

## NOT - a telescope for the future



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# Developing NTE for the NOT

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The design, projected performance and status of NTE (NOT Transient Explorer) is described. NTE is in reality three independent instruments mounted together at the Cassegrain focus of the NOT: NTE-VIS-imager, NTE-IR-imager and NTE-spectrograph. The two imagers can be used in parallel via a dichroic and provides a FoV of  $6'$  with a sampling of  $0.18''/\text{pix}$ . They are in performance very similar to AIFOSC and NOTCam, respectively. The NTE spectrograph is a cross-dispersed and covers the spectral range 320 nm - 2430 nm in a single exposure, through 18 spectral orders, with a  $23''$  long slit. The spectrograph utilizes CCDs in the visible/UV and an H2RG detector from Teledyne in the IR, with plate scales of  $0.23''$  and  $0.40''$ , respectively. NTE is expected to have first light in 2024.

**Primary author:** ANDERSEN, Michael I. (Niels Bohr Institute, University of Copenhagen)

**Presenter:** ANDERSEN, Michael I. (Niels Bohr Institute, University of Copenhagen)