

Session Program

Nov 7 - 11, 2022

DISCRETE 2022

BSM collider physics

Kongresshaus Baden-Baden
Augustaplatz 10, Baden-Baden, Germany Q65R+43 Baden-Baden

Tue, November 8

2:00 PM

BSM collider physics

Session | Location: Sitzungsraum 9 | Convener: Chair: Monika Blanke

14:00 – 14:15 Top quark physics with the ATLAS experiment at the LHC

Speaker
Marino Romano

14:15 – 14:30 Recent searches for new phenomena with the ATLAS detector

Speaker
Matteo Franchini

14:30 – 14:45 Features of the Weinberg 3HDM potential

Speaker
Prof. Per Osland

14:45 – 15:00

Dark Matter in S3-Symmetric Three-Higgs Doublet Model With Spontaneous CP Violation

Speaker
Anton Kuncinas

15:00 – 15:15

Search for New Resonance in the photon and jet final state using CMS data

Speaker
Jyoti Babbar

15:15 – 15:30

Near or Far Detectors? A Case Study for Long-Lived Particle Searches at Electron-Positron Colliders

Speaker
Finn Tillinger

3:30 PM

Wed, November 9

2:00 PM

BSM collider physics

Session | **Location:** Sitzungsraum 9 | **Convener:** Chair: Martin Lang

14:00 – 14:15 **Searching for new symmetries in the Higgs sector at ATLAS**

Speaker

Dominik Duda

14:15 – 14:30 **Higgs boson property measurements at the ATLAS experiment**

Speaker

Chara Kitsaki

14:30 – 14:45 **Higgs measurements from CMS**

Speaker

Nicolo Trevisani

14:45 – 15:00 **Top physics results from CMS**

Speaker

Mintu Kumar

15:00 – 15:15 **Single charged Higgs boson production at the LHC**

Speaker

Mr Mohamed Ouchemhou

15:15 – 15:30 **Charged Dark Matter in Supersymmetric Twin Higgs models**

Speaker

Michał Łukawski

3:30 PM

4:00 PM

BSM collider physics

Session | **Location:** Sitzungsraum 9 | **Convener:** Chair: Monika Blanke

16:00 – 16:15 **Spontaneous CP violation and the Strong CP problem**

Speaker

Alessandro Valenti

16:15 – 16:30 **Probing the early universe with displaced new physics at colliders**

Speaker

Sam Junius

16:30 – 16:45 **Photon-photon fusion and tau g-2 measurement**

Speaker

Kristof Schmieden

5:30 PM