

RAM PRESSURE FEEDING SUPERMASSIVE BLACK HOLES

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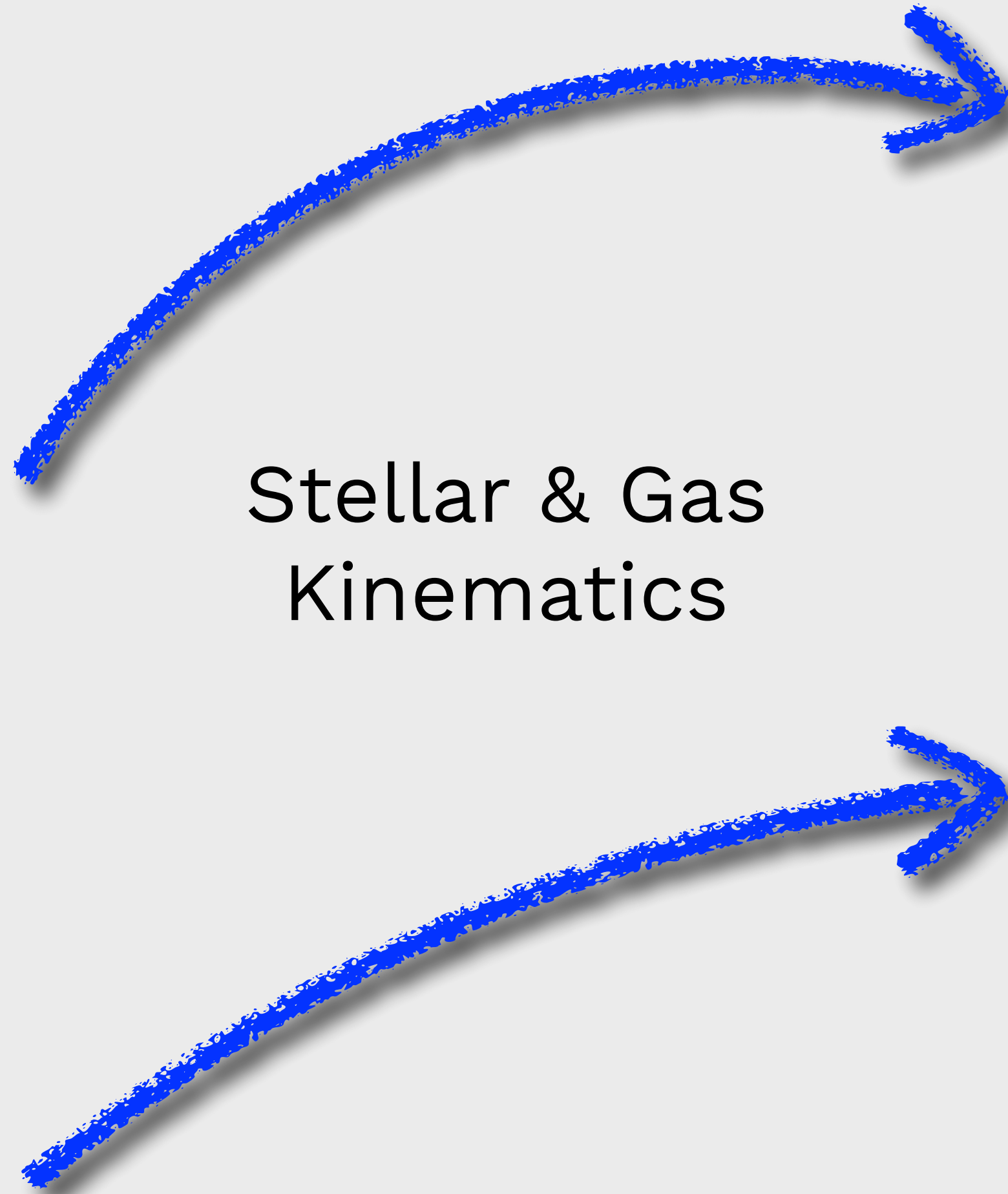


GASP webpage

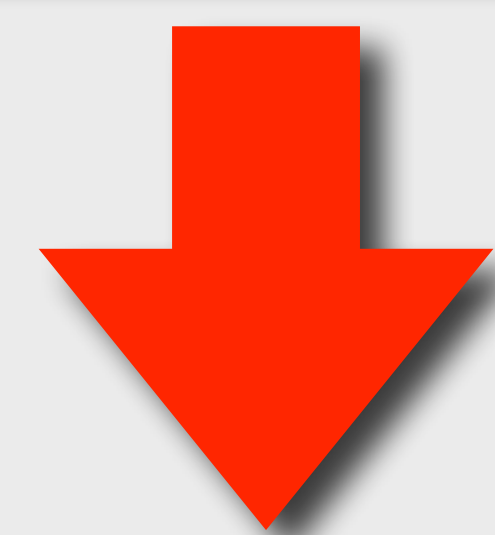
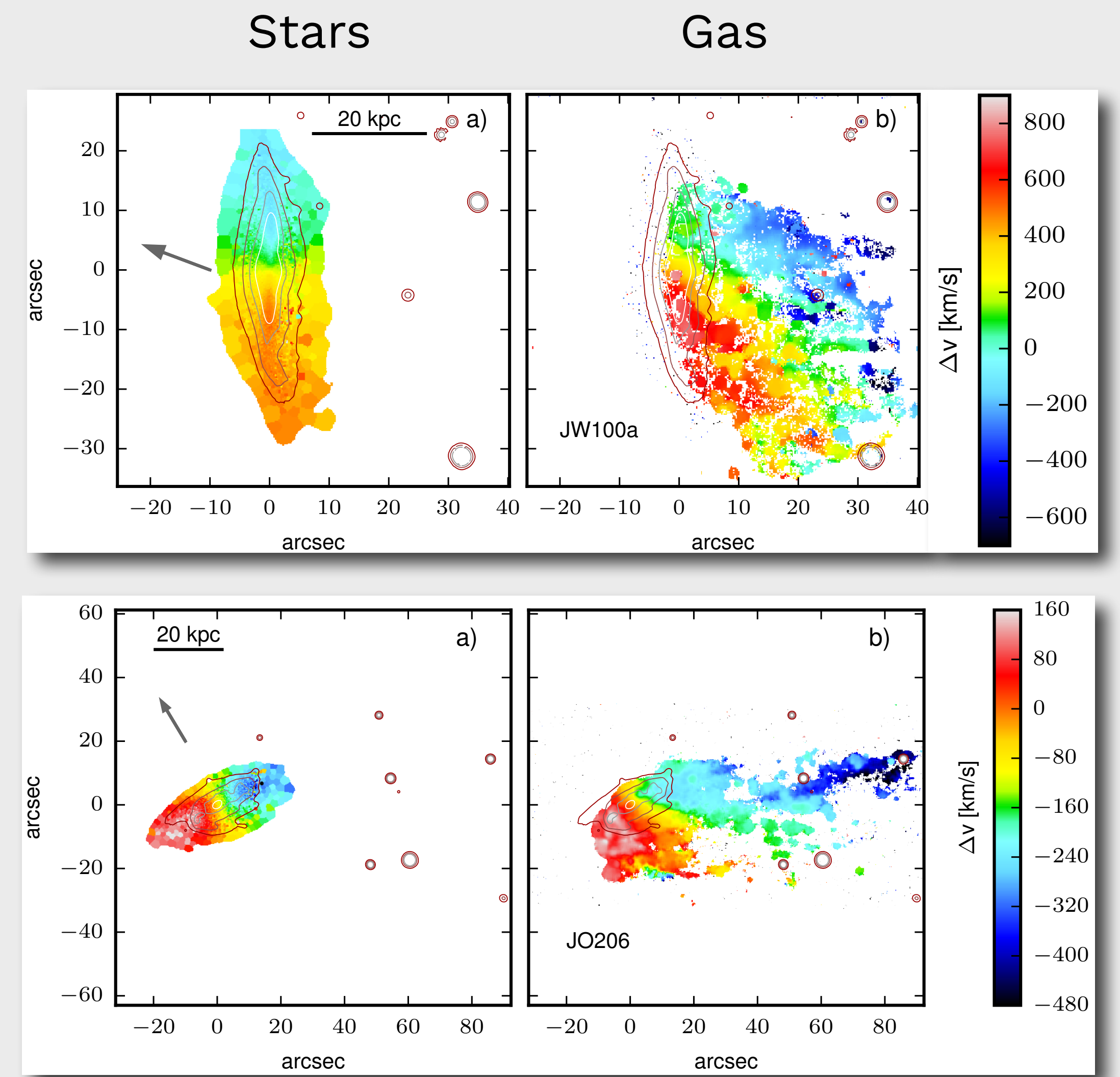


Link to this poster

GAs Stripping Phenomena is a MUSE @VLT spectroscopic survey targeting **Jellyfish galaxies** candidates to study the effect of ram-pressure in galaxy cluster evolution.



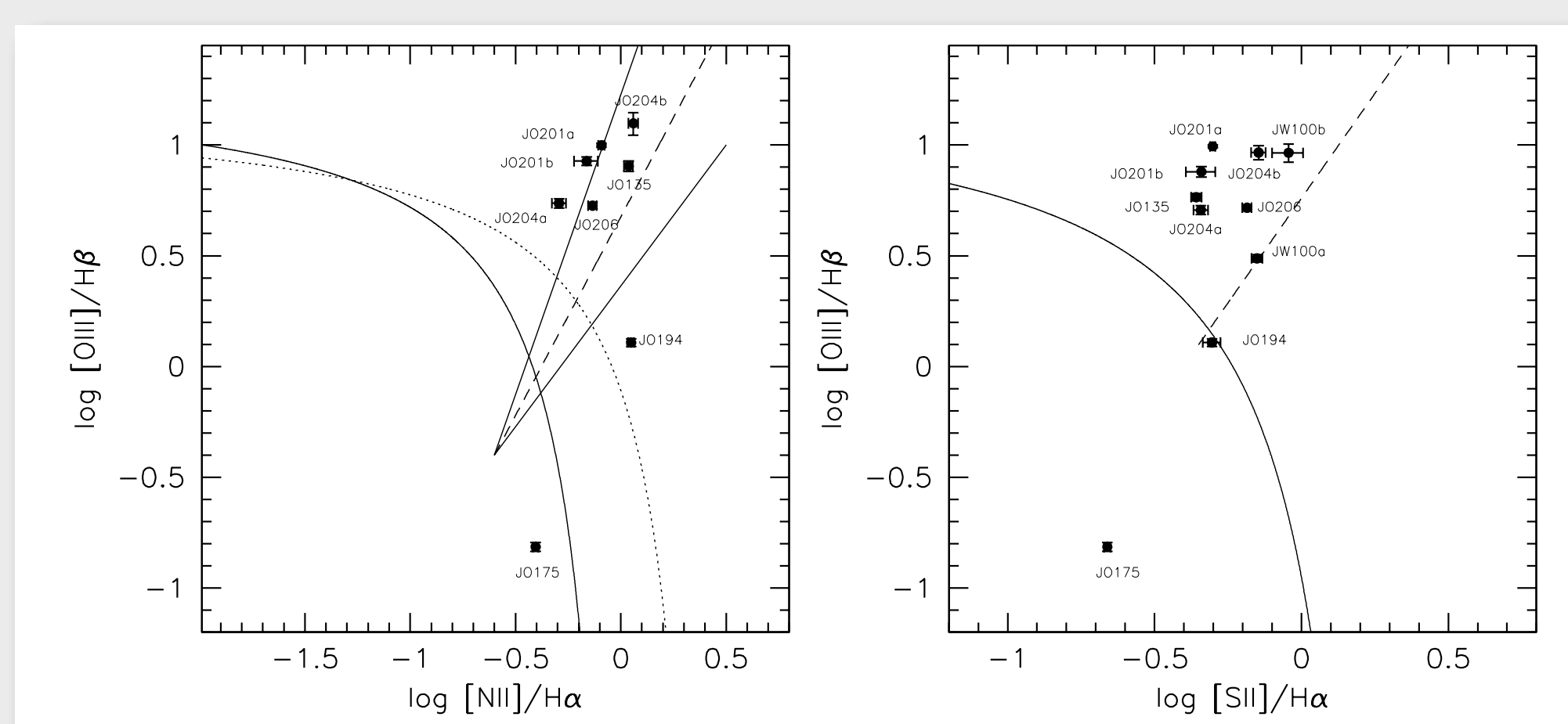
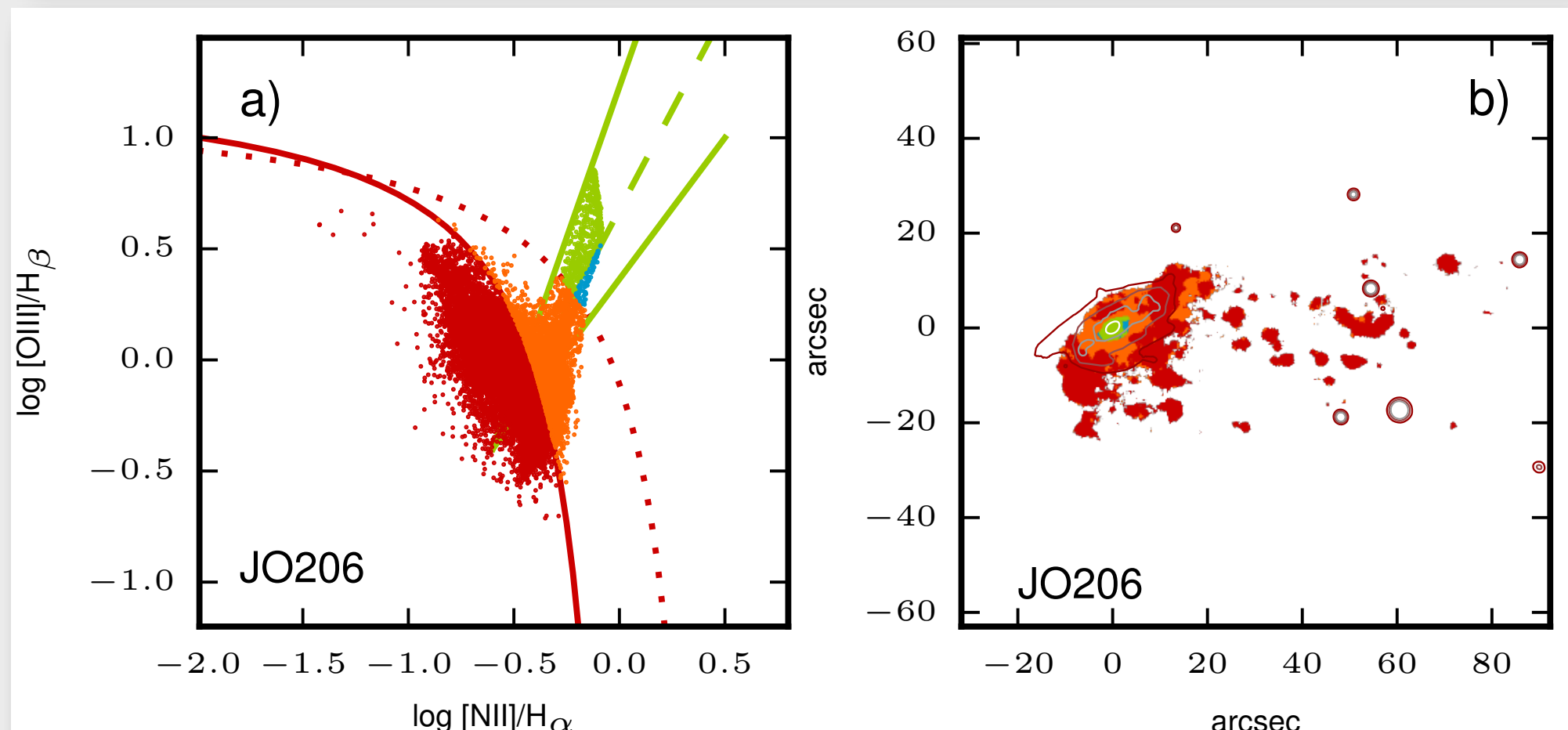
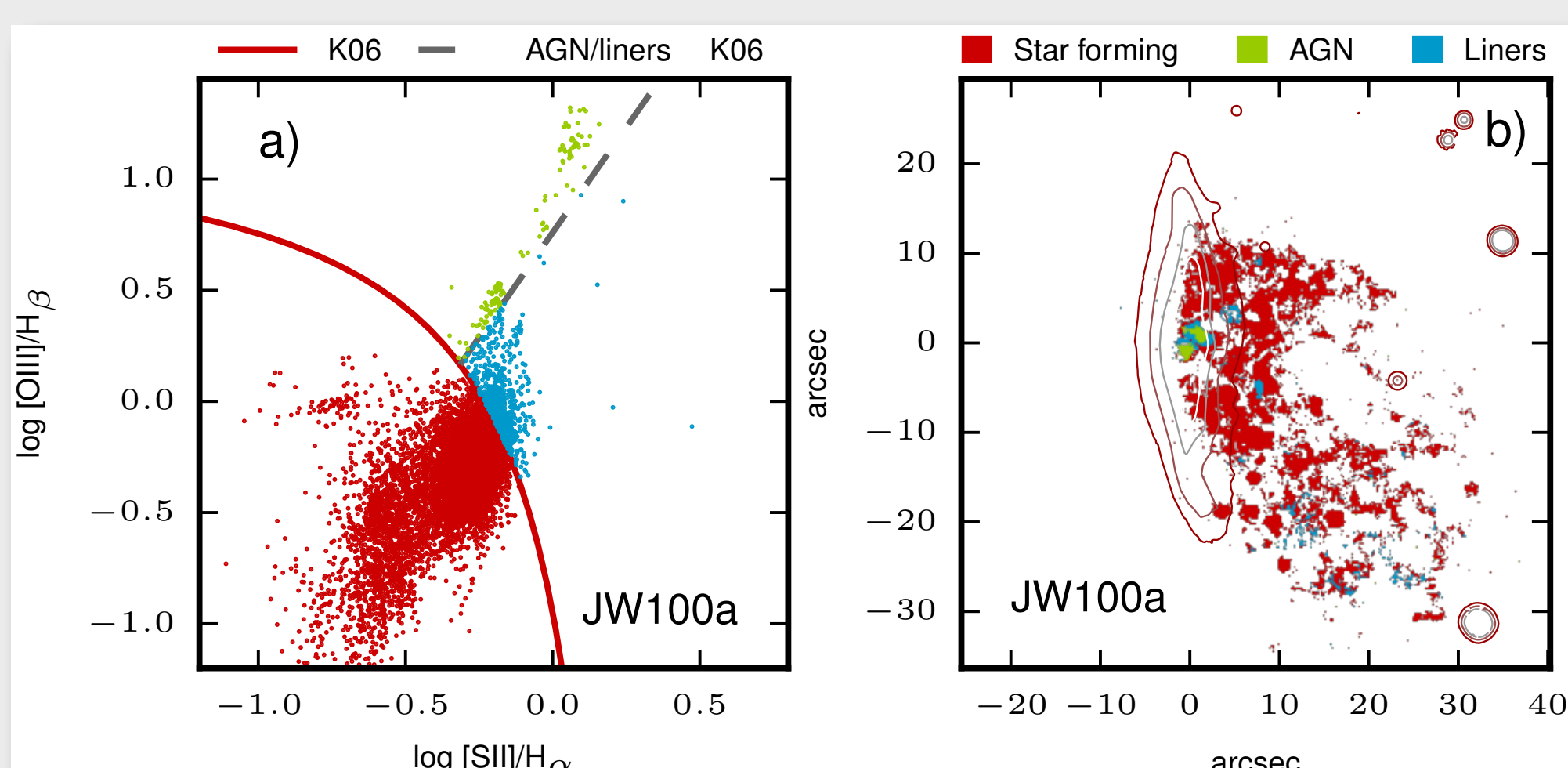
Stellar & Gas Kinematics



A RAM-PRESSURE JOB!

Selection of Jellyfishes with the **longest tails** (at least as long as their disk). 7 galaxies selected from those available at Jan-2017.

Spatially resolved diagnostic diagrams



Global diagnostic diagrams (from the total spectrum).

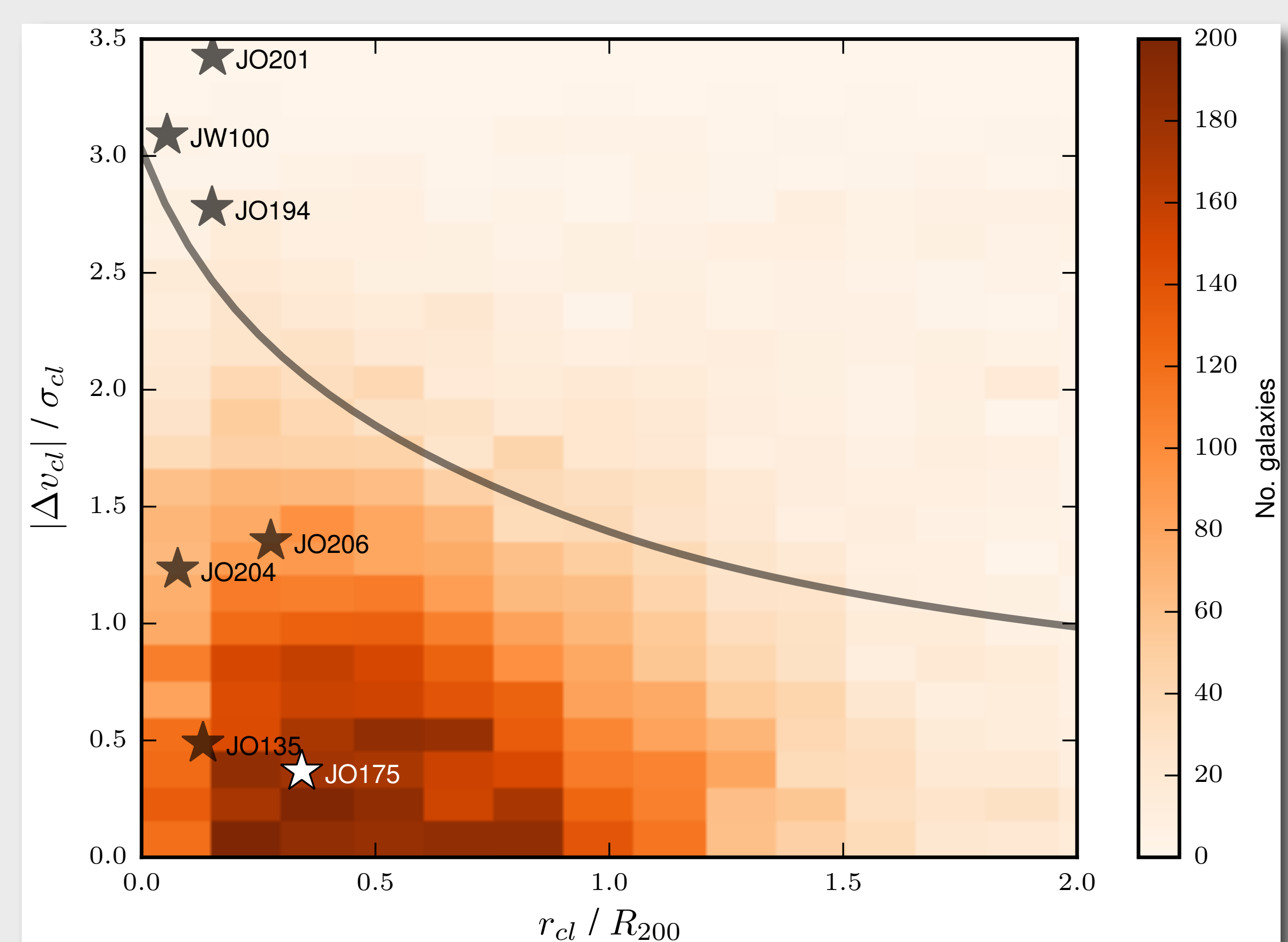
6/7 have AGN-like emission. This classification is confirmed by X-ray luminosities.

NOTE: the **fraction of AGN** is about **10%** in the field and around **3%** in clusters.

Is it a **cause** or an **effect**?



Phase-Space diagram: all the galaxies are in a zone where **ram-pressure** is the most **effective**.



The high incidence of AGN among the **most striking jellyfishes** may be due to **ram pressure** causing gas to **flow** towards the center and **triggering the AGN activity**. Our analysis puts forward ram pressure as another, yet unforeseen, possible mechanism for **feeding** the central supermassive black hole with gas.