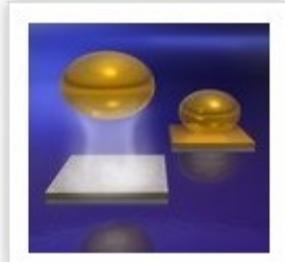


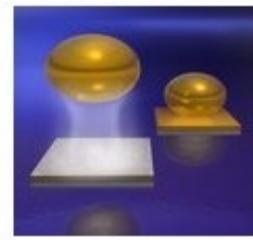
Monday, September 19

Hour	ROOM A	ROOM B	ROOM C
15:30	<b>Precision Measurement of the Casimir Force Gradient Using a Dynamic AFM</b>  U. Mohideen	<b>Covariant Lagrange multiplier constrained higher derivative gravity with scalar projectors</b>  S. Nojiri	<b>Aharonov-Bohm effect in scattering of quasiclassical particles</b>  Y. Sitenko
16:00	<b>The MIR experiment: towards an in-vacuum detection of the Dynamical Casimir Effect</b>  F. DellaValle	<b>Massive, massless and ghost modes of gravitational waves from higher-order gravity</b>  S. Capozziello	<b>Domain Walls and other Solitons in Four-Fermi Lifshitz Type QFTs in 4d</b>  J. Feinberg
16:30	<b>Casimir force in silicon micro- and nano-structures</b>  H. B. Chan	<b>Yang-Mills condensates in cosmology</b>  D. Gal'tsov	<b>The Casimir effect for parallel plates involving massless Majorana fermions and the renormalized Casimir energy</b>  H. Cheng
17:00	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
17:30	<b>Quantum piston with non-ideal dispersive interface.</b>  C. Villareal	<b>Quasiblack holes and entropy of black holes</b>  O. Zaslavskii	<b>Fermion Determinant in non-Abelian radial Backgrounds</b>  H. Min
18:00	<b>Time-dependent Robin boundary conditions in the dynamical Casimir effect</b>  C. Farina	<b>Modified Dispersion Relations: from Black – Hole Entropy to the Cosmological Constant</b>  R. Garattini	<b>Casimir effect of Proca fields</b>  L. P. Teo
18:30	<b>Quantum dissipative effects on imperfect moving mirrors</b>  F. D. Mazzitelli	<b>Awaking the vacuum in relativistic stars</b>  W. Lima	<b>Temperature independent Casimir-Polder forces: thermal non-equilibrium and arbitrary geometry</b>  S. Ellingsen (S. Scheel)



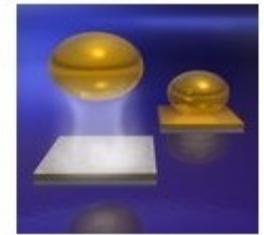
**Tuesday, September 20**

Hour	ROOM A	ROOM B	ROOM C
15:30	The zeta-regularized spectral determinant and vacuum energy of graph Schrodinger operators  J. Harrison	Finite Temperature Casimir effect for graphene and metals  V. Marachevskii	Finite Irreducible Many-Body Casimir Energies  M. Schaden
16:00	Casimir Energies of Tetrahedra  E. Abalo	Boundary conditions in the Dirac approach to graphene devices  G. Beneventano	Casimir and Casimir-Polder forces in chiral and non-reciprocal media (S. Y. Buhmann)  Y. Buhmann
16:30	The Casimir repulsion in sphere-plane geometry  I. Pirozhenko	Casimir Effects in Graphene Systems  B. E. Sernelius	Lifshitz theory for amplifying systems  A. Sambale
17:00	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
17:30	Effective Action and Phase Transitions in Yang-Mills Theory on Spheres  S. Collopy	Some algorithmic improvements of the loop cloud method  T. Fischbacher	A model of a non-uniform spatially dispersive plasma  A. Calogeracos
18:00	The Casimir effect in the sphere-plane geometry  A. Canaguier - Durand	Quantum Faraday effect in graphene within relativistic Dirac model  I. Fialkovski	The proximity force approximation for the Casimir energy as a derivative expansion  F. Lombardo
18:30	Casimir-Polder potential in the geometry of cosmic string with a cylindrical shell  A. Kotanjyan	Sommerfeld's image method in the calculation of van der Waals forces.  R. Melo de Souza	Quaternion - Octonion QCD and SU (3) Flavor Symmetry  P.S.Bisht



**Thursday, September 22**

Hour	ROOM A (Euler-Heisenberg session)	ROOM B	ROOM C
15:30	<b>The Euler-Heisenberg Lagrangian beyond one-loop</b>  C. Schubert	<b>Phase diagram and thermodynamics for asymmetric planar fermionic systems in the presence of external fields</b>  R. Ramos	<b>Development of a high-sensitivity torsion balance to study the thermal Casimir force</b>  W. J. Kim
16:00	<b>Radiation damping effects in high intensity laser fields</b>  C. Harvey	<b>Canonical quantization of macroscopic electromagnetism and the Casimir effect</b>  T. Philbin	<b>Energy-Momentum Tensors with Worldline Numerics</b>  M. Schafer
16:30	<b>QED processes in intense laser fields</b>  A. Ilderton	<b>Casimir effect -- algebraic perspective</b>  A. Herdegen	<b>The Casimir effect with nanostructured surfaces</b>  R. Guerout
17:00	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
17:30	<b>Optical probes of the quantum vacuum - the photon polarization tensor in external fields</b>  F. Karbstein	<b>Negative Casimir Entropy between spheres</b>  P. Rodriguez-Lopez	<b>Electrostatic Patch Effects in Casimir Force Measurements</b>  R. Behunin
18:00	<b>Generalizations of the Heisenberg-Euler energy to strong electric fields</b>  S. Gavrilov	<b>Numerical computation of Casimir forces via stochastic quantization</b>  R. Soto	<b>Feynman graphs for dispersion forces with excited molecules</b>  H. Haakh
18:30	<b>Creation of Neutral Fermions by Magnetic Barriers</b>  T. Adorno	<b>The Casimir Effect for Conical Pistons</b>  G. Fucci	<b>Quantum friction: polarisation vectors near surfaces</b>  G. Pieplow



## Friday, September 23

Hour	ROOM A	ROOM B	ROOM C
15:30	<b>Interference Effects in Vacuum Pair Production in Time Dependent Laser Pulses</b> C. Dumlu	<b>Modal approach to Casimir forces</b> F. Intravaia	<b>Effective actions of magnetic flux tubes</b> D. Mazur
16:00	<b>Near Field Heat Transfer for Anisotropic Media</b> F. Da Rosa	<b>Significance of many-body contributions to Casimir energy</b> K. V. Shajesh	<b>The electromagnetic vacuum of random media</b> M. Donaire
16:30	<b>A New Perspective on Path Integral Quantum Mechanics in Curved Space-Time</b> D. Singh	<b>Casimir pressure in MDS-structures</b> V. Yurova	
17:00	<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>