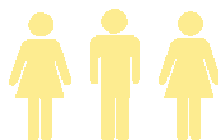


## SEMINAIRE SACM

Mars 2006

11 H 00 Tsukasa KIYOSHI  
(Tsukuba Magnet Laboratory)  
Salle André Berthelot, Bât 141

### High-field NMR at TML/NIMS



As a step in the milestone of the 1 GHz NMR spectrometer project, a 920 MHz (21.6 T) NMR magnet was successfully manufactured at TML in 2001. The magnet is made of 15% Sn-bronze-processed (Nb,Ti)<sub>3</sub>Sn, Ta-reinforced (Nb,Ti)<sub>3</sub>Sn and NbTi conductors. It has been used for structural biology studies. In 2003, a 930 MHz (21.9 T) NMR magnet was also developed by using a 16% Sn-bronze-processed (Nb,Ti)<sub>3</sub>Sn conductor. It has been used for solid state NMR. NMR measurements using a resistive magnet and a hybrid magnet at TML have also started. The present status of our NMR magnets, as well as our future plan will be reported.

NB : La présentation d'une carte d'identité ou d'un passeport est exigée à l'entrée du centre .  
Tous les auditeurs extérieurs sont priés de prévenir à l'avance de leur visite : Geneviève  
VERON Tél. : 01 69 08 69 49 (UE : délai de 24h, hors UE : délai de 4 jours) .

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