



The NIC-IX Program – Poster session 21

Thursday, June 29, 10:30-11:30

- 21.01 New features in the computational infrastructure for nuclear astrophysics
SMITH, Michael S.
- 21.02 Monte Carlo simulations of Type I X-ray burst nucleosynthesis
ROBERTS, Luke F.
- 21.03 High precision measurements along the rp-process path
GALAVIZ, Daniel
- 21.04 On the contribution of classical novae to the ^{26}Al content of the Galaxy
HERNANZ, Margarita
- 21.05 Neutrino-induced fission on nuclei near the r-process paths
BORZOV, Ivan
- 21.06 Study of the $^{10}\text{B}(p,\alpha)^7\text{Be}$ reaction through the Trojan Horse Method
GIMENEZ DEL SANTO, Marcelo; GAMEIRO MUNHOZ, Marcelo
- 21.07 Neutrino-nucleus cross sections and their role in supernovae
BLACKMON, Jeff
- 21.08 Determination of the astrophysical S-factor for the $^{12}\text{N}(p,\gamma)^{13}\text{O}$ reaction from the proton transfer reaction $^{14}\text{N}(^{12}\text{N},^{13}\text{O})^{13}\text{C}$
BANU, Adriana
- 21.09 Lifetime of the 4.03 MeV state in ^{19}Ne and the $^{15}\text{O}(\alpha,\gamma)^{19}\text{Ne}$ reaction rate
KANUNGO, Rituparna
- 21.10 Microdynamical effects on momentum distribution in stellar plasmas
FERRO, Fabrizio; QUARATI, Piero
- 21.11 Quantum mechanical ab-initio simulation of the electron screening effect in metal deuteride crystals
HUKE, Armin
- 21.12 About possible explanations to the lines of radioactive elements in the spectrum of Przybylski's star
YUSHCHENKO, Alexander; GOPKA, Vera; GORIELY, Stephane
- 21.13 Heaviest s-process elements in the atmospheres of barium stars
GOPKA, Vera F.; YUSHCHENKO, Alexander V.; LAMBERT, David L.; DRAKE, Natalya A.

- 21.14 Evidence of Na enhancement in Hyades giants from high-resolution spectroscopy
SCHULER, Simon
- 21.15 Multi-channel R-matrix analysis of CNO cycle reactions
SIMPSON, Edward
- 21.16 Efficient approximations of neutrino physics for three-dimensional simulations of stellar core collapse
LIEBENDÖRFER, Matthias
- 21.17 Abundances of heavy metals and lead isotopic ratios in subluminescent B stars
HEBER, Ulrich
- 21.18 Direct measurement of stellar neutron capture rates of ^{14}C and comparison with the Coulomb breakup method
REIFARTH, Rene
- 21.19 The roles of nuclear physics during stellar core collapse
HIX, W. Raphael
- 21.20 Neutrinos, fission cycling and the r-process
MCLAUGHLIN, Gail
- 21.21 Nucleosynthesis in early proton-rich supernova winds
PRUET, Jason; HOFFMAN, Robert; WOOSLEY, Stan; JANKA, Hans-Thomas
- 21.22 Compound-nuclear reaction cross sections via surrogate measurements
ESCHER, Jutta
- 21.23 Experimental nuclear astrophysics with recoil mass separators
GIALANELLA, Lucio
- 21.24 A high resolution spectroscopic study of seven metal-deficient stars
TANNER, John
- 21.25 Laminar flame acceleration by neon enrichment in white dwarf supernovae
CHAMULAK, David
- 21.26 Closing the cold CNO cycle: A new measurement of $^{19}\text{F}(p,\gamma)$
COUTURE, Aaron
- 21.27 Precision mass measurements of neutron-rich nuclei from Ge to Pd and their r-process implications
JOKINEN, Ari
- 21.28 Measurement of transfer reactions on neutron-rich fission fragments in inverse kinematics
PAIN, Steven
- 21.29 r-process experimental campaign at the National Superconducting Cyclotron Laboratory (NSCL/MSU)
PEREIRA, Jorge

- 21.31 Experimental nuclear level densities and interpretation within the microcanonical ensemble
GUTTORMSEN, Magne
- 21.32 Determination of low ${}^7\text{Be}$ activity as a tool to measure the ${}^3\text{He}(\alpha,\gamma){}^7\text{Be}$ cross section
GYÜRKY, György
- 21.33 CARINA: a European network for nuclear astrophysics
ANGULO, Carmen
- 21.34 Nucleosynthesis in super AGB stars
DOHERTY, Carolyn
- 22.11 Nuclear reaction and structure databases of the National Nuclear Data Centre
PRITYCHENKO, Boris