Histograms of Uncorrelated vs Correlated Distances 0.30 0.30 **Uncorrelated Data Uncorrelated Data Correlated Data Correlated Data** 0.25 0.25 0.20 0.20 Density Density Mean Mean SD SD $ar{r}_{\sf abs} = 0.1477$ $ar{r}_{\sf abs} = 0.0846$ 0.05 0.05 0.00 0.00 20 30 10 20 30 40 50 10 40 50 TiTv Distance TiTv Distance 0.30 0.30 **Uncorrelated Data Uncorrelated Data Correlated Data Correlated Data** 0.25 0.25 0.20 0.20 **Density** Mean Mean SD SD 11 11 11 $ar{r}_{\mathsf{abs}} = \overline{0.2333}$ $ar{r}_{\sf abs} = 0.3130$ 0.05 0.05 0.00 0.00 30 10 20 30 40 50 10 20 40 50 TiTv Distance TiTv Distance