Linac Laser Notch Installation Readiness Review

August 5th, 2014

Review Committee:
J. Ruan (chairperson)
J. Santucci
A. Makarov
R. Reilly

Organizer:
Fernanda G. Garcia
(on behalf of PIP management team)

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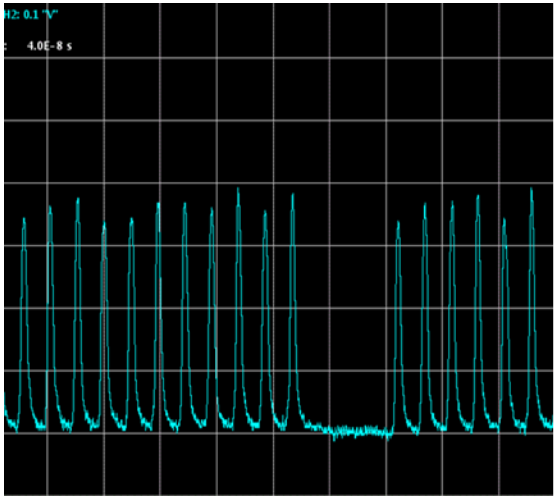
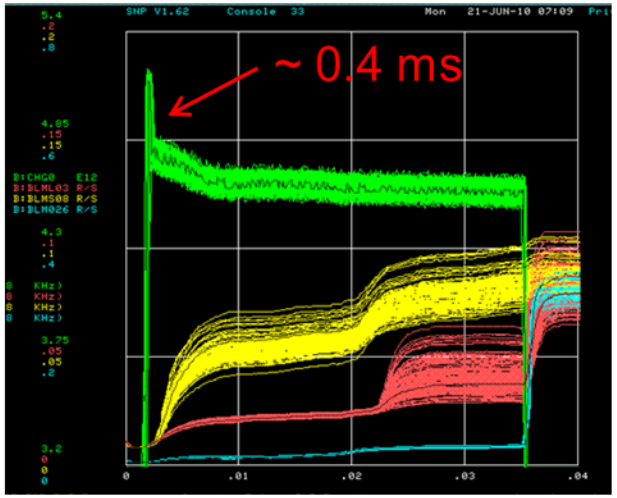
Motivation:

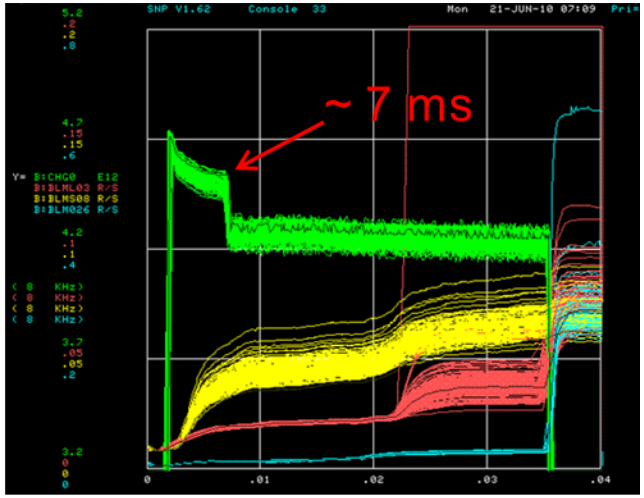
Reduce activation in the booster tunnel by moving the notch creation process outside the booster enclosure

notch created @ 400 & 700 MeV

totalizing ~ 20J @ current intensities







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<u>Charge</u>

The purpose of this review is to assess the project current plans for mechanical installation in September

However, we encourage and welcome thoughts and suggestions you may have to the project that goes beyond shutdown’14 activities

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Goals for this review

- Open discussion
- Evaluate the current installation plan developed by the group
  - Mechanical installation of the vacuum chamber and mirrors during September shutdown
  - Tight space to insert the apparatus. We want to do right!
  - Design well thought out to minimize operations impact while work continue on the device
- Provide recommendation if necessary on how the design should be improved

Final report due 08/14

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AGENDA	
Welcome and Introduction	Fernanda G. Garcia (10’)
Linac laser notch system overview and September shutdown	David Johnson (20’)
RFQ Injector Line (RIL) simulations	Jean-Paul Carneiro (20’)
Mechanical Design and shutdown plans	Kevin Duel (30’)
Laser system status and plans (beyond September shutdown)	David Johnson (45’)