

Dr. Howard S. Matis is a consultant and affiliate staff physicist in the Department of Energy's Lawrence Berkeley National Laboratory (Berkeley Lab) in San Francisco. A Berkeley Lab physicist since 1983, Dr. Matis led the [Berkeley Lab Cosmic Ray Telescope Project](#), which provides instructions on how to build a simple, cost-effective particle detector. Dr. Matis has worked on particle detectors for experiments at CERN's Large Hadron Collider, BNL's RHIC collider, and at the South Pole, among others. Since 2012, Dr. Matis has served as president of the [CPEP](#), an international nonprofit organization of educators and physicists that produces materials to explain physics concepts. He was honored by the APS with the 2017 Excellence in Physics Education Award.



Prior to joining Berkeley Lab, Dr. Matis was a staff member with the Los Alamos National Laboratory from 1978-1983. He was also a research associate with University of Chicago from 1976 – 1978.

In 2016 Dr. Matis was named a Fellow of the American Association for the Advancement of Science (AAAS). He was recognized for his “leadership roles in advancing physics knowledge through the APS (American Physical Society) and CPEP (Contemporary Physics Education Project), and for his development of a cosmic-ray detector used by schools nationwide.”

Dr. Matis received his Ph.D. in Physics from the University of Chicago.