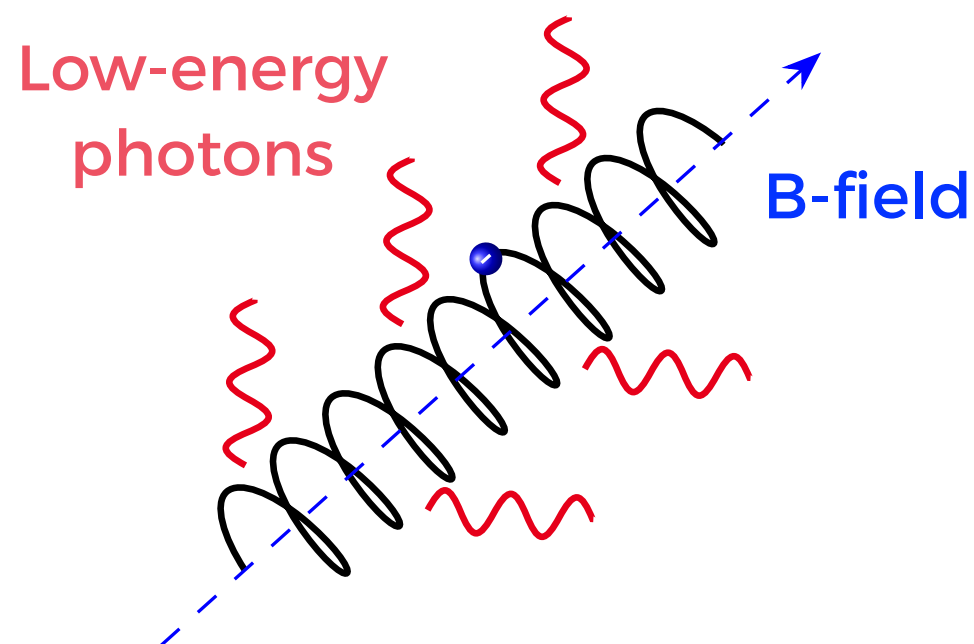


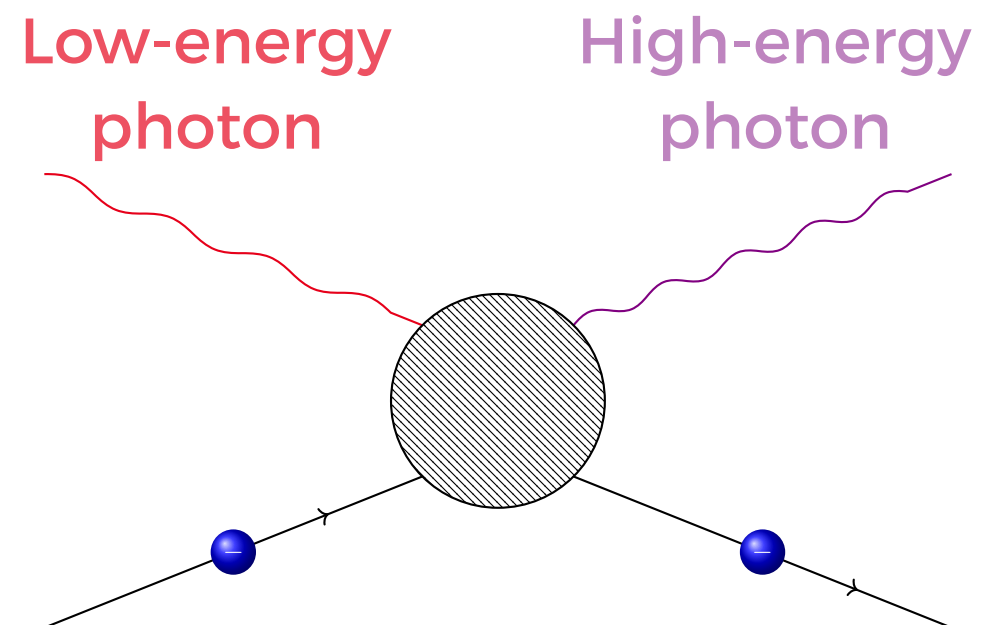
Electrons in accretion disk make radiation

Energetic electrons can produce radiation through various processes:

Synchrotron



Inverse Compton



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

How can we make global simulations more complete?

Global fluid simulations of collisionless accretion disk radiation are **potentially in great error**

