

Timetable of Annual Retreat 2023

4. – 7.9.2023 at Hotel Haus Delecke, Möhnesee

Monday, September 4	
Transfer from the institute / Individual arrival	
10:00	Welcome / Coffee
10:30 – 12:00	Talks by PhD Students <i>Neutrino fluxes from Z'-mediated dark matter annihilation in the sun</i> Miriam Neumann <i>Prompt and non-prompt J/ψ as a function of multiplicity in proton-proton collisions with ALICE</i> Gauthier Legras
12:00	Lunch
13:30	RTG Board Meeting
15:00 – 17:00	Talks by PhD Students <i>Signal response calibrations for the XENON_nT experiment</i> Johanna Jakob <i>Building and optimizing lattice interpolators</i> Jan Neuendorf <i>Intersection numbers in physics and math</i> Finn-Bjarne Jost
17:00	Coffee Break
17:30 – 19:00	<i>Neutrino Property Measurements I</i> Prof. Dr. Patrick Decowski, University of Amsterdam, GRAPPA & Nikhef
19:00	Dinner

Tuesday, September 5

08:00	Breakfast
09:00 – 10:30	<i>The homogeneous universe</i> Prof. Dr. Yvonne Wong, School of Physics, University of New South Wales, Sydney
10:30	Coffee Break / Photo
11:00 – 12:30	<i>Neutrino Property Measurements II</i> Prof. Dr. Patrick Decowski
12:30	Lunch
14:30	Coffee Break
15:00 – 16:30	<i>The inhomogeneous universe</i> Prof. Dr. Yvonne Wong
16:30	Coffee Break
17:00 – 18:30	<i>Direct Searches for Dark Matter</i> Prof. Dr. Patrick Decowski
19:00	Dinner

Wednesday, September 6 – Young Researchers’ Day

08:00 Breakfast

09:00 – 10:30 *Basics in statistical analysis and hypothesis testing for physicists I*
Dr. Michael Winn,
IRFU, CEA, Université Paris-Saclay, France

10:30 Coffee Break

11:00 – 12:30 *Basics in statistical analysis and hypothesis testing for physicists II*
Dr. Michael Winn

12:30 Lunch

14:00 Transfer with cars to Körbecke, Möhnese

14:30 – ... **Floßbauen / Raft-building**

17:30 Transfer to Hotel Haus Delecke

18:30 (approx.) Barbecue

Thursday, September 7

08:00 Breakfast

09:00 – 10:30 *Dark matter*
Prof. Dr. Yvonne Wong

10:30 Coffee Break

11:00 – 12:30 **Talks by PhD Students**
Towards a Markov chain Monte Carlo investigation of PDFs
Peter Risse
Forbidden dark matter annihilation into leptons with full collision terms
Luca Wiggering

12:30 Lunch

13:30 – 14:00 **Meeting of PhD Students & Postdocs**
Closure / Feedback

End
