



# Linac2, Linac3 and Sources



## Linac 2

- Source ran @ 50Hz for 50 hours with 100 $\mu$ s beams

Equivalent to 100 days running

Limited to 30 $\mu$ s due to HT supply (100 $\mu$ s w/o HT)

Will be tried in 2001 to condition the source









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## Future Linac 3 sources

- 14GHz ECR Pb
- 14GHz ECR In - for ion run in 2003 - All tests in 2001
- LIS - Switch yard and dedicated RFQ-LIS

Decide end 2001 - Improve 2002 - Install in 2003

- 28GHz Innovative-ECR Pb - RFQ-IECR  $n_e T_e \propto f^2$

Exp. end 2002 - Source could be built for 2003, install 2004

- Light ion source (He-D) - ECR or duoplasmatron (a new RFQ?)
- A lot of other ideas - ECRIT - EBIS etc etc...

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Recap priorities for 2001

- Understanding of LT-LTB Optics + Measurement lines
- Indium from ECR source to end of Linac
- Follow-up of all future source research
- Supply ions for beam induced desorption measurements