“Neutrino Astronomy at the South Pole”

“Wisconsin Science Festival”

Milwaukee Public Museum
Dome Theater
Thursday, November 2nd, 2017
6:30 PM - 8:30 PM 800 W. Wells St. Milwaukee, WI 53233
$10 for Non-Members, $5 for Milwaukee Public Museum Members

Justin Vandenbroucke
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Vandenbroucke uses innovative instruments around the world to detect high energy particles from the cosmos. Understanding the smallest particles in the universe is necessary to understand the largest objects in the universe, and vice versa.

Vandenbroucke received his Ph.D. in physics at UC Berkeley in 2009. He was a Kavli Fellow at SLAC National Accelerator Laboratory and a NASA Einstein Fellow at Stanford University before joining the UW faculty in 2013.

The IceCube Neutrino Observatory is a telescope at the South Pole that uses one billion tons of ice as a detector. Instead of detecting light, this telescope records subatomic particles called neutrinos. IceCube is a key part of the new field of multi-messenger astronomy, which uses neutrinos and gravitational waves, in addition to light, to study the Universe.