Minutes
Charissa Group Meeting

Meeting held on: 15 December 1998
Meeting held at: Birmingham

Present:	BRF(Chair), WNC, SPGC, NMC, RLC, MF, SSJ, MPN, SMS, RPW, DLW
Distribution:	Those above plus RAC,RAH,NAO all by e-mail/file-server

Minutes

A. INFORMATION DISSEMINATION

1. **Arrangements for Easter running at ANU**
   There is a big uncertainty as to whether ANU can schedule us when we would wish (combination of other UK requests and ANU having to move out of Office building at that time). It seems no decisions will be made until results of PAC are announced. BRF to contact Lucy Brady to see when this might be. Otherwise SPGC has all in hand! Shipment leaves 15 Feb. Work on DA system starts 1 March. Physics running 22 March. 10 new detectors ordered for run.
   If there does turn out to be a problem with this period, our fallback position is to request a shorter period of running without the LINAC so we can test out the upgrades on the DA system.
2. **Arrangements for summer running at GANIL**
   Running likely to be June/July. Setting up will take previous month. Details in previously circulated notes by WNC (CH/Doc/98/02). Some of the cabling work being done for the February breakup run will also serve for this run.
3. **Any proposal planned for Strasbourg PAC**
   DLW considering possible proposal, as is MF. These two would discuss any overlaps. Deadline is 17 Jan.
   DLW will be over in January for a Users Panel meeting. One item suggested for discussion was the possibility of using the magnetic spectrometer.

4. **Any running proposed for Strasbourg this year**

   Apart from 9Be breakup run scheduled for 2nd week in February, DLW may return before Easter to complete a few energies missed in the Li fusion runs.

   In May we would need to move the logic electronics and ADCs to GANIL for the experiment there. Hence no running possible at Strasbourg until August.

5. **Any further running proposed for ANU for this year**

   Assuming the runs at Easter proceed, a second period is envisaged sometime around September when proposals by MF, WNC, RLC and NMC would run (non-LINAC). If the Easter period does not happen, then everything may be up in the air.

6. **Any liklihood of other running at GANIL this year if proposals are accepted**

   WNC feels it unlikely the new proposals would run until early 2000.

B. DECISIONS ON GRANT SPEND

1. **Update on funds left at each institution**

   Approx equipment figures are:

Birmingham	£120k
Oxford	£15k
Staffordshire	£10k
Surrey	£80k
York	£20k

2. **Requirements for spend at ANU**

   As agreed at last meeting, 3 DLT drives would be installed for the March running period (SMS). The cost would come from the Staffordshire grant, with the residual going on tapes.

   It was also agreed we spend 3k on an Ultra 5 replacement for the IPX, providing it can go in the system with minimal software mods. This from Birmingham grant

   We will run tests with a sheet resistance detector during the March period to ensure that the RH mod. plus the DS peak detect circuit have cured the drop-out problem with long pulses. If it has then SSJ will build replacements for all amps (6k). This from Birmingham grant.

3. **Requirements for spend at Strasbourg**

   Only repairs and running costs envisaged.

4. **Requirements for spend at GANIL**

   In the grant we had indicated we planned to build a 256 channel system.

Have:	64 channels amps plus discs.		
Need:	64 channels amps plus disc.	35k	Birmingham
	128 channels amps plus discs.	35k	Birmingham
	256 channels ADCs	40k	Birmingham
	256 channels preamps	10k	Paisley

BRF to order item 1
WNC to order item 2
WNC to get quote to BRF so he can order item 3
NMC to liase with RC on item 4

There will still be an (as yet unknown) need for detectors, cables, logic electronics (but some at Strasbourg), mounts, connectors etc.

5. **Decisions on spends**

   See above

C. PREPARATION OF NEW GRANT BID

1. **State of physics case (discussion on need for different style for support case and appendix)**

   Some discussion on three parts circulated. Agreed covered most areas. Need to split into part for "Statement of support" aimed at non-nuclear physicist on prioritisation panel and part for appendix aimed at nuclear physicist on visiting panel. Former should be relatively light but stress general physics themes. The second should be detailed technical case outlining all the interesting physics possible and indicating specific avenues which will be followed in first years of grant.

   MF and SPGC to re-work

2. **Report on previous work (inc. publications, talks, student destinations etc.)**

   Much available from previous yearly reports for ANU beamtime bids and from our publications list on server.

   BRF will prepare report on past years

   RPW will prepare bit on publications, talks, conference contributions, PhDs, student destinations etc.

3. **Equipment bids**

   Main ones are new chamber at GANIL, possible coincidence work using spectrometer and mass id using thin Si detectors.

   NMC would prepare this

4. **Staff bids**

   At present, for the Charissa bid these look like:

Institution	Staff	RA	Technical	Computing
Birmingham	3*0.9	3	1 (electronics)	0.33
Oxford	1*1.0	2	1	0.25
Staffordshire	2*1.0	1	0.2	
Surrey	1*0.8	0.2	0.2	
York	1*1.0	1	1(Mech+Elec)	0.25

   The remaining 0.3 from Birmingham and 0.8 from Surrey would appear on the TIARA bid, with an RA for Surrey on this as well.

Surrey plan to ask for a project studentship on the Charissa grant.

BRF will prepare this section

5. **Travel bids**

   To be to same formulae used by EXOGAM

   BRF to prepare this

6. **Computing bids**

   Have to recognise these may differ as the best approach will differ between institutions. EXOGAM approach may be a useful guide - agree common costs for different aspects (tapes, servers, terminals etc.) and formula for institutions. Need also to think of what needed for experimenal setups at ANU, Strasbourg and GANIL where upgarades may be needed.

   SMS to prepare this

7. **Running costs (shipping, replacement detectors, cables etc.)**

   Based on past bid and experience over last 3-4 years.

   DLW will repare this

8. **Agree who is doing what and by when**

   Actions on named individuals above.

   All material to be prepared using Word.

   Deposit on server in TMP/GRANT and email out to say it is there.

   All to be on server by 22 February, prior to next meeting on 3 March

9. **Link to proposed TIARA bid**

   WNC circulated note on what this bid might look like. Intended to be pitched as new equipment development. Involves others from Surrey, Daresbury and Paisley (it was assumed RC would put his bid in with this and not the Charissa bid - WNC to check with RC). In this respect it did not look like there would be any real clash between the two bids. TIARA bid to be prepared to outline circulated for March submission by WNC and RL.

D. DATE OF NEXT MEETING:

Wednesday 3 March at 1100 at Birmingham.

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

December 15, 1998 (released March 4, 1999)