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Dian-Yong Chen, Xiang Liu

charmonia

(Submitted on 27 Jun 2011 (v1), last revised 4 Aug 2011 (this version, v3))

Predicted charged charmonium-

like structures in the hidden-

charm dipion decay of higher

In this work, we predict two charged charmonium-like structures close to the $D^{\infty}(D)$ and $D^{\infty}(D)$, ast, thresholds, where the Initial Single Pion Emission mechanism is introduced in the hidden-charm dipion decays of higher charmonia $\phi(4040)$, $\phi(4160)$, $\phi(4150)$, and charmonium-like state Y(4260). We suggest BESIII to search for these structures in the J/ $\phi(4040)$, $\phi(120)$, $\phi(12$

Comments:	7 pages, 6 figures, 1 table. More discussions added. Accepted for publication in Phys. Rev. D
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