

- WC-1 Water Cherenkov detectors are an established technology for neutrino oscillation and nucleon decay physics. Adequate rejection of background  $\pi^0$  events in neutrino oscillation experiments has been demonstrated in detailed simulations using the full reconstruction made available by the Super-Kamiokande experiment.
- WC-2 The water Cherenkov detector wide-band beam neutrino oscillation experiment could be ready to proceed at the time  $\sin^2 2\theta_{13}$  is determined. The cost of this option is driven by the cost of photo-multiplier tubes, and the schedule is driven by the time to manufacture the photo-multiplier tubes.
- WC-3 The water Cherenkov detector technology has been demonstrated to be a suitable technology for a general purpose search for nucleon decay.
- WC-4 Water Cherenkov detectors are not suitable for deployment at or near the earth's surface due to the large rate of cosmic ray events.