

Probing strong-field QED in electron-photon interactions

Wednesday 22 August 2018

Physics case - Sem Rm 4 (13:45 - 17:55)

-Conveners: Thomas Heinzl; Andreas Ringwald

time	[id] title	presenter
13:45	[7] Trident Pair Production in Laser Fields	Mr TORGRIMSSON, Greger
14:05	[8] Laser-Assisted Breit-Wheeler and Schwinger Pair Production	Prof. KAEMPFER, Burkhard
14:25	[27] Next great challenge beyond SLAC E144: probing a fully non-perturbative QED with electron-laser interaction	Dr FEDOTOV, Alexander
14:45	[29] QED processes at high intensities	BULANOV, Stepan
15:05	[31] Quantum radiation reaction, e^+e^- pair production and acceleration in laser-electron beam scattering configurations	VRANIC, Marija
15:25	[33] Nonlinear trident pair production in an arbitrary plane wave: a focus on the properties of the transition amplitude	MACKENROTH, Felix
15:45	Coffee	
16:15	[9] Giant energy transfer from an electron bunch to a photon beam mediated by radiation reaction	TAMBURINI, Matteo
16:35	[10] Massive scalar and pseudoscalar production in electron-laser collisions	Dr KING, Ben
16:55	[11] Laser-Matter Interactions at High Intensity: Theoretical Challenges	MARKLUND, Mattias
17:15	[13] All optical signatures from the quantum vacuum	GIES, Holger
17:35	[32] Relevance of laser-based experiments for probing hidden particles	Dr VILLALBA-CHAVEZ, Selym