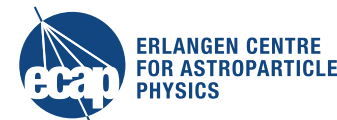


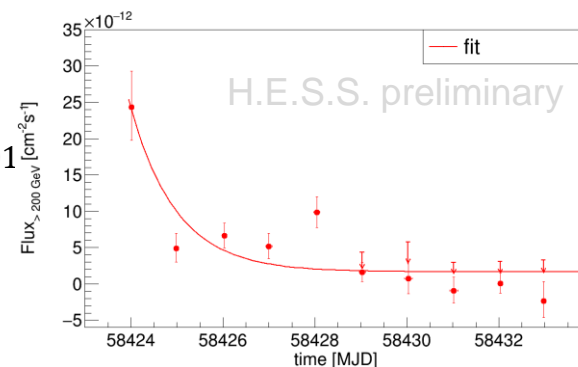
Is PKS 0625-354 another variable TeV active galactic nucleus?



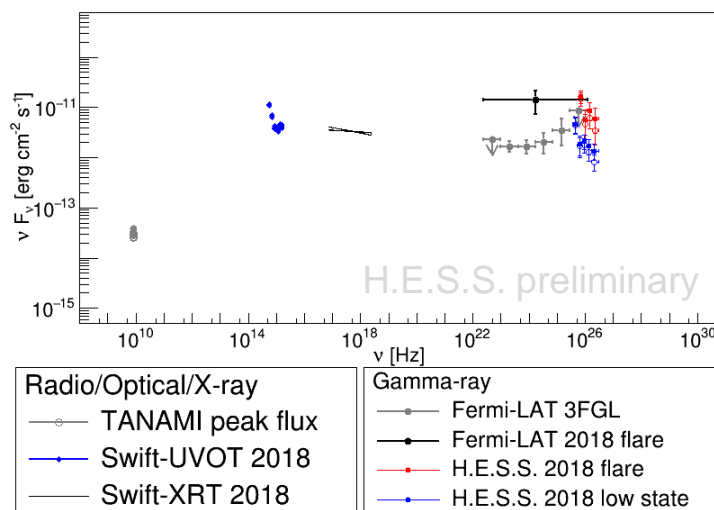
- Classification unclear
- optical spectrum similar to BL Lac type object ([OIII] line luminosity)
- kpc-scale image show two extended radio lobes as expected for FR I radio galaxy
- pc-scale structured one-sided
- detected in TeV band (H.E.S.S. Collaboration 2018)

- TeV variability in Nov. 2018

- 17.5 h of data
- 8.7σ in total
- flare on 2018-01-01
- $t_{\text{Var}} = (17 \pm 7) \text{ h}$
- no sign. spectral variability



- Multi-band SED in Nov. 2018



- Viewing angle

- Upper limit on viewing angle $\theta < 24^\circ$ for $\tau_{\text{γγ}} < 1$
- compare $\theta < 53^\circ$ for viewing angle based on jet-to-counterjet ratio of parsec-scale radio jet [Angioni et al., 2019]

