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# CLIC DR collaboration page

This is a page for exchange information on the CLIC DR and PDR between the CLIC DR group

Feel free to edit or add additional informations. In order to edit the page is necessary to register at Registration using CERN credential. External user may get an account going to the External account registration [↗](#).

## PDR parameters

Energy	GeV	2.86
Circunference	m	383.95
Harmonic Number		2560
Number of bunches/train		312
Bunch spacing	ns	0.5
Bunch population	10 <sup>9</sup>	4.6
Number of dipoles		38
Dipole field	T	1.2
Horiz. Tune		16.4
Vertical Tune		12.31
Synchrotron Tune		0.07
Damping times (tx,ty,ts)	ms	2.68/2.66/1.33
Mom. compaction factor		3.755 10 <sup>-3</sup>
RF Frequency	GHz	2
RF Voltage	MV	10
RF acceptance	%	1.18
Equil. energy spread (rms)	%	0.1
Equil. bunch length (rms)	mm	3.3
Number of wigglers		36
Wiggler peak field	T	1.9
Wiggler length	m	3
Wiggler period	cm	30

## Lattice files

Current lattice:

Previous Lattice:

Old lattice:

## Software tools

The lattice design tool used is MadX, available from <http://mad.web.cern.ch/mad/> [↗](#). MadX produces can output

- a flat lattice description in a madx input language (.seq files). No drift, no lines, basically a set of variables and element declaration and a sequence of elements with their s position.
- a flat table file (.tfs files) that includes either element parameters (including drifts) and optics function or element name and assigned magnetic error and misalignments.

## People and their main interests

### References

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This topic: Sandbox > TWikiGuestSandbox

Topic revision: r6 - 2010-08-03 - FanouriaAntoniou



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