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## Hunt for Supersymmetry with the ATLAS detector at LHC

*Tuesday 16 June 2015 09:15 (30 minutes)*

Supersymmetry is one of the most motivated theories beyond the Standard Model of particle physics. It explains the mass of the observed Higgs boson and provides a Dark Matter candidate among other attractive features.

A striking prediction of Supersymmetry is the existence of a new particle for each Standard Model one.

I will highlight results of the extensive program of the ATLAS Collaboration searching for supersymmetric particles with the Run 1 data of 2012

and show the discovery potential of Run 2 starting in the summer of 2015.

**Author:** GECSE, Zoltan (University of British Columbia (CA))

**Presenter:** GECSE, Zoltan (University of British Columbia (CA))

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