



California State University, Sacramento
Department of Physics & Astronomy Fall 2005

Physics Colloquium Series

“Extreme Neutrinos: Using a Cube of 50,000-year-old South Pole Ice to Peer Into Space”

Deep in the ice at the South Pole, the world's largest telescope looks far out into space and back in time. We use a cubic kilometer of glacial ice to search for nearly undetectable cosmic particles, neutrinos, created in the most violent explosions in the Universe and with energies that are impossible to attain on Earth. I will talk about what we hope to learn, how we go about detecting neutrinos, and show plenty of pictures of what it is like to live and work under the extreme conditions at one of the planet's most remote and forbidding places.

Kurt Woschnagg

UC Berkeley, Physics

Thursday, Oct 20, 2005

4:00-5:20 PM MND 1015

OPEN & FREE TO ALL STUDENTS & FACULTY