ν_e Appearance

backgrounds:

- beam ν_e
- NC ν_μ

neutrino running:

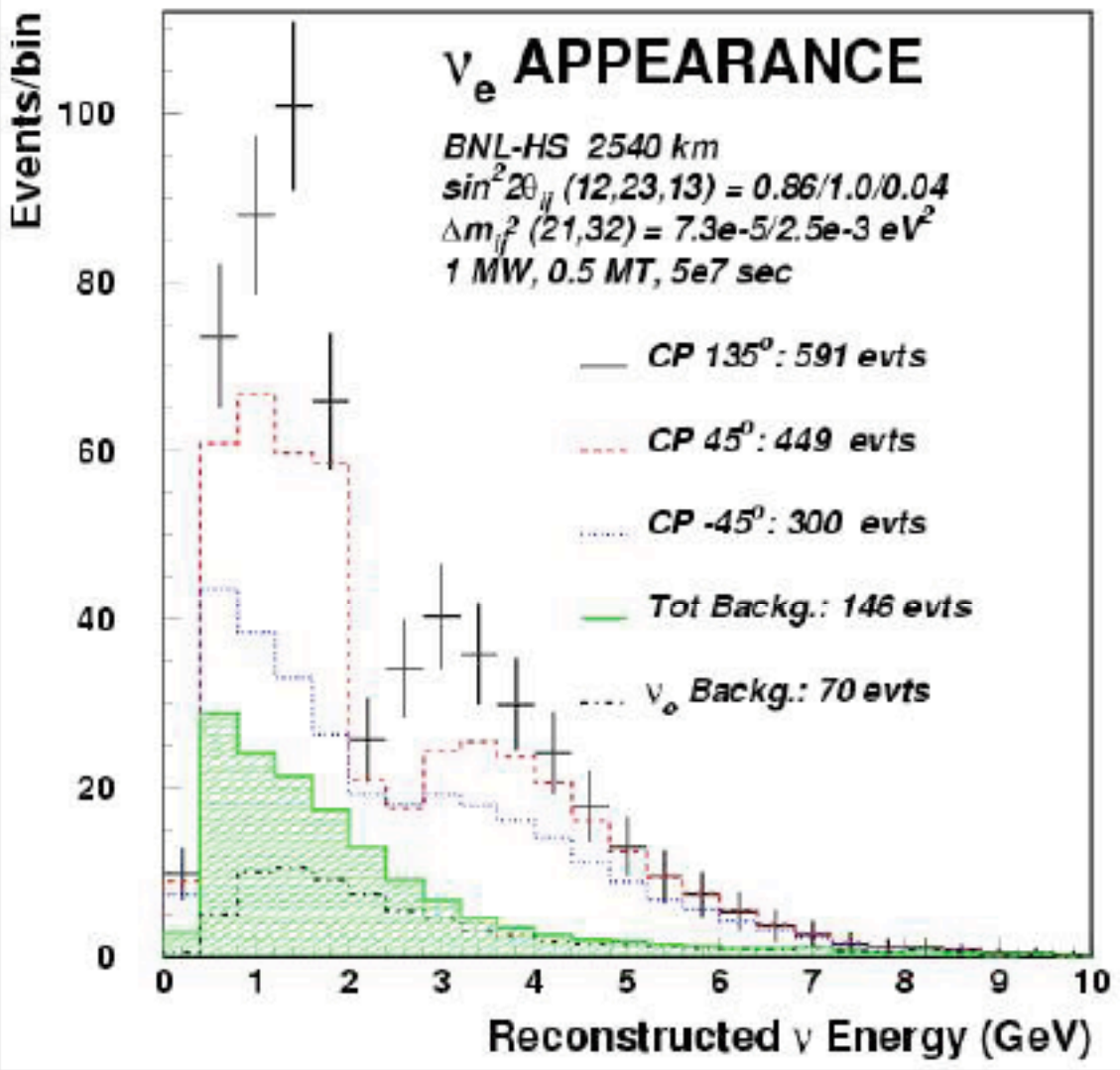
measure $\sin^2 2\theta_{13}$ and δ_{CP}

for $\sin^2 2\theta_{13} > 0.01$

resolve mass hierarchy

include anti-neutrino run:

exclude $\sin^2 2\theta_{13} > 0.003$



if $\sin^2 2\theta_{13}$ too small → δ_{CP} measurement not possible

observation ν_e appearance possible through solar term