

CHI Plans for Fy 02

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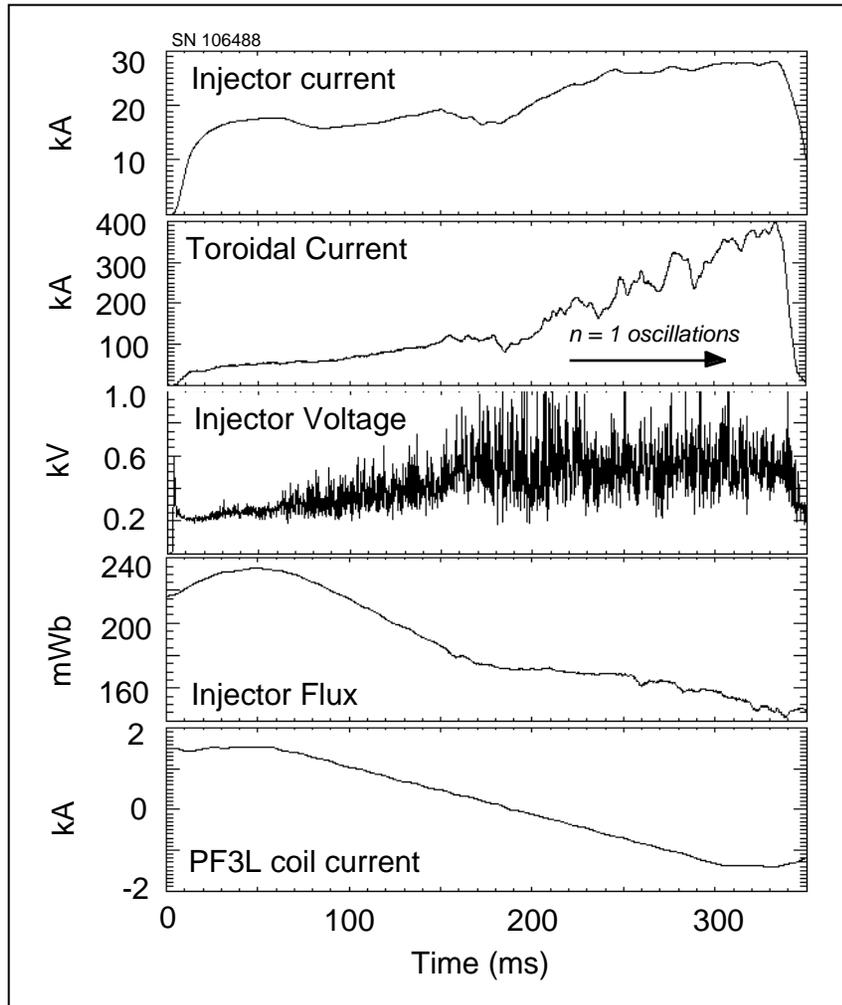
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Obtained 390kA with a current multiplication of 14



Accompanying observations

- Evidence for good $n=1$ oscillations deemed necessary for flux closure.
- Consistently encouraging MFIT reconstructions.
- Evidence for higher temperature from SXR's. Ion temperature and plasma rotation measurements.

Research goals



- Get to 500kA (high current milestone for Fy 02)
- Initiate feedback control tests
- Characterize CHI plasmas, including electron pressure profile measurements, with and without auxiliary heating
- Flux closure assessment (modifications to EFIT)
- Studies of CHI induced MHD activity
- Improve experiments on edge current drive