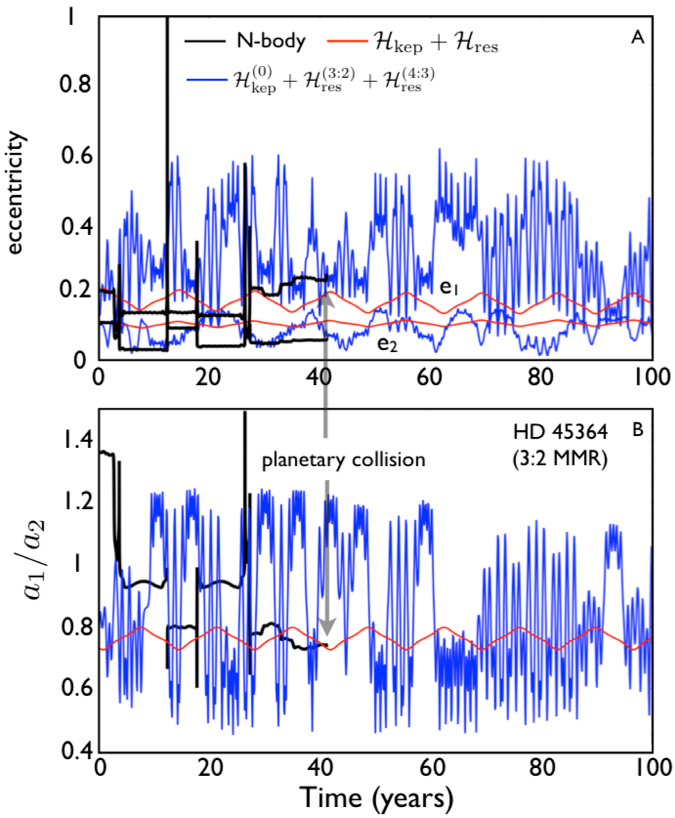
A
N-body
$\mathcal{H}_{\rm kep} + \mathcal{H}_{\rm res}$
$\mathcal{H}^{(0)}_{\rm kep} + \mathcal{H}^{(3:2)}_{\rm res} + \mathcal{H}^{(4:3)}_{\rm res}$
eccentricity
e1
e2
B
HD 45364
(3:2 MMR)
planetary collision
a_1/a_2
Time (years)