

 <p>31 October 2004</p>	<p>Summary, CHIPP Executive Board</p>	<p>Meeting 6 21 October 2004 CERN</p>	<p>A. G. Clark J-P. Derendinger A. Rubbia</p>
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Agenda

1. CR of Meeting 5
2. Items arising and Communications
3. Follow-up of the CUS Request for a CHIPP Doctoral School
4. CHIPP Roadmap: Implementation Strategy for LHC experiments
5. CSCS Manno Computing Status and Draft MOU
6. Future Meetings
7. Divers

1. Approval of CR of Meeting 5.

The summary was agreed.

2. Items arising and Communications.

- a) AGC recalled the meeting organized by CHIPP at the University of Bern to celebrate 50 years of CERN in Switzerland. He thanked all the persons involved, and especially C. Blanchard, G. Kogler, K. Freudenreich and K. Pretzl for their help. It was felt that the meeting was a success. Thanks would also be sent to the Rector Of the University of Bern, and to Secretary of State Kleiber (action: AGC and J-P.D).
- b) The Fonds National (Division 2) had visited CERN on 12-13 October, 2004. This had passed off successfully. Thanks were extended to all the people who had contributed to the organization and displays, and in particular K. Freudenreich. A letter of thanks had been received from the Fonds National. There had been little feedback so far.
- c) The SUK request for the creation of a CHIPP doctoral school in particle physics has been distributed to all SUK members. André Rubbia reported on contacts concerning this initiative, between himself and the ETHZ management.
- d) The SUK request concerning GRID computing had been submitted by the University of Geneva to the Cantonal authorities, but had not been submitted to SUK by them. The reasons cited (verbal only) included the lack of a teaching component, and previous help by the Canton to the LHC project.

3. Follow-up: CUS/SUK submission for a CHIPP Doctoral School

- a) No news had been received concerning the request made to SUK for a Doctoral School in Particle Physics.
- b) *Subsequent to this meeting*, a communication was received from SUK informing CHIPP that the initiative had been *rejected*, since it did not fulfill the selection criteria: (action: discussion of future initiatives)
- c) A. Rubbia reported on the recent proposal by ETHZ and the University of Zurich to create a common Doctoral School in Particle Physics. This initiative includes many of the points included in the CHIPP submission to SUK. It would be responsible for the Master and Doctorate programs at the 2 institutes.

4. CHIPP Roadmap: implementation strategy for LHC experiments

- a) It was agreed that a document providing a strategy for exploitation of the LHC experiments should be available as soon as possible (aim: end of November 2004). It was agreed that the key issues concerned:
 - C&I and M&O costs for ATLAS, CMS and LHCb;
 - Computing infrastructure and M&O for these 3 experiments.Because of the different issues involved, it was agreed to make separate documents (see item 5 for computing document).
- b) It was agreed that both documents should be discussed and approved by the CHIPP Board prior to external distribution.
- c) J-P Derendinger agreed to collect revised estimates of the C&I and M&O estimates for each experiment until 2009 (subsequent to which the M&O numbers are expected to be steady). The document will
 - quantify all expected M&O costs;
 - quantify possible additional personnel (non-computing) costs;
 - note additional expenditure (R&D) related to future detector upgrades, but not at this stage make any request;
 - refer to a similar document (to be written) outlining computing needs.AGC agreed to provide J-P.D. with the draft document already existing, and the currently available numbers (*note added: this has been done*).
- d) There was discussion on the strategy needed to ensure the M&O and computing funding required, while maintaining a viable program ifor the other activities recommended in the Roadmap. No decisions were made.

5. Manno Computing Status and Draft MOU

- a) CHIPP EB expressed satisfaction that a FORCE request had been granted for 2004, for computing infrastructure for a Tier 2 CH Grid (127 KCHF).

- b) CHIPP EB thanked C. Grab (Chair CHIPP Computing Board) and G-P Volpato (CSCS) for a detailed set of offers from manufacturers for the creation of the Tier 2 Centre.
- CHIPP EB agreed that it was important initially to ensure reliable Tier 2 operation, in order to attract the user community. It recommended initially that emphasis should be on the File Server, a Master Node, and initially a limited number of Server nodes (say 5).
 - CHIPP EB recommended that the contract should be placed with a reputable supplier.
 - Note added: a meeting will be held between M-C Sawlay, C. Grab, A. Clark, A. Rubbia, G-P Volpato on 2 November to discuss the offers, and other issues.
 - CHIPP EB understands that both Nordigrid and LCG developments should be followed with the Tier 2 cluster.
- c) There was a discussion of Draft 2 of the MOU for a Tier 2 centre at CSCS Manno.
- Given the technical problems previously encountered, emphasis initially needs to be a demonstration that stable operation can be achieved
 - It was recommended that a deputy should be appointed to C. Grab, to widen the base at a time of drastically increased work load
 - It was emphasized that one person from each experiment should be following the Tier 2 developments on a detailed technical and user level.
 - There must be an updated document outlining the experiment needs and the consequent Tier 2 needs in 2006-2009. This should be accepted by the experiments. This will be difficult before a similar review by the CERN LHCC in January 2005.
 - Manpower needs should be carefully evaluated.
 - There should be close coordination between efforts at CSCS Manno and at contributing institutes (for example Bern).
- d) CHIPP EB decided to request that the Computing Board should organize a Workshop early in 2005 to discuss computing and physics issues related to LHC, and to define future computing activities related to the Tier 2 development in Switzerland. This could be organized at Manno or elsewhere.
- e) The CHIPP EB expressed appreciation of the activities of Derek Feichtinger and Frederik Orellano, and concern that their activities should continue beyond September 2005.

6. Future Meetings

- a) The Neutrino Workshop of May 2004 was discussed. It was considered a success. In view of the ongoing discussions related to T2K by the Swiss groups, and R&D towards EXO by the Neuchâtel group, the activities of Pillar

2 should be revisited approximately the end of 2005. It was noted that M&O for OPERA and ICARUS would be needed from 2007.

- b) The possibility of a Workshop on the 3rd. Pillar (interface between cosmology and particle physics) was discussed, but no decisions were made concerning the date and organization.
- c) The following Conferences and Workshops will be organized (jointly with CERN) under CHIPP auspices:
 - Hadron Collider Physics Symposium (HCP2005), Les Diablerets, 4-9 July 2005.The International Conference on Strings to be held in Switzerland in 2008, STRINGS2008, will be jointly hosted by CHIPP and CERN.
- d) As noted in Item 5, a request had been made for an LHC Computing Workshop to be organized early in 2005.
- e) Concern was noted that a small budget was required if future meetings were to be organized successfully. AGC agreed to contact the OFES and Fonds National concerning this.
- f) It was agreed that a CHIPP Board Meeting should be held in the period 1-3 December, with major agenda items being LHC M&O and LHC Computing. AGC agreed to contact Board members concerning this.

Future CHIPP meetings were discussed.

Meeting	Period
CHIPP Board	1-3 December 2004
CHIPP Board (+extra?)	2-4 March 2005
CHIPP Board (+extra?)	29 June – 1 July 2005
CHIPP Plenary and Board (scientific, PSI style)	28-30 September 2005
CHIPP Board	21-25 November 2005

It was agreed that AGC would circulate these dates as soon as possible.

It was agreed that the next CHIPP EB would be held at ETHZ on November 23, 2005. Major items would be to visit ETHZ activities, and to prepare M&O and Computing documents for the CHIPP Board meeting.

7. Divers

There was no other business