Symposium Celebrating Dr. C. Y. Fan's 90th Birthday

Park Avenue Student Union, The University of Arizona, Tucson, Arizona 15 January 2007

09:00	Catching-up and welcome	Mike Shupe
Morning session chair is Jacques L'Heureux.		
09:15	Applications of Cosmic-ray Produced Radiocarbon	Doug Donahue
09:45	Cosmic Ray Modulation: From Pioneer V to Voyager 1 in the	Heliosheath Frank McDonald
10:15	Suprathermal Ions: A Key to Understanding Particle Accelerate	ion George Gloeckler
10:45	Coffee break	
11:00	The Acceleration of Energetic Particles in Space	Randy Jokipii
11:30	From Accelerated Particles to Gamma Ray Bursts	Neil Gehrels
12:00	Lunch break	
Afternoon session chair is K. C. (Johnny) Hsieh.		
14:00	Bright Flashes in the Dark Sky: Cosmic-Ray Astronomy at the Observatory	<i>Whipple</i> Trevor Weekes
14:30	Migration of a Jupiter-size Planet in self-gravitating Proto-plan	netary Disks Chi Yuan
15:00	Voyager at the Termination Shock	Ed Stone
15:30	Coffee break	
15:45	Astronauts and Cosmic Rays Don't Mix	Gene Parker
16:15	Project KuaFu B's Scientific Objectives & Imaging Earth's Plathe Chinese Lunar Lander	asmasphere from Ronglan Xu
16:45	Designing Laser Free-Space Inter-Satellite Communications Sy	ostems Davis Hartman

This special symposium is sponsored by the Department of Physics. We thank all the speakers for making this celebration possible.

Distinguished speakers of the Symposium Celebrating Dr. C. Y. Fan's 90th Birthday

Doug Donahue Professor Emeritus, Department of Physics, The University of Arizona;

co-founder of the NSF-Arizona Accelerator Mass Spectrometry Lab.

Frank McDonald* Senior Scientist, Institute for Physical Science & Technology, The

University of Maryland; formerly of NASA Goddard Space Flight

Center; NASA Chief Scientist, 1982-1987.

George Gloecker* Research Professor, University of Michigan, and Distinguished

University Professor (Emeritus), University of Maryland.

Randy Jokipii* Regents' Professor, Departments of Planetary Sciences and Astronomy,

Lunar and Planetary Laboratory and Steward Observatory, The

University of Arizona.

Neil Gehrels BS in Physics and BM in Music, The University of Arizona, 1976; Chief,

Astroparticle Physics Laboratory, NASA/GSFC; Adjunct Professor of Astronomy, U. Maryland & of Astronomy & Astrophysics, Penn State.

Trevor Weekes Adjunct Professor, Department of Physics, the University of Arizona;

Senior Astrophysicist at the Harvard-Smithsonian Center for

Astrophysics, founder of TeV gamma-ray astronomy; director of Very Energetic Radiation Imaging Telescope Array System (VERITAS) in

Arizona.

Chi Yuan Professor emeritus, Department of Physics, City College of New York;

recently retired Research Fellow and Director (1994-1996), Institute of

Astronomy and Astrophysics, Academia Sinica, Taipei.

Ed Stone* Morrisroe Professor of Physics & Vice Provost for Special Projects,

California Institute of Technology; former Director of the Jet Propulsion

Laboratory (JPL) (1991-2001).

Gene Parker* S. Chandrasekhar Distinguished Service Professor Emeritus, Department

of Astronomy and Astrophysics, University of Chicago.

Ronglan Xu Professor of Space Physics, Solar-system and Planetary Exploration

Center, Center for Space Science and Applied Research, Chinese

Academy of Sciences, Beijing

Davis Hartman Former PhD student of Dr. Fan, graduated in 1977; currently systems

lead engineer in General Dynamics' "Photonics in Space" initiative,

^{*}Members of the National Academy of Sciences