

## Formation of eta-prime(958) mesic nuclei by (p,d) reaction

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We show theoretical calculations for the formation spectra of eta'(958)-nucleus systems in the (p,d) reaction for the investigation of the in-medium modification of the eta' mass [1]. We conclude that one finds an evidence of possible attractive interaction between eta' and nucleus as peak structure. Spectroscopy of the (p,d) reaction can be performed experimentally at existing facilities, such as GSI [2].

References:

[1] H.Nagahiro, et al., PRC87(2013)045201

[2] K.Itahashi, et al., PTP128(2012)60

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