

CERN/EP/EHS/PH 81-2
11 March 1981

MINUTES OF THE 6TH EHS USERS' COMMITTEE

23 September 1980

1. STATUS OF EHS

D. Güsewell, W. Allison, L. Ventura and E. Johansson give a status report on the general installation, the vertex magnet M1, RCBC, the wire chambers, ISIS, the gamma detectors and the optical fiducial volume trigger.

The first cooldown of RCBC is planned for the end of 1980, a second one being foreseen in February 1981 and a third one in April-May 1981 in order to be ready for the final setting-up in June 1981.

The mapping of M1 should be completed in 1980.

At the end of the NA16 run (June 1980), certain weaknesses of the wire chambers and the drift chambers have been discovered and a programme of work for the spectrometer during the shutdown is foreseen in the following way:

- W₂ : to be repaired in October - December 1980;
- MWPC's : monitoring to be improved;
- D₁ D₃ : to be repaired in Amsterdam;
- D6 : construction completed and the end of 1980.
D4 back to Vienna to be repaired.

Performance of ISIS 1 and gamma detectors will be tested with NA16 analysis.

The expected performance of the OFVT is discussed, (CERN/EP/EHS/PH 80-14).

2. HOLOGRAPHY EXPERIMENTS

Paul Lecoq summarizes the results of the tests made in June 1980, with BIBC (CERN/EF 80-2) and Heinrich Leutz his plans for the construction of HOLEBC, a lexan bubble chamber with two optics lexan windows to allow drak field illumination and holography. One of the main difficulties is to achieve large bubble densities in hydrogen.

3. NA16 EXPERIMENT

Steve Reucroft gives a status of NA16 and Francis Bruyant lists the software problems which remain to be solved.

4. THE COGNE MEETING

Lucien Montanet summarizes the discussions organized at Cogne by the SPSC and relevant to EHS and the high resolution programme. The three "classical" EHS proposals (diffraction, K^+ interactions, $\bar{p}p$ annihilations) could represent a healthy programme of research on strong interactions, the three proposals being rather complementary and corresponding to reasonable sizes for the collaboration. However, it is underlined that particle identification is very desirable for the diffraction and compulsory for the two other proposals.

High resolution experiments using holography with heavy liquid or hydrogen bubble chambers are very welcome and proposals should soon be presented to the SPSC.

5. NOMINATION OF A NEW CHAIRMAN

Marcello Cresti informs the committee that his chairmanship comes to an end in 1980 and he calls for candidates.

6. REMINDER

The next EHS Users' Committee will take place at CERN in the Council Room on :

WEDNESDAY, 1 April 1981 at 9 a.m.

(Status of EHS, of NA16, of approved and recommended experiments, 1980 schedule, etc.)

Other meetings are organized in the same week :

P154 - collaboration meeting	:	31 March	- 9 a.m.	(13-2-005)
NA22 -	" "	31 March	- 2 p.m.	(Room A+C)
P155 -	" "	1 April	- 2 p.m.	(Room A+C)
Software meeting	:	2 April	- 9 a.m.	(13-2-005)
NA16 - collaboration meeting	:	2 April	- 2 p.m.	(13-2-005)
	and :	3 April	- 9 a.m.	(13-2-005)

L. Montanet