HL-LHC v1.6. E = 7.0 TeV. CC = 0.0 μrad. $N_b \simeq 1.89 \times 10^{11}$ ppb.
$L_{IP1} \simeq 6.44 \times 10^{34}$ cm^{-2}s^{-1}. $PU_{IP1} \simeq 237$. $L_{IP5} \simeq 6.4 \times 10^{34}$ cm^{-2}s^{-1}. $PU_{IP5} \simeq 235$.
$L_{IP2} \simeq 1.03 \times 10^{28}$ cm^{-2}s^{-1}. $PU_{IP2} \simeq 6.27 \times 10^{-5}$. $L_{IP8} \simeq 2.38 \times 10^{33}$ cm^{-2}s^{-1}. .
$\beta^*_{x,1} = 0.15$ m, $\beta^*_{y,1} = 0.15$ m. polarity $IP_{2/8} = 1/1$. $\sigma_z = 7.61$ cm.
$\Phi/2_{1(H)} = 250$ μrad. $\Phi/2_{5(V)} = 250$ μrad. $\Phi/2_2 = -170$ μrad. $\Phi/2_{8,V} = 170$ μrad.
$\varepsilon_n = 2.5$ μm. $Q' = 15$. $I_{OCT} = -60.0$ A. $C^- = 0.001$.
8b4e_1972b_1960_1178_1886_224bpi_12inj. Bunch 88.