

For your calendar

November 1, 2013



Big bang survival topic of the next Frontiers in Science talk In early November, Vincenzo Cirigliano, of the Lab's Nuclear and Particle Physics, Astrophysics and Cosmology group, will begin a series of one-hour talks on *Matter versus Antimatter: How did we survive the Big Bang?*

In this presentation, he will explore the earliest moments of our universe and how subatomic physics experiments might explain why matter and antimatter didn't completely annihilate each other and result in an empty universe rather than what we observe today. Join him for an evening designed to make you look at the night sky a little differently, through the micro-cosmos of subatomic particles.

All the talks are scheduled for 7 p.m. and are free and open to the public.

- Wednesday, November 6: Albuquerque, New Mexico Museum of Natural History and Science, 1801 Mountain Road, N.W.
- Friday, November 8: James A. Little Theater, New Mexico School for the Deaf, 1060 Cerrillos Road

- Friday, November 15: Taos Convention Center, 120 Civic Plaza Drive, the El Taoseno Room

For more information, go to the [Frontiers in Science webpage](#).

Elements, molecules and the life of a star topic of brown bag November 20
The human body, the solar system and the whole universe itself are all made up of elements in the periodic table. In his lecture, *Elements, molecules and the life of a star*, Paolo Pilleri, with the Lab's Space and Remote Sensing Group, will present the basics of how the first elements formed during the first minutes of our universe and how its evolution led to the creation of heavier elements. The talk, scheduled for Wednesday, November 20 from noon to 1 p.m. at the Bradbury Science Museum in Los Alamos, will include the evolution of the periodic table in parallel with the life of stars and answer the questions: What processes lead to a star's formation or death and how do astrophysicists explore our universe?

The talk is free, open to the public and you can even bring your lunch.

For more information, and directions, visit the [museum's webpages](#).

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