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Jr.); Large Scale Facilities; Detectors and Data Acquisition (D. F. Cowen); Large Scale Computing (P. Capiluppi); The World of Science Science, Technology and Society (G. Giacomelli and R. Giacomelli)The Universe: Today, Yesterday and Tomorrow (T. Regge); One Hundred Years of Science (R. A. Carrigan, Jr.); Appendices; Summaries of the Poster Sessions (Y. Becherini, Z. Sahnoun and A. Zakharov); List of Participants

Sommario/riassunto

This comprehensive volume of articles from the seventh school on non-accelerator astroparticle physics presents a timely coverage of this interesting and rapidly expanding subject. The contributions enlarge and complement the earlier volumes prepared for the fourth, fifth and sixth schools. An informative, pedagogical approach has been maintained so that the book can serve as the basis for a modern course on the subject. The first section introduces the fundamentals of particle physics with a review of the standard model and beyond. The comprehensive section on neutrino physics and astrophysic
