

HL-LHC v1.6. E = 7.0 TeV.

$$L_{1/5} = 5.46 \times 10^{34} \text{ cm}^{-2} \text{ s}^{-1}, L_2 = 1.78 \times 10^{29} \text{ cm}^{-2} \text{ s}^{-1}, L_8 = 2.05 \times 10^{33} \text{ cm}^{-2} \text{ s}^{-1}$$

$$\text{PU}_{1/5} = 142, \beta_{x,1}^* = 0.15 \text{ m}, \beta_{y,1}^* = 0.15 \text{ m}, \text{polarity IP}_{2/8} = 1/1$$

$$\Phi/2_{2,v} = -170 \text{ } \mu\text{rad}, \Phi/2_{8,v} = 170 \text{ } \mu\text{rad}$$

$$\sigma_z = 7.61 \text{ cm}, Q' = 15, I_{\text{MO}} = 60.0 \text{ A}, C^- = 0.001$$

25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns_converted.json. Bunch 149.

