

Pomeron Odderon interference in production of π - π pairs at LHC

Saturday, July 18, 2009 11:50 AM (15 minutes)

The experimental evidence for Odderon exchange processes is still weak. In this talk, we will show that the Odderon could be observed by interference effects with the Pomeron in charge asymmetries in the production of two pion pairs. After discussing the theoretical framework for our calculation based on high energy factorization and the necessary phenomenological input, the calculation of the charge asymmetry and its result will be presented. We will conclude with a discussion of experimental rates to be expected in ultra-peripheral collisions at the LHC

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