

HL-LHC v1.6. E = 7.0 TeV. CC = -96.6 μ rad. N_b \simeq 2.2 \times 10¹¹ ppb,

L_{1/5} = 5.08 \times 10³⁴ cm⁻² s⁻¹, L₂ = 7.24 \times 10³⁰ cm⁻² s⁻¹, L₈ = 1.97 \times 10³³ cm⁻² s⁻¹

$\beta_{x,1}^* = 0.58$ m, $\beta_{y,1}^* = 0.58$ m, polarity IP_{2/8} = 1/1

$\Phi/2_{1(H)} = 250$ μ rad, $\Phi/2_{5(V)} = 250$ μ rad, $\Phi/2_{2,V} = -170$ μ rad, $\Phi/2_{8,V} = 170$ μ rad

$\sigma_z = 7.61$ cm, $\epsilon_n = 2.3$ μ m, Q' = 15, I_{MO} = -60.0 A, C⁻ = 0.001

25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns.json. Bunch 150.

