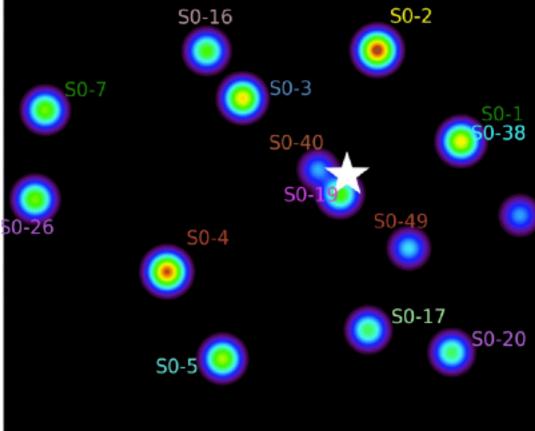


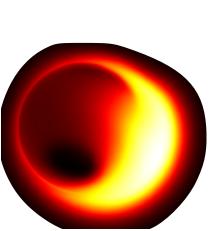


## 1995.5



Keck/UCLA Galactic Center Group S0-30



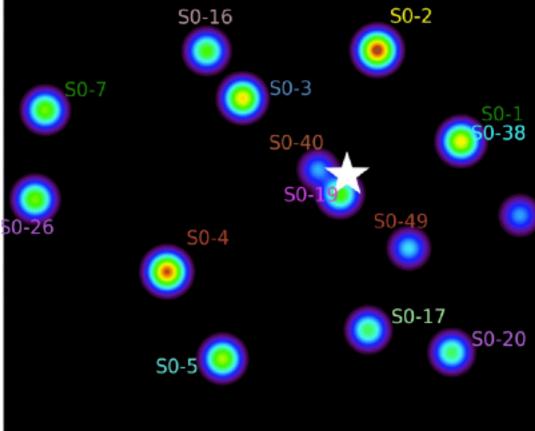






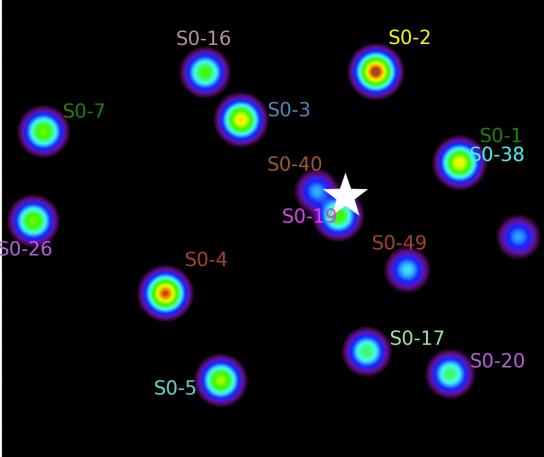


## 1995.5



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### 1995.5

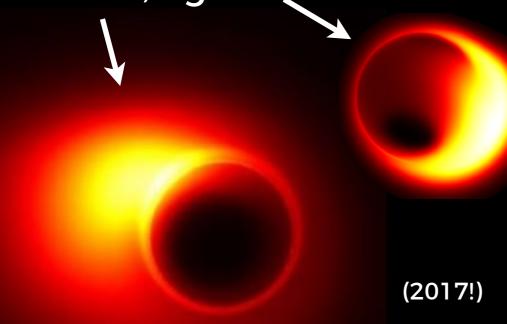


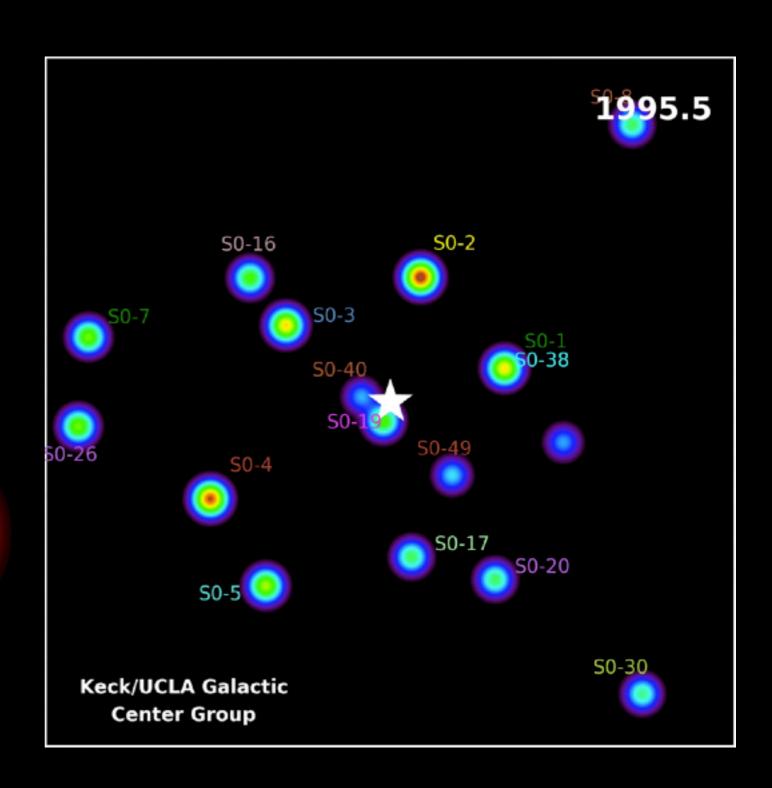
Keck/UCLA Galactic Center Group S0-30

# The importance of black holes

- Highly energetic
  - Quasars
  - ▶ GRBs
- Feedback into environment
  - Galaxy evolution
  - Large-scale structure
- EHT
  - Image black holes

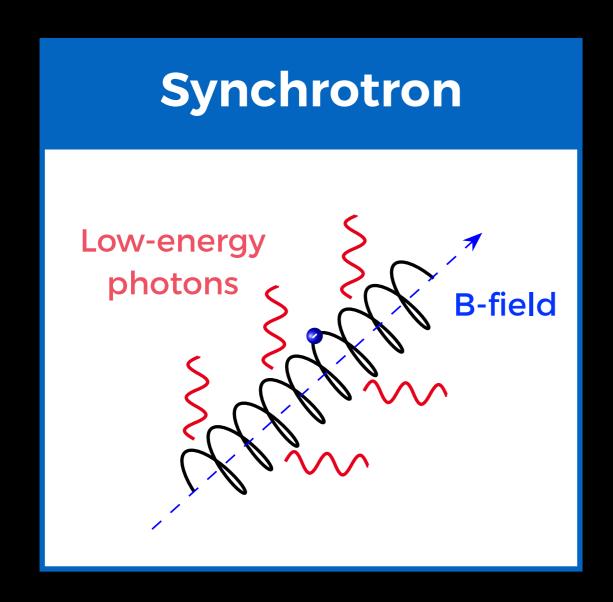


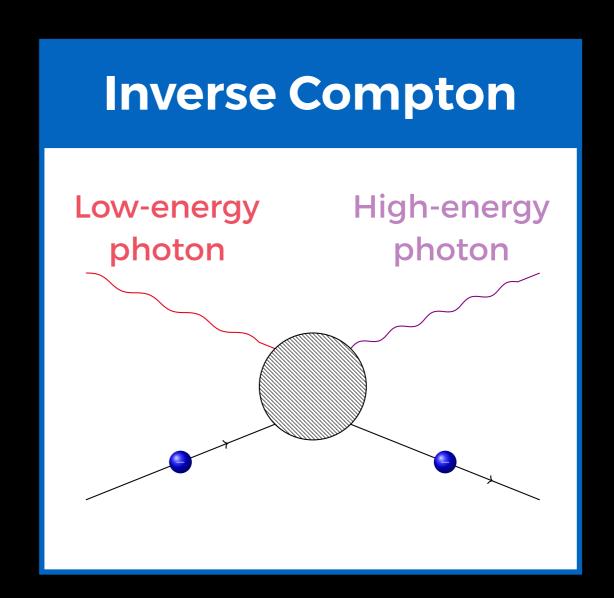




#### Electrons in accretion disk make radiation

Energetic electrons can produce radiation through various processes:





Electrons are responsible for observed radiation profiles, yet the production of energetic electrons is **unresolved** in global simulations