Welcome

LHC DM WG meeting, 30th November 2023



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-dmwg-contributors@cern.ch</u> open for all subscribers to post
 - <u>Ihc-dmwg-admin@cern.ch</u> reach out to the convenors (ATLAS: Spyros Argyropoulos, Zirui Wang, James Frost; CMS: Matteo Cremonesi; LHCb: Daniel Johnson, Xabier Cid Vidal; Theory: Uli Haisch, Tim Tait)

Today's Agenda I



Review recent activities - within the WG and external relevant workshops

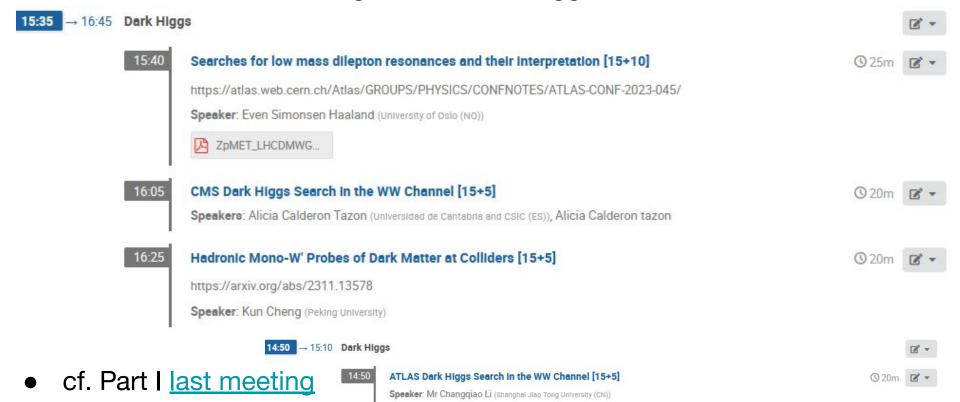
Save the date: 13-17 May - Roadmap Workshop

- benchmarks for Run-3
- signatures which have not been explored
- ways to improve the interpretations of currently used DM benchmarks
- interplay with other experiments

More details in later talk!

Today's Agenda II

Part II of our review of high-mass Dark Higgs searches



Enjoy the meeting! Best wishes for the winter break!

Dark Higgs at 2023 ...

Next meeting in spring (March).