$$\beta_{xRMS} = 0.129 \quad \beta_{yRMS} = 0.017 \quad C_-^0 = 2.625\text{e-}03$$
$$C_-^{res-betabeat} = 4.411\text{e-}05 \quad C_-^{reS} = 8.952\text{e-}04$$