

Affinity tool. Comparison between JLab12 and JLab22

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I will present the recent extension of the AFFINITY numerical tool that allows experimental data to be connected to the corresponding theoretical framework. More specifically, I will focus on the affinity to the TMD region as predicted for the upgraded JLab22 kinematics in comparison with the existing JLab12 and the planned EIC experiments.

Affinity projections show that the high increase in statistics achieved by the JLab22 upgrade will offer an unprecedented insight on the “TMD” region, which is the kinematic region where transverse-momentum-dependent effects are mostly visible and non-perturbative physics dominate.

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