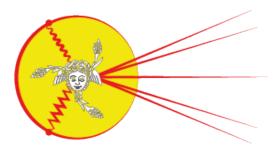
**Diffraction 2016** 



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## Hadron Spectroscopy in Double Pomeron Exchange Experiments : a Review

Tuesday, 6 September 2016 11:20 (30 minutes)

Central exclusive production in hadron-hadron collisions at high energies, for example  $p + p \rightarrow p + X + p$ where the + represents a large rapidity gap, is a valuable process for spectroscopy of mesonic states X. At collider energies the gaps can be large enough to be dominated by pomeron exchange, and then the quantum numbers of state X are limited. Isoscalar JPC = 0++ and 2++ mesons are selected, and our understanding of these spectra is incomplete. In particular, soft pomeron exchanges favor gluon-dominated states such as glueballs, not yet well established. I will review the published data.

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Track Classification: Diffraction in hadron-hadron collisions (experiment)