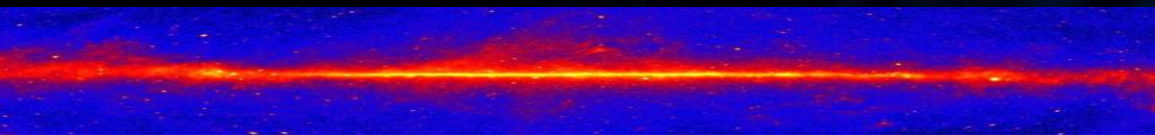


An initiative for the low-energy precision-physics and quantum information community, organized during the COVID-19 shutdown

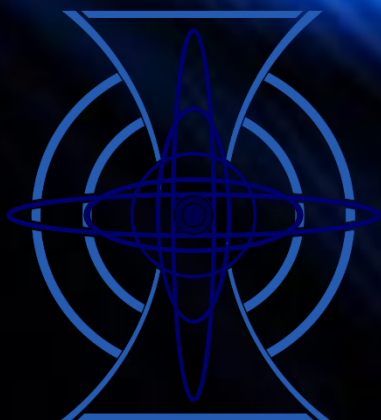


2020

Virtual Seminar on Precision Physics and Fundamental Symmetries

Confirmed Speakers

Klaus Blaum, Dima Budker, Stefan Eriksson,
Hartmut Häffner, Jeff Hangst, Laurent Hilico,
Jonathan Home, Masaki Hori, Klaus Kirch,
Christian Ospelkaus, Ekkehard Peik, Randolph Pohl,
Stephan Schiller, Piet Schmidt, Anna Soter, Mike
Tarbutt, Stefan Ulmer

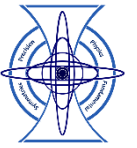
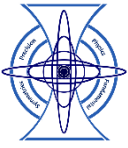


Coordinates:

Virtual Seminar, Kickoff: 2020/03/31

Two Seminars per week – Tuesday / Thursday – 90 min

Details: <https://indico.cern.ch/category/12183/>



List of Confirmed Speakers

Klaus Blaum, Dima Budker, Stefan Eriksson, Hartmut Häffner, Jeff Hangst, Laurent Hilico, Jonathan Home, Masaki Hori, Klaus Kirch, Christian Ospelkaus, Ekkehard Peik, Randolph Pohl, Stephan Schiller, Piet Schmidt, Anna Soter, Mike Tarbutt, Stefan Ulmer

Preliminary Seminar Program (in progress)

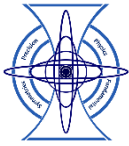
Date	Speaker	Affiliation	Title
03/31 10:30	Christian Ospelkaus	PTB/Hannover	Towards a Small-Scale Trapped-Ion Quantum Processor Based on Near-Field Microwave Quantum Logic Gates
04/02 16:00	Dima Budker	HIM/PRISMA	News from the Dark Side
04/07 14:00	Klaus Kirch	ETH-Z/PSI	Ultracold Neutrons and the Neutron Electric Dipole Moment
04/09 16:00	Hartmut Häffner	Berkeley	Coherent Control of Rotating Ion Strings: Towards Observing Quantum Statistics in a New Regime
04/14 10:30	Piet Schmidt	PTB	Quantum Logic Spectroscopy of Highly Charged Ions for Optical Clocks and Tests of Fundamental Physics
04/16 16:00	Klaus Blaum	MPI-K	Precision Mass Measurements for Nuclear and Neutrino Physics Studies
04/21 10:30	Stefan Ulmer	RIKEN	Tests of Fundamental Symmetries with Single Particles in Penning Traps
04/23 10:30	Masaki Hori	MPQ	Laser spectroscopy of antiprotonic and pionic helium atoms
04/28			
04/30			
05/05	Stefan Eriksson	Swansea	Testing Fundamental Physics in Antihydrogen Experiments
05/07			
05/12			
05/14			
05/19			
05/21			
05/26			
05/28			

to be continued....

Organizers: Christian Ospelkaus, Klaus Blaum, Stefan Ulmer

Website: <https://indico.cern.ch/category/12183/>

For any feedback contact stefan.ulmer@cern.ch



Seminar on Precision Physics and Fundamental Symmetries



Comment

This virtual seminar is an initiative for the precision physics and quantum information community and will be organized during the COVID-19 shutdown.

The seminar will address specific topics of the fields of precision measurements, tests of fundamental symmetries and quantum information.

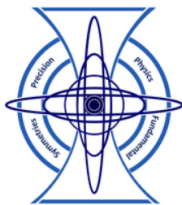
Starting from 2020/03/31, two seminars per week will be offered, which will take place Tuesday and Thursday, for each seminar 90 minutes are allocated. The time slots of the seminars are defined by the speakers and therefore flexible, participants, please check the program on indico <https://indico.cern.ch/category/12183/>

Slides will be provided on INDICO, it is planned to stream the event via "zoom".

Updates

Work in progress, for continuous updates please check the seminar website: <https://indico.cern.ch/category/12183/>

Seminar on Precision Physics and Fundamental Symmetries

[Create event](#)

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There are 7 events in the future. [Hide](#)

April 2020

- 23 Apr **Masaki Hori, "Laser spectroscopy of antiprotonic and pionic helium atoms"** [NEW](#)
- 21 Apr **Stefan Ulmer, "Tests of Fundamental Symmetries with Single Particles in Penning Traps"** [NEW](#)
- 16 Apr **Klaus Blaum, "Precision Mass Measurements for Nuclear and Neutrino Physics Studies"** [NEW](#)

Organizers: Christian Ospelkaus, Klaus Blaum, Stefan Ulmer

Website: <https://indico.cern.ch/category/12183/>

For any feedback contact stefan.ulmer@cern.ch