

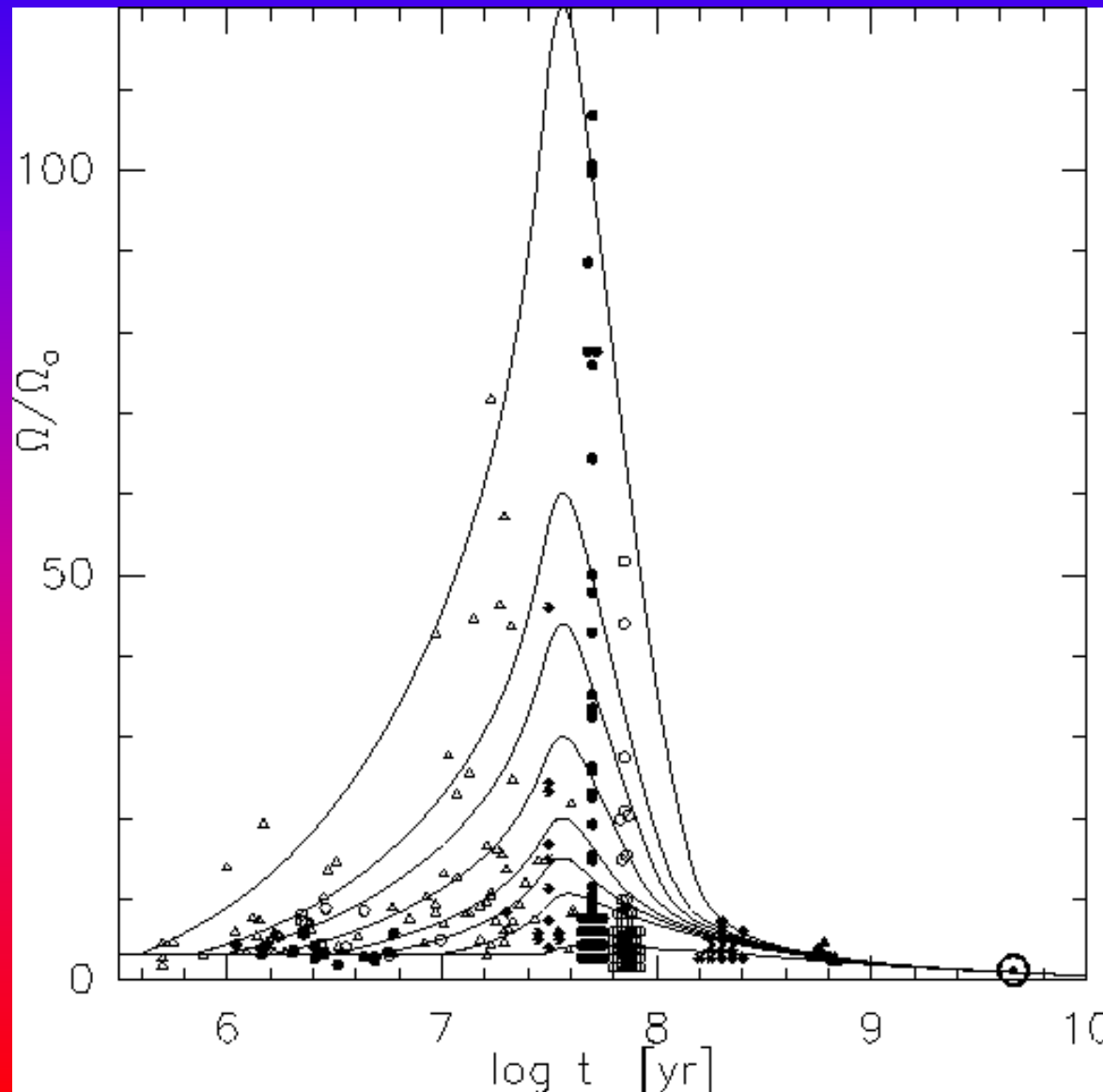
Rotational Evolution of VLM Objects and Brown Dwarfs

Jochen Eislöffel and Alexander Scholz



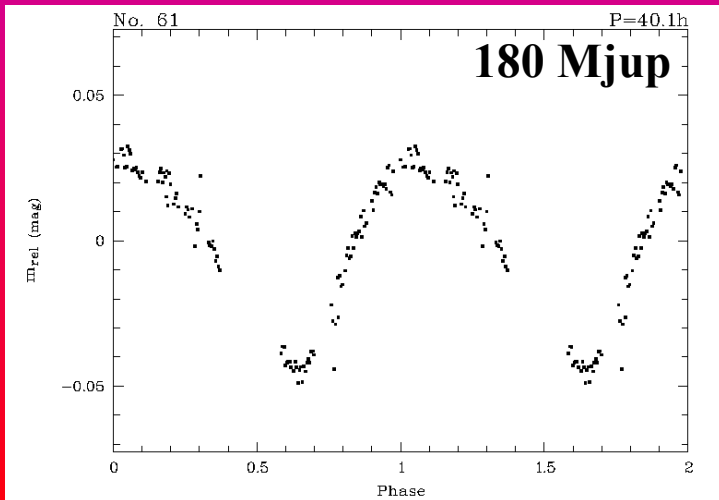
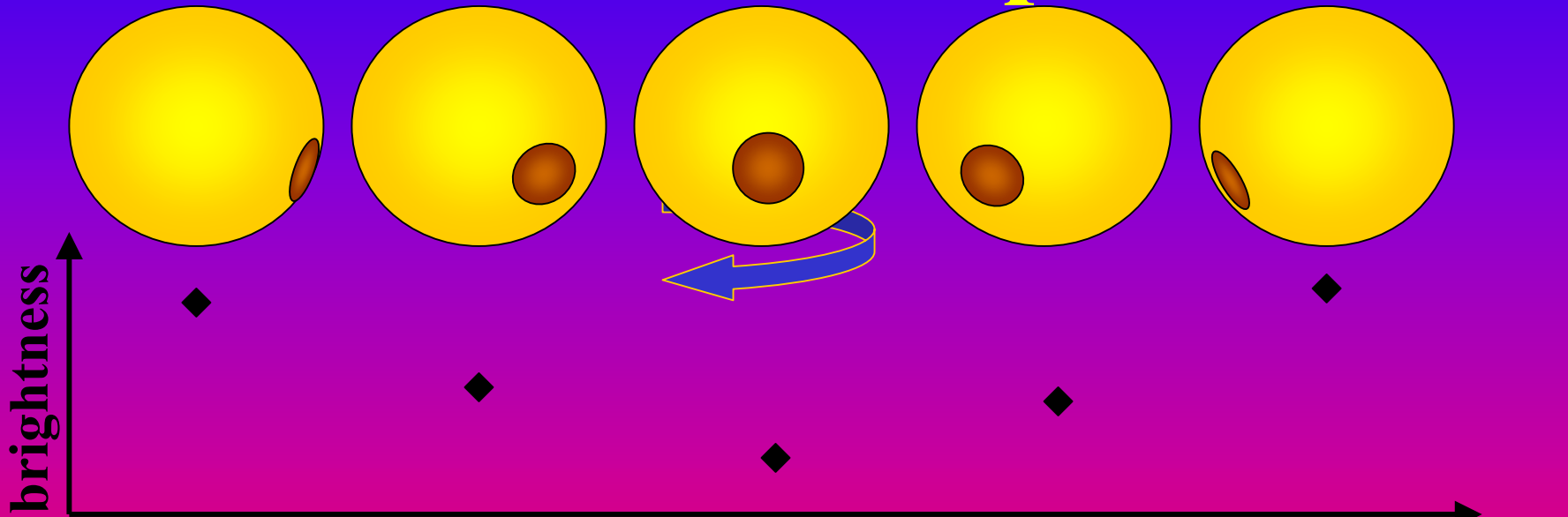
Thüringer Landessternwarte Tautenburg

Rotation of solar mass stars

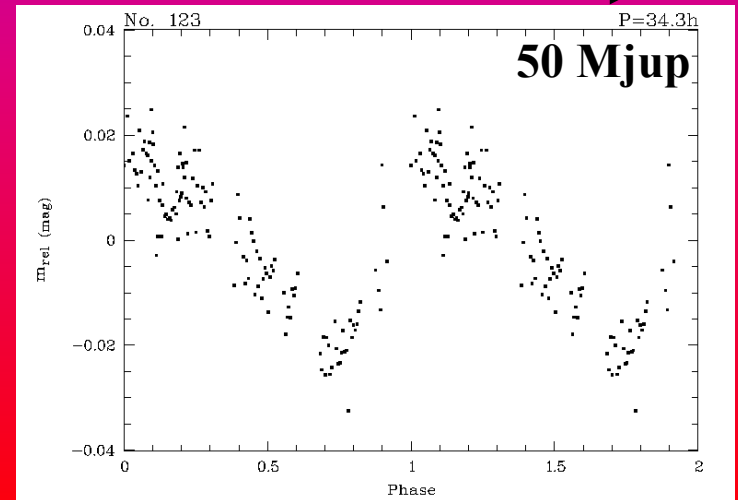


Bouvier 1997

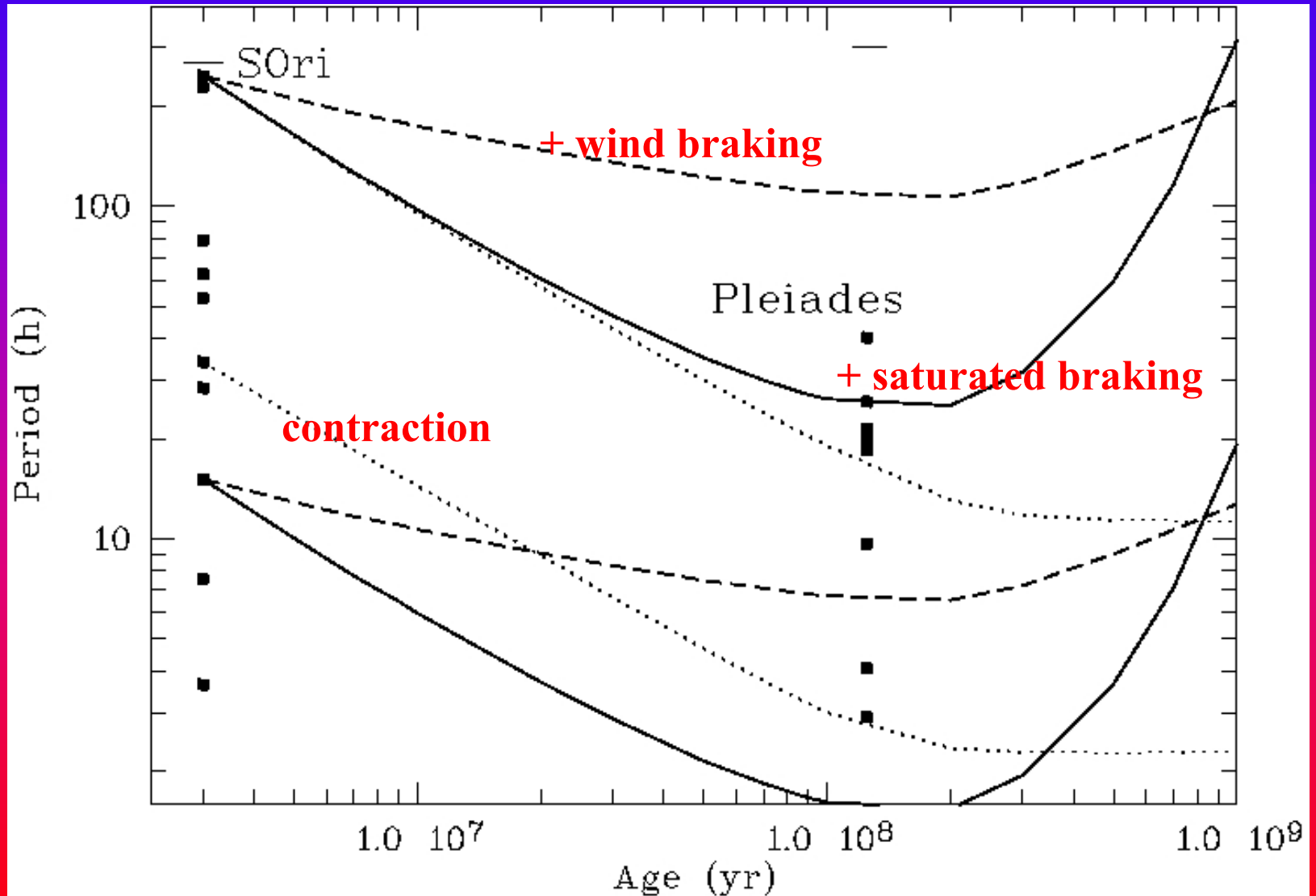
Periodic variability from the rotation of spots



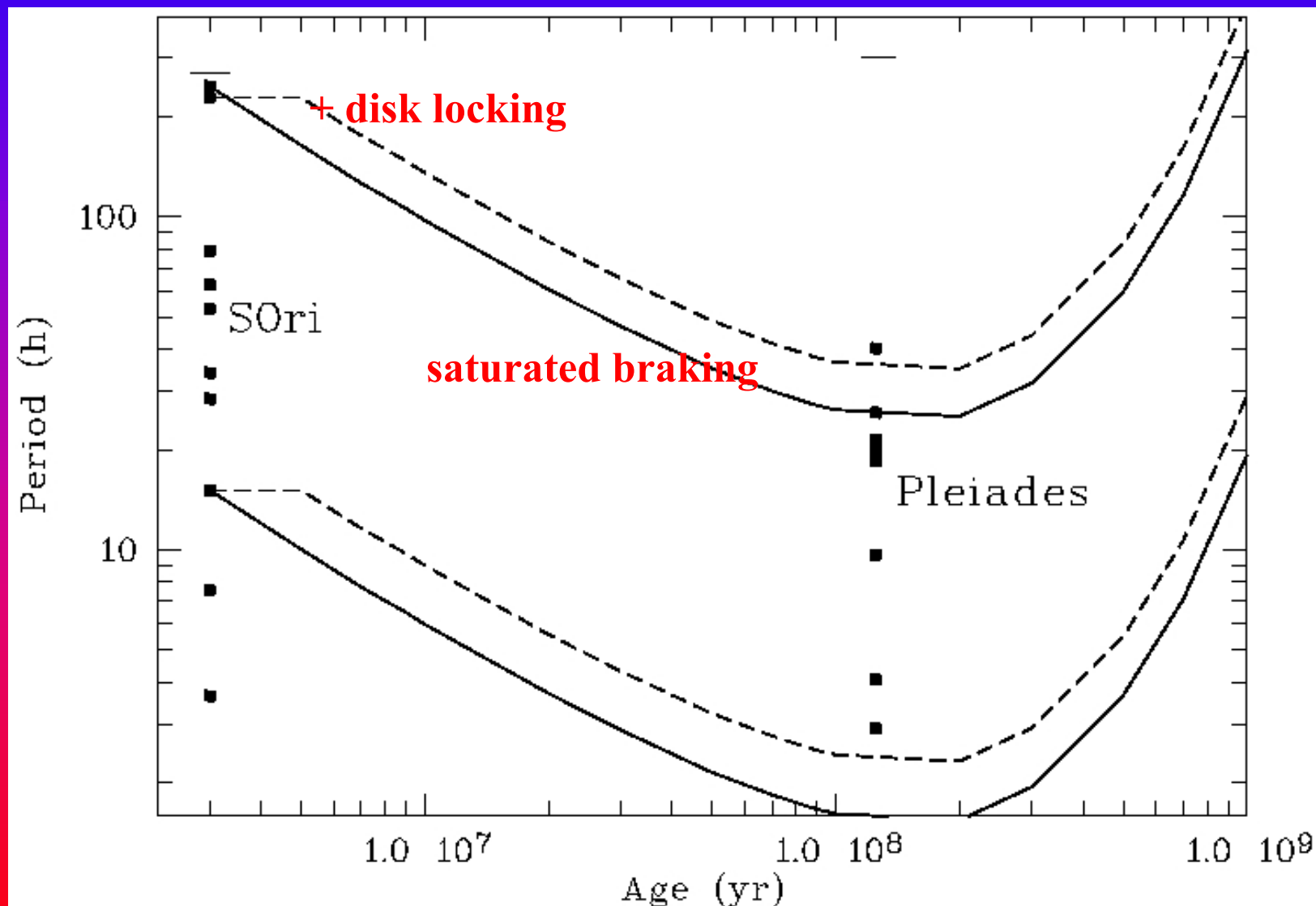
time



Rotational evolution



Rotational evolution: disk+wind



Rotation – activity – magnetic fields

- fast rotation
- no Skumanich law
- exponential rotational braking
- imperfect disk-locking
- small photometric amplitudes



Small-scale magnetic fields
Turbulent dynamo?

rotation periods and amplitudes in the Pleiades

