

GRETINA Experiments Accepted and Run at the NSCL during the Second GRETINA Campaign. This grant covers operations in the second half of this campaign.

Experiment Number	PI	Institution	Title	Hours Approved
15040	Dirk Weisshaar	NSCL/LBL	Commissioning of GRETINA+S800	74
15112	Remco Zegers	NSCL	Beta+ Gamow-Teller strengths from ^{88}Sr and ^{93}Nb	199
15085	Marina Petri	Darmstadt	Electromagnetic transition rates in ^{21}O	129
15151	Phil Woods	Glasgow	Angle integrated measurement of the $^{56}\text{Ni}(d,n)^{57}\text{Cu}$ transfer reaction using GRETINA and the S800 spectrometer	93
15028	Michael Bowry	NSCL	Constraining (p,gamma) resonance energies in ^{62}Ge via 2 neutron knockout	173
15127	Robert V.F. Janssens	ANL	Delineation of the deformed prolate minimum in ^{70}Ni	115
15133	Alexandra Gade	NSCL	High- l single-particle strengths at $N=27$	125
15031	Nobuyuki Kobayashi	NSCL	Lifetime measurements in neutron-rich odd-mass S isotopes	129
15020	Daniel Bazin	NSCL	Shell evolution along $1g_{9/2}$	181
15226	Fernando Montes	NSCL	Constraining the important x-ray burst $^{23}\text{Al}(p,g)^{24}\text{Si}$ stellar reaction rate	163
16006	Chris Sullivan	NSCL	Constraining electron-capture rates in core-collapse supernovae: Measurement of Gamow-Teller strengths via the $^{86}\text{Kr}(t,^3\text{He}+\gamma)$ reaction at 115 MeV/u	145
16022	Augusto Macchiavelli	LBL	Core Excitations in the Ground State of Neutron-Rich Fluorine Isotopes	185
16019	Heather Crawford	LBL	One-Nucleon Transfer Reactions to Shed Light on the Calcium Puzzle	229
16016	Robert Wadsworth	York	Spectroscopy at and around the mid-shell $N=Z$ nucleus ^{80}Zr	177
16009	Alexandra Gade	NSCL/FSU	The structure of ^{42}Si	237
16011	Hiro Iwasaki	NSCL	Lifetime measurements in island of inversion	162
16004	Dirk Weisshaar	NSCL URSINUS	Measuring the absolute gamma-ray efficiency of GRETINA at 6MeV	45

Equipment Constructed: A liquid nitrogen filling system for use of GRETINA at NSCL was constructed.