

Session Program

7-12 Jul 2024

Early Career Conference in Trapped Ions (ECCTI) 2024

Antimatter

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

Tuesday 9 July

09:00

Antimatter

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

09:00–09:22

ALPHA-g data analysis: determining the gravitational acceleration of antihydrogen

Speaker

Danielle Louise Hodgkinson

09:23–09:45

Sympathetic cooling of a Be⁺ ion by a Coulomb crystal of Sr⁺ ions: a test bed for taming antimatter ions (GBAR)

Speaker

Derwell Drapier

09:45–10:07

Studies of highly charged ions formed using antiprotons at AEgIS

Speaker

Mr Valts Krumins

10:08–10:30

Towards a 10-fold improved measurement of the antiproton magnetic moment

Speaker

Bela Peter Arndt

10:30

Friday 12 July

09:00

Antimatter

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

09:00–09:27

Adaptable platform for trapped cold electrons, hydrogen and lithium anions and cations

Speaker

Levi Oliveira De Araujo Azevedo

09:27–09:54

Gravity experiments with magnetically confined antihydrogen in ALPHAg.

Speaker

Adam Powell

09:54–10:12

Hyperfine spectroscopy of antihydrogen with microwaves

Speaker

Alberto Jesus Uribe Jimenez

10:12–10:30

Towards an ion trap source of cold atomic hydrogen

Speaker

Nikolaos Efthymiadis

10:30