## Welcome

LHC DM WG meeting, 30th November 2021

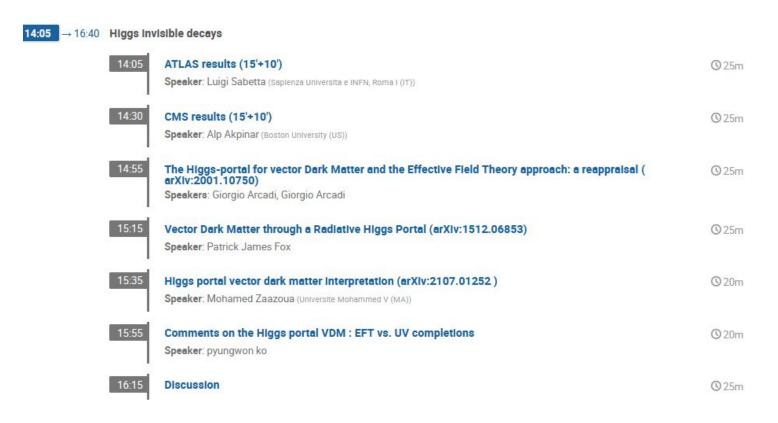


## The LHC DM WG

- 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.

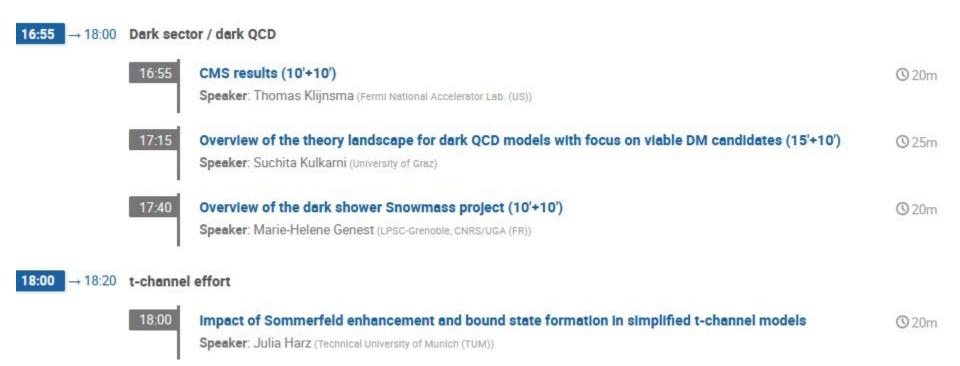
- Mailing lists:
  - <u>Ihc-dmwg-contributors@cern.ch</u> open for all subscribers to post
  - <u>Ihc-dmwg-admin@cern.ch</u> reach out to the convenors (ATLAS:
    Oleg Brandt, James Frost, Priscilla Pani; CMS: Phil Harris, Matteo
    Cremonesi; LHCb: Xabier Cid Vidal; Theory: Uli Haisch, Tim Tait)

## Today's Agenda I



Review recent invisible Higgs results - and a more theoretical focus on the vector WIMP interpretation

## Today's Agenda II



- Introductory discussion of dark sector/QCD models
- New result on t-channel models
- Enjoy the meeting! Best wishes for the Christmas break!