

Machine Parameters of Positron Damping Ring

Parameters		Unit
Energy	1.1	GeV
Circumference	135.498295	m
# of bunch	2	
# of bunch / train	2	
Max. stored current	70.8	mA
Energy loss per turn	0.0847	MV
Damping time ($\tau_x / \tau_y / \tau_z$)	11.5 / 11.7 / 5.8	msec
Emittance ($\epsilon_x / \epsilon_y / \epsilon_z$)	41.5 / 2.1 / 3600	nm
ϵ_y / ϵ_x	5	%
ν_x / ν_y	8.240 / 7.265	
Energy spread	0.055	%
Bunch length	6.5	mm
Mom. Comp. factor	0.0141	
# of cells	32	
Total RF voltage	1.44	MV
RF frequency	509	MHz

8nC/bunch
spdr_0019.sad
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