

Session Program

August 31, 2020 to September 4, 2020

FIPs 2020 - Feebly Interacting Particles 2020

Feebly interacting scalar particles

Fri, September 4

2:30 PM

Feebly interacting scalar particles

Session | **Location:** Virtual Only | **Conveners:** Albert De Roeck, Jocelyn Rebecca Monroe

14:30 - 15:00 **Cosmology and particle phenomenology of feebly interacting scalars**

Speaker

Fedor Bezrukov

15:00 - 15:25 **Experimental constraints on the exotic Higgs width**

Speaker

Maria Cepeda

15:25 - 15:50

Direct searches for feebly-interacting dark scalars at the central detectors of the LHC: status and prospects

Speaker

Verena Ingrid Martinez Outschoorn

15:50 - 16:10 **coffee break**

16:10 - 16:30

Search for light feebly-interacting scalar particles at extracted beam lines (SeaQuest @ FNAL, NA62, SHiP,...)

Speaker

Joel Christopher Swallow

16:30 - 16:50

Prospects to search for light feebly-interacting scalar particles at MATHUSLA, CODEX-b, FASER, ANUBIS,

Speaker

David Curtin

16:50 - 17:20

Scalar portal and its connection to Higgs physics from a theory viewpoint

Speaker

stefania gori

5:20 PM