

Parallel talk

Towards the decays of $N_X(1625)$ in the molecular picture

刘翔

School of Physical Science and Technology, Lanzhou University, Lanzhou 730000, China

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摘要

In this talk, we firstly overview the experimental status of $N_X(1625)$, which is an enhancement structure observed in $K^-\Lambda$ invariant mass spectrum of $J/\psi \rightarrow pK^-\Lambda$ process. Then we present the result of the decay of $N_X(1625)$ under the two molecular assumptions, i.e. S-wave ΛK^- and S-wave $\Sigma^0 K^-$ molecular states. Several experimental suggestions for $N_X(1625)$ are proposed.

关键词 [molecular state, strong decay, rescattering mechanism](#)

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DOI:

通讯作者:

刘翔 liuxiang@teor.fis.uc.pt

作者个人主页:

刘翔

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