

MINUTES OF THE MEETING OF NOVEMBER 17th 1988 ON THE INSTALLATION  
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OF THE FIRST STAGE OF THE NEW SLOW EXTRACTION  
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Present : P. Bourquin, K. Baetzner, P. Bossard, A. Burllet, F. Emery,  
M. Tardy, M. Thivent, J.M. Roux, J.P. Riunaud, Ch. Steinbach.

Excused : N. Blazianu, M. Bole-Feysot, E. Chevallay, D. Cornuet,  
P.H. Mann, T. Risselada, D. Simon, M. Van Rooij.

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1 STATUS OF THE VACUUM CHAMBERS  
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The chambers for the main magnets are ready and will be baked out next week. The SS 57 vacuum vessel requires a minor modification which will be executed soon.

2 ELECTROSTATIC SEPTUM  
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Everything is ready for installation, including the 400 l pump. The power supply will be the reserve for ES 83, and the controls will just be switched from ES 83 to ES 23. The Septum Magnet Box has already been installed. The angular rotation of the anode will be around the downstream end since the septum had been designed originally for an external position. The miniscanner will be available.

3 MAGNETIC ELEMENTS  
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All high energy dipoles, quadrupoles and sextupoles have been installed during the last long shut-down. The injection quad of SS 22 will have to be traded for an enlarged one. The nylon cooling pipes of the ISR quad of SS 07 have not been changed, but they are believed to be sufficiently radiation hard to withstand the tests foreseen this year.

Though it is not directly the subject of this meeting, P. Bossard announces that the new quadrupole FT62.QF001 may not be ready for installation during the next shut-down.

4 INSTRUMENTATION  
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Only a few details still need to be settled for the miniscanner, the minitoposcope and the television screen. The enlarged pick-up electrodes of SS 23 and 57 are ready for installation.

5 PLANNING OF INSTALLATION DURING THE SHUT-DOWN  
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A. Burllet issues his planning (in Appendix), which shows that the main part of the work will take place between the third and sixth week of the year. The manpower foreseen in the PS ring during the shut-down consists of 2 workshop mechanics, 2 Regie mechanics, 2 Prestation vacuum specialists, one welder, surveyors and transport people (ST division). Since the so-called Technical Week is meant for start-up with beam in the PS, all the installations and tests in the Ring should be finished by February 24th 1989.

## 6 SCHEDULE OF THE TESTS

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The Test period has been agreed upon with the Physics coordinator Ph. Bloch and M. Boutheon : Between May 8th and 21st 1989. There is no access foreseen in the Ring at the beginning and during this period, so that commutation of power supplies and controls should be possible from outside the Ring, and performed within a few hours.

## 7. CONCLUSIONS

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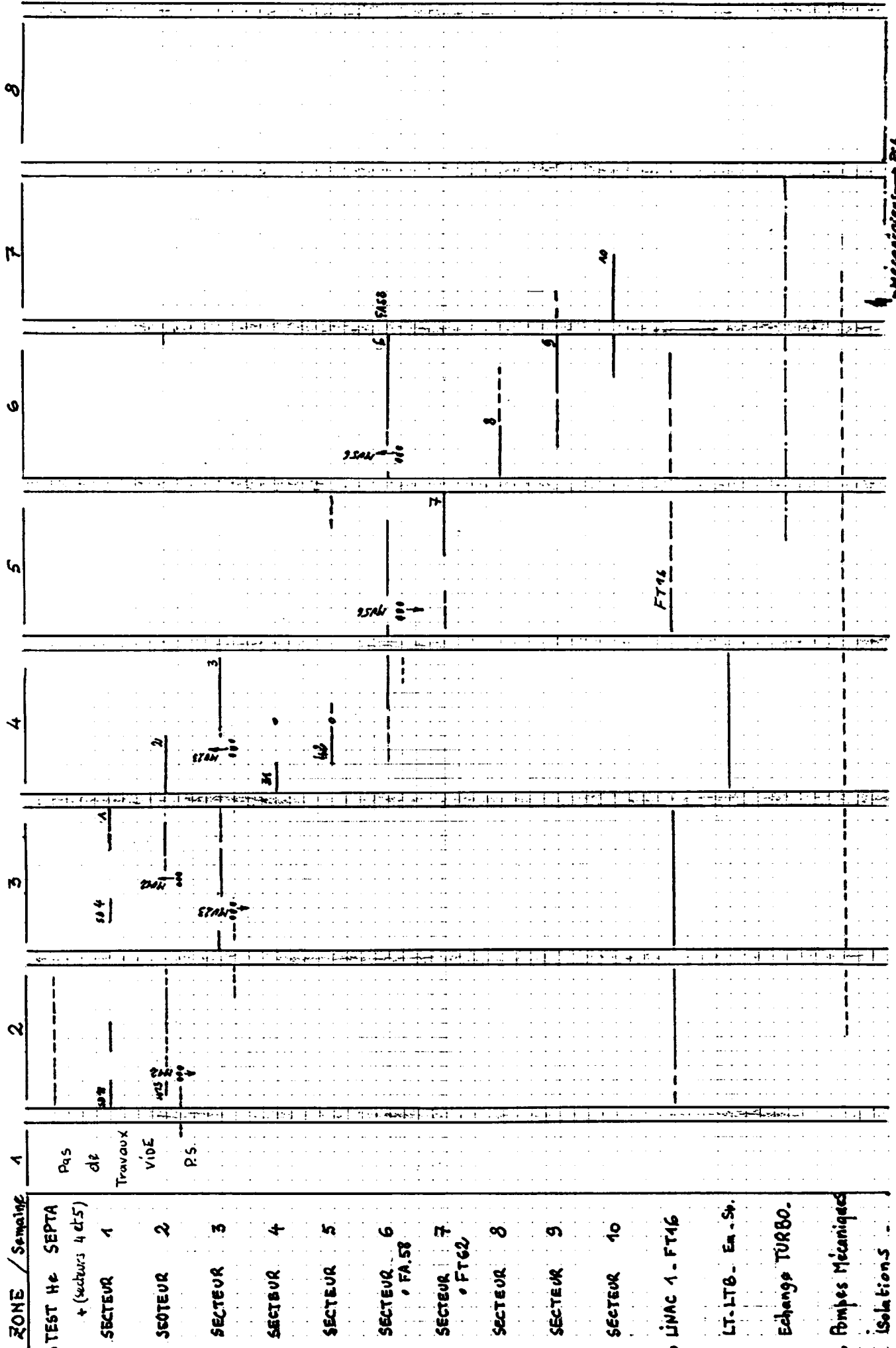
From the status of the various items involved, there seems to be no problem in getting all the hardware and instrumentation installed and ready at the end of the next long shut-down. The initial tests of the partial New Scheme for Slow Extraction 62 could therefore take place in May 1989.

J.P.Riunaud and Ch. Steinbach

Distribution: People present and excused  
R. Billinge  
Ph. Bloch /EP  
J. Boillot  
E. Jones  
Group leaders and Associates.

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