

Asymmetry measurements in top-quark events at the LHC

Prof. Tom Schwartz
University of Michigan

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RM 415 NSH

I will present measurements of the charge asymmetry in top quark pair production using 20.3 fb⁻¹ of data recorded with the ATLAS detector at a center-of-mass energy $\sqrt{s} = 8$ TeV. Events where one top quark decays semi-leptonically (e+jets or μ +jets) are considered. Measurements where the ttbar system is fully reconstructed using a likelihood fit and a boosted top quark technique are presented.