Project 2501 16:00 01:00 Day: 5 Track: Science en

Chef: 2433 Lindworm: 5463 Emergency: 112 Security: 110 Heaven: 1023 Speakers Desk: 1020 Info Desk: 1111

Translation: 8011

Title: Detecting echoes from the dawn of time

Subtitle: Nifty technologies behind the world's most sensitive astronomical detectors

Speaker: Liz

Short: Our understanding of the universe has exploded in the past 50 years, largely thanks to incredible advances in detector technology that allow us to precisely measure light and particles of all kinds. In this talk, I will describe

some of the world's most sensitive detector technologies. These detectors often exploit strange properties of matter, or push up against the laws of physics in the most extreme physical conditions. I will also highlight

the scientific discoveries that these new technologies have made possible.