CH/Meet/99/01

Minutes

Charissa Group Meeting

Meeting held on: 3 March 1999

Meeting held at: Birmingham

Present:	BRF(Chair), WNC, SPGC, NMC, RLC, NJD, MF, MPN, VP, WDMR, RPW, DDW, DLW
Apologies:	NAO, RC, RAC
Distribution:	Those above plus RAC,RC,NAO all by e-mail/file-server

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Minutes

1. EPSRC matters

The Exogam grant had been successful. One lesson was that new posts were not favoured.

To our best knowledge, the pattern of requests would be:

May	Nelson, UMIST, Shotter
July	JYFL, Owens, Surrey Theory, TIARA
October	Us, Stone
December	Euroball

2. Update on ANU running

First group already there and started on the replacement of prototype DA modules with PCB versions. In addition the new Ultra workstation will be installed with system upgrades and the changeover to DLTs made.

Running starts 19/3 and ends 1/4. Two proposals will run, the C+C band termination and the Airy minimum study. Setup is 8 strip detectors. It was still hoped to carry out the tests with the new timing on the CATs with the PSDs.

Prepare schedule for tests. $\boxed{\text{MF}}$

Assume responsibility for making sure these happen during run $\boxed{\text{BRF}}$

At the end of the running the new target change controller would be installed, along with the modified target vacuum loading mechanism.

At the end of this period the old exabytes would be shipped back.

3. Update on Strasbourg run with DEMON

The run had stopped early because of a lack of beam intensity. This was due to a transmission problem with the Vivitron and the machine had been opened immediately to seek a fix. The present status was unknown, but the intention was to re-schedule us for the week beginning 22 March. Both DEMON and the strip detectors appear to be working and the data we have obtained is being replayed to see what the yield is like. With the longer flight path and longer beam pulse separation, it appears that the present DEMON TDC range of 800ns is a bit short. A scheme to lengthen this is being looked at.

After the run all the kit required for the Summer running at GANIL would be packed up. LPC would then ship this to GANIL when DEMON is moved at the end of May. There is a possibility DLW may wish to have a short run before then, in which case the packing will be delayed and he will arrange it after the run. DLW

4. Plans for GANIL running in Summer

The plan is to move DEMON plus our kit at the end of May and have it installed during June. There may be test beams available early July and the run is planned for 18-24 July, just before the summer shutdown.

Apart from the equipment from Strasbourg, preamps are coming from Paisley. WNC is looking for cables. The strip detectors exist.

There is a (small) possibility that GANIL may wish to schedule the Ne experiment straight after the shutdown. This requires chamber to be built and new detectors to be purchased (2 annular and 1 quadrant) and probably some cables. The run would have to use the Exogam DA. WNC is looking after these issues. WNC

5. Plans for September/October running at ANU

There is strong interest in trying to make this happen. Five expts. involved, 11B state (Bham), 9Be+9Be (Surrey), O chain (Oxford), 16C test (York), O+O test (Bham) and MEGHADON test. Note that O chain may need Linac. Constraints include Summer School (start of September) and start of teaching (Bham last week in September, York end of September, Surrey first week October).

Open a dialog with david weisser to see what might be possible BRF

6. Spend on current grants

Staffs fully spent up.
Surrey fully committed to get chamber, detectors and ADCs for GANIL
Bham about 10,000 left after allowing for ADCs for GANIL
York ?
Oxford ?

Apart from running costs (shipment, cables, repairs, components) we will need to purchase detectors - there are enough for runs planned for this year.

Get latest details from oxford and york and arrange email discussions of how to cover next n months. BRF

7. Progress on TIARA bid

WNC outlined the present situation. Drafts of the physics case, technical document, resource request have been passed to Bham, Paisley and Daresbury for comment. Brief details of items discussed:

PDRAs at Surrey and Paisley
259 channels preamps/amps/ADCs to be requested
PPACs for tracking
Design of chamber (6 person months)
Chamber construction costs
Advantages compared to other devices (e.g. MUST)
Configuration with VAMOS and EXOGAM
Use at other locations

WNC is aiming for a completion ready for submission in three weeks time. WNC

8. Progress on grant preparation

(a) *Physics Case:*

Two versions of physics case prepared by SPGC and MF - short overview for main document and detailed case for appendix

Work up a second draft of these BRF

(b) *Past track record:*

Past track record prepared by MF

Work up a second draft of this BRF

(c) *Publications, talks, students etc.:*

Prepared by RPW

Update with comments from other groups RPW

(d) *Travel:*

Travel section draft prepared by MF

Circulate and incorporate any comments MF

(e) *Strasbourg:*

Support of Strasbourg beamline. Draft paper by RAC discussed and items to be included identified.

Notify rac and revised document circulated DDW

(f) *Consumables:*

Template circulated by DLW which already includes Oxford and York suggestions. Each institution to complete from their perspective and these will be discussed at the next meeting to come to agreed algorithms. BRF, DLW, RPW, WNC, WDMR

(g) *Equipment:*

Chamber, LISE2000, Detector array and its electroncs

NMC has prepared a draft which is nearly completed. Need to explore ways of justifing the LISE2000 contribution (beamline).

UPDATE MISSING FIGURES $\boxed{\text{NMC}}$

RAISE LISE2000 WITH DAVID KIDD AND IN2P3/EPSRC JMC $\boxed{\text{BRF}}$

EXPLORE GANIL VIEW ON HOW TO PROCEED $\boxed{\text{MF}}$

(h) *DA and computing requirements:*

Drafts for discussion from VP and SMS. These seemed to cover everything (agreed should switch to DLTs on Strasbourg system). While "central" bid (e.g. ANU, Strasbourg and GANIL) kit was covered in this, each group should prepare their own requests using equipment best suited to their own institutional environment. These would be discussed at the next meeting to ensure consistency.

Prepare list of group bids VP and SMS to merge documents to second draft $\boxed{\text{BRF, DLW, RPW, WNC, WDMR}}$

(i) *NPG support:*

Areas of support have been identified in the discussion of above items.

Prepare draft with full manpower requests for design, mechanical, electrical and software $\boxed{\text{DDW}}$

(j) *PDRA and support staff:*

Identified at last meeting.

HAVE LIST CIRCULATED BEFORE NEXT MEETING $\boxed{\text{BRF}}$

All documents should be circulated and copies on server before the next meeting. $\boxed{\text{ALL}}$

9. Trick Item in emailed minutes: There *is* no item 9.

10. Any Other Business

This was Richard Cowin's last meeting. Richard's contribution to the work has been tremendous, especially in the construction and commissioning of megha and his expertise will be missed.
We bid him a fond farewell and wish him well in his new job.

11. DATES OF NEXT MEETINGS:

22 April at York.
24 May at Staffordshire.

B.R. Fulton (edited by W.N. Catford, Secretary).

March 4, 1999 (released March 4, 1999)