

The background of the slide is a high-resolution astronomical image showing a dense field of stars. The stars vary in brightness and color, with many appearing as yellow or white points of light. Several stars exhibit prominent diffraction spikes, indicating they are bright enough to be resolved. The overall color palette is dark, with the stars providing the primary light source. The title 'Structure and Evolution of Stars' is centered in the upper half of the image in a yellow, sans-serif font.

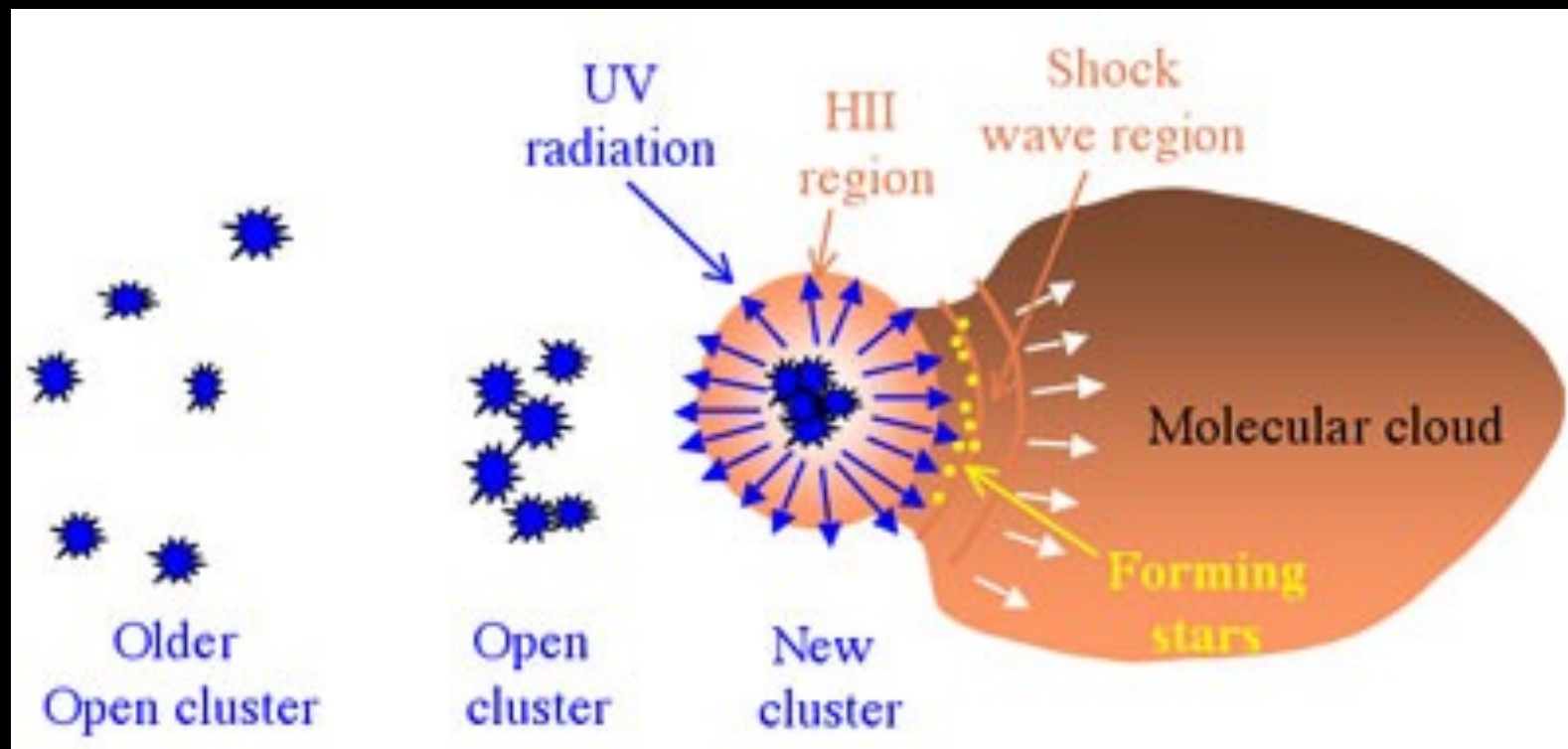
Structure and Evolution of Stars

Lecture 11









a dark cloud

dense core

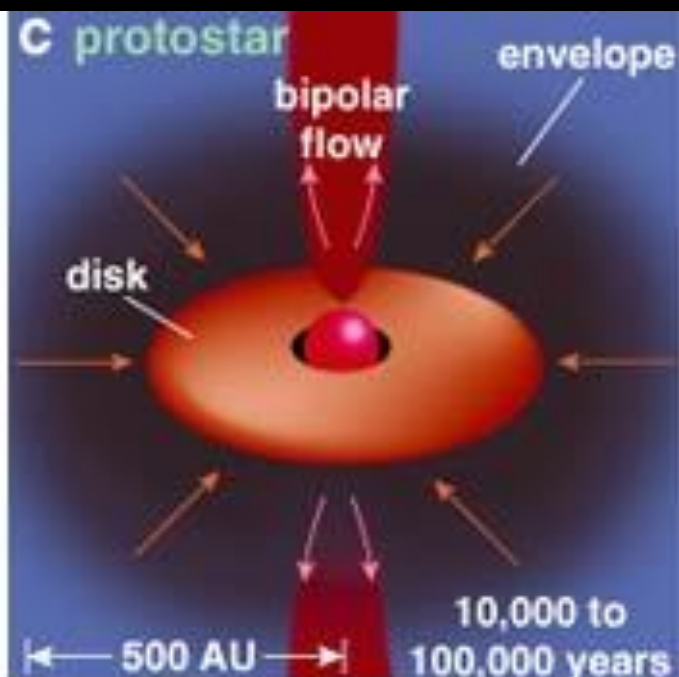
← 200,000 AU →

b gravitational collapse

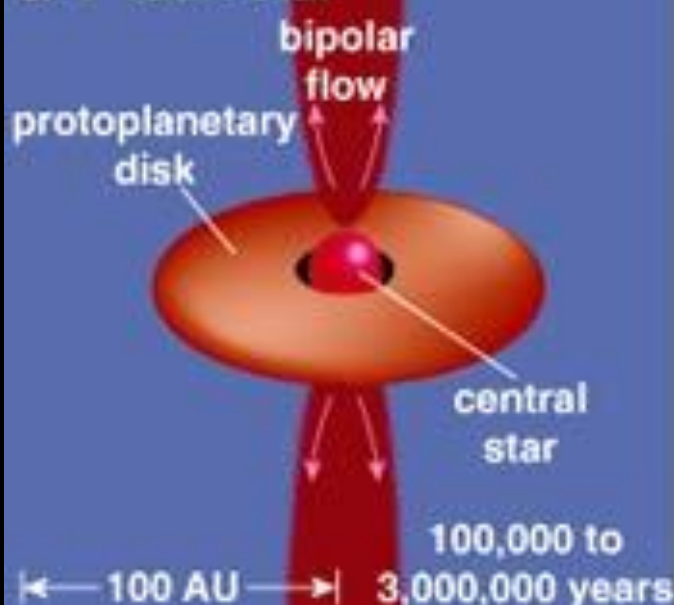


← 10,000 AU → time = 0

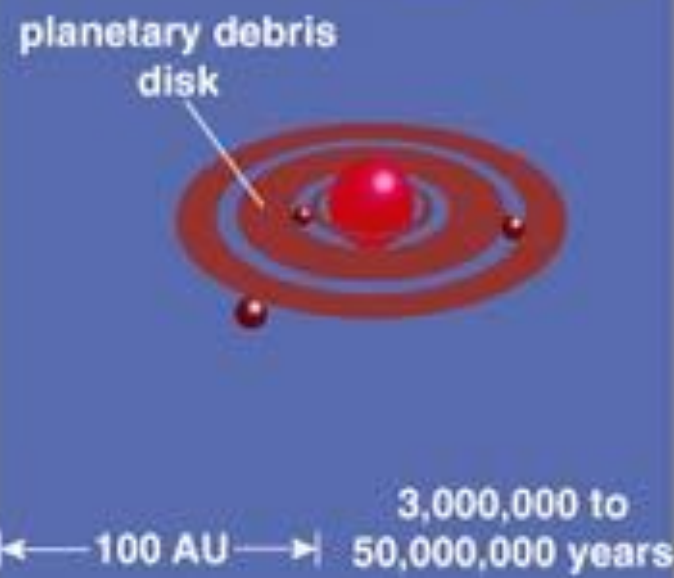
c protostar



d T Tauri star



e pre-main-sequence star



f young stellar system





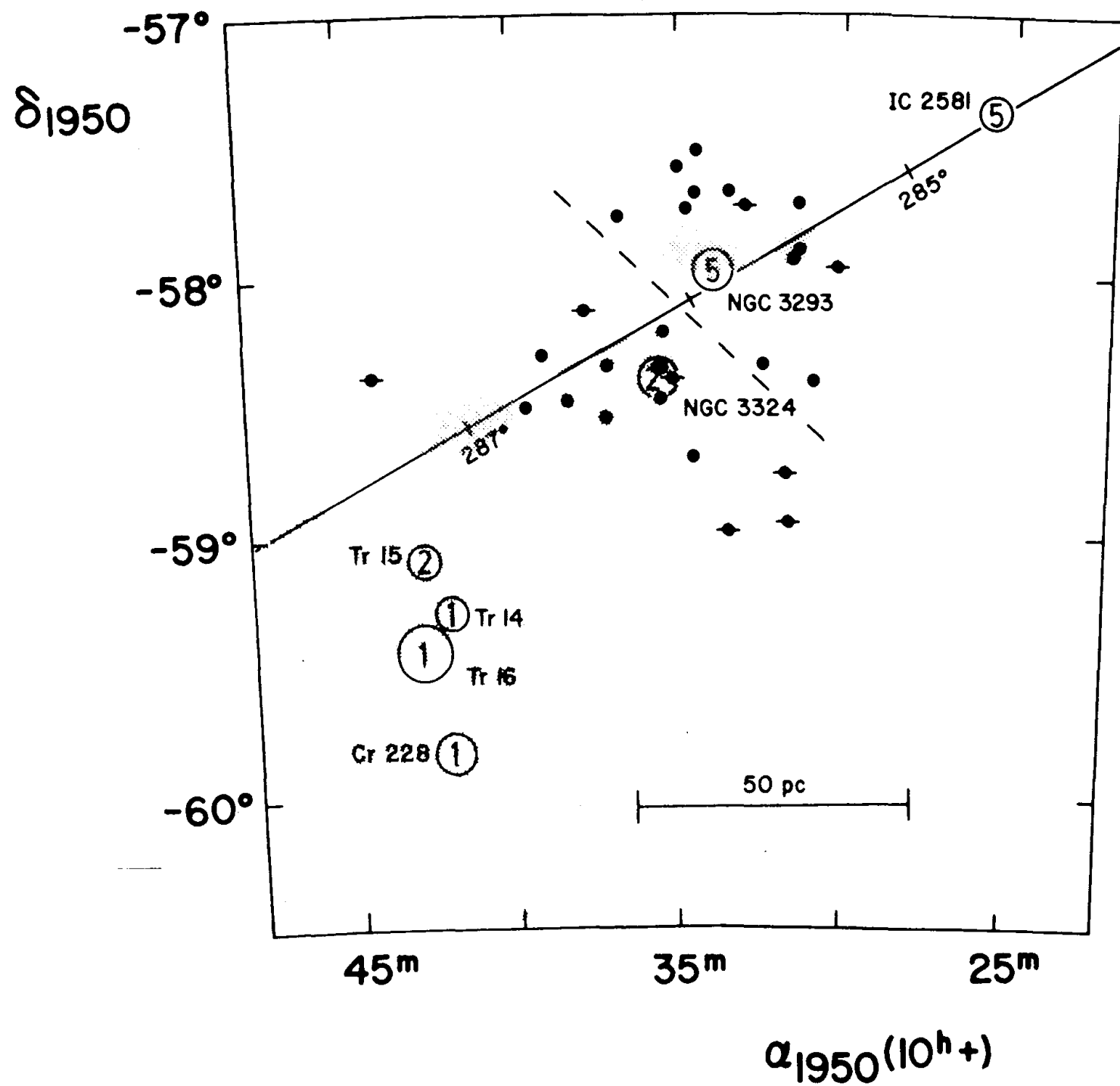
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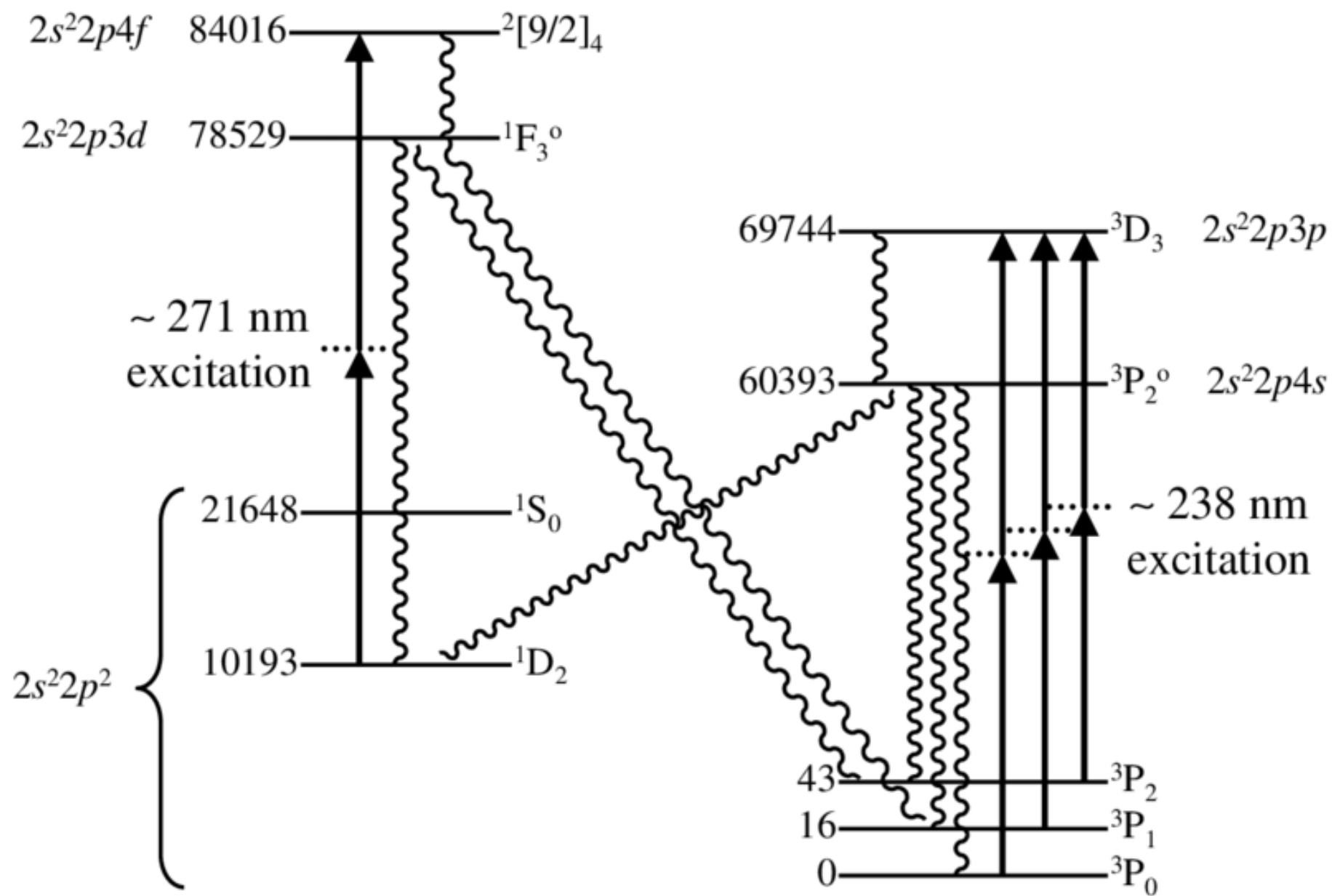


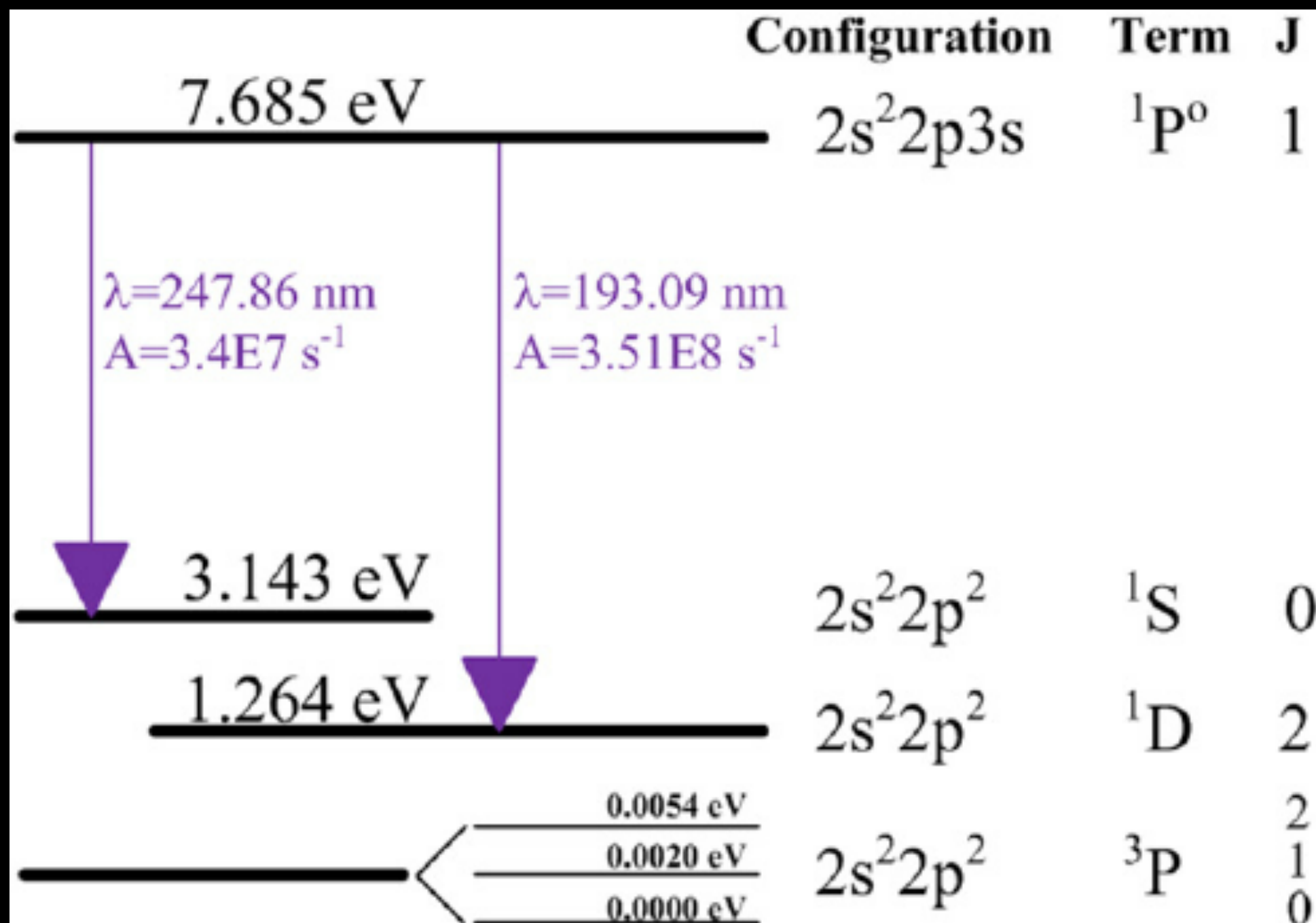


ESA/Hubble & NASA, J. Dalcanton
Dark Energy Survey/DOE/FNAL/DECam/CTIO/NOIRLab/NSF/AURA,

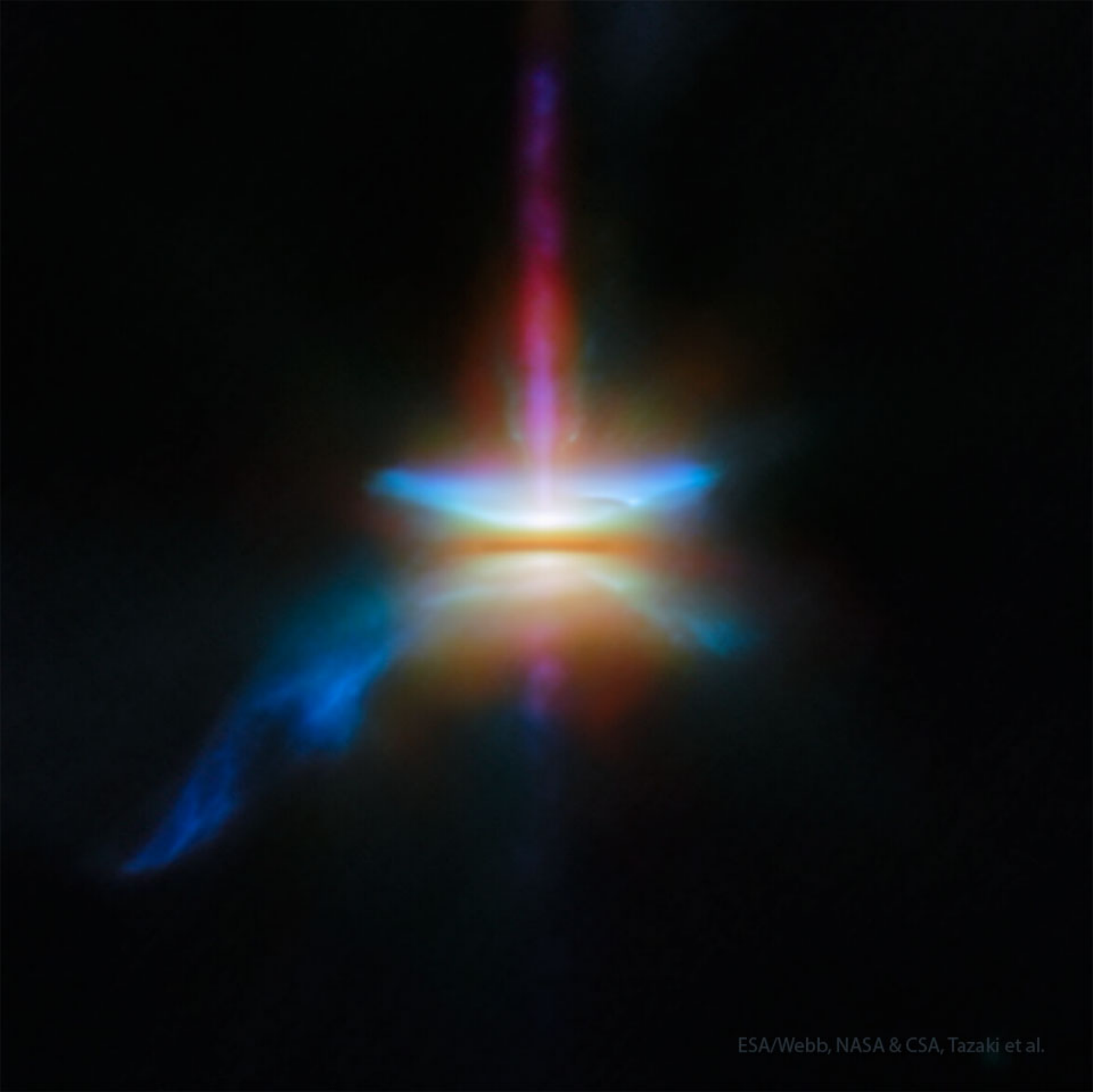


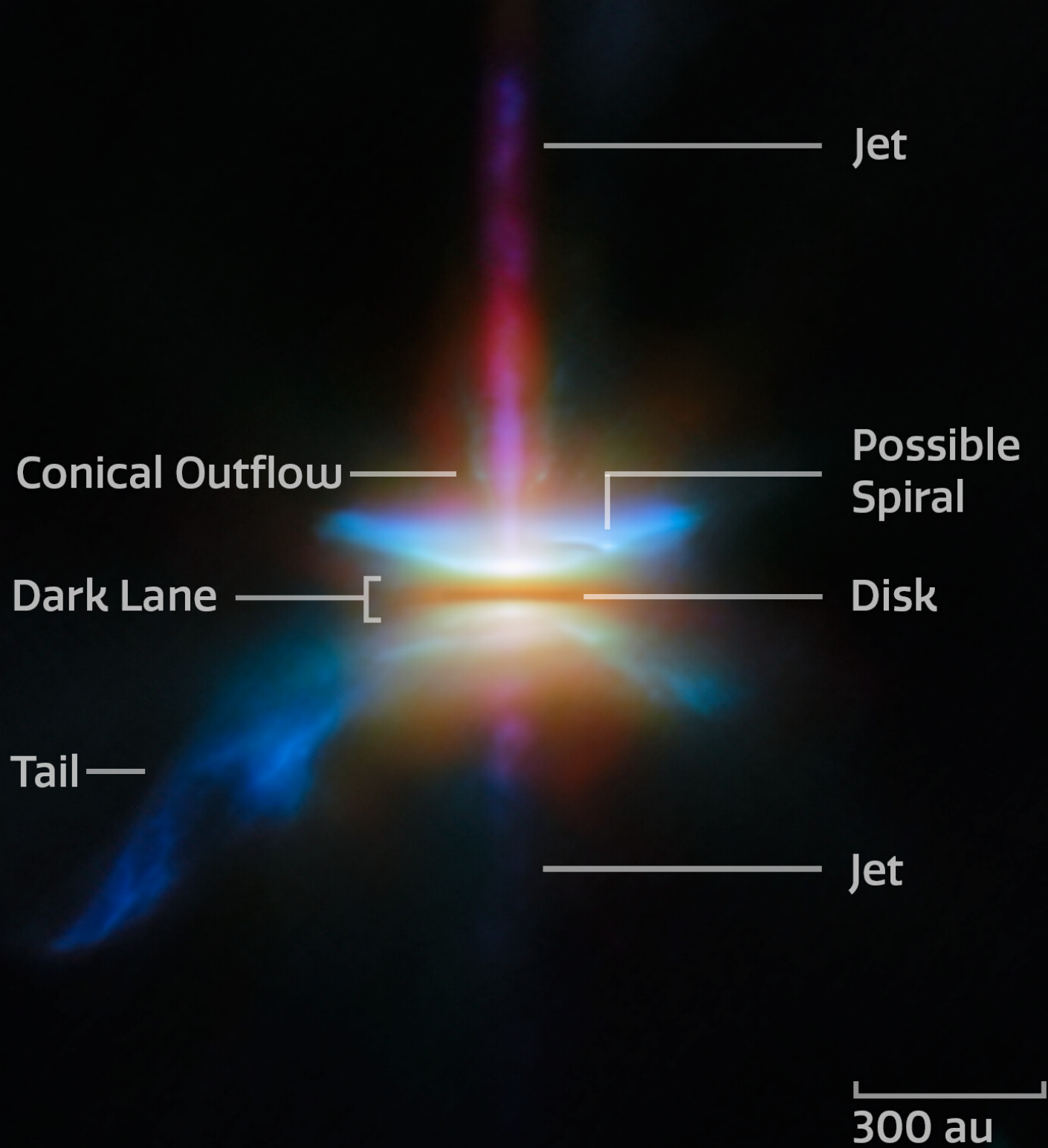


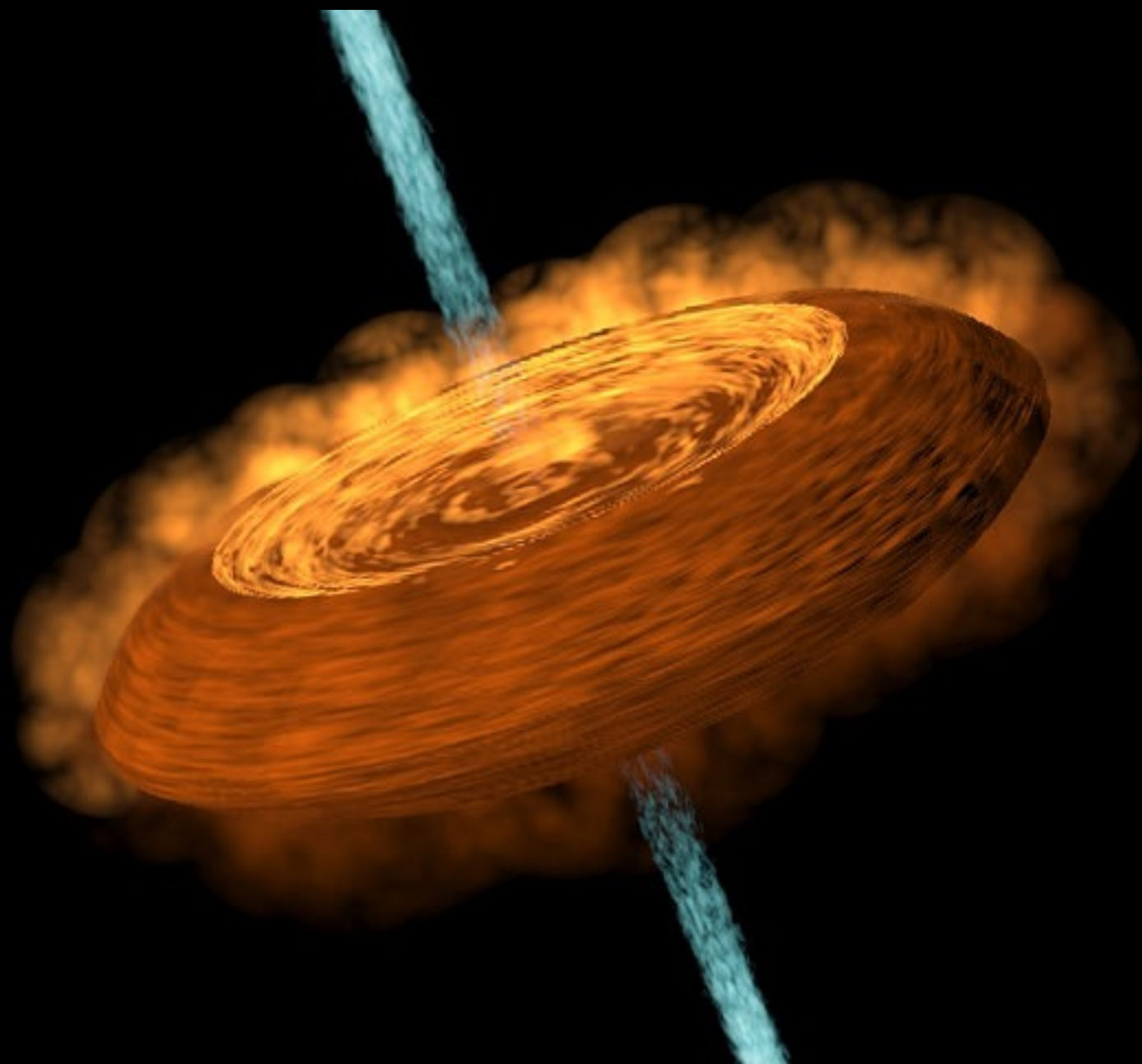












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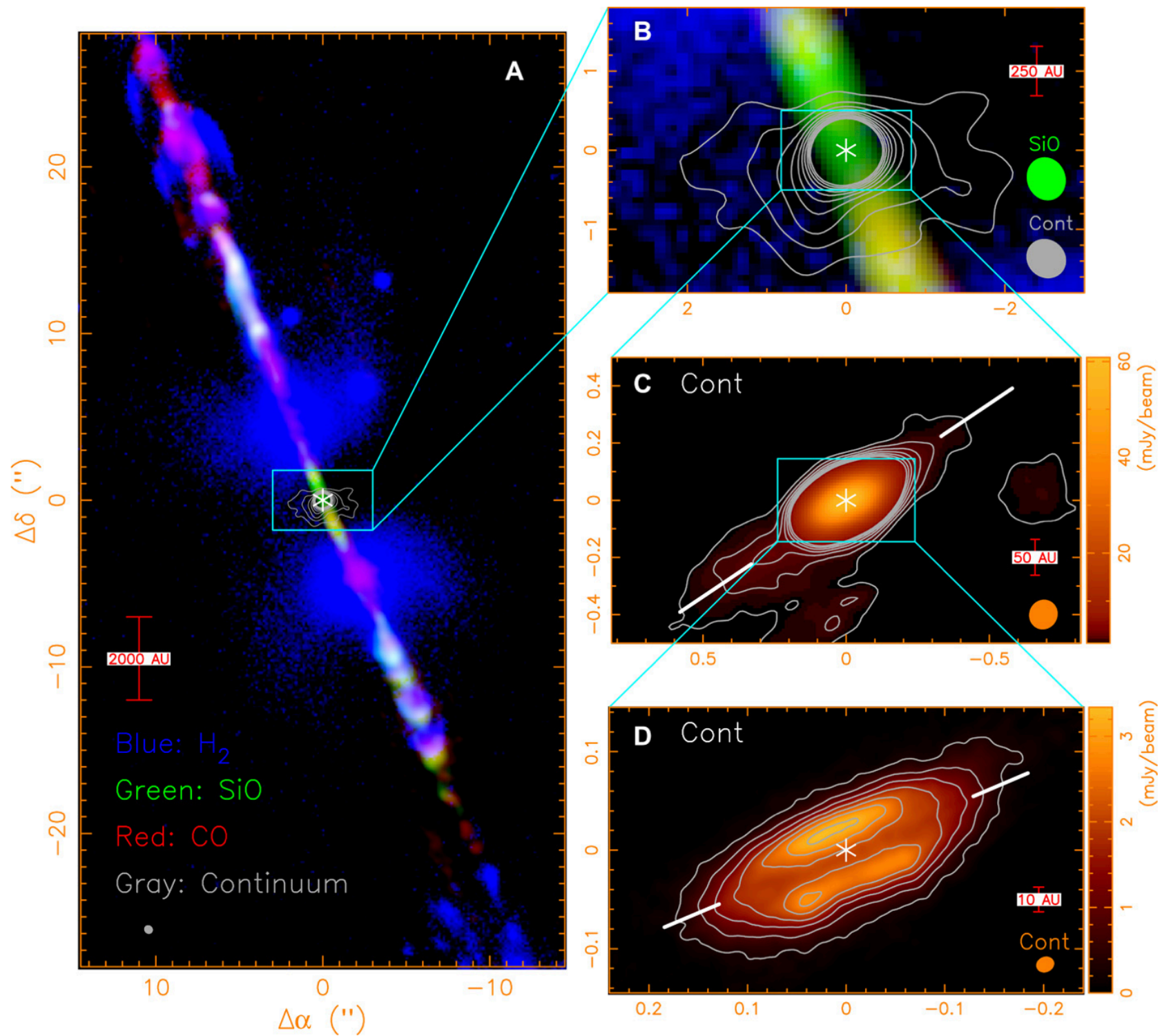
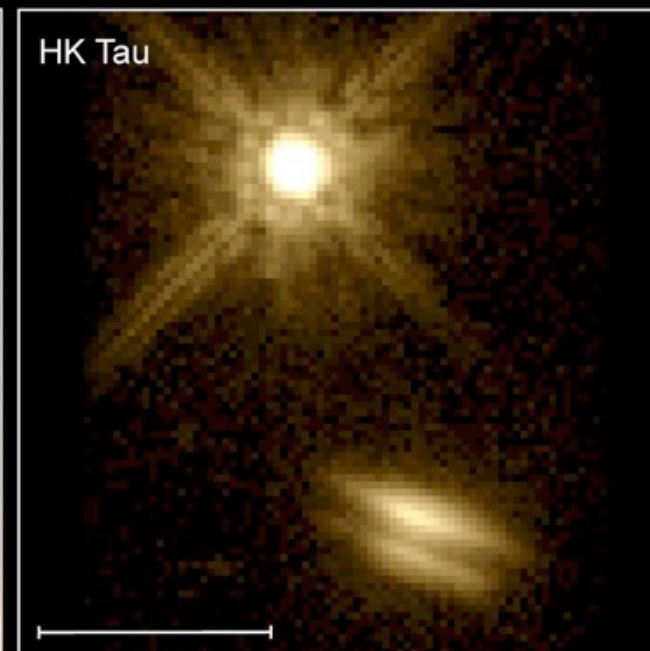
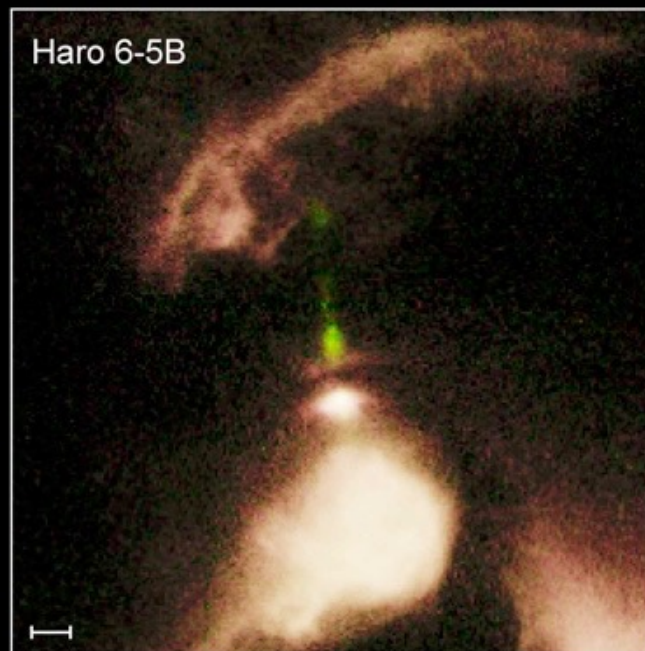
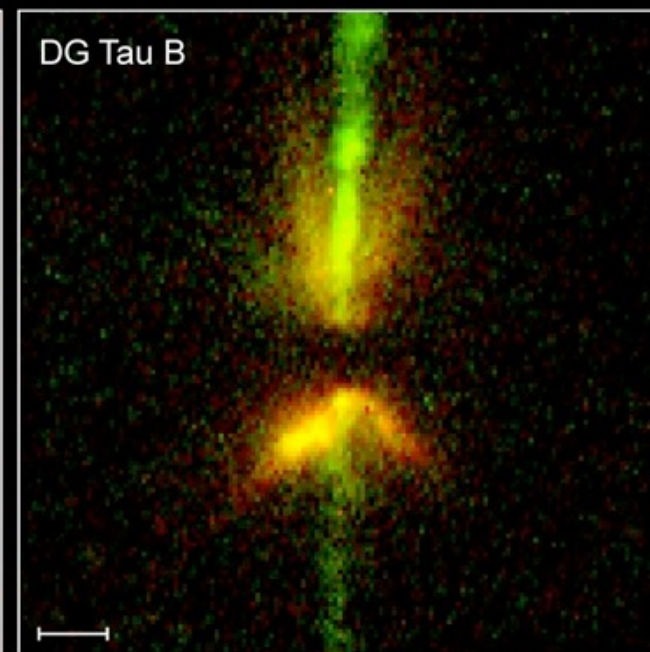
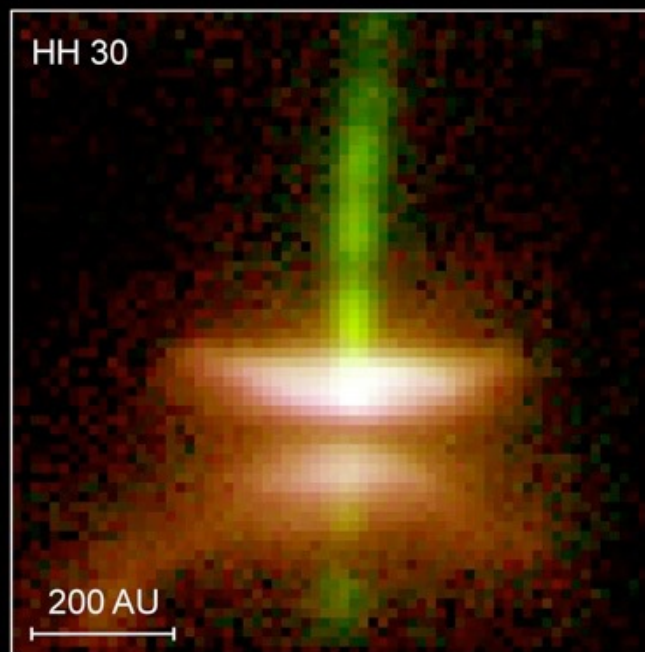
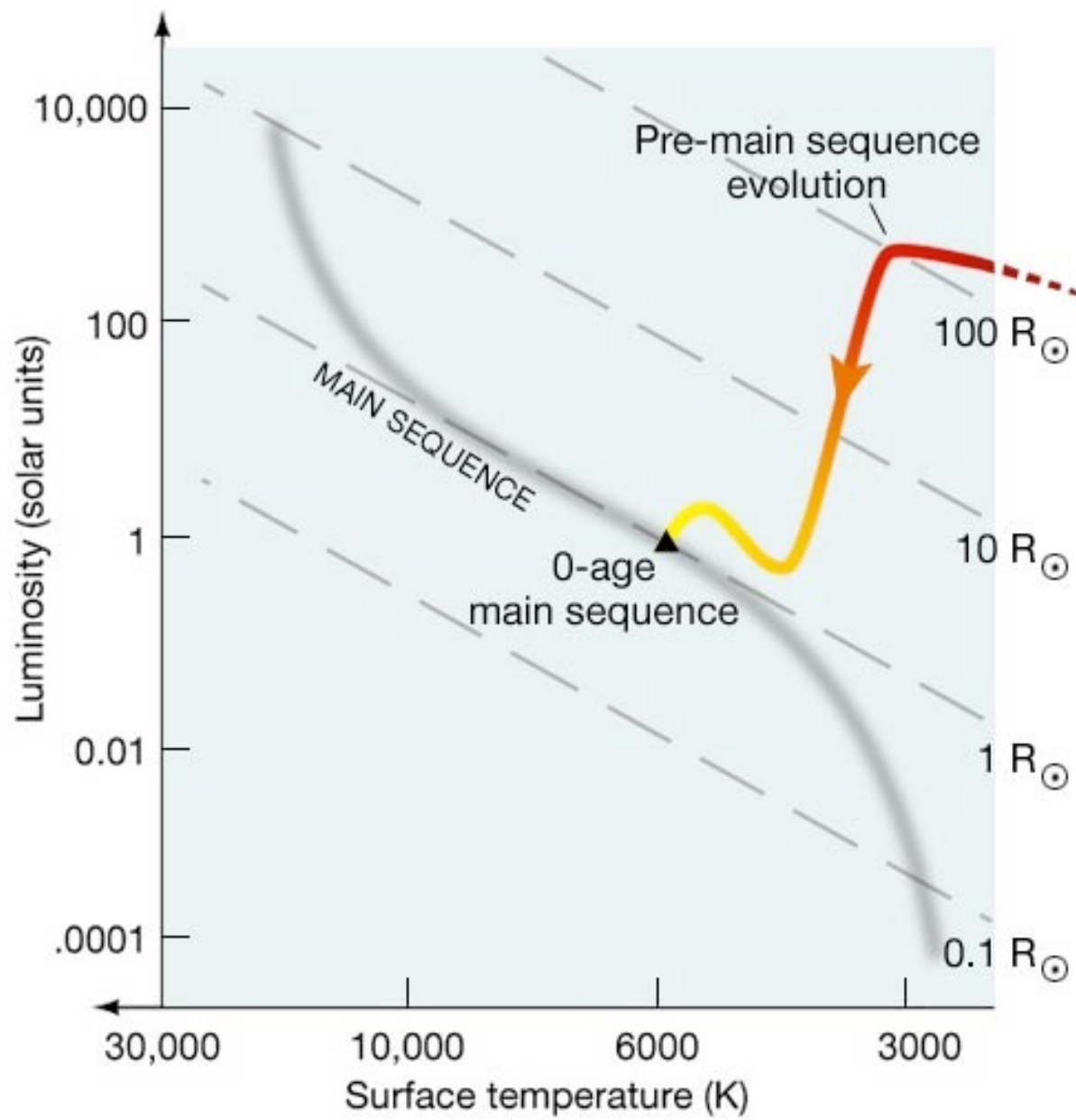


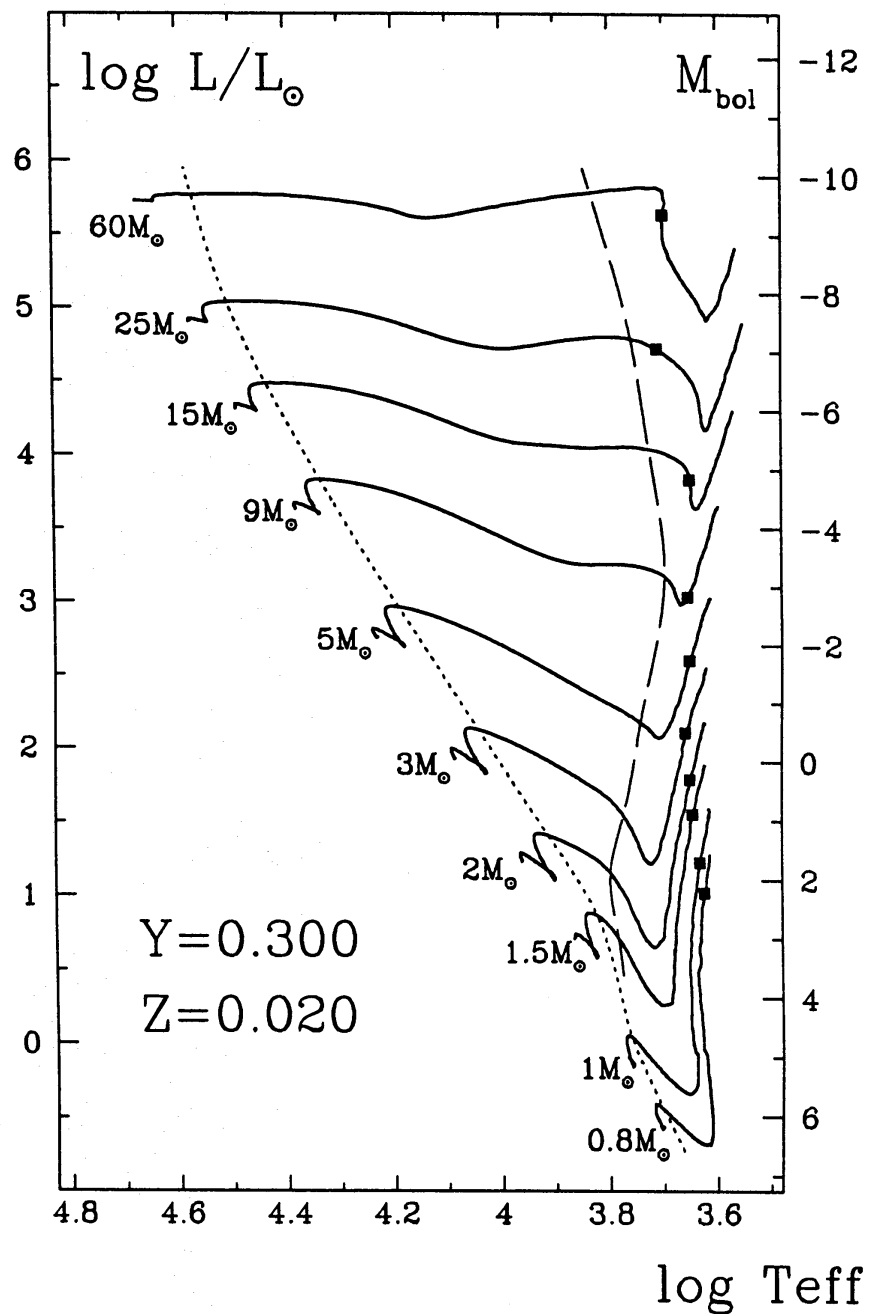
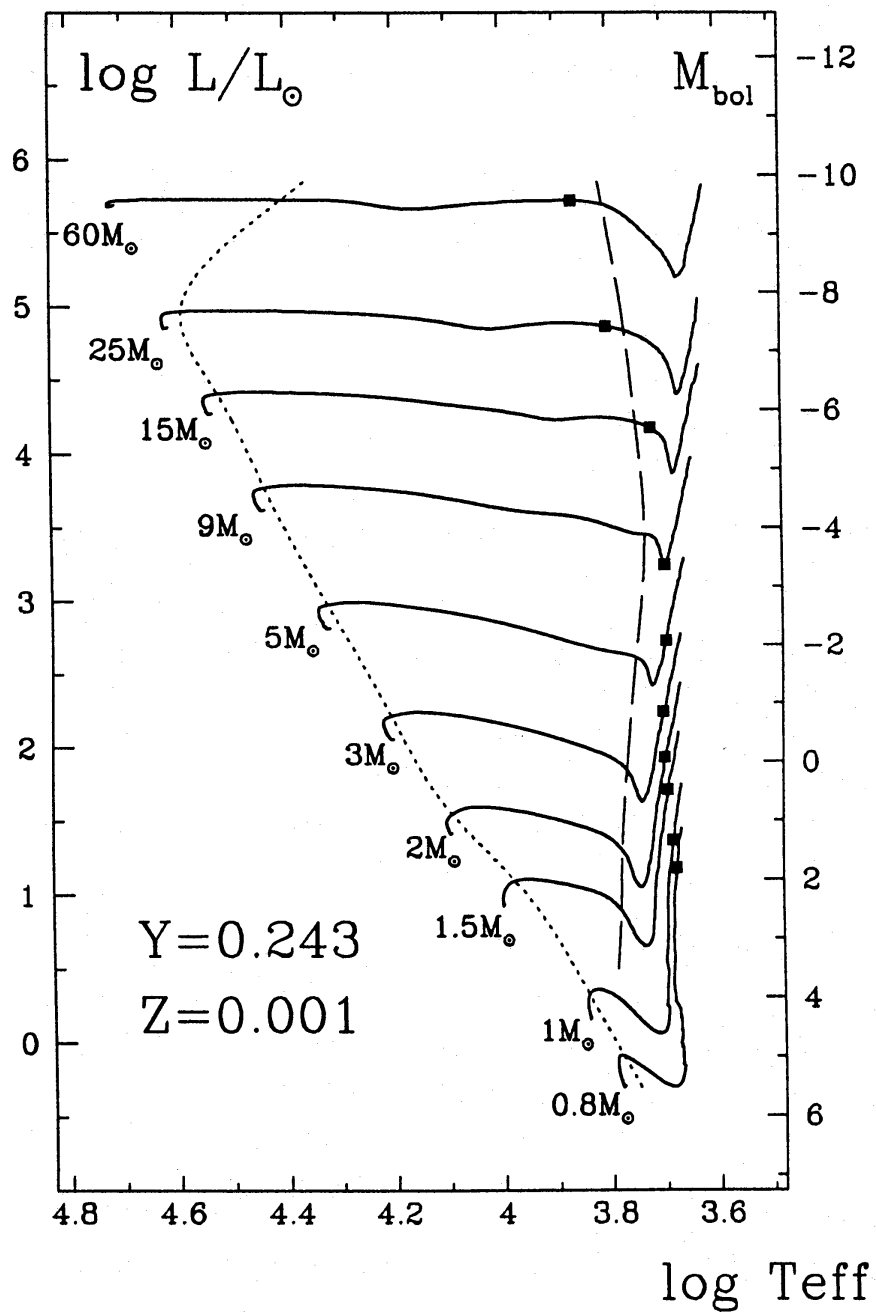
Fig. 1 ALMA maps of the jet, envelope, and disk in the HH 212 system.

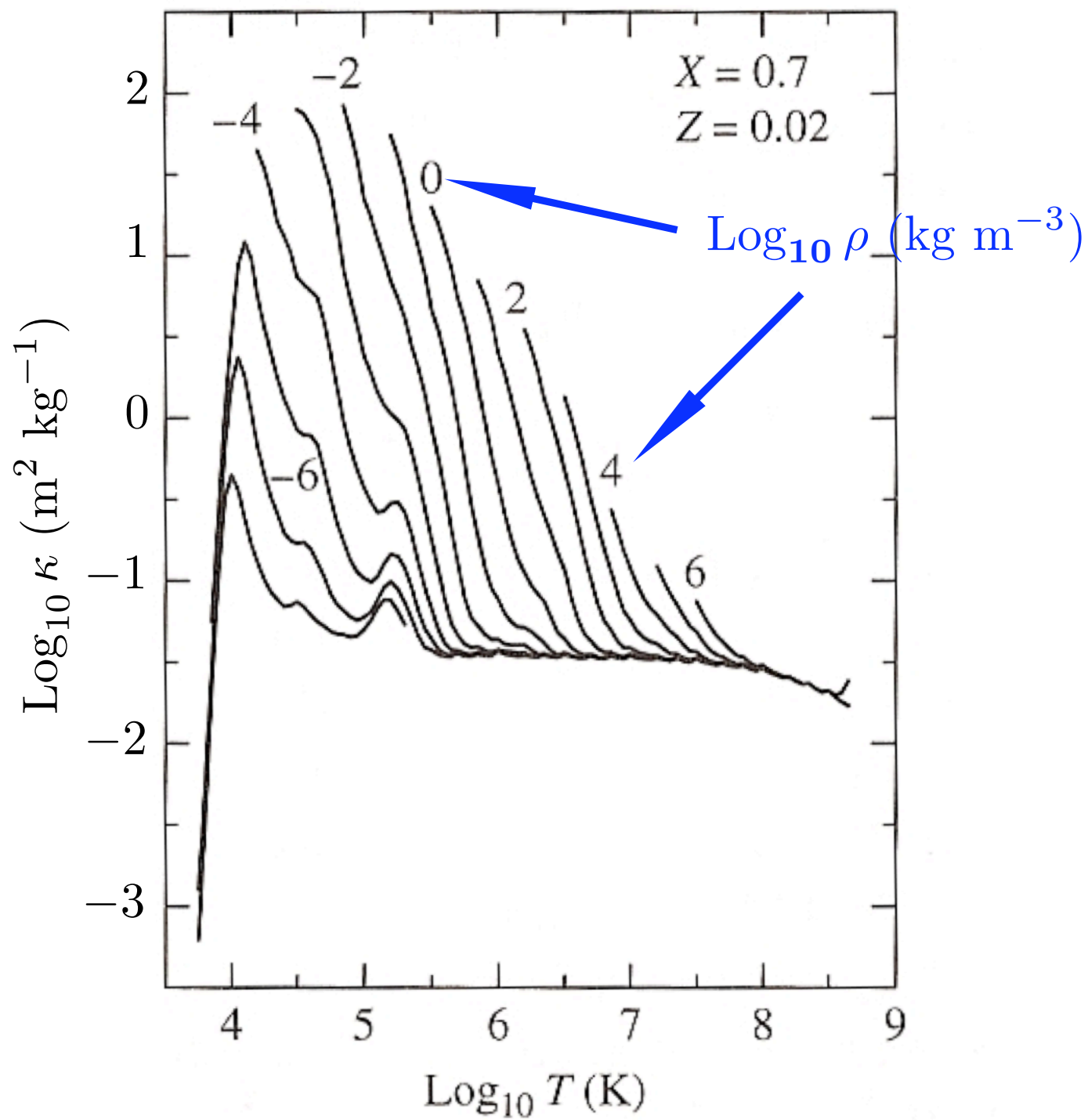


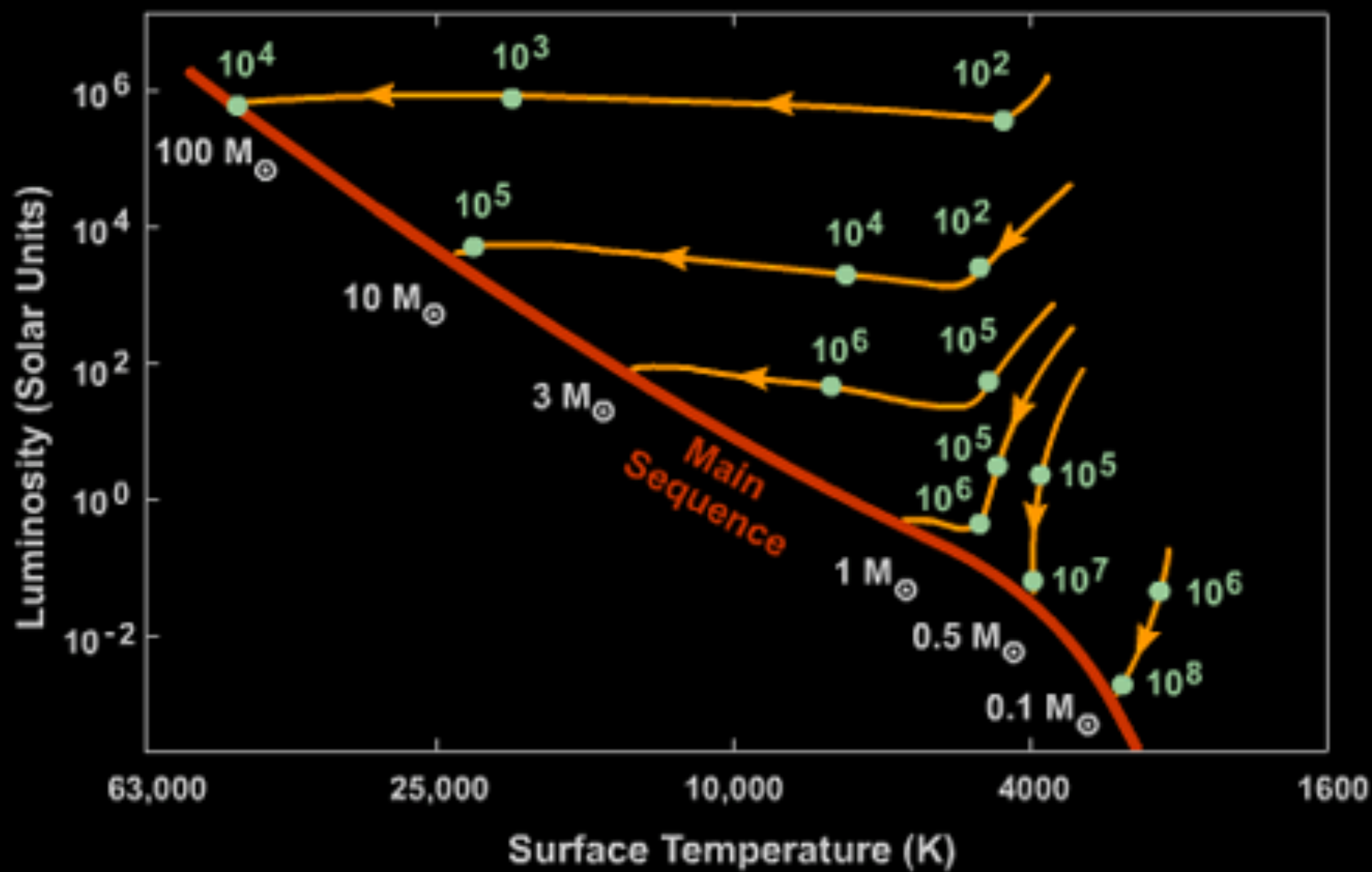


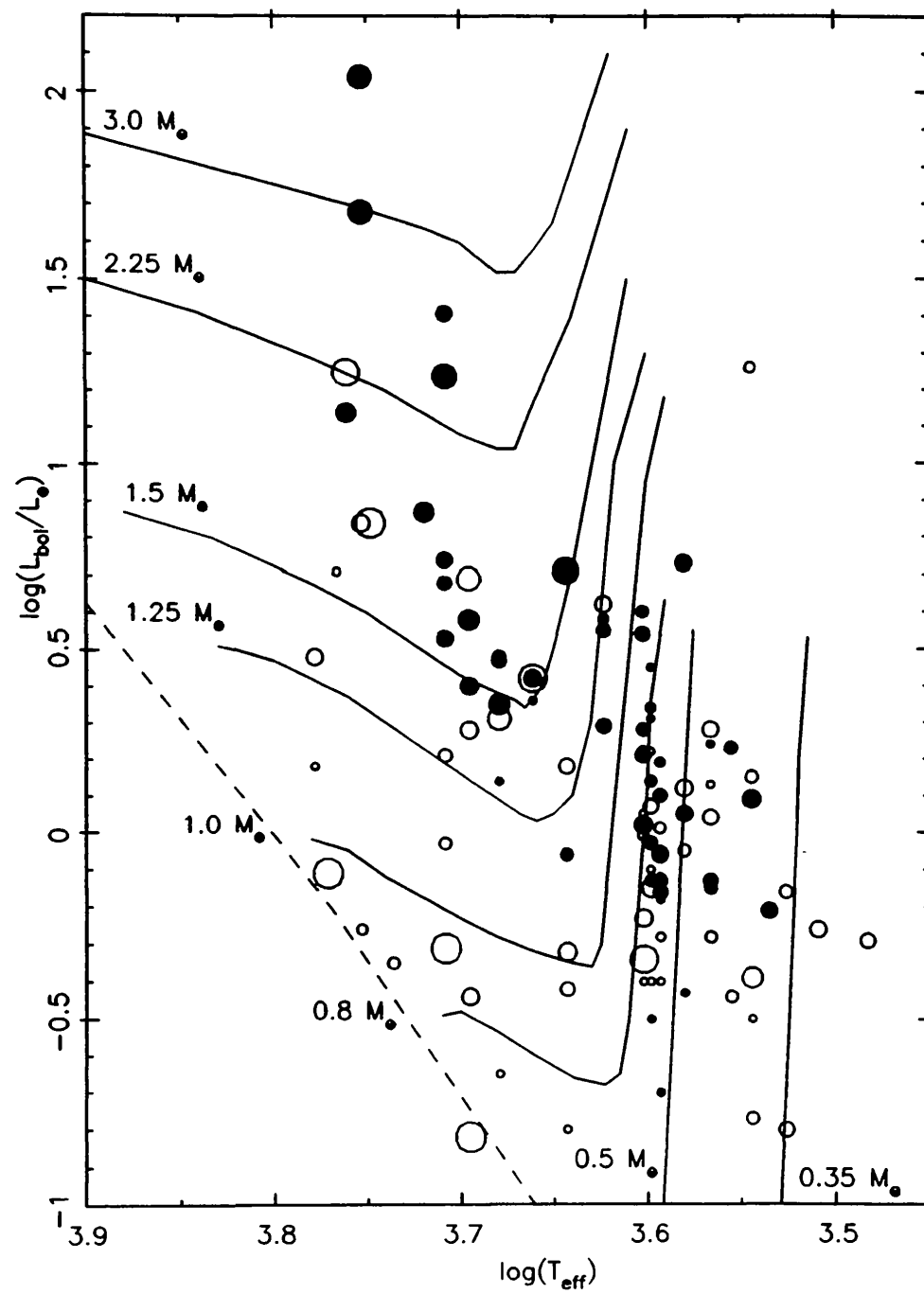
Disks around Young Stars
Hubble Space Telescope • WFPC2













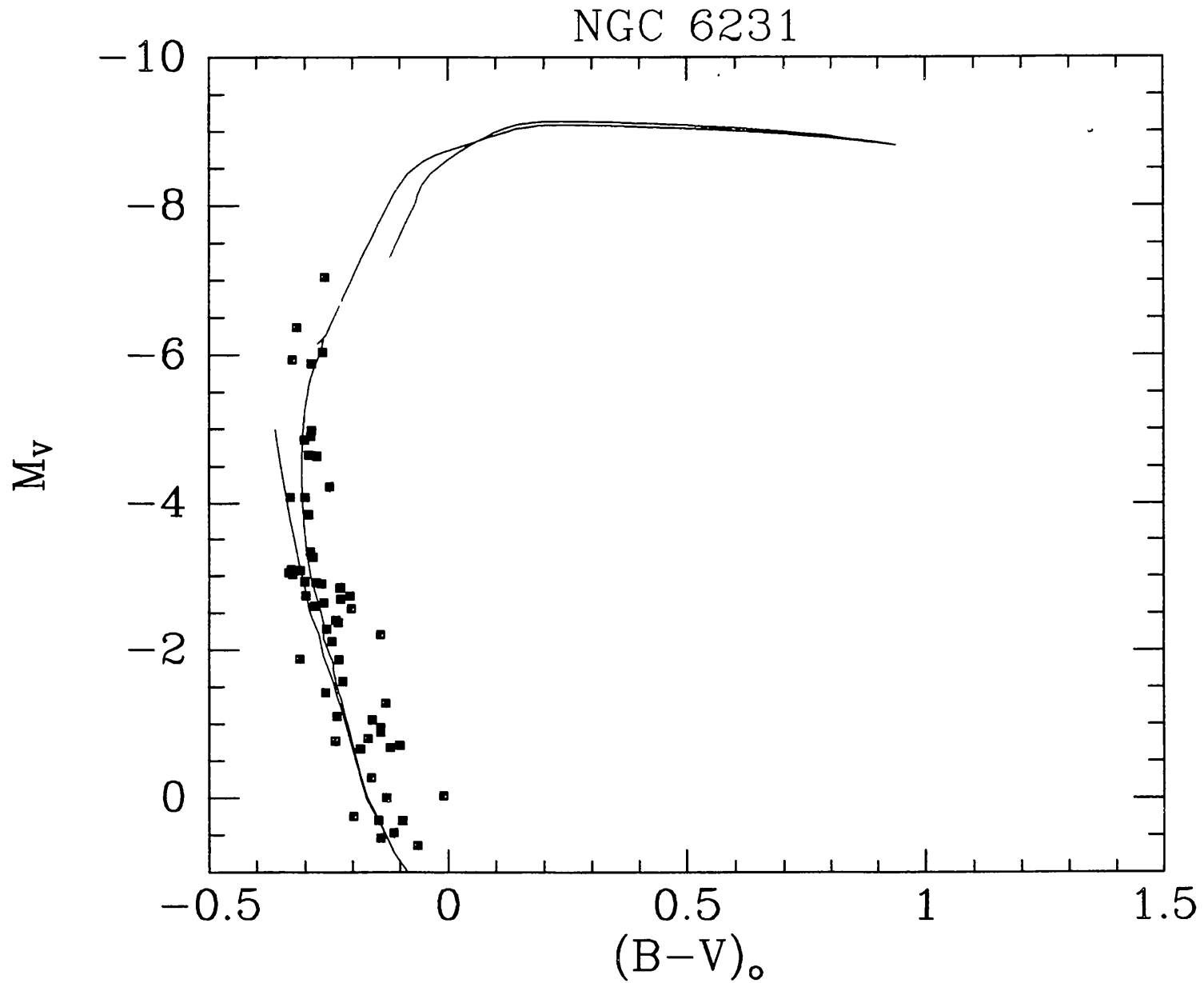
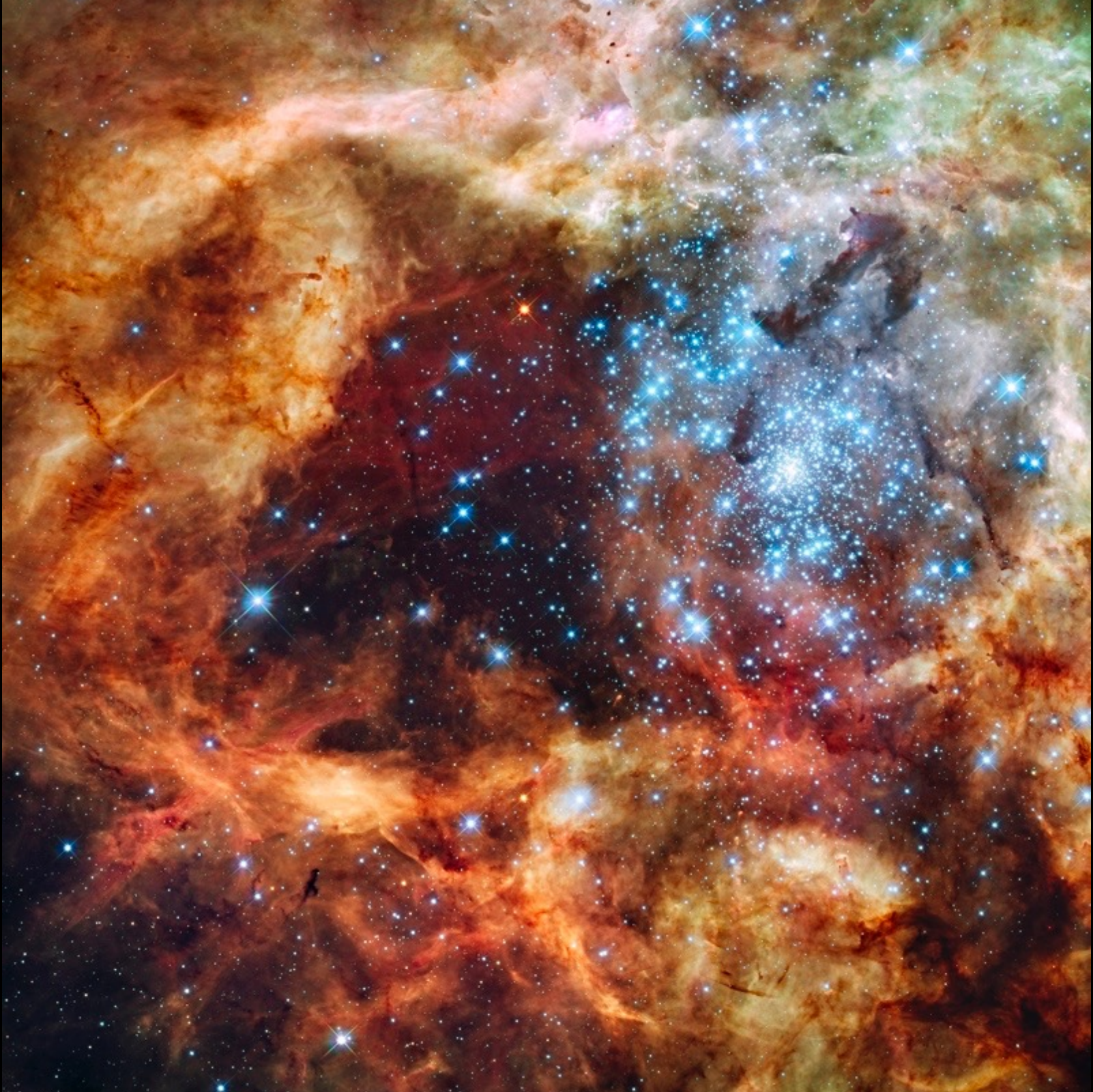


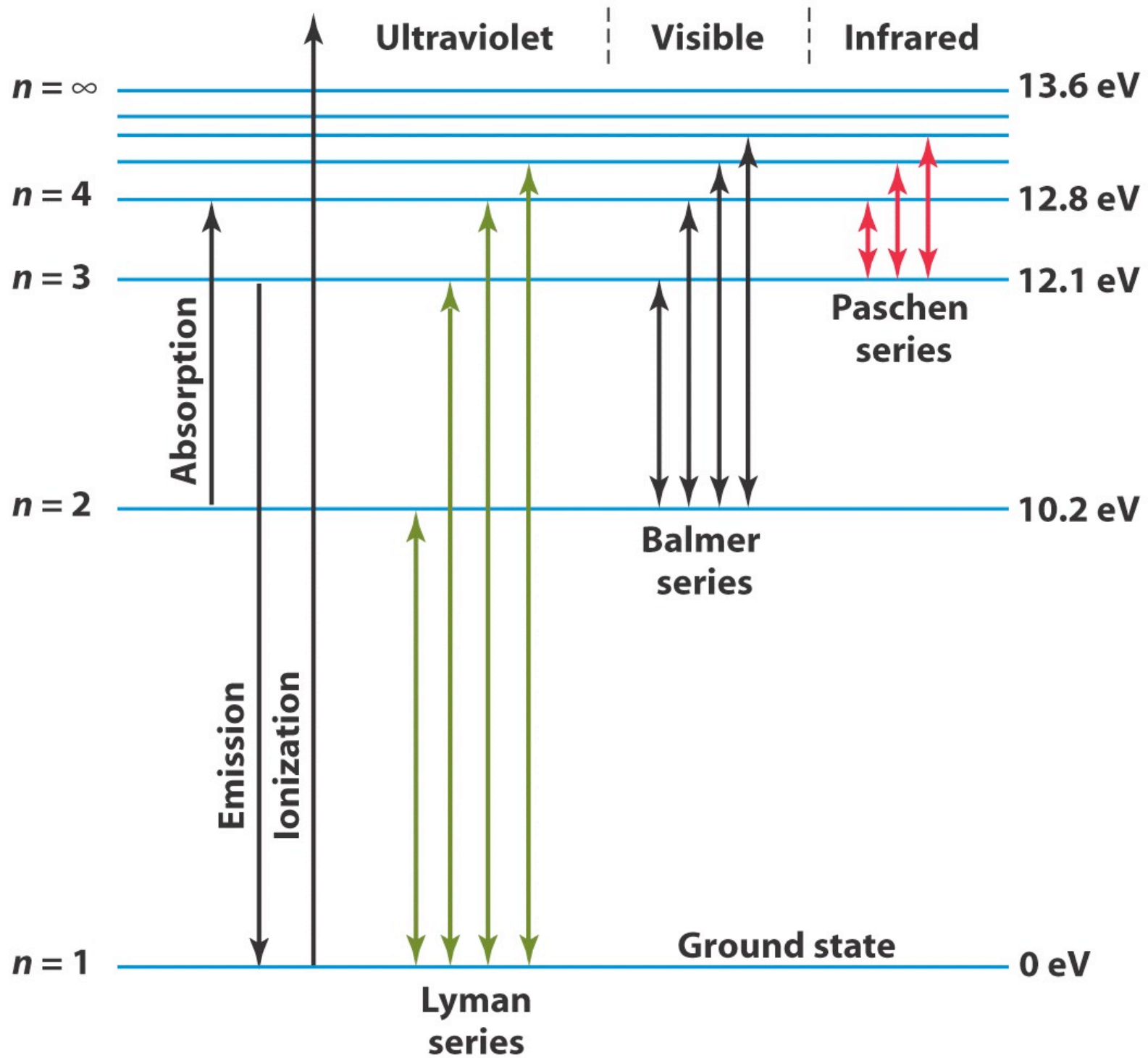
Fig. 10. Same as in Fig. 9 for NGC 6231, $m - M = 12.50$, $E(B - V) = 0.46$, $\log \text{age} = 6.75$

Meynet et al. 1998

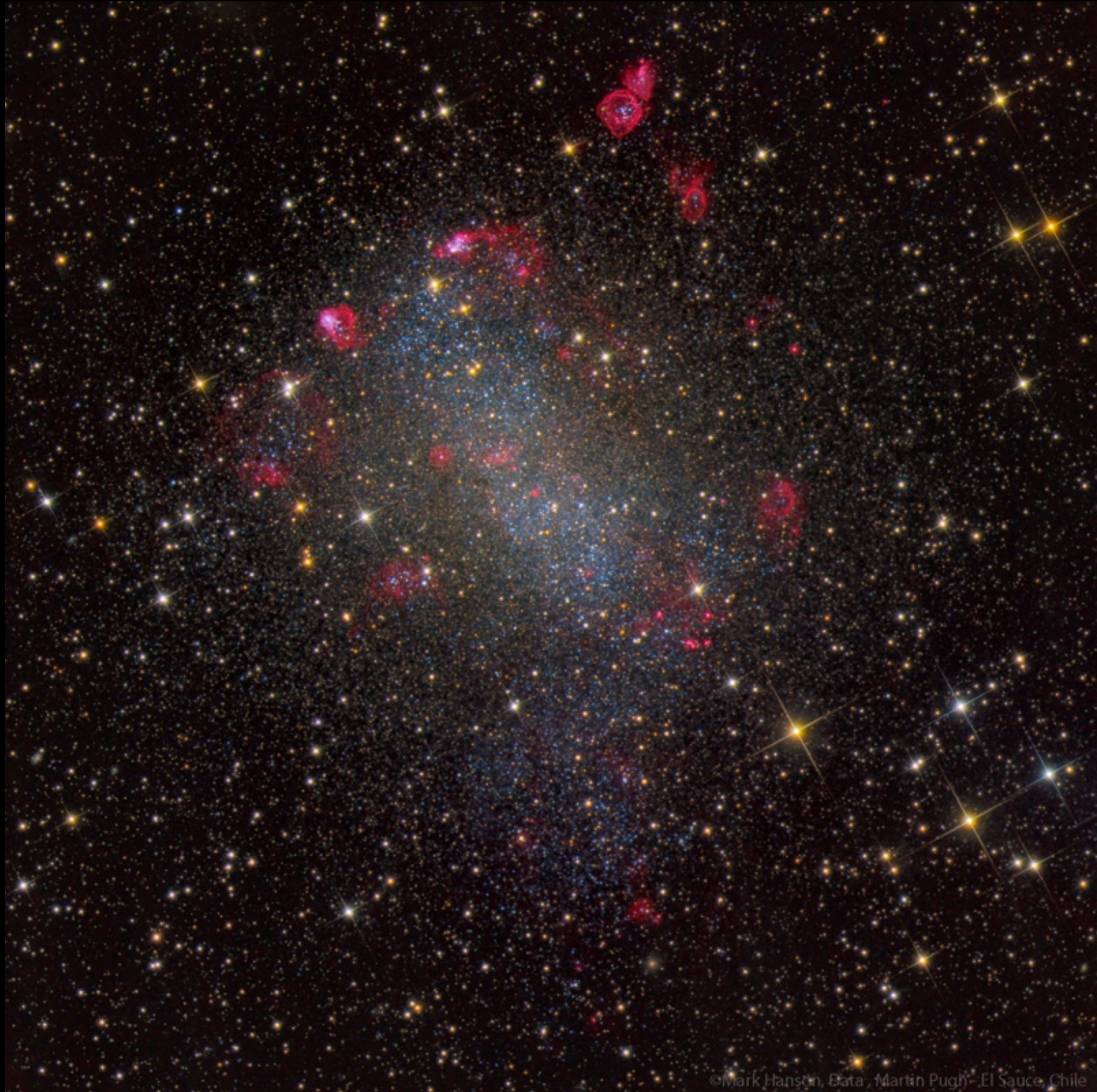


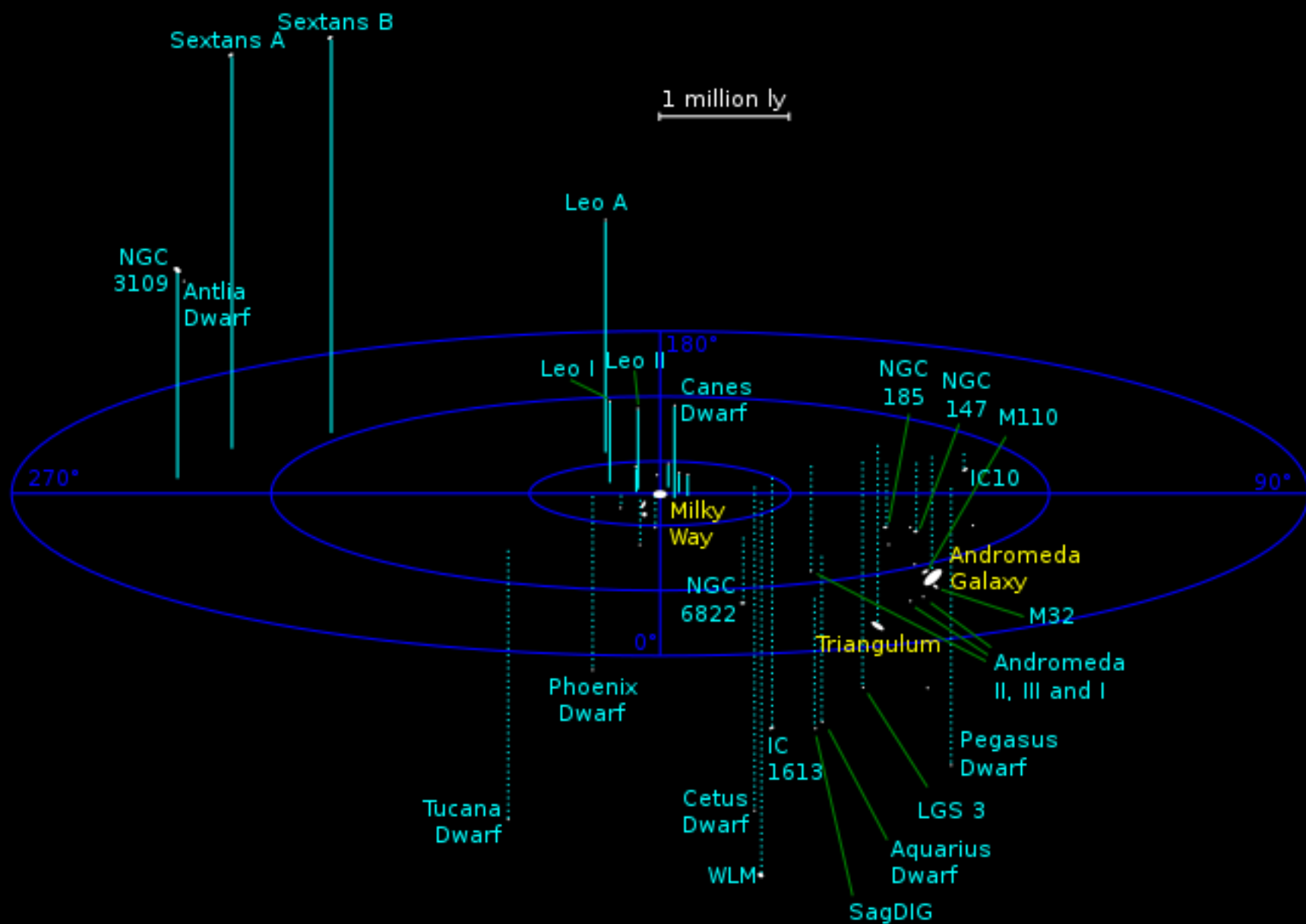


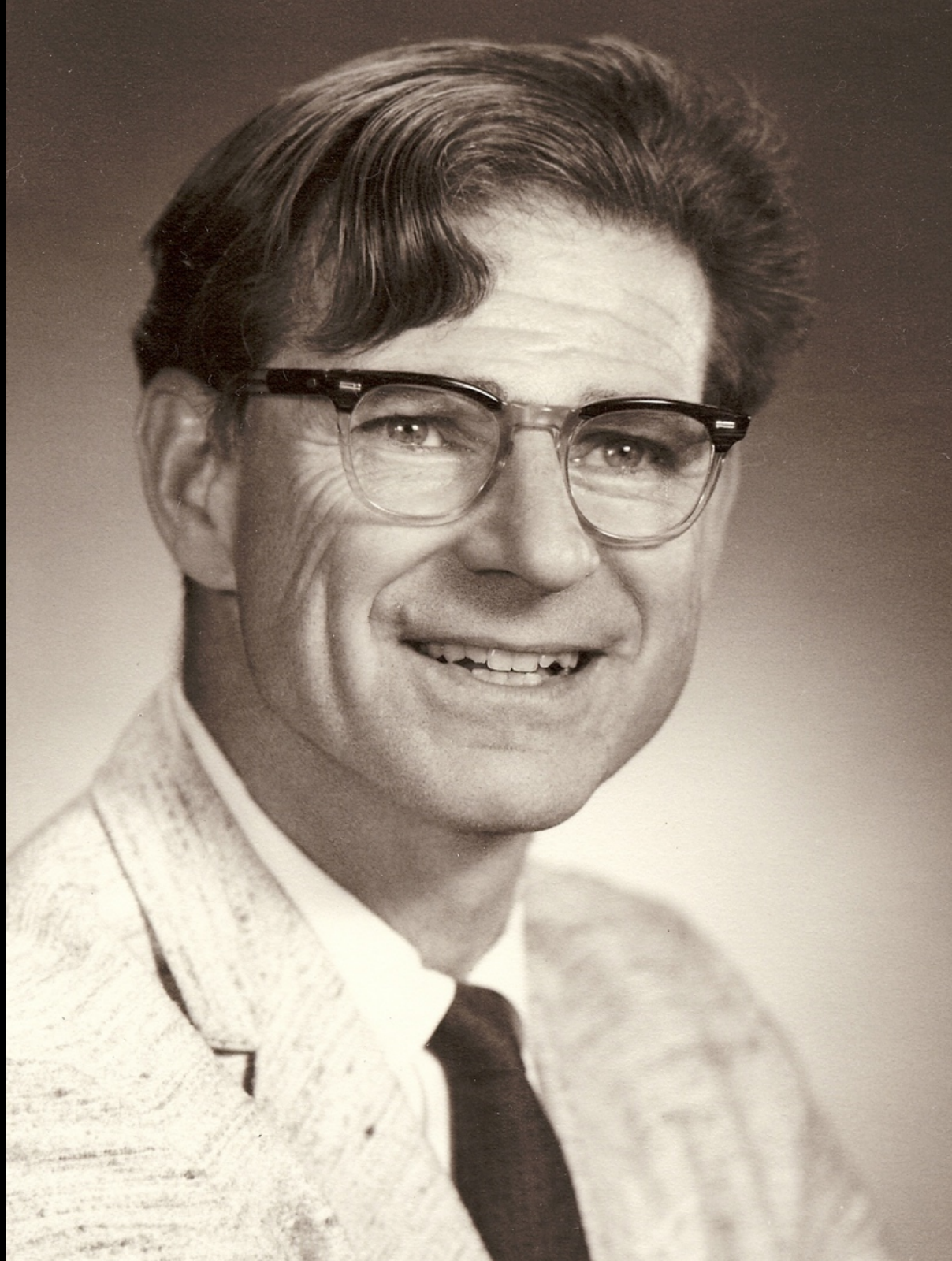


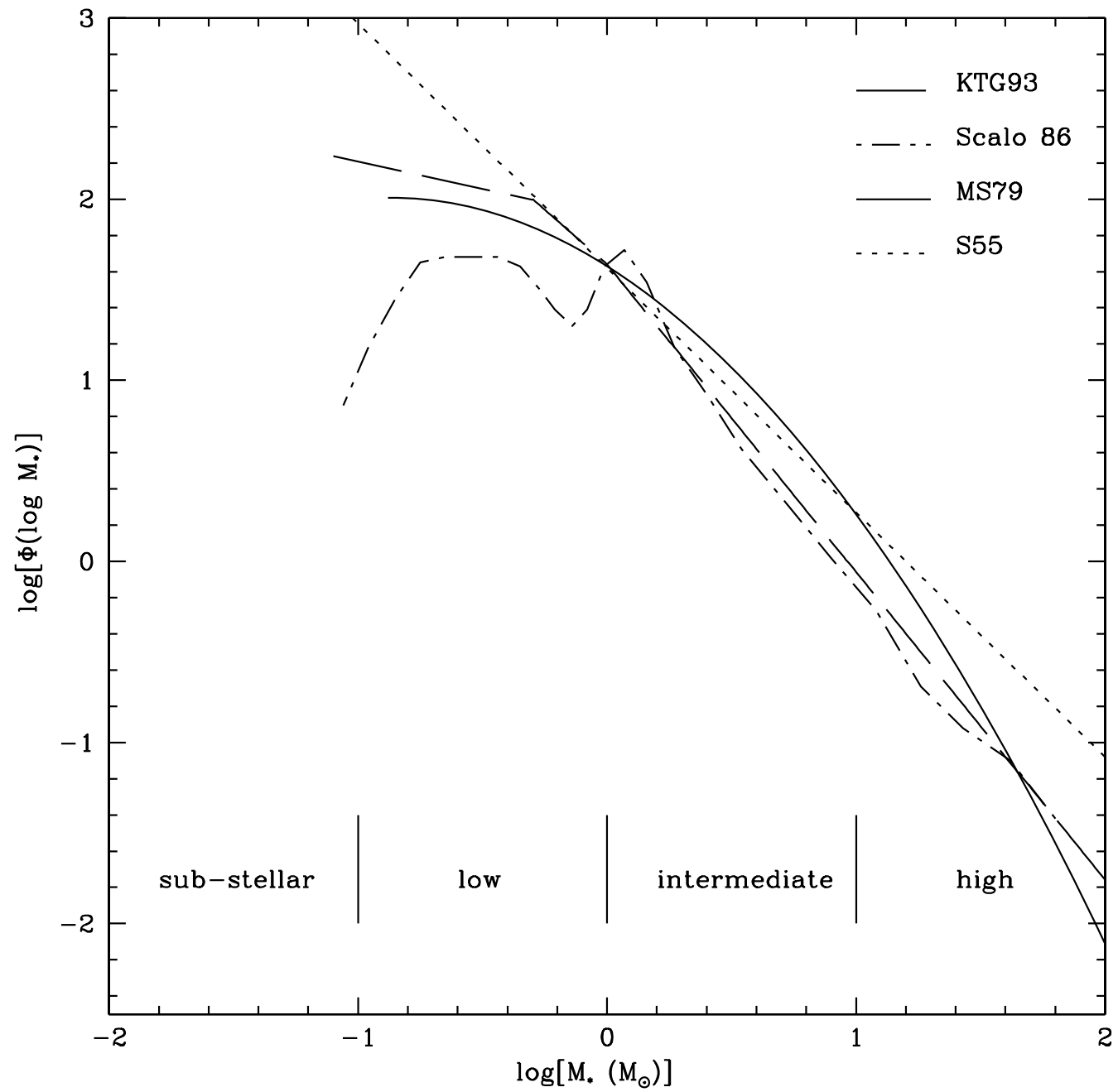














Massey 2003

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