

Particle Astrophysics and Cosmology

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Literature

E. Kolb, M. Turner, The Early Universe, Addison Wesley 1990
(standard text, not always easy)

J. Peacock, Cosmological Physics, Cambridge 1999,
(very comprehensive, substantial, voluminous, not easy)

S. Dodelson, Modern Cosmology, Academic Press, 2003
(a lot about anisotropies)

M. Roos, Introduction to Cosmology, 3rd edition, Wiley 2003, ca. 50 €
(quite good, different nomenclature)

J. Bernstein, Introduction to Cosmology, Prentice Hall 1998, ca. 25 €
(elementary)

A. Liddle, An Introduction to Modern Cosmology, Wiley 2003, ca. 99,90 €
(very elementary, but nicely and understandably written, too expensive)

M.S. Longair, Galaxy Formation, Springer 1998, > 70 €
(nice, comprehensive, not only cosmology)

L. Bergström, A. Goodbar, Cosmology and Particle Physics, Wiley 1999

C. Grupen, Astroteilchenphysik, Vieweg 2000
(much particle physics, little cosmology, introductory level)

P. Coles & F. Lucchin, Cosmology, 2nd edition, Wiley 2003, 57,90 €

E. Harrison, Cosmology, 2nd edition, Cambridge Univ. Press 2002,

M. Rowan-Robinson, Cosmology, Clarendon Press 2004, 13 £
(more astronomy)

H.V. Klapdor-Kleingrothaus / K. Zuber, Teilchenastrophysik, Teubner 1997
(good as 'dictionary', not for learning)

M. Treichel, Teilchenphysik und Kosmologie, Springer 2001, 44,95 €
(in German, elementary, much particle physics)

N. Schmitz, Neutrino-Physik, Teubner, ca. 30 €

(neutrinos only, but comprehensive)