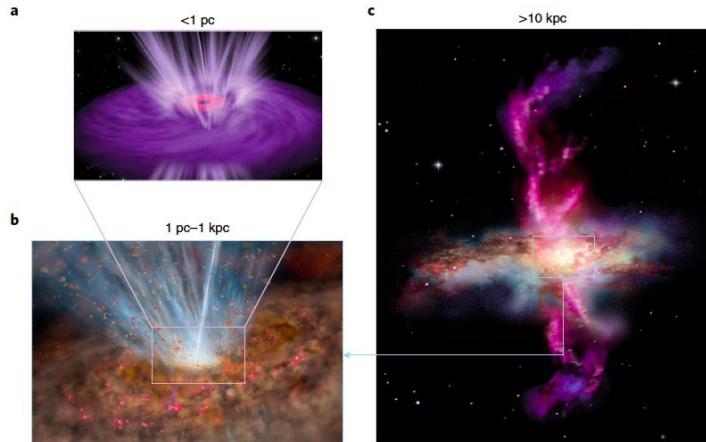
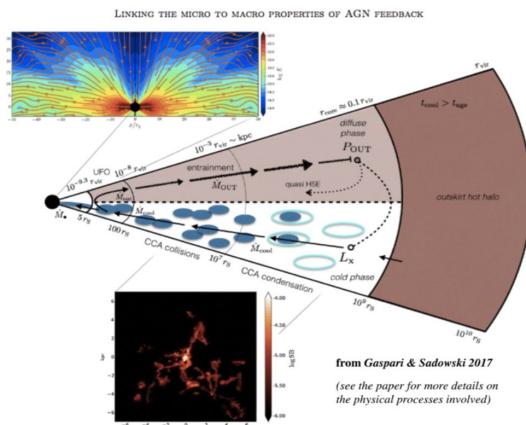


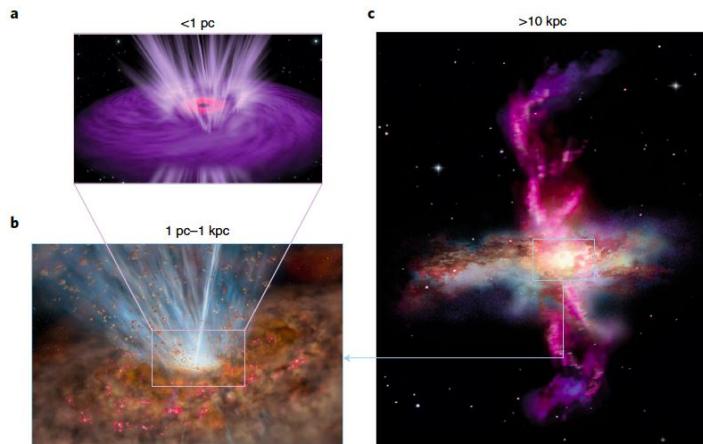
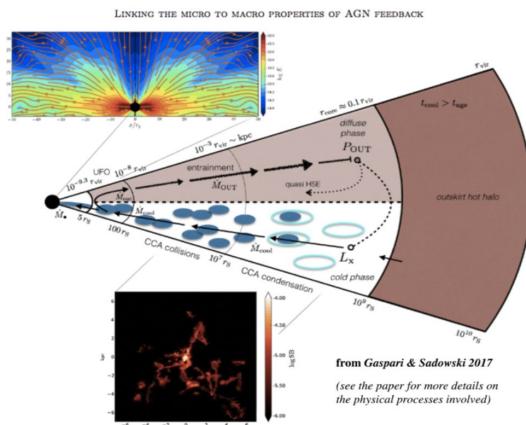
# Radio emission and winds feedback in SUBWAYS



**Scientific objective:** The SUBWAYS (SUpermassive Black Hole Winds in X-rayS) sample is made of 23 radio-quiet AGN, selected for the multi-frequency study of multi-phase outflows. The radio observations aim at studying the origin of the emission in highly-accreting quasars, the connection of radio outflows with UFOs (Ultra-Fast Outflows), and the one linking radio emission with multi-scale outflows.

**Method:** Reduction and analysis of multi-frequency data collected with the VLA. Identification of the emission process, morphological study, radio/X-rays connection thanks to XMM data.

# Emissione radio e feedback da venti nel campione SUBWAYS



Obiettivo scientifico: Il campione SUBWAYS (SUpermassive Black Hole Winds in X-rayS) comprende 23 AGN radio-quieti, selezionati per lo studio del multi-phase outflow tramite studio multifrequenza. Le osservazioni in banda radio hanno lo scopo di studiare l'origine dell'emissione in quasars ad alto accrescimento, la connessione tra l'outflow radio e gli UFO (Ultra-Fast Outflows), e quella tra emissione radio e multi-scale outflows.

Metodo: Riduzione e analisi di dati multifrequenza raccolti con il VLA. Identificazione del processo di emissione, studio della morfologia radio, connessione radio/X-rays tramite dati XMM.