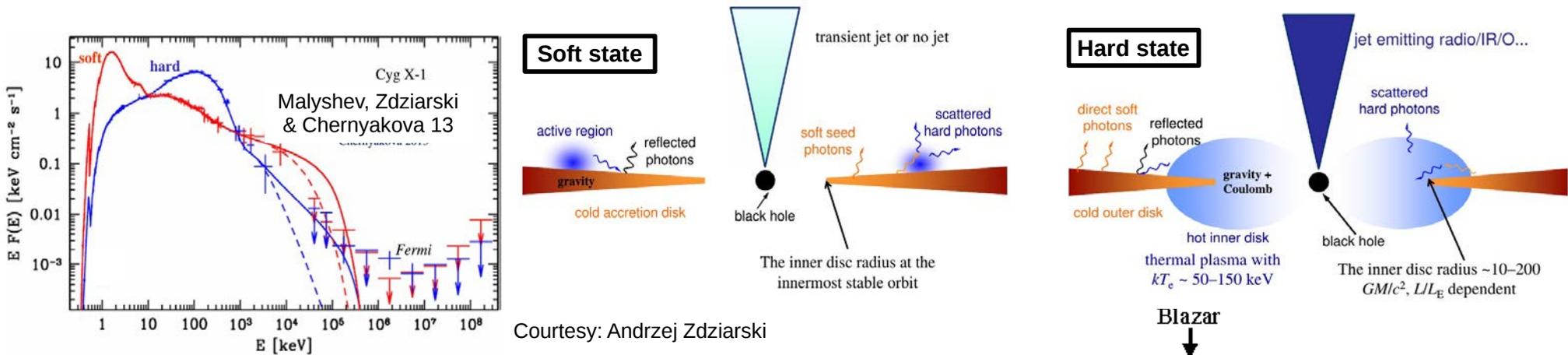


Accretion flow and reflection in XRB and AGN

- An introduction for Cloudy workshop by **Rupal Basak**, postdoc, CAMK, Warsaw

- **X-ray binary:** primarily two states: (a) high soft and (b) low hard. In the hard state, the inner region is replaced with a hot flow, either continuous or patchy.



- **Current project:** Truncation of accretion disk in a black hole X-ray binary, GX 339-4 in the hard state. Low reflection fraction indicates a patchy accretion flow in the inner region.

- **AGN:** model the broad line region with cloudy. May provide an insight for the patchy structure of the inner hot flow in X-ray binary.