



PIXE-PAN@ND 2007

Summer Science Program

Joint Institute for Nuclear Astrophysics
Nuclear Structure Laboratory @ University of Notre Dame

High School Science Teachers: June 18 - 29

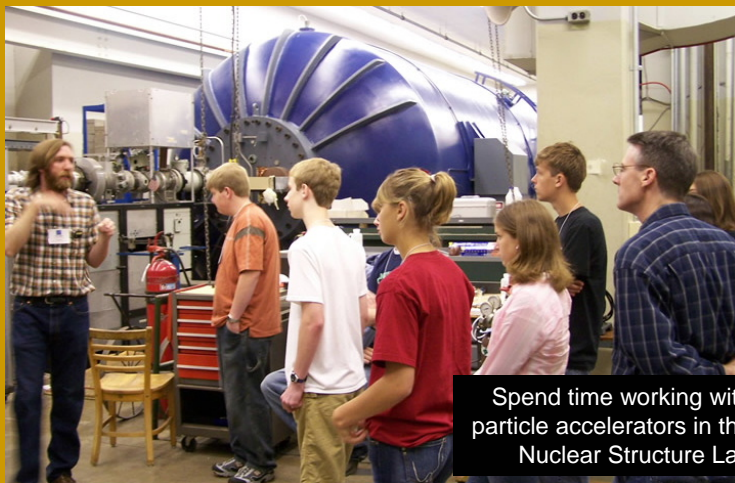
High School Students: June 25 – 29

Apply on line at: www.JINAweb.org/outreach/PIXE

Application deadline: April 1st



Use accelerator based X-RAY
analysis of materials from art to
archeological artifacts



Spend time working with
particle accelerators in the
Nuclear Structure Lab

PIXE: Proton Induced X-ray Emissions – an accelerator based technique to ascertain elemental abundances in the analysis of objects;

PAN: Physics of the Atomic Nuclei program, a successful educational outreach program for teachers and students @ MSU now in its 13th year

PIXE-PAN: a replication of the MSU program at ND, with a PIXE focus.