DRAFT – Recommendations of the 52nd Meeting of the PRC
DESY 25-26th October 2001

approved by the DESY directorate in its session on Nov. 1st

HERA

The PRC congratulates the HERA machine crew to the completion of the upgrade and the progress in the commissioning of HERA.

The PRC considers that the decision on the date when to switch from positrons to electrons is part of the overall optimisation of the HERA programme. It should be agreed within the HERA-coordination meeting. The PRC does not see convincing new arguments which could reverse the decision of a timely change from positrons to electrons.

HERMES

The PRC congratulates the HERMES collaboration to the many interesting physics results.

Concerning the planning of the proposal for a recoil detector the PRC **recommends** that all efforts should be made to present a Technical Design Report (TDR) by the May 2002 PRC, that the TDR should contain a chapter on physics and that a discussion on the status of the TDR between HERMES and the referees should take place in Feb. 2002.

ZEUS

The PRC acknowledges the physics results presented and congratulates the collaboration for the successful completion of the detector upgrade during the shut-down.

H1

The PRC acknowledges the physics results presented and congratulates the collaboration for the successful completion of the detector upgrade during the shut-down.

The PRC acknowledges that the third and last break point of the FTT (Fast Track Trigger) proposal has been achieved and **recommends** the project for final **approval**.

The PRC takes note of the progress on the planning of the VFPS (Very Forward Proton Spectrometer) and **recommends** the proposal for **approval**.

HERAb

The PRC was happy to see the first physics results. It acknowledges the progress in detector understanding and the detector improvement programme executed during the shut-down. It supports the HERAb physics programme, which requires 8 months of stable data-taking and thus will probably continue into 2003. It also takes note that, due to the lack of manpower, HERAb will not be able to submit a new physics proposal for the next PRC.

Given the shrinking manpower of the collaboration, the PRC **recommends** that

- early, short tests with protons are important for the running-in of HERAb,

- all institutes who signed the December 2000 physics proposal should actively contribute to make the 2002 physics run and analysis a success,
- the institutes should make an effort to provide bridging positions within HERAb for students after completion of their PhDs.

POL2000

The PRC took note of the progress.

Amanda – IceCube

The PRC takes note of the progress in the analysis of the '99/'00 data from Amanda II and in the "quasi-on-line" monitoring of the data. It is looking forward to a timely completion of the data already taken and encourages the collaboration to strengthen the Monte Carlo effort.

The PRC takes note of the major progress in preparing IceCube and of the recent positive review by the Hartill-panel. The PRC **recommends** the **approval** of the DESY participation in IceCube as proposed, subject to approval and funding of IceCube by the NSF and the working out of a MoU (Memorandum of Understanding). It encourages DESY-Zeuthen to become the European analysis centre.

PRC R&D-01/04: R&D Programme of Monolithic Active Pixel Sensors

The PRC is impressed by the quality of the proposed programme and its high potential for applications in many fields and strongly **recommends** its **approval**. It encourages a collaboration with the LCSFI groups, as there are a number of common problems. It asks for a status report in spring 2003.

PRC R&D-01/03: LC TPC R&D

The PRC **recommends** the **approval** of the proposed R&D programme. It encourages the collaboration to perform in high magnetic fields tests of the different end-plate geometries (GEM, MICROMEGAS and standard wire chambers) and to use the performance of the ALEPH TPC as bench mark for a TESLA detector. It asks for a status report in one year.

PRC R&D-01/02 – Memo – 01 from the CALICE (**CA**lorimeter for the **LI**near **C**ollider with **E**lectrons) collaboration

Concerning the W-Si proposal the PRC considers that the questions asked at the last meeting have essentially been answered and **recommends** the proposal for **approval**.

Concerning the hadronic calorimeter (HCAL) a number of open questions remain (detailed requests, funding, technical issues). The PRC **recommends** to proceed towards the **technical prototype tests**. It asks the collaboration to streamline its organisational structure, develop a unified software for the two HCAL options and assure that the prototype results can and will be used in the software development. The detailed requests for financial and manpower support should be worked out with the DESY directorate. The PRC asks for a status report in one year.

Other decisions or comments:

1. Notes and proposals to the PRC have to be submitted to the Scientific Secretary 4 weeks before the PRC meeting. In future documents received less than 2 weeks before the meeting will not be considered.
2. Draft recommendations and minutes of the PRC meeting and the corresponding decisions of the DESY directorate will be made available to the PRC members and the collaborations 4 weeks after the PRC meeting at latest. They can also be made available to the relevant funding agencies.

Draft: R.Klanner