

THE FOURTH ANNUAL GREAT LAKES COSMOLOGY WORKSHOP

** PROGRAM **

18-20 APRIL 1996 U. MINNESOTA

THURSDAY, APRIL 18TH

1:00-- 2:00 Registration, TPI

1:45 - 2:00 Welcome and Announcements

THURSDAY SESSION: LARGE SCALE STRUCTURES I Chair: T. Walker

2:00 - 2:20 E. Praton The Bull's-Eye Effect - Redshift Space and Large Scale Structure

2:25 - 2:45 K. Coble Dynamical Lambda Models of Structure Formation

2:50 - 3:10 I. Szapudi Higher Order Statistics from Galaxy Surveys

3:15 - 3:40 A. de Laix Gravitational Lensing with Cosmic String Loops

3:40 - 4:10 Coffee Break

THURSDAY SESSION: LARGE SCALE STRUCTURES II Chair: J. Frieman

4:10 - 4:30 A. Olinto The Evolution of Cosmological Magnetic Fields

4:35 - 4:55 M. Abney Fluctuations and first order phase transition dynamics

5:00 - 5:20

FRIDAY, APRIL 19TH

FRIDAY SESSION: NUCLEOSYNTHESIS/COSMOLOGY I Chair: K. Olive

8:30 - 8:50 T. Walker Tension over the Crisis in Big Bang Nucleosynthesis

8:55 - 9:15 B. Fields Model-Independent Predictions of Big

Bang Nucleosynthesis

9:20 - 9:40 S. Scully Evolution of Deuterium and Helium-3

9:45 -10:05 C. Copi QSO deuterium observations and BBN

10:05 -10:35 Coffee Break

FRIDAY SESSION: NUCLEOSYNTHESIS/COSMOLOGY II Chair: E. Kolb

10:35 -10:55 Y. Wang The Cosmological Constant and Advanced Gravitational Wave Detectors

11:00 -11:20 A. Riotto Symmetry restoration during the preheating era

11:25 -11:45 G. Evrard Yet More Fun with Clusters of Galaxies!

11:45 - 2:00 Lunch

FRIDAY SESSION: DARK MATTER I Chair: F. Adams

2:00 - 2:20 E. Kolb Light Photinos as Dark Matter

2:25 - 2:45 T. Falk CP Phases and Dark Matter

2:50 - 3:10 F. Adams The Initial Mass Function for Stars and Possible Cosmological Implications

3:15 - 3:40 J. Frieman Gravitational Lensing of Type Ia Supernovae: Implications for Ω_0 and Dark Matter

3:40 - 4:10 Coffee Break

FRIDAY SESSION: DARK MATTER II Chair: D. Lyth

4:10 - 4:30 G. Gyuk Microlensing towards the Galactic bulge

4:35 - 4:55 D. Graff The mass function of halo stars

5:00 - 5:20 G. Holder Shapes of Dark Halos and Implications for Microlensing

7:30 - ?? VIEWING OF THE COMET HYAKUTAKE (IF WEATHER PERMITS)

List of Participants
4th Annual Great Lakes Cosmology Workshop
at the Theoretical Physics Institute
April 18-20, 1996

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