

Principal Components Analysis: NS NLO quadratic

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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): $-0.657c_{Qt}^8 + 0.629c_{QQ}^8 + 0.333c_{Qt}^1 + 0.242c_{tt}^1 + 0.057c_{QQ}^1$