

# Xiaoting FU

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## Education

- Ph.D., **Astrophysics** November 2012 - October 2016 (expected)  
International School for Advanced Studies (SISSA), Trieste, Italy  
Advisor: Prof. Alessandro Bressan
- M.Sc., **Astrophysics** September 2009 - June 2012  
National Astronomical Observatories of China (NAOC), Beijing, China  
Advisor: Prof. Licai Deng
- B.Sc., **Optical Information Science and Technology** September 2004 - June 2008  
Beijing Jiaotong University (BJTU), Beijing, China

## Awards

- Oct. 2014 **Bronze poster prize** ESO RUSPUTIN conference
- May. 2013 **The best runner-up poster prize** IAUS 298
- July. 2012 **Top student** Graduate University of Chinese Academy of Sciences
- July. 2010 **Top student** Graduate University of Chinese Academy of Sciences

## Fellowships

- 2012-present **SISSA PhD fellowship** SISSA
- 2009-2012 **CAS Graduate assistantship** Chinese Academy of Sciences (CAS)

## Conference talks

- **Lithium evolution from Pre-Main Sequence to the Spite plateau: an environmental solution to the cosmological lithium problem**  
Gaia-ESO Survey third science meeting Vilnius, Lithuania • Dec. 2015
- **New PARSEC database of alpha enhanced stellar evolutionary tracks and isochrones for Gaia**  
IAU GA FM7 Hawaii, USA • Aug. 2015
- **The discovery of 14 lithium-rich red giants in Milky Way dwarf satellite galaxies**  
Lithium in the Cosmos Institut d'Astrophysique de Paris, France • Feb. 2012  
LAMOST - PLUS workshop enselaer Polytechnic Institute, USA • Jun. 2011

## Observation experience

**Keck II - DEIMOS**

*Mauna Kea, USA • March 3-5, 2011*

**Hale telescope - DBSP**

*Palomar, USA • April 4-6, 2011*

**2.16m telescope - HRS**

*Xinglong, China • December 12-15, 2011*

**LAMOST**

*Xinglong, China • October 16-18, 2012; February 23-27, 2011*

## Refereed papers

◦ Lithium evolution in metal-poor stars: from Pre-Main Sequence to the Spite plateau  
**Xiaoting Fu**, Alessandro Bressan, Paolo Molaro, Paola Marigo, 2015, MNRAS, 452, 3256F

◦ Discovery of Super-Li Rich Red Giants in Dwarf Spheroidal Galaxies  
Evan Kirby, **Xiaoting Fu**, Puragra Guhathakurta & Licai Deng, 2012, ApJ, 752, L16

◦ An algorithm for preferential selection of spectroscopic targets in LEGUE  
Jeffrey L. Carlin, Sebastien Lepine, Heidi Jo Newberg, Licai Deng, Timothy C. Beers, Yuqin Chen, Norbert Christlieb, **Xiaoting Fu**, Shuang Gao, Carl J. Grillmair, Puragra Guhathakurta, Zhanwen Han, Jinliang Hou, Hsu-Tai Lee, Jing Li, Chao Liu, Xiaowei Liu, Kaike Pan, J. A. Sellwood, Hongchi Wang, Fan Yang, Brian Yanny, Yueyang Zhang, Zheng Zheng, Zi Zhu, 2012, RAA, 12, 755

## Conference proceedings

◦ New PARSEC database of alpha enhanced stellar evolutionary tracks and isochrones for Gaia

**Xiaoting Fu**, Alessandro Bressan, Paola Marigo, Léo Girardi, Josefina Montalbán, Yang Chen, Ambra Nanni, Antonio Lanza, 2016, IAUS, 317, 300F

◦ Lithium evolution from Pre-Main Sequence to the Spite plateau: an environmental solution to the cosmological lithium problem

**Xiaoting Fu**, Alessandro Bressan, Paolo Molaro, Paola Marigo, 2015, IAUGA, 2254811F

◦ The discovery of 14 lithium-rich red giants in Milky Way dwarf satellite galaxies

**Xiaoting Fu**, Evan Kirby, Puragra Guhathakurta & Licai Deng, 2012, MSAIS, 22, 92F

## Outreach

public talk Beijing planetarium, China, January, 2014

public talk No.1 railway High school, Huaihua, China, September, 2012

public talk Guokr.com, "The 8th day", Beijing, China, July, 2012

article "*MilkyWay@home*", *Amateur astronomer* (Chinese magazine), Dec, 2013

article "*Observation in Palomar observatory*", *Amateur astronomer* (Chinese magazine), Sep, 2013