

Extracting $\sigma_{\text{effective}}$ from the LHCb double-charm measurement

Tuesday, 3 December 2013 12:15 (25 minutes)

We discuss various issues related to the definition of single and double open charm cross sections. We conclude that LHCb's extraction of $\sigma_{\text{effective}}$, the effective cross section for double-parton scattering, is too large by a factor of two. This correction brings the data from open-charm pairs closer to that from J/psi plus open charm and jet production.

Primary author: SIODMOK, Andrzej Konrad (University of Manchester (GB))

Co-author: SEYMOUR, Mike (University of Manchester (GB))

Presenter: SIODMOK, Andrzej Konrad (University of Manchester (GB))

Session Classification: MPI & Double Parton Scattering

Track Classification: MPI & Double Parton Scattering