HADRON STRUCTURE FROM 1D TO 3D DISTRIBUTIONS (PDFS, GPDS, TMDS, NUCLEON SPIN, …)

Experiments (LHC, JLAB 12 GeV upgrade, waiting for EIC?) & Global fits

Lattice QCD (huge numerical cost even for exascale computers, inverse problem, large momenta required, StN and topology freezing)

Functional methods (singularities of amplitudes, multiparton wave-functions, control of systematic errors… baryons?)

AI/ML Novel analysis frameworks to reduce model assumptions in the interpretation of the EIC measurements

Synergies between Lattice, Functional methods and Phenomenology…

Discussion: Hadronic structure, Savvas Zafeiropoulos (CNRS and Aix-Marseille U.) ECT*, 24.05.2023