Astroparticle physics is a new and very exciting area of physics and astronomy. There is growing DOE, NSF, and NASA support. This subject links early universe physics, elementary particle physics, proton decay, galaxy formation, super nova explosions, dark matter, UHE neutrinos, etc. Much of this science is carried out in deep underground laboratories. Until recently, these labs were all outside of the U.S.A. Now, the NSF is sponsoring the DUSEL Underground Laboratory in the U.S.A. This will be a major new opportunity for future fundamental science and prospects for DUSEL as well as other underground locations will be discussed in this class. We expect NSF approval of DUSEL.


Student lectures on some of these topics.

There will be pizza served at 12:45 pm each lecture.