

# **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**