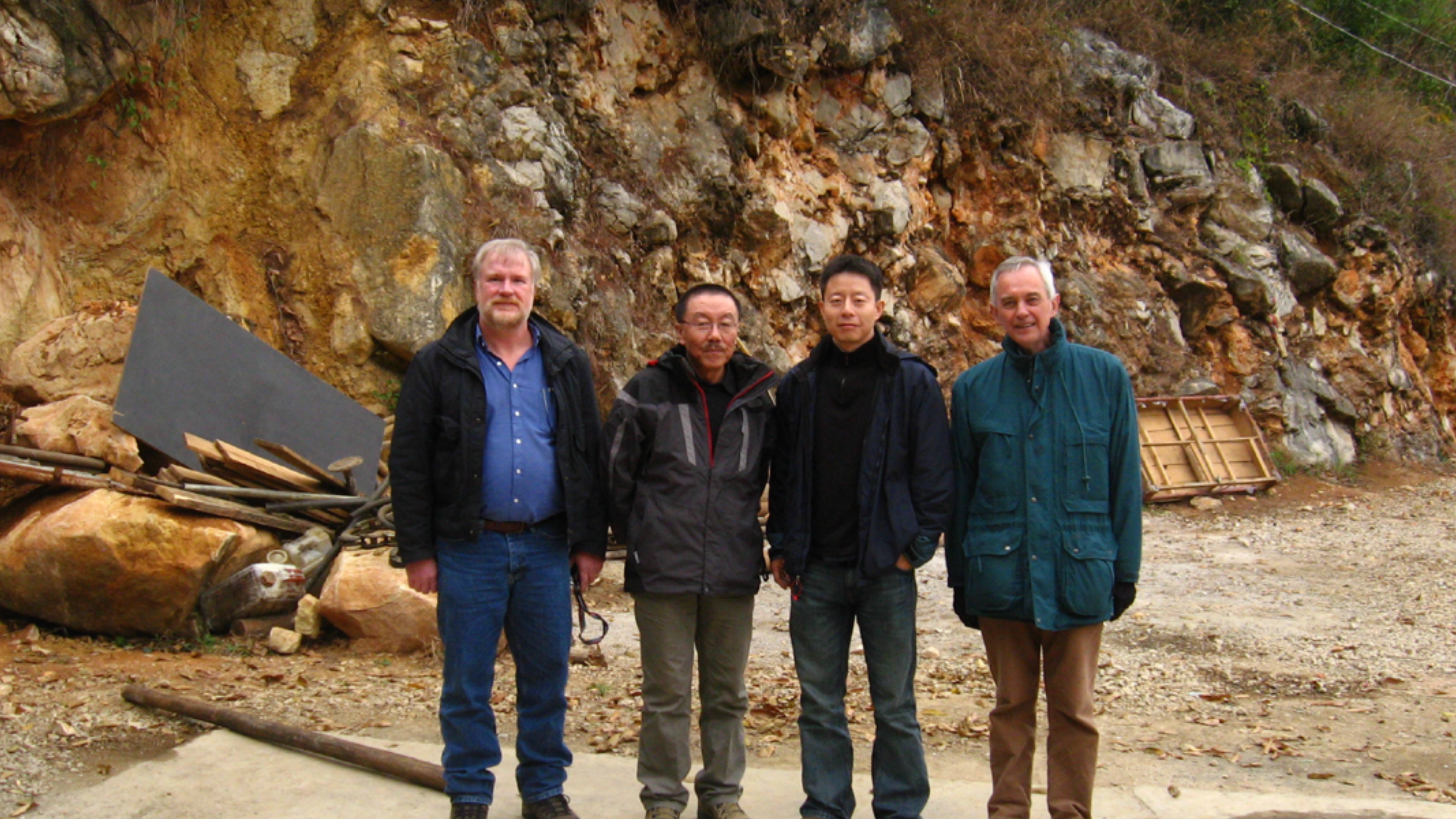


# FPS 9





2012年2月14日

“射电天文前沿及FAST早期科学”973项目启动会





# 第一届500米口径球面射电望远镜脉冲星项目组研讨会

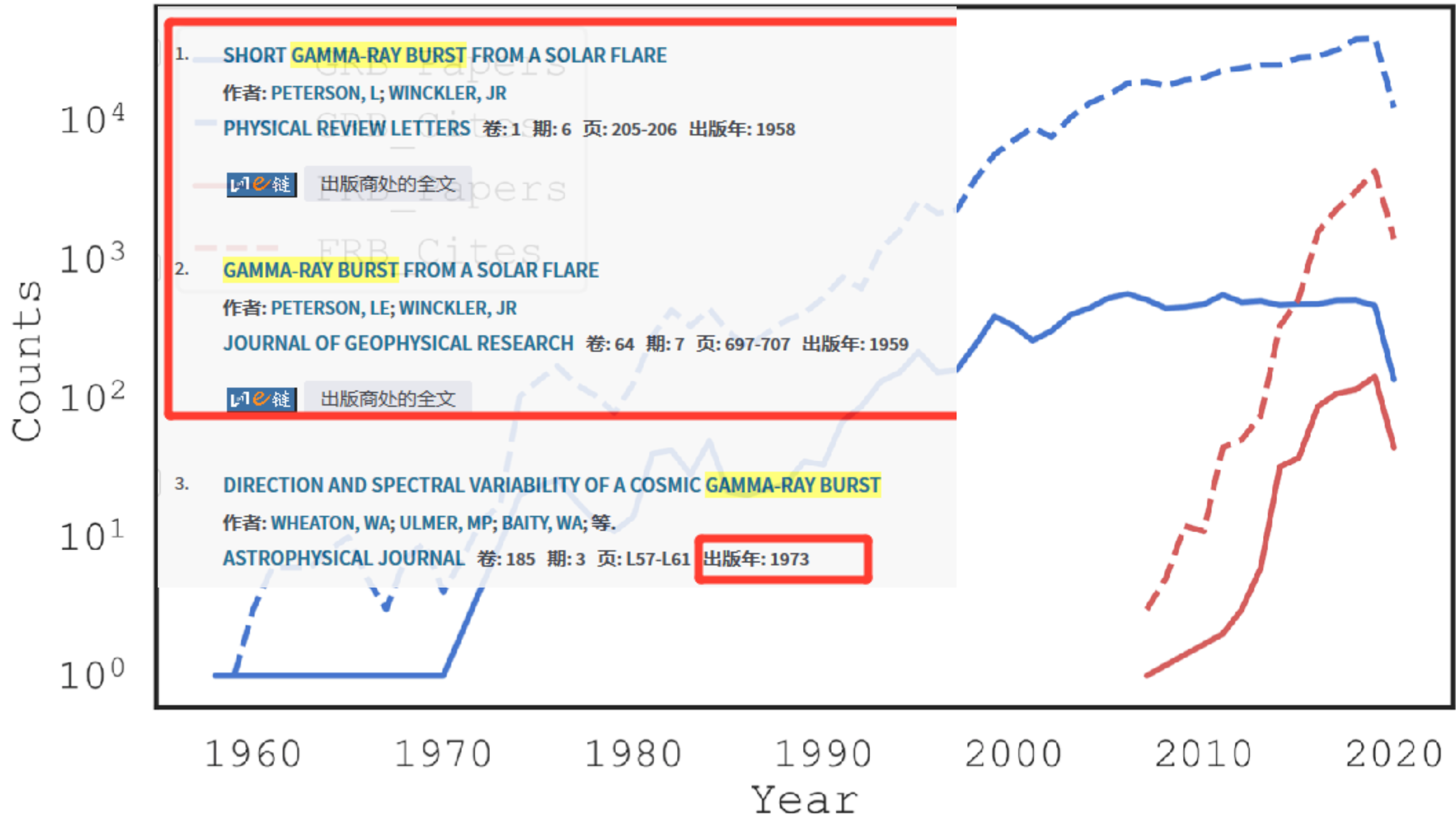
## FAST Pulsar Symposium I

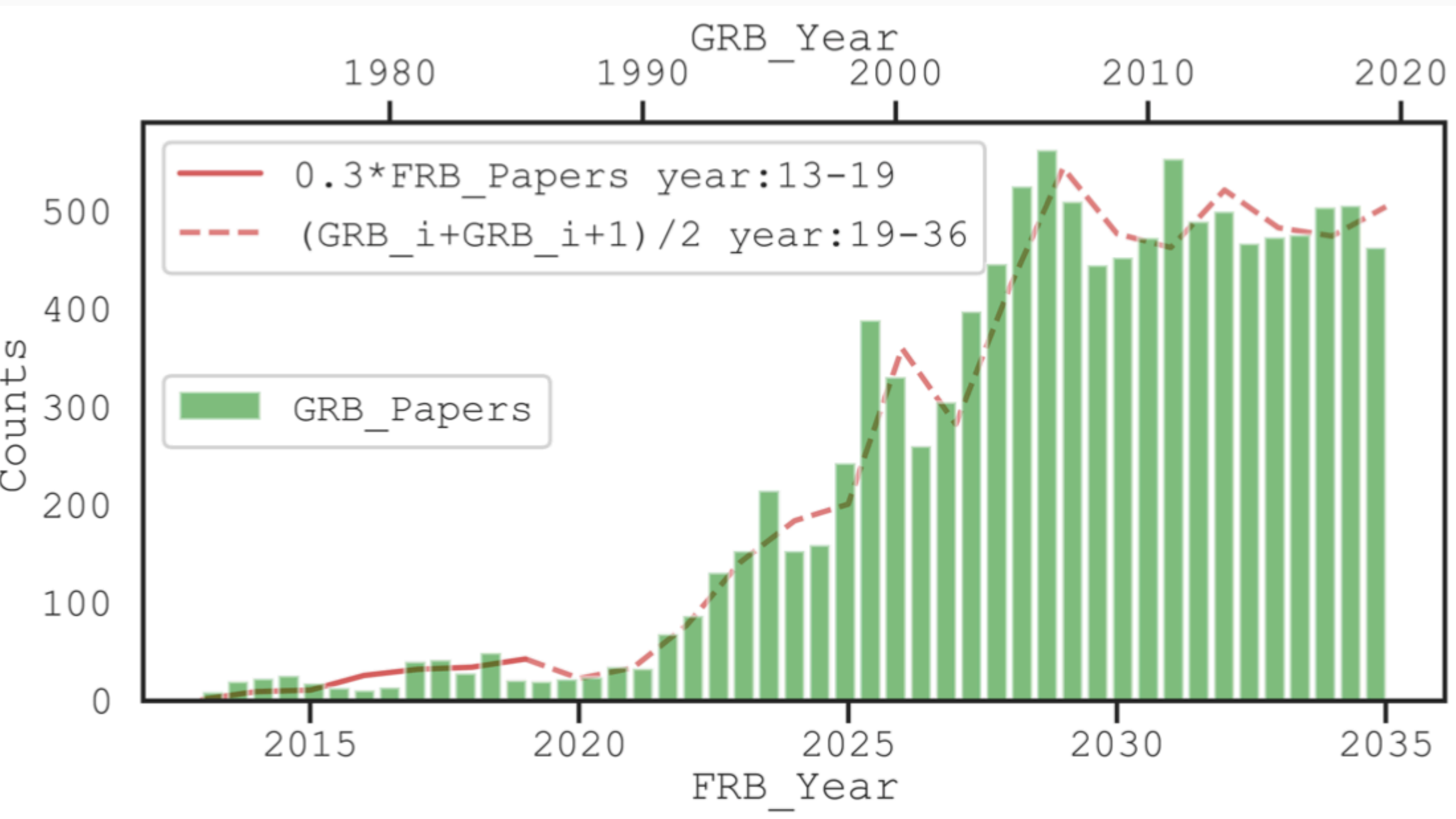


# FAST / Future Pulsar symposium 9

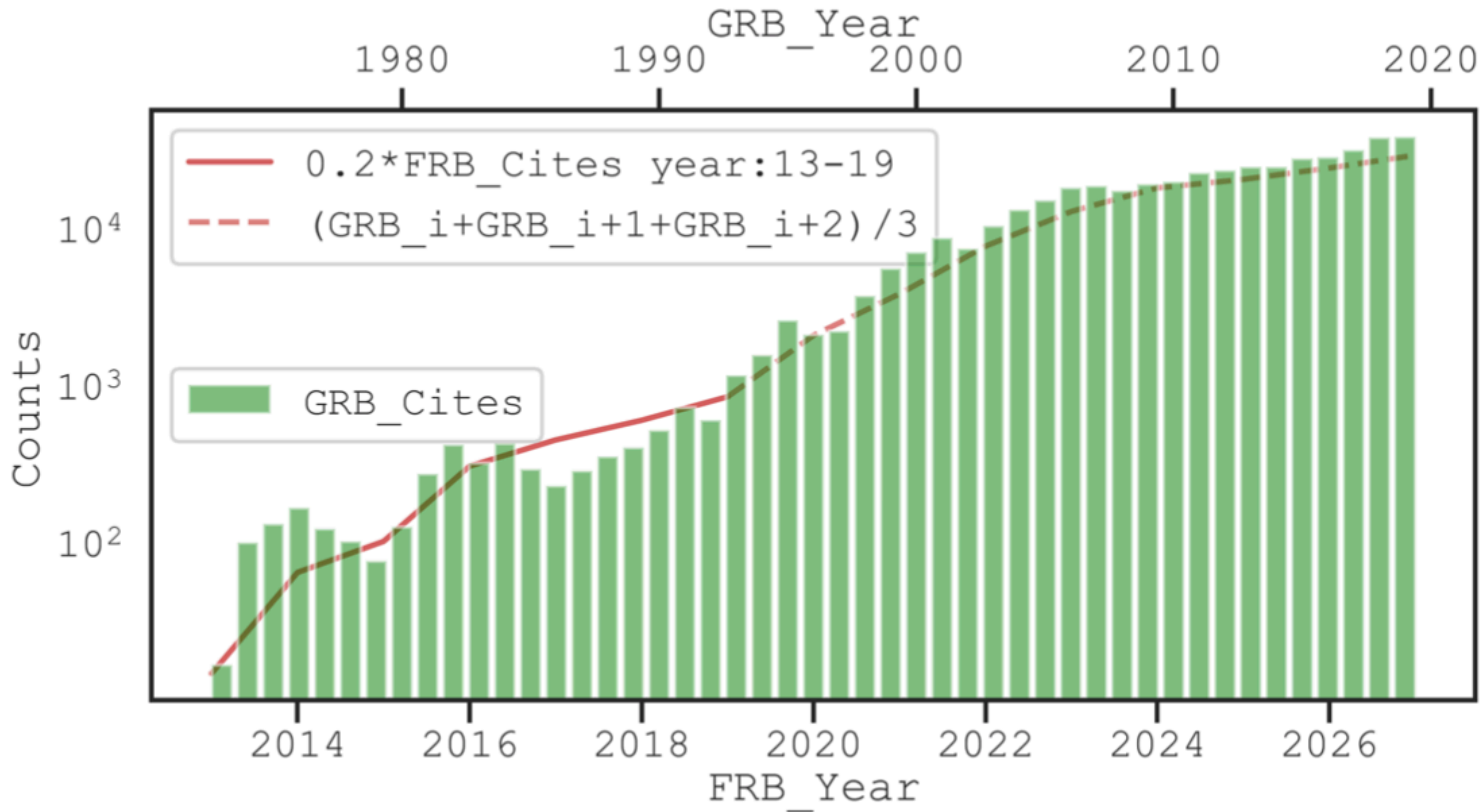
2020.08.28-30 Xiamen



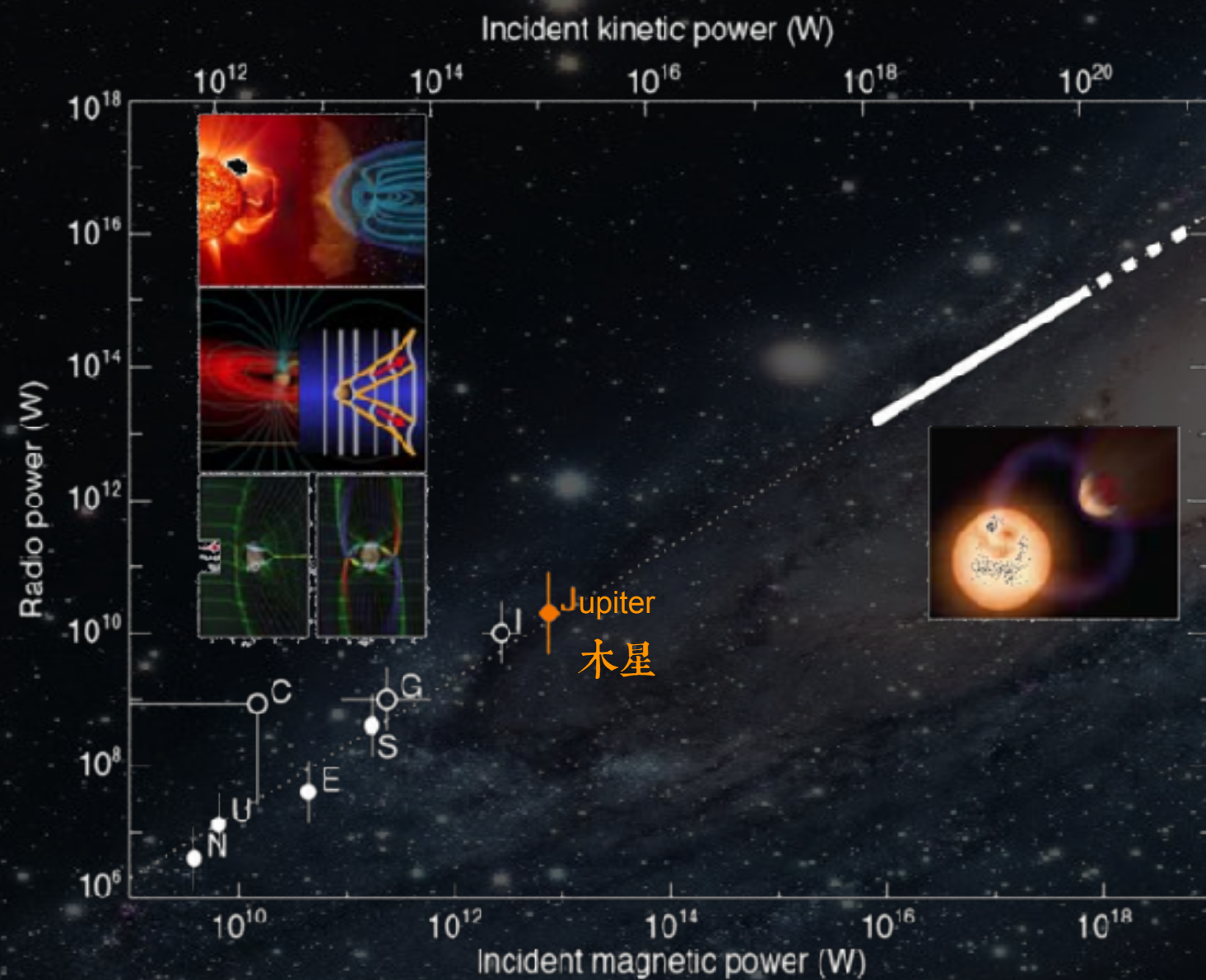








# FAST 新前沿-地外行星



Zarka, Li et al. 2019

V711  $\tau$  Budding et al. (1998)

V830  $\tau$  (with know hot Jupiter!)  
Bower et al. (2016)

**"Super-Earth"** seems to be common in the Galaxy, implying widely available habitable worlds for life.

However, the constraint on exoplanets' **magnetic fields**, a necessary condition for life on Earth, is rare.

**Radio bursts** from planets are potential probes. The proposed mechanisms include, e.g. unipolar inductor (Goldreich & Lynden-Bell 1969; Laine & Lin 2008), cyclotron maser (Treumann 2006), synchrotron (e.g. Gao, Qian, Li 2020).

**FAST - A<sup>+</sup> coming soon!**



**Science is a craft.**

科学是一门手艺。

Martin Harwit 《*In Search of the True Universe*》