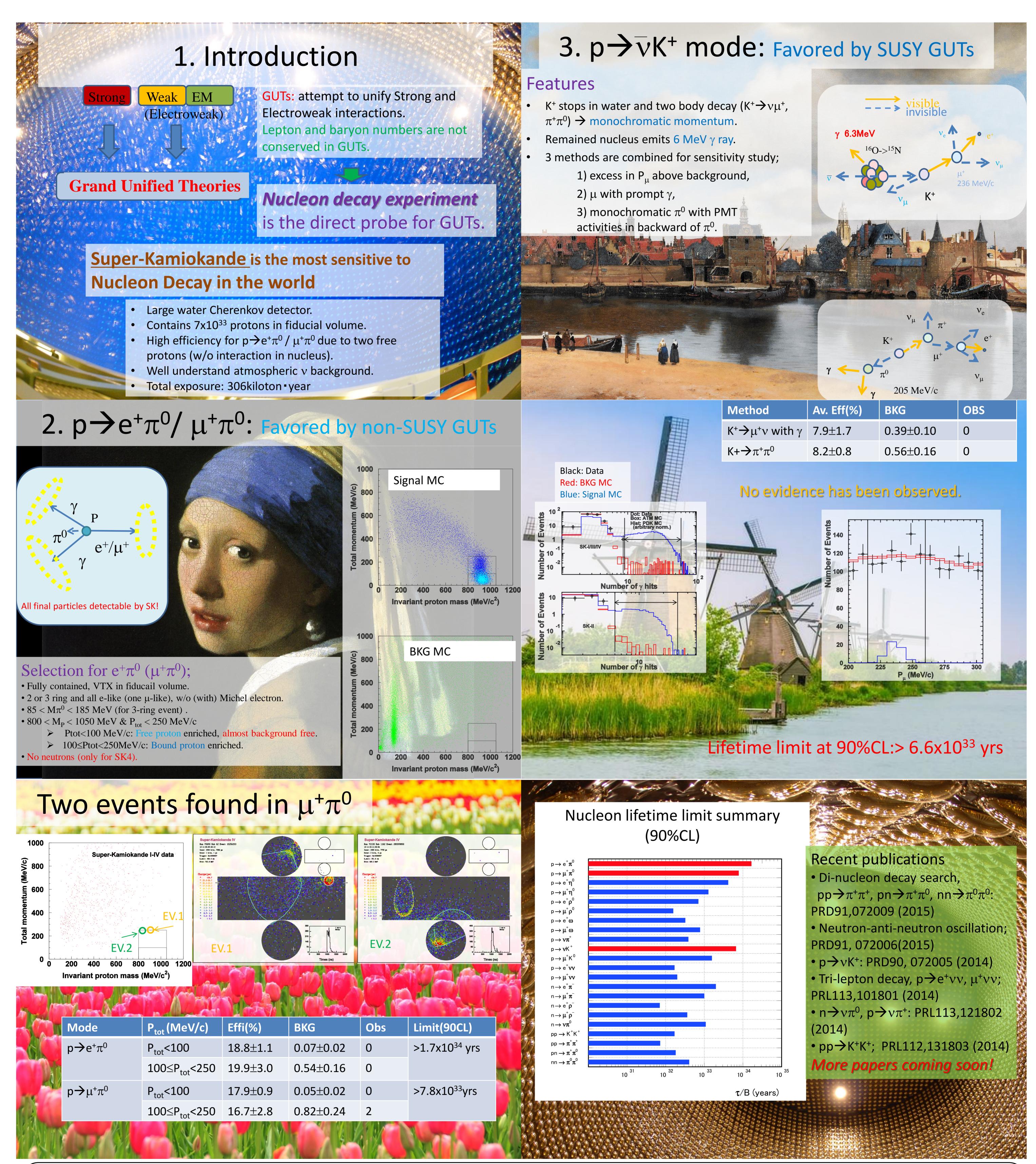
Nucleon Decay Search in Super-Kamiokande

Makoto Miura,

(on behalf of Super-Kamiokande Collaboration) Kamioka observatory, ICRR, Univ. of Tokyo

Abstract: Nucleon decay search is one of the key for opening door to Grand Unified Theories (GUTs). This report summarize the latest results of the nucleon decay searches in Super-Kamiokande.



5. Summary

A 306kton • year data has been analyzed for p \rightarrow e⁺ π^0 , $\mu^+\pi^0$, and ν K⁺ search. We found two candidates in p $\rightarrow \mu^+\pi^0$ but still consistent with background. Several other modes have been studied intensively and so far we have not observed any evidences of nucleon decays.