



Sesto, Italy  
9-13 July 2018

## MULTIPHASE AGN FEEDING & FEEDBACK

LINKING THE MICRO TO MACRO SCALES IN GALAXIES, GROUPS, AND CLUSTERS

### RATIONALE

Recent observations have unveiled spectacular interactions of the supermassive black hole with the host galaxy atmosphere in the form of outflows, X-ray cavities, shocks, metal uplifts, and turbulence. At the same time, the hot halos of galaxies, groups, and clusters recurrently condense in localized regions forming multiphase filaments and clouds which rain onto the central black hole. Linking the macro to micro scales - and vice versa - of feeding and feedback processes is crucial to advance our knowledge of the evolution of black holes, galaxies, and clusters of galaxies. The aim of the workshop is to bring together active researchers in these fields to discuss the latest results, confront state-of-the-art simulations, models, and observations, as well as promote new collaborations and set the path to future observational and numerical campaigns.

### SCIENTIFIC ORGANIZING COMMITTEE

Massimo Gaspari (U. Princeton) | Francesco Tombesi (U. Rome; U. Maryland; NASA-GSFC) | Massimo Cappi (INAF-IASF Bologna)

### CONFIRMED INVITED SPEAKERS

K. Alatalo | E. Behar | L. Birzan | M. Bourne | M. Brusa | R. Canning | G. Chartas | C. Cicone | F. Combes | M. Crenshaw | M. Dadina | N. Devereux | M. Donahue | A. Edge | S. Etori | C.-A. Faucher-Giguère | C. Feruglio | F. Fiore | K. Fogarty | K. Fukumura | M. Gitti | K. Hall | S. Hamer | S. Johnson | A. King | S. Kraemer | J. Kriss | S. Laha | K. Lakhchaura | G. Lanzuisi | E. Lau | F. Maccagni | V. Mainieri | M. McDonald | B. McNamara | R. Maiolino | R. Morganti | N. Nesvadba | S. Noble | T. Oosterloo | E. Piconcelli | I. Prandoni | C. S. Reynolds | M. Revalski | T. Rose | J. Sanders | S. Veilleux | C. Vignali | M. Voit | A. Wagner | T. Waters | N. Werner | D. Wittor | D. Wylezalek | H.-Y. Yang | N. Zakamska

