

POETIC 8

8th International Conference on Physics Opportunities at an ElecTron-Ion-Collider

19-23 March 2018, University of Regensburg

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Topics:

- Structure of hadrons: (nuclear) parton distribution functions (PDFs, nPDFs), transverse momentum dependent (TMDs) and generalized parton distributions (GPDs), Distribution Amplitudes (DAs), Double Distributions (DDs).
- QCD at high parton densities and small-x: saturation, evolution, Color Glass Condensate
- Fragmentation functions and Jet properties
- Complementarity and connections of EIC physics with p+p, p+A and A+A collisions: high p_T processes, diffraction, multi-parton interactions, quark-gluon plasma and colored probes in hot nuclear matter.
- Physics beyond the Standard Model and connections to other areas in physics.
- Future DIS facilities: accelerator and detector developments.