## **SCAR AAA 2021**



Contribution ID: 31 Type: not specified

## The One-meter Polar Large Telescope (PLT) prototype for Concordia

Friday, 10 September 2021 11:35 (15 minutes)

Following the ANGISS 2.5m off-axis telescope project, presented at the AAA-2015 conference, we propose to build a 1m prototype for 2.5m PLT. Such an optical design is based on a common 2.5m off-axis primary mirror delivering two science cases modes: (1) two mirror corrector optimized to a wide FOV (1Deg) for IR survey and (2) one mirror corrector optimized for a narrow FOV for direct exoplanet detection. This 1-m proof-of-concept prototype will access and validate the off-axis PLT technical feasibility and IPEV logistics for larger telescope.

Primary author: VAUGLIN, Isabelle (CRAL/CNRS - Observatoire de Lyon)

Co-author: MORETTO, Gil (CRAL)

Presenter: VAUGLIN, Isabelle (CRAL/CNRS - Observatoire de Lyon)

Session Classification: Optical Infrared Radio:2