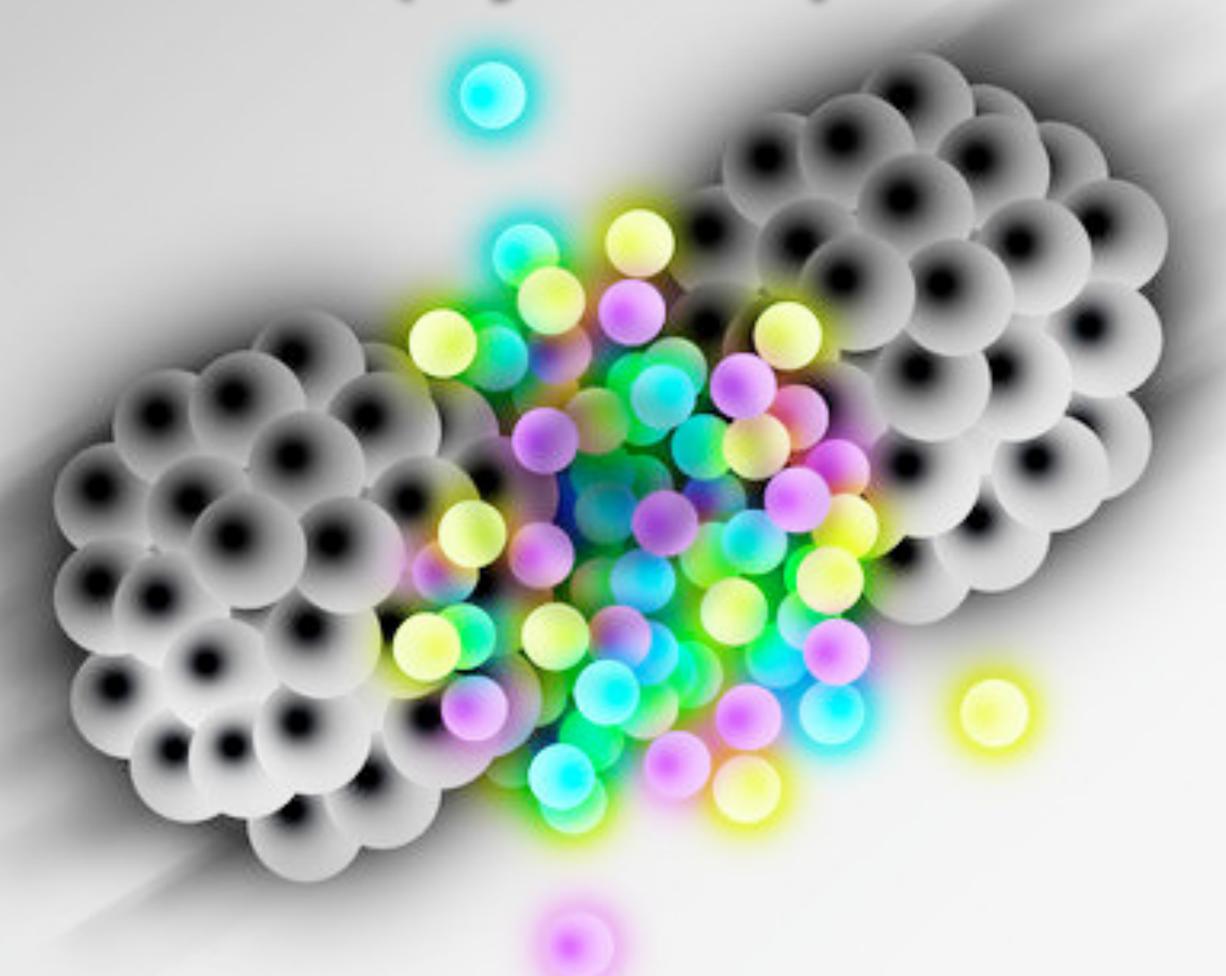
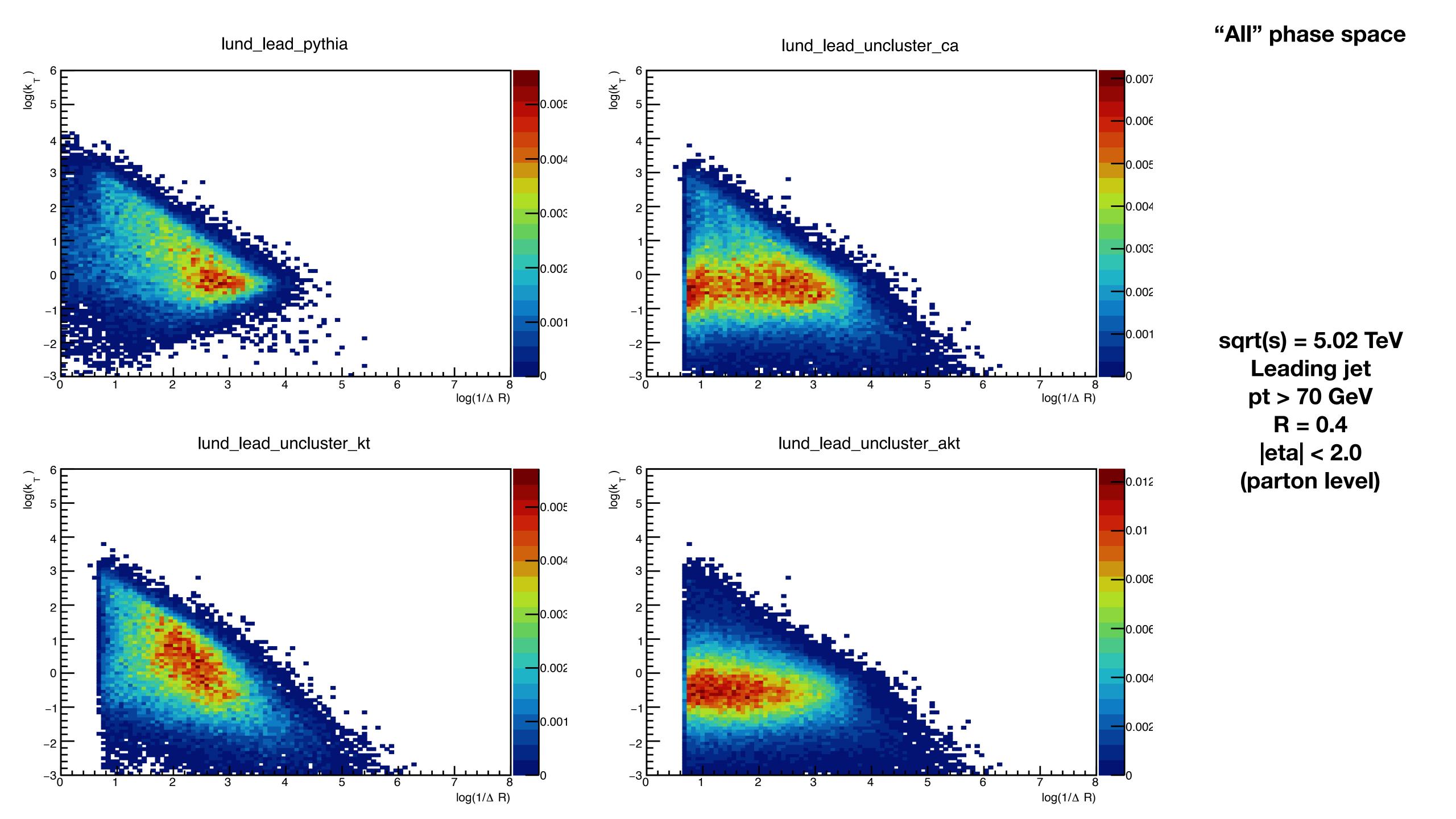
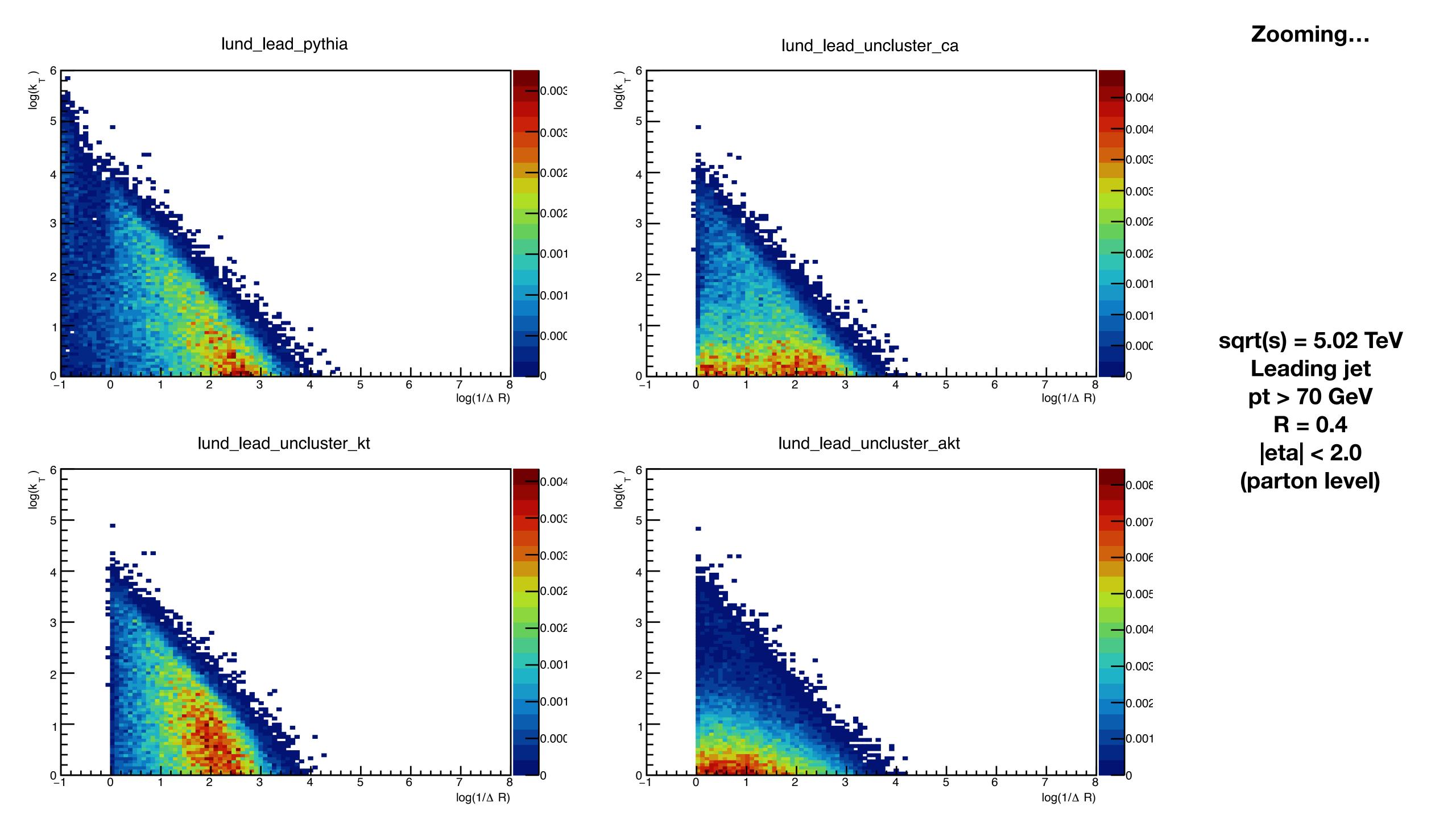
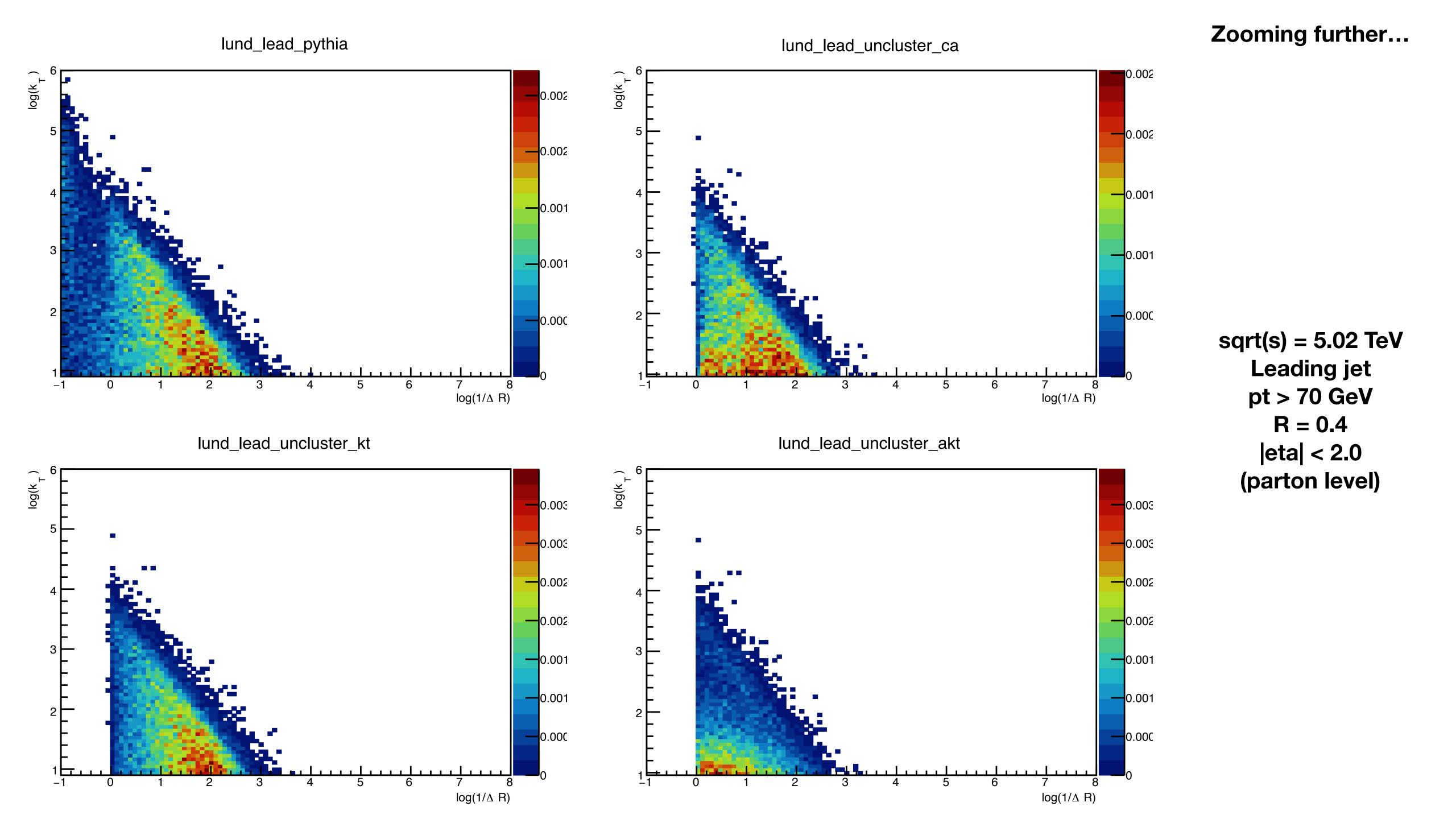
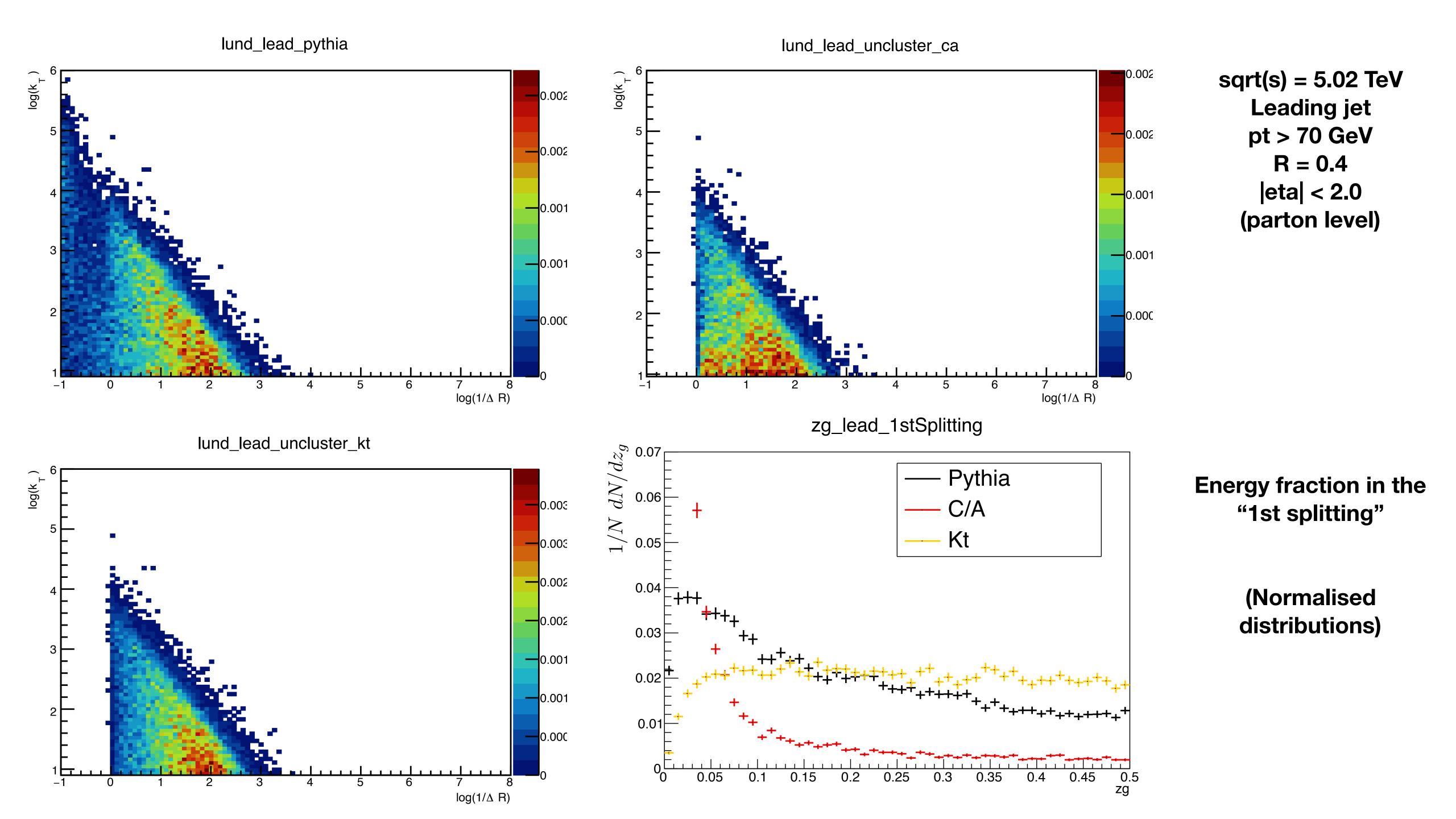
## EMMI - Wednesday morning Lund Planes with Shower history vs Unclustering (Pythia8 parton level)

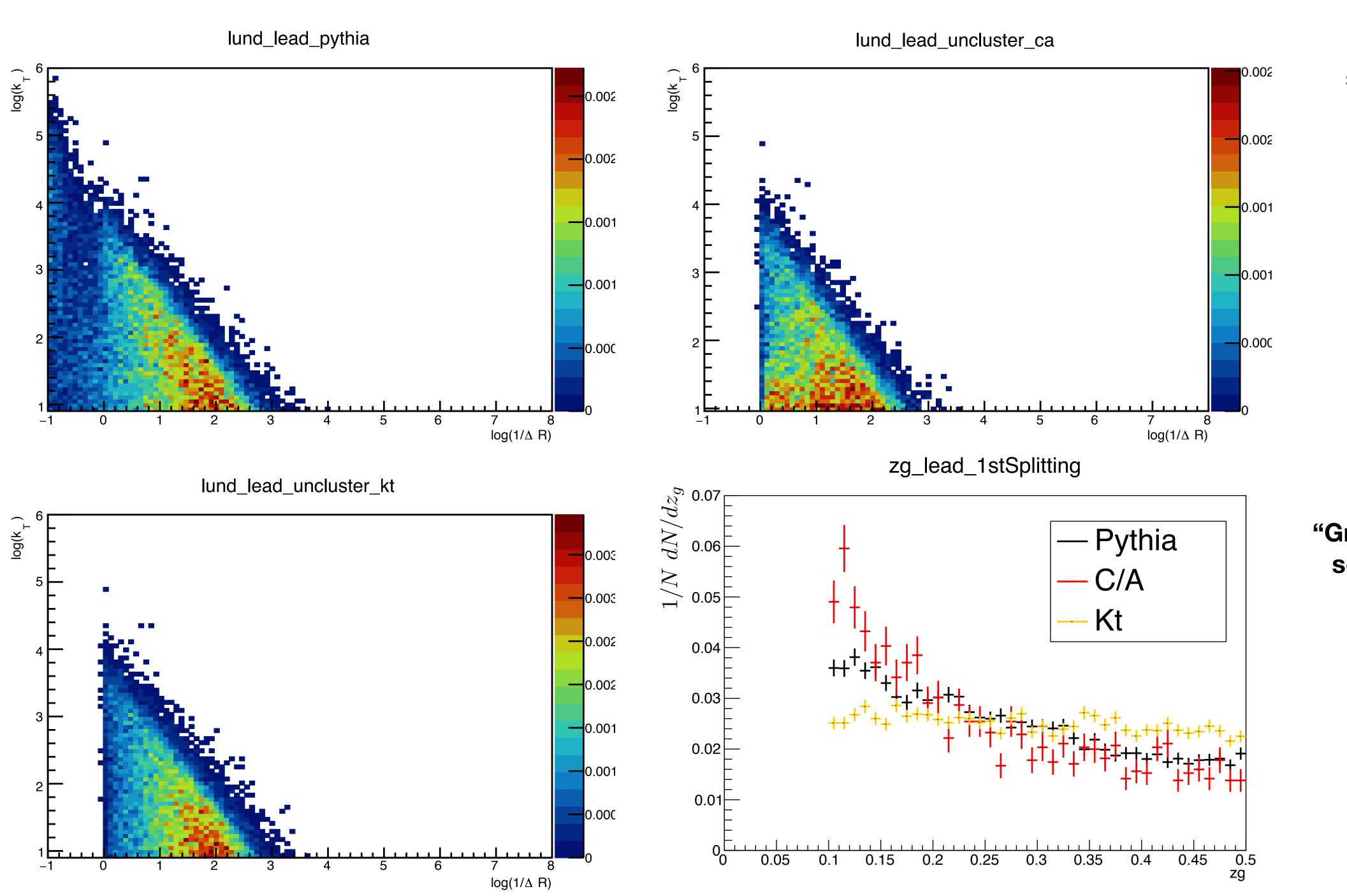








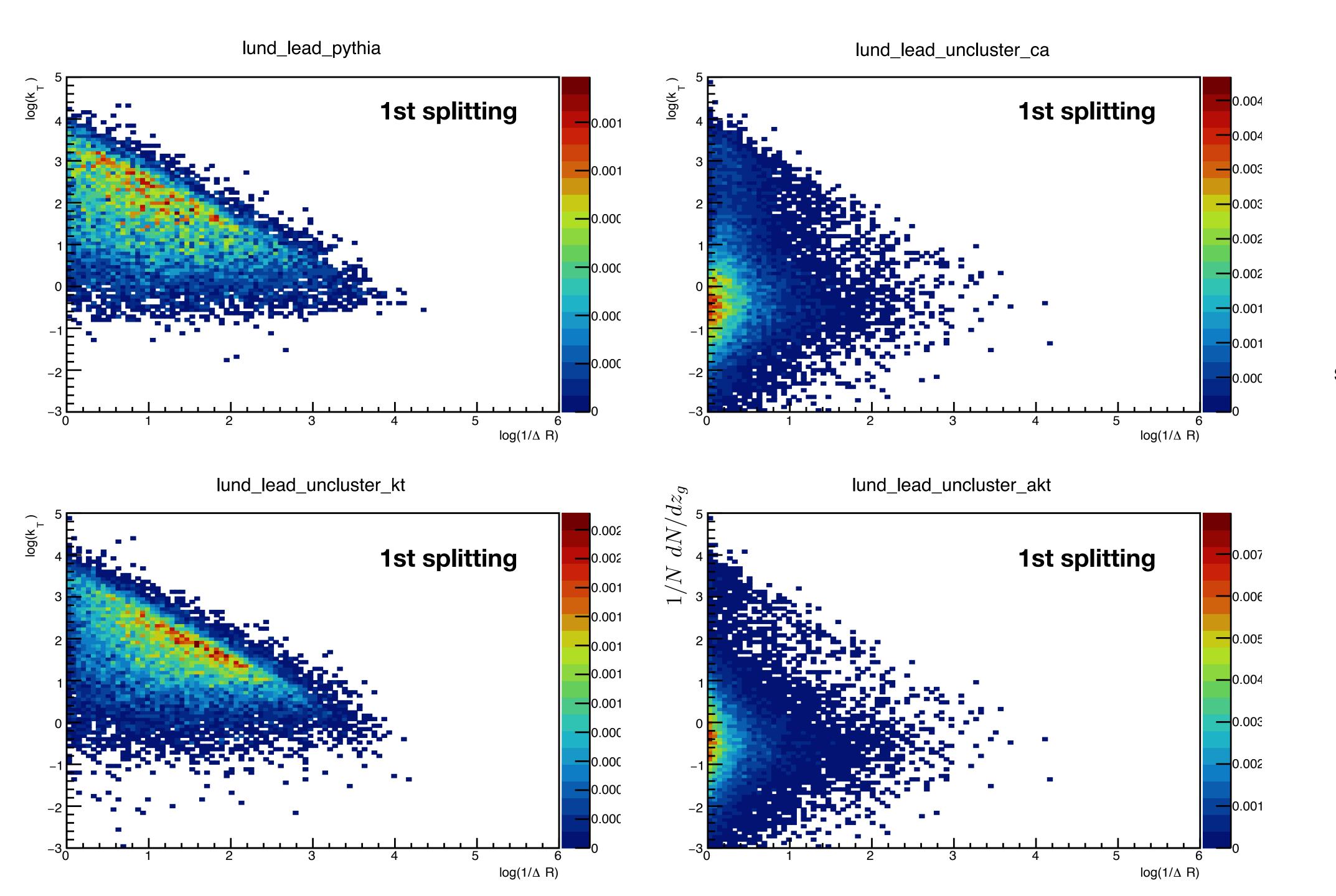




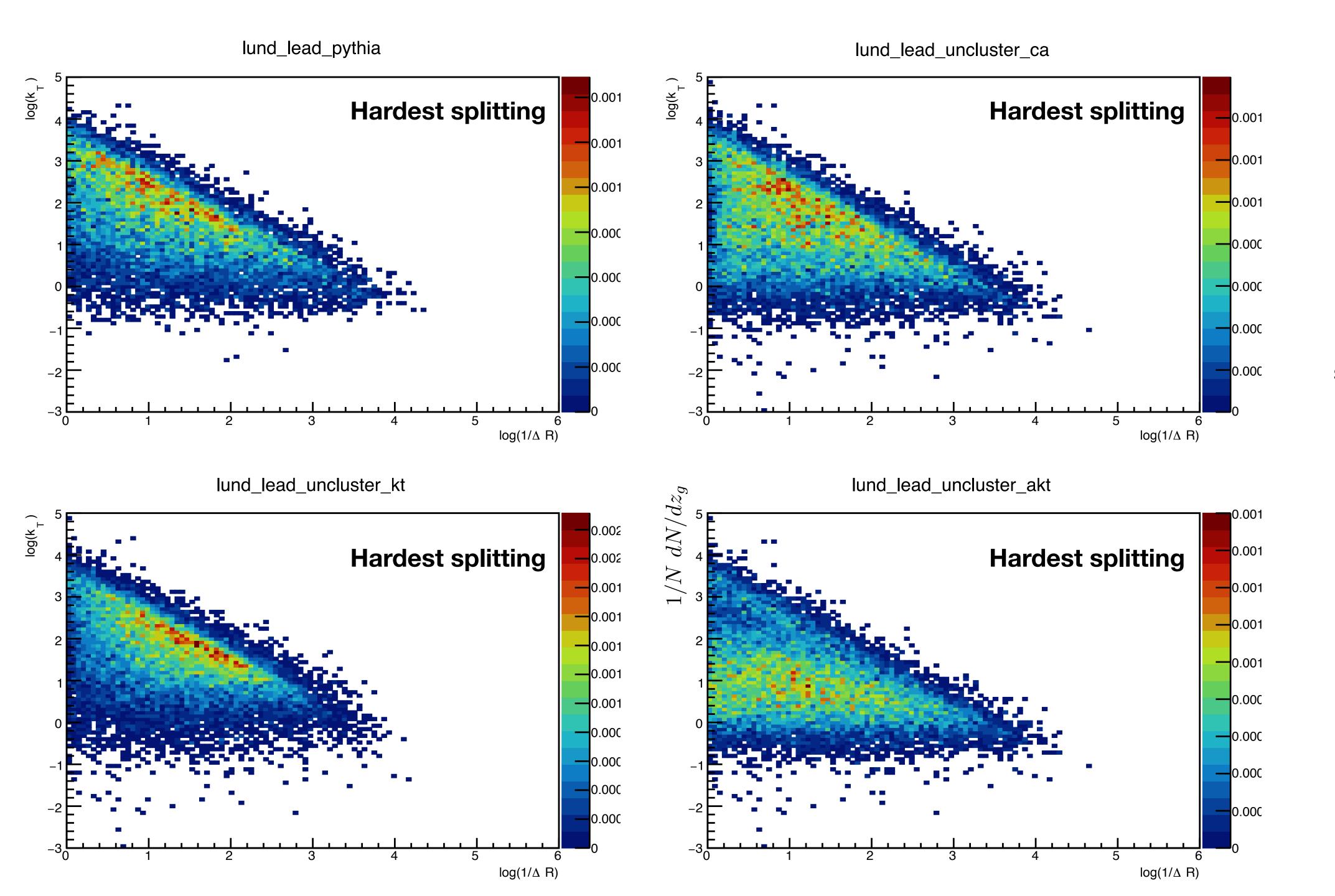
sqrt(s) = 5.02 TeV
Leading jet
pt > 70 GeV
R = 0.4
|eta| < 2.0
(parton level)

"Grooming" away very soft "1st splittings"

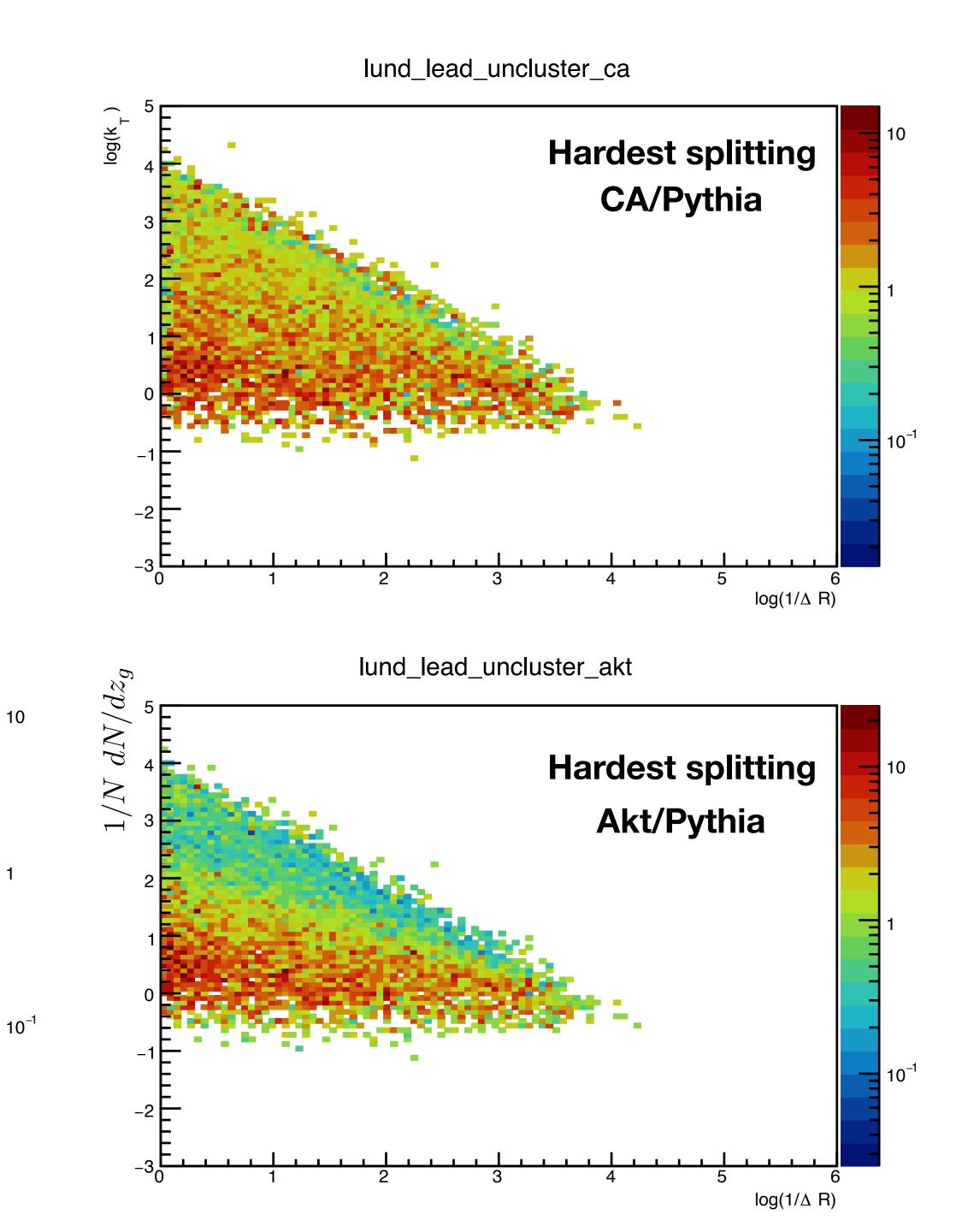
(Normalised distributions)



sqrt(s) = 5.02 TeV
Leading jet
pt > 70 GeV
R = 0.4
|eta| < 2.0
(parton level)



sqrt(s) = 5.02 TeV
Leading jet
pt > 70 GeV
R = 0.4
|eta| < 2.0
(parton level)



lund\_lead\_uncluster\_kt

Hardest splitting

kt/Pythia

 $log(1/\Delta R)$ 

sqrt(s) = 5.02 TeV
Leading jet
pt > 70 GeV
R = 0.4
|eta| < 2.0
(parton level)