Contribution ID: **25** Type: **Talk at plenary session**

Evolution of cusped light-like Wilson loops, TMDs and geometry of the loops space

Saturday, 15 September 2012 11:10 (20 minutes)

Summary

We discuss a relationship of geometrical properties of the loops space described by means of the Polyakov-Makeenko-Migdal (PMM) approach with energy/rapidity evolution of cusped Wilson loops on the light-cone. We propose to consider the renormalization properties of the light-cone cusped Wilson loops from the point of view of the universal geometrical PMM approach that corresponds to the Dyson-Schwinger set of equations for the loop space. We discuss the relevance of the PMM to energy/rapidity evolution of some phenomenologically significant objects, e.g., TMD and collinear PDFs, etc.

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Session Classification: Progress in QCD (III)

Track Classification: Progress in QCD