



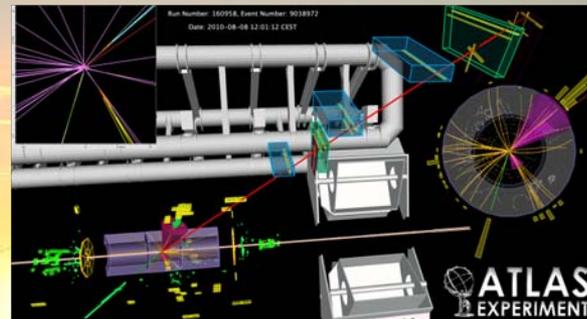
A Happy new year  
and welcome to Kobe !!

6-7 January 2011

Physics beyond the standard model  
and predictable observables

# 2010 was an exciting year

- Finally, the LHC started physics run
  - The LHC and experiments → Y. Yamazaki
  - Re-“Discovery” of W/Z/top → T. Matsushita



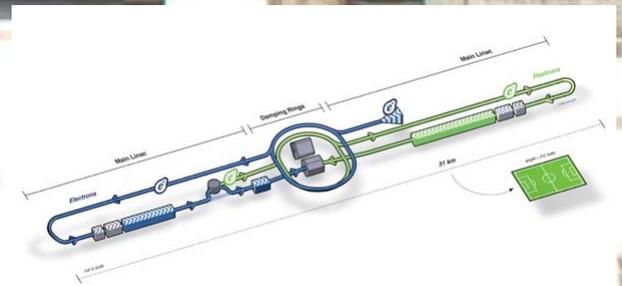
- Other important experiments also commenced their operations, such as
  - Neutrino oscillation: T2K, Double Chooz
  - Dark matter search: XMASS

# Coming years must be more exciting

- Discovery of Dark Matter (in a few years ?)
  - BSM physics at the LHC → A. Ishikawa
- Discovery of Higgs boson (in several years ?)
  - Higgs search at the LHC → K. Hanagaki
- We expect/hope to find more “unexpected new physics” at accelerator/non-accelerator experiments, to make many theorists busy.
- Close cooperation between theorists and experimentalists will be essential.
  - Hope stimulating talks in this workshop

# News: a new group in Kyushu university

- April 2011, a completely new experimental group for HEP will be organized in Kyushu university.
- Aiming for energy-frontier particle physics (LHC, ILC)
- Initial members will be
  - K. K. as the professor, moving from Kobe
  - An associate professor (from October)
  - Two assistant professors (one from April, plus one)
  - Several undergraduate students
- Kyushu university is very close to one of the candidates sites for the linear collider (ILC)
  - bSM physics at the ILC → M. Asano



A sunset over a mountain range with Mount Fuji in the distance. The sun is low on the horizon, casting a warm orange and yellow glow across the sky. The mountains are silhouetted against the bright light of the setting sun.

# Enjoy!!

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- Young Researcher Overseas Visits for Vitalizing Brain Circulation  
ATLAS at the LHC (Kobe-U and Osaka-U)