

# Lessons for the Nuclear Astrophysics course

**Prof Karl E. Rhm**

Argonne National Laboratory

**Thursday 2 May 2019**

**The  $^{26}\text{Al}$  story: gamma-ray satellites, production of  
isomeric beams and the  $^{26}\text{Al}^m(\text{d},\text{p})$  measurement**

**Friday 3 May 2019**

**Reactions on the surface of neutron stars: X-ray bursts,  
structure of neutron stars, production of n-rich Carbon  
beams, measurement of ( $^{14,15,16}\text{C} + ^{12}\text{C}$ ) fusion reactions  
with an active target detector**

**All lessons start at 8:45 AM  
DFA | Room P2B (Paolotti)**

Giovanna Montagnoli and Antonio Caciolli