

Angularity Update

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JHQ WG Meeting

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Effect of minimum particle p_T cut

- Explore the effect the minimum particle p_T threshold has on angularity spectrum

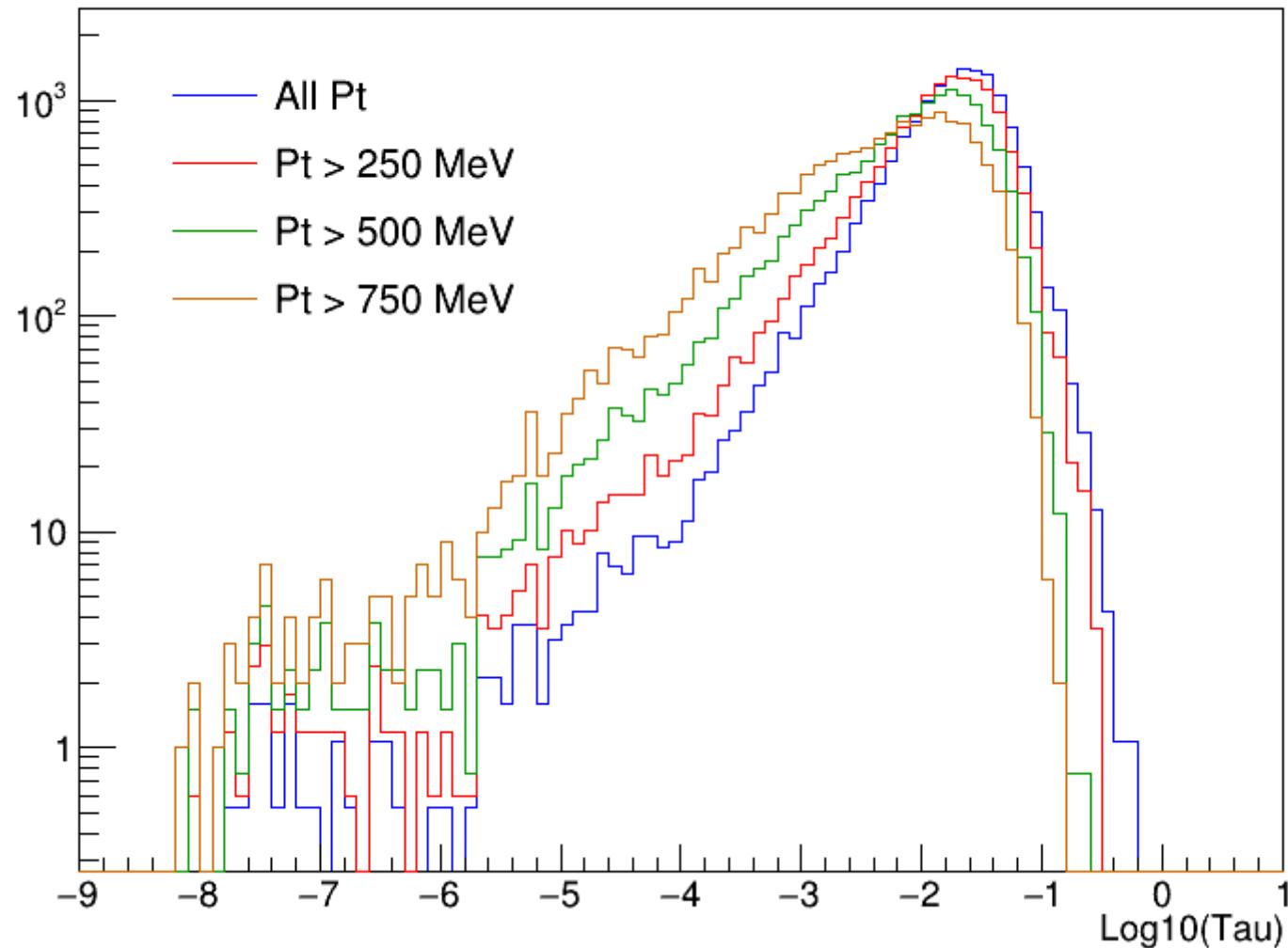
- Do at particle level first

$$\tau_a = \frac{1}{p_T} \sum_{i \in J} p_{Ti} \Delta R_{iJ}^{2-a}$$

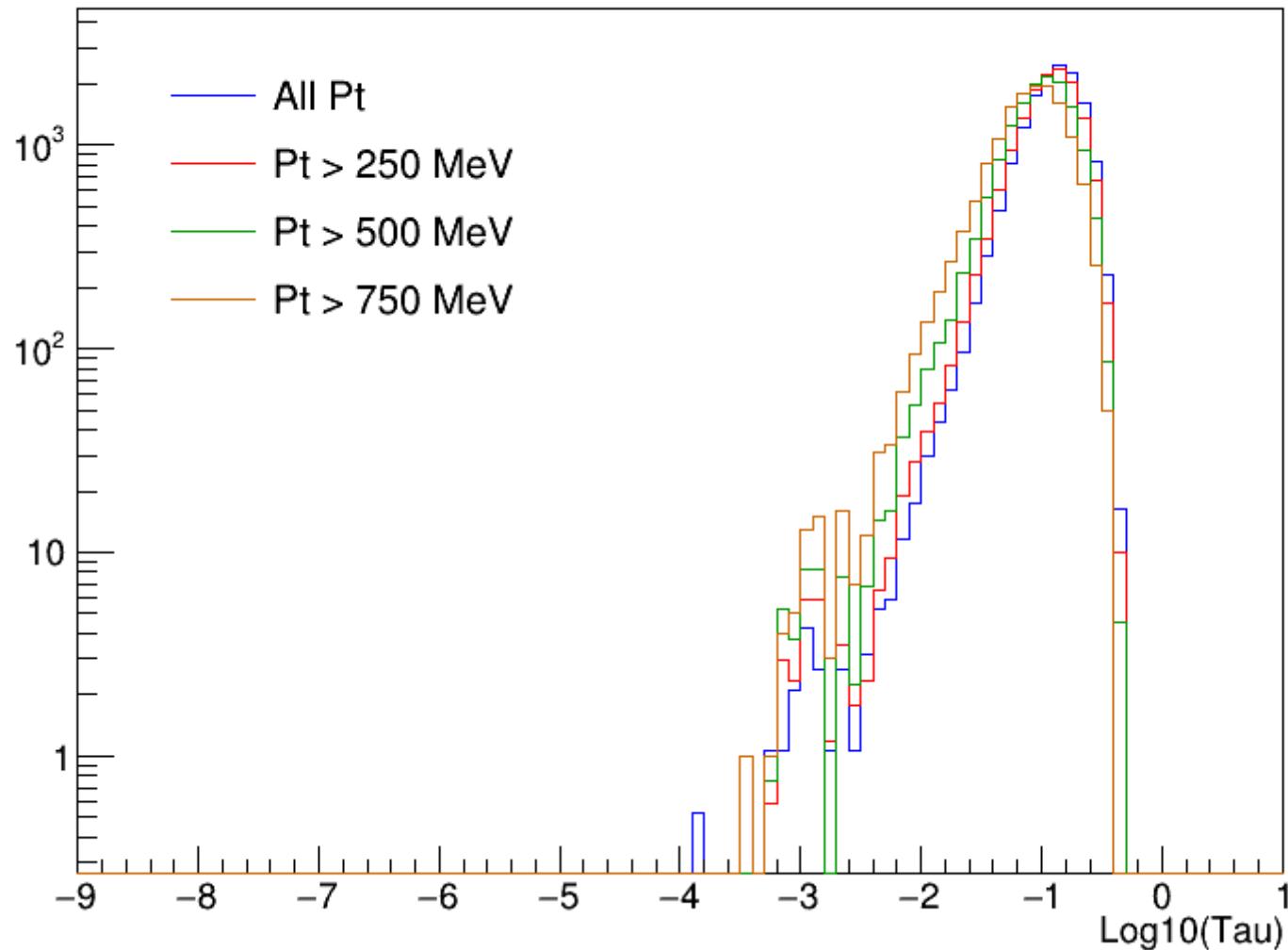
- Relevant for B-field choice

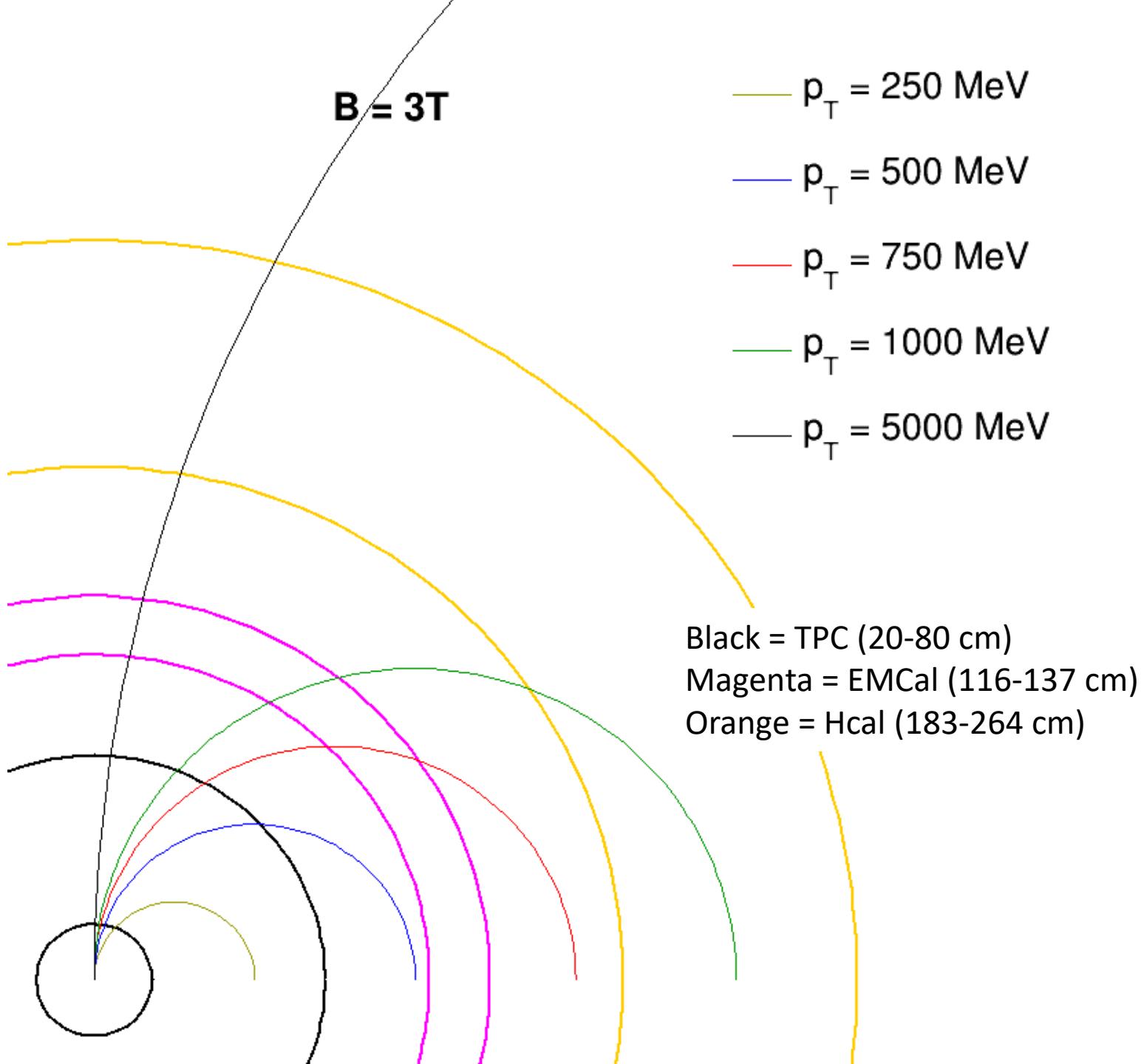
- Simu: PYTHIA 6; $10^{-5} < Q^2 < 1$; $|\text{particle Eta}| < 3.5$; Jet $p_T > 10$ GeV

Jet Angularity ($a = -2.0$): $pT > 10$ GeV



Jet Angularity ($a = 0.5$): $pT > 10$ GeV





B = 1.5T

