

Work visit of a Belgian colleague to India

(22/01/2024-03/03/2024)

The third BIPASS visit sent the Belgian PhD student [Said Hmiddouch](#) (ULiège, Belgium; see picture) from the group of [Emmanuel Jehin](#) to the PRL in Ahmedabad for a duration of approximately 1.5 month. During stay, [Said Hmiddouch](#) participated to the 42 meeting of the Astronomical Society of India (ASI24) held in Bengaluru (India). At the conference, he presented a poster showcasing his results about the comet C/2017 K2 (PanSTARRS), based on data obtained from the TRAPPIST and VLT telescopes. This platform not only allowed him to disseminate his results but also provided a forum for fruitful discussions and networking with fellow researchers.



In addition to his participation to this meeting, he also worked closely with researchers at the PRL, including [Shashikiran Ganesh](#), [Aravind Krishnakumar](#), and [Goldy Ahuja](#). Their collaborative efforts primarily focused on the spectroscopic analysis of comets, leveraging Indian instrumentation and data analysis techniques. One notable experience was his visit to the Mount Abu observatory (Gurushikhar, India), where he spent one week and gained hands-on experience in observing and collecting spectroscopic data using the Long-slit Intermediate resolution Spectrograph for Astronomy (LISA). Together with the Indian colleagues, they observed and collected data for several prominent comets, including 62P, C/2023 A3, C/2021 S3, 144P, and C/2022 E2, which will contribute significantly to their future research projects. They also had fruitful discussions regarding potential future research projects. These discussions encompassed diverse topics, including the future paper of [Said Hmiddouch](#) about the study of long-period and dynamically new comets using photometric data from TRAPPIST and spectroscopic data from the HCT and MIRO telescopes. Additionally, collaborative efforts were initiated to investigate comet C/2020 V2, leveraging TRAPPIST photometric data and spectroscopic data from Indian telescopes for a paper led by [Goldy Ahuja](#) (PRL, India), as well as discussions about the paper on comet C/2022 E3 led by [Aravind Krishnakumar](#) (PRL, India).