Contribution ID: **75** Type: **not specified**

On double pomeron exchange in J/psi hadroproduction

Inclusive heavy vector meson hadroproduction is a subject of vivid experimental studies at the Large Hadron Collider. We consider in detail a new color singlet contribution to the J/psi production at the LHC, that is driven by a double BFKL pomeron exchange between the produced meson and a target parton. This production mechanism is closely related to a small x evolution of double gluon density including parton correlations. We estimate the differential cross sections and discuss their properties and relevance.

Primary author: MOTYKA, Leszek

Co-authors: KOTKO, Piotr (IFJ PAN); SADZIKOWSKI, Mariusz (Jagiellonian University); STASTO, Anna (Penn State)

Track Classification: Low-x, PDFs and hadronic final state