FAKT Workshop 2024: Particle Physics Retreat



Contribution ID: 4

Type: Theory

From colour evolution to hadronization and electroweak final states

Thursday 22 February 2024 14:25 (20 minutes)

Predictions for exclusive final states from first principles are constrained to low multiplicity. Otherwise they are intractable and phenomenological models are used. This applies, first and foremost, to hadrons due to the strong interaction. However, electroweak objects at high energies are not too dissimilar and require an accurate treatment across these two regimes. In this contribution I will outline some recent work on (colour) evolution in QCD and the idealistic quest for such an extrapolation. I will then sketch how these ideas generalize to the electroweak sector, with emphasis on the definition of external states.

Author: PLÄTZER, Simon (University of Graz (AT))Presenter: PLÄTZER, Simon (University of Graz (AT))Session Classification: Talks