

# LHC ErUM-FSP Office Update

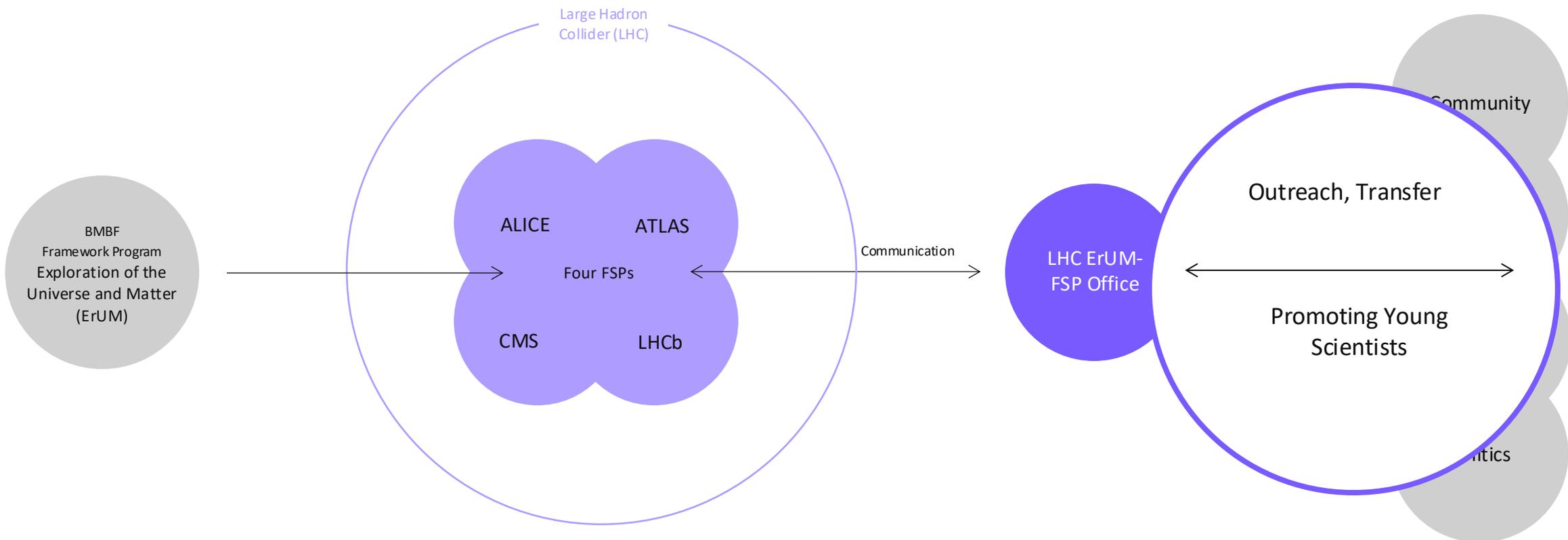
KHuK Annual Meeting 2024

Sophia Haves | LHC ErUM-FSP Office | RWTH Aachen

Marius Hoffmann | LHC ErUM-FSP Office | Universität Göttingen

# LHC ErUM-FSP Office

## Organizational Chart



# ErUM-FSPs at the LHC

## Participating Institutes

- 4 ErUM-FSPs at the LHC: **ALICE**, ATLAS, CMS and LHCb
- 23 universities from all over Germany
- 6 scientific institutions (Helmholtz Association of German Research Centres and Max Planck Society for the Advancement of Science)
- more than 1300 scientists

More information:

➔ [www.LHC-Deutschland.de](http://www.LHC-Deutschland.de)



# This Year's Activities

Trade Fair, CERN70 Event, App....

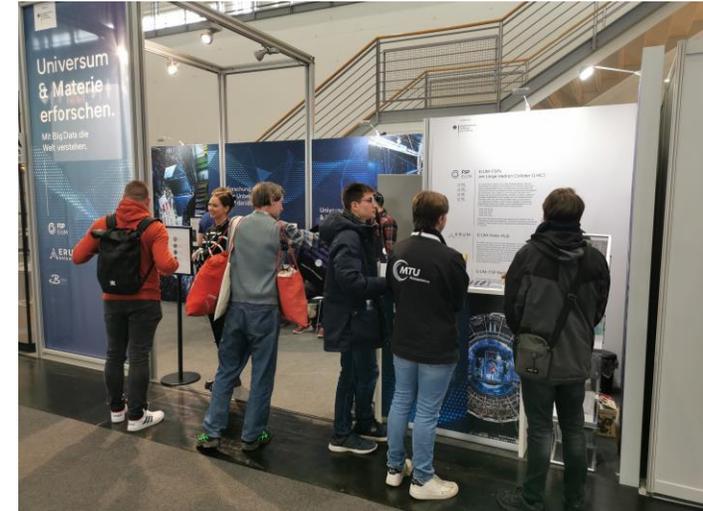
# This Year's Activities

## Conferences and Trade Fairs

- DPG Spring Meeting  
→ at the KIT in Karlsruhe / March 04 - 08, 2024



- Hannover Messe  
→ April 22 - 26, 2024
- joint booth with Belle II & ErUM-Data-Hub

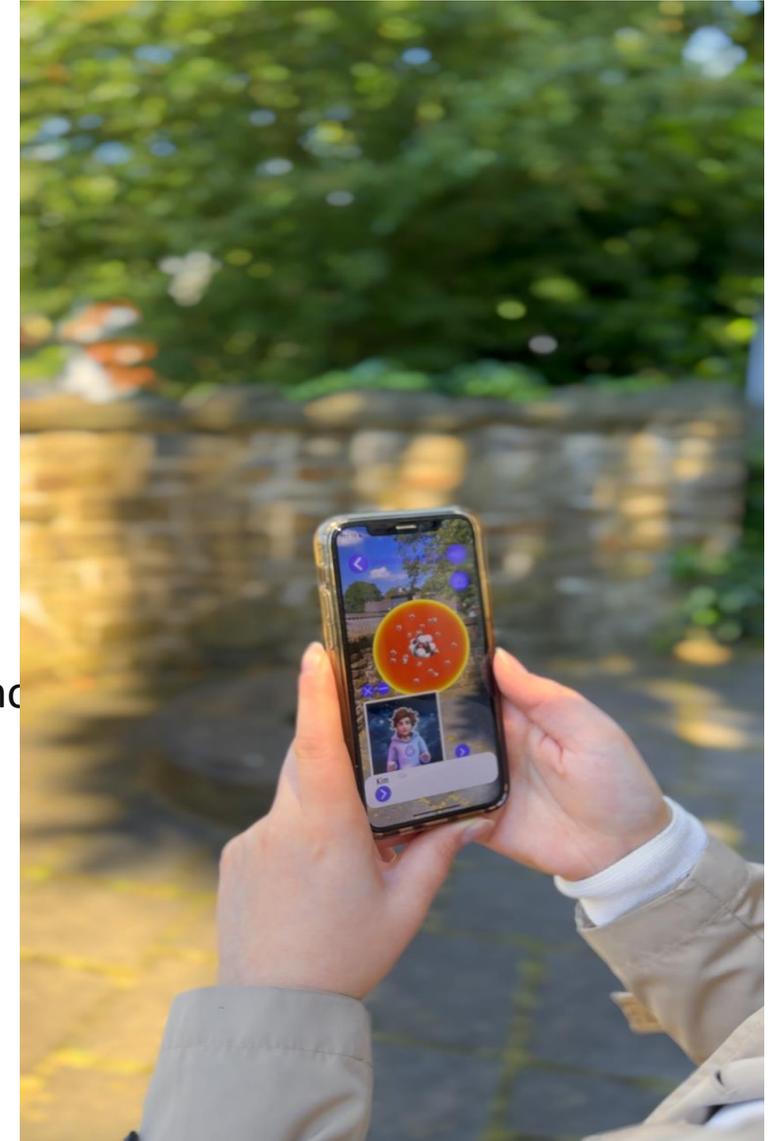


# This Year's Activities

## Augmented Reality App

Augmented Reality App „Das Teilchenuniversum“

- project of the Science Year 2023 “our universe”
- finalization and publication of the Augmented Reality App "Das Teilchenuniversum“
- launch in Berlin at the beginning of September as part of the CERN70 ceremony

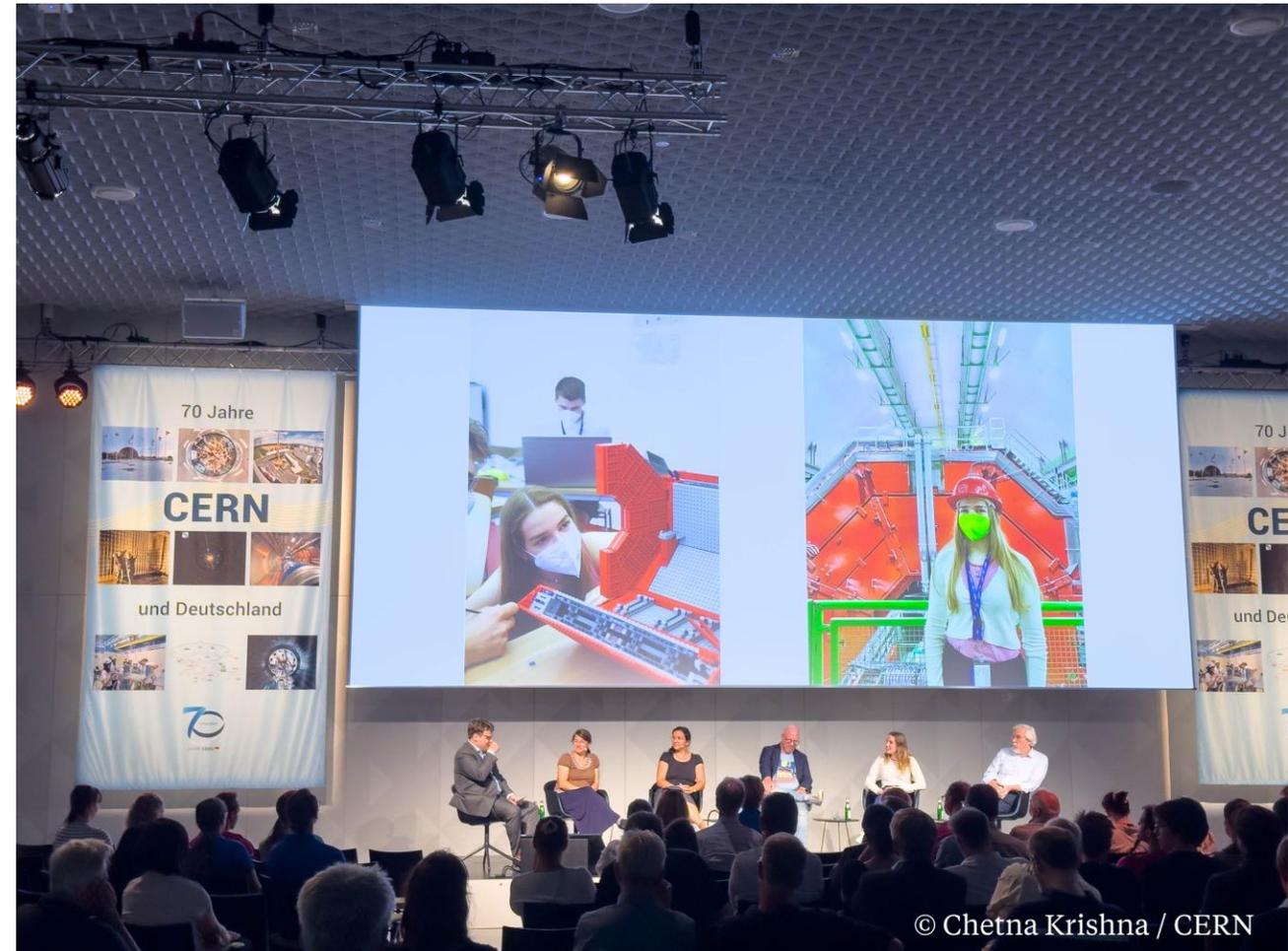


# This Year's Activities

## CERN70 Celebration Event

CERN 70 / September 01 – 04.

- involvement in the organisation of the major event to mark CERN's 70th birthday
- planning and implementation of the program for one of the major evening events



# Promoting Young Scientists

## „Soft Skill Autumn“

- „Soft Skill Autumn“ with various coachings
- october / november 2024
- topics:
  - leadership
  - project management
  - rhetoric
  - scientific communication
  - presenting for scientists
- 3 half days / 12 participants each



# Upcoming Events and Activities

Transfer Workshop, English Materials...

# Industry Transfer and Networking Day

## Cooperation with ErUM Data Hub



- cooperation with ErUM Data Hub
- networking of scientists and industry partners
- explain the possibilities of joint projects

-> registration and further information can be found here:

<https://indico.desy.de/event/46056/overview>

## Transfer Workshop: ErUM-Scientists & Industry in Dialogue

KNOWLEDGE EXCHANGE AND NETWORKING IN AACHEN



**Software & Algorithms**  
**Artificial Intelligence**

# Overview of the Ongoing Funding Period

## English Materials, New Image and Video Content...

# High-Quality Image and Video Content

## Trip to the FSP Locations in Germany

- tour to FSP-institutes to create image and video material
- for the LHC-Deutschland.de website and as a media database
- new info materials for trade fairs and events and other information graphics
- we welcome ideas and people who are interested in participating!

-> [info@lhc-deutschland.de](mailto:info@lhc-deutschland.de)

# Website & Brochure

## English Version

- embed high-quality image and video content here
- english version of LHC-Deutschland.de & the LHC-brochure



# Industry Fair

## ISC High Performance

- High profile conference and fair on HPC
  - first participation in 2023 with good response
  - Joint booth with FIDIUM and Daphne4NFDI projects
  - Interested or ideas for other fairs?
- [info@LHC-Deutschland.de](mailto:info@LHC-Deutschland.de)

ISC HIGH  
PERFORMANCE  
2025

JUNE 10-13, 2025  
HAMBURG  
GERMANY

# Future Plans

2024 - 2027

## Outreach

- translate brochure
- translation of the website
- production of high-quality images and videos
- increase awareness for ErUM-FSPs + grow network

## Promoting Young Scientists

- industry Transfer & Networking Event with ErUM-Data-Hub
- Entrepreneurial Workshops (t.b.d.)

## Transfer

- participate in established industry fairs (ISC High Performance)
- industry Transfer & Networking Event with ErUM-Data-Hub
- increase awareness for ErUM-FSPs in industry

# Collaboration?!

We are always looking for partners and projects

# Services and products

- corporate design material for events
  - e.g. industry fairs, public lectures, Open Days
  - order corporate design materials in from us
  - e.g. bags, pens, stickers
- you have interesting news?
- or ideas for website content?

E-Mail at:

→ [info@LHC-Deutschland.de](mailto:info@LHC-Deutschland.de)



# Presentation of the AR app “Das Teilchenuniversum”

Entwickelt im

Eine Initiative des Bundesministeriums  
für Bildung und Forschung

Wissenschaftsjahr 2023

unser  
**UNIVERSUM**

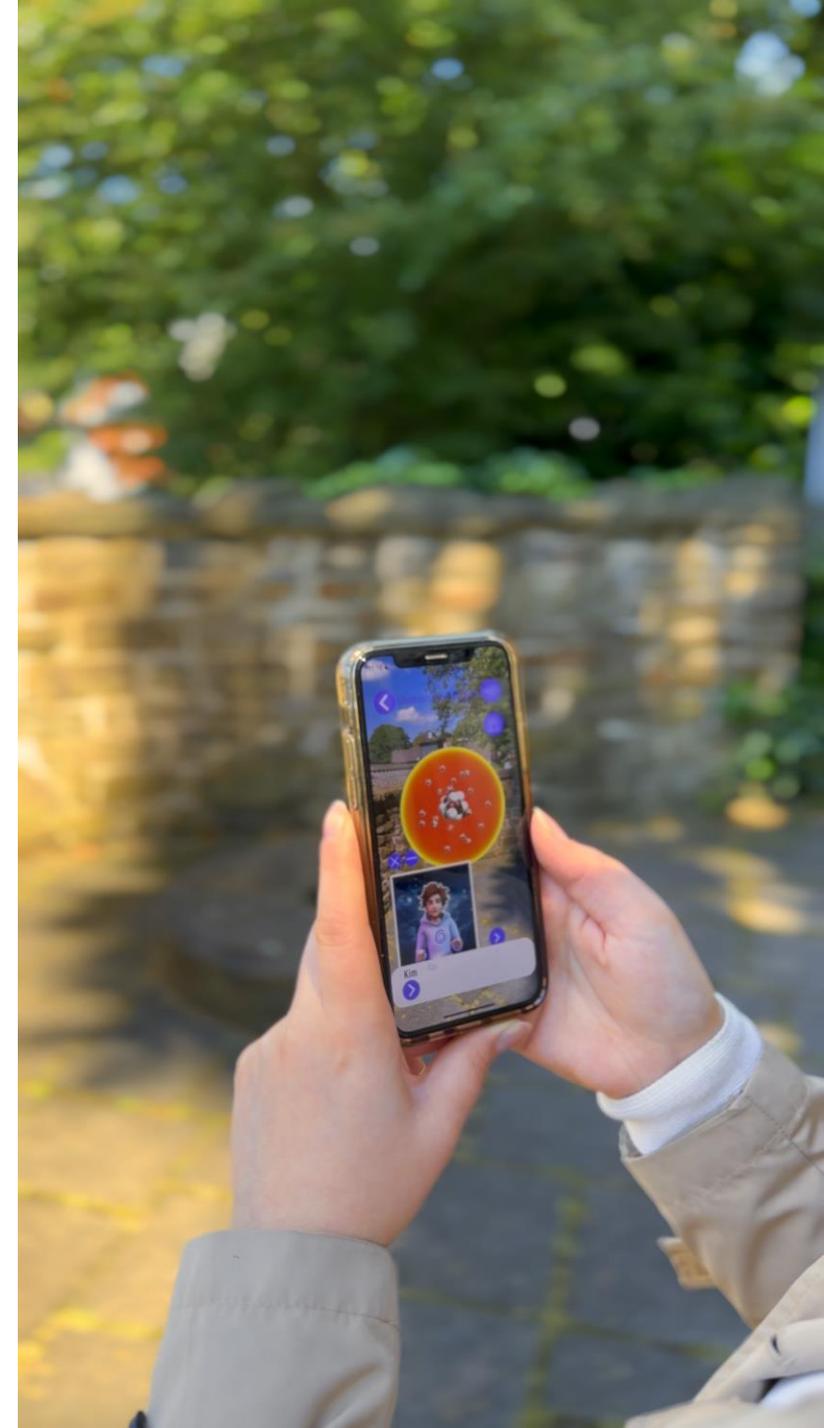


JAHRE CERN 

GEFÖRDERT VOM

# „Das Teilchenuniversum“

- ➔ Augmented reality (AR) as an introduction to the world of particle physics
- ➔ 10 stations, each with a topic and an AR animation about particle physics at the LHC

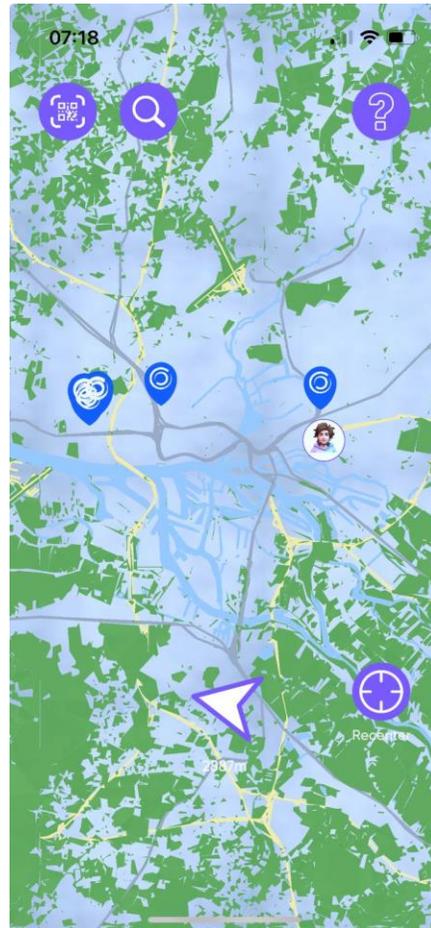


# An AR Experience Throughout Germany

## Two Possible Ways of Use

### With an interactive map

- ➔ Visit or create paths on the map
- ➔ Select a station and follow the instructions of the avatar “Kim”
- ➔ Visit or create the next station on the map



### With floor stickers

- ➔ Scan the QR code with the app
- ➔ Go directly to a station
- ➔ Complete the station and go to the next QR code



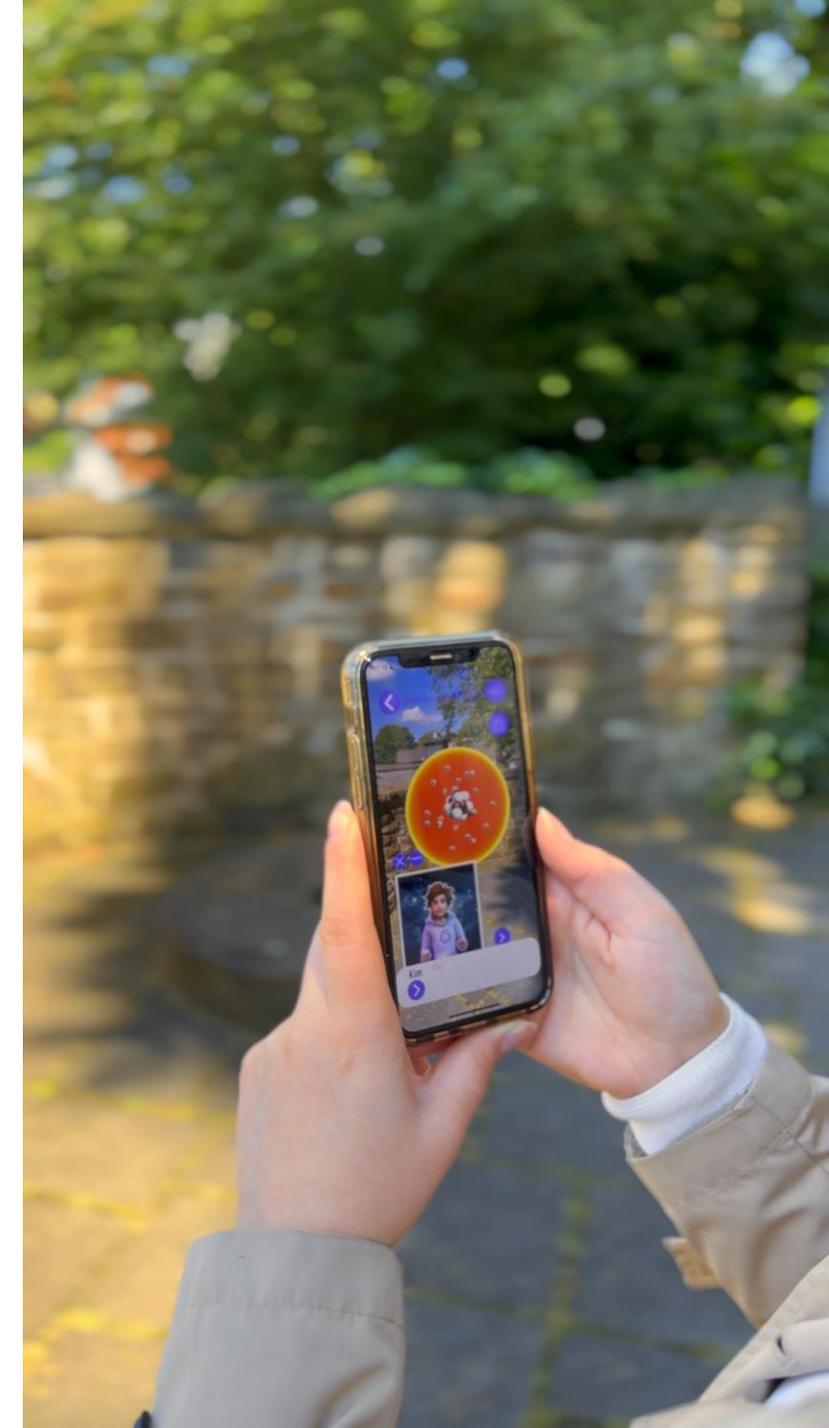
# Materials

- floor stickers (60x60cm)
- ideal for placement outdoors and in school playgrounds
- shelf life up to 6 months
- posters and flyers
- teaching material for the classroom on our website [lhc-deutschland.de/app](https://lhc-deutschland.de/app)
- requests to [info@lhc-deutschland.de](mailto:info@lhc-deutschland.de)



# Create your own stations

- place stations directly on the map in the app using the creation mode
- free positioning at locations with GPS reception
- created stations appear directly on the map
- share stations with friends via link or social media
- win great prizes



# Discover „Das Teilchenuniversum“ now Download for Android and iOS



[lhc-deutschland.de/app](https://lhc-deutschland.de/app)

# LHC ErUM-FSP Office

## Your Contact Persons



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