

Correlations for $\langle \hat{\kappa} \hat{\kappa} \rangle$ (Top Left) and \hat{N} (Bottom Right) L $[2.2 \times 10^3, 4.2 \times 10^3]$ $[1.2 \times 10^3, 2.2 \times 10^3]$ $[6.2 \times 10^2, 1.2 \times 10^3]$ $[3.2 \times 10^2, 6.2 \times 10^2]$ $[1.7 \times 10^2, 3.2 \times 10^2]$ $[9.0 \times 10^1, 1.7 \times 10^2]$ $[4.7 \times 10^1, 9.0 \times 10^1]$ $[2.5 \times 10^1, 4.7 \times 10^1]$ $[1.3 \times 10^1, 2.5 \times 10^1]$ $[1.3 \times 10^1, 2.5 \times 10^1]$ $[2.5 \times 10^1, 4.7 \times 10^1]$ $[4.7 \times 10^1, 9.0 \times 10^1]$ $[9.0 \times 10^1, 1.7 \times 10^2]$ $[1.7 \times 10^2, 3.2 \times 10^2]$ $[3.2 \times 10^2, 6.2 \times 10^2]$ $[6.2 \times 10^2, 1.2 \times 10^3]$ $[1.2 \times 10^3, 2.2 \times 10^3]$ $[2.2 \times 10^3, 4.2 \times 10^3]$ L 