

Sixteenth Marcel Grossmann Meeting

Tuesday, 6 July 2021

Strong Electromagnetic and Gravitational Field Physics: From Laboratories to Early Universe: Block 1 (09:30 - 12:30)

-Conveners: She-Sheng Xue; Sang Pyo Kim; Ehsan Bavarsad

time	[id] title	presenter
09:30	[291] On the origin of the LIGO "mystery" noise and the high energy particle physics desert	AFSHORDI, Niayesh
09:50	[1009] Tadpole contribution to magnetic photon-graviton conversion	SCHUBERT, Christian KARBSTEIN, Felix
10:10	[83] Perspectives of measuring gravitational effects of laser light and particle beams	SPENGLER, Felix
10:25	[327] Particle creation by strong fields and quantum anomalies	Prof. NAVARRO-SALAS, Jose
10:45	[85] Why quantum field theory in curved space--time is very far from being well understood	Prof. AKHMEDOV, Emil
11:05	[108] Most Reliable Strong and Electroweak Evolution	TAWFIK, Abdel Nasser
11:20	[121] Neutral Fermion pair production by Sauter-like magnetic step	ADORNO, Tiago HE, Zi Wang
11:35	[734] Experimental Observation of Acceleration-Induced Thermality	Dr LYNCH, Morgan H.
11:50	[772] Breaking of adiabatic invariance in the production of particles by strong fields	BELTRÁN-PALAU, Pau
12:05	[1020] Amplifying the entanglement of detectors around rotating BTZ black holes	ROBBINS, Matthew HENDERSON, Laura MANN, Robert
12:20	[944] The Validity of the Semiclassical Approximation in 1+1 Electrodynamics: Numerical Solutions to the Linear Response Equation	Mr NEWSOME, Ian M.

Friday, 9 July 2021

Strong Electromagnetic and Gravitational Field Physics: From Laboratories to Early Universe: Block 2 (06:30 - 09:30)

-Conveners: She-Sheng Xue; Ehsan Bavarsad; Sang Pyo Kim

time	[id] title	presenter
06:30	[182] Gravitational properties of laser light	RÄTZEL, Dennis
06:50	[490] Laboratory-based intense gamma-ray and lepton beams for strong-field QED and laboratory astrophysics	Dr TAMBURINI, Matteo
07:10	[124] Vacuum instability effects in strong field QED with asymmetric electric field of analytic form	Mr BREEV, Alexandr
07:30	[321] Magnetic field screening in strong crossed electromagnetic fields	CAMPION, Stefano
07:45	[402] New partial resummation of the QED effective action	PLA GARCIA, Silvia
08:00	[947] On Kerr black hole perfect MHD processes in Doran coordinates	CHERUBINI, Christian
08:20	[729] Electromagnetic and gravitational radiation from particles in intense electromagnetic fields	AUDAGNOTTO, giulio
08:40	[380] Constraints on the non-minimal coupling of Electromagnetic fields from astrophysical observations	JANA, SUSMITA
08:55	[731] Does a detector detect soft photons?	KOLEKAR, Sanved
09:10	[802] Dynamics of relativistic electron in non-uniform magnetic field and its applications in astrophysics and quantum computing	AGGARWAL, Srishty