Principal Components Analysis: NS NLO linear

PC00 (5.36e+05): $-0.655c_{\varphi B} +0.621c_{\varphi G} +0.365c_{\varphi WB} -0.199c_{\varphi W} +0.087c_{b\varphi} -0.039c_{tW} +0.036c_{tG} +0.035c_{tZ} +0.028c_{c\varphi} +0.013c_{\tau\varphi}$

PC01 (1.90e+05): $-0.776c_{\varphi G} -0.531c_{\varphi B} +0.289c_{\varphi WB} -0.162c_{\varphi W} -0.044c_{b\varphi} -0.042c_{tG} -0.032c_{tW} +0.029c_{tZ} -0.014c_{c\varphi}$

PC02 (4.44e+03): $+0.830c_{\tau\varphi} -0.504c_{b\varphi} -0.162c_{\varphi WB} -0.099c_{\varphi B} -0.099c_{\varphi D} -0.096c_{c\varphi} +0.046c_{\varphi G}$

PC03 (2.33e+03): $-0.721c_{b\varphi} -0.556c_{\tau\varphi} -0.279c_{\varphi WB} -0.194c_{\varphi B} -0.186c_{\varphi D} -0.127c_{c\varphi} +0.073c_{\varphi G} -0.014c_{\varphi W} +0.011c_{tZ} -0.010c_{tW}$

PC04 (1.54e+03): $-0.709c_{\varphi WB} +0.399c_{b\varphi} -0.396c_{\varphi D} -0.357c_{\varphi B} +0.218c_{c\varphi} +0.041c_{\tau\varphi} -0.038c_{\varphi G} -0.030c_{\varphi W} +0.028c_{tG} -0.021c_{tW} +0.019c_{tZ} +0.011c_{\varphi\Box}$

PC05 (3.22e+02): $-0.983c_{tG} -0.111c_{c\varphi} -0.071c_{qq}^{1,8} -0.070c_{qt}^{8} +0.054c_{\varphi G} +0.047c_{b\varphi} -0.032c_{\varphi WB} -0.031c_{ut}^{8} -0.029c_{qu}^{8} +0.021c_{tW} -0.020c_{dt}^{8} -0.019c_{qd}^{8} -0.017c_{\varphi D} -0.017c_{\varphi W} -0.015c_{\varphi B} +0.012c_{\varphi Q}^{(-)}$

PC06 (2.79e+02): $-0.956c_{qq}^{1,3} +0.286c_{\varphi Q}^{3} +0.055c_{tW} +0.028c_{c\varphi} +0.023c_{qq}^{8,3}$

PC07 (1.72e+02): $-0.926c_{c\varphi} -0.233c_{\varphi W} +0.226c_{b\varphi} +0.122c_{tG} -0.111c_{\varphi WB} -0.065c_{\varphi D} -0.062c_{\varphi\Box} -0.030c_{qq}^{1,3} +0.023c_{qq}^{1,8} +0.021c_{tW} +0.013c_{t\varphi} -0.013c_{WWW} +0.012c_{qt}^{8}$

PC08 (8.30e+01): $-0.996c_{tW} -0.061c_{qq}^{1,3} +0.052c_{\varphi B} +0.023c_{qq}^{1,8} -0.023c_{c\varphi} -0.022c_{tG} +0.013c_{ut}^{8}$

PC09 (3.29e+01): $-0.795c_{qq}^{1,8} -0.423c_{ut}^{8} -0.231c_{qt}^{8} -0.201c_{dt}^{8} -0.195c_{qq}^{1,1} -0.127c_{ut}^{1} +0.094c_{tG} -0.085c_{qq}^{8,3} -0.074c_{dt}^{1} +0.069c_{\varphi W} +0.068c_{qu}^{1} +0.043c_{qu}^{8} +0.041c_{\varphi Q}^{(-)} -0.035c_{c\varphi} -0.029c_{tW} +0.028c_{qd}^{1} -0.026c_{\varphi t} +0.024c_{qt}^{1} -0.024c_{\varphi B} +0.019c_{\varphi D}$

PC10 (2.25e+01): $+0.880c_{\varphi W} -0.304c_{\varphi B} +0.262c_{\varphi D} -0.217c_{c\varphi} +0.069c_{qq}^{1,8} -0.064c_{\varphi WB} +0.059c_{b\varphi} +0.046c_{WWW} +0.034c_{qt}^{8} +0.029c_{ut}^{8} +0.022c_{t\varphi} -0.014c_{qu}^{1} +0.014c_{dt}^{8} +0.013c_{qq}^{1,1} -0.012c_{qt}^{1} -0.010c_{\varphi Q}^{3}$

PC11 (1.81e+01): $+0.731c_{qt}^{8} -0.354c_{qt}^{1} +0.307c_{qu}^{8} -0.286c_{qu}^{1} -0.241c_{qq}^{8,3} -0.175c_{ut}^{8} +0.145c_{qd}^{8} -0.123c_{qd}^{1} -0.110c_{qq}^{1,1} -0.091c_{ut}^{1} -0.070c_{qq}^{1,8} -0.064c_{dt}^{8} -0.057c_{tG} -0.053c_{\varphi Q}^{(-)} +0.034c_{\varphi t} -0.032c_{\varphi Q}^{3} -0.022c_{dt}^{1} -0.019c_{\varphi W} -0.013c_{qq}^{1,3}$

PC12 (7.64e+00): $-0.948c_{\varphi Q}^{3} -0.285c_{qq}^{1,3} -0.107c_{qq}^{8,3} +0.046c_{qt}^{1} +0.041c_{qu}^{1} -0.030c_{qt}^{8} +0.027c_{qq}^{1,8} +0.024c_{tW} -0.021c_{\varphi D} -0.021c_{qu}^{8} -0.021c_{\varphi Q}^{(-)} +0.018c_{qd}^{1} +0.016c_{WWW}$

PC13 (3.91e+00): $-0.397c_{ut}^{8} +0.383c_{qt}^{1} -0.378c_{qq}^{8,3} +0.362c_{qu}^{1} +0.335c_{qq}^{1,8} -0.302c_{\varphi Q}^{(-)} -0.201c_{dt}^{8} +0.195c_{\varphi t} -0.176c_{qq}^{1,1} +0.167c_{qd}^{1} -0.163c_{qu}^{8} +0.162c_{qt}^{8} +0.094c_{\varphi Q}^{3} -0.085c_{ut}^{1} -0.078c_{dt}^{1} -0.055c_{qd}^{8} -0.039c_{tZ} +0.018c_{qq}^{1,3} -0.015c_{\varphi D} -0.015c_{tG} +0.010c_{t\varphi}$

PC14 (2.46e+00): $-0.973c_{WWW} -0.162c_{\varphi D} +0.108c_{\varphi W} +0.090c_{\varphi WB} -0.045c_{\varphi Q}^{(-)} +0.037c_{\varphi\Box} +0.029c_{qu}^{8} +0.024c_{\varphi t} -0.023c_{qq}^{1,8}$

$+0.021c_{qq}^{8,3} +0.019c_{qq}^{1,1} +0.017c_{qu}^{1} +0.016c_{\varphi B} +0.014c_{qt}^{1} -0.014c_{c\varphi} +0.013c_{qd}^{8} -0.013c_{\varphi Q}^{3} +0.010c_{ut}^{1}$

PC15 (2.25e+00): $+0.818c_{\varphi D} -0.380c_{\varphi WB} -0.284c_{\varphi W} -0.216c_{WWW} -0.171c_{\varphi\square} -0.125c_{\varphi B} +0.065c_{c\varphi} +0.061c_{\varphi Q}^{(-)} -0.033c_{t\varphi}$ $-0.031c_{b\varphi} -0.027c_{\varphi t} +0.025c_{qt}^{1} +0.023c_{qu}^{1} +0.022c_{qt}^{8} -0.020c_{\varphi Q}^{3} -0.017c_{qq}^{8,3} -0.016c_{tZ} -0.014c_{ut}^{8}$

PC16 (1.73e+00): $+0.727c_{\varphi Q}^{(-)} -0.447c_{\varphi t} -0.295c_{qu}^{8} -0.226c_{qq}^{8,3} -0.207c_{qd}^{8} +0.147c_{qt}^{8} +0.130c_{qq}^{1,8} -0.123c_{dt}^{8} -0.120c_{ut}^{8} +0.096c_{tZ}$ $-0.065c_{\varphi D} -0.049c_{WWW} -0.045c_{qq}^{1,1} +0.033c_{qt}^{1} +0.032c_{\varphi WB} +0.024c_{\varphi W} +0.023c_{qd}^{1} +0.022c_{\varphi\square} +0.018c_{t\varphi} +0.017c_{\varphi Q}^{3} +0.017c_{\varphi B}$ $+0.013c_{tG} -0.013c_{dt}^{1} -0.011c_{ut}^{1}$

PC17 (7.86e-01): $-0.522c_{qt}^{8} -0.439c_{qt}^{1} +0.360c_{qq}^{1,8} -0.313c_{qu}^{1} -0.285c_{qq}^{1,1} -0.230c_{ut}^{8} +0.214c_{qd}^{8} -0.203c_{qq}^{8,3} -0.168c_{ut}^{1} +0.128c_{t\varphi}$ $-0.126c_{qd}^{1} -0.085c_{qu}^{8} -0.075c_{dt}^{1} -0.063c_{\varphi\square} -0.048c_{dt}^{8} -0.041c_{WWW} +0.037c_{\varphi t} +0.034c_{tt}^{1} -0.024c_{\varphi Q}^{(-)} +0.019c_{Qt}^{8} +0.017c_{QQ}^{1}$ $+0.013c_{tG} +0.013c_{\varphi Q}^{3}$

PC18 (6.11e-01): $-0.820c_{\varphi\square} +0.444c_{t\varphi} -0.176c_{qd}^{8} -0.163c_{qu}^{8} -0.109c_{\varphi D} -0.109c_{qq}^{1,8} +0.103c_{ut}^{8} -0.078c_{\varphi Q}^{(-)} +0.076c_{qt}^{8} -0.073c_{qu}^{1}$ $-0.069c_{qq}^{8,3} +0.058c_{\varphi t} +0.058c_{qq}^{1,1} +0.052c_{c\varphi} +0.050c_{\varphi WB} +0.045c_{\varphi W} +0.040c_{ut}^{1} +0.022c_{dt}^{1} +0.016c_{\varphi B} +0.011c_{tG}$

PC19 (4.95e-01): $+0.458c_{qd}^{8} -0.427c_{ut}^{8} +0.412c_{qu}^{8} +0.365c_{qq}^{1,1} -0.286c_{\varphi\square} +0.238c_{qu}^{1} +0.203c_{\varphi Q}^{(-)} +0.195c_{ut}^{1} +0.163c_{qq}^{1,8} -0.133c_{\varphi t}$ $+0.121c_{qq}^{8,3} +0.087c_{dt}^{1} -0.087c_{qt}^{8} -0.058c_{\varphi D} +0.056c_{qt}^{1} -0.041c_{tt}^{1} +0.030c_{\varphi W} +0.027c_{\varphi WB} -0.024c_{Qt}^{8} +0.022c_{tZ} +0.021c_{WWW}$ $-0.021c_{t\varphi} -0.020c_{QQ}^{1} +0.020c_{dt}^{8}$

PC20 (2.47e-01): $+0.576c_{t\varphi} +0.428c_{qq}^{1,1} +0.403c_{\varphi\square} -0.347c_{qq}^{8,3} +0.271c_{ut}^{1} -0.172c_{tt}^{1} -0.123c_{qu}^{1} +0.123c_{dt}^{1} -0.101c_{qq}^{1,8} -0.098c_{Qt}^{8}$ $-0.093c_{qu}^{8} -0.085c_{QQ}^{1} +0.078c_{\varphi D} +0.073c_{\varphi t} -0.073c_{ut}^{8} -0.056c_{qt}^{8} +0.055c_{dt}^{8} -0.049c_{\varphi Q}^{(-)} -0.049c_{\varphi W} +0.036c_{\varphi Q}^{3} -0.036c_{\varphi WB}$ $-0.029c_{QQ}^{8} +0.028c_{qd}^{8} -0.025c_{qd}^{1} +0.015c_{tG} -0.014c_{tZ}$

PC21 (1.74e-01): $-0.652c_{qq}^{8,3} -0.539c_{t\varphi} +0.256c_{ut}^{8} -0.192c_{\varphi\square} +0.166c_{ut}^{1} -0.159c_{qt}^{8} +0.149c_{\varphi t} +0.142c_{qq}^{1,1} -0.122c_{qq}^{1,8} -0.120c_{qu}^{1}$ $+0.112c_{dt}^{8} +0.093c_{qd}^{8} -0.088c_{tt}^{1} +0.070c_{\varphi Q}^{(-)} +0.069c_{\varphi Q}^{3} +0.062c_{qd}^{1} +0.054c_{qt}^{1} -0.051c_{Qt}^{8} +0.046c_{dt}^{1} +0.044c_{qu}^{8} -0.043c_{\varphi D}$ $-0.043c_{QQ}^{1} +0.026c_{\varphi W} -0.022c_{tZ} +0.020c_{\varphi WB} -0.016c_{QQ}^{8}$

PC22 (8.42e-02): $-0.432c_{tt}^{1} -0.376c_{qu}^{8} -0.354c_{qu}^{1} -0.346c_{ut}^{8} -0.336c_{t\varphi} +0.274c_{qq}^{8,3} -0.244c_{Qt}^{8} -0.212c_{QQ}^{1} -0.194c_{\varphi Q}^{(-)} +0.162c_{qq}^{1,1}$ $+0.129c_{dt}^{1} -0.114c_{qd}^{8} -0.083c_{qd}^{1} -0.083c_{\varphi\square} +0.080c_{ut}^{1} -0.072c_{dt}^{8} -0.072c_{QQ}^{8} +0.065c_{qt}^{8} +0.048c_{tZ} -0.033c_{\varphi t} -0.033c_{\varphi Q}^{3}$ $+0.029c_{qq}^{1,8} +0.014c_{qt}^{1} +0.014c_{tG}$

PC23 (7.41e-02): $+0.611c_{tt}^{1} +0.345c_{Qt}^{8} +0.300c_{QQ}^{1} -0.287c_{qu}^{1} +0.279c_{qq}^{1,1} -0.229c_{ut}^{8} -0.219c_{qu}^{8} -0.174c_{tZ} -0.172c_{\varphi Q}^{(-)} -0.150c_{t\varphi}$ $+0.138c_{ut}^{1} -0.134c_{\varphi t} +0.105c_{qt}^{1} +0.101c_{QQ}^{8} +0.088c_{dt}^{1} -0.077c_{qd}^{1} -0.029c_{qq}^{1,8} -0.028c_{qd}^{8} +0.026c_{dt}^{8} +0.019c_{qt}^{8} +0.015c_{\varphi\square}$

PC24 (4.57e-02): $+0.508c_{dt}^{8} +0.501c_{qu}^{1} -0.456c_{qt}^{1} -0.264c_{qu}^{8} -0.258c_{qd}^{1} +0.176c_{qq}^{1,1} -0.169c_{ut}^{8} -0.159c_{qd}^{8} -0.148c_{dt}^{1} -0.113c_{t\varphi}$ $-0.082c_{ut}^{1} -0.068c_{tZ} -0.064c_{qq}^{1,8} -0.061c_{qq}^{8,3} +0.060c_{qt}^{8} +0.057c_{\varphi t} -0.025c_{\varphi Q}^{(-)} -0.010c_{\varphi\square}$

PC25 (3.12e-02): $+0.847c_{tZ} +0.307c_{\varphi t} -0.199c_{ut}^{1} +0.172c_{qq}^{1,1} -0.147c_{qd}^{1} +0.145c_{qt}^{1} +0.124c_{tt}^{1} -0.107c_{qu}^{1} -0.107c_{dt}^{1} +0.092c_{dt}^{8}$ $+0.078c_{\varphi Q}^{(-)} -0.078c_{ut}^{8} -0.073c_{qd}^{8} +0.065c_{Qt}^{8} +0.061c_{QQ}^{1} +0.038c_{qu}^{8} +0.037c_{\varphi B} +0.025c_{\varphi D} +0.015c_{QQ}^{8} +0.012c_{qq}^{1,8} -0.012c_{t\varphi}$ $-0.011c_{\varphi WB} +0.011c_{\varphi\square}$

PC26 (2.63e-02): $-0.509c_{\varphi t} +0.423c_{tZ} -0.395c_{\varphi Q}^{(-)} +0.372c_{qd}^1 -0.322c_{qt}^1 -0.191c_{dt}^8 +0.182c_{ut}^1 +0.170c_{qu}^1 +0.132c_{ut}^8 +0.118c_{qd}^8$ $-0.105c_{qu}^8 -0.093c_{dt}^1 -0.077c_{qq}^{8,3} +0.058c_{qq}^{1,1} -0.042c_{t\varphi} -0.040c_{qq}^{1,8} +0.025c_{tt}^1 +0.017c_{\varphi B} +0.017c_{\varphi D} +0.014c_{\varphi Q}^3 +0.012c_{QQ}^1$ $+0.012c_{Qt}^8$

PC27 (2.50e-02): $-0.545c_{ut}^1 +0.538c_{qq}^{1,1} +0.376c_{qd}^1 -0.318c_{dt}^1 -0.268c_{dt}^8 -0.215c_{tZ} -0.141c_{qt}^1 +0.123c_{\varphi t} +0.078c_{\varphi Q}^{(-)} -0.066c_{qu}^1$ $+0.050c_{ut}^8 -0.043c_{qd}^8 +0.034c_{qq}^{8,3} -0.033c_{t\varphi} +0.030c_{qq}^{1,8} -0.019c_{qt}^8 -0.017c_{tt}^1$

PC28 (1.44e-02): $+0.501c_{\varphi t} -0.462c_{dt}^8 -0.387c_{qt}^1 +0.350c_{ut}^1 +0.317c_{dt}^1 +0.206c_{\varphi Q}^{(-)} +0.190c_{qu}^1 -0.129c_{qd}^8 +0.123c_{qd}^1 +0.123c_{tt}^1$ $+0.114c_{qq}^{8,3} -0.092c_{qu}^8 -0.082c_{t\varphi} +0.060c_{QQ}^1 +0.051c_{Qt}^8 +0.046c_{tZ} +0.019c_{qq}^{1,8} -0.018c_{\varphi Q}^3 +0.017c_{\varphi \Box} +0.014c_{qt}^8 -0.010c_{ut}^8$

PC29 (1.09e-02): $+0.601c_{dt}^1 -0.408c_{qd}^8 -0.355c_{ut}^1 +0.317c_{qu}^8 -0.245c_{\varphi t} -0.229c_{qd}^1 -0.171c_{\varphi Q}^{(-)} -0.149c_{dt}^8 -0.147c_{qq}^{8,3} +0.133c_{qq}^{1,1}$ $-0.131c_{qt}^8 +0.115c_{qu}^1 +0.072c_{qq}^{1,8} -0.058c_{qt}^1 -0.036c_{t\varphi} -0.024c_{tt}^1 +0.024c_{tZ} +0.017c_{\varphi Q}^3 +0.016c_{QQ}^8 -0.012c_{QQ}^1 +0.011c_{ut}^8$

PC30 (6.11e-03): $-0.569c_{dt}^1 -0.441c_{qd}^1 -0.365c_{qd}^8 -0.343c_{dt}^8 +0.330c_{ut}^1 +0.268c_{qu}^8 +0.100c_{qq}^{1,1} -0.099c_{qt}^8 +0.083c_{qq}^{1,8} -0.078c_{\varphi t}$ $-0.078c_{\varphi Q}^{(-)} -0.054c_{tZ} -0.052c_{tt}^1 -0.051c_{t\varphi} +0.040c_{QQ}^8 -0.030c_{qq}^{8,3} -0.025c_{QQ}^1 +0.021c_{ut}^8 +0.020c_{Qt}^8 +0.012c_{qu}^1$

PC31 (5.73e-03): $-0.538c_{qd}^1 +0.510c_{qd}^8 -0.382c_{dt}^8 -0.347c_{qu}^8 +0.268c_{ut}^8 -0.202c_{ut}^1 +0.188c_{qu}^1 +0.098c_{qq}^{1,1} +0.087c_{qt}^1 -0.084c_{qq}^{1,8}$ $+0.077c_{qt}^8 +0.059c_{dt}^1 -0.029c_{\varphi t} +0.026c_{QQ}^8 -0.022c_{qq}^{8,3} -0.021c_{\varphi Q}^{(-)} +0.020c_{Qt}^8 -0.019c_{tt}^1$

PC32 (9.18e-04): $-0.701c_{QQ}^8 -0.582c_{Qt}^8 +0.354c_{tt}^1 +0.164c_{QQ}^1 -0.110c_{Qt}^1 -0.056c_{qd}^1 -0.033c_{dt}^8 -0.026c_{\varphi t} -0.025c_{dt}^1 +0.015c_{qu}^8$ $-0.014c_{\varphi Q}^{(-)} +0.013c_{ut}^8 +0.013c_{qt}^1 +0.012c_{qq}^{1,1} -0.011c_{tZ} -0.011c_{qd}^8$

PC33 (3.46e-11): $-0.744c_{Qt}^1 +0.547c_{QQ}^1 +0.264c_{QQ}^8 -0.228c_{tt}^1 -0.161c_{Qt}^8$

PC34 (3.46e-11): $-0.720c_{QQ}^1 -0.568c_{Qt}^1 +0.360c_{tt}^1 +0.158c_{QQ}^8 -0.066c_{Qt}^8$

PC35 (3.46e-11): $-0.657c_{Qt}^8 +0.629c_{QQ}^8 +0.333c_{Qt}^1 +0.242c_{tt}^1 +0.057c_{QQ}^1$