

Foreword

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*10th Meeting on “Hot Subdwarfs and Related Objects”
University of Liège (Belgium), June 13–17, 2022*

The 10th Meeting on Hot Subdwarfs and Related Objects (tagged as “sdOB10”) was held at University of Liège, Belgium, in June 13-17, 2022 (www.sdOB10.uliege.be). The meeting gathered 75 participants from all around the world, with 60 people on site and 15 participants online, via the live retransmission. This gathering celebrated the 10th edition of this series of meetings initiated in 2003 in Keele (UK) and devoted to hot subdwarf stars. These little blue objects represent an advanced stage of stellar evolution, at least after the first red giant branch (the details of their formation from single, binary and merger channels are still discussed nowadays), and have attracted a vibrant community of researchers in the last decades for addressing the series of challenges these stars represent. These challenges were reflected in the six sessions organised at the sdOB10 meeting: (1) Atmospheric studies of hot subdwarfs; (2) Populations of hot subdwarfs (both from large surveys and synthesis studies); (3) Pulsations in hot subdwarfs; (4) Hot subdwarfs as laboratories for stellar physics; (5) Origin and evolution of hot subdwarfs; and (6) Massive, compact, low-mass and substellar companions to hot subdwarfs. 58 talks were presented during these six sessions, including 14 flash-talks of 5 minutes showcasing 14 posters that were uploaded on the conference repository. In addition, 3 general discussions were organised along the meeting, fostering collaborations and opening paths for future research.

These proceedings, which were written on a voluntary basis, represent a glimpse of the talks and discussions we had at the sdOB10 meeting. In addition, the conference repository (https://dox.uliege.be/index.php/s/PKKSvLnsHbjqdr; password: sdOB_forever) gathers the posters and the slideshows of the talks presented at this meeting, as well as the conference booklet and other conference material. Last but not least, the repository gathers conference pictures, from the sessions and the social events that have left enjoyable memories for the onsite participants. We decided to reconvene in September 2023 for the 11th Meeting on Hot Subdwarfs and Related Objects in Armagh, UK.