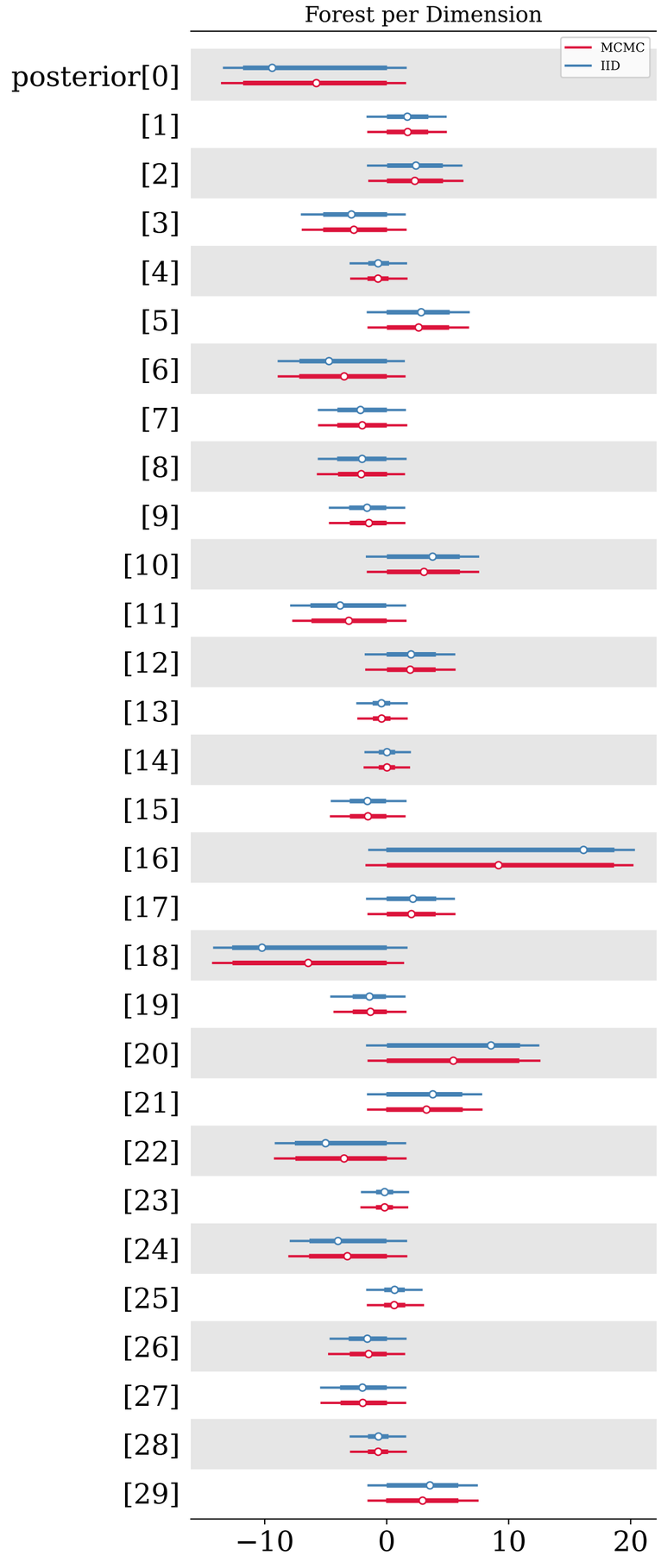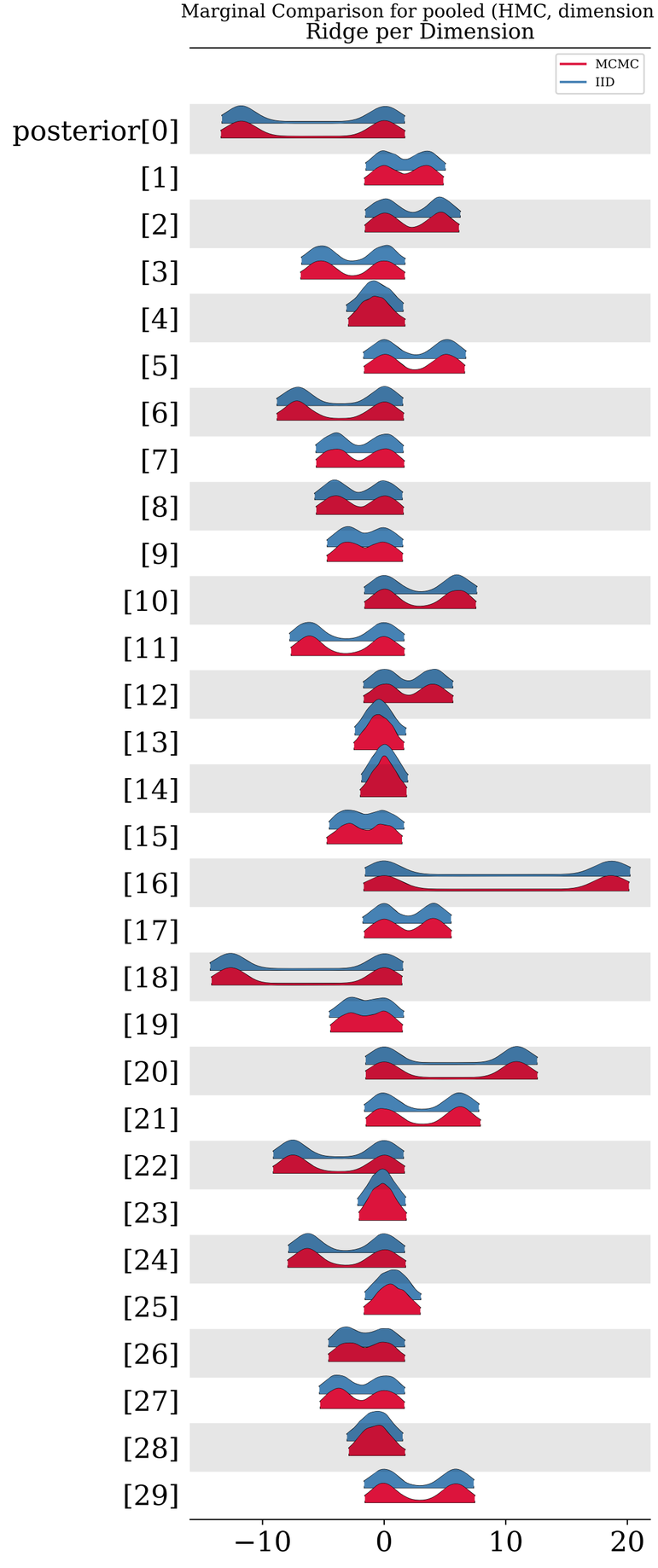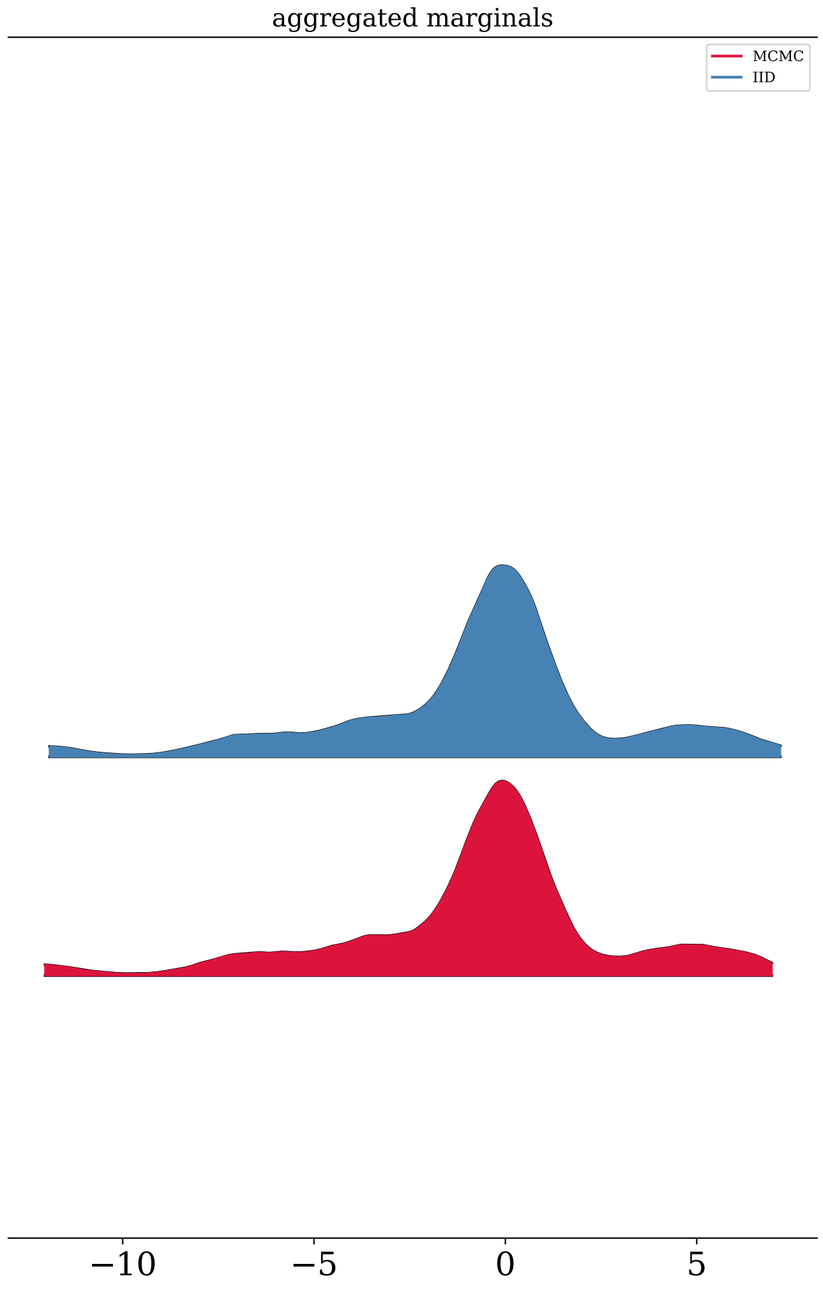Marginal Comparison for pooled (HMC, dimension = 30)