



## First Circular

This is the first announcement of the 13th international symposium on Origin of Matter and Evolution of Galaxies (OMEG2015) which will be held in Beijing, China on June 24-27, 2015. As you may know, the symposium will be the 13th in a series being held almost every other year since 1988 to discuss the subjects of nuclear astrophysics and related fields. Please visit the website for further information:

<http://esic.ciae.ac.cn/omeg2015>

### The main topics to be covered are as follows

- Big Bang Cosmology and Primordial Nucleosynthesis
- First Generation Stars and Galactic Chemical Evolution
- Astronomical Observations with Light, X-Ray, Gamma-Ray, and Cosmic-Ray
- Stellar Evolutions and Hydrostatic Burning Processes
- Experimental Nuclear Physics for Astrophysics
- Theoretical Nuclear Physics for Astrophysics
- Explosive Stellar Objects and Nuclear Physics
- Meteorite Analysis and Isotopic Abundance
- Neutron Star and High Density Matter
- Nuclear Data for Astrophysics and Related Topics
- Nuclear Physics in r-process
- Exotic nuclear matter in neutron stars
- Underground nuclear astrophysics

### Important Dates:

- November 1, 2014: Second circular
- November 15, 2014: Start of registration
- December 1, 2014: Abstract submission open
- March 31, 2015: Abstract submission closed
- April 30, 2015: Conference program announced
- June 24-27, 2015: OMEG13 Symposium

## Invited speakers

- A. Heger, Nucleosynthesis in the first stars, Monash U.
- T. Kajino, Explosive nucleosynthesis: A probe of cosmic and supernova neutrinos, Tokyo U.
- S. Kubono, Explosive pp-Chain Breakout Problems in Nuclear Astrophysics, RIKEN
- M. Lugaro, The s process in AGB stars and implications: from globular clusters to the birth of the sun, Monash U.
- P. Prati, LUNA progress, Genova U.
- Y. Z. Qian, The r-process: status and challenges, SJTU
- E. Rehm, TBA, ANL
- M. Smith, Experimental and theoretical studies of r-process burning of exotic Tin isotopes, ORNL
- F.-K. Thielemann, Making the heaviest elements in Nature, Basel U.
- R. Tribble, TBA, TAMU
- Y. L. Ye, Clustering in light unstable nuclei, PKU
- Y. H. Zhang, Mass measurement at CSR of astrophysical interest, IMP
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## Proceedings

The conference proceedings will be published in electronic form with EPJ Web of Conferences ([www.epj-conferences.org](http://www.epj-conferences.org)), an open access journal from the series The European Physical Journal ([www.epj.org](http://www.epj.org)). Each contributed article will be fully citable thanks to DOI (Digital Object Identifier), and will be indexed in main databases. There will be no printed version of the proceedings. Further information on the manuscript preparation will be provided in the second circular.

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