

# SEPTEMBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12 Organiz. Meeting	13
14	15 Lect. 11-12	16	17 Lect. 11-12	18	19 Lect. 3-4	20
21	22 Lect. 11-12	23	24 Lect. 11-12	25 Micro-Symp. Obs. Cosmo.	26	27
28	29 Lect. 11-12	30				

# OCTOBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 NO CLASS	2 Micro-Symp. Strings, Branes Inflation	3	4
5	6 Lect. 11-12	7	8 Lect. 11-12	9	10 Meet 3-4	11
12	13 Lect. 11-12	14	15 Lect. 11-12	16 Micro-Symp. LHC Physics	17	18
19	20 Lect. 11-12	21	22 Lect. 11-12	23	24 Meet 3-4	25
26	27 <b>FALL BREAK</b>	28 <b>FALL BREAK</b>	29 <b>FALL BREAK</b>	30 <b>FALL BREAK</b>	31 <b>FALL BREAK</b>	

# NOVEMBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3 Lect. 11-12	4	5 Lect. 11-12	6 Micro-Symp. Cyclic Models	7	8
9	10 Lect. 11-12	11	12 Lect. 11-12	13	14 NO CLASS	15
16	17 Lect. 11-12	18	19 Lect. 11-12	20 Micro-Symp. String Landscape	21	22
23 30	24 Lect. 11-12	25	26 Lect. 11-12	27	28	29

# DECEMBER

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 Lect. 11-12	2	3 Lect. 11-12	4 Micro-Symp. Cosmic Singularity	5	6
7	8 Lect. 11-12	9	10 Lect. 11-12	11	12 Meet 3-4	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

Feb. 12 Micro-Symp.  
Eternal Inflation

# Princeton Center for Theoretical Science

## Big Bang and Beyond

### MICROSYMPOSIA

September 25-26: (two full days)

**"Frontiers of Observational Cosmology":**

*Reporting the latest observational results and identifying the most promising directions for improving constraints on models of the very early universe.*

October 2-3: (Thursday afternoon and Friday)

**"Branes, Strings and Inflation":**

*Exploring progress and problems in combining string theory and M-theory with inflationary cosmology.*

October 16-17: (two full days)

**"Forefronts of LHC Physics":**

*Looking ahead to what will be learned from the LHC about particle physics, dark matter, dark energy and the very early universe..*

Nov. 6-7: (Thursday evening and Friday)

**"Cyclic and Bouncing Universes":**

*Exploring progress and challenges for alternatives to big bang/inflationary models punctuated by bounces from big crunch to big bang.*

Nov. 20-21: (Thursday evening and Friday)

**"String Landscape":**

*Examining how the string landscape alters approaches to fundamental physics and cosmology.*

Dec. 4-5: (Thursday afternoon and Friday)

**"Cosmic Singularities":**

*Is the big bang a beginning of space and time? Investigating different theories of the initial singularity and methods for exploring and distinguishing them.*

Feb. 12: (Thursday afternoon and Friday)

**"Eternal Inflation":**

*Examining the properties, advantages and pitfalls of eternal inflation.*

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In addition, look for Group Meeting in weeks following each microsymposium:

Mondays 2 - 4 pm

Wednesdays 12:30 - 3

Fridays 10:30 am – noon

FOR DETAILS AND REGISTRATION (MUST REGISTER): <http://pcts/princeton.edu/pcts>