



Forum General Assembly Forum Vollversammlung

16. September 2025, 15:00 – 17:00, Welcome 10'

Erik Bründermann for the KfB

KOMITEE FÜR
**BESCHLEUNIGER-
PHYSIK**



KfB

Today: <https://indico.global/e/forum2025>

- 15:00 Welcome, Comments on ErUM-Pro, and Q&A
- 15:10 DIG-UM presentation, Comments on ErUM-Data, and Q&A, Thomas Kuhr
- 15:20 KET presentation and Q&A, Michael Duehrssen-Debling
- 15:30 KFS presentation and Q&A, Christian Gutt
- 15:40 KFN presentation and Q&A, Mirijam Zobel
- 15:50 Open discussion with members of DIG-UM, KET, KFS, KFN, KHuK, KFSI, KAT, KfB
 1. Wishes to/from the accelerator community
 2. Improving networking between the committees and organisations
- 16:00 Short break
- 16:05 KfB Report
 1. Report on KfB activities, 2. Upcoming election of KfB (term: 2026 to 2028)
 3. Website(s), 4. Membership administration, 5. Statutes (Satzung), 6. AOB
- 16:35 KfB strategy brochure incl. website re-launch and Q&A, Bastian Haerer
- 16:55 Wrap-up and closing
- 17:00 Break
- 17:05 Q&A with the KfB (*optional*)

1. Introduction to the KfB
2. Comments on ErUM-Pro
3. Q&A

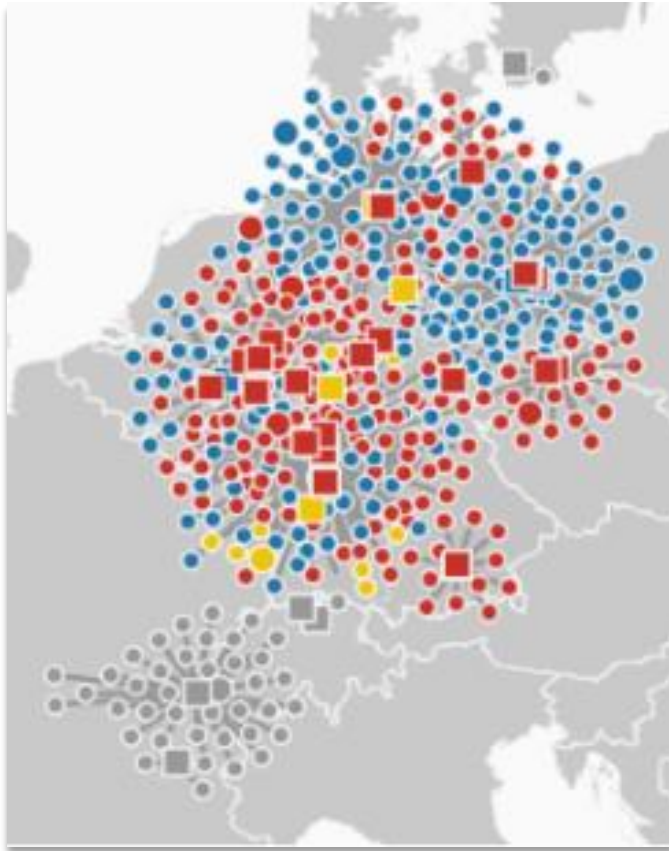
Forum and 5. KfB

New: Download area
<https://indico.global/e/kfbarchive>



From Universities, Helmholtz, International, Labs

Accelerator R&D



Beschleunigerforschung

 KfB-Vorsitender Dr. ERIK BRÜNDERMANN KIT Helmholtz-Zentren	H	 Stellv. KfB-Vorsitender Prof. Dr. FLORIAN HUG Uni Mainz Universitäten	U
 KfB-Mitglied Dr. MICHAELA ARNOLD TU Darmstadt Universitäten	U	 KfB-Mitglied Dr. PAUL GOSLAWSKI HZB Helmholtz-Zentren	H
 KfB-Mitglied Dr. BASTIAN HÄRER KIT Universitäten	U	 KfB-Mitglied CARSTEN MAI TU Dortmund Universitäten	U
 KfB-Mitglied Dr. EVA PANOFSKI DESY Helmholtz-Zentren	H	 KfB-Mitglied Dr. MICHAELA SCHAUMANN DESY Helmholtz-Zentren	H
 KfB-Mitglied Dr. LUCAS SCHAPER DESY Helmholtz-Zentren	H	 KfB-Mitglied Dr. MARC WENSKAT Uni Hamburg Universitäten	U
 KfB-Mitglied Dr. FRANK TECKER CERN Ausländische Institute	I	CERN, DESY, HZB, KIT, U Hamburg, U Mainz, TU Darmstadt, TU Dortmund www.beschleunigerphysik.de/de/kfb/	

Your KfB colleague near you



5th (3-year-period) KfB from 2023 to 2025

- 5. Jan 2023, official constituting meeting
- **Elected by the FORUM** (email list > 350 persons)
- The FORUM community: **accelerator physicists**, engineers, computer scientists, mathematicians, and more
- **Cross-sectional technologies in Accelerator R&D**

KfB roles, activities, and actions

- **Contact** for politics, industry, media
- **Recommendations on R&D topics**
- Links to DIG-UM/ErUM-Data-Hub, yHEP, KET, KHuK, KFS, ...
- **Sustainable research infrastructures**
- Promoting **networking, early-career researchers** and **young talents**

Prisma Strategy Discussions and Calls

Cross-cutting topic: Accelerator Research

Querschnittsthema: Beschleunigerforschung

Aktionsplan ErUM

(Erforschung von Universum und Materie)

ErUM-Pro Teilchen, ErUM-Pro Materie

ErUM-Data

ErUM-Transfer

Prisma-Trialog Nachhaltigkeit

Transition from BMBF to BMFTR

PT.DESY | DESY Projektträger

PT.DESY Home / Bekanntmachungen /

Bekanntmachungen

Hinweise und Unterlagen zu Bekanntmachungen des Bundesministeriums aus den Gebieten Teilchen, Materie, Universum und Mathematik

Info

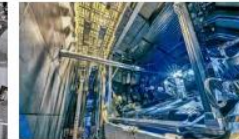
> Aktuelle Bekanntmachungen von Förderprogrammen und Förderrichtlinien des BMFTR

📄 Allgemeine Hinweise zur Skizzeneinreichung (64KB)
Allgemeine Hinweise zur Skizzeneinreichung

> FAQ - Häufig gestellte Fragen



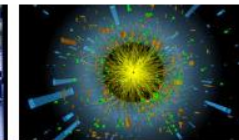
Materie - Röntgen-Ängström-Cluster >
Bekanntmachung vom 14.08.2025



Teilchen >
Bekanntmachung vom 30.03.2023



Mathematik >
Bekanntmachung vom 20.12.2024



Data >
Bekanntmachung vom 30.09.2024



Materie >
Bekanntmachung vom 20.08.2024



Archiv >
Frühere Förderrichtlinien

Image source: https://pt.desy.de/bekanntmachungen/index_ger.html
Screenshot: 16.09.2025

Fewer personnel & opportunities

Baby boomers retire

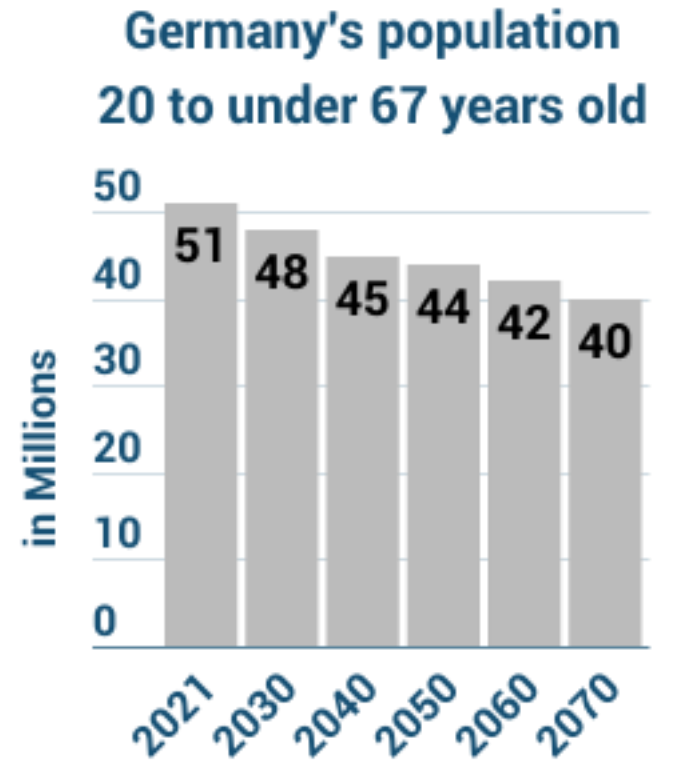


- **Skilled personnel** (technicians, engineers, physicists, ...) **retire at an accelerated pace.**

Fewer opportunities for education & research



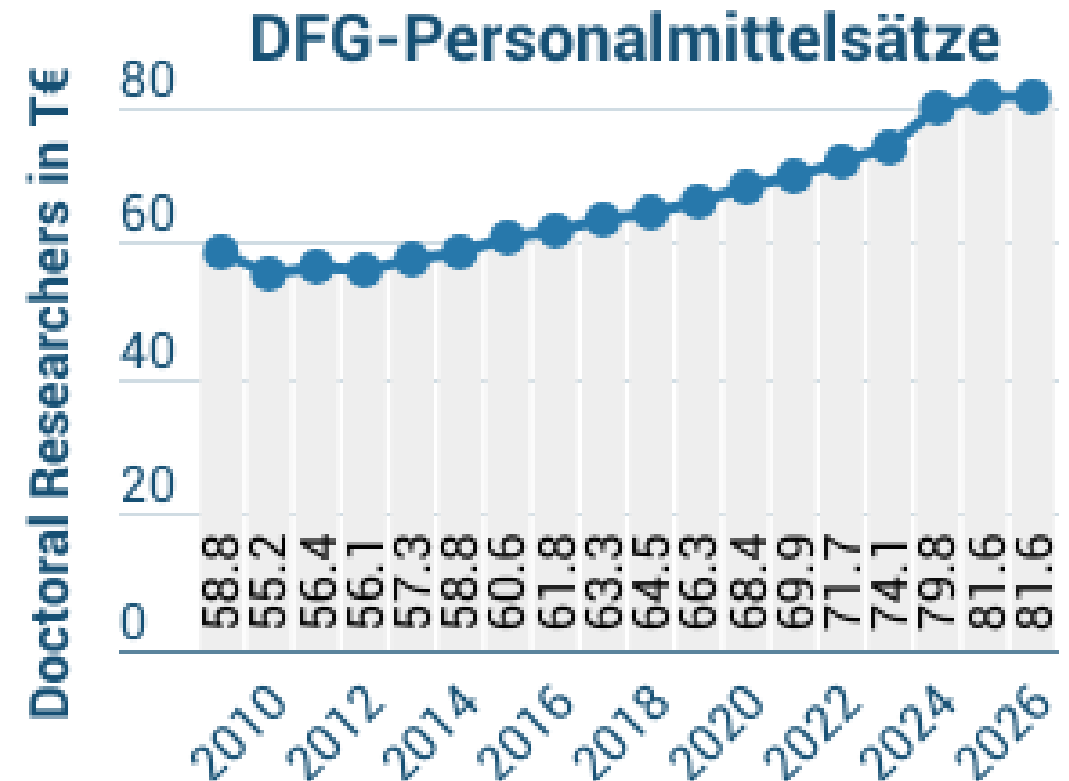
- **Accelerators** close for particle physics and for photon science in research and **for education.**
- COSY at Forschungszentrum Jülich **closed**, DELTA at TU Dortmund will **close soon.**



Source: Statistisches
Bundesamt 2022-12-02

Need for talents and personnel costs

To continue developing and operating world-class accelerators and research facilities, we must inspire and attract young talent into R&D. The future depends on them.

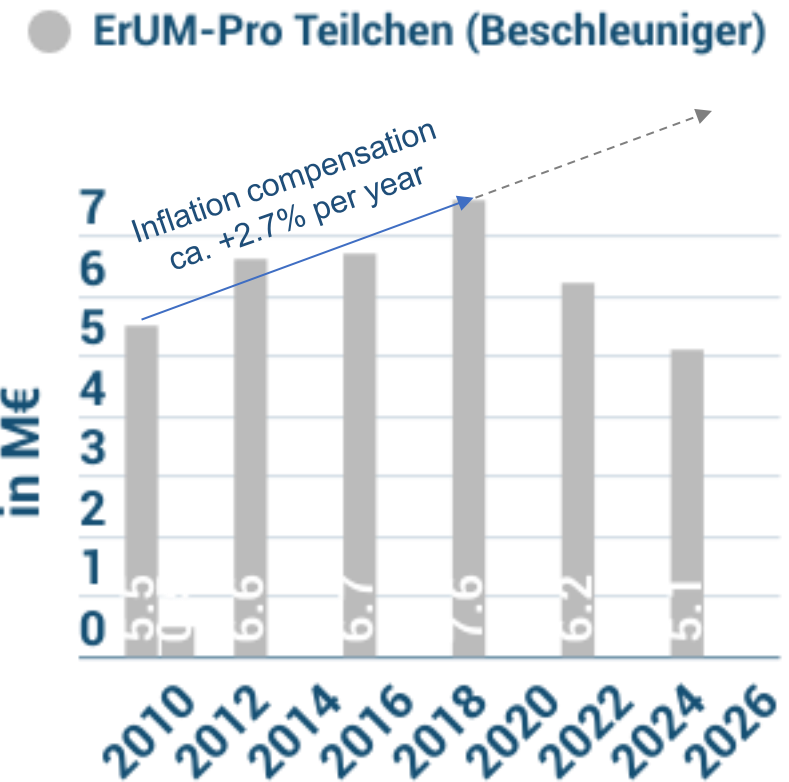
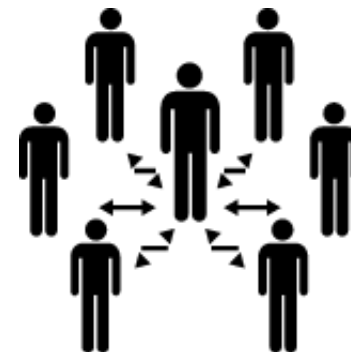


<https://www.dfg.de/de/formulare-60-12-246894>




Skilled accelerator personnel gets rare

Education and training challenges

- **Funding for Accelerator R&D “Teilchen”** was drastically **reduced**.
 - Personalmittelsätze (DFG), sum for 3 years:
PhD: 0.245 M€, PostDoc: 0.264 M€ (2025).
- To **attract highly qualified staff and educators**, training grounds must be appealing, as high-level **training of young talents is essential**.
- Cross-sectional **domain knowledge is mandatory**.



Excerpt Förderkatalog: Accelerator R&D

ErUM-Pro	Total in M€	Accelerator R&D In M€	ARD/Total	Personell In M€	Projects	T€ / project / year
Teilchen – 2021	104.2	 6.2	6%	3.8	12	~ 170
Teilchen – 2024	99.8	5.1	5%	3.8	14	~ 120
Materie – 2019		 13.1		8.3	35	~ 125
Materie – 2022	71.7	10.7	15%	7.0	26	~ 135
Materie – 2025	ca. 63	 10.4	16%		24 (4S+8V)	~ 145

Numbers without guarantee / ohne Gewähr

Reduced funding & increasing salaries

**In future, fewer young talents
(also to operate accelerators)**

Q&A