Session Program

27 September 2024

NGT workshop: hls4ml HEP Community Forum

User contributions

CERN, 40/S2-B01 - Salle Bohr

Friday 27 September

10:30

User contributions: NGT WP2: ATLAS
Session | **Location:** CERN, 40/S2-B01 - Salle Bohr

10:30–10:55 **ATLAS 2.1: L0 Global**

Speaker
Ioannis Xiotidis

11:00–11:25 **ATLAS 2.2: L0 Muon**

Speaker
Rimsky Alejandro Rojas Caballero

11:30–11:50 **ATLAS 2.4: Event Filter Tracking**

Speaker
Julian Wollrath

12:00

13:30

User contributions: NGT WP3: CMS
Session | **Location:** CERN, 40/S2-B01 - Salle Bohr

13:30–13:55 **CMS 3.5: L1 scouting**

Speaker
Giovanni Petrucciani

14:00–14:25 **CMS 3.6: ML objects in L1 trigger**

Speaker
Sioni Paris Summers

14:30–14:55 **CMS 3.7: Compression/Anomaly detection**

Speakers
Jennifer Ngadiuba, Maciej Mikolaj Glowacki

15:00

15:30

User contributions: Other hls4ml use cases and feature requests
Session | **Location:** CERN, 40/S2-B01 - Salle Bohr

15:30–15:40

Online track reconstruction with graph neural networks on FPGAs for the ATLAS experiment

Speakers
Santosh Parajuli, santosh parajuli

15:45–15:55 **Smart pixels with data reduction at the source**

Speaker
Jannicke Pearkes

16:00–16:10

Machine learning evaluation in the Global Event Processor FPGA for the ATLAS trigger upgrade

Speaker
Ben Carlson

16:15–16:25 **hls4ml web interface**

Speaker
Christopher Edward Brown

17:00