

Santa Fe Science Café for Young Thinkers

“Radiography: How to Look Inside Explosions, Detect Nuclear Contraband and See Through Opaque Objects”

Chris Morris

Los Alamos National Laboratory

Wednesday, September 15, 2010, 6:00-7:30 PM

**Georgia O’Keeffe Museum Education Annex
123 Grant Avenue, Santa Fe**

The ability to see inside objects advances science and medicine, and even provides a better understanding of the forces unleashed by high explosives during detonation. We’ll discuss the history and science of radiography and learn how x-rays, protons, and naturally-occurring cosmic rays can be used to see through opaque objects. From providing surgeons with pictures of what’s inside a human body to helping border agents find possible nuclear contraband inside freight containers, a wide range of applications will be discussed.

Admission is Free. Youth (ages 13-19) seating a priority. Light refreshments will be served.

Chris will also appear at 8:30 AM the same day on the **Santa Fe Radio Café** (KSFR 101.1 FM) with host Mary Charlotte at www.ksfr.org.

Chris’s interest in science began as a youngster growing up in Ohio. A large chemistry set provided by his father, and a large supply of chemicals left in an abandoned high school chemistry lab, fed his interest in explosions. After obtaining his PhD from the University of Virginia, Chris came to LANL in 1973 and immediately fell in love with the landscape of New Mexico. He feels privileged to have spent his entire career here.

The Café is sponsored by the Santa Fe Alliance for Science, the Santa Fe Public Schools, the Georgia O’Keeffe Museum, the Santa Fe Institute, and the New Mexico Public Education Department.

Please call 603-7468 if you’d like more information.