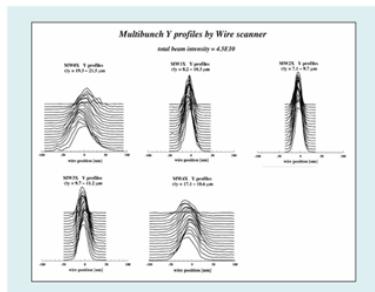
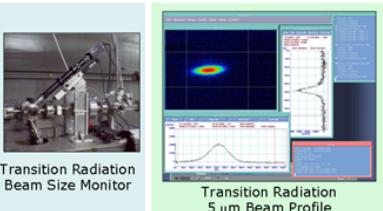


RF Cavity BPM



International Collaboration (KEK-SLAC-LBNL-CERN-Japanese/UK Universities)

Damping Ring Emittance Control

- Precision Alignment
- Beam-Based Alignment

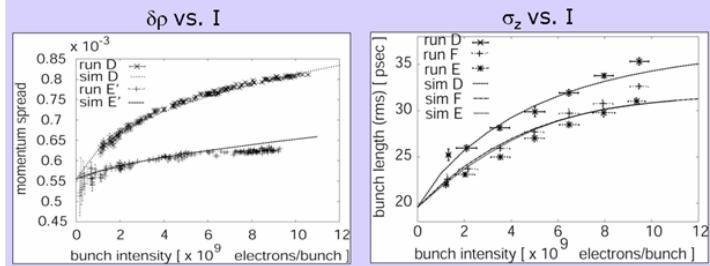
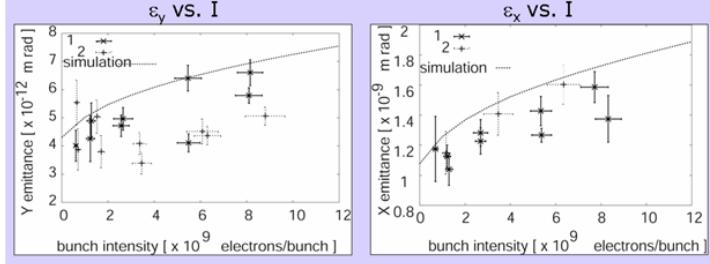
High Gradient S-Band Injector

Instrumentation Development

- Laserwire
- Transition/Diffraction radiation
- X-ray synchrotron radiation
- Wire scanners
- Multi-bunch

高エネルギー加速器研究機構

EMITTANCE ATF vertical emittance < 5 pm-rad better than NLC requirements



LASER WIRE

Beam passes through a pair of Fabry-Perot Cavities

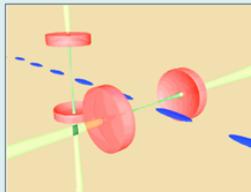
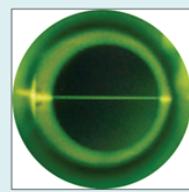
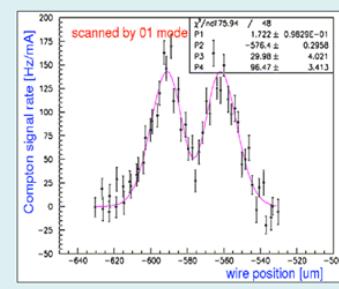
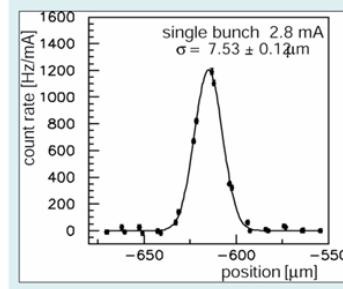


Image of Laser Light stored in a Cavity



Beam Size Measurements



5 μm beam size