

**Tuesday**

**Jan. 10<sup>th</sup>**

**At 3:45pm**



**Nuclear Astrophysics in Korea: Experience with  
RAON (Korean Rare Isotope Accelerator) and  
Related Astrophysical Research**

**Abstract:**

Nuclear astrophysics is an interdisciplinary field of research that includes observational and theoretical astrophysics and experimental and theoretical nuclear physics. It also requires significant efforts from intensive numerical simulations that connect experimental data to astronomical information. By using X-ray bursts as an example case, I will present how these different fields of research work together in nuclear astrophysics. By constructing RAON (Korean Rare Isotope Accelerator), Korea is no jumping more into nuclear astrophysics. RAON will perform experiments closely related to X-ray bursts. I will present the current status of RAON and introduce activities of Korean nuclear astrophysics community.

**CYCLOTRON  
COLLOQUIUM**

**Kyujin Kwak**

**Assistant  
Professor**

**Ulsan National  
Institute of  
Science &  
Technology**

**South Korea**

**CYCLOTRON  
INSTITUTE**

Room 228

Refreshments will be  
served at 3:30pm



**TEXAS A&M  
UNIVERSITY**