$2\omega_0$  contours, chopper radius 260 mm, 180 mm from focus 0.20 -22 GHz: 22 GHz  $\eta_{go} = 0.80, \, \eta_{2\omega_0} = 0.00$ 37 GHz 37 GHz: 0.15  $\eta_{\text{go}} = 0.87, \, \eta_{2\omega_0} = 0.26$ 43 GHz 43 GHz: 86 GHz  $\eta_{go} = 0.89, \, \eta_{2\omega_0} = 0.34$ 0.10 86 GHz:  $\eta_{go} = 0.92, \, \eta_{2\omega_0} = 0.54$ 0.05 0.00 -0.05-0.10-0.15-0.20-0.10.0 0.1 0.2 0.3 [m]