

IDM2008 - Identification of Dark Matter 2008

Monday 18 August 2008 - Friday 22 August 2008

AlbaNova

Conference Scientific Programme

Direct detection - experiments

Experiments performing direct searches for dark matter.

Indirect searches - charged cosmic rays

Indirect searches for dark matter with charged cosmic rays.

Indirect searches - gammas

Indirect searches for dark matter with gamma rays

Indirect searches - neutrinos

Indirect searches for dark matter with neutrinos

Multi messenger searches

Searches for dark matter with many different methods and correlations among them.

Dark energy / Cosmology

Dark energy and cosmology.

Dark matter cosmology / structure formation

Dark matter structure from observations (lensing, small scale structure etc) and simulations.

Connections with accelerators

Connections with accelerators (mainly the LHC and ILC)

Dark matter phenomenology / theory

Dark matter candidates from a theoretical, phenomenological perspective.

Axions - theory and experiment

Axions as dark matter from a theoretical and experimental point of view.

Neutrino properties

Constraints on neutrino masses and oscillations and experiments.

Dark Stars

Dark matter effects on the evolution of stars.

Summary

Summary session with summary talks and possibly plenary discussions.

Poster session

Posters in all fields of the conference.

Parallel A: Background studies for direct detection

Background studies for direct detection experiments.

Parallel B: Theoretical models and related topics

ILIAS network