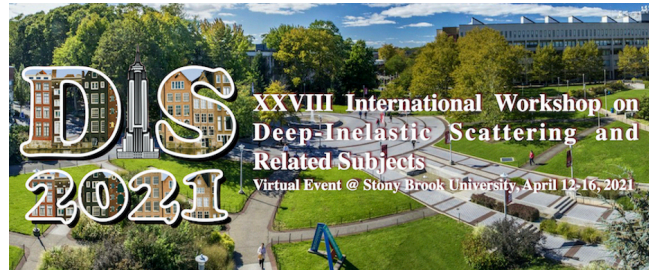


# XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 575

Type: **Contributed Talk**

## Towards DIS at N4LO

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

I will report on an ongoing effort towards calculating the N4LO 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.

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**Session Classification:** Structure function and parton densities

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