

MATHEMATICAL PHYSICS: NEW DEVELOPMENTS AND PERSPECTIVES

05-06/09/2022

Académie Polonaise des Sciences
Centre Scientifique à Paris
74 rue Lauriston
75116 Paris

05/09/2022

PROGRAMME

- 09:00-09:10 REGISTRATION
- 09:10-09:15 WELCOME SPEECH
Magdalena Sajdak (Polish Academy of Sciences Scientific Center in Paris)
Marcin Napiórkowski (University of Warsaw)
- 09:15-10:00 Vladimir Georgescu (CY Cergy Paris University)
Beyond the N-body problem
- 10:10-10:55 Jan Philip Solovej (University of Copenhagen)
Dirac operators with magnetic links
- 11:00-11:30 COFFEE BREAK
- 11:30-12:15 Claude-Alain Pillet (University of Toulon)
Some thoughts on approach to equilibrium
- 12:15-14:00 LUNCH BREAK
- 14:00-15:00 Keynote speaker: Jan Dereziński (University of Warsaw)
Dirac-Coulomb Hamiltonians
- 15:30-16:15 Vojkan Jaksic (McGill University, Montreal) [on-line]
Some remarks on adiabatic time evolution and quasi-static processes in translation-invariant quantum systems

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- 09:00-09:10 REGISTRATION
- 09:10-09:55 Wojciech Dybalski (Adam Mickiewicz University, Poznań)
Infraparticle states in the massless Nelson model - revisited
- 10:05-10:50 Wojciech Kamiński (University of Warsaw)
The Fefferman-Graham obstruction tensor and conformal Einstein equations
- 11:00-11:30 COFFEE BREAK
- 11:30-12:15 Andrzej Sitarz (Jagiellonian University, Cracow)
Spectral Einstein tensor
- 12:15-14:00 LUNCH BREAK
- 14:00-14:45 Christian Gérard (Paris-Saclay University)
Some memories of working with Jan
- 14:55-15:40 Jérémy Faupin (University of Lorraine, Metz)
Spectral decomposition of some non-self-adjoint operators
- 16:10-16:55 Wojciech de Roeck (Catholic University of Leuven)
Classification of G -charge Thouless pump
- 16:55-17:00 CLOSING REMARKS
Christian Gass (University of Warsaw)
Marcin Napiórkowski (University of Warsaw)