

GPDs and gravitational form factors of nucleons (quark and gluon contributions)

Wednesday, 6 September 2023 12:30 (30 minutes)

Taking into account the recent parton distribution functions (PDFs), obtained in the recent time, the momentum transfer dependence of generalized parton distributions (GPDs), of nucleons is obtained in the limit $\xi \rightarrow 0$. The gravitational quark and gluon form factors of nucleons are calculated. The power dependence of the form factors is investigated.

Primary author: SELYUGIN, Oleg (JINR)

Co-author: Dr TERYAEV, Oleg (BLTPh, JINR)

Presenter: SELYUGIN, Oleg (JINR)

Session Classification: Plenary