

平成28年9月

35604-1005 観測天文学特別講義Vの開講について

(Observational Astronomy, Advanced Course V)

下記の通り集中講義を行いますので、お知らせいたします。

天文学専攻

日時：9月28日(水) 14:55~16:40, 9月29日(木) 14:55~16:40
9月30日(金) 14:55~16:40
10月5日(水) 14:55~16:40, 10月6日(木) 14:55~16:40
10月7日(金) 14:55~16:40

場所：理学部1号館中央棟10階1043号室、
講師：DONE Christine 教授 (Durham 大学)

授業の目標・概要 (Course Objectives/Overview) :

I will outline the physical mechanisms which produce the X-ray radiation we observed from the accretion flow in strong gravity. I will focus on how these can be used as a toolkit to interpret the spectra and variability of black hole and neutron star binaries and Active Galactic Nuclei. I also discuss how to use these to physically interpret real data using the publicly available XSPEC spectral fitting package, and how this has led to current models (and controversies) of the accretion flow.

授業計画 (Schedule) :

lecture 1: introduction to accretion in strong gravity
lecture 2: blackbody radiation and Compton scattering
lecture 3: photo-electric absorption and ionisation
lecture 4: reflection
lecture 5: jet physics
lecture 6: open questions and controversies