Asynchronous inputs dend apical dendrite[154] loc 0.375 70 dend apical dendrite[174] loc 0.5 60 dend apical_dendrite[175] loc 0.5 measured EPSP (mV) 50 dend apical dendrite[176] loc 0.5 40 dend apical dendrite[178] loc 0.5 dend apical dendrite[178] loc 0.9 30 dend apical dendrite[179] loc 0.5 20 dend apical dendrite[188] loc 0.5 dend apical dendrite[188] loc 0.9 10 dend apical dendrite[189] loc 0.5 0 dend apical dendrite[190] loc 0.25 dend apical dendrite[190] loc 0.75 10 15 20 dend apical dendrite[232] loc 0.25 expected EPSP (mV) dend apical_dendrite[232] loc 0.75 plot of mean input-output curve SD 50 **SEM** 40 measured EPSP (mV) 30 20 10 0 -100 2 5 6 7 1 3 expected EPSP (mV)