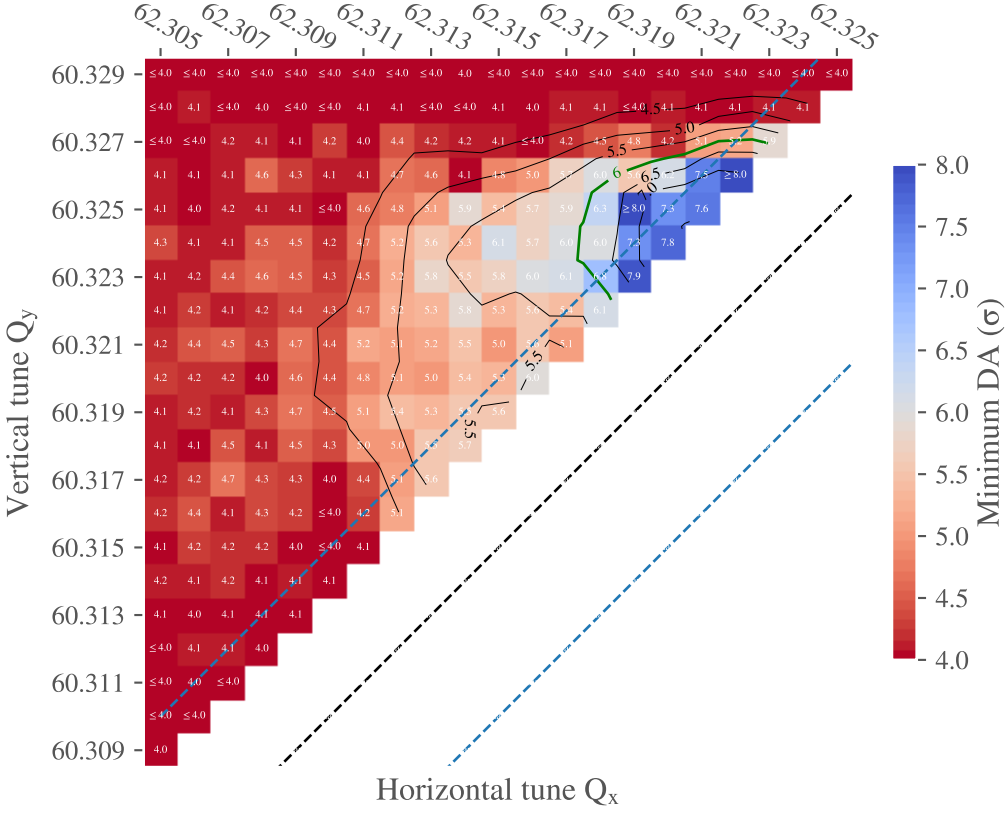HL-LHC v1.6. E = 7.0 TeV. CC = 0.0 μrad. $N_b \simeq 2.2 \times 10^{11}$ ppb,
$L_{1/5} = 2.52 \times 10^{34} cm^{-2}s^{-1}$, $L_2 = 6.87 \times 10^{30} cm^{-2}s^{-1}$, $L_8 = 1.97 \times 10^{33} cm^{-2}s^{-1}$
$PU_{1/5} = 66.2$, $\beta^*_{x,1} = 1.1$ m, $\beta^*_{y,1} = 1.1$ m, polarity $IP_{2/8} = 1/1$
$\Phi/2_{1(H)} = 250$ 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, $Q' = 15$, $I_{MO} = -300.0$ A, $C^- = 0.001$
25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns.json. Bunch 150.