

01/07/2019

9:00 – 09:50	K/130	Registration
9:50 – 10:00	K/133	Welcome
10:00 – 11:00	K/133	<b>Detlev Buchholz:</b> <i>Classical dynamics, arrow of time, and genesis of the Heisenberg commutation relations</i>
11:00 – 11:30	K/130	Coffee break
11:30 – 12:30	K/133	<b>Klaus Fredenhagen:</b> <i>Characterization of dynamics in algebraic quantum field theory</i>
12:30 – 14:00		Lunch break
14:00 – 15:00	K/133	<b>Paweł Duch:</b> <i>Infrared problem in perturbative QED</i>
15:00 – 16:00	K/133	<b>Wojciech Dybalski:</b> <i>Asymptotic charges, soft-photon theorems and large gauge transformations</i>
16:00 – 16:30	K/130	Coffee break
16:30 – 17:30	K/133	<b>Daniela Cadamuro:</b> <i>Curing the infrared problem in nonrelativistic QED</i>
17:30 – 18:00	K/133	Open discussion: <i>Infrared problem</i>

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9:30 – 10:30	K/133	<b>Dorothea Bahns:</b> <i>The Sine Gordon model in pAQFT</i>
10:30 – 11:00	K/133	<b>Eleni Kontou:</b> <i>A semiclassical singularity theorem</i>
11:00 – 11:30	K/130	Coffee break
11:30 – 12:30	K/133	<b>Eli Hawkins:</b> <i>Combinatorics of the Star Product in AQFT</i>
12:30 – 14:00		Lunch break
14:00 – 15:00	K/133	<b>John Barrett:</b> <i>Bimodules and non-commutativity in fundamental physics</i>
15:00 – 16:00	K/133	<b>Alexander Schenkel:</b> <i>Higher structures in algebraic quantum field theory</i>
16:00 – 16:30	K/130	Coffee break
16:30 – 17:30	K/133	<b>Pierre Clavier:</b> <i>Real resummation in quantum field theory</i>
17:30 – 18:00	K/133	Open discussion: <i>Algebraic structures in QFT</i>

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9:30 – 10:30	K/133	<b>Sylvie Paycha:</b> <i>A geometric perspective on regularity structures</i>
10:30 – 11:30	K/130	Coffee break
11:30 – 12:30	K/133	<b>David Evans:</b> <i>Reconstruction and the search for the exotic in Conformal Field Theory</i>
12:30 – 14:00		Lunch break
14:00 – 14:50	K/133	<b>Bert Schroer:</b> <i>String-local QFT and its application to QED</i>
14:50 – 15:25	K/133	<b>Christian Gass:</b> <i>Perturbative construction of interactions involving string-local bosonic potentials</i>
15:25 – 16:00	K/133	<b>Karl-Henning Rehren:</b> <i>Spacelike deformations</i>
16:00 – 16:30	K/130	Coffee break
16:30 – 17:30	K/133	<b>Rainer Verch:</b> <i>QFT in 1+1 de Sitter spacetime and its Minkowski scaling limit</i>
17:30 – 18:00	K/133	Open discussion: <i>String localized fields</i>
19:30		Social dinner at Ye Olde Starre Inne

04/07/2019

9:30 – 10:30	K/133	<b>Vincent Rivasseau:</b> <i>Quantum Field Theory on Random Trees</i>
10:30 – 11:00	K/133	<b>Fabien Vignes-Tourneret:</b> <i>Constructive Tensor Field Theory through an example</i>
11:00 – 11:30	K/130	Coffee break
11:30 – 12:30	K/133	<b>Viet Ngyuen Dang:</b> <i>Renormalization and a question of Quillen on determinant line bundles</i>
12:30 – 14:00		Lunch break
14:00 – 15:00	K/133	<b>Harald Grosse:</b> <i>Solving the noncommutative <math>\Phi^3_{2,4,6}</math> QFT models</i>
15:00 – 16:00	K/133	<b>Raimar Wulkenhaar:</b> <i>Solution of all quartic matrix models</i>
16:00 – 16:30	K/130	Coffee break
16:30 – 17:00	K/133	<b>Maximilian Duell:</b> <i>Multi-Particle Scattering and Asymptotic Completeness in Interacting Wedge-local QFT Models</i>
17:00 – 17:30	K/133	Open discussion: <i>Renormalization</i>



05/07/2019

9:00 – 10:00	K/159	<b>Gandalf Lechner:</b> <i>From the construction of integrable QFTs to the classification of unitary R-matrices</i>
10:00 – 11:00	K/159	<b>Jan Dereziński:</b> <i>The Feynman propagator on a curved spacetime</i>
11:00 – 11:30	K/130	Coffee break
11:30 – 12:30	K/159	<b>Chris Fewster:</b> <i>Local measurement schemes for quantum field theory in curved spacetimes</i>
12:30		Closing remarks