

Anisotropic flow of charged particles at 2.76 TeV measured with the ALICE detector

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Measurements of anisotropic flow provided evidence for the creation of strongly interacting matter which appears to behave as an almost ideal fluid. Anisotropic flow signals the presence of multiple interactions and is very sensitive to the initial spatial anisotropy of the overlap region in non-central heavy-ion collisions. In this talk we report measurements of elliptic v_2 , triangular v_3 , quadrangular v_4 and pentagonal v_5 flow. These measurements have been performed with two- and multi-particle correlation techniques. We will show how these measurements can be understood from the initial spatial anisotropy and its fluctuations. These observations provide a possible explanation for the away-side features often attributed to Mach cone effects.

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