

## Muon-S: JRA joint kick-off meeting

Villigen, January 28, 2004

The first meeting of the MUON-S JRA was held at the Paul Scherrer Institut, Villigen, Switzerland on January 28 2004.

### Agenda:

1. Communications from the JRA Coordinator,
2. Start up of the Work Packages: discussion and actions,
3. Post Doctoral positions,
4. Other business.

### Attending:

- C. Bucci (Partner INFN-Parma)
- A. Amato (for D. Herlach, Partner PSI)
- P. King (Partner ISIS)
- S. Blundell (Partner Oxford)
- R. De Renzi (INFN-Parma)
- E. Morenzoni (PSI)
- R. Scheuermann (PSI)
- S. Cottrell (ISIS)

1. Communications from the JRA Coordinator.

From the NMI3 Coordinator we have learned that the official beginning of the activity will be set at January 1, 2004. The Consortium agreement is due to be signed shortly and funds will be made available to the involved institutions 40 days after the signature.

There will be a NMI3 – ENSA joint meeting in Perugia on March 4 and 5 in which a very short presentation of the JRA is planned.

2. Start up of the Work Packages: discussion and actions.

1. WP1- Detectors. Position-sensitive detectors: options and early choices ...; Fast-timing detectors: Avalanche Photodiodes (APDs) or Silicon Photomultipliers (SiPMs), Analog Detections; input form WP2 for early simulation steps.

2. WP2- Instrument simulation. Choice of methodology (Geant versus home-grown code). Initial modelling of muon and positron tracks; magnetic field strength and geometry ...;

3. WP3- Advanced Techniques. RF- $\mu$ SR (double resonance techniques), extension into the microwave region and acoustic muon spin resonance, simultaneous AC susceptibility measurements.

4. WP4- Management.

Web page: opportunity to adopt the general scheme within the neutron-muon Portal; provide basic information of general interest as well as management details and use links to the partner's web pages for technical details and a link to the Muon Portal scientific page for outreach purposes.

3. Post Doctoral positions.

In view of the financial constraints and the needs of the JRA, the following compromise is found acceptable:

- One Post-Doc position will be opened by INFN-Parma in order to start around October 2004 and devoted mainly to WP1. Meanwhile available manpower will be made available for activity at PSI by using, if appropriate, travel funds.

- One Post-Doc position will be opened by Oxford/ISIS, based at Oxford. The position will concentrate on WP2 (simulation), with some involvement in WP3 (advanced techniques).

- There is a need for a job description, including an outline of work in the first 18 months, for each of the two post doctoral positions. This description and outline should be agreed by the partners before any appointments are made. PSI/Parma to draft the job description for the WP1 post-doc, Oxford/ISIS to draft the description for WP2/3 post-doc, and these to be circulated to other partners.

4. Other business.

Next meeting (semi-annual technical meeting) June-July : exact date and location to be agreed among the WP's coordinators. For this meeting each WP provides a short report which, together with the Jan 2005 report, will contribute to the annual report that JRA MUON-S offers to NMI3.