

# **ATLAS-Heidelberg Meeting @ Trifels 2017**

**Thursday, 15 June 2017 - Friday, 16 June 2017**

**Kurhaus Annweiler/Trifels  
Programme**

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## Thursday 15 June 2017

### Dark Matter: Searches (10:30-12:30)

-Conveners: Rainer Stamen

time	[id] title	presenter
10:30	[41] Search for Dark Matter production in association with a Higgs boson decaying into a pair of b-quarks: sensitivity optimisations	NARRIAS VILLAR, Daniel Isaac
11:00	[42] Mono-Higgs to bb search for Dark matter: limits with reduced model-dependence	SUCHEK, Stanislav
11:30	[43] Searching for Dark Matter in a ratio measurement of Z decaying to leptons (MET+jets)	SPIEKER, Thomas Malte
12:00	[44] MET+jets cross-section measurement: backgrounds and analysis optimization	GEISLER, Manuel Patrice

### Dark Matter: Theoretical Aspects (14:00-15:30)

-Conveners: Oleg Brandt

time	[id] title	presenter
14:00	[45] Two Higgs doublet model - A benchmark for new signatures	HENKELMANN, Lars
14:30	[46] Simulating Dark Matter searches	THOMPSON, Jennifer
15:00	[47] Searches for invisible Higgs decays in associated Zh production and weak boson fusion	BIEKOETTER, Anke

### Social event: City tour Annweiler (15:50-17:45)

-Conveners: Julia Isabell Djuvsland

### Unfolding and Measurements (17:45-19:15)

-Conveners: Pavel Starovoitov

time	[id] title	presenter
17:45	[48] Iterative unfolding	BARTELS, Falk
18:15	[49] Fully bayesian unfolding for all hadronic $\sigma_{\bar{t}t}$ cross section measurement	FERREIRA DE LIMA, Danilo Enoque
18:45	[50] Differential all hadronic $\sigma_{\bar{t}t}$ cross section with the HEPTopTagger	BOLZ, Arthur

### After Dinner: History of CERN (20:30-21:30)

-Conveners: Andre Schoening

time	[id] title	presenter
20:30	[51] The history of CERN	SCHULTZ-COULON, Hans-Christian

## Friday 16 June 2017

### **Resonance Searches and Standard Model (09:00-10:30)**

-Conveners: Danilo Enoque Ferreira De Lima

time	[id] title	presenter
09:00	[52] Data driven background estimation for the two higgs to four b-quark analysis	SAHINSOY, Merve
09:30	[53] Search for $X \rightarrow t \bar{t}$ resonances in the all-hadronic final state using the Buckets of tops method	KOLB, Mathis Simon
10:00	[54] Study of $WW\gamma$ and $WZ\gamma$ production in pp collisions at 8 TeV and search for anomalous quartic gauge couplings	BAAS, Alessandra

### **Trigger: Level-1 Calo (11:00-12:30)**

-Conveners: Victor Andrei

time	[id] title	presenter
11:00	[55] ATLAS Startup 2017: Calibration and Monitoring of Level-1 Calo Timing	NAPOLITANO, Fabrizio
11:30	[56] Pileup subtraction in Level-1 Calo	JONGMANNNS, Jan
12:00	[57] Bunch crossing identification of saturated Level-1 Calo signals	WEBER, Sebastian Mario

### **Trigger: Performance (14:00-15:30)**

-Conveners: Christoph Falk Anders

time	[id] title	presenter
14:00	[58] Trigger object level analysis	ANTEL, Claire
14:30	[59] R-Scan or commissioning track assisted subject mass	KUEHNL, Philipp