

# **MADMAX Collaboration Meeting**

**Tuesday, 8 May 2018 - Wednesday, 9 May 2018**

**MPI Meeting rooms**

## **Scientific Programme**

MADMAX Collaboration meeting 8 & 9. May

Tuesday 8.5.18

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9:00 Welcome

5" Hello MADMAX

9:05 – 9:35 Theory

30" Miniclusters - Javier Redondo

9:35 - 10:50 Proof of principle Booster measurements

40" Booster physics and the way to realization - Stefan Knirck

25" Measurements on reflections - Jacob Egge

10" Cryostat commissioning - Chris Gooch

10:50 - 11:20 COFFEE

11:20 - 13:10 Booster Design and prototype - Distance measurement

30" Status design & Tiling- Michael Matyszek

15" Disc positioning - motors - David Kittlinger

15" Booster cryogenics & Characterization measurements needed - Erika Garutti

20" DESY Infrastructure Space & weight constraints - Preparation LHe - Joern Schaffran

15" Interferometer for proof of principle and prototype - Christian Strandhagen

15" Receiver news and to Do List- Olaf Reimann

13:10 - 14:15 LUNCH

14:15- 15:05 Organizational stuff:

15" Logo inauguration

10" Webpage

25" Introduction to Confluence

15:05 – 16:10 Simulations, Losses

45" Booster analytical calculations & Simulations - Jan Schuette-Engel

20" Loss mechanisms tan delta requirements - Alexander Partsch

16:15 - 16:45 Coffee

16:45 - 17:45 COLLOQUIUM

60" Studying gravitational waves with radio telescopes

- today and tomorrow - M. Kramer

17:45 - 18:25 Infrastructure and Strategy Discussion

20" Bottle necks and Potential show stoppers - Béla Majorovits

20" 1st discussion on prototype magnet needs

18:25 - 19:00 Time buffer

19:30 Social event: Aumeister

Wednesday 9.5.18

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9:00 - 10:30 Magnet report

30" Status SACLAY - Walid Abdel Maksoud

30" Status Bilfinger Noell - C. Boffo

30" Discussion What kind of prototypes will be needed for  
Phase II of innovation partnership?

10:30 - 10:50 Coffee

45" IAXO guest talk - A. Lindner

11:35 - 12:10 Session Magnet Protoypes for characterization  
and for MADMAX booster prototype discussions

10" Prototype magnet at Saclay

10" Prototype magnet at DESY - Discussion

15" BabyIAXO magnet synergies(?) - Discussion

12:10 - 12:50 Magnet innovation partnership cont.

40" Discussion Innovation partnership: Complementarities btw. Saclay and CEA

12:50 - 13:10 Strategy:

20" KAT KET KHuK Strategy meeting report - Axel Lindner/Andreas/Erika

13:10 - 15:00 Working LUNCH - Collaboration board

15:00 - 16:30 Theory

45" Theoretical overview axions landscape - Andreas Ringwald

20" Dark matter velocity distributions

what does it mean for MADMAX - Ciaran O'Hare

20" Influence of string decays on axion mass prediction Kenichi

Report form Collaboration board and Closeout - Erika

16:30 - 17:00 COFFEE

17:00 - 18:00 Time Buffer