

Cen A

Observation plan

A single 100 ks observation

Immediate objectives

- [1] Measure a fluorescence Fe-K α line profile to constrain the accretion geometry by Doppler/relativistic effects.
- [2] 2. Detect ionized Fe-K absorption lines to measure a velocity, ionization, column density to constrain physical parameters of warm absorbers and/or UFO.
- [3] 3. Detect flux variability of a 6.4 keV Fe-K line, photoelectric absorption (Fe-K edge, NH, ...), and ionized Fe-K absorption lines.
- [4] 4. Search for shock features caused by jet interaction in the soft thermal emission.