MEMORANDUM

To/A: L. Foa – EP – Chairman of SPSC

From/De: E. Quercigh – EP – Spokeman of WA85

Subject: Running in 1989 and 1990

Concerne

Brief summary of WA85 activities

- September–October 1987: $^{32}$S run (10$^7$ triggers).

- November 87–March 88: Tuning of reconstruction programs. The analysis of a small data sample (1/200 of final statistics) shows clear $\Lambda^0$ and $\bar{\Lambda}^0$ signals in our data. Preliminary results have been presented at Lisbon and Moriond.

- April 1988: Production run of event reconstruction has started. $10^8$ S + W events have been processed so far. Calibration run with protons (4.6 $x$ 10$^7$ triggers on tape).

Ideas for the future

- We need more sulphur data with charged particle identification. We intend to use the existing Omega Cerenkov (C1) (modified to have the same geometrical acceptance as the butterfly chambers) in order to identify $p$ and $\bar{p}$; the aim is to measure $\Lambda/p$ and $\bar{\Lambda}/\bar{p}$ ratios.

- The sensitive regions of the lever arm butterfly chambers will be modified to match those of the Omega "A" chambers.

- Ideas are being developed for Pb beams.

REQUEST FOR 1989 AND 1990

- As many days as possible with $^{32}$S beam at 200 GeV/nucleon.

- 17 days with proton beam for calibration purposes.