

New IPstrong MC: Compton Comparison Plots

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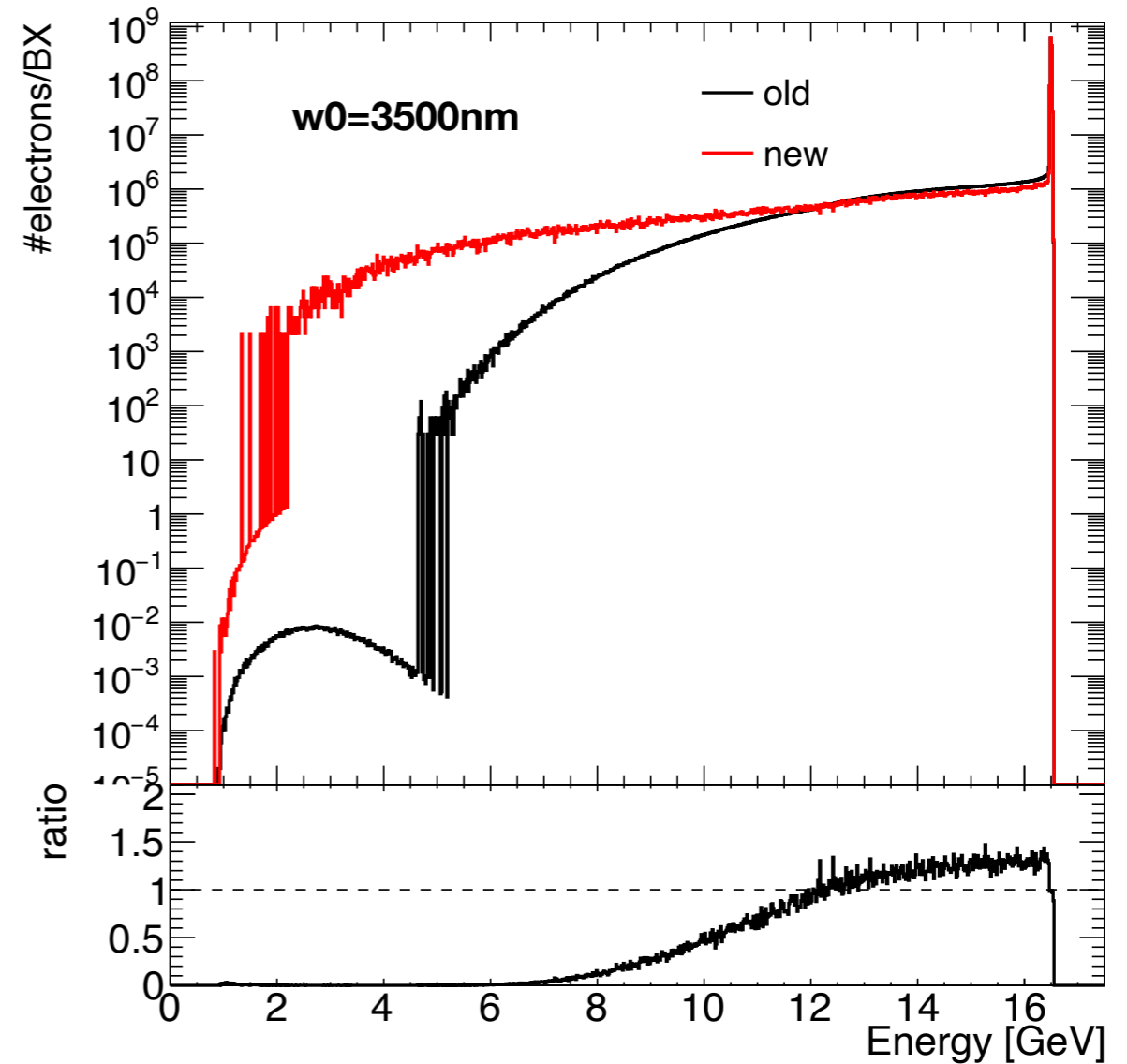
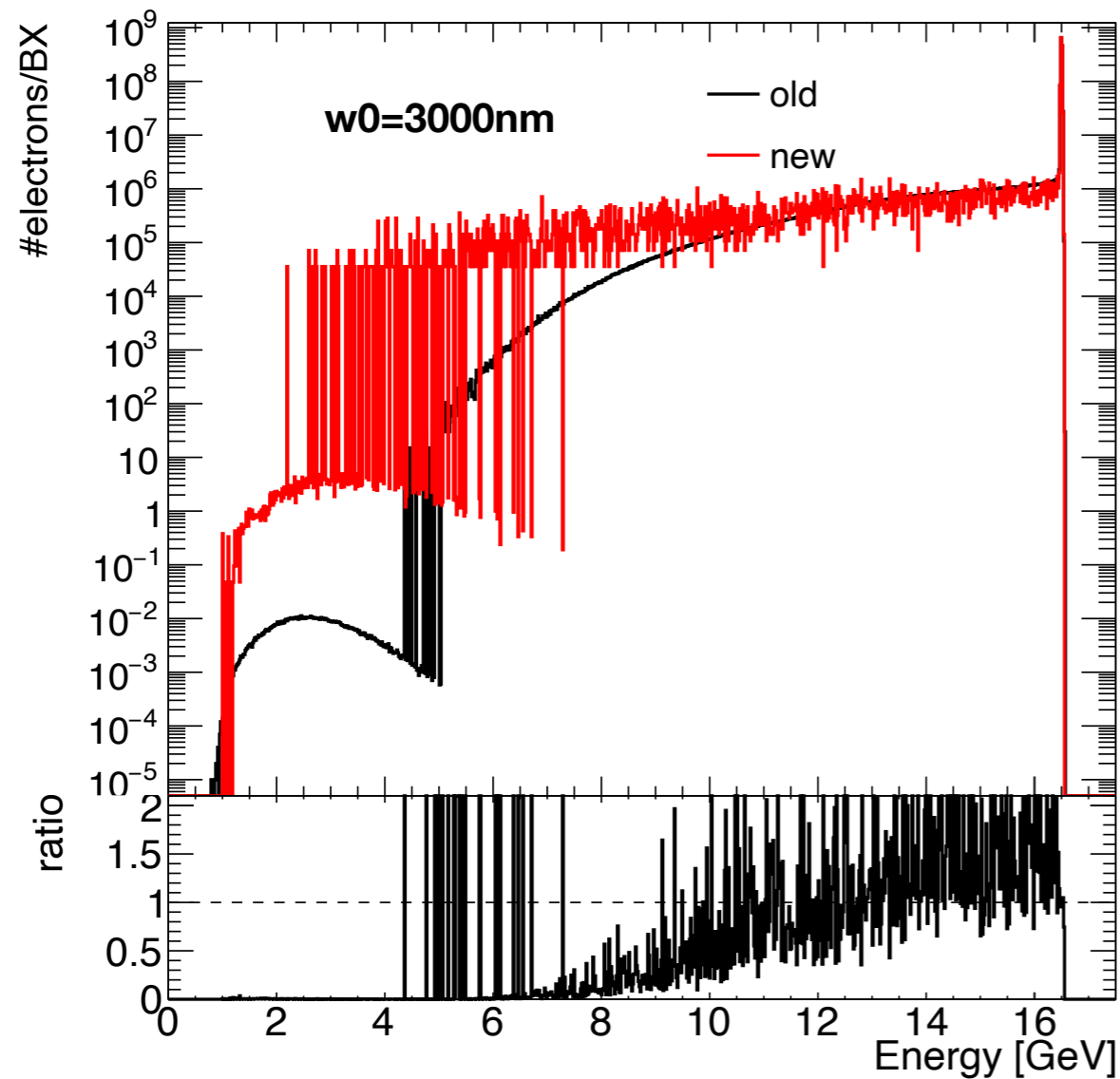
Overview

- Comparing Compton spectra for Tonys newest MC with earlier version
- Reproducing results plots for these
- Paths to the samples for comparison:

NEW: /nfs/dust/luxe/group/MCProduction/Signal/uncompressed/IPstrong_V1.1.00/JETI40/
e_laser_provisional_10xi^3_HICS/16.5GeV/

OLD: /nfs/dust/luxe/group/MCProduction/Signal/uncompressed/IPstrong_V1.1.00/JETI40/e_laser/16.5GeV/

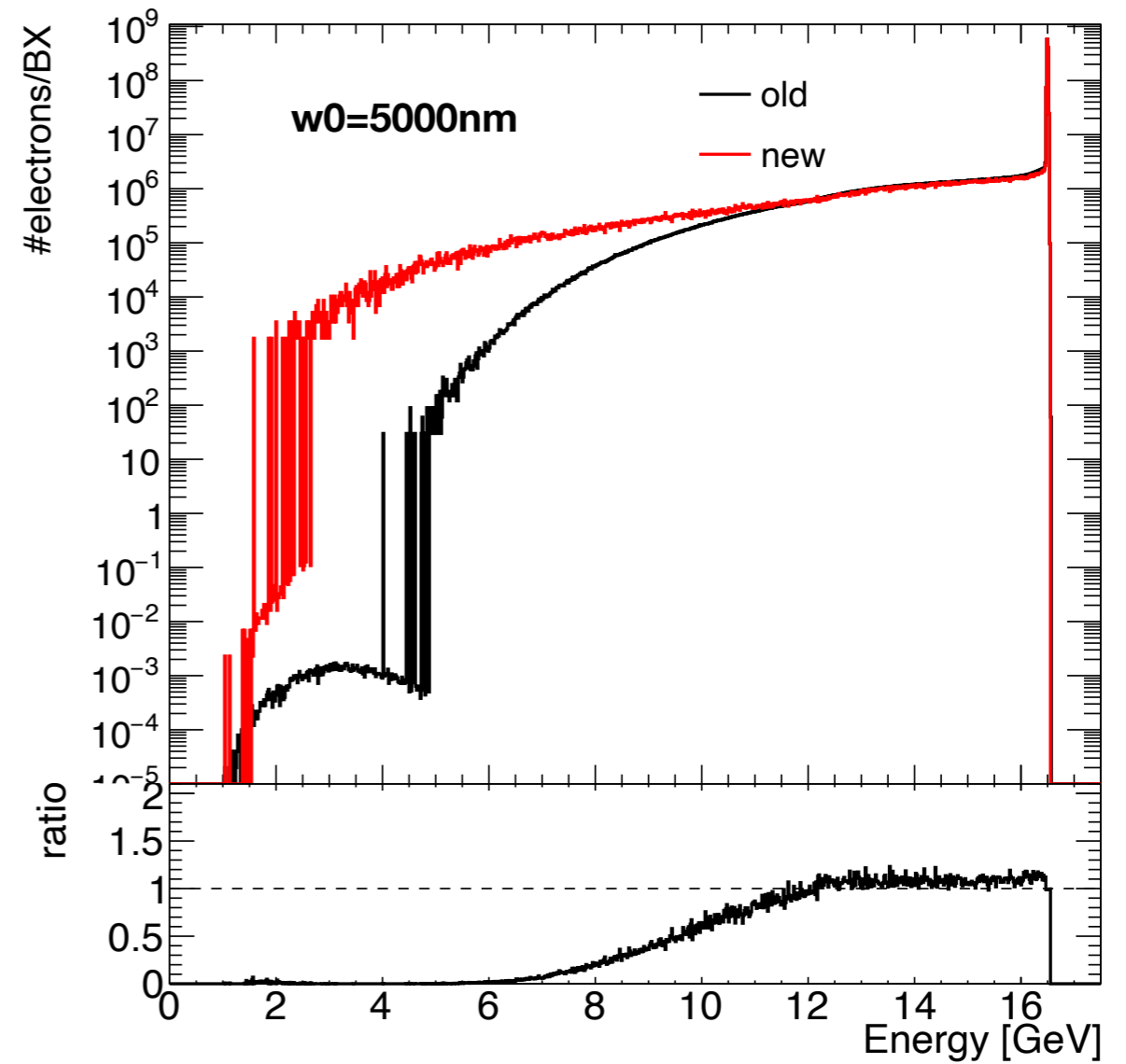
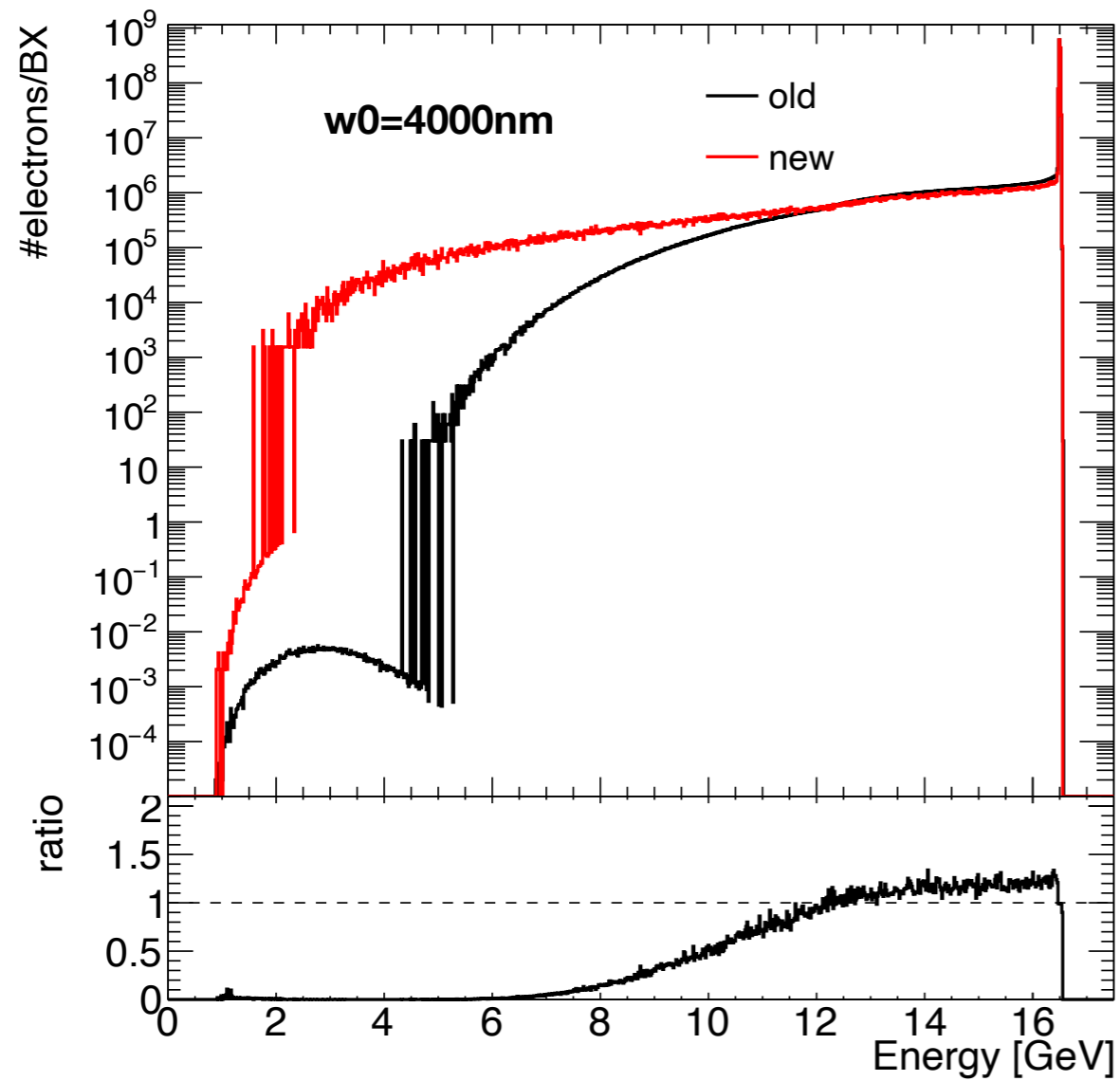
Generated Electron Energy



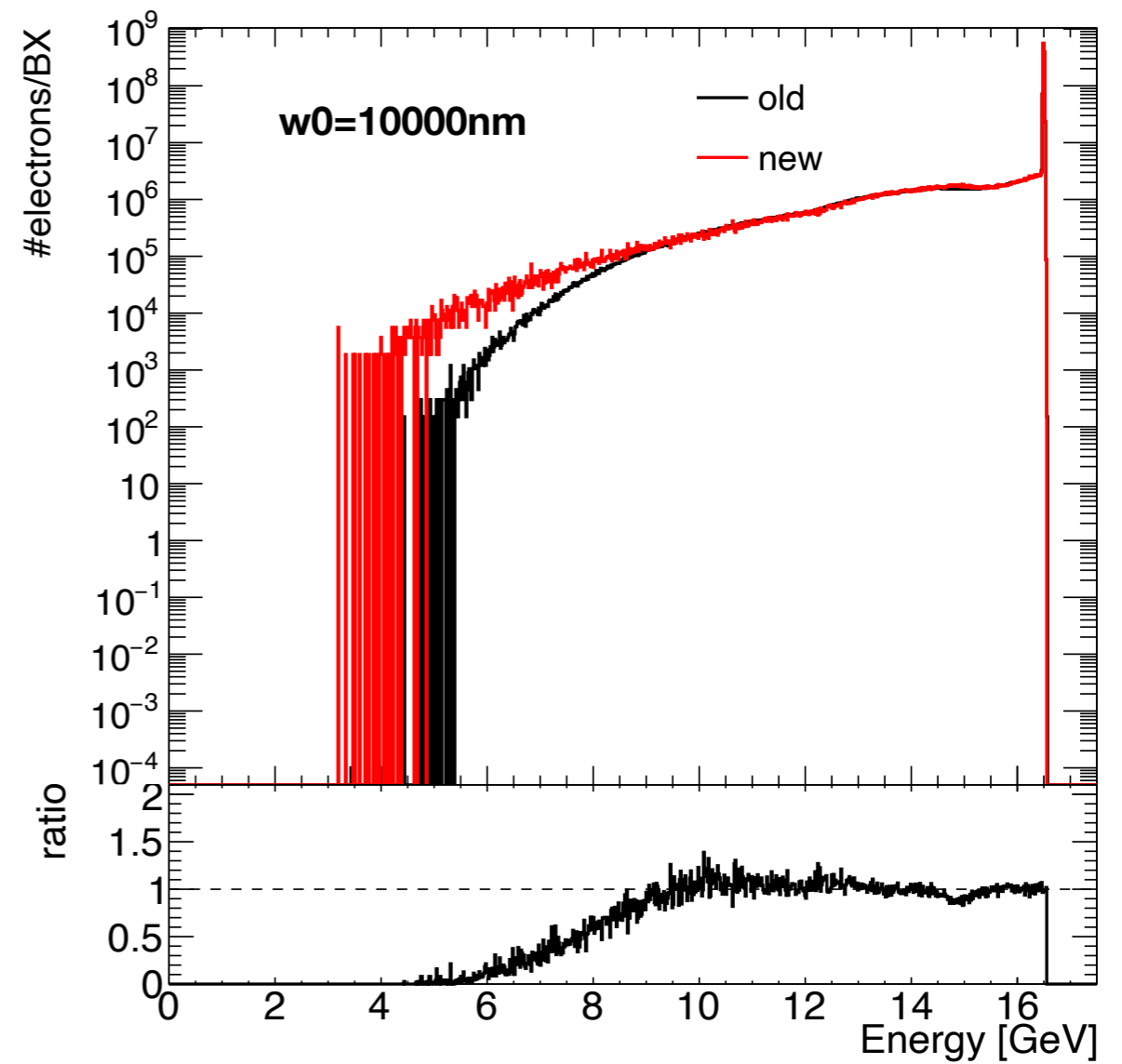
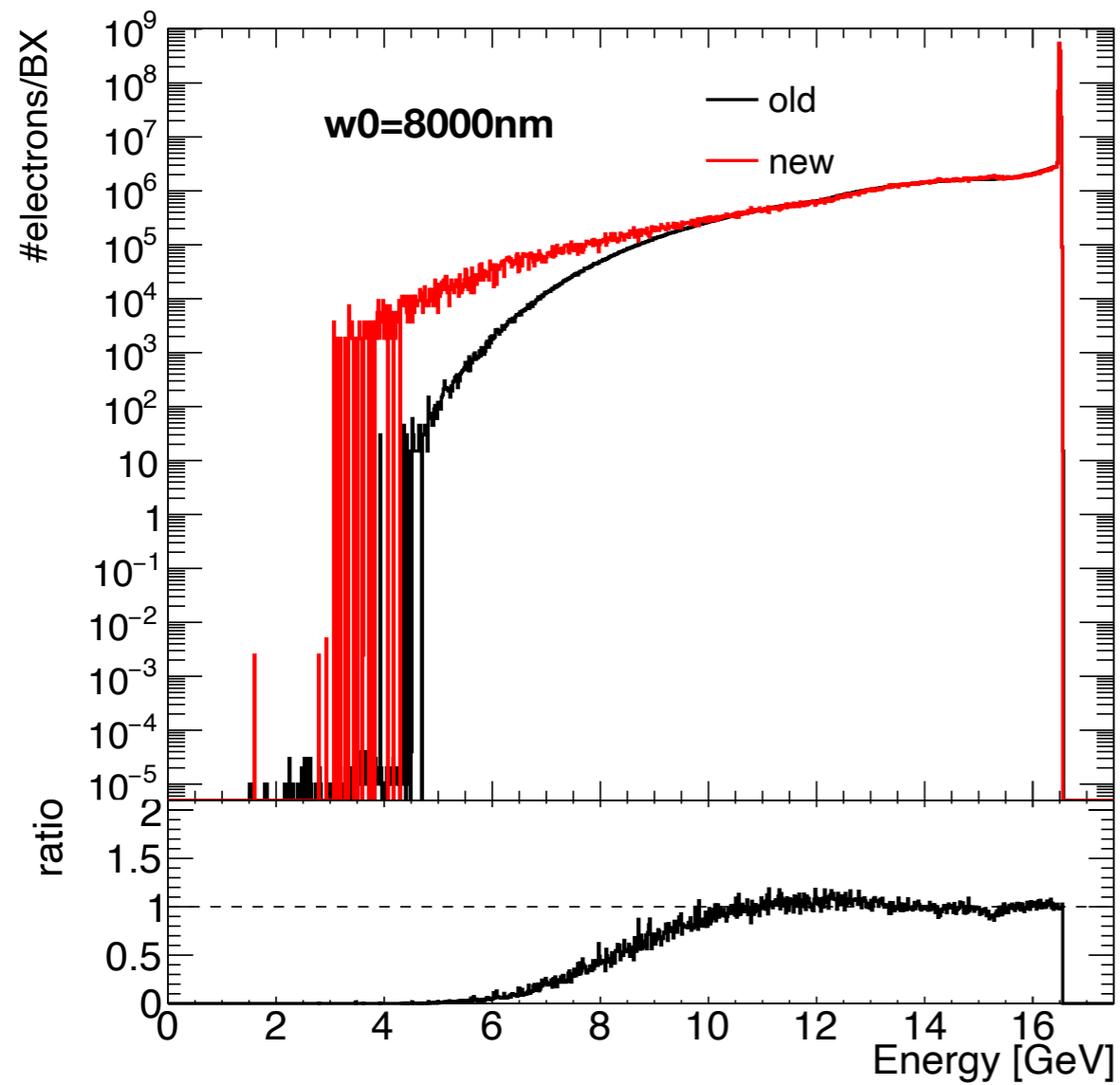
NEW: /nfs/dust/luxe/group/MCProduction/Signal/uncompressed/IPstrong_V1.1.00/JETI40/
e_laser_provisional_10xi^3_HICS/16.5GeV/

OLD: /nfs/dust/luxe/group/MCProduction/Signal/uncompressed/IPstrong_V1.1.00/JETI40/
e_laser/16.5GeV/

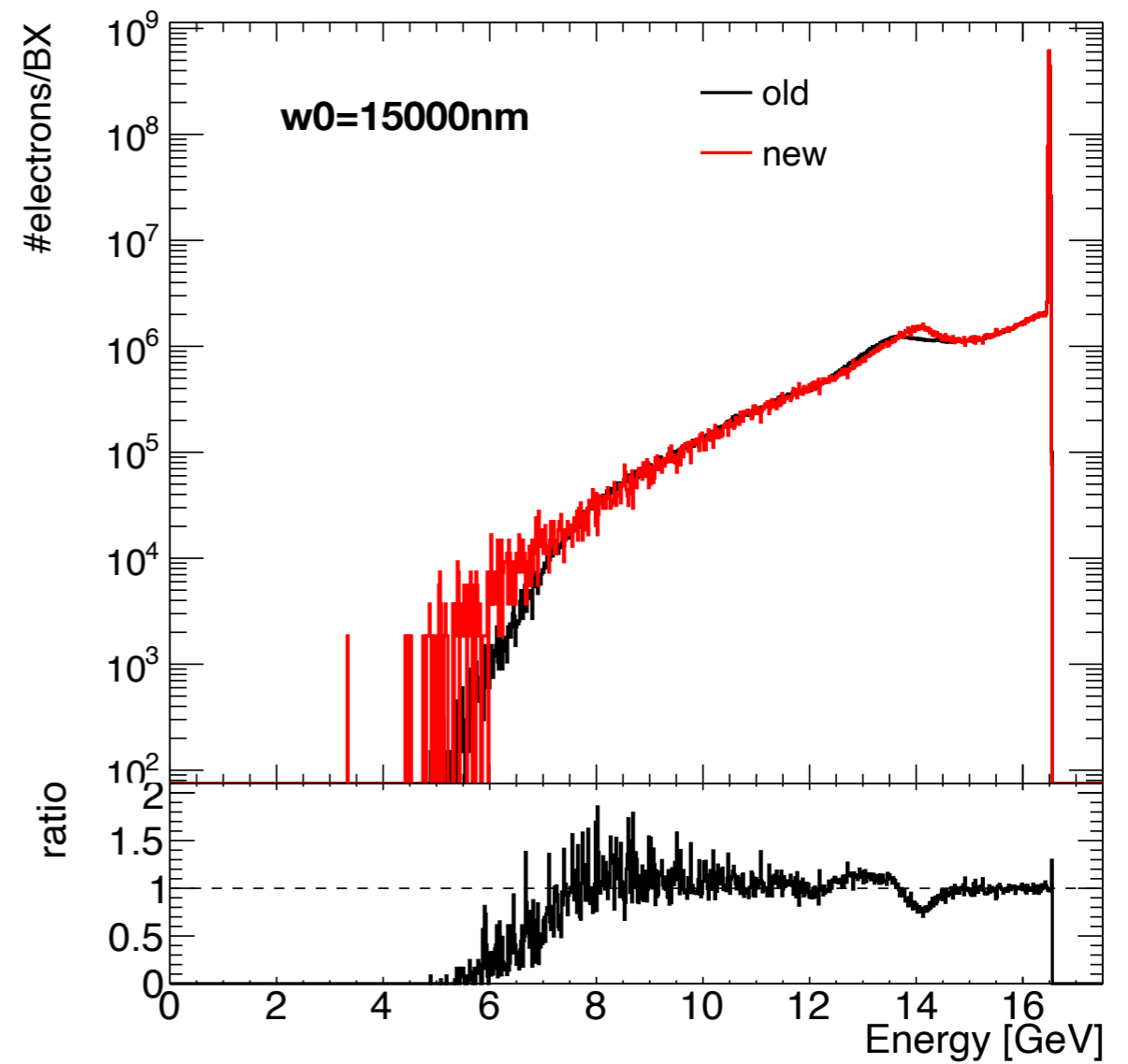
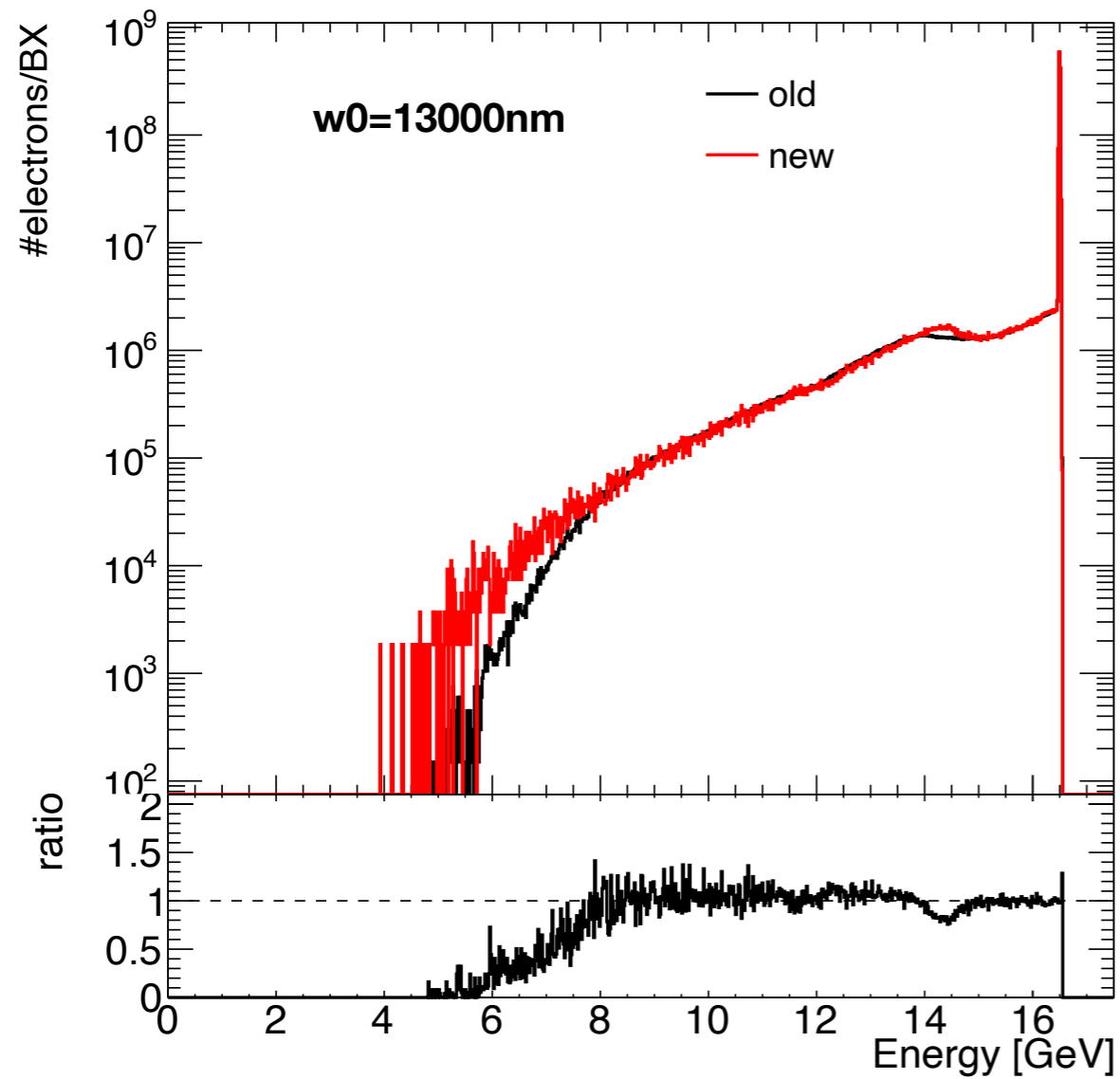
Generated Electron Energy



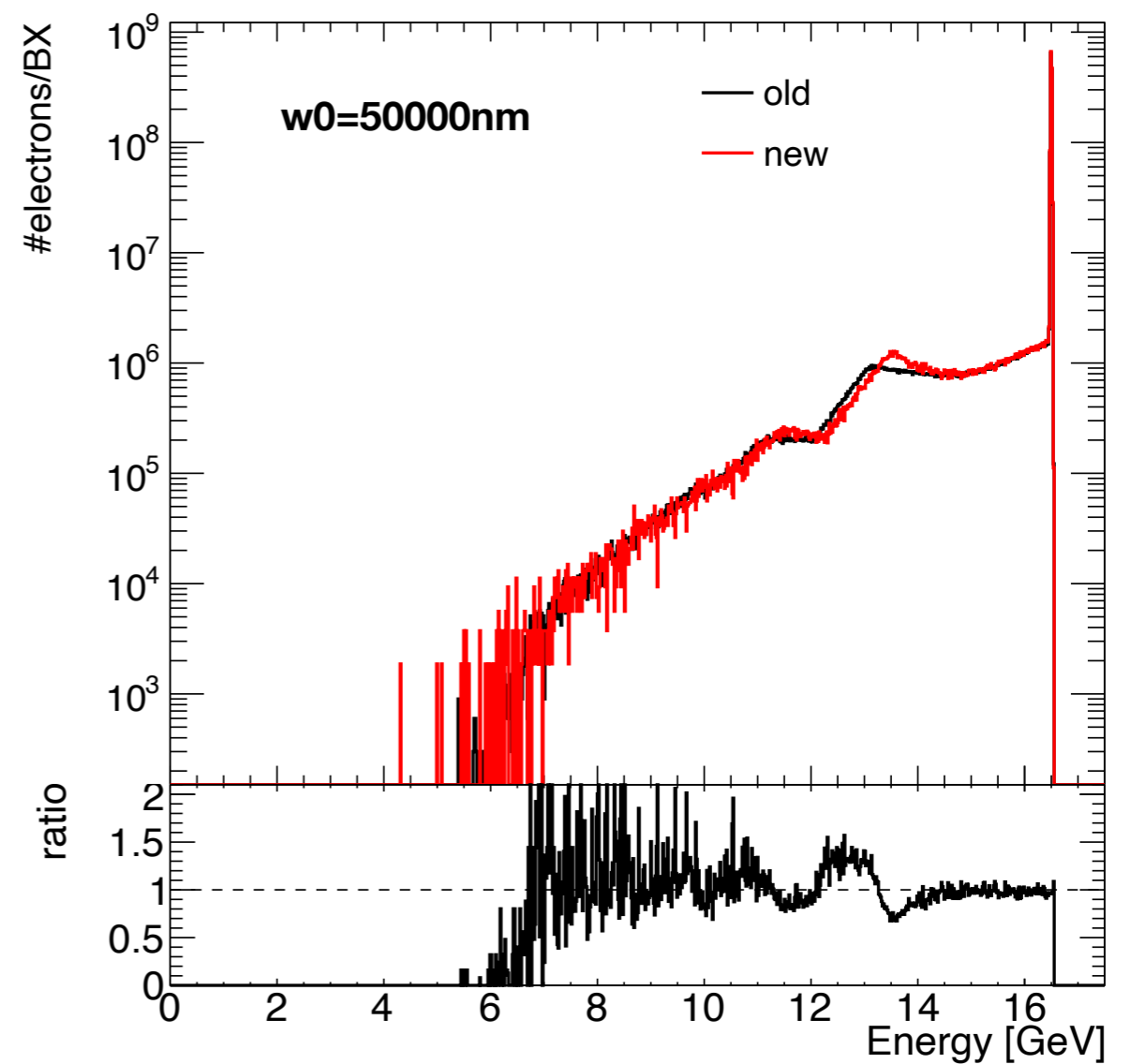
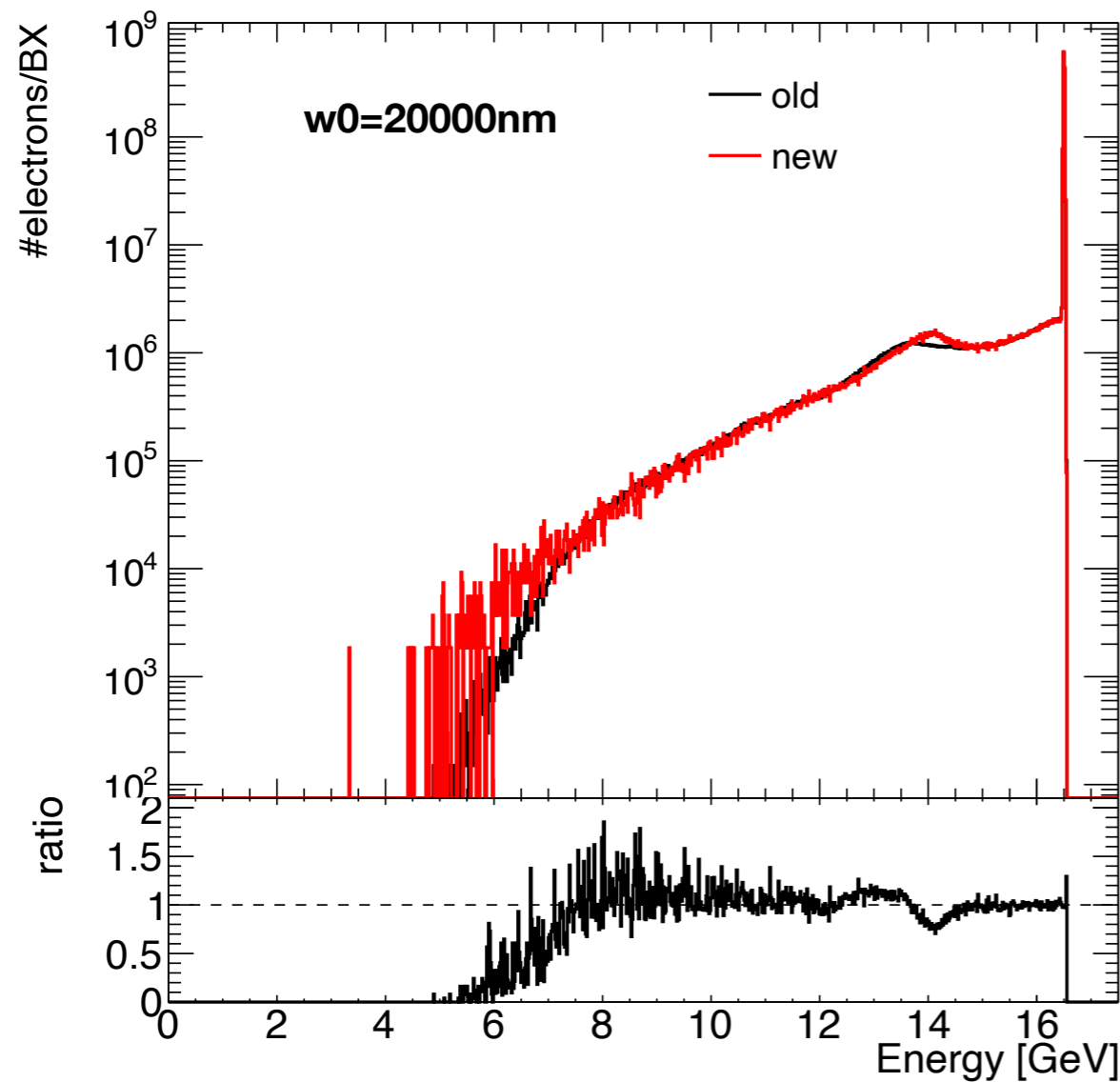
Generated Electron Energy



Generated Electron Energy

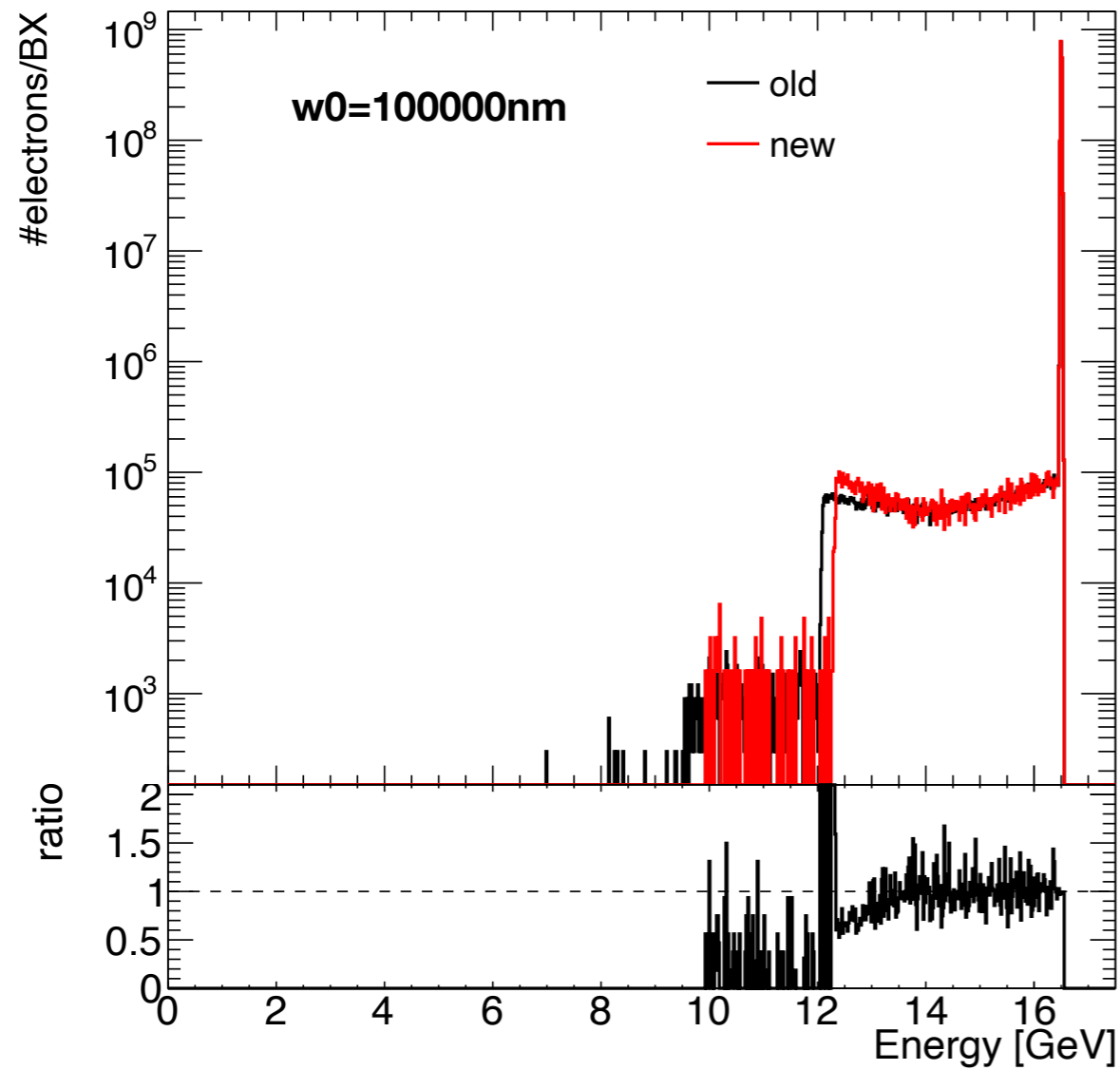


Generated Electron Energy



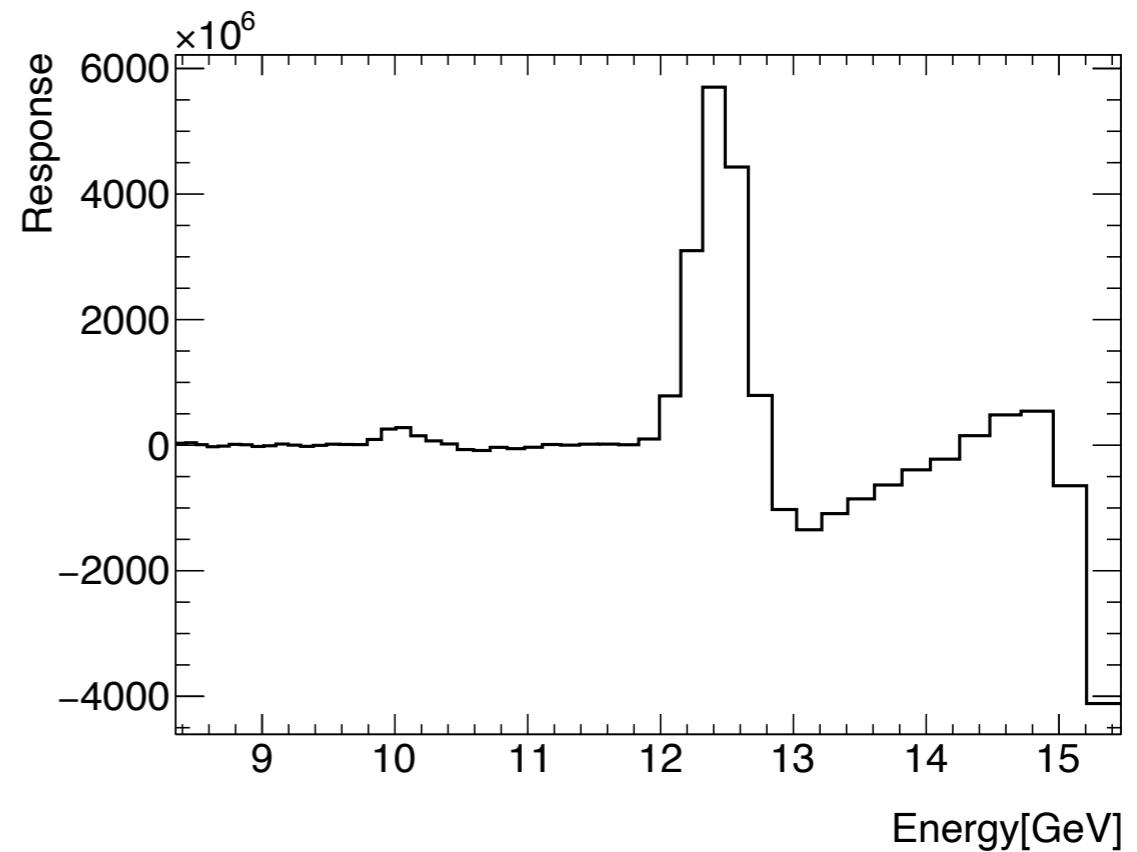
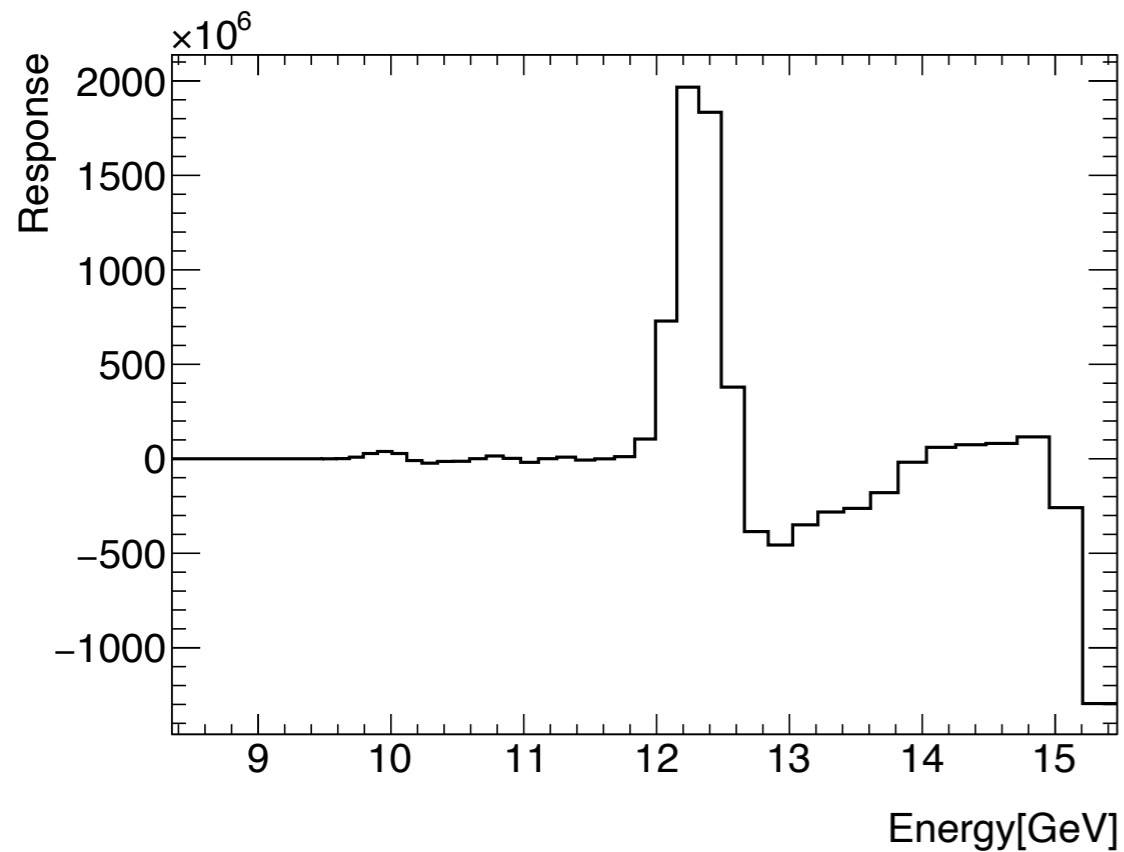
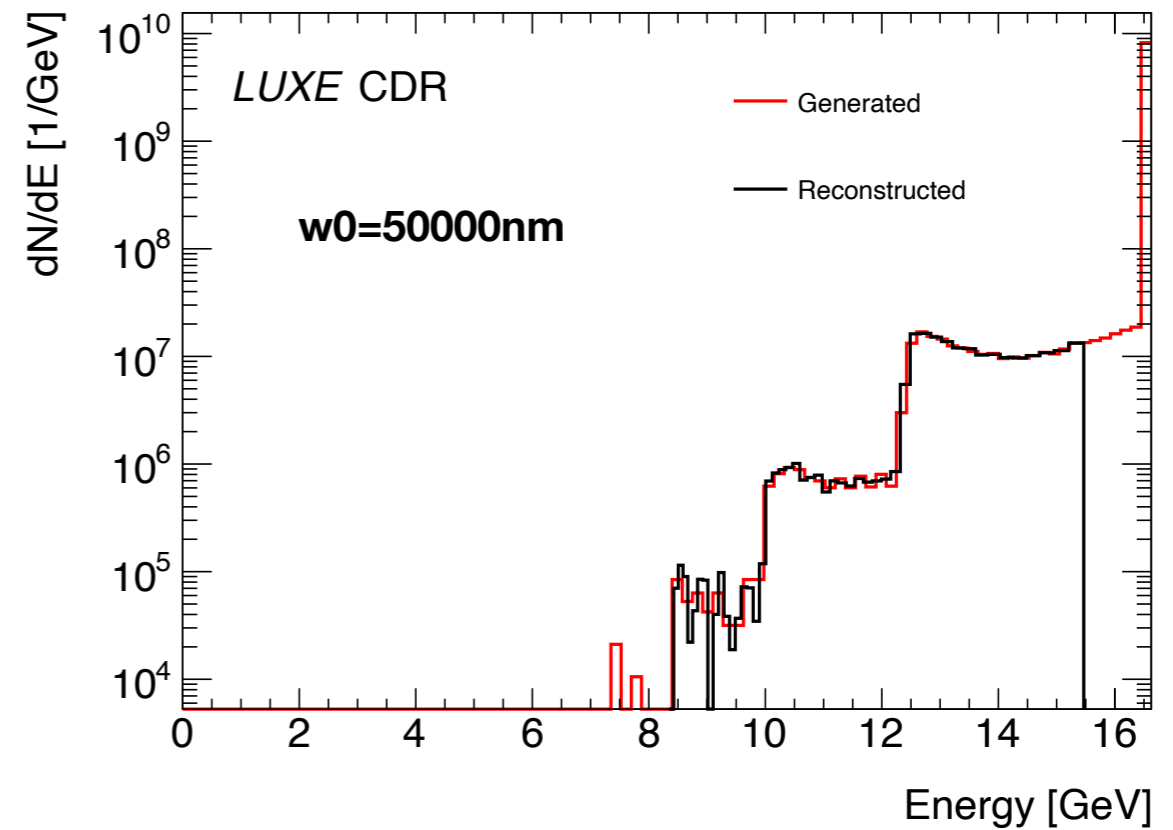
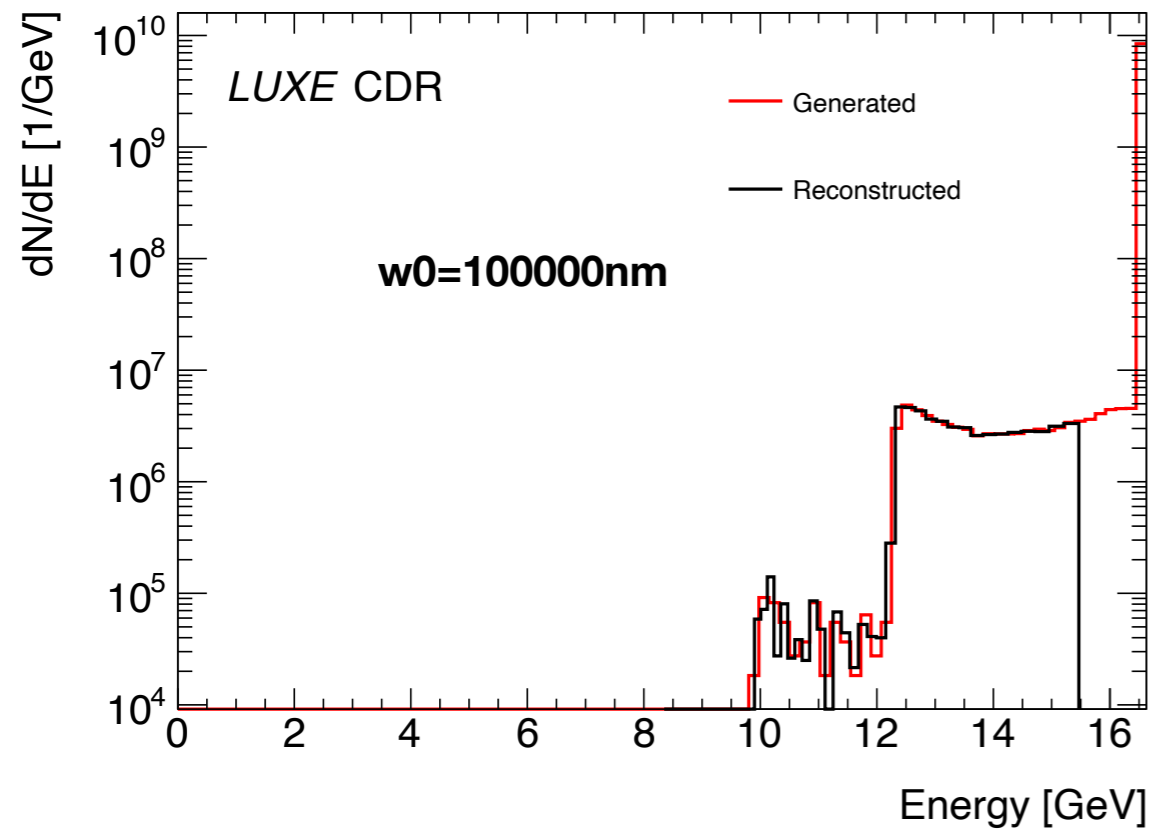
- Edges exhibit more pronounced “kink” at slightly higher energy

Generated Electron Energy

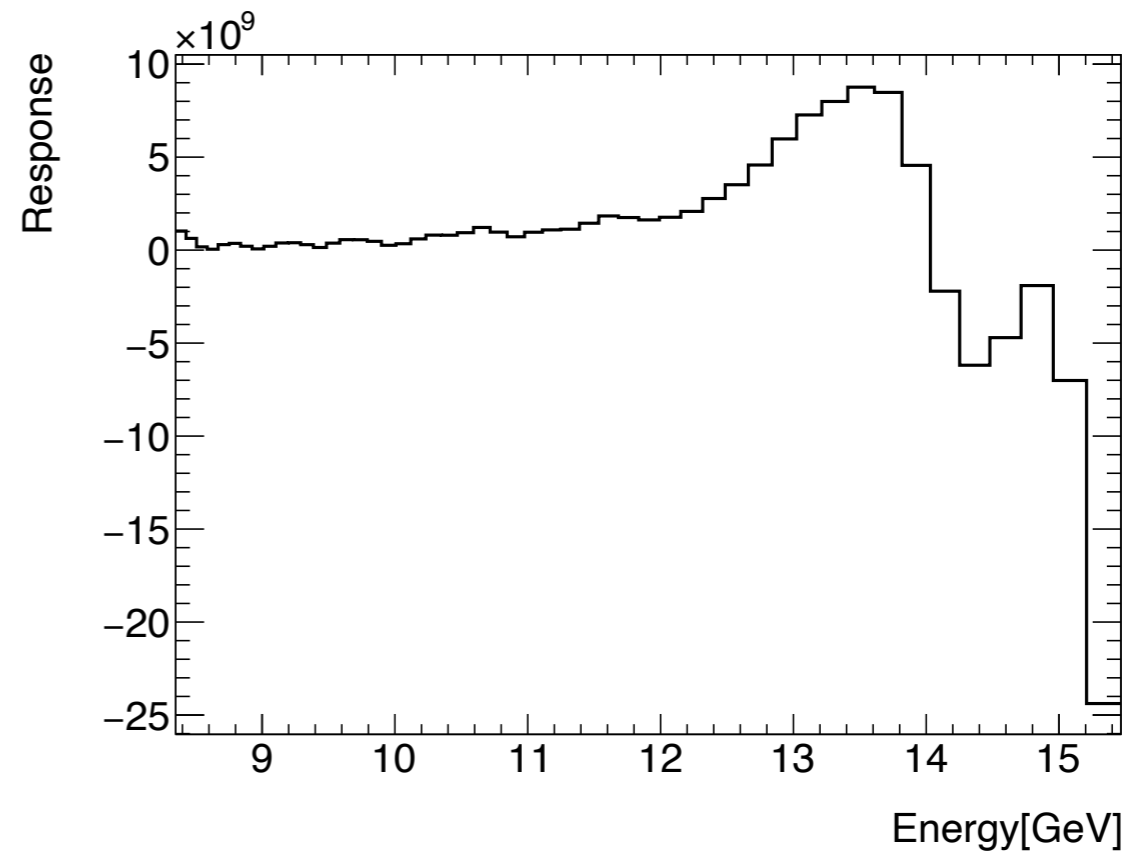
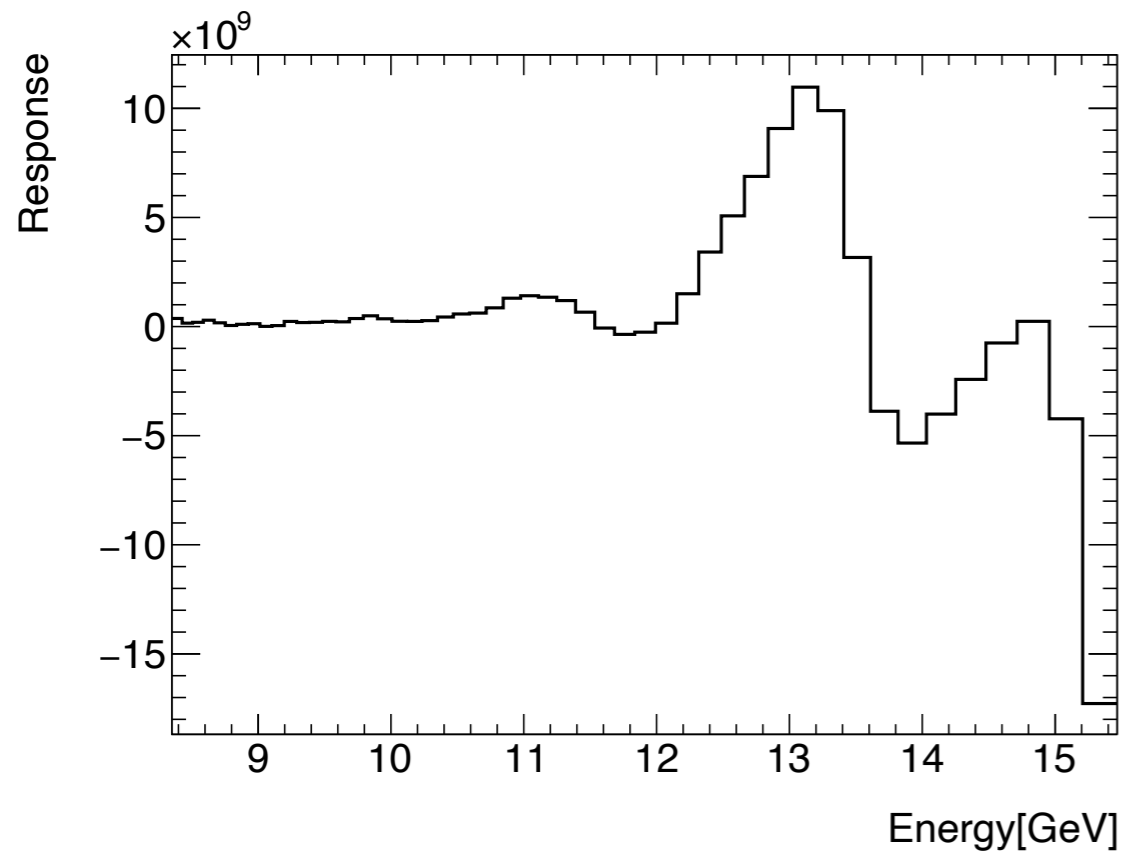
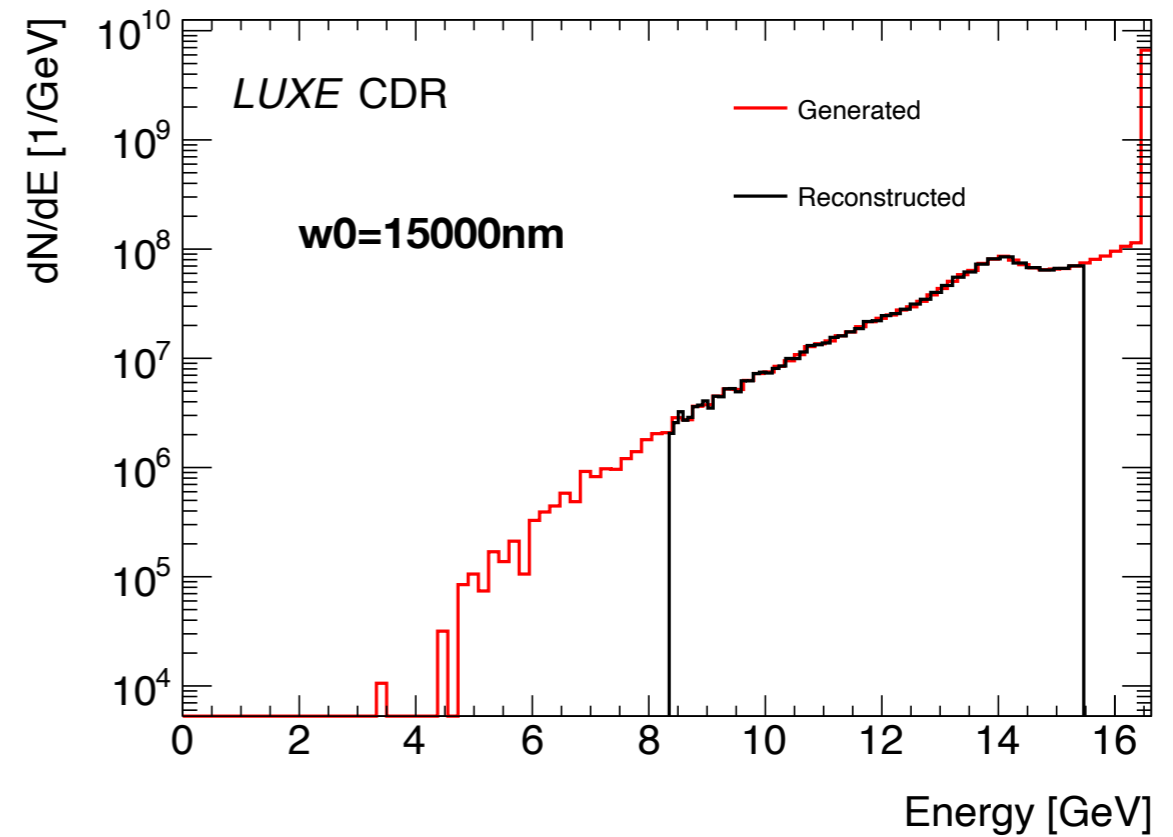
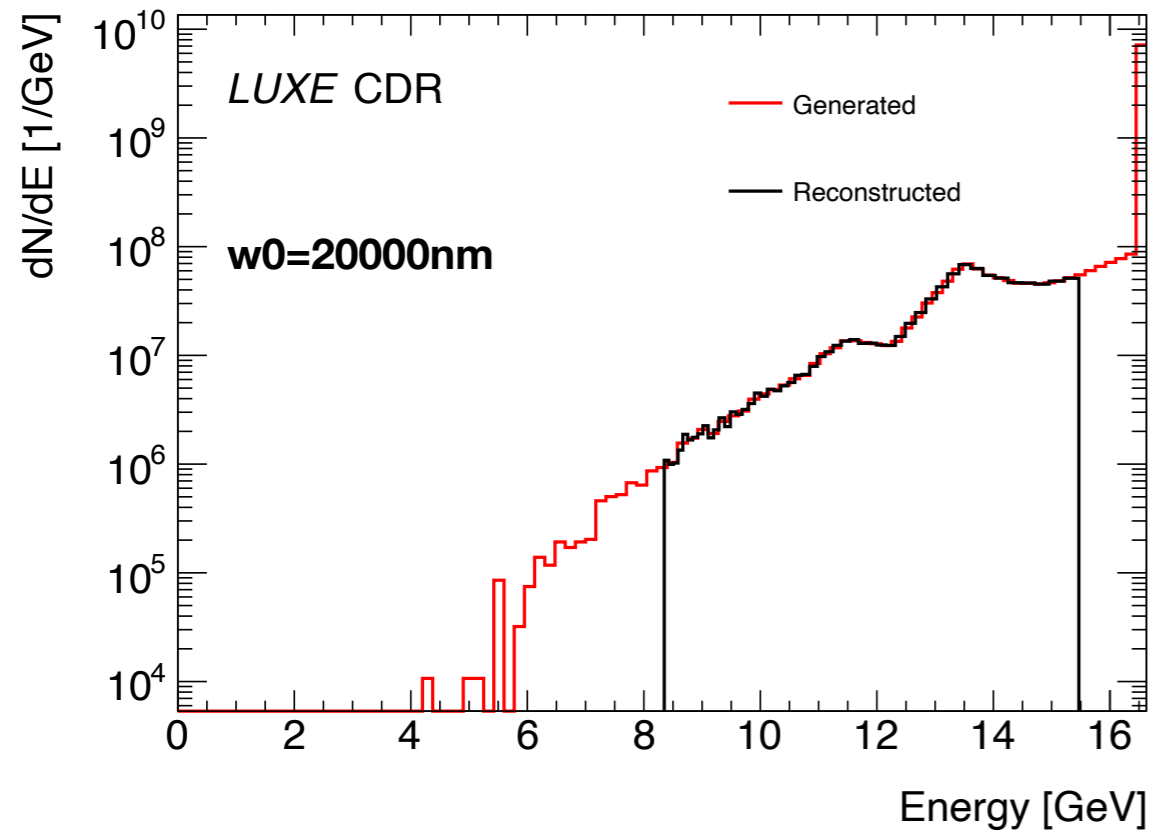


- Compton edge moved to slightly higher energy

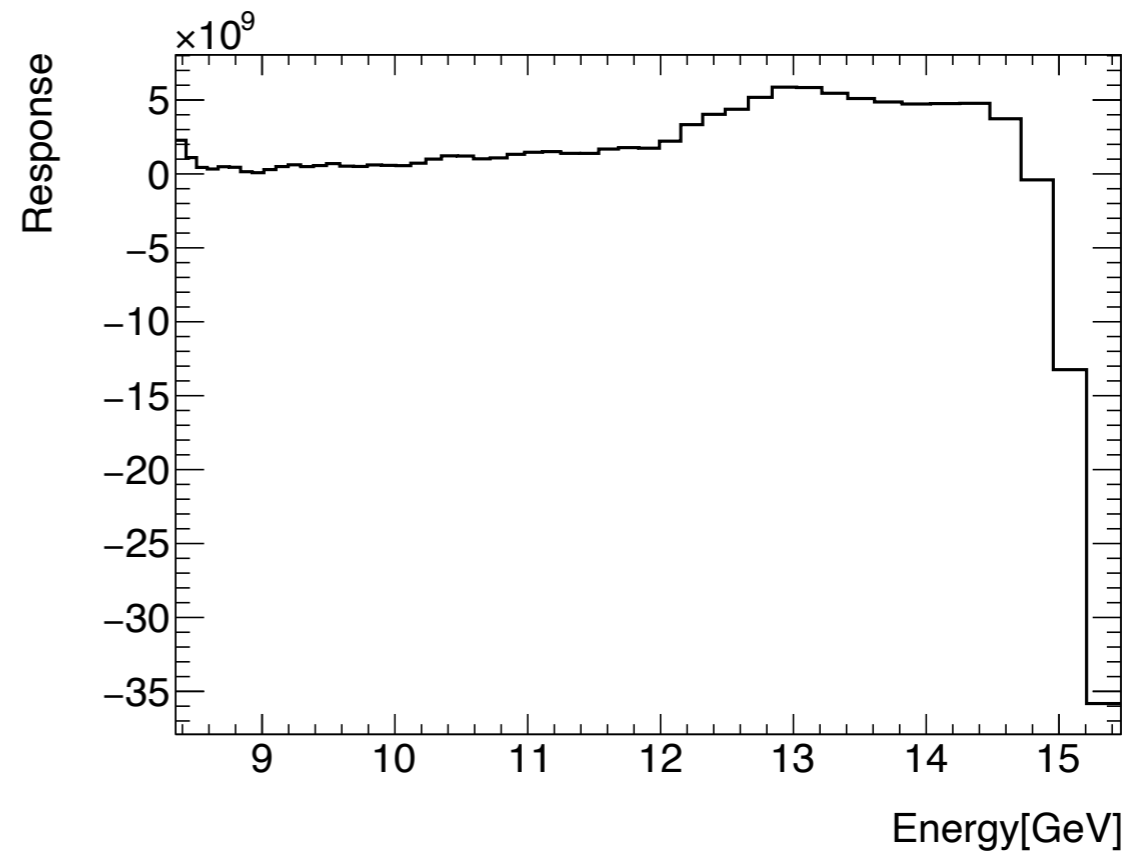
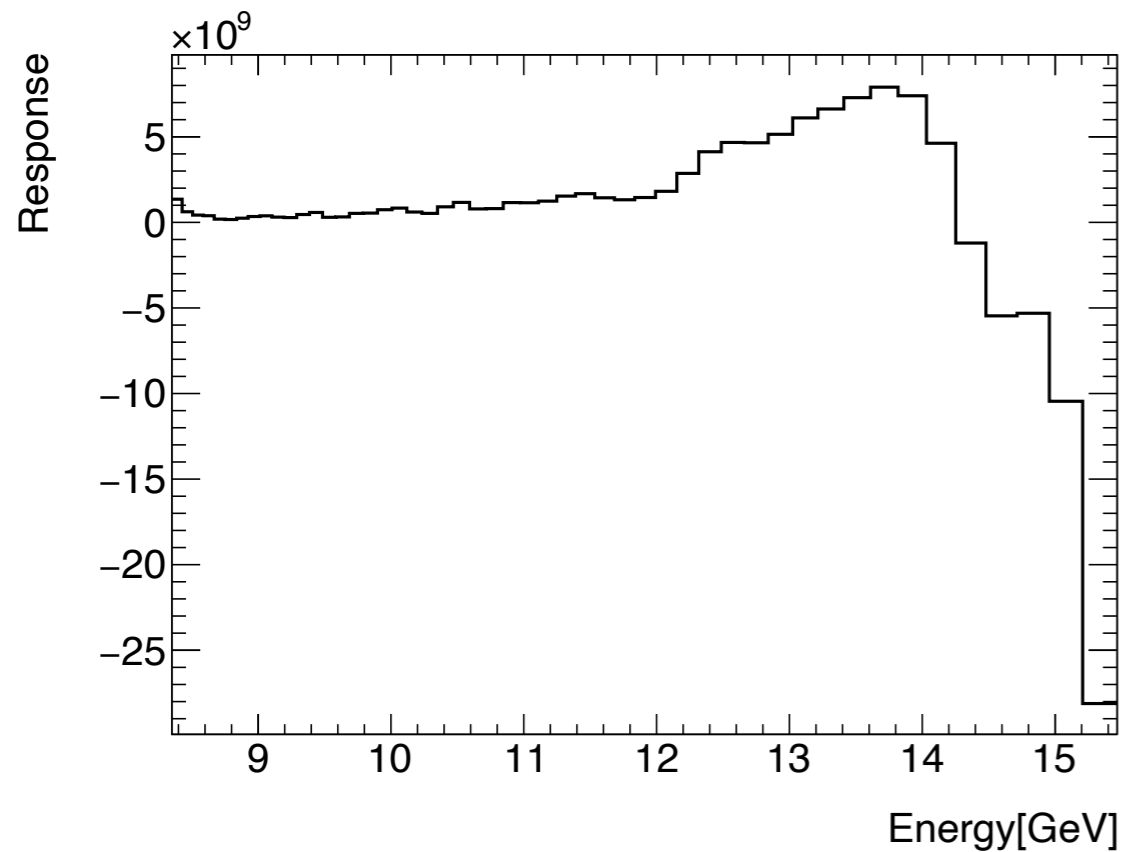
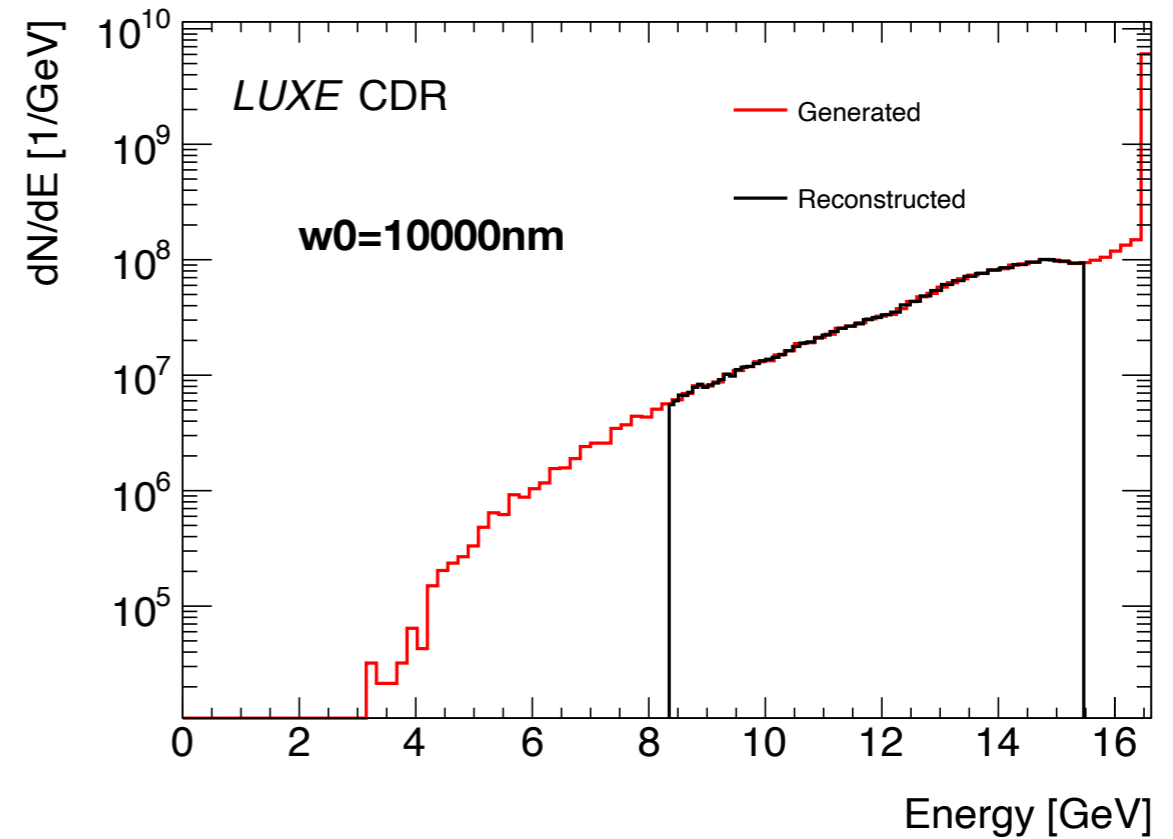
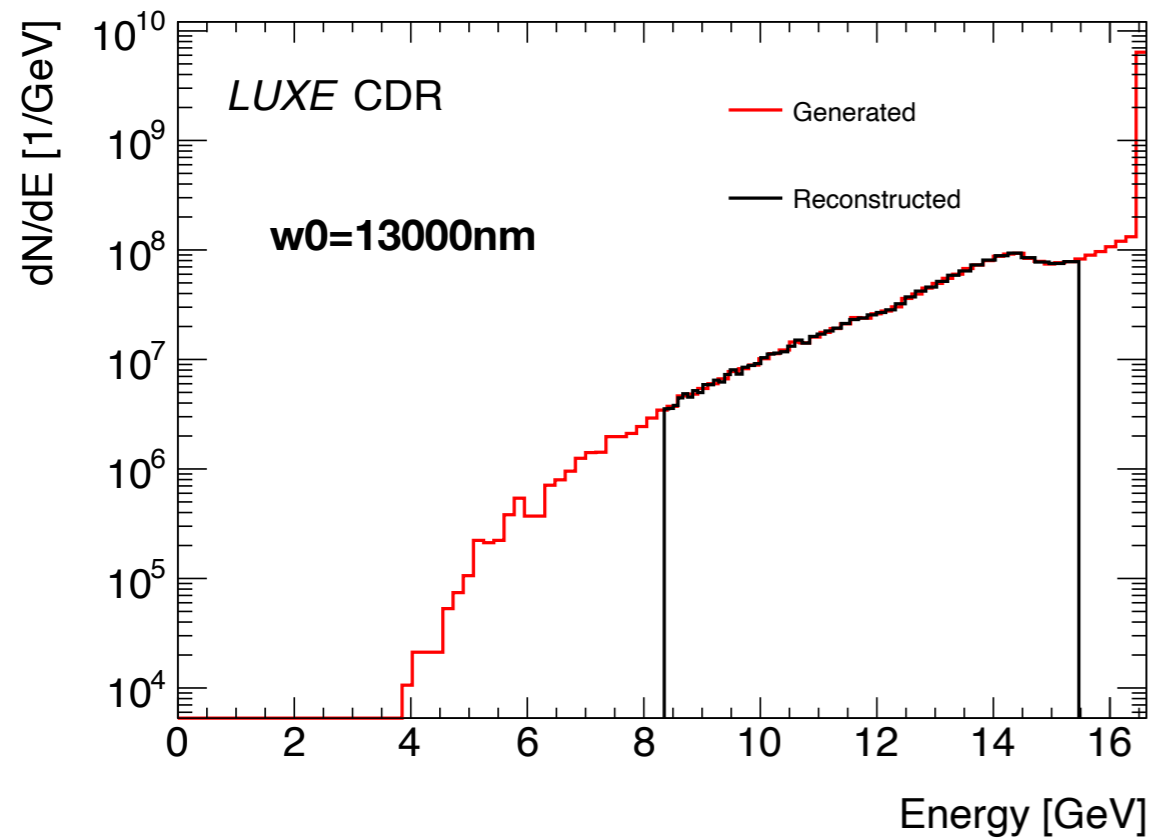
“Reco” Energy & Response to FIR



“Reco” Energy & Response



“Reco” Energy & Response



Results

