

Group A Thoughts

Michael Kramer & Greg Landsberg

Group A Presentations

- Excellent speakers, excellent talks!

14:00	Consistent Models of Dark Matter at ... <i>Valentin Tenorth</i>	Prospects of Higgs portal DM models at fut... <i>Jinmian Li</i>
	Search for dark matter (DM) production in association with a leptonically dec...	Jet substructure tools for probing ... <i>Merve Sahinsoy</i>
	Search for Dark Matter i... <i>Sarah Louise Barnes</i>	17:00 CMS searches for dark matter in events with highly-boosted resonances, using...
	Mono-X Signals from Initial State... <i>Elias Bernreuther</i>	Probing the Pseudoscalar port... <i>Patrick Tunney</i>
15:00	Search for dark matter in the chan... <i>Kristian Bjoerke</i>	Search for dark matter mediators using a Tri... <i>Claire Antel</i>
	Hunting the dark Higgs <i>Michael Duerr</i>	LHC sensitivity for non-thermalised ... <i>Felix Kahlhoefer</i>
	Interpretation of searches for Dar... <i>Stanislav Suchek</i>	
	The $h(bb) +$ missing transve... <i>Lars Henkelmann</i>	

Random Thoughts – Not Necessarily Group A

- Simplified models – quo vadis?
 - Do we really need UV complete them?
 - Time to move benchmarks?
 - Cf. new ATLAS $Z'(qq) + ME_{\tau}$ search
 - Useful benchmarks or “das Glasperlenspiel”?
- 2HDM – how many do we need?
 - 2HDM+s, 2HDM+a, 2HDM+X ...
- New techniques:
 - Jet substructure
 - DM + long-lived signatures
- Beyond WIMPs
 - How to better connect these models with LHC signatures?
- Flavor and DM – Group B?