

Seminar Fizičkog odsjeka

Vrijeme (s.t.)

Mjesto

četvrtak 10. 04. 2014., 10:30 h

seminar F201

Saturation and geometrical scaling in high energy collisions

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After briefly reviewing evolution equations that are relevant for high energy scattering, we introduce a concept of a saturation scale. Next, following simple arguments of dimensional analysis we shall argue that certain observables should depend only upon the ratio of the relevant momentum scale divided by the saturation momentum. This phenomenon is called geometrical scaling. We shall demonstrate on a number of examples that geometrical scaling is really present in the data. Finally we shall discuss situations where one expects violation of geometrical scaling.

Voditelji seminara FO

Damir Pajić i Ivica Smolić