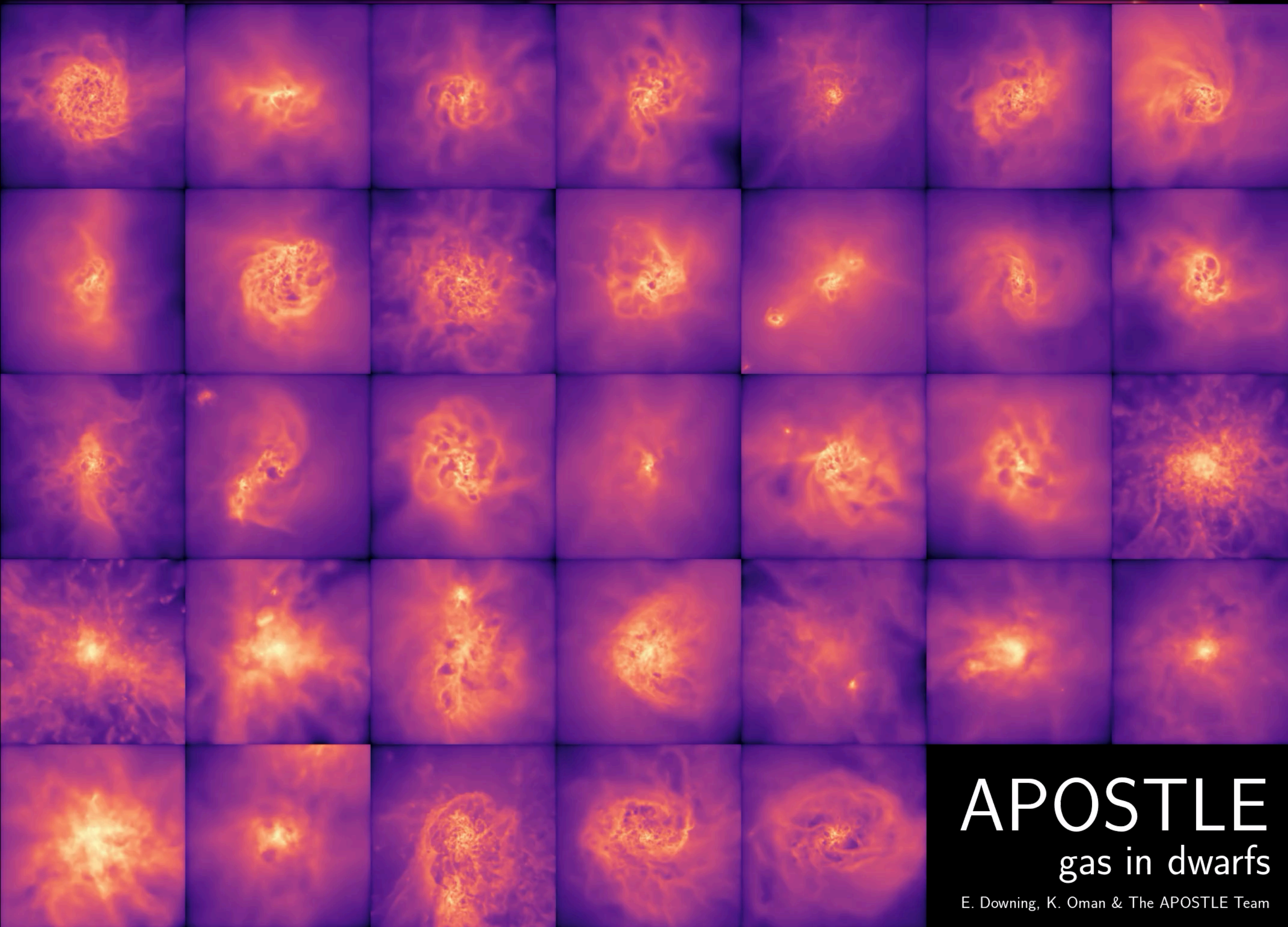


The many reasons that the rotation curves of low-mass galaxies can fail as tracers of their matter distributions

Eleanor Downing & Kyle Oman, Durham ICC



Perturbation inventory

18% merger/interacting

44% elongated DM halos

78% bulk gas flows

26% strong warps

$\leq 10\%$ none of the above!

Consequences for BTFR, cusp-core, ...

MNRAS accepted, arXiv:2301.05242

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APOSTLE
gas in dwarfs

E. Downing, K. Oman & The APOSTLE Team