

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	EDR			Approval		Construction							Commiss.
				LHC physics input									
				total length frozen			tunnel layout frozen				tunnels ready for install-n		
							optics layout frozen		optics details frozen				
Beam dumps	beam dump conceptual design and critical tests			pre approval		beam dump final engineering			b.dump design frozen	beam dump construction		beam dump installed	
crab cavity	crab cavity design work & developments and tests of conceptual phase control system; cavity fabrication			cavity fabrication, design of cryostat; integration		beam tests of one and two cavities		final engineering		production		installed	
ATF2	ATF2 construction and installation. Start of commissioning		Commissioning	Beam size and optics results	Beam stability results	Second phase, e.g. SC final doublet; smaller emittance & beam size		Instrumentation developments and tests at beamline					
Final Doublet	Engineering design; full length prototype; stability design study and initial stability tests			Stability tests & design optimization		final design		production		lab tests	installation and pre-commissioning		
Magnets	Optimization of number of styles; conceptual design of most magnets; Detailed design of low field and other special magnets; Vibration -wise design			Design and definition of interfaces; cost optimization; layouts with real space allocation,		final design & needed prototypes		production					

A tentative overall schedule for discussion