$p_{_{T}}$ = 500 GeV, sum over $z_{_{cut}}$, β , $f_{_{g,1}}$ = 80%, $f_{_{g,2}}$ = 20%, 100k events p(alpha_s) 0.6 **Unknown Combined** 0.5 Known Gluon Known Quark 0.4 0.3 0.2 0.1 0.05 0.06 0.07 0.08 0.09 0.11 0.12 0.13 0.14 0.15 0.1 α_{s}

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