

Seminarium Studium Doktoranckiego NCBJ
Poniedziałek, 28 maja, godzina 9:00
Sala 22 w NCBJ, Hoża 69

Speaker: Oleksandr Kovalenko
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Title: Experimental tests of perturbative Quantum Chromodynamics

Abstract: The Deep Inelastic Scattering and Drell-Yan processes can't be directly calculated. The factorization concept assumes that the cross sections of these processes can be expressed as a convolution of parton distribution functions and fragmentation functions (FFs). These functions can't be obtained from the theory and require an input from the experiment. The seminar will be focused on the techniques that are used to extract the FFs for pp and ep collisions. The comparison of theoretical estimates of FFs and the most recent experimental results on neutral meson spectra will be given.