



# PHYSICS COLLOQUIUM

## H. H. Barschall Lecture

### Recent Developments in Neutron Radiography



### Hans Otto Meyer

Indiana University

Host: Haeberli

**Abstract:** Neutron radiography is a method to reveal the internal structure of objects without destroying them. The same can be done with X-rays, but the two types of penetrating radiation have different properties and are thus complementary. I will explain what is required in order to generate a neutron radiograph, and I will show examples of current applications of this technique in science and industry. I will also try to illustrate how recent progress in neutron source and detector technology has enhanced the capabilities of neutron radiography.

2241 Chamberlin Hall • Friday, April 18, 2008 • 4:00 P.M.