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# Study of mean transverse momenta correlations in rapidity and azimuthal windows in heavy ion collisions

*Tuesday 9 September 2014 18:50 (1h 30m)*

The reported study is dedicated to the correlations between mean transverse momenta $p_T$ of particles in two observation windows in heavy-ion collisions.

Analysis approach of mean $p_T$ correlations is described.
Dependence on rapidity and azimuthal acceptance of the windows is studied
using AMPT event generator and toy Monte-Carlo simulations.
Influence of the selection cuts - $p_T$ range and event centrality - is also investigated.

Predictions for mean $p_T$ correlations for heavy-ion collisions at ALICE (LHC) are expressed.

## Summary

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