



Contribution ID: 15

Type: **not specified**

## Flow anisotropies due to momentum deposition from hard partons

*Wednesday, 11 March 2015 18:30 (25 minutes)*

Anisotropies of transverse expansion flow in ultrarelativistic nuclear collisions are nowadays precisely measured and potentially carry important information about the transport properties of hot deconfined matter. In order to extract this information reliably from data analysis one must take into account other effects which can cause flow anisotropies. Hard partons, produced copiously at the LHC, deposit their energy and momentum into quark-gluon plasma. We show, that since there may be a multitude of them in one event, this mechanism contributes visibly to all orders of flow anisotropies.

**Primary author:** TOMASIK, Boris (Univerzita Mateja Bela (SK))

**Co-author:** SCHULC, Martin (Czech Technical University in Prague)

**Presenter:** TOMASIK, Boris (Univerzita Mateja Bela (SK))

**Session Classification:** Wednesday Afternoon