

# Multiwavelength need for the DM&NP Working group

Assignment – each science group should provide Peter and the MW Coordination Group (Dave Thompson as representative) with a prioritized list of science topics needing MW support, including justification and specific examples. Needed soon (by end of September?).

Also needed – spreadsheet of all MW resources, linked to the science topics, with contact information. See example spreadsheet. Propose to post this to the MW Confluence page to be available to the LAT Collaboration as a resource.

spreadsheet



Timescale			Facilities	Facility contact	LAT contact	Resources needed	Notes/Details
Survey/followup	Contemporaneous	Simultaneous					
	X		ATNF Parkes	Simon Johnston	Roger Romani	Post-doc	Multi-beam (13) receiver



every unidentified object can be a DM source.

How Multi-frequency observation can help ?



Multi-frequency  
analysis of neutralino  
dark matter  
annihilations in the  
Coma cluster

$B_\mu$  = mean magnetic field in Coma

profile from Navarro 04

$$g_{D05}(x) = \frac{1}{x^\gamma(1+x)^{3-\gamma}} \quad \text{with} \quad \gamma \simeq 1.2 .$$

astro-ph/0507575

