



复旦大学物理系物质科学报告

Physics Department Colloquium

Exploring the dynamic X-ray Universe with Einstein Probe

(探索动态X-射线宇宙学: 爱因斯坦探测器计划)

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Abstract:

Transients and variable sources pervade the X-ray universe, as spectacular outbursts. The study of high-energy transients has greatly advanced our understanding of the dynamic Universe. In recent years new phenomena continue to be discovered and appeal for observations on a large scale for characterisation, while others are highly expected and await discovery. I will discuss the key science questions presented by these new developments in wide-field time-domain high-energy astrophysics, as well as the novel micro-pore optics (MPO) technology that enables sensitive, wide-field monitoring of the X-ray sky. Last, I will introduce the Chinese initiative, the proposed Einstein Probe mission in the scheme of the Space Science Pilot Programme of the CAS, and how it would expand the new frontiers in this exciting field.

Time: 2:00pm, Tuesday, 2015.12.01

Location: Physics Building, Room 221B

(Cookies and coffee are served from 1:30 pm)