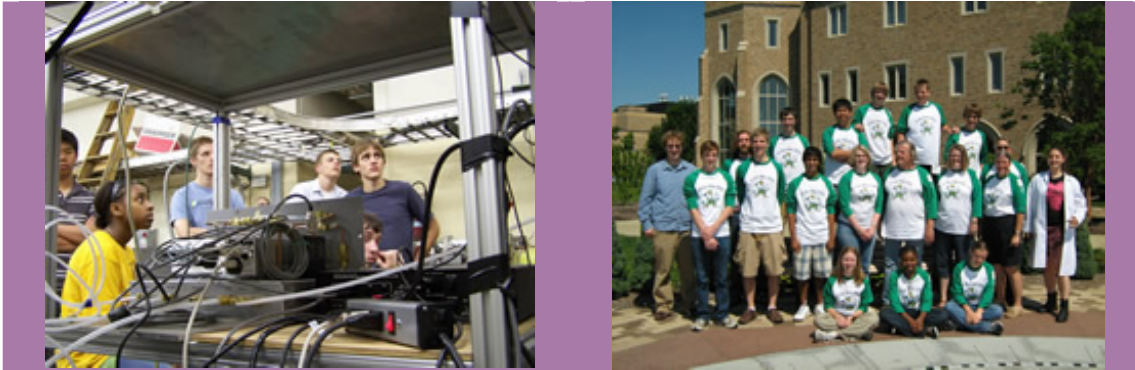




PIXE-PAN 2009 @ Notre Dame



The fourth annual PIXE-PAN program at the University of Notre Dame was held in June. Four high school teachers were here on Campus for two weeks (June 15-26), and 12 students joined them during the second week. Groups were intentionally kept small to enhance the hands-on experience for each participant.

Participants performed experiments exploring different topics in modern physics and used the FN tandem accelerator in the Nuclear Science Laboratory to perform PIXE (proton-induced x-ray emissions) measurements on a variety of samples. In addition to the experiments, lectures by Notre Dame Faculty covered PIXE applications, nuclear physics and astrophysics, and an introduction to JINA Science.

PIXE-PAN concluded with student team presentations about their findings, including the unmasking of the murderer of NSL Lab Director Dr. Astroprof (CSI Collegiate Unit), followed by an exciting Digital Visualization Theater presentation of the latest breakthroughs in our quest to understand the Cosmos.



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