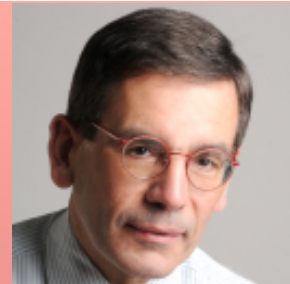




American Nuclear Society Northern California Section

Dinner Meeting Announcement



*A Physicist Walks on the Dark Side:
The Search for the Missing Mass of the Universe*

Thursday, April 24, 2014

Karl van Bibber, PhD

Department Chair, UC Berkeley Nuclear Engineering Department

The past decades have seen revolutionary advances in cosmology, with discoveries coming fast and furious in recent years. While significant pieces of the puzzle remain outstanding, the general outlines of the composition and origin of our universe are fairly clear. Most significantly, it is now known that ordinary matter only make up 4% of the energy density of our Universe, with the remainder being one-third dark matter, and two-thirds being in the form of an even more mysterious dark energy. This talk will provide a whirl-wind tour through the major developments in cosmology of the past century, and focus on the hunt for what constitutes the dark matter of our universe. Berkeley Nuclear Engineering is involved in one of the key searches for the dark matter, a hypothetical elementary particle called the axion.

ANS members and non-members welcome.

To make reservations visit:

<http://local.ans.org/norcal/meetings>

or contact:

Tim Lloyd,

ANS NORCAL Program Committee Chair

Email: lloyd1tm@westinghouse.com

Dinner: 6:30 p.m.

Program: 7:30 p.m.

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