

Session Program

4-6 Mar 2026

DRD5 Collaboration meeting

DRD5

CERN, 40/S2-B01 - Salle Bohr

Wednesday 4 March

09:10

DRD5: WP-2

Session | **Location:** CERN, 40/S2-B01 - Salle Bohr | **Conveners:** Christophe Dujardin, Anna Paola Caricato

09:10–09:40 WP-2 status report

Speakers

Anna Paola Caricato, Christophe Dujardin, Etienne Auffray Hillemanns

09:40–10:10 Updates from November 2025 workshop

Speakers

Anne-Mazarine Lyon, Yacine Haddad

10:10–10:30 LPU activities on quantum dots synthesis and characterization

Speaker

Mriganka Mouli Mondal

11:00

11:20

DRD5: WP-3

Session | **Location:** CERN, 40/S2-B01 - Salle Bohr | **Conveners:** Dr Loredana Gastaldo, Andrea Giachero

11:20–11:50 Status report WP-3

Speakers

Andrea Giachero, Dr Loredana Gastaldo

11:55–12:25 Superconducting Nano/microwire Single Photon Detectors in Italy

Speakers

Andrea Giachero, Francesco Mattioli, Dr Loredana Gastaldo

12:30–13:00

preliminary results using Time Dependent Ginzburg Landau simulations taking advantage of the FEniCS framework and progress on electronics

Speakers

Evangelos Leonidas Gkougkousis, Dr Vagelis Gkougkousis

13:00

14:00

DRD5: WP-1

Session | **Location:** CERN, 40/S2-B01 - Salle Bohr | **Conveners:** David Hume, Elina Fuchs

14:00–14:30 Status report WP-1

Speakers

David Hume, Elina Fuchs

14:35–15:05 Quantum Networks

Speaker

Dr Raghu Srinivas

15:10–15:40 Discussion: database, public codes, theory-experiment

15:40

Speakers

Elina Fuchs, David Hume

Thursday 5 March

09:00

DRD5: WP-4

Session | **Location:** CERN, 40/S2-B01 - Salle Bohr | **Conveners:** Sofia Qvarfort, Dr Gerard Higgins

09:00–09:10 **WP4 short introduction**

Speaker

Sofia Qvarfort

09:10–09:30

Hendrik Ulbricht: Testing Fundamental Physics by Levitated Mechanics

Speaker

Prof. Hendrik Ulbricht

09:30–09:50

Louis Hamaide: Searching for Ultralight Dark Matter with MOLeQuTE

Speaker

Dr Louis Hamaide

09:50–10:10

Bin Xu: Distributed quantum sensing for ultralight dark matter

Speaker

Dr Bin Xu

10:10–10:30

Eva Kilian-Rademacher

Speaker

Dr Eva Kilian-Rademacher

11:00

14:20

DRD5: WP-5

Session | **Location:** CERN, 40/S2-B01 - Salle Bohr | **Conveners:** Alberto Marino, Yevgeny Stadnik

14:20–14:30 **WP-5: Quick Introduction**

Speakers

Alberto Marino, Yevgeny Stadnik

14:30–15:00

Contribution 1: Sub-SQL Particle Detection Techniques

Speaker

Daniel Carney

15:00–15:30

Contribution 2: Towards Spin Squeezing of Macroscopic Nuclear Spin Ensembles

Speaker

Alexander Sushkov

15:30

16:00

DRD5: WP-5

Session | **Location:** CERN, 40/S2-B01 - Salle Bohr | **Conveners:**
Dr Yevgeny Stadnik, Alberto Marino, Alberto Marino, Yevgeny Stadnik

16:00–16:30

Contribution 3: Quantum Limits to Sensing of Magnetic and Magnetic-Like Fields

16:30

Speaker
Morgan Mitchell

Friday 6 March

09:00

DRD5: WP-6

Session | **Location:** CERN, 40/S2-B01 - Salle Bohr | **Conveners:** Georgy Kornakov, Rajdeep Mohan Chatterjee

09:00–09:20 **master program at NTNU**

Speaker

Thomas Tybell

09:20–09:40 **Microcredential programs in the European educational system**

Speaker

Maja Mackowiak-Pawlowska

09:40–10:00 **Report on activities**

Speakers

Georgy Kornakov, Rajdeep Mohan Chatterjee

10:00–10:20 **Handbook**

Speakers

Georgy Kornakov, Stafford Withington

10:30

10:50

12:00

DRD5: X

Session | **Location:** CERN, 40/S2-B01 - Salle Bohr