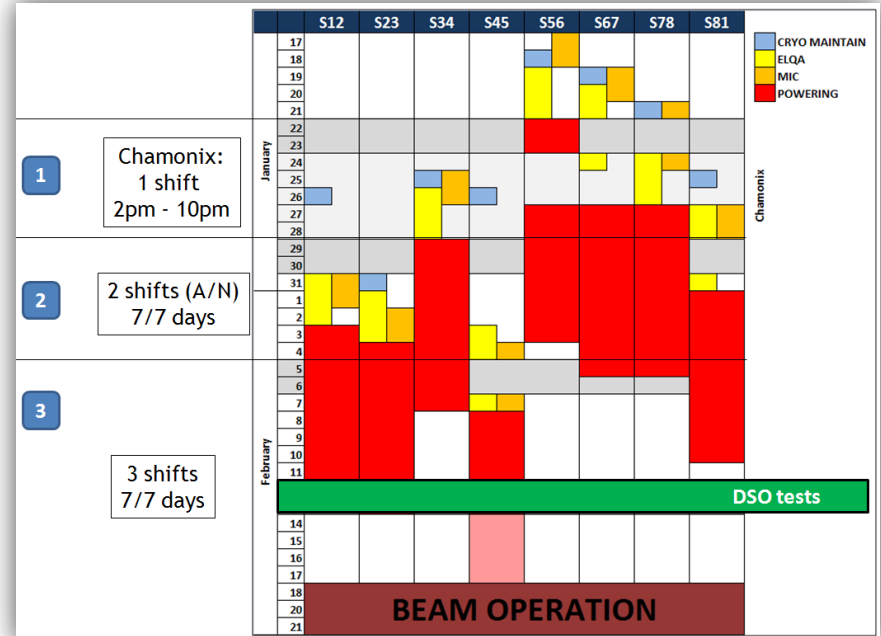


## News from OP

### Planning for the re-commissioning of the superconducting circuits



### Strategy for operation in 2011(-12)

See *LHC Beam Operation Workshop - Evian 7-9 December 2010*:

- Parameters for 2011 - 2011 LHC beam operation plans (incl. intensity steps), J. Wenninger
- Workshop summary - strategy for beam commissioning in 2011, M. Lamont

<http://indico.cern.ch/conferenceOtherViews.py?view=standard&confid=107310>

## Strategy for operation 2011-12:

- 75 ns bunch spacing (150 ns as spare, 50 ns for scrubbing) → 930 bunches
  - 50-100-150-200-300-400-500-600-700-800-900
- $\leq 2.5$  m beta\* for high luminosity IRs
- almost nominal emittance and slightly higher than nominal bunch current
- about 125 days at peak luminosity

Schema	$\beta^*$ (m)	kb	Nb	$\varepsilon$ ( $\mu\text{m}$ )	L (Hz/cm <sup>2</sup> )	Stored E (MJ)	L int (pb <sup>-1</sup> )
75 ns	2.5	930	1.10E+11	3.5	4.7E+32	65.5	1011
75 ns	2.0	930	1.10E+11	3.5	5.9E+32	65.5	1264
75 ns	1.5	930	1.10E+11	3.5	7.8E+32	65.5	1685
75 ns	2.5	930	1.20E+11	2.5	7.8E+32	71.4	1685
<b>75 ns</b>	<b>2.0</b>	<b>930</b>	<b>1.20E+11</b>	<b>2.5</b>	<b>9.8E+32</b>	<b>71.4</b>	<b>2106</b>
75 ns	1.5	930	1.20E+11	2.5	<b>1.3E+33</b>	<b>71.4</b>	<b>2808</b>