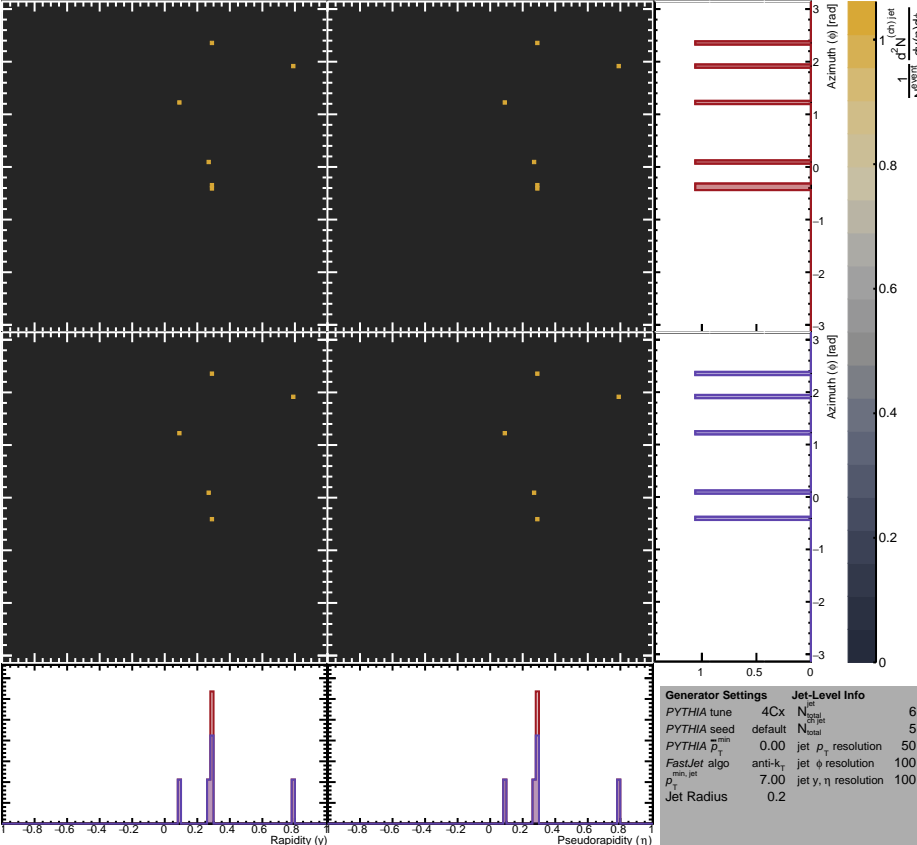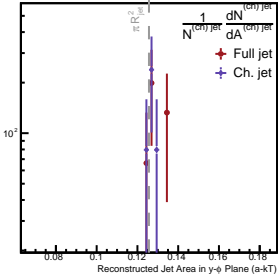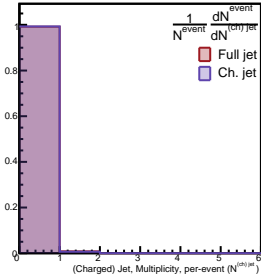# Event Generation Summary Sheet (Jets)
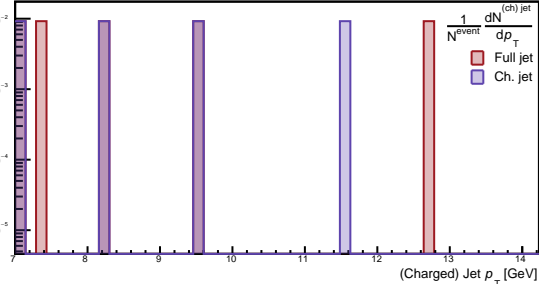
PYTHIA **pp**, $\sqrt{s}$ = 2760 GeV, N^{event} = 750

Generator Settings		Jet-Level Info	
PYTHIA tune	4Cx	N^{jet}_{total}	6
PYTHIA seed	default	$N_{total}^{ch. jet}$	5
PYTHIA $\bar{p}_T^{min}$	0.00	jet p_T resolution	50
FastJet algo	anti-k_T	jet ϕ resolution	100
$p_T^{min, jet}$	7.00	jet y, η resolution	100
Jet Radius	0.2		

Event Generation Summary Sheet (Constituents)

PYTHIA **pp**, $\sqrt{s}$ = 2760 GeV, N^{event} = 750

$\frac{1}{N^{event}}\frac{dN^{(ch)\,cst}}{dp_T}$

Full cst

Ch. cst

(Charged) Constituent p_T [GeV]

$\frac{1}{N^{(ch)\,jet}}\frac{dN^{(ch)\,jet}}{dN^{(ch)\,cst}}$

Full cst

Ch. cst

(Charged) Constituent Multiplicity, per-jet ($N^{(ch)\,cst}$)

Azimuth (ϕ) [rad]

$\frac{1}{N^{event}}\frac{d^2N^{(ch)\,cst}}{dy(\eta)d\phi}$

Rapidity (y)

Pseudorapidity (η)
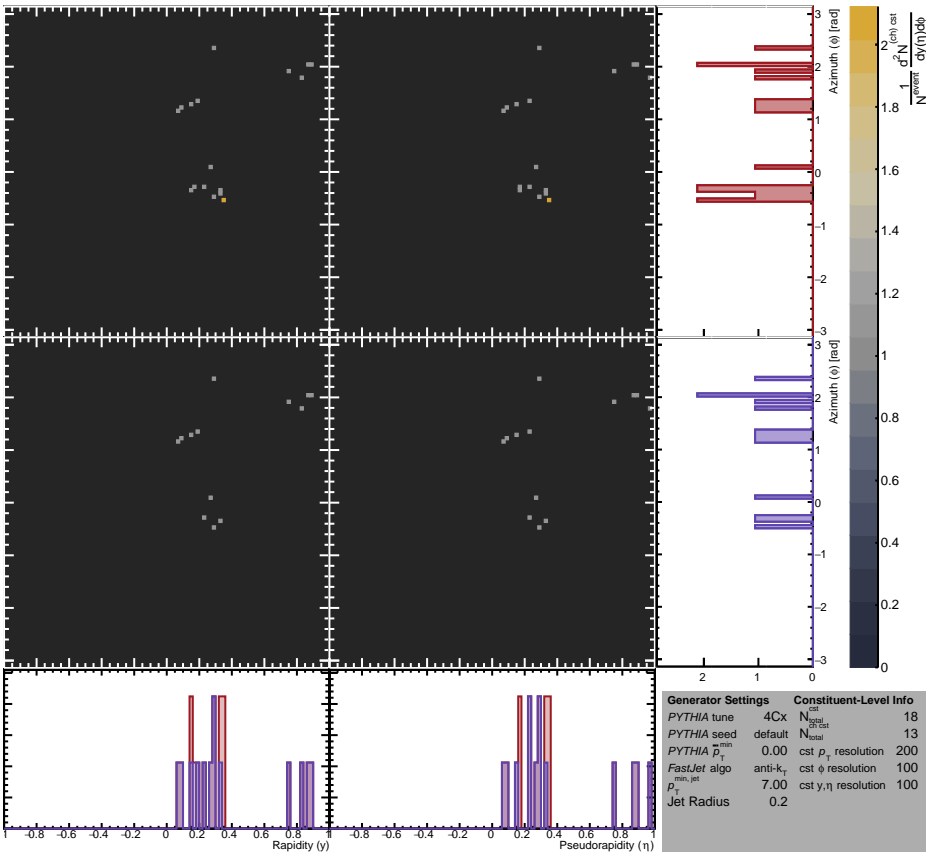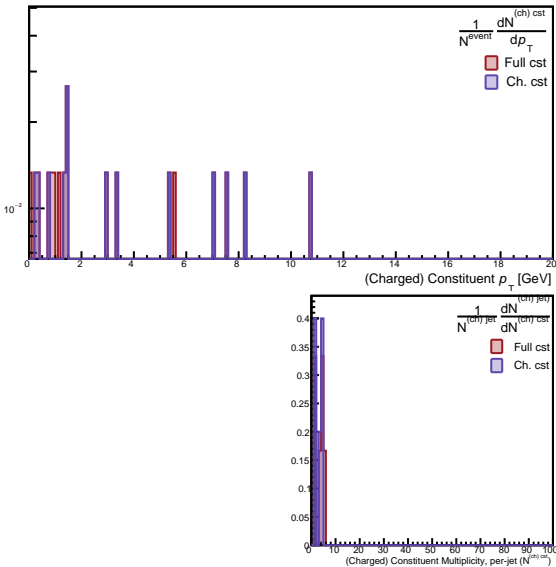
Generator Settings		Constituent-Level Info	
PYTHIA tune	4Cx	N^{cst}_{total}	18
PYTHIA seed	default	$N^{ch\,cst}_{total}$	13
PYTHIA p_T^{min}	0.00	cst p_T resolution	200
FastJet algo	anti-k_T	cst ϕ resolution	100
$p_T^{min,\,jet}$	7.00	cst y,η resolution	100
Jet Radius	0.2		

Event Generation Summary Sheet (Tracks)

Plots:

- $\frac{1}{N^{event}} \frac{dN^{(ch)\,trk}}{dp_T}$ — Full trk / Ch. trk — (Charged) Track p_T [GeV]
- $\frac{1}{N^{event}} \frac{dN^{event}}{dN^{(ch)\,trk}}$ — Full trk / Ch. trk — (Charged) Track, Multiplicity, per-event ($N^{(ch)\,trk}$)
- $\frac{1}{N^{event}} \frac{dN^{event}}{d\Delta E}$ — Deviation from Energy Conservation (ΔE) [GeV]
- Azimuth (ϕ) [rad] — $\frac{1}{N^{event}} \frac{d^2N^{(ch)\,trk}}{d\eta\,d\phi}$
- Rapidity (y)
- Pseudorapidity (η)
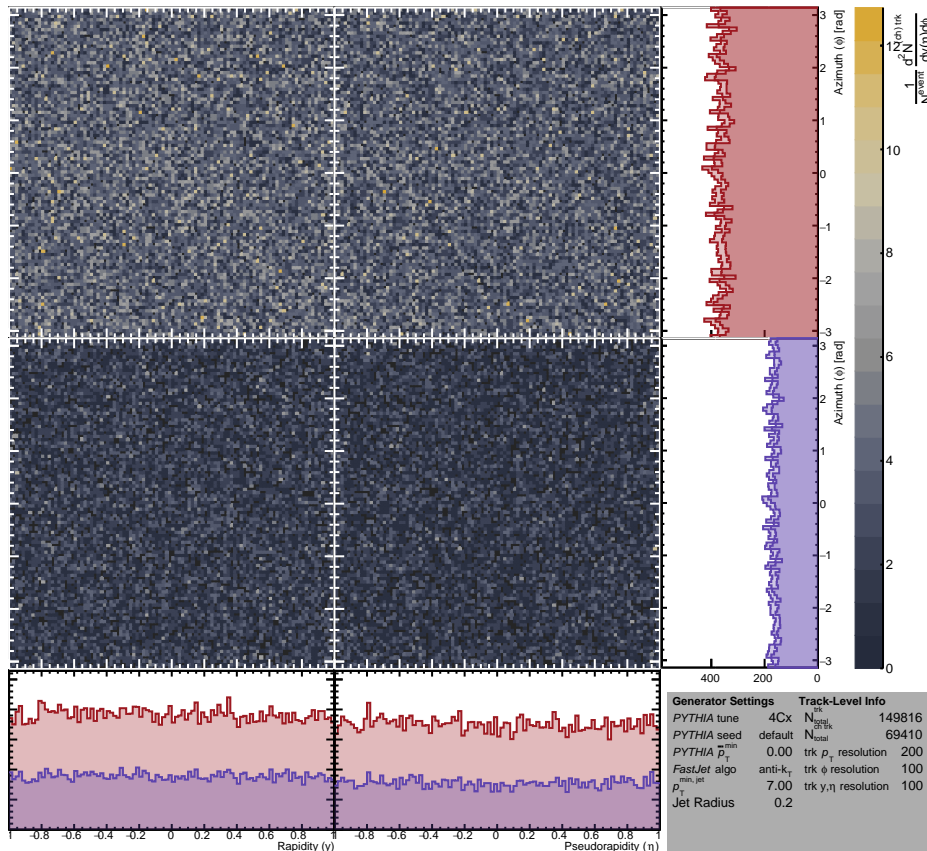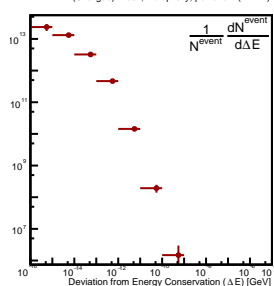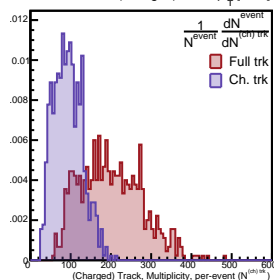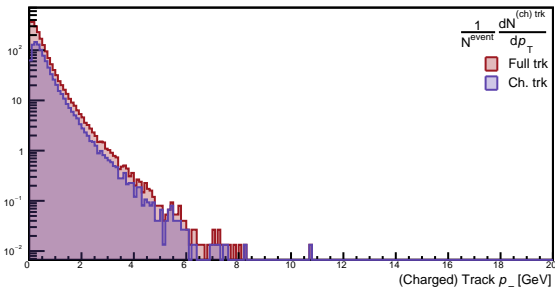
Generator Settings		Track-Level Info	
PYTHIA tune	4Cx	N$^{trk}_{total}$	149816
PYTHIA seed	default	N$^{ch.trk}_{total}$	69410
PYTHIA $\overline{p}_T^{min}$	0.00	trk p_T resolution	200
FastJet algo	anti-k$_T$	trk ϕ resolution	100
$p_T^{min,\,jet}$	7.00	trk y,η resolution	100
Jet Radius	0.2		