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Overview of HERMES results

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HERMES has collected a wealth of deep-inelastic scattering (DIS) data using the 27.6 GeV polarized lepton beam at HERA and various pure gas targets, both unpolarized and polarized. This allowed for a series of diverse and unique measurements. Among them are measurements that provide information on the three-dimensional structure of the nucleon both in momentum space and in position space.

Results on azimuthal asymmetries from semi-inclusive DIS, sensitive to the former, will be presented as well as measurements of exclusive processes sensitive to position-space distributions. This will be complemented with the presentation of results on, among others, Bose-Einstein correlations and the measurement of Λ polarization in quasi-real photoproduction.

Author: Dr VAN HULSE, Charlotte (University of the Basque Country)

Presenter: Dr VAN HULSE, Charlotte (University of the Basque Country)

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