

## Dark Matter Searches with the ATLAS Detector

*Wednesday, 30 May 2018 14:00 (30 minutes)*

Dark matter could be produced at the LHC if it interacts weakly with the Standard Model. The search for dark matter can be performed directly, by looking for a signature of large missing transverse momentum coming from the dark matter candidates escaping the detector, measured against an accompanying visible object (jet, photon, boson). A broad and systematic search program covering these various possibilities with the ATLAS detector is in place: the talk will review the latest results of these searches.

### **E-mail**

ykkim@hep.uchicago.edu

### **Collaboration name**

ATLAS Collaboration

**Primary author:** Prof. KIM, Young-Kee (Chicago University)

**Presenter:** Prof. KIM, Young-Kee (Chicago University)

**Session Classification:** DM / PHE

**Track Classification:** DM