

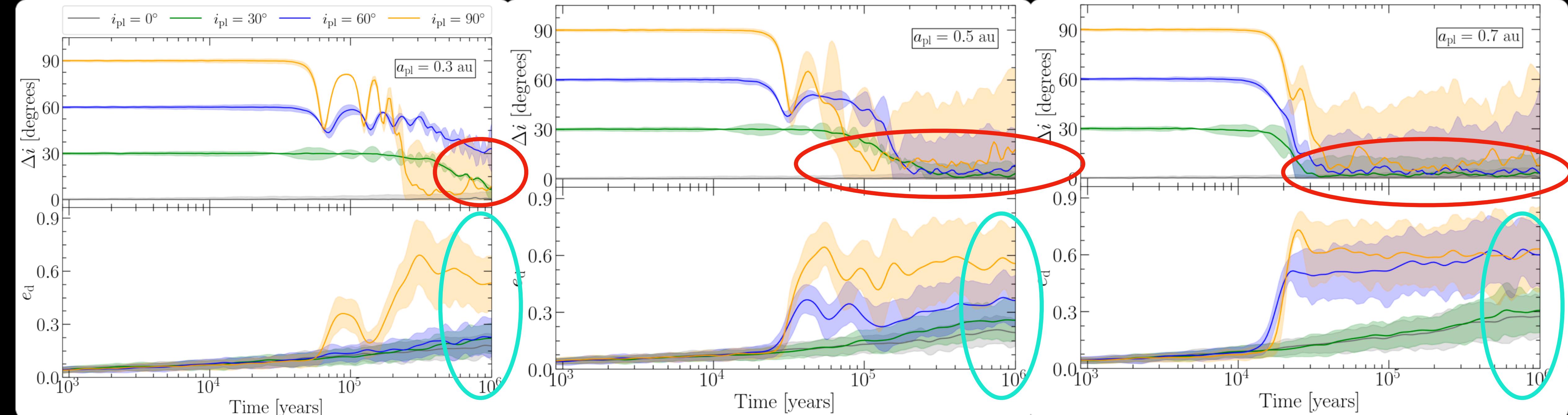
Self-gravity of debris discs can strongly change the outcomes of interactions with inclined planet

Pedro P. Poblete, Torsten Löhne, Tim D. Pearce, and Antranik A. Sefilian

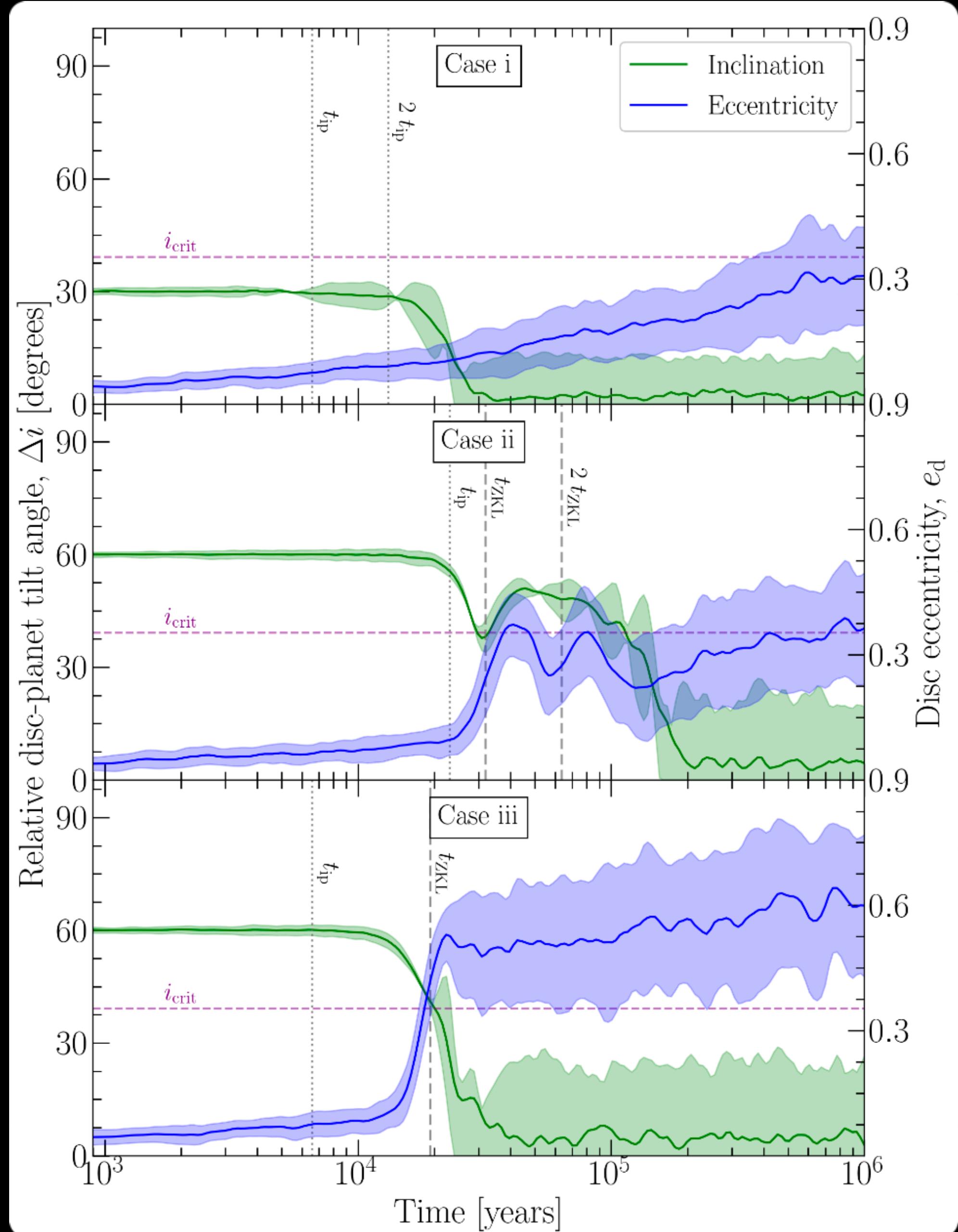
REBOUND

Inclination & eccentricity evolution

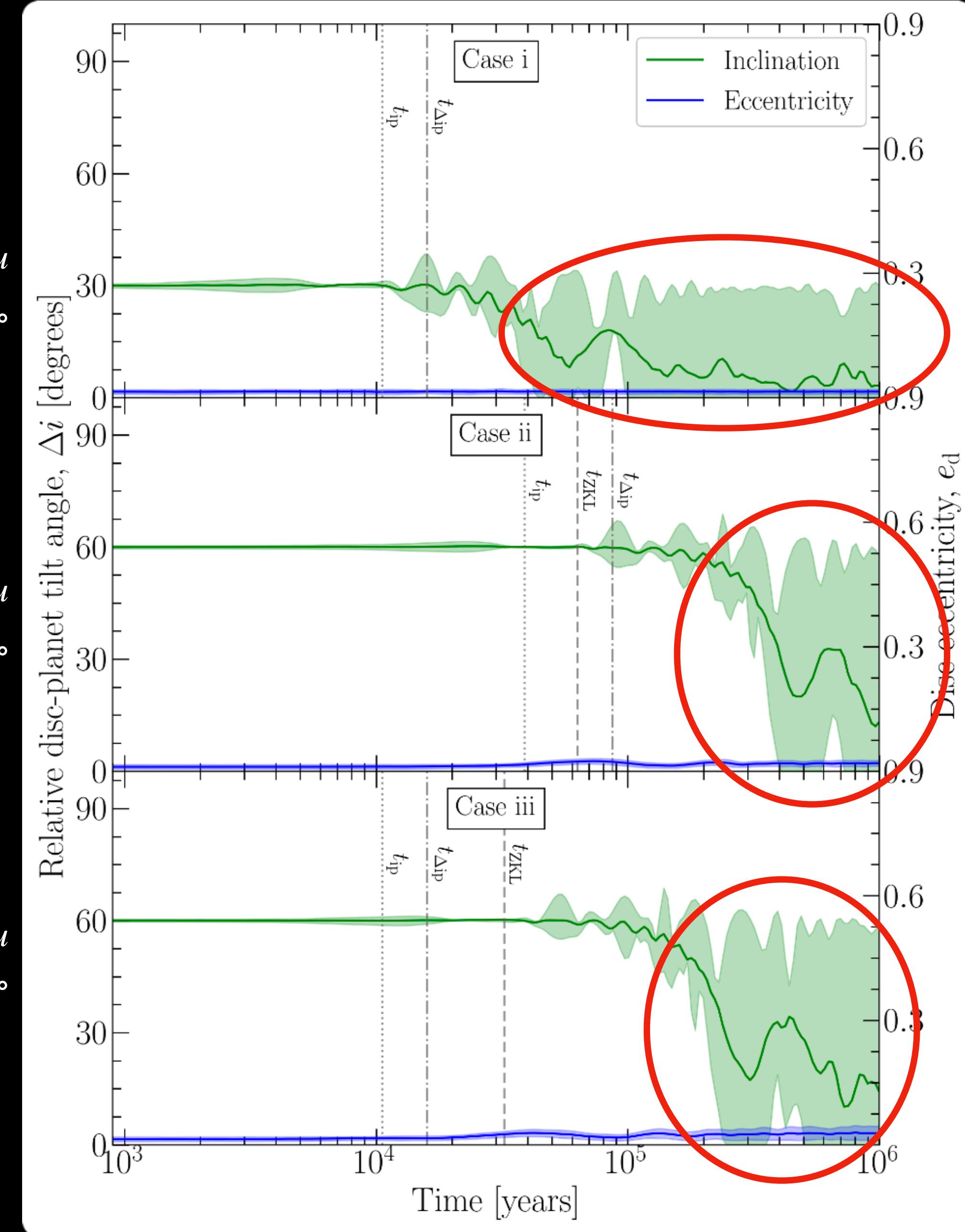
Quasi-coplanar



Self-gravitating debris disc



Massless debris disc

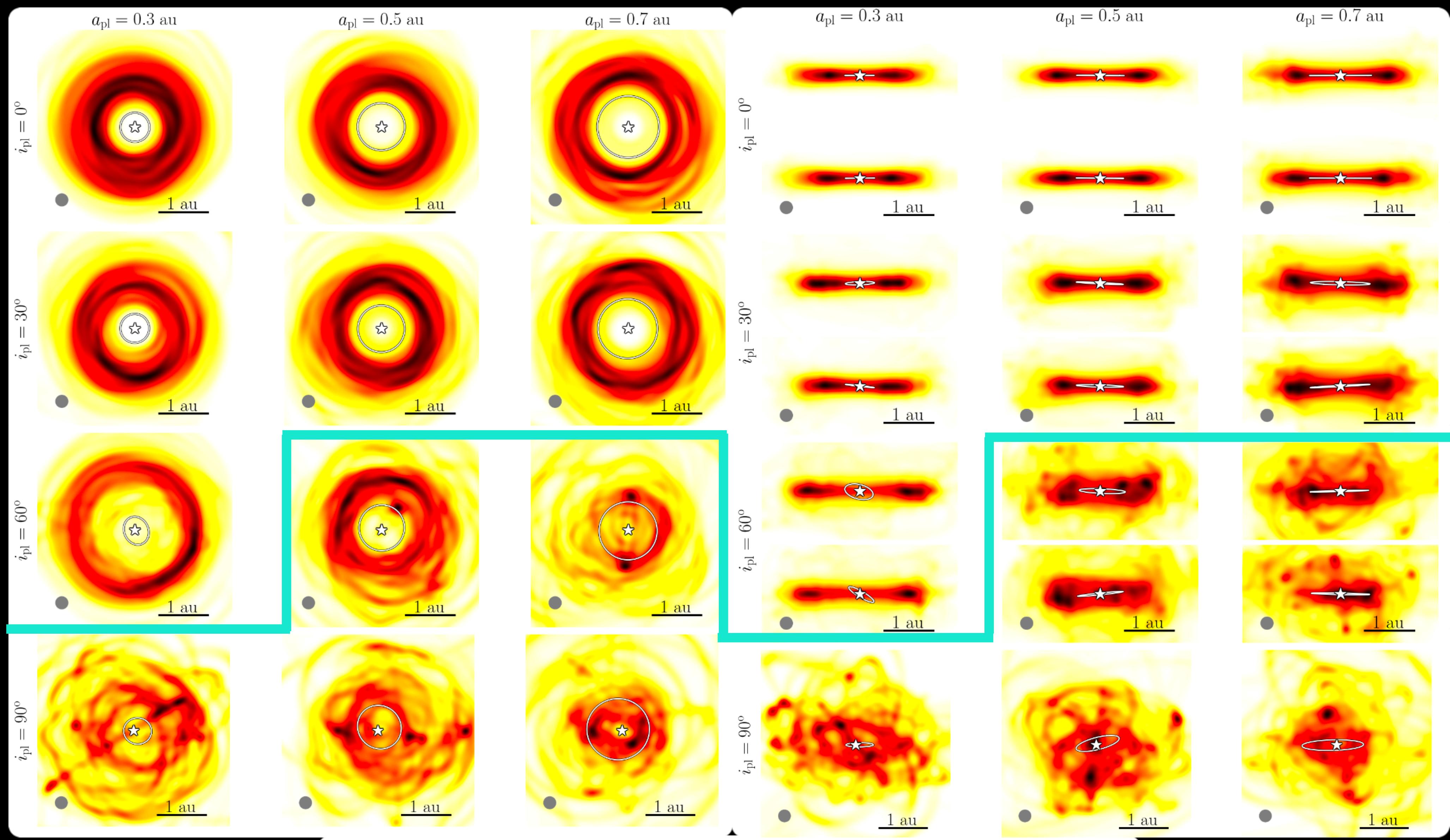


1 Myr

Face-on

Morphology

Edge-on



Normalized Surface Density

**Similarity
Caution in interpreting the dynamic history of the debris disc by only observing it!**