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Advanced Workshop on Accelerating the Search for Dark Matter with Machine Learning | (smr 3280)

Thursday 11 April 2019

Thursday, 11 April 2019 - DIRECT DETECTION - Adriatico Guest House - Kastler Lecture Hall
(09:00-17:50)

time	title	presenter
09:00	Overview of direct detection challenges	JELLE AALBERS
09:45	Information field theory	TORSTEN ENSSLIN
10:30	Coffee Break	
11:00	Bayesian Tools for Dark Matter Searches	ROBERTO TROTTA
11:45	Likelihood-free Markov chain Monte Carlo with Approximate Likelihood Ratios	JOERI HERMANS
12:05	Noisy-input classification of Fermi-LAT unidentified point-like sources	BRYAN ZALDIVAR MONTERO
12:20	DM & CTA	SALVATORE MANGANO
12:35	Lunch Break	
14:20	An application of unsupervised learning method in HEP data analysis	YING-YING LI
14:35	Tagging jets with LDA topic models	BARRY DILLON
14:50	Search for patterns in physics: from particles to dark matter	JOSUE MOLINA RODRIGUEZ
15:05	Elementary particle based models for Dark Matter on galaxy scales	CARLOS ARGÜELLES
15:20	Bayesian reconstruction of the Milky Way dark matter distribution	EKATERINA KARUKES
15:35	Status of challenges + Brainstorming	
16:20	Coffee Break	
16:50	Work in groups	