

第25回 RESCEU コロキウム



東京大学大学院理学系研究科 附属ビッグバン宇宙国際研究センター

日 時: 2018年5月10日(木) 13:30 ~ 14:30

場 所: 理学部4号館1階ピロティ RESCEU セミナー室

講 師: Kazuyuki Sugimura 氏 (Itohoku University)

Accretion onto seed BHs: the impacts of radiation anisotropy and gas angular momentum

Seed black hole (BH) growth by gas accretion is supposed to play a crucial role in the formation of supermassive BHs. In this talk, I will present the results of our simulations that follow gas accretion onto seed BHs under radiation feedback considering the radiation anisotropy and gas angular momentum. We find that the effects of radiation anisotropy and gas angular momentum can significantly change the accretion rate. I will also discuss the growth of Pop III remnant BHs based on our findings.

興味をお持ちの方の聴講を歓迎致します。お茶とお菓子を用意しております。