Galactic Winds

- How can we use observations to unambiguously distinguish star formation vs. AGN powered galactic winds?
- Do AGN powered winds/jets significantly impact star formation and gas in their host galaxy or do they simply ‘vent’?
- Given the tremendous uncertainties in cosmic-ray transport physics, what is the path forward for understanding the role of cosmic rays in driving galactic winds?
- For numerical galaxy formation models to be predictive, what level of detail is required in modeling the ISM and resulting galactic winds? Is this achievable?