

COLLABORATIONS

Project	Collaborators
Semiconductor Detectors	
Semiconductor Position Sensitive Detectors	Milan Poly; CERN
Multi-element and Silicon Drift Detectors	Wayne State
Radiation Damage	CERN; Univ. Hamburg; Univ. Florence
Gas and Noble Liquid Detectors	
X-ray Detector 1D & 2D, <100 μ m FWHM resolution	Biology; NSLS; Physics
High Resolution (<400 μ m FWHM) Neutron Detectors	Chemistry; Biology; LANL; NIST
Interpolating Pad Chambers for High Particle Multiplicities	Physics; CERN
Fast Noble Liquid Calorimetry. High Resolution EM Calorimeter with Liquid Krypton or Argon	Physics + 9 inst.; CERN; Columbia Univ. (Nevis Labs.)
Microelectronics	
Hybrid and Monolithic Low Noise Amplifiers	Penn; Milan Poly; Pavia; Symbol Technologies
Front End Electronics for Various Detectors	LAL Orsay; Pavia; Penn; eV Products
Fast Noble Liquid Calorimetry Electronics Operated at Low Temperatures	Physics; LAL Orsay; CERN
Data Acquisition Systems for Particle and Position Sensitive Detectors at the RHIC and NSLS	Biology; Chemistry; Physics; NSLS
Optics And Laser Technology	
Optics Metrology and Properties of Optical Surfaces	NSLS; APS; LBL; Ocean Optics, Inc.
Lasers, Photocathodes, Fast Switching	Physics; ATF; SLAC; CERN; Brookhaven Technology Group
Electro-optics and Ultrashort-Laser-Pulse Measurement Techniques	AGS; Physics; CPPM; Sandia; Montana State Univ.; Univ. of Pittsburgh
Micro/nano Fabrication	
Micro/nano structure Fabrication	New Jersey Institute of Technology; SUNY