

## ABSTRACT ONLY

SEARCHING FOR HIGH-Z LYMAN  $\alpha$  SOURCES  
IN THE SHARDS SURVEY AND DISCOVERY  
OF A PROTO-CLUSTER AT  $Z=6.5$   
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We are carrying out a search for Lyman  $\alpha$  sources in the SHARDS Survey. We have 96 candidates, consisting of both Lyman  $\alpha$  emitters (LAEs) and Lyman Break Galaxies (LBGs). I will present the main features of the sample selected, including the spectroscopy of a pair of close by sources, which happen to show two recurrent bursts of star formation. I will also show our ALBA search for low luminosity Lyman  $\alpha$  sources at  $z\sim 6.5$ , and how these form a proto-cluster that will collapse into a full fledged cluster by  $z\sim 2$ . By  $z=0$  this cluster would reach a mass similar to or greater than that of the Coma cluster.

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