Contribution ID: **19** Type: **not specified**

An EFT for Both Hard and Forward Scattering

Tuesday, 31 May 2016 16:00 (30 minutes)

I will discuss an EFT framework that is valid for both hard scattering and forward scattering processes by including Glauber interactions in the Soft-Collinear Effective Theory. A Lagrangian is constructed that is valid to all orders in alphas. The role of rapidity renormalization and subtractions is highlighted. Applications include understanding factorization violation in hard scattering, as well as M¯S style derivations of rapidity renormalization and evolution equations (such as BFKL, small-x resummation in DIS).

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Session Classification: Talks