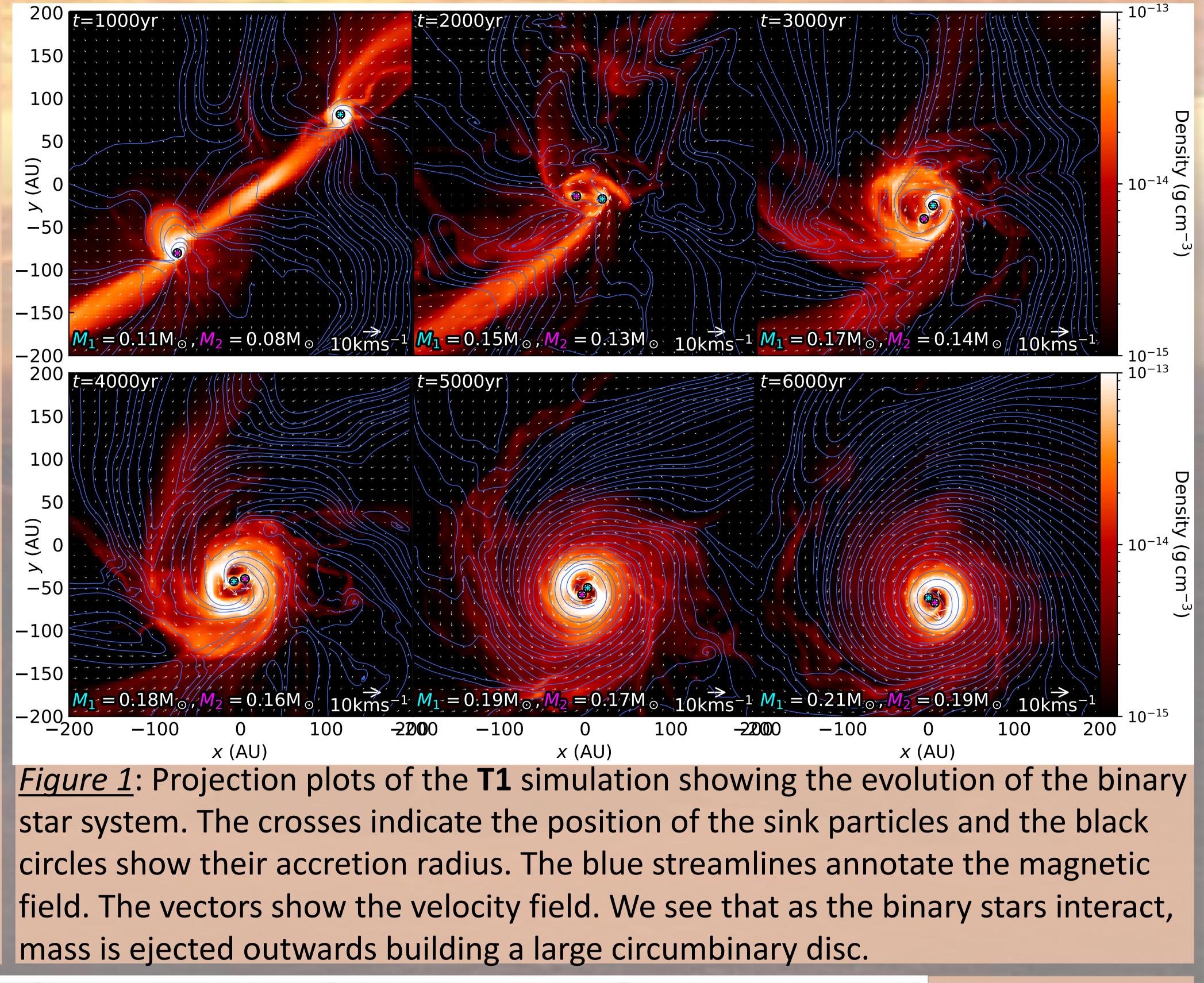


Results: We show a dependence of eccentricity on episodic accretion during binary star formation. We find accretion events are triggered by momentum transfer from circumstellar material to the stars, which excite spiral density waves.

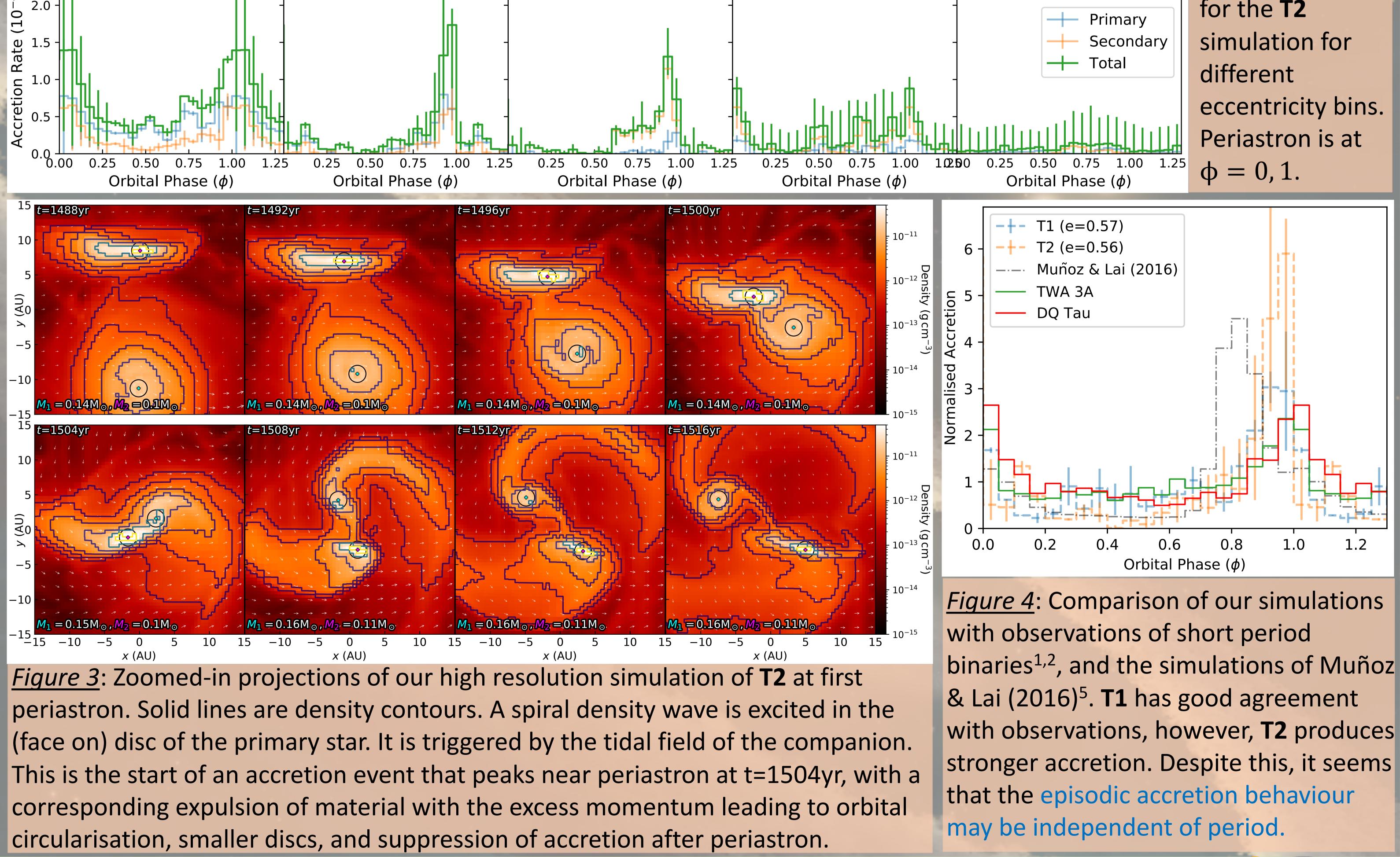
Background: Observations of eccentric short period binaries find that accretion is



enhanced at periastron^{1,2}. Simulations also show that episodic accretion may be present in longer period binaries³. We look at what triggers accretion events and compare with observations to determine whether the behaviour is independent of separation.

Method: We simulate the formation of binaries from turbulent molecular cores using the MHD AMR code FLASH4⁴. We simulate 2 cases with initial turbulence of $M = \sigma_v / c_s = 0.1$ (**T1**) and 0.2 (**T2**).

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3.0 []]	e = [1.1, 0.7] using 3 orbits	e = [0.7, 0.5] using 4 orbits	e = [0.5, 0.3] using 4 orbits	e = [0.3, 0.1] using 6 orbits	e = [0.1, 0.0] using 69 orbits	Figure 2: phase-
) ⊙ 2.5 ∑			-			folded accretion
4						



¹Tofflemire et al (2017) ApJ, 835, 8; ²Tofflemire et al (2017) ApJ, 842 ³Kuruwita & Federrath (2019) MNRAS, 486, 3647; ⁴Fryxell et al (2000) ApJSS, 131, 273; ⁵Muñoz & Lai (2016) ApJ, 827, 43