

# *W+n jets: Comparing Rates*

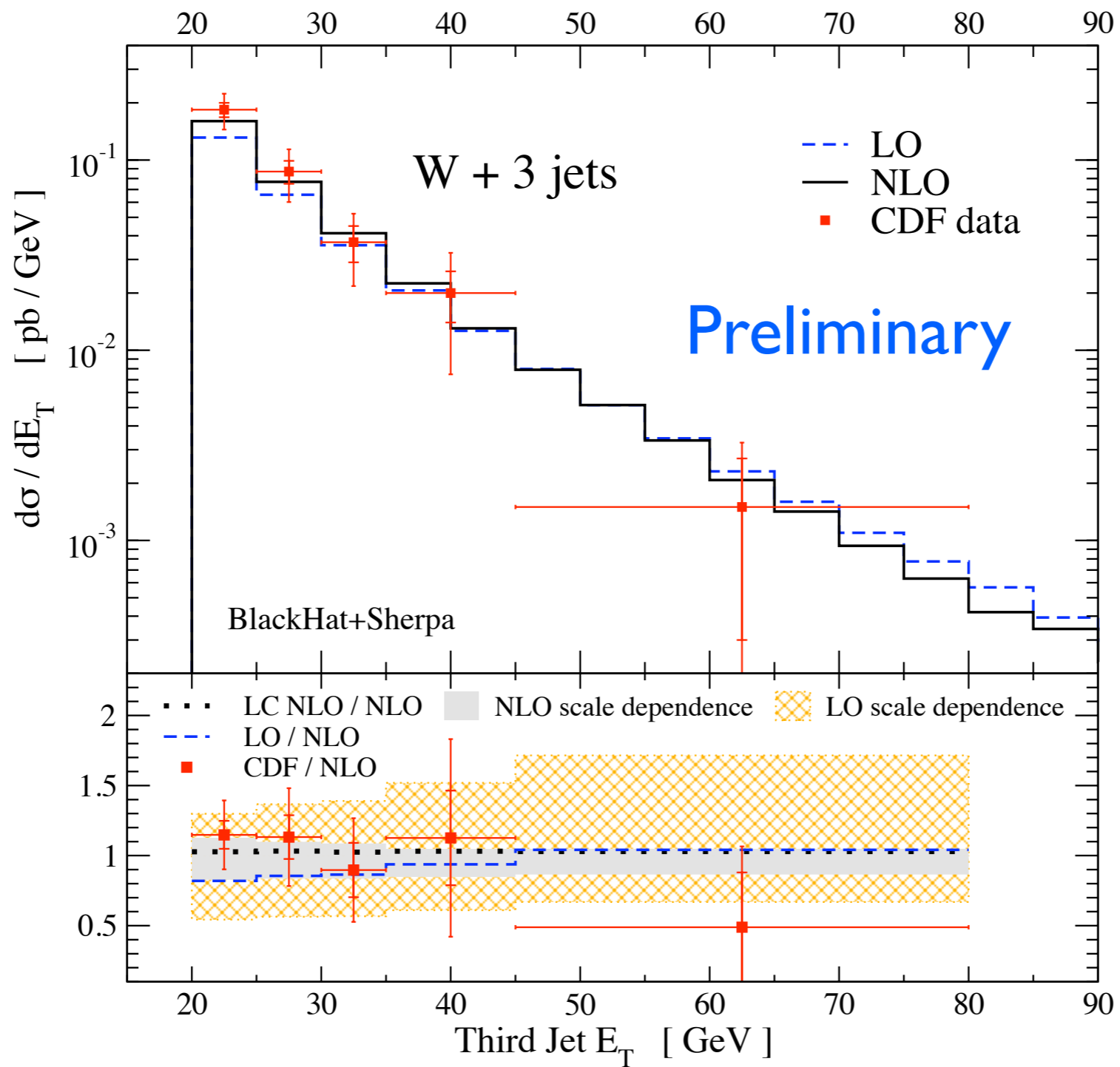
number of jets	CDF	LC NLO	NLO
1	$53.5 \pm 5.6$	$58.3^{+4.6}_{-4.6}$	$57.8^{+4.4}_{-4.0}$
2	$6.8 \pm 1.1$	$7.81^{+0.54}_{-0.91}$	$7.62^{+0.62}_{-0.86}$
3	$0.84 \pm 0.24$	$0.908^{+0.044}_{-0.142}$	$0.882(5)^{+0.057}_{-0.138}$

PRELIMINARY

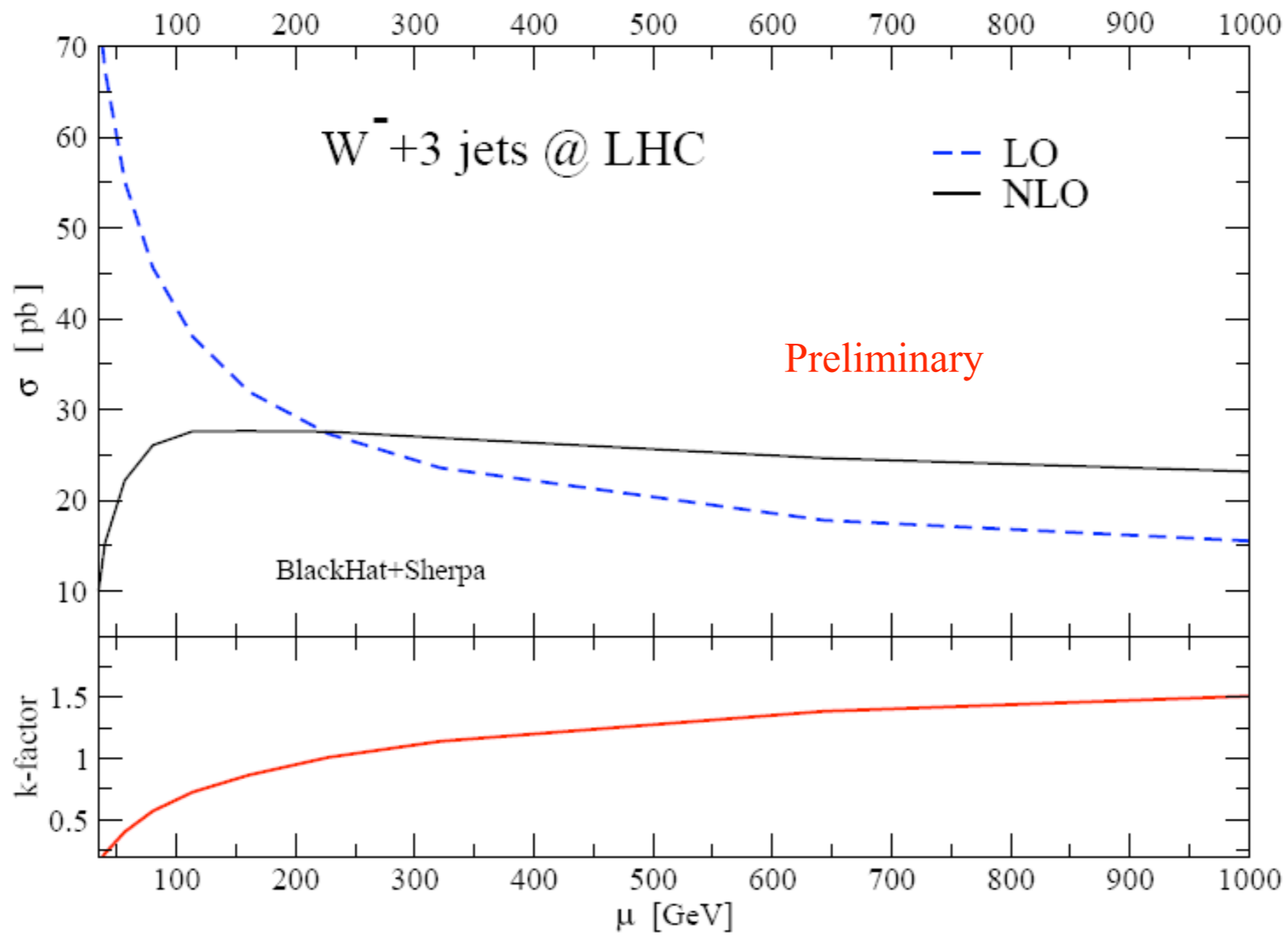
## *Reduction in Scale Dependence*

Number of jets	LO	NLO
1	16%	7%
2	30%	10%
3	42%	12%

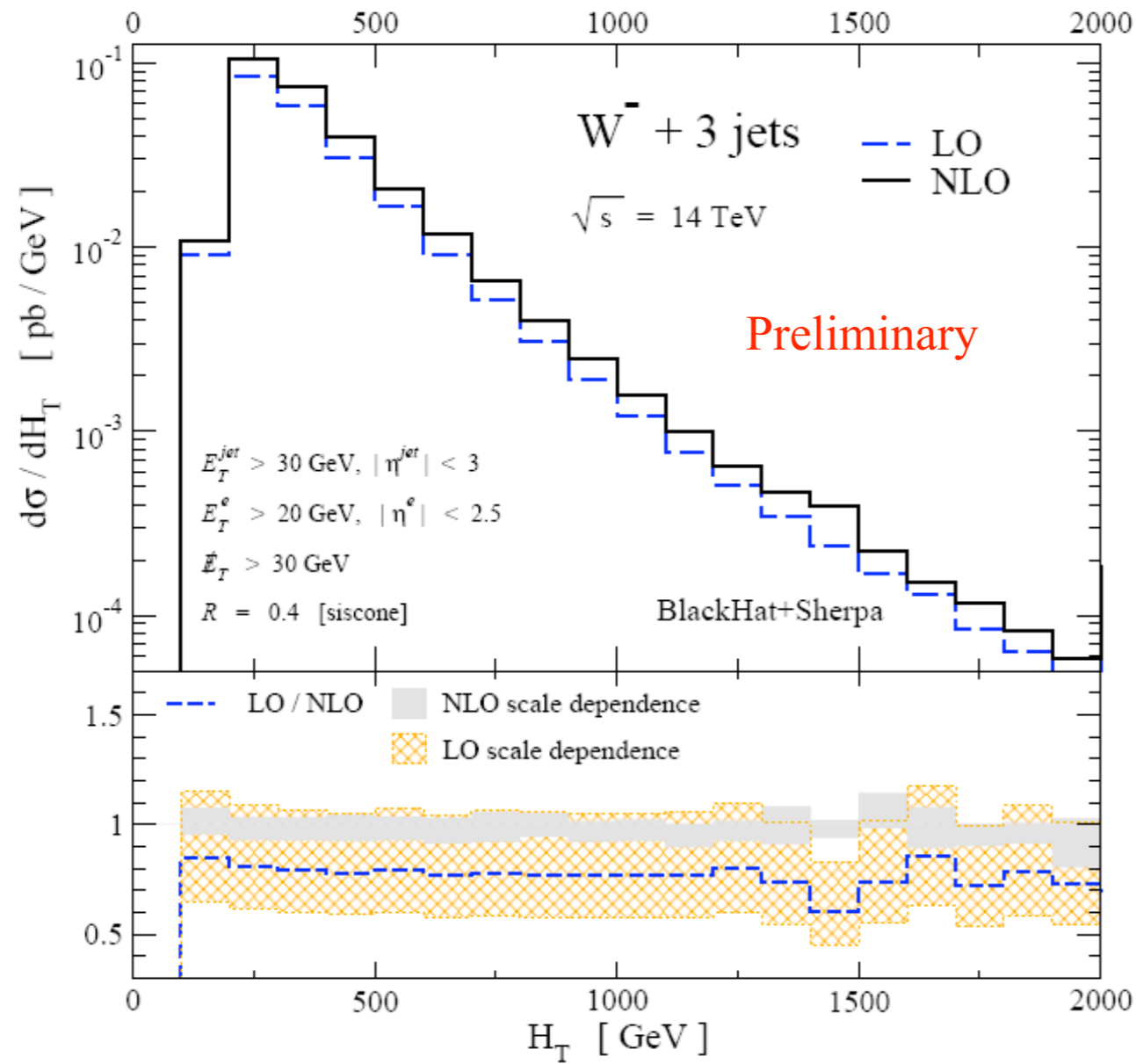




# LHC total cross section

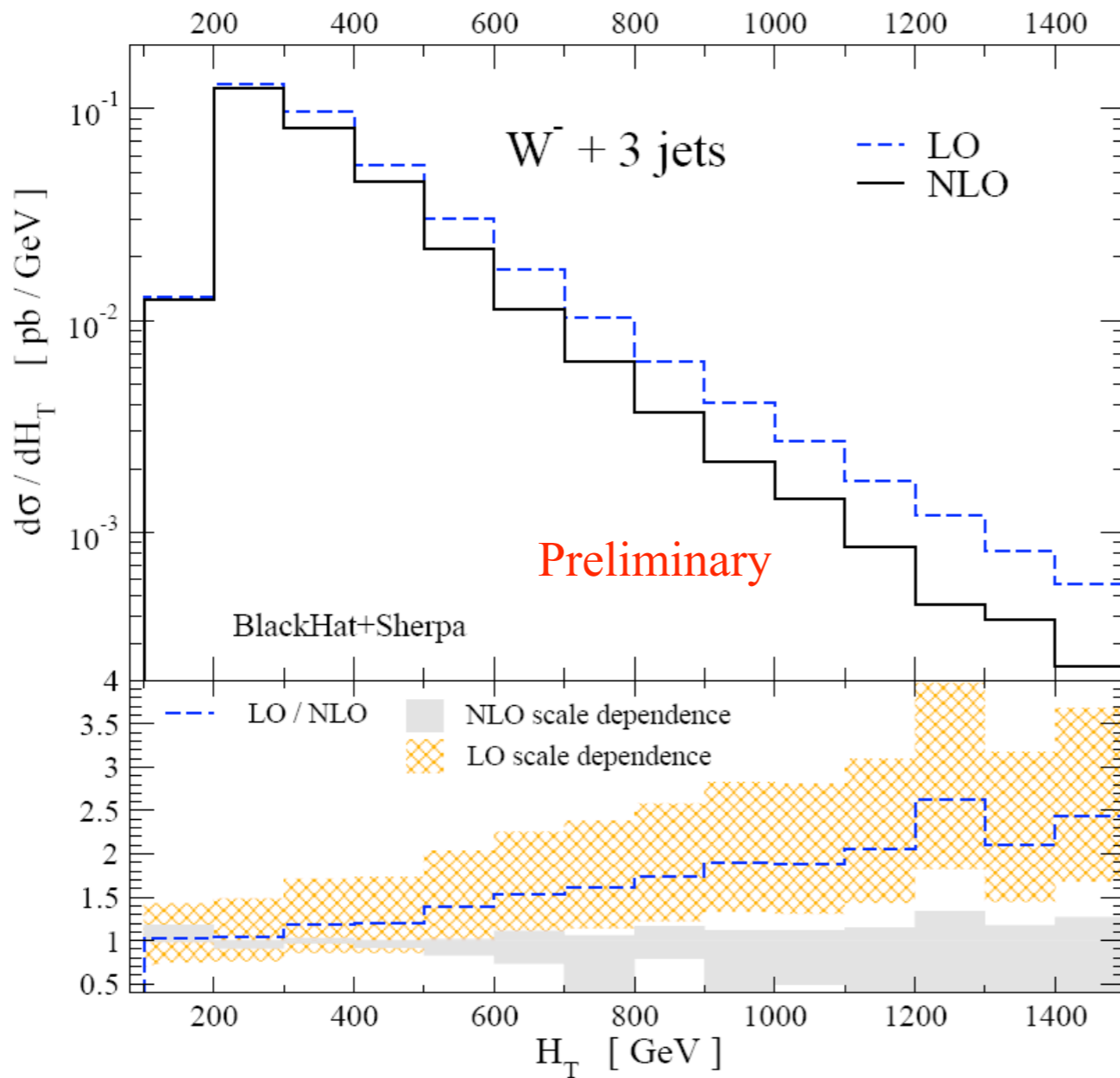


$$H_T = \sum_j E_{T,j}^{\text{jet}} + E_T^e + \cancel{E}_T \quad \text{distribution}$$



$\mu = H_T$

$$H_T = \sum_j E_{T,j}^{\text{jet}} + E_T^{e^-} + \cancel{E}_T \quad \text{distribution}$$



$$\mu = \sqrt{M_W^2 + p_T^2(W)}$$