Tentative schedule for final focus section of ATF2

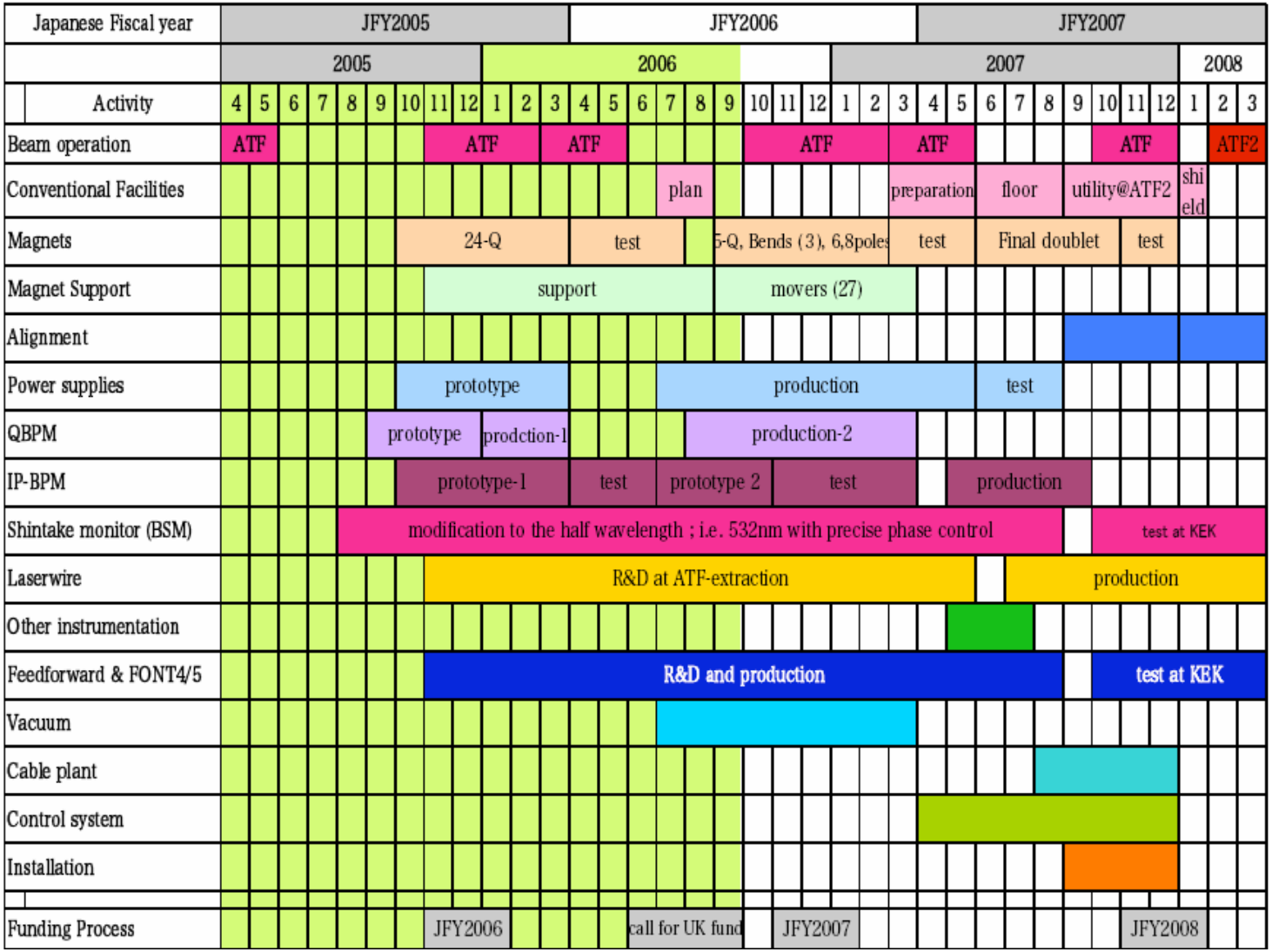
LAPP

Work to be done:

QC3 transformed into QD0 and QF1:remove coil, reassemble core, send it to another lab, to increase bore from 3.505cm to 4.9cm. Still need to know, beam pipe thickness.
Magnets reassembled, and measured.
Still no permission to spend the money.
One month for quad work, 2 weeks for magnetic measurement.
Maybe by December 20, but doubt!
Sextupoles are being designed from scratch: several months

ATF2 schedule:

Magnets designed and fabricated between sept 2006 and Feb 2007.
Delivered to KEK by 31 March 2007.
But two styles of sextupoles: more work!
Final doublet designed and fabricated between June 2007 and October 2007.
Delivery November 2007.


Japanese Fiscal year
JFY2005
JFY2006
JFY2007
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
ATF
ATF2
Conventional Facilities
plan
preparation
floor
utility@ATF2
shi eld
Magnets
24-Q
test
5-Q, Bends (3), 6,8poles
test
Final doublet
test
Magnet Support
support
movers (27)
Alignment
Power supplies
prototype
production
test
QBPM
prototype
prodction-1
production-2
IP-BPM
prototype-1
test
prototype 2
test
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
JFY2006
call for UK fund
JFY2007
JFY2008

Component	Sub-component	Number (no spares)	Comments	Status	Present	New
Magnet	Quadrupole	29	with QD0,QF1	production	27	2
	Sextupole	5		design	0	5
	Octupole	2		design	0	2
	Bend	3	FF-bends =3	design	0	3
	H. Steering	3	horizontal		0	3
	V. Steering	2	vertical		0	2
	Cable of ext.kicker	2	re-location of two kickers		0	2
Magnet Support	Movers	27	20Q-magnets, QD0,QF1 and 5 sextupoles	SLAC	27	0
	Base	27	for each magnet except for the FD support	design	0	27
	Bends	3	support with base		0	3
	FD support	1	active movers for QD0,QF1,SD0,SF1 and BSM	CERN/LAPP and KEK	1	0
Power Supply	HA system	40	8(ExtQ), 6(MatQ), 5(Sext), 2(Oct), 16(FFQ), 3(B)	production		40
Vacuum	Beam pipe (m)	93.154	ATF extraction line at present and ATF2 beam line (50.613m)	design	0	93.154
BPM	Q-BPM for Q & Sext.	33	QD18-21X, IHEP-Qs except for QD0,QF1,SD0,SF1	production	39	-6
	Q-BPM (s-band)	4	with larger diameter (40mm) ,final doublet system	design	0	4
	stripline	4	especially for commissioning	production	0	4
	IP-BPM	3	2nm resolution for position jitter at IP	prototype	0	3
Wire scanner	Metal wire	5	exsit at the extraction line - relocation	existing	5	0
	Laserwire	5	upgrade of the metal wire scanners	R&D	0	5
IP - BSM	Shintake monitor	1	upgrade of the FFTB monitor, i.e. 532nm	upgrade	1	0
	Urakawa monitor	1	laser cavity type	R&D	0	1
Fast orbit correction	Feedforward	1	from DR to extraction line	R&D	0	1
	Feedback	1	intra-train fast feedback based on digital circuit	R&D	0	1
Commissioning tools	Screen monitor	4		exisiting	4	0
	Carbon wire scanner	1	beam size monitor at IP	design	0	1
ICT	beam loss	1	beam current monitor		0	1
Beam dump	ATF2 Beam dump	1	design is the same as the ATF one		0	1

Sextupole Location

T.Okugi

all the c-band BPMs