0.1 - 10% quarks/ + 10% gluons 0 JER different mixture /JER full sample of conditions of co + 10% quarks/ - 10% gluons $1.7 < |\eta^{\text{Jet}}| < 2.3$ 0 0 0 -0.06 -0.08 -0.1 100 200 300 400 500 600

Relative Flavor Uncertainty