
Proposal Organisation

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Overall plan

- We need to be considered by the PPRP/SciComm in New Year
 - PPRP meeting date will be 1-2 Feb 2005 at the IoP; submission mid-Jan
 - Science Committee will be sometime after that (date?)
 - I am assuming we are going for a three year bid, Apr 05 – Mar 08 (?)
- We have to divide the proposal into “workpackages”
 - I suggest we try to spread leadership of the workpackages around institutes
 - Also desirable to have each institute contributing to more than one workpackage
- Also need an overall organogram for the organisational structure
- What workpackages should be defined? The obvious ones are:
 - Completion of the current CALICE programme
 - MAPS studies
 - DAQ studies
 - Simulation and physics studies
 - Mechanics/thermal studies?

Workpackages

- Each needs to define:
 - Scope; a description of what will be done and references to more detailed backup documentation as required
 - Inputs, outputs, millstones and how it relates to other workpackages
 - Schedule: including a GANTT chart
 - Requisitions: including an accurate costing
 - Effort: costed for both rolling grant and new money
 - Travel: connected with the workpackage, which might be hard to separate
- Some proposals collect up all travel into a separate workpackage
 - We want to ensure the CALICE workpackage gets approved quickly
 - Hence, I suggest dividing travel so this workpackage is self-contained
 - We can probably move travel between workpackages later if needed

Next steps

- Some work needed before we can submit
 - Decide who will lead and/or contribute to which workpackage
 - Simulation to firm up MAPS and DAQ workpackages
 - Contact any new groups who might be interested
 - Write detailed backup documentation; release as LC Notes?
- To get to the proposal
 - End of October; firm up the workpackage details
 - Early November; “prewarn” Janet Seed/Science Committee of possible cost and rethink if reaction is very negative
 - Early December; first draft of proposal ready
- Next SB-UK meeting should be early/mid November
 - Combine with general CALICE-UK meeting? Last was 2 Oct 2003!

Rough outline of CALICE workpackage

- Scope: take data with AHCAL and DHCAL, analyse and publish
- Inputs: ? Outputs: Published papers. Milestones: best estimates just before we submit
- Schedule: only for two years, i.e. until Mar 07. Anything beyond that could be absorbed into the rest of the work
- Requisitions: effectively none as it should all be spent by Apr 05. May need some small level of items (cables, etc); ask for few £k for “M&O”?
- Effort: main new money item is George Mavromanolakis’ final RA year, ~£40k. The rest is whatever people put on the rolling grant for RAs. (There should be no engineering effort.)
- Travel: we are realistically only spending ~£20k per year on general travel. We originally asked for £40k total for the beam test travel but more tests now. Hence, total travel here might be £100k

Rough outline of MAPS workpackage

- Scope: develop MAPS sensors for ECAL use to point where concept can be verified. Put a few wafers into a beam
- Inputs: ? Outputs: first design for a usable MAPS. Milestones: need two (?) rounds of fabrication and beam test
- Schedule: fabrication in each of first two years, beam test in third
- Requisitions: each fabrication round ~£50k. Also need some DAQ electronics to read out; included in DAQ workpackage? Maybe £120k total?
- Effort: main new money item is RAL MAPS engineering effort; one FTE for three years $\sim £80k \times 3 = £240k$. Would also need an RA for three years $\sim £40k \times 3 = £120k$. (Share with DAQ/Sim workpackages?)
- Travel: low as mainly within the UK; maybe £5k per year. Also add £5k for the beam test travel, giving £20k total