Covariance matrix (pointing resolution $N_{p_T^{ave}} \times N_{\eta^{dijet}}$ 500 0.15 0.1 400 0.05 0 -0.05100 -0.1 400 100 200 300 $N_{p_{\tau}^{ave}} \; x \; \bar{N_{\eta^{dijet}}}$