

A collaborative workshop for people actively involved or interested in a fast growing topic in galaxy cluster studies: the early interaction stage of merging objects, which can shed new light on the thermal and on the non thermal properties of the most diluted baryons in the Cosmic Web.

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SPEAKERS

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TOPICS

1. Which physical conditions should be expected for the gas and magnetic fields in these early interacting regions? What are the challenges to simulate/observe them?
2. Which new observational features should we expect (or might have already seen) in these regions? (strong non thermal pressure? inverse Compton? unexpected magnetic fields? puzzling radio spectra? high metallicity?)
3. Which sensitivities (or statistics) will be required in X-ray/radio/SZ to improve our understanding of these regions? Would stacking or deeper observations of single objects be best here?