

Session Program

29 August 2022 to 2 September 2022



SSP2022

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

Symmetries and Interactions

Tuesday 30 August

11:50

Symmetries and Interactions: QCD

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

11:50–12:20

Chiral symmetry breaking: Current experimental status and prospects

Speaker

Jan Friedrich

12:20

14:00

Symmetries and Interactions: QED

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

14:00–14:30

Penning trap precision experiments for fundamental physics

Speaker

Sven Sturm

14:30–15:00

Current status and latest results of the Mu-MASS experiment at PSI

Speaker

Paolo Crivelli

15:00

Wednesday 31 August

12:00

Symmetries and Interactions: Neutrinos

Session | **Location:** University of Applied Arts Vienna Vordere Zollamtsstraße 7 1030 Vienna | **Convener:** Prof. Livia Ludhova

12:00–12:30

Sterile neutrinos with the KATRIN Experiment, current status and prospects

Speaker

Anthony Onillon

12:30

16:00

Symmetries and Interactions: Magnetic moments

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

16:00–16:30

Measurement of the $\gamma\gamma$ process in Pb+Pb collisions and constraints on the τ -lepton anomalous magnetic moment with the ATLAS detector at LHC

Speaker

Vincenzo Cavasinni

16:30