

# **Synergies between the Electron-Ion Collider and the Large Hadron Collider experiments**

*Monday, 24 June 2024 13:00 (60)*

After a brief introduction to the Electron-Ion Collider (EIC) and the Joint ECFA-NuPECC-APPEC Activity on “Synergies between the Electron-Ion Collider and the Large Hadron Collider experiments”, I will go into examples of such synergies, focusing mostly on the QCD related ones: parton densities of protons and nuclei, quarkonium production, transverse momentum dependent parton distributions (TMDs) and generalized TMDs, double parton scattering and diffraction. Other synergies for electroweak and BSM studies and with astroparticle physics will also be touched upon briefly.

**Presenter(s)** : BOER, Daniël (University of Groningen)