APCTP SEMINAR

Molecular picture of the Ω(2012)

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September 28th (Tue.) 14:00 (KST)

Online via ZOOM

We study the Ω(2012) which was measured in the Belle experiment. We conduct a study of the interaction of the $\bar{K}\Xi^*$, $\eta\Omega$(s-wave) and $\bar{K}\Xi$(d-wave) channels within a coupled channel unitary approach. We find that all data including the Belle experiment on $\Gamma(\Omega^* \to \pi\bar{K}\Xi)/\Gamma(\Omega^* \to \bar{K}\Xi)$ are compatible with the molecular picture stemming from meson baryon interaction of these channels. In this talk, I report the results based on Ref. [1].

Reference:

[1] N. Ikeno, G. Toledo, and E. Oset, Phys. Rev. D 101, 094016 (2020).

■ **ZOOM Webinar**

1) Please register through this ZOOM link
   https://us06web.zoom.us/meeting/register/tZwvdeurqDkiGdKACmOc3ebM76Wlh9XvuXLR
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