

Fermilab/NICADD Photoinjector Laboratory (FNPL)

- Twin to the TTF injector; 1-10 nC, 1 Hz, 17 MeV
- Present Collaboration: Fermilab, U of Rochester^{SPP}, UCLA^{PD}, DESY, INFN, NIU^{SD}, U of Chicago^S / ANL; others welcome, but is not a “user facility”

S = PhD Student; P = PhD Degree granted; D = Post Doc; also one PhD from U of Paris

- Fermilab is committed to several years’ support
- First advisory committee meeting June 23, 2001
(Chair is KJ Kim of U of Chicago / ANL)
- Dedicated to accelerator research including, e.g.,
 - Production of “flat” beams
 - Bunch compression studies
 - Plasma acceleration
 - Laser acceleration
 - Smith-Purcell radiation source
 - (Channeling radiation)
- FNPL next steps may be upgrade to 100-200 MeV, with optimization and testing of an integrated injector configuration for low emittances of beam physics interest to linear colliders and/or X-ray FELs.