

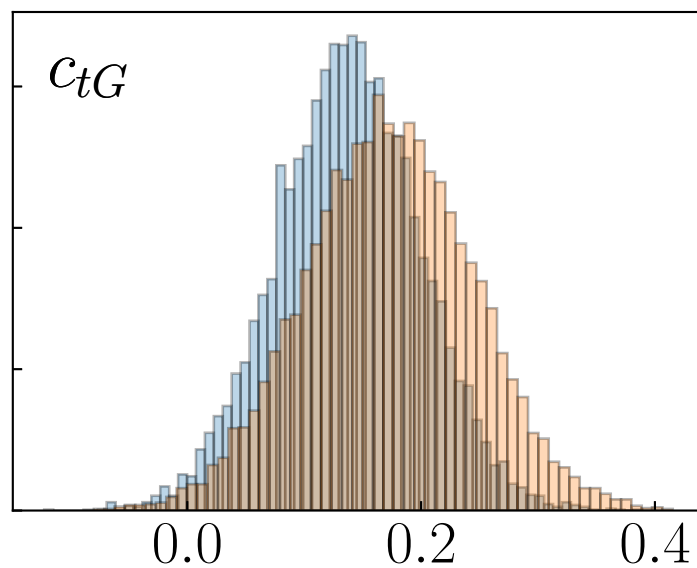
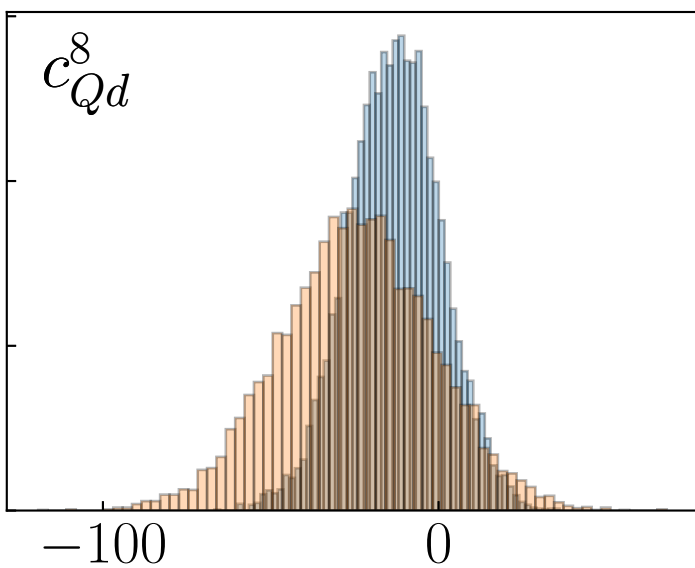
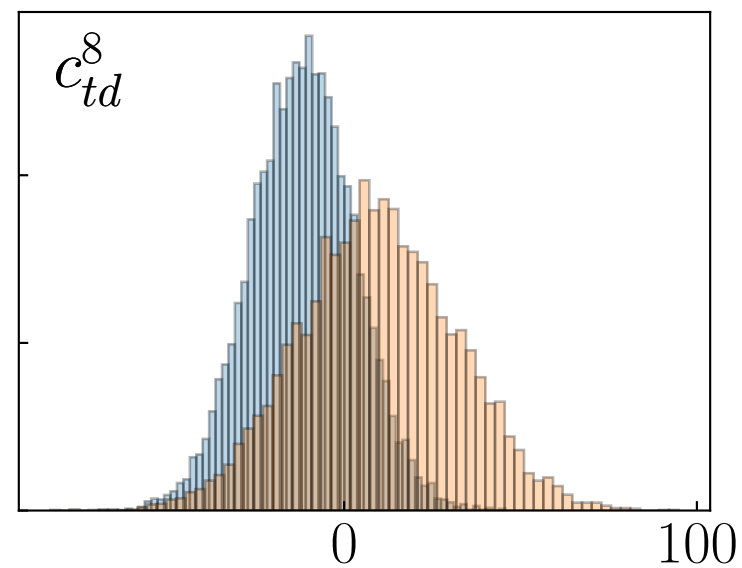
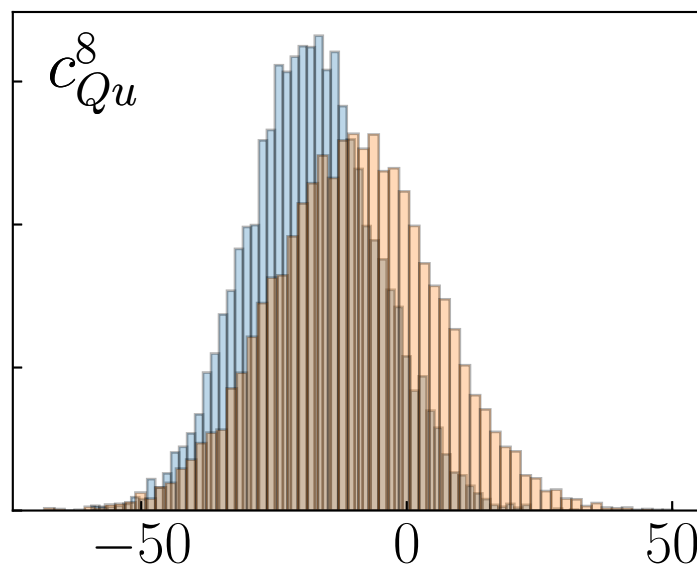
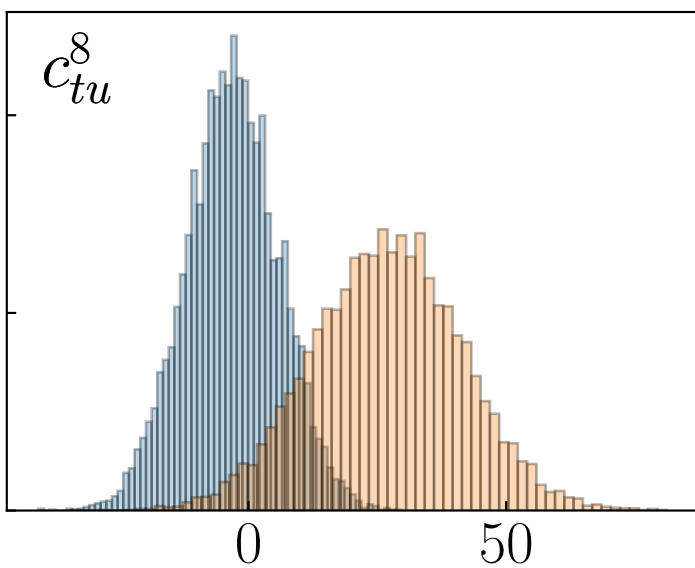
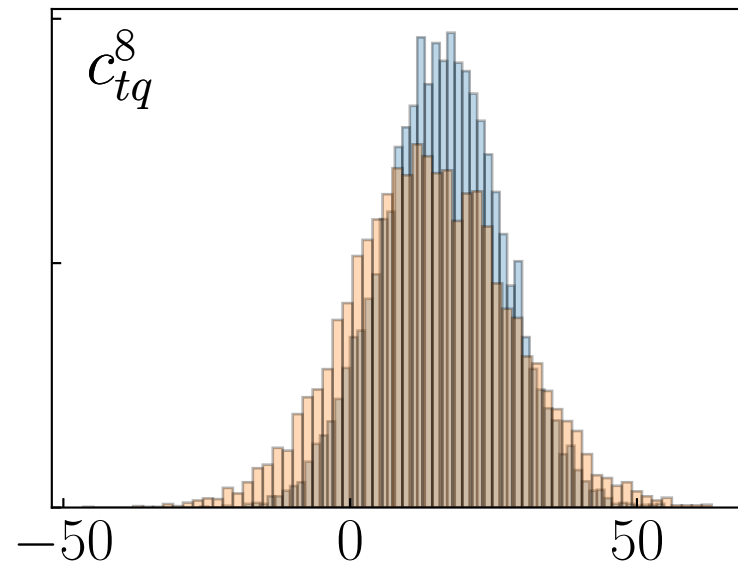
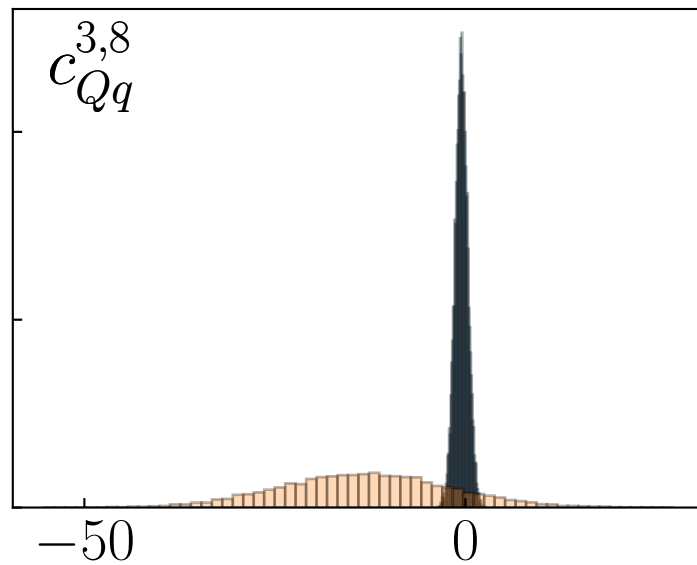
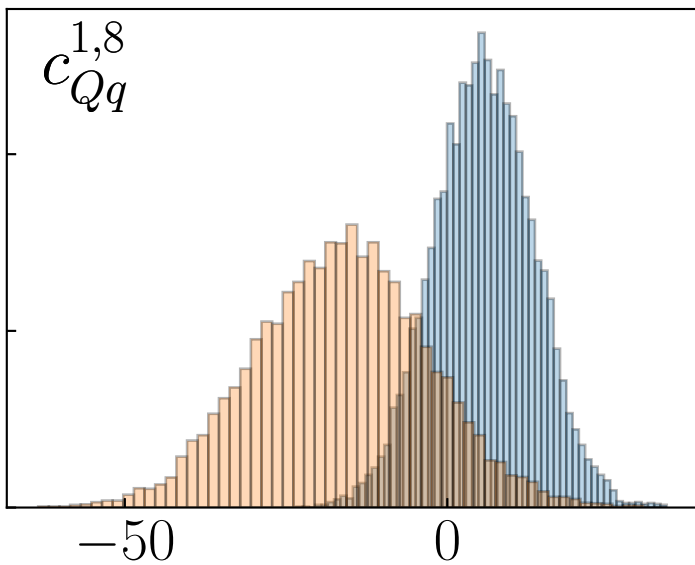
| | | old | | new | |
|-------|----------------------------|--------|-------|--------|-------|
| Class | Coefficients | Fitted | Fixed | Fitted | Fixed |
| 2FB | $c_{tG}^{1,8}$ | ✓ | | ✓ | |
| 2L2H | $c_{Qq}^{3,8}$ | ✓ | | ✓ | |
| | c_{Qq}^{8} | ✓ | | ✓ | |
| | c_{tq}^{8} | ✓ | | ✓ | |
| | c_{tu}^{8} | ✓ | | ✓ | |
| | c_{Qu}^{8} | ✓ | | ✓ | |
| | c_{td}^{8} | ✓ | | ✓ | |
| | c_{Qd}^{8} | ✓ | | ✓ | |
| | | | | | |
| | Number fitted coefficients | 8 | | 8 | |

Table 1: Coefficient comparison

| Type | Datasets | old | new |
|------|-------------------------------|-----|-----|
| tt | ATLAS_CMS_tt_AC_8TeV | ✓ | ✓ |
| | ATLAS_tt_13TeV_asy_2022 | ✓ | ✓ |
| | ATLAS_tt_13TeV_ljets_2016_Mtt | ✓ | ✓ |
| | ATLAS_tt_8TeV_dilep_Mtt | ✓ | ✓ |
| | ATLAS_tt_8TeV_ljets_Mtt | ✓ | ✓ |
| | CMS_tt2D_8TeV_dilep_MttYtt | ✓ | ✓ |
| | CMS_tt_13TeV_Mtt | ✓ | ✓ |
| | CMS_tt_13TeV_asy | ✓ | ✓ |
| | CMS_tt_13TeV_dilep_2015_Mtt | ✓ | ✓ |
| | CMS_tt_13TeV_dilep_2016_Mtt | ✓ | ✓ |
| | CMS_tt_13TeV_ljets_2015_Mtt | ✓ | ✓ |
| | CMS_tt_13TeV_ljets_2016_Mtt | ✓ | ✓ |
| | CMS_tt_13TeV_ljets.inc | ✓ | ✓ |
| | CMS_tt_8TeV_ljets_Ytt | ✓ | ✓ |

Table 1: Dataset comparison

old new



 MEFiT