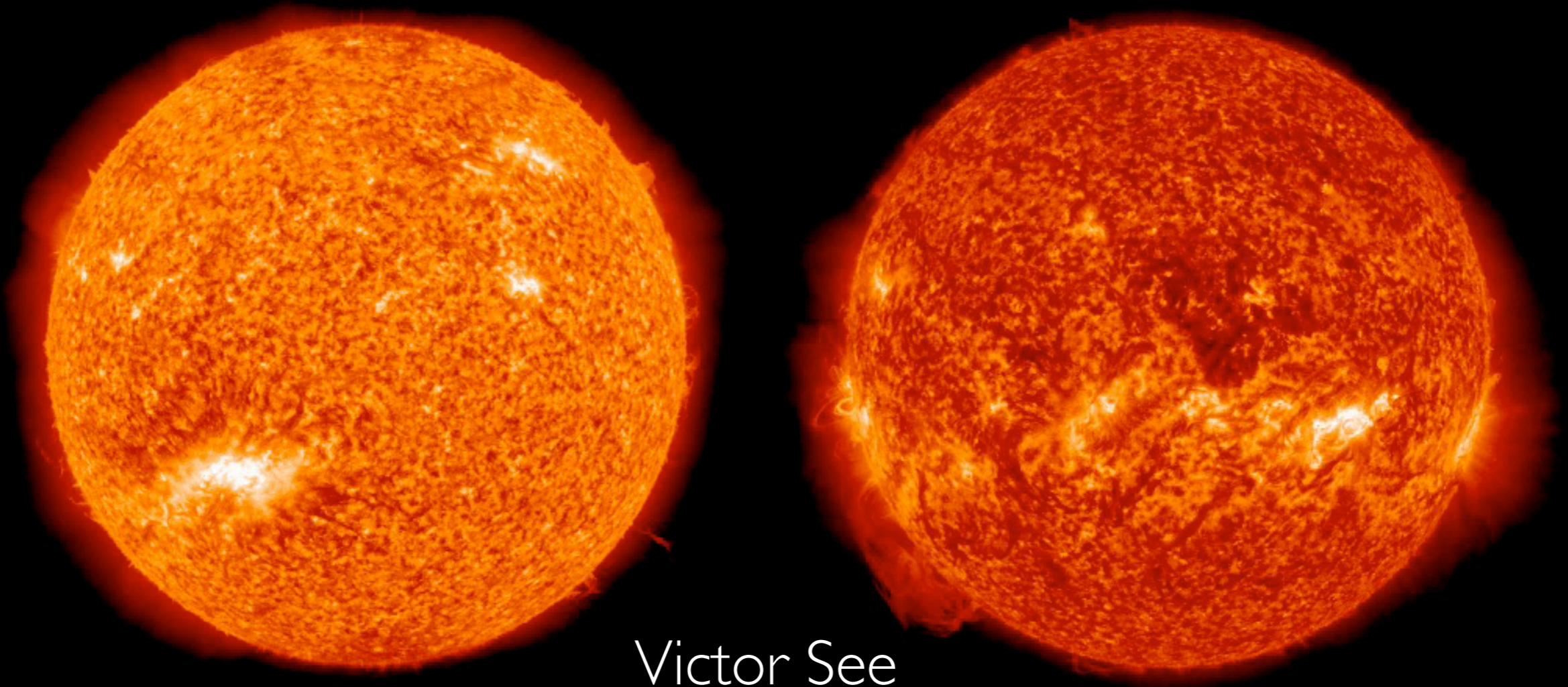


What can we learn about stellar activity cycles from ZDI?



Victor See

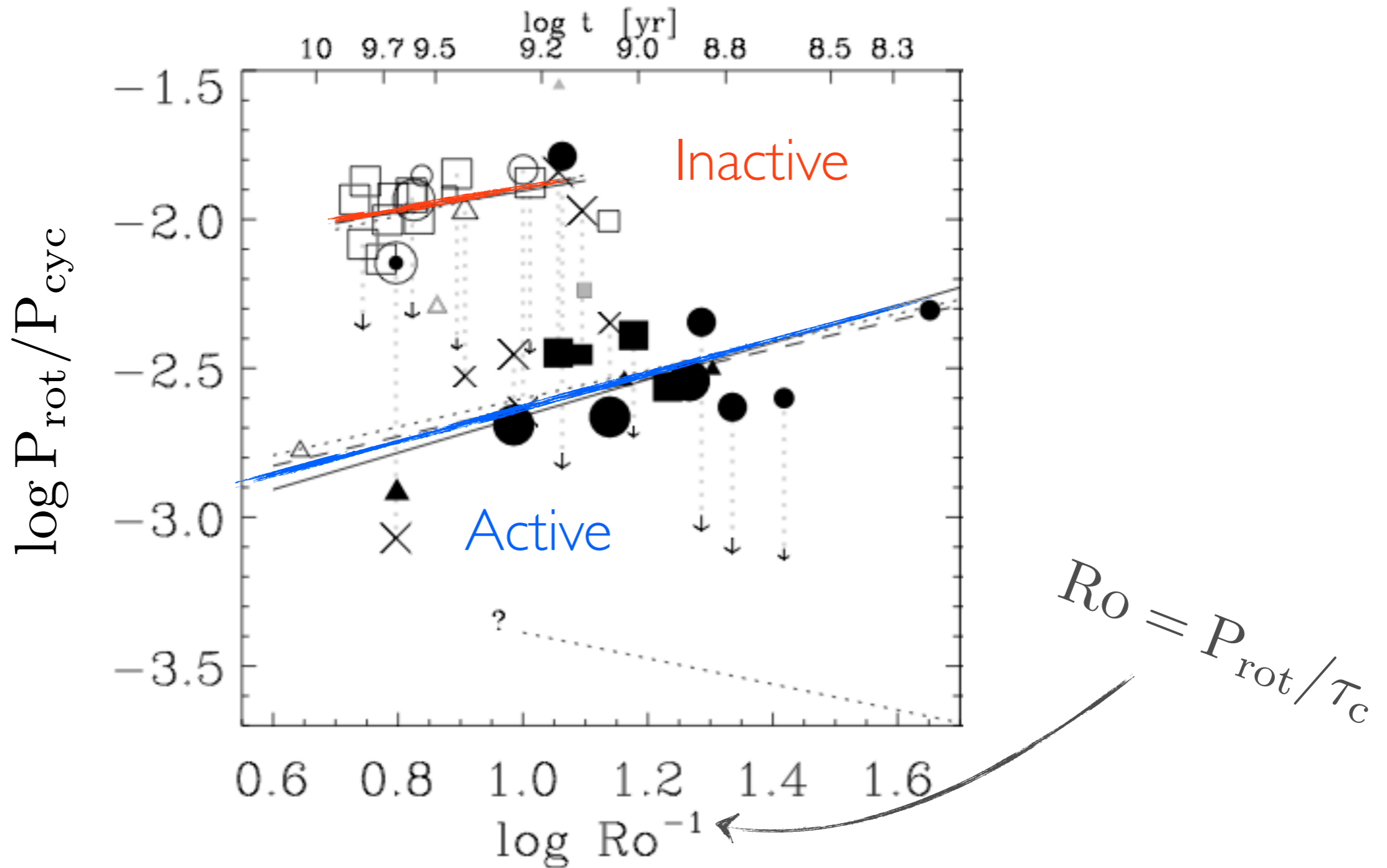
Cool Stars 19, Uppsala

M. Jardine, A. Vidotto, J.-F. Donati, S. Boro Saikia, J. Bouvier, R. Fares,
C. Folsom, S. Gregory, G. Hussain, S. Jeffers, S. Marsden, J. Morin,
C. Moutou, J.D. do Nascimento, P. Petit, I. Waite + BCool



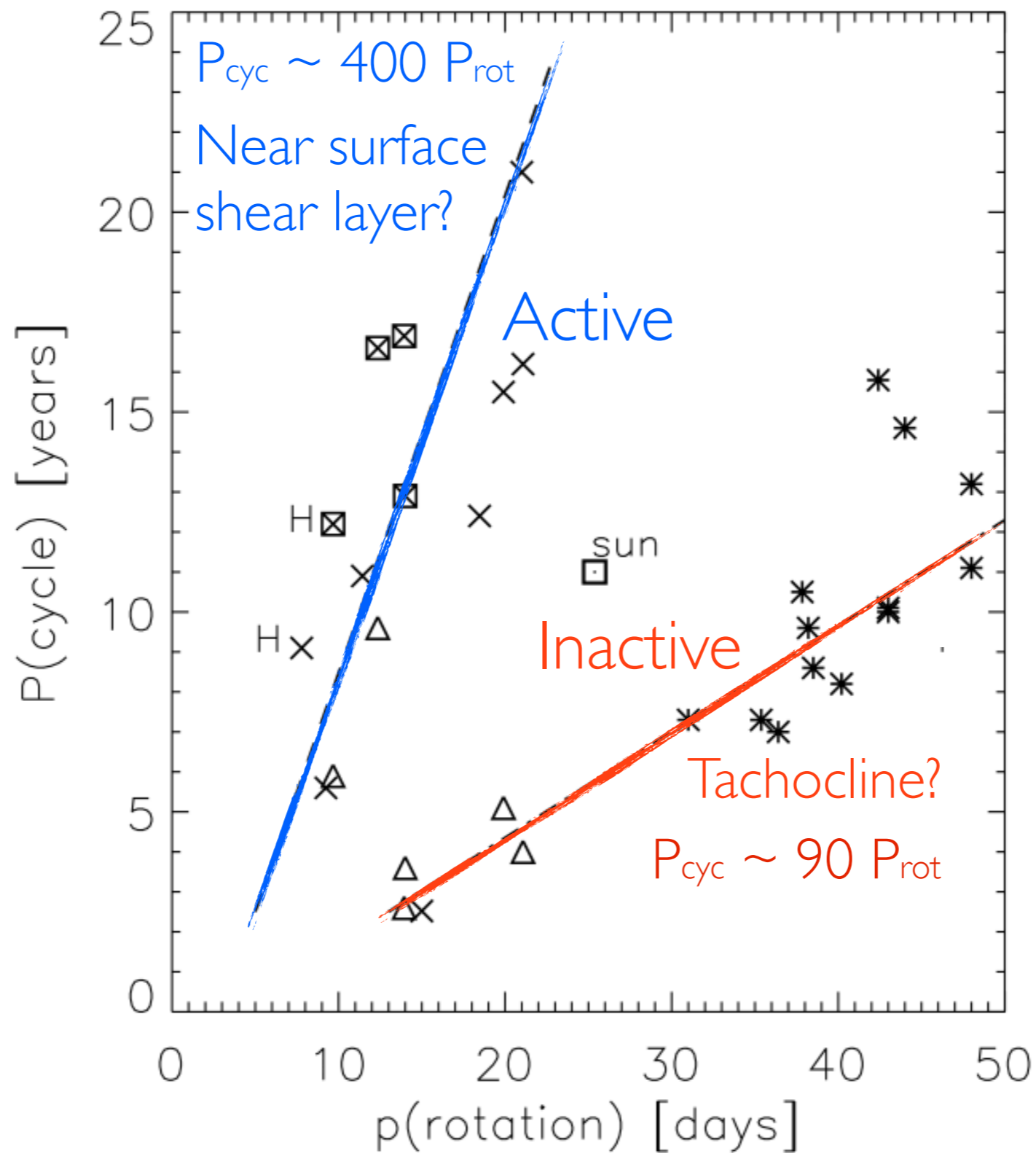
University of
St Andrews | FOUNDED
1413 |

Activity branches

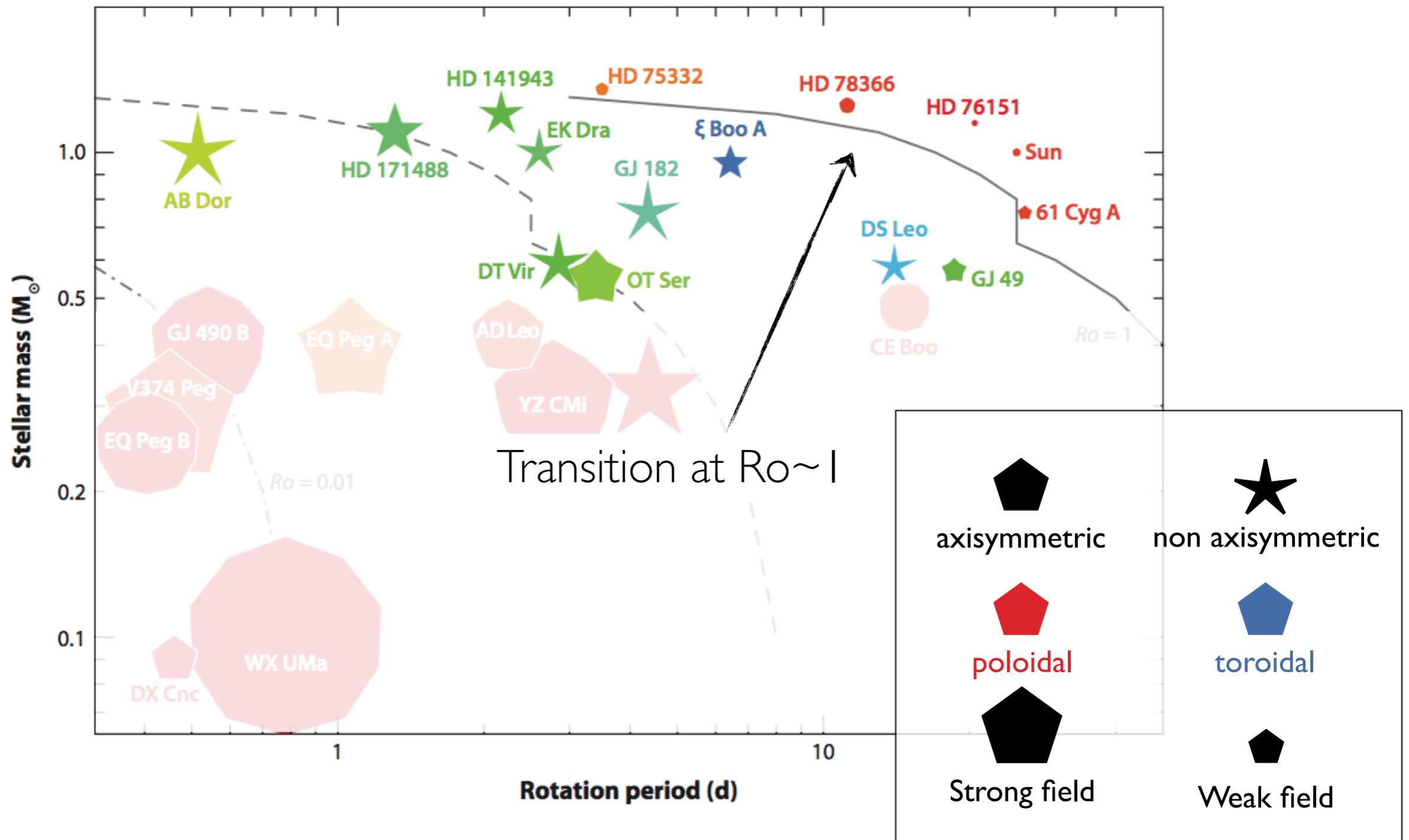


Stars seem to appear on two branches in this parameter space

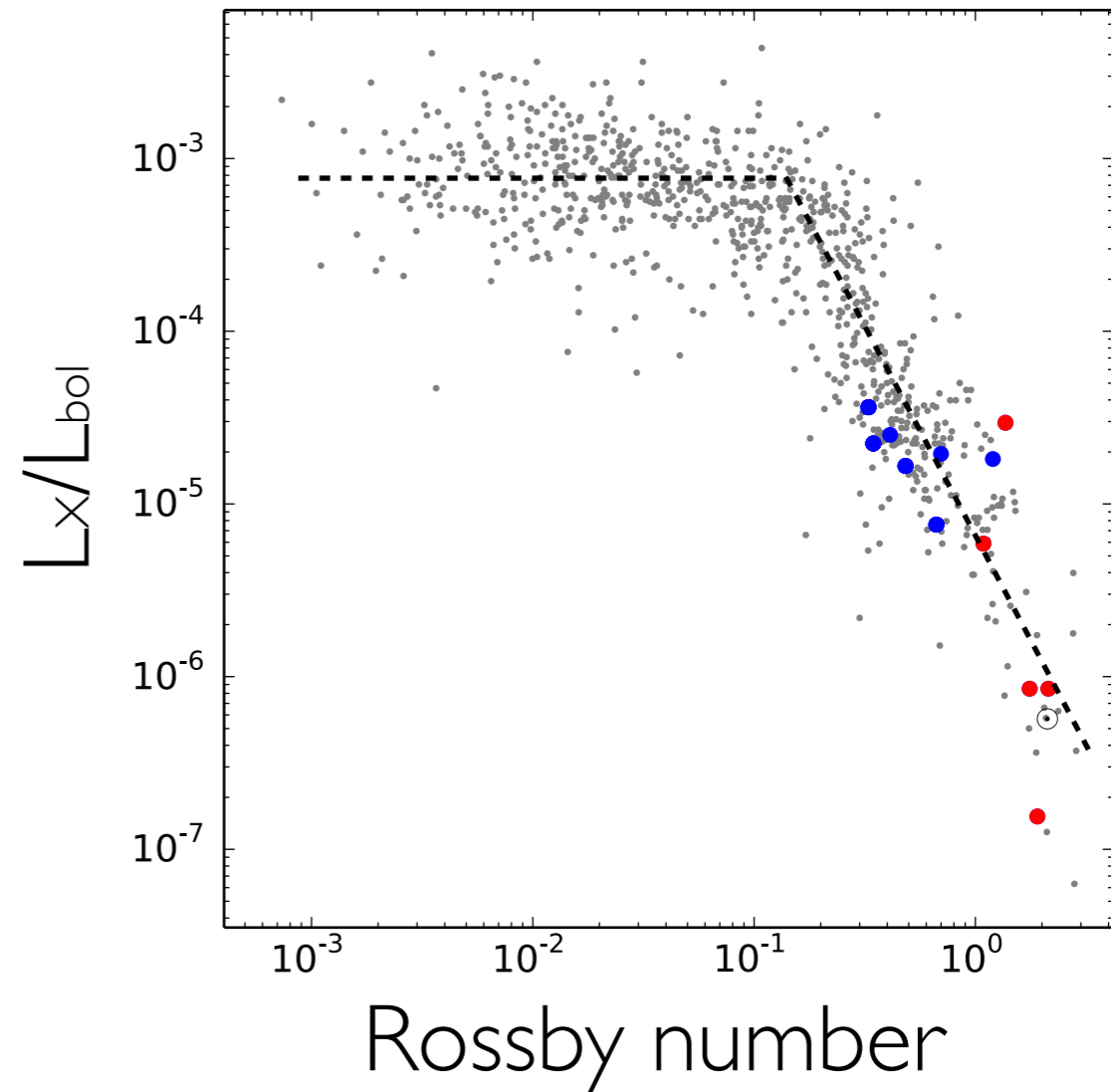
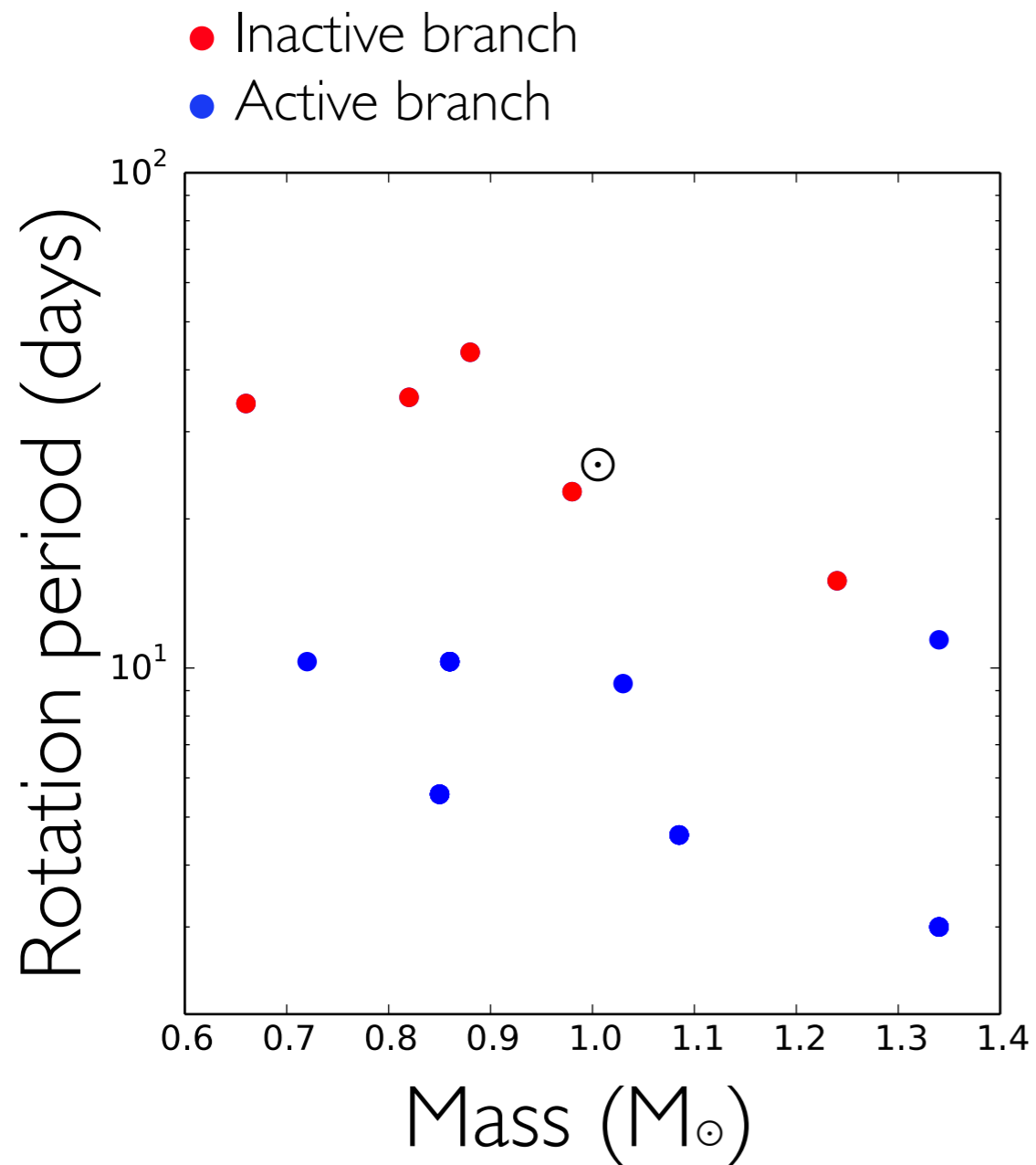
Activity branches



Zeeman-Doppler imaging

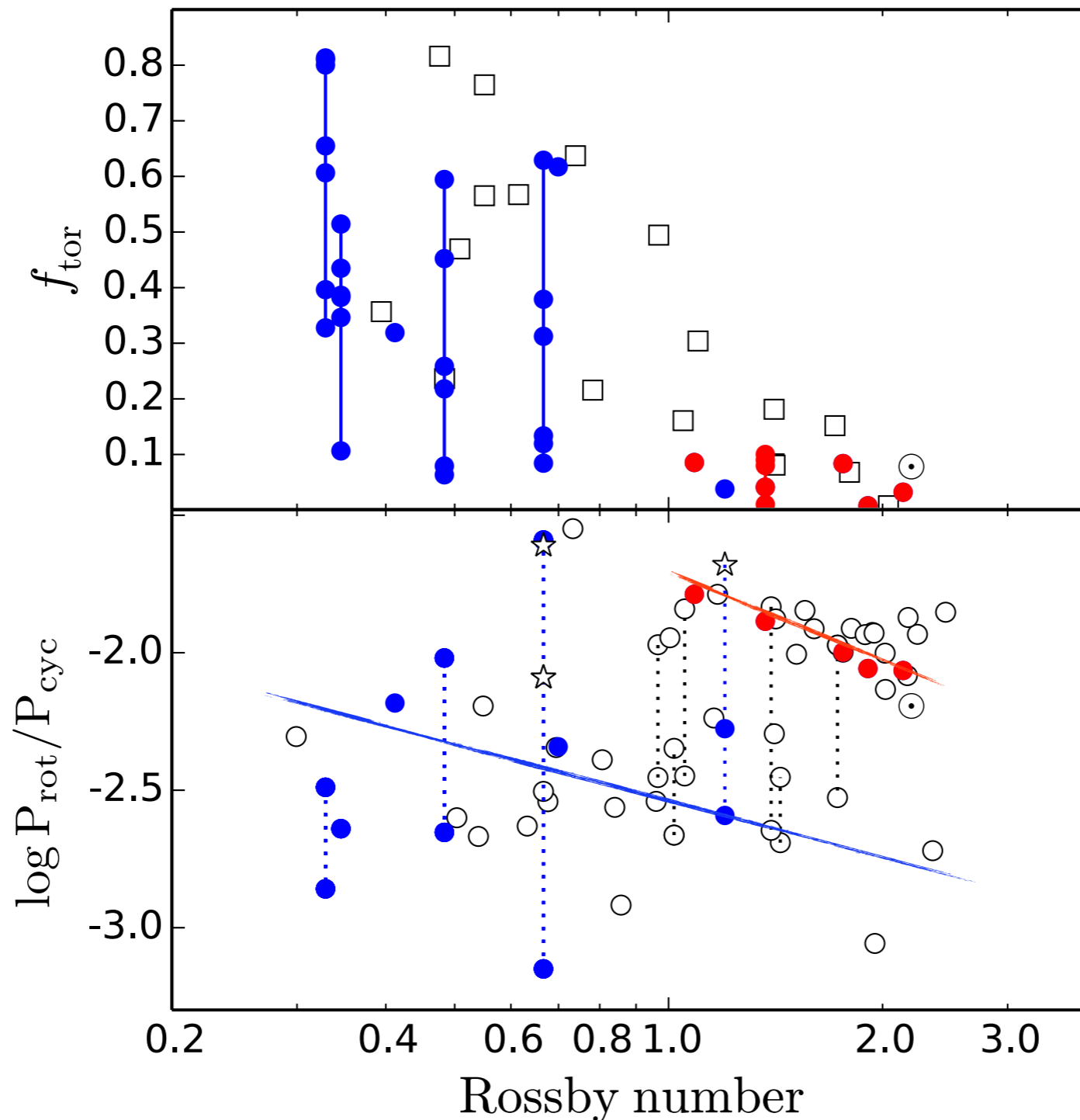


Sample + BCooll collaboration

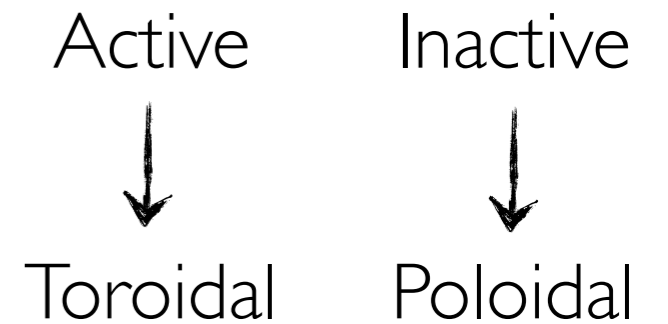


Field geometry on branches

- Inactive branch
- Active branch

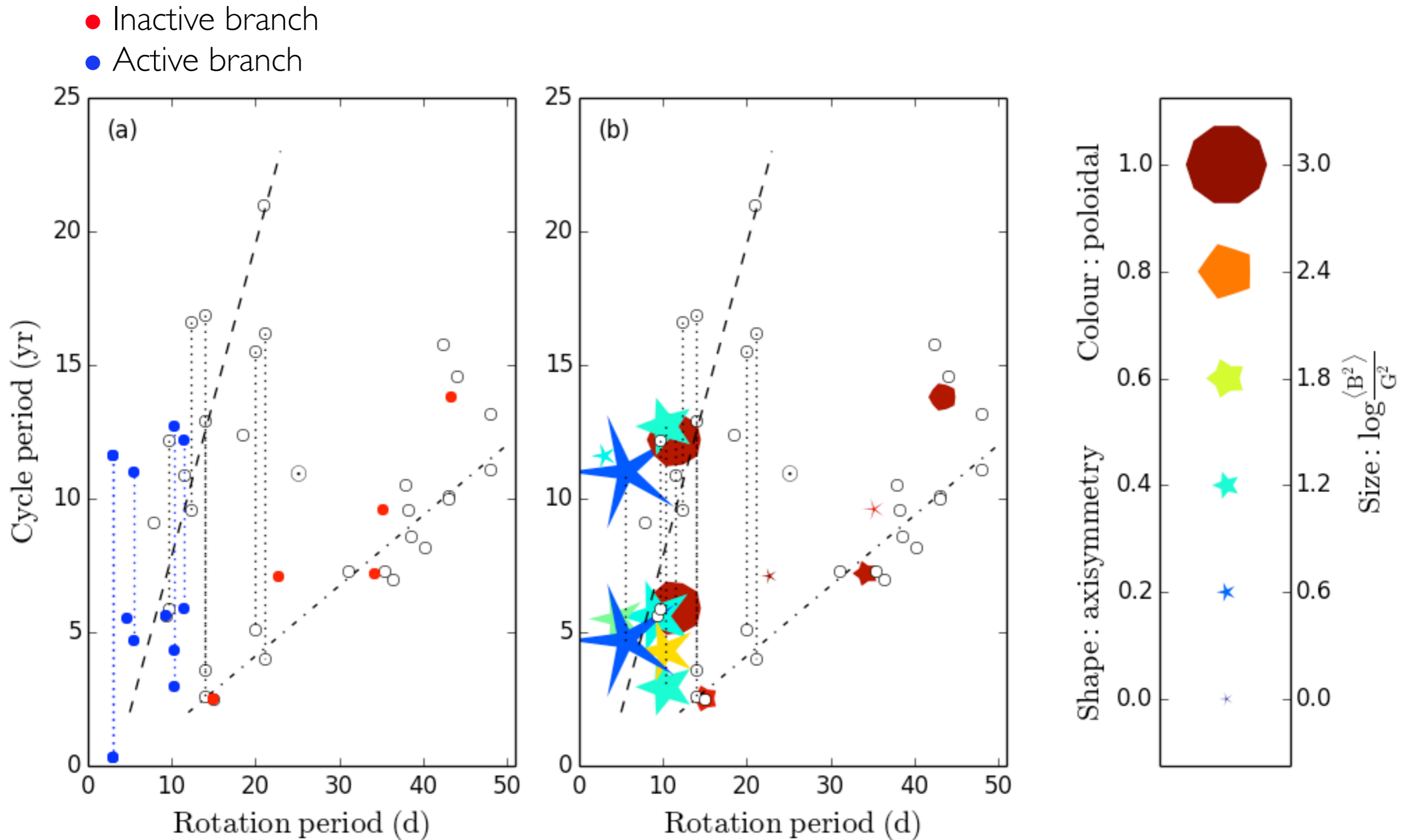


Hypothesis:

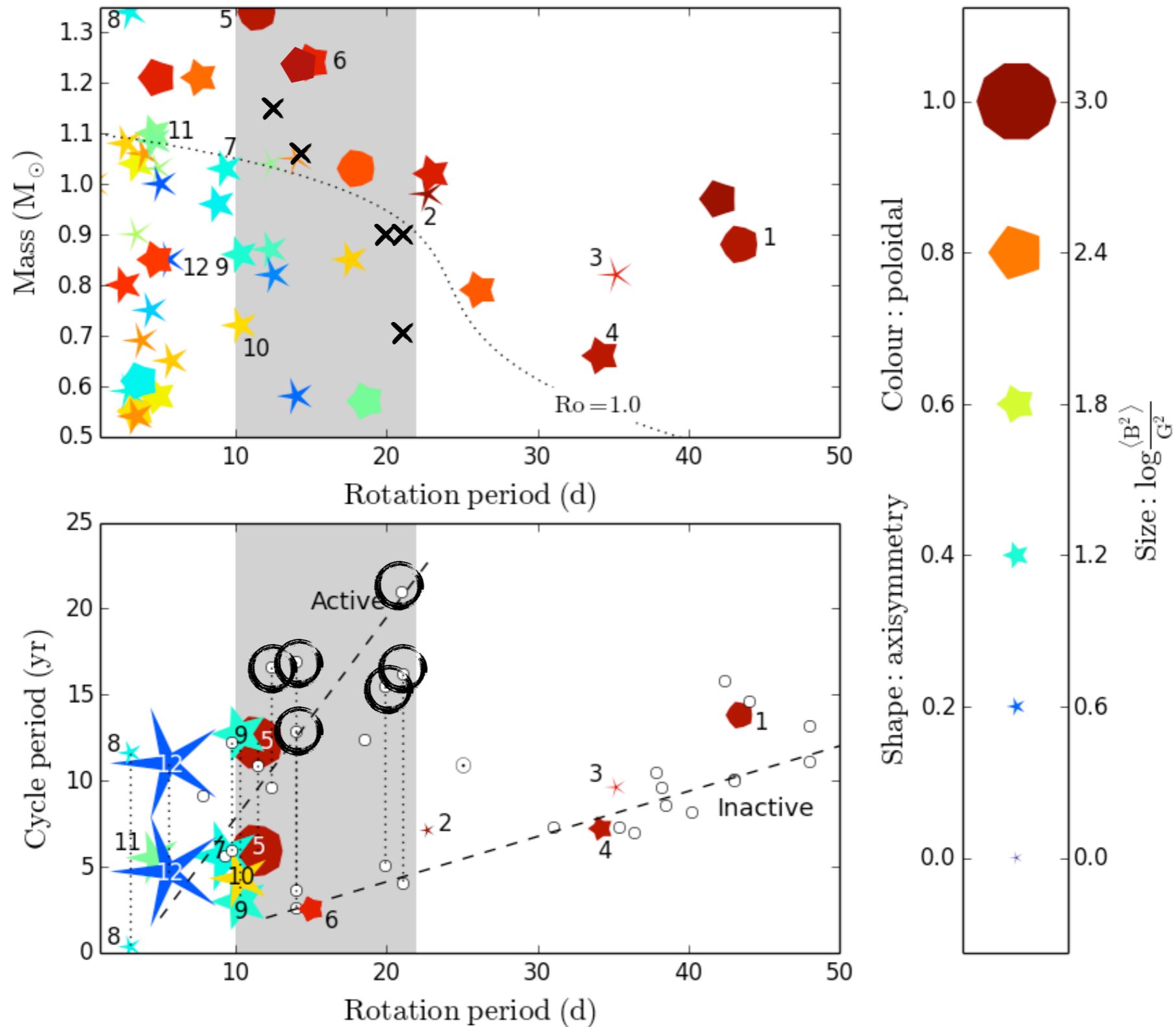


Also see posters:
#34 - Victor See
#233 - Lisa Lehmann

Field geometry on branches



Field geometry on branches



Summary

Field topologies appear to be different
along different activity branches

This hypothesis is currently uncertain

Confirmation/rejection will require more ZDI
mapping of stars where branches overlap

