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## **INPP Seminar | Hadron Masses in Inclusive and Semi inclusive DIS Experiments, Feb 25**

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# INPP Seminar | Hadron Masses in Inclusive and Semi-inclusive DIS Experiments, Feb. 25

February 1, 2020

Categories: Events

Tags: Albertov Accardi, INPP Seminar, Institute of Nuclear and Particle Physics, physics and astronomy events

The Institute of Nuclear and Particle Physics (INPP) presents [Alberto Accardi](#) of Hampton University, discussing “Hadron Masses in Inclusive and Semi-inclusive DIS Experiments”, on Tuesday, Feb. 18, at 4 p.m. in Edwards Accelerator Lab, Roger W. Finlay Conference Room.



Albertov Accardi

**Abstract:** Hadron masses are usually neglected in the theoretical interpretation of high-energy scattering experiments. However, in Deep Inelastic Scattering (DIS) at fixed target facilities that operate at subasymptotic kinematics, these can give rise to non-negligible corrections to cross section calculations of semi-inclusive hadron production.

In this talk, I will review a recently proposed Hadron Mass Correction scheme that can in particular, explain a large discrepancy observed in measurements performed at the HERMES and COMPASS experiments, and will generally be important for the analysis of upcoming experiments at Jefferson Lab. Hadron masses turn out to also play a role in inclusive DIS measurements, where the dynamical generation of mass in Quantum Chromo Dynamics can be experimentally explored by means of a newly developed Inclusive Jet Function formalism.