

Outreach@P3H

Young Scientists Meeting 2023

Anastasia Boushmelev, 18.10.2023

Outreach Teams

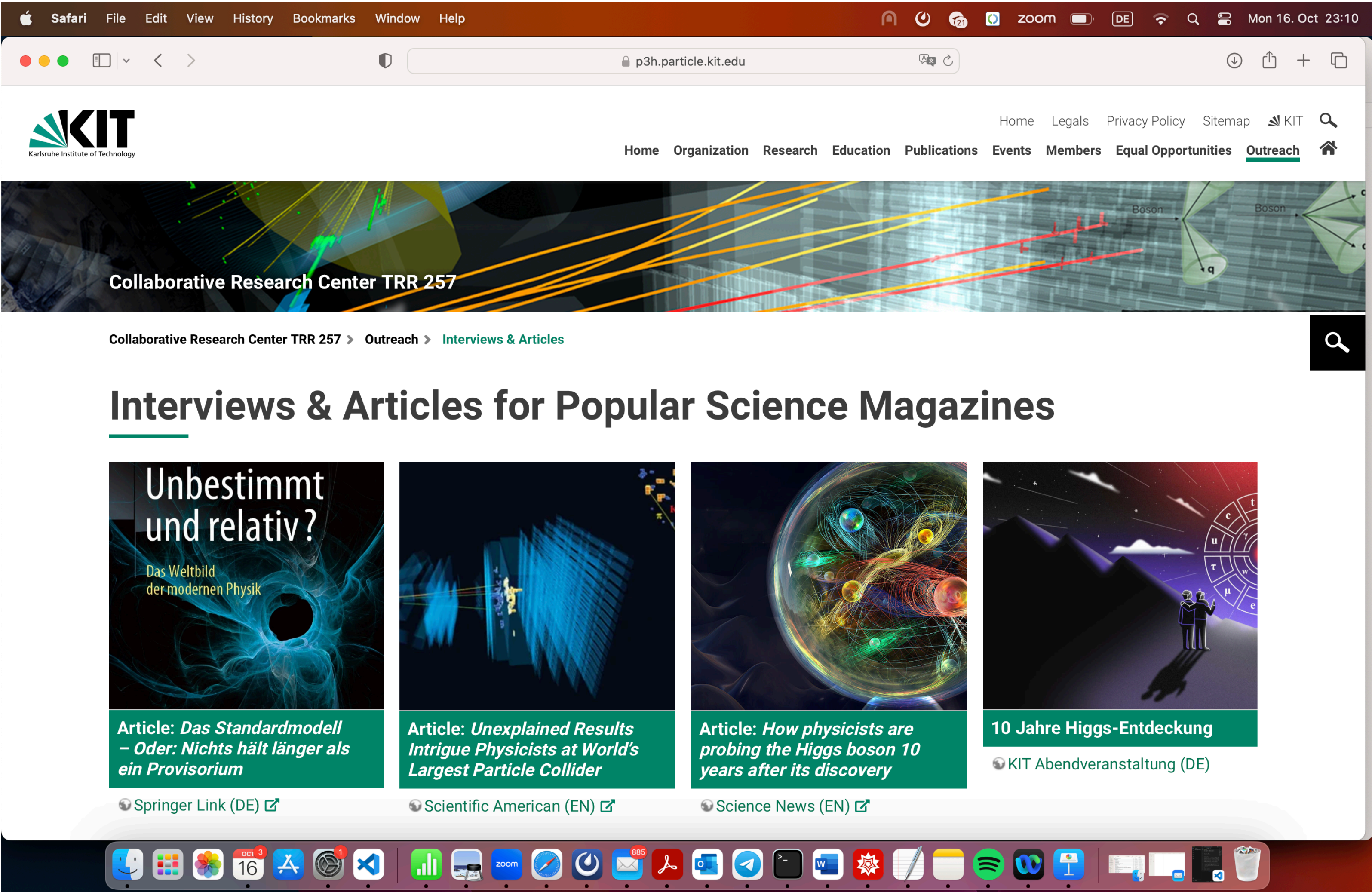
Siegen: Alexander Lenz, Anastasia Boushmelev, Zachary Wüthrich

Aachen: Robert Harlander, Magnus Schaaf, Marie Hein

Karlsruhe: Felix Kahlhöfer, Anton Olsson

Heidelberg: Tilman Plehn

Our new Webpage



Events so far ...



Public lecture: *Physik im Apollo*

18 July 2023, Siegen ●

🌐 [Universität Siegen \(DE\)](#) ↗



*Schüler*innenuni Physik*

26–30 June 2023, Aachen ●

🌐 [RWTH Aachen \(DE\)](#) ↗



2023 Open Day at KIT

17 June 2023, Karlsruhe ●

🌐 [KIT \(DE/EN\)](#)



Public talk: *Tatort Urknall – Schnitzeljagd im Teilchenzoo*

6 June 2023, Aachen ●

🌐 [RWTHextern \(DE/EN\)](#) ↗



Traveling exhibition: *Urknall unterwegs! – Über die Entstehung des Universums und die Welt der Teilchen*

5–7 June 2023, Aachen ●



Poster exhibition: *Blick in unser Universum*

5–23 June 2023, Aachen ●

🌐 [RWTHextern \(DE/EN\)](#) ↗

One example: Physik im Apollo

Unsere Eiskarte

Zutaten

Up Charm
Down Strange
Antibeilchen

Baryonen

Proton: Up Up Down
Neutron: Up Down Down
Lambda (Λ_c): Up Down Charm
Lambda (Λ^0): Up Down Strange

Mesonen

Kaon (K^+): Up Strange
D-Meson (D^+): Charm Down
D-Meson (D^-): Down Charm
Psion (J/ψ): Charm Charm

Charming Flavours



Another example: Physics Project Days

Target group: Girls in their last three years of school (EF, Q1, Q2)

What:

- Over 4 days participants conduct an experiment / research project in small groups of 2 to 3
- No cost to the participants, over the course of the program participants stay at local hotel

	Wednesday	Thursday	Friday	Saturday
3 hours		1st Project Phase	3rd Project Phase	5th Project Phase
		Joint Lunch		
4 hours	Arrival & Check-In	2nd Project Phase	Study Q&A 4th Project Phase	Final Colloquium
		Coffee Break		
	Welcome	2nd Project Phase	4th Project Phase	Departure
	Reception	Team Building Event	Campus Tour Joint Dinner	



*'Invented' by Kiel, also in Hamburg



Public talk: *Von nichts kommt... alles! Die Schatzkammer des leeren Raums.*

10 November 2023, Aachen ●
 "5 to 12" RWTH Science Night (DE/EN) ↗

.. Upcoming Events

Jahr der Wissenschaft 2023

UNSER UNIVERSUM

NATURKUNDEMUSEUM KARLSRUHE

Vortragsreihe von KCETA-Wissenschaftlern im Naturkundemuseum Karlsruhe
 17. und 31. Okt., 28. Nov. 2023



Woche der Teilchenwelt

6–12.11.2023



Das Standardmodell der Teilchenphysik beinhaltet alle bekannte Materie in Form von Quarks und Leptonen, sowie alle Kräfteübertragenden Teilchen (Photonen, Gluonen und elektro-schwache Eichbosonen) und das Higgsteilchen, das allen Elementarteilchen eine Masse gibt. Am 4.7.2012 wurde am CERN die Entdeckung des

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Programm:

- 16:45 Ausstellung Teilchenphysik an der Uni Siegen
- 18:00 Filmvorführung "Particle Fever"
 Dokumentation zur Entdeckung des Higgsteilchens
- 20:00 Ausklingen der Veranstaltung mit Siegerländer Spezialitäten




... am ATLAS Detektor am CERN
 ... karmen.DPardos@uni-siegen.de

Freitag 9.11.2023, 16:00 Uhr
 Universität Siegen
 Emmy Noether Campus
 Flex Str. 3, 57072 Siegen
 Hörsaal ENC-D114


<https://www.wocherteilchenwelt.de/#woche>

CRC Podcast: The Idea

- **Motivation:** Joined CRC Outreach Project - NOT site specific
- **What:** Interviews, not symmetric chat
- **Who:** Any combinations of PIs, PostDocs, PhDs possible
 - Special case: Julia from Campus Radio interviewed Martin Lang
- **Topic:** Career path, personal experience, challenges etc. -> not focused on scientific topics
- **Length:** Flexible, so far 15-50 min
- **Target Audience:** High School students, young university students (and of course anyone who is interested;))

P H

Strange and Charming
Chats with physicists

You can find first Podcasts here:

- <https://web.physik.rwth-aachen.de/user/harlander/tmp/CRCPodcasts/>

Robert Harlander interviews **Alexander Lenz**

Sprache: deutsch

Dauer: 48:56 Minuten

Alexander Lenz (Uni Siegen) talks to Robert Harlander (RWTH Aachen) about his career path from Munich via Regensburg and Durham to Siegen university, what this means for a family of four, and the relation between scottish whisky and particle physics.

Julia Thomas interviews **Martin Lang**

Sprache: deutsch

Dauer: 14:50 Minuten

Martin Lang (Uni Siegen) talks to Julia Thomas (KIT Campus Radio) about the daily life as a PhD student in theoretical particle physics. Warning: parts of this podcast may contain severe doses of theoretical physics!

Anton Olsson interviews **Eleftheria Malami**

Language: english

Duration: 24:32 minutes

Eleftheria Malami (Uni Siegen) talks to Anton Olsson (KIT) about her way from Greece via the Netherlands to Siegen university, life in academia, and how a good work-life-balance keeps up the motivation for physics.

Henda Mansour interviews **Felix Kahlhöfer**

Language: english

Duration: 48:34 minutes

Henda Mansour (KIT) talks to Felix Kahlhöfer (KIT) about his first steps into research within "Jugend forscht", his favorite past and future experiments, and what it takes to establish a lively research group.

Review Process

- Editors: Robert Harlander, Felix Kahlhöfer
- Podcasts will be sent to internal & anonymous referees among us
- Referees give feedback among guidelines
 - Topic, Atmosphere, Technical Requirements

**Anyhow, we are looking forward to
feedback of anyone who already
listened to the podcasts!**

What can YOU do?

- Listen to the podcasts and give feedback
- Volunteer to act as Referee
- Share Podcasts with family members, friends; **Do not publish the link yet**
- **Join as interviewer/ being interviewed!**

Thank you for your attention

... and don't forget to follow the subatomic heroes on Instagram!

