



Do flares drive global oscillations in Sun-like stars?

Karoff Christoffer

University of Aarhus, Denmark (karoff@phys.au.dk)

The energy in the solar acoustic spectrum is known to be correlated with flares, but it is not known if the same is true for stellar flares? In order to answer this question, we have analyzed 73 flares in 39 solar-like stars. These flares were identified in the 854 solar-like stars observed by the Kepler spacecraft that have stellar parameters measured with asteroseismology.

These stellar parameters also allow us to study the frequency of flares as function of i.e. rotation rate, activity level and age with the goal of increasing our understanding of the dynamo mechanism behind activity on Sun-like stars in general.