

PARALLEL SESSION 4 (FRIDAY, MARCH 31ST - 10:30-12:30)				ROOM
SESSION NAME	TIME	PRESENTER	TITLE OF ORAL PRESENTATION	Riffi
Diversity in Physics	10:30-12:30		Self-moderated Panel Discussion	
Astrophysics and Space Physics II				Duetto 1
	10:30-10:45	V.-V. Linho	Determination of the magnetic twist in solar magnetic flux ropes	
SESSION CHAIR	10:45-11:00	D.J. Price	MAFIAT: Magnetic Field Analysis Tool	
Dr. Mika Juvela	11:00-11:15	C. Sishtla	Modelling the interaction of Alfvénic fluctuations with coronal mass ejections in the low solar corona	
	11:15-11:30	-	-	
	11:30-11:45	Zhang	Observing the Sun with the largest low-frequency radio telescope	
SESSION CHAIR	11:45-12:00	E. Mannfors	Interstellar filament morphology and fragmentation in Orion molecular cloud	
	12:00-12:15	M. Juvela	Analysis of observations of thermal dust emission: the complexity of the modified blackbody function	
	12:15-12:30	CD.C. Hopper	Lyman- α constraints on non-standard dark matter	
Particle physics and the Standard Model				Riffi
	10:30-10:45	T. Kallio	Towards an unbiased flow measurements in LHC pp collisions	
SESSION CHAIR	10:45-11:00	J. Laulainen	Multi-jet merging in deep inelastic scattering with Pythia	
Prof. Aleksi Vuorinen	11:00-11:15	M. Virta	Improving Bayesian parameter estimation with the latest RHIC and LHC data including a new initial conditions model	
	11:15-11:30	T. Kärkkäinen	Flavour-universal NSI and light mediators	
	11:30-11:45	A. Kormu	Real scalar phase transitions: bubble nucleation, nonperturbatively	
	11:45-12:00	H. Parkkinen	Neutrino density matrix formalism derived from Kadanoff-Baym equations	
Quantum Devices and Information				Duetto 2
	10:30-10:45	Y. Chaudhry	Superconductin quantum light-emitting diodes using two-dimensional material superlattices	
SESSION CHAIR	10:45-11:00	K. Kohopää	Ion Irradiation as a wafer-scale method for amorphizing superconducting thin films	
Dr. Matias Koivurova	11:00-11:15	M. Niedermeier	Tensor-network simulations of noisy quantum computers	
	11:15-11:30	M. Rasola	Optomechanical systems as quantum heat engines	
	11:30-11:45	A. Ruhtinas	Novel superconducting devices using high quality epitaxial niobium titanium nitride	
	11:45-12:00	Timm Mörstedt	Fast qubit reset with a quantum-circuit refrigerator	
	12:00-12:15	V. Vadimov	Non-Markovian quantum input-output theory based on hierarchical equation of motion	