

XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects



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Long-range two-particle correlations in DIS with CLAS12

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We report a study of two-particle angular correlations in deep-inelastic scattering off a proton target measured with the CLAS12 detector at Jefferson Lab. We discuss both pion-pion and pion-proton correlation functions. Such measurements complement ongoing studies at collider experiments and addresses open questions regarding hypothetical collective behaviour in “small systems”. These measurements can also shed new light on target fragmentation and di-quarks states.

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