MEMORIE DELLA SOCIETÀ ASTRONOMICA ITALIANA

Vol.74 n.4 2003

Workshop on Variability with Wide-Field Imagers

Lampedusa, September 16-20, 2002

editors: G. Bono, M. Castellani, D. Trevese

TABLE OF CONTENTS

G. Bono, M. Castellani, D. Trevese
Foreword 850

List of Participants 853

Stars and NEOS

E. Antonello, M. Bossi, S. Covino, D. Fugazza, L. Mantegazza, E. Poretti, M. Stefanon
Variable stars in nearby galaxies 856

L. Baldacci, G. Clementini, E.V. Held, L. Rizzi
NGC 6822: detection of variable stars with ISIS2.1 860

A. Boattini, G. D'Abramo,, G. Forti
The importance of Near Earth Object detections on archival images: recent results and future potential 864

C. Briceno, N. Calvet, A.K. Vivas, L. Hartmann
Large Scale Variability Surveys from Venezuela: Orion OB1 and beyond 870

M. Castellani, G. Bono, R. Buonanno, F. Caputo, V. Castellani, C.E. Corsi, M. Dall'Ora, M. Marconi, M. Monelli, M. Nonino, L. Pulone, V. Ripepi, H.A.Smith, A.R. Walker
The Carina Project: color magnitude diagram and radial distribution 874

G. Clementini
The VSNG Project: variable stars in nearby galaxies 878

C. E. Corsi, G. Bono, A.R. Walker, E. Brocato, R. Buonanno, F. Caputo, M. Castellani, V. Castellani, M. Dall'Ora, M. Marconi, M. Monelli, M. Nonino, L. Pulone, V. Ripepi, H. A. Smith
The Carina Project: Absolute and Relative Calibrations 884

M. Dall'Ora, V. Ripepi, F. Caputo, V. Castellani, G. Bono, E. Brocato, R. Buonanno, M. Castellani, C.E. Corsi, M. Marconi, M. Monelli, M. Nonino, L. Pulone, H.A. Smith and A.R. Walker
The Carina Project: bright variables 894

S. Degl'Innocenti, M. Cignoni, S. Petroni,, P.G. Prada Moroni
Faint limiting magnitudes as a test for Galactic Models 899

M. Maio, G. Clementini, A. Bragaglia, E. Carretta, R. Gratton, L. Di Fabrizio
Variable Stars in the LMC: the Photometric Catalogue 905

M. Monelli, A.R. Walker, G. Bono, E. Brocato, R. Buonanno, F. Caputo, M. Castellani, V. Castellani, C.E. Corsi, M. Dall'Ora, M. Marconi, L. Pulone, V. Ripepi, M. Nonino, H. A. Smith, P.B. Stetson, M. Zoccali
The Carina Project: Photometric Accuracy 909

S. Petroni, G. Bono
Field and cluster RR Lyrae stars as stellar tracers 915

A.M. Piersimoni, M. Del Principe,M. Dolci,A. Di Paola
Near-Infrared observations of cluster RR Lyrae in M92: preliminary results. 920

O. Straniero, I. Dominguez, G. Imbriani, L. Piersanti, P.G. Prada Moroni
Pulsating White Dwarfs 924

A. Katherina Vivas, Robert Zinn
RR Lyrae Stars in the Halo: Tracers of Streams of Debris of Disrupted Galaxies 928

Supernovae & AGN

Giuseppe Altavilla
An Intermediate Redshift Supernova Search protectnewline at ESO: SN Rate first estimate 934

I. Dom'i nguez, P. H"oflich, O. Straniero
The effects of stellar populations on Type Ia supernovae 938

W. Hillebrandt, J.C. Niemeyer, M. Reinecke, C. Travaglio
The physics and astrophysics of type Ia supernova explosions 942

Piersanti L., Gagliardi S., Iben I. Jr,, Tornamb'e A.
DD systems as SNe Ia Progenitors 949

M. E. Salvo, B. P. Schmidt, M. C. B. Ashley, A. Phillips
Looking for supernovae in the southern sky 953

Vicki Sarajedini
Variable Galaxies Detected with the Hubble Space Telescope 957

F. Vagnetti,, D. Trevese
Color Variability of AGNs 963

Multi-purpose projects

E. Cappellaro, A. Baruffolo, E. Cascone, L. Greggio, K. Kuijken, R. Bender, B. Muschielok, O. Iwert, W. Mitsch, H. Nicklas, E.A. Valentijn
OmegaCAM at the VLT Survey Telescope 967

R. Hudec, L. Pina, A. Inneman, M. Marconi
Wide–Field Sky Monitoring - Optical and X-rays 973

Z. Ivezić, R.H. Lupton, S. Anderson L. Eyer, J.E. Gunn, M. Juri'c, G.R. Knapp, G. Miknaitis, J.E. Gunn, C.M. Rockosi, D. Schlegel, M.A. Strauss, C. Stubbs, D.E. Vanden Berk
Variability Studies with SDSS 978

Marco Riello
Variable sources and data mining: an example 984

R. Chris Smith, Armin Rest
Real-time Variability Studies with the NOAO 989

G. Valentini, N. Panagia, P. Goudfrooij, R. Gilmozzi
Surface brightness profile reconstruction for elliptical galaxies: the case of FornaxA (NGC1316) 995

A.R. Walker
The Large Synoptic Survey Telescope (LSST) and its Impact on Variable Star Research 999

Concluding remarks

G. Bono, D. Trevese, M. Turatto
Synergies in Variability Studies of Stars, Supernovae, and Active Galactic Nuclei 1004