



Figure 2: Comparison between NUTS and our samplers for IRT model with identity covariance matrix: The x-axis in each plot corresponds to the desired accept probability δ of the primal-dual averaging algorithm. The y-axis is the minimum ESS per gradient for each parameter group. ESS of samples of NUTS, eHMC, eHMCq and eHMCu is estimated by `effectiveSize` of R package `coda`.