



November 2, 2018

List of posters

1.	Alison Mitchell	Very High Energy Gamma-ray Astronomy and the Cherenkov Telescope Array (CTA)	Experimental Astroparticle Physics - CTA	Prof. Canelli
2.	Vadym Denysenko	LHCb upgrades	Particle Physics Experiment - LHCb	PD Steinkamp
3.	Annarita Buonauro	SHiP: an experiment to search for Hidden Particles	Particle Physics Experiment - SHiP	Prof. Serra
4.	Olaf Steinkamp	The mu3e experiment and its pixel	Particle Physics Experiment - Mu3e	PD Steinkamp
5.	Davide Lancieri	Machine learning at LHCb	Particle Physics Experiment - LHCb	Prof. Serra
6.	Michele Atzeni	Lepton flavour universality tests at LHCb	Particle Physics Experiment - LHCb	Prof. Serra
7.	Giorgia Rauco	Dark Matter searches with the CMS experiment	Particle Physics Experiment - CMS	Prof. Canelli
8.	Arash Jofrehei	The CMS Pixel Phase 2 Upgrade for HL-LHC	Particle Physics Experiment - CMS	Prof. Kilminster
9.	Pascal Bäertschi	Resonant diboson production searches in boosted topology at CMS	Particle Physics Experiment - CMS	Prof. Kilminster
10.	Vinicius Mikuni	ttbb measurements in the all hadronic channel	Particle Physics Experiment - CMS	Prof. Canelli
11.	Federico Buccioni	LHC Precision Phenomenology with Open Loops	Particle Physics Theory,	Prof. Pozzorini
13.	Xuan Chen	Higgs Boson Transverse Momentum Spectrum at the LHC	Particle Physics Theory	Prof. Gehrmann
14.	Frank Schindler	Higher-Order Topological Insulators	Condensed Matter Theory	Prof. Neupert
15.	Kenny Choo	Entanglement Spectroscopy on IBM Quantum Computer	Condensed Matter Theory	Prof. Neupert
16.	Seulgi Ok	Exact scar state with topological properties	Condensed Matter Theory	Prof. Neupert
17.	Lara Selvaggi	CAARMA: a magnetic tweezer for biological applications	Disordered And Non-Equilibrium Soft-Matter	Prof. Aegerter
18.	Umar Bashir Ganie	Double-perovskite La <sub>2</sub> NiMnO <sub>6</sub> thin films grown by RF sputtering	Oxide Interface Physics	Prof. Gibert
19.	Gabriele de Luca	Oxide Interface Physics	Oxide Interface Physics	Prof. Gibert
20.	Paule Dagenais	Functional role of hydrodynamics in development and regeneration of the zebrafish caudal fin	Disordered And Non-Equilibrium Soft-Matter	Prof. Aegerter
21.	Archana Malavalli	Structured Illumination Microscopy behind Turbid Media	Disordered And Non-Equilibrium Soft-Matter	Prof. Aegerter

22.	Javier Mazzitelli	Double Higgs production and the Higgs self-coupling	Particle Physics Theory	Prof. Grazzini
23.	Yanina Biondi	Xenoscope: Towards DARWIN - the Ultimate Dark Matter Detectors	Experimental Astroparticle Physics - Darwin	Prof. Baudis
24.	Frédéric Girard	Upgrade of the Xurich-II TPC with SiPM arrays	Experimental Astroparticle Physics - Xenon	Prof. Baudis
25.	Chiara Capelli	Dark Matter detection with XENON1T	Experimental Astroparticle Physics - Xenon	Prof. Baudis
26.	Steven Lee	Dark Matter In CCDs at Modane (DAMIC)	Dark Matter	Prof. Kilminster
27.	Adrian Boitier	Gravitational Waves I	Gravitation and Astrophysics	Prof. Jetzer
28.	Adrian Boitier	Gravitational Waves II	Gravitation and Astrophysics	Prof. Jetzer
29.	Patrick Forrester	Probing the zero field evolution of single atom magnets	Quantum Matter Physics	Prof. Natterer
30.	Fabian Natterer	Building a Lab for Single Atom Electron Spin Resonance	Quantum Matter Physics	Prof. Natterer
31.	Kevin Kramer	Comprehensive ARPES and DFT study of overdoped single-layer cuprates	Quantum Matter Physics	Prof. Chang
32.	Adrian Epprecht	Single layer boron nitride growth and transfer on a 4 inch wafer scale	Surface Physics	Prof. Osterwalder
33.	Lisa Grad	Model Systems for Photocatalytic Water Splitting	Surface Physics	Prof. Osterwalder
34.	Pascal Hauri	Whole-Body Dose in Radiotherapy: Modeling and Measurements	Medical Physics and Radiation Research	Prof. Schneider
35.	Fabiano Vasi	Development of a Track Imaging Detector	Medical Physics and Radiation Research	Prof. Schneider
36.	Uwe Schneider	Radiation Research and Medical Physics: Current research topics	Medical Physics and Radiation Research	Prof. Schneider
37.	Silvia Fabiano	Optimization of Multi-Modality Proton-Photon Treatments	Medical Physics	Prof. Unkelbach
38.	Diem Vuong	Medical imaging based biomarker to predict overall survival of lung cancer patients	Medical Physics	Prof. Unkelbach
39.	Chloe Ransom	New Results from the Gerda neutrinoless double-beta decay search	Experimental Astroparticle Physics - Gerda	Prof. Baudis
40.	Philipp Denzel	Pictures of Dark Matter through Gravitational Lenses	Gravitation and Astrophysics	Prof. Saha