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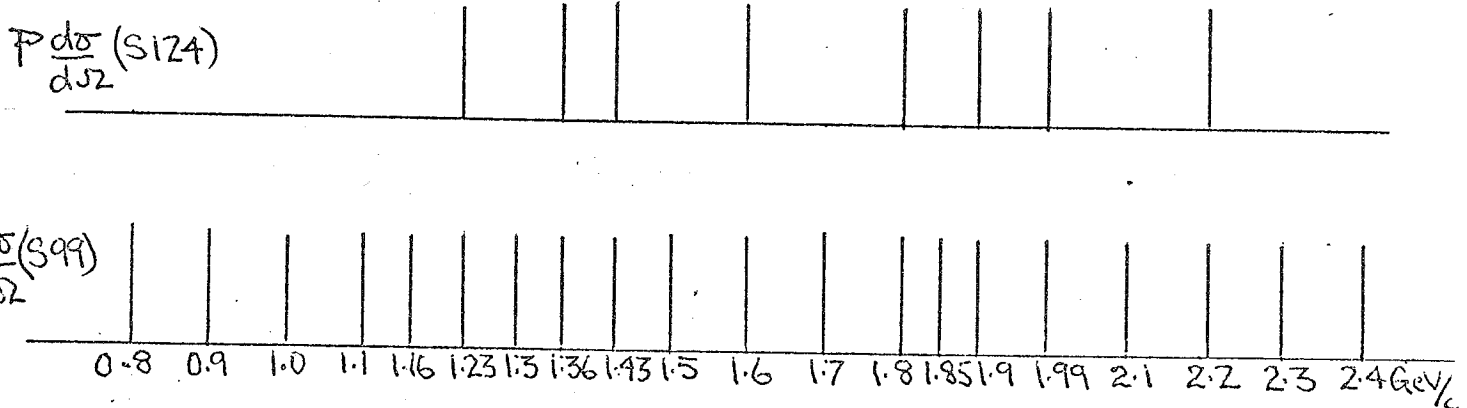
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To/A : Professor I. Mannelli - Chairman of E.E.C.

From/De : Queen Mary College-Daresbury-Rutherford Lab. Group

Subject/Objet : S124 Running Time beyond 1973-74 Shutdown.

The figure shows the momenta at which the differential cross sections for $\bar{p}p \rightarrow \pi^-\pi^+$ were measured in S99, and our estimate of the momenta for which data collection will be completed in S124 by the 1973-74 shutdown.



We are attempting an energy dependent partial wave analysis and the overlap between the two experiments is poor. We will try to improve the overlap by collecting data at 0.9, 1.0, and 1.1 GeV/c, but believe this cannot be achieved within our remaining allocated time. Therefore, we would like to request the use of the improved M_{11} beam for the first South Hall period in 1974.

We believe we can obtain the data with the increased flux in one P.S. period, provided that our extensive beam diagnostics can be used to set up the M_{11} successfully in a few days.

A. Astbury