

ATF operation during ATF2 construction

Philip Burrows

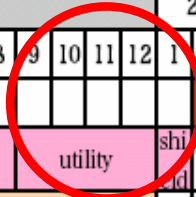
*John Adams Institute
Oxford University*

ATF2 schedule

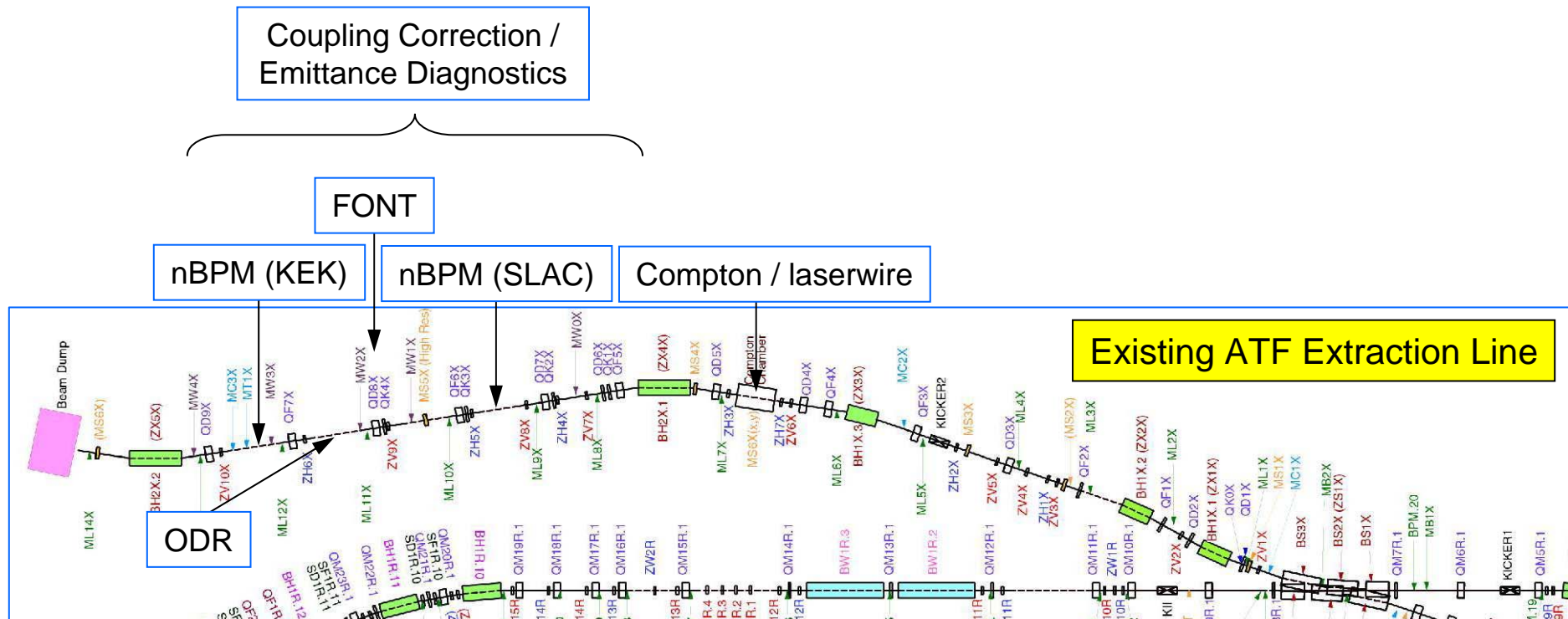
Japanese Fiscal year	JFY2005												JFY2006												JFY2007												2008							
	2005						2006						2007						2008																									
Activity	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3								
Beam operation	ATF							ATF		ATF									ATF		ATF															ATF2								
Conventional Facilities																										preparation		floor		utility					shield									
Magnets								24-Q		test									5-Q, Bends (7), 6,8poles		test					Final doublet		test																
Magnet Support								support (44)						movers																														
Alignment																																												
Power supplies								prototype						production						test																								
QBPM								prototype		prodction-1		production-2			test at KEK																													
IP-BPM								prototype				test			support system			production																										
Shintake monitor (BSM)							modification to the half wavelength ; i.e. 532nm with precise phase control																	test at KEK																				
Laserwire								R&D at ATF-extraction														production																						
Other instrumentation																																												
Feedforward & FONT4/5								R&D and production																	test at KEK																			
Vacuum																																												
Cable plant																																												
Control system																																												
Installation																																												
Funding Process																																												

ATF2 schedule

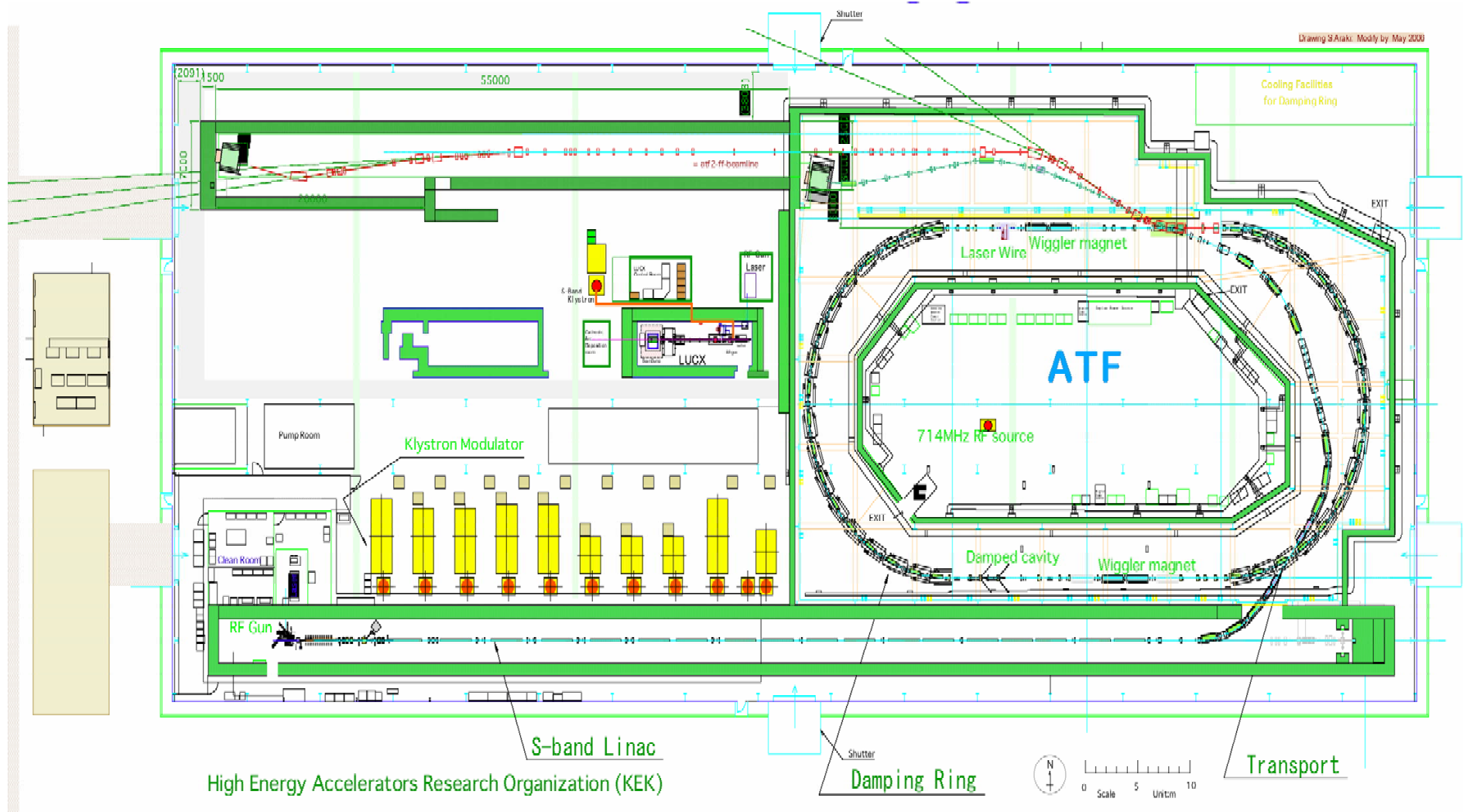
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Current ATF extraction line program



ATF → ATF2



Transition period

Winter 2007 / Spring 2008

What level of ATF operations are possible during ATF2 beamline construction?

When will be hard downtime?

Plans for transition to new extraction line?

Current program

Laserwire (Blair)

FONT (Burrows)

NanoBPMs (Honda/Ross)

IP BPM (Honda)

MonaLISA (Urner)

Ring beam dynamics

...

Fast extraction kicker (Naito)

Compton source (Omori)

ODR (Karataev)

Crystal channeling (Takahashi)

FONT

Welcome opportunity to run in Winter 2007

**Like to install in upstream portion of new extraction line
ASAP thereafter**

**As long as BPM(s) + kicker(s) are in place, FB or FF
hardware can be added later ...**

... or leave space for later insertion of BPM(s) + kicker(s)

By 2008 we expect to be ready for 20-60 bunch beam