

| Type | Datasets | NS | NLO | linear | NS | LO | linear |
|--------|-------------------------------|----|-----|--------|----|----|--------|
| 4H | CMS.ttbb_13TeV | | ✓ | | | ✓ | |
| | CMS.ttbb_13TeV_2016 | | ✓ | | | ✓ | |
| | ATLAS.ttbb_13TeV_2016 | | ✓ | | | ✓ | |
| | CMS.tttt_13TeV | | ✓ | | | ✓ | |
| | CMS.tttt_13TeV_run2 | | ✓ | | | ✓ | |
| | ATLAS.tttt_13TeV_run2 | | ✓ | | | ✓ | |
| AC | ATLAS.CMS.tt_AC_8TeV | | ✓ | | | ✓ | |
| | ATLAS.tt_AC_13TeV | | ✓ | | | ✓ | |
| Hdiff | ATLAS.ggF_ZZ_13TeV | | ✓ | | | ✓ | |
| | CMS.ggF_aa_13TeV | | ✓ | | | ✓ | |
| | ATLAS.H_13TeV_2015_pTH | | ✓ | | | ✓ | |
| | CMS.H_13TeV_2015_pTH | | ✓ | | | ✓ | |
| | ATLAS.WH.Hbb_13TeV | | ✓ | | | ✓ | |
| | ATLAS.ZH.Hbb_13TeV | | ✓ | | | ✓ | |
| HrunI | ATLAS.CMS.SSinc.RunI | | ✓ | | | ✓ | |
| HrunII | ATLAS.SSinc.RunII | | ✓ | | | ✓ | |
| | CMS.SSinc.RunII | | ✓ | | | ✓ | |
| LEP | LEP.eeWW_182GeV | | ✓ | | | ✓ | |
| | LEP.eeWW_189GeV | | ✓ | | | ✓ | |
| | LEP.eeWW_198GeV | | ✓ | | | ✓ | |
| | LEP.eeWW_206GeV | | ✓ | | | ✓ | |
| | | | ✓ | | | ✓ | |
| VV | ATLAS.WW_13TeV_2016_memu | | ✓ | | | ✓ | |
| | ATLAS.WZ_13TeV_2016_mTWZ | | ✓ | | | ✓ | |
| | CMS.WZ_13TeV_2016_pTZ | | ✓ | | | ✓ | |
| WhelF | ATLAS.WhelF_8TeV | | ✓ | | | ✓ | |
| | CMS.WhelF_8TeV | | ✓ | | | ✓ | |
| t13 | CMS.t.tch_13TeV_inc | | ✓ | | | ✓ | |
| | CMS.t.tch_13TeV_diff_Yt | | ✓ | | | ✓ | |
| | CMS.t.tch_13TeV_2016_diff_Yt | | ✓ | | | ✓ | |
| | ATLAS.t.tch_13TeV | | ✓ | | | ✓ | |
| t8 | CMS.t.tch_8TeV_inc | | ✓ | | | ✓ | |
| | CMS.t.tch_8TeV_diff_Yt | | ✓ | | | ✓ | |
| | CMS.t.sch_8TeV | | ✓ | | | ✓ | |
| | ATLAS.t.tch_8TeV | | ✓ | | | ✓ | |
| | ATLAS.t.sch_8TeV | | ✓ | | | ✓ | |
| tW | ATLAS.tW_8TeV_inc | | ✓ | | | ✓ | |
| | ATLAS.tW_slep_8TeV_inc | | ✓ | | | ✓ | |
| | CMS.tW_8TeV_inc | | ✓ | | | ✓ | |
| | ATLAS.tW_13TeV_inc | | ✓ | | | ✓ | |
| | CMS.tW_13TeV_inc | | ✓ | | | ✓ | |
| tZ | ATLAS.tZ_13TeV_inc | | ✓ | | | ✓ | |
| | ATLAS.tZ_13TeV_run2_inc | | ✓ | | | ✓ | |
| | CMS.tZ_13TeV_inc | | ✓ | | | ✓ | |
| | CMS.tZ_13TeV_2016_inc | | ✓ | | | ✓ | |
| tt13 | CMS.tt_13TeV_ljets_2015_Mtt | | ✓ | | | ✓ | |
| | CMS.tt_13TeV_dilep_2015_Mtt | | ✓ | | | ✓ | |
| | CMS.tt_13TeV_ljets_2016_Mtt | | ✓ | | | ✓ | |
| | CMS.tt_13TeV_dilep_2016_Mtt | | ✓ | | | ✓ | |
| | ATLAS.tt_13TeV_ljets_2016_Mtt | | ✓ | | | ✓ | |
| tt8 | ATLAS.tt_8TeV_ljets_Mtt | | ✓ | | | ✓ | |
| | ATLAS.tt_8TeV_dilep_Mtt | | ✓ | | | ✓ | |
| | CMS.tt_8TeV_ljets_Ytt | | ✓ | | | ✓ | |
| | CMS.tt2D_8TeV_dilep_MttYtt | | ✓ | | | ✓ | |
| ttW | ATLAS.ttW_8TeV | | ✓ | | | ✓ | |
| | ATLAS.ttW_13TeV | | ✓ | | | ✓ | |
| | ATLAS.ttW_13TeV_2016 | | ✓ | | | ✓ | |
| | CMS.ttW_8TeV | | ✓ | | | ✓ | |
| | CMS.ttW_13TeV | | ✓ | | | ✓ | |
| ttZ | ATLAS.ttZ_8TeV | | ✓ | | | ✓ | |
| | ATLAS.ttZ_13TeV | | ✓ | | | ✓ | |
| | ATLAS.ttZ_13TeV_2016 | | ✓ | | | ✓ | |
| | CMS.ttZ_8TeV | | ✓ | | | ✓ | |
| | CMS.ttZ_13TeV | | ✓ | | | ✓ | |
| | CMS.ttZ_13TeV_pTZ | | ✓ | | | ✓ | |

Table 1: Dataset comparison