

I. PHYSICS

Astrophysics (Solar Corona)

H_{α} EMISSION IN THE CORONA

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THE purpose of the experiment was to photograph the corona through a narrow band H_{α} transmitting filter.

Keywords: H_{α} -Emission; H_{α} -Transmitting Filter.

DESCRIPTION

A 10cm aperture, 100cm focal length telescope formed the image of the sun and the corona which was photographed through a Halle H_{α} -filter of 0.5Å pass band.

SUMMARY OF PRELIMINARY RESULTS

Two well exposed photographs, one in the H_{α} core and the other 0.75Å away from the core, have been obtained.

LOCATION

Jawalagera, Karnataka. Long. 76° 52', 52"E, Lat. 15° 50' 57"N.