

Program of LAUNCH for Wednesday, 21 March

all talks include 5 minutes discussion

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| | Session I – Cosmology <i>Chairman: Till Kirsten</i> |
| 09:00 – 09:10 | Welcome <i>M. Lindner</i> |
| 09:10 – 09:45 | Dark Energy <i>C. Wetterich</i> |
| 09:45 – 10:20 | Neutrinos in the Universe <i>S. Hannestad</i> |
| 10:20 – 10:55 | Leptogenesis, low energy CP violation and lepton flavor violation <i>S.T. Petcov</i> |
| 10:55 – 11:25 | Coffee break |
| | Session II – Cosmology/Dark Matter <i>Chairman: Stefan Schönert</i> |
| 11:25 – 12:00 | Cryogenic Dark Matter experiments <i>J. Jochum</i> |
| 12:00 – 12:35 | Dark Matter experiments with noble gases <i>L. Baudis</i> |
| 12:35 – 13:10 | Learning from WIMPs <i>M. Drees</i> |
| 13:10 – 14:30 | Lunch break |
| | Session III – Dark Matter/Neutrinos I <i>Chairman: Emmanuel Paschos</i> |
| 14:30 – 15:05 | Gravitino Dark Matter at LHC and GLAST <i>W. Buchmüller</i> |
| 15:05 – 15:40 | Solar neutrino experiments and GALLEX/GNO <i>T. Kirsten</i> |
| 15:40 – 16:15 | KamLAND and solar neutrinos <i>S. Yoshida</i> |
| 16:15 – 16:45 | Coffee break |
| | Session IV – Neutrinos II <i>Chairwoman: Marianne Göger-Neff</i> |
| 16:45 – 17:05 | Status of Borexino <i>H. Simgen</i> |
| 17:05 – 17:40 | Searching for dark matter sterile neutrino in laboratory <i>M. Shaposhnikov</i> |
| 17:40 – 18:15 | Neutrino cross section experiments <i>A. Blondel</i> |
| 18:15 – 18:50 | Neutrino cross section calculations <i>E.A. Paschos</i> |

Program of LAUNCH for Thursday, 22 March

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| | Session V – Weighing Neutrinos <i>Chairman: Wolfgang Hampel</i> |
| 09:00 – 09:25 | NEMO-3 results and SuperNEMO project <i>X. Sarazin</i> |
| 09:25 – 09:50 | GERDA and Majorana <i>K.-T. Knöpfle</i> |
| 09:50 – 10:15 | Cuoricino and Cuore <i>C. Bucci</i> |
| 10:15 – 10:40 | Predictions for and implications of $0\nu\beta\beta$ <i>W. Rodejohann</i> |
| 10:40 – 11:10 | break |
| | Session VI – Weighing Neutrinos II <i>Chairman: Frank Hartmann</i> |
| 11:10 – 11:35 | Double electron capture and muon capture experiments <i>V.G. Egorov</i> |
| 11:35 – 11:50 | Limit on the radiative 0ν ECEC of ^{36}Ar <i>M. Barnabe-Heider</i> |
| 11:55 – 12:25 | Majorana neutrino spectroscopy and measuring relic neutrino <i>M. Yoshimura</i> |
| 12:25 – 14:00 | Lunch break |
| | Session VII – Weighing Neutrinos/Astroparticle Aspects <i>Chairman: Manfred Lindner</i> |
| 14:00 – 14:35 | Nuclear matrix elements for $0\nu\beta\beta$ and 0ν ECEC <i>F. Simkovic</i> |
| 14:35 – 15:10 | KATRIN and MARE <i>C. Weinheimer</i> |
| 15:10 – 15:45 | Neutrino telescopes: from infancy to maturity <i>C. Spiering</i> |
| 15:45 – 16:05 | Multimessenger Physics with Icecube <i>E. Resconi</i> |
| 16:05 – 16:30 | Coffee break |
| | Session VIII – Astroparticle Aspects/Neutrino Theory I <i>Chairman: Christian Spiering</i> |
| 16:30 – 17:05 | HESS <i>W. Hofmann</i> |
| 17:05 – 17:40 | Neutrinos and supernovae <i>G.G. Raffelt</i> |
| 17:40 – 18:15 | Neutrinos in GUTs <i>R.N. Mohapatra</i> |
| 18:15 – 18:35 | Discrete flavor symmetries <i>C. Hagedorn</i> |
| 19:30 – XX:YY | Social dinner |

Program of LAUNCH for Friday, 23 March

all talks include 5 minutes discussion

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| | Session IX – Neutrinos IV <i>Chairman:</i> Kam-Biu Luk |
| 09:00 – 09:35 | Current and future LBL experiments <i>C. Hagner</i> |
| 09:35 – 10:10 | LAGUNA <i>L. Oberauer</i> |
| 10:10 – 10:30 | Low background techniques applied in experiments looking for rare events <i>G. Zuzel</i> |
| 10:30 – 11:00 | Coffee break |
| | Session X – Neutrino Theory II <i>Chairman:</i> Berthold Stech |
| 11:00 – 11:20 | Physics potential of LBL experiments <i>J. Kopp</i> |
| 11:20 – 11:55 | 3-flavor and matter effects <i>E.K. Akhmedov</i> |
| 11:55 – 12:15 | Resonant leptogenesis <i>T. Underwood</i> |
| 12:15 – 12:35 | Comparison of Boltzmann kinetics with quantum dynamics <i>M.M. Müller</i> |
| 12:35 – 14:00 | Lunch break |
| | Session XI – Neutrinos V <i>Chairman:</i> Gerd Heusser |
| 14:00 – 14:35 | Status of DayaBay <i>K.-B. Luk</i> |
| 14:35 – 15:10 | Status of DoubleChooz <i>C. Buck</i> |
| 15:10 – 15:30 | Directional sensitivity in DoubleChooz <i>K.A. Hochmuth</i> |
| 15:30 – 16:00 | Coffee break |
| | Session XII – Neutrinos VI <i>Chairman:</i> Rabindra Mohapatra |
| 16:00 – 16:35 | Recoilless resonant emission and capture of anti-neutrinos <i>W. Potzel</i> |
| 16:35 – 16:55 | Non-standard interactions at neutrino factories <i>T. Ota</i> |
| 16:55 – 17:15 | Renormalization of neutrino parameters <i>M.A. Schmidt</i> |
| 17:15 – 17:50 | Status and interpretation of neutrino mixing <i>A. Yu. Smirnov</i> |
| 17:50 – 18:00 | Final words <i>M. Lindner</i> |