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Measurement of the Central Exclusive Production of pion pairs using tagged forward protons at the STAR detector at RHIC

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We shall present preliminary measurement of the Central Exclusive Production of the two oppositely charged pions produced in the process $pp \rightarrow pXp$, obtained with the STAR detector at RHIC at $\sqrt{s} = 200$ GeV. The Roman Pots were used to tag forward protons while pion pair tracks were reconstructed in the STAR Time Projection Chamber (TPC). Spectra of the kinematical variables corrected for detector acceptance and efficiency are compared with predictions of models based on Regge phenomenology.

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