

VA²MP

Prague; September 2 – 3, 2020

Wednesday, September 2

8 ⁵⁵ – 9 ⁰⁰	Opening
9 ⁰⁰ – 9 ⁴⁰	Pavel Exner Soft quantum waveguides
9 ⁴⁵ – 10 ²⁵	Vladimir Lotoreichik Spectral analysis of the multi-dimensional diffusion operator with random jumps from the boundary
10 ³⁰ – 11 ⁰⁰	Coffee break
11 ⁰⁰ – 11 ⁴⁰	Iveta Semorádová Approximation of eigenvalues of 1D Schrödinger operators with imaginary potential
11 ⁴⁵ – 12 ²⁵	Filip Blaschke Integrable vortices on a plane: the utility of non-canonical theories
12 ³⁰ – 14 ³⁰	Lunch break
14 ³⁰ – 15 ¹⁰	Alfredo Iorio Dirac Materials as playgrounds of high-energy theory
15 ¹⁵ – 15 ⁵⁵	Vít Jakubský Omnidirectional transmission of Dirac fermions on two-dimensional electrostatic barriers
16 ⁰⁰ – 16 ³⁰	Coffee break
16 ³⁰ – 17 ¹⁰	Jiří Lipovský How to compute functional determinants
17 ¹⁵ – 17 ⁵⁵	Pablo Pais Torsion through time-loops on bidimensional Dirac materials

Thursday, September 3

9 ⁰⁰ – 9 ⁴⁰	Miloslav Znojil Arnold's potentials and quantum catastrophes
9 ⁴⁵ – 10 ²⁵	Matěj Tušek Location of hot spots in thin curved strips
10 ³⁰ – 11 ⁰⁰	Coffee break
11 ⁰⁰ – 11 ⁴⁰	Aurél Gábris Classical and quantum coherences in photonic quantum networks
11 ⁴⁵ – 12 ³⁰	Andrii Khrabustovskyi Opening of spectral gaps for periodic quantum graphs
12 ³⁰ – ...	Closing and informal discussion