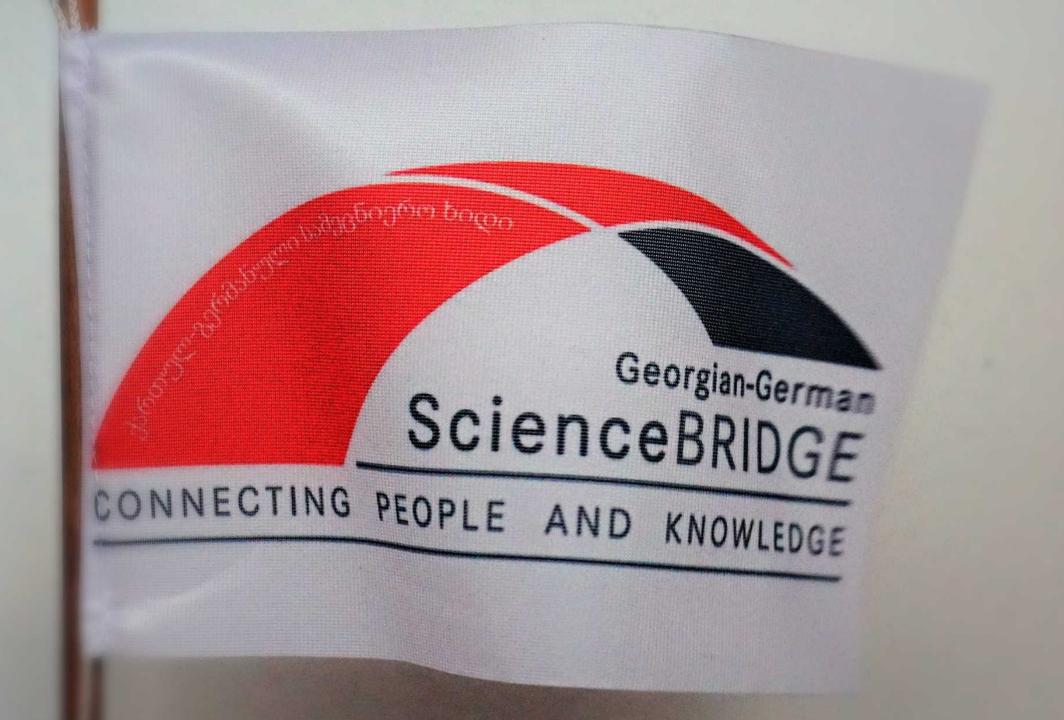
Hans Ströher (Forschungszentrum Jülich)

SCIENCE BRIDGE – CONNECTING PEOPLE AND KNOWLEDGE A Model for Scientific and Technological Cooperation



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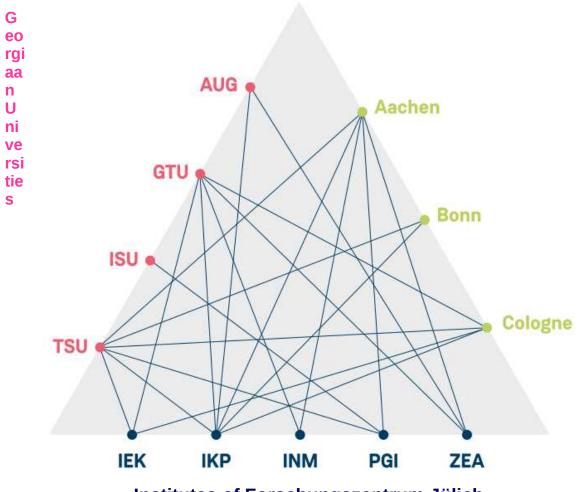
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Institutes of Forschungszentrum Jülich

### **Three Pillars**

Joi Rese

### Educational Training

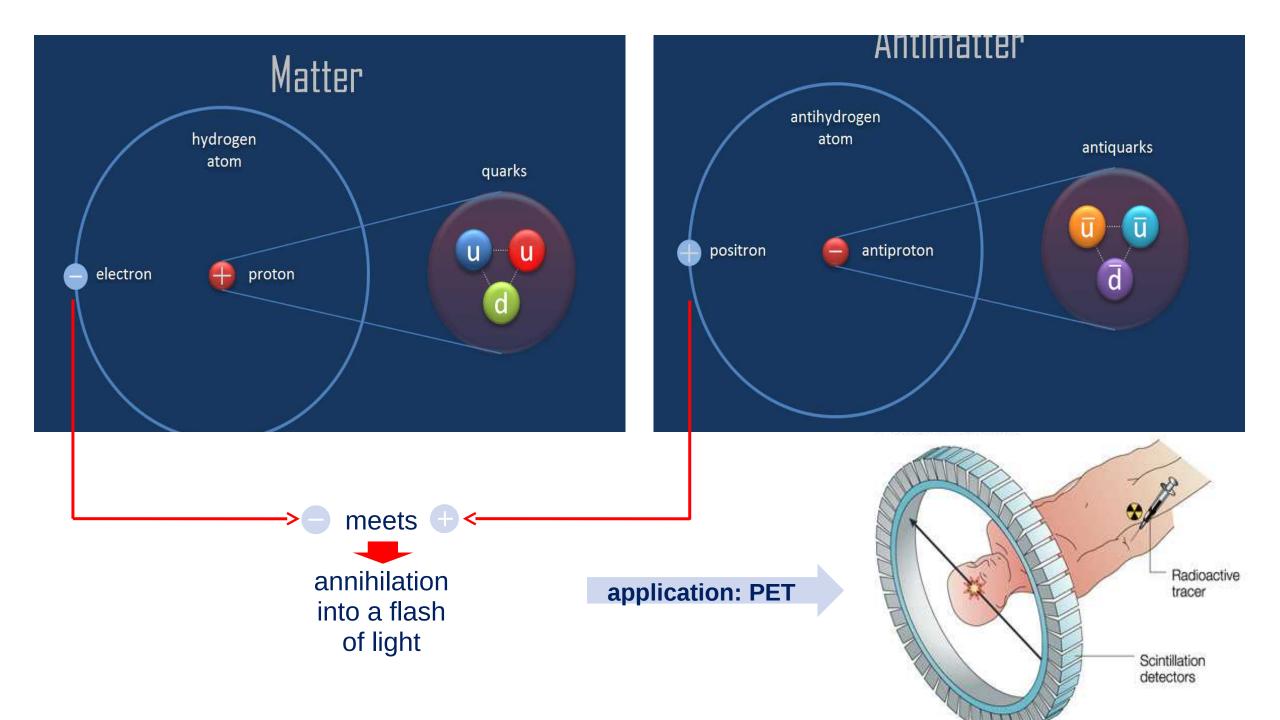
Knowledge Transfer

# Joint Research (I)

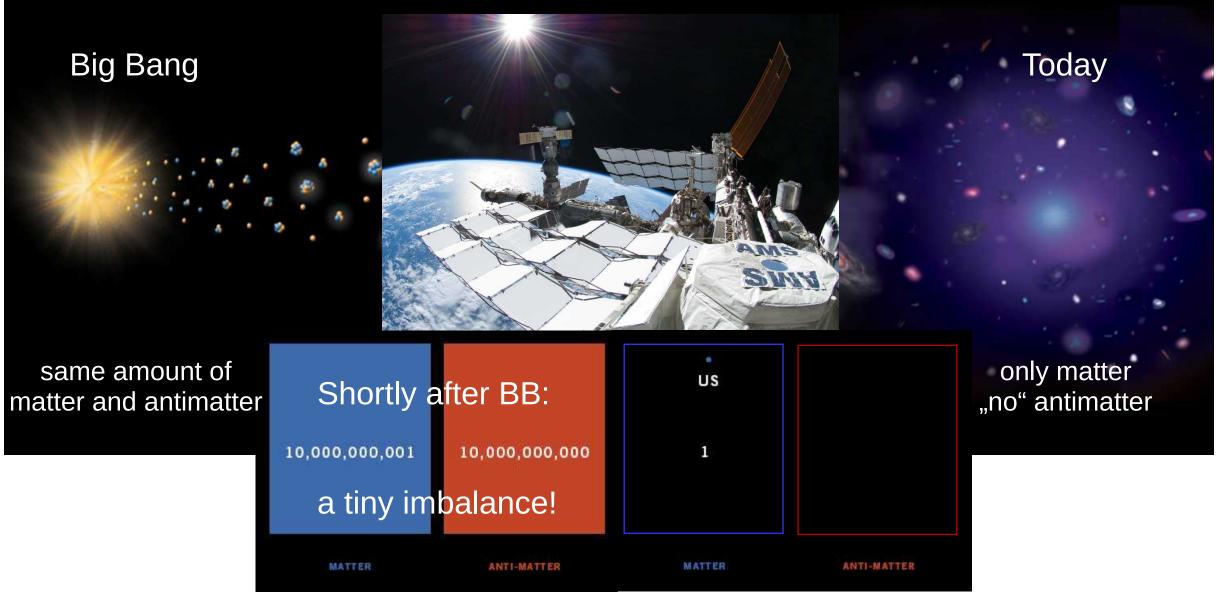
# Why isn't there nothing?

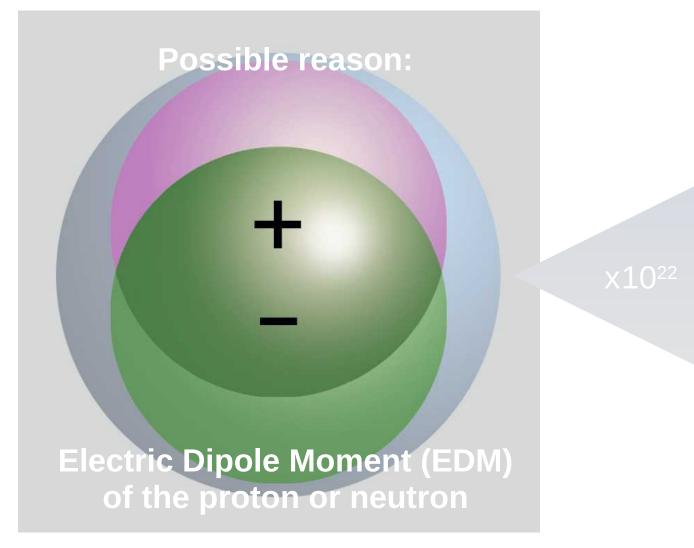
Researchers hope to solve one of the greatest mysteries

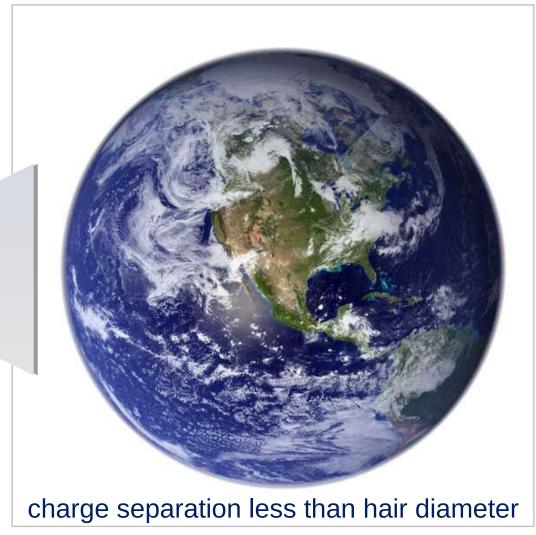
**Puzzle of the missing antimatter** 



### **Evolution of the Universe**







### **Joint research: EDM search for <u>charged</u> particles ("JEDI")**



### **Georgian contribution: ultimate precision detector for EDM observable**

SMART|EDM\_Lab

### **Joint Research (II)**



PROF. ASTRID KIENDLER-SCHARR Direktorin am Institut für Energie- und Klimaforschung (IEK-8)

### Air pollution and its mitigation

SHERMAZANA

### Joint Research (III)

# Head Coils

# BrainPET -

C. No. of Concession, Name

Medical Imaging: Combined MRI/PET Scanner

001000000 CB

# **Educational Training (I)**



Student Workshop, Georgian Technical University (Tbilisi), July 2014

# **Educational Training (II)**

QUALI-Start-Up Lectures, Jülich, September 2017

# Educational Training: Cotutelle PhD (U Cologne - TSU

Vereinbarung über die gemeinsame Betreuung eines Promotionsverfahrens ხელშეკრულება სადოქტორო დისერტაციის ერთობლივი ხელმძღვანელობის შესახებ

#### Ivane Javakhishvili Tbilisi State University

1, Ilia Tchavtchavadze Alle. 0179, Tiflis, Georgien ივანე ჯავახიშვილის სახელობის თბილისის სახელმწიფო უნივერსიტეტსა ილია ჭავჭავაძის გამ. 1, 0179 თბილისი, საქართველო

#### und/და

Universität zu Köln Albertus-Magnus-Platz, 50923 Köln, Deutschland კიოლნის უნივერსიტეტის ალბერტუს-მაგნუსის მოედანი, 50923 კიოლნი, გერმანია

#### შორის

vertreten durch den Rektor/Präsidenten ¹ წარმოდგენილი რექტორით/პრეზიდენტით¹



### Żara Bagdasarian, 2016

### Knowledge Transfer (I)

**SMART|Labs** extend GGSB by the option of Georgian scientists to return home (knowledge transfer):

### **SMART**|Labs

Science, Medicine, Applied Research and Technology

- Well-quipped and maintained modern laboratories
- Affiliated to a Georgian university connected w/ FZJ institute
- Dediated to common project in fundamental/applied sciences
- Small group of experts (3-5) headed by outstanding young Georgian scientist

### **Opening SMART|EDM\_Lab, Tbilisi State University, August 2016**

# (nowledge Transfer (I)

Scientific leader: Dr. David Mchedlishvili

### **Knowledge Transfer (II)**



# Knowledge Transfer (II)

ALL DESCRIPTION OF

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### SAPHIR chamber (FZJ); Equipment at AtmoSim-Lab (TSU)

14.

REPORTORS.

A CONTRACTOR OF





# 1918-2018 1000 IVANE JAVAKHISHVILI TBILISI STATE UNIVERSITY

Visit Georgian Delegation, June 2018

Visits

Meeting w/Georgian Prime Minister, August 2018

# Viston for GGSB

Schülerlabo

### YOUR STEM FUTURE BEGINS

IN TBILISI, GEORGIA

# SCIENCE BRIDGE – CONNECTING PEOPLE AND KNOWLEDGE A Model for Scientific and Technological Cooperation

