

SCIENCE AND TECHNOLOGY FACILITIES COUNCIL
CALICE OVERSIGHT COMMITTEE

Feedback and Actions arising from the meeting held on 29th September 2008 at STFC, Swindon Office

The Committee wished to thank the Collaboration for their professional and constructive approach to the funding cuts and congratulated them for being on track for an orderly closure in March 2009. The Committee were pleased to see that a substantial draft scientific paper on MAPS had been produced.

WP1

This work package was significantly reduced by the cuts but was still approaching successful completion in spite of loss of science and UK leadership.

WP2

There had been a large amount of progress in this work package with working versions of the full DAQ hardware chain being produced. However, there had been significant loss of RA effort and loss of some tasks such as ECAL ASIC testing. A DAQ proposal had been submitted to pursue aspects of this work.

WP3

The Collaboration had gone some distance towards establishing digital ECAL as a technique. However, considerable tasks remained. There were very useful characterisations of the first devices but the first iteration had also highlighted some issues which would need to be addressed in future developments. The second iteration would need to provide more diagnostic information on noise.

WP4

There seemed to be an orderly completion of this work package with publication of results. The cuts had led to loss of topics (ECAL end-of-module mechanics, thermal flow studies, ECAL endcap design) due to loss of effort. There was no successor proposal, which may adversely affect future UK detector systems work.

WP5

There had been significant input by the UK, which was now leading the world in PFA calorimetry but there was still a long way to go to achieving high visibility internationally. One issue to consider was operation in high magnetic fields.

Successor Projects/Proposals

A proposal had been submitted in 2007 to continue PFA work, the status of which was to be investigated by the Office. A MAPS proposal had also been submitted following on from the experience gained in this project. A DAQ proposal had also been submitted building on work in WP2 with five possible applications to a range of environments, not just to particle physics.

Action: *Office to determine current status of the PFA proposal.*

Project Management

The Committee commented on how pleasant it had been to deal with the Collaboration and applauded their constructive attitude. The damage caused by the cuts, including some loss of science, loss of UK leadership, loss of credibility in home institutions, and interruption to the research careers of at least four people was regrettable, and it was felt that the cuts to issued grants set an unwelcome precedent.

As this was the last scheduled meeting of the CALICE Oversight Committee, the Committee thanked the Office staff for all of their assistance and requested that the Collaboration submit a final report to the Office in April 2009 on completion of the grant giving a final update of achievements in the last six months of the project.

Action: *Office to inform collaboration of reporting requirements for final report narrative and JES return.*

Action: *Collaboration to submit their final report to the Office in April 2009.*