


**From:** Kenneth Long no-reply@evernote.com 

**Subject:** Step pi: development of concept

**Date:** 18 August 2014 16:02

**To:** bross@fnal.gov, Roy.Preece@stfc.ac.uk, palmer@bnl.gov, jason.tarrant@stfc.ac.uk, alan.grant@stfc.ac.uk, V.Blackmore1@physics.ox.ac.uk, Chris.Rogers@stfc.ac.uk

**Cc:** k.long@imperial.ac.uk

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### **Notes on meeting: 18Aug14:**

**Present:** V. Blackmore, C. Rogers, K. Long, A. Grant

#### **Agreed:**

- Treat the following as “baseline” for engineering considerations and for particle tracking and performance evaluation. Including study of systematic uncertainties and risks to be mitigated (e.g. radiation from the cavities causing damage to the trackers).
- Evaluate the alternative lattices defined in CR slides and on the wiki to see if there is a better option (<http://micewww.pp.rl.ac.uk/issues/1543>).
- Evaluate means by which the X-rays and dark-current electrons can be absorbed by judicious placement of absorber material once tracking studies are underway.
- Push on (C. Hunt) to get him to the point of a systematic approach to his Step IV performance study. In principle this is needed to validate our Step IV plan and to evaluate the performance of Step pi.

#### **Actions:**

1. **KL:** Contact JT to ask that he lays out the baseline Step pi in the Hall;
2. **CR:** Tracking studies of Step pi baseline;
3. **JT:** Layout Step pi (including PRY) in MICE Hall;
  - a. Priority to layout of active components to allow performance studies to proceed;
4. **VB:** Linear optics studies of alternative scenarios;
5. **KL:** Contact C. Hunt enquire on status of Step IV work.

We agreed to postpone study of dark-current mitigation until baseline had been studied.

#### **DONM:**

- 14:30 Wednesday 20Aug14; KL office and phone;
- JT to be added to the invite list

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