



ID de Contribution: 142

Type: **Talk**

Constraining neutrinos masses in the PLANCK era

mercredi 28 juillet 2010 09:30 (35 minutes)

Particle Physics teaches us that neutrinos do have a mass and therefore contribute to the matter energy budget in the universe. After reviewing by which mechanisms cosmology constrain the fraction of HDM, I will review the current bounds and extrapolate the results to the soon-to-come PLANCK data. In particular I will show how CMB lensing reconstruction can be performed for the first time with PLANCK, tightening even more the expected sensitivity to neutrino masses.

Auteur principal: Dr PLASZCZYNSKI, stephane (CNRS)

Orateur: Dr PLASZCZYNSKI, stephane (CNRS)

Classification de Session: Plenary session : Indirect Searches and Neutrinos