

# **(Re)interpreting LHC new physics search results: tools and methods**

**Monday 16 October 2017 - Wednesday 18 October 2017**

**Fermilab**

## **Scientific Programme**

The workshop programme will consist of

Presentations of recent theorists' interpretation studies

Reviews from the experimental collaborations of their BSM and SM analyses and of what information they are providing for the (re)interpretation of the experimental results

Tutorials for using public recasting tools (Checkmate, Gambit/ColliderBit, MadAnalysis5, Rivet+Contur, SModelS)

Talks on new methods and tools being developed for BSM interpretation (including machine learning)

Open Data and its usage for physics studies

A common session with the Long Lived Particles workshop

Plenty of time will be allocated to discussions to make the workshop maximally interactive and productive.