

Recent experimental results on charge exchange reactions with VES setup

Thursday 24 July 2025 15:00 (40 minutes)

(OFFLINE)

Two topics on charge exchange (ChEx) production of exclusive systems of light mesons by pions on nuclei will be presented. The first one is the completed study of the $\omega(782)\phi(1020)$ channel with the dominance of the scalar isoscalar resonance $f_0(1710)$, which characteristics point to its glueball-like nature. The second one is a preliminary report on the first observation of the $\eta'(958)$ $\pi^+\pi^-$ system in the ChEx, with somewhat speculative consideration of $\rho(2150)$ as its possible origin.

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Session Classification: Afternoon session 6