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## $\eta$ meson production in proton-deuteron collisions

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## **Collaboration**

## **Abstract content**

Since many years the strong final state interaction between eta mesons and light nuclei and the discussed possibility for the formation of  $\eta$ -mesic nuclei has attracted broad experimental and theoretical investigations. Prominent examples are production experiments on the  ${}^3He$ -\eta\$ final state which present an unexpected strong total cross section enhancement at threshold, indicating the presence of a pole very close to threshold. Stimulated by these results new proton-deuteron collision experiments on the eta meson production have been performed in the near-threshold region and at higher excess energies using both polarized and unpolarized beams. Recent results will be presented and discussed in this talk.

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