HL-LHC v1.6. E = 7.0 TeV. $N_b \simeq 2.3 \times 10^{11}$ ppb,
$L_{1/5} = 2.82 \times 10^{34} \text{cm}^{-2}\text{s}^{-1}$, $L_2 = 4.5 \times 10^{30} \text{cm}^{-2}\text{s}^{-1}$, $L_8 = 1.73 \times 10^{33} \text{cm}^{-2}\text{s}^{-1}$,
$\beta^*_{y,1} = 0.7$ m, $\beta^*_{x,1} = 2.8$ 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, $Q' = 15$, $C^- = 0.001$
25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns_converted.json. Bunch 150.