ATLAS-Heidelberg Meeting @ Trifels 2024

Report of Contributions

Contribution ID: **1** Type: **not specified**

Scattering Protons and Colliding Photons: Looking at photon-induced WW production

Thursday 18 July 2024 11:10 (25 minutes)

Presenter: SOTHILINGAM, Varsiha (Heidelberg University (DE))

Session Classification: Block I

Contribution ID: **2**   Type: **not specified**

Strong backgrounds to (electro-)weak processes −W production via vector boson fusion

Presenter: BALTES, Lisa Marie (Heidelberg University (DE))

Session Classification: Block I

Contribution ID: **3**   Type: **not specified**

The journey to 5σ –towards an observation of ZZγ production

Thursday 18 July 2024 10:20 (25 minutes)

Presenter: ACKERMANN, Anke (Heidelberg University (DE))

Session Classification: Block I

Contribution ID: 4　　　　　　　　　　　　　　　　　　Type: **not specified**

The same procedure as last year? The trigger-level analysis and bumps

Thursday 18 July 2024 11:55 (25 minutes)

Presenter:　BARTELS, Falk (Heidelberg University (DE))

Session Classification:　Block II

Contribution ID: **5** Type: **not specified**

One template to fit them all - Towards a universal fake photon background estimate

Thursday 18 July 2024 10:45 (25 minutes)

Presenter: ENGEDAL, Anniken Fronsdal (Heidelberg University (DE))

Session Classification: Block I

Contribution ID: **6**   Type: **not specified**

Signal or Noise? How to filter one from the other

Thursday 18 July 2024 14:00 (25 minutes)

Presenter: HEINTZ, Tobias Stephan (Heidelberg University (DE))

Session Classification: Block III

Contribution ID: **7**   Type: **not specified**

ML Pileup Rejection with Hits (Do we need tracking anyway?)

Thursday 18 July 2024 14:50 (25 minutes)

Presenter: BACKES, Mathias Josef (Heidelberg University (DE))

Session Classification: Block III

Contribution ID: **8**　　　　　　　　　　　　　　　　Type: **not specified**

Putting jFEX & gFEX to the test - Measuring L1Calo trigger efficiencies

Thursday 18 July 2024 12:20 (25 minutes)

Presenter:　FLEISCHLE, Felix Robin

Session Classification:　Block II

Contribution ID: **9** Type: **not specified**

Excursion & Discussion

Thursday 18 July 2024 15:45 (2h 15m)

Contribution ID: **10**   Type: **not specified**

Evening Talk

Thursday 18 July 2024 20:30 (45 minutes)

Presenter: LOCH, Peter (University of Arizona (US))

Contribution ID: **11** Type: **not specified**

Jurassic Park Project - Bringing a TRex back to Life

Friday 19 July 2024 09:00 (25 minutes)

Presenter: JUNKERMANN, Thomas (Heidelberg University (DE))

Session Classification: Block IV

Contribution ID: **12**　　　　　　　　　　　　　　　　　　　Type: **not specified**

Keeping track of a thousand triggers –The Central Trigger Processor

Friday 19 July 2024 09:25 (25 minutes)

Presenter:　SANFILIPPO, Lorenzo (Heidelberg University (DE))

Session Classification:　Block IV

Contribution ID: **13** Type: **not specified**

From Collision to Decision –the ATLAS Trigger and Event Filter system

Friday 19 July 2024 09:50 (25 minutes)

Presenter: DITTMEIER, Sebastian (Ruprecht-Karls-Universitaet Heidelberg (DE))

Session Classification: Block IV

Contribution ID: **14**　　　　　　　　　　　　　　　　　　Type: **not specified**

FPGA-based graph segmentation

Presenter:　LINKER, Tobias (Heidelberg University (DE))

Session Classification:　Block VI

Contribution ID: **15** Type: **not specified**

Retrac(k)ing our steps: track reconstruction with GNNs

Friday 19 July 2024 11:45 (25 minutes)

Presenter: HICKS, Poppy Fay (Heidelberg University (DE))

Session Classification: Block VI

Contribution ID: **16** Type: **not specified**

Triplet Track Fit Implementation on FPGAs using High-Level Synthesis

Friday 19 July 2024 11:00 (25 minutes)

Presenter: TASTEPE, Kadir Murat (Heidelberg University (DE))

Session Classification: Block V

Contribution ID: **17**   Type: **not specified**

Everything, Everywhere, 'parallel' at once

Friday 19 July 2024 12:10 (25 minutes)

Presenter: GUPTA, Sachin (Ruprecht Karls Universitaet Heidelberg (DE))

Session Classification: Block VI

Contribution ID: **18**   Type: **not specified**

Want to Accelerate Your Track Fitting? Try The General Triplet Track Fit

Friday 19 July 2024 10:35 (25 minutes)

Presenter: NANDI, Abhirikshma (Heidelberg University (DE))

Session Classification: Block V

Contribution ID: **19**   Type: **not specified**

What theorists can teach us about calorimeter calibration

Thursday 18 July 2024 14:25 (25 minutes)

Presenter: Mr VOGEL, Lorenz (Heidelberg University)

Session Classification: Block III