

Introduction to Modern Cosmology

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Abstract: The lectures will aim to give a pedagogical overview of the remarkable progress in cosmology over the past thirty years and to introduce the student to current research in the field. Topics to be covered include inflation; large-scale structure formation; the cosmic microwave background; cosmic acceleration; dark matter and dark energy; fluctuations and anisotropies; gravitational waves; the cosmological constant problems; cosmology and elementary particle physics; Dirac-Born-Infeld inflation; and cosmic strings.

Schedule:

11 Nov 2.00pm-4.00pm
14 Nov 4.00pm-6.00pm
18 Nov 2.00pm-4.00pm
26 Nov 4.00pm-6.00pm
27 Nov 4.00pm-6.00pm??
28 Nov 4.00pm-6.00pm
Room 410A

References

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