Principal Components Analysis: NS LO quadratic

 $+0.012c_{\tau\varphi}$

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 \frac{\text{PC01 (2.07e+05):}}{(2.07e+05):} + 0.709c_{\varphi G} + 0.594c_{\varphi B} - 0.327c_{\varphi WB} + 0.181c_{\varphi W} + 0.036c_{tW} + 0.033c_{b\varphi} - 0.032c_{tZ} + 0.029c_{tG} + 0.011c_{c\varphi} + 0.011c_{e\varphi} 
 \mathbf{PC02} \ (\mathbf{4.25e} + \mathbf{03}) \colon +0.879 c_{\tau\varphi} \ -0.360 c_{b\varphi} \ -0.233 c_{\varphi WB} \ -0.136 c_{\varphi D} \ -0.127 c_{\varphi B} \ -0.087 c_{c\varphi} \ +0.030 c_{\varphi G} \ -0.017 c_{\varphi W} \ +0.013 c_{tG} 
 \mathbf{PC04} \ (\mathbf{1.88e + 03}) \colon -0.871 c_{b\varphi} \ -0.378 c_{\tau\varphi} \ -0.290 c_{c\varphi} \ +0.079 c_{\varphi G} \ +0.072 c_{tG} \ +0.051 c_{\varphi WB} \ -0.016 c_{\varphi B} \ -0.013 c_{\varphi W} 
  \mathbf{PC05} \ (\mathbf{2.86e+02}) : -0.989c_{tG} - 0.067c_{qq}^{1,8} - 0.064c_{qt}^{8} - 0.058c_{b\varphi} + 0.045c_{\varphi G} - 0.042c_{c\varphi} - 0.035c_{qu}^{8} - 0.034c_{ut}^{8} - 0.023c_{qd}^{8} - 0.022c_{dt}^{8} + 0.025c_{dt}^{8} - 0.022c_{dt}^{8} + 0.025c_{dt}^{8} - 0.004c_{dt}^{8} - 0.004c_{dt}^{
 -0.021c_{qq}^{1,3} +0.020c_{tW} -0.017c_{\varphi\Box} +0.016c_{t\varphi} -0.015c_{\tau\varphi} +0.013c_{\varphi Q}^{(-)}
PC06 (2.18e+02): -0.950c_{qq}^{1,3} + 0.300c_{\varphi Q}^{3} + 0.082c_{tW} + 0.023c_{tG} + 0.014c_{c\varphi}
  \frac{\text{PC07 (1.02e+02):}}{\text{-}0.868c_{c\varphi}} - 0.372c_{\varphi W} + 0.286c_{b\varphi} + 0.100c_{tW} + 0.072c_{\varphi B} - 0.070c_{\varphi \Box} - 0.065c_{\varphi WB} - 0.026c_{\varphi D} + 0.021c_{tG} + 0.000c_{tW} + 0.000c_
+0.013c_{\tau\varphi} +0.013c_{t\varphi}
PC08 (8.28e+01): -0.989c_{tW} -0.088c_{c\varphi} -0.084c_{qq}^{1,3} +0.060c_{\varphi B} +0.026c_{b\varphi} -0.024c_{\varphi W} -0.019c_{tG} +0.017c_{qq}^{1,8} +0.012c_{\varphi Q}^{3}
-0.011c_{\varphi WB} +0.011c_{ut}^{8}
PC09 (5.20e+01): +0.568c_{qt}^{8} -0.514c_{qq}^{1,8} +0.405c_{qu}^{8} -0.372c_{ut}^{8} -0.247c_{qq}^{8,3} +0.163c_{qd}^{8} -0.147c_{dt}^{8}
+0.126c_{ad}^{8} -0.090c_{tG} -0.080c_{b\varphi} -0.060c_{gg}^{8,3} +0.049c_{\varphi WB} -0.038c_{\varphi Q}^{(-)} +0.024c_{\varphi t} -0.018c_{\varphi Q}^{3} +0.018c_{tW} -0.012c_{t\varphi}
-0.115c_{qd}^{8} - 0.071c_{b\varphi} + 0.064c_{qq}^{8,3} + 0.063c_{tG} + 0.056c_{\varphi WB} + 0.038c_{\varphi Q}^{(-)} - 0.026c_{\varphi t} - 0.021c_{t\varphi} + 0.016c_{\varphi Q}^{3} - 0.014c_{tW} + 0.013c_{\varphi \Box}
PC12 (4.19e+00): +0.950c_{\varphi Q}^3 +0.299c_{qq}^{1,3} +0.064c_{\varphi D} -0.028c_{\varphi WB} -0.024c_{\varphi W} +0.024c_{qq}^{1,8} -0.018c_{qq}^{8,3} -0.016c_{\varphi \Box} +0.014c_{qt}^{8}
+0.014c_{\varphi t} -0.013c_{tW} -0.011c_{\varphi Q}^{(-)}
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 $\frac{\textbf{PC00 (5.90e+05):}}{\textbf{+0.699}} + 0.699c_{\varphi G} - 0.597c_{\varphi B} + 0.334c_{\varphi WB} - 0.182c_{\varphi W} + 0.085c_{b\varphi} - 0.036c_{tW} + 0.032c_{tZ} + 0.028c_{c\varphi} + 0.026c_{tG} + 0.028c_{e\varphi} + 0.026c_{tG} + 0.028c_{e\varphi} + 0.026c_{tG} + 0.028c_{e\varphi} +$

 $-0.047c_{qt}^{8} -0.034c_{\varphi D} +0.026c_{\varphi Q}^{3} +0.017c_{\varphi WB} +0.016c_{tZ} -0.016c_{WWW} -0.016c_{c\varphi} +0.015c_{\varphi W} +0.011c_{qq}^{1,3}$

PC13 (2.76e+00): $+0.836c_{\varphi D} - 0.390c_{\varphi WB} - 0.286c_{\varphi W} - 0.151c_{\varphi \Box} - 0.130c_{\varphi B} + 0.112c_{c\varphi} - 0.070c_{\varphi Q}^{3} + 0.055c_{WWW} - 0.047c_{b\varphi}$

 $\textbf{PC14} \ (\textbf{1.83e} + \textbf{00}) : +0.741c_{\varphi Q}^{(-)} -0.483c_{\varphi t} + 0.287c_{ut}^8 + 0.221c_{qu}^8 -0.178c_{qq}^{1,8} + 0.156c_{qq}^{8,3} + 0.127c_{dt}^8 + 0.068c_{qd}^8 -0.051c_{t\varphi} + 0.047c_{\varphi \Box}$

 $+0.044c_{\varphi Q}^{(-)} -0.028c_{t\varphi} +0.027c_{qq}^{8,3} -0.022c_{qq}^{1,3} -0.016c_{\varphi t} -0.016c_{tZ} -0.016c_{qq}^{1,8}$

 $\underline{\textbf{PC17 (3.77e-01):}} \quad -0.729c_{WWW} \quad +0.377c_{qq}^{8,3} \quad -0.297c_{ut}^{8} \quad +0.293c_{qt}^{8} \quad -0.231c_{qu}^{8} \quad +0.181c_{qq}^{1,8} \quad -0.153c_{dt}^{8} \quad +0.139c_{\varphi Q}^{(-)} \quad -0.120c_{qd}^{8} \\ -0.073c_{\varphi t} \quad -0.045c_{t\varphi} \quad +0.025c_{\varphi D} \quad -0.012c_{\varphi WB} \quad +0.012c_{tt}^{1}$

 $\underline{\mathbf{PC23}\ (\textbf{7.57e-03}):}\ +0.566c_{ut}^{8}\ -0.533c_{qu}^{8}\ +0.413c_{qt}^{8}\ -0.404c_{qq}^{1,8}\ +0.232c_{\varphi t}\ -0.083c_{qd}^{8}\ +0.036c_{tZ}\ +0.025c_{\varphi Q}^{(-)}$

 $\frac{\textbf{PC27 (1.06e-10):}}{+0.012c_{qq}^{1,1} + 0.255c_{Qt}^{8} + 0.215c_{QQ}^{8} + 0.215c_{QQ}^{8} + 0.135c_{qt}^{1} - 0.116c_{ut}^{1} + 0.087c_{qu}^{1} + 0.084c_{tt}^{1} - 0.067c_{dt}^{1} + 0.051c_{qd}^{1} + 0.044c_{QQ}^{1} + 0.028c_{Qt}^{1}} + 0.028c_{Qt}^{1}$

 $\underline{\mathbf{PC28}\ (\mathbf{5.27e-11}):} + 0.986c_{dt}^{1} + 0.107c_{Qt}^{8} + 0.097c_{QQ}^{8} - 0.049c_{ut}^{1} + 0.040c_{qu}^{1} + 0.033c_{qt}^{1} + 0.031c_{qd}^{1} + 0.020c_{tt}^{1} + 0.013c_{Qt}^{1} + 0.011c_{QQ}^{1} +$

 $\underline{\textbf{PC29 (5.27e-11):}} - 0.843c_{qt}^{1} - 0.297c_{tt}^{1} + 0.297c_{QQ}^{8} + 0.189c_{Qt}^{8} + 0.184c_{qu}^{1} - 0.143c_{QQ}^{1} - 0.136c_{ut}^{1} + 0.052c_{Qt}^{1} - 0.040c_{qd}^{1} - 0.028c_{dt}^{1} + 0.052c_{Qt}^{1} - 0.040c_{qd}^{1} - 0.028c_{dt}^{1} + 0.060c_{qd}^{1} + 0.0$

 $\underline{\textbf{PC30 (5.27e-11):}} \ -0.969c_{qd}^{1} \ +0.193c_{qu}^{1} \ +0.132c_{qt}^{1} \ +0.050c_{QQ}^{8} \ -0.040c_{tt}^{1} \ +0.037c_{Qt}^{8} \ -0.022c_{QQ}^{1} \ +0.010c_{dt}^{1} \ +0.01$

 $\underline{\textbf{PC31 (5.27e-11):}} + 0.892c_{qu}^{1} - 0.282c_{QQ}^{8} + 0.235c_{tt}^{1} - 0.187c_{Qt}^{8} + 0.137c_{qd}^{1} + 0.094c_{QQ}^{1} - 0.063c_{ut}^{1} - 0.044c_{qt}^{1} - 0.040c_{Qt}^{1}$

 $\underline{\textbf{PC32 (5.27e-11):}} + 0.923c_{ut}^1 + 0.273c_{Qt}^8 - 0.159c_{QQ}^1 + 0.141c_{qu}^1 + 0.107c_{QQ}^8 + 0.100c_{tt}^1 + 0.059c_{Qt}^1 + 0.043c_{qd}^1 - 0.026c_{qt}^1 + 0.043c_{qd}^1 + 0.0$

 $\underline{\textbf{PC33 (5.27e-11):}} + 0.799c_{QQ}^1 + 0.383c_{QQ}^8 - 0.281c_{Qt}^8 - 0.253c_{tt}^1 + 0.206c_{ut}^1 - 0.166c_{Qt}^1 + 0.050c_{qu}^1$

 $\underline{\textbf{PC34 (5.27e-11):}} \ -0.847c_{Qt}^{1} \ -0.326c_{QQ}^{1} \ +0.313c_{QQ}^{8} \ +0.206c_{tt}^{1} \ -0.188c_{Qt}^{8}$

 $\underline{\textbf{PC35 (5.27e-11):}} \ -0.564c_{Qt}^8 \ +0.515c_{QQ}^8 \ +0.490c_{Qt}^1 \ +0.351c_{tt}^1 \ -0.232c_{QQ}^1 \ +0.490c_{Qt}^2 \ +0.490c_{Qt}^$