

Neutron Visuals

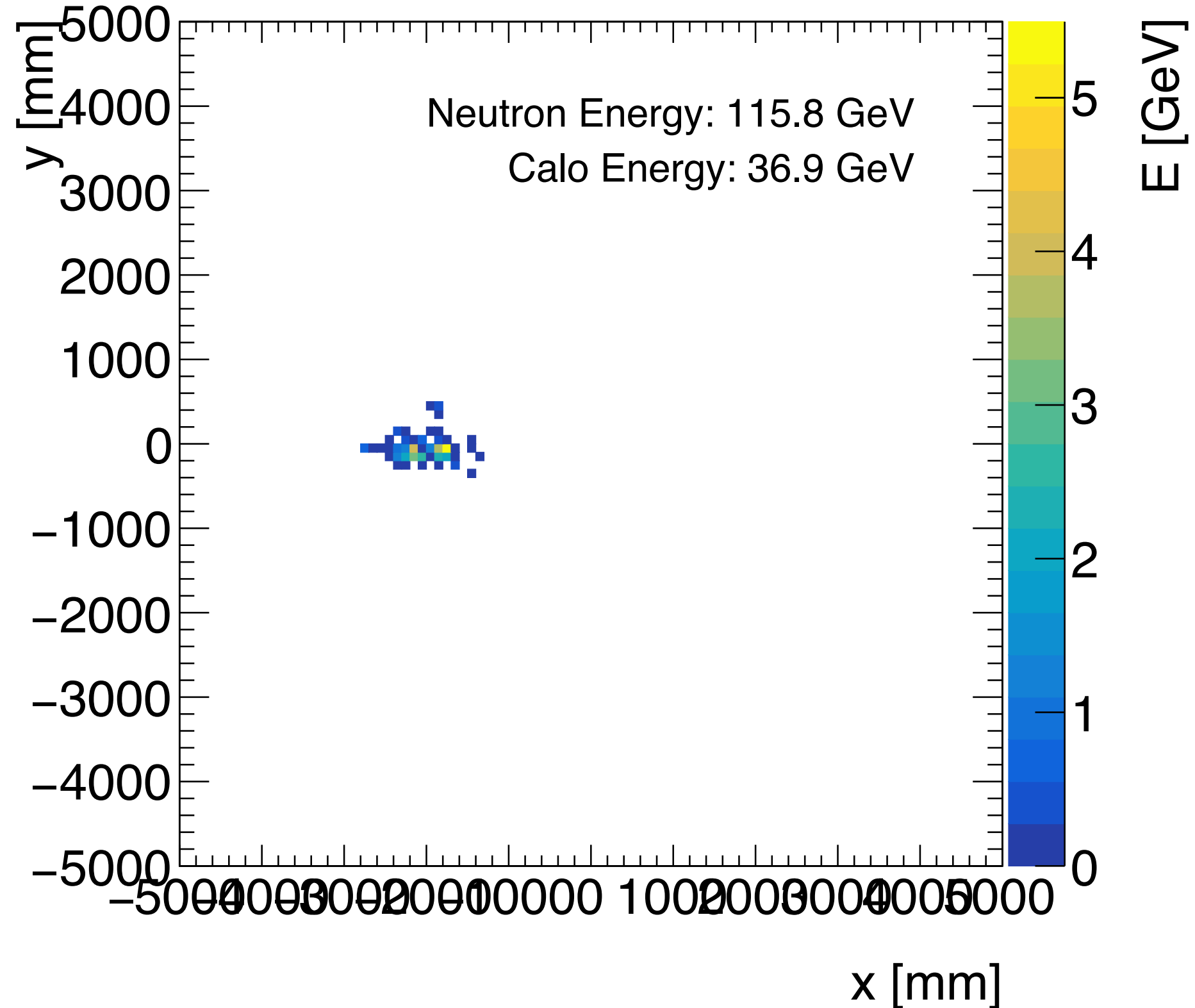
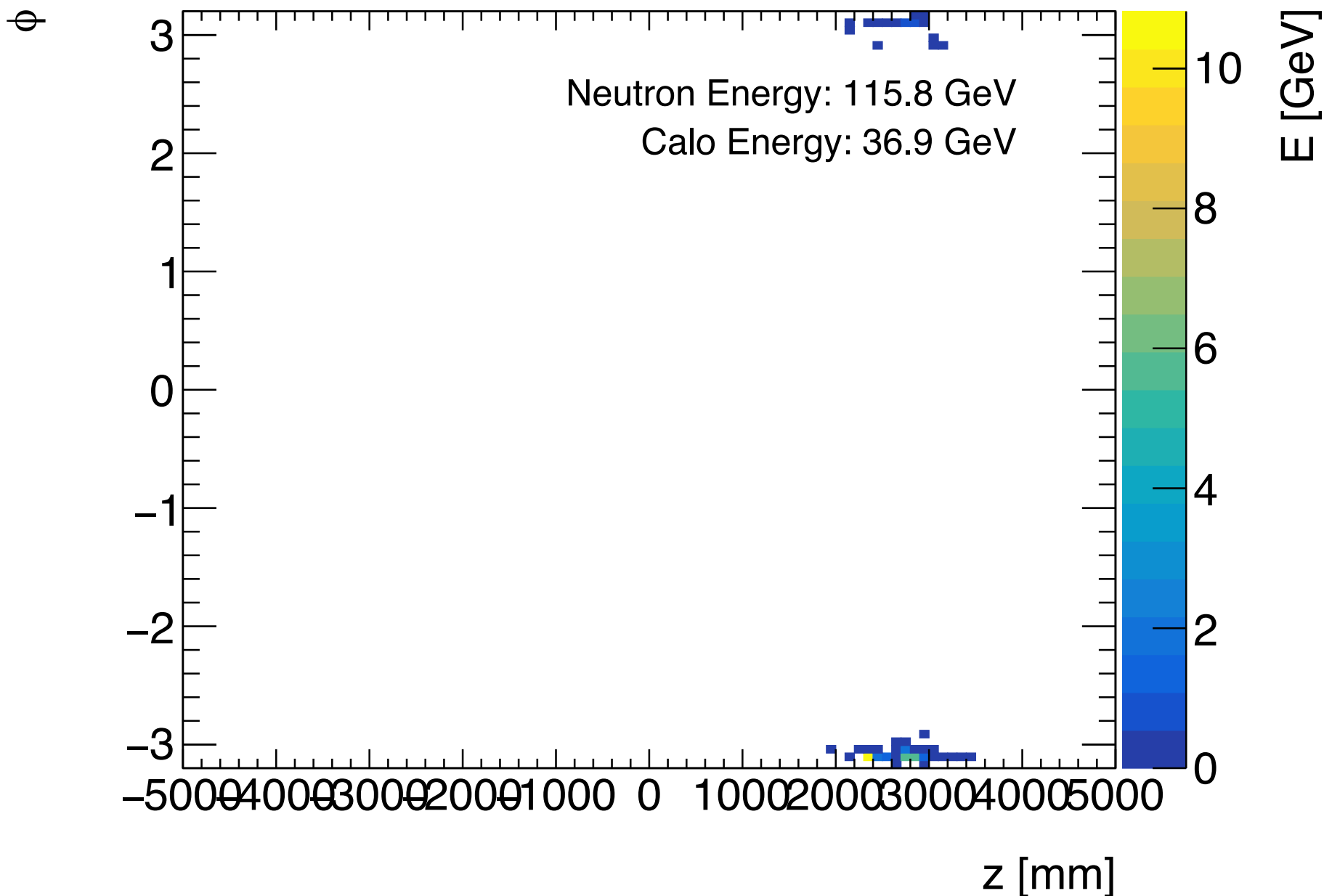
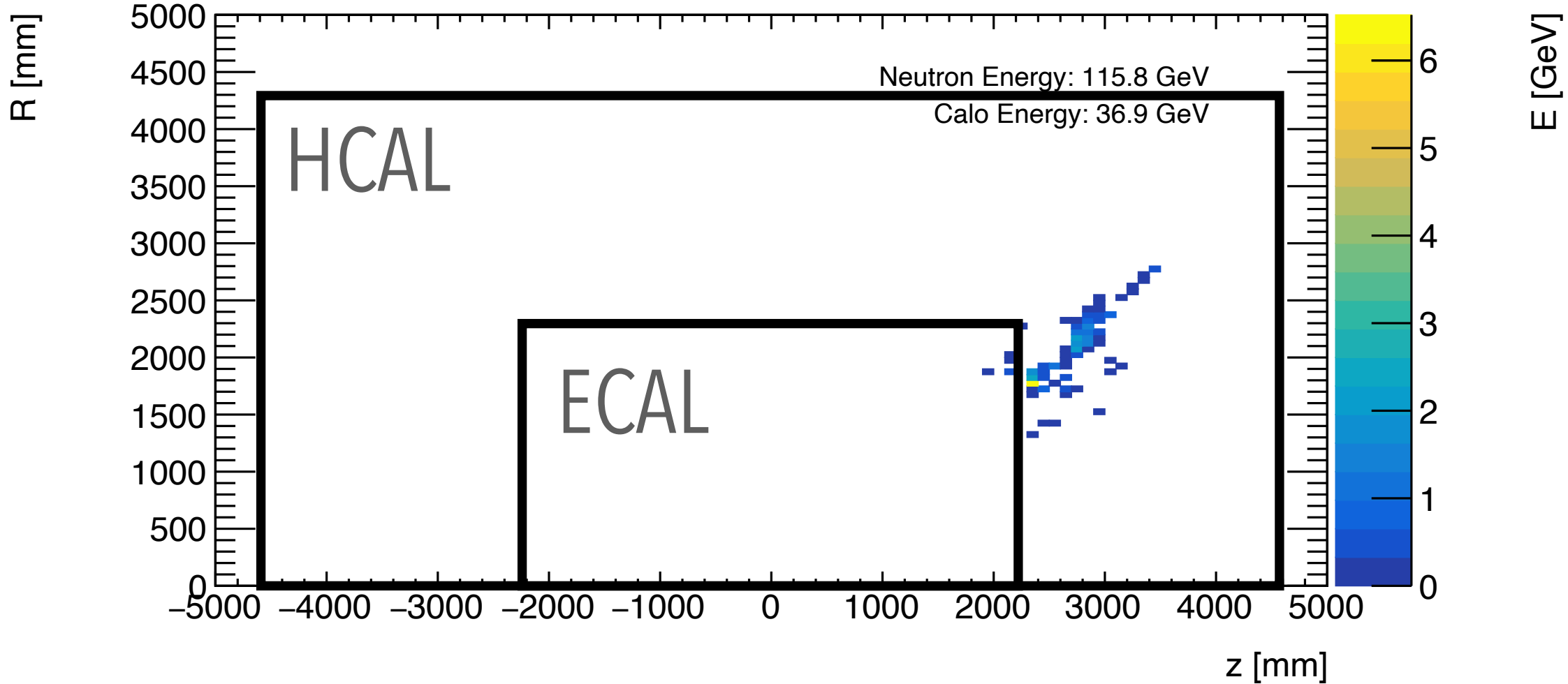
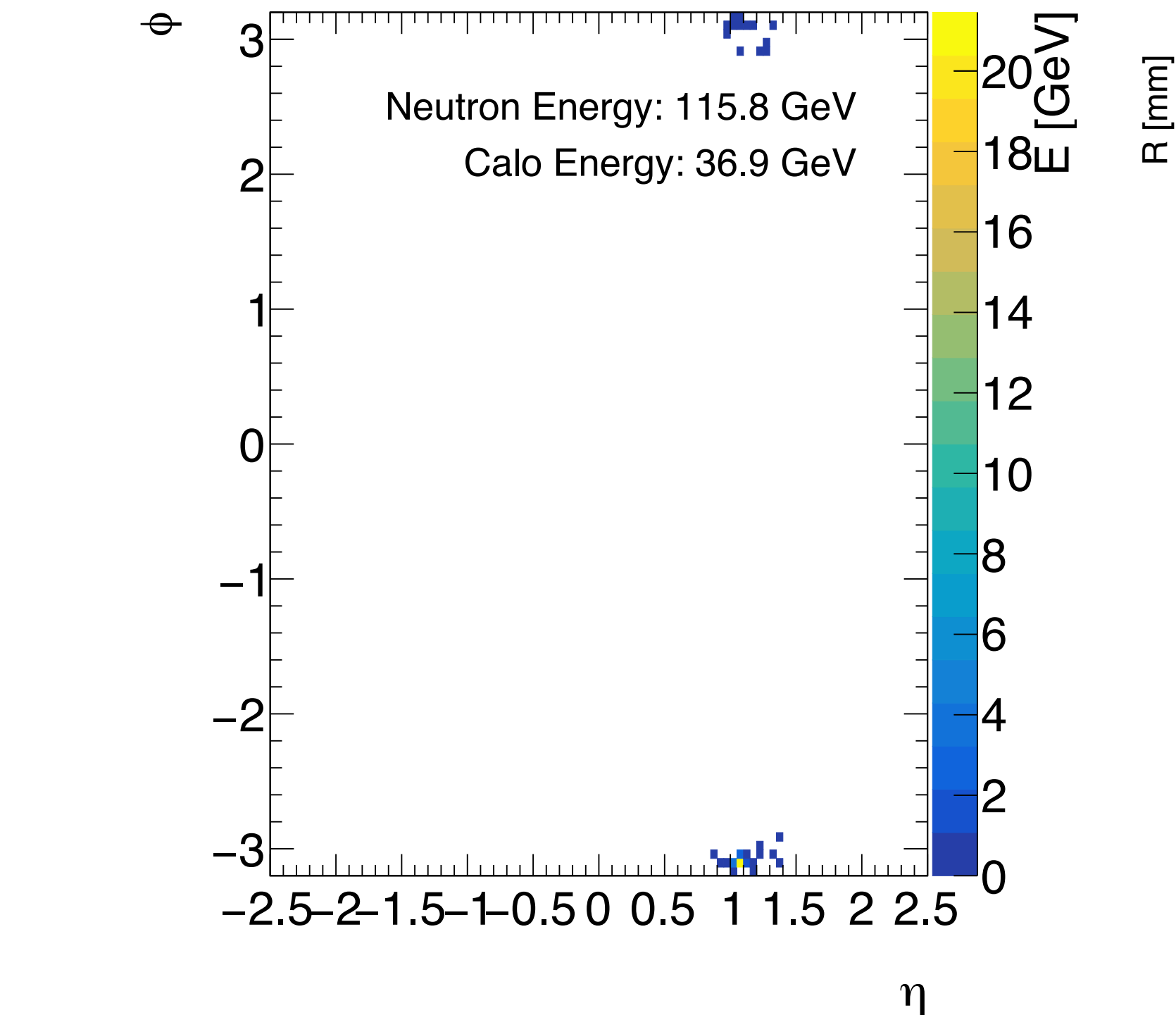


TOVA HOLMES, U. OF TENNESSEE
MAIA DETECTOR CONCEPT
29 MAY 2025

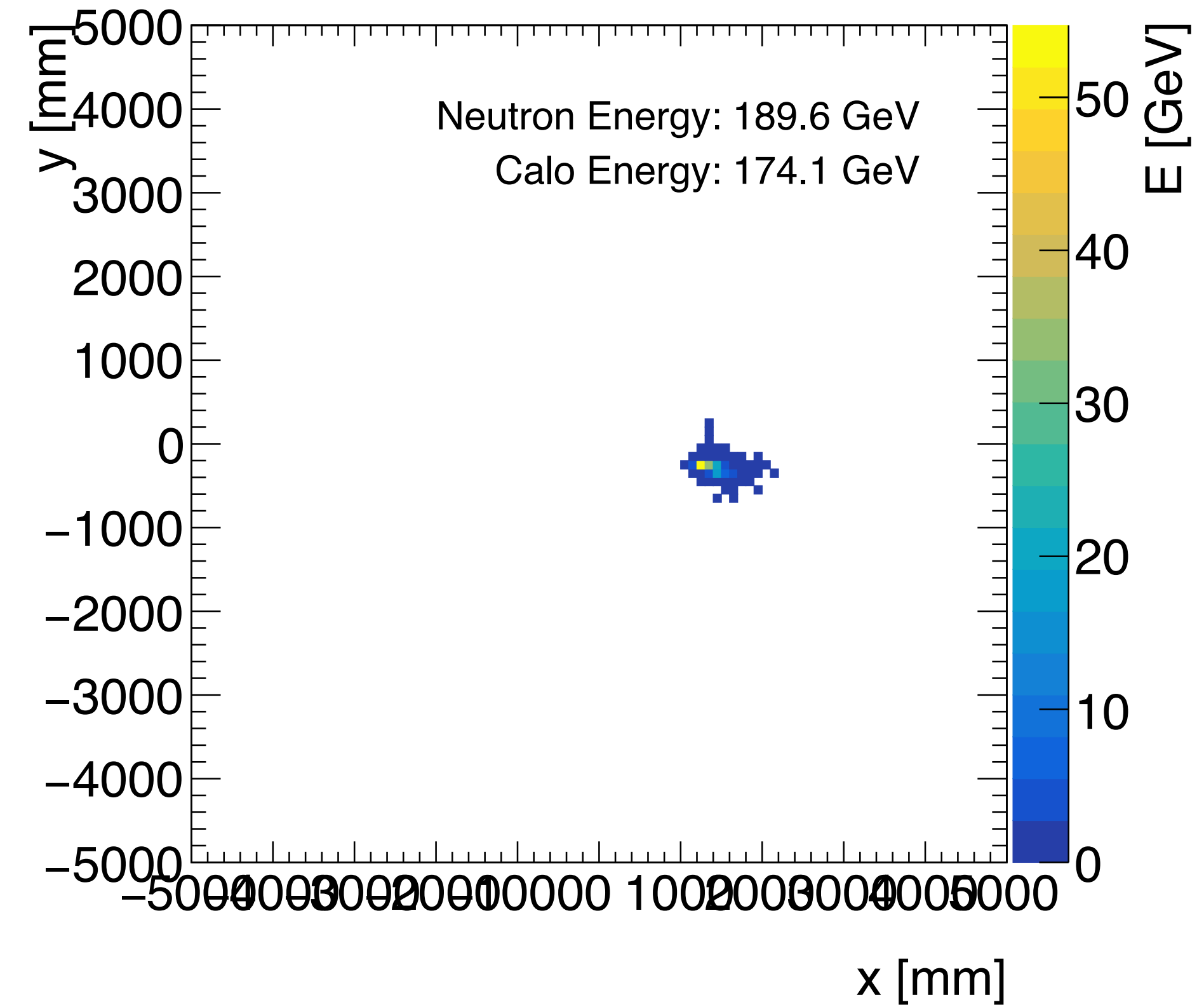
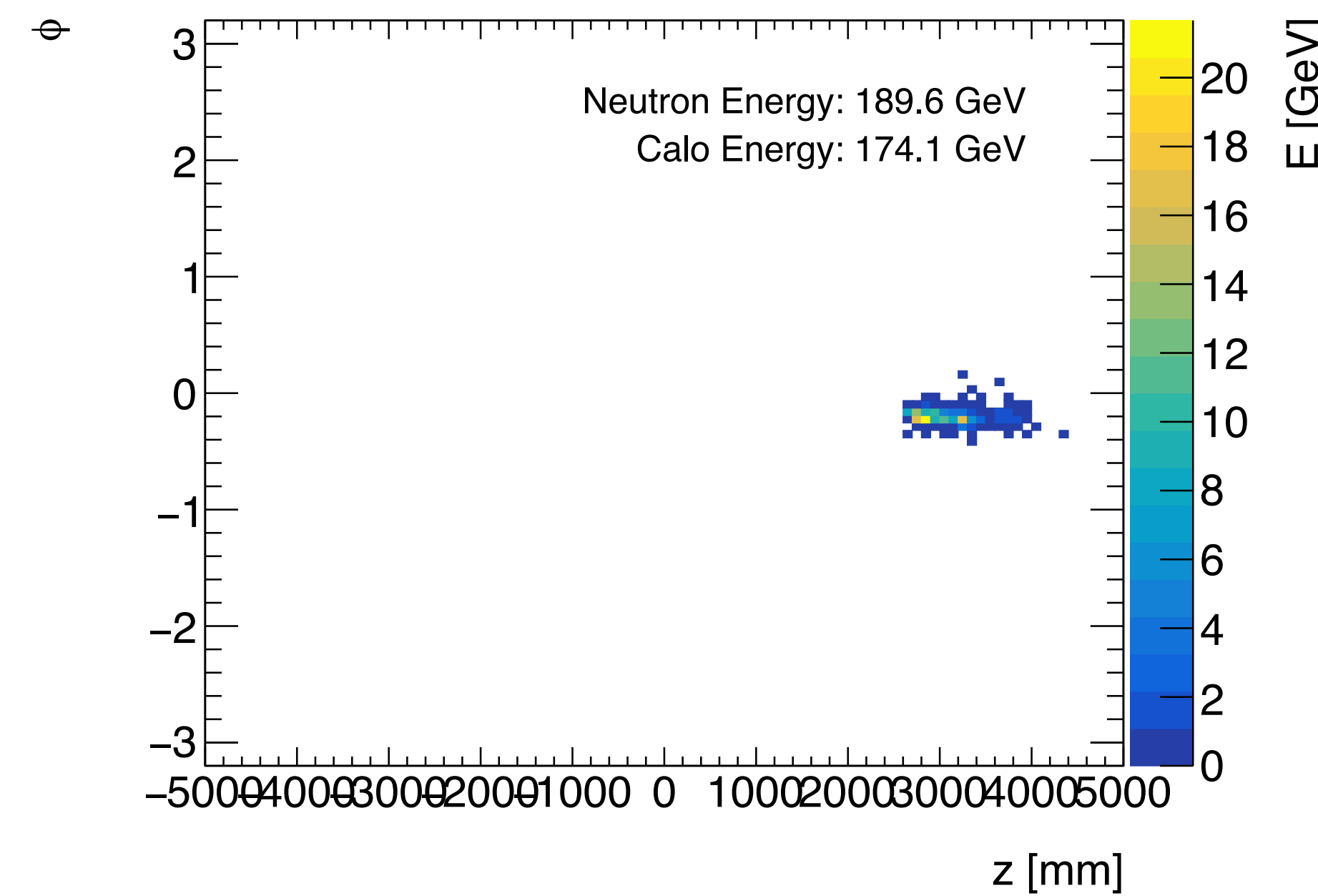
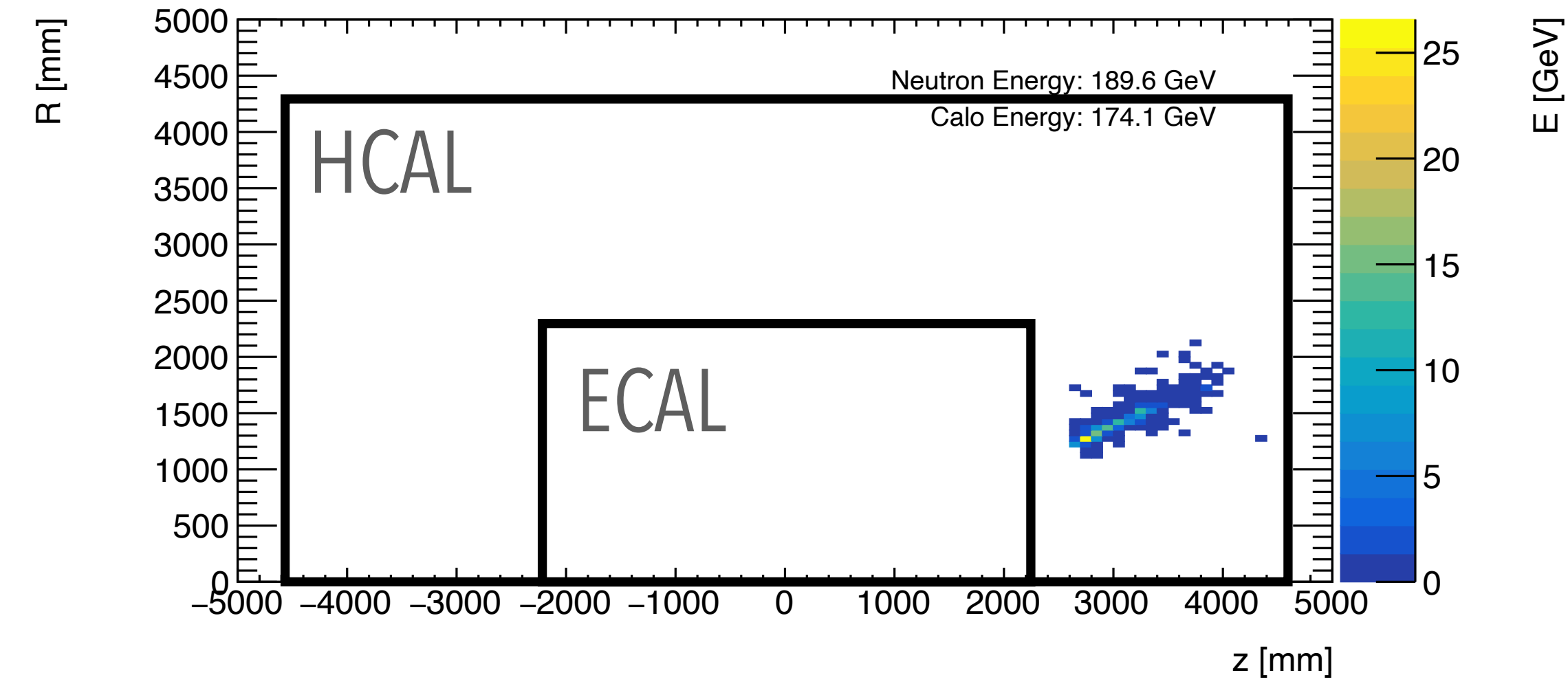
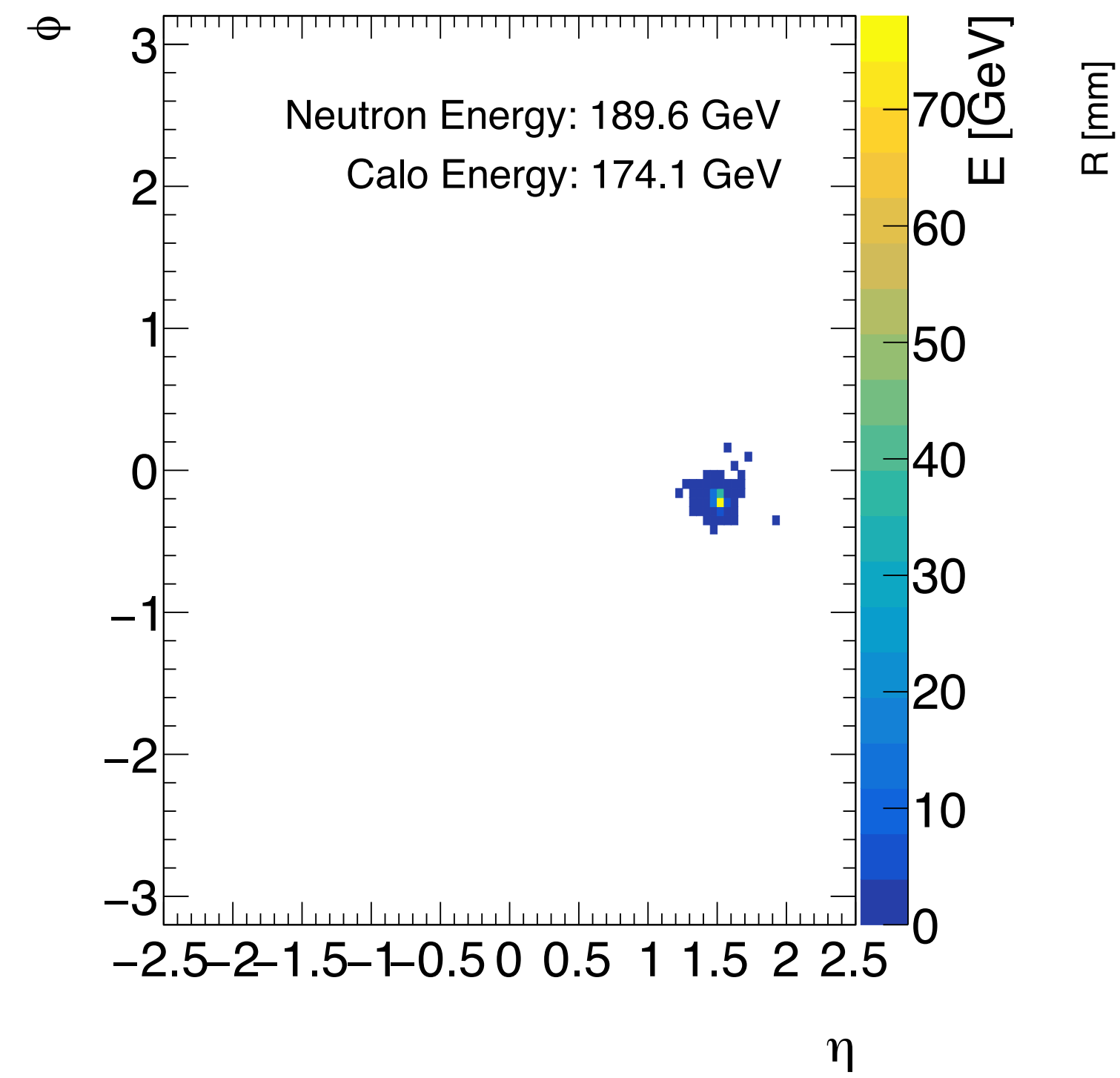
Closer look at neutrons

What happened to
the rest of the
energy?

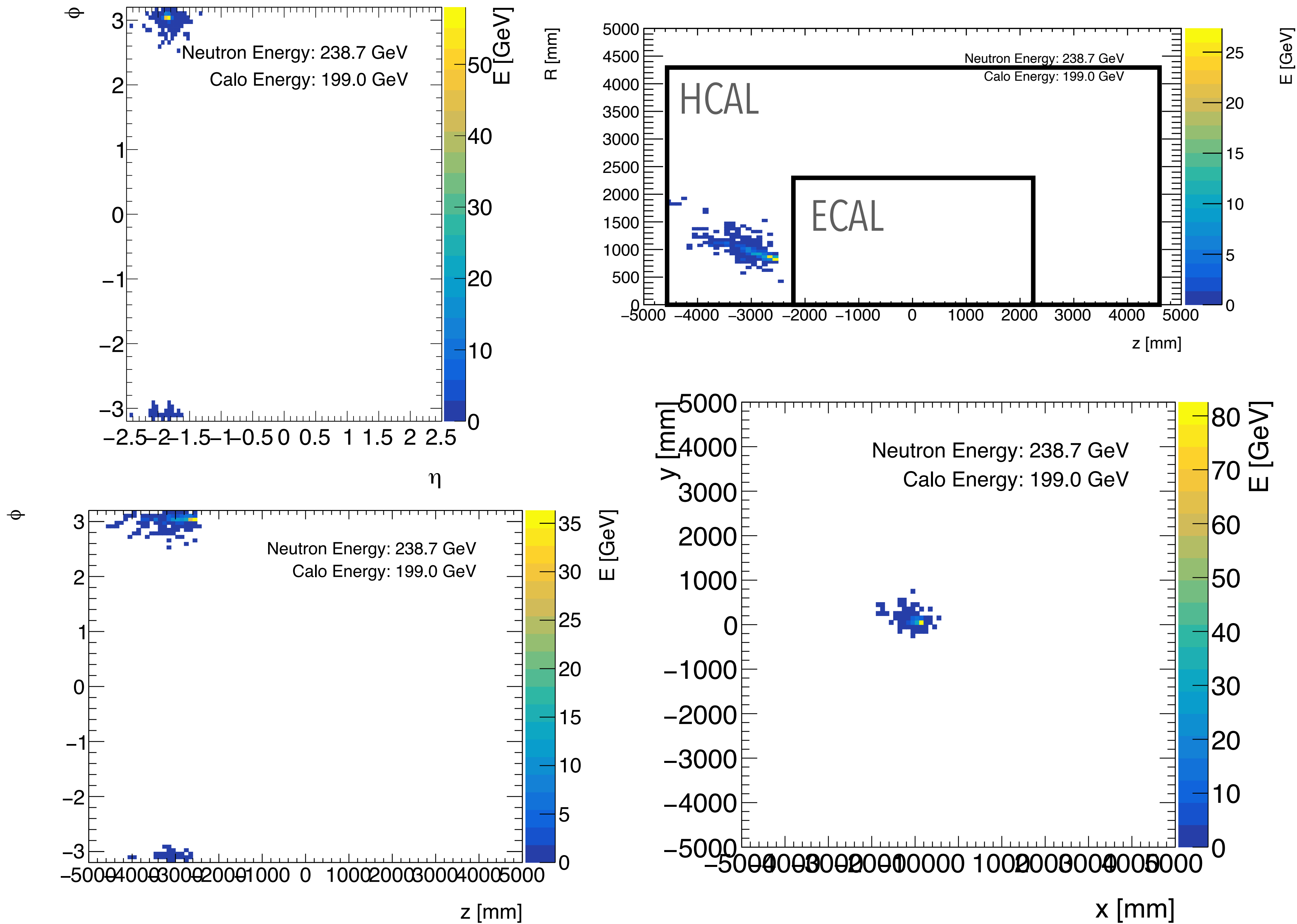
This one is in the
transition region



Closer look at neutrons



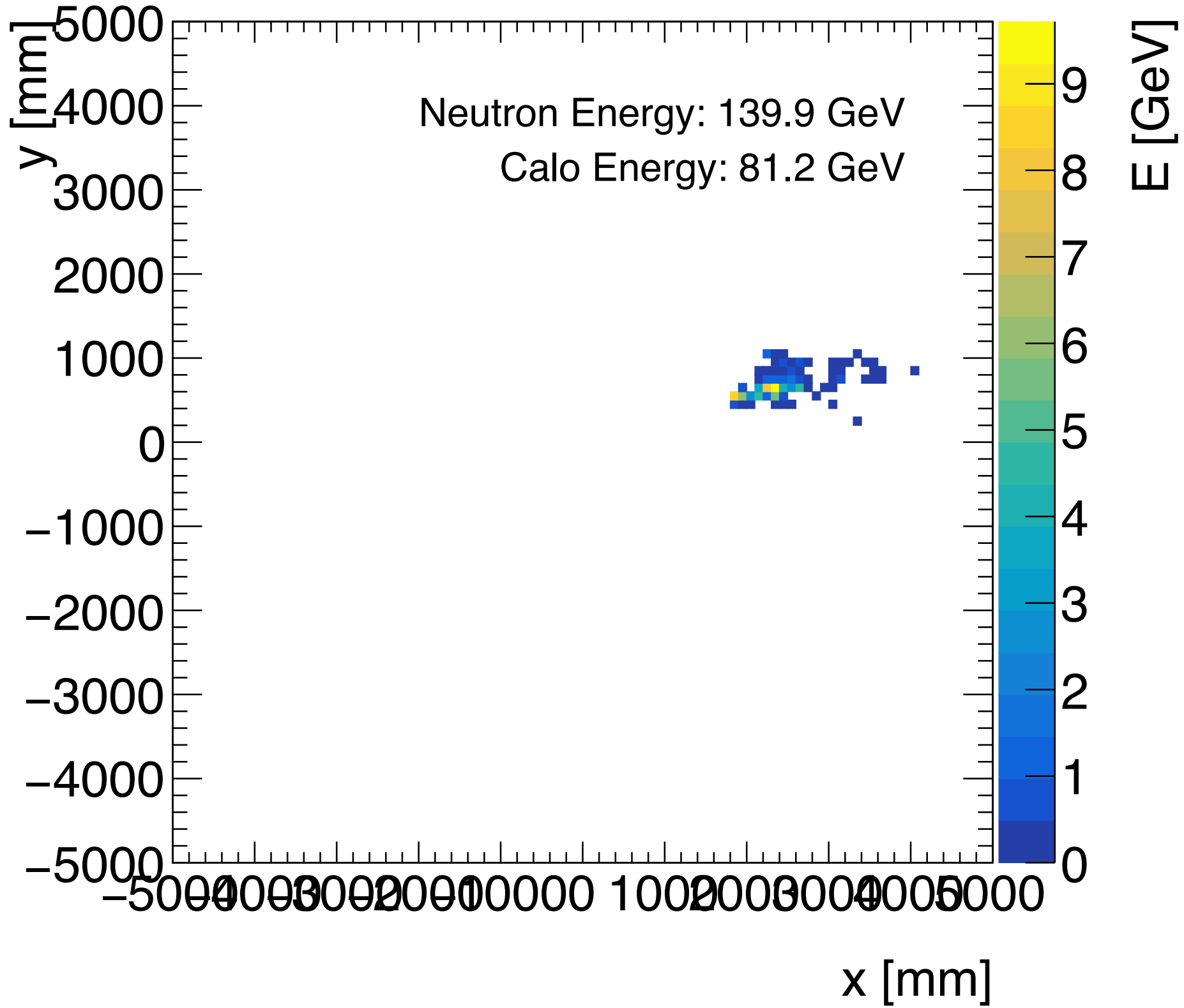
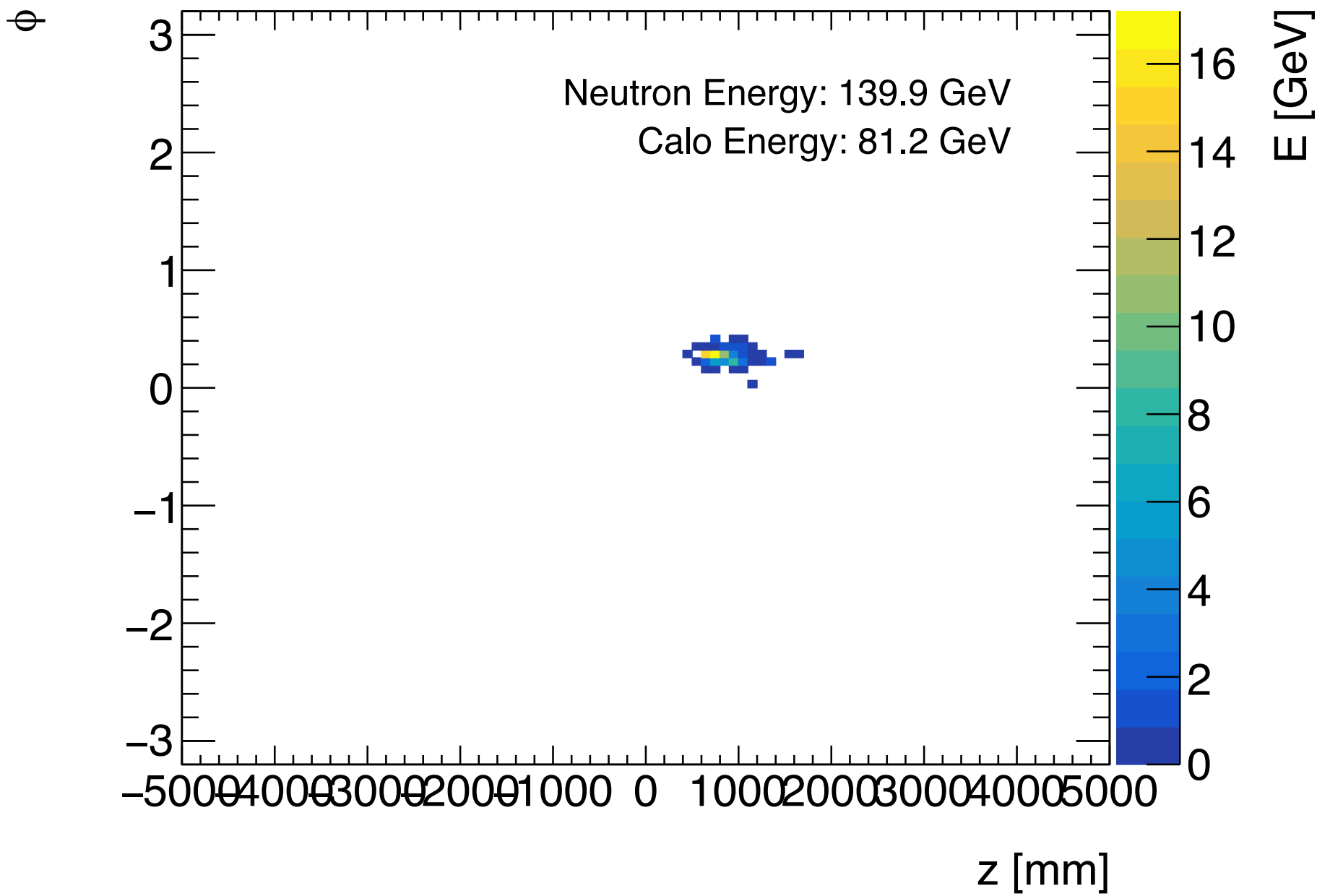
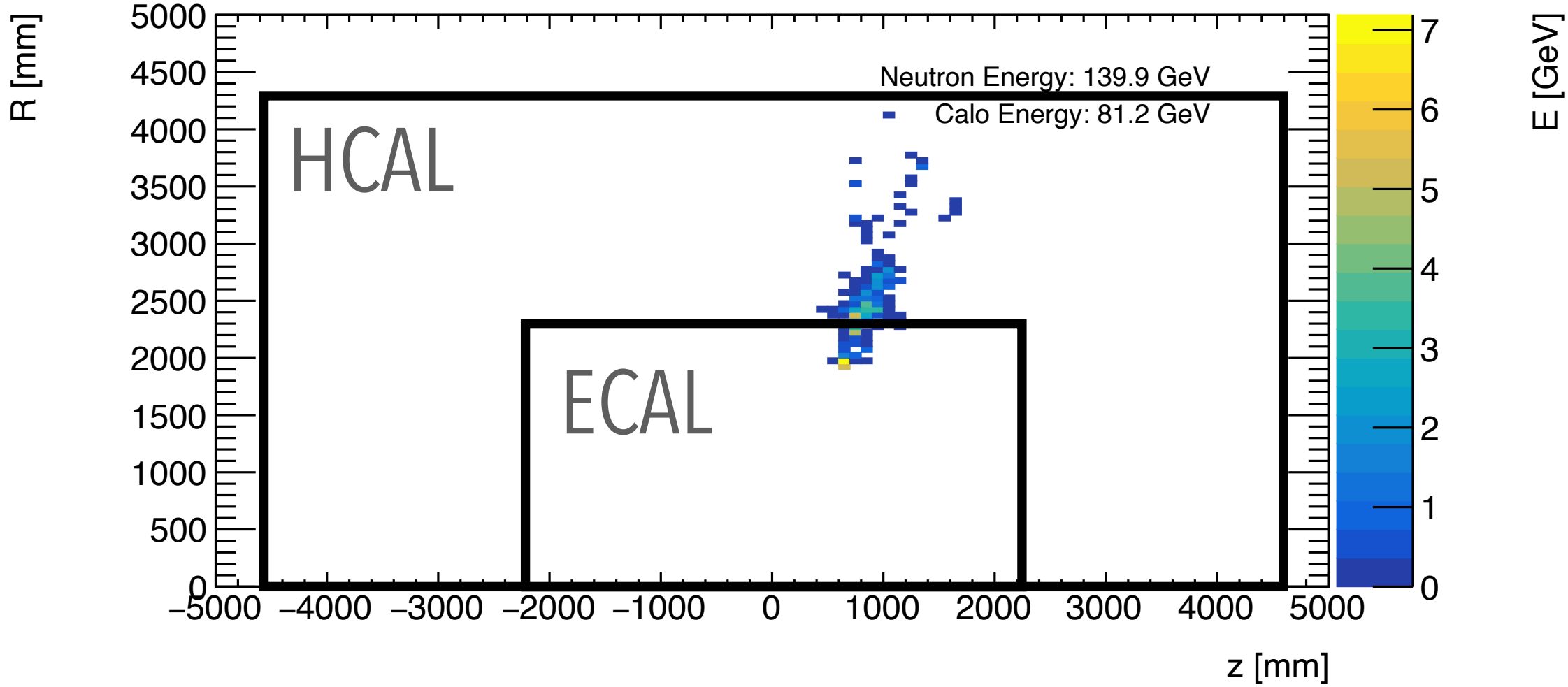
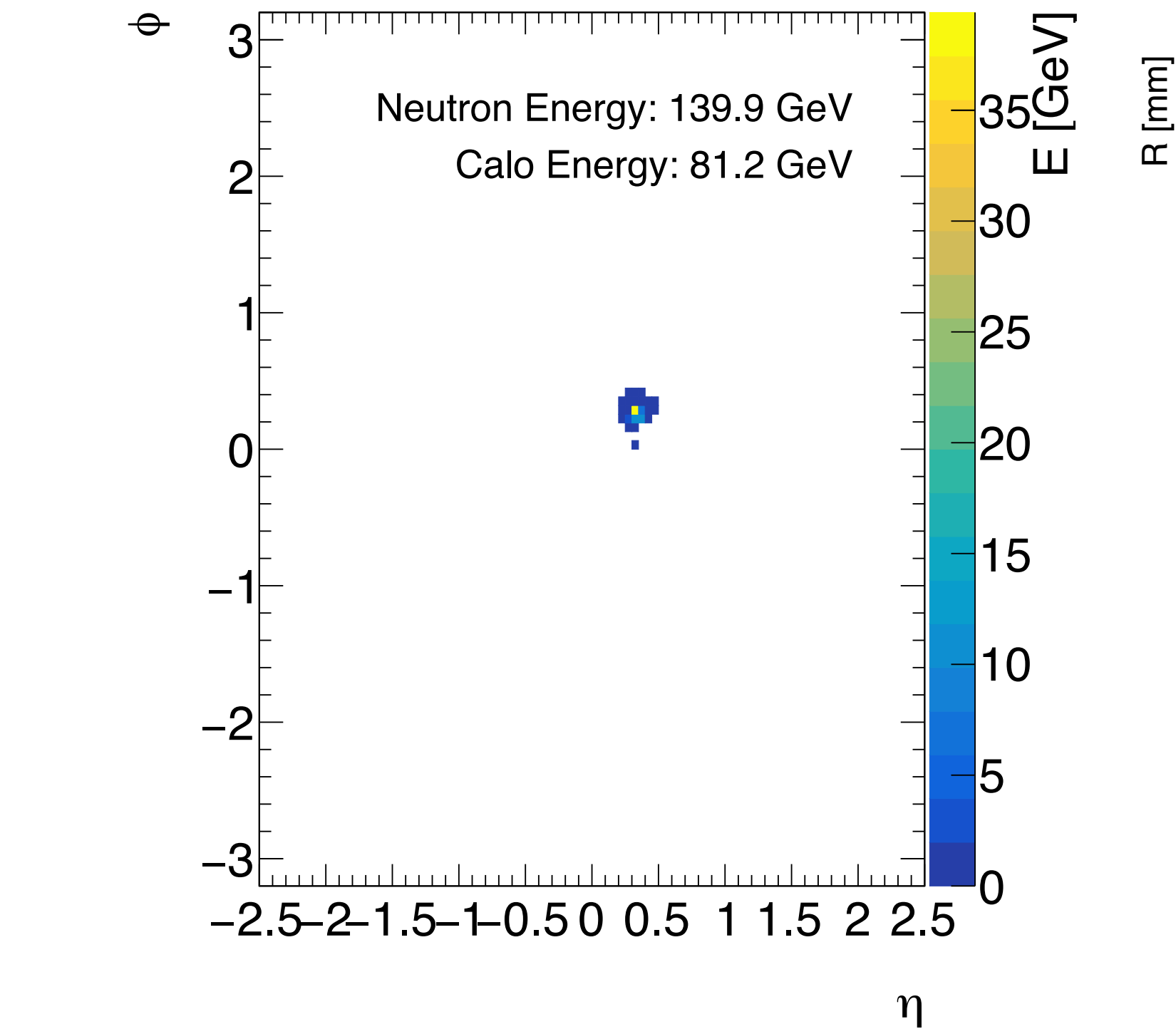
Closer look at neutrons



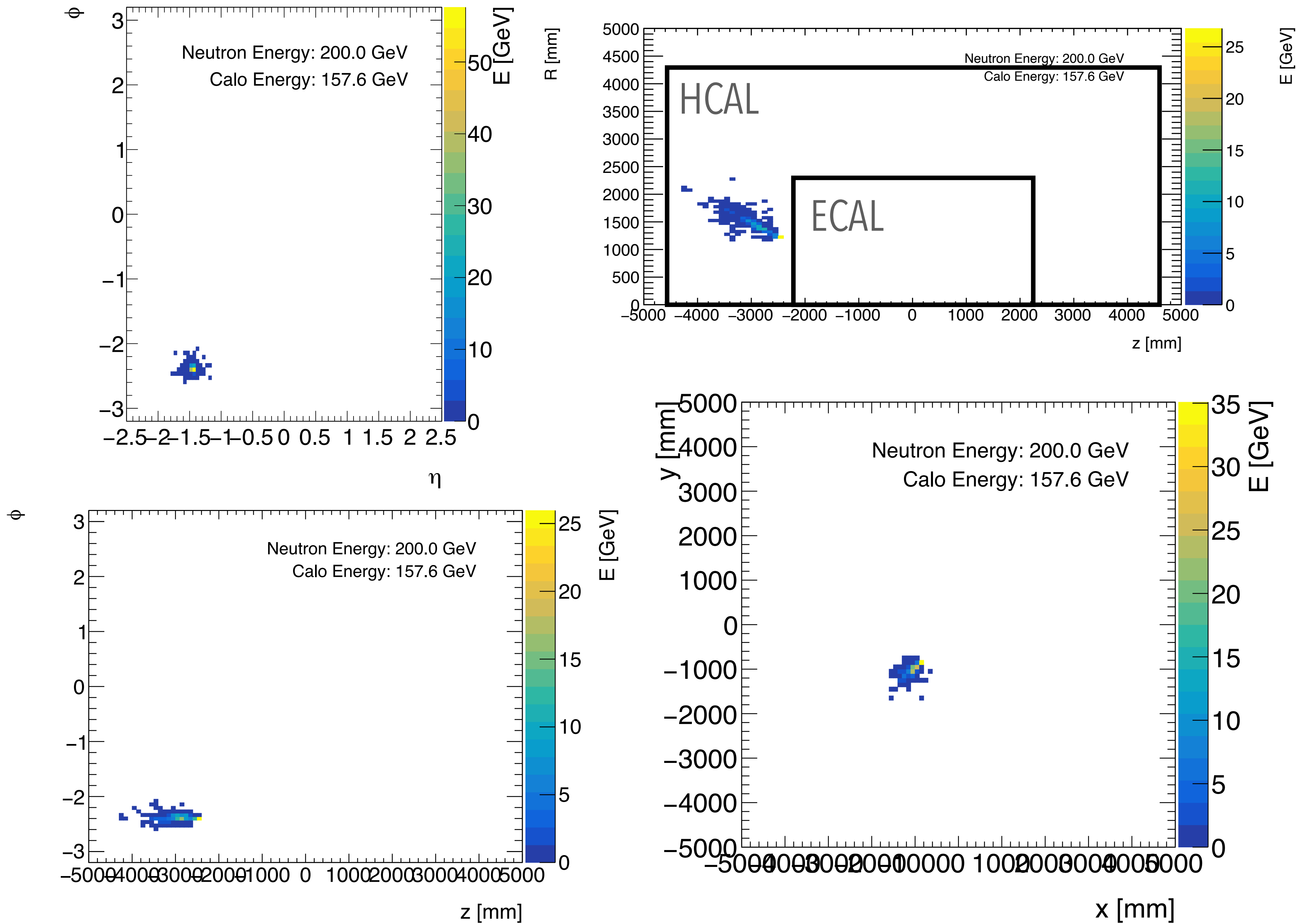
Closer look at neutrons

What happened to
the rest of the
energy?

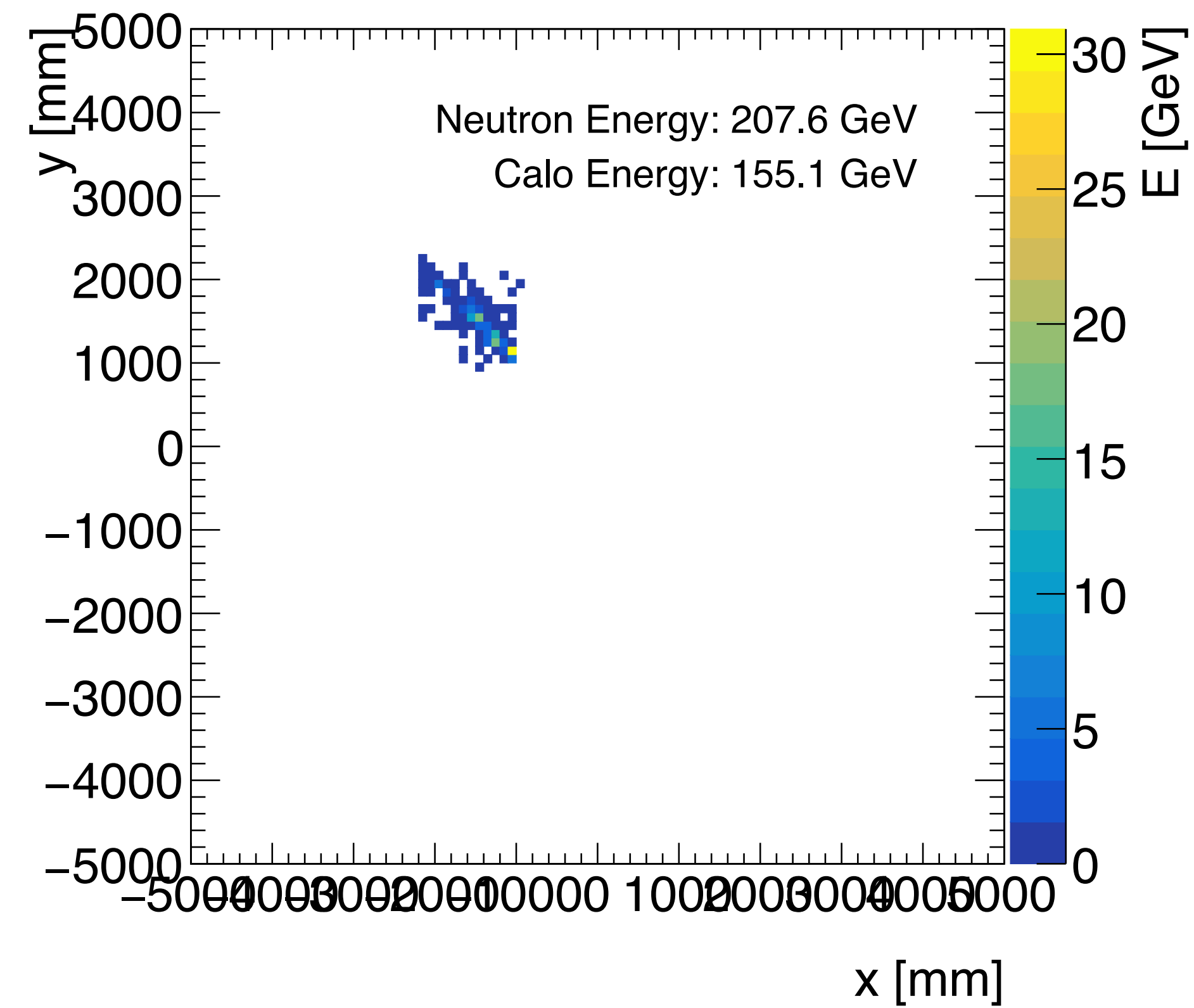
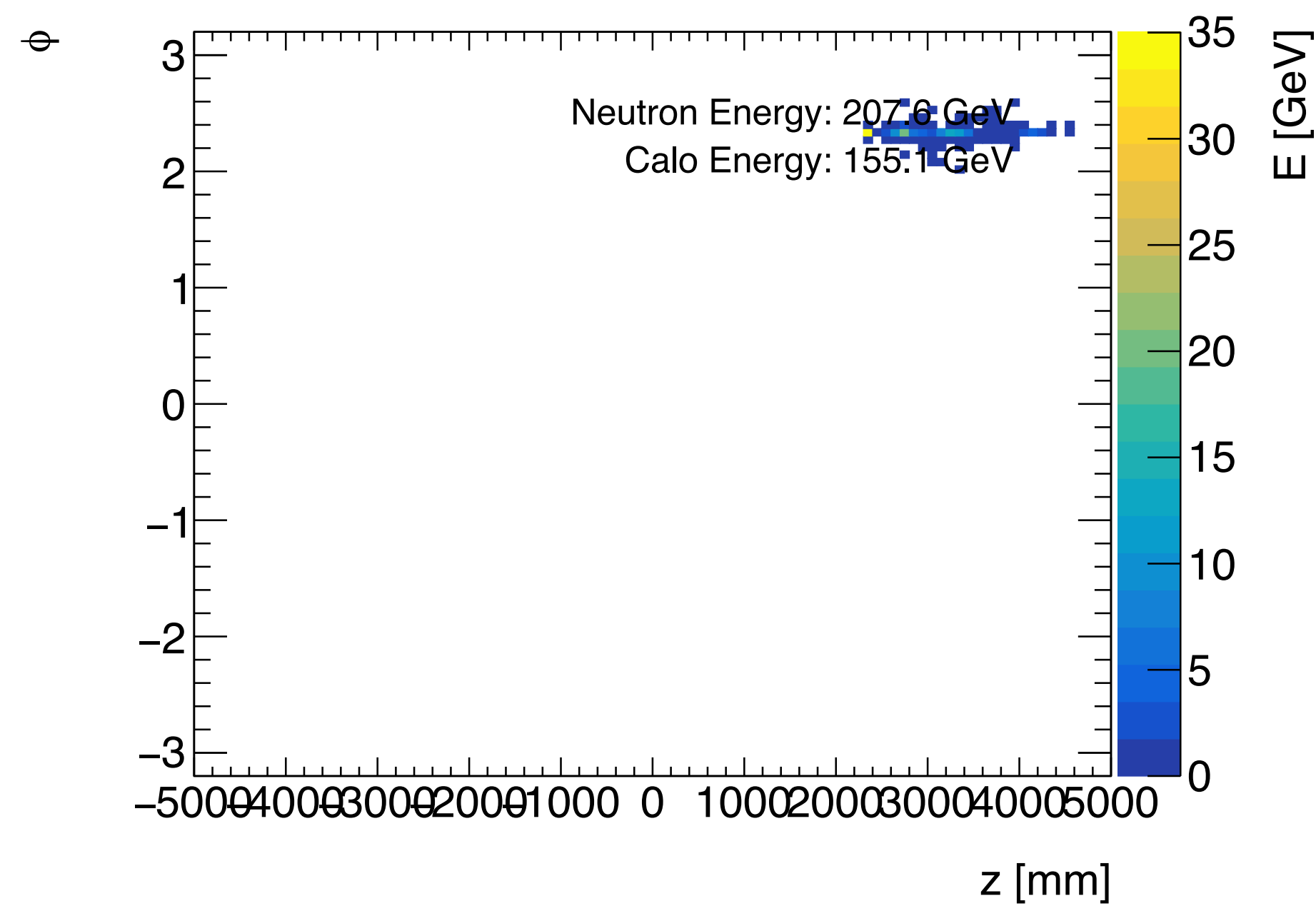
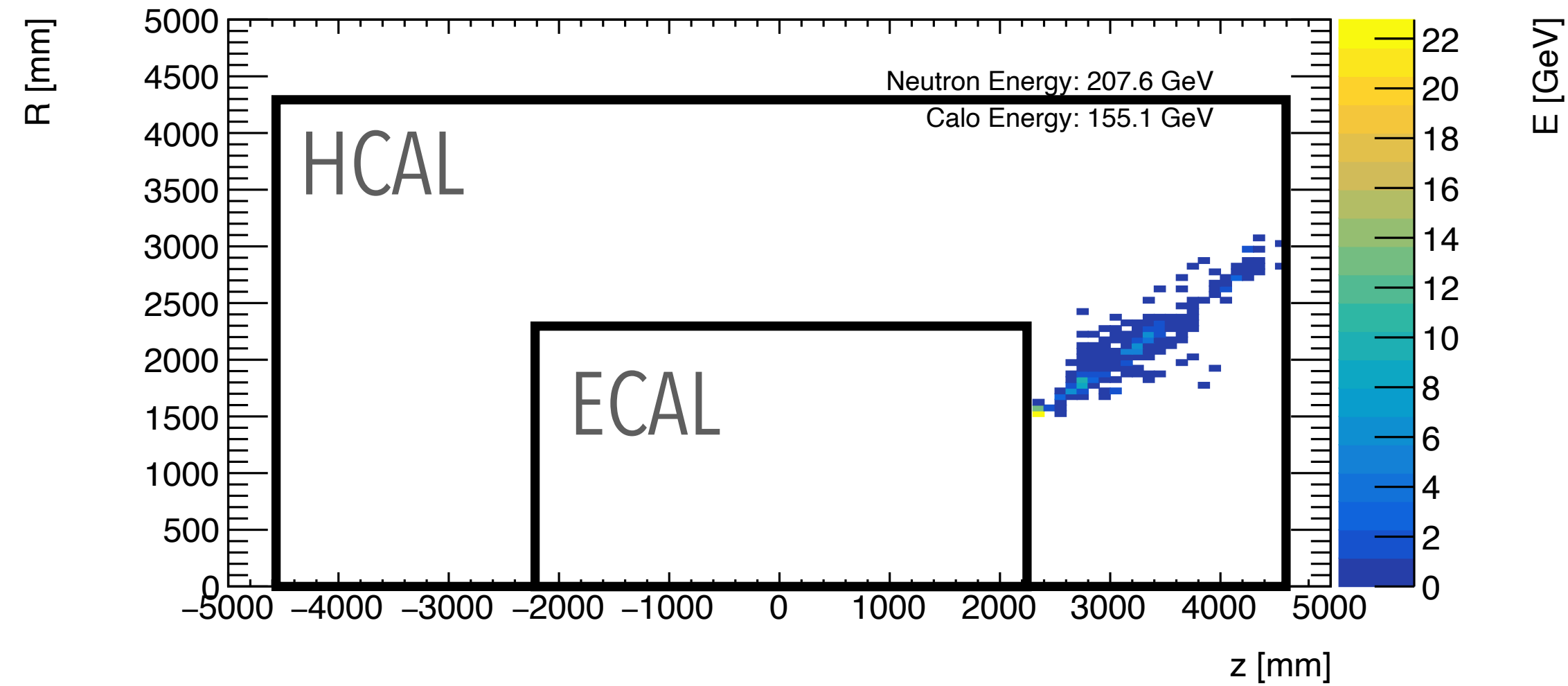
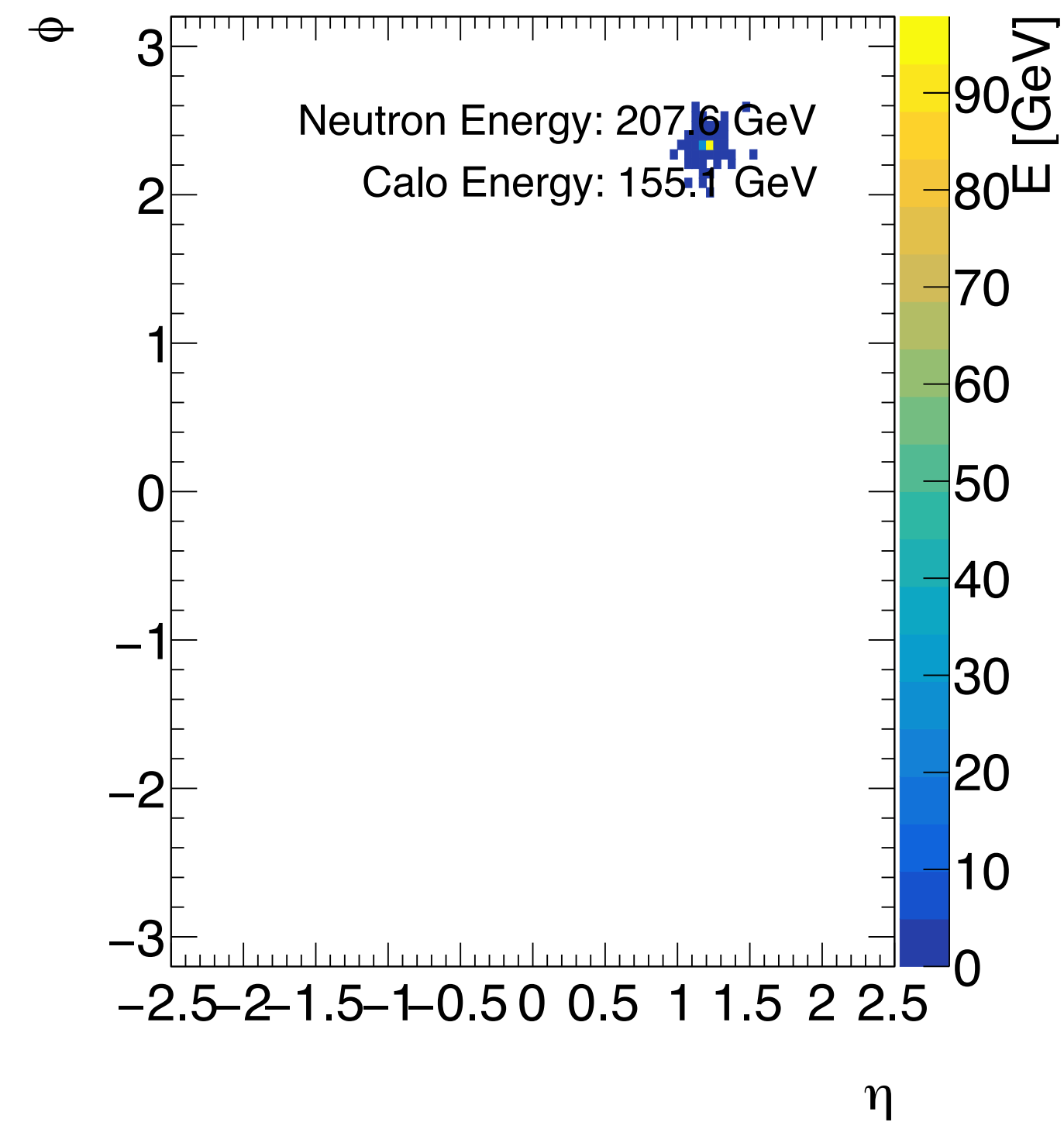
This is fully barrel.
See large deposits
in both ECAL and
HCAL.



Closer look at neutrons



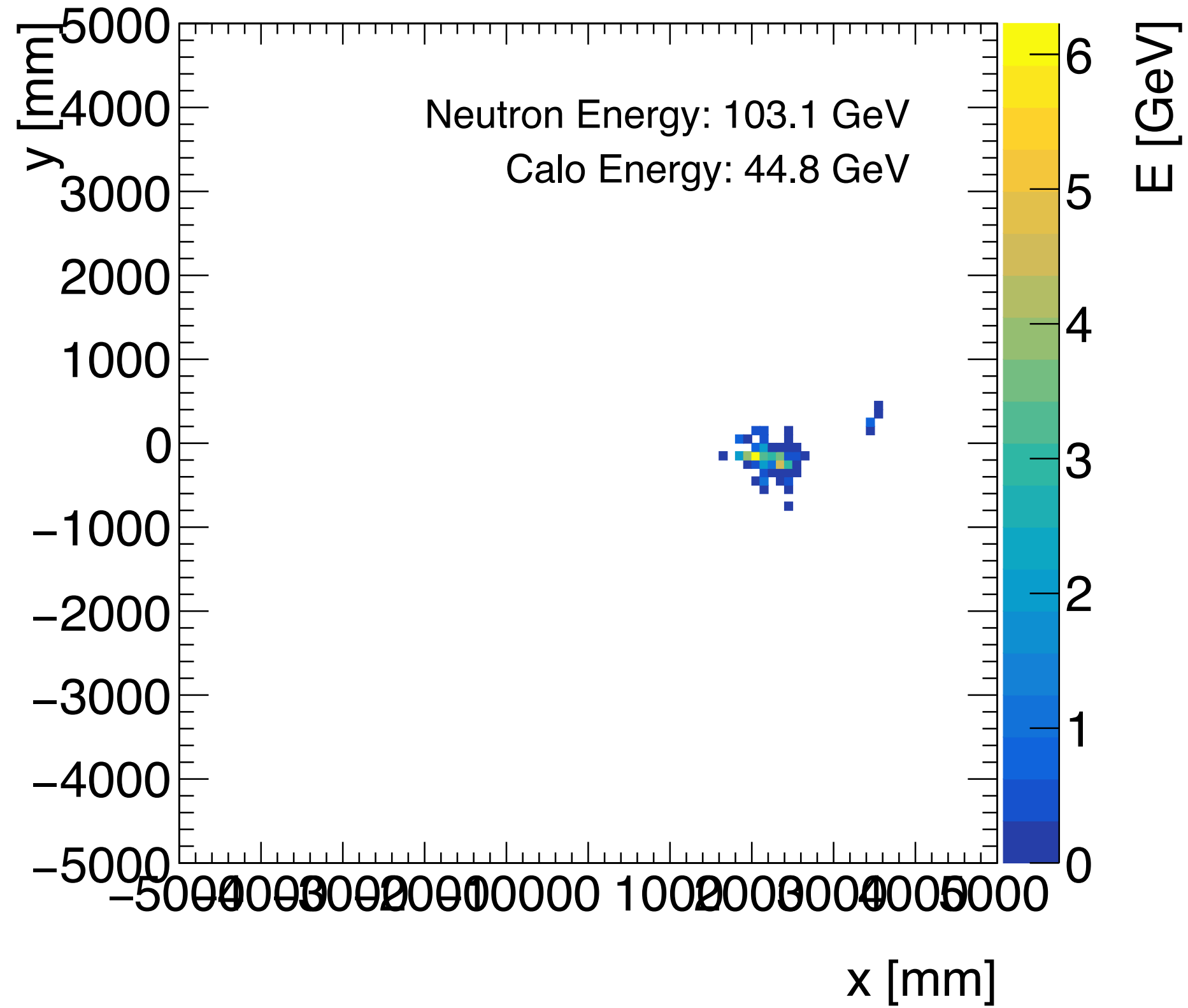
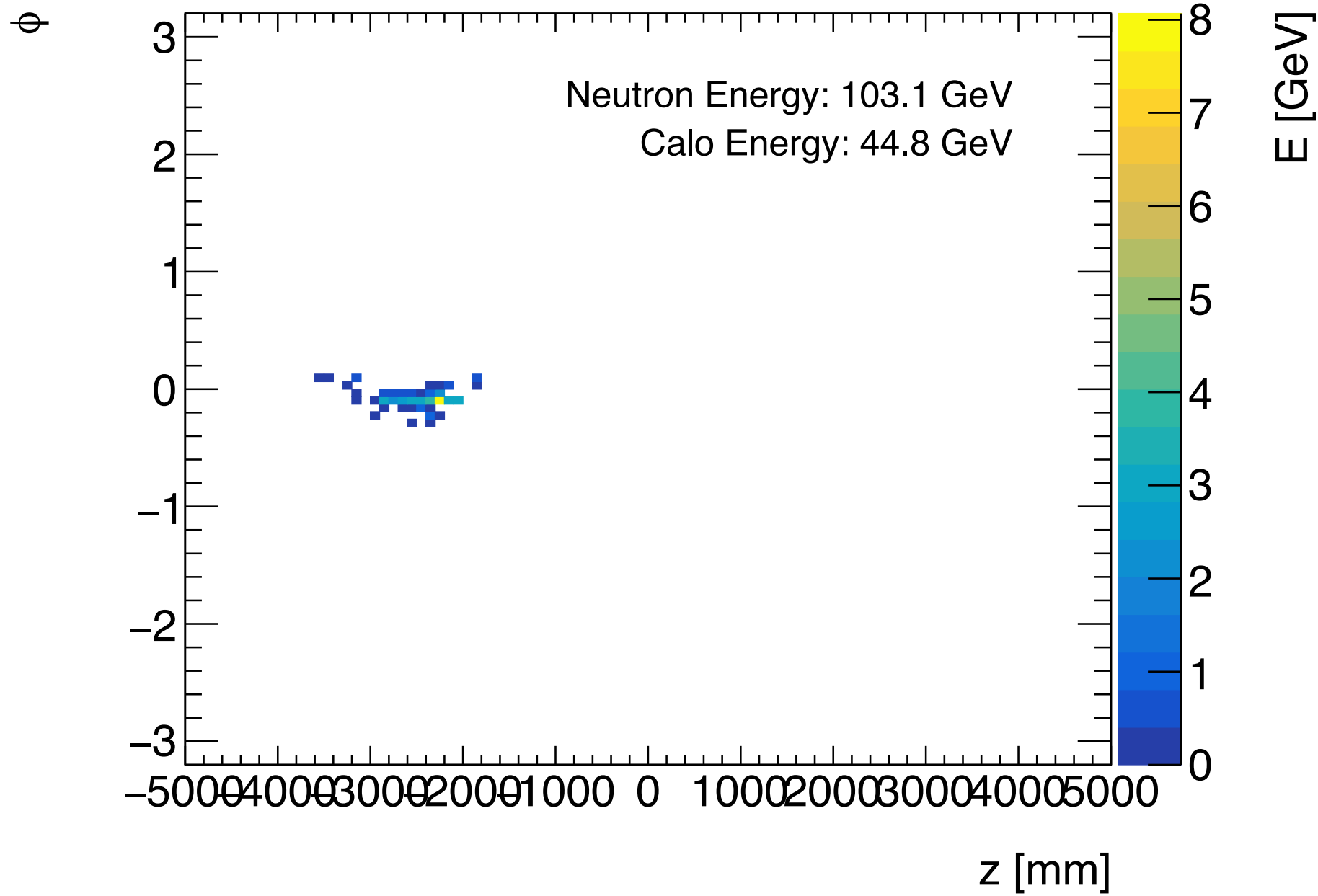
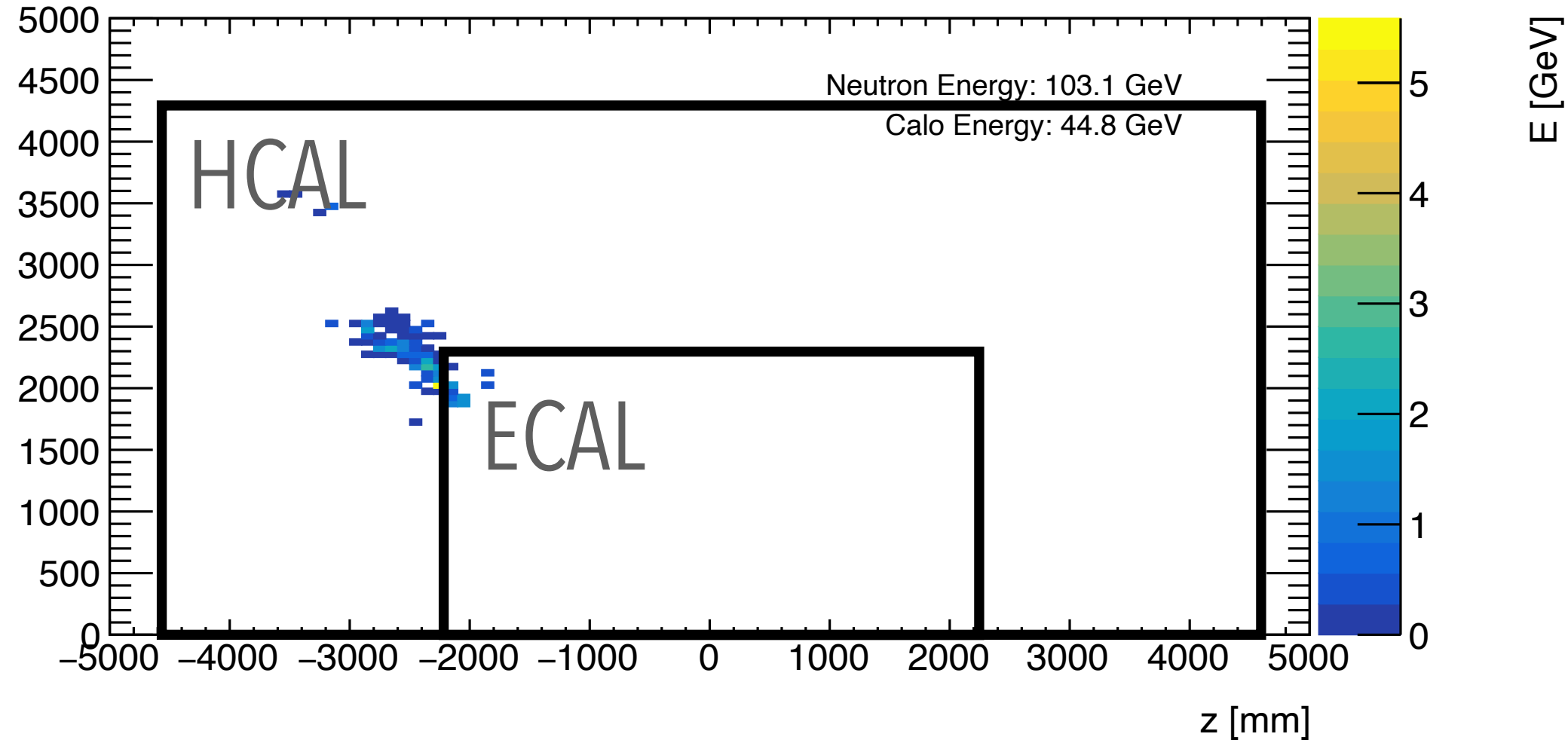
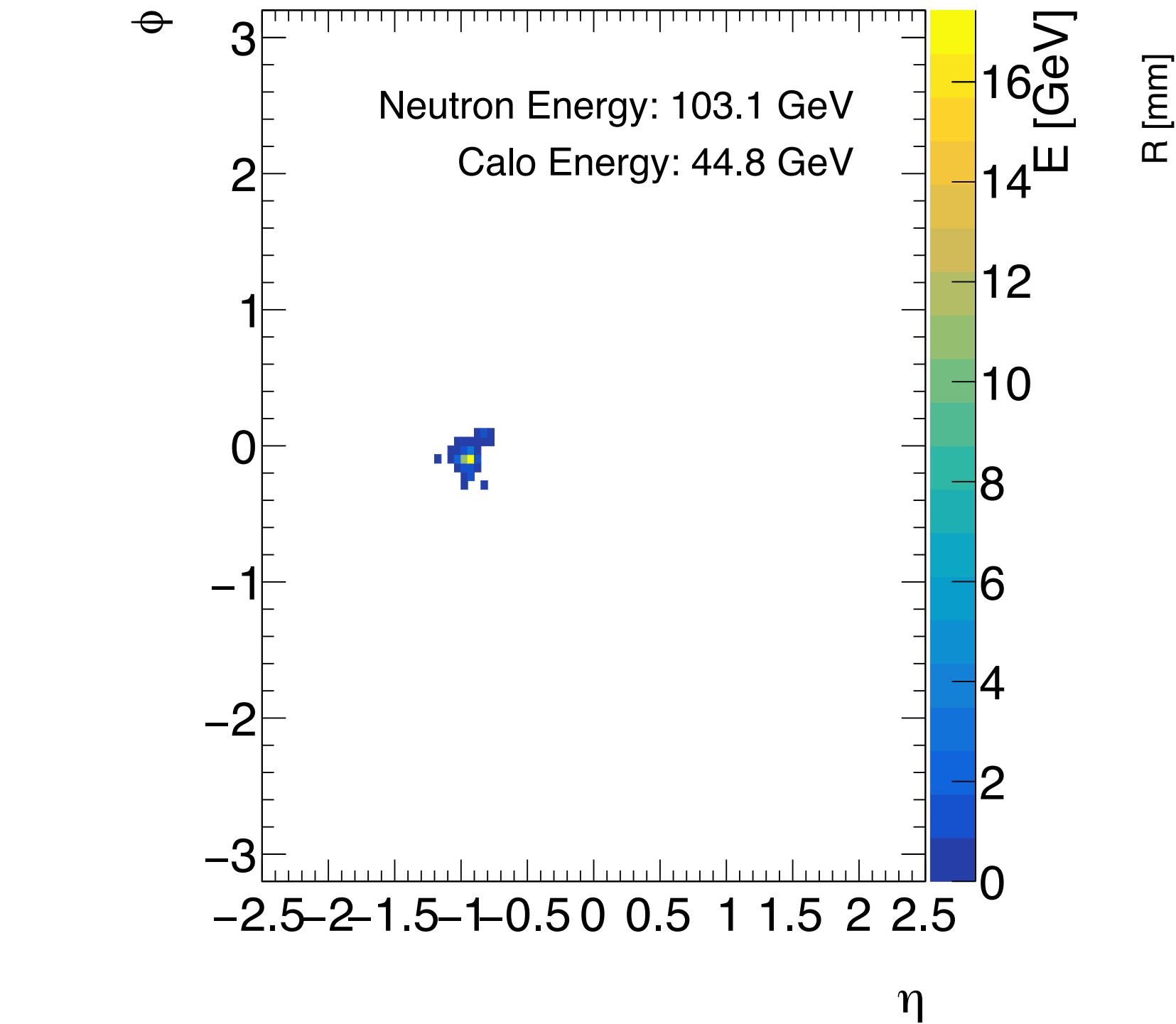
Closer look at neutrons



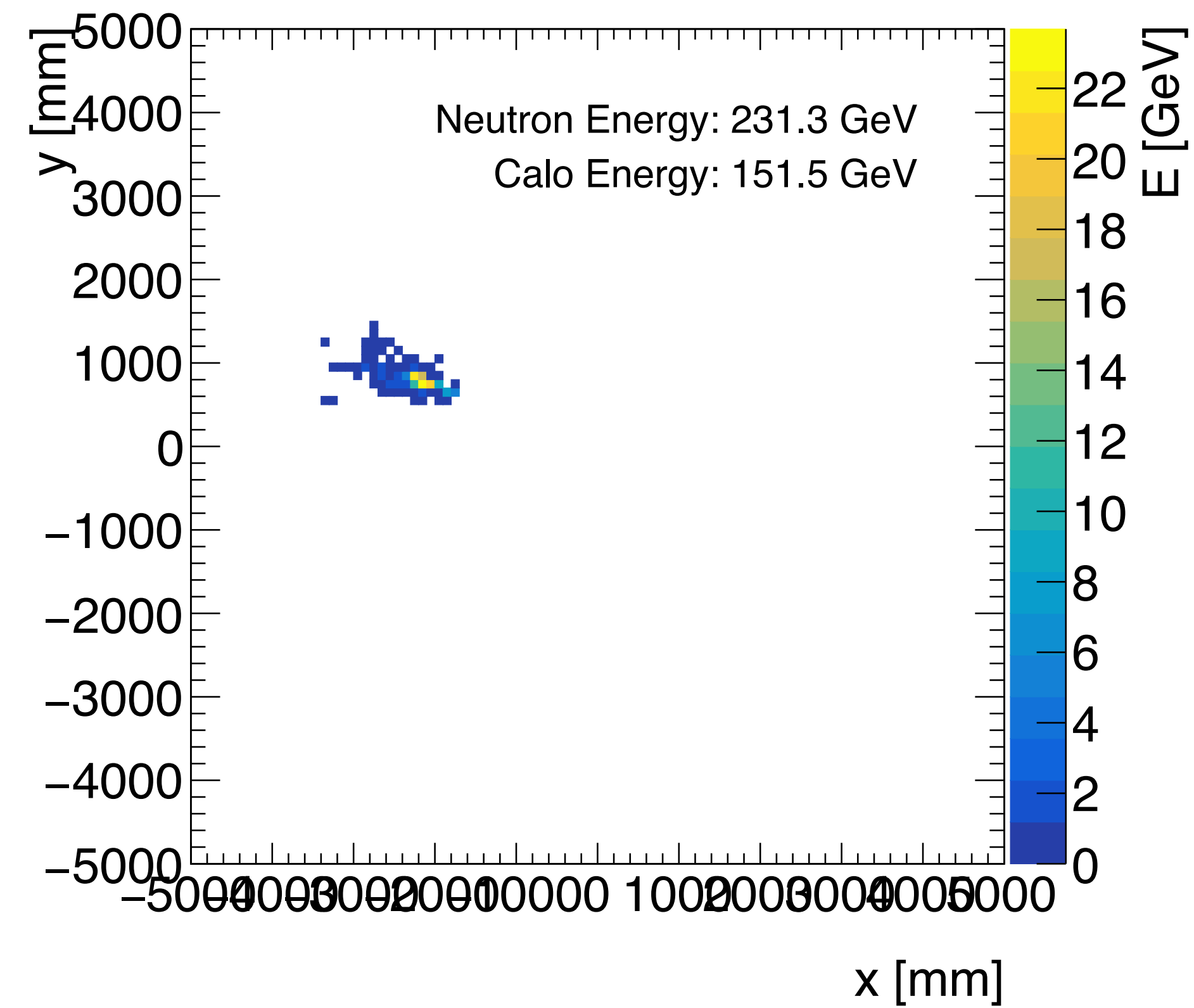
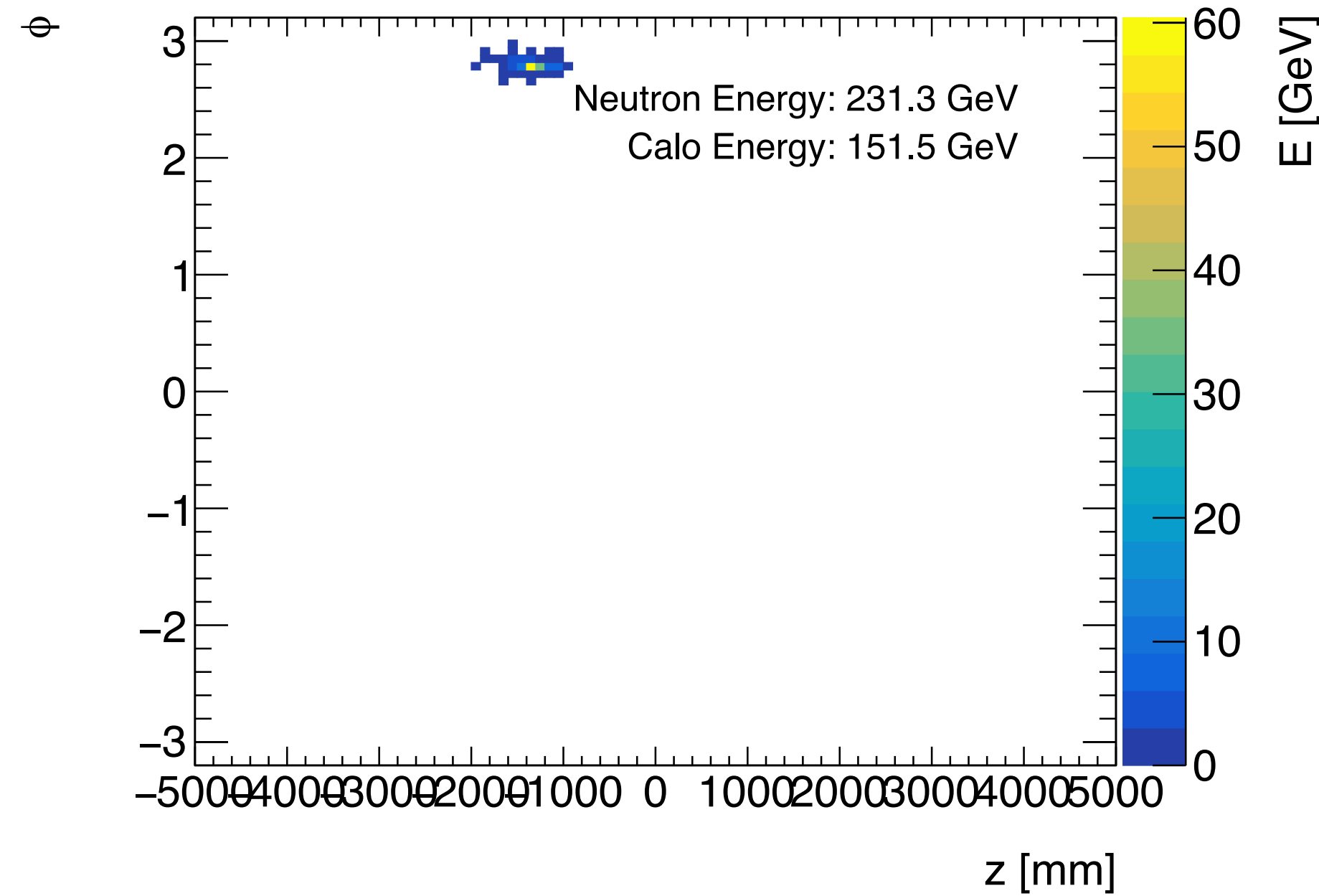
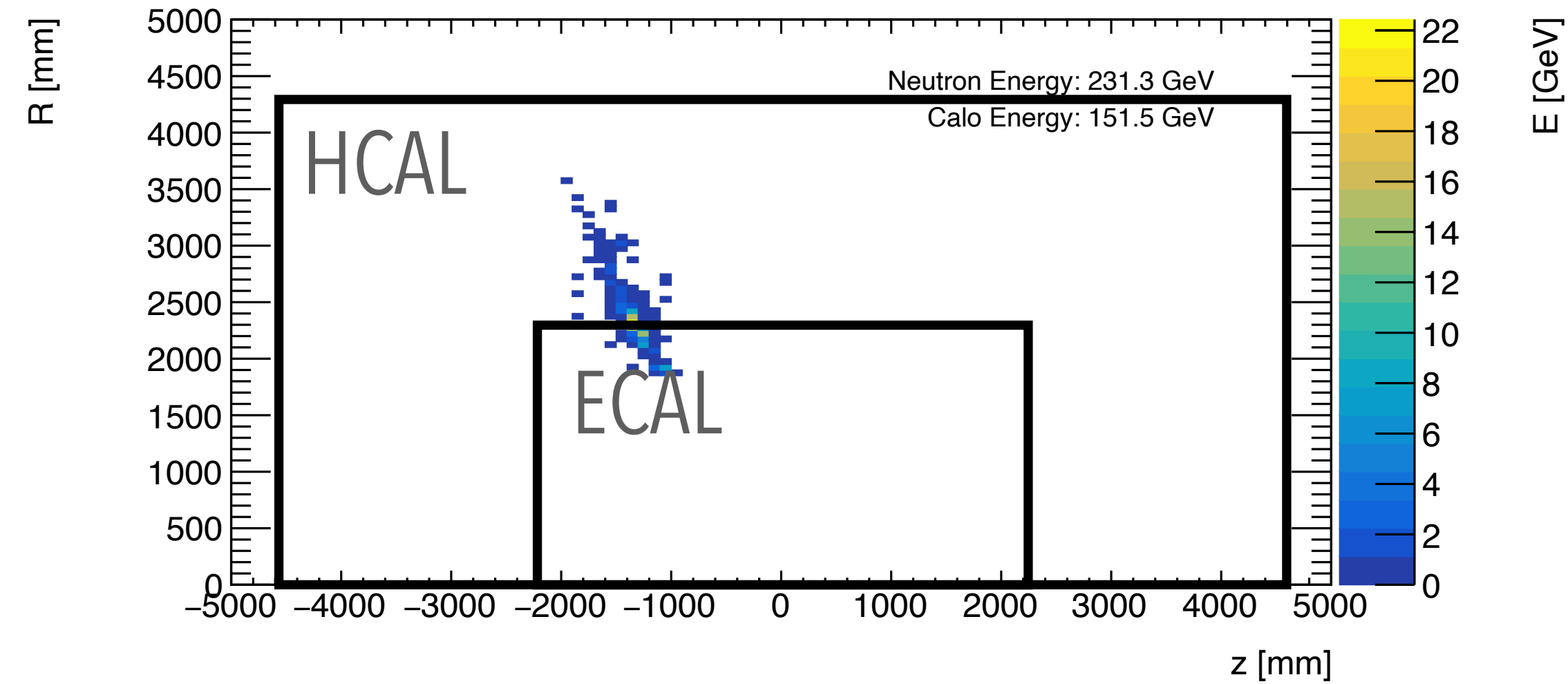
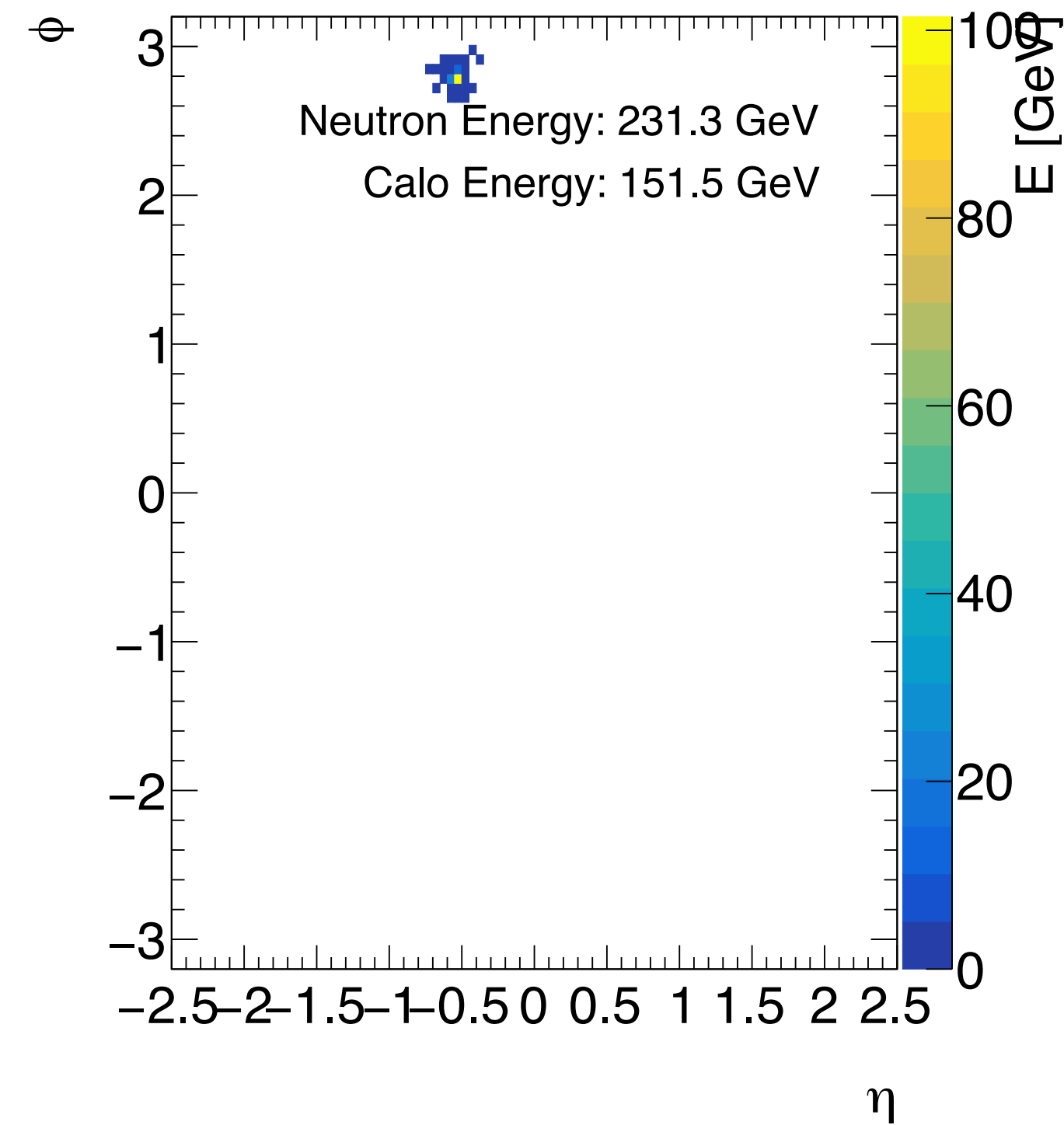
Closer look at neutrons

What happened to
the rest of the
energy?

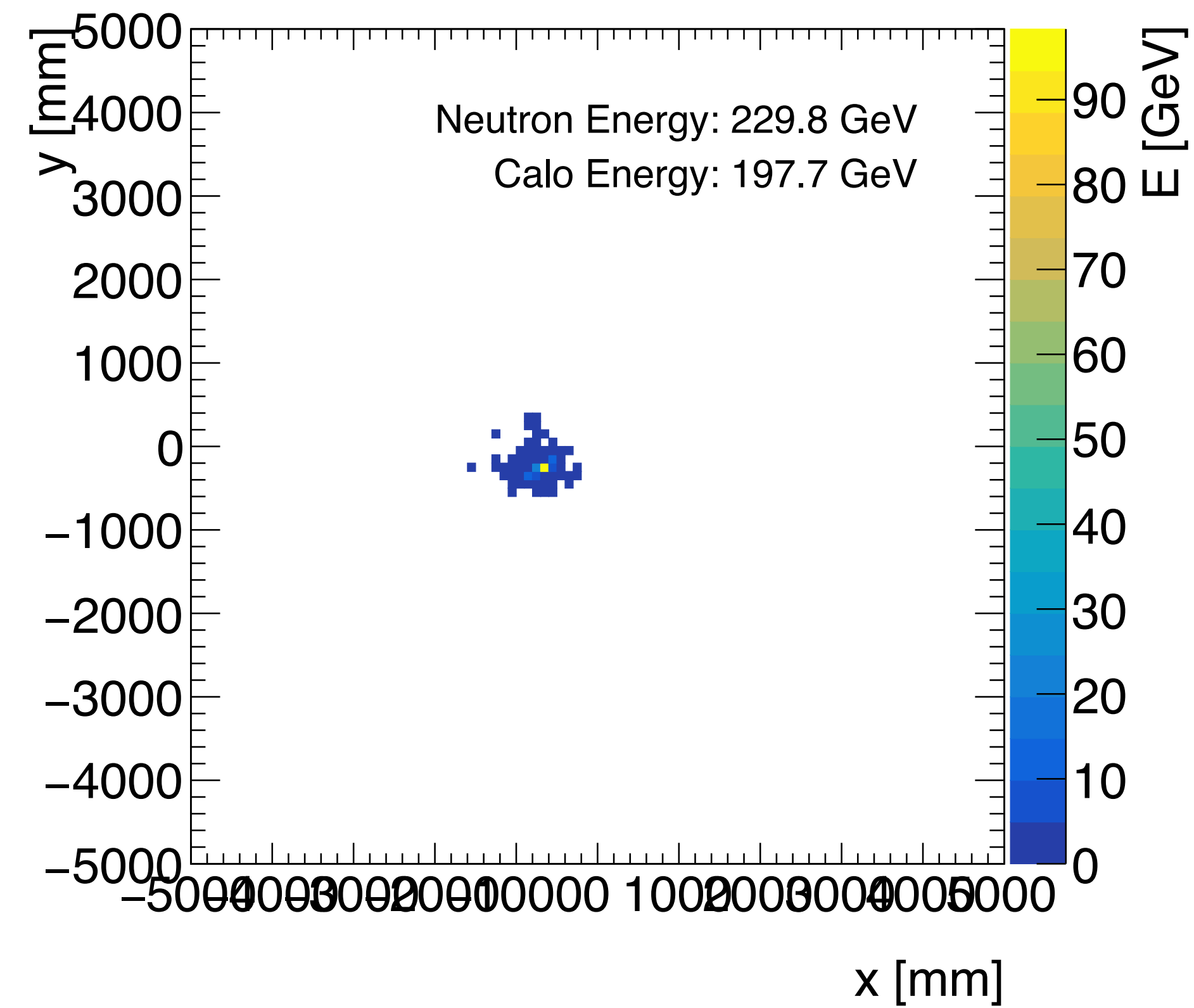
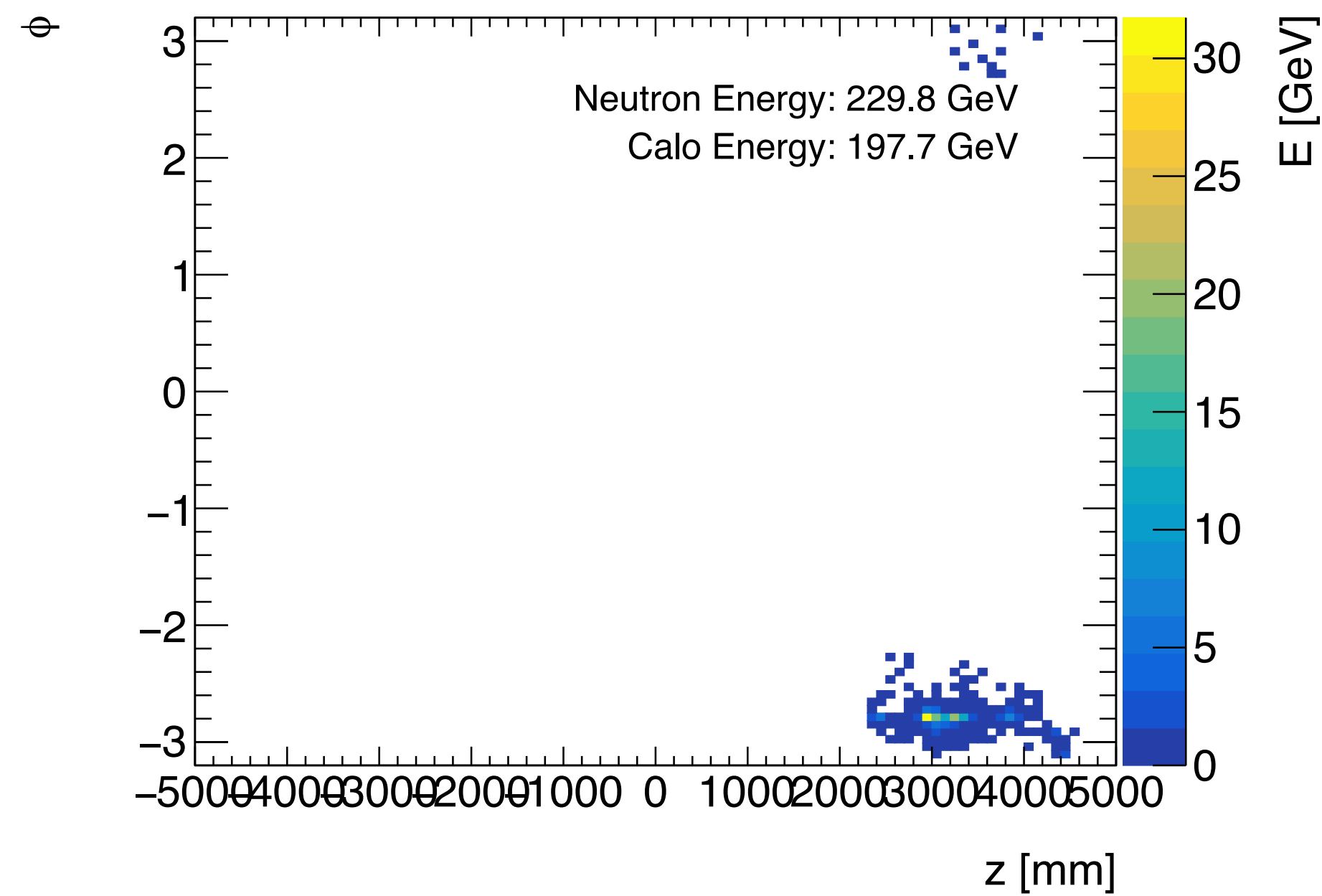
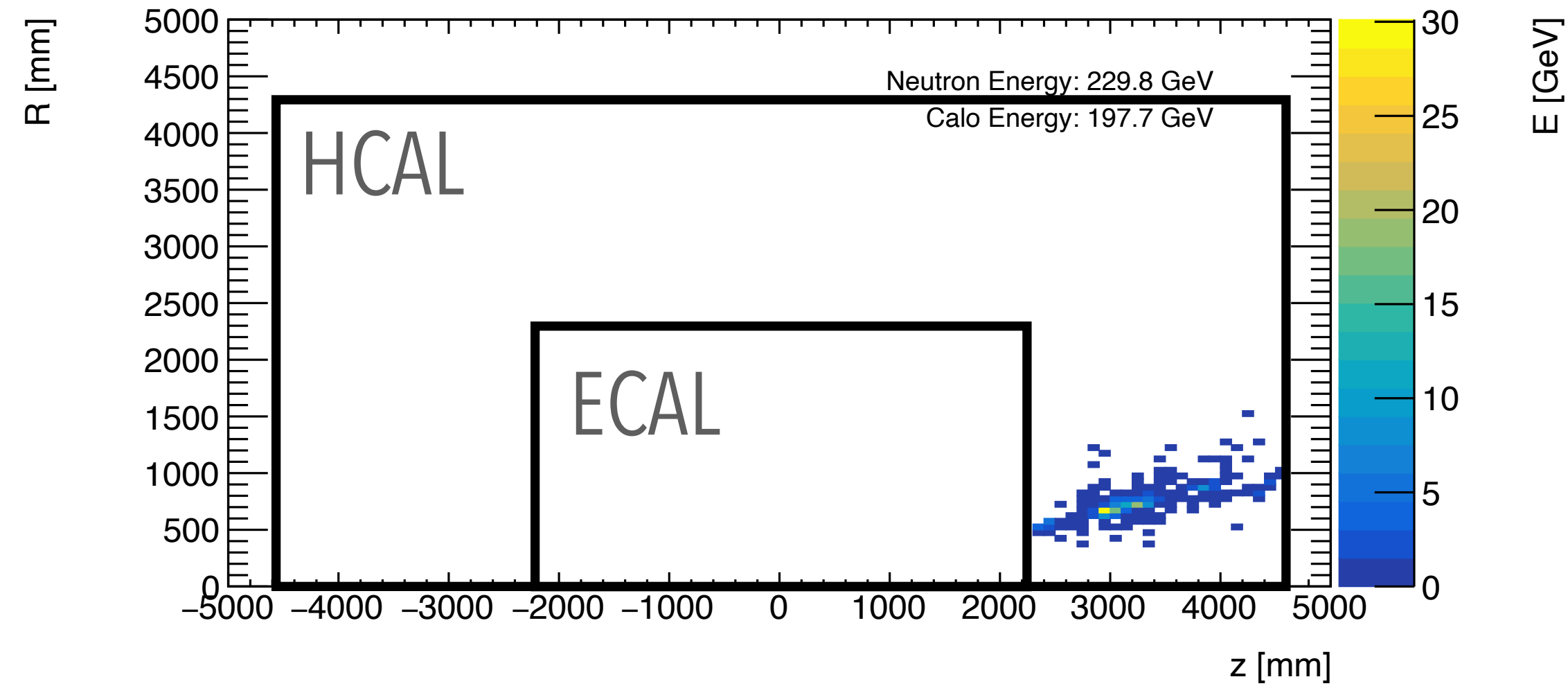
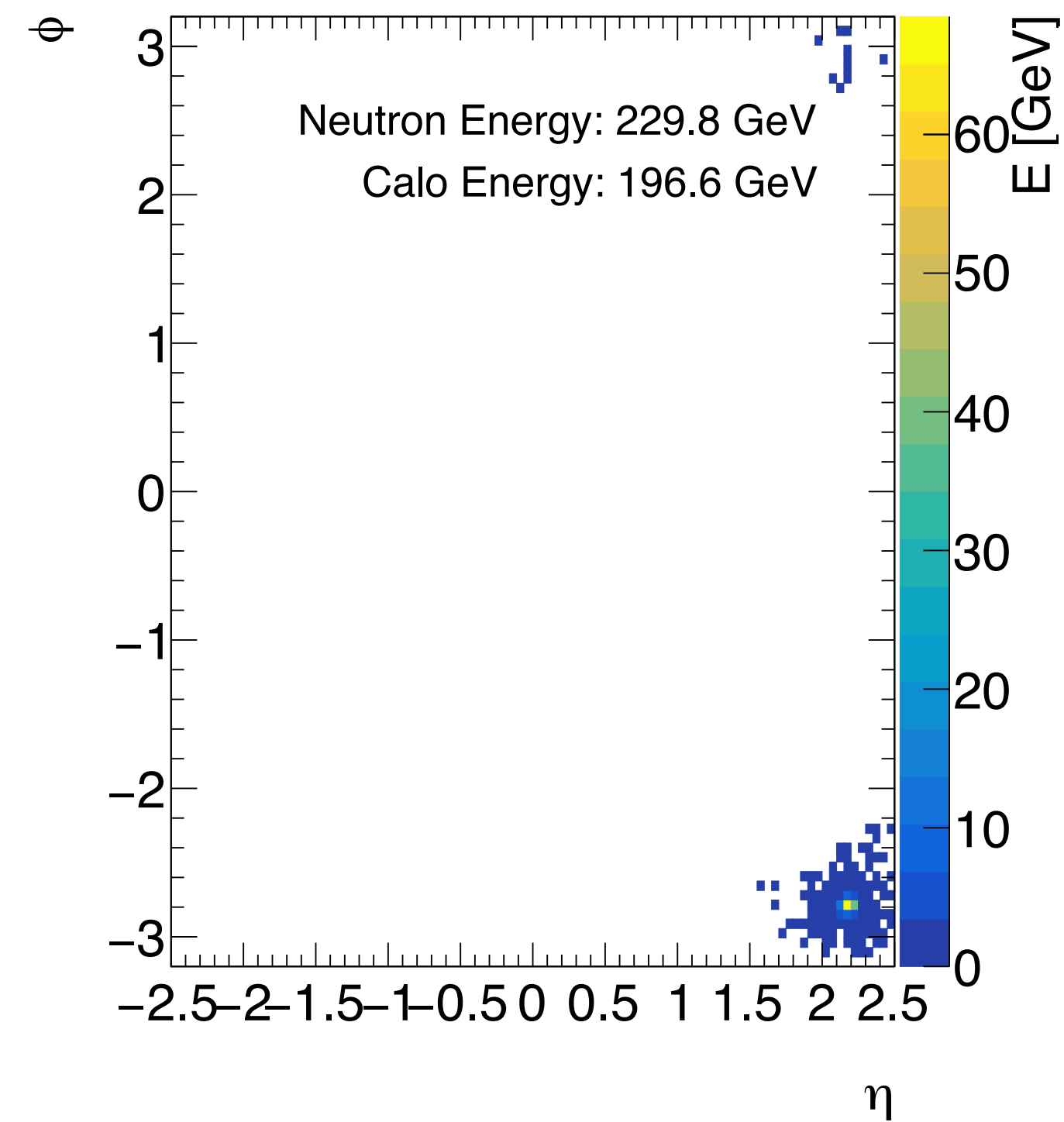
Are we applying the
wrong sampling
fraction in the
ECAL?



Closer look at neutrons



Closer look at neutrons



Closer look at neutrons

