| | JET_Flavor_Composition | JET_Flavor_Response | JET_Pileup_OffsetNPV | JET_Pileup_RhoTopology | Photon_ID | Photon_effIso | efakeSF_ | hfakeSF_ | lepfakeSF_ | lepfakeSF_var1 | lepfakeSF_var2 | ttbar_pt_hard | tty_dec_Herwig7 | tty_prod_Herwig7 | tty_prod_muR | tty_prod_var3c | highpt_uncalib_ljet | Wtγ Norm | Wγ Norm | Zγ Norm | Norm factor for tty dec | tty_drphl Unfolded Truth Bin 1 | tty_drphl Unfolded Truth Bin 2 | tty_drphl Unfolded Truth Bin 3 | tty_drphl Unfolded Truth Bin 4 | tty_drphl Unfolded Truth Bin 5 | tty_drphl Unfolded Truth Bin 6 | tty_drphl Unfolded Truth Bin 7 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JET_Flavor_Composition | 100.0 | 6.3 | 0.1 | -3.2 | -1.4 | 7.0 | -3.6 | -8.2 | -4.0 | 0.6 | 0.2 | -3.6 | -3.4 | -4.4 | 1.5 | 0.2 | -4.9 | -1.8 | -15.9 | -8.6 | -34.7 | -7.8 | -23.6 | -31.2 | -34.1 | -38.2 | -37.8 | -38.3 |
| JET_Flavor_Response | 6.3 | 100.0 | 0.3 | 4.9 | 1.1 | -4.3 | -0.2 | 1.4 | 3.4 | 0.2 | -1.3 | -2.2 | 1.7 | 3.7 | -1.7 | -0.3 | 6.0 | 5.7 | 16.1 | 7.9 | 11.3 | 0.3 | 4.7 | 7.3 | 9.3 | 10.8 | 10.7 | 11.7 |
| JET_Pileup_OffsetNPV | 0.1 | 0.3 | 100.0 | -1.0 | -0.5 | -2.0 | -4.0 | -2.1 | 0.0 | -0.1 | 0.0 | -0.7 | 0.5 | -0.2 | 0.8 | 1.1 | -6.0 | -2.3 | -4.6 | -3.1 | -7.6 | -4.0 | -9.1 | -13.0 | -13.2 | -15.3 | -16.1 | -15.6 |
| JET_Pileup_RhoTopology | -3.2 | 4.9 | -1.0 | 100.0 | -1.4 | 2.3 | -4.2 | -4.7 | -1.9 | 0.2 | 0.1 | -0.3 | -3.6 | -2.9 | 1.4 | 1.5 | -6.0 | -2.3 | -14.1 | -8.2 | -37.7 | -11.6 | -28.4 | -33.9 | -35.9 | -39.7 | -38.0 | -38.0 |
| Photon_ID | -1.4 | 1.1 | -0.5 | -1.4 | 100.0 | 0.5 | -3.1 | -4.5 | -0.4 | 0.2 | -0.5 | -0.3 | -1.1 | -0.7 | 0.0 | 0.6 | -1.7 | -1.1 | -4.9 | -3.0 | -18.0 | 1.2 | -3.5 | -5.0 | -4.0 | -4.3 | -3.3 | -2.9 |
| Photon_effIso | 7.0 | -4.3 | -2.0 | 2.3 | 0.5 | 100.0 | -3.0 | 2.5 | 3.3 | -0.7 | -1.1 | 7.1 | 2.8 | -2.2 | 1.5 | 2.7 | -3.7 | 0.4 | 6.5 | 1.2 | -21.5 | -5.9 | -14.8 | -17.2 | -17.6 | -18.2 | -16.8 | -18.0 |
| efakeSF_ | -3.6 | -0.2 | -4.0 | -4.2 | -3.1 | -3.0 | 100.0 | -37.1 | 0.4 | 1.0 | -6.5 | 8.4 | 13.2 | -24.6 | 8.4 | 2.8 | -12.1 | 2.0 | 1.1 | -1.5 | 6.8 | 16.7 | 10.1 | 3.0 | 0.9 | 0.8 | 0.5 | 6.9 |
| hfakeSF_ | -8.2 | 1.4 | -2.1 | -4.7 | -4.5 | 2.5 | -37.1 | 100.0 | 0.7 | 0.7 | -9.9 | 6.1 | -2.2 | -29.0 | 3.6 | 4.4 | -2.3 | 7.4 | -1.6 | -2.7 | -10.8 | 20.5 | 10.8 | -2.5 | -8.8 | -9.7 | -17.1 | -30.4 |
| lepfakeSF_ | -4.0 | 3.4 | 0.0 | -1.9 | -0.4 | 3.3 | 0.4 | 0.7 | 100.0 | 25.3 | -5.1 | 0.0 | 3.5 | -2.9 | 1.6 | -1.8 | -1.5 | -1.1 | -6.7 | -3.2 | 7.7 | 2.3 | 3.5 | 2.5 | -0.1 | 1.0 | -4.5 | -4.9 |
| lepfakeSF_var1 | 0.6 | 0.2 | -0.1 | 0.2 | 0.2 | -0.7 | 1.0 | 0.7 | 25.3 | 100.0 | -3.1 | 0.4 | -1.7 | -3.3 | -1.0 | 0.5 | -1.4 | -0.6 | -0.6 | 0.5 | -3.3 | 1.6 | -1.8 | -2.2 | -3.5 | -2.7 | -6.5 | -8.2 |
| lepfakeSF_var2 | 0.2 | -1.3 | 0.0 | 0.1 | -0.5 | -1.1 | -6.5 | -9.9 | -5.1 | -3.1 | 100.0 | 1.9 | -0.5 | -3.3 | 0.6 | 0.5 | 0.8 | 0.9 | 2.0 | 0.4 | -1.3 | 1.9 | 5.0 | 10.1 | 13.7 | 11.2 | 19.2 | 17.9 |
| ttbar_pt_hard | -3.6 | -2.2 | -0.7 | -0.3 | -0.3 | 7.1 | 8.4 | 6.1 | 0.0 | 0.4 | 1.9 | 100.0 | -4.4 | 15.4 | -6.8 | -5.2 | 4.9 | 0.9 | -2.5 | 1.2 | -10.6 | 3.2 | -0.7 | 0.6 | 3.5 | 4.0 | 7.2 | 9.1 |
| tty_dec_Herwig7 | -3.4 | 1.7 | 0.5 | -3.6 | -1.1 | 2.8 | 13.2 | -2.2 | 3.5 | -1.7 | -0.5 | -4.4 | 100.0 | 14.6 | -7.0 | -0.4 | 6.5 | 0.2 | -9.4 | -4.4 | 58.4 | 22.2 | 21.7 | 24.4 | 26.4 | 21.9 | 19.7 | 17.6 |
| tty_prod_Herwig7 | -4.4 | 3.7 | -0.2 | -2.9 | -0.7 | -2.2 | -24.6 | -29.0 | -2.9 | -3.3 | -3.3 | 15.4 | 14.6 | 100.0 | 3.0 | -2.1 | -2.4 | 0.3 | 2.1 | 2.4 | 23.4 | -2.3 | 3.7 | 18.6 | 25.9 | 25.2 | 26.8 | 32.4 |
| tty_prod_muR | 1.5 | -1.7 | 0.8 | 1.4 | 0.0 | 1.5 | 8.4 | 3.6 | 1.6 | -1.0 | 0.6 | -6.8 | -7.0 | 3.0 | 100.0 | 2.8 | 3.9 | 0.1 | -0.5 | 1.3 | -9.6 | -5.9 | -12.8 | -16.6 | -15.3 | -18.3 | -23.7 | -19.8 |
| tty_prod_var3c | 0.2 | -0.3 | 1.1 | 1.5 | 0.6 | 2.7 | 2.8 | 4.4 | -1.8 | 0.5 | 0.5 | -5.2 | -0.4 | -2.1 | 2.8 | 100.0 | 4.3 | 2.2 | 3.6 | 0.7 | 10.7 | -34.6 | -23.2 | -20.5 | -21.6 | -8.5 | -10.2 | -13.9 |
| highpt_uncalib_ljet | -4.9 | 6.0 | -6.0 | -6.0 | -1.7 | -3.7 | -12.1 | -2.3 | -1.5 | -1.4 | 0.8 | 4.9 | 6.5 | -2.4 | 3.9 | 4.3 | 100.0 | -11.5 | -25.5 | -10.3 | 28.9 | -39.5 | -26.7 | -14.0 | -6.9 | -5.0 | -1.0 | -2.3 |
| Wtγ Norm | -1.8 | 5.7 | -2.3 | -2.3 | -1.1 | 0.4 | 2.0 | 7.4 | -1.1 | -0.6 | 0.9 | 0.9 | 0.2 | 0.3 | 0.1 | 2.2 | -11.5 | 100.0 | -19.4 | -9.1 | -12.9 | -12.2 | -16.3 | -15.6 | -13.4 | -10.6 | -12.2 | -10.1 |
| Wγ Norm | -15.9 | 16.1 | -4.6 | -14.1 | -4.9 | 6.5 | 1.1 | -1.6 | -6.7 | -0.6 | 2.0 | -2.5 | -9.4 | 2.1 | -0.5 | 3.6 | -25.5 | -19.4 | 100.0 | -27.1 | 10.2 | 4.7 | 15.4 | 16.2 | 15.7 | 19.9 | 19.3 | 22.5 |
| Zγ Norm | -8.6 | 7.9 | -3.1 | -8.2 | -3.0 | 1.2 | -1.5 | -2.7 | -3.2 | 0.5 | 0.4 | 1.2 | -4.4 | 2.4 | 1.3 | 0.7 | -10.3 | -9.1 | -27.1 | 100.0 | 3.5 | 10.3 | 13.2 | 16.9 | 14.2 | 16.3 | 17.5 | 17.1 |
| Norm factor for tty dec | -34.7 | 11.3 | -7.6 | -37.7 | -18.0 | -21.5 | 6.8 | -10.8 | 7.7 | -3.3 | -1.3 | -10.6 | 58.4 | 23.4 | -9.6 | 10.7 | 28.9 | -12.9 | 10.2 | 3.5 | 100.0 | 1.1 | 31.3 | 48.2 | 54.4 | 57.1 | 55.9 | 55.6 |
| tty_drphl Unfolded Truth Bin 1 | -7.8 | 0.3 | -4.0 | -11.6 | 1.2 | -5.9 | 16.7 | 20.5 | 2.3 | 1.6 | 1.9 | 3.2 | 22.2 | -2.3 | -5.9 | -34.6 | -39.5 | -12.2 | 4.7 | 10.3 | 1.1 | 100.0 | 66.3 | 53.6 | 46.7 | 40.5 | 36.4 | 34.9 |
| tty_drphl Unfolded Truth Bin 2 | -23.6 | 4.7 | -9.1 | -28.4 | -3.5 | -14.8 | 10.1 | 10.8 | 3.5 | -1.8 | 5.0 | -0.7 | 21.7 | 3.7 | -12.8 | -23.2 | -26.7 | -16.3 | 15.4 | 13.2 | 31.3 | 66.3 | 100.0 | 67.9 | 64.9 | 62.7 | 59.3 | 58.4 |
| tty_drphl Unfolded Truth Bin 3 | -31.2 | 7.3 | -13.0 | -33.9 | -5.0 | -17.2 | 3.0 | -2.5 | 2.5 | -2.2 | 10.1 | 0.6 | 24.4 | 18.6 | -16.6 | -20.5 | -14.0 | -15.6 | 16.2 | 16.9 | 48.2 | 53.6 | 67.9 | 100.0 | 74.3 | 74.4 | 72.8 | 72.9 |
| tty_drphl Unfolded Truth Bin 4 | -34.1 | 9.3 | -13.2 | -35.9 | -4.0 | -17.6 | 0.9 | -8.8 | -0.1 | -3.5 | 13.7 | 3.5 | 26.4 | 25.9 | -15.3 | -21.6 | -6.9 | -13.4 | 15.7 | 14.2 | 54.4 | 46.7 | 64.9 | 74.3 | 100.0 | 76.3 | 76.2 | 77.4 |
| tty_drphl Unfolded Truth Bin 5 | -38.2 | 10.8 | -15.3 | -39.7 | -4.3 | -18.2 | 0.8 | -9.7 | 1.0 | -2.7 | 11.2 | 4.0 | 21.9 | 25.2 | -18.3 | -8.5 | -5.0 | -10.6 | 19.9 | 16.3 | 57.1 | 40.5 | 62.7 | 74.4 | 76.3 | 100.0 | 78.9 | 80.6 |
| tty_drphl Unfolded Truth Bin 6 | -37.8 | 10.7 | -16.1 | -38.0 | -3.3 | -16.8 | 0.5 | -17.1 | -4.5 | -6.5 | 19.2 | 7.2 | 19.7 | 26.8 | -23.7 | -10.2 | -1.0 | -12.2 | 19.3 | 17.5 | 55.9 | 36.4 | 59.3 | 72.8 | 76.2 | 78.9 | 100.0 | 83.2 |
| tty_drphl Unfolded Truth Bin 7 | -38.3 | 11.7 | -15.6 | -38.0 | -2.9 | -18.0 | 6.9 | -30.4 | -4.9 | -8.2 | 17.9 | 9.1 | 17.6 | 32.4 | -19.8 | -13.9 | -2.3 | -10.1 | 22.5 | 17.1 | 55.6 | 34.9 | 58.4 | 72.9 | 77.4 | 80.6 | 83.2 | 100.0 |