

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

$N_b \simeq 1.3 \times 10^{11}$  ppb,  $\beta_{y,IP1}^* = 7.5$  cm,  $\beta_{x,IP1}^* = 18$  cm,  $\Phi/2_{IP1(H)/5(V)} = 250 \mu\text{rad}$

$\sigma_z = 7.61$  cm,  $\Phi/2_{IP8,V} = 170 \mu\text{rad}$ ,  $\varepsilon_n = 2.5 \mu\text{m}$ ,  $Q' = 15$ ,  $I_{MO} = 60.0$  A,  $C^- = 0.001$

F. Scheme : 25ns\_2228b\_2216\_1686\_2112\_hybrid\_8b4e\_2x56b\_25ns\_3x48b\_12inj

