

TWEPP 2024 Topical Workshop on Electronics for Particle Physics

Tuesday 1 October 2024

Trigger and Timing Distribution (09:00 - 10:00)

-Conveners: Andrea Boccardi; Sophie Baron

time	[id] title	presenter
09:00	[28] High-Precision Timing Distribution for the ATLAS Phase-II Central Trigger Upgrade	CAMPLANI, Alessandra BONINI, Filiberto
09:20	[85] An FPGA-agnostic system for achieving picosecond-level phase determinism in timing distribution links for High Energy Physics Experiments	ORZES, Edoardo
09:40	[82] Phase Stability Compliancy Testing of a White Rabbit Based Solution for the LHC RF and Timing Distribution Backbone Upgrade	HAZELL, Philippa

Trigger and Timing Distribution (11:20 - 12:20)

-Conveners: Andrea Boccardi; Sophie Baron

time	[id] title	presenter
11:20	[75] System Design and Prototyping for the CMS Level-1 Trigger at the High-Luminosity LHC	SUMMERS, Sioni Paris
11:40	[49] Firmware implementation of Phase-2 Overlap Muon Track Finder algorithm for CMS Level-1 trigger	FOKOW, Piotr Andrzej

Trigger and Timing Distribution (14:00 - 15:00)

-Conveners: Sophie Baron; Cristina Fernandez Bedoya

time	[id] title	presenter
14:00	[113] FPGA implementation of the HL-LHC CMS Drift Tubes Level-1 Trigger Algorithm	NAVARRO TOBAR, Alvaro
14:20	[137] Triggering on muon showers in the Barrel Muon Trigger of the CMS experiment for the HL-LHC upgrades	PRADO PICO, Javier
14:40	[95] Design and deployment of a fast neural network for measuring the properties of muons originating from displaced vertices in the CMS Endcap Muon Track Finder	KELLING, Patrick

Trigger and Timing Distribution (16:20 - 16:40)

-Conveners: Cristina Fernandez Bedoya; Sophie Baron

time	[id] title	presenter
16:20	[157] The APx Board for the CMS Phase 2 L1 Calorimeter trigger: Testing and Performance	OJALVO, Isobel