

Friday, August 22, 2014 – Nuclear Structure and Reactions Working Group (as of 3 pm, Aug 21)

start	Speaker	Title
8:30	Bazin	Overview – Opportunities with direct reactions
8:50	Dickhoff	Experiments to probe correlations in exotic nuclei
8:55	Pain	Particle-gamma measurements with GODDESS
9:00	Kay	Transfer reactions studies with exotic nuclei
9:05	Smith	Proton-transfer reactions around 5 MeV/nucleon with VANDLE
9:10	Cizewski	Validating a surrogate for neutron capture with radioactive ion beams
9:15	Cerizza	Knockout reaction in the ^{100}Sn region
9:20	Campbell	Inelastic scattering in the rare ion beam future
9:25	Zegers	Studies of spin-isospin excitations with rare isotope beams
9:30	Rogachev	Future plans for nuclear structure and reactions and needs at TAMU
9:35	Markowitz	The Quasi-elastic (e,e'p) Program at JLab with 12 GeV Beams
9:40	Fomin	Clusters and correlations: future (e,e') measurements
9:45	Ahn	Current and future possibilities for experiments with the Prototype AT-TPC
9:50	Wu	Isomeric beams at CARIBU
9:55	Sarazin	Study of light nuclei using transfer reactions
10:00	Baumann	Opportunities to discover new isotopes
10:05	Casten	New opportunities in the study of structural symmetries and symmetry remnants in medium mass and heavy nuclei
10:10	Weiss	Nuclear structure with an Electron Ion Collider
10:15	Break	
10:35	Clark	Overview – Opportunities with in-beam spectroscopy
10:55	Crawford	Spectroscopy with fast beams
11:00	Carpenter	Unsafe Coulex to probe medium to high spin states in neutron rich nuclei
11:05	Iwasaki	Opportunities with excited-state lifetime measurements
11:10	Stephenson	Nuclear Structure and Reactions with MoNA-LISA
11:15	Thoennessen	Multi-neutron emission at the neutron-dripline
11:20	Tang	High precision spectroscopy of Lambda hypernuclei at JLab
11:25	Riley	Exotic Behavior at the Limits of Angular Momentum
11:30	Reviol	Study of ^{218}U : proton shell closure above lead
11:35	Allmond	Simultaneous measurement of $g(2+)$ and $Q(2+)$ with reaccelerated beams
11:40	de Souza	Near and sub-barrier fusion as a probe of nuclear structure
11:45	Wuenschel	Investigation of deep inelastic, multi-nucleon transfer reactions for the creation of super- and hyper-heavy elements
11:50	Grimes	Study of inputs for statistical model
11:55	Voinov	γ - strength function in statistical nuclear physics
12:00	End	

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13:00	Rykaczewski	Overview – Opportunities with decay spectroscopy
13:20	Liddick	Decay spectroscopy of neutron-rich nuclei
13:25	Kolas	Beta-delayed neutron studies with VANDLE
13:30	Rogers	Accurately charting the proton drip line
13:35	Minamisono	Ground state nuclear electromagnetic moments and charge radii by laser spectroscopy techniques
13:40	Mueller	Laser spectroscopy: light nuclei and neutron-rich fission isotopes
13:45	Brodeur	High-precision mass measurements for nuclear structure
13:50	Riordan	PREX and CREX - Measurements of the Neutron Skins of ^{208}Pb and ^{48}Ca through Parity Violating Electron Scattering
13:55	Nazarewicz	Heavy and superheavy nuclei: implications for theory
14:00	Mosby	Nuclear structure inputs to the fission process
14:05	Kohley	Heavy-ion fusion reactions induced with radioactive ion beams
14:10	Loveland	Making neutron-rich heavy nuclei
14:15	Gates	SHE spectroscopy
14:20	Folden	Online Chemistry of Superheavy Elements
14:25	Seweryniak	Spectroscopy of Transfermium Nuclei
14:30	Chowdhury	Spectroscopy of the Heaviest Nuclei
14:35	End	