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ADDENDUM TO THE LETTER OF INTENT

MEASUREMENT OF  $\nu_e$  N SCATTERING, TEST OF  $\mu$ -e UNIVERSALITY AND  
 SEARCH FOR  $\nu_e$  OSCILLATIONS USING BEBC FILLED WITH A NEON-H<sub>2</sub> MIXTURE

Our group has submitted a year and half ago a proposal (P116) to do an experiment in BEBC filled with neon-H<sub>2</sub>, using a  $\nu_\mu (\bar{\nu}_\mu)$  wideband beam.

In that proposal we have stated our interest in studying  $\nu_e (\bar{\nu}_e)$  interactions, using the  $\nu_e$  contamination present in any  $\nu_\mu$  wideband beam.

In the meantime, an experiment (WA59) requiring the same liquid and beam as ours has been approved by the SPSC for a different Collaboration that plans to measure  $\nu_\mu$  interactions for the determination of structure functions.

The experiment has recently been run. We are asking the WA59 Collaboration to let us use in the meantime that film or copy of it, for the search and measurement of electron events.

This will give some preliminary information on the question of  $\mu$ -e universality and will also enable us to gain experience in the measurement of electrons in neon-H<sub>2</sub>. At the same time this would provide us with a reasonable sample of  $\mu$ -e events, that was also of interest to us in P116.

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