

# Paper update

### Shinji Machida STFC/Rutherford Appleton Laboratory 11 June 2015

# Difference

#### Paper contributions



- 1. Introduction
- 2. The 150 MeV KURRI ADSR-FFAG
- 3. Measurement of orbit position in ring
- 4. Measurement of orbit position at injection
- 5. Measurement of betatron tune
- 6. Discussion
- 7. Summary

Group the main body by measurement itself and its technique, not by the parameters derived from the measurement.

(I removed foil effects section in order to finish this publication guickly.)

Science & Technology Facilities Council



### https://www.overleaf.com/1327548fyjtrt#/3271331/

### First complete draft is due on Friday 19 June 2015.





# **Vertical orbit**

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Re-analyse three set of vertical BPM data.

- 1. D1012 (nominal D strength) [A] and change ST5V.
- 2. D950 [A] and change ST5V.
- 3. D950 [A] and change ST4pV.

Phase advance between ST4pV and ST5V is about 90 degree.



Calibration has not been done yet.

However, accurate capacitance is now used to calculate induced

charge.





- 1. D1012 (nominal D strength) [A] and change ST5V.
- 2. D950 [A] and change ST5V.



1. D950 [A] and change ST4pV.



Is vertical COD real?

(order of  $2 \sim 5$  mm.)

