

Session Program

7-12 Jul 2024

Early Career Conference in Trapped Ions (ECCTI) 2024

Nuclear Physics

Viktor-Franz-Hess Haus, Hörsaal B (Technik)
Technikerstraße 25a, 6020 Innsbruck, Austria

Monday 8 July

09:20

Nuclear Physics

Session | **Location:** Viktor-Franz-Hess Haus, Hörsaal B (Technik), Technikerstraße 25a, 6020 Innsbruck, Austria | **Convener:** Dr Simon Lechner

09:20–09:42

Precision mass measurement of proton-dripline nucleus ^{22}Al and implications on suspected halo nature in the ground state

Speaker

Mr Scott Campbell

09:43–10:05

Towards Measurements of Electroweak Nuclear Properties using Single Molecular Ions in a Penning Trap

Speaker

Scott Moroch

10:05–10:30

Progress of the LMU $^{229\text{m}}\text{Th}^{3+}$ Trapped-Ion Nuclear Clock Project

Speakers

Georg Jakob Holthoff, Markus Wiesinger

10:30

Thursday 11 July

09:00

Nuclear Physics

Session | **Location:** Viktor-Franz-Hess Haus, Hörsaal B (Technik), Technikerstraße 25a, 6020 Innsbruck, Austria | **Convener:** Phillip Imgram

09:00–09:22

Status and Further Development of the Single Ion Penning Trap (SIPT) Mass Spectrometer

Speaker

Hannah Erington

09:23–09:45

The stacked-ring ion guide and MR-ToF MS developed for the NEXT experiment

Speaker

Marko Brajkovic

09:45–10:07

MIRACLS: Laser spectroscopy of radioactive isotopes in an MR-ToF device

Speaker

Anthony Roitman

10:08–10:30

Probing the nuclear magnetic octupole moment of trapped Sr ions

Speaker

Pierre Lassegues

10:30