

Title

Instrumentation for Large Groundbased Astronomical Telescopes

Speaker

Dr. Hans Ulrich Kaeufl

Abstract

Advanced astronomical telescopes are equipped with sophisticated instrumentation allowing for imaging and spectroscopy from the atmospheric UV-cut-off at a wavelength as short as 280nm up to the far infrared at 28micron. Starting from the scientific requirements set-ups for typical instruments will be discussed.

Atmospheric effects and their mitigation will be presented. Some highlight astrophysical results will be presented as well.

While the talk will be focused on "state of the art", and outlook to the next generation of extremely large telescopes will be given.