Beam size at the spoiler:

$$\sigma_x \approx \left[D_{x,sp}^2 \frac{\delta_{flat}^2}{12} + R_{12}^2 K_s^2 D_{x,sext}^2 \left(\frac{\delta_{flat}^2}{12} + \delta_0^2 \right) \beta_{y,sext} \epsilon_y \right]^{1/2}$$

$$\sigma_y \approx \left[\frac{1}{4} R_{34}^2 D_{x,sext}^4 K_s^2 \left(\frac{\delta_{flat}^4}{180} + \frac{1}{3} \delta_{flat}^2 \delta_0^2 \right) \right]^{1/2}$$

Collimation half gap:

$$R_{12} = 763.171\, m$$

$$R_{34} = 131.4917\, m$$

Momentum collimation depth: $\Delta = 0.013$

Skew sextupole strength: $K_s = 104\, m^{-2}$

$$a_x = \Delta D_{x,sp} = 2.21\, mm$$

$$a_y = 0.5 \left| R_{34} K_s \right| D_x^2 \Delta^2 = 8.349\, mm$$