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Structure and Width of the d*(2380) Dibaryon

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Collaboration

Abstract content

We discuss the structure and width of the recently established $d^*(2380)$ dibaryon, confronting the consequences of the Gal-Garcilazo Pion Assisted Dibaryons hadronic model with those of quark motivated calculations. In particular, its relatively small width of about 70 MeV favors hadronic structure for the $d^*(2380)$ dibaryon rather than a six-quark compact structure [1].
[1] A. Gal, Phys. Lett. B 769 (2017) 436.

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