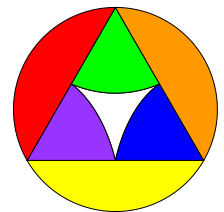


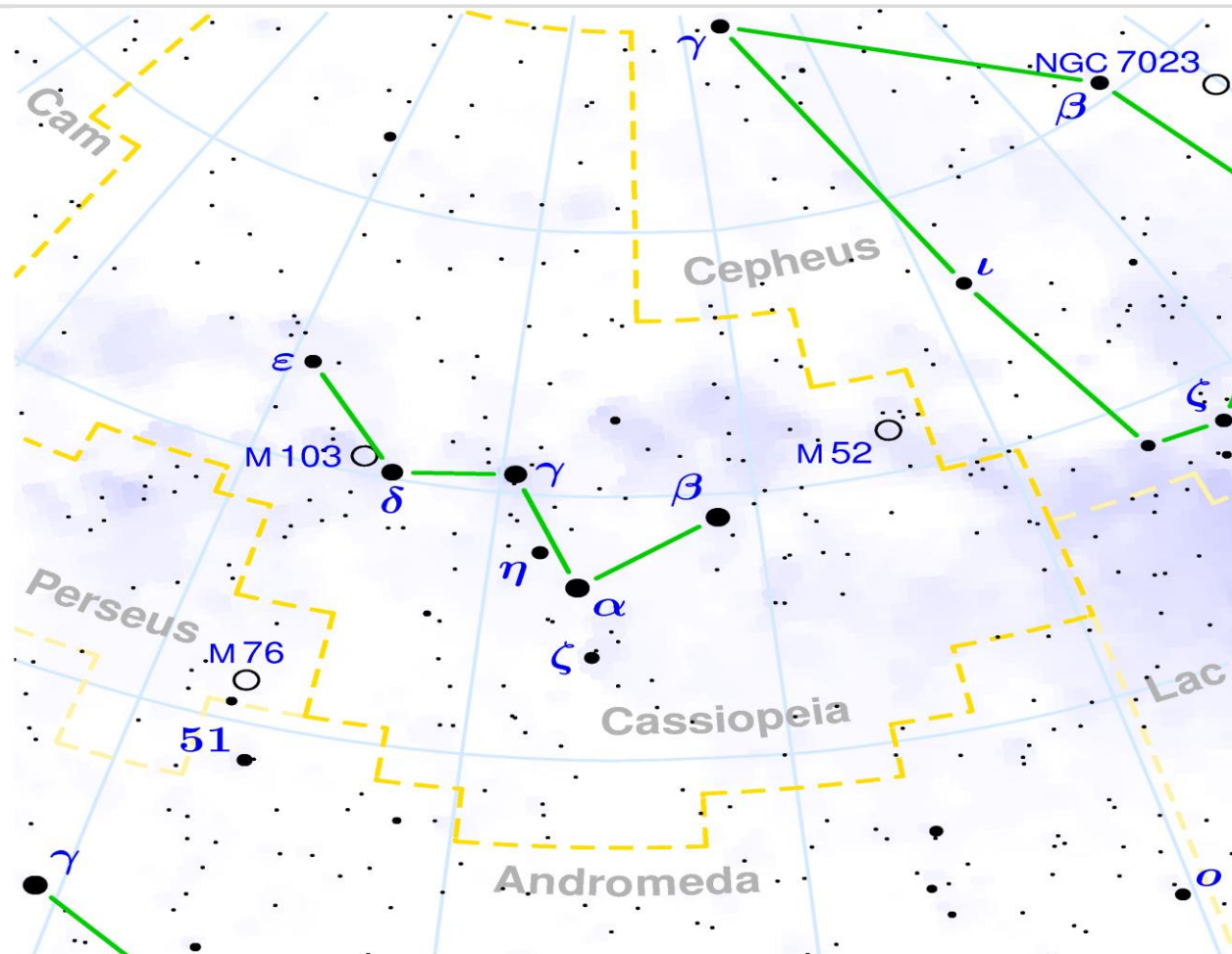


Spectra van Be sterren

De ProAm BeSS database



Spectra van Be sterren en de ProAm BeSS database



Bron: Wikipedia

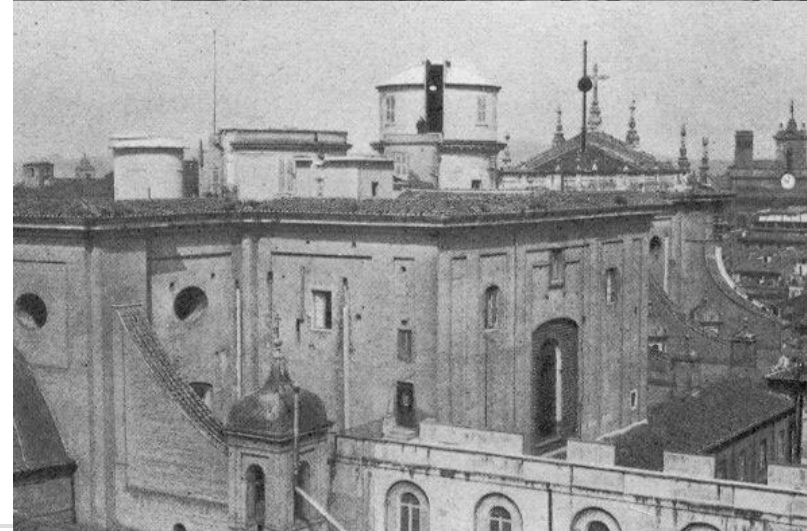
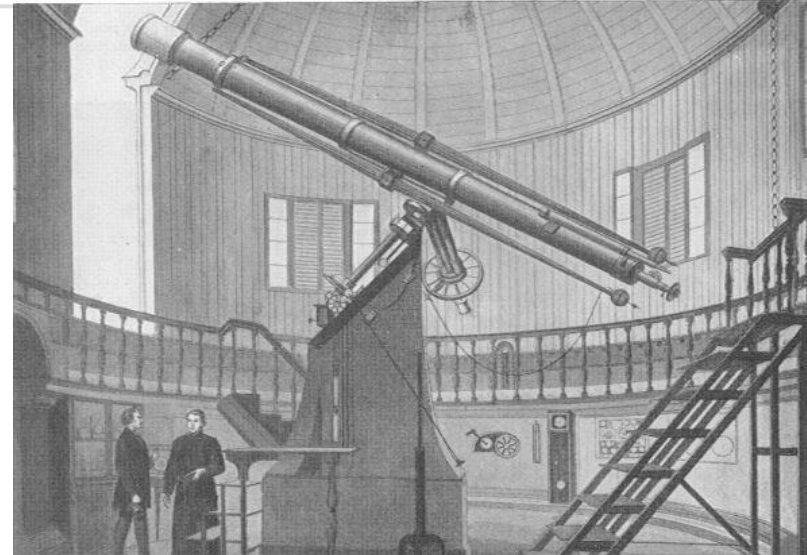
Het begon met de ster Gamma Cassiopeiae, 150 jaar geleden

Spectra van Be sterren en de ProAm BeSS database



Bron: <http://www.klima-luft.de/steinicke/ngcic/persons/secchi.htm>

**Pietro Angelo Secchi nam Gam
Cas spectroscopisch waar op het
observatorium van de St.
Ignatius kerk in Rome in
augustus 1866 met een 9.5"
Merz refractor**



Spectra van Be sterren en de ProAm BeSS database

Schreiben des Herrn Prof. Secchi, Dir. der Sternwarte des Collegio Romano, an den Herausgeber.

Dans ma dernière je vous annonçais la grande facilité d'observer les spectres stellaires avec la nouvelle construction de spectroscopie que j'ai réussi à combiner. Bientôt j'espère de pouvoir vous envoyer une liste des objets examinés, mais pour le moment je ne pourrais différer davantage à vous signaler une particularité curieuse de l'étoile γ Cassiopée, unique jusqu'à présent. Celle-ci est que pendant que la grande majorité des étoiles blanches montre la raie f très-nette et large, et comme α Lyre, Sirius etc., γ Cassiopée a à sa place une ligne lumineuse très-belle et bien plus brillante que tout le reste du spectre. La place de cette raie est, autant que j'en ai pu prendre des mesures, exactement coïncidente avec celle de f , et on peut très-bien en faire la comparaison avec l'étoile voisine β Cassiopée. La mesure je l'ai prise en plaçant une pointe de repère dans le chercheur et couvrant la raie dans la grande lunette avec la pointe micrométrique du spectroscopie: si les deux lunettes sont portées de l'étoile γ à l'étoile β et placées de la même manière sur l'une et sur l'autre on

trouve que la position de la raie luisante de la première correspond à la raie obscure de la seconde. J'espère pouvoir faire ces mesures d'une manière plus exacte encore. En comparant ainsi l'étoile β Pégase on trouve que la f tombe sur une région noire des bandes que cette étoile présente. Du reste la bande luisante que montre γ Cassiopée, n'est pas unique, il y en a plusieurs autres, mais assez plus petites, et je ne les ai pas mesurées. Cette étoile présente donc un spectre inverse de celui du type ordinaire des étoiles blanches.

Pour vous donner une idée pratique de l'effet de cette bande je vous dirai que cette ligne brille sur le reste du spectre comme le groupe du magnésium brille sur le fond lumineux du spectre lorsqu'on brûle ce métal.

Dans une autre lettre les détails des autres étoiles. — M. Respighi a vérifié ces résultats et a même vu avec sa lunette de 5 pouces seulement plusieurs beaux spectres avec l'usage de ma combinaison.

Rome, 1866 Août 23.

A. Secchi.

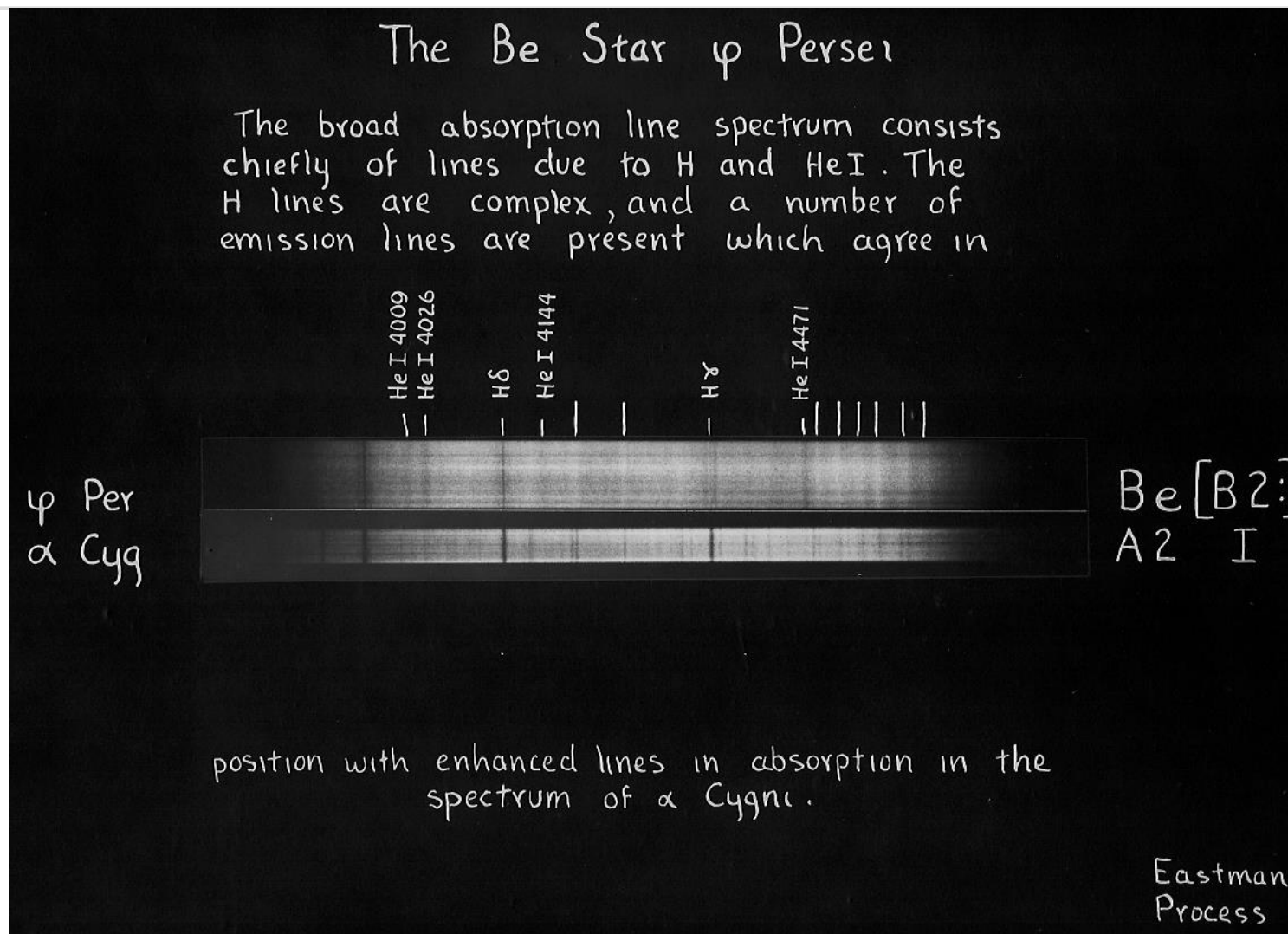
Spectroscopische ontdekking van de eerste Be ster, Gamma Cassiopeia door Angelo Secchi op 23 Augustus 1866. Titel in het Duits, uitleg in het Frans!



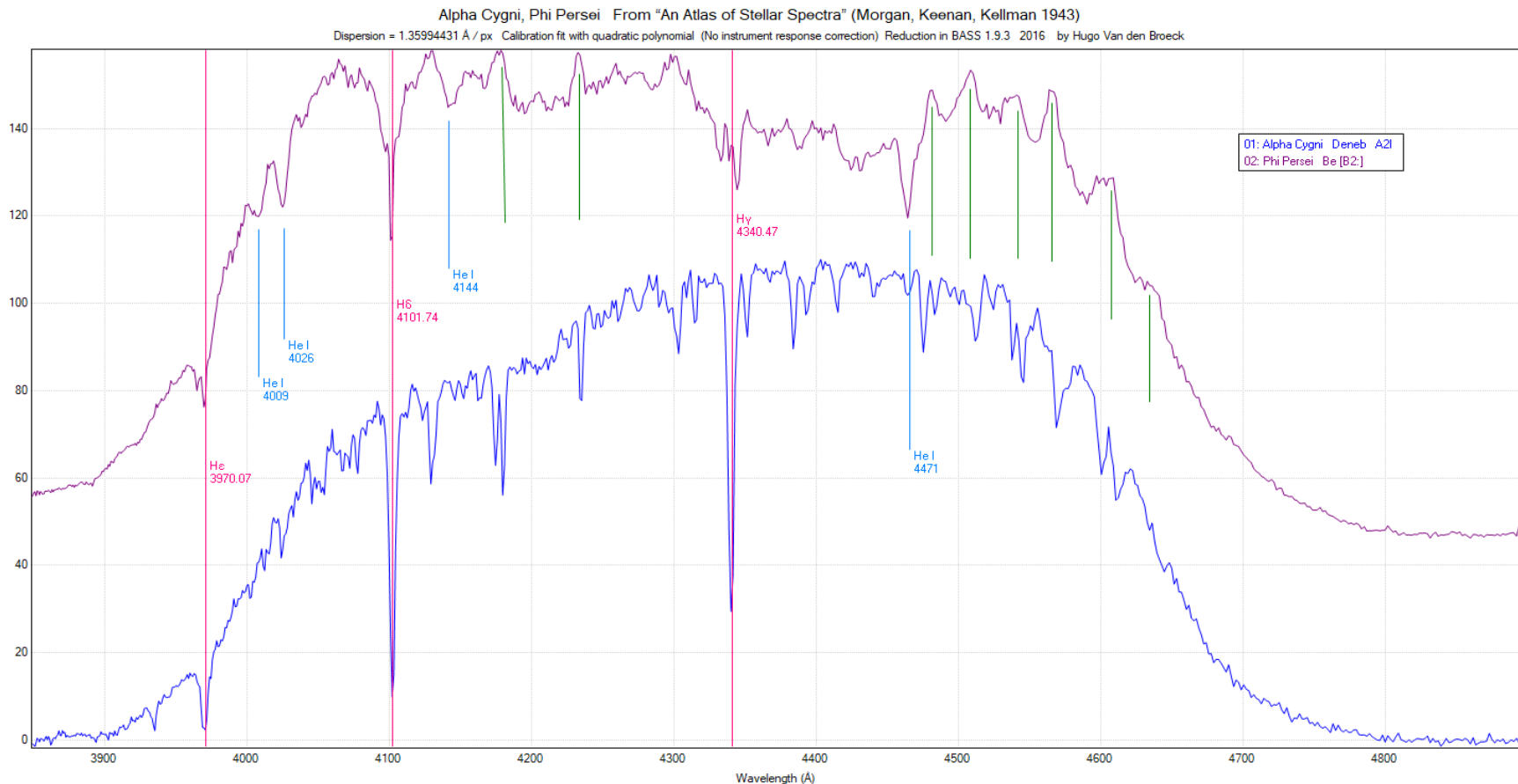
Spectra van Be sterren en de ProAm BeSS database

***Be sterren en P Cygni sterren
Uit de MKK catalogus
(Morgan Keenan Kellman 1943)***

Spectra van Be sterren en de ProAm BeSS database



Spectra van Be sterren en de ProAm BeSS database

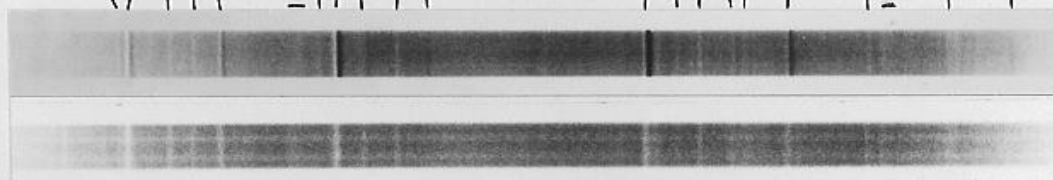


Spectra van Be sterren en de ProAm BeSS database

P Cygni

The spectrogram of P Cygni was taken on Aug 3, 1941

He I 3965
H + He
N II 3994
He I 4009
He I 4026
O II
Si IV 4089
H δ
He I - Si IV
He I 4144
Fe III 4164
H γ
O II 4367-9
He I 4387
O II - Fe III
Fe III - He I
He I 4471
Si III 4552
Si III
4643-50
He I 4713



P Cyg
 χ^2 Ori

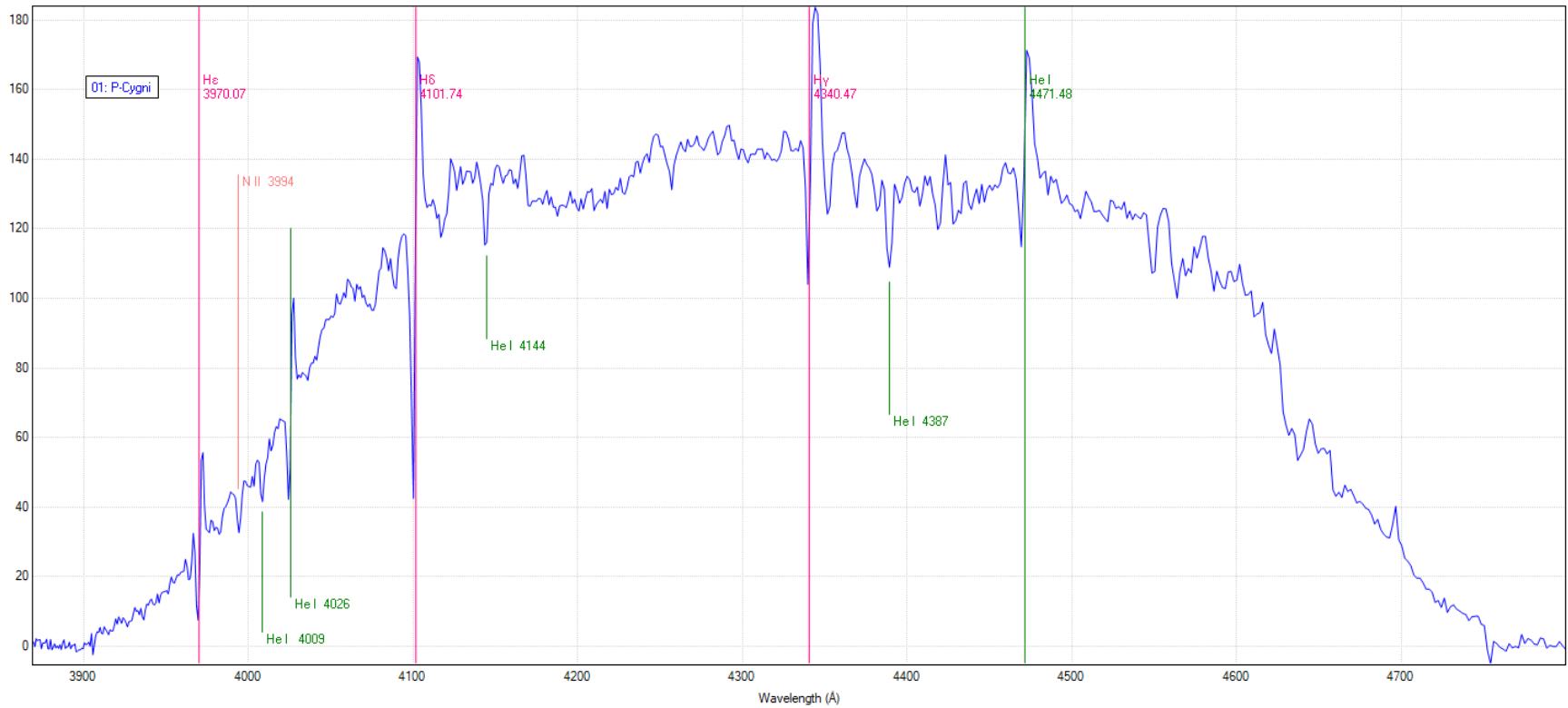
Be
B2 I

The absorption spectrum of P Cygni can be classified as lying somewhere between B0 and B2. The type assigned depends on the lines used for classification.

Spectra van Be sterren en de ProAm BeSS database

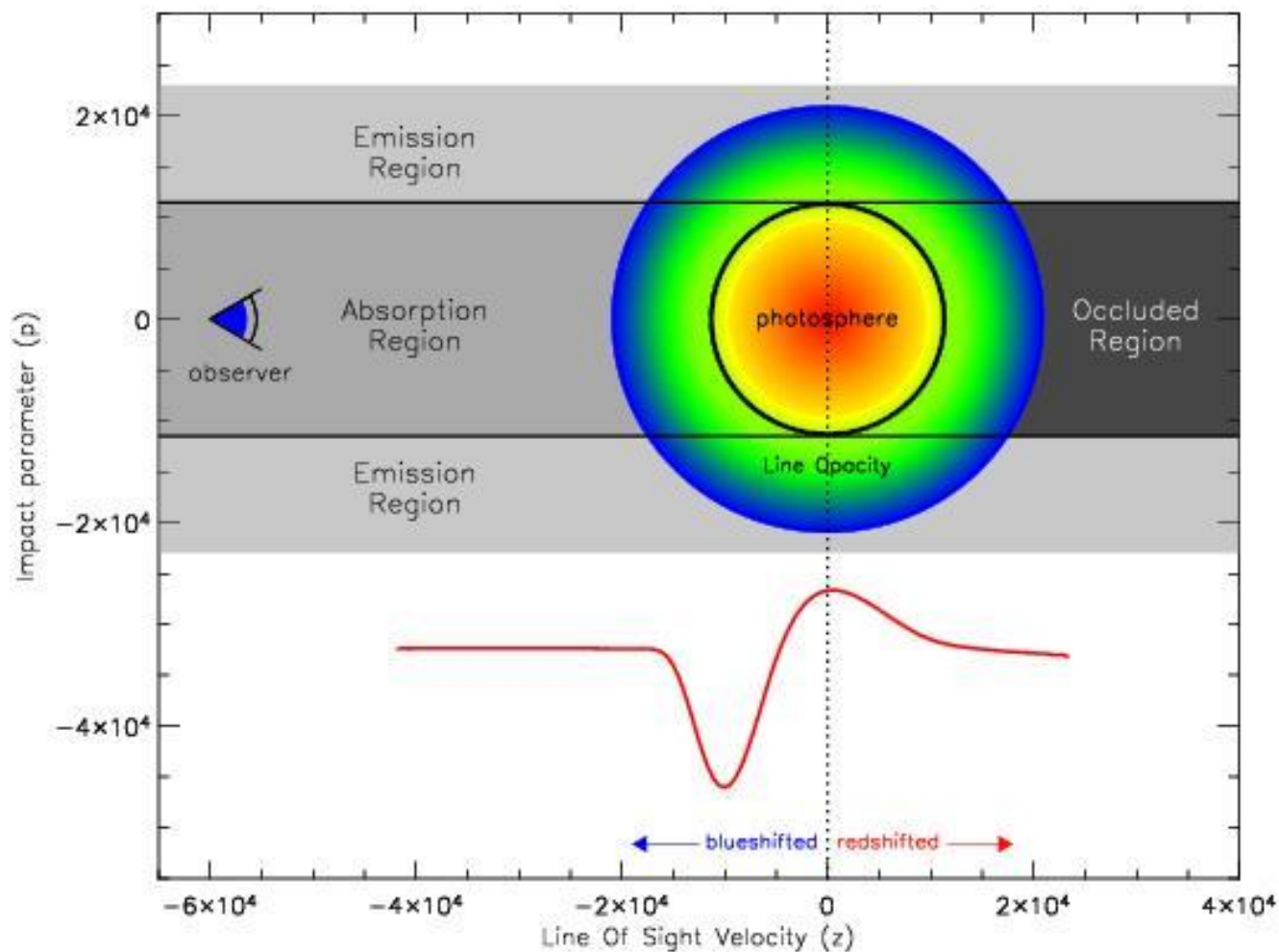
P Cygni Type B1 Ia From "An Atlas of Stellar Spectra" (Morgan, Keenan, Kellman 1943) August 3 1941 Reduction in BASS 1.9.3 June 2016 Hugo Van den Broeck

Dispersion 1.32633392 Å / px Resolving Power R = 1794 @4100Å Equiv Width : 0.44065 Å Calibration fit with quadratic polynomial



BASS Project 1.9.6 Beta 324

Spectra van Be sterren en de ProAm BeSS database



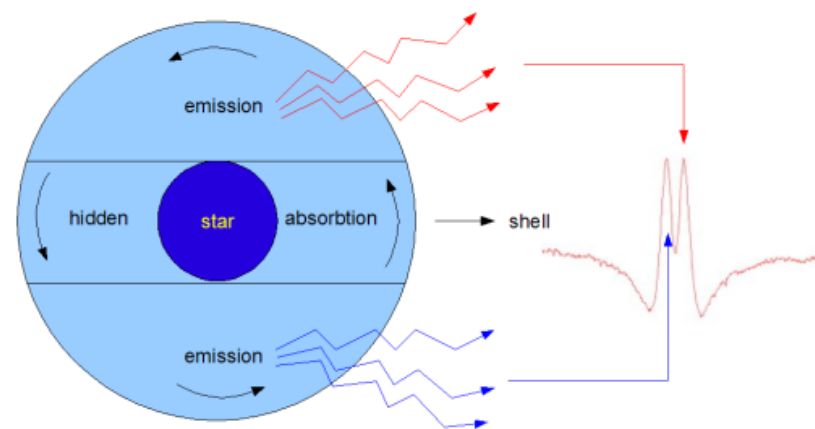
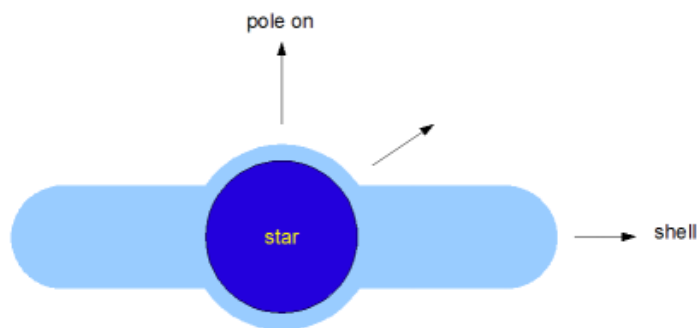
Bron : astrobit.es.org

Definitie (Be ster)

Een B ster, maar geen supper reus, waarvan het spectrum één of meer Balmer lijnen in emissie heeft of had.

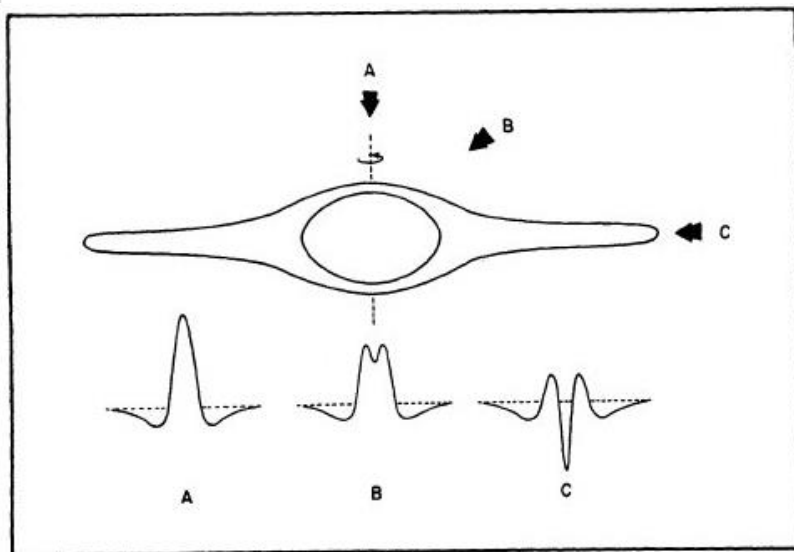
(Jaschek et al., 1981; Collins, 1987)

Spectra van Be sterren en de ProAm BeSS database

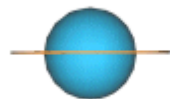
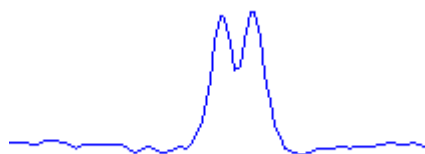
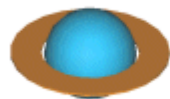
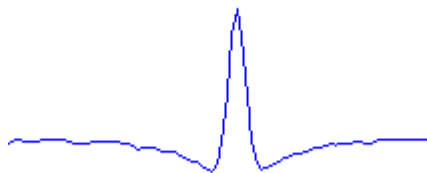
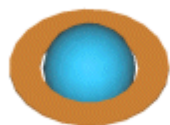


Model van een typische Be ster (Kogure & Hirata, 1982)

Dezelfde Be ster kan een verschillend spectrum hebben, afhankelijk van hoe wij op de schijf aankijken (Slettebak 1988)



Spectra van Be sterren en de ProAm BeSS database



Sletteback 1979



Spectra van Be sterren en de ProAm BeSS database

***Lage resolutie spectra van Be sterren:
Eigen opnamen en opnamen in samenwerking met
Guy Wauters met verschillende spectroscopen,
camera's en kijkers.***

Spectra van Be sterren en de ProAm BeSS database



***Imaging Camera:
CCD camera + SA100 (voorbeeld ATIK 420 Mono)***

Spectra van Be sterren en de ProAm BeSS database



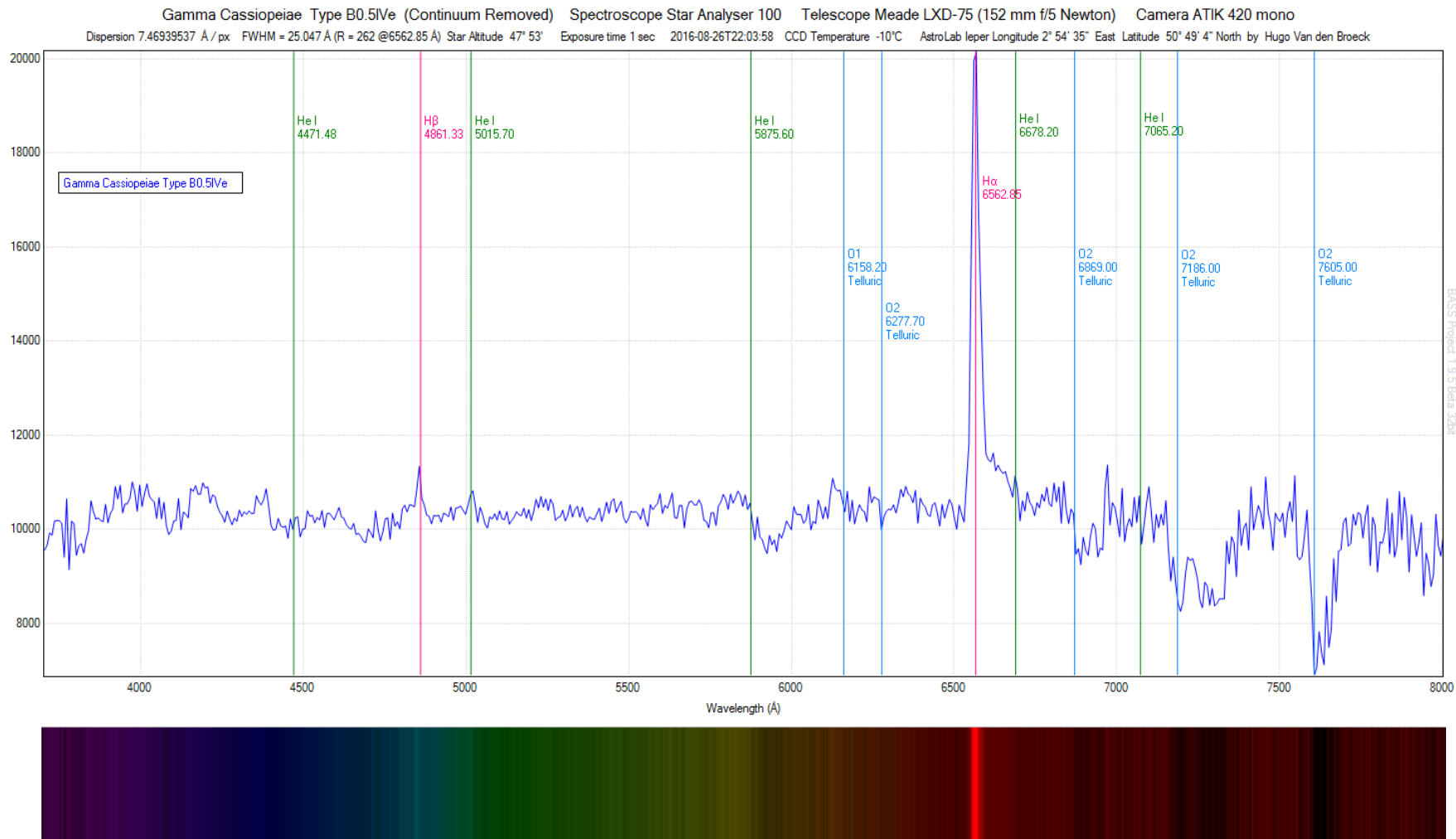


Spectra van Be sterren en de ProAm BeSS database



***Het ruwe spectrum van de ster Gam Cas in het sterrenbeeld Cassiopeia.
Opname met Star Analyser 100 gedurende StarNights in Ieper op 26 augustus 2016, 150 jaar na de ontdekking van deze emissiester door Angelo Secchi.***

Spectra van Be sterren en de ProAm BeSS database



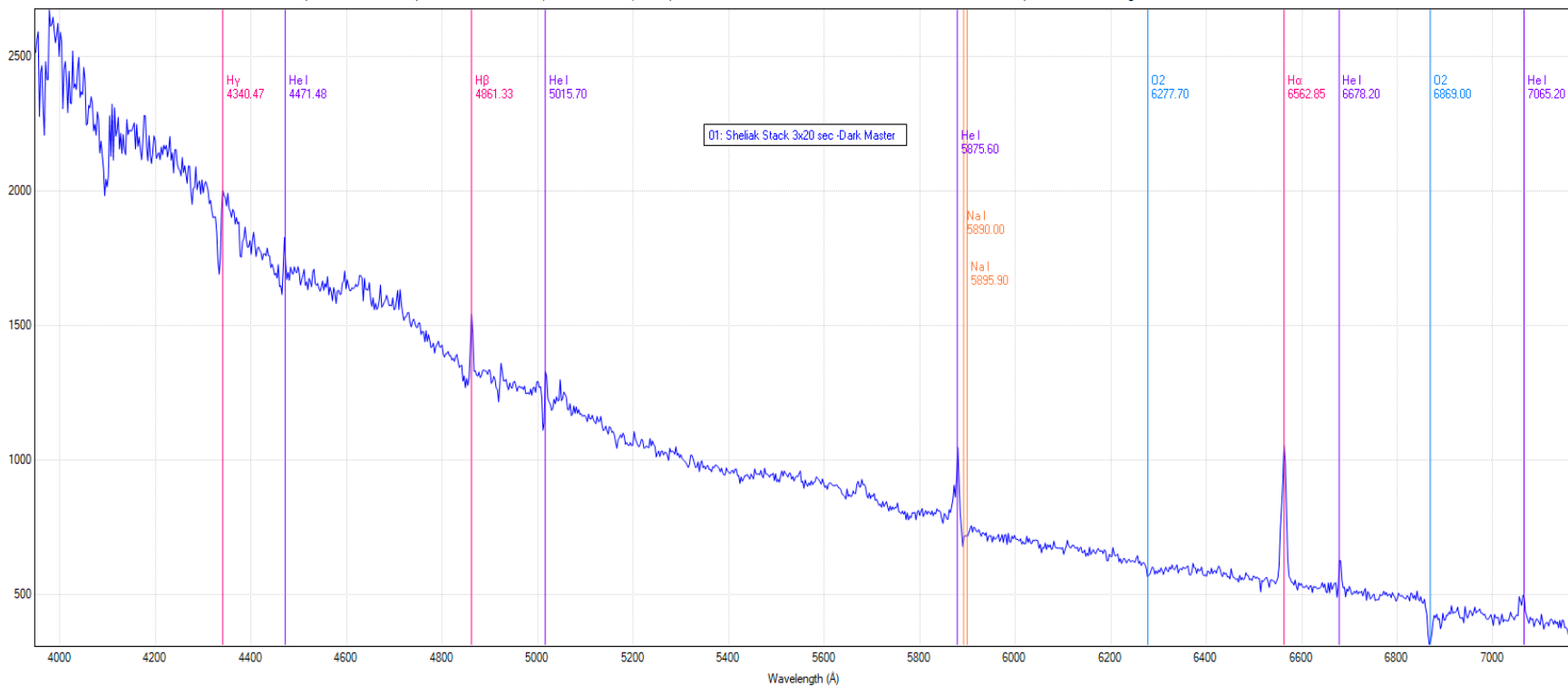
Spectra van Be sterren en de ProAm BeSS database



***De Shelyak LISA spectrocoop (Astrolab Iris) op een C11.
"Science" Camera (rood) ATIK 314L+ Volgcamera (blauw)
ATIK Titan***

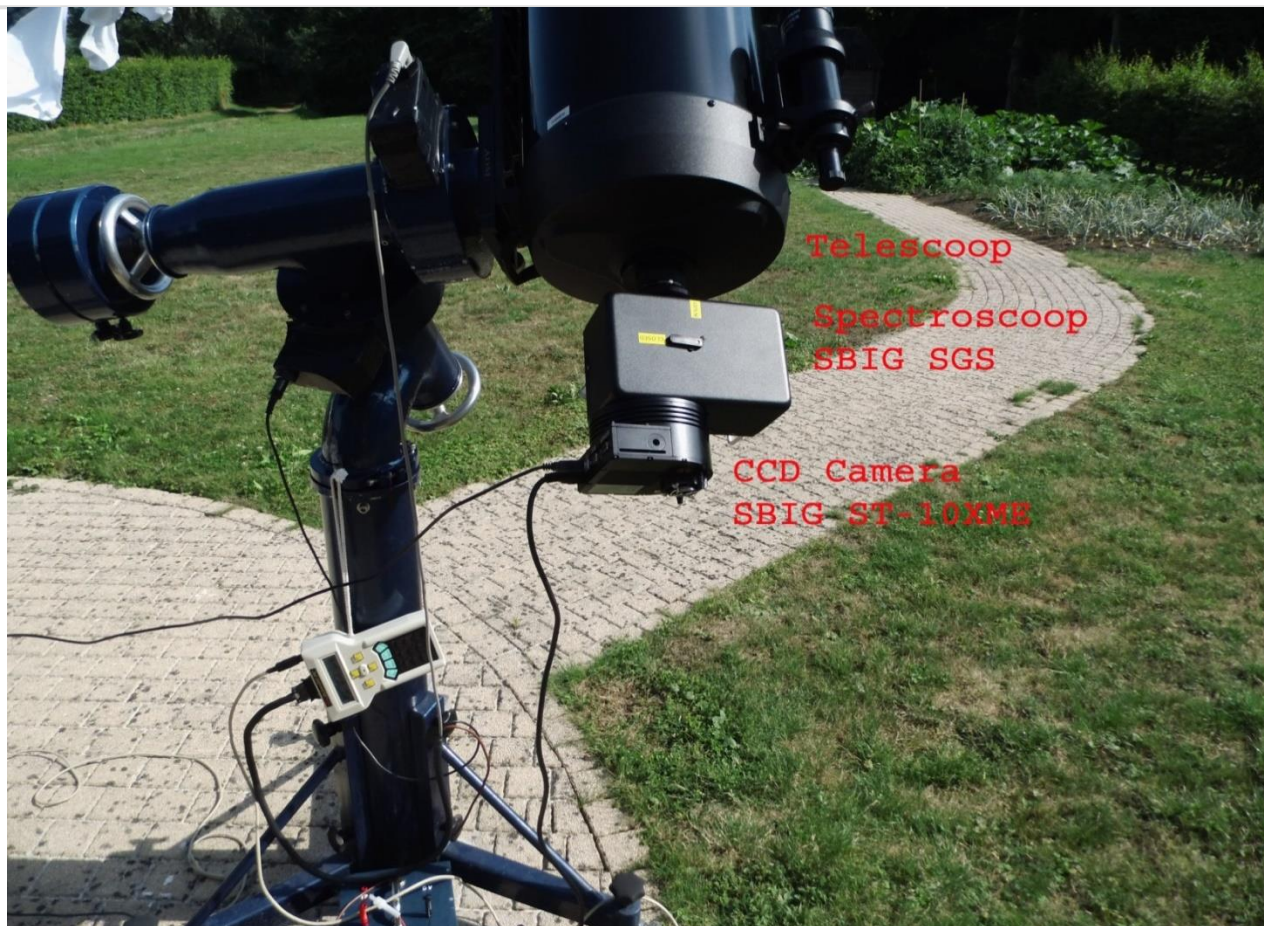
Spectra van Be sterren en de ProAm BeSS database

Beta Lyrae (Sheliak) Spectral Type B7Ve Spectroscopie LISA Telescope C11 + NO Focal Reducer Exposure timer 3 x 20 sec. (-Dark Master) Science Camera: ATIK314 L+ (CCD temp -10°C)
Dispersion 2.57757748 Å / px FWHM: 10.707Å (R = 613 @6563.2Å) 4.1541px SNR: 4.5579 DATE-TIME UT: 2017-10-12T19:49:35 Instrument response corrected Hugo Van den Broeck 12/10/2017



Bet Lyr (Sheliak) met de LISA spectroscopie en een C11

Spectra van Be sterren en de ProAm BeSS database

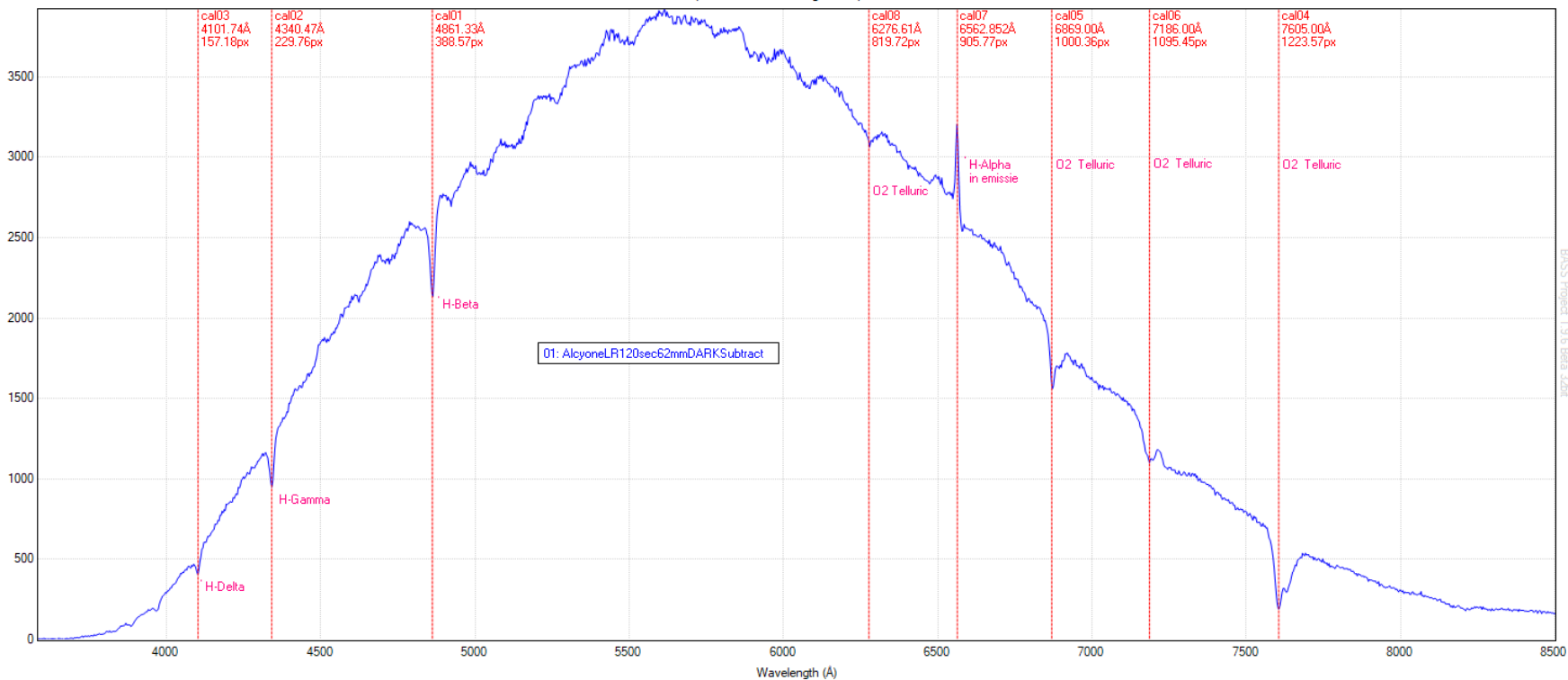


De SBIG SGS (Czerny Turner) spectroscop (van UGent) op een C11. Dual chip camera ST-10XME van SBIG (zwart)

Spectra van Be sterren en de ProAm BeSS database

Alcyone (Eta Tauri) B 7 IIIe SBIG SGS 150 L/mm + Camera ST-10 in CCDOPS Celestron C8 + Focal Reducer f/6.3 6 december 2014 door Hugo Van den Broeck

Dispersie = 3.2853034 Angstrom / pixel



BeSS Project 1.9.5 Beta 2014

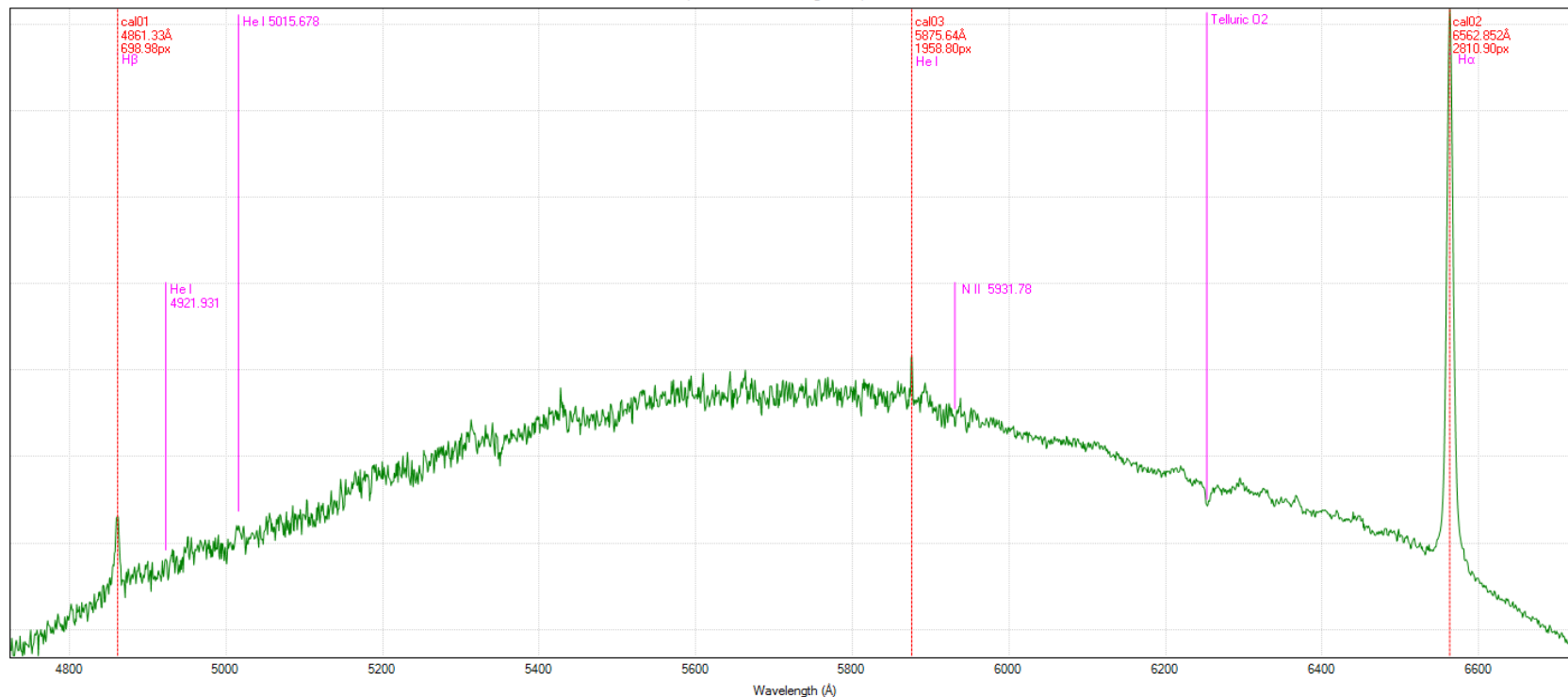


**Alcyone (Eta Tauri) in de Plejaden. SBIG SGS + C8
Geen Instrument Response Correctie!**

Spectra van Be sterren en de ProAm BeSS database

Gamma Cassiopeiae (Tsih) type = B 0.5 IV e SBIG SGS 600 L/mm + Camera ST-10 in CCDOPS Celestron C8 + Focal Reducer f/6.3 19 augustus 2014

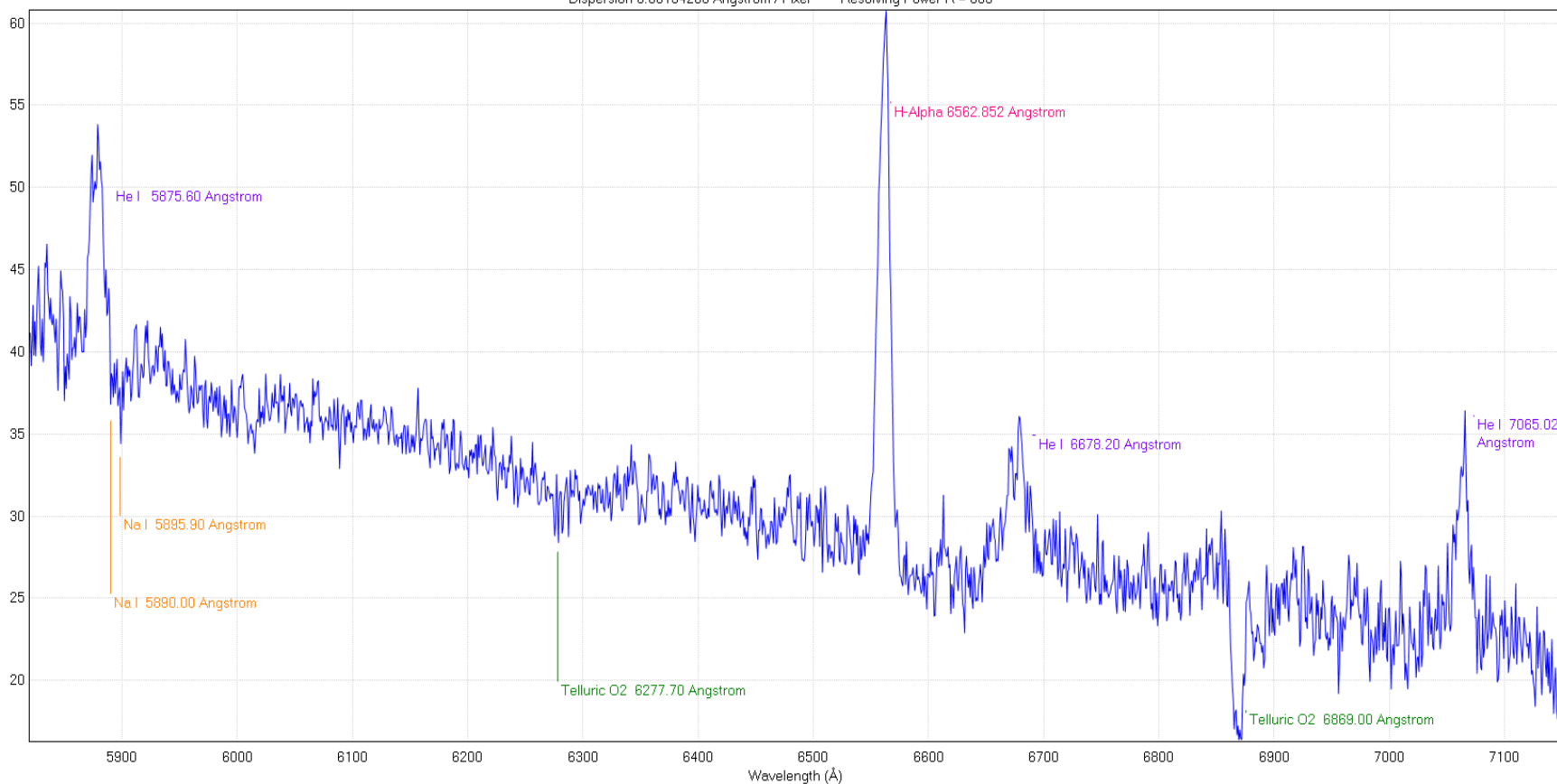
Dispersie = 0.80563516 Angstrom / pixel



***Terug Gam Cas in een beetje hogere resolutie.
SBIG SGS + C8 Geen Instrument Response Correctie!***

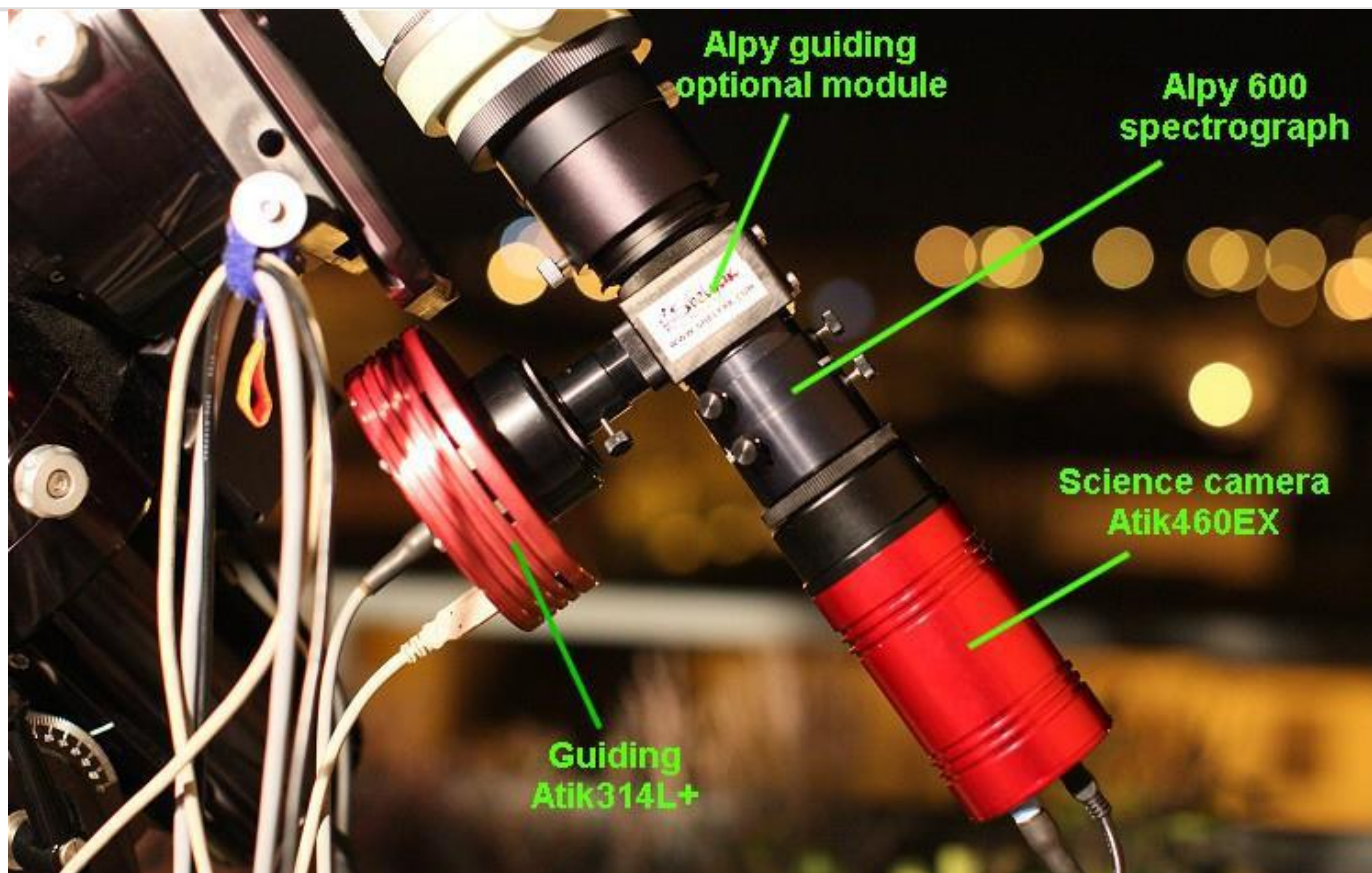
Spectra van Be sterren en de ProAm BeSS database

Sheliak (Beta Lyrae) Type B 8 II pe SBIG SGS 600L/mm + Camera ST-10 i n CCDOPS 60 Sec. Celestron C11 + Focal Reducer f/6.3 26/10/2015 Hugo Van den Broeck
Dispersion 0.80134266 Angstrom / Pixel Resolving Power R = 639



BASS Project 1.8.0 Beta 32br

Spectra van Be sterren en de ProAm BeSS database



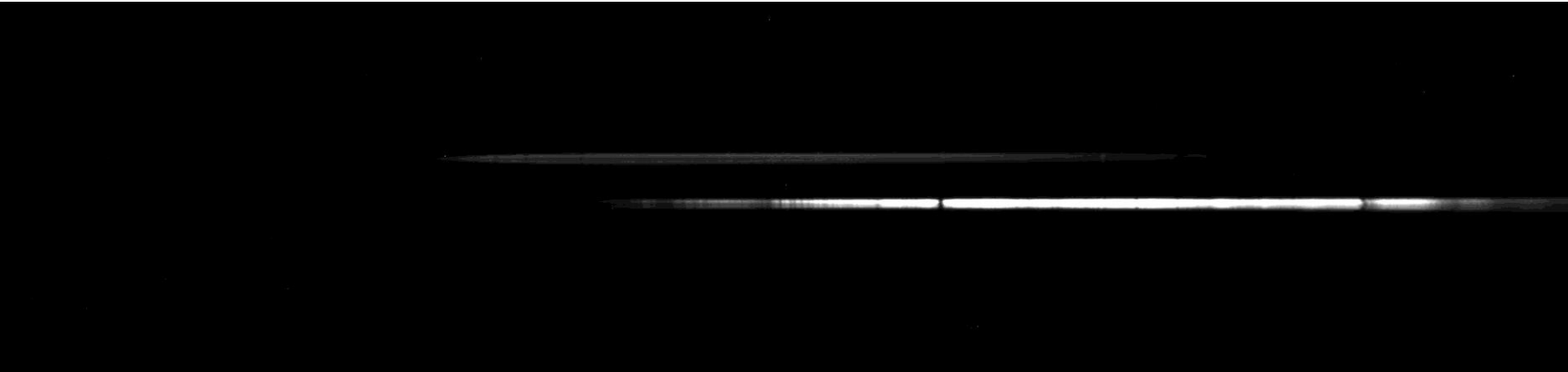
Bron:
Christian Buil

Shelyak Alpy600 spectroscop (van UGent) op een 40 cm Cassegrain.

"Science" Camera ATIK 460EX Volgcamera ATIK 314L+

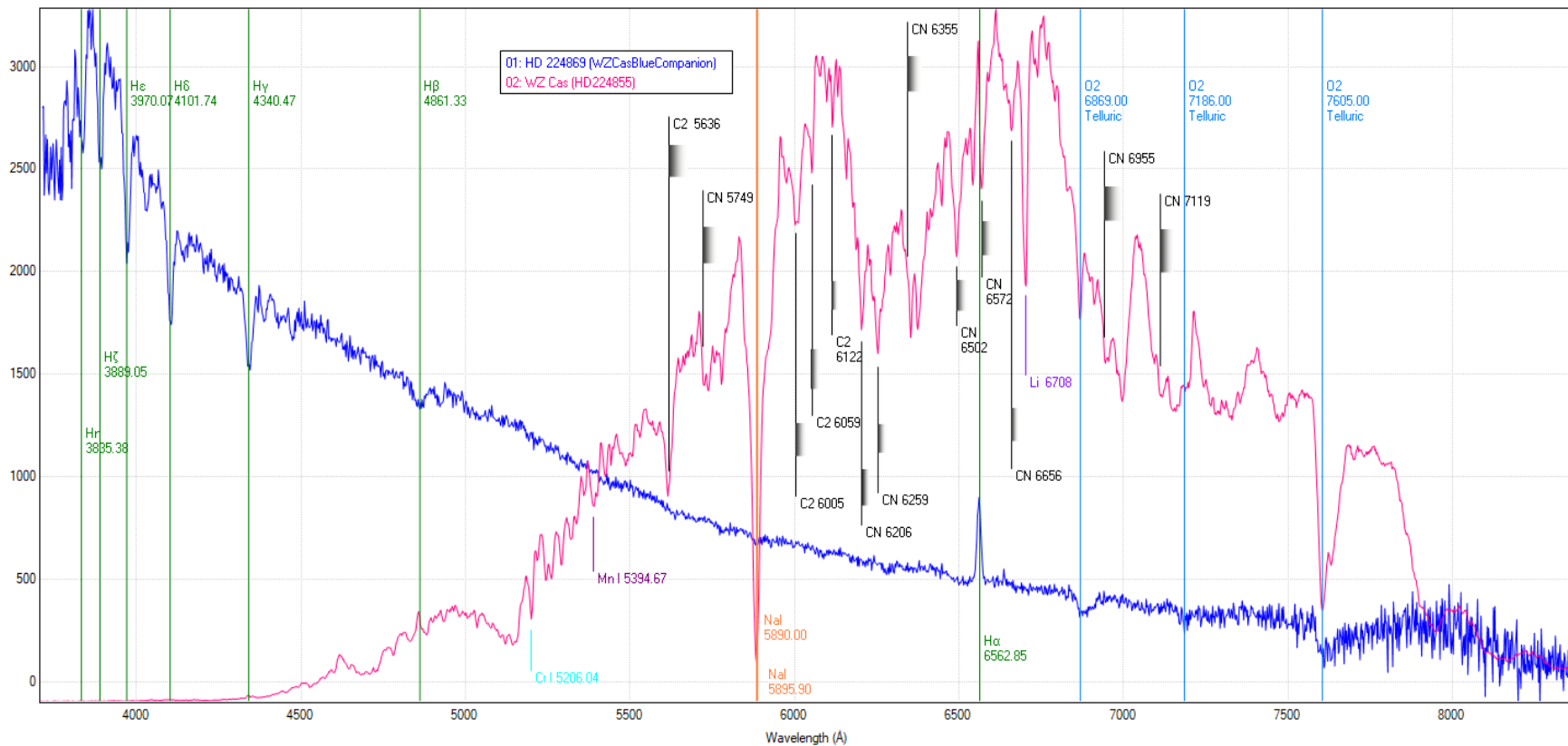


Spectra van Be sterren en de ProAm BeSS database

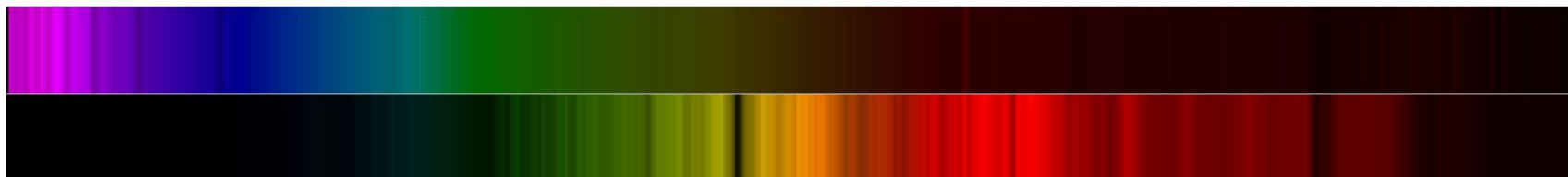
- 
- ***Opname van het spectrum van de koolstof ster WZ Cas.***
 - ***Op hetzelfde ogenblik kon een tweede ster op de sit van de Alpy600 spectroscopie geplaatst worden: Deze ster, HD224869 (Mag 8.33) is een emissie ster. HD224869 is (nog) niet in de BeSS databank.***
 - ***Een nieuwe ontdekking? Neen. HD224869 is reeds gekend in Simbad als een emissiestar. Het is nochtans geen klassieke Be ster.***

Spectra van Be sterren en de ProAm BeSS database

WZ Cas (HD224855) Spectral Type: C II (Carbon star) Magnitude: 6.5 to 8.5 (Variable) Period: 186 days Spectroscopie Alpy 600 Camera ATIK460EX Telescope Cassegrain 0.4 meter
Dispersion = 2.35864009 Å / px Exposure Time 120 sec CCD Temperature -10.44°C Star Altitude 54° 40' Date/Time UT: 2017-01-19T20:01:28.269 Data Reduction: Hugo Van den Broeck Observer: Guy Wauters



BASS Project 1.9 Beta 32d4





Spectra van Be sterren en de ProAm BeSS database

***Alle waarnemingen werden verzameld in een kleine databank. Beschikbaar in .PDF en 1D formaat.
(Te bekijken met meetgereedschap of te downloaden)***

<http://www.observatory.ugent.be/observatory/spectra.html>

Spectra van Be sterren:

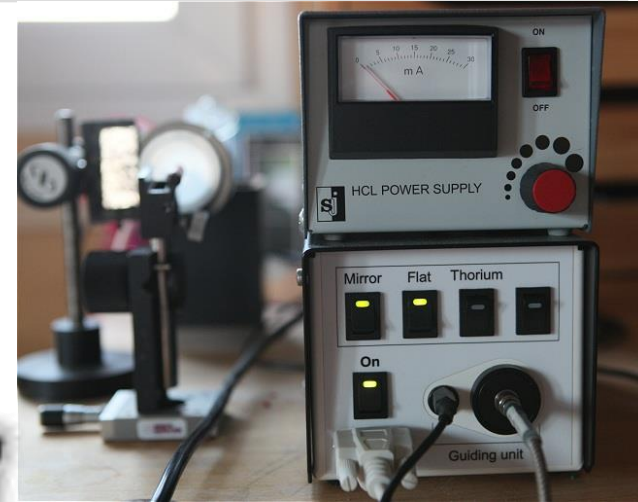
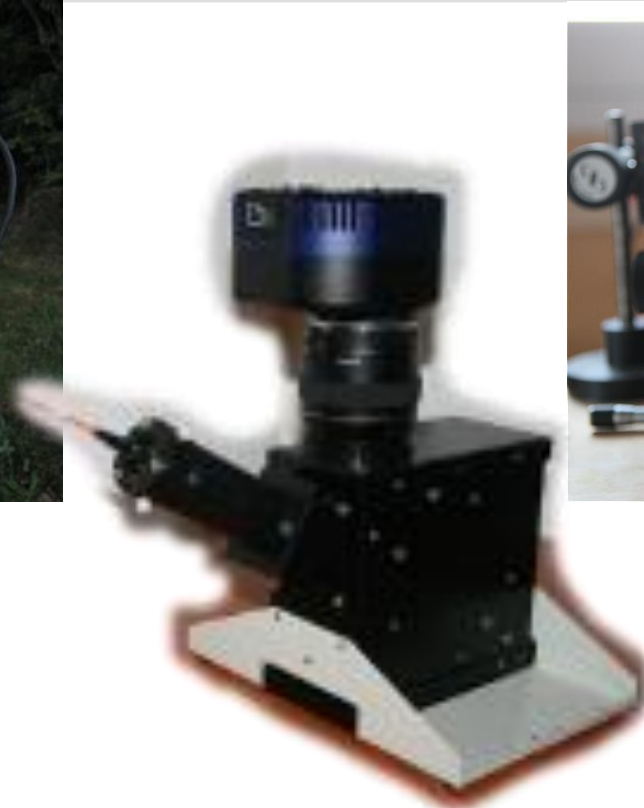
- ***Gam Cas (Alpy, SGS, SA100)***
- ***HD224869 (Alpy)***
- ***48 Per (Alpy)***
- ***Eta Tau (Alpy)***
- ***17 Tau (Alpy)***
- ***23 Tau (Alpy)***
- ***Omi And (Alpy)***
- ***28 Tau (Alpy)***
- ***10 Cas (Alpy)***



Spectra van Be sterren en de ProAm BeSS database

***Hoge resolutie spectra van Be sterren:
Opnamen in samenwerking met Guy Wauters met
de Shelyak eShel spectrocoop.***

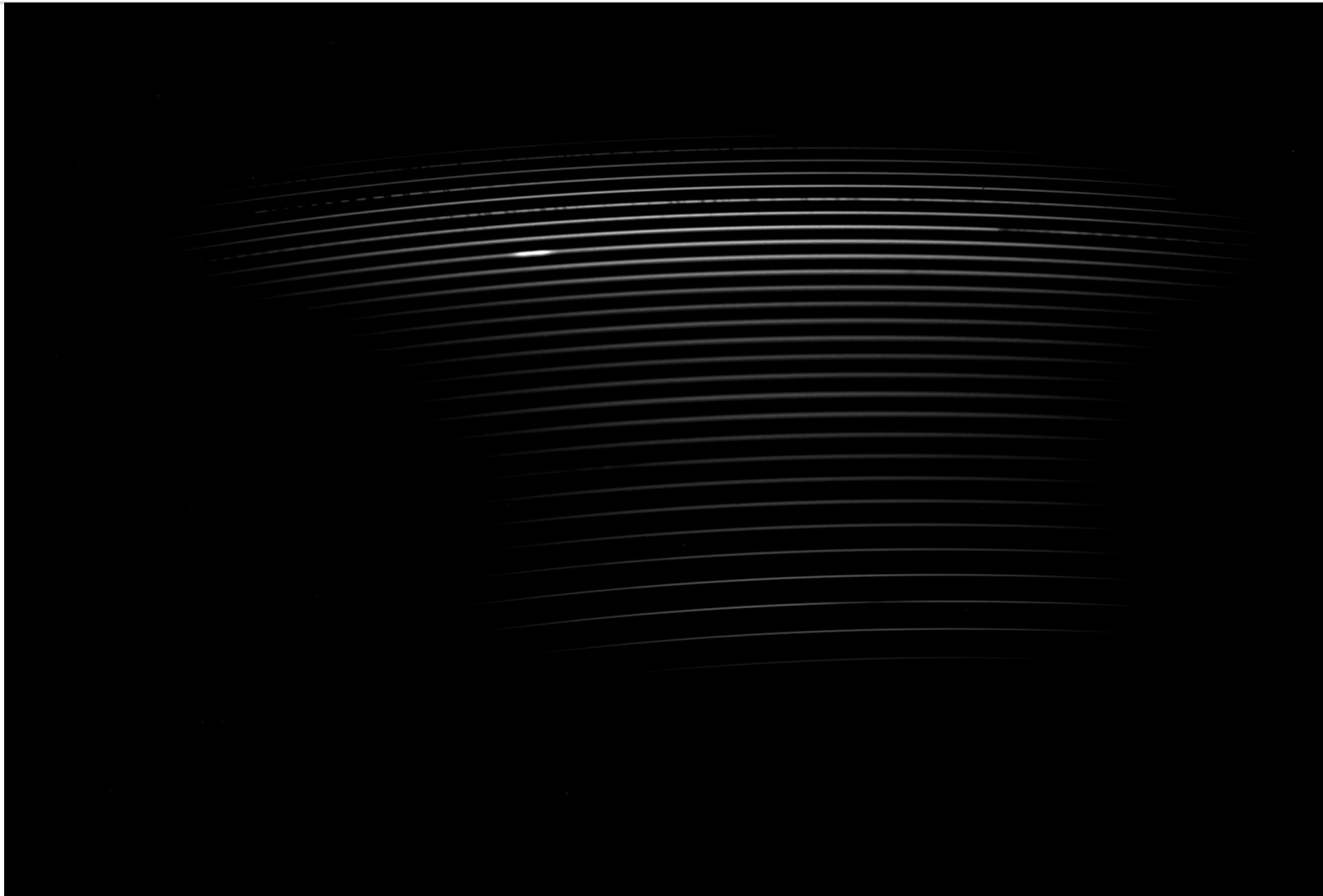
Spectra van Be sterren en de ProAm BeSS database



De eShel van Shelyak (Ugent) is een echelle spectroscop met een imaging fiber kabel van 50 μm (vervangt de slit). De cross-disperser is een prisma. Complete eenheid met Thorium Argon kalibratie, lichte guide head



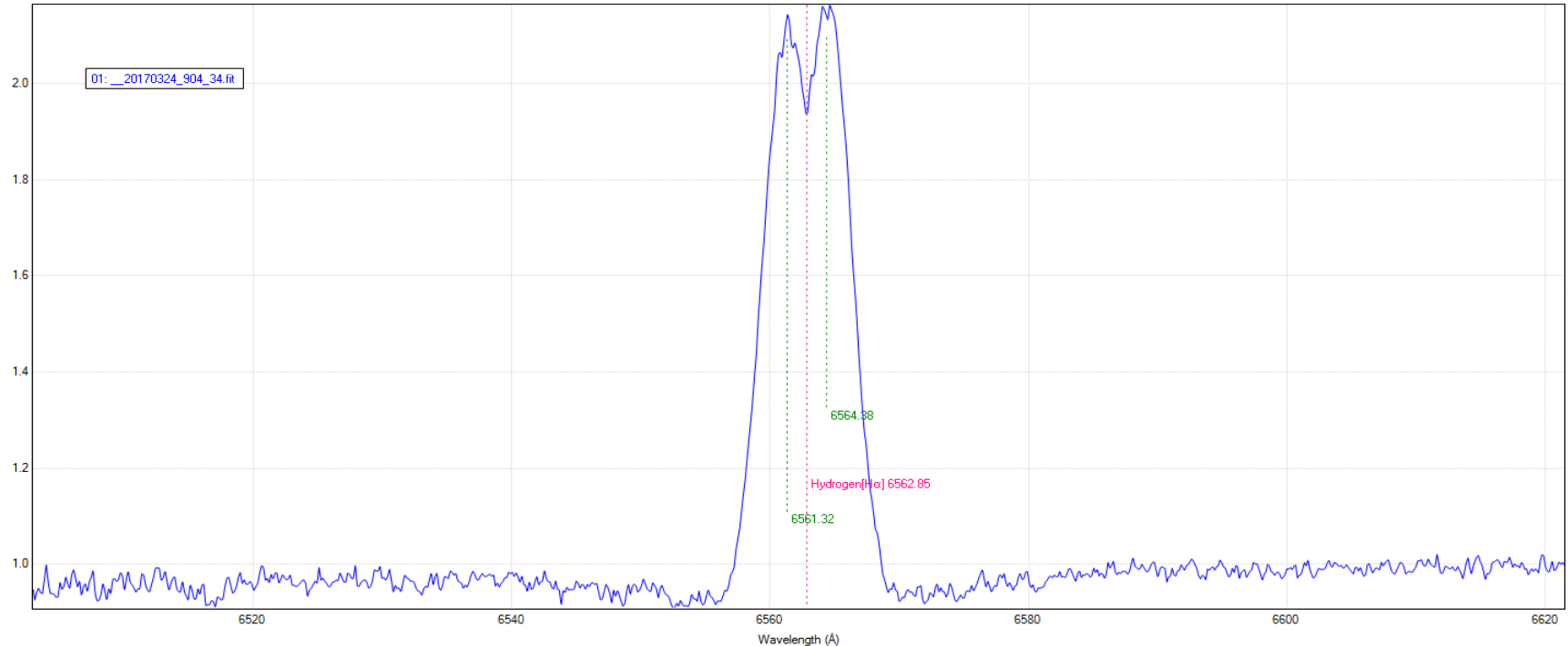
Spectra van Be sterren en de ProAm BeSS database



Spectra van Be sterren en de ProAm BeSS database

Kappa Draconis eShel 34^oorder Telescope 0.4 meter Cassegrain f/4 Spectroscopie Shelyak eShel Imaging Camera ATIK-460EX Guiding Camera ATIK 314L+ March 24 2017 Location UGent S9 Ghent Belgium

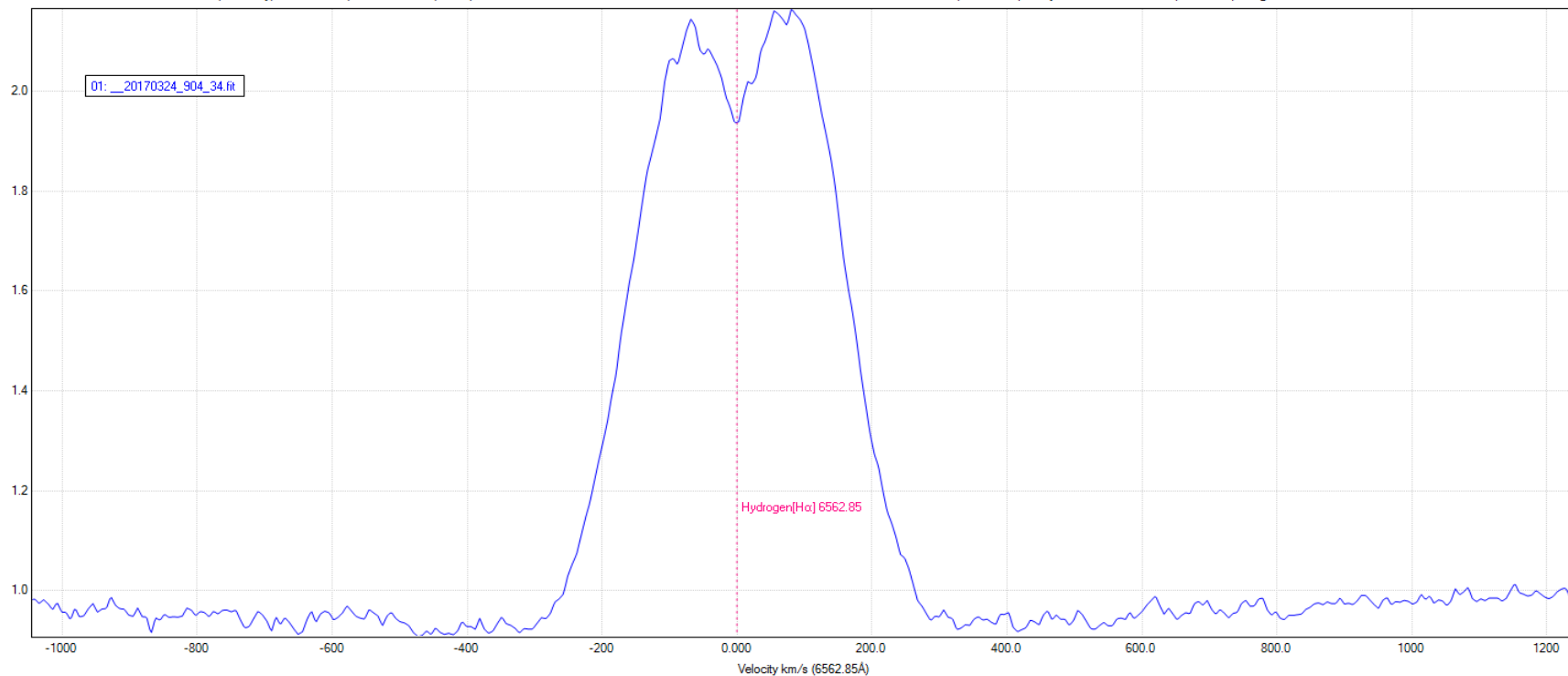
Dispersion 0.05 Å / px Exposure time 3 x 300 sec 2017-03-24T21:41:32 Observation and Reduction (ISIS V5.5.2): Guy Wauters Reduction (Bass 1.9.7): Hugo Van den Broeck



***H-Alpha emissie lijn van Kappa Draconis (HD109387).
(eShel spectrum 34ste orde)***

Spectra van Be sterren en de ProAm BeSS database

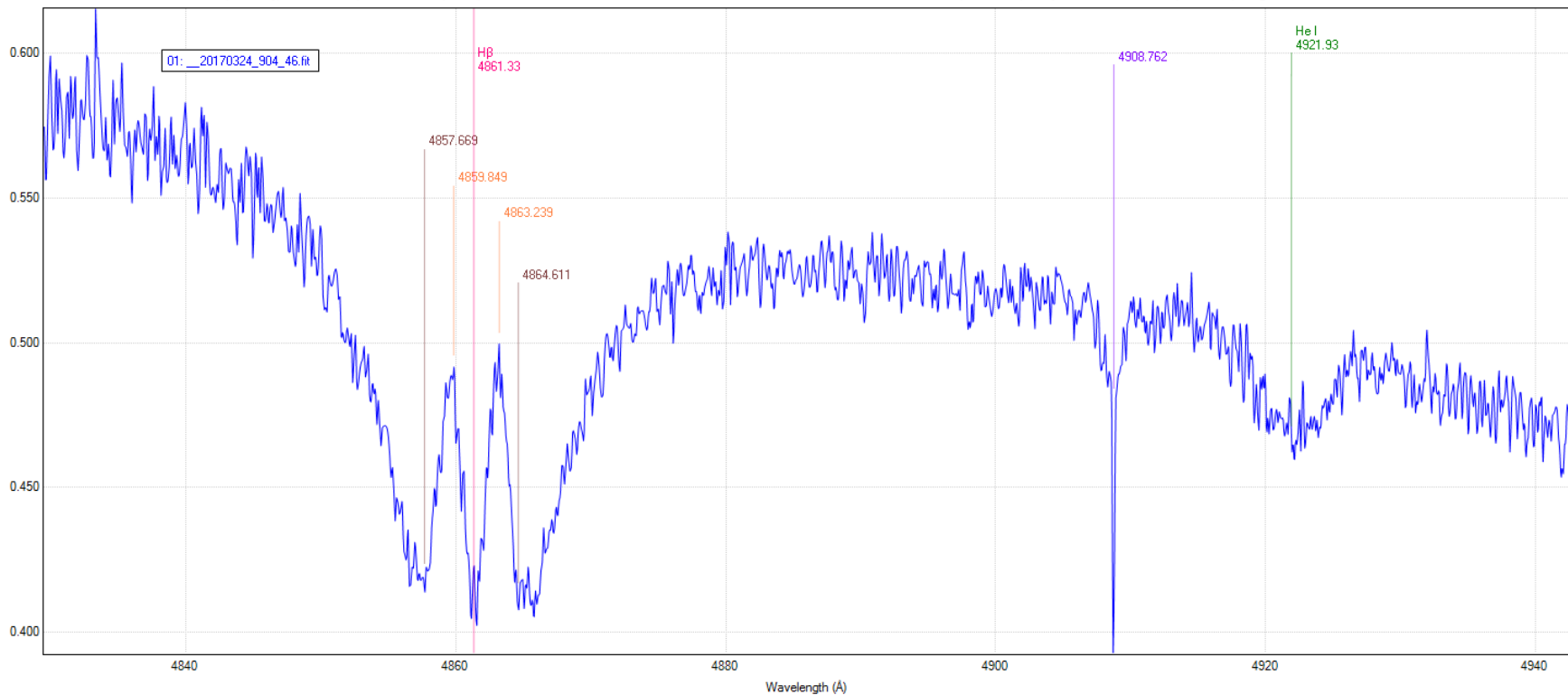
Kappa Draconis eShel 34^oorder Telescope 0.4 meter Cassegrain f/4 Spectroscopie Shelyak eShel Imaging Camera ATIK-460EX Guiding Camera ATIK 314L+ March 24 2017 Location UGent S9 Ghent Belgium
Spectral Type B6IIIe Dispersion 0.05 Å / px Exposure time 3 x 300 sec Date/Time UT: 2017-03-24T21:41:32 Observation and Reduction (ISIS V5.5.2): Guy Wauters Reduction (Bass 1.9.7): Hugo Van den Broeck



***H-Alpha emissie lijn van Kappa Draconis (HD109387).
(eShel spectrum 34ste orde) Radial Velocity***

Spectra van Be sterren en de ProAm BeSS database

Kappa Draconis eShel 46^oorder Telescope 0.4 meter Cassegrain f/4 Spectroscopie Shelyak eShel Imaging Camera ATIK-460EX Guiding Camera ATIK 314L+ March 24 2017 Location UGent S9 Ghent Belgium
Spectral Type B6IIfc Dispersion 0.05 Å / px Exposure time 3 x 300 sec Date/Time UT: 2017-03-24T21:41:32 Observation and Reduction (ISIS V5.5.2): Guy Wauters Reduction (Bass 1.9.7): Hugo Van den Broeck



BASS Project 1.9.7.2014

***H-Beta lijn van Kappa Draconis (HD109387).
(eShel spectrum 46ste orde)***



Spectra van Be sterren en de ProAm BeSS database

De Pro/Am BeSS database.

Spectra van Be sterren en de ProAm BeSS database



***10de verjaardag van de BeSS databank met workshop in
het Observatoire de Paris , Meudon***

Spectra van Be sterren en de ProAm BeSS database

LESIA - Observatoire de Paris

leuke ontdekking - Astrofor

lesia.obspm.fr

bess database

Actualités | Présentation du LESIA | Recherche astrophysique | Recherche instrumentale | Enseignement et formation

LESIA

Laboratoire d'études spatiales et d'instrumentation en astrophysique

De la conception des instruments d'astronomie à l'exploitation des résultats, les *thématiques scientifiques* développées au LESIA couvrent de nombreux domaines de l'astrophysique. Les activités sont organisées autour des projets (sol, espace ou modélisation) dont de nombreuses *réalisations instrumentales* font la réputation du laboratoire.

Directeur : Pierre Drossart

À la une

- Démonstration des capacités uniques du futur instrument MOSAIC de l'ELT**
> [En savoir plus](#)
- Première détection d'un anneau autour d'une planète naine
> [En savoir plus](#)
- La médaille Arago de l'Académie des sciences décernée à Nicolas Biver
> [En savoir plus](#)
- La médaille David Bates 2018 de l'EGU attribuée à Bruno Bézard
> [En savoir plus](#)
- En mémoire d'Olivier Durand
> [En savoir plus](#)

Événement

- Conférence "The legacy of Jean-Louis Steinberg" du 6 au 10 novembre 2017 à Meudon
> [En savoir plus](#)

Le LESIA en images

Le banc optique GRAVITY

SIGAL | Observatoire LESIA | CNRS | UPMC

Le banc optique GRAVITY

Spectra van Be sterren en de ProAm BeSS database



Spectra van Be sterren en de ProAm BeSS database



Spectra van Be sterren en de ProAm BeSS database



Spectra van Be sterren en de ProAm BeSS database

BeSS Database

basebe.obspm.fr/basebe/

basebe database

BeSS Database

Be Star Spectra Database

Database of Be Star Spectra

Observatoire de Paris LESIA

BeSS database v2.0

The **BeSS** database contains the complete catalog of classical Be stars and Herbig Ae/Be stars, and assembles spectra obtained by professional and amateur astronomers of those stars. This database is maintained at the **LESIA** laboratory of the **Observatoire de Paris-Meudon**

Everyone can [query](#) the BeSS database to download the Be star spectra of one's choice or to [check the catalog](#) of classical Be stars and Herbig Ae/Be stars. However, if these data are used for scientific publications, please mention the sentence:
"This work has made use of the **BeSS** database, operated at LESIA, Observatoire de Meudon, France: <http://basebe.obspm.fr>"
In addition, certain facilities at which spectra were obtained request the inclusion of an acknowledgement sentence. Please check the "[Credits](#)" page for more detail. Moreover, when you use many spectra obtained by the same person or if one spectrum provided important information for your work, we strongly encourage you to welcome him/her as a co-author of your publication. It is sufficient to thank in your publication observers which provided less spectra. Proper acknowledgments of the work of observers insures that observers will keep their motivation and continue to feed BeSS with their data.

Those who wish to do so can also [register as an observer](#) to upload to the **BeSS** database classical Be star or Herbig Ae/Be star spectra they collected. In this case, the uploaded spectra must comply with the fits format and their header must contain at least some specific keywords ([See Format](#)).

We thank you in advance for your contribution!

The **BeSS** administrators (E. Alecian, B. de Batz, C. Buil, F. Cochard, V. Desnoux, T. Garrel, C. Neiner)

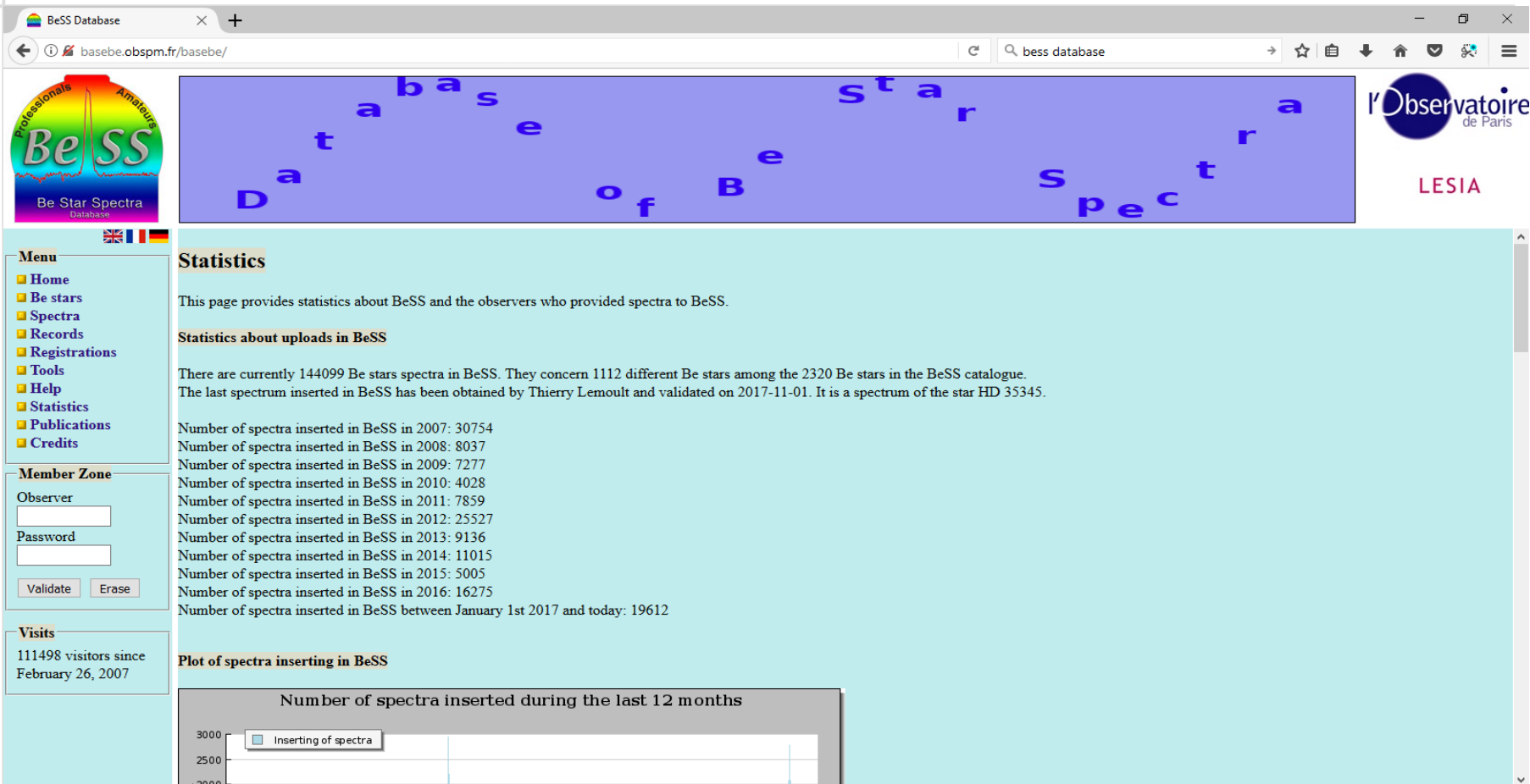
Observatoire de Paris LESIA

Laboratoire d'Études Spatiales et d'Instrumentation en Astrophysique

[HTTP://ASTROSURF.COM/ARAS/](http://astrosurf.com/aras/)
ASTRONOMICAL RING
for ACCESS to SPECTROSCOPY

<http://basebe.obspm.fr/basebe/>

Spectra van Be sterren en de ProAm BeSS database



The screenshot shows the BeSS Database website interface. At the top, there is a navigation bar with the text "basebe.obspm.fr/basebe/" and a search bar containing "bess database". The main header features the "BeSS Database of Be Star Spectra" logo and the "Observatoire de Paris LESIA" branding. A left sidebar contains a "Menu" with links to Home, Be stars, Spectra, Records, Registrations, Tools, Help, Statistics, Publications, and Credits. Below the menu is a "Member Zone" with fields for "Observer" and "Password", and buttons for "Validate" and "Erase". A "Visits" section reports "111498 visitors since February 26, 2007". The main content area is titled "Statistics" and includes the following text: "This page provides statistics about BeSS and the observers who provided spectra to BeSS." and "Statistics about uploads in BeSS". It states: "There are currently 144099 Be stars spectra in BeSS. They concern 1112 different Be stars among the 2320 Be stars in the BeSS catalogue. The last spectrum inserted in BeSS has been obtained by Thierry Lemoult and validated on 2017-11-01. It is a spectrum of the star HD 35345." A list of statistics follows: "Number of spectra inserted in BeSS in 2007: 30754", "Number of spectra inserted in BeSS in 2008: 8037", "Number of spectra inserted in BeSS in 2009: 7277", "Number of spectra inserted in BeSS in 2010: 4028", "Number of spectra inserted in BeSS in 2011: 7859", "Number of spectra inserted in BeSS in 2012: 25527", "Number of spectra inserted in BeSS in 2013: 9136", "Number of spectra inserted in BeSS in 2014: 11015", "Number of spectra inserted in BeSS in 2015: 5005", "Number of spectra inserted in BeSS in 2016: 16275", and "Number of spectra inserted in BeSS between January 1st 2017 and today: 19612". At the bottom, a section titled "Plot of spectra inserting in BeSS" shows a bar chart titled "Number of spectra inserted during the last 12 months" with a legend for "Inserting of spectra".

**144099 Be spectra in BeSS. 1112 verschillende sterren.
(Van de 2320 Be sterren in de BeSS catalogue)**

Spectra van Be sterren en de ProAm BeSS database

BeSS Database

basebe.obspm.fr/basebe/

basebe database

BeSS Database of Be Star Spectra

Observatoire de Paris
LESIA

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Member Zone

Observer
Password
Validate Erase

Visits

111435 visitors since February 26, 2007

This page allows you to query the database for Be stars spectra.
Warning: when a parameter (e.g. vsini) is used in a query, only spectra for which this parameter is defined in BeSS are returned.

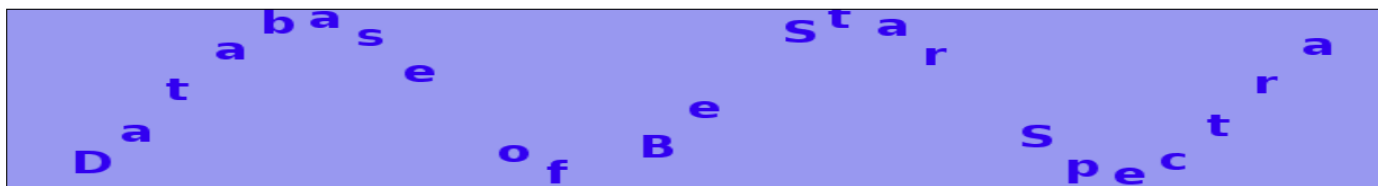
Spectra query

There are currently 143866 Be star spectra in BeSS

Be star	<input type="text"/>	<input type="checkbox"/>
RA (α) J2000	<input type="text"/> h <input type="text"/> m <input type="text"/> s	<input type="checkbox"/> this star only <input type="checkbox"/> around this star
DEC (δ) J2000	<input type="text"/> d <input type="text"/> ' <input type="text"/> "	
V magnitude between	<input type="text"/> and <input type="text"/>	
Spectral type between	<input type="text"/> and <input type="text"/>	
Vsini between	<input type="text"/> and <input type="text"/> km/s	
Observations date between	<input type="text"/> and <input type="text"/> (AAAA-MM-JJ)	
Resolution between	<input type="text"/> and <input type="text"/>	
Stellar type	<input type="text" value="Classical or Herbig Be"/>	
Source	<input type="text" value="PROS & AMATEURS"/>	
Observer	<input type="text" value="Arnold de Bruin"/>	
Instrument	<input type="text" value="All"/>	
Wavelength domain between $\lambda_1 =$	<input type="text"/> and $\lambda_2 =$ <input type="text"/> Å	
Site	<input type="text" value="All"/>	

Submit Erase

Spectra van Be sterren en de ProAm BeSS database



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Visits

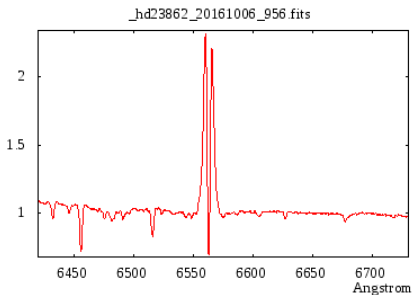
111435 visitors since
February 26, 2007

You can click on the > or < buttons next to a column label to sort the results according to this column. The professionals spectra are shown in blue whereas the amateurs spectra are shown in green.

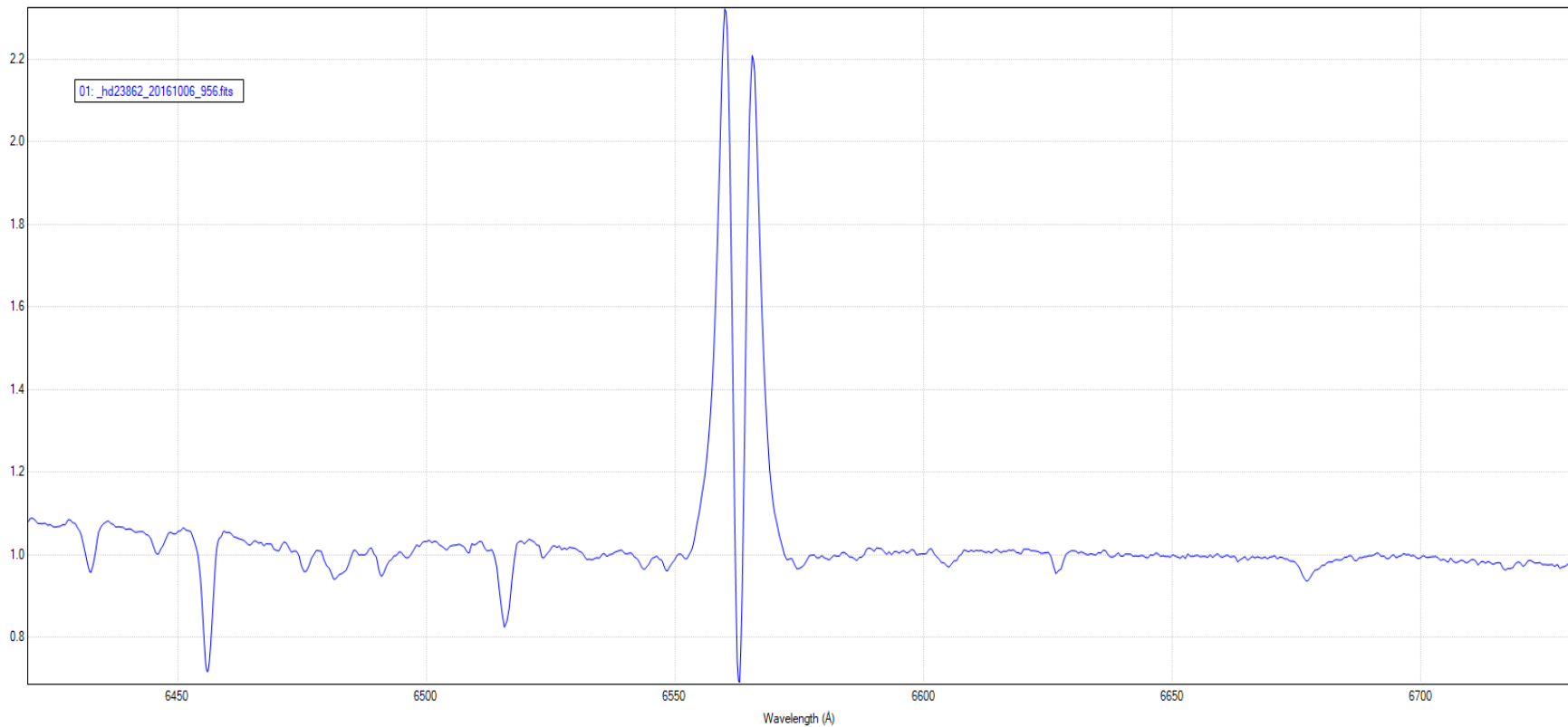
There are 227 results corresponding to your BeSS query. They are displayed by pages of 100 spectra (or groups of echelle orders) below.

#	Be star	Category	RA (h m s)	DEC (deg m s)	Instrument	Site	Observers	Date	mid-HJD (d)	Plot	Download 1 by 1 zip	Download many zip
1	2 Cet	Classical	00 03 44.39	-17 20 09.57	C11 L200 1200 34mu Atik314L+	Lanouejiols	de Bruin	2016-10-02	2457664.429	plot	spec_126391	<input type="checkbox"/>
2	2 Cet	Classical	00 03 44.39	-17 20 09.57	EdgeHD8 L200 1200 24mu Atik314L+	Lanouejiols	de Bruin	2017-09-19	2458016.444	plot	spec_145052	<input type="checkbox"/>
3	omi Cas	Classical	00 44 43.52	48 17 03.71	C11 L200 1200 34mu Atik314L+	Lanouejiols	de Bruin	2016-10-04	2457666.331	plot	spec_126682	<input type="checkbox"/>
4	V442 And	Classical	01 03 53.36	47 38 32.26	C11 L200 1200 34mu Atik314L+	Lanouejiols	de Bruin	2016-10-03	2457665.407	plot	spec_126465	<input type="checkbox"/>
5	V442 And	Classical	01 03 53.36	47 38 32.26	EdgeHD8 L200 1200 24mu Atik314L+	Lanouejiols	de Bruin	2017-09-20	2458017.444	plot	spec_145054	<input type="checkbox"/>
6	phi Per	Classical	01 43 39.64	50 41 19.43	C11 L200 1200 34mu Atik314L+	Lanouejiols	de Bruin	2016-10-04	2457666.371	plot	spec_126675	<input type="checkbox"/>
7	HD 12856	Classical	02 07 53.42	57 06 20.47	C11 L200 1200 34mu Atik314L+	Lanouejiols	de Bruin	2016-10-04	2457665.560	plot	spec_126462	<input type="checkbox"/>
8	HD 13867	Classical	02 16 36.00	49 49 11.54	C11 L200 1200 34mu Atik314L+	Lanouejiols	de Bruin	2016-10-03	2457665.491	plot	spec_126463	<input type="checkbox"/>
9	HD 20017	Classical	03 14 55.31	48 41 44.87	C11 L200 1200 34mu Atik314L+	Lanouejiols	de Bruin	2016-10-04	2457666.417	plot	spec_126676	<input type="checkbox"/>
10	HD 20017	Classical	03 14 55.31	48 41 44.87	EdgeHD8 L200 1200 24mu Atik314L+	Lanouejiols	de Bruin	2017-09-21	2458017.589	plot	spec_145049	<input type="checkbox"/>
11	13 Tau	Classical	03 42 18.95	19 42 00.92	C11 L200 1200 34mu Atik314L+	Lanouejiols	de Bruin	2016-10-07	2457668.532	plot	spec_126679	<input type="checkbox"/>
12	PLEIONE	Classical	03 49 11.22	24 08 12.16	C11 L200 1200 34mu Atik314L+	Lanouejiols	de Bruin	2016-10-06	2457668.481	plot	spec_126680	<input type="checkbox"/>
13	RW Tau	Classical	04 03 54.32	28 07 33.50	C11 L200 1200 34mu Atik314L+	Lanouejiols	de Bruin	2016-10-02	2457664.500	plot	spec_126392	<input type="checkbox"/>
14	HD 26398	Classical	04 11 03.40	16 38 49.13	C11 L200 1200 34mu Atik314L+	Lanouejiols	de Bruin	2016-10-07	2457668.591	plot	spec_126681	<input type="checkbox"/>
15	HD 26398	Classical	04 11 03.40	16 38 49.13	EdgeHD8 L200 1200 24mu Atik314L+	Lanouejiols	de Bruin	2017-09-20	2458016.557	plot	spec_145053	<input type="checkbox"/>

Spectra van Be sterren en de ProAm BeSS database

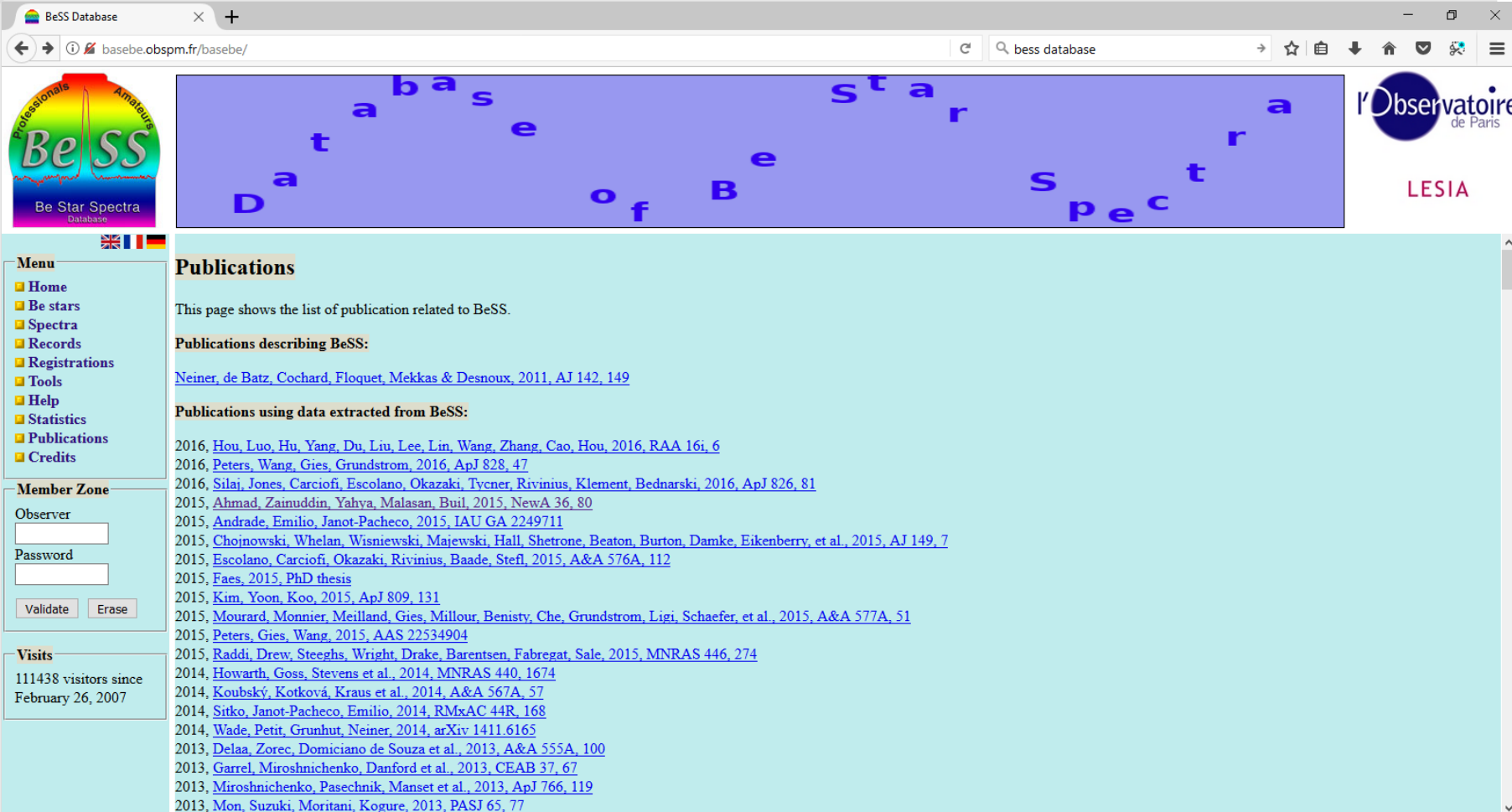


Spectra van Be sterren en de ProAm BeSS database



BASS Project 1.9.5 Beta 32d

Spectra van Be sterren en de ProAm BeSS database



The screenshot shows the BeSS Database website. The browser address bar displays "basebe.obspm.fr/basebe/". The page features a navigation menu on the left, a "Member Zone" with input fields for "Observer" and "Password", and a "Visits" section reporting 111438 visitors since February 26, 2007. The main content area is titled "Publications" and includes a description: "This page shows the list of publication related to BeSS." It lists "Publications describing BeSS:" and "Publications using data extracted from BeSS:" with a list of 20 references.

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Member Zone

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Visits

111438 visitors since
February 26, 2007

Publications

This page shows the list of publication related to BeSS.

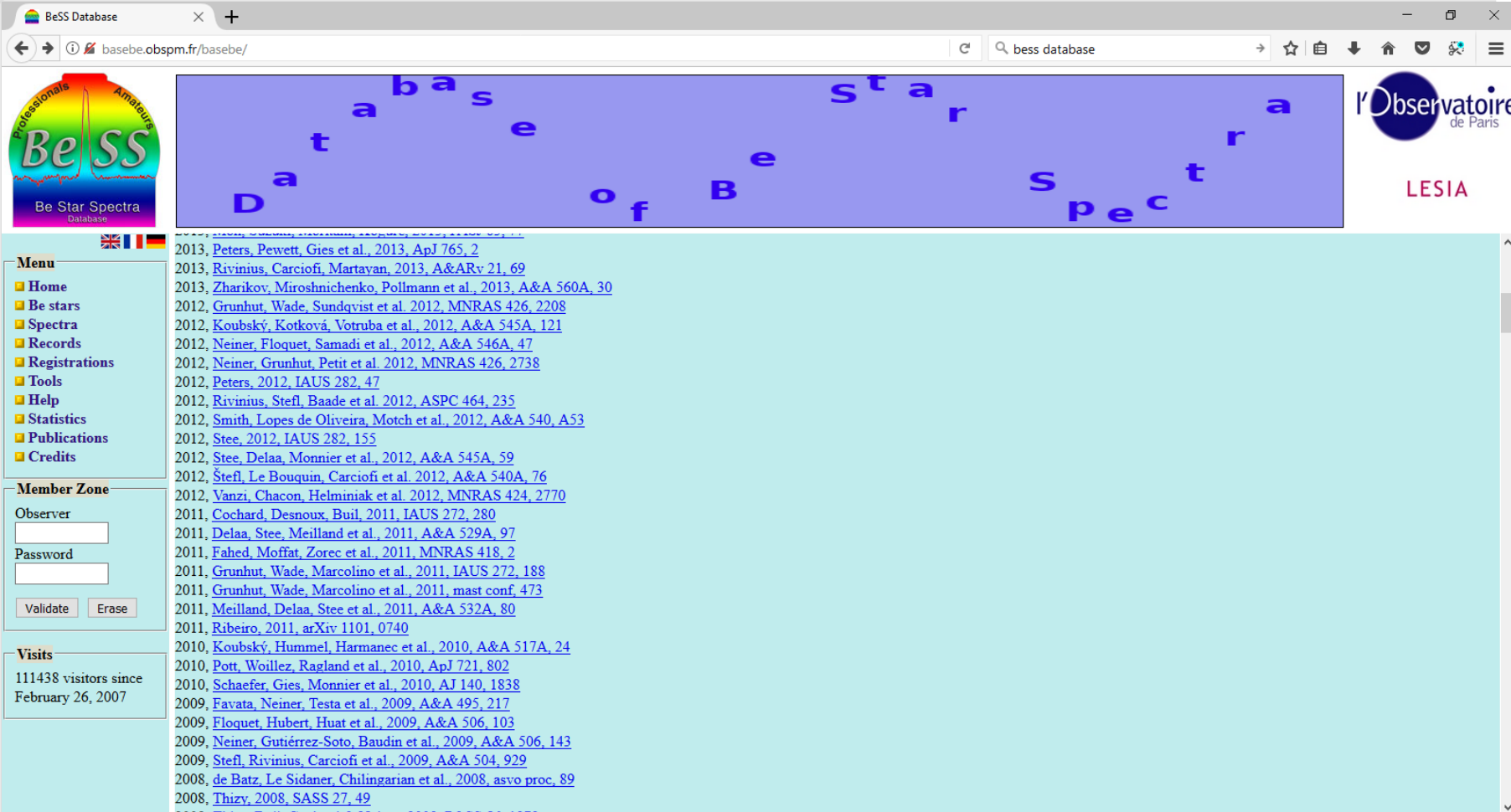
Publications describing BeSS:

[Neiner, de Batz, Cochard, Floquet, Mekkas & Desnoux, 2011, AJ 142, 149](#)

Publications using data extracted from BeSS:

2016, [Hou, Luo, Hu, Yang, Du, Liu, Lee, Lin, Wang, Zhang, Cao, Hou, 2016, RAA 16i, 6](#)
2016, [Peters, Wang, Gies, Grundstrom, 2016, ApJ 828, 47](#)
2016, [Silaj, Jones, Carciofi, Escolano, Okazaki, Tycner, Rivinius, Klement, Bednarski, 2016, ApJ 826, 81](#)
2015, [Ahmad, Zainuddin, Yahya, Malasan, Buil, 2015, NewA 36, 80](#)
2015, [Andrade, Emilio, Janot-Pacheco, 2015, IAU GA 2249711](#)
2015, [Choinowski, Whelan, Wisniewski, Majewski, Hall, Shetrone, Beaton, Burton, Damke, Eikenberry, et al., 2015, AJ 149, 7](#)
2015, [Escolano, Carciofi, Okazaki, Rivinius, Baade, Stefl, 2015, A&A 576A, 112](#)
2015, [Faes, 2015, PhD thesis](#)
2015, [Kim, Yoon, Koo, 2015, ApJ 809, 131](#)
2015, [Mourard, Monnier, Meilland, Gies, Millour, Benisty, Che, Grundstrom, Ligi, Schaefer, et al., 2015, A&A 577A, 51](#)
2015, [Peters, Gies, Wang, 2015, AAS 22534904](#)
2015, [Raddi, Drew, Steeghs, Wright, Drake, Barentsen, Fabregat, Sale, 2015, MNRAS 446, 274](#)
2014, [Howarth, Goss, Stevens et al., 2014, MNRAS 440, 1674](#)
2014, [Koubský, Kotková, Kraus et al., 2014, A&A 567A, 57](#)
2014, [Sitko, Janot-Pacheco, Emilio, 2014, RMxAC 44R, 168](#)
2014, [Wade, Petit, Grunhut, Neiner, 2014, arXiv 1411.6165](#)
2013, [Delaa, Zorec, Domiciano de Souza et al., 2013, A&A 555A, 100](#)
2013, [Garrel, Miroshnichenko, Danford et al., 2013, CEAB 37, 67](#)
2013, [Miroshnichenko, Pasechnik, Manset et al., 2013, ApJ 766, 119](#)
2013, [Mon, Suzuki, Moritani, Kogure, 2013, PASJ 65, 77](#)

Spectra van Be sterren en de ProAm BeSS database



BeSS Database

basebe.obspm.fr/basebe/

basebe Database of Be Star Spectra

Observatoire de Paris LESIA

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Visits

111438 visitors since February 26, 2007

2013, [Peters, Pewett, Gies et al., 2013, ApJ 765, 2](#)

2013, [Rivinius, Carciofi, Martayan, 2013, A&ARv 21, 69](#)

2013, [Zharikov, Miroshnichenko, Pollmann et al., 2013, A&A 560A, 30](#)

2012, [Grunhut, Wade, Sundqvist et al. 2012, MNRAS 426, 2208](#)

2012, [Koubský, Kotková, Votruba et al., 2012, A&A 545A, 121](#)

2012, [Neiner, Floquet, Samadi et al., 2012, A&A 546A, 47](#)

2012, [Neiner, Grunhut, Petit et al. 2012, MNRAS 426, 2738](#)

2012, [Peters, 2012, IAU 282, 47](#)

2012, [Rivinius, Stefl, Baade et al. 2012, ASPC 464, 235](#)

2012, [Smith, Lopes de Oliveira, Motch et al., 2012, A&A 540, A53](#)

2012, [Stee, 2012, IAU 282, 155](#)

2012, [Stee, Delaa, Monnier et al., 2012, A&A 545A, 59](#)

2012, [Steffl, Le Bouquin, Carciofi et al. 2012, A&A 540A, 76](#)

2012, [Vanzi, Chacon, Helminiak et al. 2012, MNRAS 424, 2770](#)

2011, [Cochard, Desnoux, Buil, 2011, IAU 272, 280](#)

2011, [Delaa, Stee, Meilland et al., 2011, A&A 529A, 97](#)

2011, [Fahed, Moffat, Zorec et al., 2011, MNRAS 418, 2](#)

2011, [Grunhut, Wade, Marcolino et al., 2011, IAU 272, 188](#)

2011, [Grunhut, Wade, Marcolino et al., 2011, mast conf, 473](#)

2011, [Meilland, Delaa, Stee et al., 2011, A&A 532A, 80](#)

2011, [Ribeiro, 2011, arXiv 1101, 0740](#)

2010, [Koubský, Hummel, Harmanec et al., 2010, A&A 517A, 24](#)

2010, [Pott, Woillez, Ragland et al., 2010, ApJ 721, 802](#)

2010, [Schaefer, Gies, Monnier et al., 2010, AJ 140, 1838](#)

2009, [Favata, Neiner, Testa et al., 2009, A&A 495, 217](#)

2009, [Floquet, Hubert, Huat et al., 2009, A&A 506, 103](#)

2009, [Neiner, Gutiérrez-Soto, Baudin et al., 2009, A&A 506, 143](#)

2009, [Steffl, Rivinius, Carciofi et al., 2009, A&A 504, 929](#)

2008, [de Batz, Le Sidaner, Chilingarian et al., 2008, asvo proc, 89](#)

2008, [Thizy, 2008, SASS 27, 49](#)

2008, [Thizy, 2008, SASS 27, 49](#)

Spectra van Be sterren en de ProAm BeSS database

BeSS report_aout2017.pdf - Adobe Acrobat Reader DC

Bestand Bewerken Beeld Venster Help

Start Gereedschappen BeSS report_aout2... x Aanmelden

1 / 16 171%

BeSS report – August 2017

Data compiled by Valérie Desnoux – H-alpha monitoring
Be projects section by Olivier Thizy [here](#)

Observateur	Nb spec
Thizy	68
GARDE	14
TERRY	10
Sawicki	9
Guarro Fló	7
Graham	6
Fosanelli	4
Lecocq	4
Bohlsen	4
Buil	4
de Bruin	3
Desnoux	3
Bellmann	2

- 81 stars were observed
- 18 Observers contributed this month
- 143 Spectra

Events of the month...

EE: Emission Event, ME: Moderate Events, DE: Decreasing Event

EE	ME	DE
zet Tau	HD 163296	phi And
V442 And	PLEIONE	EW Lac
HD 177648	CX Dra	omi Cas
HD 192445	59 Cyg	V568 Cyg
	phi Per	11 Cam
	ELECTRA	V1362 Cyg

Maandelijks BeSS report door Valérie Desnoux

Spectra van Be sterren en de ProAm BeSS database

Astronomical Ring for Access to ...
www.astrosurf.com/aras/

More infos about ARAS...

Flags: UK, Spain, Brazil, Italy

Last update: January 22, 2015


Een pagina vooruit gaan
Klik met rechts of houd ingedrukt om geschiedenis te tonen

Programs and Surveys

- [ARAS spectral data base](#)
Cataclismic stars, symbiotic stars, novae, comets, ...
- [BeSS data base](#)
The database of Be stars databade (GEPI - Observatoire de Paris-Meudon).
- [ArasBeAm](#)
A front website to BeSS data base for help to select program stars.
- [Be stars actuality](#)
- [Novae spectroscopy survey](#)
- [FS CMa](#)
- [Z CMa](#)
- [CI Cyg](#)
- [HD57682 flares campaign](#)
- [V407 Cyg](#)
- [Nova Vul 2007](#)

Some astrophysics

- [Spectral types](#)
- [HR diagram](#)
- [About Be stars](#)
- [Carbon stars](#)
- [Wolf-Rayet stars](#)




[Observations, technical infos, campaigns, beginners corner, and more...!](#)


[ARAS spectral data base](#)

[Comet C/2014 Q2 Lovejoy archive](#)

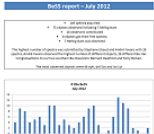
[T Tauri 2014-2015 campaign archive](#)



[Eruptive stars spectroscopy](#)
Cataclysmics, Symbiotics, Novae, Supernovas



[The eruptive stars information letter](#)



Spectra van Be sterren en de ProAm BeSS database

spectro-aras.com • Index page

spectro-aras.com/forum/

ARAS Spectroscopy Forum

Board index Retourner sur le Site

FAQ Register Login

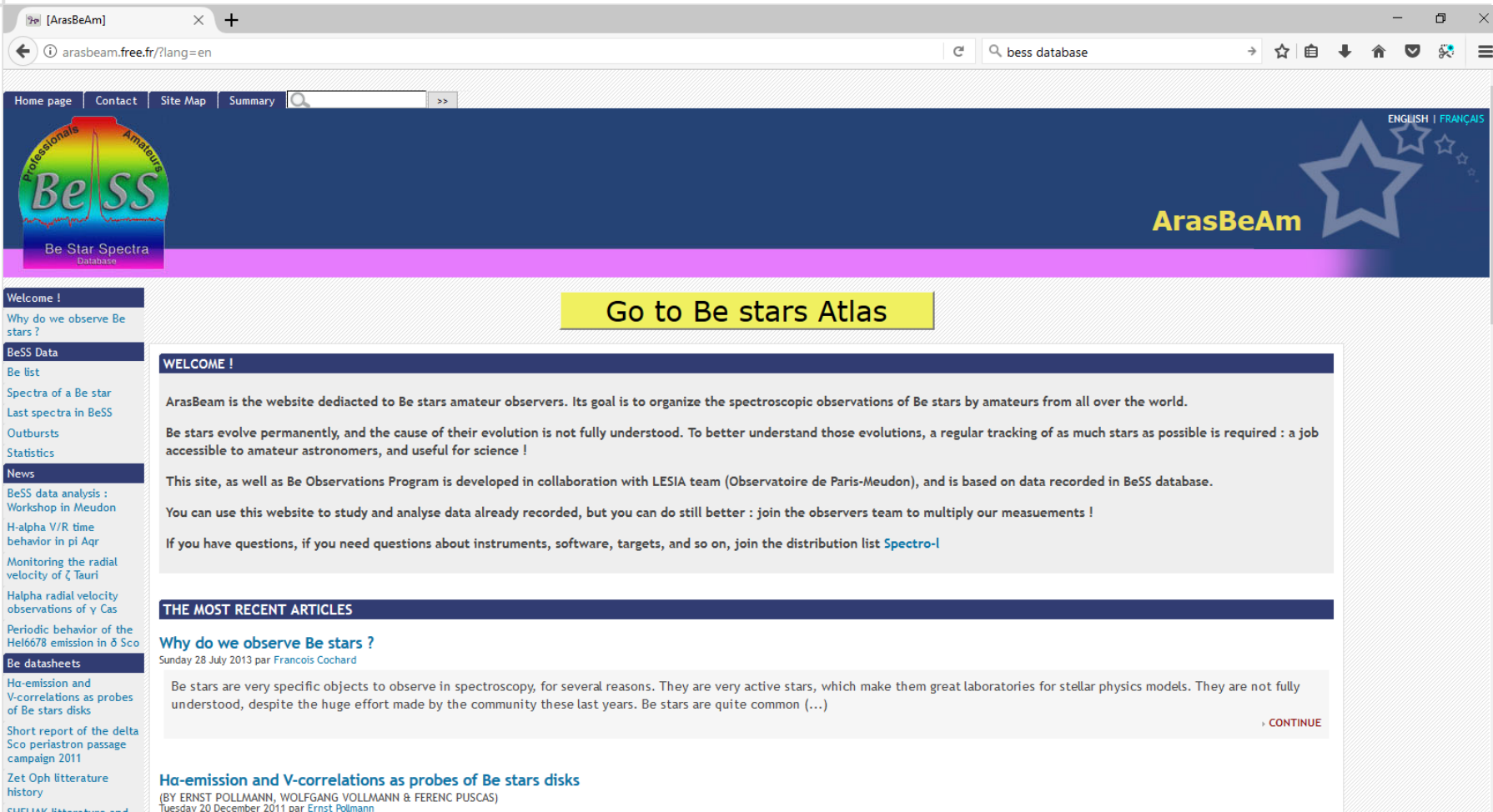
It is currently Thu Nov 02, 2017 6:27 pm

View unanswered posts • View new posts • View active topics

FORUM PRESENTATION	TOPICS	POSTS	LAST POST
Forum Description and General announcements	3	3	by admin Sat Apr 05, 2014 7:07 am
General Topics, Announcements, Forum Life	55	127	by Francois Teyssier Thu Aug 17, 2017 11:42 am

FORUM	TOPICS	POSTS	LAST POST
Current Campaigns Subforums: Be Stars survey, Novae, Planetary Nebulae, Be Search, CH Cygni	282	1246	by marcoastro+ Mon Oct 23, 2017 10:39 am
Outbursts and alerts Information about outbursts of eruptive stars, Be activity, ...	155	2031	by Francois Teyssier Thu Nov 02, 2017 4:29 pm
Spectra, results, information on activity ... Show your spectra, your results ...	467	2145	by Paolo Berardi Thu Nov 02, 2017 3:35 pm
Spectroscopes and Softwares Design, construction, tuning of spectroscopes Information and discussion about softwares (telescope remote, autoguiding, acquisition, spectral processing ...) Subforum: MatLab	391	2079	by etienne bertrand Thu Nov 02, 2017 5:26 pm
Astrophysics	21	38	by Francois Teyssier Mon Oct 16, 2017 10:08 am
Beginners corner Ask your questions, show your results	160	800	by Christian Buil Thu Nov 02, 2017 3:20 am
Introduction / Présentation New on the forum? Please, introduce yourself Présentation des nouveaux inscrits sur le Forum	103	300	by Thomas Petit Sat Oct 21, 2017 5:15 pm
What are your cheating tonight ?			

Spectra van Be sterren en de ProAm BeSS database



The screenshot shows a web browser window with the URL `arasbeam.free.fr/?lang=en`. The page features a navigation menu with links for Home page, Contact, Site Map, and Summary. A search bar is present. The main header includes the BeSS logo (Professional and Amateur) and the ArasBeAm logo with a star graphic. A yellow button labeled "Go to Be stars Atlas" is prominent. The main content area is titled "WELCOME !" and contains introductory text about the website's purpose, the evolution of Be stars, and the collaboration with the LESIA team. A section titled "THE MOST RECENT ARTICLES" lists two articles: "Why do we observe Be stars ?" and "H α -emission and V-correlations as probes of Be stars disks". A sidebar on the left contains a "Welcome !" section and a list of links for navigation, including "BeSS Data", "Be list", "Spectra of a Be star", "Last spectra in BeSS", "Outbursts", "Statistics", "News", "BeSS data analysis", "Workshop in Meudon", "H-alpha V/R time behavior in π Aqr", "Monitoring the radial velocity of ζ Tauri", "H-alpha radial velocity observations of γ Cas", "Periodic behavior of the HeI6678 emission in δ Sco", "Be datasheets", "H α -emission and V-correlations as probes of Be stars disks", "Short report of the delta Sco periastron passage campaign 2011", "Zet Oph literature history", and "CUELIAR literature and".

Home page | Contact | Site Map | Summary

BeSS Professional Amateur
Be Star Spectra Database

ArasBeAm

ENGLISH | FRANÇAIS

Go to Be stars Atlas

WELCOME !

ArasBeam is the website dedicated to Be stars amateur observers. Its goal is to organize the spectroscopic observations of Be stars by amateurs from all over the world.

Be stars evolve permanently, and the cause of their evolution is not fully understood. To better understand those evolutions, a regular tracking of as much stars as possible is required : a job accessible to amateur astronomers, and useful for science !

This site, as well as Be Observations Program is developed in collaboration with LESIA team (Observatoire de Paris-Meudon), and is based on data recorded in BeSS database.

You can use this website to study and analyse data already recorded, but you can do still better : join the observers team to multiply our measurements !

If you have questions, if you need questions about instruments, software, targets, and so on, join the distribution list [Spectro-l](#)

THE MOST RECENT ARTICLES

Why do we observe Be stars ?
Sunday 28 July 2013 par Francois Cochard

Be stars are very specific objects to observe in spectroscopy, for several reasons. They are very active stars, which make them great laboratories for stellar physics models. They are not fully understood, despite the huge effort made by the community these last years. Be stars are quite common (...)

[CONTINUE](#)

H α -emission and V-correlations as probes of Be stars disks
(BY ERNST POLLMANN, WOLFGANG VOLLMANN & FERENC PUSCAS)
Tuesday 20 December 2011 par Ernst Pollmann

BeSS Data
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Last spectra in BeSS
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News
BeSS data analysis :
Workshop in Meudon
H-alpha V/R time behavior in π Aqr
Monitoring the radial velocity of ζ Tauri
H-alpha radial velocity observations of γ Cas
Periodic behavior of the HeI6678 emission in δ Sco
Be datasheets
H α -emission and V-correlations as probes of Be stars disks
Short report of the delta Sco periastron passage campaign 2011
Zet Oph literature history
CUELIAR literature and



Spectra van Be sterren en de ProAm BeSS database

Info via e-mail? spectro-1@yahoogroups.com



Spectra van Be sterren en de ProAm BeSS database

Wat mogen wij in de toekomst verwachten ivm Be sterren en de BeSS database?

- ***Een nieuwe gebruikersinterface. 2 programmeurs aangesteld.***
- ***Een uitbreiding van de database van klassieke Be sterren en Herbig-Haro (emissie lijn) objecten met:***
 - * ***B[e] superreuzen in H-alpha en verboden lijnen, $R > 10000$, $SNR > 30$***
 - * ***Magnetische Be sterren***
 - * ***Astrozeismologie Be sterren.***



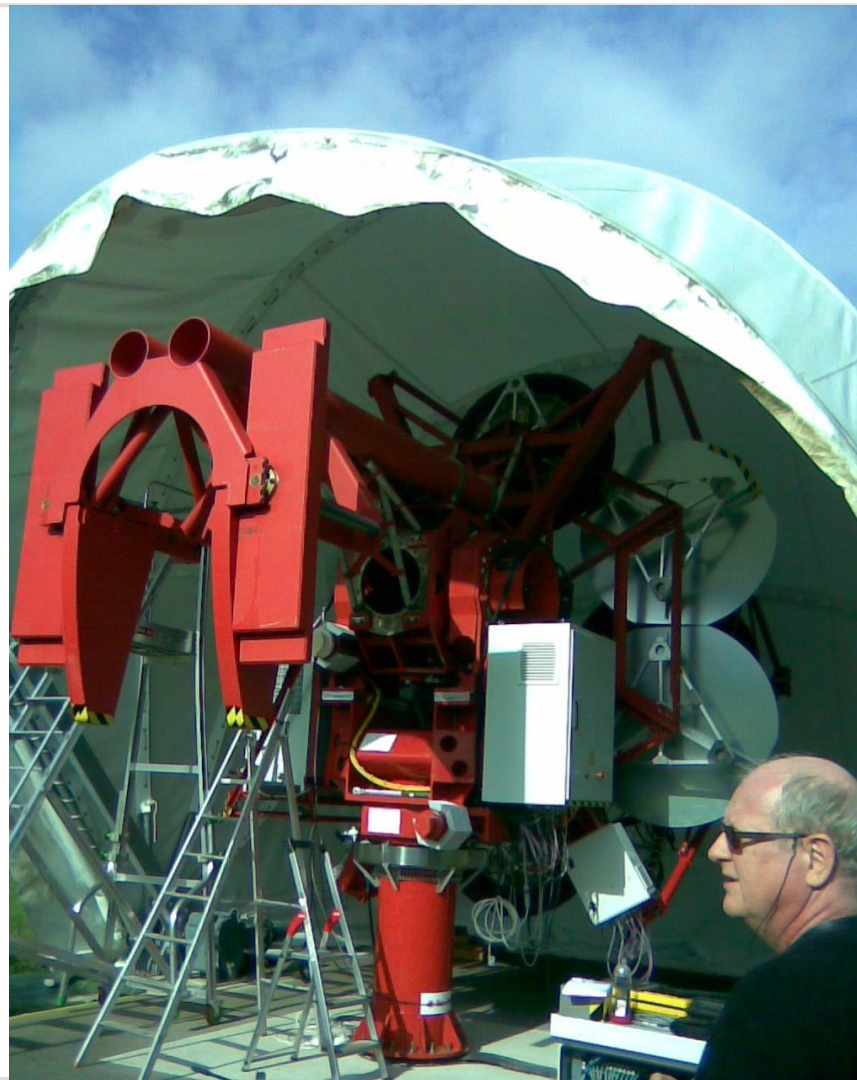
Spectra van Be sterren en de ProAm BeSS database

***Enkele sfeerbeelden van
Het "Observatoire de Paris, Meudon"***

Spectra van Be sterren en de ProAm BeSS database



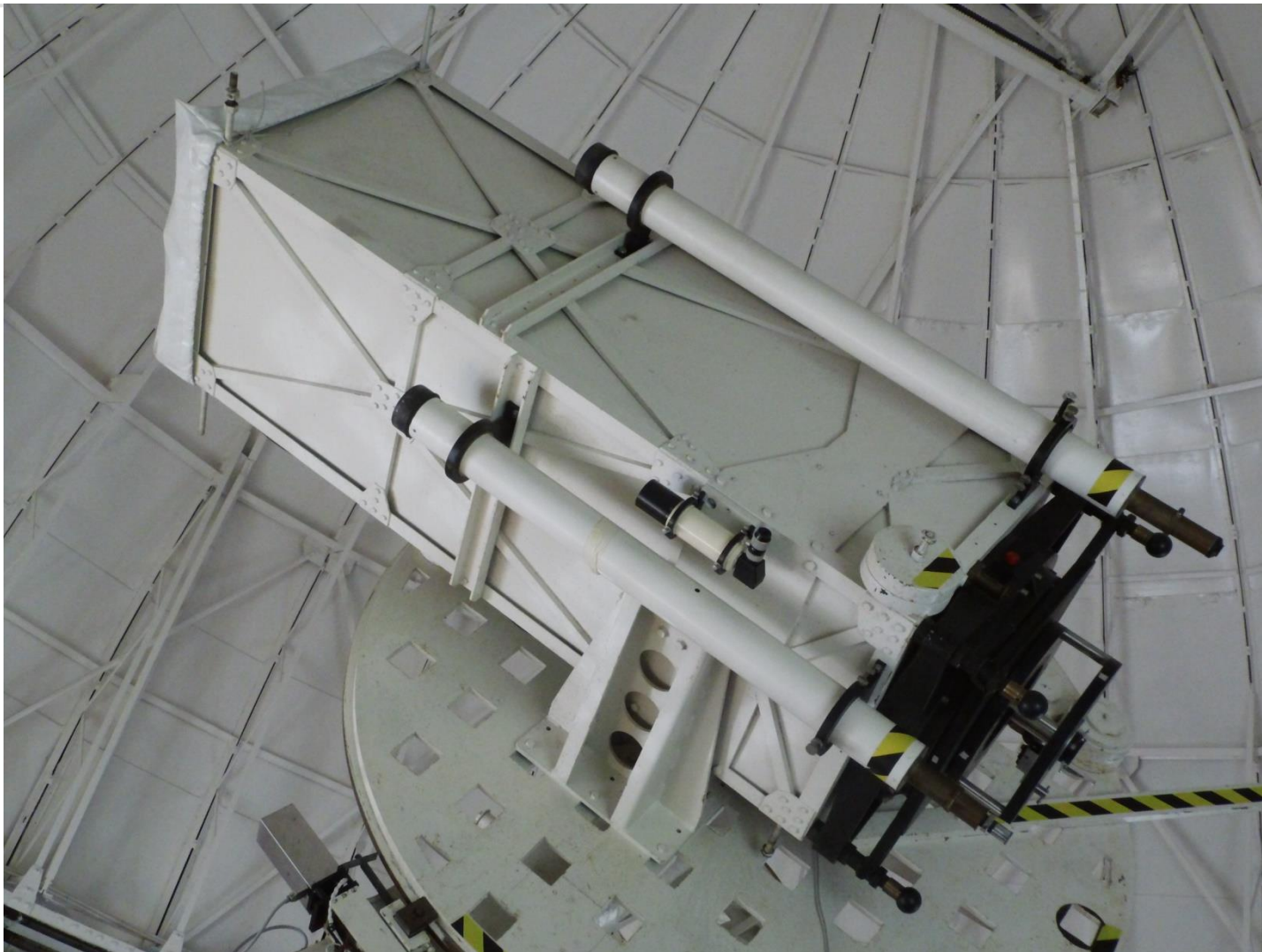
Spectra van Be sterren en de ProAm BeSS database



Spectra van Be sterren en de ProAm BeSS database



Spectra van Be sterren en de ProAm BeSS database



Spectra van Be sterren en de ProAm BeSS database



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Spectra van Be sterren en de ProAm BeSS database



Spectra van Be sterren en de ProAm BeSS database



Spectra van Be sterren en de ProAm BeSS database





Spectra van Be sterren en de ProAm BeSS database



End



**UGent Volkssterrenwacht
Armand Pien**

**Spectra van Be Sterren
De ProAm BeSS Database**

Tivoli Oudenbosch
18 november 2017

