

SCRF Collaboration for Future High Energy Colliders Between IHEP and KEK

Jie Gao

IHEP

11th IHEP-KEK SCRF Collaboration Meeting
IHEP, Beijing, November 20, 2023



Purposes of this meeting

- Exchange information on the progress status of ILC and CEPC as well as related projects and SCRF technologies.
- Discussion on future collaboration issues.
- Meeting of next time.

Program and Indigo page

November 20, Room A415 of Main Building, IHEP

Morning Session, Chair: Jie GAO

09:00-09:10	Welcome and Introduction	Yuhui Li
09:10-09:30	Introduction to CEPC Status	Jie Gao
09:30-09:50	Status of iCASA	Shin Michizono
09:50-10:10	Direct slice Nb R&D for SRF cavities at KEK	Takeshi Dohmae
10:10-10:30	Status of high-Q/high-G R&D at KEK	Ryo Katayama
10:30-11:00	<i>Group Photo and Coffee Break</i>	
11:00-11:20	Horizontal test results of LG 9-cell cavity	Kensei Umemori
11:20-11:40	Trial of defect finding using machine learning	Hayato Araki
11:40-12:00	Nb ₃ Sn development at KEK	Tomohiro Yamada
12:00-14:00	<i>Lunch (lunch box)</i>	

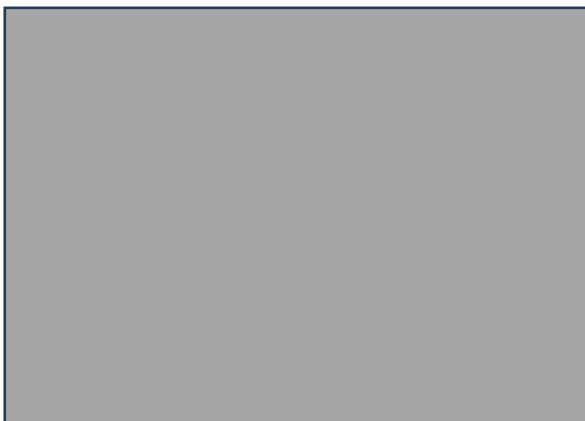
Afternoon Session, Chair: Shin MICHIZONO

14:00-14:20	HEPS RF system R&D and construction status	Pei Zhang
14:20-14:40	CSNS-II SRF linac R&D status	Wenzhong Zhou
14:40-15:00	CEPC SRF system design and R&D status	Peng Sha
15:00-15:20	High Q 1.3 GHz cryomodule development	Feisi He
15:20-15:50	<i>Coffee Break</i>	
15:50-16:10	HOM damping studies for SRF cavities at IHEP	Hongjuan Zheng
16:10-16:30	Thin film SRF cavity R&D at IHEP	Jin Dai
16:30-16:50	RF impedance calculation of thin film superconductors	Tianmu Xin
16:50-18:00	IHEP-KEK SRF collaboration discussion	
18:00-21:00	<i>Dinner</i>	

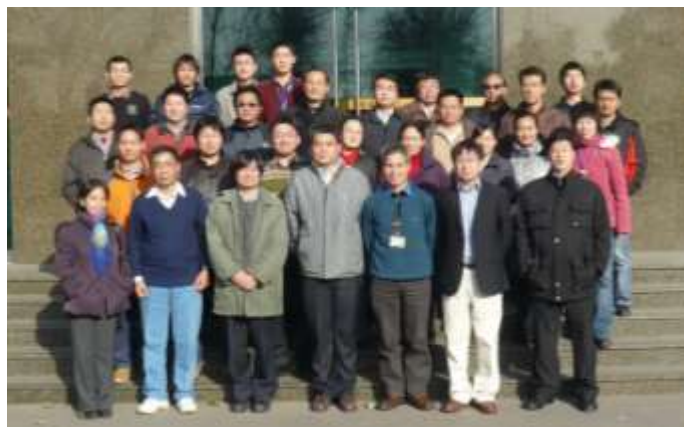
<https://indico.ihep.ac.cn/event/20901>

IHEP-KEK SCRF Collaboration Meetings

IHEP-KEK 1.3GHz SCRF Technology Collaboration started in 2005



1st Meeting (no group photo)
June, 2009



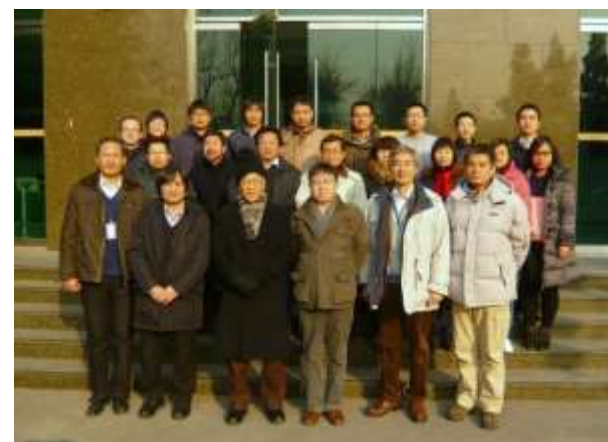
2nd Meeting
December, 2009



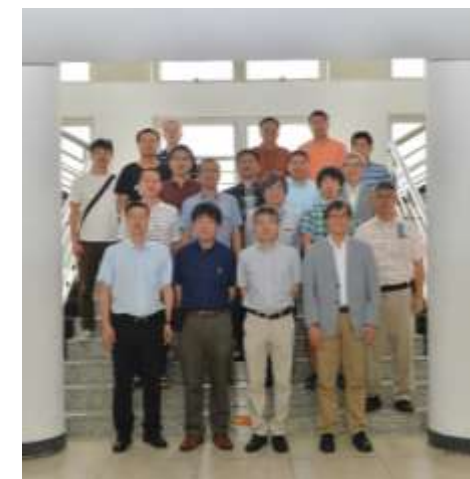
3rd Meeting, December, 2010



4th Meeting (during TTC meeting), December, 2011



5th Meeting, January, 2013

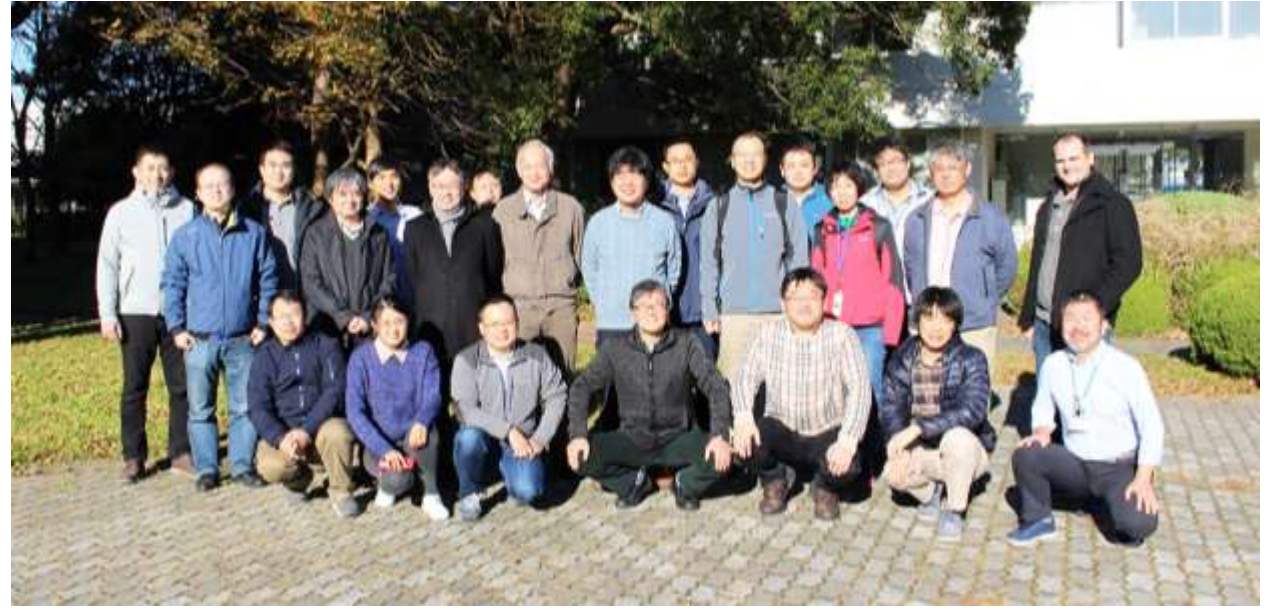


6th Meeting, July, 2017

IHEP-KEK SCRF Collaboration Meetings



7th Meeting, September, 2018



8th Meeting, December, 2019

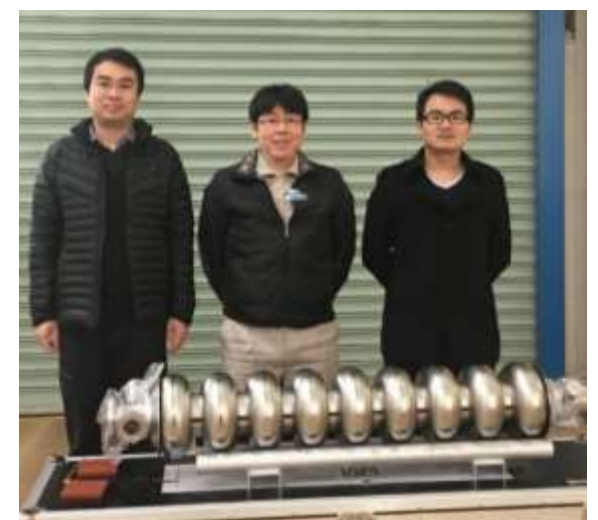


9th Meeting, December, 2020



10th Meeting, February, 2022

IHEP Students and Staffs Training and Working at KEK



IHEP Students and Staffs Training and Working at KEK



August, 2017



Nov, 2017



Jun ~ Aug, 2018



Jan, 2019

HEPS & PAPS Visit

November 21, HEPS and PAPS site tour, Huairou Science City

07:40-09:30	Shuttle bus to PAPS (07:30 in front of IHEP main building)
09:30-12:00	HEPS and PAPS tour
12:00-14:00	<i>Lunch (lunch box)</i>
14:00-16:30	Discussion
16:30-18:30	Shuttle bus back to IHEP (16:30 at west entrance of PAPS)

HEPS & PAPS Visit, September 23, 2018











Have a successful collaboration meeting,
fruitful discussions and guided tour to PAPS and HEPS