

ANNEX

4

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Adulpravitchai, A.:

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Deviations from tri-bimaximal mixing.

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Lindner, M.:

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Schönert, S.:

Neutrinoless double beta decay.

Athens, Greece, 4th Intern. Workshop on Very Large Volume Neutrino Telescopes (13.10.2009)

Hofmann, W.:

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Keitel, C. H.:

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Bauer, D.:

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- Rodejohann, W.:**
Non-unitary lepton mixing, leptogenesis and low energy CP violation.
- Schwetz-Mangold, T.:**
Working Group convener.
- Como, Italy, Accretion and Ejection in AGN: A global view (22.06.-26.06.2009)
- Volpe, F.:**
Overview of the recent AGN observations with H.E.S.S.
- Como, Italy, Plasmas in the Laboratory and in the Universe (01.12.-04.12.2009)
- Aharonian, F. A.:**
Relativistic plasmas in the Universe.
- Daresbury, UK, Workshop on Advanced QED Methods for Future Accelerators (03.03.-04.03.2009)
- Di Piazza, A.:**
Vacuum polarization effects in intense laser fields.
- Hatsagortsyan, K. Z.:**
Lepton pair creation in strong laser fields.
- Darmstadt, Germany, GSI, International Summer Student Program (03.09.-25.09.2009)
- Litvinov, Y.:**
Nuclear Astrophysics at the ESR.
- Darmstadt, Germany, NUSTAR Annual Meeting, GSI (25.03.-27.03.2009)
- Pálffy, A.:**
Resonant nuclear excitation via coupling to the atomic shell.
- Delphi, Greece, ICO Photonics (07.10.-09.10.2009)
- Keitel, C. H.:**
Ultra-intense laser pulses: From vacuum refractivity to nuclear quantum control.
- Denver, CO, USA, April Meeting of the American Physical Society (02.05.-05.05.2009)
- Litvinov, Y.:**
Non-Exponential Decay in Electron Capture of Heavy Ions.
- Djurönäset, Sweden, International Workshop on the Interrelationship between Plasma Experiments in Laboratory and Space (IPELS) (08.06.-12.06.2009)
- Kempf, S.:**
Dust in Planetary Ring Systems.
- Dresden, Germany, International Workshop on Atomic Physics (ATOM2009) (23.11.-27.11.2009)
- Moshhammer, R.:**
Atoms and molecules in intense XUV laser pulses.
- Sansone, G.:**
Ultra-fast dynamics in finite atomic and molecular systems probed with novel light sources.
- Dresden, Germany, Key Experiments with X-ray Pulses from the Perspective of Theory, MOLX09 (10.09.-12.09.2009)
- Wolf, A.:**
X-Ray Ionization and Fragmentation of Small Water Cluster Ions
- Dorn, A.:**
FEL studies on a magneto-optically trapped lithium target.
- Rudenko, A.:**
Multiphoton reactions in atoms, pump-probe experiments on clusters.
- Moshhammer, R.:**
Break-up of molecules and pump-probe experiments.
- Pfeifer, T.:**
Time-resolved x-ray science: Attosecond interferometry and shaped-field control of atoms, molecules, and electrons.
- Ullrich, J.:**
Key experiments with X-ray pulses.
- Dublin, Ireland, 3rd Workshop on the physics at EBITs and advanced research light sources (PEARL 2009) (06.05-09.05.2009)
- Moshhammer, R.:**
Fragmentation of atoms and molecules in strong IR laser fields.
- Crespo López-Urrutia, J.:**
Photon-ion interactions studied with electron beam ion traps.
- Ullrich, J.:**
New frontiers in atomic, molecular and optical physics at VUV and X-ray Free Electron Lasers.
- Erice, Italy, 31st International School of Nuclear Physics (16.09.-24.09.2009)
- Lindner, M.:**
Neutrinos in Cosmology, in Astro, in Particle and in Nuclear Physics.
- Rodejohann, W.:**
Scaling in the neutrino mass matrix and the see-saw mechanism.
- Fortaleza, Brazil, The Universe and General Relativity (26.05-29.05.2009)
- Aharonian, F. A.:**
Exploring Nature's Extreme Accelerators with VHE Gamma Rays, Neutrinos and Hard X-rays.

- Gdansk, Poland, 41st EGAS (European Group on Atomic Systems) conference (08.07.-11.07.2009)
Rudenko, A.:
Few-electron dynamics in intense short XUV pulses.
- Geneva, Switzerland, CERN, 2nd LHCb Workshop on Multi Variate Analysis (10.07.2009)
Schmelling, M.:
Basics of Multi Variate Analysis in High Energy Physics.
Gagunashvili, N. D.:
Under- and Oversampling Techniques.
Selecting Optimal Sets of Variables.
- Geneva, Switzerland, CERN, ENTAPP Dark Matter workshop 2009 (02.02.-06.02.2009)
Schwetz-Mangold, T.:
DAMA/LIBRA claim and WIMP properties.
- Geneva, Switzerland, CERN, International Conference on Particle Physics and Cosmology (07.09.-11.09.2009)
Bezrukov, F.:
Inflation and the Higgs boson.
Schwetz-Mangold, T.:
DAMA/LIBRA and leptonicly interacting Dark Matter.
- Geneva, Switzerland, CERN, Workshop on Soft Diffractive Physics at LHCb (26.06.2009)
Schmelling, M.:
Prospects for Forward Physics with LHCb.
- Geneva, Switzerland, CERN, Workshop on the European Strategy for Future Neutrino Physics (01.10.-03.10.2009)
Schwetz-Mangold, T.:
Neutrino Phenomenology.
- Hamburg, Germany, DPG Frühjahrstagung (02.03.-06.03.2009)
Bauer, D.:
Atoms and Clusters in Intense Laser Fields. (main talk)
Dorn, A.:
Controlling double photoionization in lithium. (Hauptvortrag)
Fischer, D.:
Dynamik des Elektroneneinfangs in Stößen von hochgeladenen Ionen mit Atomen.
Beilmann, C.:
Trielectronic Recombination with K-shell excitation.
Elisseev, S.:
PENTATRAP: A precision Penning trap mass spectrometer for highly-charged ions.
- Hamburg, Germany, DPG Frühjahrstagung, Symposium: Ultra-fast Dynamics in FEL Light Pulses (02.03.-06.03.2009)
Rudenko, A.:
Atoms and molecules in intense FEL radiation.
Epp, S. W.:
Spectroscopy of highly charged ions with Free Electron Lasers.
- Hamburg, Germany, HASYLAB Users' Meeting "Research with Synchrotron Radiation and FELs", (30.01.2009)
Ullrich, J.:
New frontiers in atomic, molecular and optical physics with Free Electron Lasers.
Crespo López-Urrutia, J.:
Soft X-ray laser spectroscopy at FLASH.
- Hamburg, Germany, Photon 2009 (11.05.-15.05.2009)
van Eldik, C.:
Very-High-Energy Gamma-Ray Astronomy.
- Heidelberg, Germany, Conference on Neutrinos and Dark Matter in Particle, Astroparticle and Nuclear Physics (LAUNCH09) (09.11.-12.11.2009)
Blaum, K.:
Contributions to Neutrino Physics with Penning Traps.
Buck, C.:
The Double Chooz reactor neutrino experiment.
Merle, A.:
The GSI anomaly: Theoretical interpretations.
Schwetz-Mangold, T.:
Dark Matter: Evidences, Phenomenology, and Theoretical Implications.
- Heidelberg, Germany, Heidelberg Astronomers' Convention (02.10.2009)
Casanova, S.:
The origin of cosmic rays and the gamma ray emission from the Galaxy.
- Heidelberg, Germany, High-Energy Gamma-rays and Neutrinos from Extra-Galactic Sources (13.01.-16.01.2009)
Kirk, J. G.:
Acceleration and radiation in Poynting flux dominated jets.
Taylor, A.:
The CR Connection(s): UHE Neutrinos and Photons from UHECR Sources.
Domainko, W.:
New results from H.E.S.S. observations of galaxy clusters.
- Heidelberg, Germany, ISAPP Summer Institute 2009 at KIT (30.07.2009)
Buck, C.:
The Double Chooz reactor neutrino experiment.
- Heidelberg, Germany, Meetings of the SFB/Transregio 27 - Neutrinos and Beyond (09.07-10.07.2009)
Aberle, C.:
Optical Properties of the Double Chooz scintillators.
Adulpravitchai, A.:
Confronting Flavour Symmetries and Extended Scalar Sectors with Lepton Flavour Violation Phenomenology.
Akhmedov, E.:
Neutrino Oscillations from Quantum Field Theory.
Merle, A.:
Why the GSI Anomaly cannot be explained by Quantum Beats.
Eliseev, S.:
Neutrino Physics with Penning Traps at MPIK.
- Hirschberg, Germany, Low Energy, Low Intensity Beam Profile Measurements (24.11.-25.11.2009)
Harasimowicz, J.:
Diagnostics for the USR; low current BPMs.
Putignano, M.:
Design and performance of a ionization beam profile monitor based on a gasjet curtain for applications on low energy accelerator systems.
Welsch, C. P.:
FLAIR – A facility for low-energy antiproton and ion research.
- Hirschberg-Großsachsen, Germany, DITANET Low Current, Low Energy Beam Diagnostics Workshop (23.11.-25.11.2009)
Grieser, M.:
Diagnostics at CSR and TSR.
von Hahn, R.:
Overview of the CSR.
Laux, F.:
Low Current Beam Position Monitors for the Cryogenic Storage Ring.
- Ischia, Italy, Ultra-Fast Dynamic Imaging of Matter II (30.04.-03.05.2009)
Ullrich, J.:

- Attosecond steering of electronic motion in atoms and molecules via ~6 fs phase stabilized pulses.*
- Isola d'Elba, Italy, Forward Physics at LHC (27.05.-29.05.2010)
Schmelling, M.:
Forward Physics at LHCb.
- Istanbul, Turkey, 5th Workshop on Shape-Phase Transitions and Critical Point Phenomena in Nuclei (16.09.-18.09.2009)
Blaum, K.:
Masses and Structure: Limits and Perspectives.
- Jaen, Spain, High Energy Phenomena in Massive Stars (02.02.-05.02.2009)
Ohm, S.:
H.E.S.S. observations of massive stellar clusters.
Bosch-Ramon, V.:
Non-thermal emission in microquasars hosting massive stars.
- Jyväskylä, Finland, Jyväskylä Summer School (10.08.-14.08.2009)
Blaum, K.:
Basics of the determination of nuclear ground state properties.
Cooling and detection of charged particles.
High-resolution laser spectroscopy experiments.
High-precision mass measurements.
- Kalamazoo, MI, USA, XXVI International Conference on Photonic, Electronic and Atomic Collisions, ICPEAC (22.07.-28.07.2009)
Wolf, A.:
Atomic and Molecular Collisions with Ultra-Cold Electron and Ion Beams.
Pálffy, A.:
Resonant nuclear excitation via coupling to the atomic shell.
Dorn, A.:
Electron collisions with atoms and molecules.
Fischer, B.:
Electron localization in fragmentation of H₂ with CEP stabilized laser pulses.
Schröter, C. D.:
Atomic and molecular dynamics in intense FEL radiation.
Simon, M.:
Photoionization of ions in arbitrary charge states by synchrotron radiation in an Electron Beam Ion Trap.
- Kreuth, Germany, Schloss Ringberg, International Coincidence Workshop (09.12.-12.12.2009)
Dorn, A.:
Coincidence experiments using electrons and positrons.
Moshammer, R.:
Fragmentation dynamics in intense laser fields.
- Kyoto, Japan, 2nd International Symposium on Laser-Driven Relativistic Plasmas Applied to Science, Industry and Medicine (19.01.-23.01.2009)
Harman, Z.:
Direct high-power laser acceleration of ions for medical applications.
- Lexington, USA, International Symposium on (e, 2e), Double Photoionization and Related Topics (31.07.-01.08.2009)
Kremer, M.:
Electron localization in molecular fragmentation with CEP stabilized laser pulses.
Jiang, Y.:
Ultra-fast dynamics in atoms and molecules driven by free electron laser radiation.
Ren, X.:
- Three-dimensional cross sections: (e,2e) on atoms and molecules.*
- Lisbon, Portugal, 5th SPARC Collaboration Symposium (01.09.-04.09.2009)
Hetzheim, H.:
Ionization dynamics in laser-driven hydrogen-like ions.
Pálffy, A.:
Nuclear effects in atomic transitions. (review talk)
Wolf, A.:
Precision Electron Collision Spectroscopy of Highly Charged Ions.
Winckler, N.:
Observation of non-exponential orbital electron capture decays of hydrogen-like ¹⁴⁰Pr, ¹⁴²Pm and ¹²²I ions.
- London, UK, Kolloquium am Imperial College (13.05.2009)
Lindner, M.:
Neutrinos as probes of new physics.
- Luxor, Egypt, BUE, CTP International Conference on Neutrino Physics in the LHC era (15.11.-19.11.2009)
Akhmedov, E.:
Moessbauer Experiments with Neutrinos and Neutrino Oscillations.
Lindner, M.:
SUSY now or never.
Rodejohann, W.:
Tri-bimaximal mixing: deviations and alternatives.
- Madrid, Spain, XVII International Workshop on Deep-Inelastic Scattering and Related Subjects (27.04.2009)
Britsch, M.:
First measurements with the LHCb experiment.
- Manhattan, KS, USA, 2nd International Conference on Attosecond Physics (Atto-2009) (28.07.-01.8.2009)
Fischer, B.:
Electron localization in fragmentation of H₂ with CEP stabilized laser pulses.
Ullrich, J.:
Brilliant FEL light: New frontiers in AMO physics (overview).
Hatsagortsyan, K. Z.:
High-order harmonic and short pulse generation in the relativistic regimes.
- Marciana Marina, Isola d'Elba, Italy, International Workshop Pulsars in their Diversity (15.06.2009)
Kirk, J. G.:
Theory of pulsar winds and nebulae.
- Matsushima, Japan, International Workshop on Electronic Spectroscopy for Gas-phase Molecules and Solid Surfaces (IWES2009) (12.10.-15.10.2009)
Ullrich, J.:
Molecular dynamics in the light of next generation sources.
- Melbourne, Australia, Australian Astron. Soc. Annual Meeting (05.07.-08.07.2009)
Aharonian, F. A.:
Gamma-ray/X-ray astrophysics and future directions.
- Menlo Park, CA, USA, SLAC, SSRL/LCLS Users' Meeting (18.10.-21.10.2009)
Crespo López-Urrutia, J.:
Electron Beam Ion Trap end station.
- Milano, Italy, 6th AGILE Workshop (22.05.-23.05.2009)
Casanova, S.:
Molecular Clouds as Cosmic ray Barometers.
- Montréal, Canada, Quantum Dynamic Imaging Workshop (19.10.-23.10.2009)

- Keitel, C. H.:**
Time-dependent quantum relativistic phenomena at high intensity.
- Moscow, Russia, 14th Lomonosov Conference on Elementary Particle Physics (19.08.-25.08.2009)
Förster, A.:
The Gamma-Ray Sky Seen with H.E.S.S.
- Moscow, Russia, 2nd EMMI Workshop on Plasma Physics with Intense Laser and Heavy Ion Beams, JIHT, (14.05.-15.05.2009)
Hatsagortsyan, K. Z.:
High-energy processes in super-strong laser fields.
- Moscow, Russia, Conference in Honour of Yu. Gaponov's 75th birthday (14.10.-15.10.2009)
Akhmedov, E.:
Neutrinos on Earth and in the Heavens.
- München, Germany, 1st MPG-RIKEN/ASI Bilateral Conference on Interdisciplinary Cooperation (21.01.-23.01.2009)
Ullrich, J.:
Science at XFELs.
- München, Germany, DPG Tagung (09.03.-13.03.2009)
Schmelling, M.:
Ergebnisse und Perspektiven der Flavour Physik.
Aberle, Ch.:
Eigenschaften der Double Chooz Szintillatoren.
Adulpravitchai, A.:
A Supersymmetric D4 Model for mu-tau Symmetry.
Buck, C.:
Das Reaktor-neutrinoexperiment Double Chooz.
Maneschg, W.:
¹¹C analysis and muon tracking in Borexino for solar pep and CNO neutrino spectroscopy.
Zuzel, G.:
Radon emanation of the GERDA inner detector.
- New London, NH, USA, Gordon Research Conference 2009 (Nuclear Chemistry) Colby Sawyer College (21.06.-26.06.2009)
Litvinov, Y.:
Non-Exponential Decay in Electron Capture of Heavy Ions.
- New York, USA, GALEX Guest Investigator Workshop (13.11.2009)
Tuffs, R. T.:
GALEX and the Galaxy and Mass Assembly Survey (GAMA).
- Nijmegen, Netherlands, 3rd International Summer School on Astroparticle Physics (Nijmegen 09) (19.08.-28.08.2009)
Rodejohann, W.:
Neutrino mass, lepton mixing and the see-saw mechanism.
- Nizhny Novgorod, Russia, Russian-French-German Laser Symposium (17.05.-22.05.2009)
Evers, J.:
Effects of density and chirality on light propagation through coherently prepared media.
- Norfolk, Virginia, USA, 21st International Symposium on Ion-Atom Collisions (XXI ISIAC) (17.07.-20.07.2009)
Fischer, D.:
Dynamics of charge transfer in ion-atom collisions.
Voitkiv, A.:
Electron-electron interaction and transfer-ionization in fast ion-atom collisions.
- Obergurgl, Austria, Winter School of the Heidelberg Graduate School of Fundamental Physics (06.01.-11.01.2009)
Evers, J.:
Quantum optics in collective systems. (2 x 90 min.)
- Otaru, Japan, The Energetic Cosmos: from Suzaku to ASTRO-H (02.07.2009)
de Ona Wilhelmi, E.:
Latest results on Galactic Sources with Gamma-ray detectors.
- Paris, France, 10th Workshop on Non-Perturbative Quantum Chromodynamics (08.06.-12.06.2009)
Di Piazza, A.:
Refractive QED Effects in Strong Laser Fields.
Ruf, M.:
Lepton pair creation in intense laser fields.
- Paris, France, APC, Workshop on Frontiers in Theoretical Neutrino Physics (15.03.-18.03.2009)
Lindner, M.:
Theoretical Interpretations of Precision Neutrino Measurements.
- Paris, France, Extreme Light Infrastructure (ELI) Grand Challenges Meeting (27.04.-28.04.2009)
Rudenko, A.:
Perspectives for multidimensional imaging of ultrafast few-particle reactions.
- Paris, France, Groupe de Recherche Neutrino plenary meeting (27.04.-28.04.2009)
Schwetz-Mangold, T.:
Present status of neutrino physics.
- Paris, France, Invisible Universe International Conference, UNESCO (29.06.-03.07.2009)
Bezrukov, F.:
Inflation in the Standard Model and ν MSM with non-minimal coupling to gravity.
- Paris, France, Tango (04.05.-06.05.2009)
Egberts, K.:
The Cosmic-Ray Electron Spectrum Measured with H.E.S.S.
- Paris, Frankreich, 12th Marcel Grossmann Meeting (13.07.2009)
Aharonian, F. A.:
Gamma Ray Astrophysics.
Kirk, J. G.:
Particle Acceleration and Radiation at Relativistic Shocks.
- Piaski, Poland, 31st Mazurian Lakes Conference on Physics "Nuclear Physics and the Road to FAIR" (30.08.-06.09.2009)
Litvinov, Y.:
Direct Mass Measurements in Storage Rings.
- Pittsburgh, USA, APS March Meeting (16.03.-20.03.2009)
Jochim, S.:
Few-body physics in a three-component degenerate Fermi gas.
- Pohang, Korea, Shock Waves, Turbulence and Particle Acceleration (18.11.2009)
Kirk, J. G.:
Radiative Signatures of Relativistic Shocks.
Reville, B.:
Particle Acceleration and Turbulence Generation at Collisionless Shocks.
- Postdam, Germany, EPSC 2009 (13.09.-18.09.2009)
Kempf, S.:
Long-term evolution of Saturn's E ring particles.

- Poznan, Poland, VIII International Workshop on Application of Lasers in Atomic Nuclei Research (22.06.-25.06.2009)
Blaum, K.:
High-precision Penning trap experiments for fundamental studies.
Yordanov, D.:
Laser Spectroscopy in the Island of Inversion: Past and Future.
- Prerow, Germany, Workshop "Dense QCD Phases in Heavy Ion Collisions and Supernovae" (11.10.-13.10.2009)
Jochim, S.:
Few-body physics in a three-component degenerate Fermi gas.
- Reims, France, Neutrino Champagne, LowNu2009 (19.10 - 21.10.2009)
Buck, C.:
New experimental developments: scintillators.
Lindner, M.:
Interpretations of precision neutrino measurements.
Schönert, S.:
Neutrinoless double beta decay.
- Riezlern, Austria, 30. Arbeitstagung Energiereiche Atomare Stöße (08.02.-13.02.2009)
Fischer, B.:
Electron wave packet interferences in ultrashort laser pulses.
Kremer, M.:
Fragmentation von H₂-Molekülen in ultrakurzen, phasenstabilisierten Laserpulsen.
Ullrich, J.:
Sequential and non-sequential ionisation in the VUV regime at FLASH.
- Riezlern, Austria, Workshop of Accelerator and Plasma Physics (08.03.-14.03.2009)
von Hahn, R.:
The Heidelberg Cryogenic Storage Ring and its Test Facility CTF.
- Riyadh, Saudi Arabia, KACST 2nd Symposium on Quantum Optics and Informatics (14.03.-16.03.2009)
Evers, J.:
Coherent control of flux qubits.
- Rome, Italy, RICAP09 (13.05.-15.05.2009)
Egberts, K.:
The Cosmic-Ray Electron Spectrum Measured with H.E.S.S.
Förster, A.:
The Gamma-Ray Sky Seen with H.E.S.S.
- Rome, Italy, The eleventh international conference on Topics in Astroparticle and Underground Physics, TAUP2009 (01.07.-05.07.2009)
Raue, M.:
M 87 and Cen A: laboratories for VHE physics of jets and near supermassive black holes.
- Rome, Italy, Workshop "Efimov States in molecules and nuclei: Theoretical methods and new experiments" (19.10.-21.10. 2009)
Jochim, S.:
Universal trimer states in a three-component Fermi gas.
- Rome, Italy, XIth International Conference on Topics in Astroparticle and Underground Physics (TAUP 2009) (01.07.-05.07.2009)
Akhmedov, E.:
Moessbauer Effect with Neutrinos and Neutrino Oscillations.
- San Diego, USA, SPIE Optics + Photonics (02.08.-06.08.2009)
Förster, A.:
Mirror Development for CTA.
- San Francisco, USA AGU 2009 (14.12.-18.12.2009)
Kempf, S.:
Long-term evolution of Saturn's E ring particles.
- Sant Benet, Spain, Workshop "Quantum Gauge Theories and Ultracold Atoms" (01.09.-04.09.2009)
Jochim, S.:
A three-component gas of ultracold fermions.
- Sant Feliu, Spain, Bose-Einstein Condensation 2009 (BEC 2009) (05.09.-11.09.2009)
Jochim, S.:
Universal trimer states in a three-component Fermi gas.
- Santa Barbara, USA, Nonlinear Processes in Astrophysical Plasmas (28.09.2009)
Kirk, J. G.:
Radiative Signatures of Relativistic Shocks.
de Ona Wilhelmi, E.:
The Extension of the H.E.S.S. Galactic Plane Survey.
Reville, B.:
Magnetic Field Amplification and Particle Transport in Collisionless Shocks.
- Santiago de Chile, Chile, VIII Latin American Symposium on Nuclear Physics and Applications (15.12.-19.12.2009)
Blaum, K.:
Precision mass measurements for physics beyond the Standard Model.
- Schleching, Arbeitstreffen Kernphysik (26.02.-05.03.2009)
Lindner, M.:
Neutrinos: Standard and Non-Standard Interpretations.
- Shanghai, China, Galactic Center Workshop (19.10.-23.10.2009)
van Eldik, C.:
The H.E.S.S. View of the Galactic Centre Region.
- Smithfield, RI, USA, Gordon Research Conference 2009 (Nuclear Physics) Bryant University (12.07.-17.07.2009)
Litvinov, Y.:
Non-Exponential Decay in Electron Capture of Heavy Ions.
- Sochi, Russian Federation, International Symposium on Exotic Nuclei EXON-2009 (28.09.-02.10.2009)
Litvinov, Y.:
Beta-Decay of Highly-Charged Ions.
- Sofia, Bulgaria, 36th EPS Conference on Plasma Physics (29.06.2009)
Kirk, J. G.:
Prolific Pair Production with Next Generation Lasers.
- Stanford, CA, USA, 1st AMO Meeting (12.03.-13.03.2009)
Epp, S. W.:
Status, layout, and capabilities of the CAMP chamber.
- Stanford, CA, USA, 2009 SSRL/LCLS Users' Meeting and Workshop on LCLS Beam Line for Soft X-Ray Science (19.10.-23.10.2009)
Ullrich, J.:
Electron beam ion trap (EBIT) end station.
Beilmann, C.:
HI-light - highly charged ions in the ultra-brilliant light of the LCLS.
- Stanford, USA, TeV Particle Astrophysics 2009 (13.07.-17.07.2009)
Hofmann, W.:
News from the VHE gamma-ray observatories: status

- and galactic sources.*
van Eldik, C.:
Cosmic Ray Electrons and Galactic Centre Observations with H.E.S.S.
- Stockholm, Sweden, NORDITA program Astroparticle Physics - A Pathfinder to New Physics (13.04.-18.04.2009)
Schwetz-Mangold, T.:
Can the DAMA annual modulation be explained by Dark Matter?
- Strasbourg, France, French Neutrino Community Meeting (GDR-2009) (28.10-29.10.2009)
Akhmedov, E.:
Moessbauer Experiments with Neutrinos and Neutrino Oscillations.
- Tokyo, Japan, Joint Gamma-ray Mission Meeting (10.03.-11.03.2009)
Aharonian, F. A.:
Probing Cosmic PeVatrons with hard X-rays and low-energy gamma rays.
- Torino, Italy, Euro Science Open Forum (ESOF) (02.07.-07.07.2010)
Welsch, C. P.:
Ions, light and antimatter: Various roads into the quantum world.
- Trento, Italy, ECT workshop on "The lead radius experiment and neutron rich matter in astrophysics and in the laboratory" (03.07.-07.07.2009)
Blaum, K.:
Precision measurements of nuclear ground state properties for nuclear structure studies.
- Trento, Italy, ECT workshop on Atomic Effects in Nuclear Excitations and Decay (15.06.-19.06.2009)
Litvinov, Y.:
Orbital Electron-Capture Rates from Few-Electron Ions.
Pálffy, A.:
Nuclear excitation by electron capture in storage rings.
Crespo López-Urrutia, J.:
Nuclear excitations in highly charged ions through electronic transitions.
- Trieste, Italy, International Workshop on the Science with and the Instrumentation for Small Quantum Systems at the European XFEL" 2009 and "1st IRUVX-PP Annual Meeting" (11.03.2009)
Crespo López-Urrutia, J.:
Laser spectroscopy of highly charged ions using soft x-ray FEL radiation.
- Trieste, Italy, Workshop Towards Neutrino Technologies (13.07-17.07.2009)
Akhmedov, E.:
Moessbauer Effect with Neutrinos and Neutrino Oscillations.
Lindner, M.:
Towards Neutrino Technologies.
- Trondheim, Norway, SOCoR Workshop (15.06.-18.06.2009)
Taylor, A.:
UHECRs- Knowns and Unknowns.
- Tübingen, Germany, Graduate Day (24.04.2009)
Merle, A.:
Theoretical analysis of the GSI anomaly.
- Tübingen, Germany, Graduiertentag Basel-Graz-Tübingen on "Hadronen im Vakuum, in Kernen und Sternen" (24.04.2009)
Litvinov, Y.:
Experimental Status of the GSI Oscillations.
- Ustron, Poland, Matter to the Deepest: Recent Developments in Physics of Fundamental Interactions (USTRON'09) (13.09.-16.09.2009)
Schwetz-Mangold, T.:
Can the DAMA/LIBRA annual modulation signal be explained by Dark Matter?
- Veldhoven, Netherlands, Physics @ FOM (21.01.-23.01.2009)
Ullrich, J.:
Reaction microscopes: The 'cloud chambers' of atomic and molecular physics.
- Venice, Italy, HIAT09 (08.06-12.06.2009)
Grieser, M.:
Acceleration, Deceleration and Bunching of Stored Cooled Ion Beams at the TSR, Heidelberg.
von Hahn, R.:
Status of the Cryogenic Storage Ring CSR.
- Venice, Italy, XIII International Workshop on Neutrino Telescopes (10.03.-13.03.2009)
Lindner, M.:
Standard and Non-Standard Interpretations.
- Waikoloa, USA Int. Workshop on Double Beta Decay and Related Neutrino Measurements, DBD09 (11.10.-13.10.2009)
Knöpfle, K.T.:
Status and progress of GERDA.
- Waikoloa, USA, 3rd Joint meeting of the Nuclear Physics Divisions of the APS and JPS, HAW09 (13.10.-17.10.2009)
Knöpfle, K.T.:
Status and progress of GERDA.
- Washington D.C., USA: American Chemical Society Meeting (16.08.2009)
Simgen, H.:
Direct measurement of the 7Be solar neutrino flux at Borexino in session: The Chemistry and Physics of Neutrino Experiments.
- Würzburg, Germany, Neutrino masses and lepton flavor violation at the LHC (24.11.-25.11.2009)
Rodejohann, W.:
Simple ratios of LFV charged lepton decays in see-saw scenarios.
- Yerevan, Armenia, International Advanced Research Workshop "Modern Problems in Optics and Photonics" (27.08-02.09.2009)
Evers, J.:
Light propagation: From atomic to nuclear quantum optics.
Hatsagortsyan, K. Z.:
High-order harmonic generation in relativistic regimes in super-strong laser fields.
Macovei, M.:
Entangled light and matter waves via nonlinear interactions.
- Zion National Park, USA, SILAP (2009) Workshop on Super Intense Laser-Atom Physics (21.09.-23.09.2009)
Bauer, D.:
Laser-Generated Relativistic Attosecond Electron Bunches.
Harman, Z.:
High-power optical acceleration of ions for medical applications.
Hatsagortsyan, K. Z.:
Relativistic quantum dynamics in strong laser fields.
Müller, C.:
High-energy processes in very intense laser fields.
Moshhammer, R.:

Fragmentation of atoms and molecules in CE-phase stabilized laser pulses.

At Other Institutes 2009

Aharonian, F. A.:

Exploring the Universe with Very High Energy Gamma Rays.

Barcelona, Spain, opening talk at the inauguration of the Institut de Ciències del Cosmos, University of Barcelona (04.12.2009)

Akhmedov, E.:

Moessbauer Experiments with Neutrinos and Neutrino Oscillations.

Naples, Italy, Università di Napoli (04.12.2009) and Paris, France, LPTH Jussieu (25.06.2009) and Saclay, France, CEA IPHT (24.06.2009)

Bauer, D.:

Matter in intense laser fields: from the single active electron via correlation to collectivity.

Halle, Germany, MLU (Martin Luther University Halle-Wittenberg), seminar on Nonequilibrium Many-Body Systems (11.05.2009) and Jena, Germany, Friedrich Schiller University of Jena, IOQ, seminar talk (13.02.2009)

Atoms and clusters in strong laser pulses: from the single active electron via correlation to collectivity.

Düsseldorf, Germany, Heinrich Heine University Düsseldorf (22.01.2009)

Blaum, K.:

Präzisionsexperimente an gespeicherten und gekühlten Ionen in Penning-Fallen.

Physikalisches Kolloquium, Universität Erlangen, Germany (19.01.2009) and Seminar, Kirchhoff-Institut, Universität Heidelberg, Germany (31.01.2009) and Physikalisches Institut, Technische Universität Dresden, Germany (12.05.2009)

High-accuracy Penning trap mass measurements on exotic ions for fundamental studies.

The Royal Swedish Academy of Sciences Chalmers, Göteborg, Sweden (17.02.2009)

High-accuracy Penning trap mass measurements on exotic ions for fundamental studies.

AlbaNova, University Physics Center, Stockholm, Sweden (19.02.2009)

Precision Penning trap experiments with cooled and stored ions.

Institut für Experimentalphysik, Universität Innsbruck, Austria (24.03.2009)

Präzisionsexperimente an gespeicherten und gekühlten exotischen Ionen in Penning-Fallen.

Universität Münster, Germany (30.04.2009) and Max-Planck-Institut für Plasmaphysik, Greifswald, Germany (06.11.2009)

Geladene in Haft: spannende Experimente in Ionenfallen.

Schülerinnen- und Schülertag, Universität Heidelberg, Germany (16.05.2009)

Atome auf die Waage gelegt.

Explore Science, Klaus-Tschira-Stiftung, Mannheim, Germany (14.06.2009)

Gewichtsprobleme physikalischer Art – Atome auf die Waage gestellt

Georg-Forster-Gesamtschule, Wörrstadt, Germany, im Rahmen der MPG-Hauptversammlung (18.06.2009) and Emanuel-Felke-Gymnasium, Bad Sobernheim, Germany, im Rahmen der MPG-Hauptversammlung (18.06.2009)
Geladene in Haft - Präzisionsexperimente mit ges-

peicherten Ionen

Gesprächskreis Rhein-Neckar, Kirchhoff-Institut, Universität Heidelberg, Germany (09.07.2009)

Atome auf die Waage gelegt – Gewichtsprobleme physikalischer Art.

Schulvortrag am CERN, Genf, Switzerland (24.07.2009)

Precision Penning trap mass measurements for nuclear and astrophysical studies.

Universität Basel, Switzerland (29.10.2009)

High-precision Penning trap experiments with stored and cooled exotic ions.

Universität Wuppertal, Germany (09.11.2009)

Bosch Ramon, V.:

Non-thermal phenomena in high-mass microquasars.

Heidelberg, Germany, Landessternwarte (06.05.2009)

La física de la aceleración de partículas en objetos estelares jóvenes masivos.

Instituto Villa Elisa, Argentina, Argentino de Radio-astromía, (15.07.2009)

Emisión no térmica de pares en binarias masivas de rayos gamma.

La Plata, Argentina, UNLP, Facultad de Ciencias Astronómicas y Geofísicas (15.09.2009)

Galactic non-thermal emission and massive stars.

Barcelona, Spain, Instituto de Ciències del Cosmos, (04.10.2009)

Non-thermal emission from Galactic sources harboring massive stars.

Valencia, Spain, Universitat de Valencia (08.10.2009)

Emisión no térmica en estrellas masivas en formación.

La Plata, Argentina, UNLP, Jornadas sobre formación estelar, Facultad de Ciencias Astronómicas y Geofísicas (16.11.2009)

Buhr, H.:

Hot Water in a Cool Place - Dissociative Recombination of D_3O^+ .

IAMP, JLU Gießen, Germany (29.10.2009)

Crespo López-Urrutia, J.:

Photoionization of trapped highly charged ions using synchrotron radiation.

Gießen, Germany, Universität Gießen (02.07.2009)

Highly charged ions: Producing hot astrophysical matter in traps.

Aarhus, Denmark, University of Aarhus, Dept. Atomic Physics (06.07.2009)

Photonic interactions of highly charged ions with synchrotron and FEL radiation.

East Lansing, Michigan State University, NSCL (23.10.2009)

de Ona Wilhelmi, E.:

On the Nature of the H.E.S.S. Dark Sources.

Paris, France, Ecole Polytechnique France (02.02.2009)

Di Piazza, A.:

Testing strong-field QED and QED with intense laser fields.

Glasgow, Scotland, UK, Department of Physics of the Strathclyde University, (24.09.2009) and

Didcot, England, UK, Rutherford Appleton Laboratory (21.09.2009) and

Jena, Germany, Friedrich Schiller University of Jena, Institute of Theoretical Physics (23.07.2009)

Domainko, W.:

The H.E.S.S. experiment – a window to the extreme universe.

Innsbruck, Austria, Universität Innsbruck (18.08.2009)

Egberts, K.:

The cosmic-ray electron spectrum measured with

- H.E.S.S.**
Innsbruck, Austria, Seminar Universität Innsbruck (25.05.2009)
The energy spectrum of cosmic-ray electrons at TeV energies.
Aachen, Germany, Seminar RWTH Aachen (21.07.2009)
- Evers, J.:**
Licht und Wellen.
Mannheim, Germany, Explore Science, Naturwissenschaftliche Erlebnistage, Luisenpark Mannheim (17.06.2009),
Coherent control of quantum dynamics.
Erlangen, Germany, Naturwissenschaftliche Fakultät, Universität Erlangen-Nürnberg, seminar talk (02.02.2009)
- Fischer, D.:**
Momentum spectroscopy in ion-storage rings - from atomic and molecular collision dynamics to precision spectroscopy on highly charged ions.
Groningen, Netherlands, KVI-Kolloquium (07.04.2009)
- Froese, M.:**
Cryogenic cooling and delayed emission of aluminum canion clusters.
Weizmann Institute, Rehovot, Israel (05.08.2009)
- Harman, Z.:**
Resonant processes in highly charged ions.
Giessen, Germany, Justus Liebig University Giessen, seminar on atom physics (10.12.2009)
- Hatsagortsyan, K. Z.:**
Relativistic multiphoton dynamics in super-strong laser fields: from above-threshold ionization to pair production.
Trieste, Italy, Summer College on Plasma Physics, ICTP, tutorial (17.08.-21.08.2009)
- Hofmann, W.:**
Blaue Blitze aus dem Kosmos – auf der Jagd nach kosmischen Teilchenbeschleunigern.
München, Germany, Deutsches Museum, Vorträge für jedermann (04.02.2009)
The Galaxy in a new light: high energy gamma ray astronomy with H.E.S.S. Hamburg, Germany, DESY, Seminar (10.02.2009)
Blaue Blitze aus dem Kosmos – auf der Jagd nach kosmischen Teilchenbeschleunigern.
Augsburg, Germany, Universität Augsburg, MNU-Tag (01.10.2009)
- Jochim, S.:**
Experiments with ultracold fermions.
Karlsruhe, Germany, Condensed Matter Seminar, Universität (12.01.2009)
Few- and many-body physics with ultracold fermions.
Chicago, USA, JFI Physics Colloquium, The University of Chicago (20.01.2009)
Few-body physics with an ultracold gas of fermions.
Bonn, Germany, Theorieseminar, Universität (03.02.2009) and
Zürich, Switzerland, Laserseminar, ETH (08.03.2009) and
Austin, TX, USA, Ultracold gases seminar, University of Texas (14.08.2009)
Efimov physics with ultracold fermions.
Amsterdam, The Netherlands, Van der Waals-Zeeman colloquium, Universität (24.11.2009)
- Jones, D.:**
Recent efforts in understanding CR transport and diffusion: The Galactic centre.
Hamburg, Germany, DESY (18.06.2009)
- Khangulyan, D.:**
Gamma-Ray Binary Systems.
Stockholm, Sweden, Nordic Institute for Theoretical Physics (06.05.2009)
Formation of Hard Very High Energy Gamma-Ray Spectra of Blazars due to Internal Photon-Photon Absorption.
Stockholm, Sweden, Nordic Institute for Theoretical Physics (14.05.2009)
Flow and Emission Models for Different Astrophysical Objects.
Tokyo, Japan, Institute for Space and Astronautical Science (25.09.2009)
VHE Gamma-Ray Production in Binary Systems.
Tokyo, Japan, University of Tokyo (29.09.2009)
- Kirk, J. G.:**
Prolific pair production in laser beams.
Palaiseau, France, Colloquium, Ecole Polytechnique (22.06.2009) and
Sydney, Australia, University of Sydney, Colloquium, School of Physics (04.12.2009)
Pulsar Winds as Astrophysical Laboratories.
Perth, Australia, University of Western Australia, Colloquium, International Centre for Radio Astronomy Research (03.12.2009) and
Marsfield, Australia, Colloquium, Australia Telescope National Facility, (07.12.2009)
- Knöpfle, K.T.:**
Study of neutrinoless double beta decay of Ge-76 with GERDA.
Heidelberg, Germany, Universität Heidelberg, Physikalisches Institut, Pizza-Night (04.05.2009)
- Kreim, S.:**
Observation of a single proton in a Penning trap.
ISOLDE group seminar, CERN, Geneva, Switzerland (07.12.2009)
- Lindner, M.:**
Neutrinos as probes of new physics.
Manchester, UK, Colloquium (12.05.2009)
- Litvinov, Y.:**
Lebensdauermessungen an hochgeladenen Ionen.
Justus-Liebig Universität Giessen (Fachgruppe Physik FB07), Germany (09.02.2009)
Non-exponential Two-Body Beta Decay of Stored Hydrogen-Like Ions.
Joint Theory and High-Energy-Physics Seminar PNPI, Gatchina, Russia (24.09.2009)
Nuclear Physics with Stored Exotic Nuclei. I - Direct Mass Measurements.
IMP, Lanzhou, China (12.10.2009)
Nuclear Physics with Stored Exotic Nuclei. II - Decay Studies of Highly Charged Ions.
IMP, Lanzhou, China (14.10.2009)
- Lötstedt, E.:**
QED in strong laser fields.
Tokyo, Japan, Tokyo University, Yamanouchi group seminar (24.01.2009)
- Merle, A.:**
Lepton flavour and neutrino mass aspects of the Ma-model.
Southampton, U.K., Friday Seminar, University of Southampton (30.10.2009)
The GSI anomaly.
Dubna, Russia, Bogoljubov Laboratory Seminar, JINR (05.02.2009)

- Moshhammer, R.:**
Atoms and molecules in intense laser fields.
 Halle, Germany, Theorie-Kolloquium Universität Halle (28.10.2009)
Atomic collision and fragmentation dynamics.
 Lanzhou, China, lecture series, Institute of Modern Physics, Chinese Academy of Sciences (10.11.2009-13.11.2009)
Der "inneren" Uhr von Atomen und Molekülen auf der Spur: Experimente mit ultrakurzen Laserpulsen.
 Frankfurt, Germany, Physikalisches Kolloquium, Universität Frankfurt (14.01.2009)
Fragmentation of atoms and molecules in intense laser fields.
 Jena, Germany, Laserphysik-Seminar, Universität Jena (12.06.2009)
- Müller, C.:**
Relativistic multiphoton physics: How many weak photons - when acting together - can become strong.
 Giessen, Germany, Justus Liebig University Giessen, seminar on ATOMIC physics (19.11.2009)
Relativistic electron-ion recollisions in intense laser fields.
 Beijing, China, Chinese Academy of Science, Institute of Physics, seminar talk (24.10.2009) and
 Changsha, China, National University of Defense Technology, Physics Department, seminar talk (22.10.2009)
Quantum Dynamics of Electrons and Atoms in Intense Photon Fields: From Einstein's Photoelectric Effect to Modern Laser Applications in Physics and Medicine
 Changsha, China, National University of Defense Technology, Physics Department, lecture talk (21.10.2009)
Energetic electron-ion recollisions in intense laser fields.
 Darmstadt, Germany, Atomphysik-Seminar der Gesellschaft für Schwerionenforschung (GSI), seminar talk (29.04.2009)
- Natale, G.:**
Dust Emission from Stephan's Quintet.
 Granada, Spain, University of Granada (06.05.2009)
- Pálffy, A.:**
Nuclear excitation by electron capture and isomer triggering.
 Livermore, USA, Laurence Livermore National Laboratory, NIF and Photon Science Seminar (20.05.2009)
Coupling of nuclei to the atomic shell.
 Washington, USA, Naval Research Laboratory, Plasma Physics Division Seminar, (15.05.2009)
- Reville, B.:**
Particle Acceleration at Supernova Remnant Shocks.
 Sydney, Australia, School of Physics, University of Sydney (26.11.2009) and
 Perth, Australia, International Center for Radio Astronomy Research (10.12.2009)
- Rodejohann, W.:**
Tri-bimaximal mixing: deviations and alternatives.
 Beijing, China, seminar at Center for High Energy Physics (21.10.2009)
Neutrino mixing and the see-saw mechanism.
 Beijing, China, Colloquium at Institute of High Energy Physics (20.10.2009) and
 Ahmedabad, India, seminar of Physical Research Laboratory (11.01.2009)
- Rudenko, A.:**
Tracing few-particle dynamics in ultrafast laser-matter interactions.
 Vienna, Austria, Advanced Light Sources (ADLIS) Seminar, Technical University of Vienna (26.06.2009)
- Ruggenthaler, M.:**
Time-dependent density functional theory applied to laser matter interaction.
 Rostock, Germany, University of Rostock, seminar talk (13.10.2009)
- Schmelling, M.:**
Der Antimaterie auf der Spur.
 Mannheim, Germany, Explore Science, öffentlicher Vortrag (15.06.2009) and
 Bad Sobernheim, Germany, Schulvortrag (16.06.2009) and
 Worms, Germany, Schulvortrag (18.06.2009) and
 Stromberg, Germany, Schulvortrag (18.06.2009)
Statistische Methoden der Datenanalyse – Parameteranpassungen.
 Karlsruhe, Germany, Institut für Technologie (18.08.2009)
The LHCb Experiment - Precision Measurements of CP-Violation and Rare Decays.
 Akureyri, Iceland, University of Akureyri (13.10.2009) and
 Reykjavik, Iceland, University of Iceland (15.10.2009)
- Ullrich, J.:**
Ultra-fast dynamics: Pump-probe experiments from the visible to VUV and X-rays.
 Berlin, Germany, FU Berlin, Sfb 450 Seminar (20.01.2009)
Super-brilliant FELs: Neues Licht für die Wissenschaft.
 Hamburg, Germany, DESY Kuratorium (03.12.2009)
- Underwood, T.:**
From Leptogenesis to Searching for Invisible Higgs Bosons at the LHC.
 Munich, Germany, Theoretical High Energy Physics Seminar, Technical University of Munich (24.04.2009)
- Van Eldik, C.:**
The Milky Way in Very-High-Energy Gamma Rays.
 Dresden, Germany, Universität Dresden (01.2009)
- Voitkiv, A.:**
Ion-atom collisions.
 Lanzhou, China, lecture series, Institute for Modern Physics, Chinese Academy of Science (August-September 2009)
- Welsch, C.P.:**
Beam loss instrumentation developments.
 CERN, Geneva, Switzerland, CTF3 Collaboration Meeting (16.07.2009)
The USR at FLAIR.
 MSL, Stockholm, Sweden, FLAIR Collaboration Meeting (05.02.2009)
- Wolf, A.:**
Cold Chemistry with Fast Ion Beams.
 Institutskolloquium, Institut für Festkörperphysik, Universität Jena, Germany (29.05.2009)
- Yordanov, D.:**
Modern Stories on Collinear Laser Spectroscopy: On the Path to Higher Sensitivity and Higher Precision.
 Institut für Kernchemie, University of Mainz, Germany (25.05.2009)
Concepts of Laser Spectroscopy.
 CERN summer student program, ISOLDE-CERN, Geneva, Switzerland (29.07.2009)
- Zuzel, G.:**
Detection of rare physical processes.
 Krakow, Poland, seminar of the Polish Physical Society, Institute of Physics, Jagiellonian University (18.06.2009)
Standard Solar Model: metallicity of the Sun and solar neutrinos.
 Krakow, Poland, Astrophysics seminar, Institute of Physics, Jagiellonian University (25.03.2009)

At Conferences and Symposia

Aachen, Germany, Workshop Out-of-Equilibrium Quantum Fields in the Early Universe (06.09.-08.09.2010)

Hohenegger, A.:
Thermal Leptogenesis: A Nonequilibrium QFT Approach.
Kartavtsev, A.:
Resonant leptogenesis: A Nonequilibrium QFT Approach

Abha, Saudi Arabia, 5th meeting of the Saudi Physical Society (SPS5) (25.10.-27.10.2010)

Welsch, C. P.:
Low energy storage rings: Opening routes for beyond state-of-the-art research.

Adrasan, Turkey, 7th International Balkan School on Nuclear Physics (15.09.-22.09.2010)

Blaum, K.:
Precision mass spectrometric and laser spectroscopic measurements of nuclear ground-state properties for fundamental studies.

Ahmedabad, India, WHEPP XI (02.01.-12.01.2010)

Lindner, M.:
SUSY now or never.
Neutrino Masses and Mixings Now and in the Future.

Allahabad, India, International Conference NuHorizons III (08.02-10.02.2010)

Akhmedov, E.:
Neutrinos: Status and Perspectives (opening talk).

Argonne, USA, Workshop on Evolution and Control of Complexity: Key Experiments Using Sources of Hard X-rays (11.10.-13.10.2010)

Evers, J.:
Generation and detection of X-ray entanglement.
Pálffy, A.:
Quantum control of nuclei with coherent x-ray light.

Assergi, Italy, International student workshop on neutrino-less double beta decay (11.11.-13.11.2010)

Schönert, S.:
Experimental techniques in double beta decay experiments and (selection of) active background suppression methods.

Athens, Greece, 24th International Conference on Neutrino Physics and Astrophysics (Neutrino 2010) (14.06.-19.06.2010)

Barnabé-Heider, M.:
Semiconductor-based experiments for neutrinoless double beta decay search.
Resconi, E.:
High energy neutrino astronomy: IceCube.
Rodejohann, W.:
Neutrinoless double beta decay in particle physics.

Athens, Greece, European Conference on Accelerators in Applied Research and Technology (ECAART 10) (13.09.-17.09.2010)

von Hahn, R.:
The Electrostatic Cryogenic Storage Ring CSR- a new instrument for the exploration of single ions up to massive clusters.

Bad Honnef, Germany, 463. WE-Heraeus-Seminar: Ultra fast Atomic Physics – Towards the Zeptosecond Regime (19.08.-22.08.2010)

Fischer, B.:
Time resolved studies of H_2^+ dissociation with CEP-stabilized laser pulses.
Pfeifer, T.:

Beyond traditional time-resolved spectroscopy: Where to gain (and where to lose?) from using perfect coherence.

Fischer, D.:
Dynamics in ion-impact induced ionization.
Sansone, G.:
Electron dynamics probed by attosecond pulses.

Bad Honnef, Germany, 470. WE-Heraeus-Seminar: Particle Accelerators and High Intensity Lasers (13.12.-17.12.2010)

Keitel, C. H.:
Refractive QED, radiative reaction and nuclear processes with extremely intense laser pulses.
Müller, C.:
Lepton pair production induced by relativistic particle beams and intense laser fields.

Barcelona, Spain, HEEPs conference (12.04.-16.04.2010)

de Ona Wilhelmi, E.:
Pulsars and PWN at TeV energies.

Berkeley, California, USA, 10th International Colloquium on Atomic Spectra and Oscillator Strengths for Astrophysical and Laboratory Plasmas (03.08.-07.08.2010)

Harman, Z.:
Cross section enhancement in correlated resonant recombination processes.

Berkeley, California, USA, Workshop on Antimatter Creation Using Intense Lasers (27.04.-28.04.2010)

Müller, C.:
Nonlinear QED processes in strong laser fields.

Berkeley, USA, Workshop on Germanium-Based Detectors and Technologies (18.05.-20.05.2010)

Schönert, S.:
The GERDA neutrino-less double beta decay experiment.

Berlin, Germany, HZB BESSY Users Meeting (10.12.2010)

Crespo López-Urrutia, J.:
Astrophysical highly charged ions brought to the laboratory.

Bern, Switzerland, Large-scale magnetic fields in the Universe (01.03.-05.03.2010)

Aharonian, F. A.:
Gamma-ray sources and magnetic fields.

Björkliden, Sweden, Nordic Winter Meeting on Physics at FAIR (21.03.-26.03.2010)

Wolf, A.:
Precision Electron Collision Spectroscopy of Highly Charged Ions.

Bonn, Germany, DPG Frühjahrstagung (15.03.-19.03.2010)

Hofmann, W.:
Kosmische Teilchenbeschleuniger
Nagy, S.:
Towards high-precision mass measurements of neutron-rich fission products at TRIGA-SPEC.

Cakirli, R.B.:
Structure of Ba with N~90 and Ra with N~132 from High Precision Mass Measurements of $^{136-146}\text{Xe}$ and $^{223-229}\text{Rn}$.

Winckler, N.:
Orbital electron capture of stored H-like ions.

Postberg, F.:
Composition of the Enceladus Ice-Plume.

Adulpravitchai, A.:
Flavored Orbifold GUT.

Barry, J.:
Deviations from TBM in A4 neutrino mass models.

Bezrukov, F.:
Light inflaton - connecting inflation and low energy

- experiments.*
keV sterile neutrino Dark Matter in gauge extensions of the Standard Model.
Haser, J.:
Charakterisierung der Double Chooz Photomultiplier und Elektronik.
Hohenegger, A.:
Finite Density Aspects of Leptogenesis.
Kartavtsev, A.:
Systematic Approach to Leptogenesis in Nonequilibrium Quantum Field Theory.
Reinhold, B.:
Das Double Chooz Experiment.
Rodejohann, W.:
Neutrino massen: theoretischer Ursprung und Phänomenologie.
Schönert, S.:
Search for neutrinoless double beta decay.
Schwetz-Mangold, T.:
Neutrinos, Dunkle Materie und Physik jenseits des Standard-Modells (Hauptvortrag).
Wagner, S.:
Quenching-Effekte in den Fluessigszintillatoren des Double Chooz Experiments.
- Bonn, Germany, SUSY10 (23.08.-28.08.2010)
Takahashi, R.:
Cascade Textures in SUSY GUT.
- Braunschweig, Germany, Seminar an der Physikalisch-Technischen Bundesanstalt PTB (24.06.2010)
Maneschg, W.:
Use of Th-228 sources with reduced neutron fluxes at Laboratori Nazionali del Gran Sasso.
- Bremen, Germany, 38th COSPAR Scientific Assembly (18.07.-25.07.2010)
Kirk, J. G.:
Magnetic Field Dissipation in Pulsar Winds.
Postberg, F.:
The icy breath of Enceladus: Insight into a cryo-volcanic world.
Saturnian stream particles – Nano-rocks from Enceladus?
Srama, R.:
Faint dusty rings and streams : in-situ observations with Cassini at Saturn.
Domainko, W.:
Gamma rays from starburst galaxies.
Hofmann, W.:
News from the VHE gamma-ray observatories: status and galactic sources.
- Budapest, Hungary, RHIC School 2010 (29.11.-03.12.2010)
Jochim, S.:
Ultracold strongly interacting Fermi gases.
- Cape Town, South Africa, 5th International Conference on Beyond the Standard Models of Particle Physics, Cosmology and Astrophysics (01.02.-06.02.2010)
Aharonian, F. A.:
Very High Energy Source Populations
Lindner, M.:
SUSY now or never.
- Catania, Italy, CRIS 2010: "100 years of Cosmic Ray Physics: from pioneering experiments to physics in space" (13.09.-17.09.2010)
Aharonian, F. A.:
Cosmic Rays and gamma-ray astronomy from ground.
Hermann, G.:
The future Cherenkov Telescope Array CTA.
- Conca Specchiulla (Otranto), Italy, Neutrino Oscillations Workshop (NOW 2010) (04.09.-11.09.2010)
Akhmedov, E.:
New MiniBooNE Results and Non-standard Neutrino Interactions.
Lindner, M.:
keV sterile neutrino Dark Matter in extensions of the Standard Model.
- Crete, Greece, High Time Resolution Astrophysics (HTRA) IV (05.05.-07.05.2010)
Aharonian, F. A.:
HTRA with Cerenkov Telescopes.
- Darmstadt, Germany, EMMI Workshop: Data Requirements in Nuclear Astrophysics (25.07.-27.07.2010)
Litvinov, Y.:
Beta-decay of highly-charged ions.
- Darmstadt, Germany, EMMI Workshop: Neutron Matter in Astrophysics: From Neutron Stars to the R-Process GSI (15.07.-18.07.2010)
Litvinov, Y.:
Broadband Mass Measurements in Storage Rings.
- Darmstadt, Germany, GSI Darmstadt, NuSTAR Collaboration Meeting (26.03.2009)
Pálffy, A.:
Resonant nuclear excitation via coupling to the atomic shell.
- Darmstadt, Germany, Workshop "EMMI Physics Days", GSI Helmholtzzentrum für Schwerionenforschung (04.11.-05.11.2010)
Harman, Z.:
Relativistic, quantum electrodynamic and nuclear effects in highly charged ions. (plenary talk)
Jochim, S.:
Deterministic preparation of a tunable few-fermion system.
- Darmstadt, GSI, Germany, 9th Workshop on Recoil Separator for Superheavy Element Chemistry, TASCA10 (18.11.2010)
Nagy, S.:
Towards online coupling of TRIGA-SPEC to the research reactor TRIGA Mainz.
- Darmstadt, GSI, Germany, International Summer Student Program (02.08.-24.09.2010)
Litvinov, Y.:
Nuclear Structure and Astrophysics III: Experiments at the ESR.
- Darmstadt, GSI, Germany, NUSTAR Annual Meeting 2010 (05.03.2010)
Nagy, S.:
TRIGA-SPEC at the reactor in Mainz.
- Dresden, Germany, Double Beta Matrix Element Workshop (29.07.-30.07.2010)
Blaum, K.:
Contribution to neutrino physics with Penning traps.
- Dresden, Germany, International Focus Workshop "Molecules under X-ray Pulses" (15.11.-17.11.2010)
Rudenko, A.:
Towards time-resolved imaging of dynamics in clusters, nano-crystals and viruses.
Moshhammer, R.:
Time-resolved molecular break-up reactions.
Epp, S.:
The CAMP instrument and electron holography.
- Dresden, Germany, International Workshop on Atomic Physics (22.11.-26.11.2010)

- Pfeifer, T.:**
Novel Routes to Time-Resolved Spectroscopy by using Fully and Partially Coherent Light Fields.
- Dublin, Ireland, 37th EPS Conference on Plasma Physics (21.06.2010)
Kirk, J. G.:
Waves in Pulsar Winds.
- Dublin, Ireland, 8th INTEGRAL Workshop: The Restless Gamma-ray Universe (27.09-30.09.2010)
Aharonian, F.A.:
High Energy Sources above 10 MeV.
- Durham, England, European Conference on Trapped Ions ECTI2010 (19.09.-24.09.2010)
von Hahn, R.:
The Electrostatic Cryogenic Storage Ring CSR-a storage device for atomic, molecular and cluster ion experiments.
- Eisenach, Germany, EMMI Workshop: Physics Prospects at the ESR and HITRAP (27.06.-30.06.2010)
Winckler, N.:
Orbital electron capture of stored highly-charged ions.
Fischer, D.:
Dynamics of electron capture in slow ion-atom collisions.
- Eisenach, Germany, Laboratory Astrophysics External Retreat (15.10.-16.10.2010)
Wolf, A.:
Collisions of molecular ions and internal states.
- Erice, Italy, Erice School/Workshop on Nuclear Physics "Particle and Nuclear Astrophysics" (16.09.-24.09.2010)
Casanova, S.:
Gamma ray emission from molecular clouds.
- Florence, Italy (Galileo Galilei Institute), Conference on The Dark Matter Connection: Theory and Experiment (17.05.-22.05.2010)
Schwetz-Mangold, T.:
DM direct detection data and speculations on the low-mass WIMP region.
- Fort Worth, Texas, USA, 21st International Conference on the Application of Accelerators in Research and Industry (CAARI 2010) (08.08.-13.08.2010)
Hatsagortsyan, K. Z.:
Relativistic high-order harmonic generation and other effects.
Epp, S. W.:
FEL photons on trapped ions in EBITs.
Wolf, A.:
Cold Chemistry with Fast Ion and Electron Beams.
- Foz do Iguaçu, Brazil, 19th International Laser Physics Workshop (LPhys'10) (05.07.-09.07.2010)
Di Piazza, A.:
Testing strong-field CED and QED with intense laser fields.
Harman, Z.:
Intense high-quality medical proton beams via laser fields.
Macovei, M.:
Single-cycle quantum dynamics induced by an ultra-short laser pulse.
- Galveston, USA, Gordon Research Conference on Photoions, Photoionization and Photodetachment (31.01.-05.02.2010)
Rudenko, A.:
Time-resolved imaging of few-photon, few-electron reactions.
- Garching, Germany, SILMI Workshop on Frontiers in Intense Laser-Matter Interaction Theory, Max Planck Institute for Quantum Optics (01.03.-03.03.2010)
Di Piazza, A.:
Testing strong-field CED and QED with intense laser fields.
Keitel, C. H.:
Laser-induced high-energy processes.
- Geneva, Switzerland, CERN, Planck 2010 (31.05.-04.06.2010)
Bezrukov, F.:
Light inflaton - cosmology and experiments.
- Geneva, Switzerland, CERN, Theory institute on Neutrino Theory, Models and Experimental Perspectives (NuTheME) (13.09.-22.09.2010)
Rodejohann, W.:
Theoretical desiderata in measurements of mixing parameters.
- Giessen, Germany, HGS-HiRe Giessener Lecture Week on Nuclear structure, Schloss Rauischholzhausen (11.01.-15.01.2010)
Blaum, K.:
Basics of the determination of nuclear ground state properties.
Cooling and detection of charged particles.
High-resolution laser spectroscopy experiments.
High-precision mass measurements.
- Göttingen, Germany, DUSTY VISIONS Workshop (14.07.-16.07.2010)
Postberg, F.:
Enceladus: Insight into a cryo-volcanic world from CDA dust spectrometry.
- Granlibakken, Lake Tahoe, USA, Eighth International Conference on Dissociative Recombination: Theory, Experiments and Applications, DR2010 (16.08.-20.08.2010)
Buhr, H.:
Studies of polyatomic DR with a new energy-sensitive imaging detector.
Dissociative recombination of D3O⁺ studied with a new energy-sensitive imaging detector.
Krantz, C.:
The Cryogenic Storage Ring and its application to molecular ion recombination physics.
Novotný, O.:
Fragment imaging for cold electron collisions with molecular ions.
Schwalm, D.:
Rotational cooling of HD⁺ by superelastic collisions with electrons.
Wolf, A.:
Current developments in electron collision studies of molecular ions.
- Groningen, Netherlands, Program Workshop "Nanoworld in Action" (07.06.-08.06.2010)
Ullrich, J.:
Brilliant FEL light – new frontiers in AMO research and beyond.
- Günzburg, Germany, Joint CPTS/BMS workshop at Schloss Reisingen (27.09.-28.09.2010)
Epp, S. W.:
The Advanced Study Group and CAMP.
Ullrich, J.:
Free Electron Lasers – Status and opportunities.
- Guwahati, India, Photonics India 2010 (11.12.-15.12.2010)
Schmid, S.:
Arrays of microcavities coupled to atoms and fibers.

- Hamburg, Germany, DESY, 7th XDAC meeting (25.05.2010)
Epp, S. W.:
Results & Experiences for the pnCCDs in CAMP.
- Hamburg, Germany, DESY, Physics at the LHC 2010 (06.2010)
Maciuc, F. (on behalf of LHCb collaboration):
Tracking and alignment in LHCb.
Hofmann, W.:
Highlights from astroparticle physics.
- Hamburg, Germany, DESY, Workshop on Multi Parton Interactions (13.09.-15.09.2010)
Schmelling, M.:
Minimum Bias Physics at LHCb.
- Hamburg, Germany, DLR-Kongress (01.09.2010)
Srama, R.:
Cassini am Saturn: Entdeckungen des CDA.
- Hamburg, Germany, International Symposium on Frontiers in Quantum Photon Science (11.11.-12.11.2010)
Ullrich, J.:
Brilliant FEL light: New frontiers in atomic and molecular physics.
- Hannover, Germany, DPG Frühjahrstagung (08.03.-12.03.2010)
Ketelaer, J.:
Mass measurements on neutron-rich fission products and actinoids at TRIGA-TRAP.
Laux, F.:
Mass Selective Acceleration at the Heavy Ion Storage Ring TSR
Wolf, A.:
Cold Electron Collisions at Ion Storage Rings.
Di Piazza, A.:
Testing strong-field CED and QED with intense laser fields. (main talk)
Crespo López-Urrutia, J.:
Exciting and ionizing trapped highly charged ions with electrons and photons in an EBIT.
Dorn, A.:
COLTRIMS used for (e,2e). (Hauptvortrag)
Kremer, M.:
Electron localization in fragmentation of H₂ with CEP stabilized laser pulses.
Jochim, S.:
Few-body physics with ultracold atoms.
Ullrich, J.:
Quantum dynamics visualized by reaction microscopes: from intense virtual towards real attosecond photon fields. (Hauptvortrag)
Molecular dynamics: Imaging from within (Hauptvortrag).
- Hannover, Germany, DPG Frühjahrstagung, Joint Symposium SYPS (08.03.-12.03.2010)
Crespo López-Urrutia, J.:
Exciting and ionizing trapped highly charged ions with electrons and photons in an EBIT.
- Han-sur-Lesse, Belgium, CUSPFEL (Chemistry with Ultra-Short Pulses and Free-Electron Lasers) WG1 meeting (12.05.-16.04.2010)
Rudenko, A.:
Exploring few-photon, few-electron reactions with free-electron lasers: From ion yield and momentum measurements to time-resolved and kinematically complete experiments.
- Heidelberg, Germany, 11th Symposium on Nuclei in the Cosmos (19.07.-23.07.2010)
Litvinov, Y.:
Mass and Lifetime Measurements of Stored Exotic Nuclei.
- Heidelberg, Germany, Max-Planck-Haus, H.E.S.S. miniworkshop, CTA session (02.02.2010)
Bosch-Ramon, V.:
Studying variable gamma-ray sources with CTA.
- Heidelberg, Germany, PROCOPE meeting on Rydberg physics (16.11.2010)
Evers, J.:
Quantum optics theory at MPIK: An overview.
- Heidelberg, Germany, TEXAS 2010 Symposium (06.12.-10.12.2010)
Schwetz-Mangold, T.:
Theory of Dark Matter direct detection.
Simgen, H.:
Observation of neutrinos from sun and earth with the Borexino detector.
- Heidelberg, Germany, TSR@ISOLDE Workshop (28.10.-29.10.2010)
Litvinov, Y.:
Lifetime measurements of ⁷Be using a storage ring at ISOLDE.
Wolf, A.:
The present experimental program at the TSR.
- Heidelberg, Germany, Variable Galactic Gamma-Ray Sources (30.11.-03.12.2010)
Barkov, M.:
Accretion/Blandford-Znajek processes and jet formation.
Rieger, F.:
Particle acceleration in the context of Gamma-ray binaries
- Heronissos, Crete, Greece, Fullerene Silver Anniversary Symposium (04.10.-10.10.2010)
Krätschmer, W.:
The Story of making Fullerenes I.
- Hersonissos, Greece, CUSPFEL (Chemistry with Ultra-Short Pulses and Free-Electron Lasers) Workshop (20.10.22.10.2010)
Rudenko, A.:
First experiments at LCLS: Correlated ion, electron and photon spectroscopy.
- Höchst i.O., Germany, 2nd Joint QUASAR and THz-Groups Workshop on Accelerator Science and Technology (06.09.-09.09.2010)
Schmelling, M.:
Disentanglement in Data Analysis.
- Hong Kong, China, Workshop on Optics and New Materials II (30.04.-03.05.2010)
Xia, K.:
Cooling of a Nanomechanical Resonator to its Ground State.
- Houston, TX, USA, DAMOP meeting of the American Physical Society 2010 (03.01.-07.01.2010)
Pfeifer, T.:
Attosecond spectral interferometry and quantum control of electron dynamics.
- Karlsruhe, Germany, KATRIN-Meeting (06.10.2010)
Simgen, H.:
Radon Background in Low Level Experiments.
- Kazan, Russia, International Conference on Coherent and Nonlinear Optics / International Conference on Lasers, Applications and Technologies (ICONO/LAT) (23.08.-26.08.2010)

- Rudenko, A.:**
Atoms and molecules in intense free electron laser light: from EUV to X-ray domain.
- Schröter, C. D.:**
Atomic and molecular fragmentation dynamics in intense FEL radiation.
- Hatsagortsyan, K. Z.:**
Recollisions and Radiative Reaction in Strong Laser Pulses.
- Ruf, M.:**
Nonperturbative electron-positron pair creation in strong laser fields.
- Kiama, Australia, Cosmic Magnetism (06.06.-11.06.2010)
Crocker, R. M.:
A new lower limit on the magnetic field around the Galactic centre.
- Kolkata, India, ICCIA 10 Conference (19.01.2010)
Blaum, K.:
High precision Penning Trap mass measurements – status and perspectives.
- Kos, Greece, Conference: Spectroscopy of Molecular Ions in the Laboratory and in (Extraterrestrial) Space (05.10.2010)
Petrignani, A.:
High sensitivity spectroscopy of cold H_3^+ ; visible transition frequencies and probabilities.
- Krakow, Poland, Magnetic fields: Properties and Origins (24.05.2010)
Jones, D.:
A lower limit of 50 micro-Gauss for the Galactic centre magnetic field.
- Kreuth, Germany, Schloss Ringberg, International Workshop on “Science with FELs – from first results to future perspectives” (14.03.-17.03.2010)
Dorn, A.:
A lithium target for experiments at Free Electron Lasers.
Rudenko, A.:
X-ray pump, X-ray probe experiments: experience from FLASH and SCSS, perspectives for LCLS.
Crespo López-Urrutia, J.:
Reenacting photoionization in astrophysical X-ray engines at LCLS.
- Kreuth, Germany, Schloss Ringberg, The GeV to TeV Connection (11.01.-16.01.2010)
Bosch-Ramon, V.:
Constraints on the GeV-TeV emitter in gamma-ray binaries
Crocker, R. M.:
Radio, GeV and TeV views of the Galactic centre
- Kyoto, Japan, Kyoto University, The 39th Fullerenes-Nanotubes General Symposium (05.09.-07.09.2010)
Krätschmer, W.:
From Soot to Fullerenes – Recollections of a Discovery.
- Lanzhou, China, 7th SPARC Workshop and Collaboration Meeting (24.08.-27.08.2010)
Voitkiv, A.:
Some field-assisted and field-induced collision processes.
Fischer, D.:
Dynamics in ion-impact induced ionization.
Litvinov, Y.:
Nuclear Physics Experiments with Highly-Charged Ions.
- Liverpool, UK, Learning and Teaching Conference (23.06.2010)
Welsch, C. P.:
Postgraduate training through international networking.
- London, UK, IOP High Energy Particle Physics and Astro-Particle Physics Meeting (29.03.2010)
Hofmann, W.:
Cosmic Particle Accelerators.
- London, United Kingdom, Workshop on Advances in Strong Field and Attosecond Physics (23.06.-25.06.2010)
Ullrich, J.:
Atomic and molecular dynamics in the light of next generation sources.
- Lund, Sweden, First meeting of the ATTOFEL network (27.05.-28.05.2010)
Jiang, Y.:
XUV pump-probe measurements with atoms and molecules at FLASH and SCSS.
Ott, C.:
Project InterAtto MPIK Heidelberg - Design and First Result.
- Madrid, Spain, Instituto de Física Teórica UAM/CSIC, XVI IFT-UAM/CSIC Christmas Workshop (15.12.-17.12.2010)
Lindner, M.:
Neutrinos as Probes of new Physics.
- Magnetic Island, Australia, 12th International Workshop on Slow Positron Beam Techniques (SLOPOS 12) (01.08.-06.08.2010)
Dorn, A.:
Kinematically complete experiments on positron impact ionization of helium.
- Menlo Park, CA, USA, 2010 LCLS / SSRL Annual Users’ Meeting & Workshops (17.10.-21.10.2010)
Epp, S. W.:
pnCCD detectors for imaging.
Crespo López-Urrutia, J.:
Electron Beam Ion Trap end station.
- Menlo Park, CA, USA, Ultrafast Vacuum Ultraviolet and X-ray Physics Workshop (19.07.-21.07.2010)
Rudenko, A.:
Atomic and molecular fragmentation by intense FEL light: from VUV to X-ray domain.
- Menlo Park, California, USA, SLAC Summer Institute (03.08.-14.08.2009)
Egberts, K.:
Results from H.E.S.S.
- Meudon, Paris, Workshop on acceleration and emission processes in AGN (25.01.2010)
Rieger, F.:
Particle acceleration in Centaurus A.
- Montpellier, France Identification of Dark Matter (IDM2010) (26.07.-30.07.2010)
Bezrukov, F.:
keV sterile neutrino Dark Matter in gauge extensions of the Standard Model.
Schwetz-Mangold, T.:
DM direct detection data and speculations on the low-mass WIMP region.
- Montreal, Canada, Strong and Electroweak Matter 2010 (29.06.-01.07.2010)
Hohenegger, A.:
Finite Density Aspects of Leptogenesis.
- Moscow, Russia, EMMI Workshop: Plasma Physics with Intense Laser and Heavy Ion Beams (20.05.-21.05.2010)
Harman, Z.:
Quantum dynamics in strong laser fields: acceleration, ionization and pair creation processes.

- Moscow, Russia, HEA-2010: High Energy Astrophysics (21.12.-24.12.2010)
Aharonian, F. A.:
Overview of recent observations of very high energy gamma-rays.
- Moscow, Russia, ITEP International Winter School (13.02.-20.02.2010)
Lindner, M.:
4 lectures on Neutrino Physics.
- Mumbai, India, 12th International Workshop on Neutrino Factories, Superbeams and Bet beams (NuFact 10) (20.10.-25.10.2010)
Rodejohann, W.:
Gauged $L(\mu)$ - $L(\tau)$ and different muon neutrino and anti-neutrino oscillations: MINOS and beyond.
Schwetz-Mangold, T.:
LSND and MiniBooNE within (3+1) Plus NSI; Summary talk of the Oscillation Physics working group.
- Natal, Brazil, Workshop "Ultracold quantum gases beyond equilibrium" (27.09.-01.10.2010)
Jochim, S.:
Few-body physics with an ultracold Fermi gas.
- Nizhny Novgorod, Russia, IV International Conference on Frontiers of Nonlinear Physics (13.07.-20.07.2010)
Keitel, C. H.:
High-energy physics with extremely intense laser pulses.
Zubairy, M. S.:
Beyond the Rayleigh limit in optical lithography and microscopy.
- Obergurgl, Austria, XVIIth Symposium on Atomic, Cluster and Surface Physics (SASP) (24.01.-29.01.2010)
Ullrich, J.:
Brilliant FEL light: new frontiers in AMO research.
- Orsay, France, Colloque commun de la division PAMO et Journées de Spectroscopie Moléculaire 2010 (29.06.-02.07.2010)
Wolf, A.:
Dissociation X-UV des molécules protonées aux sources "FEL".
- Padua, Italy, 4th International Workshop on thin films and new ideas to push the limits of RF superconductivity (03.10.-06.10.2010)
Junginger, T.:
Intrinsic limitations of niobium under RF.
- Paris, France, 1st Summer School on Multiwavelength Astronomy (29.06.-10.07.2009)
Hermann, G.:
Ground-based gamma-ray astronomy.
- Paris, France, TeV Particle Astrophysics 2010 (19.07.-23.07.2010).
Crocker, R. M.:
Radio and gamma-ray constraints on dark matter annihilation in the Galactic centre.
Casanova, S.:
The TeV diffuse emission.
Colnard, C.:
Status of IceCube-DeepCore: Sensitivity study for the Southern Hemisphere.
Odrowski, S.:
Neutrino point sources: Search strategies and results from IceCube.
- Pasadena, USA, Californian Institute of Technology, 8th International Conference on High Energy Density Astrophysics (15.03.2010)
Kirk, J. G.:
Radiative Signatures of First-Order Fermi Acceleration at Relativistic Shocks.
- Porto Conte, Italy, 5th ITS LEIF Annual Meeting (10.05.-14.05.2010)
Ullrich, J.:
Physics with free-electron lasers.
- Prague, Czech Republic, ELI - Beamlines Scientific Challenges Workshop (26.04.-27.04.2010)
Keitel, C. H.:
High-energy QED in lasers.
- Pralognan, France, 3rd ITS LEIF Winter School: Complex Systems and Ion Optical Tools (08.03.-11.03.2010)
Buhr, H.:
Hot water in space.
Novotný, O.:
Dissociative recombination of molecular ions in storage rings.
- Protvino, Russia, XXII Russian Particle Accelerator Conference (27.09.-01.10.2010)
Papash, A. I.:
Electrostatic storage rings at the ultra-low energies range.
- Qufu, Shandong, China, 2nd International Workshop on Entanglement and Quantum Control (07.06.-10.06.2010)
Evers, J.:
X-ray single photon entanglement via coherent control of nuclei.
- Reykjavik, Iceland, PARA 2010: State of the Art in Scientific and Parallel Computing (06.06.-09.06.2010)
Schmelling, M.:
RAVEN - Boosting Data Analysis for the LHC Experiments.
- Riezlern, Austria, 31. Arbeitstagung „Energierreiche atomare Stöße“ (01.02.-04.02.2010)
Kremer, M.:
Electron localization in the fragmentation of hydrogen molecules with CEP stabilized laser pulses.
Ullrich, J.:
Atoms and molecules in intense ultra-short FEL pulses.
- Riezlern, Austria, Workshop of Accelerator and Plasma Physics (07.03.-13.03.2010)
von Hahn, R.:
Status of the CSR.
- Rome, Italy, International Conference "Dynamics of Systems on the Nanoscale" (DySoN 2010) (16.11.-19.11.2010)
Ullrich, J.:
Free Electron Lasers: Dynamics and structure towards femtosecond time and nanometer spatial resolution.
- Rutherford, England, 6th IDS Plenary Meeting (22.09.-25.09.2010)
Rodejohann, W.:
Gauged $L(\mu)$ - $L(\tau)$ and different muon neutrino and anti-neutrino oscillations: MINOS and beyond.
- Saariselkä, Finland, 5th Conference on trapped charged particles and fundamental interactions, TCP2010 (12.04.-16.04.2010)
Crespo López-Urrutia, J.:
Photoionization of trapped ions at synchrotrons and free-electron X-ray lasers.
Nagy, S.:
Towards high-precision mass measurements of neutron-rich fission products at TRIGA-TRAP.
Wolf, A.:
Molecular Physics at Ion Storage Rings.

- Saariselkä, Finland, Trapped Charged Particles Workshop (TCP) (02.05.-06.05.2010)
Siggel-King, M. R. F.:
Electrostatic low-energy antiproton recycling ring.
- Salamanca, Spain, 10th European Conference on Atoms, Molecules and Photons (ECAMP10) (04.07.-09.07.2010)
Jochim, S.:
Experiments with ultracold fermions.
Ullrich, J.:
Brilliant FEL light: new frontiers in atomic and molecular physics.
Crespo López-Urrutia, J.:
Photoionizing highly charged ions up to Fe¹⁵⁺ with X rays: Resonance scattering.
- Salamanca, Spain, 21st European Conference on Few-Body Problems in Physics (29.08.-03.09.2010)
Jochim, S.:
Few-body physics with an ultracold Fermi gas.
- Santa Barbara, CA, USA, Conference on X-ray Science in the 21st Century (02.08.-06.08.2010)
Ullrich, J.:
Time-resolved experiments with FELs: Towards the molecular movie?
- Santa Fe, USA, Beam Instrumentation Workshop (BIW) (02.05.-06.05.2010)
Welsch, C. P.:
DITANET: Contributing to state-of-the-art diagnostics development.
- Santiago de Compostela, Spain, 17th Euroschool on Exotic Beams 2010 (September 2010)
Litvinov, Y.:
Nuclear Physics Experiments in Storage Rings.
- Sardinia, Italy, Pulsar conference (10.10.-15.10.2010)
de Ona Wilhelmi, E.:
Pulsar Wind Nebula in the GeV-TeV energy regime.
- Schleching, Germany, XLI. Arbeitstreffen Kernphysik (18.02.-25.02.2010)
Blaum, K.:
A New Route Towards Fundamental Tests with Anti-Hydrogen,
Jochim, S.:
Experiments with ultracold fermions.
- Sendai, Japan, International Conference on Many Particle Spectroscopy of Atoms, Molecules and Clusters (MPS2010) (04.09.-07.09.2010)
Moshhammer, R.:
XUV pump-probe experiments at Free Electron Lasers.
Fischer, D.:
Dynamics in ion-impact induced double ionization of atoms.
Ren, X.:
High resolution electron momentum spectroscopy (EMS) of molecules.
- Shanghai, China, 15th International Conference on the Physics of Highly Charged Ions (HCI 2010) (30.08.-03.09.2010)
Crespo López-Urrutia, J.:
Resonance scattering and photoionization in Fe^{14+,15+} ions at 800 eV photon energy.
Litvinov, Y.:
At the Borderline Between Atomic and Nuclear Physics: Two-Body Nuclear Decay of Highly-Charged Ions.
Wolf, A.:
Physics with stored highly charged ion beams.
- Shanghai, China, The 8th CCAST Workshop on Strong Field Laser Physics (25.10.-29.10.2010)
Jiang, Y.:
Progress on atomic and molecular physics with strong lasers in Heidelberg.
- Snowbird, Utah, USA, 40th Winter Colloquium on the Physics of Quantum Electronics (PQE) (03.01.-08.01.2010)
Pfeifer, T.:
Measurement and CEP control of isolated attosecond pulse contrast.
Evers, J.:
Yoctosecond light pulses from quark gluon plasmas.
Pálffy, A.:
X-ray single-photon entanglement via coherent control of nuclei.
- Snowmass Village, CO, USA, 17th International Conference on Ultrafast Phenomena 2010 (19.07.-23.07.2010)
Fischer, B.:
Manipulating the dissociation of H₂ (D₂) by phase stable laser pulses.
- Speyer, Germany, EMMI Workshop: Particle dynamics under extreme matter conditions (26.09.-29.09.2010)
Rudenko, A.:
Few-particle reactions in intense FEL light: first experiments in the X-ray domain
Di Piazza, A.:
Testing strong-field CED and QED with intense laser fields.
Harman, Z.:
Acceleration of charged particles by intense laser fields.
Müller, C.:
High-energy collision processes involving intense laser fields.
- Split, Croatia, GoranFest (09.06.-11.06.2010)
Schwetz-Mangold, T.:
Dark Matter and news from direct detection data.
- St. Petersburg, Russia, International Conference on Nuclear Physics "Nucleus 2010. Methods of Nuclear Physics for Femto- and Nanotechnologies" (LX Meeting on Nuclear Spectroscopy and Nuclear Structure) St. Petersburg State University, Petergof (06.07.-09.07.2010)
Litvinov, Y.:
Recent Results from Experiments at the ESR.
- Starnberger See, Andrzejfest (07.10.-09.10.2010)
Lindner, M.:
Neutrinos and Dark Matter.
- Stockholm, Sweden, International Symposium on Electron Beam Ion Sources and Traps (EBIST2010) (07.04.-10.04.2010)
Bernitt, S.:
Solar wind interacting with comets: X-ray emission following charge exchange.
Crespo López-Urrutia, J.:
Photoionization of trapped ions at synchrotrons and free electron X-ray lasers. (plenary talk)
Mäckel, V.:
Laser spectroscopy of highly charged argon at the Heidelberg electron beam ion trap.
Ginzel, R.:
Solar wind interacting with comets: X-ray emission following charge exchange.
Beilmann, C.:
First and higher order electronic recombination studies at high resolution in cooled highly charged ions.
- Strasbourg, France, EUROnu meeting (02.06.-04.06.2010)
Schwetz-Mangold, T.:
Status of theta13 and perspectives.

- Sudbury, Canada, Topical Workshop in Low Radioactivity Techniques (28.08.-29.08.2010)
Lindemann, S.:
Behaviour of ^{222}Rn at cryogenic temperatures.
Simgen, H.:
Low background aspects of GERDA.
Weber, M.:
Background studies in Xenon100 dark matter experiment.
- Sydney, Australia, Conference on Solid State Dosimetry (SSD16) (19.09.-24.09.2010)
Holzscheiter, M. H.:
Using monolithic active pixel sensors for fast monitoring of therapeutic hadron beams.
- Taiyuan, China, 5th Asia-Pacific Conference on Quantum Information Science (21.08.-24.08.2010)
Evers, J.:
Cooling of a nanomechanical resonator coupled to flux qubits.
- Tilton, New Hampshire, USA, The 2010 Gordon Research Conference on Multiphoton Processes (06.06.-11.06.2010)
King, B.:
A matterless double-slit. (hot topic)
Moshhammer, R.:
Break-up of atoms and molecules in intense FEL radiation.
- Tokyo, Japan, Exploring Supernova Remnants and Pulsar Wind Nebulae in X-rays: before and after ASTRO-H (18.02.-19.02.2010)
Casanova, S.:
Particle escape from SNR.
- Tokyo, Japan, Mini-Workshop on Neutrinos (08.11.-11.11.2010)
Rodejohann, W.:
Neutrino Models.
- Torino, Italy, Conference on Flavour Physics and CP violation (FPCP) (25.05.-29.05.2010)
Schwetz-Mangold, T.:
Neutrino Physics: a theoretical review.
- Torino, Italy, Euro Science Open Forum (ESOF) (02.07.-07.07.2010)
Welsch, C. P.:
Ions, light and antimatter: Various roads into the quantum world.
- Torino, Italy, IV International Workshop on the Interconnection between Particle Physics and Cosmology (12.07.-16.07.2010)
Lindner, M.:
keV sterile neutrino Dark Matter in extensions of the Standard Model.
- Trento, Italy, ECT workshop on "Searches for CP-and T-Violation in Atoms and Nuclei" (15.11.-19.11.2010)
Blaum, K.:
Studying nuclear properties with trapped isotopes.
- Trieste Italy, Scineghe 2010, Gamma-ray Astrophysics in the Multimessenger context (08.09.-10.09.2010)
Aharonian, F.A.:
On the origin of very hard spectra of TeV blazars.
Volpe, F.:
The gamma-ray sky seen with H.E.S.S.
- Trieste, Italy, Gribov-80 Memorial Workshop on Quantum Chromodynamics and Beyond (26.05.-28.05.2010)
Akhmedov, E.:
Neutrino Oscillations in Quantum Mechanics and Quantum Field Theory.
- Trieste, Italy, International workshop on the soft X-ray science and instrumentation at the European XFEL (16.12.-17.12.2010)
Wolf, A.:
Results of Soft X-Ray Studies with Atomic and Molecular Ion Targets at Free Electron Lasers.
Crespo López-Urrutia, J.:
Status of the ion trap experiments Aarhus-Heidelberg.
- Turunç-Marmaris, Turkey, Frontier Topics in Bose-Einstein Condensation in Atoms & Semiconductors (11.09.-19.09.2010)
Jochim, S.:
Experiments with ultracold atoms.
- Ulm, Germany, Workshop on Quantum Coherence, University of Ulm (11.02.2010)
Keitel, C. H.:
Quantum optics at high fields.
- Uppsala, Sweden, Symposium on Trends in Experimental Physics: Multi-Particle Coincidence Spectroscopy of Atoms and Molecules (28.05.2010)
Moshhammer, R.:
Atomic physics experiments at the free electron laser FLASH.
- Utrecht, Netherlands, Conference on High-resolution X-ray spectroscopy: past, present, and future (15.03.-17.03.2010)
Crespo López-Urrutia, J.:
Photoionization measurements of Ar and Fe highly charged ions in the keV regime.
- Valencia, Spain, 16th International Symposium on Particles Strings and Cosmology (19.07.-23.07.2010)
Hohenegger, A.:
Finite Density Aspects of Leptogenesis.
- Vancouver, Canada, 37th International Conference on Vacuum Ultra-Violet and X-ray Physics (VUVX) (11.07.-16.07.2010)
Jiang, Y.:
Two-photon double ionization of D_2 by XUV pump-probe experiments at FLASH.
- Vancouver, Canada, International Nuclear Physics Conference, INPC2010 (04.07.-09.07.2010)
Blaum, K.:
Precision measurement of ground-state properties for nuclear structure studies.
Nagy, S.:
TRIGA-TRAP: The first Penning trap mass spectrometer at a research reactor.
- Veldhoven, The Netherlands, Physics at FOM (18.01.-19.01.2010)
Jochim, S.:
Efimov physics in a three-component Fermi gas.
- Würzburg, Residenz, Workshop The High Energy Universe (15.10.-16.10.2010)
Lindner, M.:
Neutrinos and dark matter as probes of new physics.
- Zeuthen, DESY, Astroteilchenphysik in Deutschland: Status und Perspektiven (25.02.-26.02.2010)
Lindner, M.:
Neutrino Physik Überblick (LAUNCH).
Schönert, S.:
Neue Germanium Experimente zur Suche nach dem neutrinoselbstlosen Doppelbetazerfall: GERDA und Majorana.
- Zürich, Switzerland, Dark Matter in the Sky and Underground workshop (22.09.-24.09.2010)

Schwetz-Mangold, T.:
Direct Detection: Where do we stand?

Zürich, Switzerland, DARWIN-Meeting (14.09.-15.09.2010)

Lindner, M.:
WIMPs, GIMPs and other Dark Matter.

Simgen, H.:
Work package 7 overview: Material screening and background modeling.

At Other Institutes

Aharonian, F. A.:
Nature's Extreme Particle Accelerators.
Dublin, Ireland, Colloquium at the University College Dublin (27.05.2010)

Exploring Particle Accelerators in the Universe.
Stockholm, Sweden, public lecture at the Oskar Klein Centre, University of Stockholm (18.10.2010)

Akhmedov, E.:
New MiniBooNE Results and Non-Standard Neutrino Interactions.

Trieste, Italy, The Abdus Salam International Centre for Theoretical Physics (05.10.2010)

Paradoxes of Neutrino Oscillations.
Paris, France, APC Colloquium (02.03.2010)

Moessbauer Effect with Neutrinos and Neutrino Oscillations.
Warsaw, Poland, University of Warsaw (12.01.2010)

Barkov, M.:
Close Binary Progenitors of Long Gamma Ray Bursts.
Moscow, Russia, Space Research Institute RAS, (04.02.2010) and
Moscow, Russia, Lebedev Physical Institute of the RAS (10.02.2010)
Accretion to BH and jet formation (magnetically driven collapsar model).
Merate, Italy, Milano Brera Observatorio (26.10.2010)

Berg, M.:
High sensitivity benchmark spectroscopy of H_3^+
Seminar Laborastrophysik, I. Physikalisches Institut, Universität Köln, Germany (02.11.2010)

Blaum, K.:
Atome auf die Waage gelegt – Gewichtsprobleme physikalischer Art.
Ruprecht-Karls-Universität Heidelberg, Pizza-Night Wintersemester 2009/2010, Heidelberg, Germany (25.01.2010)
Geladene in Haft - Präzisionsexperimente mit gespeicherten Ionen.
Physikalisches Kolloquium, Universität Mainz, Germany (04.05.2010) and
PTB Braunschweig, Germany (26.10.2010)
Precision Penning trap experiments with stored and cooled exotic ions.
University of Berkeley, USA (27.09.2010) and
Texas University at Austin, USA (29.09.2010) and
Physics Division Colloquium, Argonne National Laboratory, USA, (01.10.2010) and
Amos de Skalit Colloquium, Weizmann Institute, Rehovot, Israel (25.11.2010)

Bosch Ramon, V.:
The physics behind the non-thermal emission in gamma-ray binaries.
Rome, Italy, Physics Department, Rome University "La Sapienza" (17.03.2010)
The spectral energy distribution of gamma-ray binaries, Steady Jets and Transient Jets.

Bonn, Germany, Max-Planck-Institut für Radioastronomie (08.04.2010)

Buth, C.:
Atomic and molecular strong-field physics at ultrafast x-ray sources.
Argonne, Illinois, USA, Argonne National Laboratory, X-ray Science Division Seminar (30.06.2010) and
Atlanta, Georgia, USA, Georgia Institute of Technology, Physics Colloquium (05.05.2010)

Cakirli, R.B.:
Approaches to Understanding Nuclear Structure: Masses, radii, and spectroscopic observables.
Technische Universität Darmstadt, Germany (22.06.2010)
Correlations of Experimental Isotope Shifts With Spectroscopic and Mass Observables.
CERN-ISOLDE, Geneva, Switzerland (17.06.2010)
Approaches to Understanding Nuclear Structure Using Simple Observables.
GSI, Darmstadt, Germany (28.04.2010) and
Technische Universität München, Germany (03.05.2010)

Crespo López-Urrutia, J.:
A Paul trap for ultrahigh precision laser spectroscopy.
Braunschweig, Germany, Physikal. Techn. Bundesanstalt (06.12.2010)

Crocker, R. M.:
A new lower limit on the magnetic field around the Galactic centre.
Adelaide, Australia, University of Adelaide colloquium (01.03.2010)

de Ona Wilhelmi, E.:
H.E.S.S. Observations on Massive Star Clusters - West-erlund 1 & 2.
Barcelona, Spain, IEEC-ICE (22.04.2010)

Di Piazza, A.:
Classical and quantum electrodynamic effects in intense laser fields.
Darmstadt, Germany, GSI Helmholtzzentrum für Schwerionenforschung GmbH (30.11.2010)

Eliseev, S.:
PENTATRAP: A precision Penning trap mass spectrometer for highly-charged ions.
St. Petersburg State University, St.Petersburg, Russia (04.10.2010); PNPI, Gatchina, Russia (05.10.2010).

Evers, J.:
Coherent control of cooperative light scattering.
Texas, USA, Texas A&M University, College Station (05.10.2010)
X-ray and gamma-ray quantum optics.
Xian, China, Jiaotong University (31.08.2010) and
Beijing, China, Computational Science Research Center (18.08.2010)
Erzeugung kürzester Lichtblitze in Hochenergiekollisionen.
Heidelberg, Germany, Heidelberg Academy of Sciences and Humanities, Dulger award lecture (04.06.2010)
X-ray single photon entanglement via coherent control of collective nuclear dynamics.
Dresden, Germany, MPI for the physics of complex systems, (26.02.2010)
X-ray single photon entanglement via coherent control of nuclei.
Hamburg, Germany, Colloquium of the Graduiertenkolleg on the physics with novel coherent light sources (16.02.2010)

- Feuerstein, B.:**
Extreme Flashlights on Atoms and Molecules.
 Manhattan (KS), USA, Colloquium, Department of Physics, Kansas State University (03.05.2010)
Electron localization in H_2^+ by nuclear wave packet control.
 Manhattan (KS), USA, AMO Seminar, Department of Physics, Kansas State University (05.05.2010)
- Froese, M.:**
Decaying excited anions and their dependence on blackbody radiation in the CTF.
 IMPRS-QD Symposium, MPIK Heidelberg, Germany (14.10.10)
- Galow, B.:**
Theoretical simulations to acceleration of ions by intense laser fields.
 Heidelberg, Germany, University of Heidelberg, Physikalisches Institut, Seminar on atomic physics in strong electromagnetic fields (25.11.2010)
- Grieser, M.:**
Recent developments at the storage rings TSR and CSR.
 University of Kyoto, Japan (03.06.2010)
- Harman, Z.:**
High quality intense ion beams accelerated by strong laser fields.
 Giessen, Germany, Justus Liebig University Giessen, seminar on atom physics (09.12.2010)
Theoretical simulations to acceleration of ions by intense laser fields.
 Darmstadt, Germany, GSI Helmholtzzentrum für Schwerionenforschung GmbH, Plasma Physics Seminar (02.11.2010)
- Hatsagortsyan, K. Z.:**
High-order harmonic generation in relativistic domain and other effects in strong laser fields.
 Yerevan, Armenia, Yerevan State University, Seminar of the Theory Department (24.11.2010)
Strong field physics: history and new prospects.
 Yerevan, Armenia, Yerevan State University, Colloquium of the Optics Department (25.11.2010)
- Heusser G.:**
Low radioactivity background techniques.
 Assergi, LNGS, International student workshop on neutrinoless double beta decay (11.-13.11.2010)
Sources of background and their suppression illustrated by experiments on neutrino properties at LNGS.
 Assergi, LNGS, LNGS seminar (25.05.2010)
The art of low background physics.
 Dresden, Institut fuer Kern- und Teilchenphysik Uni Dresden, institute seminar (15.04.2010)
- Hofmann, W.:**
Cosmic Particle Accelerators.
 Potsdam, Germany, Kolloquium (28.04.2010) and Darmstadt, Germany, GSI, Kolloquium (13.07.2010)
- Jiang, Y.:**
Overview of FEL studies in Heidelberg.
 Freiburg, Germany, Seminar at Physics Department, Universität Freiburg (10.05.2010)
- Jochim, S.:**
Few-body physics with ultracold atoms.
 Cambridge, USA, Harvard Atomic Physics Colloquium, Harvard University (09.02.2010)
Few-body physics with an ultracold Fermi gas.
 Kaiserslautern, Germany, SFB Seminar, Universität (20.05.2010)
Ultrakalte Fermigase: stark verdünnt und doch stark korreliert.
 Heidelberg, Physikalisches Kolloquium, Universität (27.05.2010)
Deterministic preparation and control of a few fermion system.
 Ulm, Germany, SFB Kolloquium Stuttgart-Ulm, Universität (22.10.2010) and Wien, Seminar Gruppe Schmiedmayer, Atominstitut der österreichischen Universitäten (26.11.2010)
- Jones, D.:**
A lower limit of 50 micro-Gauss for the Galactic centre magnetic field amplitude.
 Berkely, USA, The University of California, Berkely, (21.06.2010)
- Keitel, C. H.:**
High-energy quantum dynamics in extremely intense laser pulses.
 Darmstadt, Germany, TU Darmstadt, Physikalisches Kolloquium (12.11.2010)
Exotic Physics with a 10 petawatt laser.
 Palaiseau, France, ENSTA-PALAISEAU, invited talk on the occasion of the visit of the Apollon advisory board (26.10.2010)
Super-strong laser-matter interaction: History and current frontiers.
 Bielefeld, Germany, University of Bielefeld, celebratory colloquium on the occasion of Prof. Farhad Faisal's retirement (01.02.2010)
- King, B.:**
Illuminating the quantum vacuum using intense lasers.
 Jena, Germany, Friedrich Schiller University of Jena, Institute of Theoretical Physics (09.11.2010)
- Kirk, J. G.:**
Prolific Pair Production in Laser Beams.
 Abingdon, UK, Rutherford-Appleton Laboratory (09.02.2010)
Charge-starved Relativistic Jets and Blazar Variability.
 Oxford, UK, Clarendon Laboratory, University of Oxford (14.11.2010)
Prolific Pair Production with Intense Laser Beams.
 München, Germany, Ludwig-Maximilians Universität (29.11.2010)
The Extremely Rapid Variability of High-Energy Emission from Blazars.
 Perth, Australia, International Centre for Radio Astronomy Research, University of Western Australia (07.12.2010)
- Knöpfle, K.T.:**
What about GERDA.
 Assergi, Italy, Laboratori Nazionali del Gran Sasso (03.03.2010)
Construction of GERDA.
 Assergi, Italy, Laboratori Nazionali del Gran Sasso (09.11.2010)
Commissioning of the GERDA experiment and perspectives.
 Heidelberg, Germany, Universität Heidelberg, Physikalisches Institut (23.11.2010)
- Krätschmer, W.:**
From Soot to Fullerenes – Recollections of a Discovery.
 Tsukuba, Japan, Tsukuba Advanced Research Alliance Institute (02.09.2010)
Spectroscopy of Carbon Chain Molecules in Cryogenic Matrices.
 Nagoya, Japan, Department of Chemistry, Nagoya University (09.09.2010)

- Kreim, S.:**
ISOLTRAP – recent upgrades and results.
NSCL, Michigan State University, East Lansing, USA
(02.07.2010)
- Kreim, S.:**
The ISOLDE facility.
Student visit from Germany, CERN, Geneva, Switzerland
(16.04.2010/26.07.2010)
Meeting the challenges for more exotic nuclei at the mass spectrometer ISOLTRAP.
Eberhard Karls-Universität, Tübingen (26.10.2010) and
Institut für Kernchemie, Johannes Gutenberg-Universität,
Mainz, Germany (22.11.2010)
- Kremer, M.:**
Quantendynamik mit Femto- und Attosekunden Lichtpulsen.
Gießen, Germany, Fachhochschule Gießen-Friedberg
(19.11.2010)
Manipulating molecular fragmentation with phase-stabilized laser pulses.
Heidelberg, Germany, Kaffeepalaver, Max-Planck-Institut
für Kernphysik (21.01.2010)
- Lange, M.:**
Experiments at the cryogenic ion beam trap CTF: From beam dynamics to cluster decay.
Atomphysik-Seminar GSI, Darmstadt (27.10.2010)
- Lindner, M.:**
Neutrinos as Probes of new Physics.
Mainz, Germany, Universitäts-Kolloquium (30.11.2010)
- Litvinov, Y.:**
Two-Body Beta Decay of Highly-CHarged Ions.
CNRP Seminar, University of Surrey, Guildford, UK
(02.02.2010)
Trapped Ions for Nuclear Physics and Astrophysics.
Beihang University, Beijing, China (08.06.2010)
Nuclear Physics in Storage Rings.
Institute of Theoretical Physics, Chinese Academy of
Sciences, Beijing, China (10.06.2010)
Recent Results from Experiments at the ESR I.
IMP, Lanzhou, China (17.06.2010)
Recent Results from Experiments at the ESR II.
IMP, Lanzhou, China, (22.06.2010)
*At the Borderline Between Atomic and Nuclear Physics:
Two-Body Nuclear Decay of Highly- Charged Ions.*
RI Physics Seminar, RIKEN, Wako-shi, Tokyo, Japan,
(27.09.2010).
Beta-decay of highly-charged ions.
Seminar on “Aktuelle Probleme der Beschleuniger- und
angewandten Schwerionenphysik”, Institut für Ange-
wandte Physik, J.W. Goethe-Universität, Frankfurt,
Germany (12.11.2010)
Nuclear decay of highly-charged ions.
Seminar on “Atom- und Molekülphysik” Institut für
Kernphysik, J.W. Goethe-Universität, Frankfurt, Germany
(12.11.2010)
- Mokler, P.:**
*Resonante elektronische Rekombination höherer
Ordnung.*
Gießen, Germany, Seminar über Atomphysik, Universität
(04.11.2010)
- Moshhammer, R.:**
*Atoms and molecules in strong fields at IR and XUV
wavelengths.*
London, England, Laser Seminar at Imperial College
(15.09.2010)
- Müller, C.:**
Lepton pair creation in intense laser fields.
Warsaw, Poland, Institute of Theoretical Physics, conversa-
torium, University of Warsaw (07.10.2010)
High-energy processes in very strong laser fields.
Warsaw, Poland, University of Warsaw, Seminar of the
Nonlinear Optics Division, (07.10.2010)
*Theoretische Quantendynamik in intensiven Laserfel-
dern.*
Heidelberg, Germany, University of Heidelberg, PIZZA
Night (10.05.2010)
- Nagy, S.:**
*TRIGA-TRAP: The first Penning trap mass spectrometer
at a research reactor.*
Institut für Kernchemie, Universität Mainz, Germany
(28.06.2010)
- Pálffy, A.:**
Excitons, polaritons and quantum optics with nuclei.
Rostock, Germany, Institut für Physik, Seminar der AG
Quantentheorie und Vielteilchensysteme (08.06.2010)
Coupling nuclei to intense photon fields.
Hamburg, Germany, DESY research centre, HASYLAB
seminar (11.06.2010)
- Papash, A. I.:**
*Beam dynamics in the Electrostatic Storage Ring USR for
ultra-low energies antiprotons.*
Darmstadt, Germany, GSI Beam Dynamics Seminar
(18.03.2010)
- Pfeifer, T.:**
*Spectroscopy and laser control of electron motion:
Classical and quantum dynamics on attosecond times-
cales.*
AMQ Seminar, Universität Heidelberg (20.01.2010)
- Postavaru, O.:**
*Spectral control of x-ray resonance fluorescence of highly
charged ions.*
Heidelberg, Germany, University of Heidelberg, Physi-
kalisches Institut, Seminar on atomic physics in strong
electromagnetic fields (11.11.2010)
- Rodejohann, W.:**
*Neutrinos als Proben für Physik jenseits des Standard
Models.*
Seminar at Westfaelische Wilhelms-Universität Münster
(13.06.2010)
- Schnell, M.:**
Cold controlled molecules and their dynamics.
Bothe-Kolloquium, Max-Planck-Institut für Kernphysik
Heidelberg (13.10.2010)
Dynamics of cold and controlled molecules.
Doktoratskolleg, Universität Wien (29.11.2010)
- Schwalm, D.:**
*Bewegung hält auch Atome jung – ein Präzisionsexperi-
ment zur Zeitdilatation.*
LMU München, Germany (28.10.2010)
- Schwetz-Mangold, T.:**
*Recent results from Dark Matter direct detection experi-
ments and their interpretation.*
Würzburg, Germany, Astroparticle seminar (18.11.2010)
and
Trieste, Italy, joint ICTP/SISSA seminar (02.11.2010)
*Dark Matter direct detection and speculations on
low-mass WIMPs.*
Hamburg, Germany, Astroparticle seminar (12.07.2010)
Neutrino oscillations: status and prospect.
Ljubljana, Slovenia, High energy physics seminar

(23.02.2010)

Global interpretation of Dark Matter direct detection searches.

ULB Brussels, Belgium, High energy physics seminar
(12.01.2010)

Sperl, A.:

Erzeugung und Charakterisierung von ultrakurzen Lichtimpulsen für einen Einsatz in Experimenten mit Attosekunden Präzision.

Kaiserslautern, Germany, TU Kaiserslautern (02.06.2010)

Srama, R.:

Tools for dust Astronomy.

Kobe, Japan Kobe University (11.03.2010)

The Cassini Huygens mission to Saturn.

Kobe, Japan, Kobe University (12.03.2010)

The Heidelberg dust accelerator and its applications.

Baylor, USA, Baylor University (05.11.2010)

Dust Research with Galileo, Ulysses and Cassini.

Baylor, USA, Baylor University (05.11.2010)

The hunt for interstellar dust with in-situ dust detectors.

Bern, Schweiz, University of Bern (15.12.2010)

Ullrich, J.:

Free Electron Lasers: Ultra-brilliant light for science.

Innsbruck, Austria, Physikalisches Kolloquium (19.01.2010) and

Stockholm, Sweden, Colloquium (12.04.2010) and

Frankfurt, Germany, FIAS Colloquium (25.11.2010) and

Heidelberg, Germany, AMQ Kolloquium, (09.06.2010) and

Aarhus, Denmark, General Physics Colloquium (14.09.2010)

Ultra-brilliant light for science.

Groningen, Netherlands, Hendrik de Waard Lecture

(26.03.2010)

Van Eldik, C.:

Gamma-Ray Astronomy meets Boosted Decision Trees.

Tübingen, Germany, MPI für biologische Kybernetik

(07.2010)

Voitkiv, A.:

Transfer-ionization in energetic ion-atom collisions.

Gießen, Germany, Atomphysik-Seminar (01.07.2010)

Ion-atom collisions.

Lanzhou, China, lecture series, Institute for Modern

Physics, Chinese Academy of Science (July-August 2010)

Voss, Helge.:

Data Analysis with TMVA.

Lausanne, Switzerland, Seminar (12.04.2010)

Welsch, C. P.:

Low energy antiproton facilities and beam instrumentation developments.

Manchester, UK, Physics Seminar (01.12.2010)

Research activities in the QUASAR group.

Darmstadt, Germany, GSI Atomic Physics Seminar

(27.08.2010)

Development of beam instrumentation for particle accelerators.

Tokyo, Japan, RIKEN (20.05.2010)

Winckler, N.:

Orbital electron capture decay studies of highly-charged ions.

NuSTAR Seminar, GSI Darmstadt, Germany (02.06.2010)

Wolf, A.:

Kalte Chemie mit schnellen Ionenstrahlen.

Seminar für Festkörperphysik, Kirchhoff-Institut für Physik, Universität Heidelberg, Germany (18.06.2010)

Cold Chemistry with Fast Ion and Electron Beam.

Institute of Theoretical Physics, Chinese Academy of Sciences, Beijing, China (06.09.2010)

Xia, K.:

Ground state cooling of nanomechanical resonators.

Heidelberg, Germany, University of Heidelberg, Physikalisches Institut, Quantum Optics and Quantum Information Group seminar (03.08.2010)

Lectures and Courses at Universities

Summer Semester 2009

- Aharonian, F. A.:**
Gamma Ray Astronomy.
Bad Honnef, DPG School on Astroparticle Physics.
- Blaum, K.:**
Vorlesung und Übung: Einführung in LaTeX.
Universität Heidelberg
- Blaum K., Litvinov, Y.:**
Vorlesung: Laserspektroskopie, Fallen und ihre Anwendungen.
Universität Heidelberg
- Dorn, A.:**
Fortgeschrittenenpraktikum II Betreuung.
Universität Heidelberg
- Evers, J.:**
Übungsgruppe: Physik II.
Universität Heidelberg
- Jochim, S.:**
Optics and Photonics.
Universität Heidelberg
Seminar: The Quantum Mechanics Solver.
Universität Heidelberg
- Keitel, C. H., Müller, C.:**
Oberseminar: Theoretische Quantendynamik.
Universität Heidelberg
- Knöpfler, K.T.:**
Detektorentwicklung und Datenanalyse für das GERDA Experiment.
Universität Heidelberg
- Lindner, M. and Rodejohann, W.:**
The Standard Model of Particle Physics II: Theory.
Universität Heidelberg
- Moshhammer, R.:**
Dynamik atomarer und molekularer Reaktionen.
Universität Heidelberg
- Müller, C., Pálffy, A.:**
Theoretische Atomphysik.
Universität Giessen
- Müller, C.:**
Übungsgruppe: Experimental Physics II.
Universität Heidelberg
- Schmelling, M.:**
Quantenchromodynamik.
Technische Universität Dortmund (Blockkurs)
- K. Simeonidis:**
Tutorial "Fortgeschrittenenpraktikum"
Universität Heidelberg
- Ullrich, J.:**
Seminar: Atomic Physics: Structure and Dynamics.
Universität Heidelberg
- Voss, H.:**
Multivariate Data Analysis and Machine Learning in High Energy Physics.
Universität Zürich (Blockkurs)
- Wolf, A. with Weidemüller, M.:**
Lecture Course: Optics and Photonics.
Universität Heidelberg

Winter Semester 2009/2010

- Aharonian, F. A.:**
Frontiers in High Energy Astrophysics.
Jerusalem, Israel, 27th Jerusalem Winter School in Theoretical Physics
40th Saas-Fee Lecture Series: Astrophysics at Very High Energies.
Les Diablerets, Switzerland
- Blaum K.:**
Vorlesung: Experimentalphysik III.
Universität Heidelberg
Advanced Seminar on Stored and Cooled Ions
Universität Heidelberg
- Blaum K., Litvinov, Y.:**
Vorlesung: Laserspektroskopie, Fallen und ihre Anwendungen.
Universität Heidelberg
- Blaum, K., Wolf, A.:**
Graduate Seminar (Oberseminar): Physics with Stored and Cooled Ions.
Universität Heidelberg / MPIK
- de Ona Wilhelmi, E.:**
VHE Astronomy.
International School on Particle Acceleration, Nagoya, Japan, Universe at Nagoya University
- Dorn, A.:**
Fortgeschrittenenpraktikum II Betreuung.
Universität Heidelberg
Oberassistent Übung PEP3.
Universität Heidelberg
- Evers, J.:**
Quantum Optics.
Universität Heidelberg
- Jochim, S.:**
Übungen Experimentalphysik 1, Koordination.
Universität Heidelberg
Seminar: Ultrafast meets Ultracold: Experiments with short laser pulses and cold atoms.
Universität Heidelberg
Seminar: Quark Gluon Plasma & Cold Atoms.
Universität Heidelberg
Winterschule Graduate School "Ultracold gases: Extremely dilute, but strongly correlated".
Obergurgl, Austria
- Keitel, C. H., Di Piazza, A.:**
Oberseminar: Theoretische Quantendynamik.
Universität Heidelberg
The Quantum Vacuum.
Universität Heidelberg
- Kirk, J. G., Rieger, F., with Meisenheimer (MPA), Wagner (LSW):**
Sources of high-energy radiation.
Universität Heidelberg
- Knöpfler, K. T.:**
Detektorentwicklung und Datenanalyse für das GERDA Experiment.
Universität Heidelberg
Physikalisches Praktikum für Anfänger I
Universität Heidelberg

- Krätschmer, W.:**
Kohlenstoff-Nanostrukturen Teil 1.
Universität Heidelberg
- Lindner, M. and Rodejohann, W.:**
Aktuelle Themen der Astroteilchenphysik: Theorie und Experiment.
Universität Heidelberg
- Litvinov Y., Wolf, A.:**
Lecture Course: Physics with Stored and Cooled Ions.
Universität Heidelberg
- Müller, C.:**
Übungsgruppe: Experimental Physics I.
Universität Heidelberg
- Pfeifer, T.:**
Graduate Days Lecture Series: Attosecond Flashes of Light: Illuminating Electronic Quantum Dynamics.
Universität Heidelberg
Graduate Seminar (Oberseminar): Attosecond Physics and Quantum Control with Intense Laser Fields.
Universität Heidelberg / MPIK
HGSFP Winterschool Lecture: Quantum Dynamics and Control of Atoms, Molecules and Electrons on Attosecond Time Scales.
Universität Heidelberg, Universitätszentrum Obergurgl
- Pfeifer, T., Simeonidis, K., Jochim, S.:**
Undergraduate Seminar (Seminar für mittlere Semester): Ultrafast meets Ultracold: Experiments with short laser pulses and cold atoms.
Universität Heidelberg
- Schmelling, M.:**
CP-Verletzung und die Physik schwerer Quarks.
Technische Universität Dortmund (Blockkurs)
Statistische Datenauswertung.
Universität Siegen (Blockkurs)
- Schwetz-Mangold, T.:**
Dunkle Materie
Universität Heidelberg
- K. Simeonidis:**
Tutorial "Fortgeschrittenenpraktikum"
Universität Heidelberg
- Ullrich, J.:**
Seminar: Atomic Physics: Structure and Dynamics.
Universität Heidelberg
- Welsch, C. P.:**
Phys481, Introduction to Accelerator Physics.
Phys259, Practical Physics.
University of Liverpool
Einführung in die Physik und Technologie von Teilchenbeschleunigern.
Universität Heidelberg
- Di Piazza, A.:**
Quantum Electrodynamics.
Universität Heidelberg
- Dorn, A.:**
Fortgeschrittenenpraktikum II Betreuung.
Universität Heidelberg
- Evers, J.:**
Visualizing Quantum Mechanics.
Universität Heidelberg
- Fischer, D.:**
Übungen zur Vorlesung Experimentalphysik IV
Universität Heidelberg
- Jochim, S.:**
Übungen Experimentalphysik 2, Koordination.
Universität Heidelberg
Seminar: Die Natur des Photons.
Universität Heidelberg
Seminar: Quark Gluon Plasma & Cold Atoms.
Universität Heidelberg
- Keitel, C. H., Di Piazza, A.:**
Oberseminar: Theoretische Quantendynamik.
Universität Heidelberg
- Kirk, J. G., Rieger, F., with Wagner (LSW):**
Active Galactic Nuclei.
Universität Heidelberg
- Knöpfle, K. T.:**
Detektorentwicklung und Datenanalyse für das GERDA Experiment.
Universität Heidelberg
- Krätschmer, W.:**
Kohlenstoff-Nanostrukturen Teil 2.
Universität Heidelberg
- Lindner, M. and Rodejohann, W.:**
Aktuelle Themen der Astroteilchenphysik: Theorie und Experiment.
Universität Heidelberg
- Litvinov, Y., Wolf, A.:**
Vorlesung: Physics with Stored and Cooled Ions.
Universität Heidelberg
- Moshammer, R.:**
Exercise course in Physik IV.
Universität Heidelberg
- Müller, C.:**
Übungsgruppe: Experimental Physics II.
Universität Heidelberg
- Pfeifer, T.:**
Übungen zur Experimentalphysik IV (PEP4).
Universität Heidelberg
Graduate Seminar (Oberseminar): Attosecond Physics and Quantum Control with Intense Laser Fields.
Universität Heidelberg / MPIK
- Pfeifer, T., Jochim, S., Weidemüller, M.:**
Undergraduate Seminar (Seminar für mittlere Semester): Die Natur des Photons.
Universität Heidelberg
- K. Simeonidis:**
Tutorial "Fortgeschrittenenpraktikum"
Universität Heidelberg
- Ullrich, J.:**
Seminar: Atomic Physics: Structure and Dynamics.
Universität Heidelberg

Summer Semester 2010

- Blaum, K.:**
Advanced Seminar on Stored and Cooled Ions
Universität Heidelberg
- Blaum, K., Pálffy, A.:**
Vorlesung: Atom-Laser Wechselwirkung in Fallen.
Universität Heidelberg
- Crespo López-Urrutia, J., Ullrich, J.:**
Advanced Atomic and Molecular Physics.
Universität Heidelberg

Voss, H.:
Modern Techniques in Statistics and Data Analysis.
Universität Heidelberg (XXIV Graduiertentage)

Wolf, A.:
Übungen zur Experimentalphysik IV (PEP4).
Universität Heidelberg

Winter Semester 2010/2011

Akhmedov, E.:
Neutrino Oscillations in Quantum Mechanics and Quantum Field Theory.
Lisbon, Portugal, Instituto Superior Tecnico, Universidade Tecnico de Lisboa (12.10-19.10.2010)

Blaum, K.:
Vorlesung: Experimentalphysik III.
Universität Heidelberg
Advanced Seminar on Stored and Cooled Ions
Universität Heidelberg

Blaum, K., Wolf, A.:
Graduate Seminar (Oberseminar): Physics with Stored and Cooled Ions.
Universität Heidelberg / MPIK

Britsch, M.:
Tutorial for experimental physics 3, optics, quantum physics and quantum statistics, for 3rd semester students.
Universität Heidelberg

Crespo López-Urrutia, J., Ullrich, J.:
Advanced Atomic and Molecular Physics.
Universität Heidelberg

Di Piazza, A.:
Übungsgruppe: Experimental Physics I.
Universität Heidelberg

Dorn, A.:
Fortgeschrittenenpraktikum II Betreuung.
Universität Heidelberg
Oberassistent Übung PEP3.
Universität Heidelberg

Evers, J.:
Light-Matter Interactions.
Universität Heidelberg

Fischer, D.:
Übungen zur Vorlesung Experimentalphysik I
Universität Heidelberg

Jochim, S.:
Übungen Experimentalphysik 2, Koordination.
Universität Heidelberg

Keitel, C. H., Di Piazza, A.:
Oberseminar: Theoretische Quantendynamik.
Universität Heidelberg

Kirk, J. G., Rieger, F., with Wagner (LSW):
Sources of high-energy radiation.
Universität Heidelberg

Knöpfle, K. T.:
Detektorentwicklung und Datenanalyse für das GERDA Experiment.
Universität Heidelberg
Physikalisches Praktikum für Anfänger I
Universität Heidelberg

Lindner, M. and Rodejohann, W.:
The Standard Model of Particle Physics II: Theory.
Universität Heidelberg

Moshhammer, R., Pfeifer, T., Weidemüller, M.:
Advanced Student Seminar: Modern Topics in Atomic, Molecular and Optical Physics.
Universität Heidelberg

Müller, C.:
Gruppentheorie für Physiker.
Universität Heidelberg

Pfeifer, T.:
Graduate Seminar (Oberseminar): Attosecond Physics and Quantum Control with Intense Laser Fields.
Universität Heidelberg / MPIK

K. Simeonidis:
Tutorial "Fortgeschrittenenpraktikum"
Universität Heidelberg

Ullrich, J.:
Seminar: Atomic Physics: Structure and Dynamics.
Universität Heidelberg

Welsch, C. P.:
Introduction to Accelerator Physics. Practical Physics.
University of Liverpool

Wolf, A.:
Übungen zur Experimentalphysik III (PEP3).
Universität Heidelberg

Jointly Organized Conferences and Workshops

- Argonne National Lab, USA, Workshop on Evolution and Control of Complexity: Key Experiments Using Sources of Hard X-rays, Co-Chair, Panel "Nonlinear X-ray Science & Hard X-ray Quantum Optics" (11.10.-13.10.2010)
J. Evers
- Bad Honnef, Germany, Accelerator and High Energy Physics (05.07.-09.07.2009)
C. P. Welsch
- Bern, Switzerland, 1. ISS workshop (18. 01.-22.01.2010)
S. Kempf, J. Schmidt (Potsdam University)
- Bern, Switzerland, 2. ISS workshop (14.06.-18.06.2010)
S. Kempf, J. Schmidt (Potsdam University)
- Bonn, Germany, DPG Fruehjahrstagung, parallel session Neutrino Physics (Theory) (15.03.2010-19.03.2010)
Rodejohann, W.
- CERN Theory Institute nuTheME: Neutrino Theory, Models, and Experimental perspectives, CERN, Geneva, Switzerland (13.09.-21.09.2010)
Schwetz-Mangold, T.
- Dresden, Germany, Focus Workshop on Key Experiments with X-ray Pulses from the Perspective of Theory (MOLX09) (10.09.-12.09.2009)
J. Ullrich, J. M. Rost, I. Schlichting, L. Strüder
- Dresden, Germany, Focus Workshop on Molecules under X-ray Pulses (MOLX10) (15.11.-17.11.2010)
S. Techert, J. Ullrich, J. M. Rost
- Geneva, Switzerland, CERN, 2nd Workshop on MVA (09.07.2009)
M. Schmelling
- Glasgow, UK, MPI@LHC 2010: 2nd International Workshop on Multiple Partonic Interactions at the LHC (29.11.-03.12.2010)
M. Schmelling
- Heidelberg, Germany, 25th TEXAS Symposium on Relativistic Astrophysics (06.12.-12.12.2010)
F. A. Aharonian, W. Hofmann, F. Rieger
- Heidelberg, Germany, 2nd Heidelberg Workshop on High-Energy Gamma-rays and Neutrinos from Extra-Galactic Sources (13.01.-16. 01.2009)
E. Resconi
- Heidelberg, Germany, 2nd IMPRS for Quantum Dynamics Symposium (14.10.2010)
C. H. Keitel, C. Müller
- Heidelberg, Germany, Beauty'09 Conference (07.09.-11.09.2009)
M. Schmelling
- Heidelberg, Germany, High Energy Gamma Rays and Neutrinos from Extragalactic sources, (13.01.-16.01.2009)
F. A. Aharonian, E. Resconi
- Heidelberg, Germany, Nuclei in the Cosmos (NIC) XI (19.07.-23.07.2010)
K. Blaum
- Heidelberg, Germany, TSR@ISOLDE Workshop (29.-30.10.2010)
K. Blaum
- Heidelberg, Germany, Variable Galactic Sources Workshop (30.11.-03.12.2010)
F. A. Aharonian, V. Bosch Ramon, D. Khangulyan
- Heidelberg, Germany, Workshop on Learning from Astroparticle, Underground, Neutrino Physics and Cosmology (LAUNCH09) (09.11.-12.11.2009)
E. Akhmedov, A. Berneiser, C. Buck, M. Lindner, W. Rodejohann, S. Schoenert, T. Schwetz-Mangold, H. Simgen, G. Zuzel
- Hirschberg, Germany, Low Energy, Low Intensity Beam Profile Measurements (24.11.-25.11.2009)
C. P. Welsch
- Höchst i. O., Germany, Accelerator Science and Technology (05.09.-09.09.2010)
C. P. Welsch
- Hohenwart, Germany, Accelerator Science and Technology (06.09.-10.09.2009)
C. P. Welsch
- Istanbul, Turkey, Shape-Phase Transitions Workshop (16.09.-18.09.2009)
B. Cakirli
- Kazan, Russia, International Conference on Coherent and Nonlinear Optics (ICONO 2010)/International Conference on Lasers, Applications, and Technologies (LAT 2010), LAT Symposium on Extreme Light Technologies (23.08.-26.08.2010)
C. H. Keitel
- Kreuth, Germany, Schloss Ringberg, International Workshop on "Science with FELs – from first results to future perspectives" (14.03.-17.03.2010)
J. Ullrich, I. Schlichting
- Kreuth, Germany, Schloss Ringberg, The GeV to TeV Connection: Science at 10 GeV to 100 GeV (11.01.-16.01.2009)
F. A. Aharonian, W. Hofmann, S. Wagner, F. Rieger, M. Raue
- Liverpool, UK, International School on Complementary Skills (15.03.-19.03.2010)
C. P. Welsch
- Otranto, Italy, Neutrino Oscillation Workshop (NOW2010), parallel session Messengers of New Physics (04.09.2010-11.09.2010)
Lindner, M., Rodejohann, W.
- Reykjavik, Iceland, PARA 2010 State of the Art in Scientific and Parallel Computing, Minisymposium: Real-Time Access and Processing of Large Data Sets (06.06.-09.06.2009)
M. Schmelling
- Riezlern, Austria, 30. Arbeitstagung Energiereiche Atomare Stöße (EAS) (08.02.-13.02.2009)
J. Ullrich, J. M. Rost
- Riezlern, Austria, 31. Arbeitstagung Energiereiche Atomare Stöße (EAS) (01.02.-04.02.2010)
J. Ullrich, J. M. Rost
- Riezlern, Austria, Quark-Gluon Plasma meets Cold Atoms - Episode II (03.08.-08.08.2009)
S. Jochim
- Tokyo, Japan, ISAS, Exploring Supernova Remnants and Pulsar Wind Nebulae in X-rays (18.02-19.02.2010)
F. A. Aharonian, A. Bamba
- Warrington, UK, Longitudinal Beam Profile Measurements in Accelerators and Light Sources (12.07.-13.07.2010)
C. P. Welsch

Habilitations

Müller, C.: Laser-induced high-energy processes in atomic, nuclear, and particle physics. Habilitation, Ruprecht-Karls Universität, Heidelberg (2009).

Srama, R.: Cassini-Huygens and beyond - tools for dust astronomy. Habilitation, Universität Stuttgart, Stuttgart (2009).

Dissertations

Barnabé Heider, M.: Performance and stability tests of bare high purity germanium detectors in liquid argon for the GERDA experiment. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg (2009).

Blum, A. S.: Dihedral Flavor Symmetries. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg, Germany (2009).

Boie, H.-H.: Bremsstrahlung Emission Probability in the α Decay of ^{210}Po . Doktorarbeit, Ruprecht-Karls Universität, Heidelberg (2009).

Budjás, D.: Germanium detector studies in the framework of the GERDA experiment. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2009).

Bühler, R.: Two exceptional flares of the active galaxy PKS 2155-304 at very high energy γ -rays and their implications on blazar and fundamental physics. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg, Germany (2009).

Dworschak, M. G.: First direct mass measurements on nobelium and lawrencium with the Penning trap mass spectrometer SHIPTRAP. Doktorarbeit, Johannes-Gutenberg-Universität, Mainz (2009).

Egberts, K.: The Energy Spectrum of Cosmic-Ray Electrons Measured with H.E.S.S.. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg (2009).

Fleischhaker, R.: Light propagation in dense and chiral media. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg (2009).

George, S.: First Ramsey-type mass measurements with ISOLTRAP and design studies of the new PENTATRAP project. Doktorarbeit, Johannes-Gutenberg-Universität, Mainz (2009).

Hetzheim, H.: Ionization and bound-state relativistic quantum dynamics in laser-driven multiply charged ions. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2009).

Hoffmann, J.: Ionic fragmentation channels in electron collisions of small molecular ions. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg, Germany (2009).

Kopp, J.: New Phenomena in Neutrino Physics. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg, Germany (2009).

Krantz, C.: Intense electron beams from GaAs photocathodes as a tool for molecular and atomic physics. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2009).

Kreim, S. W.: Direct observation of a single proton in a Penning trap. Towards a direct measurement of the proton g -factor. Doktorarbeit, Johannes-Gutenberg-Universität, Mainz (2009).

Kremer, M.: Einfluß der Träger-Einhüllenden-Phase auf die Wechselwirkung ultrakurzer Laserpuls mit Molekülen.

Doktorarbeit, Ruprecht-Karls Universität, Heidelberg (2009).

Maciuc, F.: Software Alignment of the LHCb Inner Tracker Sensors. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg (2009).

Merle, A.: The mysteries of Leptons : new physics and unexplained phenomena. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg (2009).

Reichl, U.: Messungen von Aerosol-Vorläufergasen im Abgas moderner Diesel-Kraftfahrzeugmotoren. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg, Germany (2009).

Ruf, M.: Numerical studies of pair creation in counterpropagating laser fields. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg (2009).

Ruggenthaler, M.: Time-Dependent Density Functional Theory for Intense Laser-Matter Interaction. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg (2009).

Senftleben, A.: Kinematically complete study on electron-impact ionisation of aligned hydrogen molecules. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg (2009).

Shahbaz, A.: Muonic Atoms in Super-Intense Laser Fields. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg, Germany (2009).

Warring, U.: Laser Spectroscopy on Os^- : A Prerequisite for the Laser Cooling of Atomic Anions. Doktorarbeit, Ruprecht-Karls Universität, Heidelberg (2009).

Diploma and Master Theses

Bastert, R.: Erzeugung kurzer Ionenpulse in einem Speicherring. Diplom, Ruprecht-Karls Universität, Heidelberg (2009).

Böhm, C.: Setup of a carbon-cluster laser ion source and the application of the invariance theorem at ISOLTRAP. Diplom, Johannes-Gutenberg-Universität, Mainz (2009).

Egberts, J.: Investigations on transverse beam profile measurements with high dynamic range. Diplom, Ruprecht-Karls Universität, Heidelberg (2009).

Eibach, M.: Characterization of a carbon aerosol generator in a helium gas-jet for the extraction of fission products from the research reactor TRIGA Mainz. Diplom, Johannes-Gutenberg-Universität, Mainz (2009).

Fischer, A.: Laser Spectroscopy on the Negative Osmium Ion. Diplom, Ruprecht-Karls Universität, Heidelberg (2009).

Gast, R.: Investigating systematics in the energy reconstruction of the H.E.S.S. telescopes. Diplom, Ruprecht-Karls Universität, Heidelberg (2009).

Gulfam, Q.-u.-A.: Measurement of Distance and Orientation of Two Atoms in Arbitrary Geometry. Master, Ruprecht-Karls-Universität, Heidelberg (2009).

Higgins, S.: Implementation of a Deceleration Beamline for the Investigation of Charge Exchange Processes using Highly Charged Ions. Master, Imperial College, London, United Kingdom (2009).

Hofrichter, C.: A stereo electron spectrometer for carrier-envelope phase measurements of few-cycle laser pulses. Diplom, Ruprecht-Karls Universität, Heidelberg (2009).

- Ketter, J.:** Verbesserungen der Ionennachweissysteme des Präzisions-Penningfallen-Massenspektrometers TRIGA-TRAP. Diplom, Johannes-Gutenberg-Universität, Mainz (2009).
- Knuth, K.:** Aufbau eines breitbandigen FT-ICR-Nachweissystems für TRIGA-TRAP. Diplom, Johannes-Gutenberg-Universität, Mainz (2009).
- Lindemann, S.:** Reinigung und Nachweis von Edelgasen mit miniaturisierten Proportionalzählrohren. Diplom, Ruprecht-Karls Universität Heidelberg, Heidelberg (2009).
- Mackenroth, K. F.:** Multiphoton COMPTON scattering in ultra-short laser pulses. Diplom, Ruprecht-Karls-Universität, Heidelberg (2009).
- Menk, S.:** A Cryogenic Trap for Fast Ion Beams. Diplom, Ruprecht-Karls Universität, Heidelberg (2009).
- Müller, S.:** Elektron-Positron-Paarzeugung durch Multiphotonen-Absorption im Stoß eines relativistischen Myons mit einem hochfrequenten Laserstrahl. Diplom, Ruprecht-Karls-Universität, Heidelberg (2009).
- Müller, T.-O.:** Spin-Effekte bei der Multiphotonen-Paarzeugung. Diplom, Ruprecht-Karls-Universität, Heidelberg (2009).
- Rosa, A.:** Berechnungen der Ionenoptik und Aufbau einer temperaturstabilisierten Spannungsquelle für das PEN-TATRAP-Experiment. Diplom, Ruprecht-Karls Universität, Heidelberg (2009).
- Schömers, C.:** Untersuchungen zur Magnetfeldregelung an normal-leitenden Synchrotronen. Diplom, Ruprecht-Karls Universität, Heidelberg, Germany (2009).
- Schürholz, M.:** Pump-Probe Experimente an Molekülen mit intensiven Laserpulsen. Diplom, Ruprecht-Karls Universität, Heidelberg, Germany (2009).
- Schug, M.:** Aufbau und Test einer phasensensitiven Laserfrequenz-Langzeitstabilisierung an COLLAPS. Diplom, Johannes-Gutenberg-Universität, Mainz (2009).
- Schwarz, M.:** Photoionisation von neonartigem Argon in einer Elektronenstrahl-Ionenfalle. Diplom, Ruprecht-Karls Universität, Heidelberg (2009).
- Simmat, E.:** Infrared Properties of the Halo, Bulge and Disk of the Edge-On Galaxy NGC 7814. Diplom, Ruprecht-Karls Universität, Heidelberg (2009).
- Sperl, A. G.:** Erzeugung und Charakterisierung ultrakurzer Lichtimpulse für die Generation Hoher Harmonischer Strahlung. Diplom, Ruprecht-Karls Universität, Heidelberg (2009).
- Toppin, M.-A.:** Pump-Probe-Messungen an N₂-Molekülen am Freie-Elektronen-Laser FLASH in Hamburg. Diplom, Ruprecht-Karls-Universität, Heidelberg (2009).
- Weber, M.:** Experimente zum Entwurf einer Detektorabschirmung für ein neues Gamma-Spektrometer. Diplom, Ruprecht-Karls-Universität, Heidelberg (2009).
- Wenz, A. N.:** Few-Body Physics in a Three-Component Fermi Gas. Diplom, Ruprecht-Karls Universität, Heidelberg, Germany (2009).
- Zürn, G.:** Realization of an Optical Microtrap for a Highly Degenerate Fermi Gas. Diplom, Ruprecht-Karls Universität, Heidelberg (2009).

Habilitation

Di Piazza, A.: Strong-field CED and QED in intense laser fields. Habilitation, Ruprecht-Karls-Universität, Heidelberg (2010).

Dissertations

Adulpravitchai, A.: A possible solution of the flavor problem and radiative neutrino masses. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Bing, D.: Untersuchungen zur Mehrstufen-Laserspektroskopie an gespeicherten H_3^+ -Molekülonen. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Fischer, B.: Time resolved studies of H_2^+ dissociation with phase-stabilized laser pulses. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Froese, M. W.: A cryogenic electrostatic ion trap and first experiments on delayed emission of aluminium anion clusters and self-bunching. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Ginzel, R.: Wechselwirkung niederenergetischer hochgeladener Ionen mit Materie. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Gopal, R.: Electron Wave Packet Interferences in Ionization with Few-Cycle Laser Pulses and the Dissociative Photoionization of D_2 with Ultrashort Extreme Ultraviolet Pulses. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Hohenegger, A.: Finite Density Aspects of Leptogenesis. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Hsu, H.-W.: Dynamics of Jovian and Saturnian stream particles. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Ketelaer, J.: The construction of Triga-Trap and direct high-precision Penning trap mass measurements on rare-earth elements and americium. Doktorarbeit, Johannes-Gutenberg-Universität, Mainz (2010).

King, B. J.: Vacuum polarisation effects in intense laser fields. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Kubicek, K.: Absolut- und Relativbestimmungen der Energien von 2p-1s-Übergängen in wasserstoff-, helium- sowie lithiumartigen Schwefel-, Argon- und Eisenionen. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Mäckel, V.: Laserspektroskopie hochgeladener Ionen an der Heidelberger Elektronenstrahl-Ionenfalle. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Mendes, M. B.: Molecular fragmentation by recombination with cold electrons studied with a mass sensitive imaging detector. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Natale, G.: Dust emission and star formation of the Stephan's Quintet compact group of galaxies. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Neidherr, D.: Nuclear structure studies in the xenon and radon region and the discovery of a new radon isotope by Penning trap mass spectrometry. Doktorarbeit, Johannes-Gutenberg-Universität, Mainz (2010).

Nekrassov, D.: A detailed study of the H.E.S.S. data from the galactic center region. Doktorarbeit, Ruprecht-Karls-Universität Heidelberg, Heidelberg (2010).

Niro, V.: Indirect detection of Dark Matter with neutrinos. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Ohm, S.: Development of an advanced gamma/hadron separation technique and application to particular gamma-ray sources with H.E.S.S.. Doktorarbeit, Ruprecht-Karls-Universität Heidelberg, Heidelberg (2010).

Ottenstein, T. B.: Few-body physics in ultracold Fermi gases. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Postavaru, O.: Strong-field relativistic processes in highly charged ions. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Sestayo de la Cerra, Y.: Search for high energy neutrinos from our galaxy with IceCube. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Simon, M. C.: Photoionisation hochgeladener Ionen durch weiche Röntgenstrahlung in einer Elektronenstrahl-Ionenfalle. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Zacharopoulou, O.: On the Origin of the Unusually Hard γ -ray Spectra of TeV Blazars. Doktorarbeit, Ruprecht-Karls-Universität, Heidelberg (2010).

Diploma and Bachelor Theses

Brunner, F. R.: Entwurf und Aufbau einer kryogenen, linearen Paulfalle für hochgeladene Ionen. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).

Donath, A.: Modelling Galactic Gamma-ray source populations. Bachelor, Ruprecht-Karls-Universität, Heidelberg (2010).

Fink, D.: The ISOLTRAP Laser-Ablation Ion Source and Q-Value Determination of the ^{110}Pd Double Beta Decay. Diplom, Johannes-Gutenberg-Universität, Mainz (2010).

Fischer, A.: Erzeugung und Dispersionskontrolle von Femtosekundenlaserimpulsen. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).

Georgi, S.: Untersuchungen zur Totschicht von BEGe-Dektoren im Rahmen des GERDA Experiments. Bachelor, Ruprecht-Karls-Universität, Heidelberg (2010).

Hahn, J.: Modelling the inverse compton emission from pulsar wind nebulae. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).

Haser, J. A.: Die Datennahmekette des Double Chooz Experiments und ihre Komponenten - Eigenschaften der Photomultiplier und der Frontend-Elektronik. Diplom, Ruprecht-Karls-Universität Heidelberg, Heidelberg (2010).

Heck, R.: Erzeugung hoher Harmonischer durch Interferenz freier Elektronenwellenpakete / Charakterisierung und Einrichtung eines Toroidalspiegels. Bachelor, Ruprecht-Karls-Universität, Heidelberg (2010).

Herpich, J.: Testing a Single-CCD-Concept for the H.E.S.S. II Pointing. Bachelor, Ruprecht-Karls-Universität, Heidelberg (2010).

- Hettmansperger, H.:** KeV sterile neutrino warm dark matter in gauge extensions of the standard model. Diplom, Ruprecht-Karls Universität Heidelberg, Heidelberg (2010).
- Hillert, A.:** Modeling the galactic diffuse gamma-ray emission. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Höcker, M.:** Untersuchungen zum Ionentransfer im UW/ MPIK Doppel-Penningfallen Experiment. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Holzwarth, M.:** Kinematically complete study on Positron impact ionization of Helium. Diplom, Ruprecht-Karls Universität, Heidelberg (2010).
- Kahlhöfer, F.:** Sensitivity of Liquid Xenon Detectors for Low Mass Dark Matter. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Klinkhamer, V.:** Konzepte für einen Fragmentdetektor für Umladungsexperimente im CSR. Bachelor, Ruprecht-Karls-Universität, Heidelberg (2010).
- Kronberg, N.:** Zero-Point Energies in Cosmology. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Marschar, A.:** Messung und Kontrolle der Träger-Einhüllenden-Phase von ultrakurzen Laserpulsen. Bachelor, Ruprecht-Karls-Universität, Heidelberg (2010).
- Meuren, S.:** Radiative corrections to electron states in intense laser fields. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Mrowczynski, P.:** Konstruktion und Inbetriebnahme eines Flugzeit-Spektrometers für Ionen in Ladungsaustausch-Reaktionen an der Heidelberg-EBIT. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Nordhorn, C.:** Dissociative recombination of deuterated formyl cations. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Prieß, M.:** Aktive Intensitätsstabilisierung eines Femtosekunden-Lasersystems. Bachelor, Ruprecht-Karls-Universität, Heidelberg (2010).
- Reis, W.:** Neutralization of aluminium cluster anions by laser induced delayed emission in an electrostatic ion trap. Bachelor, Ruprecht-Karls-Universität, Heidelberg (2010).
- Ries, M. G.:** A magneto-optical trap for the preparation of a three-component Fermi gas in an optical lattice. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Schlegel, I.:** Ultra-short time scale physics (simulations and experimental methods) / Technical implementation of a laser monitoring and beam shutting system. Bachelor, Ruprecht-Karls-Universität, Heidelberg (2010).
- Schmidt, D.:** Neutrinos and Dark Matter Within an Extended Zee-Babu Model. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Schmidt-May, A. M.:** RIDE across the Universe. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Schmitz, F.:** Schottky Diagnostics at the Heavy Ion Cooler Storage Ring TSR. Bachelor, Ruprecht-Karls Universität, Heidelberg (2010).
- Schönhals, A.:** Fast decay of highly excited SF_6^- cluster anions with the CTF. Bachelor, Ruprecht-Karls-Universität, Heidelberg (2010).
- Schönwald, M.:** Phase-matched few-cycle high-harmonic generation: ionisation gating and half-cycle cutoffs. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Sell, M.:** Entwicklung, Aufbau und Test eines ortsempfindlichen Teilchendetektors zur Untersuchung von Stößen zwischen Ionen und lasergekühlten Atomen. Bachelor, Ruprecht-Karls Universität, Heidelberg (2010).
- Sellner, S.:** Real-Time Imaging of the Annihilation Vertex Distributions for Antiprotons Stopping in Biological Targets. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Simon, P.:** Apparatus for the preparation of ultracold Fermi gases. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Steinbrügge, R. F.:** Weiterentwicklung eines Geschwindigkeits filters zur Beobachtung ladungsändernder Prozesse hochgeladener Ionen. Diplom, Ruprecht-Karls-Universität, Heidelberg (2010).
- Voge, M.:** Time-dependent search for astrophysical neutrinos from microquasar Cygnus X-3 using IceCube and AMANDA. Diplom, Universität Hamburg, Hamburg (2010).
- Wagner, S.:** Ionization Quenching by Low Energy Electrons in the Double Chooz Scintillators. Diplom, Ruprecht-Karls Universität, Heidelberg (2010).

Institutional Collaborations

A Reaction Microscope for Positron Collisions:

Center for Antimatter Matter Studies (CAMS), Canberra (Australia)

An EBIT for Charge Breeding of Radioactive Isotopes:

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Attosecond Transient Absorption Spectroscopy:

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MPQ Garching (Germany)
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Borexino at LNGS:

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BAS, Sofia (Bulgaria)
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DAAD: Multi-wavelength observations of dark sources from radio to TeV energies:
 IFAE, Barcelona (Spain)

DAAD: The Radio Emission from Supernova 1987A:
 University of Western Australia (Australia)

DFG-DST Joint Project 'Neutrinos as Precision Probes of Particle Physics, Cosmology and Astrophysics':
 Harish-Chandra Research Institute (India)

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Armagh Obs Armagh (Ireland)
ASI Roma (Italy)
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DLR Berlin (Germany)
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GIF: Physics of Pulsar Wind Nebulae:

Ben-Gurion University, Beer Sheva (Israel)

GLOBES:

Fermilab (USA)
Virginia Tech, Blacksburg (USA)
Universität Würzburg (Germany)

H.E.S.S.:

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University of Namibia Windhoek (Namibia)
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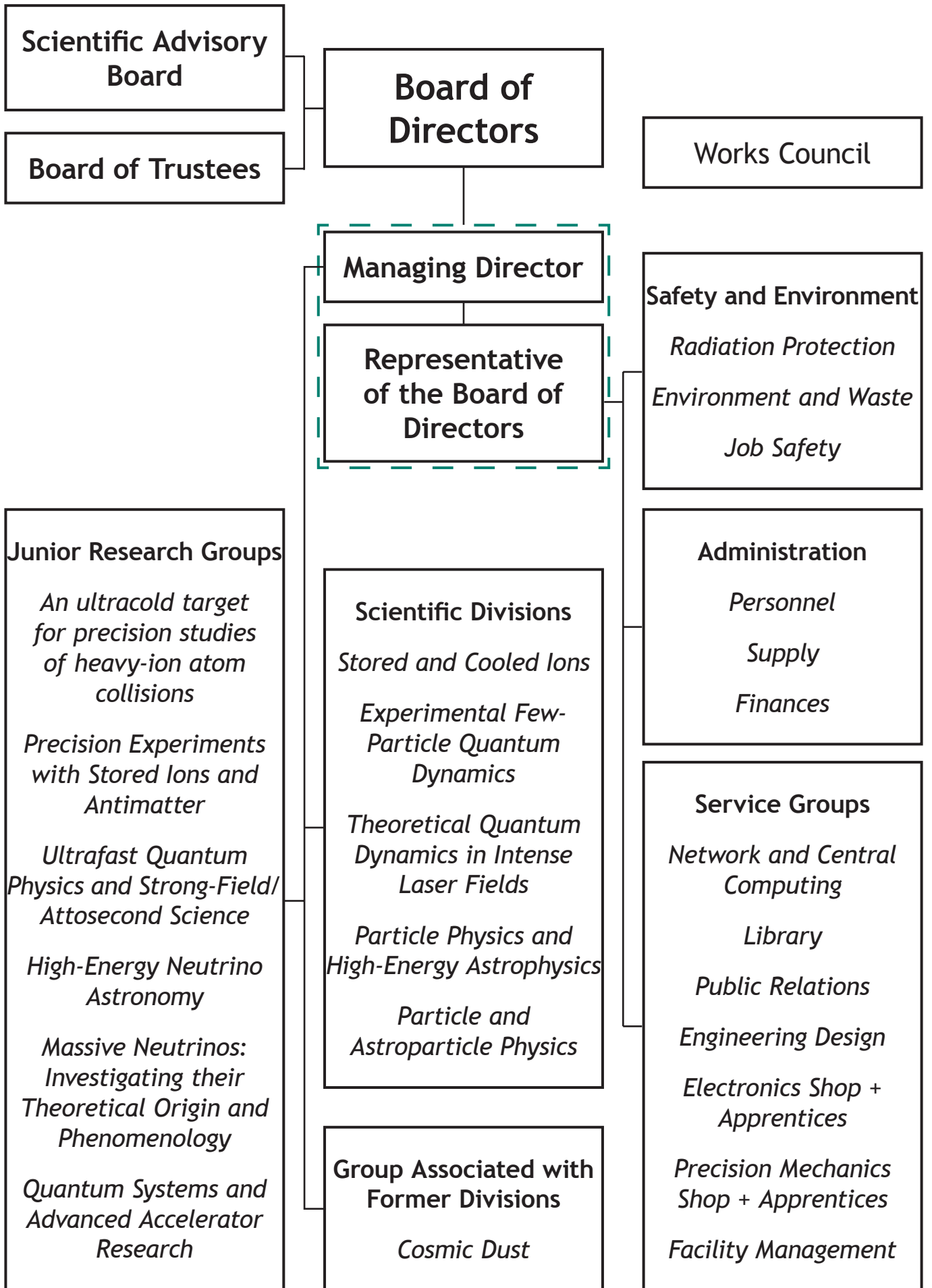
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