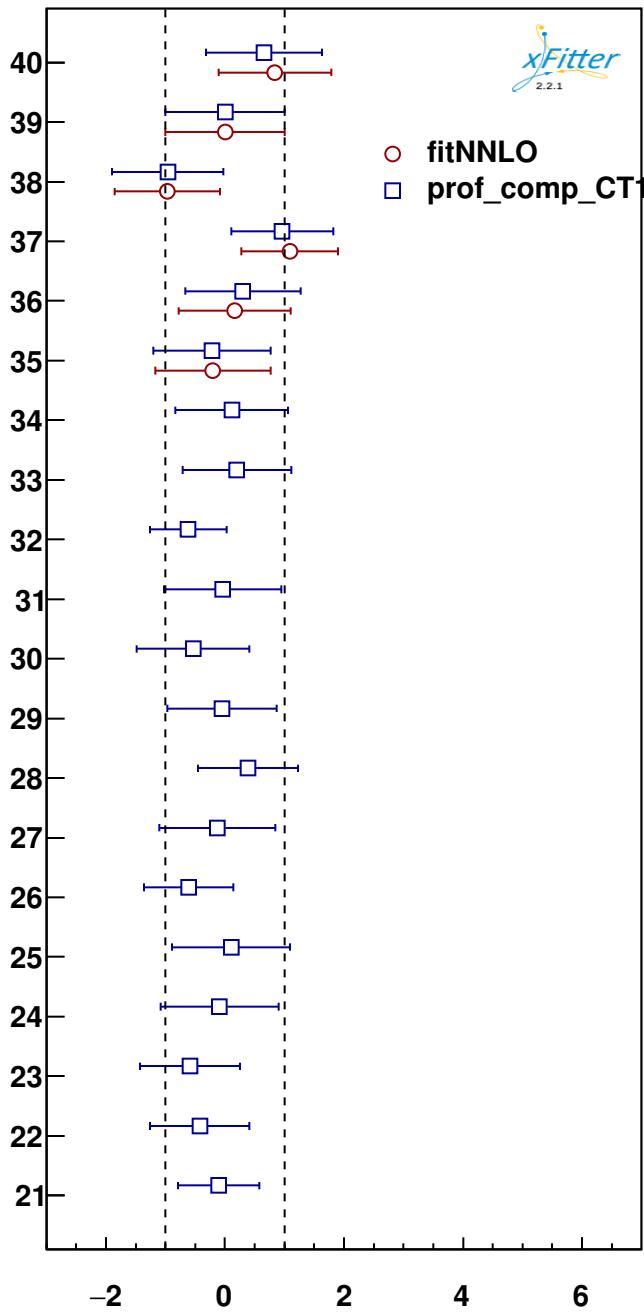
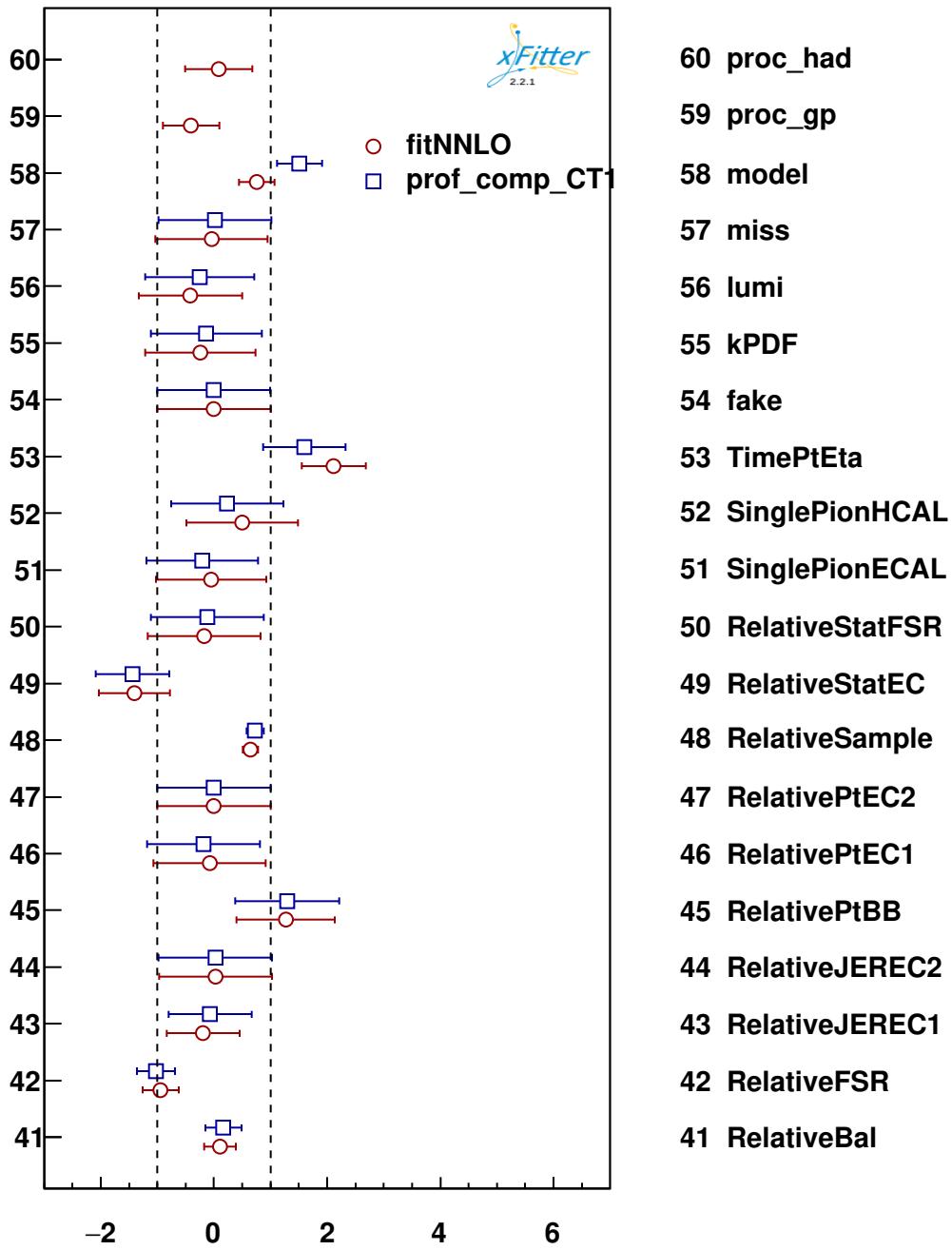
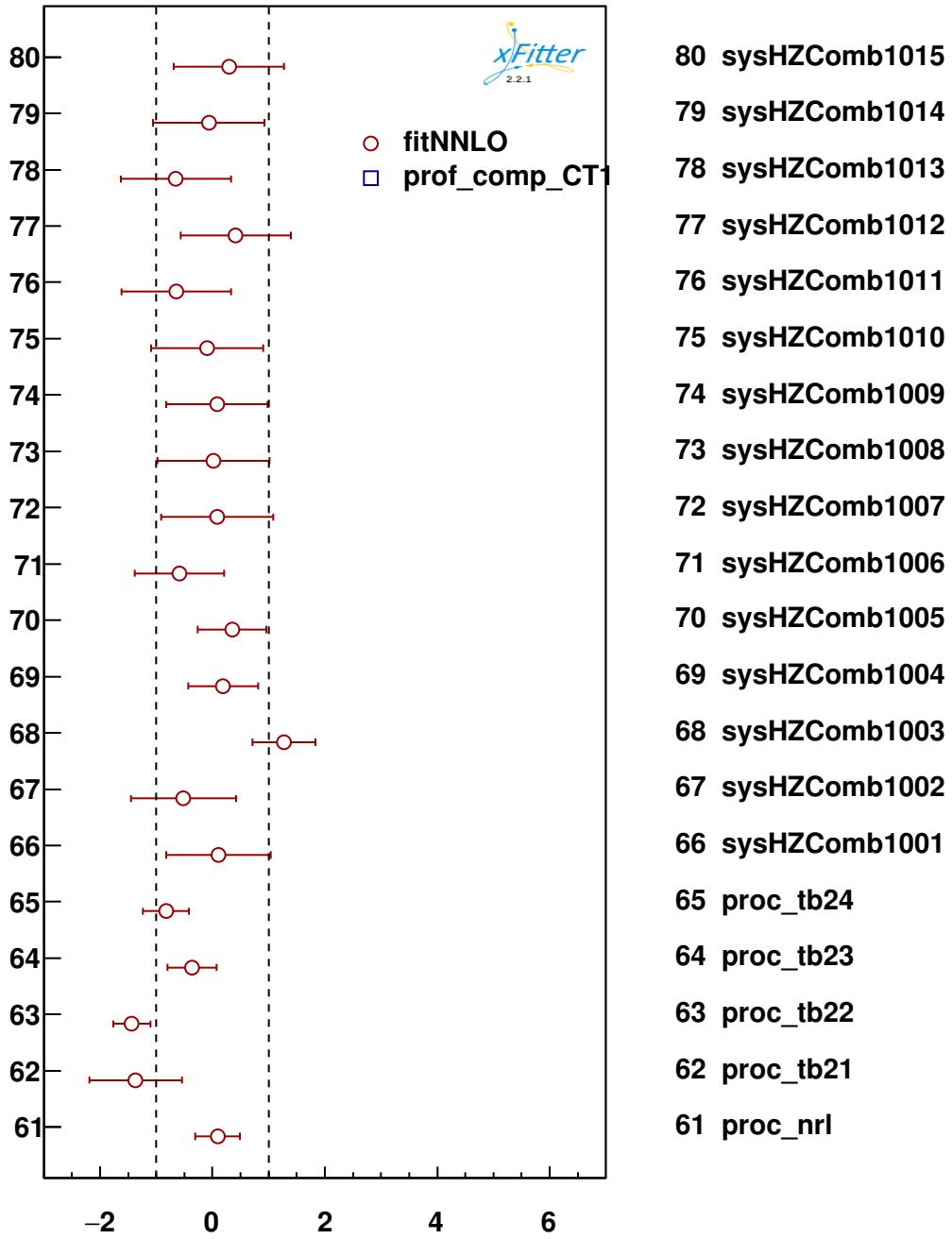


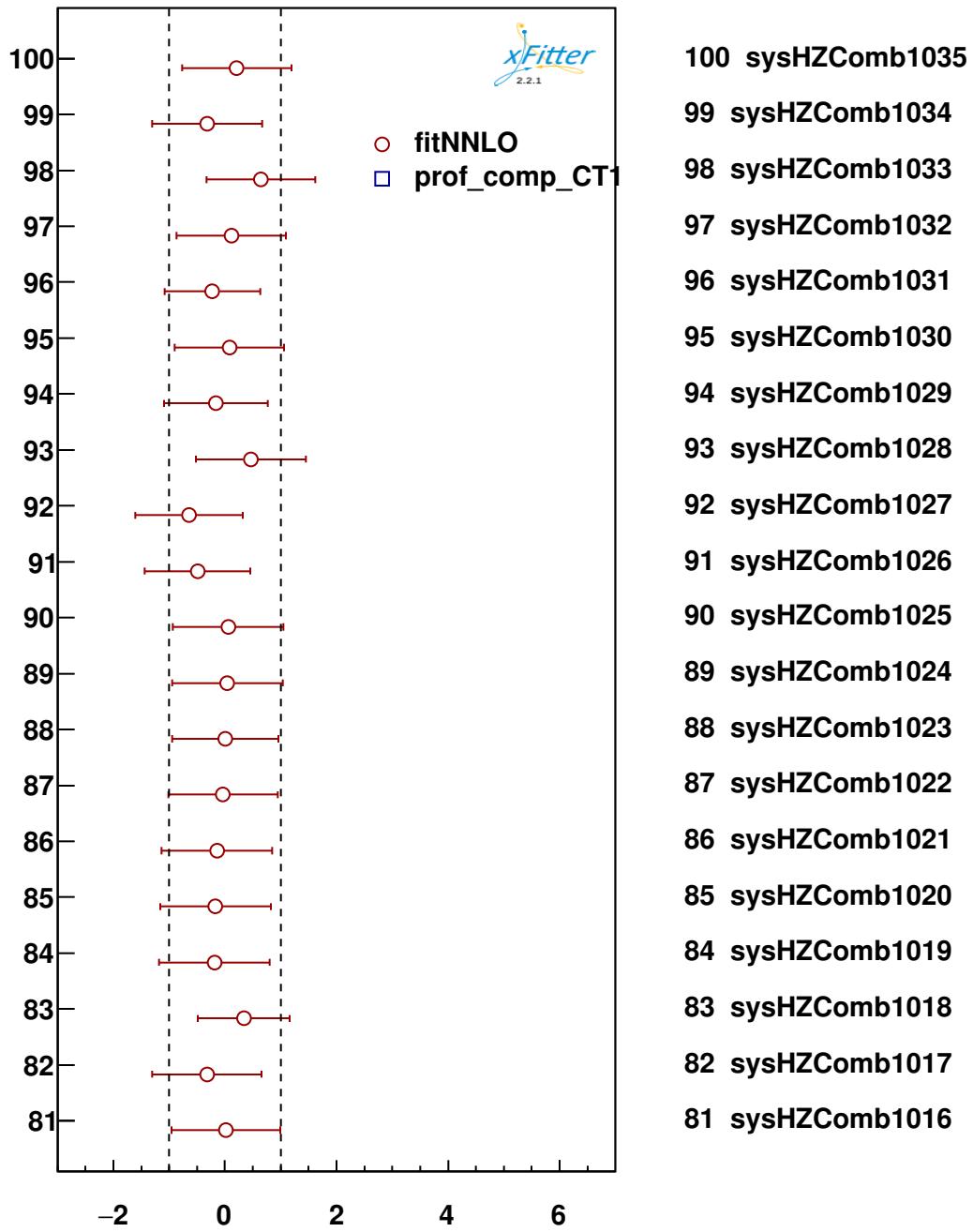
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19 PDF_nuisance_param_20
18 PDF_nuisance_param_2
17 PDF_nuisance_param_19
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14 PDF_nuisance_param_16
13 PDF_nuisance_param_15
12 PDF_nuisance_param_14
11 PDF_nuisance_param_13
10 PDF_nuisance_param_12
9 PDF_nuisance_param_11
8 PDF_nuisance_param_10
7 PDF_nuisance_param_1
6 NP
5 JER
4 Fragmentation
3 FlavorQCD
2 AbsoluteScale
1 AbsoluteMPFBias

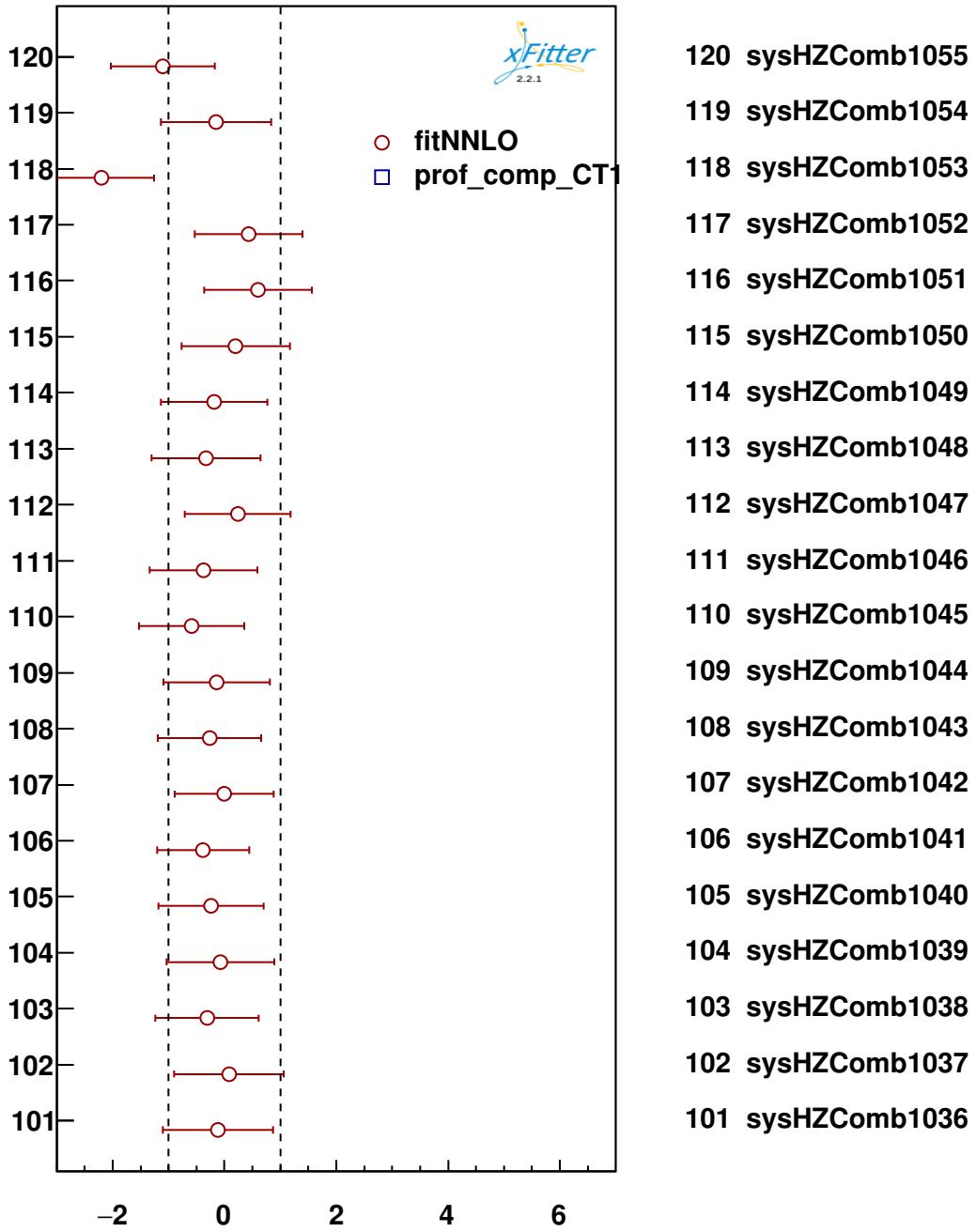


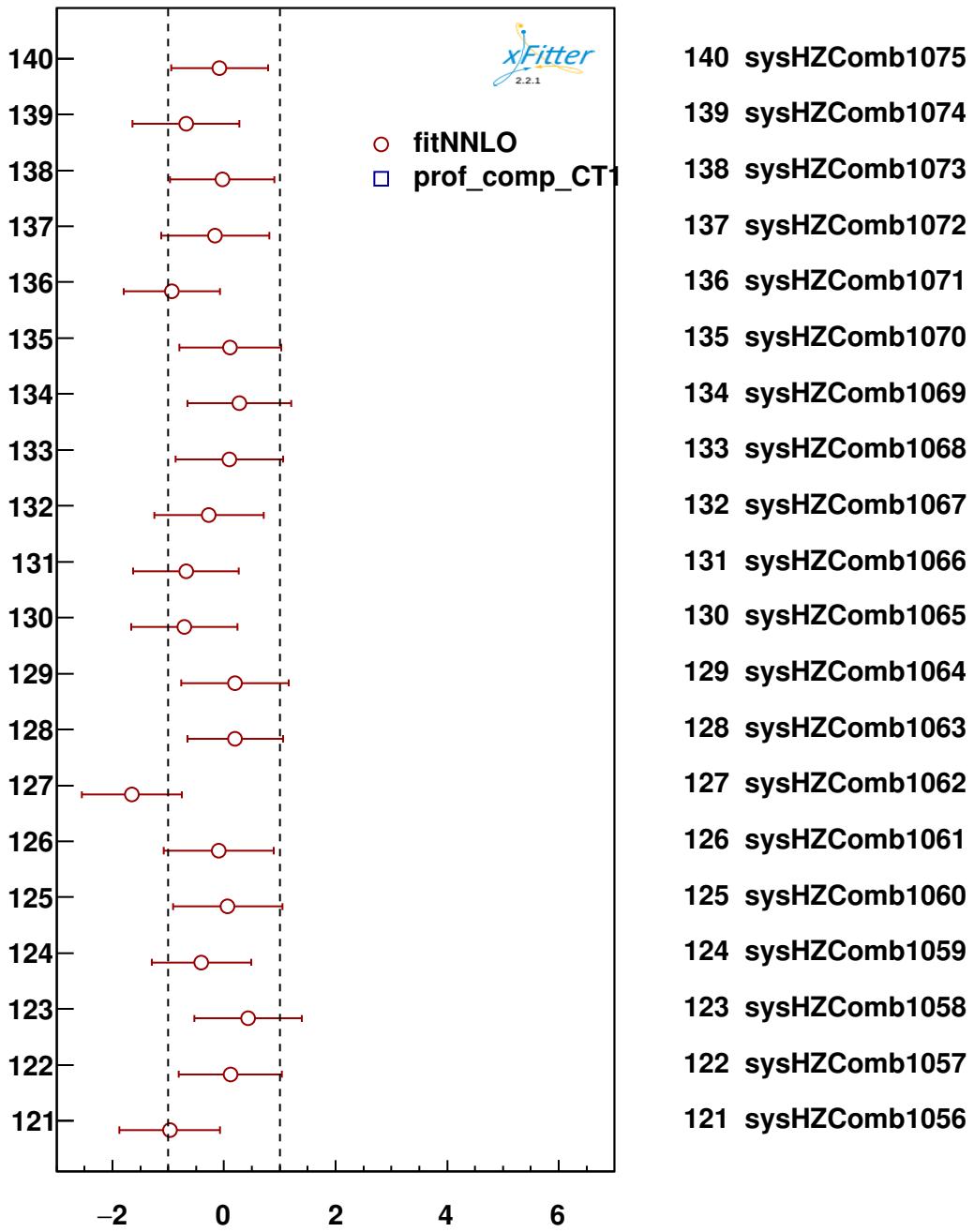
- 40 PileUpPtRef
39 PileUpPtEC2
38 PileUpPtEC1
37 PileUpPtBB
36 PileUpDataMC
35 PU
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29 PDF_nuisance_param_4
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26 PDF_nuisance_param_27
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21 PDF_nuisance_param_22

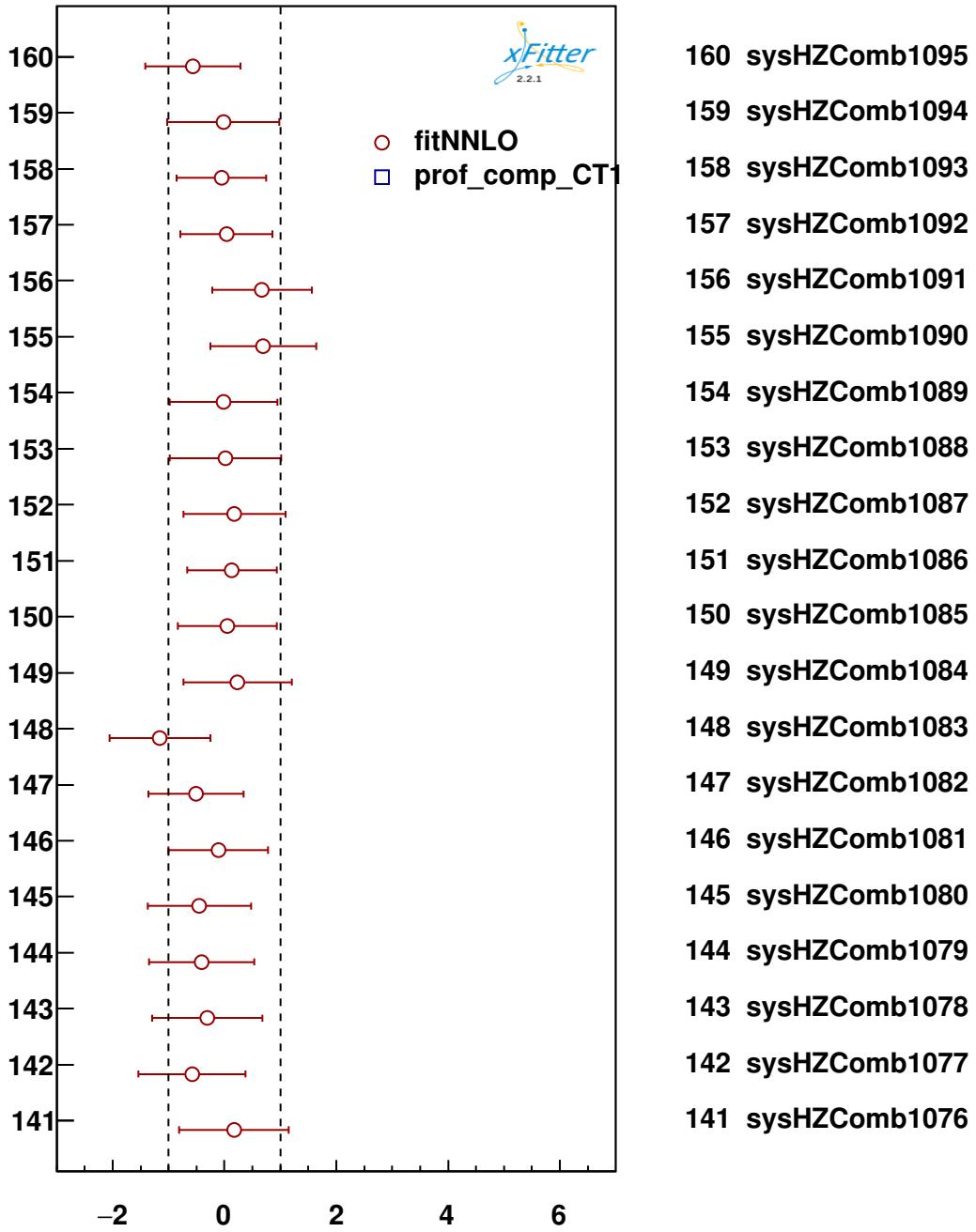


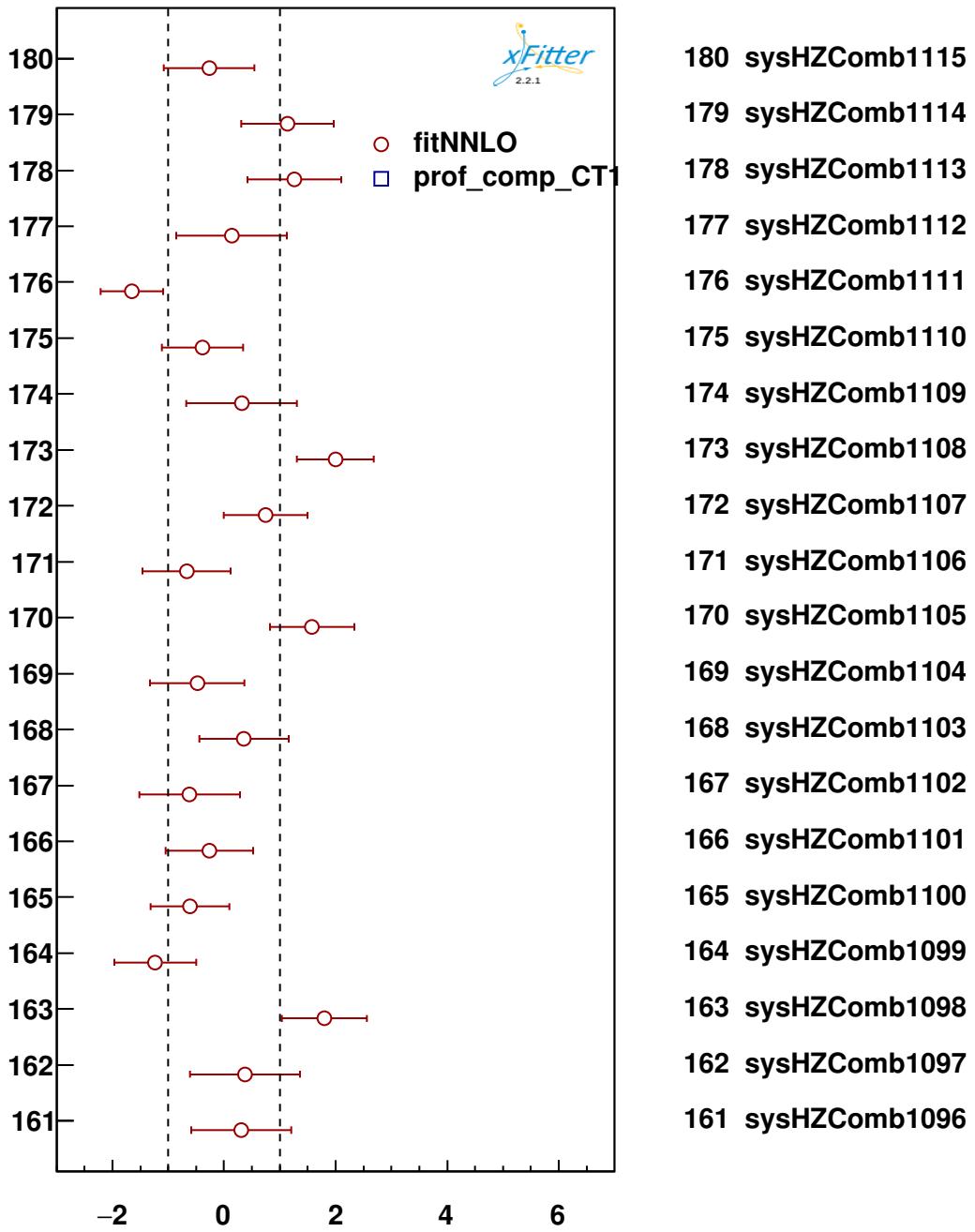


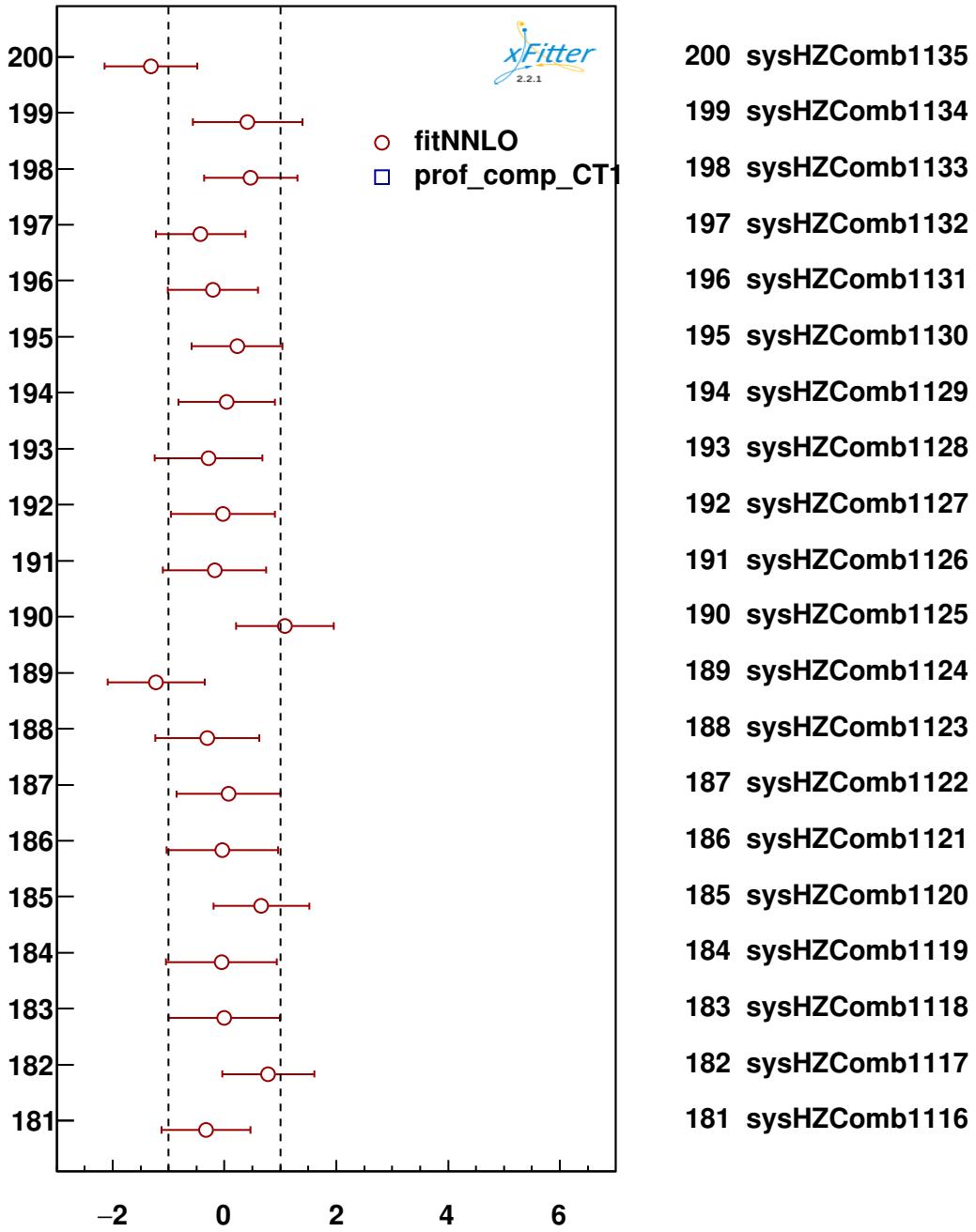


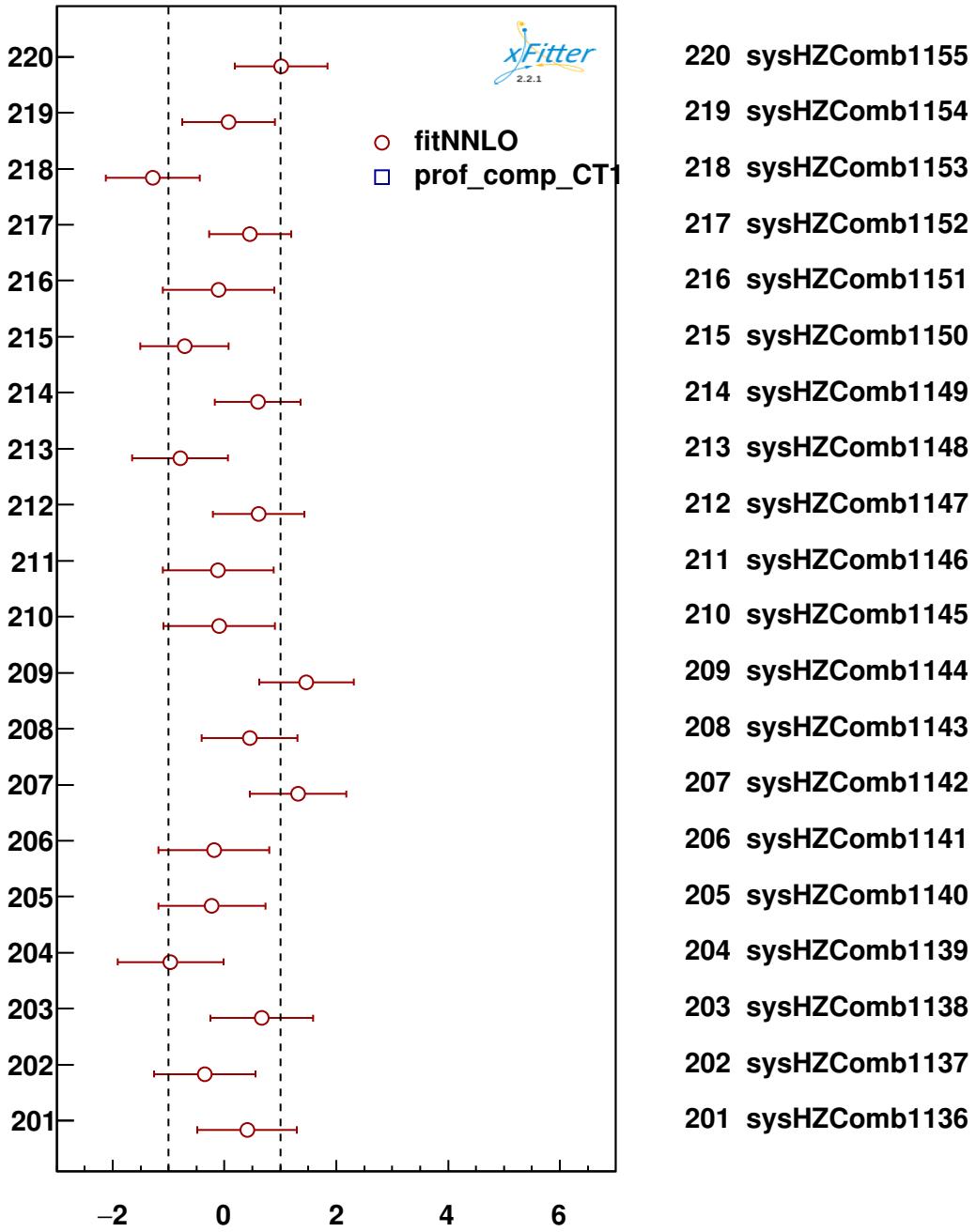


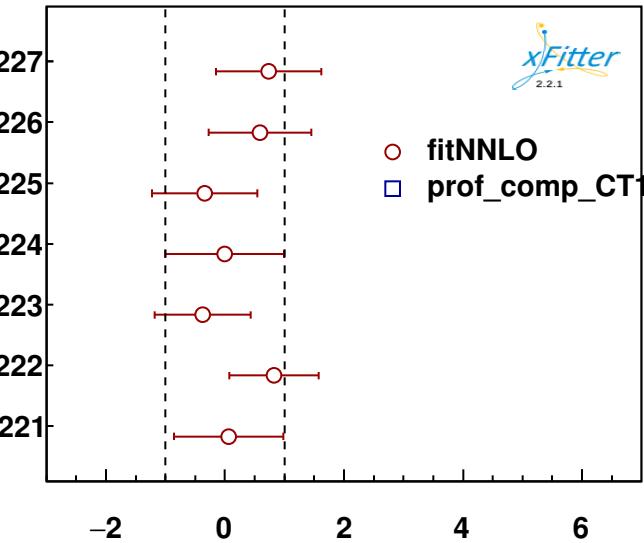












- 227 sysHZComb1162
- 226 sysHZComb1161
- 225 sysHZComb1160
- 224 sysHZComb1159
- 223 sysHZComb1158
- 222 sysHZComb1157
- 221 sysHZComb1156

Dataset	fitNNLO	prof CT14NNLO	comp
HERA1+2 CCep	46 / 39	-	
HERA1+2 CCem	56 / 42	-	
HERA1+2 NCem	227 / 159	-	
HERA1+2 NCep 820	60 / 63	-	
HERA1+2 NCep 920	375 / 332	-	
HERA1+2 NCep 460	209 / 187	-	
HERA1+2 NCep 575	201 / 234	-	
CMS inclusive jets 13 TeV, $-y \leq 0.5$	0 / 22	0 / 22	
CMS inclusive jets 13 TeV, $0.5 < -y \leq 1.0$	0 / 21	0 / 21	
CMS inclusive jets 13 TeV, $1.0 < -y \leq 1.5$	0 / 19	0 / 19	
CMS inclusive jets 13 TeV, $1.5 < -y \leq 2.0$	0 / 16	0 / 16	
Correlated χ^2	83	18	
Log penalty χ^2	-11.41	-1.34	
Total χ^2 / dof	1321 / 1118	84 / 78	
χ^2 p-value	0.00	0.31	

Parameter	fitNNLO	prof CT14NNLO	comp
'Adbar'	0.160 ± 0.011	-	
'Adv'	1.0000	-	
'Ag'	1.0000	-	
'Auv'	1.0000	-	
'Bdbar'	-0.1207 ± 0.0091	-	
'Bdv'	0.759 ± 0.096	-	
'Bg'	0.163 ± 0.046	-	
'Buv'	0.717 ± 0.039	-	
'Cdbar'	10.6 ± 2.3	-	
'CdV'	3.70 ± 0.41	-	
'Cg'	9.67 ± 0.75	-	
'Cubar'	7.5 ± 1.3	-	
'Cuv'	4.898 ± 0.099	-	
'Dg'	-4.5 ± 1.0	-	
'Dubar'	4.3 ± 2.4	-	
'Edbar'	25 ± 30	-	
'Eg'	31.5 ± 7.1	-	
'Euv'	13.8 ± 2.2	-	
'alphas'	0.1170 ± 0.0014	-	
'fs'	0.4000	-	