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Measurement of direct photon anisotropy at PHENIX

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Direct photons are an important probe into the thermal and collective properties of Quark Gluon Plasma (QGP). Precise measurement of the direct photon anisotropy is necessary to provide additional insight into the photon production mechanisms in QGP which helps constrain theoretical models and thus solve the so-called direct photon puzzle. In this poster, analysis status of the elliptic and triangular flow is presented from the high statistics Au+Au data taken in 2014 by the PHENIX experiment. Two different event plane detectors are used to take into account possible non-flow effects in the data.

Primary author: GILES, Michael

Presenter: GILES, Michael

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