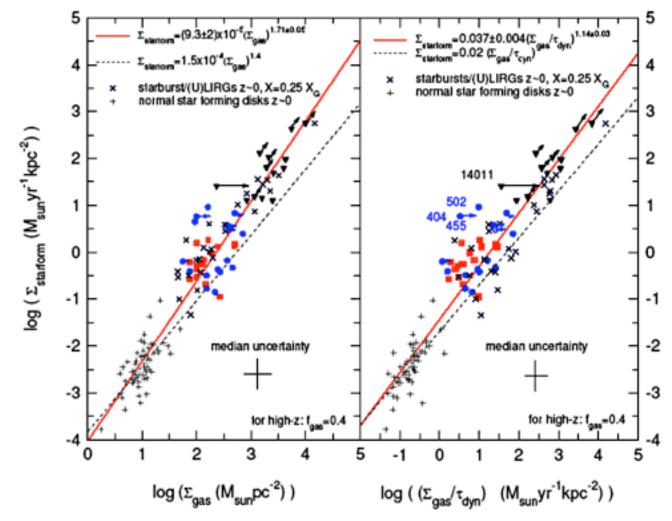


"Triggering Mechanisms": Do we need them?

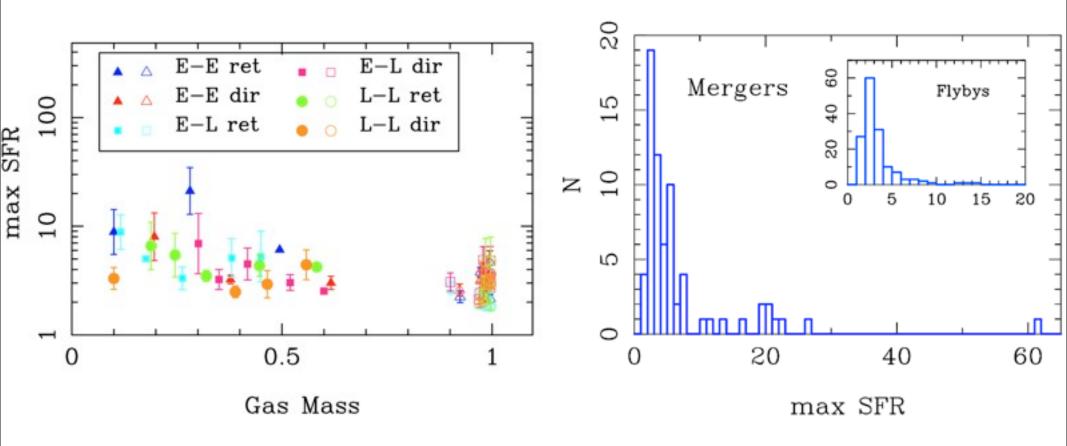
"Triggering Mechanisms": Do we need them?



Globally, 'triggering' = raising gas density

- "Triggering Mechanisms": Do we need them?
 - Depends on definition of 'burst':
 - Is cooling a 'trigger'? If star formation is quasi steady-state, is there a 'trigger'?

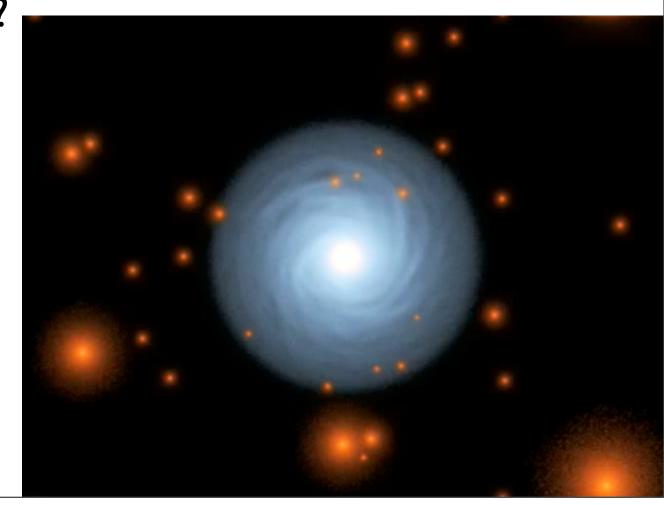
- "Triggering Mechanisms": Do we need them?
 - Depends on definition of 'burst':



- Triggering AGN:
 - Does it need to know anything global? (*Specifically* mergers/bars/etc?)
 - Does it need to know anything local? (Just a function of central gas densities/ star formation)

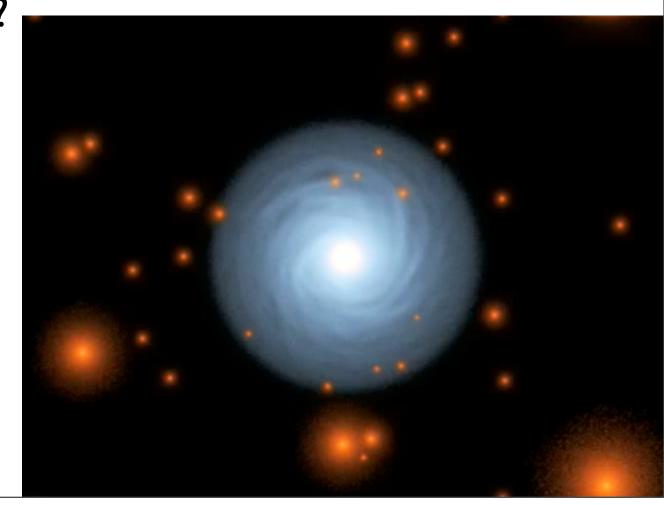
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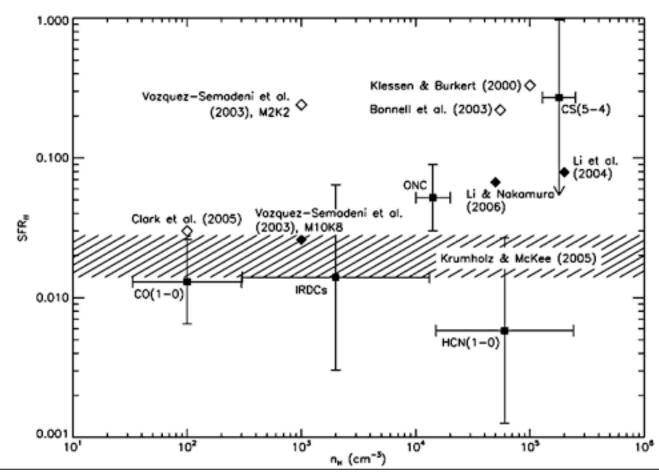
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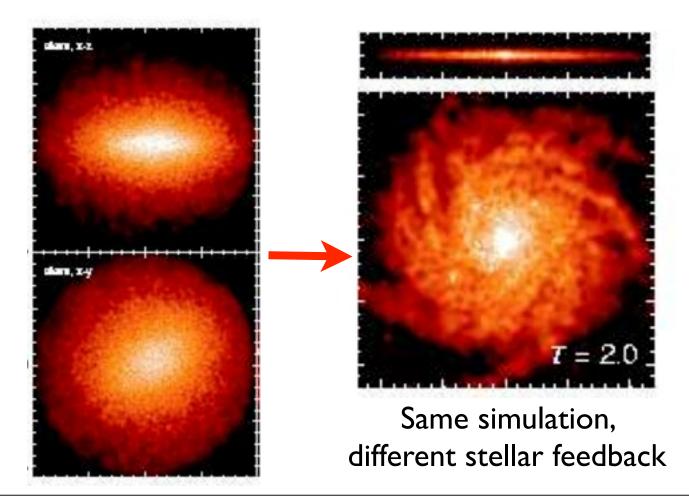
- Mergers, bars, lopsidedness:
 - Different properties in 'relics'? ('classical' vs 'pseudo' bulges)
 - Can we correlate this with the starburst history of the Universe?

- Star formation prescriptions:
 - ullet KS-Law: $\dot{
 ho}_* \propto
 ho/t_{
 m dyn}$ (roughly)
 - Do we need anything else?



- Star formation prescriptions:
 - Do we need anything else?
 - Molecule formation
 - Dependence on pressure, density, ionization field, etc.
 - Global vs. local interests

- Star formation feedback prescriptions:
 - No outflow? I0x SFR in outflow?



- Star formation feedback prescriptions:
 - Does this matter for 'triggering' discussions?