

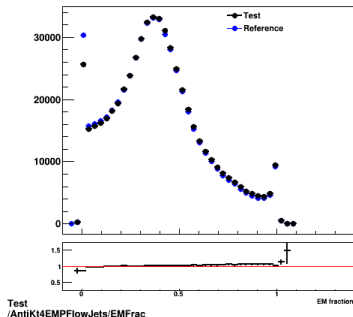
Validation of v4 Best Knowledge
Conditions Tag for MC (mc16e)
Validation of EPOS vs pythia min-bias
tune

Sergei Chekanov, Christian Kirfel

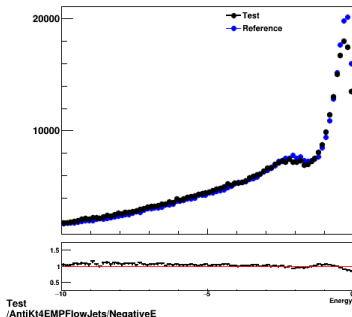
21st April 2021

Validation of v4, no pile-up, ref: run-2

EM Fraction



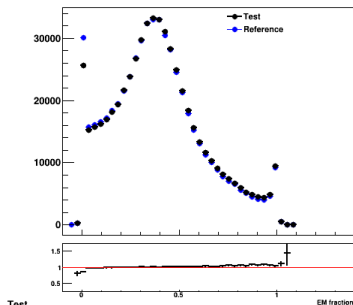
Negative E in Jet



- Red plots for PFlow: EMFraction, associated tracks, negative E, Jet width
- Topo: 50% red plots
- See [plots](#)

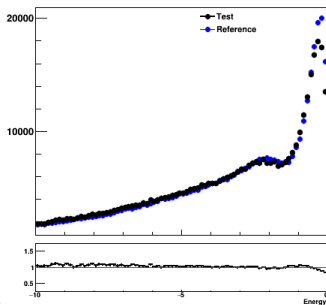
Validation of v4, no pile-up, ref v2

EM Fraction



Test
/AntiK14EMPFlowJets/EMFrac

Negative E in Jet

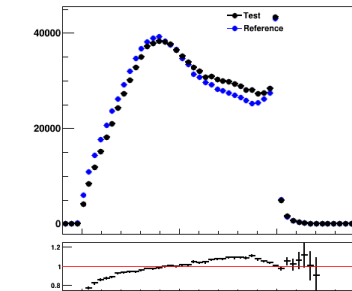


Test
/AntiK14EMPFlowJets/NegativeE

- Red plots for PFlow: EMFraction, negative E, Jet width
- Red plots for Topo: 50 % red
- See [plots](#)

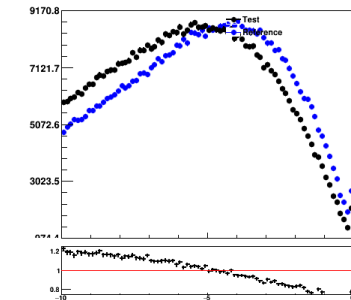
Validation of v4, with pile-up, ref: run-2

EM Fraction



Test /AntiK14EMPFJet/EMFrac

Negative E in Jet

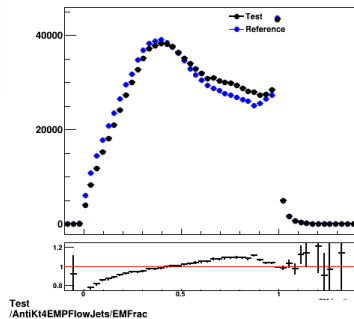


Test /AntiK14EMPFJet/NegativeE

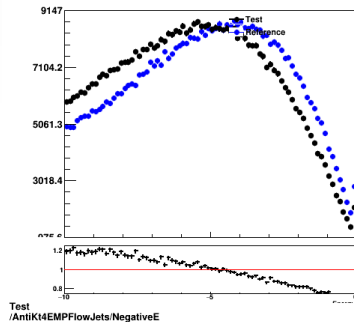
- Red plots for PFlow: EMFraction, associated tracks, negative E, Jet width
- Topo: 50% red plots
- See [plots](#)

Validation of v4, with pile-up, ref v2

EM Fraction



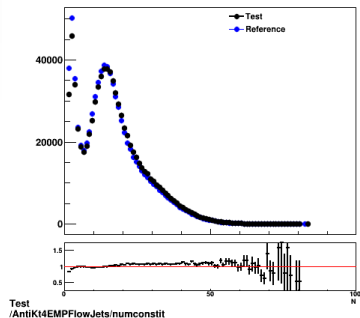
Negative E in Jet



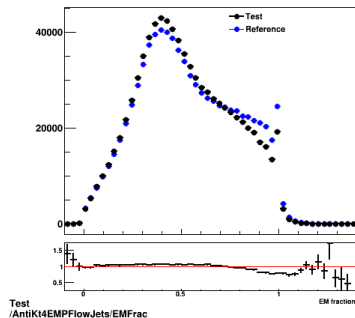
- 50 % red plots
- See [plots](#)

Task 2 Validation of EPOS vs pythia min-bias tune

Number of constituents



EM Fraction



- 50 % of plots are marked red
- See [plots](#)