

**Trento, May 20-24, 2024**

## Beyond-Eikonal Methods in High-Energy Scattering

The proposed workshop is dedicated to studying small-x physics in the beyond the eikonal approximation, that is, concentrating on the phenomena suppressed by one or more powers of Bjorken x which are usually neglected in the traditional eikonal small-x physics. These include questions about the proton spin structure and the spin puzzle at small x, involving the spin-dependent PDFs and TMDs, along with the power-of-x corrections to the eikonal scattering on a nucleus, which are enhanced by the powers of the atomic number of a large nucleus and are, therefore, important. All these questions are central to the physics to be probed at the future Electron-Ion Collider (EIC). Attempts at unifying large-x and small-x evolution will also be discussed.

### **Organizers**

**J. Jalilian-Marian (Baruch College, CUNY), A. Czajka (National Centre for Nuclear Research), Y. Kovchegov (Ohio State University)**

### **Keynote Speakers**

**Tolga Altinoluk (National Centre for Nuclear Research)  
Ian Balitsky (Jefferson Laboratory, Old Dominion University)  
Guillaume Beuf (National Centre for Nuclear Research)  
Giovanni Chirilli (University of Salento)  
Yoshitaka Hatta (Brookhaven National Laboratory)  
Yacine Mehtar-Tani (Brookhaven National Laboratory)  
Vladimir Skokov (North Carolina State University, Brookhaven National Laboratory)  
Bowen Xiao (The Chinese University of Hong Kong)  
Feng Yuan (Lawrence Berkeley National Laboratory)**

**Director of ECT\*: Eng. Andrea Simoni**

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