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**HK 1: Plenary I**

Time: Monday 9:00–10:30

Location: Audi-Max

**Welcome**

**Invited Talk** HK 1.1 Mo 10:00 Audi-Max  
**Detection of dark matter : status and prospects** — ●GILLES GERBIER — CEA Saclay, BP 2, 91191 Gif s Yvette, France

Identifying the nature of the Dark Matter in the universe is one of the most central issues of modern science. Weakly Interacting Massive Particles (WIMPs), originating from new physics at the TeV scale,

constitute an attractive class of candidates. Such WIMPs would be concentrated in the halo of our galaxy and could be detected through elastic scattering on suitable targets in an underground terrestrial laboratory or by their annihilation products in dense parts of the galaxy, neutrinos, positrons, antiprotons, gamma rays. A summary of the numerous experimental investigations will be given with emphasis on most recent results and expected sensitivities from future experiments.