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# 国台学术报告 NAOC COLLOQUIUM

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**Time: Wednesday 2:30 PM, March 9**      **Location: A135 NAOC**

## Exploring collider physics through gravitational wave surveys at early universe

**Dr. Yi-Fu Cai (蔡一夫)**

**University of Science and Technology of China**

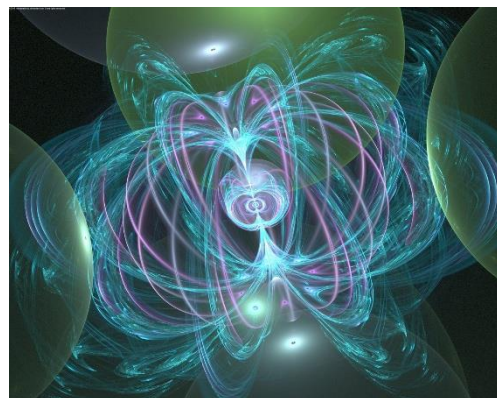


Dr. Cai is a professor of physics at the University of Science and Technology of China. He initiated his professorship at USTC since May 2015 with the fellowship of the Junior Thousand Talent project. Before that, he was a postdoc fellow at McGill since 2012; and before that, he was a postdoc scholar at Arizona State University since 2010. His PhD study was in the

Institute of High Energy Physics at CAS in Beijing. He graduated from the USTC 11 years ago.

### **Abstract**

Prof. Cai's research lies in the field of particle cosmology, which includes the nature of the big bang, the origin and future destiny of our universe, how the black holes and the galaxies formed. Some of his works may be highlighted as follows. He finished a review article on dark energy physics in 2010, which received a lot of attention and published on Physics Reports.



*All are welcome! Tea, coffee, biscuits will be served at 2:15 PM.*