

# Timetable of Annual Retreat 2019, 23. – 26.09.19, at Hotel Idingshof, Bramsche

Monday, September 23		Tuesday, September 24	
	Transfer from the institute / Individual arrival	8:00	Breakfast
10:00	Welcome / Coffee	9:00 – 10:00	<i>QCD exotics in the heavy quark sector III: The <math>\bar{Q}Q</math> sector</i> <b>Christoph Hanhart</b>
10:30 – 11:30	<b>Talks by PhD Students</b> <i>Q-value and energy loss in KATRIN</i> Rudolf Sack <i>The CKrS: a calibration source for KATRIN</i> Alexander Fulst	10:00 – 11:00	<i>Neutrinos and dark matter I</i> <b>Manfred Lindner</b>
11:30 – 12:30	<i>QCD exotics in the heavy quark sector I: Tools and methods</i> <b>Christoph Hanhart</b>	11:00 – 11:30	Coffee Break / Photo
12:30	Lunch	11:30 – 12:30	<i>Neutrinos and dark matter II</i> <b>Manfred Lindner</b>
<b>13:30</b>	<b>RTG Board Meeting</b>	12:30	Lunch
14:30	Coffee	14:30	Coffee
15:00 – 16:00	<b>Talks by PhD Students</b> <i>Non-perturbative determination of <math>M_{\text{charm}}</math></i> Simon Kuberski <i>Matrix field theory</i> Alexander Hock	15:00 – 16:00	<i>Neutrinos and dark matter III</i> <b>Manfred Lindner</b>
16:00 – 17:00	<i>QCD exotics in the heavy quark sector II: The single heavy sector</i> <b>Christoph Hanhart</b>	16:00 – 17:00	<b>Talks by PhD Students</b> <i>Investigating the dead cone effect for bottom jets in pp collisions at <math>\sqrt{s} = 13</math> TeV</i> Katharina Garner <i>Observation of two-neutrino double electron capture in <math>^{124}\text{Xe}</math> with XENON1T</i> Christian Wittweg
17:00 – 17:30	Coffee Break	17:00 – 19:00	Free Time, e.g., for ... ... <i>swimming, fitness, etc.</i> , see <a href="http://www.idingshof-hotel-bramsche.de/sport-idingshof">www.idingshof-hotel-bramsche.de/sport-idingshof</a>
17:30	<b>Poster Session</b>	19:00	Dinner
19:00	Dinner	20:00	Informal meeting with Rüdiger Haake

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**Wednesday, September 25 – Young Researchers' Day**

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8:00	Breakfast
9:00 – 10:30	<i>Workshop: Neural networks in high energy physics I</i> <b>Rüdiger Haake</b>
10:30 – 11:00	Coffee Break
11:00 – 12:30	<i>Workshop: Neural networks in high energy physics II</i> <b>Rüdiger Haake</b>
12:30	Lunch
14:30	Transfer to <i>Kletterwald Osnabrück</i>
15:00 – 18:00	<b>Climbing Park Activity</b>
	Transfer to Osnabrück
19:30	Dinner in Osnabrück
	Transfer back to Hotel Idingshof

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**Thursday, September 26**

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8:00	Breakfast
9:00 – 10:30	<i>Workshop: Neural networks in high energy physics III</i> <b>Rüdiger Haake</b>
10:30 – 11:00	Coffee Break
11:00 – 12:30	<i>Workshop: Neural networks in high energy physics IV</i> <b>Rüdiger Haake</b>
12:30	Lunch
13:30	Coffee
14:00	Closure / Feedback
	<b>Meeting of PhD Students &amp; Postdocs</b>
	Transfer to the institute / Individual departure

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**Lecturers:**

Prof. Dr. Christoph Hanhart, Forschungszentrum Jülich, Institute for Nuclear Physics

Prof. Dr. Manfred Lindner, Max-Planck-Institute for Nuclear Physics, Heidelberg

Dr. Rüdiger Haake, Yale University, Physics Department, New Haven, USA, and CERN