Nevis Weekly Update
David Kaleko
071213
What I’m Doing

• Judging the innocence of people I’ve never met.

• Working on channel mapping @ MRT
  – Maps ASIC configuration channels to physical channels on the “vertical” motherboards on TPC (less straightforward than “horizontal” ones)

• Working on analyzing HandScan true-final-state data
Hand Scanning Update

- Implemented code to study “purity” group

Efficiency to select 1e+np+0muon+0g+0piplus+0piminus+0pizero (ignore neutrons, “others”)

Efficiency group

Define: “Efficiency” means among the set of all truthfully 1e+np+etc events, how well can users correctly identify these events.
Hand Scanning Update

• Implemented code to study “purity” group

MID Efficiency for 1e+np+0muon+0g+0piplus+0piminus+0pizero (ignore neutrons, “others”)

Define: “MID Efficiency” means among the set of all truthfully NON 1e+np+etc events, how often do users identify these as 1e+np+etc.
Hand Scanning Update

- Problem w/ control normalization: low statistics

CONTROL CORRECTED Efficiency vs E_{nu}, 1e+np+0else (ign neutrons/others)

Red overlaid numbers are average number of truthfully 1e+np+etc. events scanned per scanner in control sample
Quick Note on Weiner GUI

• Georgia: I never fully understood the GUI @ BO
• When I returned to study the mapping between GUI channels and locations on backplane, was unable to open GUI
• Problem involves Teppei running BO HV w/ same GUI server, Gennadiy won’t answer my e-mails about running two GUIs at once, didn’t want to risk messing w/ PMTs in BO on my own.