

Summer Students at Fermilab and other US laboratories

E. Barzi, G. Bellettini, S. Donati (INFN and University of Pisa), M. Mambelli



INFN/FERMILAB/UNIPI/CAIF SUMMER SCHOOL MASTER STUDENTS OF EUROPEAN UNIVERSITIES

PHYSICS/APPLIED PHYSICS
ENGINEERING, MATERIALS SCIENCE, COMPUTER SCIENCE

ADMISSION

CV + RECOMMENDATION LETTERS + INTERVIEW + ENGLISH

ACTIVITY AT FERMILAB

AUGUST-SEPTEMBER (9 WEEKS)

TRAINING PROGRAM SUPERVISED BY ONE FERMILAB EMPLOYEE
MIDTERM REVIEW, FINAL REVIEW, WRITTEN REPORT

UNIVERSITY CREDITS

FINAL EXAM WITH A UNIVERSITY OF PISA COMMITTEE
AWARDS 6 ECTS CREDITS (6 CFU IN THE ITALIAN SYSTEM)

SPONSORS

INFN AND US DEPARTMENT OF ENERGY
ASI-CAIF FOR SPACE SCIENCE LABORATORIES
0 COST FOR THE STUDENT, 15,000 \$/STUDENT FOR THE SPONSOR

FERMILAB IS USA'S PARTICLE PHYSICS AND ACCELERATOR LABORATORY

1700 EMPLOYEES, AND MANY MORE VISITING SCIENTISTS
AND ENGINEERS FROM ALL OVER THE WORLD

PARTICLE PHYSICS & NEUTRINO DIVISION

DETECTOR DEVELOPMENT AND FERMILAB EXPERIMENTS
COLLABORATION WITH CMS AT CERN LHC
MUON CAMPUS & SHORT/LONG BASELINE NEUTRINO EXPERIMENTS
THEORETICAL PHYSICS AND ASTROPHYSICS DEPARTMENT

ACCELERATOR DIRECTORATE

DEVELOP NEW ACCELERATOR TECHNIQUES
PROVIDE PARTICLE BEAMS FOR FERMILAB EXPERIMENTS

EMERGING TECHNOLOGIES/APPLIED PHYSICS AND SUPERCONDUCTING TECHNOLOGY DIRECTORATE

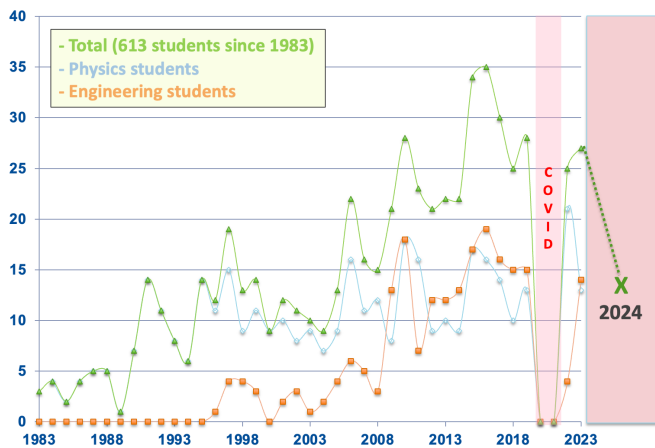
DEVELOP NEW TECHNOLOGIES FOR PARTICLE PHYSICS EXPERIMENTS

COMPUTATIONAL SCIENCE AND ARTIFICIAL INTELLIGENCE

COMPUTING INFRASTRUCTURE FOR DATA HANDLING AND ANALYSIS

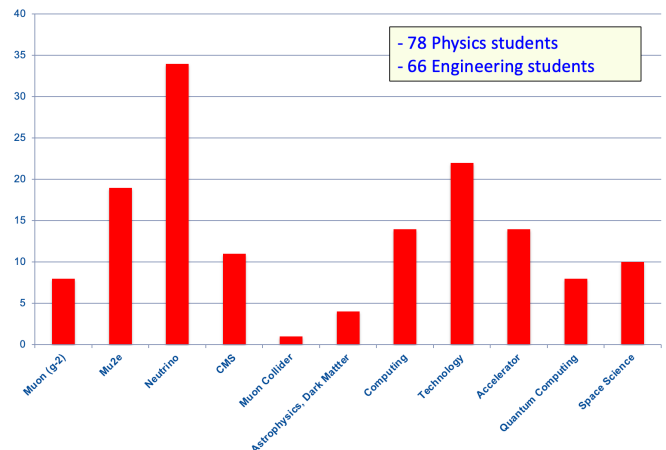
IDEAL ENVIRONMENT FOR STUDENTS' HANDS-ON TRAINING

ONLY ONE COMMANDMENT THE BEST STUDENT FOR THE BEST TRAINING PROGRAM

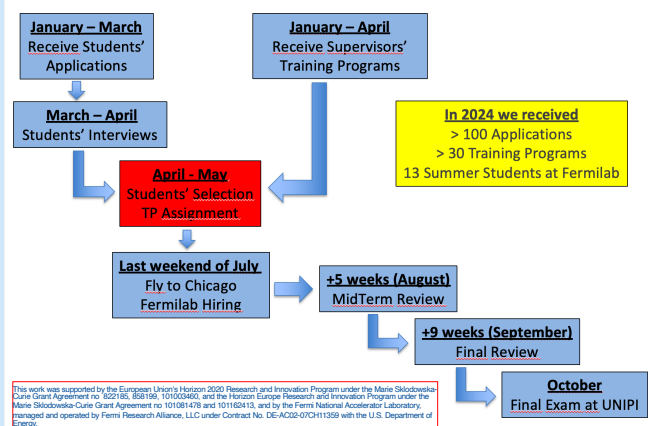


MANY EXTENDED COLLABORATION FOR A MASTER & PHD

TRAINING PROGRAMS (2017-2024, THE LAST "6 YEARS")

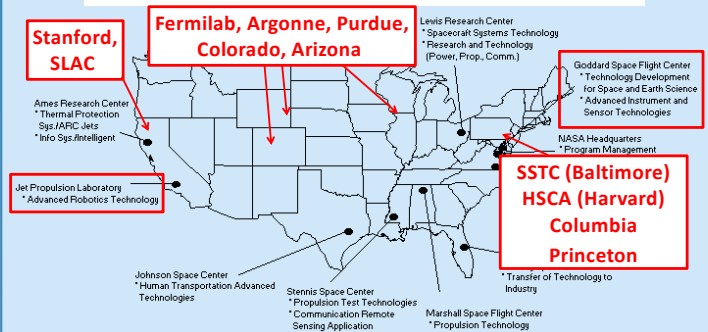


IMPORTANT ACTIONS/DATES



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INTERNSHIPS AT US SPACE SCIENCE LABORATORIES



>30 SUMMER STUDENTS OUTSIDE FERMILAB IN 2010-2024
FINANCIAL SUPPORT FROM ASI, INAF