

## XX International Workshop on Deep-Inelastic Scattering and Related Subjects



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### **Evidence for breakdown of the DGLAP description in diffractive DIS at HERA**

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HERA data on diffractive DIS show deviations from twist 2 DGLAP predictions below  $Q^2 \approx 5 \text{ GeV}^2$  at low  $x \cdot P$ , which may reach up to 100%. These deviations are consistent with higher twists effects extracted from the saturation model. It is a first direct evidence for the higher twists in DIS. This finding affects determination of the diffractive parton densities that are used for the predictions at the LHC.

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