Instituto de Astronomía
Universidad Nacional Autónoma de México
Sede Ensenada, Baja California, México

Seminario

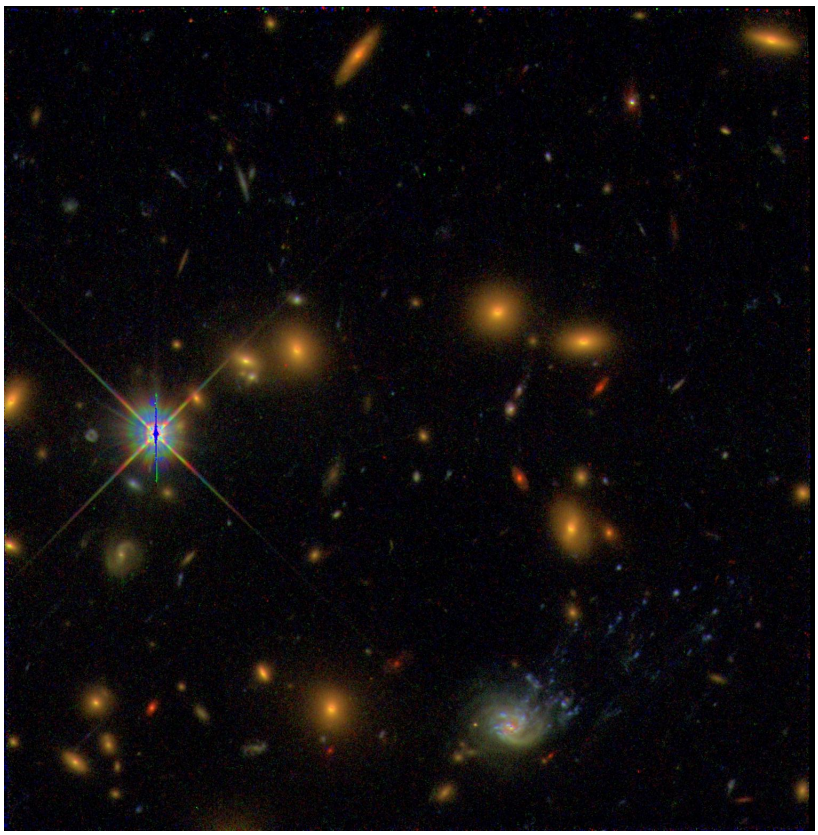
Miércoles, 26 de Octubre de 2011

11:00 hrs, Auditorio IA-Ensenada

Hector Bravo Alfaro

(Departamento de Astronomía, Universidad de Guanajuato)

"STRONG TRANSFORMATION OF SPIRAL GALAXIES: GAS STRIPPING AND DISRUPTED STELLAR DISKS IN MASSIVE GALAXY CLUSTERS"



In the last few years several late-type galaxies have been reported having deeply disrupted stellar disks, and others with extended Halpha/HI tails. They constitute good candidates to be at the origin of intra cluster star formation, confirming the strong transformation that some galaxies are ongoing during the infall towards massive clusters. In this talk we present a short review of the main results published on this issue, as well as its relation with other phenomena such as intra cluster light features and the origin of ultra compact dwarf galaxies. Within the same context, we show preliminary results coming from a VLA-HI imaging survey of two groups of galaxies displaying spectacular gas tails with projected lengths of 125 kpc and 250 kpc. The HI features associated to these groups (presumably infalling into Abell 1367) are among the longest gas tails ever reported.