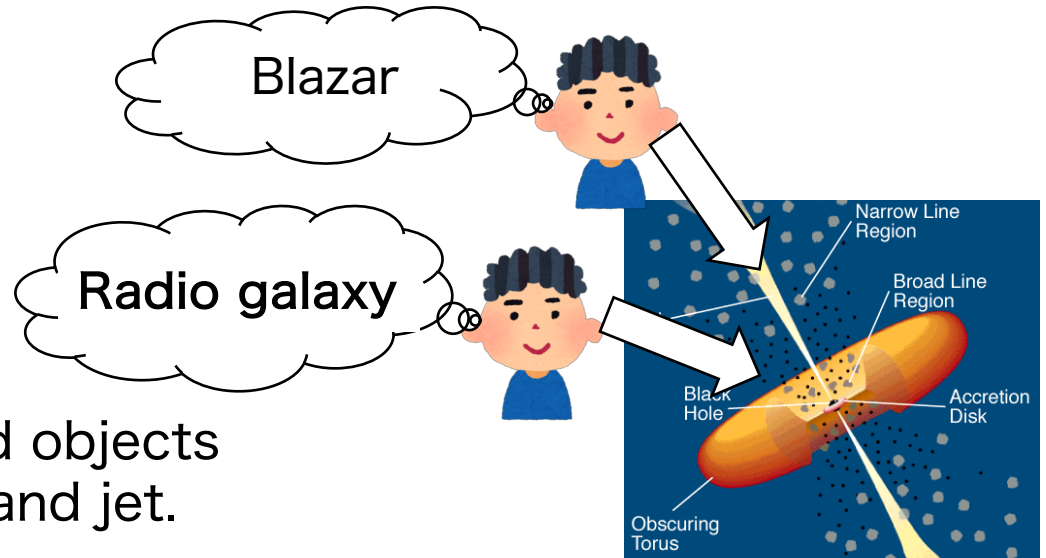


# 13 Study of the Opt/UV and X-ray variability of NGC1275 with Swift

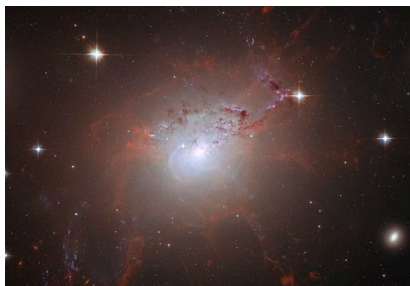
Fumiya Imazato, Yasushi Fukazawa (Hiroshima University)



Radio galaxies are good objects for studying both disk and jet.

The origin of Opt/UV - X-ray emission is unclear. Jet? disk/corona?

⇒ We compared Opt/UV - X-ray data with Gamma-ray data(jet)

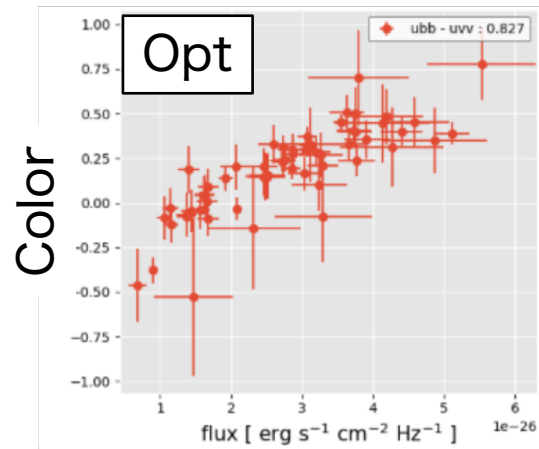
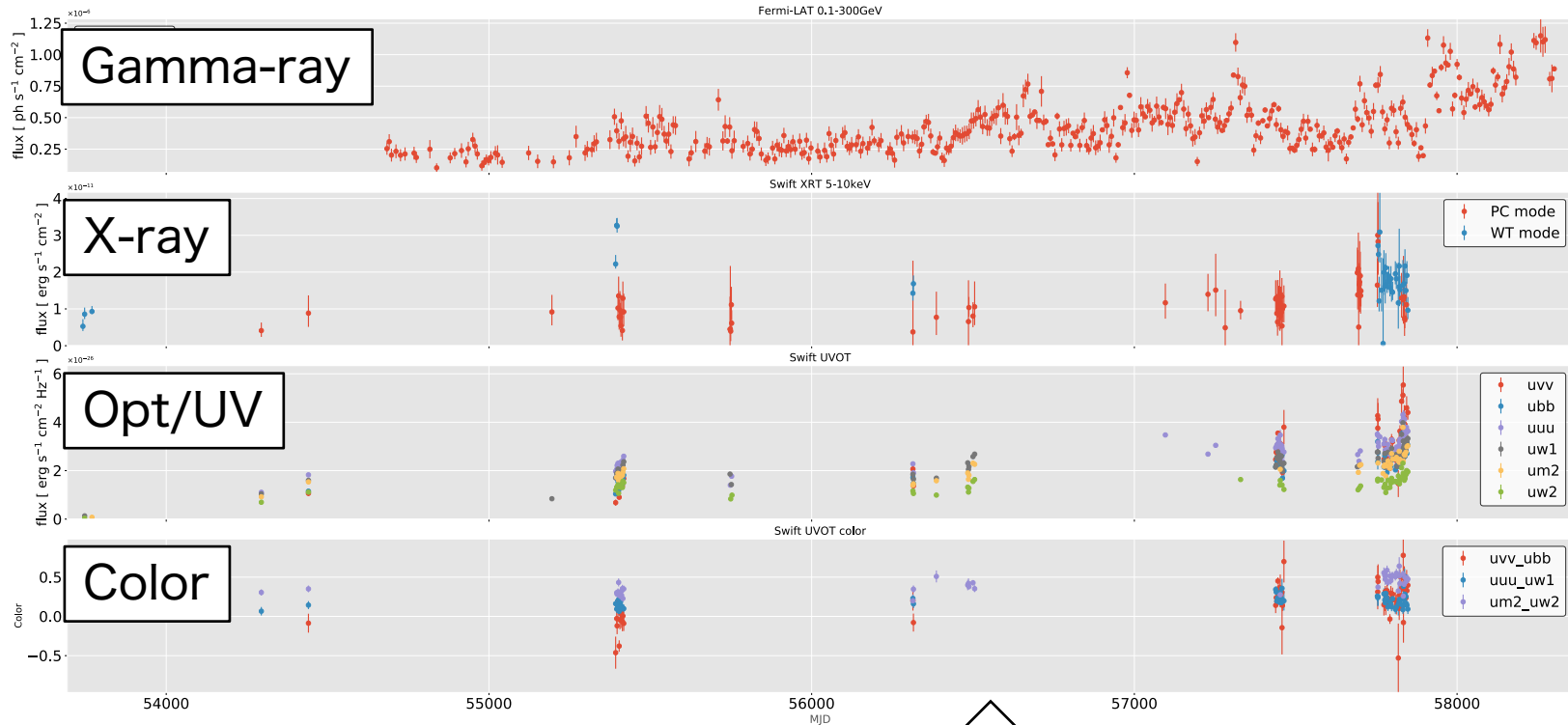


NGC 1275

- cD galaxy( $z \sim 0.00176$ )
- $6 - 15 \times 10^8 M_{\odot}$  (scharwachter+13)
- Brightest gamma-ray emitting radio galaxy
- The origin of gamma-ray and radio is jet

# 13 Study of the Opt/UV and X-ray variability of NGC1275 with Swift

## Lightcurves



Opt/UV – X-ray flux have gradually increased

Redder-when-brighter

Flux