

Theoretical Physics Division Seminar

Fundamental Research Department
NATIONAL CENTRE FOR NUCLEAR RESEARCH

12.03.2025 (Wednesday); Time: 11:15

The seminar is held in person @ Pasteura 7, 207

**Krzysztof Kutak
IFJ PAN, Kraków**

**“Entanglement entropy, Krylov complexity
and Deep Inelastic Scattering”**

ABSTRACT:

I will present recent studies of proton structure using methods motivated by quantum information. In particular I will present results for entanglement entropy and complexity related to gluon density density function as well as description of measured entropy in Deep Inelastic Scattering reaction.

Best regards,

T. Altinoluk, M. Kowal, P. Małkiewicz, E. Sessolo, P. Zin