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## PHENIX measurements of charged hadron and heavy flavor $v_2$ at forward/backward rapidity in d+Au collisions at $\sqrt{s}=200$ GeV

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Recent measurements at both RHIC and the LHC continue to indicate that particles produced in small collision systems exhibit collective behavior similar to those observed in large collision systems. The PHENIX experiment has measured substantial elliptic ( $v_2$ ) flow coefficients for charged hadrons at midrapidity in a suite of small collision systems over a range of collision energies. We extend these results with new measurements of charged hadron  $v_2(p_T)$  at forward and backward rapidities in d+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV in order to better constrain the rapidity extent of these correlations. To further investigate the origins of these correlations we also present the status of the  $v_2$  of heavy flavor decay muons at forward and backward rapidities in the same collision system.

### Content type

Experiment

### Collaboration

PHENIX

### Centralised submission by Collaboration

Presenter name already specified

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