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MINUTES OF MEETING		
Title/Subject: Agata Management Meeting		
Venue:	Common room York University	Chairman: Paul Nolan
Time/Date:	12:00-17:00 9 March 2009	Secretary: John Strachan
PARTICIPANTS		ADDITIONAL DISTRIBUTION
Andy Boston Paul Nolan John Simpson John Strachan Dave Cullen Bob Wadsworth Zsolt Podolyak Ian Lazarus John Smith Mike Cordwell	University of Liverpool University of Liverpool STFC Daresbury STFC Daresbury University of Manchester University of York University of Surrey STFC Daresbury University of WoS STFC Daresbury	
		APOLOGIES
AGENDA REF:		
ATTACHMENTS:		

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1. Minutes of previous meeting

Agreed without changes.

2. Actions from previous meetings

1.4 Andy Boston to speak to John Cresswell about a UK strategy for data storage.

On-going

2.6 Paul Nolan to find how to get access to the letters of intent for the physics proposals for agata at Legnaro. **On-going.**

3. Actions from this meeting

4. Report on current situation in the International AGATA project

John Simpson sent everyone a copy of project managers report that will be sent to ASC. In this is the status of the project + John circulated an e-mail from Enrico Farnea that gives further info.

Basically on detectors – about 60% work is complete and so three triples should be available for use soon.

Characterisation still a problem, + only 1 site currently available for scanning (Liverpool).

Electronics is an on-going issue, but there should be enough hardware to run 3 triple clusters by this summer. Problem is in people (lack of effort) in programming and controlling.

Mechanics ok.

Data analysis is where we the UK could make an impact.

They will start transferring data to Bologna datasite.

Next week is the first in-beam test of the whole system.

Rest of report is finances. ASC wanted to wind down finances.

Agata week 30th March.

Physics DAQ meeting 2nd April

Paper on running costs has been submitted.

Political AGATA

Moving to a new MoU everyone apart from France and Sweden has signed.

France has to go through IN2P3 council.

New MoU officially up and running, so new running cost regime is in force.

Where will AGATA be beyond current period?

Physics starts Legnaro sept 1st for 15 mths.

Ganil will not be available to AGATA over in the Spring of 2011 as they haven't the manpower due to installation of SPIRAL2. The ASC must now make the decision about where AGATA

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will be sited and this decision is expected in June. This information is required as it clearly will affect the work packages.

The options are:

1. Ganil - The beginning of Spiral 2 depends on completion of a public enquiry that hasn't started yet, hence it is likely this machine will be delayed.
2. GSI - AGATA to discuss with GSI if it can host AGATA mid 2011 – mid 2012
However, LUCO needs to work at GSI before AGATA can go to GSI. Meeting set with GSI for 24th March to discuss with GSI if they could accept installation.
AGATA requires the host lab to put money and manpower in.
Legnaro – lab 200kEuros and 10 men.
Can GSI commit this? They are heavily committed to FAIR and how much beamtime can they provide? At this date GSI currently planned to be operating only 6mths and there are many competing projects. What are AGATA's minimum requirements? 6 weeks /year? The indications are that we won't get enough beamtime to make it worthwhile. Also Nustar issues, despec/hispec? How does the relocation of Agata affect this? No point taking it to GSI unless we know the shape charge, we may not know this in time.
3. Legnaro – It may be possible to keep AGATA at Legnaro for longer than initially anticipated. The feeling from this group is that it may be an option to keep it at Legnaro for a bit longer.

5. Position concerning filling new positions and Grant Start Dates

Manchester PDRA	-	Person starting 1 st May
Liverpool PDRA	-	Person starting 6 th April
Technical person	-	Position to be filled September this year.
Paisley PDRA	-	Candidate shortlisted due to start telephone interviews next week.
Liverpool Student	-	Student started Jan 09
Surrey Student	-	Student started Sept 08
York Student	-	Student started Sept 08

The current MoU and the EURONS JRA need a Technical design report by the end of the year. John Simpson will distribute the final version.

Grant Start dates:

Surrey, York and Liverpool started on 1st October 2008
Manchester started on 1st November 2008
University of the West of Scotland started on 1st Jan 2009

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6. Discussion on Workpackages

This was done by going through each workpackage individually

Workpackage 1.

A test cryostat will be required at Liverpool.

A presentation was given on this workpackage see comments below.

WP 1 report

- H. Boston, D. Judson, C. Unsworth trained in Cologne
- S. Colosimo started as new PhD student
- Detector assembly lab :
 - New pumping system
 - Dedicated testing system
- New triple cryostat
- New single test cryostat
- Commissioned 40 Gretina digitiser channels

Detector FETs/Preamps

- Order 500 BF862 FETs
- Have 1 core preamp + 50 FETs in Liverpool
- New copper blocks/board assemblies to be procured.
- Presently no segment preamps available – potential delay
- Need preamplifier “test box”, schematic from Cologne.

Cryostat requirements

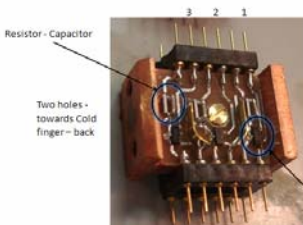
- 6 flat cables
- 1 test MDR plug with converter board
- GANIL preamps
- 2 warm preamp cores

WP1 report



Correct Resistances
 1) Source - Drain $\sim 25 - 30 \Omega$
 2) Drain - Gate \sim Very High or open loop

From right to left 1 2 3 and on other side where 1 is 4 5 6



FET - Philips BF862

1) Feedback and gate go to the same pin
 2) If that pin is at top - source on left, drain on right

Necessary electronics

- If we are to test a complete triple cluster:
 - Need additional 72 channels (12 boards) of CWC convertor modules.
 - Need 2 core CWC modules
 - Alternative – boards to connect differential signals directly to Gretina cards.

Workpackage 2.

Regarding Milestone 2.4 Pulse Shape Analysis

Detector C001 suffered a failure of LN2 which destroyed the FETs

Repairs are being undertaken this week

If there is damage to the Preamps this may cause significant delays.

- Risk Register to be updated.

The minimum delay to this milestone from the failure is 1 month.

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Workpackage 3 Simulations and implementation of algorithms
Italian and French code obtained.
Gammaware has been introduced.
Effort importing ancillaries into code
Source simulations being performed
PRISM – delay until the end of the year.
Mark and Pancash to be given credit for software package produced.

Workpackage 4.
Support for commissioning phase at Legnaro
Source test in week 8

Workpackage 5 Electronics and software
Setting up demonstrator and de-bugging.
Discussing upgrade options
Digitiser options :

- Make smaller/lighter
- Improve low energy resolution
- Improve control interface.

Proposal:
-12 channels per segment cards (now 6)

Workpackage 6 Mechanics
Not started until we know where AGATA will go after Legnaro. ASC to make decision in June.

Workpackage 7
Management

Workpackage 8
Buying
Germanium currently being tendered. Delivery 17 months, then at 2 month intervals.
Crystals ordered by end of March.

7. Membership of AGATA committees

How to operate and manage AGATA in the future, which laboratories are involved and organisational structure of the project. John Simpson, Paul Nolan and Wolfram Korten have been asked by the AGATA ASC to write document summarising these issues.

The next AGATA week is liable to be in Cologne.
Dates 30th March to 1st April are currently proposed.

UK has 8 institutions.
We have been asked by the ACS to ask the institutions who they want to nominate on to the Co-ordination Council.
All UK institutions need to nominate someone for the Coordination Council.
The Co-ordination Council will elect a spokesperson for AGATA.

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The Co-ordination Council is tasked with organising physics meeting once a year to highlight the AGATA achievements.

The Coordination Committee will be formerly started at Physics workshop.

The tentative date of the Physics workshop to prepare the proposals for the Summer PAC for AGATA is 18, 19, 20 May.

The next LNL PAC for AGATA proposals will be held in June-July 2009.

Paul Nolan to find how to get access to the letters of intent for the physics proposals for agata at Legnaro.

Action 2.6 Paul Nolan

Next meeting: Friday 5th June 2009 at Liverpool start 12:00

Wednesday 30th September 2009 at UWS

Wednesday 6th January 2010 at Manchester