

JER Exam Report

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Process for Two Sample

Different Workflow:

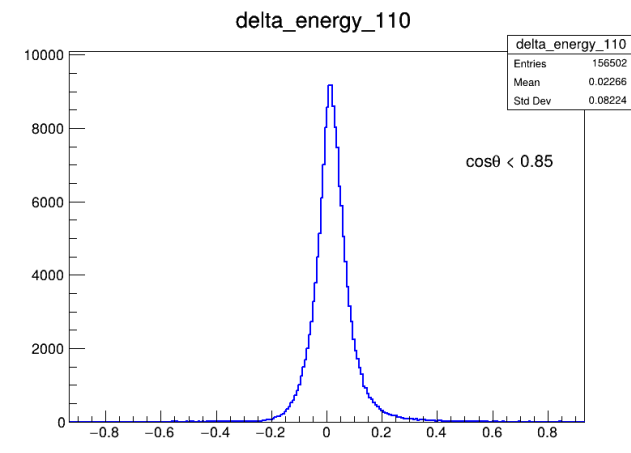
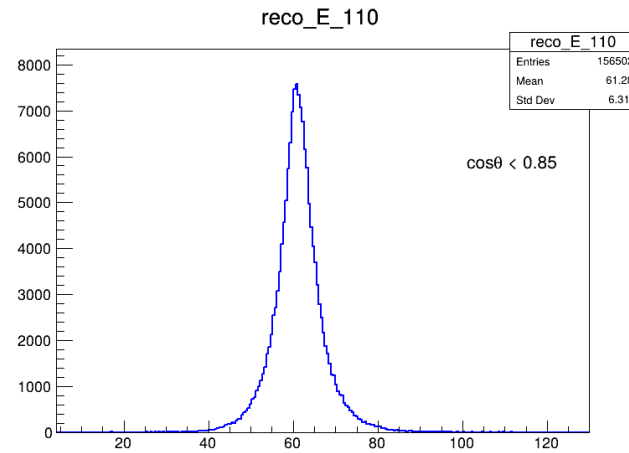
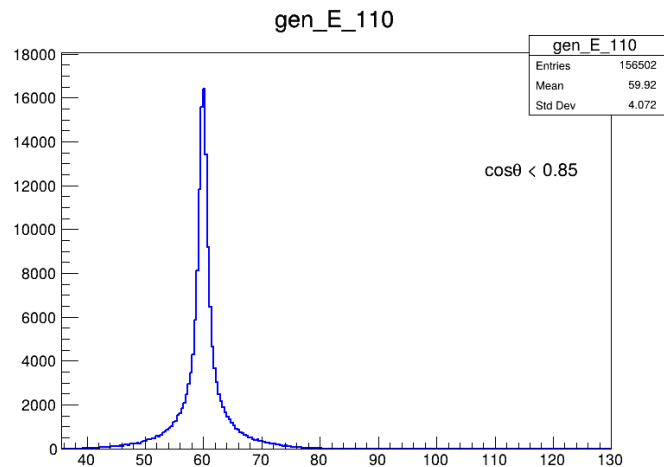
- **My Sample:** Kaili' s eeuu stdhep, JER calculate by my workflow
- **Mingqia's Sample:** Mingqia' s eebb stdhep, JER calculate by my workflow

Same Selection:

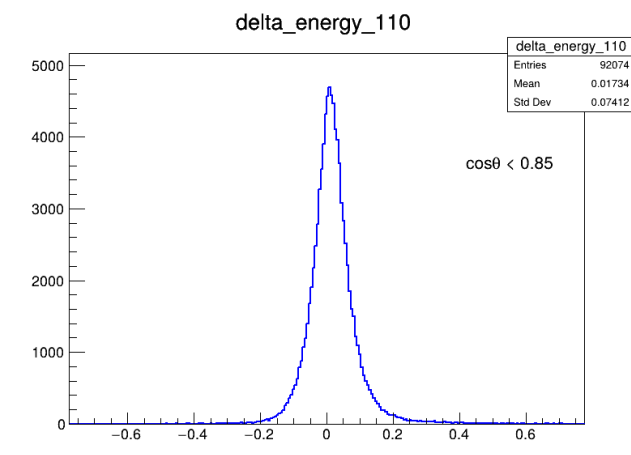
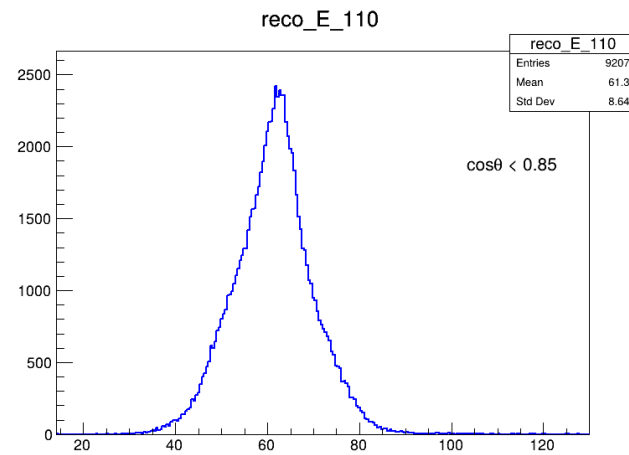
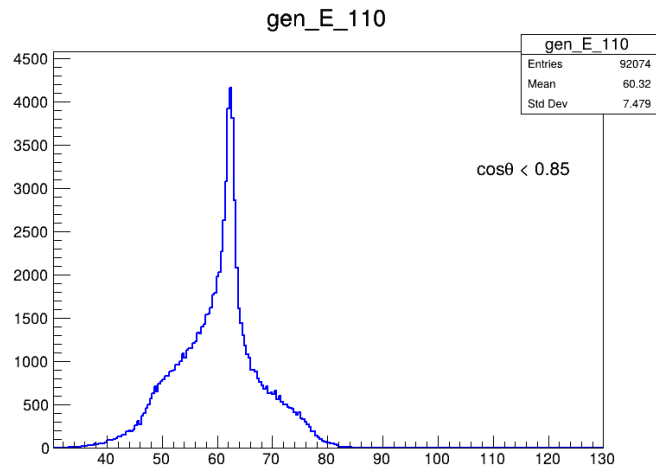
- $dR < 0.4$
- $\text{jet1_ID} \neq \text{jet2_ID}$
- $\cos\theta < 0.85$ (barrel)
- Gen_E belong to (110, 130)[GeV]

Single Jet Energy Performance

My



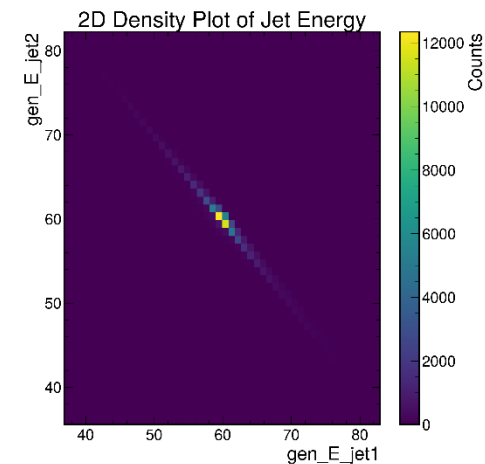
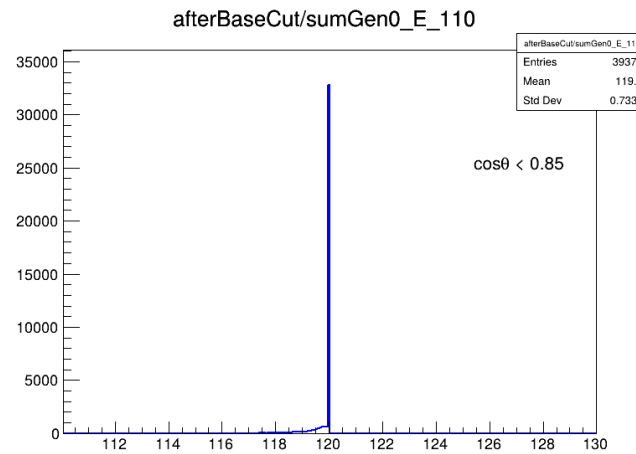
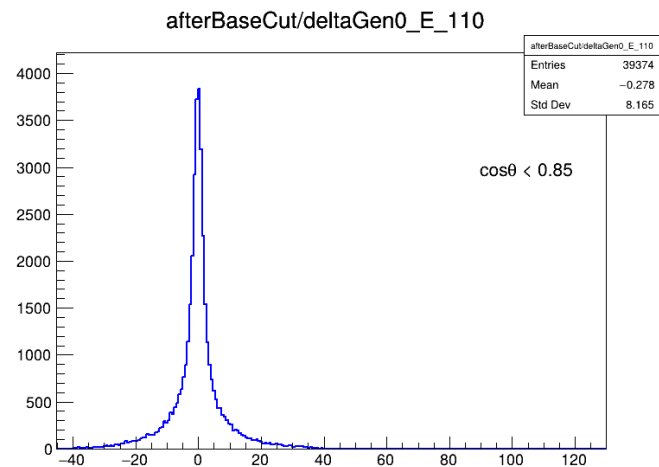
Mingqia



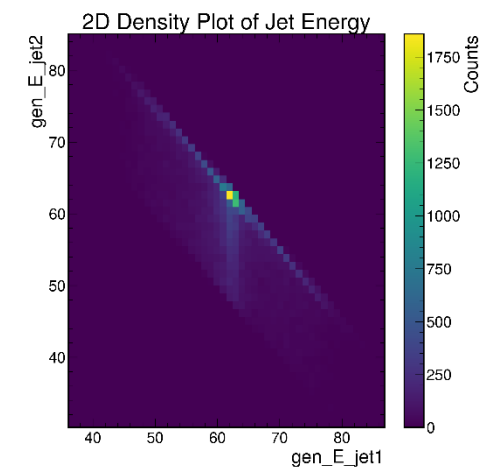
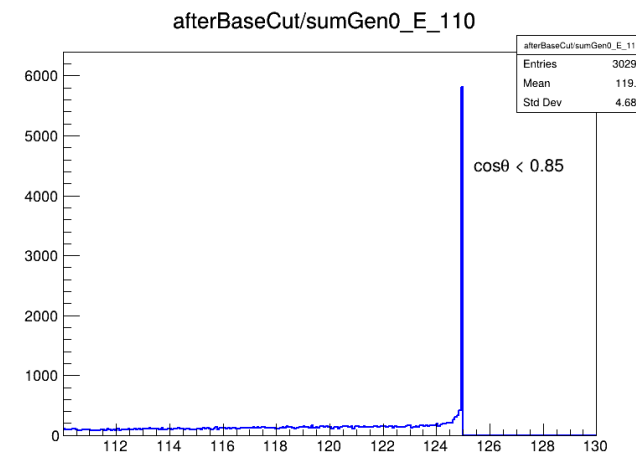
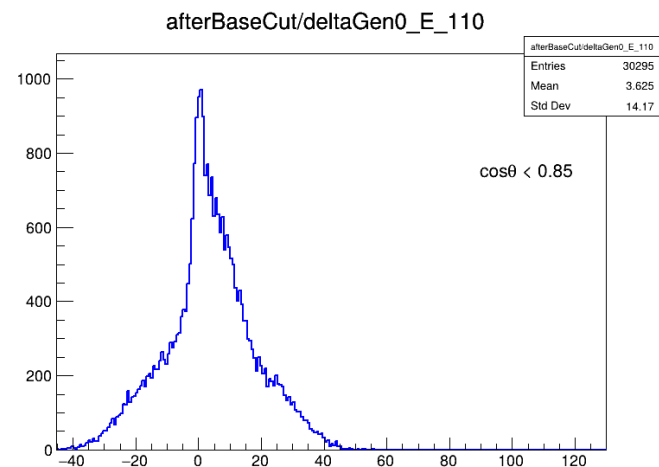
■ $\text{delta_E} = \text{Gen_E} - \text{Reco_E}$

Jet Pair Energy Performance

My



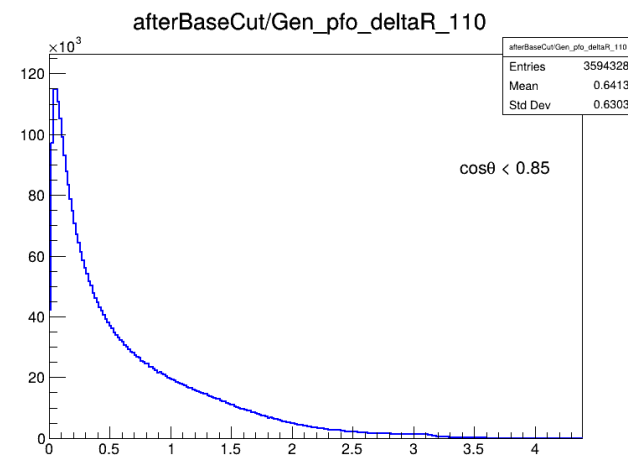
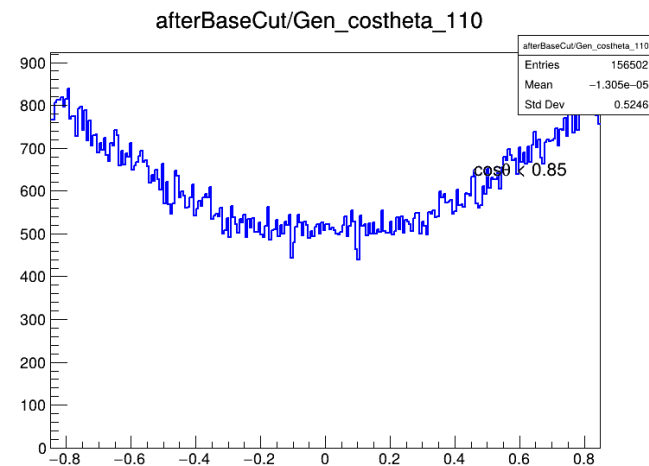
Mingqia



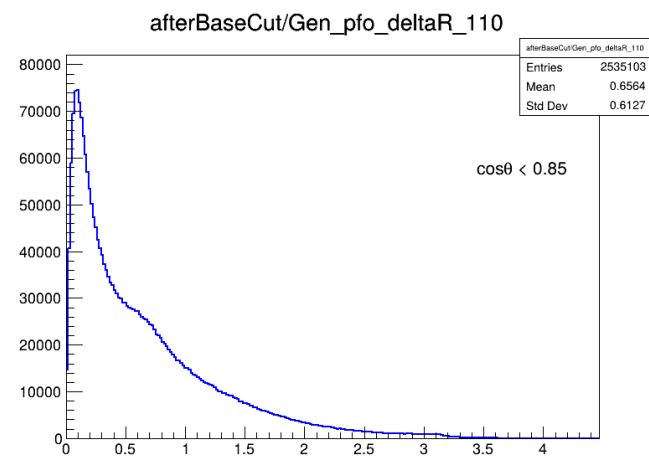
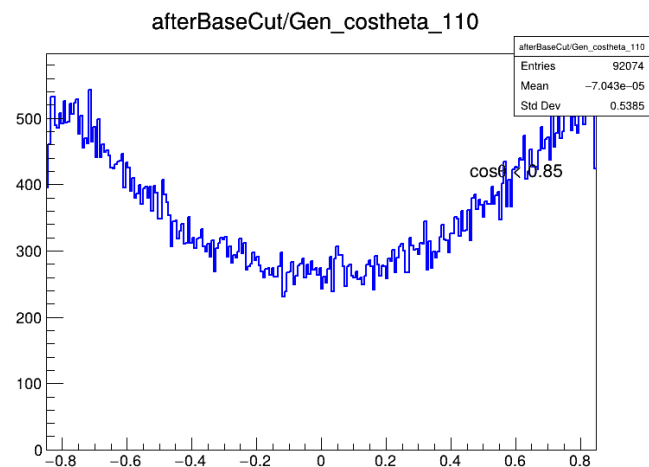
- $\text{deltaGen_E} = \text{Gen_E}(\text{jet1}) - \text{Gen_E}(\text{jet2})$
- $\text{sumGen_E} = \text{Gen_E}(\text{jet1}) + \text{Gen_E}(\text{jet2})$

Jet Direction Information

My

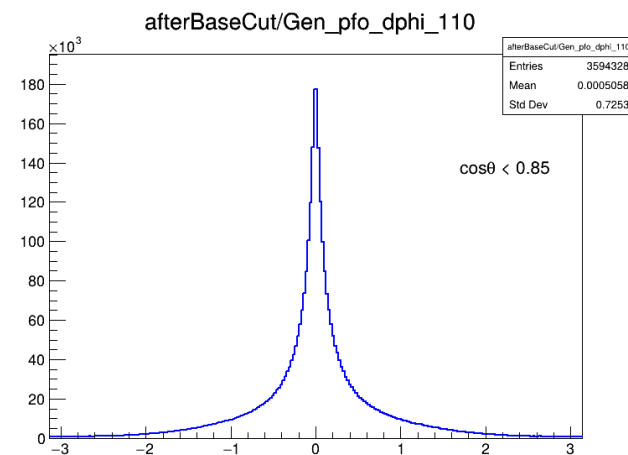
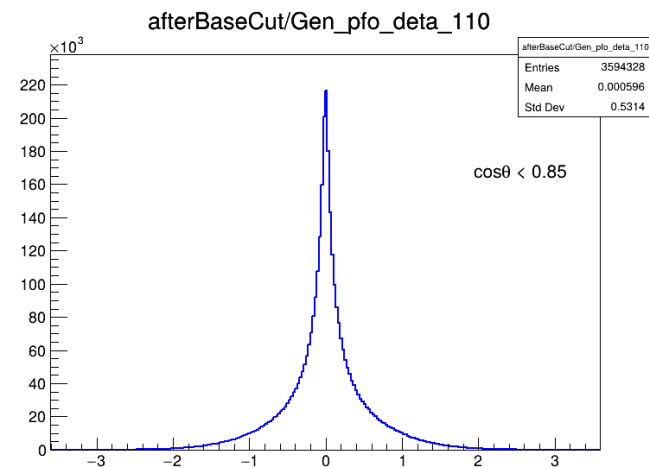


Mingqia

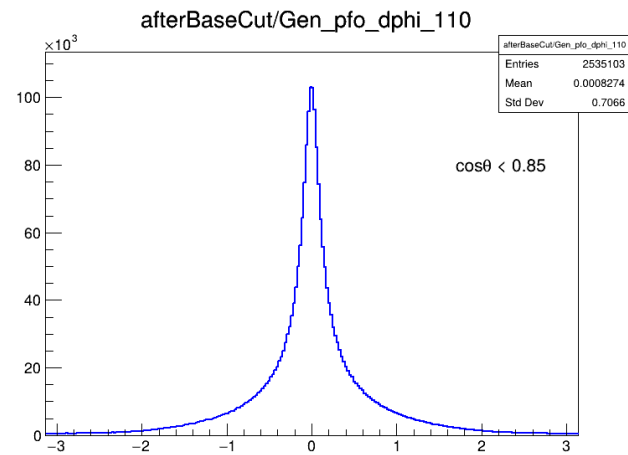
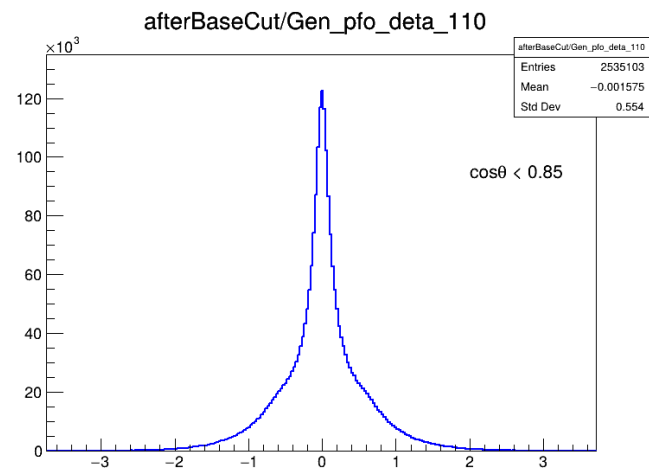


Jet Direction Information

My



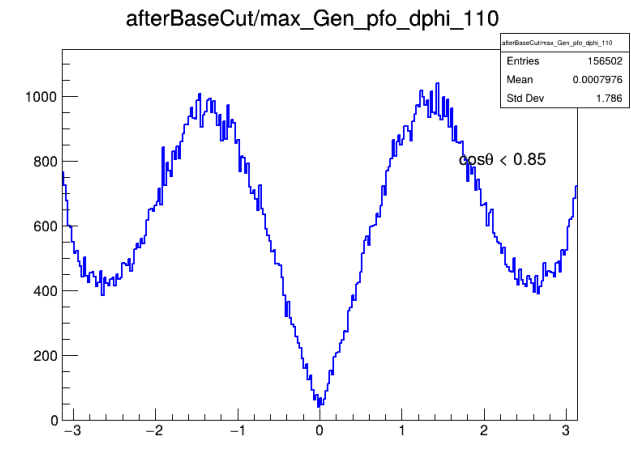
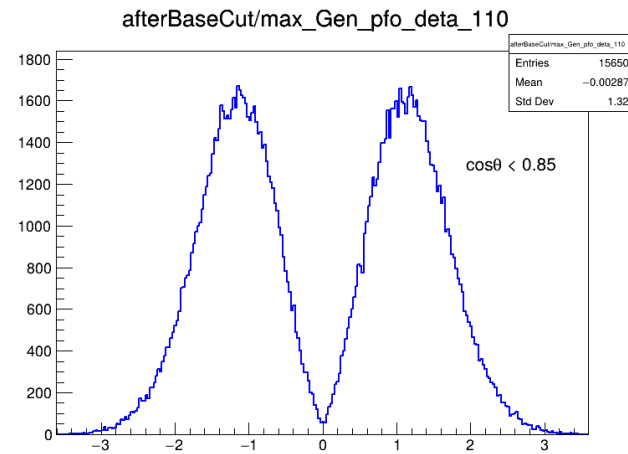
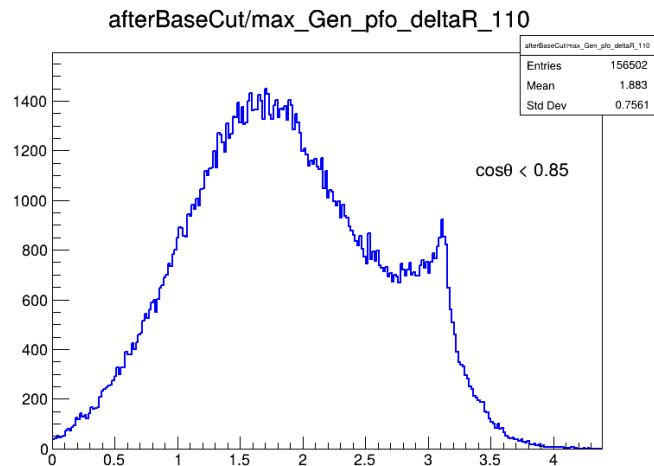
Mingqia



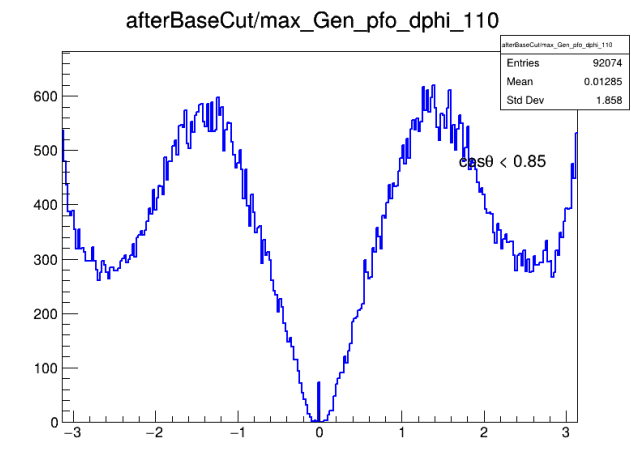
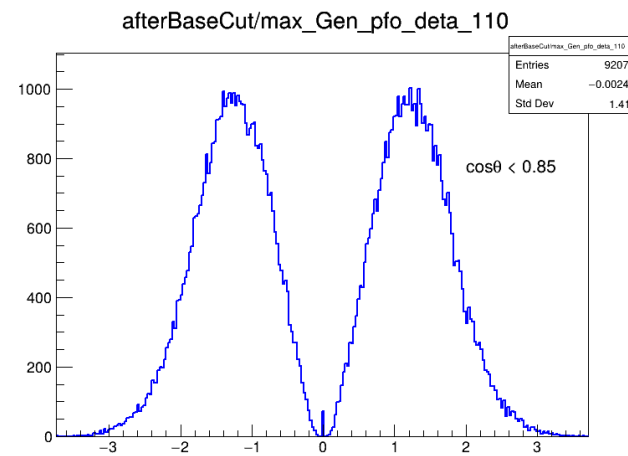
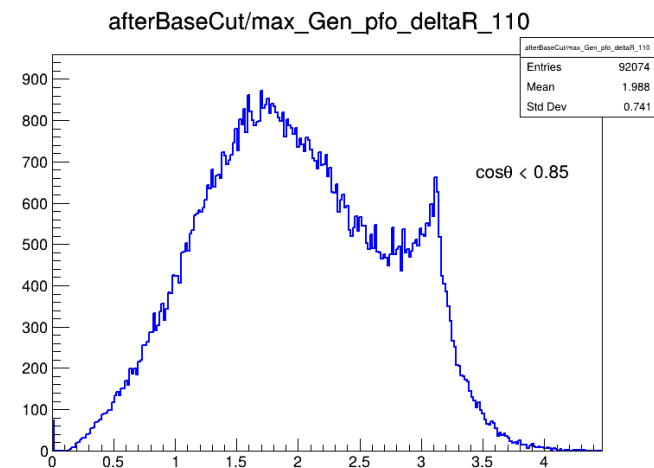
Jet Direction Information

- “Max” means only choose the max value at all PFO value in one jet and put in to histogram

My

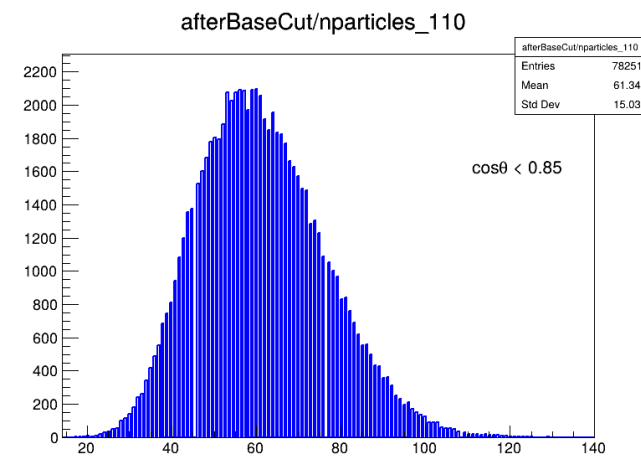
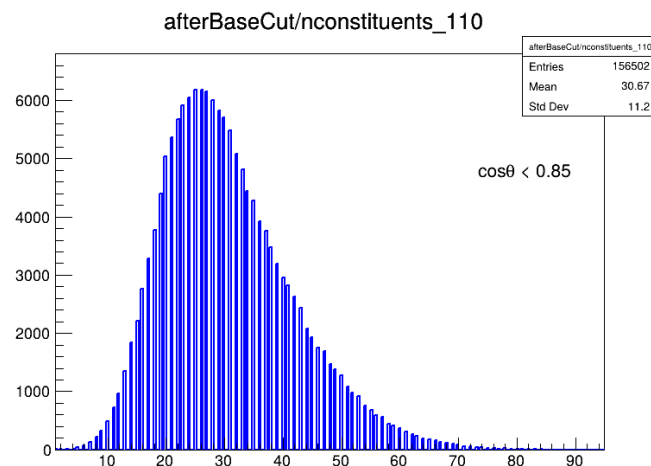


Mingqia

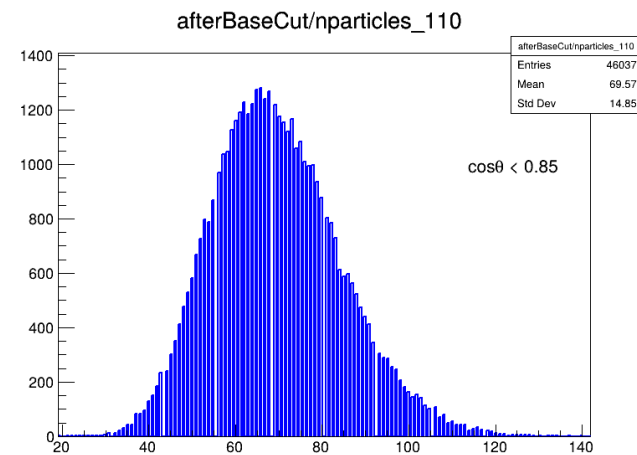
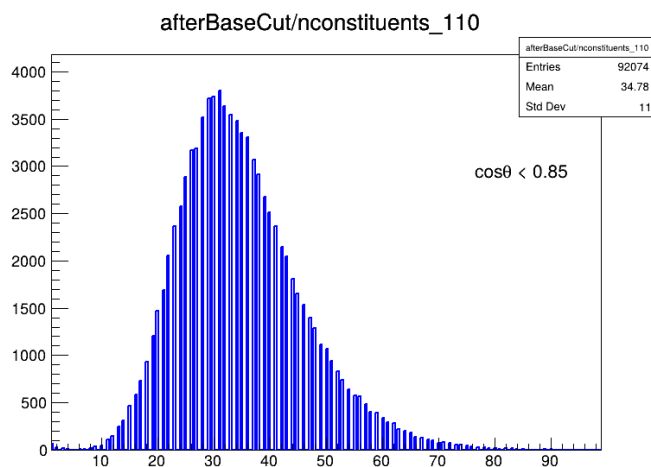


Jet Component Information

My

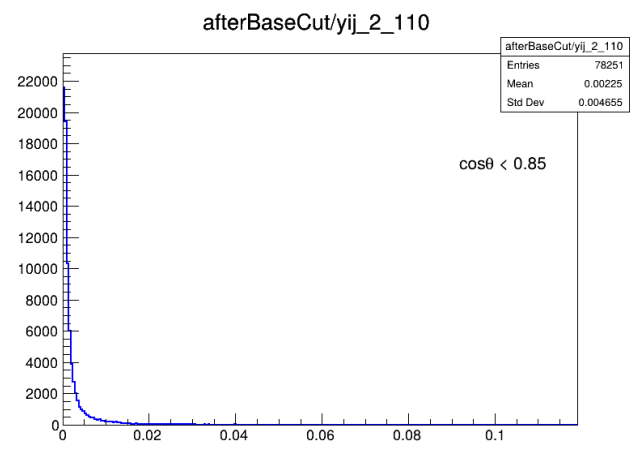
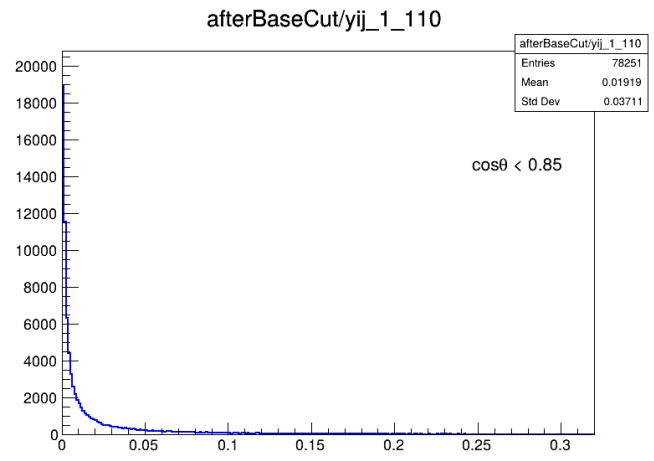
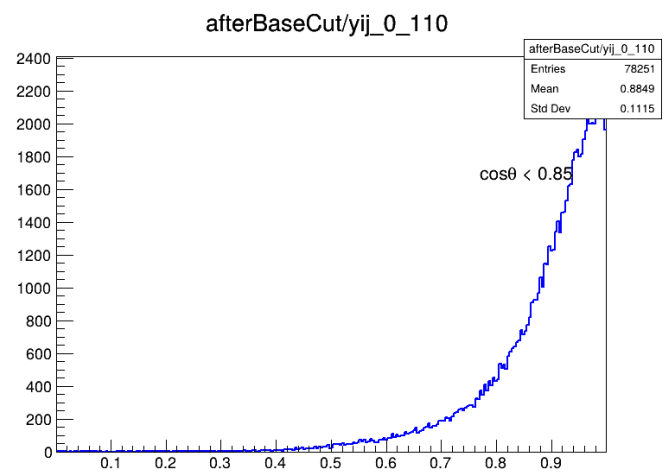


Mingqia



Jet Cluster Performance

My



Mingqia

