Oxford Group Commissioning Plans

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Aims (2009-10)

- 1. Help with general ATF2 beamline commissioning
- 2. Install + commission FONT @ ATF2
- 3. Install + commission MonaLISA system
- 4. Contribute to team effort towards ATF2 goals 1 and 2!

1. ATF2 beamline commissioning

Javier Resta Lopez → KEK

for c. 6 months starting early 2009

feedback and feedback integration studies, with beam

Students → KEK

Swinson, Constance, Apsimon, Bett ...

2. FONT installation/commissioning

Burrows, Perry, Resta Lopez, Christian, Swinson, Constance, Apsimon, Bett

2009:

Jan: Amplifier + kicker bench tests (Oxford)

Feb: Install 3 BPMs and 2 kickers in beamline

Feb/Mar: BPM readout + beam property measurements

April/May: New FB board tests

Oct-Dec: FB tests (multi-bunch beam)

2010:

Jan-Mar: Full system commissioning (multi-bunch beam)

3. MonaLISA installation/commissioning

2009 2010

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TASK	Access to ATF2 IP area	J	F	M	ļΑ	M	IJ	IJ	Ä	Ş	Ö	N	D	J	F
test of active bellow system	At Oxford		! ! !				 	! ! !	 	i ! !	! ! !	! !	! ! !		
Vacuum vibration test (Shintake end)	24 h (integrated) with seismic sensor setup		 	 	 		 	 	 	 	 	 	 		
Full Vacuum Enclosure vibration test	1 week		 	 	 	 			 	 	! ! !	 	! ! ! !		
MONALISA laser hut construction	to be determined with KEK		 	 	 	 					 	 	1		
Cable/fibre installation	2 days (after laser hut construction)		 	; ; ;	: ! !	: ! !	i 		<u> </u>	i ! !	; ; ;	; ; !	; ! !		
Optics installation	1 week		 	; ; ;	! !	! ! !	 	:			 	; ;	: ! !		
Electronics, DAQ Installation			 	<u> </u>	<u> </u>	! ! !	 	-			! !	<u> </u>	! !		
Position Monitor first commissioning			 	 	 	 	 	 		1		 	 		
ATF2 Measurements				-		 		 			 	 			