

List of Posters (available at <http://www.ta3.sk/IAUS224/Proceedings/Posters>)

Section A. NORMAL A-STARS

A platform independent, paralel version of Atlas12 **AP1**
K.M. Bischof

The abundances of A/F and Am/Fm stars in open clusters **AP2**
R. Monier, O. Richard

Elemental abundance studies using the EBASIM spectrograph of the 2.1-m
CASLEO Observatory telescope. I. The normal stars 5 Aqr and 30 Peg **AP4**
S.J. Adelman, Z. López-García, S.M. Malaroda, N. Núñez, M. Grosso

Synthetic spectra of A supergiants **AP5**
D. Korčáková, J. Kubát, J. Krůčka, M. Šlechta

Vega and the local interstellar medium **AP6**
D.A. Bohlender, R.E.M. Griffin

A preliminary analysis of the sharp-lined A3V star 95 Leo **AP7**
A. Teker, D. Kocer, S.J. Adelman

Section B. STELLAR EVOLUTION, ROTATION, BINARITY

Accurate fundamental parameters of eclipsing binary stars **BP2**
J. Southworth, B. Smalley, P.F.L. Maxted, P.B. Etzel

Omicron Leonis, an evolving Am binary: when two wrongs do make a right **BP3**
R.E.M. Griffin

Section C. CONVECTION IN STARS

Stellar model atmospheres with emphasis on velocity dynamics **CP1**
Ch. Stütz, F. Kupka

Observational signatures of atmospheric velocity fields in Main Sequence stars . **CP2**
*F. Kupka, J.D. Landstreet, A. Sigut, C. Bildfell, A. Ford, T. Officer, J. Silaj,
A. Townshend*

Section D. DIFFUSION AS THE MECHANISM OF ELEMENT SEGREGATION

Element stratification in the atmospheres of two weakly magnetic Ap stars
of Cr-type **DP1**
T. Ryabchikova, F. Leone, O. Kochukhov, S. Bagnulo

Fast and easy computation of radiative accelerations in stellar interiors **DP2**
G. Alecian, F. LeBlanc

- The Li overabundance of J 37: diffusion or accretion? **DP3**
J.F. Ashwell, R.D. Jeffries, B. Smalley, C.P. Deliyannis, A. Steinhauer,
J.R. King

Section E. MAGNETIC FIELDS

- Seeking the progenitors of magnetic Ap stars: A search for magnetic fields in
Herbig Ae/Be stars with FORS1 at the ESO VLT **EP1**
D. Drouin, G.A. Wade, S. Bagnulo, J.D. Landstreet, E. Mason, D.N. Monin
- A spectropolarimetric survey of the coolest magnetic Ap stars **EP2**
N. Johnson, G.A. Wade, M. Aurière, J.-F. Donati, F. Lignières, S. Marsden,
D. Mouillet, F. Paletou, N. Toqué, P. Petit, J.D. Landstreet, T. Lüftinger
- Vertical structure of magnetic field in the CP star α^2 CVn **EP4**
I. Romanyuk, D. Kudryavtsev
- Measuring magnetic field in CP stars using multiline approach **EP5**
E. Semenko
- The deforming effect of stellar magnetic fields on spectral line profiles **EP6**
E. Gerth, Yu.V. Glagolevskij
- Modelling of several long-periodic magnetic CP-stars: HD 2453, HD 12288,
HD 20031 **EP8**
Yu.V. Glagolevskij, E. Gerth
- Search for radial magnetic field gradients in Ap atmospheres **EP9**
N. Nesvacil, S. Hubrig, E. Jehin
- Search for new magnetic stars in stellar groups and open clusters **EP10**
D. Kudryavtsev, I. Romanuyk, V. Elkin
- The decentered magnetic dipole - a challenge for modelling **EP11**
E. Gerth, Yu.V. Glagolevskij
- A survey of the weakest-field magnetic Ap stars: discovery of a threshold
magnetic field strength? **EP12**
M. Aurière, J. Silvester, G.A. Wade, S. Bagnulo, J.-F. Donati, N. Johnson,
F. Lignières, J.D. Landstreet, T. Lüftinger, D. Mouillet, F. Paletou, P. Petit,
S. Strasser
- The catalogue of averaged magnetic phase curves **EP13**
V.D. Bychkov, L.V. Bychkova, J. Madej
- Parameters of the averaged magnetic phase curves **EP14**
V.D. Bychkov, L.V. Bychkova, J. Madej

The magnetic field of β Lyrae	EP16
<i>M.Yu. Skulsky, S.I. Plachinda</i>	

Section F. CHEMICALLY PECULIAR STARS

Diagnostics of λ Bootis stars' atmospheres using Na-D, H α and Paschen lines ..	FP1
<i>I.Kh. Iliev, I. Stateva, E. Paunzen, I. Barzova</i>	

Analysis of light curves of magnetic CP stars by advanced PCA methods	FP2
<i>Z. Mikulášek, J. Zverko, J. Žižňovský, J. Janík</i>	

Elemental abundances for HgMn stars observed with EBASIM echelle spectrograph at CASLEO	FP3
<i>O.I. Pintado, S.J. Adelman</i>	

The enigma of lithium in roAp stars	FP7
<i>N. Polosukhina, A. Shavrina, N.A. Drake, V. Tsymbal, M. Hack, P. North, V. Khalack, J. Zverko, J. Žižňovský, Ya. Pavlenko</i>	

Spectroscopic analysis of the metallic - line star 2 Ursae Majoris (A2m)	FP8
<i>İ.H. Çay</i>	

Speckle interferometry of the binary system 53 Cam	FP9
<i>I.I. Balega, Y.Y. Balega, E.V. Malogolovets</i>	

A spectroscopic atlas of the magnetic CP star HR 8216 (A6pCr(Eu)) $\lambda\lambda$ 3830-4770	FP10
<i>H. Caliskan, S.J. Adelman, A.F. Gulliver</i>	

Spotted Li abundance on the surface of the CP star HD 3980	FP11
<i>N.A. Drake, N.S. Polosukhina, R. de la Reza, M. Hack</i>	

Chemical analysis of a triple system of A-type stars	FP12
<i>Y. Frémat, P. Lampens, H. Hensberge</i>	

The dependence of the energy distribution on the abundances of A-star atmosphere models	FP13
<i>J. Krtička, Z. Mikulášek, J. Zverko, J. Žižňovský</i>	

Lithium and its isotopic ratio $^6\text{Li}/^7\text{Li}$ in the atmospheres of some sharp-lined roAp stars	FP14
<i>A. Shavrina, N. Polosukhina, S. Khan, Ya. Pavlenko, V. Khalack, G.A. Wade, P. Quinet, N. Mikhailitska, A. Yushchenko, V. Gopka, A. Hatzes, D. Mkrtichian, A. Veles</i>	

UV photometry of λ Boo stars and related objects	FP15
<i>E. Paunzen, U. Heiter</i>	

Frequencies of CP2 stars in open clusters and galactic field **FP16**
M. Rode-Paunzen, H. Pöhl, E. Paunzen, H. M. Maitzen

The helium abundances in HgMn and normal stars **FP17**
M.M. Dworetsky

On the radioactive shells in peculiar main sequence stars: the phenomenon
of Przybylski's star **FP18**
V.F. Gopka, A.V. Yushchenko, A.V. Shavrina, D.E. Mkrtichian, A.P. Hatzes,
S.M. Andrievsky, L.V. Chernysheva

The $\Delta\alpha$ research group **FP19**
H.M. Maitzen, E. Paunzen, H. Pöhl, M. Rode-Paunzen, M. Netopil, Ch. Stütz,
H. Baum

Search for tidally driven abundance anomalies in Am stars **FP20**
M. Feňovčík, J. Budaj, I. Iliev, M.T. Richards, I. Barzova

Testing the presence of lithium on the surface of cool Ap stars **FP21**
N. Nesvacil, S. Hubrig, G. Mathys

New observations of the CP stars in the spectral regions of Li I 6708 Å
and 6104 Å lines with the 6 m BTA telescope **FP23**
N. Polosukhina, D. Kudryavtsev, N.A. Drake, Y. Lyubchik, A. Shavrina,
M. Hack

Section G. PULSATING VARIABLES

Long period oscillations in roAp stars **GP1**
J.D. Riley, D.W. Kurtz, M.S. Cunha

Radial velocity pulsations in the atmosphere of the roAp star HD 24712 **GP2**
M. Sachkov, T. Ryabchikova, I. Ilyin, O. Kochukhov, T. Lüftinger

The effect of a magnetic field on the radiative excitation and damping
of p-modes **GP3**
H. Saio

Limits for the application of spectroscopic mode ID methods **GP5**
W. Zima, K. Kolenberg, M. Briquet, M. Breger

Period04: A software package to extract multiple frequencies from real data ... **GP6**
P.Lenz, M. Breger

SigSpec – a reliable computation of significance in Fourier space **GP8**
P. Reegen

- Multisite observations of the pre–Main-sequence δ Scuti-type star IP Per **GP9**
V. Ripepi, S. Bernabei, M. Marconi, F. Palla, A. Arellano Ferro, A. Bonanno, P. Ferrara, A. Frasca, X.J. Jiang, S.L. Kim, S. Marinoni, G. Mignemi, T.D. Oswalt, P. Reegen, J. Rimas, E. Rodriguez, A. Rolland, A. Ruoppo, L. Terranegra, K. Zwintz
- On the rapid variability of the global magnetic field in γ Equ **GP11**
V.D. Bychkov, L.V. Bychkova, J. Madej
- The δ Scuti star 44 Tau: Observations and analysis **GP12**
V. Antoci, M. Breger
- Observation of new candidates for the PMS δ Scuti stars class **GP13**
S. Bernabei, V. Ripepi, M. Marconi, L. Terranegra, P. Ferrara, S. Marinoni, E. Schisano, F. Palla
- Rapid radial velocity variations in the Ap star HD 965 **GP15**
V.G. Elkin, D.W. Kurtz, G. Mathys
- About the chemical composition of δ Scuti - the prototype of the class of pulsating variables **GP16**
A.V. Yushchenko, V.F. Gopka, C. Kim, F.A. Musaeu, Y.W. Kang
- How to interpret LPV in roAp stars **GP17**
H. Shibahashi, D.W. Kurtz, E. Kambe, D.O. Gough
- Pulsation of the δ Scuti multiple system DG Leo **GP18**
P. Lampens, Y. Frémat, R. Garrido, J.H. Peña, L. Parrao, P. Van Cauteren, J. Cuypers, P. De Cat, H. Hensberge, T. Arentoft, P. Mathias, M. Hobart
- Indirect imaging of stellar nonradial pulsations **GP20**
O. Kochukhov
- The puzzling Maia candidate star α Draconis **GP21**
Th. Kallinger, I. Iliev, H. Lehmann, W.W. Weiss
- Various applications of multicolour photometry and radial velocity data for multimode δ Scuti stars **GP22**
J. Daszyńska-Daszkiewicz, W.A. Dziembowski, A.A. Pamyatnykh, M. Breger, W. Zima
- First spectroscopic detection of rapid multi-mode pulsations in the Przybylski's star **GP24**
D.E. Mkrtichian, A.P. Hatzes
- Pulsations in pre-main sequence stars. The case of HD 34282 **GP25**
P.J. Amado, A. Moya, J.C. Suárez, S. Martín-Ruiz, R. Garrido, E. Rodríguez, C. Catala, M.-J. Goupil

Section H. EVOLVED A-TYPE STARS

- The supergiant η Leo (A0 Ib) **HP2**
T. Tanrverdi, S.J. Adelman, B. Albayrak
- Abundances in 4 Lacertae and ν Cephei **HP3**
K. Yüce
- Ap stars as progenitors of magnetic white dwarfs **HP4**
A. Kawka, S. Vennes
- Modelling the spectrum of TT Hya - an Algol binary with a disc **HP5**
J. Budaj, M.T. Richards
- Evidence of episodic wind events in Deneb **HP6**
R.E.M. Griffin

Section I. THE A-STAR LABORATORY

- Characteristics of our neighboring A-stars **IP1**
C.J. Corbally, R.O. Gray

Section J. OBSERVATIONAL CHALLENGES OF A-TYPE STARS

- The ASTRA spectrophotometer: A July 2004 progress report **JP2**
*S.J. Adelman, A.F. Gulliver, B. Smalley, J.S. Pazder, P.F. Younger,
 L.J. Boyd, D. Epan*
- POLLUX: a database of high resolution echelle spectra of standard stars **JP3**
R. Monier & A. Lèbre
- Orbital solutions for the A-type binaries α Dra and Mizar A using spectrum
 disentangling **JP4**
*A. Budovičová, J. Kubát, P. Hadrava, M. Šlechta, D. Korčáková, M. Dovčiak,
 P. Škoda*