HL-LHC v1.6. E = 7.0 TeV. $N_b \simeq 2.3 \times 10^{11}$ ppb, $L_{1/5} = 3.24 \times 10^{34} \text{cm}^{-2} \text{s}^{-1}, L_2 = 4.62 \times 10^{30} \text{cm}^{-2} \text{s}^{-1}, L_8 = 1.65 \times 10^{33} \text{cm}^{-2} \text{s}^{-1}$ $\beta_{v_1}^* = 0.7 \text{ m}, \beta_{v_1}^* = 2.8 \text{ m}, \text{ polarity IP}_{2/8} = 1/1$ $\Phi/2_{1(H)} = 250 \text{ µrad}, \Phi/2_{5(V)} = 250 \text{ µrad}, \Phi/2_{2,V} = -170 \text{ µrad}, \Phi/2_{8,V} = 170 \text{ µrad}$ $\sigma_z = 7.61 \text{ cm}, \ \varepsilon_n = 2.0 \ \mu\text{m}, \ Q' = 15, \ C^- = 0.001$ 25ns 2760b 2748 2492 2574 288bpi 13inj 800ns bs200ns converted.json. Bunch 150. 7.5 - 7.0 62.322 -62.32 -62.318 -5.2 4.9 4.8 4.9 4.7 4.8 4.6 4.8 4.7 4.8 4.9 4.6 4.9 4.9 4.5 4.9 ≤4.5 4.6 4.7 4.5 ≤4.5 4.8 4.8 ≤4.5 - 5.0

Octupoles Intensity (A)

0.0 37.5 75.0 112.5 150.0 187.5 225.0 262.5