

# Status of vmm3 simulation

July 7, 2020

- Tested the vmm3 for 50ns and 25ns peaking time for PVDIS.
  - 50ns is still bad as I looked earlier.
  - 25ns gives significantly better results, both efficiency and accuracy reach 70% with 100% background.
  - Segmented strips are expected to improve further
- Implementing VMM3 to Weizhi's new code with segmented strips.
- Working on the two time-over-threshold output simulation.
  - Clustering based on ToT
  - No ADC saturation