Session Program

25–27 Nov 2024

Next Generation Triggers 1st Technical Workshop

Work package 3

CERN, 774/R-013

Tuesday 26 November

15:20

Work package 3: Rethinking the CMS Real-Time Data Processing
Session | **Location:** CERN, 774/R-013

15:20–15:40 **Task 3.5: L1 scouting for HL-LHC**

Speaker
Matteo Migliorini

15:40–16:00 **Task 3.6: Practical real-time AI for Level 1 Trigger and L1 Scouting**

Speaker
Sioni Paris Summers

16:00–16:20

Task 3.7: L1 scouting data compression for efficient data acquisition and anomaly detection

Speaker
Jennifer Ngadiuba

16:20

Wednesday 27 November

13:30

Work package 3: Rethinking the CMS Real-Time Data Processing
Session | **Location:** CERN, 774/R-013

13:30–13:50   **Task 3.1.1: The Real-time Reconstruction Revolution (R³ – Rcube)**

Speaker
Marco Rovere

13:50–14:10   **Task 3.1.2: R³ optimized data structures for heterogeneous platforms**

Speaker
Felice Pantaleo

14:10–14:30

Task 3.2: Evolving the CMS experiment software into a client-service distributed application for HLT

Speaker
Dr Andrea Bocci

14:30–14:50   **Task 3.3: Reduction of the RAW data size for HLT**

Speaker
Silvio Donato

14:50–15:10   **Task 3.4: Optimal calibration for HLT**

Speaker
Thiago Tomei Fernandez

15:10