Events Generated with  $b \in [9.81, 11.00]$ TGlauberMC PbPb N<sup>event</sup> = 4800 Corresponding Centrality Bin: 40-50% 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, -0.01) CM :: (0.00, -0.00) **CM** :: (-0.00, 0.00) (Arithmetic) (Arithmetic) (Arithmetic) Ψ<sub>2</sub> :: 0.0004 Ψ<sub>2</sub> :: 0.0015 Ψ<sub>2</sub> :: -0.0002 0.8 <u>8</u> 8.0 6.0 Fraction of Event Shape (Unmodified) Scaling: TATR Event Shape (CM Aligned) Scaling: TATR + Event Shape (CM and Ψ<sub>2</sub> Aligned) Scaling: T<sub>A</sub>T<sub>B</sub> CM :: (-0.00, -0.00) CM :: (0.00, -0.00) CM :: (0.00, -0.00) (Geometric) (Geometric) (Geometric)  $\Psi_2 :: -0.0002$ Ψ<sub>2</sub> :: 0.0002 Ψ<sub>2</sub> :: -0.0001 0.2 x [fm] x [fm] x [fm]