ECT* Workshop on the Proton Radius Puzzle

October 29 - November 2, 2012 Trento, Italy

Time	Monday Oct. 29	Tuesday Oct. 30	Wednesday Oct. 31	Thursday Nov. 1	Friday Nov. 2
9:00 – 10:30	**Randolf Pohl** (35+10) *(1) Welcome* *(2) News from μp and μd*	**Ingo Sick** (35+10) *Proton rms-radius and tail of density*	**Andrei Afanasev** (35+10) *Radiative corrections and two-photon effects for lepton-nucleon scattering*	**Krzysztof Pachucki** (35+10) *Directions toward the resolution of the proton charge radius puzzle*	**Edith Borie** (35+10) *Muon-proton Scattering*
	Ronald Gilman (35+10) *JLab Experiment E08-007: Proton Electromagnetic Form Factor Ratio at Low Q^2*	**John Arrington** (35+10) *Extracting the proton radius from low Q^2 electron/muon scattering*	**Judith A. McGovern** (35+10) *Proton polarisability contribution to the Lamb shift in muonic hydrogen at fourth order in chiral perturbation theory*	**Philippe Brax** (35+10) *Atomic Precision Tests and Light Scalar Couplings*	**Vince Sulkosky** (25+5) *Elastic μp Scattering at the Paul Scherrer Institute*
10:30 – 11:00	*coffee break*				
11:00 – 12:30	**Jan C. Bernauer** (35+10) *The Mainz high-precision proton form factor measurement I. Overview and results*	**Gil Paz** (35+10) *Model independent extraction of the proton charge radius from electron scattering*	**Vladimir Pascalutsa** (35+10) *Nucleon Polarizabilities and Muonic Hydrogen Lamb Shift*	**Maxim Pospelov** (35+10) *Extension of the Standard Model by muon-specic forces*	**Michael I. Eides** (35+10) *Weak Interaction Contributions in Light Muonic Atoms*
	Michael O. Distler (35+10) *The Mainz high-precision proton form factor measurement II. Basic principles and spin-offs*	**Keith Griffioen** (35+10) *How well can a nuclear charge radius be measured with low-Q^2 electron scattering data?*	**Gerald A. Miller** (35+10) *Proton Polarizability Contribution: Muonic Hydrogen Lamb Shift and Elastic Scattering*	**Carl E. Carlson** (35+10) *New Physics and the Proton Radius Problem*	**Andrea Vacchi** (25+5) *1S hyperfine splitting in muonic hydrogen*
12:30 – 14:30	*lunch break*				
14:30 – 16:00	**Stefan Krieg** (35+10) *lattice QCD*	**Michael C. Birse** (35+10) *Issues with determining the proton radius from elastic electron scattering*	**Mikhail Gorchtein** (35+10) *Hadronic contributions to Lamb shift in muonic deuterium*	**Richard J. Hill** (35+10) *Model independent analysis of proton structure for hydrogenic bound states*	
	Itay Yavin (35+10) *Muonic hydrogen and MeV forces*	**Ina T. Lorenz** (35+10) *The size of the proton - closing in on the radius puzzle*	**Sophie S. Schlesser** (35+10) *Nuclear polarizability contribution to the Lamb shift in muonic helium*	**Axel Beyer** (35+10) *Atomic Hydrogen 2S-nP Transitions and the Proton Size*	
16:00 – 16:30	*coffee break*				
16:30 – 18:00	**Eric A. Hessels** (25+5) *Progress towards a new separated-oscillatory-field microwave measurement of the atomic hydrogen n=2 Lamb shift*	**Jonathan D. Carroll** (35+10) *Non-perturbative QED spectrum of Muonic Hydrogen*	**Michael Kohl** (25+5) *The OLYMPUS experiment at DESY*	**Ashot Gasparian** (25+5) *A Novel High Precision Measurement of the Proton Charge Radius via ep Scattering Method*	
	Kjeld S.E. Eikema (25+5) *XUV frequency comb spectroscopy of helium and helium$^+$ ions*		**Brian Raue** (25+5) *Hall B 2-gamma experiment*	**Karl J. Slifer** (25+5) *The Jefferson Lab g_2^p Experiment*	
	Nicholas D. Guise (25+5) *Towards One-electron Ions in Rydberg States for a Rydberg Constant Determination Independent of the Proton Radius*	**Paul Indelicato** (35+10) *Muonic hydrogen theory*		**Dmitry A. Solovyev** (25+5) *Multiphoton processes in atomic physics and astrophysics*	