

Session Program

29 June 2026 to 3 July 2026



8th DRD1 Collaboration Meeting

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Working Group 4: Detector physics, simulations, and software tools

Coimbra
Rua Larga, Departamento de Física

Wednesday 1 July

09:00

Working Group 4: Detector physics, simulations, and software tools

Session | **Location:** Coimbra, Rua Larga, Departamento de Física

09:00–09:10 **Introduction WG4**

09:10–09:30

Self-Consistent Space-Charge Modeling for Avalanche Simulation Using neBEM within Garfield++

Speaker

Shubhabrata Dutta

09:35–09:55

Simulation framework for the optimization of MPGD-based optical amplification structures

Speakers

Pedro Alberto Oliveira Costa E Silva, Pedro Silva

10:00–10:20

Application of Richardson-Lucy deconvolution to images obtained from GEM/COBRA scintillation readout in the Photon Induced Scintillation Amplifier

Speaker

José Pedro Neves

10:30

10:55

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10:55–11:15

Reconstructing the time of the interaction from diffusion in High-Pressure Argon TPCs

Speaker

Pablo H. Sevillano

11:20–11:40

The chemistry of Ar-CF₄ wavelength-shifting transfers

Speaker

Jesús González-Vázquez

11:45–12:05

Upgrading X-ray interactions in Degrad: the case of gas mixtures

Speaker

Carlos Azevedo

12:10–12:35

WG4 status report

Speaker

WG4 convenors

12:35–12:55

discussion

12:55