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Recent hadronic physics with astrophysical implications

This talk will present some recent hadron physics results obtained from the MAMI (Germany) and JLAB (USA) intense photon beam facilities. New data which constrains our understanding of the hyperon-nucleon interaction will be presented, obtained via photoproduction and rescattering processes in light nuclear targets. In addition, the current status and future plans of the programme aiming to elucidate the nature of the d*(2380) hexaquark in photoproduction from deuterium targets will be presented. The potential implications of the new data for the study of astrophysical systems will be outlined.

Primary author: WATTS, Dan

Presenter: WATTS, Dan

Track Classification: Hadrons at finite density and temperature