Record Nr. UNINA9910450424403321 Autore Krishna Swamy K. S Titolo Dust in the universe [[electronic resource]]: similarities and differences //K S Krishna Swamy Singapore;; London,: World Scientific, 2005 Pubbl/distr/stampa 1-281-88078-7 **ISBN** 9786611880781 981-256-766-6 Descrizione fisica 1 online resource (266 p.) Collana World Scientific series in astronomy and astrophysics : ; v. 7 Disciplina 523.1125 Cosmic dust Soggetti Interstellar matter Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Preface; Contents; Chapter 1. General Introduction; Chapter 2. Laboratory Studies; Chapter 3. Interstellar Dust; Chapter 4. Cometary Dust; Chapter 5. Interplanetary Dust; Chapter 6. Circumstellar Dust; Chapter 7. Extragalactic Dust; Chapter 8. Epilogue; Appendix A H-R Diagram; Appendix B Stellar Evolution; Appendix C Nucleosynthesis; Appendix D Acronyms; Index Sommario/riassunto The study of dust in the universe is an exciting area in current astronomy. Dust formed during an earlier epoch could be different from that formed at a later time, but the nature and composition of dust is not presently understood in its entirety. The comprehensive study presented in this book provides a much needed critical analysis of different types of dust in the universe. The information derived from presolar grains from comets, meteorites and interplanetary dust particles as well as the relevant laboratory studies are discussed. This

should help in our goal of understanding the evolutio