



## Workshop on European Small-Scale Accelerator Facilities

Aghios Nikolaos, Crete, Greece, September 7-8, 2007

### 2<sup>nd</sup> CIRCULAR

Dear Colleagues,

This is the second and final circular of the Workshop on European Small-Scale Accelerator Facilities to be held in Aghios Nikolaos, Crete, 7-8 September 2007 at the Iberostar Mirabello Beach Hotel.

This circular contains information on the scientific program, as well as useful information on transportation to/from the venue and the International Airport of Heraklion, Crete. The information included in this circular can also be found on the recently-updated workshop webpages (<http://www.inp.demokritos.gr/~ssfw>).

The venue for the workshop is the International Conference Center at the Iberostar Mirabello Beach Hotel, in Aghios Nikolaos, Crete. It is located at 2 km distance from the city of Aghios Nikolaos, the capital of the Prefecture of Lassithi, and about 70 km distance east of Heraklion, the capital city of Crete, and the International Airport of Heraklion. Accommodation for the participants has been arranged at the Iberostar Mirabello Beach and Village Resort and reservations have been made directly with the Hotel Reservations Office at a special rate valid until the 25<sup>th</sup> July. Participants who missed the Hotel reservation deadline have in the meantime been accommodated in Hermes Hotel nearby.

Registration will be held at the Conference Center on Friday morning 7<sup>th</sup> September, before the Opening of the Workshop (8:30-8:50 hrs). The program, as was formed following suggestions by the conveners, can be found on the workshop webpages and is also given below. Please forward your comments -if any- to the conveners.

Transportation to/from the venue and the International Airport of Heraklion is possible day and night by

- Taxi service (taxi station in front of terminal entrance). The cost of a taxi trip from the airport to the venue is approximately 70 Euros. To make sure you are not over-charged for the ride PLEASE inform the Hotel Reservations Office of the Iberostar Mirabello Beach Hotel (Ms Ergazaki Aristeia) via fax, phone or e-mail (Fax: +30 28410 28810, Phone: +30 28410 28400, Email: [res.mir@iberostar.com.gr](mailto:res.mir@iberostar.com.gr)) about your arrival flight details and ask them to arrange for a taxi for you.
- Public Transport Bus connection (K.T.E.L.). The cost is less than 10 Euros for a one-way ride:
  - Heraklion Central Bus Terminal → Aghios Nikolaos Bus Terminal (stops at Heraklion Airport)

- Aghios Nikolaos Bus Terminal → Elunda (stops at Iberostar Mirabello Beach & Village Resort)

Buses run from Heraklion Central Bus Terminal to Aghios Nikolaos Bus Terminal daily with a stop at the Heraklion International Airport en route. Travelers will have to wait for the bus at the bus stop outside the Airport Entrance Gate. It is estimated that the bus starting from Heraklion Central Bus Terminal takes about 10 min to get to Heraklion Airport. The bus ride to Aghios Nikolaos takes about 1 ½ hours. The bus does not stop nearby the Hotel on the way to the city of Aghios Nikolaos, so to get to Iberostar Mirabello Beach and Village Resort from Aghios Nikolaos, there is another bus connection running from Aghios Nikolaos to Elunda that stops in front of the Hotel. The bus timetables are attached to this circular. The two bus rides require separate tickets that can be bought on board the bus. The total cost is about 7,5 Euros.

For more details please visit the website: <http://www.inp.demokritos.gr/~ssfw>

Looking forward to welcoming you to Crete  
Sotirios Harissopulos  
on behalf of the Local Organizing Committee

#### Workshop conveners

- Nuclear astrophysics: S. Harissopulos ([sharisop@inp.demokritos.gr](mailto:sharisop@inp.demokritos.gr))
- Nuclear structure: N. V. Zamfir ([zamfir@tandem.nipne.ro](mailto:zamfir@tandem.nipne.ro))
- Microprobes for various applications: Ph. Moretto ([moretto@cenbg.in2p3.fr](mailto:moretto@cenbg.in2p3.fr))

#### Local Organising Committee

- S. Harissopulos ([sharisop@inp.demokritos.gr](mailto:sharisop@inp.demokritos.gr))
- A. Lagoyannis ([lagoya@inp.demokritos.gr](mailto:lagoya@inp.demokritos.gr))
- P. Demetriou ([vivian@inp.demokritos.gr](mailto:vivian@inp.demokritos.gr))

#### Members of the Small-Scale Accelerator Facilities Working Group of NuPECC

DOBES Jan ([dobes@ujf.cas.cz](mailto:dobes@ujf.cas.cz))

Nuclear Physics Institute, AS CR, 250 68 Rez, Czech Republic

HAAS Bernard (chair) ([haas@cenbg.in2p3.fr](mailto:haas@cenbg.in2p3.fr))

CENBG, Le Haut Vigneau, BP 120, 33175 Gradignan Cedex, France

HARISSOPULOS Sotirios ([sharisop@inp.demokritos.gr](mailto:sharisop@inp.demokritos.gr))

Institute of Nuclear Physics, National Centre for Scientific Research "Demokritos",  
POB 60228, 153.10 Aghia Paraskevi, Athens, Greece

LEEB Helmut ([leeb@kph.tuwien.ac.at](mailto:leeb@kph.tuwien.ac.at))

TU Wien, Atominstitut / Kernphysik, Wiedner Hauptstraße 8-10, A-1040 Wien, Austria

STYCZEN Jan ([Jan.Styczen@ifj.edu.pl](mailto:Jan.Styczen@ifj.edu.pl))

The Henryk Niedwondczanski Institute of Nuclear Physics, Polish Academy of Sciences,  
152 Radzikowskiego Str., 31-342 Krakow, Poland

ZAMFIR Nicolae-Victor ([zamfir@tandem.nipne.ro](mailto:zamfir@tandem.nipne.ro))

National Institute of Physics and Nuclear Engineering, Bucharest-Magurele, Romania

## BUS TIMETABLE

Route	Departures	
	MONDAY – SATURDAY	SUNDAY
<b>From:</b> Heraklion <b>To:</b> Aghios Nikolaos  (via Hersonissos and Malia)	06.30 – 06.45 – 07.00 – 08.00 – 08.30 – 09.00 – 09.30 – 10.00 10.30 – 11.30 – 12.00 – 12.30 – 13.00 – 13.30 – 14.00 – 14.30 15.30 – 16.00 – 16.30 – 17.00 – 17.30 – 18.30 – 19.00 – 19.30 20.00 – 20.30 – 21.30	06.45 – 07.00 – 08.00 – 09.00 09.30 – 10.00 – 10.30 – 11.30 12.30 – 13.00 – 13.30 – 14.30 15.30 – 16.00 – 16.30 – 17.00 17.30 – 18.30 – 19.00 – 19.30 20.00 – 20.30 – 21.30
<b>From:</b> Aghios Nikolaos <b>To:</b> Heraklion  (via Malia and Hersonissos)	06.15 – 07.00 – 07.30 – 08.00 – 08.30 – 09.30 – 09.45 – 10.30 11.00 – 11.30 – 12.00 – 12.30 – 13.00 – 13.30 – 14.00 – 15.00 15.30 – 16.00 – 17.00 – 17.30 – 18.00 – 18.30 – 19.30 – 20.30 21.30	06.15 – 07.30 – 08.00 – 08.30 09.30 – 09.45 – 11.00 – 12.00 12.30 – 13.00 – 13.30 – 14.00 15.00 – 15.30 – 16.00 – 17.00 18.00 – 18.30 – 19.30 – 20.30 21.30
	<b>MONDAY - FRIDAY</b>	<b>SATURDAY - SUNDAY</b>
<b>From:</b> Aghios Nikolaos <b>To:</b> Elounda  Bus stop “Mirabello”	06.00 – 07.00 – 08.30 – 09.00 09.30 – 10.00 – 10.30 – 11.00 12.00 – 12.30 – 13.00 – 14.00 15.00 – 16.00 – 16.30 – 17.00 18.00 – 19.00 – 20.00 – 21.00	07.00 – 08.30 – 09.00 – 10.00 – 11.00 – 12.00 – 13.00 – 14.00 15.00 – 16.00 – 17.00 – 18.00 – 19.00 – 20.00 – 21.00
<b>From:</b> Elounda <b>To:</b> Aghios Nikolaos	07.20 – 08.50 – 09.40 – 09.50 10.20 – 10.50 – 11.40 – 12.20 12.50 – 13.40 – 14.20 – 15.40 16.20 – 16.50 – 17.40 – 18.20 19.40 – 20.20 – 21.20	07.20 – 08.50 – 09.40 – 10.20 – 11.40 – 12.20 – 13.40 – 14.20 15.40 – 16.20 – 17.40 – 18.20 – 19.40 – 20.20 – 21.20

TIME	FRIDAY: 7.9.2007	
08:30 - 08:50	Registration	
08:50 - 09:00	OPENING	(B. Haas, on behalf of NuPECC)
	NUCLEAR STRUCTURE	
	Chair: N. V. Zamfir	
09:00 - 09:15	J. Jolie	<i>The Cologne 10 MV Tandem Accelerator Facility</i>
09:15 - 09:30	K. Sonnabend	<i>Nuclear structure at the electron linear accelerator S-DALINAC at TU Darmstadt</i>
09:30 - 09:45	R. Kruecken	<i>Nuclear Structure at the Tandem Accelerator of the Maier Leibnitz Laboratory in Munich</i>
09:45 - 10:00	E. Piasecki	<i>The Heavy Ion Laboratory of the University of Warsaw</i>
10:00 - 10:15	S. Siem	<i>The Oslo Cyclotron Laboratory</i>
10:15 - 10:30	N. V. Zamfir	<i>The Tandem Accelerator Facility at NIPNE Bucharest</i>
10:30 - 10:45	J. Stursa	<i>The Isochronous cyclotron U-120M at Rez</i>
10:45 - 11:15	COFFEE	
	NUCLEAR ASTROPHYSICS	
	Chair: J. Dobes	
11:15 - 11:30	R. Kruecken	<i>Nuclear Astrophysics at the Tandem Accelerator of the Maier Leibnitz Laboratory in Munich</i>
11:30 - 11:45	K. Sonnabend	<i>Nuclear astrophysics at the electron linear accelerator S-DALINAC at TU Darmstadt</i>
11:45 - 12:00	V. Kroha	<i>Nuclear astrophysics at NPI Rez</i>
12:00 - 12:15	G. Gyürky	<i>Nuclear Astrophysics at the Van de Graaff and Cyclotron Accelerators of ATOMKI</i>
12:00 - 12:15	C. Broggini	<i>The LUNA phase beyond the Sun</i>
12:15 - 12:30	S. Harissopulos	<i>Nuclear Astrophysics at the Tandem Accelerator of NCSR "Demokritos", Athens</i>
12:30 - 12:45	H. W. Becker	<i>Nuclear Astrophysics at the DTL - Bochum</i>
13:00 - 15:30	LUNCH	
15:30 - 15:45	S. Harissopulos	<i>ENSF – The European Network on Small-scale accelerator Facilities</i>
15:45 - 17:30	Round Table Discussion	<i>"How to proceed"</i>

**SATURDAY: 8.9.2007**

	<b>NUCLEAR MICROPROBES</b>	<b>AND APPLICATIONS</b>
	Chair: B. Haas	
08:30 - 09:00	Philippe Moretto	<i>Biomedical applications of MeV ion microbeams</i>
09:00 - 09:30	Günther Dollinger	<i>3D-Hydrogen Microscopy</i>
09:30 - 10:00	Aliz Simon	<i>Materials science &amp; engineering with MeV microbeams</i>
10:00 - 10:30	Iva Bogdanovic	<i>Ion Microprobe applications at the Ruder Boskovic Institute in Zagreb</i>
10:30 - 11:00	COFFEE	
	Chair: J. Styczen	
11:00 - 11:15	Roberto Cherubini	<i>Light- and Heavy-ion microbeam facilities at the INFN-Laboratori Nazionali di Legnaro</i>
11:15 - 11:30	Michael Uhrmacher	<i>High Resolution and Micro-Beam Facilities at the Göttingen Small-Scale Accelerators</i>
11:30 - 11:45	Janusz Lekki	<i>Nuclear Microprobe and the Single Ion Facility at the Institute of Nuclear Physics PAN Krakow</i>
11:45 - 12:00	M. García-León	<i>The Spanish National Center for Accelerators (CNA) at Sevilla</i>
12:00 - 12:15	Adelaide Pedro de Jesus	<i>The Ion Beam Laboratory at ITN-Lisbon</i>
12:15 - 12:30	Peter Rullhusen	<i>The JRC laboratory for Neutron Physics</i>
12:30 - 12:45	Helmut Leeb	<i>Proposed Physics Programme at the planned MedAustron Facility</i>
12:45 - 13:00	Vladimir Havranek	<i>The Tandetron Laboratory in Rez</i>
13:00 - 13:15	Andreas Karydas	<i>Ion beams and X-rays for applications at NCSR "Demokritos"</i>
13:15 - 15:45	LUNCH	
15:45 - 17:00	Round Table Discussion	<i>"How to proceed"</i>
17:00 - 17:15	CLOSING	