

EVOLVED STARS

We are interested in the evolution and nucleosynthesis of Sun-like stars. Primarily, (1) what happens to them as they age and (2) what elements they produce in their deep interiors. These evolved low- and intermediate-mass stars (up to ~ 8 times the mass of the Sun) are responsible for making half of all the carbon and half of all the heavy elements in the Universe.



A/Prof. Amanda Karakas



Dr. Simon Campbell



Prof. John Lattanzio



Dr. Fan Liu



Dr. Taissa Danilovich



Dr. Carolyn Doherty



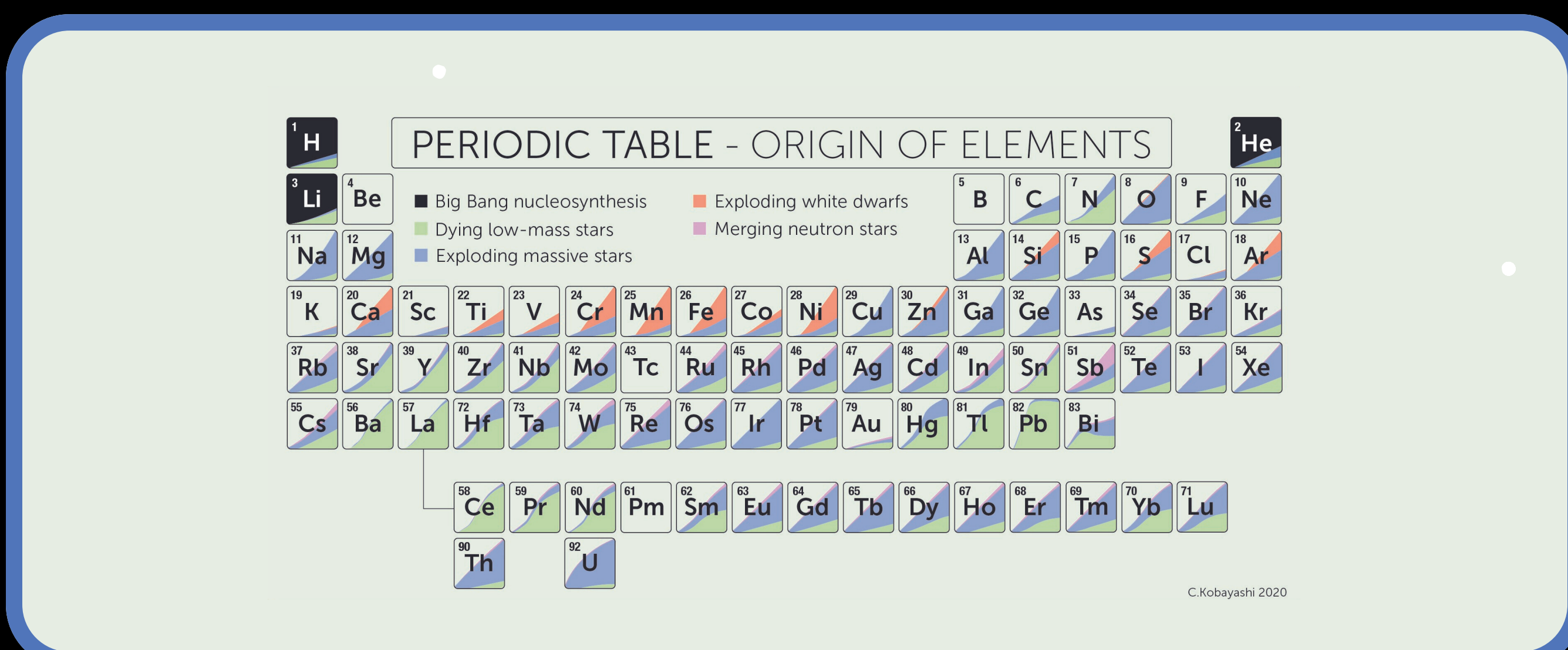
A/Prof. Andy Casey



Dr. Alex Wallace

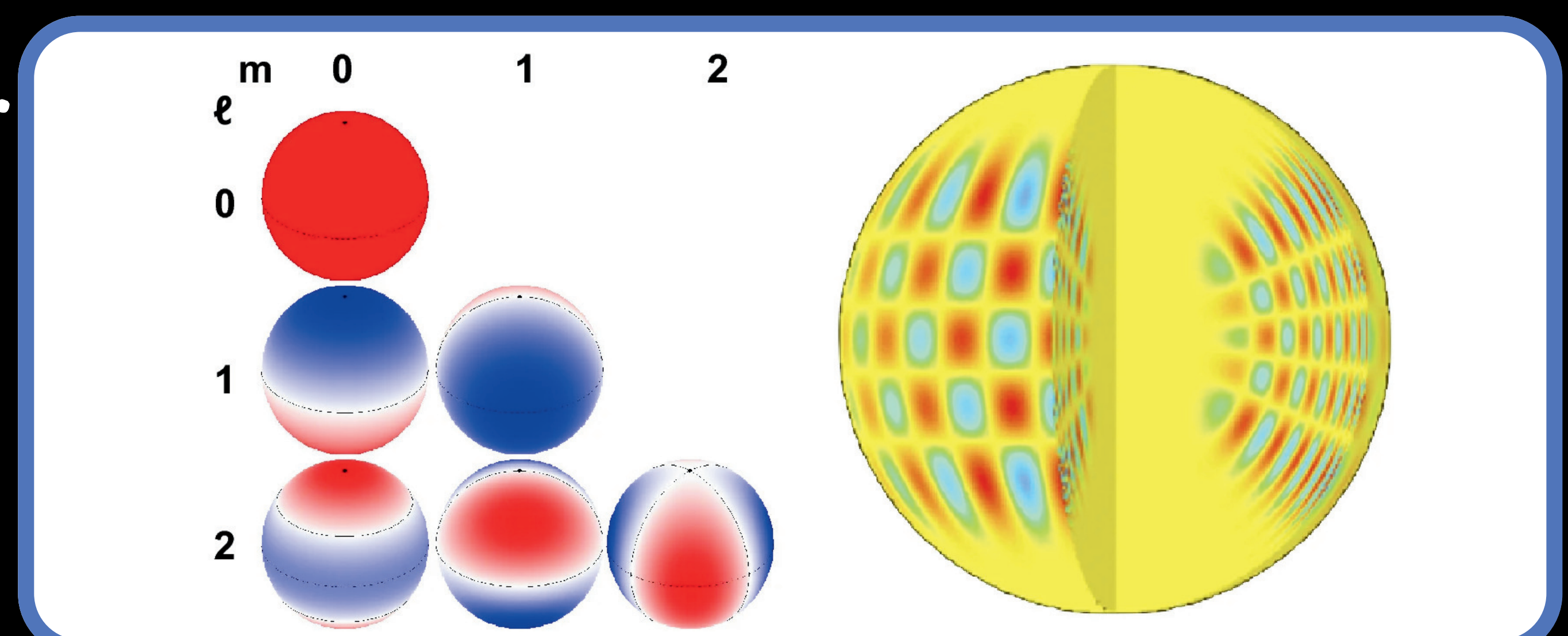
STELLAR EVOLUTION & NUCLEOSYNTHESIS

Karakas, Lattanzio, Doherty and Campbell



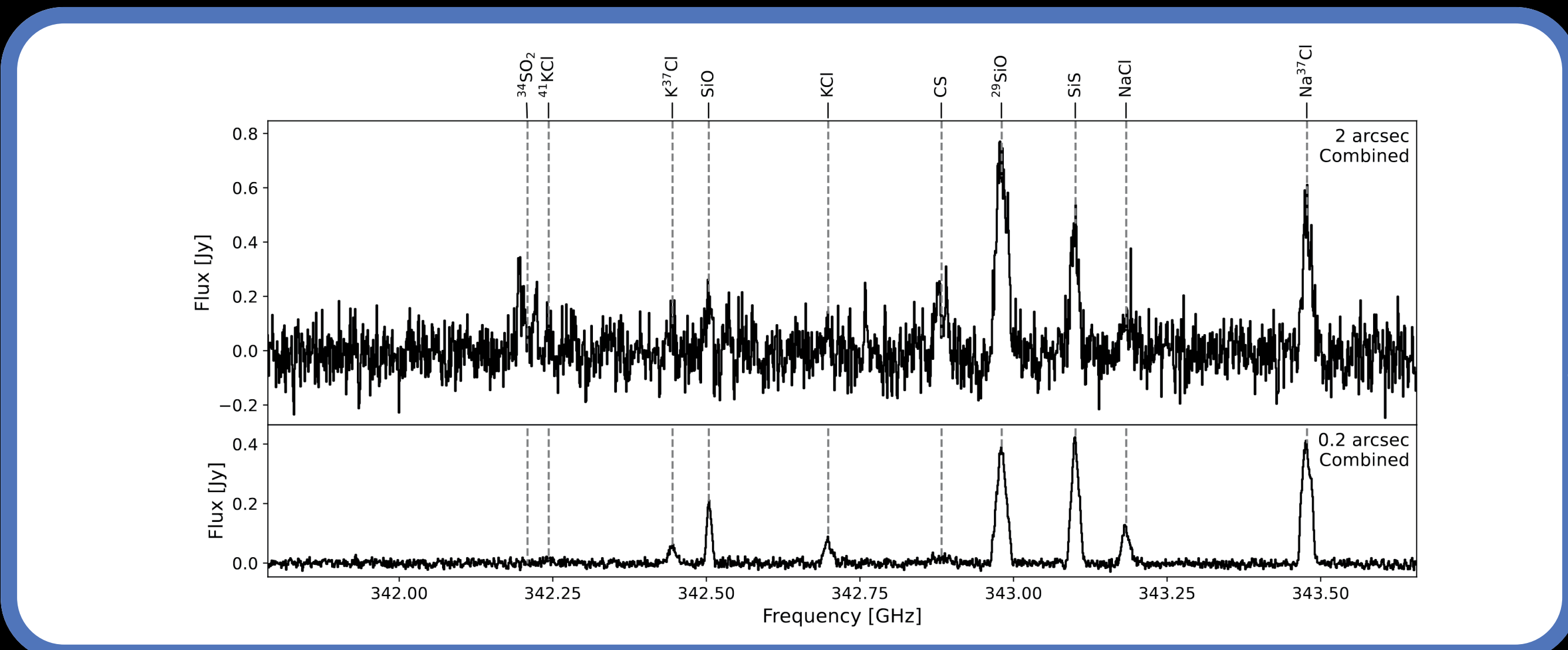
ASTEROSEISMOLOGY

Campbell, Casey



SUB MM OBSERVATIONS

Danilovich



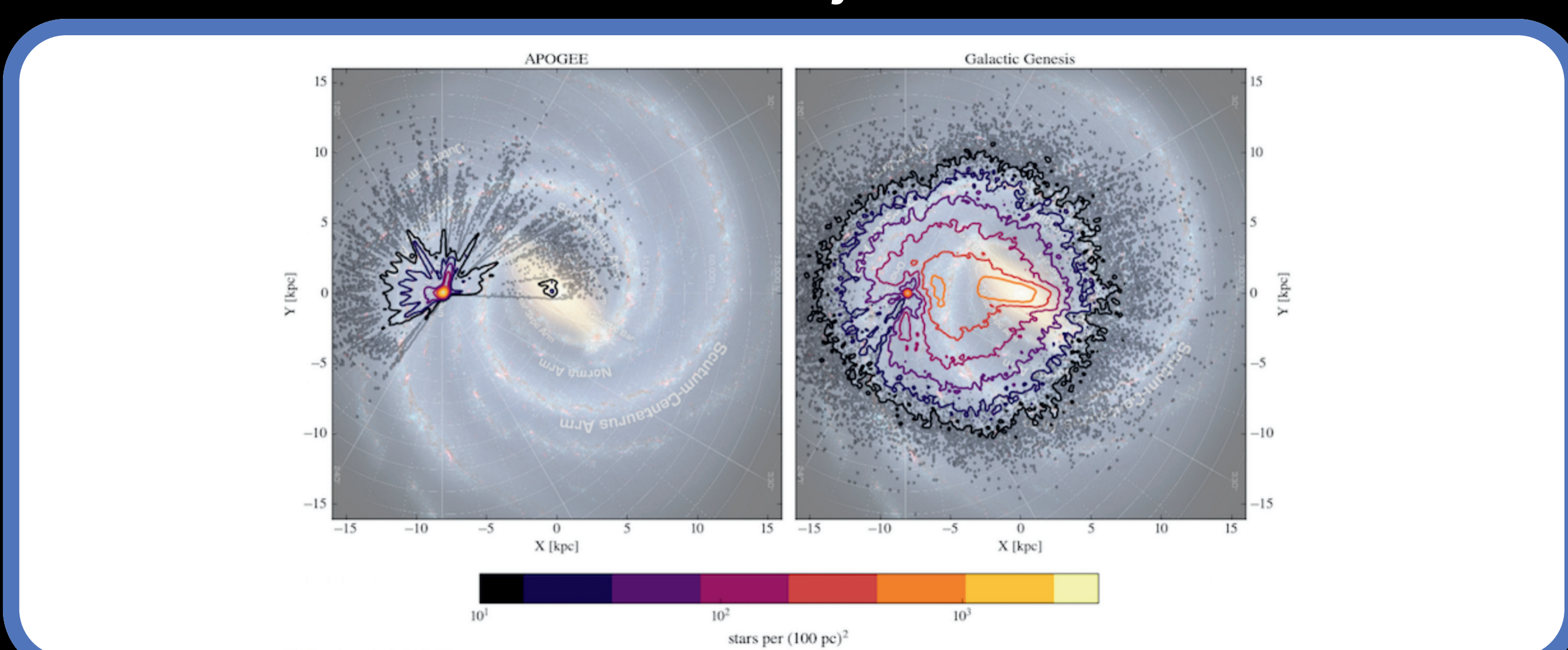
OPTICAL & INFRARED OBS.

Casey, Danilovich, Liu, Wallace and Campbell



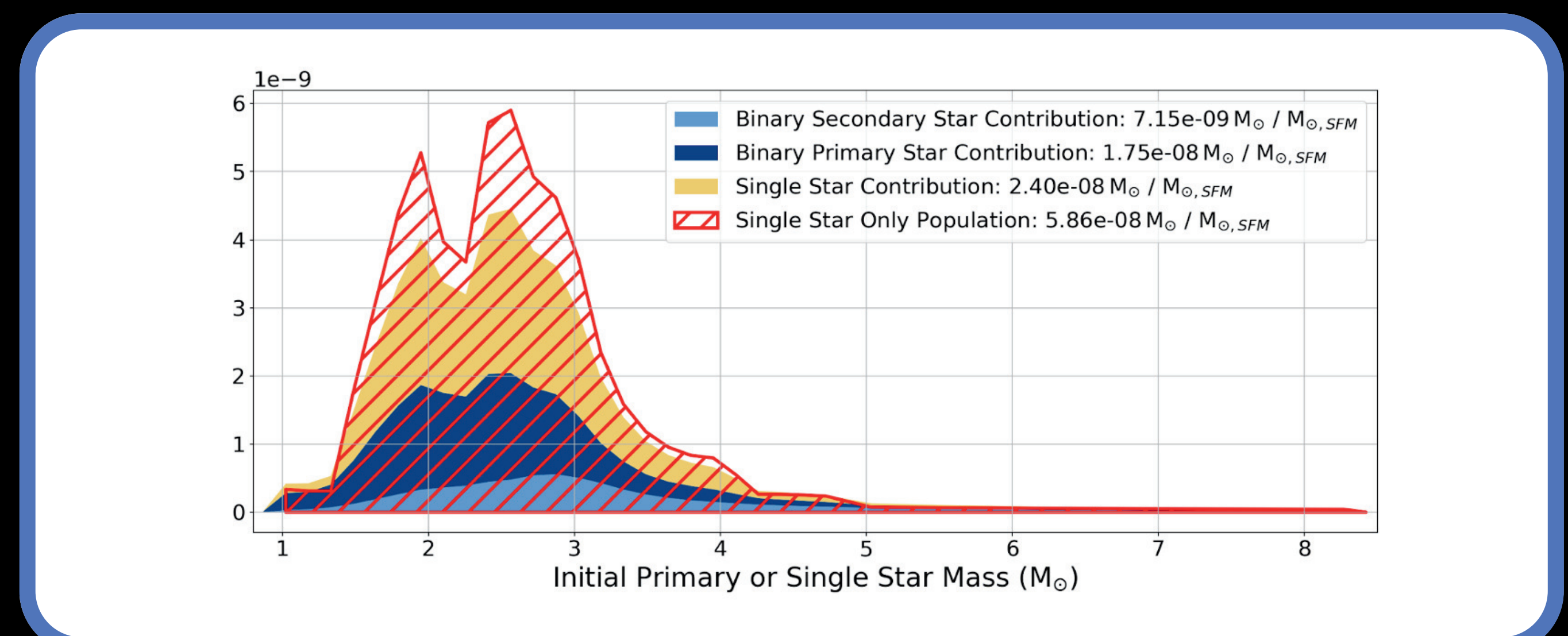
DATA ANALYSIS & MACHINE LEARNING

Casey



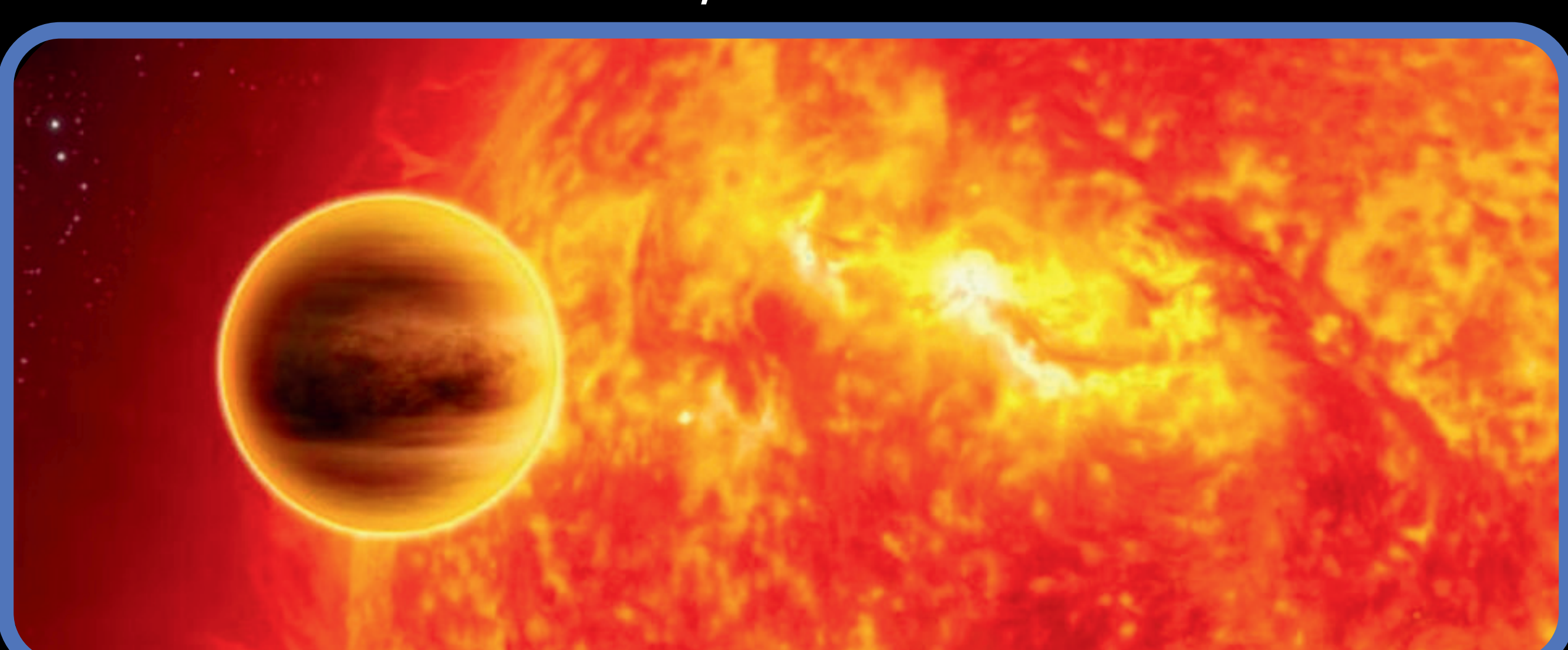
BINARY STARS

Karakas, Casey and Danilovich



STAR-PLANET CONNECTION

Liu, Danilovich



PLANETS & STELLAR WINDS

Danilovich

