

The 21 Century COE Project
Exploring New Science by Bridging Particle-Matter Hierarchy

**Short-term Foreign Researchers
Research Report**

Name: Yann Ollivier

Affiliation: University of Paris, Sud.

Host Researcher in Tohoku University: Koji Fujiwara

Your Stay Period in Japan: From 2004. 1. 21 to 2004. 1. 23

Title of Research in Japan:

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Please write a research report of one or more pages and submit it with this cover to your host researcher till the end of this March.

activity report:

Dr Yann Ollivier visited our institute
from 2004.1.21-23, and gave a talk
at Max Dehn Seminar at the Math Institute
on 22nd.

The title of the talk was "Measure concentration on
probability spaces".

This is a report from the frontier of the subject,
which has been reactivated by Gromov recently.

The speaker had a very active discussion with the audience
during and after the talk, which lasted more than one hour.

Also, he and the host had a very useful discussion
about "random groups", which is one of the most active
topics in the field of Geometric group theory.

He found his visit to Sendai very enjoyable and fruitful.