



CM-P00040191

Letter of Interest

Rapid cycling bubble chamber with external detectors

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Firstly we must emphasise this is not a letter of intent. However, in view of the presentations at SPSC on February 25th on the project for a rapid cycling bubble chamber we feel we should at least express our support and declare a serious interest.

Possible cases for physics experiments are at present being examined in Liverpool together with the associated technical problems. In order to gain technical experience and understand the problems of hybrid bubble chamber systems we have made a proposal for a 100 GeV/c $\bar{p}d$ experiment at NAL in the 30 inch chamber in association with the University of Stockholm. This proposal has been accepted and we have already sent two of our members to NAL to participate in a run for training purposes.

It is therefore our hope to make a presentation to SPSC when we have a physics case which satisfies us.