

# ATF2 Commissioning Plans at RHUL

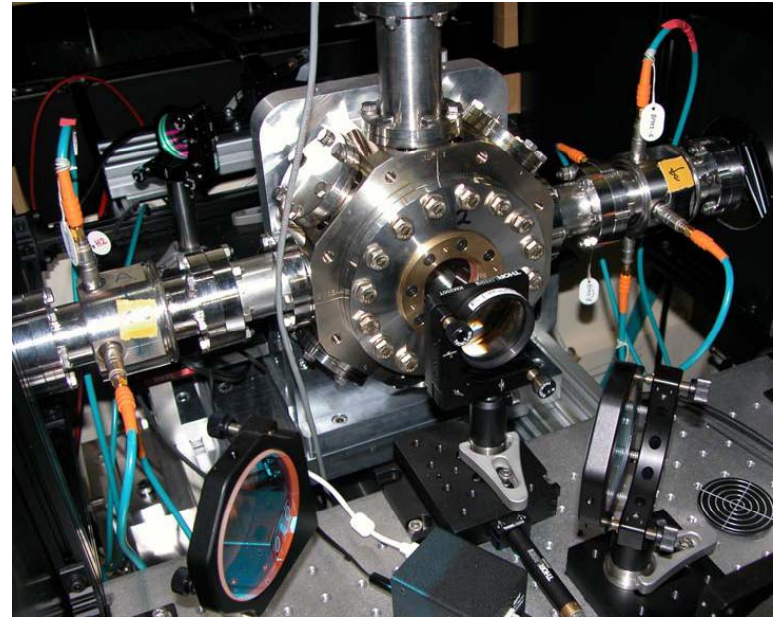
G A Blair  
ATF2 Meeting  
KEK

17<sup>th</sup> December 2008

- Laser-wire
- BPMs
- Beam-line tools
- Effort summary

# Laser-wire:

A. Aryshev, S. Boogert,  
P. Karataev (RHUL)  
L. Corner, L. Nevay (Oxford)



- Relocate to new position
- Restart laser operation in spring 2009
- LW profile scans by autumn 2009
- Integration of ODR system
- Integration of C-band cavity BPMs

# BPM Plans

A. Aryshev, S. Boogert, S. Molloy (RHUL)

- Online codes for ATF2 cavity systems
- Integration of C-band prototypes into LW
- Long term stability of high resolution BPM system (temperature, drifts)
- Beam based alignment, lattice verification, modelling tools
- Organisation of longer term measurements and analysis

# Beamline Tools

S. Boogert, S. Molloy (RHUL)

- Integration of Lucretia “Flight Simulator” concept into ATF2 control system
- Beamline modelling toolkit
- Beam-based alignment of quads and sexts
- Verification of lattice and determination of errors

# Summary JAI@RHUL effort for commissioning:

A. Aryshev	LW + BPM
G. Blair	LW (coordination)
S. Boogert	Commissioning LW + BPM
G. Boorman	Electronics support
P. Karataev	LW, ODR
S. Molloy	BPM+ tools

Possibly a new PhD student to start in Sept 09