

A thick black L-shaped frame surrounds the text. It starts at the top-left corner, goes right, then down, then right again, and finally down to the bottom-right corner.

# CONTRIBUTING TO THE BESS DATABASE

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# What is BeSS?

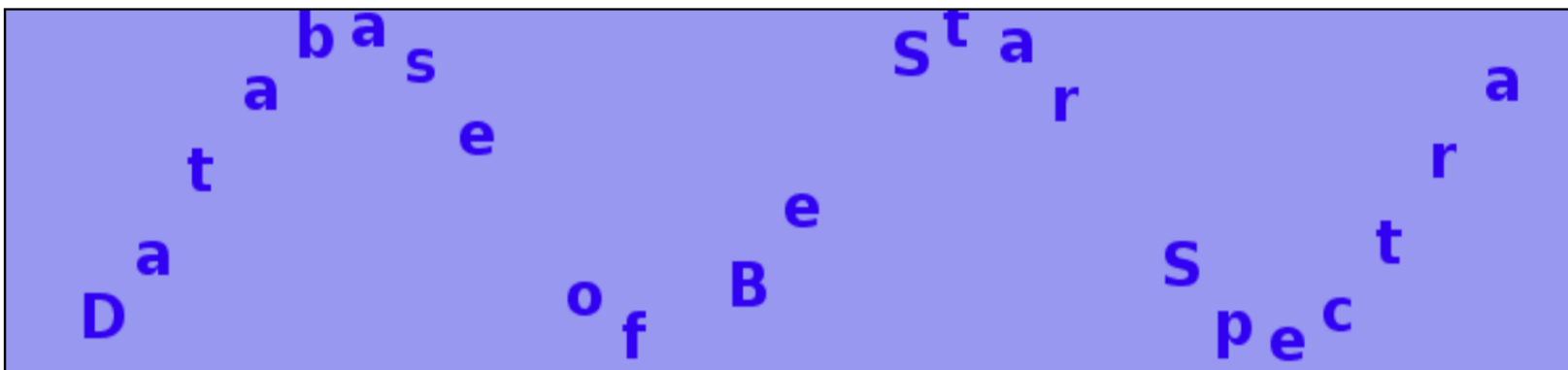
- It's a database that “contains the complete catalog of classical Be stars, Herbig Ae/Be stars and B[e] supergiants”
- This is a pro/am collaboration and both professionals and amateurs contribute to BeSS

# Why contribute to BeSS

- So you can make a contribution to science!
- It's a learning experience – all submissions have to be validated
- Excellent first project – excellent ongoing project
- Data can come from an spectrograph (e.g., Alpy, Lisa, Lhires III, eSchel, etc.)

# BeSS has two websites:

- <http://basebe.obspm.fr/basebe/>
- <http://arasbeam.free.fr/?lang=en>
- Quick tour...



LESIA



## BeSS database v2.0

### Menu

- Home
- Be stars
- Spectra
- Records
- Registrations
- Tools
- Help
- Statistics
- Publications
- Credits

### Member Zone

Observer

Password

The **BeSS** database contains the complete catalog of classical Be stars, Herbig Ae/Be stars, and B[e] supergiants. It 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.



- Welcome !
- Why do we observe Be stars ?
- 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  $\pi$  Aqr

[Go to Be stars Atlas](#)

**WELCOME !**

ArasBeam is the website dediacted 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.



### Welcome !

[Why do we observe Be stars ?](#)

### BeSS Data

[Be list](#)

[Spectra of a Be star](#)

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### News

[BeSS data analysis : Workshop in Meudon](#)

[H-alpha V/R time behavior in pi Aqr](#)

[Monitoring the radial](#)

## Be stars selection criteria

Limit magnitude

Max declination (°)

Min declination (°)

High Resolution Program: H $\alpha$  (6563 Å), R > 5000

All Resolutions Program: H $\alpha$  (6563 Å)

Other wavelength (Å):

All spectra

Display stars to be observed only

Launch

List of Be stars with Magn lower than 9

Max declination : 90°

Min declination : -25°

High Resolution Program: H $\alpha$  (6563 Å) R > 5000

## List of Be stars with Magn lower than 9

Max declination : 90°

Min declination : -25°

High Resolution Program: H $\alpha$  (6563 Å), R > 5000

Recently observed

To be observed soon

To be observed  
immediatelyIntensive observation  
required

495 objects

Star	HD #	RA	DEC	Magn.	Sp. type	Tot. nb	1 year	2 months	Last	Obs Period
+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -	+ -
<a href="#">HD 224905</a>	224905	+00 01 38.6	+60 26 59.7	8.47	B1Vne	8	1	0	2018-07-20 01:23:11	365
<a href="#">HD 225095</a>	225095	+00 03 27.1	+55 33 03.2	7.95	B2IVne	14	2	0	2018-09-07 22:42:05	365
<a href="#">2 Cet</a>	225132	+00 03 44.4	-17 20 09.6	4.54	B9IVne	32	2	0	2018-11-17 19:04:36	365
<a href="#">10 Cas</a>	144	+00 06 26.5	+64 11 46.2	5.57	B9IIIe	45	2	0	2018-10-13 21:40:48	365
<a href="#">V742 Cas</a>	698	+00 11 37.1	+58 12 42.6	7.08	B5IIIe	26	1	0	2018-08-12 23:16:40	365
<a href="#">BD+61 39</a>	0	+00 20 17.4	+62 27 49.9	8.85	B0.5IVe	7	1	0	2018-08-27 23:33:05	365

H-alpha V/R time  
behavior in pi AqrMonitoring the radial  
velocity of  $\zeta$  TauriHalpa radial velocity  
observations of  $\gamma$  CasPeriodic behavior of the  
HeI6678 emission in  $\delta$  Sco

## Be datasheets

H $\alpha$ -emission and V-  
correlations as probes of  
Be stars disksShort report of the delta  
Sco periastron passage  
campaign 2011Zet Oph litterature  
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historyBet Mon A: historical  
evolution

## Links

BeSS

ARAS website