

第80回(2023年度第01回) 極限宇宙研究拠点セミナー (the 1st Core-U Seminar in 2023)

日時 : 2023年07月21日(金)13 : 00-14:00 Date/Time: 21st/Jul (Fri.)/2023 13:00-14:00
形式 : C212 & Zoom Format: C212+online (zoom)
講師 (Speaker) : Prof. Matthew A. Malkan, UCLA

題目(Title)

New Surprises in Extragalactic Astronomy from JWST

概要(Abstract)

JWST's unmatched sensitivity across the full range of infrared wavelengths, with unprecedented spatial resolution, is revolutionizing every area of astronomy in its first year--as we expected. I will present a personally biased list of several JWST surprises in extragalactic astronomy that many of us did NOT predict. I'll start with unexpected results on galaxies JWST is finding at very high redshifts, including how and where they rapidly formed stars, metals and dust, and re-ionized the Universe. Then I'll discuss JWST observations of nearby active galactic nuclei. We may have missed a lot of them previously due to their amazingly heavy dust obscuration. And some of our ideas about how their outflows might have shut down star formation--known as "AGN feedback"--may also need revision. In fact, we may have to re-think some of our ideas about what a 'galaxy' and an 'AGN' actually are. While trying to answer these questions, we should look at the incredible new data with open minds.

Zoom link :

<https://us02web.zoom.us/j/81518083941?pwd=a25ENTZ5MloydXVLCgVKa0RRcC9IQT09>

Meeting ID: 815 1808 3941

Passcode: 144170

本セミナーは共同セミナー（理工学融合共同演習）の対象です。先進理工系科学研究科の他プログラム専門科目、共同セミナー等の認定を受ける人は07月21日(金) 12時までに水野

(mizuno@astro.hiroshima-u.ac.jp) あてに氏名および学生番号をメールで連絡して下さい

* 出席確認は、講演終了時、質疑応答前に行う

* 司会のアナウンスに応じZoomチャット機能で水野に学籍番号と名前を送る

* セミナー終了後1週間以内(07/28 金曜一杯)に水野（居室：理学部B203）にサインをもらいに行くこと。

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