Softdrop @ NLL, 1704.02210 $p_{_{T}} = 500$ GeV, $z_{_{cut}} = 0.1$, $\alpha_{_{S}} = 0.1$, $f_{_{g,1}} = 80\%$, $f_{_{g,2}} = 20\%$, 100k events p(alpha_s) **Unknown Combined** 0.06 Known Gluon 0.05 Known Quark 0.04 0.03 0.02 0.01

0.05 0.06 0.07 0.08 0.09 0.1 0.11 0.12 0.13 0.14 0.15

 α_{s}