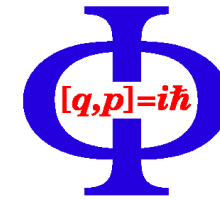


Program

Algebraic Quantum Field Theory – the first 50 Years

Göttingen, July 29-31, 2009



Location: **Physics Department**, Lecture Hall 2 (Max Born Hörsaal), Friedrich-Hund-Platz 1

Tuesday, July 28		Wednesday, July 29		Thursday, July 30		Friday, July 31	
09:00		Registration				08:45	Robert M. Wald
09:30		Welcome				09:45	Coffee break
09:45		Rudolf Haag		Roberto Longo	09:45	10:15	Rainer Verch
10:45		Coffee break		Coffee break	10:45	11:15	Coffee break
11:15		Klaus Fredenhagen		David E. Evans	11:15	11:45	Stefan Hollands
12:15		Lunch		Lunch	12:15	12:45	Lunch
14:00		Sergio Doplicher		Daniele Guido	14:00	14:30	Chris J. Fewster
15:00		Coffee break		Coffee break	15:00	15:30	Coffee break
15:30		Jakob Yngvason		Gandalf Lechner	15:30	16:00	Romeo Brunetti
16:30		Coffee break		Coffee break	16:30	17:00	Coffee break
17:00	Early registration and welcome coffee, Math Dept (Hilbert Hall) Bunsenstr. 3-5 (till 19:00)	John E. Roberts		Stephen J. Summers	17:00	17:30	Valter Moretti
18:00							
19:00							

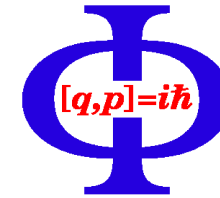
----- permanent: poster session in the foyer -----

Dinner:
Theater Restaurant,
Theaterplatz



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Talks: Rudolf Haag

Local algebras.

A look back at the early years and at some successes and missed opportunities

Romeo Brunetti

Algebraic perspectives in interacting classical field theories

Sergio Doplicher

The Principle of Locality: fate and challenges

David E. Evans

Operator algebras: the impact of quantum field theory on subfactors and K-theory

Chris J. Fewster

Perspectives on locally covariant quantum field theory on curved spacetimes

Klaus Fredenhagen

The impact of the algebraic approach on perturbative quantum field theory

Daniele Guido

Scaling limits ultraproducts, compactness conditions, and quantum Gromov-Hausdorff limits

Stefan Hollands

Perturbative Quantum Field Theory via Vertex Operator Algebras

Gandalf Lechner

Deformations of operator algebras and the construction of quantum field theories

Roberto Longo

Standard subspaces and applications in Quantum Field Theory

Valter Moretti

QFT in curved spacetimes with null-like boundaries, and bulk-boundary correspondence

John E. Roberts

Cohomology in the service of AQFT

Stephen J. Summers

Yet More Ado About Nothing: The remarkable relativistic vacuum state

Rainer Verch

A guided tour to concepts and developments in quantum field theory on curved spacetime

Robert M. Wald

Axiomatic quantum field theory on curved spacetime

Jakob Yngvason

The Borchers-Uhlmann algebra and its descendants

