

**Session Program**

**19-22 Oct 2025**

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

***MADMAX & RADES Common Session***

Ringberg Castle

## Sunday 19 October

17:15

### **MADMAX & RADES Common Session: Status of axion experiments**

**Session** | **Location:** Ringberg Castle

18:15

17:15-17:50

**Axion experiments, the landscape**

17:50-18:10

**Discussion**

# Monday 20 October

09:00

## MADMAX & RADES Common Session: Determination of expected signal

**Session** | **Location:** Ringberg Castle | **Convener:** Erika Garutti

### 09:00–09:20 RADES Q-factor and bead pull measurements

**Speaker**

Jose Maria Garcia Barcelo

### 09:20–09:40

### How to obtain MADMAX boost factor and determining the expected signal strength?

**Speaker**

Anton Evgeniev Ivanov

### 09:40–10:00

### Determination of boost factor uncertainties via simulations

**Speaker**

David Leppla-Weber

### 10:00–10:30

### Common discussion

10:30

11:00

## MADMAX & RADES Common Session: Magnet infrastructure and CERN activities

**Session** | **Location:** Ringberg Castle | **Convener:** Axel Lindner

### 11:00–11:20

### MADMAX magnet: short and mid & long term perspectives

**Speaker**

Bela Alexander Majorovits

### 11:20–11:40

### BabylAXO magnet status

**Speaker**

Igor Garcia Irastorza

### 11:40–12:00

### CERN activities

**Speakers**

Pascal Pralavorio, Sergio Calatroni

### 12:00–12:30

### Discussion

12:30

16:00

## MADMAX & RADES Common Session: Quantum detectors mid & long term plans

**Session** | **Location:** Ringberg Castle | **Convener:** Igor Garcia Irastorza

### 16:00–16:20

### TWPAs for axion research

**Speaker**

Guilliam Butseraen

### 16:20–16:40

### MADMAX TWPA integration

**Speaker**

HeeSu Byun

16:40–17:00 **Graphene single photon detectors for axion research**

**Speaker**

KC Fong

17:00–17:20 **Single photon detectors**

**Speaker**

David Diez Ibanez

17:30

## Wednesday 22 October

13:00

### MADMAX & RADES Common Session: MADMAX and RADES, what have we learned?

**Session** | **Location:** Ringberg Castle

13:00–13:20

#### Summary of inside axion synergetic values

**Speaker**

Bela Alexander Majorovits

13:20–13:40

#### DFSZ/KFSZ theory guidelines

**Speaker**

Frank Daniel Steffen

13:40–14:00

#### Discussion

14:00