



HL-LHC v1.5. Flat optics. End of levelling. Bunch 1891 (8b4e)

$N_b = 1.4 \times 10^{11}$ ppb, $\beta_{y,IP1}^* = 7.5$ cm, $\beta_{x,IP1}^* = 18$ cm, $\Phi/2_{IP1(H)/5(V)} = 250$ μ rad, CC ON

$\sigma_z = 7.61$ cm, $\Phi/2_{IP8,V} = 170$ μ rad, $\varepsilon_n = 2.5$ μ m, $Q' = 15$, $\{Q_y\} = \{Q_x\} + 0.005$, $C^- = 10^{-3}$

