



# Dark Matter @ LHC 2018 (#DMLHC2018)

## Thursday 5 April 2018

### Open Session A): #1 - Main lecture room (HS I) (14:00 - 16:00)

-Conveners: Greg Landsberg; Michael Kramer

time	[id] title	presenter
14:00	[57] Consistent Models of Dark Matter at the LHC	TENORTH, Valentin
14:15	[89] Search for dark matter (DM) production in association with a leptonically decaying Z boson with the ATLAS detector	ANELLI, Christopher Ryan
14:30	[51] Search for Dark Matter in association with a hadronically decaying Z' vector boson with the ATLAS detector	BARNES, Sarah Louise
14:45	[54] Mono-X Signals from Initial States and Decays	BERNREUTHER, Elias
15:00	[70] Search for dark matter in the channel of Mono-H( $\gamma\gamma$ ) at the ATLAS experiment and truth-level reweighting	BJOERKE, Kristian
15:15	[66] Hunting the dark Higgs	DUERR, Michael
15:30	[52] Interpretation of searches for Dark Matter produced in association with a hadronically decaying Standard Model boson at ATLAS	SUCHEK, Stanislav
15:45	[72] The $h(bb) +$ missing transverse momentum signature in the 2HDM + pseudoscalar simplified model	HENKELMANN, Lars

### Open Session A): #2 - Main lecture room (HS I) (16:30 - 18:30)

-Conveners: Greg Landsberg; Michael Kramer

time	[id] title	presenter
16:30	[40] Prospects of Higgs portal DM models at future colliders	LI, Jinmian
16:45	[71] Jet substructure tools for probing low-mass hadronic resonances at ATLAS	SAHINSOY, Merve
17:00	[78] CMS searches for dark matter in events with highly-boosted resonances, using substructure and b-tagging techniques	NARAYANAN, Siddharth M
17:15	[44] Probing the Pseudoscalar portal to Dark Matter: From the LHC to the Galactic Centre Excess	TUNNEY, Patrick
17:30	[74] Search for dark matter mediators using a Trigger-Object Level Analysis with the ATLAS detector	ANTEL, Claire
17:45	[100] LHC sensitivity for non-thermalised hidden sectors	KAHLHOEFER, Felix
18:00	[102] No talk	