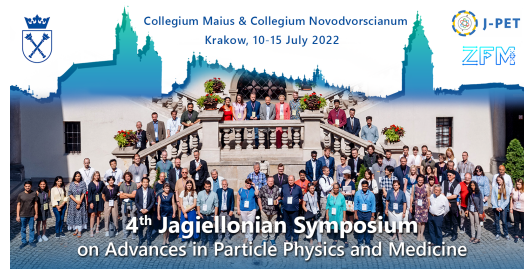


4th Jagiellonian Symposium on Advances in Particle Physics and Medicine



Contribution ID: 279

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Invited talk: Exotic properties of $N^*(1895)$ and its impact on photoproduction of light hyperons

Tuesday, 12 July 2022 17:10 (20 minutes)

In a recent work, we have studied the decay properties of $N(1895)$, which was found to arise from meson-baryon interactions in an earlier work. We investigate the decays to different meson-baryon systems and to final states involving $\Lambda(1405)$ and a proposed $\Sigma(1400)$. In this talk, I will show that the width of $N^*(1895)$ can get an important contributions from the decay to light hyperon resonances and such findings can be relevant for processes like the photoproduction of $\Lambda(1405)$.

Presenter: Prof. KHEMCHANDANI; FEDERAL UNIVERSITY OF SAO PAULO, BRASIL, Kanchan

Session Classification: Session 3