

List of scientific talks

Babette Döbrich, CERN

August 10, 2020

1. “Experimental axion searches”, IIHE Brussels invited seminar, 2020/10/09
2. “RADES - divide and conquer”, MIAPP, MPI Munich, 2020/02/24
3. “Axion and ALP searches at different masses - an unavoidably biased overview” MPIK, Heidelberg, 2020/01/23
4. “Axion searches”, Gravity, Information and Fundamental Symmetries Research Area Workshop of the Max Planck Society, MPQ Garching, 2019/11/05
5. “Axion searches with NA62 and RADES”, Aachen physics seminar, 2019/01/22
6. “Constraints and prospects on light pseudoscalar mediators from B decays”, SHiP weekly meeting CERN, 2018/11/29
7. “Results and status of NA62”, Dark Interactions, BNL, 2018/10/05
8. “(Somewhat) New ideas in ultralight DM searches: FUNK and RADES”, BNL, 2018/10/01
9. “Results and status of NA62”, Flavor and Dark Matter, Heidelberg, 2018/09/24
10. “The physics of axions”, lecture at BND Doctoral School, Berlin, 2018/09/18
11. “Axion searches with NA62 and RADES”, Marseille, 2018/08/24
12. “Axion searches with NA62”, Cross-Collider talk, CERN, 2018/07/12
13. “Results and status of NA62”, PATRAS 2018 workshop, DESY Hamburg, 2018/06/19
14. “Search for dark matter at fixed target, status and prospects”, Vulcano workshop Italy, 2018/05/25
15. “Long-Lived-particle searches at NA62” LLP workshop, 2018/05/18
16. “Search for Axions”, Heidelberg: “Dark Matter at the dawn of Discovery Workshop”, 2018/04/09
17. “Axion searches across different mass scales”, Frascati Physics Colloquium, Italy, 2018/02/01
18. “Hunting for new, weakly coupled particles from eV to MeV”, Heidelberg Particle Physics Colloquium, Germany, 2017/12/19

19. “Axion searches across different mass scales”, Lorentz Center Leiden, Netherlands, 2017/11/14
20. “BSM in proton fixed-target - NA62 perspective”, Weizmann Institute, Israel, 2017/11/07
21. “Dark Sector data from MeV to eV: NA62 to FUNK”, Louvain, Belgium, 2017/09/26
22. “Dark Sector data from MeV to eV: NA62 to FUNK”, TRIUMF colloquium, Vancouver, 2017/09/14
23. “Dark Sector Data from MeV to eV”, Dark Sectors and GR at all scales, CERN, 2017/08/22
24. “Search for Axions and Dark Photons: NA62 and FUNK”, Freiburg GRK 2044 seminar, Freiburg, 2017/06/14
25. “ALP searches in beam dump experiments”, PHOTON 2017, CERN, 2017/05/22
26. “Results and Status of NA62”, PATRAS workshop in Thessaloniki, Greece, 2017/05/16
27. “Search for Hidden Sector particles with NA62”, Weizmann Institute, Israel, 2017/05/10
28. “Heavy axions with NA62”, Joint CERN/LAT session, CERN, 2017/03/29
29. “Axion-like particle search with NA62”, Axion Dark Matter Nordita, Stockholm, 2016/12/06
30. “Searching light-weight and weakly-coupled particles”, GRK Seminar Jena, 2016/11/22
31. “Craze and shine”, Prisma Seminar Mainz, 2016/11/02
32. “Craze and shine”, Nottingham particle physics Seminar, 2016/10/28
33. “Hunting for light-weight, weakly-coupled particles”, From the Quantum to the Cosmos, Kitzbühel, 2016/06/28
34. “Axion-like searches in the lab”, Workshop on Dark Energy, Chicheley Hall, UK, 2016/04/22
35. “Axion-like-particle searches with proton dumps”, Bethe Forum on Axions, Bonn 2016/03/11
36. “Hunting for new, weakly coupled particles with high intensities”, DPG Spring meeting Hamburg, 2016/03/03
37. “Selection of Axion-Like Particle searches”, Bern LHEP Physics Seminar, 2016/02/24
38. “The Dark Side of Matter”, AIMS Bagamoyo, Tansania, 2016/01/13

39. “Phenomenology of Dark Matter axions, axion-like particles and hidden photons”, HAP Dark Matter meeting, Karlsruhe, 2015/09/23
40. “Update on the FUNK experiment”, 11th Patras workshop, Zaragoza, 2015/06/22
41. “Searching for ultra-light hidden photons with ALPS-II and FUNK”, Photon 2015, Novosibirsk, 2015/06/17
42. “Die dunkle Seite der Materie”, Kiel Saturday morning physics, 2014/12/06
43. “Dark Matter & the search for its light candidates”, AIMS Muizenberg, 2014/11/18
44. “Dark Matter”, Science Café , DESY, 2014/09/24
45. “Search for ultralight Dark Matter candidates”, European Cosmic Ray Symposium, Kiel, 2014/09/1
46. “Dark Matter”
with A. Lindner, DESY Summer Student course 2014, Hamburg, 2014/08/18
47. “Light shining through the wall? Experimental searches for the axion and its relatives”, Physikalisches Kolloquium, Tübingen, 2014/07/09
48. “Vector Dark Matter search with an AUGER mirror”, 10th PATRAS workshop, CERN, 2014/07/03
49. “Axions and the like”, International Niccolò Cabeo School, Ferrara, 2014/05/21
50. “ALPS-II and other WISP searches at DESY”, CAST collaboration meeting, CERN, 2014/05/13
51. “Dark matter and the search for its light-weight candidates”, AIMS South Africa, Muizenberg, 2014/03/10
52. “WISP searches at DESY”, Astroparticle Physics seminar, Max Planck Institute for Physics, Munich, 2014/01/23
53. “Any light particle search II. Coupling an intense laser & magnetic field for beyond the Standard Model physics ”
LaB workshop LULI, Ecole Polytechnique Palaiseau, 2013/12/04
54. “Quantum gravity with a Linear Collider $\gamma - \gamma$ option?”
Linear Collider Workshop DESY, Hamburg, 2013/10/11
55. “Dark Matter”
with A. Lindner, DESY Summer Student course 2013, Hamburg, 2013/08/12
56. “Any light particle search II. BSM searches with cw-sources and some ideas for intense fields ”
Physics in Intense Fields, Hamburg, 2013/07/11
57. “What’s new in ALPS-II. Overview & update with respect to goals, experiment and politics”
9th Workshop on Axions, WIMPs and WISPs, Mainz, 2013/06/24

58. “The ALPS-II experiment. Unprecedented sensitivity for ‘very light particles beyond the Standard Model’”
Niccolò Cabeo School, Ferrara, 2013/05/23
59. “ALPS-II. Goals, Status and Tools (including instrumentation...)”
Instrumentation Seminar, DESY Hamburg, 2013/04/26
60. “Kommt der nächste Einstein aus Afrika?”
Science Café Desy, DESY Hamburg, 2013/04/24
61. “ALPS-II and its relatives. Status and prospect of light BSM particles at DESY”
Particle Phenomenology Seminar, Heidelberg, 2013/02/26
62. “Dark Matter, a basic and biased review”
AIMS Ghana, Biriwa, 2013/01/21
63. “ALPS, take II. A fast-track review of motives, goals and status”
DESY 74th PRC meeting, open session, Zeuthen, 2012/11/08
64. “The ALPS-II proposal. An enlightening way of looking for new physics”
LEXI cluster meeting, Hamburg, 2012/10/11
65. “State-of-the-art WISP searches and prospects”
New particles with high power lasers workshop, Jülich, 2012/10/24
66. “Tree-level photon interaction for ALPS-II and beyond”
8th Workshop on Axions, WIMPs and WISPs, Chicago, 2012/07/19
67. “Why ALPS-II? Shedding light on some fundamental particle physics questions”
DESY 73th PRC meeting, closed session, Hamburg, 2012/04/26
68. “Shedding light on the vacuum”,
Group seminar Theoretical physics II, Augsburg, 2011/07/13
69. “Light-shining-through-walls via virtual minicharged particles in a magnetic field”,
7th Workshop on Axions, WIMPs and WISPs, Mykonos, 2011/06/27
70. “Shedding light on the vacuum”,
Seminar of the DFG Graduate School 1523, Jena, 2011/02/22
71. “Axion-like-particle search with high-intensity lasers”,
Meeting of DFG Transregio 18, Frauenwörth, 2010/10/07
72. “Axion-like-particle search with high-intensity lasers”,
EMMI workshop ‘Particle dynamics under extreme matter conditions’,
Speyer, 2010/09/28
73. “Axion-like-particle search with high-intensity lasers”,
6th Workshop on Axions, WIMPs and WISPs, University of Zurich, 2010/07/08
74. “Casimir-Polder forces for corrugated surfaces”,
Les Houches School for Casimir, van der Waals and nanoscale interactions,
Les Houches, 2010/04/12

75. “Scalar Casimir-Polder forces for arbitrary uniaxial corrugations”,
Quantum field theory under the influence of external conditions (QFEXT09),
University of Oklahoma, 2009/09/23
76. “Interferometry of light propagation in pulsed fields”,
5th Workshop on Axions, WIMPs and WISPs, University of Durham,
2009/07/15
77. “Shedding light onto the vacuum”,
Seminar of the Heidelberg Graduate School of Fundamental Physics, 2009/02/10
78. “Calculation of Casimir-Polder forces in non-planar geometries”,
Physikalisches Institut Heidelberg, 2008/07/23