

Sunday	Monday (Feb. 2)	Tuesday (Feb. 3)	Wednesday (Feb. 4)	Thursday (Feb. 5)	Friday (Feb. 6)
Start: 9-9:30 max 2h50	<b>9:30-11:30</b> <b>Peter Mohr:</b> Introduction (40+10) <b>Rydberg constant (spectroscopy)</b> <b>François Nez,</b> Hydrogen spectroscopy (40+10) <b>Vladimir Yerokhin,</b> On the status of the two-loop self-energy calculations (10+5)	<b>9:00-11:20</b> <b>Fine structure constant</b> <b>Makiko Nio,</b> QED tenth-order contribution to the electron g-2 and a new value of the fine structure constant (40+10) <b>Elise Novitski,</b> Measuring the Electron and Positron Magnetic Moments to Test the Standard Model's Most Precise Prediction (40+10) <b>Vladimir Yerokhin,</b> Fine and hyperfine structure of helium atom (30+10)	<b>9:20-11:30</b> <b>Planck and Avogadro constants</b> <b>Stephan Schlamminger,</b> A measurement of h using a watt balance (40+10) <b>Barry Wood,</b> Improved Determination of the Planck Constant at NRC (40+10) <b>Ali Eichenberger,</b> The METAS watt balance Mark II: Progress report (20+10)	<b>9:30-11:30</b> <b>Gravitational constant</b> <b>Clive Speake,</b> The Newtonian Constant of Gravitation (40+10) <b>Hsien-Chi Yeh,</b> Current Progress of Measurement of the Newtonian Gravitational Constant at HUST (40+10)	<b>9:20-10:50</b> <b>Evaluation of atomic and nuclear parameters</b> <b>Meng Wang,</b> Atomic mass evaluation (40+10) <b>Susanne Kreim,</b> Nuclear parameters from mass measurements at ISOLTRAP (30+10)
	Coffee break (11:30-12:00)	Coffee break (11:20-11:50)	Coffee break (11:30-12:00)	Coffee break (11:30-12:00)	Coffee break (10:50-11:30)
	<b>12:00-14:10</b> <b>Randolf Pohl,</b> Laser spectroscopy of muonic atoms and ions (40+10) <b>Savely Karshenboim,</b> Theory of the Lamb shift of muonic hydrogen (40+10) <b>Michael Birse,</b> Proton polarisability contribution to the Lamb shift in muonic hydrogen (20+10)	<b>11:50-13:40</b> <b>Eric Hessels,</b> Precise measurements of the n=2 triplet P fine structure of helium for a determination of the fine-structure constant (20+10) <b>Pierre Cladé ,</b> Determination of the fine structure constant using atom interferometry : status of the experiment of Paris (40+10) <b>Shau-Yu Lan,</b> Measuring h/m_Cs and the fine structure constant by atom interferometry with large enclosed area (20+10)	<b>12:00-13:30</b> <b>Giovanni Mana,</b> The x-ray crystal-density determination of the Avogadro constant (40+10) <b>Enrico Massa,</b> Lattice parameter measurement for the determination of the Avogadro constant (30+10)	<b>12:00-13:50</b> <b>Christian Rothleitner,</b> Newton's Gravitational Constant 'Big' G: A proposed Free-fall Measurement (20)  <b>Ania Kwiatkowski,</b> Precision measurements of nuclear properties at TRIUMF (30+10)  <b>QED effects</b> <b>Ingo Uschmann,</b> Towards the Detection of Vacuum birefringence in strong electromagnetic fields (20+5) <b>Tobias Gassner,</b> Lamb-shift of heavy highly charged ions by X-ray spectroscopy (20+5)	<b>11:30-13:40</b> <b>Positronium</b> <b>Michael Eides,</b> Theory of Hyperfine Splitting in in Muonium and Positronium (40+10) <b>Akira Ishida,</b> New precise measurement of the hyperfine splitting of positronium (20+10)  <b>David Newell: Closing remarks (40+10)</b>
	Lunch (14:10-15:15)	Lunch (13:40-14:45)	Lunch (13:30-14:40)	Lunch (13:50-15:00)	Lunch (13:40-15:00)
	<b>15:15-17:05</b> <b>Proton radius (scattering)</b> <b>John Arrington,</b> Extraction of the proton charge radius from electron-proton scattering (40+10)	<b>14:45-16:30</b> <b>François Piquemal,</b> Determinations of the fine structure constant in electrical metrology (40+10) <b>Electron-to-proton mass</b>	<b>14:40-16:40</b> <b>Boltzmann constant</b> <b>Michael de Podesta,</b> Reflections on the NPL determination of the Boltzmann Constant(40+10)	<b>15:00-16:30</b> <b>Magnetic moments</b> <b>Nick Stone,</b> Tabulation of nuclear magnetic dipole and electric quadrupole moments:problems and present status (40+10)	

	<b>Michael Distler</b> , The determination of the proton radius from electron-scattering data (40+10)	<b>ratio</b> <b>Wolfgang Quint</b> , Improved determination of the electron mass in atomic mass unit (40+10)	<b>Laurent Pitre</b> , Determination of the Boltzmann constant using a large quasi-spherical acoustic resonator (30+10) <b>Inseok Yang</b> , Comparison between the mass spectroscopic measurement and speed-of-sound measurement of the argon mass in k determination (10) <b>Jintao Zhang</b> , Determination of the Boltzmann Constant by the Acoustic Differential-Cylindrical Procedure (10) <b>Roberto Gavioso</b> , A measurement of the molar gas constant by acoustic gas thermometry in helium (10)	<b>Andreas Mooser</b> , The magnetic moments of the proton and the antiproton (40+10)	
	Coffee break (17:05-17:35)	Coffee break (16:30-17:00)	Coffee break (16:40-17:10)	Coffee break (16:30-17:00)-	
	<b>17:35-19:10</b> <b>Ulf-G. Meißner</b> , Dispersion relations and the proton radius (30+10) <b>Ingo Sick</b> , Electron scattering from light nuclei (40+10)	<b>17:00-19:30</b> <b>Vladimir Shabaev</b> , Theory of bound-electron g-factor in highly charged ions (40+10) <b>Masaki Hori</b> , Determination of the [anti]proton-to-electron mass ratio by laser spectroscopy of metastable antiprotonic helium (40+10) <b>Vladimir Korobov</b> , Electron-to-(anti)proton mass ratio from spectroscopy of antiprotonic helium and hydrogen isotope molecular ions. Theory (40+10)	<b>17:10-19:20</b> <b>Christof Gaiser</b> , Determination of the Boltzmann constant at PTB (30+10) <b>Joachim Fischer</b> , The International Temperature Scale and the new definition of the kelvin (40+10) <b>Livio Gianfrani</b> , Spectroscopic determination of the Boltzmann constant (30+10)	<b>17:00-19:20</b> <b>Anomalous magnetic moment of muon</b> <b>Ivan Logashenko</b> , Measurement of anomalous magnetic moment of muon at Fermilab (30+10) <b>Marc Vanderhaeghen</b> , Hadronic corrections to the muon's (g-2): a status update (40+10) <b>Ivan Logashenko</b> , Contribution of the hadronic vacuum polarization to g-2 of muon and recent results from VEPP2000 e+e- collider (30+10)	
Reception	Dinner (19:30-21:00)	Social dinner (19:30-21:00)	Dinner (19:30-21:00)	Dinner (19:30-21:00)	

**Posters:**

**Axel Beyer**, Measurement of the 1S-2S Transition Frequency in Atomic Hydrogen

**Lothar Maisenbacher**, Precision Spectroscopy of Atomic Hydrogen for a new determination of the Rydberg constant and the proton charge radius

**Sheng Feng**, Using Two-Photon Spectroscopy to Measure Rydberg Constant (cancelled)

**Evgeny Korzinin**, Recoil proton-finite-size contribution to the Lamb shift in muonic hydrogen

**Mikhail Gorshteyn**, Nuclear polarizability correction in light muonic atoms: dispersion approach

**Franziska Hagelstein**, Effects of proton structure in hydrogen

**Marc Diepold**, The muHe Lamb shift experiment

**Marco Wiesel**, ARTEMIS: Bound-Electron g-Factor Measurements by Double-Resonance Spectroscopy

**Olivier Thevenot**, The LNE Thompson-Lampard Calculable Capacitor

**Stephan Schlamming**, A first determination of h with NIST-4

**Thomas Matthieu**, First determination of the Planck constant using the LNE watt balance

**Bing Han**, Magnetic Circuit for the Joule Balance Experiment at NIM

**Li Zhengkun**, The determination of the Planck constant by the Joule Balance at the NIM

**Barry Wood**, A Planck constant determination using and the NRC watt balance

**Barry Wood**, Noise reduction in and the NRC watt balance

**Giovanni Mana**, Accuracy assessment of the measurement of the  $^{28}\text{Si}$  lattice parameter

**Enrico Massa** (for IAC), An improved measurement of the Avogadro constant

**Roberto Gavioso**, A measurement of the molar gas constant by acoustic gas thermometry in helium (cancelled)

**Jintao Zhang**, Determination of the Boltzmann Constant by the Acoustic Differential-Cylindrical Procedure

**Kazuaki Yamazawa**, Progress in the Boltzmann-constant measurement at MNIJ/AIST

**Livio Gianfrani**, Spectroscopic determination of the Boltzmann constant at UniNa2

**Andreas Mooser**, The magnetic moments of the proton and the antiproton

**Natalia Zubova**, Relativistic calculations of the isotope shifts in highly charged ions