



# Wigner 111

Colourful & Deep



## Scientific Symposium

11-13 November 2013. Széchenyi Square 9, Budapest, Hungary



Organized by

### Wigner Research Centre for Physics Hungarian Academy of Sciences

Chairmen: József Pálinkás and Péter Lévai, Scientific Secretary: Sándor Varró

#### Plenary Speakers

ASPECT, Alain (France)  
BUSCH, Paul (UK)  
BIALYNICKI-BIRULA, Iwo (Poland)  
HARGITTAI, István (Hungary)  
HORVÁTH, Dezső (Hungary)  
JACKIW, Roman (USA)  
KIM, Young Suh (USA)  
KOVÁCS, László (Hungary)  
MUELLER, Berndt (USA)  
RAUCH, Helmut (Austria)  
RÓNÁKY, József (Hungary)  
RUFFINI, Remo (Italy)  
SCHLEICH, Wolfgang P. (Germany)  
SCHROER, Bert (Germany)  
SERGIENKO, Alexander V. (USA)  
SÓLYOM, Jenő (Hungary)  
STOCKS, G. Malcolm (USA)  
STÖCKER, Horst (Germany)  
WIESCHER, Michael (USA)  
ZEILINGER, Anton (Austria)

The "Wigner 111 – Colourful & Deep" Scientific Symposium is organized on the occasion of Eugene P. Wigner's 111<sup>th</sup> birthday, the 50<sup>th</sup> anniversary of his receiving the Nobel Prize in Physics, and to celebrate the recent foundation of the Wigner Research Centre for Physics of the Hungarian Academy of Sciences. There will be plenary talks, invited talks, and a poster session. According to the very broad spectrum of Eugene P. Wigner's contribution to physics, the program will include subjects like foundations of physics, Wigner functions, group theory, quantum optics, solid state physics, particle and nuclear physics, astrophysics, energetics, nuclear reactors. This series of talks, to be presented by leading experts, will surely reflect the present state of art of modern physics in these sub-disciplines. After the symposium, on 14<sup>th</sup> November, in the frame of the Wigner memorial tour, a visit to Wigner's birth-place, to his famous Budapest-Fasori Lutheran Secondary School and to the Wigner Research Centre for Physics will be organized, including the pre-inauguration of the Wigner square and a visit to the Wigner Datacenter.

#### Local Organizers

Ádám, Péter  
Bajnok, Zoltán  
Barnaföldi, Gergely G.  
Bíró, Tamás Sándor  
Czitrovsky, Aladár  
Fülöp, Zsolt  
Horváth, Ákos  
Horváth, Dezső  
Kiss, Tamás  
Krasznahorkay, Attila  
Újfalussy, Balázs  
Rácz, István  
Vecsernyés, Péter  
Veres, Gábor  
Wolf, György

#### Confirmed Invited Speakers

##### 1. Foundations of Physics

CURTRIGHT, Thomas L.  
DIÓSI, Lajos  
ELZE, Hans-Thomas  
VÁN, Péter.  
ZACHOS, Cosmas K.

##### 5. Nuclear Physics

BALABANSKI, Dimiter  
BRACCO, Angela  
METAG, Volker  
UESAKA, Tomohiro  
REDLICH, Krzysztof

##### 2. Group Theory

CSEH, József  
JEVICKI, Antal  
KORCHEMSKY, Gregory  
SCHOMERUS, Volker  
SEMENOV-TIAN-SHANSKY, Michel  
VAN ISACKER, Pieter

##### 6. Astrophysics

BLASCHKE, David  
DANZMANN, Karsten  
FERRINI, Federico  
GUGLIELMETTI, Alessandra  
LÜCK, Harald  
PARIKH, Anouj  
SPITALERI, Claudio  
VINET, Jean-Yves

##### 3. Quantum Optics

ALBER, Gernot  
BERGOU, János A.  
CHARALAMBIDIS, Dimitris  
FRANSON, James D  
JAVANAINEN, Juha  
JELEZKO, Fedor.  
MAN'KO, Vladimir V.

##### 7. Energetics

CARRÉ, Frank  
HARMAN, Jon  
GADÓ, János  
JACQUINOT, Jean  
KUTEEV, Boris V.  
ZOLETNIK, Sándor

##### 4. Solid State Physics

DUGDALE, Stephen  
EBERT, Hubert  
STAUNTON, Julie  
SZUNYOGH, László  
ZELLER, Rudolf

#### Sponsors



<http://wigner.mta.hu/wigner111>