Contribution ID: **1**   Type: **not specified**

Quasar classification and resdhift estimation

Tuesday, 24 October 2023 12:00 (30 minutes)

I will present SQUEzE, a machine-learning-based quasar classifier that assigns redshifts to the classified objects. SQUEzE was originally designed to work with SDSS (DESI and WEAVE too) spectra but is highly flexible and can also cope with photometric data from multi-narrow-band photometric surveys (e.g. J-PAS). It follows the human visual inspection procedure and classifies the objects using random forest classifiers based on the found emission line peaks. The redshifts are automatically extracted from the position of the peaks.

Primary author: PÉREZ, Ignasi (ICCUB)

Presenter: PÉREZ, Ignasi (ICCUB)