

Session Program

August 31, 2020 to September 4, 2020

FIPs 2020 - Feebly Interacting Particles 2020

Feebly interacting vector particles

Wed, September 2

2:30 PM

Feebly interacting vector particles

Session | **Location:** Virtual Only | **Conveners:** Martin Bauer, Gaia Lanfranchi

2:30 – 3:00 PM

Early cosmology (BBN, re-ionisation, 21 cm) constraints on new (feebly-interacting) physics (covering vector, scalar, pseudo-scalar portals)

Speaker

Maxim Pospelov

3:00 – 3:30 PM

Search for LDM and Vector/ALPs mediators in the sub-GeV mass range at NA64, NA62, MESA, PADME.

Speaker

Sergei Gninenko

3:30 – 4:00 PM

LDM and mediator searches at B-factories (Belle-II, including BaBar and Belle results)

Speaker

Enrico Graziani

4:00 – 4:30 PM

coffee break

4:30 – 4:55 PM

Search for LDM and vector mediators at LHCb, ATLAS, CMS: status and prospects

Speaker

Philip Ilten

4:55 – 5:20 PM

Search for LDM and vector mediators at FASER, CODEX-b, SHiP, MATHUSLA

Speaker

Jakob Salfeld-Nebgen

5:20 – 5:50 PM

Search for LDM and vector mediators at accelerator-based experiments in US (HPS, BDX, Mini-Boone, LDMX,...)

Speaker

Timothy Knight Nelson

5:50 PM