

# Sensitivity for DAE $\delta$ DALUS and Hyper-K

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# Correlation for $\delta_{cp}$ and $\sin^2 2\theta_{13}$

- Changes to .glb file:

Low-pass filter turned on, value of .5 (to limit high phase differences [positive effect on  $\chi^2$ ])

energy resolution changed to #inverse\_beta from standard, no noticeable effects

- Results:  $\chi^2$  values from .6 to 1.4,  $\sin^2 2\theta_{13}$  increases sinusoidally as  $\delta_{cp}$  decreases.

# What's next

- Sensitivity files with LBNE .c base, which will hopefully be successful, and easier to do, with a better understanding of GloBES.