

Special Seminar
MPQ/LMU

Date: Friday, December 4, 2015

Time: 2 p.m., sharp (s.t.)

Presentation: Professor Dr. Guy Ron
Associate Professor, Hebrew University of Jerusalem
Research Assistant Professor,
George Washington University

Title: The Proton Radius –Old Measurements and New Ideas

Location: Audience Hall
MPQ

Division of Laserspectroscopy, Director Professor Theodor W. Hänsch

Abstract

The Proton Radius – Old Measurements and New Ideas

Professor Guy Ron

The radius of the proton, generally assumed to be a well measured and understood quantity has recently come under scrutiny due to highly precise, yet conflicting, experimental results. These new results have generated a host of interpretations, none of which are completely satisfactory.

I will discuss the existing results, focusing on the discrepancy between the various extractions. I will briefly discuss some theoretical attempts at resolution and focus on new scattering measurements, both planned and already underway, that are attempting to resolve the puzzle.