

LHC			
Machine Coordinator last week		M. Solfaroli	
Machine Coordinator this week		E. Bravin	
Statistics			
Availability	74%	Stable Beam Ratio	In beam commissioning
Facility Status			
Summary	<p>The vacuum pump down was completed Monday afternoon. After a last evening of checkout, the first beams were injected Tuesday 28th March during the morning. With the end of 2022 corrections in place, very little steering was required and both beams circulated by midday. The same day the optics was measured and corrected at injection. On the second day a probe bunch was ramped to 6.8 TeV and squeezed to 30 cm in a single step. With the 2022 MD corrections in place, the squeeze was very smooth. On Thursday the ramp was repeated with a nominal bunch, the orbit bumps were switched on and tested through the ramp to the end of the squeeze.</p>		
	<p>The aperture at injection was verified to be larger than 12 sigma in all planes, in line with previous years, with the aperture limiting elements in IR6 as expected.</p>		
	<p>The three crystals in the machine, B1V, B2H and B2V, were tested. Channelling was obtained for all three planes.</p>		
	<p>A first round of linear optics measurements and corrections between 2m and 30m were performed on Saturday.</p>		
Issues	<p>Around midnight Saturday, an electrical issue in point 4 took out the cryogenic system and **two RF burst disk broke again on the S34 RF modules** (one module of each beam). Fortunately, the rupture disks could be replaced within 3.5 hours. Since the cavities remained below 60K, it was decided to cool down the cavities directly on Sunday. The machine is expected to be ready for beam sometimes on Monday.</p>		
	<p>Around midnight Saturday, an electrical issue in point 4 took out the cryogenic system and **two RF burst disk broke again on the S34 RF modules** (one module of each beam). Fortunately, the rupture disks could be replaced within 3.5 hours. Since the cavities remained below 60K, it was decided to cool down the cavities directly on Sunday. The machine is expected to be ready for beam sometimes on Monday.</p>		
Plans	Continue beam commissioning		
Intervention Request			
Yes / No	Duration		Preferred date/time