

Session Program

29 August 2022 to 2 September 2022



SSP2022

**8th International Symposium on Symmetries
in Subatomic Physics (SSP2022)**

Fundamental interactions

Monday 29 August

14:00

Fundamental interactions: Double beta-decay

Session | **Location:** University of Applied Arts Vienna Vordere Zollamtsstraße 7 1030 Vienna

14:00–14:25

Double-beta decay and test of fundamental symmetries

Speaker

Prof. Sabin Stoica

14:25–14:50

Final results of the neutrinoless double-beta decay search with GERDA

Speaker

Mr Mario Schwarz

14:50

Wednesday 31 August

14:30

15:00

Fundamental interactions: Neutrons

Session | **Location:** University of Applied Arts Vienna Vordere Zollamtsstraße 7 1030 Vienna | **Convener:** Hirohiko Shimizu

14:30–15:00

Gravity studies with neutrons

Speaker

Hartmut Abele

Thursday 1 September

11:00

Fundamental interactions: QED&QCD

Session | **Location:** University of Applied Arts Vienna Vordere Zollamtsstraße 7 1030 Vienna | **Convener:** Chiara Mariotti

11:00–11:30

The search for axion dark matter with a dielectric haloscope: MADMAX

Speakers

Bela Majorovits, Bela Alexander Majorovits

11:30–12:00

LUXE: A new experiment to study non-perturbative QED in electron-LASER and photon-LASER collisions

Speaker

Gianluca Sarri

12:00

13:30

Fundamental interactions: Masses

Session | **Location:** University of Applied Arts Vienna Vordere Zollamtsstraße 7 1030 Vienna | **Convener:** Ralf Lehnert

13:30–14:00

Origin of the Proton Mass

Speaker

Craig Roberts

14:00

Friday 2 September

09:00

Fundamental interactions: Lorentz invariance

Session | **Location:** University of Applied Arts Vienna Vordere Zollamtsstraße 7 1030 Vienna | **Convener:** Martin Simon

09:30

09:00–09:30

Symmetry tests with clocks

Speaker

Ekkehard Peik