



## *Séminaire du Laboratoire de l'Accélérateur Linéaire*

**Sako Takashi**

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*Jour inhabituel*

**Lundi 26 Mai 2008 à 11 :00**

## **Activity of the cosmic-ray group in the Nagoya university and the MOA project**

MOA (Microlensing Observations in Astrophysics) is a project to search gravitational microlens. Gravitational microlens is a phenomenon that a massive stellar object amplifies brightness of a background star. Through this effect, invisible objects like MACHOs (MASSIVE Compact Halo Objects) and extra-solar planets can be studied. Because the probability of microlens is very small, event survey with wide field telescopes is important. MOA is leading the field by using the widest field survey telescope. MOA is conducted mainly by the cosmic-ray group in the Nagoya university. The group also conducts the studies of solar energetic particles, neutrino astrophysics using Super-Kamiokande, cosmic-ray interaction using LHC, paleoclimate using cosmic-ray induced radio isotopes. I will also introduce our activity together with the detail of the MOA project.

**Salle 101 du LAL - Bât. 200, Orsay**

Thé et café seront servis 1/4 h avant le séminaire