

2nd ECT* Workshop on the Proton Radius Puzzle

June 19-25, 2016 Trento, Italy **Version 3**

Sunday, June 19, 20:00, Pizza Dinner: Ristorante-Pizzeria Green Tower, Via Torre Verde 29.

Time	Monday June 20	Tuesday June 21	Wednesday June 22	Thursday June 23	Friday June 24
9:00 – 10:30	<p>(9:15) Ron, Jerry, Randolph ⁽¹⁰⁾ <i>Welcome</i></p> <p>Julian Krauth ⁽³⁵⁺¹⁰⁾ <i>Muonic deuterium</i></p>	<p>Gerald A. Miller ⁽³⁵⁺¹⁰⁾ <i>Electrophobic Scalar Boson and Muonic Puzzles</i></p> <p>John Ralston ⁽³⁵⁺¹⁰⁾ <i>The Muon Experimental Anomalies Are Explained by a New Interaction Proportional to Charge</i></p>	<p>Eric A. Hessels ⁽³⁵⁺¹⁰⁾ <i>Determining the Proton Charge Radius from Electron-Proton Scattering and from Hydrogen Spectroscopy</i></p> <p>Kjeld S.E. Eikema ⁽³⁵⁺¹⁰⁾ <i>Precision deepUV Ramsey-comb spectroscopy of H₂ and prospects for 1S-2S excitation of He-ions</i></p>	<p>Marc Diepold ⁽³⁵⁺¹⁰⁾ <i>News from muonic Helium: Theory status and results</i></p> <p>Chen Ji ⁽³⁵⁺¹⁰⁾ <i>Nuclear Structure Contributions to Lamb shift in Light Muonic Atoms</i></p>	<p>Toshimi Suda ⁽³⁵⁺¹⁰⁾ <i>e+p project at ultra-low Q² in Japan</i></p> <p>Ashot Gasparian ⁽³⁵⁺¹⁰⁾ <i>The PRad Experiment at Jefferson Lab</i></p>
10:30 – 11:00	<i>coffee break</i>				
11:00 – 12:30	<p>M. Mihovilović ⁽³⁵⁺¹⁰⁾ <i>The Initial state radiation experiment at MAMI</i></p> <p>Ingo Sick ⁽³⁵⁺¹⁰⁾ <i>Proton rms-radius: recent determinations from (e,e)</i></p>	<p>Krzysztof Pachucki ⁽³⁵⁺¹⁰⁾ <i>Toward the absolute nuclear charge radius determination from the spectra of light atomic and molecular systems</i></p> <p>V.A. Yerokhin ⁽³⁵⁺¹⁰⁾ <i>Nuclear recoil effect in the Lamb shift of hydrogen and light hydrogen-like ions</i></p>	<p>Joan M. Dreiling ⁽³⁵⁺¹⁰⁾ <i>Progress Towards Generating Rydberg State, One-Electron Ions</i></p> <p>Lothar Maisenbacher ⁽³⁵⁺¹⁰⁾ <i>Precision spectroscopy of the 2S-4P transition in atomic hydrogen</i></p>	<p>Carl E. Carlson ⁽³⁵⁺¹⁰⁾ <i>Two-photon exchange corrections to the Lamb shift in muonic helium</i></p> <p>Antonio Pineda ⁽³⁵⁺¹⁰⁾ <i>The Lamb shift in muonic hydrogen and the proton radius from effective field theories</i></p>	<p>Randolf Pohl ⁽³⁵⁺¹⁰⁾ <i>CREMA++: Future experiments with muons, and more</i></p>
13:00 – 14:30	<i>lunch break</i>				
14:30 – 16:00	<p>Jan C. Bernauer ⁽³⁵⁺¹⁰⁾ <i>Why I believe that proton scattering gives a big radius</i></p> <p>Douglas Higinbotham ⁽³⁵⁺¹⁰⁾ <i>Statistical Modeling of Electron Scattering Data</i></p>	<p style="text-align: center;">Excursion <i>Ferrari Spumante Cellars</i></p>	<p>Michael Kohl ⁽³⁵⁺¹⁰⁾ <i>TREK/E36 @ J-PARC: Investigating lepton universality with stopped kaon decays</i></p> <p>Andrea Vacchi ⁽³⁵⁺¹⁰⁾ <i>Muonic hydrogen ground state hyperfine splitting - towards the high precision measurement</i></p>	<p>Gil Paz ⁽³⁵⁺¹⁰⁾ <i>Addressing the Proton Radius Puzzle Using QED-NRQED Effective Field Theory</i></p> <p>Franziska Hagelstein ⁽³⁵⁺¹⁰⁾ <i>Proton Structure in the Hyperfine Splitting of Muonic Hydrogen</i></p>	
16:00 – 16:30	<i>coffee break</i>				
16:30 – 18:00	<p>Evangeline Downie ⁽³⁵⁺¹⁰⁾ <i>MUSE Overview</i></p> <p style="text-align: center;">Short Talks / Discussions</p>		Short Talks / Discussions	Short Talks / Discussions	