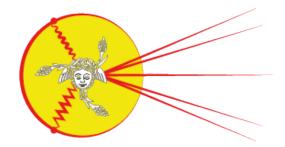
Diffraction 2016



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Exclusive diffractive resonance production in proton-proton collisions at the LHC

domenica 4 settembre 2016 19:10 (20 minuti)

A model for exclusive diffractive resonance production in proton-proton collisions at the LHC is presented. Cross sections are calculated by folding the Pomeron-Pomeron total cross section () with the Donnachie-Landshoff parameterisation of the Pomeron flux in the proton(*). The single differential

cross section dsigma/dM as well as the double differential cross section dsigma/dMdp_T will be shown for the resonances f0(980) and f2(1270). The range of x-values of the Pomeron flux accessible in these measurements will be addressed.

- *) R.Fiore, L.Jenkovszky, R.Schicker, Resonance production in Pomeron-Pomeron collisions at the LHC, Eur. Phys. J. C76 (2016) 1, 38
- **) A.Donnachie, P.V.Landshoff, Hard diffraction: Production of high p_T jets, W or Z, and Drell-Yan pairs, Nucl. Phys. B303 (1988), 634

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Classifica Sessioni: Diffraction in hadron-hadron collisions - experiment (I)

Classificazione della track: Diffraction in hadron-hadron collisions (experiment)