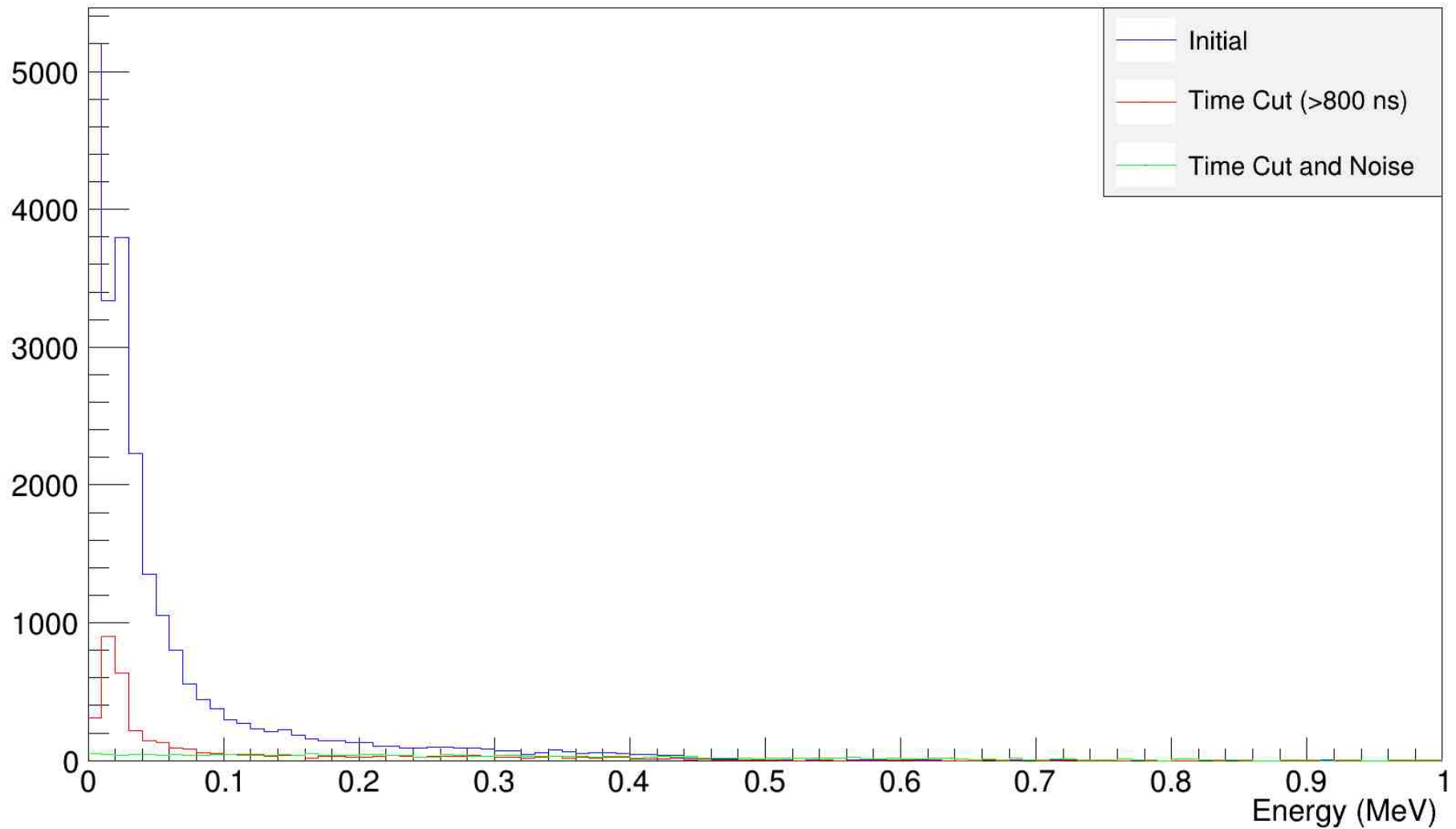


# Thresholds

- Time cut is 800 ns
- Resolutions:
  - Thick Si-- 303 keV
  - Thin Si--33 keV
  - Plastic-- 50 keV
- Noise:
  - Gaussian with mean 0 keV and sigma 20 keV added to every reading
  - Legend:
    - Blue-- Original
    - Red-- Time cut
    - Green-- Time Cut + Resolution + Noise

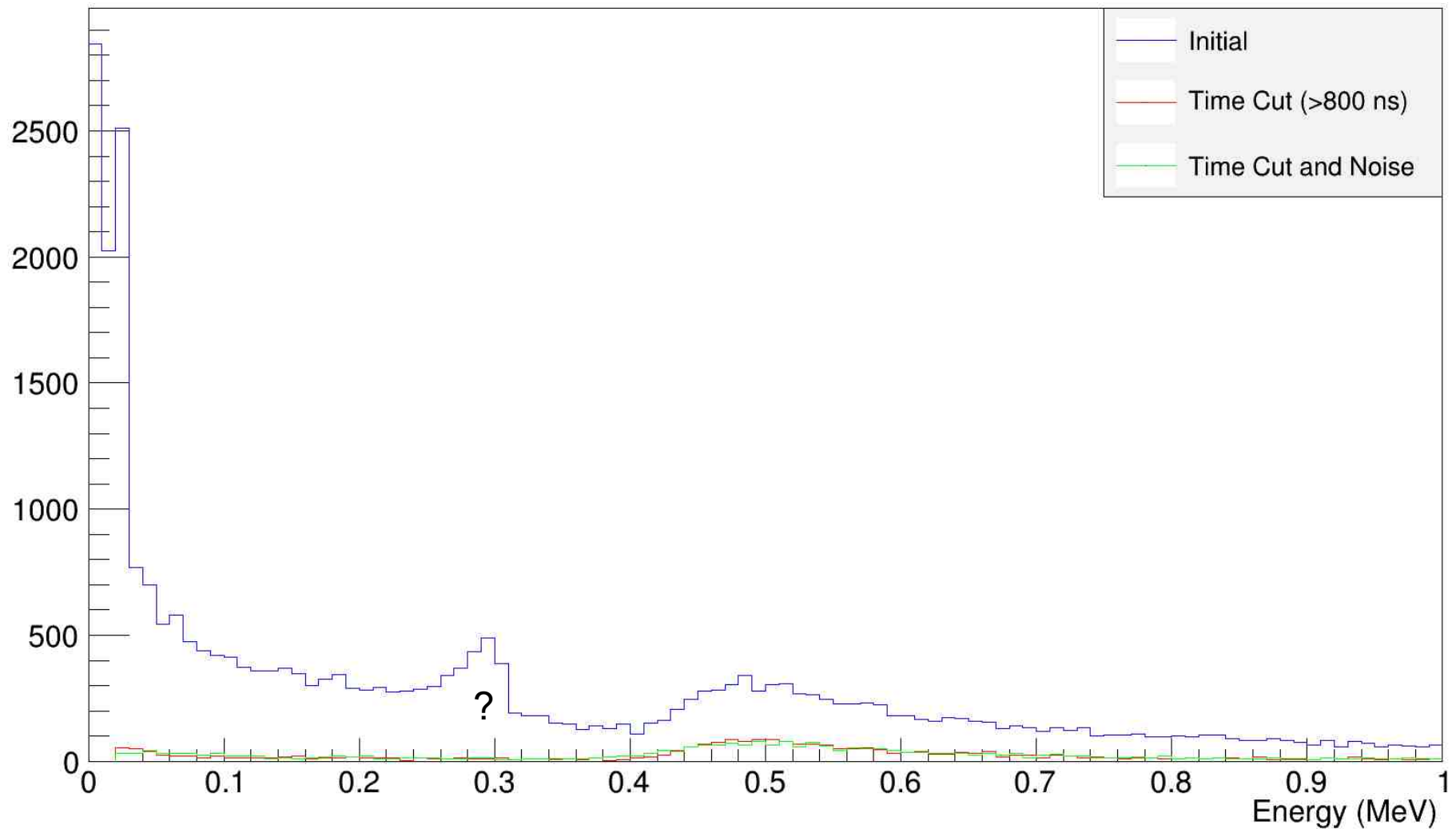
# Electrons

## Electron in Upstream Thin Energies



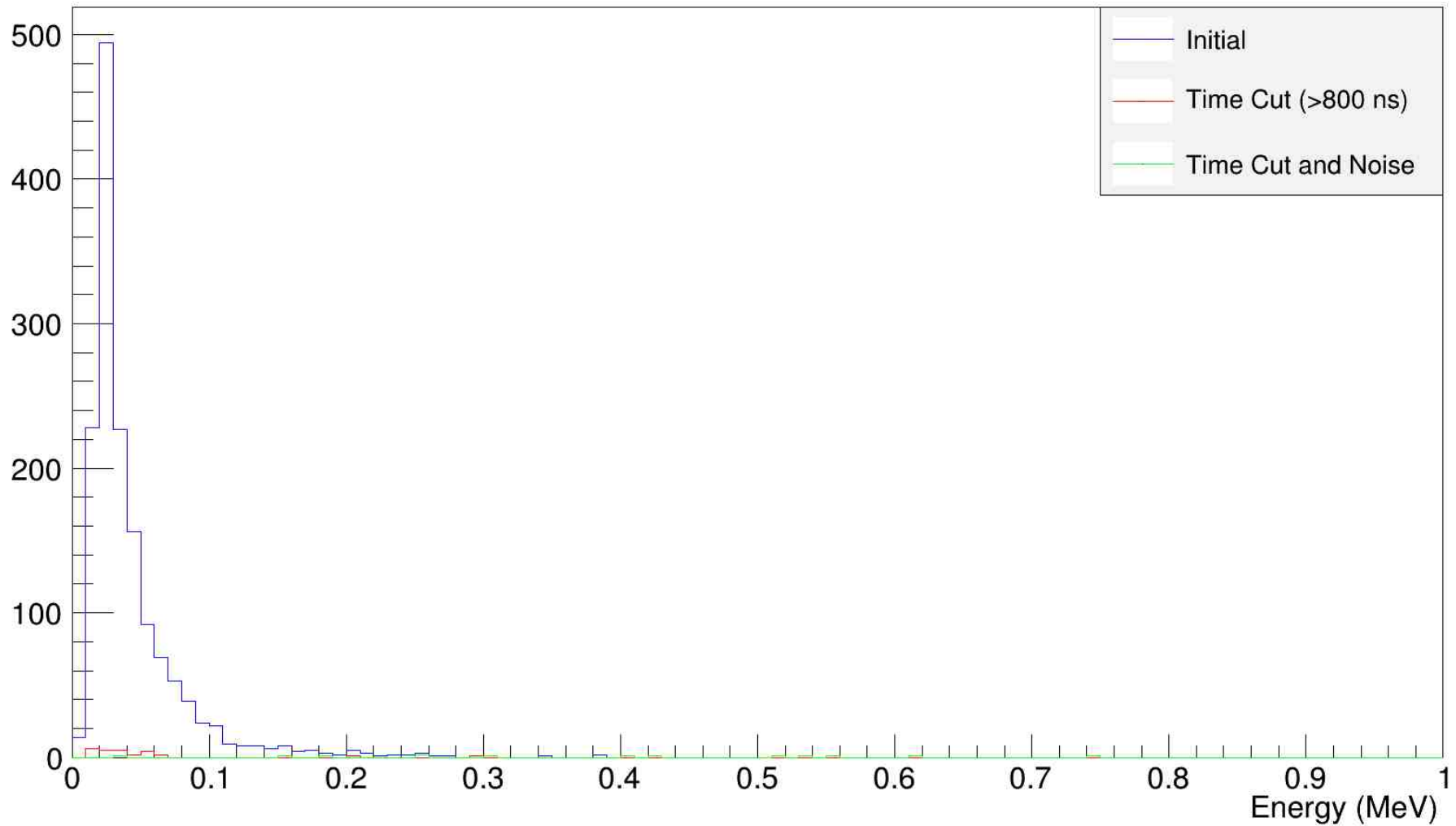
# Electrons

## Electron in Upstream Thick Energies



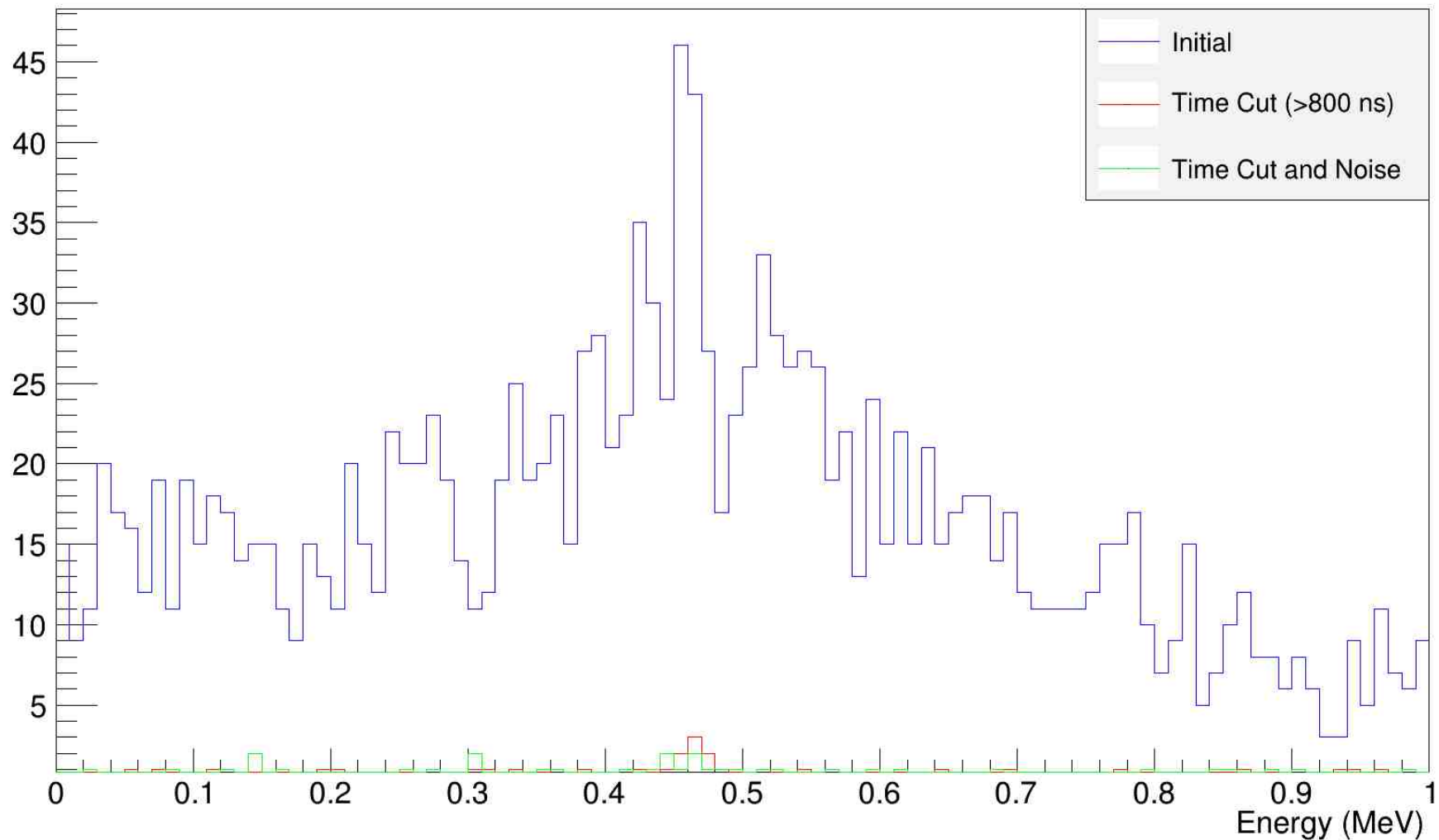
# Positrons

## Positron in Upstream Thin Energies



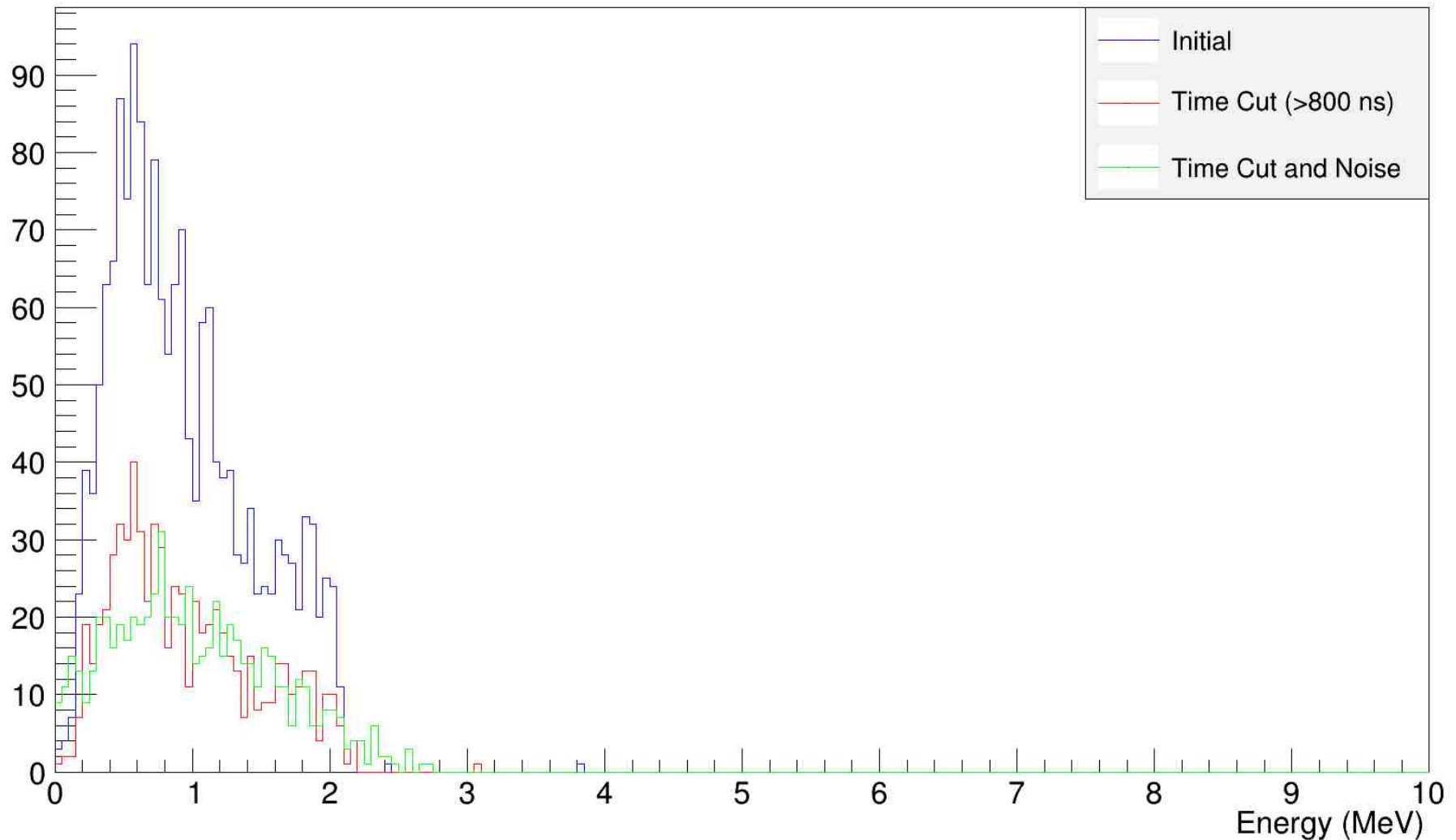
# Positrons

## Positron in Upstream Thick Energies



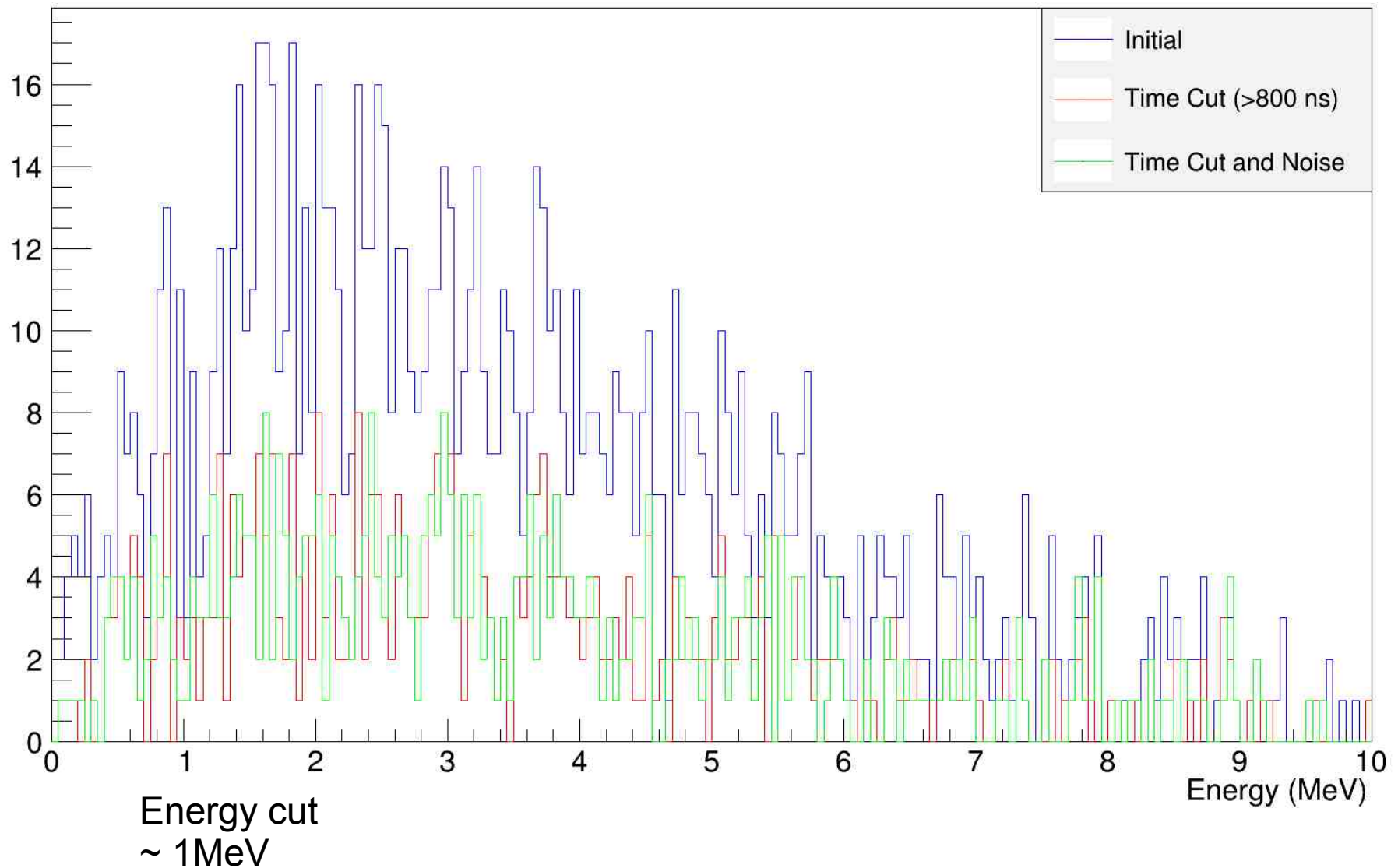
# Protons

## Proton in Upstream Thin Energies



# Protons

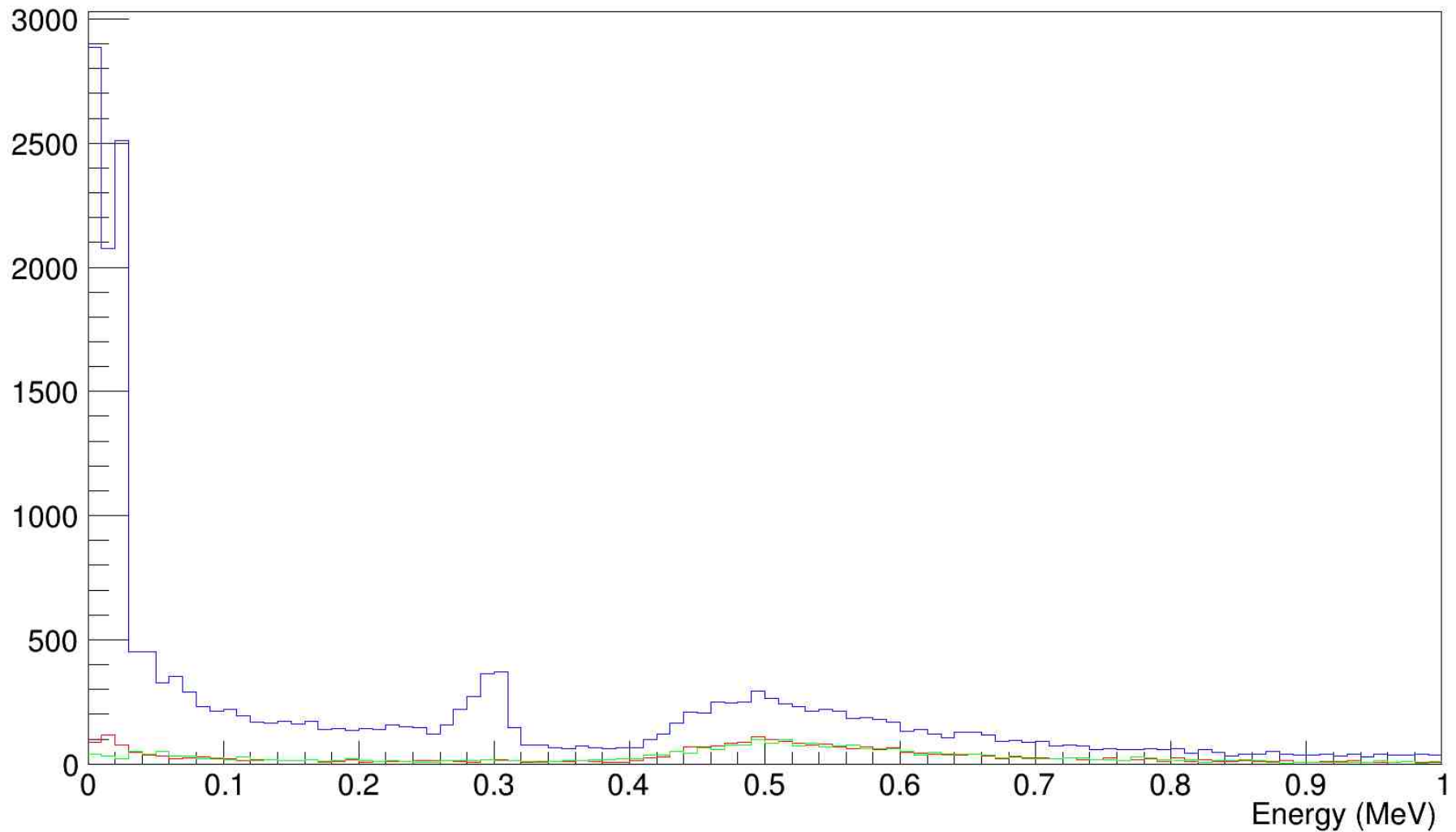
## Proton in Upstream Thick Energies





# Downstream (same)

Electron in Downstream Thick Energies



# Downstream

## Proton in Downstream Thick Energies

