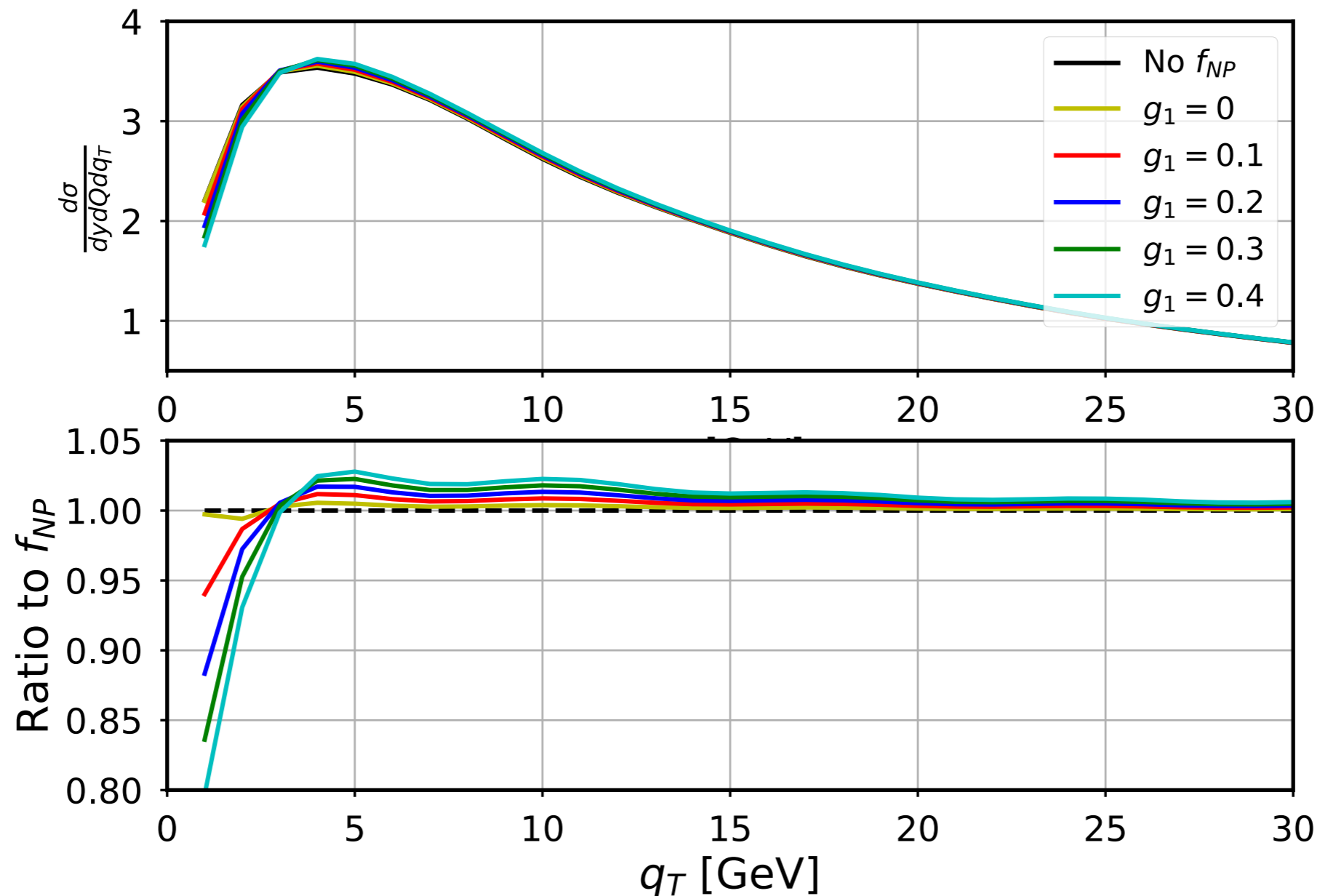


Size of non-perturbative effects

$\sqrt{s} = 13$ TeV, $Q = M_Z$, $y = 0$, (NangaParbat/APFEL++)



$$f_{NP} = \exp(-(g_1 + g_2 \log(Q^2/Q_0^2))b^2)$$

$g_2 = 0.035$ GeV² (Pavia fit, JHEP 1706, 081 (2017))

Impact on the determination of M_W

	ΔM_{W^+}			ΔM_{W^-}		
Set	m_T	$p_{T\ell}$	$p_{T\nu}$	m_T	$p_{T\ell}$	$p_{T\nu}$
1	0	-1	-2	-2	3	-3
2	0	-6	0	-2	0	-5
3	-1	9	0	-2	4	-10
4	0	0	-2	-2	-4	-10
5	0	4	1	-1	-3	-6
6	1	0	2	-1	4	-4
7	2	-1	2	-1	0	-8
8	0	2	8	1	7	8
9	0	4	-3	-1	0	7

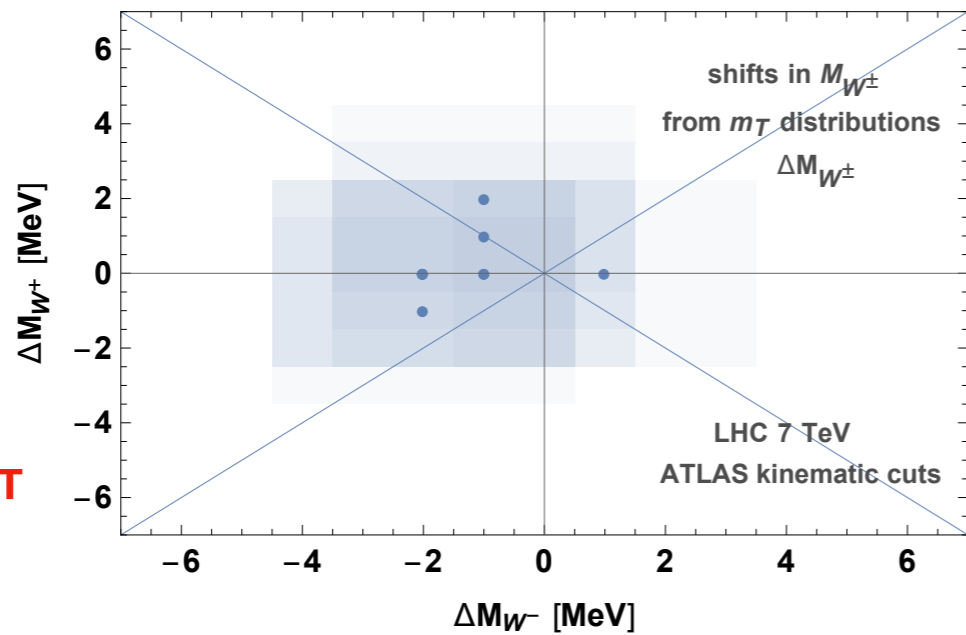
TABLE I: ATLAS 7 TeV

	ΔM_{W^+}			ΔM_{W^-}		
Set	m_T	$p_{T\ell}$	$p_{T\nu}$	m_T	$p_{T\ell}$	$p_{T\nu}$
1	-1	-5	7	-1	-3	8
2	-1	-15	6	0	5	10
3	-1	1	8	-1	-7	5
4	-1	-15	6	0	-4	5
5	-1	-4	6	-1	-7	5
6	-1	-5	7	0	2	9
7	-1	-15	6	-1	-6	5
8	-1	0	8	0	3	10
9	-1	-7	7	0	4	10

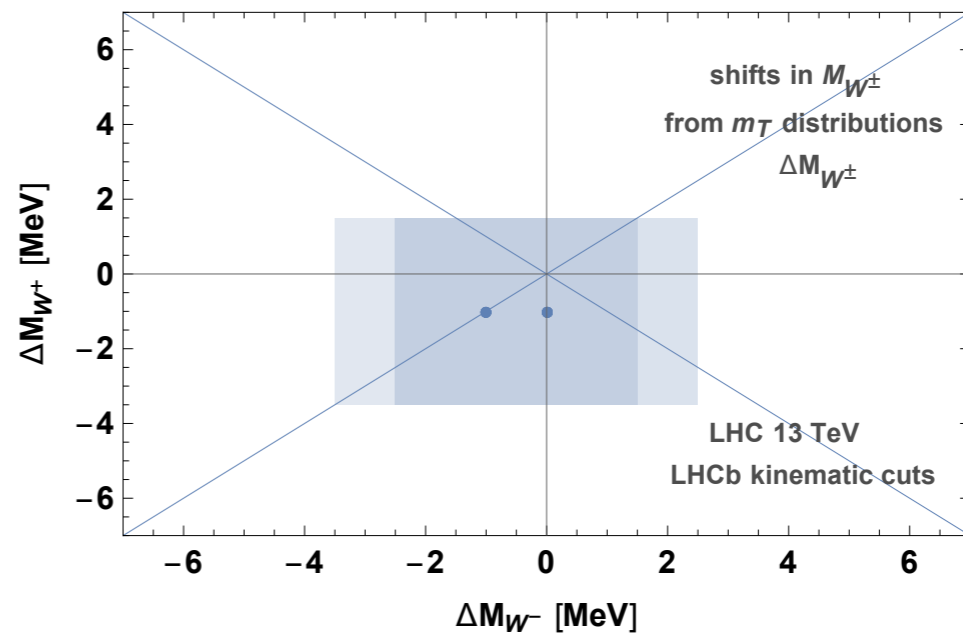
TABLE II: LHCb 13 TeV

Set	u_ν	d_ν	u_s	d_s	s
1	0.34	0.26	0.46	0.59	0.32
2	0.34	0.46	0.56	0.32	0.51
3	0.55	0.34	0.33	0.55	0.30
4	0.53	0.49	0.37	0.22	0.52
5	0.42	0.38	0.29	0.57	0.27
6	0.40	0.52	0.46	0.54	0.21
7	0.22	0.21	0.40	0.46	0.49
8	0.53	0.31	0.59	0.54	0.33
9	0.46	0.46	0.58	0.40	0.28

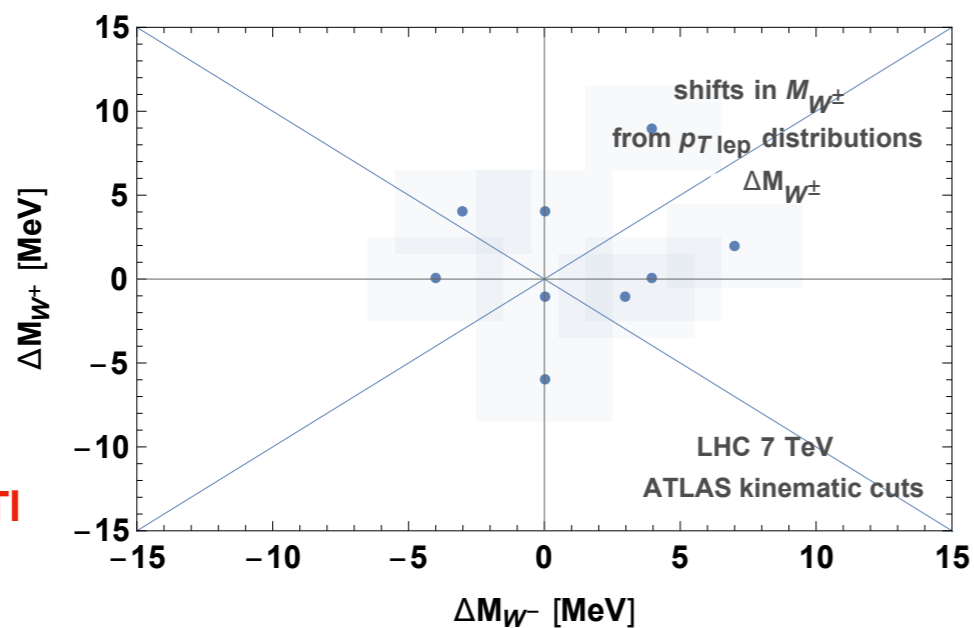
ATLAS m_T



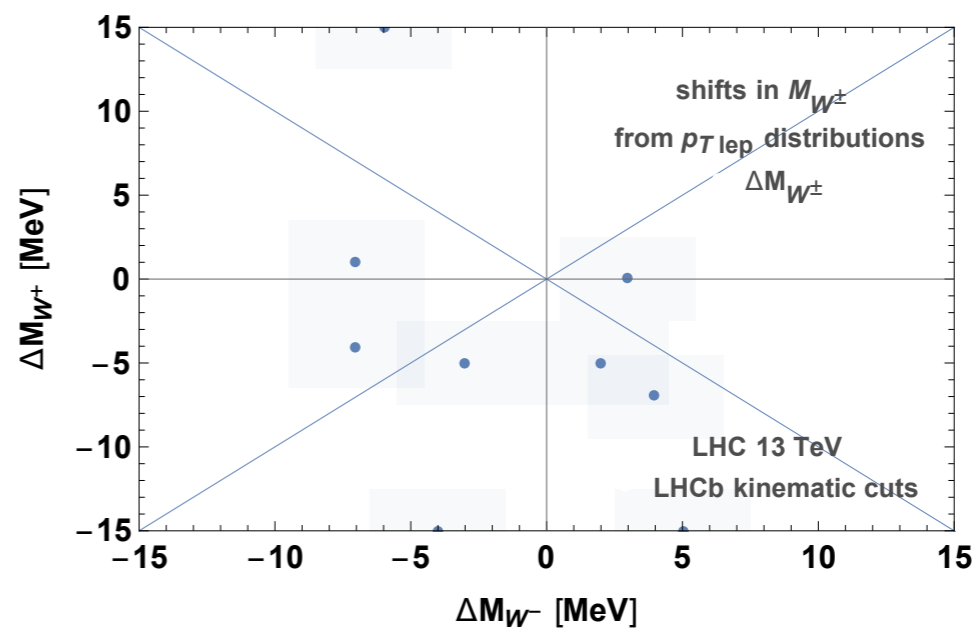
LHCb m_T



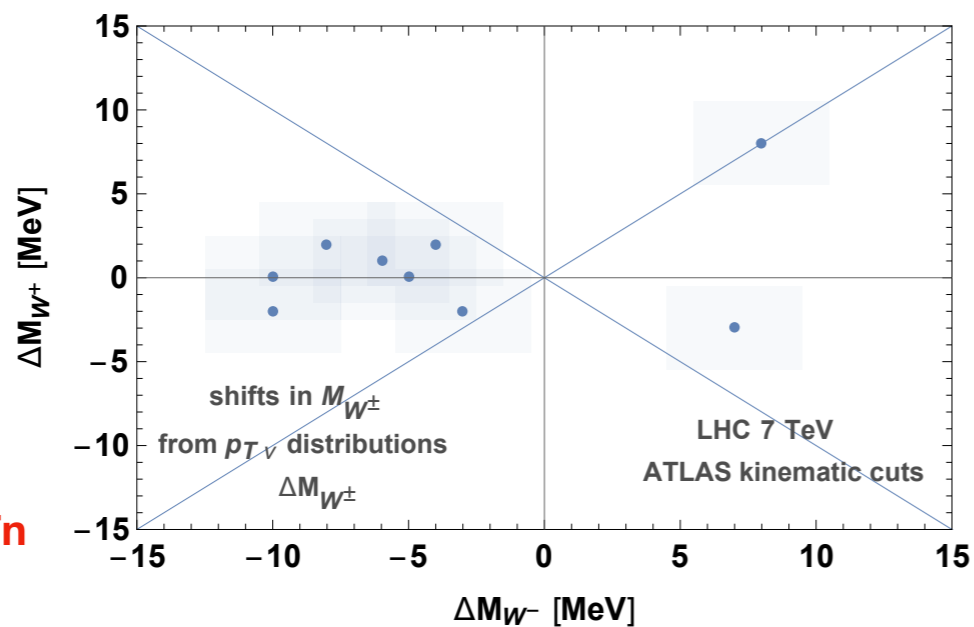
ATLAS p_{Tl}



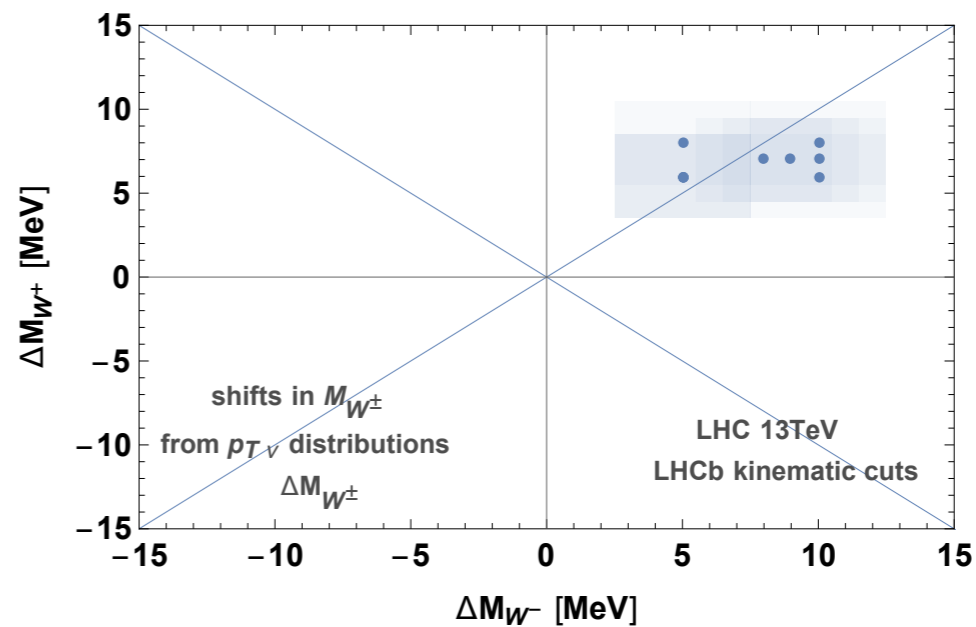
LHCb p_{Tl}



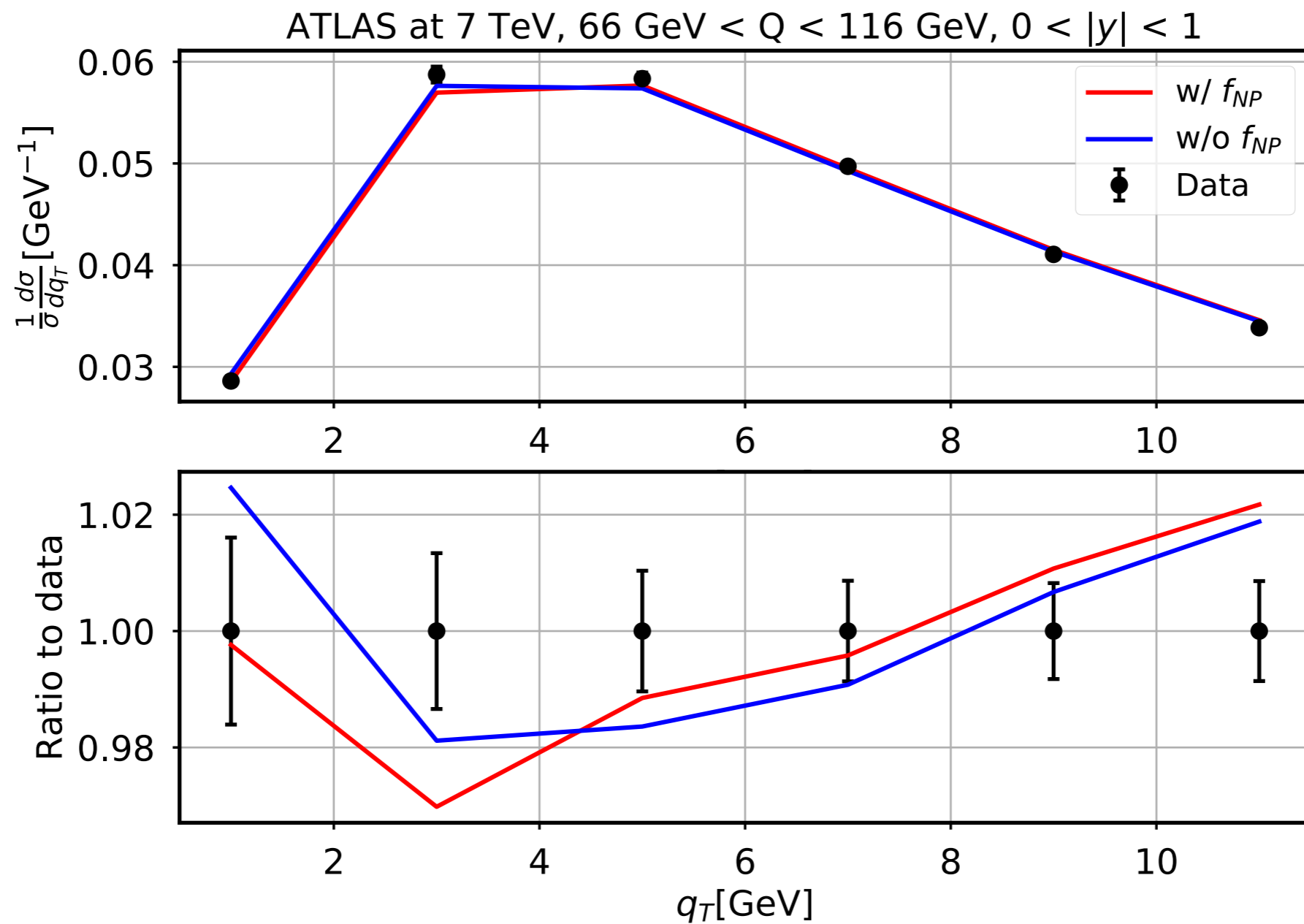
ATLAS p_{Tv}



LHCb p_{Tv}

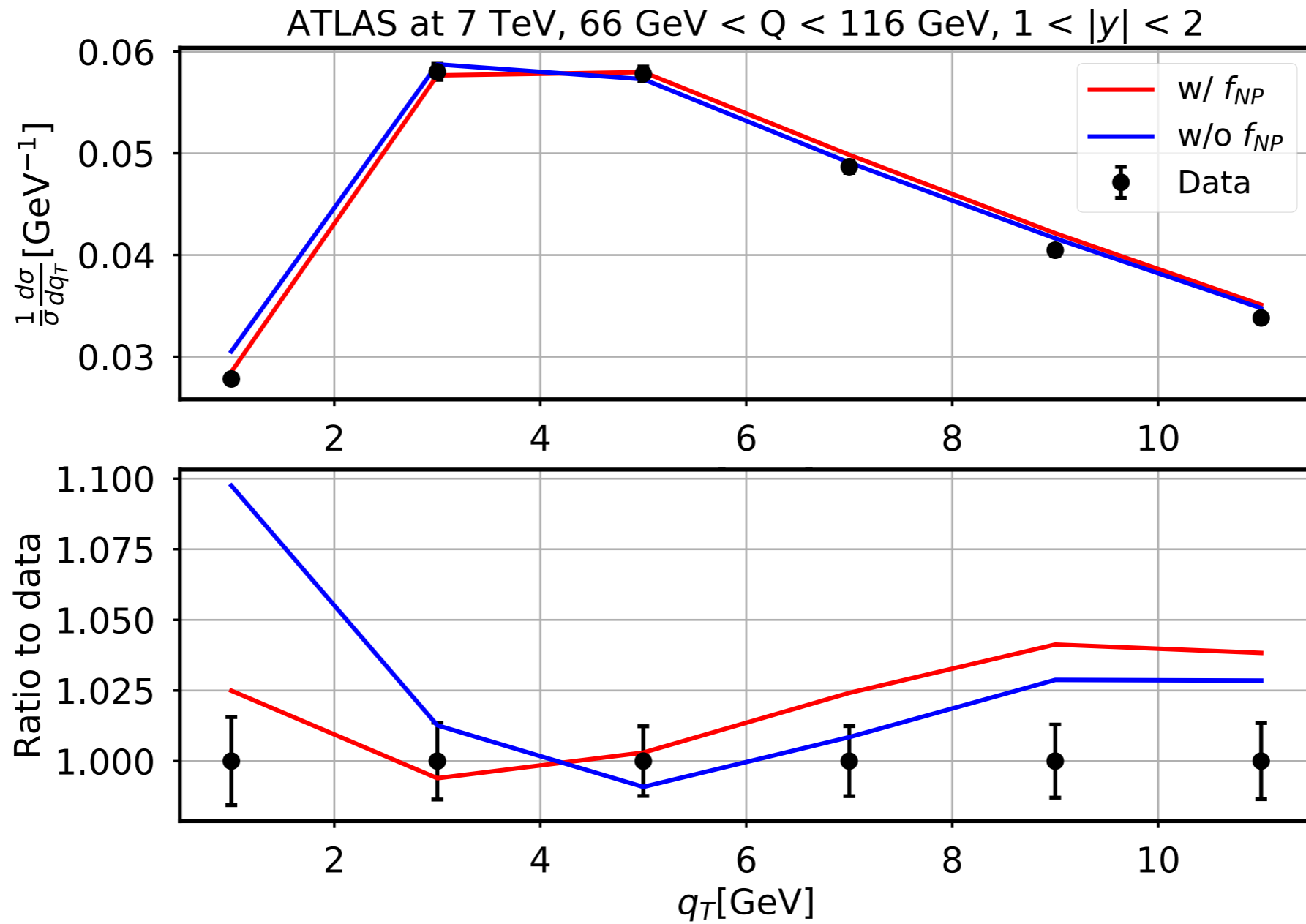


Size of non-perturbative effects



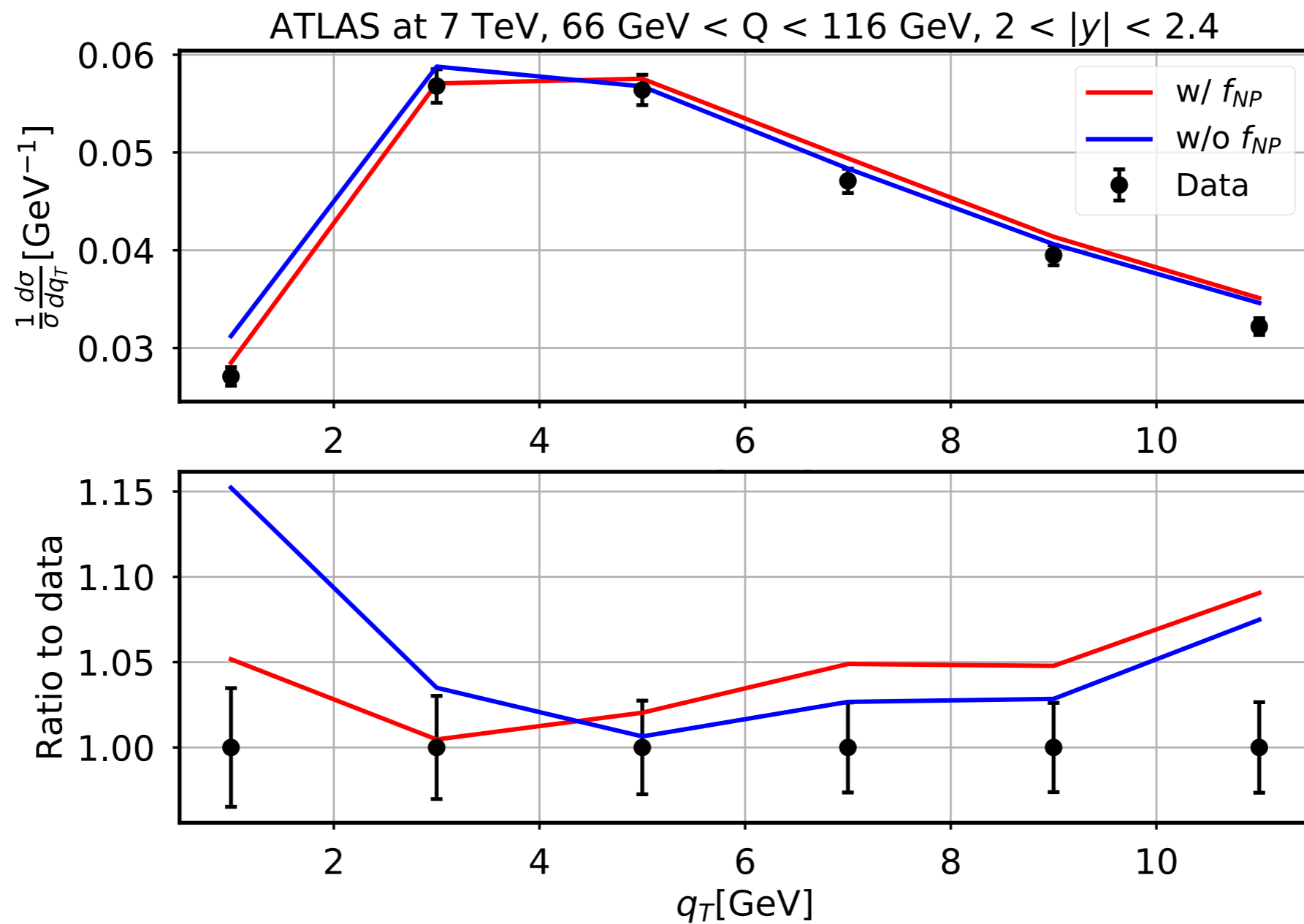
VERY preliminary

Size of non-perturbative effects



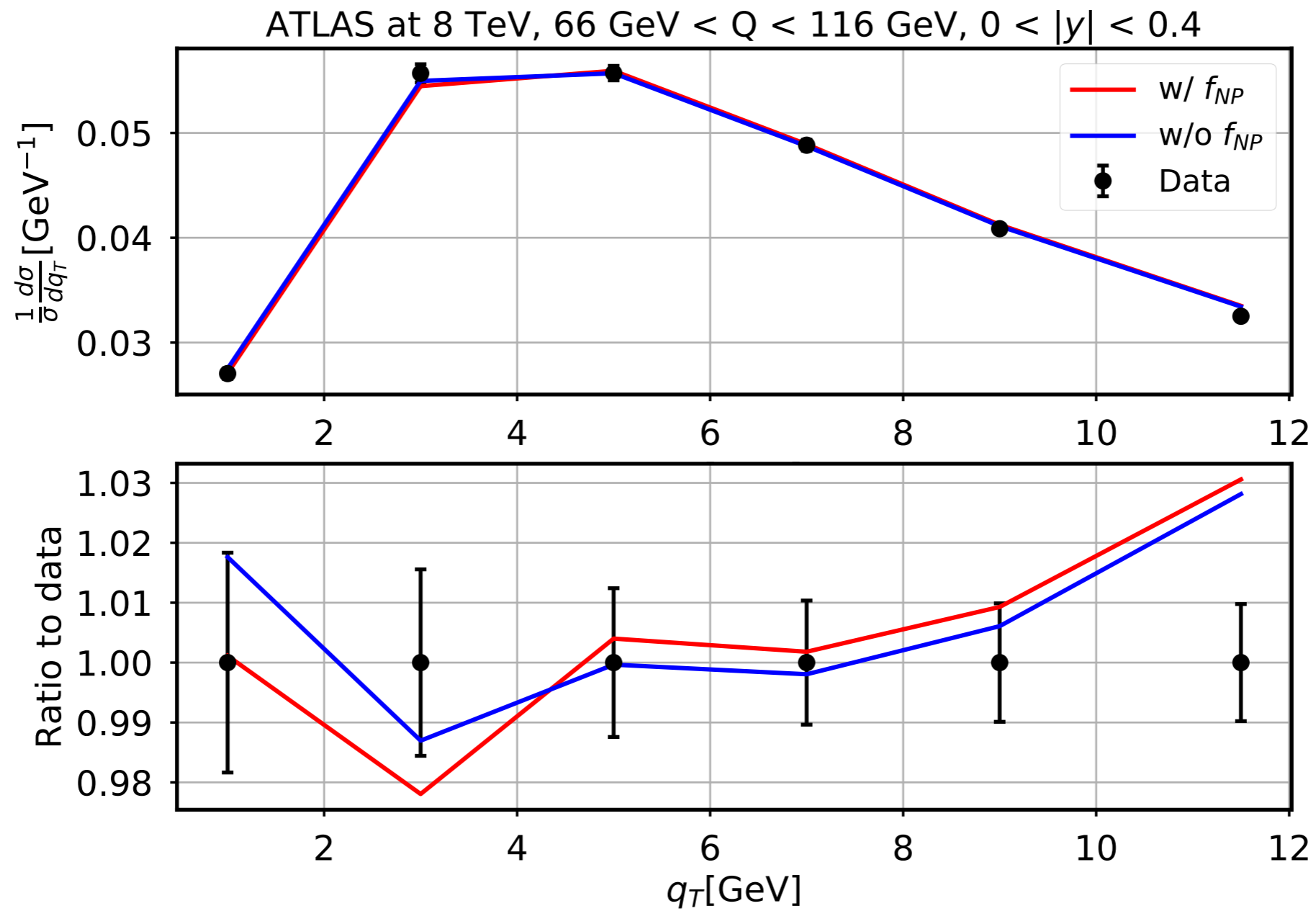
VERY preliminary

Size of non-perturbative effects



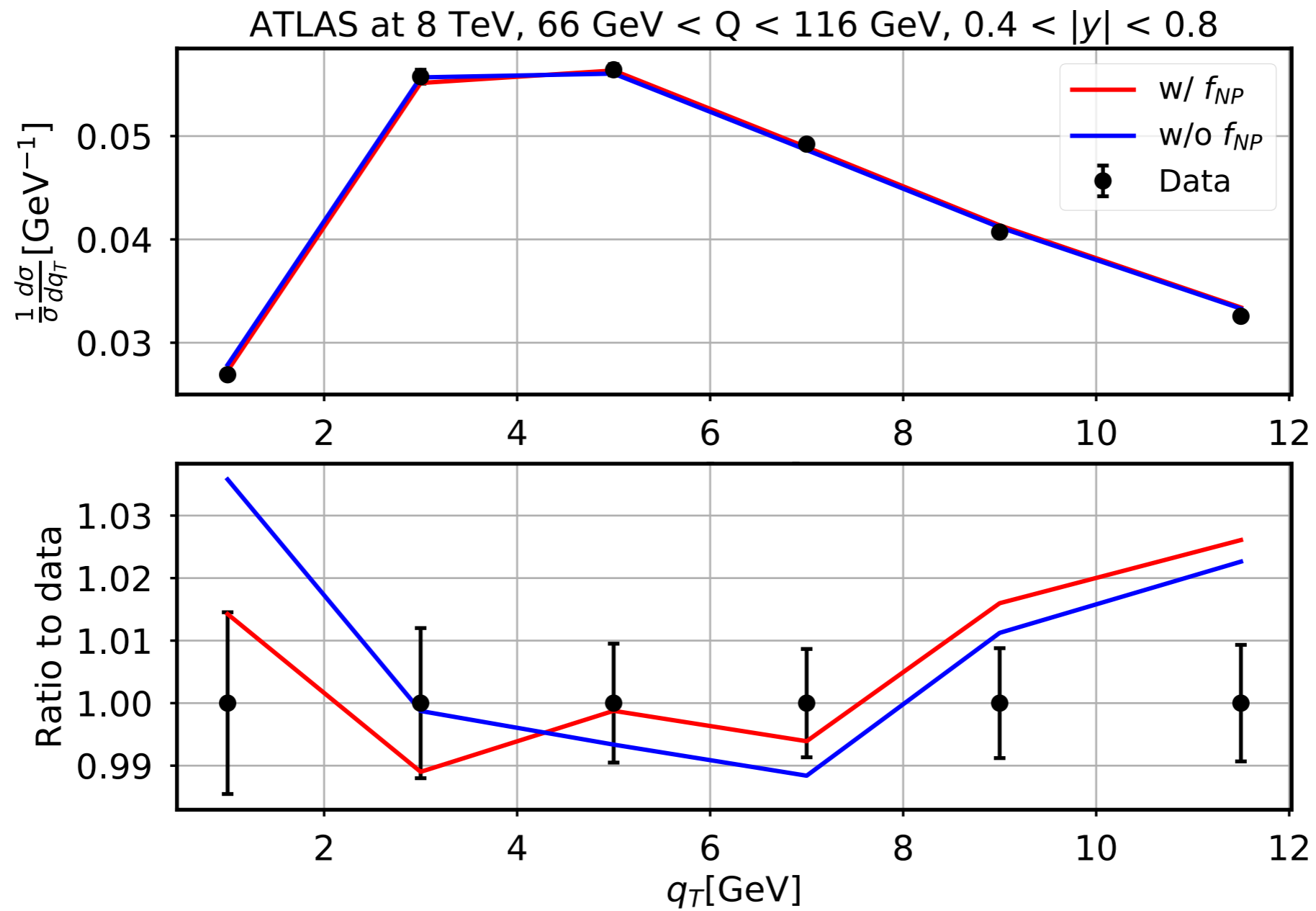
VERY preliminary

Size of non-perturbative effects



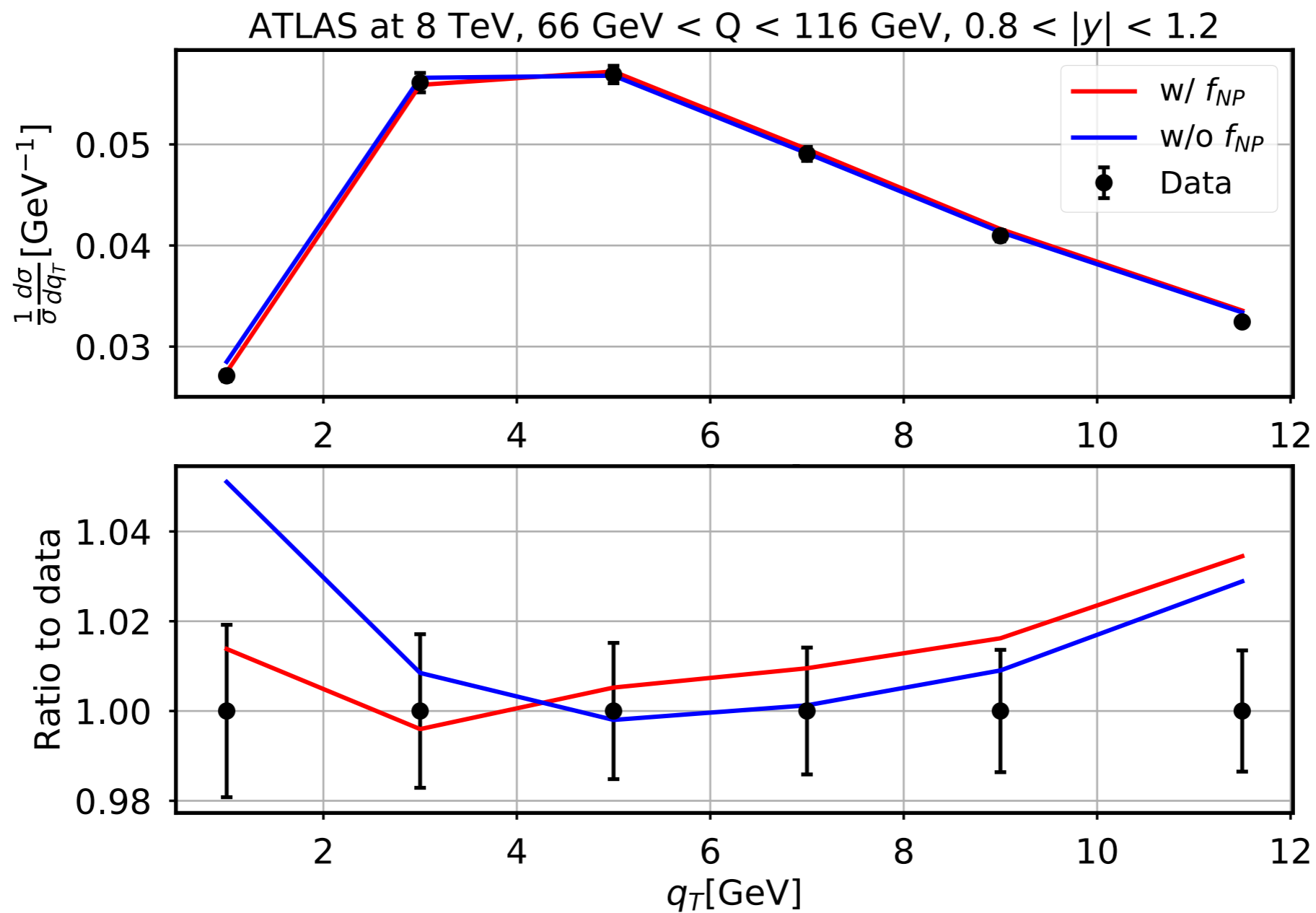
VERY preliminary

Size of non-perturbative effects



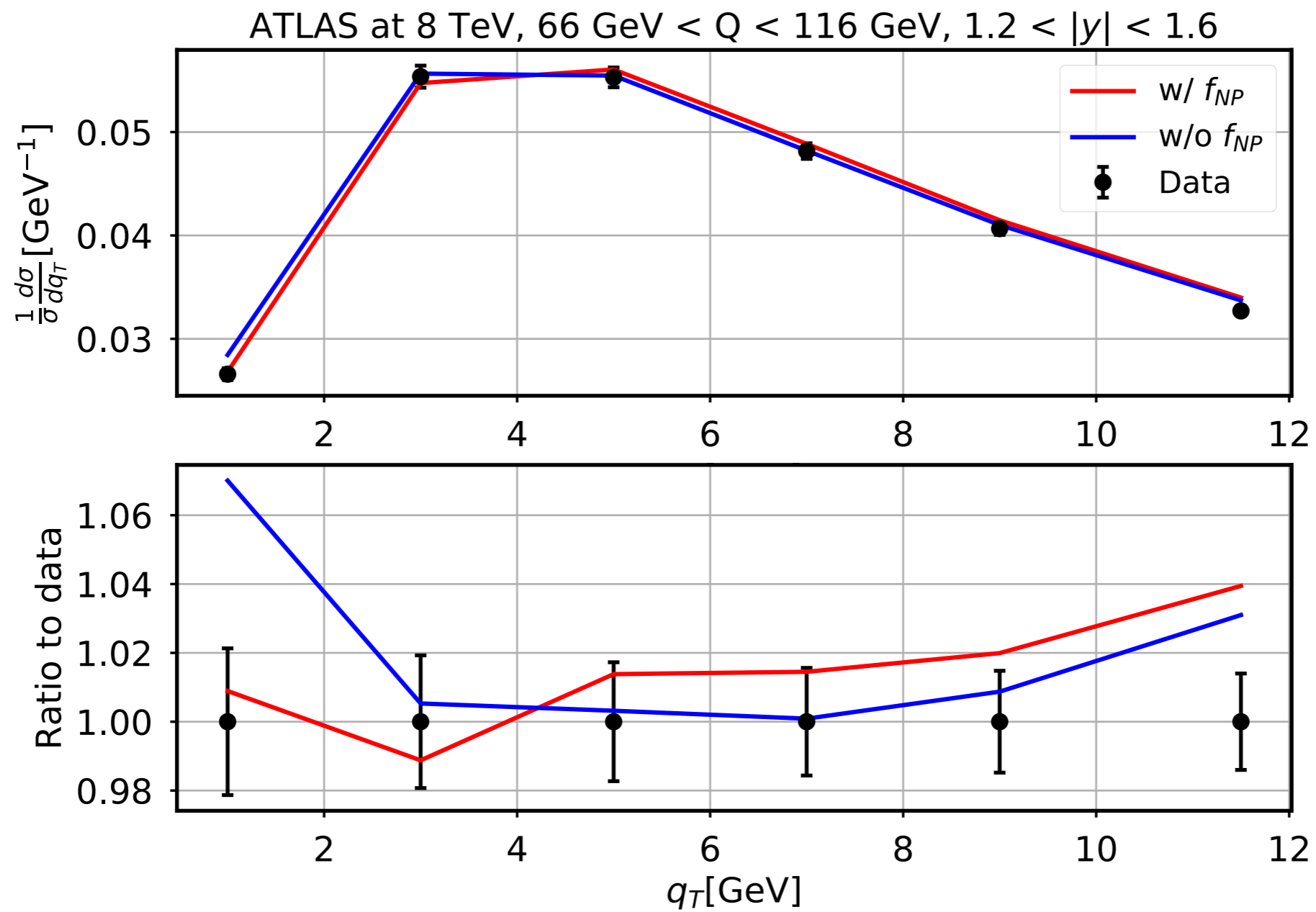
VERY preliminary

Size of non-perturbative effects



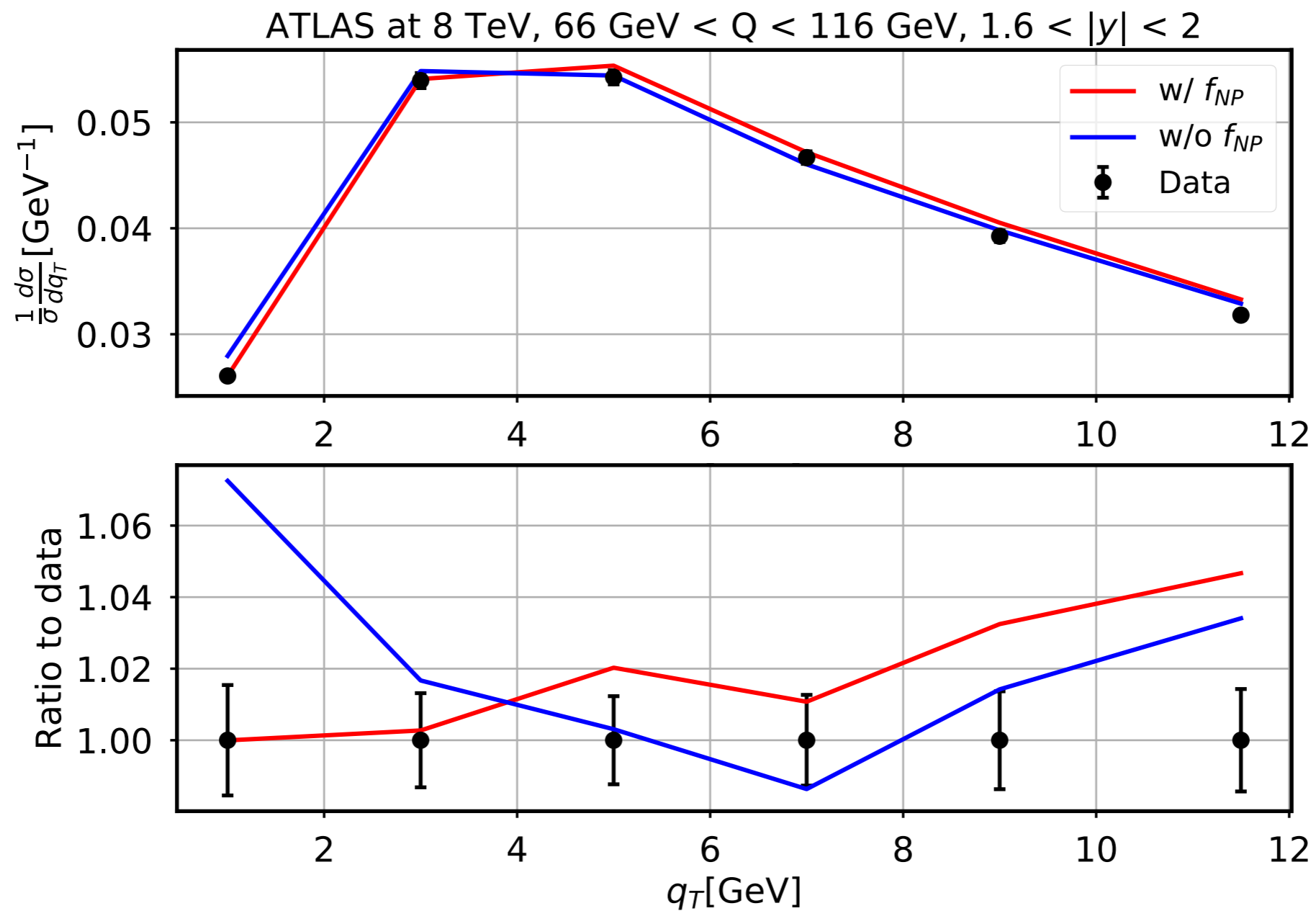
VERY preliminary

Size of non-perturbative effects



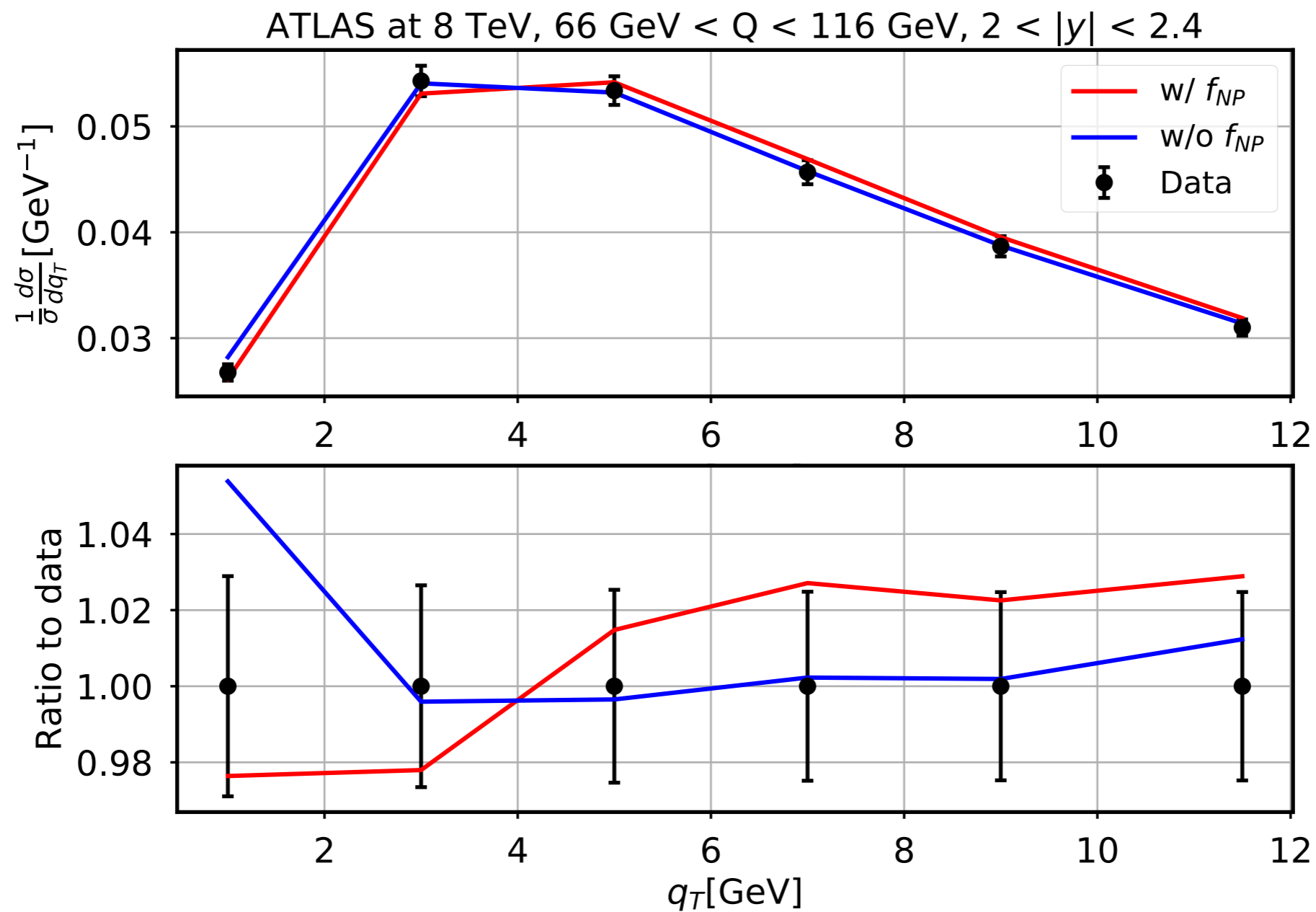
VERY preliminary

Size of non-perturbative effects



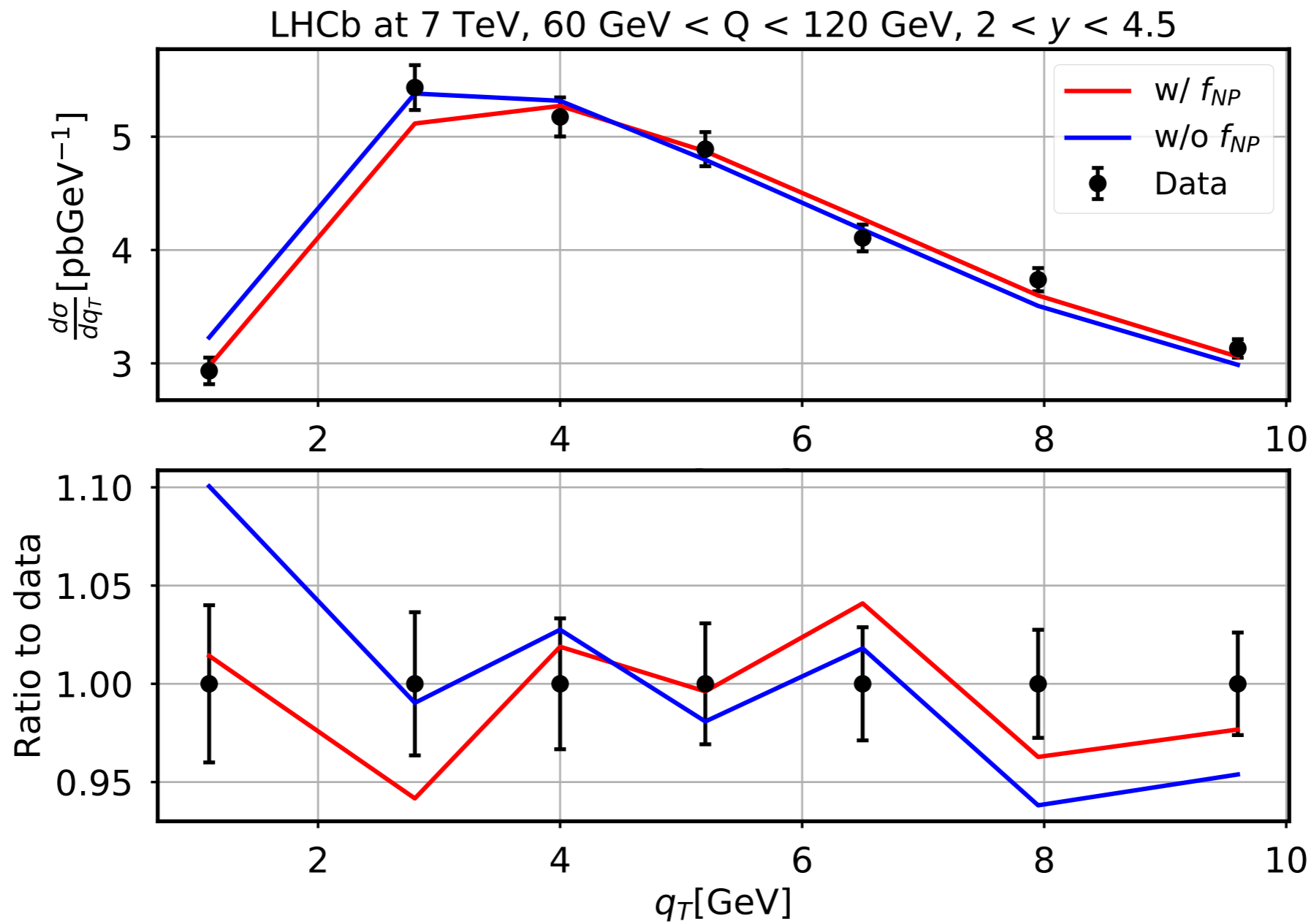
VERY preliminary

Size of non-perturbative effects



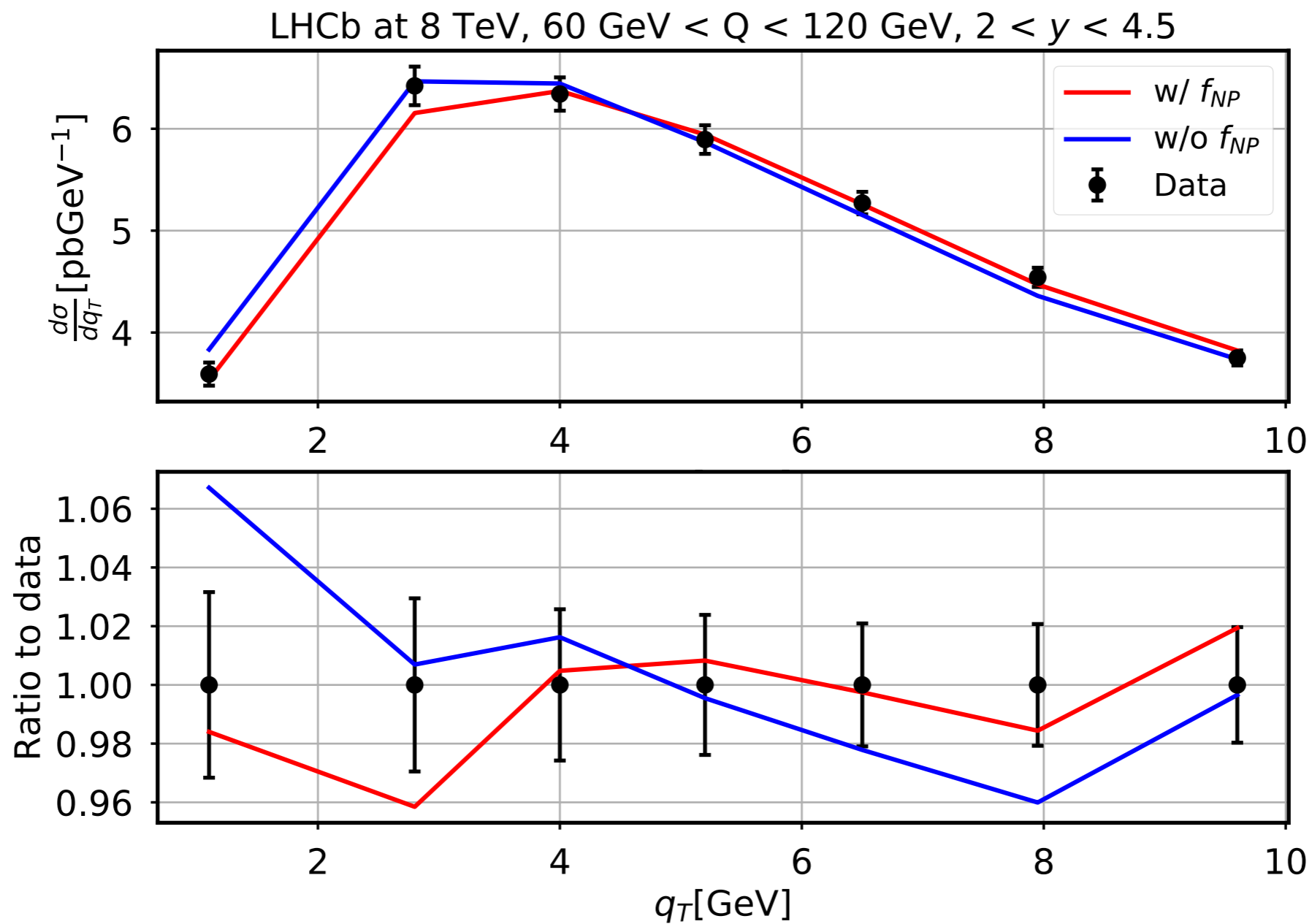
VERY preliminary

Size of non-perturbative effects



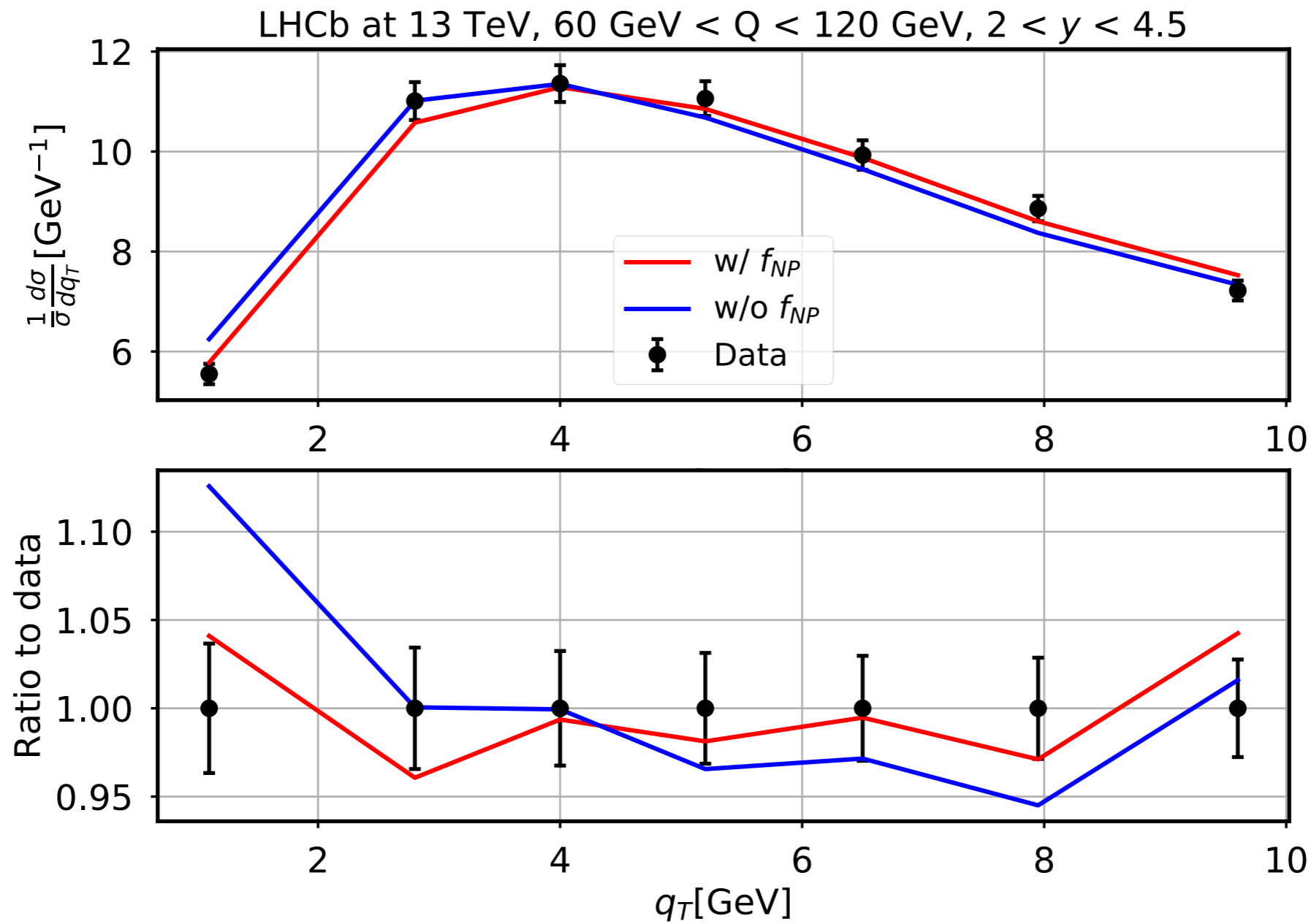
VERY preliminary

Size of non-perturbative effects



VERY preliminary

Size of non-perturbative effects



VERY preliminary