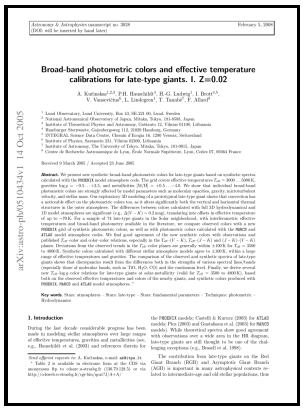
Consequences of a chromospheric temperature gradient on the width of H [alpha] in late-type giants

Big Bear Solar Observatory, California Institute of Technology - Solar evolution



Broad-band photometric colors and effective temperature calibrations for late-type giants. I. Z=0.02

Description: -
-
Animals -- Fiction
Circus -- Fiction
Temperature gradients.
Optical properties.
Chromosphere.
Giant stars.
Stellar chromospheres.Consequences of a chromospheric temperature gradient on the width of H [alpha] in late-type giants
-
[NASA contractor report] -- NASA CR-173359.Consequences of a chromospheric temperature gradient on the width of H [alpha] in late-type giants
Notes: Microfiche. [Washington, D.C. : National Aeronautics and Space Administration], 1984. 1 microfiche.
This edition was published in 1984

Tags: #Stellar #Chromospheres, #Annual #Review #of #Astronomy #and #Astrophysics

Atmospheric Electrification in Dusty, Reactive Gases in the Solar System and Beyond

Unique among its planetary kin, Earth has a mosaic of mobile plates that move across its surface, helping to recycle volatiles back into the interior and regulating planetary temperature. The periods come from OGLE III Soszyński et al.

Magnetic activity optimal tracers: from radio to X

If the glass breaks because of the heat, no light at all is reflected, making the device fail-safe.

Magnetism, dynamo action and the solar

Most stellar cycle periods are from the long-term Ca II HK monitoring effort originally started by O. This suggests that nonthermal broadening is a signature of a turbulent phase of the flare, which can begin several minutes before the onset of the hard x-ray emission.

Model Atmospheres for Intermediate and Late

Ayumi Asai Title: Fine Structure inside Flare Ribbons and its Temporal Evolution Authors: Asai, A. Its primary objective is to study the connection of the dynamics and heating observed in the solar corona with the magnetic field at the solar surface. This allows for the extension of the measurement to energies greater than a few EeV.

Stellar Chromospheres, Annual Review of Astronomy and Astrophysics

Meteoritic abundances, in turn, need to be referred to other elements usually silicon , as meteorites have little hydrogen left. We propose to exploit the unique spectral resolution of the LETG at long wavelengths to search for Doppler line shifts from the orbiting poles.

Solar evolution

A crucial takeaway from the diagram is that the x-ray cycle amplitudes are enormous, factors of several to 10, whereas Ca II cycle modulations solid curves in lower part of figure are nearly flat lines on the logarithmic scale only about 15% in amplitude.

Model Atmospheres for Intermediate and Late

Yohkoh10 - Abstracts Multi-Wavelength Observations of Coronal Structure and Dynamics -- Yohkoh 10th Anniversary Meeting Yohkoh10 Abstracts Sachiko Akiyama Title: Soft X-ray High-Temperature Regions above Solar Flare Loops Authors: Akiyama, S Naval Research Laboratory Hara, H National Astronomical Observatory of Japan We analyzed 141 solar flare data observed with the {it Yohkoh} soft and hard X-ray telescopes to investigate general characteristics of soft X-ray high-temperature regions above flare loops. The time decay of this emission is unusually rapid 26 s suggesting an elevated abundance of 3He assuming the absence of much higher energy particles. Solid, dashed, and dot—dashed lines are for 2.

Magnetic activity optimal tracers: from radio to X

Montana State University McKenzie, D. On their launch time calculated from the solar wind speed, CMEs were found on the east limb of the Sun.

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