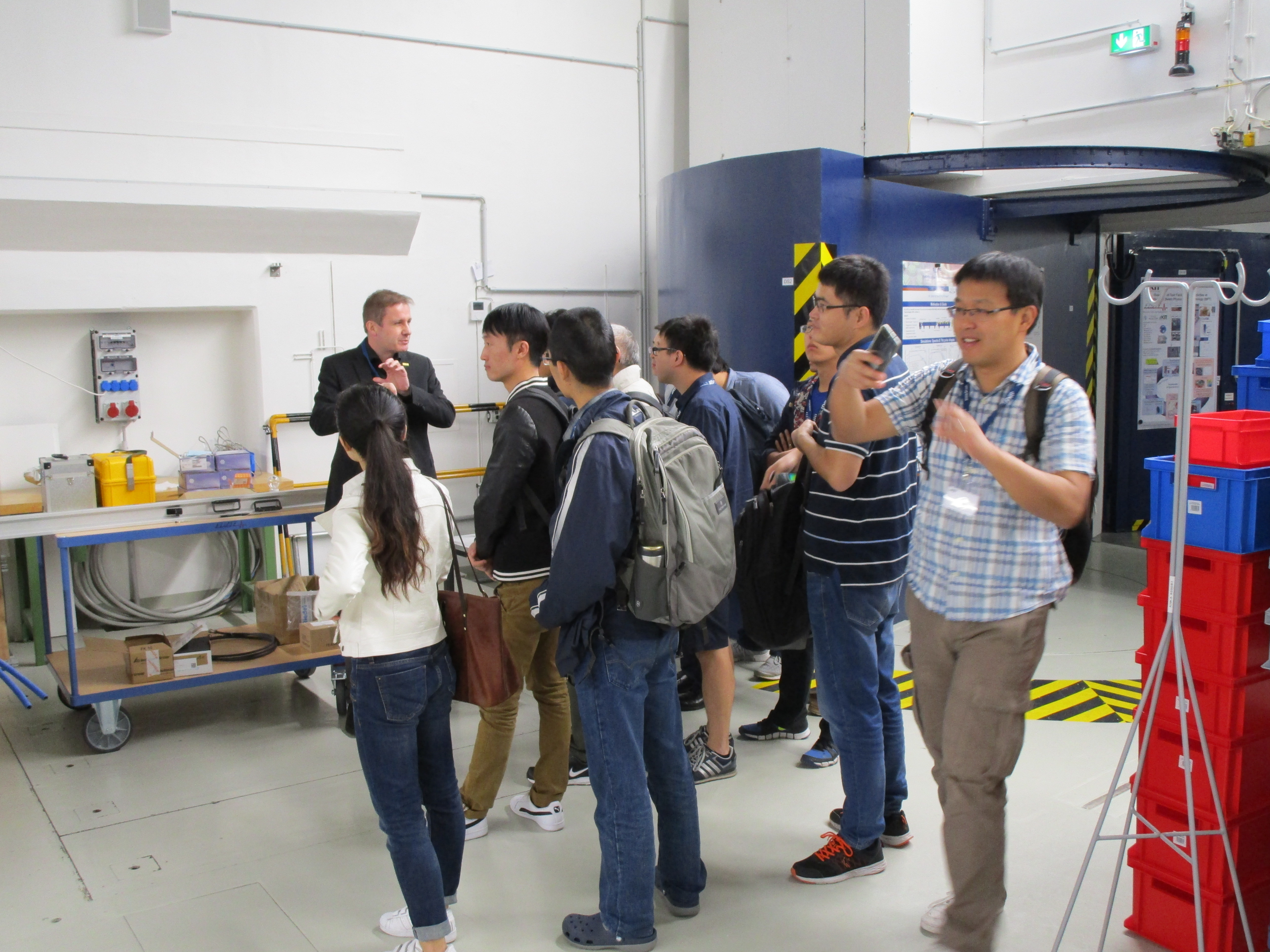
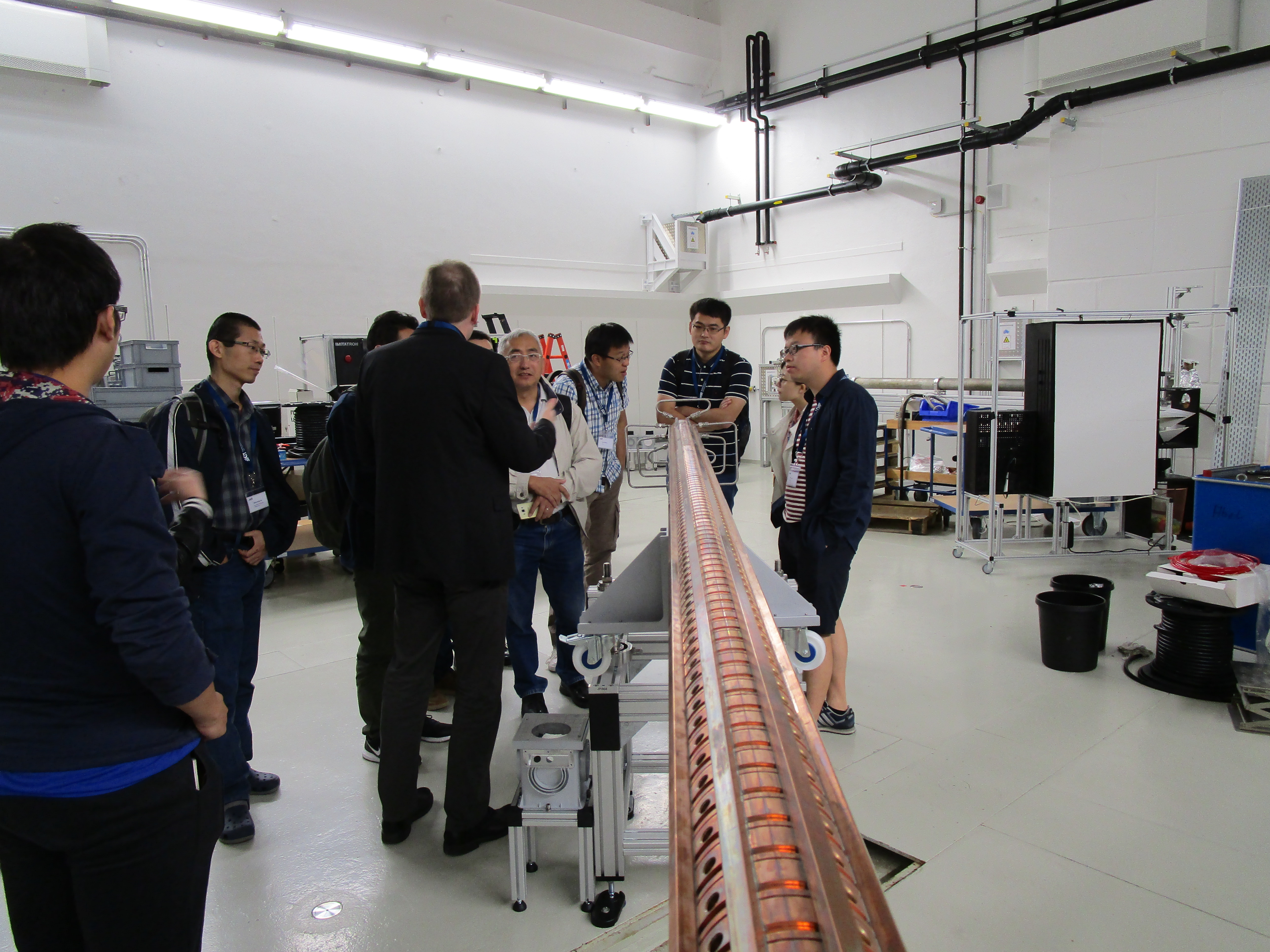


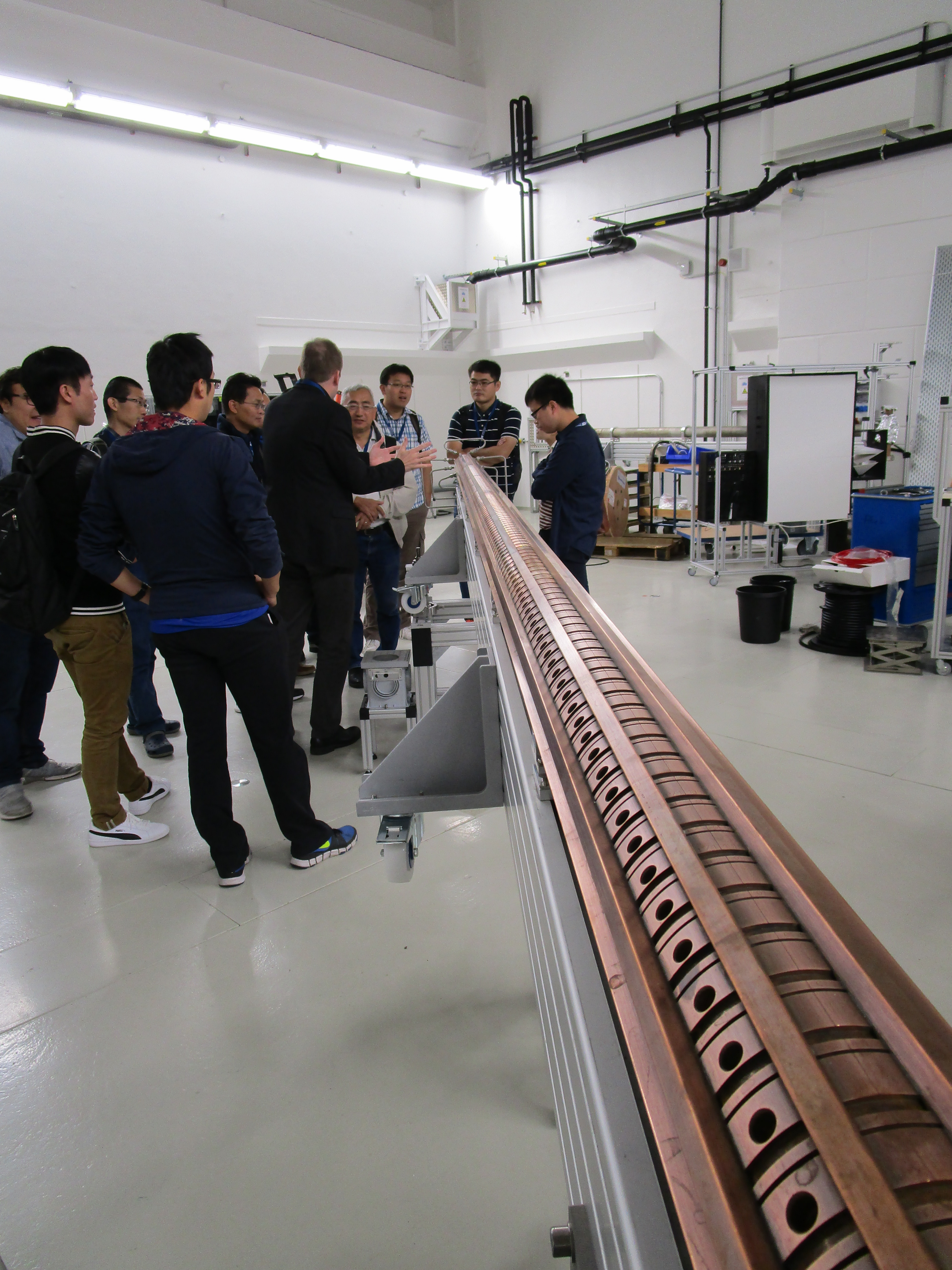


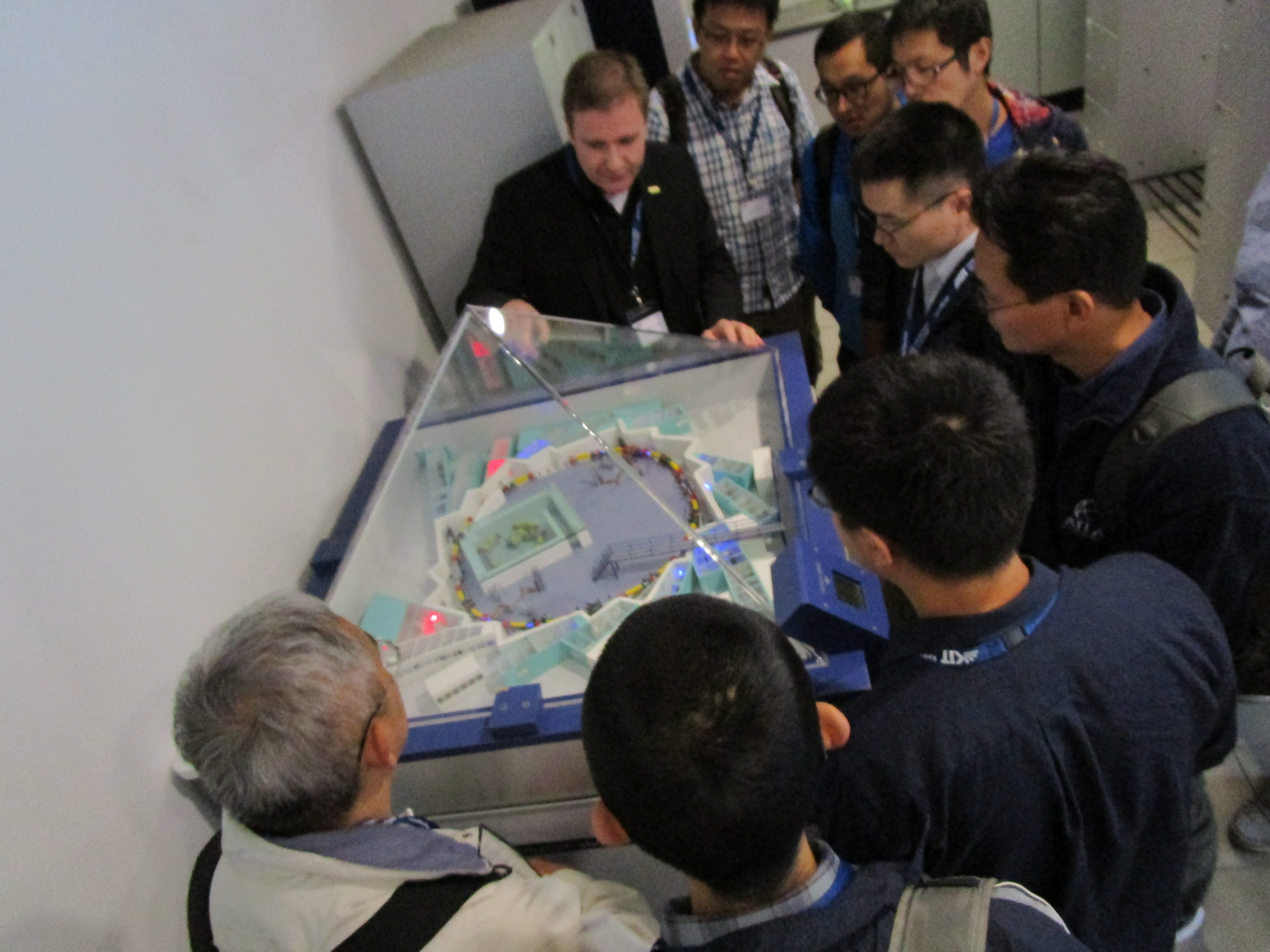
Karlsruher  
Beschleunigungsgeschichte  
1987 bis heute

Raritan











**KIT** Differences in Ice Nucleation Behavior of Arable and Desert Soil Dust in Deposition Nucleation Regime

**Abstract**

**Introduction**

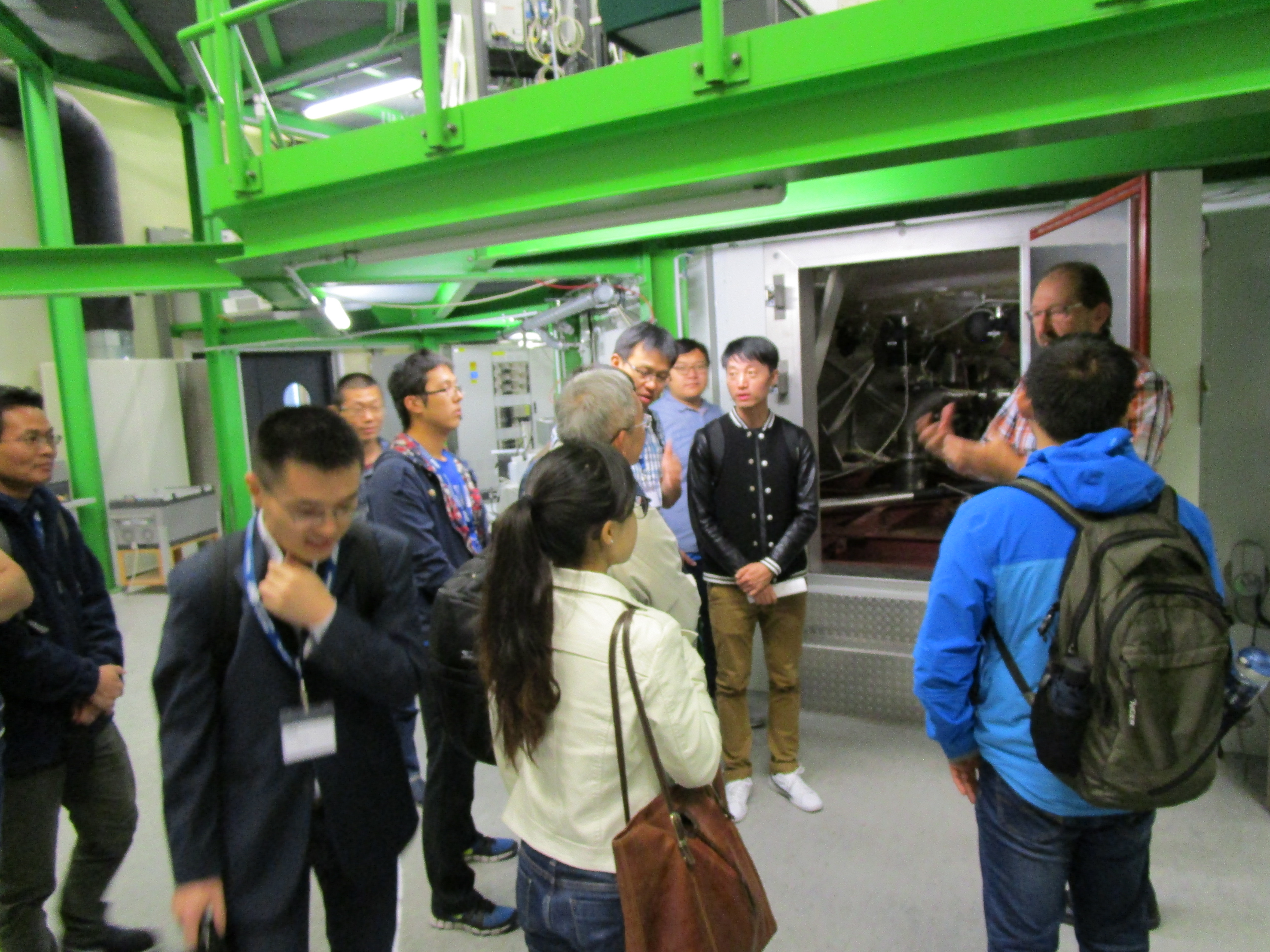
**Methodology**

**Results**

**Conclusions**

**References**













A01-101  
LAN 442.71

A01-101  
C01-101 ... 104  
F01-116 ... 119

Racklayout  
Name and No. of Racks

Row	Col	Label	Status
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**2nd SJTU-KIT Collaborative Research Workshop**

**"Particles and the Universe"**

Karlsruhe Institute of Technology, September 2017

WIENER						
September 2017						
27	3	4	5	6	7	8
28	10	11	12	13	14	15
29	17	18	19	20	21	22
30	24	25	26	27	28	29
31	31					
2017	1	2	3	4	5	6
22	7	8	9	10	11	12
23	14	15	16	17	18	19
24	21	22	23	24	25	26
25	28	29	30	31		
2017	1	2	3	4	5	6
27	8	9	10	11	12	13
28	15	16	17	18	19	20
29	22	23	24	25	26	27
30	28	29	30			

$F = Q \cdot E$      $F = (q \cdot U) / d$   
 $E = \frac{U}{d}$      $U = 200 \text{ V}$      $d = 0.6 \text{ mm}$   
 $E = \frac{200 \text{ V}}{0.6 \times 10^{-3} \text{ m}} = 3.33 \times 10^5 \text{ V/m}$   
 $F = 10^{-5} \text{ N}$







**KIT** Karlsruhe Institute of Technology

### Sensor R&D for the Phase II Upgrade of the CMS Outer Tracker at KIT

The LHC Phase II Upgrade

- CMS Outer Tracker Upgrade
- CMS Outer Tracker Module (OTM) Upgrade
- CMS Outer Tracker Module (OTM) Upgrade

© Sensors in a Nutshell

Outer Tracker Module (OTM) Upgrade









460

Magnet-  
betrieb

Bitte stehen  
oder liegen  
nicht block



MESSER  
STRIN

461

HBSU 401320  
4261  
9474  
MAX GR. 40 000 KG  
TARE 2 200 KG  
NET 37 800 KG  
CU CAP. 1 500 LTR











Zulässige  
Bodenlast  
3.5 kN/m<sup>2</sup>  
(350 kg/m<sup>2</sup>)

O<sub>2</sub> Alarm  
Halle sofort  
verlassen



**2nd SJTU-KIT Collaborative Research Workshop**

**"Particles and the Universe"**

**Karlsruhe Institute of Technology, September 2017**