



Contribution ID: 153

Type: not specified

## Beauty in ATLAS: New physics searches, spectroscopy and decay properties of B-hadrons

*Tuesday, 6 May 2014 15:15 (15 minutes)*

This talk will begin with an overview of the ATLAS detector with emphasis on B-physics. A selection of recently approved ATLAS B-physics analyses, including a measurement of parity violation asymmetry parameter  $\alpha_b$  and helicity amplitudes for the decay  $\Lambda_b^0 \rightarrow J/\psi \Lambda^0$  using  $4.6 \text{ fb}^{-1}$  of proton-proton collision data in 2011, will be presented.

**Primary authors:** ZHANG, Dongliang (University of Michigan (US)); CHENG, Hok Chuen (University of Michigan (US))

**Presenter:** CHENG, Hok Chuen (University of Michigan (US))

**Session Classification:** B Physics I