

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



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## Towards DIS at N<sup>4</sup>LO

*Thursday, 15 April 2021 13:35 (20 minutes)*

I will report on an ongoing effort towards calculating the N<sup>4</sup>LO perturbative QCD corrections to the DIS total inclusive cross-section. We are developing a method based on differential equations and series expansion in the inverse Bjorken parameter. As a byproduct our calculation should also deliver analytic or at least precise numerical approximations for the four-loop splitting functions.

**Primary author:** Mr BASDEW-SHARMA, Avanish (Nikhef)

**Co-authors:** Dr HERZOG, Franz (The University of Edinburgh); Dr PELLONI, Andrea (Nikhef)

**Presenter:** Mr BASDEW-SHARMA, Avanish (Nikhef)

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