



Contribution ID: 47

Type: **not specified**

## On baryon scattering in QCD

*Thursday 27 September 2007 17:00 (30 minutes)*

Impact-factors are presented corresponding to a baryon scattering at large energies by 2,3 and 4 gluon coupling. The small- $x$  evolution of the impact factors is studied for various numbers of Reggeons in the  $t$ -channel. We find a new C-even BKP state that couples to baryons and a new  $3 \rightarrow 4$  Reggeon transition vertex.

**Primary author:** Dr MOTYKA, Leszek (Hamburg University and Jagellonian University)

**Presenter:** Dr MOTYKA, Leszek (Hamburg University and Jagellonian University)

**Session Classification:** High Energy QCD (continued)