HL-LHC v1.6. E = 7.0 TeV. CC = −96.6 µrad. $N_b \simeq 2.2 \times 10^{11}$ ppb,
$L_{1/5} = 5.08 \times 10^{34}$ cm^{-2}s^{-1}, $L_2 = 7.24 \times 10^{30}$ cm^{-2}s^{-1}, $L_8 = 1.97 \times 10^{33}$ cm^{-2}s^{-1}
$PU_{1/5} = 133$, $\beta^*_{x,1} = 0.58$ m, $\beta^*_{y,1} = 0.58$ m, polarity IP$_{2/8}$ = 1/1
$\Phi/2_{1(H)} = 250$ µrad, $\Phi/2_{5(V)} = 250$ µrad, $\Phi/2_{2,V} = -170$ µrad, $\Phi/2_{8,V} = 170$ µrad
$\sigma_z = 7.61$ cm, $\varepsilon_n = 2.3$ µm, $Q' = 15$, $I_{MO} = -60.0$ A, $C^- = 0.001$
25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns.json. Bunch 150.