

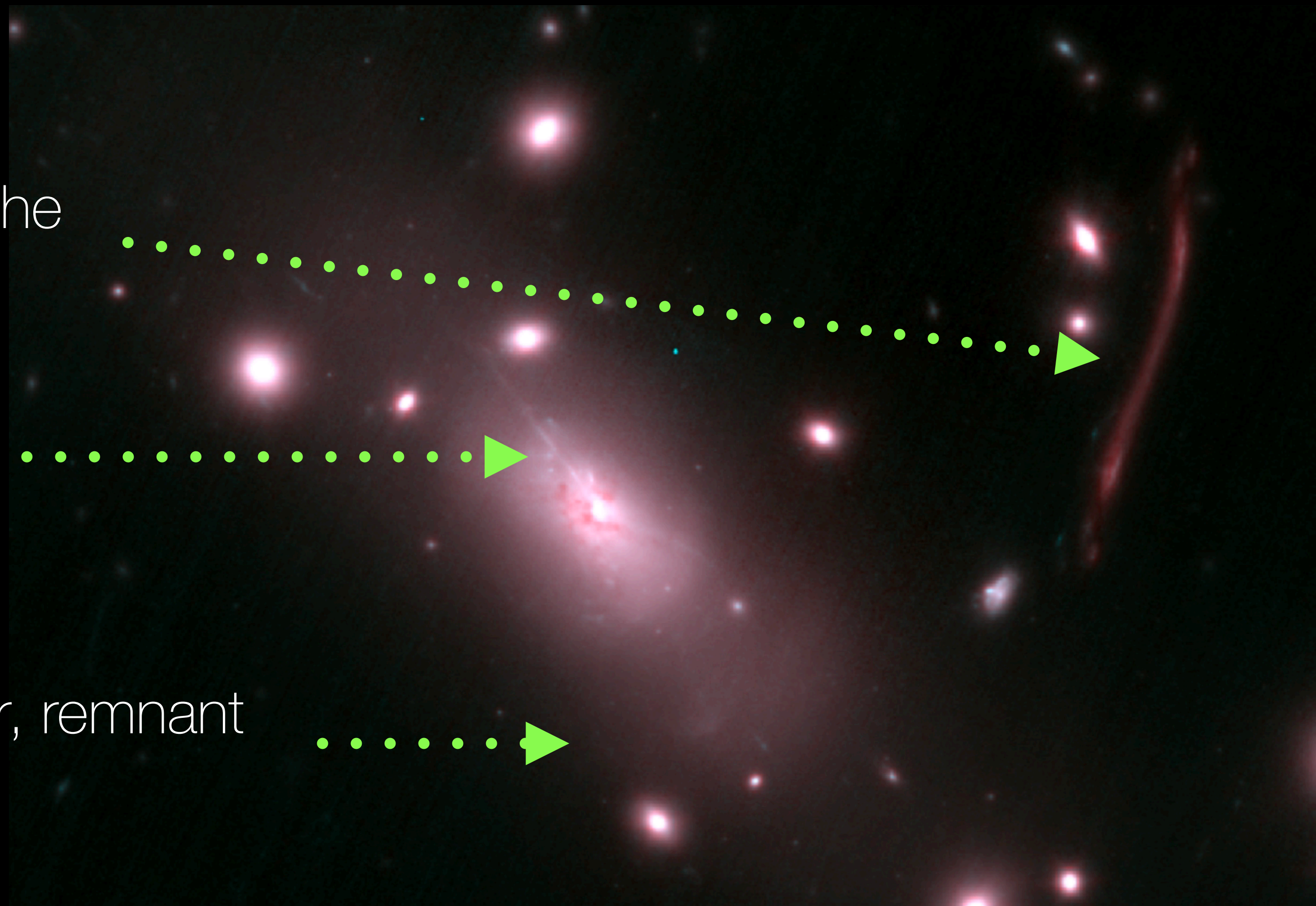
Co-evolution of Dark and Luminous Matter in the Central Cluster Galaxies

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Distortion caused by
dark matter (80% of the
total mass)

Young stars forming
at the center

Large shells of old star, remnant
of the past activity



JWST/NIRCam F150W2/F150W2/F322W2

To unpack the
cluster growing
history - We
need
**Devasthal
Optical
Telescope**
spectroscopy in
support of
JWST imaging

Seen the unseen, how dark matter influence the fate of cluster of galaxies...