

LION Science Day - September 11, 2018 - De Sitterzaal

Timeslot	Speaker	Title lecture
10:00	Jan Aarts	Welcome –intro
10:10	Tom O'Brien	"Algorithms and experiments for near-term quantum computers"
10:30	Tjerk Oosterkamp	"Looking for experiments that may probe whether Quantum Mechanics comes to an end"
10:50	Daniela Kraft	"A very Dutch take on self-assembly"
11:10	Michel Orrit	"Single molecules and single nanoparticles in the spotlight"
11:30 -11:50	Coffee break	
11:50	Luca Giomi	"Soft matter physics: how weird can a fluid be?"
12:10	Martina Huber	"Physics for spaghetti-like proteins: From spins to structure"
12:30	Michiel de Dood	"Quantum detectors"
12:50	Jan van Ruitenbeek	"Electrons in lower dimensions: research and applications"
13:10 – 14:00	Lunch break	
14:00	Koenraad Schalm	"Applied String Theory: bringing holography to the lab"
14:20	John van Noort	"Physics of our genome"
14:40	Youri Wondergem	"Biophysics of intracellular transport and cell motility"
15:00	Milan Allan	"Visualizing quantum mechanical waves in strange electronic liquids"
15:20-15:40	Coffee break	
15:40	Kyrylo Bondarenko	"Elementary particles and the Universe as a whole: what do we know and what's next?"
16:00	Johannes Jobst	"Electron microscopy beyond imaging: probing the local band structure with low-energy electrons"
16:20	Wolfgang Löffler	"Quantum optics with quantum dots, cavities, and mechanical oscillators"
16:50	Thomas Schmidt	"How Physics May Contribute to Our Understanding of Cancer"
17:15	Borrel	