Record Nr. UNINA9910828817703321 Proceedings of the 32nd Coral Gables Conference : the launching of la **Titolo** belle epoque of high energy physics & cosmology : a festschrift for Paul Frampton in his 60th year and memorial tributes to Behram Kursunoglu : Fort Lauderdale, Florida, 17-21 December 2003 / / editors, Thomas Curtright, Stephan Mintz, Arnold Perlmutter Hackensack, N.J., : World Scientific, c2004 Pubbl/distr/stampa **ISBN** 1-281-89812-0 9786611898120 981-270-199-0 Edizione [1st ed.] Descrizione fisica 1 online resource (463 p.) Altri autori (Persone) CurtrightThomas MintzStephan L PerlmutterArnold <1928-> Disciplina 539.76 Soggetti Particles (Nuclear physics) Cosmology **Astrophysics** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references. Nota di contenuto Preface; About the Global Foundation; CONTENTS; 1 Frampton Festschrift Contributions; 2 Astrophysics and Cosmology; 3 Lepton Experiments; 4 Neutrino Theory; 5 Lorentz Violation, Field Theory and Branes; 6 Kurgunoglu Memorial Tributes Sommario/riassunto Recent experimental results with direct bearing on theories of cosmological dark matter/energy, as well as continuing work on neutrino masses and mixing, have invigorated both particle physics and cosmology, and should continue to do so well into the 21st century, thereby launching a beautiful new epoch for these fields. The expert contributions from this conference took stock of these developments. This volume contains papers by over 40 physicists that summarize and interpret the newest findings, and suggest future avenues to be explored. A number of new theoretical ideas are also presented,