



Contribution ID: 100

Type: not specified

The $P_c(4450)$ pentaquark-like structure and triangle singularity

Friday 2 September 2016 16:20 (20 minutes)

We want to discuss the $P_c(4450)$ pentaquark-like structure observed by the LHCb Collaboration in the J/ψ proton final states. We point out that it is located exactly at the χ_{c1} -proton threshold, and coincides with the leading Landau singularity of the triangle loop $\Lambda(1890)$ - χ_{c1} -proton. We also discuss the possibility of distinguishing a genuine resonance from the kinematical singularity.

Summary

Primary author: Prof. GUO, Feng-Kun (Institute of Theoretical Physics)

Presenter: Prof. GUO, Feng-Kun (Institute of Theoretical Physics)

Session Classification: Section C

Track Classification: Section C: Heavy Quarks