

# News from PT.DESY

Annual Workshop on Ion and Particle Beams 2025

Rebecca Redlin  
22nd September 2025

# BMFTR & PT.DESY



DESY  
PROJEKTTRÄGER

# Who is who

The Federal Ministry of Research, Technology and Space (BMFTR)



Dorothee Bär,  
Federal Minister

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Dr. Silke Launert,  
Parliamentary State  
Secretary

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Steins



Matthias Hauer,  
Parliamentary State  
Secretary

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Bergmann



Dr. Rolf-Dieter  
Jungk,  
State Secretary

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Dr. Marcus Pleyer,  
State Secretary

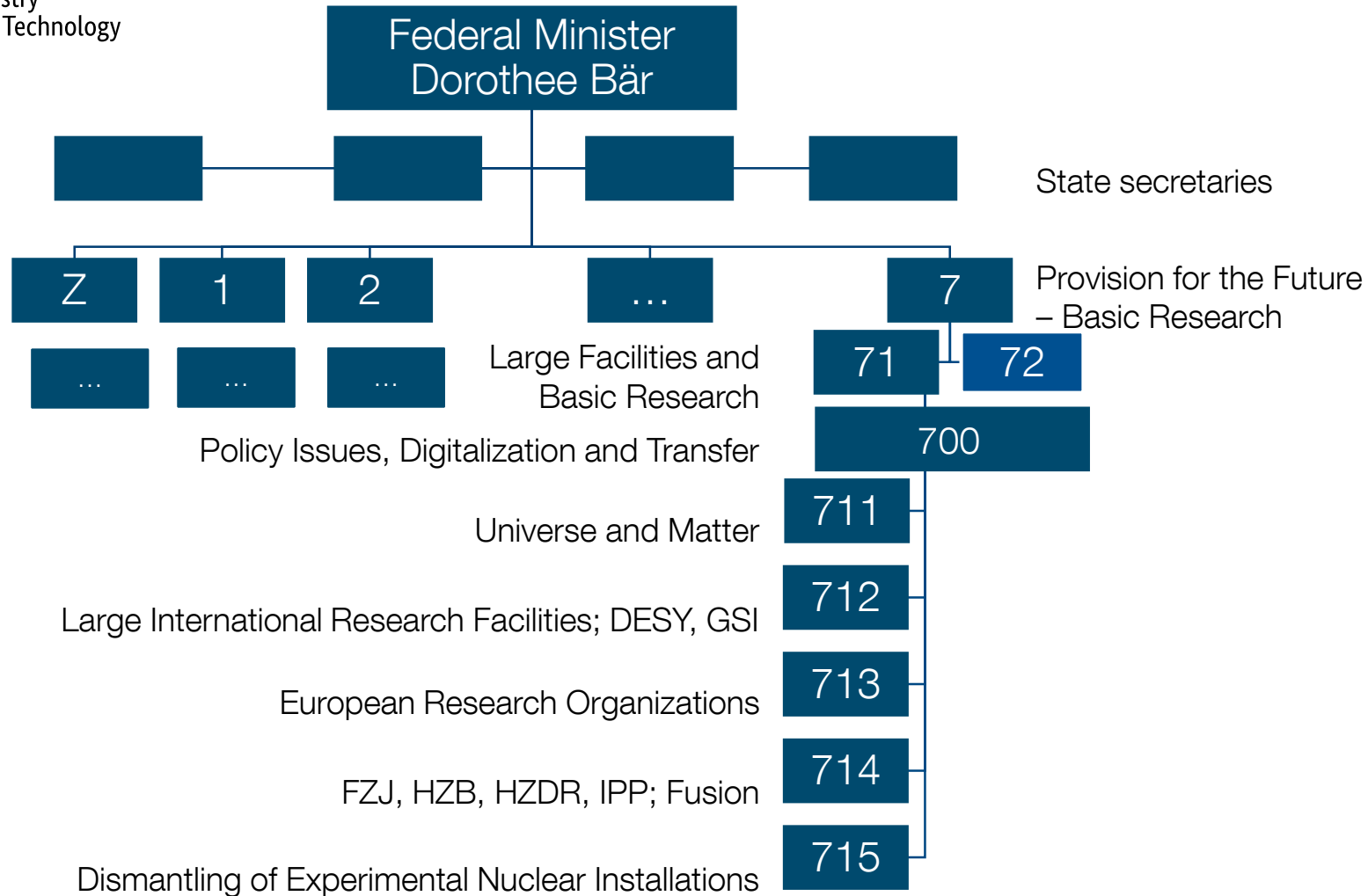
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# Who is who

## The Federal Ministry of Research, Technology and Space (BMFTR)



Federal Ministry  
of Research, Technology  
and Space



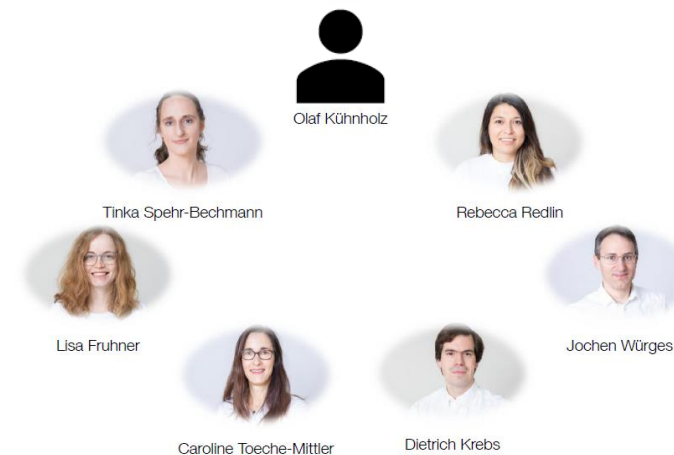
# Who is who

## DESY Projektträger: Project management for sub department 71

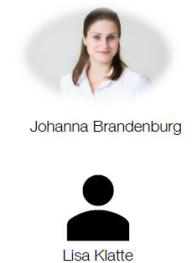


The screenshot shows the PT.DESY website. At the top left is the DESY logo. Below it is a navigation menu with links: PT.DESY HOME, WER WIR SIND, WAS WIR LEISTEN, BEKANNTMACHUNGEN, FÜR ZUWENDUNGSEMPFÄNGER (highlighted in orange), KARRIERE, and KONTAKT. The main header area includes the text 'Deutsches Elektronen-Synchrotron DESY Ein Forschungszentrum der Helmholtz-Gemeinschaft' and a navigation bar with links: DESY HOME | FORSCHUNG | AKTUELLES | ÜBER DESY | KARRIERE | KONTAKT. The main content area has a blue header with 'PT.DESY | DESY Projektträger'. Below this is a breadcrumb trail: 'PT.DESY Home / Für Zuwendungsempfänger /'. The main heading is 'Für Zuwendungsempfänger'. The text below reads: 'Wir begleiten Sie auch bei der Durchführung Ihres geförderten Projekts bis zum Abschluss.' and 'Hier finden Sie Hinweise und Antworten zu FAQs sowie Formulare zum Download.' To the right is an 'Infos' section with links: 'Förderportal des Bundes', 'easy-online Antragssystem', 'profi-Online Verwaltung', 'Upload-Server', and 'Intern'. At the bottom are two boxes: 'Allgemeine Hinweise' with the text 'Hier finden Sie Hinweise während der Projektlaufzeit' and 'Reisen nach außerhalb Europas' with the text 'Eine zusätzliche Beantragung ist nicht mehr notwendig.'

 [pt.desy.de](https://pt.desy.de)



Förderbereichsbüro



# Framework programme ErUM



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# ErUM: Exploration of the Universe and Matter

BMBF framework programme and action plans for basic research

Strategic and thematic framework for  
basic research at large-scale facilities



## Action Plans

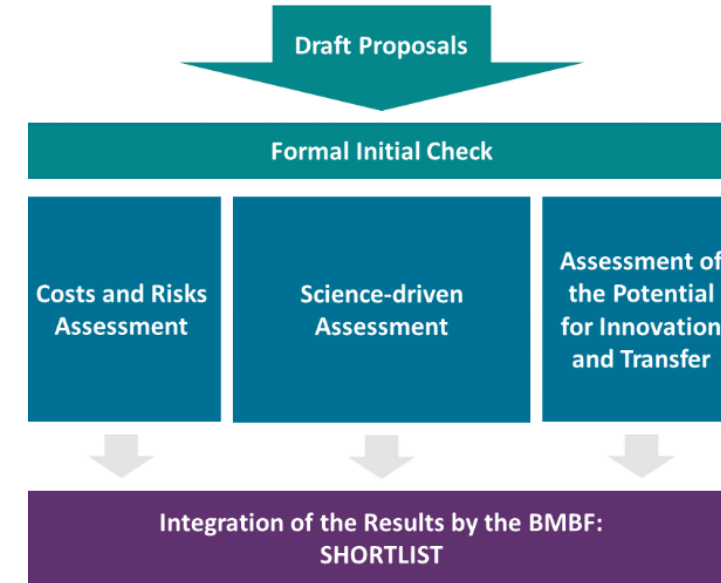
- 2018: ErUM-Pro
- 2020: ErUM-Data
- 2023: ErUM-Transfer



# National prioritisation process

for large Research Infrastructures (RI)

- New assessment process of plans for potential ...
  - new large RI
  - substantial upgrade of RI
  - new involvement in international RI
- Assessment by: German Science and Humanities Council (WR) + panels of external & international experts
- Prioritization by BMFTR → SHORTLIST
  - prioritized implementation of RI
  - no commitment to provide financing
  - decision-making process will follow
- Future aim: maintain prioritization process on a regular basis



SHORTLIST:

- Creation
- DALI
- ET (preliminary Phase)
- HBS-I (Neutronsources)
- IceCube-Gen2
- LEGEND-1000
- PETRA IV
- RIDLOP
- SLICES-DE



# Hightech Agenda: Focus on six key technologies

Aim: Germany becomes a leading location for new technologies (again)

- Strengthens economic power
- Ensures independence
- Attracts talented people

## Key technologies

- Artificial intelligence
- Quantum technologies
- Microelectronics
- Biotechnology
- Fusion and climate-neutral energy generation
- Climate-neutral mobility
- **ErUM is an essential enabler in all these key technologies**



# FP10

## Next EU Research Framework Programme

### Funding

- 07/2025: Commission's proposal for Multiannual Financial Framework 2028–34
  - European Competitiveness Fund (ECF): app. 410 billion EUR
  - FP10: app. 175 billion EUR = doubling of Horizon Europe's current budget
- proposals still to be negotiated with European Parliament AND Member States

### Focus

- ECF: clean transition and decarbonisation; digital transition; health, biotech, agriculture and bioeconomy; defence and space
- FP10:
  - Pillar I: Excellent Science (ERC, MSCA, JRC)
  - Pillar II: Competitiveness and Society
  - Pillar III: Innovation (EIC; Innovation Ecosystems)
  - Pillar IV: ERA
    - Reforming and enhancing the European R&I system
    - Widening participation and spreading excellence
    - Research and technology infrastructures

# Current activities in the ErUM field "Matter"



# Funding Call ErUM - "Materie 2025-2028"

## Goal

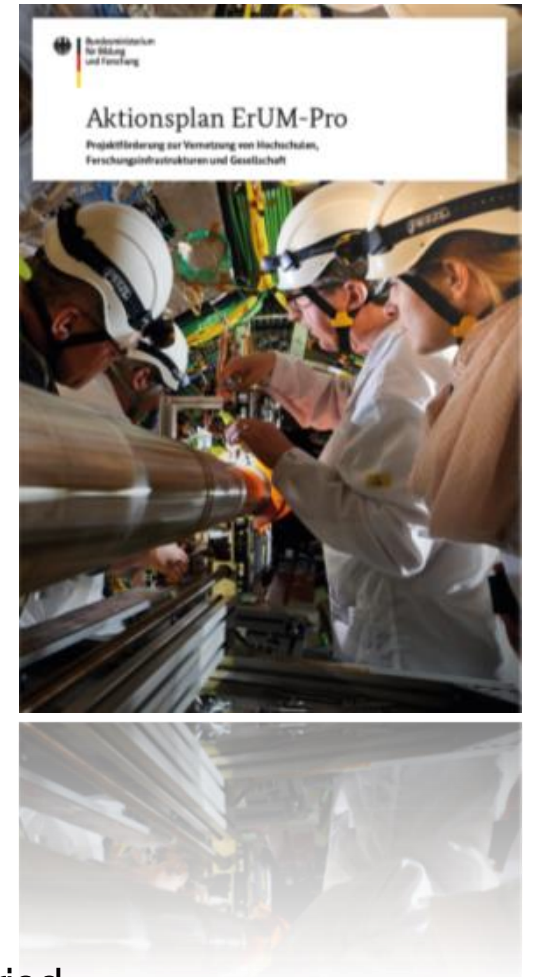
- Promoting scientific excellence at BMBF-funded large-scale research facilities
- Expanding capabilities and developing foundations for future research infrastructures
- Developing novel equipment/methods, key competencies, and technologies
- Broadening the user community in natural sciences basic research

## Eligible

- Novel instruments/methods for experiments on condensed matter
- Accelerator technology, key components (detectors, optics)
- Data processing methods (reduction, evaluation, visualization)

## Applicants

- Universities
- non-university research institutions and commercial enterprises (each in cooperation with universities)
- junior group leaders are explicitly encouraged



Funding period  
01/07/2025-30/06/2028

Contact: [materie.pt@desy.de](mailto:materie.pt@desy.de)  
Link: [20.08.2024 - Materie](#)

# Funding Call ErUM - "Data 2025-2028"

## Goal

- Addresses digitalization in sciences basic research across ErUM at large scale facilities
- Strengthen Germany as a research hub, contribute to the federal Digital Strategy and support BMFTRs AI Action plans

## Egible

- Extension compared to the first call in 2021: Three pillars
  - Software and Algorithms
  - Research Data Management
  - Federated infrastructures

## Applicants

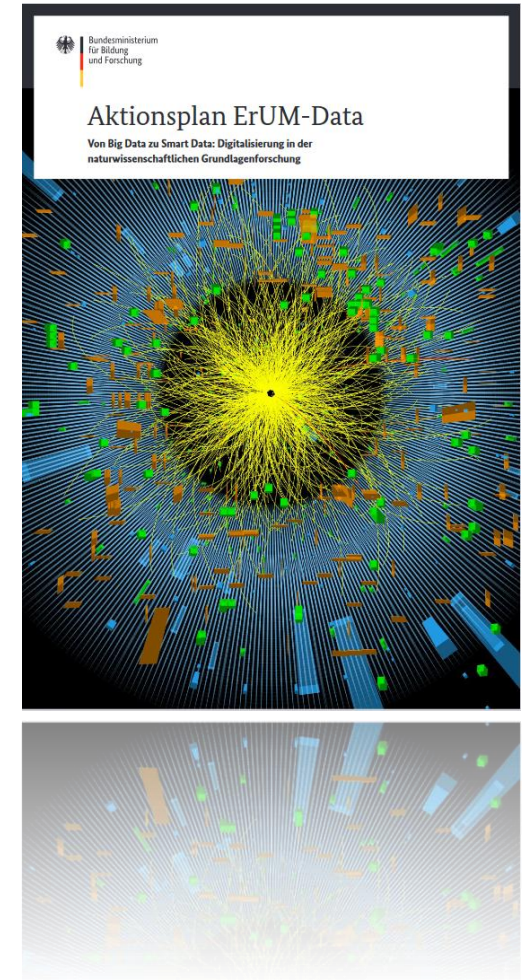
- Universities
- non-university research institutions and commercial enterprises (each in cooperation with universities)
- junior group leaders are explicitly encouraged

Funding period (presumably)  
01/11/2025-31/10/2028

Contact: [data.pt@desy.de](mailto:data.pt@desy.de)

Link: [30.09.2024 - Data](#)

Funding Notices are expected in October 2025



# Funding Call – "Röntgen-Ångström-Cluster (RÅC) 2026-2030"

## Goal

- Strengthen German-Swedish collaboration in materials research and structural biology
- Optimize use and enhance capabilities of large-scale neutron and synchrotron facilities
- Promote scientific excellence, talent development and technology transfer
- Focus on early utilization and commissioning of ESS

## Eligible

- Joint German-Swedish R&D projects
- Development of instruments, methods (hardware/software), and research techniques
- Focus on specific photon sources (e.g. BESSY II, XFEL, PETRA III, MAX IV, ESRF) and neutron sources (e.g. FRM II, ILL, ESS)

## Applicants

- Universities, non-university research institutions and commercial enterprises (each in cooperation with universities)
- Junior group leaders are explicitly encouraged
- Requires joint German and Swedish applications



Deadline: October 28, 2025

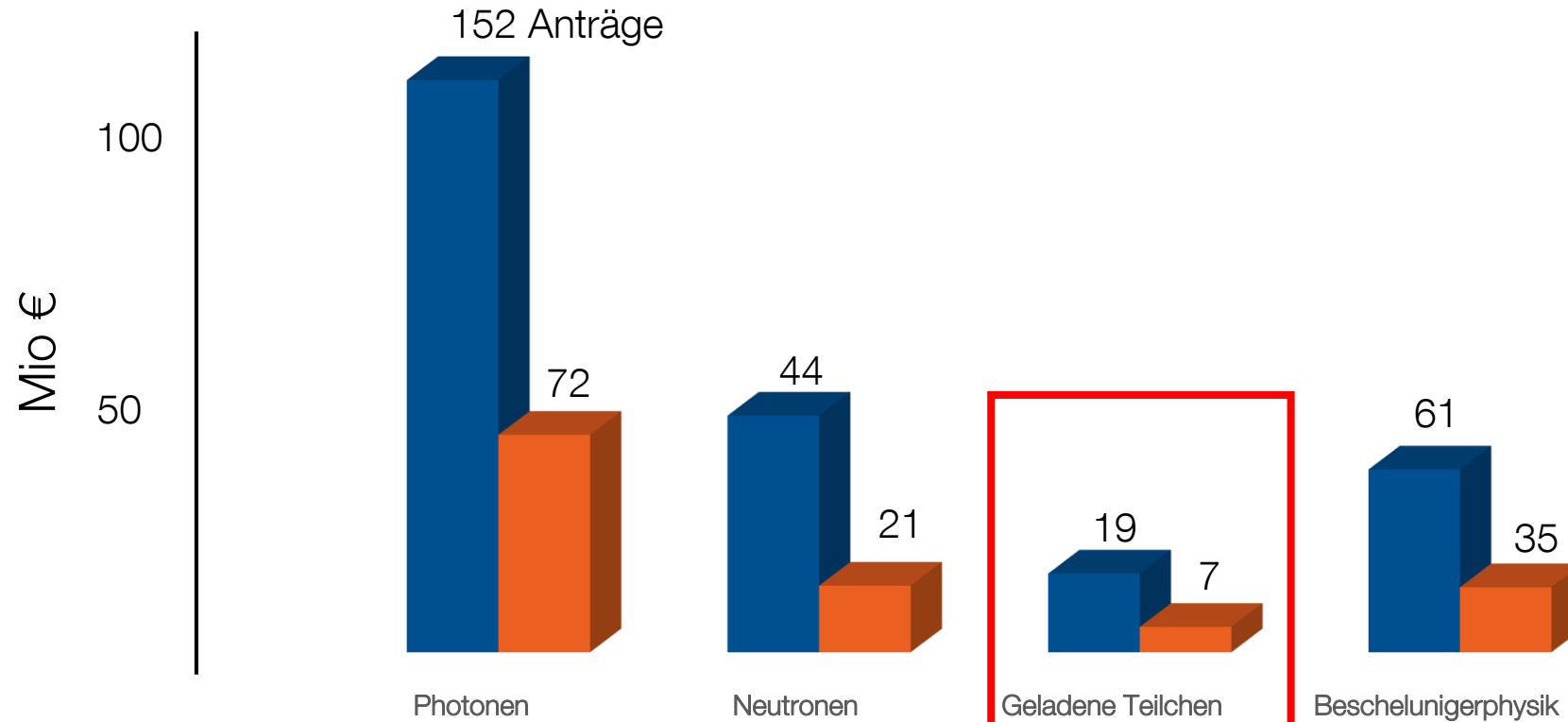
Funding period (presumably)  
01/07/2026-30/06/2030

Contact: [caroline.toeche-mittler@desy.de](mailto:caroline.toeche-mittler@desy.de)

Link: [14.08.2025 - Materie - RAC](#)

# Project Funding 2019-2022

Requested: 276 Projects 206.6 Mio €  
 Approved: 135 Projects 72.3 Mio € (~35 %)

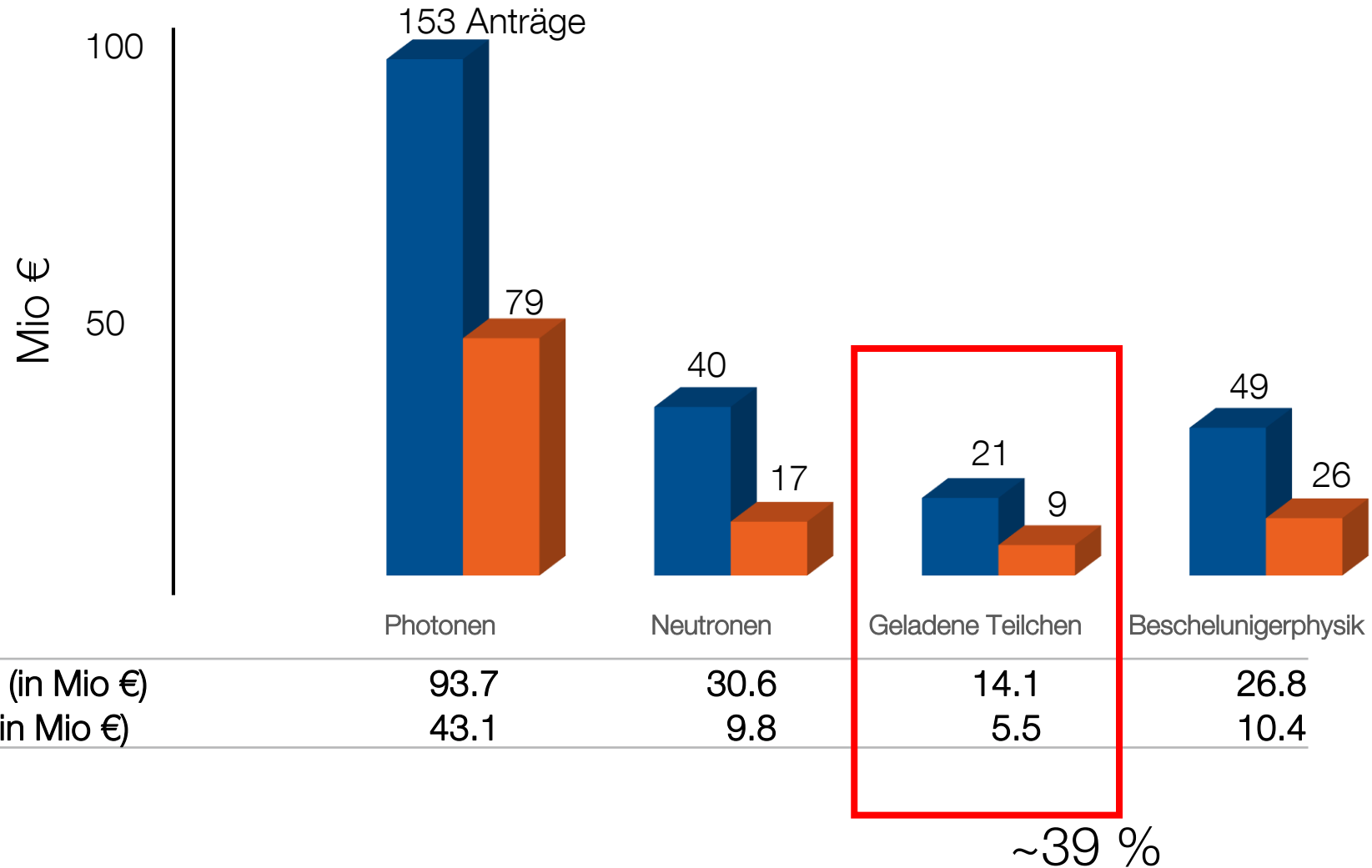


Requested (in Mio €)	110.40	45.70	15.20	35.30
Approved (in Mio €)	42.01	12.87	4.90	12.56

~32 %

# Project Funding 2022-2025

Requested: 263 Projects 165.2 Mio €  
Approved: 131 Projects 68.8 Mio € (~42 %)





# Info Event

## Essential Information for Successful Project Implementation

### Date & Time:

Friday, October 17, 2025 10:00 AM – 4:30 PM (Europe/Berlin)

### Who is it for?

Scientific and administrative project leaders of BMFTR-funded projects within the ErUM-Pro-Matter BUT also for students, PhDs, post docs that are involved in the funding process

### What to expect?

Concise delivery of all relevant information for successful project implementation  
From legal foundations to practical tips and financial reporting  
Answers to your questions regarding your research project

### Sessions:

10:00 AM - 11:30 AM	Focus on administrative questions (German)
3:00 PM - 4:30 PM	Focus on technical questions (English)

### Organized by:

DESY Projektträger Fachgruppe Materie

### Registration:

Register here: <https://indico.desy.de/event/50604/>

### Contact:

materie.pt@desy.de

# Thank you



**DESY**  
**PROJEKTTRÄGER**

## Kontakt

Deutsches Elektronen-Synchrotron DESY  
DESY Projektträger

[pt.desy.de](http://pt.desy.de)

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