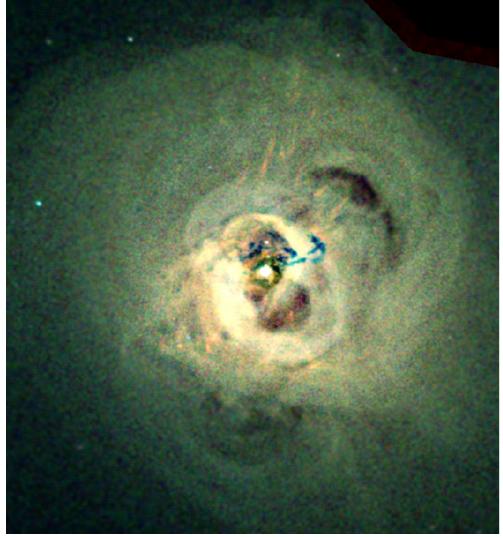
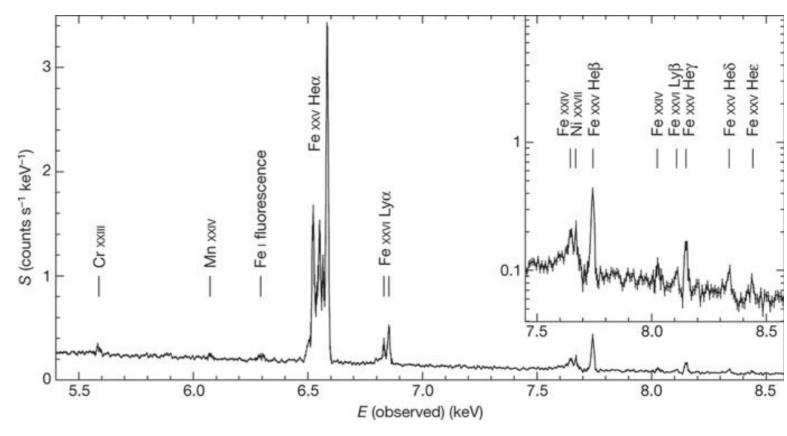
## X-ray observation of Perseus Cluster Core

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Questions: What is cooling flow problem? How to use CLOUDY to reproduce the spectra?





X-ray spectrum of Perseus cluster core by Hitomi Observation

**Chandra Image of Perseus core** 

Source: https://en.wikipedia.org/wiki/Perseus\_Cluster https://www.nature.com/articles/nature18627