FRIB and the GW170817 Kilonova Facility for Rare Isotope Beams (FRIB), 1221B Conference Room 23-27 July 2018 AGENDA

Monday, 23 July 2018

09:00 am	Registration and coffee
10:00 am	Welcome and logistics
10:20 am	J. Barnes, Kilonova signatures and the r-process
11:00 am	M. Eichler, Theoretical r-process sites and their signatures
11:40 am	Lunch
01:00 pm	Open work/discussion
03:00 pm	Break
03:30 pm	D. Siegel, GW170817: Implications for the astrophysical site of the r-process
04:10 pm	L. Roberts, Nucleosynthesis and electromagnetic transients from binary neutron
	star mergers
04:50 pm	Adjourn

Tuesday, 24 July 2018

09:00 am	C. Horowitz, Neutrino interactions in SN and nucleosynthesis
09:40 am	S. Richers, Accurate neutrino transport in supernova and neutron star merger simulations
10:20 am	Break
10:40 am	A. Arcones, The r-process in supernovae and neutron star mergers
11:20 am	S. Couch, Core-collapse supernovae as the initial conditions of neutron star mergers
12:00 pm	Lunch
01:00 pm	Open work/discussion
03:00 pm	Break
03:30 pm	F. Montes, Experimental charged-particle (a,n) reaction studies relevant for the weak r-process
04:10 pm	G. Perdikakis, Neutron-induced reaction rates away from stability for astrophysics applications
04:50 pm	Adjourn

Wednesday, 25 July 2018

09:00 am	O. Korobkin, Multiple facets of modeling GW170817 kilonova
09:40 am	B. O'Shea, Predictive chemical evolution in the era of large surveys: challenges
	and opportunities
10:20 am	Break
10:40 am	B. Coté, Modeling the chemical evolution of <i>r</i> -process elements
11:20 am	M. Mumpower, Nuclear fission properties for neutron star mergers
12:00 pm	Lunch

01:30 pm FRIB tour (closed-toed shoes and covered legs required)

- 03:00 pm Break
- 03:30 pm Group discussion
- 04:30 pm Adjourn
- 06:00 pm Group social dinner

Thursday, 26 July 2018

09:00 am 09:40 am	J. Cizewski, Surrogate neutron capture reaction prospects for r-process nuclei A. Spyrou, Neutron capture reaction constraints for r-process
10:20 am	Break
10:40 am	A. Kankainen, Experiments for the r process at IGISOL
11:20 am	J. Clark, Examining r-process nucleosynthesis in neutron star mergers through mass measurements with the CPT
12:00 pm	Lunch
01:00 pm	Open work/discussion
03:00 pm	Break
03:30 pm	S. Naimi, The Rare-RI Ring ready to conquer terra incognita: mass measurement of r-process nuclei at RIKEN
04:10 pm	A. Kwiatkowski, Approaching the r-process path with precision mass spectrometry at TITAN
04:50 pm	Adjourn

Friday, 27 July 2018

09:00 am	M. Brodeur, Future developments for high precision mass spectrometry to study the r-process
09:40 am	J. Engel, Beta decay for the r process
10:20 am	Break
10:40 am	E. Litvinova, Spectra from thermal relativistic nuclear field theory
11:20 am	C. Robin, Nuclear transitions for r-process studies in relativistic nuclear field
	theory
12:00 pm	Lunch
01:00 pm	Work on contributions to the deliverable
03:00 pm	Break
03:30 pm	Open work/discussion
04:30 pm	Adjourn