

Analyzing Power of Quasi-Elastic Proton-Proton Scattering at the Energies from 200 to 650 MeV/nucleon

Tuesday, 25 October 2022 16:40 (15 minutes)

Vector analyzing power in quasielastic proton-proton scattering was obtained at the Nuclotron Internal Target Station using a polarized deuteron beam and a polyethylene target. The selection of useful events was performed using the time and amplitude information from scintillation counters. The asymmetry on hydrogen was obtained by the subtraction of the carbon background. The values of analyzing power were obtained at the beam energies of 200, 500, 550, and 650 MeV/nucleon. The obtained values are compared with the predictions of the partial-wave analysis SAID.

Primary author: VOLKOV, Ivan (LHEP-JINR, Dubna, Moscow region, Russia)

Presenter: VOLKOV, Ivan (LHEP-JINR, Dubna, Moscow region, Russia)

Session Classification: High Energy Physics

Track Classification: High Energy Physics