

HL-LHC v1.5. Flat optics. Start of levelling. CC ON. Bunch 1147.

$N_b \simeq 2.2 \times 10^{11}$ ppb, $\beta_{y,IP1}^* = 0.5$ m, $\beta_{x,IP1}^* = 1$ m, $\Phi/2_{IP1(H)/5(V)} = 250 \mu\text{rad}$

$\sigma_z = 7.61$ cm, $\Phi/2_{IP8,V} = 170 \mu\text{rad}$, $\varepsilon_n = 2.5 \mu\text{m}$, $Q' = 5.0$, $I_{MO} = 410.0$ A, $C^- = 0.001$

F. Scheme : 25ns_2228b_2216_1686_2112_hybrid_8b4e_2x56b_25ns_3x48b_12inj

