

## The r-process nucleosynthesis: connecting FRIB with the cosmos

In the first week of the program we have defined the open questions based on observations and model considerations. In the second week we will discuss the experimental possibilities at FRIB. In the third week, we will turn to astrophysical simulation, to discuss the importance of various measurements for each scenario.

**Week three (June 13-17, 2016):** astrophysical simulations of supernova winds and neutron star mergers, reaction networks, sensitivity studies. Discussion of impact of different experiments and writing the first draft of the white paper on r-process experiments.

Participants:

ARCONES, Almudena  
BAUSWEIN, Andreas  
BROWN, Alex  
COUCH, Sean  
COTE, Benoit  
DILLMANN, Iris  
FOUCART, Francois  
HAMPTON, Christine  
HANSEN, Camilla Juul  
HOROWITZ, Charles  
JUST, Oliver  
LIDDICK, Sean  
LIPPUNER, Jonas  
Loh, Ed  
MARTIN, Dirk  
MCLAUGHLIN, Gail  
MUMPOWER, Matthew  
NAZAREWICZ, Witold  
ROGERS, Andrew  
SCHATZ, Hendrik  
SURMAN, Rebecca  
SADHUKHAN, Jhिलam  
TANG, Xiaodong  
TSANG, David  
TSUJIMOTO, Takuji  
WARREN, MacKenzie