

MGK - Opportunities



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The Fourth Year



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4th Workshop of the SFB 1245, March 27-29, 2019

IRTG Integrated Research Training Group



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Provides **enhanced, innovative and international environment for doctoral researchers** and **structured qualification plan**

Ingenium: yearly specialized course for CRC + soft skills courses

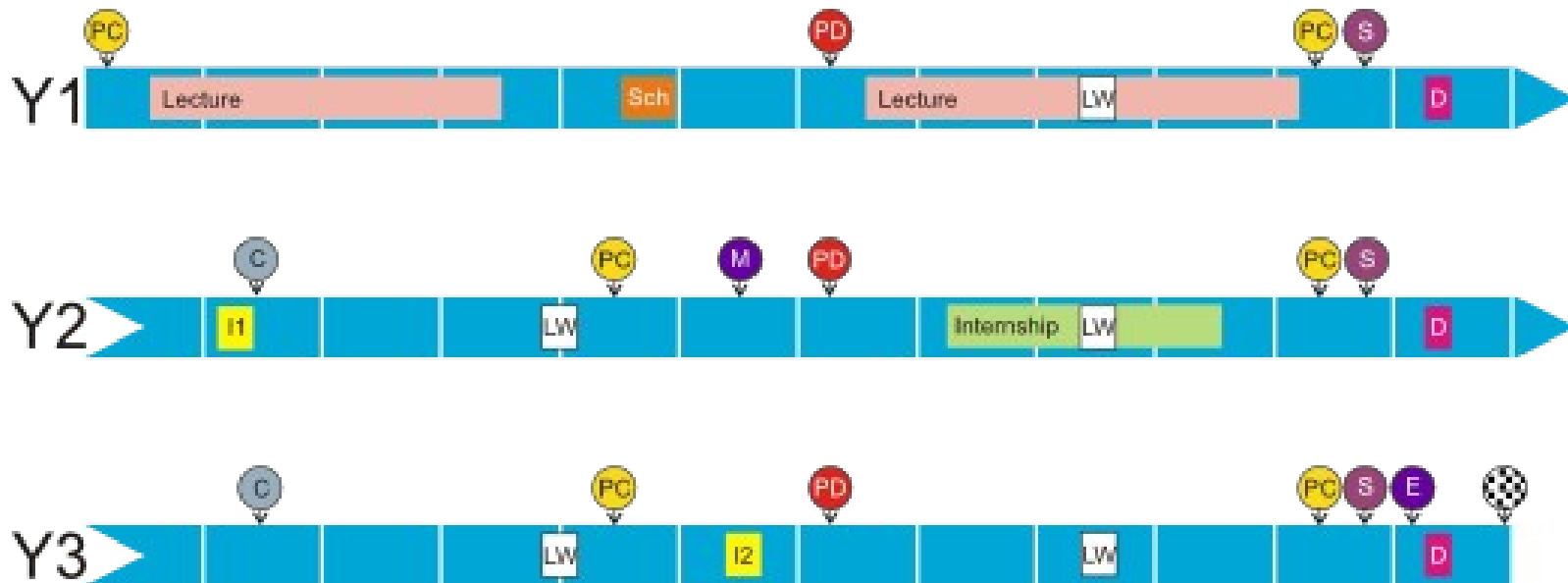
HGS-HIRe: broader physics courses on hadron physics, atomic physics, biophysics, ...

SFB internal programmes: additional benefits

Structured Qualification Plan

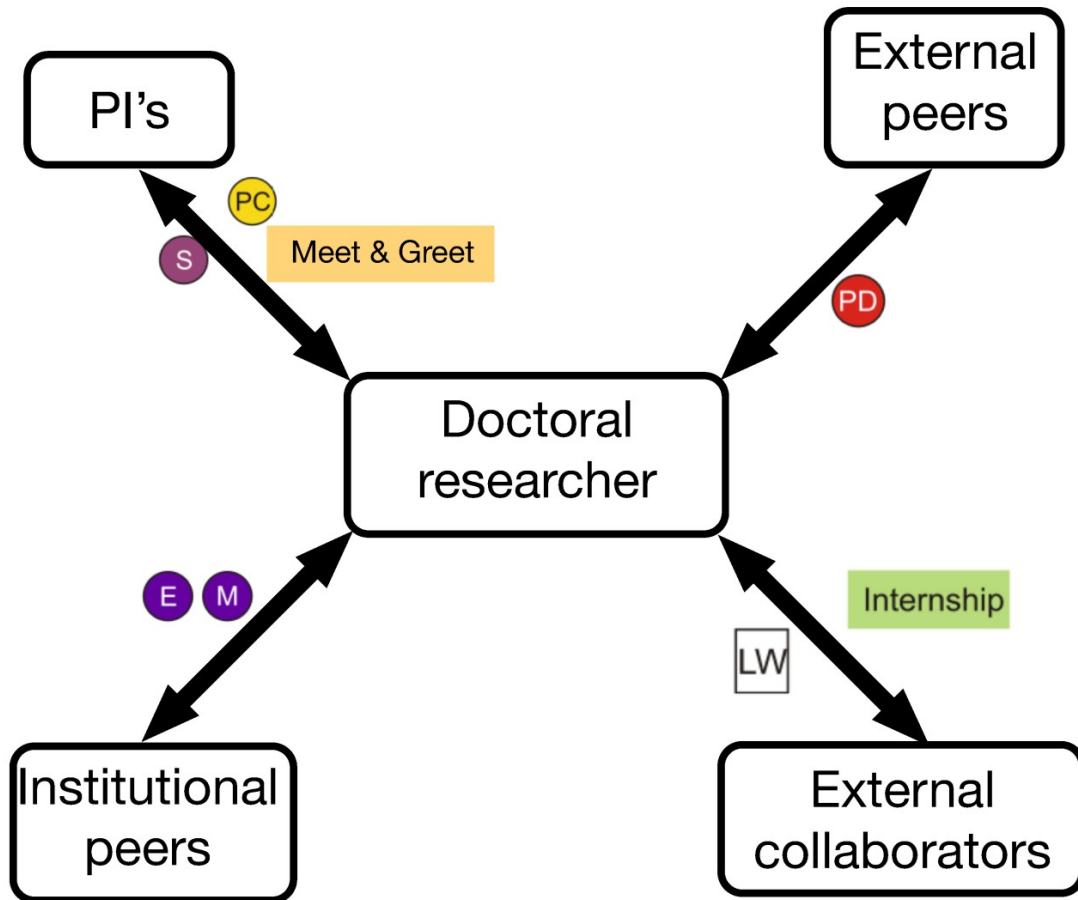


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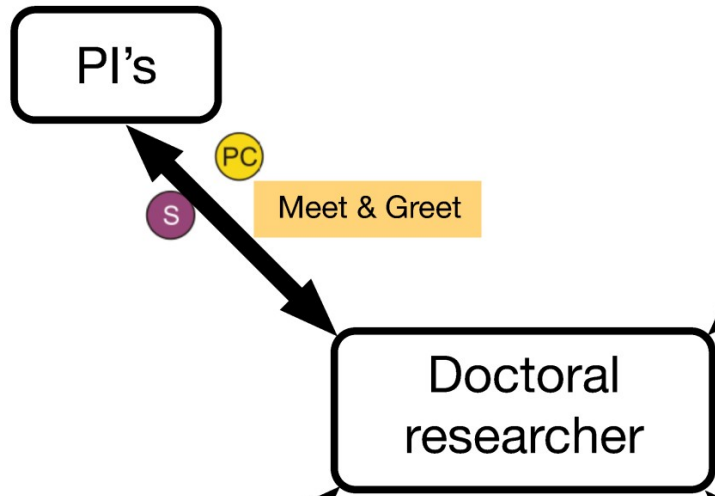


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|--|-----------------------|--|---|--|--------------------------|
| | PhD committee | | Professional training:
soft skills / selected topics | | SFB workshop |
| | Mid-/End term seminar | | Special lecture | | Summer school |
| | Physics Days | | Research internship | | DPG spring meeting |
| | Dissertation | | Lecture week | | International conference |

Supervision and Support



SFB Workshops



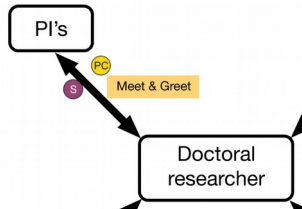
Now !

Here !

Meet & Greet



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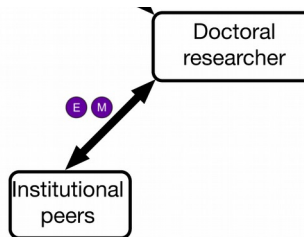
Next:

Past:

- February 6, 2019: Alexandre Obertelli, "In beam gamma-spectroscopy of radioactive nuclei"
- Dezember 05, 2018: Hans-Werner Hammer, A05
- October 17, 2018: Almudena Arcones, B06
- June 21, 2018: Volker Werner, B03
- May 2, 2018 at 4:30: Tom Aumann & Dominic Rossi, A05/A06
- February 14, 2018: Jens Braun & Kai Hebel, B05
- November 30, 2017: Joachim Enders, Peter von Neumann-Cosel, B02
- October 18, 2017: Achim Schwenk, A04
- June 28, 2017: Norbert Pietralla, A01 / A07
- April 19, 2017: Gabriel Martinez-Pinedo, B01
- January 18, 2017: P. von Neumann-Cosel & H. Scheit, Introduction to B04
- May 25, 2016: R. Roth & H.-W. Hammer, Ab-initio nuclear structure in A02
- February 24, 2016: W. Nörtershäuser, Laser Spectroscopy in A01 and A03

Schedule for SS 2019:

Day	Speaker	Title	Project
25.04	Martin Pospiech	tba	B05
02.05	Marc Leonhardt	tba	B05
09.05	Michaela Hilcker	tba	A01
23.05	Svenja Greif	tba	B01
06.06	Thomas Hüther	tba	A02
13.06	Gerhart Steinhilber	tba	A07
27.06	Stefan Alexa	tba	A02
11.07	tba	tba	tba



Martin Pospiech

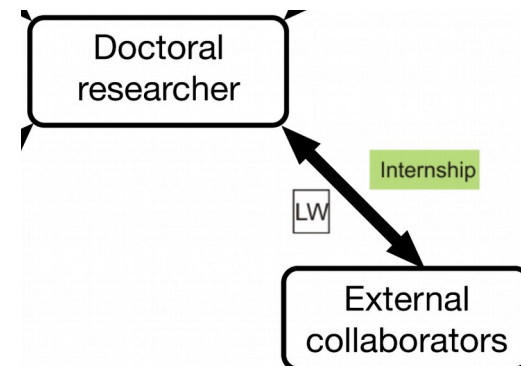
Every doctoral researcher has to give at least **two** talks during her/his PhD.
Next terms program under discussion ?

Lecture Week



twice per year, **organised by doctoral researchers**

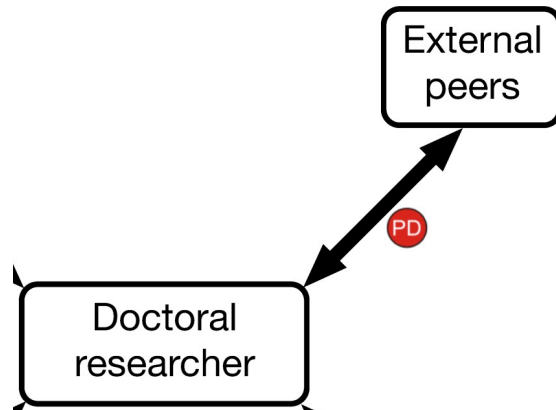
- [Jim Lattimer \(Stony Brook\), July 15-19, 2019, Nuclear Astrophysics](#)
- Nathal Severijns (KU Leuven), Sep. 3-5, 2018, Beta decay probing weak interaction properties
- Raphael Hirschi (Keele University), March 12-16, 2018, From stars to elements: stellar evolution and nucleosynthesis
- Sonia Bacca (Uni Mainz), Nov. 21-24, 2017, Electromagnetic properties of nuclei: from few- to many-body systems
- Alexandre Obertelli (CEA Saclay), Feb. 22-24, 2017, Nuclear structure from spectroscopy and direct reactions
- Stefan Scherer (Uni Mainz), June 1-3, 2016, Chiral perturbation theory



Physics Days



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- Sep. 17-18 in Darmstadt with the Garching group
- Nov. 24-25, 2017 in Garching, München: “Neutrinos and Dark Matter in Astro- and Particle Physics”
- Dec 16/19, 2016 in Darmstadt/Heidelberg: “High-Precision Mass Spectroscopy”



Next?
Nuclear physics groups Bonn/Cologne

Prizes: Theory Internships



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- Internships for Doctoral Researchers in Theory
- application twice per year (4 internships of 2000 e /year)
- submit: CV, motivation letter (2 pages, should fit CRC topics)
- supporting letters from supervisor and host

Deadlines: 15.12.201x and 15.06.201x

Accomplished internships:

- Wael Elkamhawy: Oct. 4 - Dez. 25, 2018 at University of Tennessee, Knoxville with Lucas Platter
- Marcel Schmidt: Mar. 6 - June 28, 2018 at University of Tennessee, Knoxville with Lucas Platter
- Jonas Braun: Aug. 29 - Nov. 25, 2017 at University of Tennessee, Knoxville with Lucas Platter
- Klaus Vobig: July 17 - Sep. 4, 2017 at TRIUMF, Vancouver with Petr Navrátil and Jason Holt
- Carlos Mattes: May 15 - May 26, 2017 at JINA, Michigan State University with Sean Couch
- Svenja Greif: May 1 - May 31, 2017 at University of Amsterdam with Anna Watts
- Julia Bliss: Apr. 19 - May 17, 2017 at JINA, Michigan State University with Fernando Montes
- Christian Drischler: Jan. 9 - Jan. 27, 2017 at Ohio State University, Columbus with Richard J. Furnstahl

Prizes: Travel Prize



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- once per year for best theoretical & experimental paper: **1000 €**
- for travel to CRC-related conference
- submit: paper and short explanation of contribution of doctoral researcher (1 page)
- deadline: 31.01.201x for papers published or accepted in previous 12 months

Awardee 2016: Sergej Bassauer

Awardees 2017: Julian Kahlbow and Marc Leonhardt

Awardees 2018: Bernhard Maaß and Marcel Schmidt

Deadline: 31. January 20xx

Conclusion

MGK provides enhanced, innovative and international environment for doctoral researchers and structured qualification plan with many opportunities

⇒ use them.... !!

Improvements for 2nd funding period?