Events Generated with  $b \in [9.81, 12.00]$ TGlauberMC PbPb N<sup>event</sup> = 5000 Corresponding Centrality Bin: 40-60% Event Shape (Unmodified) Scaling: T +T<sub>p</sub> Event Shape (CM Aligned) Event Shape (CM and Ψ<sub>2</sub> Aligned) Scaling: T +T<sub>n</sub> CM :: (-0.00, 0.00) CM :: (-0.01, 0.02) CM :: (-0.00, 0.00) (Arithmetic) (Arithmetic) (Arithmetic)  $\Psi_2 :: 0.0007$ Ψ<sub>2</sub> :: 0.0009 Ψ<sub>2</sub> :: -0.0000 0.8 <u>8</u> 8.0 6.0 Fraction of + Event Shape (CM and Ψ<sub>2</sub> Aligned) Event Shape (Unmodified) Scaling: TATR Event Shape (CM Aligned) Scaling: TATR Scaling: T<sub>A</sub>T<sub>B</sub> CM :: (-0.00, 0.01) CM :: (0.00, -0.00) CM :: (0.00, -0.00) (Geometric) (Geometric) (Geometric)  $\Psi_2 :: 0.0000$ Ψ<sub>2</sub> :: 0.0013 Ψ<sub>2</sub> :: 0.0010 0.2 x [fm] x [fm] x [fm]