

Department of Physics Colloquium

Wednesday, January 29th at 4:00 p.m. / SH 121
Pre-Colloquium at 3:30 p.m. / SH 108

Antimatter Technology

Speaker: Dr. James Rejcek

Abstract:

This presentation is an introduction to the engineering and physical challenges to overcome for the utilization of antimatter for scientific and industrial purposes. Antimatter has the potential of producing energy storage densities 200 times nuclear capacities. In addition, a description of containment designs and a status summary of ongoing research on antimatter containment here at UTA will be given. And last, a brief description of applications into Solid State Antimatter Rocket motors will be presented.