

# The fully-heavy tetra-quark system interact via the Pomeron exchange

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The inner dynamics for the fully-heavy quark system is a hot topic. The LHCb Collaboration reported the observation of a tetra-quark candidate  $X(6900)$  with a configuration of cccc in the di- $J/\psi$  invariant mass spectrum. We show that the narrow structure  $X(6900)$  can be produced via the Pomeron exchange and coupled-channel effects between the  $j\psi$ - $j\psi$ ,  $j\psi$ - $\psi(2S)$  scatterings.

**Primary author:** Dr GONG, Chang (IHEP)

**Co-author:** Prof. ZHAO, Qiang (Institute of High Energy Physics, Chinese Academy of Sciences)

**Presenter:** Dr GONG, Chang (IHEP)

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