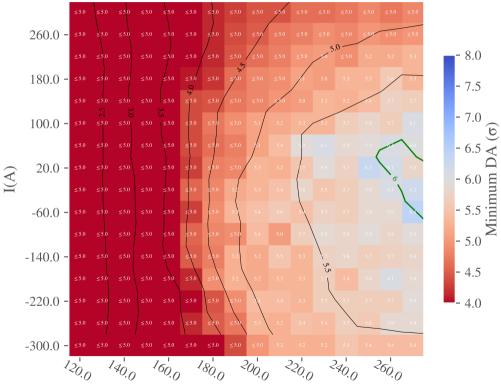HL-LHC v1.6. E = 7.0 TeV.
$L_{1/5} = 5.39 \times 10^{34} cm^{-2} s^{-1}$, $L_2 = 1.82 \times 10^{29} cm^{-2} s^{-1}$, $L_8 = 2.05 \times 10^{33} cm^{-2} s^{-1}$
$PU_{1/5} = 140$, $\beta_{x,1}^* = 0.15$ m, $\beta_{y,1}^* = 0.15$ m, polarity $IP_{2/8} = 1/1$
$\Phi/2_{2,V} = -170$ μrad, $\Phi/2_{8,V} = 170$ μrad
$\sigma_z = 7.61$ cm, $\varepsilon_n = 2.5$ μm, $Q' = 15$, $C^- = 0.001$
25ns_2760b_2748_2492_2574_288bpi_13inj_800ns_bs200ns_converted.json. Bunch 149.