

- New concept, new view point of nature
  - Neutrino mass, large mixings
    - Three generation mixing (non-zero  $\theta_{13}$ )
      - $\theta_{23}$  max mixing?
  - CP violation
  - Proton decay - stability of matter, unification
- CP in lepton
  - CPV in K,B were not discovered by comparing (K,Kbar), (B,Bbar) asymmetries (Prof. Bernabeu of Valencia)
  - First-second oscillation maximum comparison
  - Detector with uniform efficiency over wide energy region sub-GeV~several GeV with e-ID in 'super-beam'
- Proton decay search should NOT be a just a by-product of neutrino experiment
  - SK has accumulated 91kton · year @ 40%, 50 kton · year @ 20% photo-cathod coverage
  - New different way of search (difficult channels in WC = K+ neu etc.)
- ~20 years of experience of LAr in Europe
- WC in Japan