Welcome

LHC DM WG meeting, 28th July 2022

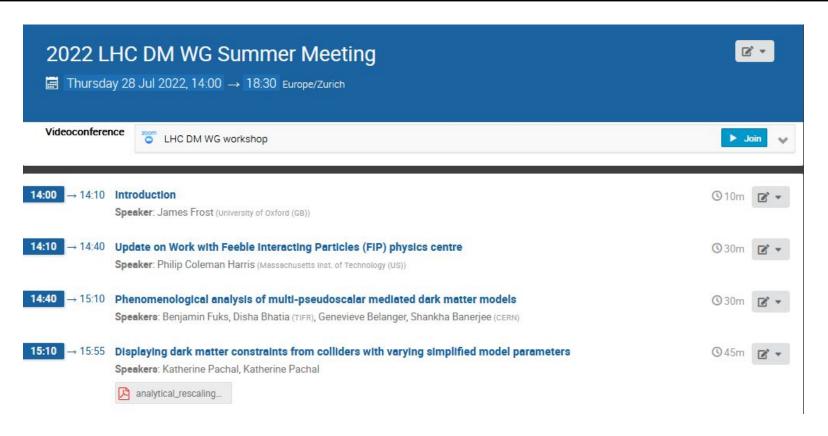


The <u>LHC DM WG</u>

- Defines DM search benchmarks and interpretations.
- Publishes white papers codifying these.
- Encourages and facilitate discussion across the LHC experiments and theory.
- Develop and follow relevant tools, and precision calculations for signals and backgrounds.
- Interfaces with theory and other experimental dark matter searches.

- Mailing lists:
 - <u>lhc-dmwq@cern.ch</u> low volume general list for announcements
 - o <u>lhc-dmwg-contributors@cern.ch</u> open for all subscribers to post
 - <u>Ihc-dmwg-admin@cern.ch</u> reach out to the convenors (ATLAS:
 James Frost, Spyros A; CMS: Phil Harris, Matteo Cremonesi; LHCb:
 Xabier Cid Vidal; Theory: Uli Haisch, Tim Tait)

Today's Agenda



Short summer meeting, focussed on important recent work exploring standard DM models and how to visualise our constraints

Next meeting and plans

- Next meeting expected mid-late September or early October (doodle to come shortly)
- Possible talk/discussion blocks:
 - HInv DD comparisons
 - Continue discussion of dark sector/QCD models and signatures
 - Recent LHC DM experimental results
 - Run-3 benchmarks
- Let us know if you would like to contribute!
- Enjoy the meeting! Happy holidays!