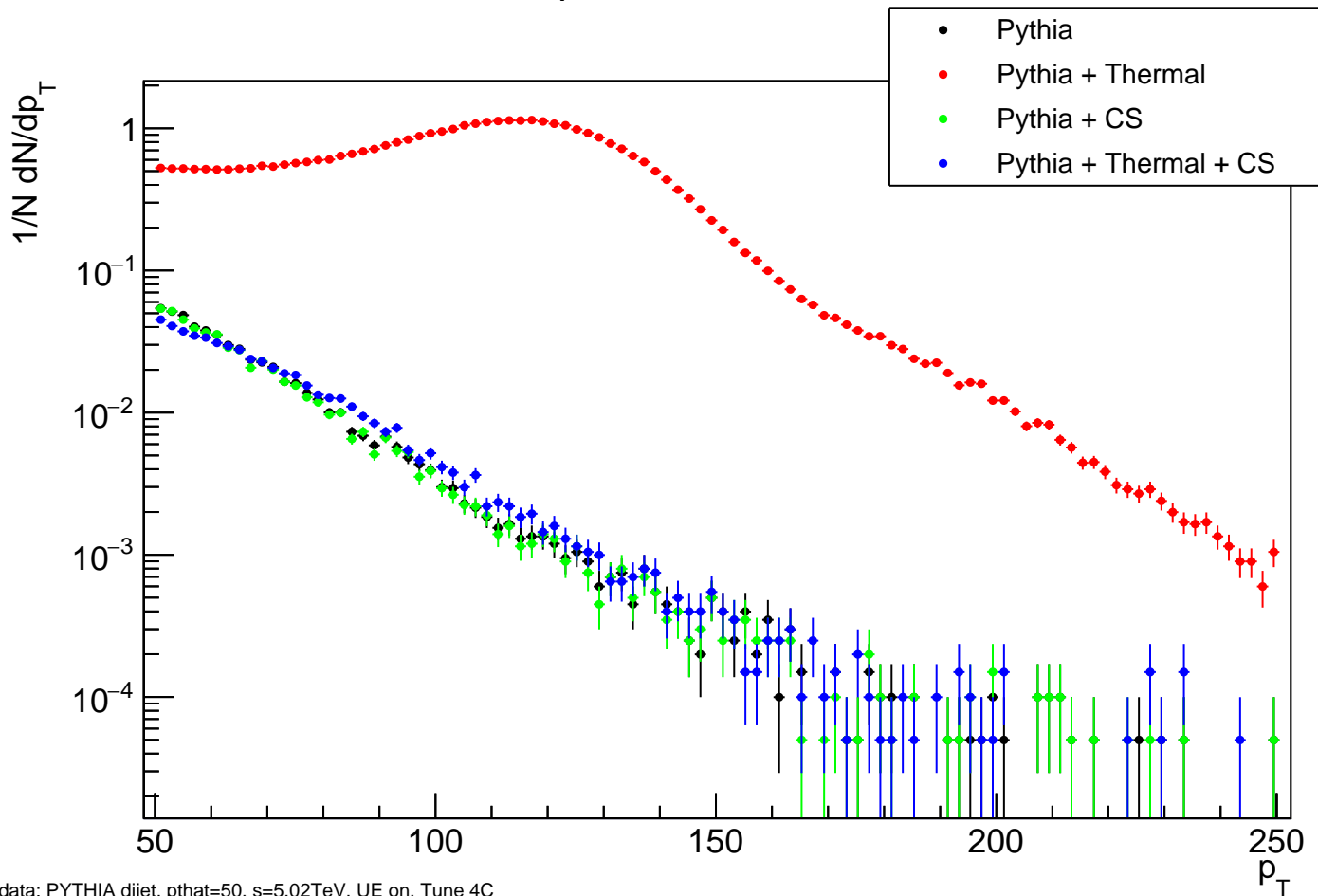
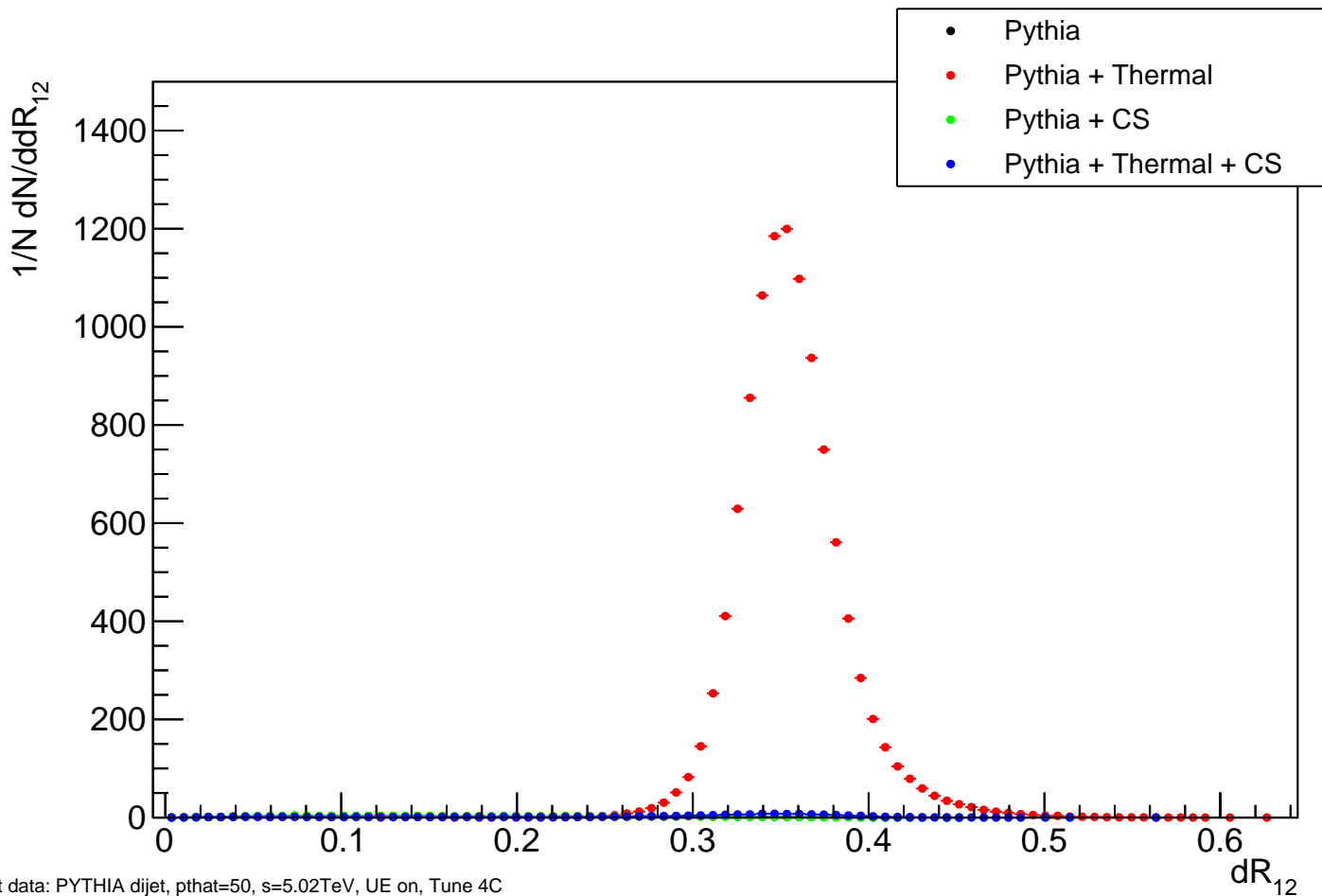


Pythia (+ thermal) spectra ($p_T > 50$ GeV)

p_T spectra



dR₁₂ spectra (soft drop 1)



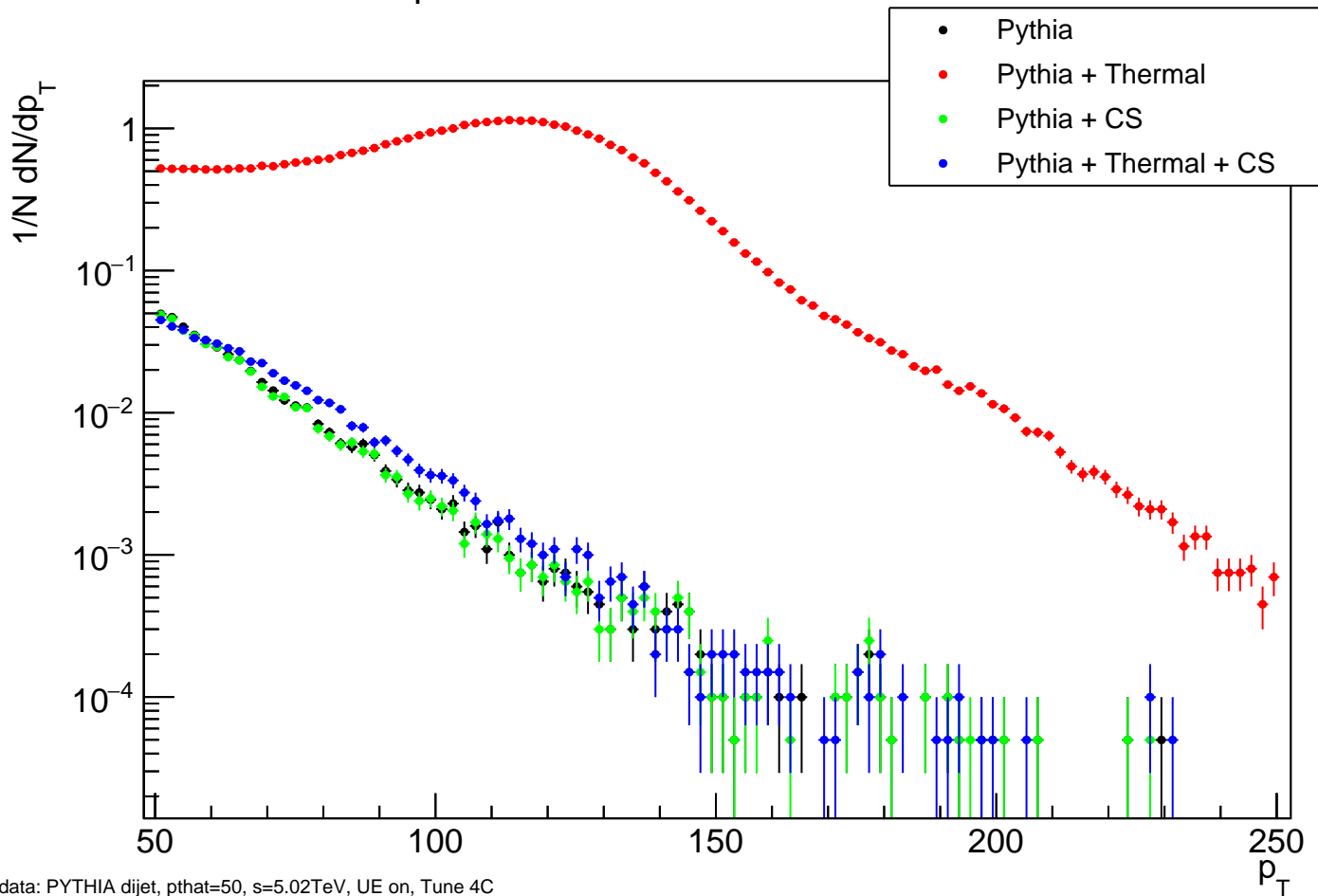
Input data: PYTHIA dijet, pthat=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

$p_T > 50$ GeV

Fraction of jets that failed Soft Drop: 0.004615 (Pythia), 0.000000 (Pythia + Thermal), 0.004748 (Pythia + CS), 0.002703 (Pythia + Thermal + CS)

p_T spectra (soft drop 1)



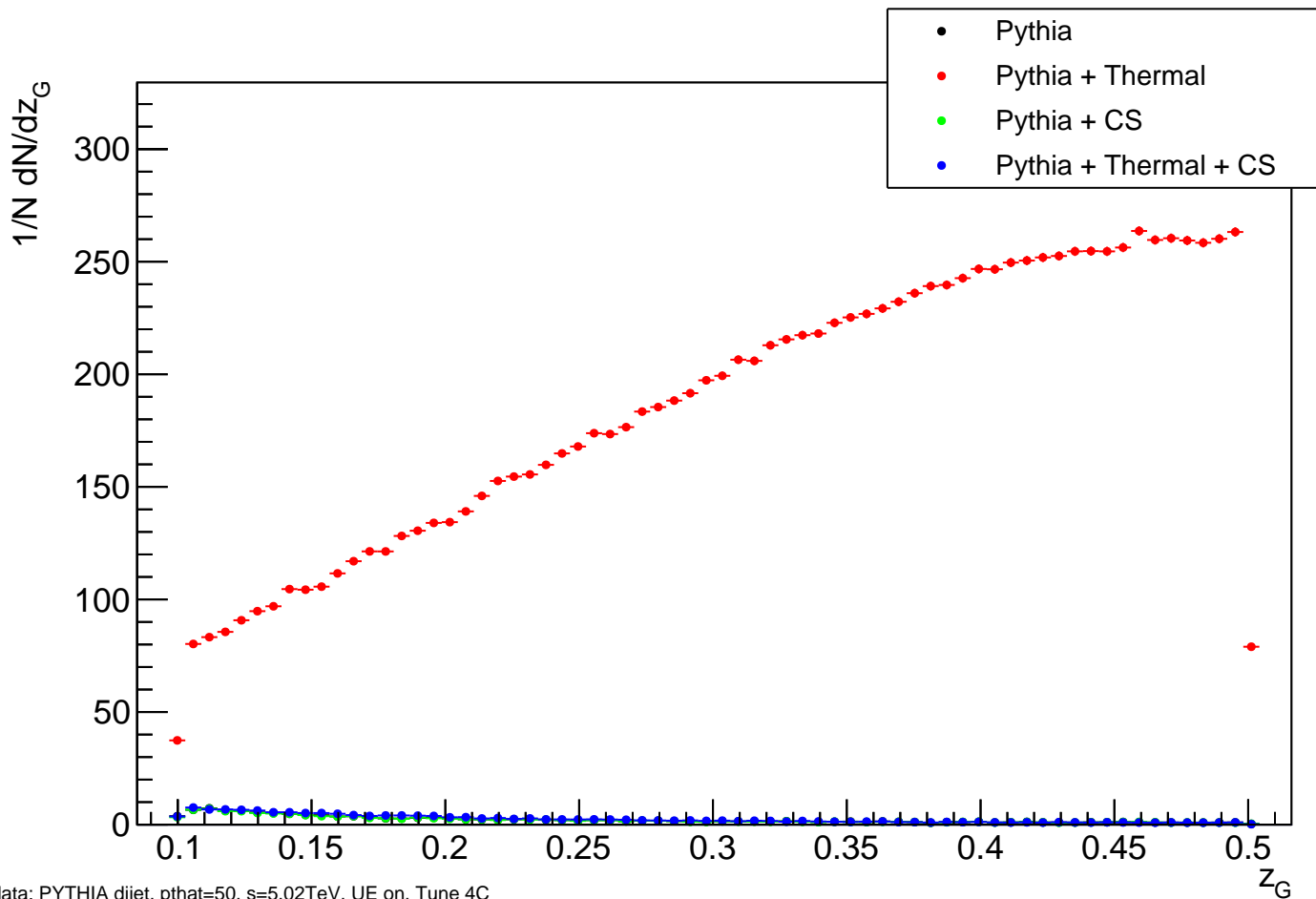
Input data: PYTHIA dijet, pthat=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

$p_T > 50$ GeV

Fraction of jets that failed Soft Drop: 0.004615 (Pythia), 0.000000 (Pythia + Thermal), 0.004748 (Pythia + CS), 0.002703 (Pythia + Thermal + CS)

z_G spectra (soft drop 1)



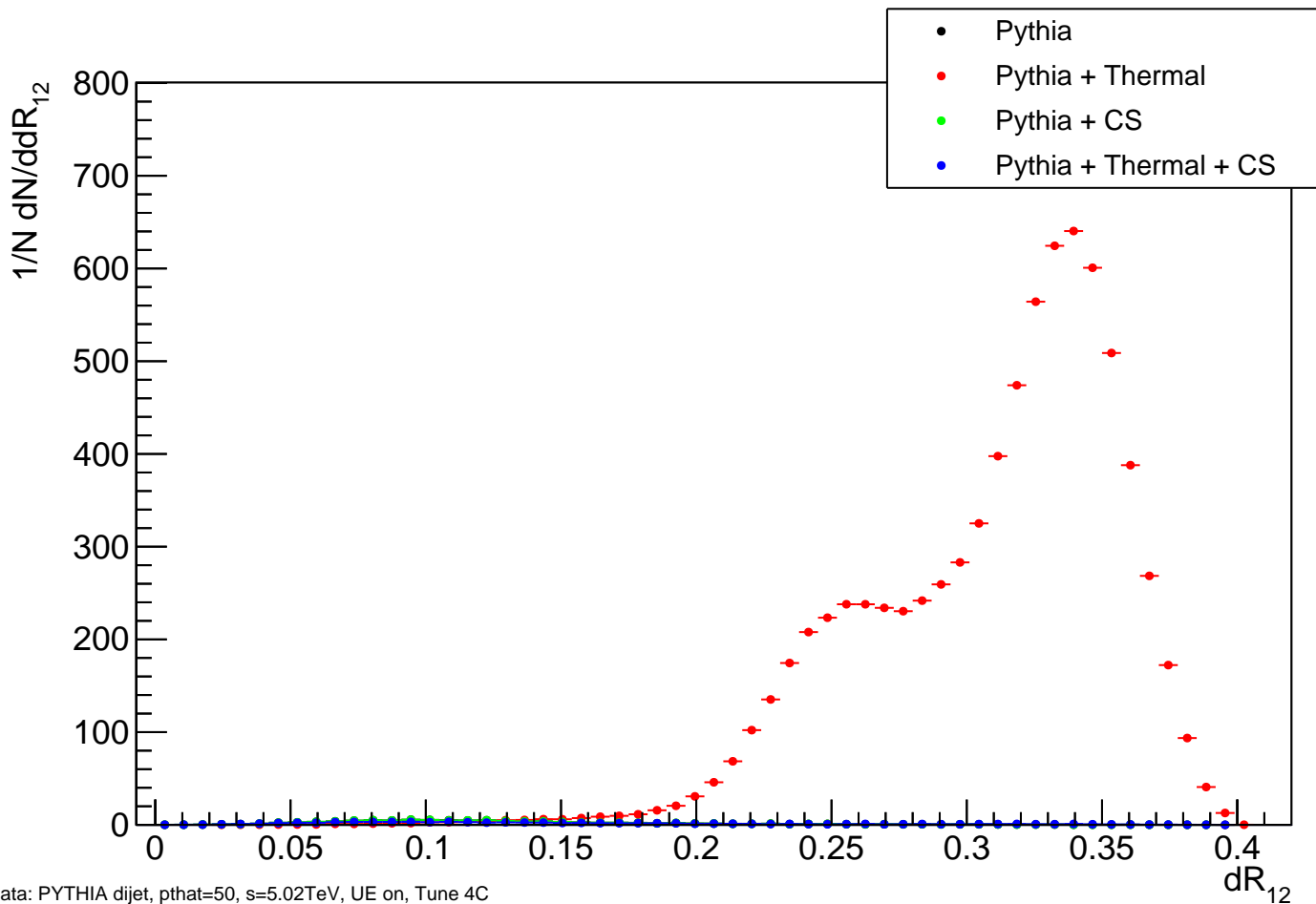
Input data: PYTHIA dijet, p_{hat}=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

p_T>50 GeV

Fraction of jets that failed Soft Drop: 0.004615 (Pythia), 0.000000 (Pythia + Thermal), 0.004748 (Pythia + CS), 0.002703 (Pythia + Thermal + CS)

dR₁₂ spectra (soft drop 2)



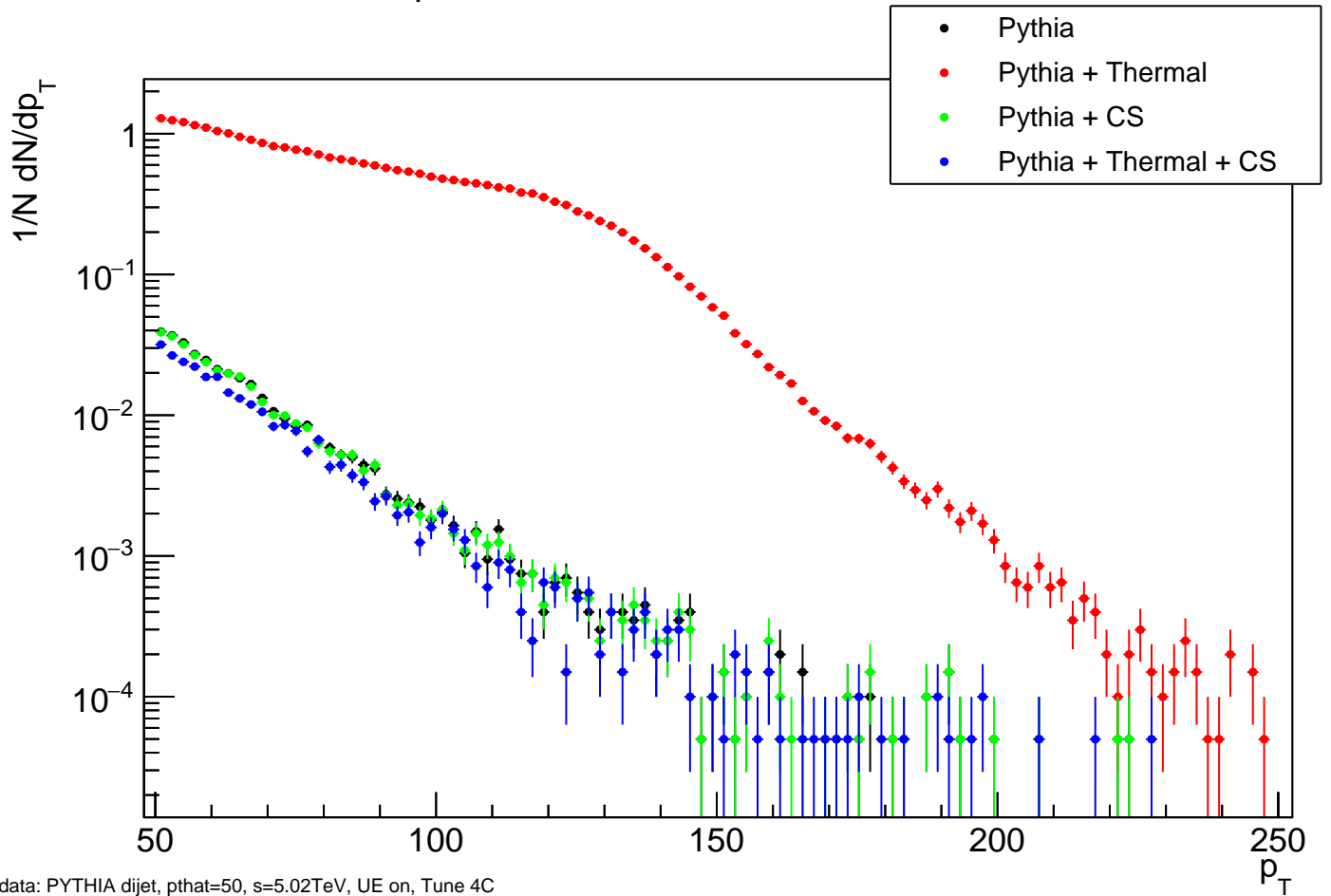
Input data: PYTHIA dijet, pthat=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

$p_T > 50$ GeV

Fraction of jets that failed Soft Drop: 0.001999 (Pythia), 0.000004 (Pythia + Thermal), 0.002037 (Pythia + CS), 0.002203 (Pythia + Thermal + CS)

p_T spectra (soft drop 2)



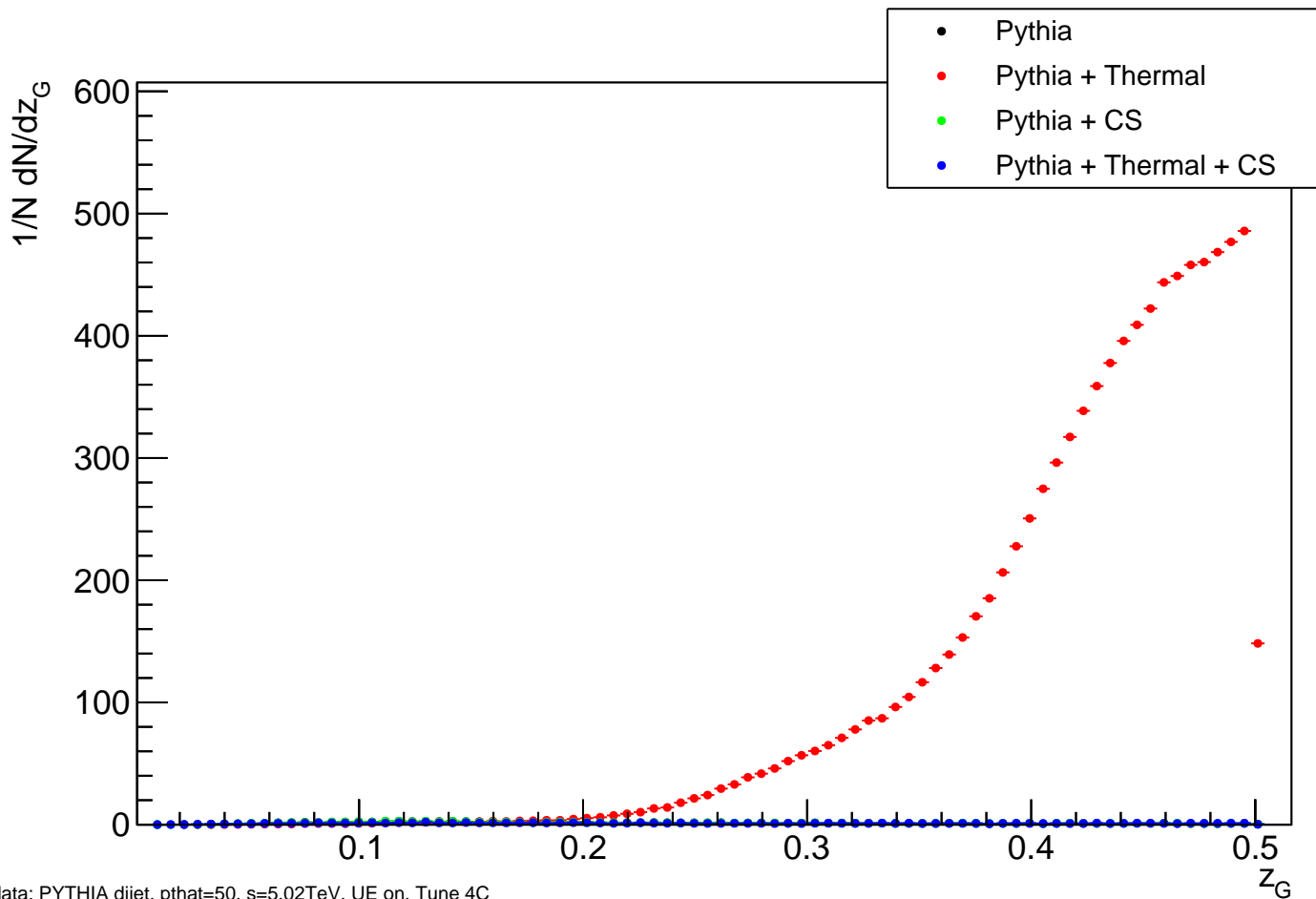
Input data: PYTHIA dijet, pthat=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

$p_T > 50$ GeV

Fraction of jets that failed Soft Drop: 0.001999 (Pythia), 0.000004 (Pythia + Thermal), 0.002037 (Pythia + CS), 0.002203 (Pythia + Thermal + CS)

z_G spectra (soft drop 2)



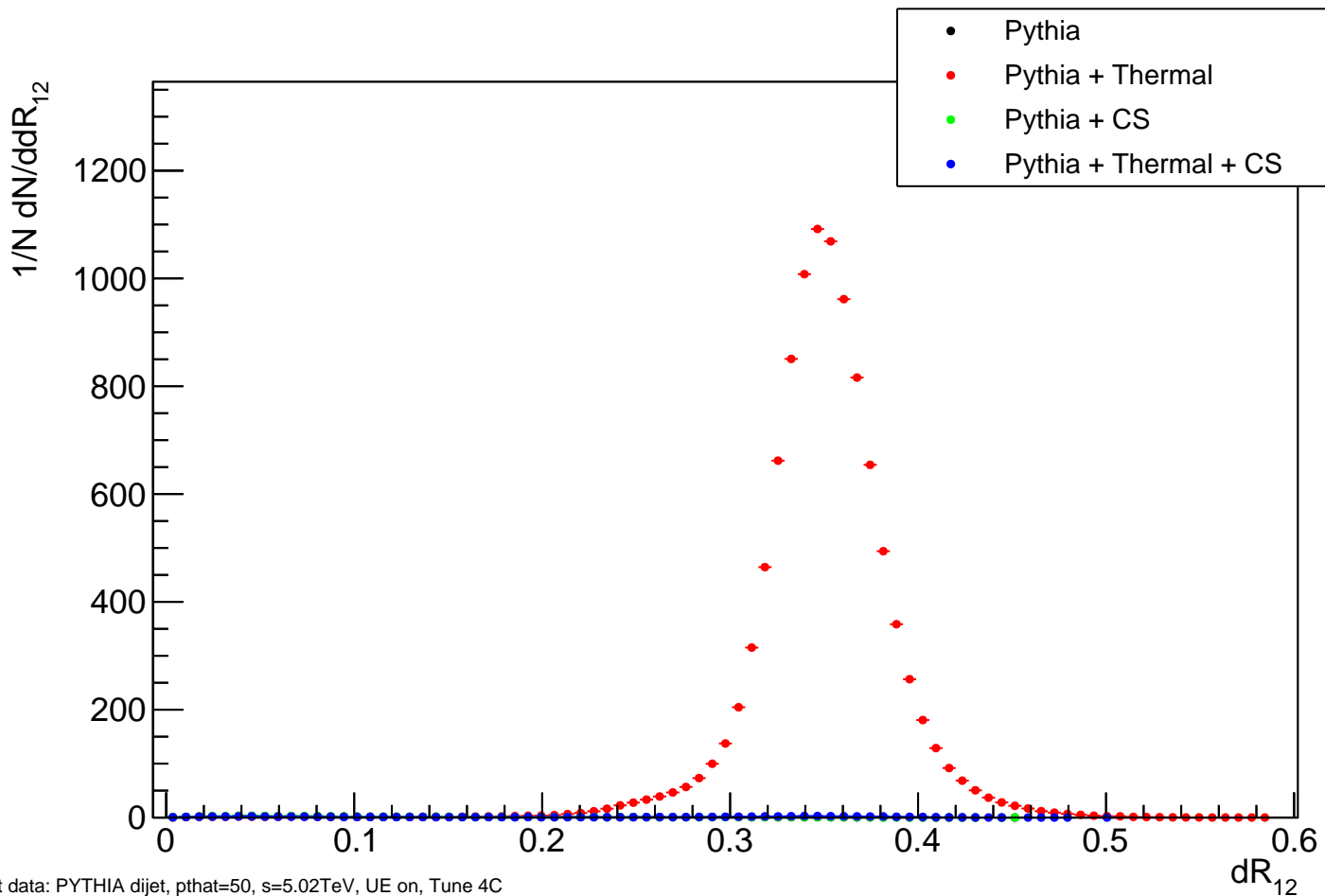
Input data: PYTHIA dijet, p_{th}=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

p_T>50 GeV

Fraction of jets that failed Soft Drop: 0.001999 (Pythia), 0.000004 (Pythia + Thermal), 0.002037 (Pythia + CS), 0.002203 (Pythia + Thermal + CS)

dR₁₂ spectra (soft drop 3)



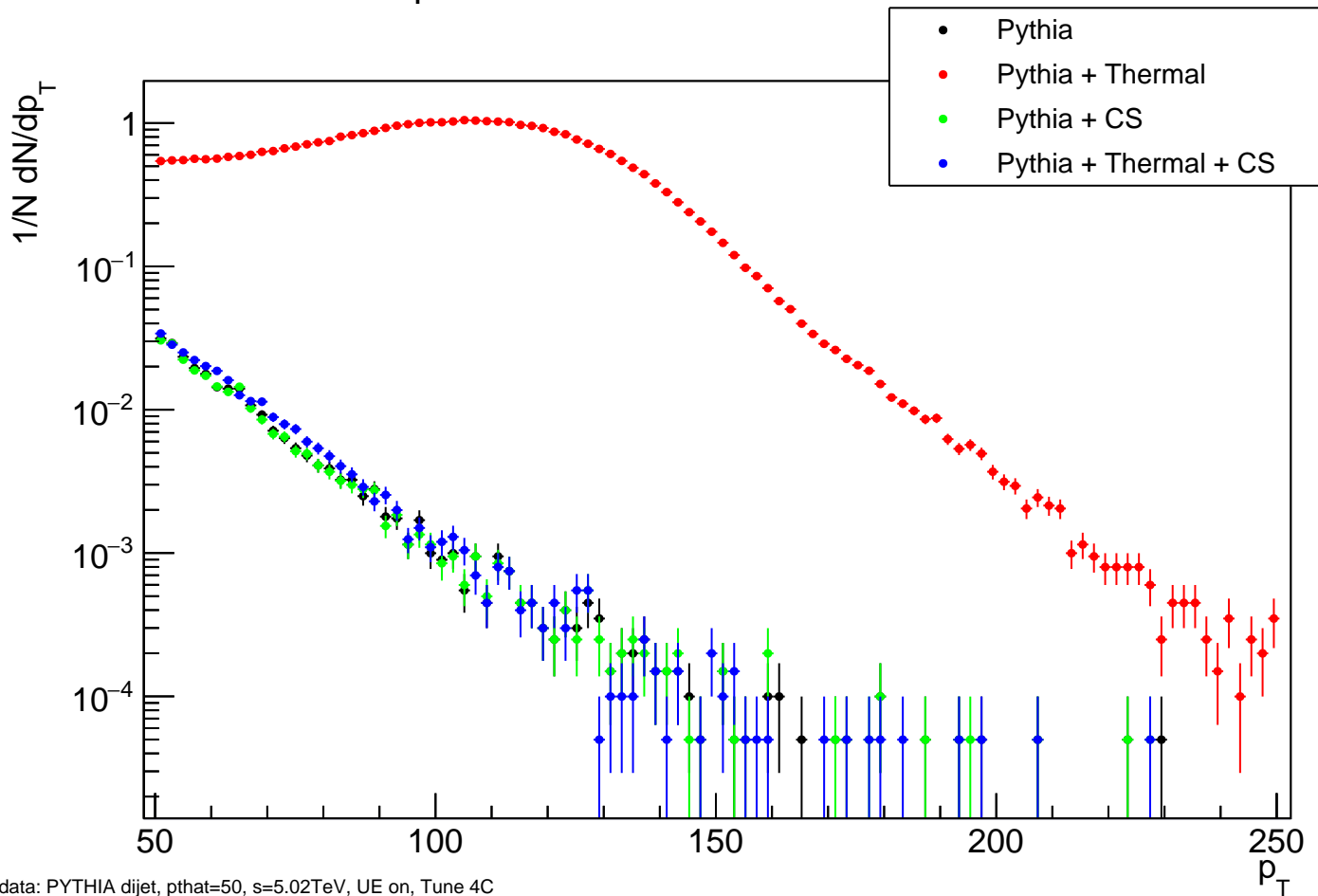
Input data: PYTHIA dijet, pthat=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

$p_T > 50$ GeV

Fraction of jets that failed Soft Drop: 0.023790 (Pythia), 0.000101 (Pythia + Thermal), 0.024365 (Pythia + CS), 0.016825 (Pythia + Thermal + CS)

p_T spectra (soft drop 3)



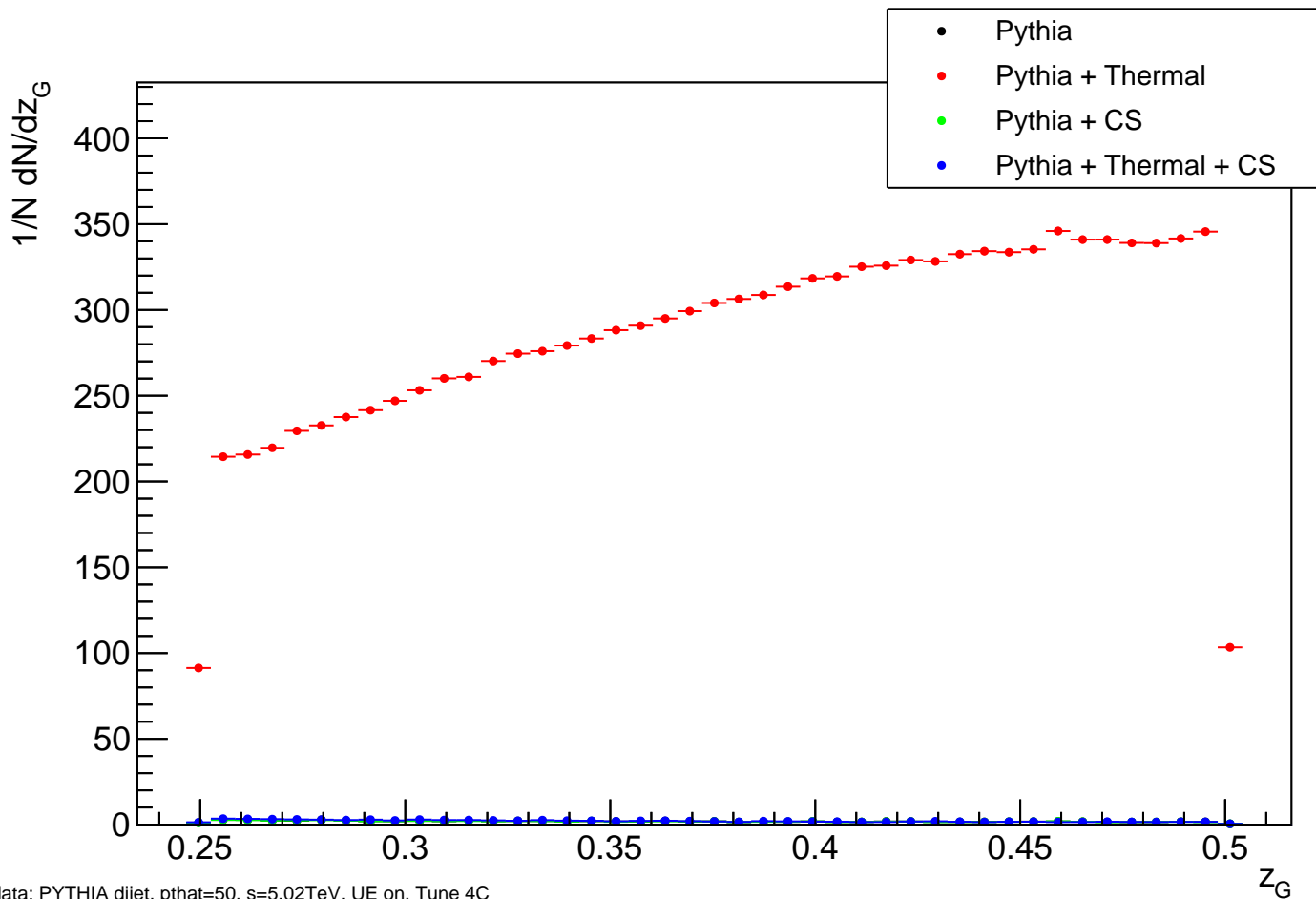
Input data: PYTHIA dijet, pthat=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

$p_T > 50$ GeV

Fraction of jets that failed Soft Drop: 0.023790 (Pythia), 0.000101 (Pythia + Thermal), 0.024365 (Pythia + CS), 0.016825 (Pythia + Thermal + CS)

z_G spectra (soft drop 3)



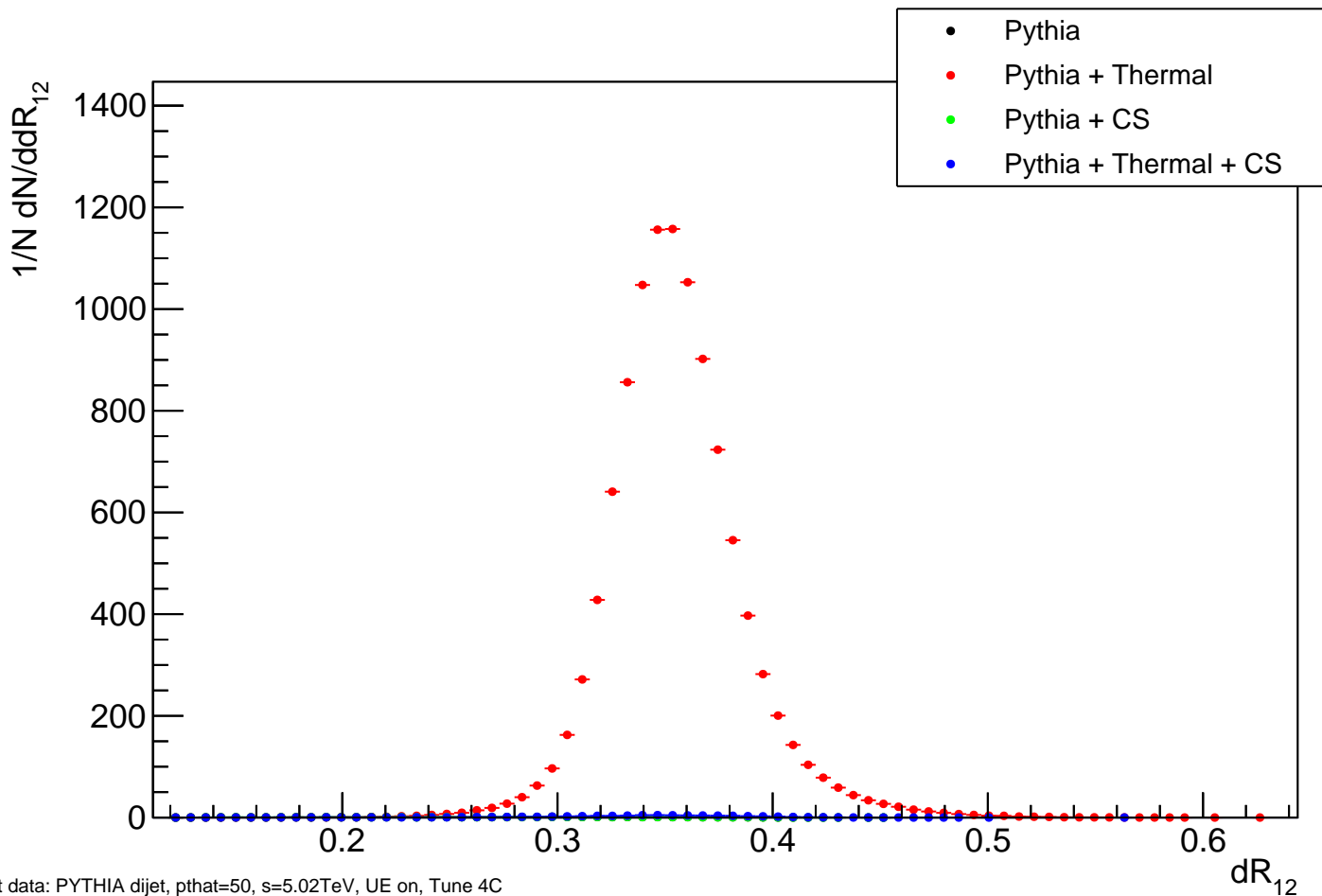
Input data: PYTHIA dijet, p_{hat}=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

p_T>50 GeV

Fraction of jets that failed Soft Drop: 0.023790 (Pythia), 0.000101 (Pythia + Thermal), 0.024365 (Pythia + CS), 0.016825 (Pythia + Thermal + CS)

dR₁₂ spectra (soft drop 4)



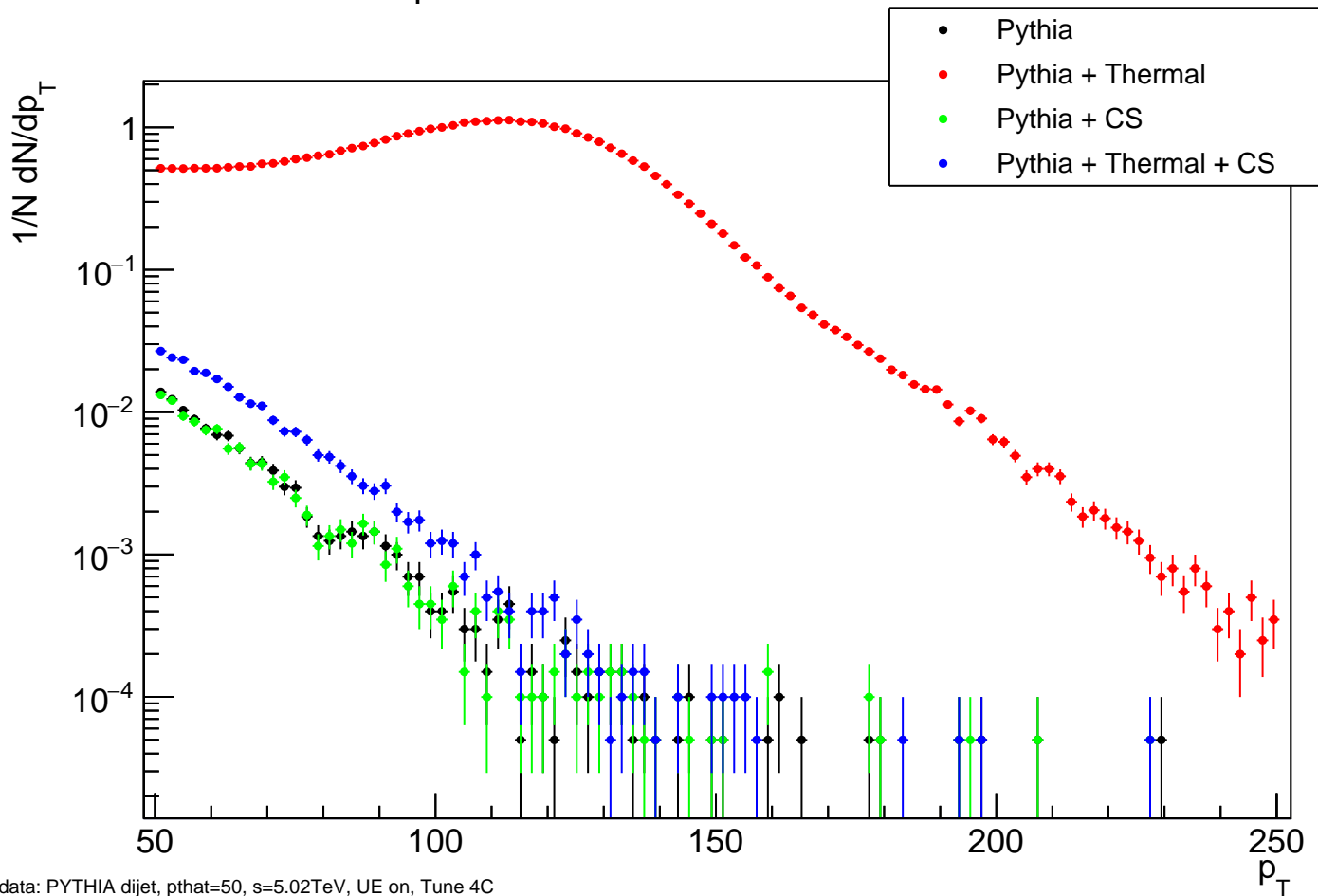
Input data: PYTHIA dijet, pthat=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

p_T>50 GeV

Fraction of jets that failed Soft Drop: 0.080836 (Pythia), 0.000114 (Pythia + Thermal), 0.084042 (Pythia + CS), 0.027311 (Pythia + Thermal + CS)

p_T spectra (soft drop 4)



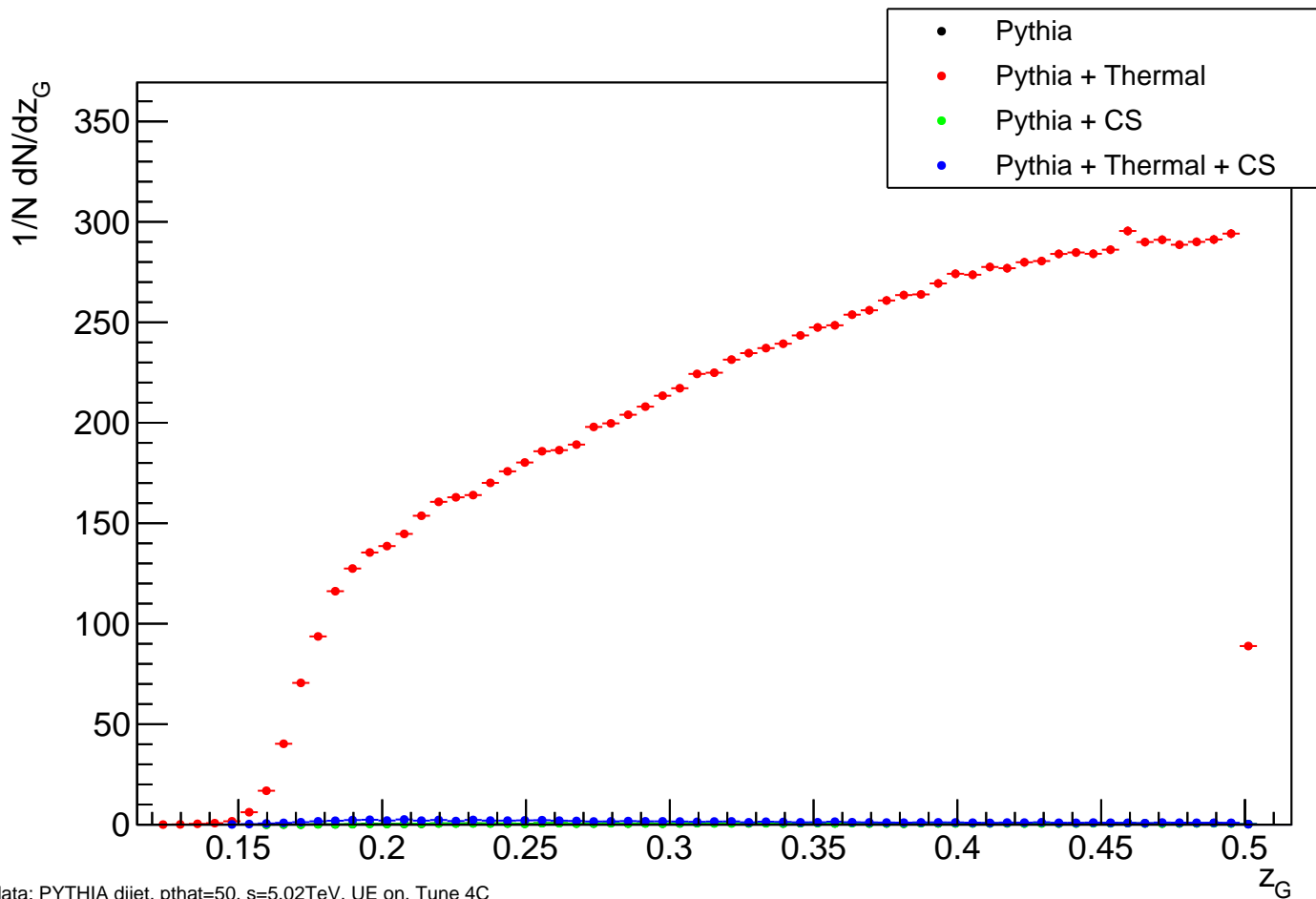
Input data: PYTHIA dijet, pthat=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

$p_T > 50$ GeV

Fraction of jets that failed Soft Drop: 0.080836 (Pythia), 0.000114 (Pythia + Thermal), 0.084042 (Pythia + CS), 0.027311 (Pythia + Thermal + CS)

z_G spectra (soft drop 4)



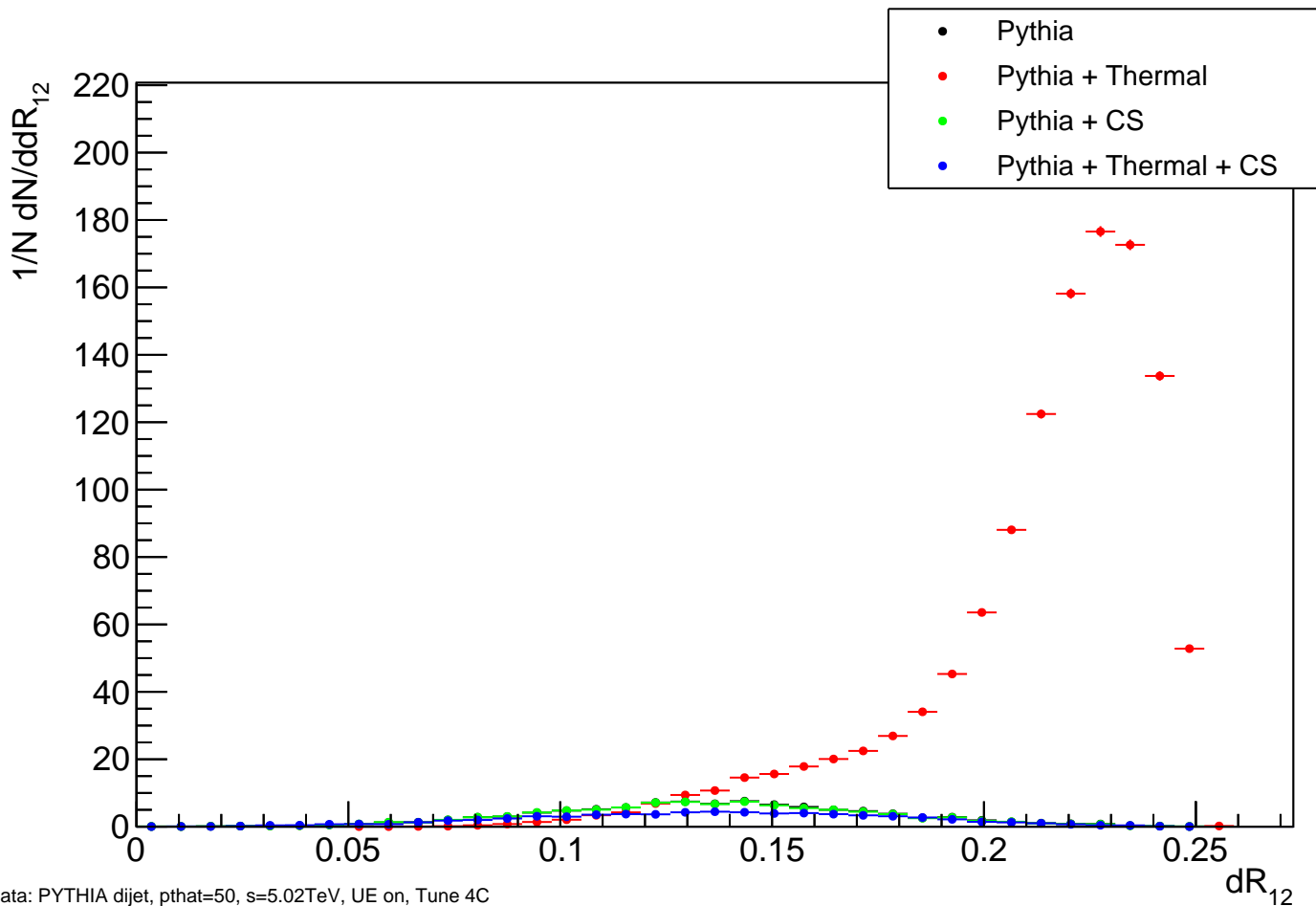
Input data: PYTHIA dijet, p_{hat}=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

p_T>50 GeV

Fraction of jets that failed Soft Drop: 0.080836 (Pythia), 0.000114 (Pythia + Thermal), 0.084042 (Pythia + CS), 0.027311 (Pythia + Thermal + CS)

dR₁₂ spectra (soft drop 5)



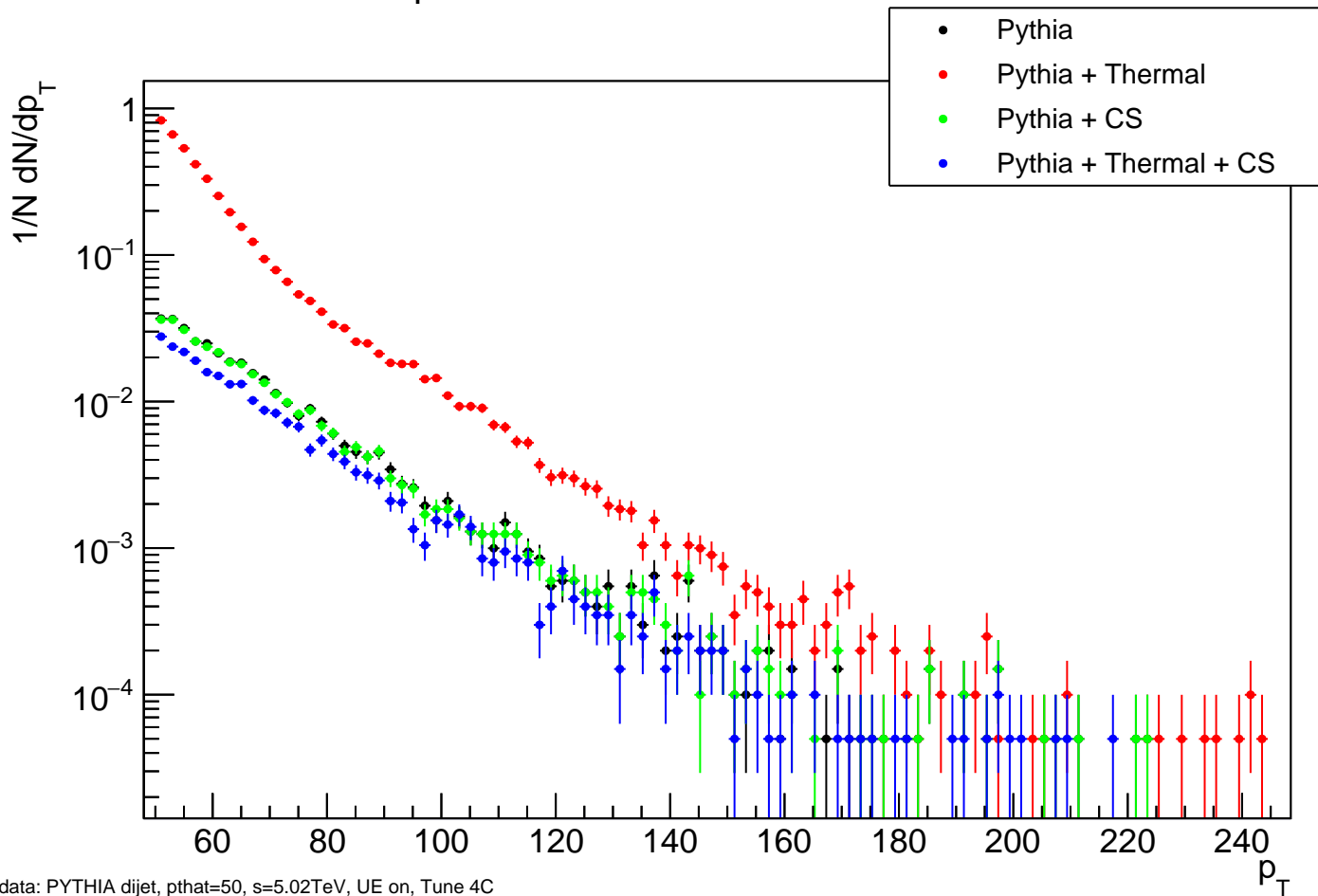
Input data: PYTHIA dijet, p_{hat}=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

p_T>50 GeV

Fraction of jets that failed Soft Drop: 0.000864 (Pythia), 0.000000 (Pythia + Thermal), 0.000879 (Pythia + CS), 0.002062 (Pythia + Thermal + CS)

p_T spectra (soft drop 5)



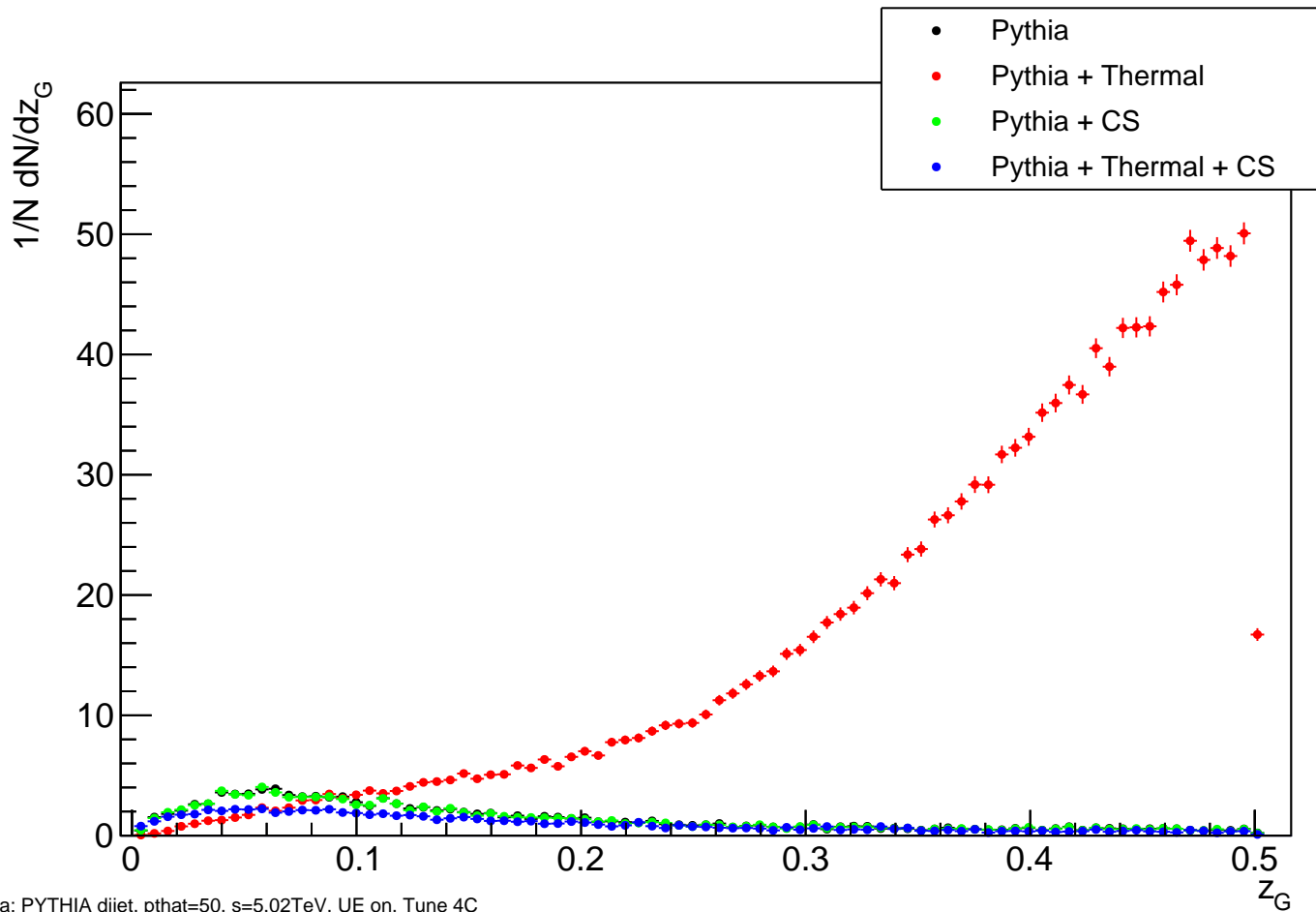
Input data: PYTHIA dijet, p_{hat}=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

p_T>50 GeV

Fraction of jets that failed Soft Drop: 0.000864 (Pythia), 0.000000 (Pythia + Thermal), 0.000879 (Pythia + CS), 0.002062 (Pythia + Thermal + CS)

z_G spectra (soft drop 5)



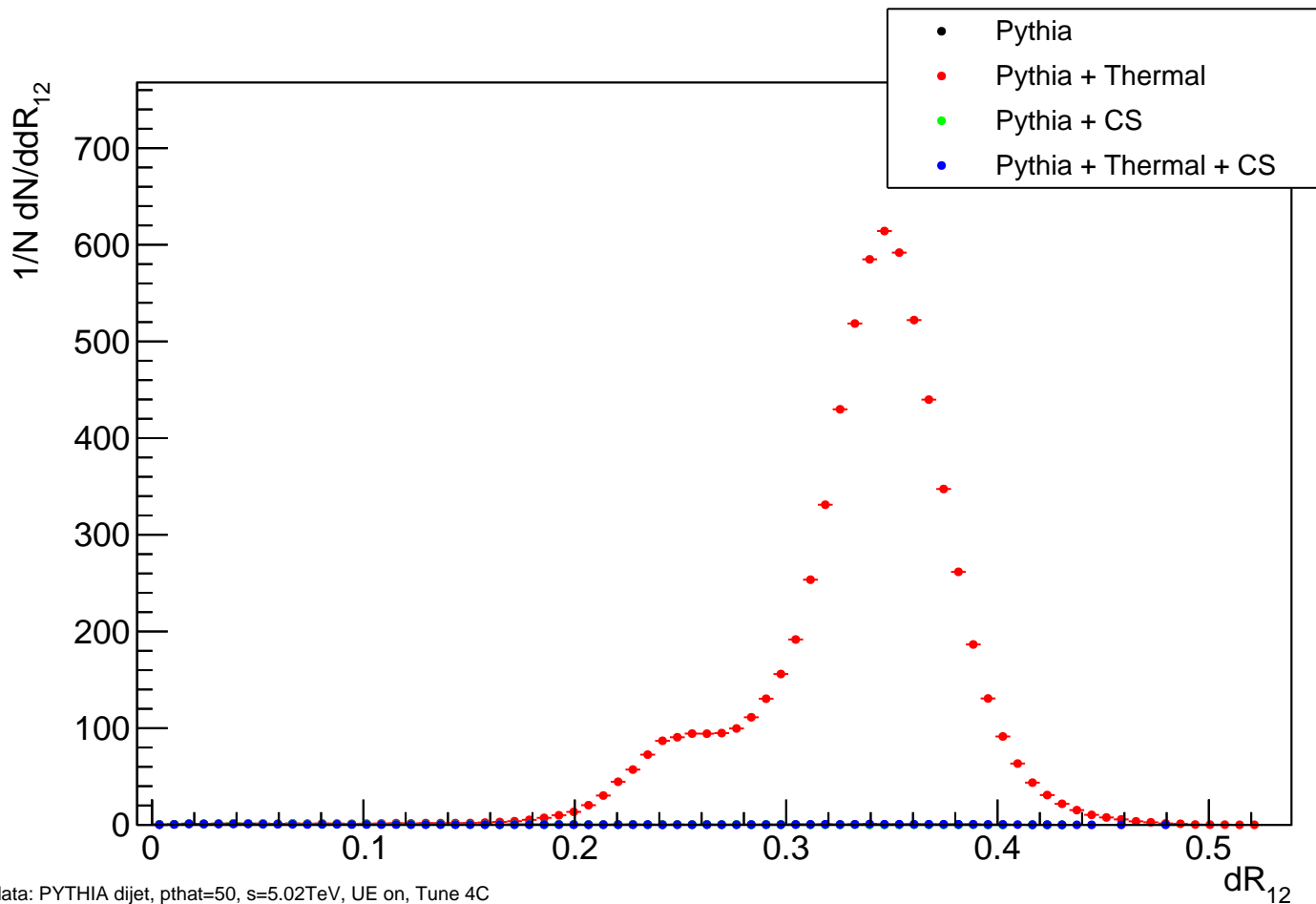
Input data: PYTHIA dijet, p_{hat}=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

p_T>50 GeV

Fraction of jets that failed Soft Drop: 0.000864 (Pythia), 0.000000 (Pythia + Thermal), 0.000879 (Pythia + CS), 0.002062 (Pythia + Thermal + CS)

dR₁₂ spectra (soft drop 6)



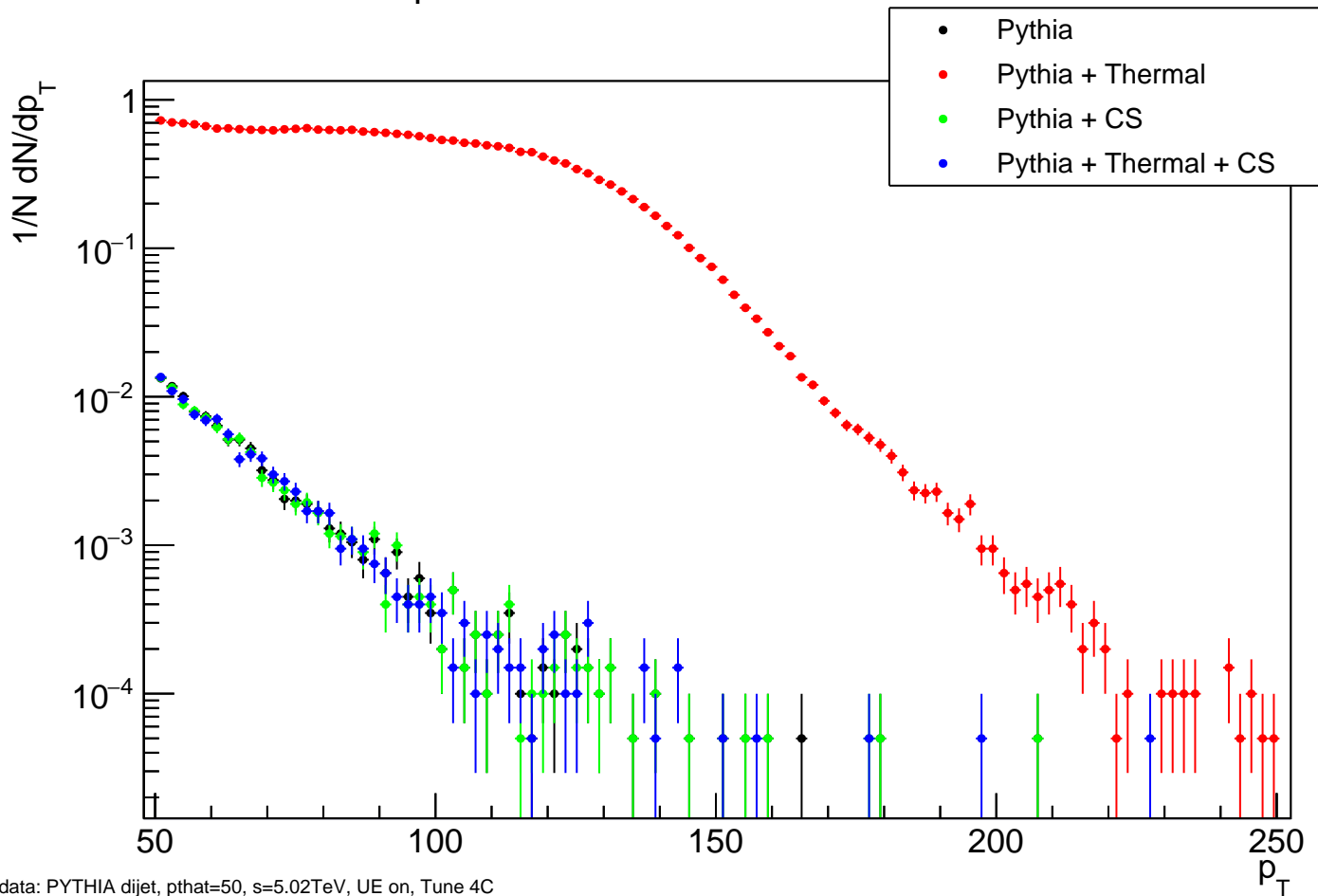
Input data: PYTHIA dijet, p_{th}=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

p_T>50 GeV

Fraction of jets that failed Soft Drop: 0.087314 (Pythia), 0.000351 (Pythia + Thermal), 0.089239 (Pythia + CS), 0.070607 (Pythia + Thermal + CS)

p_T spectra (soft drop 6)



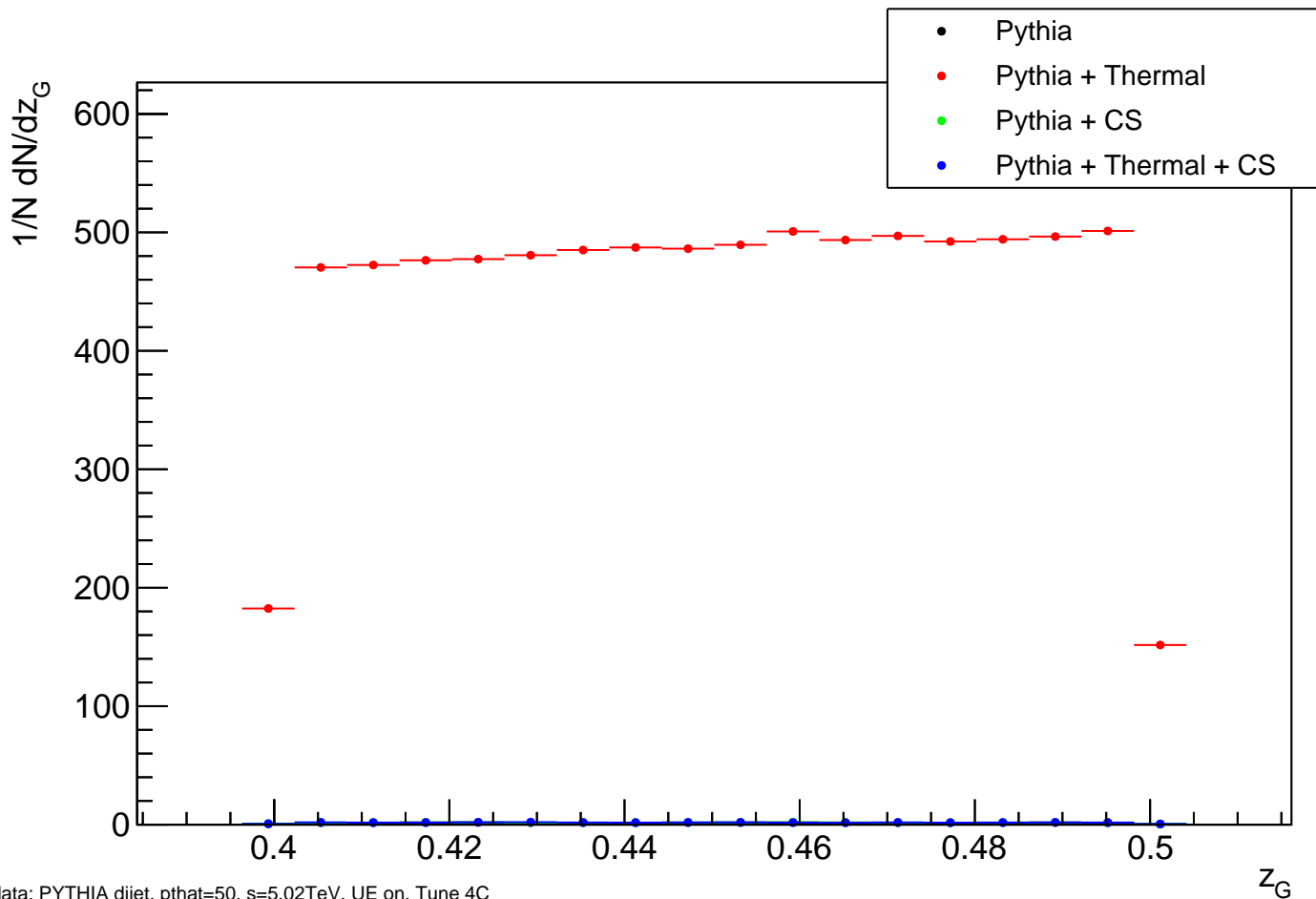
Input data: PYTHIA dijet, pthat=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

$p_T > 50$ GeV

Fraction of jets that failed Soft Drop: 0.087314 (Pythia), 0.000351 (Pythia + Thermal), 0.089239 (Pythia + CS), 0.070607 (Pythia + Thermal + CS)

z_G spectra (soft drop 6)



Input data: PYTHIA dijet, pthat=50, s=5.02TeV, UE on, Tune 4C

Background data: Thermal, EventsMult=7000, PtAv=1.20

$p_T > 50$ GeV

Fraction of jets that failed Soft Drop: 0.087314 (Pythia), 0.000351 (Pythia + Thermal), 0.089239 (Pythia + CS), 0.070607 (Pythia + Thermal + CS)

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