

# Çukurova University Participation in CA15139

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# Group members

- Gülsen Önengüt, Prof. in Çağ University, Mersin
- Aysel Kayış Topaksu, Prof. in Çukurova University (ÇÜ), Adana
- Gül Gökbulut, Ph.D., in Ç.Ü, Adana
- Ufuk Güney Tok, graduate student in Ç.Ü, Adana
- One more student could be joined if needed.

# Experience in General

- CMS Experiment at CERN
  - Hadron Calorimeters (HCAL and CASTOR)
    - Contribution to construction, commissioning, test beams, analysis etc.
  - SM Physics
  - B Physics

# Experience in Neutrino Physics

- CHORUS Experiment at CERN (G.Önengüt, A. Kayış Topaksu)
  - Detector simulation and efficiency studies, charm physics, 1994-2005
- HARP Experiment at CERN (A. Kayış Topaksu)
  - particle identification studies, 2003-2005
- Summer internship on SNO Experiment (Gul Gokbulut), 2005

# Intention in CA15139

- At a first glance WG1 tasks look appropriate for our previous experiences, but further discussion is needed in order to commit ourselves to certain tasks. It will mainly be on performance and simulation studies.
- Roumen's first suggestion is;  
transportation of nu beam through the Earth's crust and generate interactions, study its response and reconstruct events in the far detector.