Tuesday 11th October 2011

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<th>Time</th>
<th>Topic</th>
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<td>14.00-14.30</td>
<td><strong>Gravitational Wave Detectors</strong></td>
<td>Chunnong Zhao</td>
<td>Bianco Carlo Luciano</td>
<td>Belinski Vladimir</td>
<td>Sigismondi Costantino</td>
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<td><strong>GRBs and S.N.</strong></td>
<td>Cao Junwei</td>
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<td>Boer Michel</td>
<td>Gionti Gabriele</td>
<td>Shaolan Bi</td>
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**Gravitational waves and precision tests of general relativity**

**General Relativity, GRBs, neutron star and supernovae**

**Cosmology, Large Scale Structure and Dark Matter**

**Solar astrometry and grand minima of activity**

**History of Astronomy and Astrophysics**
Gravitational Wave Detectors
Gossler Stefan: The AEI 10m Prototype Interferometer
Stuart Reid: (1) Suspension and coating thermal noise investigations at Glasgow (2) The Einstein Telescope: a third generation gravitational wave observatory in Europe
Chunnong Zhao: Harnessing three mode interactions in gravitational wave detectors for stability control and quantum measurement
Mat Evans: Advanced gravitational wave detectors
Jerome Degallaix: Advanced Virgo
Yanbei Chen: Advanced interferometer configurations: beyond the second generation
Haibo Wang: Quantum measurement experiments at BNU
Vetrano Flavio: Principles of Gravitational Waves detection through atom interferometry and a look ahead

GRBs and S.N.
Enwei Liang: Emission components in Optical Afterglows and their relations to the prompt gamma-rays and X-ray afterglows
Amati Lorenzo: Cosmology with Gamma-Ray Bursts
Arkhangelskaja Irina: Long GRB with additional high energy maxima after the end of the low energy t90 intervals

Early Universe
Gionti Gabriele: First Order Regge Calculus and Spin Foam Formalism
Rosquist Kjell: Gravitational acceleration and cosmic jets
Wu Xuebling: Finding Missing Quasars in the Redshift Desert
Sudarsky, Daniel: The unsolved problem of emergence of the seeds of cosmic structure during inflation
Belinski Vladimir: Basic facts on the cosmological singularity
Scardigli Fabio: Emergence of Special and Doubly Special Relativity
Redkov Viktor: Spin 1/2 Particle In The Field Of Dirac String On The Background Of De Sitter Space-Time

Solar Astrometry and Grand Minima of Activity
Raponi Andrea and Sigismondi Costantino: Solar diameter, Limb Darkening Function and Eclipses
Sigismondi Costantino: Clavius Project on solar diameter measurements groundbased
Guiping Zhou: CME source region
Jie JIANG: Solar dynamo and the grand solar minima
Shaolan Bi: Updated solar model with new abundance, rotation & magnetic field
Yihua Yan: Chinese Radioheliograph
Yuanyong Deng: Chinese giant solar telescope

History of Astronomy and Astrophysics
Ruffini Remo: Events in the collaboration with China on relativistic Astrophysics
Sigismondi Costantino: Gerbert of Aurillac: Astronomy and Science in the tenth century in Europe
Sun Xiaochun: Study of the Taosi Prehistoric Observatory in Lifeng, China
Valls-Gabaud David: The early history of gravitational lensing
Yang Hong-Jin: Astronomical Aspects of Korean Dolmens