

FRIB and the GW170817 Kilonova
Facility for Rare Isotope Beams (FRIB), 1221B Conference Room
16-20 July 2018
AGENDA

Monday, 16 July 2018

09:00 am *Registration and coffee*
10:00 am Welcome and logistics
10:20 am D. Radice, Neutron star merger simulations
11:00 am A. Perego, The multi-component and anisotropic nature of kilonovae
11:40 am *Lunch*
01:00 pm Open work/discussion
03:00 pm *Break*
03:30 pm R. Hix, The TEAMS SciDAC collaboration
04:30 pm *Adjourn*

Tuesday, 17 July 2018

09:30 am T. Beers, The R-Process Alliance – Progress and Preview
10:10 am *Break*
10:30 am R. Ezzeddine, Effects of modeling methods on abundance determination
 uncertainties in r-process stars (LTE vs non-LTE)
11:10 am S. Liddick, Input nuclear data for r-process abundance calculations from β decay
12:00 am *Lunch*
01:00 pm Open work/discussion
03:00 pm *Break*
03:30 pm I. Roederer, Kinematics of highly r-process-enhanced stars
 Group discussion, leader A. Frebel
04:30 pm *Adjourn*

Wednesday, 18 July 2018

09:30 am E. O'Connor, Neutrino Microphysics in Mergers
10:10 am *Break*
10:40 am B. Balantekin, Neutrino Oscillations
11:20 am J. Lippuner, r-Process nucleosynthesis in neutron star mergers and GW170817
12:00 am *Lunch*
01:30 pm FRIB tour (closed-toed shoes and covered legs required)
03:00 pm *Break*
03:30 pm G. Mathews, Constraints on the nuclear EOS and nucleosynthesis from the
 GW170817 kilonova
04:10 pm S. Han, Lower bound on the tidal deformability of neutron stars
06:00 pm *Group social dinner, Sultan's Mediterranean*

Thursday, 19 July 2018

09:00 am N. Vassh, Lanthanide production in r-process nucleosynthesis
09:40 am N. Schunck, Theories of nuclear fission
10:20 am *Break*
10:40 am S. Giuliani, The role of fission in r-process nucleosynthesis
11:20 am W. Nazarewicz, Bayesian approach to model-based extrapolation of nuclear observables
12:00 am *Lunch*
01:00 pm Open work/discussion
03:00 pm *Break*
03:30 pm Group discussion/writing
04:30 pm *Adjourn*

Friday, 20 July 2018

09:00 am R. Grzywacz, Beta-delayed neutron emission: one or two?
09:40 am J. Lawler, Abundances of r-process elements in stars
10:20 am *Break*
10:40 am TBD
12:00 am *Lunch*
01:00 pm Work on contributions to the deliverable
03:00 pm *Break*
03:30 pm Open work/discussion
04:30 pm *Adjourn*