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Nota di contenuto	The stellar populations in the Magellanic Clouds. An overview -- Kinematics in the Small Magellanic Cloud -- Star formation history in the keyprogram Regions C and E in the LMC -- New Coravel radial velocities, structure and kinematics of the Magellanic Clouds -- The morphology of the large magellanic cloud and its surroundings -- The distance to the large magellanic cloud from observations of SN1987A -- CO in the Large Magellanic Cloud — a SEST key project -- Overview of CO SEST observations: Small Magellanic Cloud -- Ionized carbon [CII] in the Magellanic Clouds -- The Magellanic Clouds as seen by IRAS -- Deep infrared images of the Small Magellanic Cloud and comparison with the distribution of ultraviolet emission -- Magellanic cloud research with ISO -- ROSAT observations of the magellanic clouds -- ROSAT survey view of the SMC -- Deep ROSAT observations of the northern part of the LMC containing the X-ray binary LMC X-4 -- H

alpha survey of the small magellanic cloud -- Survey of carbon stars and emission objects -- Detection of faint H $\gamma$  emission-line objects and carbon stars in the magellanic clouds -- A correlation between H $\gamma$ -extinction-excess and H $\gamma$  surface brightness -- Recent Studies of Gas and Dust in the Magellanic System -- Structure and Kinematics of the ISM in the LMC from HI 21-cm line emission -- Radio Continuum from the Magellanic Clouds New Aspects -- The Nonthermal Radiation Component in the Large Magellanic Cloud -- Interstellar Absorption-Line Observations of the Magellanic Clouds -- Interstellar Sodium in the Magellanic Clouds at High Spectral Resolution -- HII Regions Massive stars affecting the ISM -- Chemical homogeneity of the 30 Dor nebula -- UIT ultraviolet imaging of 30 Doradus -- The kinematics of red supergiants in 30 Dor and Shapley II: What for ? -- Investigations of the interstellar matter in and around supergiant shell LMC4 -- A survey of the environment of wolf-rayet stars in the magellanic clouds -- Emission line stars in LMC dark clouds -- A high resolution and high sensitivity survey of the SMC at 843 MHz -- Dust and gas masses from mm continuum observations of LMC and SMC -- Far infrared luminosities of GMCs in the large magellanic cloud -- Modelling the SMC: atomic to molecular transition and emissivities -- A survey of planetary nebulae in the LMC -- New CO and H $\gamma$  observations of Magellanic-type irregular galaxies -- Ultraviolet studies of Novae in the large Magellanic cloud -- Photoionisation modelling of nova LMC 1990 #1 -- Non-LTE, expanding model atmosphere studies of LMC novae -- SN1987A: A view from space -- SN 1987A after five years -- The abundances of SN1987A -- Dust formation in the ejecta of SN 1987A -- Supernova remnants in the magellanic clouds -- Cepheids, miras and CH stars in the magellanic clouds -- The most massive stars in the Magellanic Clouds -- Dusty B[e] stars -- Luminous blue variables of the Magellanic Clouds -- Be stars in Magellanic Cloud clusters -- Narrow band coronagraphic imaging of the bipolar nebula around the LBV R127 -- The envelopes of B[e] supergiants in the Magellanic Clouds -- A new way to calculate doublet P-Cygni profiles -- R40: first luminous blue variable in the small magellanic cloud -- Questions raised by massive stars in the magellanic clouds -- Implications of processed material in the atmospheres of LMC B supergiants -- The influence of close binary evolution on the theoretically predicted number distribution of WR stars in the Galaxy and in the Magellanic Clouds. -- Chemical abundances of B-type stars in the Magellanic Clouds 1,2 -- Analyses of F supergiant stars in the Magellanic Clouds -- Abundances of KM supergiants in magellanic Cloud clusters -- Stellar vs. Interstellar Abundances in the Magellanic Clouds -- New Abundance Analyses of B-Type Giants in the Magellanic Clouds -- Observation of Stars in NGC1948 -- New Aspects of Young Magellanic Cloud Clusters -- Evolutionary Tracks and color Magnitude Diagrams -- New Sets of Evolutionary Tracks -- CCD Photometry Of The LMC Clusters NGC 2134 And NGC 2249: The Effect Of The Opacities -- New Strömrgren and H $\gamma$  Photometry of Young LMC Clusters -- Search for mass segregation in NGC2098 in the Large Magellanic Cloud -- On the formation of young globular clusters in the Magellanic Clouds -- How to model the chemical evolution of the Magellanic Clouds -- Where is SMC 1 ? -- A catalogue with accurate positions and a grid of Magellanic Cloud selected areas -- Conclusions and perspectives -- List of participants.

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## Sommario/riassunto

The proceedings of the Second European Meeting on "New Aspects of MagellanicCloud Research" review the most recent progress in the study of the LMC and SMC. The activities within the ground-based ESO key programme "Coordinated Investigations of Selected Regions in the Magellanic Clouds", as well as new exciting observations from space

missions (ROSAT, IUE, ISO, IRAS) result in a more profound insight into the structure, kinematics, populations (stars, clusters, interstellar medium), and the chemical composition and evolution of the Magellanic Cloud system. The book addresses researchers and graduate students in astrophysics.

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