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## About the analysis of pp collisions at ALICE using the Event Shapes

### Content :

The early results on the multiplicity distributions,  $p_T$  distributions of identified hadrons as well as those of unidentified hadrons have pointed out to substantial differences between the existing generators and their multiple “tunes” with the data. Following the idea that one should try to better identify the parameters that most differ the generators and the data we have turned to the study of the shape of the events, and especially the transverse sphericity observable. We have done the analysis in function of the multiplicity and event hardness. We have observed that at high multiplicities the mean value of sphericity is superior to the ones predicted by the models, pointing to a specific behavior that should be taken into account in the theoretical approaches. The highest transverse sphericity events measured in ALICE will be reported and discussed.

The behavior of some basic observables in function of the multiplicity and sphericity will be reported.

### Collaboration :

for the ALICE collaboration

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