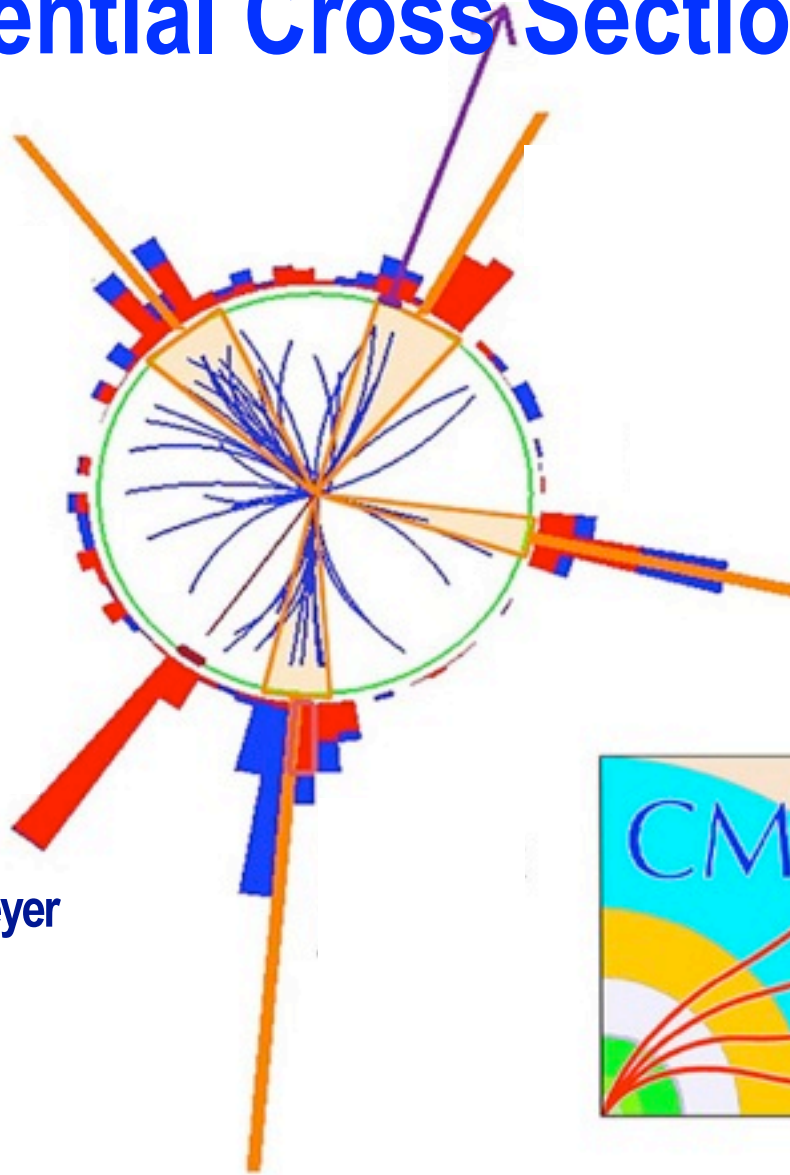


Description of Top Quark Differential Cross Sections



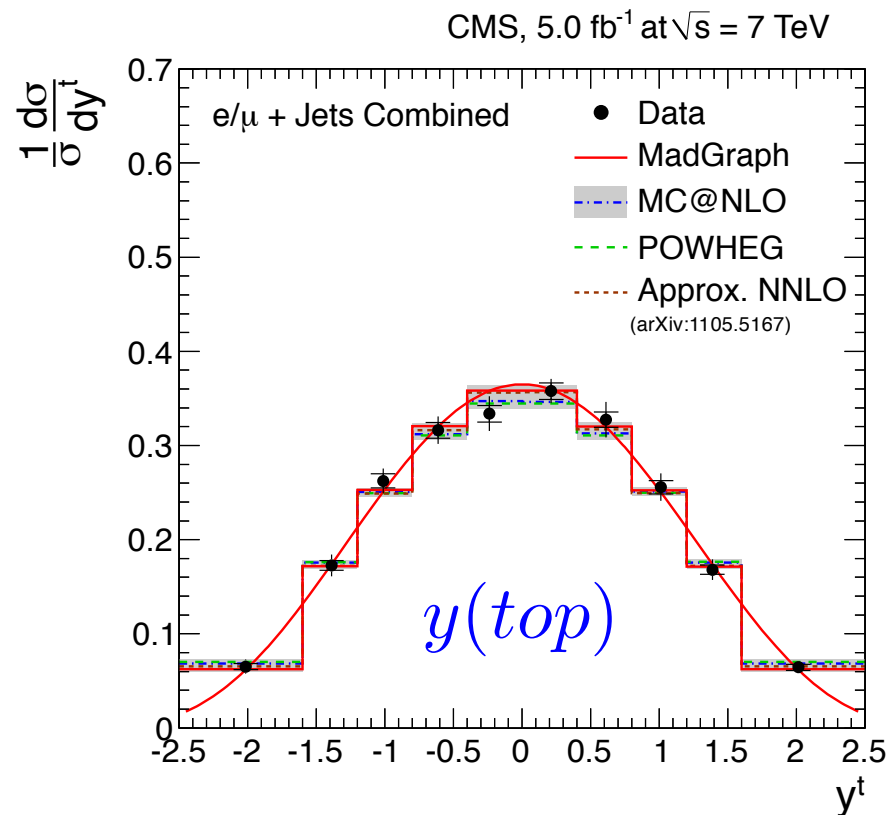
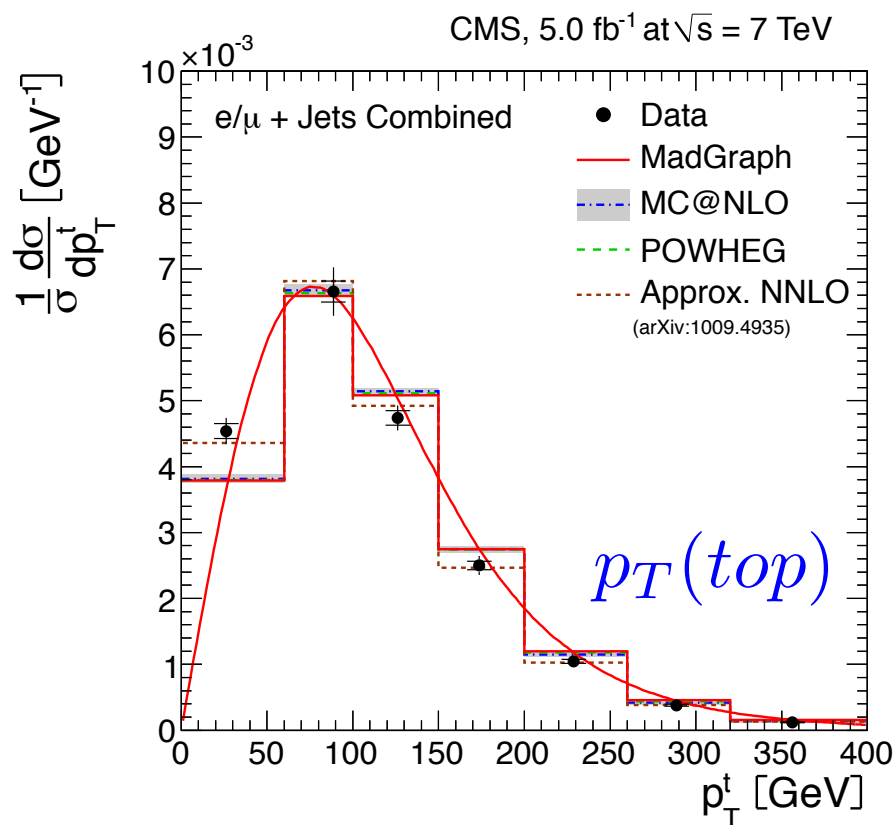
Andreas B. Meyer
DESY
23. May 2013





Top Quark Distributions at 7 TeV

EPJC 73(2013) 2339 [arXiv:1211.2220]

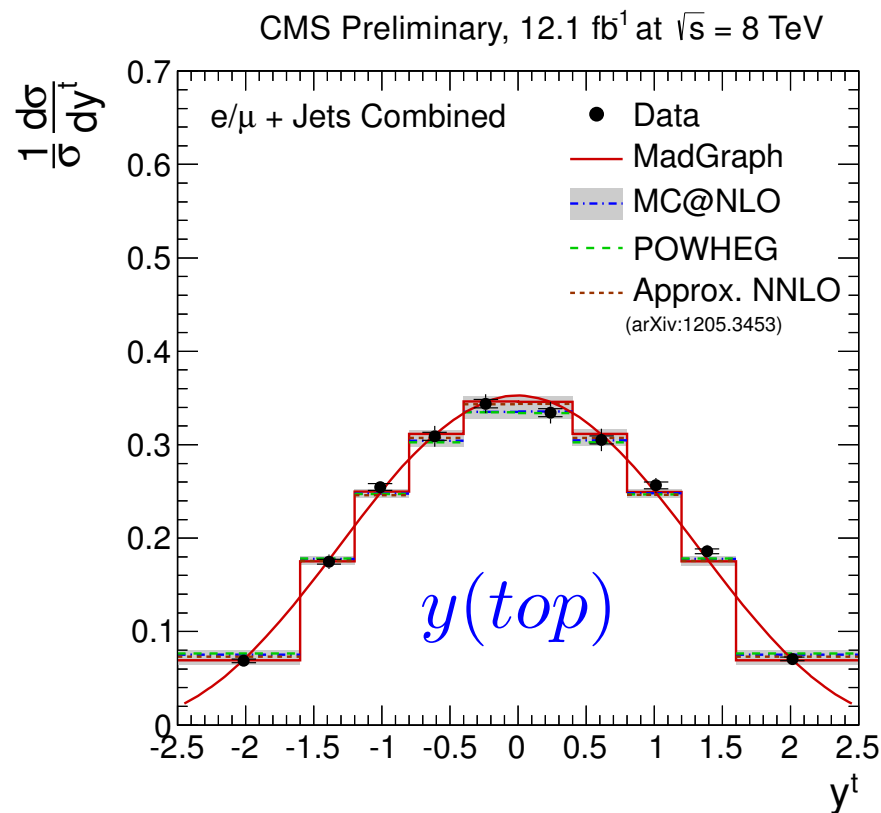
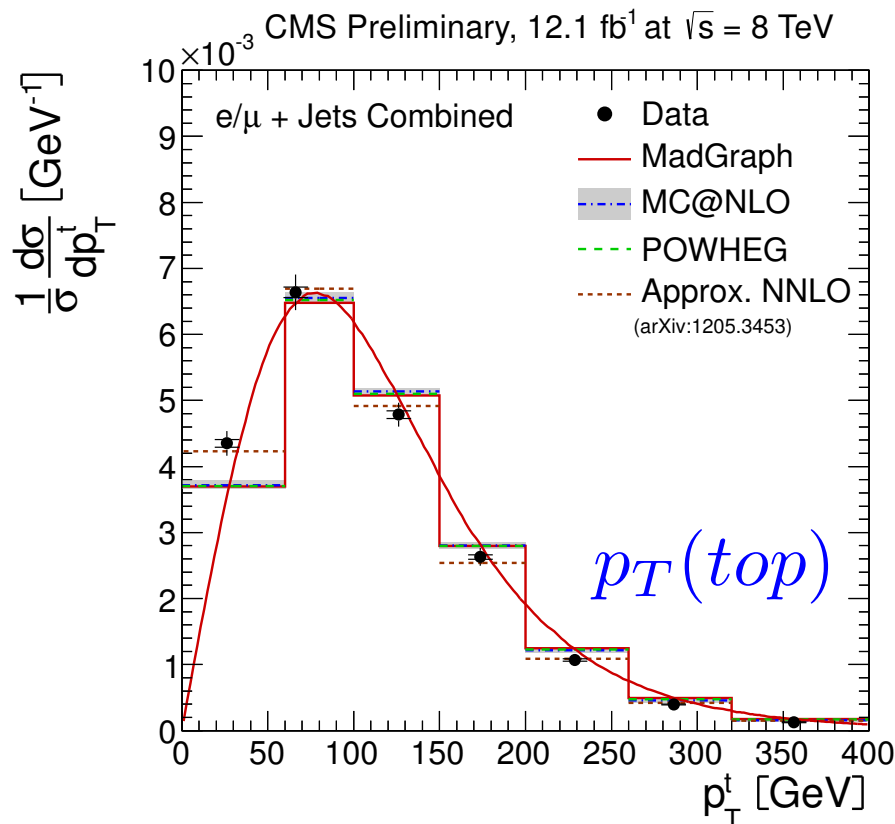


Generally good description by all predictions - approx. NNLO better than MC (NLO and multi-leg)



Top Quark Distributions at 8 TeV

CMS-12-027, CMS-12-028



Generally good description by all predictions - approx. NNLO better than MC (NLO and multi-leg)

$pp \rightarrow t\bar{t}$ at LHC $\sqrt{S}=7$ TeV $m=173$ GeV

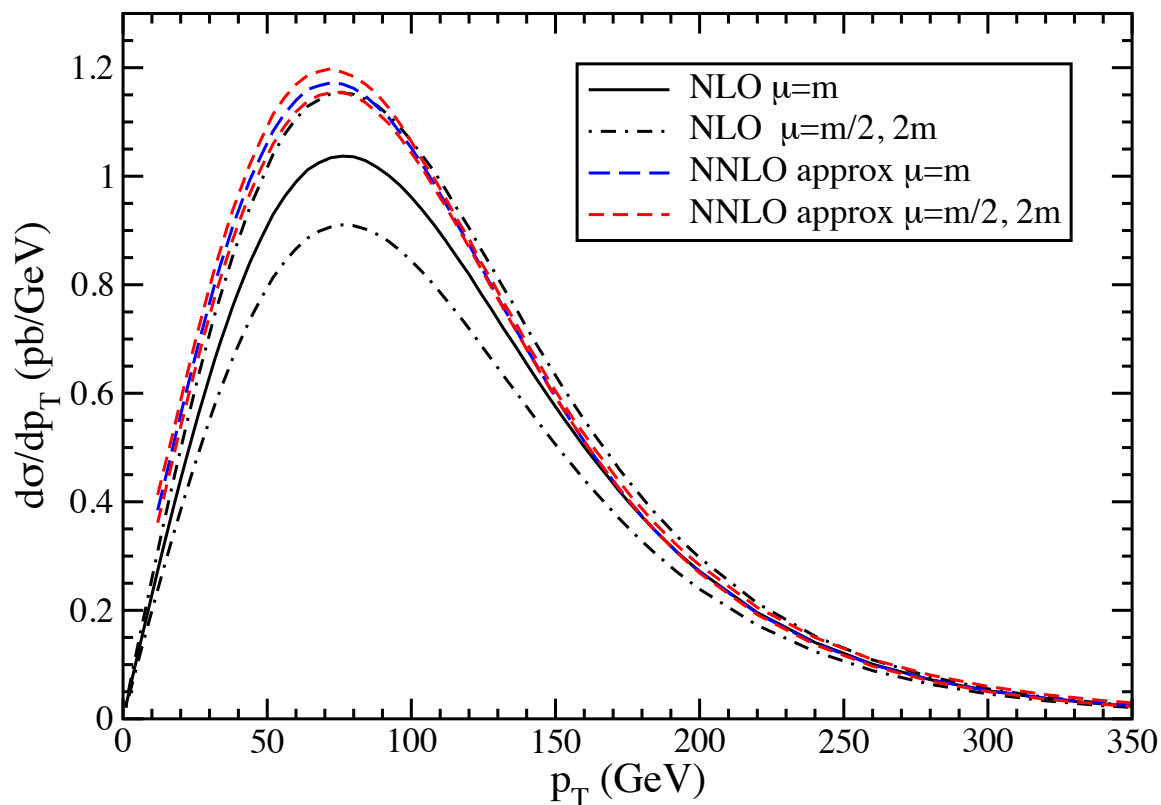


Figure 11: The top quark p_T distribution at the LHC with $\sqrt{S} = 7$ TeV and $m = 173$ GeV.

N.Kidonakis arXiv:1009.4935 [hep-ph]



Discussion