

Yearly Meeting, Danish Physical Society, 6th - 7th of June 2016

Preliminary program

Format of talks:

Contributed talks: 15 minutes + 5 minutes questions

Invited talks: 25 minutes + 5 minutes questions

First speaker of a session acts as chair for that session; 2nd speaker acts as chair for first speaker

Time	Plenary	Session I	Session II	Session III
MONDAY 6/6				
1200	Lunch			
1300	Welcome			
1315	Invited, Lars Buchhave (KU) <i>From counting to characterizing: The new era of small exoplanet characterization</i>			
1345	Invited, Georg Bruun (AU) <i>Few-body precursor of the Higgs mode in a superfluid Fermi gas</i>			
		X-rays	Bio	Particle physics
1430		Invited, Jens Wenzel Andreasen (DTU-E) <i>Imaging Structure Formation in Energy Materials by in situ X-ray Scattering and Ultra-high Resolution Tomography</i>	Invited, Kaare Jensen (DTU-F) <i>Biomimetic models of sugar transport in plants</i>	Welcome by NICE Chairman, Jens Jørgen Gårdhøje Invited, Mads Frandsen (SDU) <i>Hints Beyond the Standard Model from LHC and Interpretations</i>

1500		Contr., Hugh Simmons (DTU-F) <i>Mapping ferroelectric domains with dark-field x-ray microscopy</i>	Contr., Claus Nielsen (SDU) <i>From birds to molecules and beyond: the dawn of quantum biology</i>	
1520		Contr., Diana B. Zederkof (DTU-F) <i>Analysis of [Ru(bpy)3]2+ data from XFEL experiments</i>	Contr., Caro Carissemoux (DTU-Ph) <i>Investigating cell sorting and analysis of the proprietary cell-BOCS platform</i>	Contr., Geert-Jan Besjes (KU) <i>Searches for squark- and gluino-production with the ATLAS experiment</i>
1540				Contr., Denis Hove (AU) <i>Structure and decay at rapid proton capture waiting points</i>
1600	Coffee			
		Light & Energy	The Universe	Particle&Nuclear Physics
1615		Invited, Brian Seeger (DTU-F) <i>Photocatalytic water splitting- The advantages of using a 2-photon tandem approach.</i>	Invited, Simon Albrecht (AU) <i>Exoplanet research at the Stellar Astrophysics Centre at Aarhus University</i>	Contr., Jonas Refsgaard (AU) <i>Beta decay spectroscopy on 12C</i>
				Contr., Morten Medici (KU) <i>Dark matter searches with IceCube</i>
1645		Invited, Morten Bache (DTU-Ph) <i>Ultrafast mid-infrared laser pulses: enabling new frontiers in science</i>	Contr., Svend Rugh (Symposion) <i>Limits of Time in Cosmology</i>	Contr., Oliver Kirsebom (AU) <i>Towards an experimental determination of the transition strength between the ground states of 20F and 20Ne</i>
1705		Contr., Andrea Cazzaniga, (DTU-Ph) <i>Material transfer in Pulsed Laser Deposition of the solar cell materials Cu2SnS3 and Cu2ZnSnS4</i>	Invited, Christian Brinch (KU) <i>How can planets survive binary star formation? -A case of misaligned, warped disks, and twisted outflows</i>	Contr., Christian Bierlich (LU) <i>Heavy Ions: A new territory for general purpose event generators</i>
1725		Contr., Oleg Lysenko (DTU-Ph), <i>Effective third-order nonlinearity of plasmonic waveguides for ultrashort laser pulses</i>	Invited, Jesper Olsen (AU) <i>Accelerator mass spectrometry and cosmogenic isotopes – what do they tell us</i>	Contr., You Zhou (KU) <i>Recent azimuthal correlation measurements in ALICE</i>
1745		Contr., Jesper Rasmussen (DTU-F) <i>Hot enough for you? Monitoring the health of a nuclear fusion plasma</i>		Contr., Esben Mølgaard (SDU) <i>Beta functions and conformal windows in gauge-Yukawa theories</i>
1815	Dinner w. wine			
1930	After-dinner talk Helge Kragh (AU) <i>Einstein, and the Theory of</i>			

	<i>General Relativity</i>			
2030	Poster Session, beer, socializing&mingling			
TUESDAY 7/6	Plenary	Session I	Session II	Session III
0800	Breakfast			
0900	Invited, Thomas S. Jespersen (KU) <i>Superconducting Semi-conductors</i>			
		Nanomaterials	Materials	Particle Physics
0945		Invited, Cathrine Frandsen (DTU-F) <i>Nano-scale engineering of new magnetic materials</i>	Invited, Nicolas Bailey (RUC) <i>Roskilde simple liquids: implications of hidden scale invariance for liquid dynamics, melting line and crystallization kinetics</i>	Contr., Martin Hansen (SDU) <i>The Sextet Model</i> Contr., Alejandro Alonso (KU) <i>Tracking and PID in ATLAS</i>
1015		Invited, Thomas Hansen (DTU-CEN) <i>Environmental Transmission Electron Microscopy: Short Stories</i>	Contr., Sonja R. Ahl (DTU-F) <i>Quantifying the onset of recrystallization in deformed metals using x-rays</i>	Contr., James Monk (KU) <i>Using Wavelets to Improve Measurements of Proton-Proton Collisions at the LHC</i>
1045		Contr. Matthias Kure, (DTU-F) <i>Magnetic dipolar structures of small nanoparticle clusters</i>	Contr., Ulf Pedersen (RUC) <i>Analytical theory of freezing and melting</i>	Contr., Freja Thoresen (KU) <i>Wavelet Denoising of data taken at the LHC at CERN</i>
1105	Coffee			
1115	Invited, Leif Katsuo Oxenløwe, (DTU-Ph) <i>Ultrafast optical communication using optical time lenses and non-linear optical chips</i>			
1145	General assembly of DFS; Prizes to best Poster/talk (3000/5000 DKK)			
1230	Lunch and departure			