

# Origin of Mass 2010

Understanding what lies beyond

Odense, May 3-7, 2010

## CP<sup>3</sup> - Origins



Particle Physics & Origin of Mass

	Monday	Tuesday	Wednesday	Thursday	Friday
Chair	F. Sannino	K. Tuominen	C. Pica	D. Dietrich	P. Hoyer
9:00	Registration	T. Peitzmann <i>ALICE</i>	G. Fleming	R. Schnee <i>CDMS</i>	F. Maltoni
9:30	C. Hill				
10:00		L. Vecchi	R. Venugopalan	A. Hasenfratz	M. Frandsen
10:30					
11:00	Coffee break				
11:30	A. Nisati <i>ATLAS</i>	P. Hoyer	E. Kerrane	R. Wijewardhana	T. Rytov
12:00			J. Lu		
12:30	Lunch				
13:00					
13:30					
Chair	C. Kouvaris	E. Poppitz	C. Hill	S. Brodsky	K. Tuominen
14:00	Y. Sirois <i>CMS</i>	M. Creutz	A. Romanino	H. Kurki-Suonio <i>PLANCK</i>	S. Brodsky
14:30					
15:00	M. Antola	M. Lin	M. Nardecchia	M. Järvinen	P. Benes
15:30	Coffee break				A. Smetana
16:00	I. Masina	S. Catterall	E. Poppitz	C. Kouvaris	Closing Remarks
16:30					

All talks are in **O100**.

The conference dinner is Wednesday at 19:00.

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## Conference dinner

Wednesday, May 5, 19:00



## Scientific Program

Monday	
Chair	F. Sannino
9:00	Registration
9:30	C. Hill: <i>Gauge and Gravitational Anomalies</i>
10:00	
10:30	L. Vecchi: <i>Double Trace Deformations: A Flow Between Two Fixed Points</i>
11:00	Coffee break
11:30	A. Nisati: <i>Status and Prospects of the ATLAS Experiment at the LHC (ATLAS)</i>
12:00	
12:30	Lunch
13:00	
13:30	
Chair	C. Kouvaris
14:00	Y. Sirois: <i>Performance and First Results from the CMS experiment (CMS)</i>
14:30	
15:00	M. Antola: <i>Minimal Superconformal Technicolor</i>
15:30	Coffee break
16:00	I. Masina: <i>The Cold Spot as a Large Void: Rees-Sciama and Lensing effect on the CMB</i>
16:30	

Tuesday	
Chair	K. Tuominen
9:00	T. Peitzmann: <i>ALICE at LHC: First Data From p+p and Perspectives for A+A (ALICE)</i>
9:30	
10:00	R. Venugopalan: <i>Many-Body High Energy QCD: From Wee Partons to the Perfect Fluid</i>
10:30	
11:00	Coffee break
11:30	P. Hoyer: <i>Bound States and the <math>\hbar</math> Expansion</i>
12:00	
12:30	Lunch
13:00	
13:30	
Chair	E. Poppitz
14:00	M. Creutz: <i>Anomalies, Gauge Field Topology, and the Lattice</i>
14:30	
15:00	M. Lin: <i>Strong Dynamics On the Lattice</i>
15:30	Coffee break
16:00	S. Catterall: <i>Minimal Walking On the Lattice: Status and New Ideas</i>
16:30	

Wednesday	
Chair	C. Pica
9:00	G. Fleming: <i>Three Years of Lattice Strong Dynamics: Have We Accomplished Anything Yet?</i>
9:30	
10:00	A. Hasenfratz: <i>Conformal or Walking? Monte Carlo Renormalization Group Studies of Technicolor-Inspired Models</i>
10:30	
11:00	Coffee break
11:30	E. Kerrane: <i>Improved Lattice Spectroscopy of Minimal Walking Technicolor</i>
12:00	J. Lu: <i>QCD-like Theories at Next-to-Next-to Leading Order</i>
12:30	Lunch
13:00	
13:30	
Chair	C. Hill
14:00	A. Romanino: <i>Tree Level Gauge Mediation</i>
14:30	
15:00	M. Nardecchia: <i>Naturalness and Flavor Problem in the MSSM</i>
15:30	Coffee break
16:00	E. Poppitz: <i>Monopoles, Bions and Other Oddballs in Confinement and Conformality</i>
16:30	

Thursday	
Chair	D. Dietrich
9:00	R. Schnee: <i>Direct Searches for WIMP Dark Matter (CDMS)</i>
9:30	
10:00	M. Frandsen: <i>Dark Matter from Technicolor Models</i>
10:30	
11:00	Coffee break
11:30	R. Wijewardhana: <i>Lovelock Gravity and Dark Matter</i>
12:00	
12:30	Lunch
13:00	
13:30	
Chair	S. Brodsky
14:00	H. Kurki-Suonio: <i>The Planck Satellite Mission (PLANCK)</i>
14:30	
15:00	M. Järvinen: <i>Walking Technicolor at Colliders</i>
15:30	Coffee break
16:00	C. Kouvaris: <i>Dark Matter Constraints From Neutron Stars</i>
16:30	

Friday	
Chair	P. Hoyer
9:00	F. Maltoni: <i>SM and BSM Simulations for the LHC: The Path Towards Discoveries.</i>
9:30	
10:00	D. Dietrich: <i>Quasiconformality</i>
10:30	
11:00	Coffee break
11:30	T. Rytrov: <i>Recent Developments in TC/ETC Model Building</i>
12:00	
12:30	Lunch
13:00	
13:30	
Chair	E. Poppitz
14:00	S. Brodsky: <i>AdS/QCD, Light-Front Holography and the Chiral Condensate</i>
14:30	
15:00	P. Benes: <i>CKM Matrix in Models with Dynamical Mass Generation</i>
15:30	A. Smetana: <i>Sterility From Flavor Gauge Dynamics</i>
16:00	Closing remarks