

Activity report for the WG of active B-stars

Elections were organized in late 2022, so that 2023 started with a new committee:

Yaël Nazé (chair, Belgium), Alex Carciofi and Mary Oksala (vice-chairs, Brazil and USA, respectively), Dominic Bowman, Robin Corbet, Alex David-Uraz, Robert Klement and Petr Kurfurst (executive members, Belgium, USA, Canada, Chile, Czech republic, respectively), and Carol Jones (past chair, Canada).

A monthly seminar is now organized by the WG, every 3rd Wednesday of the month. Each seminar attracts several tens of people. Since the start, they were:

- May 2021: Jonathan Labadie-Bartz (America, M) on *Space photometry of classical Be stars: rapid rotation, pulsation, and links to mass ejection*
- June 2021: Matt Schultz (America, M) on *Magnetic B-type Stars as Magnetospheric Exemplars*
- July 2021: Julia Bodensteiner (America, F) on *On the possible binary origin of classical Be stars*
- August 2021: Robert Klement (America, M) on *Interferometric View on Classical Be Stars - Revealing Close Binarity*
- September 2021: Rebecca Martin (America, F) on *Connecting Be/X-ray binary outbursts to disc dynamics*
- October 2021: Anahi Granada (America, F) on *Revisiting the angular momentum loss rates for Be stars in the single star scenario*
- November 2021: Barnali Das (Asia, F) on *Coherent radio emission as a unique probe for hot magnetic stars*
- December 2021: Luqian Wang (Asia, F) on *Search for hot subdwarf companions of rapidly rotating Be stars*
- January 2022: Alessia Franchini (Europe, F) on *Disc eccentricity driving type I and type II outbursts in Be/X-ray binaries*
- February 2022: Kareem El-Badry (Europe, M) on *Binary mass transfer, Be stars, and the search for stellar-mass black holes*
- March 2022: Yaël Nazé (Europe, F) on *The mysterious gamma Cas stars*
- April 2022: Catalina Arcos (America, F) on *Long-term variability in Be stars: features of the outer disks*
- May 2022: Shigeyuki Karino (Asia, M) on *Be-type high-mass X-ray binaries as progenitors of ULXs*
- June 2022: Ylva Goetberg (America, F) on *Stars stripped in binaries: from theory to observation*
- October 2022: Amanda Rubio (America, F) on *Decretion and accretion in Be star binary systems*
- November 2022: Chen Wang (Europe, F) on *What can we learn from the multiple MS components detected in young star clusters?*
- January 2023: Sebastian Kamann (Europe, M) on *The fingerprint of stellar rotation on the colour-magnitude diagrams of young star clusters*
- February 2023: Nazma Islam (America, F) on *Superorbital modulations in supergiant High Mass X-ray binaries*
- March 2023: Sally Oey (America, F) on *OBe Star Kinematics: Evidence Supporting Binary Interactions*

The latest seminars are now available from a dedicated YouTube channel:
<https://www.youtube.com/@iauwgabs>

In the coming year, a renewal of the website is foreseen as well as a WG meeting (none was organized recently, in view of the covid pandemic).

As always, the committee welcomes any suggestions (e.g. regarding seminars, meetings, etc...) from the WG members.

Prepared by the previous and current Committees.