Wednesday MAY 12

8 am: Registration

- 830 am: Welcome Remarks (P. Drell, SLAC)
- 840 am: Keynote address (Neil Tyson, Hayden Planetarium/Princeton)
- 920: The Beyond Einstein Program (Paul Hertz, NASA Hq.)

DAY I: THE BIG BANG

- 10 am: Overview (Paul Steinhardt, Princeton)
- ** 1040 am: Strings, gravity beyond Einstein (Shamit Kachru, Stanford)

1120: coffee break

- 1150 am: CMB Polarization and Cosmology (W. Hu, Chicago)
- ** 1230 pm: WMAP (C. Bennett, Goddard)

110 pm: Lunch break

230 pm: Can We Observe Planck/string Scale Physics via the CMB? (R. Easther, Yale)
245 pm: Planck (J.-L. Puget, IAS)

325 pm: Afternoon break

Big-Bang Einstein Probes

4 pm: Einstein Polarization Interferometer for Cosmology (P. Timbie, Wisconsin)
430 pm: Experimental Probe for Inflationary Cosmology (J. Bock, Caltech)
5 pm: How can CMB Constrain Inflation Models? Particle Theorist's View (K. Kadota, UC Berkeley)
530 pm: EIP (G. Hinshaw, NASA Goddard)
6 pm: POLARBEAR: A Pathfinder for CMBPOL (A Lee, UC Berkeley/LBNL)

630 pm End

Reception: 630 pm

Thursday MAY 13

8 am: International Beyond Einstein: Japan (T Takahashi, ISAS)

DAY II: DARK ENERGY
830 am: Particle dark matter (M. Kamionkowski, Caltech)
910 am: The new physics of dark matter and dark energy (J. Lykken, FNAL)
950 am: N-Body Simulations and Gravitational Lensing with Dark Energy (C Baccigalupi, SISSA/ISAS)

**1020 am: Coffee break**

11 am: Dark energy overview (R. Bean, Princeton)
1140 am: Weak lensing and cluster counting (A. Refregier, CEA/Saclay)
1220 pm: SZ (A. Miller, Columbia)

**1 pm : Lunch**

230 pm: Supernovae (W. Freedman, Carnegie)
310 pm: Complementary Probes of Dark Energy (E Linder, LBNL)

**325 pm: Afternoon break**

*Dark Energy Einstein Probes*

4 pm: SNAP (S. Perlmutter, LBNL)
430 pm: Destiny (T. Lauer, NOAO)

*Other Space Opportunities*

**5 pm: Searching for Strong Gravitational Lenses with SNAP (P Marshall, KIPAC/Stanford)**
**515: DUO (R. Griffiths, Carnegie Mellon)**
**530: The Swift MIDEX Mission (N Gehrels, NASA Goddard)**

**End 6 pm**

Dinner 6 30 pm

**Friday MAY 14**

8 am: International Beyond Einstein: Europe (Alvaro Gimenez, ESA)

*DAY III: BLACK HOLES*

830 am: Overview and innerview of black holes (K. Thorne, Caltech)
910: Black hole astrophysics (C. Reynolds, University of Maryland)
950: The saga of Sag A* (F. Melia, University of Arizona)
**1030 am: Gravitational Wave Astronomy from LIGO to LISA (S. Finn, Penn State University)

1110 am: coffee break

• 1150: LISA (T. Prince, Caltech)

1230: Lunch

• 210 pm: GLAST (P. Michelson, Stanford)
** 250 pm: Constellation-X (N. White, NASA Goddard)

330 pm : Afternoon break

*Black Hole Einstein Probes*

• 4 pm: EXIST (J. Grindlay, Harvard, CFA)
• 430 pm: CASTER (M. McConnell, University of New Hampshire)

*Other Space Opportunities*

5 pm: : NuSTAR (F. Harrison, Caltech)
515 pm: AGN Evolution- the X-ray Revolution (R. Mushotzky, NASA Goddard)
530 pm: MAXIM: The Black Hole Imager (W. Cash, University of Colorado)
545 pm: Closing Remarks (Roger Blandford, KIPAC Director, Stanford University)

Special Evening Lecture, 8 pm