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国台学术报告 NAOC COLLOQUIUM

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Time: Wednesday 2:30 PM, Jun.6th **Location: A601, NAOC**

Pulsar studies with Fermi: the first decade

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Dr. Saz Parkinson is a Research Assistant Professor at the Laboratory for Space Research of The University of Hong Kong (HKU). He obtained his PhD in Physics from Stanford University in 2003, subsequently moving to the University of California, Santa Cruz (UCSC), where he spent the next ten years working on the Milagro and Fermi Large Area Telescope (LAT) experiments. In addition to being a full member of the Fermi LAT Collaboration, he is also an affiliated member of the MAGIC and HAWC collaborations. In 2013 he moved to Hong Kong, holding a joint appointment between HKU and UCSC. His research interests cover a broad range of topics in high-

energy astrophysics, from X-ray binaries and gamma-ray bursts (GRBs), to most recently gamma-ray pulsars, working with the leading X-ray, ground-based, and space-based instruments in the field..

Abstract

Since its launch, in June 2008, Fermi has been scanning the sky in gamma rays (from tens of MeV to hundreds of GeV) making significant discoveries in virtually every area of astrophysics. Our knowledge about gamma-ray pulsars has been completely transformed thanks to the quantity and quality of the Fermi data. In this talk, I will give an overview of some of the main Fermi pulsar results and its future prospects. In particular, I



will discuss how new instruments and telescopes coming online (e.g. FAST), will ensure that Fermi's rate of discoveries continues unabated, as it enters its second decade.

All are welcome ! Tea and coffee will be served at 2:15 PM.