

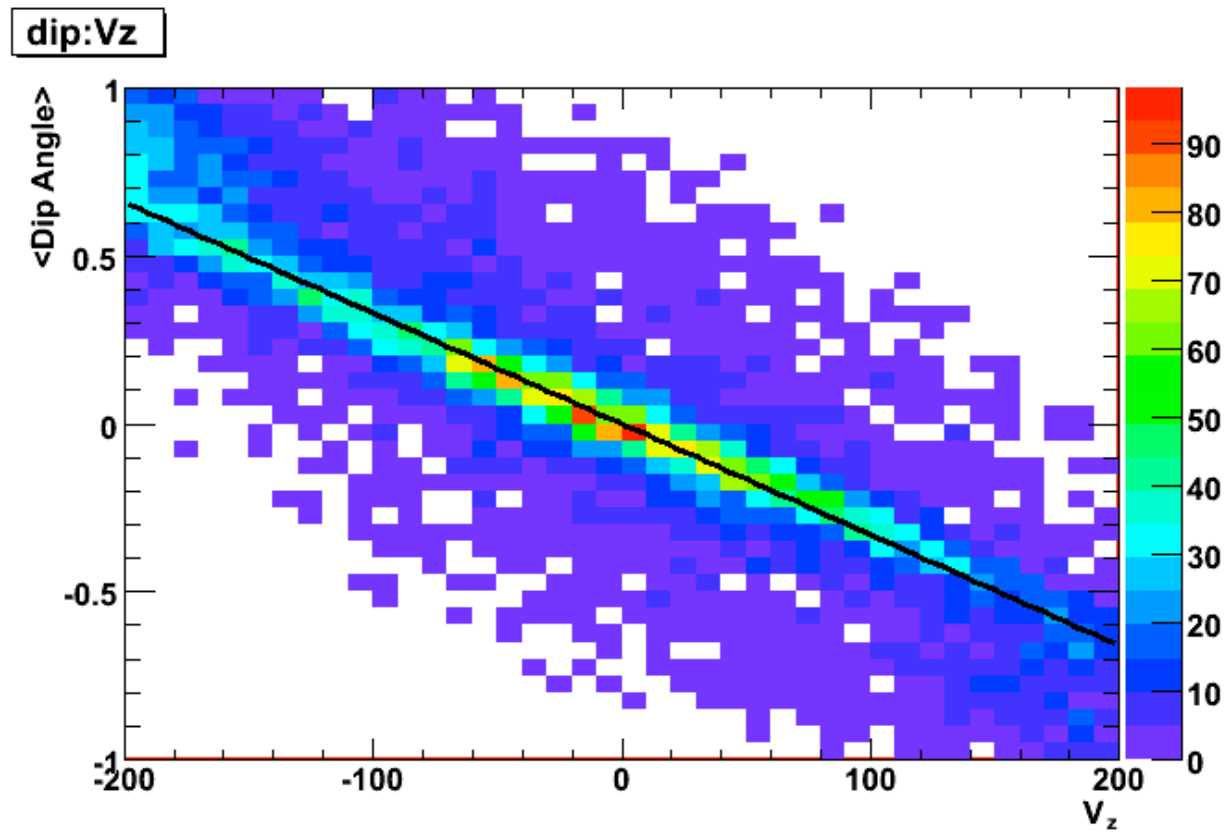
BES update: Identifying Au+Au collisions

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Collisions with $V_r < 2$

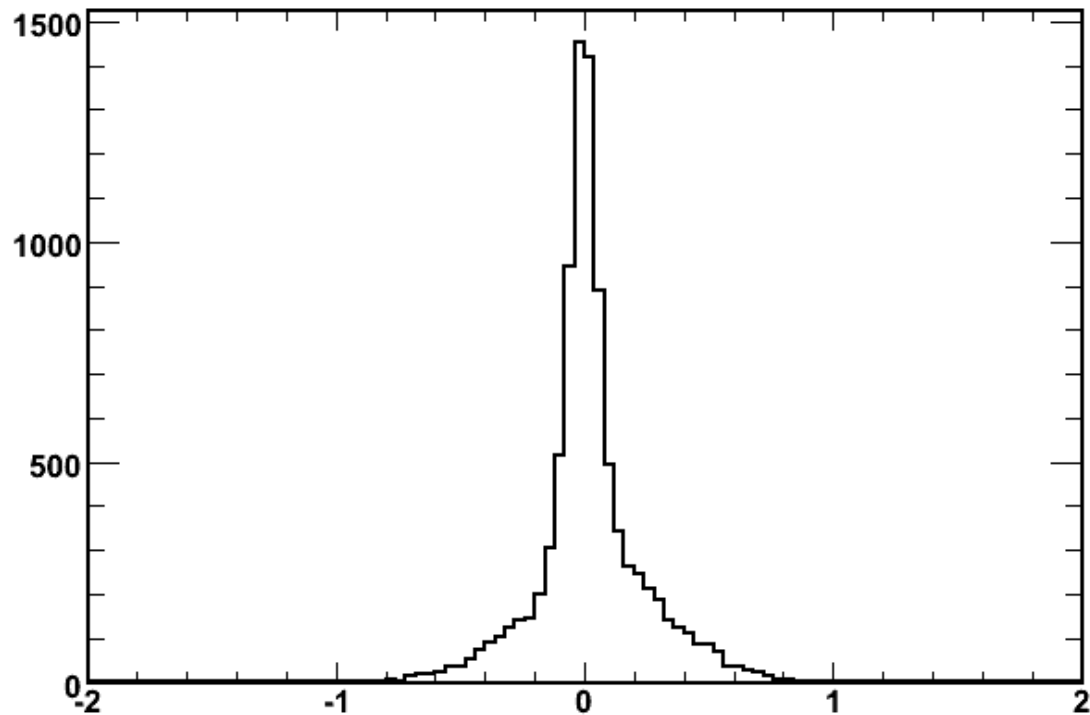
- * preliminary analysis of ~ 9000 events from the subset of produced 7.7 GeV files on rcf
- * applied cut of $rVertex < 2$ cm to study beam-gas contamination via :
 - * dip angle, $zVertex$, & multiplicity distributions

Collisions with $V_r < 2$



Collisions with $V_r < 2$

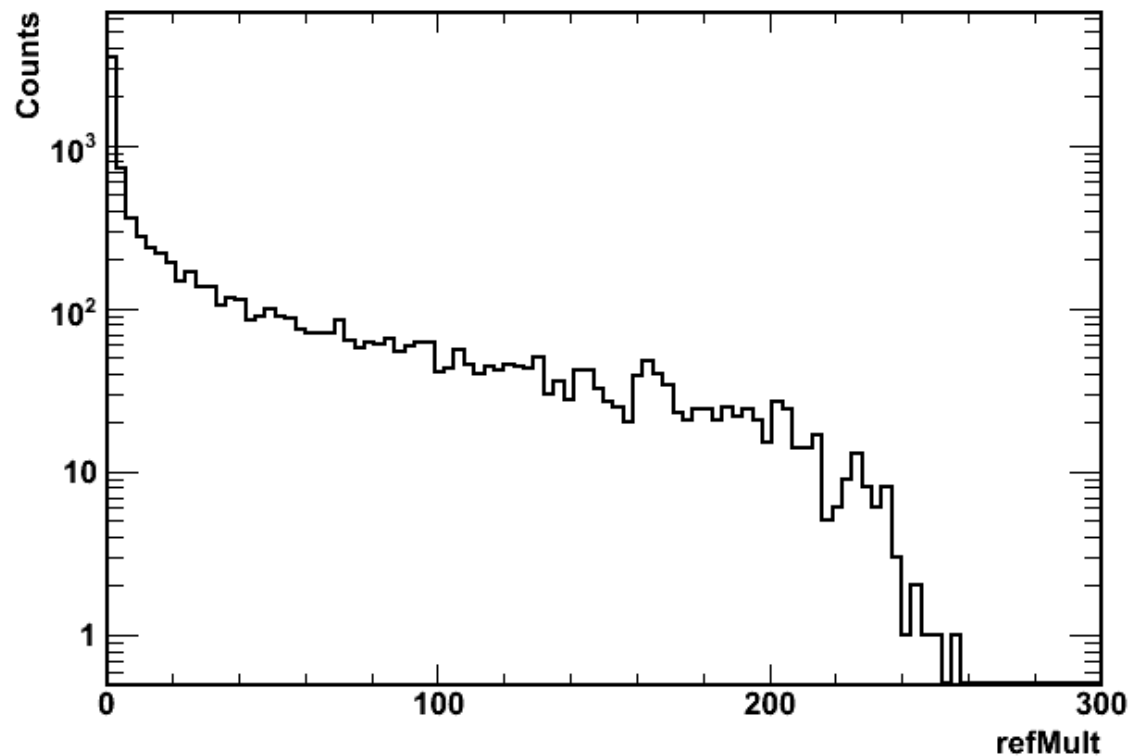
$\langle \text{dip angle} \rangle$ - expected dip angle



$\langle \text{Dip} \rangle - (-0.0033)V_z$ 4

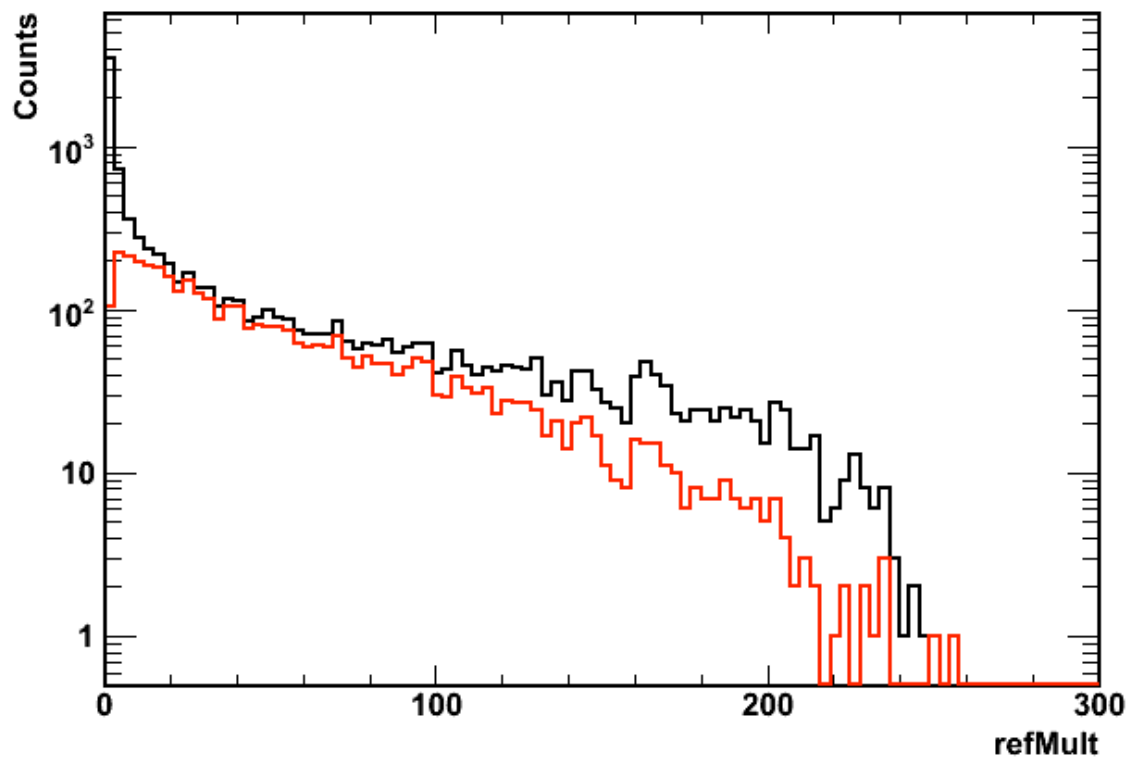
Collisions with $V_r < 2$

- well behaved minbias distribution



Collisions with $V_r < 2$

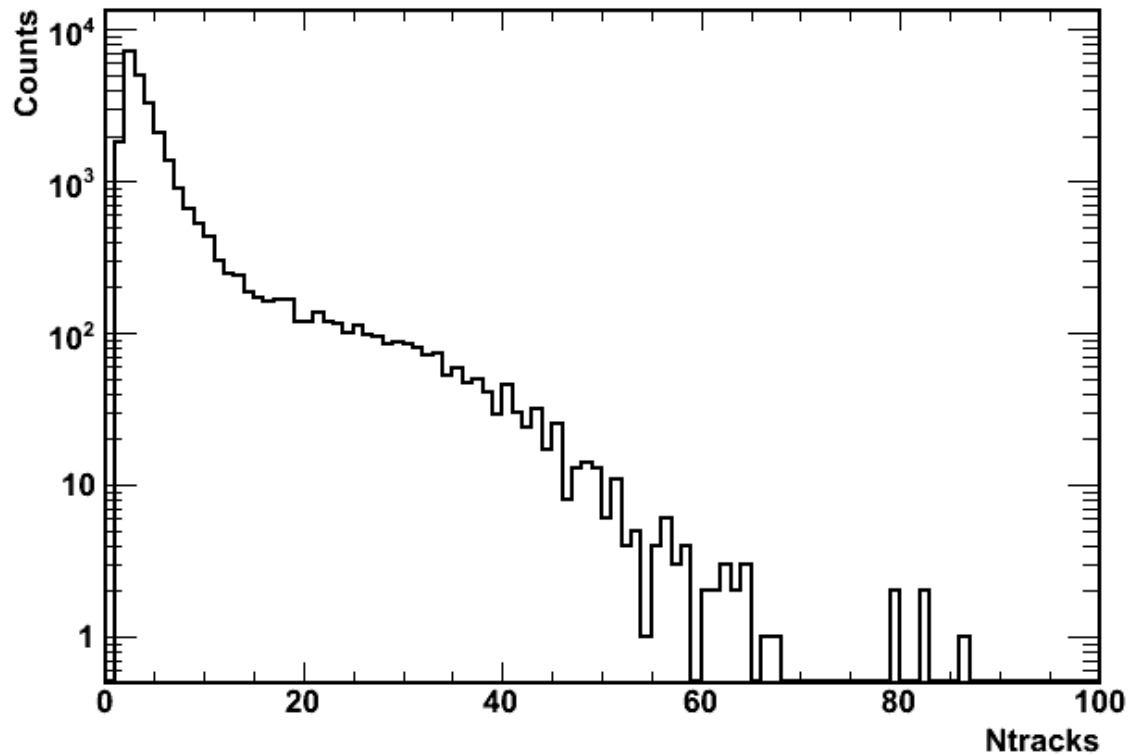
-200 cm < vpd zVertex < 200 cm



Beam-pipe collisions

$rVertex > 2 \text{ cm}$

$|zVertex| > 75 \text{ cm (Aluminum)}$



Conclusions

- * still examining selection criteria
- * no obvious evidence of beam-gas in index 0 vertices
- * $V_r < 2$ cut essential to eliminate beam-pipe collisions