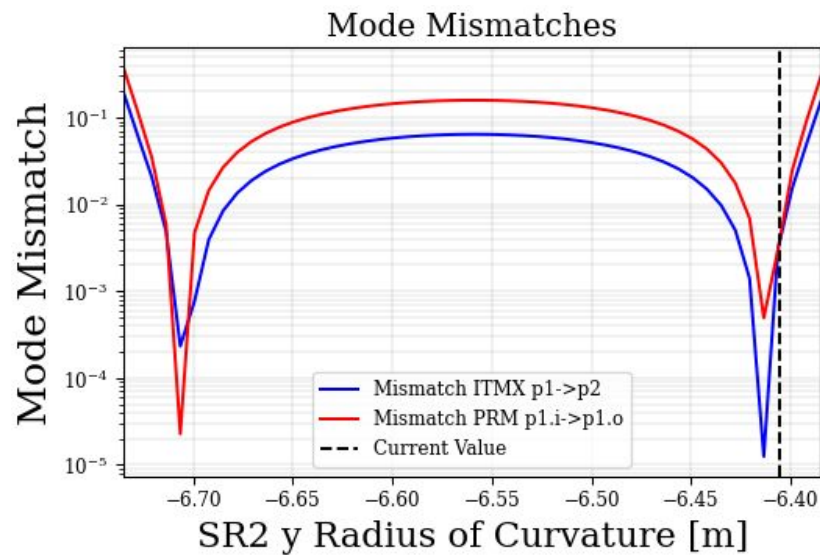
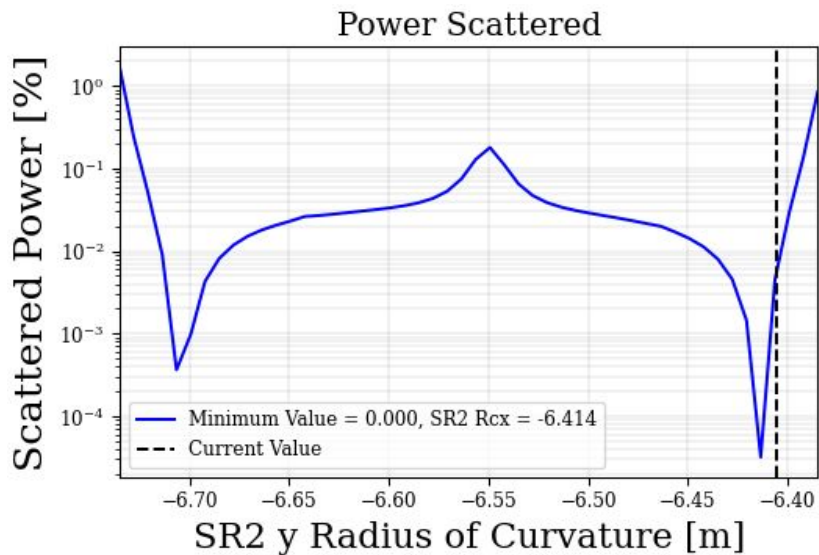


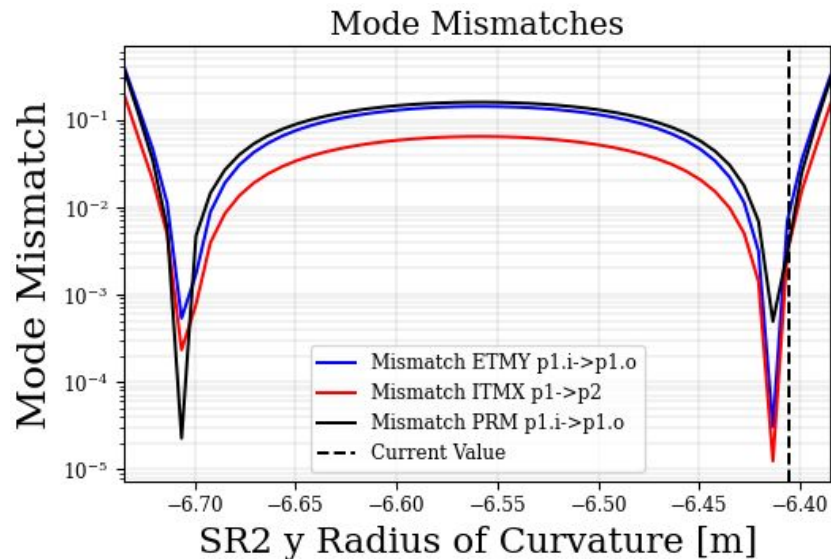
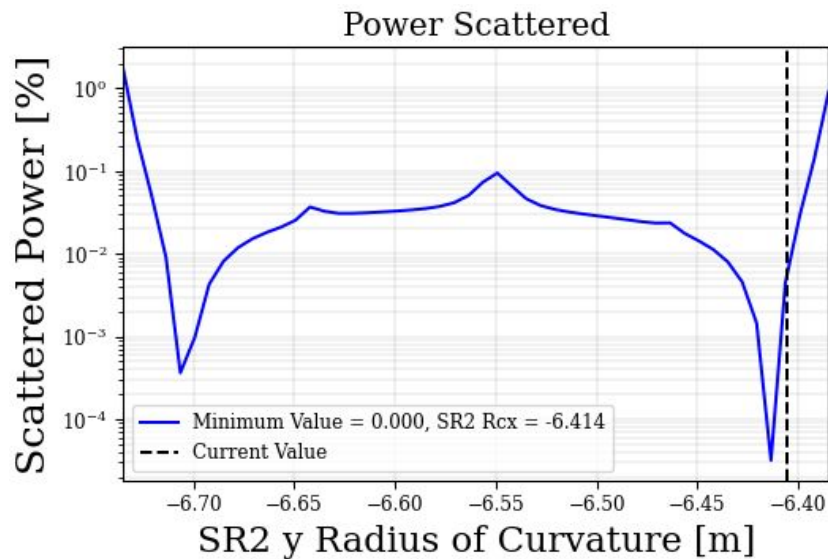
Full ALIGO Interferometer Simulations

Varying Rcy of SR2 with 2 arm cavities and SRC



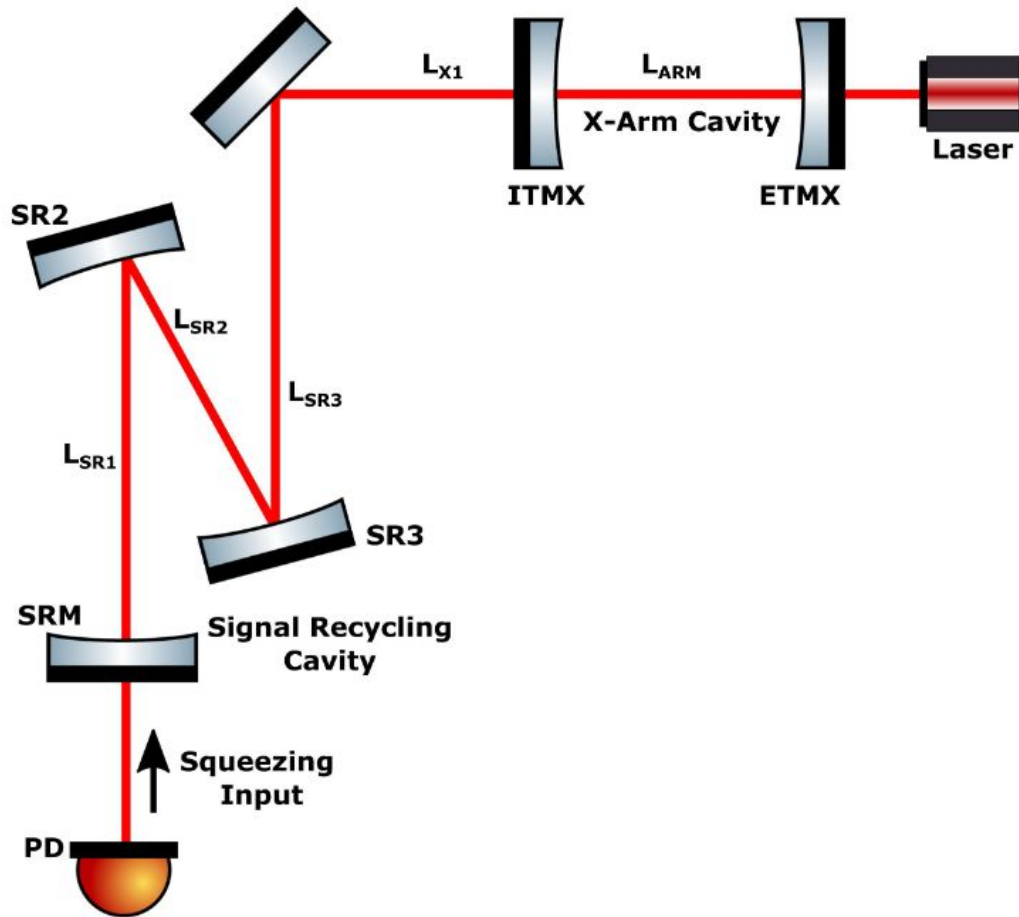
Why is there mismatch on PRM?

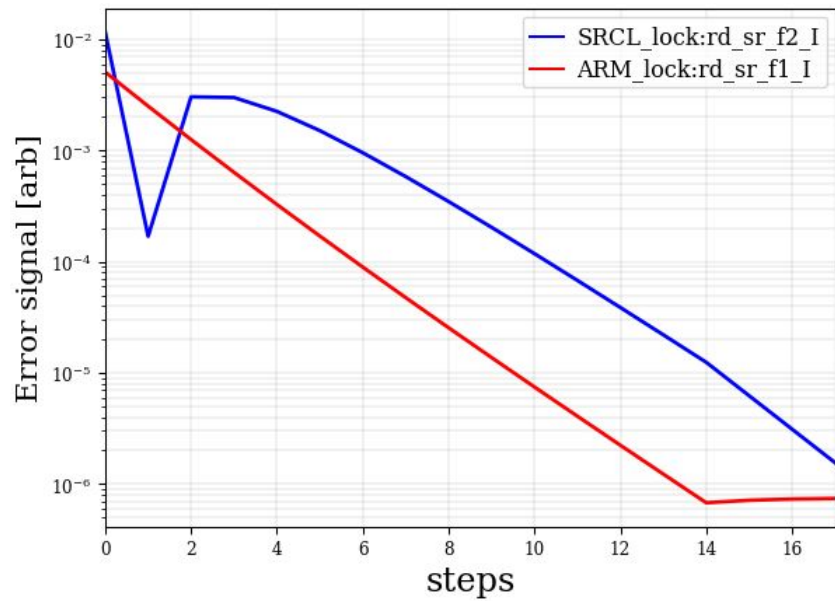
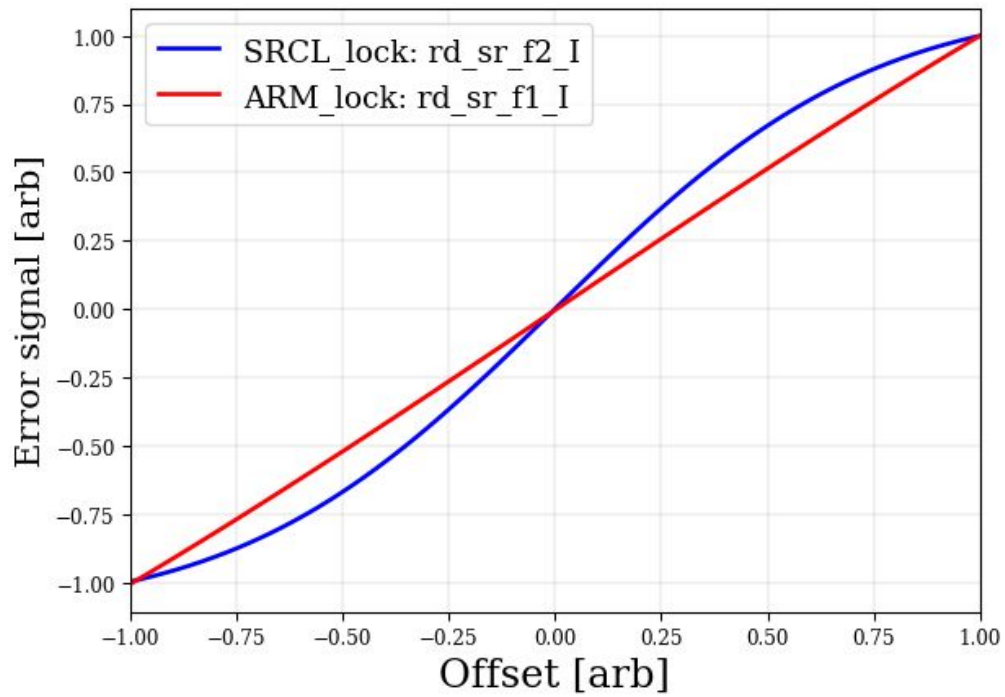
Varying Rcy of SR2 with 1 arm cavity and SRC

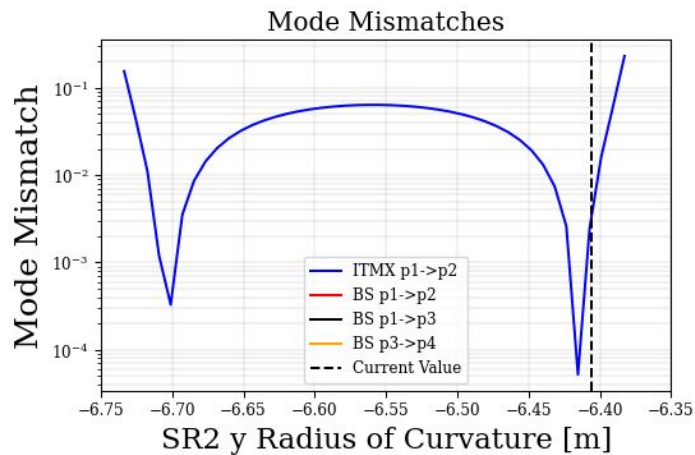
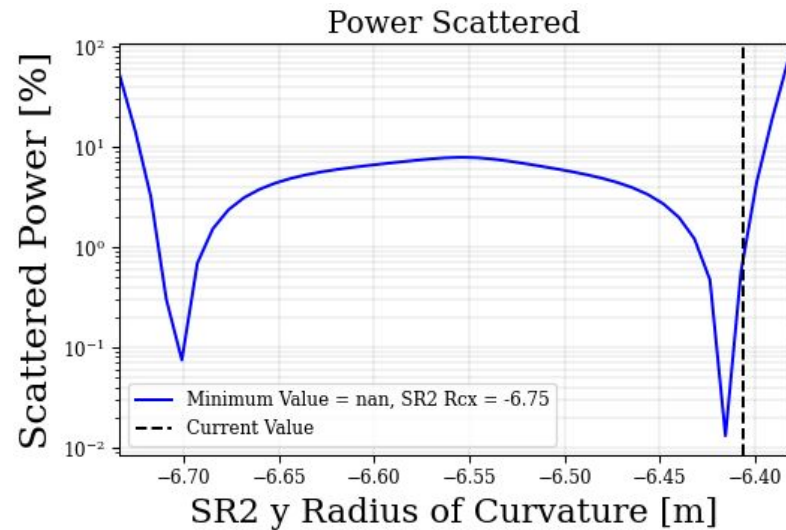
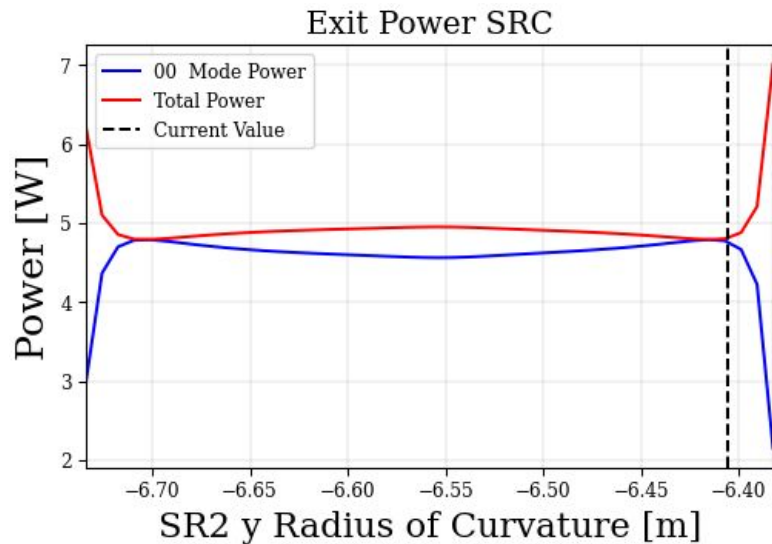


Why is there mismatch on ETMY?

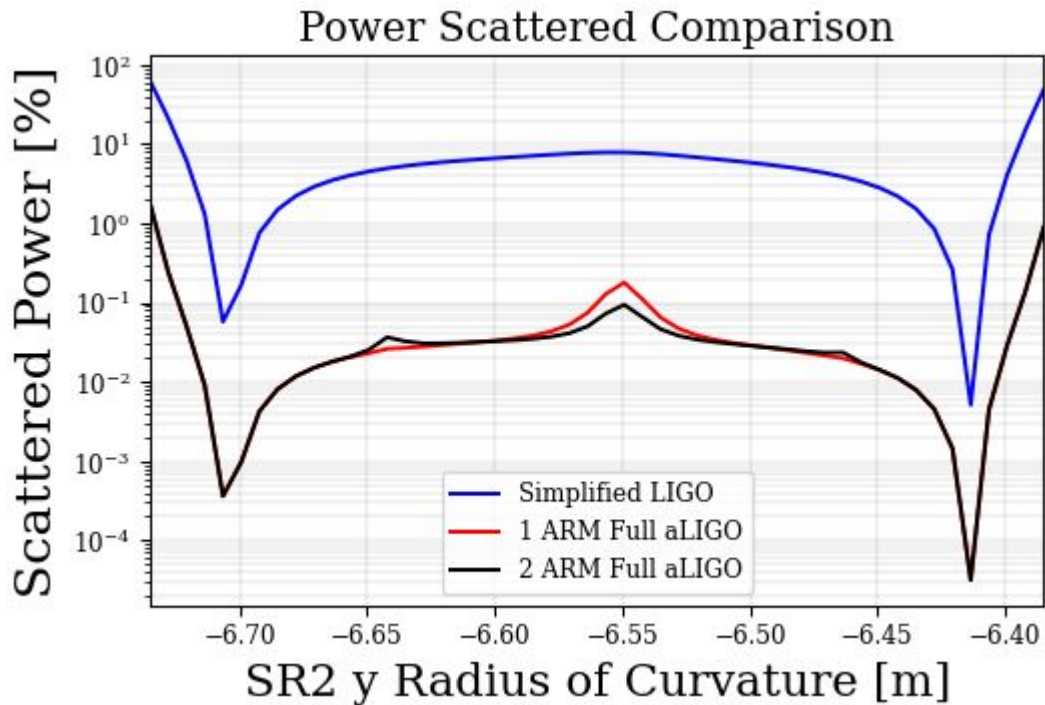
One Arm LIGO Interferometer Simulations

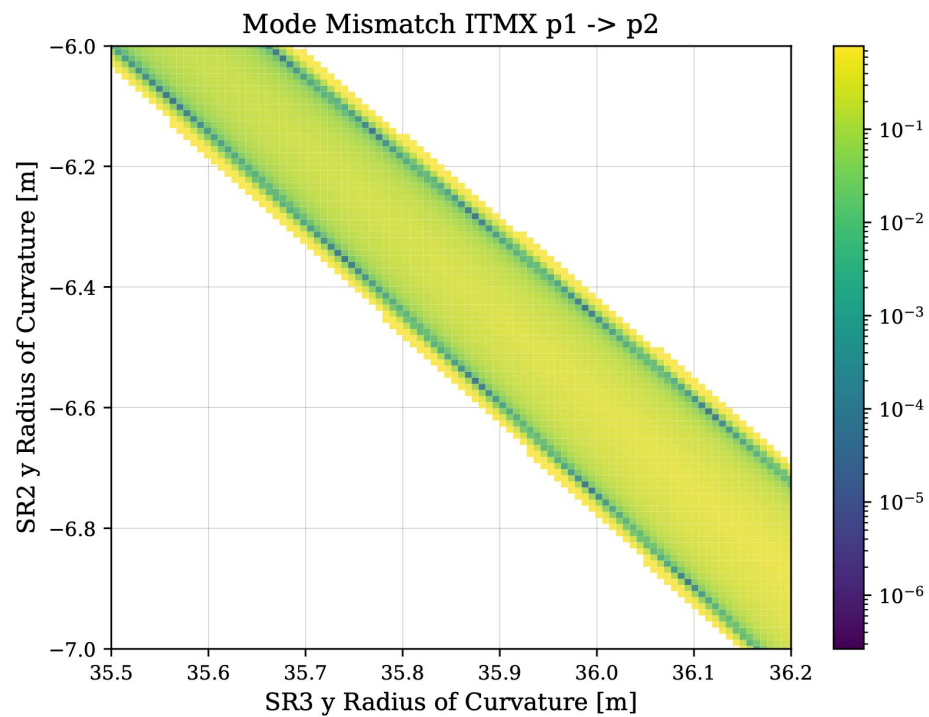
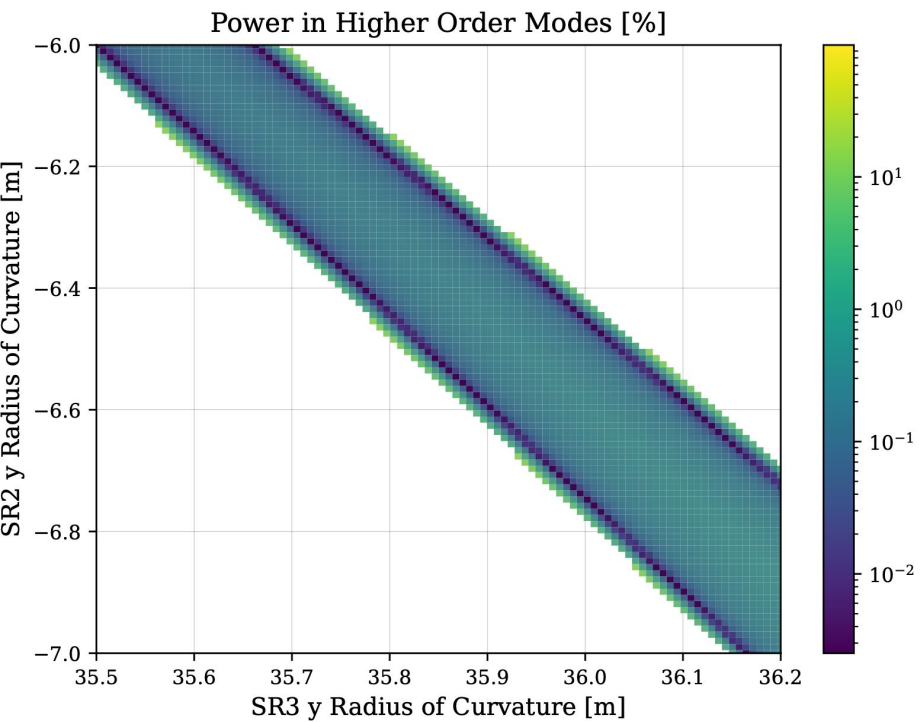




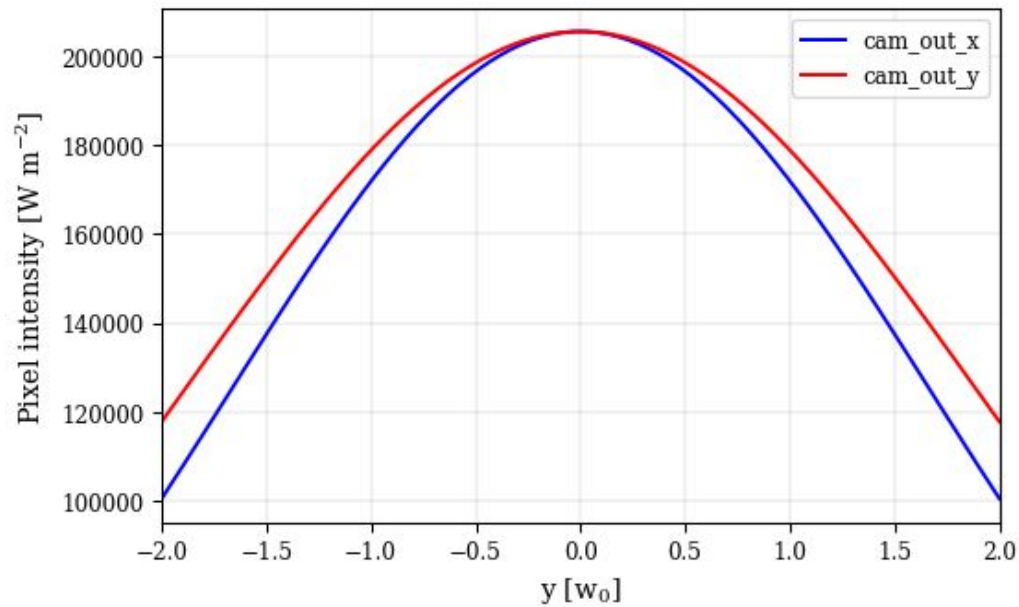
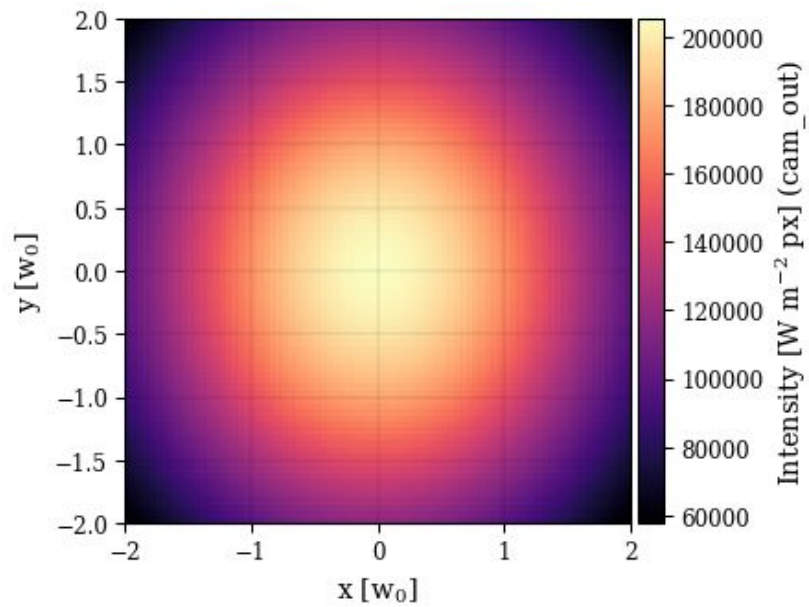


Comparison Check Between Full Interferometer and Simplified Model

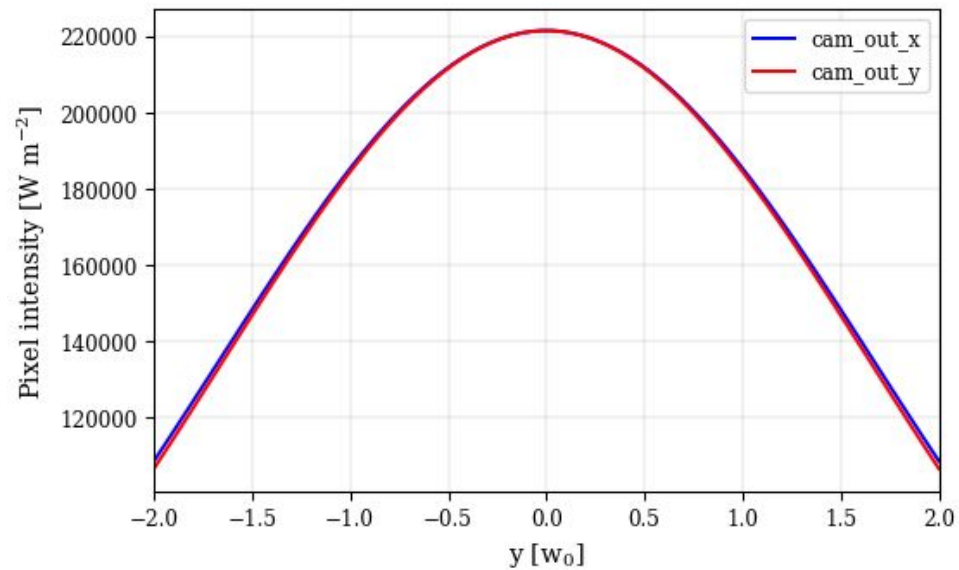
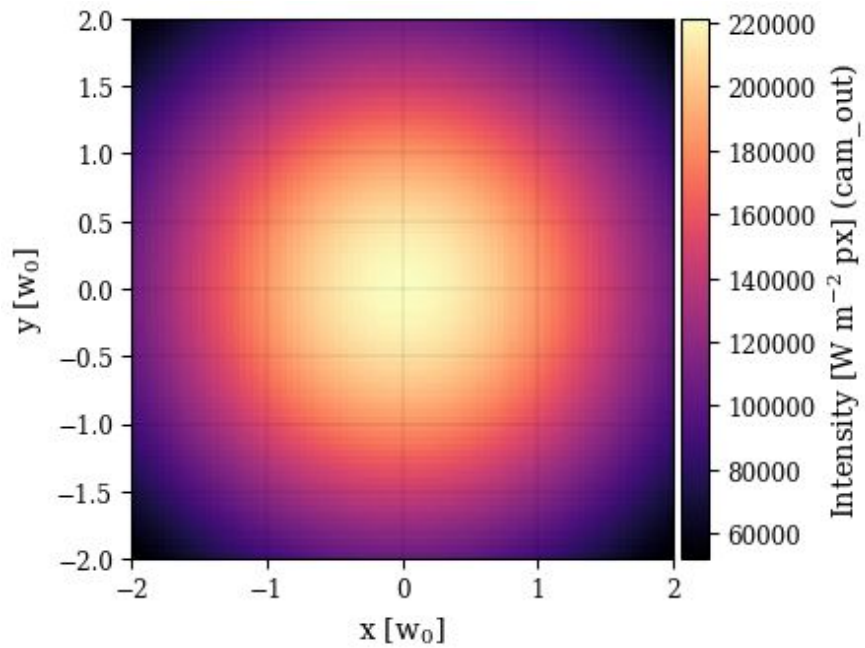




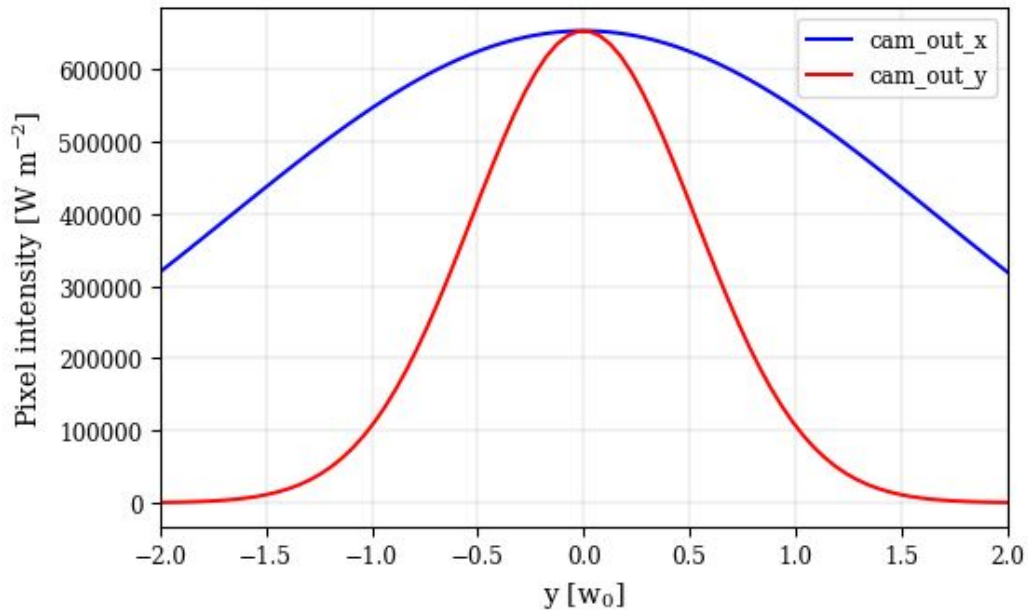
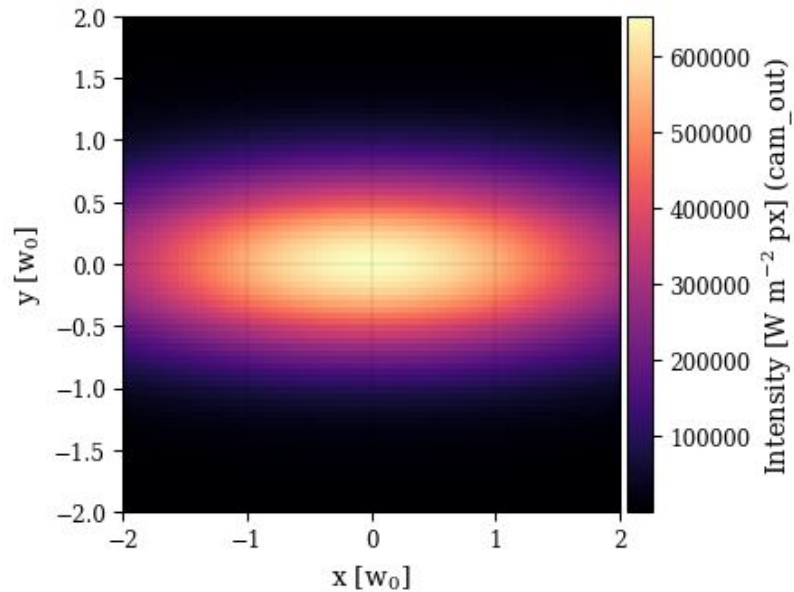
Full Interferometer Intensity Plots



Current State



Near Optimal Point



Alternate Optimal Point

Mode mismatch is near zero, why do we get a very astigmatic beam?