



CM-P00045539

M E M O R A N D U M

To/A : Members of the SPSC

From/De : WA 14 Collaboration - Spokesman A. Pullia

Subject/: Gargamelle runs in WB neutrino beam  
Objet

---

With regard to the scheduling of the Gargamelle neutrino experiments before the long 1980 shut-down, the WA 14 Collaboration would like to specify its request for at least one thirty-day running period at an intensity around  $8-10^{12}$  ppp in the wide band neutrino beam. This corresponds to an increase of about a factor two of the already existing statistics. These new statistics will be used for the following topics: search for charmed baryons and determination of their masses, coherent neutral and charged current reactions, dimuon events and the  $\nu_{\mu} e \rightarrow \mu^{-} \nu_e$  reactions. These are physics topics in which Gargamelle offers definite advantages compared to other set-ups thanks to the veto counter, picket fence and two-plane EMI and a working chain for scanning measurement and analysis already functioning.