

Session Program

9-14 Jun 2019



International Conference on Precision Physics and Fundamental Physical Constants (FFK-2019)

Session 7: Fundamental constants, atomic properties

Balaton Limnological Research Institute of the Hungarian Academy of Sciences
H-8237 Tihany, Klebelsberg Kuno str. 3, Hungary

Wednesday 12 June

09:00

Session 7: Fundamental constants, atomic properties

Session |

Location: Balaton Limnological Research Institute of the Hungarian Academy of Sciences , H-8237 Tihany, Klebelsberg Kuno str. 3, Hungary |

Convener: Krzysztof Pachucki

09:00–09:30

New quantum SI units and fundamental constants

Speaker

Savely Karshenboim

09:30–10:00

The hydrogen $n=2$ Lamb shift (and the proton size) and helium $n=2$ fine structure (and the fine-structure constant)

Speaker

E. A. Hessels

10:00–10:30

High-Precision Measurement of the Deuteron's Atomic Mass

Speaker

Sascha Rau

10:30–11:00

Coffee break

11:00–11:30

Precision measurements of the (anti)proton mass and magnetic moment by the BASE collaboration

Speaker

Wolfgang Peter Quint

11:30–12:00

Precise determinations of the strong coupling in lepton collisions

Speaker

Zoltan Laszlo Trocsanyi

12:00–12:20

Study of the valence electronic density distribution in $Z=112-120$ atoms

Speaker

M. Y. Kaygorodov

12:20–12:35

High-precision calculations of hydrogen molecule

Speaker

Michał Siłkowski

12:35