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# BALKAN WORKSHOP 2013

## Beyond the Standard Models

25 – 29 April, 2013, Vrnjačka Banja, Serbia

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### FIRST ANNOUNCEMENT

#### GENERAL INFORMATION

Faculty of Science and Mathematics, University of Niš, Serbia, in cooperation with CERN Theory Division and LMU/MPI Munich, is organizing the **Balkan Workshop BW2013**.

The purpose of the Workshop is twofold. The scientific part of the workshop will include recent developments in “Beyond the Standard Model(s)” of particle physics and cosmology. The educational and organizational part will include the discussion which should lead us to “Beyond the Standard Model” in regional and inter-regional cooperation in Science and Education.

**The first two days** (April 26<sup>th</sup> and 27<sup>th</sup>) would be mainly devoted to the scientific problems and new trends in (Astro)Particle Physics and Cosmology. This will be an excellent opportunity to gather leading experts in physics, as well as young researchers and advanced students from South-East, Central and Eastern Europe, EU, USA and all over the world, to discuss open problems and perspectives in the main scientific areas of the Workshop.

**The third day** (April 28<sup>th</sup>) will contain a series of round tables with a few invited lecturers and moderators from CEI, UNESCO, European Physical Society (EPS), Balkan Physical Union (BPU), Serbian Physical Society (SPS), CERN, ICTP and others. The round tables discussion will be focused on actions promoting and strengthening research, education and capacity-building in physics in natural sciences with a focus on South Eastern Europe, in a European and worldwide framework.

The BW2013 (with the Physical Society Niš as the local co-organizer) will be the main event in the SEENET-MTP Network ([www.seenet-mtp.info](http://www.seenet-mtp.info)) program in 2013, along with the celebration marking ten years of the SEENET-MTP Network. BW2013 will be held in Vrnjačka Banja ([www.vrnjackabanja.co.rs](http://www.vrnjackabanja.co.rs)), located in the western part of Serbia. More details about venue and will be given in the second announcement and on the web page of the event.

#### SCIENTIFIC COMMITTEE

L. Alvarez-Gaume (CERN), N. Bilic (Zagreb), G. Djordjevic (Nis), P. Creminelli (ICTP), G. Senjanovic (ICTP) TBC, G. Martinelli (SISSA), M. Haack (Munich), D. Stojkovic (Buffalo)

#### LOCAL ORGANIZING COMMITTEE

G. Djordjevic (Chairman), Lj. Nestic (Co-Chairman),  
D. Delibasic, D. Dimitrijevic, N. Filipovic, M. Milosevic, M. Simonovic, J. Stankovic

#### TOPICS

BW2013 program is mainly oriented towards the recent developments in:

- Cosmology, Dark Matter and Dark Energy, Inflation and Astroparticle Physics
- LHC – Particle Physics Theory and Phenomenology
- String Theory, Planck Scale Physics – Theoretical and Mathematical Concepts.

## **PRESENTATION AND PUBLICATIONS**

The time allowed for the invited talks is expected to be 30 minutes. There should be a possibility for several short presentations and one poster session.

The organizers will prepare and publish the Book of Extended Abstracts of the Workshop – Short Communications, before the event. Extended abstracts, up to two pages typed in LaTeX, including up to 5 references, should be sent by filling the form at the website of the conference or by e-mail (bw2013@seenet-mtp.info) not later than March 1<sup>st</sup>, 2013. The selected papers from the Workshop will be published after the meeting elsewhere. Further details will be given later in the 2<sup>nd</sup> Announcement.

## **PARTICIPANTS**

Beside invited lecturers and active researchers, the organizers would like to encourage and support the active participation of young researchers and advanced students from Balkan and Central European countries and neighboring regions. The organizers will cover local expenses for a number of invited lecturers. Living expenses and part of the travel expenses will be covered for a limited number of students and young researchers. The whole support will be offered in accordance with the sponsor's rules.

## **SOCIAL EVENTS**

Several social events are planned: Welcome party on 25<sup>th</sup> – day for arrival, and Workshop dinner on 27<sup>th</sup> of April, The organized bus trip to some important natural and historical sites nearby Vrnjačka Banja is also planned.

## **REGISTRATION & REGISTRATION FEE**

The Registration form can be found at <http://bw2013.seenet-mtp.info/registration>. The deadline for early registration and application for some financial support is March 1<sup>st</sup>, 2013. The **registration fee** for the Workshop participants is 120 EURO (60 EURO for students, and accompanying persons), for payments made till March 1<sup>st</sup>, 2013, otherwise 150 EURO (75 EURO for students, and accompanying persons) SEENET-MTP MEMBERS (<http://www.seenet-mtp.info/members/>) will have a special 20% discount. Detailed instructions at the Workshop web page.

## **TRAVEL INFORMATION**

Vrnjačka Banja can be reached from Belgrade by

- highway (E-75) Belgrade-Nis, exit at Batocina (115 km), and then by regional road via Kragujevac and Kraljevo to Vrnjacka Banja (90 km);
- bus: from Belgrade Bus Station (10-15 departures/day) and Nis Bus Station (5-7 departures/day)

Google Maps Directions: <http://goo.gl/maps/h7xGb>. More information at the Workshop's web page.

## **ACCOMMODATION**

The accommodation will be published immediately after completion of official procedure of selection of hotel by the main organizer - Faculty of Science and Mathematics.

## **SPONSORS:**

- Central European Initiative (CEI), Trieste
- The Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste
- Faculty of Science and Mathematics, University of Niš, Serbia
- Ministry of Education, Science and Technological Development, Belgrade, Serbia, TBC

## **Contact:**

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