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## Event shape engineering with ALICE

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Strong fluctuations of the anisotropic flow and the large acceptance of the ALICE detector allow an efficient selection of the events corresponding to a specific initial geometry. This opens many new possibilities to study the properties of the system created in ultra-relativistic nuclear collisions. In this talk, using the Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV data, we demonstrate the ability of the method to select events with anisotropic flow values significantly larger or smaller than the average. For those events we present results on centrality and momentum dependence of the anisotropic flow obtained with different methods including two- and many-particle correlations. We also investigate obtaining the full  $v_2$  distribution via unfolding methods.

**Author:** ALICE, Collaboration (CERN, Geneva, Switzerland)

**Co-authors:** DOBRIN, Alexandru Florin (Wayne State University (US)); DOBRIN, Alexandru Florin (Department of Physics-Lund University-Unknown)

**Presenter:** DOBRIN, Alexandru Florin (Wayne State University (US))

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