

## **Session Program**

**20-21 Jun 2022**

### **EP R&D Day 2022-1**

#### ***Session 1 (EP R&D status, deliverables, ECFA roadmap, plans)***

CERN globe

# Tuesday 21 June

08:30

**Session 1 (EP R&D status, deliverables, ECFA roadmap, plans)**  
 Session | Location: CERN globe

08:30–09:30 **WP6 High Speed Links**

**Speaker**  
 Paulo Rodrigues Simoes Moreira

09:30–10:30 **WP5 IC Technologies**

**Speaker**  
 Kostas Kloukinas

**Subcontributions**

- WP5 Overview, Status & Plans**

**Speaker**  
 Kostas Kloukinas
- Technology evaluation and design infrastructure**

**Speaker**  
 Davide Ceresa
- IP block development**

**Speaker**  
 Franco Nahuel Bandi
- Powering Solutions**

**Speaker**  
 Stefano Michelis

10:30–10:50 **Coffee**

10:50–11:50 **WP4 Mechanics**

**Speaker**  
 Corrado Gargiulo

**Subcontributions**

- Introduction status and plan**

**Speaker**  
 Corrado Gargiulo
- Detector robotics Interfaces**

**Speaker**  
 Lorenzo Teofili

**Low mass mechanic for cryostat**

**Speaker**

Maria Soledad Molina Gonzalez

**Low mass mechanics for tracker**

**Speaker**

Massimo Angeletti

**IRIS vertex, how to get closer to the interaction point**

**Speaker**

Corrado Gargiulo

**11:50-12:50 WP8 Detector Magnets R&D**

**Speaker**

Matthias Mentink

**Subcontributions**

**Introduction and Summary**

**Speaker**

Benoit Cure

**Future plans**

**Speaker**

Matthias Mentink

**Status report on HTS cable and related activities for future detector magnets**

**Speaker**

Anna Vaskuri

**Status report on the new 4-T magnet facility, advanced magnet powering and 3D printed cryogenic materials**

**Speaker**

Shuvay Singh

**12:50-13:50 Lunch**

**13:50-14:50 WP2 Gas Detectors**

**Speaker**

Eraldo Oliveri

**Subcontributions**

**Overview, status and plans**

**Speakers**

Eraldo Oliveri, Christoph Rembser

**PICOSEC multipad micromegas**

**Speaker**

Antonija Utrobicic

**Studies on the performance of RPCs operated with R-1234ze gas mixtures**

**Speaker**

Gianluca Rigoletti

**Signal formation in detectors with resistive elements**

**Speaker**

Djunes Janssens

14:50-15:20

**Quantum Sensors**

**Speaker**

Michael Doser

15:20-15:50

**Discussion**

15:50-16:10

**Coffee**

17:45