nmf_cm10_linear_FB_param_hist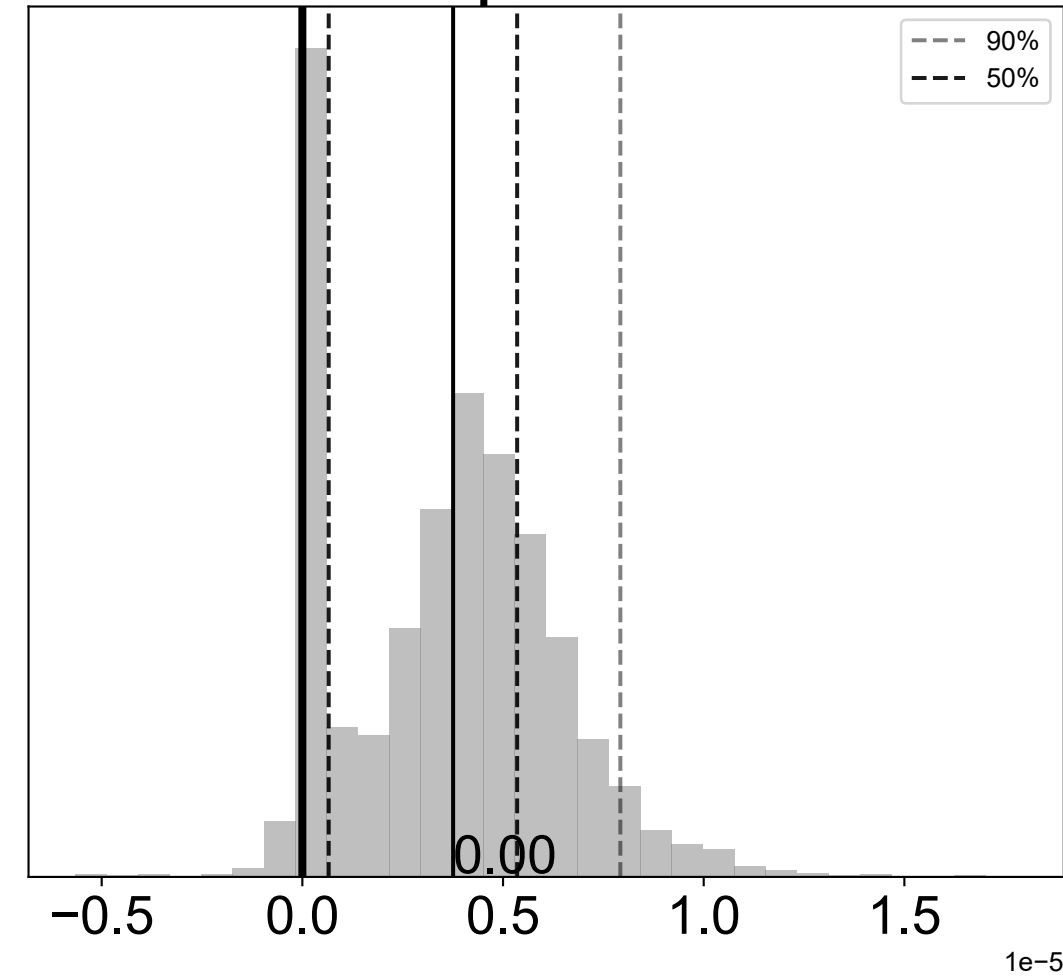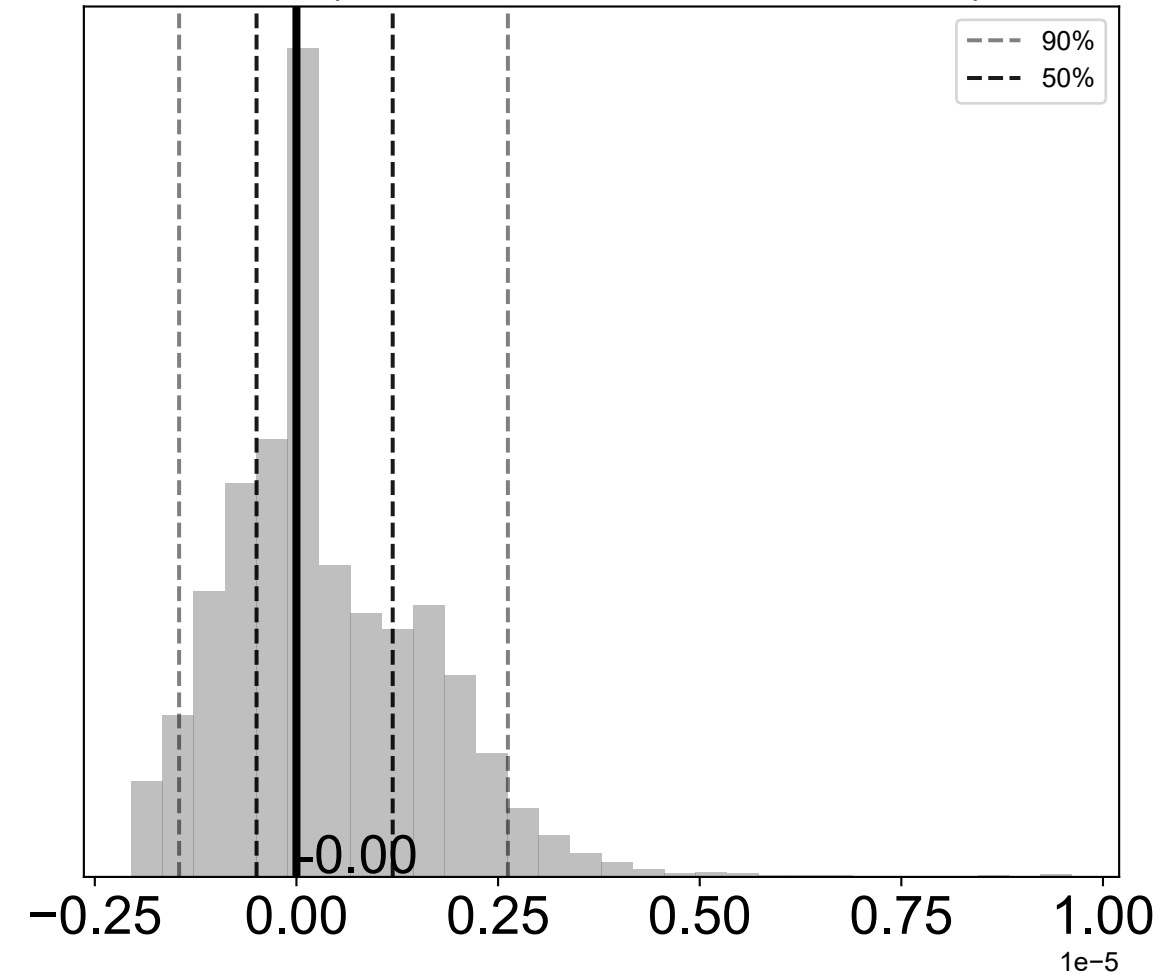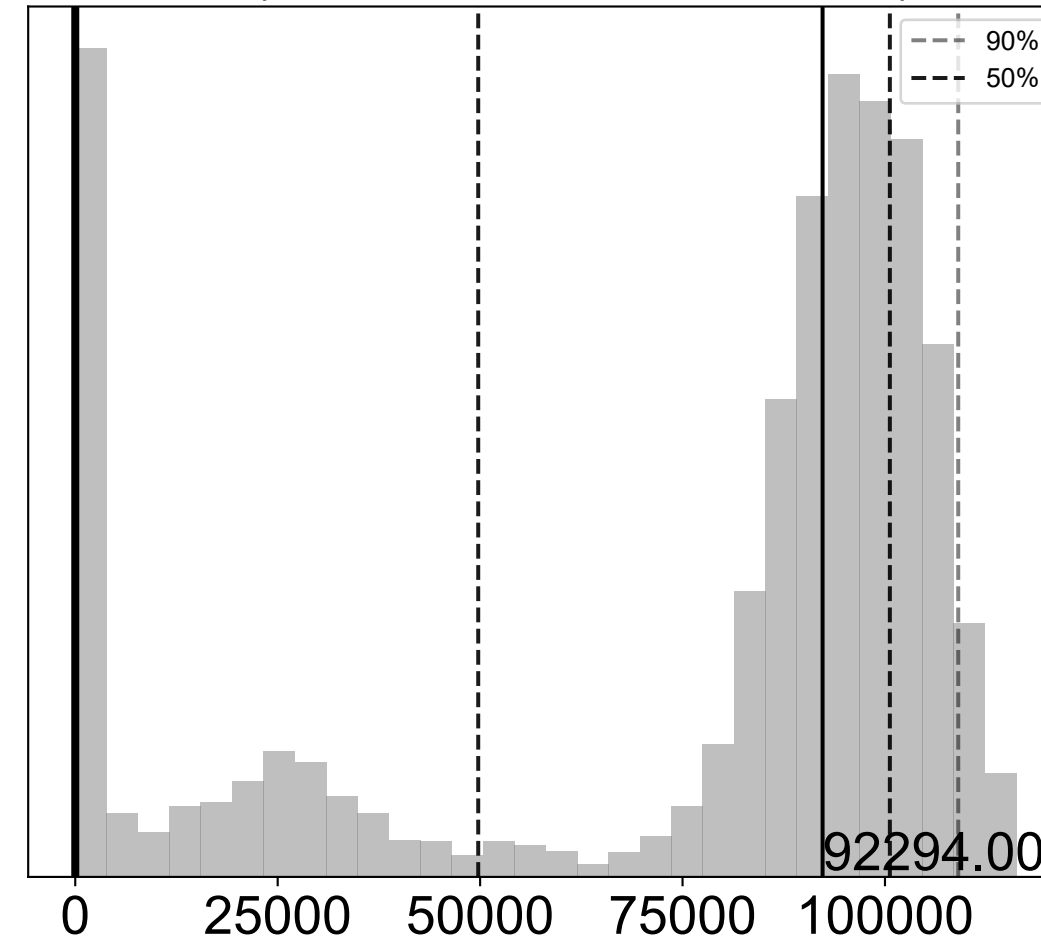s