

Reaction Plane and Elliptic Flow at BRAHMS

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Elliptic flow is an indicator of initial state effects in heavy-ion collisions. The BRAHMS multiplicity array was reconfigured for the recent RHIC Au+Au runs at 200 GeV and 62.5 GeV to allow for a determination of the reaction plane. This talk will present the resulting v_2 measurements based on the unidentified charged particles hitting the new flow arrangement. The centrality and pseudo-rapidity dependence of the v_2 signal will be discussed. In a subsequent talk[1], we will present the correlations of high-pt particles detected in the BRAHMS spectrometers[2] with the reaction plane.

[1] H. Ito, this session.

[2] M. Adamczyk *et al*, *Nucl. Inst. Meth. A* 499, 437(2003).