

On the recent states $Z_{cs}(3985)$ and $X(3960)$

In this talk we will discuss our recent works (2201.08253 and 2207.08563) in which we make analyses of several X and Z states. In the first part of the talk, we present a combined study of the BESIII spectra in which the $Z_c(3900)$ and $Z_{cs}(3985)$ states are seen, assuming that both are $SU(3)$ partners. In the second part, a step further is taken and we analyze the full heavy quark spin and light flavor multiplets arising by considering as inputs the $X(3872)$, $Z_c(3900)$, and the $X(3960)$ recently claimed by LHCb in the $D+s$ D -s spectrum.

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Track Classification: Spectroscopy of hadrons