

[구AT-03] New K-GMT Science Program

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The K-GMT group launches a new science program designed to promote the observational research capabilities of Korean Astronomical Society. The science program (SP, hereafter) will provide the access to the observational facilities that is required for the completion of science proposals selected based on their scientific merits. The SP will invite the submission of proposals from all members of Korean Astronomical Society annually starting from mid-2013. We will introduce the rationale, action plan, and major timelines for the new K-GMT SP to the Korean astronomical community members.

[구AT-04] Science with the Giant Magellan Telescope Integral-Field Spectrograph

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The Giant Magellan Telescope Integral-Field Spectrograph (GMTIFS) is a near-infrared imager and integral-field spectrograph, which will be the workhorse adaptive-optics (AO) instrument on the GMT when AO operations begin. We will describe the current design and proposed capabilities of the GMTIFS. We will also present a brief overview of GMTIFS science cases that include first-light objects, galaxy feedback and assembly, the nature of compact massive objects as well as the formation and evolution of stars and planets.