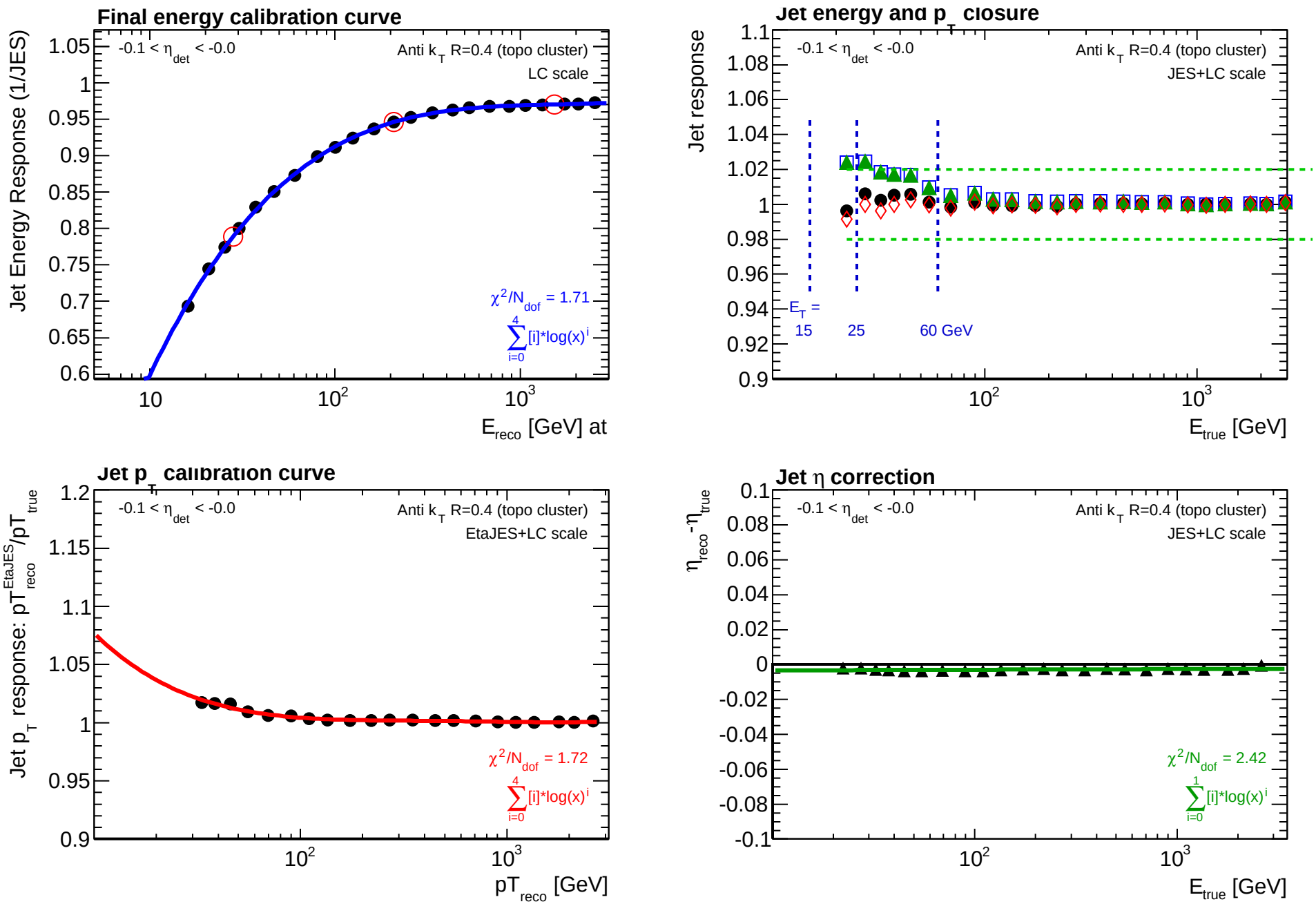
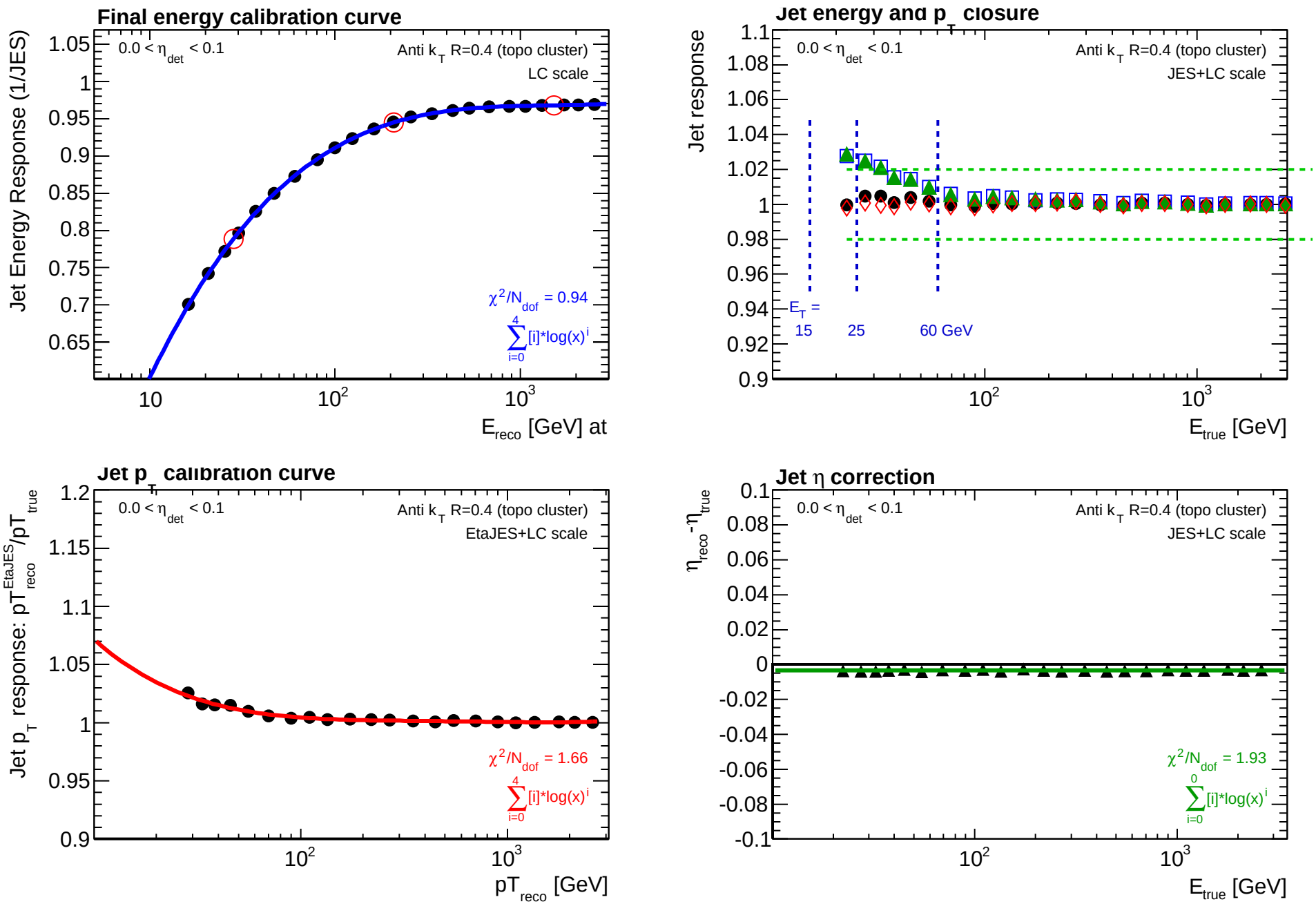
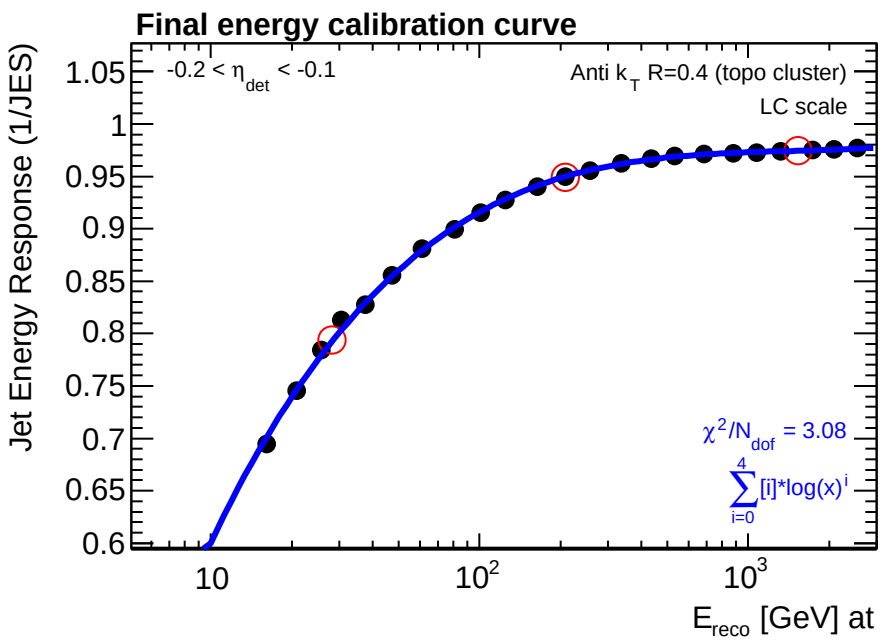
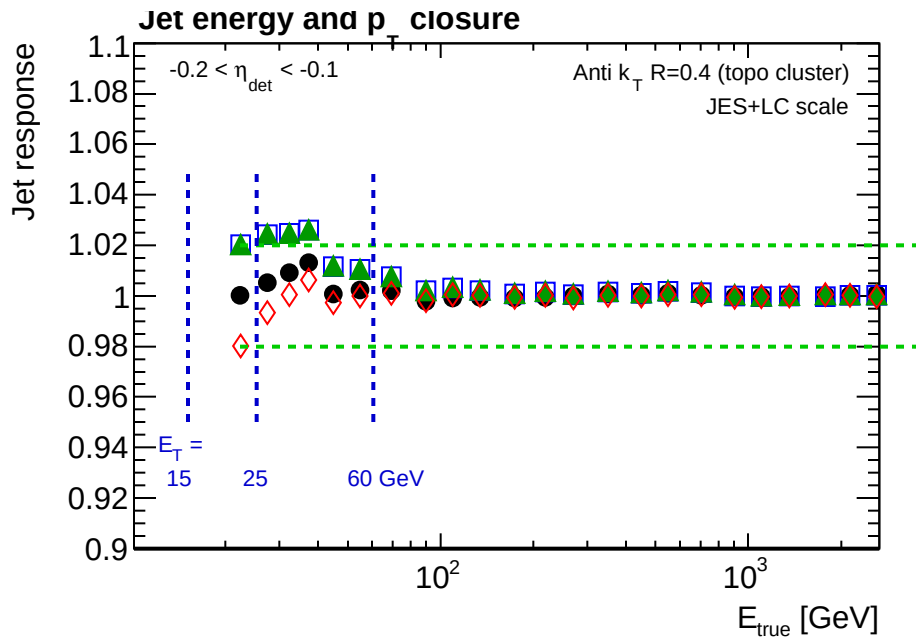
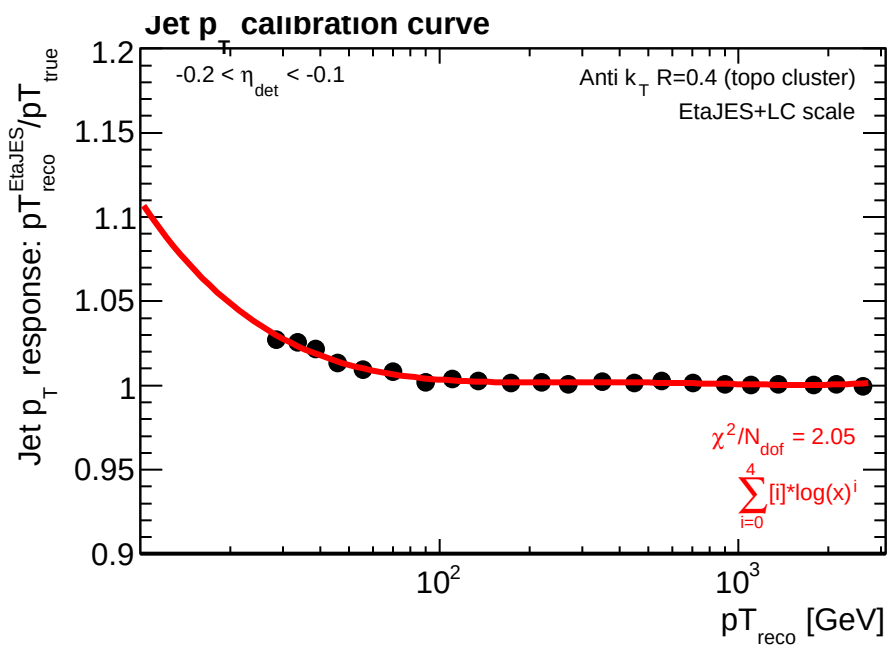
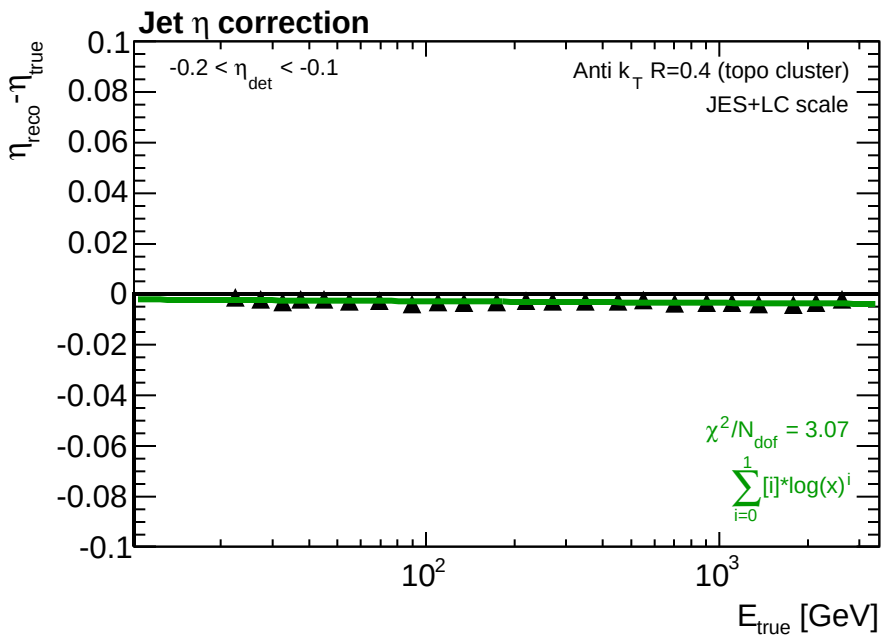

Final energy calibration curve
-0.1 < η_det < -0.0
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.71
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-0.1 < η_det < -0.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-0.1 < η_det < -0.0
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.72
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-0.1 < η_det < -0.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 2.42
Σ_{i=0}^{1} [i]*log(x)^i
E_true [GeV]

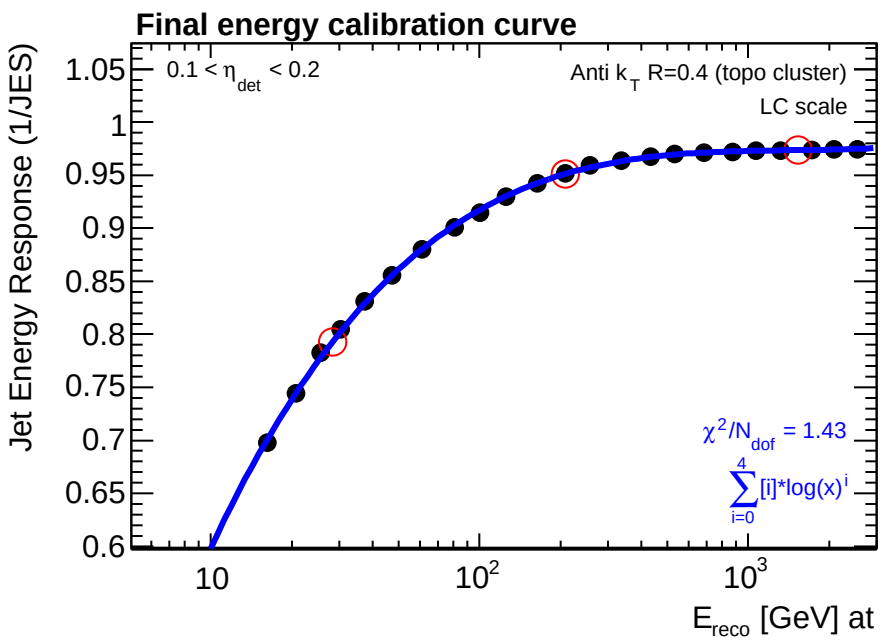

Final energy calibration curve
0.0 < η_det < 0.1
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 0.94
Σ_{i=0}^{4} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
0.0 < η_det < 0.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
0.0 < η_det < 0.1
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 1.66
Σ_{i=0}^{4} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
0.0 < η_det < 0.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 1.93
Σ_{i=0}^{0} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

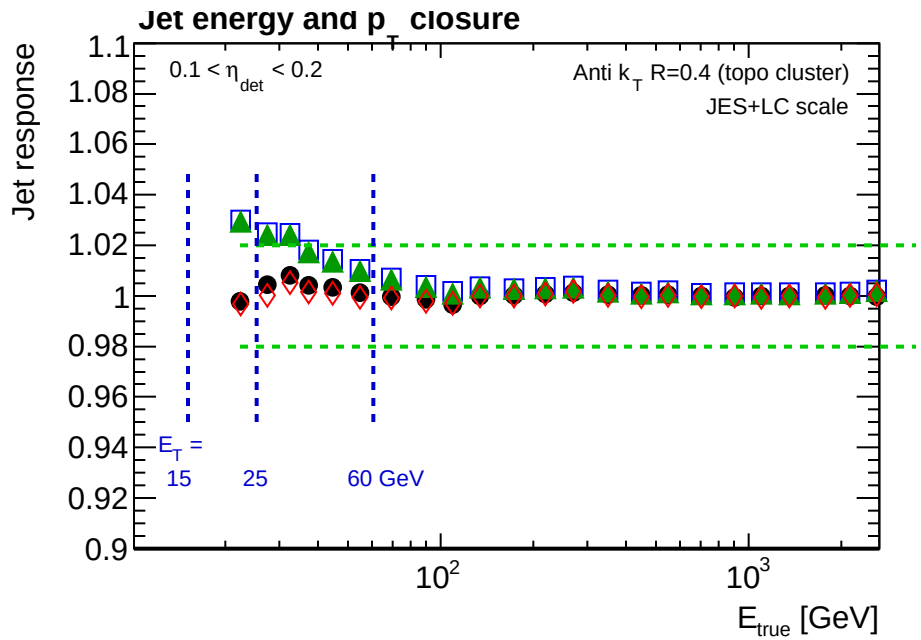

Final energy calibration curve
-0.2 < η_det < -0.1
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 3.08
Σ_{i=0}^{4} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at

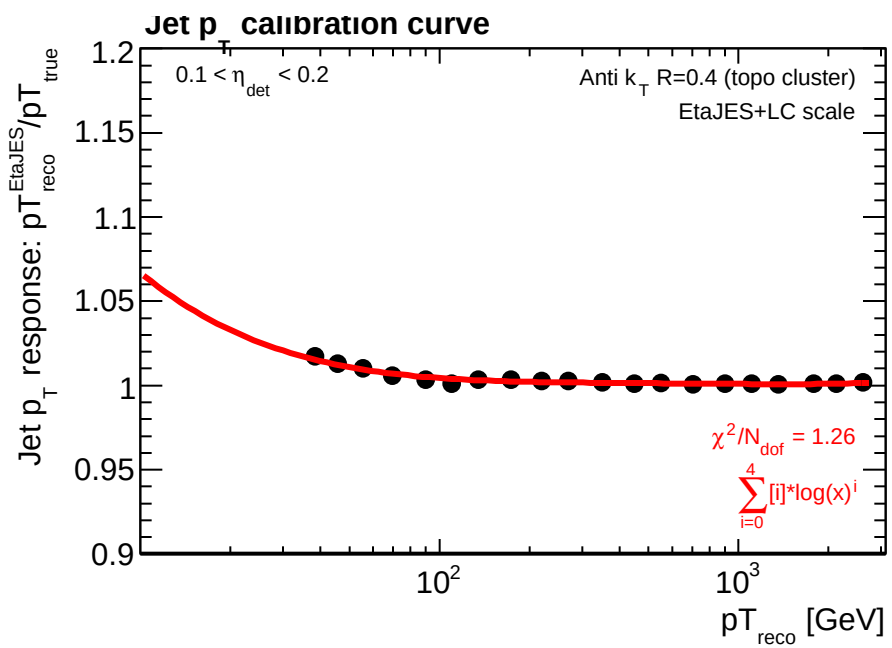

Jet energy and p_T closure
-0.2 < η_det < -0.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]

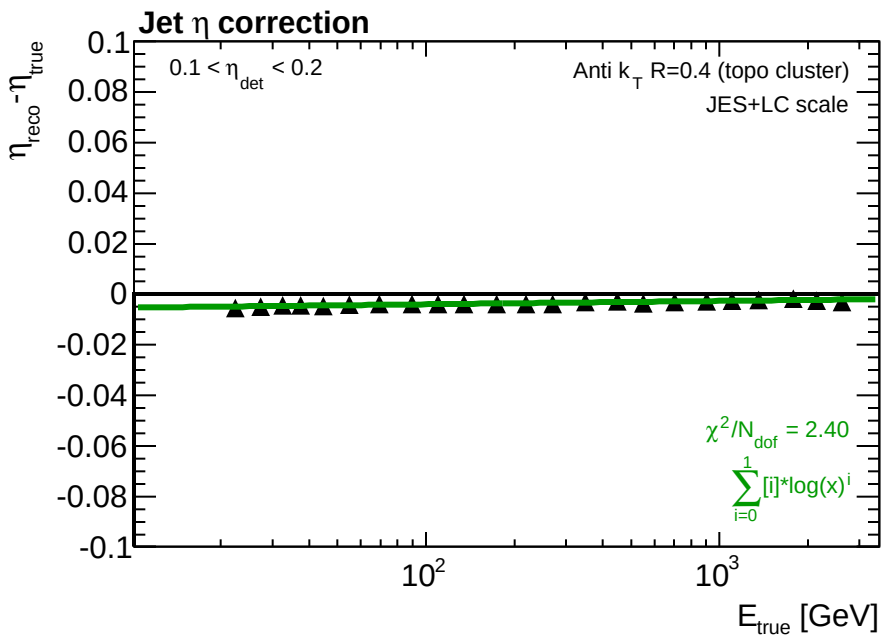

Jet p_T calibration curve
-0.2 < η_det < -0.1
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 2.05
Σ_{i=0}^{4} [i]*log(x)^i
Jet p_T response: pT_reco^EtaJES/pT_true
pT_reco [GeV]

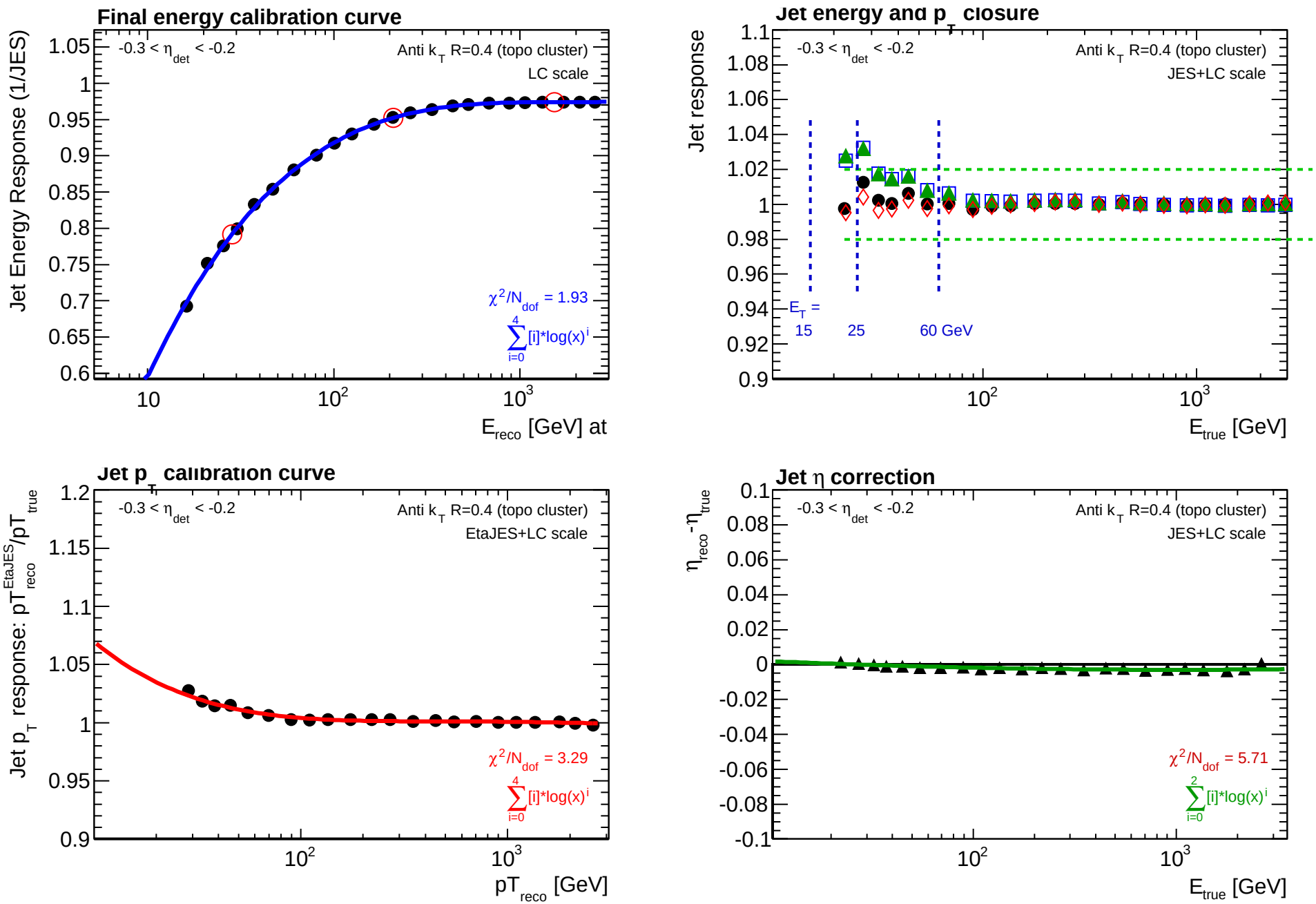

Jet η correction
-0.2 < η_det < -0.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 3.07
Σ_{i=0}^{1} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

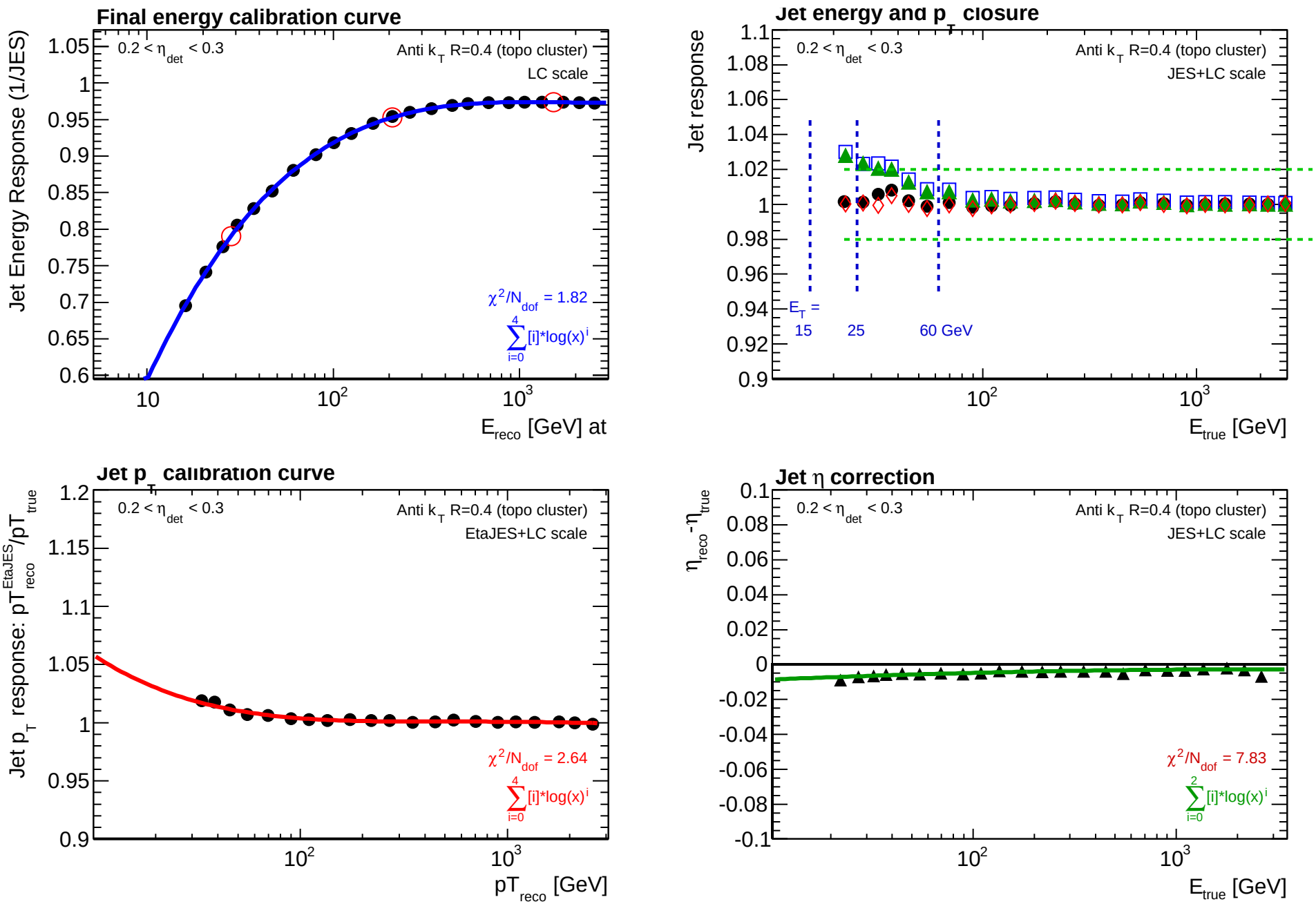

Final energy calibration curve
0.1 < η_det < 0.2
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.43
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at

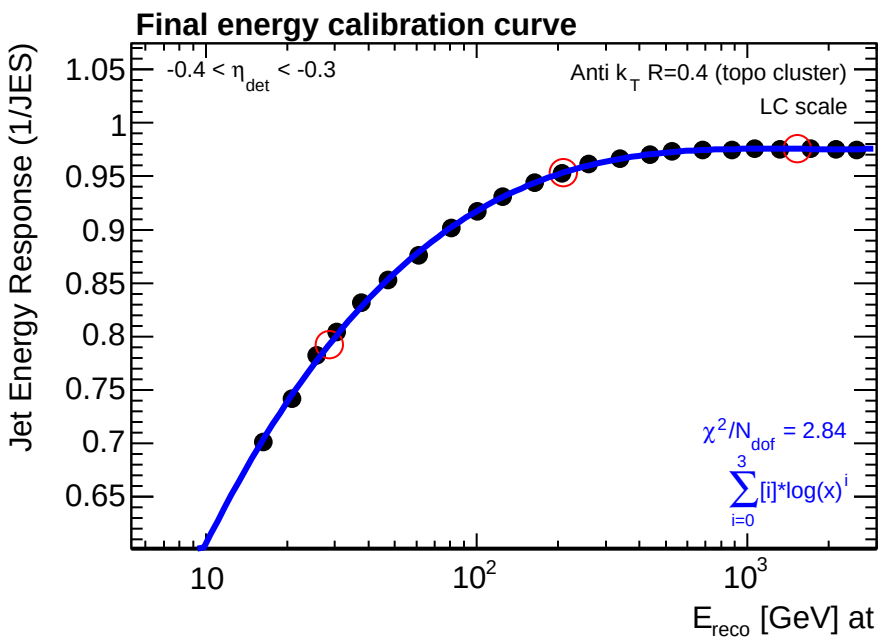

Jet energy and p_T closure
0.1 < η_det < 0.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]

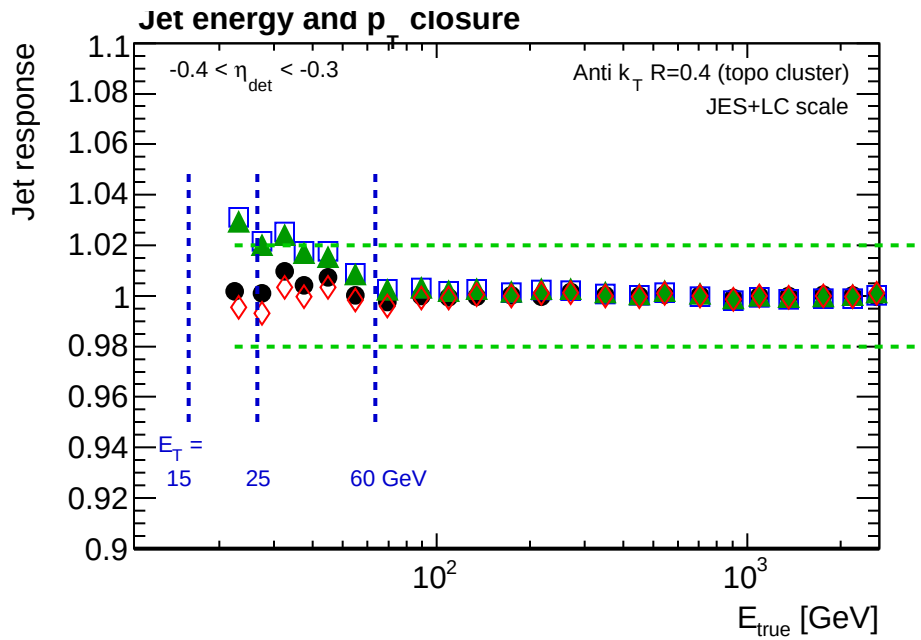

Jet p_T calibration curve
0.1 < η_det < 0.2
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.26
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]

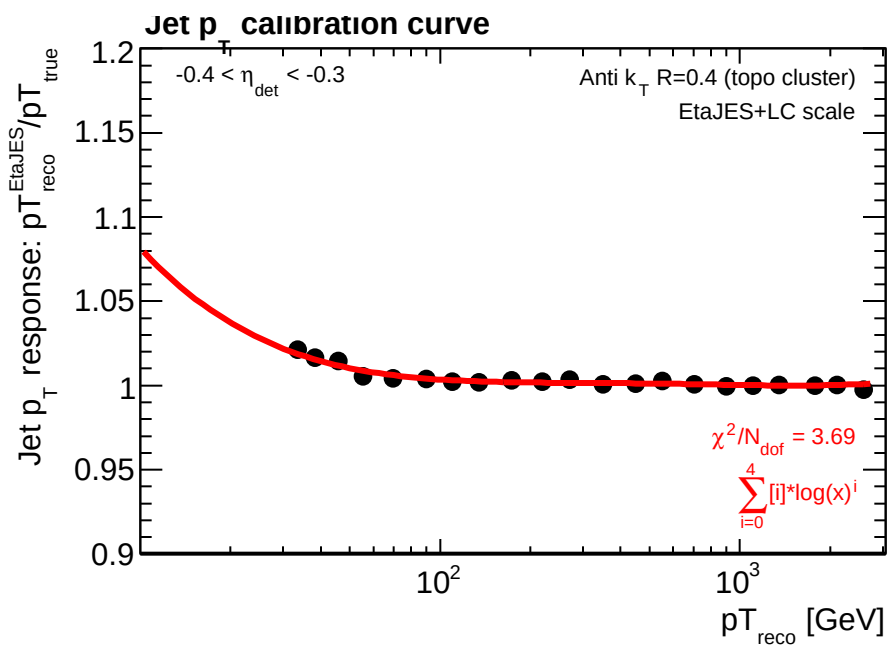

Jet η correction
0.1 < η_det < 0.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 2.40
Σ_{i=0}^{1} [i]*log(x)^i
E_true [GeV]

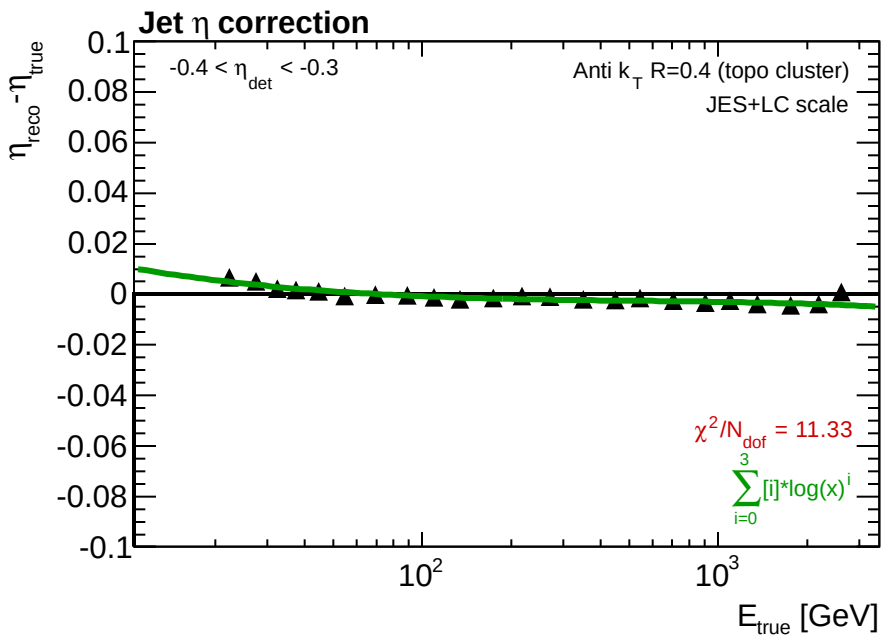

Final energy calibration curve
-0.3 < η_det < -0.2
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.93
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-0.3 < η_det < -0.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-0.3 < η_det < -0.2
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 3.29
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-0.3 < η_det < -0.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 5.71
Σ_{i=0}^{2} [i]*log(x)^i
E_true [GeV]

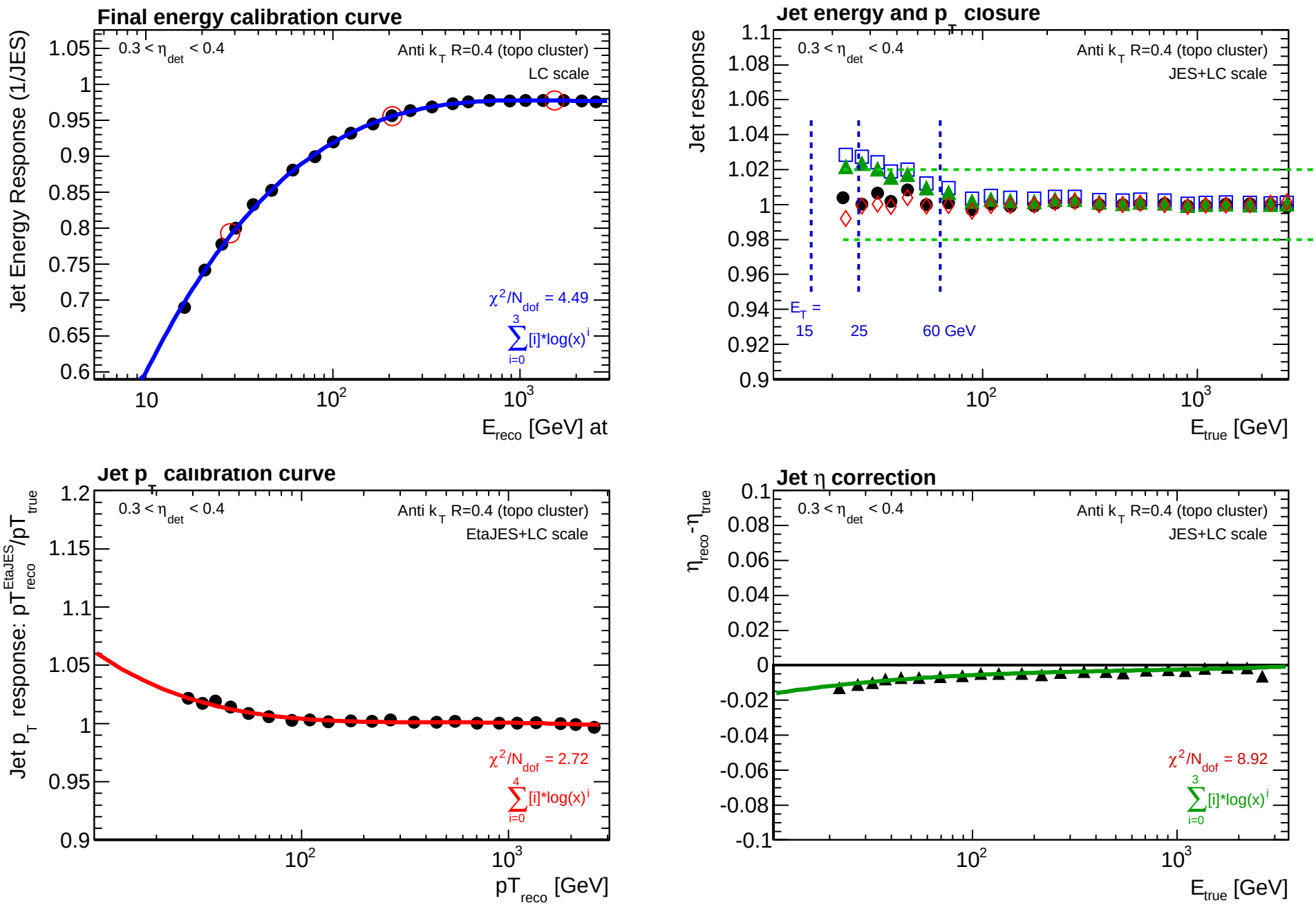

Final energy calibration curve
0.2 < η_det < 0.3
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.82
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
0.2 < η_det < 0.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
0.2 < η_det < 0.3
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 2.64
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
0.2 < η_det < 0.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 7.83
Σ_{i=0}^{2} [i]*log(x)^i
E_true [GeV]

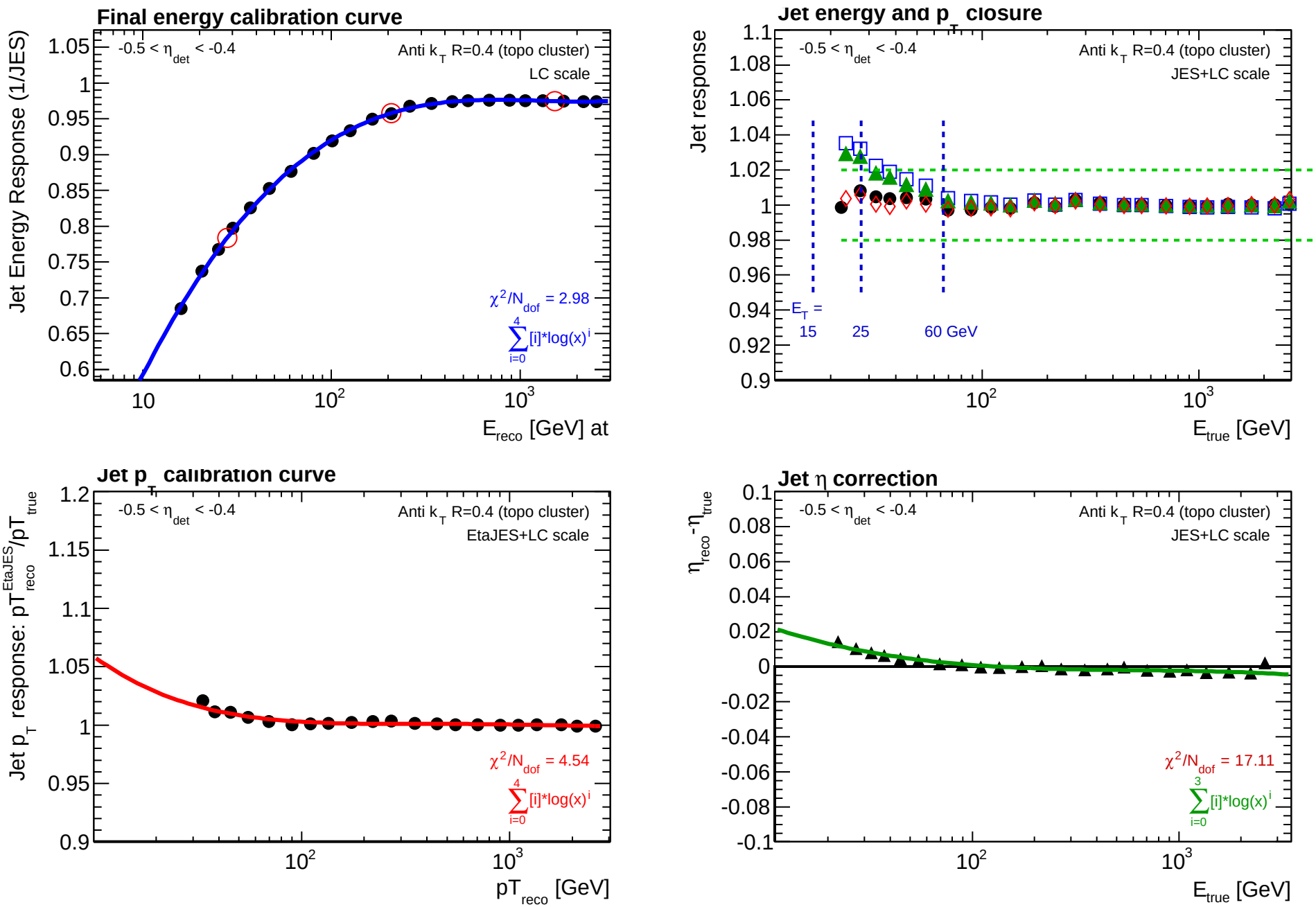

Final energy calibration curve
-0.4 < η_det < -0.3
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.84
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at

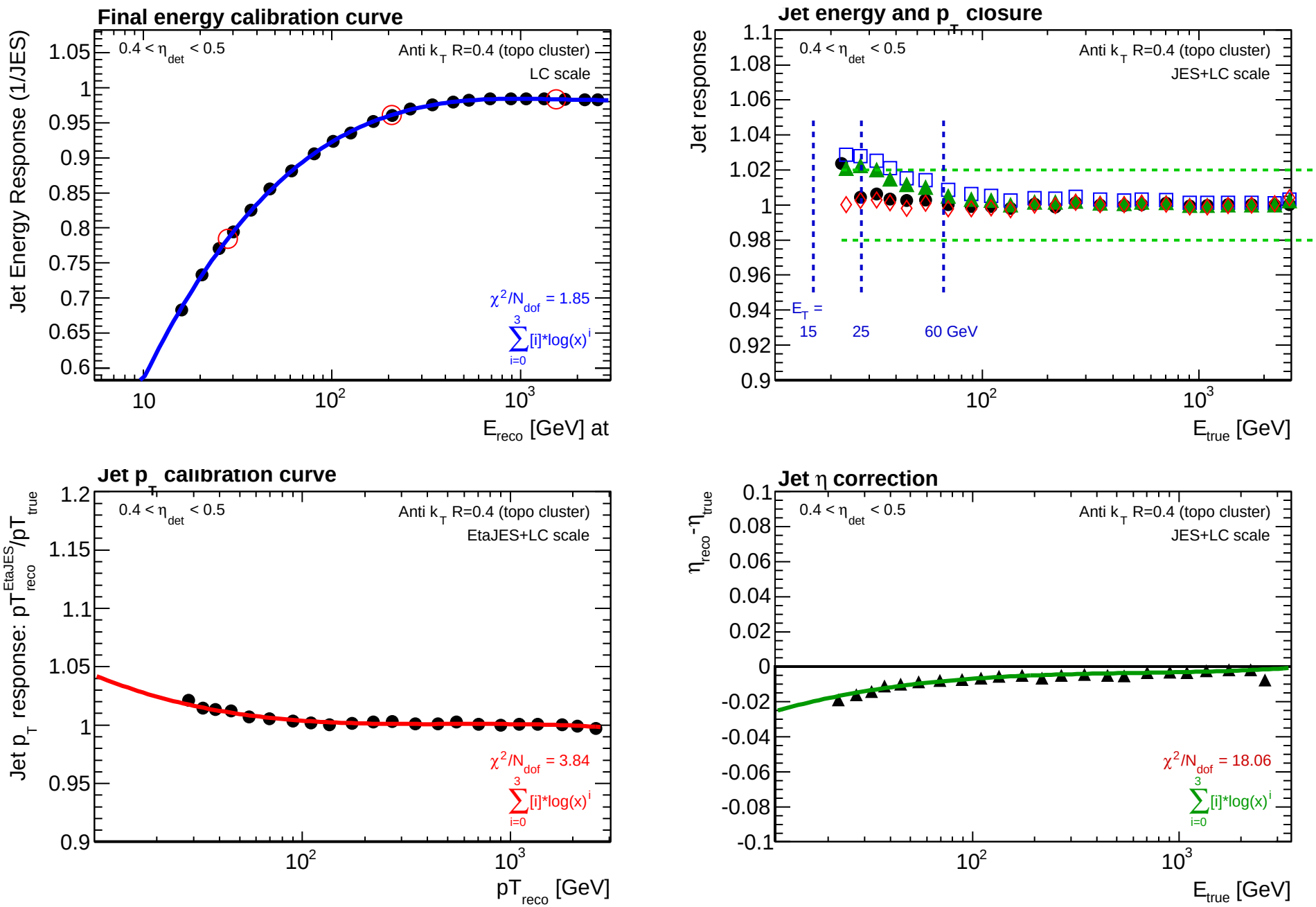

Jet energy and p_T closure
-0.4 < η_det < -0.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]

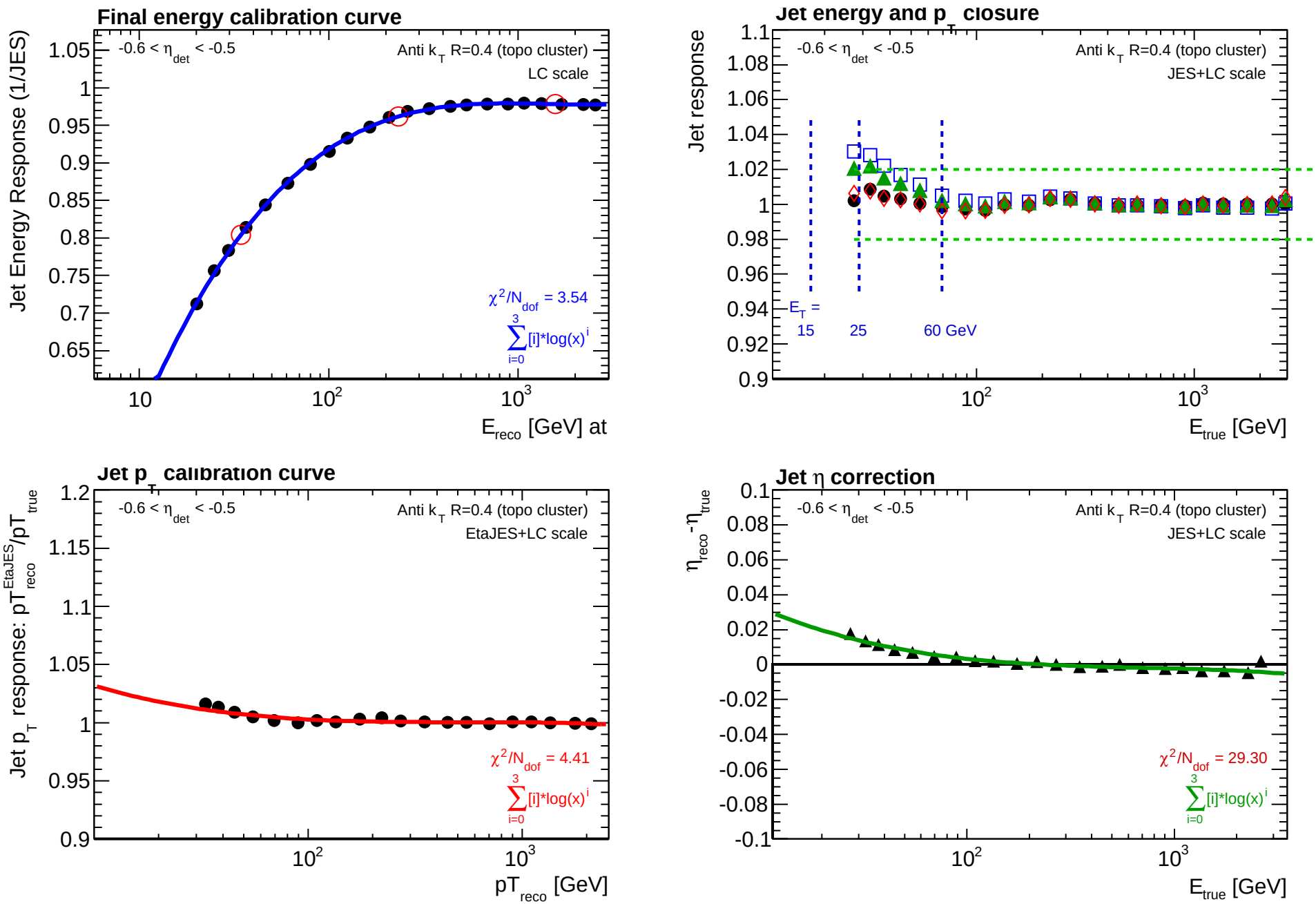

Jet p_T calibration curve
-0.4 < η_det < -0.3
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 3.69
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]

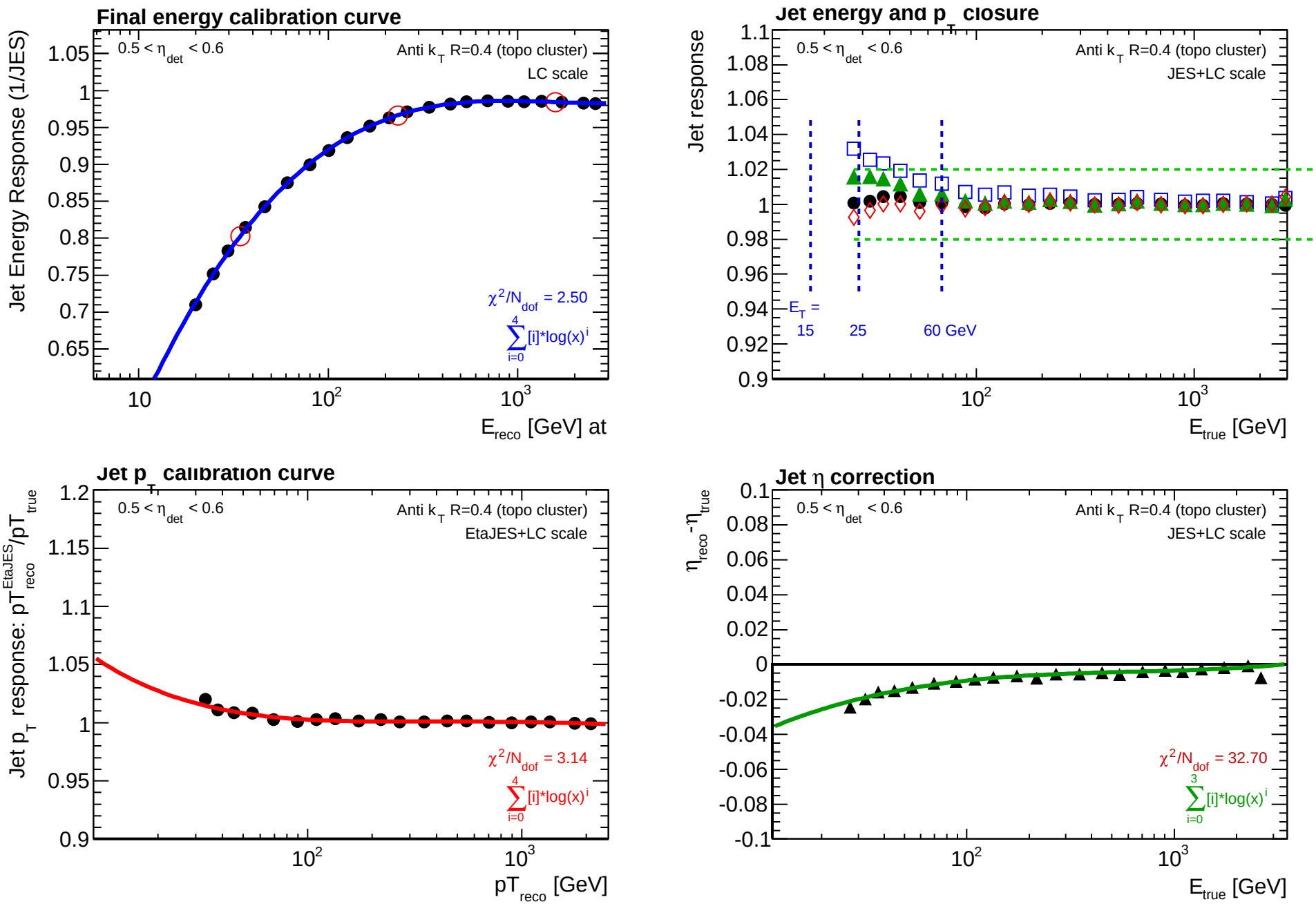

Jet η correction
-0.4 < η_det < -0.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 11.33
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

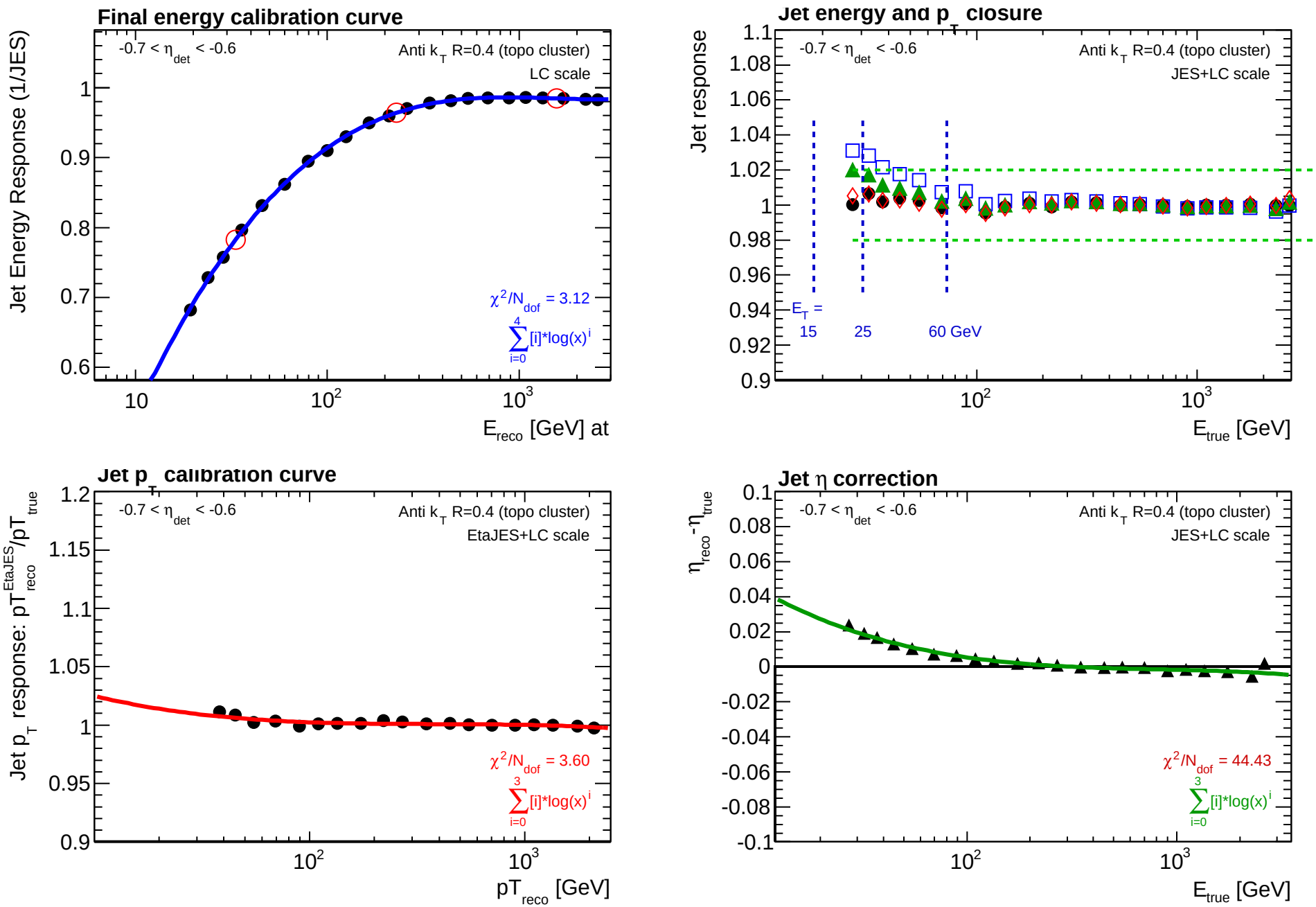

Final energy calibration curve
0.3 < η_det < 0.4
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 4.49
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
0.3 < η_det < 0.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
0.3 < η_det < 0.4
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 2.72
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
0.3 < η_det < 0.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 8.92
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

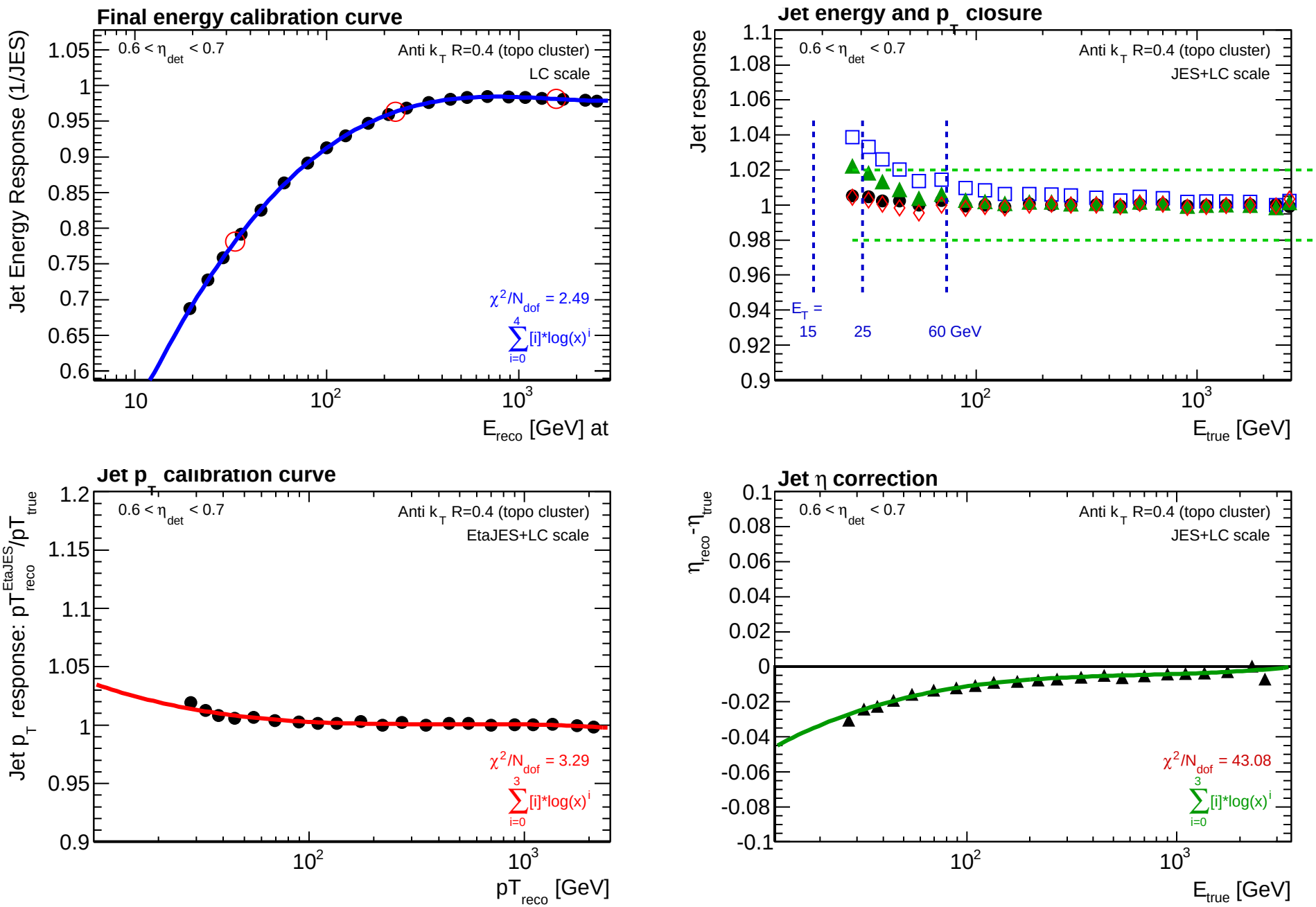

Final energy calibration curve
-0.5 < η_det < -0.4
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.98
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-0.5 < η_det < -0.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-0.5 < η_det < -0.4
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 4.54
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-0.5 < η_det < -0.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 17.11
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

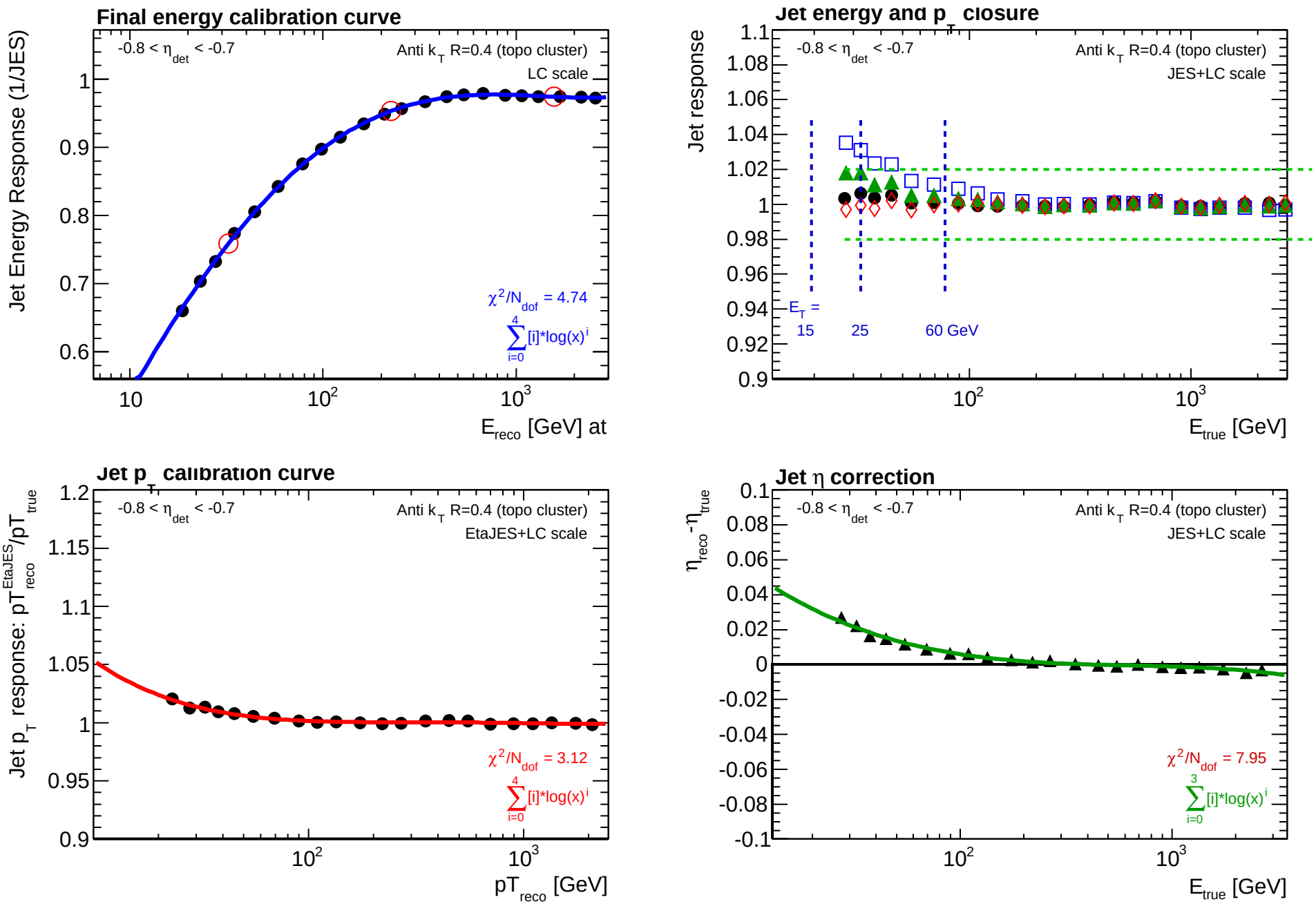

Final energy calibration curve
0.4 < η_det < 0.5
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.85
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
0.4 < η_det < 0.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
0.4 < η_det < 0.5
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 3.84
Σ_{i=0}^{3} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
0.4 < η_det < 0.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 18.06
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

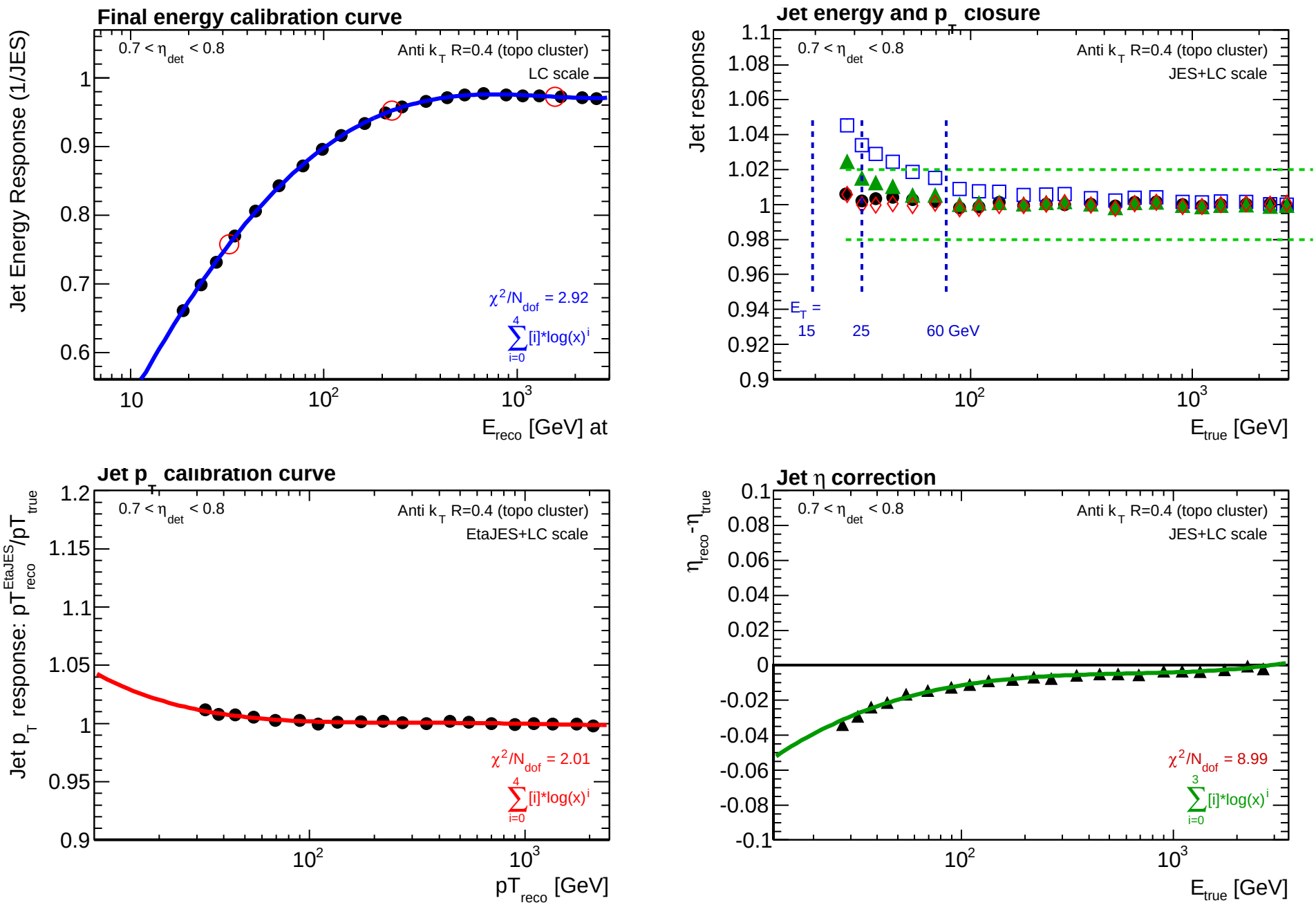

Final energy calibration curve
-0.6 < η_det < -0.5
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 3.54
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-0.6 < η_det < -0.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-0.6 < η_det < -0.5
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 4.41
Σ_{i=0}^{3} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
-0.6 < η_det < -0.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 29.30
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

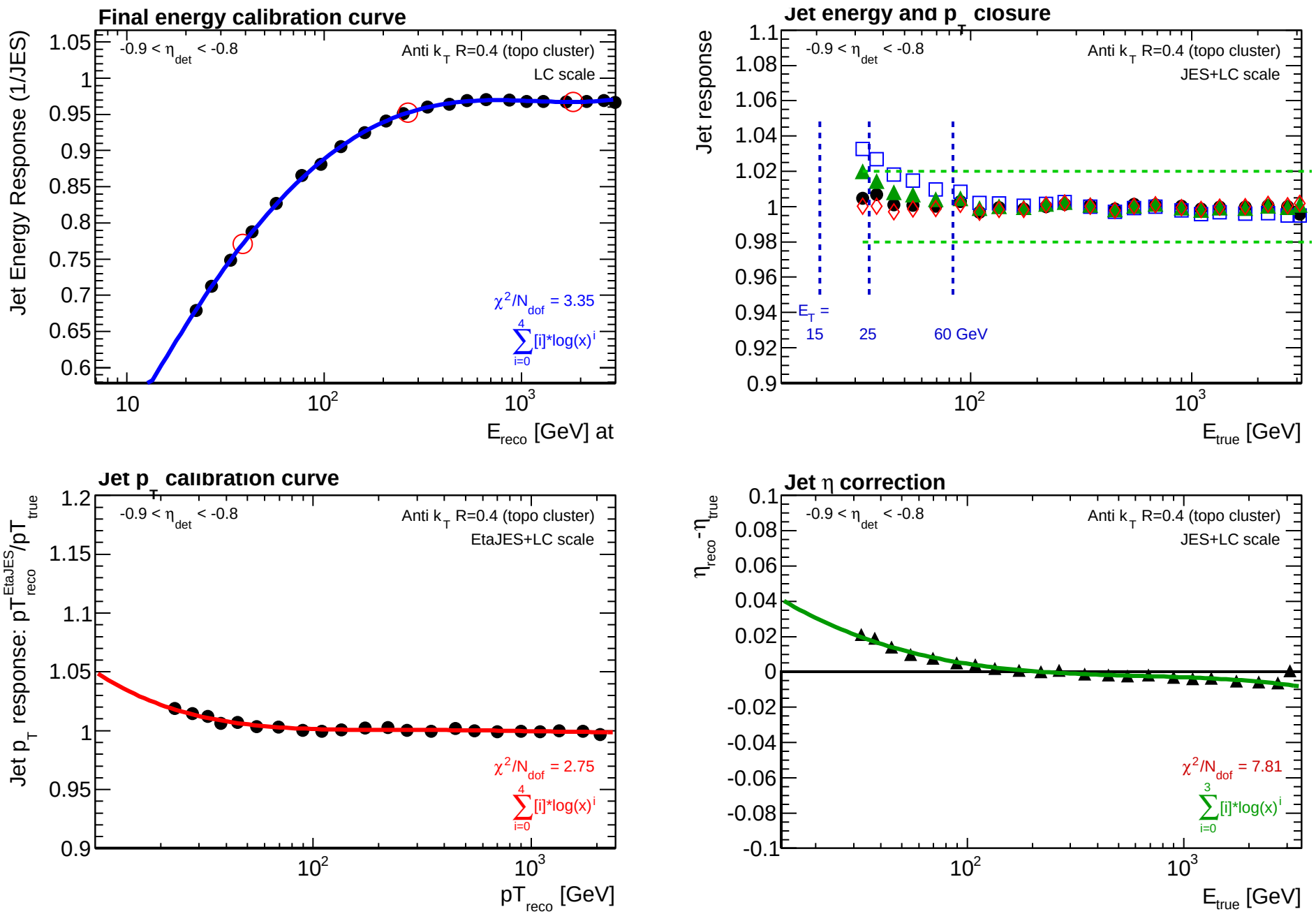

Final energy calibration curve
0.5 < η_det < 0.6
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 2.50
Σ_{i=0}^{4} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
0.5 < η_det < 0.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
0.5 < η_det < 0.6
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 3.14
Σ_{i=0}^{4} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
0.5 < η_det < 0.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 32.70
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

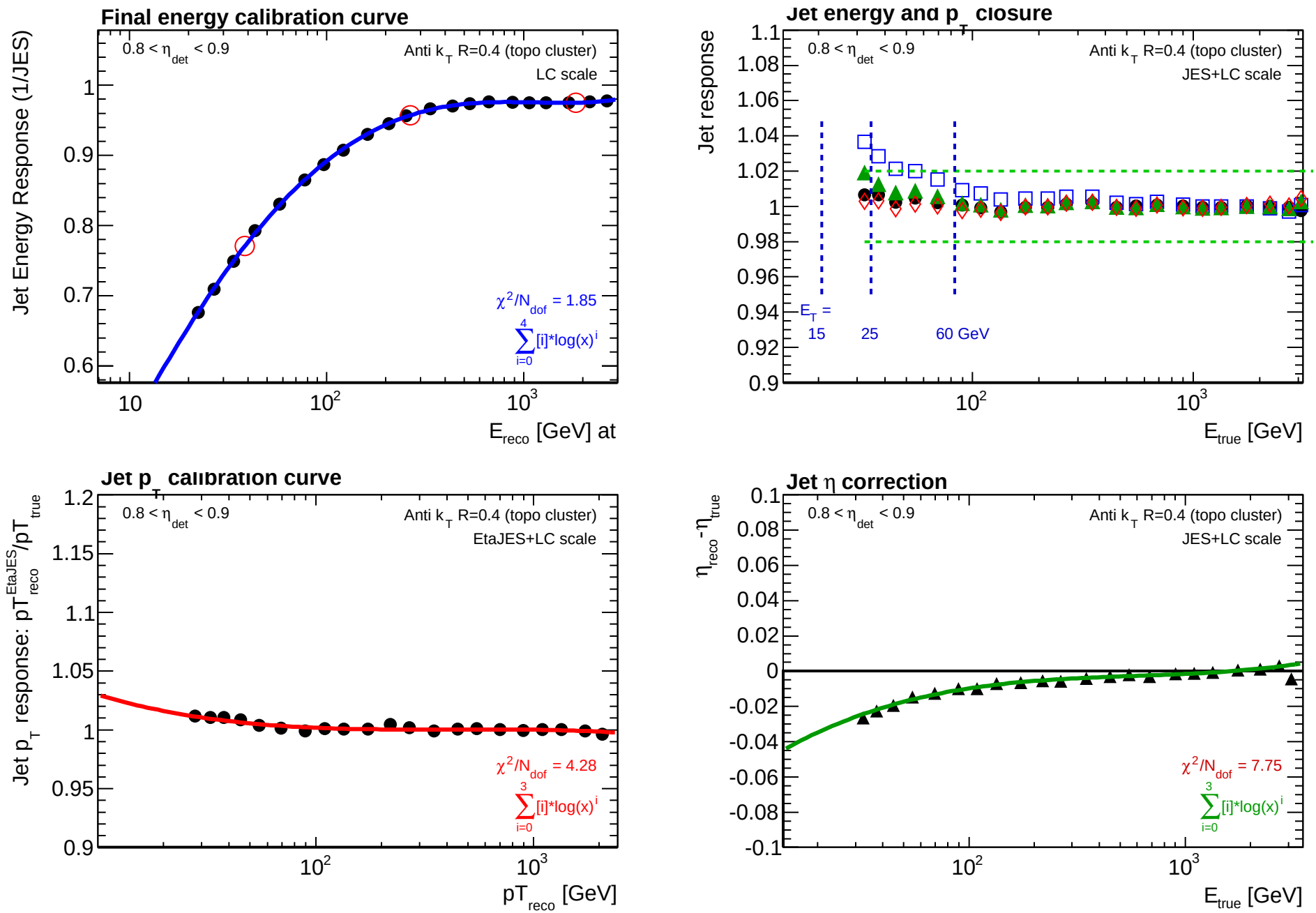

Final energy calibration curve
-0.7 < η_det < -0.6
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.12
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-0.7 < η_det < -0.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-0.7 < η_det < -0.6
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 3.60
Σ_{i=0}^{3} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-0.7 < η_det < -0.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 44.43
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

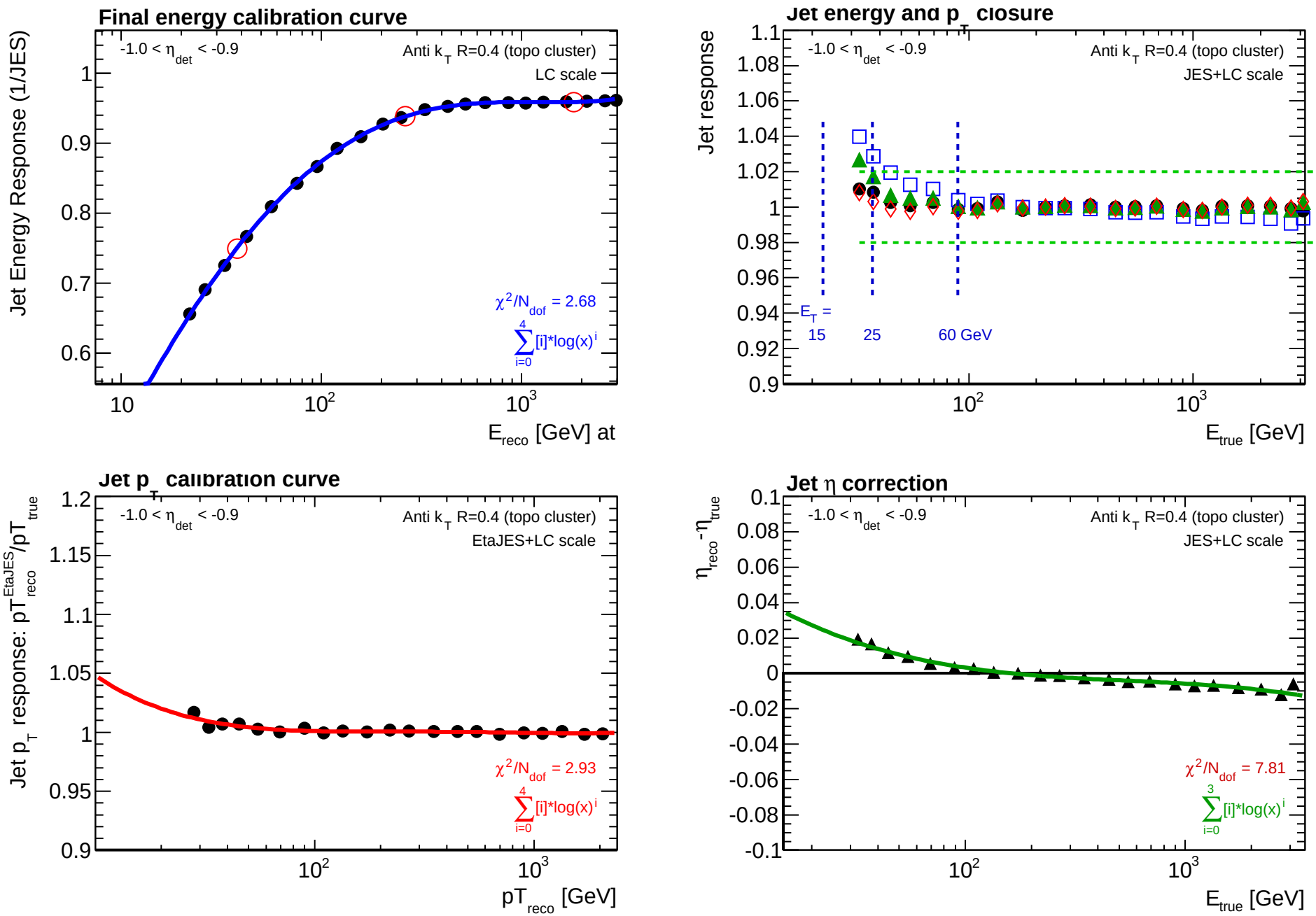

Final energy calibration curve
0.6 < η_det < 0.7
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.49
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
0.6 < η_det < 0.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
0.6 < η_det < 0.7
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 3.29
Σ_{i=0}^{3} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
0.6 < η_det < 0.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 43.08
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

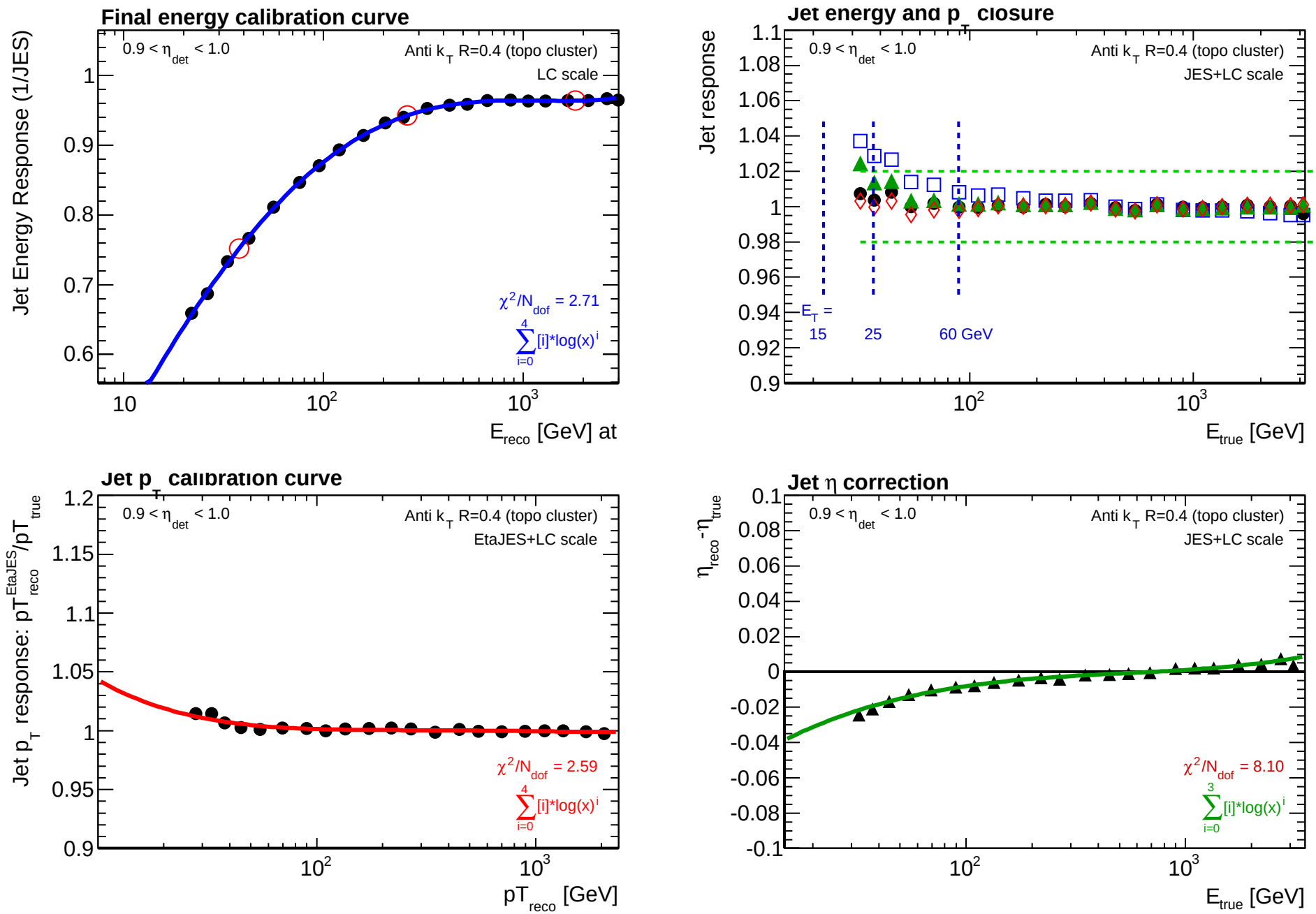

Final energy calibration curve
-0.8 < η_det < -0.7
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 4.74
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-0.8 < η_det < -0.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-0.8 < η_det < -0.7
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 3.12
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-0.8 < η_det < -0.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 7.95
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

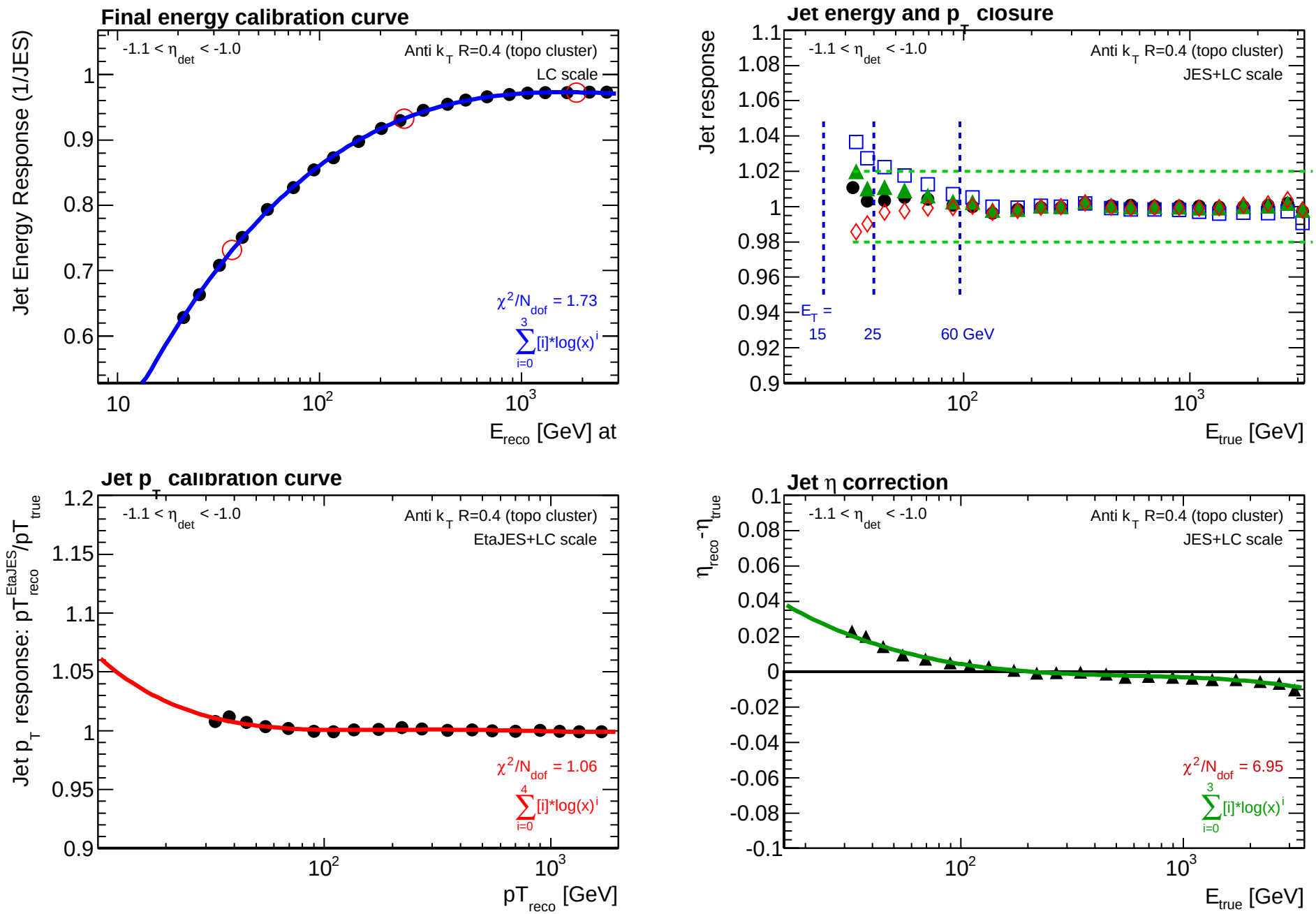

Final energy calibration curve
0.7 < η_det < 0.8
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.92
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
0.7 < η_det < 0.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
0.7 < η_det < 0.8
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 2.01
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
0.7 < η_det < 0.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 8.99
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

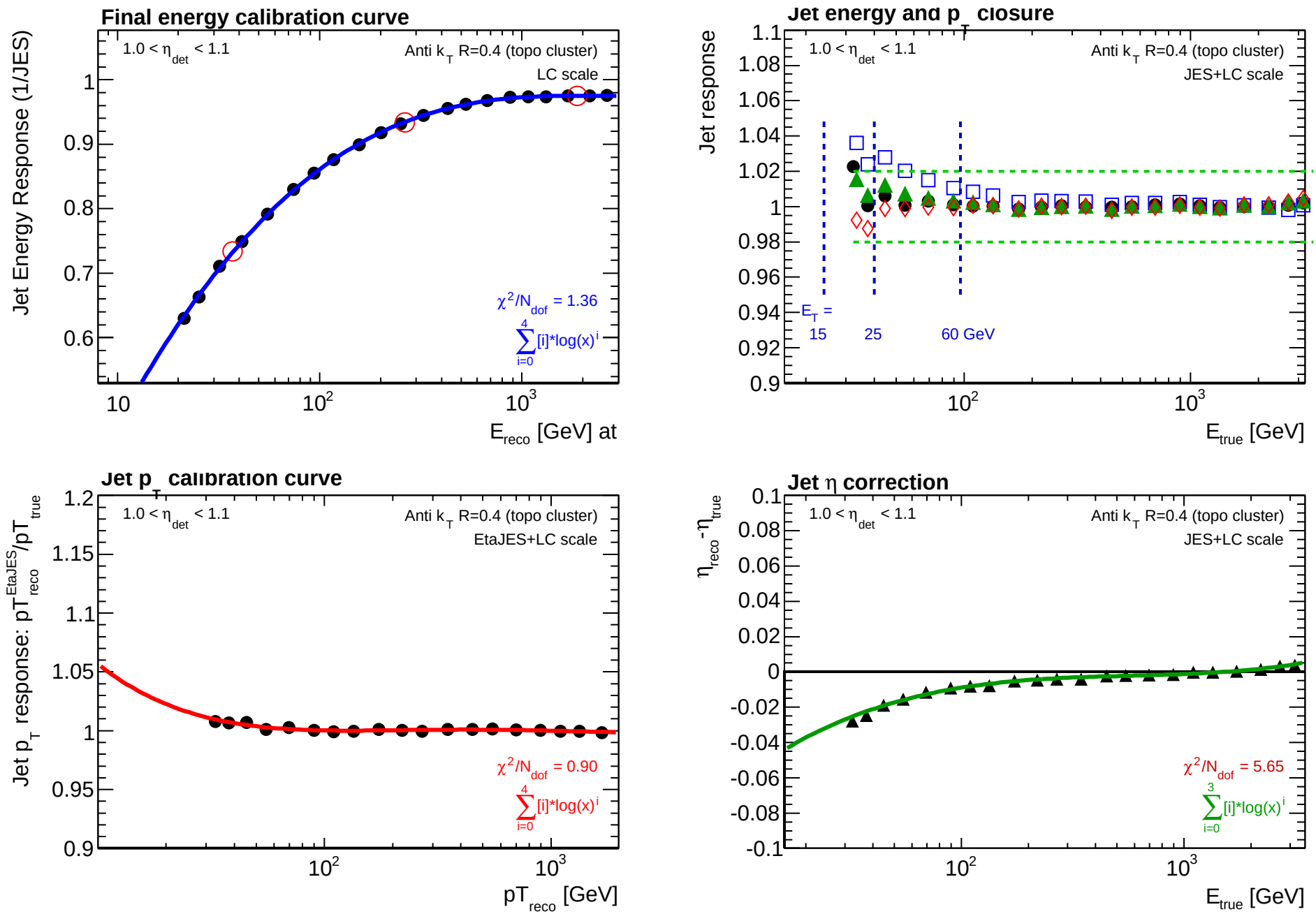

Final energy calibration curve
-0.9 < η_det < -0.8
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.35
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-0.9 < η_det < -0.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-0.9 < η_det < -0.8
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 2.75
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-0.9 < η_det < -0.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 7.81
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

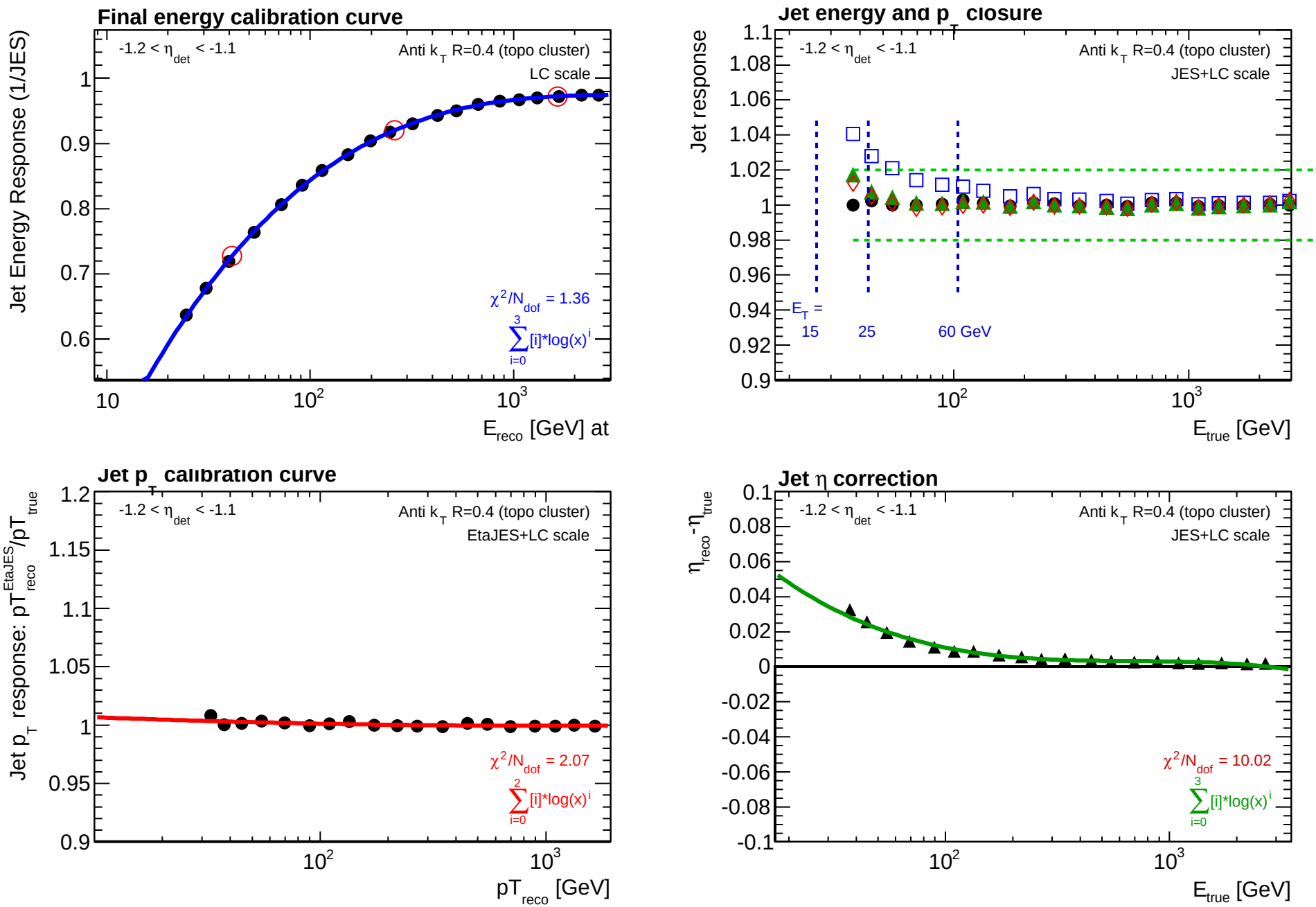

Final energy calibration curve
0.8 < η_det < 0.9
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.85
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
0.8 < η_det < 0.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
0.8 < η_det < 0.9
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 4.28
Σ_{i=0}^{3} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
0.8 < η_det < 0.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 7.75
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

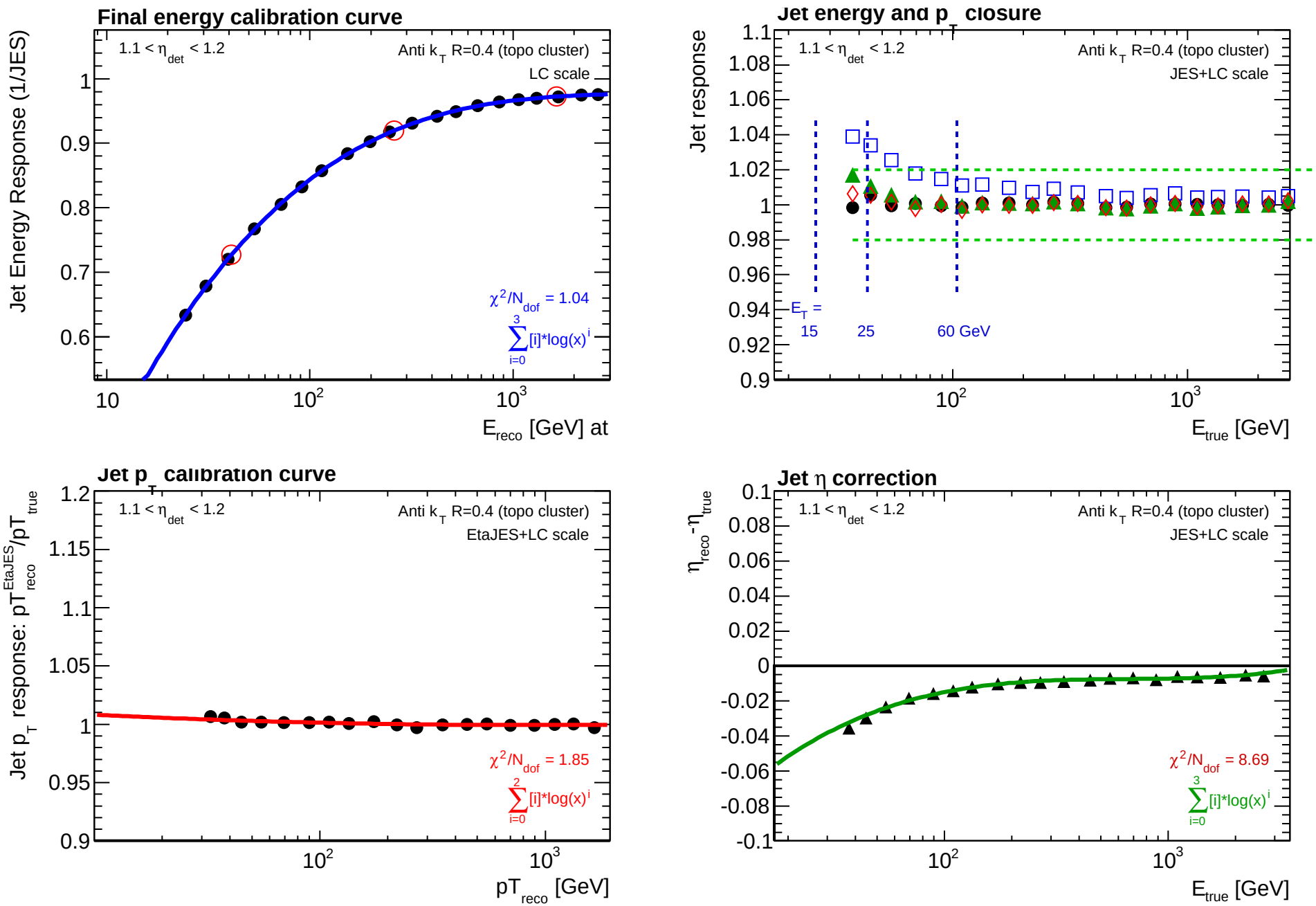

Final energy calibration curve
-1.0 < η_det < -0.9
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.68
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-1.0 < η_det < -0.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-1.0 < η_det < -0.9
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 2.93
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-1.0 < η_det < -0.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco -η_true
χ²/N_dof = 7.81
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

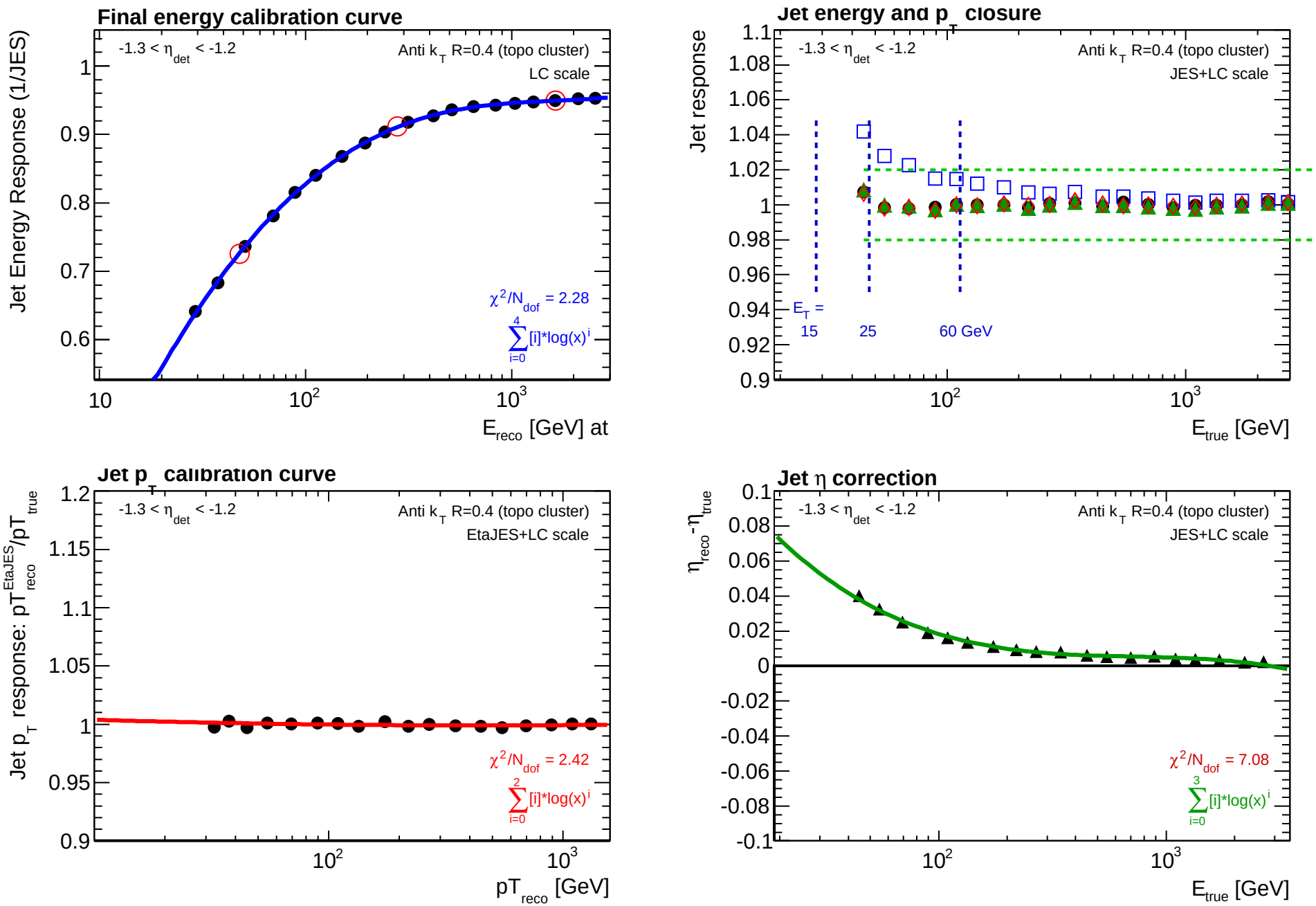

Final energy calibration curve
0.9 < η_det < 1.0
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.71
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
0.9 < η_det < 1.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
0.9 < η_det < 1.0
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 2.59
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
0.9 < η_det < 1.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 8.10
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

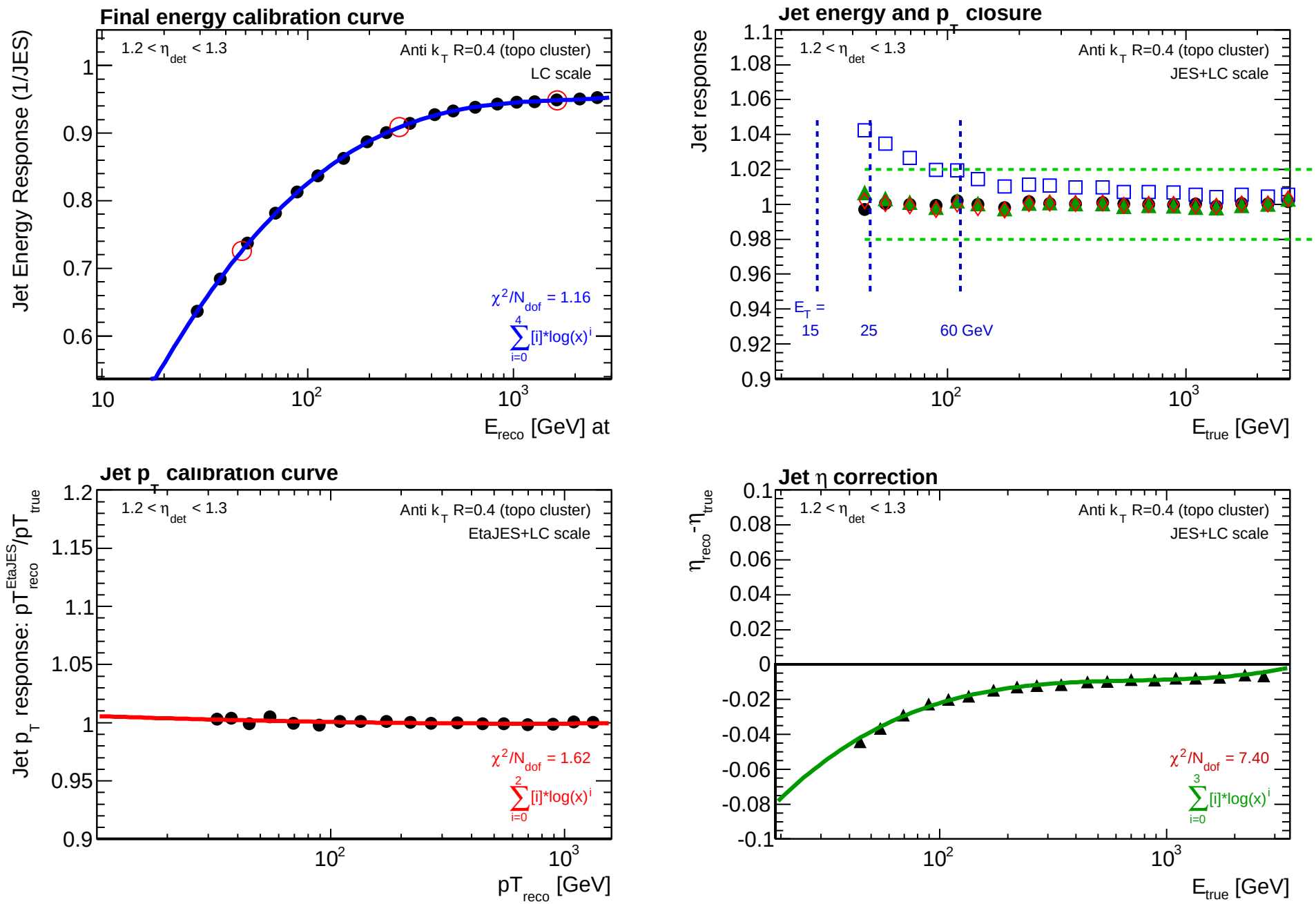

Final energy calibration curve
-1.1 < η_det < -1.0
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.73
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-1.1 < η_det < -1.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-1.1 < η_det < -1.0
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.06
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-1.1 < η_det < -1.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 6.95
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

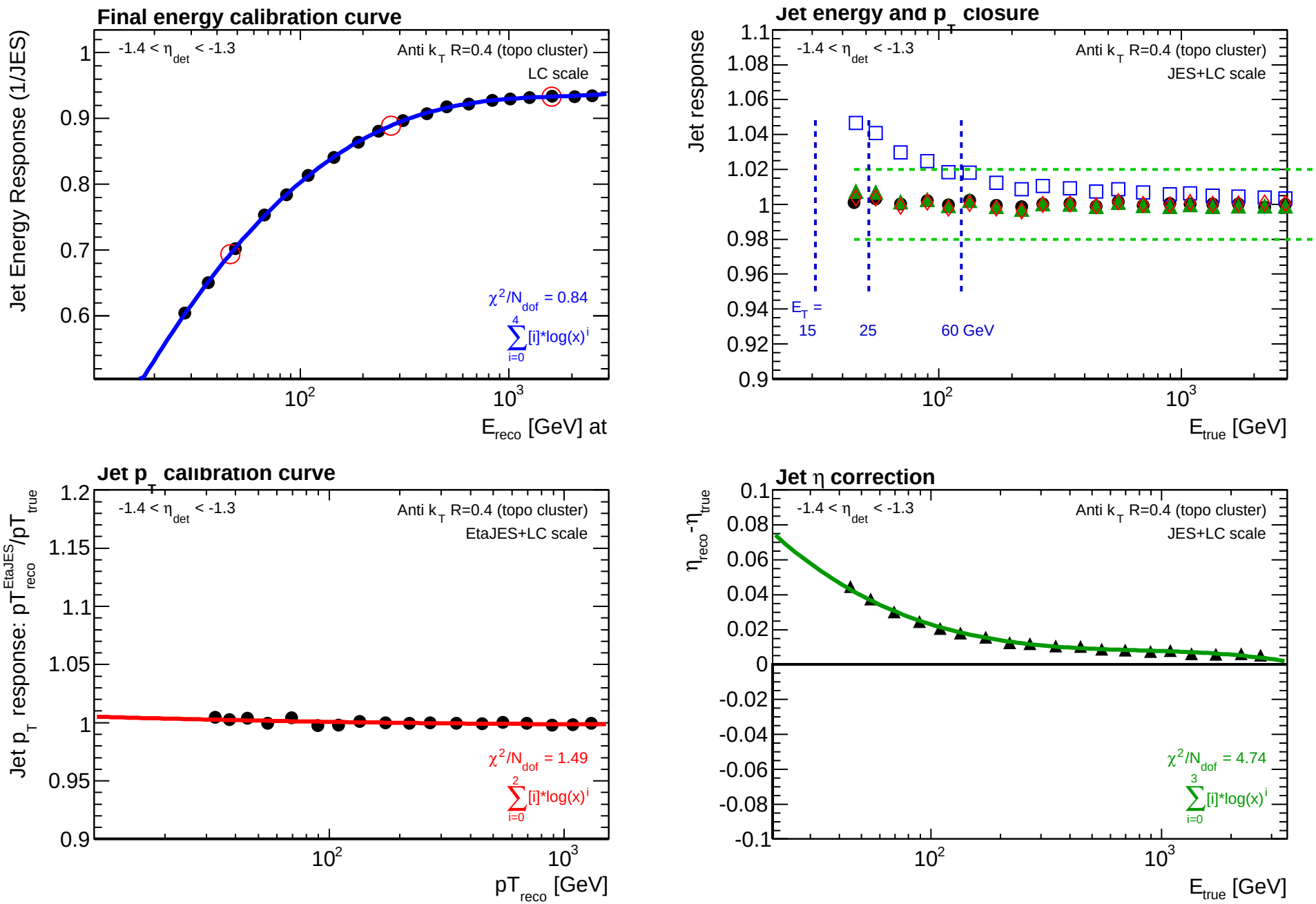

Final energy calibration curve
1.0 < η_det < 1.1
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.36
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
1.0 < η_det < 1.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
1.0 < η_det < 1.1
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.90
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
1.0 < η_det < 1.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 5.65
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

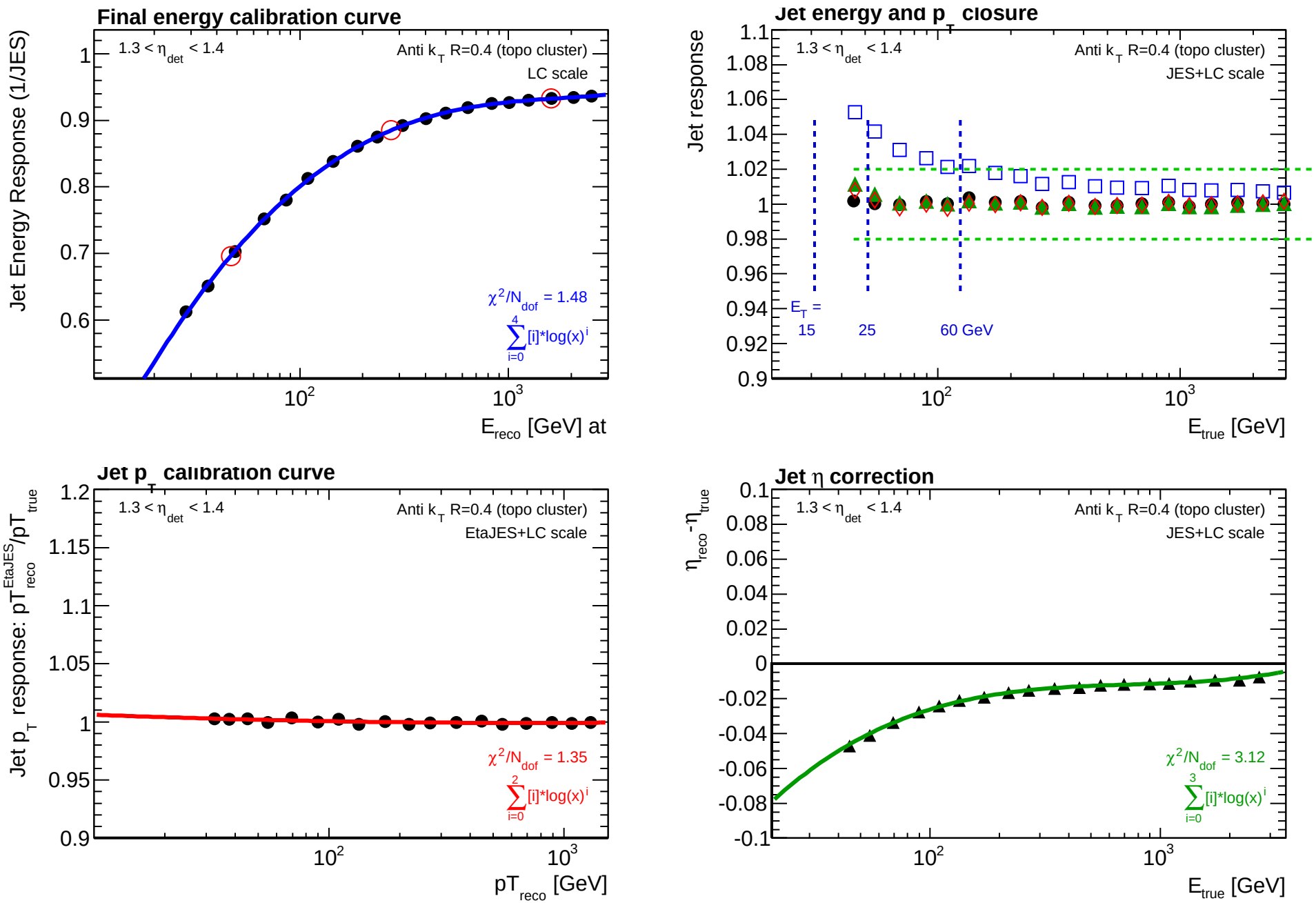

Final energy calibration curve
-1.2 < η_det < -1.1
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.36
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-1.2 < η_det < -1.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-1.2 < η_det < -1.1
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 2.07
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-1.2 < η_det < -1.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco -η_true
χ²/N_dof = 10.02
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

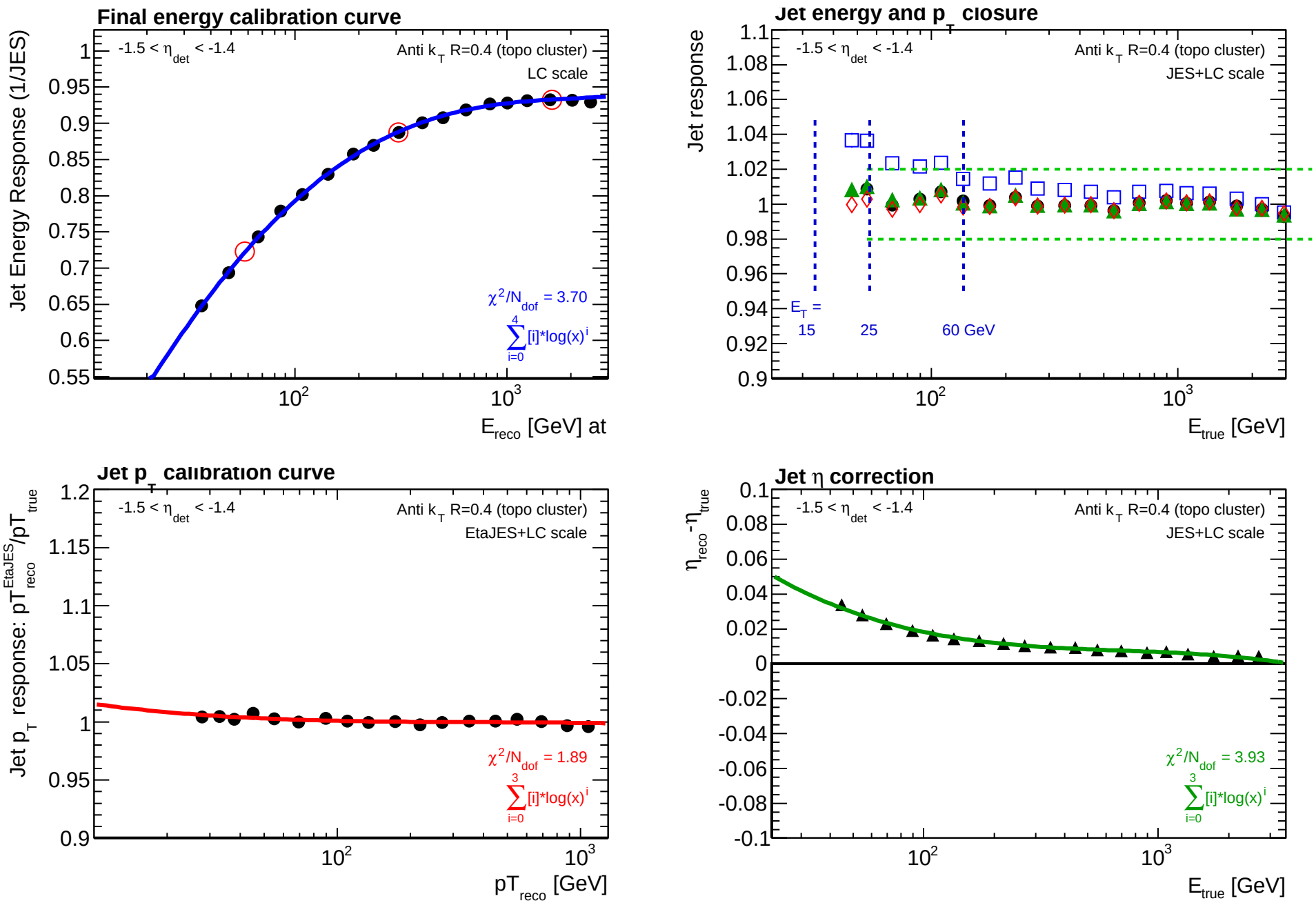

Final energy calibration curve
1.1 < η_det < 1.2
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.04
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
1.1 < η_det < 1.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
1.1 < η_det < 1.2
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 1.85
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
1.1 < η_det < 1.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 8.69
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

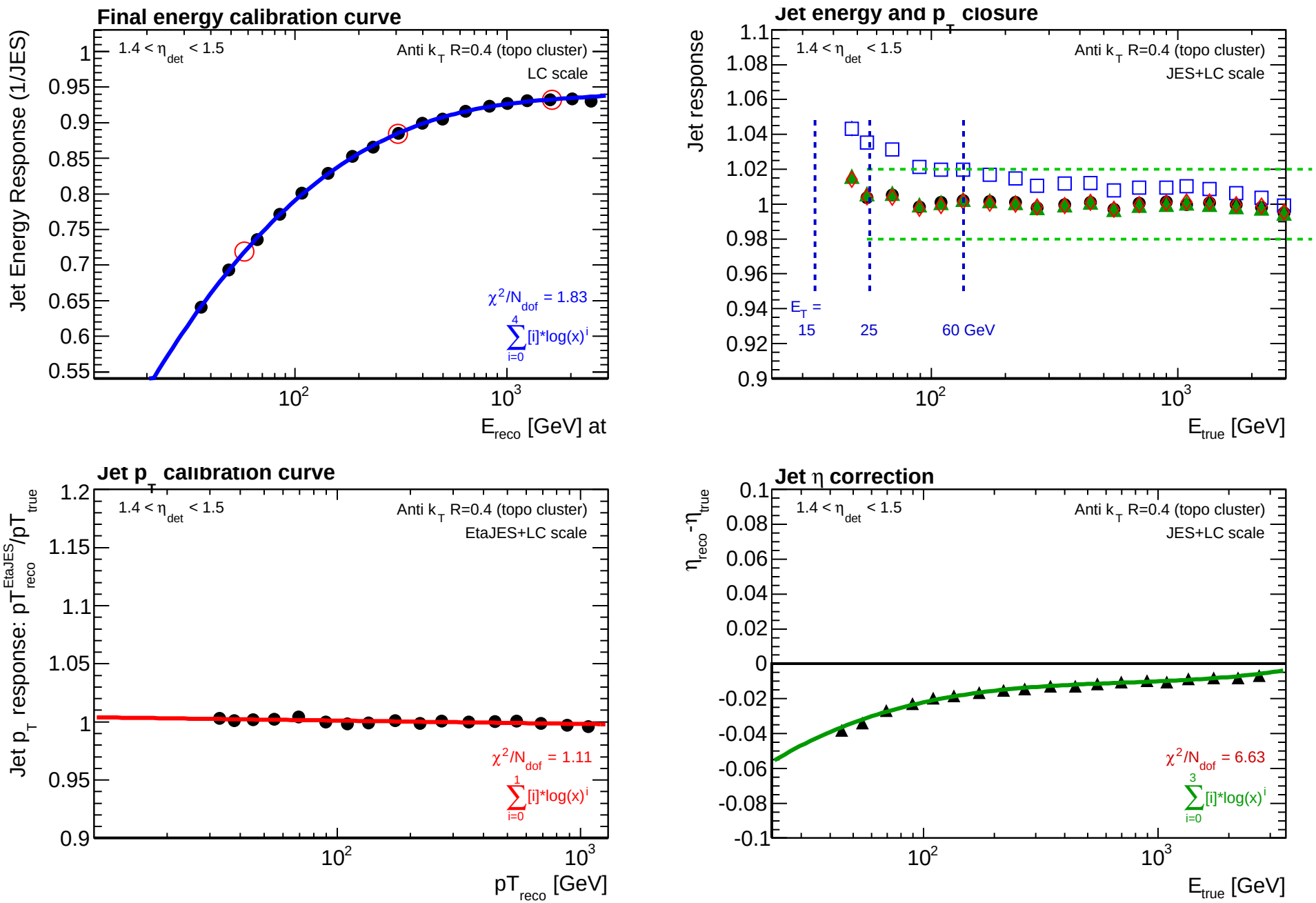

Final energy calibration curve
-1.3 < η_det < -1.2
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.28
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-1.3 < η_det < -1.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-1.3 < η_det < -1.2
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 2.42
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-1.3 < η_det < -1.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco -η_true
χ²/N_dof = 7.08
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

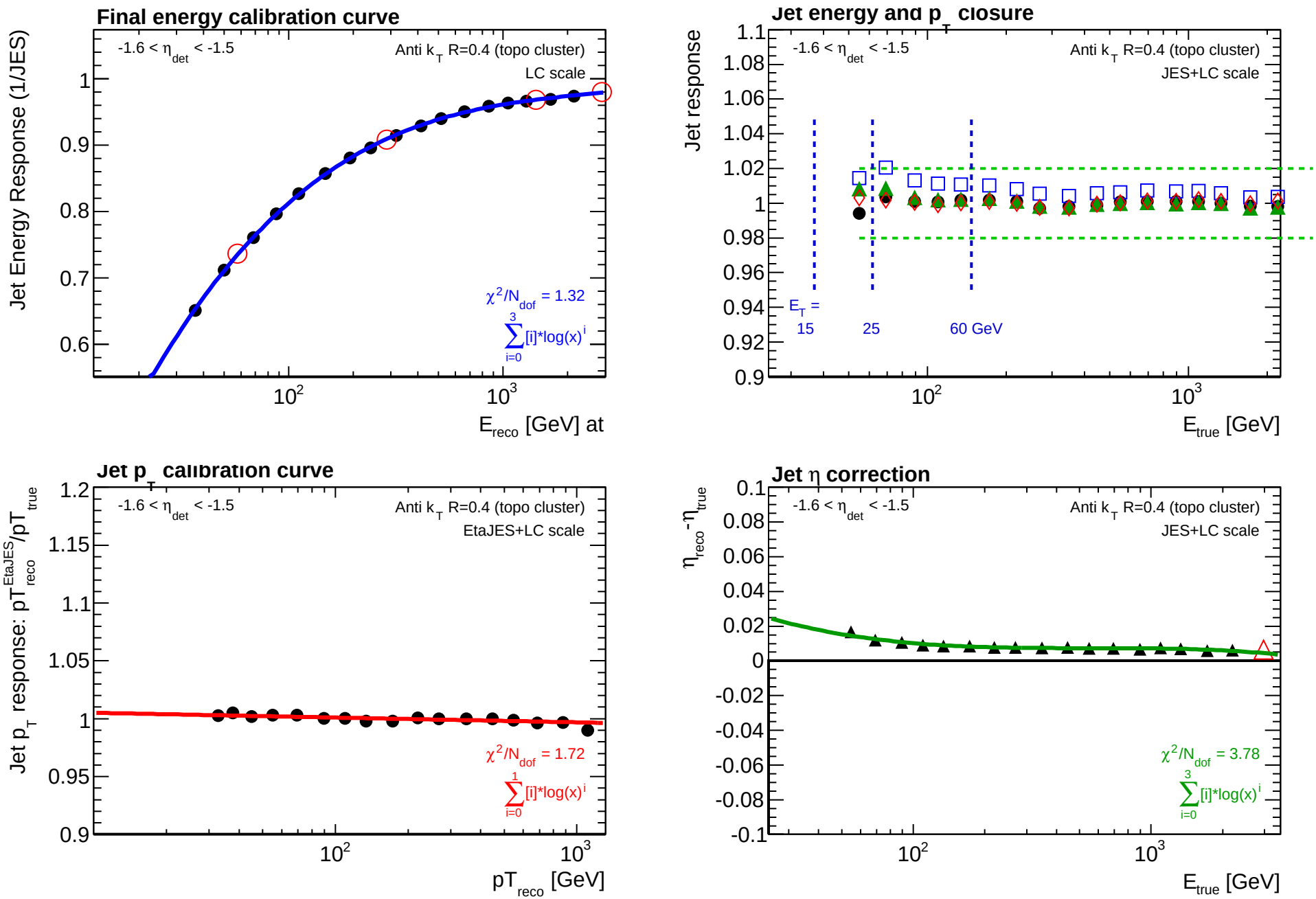

Final energy calibration curve
1.2 < η_det < 1.3
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.16
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
1.2 < η_det < 1.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
1.2 < η_det < 1.3
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.62
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
1.2 < η_det < 1.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 7.40
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

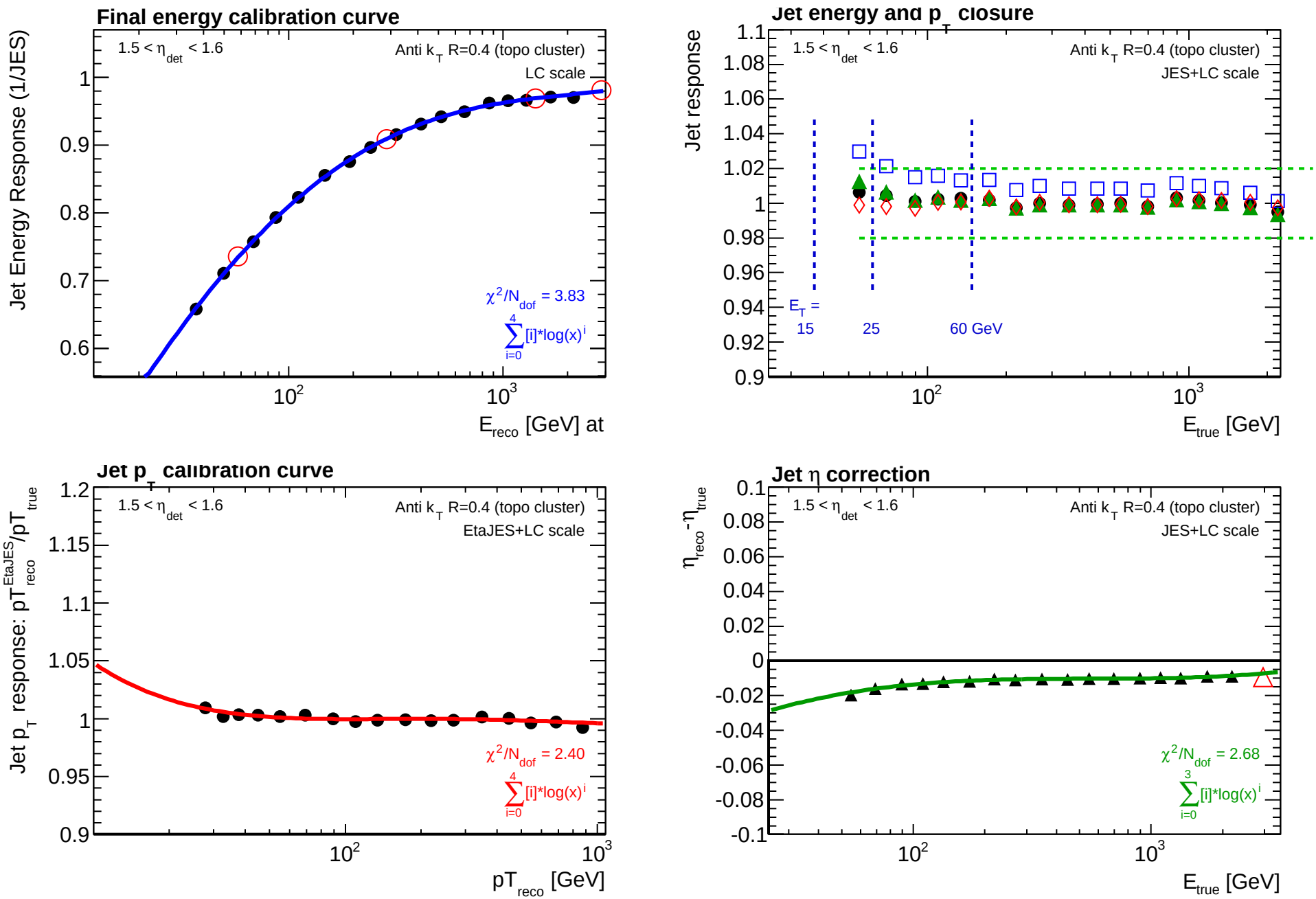

Final energy calibration curve
-1.4 < η_det < -1.3
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 0.84
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-1.4 < η_det < -1.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-1.4 < η_det < -1.3
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.49
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-1.4 < η_det < -1.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 4.74
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

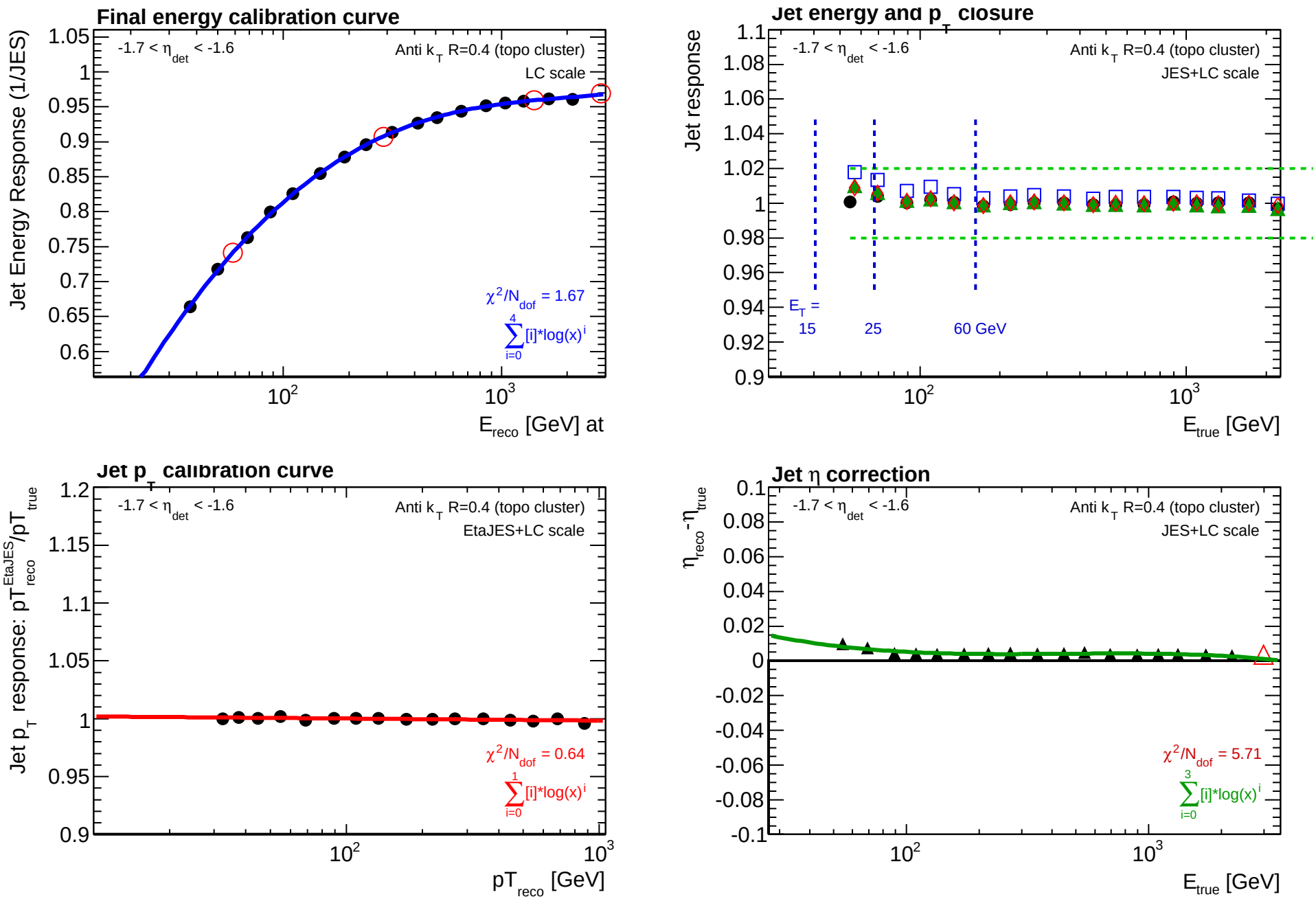

Final energy calibration curve
1.3 < η_det < 1.4
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.48
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
1.3 < η_det < 1.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
1.3 < η_det < 1.4
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.35
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
1.3 < η_det < 1.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 3.12
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

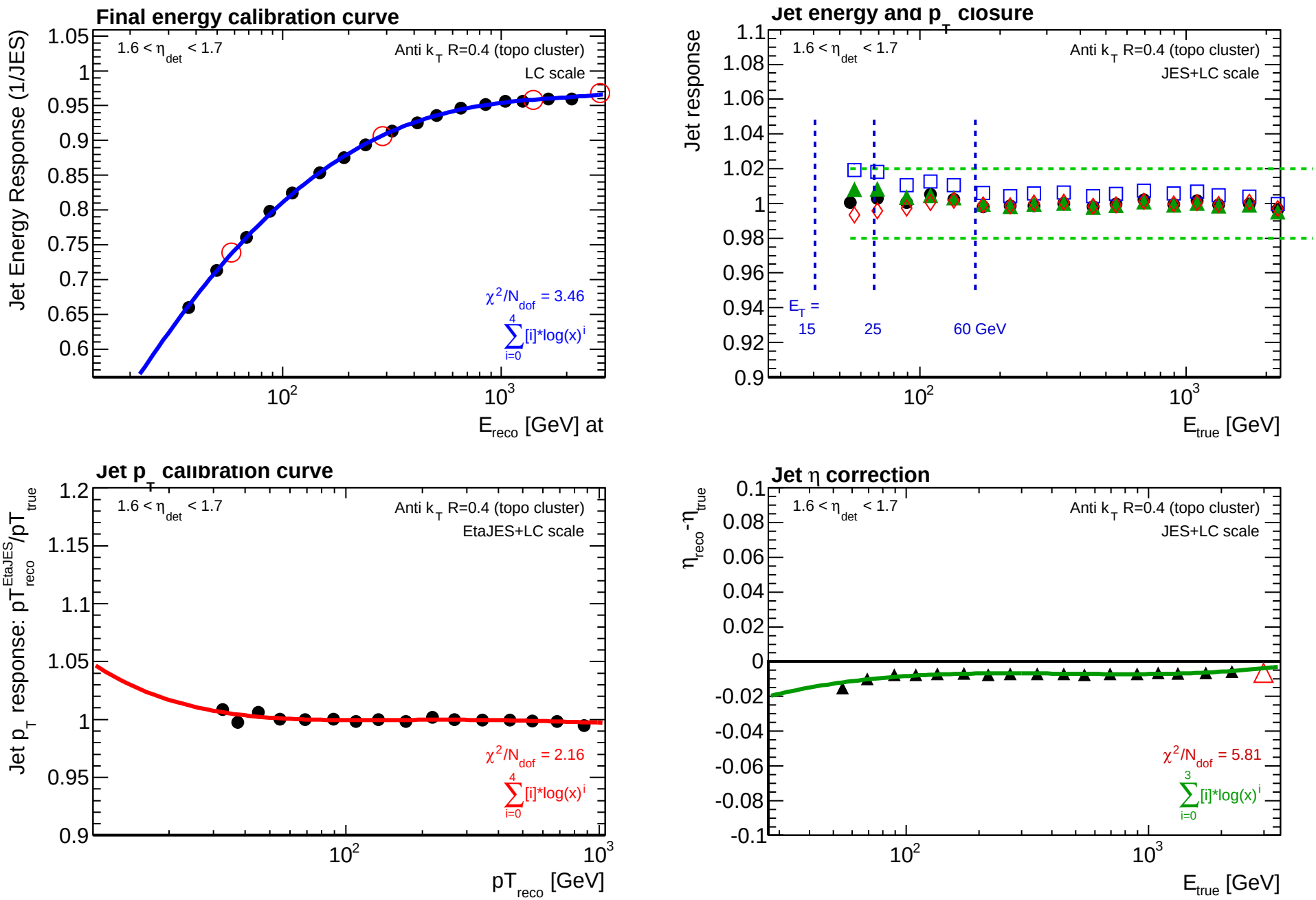

Final energy calibration curve
-1.5 < η_det < -1.4
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.70
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-1.5 < η_det < -1.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-1.5 < η_det < -1.4
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.89
Σ_{i=0}^{3} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-1.5 < η_det < -1.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 3.93
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

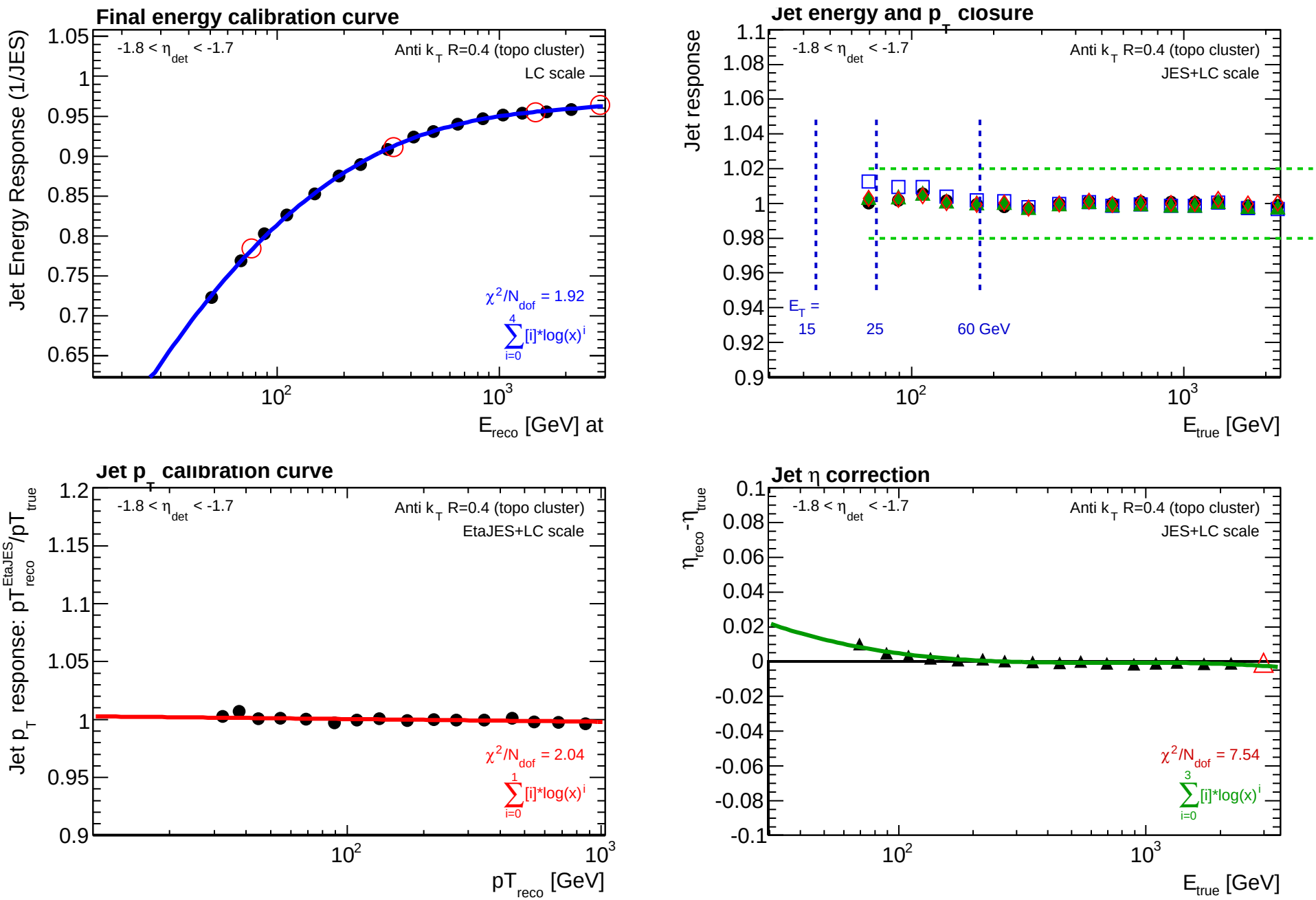

Final energy calibration curve
1.4 < η_det < 1.5
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.83
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
1.4 < η_det < 1.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
1.4 < η_det < 1.5
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.11
Σ_{i=0}^{1} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
1.4 < η_det < 1.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 6.63
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

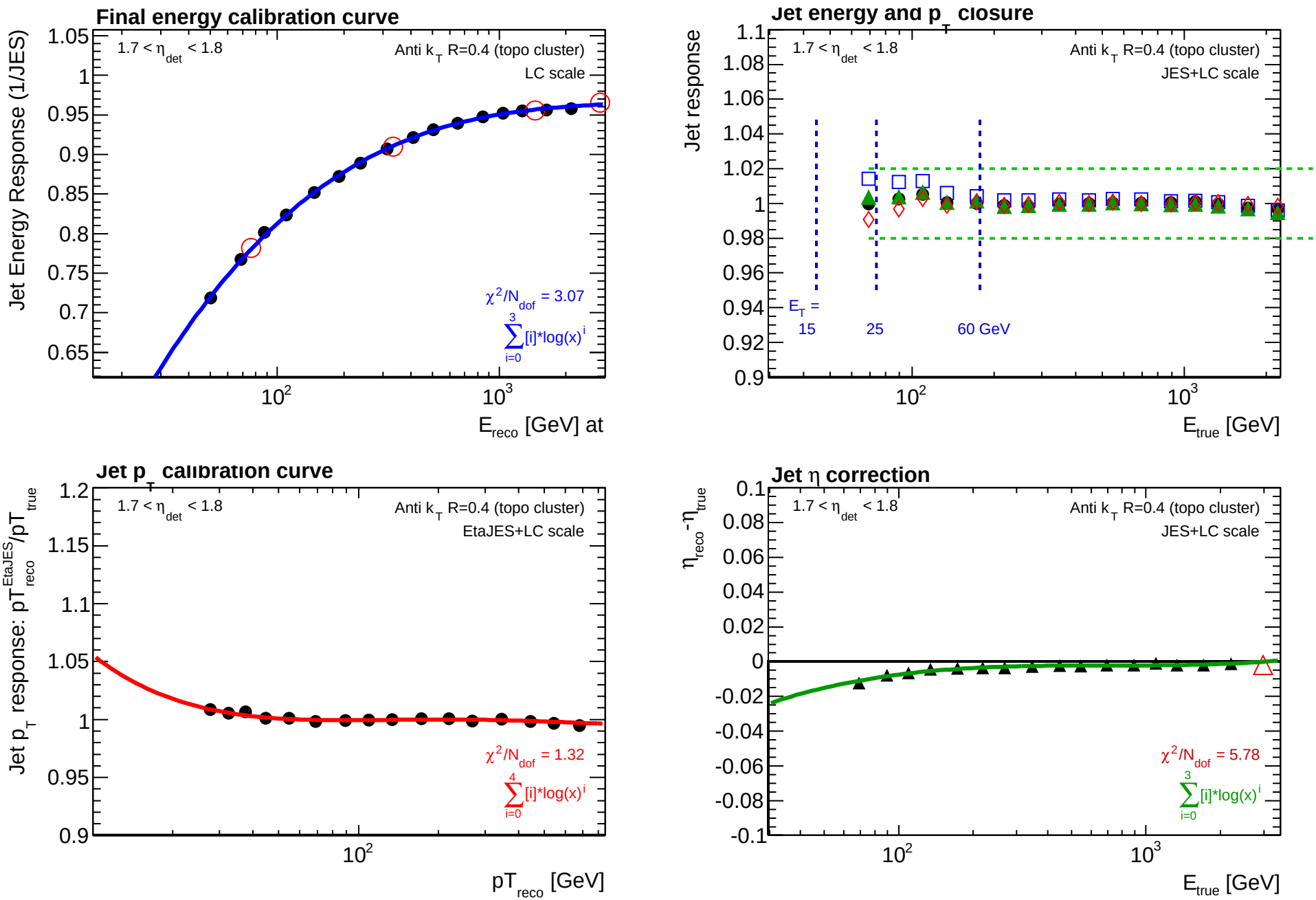

Final energy calibration curve
-1.6 < η_det < -1.5
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.32
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-1.6 < η_det < -1.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-1.6 < η_det < -1.5
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.72
Σ_{i=0}^{1} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-1.6 < η_det < -1.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco -η_true
χ²/N_dof = 3.78
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

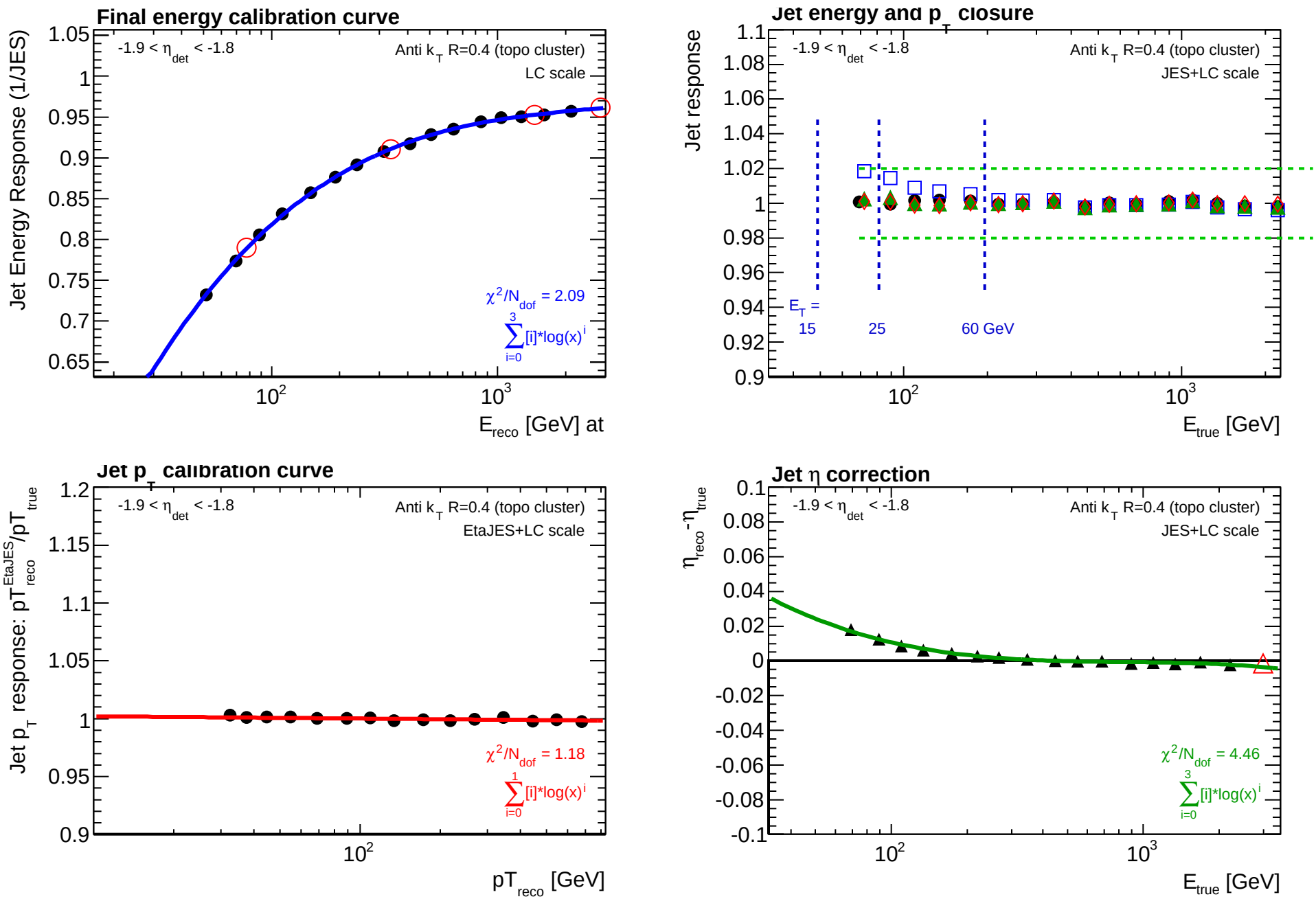

Final energy calibration curve
1.5 < η_det < 1.6
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.83
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
1.5 < η_det < 1.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
1.5 < η_det < 1.6
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 2.40
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
1.5 < η_det < 1.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 2.68
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

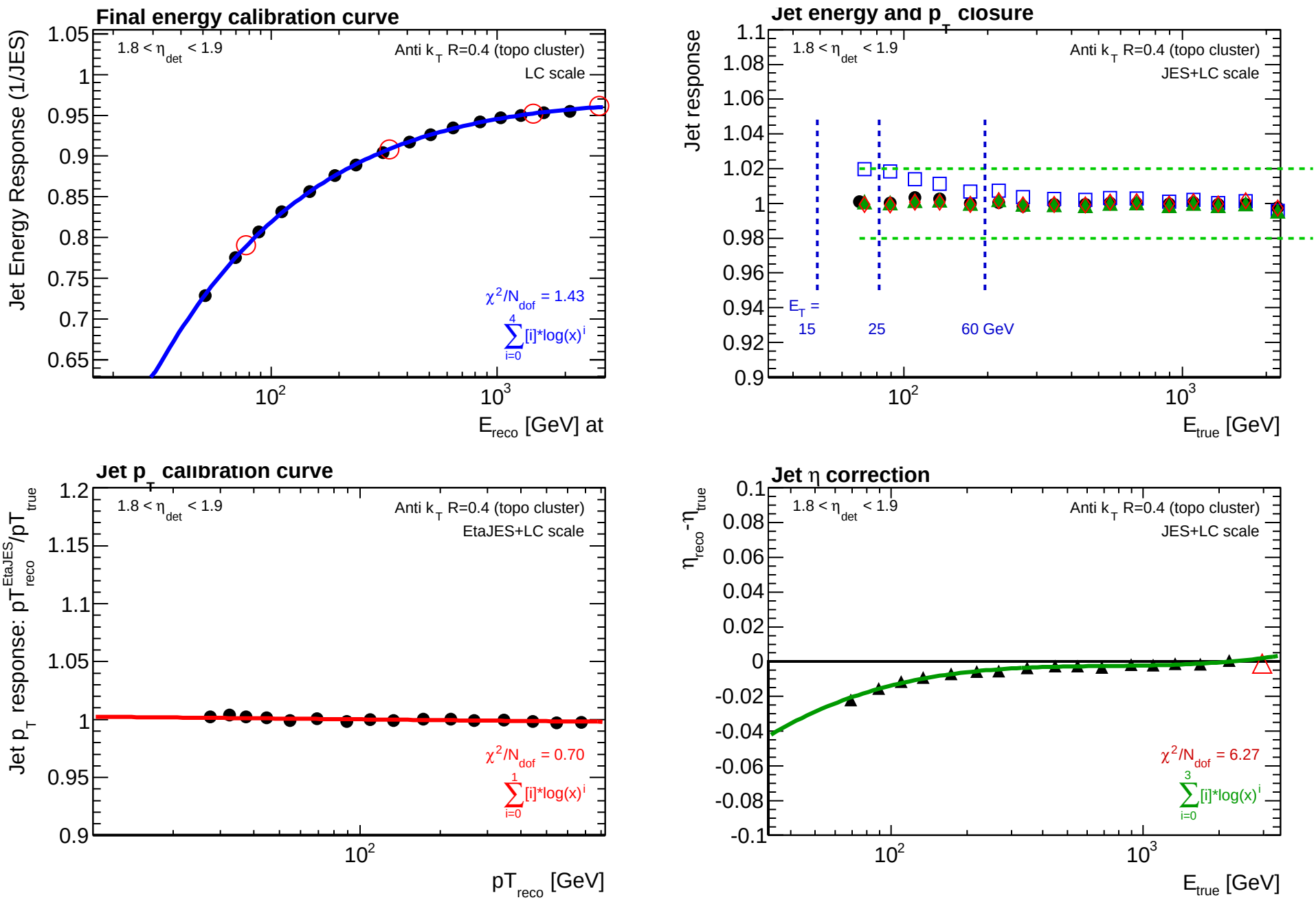

Final energy calibration curve
-1.7 < η_det < -1.6
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.67
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-1.7 < η_det < -1.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-1.7 < η_det < -1.6
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.64
Σ_{i=0}^{1} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-1.7 < η_det < -1.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 5.71
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

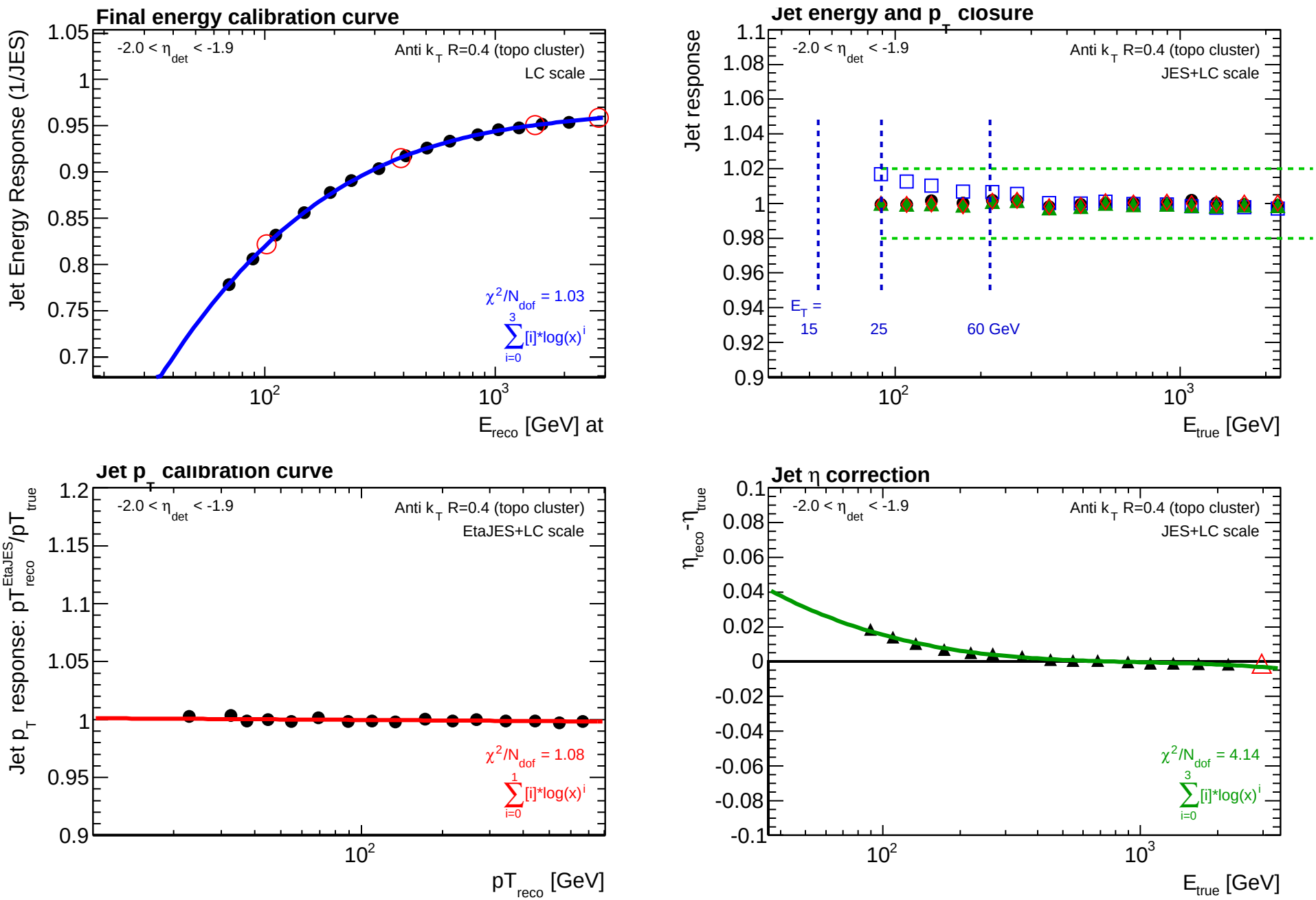

Final energy calibration curve
1.6 < η_det < 1.7
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.46
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
1.6 < η_det < 1.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
1.6 < η_det < 1.7
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 2.16
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
1.6 < η_det < 1.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 5.81
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

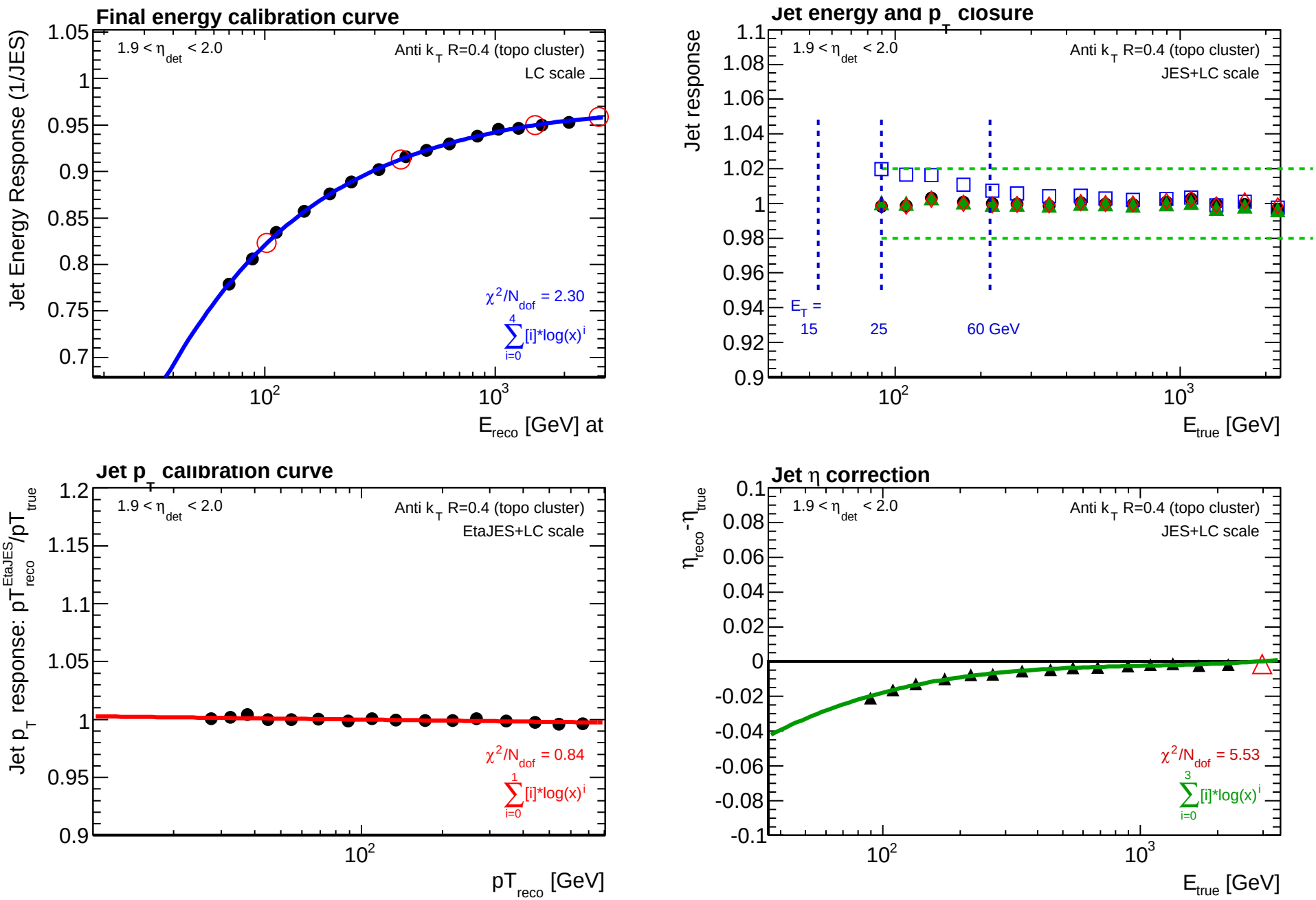

Final energy calibration curve
-1.8 < η_det < -1.7
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.92
Σ_{i=0}^{4} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-1.8 < η_det < -1.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-1.8 < η_det < -1.7
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 2.04
Σ_{i=0}^{1} [i]*log(x)^i
Jet p_T response: pT_reco^EtaJES/pT_true
pT_reco [GeV]
Jet η correction
-1.8 < η_det < -1.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 7.54
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

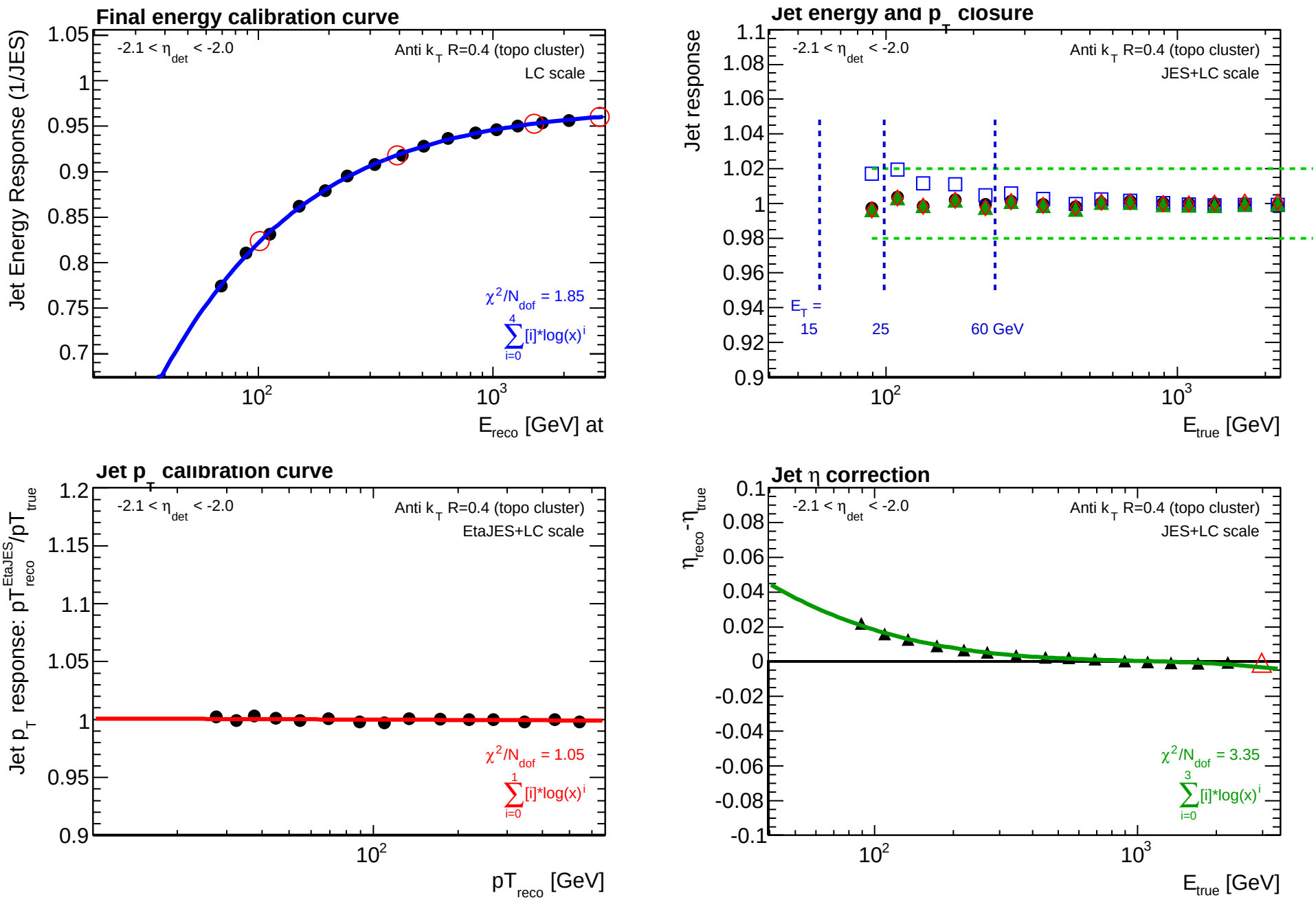

Final energy calibration curve
1.7 < η_det < 1.8
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.07
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
1.7 < η_det < 1.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
1.7 < η_det < 1.8
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.32
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
1.7 < η_det < 1.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 5.78
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

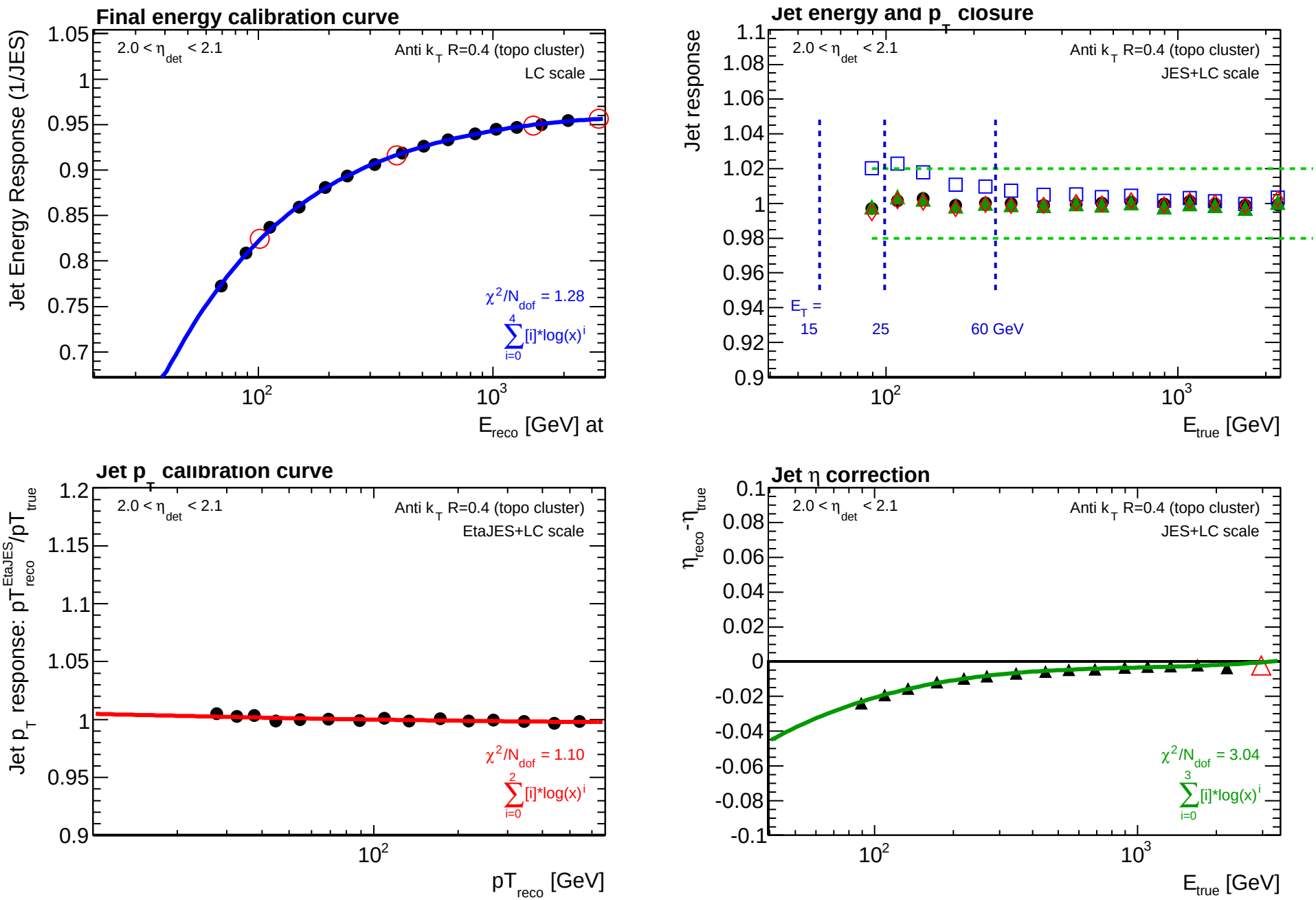

Final energy calibration curve
-1.9 < η_det < -1.8
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.09
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-1.9 < η_det < -1.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-1.9 < η_det < -1.8
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.18
Σ_{i=0}^{1} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-1.9 < η_det < -1.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 4.46
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

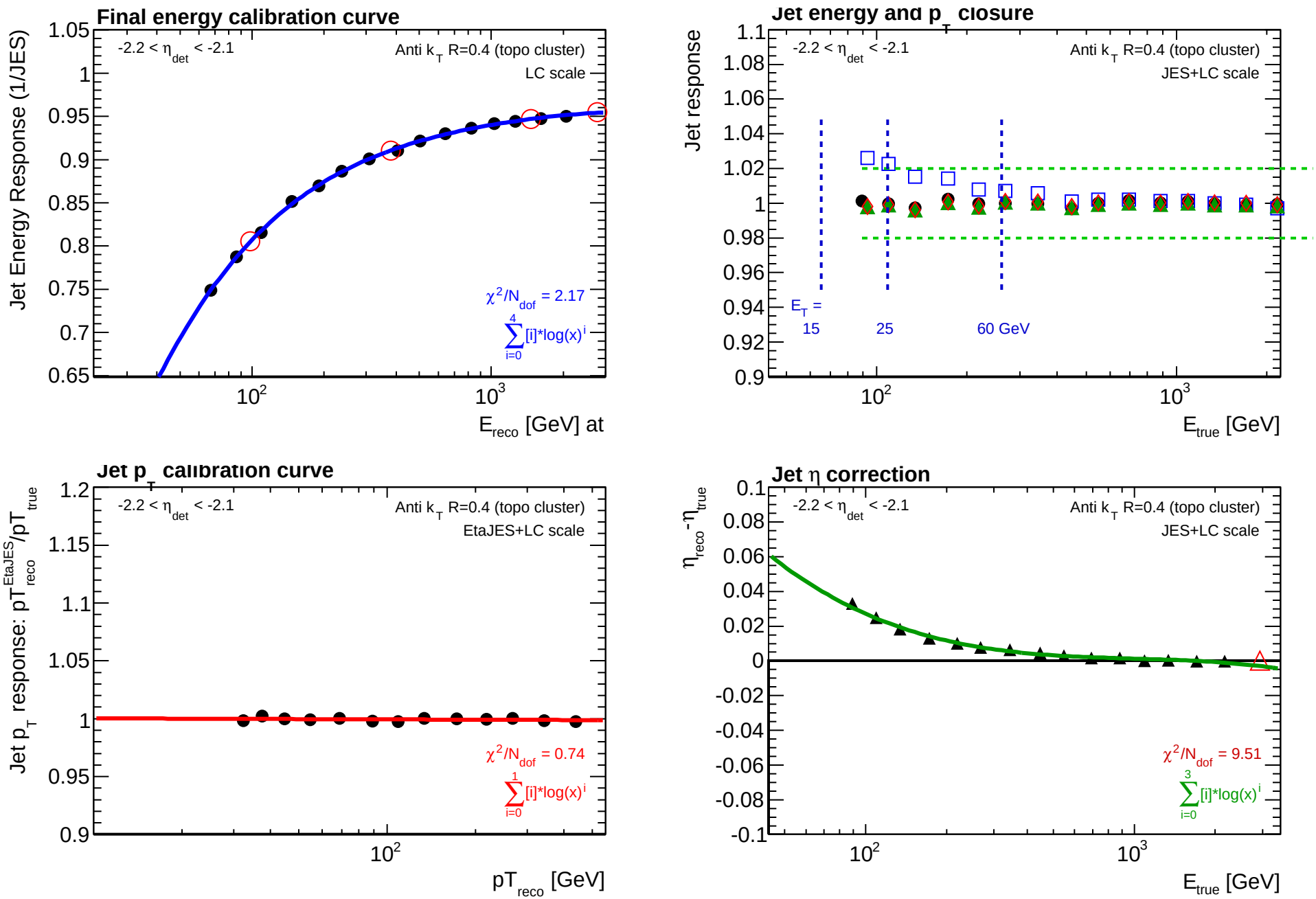

Final energy calibration curve
1.8 < η_det < 1.9
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.43
Σ_{i=0}^{4} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
1.8 < η_det < 1.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
1.8 < η_det < 1.9
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.70
Σ_{i=0}^{1} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
1.8 < η_det < 1.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 6.27
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

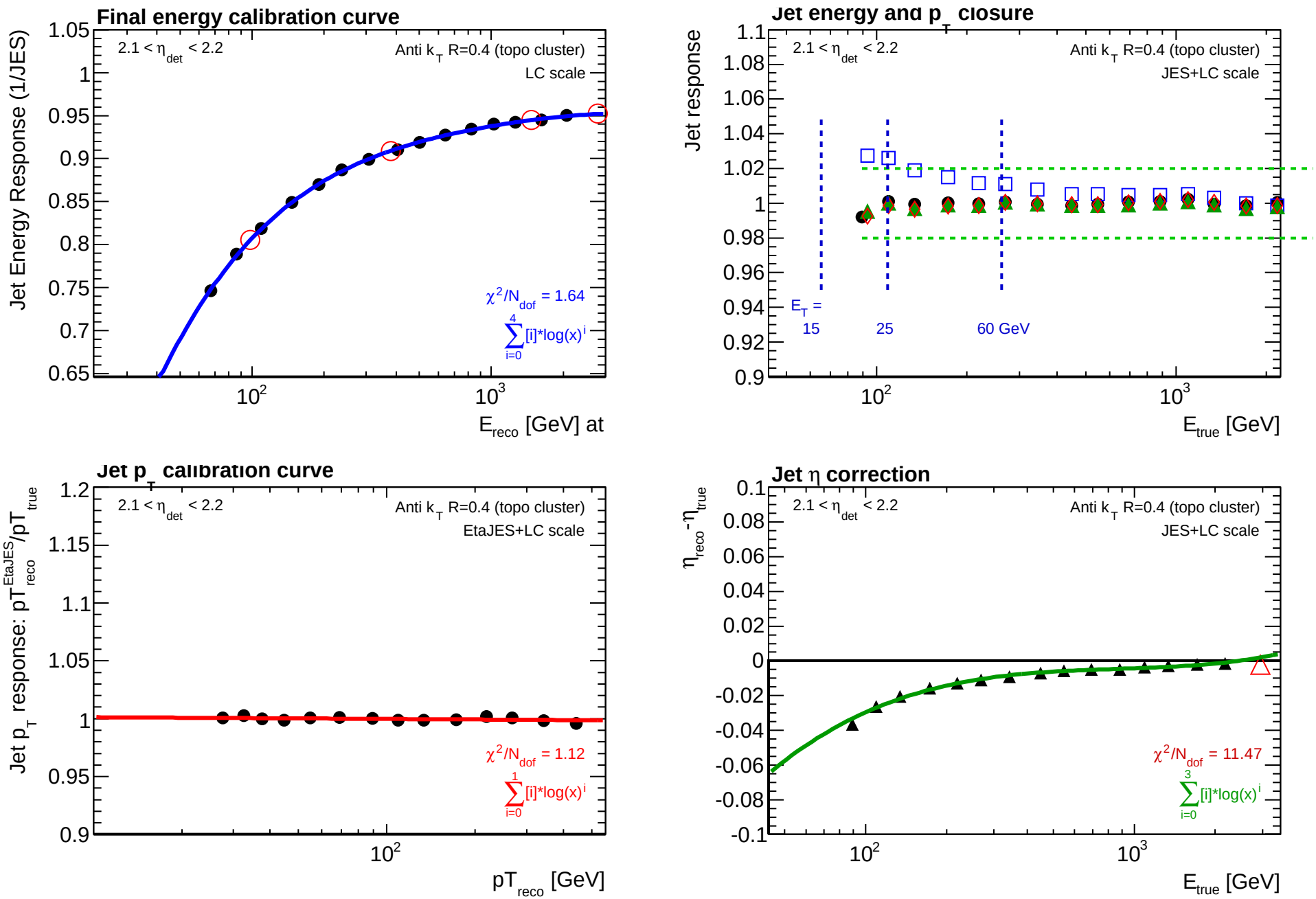

Final energy calibration curve
-2.0 < η_det < -1.9
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.03
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-2.0 < η_det < -1.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-2.0 < η_det < -1.9
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 1.08
Σ_{i=0}^{1} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
-2.0 < η_det < -1.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 4.14
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

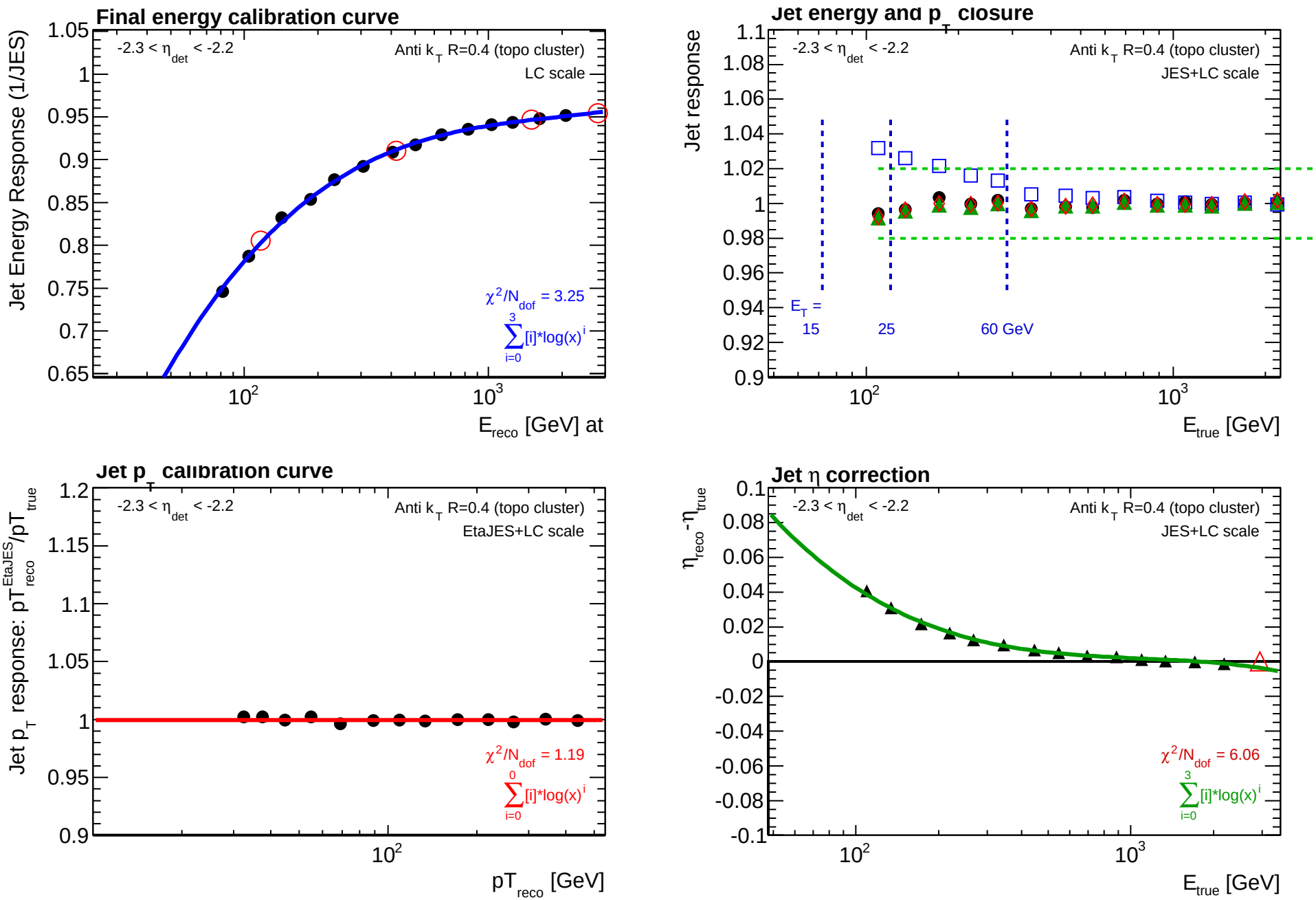

Final energy calibration curve
1.9 < η_det < 2.0
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 2.30
Σ_{i=0}^{4} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
1.9 < η_det < 2.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
1.9 < η_det < 2.0
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.84
Σ_{i=0}^{1} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
1.9 < η_det < 2.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 5.53
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

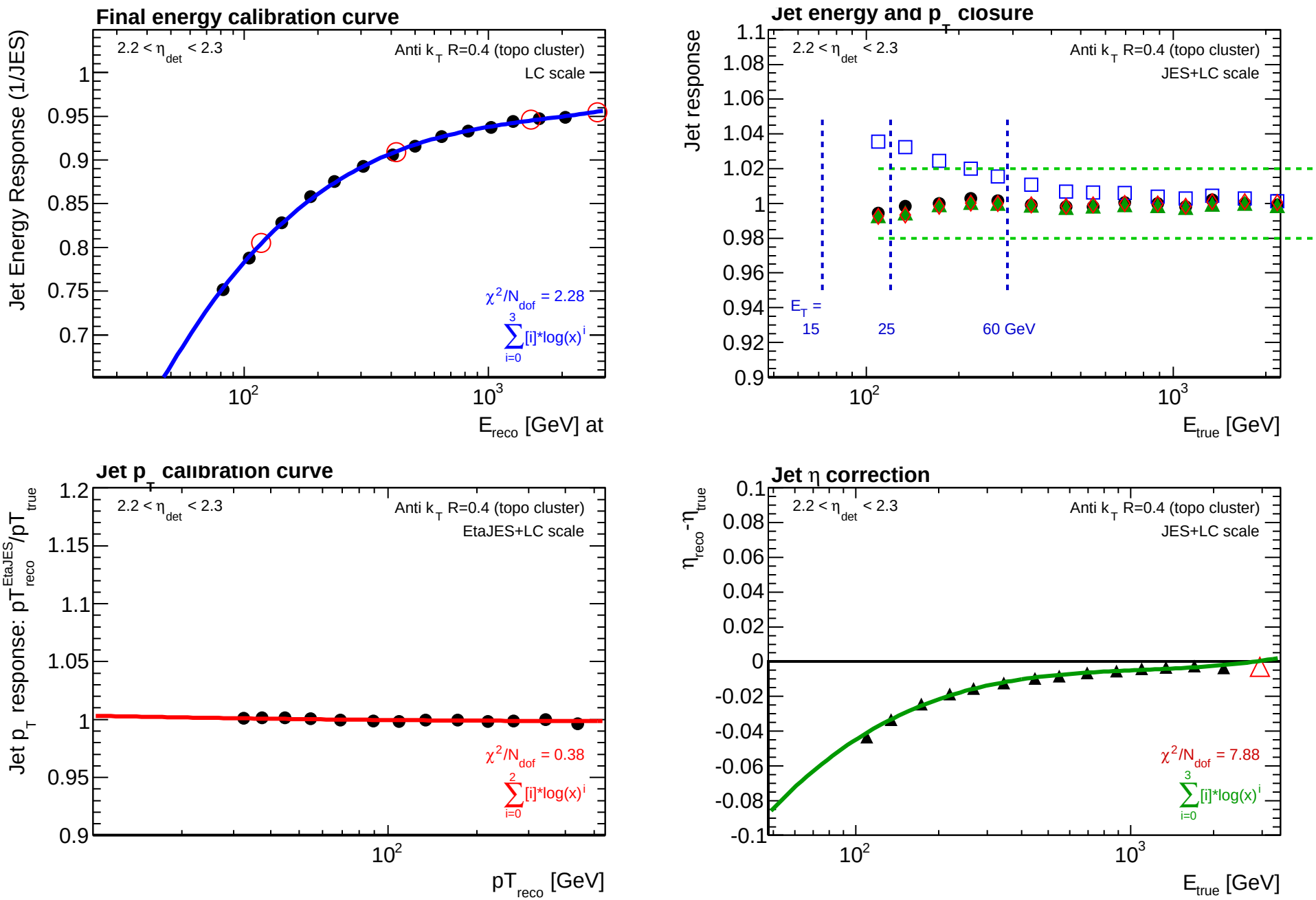

Final energy calibration curve
-2.1 < η_det < -2.0
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.85
Σ_{i=0}^{4} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-2.1 < η_det < -2.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-2.1 < η_det < -2.0
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 1.05
Σ_{i=0}^{1} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
-2.1 < η_det < -2.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 3.35
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

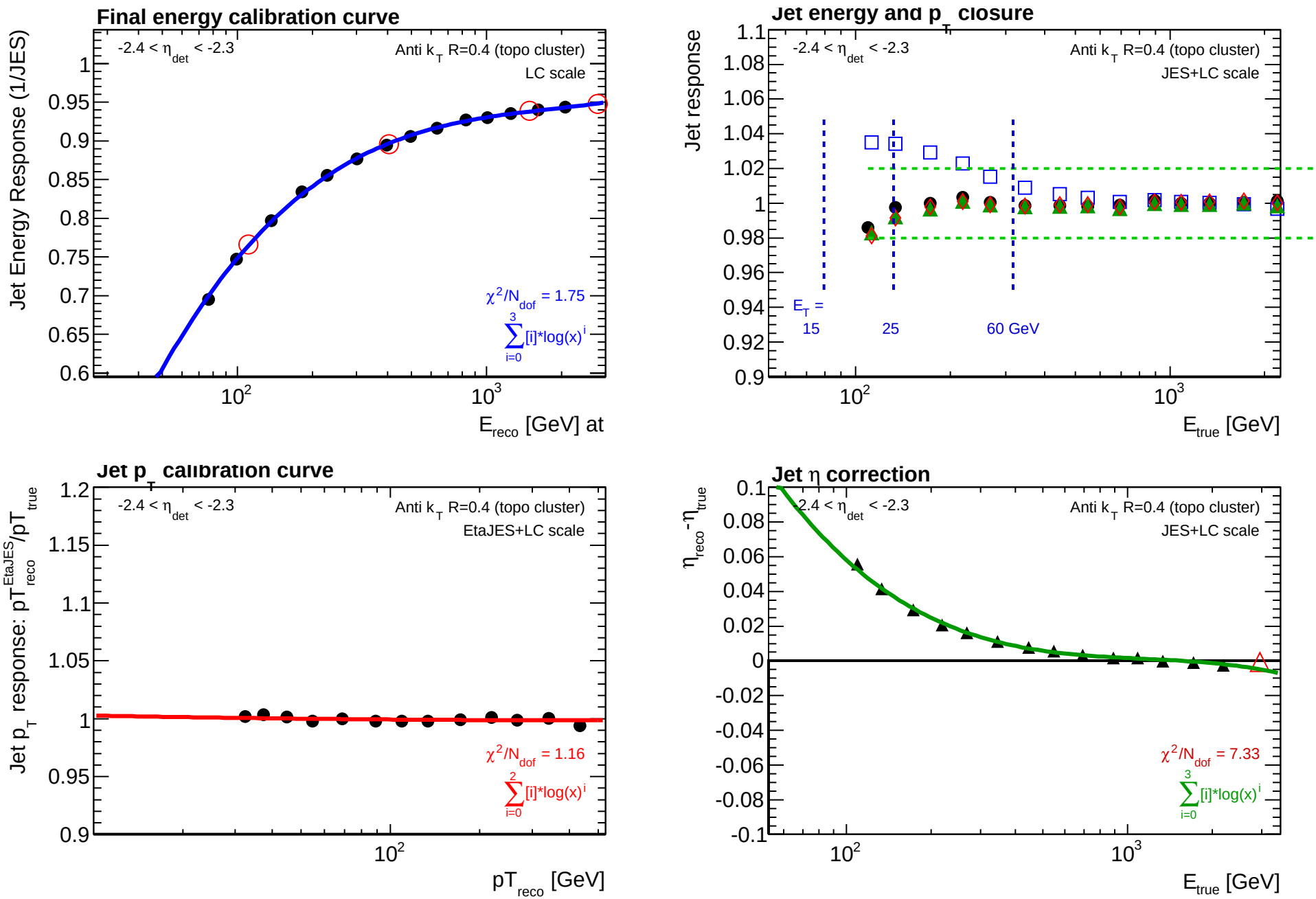

Final energy calibration curve
2.0 < η_det < 2.1
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.28
Σ_{i=0}^{4} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
2.0 < η_det < 2.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
2.0 < η_det < 2.1
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 1.10
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
2.0 < η_det < 2.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 3.04
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

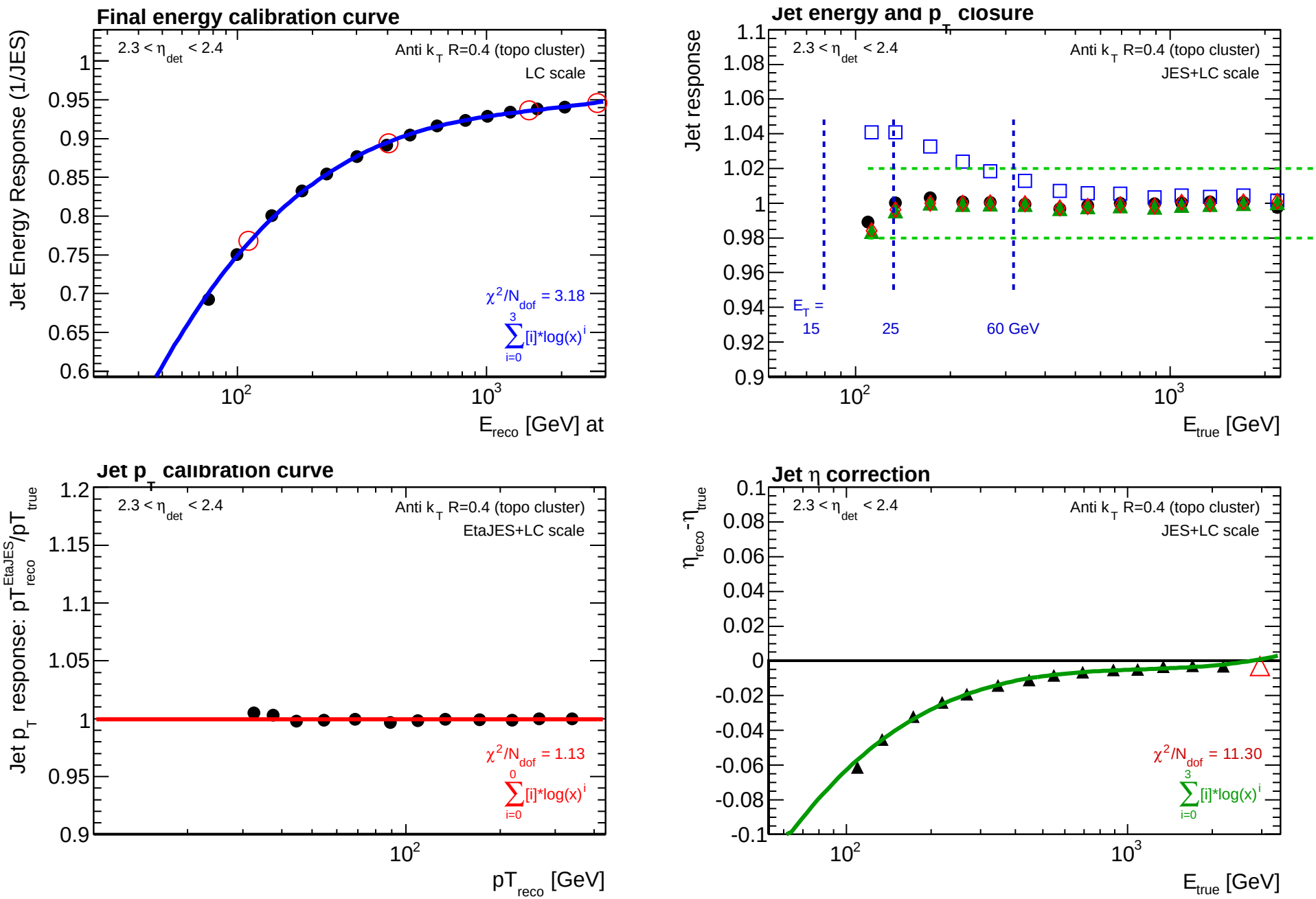

Final energy calibration curve
-2.2 < η_det < -2.1
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 2.17
Σ_{i=0}^{4} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-2.2 < η_det < -2.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-2.2 < η_det < -2.1
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.74
Σ_{i=0}^{1} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
-2.2 < η_det < -2.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 9.51
Σ_{i=0}^{3} [i]*log(x)^i
η_reco -η_true
E_true [GeV]

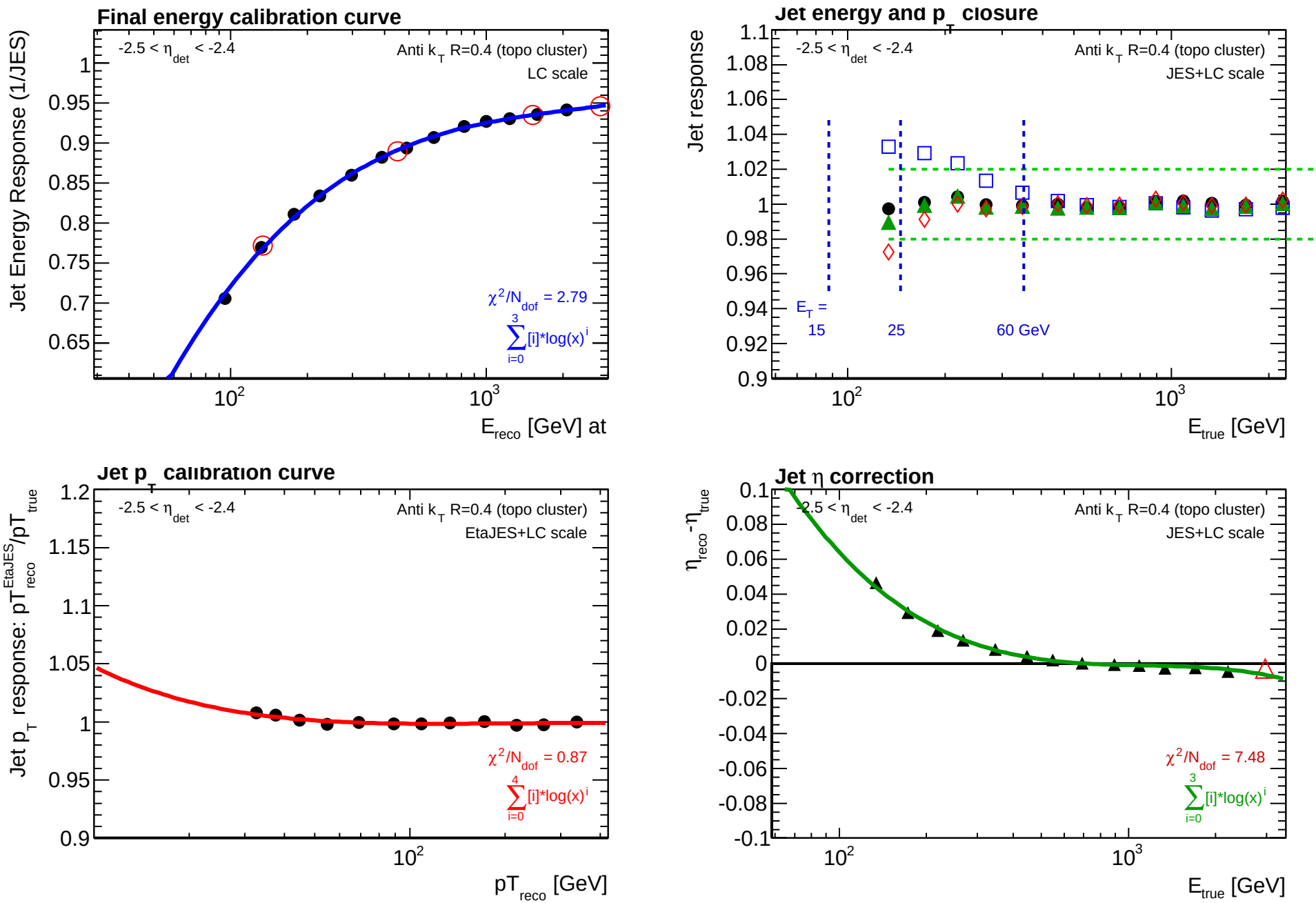

Final energy calibration curve
2.1 < η_det < 2.2
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.64
Σ_{i=0}^{4} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
2.1 < η_det < 2.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
2.1 < η_det < 2.2
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.12
Σ_{i=0}^{1} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
2.1 < η_det < 2.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 11.47
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

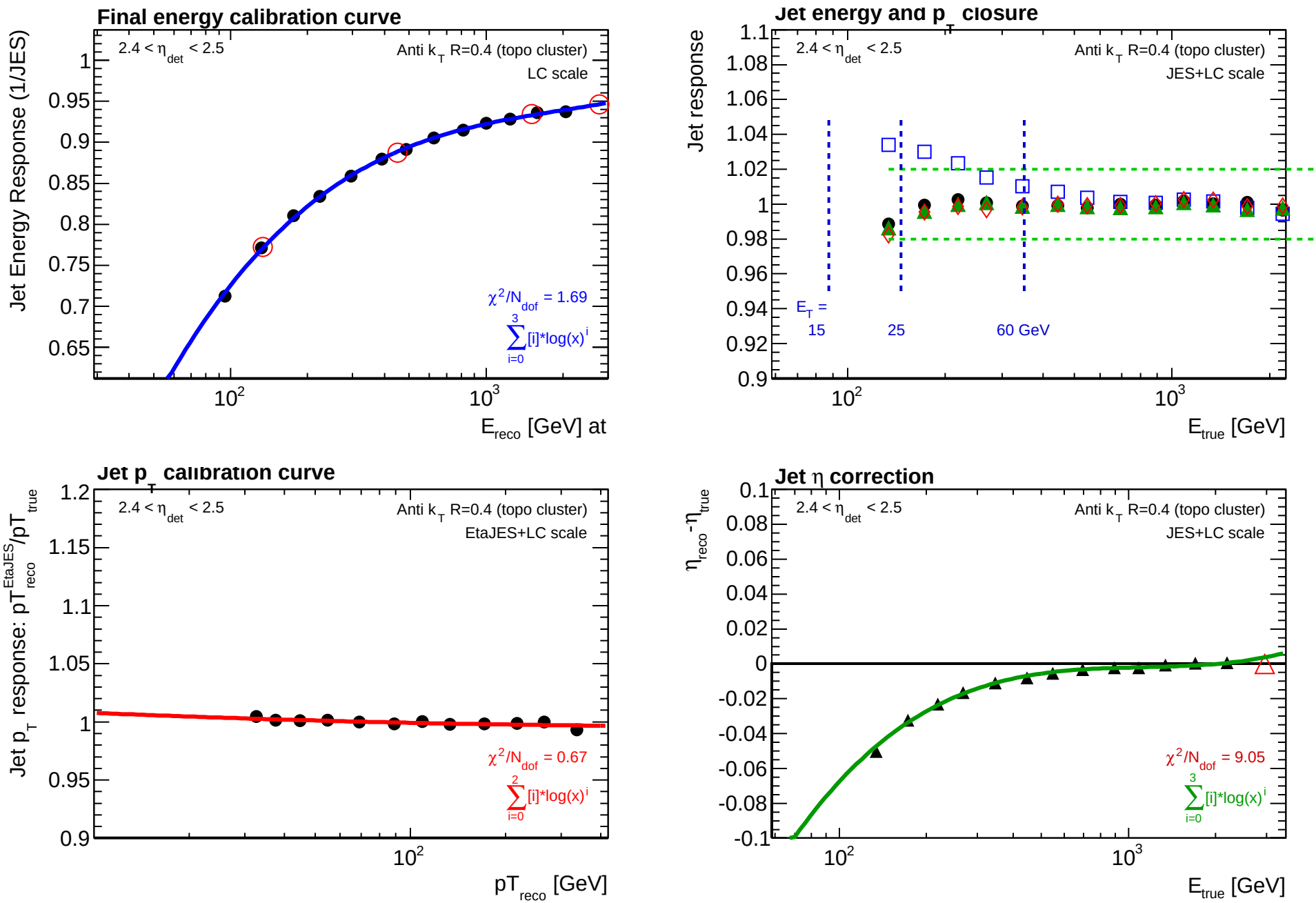

Final energy calibration curve
-2.3 < η_det < -2.2
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.25
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-2.3 < η_det < -2.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-2.3 < η_det < -2.2
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.19
Σ_{i=0}^{0} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-2.3 < η_det < -2.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 6.06
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

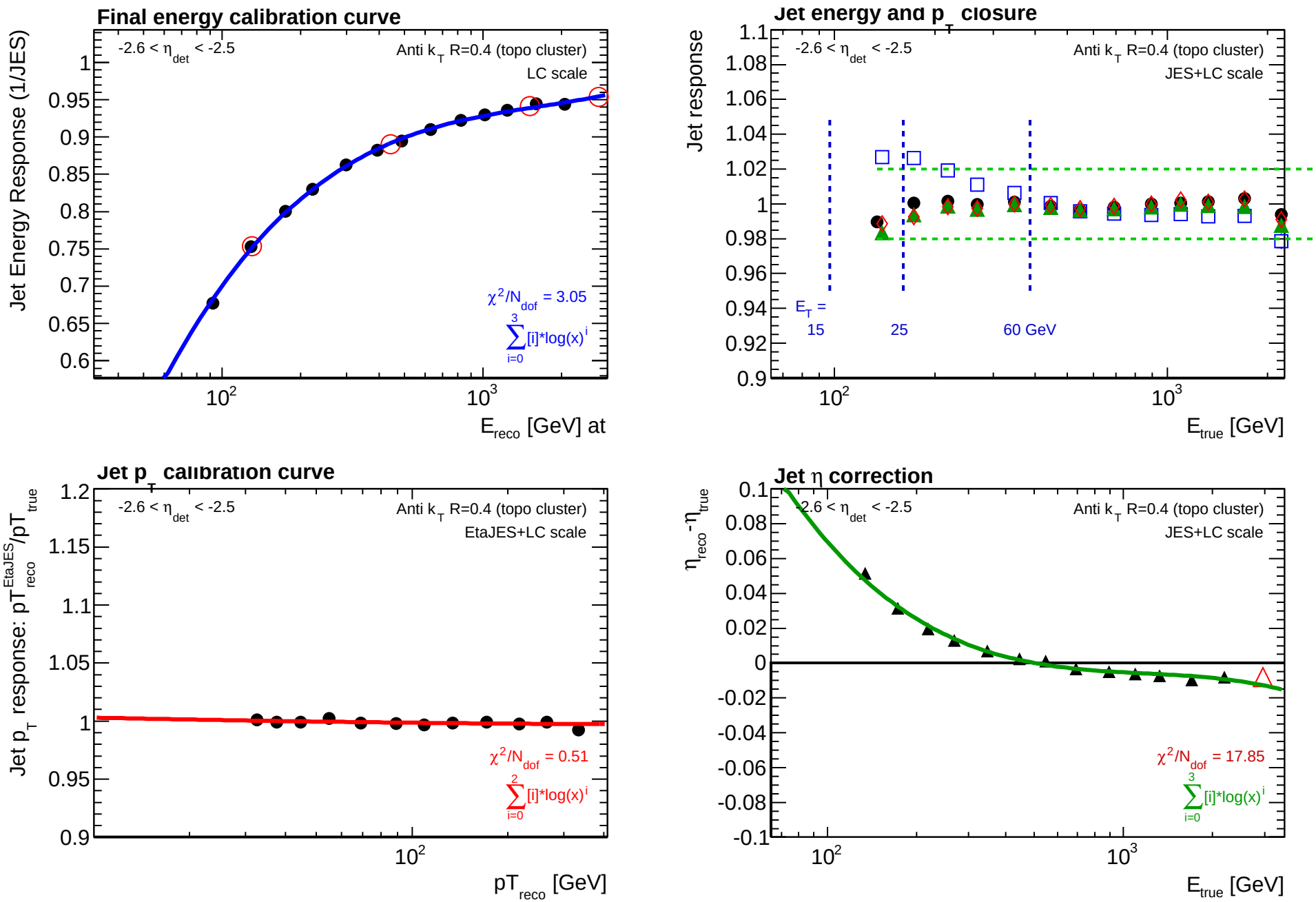

Final energy calibration curve
2.2 < η_det < 2.3
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.28
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
2.2 < η_det < 2.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
2.2 < η_det < 2.3
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.38
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
2.2 < η_det < 2.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 7.88
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

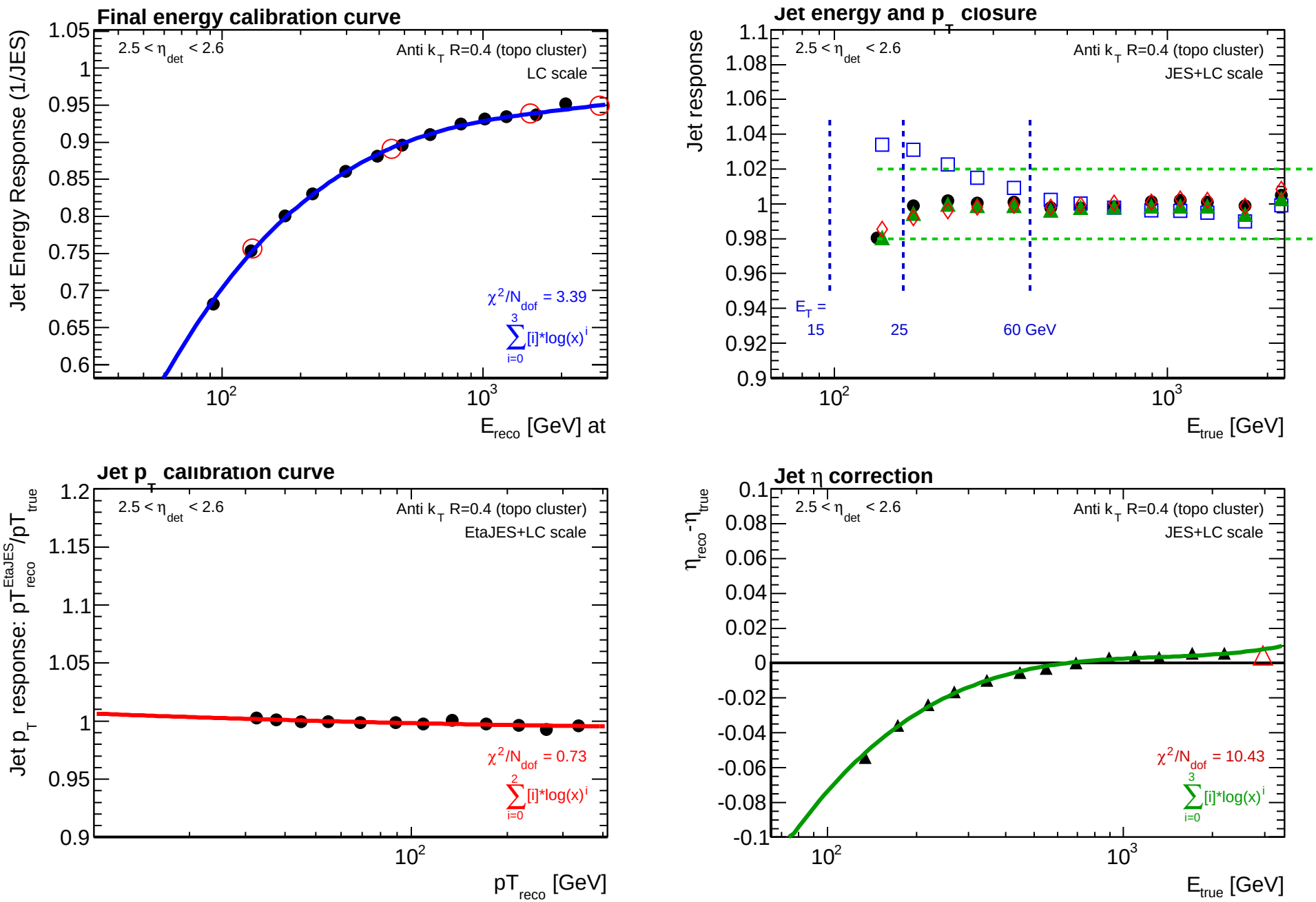

Final energy calibration curve
-2.4 < η_det < -2.3
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.75
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-2.4 < η_det < -2.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-2.4 < η_det < -2.3
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 1.16
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT_reco^EtaJES/pT_true
pT_reco [GeV]
Jet η correction
-2.4 < η_det < -2.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 7.33
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

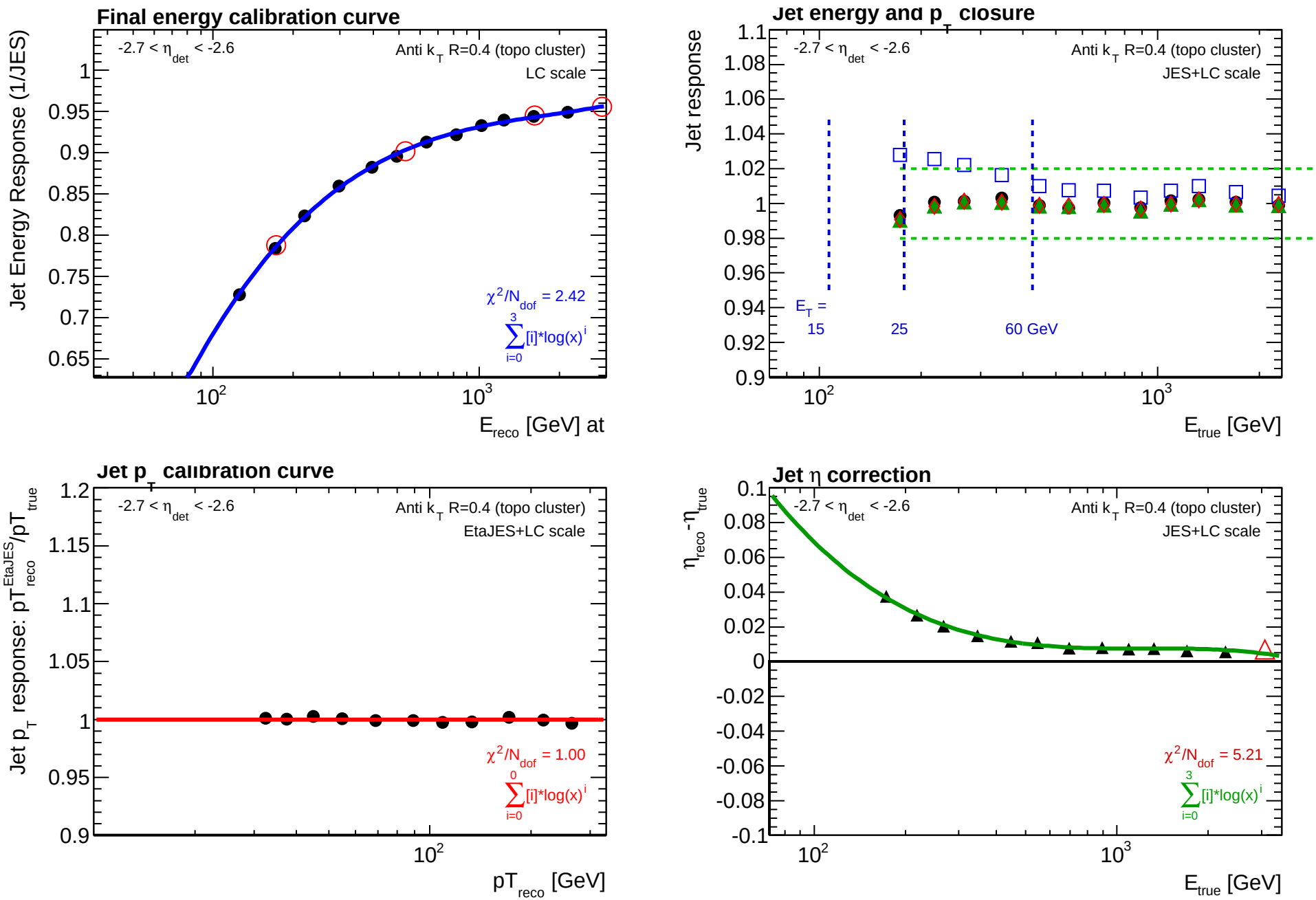

Final energy calibration curve
2.3 < η_det < 2.4
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.18
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
2.3 < η_det < 2.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
2.3 < η_det < 2.4
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.13
Σ_{i=0}^{0} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
2.3 < η_det < 2.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 11.30
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

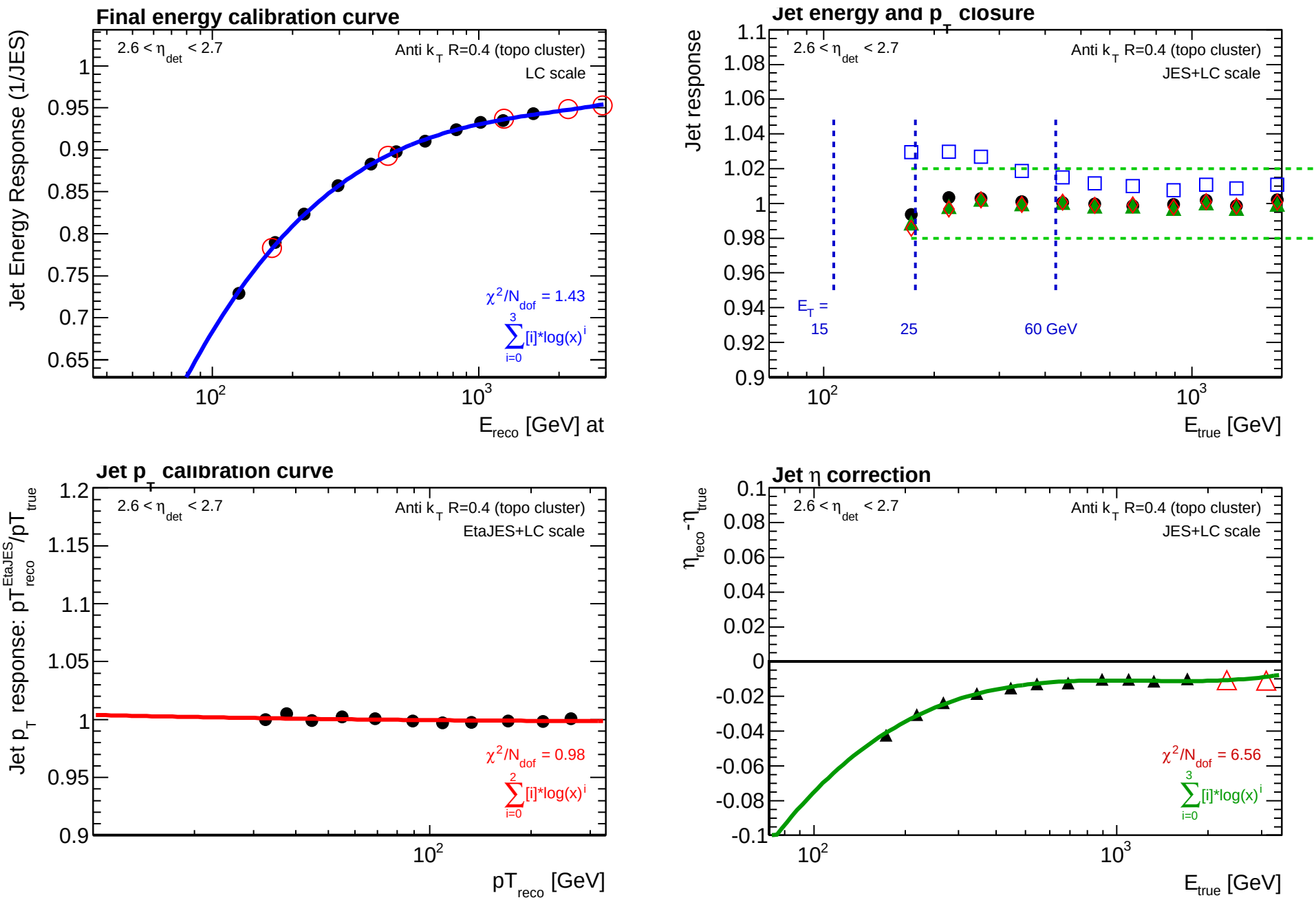

Final energy calibration curve
-2.5 < η_det < -2.4
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.79
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-2.5 < η_det < -2.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-2.5 < η_det < -2.4
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.87
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-2.5 < η_det < -2.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco -η_true
χ²/N_dof = 7.48
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

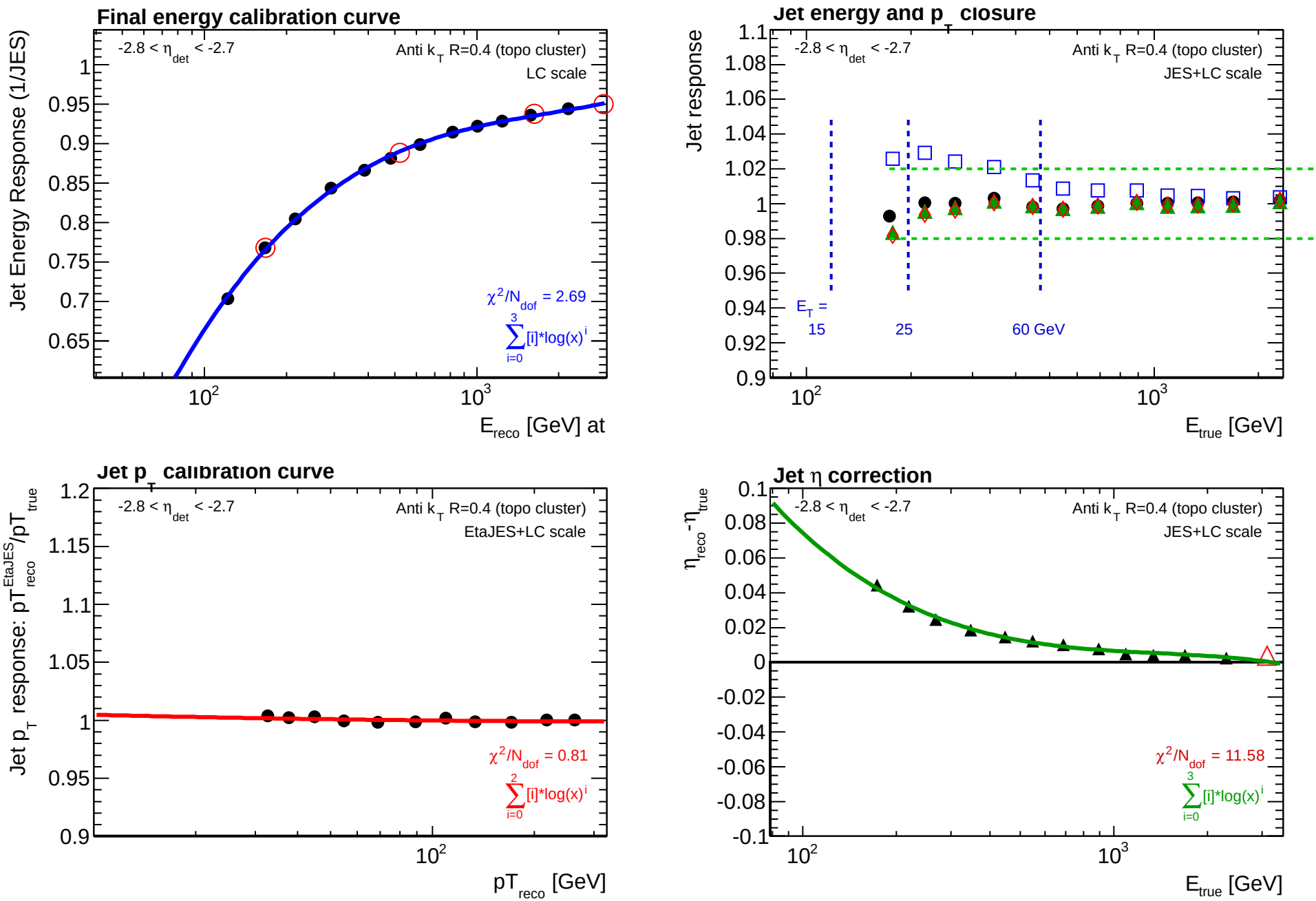

Final energy calibration curve
2.4 < η_det < 2.5
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.69
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
2.4 < η_det < 2.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
2.4 < η_det < 2.5
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.67
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
2.4 < η_det < 2.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 9.05
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

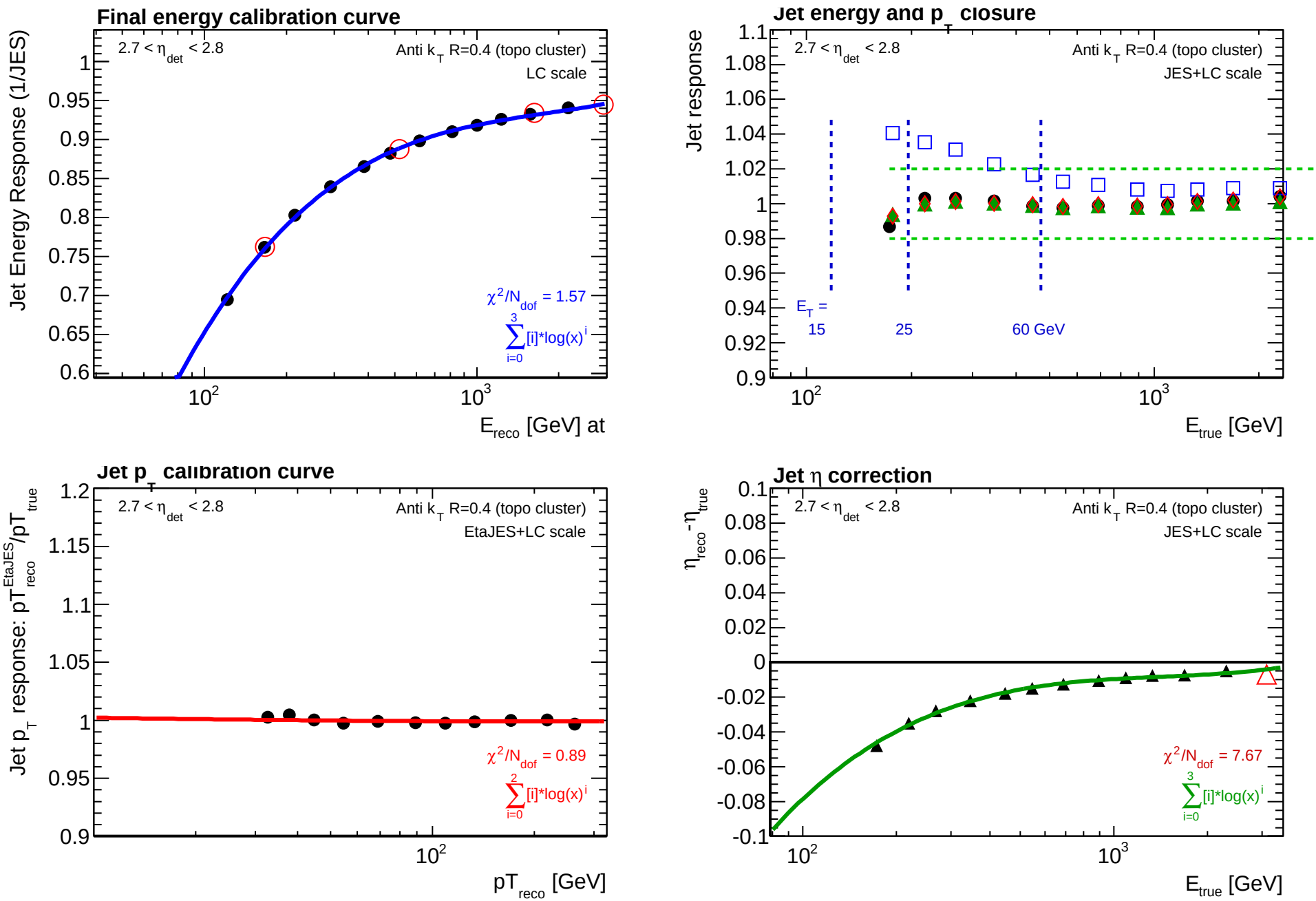

Final energy calibration curve
-2.6 < η_det < -2.5
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.05
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-2.6 < η_det < -2.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-2.6 < η_det < -2.5
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.51
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-2.6 < η_det < -2.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco -η_true
χ²/N_dof = 17.85
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

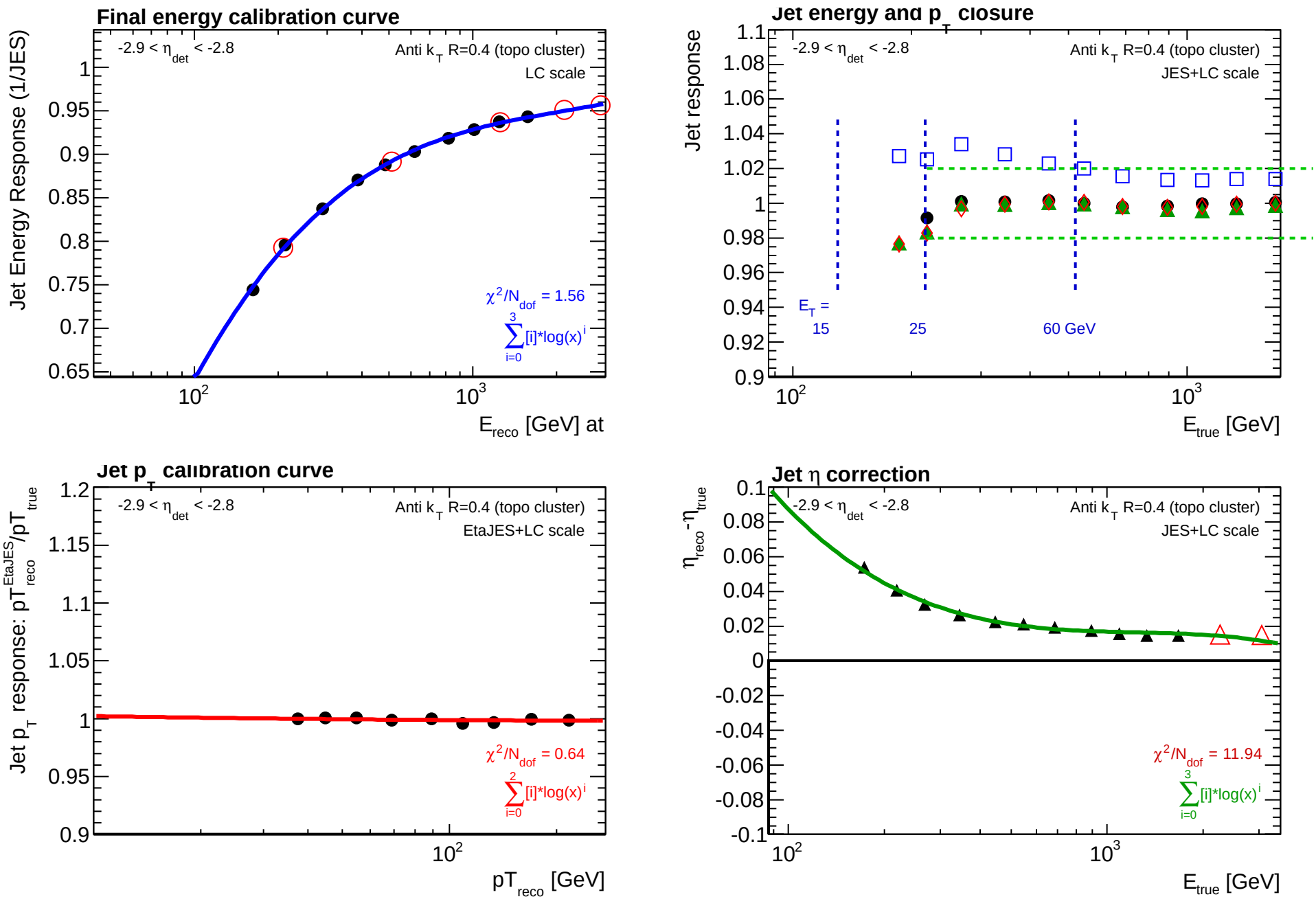

Final energy calibration curve
2.5 < η_det < 2.6
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.39
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
2.5 < η_det < 2.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
2.5 < η_det < 2.6
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.73
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
2.5 < η_det < 2.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 10.43
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

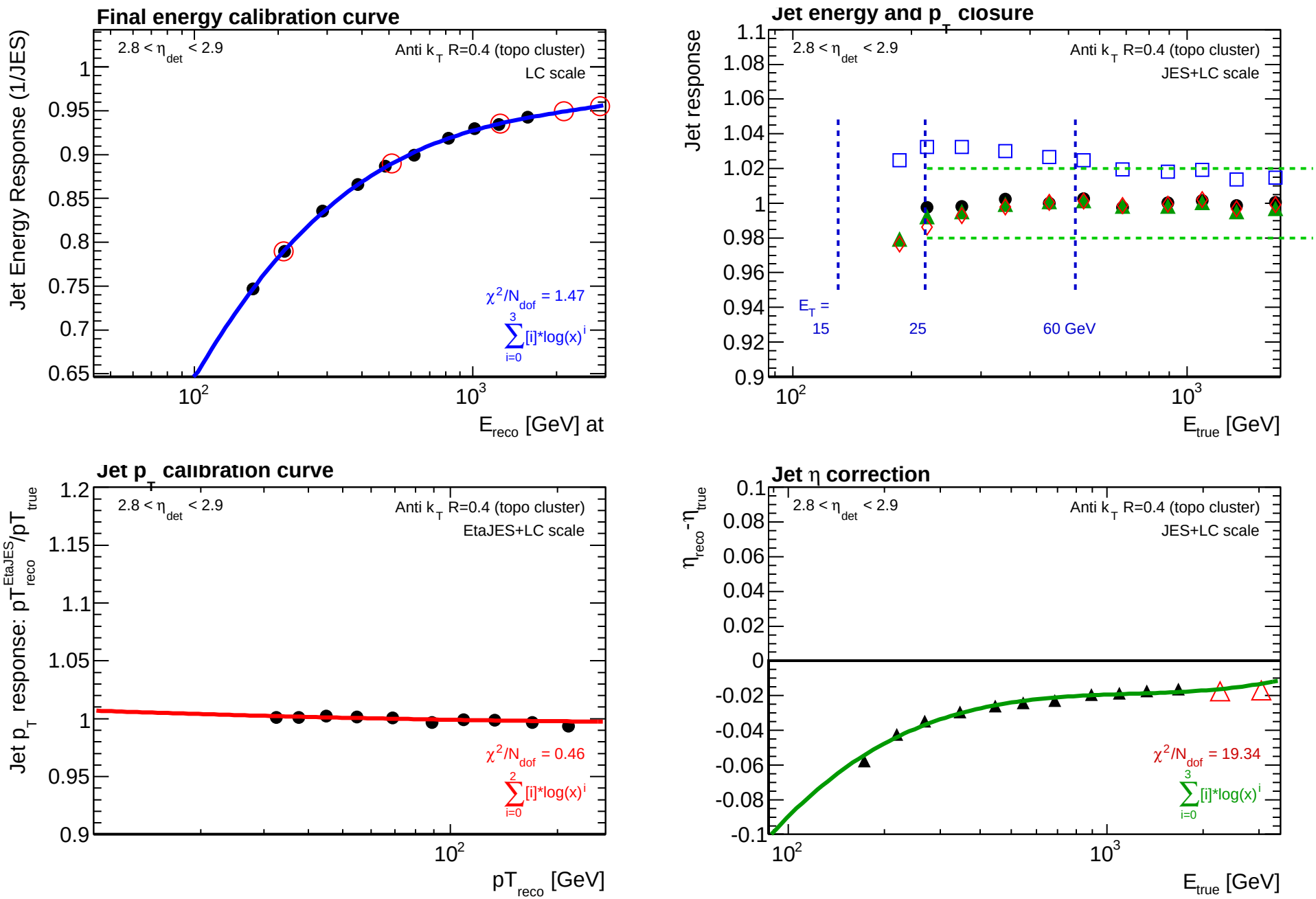

Final energy calibration curve
-2.7 < η_det < -2.6
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.42
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-2.7 < η_det < -2.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-2.7 < η_det < -2.6
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.00
Σ_{i=0}^{0} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-2.7 < η_det < -2.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 5.21
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

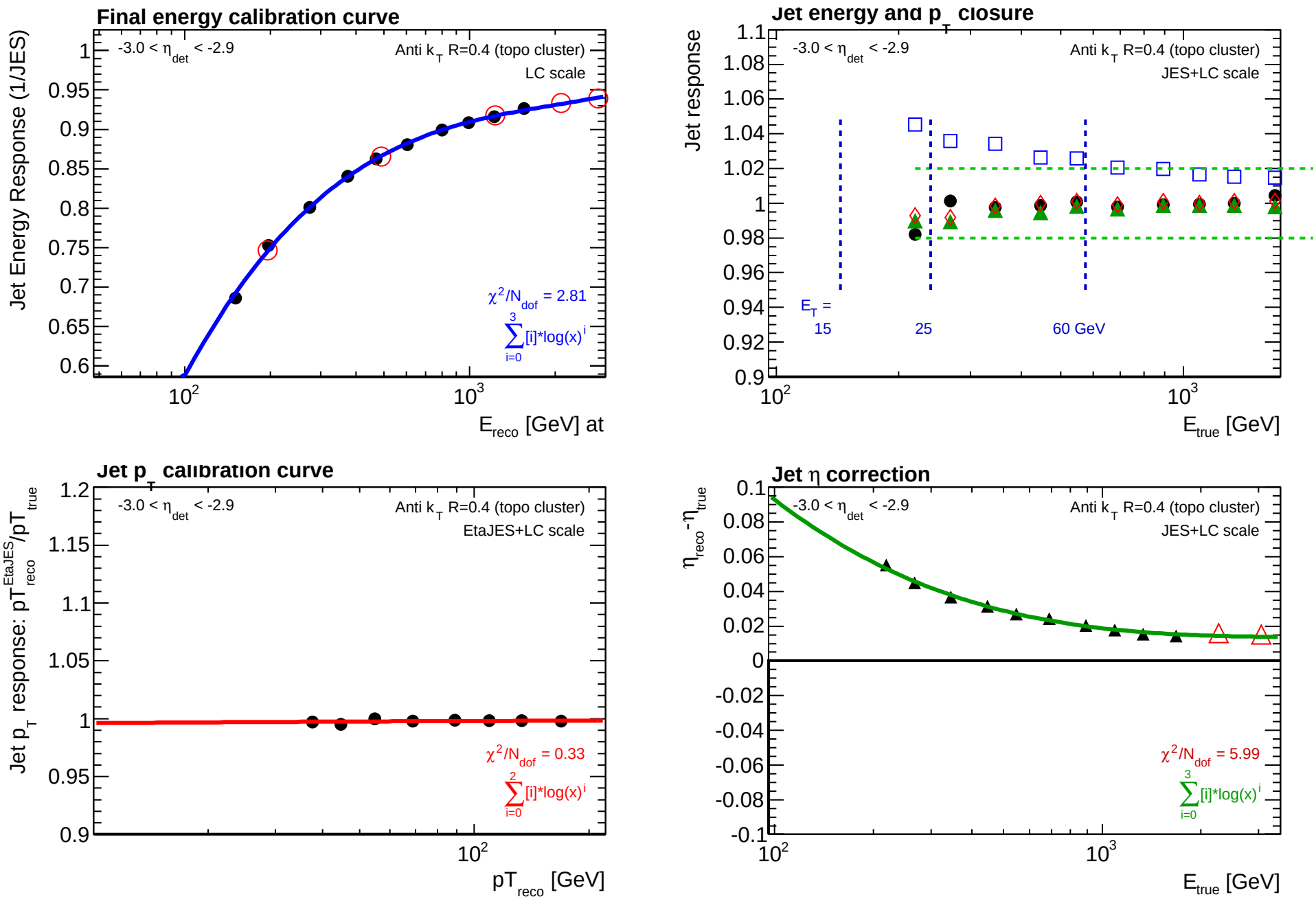

Final energy calibration curve
2.6 < η_det < 2.7
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.43
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
2.6 < η_det < 2.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
2.6 < η_det < 2.7
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.98
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
2.6 < η_det < 2.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 6.56
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

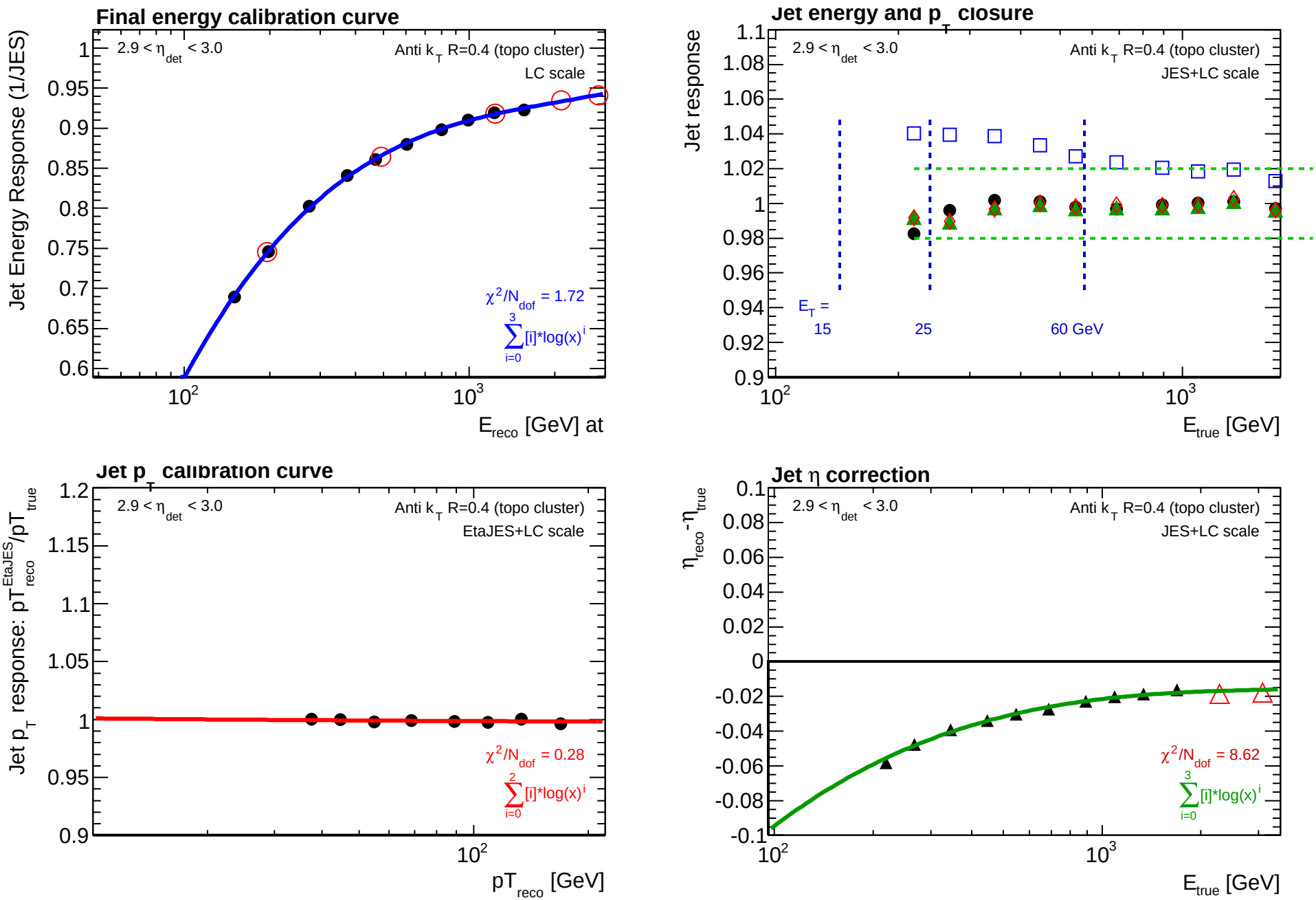

Final energy calibration curve
-2.8 < η_det < -2.7
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.69
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-2.8 < η_det < -2.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-2.8 < η_det < -2.7
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.81
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-2.8 < η_det < -2.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 11.58
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

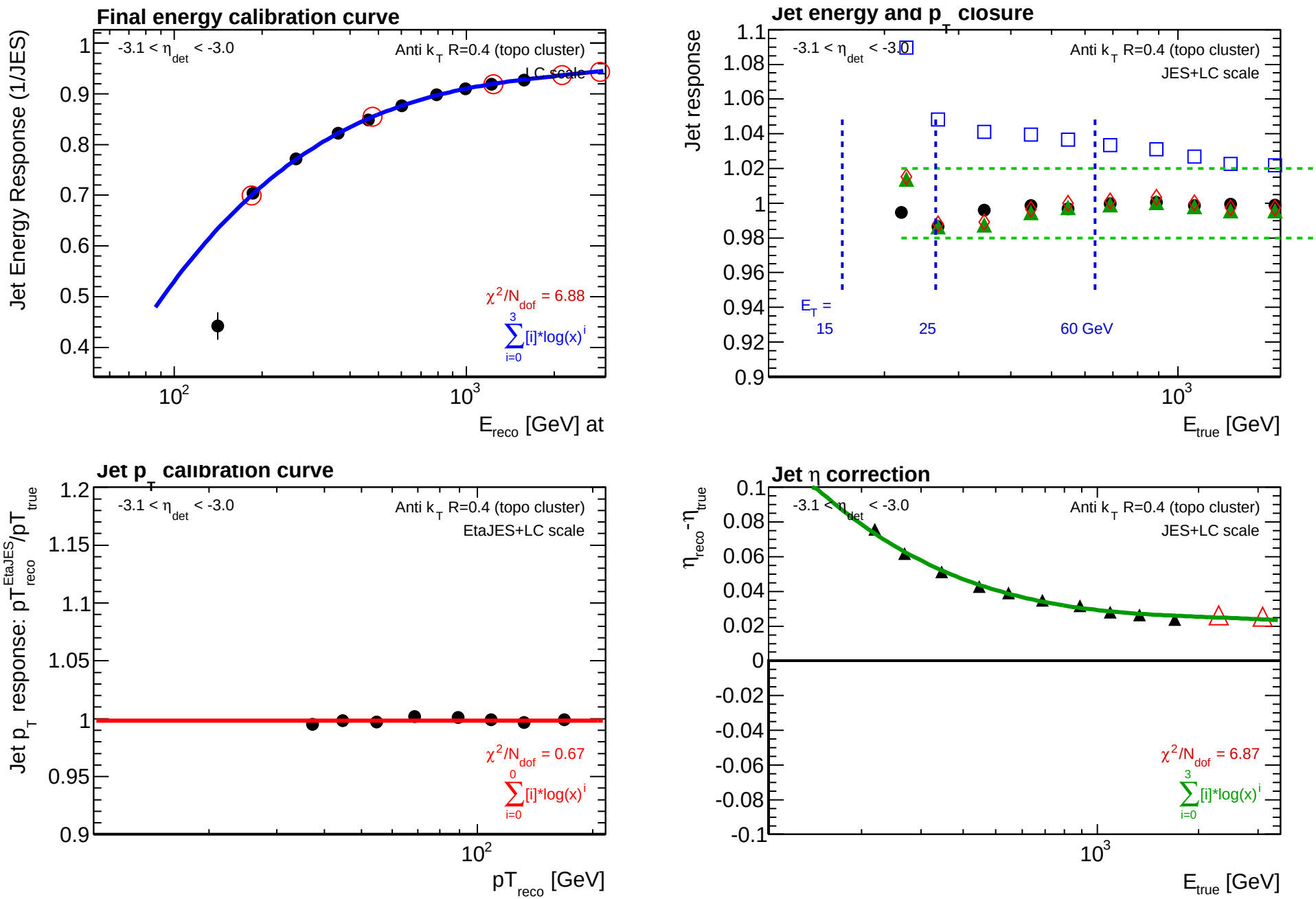

Final energy calibration curve
2.7 < η_det < 2.8
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.57
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
2.7 < η_det < 2.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
2.7 < η_det < 2.8
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.89
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
2.7 < η_det < 2.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 7.67
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

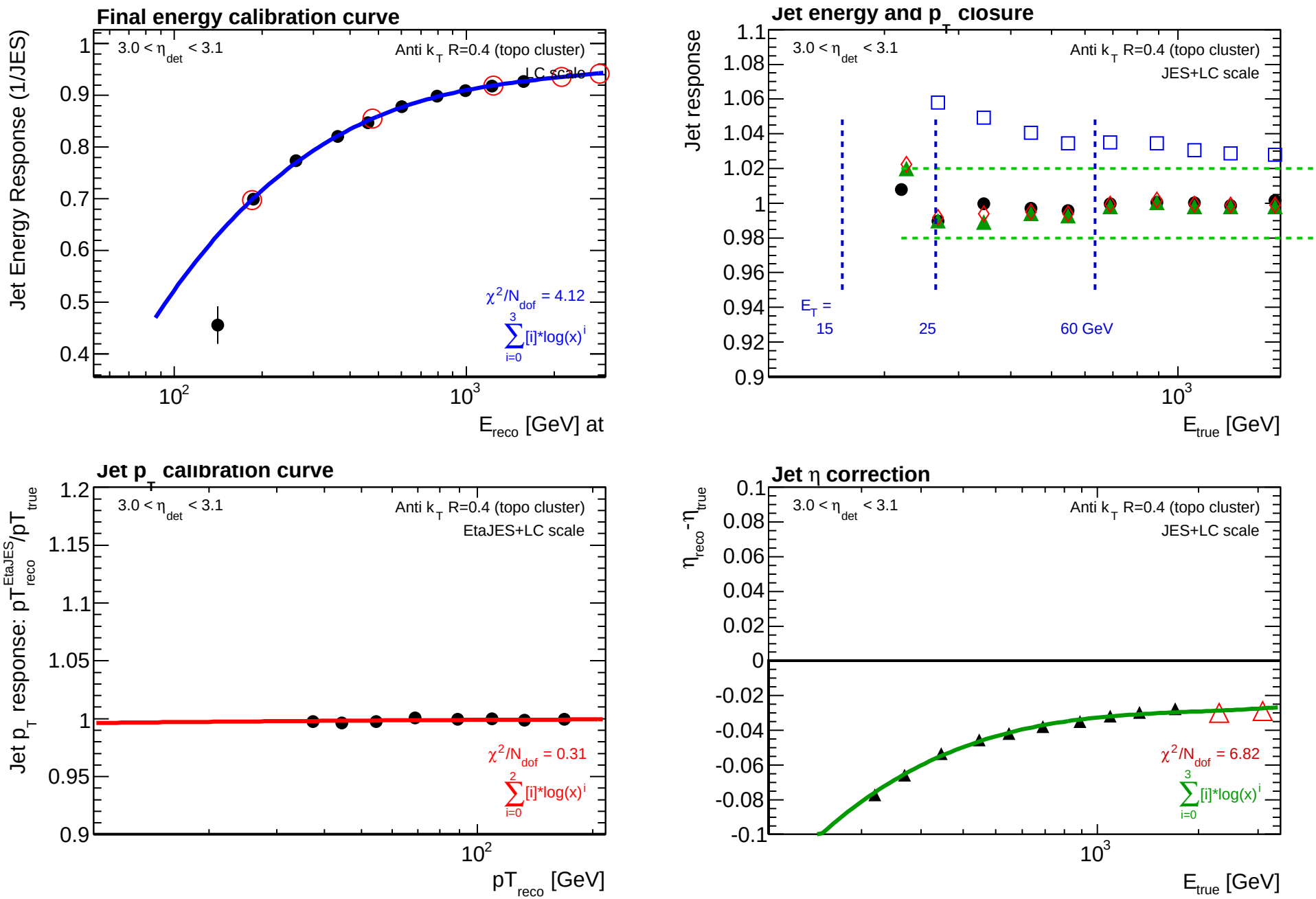

Final energy calibration curve
-2.9 < η_det < -2.8
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.56
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-2.9 < η_det < -2.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-2.9 < η_det < -2.8
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.64
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-2.9 < η_det < -2.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 11.94
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

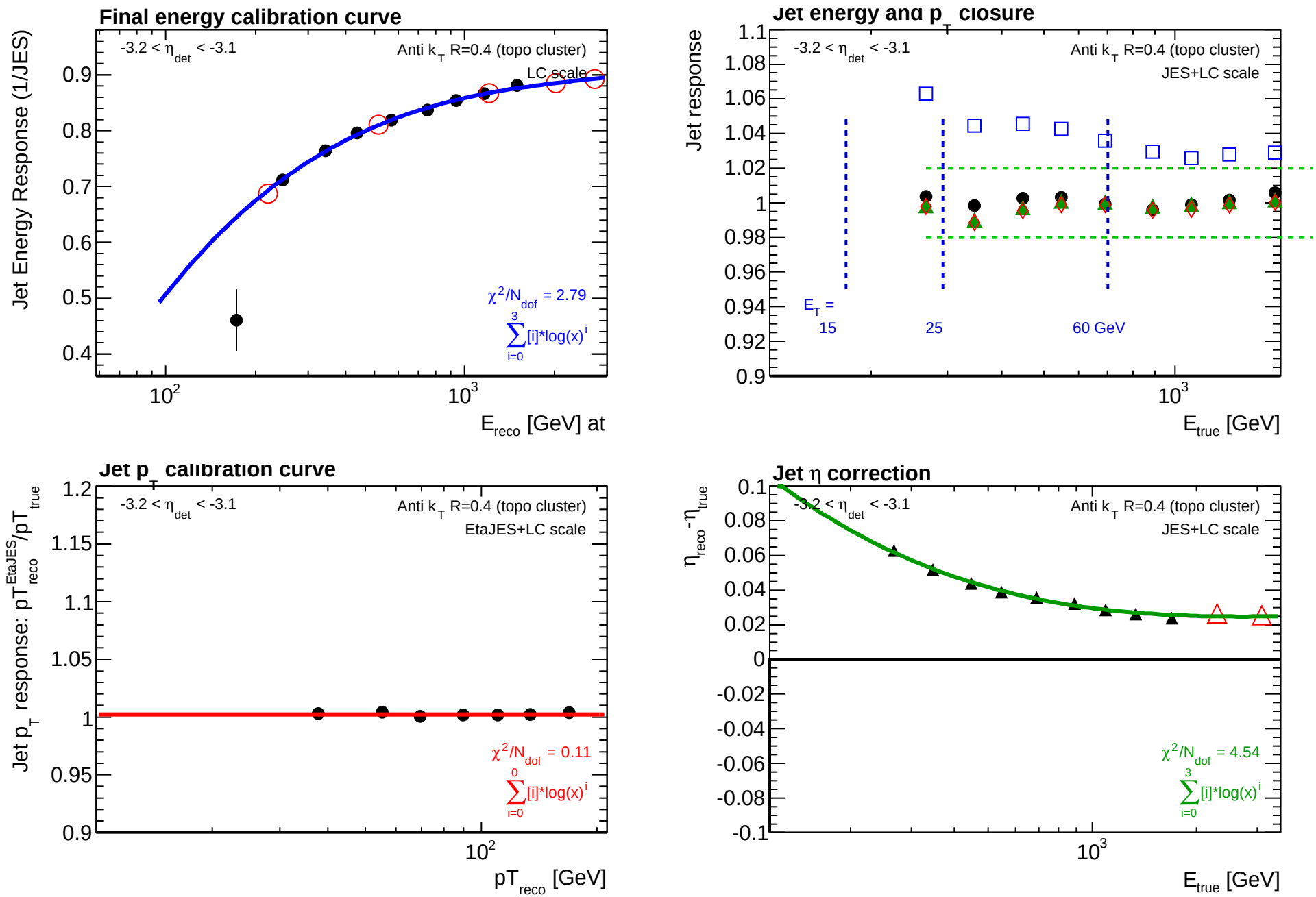

Final energy calibration curve
2.8 < η_det < 2.9
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.47
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
2.8 < η_det < 2.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
2.8 < η_det < 2.9
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.46
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
2.8 < η_det < 2.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 19.34
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

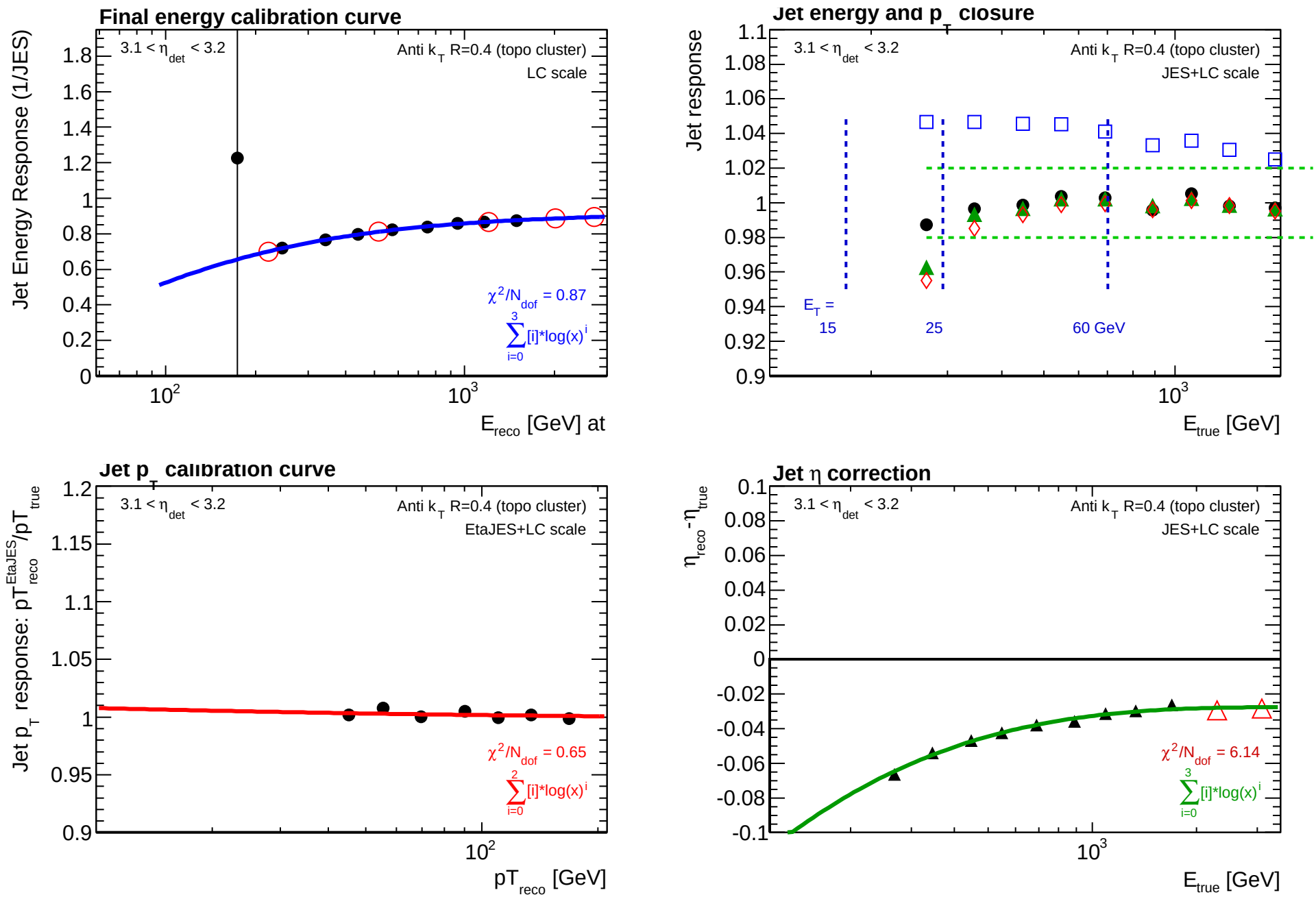

Final energy calibration curve
-3.0 < η_det < -2.9
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.81
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-3.0 < η_det < -2.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-3.0 < η_det < -2.9
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.33
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-3.0 < η_det < -2.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 5.99
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

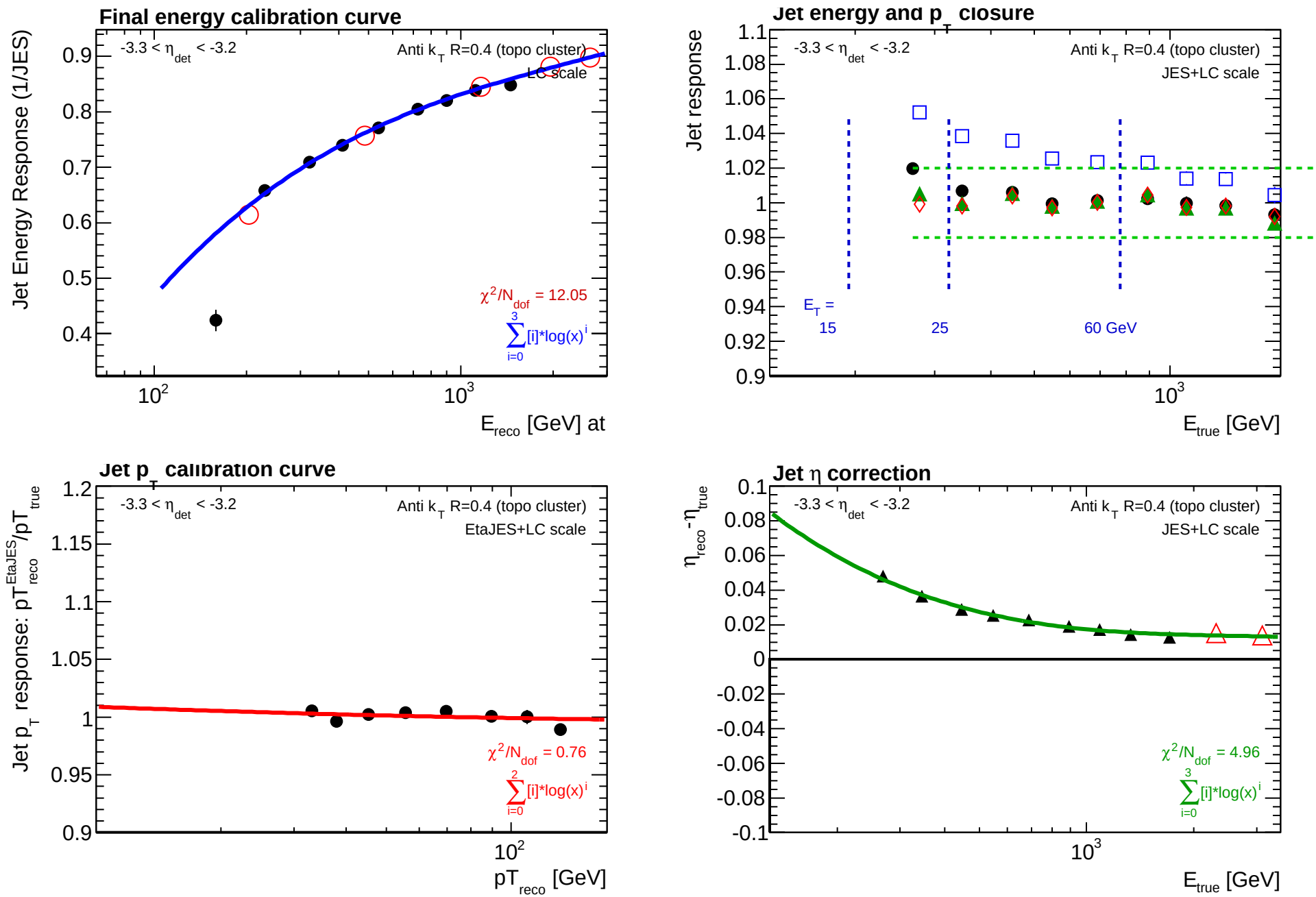

Final energy calibration curve
2.9 < η_det < 3.0
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.72
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
2.9 < η_det < 3.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
2.9 < η_det < 3.0
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.28
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
2.9 < η_det < 3.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 8.62
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

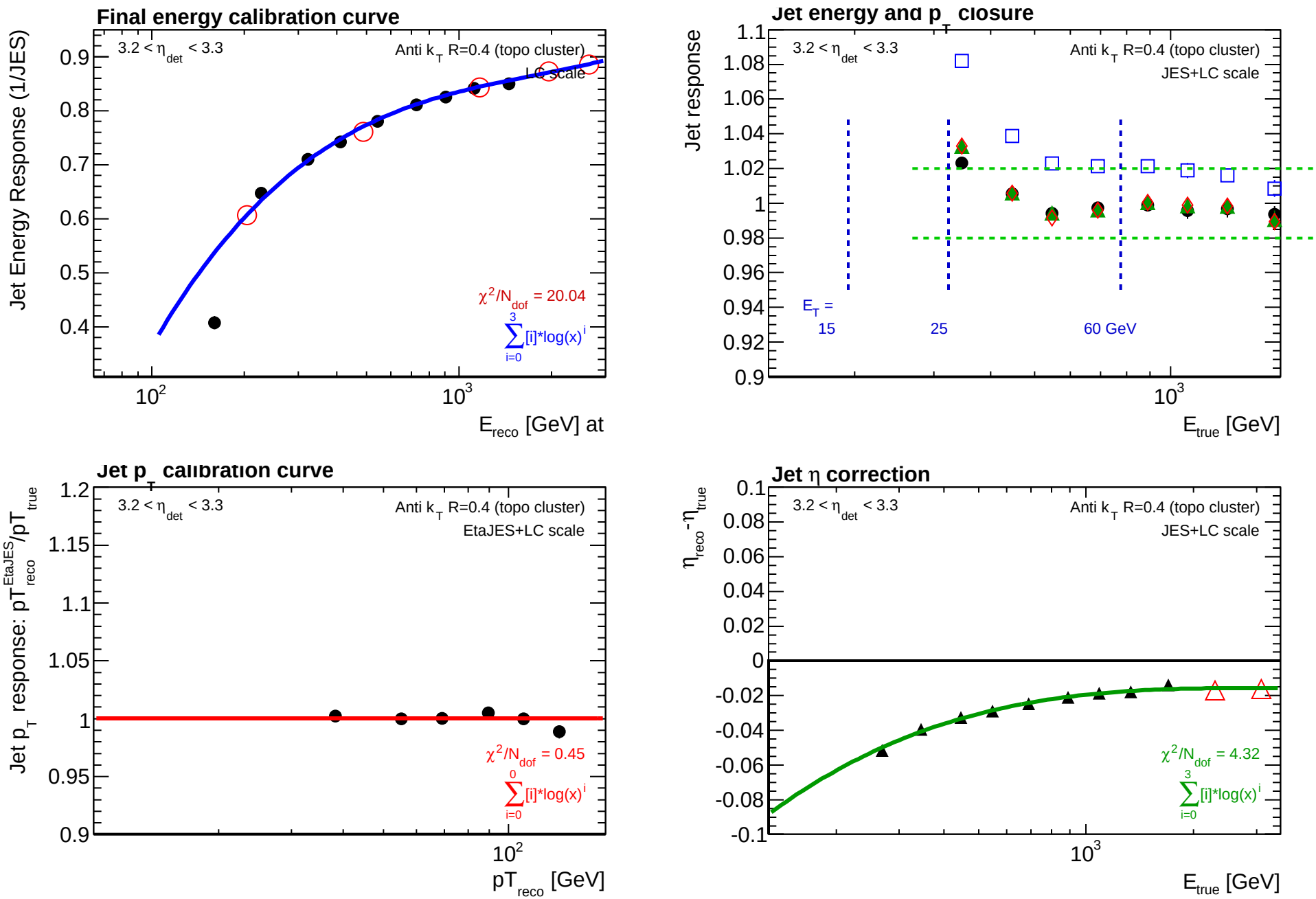

Final energy calibration curve
-3.1 < η_det < -3.0
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 6.88
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-3.1 < η_det < -3.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-3.1 < η_det < -3.0
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.67
Σ_{i=0}^{0} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
-3.1 < η_det < -3.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 6.87
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

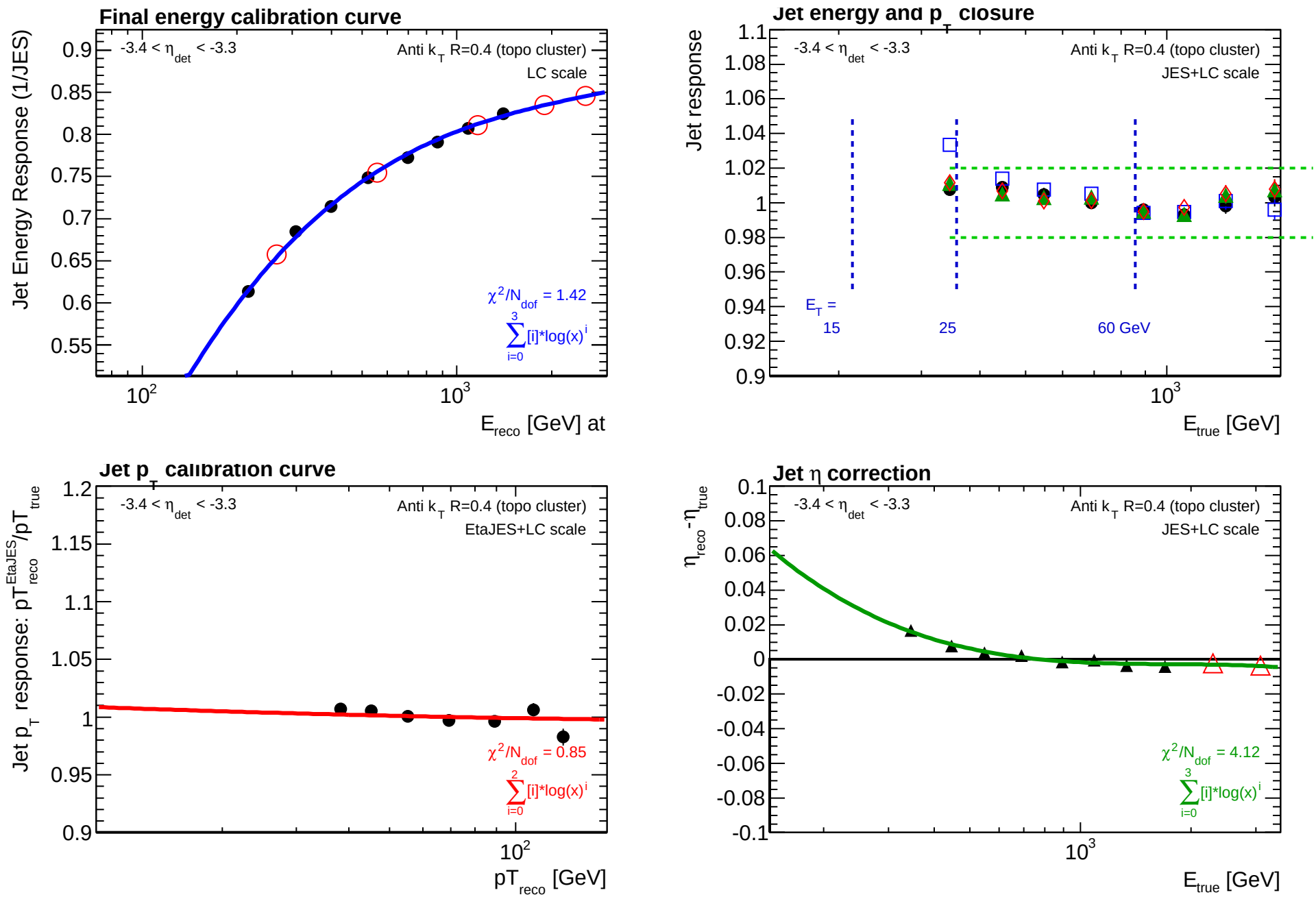

Final energy calibration curve
3.0 < η_det < 3.1
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 4.12
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
3.0 < η_det < 3.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
3.0 < η_det < 3.1
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.31
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
3.0 < η_det < 3.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 6.82
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

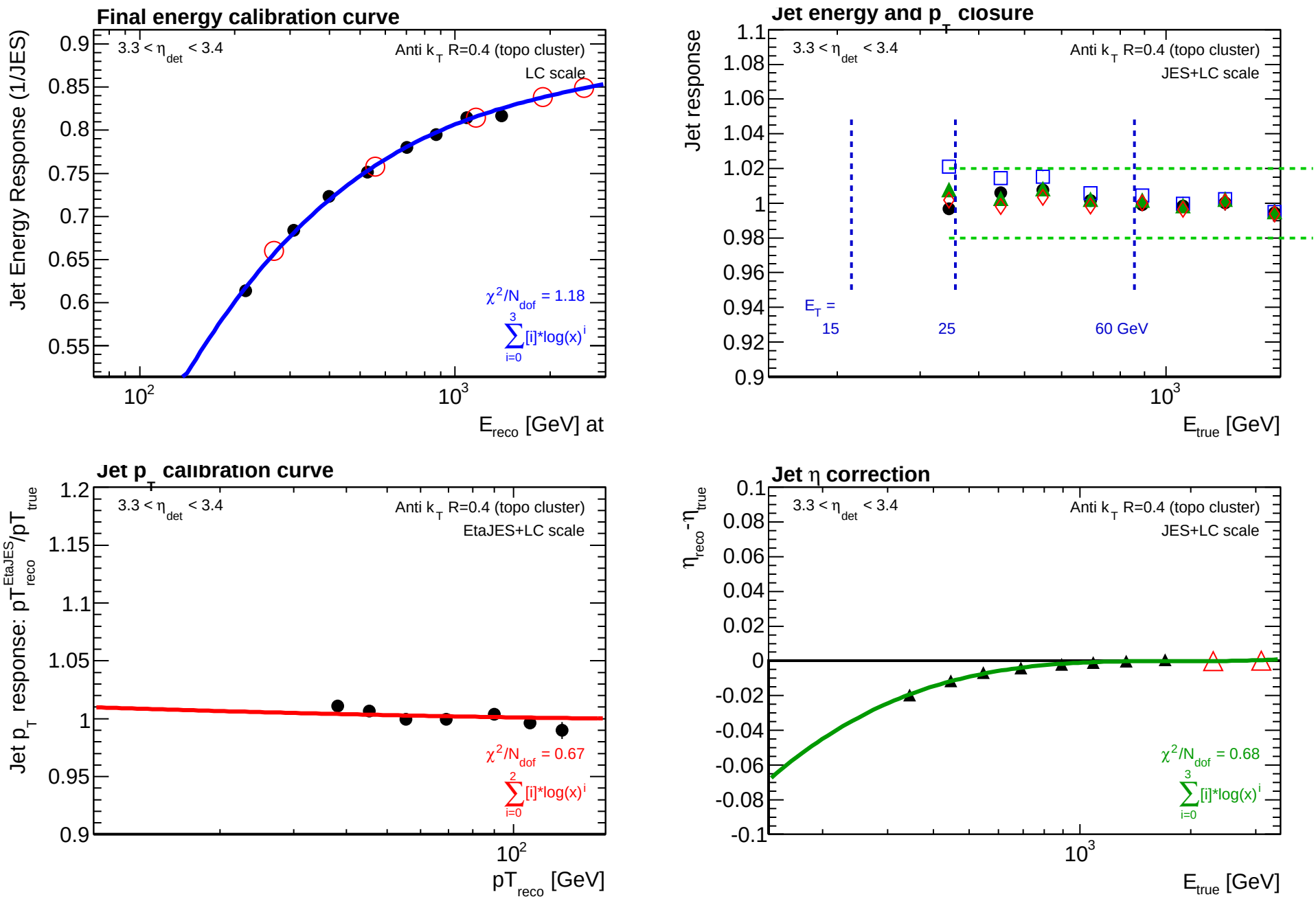

Final energy calibration curve
-3.2 < η_det < -3.1
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.79
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-3.2 < η_det < -3.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-3.2 < η_det < -3.1
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.11
Σ_{i=0}^{0} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-3.2 < η_det < -3.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 4.54
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

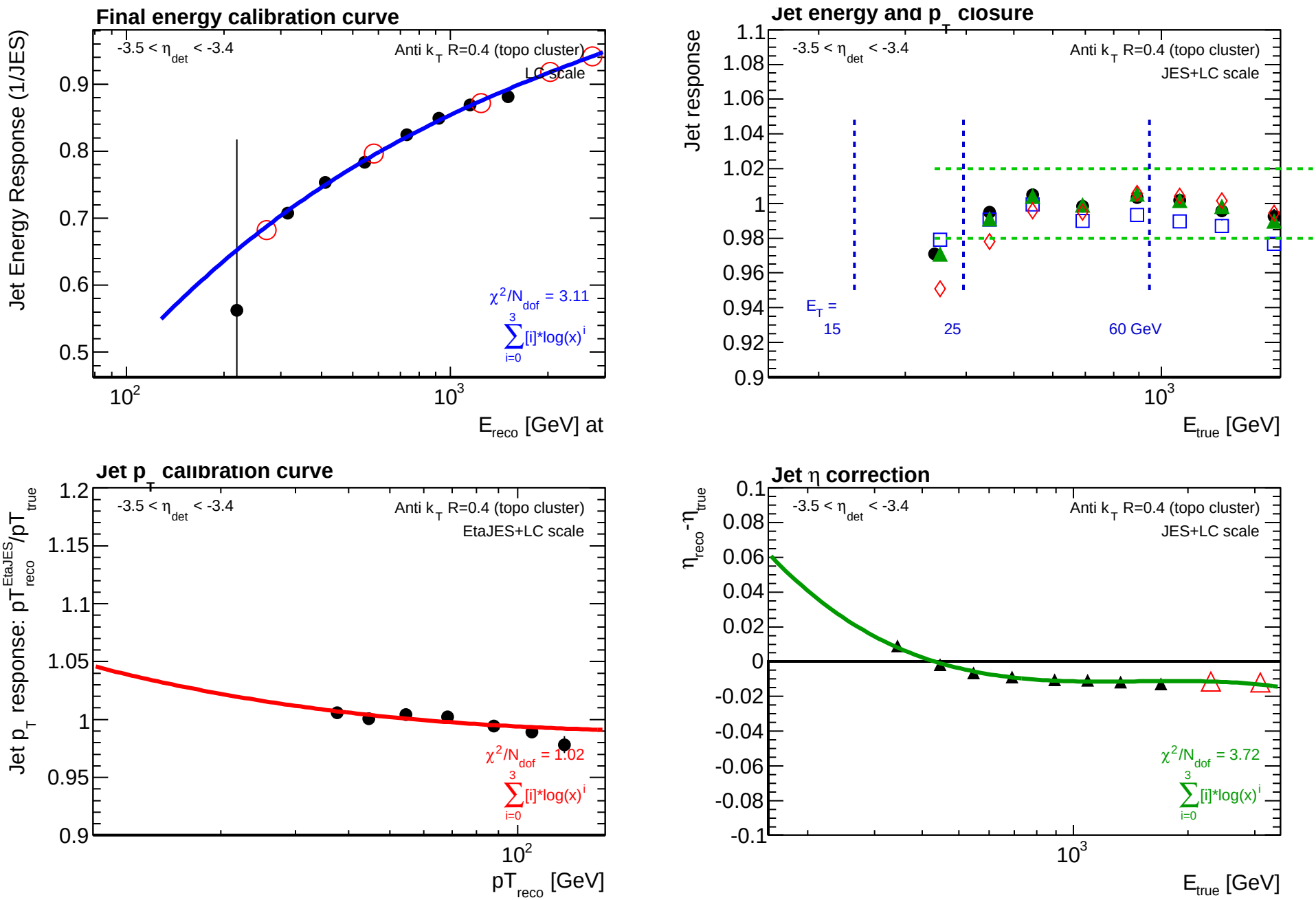

Final energy calibration curve
3.1 < η_det < 3.2
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 0.87
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
3.1 < η_det < 3.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
3.1 < η_det < 3.2
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.65
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
3.1 < η_det < 3.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 6.14
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

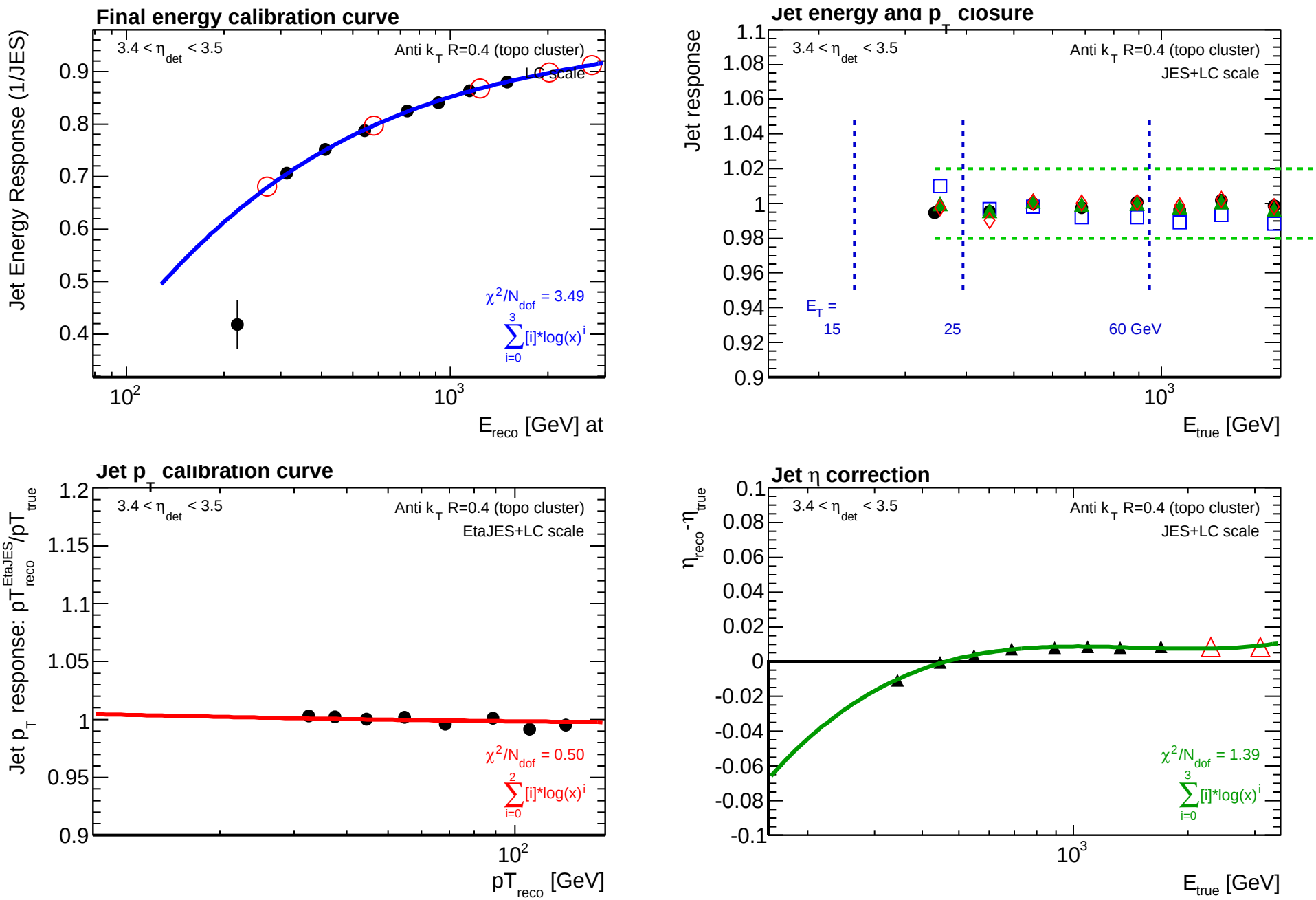

Final energy calibration curve
-3.3 < η_det < -3.2
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 12.05
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-3.3 < η_det < -3.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-3.3 < η_det < -3.2
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.76
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
-3.3 < η_det < -3.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 4.96
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

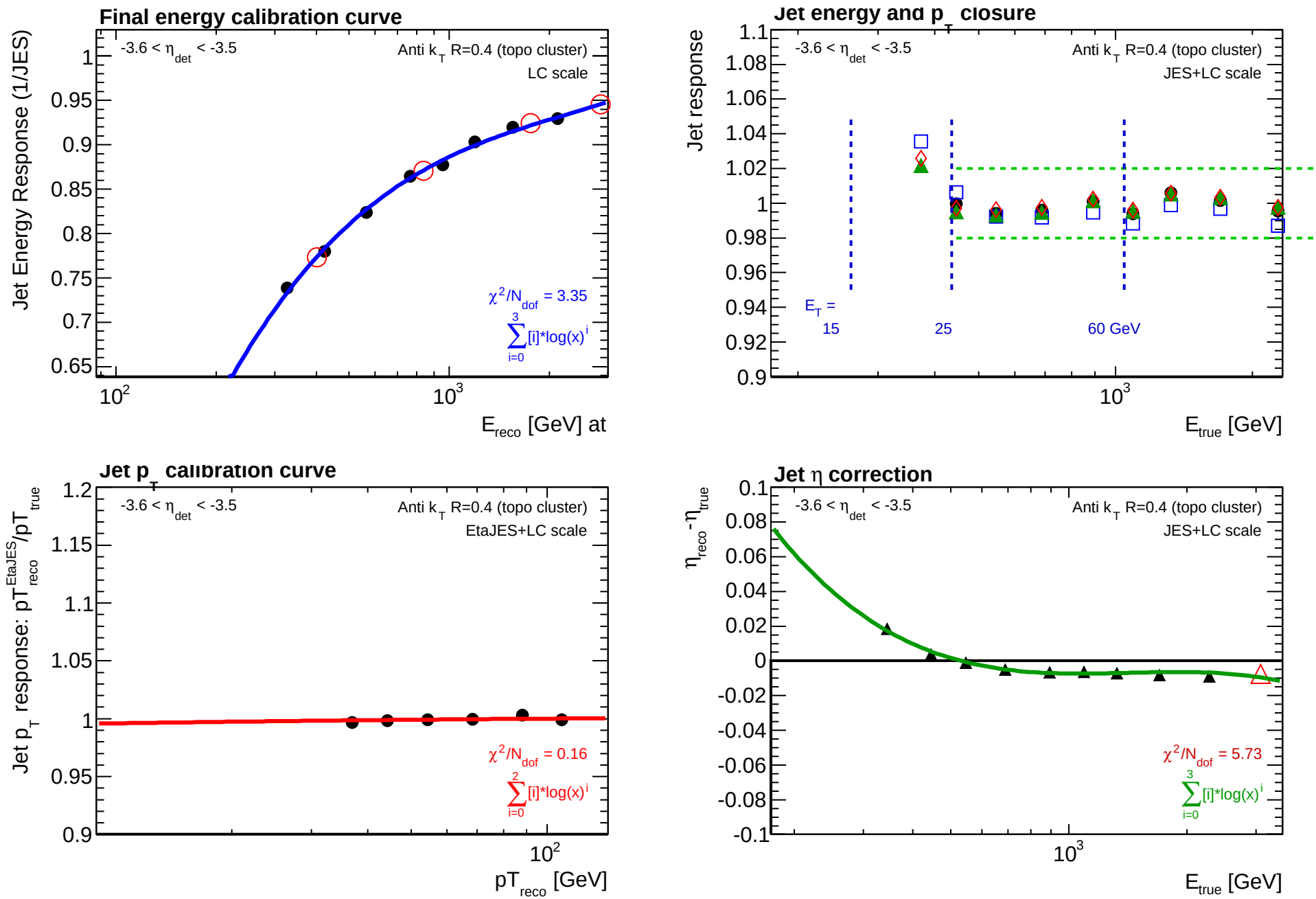

Final energy calibration curve
3.2 < η_det < 3.3
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 20.04
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
3.2 < η_det < 3.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
3.2 < η_det < 3.3
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.45
Σ_{i=0}^{0} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
3.2 < η_det < 3.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 4.32
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

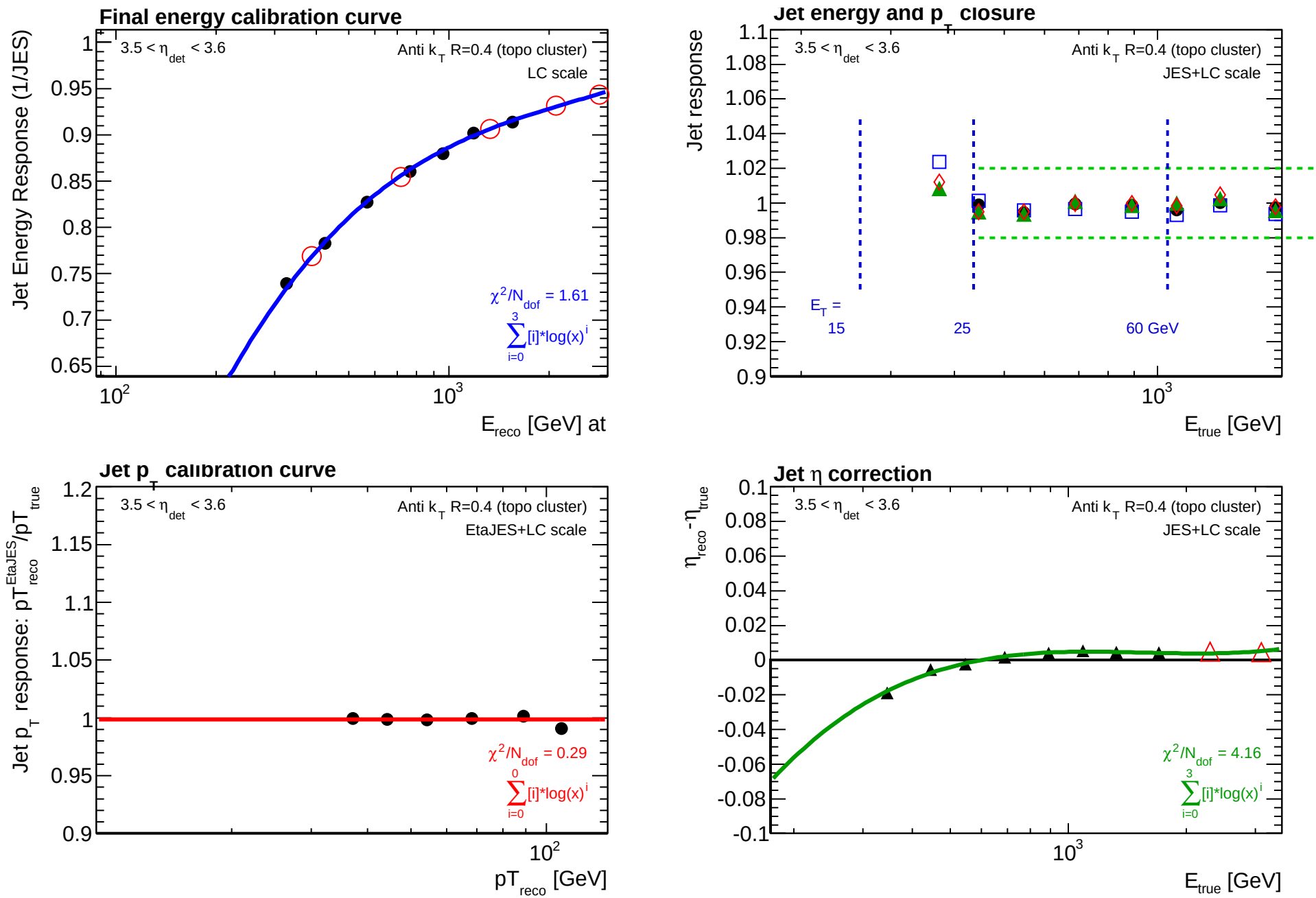

Final energy calibration curve
-3.4 < η_det < -3.3
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.42
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-3.4 < η_det < -3.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-3.4 < η_det < -3.3
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.85
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
-3.4 < η_det < -3.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 4.12
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

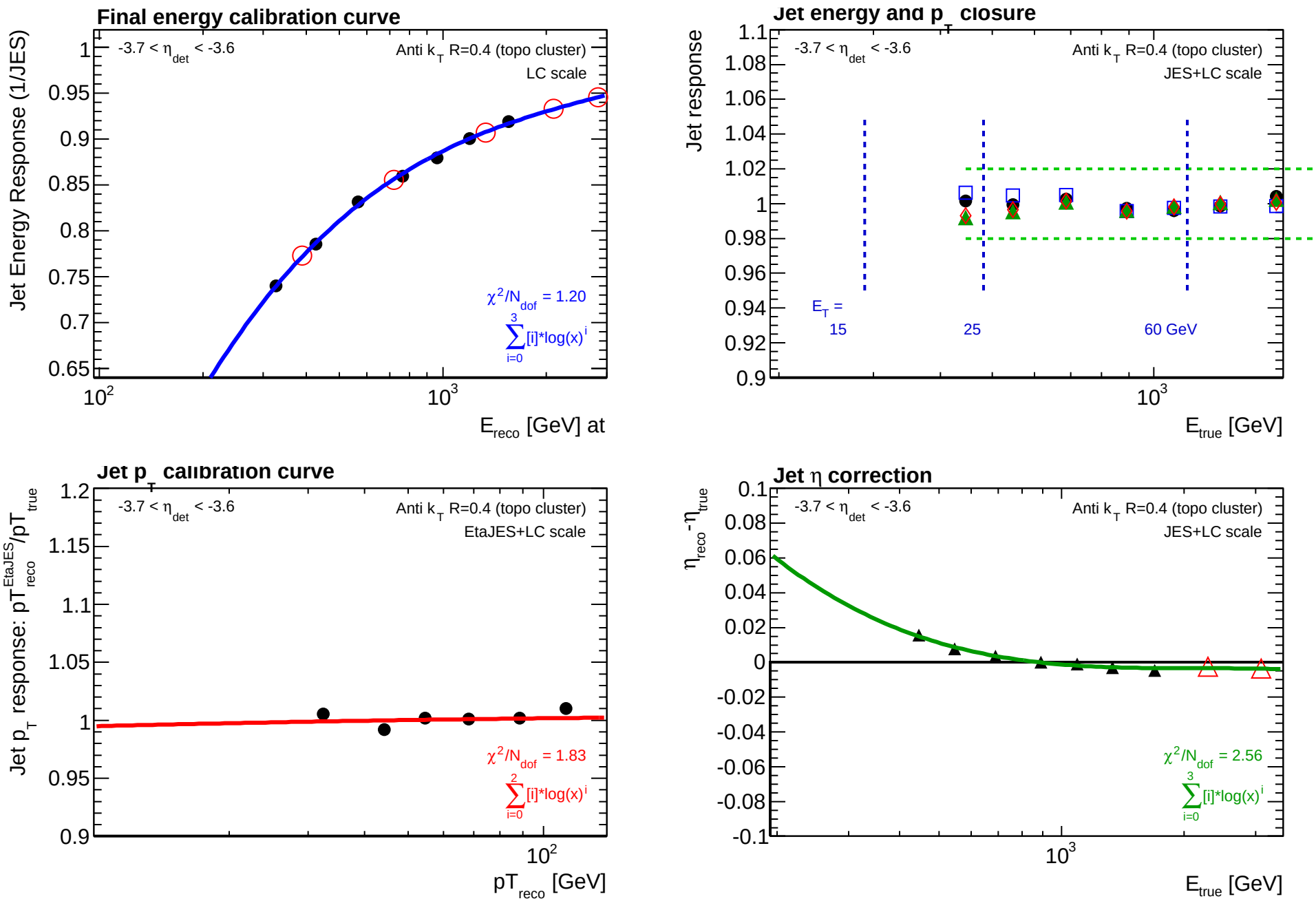

Final energy calibration curve
3.3 < η_det < 3.4
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.18
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
3.3 < η_det < 3.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
3.3 < η_det < 3.4
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.67
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
3.3 < η_det < 3.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 0.68
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

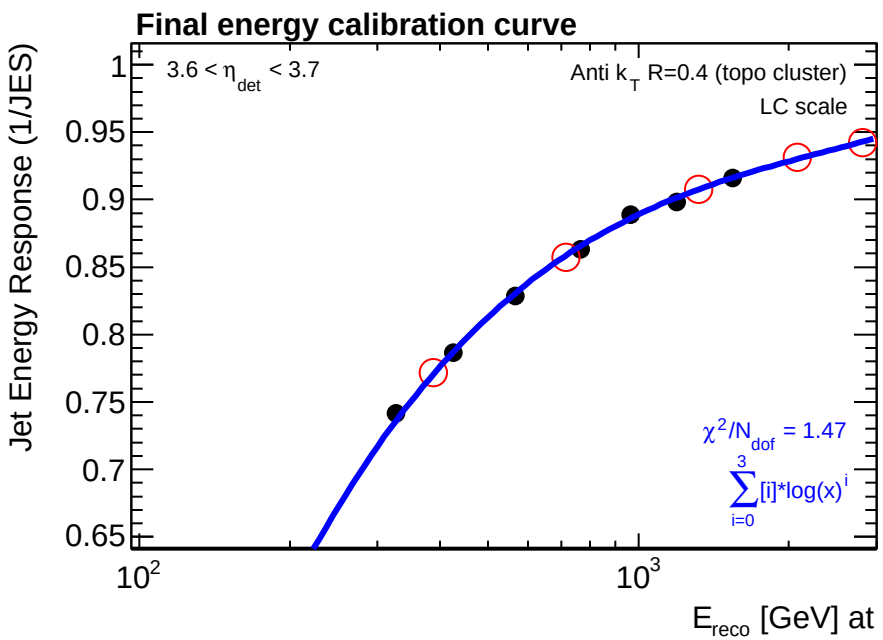

Final energy calibration curve
-3.5 < η_det < -3.4
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.11
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-3.5 < η_det < -3.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-3.5 < η_det < -3.4
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.02
Σ_{i=0}^{3} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-3.5 < η_det < -3.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 3.72
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

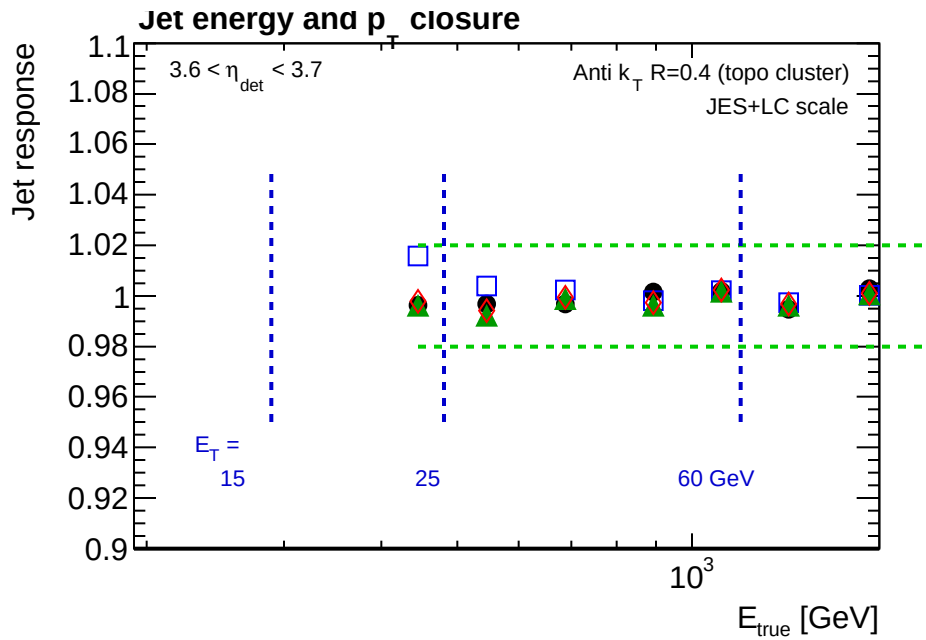

Final energy calibration curve
3.4 < η_det < 3.5
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 3.49
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
3.4 < η_det < 3.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
3.4 < η_det < 3.5
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.50
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
3.4 < η_det < 3.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 1.39
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

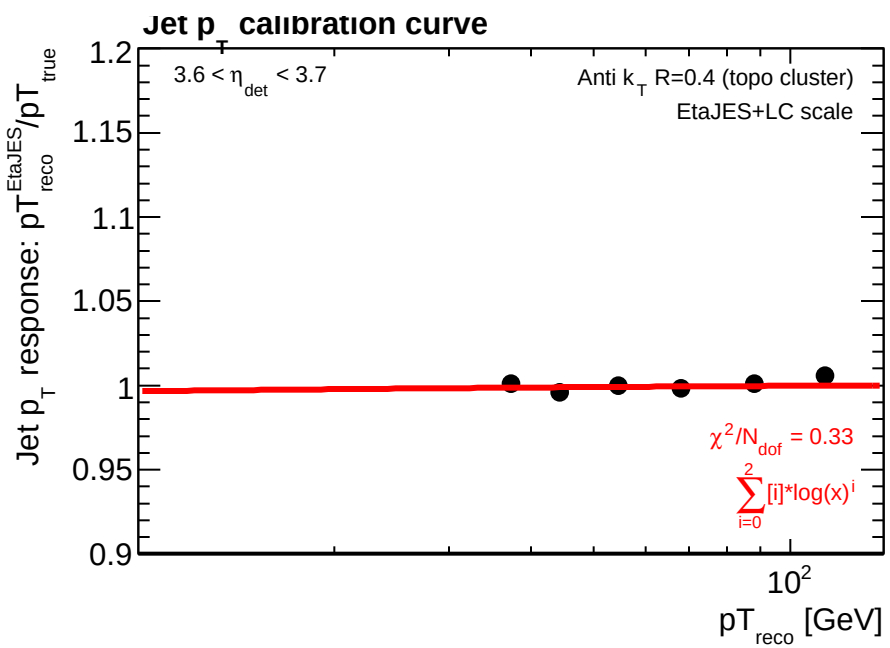

Final energy calibration curve
-3.6 < η_det < -3.5
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.35
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-3.6 < η_det < -3.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-3.6 < η_det < -3.5
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.16
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-3.6 < η_det < -3.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 5.73
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

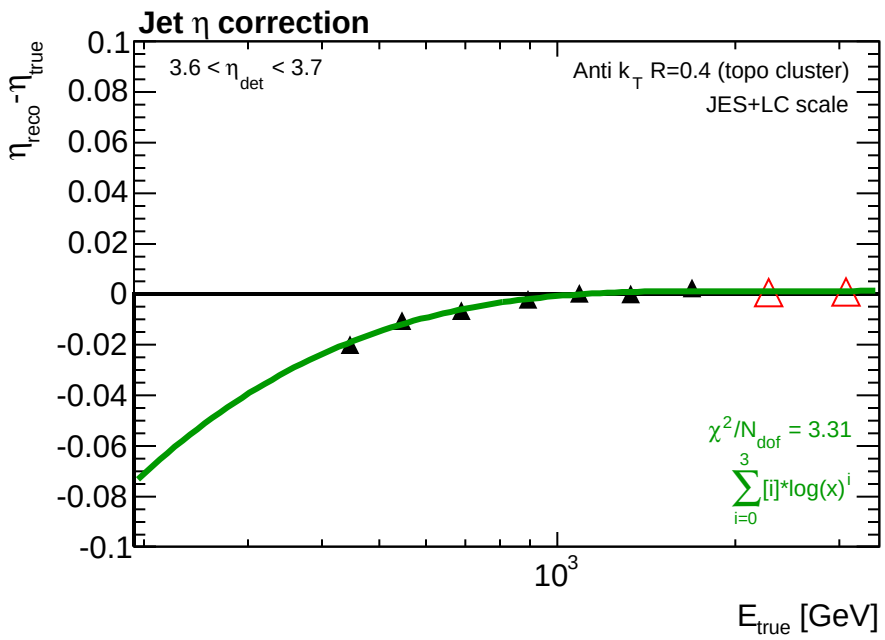

Final energy calibration curve
3.5 < η_det < 3.6
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.61
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
3.5 < η_det < 3.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
3.5 < η_det < 3.6
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.29
Σ_{i=0}^{0} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
3.5 < η_det < 3.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 4.16
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

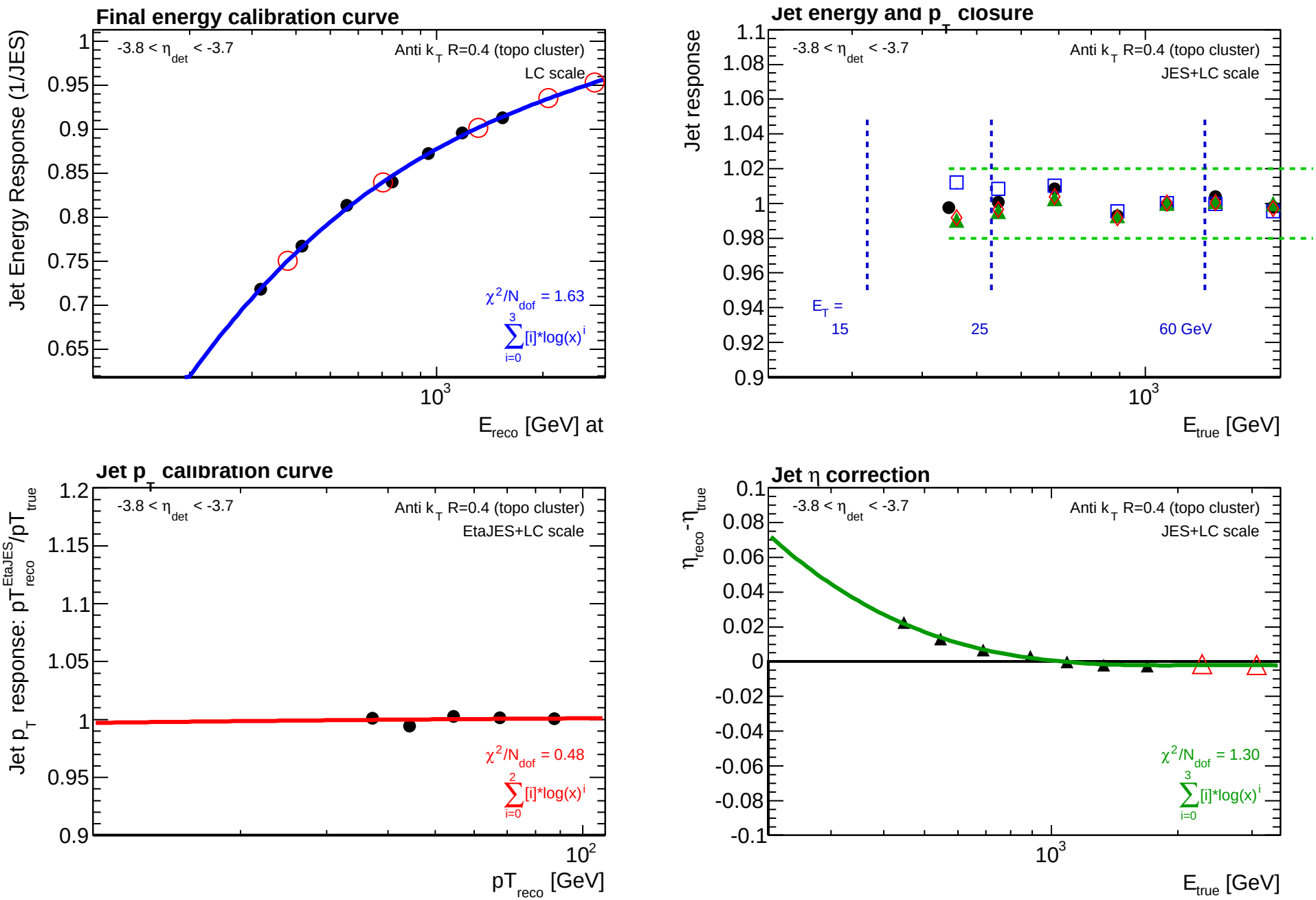

Final energy calibration curve
-3.7 < η_det < -3.6
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.20
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-3.7 < η_det < -3.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-3.7 < η_det < -3.6
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 1.83
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
-3.7 < η_det < -3.6
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 2.56
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

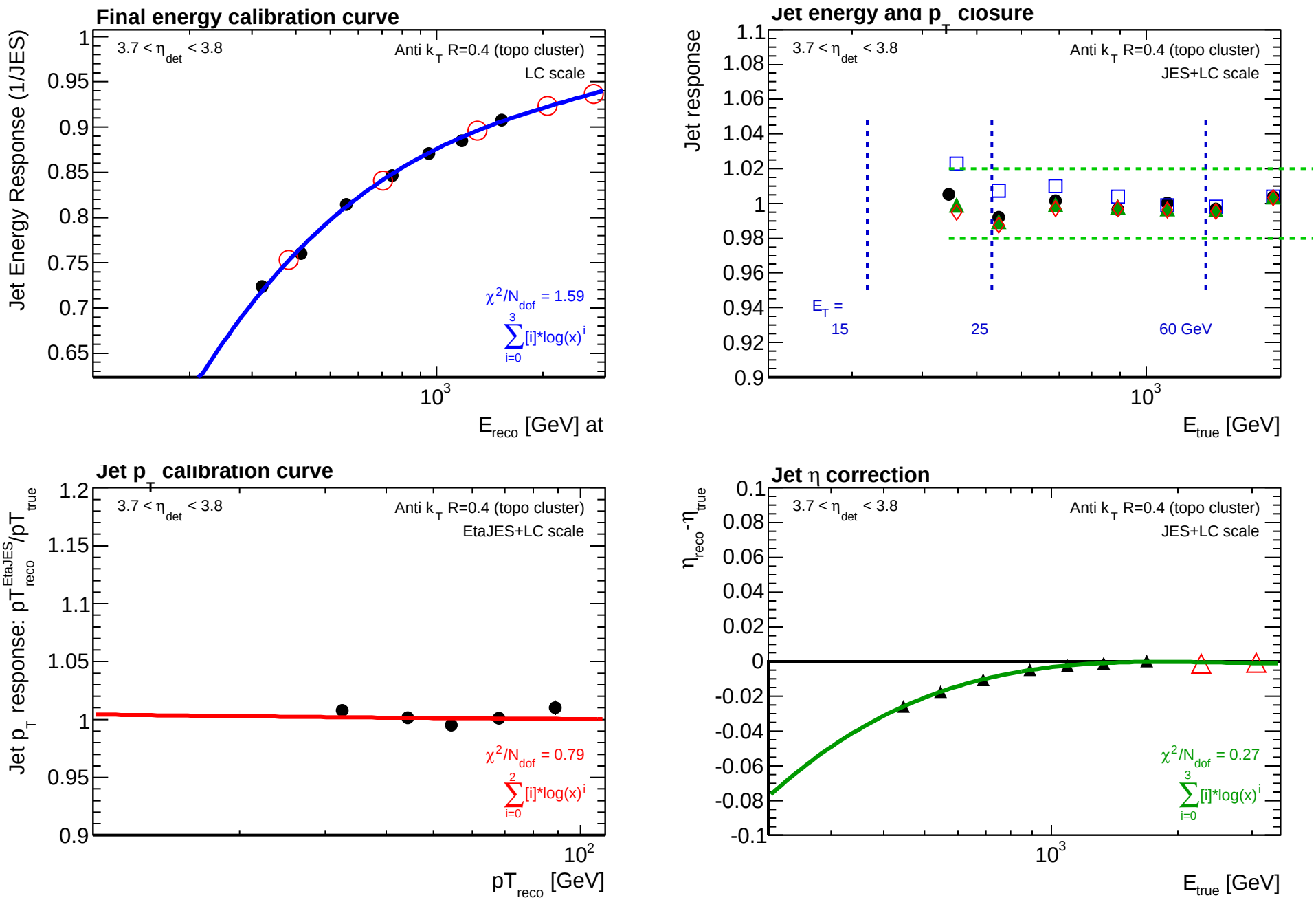

Final energy calibration curve
3.6 < η_det < 3.7
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.47
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at

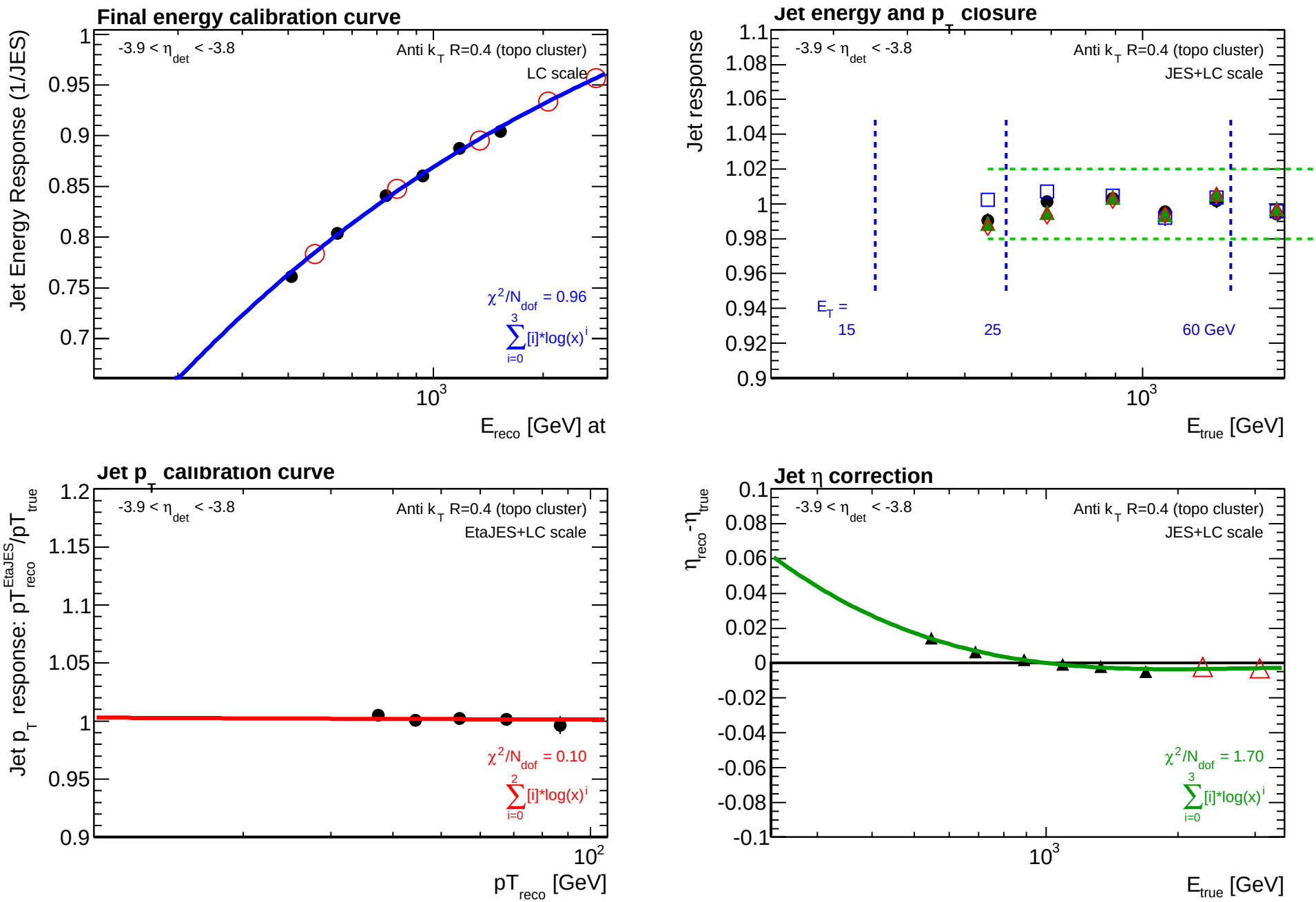

Jet energy and p_T closure
3.6 < η_det < 3.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]

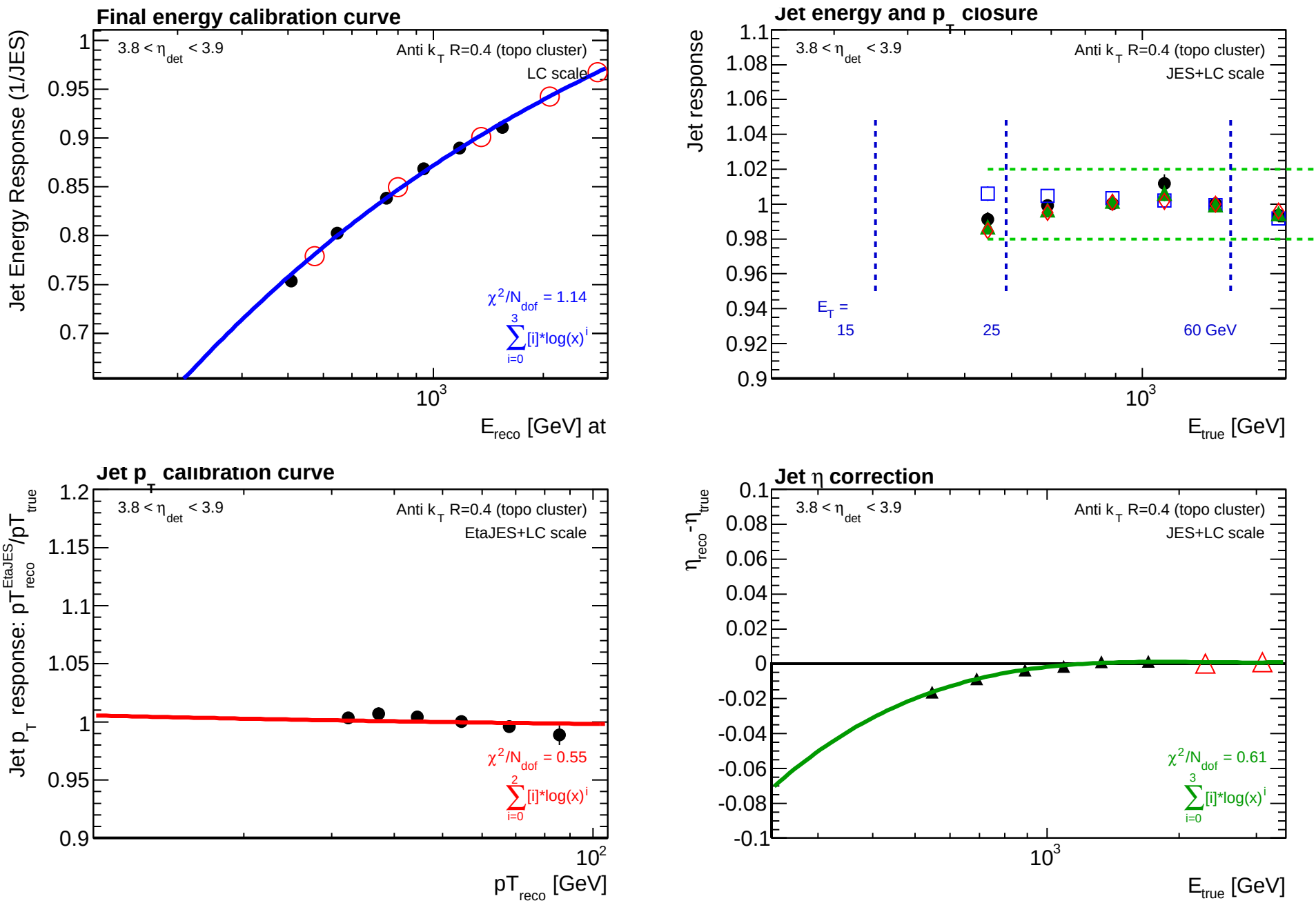

Jet p_T calibration curve
3.6 < η_det < 3.7
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.33
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]

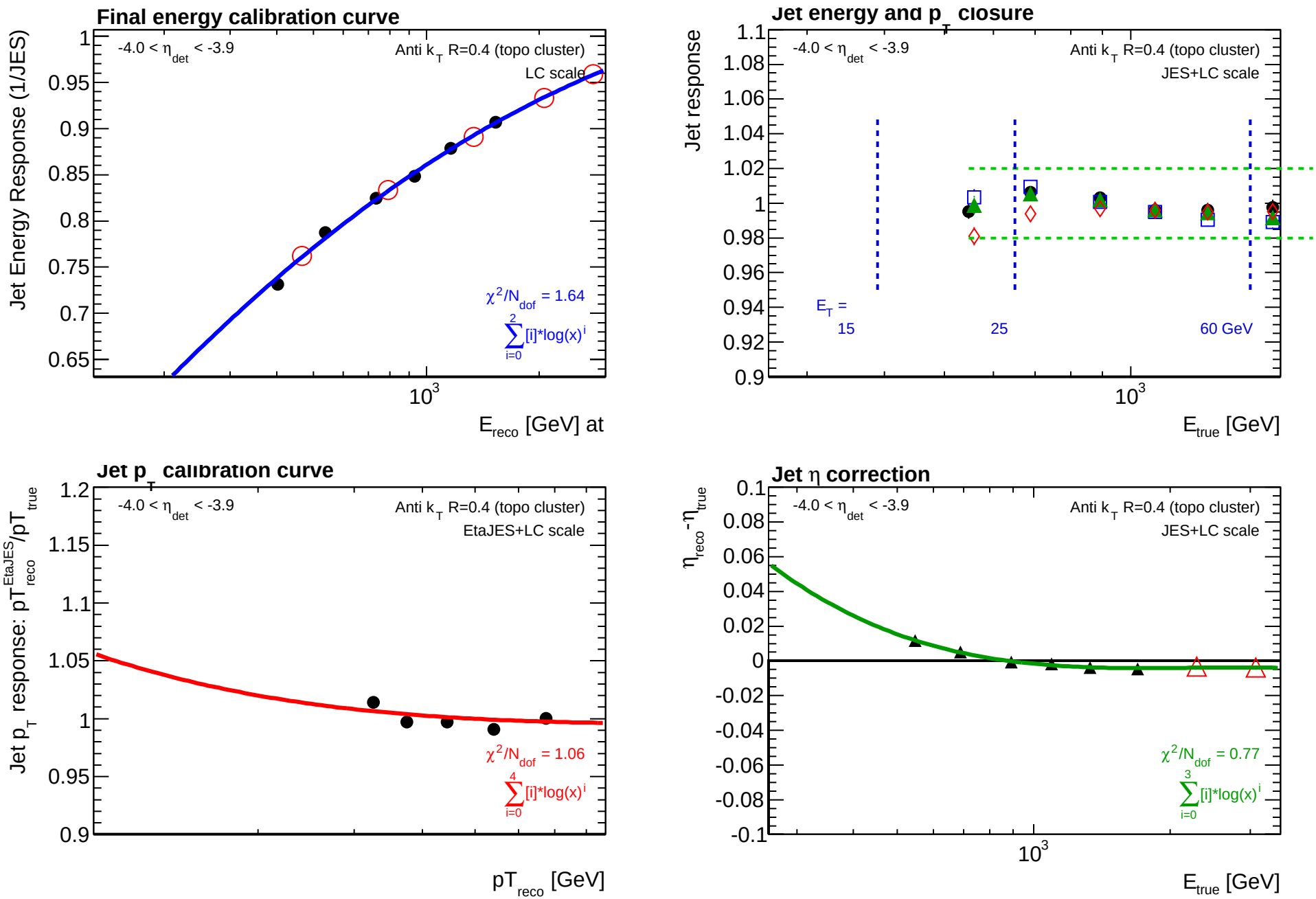

Jet η correction
3.6 < η_det < 3.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 3.31
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

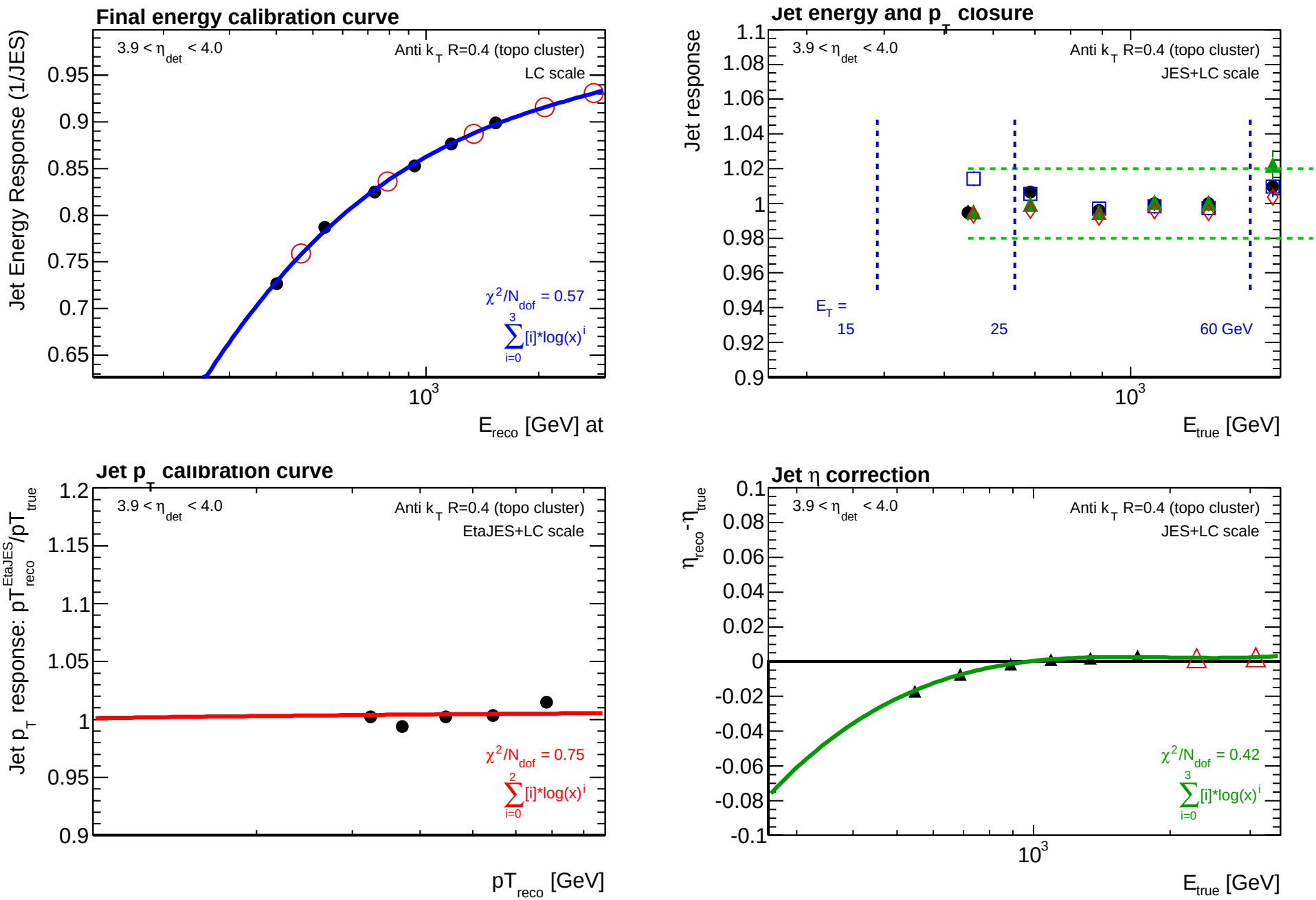

Final energy calibration curve
-3.8 < η_det < -3.7
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.63
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-3.8 < η_det < -3.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-3.8 < η_det < -3.7
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.48
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
-3.8 < η_det < -3.7
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 1.30
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

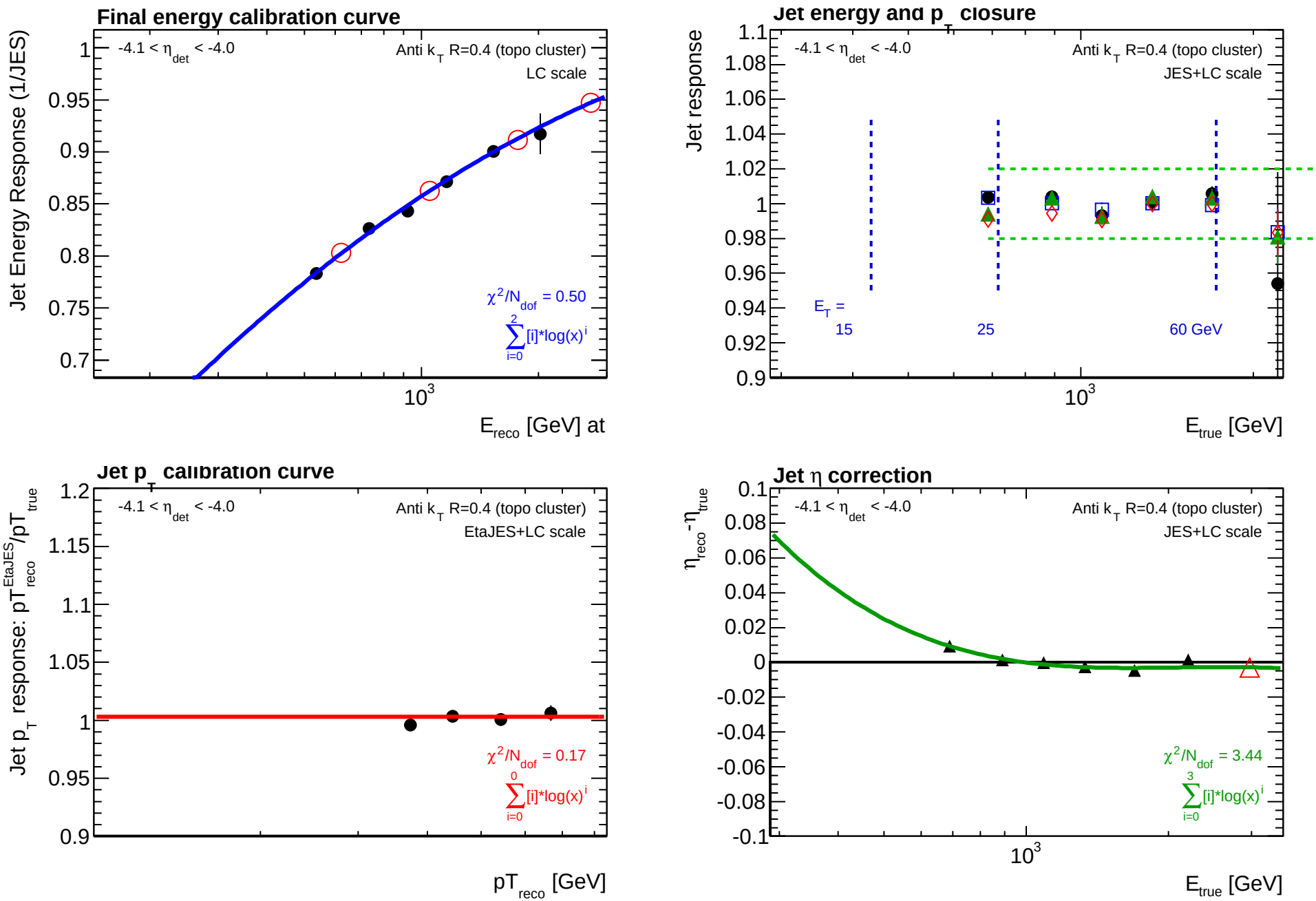

Final energy calibration curve
3.7 < η_det < 3.8
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.59
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
3.7 < η_det < 3.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
3.7 < η_det < 3.8
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.79
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
3.7 < η_det < 3.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 0.27
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

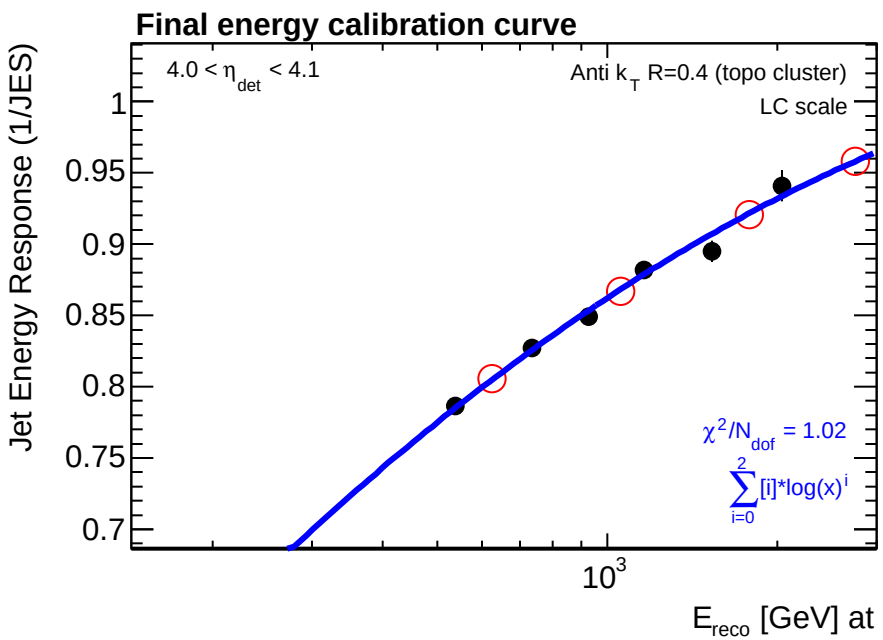

Final energy calibration curve
-3.9 < η_det < -3.8
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 0.96
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-3.9 < η_det < -3.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-3.9 < η_det < -3.8
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.10
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT_reco^EtaJES/pT_true
pT_reco [GeV]
Jet η correction
-3.9 < η_det < -3.8
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 1.70
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

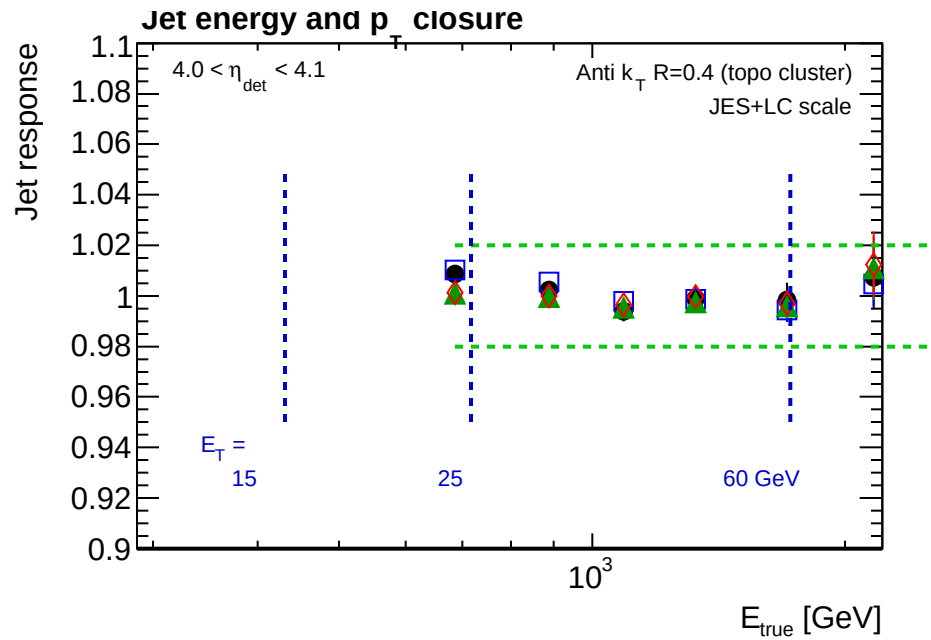

Final energy calibration curve
3.8 < η_det < 3.9
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 1.14
Σ_{i=0}^{3} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
3.8 < η_det < 3.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
3.8 < η_det < 3.9
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.55
Σ_{i=0}^{2} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
3.8 < η_det < 3.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 0.61
Σ_{i=0}^{3} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

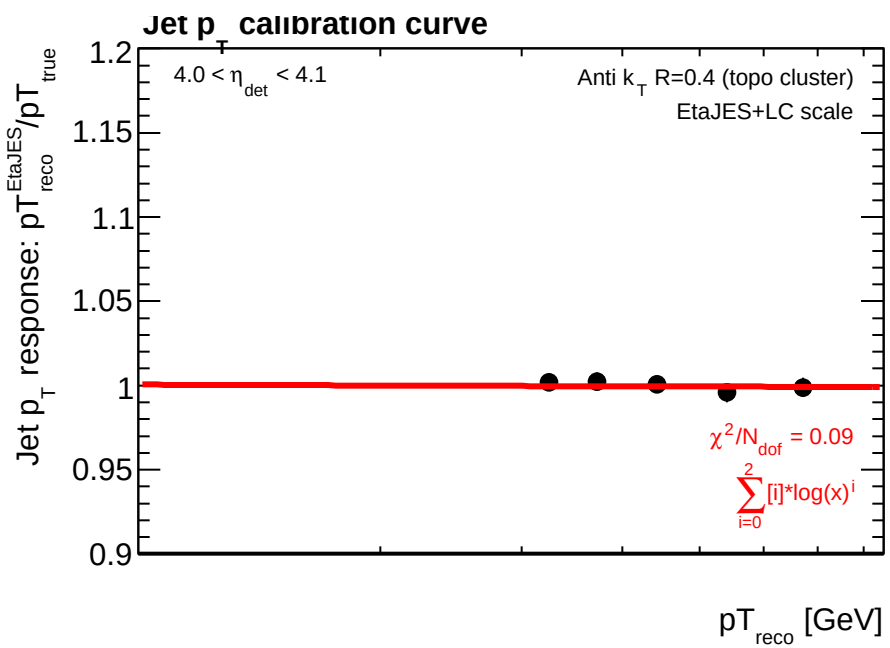

Final energy calibration curve
-4.0 < η_det < -3.9
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.64
Σ_{i=0}^{2} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-4.0 < η_det < -3.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-4.0 < η_det < -3.9
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.06
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-4.0 < η_det < -3.9
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 0.77
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

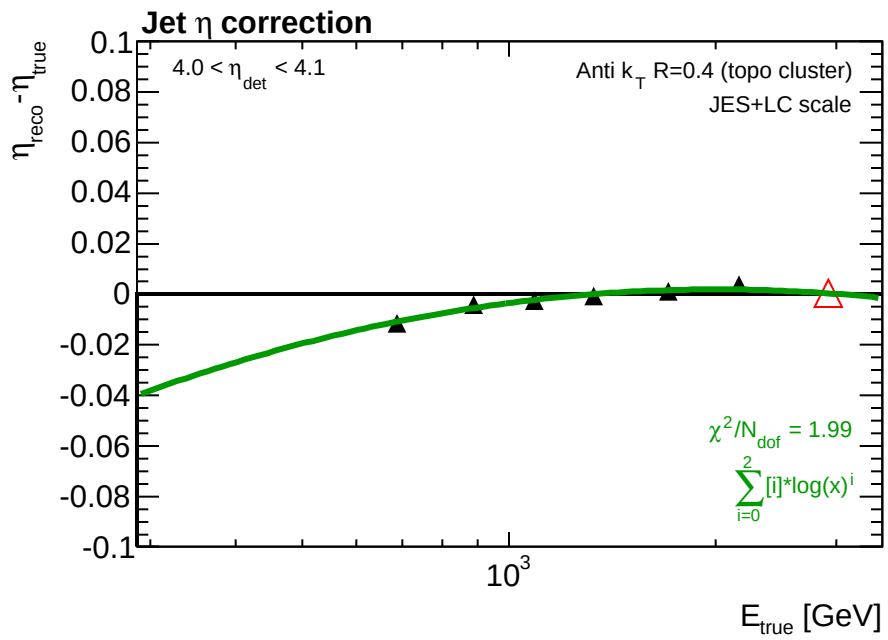

Final energy calibration curve
3.9 < η_det < 4.0
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 0.57
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
3.9 < η_det < 4.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
3.9 < η_det < 4.0
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.75
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
3.9 < η_det < 4.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 0.42
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

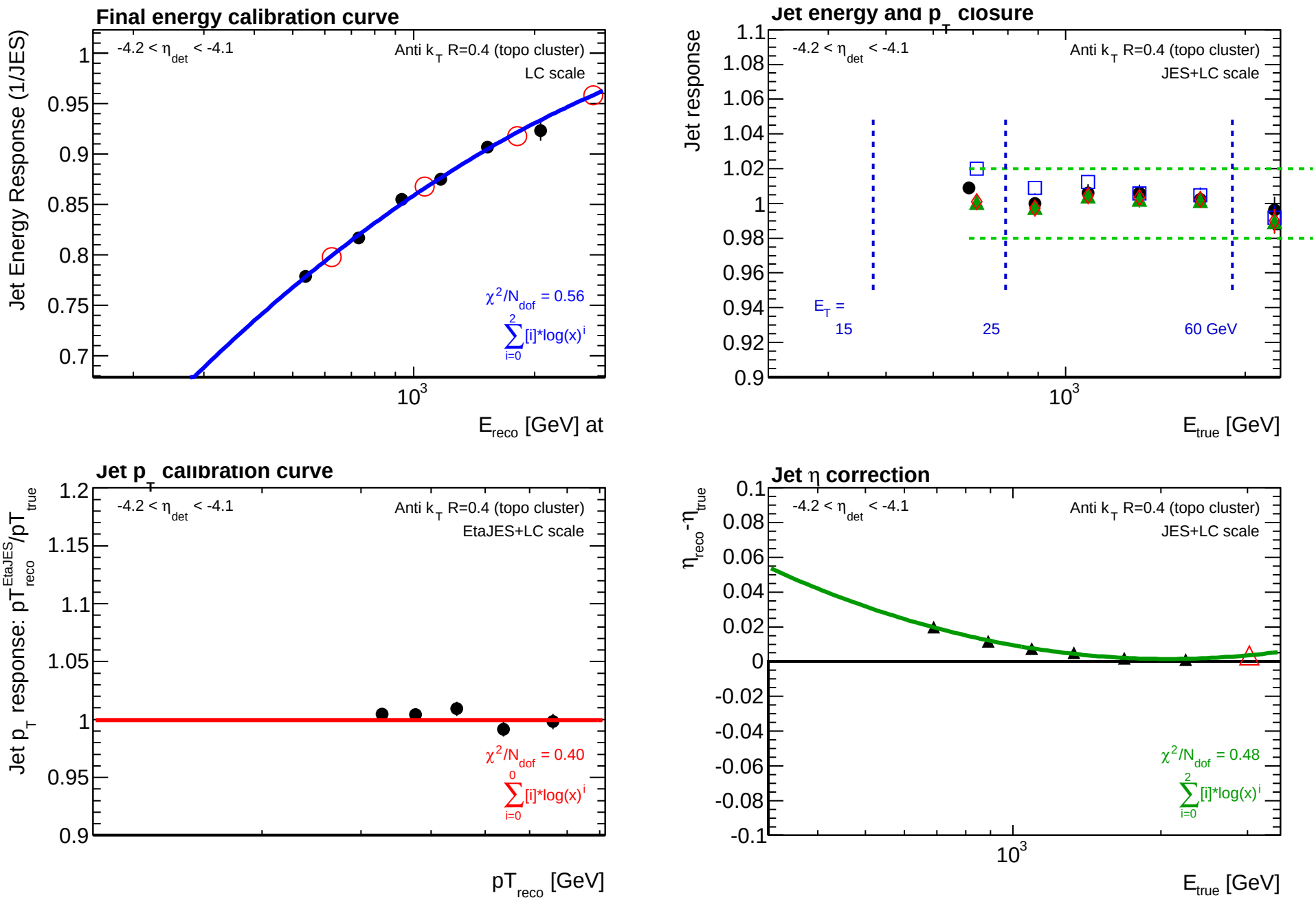

Final energy calibration curve
-4.1 < η_det < -4.0
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 0.50
Σ_{i=0}^{2} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-4.1 < η_det < -4.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-4.1 < η_det < -4.0
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.17
Σ_{i=0}^{0} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-4.1 < η_det < -4.0
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 3.44
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

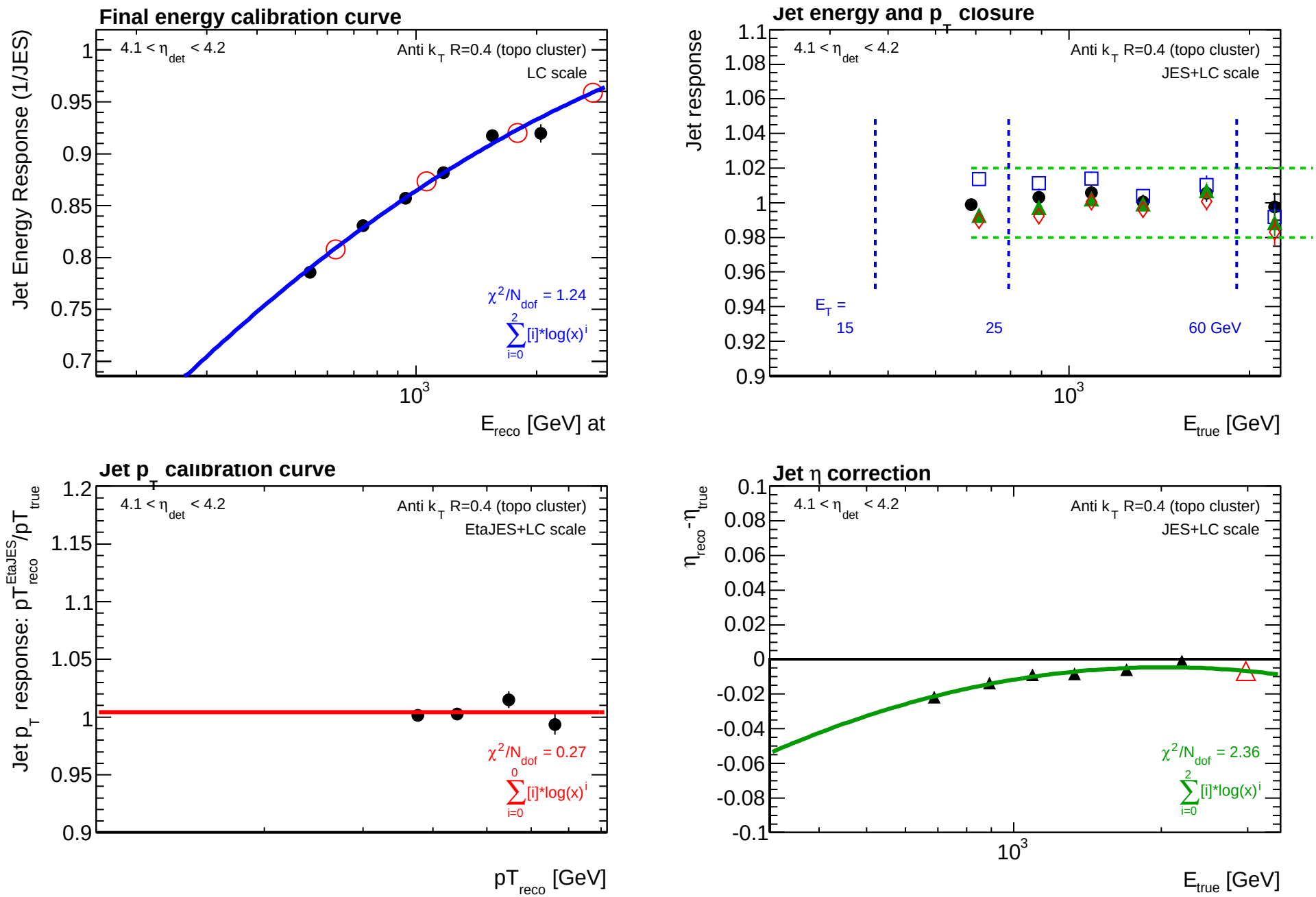

Final energy calibration curve
4.0 < η_det < 4.1
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.02
Σ_{i=0}^{2} [i]*log(x)^i
E_reco [GeV] at

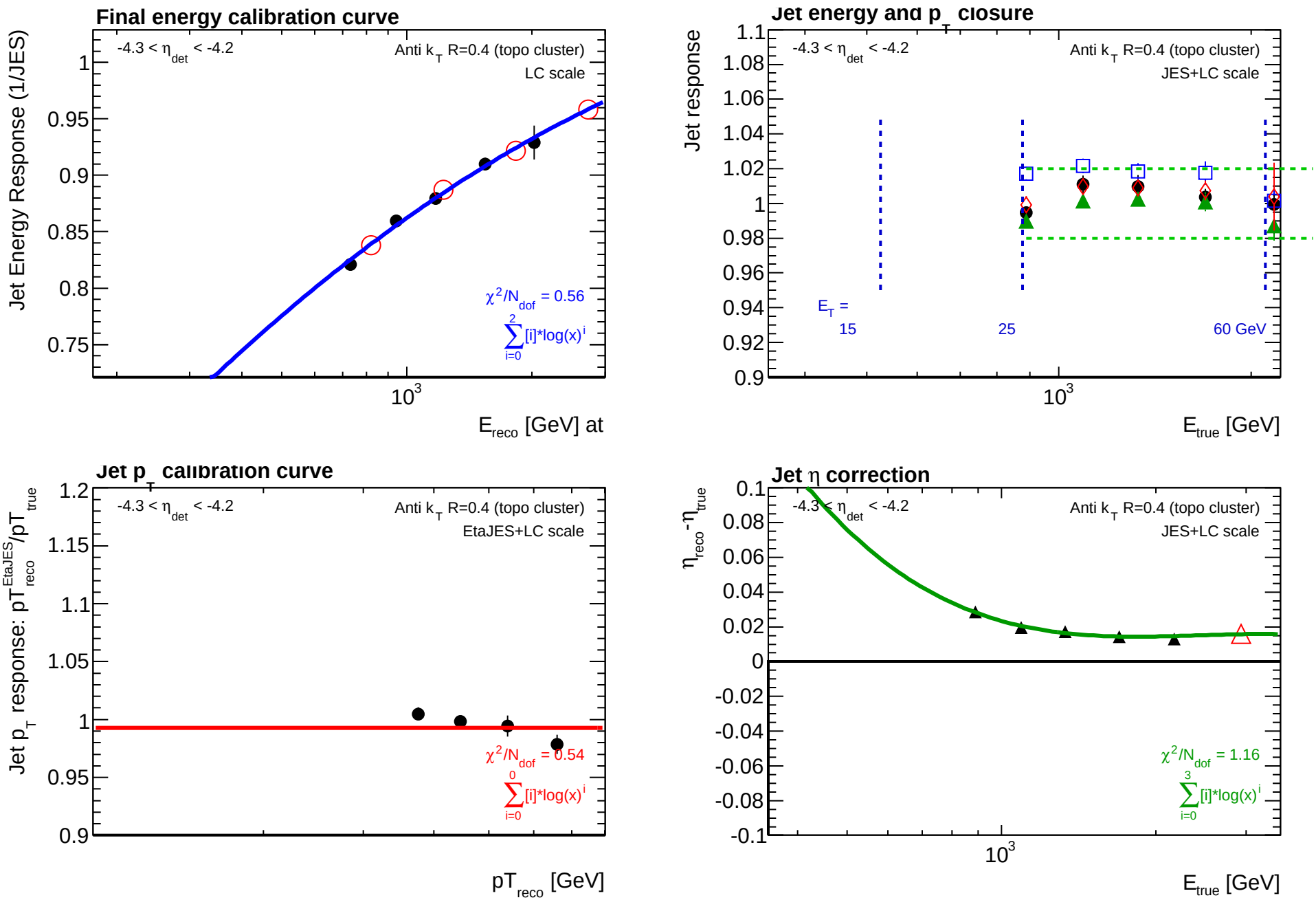

Jet energy and p_T closure
4.0 < η_det < 4.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]

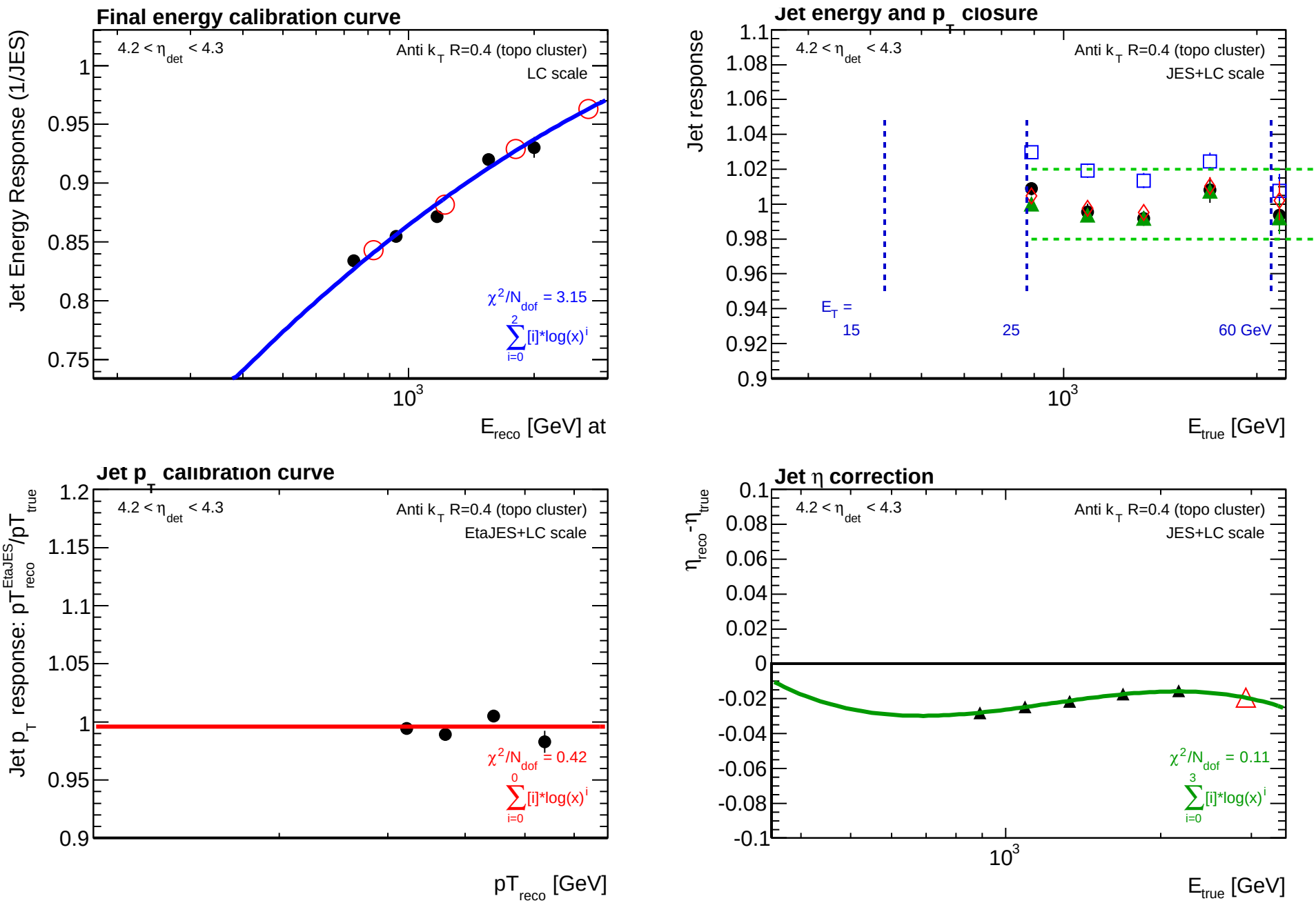

Jet p_T calibration curve
4.0 < η_det < 4.1
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.09
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]

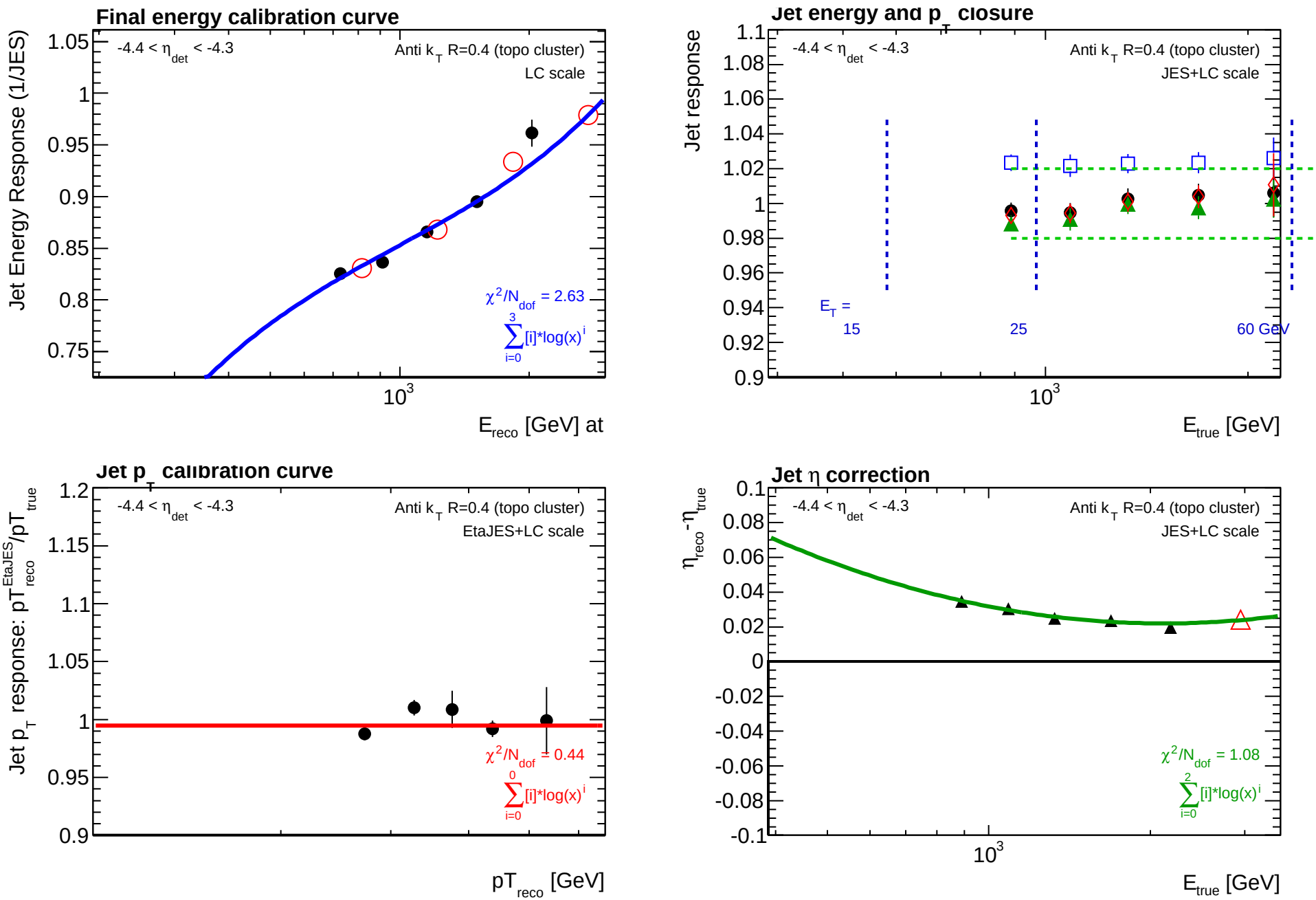

Jet η correction
4.0 < η_det < 4.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 1.99
Σ_{i=0}^{2} [i]*log(x)^i
E_true [GeV]

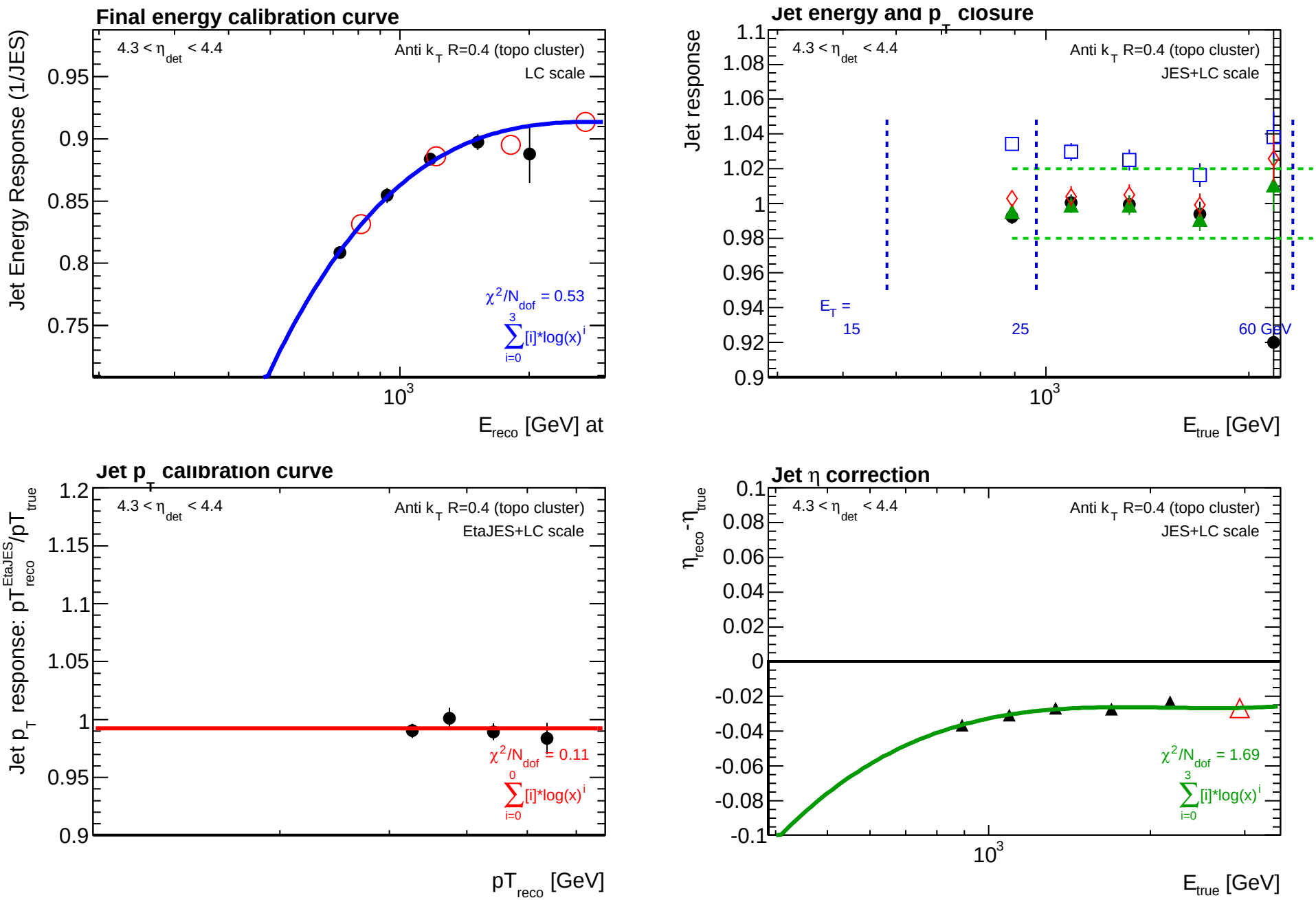

Final energy calibration curve
-4.2 < η_det < -4.1
Anti k_T R=0.4 (topo cluster)
LC scale
χ²/N_dof = 0.56
Σ_{i=0}^{2} [i]*log(x)^i
Jet Energy Response (1/JES)
E_reco [GeV] at
Jet energy and p_T closure
-4.2 < η_det < -4.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
E_T =
15
25
60 GeV
Jet response
E_true [GeV]
Jet p_T calibration curve
-4.2 < η_det < -4.1
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
χ²/N_dof = 0.40
Σ_{i=0}^{0} [i]*log(x)^i
Jet p_T response: pT^EtaJES_reco/pT_true
pT_reco [GeV]
Jet η correction
-4.2 < η_det < -4.1
Anti k_T R=0.4 (topo cluster)
JES+LC scale
χ²/N_dof = 0.48
Σ_{i=0}^{2} [i]*log(x)^i
η_reco-η_true
E_true [GeV]

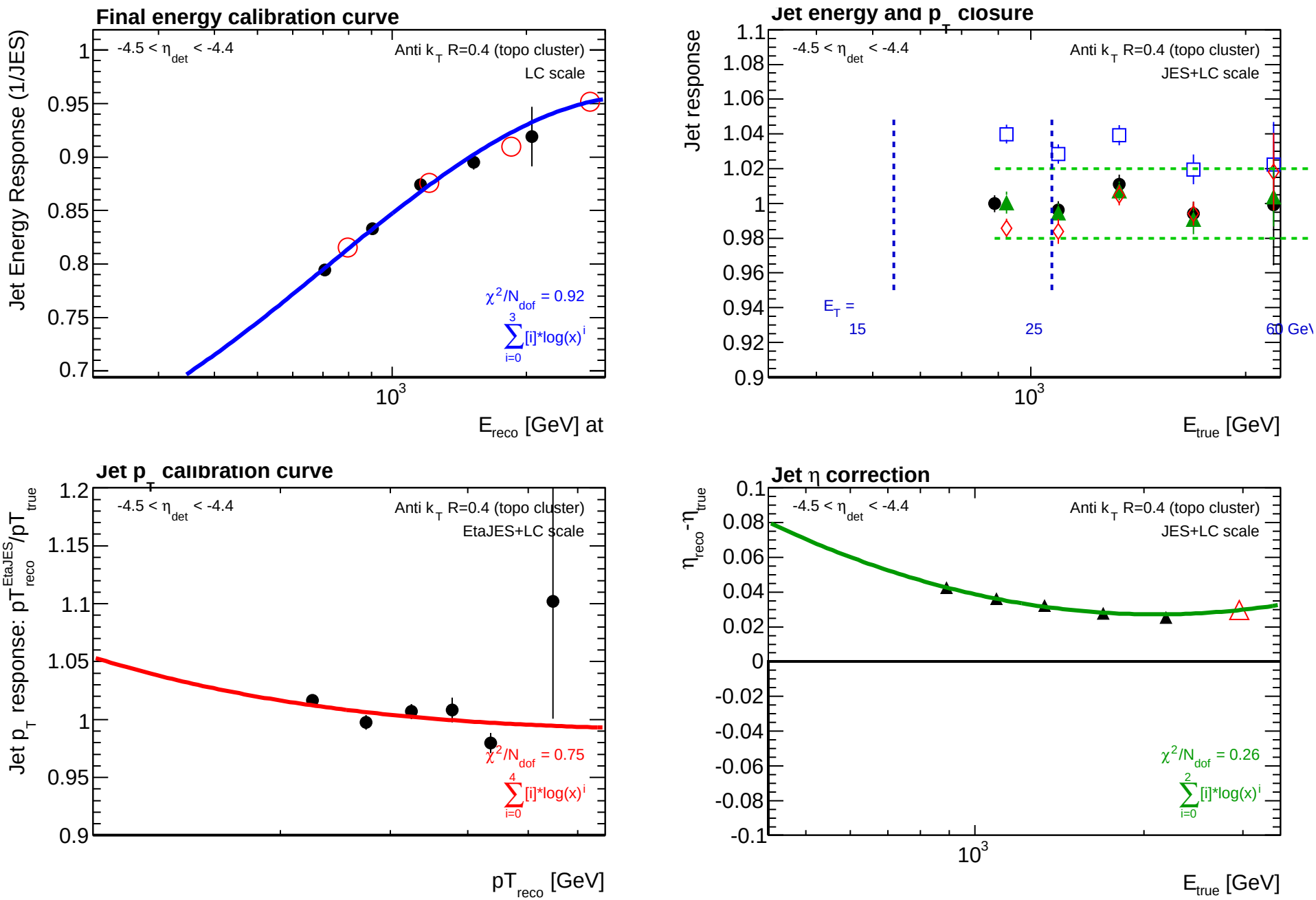

Final energy calibration curve
4.1 < η_det < 4.2
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 1.24
Σ_{i=0}^{2} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
4.1 < η_det < 4.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
4.1 < η_det < 4.2
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.27
Σ_{i=0}^{0} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
4.1 < η_det < 4.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 2.36
Σ_{i=0}^{2} [i]*log(x)^i
E_true [GeV]

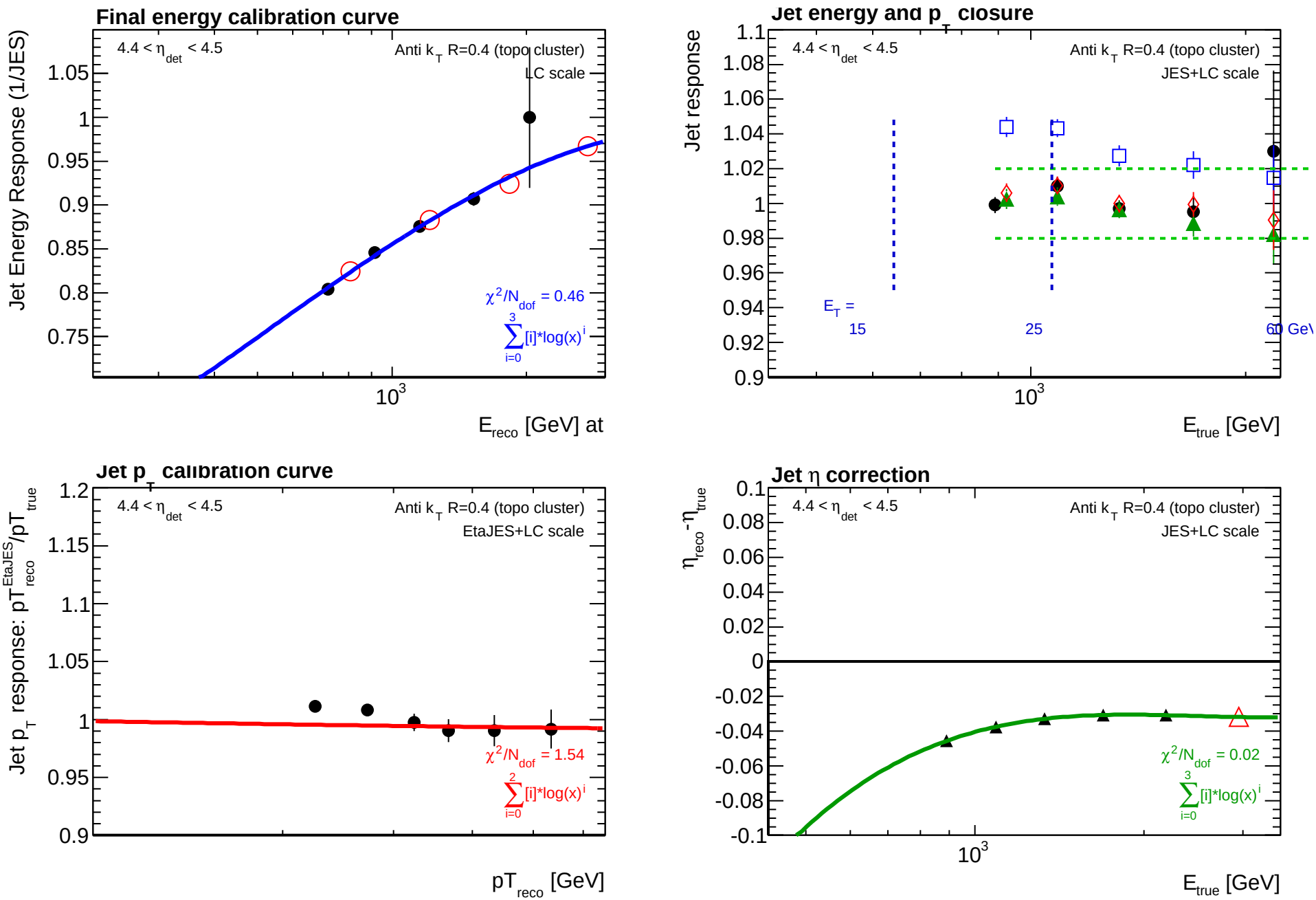

Final energy calibration curve
-4.3 < η_det < -4.2
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 0.56
Σ_{i=0}^{2} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-4.3 < η_det < -4.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-4.3 < η_det < -4.2
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.54
Σ_{i=0}^{0} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-4.3 < η_det < -4.2
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 1.16
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

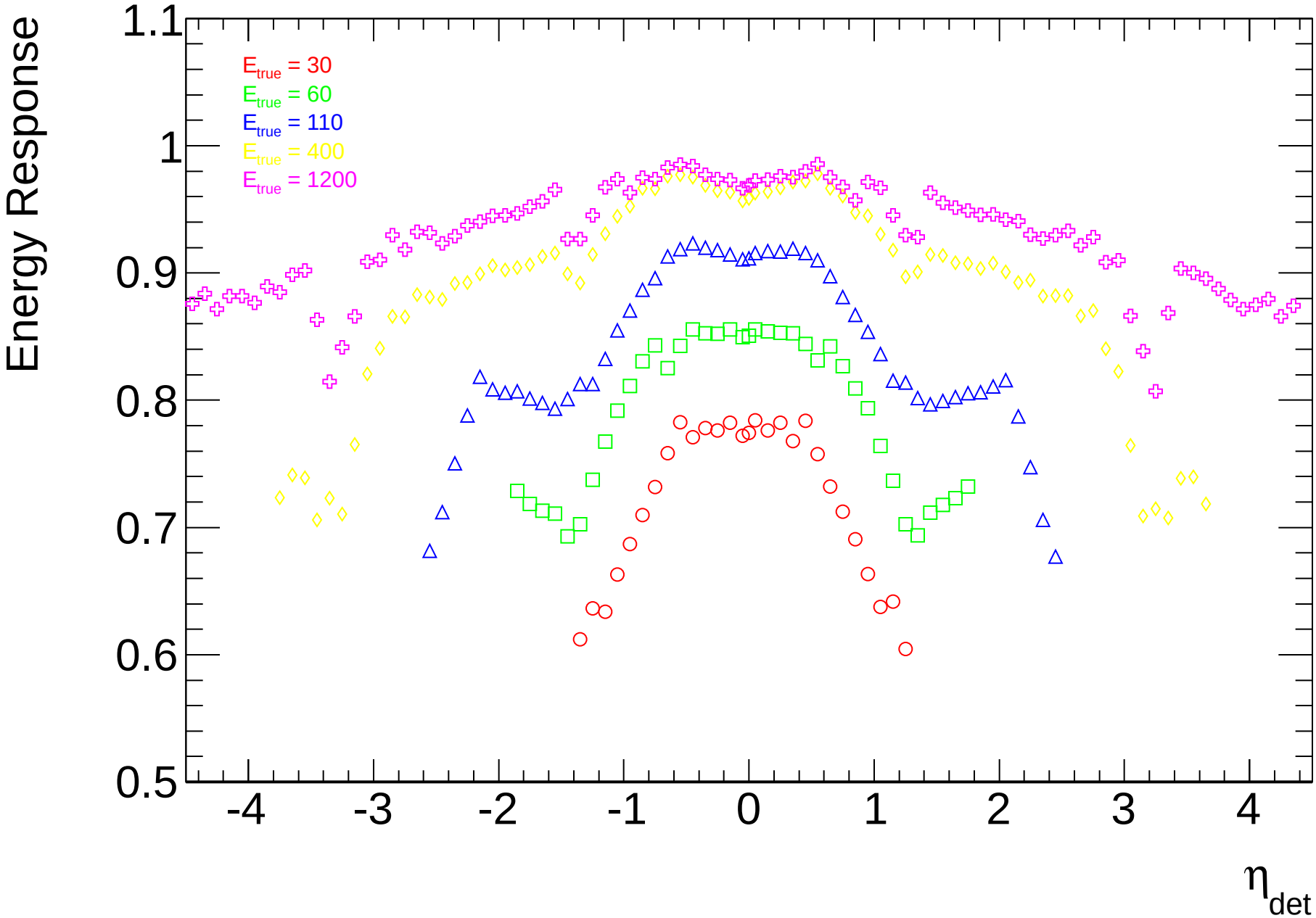

Final energy calibration curve
4.2 < η_det < 4.3
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 3.15
Σ_{i=0}^{2} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
4.2 < η_det < 4.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
4.2 < η_det < 4.3
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.42
Σ_{i=0}^{0} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
4.2 < η_det < 4.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 0.11
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

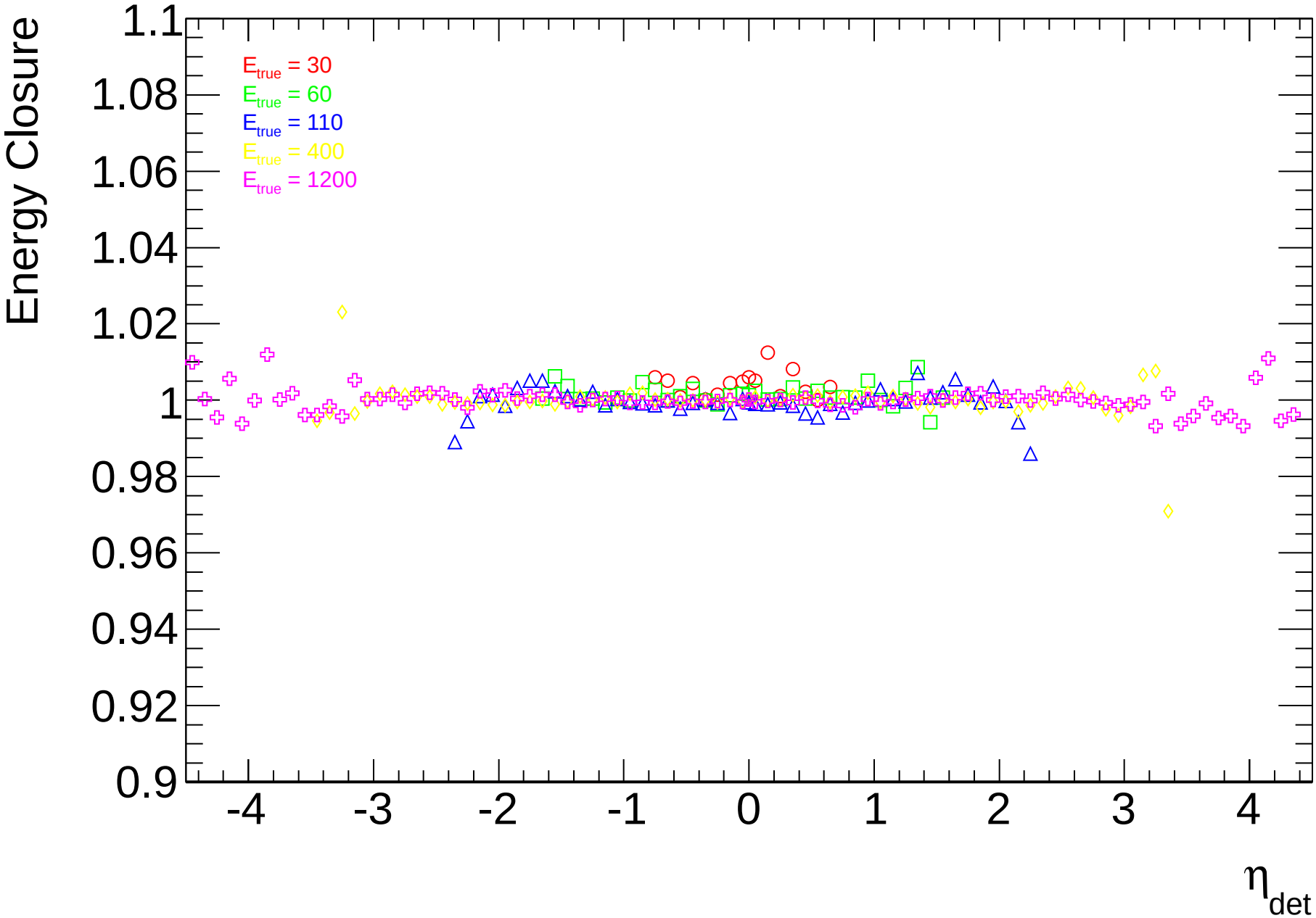

Final energy calibration curve
-4.4 < η_det < -4.3
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 2.63
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-4.4 < η_det < -4.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-4.4 < η_det < -4.3
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.44
Σ_{i=0}^{0} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-4.4 < η_det < -4.3
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 1.08
Σ_{i=0}^{2} [i]*log(x)^i
E_true [GeV]

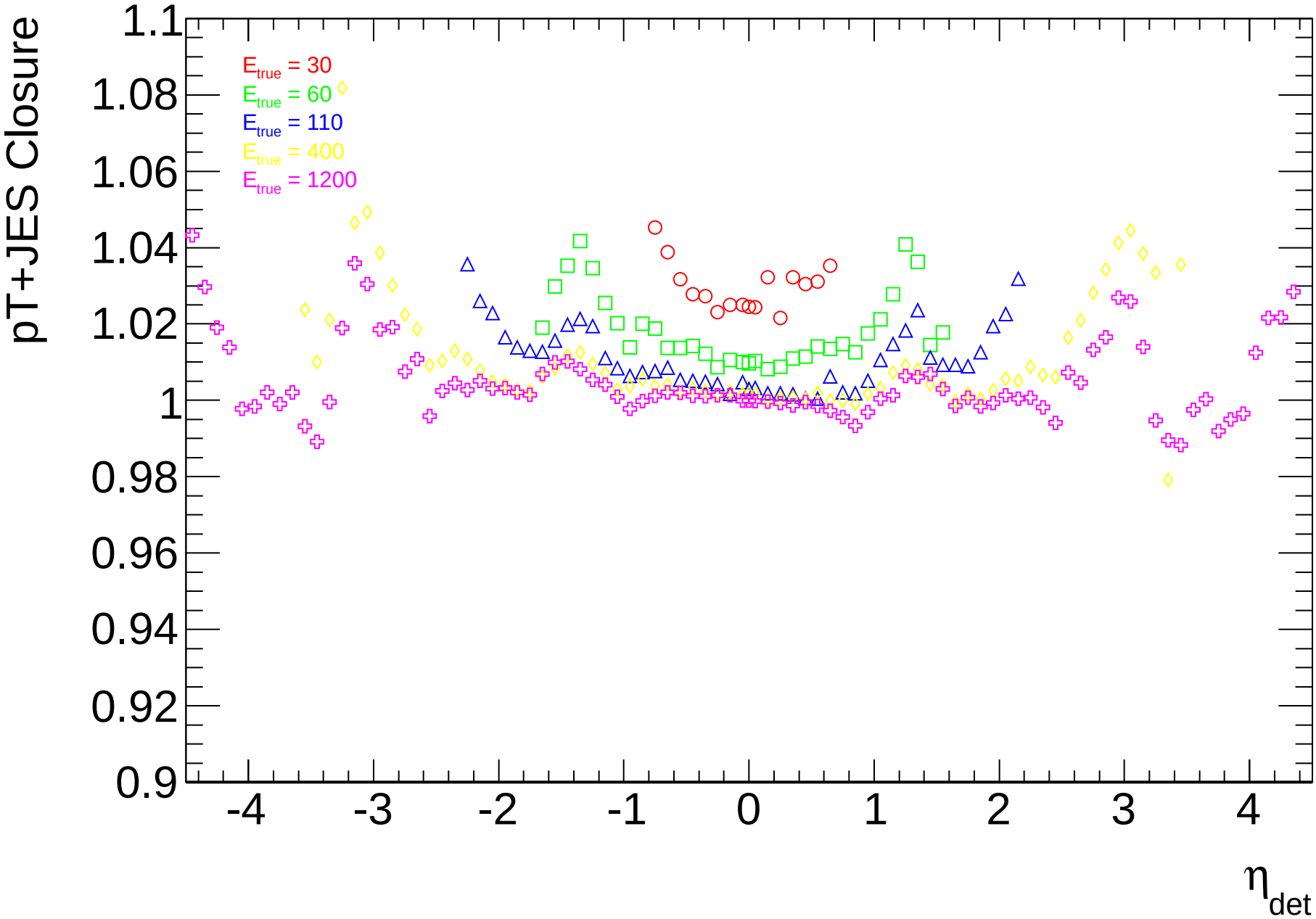

Final energy calibration curve
4.3 < η_det < 4.4
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 0.53
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
4.3 < η_det < 4.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
4.3 < η_det < 4.4
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.11
Σ_{i=0}^{0} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
4.3 < η_det < 4.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 1.69
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

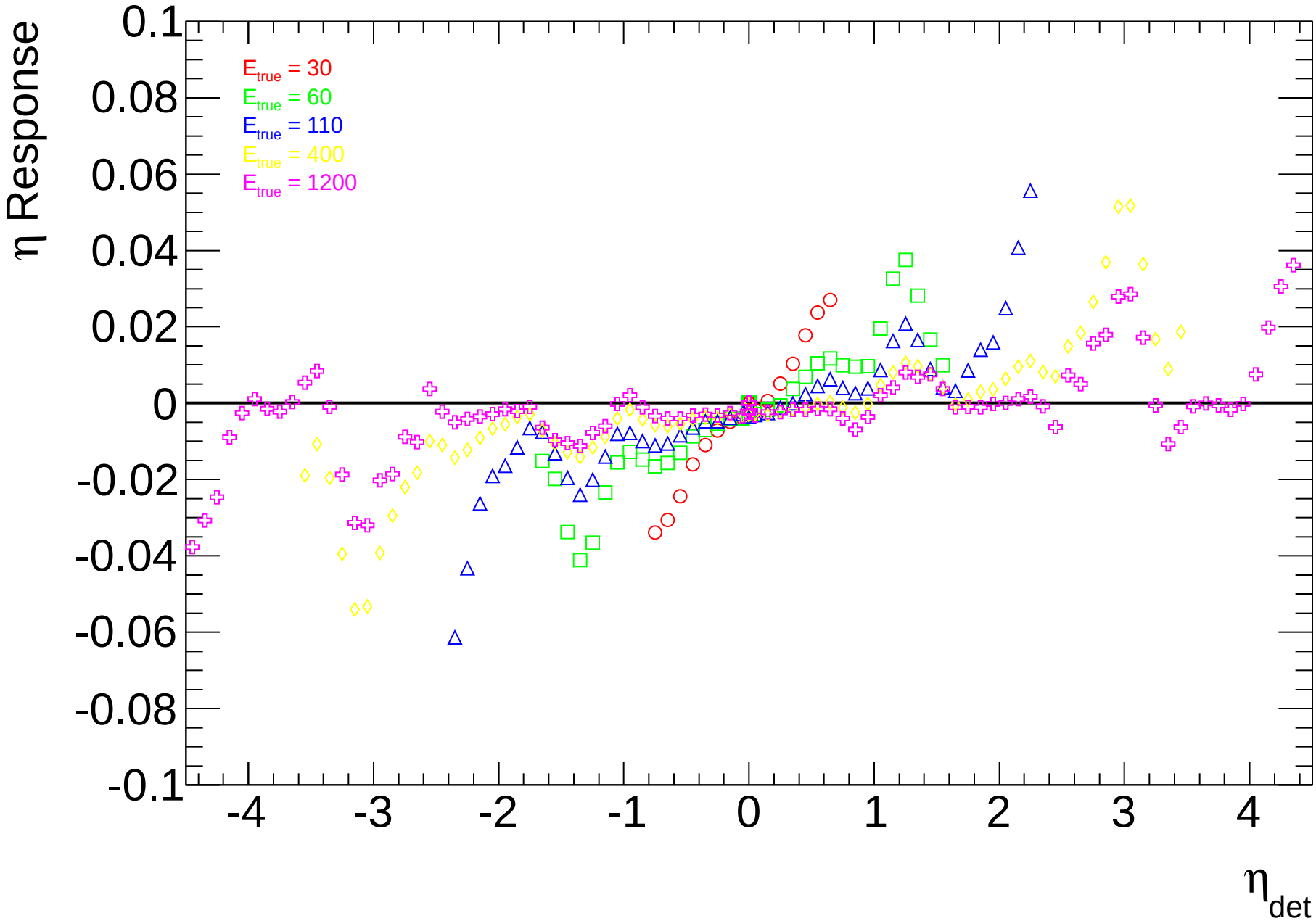

Final energy calibration curve
-4.5 < η_det < -4.4
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 0.92
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
-4.5 < η_det < -4.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
-4.5 < η_det < -4.4
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 0.75
Σ_{i=0}^{4} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
-4.5 < η_det < -4.4
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 0.26
Σ_{i=0}^{2} [i]*log(x)^i
E_true [GeV]

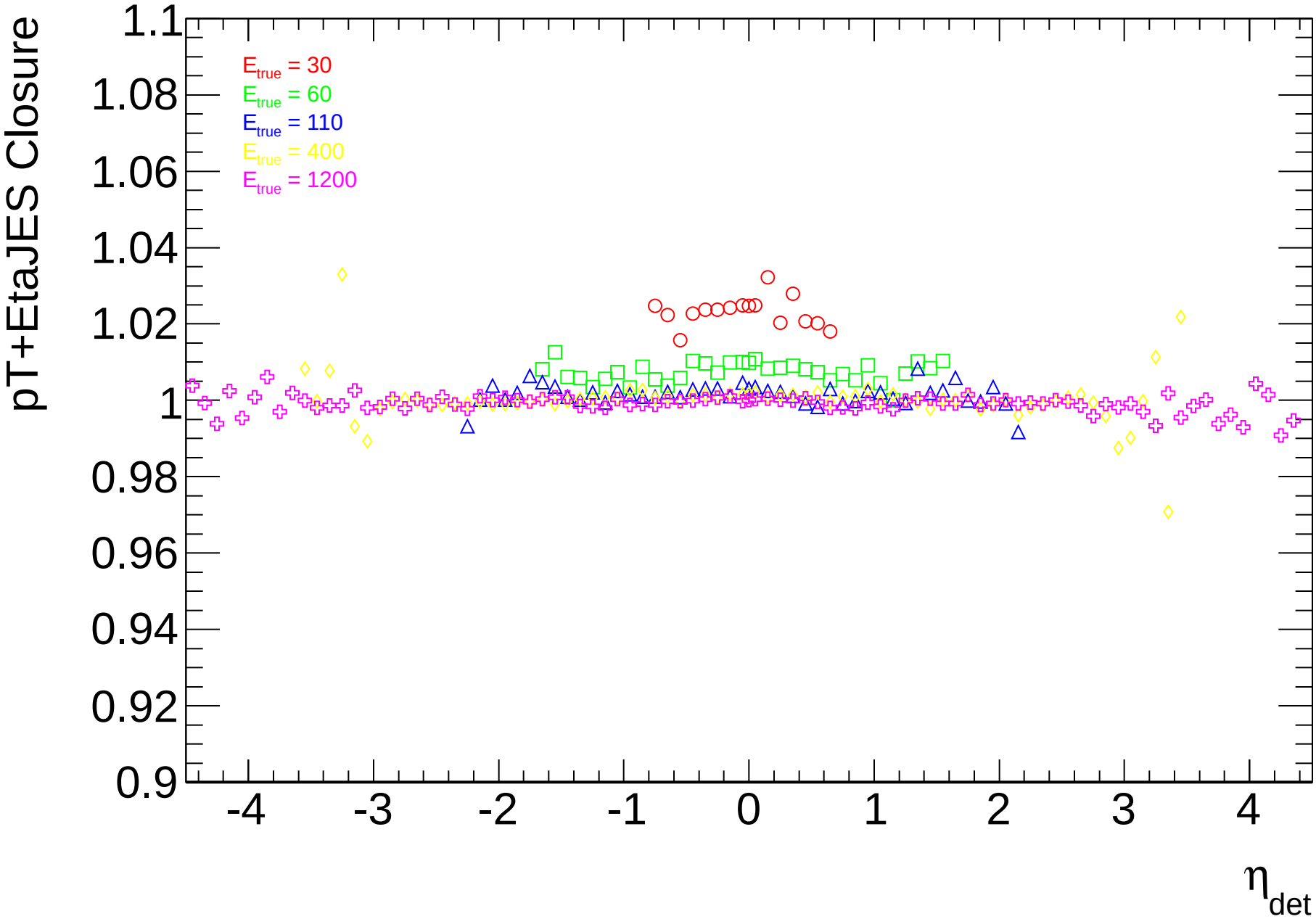

Final energy calibration curve
4.4 < η_det < 4.5
Anti k_T R=0.4 (topo cluster)
LC scale
Jet Energy Response (1/JES)
χ²/N_dof = 0.46
Σ_{i=0}^{3} [i]*log(x)^i
E_reco [GeV] at
Jet energy and p_T closure
4.4 < η_det < 4.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
Jet response
E_T =
15
25
60 GeV
E_true [GeV]
Jet p_T calibration curve
4.4 < η_det < 4.5
Anti k_T R=0.4 (topo cluster)
EtaJES+LC scale
Jet p_T response: pT^EtaJES_reco/pT_true
χ²/N_dof = 1.54
Σ_{i=0}^{2} [i]*log(x)^i
pT_reco [GeV]
Jet η correction
4.4 < η_det < 4.5
Anti k_T R=0.4 (topo cluster)
JES+LC scale
η_reco-η_true
χ²/N_dof = 0.02
Σ_{i=0}^{3} [i]*log(x)^i
E_true [GeV]

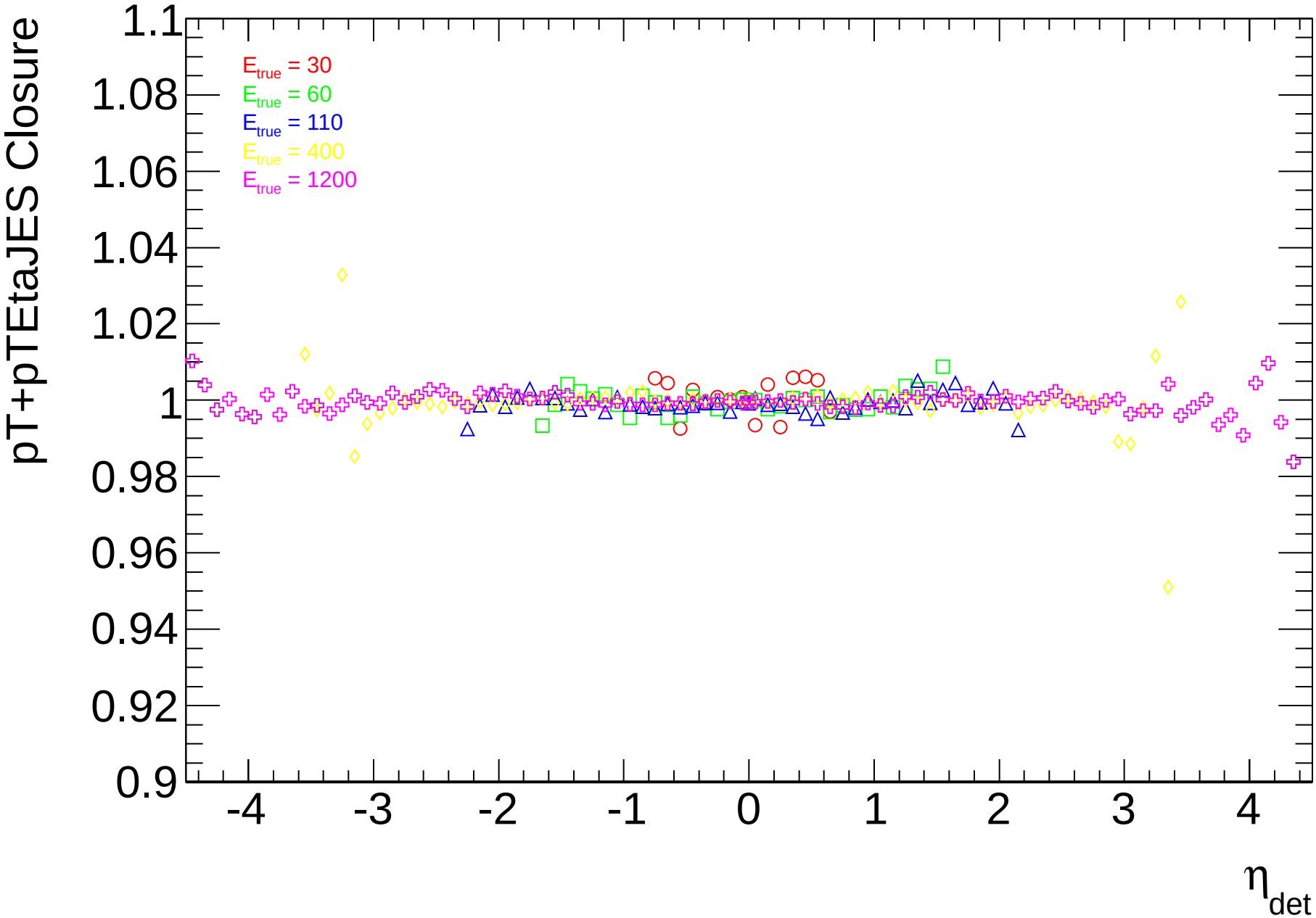

Energy Response
1.1
1
0.9
0.8
0.7
0.6
0.5
-4
-3
-2
-1
0
1
2
3
4
η_{det}
E_{true} = 30
E_{true} = 60
E_{true} = 110
E_{true} = 400
E_{true} = 1200


Energy Closure
1.1
1.08
1.06
1.04
1.02
1
0.98
0.96
0.94
0.92
0.9
-4
-3
-2
-1
0
1
2
3
4
η_{det}
E_{true} = 30
E_{true} = 60
E_{true} = 110
E_{true} = 400
E_{true} = 1200


pT+JES Closure
1.1
1.08
1.06
1.04
1.02
1
0.98
0.96
0.94
0.92
0.9
-4
-3
-2
-1
0
1
2
3
4
η_{det}
E_{true} = 30
E_{true} = 60
E_{true} = 110
E_{true} = 400
E_{true} = 1200


η Response
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
-0.1
-4
-3
-2
-1
0
1
2
3
4
η_det
E_true = 30
E_true = 60
E_true = 110
E_true = 400
E_true = 1200


pT+EtaJES Closure
1.1
1.08
1.06
1.04
1.02
1
0.98
0.96
0.94
0.92
0.9
-4
-3
-2
-1
0
1
2
3
4
η_{det}
E_{true} = 30
E_{true} = 60
E_{true} = 110
E_{true} = 400
E_{true} = 1200


pT+pTEtaJES Closure
1.1
1.08
1.06
1.04
1.02
1
0.98
0.96
0.94
0.92
0.9
-4
-3
-2
-1
0
1
2
3
4
η_{det}
E_{true} = 30
E_{true} = 60
E_{true} = 110
E_{true} = 400
E_{true} = 1200