

Reinterpretation: Auxiliary Material Presentation (RAMP) talks

The ATLAS, CMS, and LHCb collaborations perform precise measurements of Standard Model processes as well as direct searches for new particles in a vast variety of channels. Despite the multitude of BSM scenarios tested this way by the experiments, this still constitutes only a small subset of the possible theories and parameter combinations to which the experiments are sensitive. **The auxiliary material (in digital format) enabling the reinterpretation of the experimental results outside the collaborations is thus scientifically as important as the paper publication** in a scientific journal.

⇒ [LHC Reinterpretation Forum](#); detailed recommendations in [arXiv:2003.07868](#)

With the RAMP seminar series we want to create more direct experiment-theory interaction and give more **visibility and explicit recognition to young collaboration members who put in the efforts of preparing and providing extensive material for reinterpretation.**

— *please send suggestions to info-LHC-reinterpretation-organisers@cern.ch* —

Reinterpretation: Auxiliary Material Presentation (RAMP) talks

Presentations are ~20 min plus ample of time for **discussion!**

Today

14:05 → 14:25 **Material for the ATLAS 0-lepton gluino/squark search with 139/fb (incl. BDT weights!)**
Speaker: Kenta Uno (University of Tokyo (JP))

April 23

14:00 → 14:20 **Material for the CMS search for strongly interacting massive particles (SIMPs) with trackless jets**
Speaker: Isabelle De Bruyn (University of Wisconsin Madison (US))

14:30 → 14:50 **Material for the CMS disappearing track analysis CMS-EXO-19-010**
Speaker: Brian Francis (Ohio State University (US))

— suggestions for future meetings: info-LHC-reinterpretation-organisers@cern.ch —