

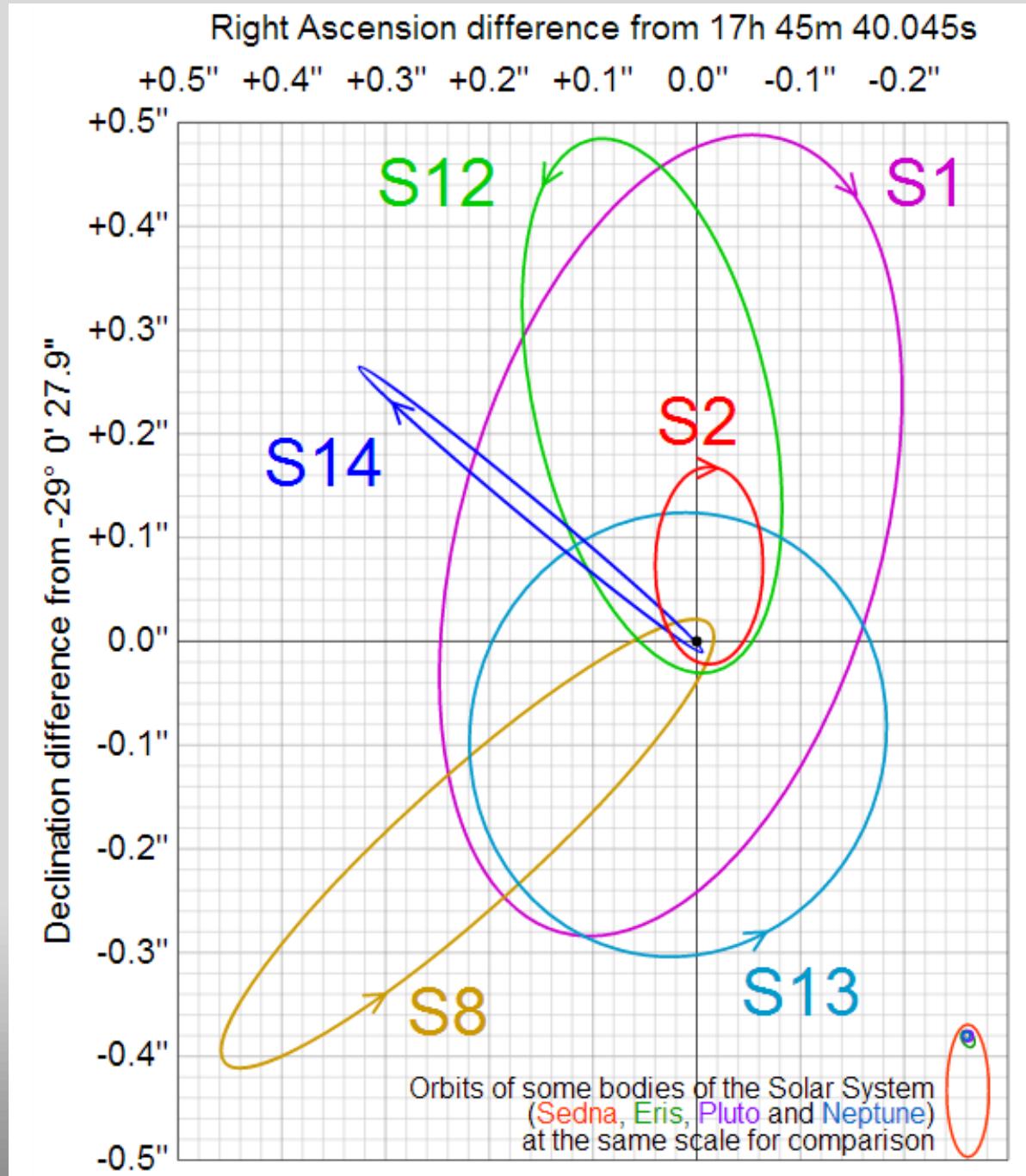
Sagittarius A* in gamma-rays

Fabio Cafardo

fabio.cafardo@usp.br

Sagittarius A*

- Closest supermassive blackhole: 8 kpc
- $4,1 \times 10^6 M_{\odot}$





Justin Ng, Your Shot

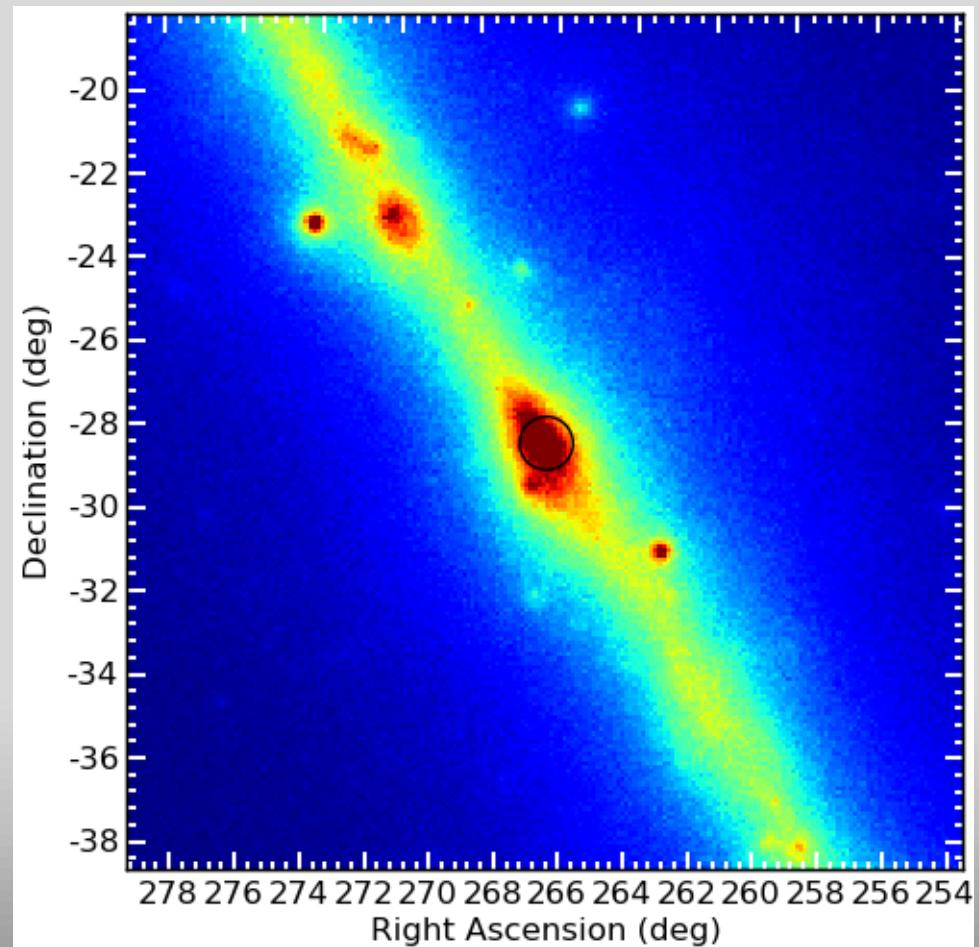
Sagittarius A*

- Closest supermassive blackhole: 8 kpc
- $4,1 \times 10^6 M_{\odot}$
- Optical: 25 magnitudes of extinction by dust and gas between the source and Earth

Sagittarius A* in gamma rays

This counts map:

- ROI: 15°
- 7.7 years of data
- 100 MeV to 300 GeV



Sagittarius A* in gamma rays

- characterize the SgrA* gamma-ray emission in order to constrain the nature of high-energy processes
- produce light curves looking for periods of flaring activity
- search for correlations between gamma-rays light curves with others in different wavelengths