Contribution ID: **37** Type: **Talk**

Wounded quarks at the LHC

Saturday, 4 June 2016 12:30 (30 minutes)

We apply the wounded quark model to particle production and properties of the initial fireball in A+A, p+A, and p+p collisions at the Large Hadron Collider (LHC). We find uniformity of the approach, as similar production of initial entropy per source
is needed to explain particle production in all studied reactions and at all centralities. We also investigate event-by-event initial eccentricities and sizes, finding results as good or better than from the Glauber model with nucleons. In conclusion, the wounded quarks can be used as effective degrees of freedom at the LHC.

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Session Classification: Plenary session