

|       |                         | HL-LHC |                  |                  | FCC-ee |                |                  |        |                |
|-------|-------------------------|--------|------------------|------------------|--------|----------------|------------------|--------|----------------|
| Class | Coefficients            | best   | 68% CL Bounds    | 95% CL Bounds    | best   | 68% CL Bounds  | 95% CL Bounds    | best   | 68%            |
| 2FB   | $c_{c\varphi}$          | -0.0   | [-0.038,0.037]   | [-0.076,0.075]   | 0.0    | [-0.001,0.001] | [-0.002,0.002]   | -0.0   | [-0.002,0.002] |
|       | $c_{b\varphi}$          | -0.0   | [-0.013,0.012]   | [-0.024,0.024]   | 0.0    | [-0.001,0.001] | [-0.001,0.001]   | 0.0    | [-0.001,0.001] |
|       | $c_{t\varphi}$          | 0.005  | [-0.699,0.7]     | [-1.348,1.379]   | 0.012  | [-0.558,0.569] | [-1.1,1.106]     | -0.019 | [-0.019,0.019] |
|       | $c_{\tau\varphi}$       | 0.0    | [-0.007,0.007]   | [-0.014,0.014]   | 0.0    | [-0.001,0.001] | [-0.001,0.001]   | 0.0    | [-0.001,0.001] |
|       | $c_{tG}$                | -0.001 | [-0.055,0.054]   | [-0.107,0.104]   | 0.0    | [-0.017,0.018] | [-0.035,0.035]   | -0.001 | [-0.001,0.001] |
|       | $c_{tW}$                | 0.001  | [-0.047,0.049]   | [-0.091,0.095]   | -0.0   | [-0.016,0.015] | [-0.032,0.032]   | 0.0    | [-0.001,0.001] |
|       | $c_{tZ}$                | 0.0    | [-3.727,3.75]    | [-7.123,7.015]   | -0.0   | [-0.019,0.018] | [-0.037,0.038]   | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi q}^{(3)}$   | -0.0   | [-0.012,0.011]   | [-0.023,0.022]   | 0.0    | [-0.003,0.003] | [-0.007,0.007]   | -0.0   | [-0.001,0.001] |
|       | $c_{\varphi Q}^{(3)}$   | -0.007 | [-0.272,0.257]   | [-0.516,0.513]   | 0.0    | [-0.008,0.008] | [-0.015,0.016]   | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi q}^{(-)}$   | -0.0   | [-0.091,0.09]    | [-0.178,0.178]   | 0.0    | [-0.015,0.016] | [-0.03,0.03]     | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi Q}^{(-)}$   | 0.014  | [-0.517,0.544]   | [-1.027,1.019]   | -0.0   | [-0.006,0.006] | [-0.012,0.012]   | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi u}$         | -0.0   | [-0.105,0.107]   | [-0.212,0.206]   | 0.0    | [-0.031,0.031] | [-0.062,0.061]   | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi d}$         | -0.003 | [-0.241,0.232]   | [-0.461,0.445]   | 0.001  | [-0.081,0.084] | [-0.165,0.167]   | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi t}$         | 0.036  | [-1.933,2.036]   | [-3.97,3.899]    | -0.001 | [-0.176,0.173] | [-0.348,0.343]   | 0.003  | [-0.001,0.001] |
|       | $c_{\varphi l_1}$       | -0.0   | [-0.069,0.068]   | [-0.137,0.139]   | -0.0   | [-0.001,0.001] | [-0.002,0.002]   | -0.0   | [-0.001,0.001] |
|       | $c_{\varphi l_2}$       | -0.0   | [-0.095,0.096]   | [-0.192,0.186]   | -0.0   | [-0.007,0.006] | [-0.013,0.013]   | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi l_3}$       | 0.001  | [-0.091,0.094]   | [-0.182,0.178]   | 0.0    | [-0.007,0.007] | [-0.014,0.014]   | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi l_1}^{(3)}$ | -0.0   | [-0.042,0.042]   | [-0.085,0.082]   | 0.0    | [-0.002,0.002] | [-0.004,0.004]   | -0.0   | [-0.001,0.001] |
|       | $c_{\varphi l_2}^{(3)}$ | -0.0   | [-0.047,0.046]   | [-0.092,0.091]   | 0.0    | [-0.002,0.002] | [-0.004,0.004]   | -0.0   | [-0.001,0.001] |
|       | $c_{\varphi l_3}^{(3)}$ | -0.002 | [-0.081,0.078]   | [-0.16,0.158]    | -0.0   | [-0.005,0.005] | [-0.01,0.01]     | -0.0   | [-0.001,0.001] |
| 2L2H  | $c_{\varphi e}$         | -0.001 | [-0.124,0.123]   | [-0.254,0.248]   | -0.0   | [-0.001,0.001] | [-0.002,0.002]   | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi \mu}$       | -0.001 | [-0.13,0.128]    | [-0.255,0.249]   | -0.0   | [-0.008,0.007] | [-0.015,0.015]   | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi \tau}$      | -0.001 | [-0.123,0.124]   | [-0.253,0.246]   | -0.0   | [-0.007,0.007] | [-0.014,0.014]   | -0.0   | [-0.001,0.001] |
|       | $c_{Qq}^{1,8}$          | -0.031 | [-2.838,2.789]   | [-5.543,5.352]   | -0.005 | [-1.146,1.151] | [-2.237,2.248]   | 0.025  | [-0.001,0.001] |
|       | $c_{Qq}^{1,1}$          | 0.049  | [-4.974,5.091]   | [-9.856,9.788]   | -0.12  | [-4.923,4.721] | [-9.596,9.409]   | 0.113  | [-0.001,0.001] |
|       | $c_{Qq}^{3,8}$          | 0.026  | [-1.763,1.797]   | [-3.442,3.442]   | 0.031  | [-1.14,1.202]  | [-2.233,2.295]   | -0.004 | [-0.001,0.001] |
|       | $c_{Qq}^{3,1}$          | -0.001 | [-0.055,0.052]   | [-0.107,0.104]   | -0.001 | [-0.032,0.031] | [-0.064,0.061]   | -0.001 | [-0.001,0.001] |
|       | $c_{tq}^8$              | 0.041  | [-2.918,2.968]   | [-5.639,5.732]   | 0.015  | [-1.066,1.096] | [-2.092,2.123]   | -0.026 | [-0.001,0.001] |
|       | $c_{tq}^1$              | -0.033 | [-4.265,4.218]   | [-8.533,8.321]   | 0.055  | [-4.077,4.137] | [-7.916,8.011]   | -0.033 | [-0.001,0.001] |
|       | $c_{tu}^8$              | -0.002 | [-5.501,5.497]   | [-10.658,10.434] | 0.004  | [-4.256,4.274] | [-8.299,8.007]   | -0.091 | [-0.001,0.001] |
|       | $c_{tu}^1$              | 0.04   | [-8.673,8.759]   | [-16.715,16.56]  | 0.158  | [-7.083,7.411] | [-13.566,14.517] | -0.02  | [-0.001,0.001] |
|       | $c_{Qu}^8$              | -0.049 | [-4.838,4.737]   | [-8.976,8.943]   | -0.046 | [-2.474,2.42]  | [-4.856,4.62]    | 0.112  | [-0.001,0.001] |
|       | $c_{Qu}^1$              | 0.03   | [-5.879,5.854]   | [-11.571,11.685] | -0.074 | [-5.487,5.35]  | [-10.842,10.55]  | 0.08   | [-0.001,0.001] |
|       | $c_{td}^8$              | 0.089  | [-7.847,7.807]   | [-15.384,15.426] | -0.036 | [-6.513,6.437] | [-12.265,12.43]  | 0.151  | [-0.001,0.001] |
|       | $c_{td}^1$              | -0.26  | [-13.191,12.796] | [-26.011,25.233] | 0.058  | [-9.465,9.443] | [-18.338,18.183] | -0.361 | [-0.001,0.001] |
| B     | $c_{Qd}^8$              | -0.01  | [-7.027,7.134]   | [-13.56,13.808]  | 0.066  | [-3.665,3.843] | [-7.278,7.381]   | -0.157 | [-0.001,0.001] |
|       | $c_{Qd}^1$              | 0.024  | [-11.834,11.922] | [-23.953,23.615] | -0.029 | [-9.981,9.728] | [-19.584,19.309] | -0.054 | [-0.001,0.001] |
|       | $c_{ll}$                | 0.0    | [-0.042,0.043]   | [-0.084,0.084]   | 0.0    | [-0.0,0.0]     | [-0.0,0.0]       | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi G}$         | 0.0    | [-0.005,0.005]   | [-0.009,0.009]   | 0.0    | [-0.002,0.002] | [-0.003,0.003]   | -0.0   | [-0.001,0.001] |
|       | $c_{\varphi B}$         | -0.0   | [-0.182,0.18]    | [-0.341,0.335]   | 0.0    | [-0.002,0.002] | [-0.003,0.003]   | -0.0   | [-0.001,0.001] |
|       | $c_{\varphi W}$         | -0.0   | [-0.095,0.096]   | [-0.195,0.189]   | 0.0    | [-0.005,0.005] | [-0.01,0.01]     | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi WB}$        | -0.0   | [-0.111,0.111]   | [-0.228,0.221]   | 0.0    | [-0.003,0.003] | [-0.007,0.006]   | -0.0   | [-0.001,0.001] |
|       | $c_{WWW}$               | -0.001 | [-0.079,0.075]   | [-0.152,0.149]   | -0.0   | [-0.002,0.002] | [-0.004,0.004]   | -0.0   | [-0.001,0.001] |
|       | $c_{\varphi \square}$   | 0.008  | [-0.353,0.376]   | [-0.732,0.734]   | 0.0    | [-0.017,0.017] | [-0.032,0.034]   | 0.0    | [-0.001,0.001] |
|       | $c_{\varphi D}$         | 0.001  | [-0.245,0.244]   | [-0.488,0.502]   | -0.0   | [-0.006,0.006] | [-0.012,0.012]   | 0.0    | [-0.001,0.001] |

Table 1: Coefficient comparison