

EuPRAXIA bunch parameters

Parameter	Case 1	Case 2	Simulations
Energy	5 GeV	3 GeV	1 GeV
Charge	100 pC	30pC	30pC
Bunch length σ_ξ (RMS)	1.5 μm	0.9 μm	5.0 μm
Bunch width σ_r (RMS)	0.3 μm	0.3 μm	5.0 μm
Energy spread (RMS)	5%	5%	1%
Transverse divergence (RMS)	0.32 mrad	0.41 mrad	10 μrad