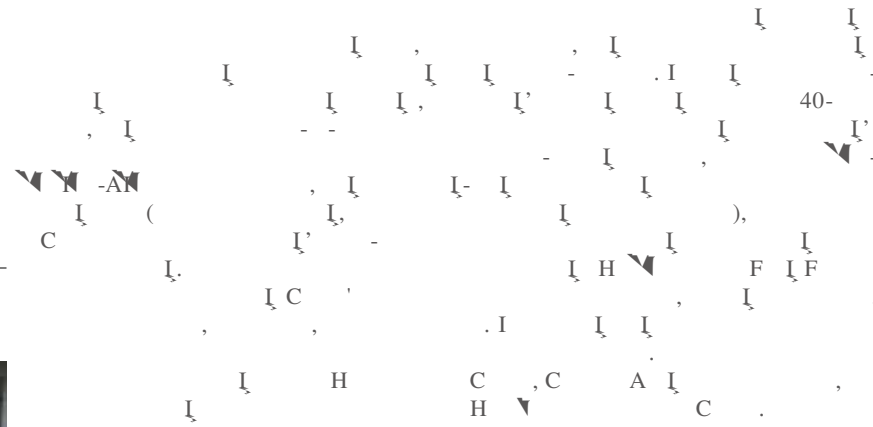


Research Group of the Steady High Magnetic Field Facility
Hefei Institutes of Physical Science, Chinese Academy of Sciences



Outstanding contributors of this research group

Kuang Guangli

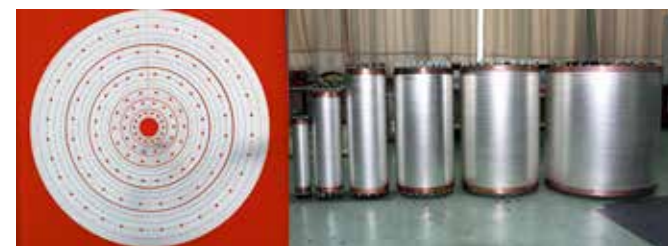
As the project manager, he determined the overall design of research plans and technical roadmaps. He presided over the design and manufacture of the large bore Nb3Sn superconducting magnet of CICC type.

Gao Bingjun

As the chief engineer, he guided the design and construction of different types of magnets. He proposed a new design scheme of water-cooled magnets, based on which a series of world record setting water-cooled magnets were built.

Zhang Yuheng

As the chief scientist, he determined the scientific goal and research direction of the Steady High Magnetic Field Facility. He also led the team to complete the construction of the experimental measurement system.



The Bitter plates and coils of the Tesla water-cooled magnet.



Parts of highlighted work performed on the Steady High Magnetic Field Facility.

The Steady High Magnetic Field Facility, of which the magnet technology and the overall performance is world-leading.



28MW

The first high-stability DC power supply of 28 MW in China.



STM MFM AFM

The unique STM-MFM-AFM combo system.

Major contributors

- Ye Chaohui
- Liu Xiaoning
- Zhang Xiaodong
- Qiu Ning
- Chen Wenge
- Ouyang Zhengrong
- Wu Zhongcheng
- Wu Jiefeng
- Tan Yunfei
- Pi Li
- Lu Qingyou
- Wang Junfeng
- Zhong Kai
- Wang Qiuliang
- Li Hongqiang
- Chen Zhiyou
- Zhang Yong

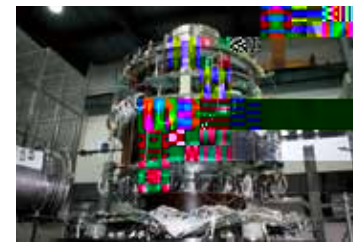
稳态强磁场实验装置研究集体

研究集体主要科技贡献：



40T

The 40 Tesla hybrid magnet.



CICC Nb3Sn

The first large bore Nb3Sn superconducting magnet of CICC type in China.



Kuang Guangli



Gao Bingjun

研究集体突出贡献者

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研究集体主要完成者

Zhang Yuheng



The world's only scanning tunnel microscope usable in water-cooled magnets.

The world-leading integrated extreme experimental conditions (high magnetic field, ultra high pressure and low temperature).