

Summer School on Cosmology

5-11 August 2013
Petnica Science Center, Valjevo, Serbia

The school aims to provide intensive and thorough course on modern cosmology and related disciplines, along with hands-on exercises, discussions and independent work. It is intended for senior undergraduate and early graduate students coming mainly from Balkans region.

TOPICS

- Introduction to Cosmology
- General Relativity
- Inflation
- Particle Physics and the Early Universe
- CMB
- Dark Matter
- Large Scale Structure
- Galaxy Formation and Evolution
- Cosmological and Galactic N-body Simulations
- Observational Cosmology
- History and Philosophy of Cosmology

HOW TO APPLY FOR PARTICIPATION

For the application, please send your short CV and a motivation letter (up to 500 words) to: cosmology@petnica.rs before **June 15th, 2013**. One letter of recommendation should be also sent to this address directly by a referee.

The school has funds to sponsor participation of a limited number of students. Please indicate in the email if you would like to be considered for the support.

More information at the activity website <http://pcs.ast.petnica.rs>

LECTURERS

- Milan Bogosavljević (AOB, Belgrade)
- Milan Ćirković (AOB, Belgrade, TBC)
- Silvia Galli (APC, Paris, TBC)
- Moustafa Gharamti (University of Edinburgh, TBC)
- Nemanja Martinović (AOB, Belgrade)
- David Marzocca (SISSA, Trieste)
- Miroslav Mičić (AOB, Belgrade)
- Aseem Paranjape (ETH, Zürich)
- Marko Simonović (SISSA, Trieste)
- Gabriele Trevisan (SISSA, Trieste)
- Gabriјela Zahariјas (ICTP, Trieste)

ORGANIZERS

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