

Session Program

19-22 Oct 2025

**MADMAX/RADES Collaboration Meeting -
October 2025**

RADES Open session

Ringberg Castle

Monday 20 October

14:00

RADES Open session: Parallel I - Lecture hall

Session | **Location:** Ringberg Castle

14:00–14:20 **HFGW detection and analysis**

Speaker

Kristof Schmieden

14:20–14:35 **Haloscope signal injection**

Speaker

Ziheng Yang

14:35–14:55 **Status of activities at Unizar**

Speaker

Yikun Gu

14:55–15:15 **Development of a single-photon detector for the DQHF project**

Speaker

Danilo Angelone

15:15–15:25 **Ideas for an acquisition system for RADES LF**

Speaker

Egge

15:30

Tuesday 21 October

09:00

RADES Open session: Parallel II - green seminar room

Session | **Location:** Ringberg Castle

09:00–09:20 **Update on DQLF and DQHF cavities design**

Speakers

Prof. Alejandro Díaz-Morcillo, Jose Ramón Navarro Madrid

09:20–09:40 **Progress on HTS coatings of cavities and characterization**

Speaker

Dr Guilherme Telles

09:40–10:00

MPP cylindrical cavity characterization and its employment in haloscope setups

Speaker

Jose Maria Garcia Barcelo

10:00–10:20 **Towards a scanning mass haloscope with magnetic tunability**

Speaker

Jeanne Bally

10:30

Wednesday 22 October

09:00

RADES Open session: paralell III - Lecture hall

Session | **Location:** Ringberg Castle

09:00–09:20

Optimal control for qubit-based photon detection and parity measurements

Speaker

Marko Kuzmanović

09:20–09:40

Time-domain non-linear quantum interferometry as a resources for haloscopes

Speakers

Chloé FRUY, Takis Kontos

09:40–10:00

Transmon fabrication plans at HLL

Speakers

Tobias Ortmann, Tobias Ortmann

10:00–10:30

Roundtable of pending topics

Speaker

Babette Dobrich

10:30