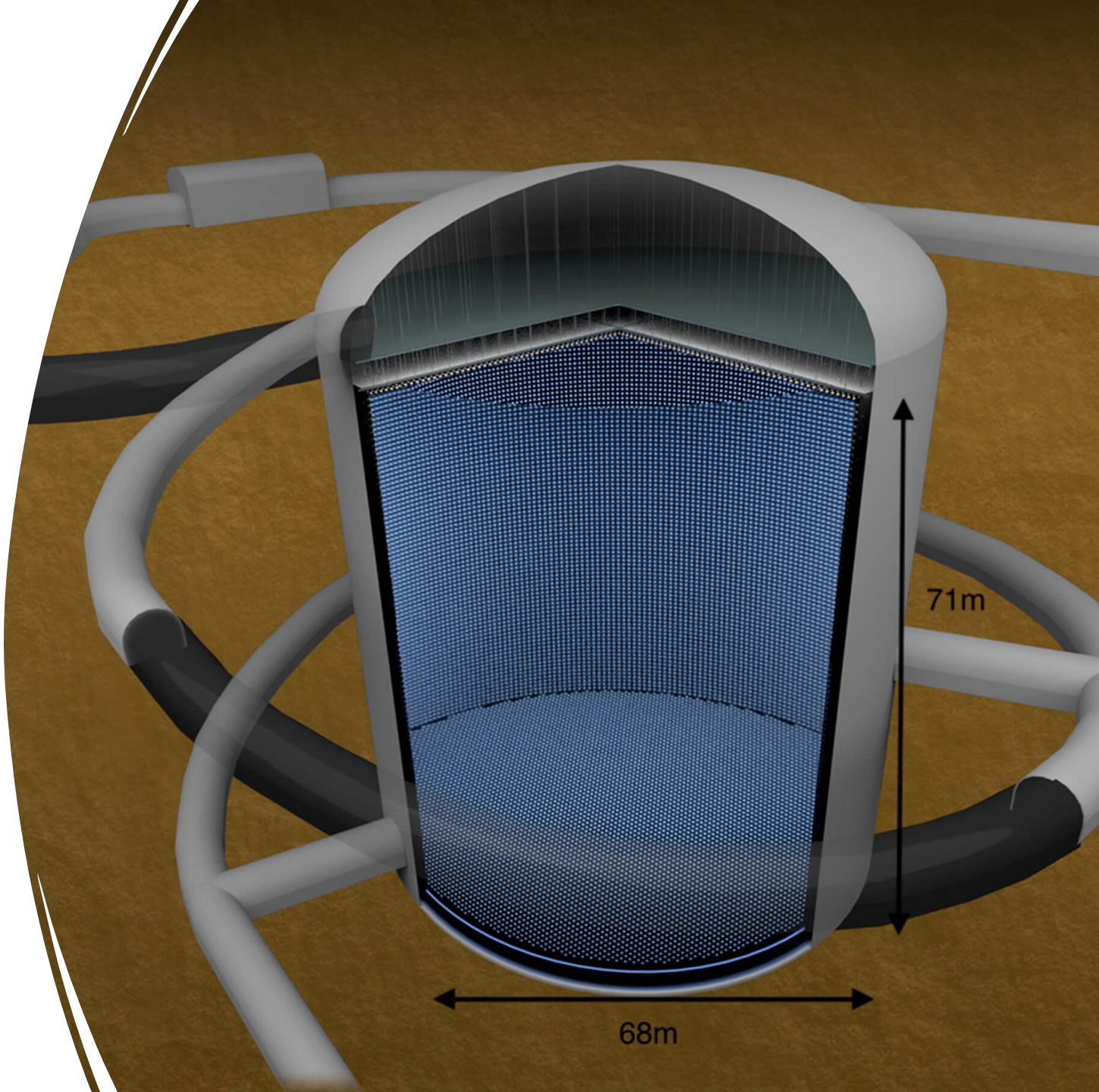
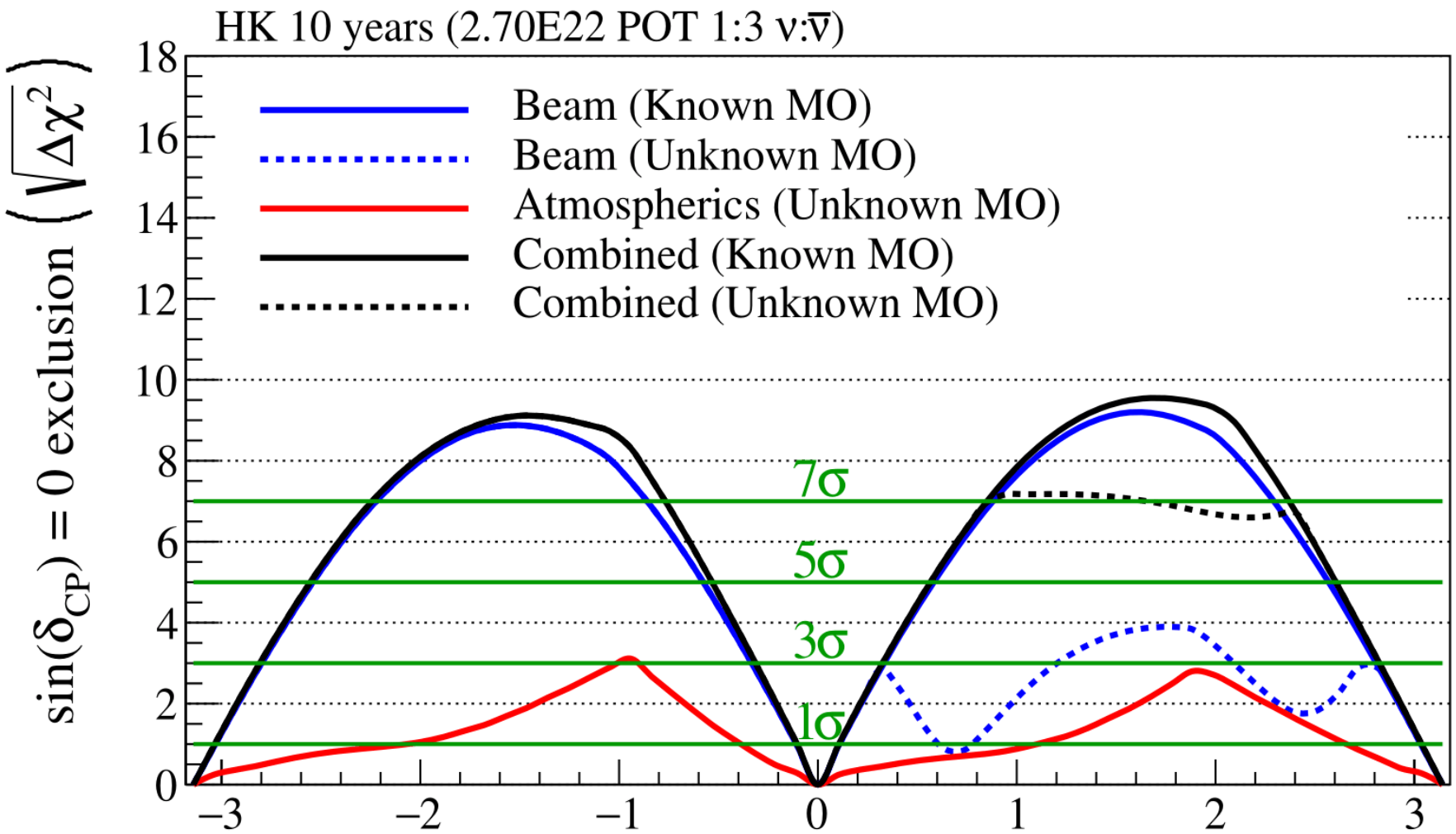
The Hyper-Kamiokande Experiment

- A proposed future Water Cherenkov neutrino detector
- High precision measurements of important oscillation parameters
- Observe BSM phenomena such as proton decay.





Hyper-K preliminary

True normal ordering, improved syst. ($\nu_e/\bar{\nu}_e$ xsec. error 2.7%)

$\sin^2(\theta_{13})=0.0218$ $\sin^2(\theta_{23})=0.528$ $|\Delta m^2_{32}|= 2.509 \times 10^{-3}$ eV^2/c^4