

ECT* Workshop on
Simulating QCD with Lefschetz thimbles

June 28-30 2017, ECT*, Trento, Italy

PROGRAM

Wednesday, June 28

<i>Time</i>	<i>Speaker</i>	<i>Title</i>
10:00am	Y. Tanizaki	Lefschetz-thimble approach to the fermionic sign problem
11:15am	F. Ziesché	The geometric structure of complexified 0+1d-QCD at finite chemical potential and its usage in Monte-Carlo simulations
12:30am		<i>Lunch</i>
2:00pm	N. Warrington	Taming the Sign Problem with Lefschetz Thimbles
3:15pm	H. Fujii	The Reweighting Method in Complex Langevin

Thursday, June 29

<i>Time</i>	<i>Speaker</i>	<i>Title</i>
9:30am	G. Ridgway	Real-Time Dynamics on the Lattice
10:45am	G. Aarts	Langevin and Lefschetz
12:00am		<i>Lunch</i>
2:00pm	Y. Abe	Analytical studies of the complex Langevin equation with the Gaussian truncation
3:15pm	S. Kamata	Non-perturbative contributions from complexified solution in $\mathbb{C}P^1$ models

Friday, June 30

<i>Time</i>	<i>Speaker</i>	<i>Title</i>
9:30am	S. Valgushev	Lattice study of continuity and finite-temperature transition in $2d SU(N) \times SU(N)$ Principal Chiral Model
10:30am	J. Ranaharju	Accurate Simulation of the Finite Density Thirring Model
11:30am	W. Unger	Strong coupling approach to the sign problem of lattice QCD
12:30am		<i>Lunch</i>

LIST OF PARTICIPANTS

<i>First Name</i>	<i>Surname</i>	<i>Affiliation</i>
Gert	Aarts	Swansea University
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