

# 8<sup>th</sup> International Balkan School on Nuclear Physics

July 3<sup>rd</sup> – 12<sup>th</sup>, 2012

Blagoevgrad, Bulgaria

Under the auspices of: The Union of the Physicists in Bulgaria  
CERN – European Organization for Nuclear Research  
South-Western University “Neofit Rilski”

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## FIRST CIRCULAR

### *Introduction*

The 8<sup>th</sup> International Balkan School will take place on July 3<sup>rd</sup> – 12<sup>th</sup>, 2012 at the foothills of the Rila mountains, at the Bachinovo Conference Center of the South-Western University “Neofit Rilski”, Blagoevgrad, Bulgaria.

The International Balkan School on Nuclear Physics is organized biannually in even years since 1998. It is hosted in turn by different Balkan countries. Previous schools took place in Istanbul, Turkey (1998), Bodrum, Turkey (2000), Thessaloniki, Greece (2002), Bodrum, Turkey (2004), Brasov, Romania (2006), Troyan, Bulgaria (2008) and Adrasan, Turkey (2010).

The 8<sup>th</sup> Balkan School is organized by the Union of the Physicists in Bulgaria, jointly with CERN and the South-Western University “Neofit Rilski”. A large fraction of its programme is intended to focus on modern aspects of nuclear physics which are investigated at CERN, e.g. nuclear structure and astrophysics studies done at ISOLDE, neutron physics research related to n-TOF, and phase transitions in nuclear matter related to ALICE and structure of hadrons at COMPASS. The goal of the school is to provide the attendees with a much broader view on cutting-edge research in nuclear physics, and, therefore, the programme covers also other topics.

The school aims at bringing together Ph.D. students and young researchers with prominent senior scientists in the field who lecture on some of the hottest topics of contemporary nuclear physics research. The Balkan school targets students and young researchers from south-eastern Europe, but it is open for attendees from all over the world.

### *Calendar and Details*

School schedule	Tue 3.7.12	Wed – Fri 4 – 6.7.12	Sat 7.7.12	Sun 8.7.12	Mon – Wed 9 – 11.7.12	Thu 12.7.12
morning	arrival day	lectures	lectures	free day excursion	lectures	departure day
afternoon		lectures	free time		lectures	
evening	welcome party	seminars posters		school dinner	seminars posters	

Mark in your calendar the period **July 3-12<sup>th</sup>, 2012**, when the South-Western University in Blagoevgrad will welcome the students of the 8<sup>th</sup> International Balkan School on Nuclear Physics. The duration of the school is ten days, starting on Tuesday evening with a Welcome Party and finishing Wednesday afternoon next week, with Saturday afternoon and Sunday as free days. Tuesday, July 3<sup>rd</sup>, 2012 is arrival day and Thursday, July 12<sup>th</sup>, 2012 is departure day.

The curriculum of the school consists of about 46 lecture hours (45 minutes), six invited seminars (30 minutes) of young researchers originating from the region and 25-30 students' talks (15 minutes), which makes in total 45 auditorium hours. All participants are accommodated in the same place, which provides plenty of opportunities for informal discussions between lecturers and students. A poster session will be organized, such that all participants at the school can present their research. The best three posters will be selected for oral presentation.

The attendance at the school is expected to be around 120 people. The Bachinovo Conference Centre provides accommodation in single or double rooms. Limited number of rooms is also available in the near-by hotel Park Bachinovo. Accommodation is also possible in the city of Blagoevgrad, which is 3 km away from the conference site. Blagoevgrad, a city of 74,000 people, the home of two universities (the Neofit Rilski South-Western University and the American University in Bulgaria), is located 110 km south of Sofia, and can be reached easily from the Sofia Airport. Details about the school fee, the accommodation and the transportation will appear at the School web site

Limited scholarship funds will be available to support some participants from the Balkan countries.

Updated information and online applications will be available at the school web site: <https://www.phys.uni-sofia.bg/~balkan8/>, which is open for pre-registration.

The deadline for applications and reference letters is April 30<sup>th</sup>, 2012.

The deadline for abstracts from student is May 31<sup>st</sup>, 2012

Notification for oral presentations will be done by June 15<sup>th</sup>, 2012

### ***Course Director***

Ana Georgieva (INRNE, Sofia)

### ***School Directors***

Dimiter Balabanski (INRNE, Sofia)

Dennis Bonatsos (NCSR "Demokritos", Athens)

M. Nizamettin Erduran (Sabahattin Zaim University, Istanbul)

Nicolae Victor Zamfir (IFIN-HH, Bucharest)

### ***Tentative list of lecturers***

Nicolas Alamanos (CEA Saclay)

Ani Aprahamian (University of Notre Dame)

Faisal Azaiez (IPN Orsay)

Maria Borge (SCIC Madrid)  
Angela Bracco (University of Milano)  
Luisa Cifarelli (University of Bologna)\*  
Jerry Draayer (Louisiana State University and SURA)  
Zsolt Fulop (ATOMKI Debrecen)  
Paul-Henri Heenen (Universite Libre, Bruxelles)\*  
Peter Hristov (CERN)  
Kiril Ianakiev (LANL)  
Jan Jolie (University of Cologne)  
Filip Kondev (ANL)  
Magda Kowalska (CERN)  
Thorsten Kroll (Technical University Darmstadt)  
Fabienne Kunne (CERN)  
Georgios Lalazissis (University of Thessaloniki)  
Marek Lewitowicz (GANIL)\*  
Norbert Pietralla (Technical University Darmstadt)  
Patrick Regan (University of Surrey)  
Christoph Scheidenberger (GSI)  
Vassilis Vlachoudis (CERN)  
Vladimir Voronov (JINR Dubna)\*  
Nicolae Victor Zamfir (IFIN-HH Bucharest)

***Tentative list of invited seminars***

Ismail Boztosun (Akdeniz University, Antalya)  
Constantin Mihai (IFIN-HH Bucharest)  
Nalan Ozkan (Kocaeli University)  
Georgi Rainovski (University of Sofia)\*  
Efsthios Stiliaris (University of Athens)  
Deyan Yordanov (CERN)

\* to be confirmed

***Local organizing committee***

Ana Georgieva (INRNE) – Chair  
Liliya Atanasova (INRNE) – Secretary  
Pavel Detistov (INRNE)  
Kalin Gladnishki (University of Sofia)  
Hristo Hristov (University of Plovdiv)  
Dimitar Kadrev (INRNE)  
Marina Kocheva (INRNE)  
Penka Lazarova (Union of the Physicists in Bulgaria)  
Luben Mihov (South-Western University)  
Korneliya Spasova (University of Shumen)  
Ralitsa Stanoeva (South-Western University)  
Radost Vasileva (South-Western University)