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ISR RUNNING-IN

Run 101 - 18 August 1971

Ring 1 - 15 GeV/c - 20 bunches

Q shifts produced by a stack

It was proposed to accelerate a PS pulse across the vacuum chamber to a given position and then to move slowly the working line (using Terwilliger quadrupoles T_{D1}) until a known resonance was observed, this by the attenuation of the PU sum signal. By performing this experiment with and without a stack, it should be possible to deduce the Q shift introduced by the stack.

Unfortunately, it was not possible to keep a single PS pulse bunched after acceleration. S. Hansen worked hard to find what was wrong with the RF system and discovered at the end of the allocated time that the EIMAC system was switching off the RF on the cavities for a few milliseconds, 4 seconds after injection.

It would be interesting to try this experiment again in a future run.

J.P. Gourber

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