

Fourth International Summer School
and Workshop on

8- 19 July 2007

Prague

NUCLEAR PHYSICS
METHODS
AND ACCELERATORS
IN BIOLOGY
AND MEDICINE



Closure

Carlos Granja

School Scientific Secretary



Program

Sessions

- Nuclear Physics
- Environmental & Life Sciences
- Particle Accelerators
- Radiotherapy
- Radiation/Particle Detectors
- Biomedical Imaging
- Radiobiology
- Trends in Biology
- Frontier Physics



Program

Courses

- Plenary (6)
- Lectures (22)
- Talks (17)

Speakers

- 45 (41 male / 4 female)
- 14 countries (2 continents) + 1
- 16 below 40 y.o.
- + (Ecuador – C. G.)



Students {

- Talks (53)
- Posters (15)

}

- 18 countries (3 continents)

Speakers

	Plenary	Lectures	Talks	total
• Bulgaria		2		2
• Canada	2			2
• Czech Rep.	1	3	12	16
• Germany	2	1		3
• Greece		2		2
• Hungary		1		1
• Italy			1	1
• Mexico		1		1
• Norway	1			1
• Poland		7		7
• Russia	2	2	1	5
• Serbia		1		1
• Slovakia			1	1
• Switzerland		2		2



Participants

- 85 students
- 18 countries (3 continents)
- 38 female / 47 male

Participants

• Bielorussia	1		• Serbia	1	
• Belgium	1		• Slovakia	11	{ Comenius U Bratisl.
• Canada	1		• Switzerland	1	
• Cuba	1		• Ukraine	3	{ Kiev (2), Uzhgorod (1)
• Czech Rep.	6	{ CTU Prague (5), NPI Rez (1)	• USA	1	
• France	4	{ Caen (1), Cergy-Pontoise (1), CERN (1), Nantes (1)			
• Germany	1				
• Hungary	1				
• Israel	1				
• Mexico	2	{ UNAM			
• Pakistan	1				
• Poland	22	{ Poznan (5), Warsaw (4), Opole (3), Krakow (3), Lodz (2), Szczecin (2), Torun (1), Wroclaw (1), JINR Dubna (1)			
• Russia	24	{ JINR Dubna (12), Dubna U (2), Moscow St. U (4), MIFI Moscow (3), Tomsk(2), Leb. P.I. Moscow (1)			



Awards

Best School Speakers

- I {
 - Oliver Jaekel (DKFZ Heidelberg)
 - Roger Lecomte (Sherbrooke U Quebec)

- II {
 - Grigory Trubnikov (JI NR Dubna)
 - Jan Wilkens (DKFZ Heidelberg)
 - Maria-Ester Brandan (UNAM Mexico)



Awards

Best Student Talks 11

(in alphabetical order)

- Mira ANIČIĆ (Serbia) *
- Dmitriy ARTAMONOV (Moscow st. U) *
- Grzegorz BRZEZIŃKA (Krakow) *
- Shlomi HALFON (Jerusalem) *
- I elyzaveta KULIČH (Kiev) *
- Takako KURI MOTO (California st. U) *
- Jana MERESOVA (Comenius U Bratislava) *
- Koen MI CHI ELSEN (Leuven U) *
- Caroline PAUTARD (Caen) *
- Francois POWOLNY (CERN) *
- Winnie WONG (CERN / Waterloo U) *

* Excellency Award



Awards

Best Student Posters 4

(in alphabetical order)

- Denis BECKFORD (Havana)
- Livia MESKOVA (Comenius U Bratislava)
- I van ROSADO (UNAM Mexico) *
- Yulia VASENEVA (JI NR Dubna)

* Excellency Award



Conclusions

- High attendance (motivation: Physics vs. Prague)
 - Broad but balanced composition (field, country, age, gender)
- Active & significant involvement by students
 - talks, posters: training & contribution to Program
 - Program also ! for Speakers
 - Proceedings: AIP (reviewed & IF)
 - Feedback, Speaker Evaluation by participants & questions
- Broad, rich (but long) Program
- Awards: Best Student Talks, Best Posters [by speakers and organizers]
- Awards for Speakers [by Student Participants]

M. Janssen
I. Kulich
K. Michielsen
F. Powolny
I. Rosado
W. Wong



Recommendations for future Schools

- Speakers
 - Selected based on both: expertise & teaching skills
 - Involve & bring students !
 - Involve women speakers
- Program
 - Student Summer School (not Conference nor Workshop)
- Courses
 - CONTENT: primarily within the scope of the School
 - TYPE: Plenary & Short Lectures
 - STYLE: (Introductory & Basic) and (current work & state-of-the-art)

PLUS active contribution by student participants! (talks/posters)

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Next School

(July) 2009

Bratislava, Comenius University

Slovakia

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Support

- CTU Prague
- Committee of Czech Rep for Cooperation with JI NR Dubna
- JI NR Dubna
- I NS Warsaw
- AMU Poznan
- Comenius U Bratislava
- I EAP CTU Prague
- NPI Rez near Prague
- Optaglio, Pfeiffer Vacuum

Special thanks to

- American Institute of Physics (AIP) –
School Proceedings

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Thanks

all participants !

- Wladislav Chmielowski (JI NR Dubna / I NS Warsaw)
- Ivan Štekl (I EAP CTU Prague)
- Dmitri Fursaev (UC JI NR Dubna)

Local Org. Committee

- Vlastik Kral (I EAP CTU Prague)
- Tomas Slaviček (I EAP CTU Prague)
- Jiří Dammer (I EAP CTU Prague)
- Marie Poppova (I EAP CTU Prague)
- Elena Ryparova (I EAP CTU Prague)

Thanks also to

- Svetlana Ivanova (UC JI NR Dubna)
- Stanislav Pospíšil (I EAP CTU Prague)
- Anna Dubničkova (Comenius U Bratislava)
- Juan Samaniego (Mexico) logo, poster, webpage design