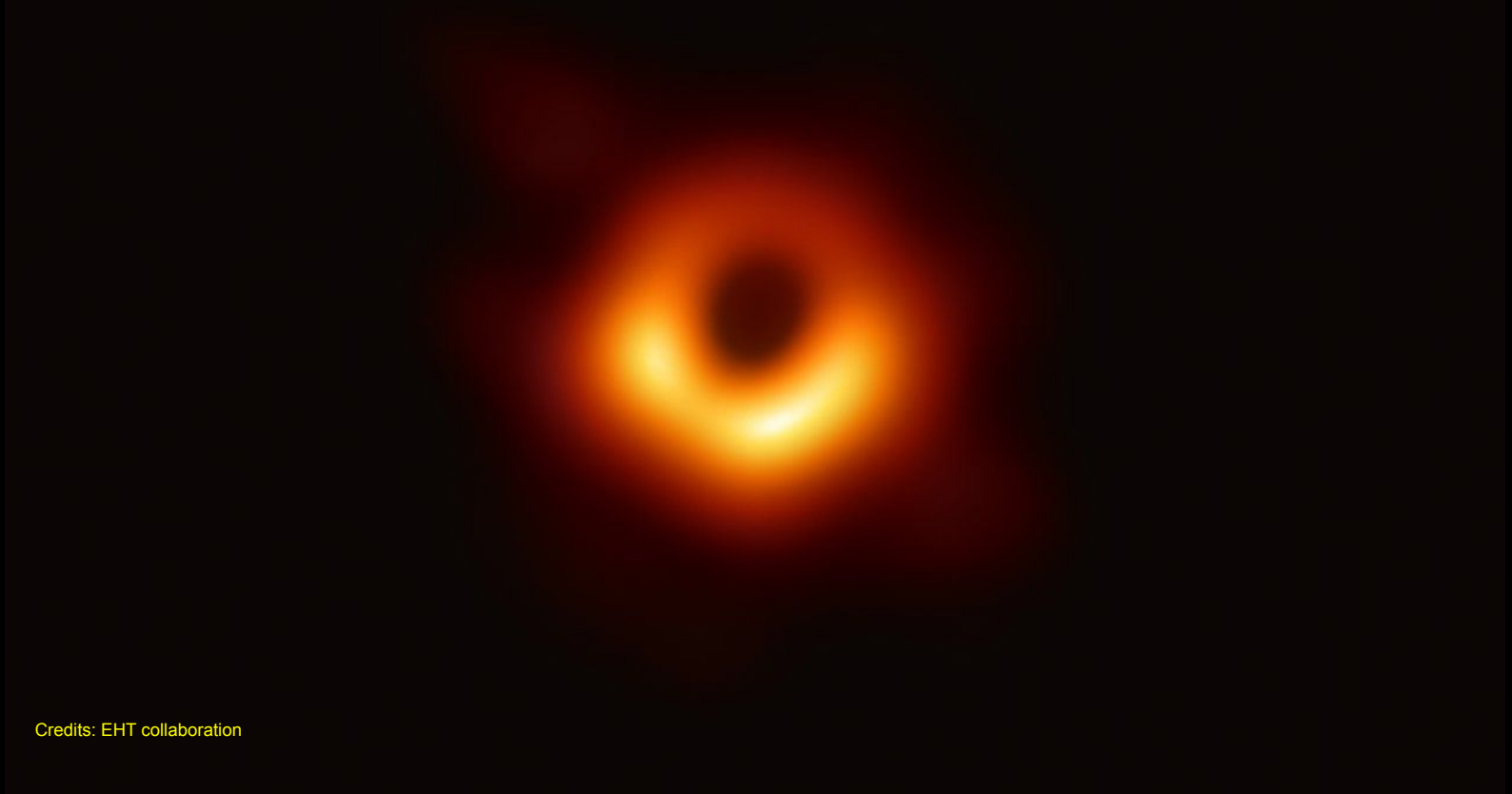


# Exploring Cosmic Jets: A Comparative Analysis Using NIRCam Filters

Samaneh Aghelpasand  
Advisor: Dr .Stacey Alberts

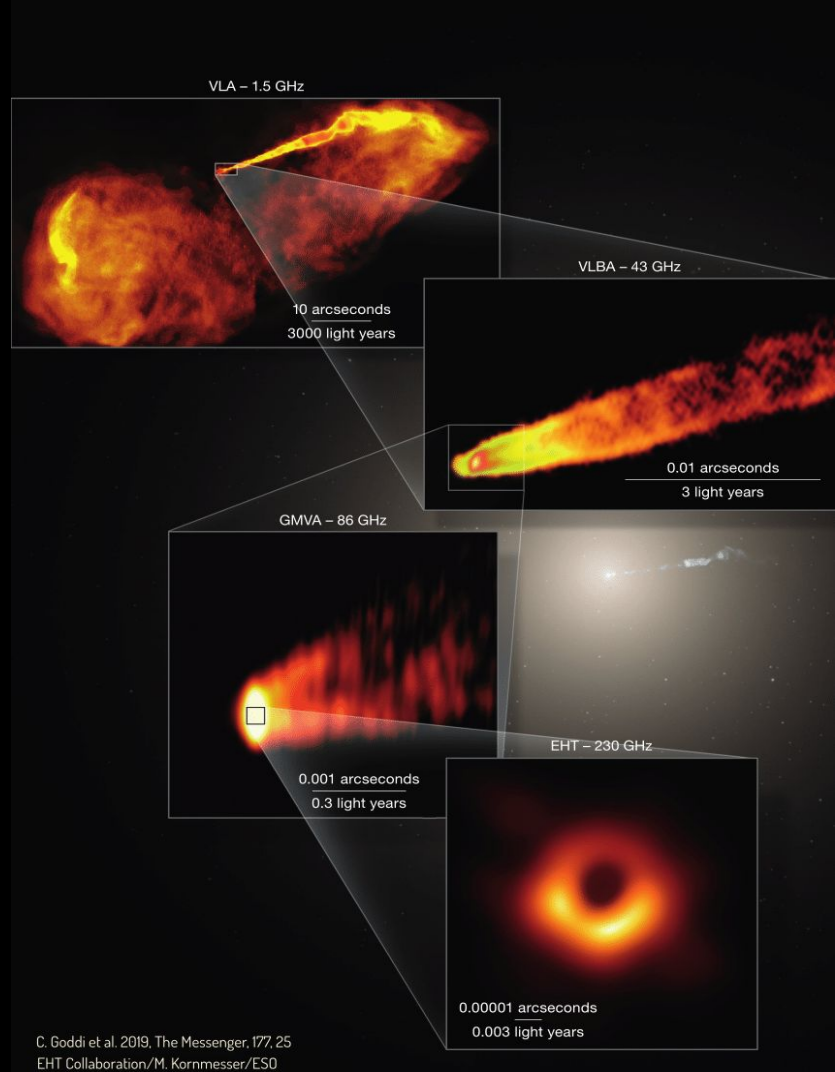
JWST-UVIT Workshop  
CHRIST University, Bangalore  
20th - 31st October 2025

# First Image of a black hole



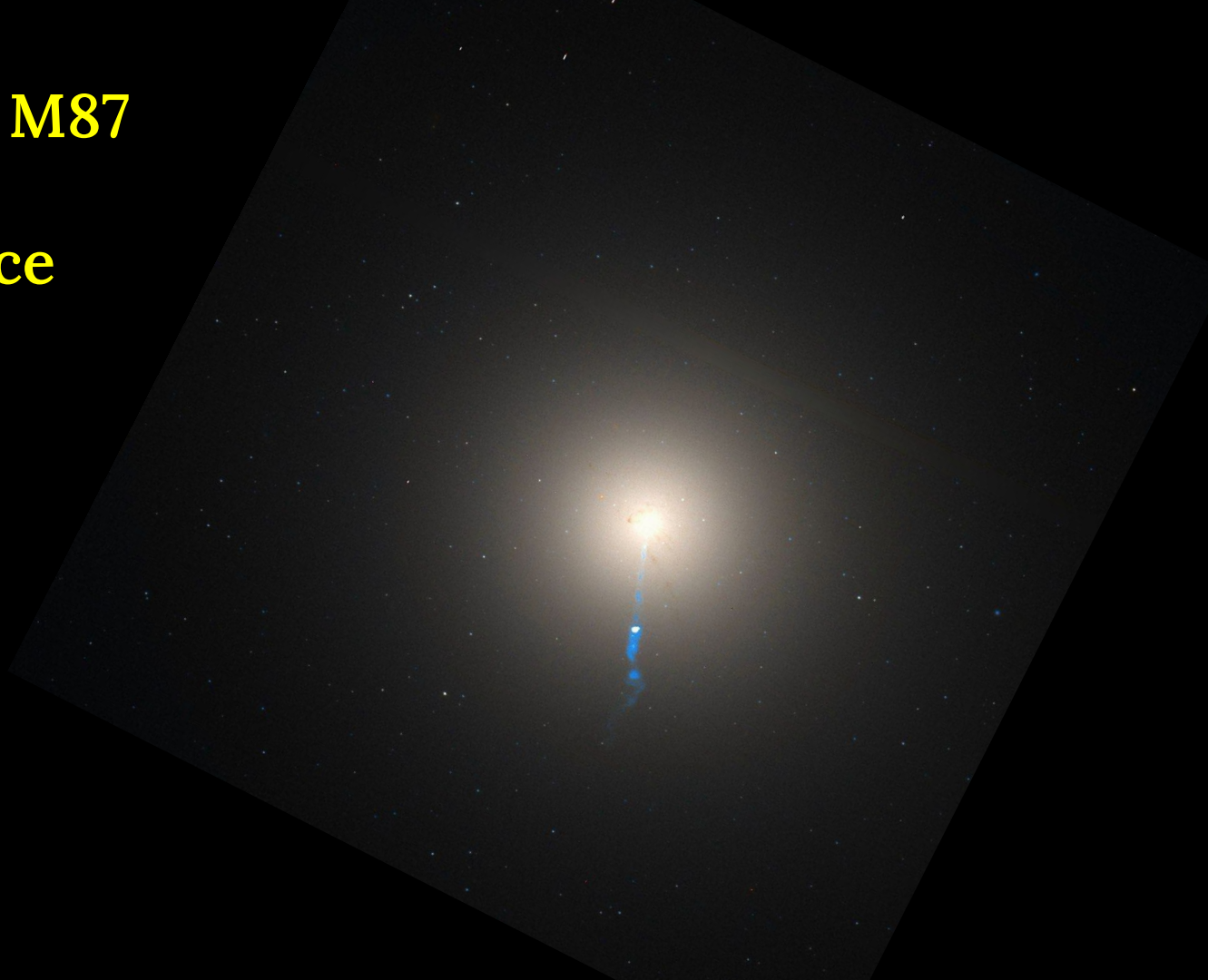
Credits: EHT collaboration

# Radio Interferometry: A Closer Look at an Extragalactic Jet (J1230+1223)



# The Magnificent M87

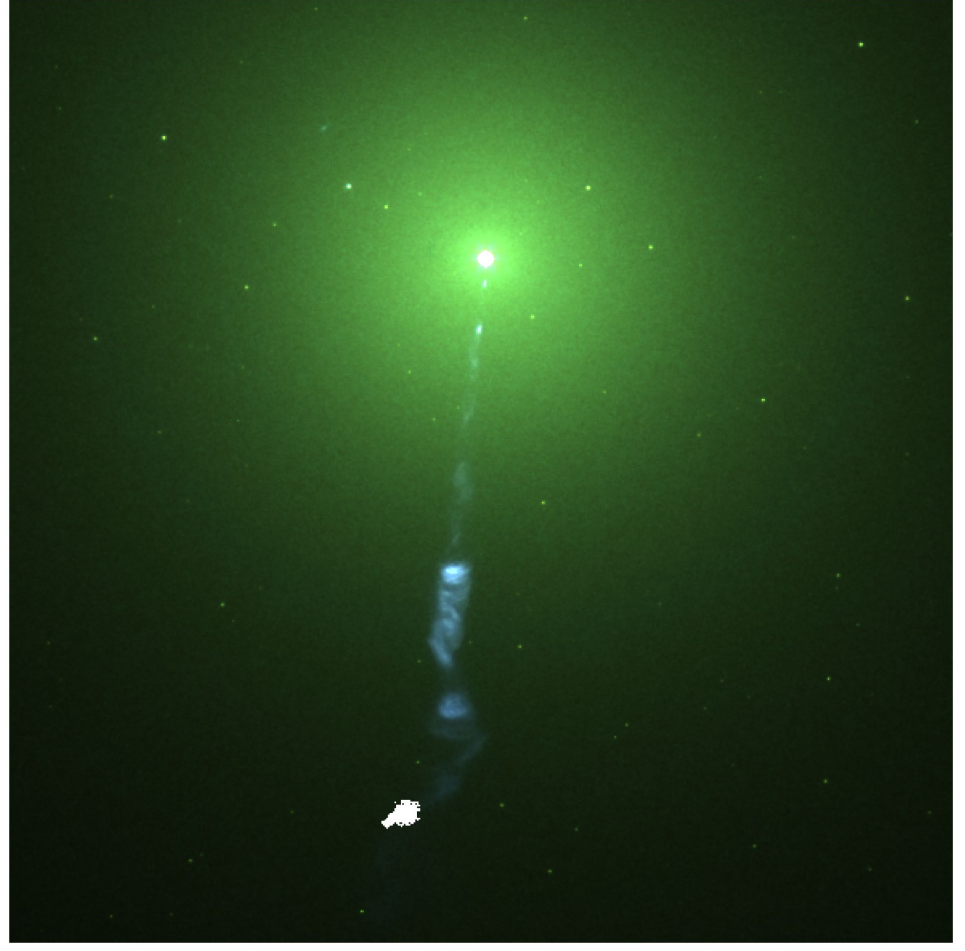
A Hubble Space  
Telescope  
Perspective



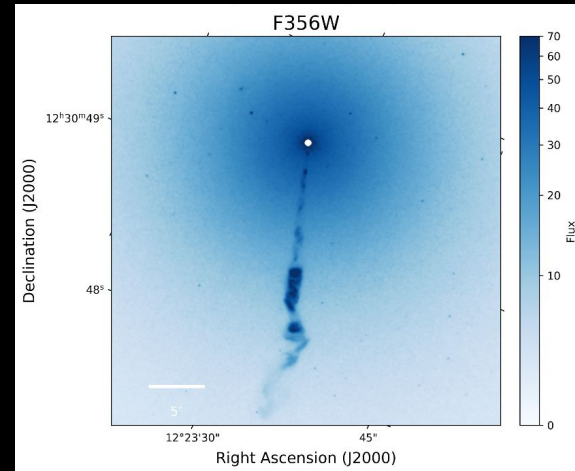
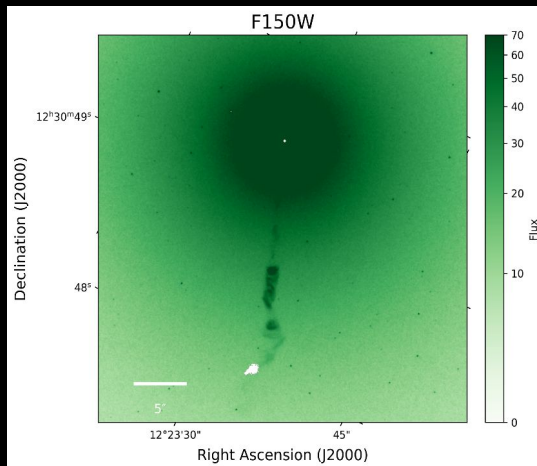
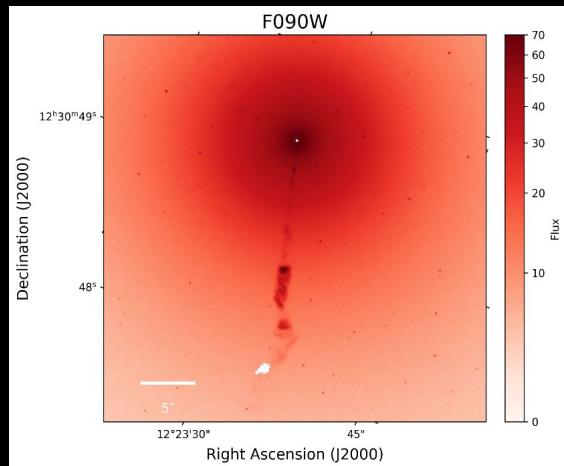
# The Majestic Jet of M87

## A JWST NIRCarn Perspective

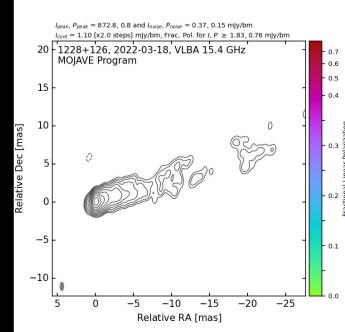
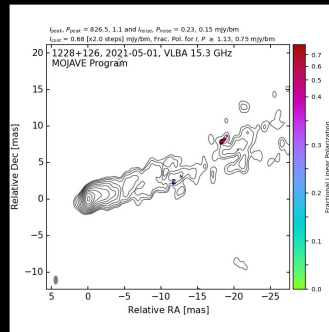
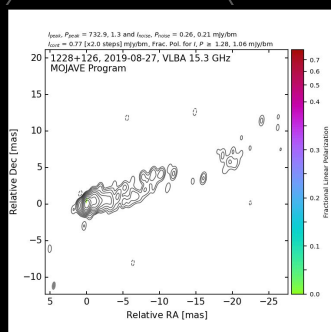
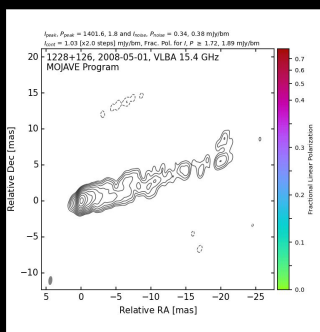
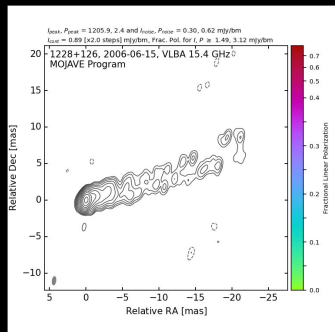
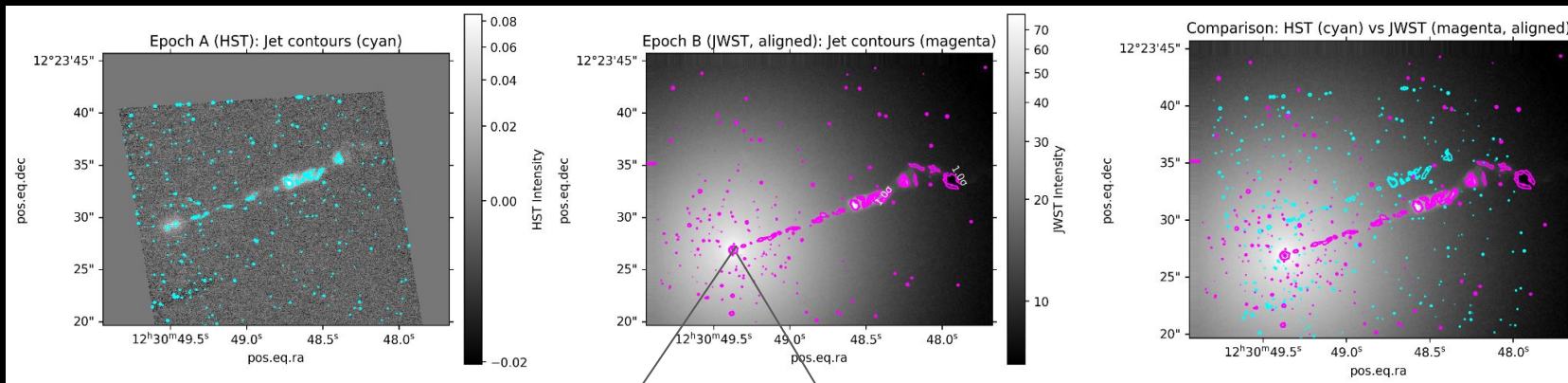
RGB Composite: Red = F090W, Green = F150W, Blue = F356W



# JWST NIRCam Insights into M 87 Through Different Filters



# M87 Jet: Stability in Arcseconds, Change in Milliarcseconds



Thank you!