



The Virginia Tech Physics Department presents the following colloquium:

**Prof. Baha Balantekin
(Dept. of Physics, Univ. of Wisconsin-Madison)**

“Neutrinos, Core-Collapse Supernova, and Nucleosynthesis”

Abstract:

Even though it will be 75 years this December since Pauli first postulated neutrinos, most of our current knowledge is the product of last decade's experimental activity. In the first part of this talk I will review what we learned from solar, atmospheric, reactor and laboratory neutrino experiments as well as cosmological observations. In the second part I will elucidate the role of neutrinos in supernova nucleosynthesis and discuss the complications due to the neutrino interactions. I will conclude with an outlook for the future.

**Friday, October 13, 2006
210 Robeson Hall
2:30 P.M.
(Refreshments served at 2:15)**

