Record Nr. UNISA996466712503316 Nearby Molecular Clouds [[electronic resource]]: Proceedings of a **Titolo** Specialized Colloquium of the Eighth IAU European Regional Astronomy Meeting Toulouse, September 17 – 21, 1984 / / edited by Guy Serra Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, Pubbl/distr/stampa **ISBN** 3-540-39696-9 Edizione [1st ed. 1985.] 1 online resource (IX, 242 p.) Descrizione fisica Lecture Notes in Physics, , 0075-8450 ; ; 237 Collana 520 Disciplina Soggetti Observations, Astronomical Astronomy—Observations **Astrophysics** Astronomy, Observations and Techniques Astrophysics and Astroparticles Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di contenuto

A synthetic view at large scale of local molecular clouds -- Molecular line observations of nearby dark clouds at high galactic latitudes --Comparison of optical appearance and infrared emission of extended dust clouds -- Correlations between NH3 (1.1) and far IR emission --Correlation of high galactic latitude HI and FIR emission and warm dust in the neutral interstellar medium -- Galactic molecular clouds: Their size and mass distribution -- The small scale structure and chemistry of nearby molecular clouds -- Dissipation of kinetic energy in clumpy magnetic clouds -- Large and small scale structures of molecular clouds in the taurus perseus complex -- Chemical evolution in local interstellar molecular clouds -- C18—O and optical observations of the Taurus cloud in front of 3C 111 -- Radio continuum and molecular line studies of dense cores in dark clouds -- Star counts and ammonia observations in the central Taurus region -- Frosts in the p Oph molecular cloud -- Observations of 12CO data and models for the dark cloud L183 -- Dense cores and star formation in nearby dark clouds --IRAS observations of star formation in nearby molecular clouds -- Star formation in the centrally condensed core of the Rho Ophiuchi dark

cloud -- Warm dust in the RCRA molecular cloud -- On the possible contribution of the frustrated total reflection in the composite dielectric grains to the extinction and polarization of light -- The coexistence of spectral features of dust particles and of ionized gas as found in IRAS data -- CO observations of high velocity gas around S187 -- CO and 13CO observations of HI absorption clouds -- The stellar content of nearby clouds — T Tauri stars -- Mass outflows from T Tauri stars and their interaction with the environment -- An overview on herbig-haro objects -- The envelopes of the Herbig Ae/Be stars -- VLA observations of point sources in the Rho Ophiuchi cloud -- Upper limits to coronal emission from X-ray detected T Tauri stars -- Rotation and X-ray activity in T Tauri stars -- Supersonic CO flows, H2O masers and HH objects in NGC 1333 and NGC 7129 -- VLA observations of the OH and H2O masers in the young star cluster NGC 2071 IR -- Two ZAMS AOV stars in CHA I.