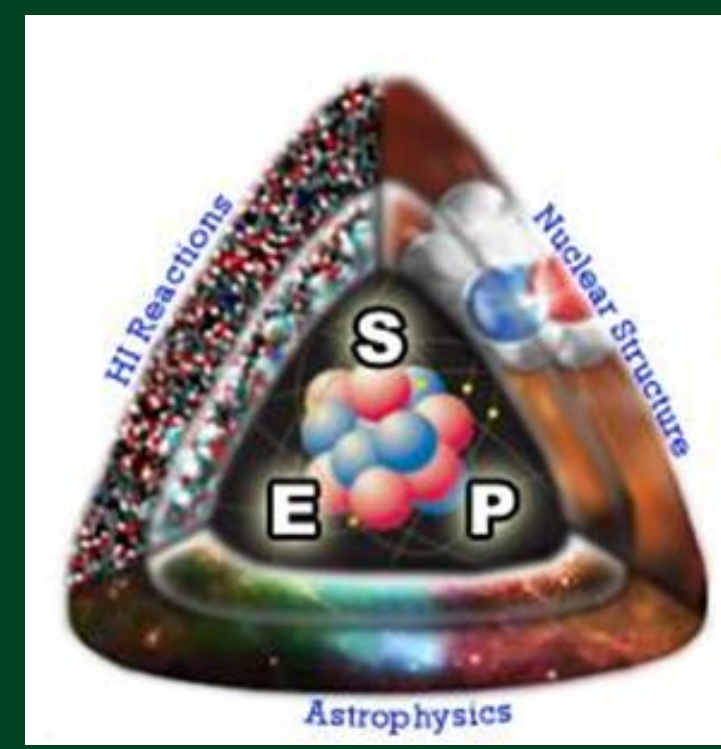
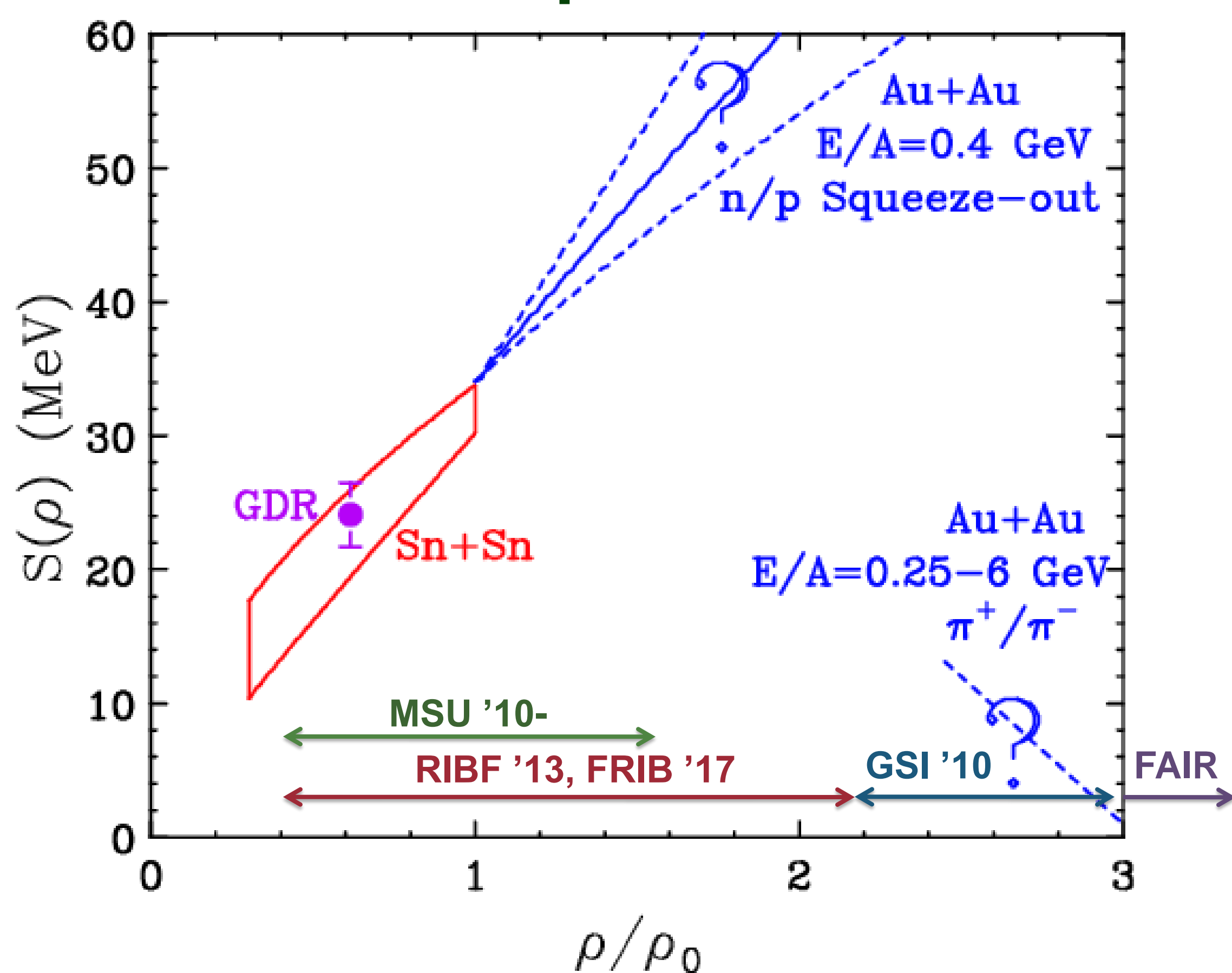


Symmetry Energy Project



- Constrain the symmetry energy in the nuclear equation of state over a range of densities
 - Directly addresses FRIB science benchmark: “nature of neutron stars and dense nuclear matter”
- Conduct a series of experiments at unique facilities in the U.S., Japan, and Germany to explore densities $0.4 \rho_0 < \rho < 3 \rho_0$
- Formed a strong international team of experimental and theoretical scientists to carry out and interpret experiments
- Attract and train early U.S. career scientists, and help them build strong international ties



Status of current constraints on the symmetry energy



Artist's rendition of a neutron star

http://www.dailygalaxy.com/photos/uncategorized/2007/08/21/neutron_star_1_2.jpg



U.S. DEPARTMENT OF ENERGY

Office of Science

MICHIGAN STATE UNIVERSITY

