Monday – September 21, 2015
4:00 PM
Kolker Room (26-414)
(refreshments served at 3:30 PM)

Gamma Rays from the Inner Milky Way: Dark Matter or Point Sources?

Prof. Tracy Slatyer - MIT

Abstract: Studies of data from the Fermi Gamma-Ray Space Telescope have revealed bright gamma-ray emission from the central regions of our galaxy, with a spatial and spectral profile consistent with annihilating dark matter. I will present a new model-independent analysis that suggests that rather than originating from dark matter, the GeV excess may arise from a surprising new population of as-yet-unresolved gamma-ray point sources in the heart of the Milky Way.