XXVIth International Baldin Seminar on High Energy Physics Problems "Relativistic Nuclear Physics and Quantum Chromodynamics"



Contribution ID: 32 Type: 20 min.

Electron structure functions

Thursday 18 September 2025 14:00 (20 minutes)

Properties and applications of QED parton distribution and fragmentation functions are discussed. Optimization of the factorization scale choice is demonstrated for specific processes. A new factorization scheme is proposed for Drell-Yan processes in QED. Features of QED and QCD parton distribution functions are compared.

Author: ARBUZOV, Andrej (BLTP JINR)

Co-author: VOZNAYA, Uliana (BLTP JINR)

Presenter: ARBUZOV, Andrej (BLTP JINR)

Session Classification: Structure functions of hadrons and nuclei

Track Classification: Structure functions of hadrons and nuclei