

Follow up[†] Injection & V6.501

by Thys & myself in collaboration with BT/OP :

1) Which optics should be used for the upcoming TI 8 test ?

needs stable frozen optics very soon, changes anyway minor --->

stay for the test with V6.500

2) Otherwise idea is to go to V6.501.

to be agreed in the next InjWG, schedule for 9 May.

meanwhile doing completion and various checks, see checklist including apertures, phase advances of the various injection protection devices TCLI, TDI & TCDI and the issue of lower strength limits !

optics files : /afs/cern.ch/eng/lhc/optics/TI2, TI8, applies to both V6.5, V6.500

new files go to /afs/cern.ch/eng/lhc/optics/V6.501/TI2 TI8 with files for aperture

[†] see my presentation, LCU meeting on 26/03/2007 and InjWG meeting of 22/03/2007

Checklist

V6.501? - Required optics checks (B. Goddard)

TDI	Jan	second beam (next to the aluminum jaw), size and position
	Thys (done)	phase advance from MKI
TCLI	Jan, ABP	first beam, size and protection (phases)
	Jan	second beam, size and aperture (TCLIA only)
MSI	Thys	injected beam trajectory
	Jan	injected beam size and aperture
	Thys	realignment needed/possible
	Thys/Jan	circulating beam size
Match	Verena/ Helmut	new betatron match
	Verena/ Helmut	dispersion matching
TCDD	Jan	circulating beam apertures
MKI	Jan	aperture
	Thys/Laurent	strength
TL	Thys	injected beam trajectory (steering)
	Wim/Verena	aperture
	Helmut/ Verena	TCDI protection (phases)
		TCDIM apertures
		apertures in the last bit TI 2
		TI 2 MQI - still good choice of vacuum chamber orientation/type
Vac	Jan	apertures for mis-kicked beams upstream TDI
Power converters	Mike/Thys	check lower limits: correct lower limits in matching jobs (LHC side)