

ATF/ATF2 fast feedback systems

Philip Burrows
John Adams Institute
Oxford University

Schedule considerations

- We plan to demonstrate 1-d FB system (y) in ATF in 2007
- Pursue 1 μ m stripline resolution by simulation + prototype
Decide whether striplines viable mid 2007:
 - if yes: prototype and test BPM processor @ ATF
 - if no: need to develop multibunch cavity r/o system
 - start with E-spectrometry cavity BPM?**in both cases we will need beamtime @ ATF**
- **Provided BPMs + kickers are in ATF2 beamline, or sections with bellows are 'reserved', FB + FF hardware can be added later**
 - details NOT critical for scheduling at this time**