



IPM School and Workshop on Weak Lensing & Photo-z Techniques (ISWLP09)

Institute for Studies in Theoretical Physics and Mathematics
School of Astronomy
April 22 – 28 , 2009
Tehran, IRAN



Lecturers

- **Koenraad Kuijken**,
*Leiden Observatory,
The Netherlands*
- **Hendrik Hildebrandt**,
*Leiden Observatory,
The Netherlands*
- **Tim Schrabback**,
*Leiden Observatory,
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Organizers

- **Reza Mansouri**,
SUT & IPM, Tehran
- **Habib Khosroshahi**,
IPM, Tehran
- **Seyed-Abouzar Najafi**,
*AlfA, Bonn &
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A six-day school and workshop on data processing and analysis techniques used in observational cosmology, especially in gravitational lensing studies. This is the fourth IPM Lensing-School, and it focuses on the redshift determination methods of large samples of galaxies by using photometrical data. The workshop is intended to be an intensive program to equip graduate students with fundamental knowledge and techniques in order to cope with the data processing of weak gravitational lensing tasks.

Topics

- Shape Measurement of Galaxies
- KSB & Shapelets Methods
- Galaxy-Galaxy Lensing
- Galaxy Cluster Mass Reconstruction
- Cosmic Shear Measurement
- Systematic Errors in Weak Lensing
- Methods of Photometric Redshift Measurement
- Future Weak Lensing Surveys

Sponsors

INO (Iranian National Observatory)

Deadline for Application April 8th, 2009

More information and online registration form can be found at:
<http://www.astro.ipm.ir/ISWLP09>

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