



Monday, September 19

Hour	ROOM A	ROOM B	ROOM C
15:30	Precision Measurement of the Casimir Force Gradient Using a Dynamic AFM U. Mohideen	Covariant Lagrange multiplier constrained higher derivative gravity with scalar projectors S. Nojiri	Aharonov-Bohm effect in scattering of quasiclassical particles Y. Sitenko
16:00	The MIR experiment: towards an in-vacuum detection of the Dynamical Casimir Effect F. DellaValle	Massive, massless and ghost modes of gravitational waves from higher-order gravity S. Capozziello	Domain Walls and other Solitons in Four-Fermi Lifshitz Type QFTs in 4d J. Feinberg
16:30	Casimir force in silicon micro- and nano-structures H. B. Chan	Yang-Mills condensates in cosmology D. Gal'tsov	The Casimir effect for parallel plates involving massless Majorana fermions and the renormalized Casimir energy H. Cheng
17:00	Coffee Break	Coffee Break	Coffee Break
17:30	Quantum piston with non-ideal dispersive interface. C. Villareal	Quasiblack holes and entropy of black holes O. Zaslavskii	Fermion Determinant in non-Abelian radial Backgrounds H. Min
18:00	Time-dependent Robin boundary conditions in the dynamical Casimir effect C. Farina	Modified Dispersion Relations: from Black – Hole Entropy to the Cosmological Constant R. Garattini	Casimir effect of Proca fields L. P. Teo
18:30	Quantum dissipative effects on imperfect moving mirrors F. D. Mazzitelli	Awaking the vacuum in relativistic stars W. Lima	Temperature independent Casimir-Polder forces: thermal non-equilibrium and arbitrary geometry 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	Coffee Break	Coffee Break	Coffee Break
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	The Euler-Heisenberg Lagrangian beyond one-loop C. Schubert	Phase diagram and thermodynamics for asymmetric planar fermionic systems in the presence of external fields R. Ramos	Development of a high-sensitivity torsion balance to study the thermal Casimir force W. J. Kim
16:00	Radiation damping effects in high intensity laser fields C. Harvey	Canonical quantization of macroscopic electromagnetism and the Casimir effect T. Philbin	Energy-Momentum Tensors with Worldline Numerics M. Schafer
16:30	QED processes in intense laser fields A. Ilderton	Casimir effect -- algebraic perspective A. Herdegen	The Casimir effect with nanostructured surfaces R. Guerout
17:00	Coffee Break	Coffee Break	Coffee Break
17:30	Optical probes of the quantum vacuum - the photon polarization tensor in external fields F. Karbstein	Negative Casimir Entropy between spheres P. Rodriguez-Lopez	Electrostatic Patch Effects in Casimir Force Measurements R. Behunin
18:00	Generalizations of the Heisenberg-Euler energy to strong electric fields S. Gavrilov	Numerical computation of Casimir forces via stochastic quantization R. Soto	Feynman graphs for dispersion forces with excited molecules H. Haakh
18:30	Creation of Neutral Fermions by Magnetic Barriers T. Adorno	The Casimir Effect for Conical Pistons G. Fucci	Quantum friction: polarisation vectors near surfaces G. Pieplow



Friday, September 23

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