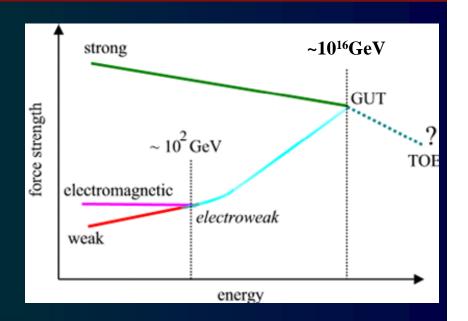
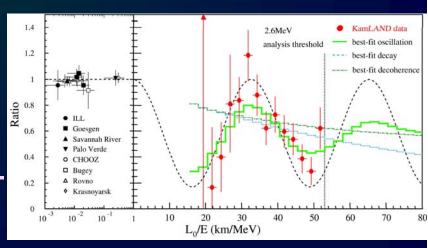
### Aims of the meeting:

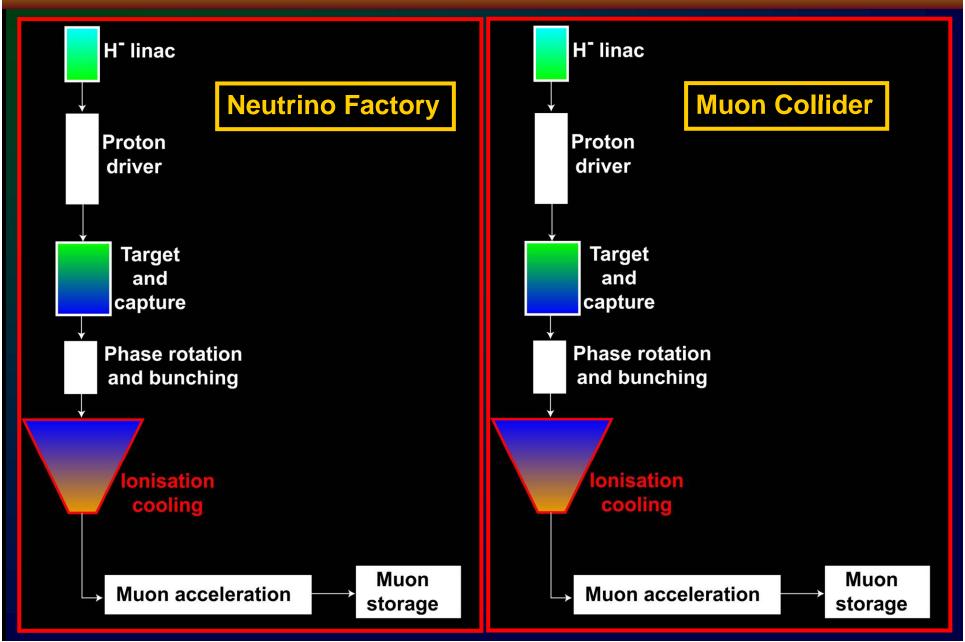
### Scientific objectives:

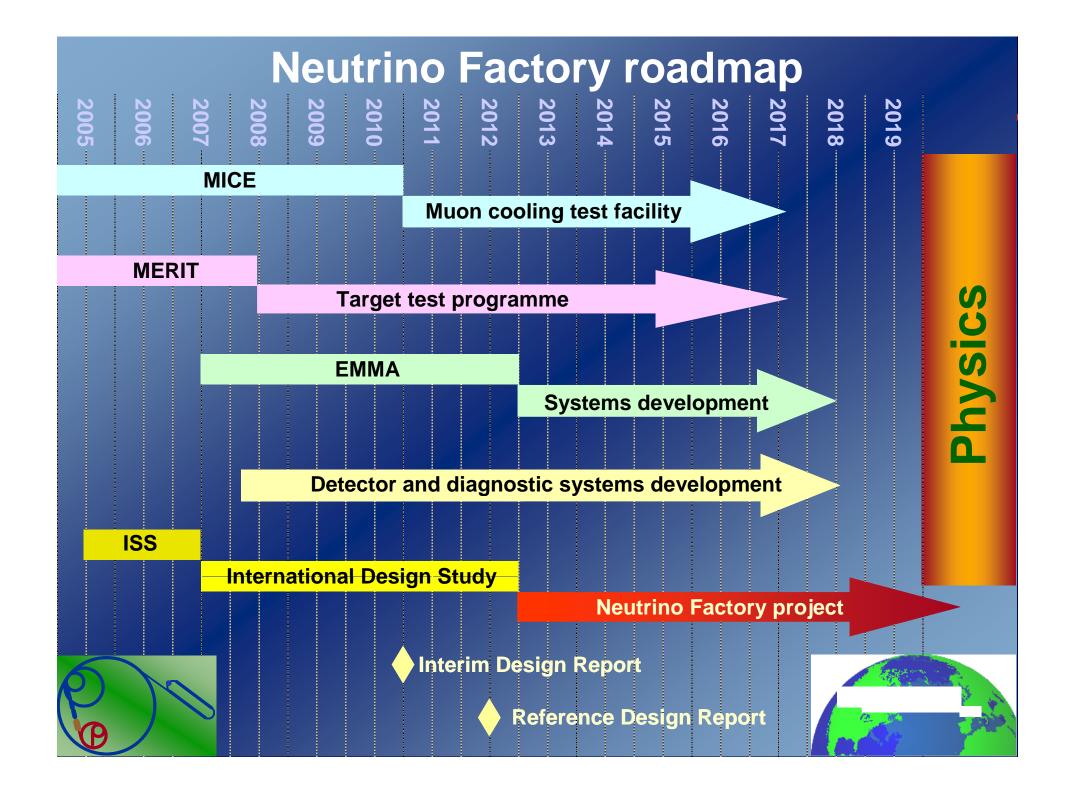
- The energy frontier:
  - Origin of mass (& the LHC)
  - Unification of forces:
    - Undiscovered symmetry?
    - Extra dimensions?
- The flavour frontier:
  - Origin of neutrino mass and mixing
  - Origin of flavour:
    - Undiscovered symmetry?
  - Origin of the Universe:
    - Leptonic-CP violation and leptogenesis
- Dark matter & dark energy





# Muon storage rings:





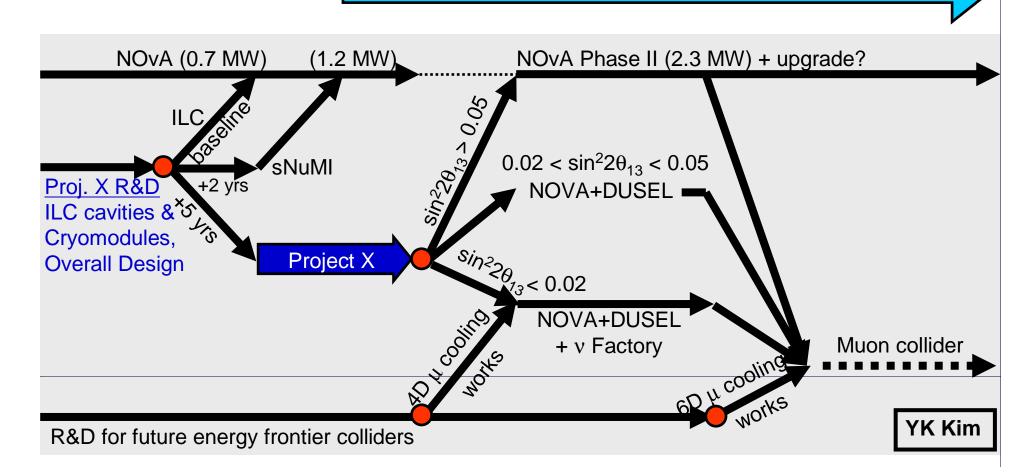
### A Roadmap

LHC including Upgrades, Particle Astrophysics (including Dark Matter and Dark Energy)

ILC R&D, EDR, Engineering, Decision, Industrialization, Construction, Running

**Precision Phase I** 

Precision Phase II



### Aims of the meeting:

- To summarise the physics of neutrinos and the implications of recent observations for particle physics, astrophysics, and cosmology;
- To summarise the physics opportunities of leptonanti-lepton collisions at the high-energy frontier, seeking to expose synergies between the high-flux neutrino programme and the energy-frontier programme;
- To review the physics potential of the Neutrino Factory and the Muon Collider and the detector technologies that are required;
- To discuss in detail the Neutrino Factory and Muon Collider accelerator R&D programmes that are presently being carried out; and
- To assess the strength of the synergies between the future Neutrino Factory and Muon Collider R&D programmes and the opportunities for collaboration that such synergies present.

## Aims of the meeting:

#### ... i.e.:

Test the statement that there is synergy between the R&D programmes required to make the Neutrino Factory and/or the Muon Collider a future option for the field; and

if we think there is such a synergy to

 Identify concrete examples where collaboration between the Neutrino Factory and Muon Collider communities will be of mutual benefit