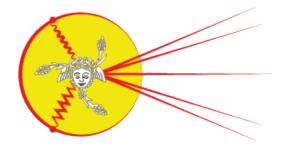
Diffraction 2016



Contribution ID: 131 Type: not specified

What can we learn from dilepton angular distributions at Z0 peak at the LHC?

Wednesday, 7 September 2016 10:00 (20 minutes)

Recently ATLAS published new data on dilepton angular coefficients in Z-boson production at the energy 8 TeV. In particular the famous Lam-Tung relation was shown to be broken and NNLO QCD corrections could explain only a fraction of this phenomenon. We investigate properties of the dilepton angular distributions and Lam-Tung relation breaking within kT-factorization framework and confront predictions of several models with ATLAS data.

Primary authors: MOTYKA, Leszek (Jagiellonian University); SADZIKOWSKI, Mariusz (Jagiellonian University);

sity); STEBEL, Tomasz (Jagiellonian University)

Presenter: STEBEL, Tomasz (Jagiellonian University)Session Classification: Progress in QCD (III)

Track Classification: Progress in QCD