HL-LHC v1.6. E = 7.0 TeV. $N_b \simeq 2.2 \times 10^{11}$ ppb,
$L_{1/5} = 0 \text{cm}^{-2}\text{s}^{-1}$, $L_2 = 6.28 \times 10^{30}\text{cm}^{-2}\text{s}^{-1}$, $L_8 = 1.96 \times 10^{33}\text{cm}^{-2}\text{s}^{-1}$
$\beta^*_{y,1} = 1.8$ m, $\beta^*_{x,1} = 0.9$ 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, $Q' = 15$, $I_{MO} = -150$ A, $C^- = 0.001$
25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns.json. Bunch 150.