

SATOSHI MIHARA
KEK/J-PARC

MUON PARTICLE
PHYSICS AT J-PARC

KEK & J-PARC



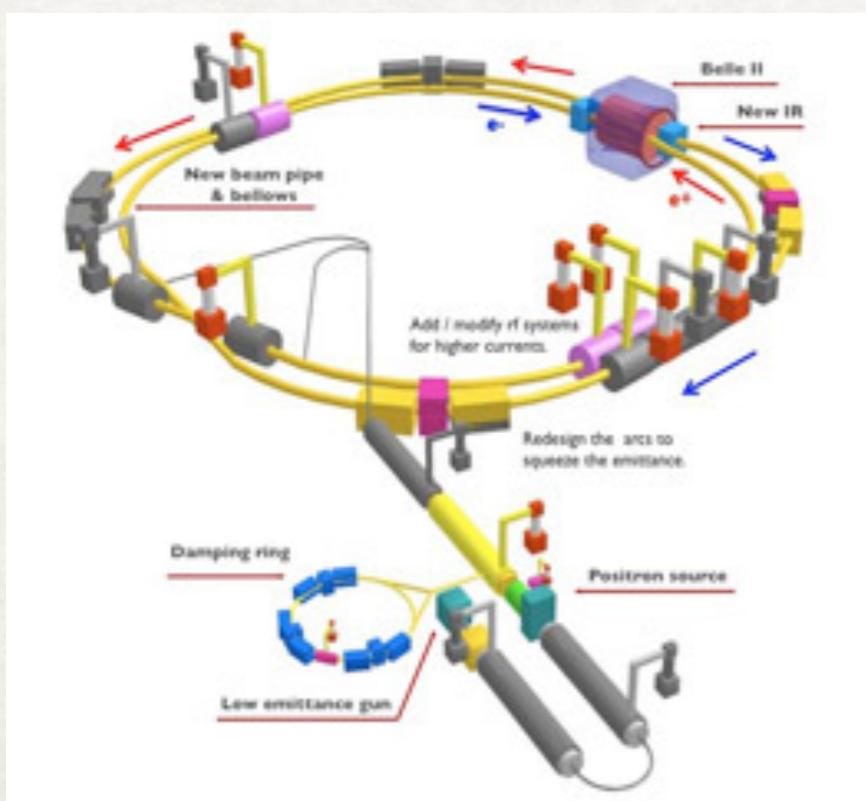
- KEK Tsukuba
Electron machines
 e^+e^- collider (Super KEKB)
Photon Factory
ATF & STF
- J-PARC
Proton machines



KEK CAMPUS

ELECTRON MACHINES

- Super KEKB
High luminosity e^+e^- collider
to study b-quark physics
- Photon Factory
Synchrotron Radiation Light
Source for material science
and biology



- STF & ATF
Superconducting Test Facility
Accelerator Test Facility

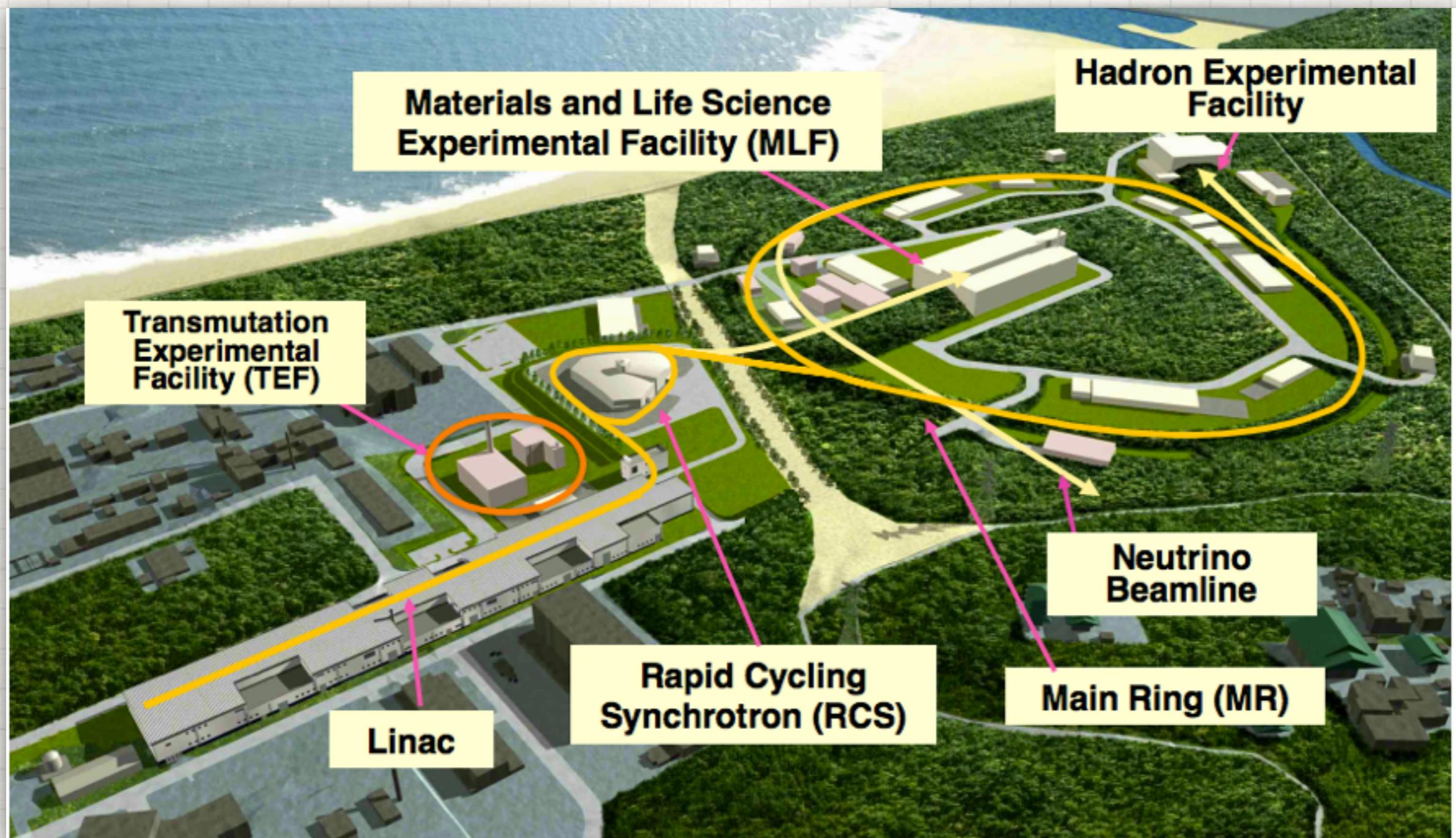


J-PARC FACILITY

JAPAN PROTON ACCELERATOR RESEARCH COMPLEX



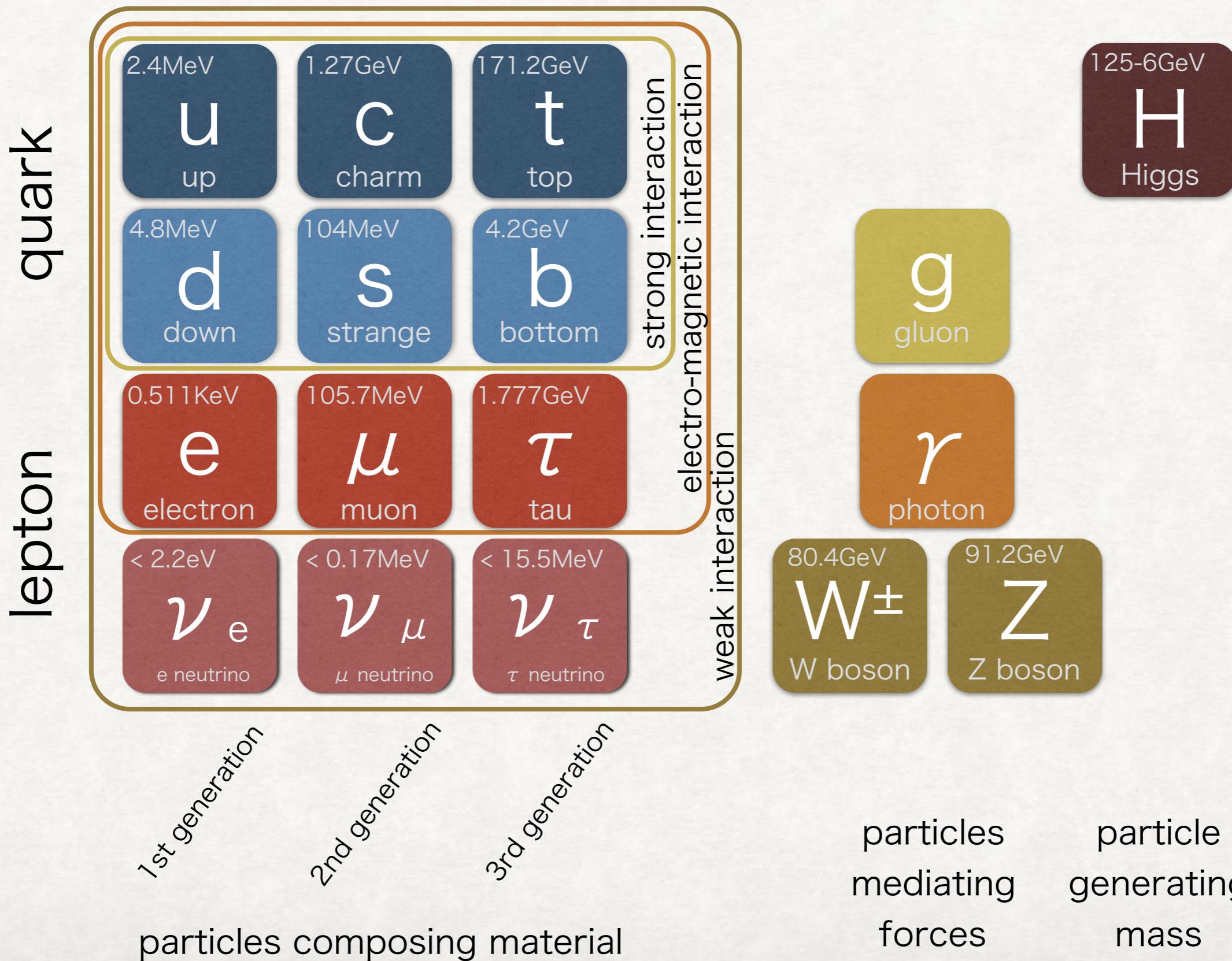
J-PARC ACCELERATOR



FLAVOR PHYSICS AT KEK/J-PARC

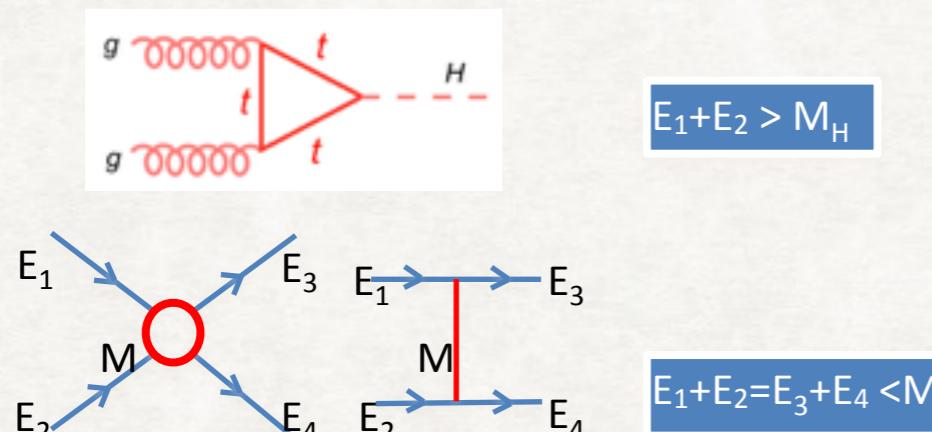
Fermion

Boson



J-PARC AS A HIGH INTENSITY FRONTIER

- Complementary approach to high energy frontier experiments



- $\mathcal{L} = \mathcal{L}_{SM} + \mathcal{L}_{BSM}$
- Study processes of \mathcal{L}_{SM} is well known or zero
- Higer beam power to reach higher sensitivity

