

# 4th Jagiellonian Symposium on Advances in Particle Physics and Medicine



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## Invited talk: Studying the process $\gamma d \rightarrow \pi^0 n d$

*Tuesday, 12 July 2022 16:50 (20 minutes)*

In this talk I will present a theoretical study of the  $\gamma d \rightarrow \pi^0 n d$  reaction and show that the observed shift of the peaks of the  $\pi^0 d$ ,  $n d$  invariant mass distributions with respect to the phase space distributions are related to the dynamics of the  $\gamma p \rightarrow \pi^0 n p$ .

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**Session Classification:** Session 3