

Welcome to the Summer School Deep Learning Basic Concepts

<https://indico.scc.kit.edu/event/2851>

8.-12. August 2022

Lecturers

- Dennis Noll (RWTH Aachen University)
- Dr. Marcel Rieger (University of Hamburg)
- Jun.-Prof. Dr. Judith Reindl (UniBW Munich)
- Dr. Nikolai Hartmann (LMU Munich)
- Dr. Caroline Heneka (University of Hamburg)

Tutors

- Lars Sowa (Karlsruhe Institute of Technology)
- Bogdan Wiederspan (University of Hamburg)
- Boyang Yu (LMU Munich)

Local Organisation:

- Martin Erdmann (RWTH Aachen University)
- Angela Warkentin (RWTH Aachen University)
- Peter Fackeldey (RWTH Aachen University)
- Jana Moser (RWTH Aachen University)

Program Committee:

- Martin Erdmann (RWTH Aachen University)
- Katrin Link (KIT)
- Dirk Lützenkirchen-Hecht (BUW)



Pre-Workshop Deep Learning Basic Concepts
Aachen <https://indico.scc.kit.edu/event/2645>

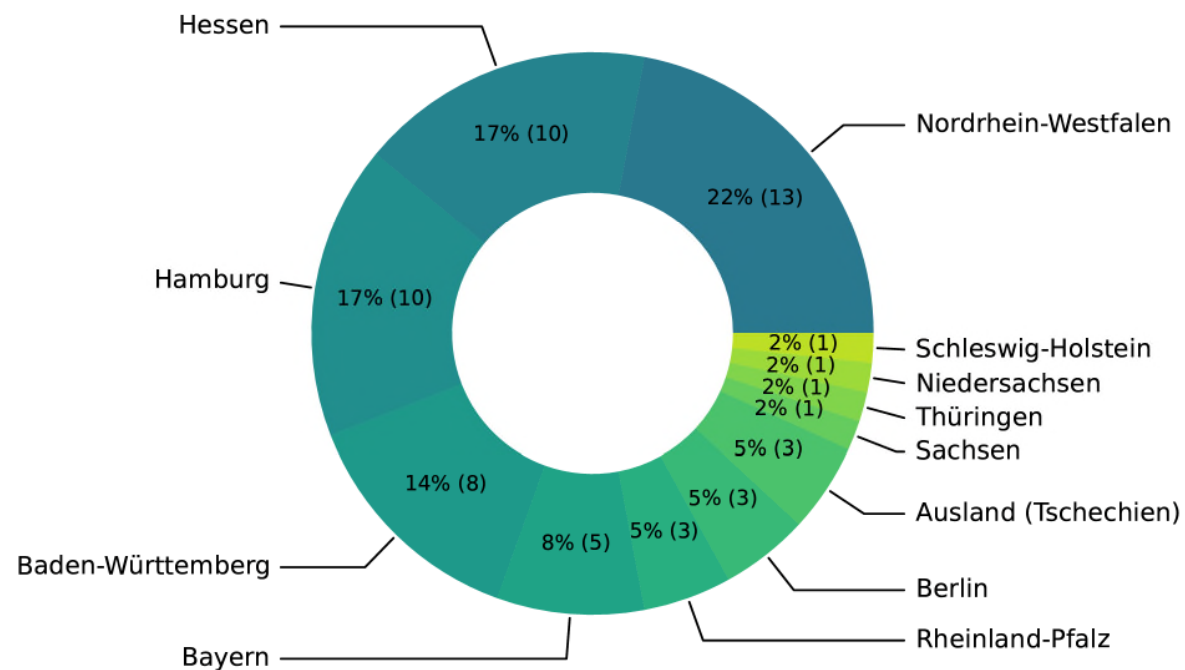
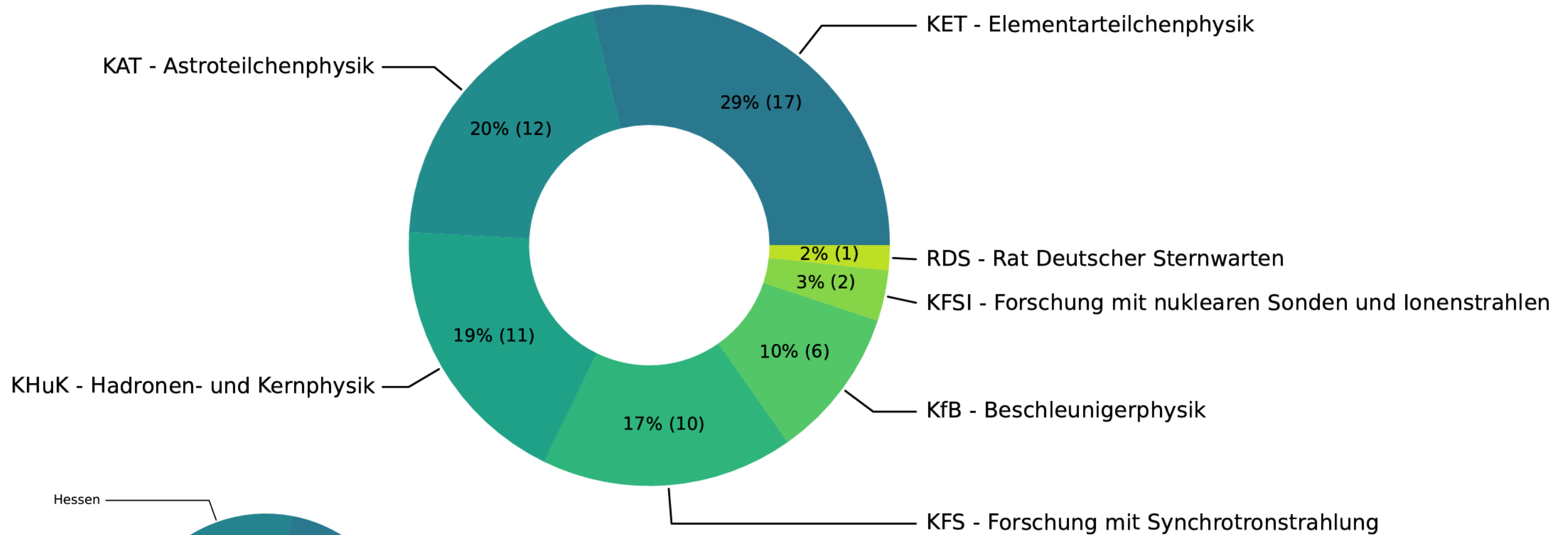
All together we are: 59

actual version

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	First Name	Last Name	Affiliation	Position	Community
Organizers	Martin	Erdmann	RWTH Aachen University	Professor	KAT - Astroteilchenphysik; KET
	Angela	Warkentin	ErUM-Data-Hub	Other	KET - Elementarteilchenphysik
	Peter	Fackeldey	RWTH Aachen University	PhD Student	KET - Elementarteilchenphysik
Lectures & Hands-on	Nikolai	Hartmann	Ludwig-Maximilians-Universität München	Postdoc	KET - Elementarteilchenphysik
	Caroline	Heneka	Universität Hamburg	Postdoc	RDS - Rat Deutscher Sternwarten
	Dennis	Noll	RWTH Aachen University (DE)	PhD Student	KET - Elementarteilchenphysik
	Judith	Reindl	UniBW	Professor	KFSI - Forschung mit nuklearen Sonden und Ionenstrahlen
	Marcel	Rieger	Universität Hamburg	Postdoc	KET - Elementarteilchenphysik
	Lars	Sowa	Karlsruhe Institute of Technology	PhD Student	KHuK - Hadronen- und Kernphysik
	Bogdan	Wiederspan	UNI/EXP (Uni Hamburg, Institut für Experimentalphysik)	PhD Student	KET - Elementarteilchenphysik
	Boyang	Yu	LMU Munich	PhD Student	KET - Elementarteilchenphysik
	Participants	Baktash	Amini	Albert Ludwig University of Freiburg	PhD Student
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Marco		Fischer	TU Darmstadt	PhD Student	KfB - Beschleunigerphysik
David		Freire Fernández	MPIK	PhD Student	KHuK - Hadronen- und Kernphysik
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Amrita		Gupta	Technische Universität Darmstadt	PhD Student	KHuK - Hadronen- und Kernphysik
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Mario		Krüger	Institut für Kernphysik, Uni Frankfurt	PhD Student	KHuK - Hadronen- und Kernphysik
Ivar		Kumberg	Freie Universität Berlin	PhD Student	KFS - Forschung mit Synchrotronstrahlung
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Tim	Ullrich	Hamburg Observatory	Student	KAT - Astroteilchenphysik	
Stephan	Wagner	IAP Goethe-Universität Frankfurt am Main	Student	KfB - Beschleunigerphysik	
Marcel	Wald	University of Siegen	PhD Student	KET - Elementarteilchenphysik	
Mark	Weyrauch	Karlsruhe Institute of Technology	PhD Student	KAT - Astroteilchenphysik	

ErUM=Research on Universe and Matter



Lectures & Exercises, Breaks

Monday

Tuesday

Wednesday

Thursday

Friday

From 7:00

Session Chair	First Name	Last Name
1	Eleonora	Guido
2	Jordi	Tuneu
3	Ruslan	Khubbutdinov
4	Hans	Rabus
5	Zhiqiang	Chen
6	Tauqir	Shinwari
7	Martin	Seyrich
8	Victoria	Tokareva
9	Thomas	Beiser
10	Stephan	Kötter
11	Amrita	Gupta
12	Ivar	Kumberg
13	Stephan	Maldaner
14	Tim	Herrmann
15	Dominic	Schneider

9:00

Breakfast

Breakfast

Breakfast

Breakfast

10:30

² Neural Network Building Blocks

⁶ Mastering Model Building

¹⁰ **Recurrent Neural Networks**

¹⁴ Introspection of Neural Networks

11:00

Coffee

Coffee

Coffee

Coffee

12:30

³ Neural Network Building Blocks

⁷ **Convolutional Neural Networks**

¹¹ Recurrent Neural Networks

¹⁵ Introspection of Neural Networks

13:30

Lunch

Lunch

Lunch

^{12:00} Lunch

14:30

⁴ **Mastering Model Building**

⁸ Convolutional Neural Networks

¹² Recurrent Neural Networks

16:90

Coffee

Coffee

Coffee

16:30

⁵ Mastering Model Building

⁹ Convolutional Neural Networks

¹³ **Introspection of Neural Networks**

18:00

Supper

Supper

Supper

18:00

Supper

19:00

19:30

¹ **Neural Network Building Blocks**

21:00

Further information

- Please respect the house rules as explained in your room
- Water in the lecture hall is included for you, all alcoholic drinks is on your own budget
- Kegelbahn/bowling lane can be booked for 20€/hour
- For those of you who like to *thank the House Nordhelle people* for all services they give to us we have a device for collecting
- **Survey:** please fill out the *indico* survey, important for all following schools and workshops <https://indico.scc.kit.edu/event/2851>
- During the school you can reach the organization team at the **mobile number +49 175 3259293**. Please note that this number is active only during our events



<https://www.erumdatahub.de>

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How to join

Participant Profiles for Networking

Step 1:

- Go to: shorturl.at/aP457
- The link is also at the Indico Page
- Duplicate the template slide
- Fill in your information
- If you want, add a picture of yourself

Step 2:

- Browse through the slides and find people with similar interests that you want to network with.
- Use your time at the Deep Learning School to connect.
- Don't worry if you can't talk to everyone. If you miss the opportunity at the event, you can still contact people afterwards. The slides will be provided to you.

Need help?

Write to info@erumdatahub.de

or ask Angela Warkentin & Peter Fackeldey



Hello, I am:

Your full name



**Position & Affiliation /
University / Project**

Place for a short bio

Who are you?

What are you working on right now?

I have experience in:

- What is your expertise?
- What might be useful for others?
- ...
- ...

I am interested in:

- What is your current issue?
- What can someone help you with?
- What do you need info about?

How to reach me:

- E-Mail
- Phone
- LinkedIn

