

ErUM-Data-Hub

The **ErUM*-Data-Hub** is the central networking and transfer office for the digital transformation in research on universe and matter (German abbreviation for ***ER**forschung von **U**niversum & **M**aterie).

In Germany, research on universe and matter is organized in 8 ErUM-communities: KAT, KET, KfB, KFN, KFS, KFSI, KHUK and RdS.



The key goals of the ErUM-Data-Hub are to promote networking, intensify exchange, expand digital competencies and further enhance communication within the ErUM-Data Community and with the interested public.

Belle 2

The ErUM research focus **Belle II** is an association of ten German institutes participating in the international particle physics experiment Belle II in Japan. The scientists want to improve our understanding of the elementary building blocks of nature by significantly enhancing the precision of measurements.

To achieve the scientific goal it is planned to collect 50 times more data than the predecessor experiment. State-of-the-art technologies, including artificial intelligence, are used to analyze the huge data set.



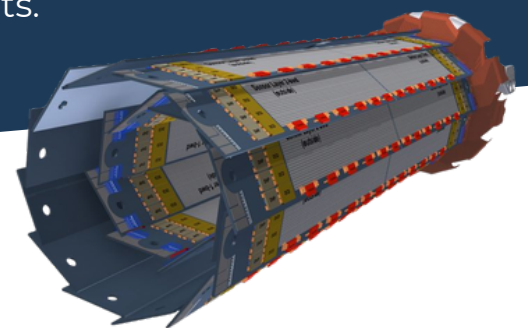
With joint forces, we are engaged in research to generate, manage, and make accessible big and complex scientific data sets.

Knowledge
TRANSFER

promote
EXCHANGE

establish
NETWORKING

(Science)
COMMUNICATION



BIG DATA

raise the awareness for
understanding the world with **BIG DATA**

How?



**Joint Stand
at Hannover
Messe
2023 & 2024**

**260.000
visitors
from 70
countries
4.000
exhibitors**



**BIG DATA
for
Big Science**

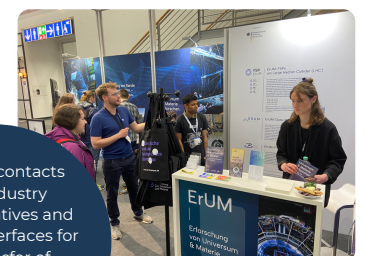


Lively discussions
with a broad public
contribute to
extend the
outreach of ErUM-
Research



Inform the
public about
(current) ErUM-
Research

Inform about the
daily work life of
ErUM-Scientists at
German institutes
and their research of
fundamental
principles of
Universe and
Matter



Establish contacts
with industry
representatives and
identify interfaces for
the transfer of
knowledge and
technologies into the
economy