

Session 1

**(Invited) Coronagraph-COronal Magnetism and Plasma
ASsembled Scopes(COMPASS)**

Zhi Xu and other CO-authors
YNAO

COMPASS, as a huge Lyot coronagraph, is developed from COSMO-LC proposed by Tomczyk et al., aiming at coronal magnetic field diagnostics in lower solar corona. It is featured by the simultaneous and independent polarimetry respectively combined with Integral Field Spectroscopy (IFS) at the green coronal line and tunable filtering observation at 1074.7nm. This talk details the configuration of the COMPASS and recent progresses in realizing the key techniques, including manufacture of a couple of fan-profiled Integral Field Unit (IFU) suitable for spatial scanning, as well as Integral Field Spectrograph (IFS) with multiple slits to promote the spectroscopic sampling efficiency.