



Contribution ID: 37

Type: **not specified**

Mitigation strategies in case of possible magnet failure in the DTL of Linac 2

Friday, 6 March 2009 12:20 (20 minutes)

CERN's Linac 2 accelerator is the source of all primary proton beams, and has been in service since 1978. There are sub-systems of the Linac which are difficult to repair, but one main concern has been the inaccessibility of the ~130 quadrupole magnets: the girder supporting the drift tubes (containing the quadrupoles) cannot be lifted from the tank in the Linac 2 tunnel, with the present crane.

We will present the problem, the steps estimated to make a repair along with a time estimate. Certain investments are necessary in order to keep this estimate, and discussion should include to what extent time and money should be spent on mitigating potential problems at Linac2, with respect to the construction of Linac4.

Presenter: SCRIVENS, Richard

Session Classification: Session 5 - Experimental Areas