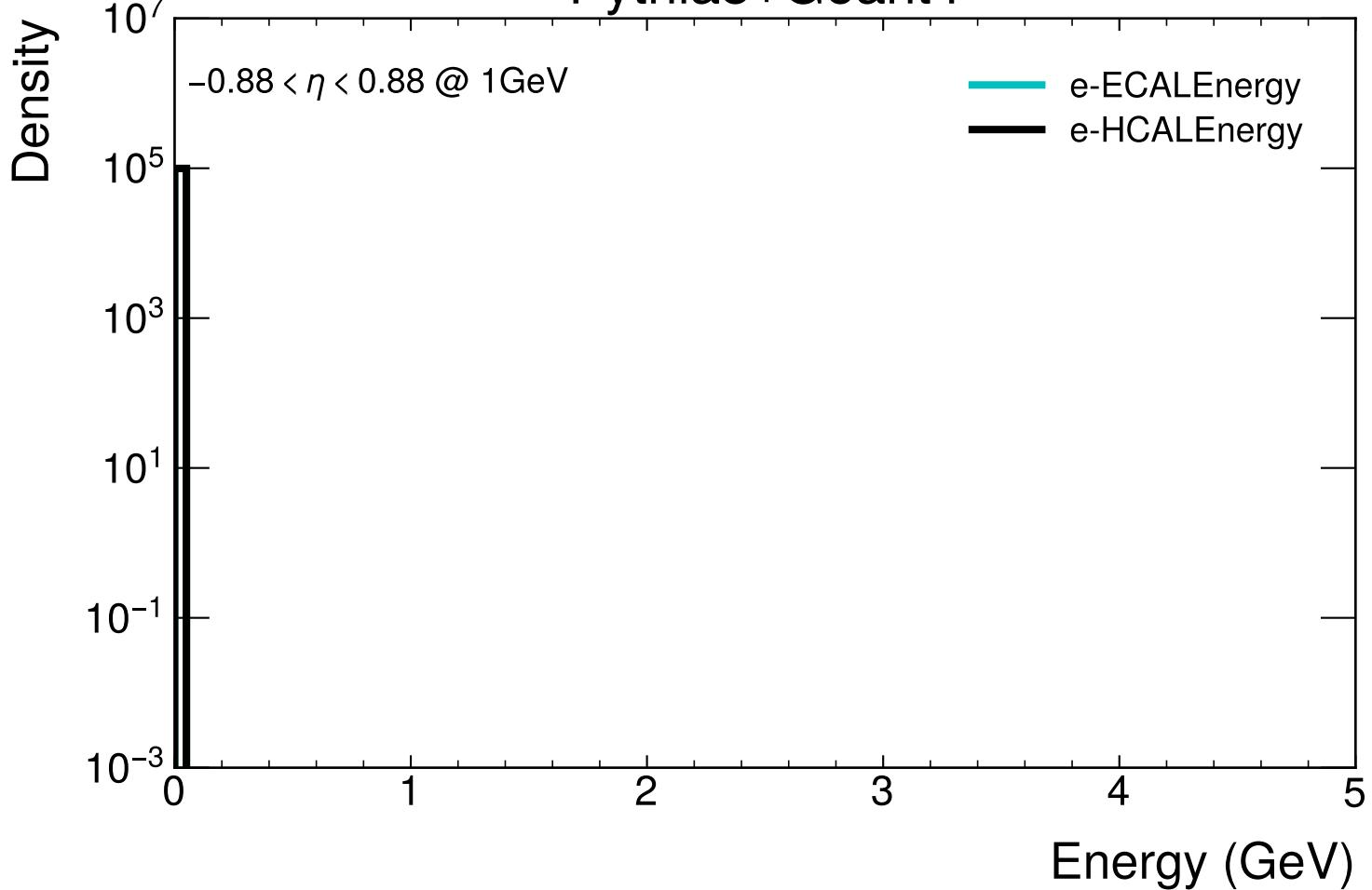


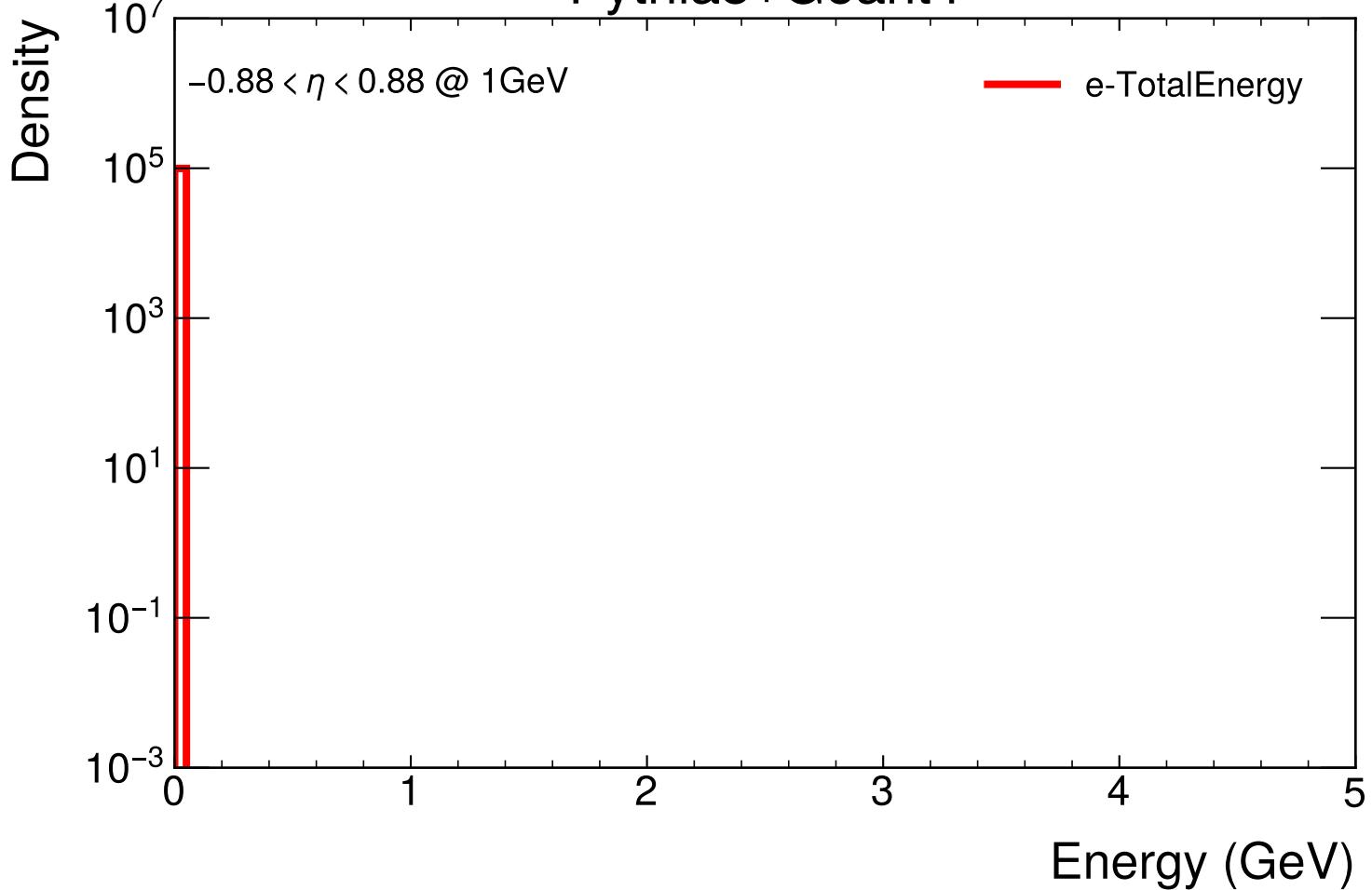
ATHENA simulation [DD4hep]

Pythia8+Geant4



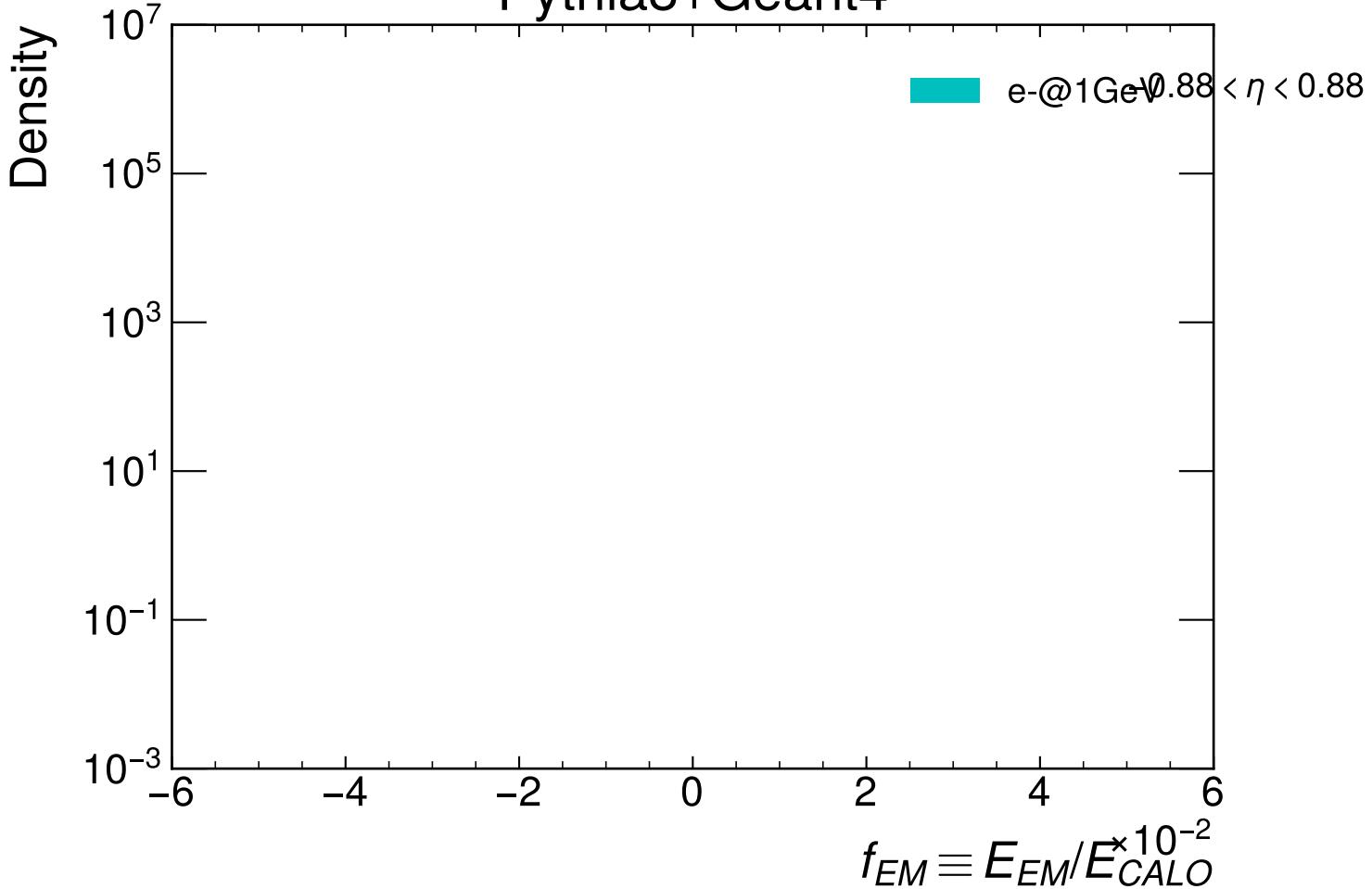
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Pythia8+Geant4

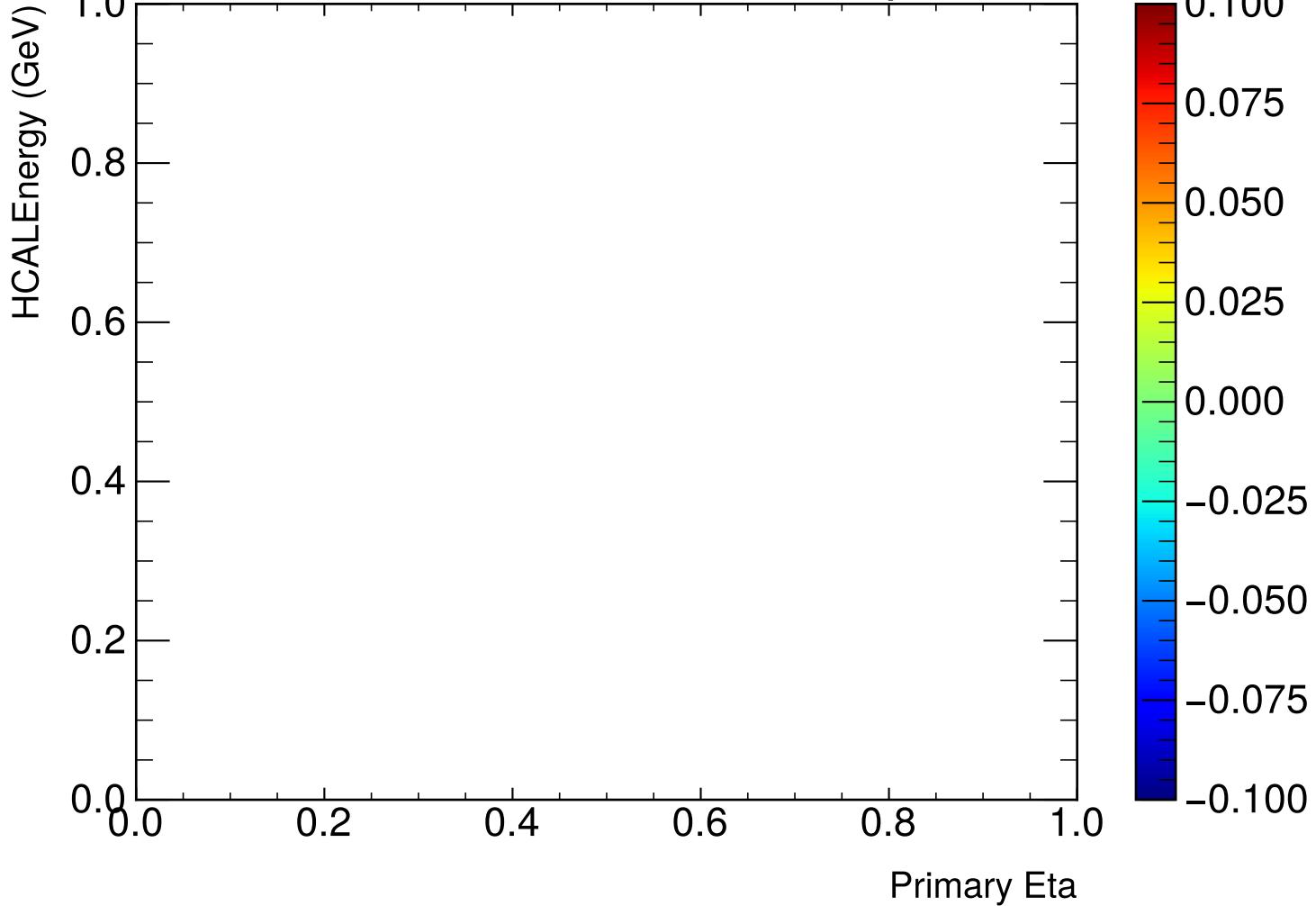


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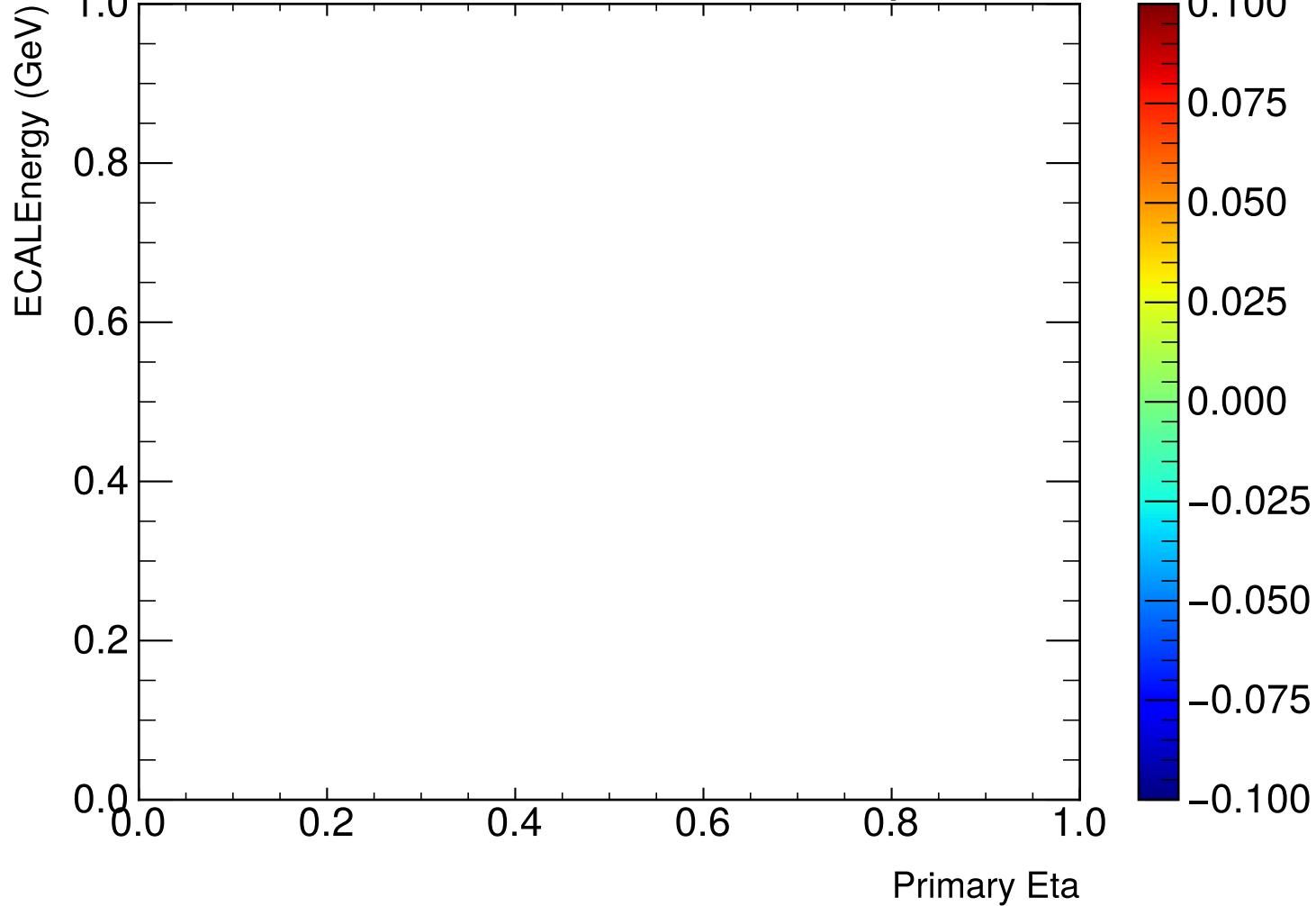
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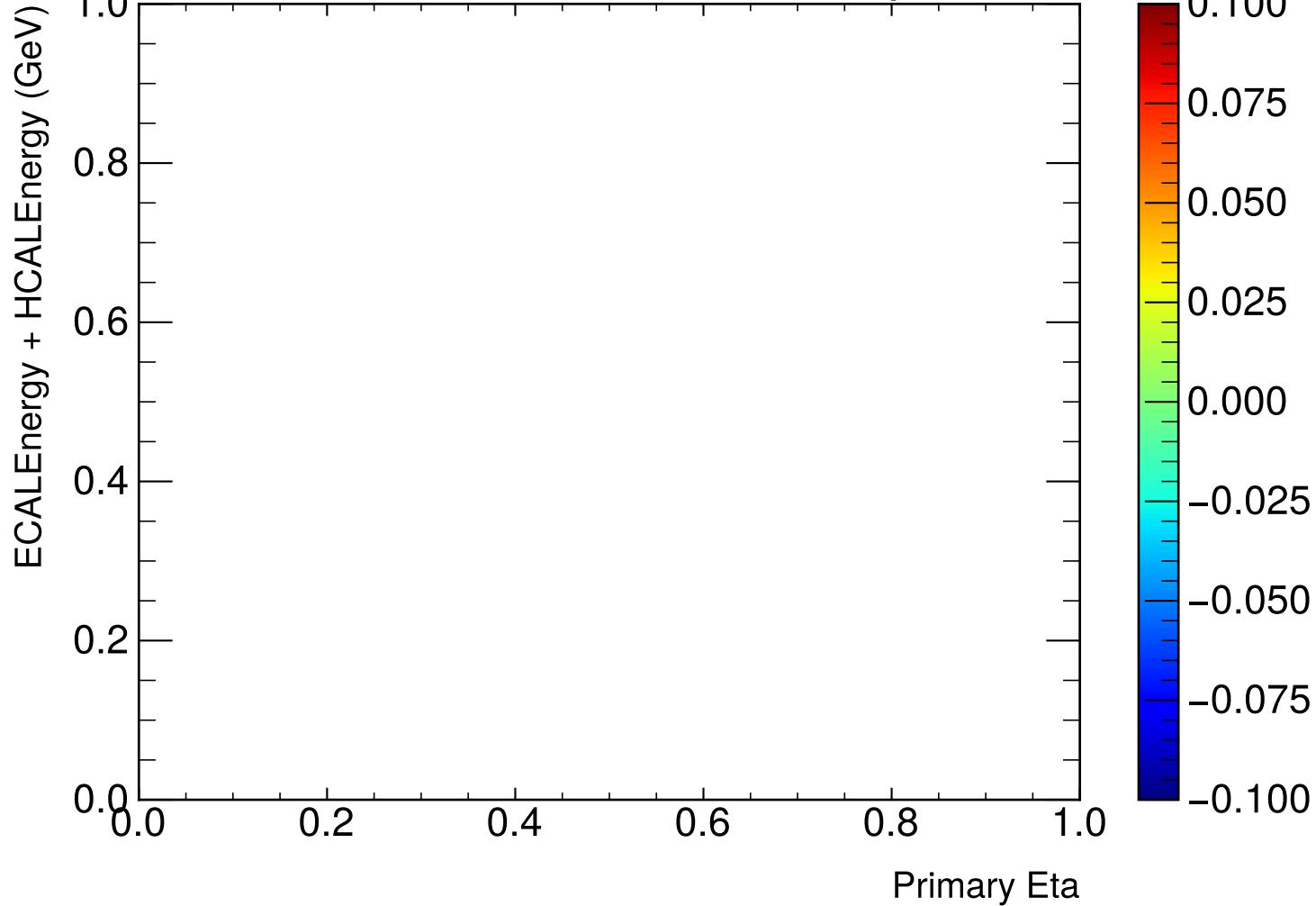
e-@1GeV spanning $-0.88 < \eta < 0.88$



e^- @1GeV spanning $-0.88 < \eta < 0.88$

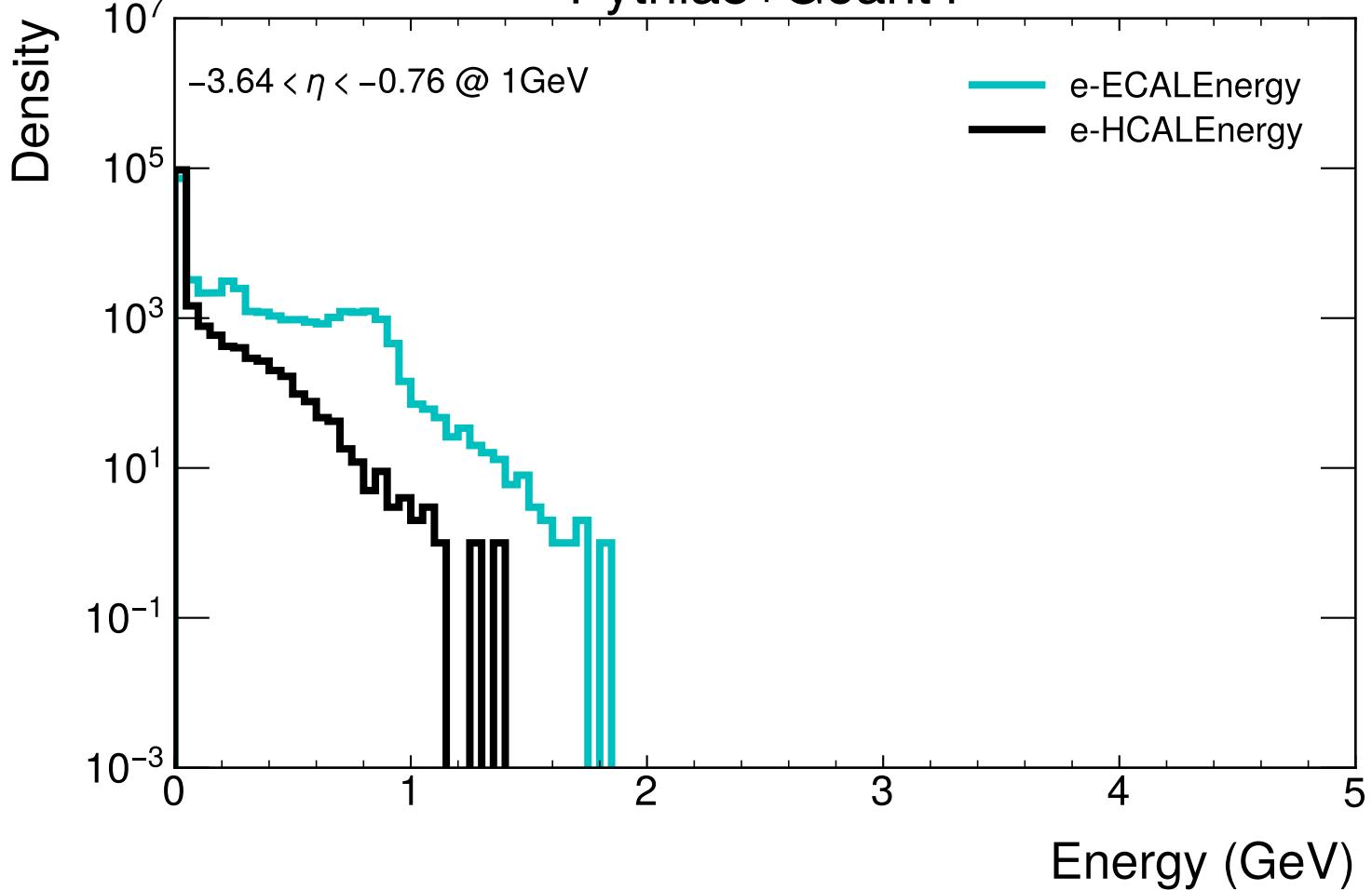


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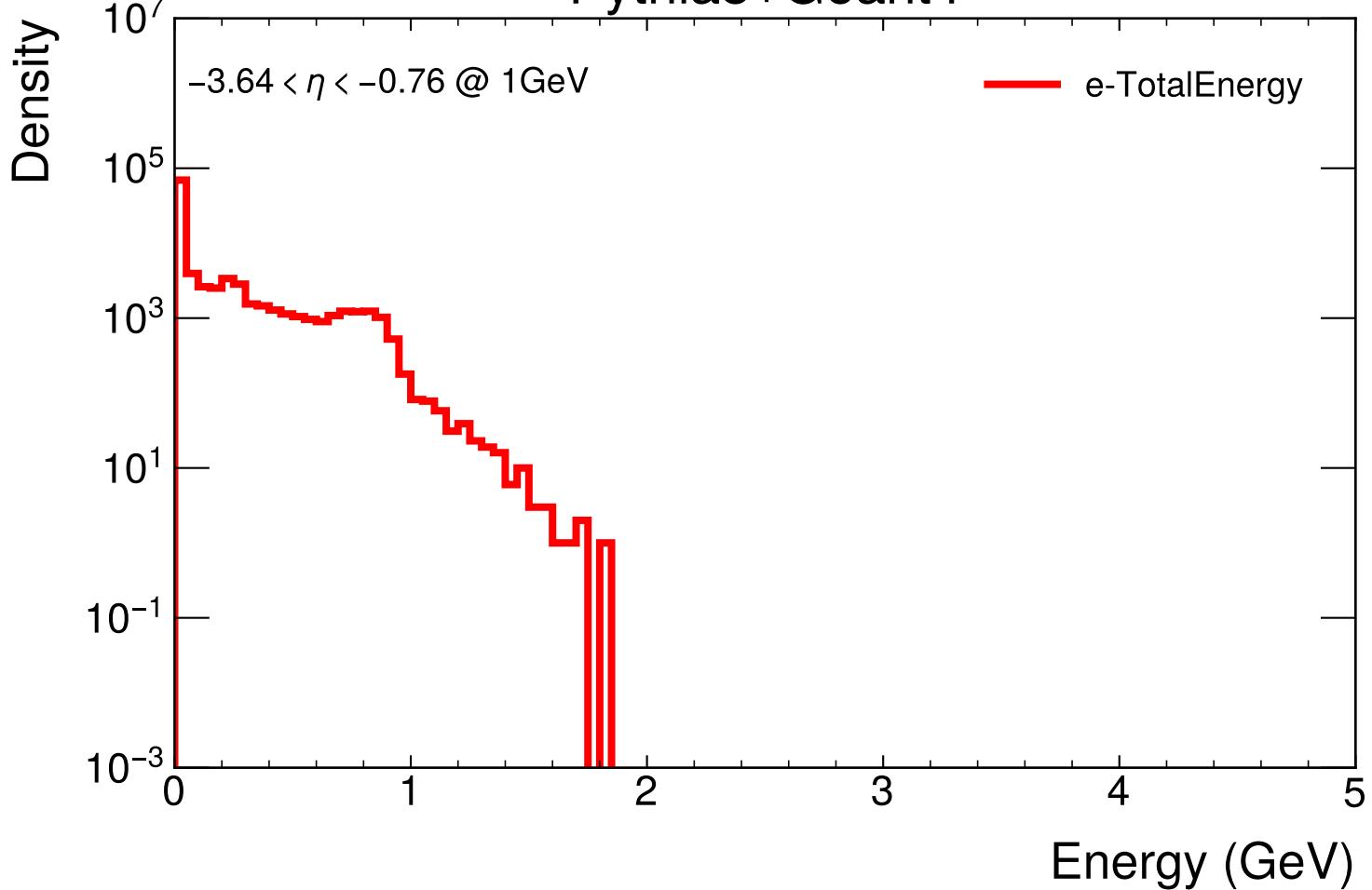
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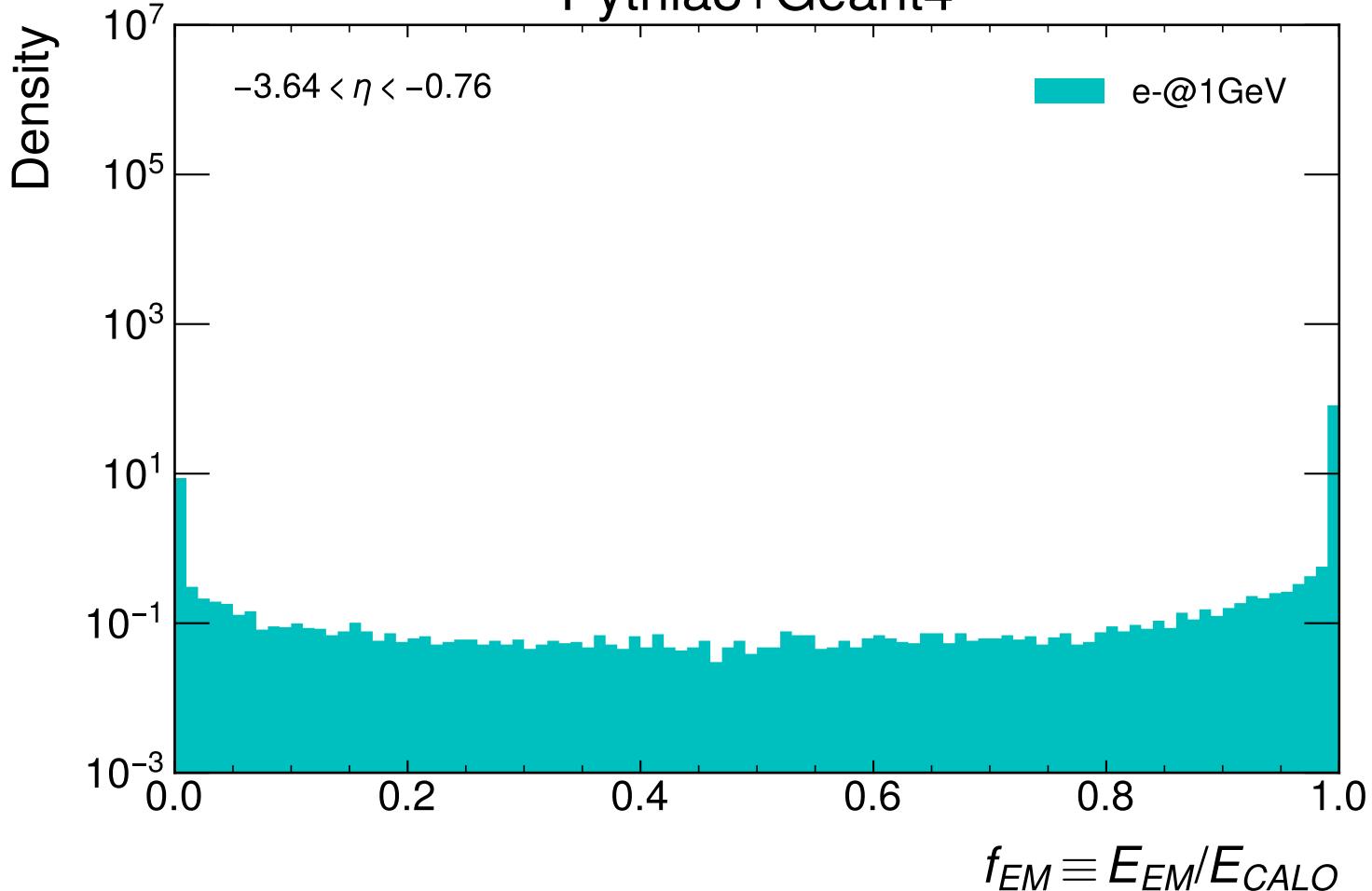


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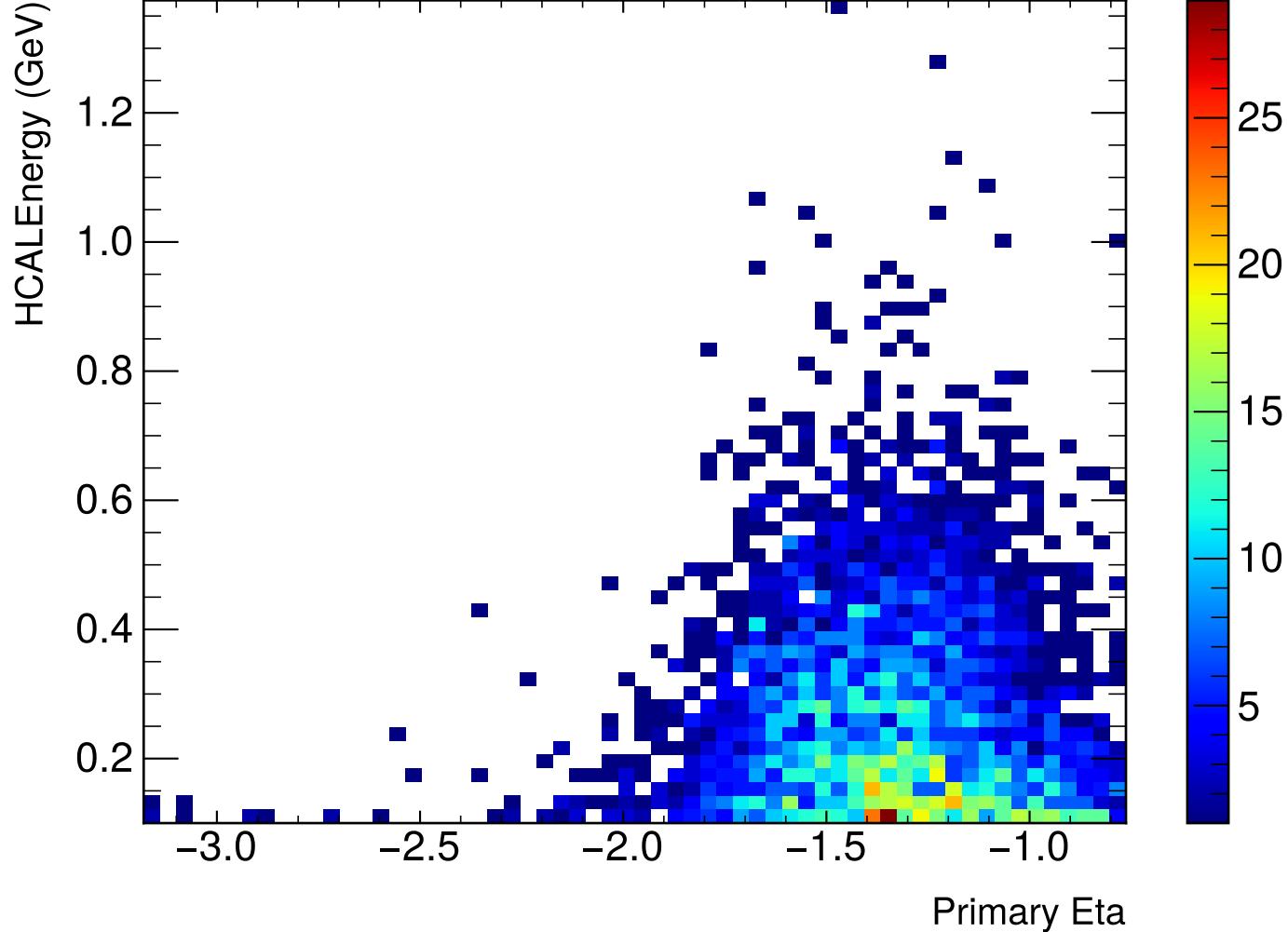
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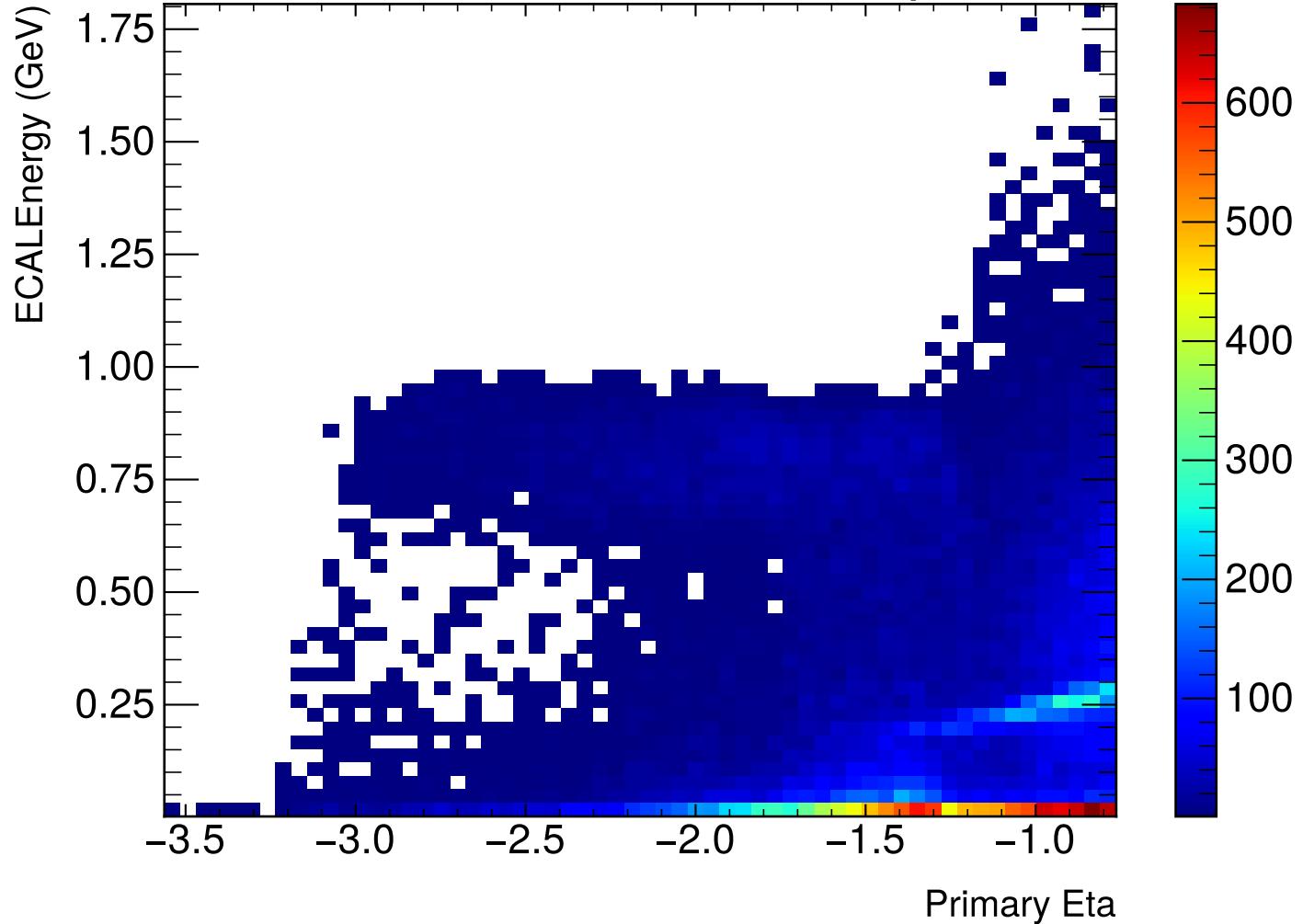
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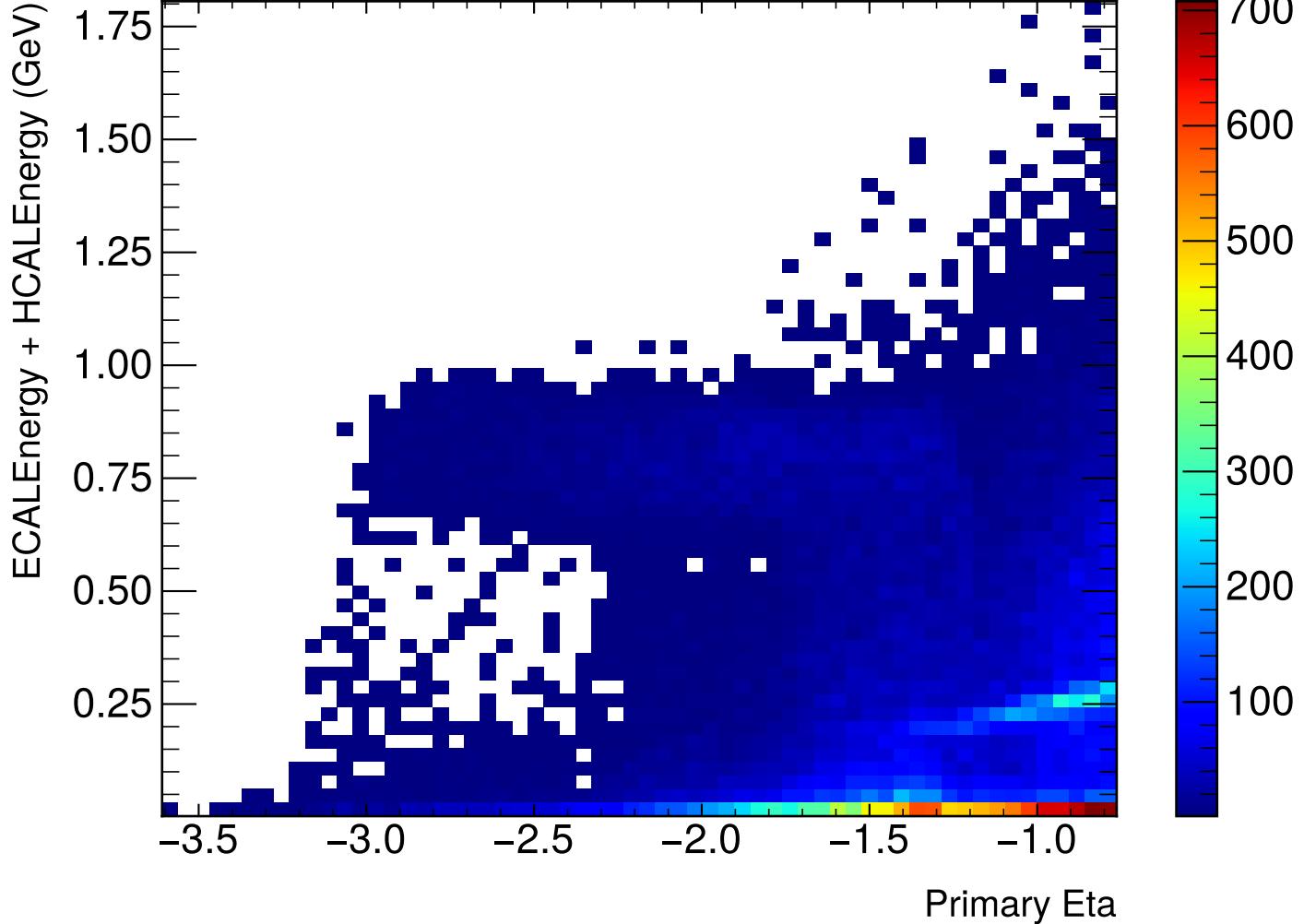
e-@1GeV spanning $-3.64 < \eta < -0.76$



e-@1GeV spanning $-3.64 < \eta < -0.76$

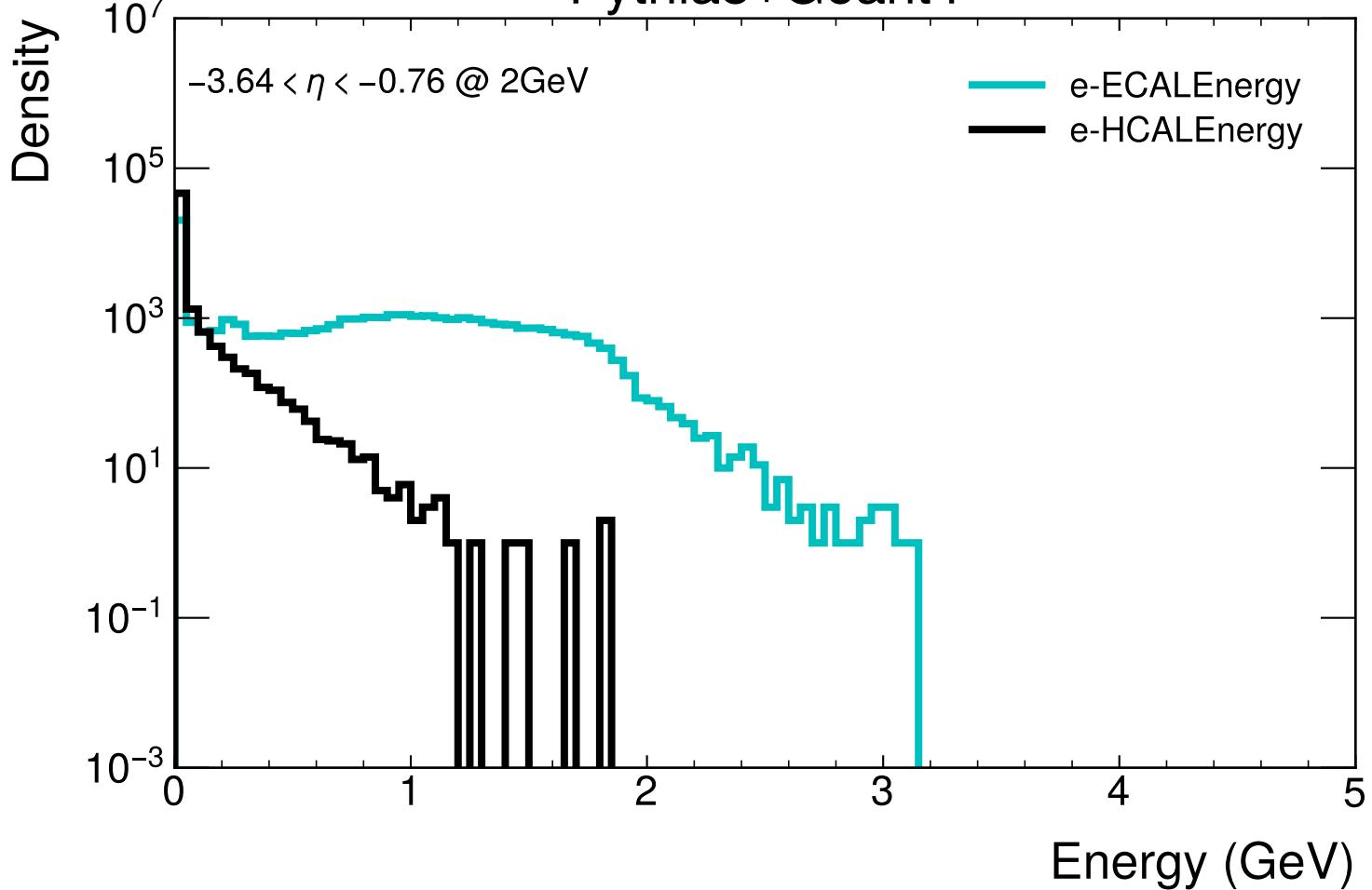


$e^-@1\text{GeV}$ spanning $-3.64 < \eta < -0.76$



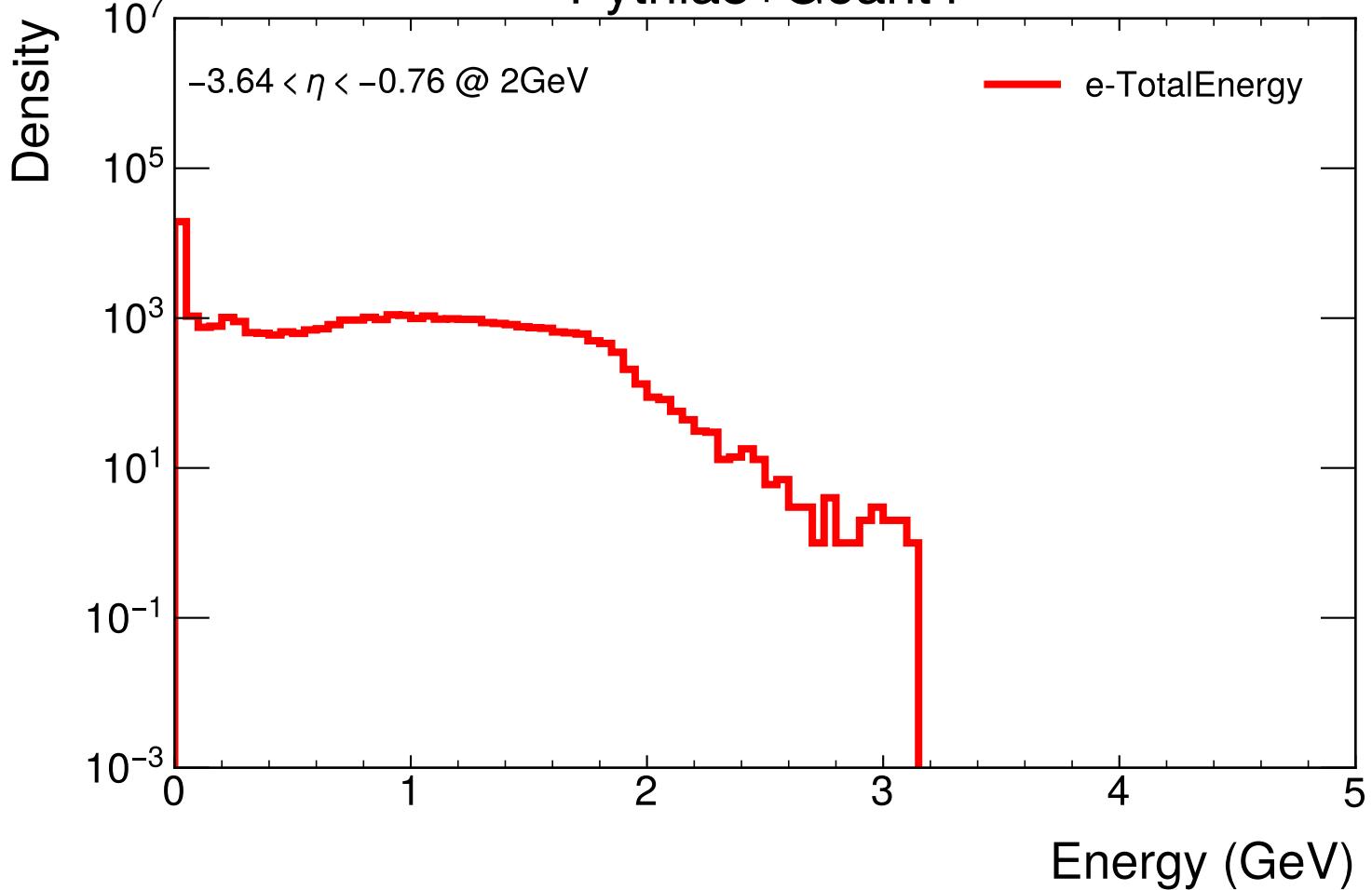
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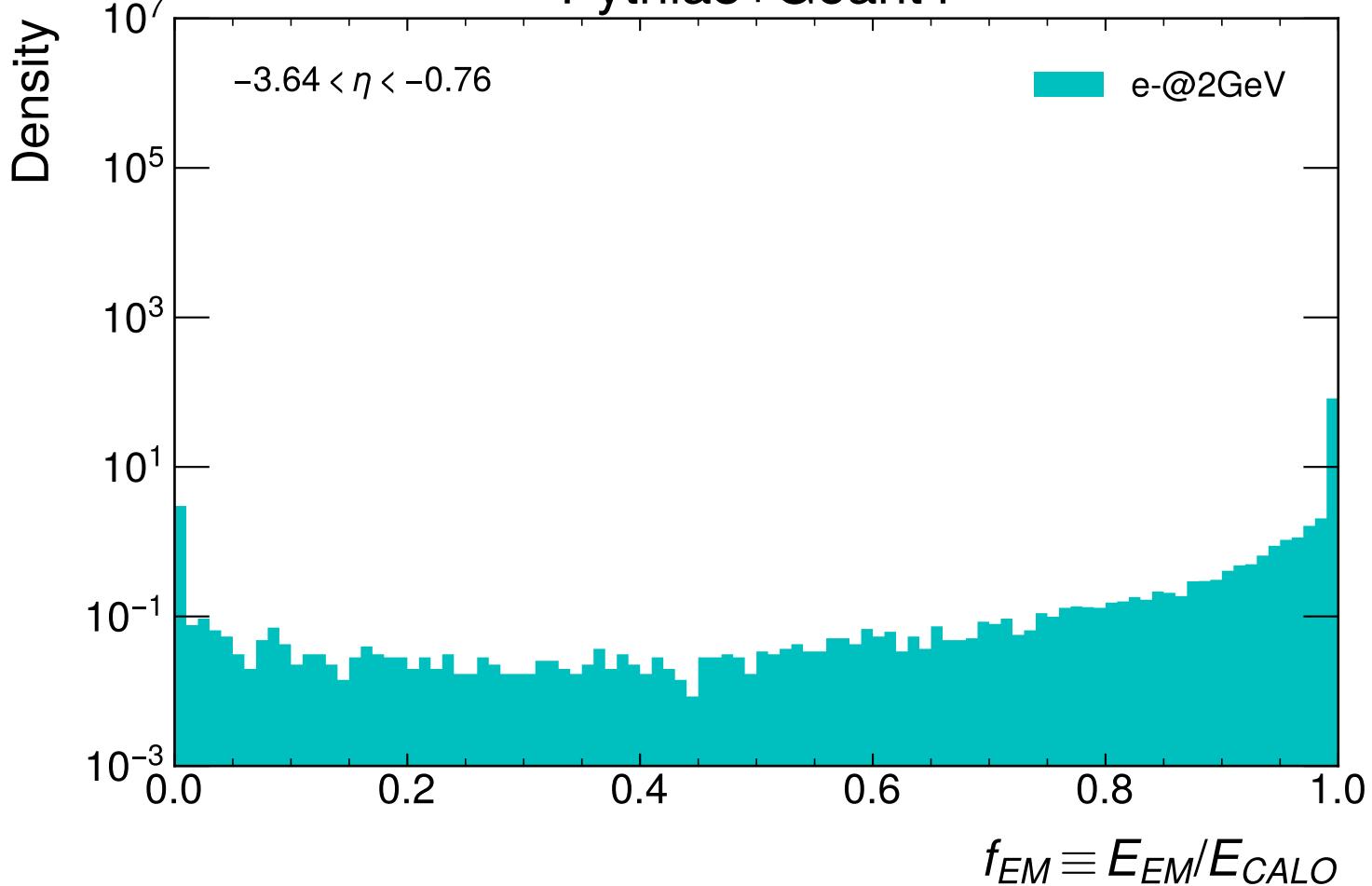


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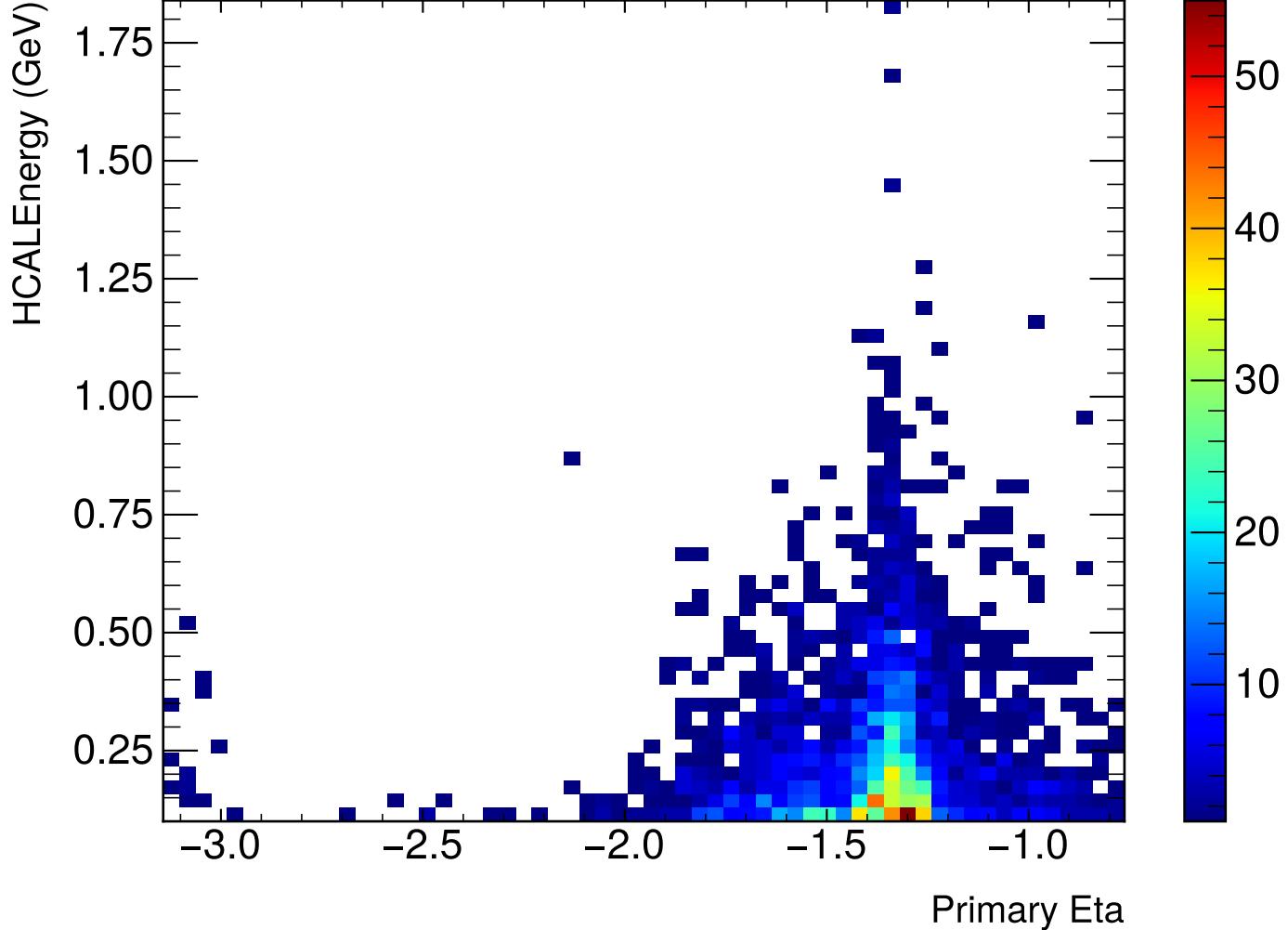
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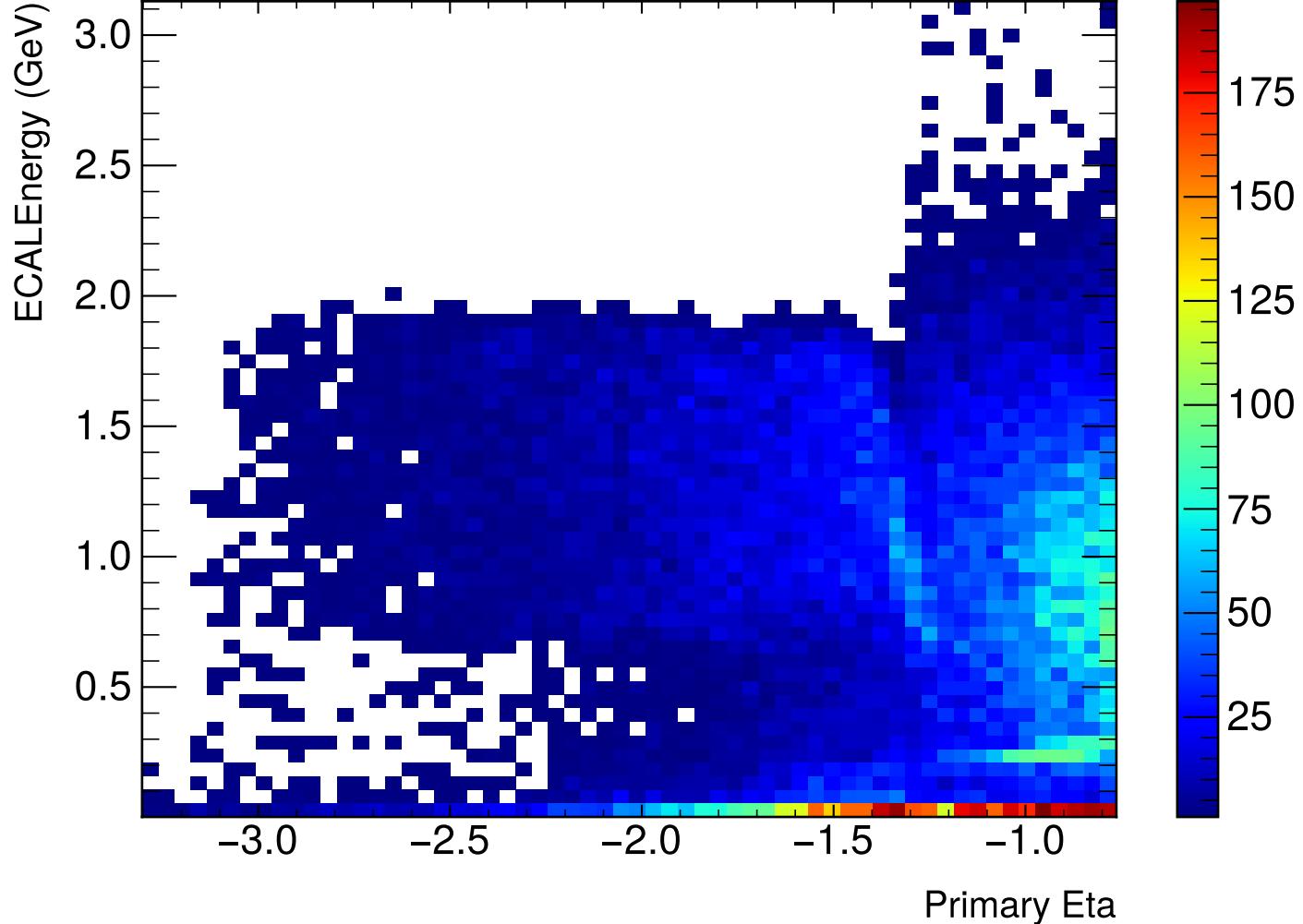
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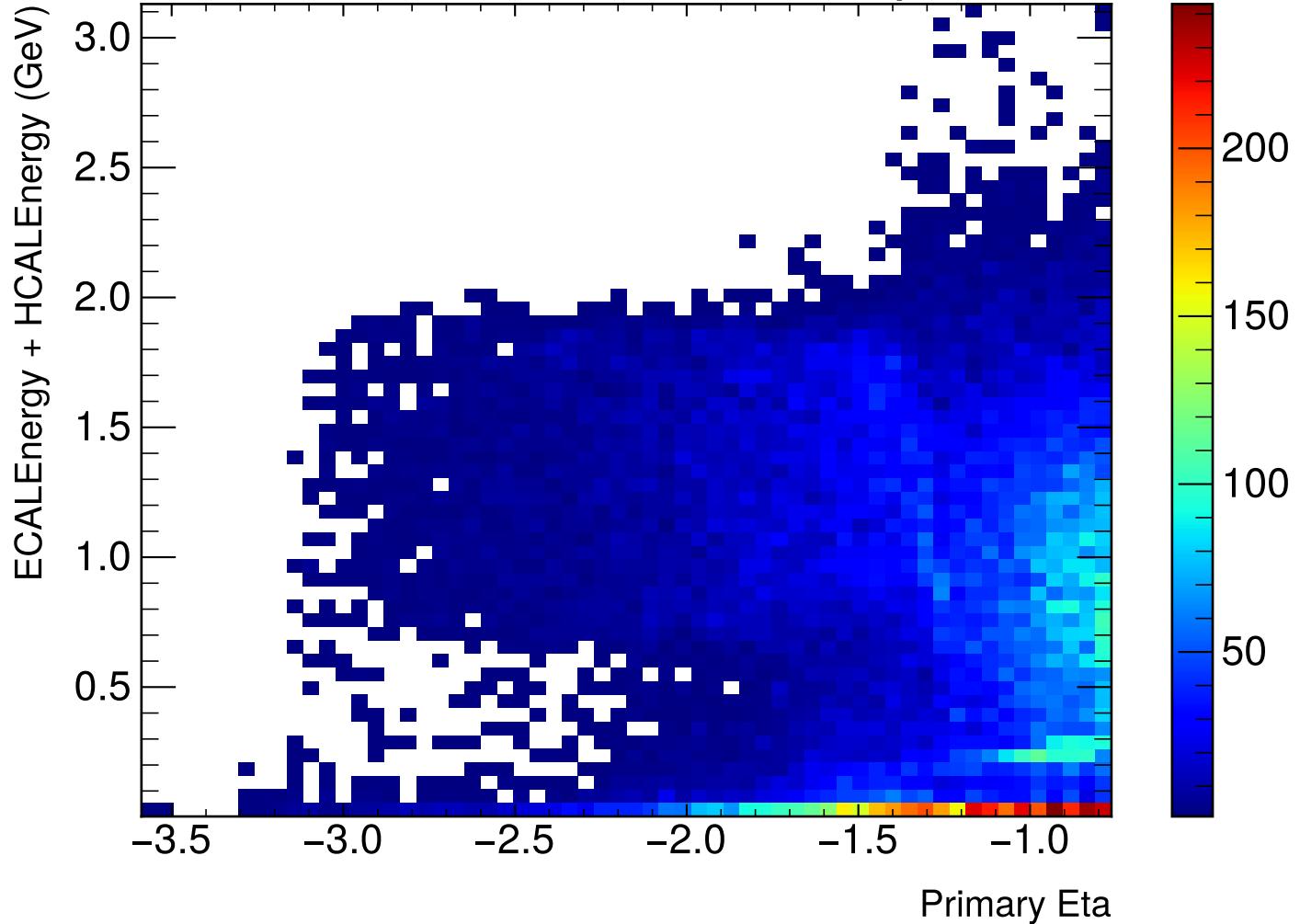
e-@2GeV spanning $-3.64 < \eta < -0.76$



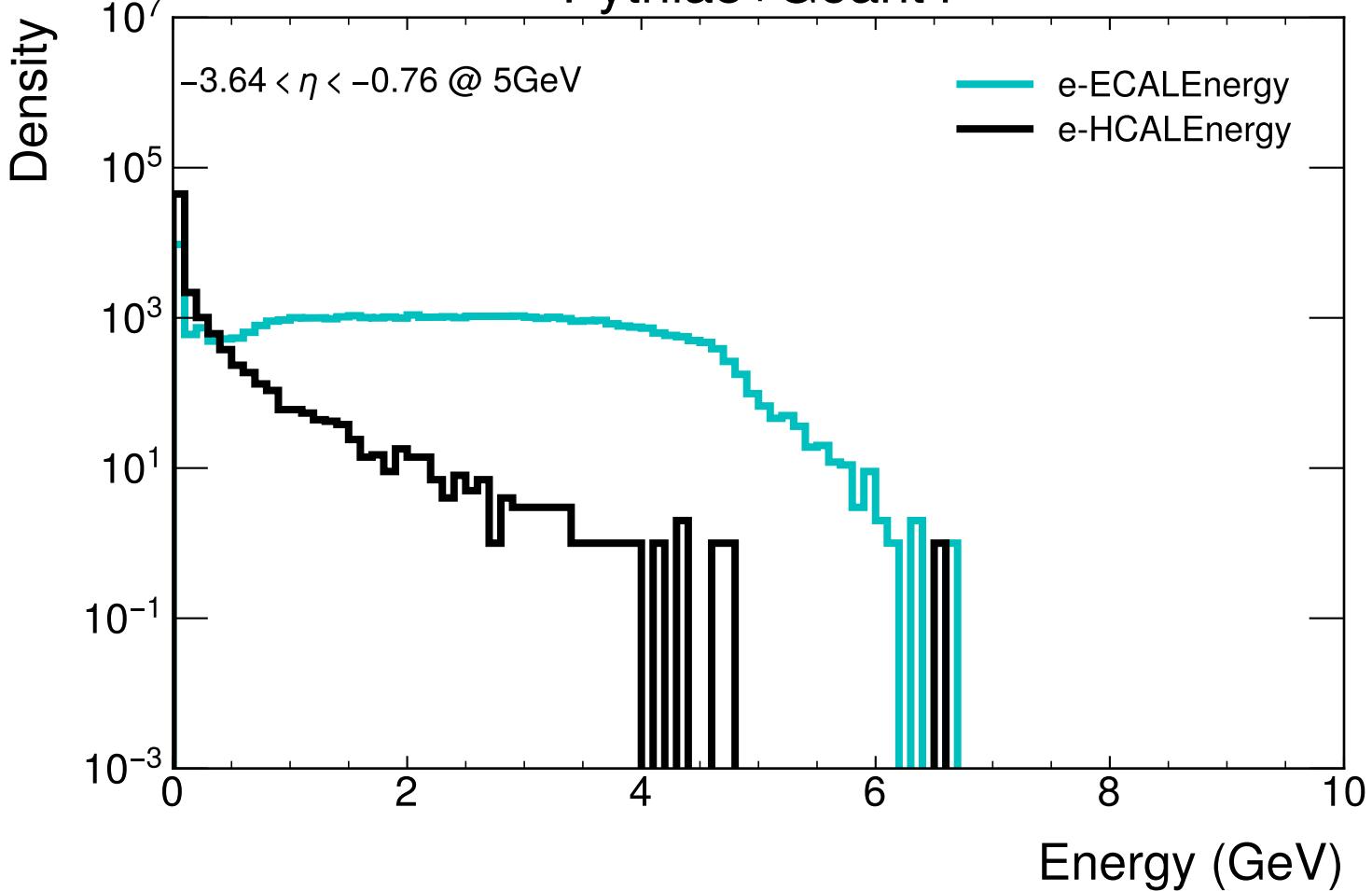
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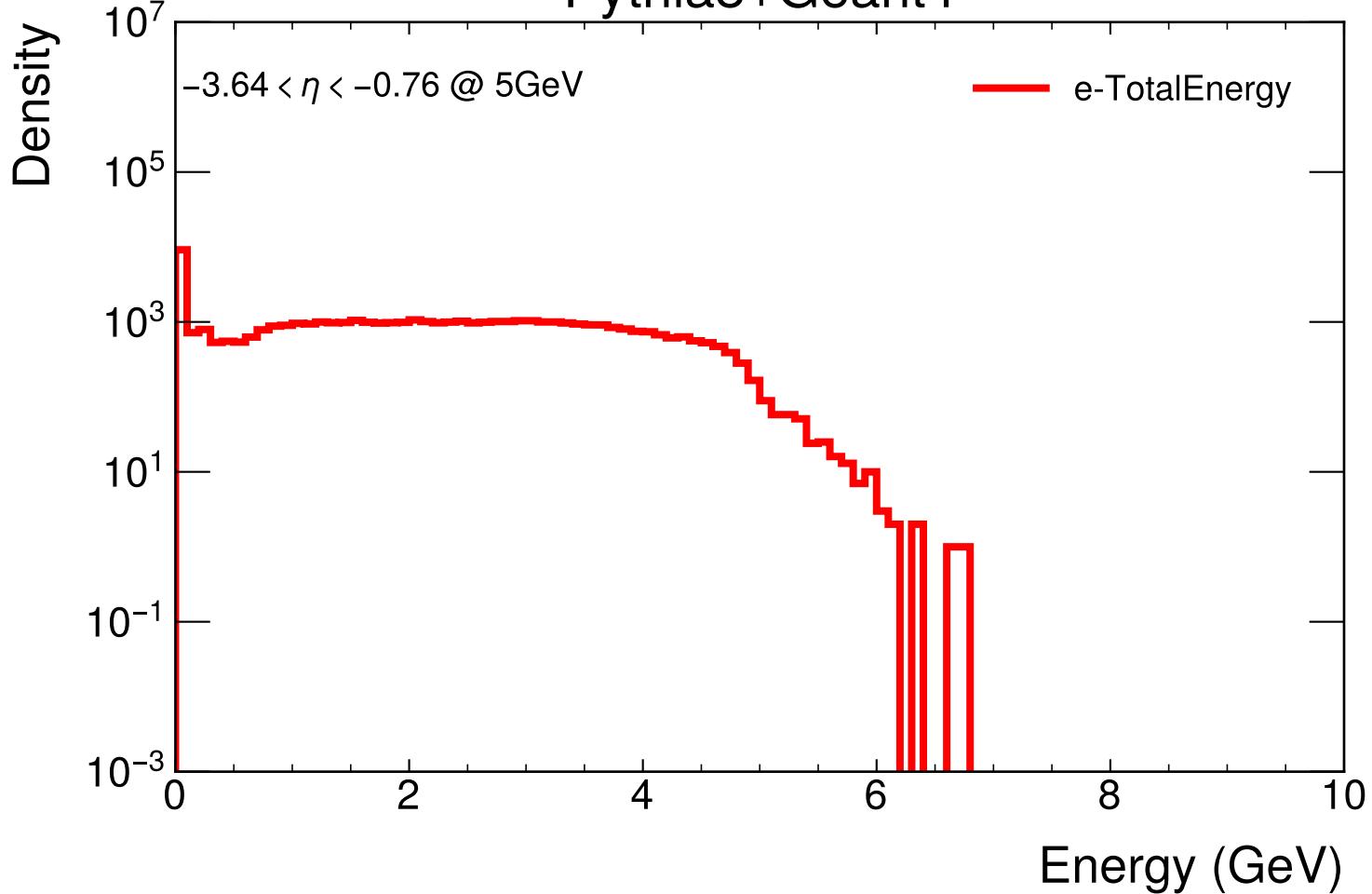
e-@2GeV spanning $-3.64 < \eta < -0.76$



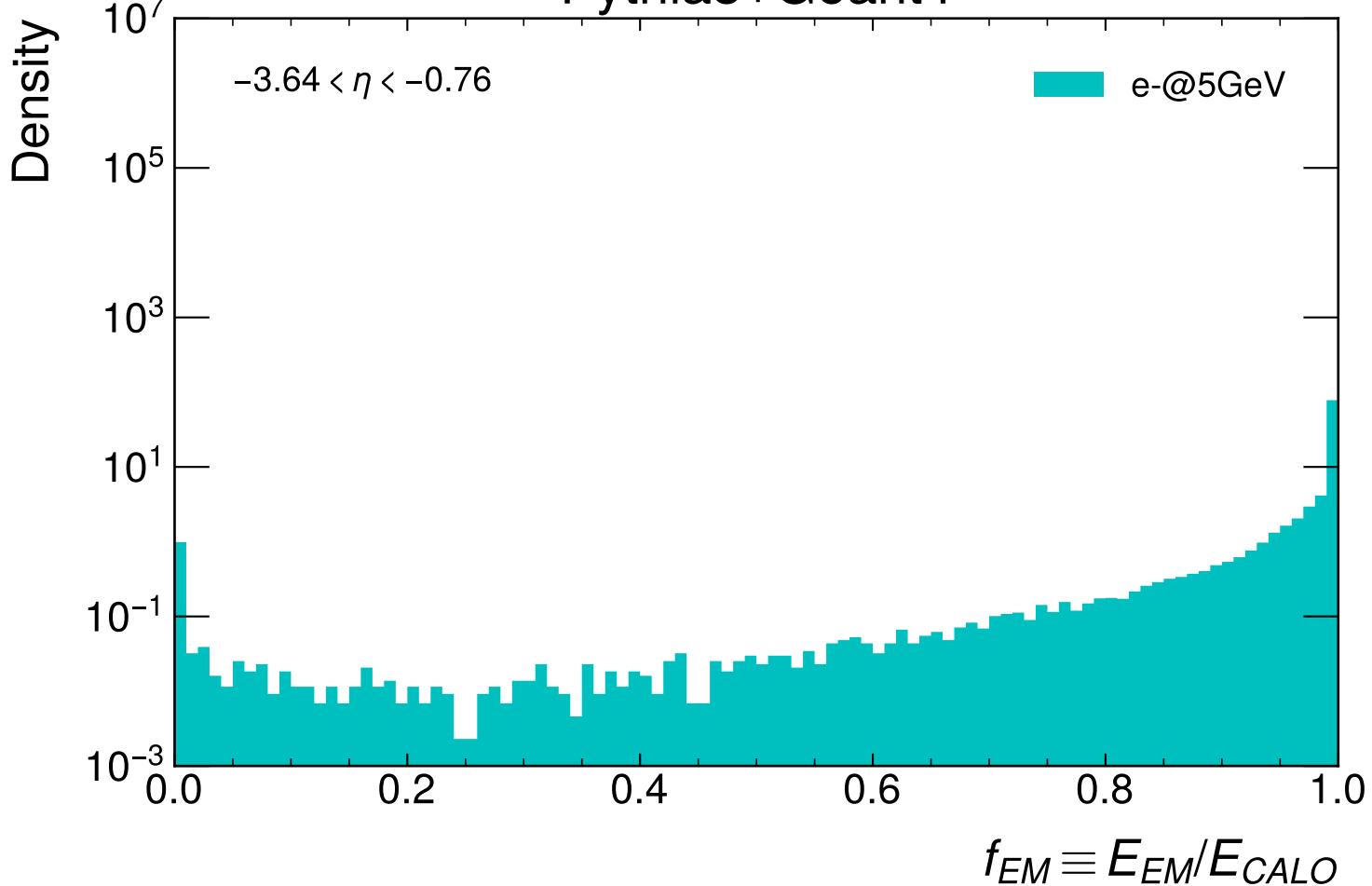
ATHENA simulation [DD4hep] Pythia8+Geant4



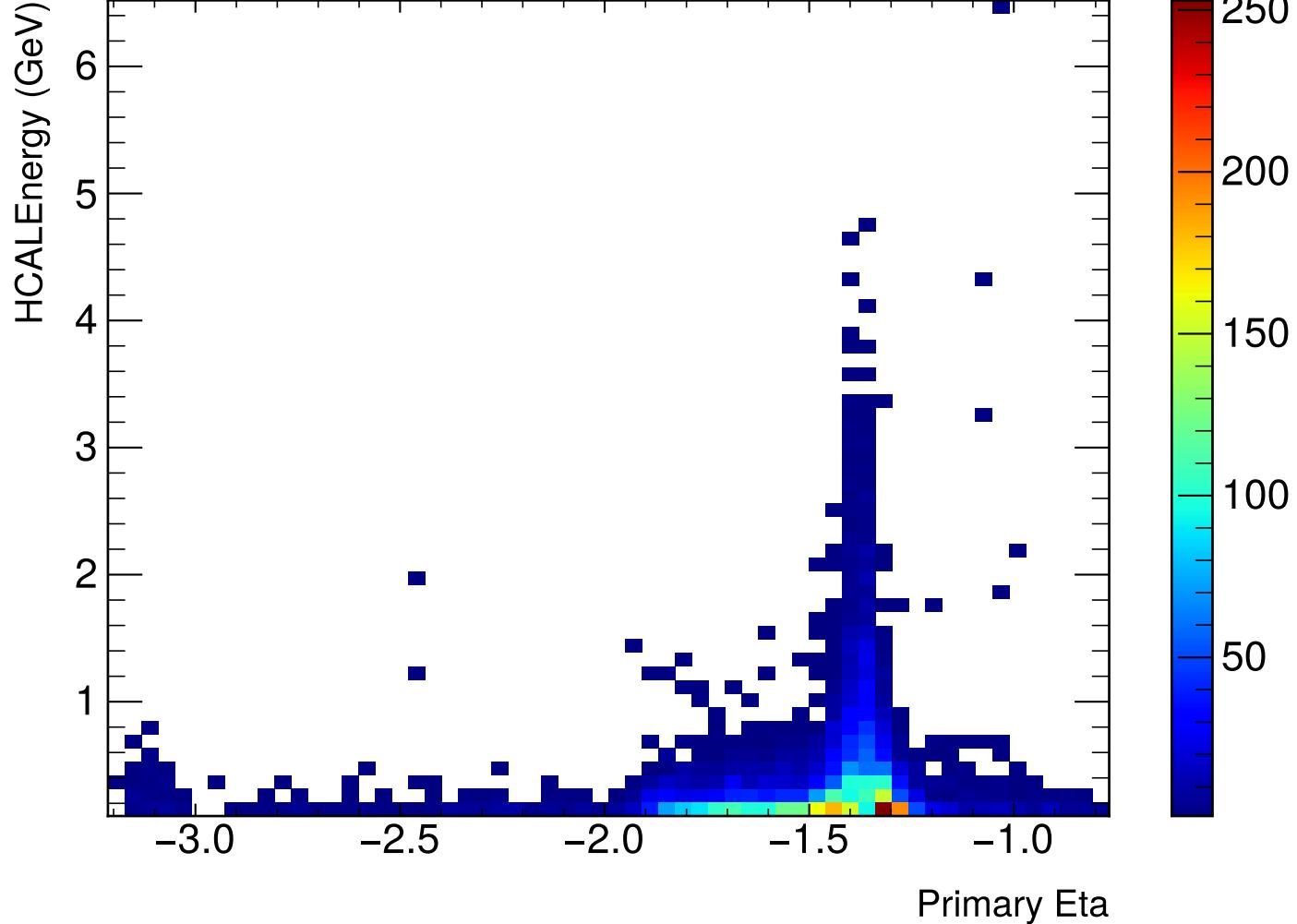
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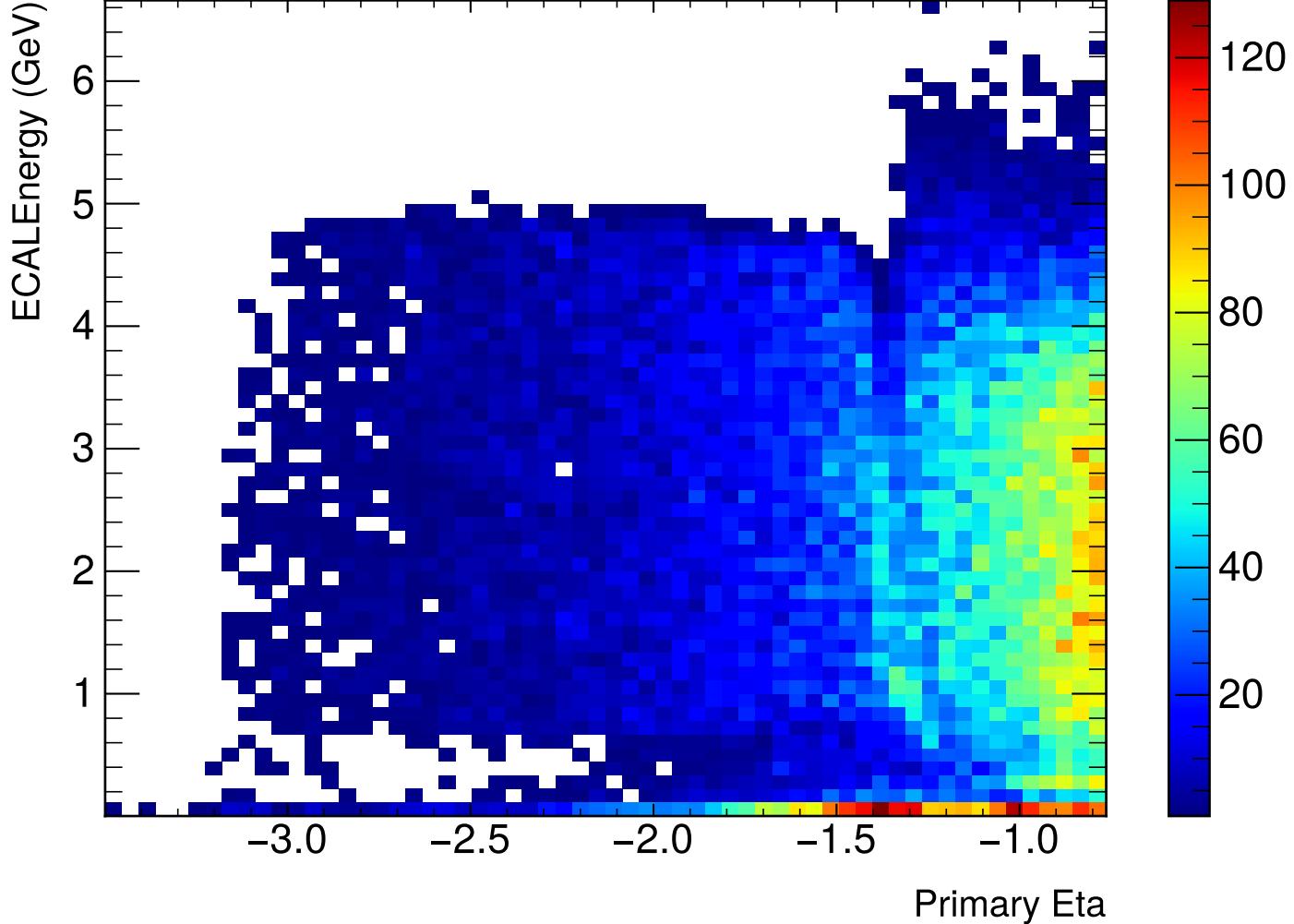
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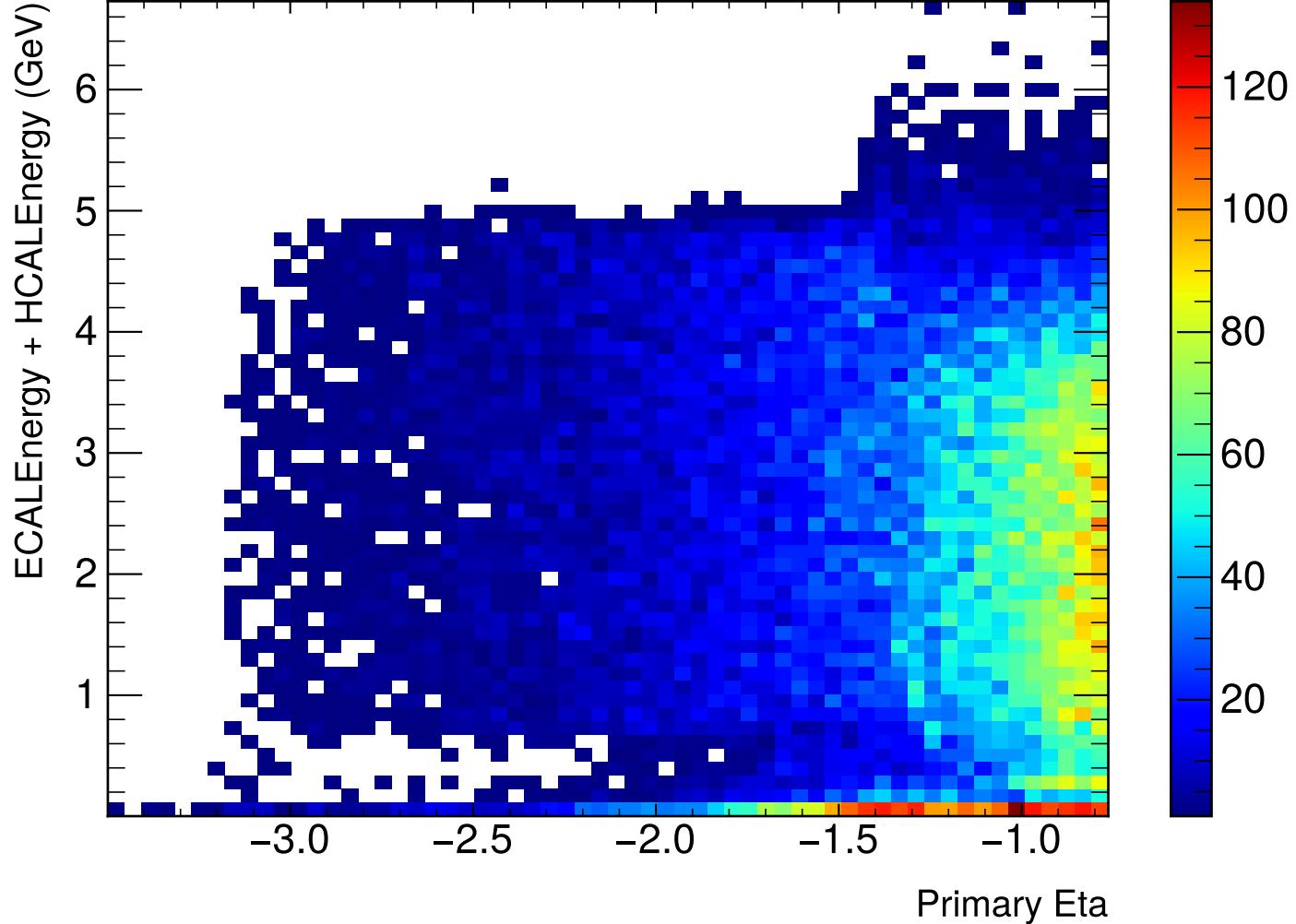
e-@5GeV spanning $-3.64 < \eta < -0.76$



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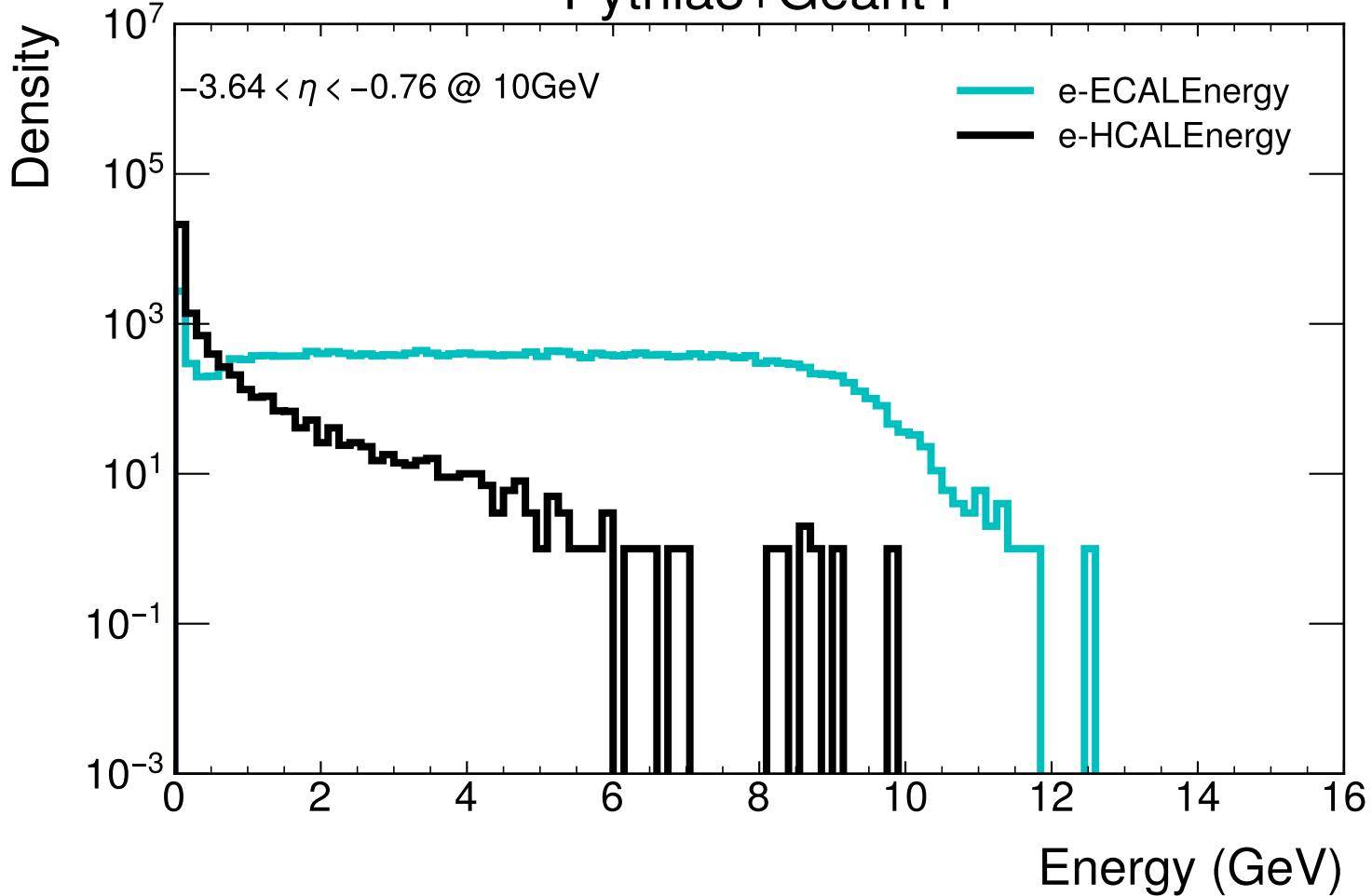


e-@5GeV spanning $-3.64 < \eta < -0.76$



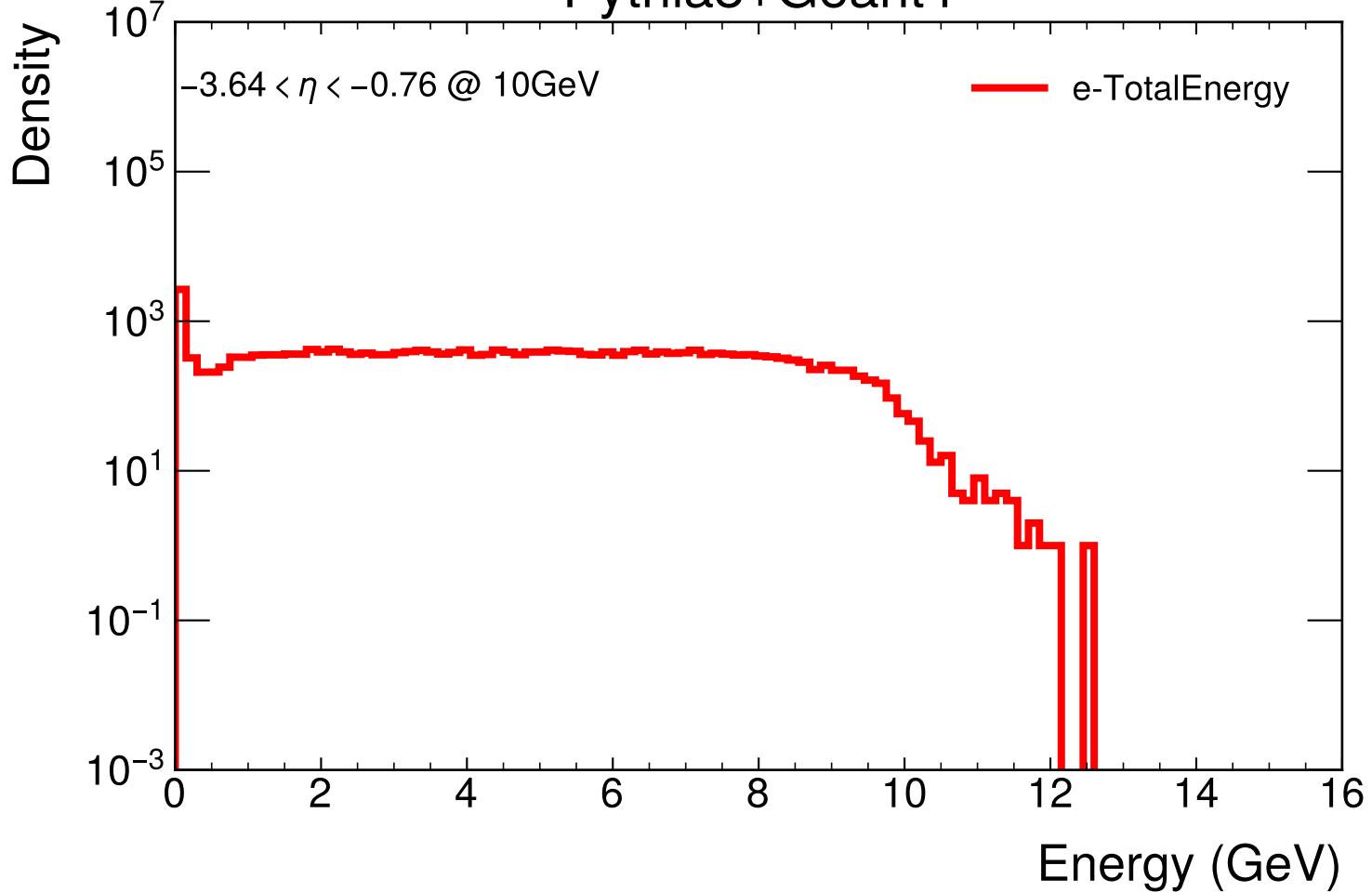
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Pythia8+Geant4

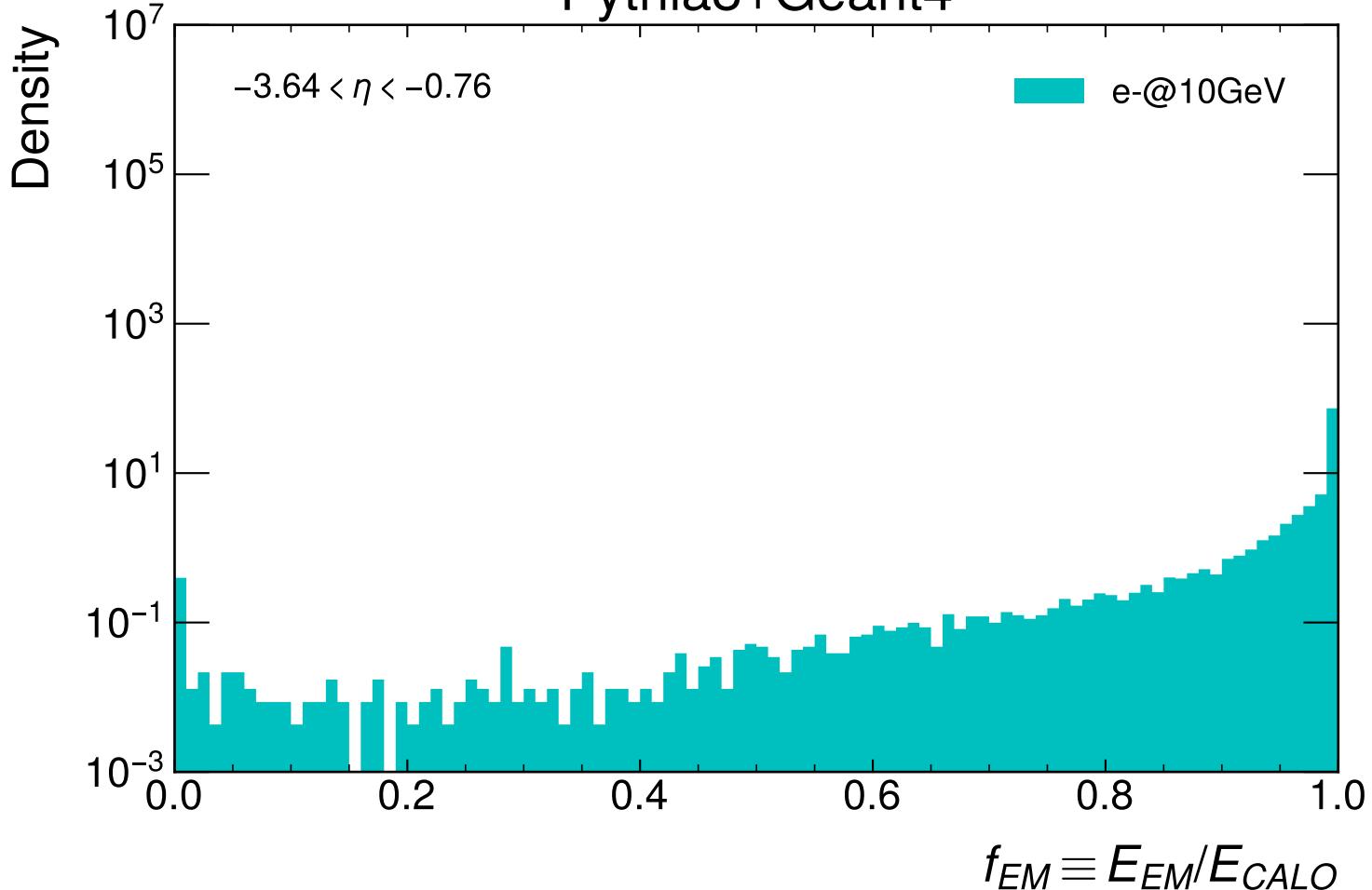


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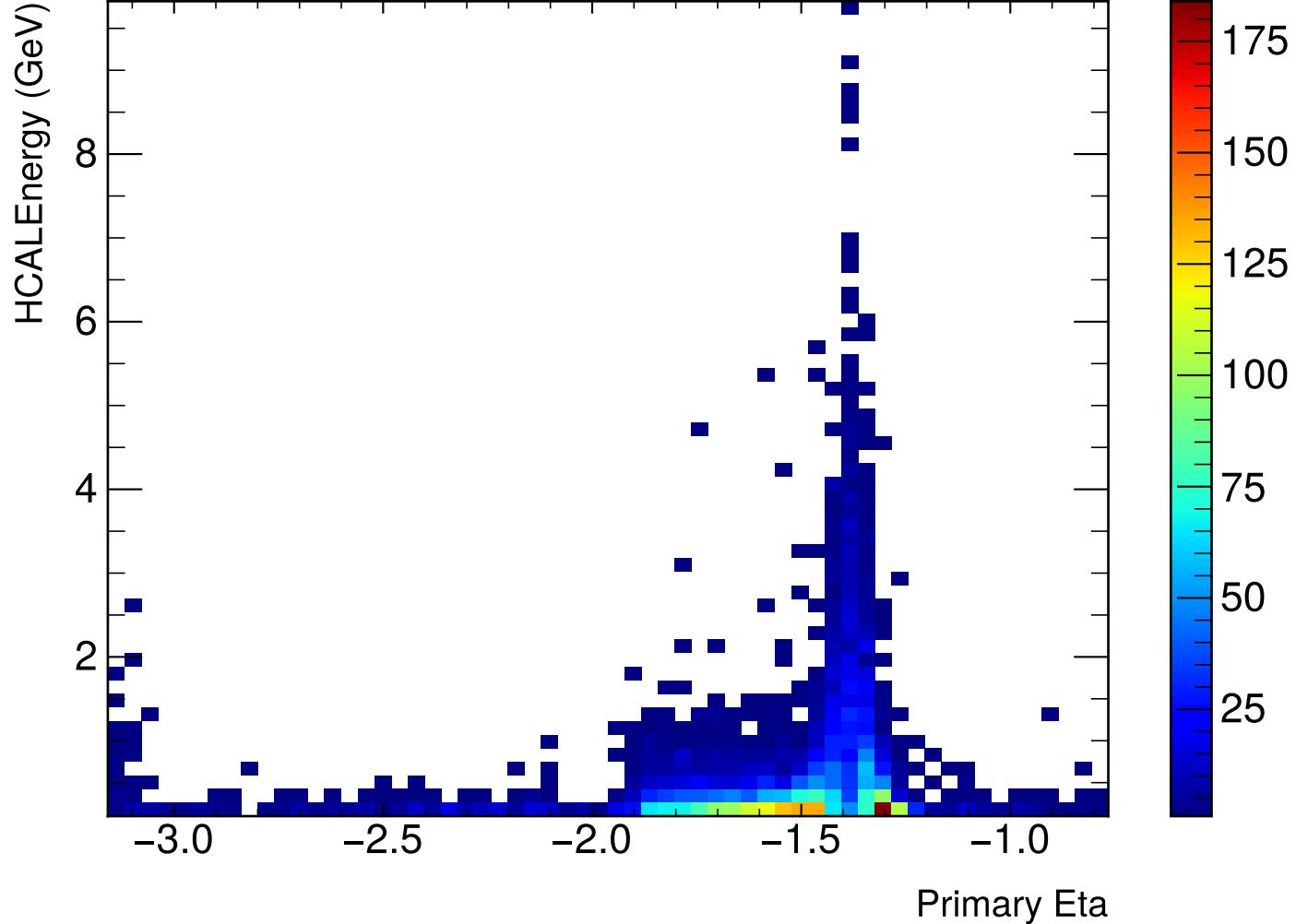
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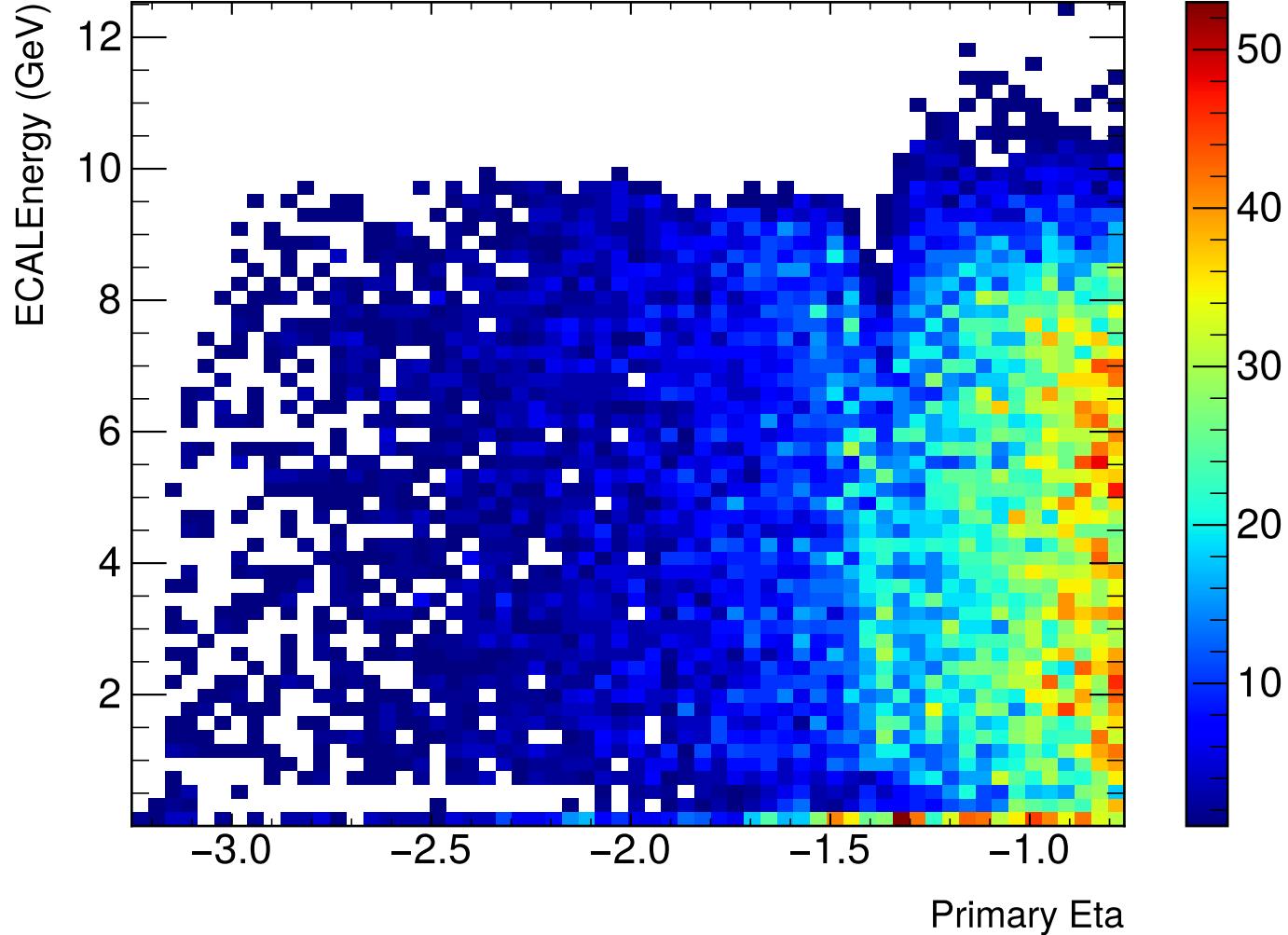
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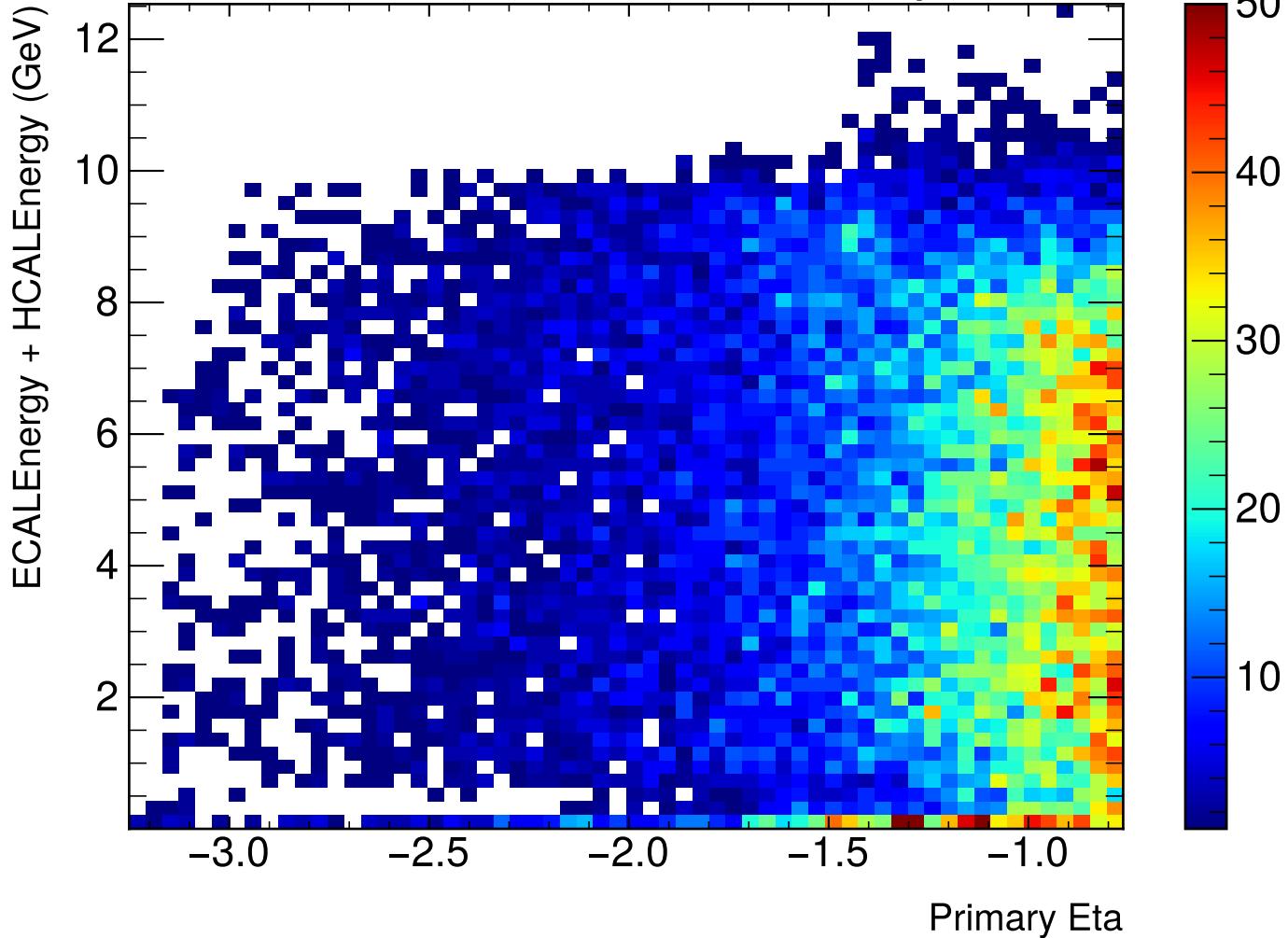
e-@10GeV spanning $-3.64 < \eta < -0.76$



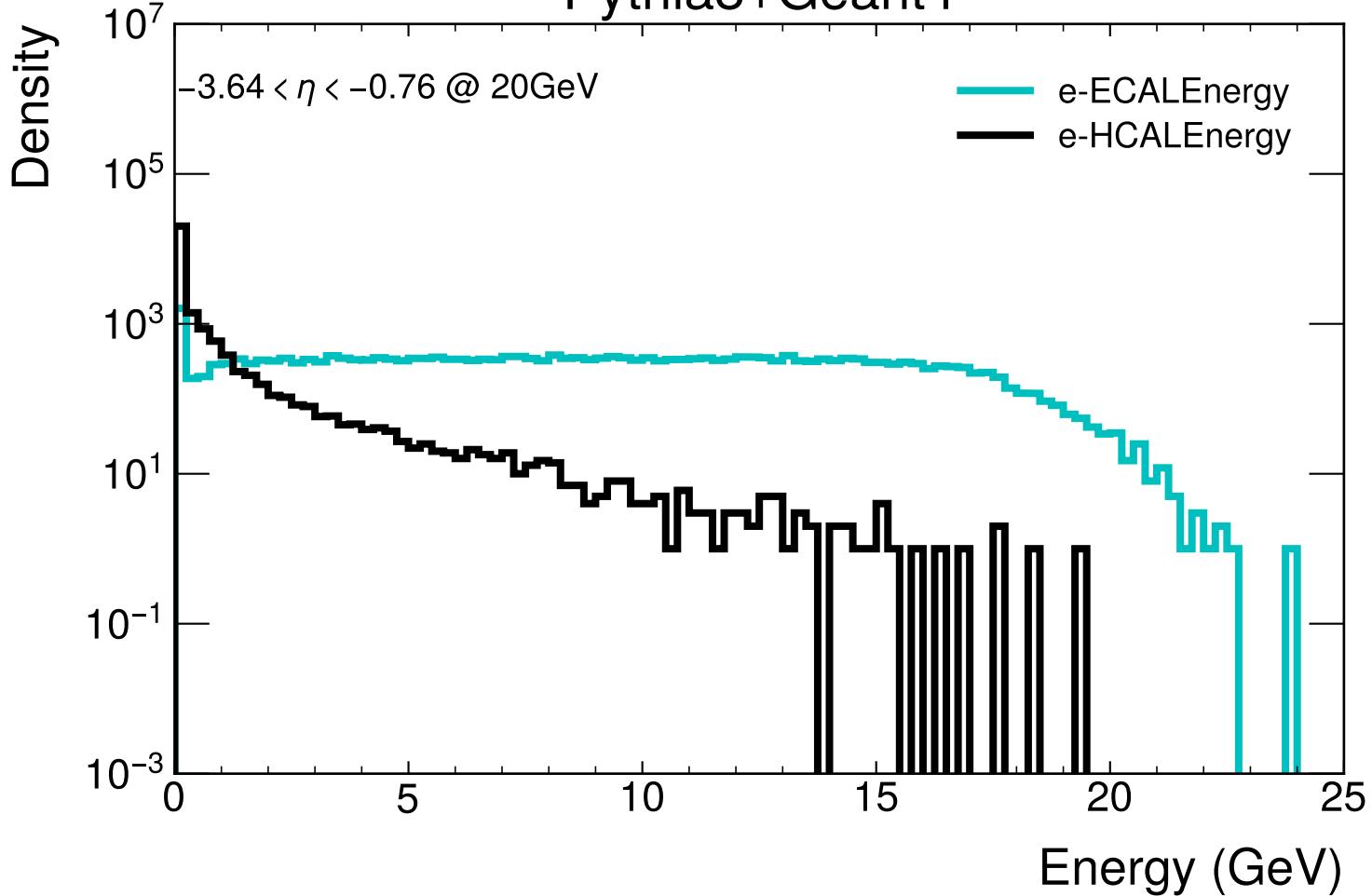
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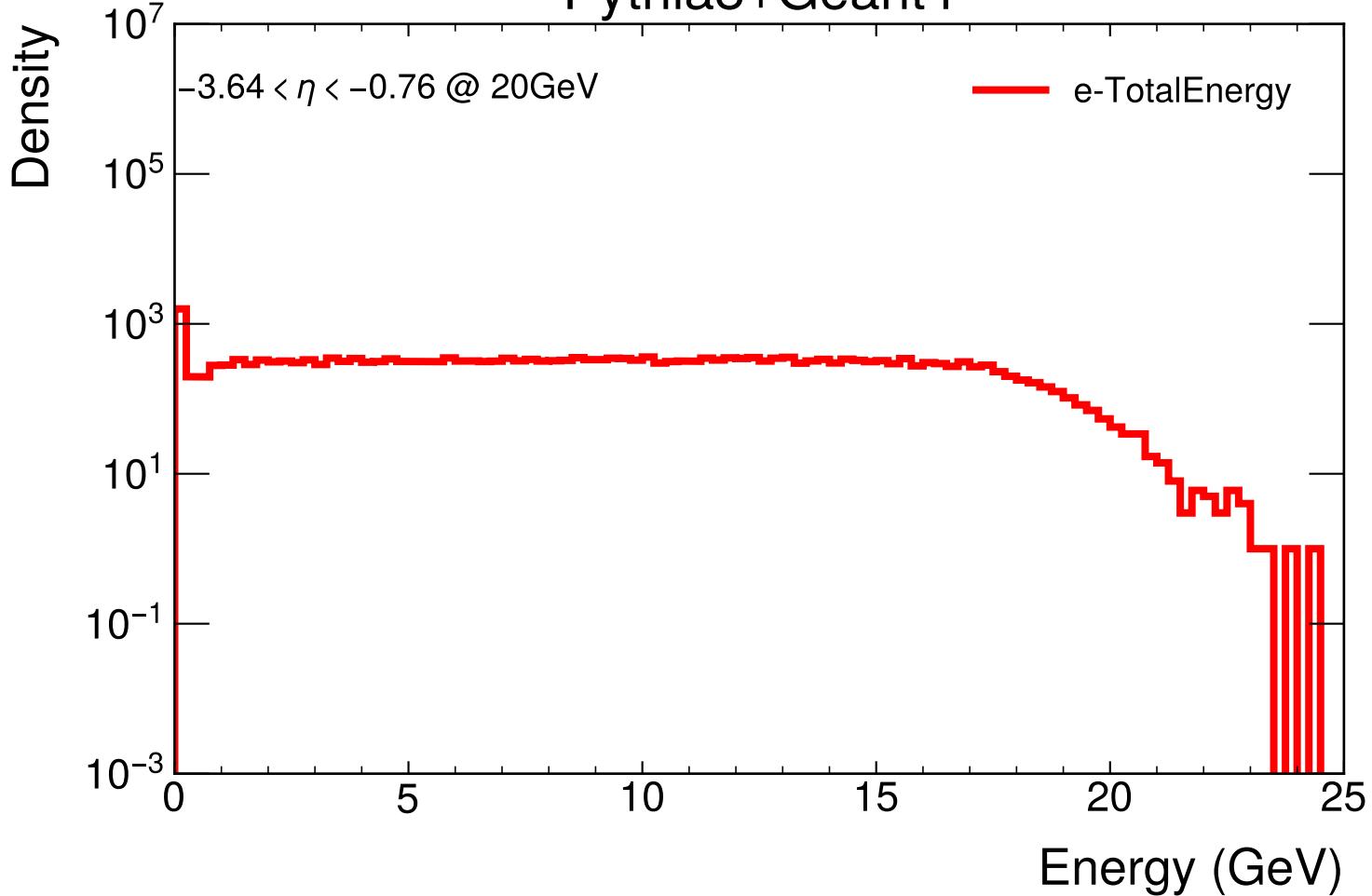
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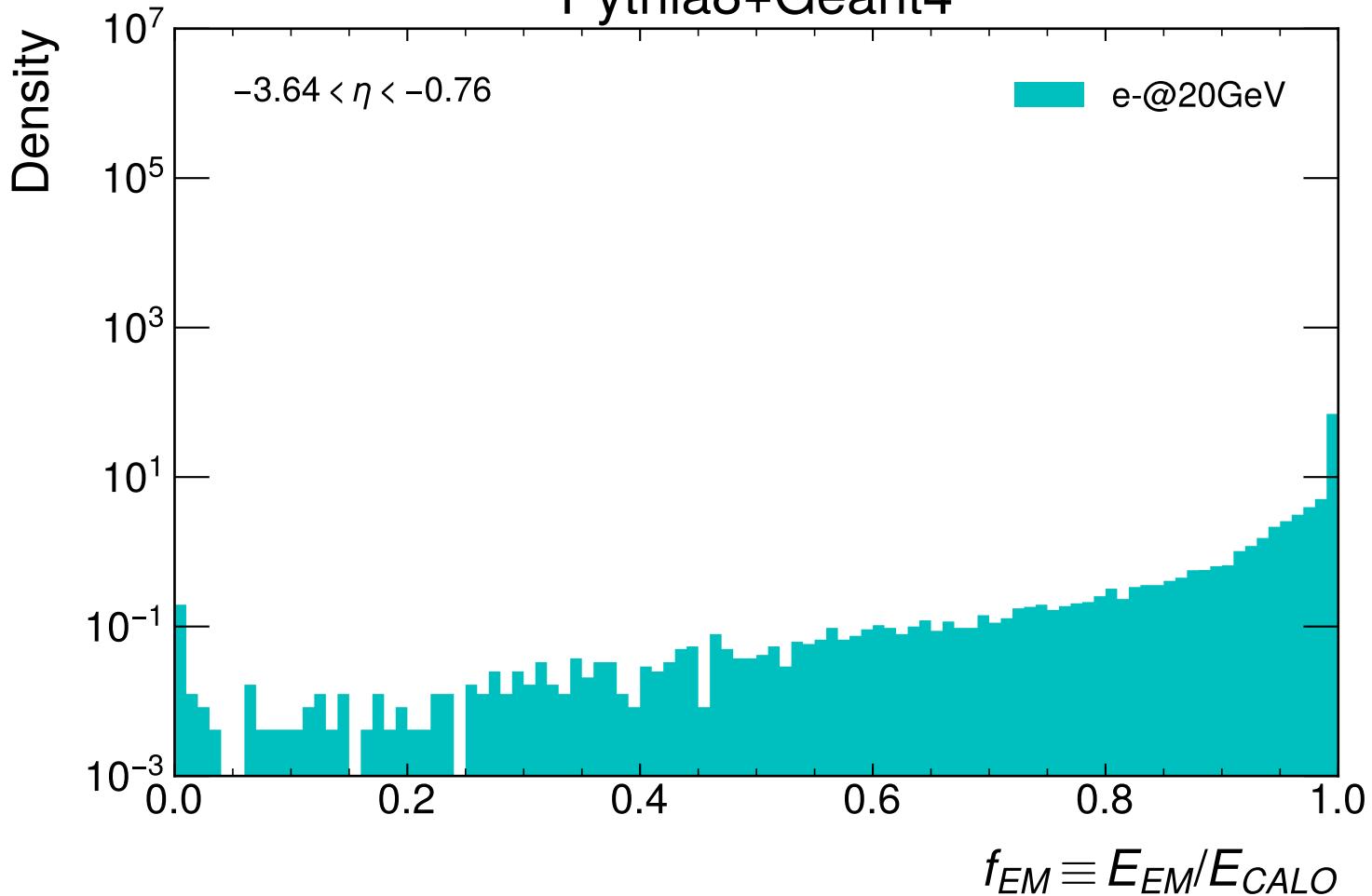
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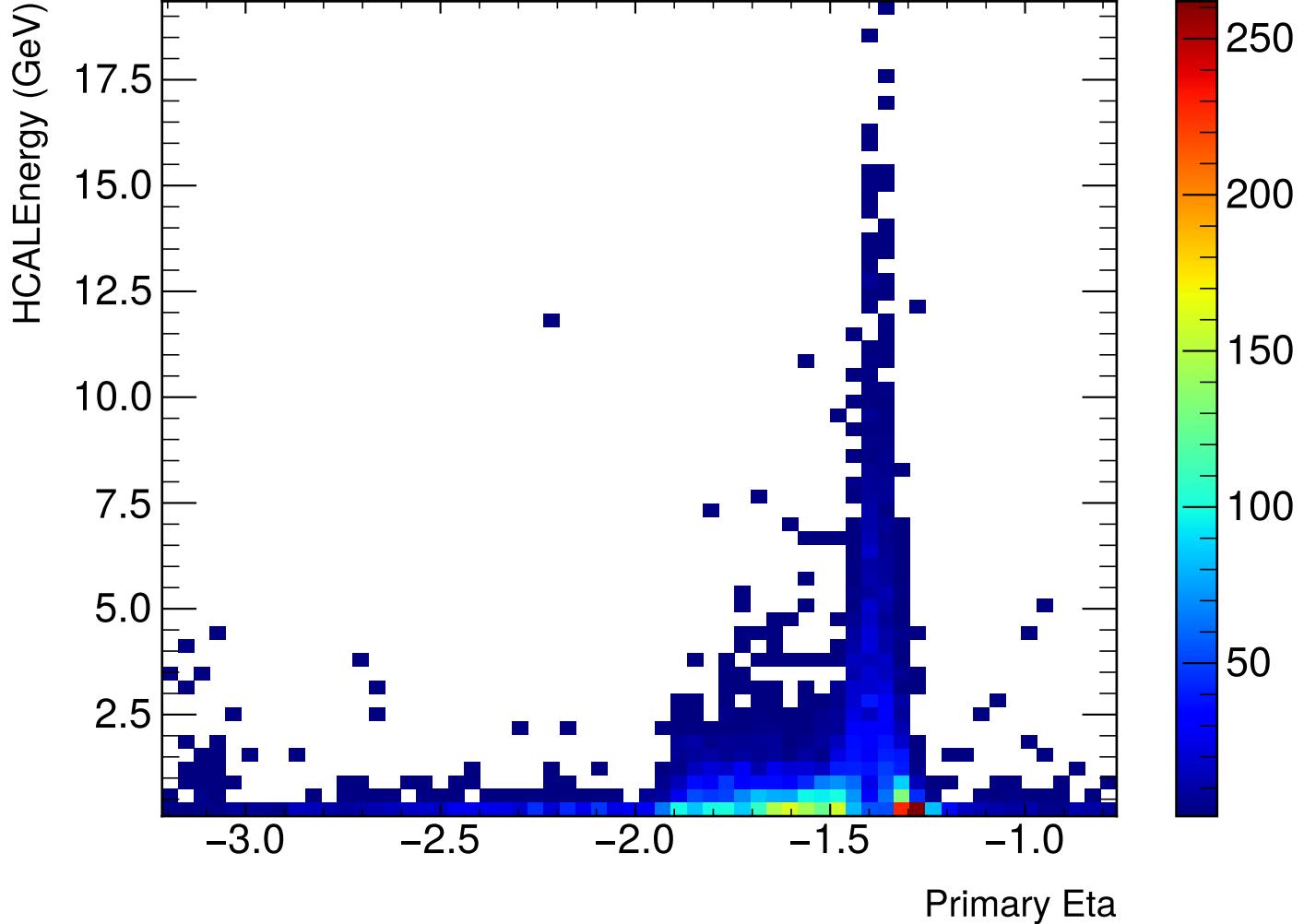
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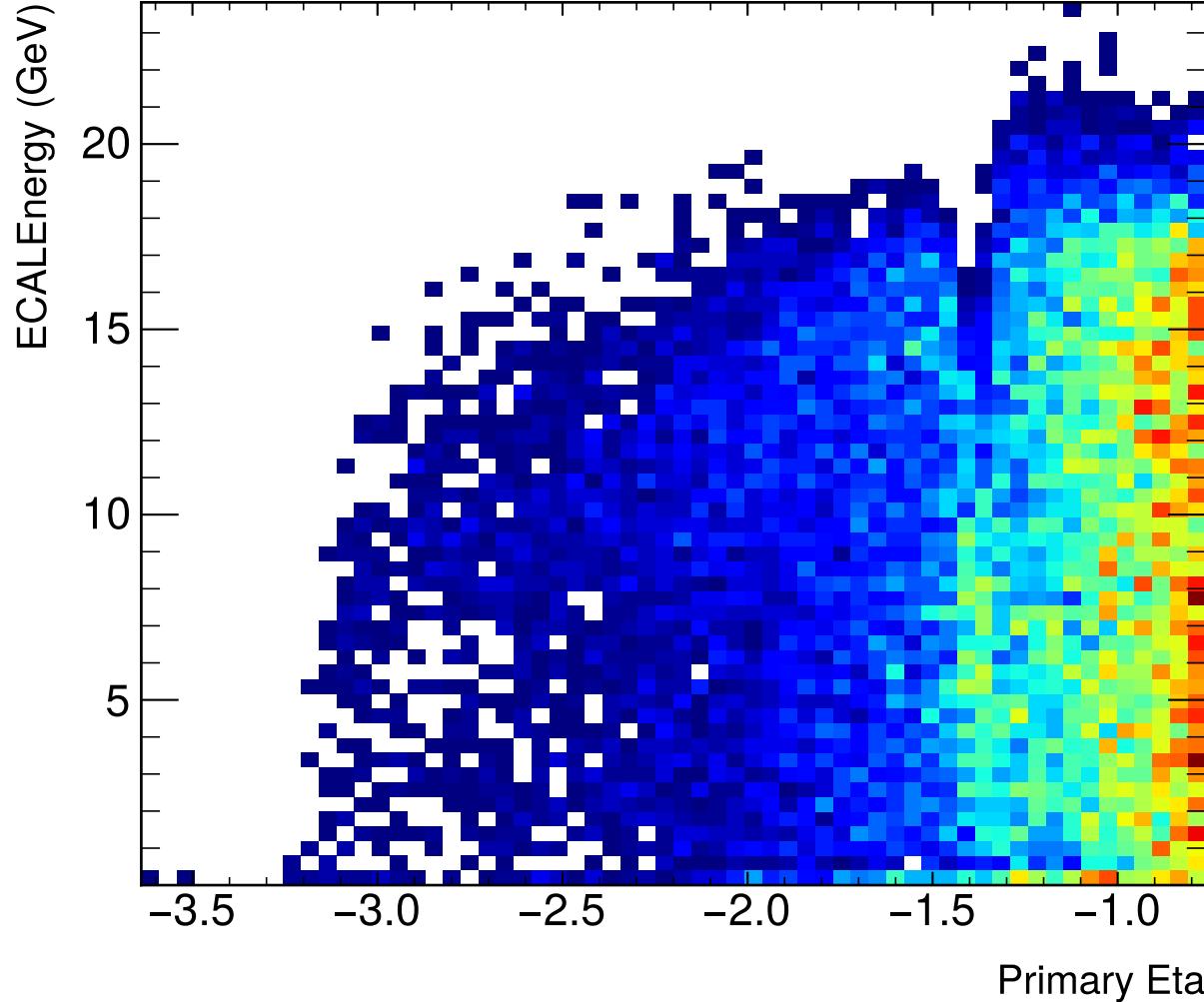
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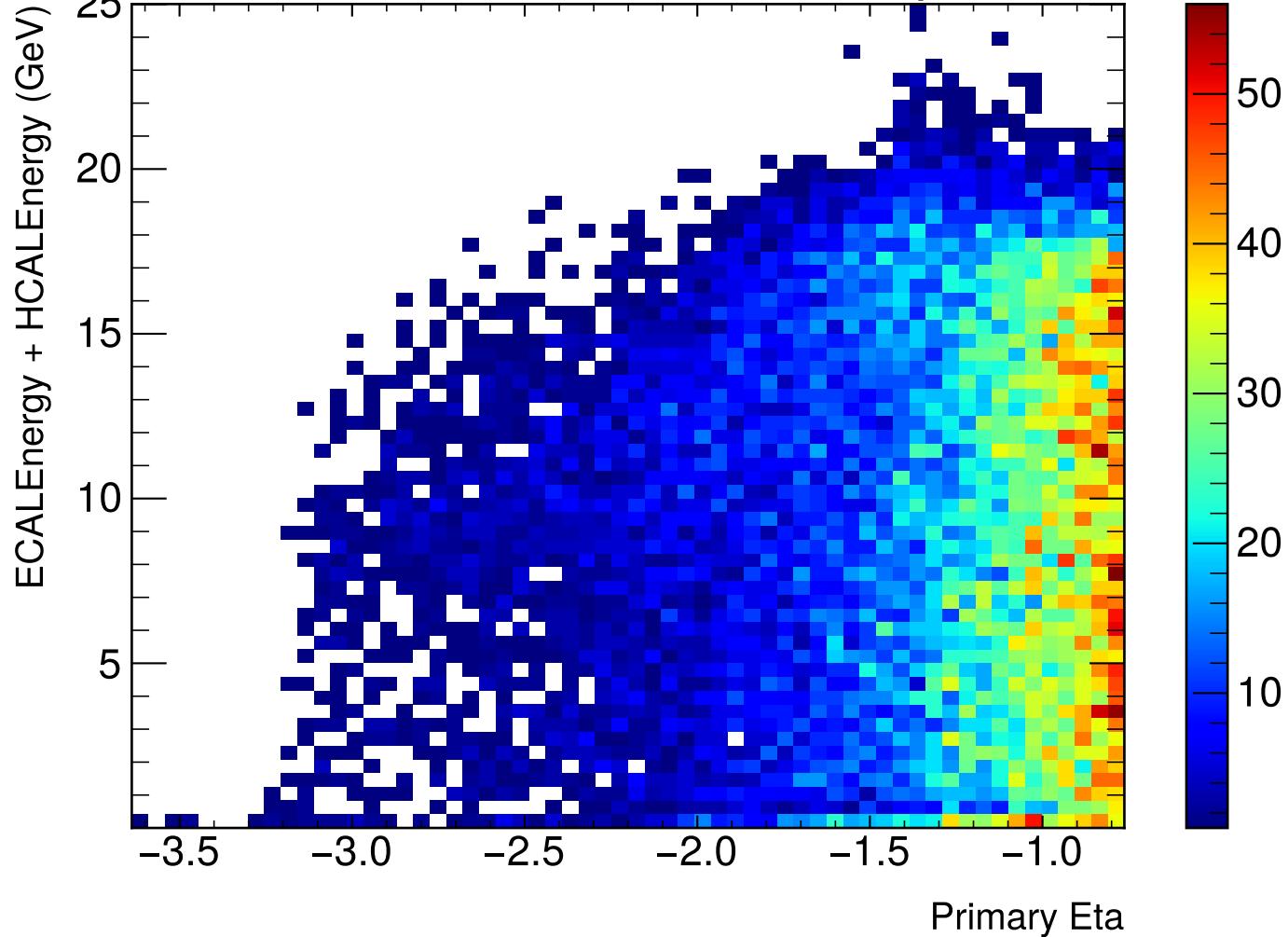
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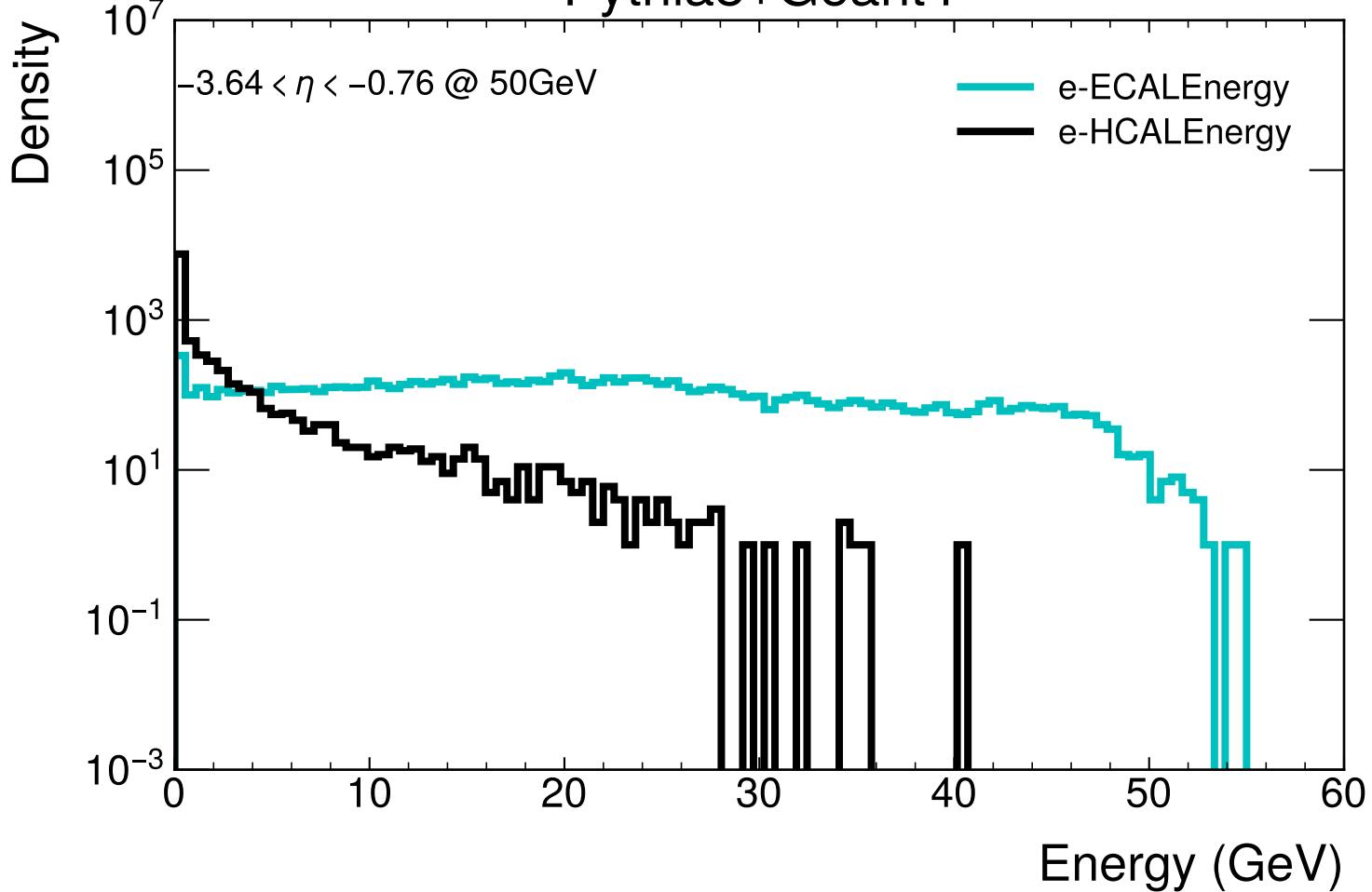
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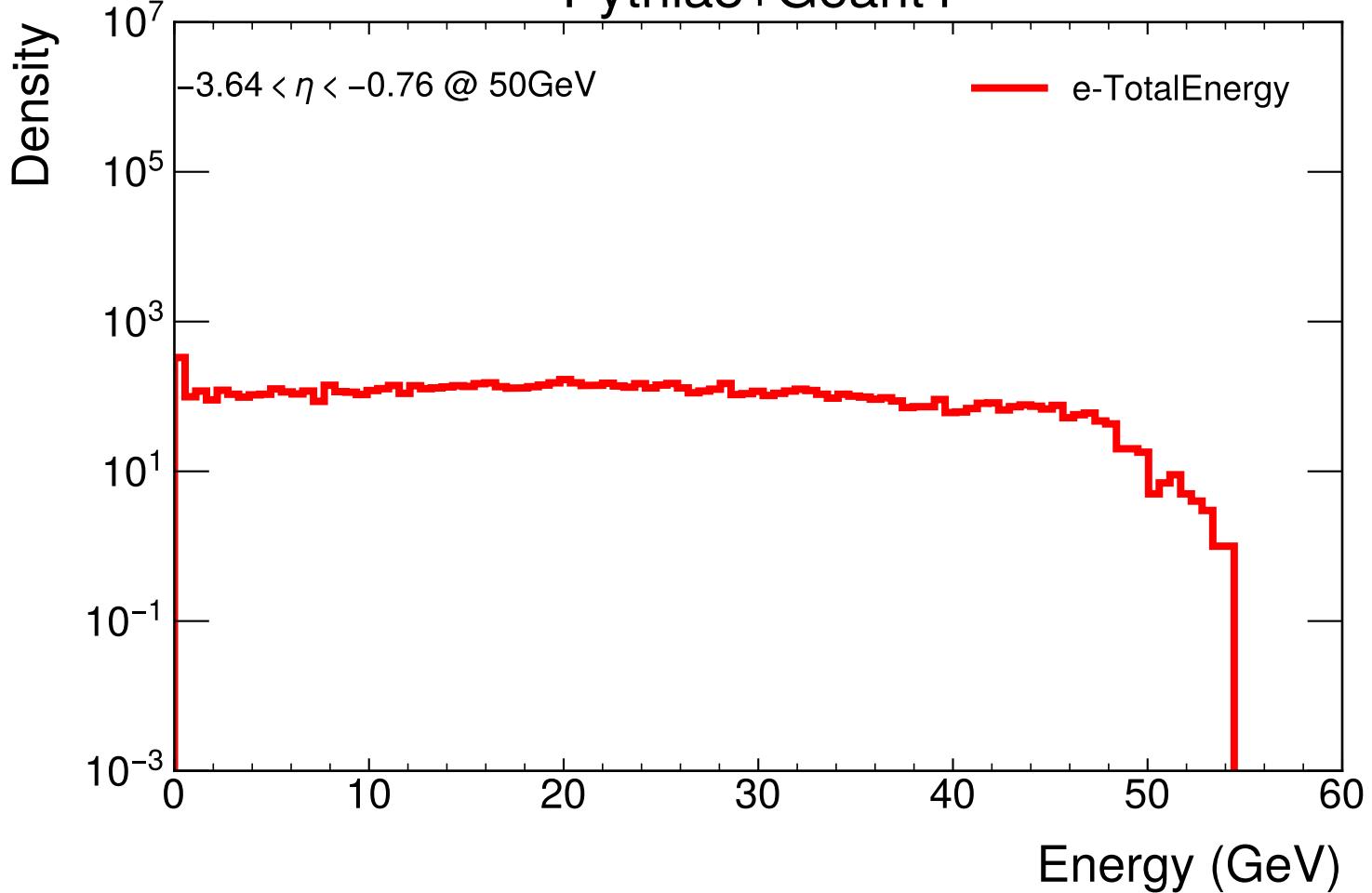
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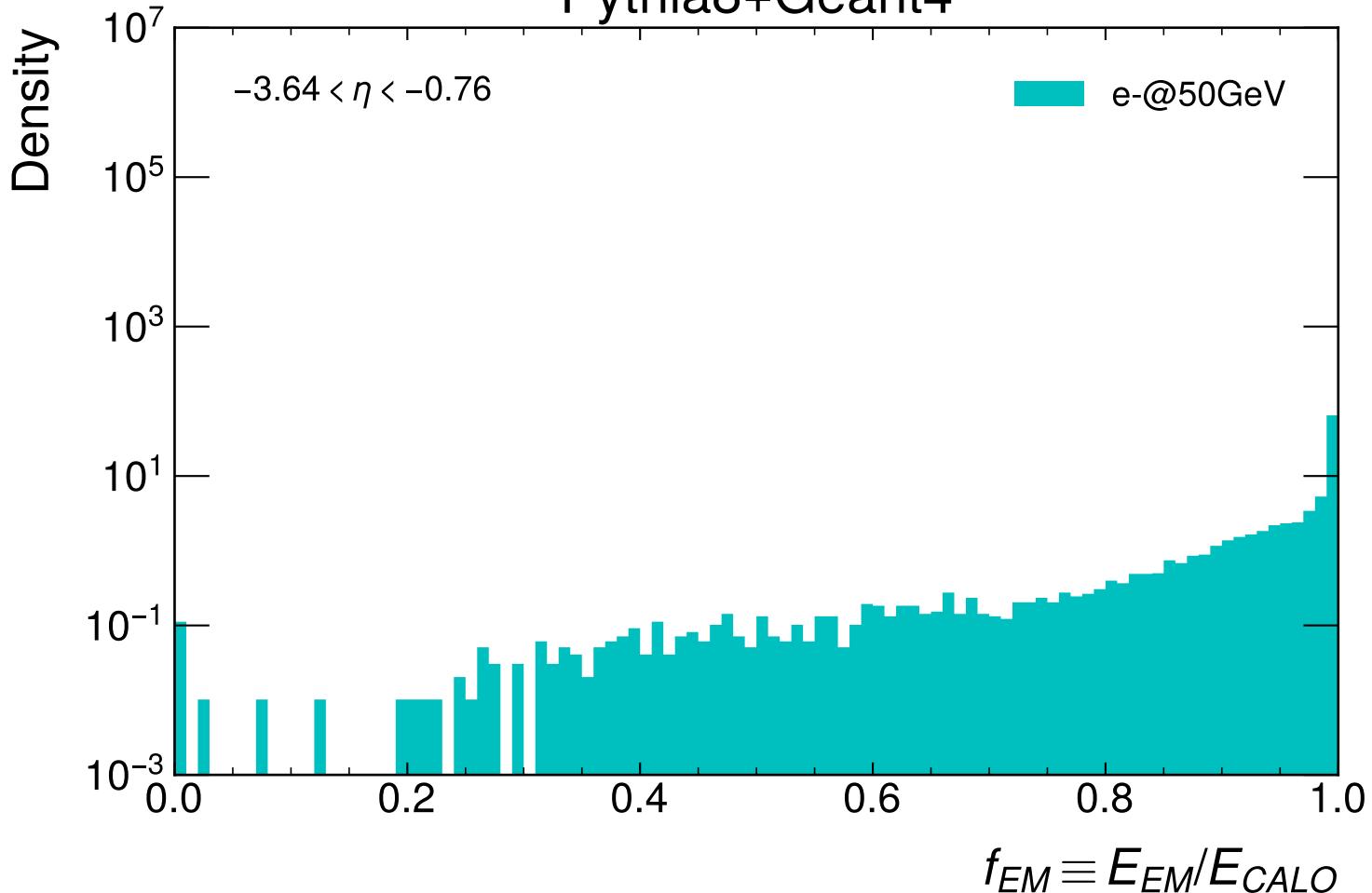
ATHENA simulation [DD4hep] Pythia8+Geant4



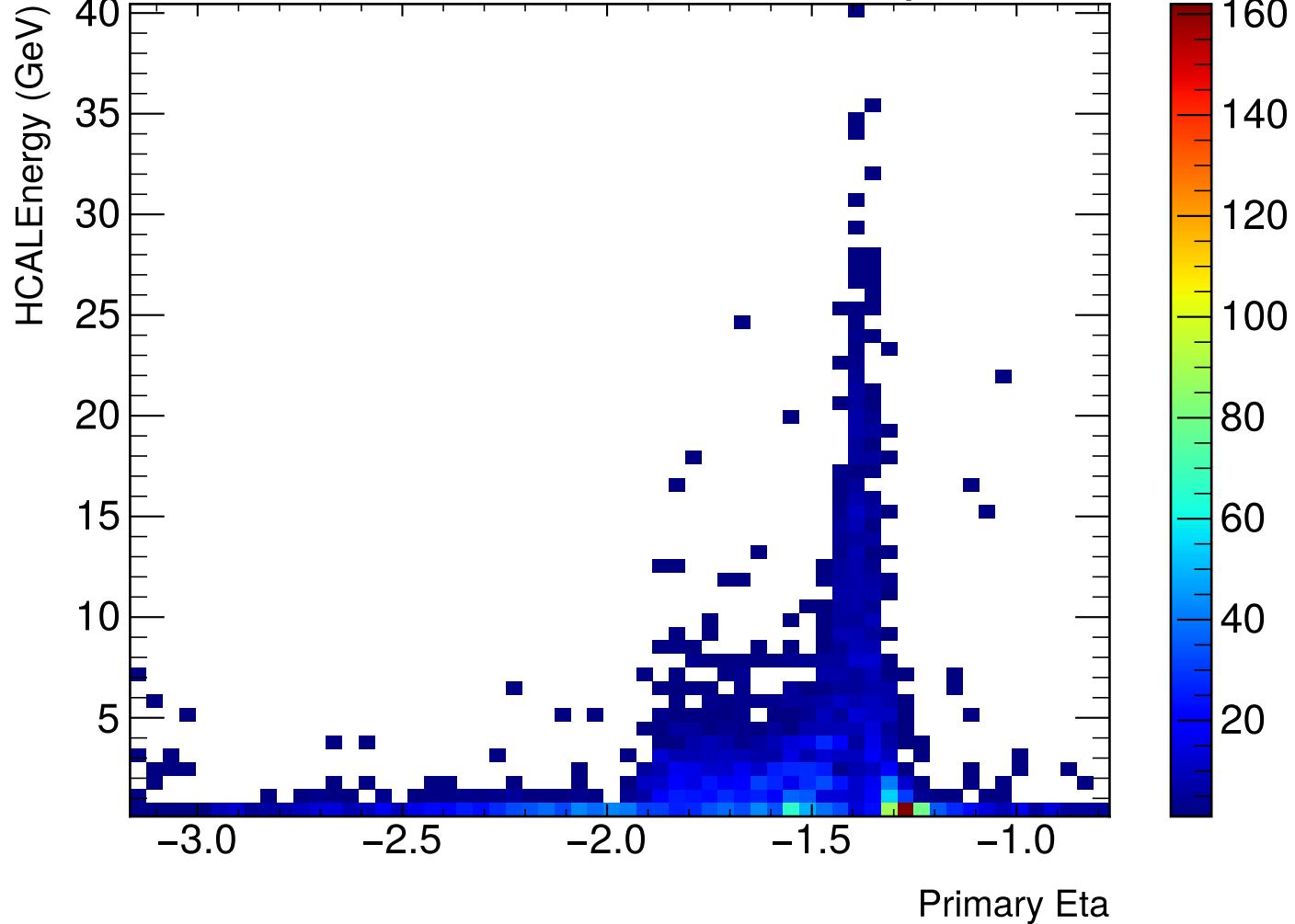
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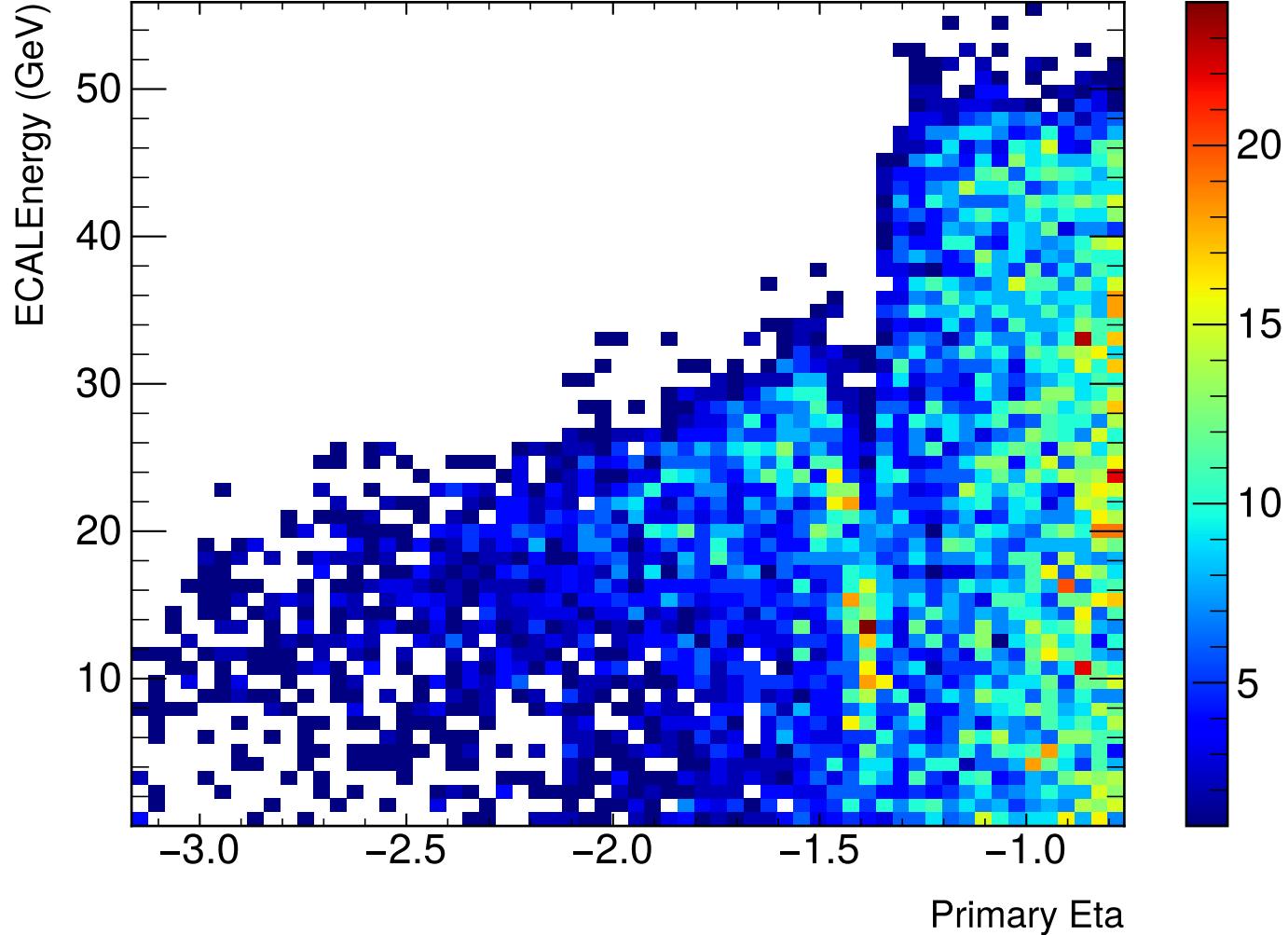
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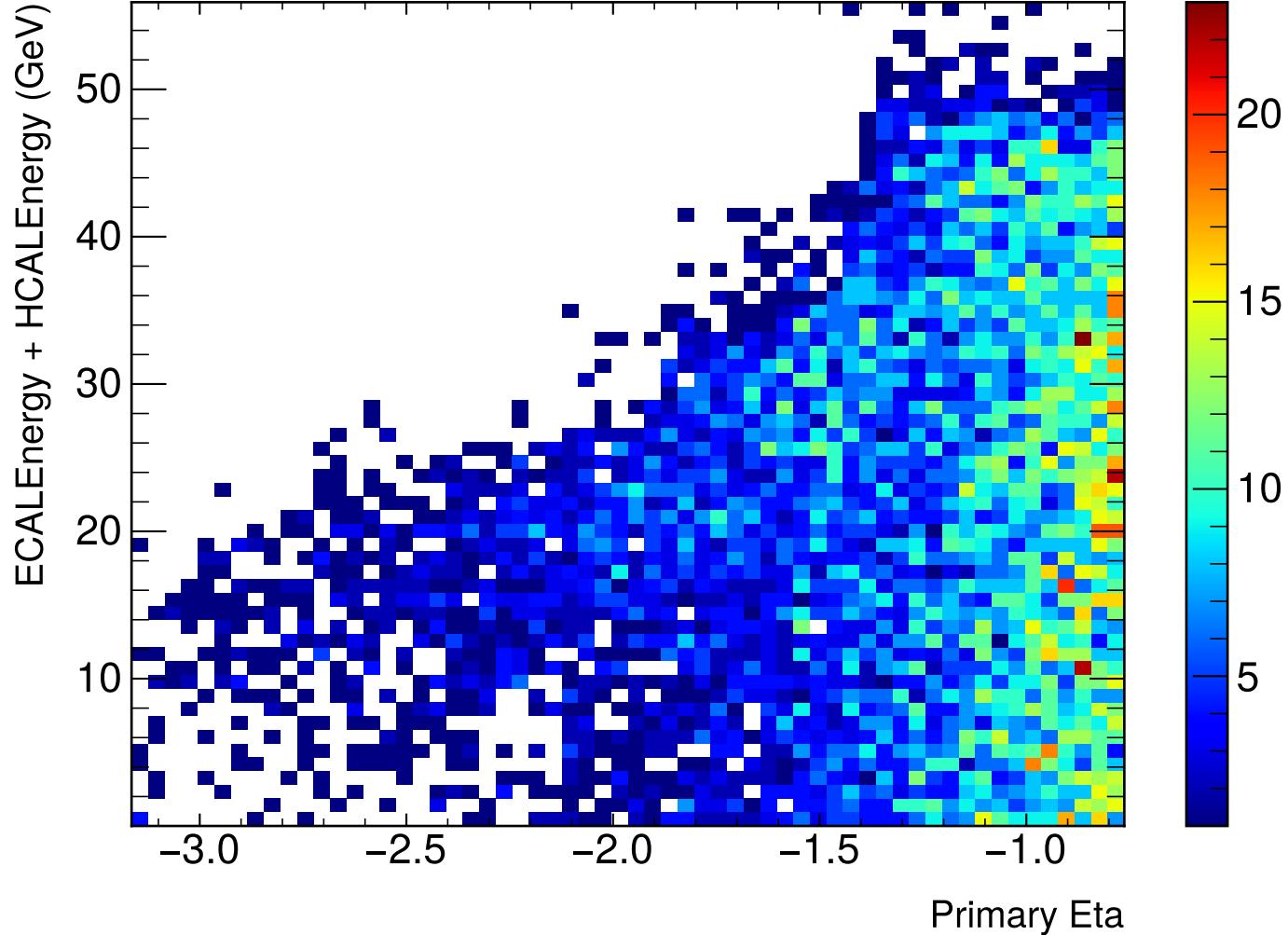
e-@50GeV spanning $-3.64 < \eta < -0.76$



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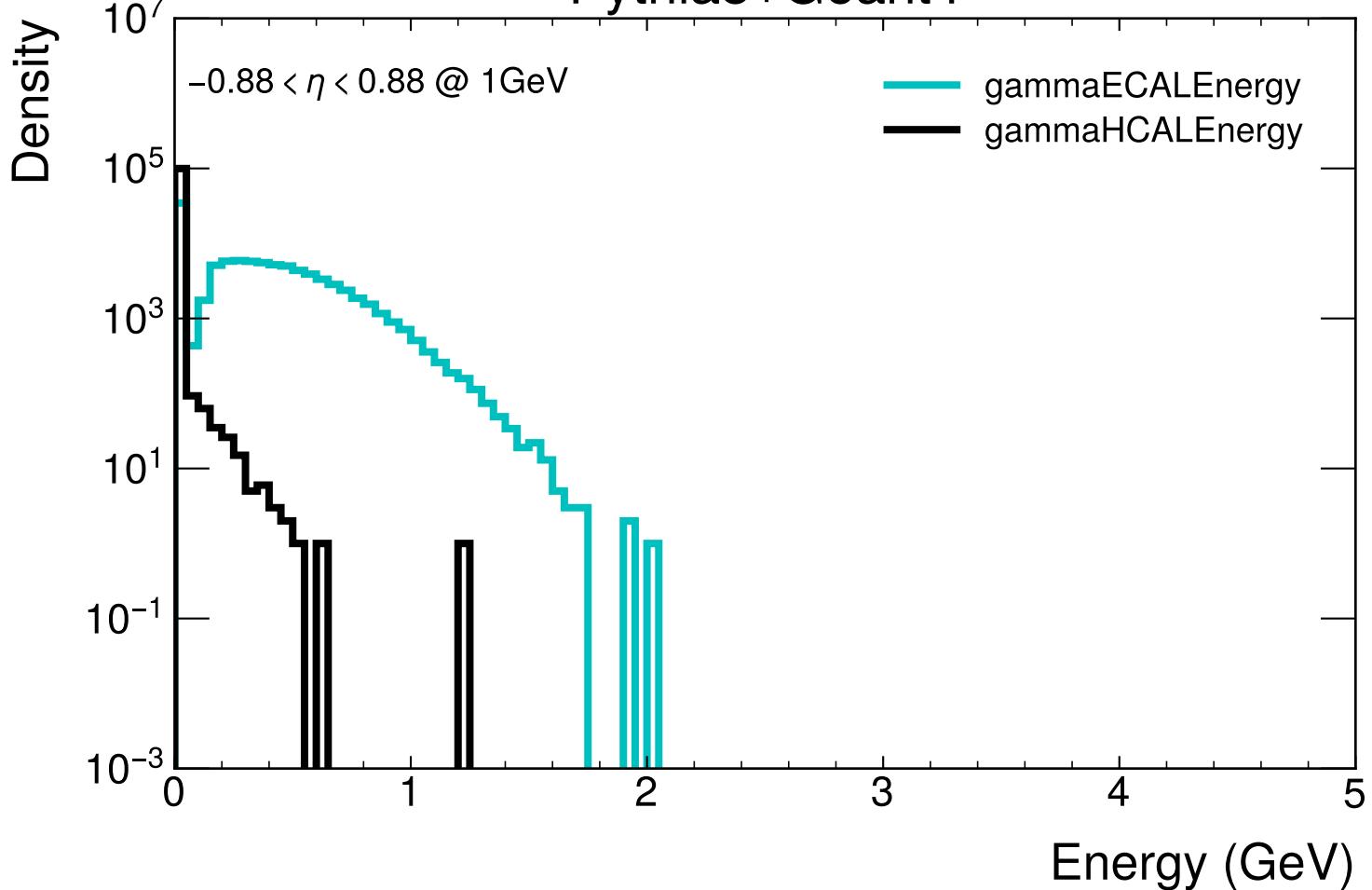


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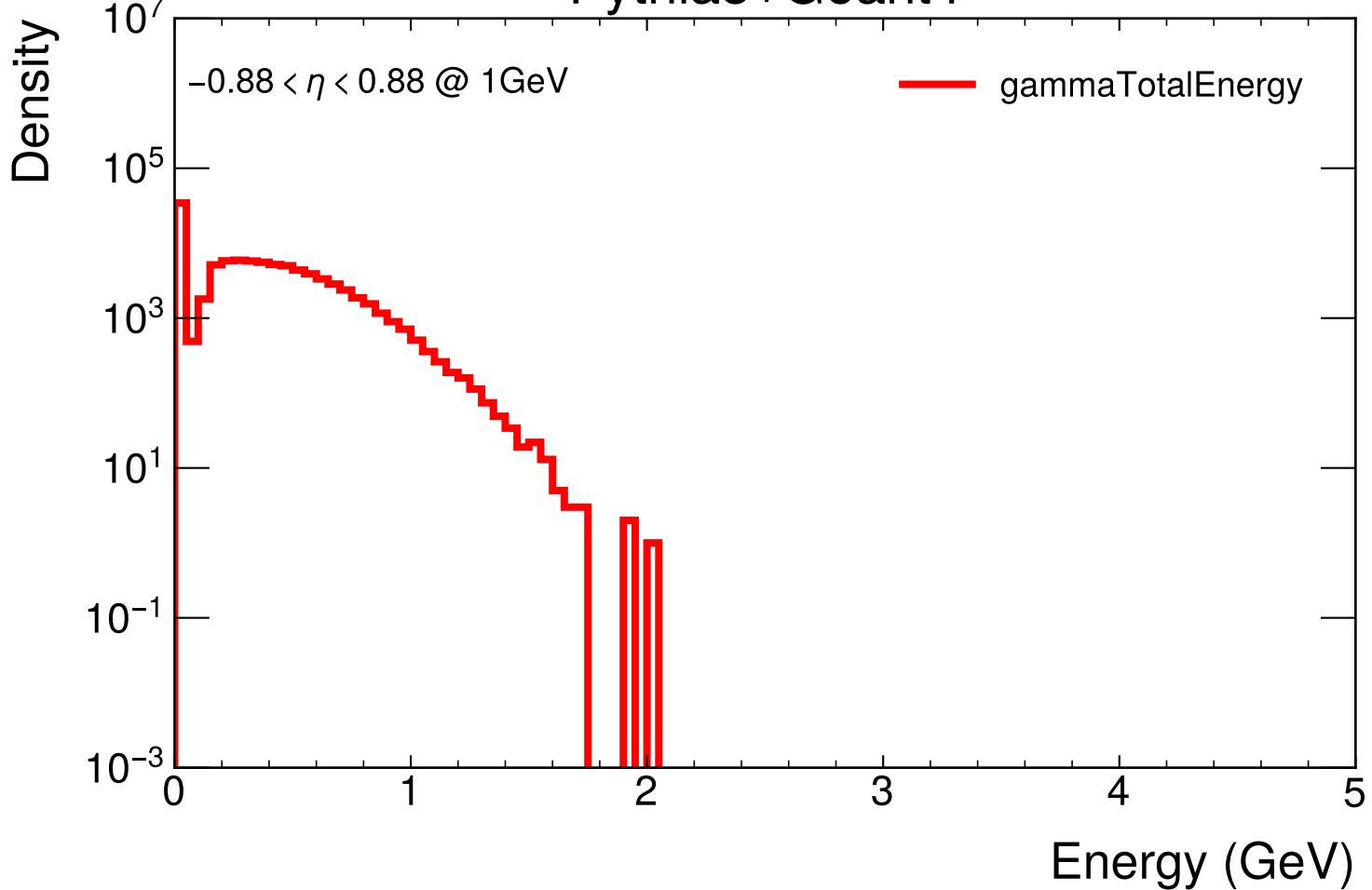
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Pythia8+Geant4

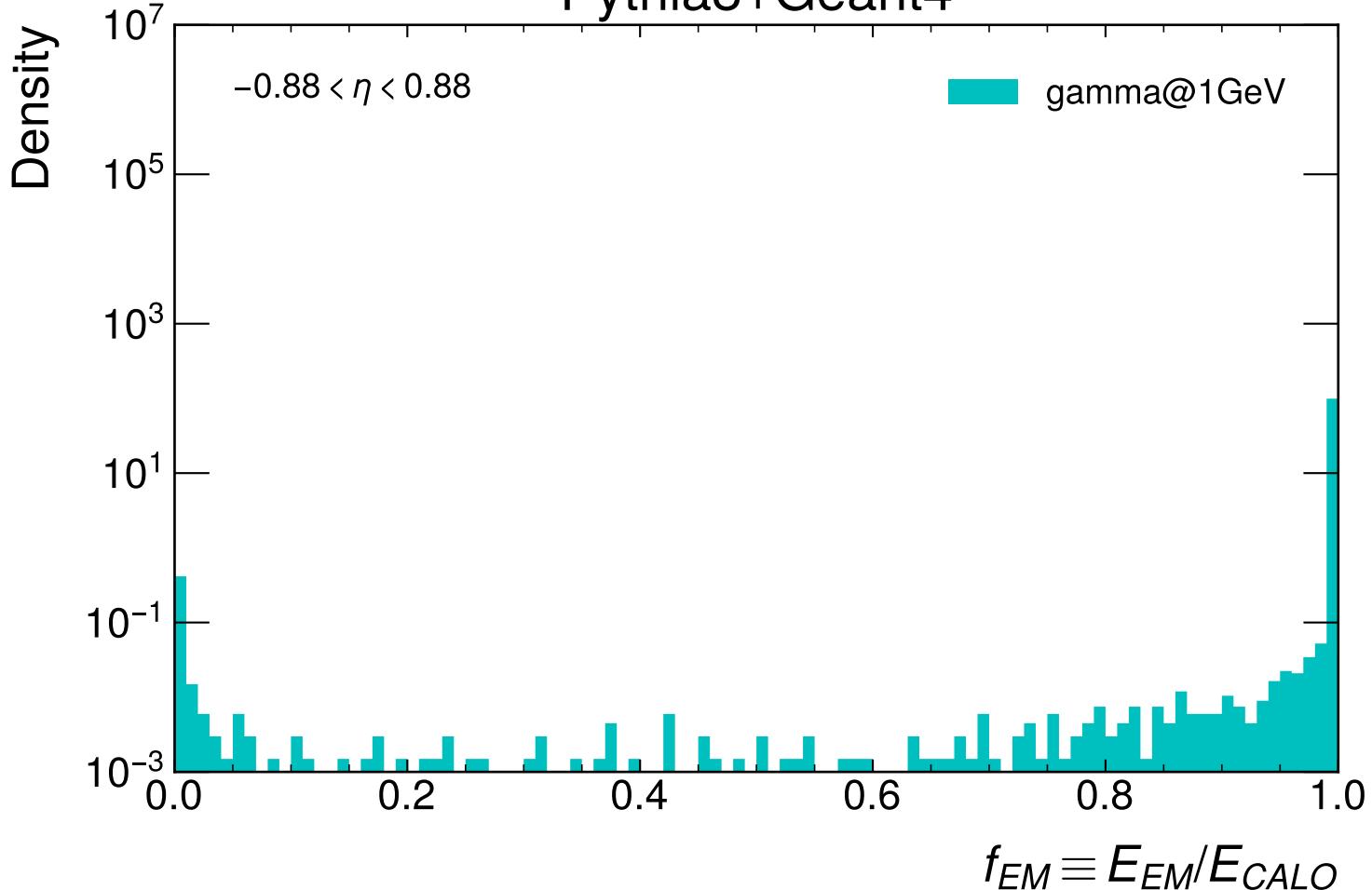


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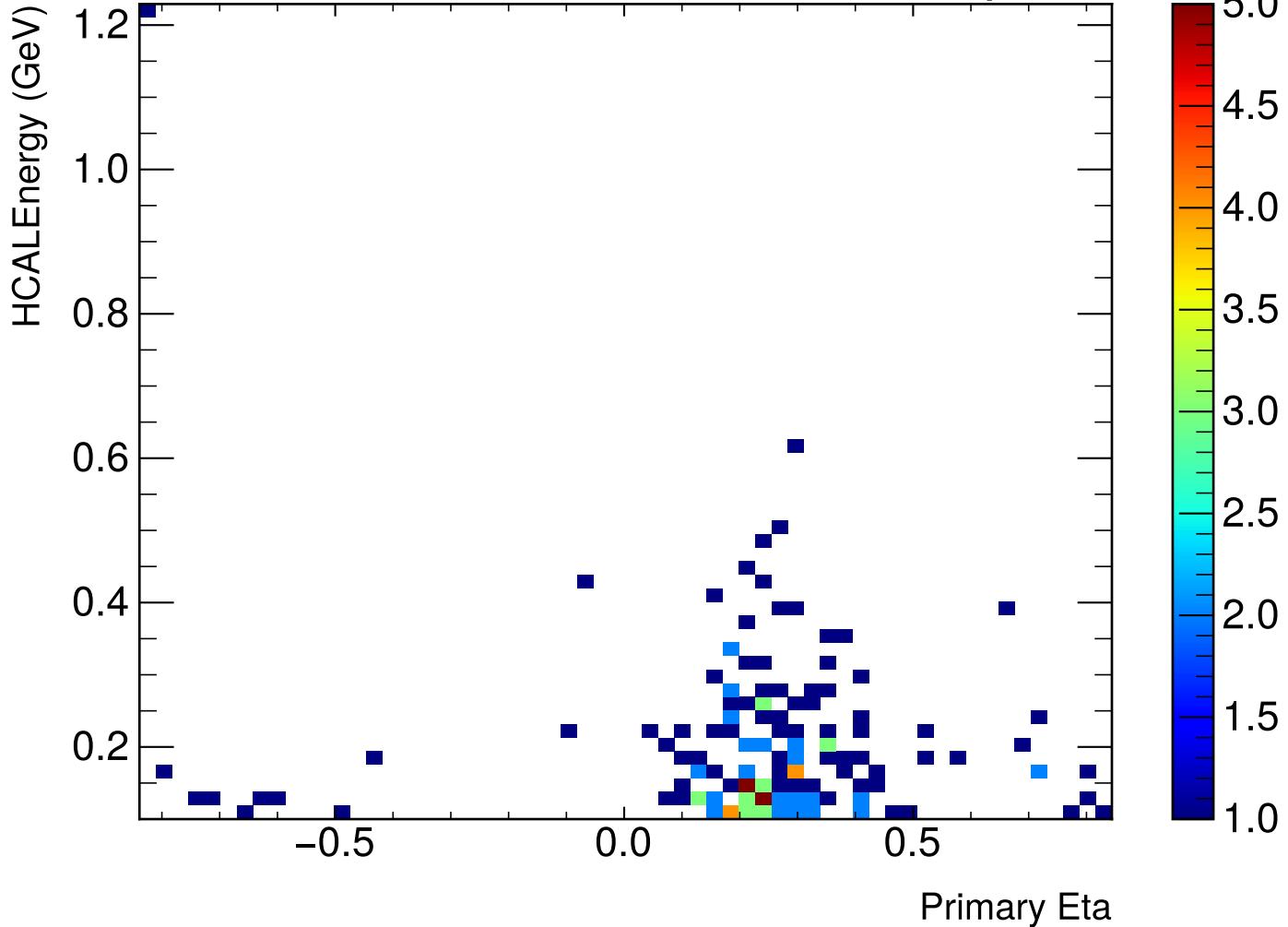
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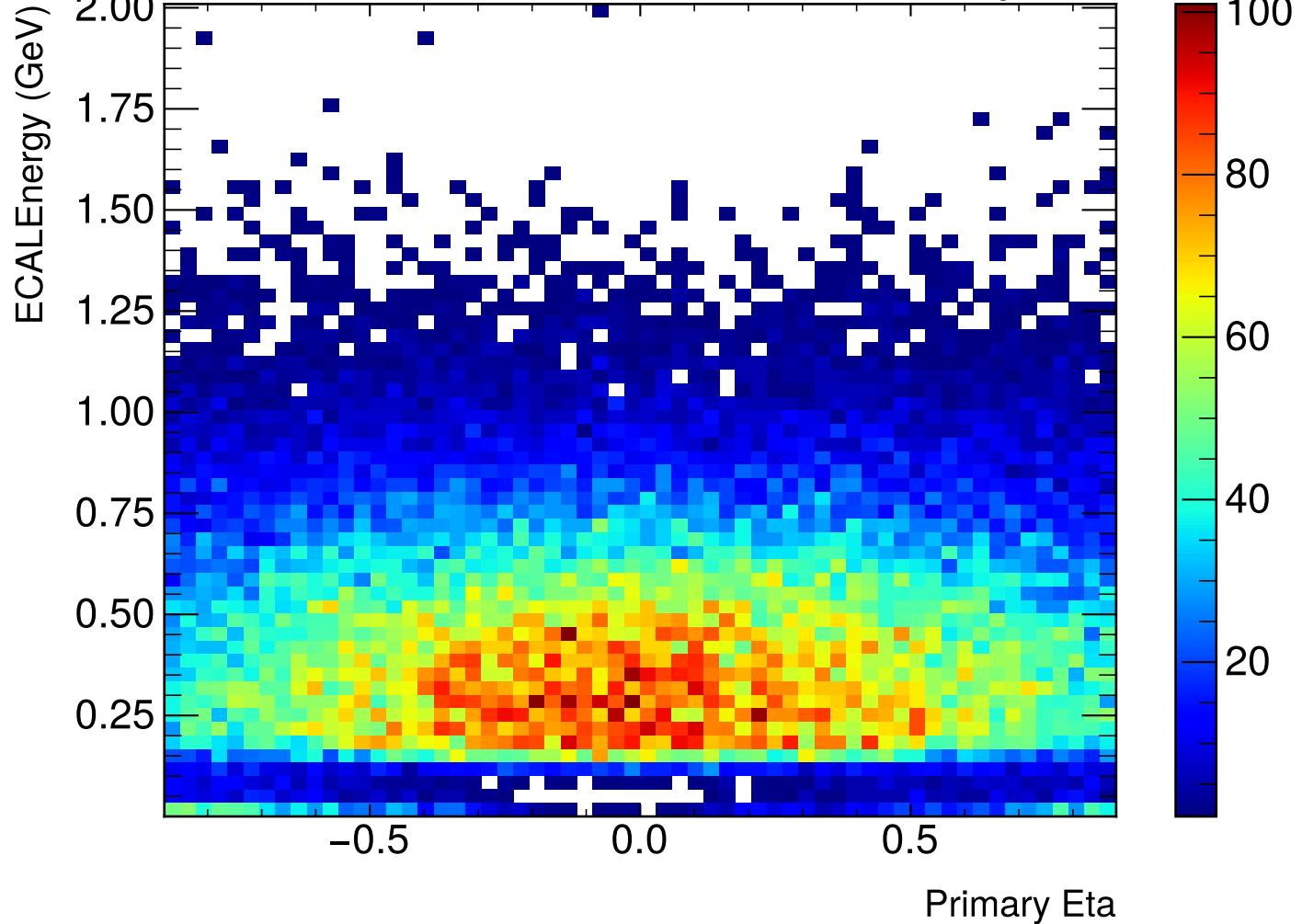
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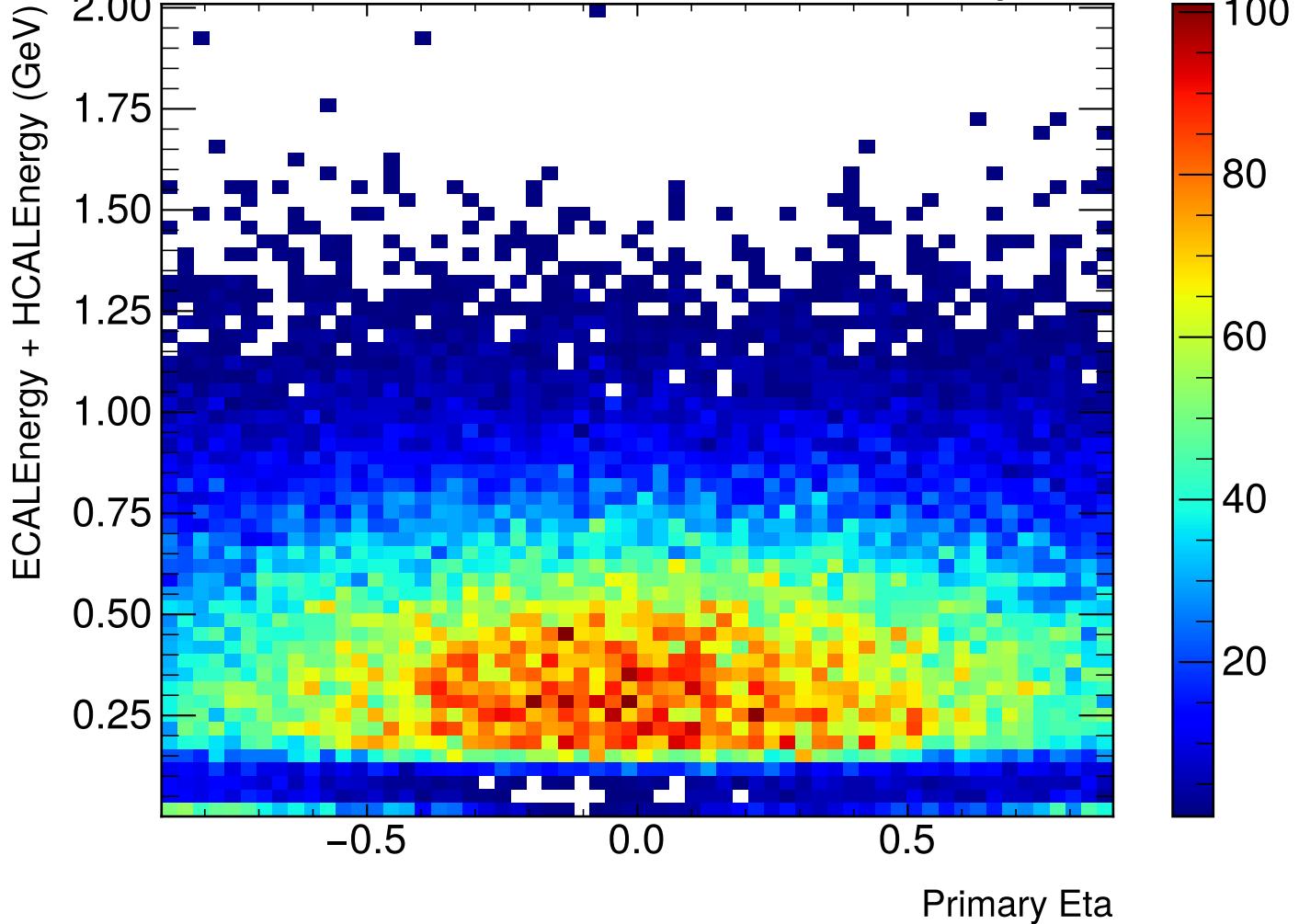
gamma@1GeV spanning $-0.88 < \eta < 0.88$



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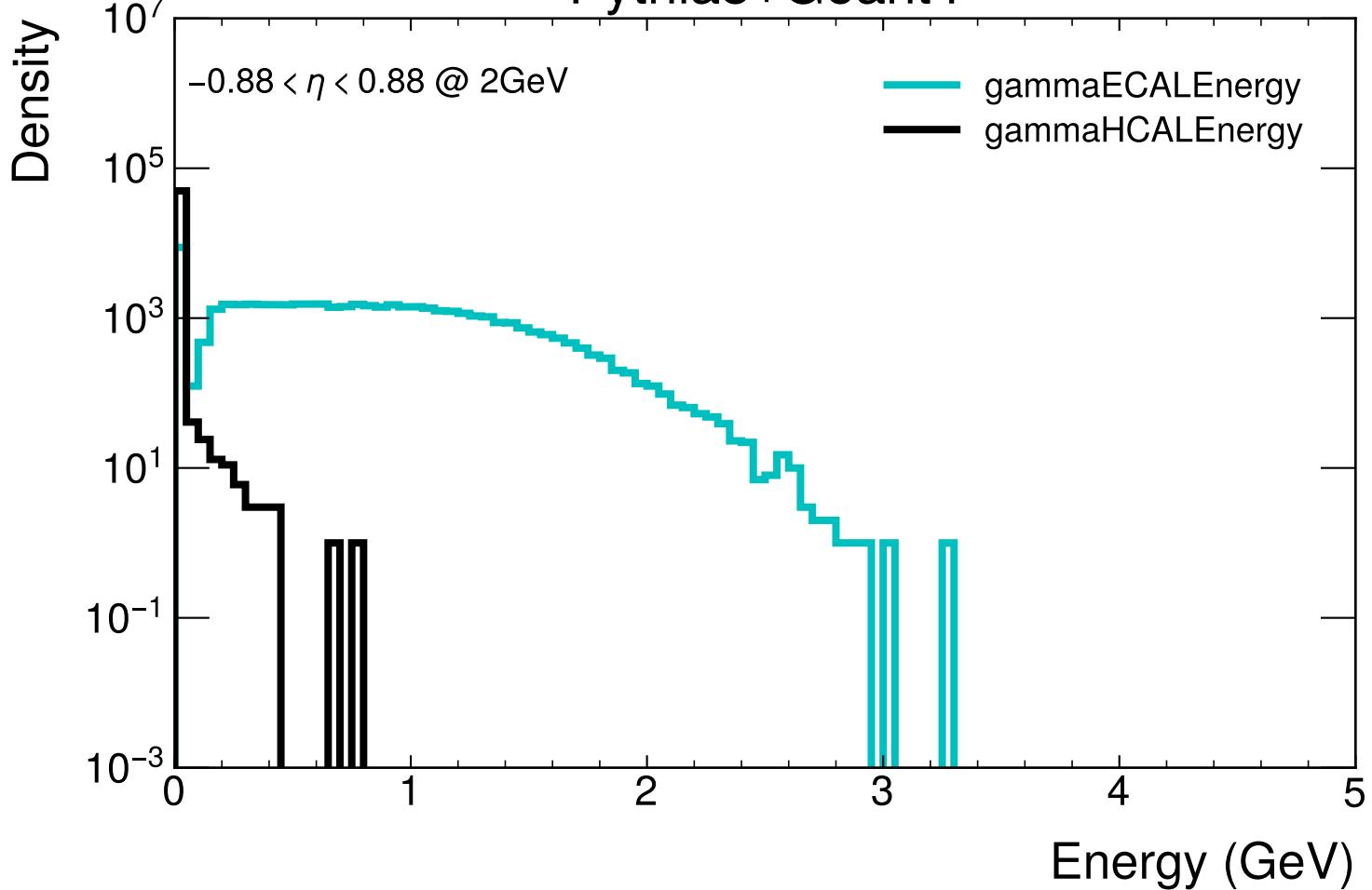


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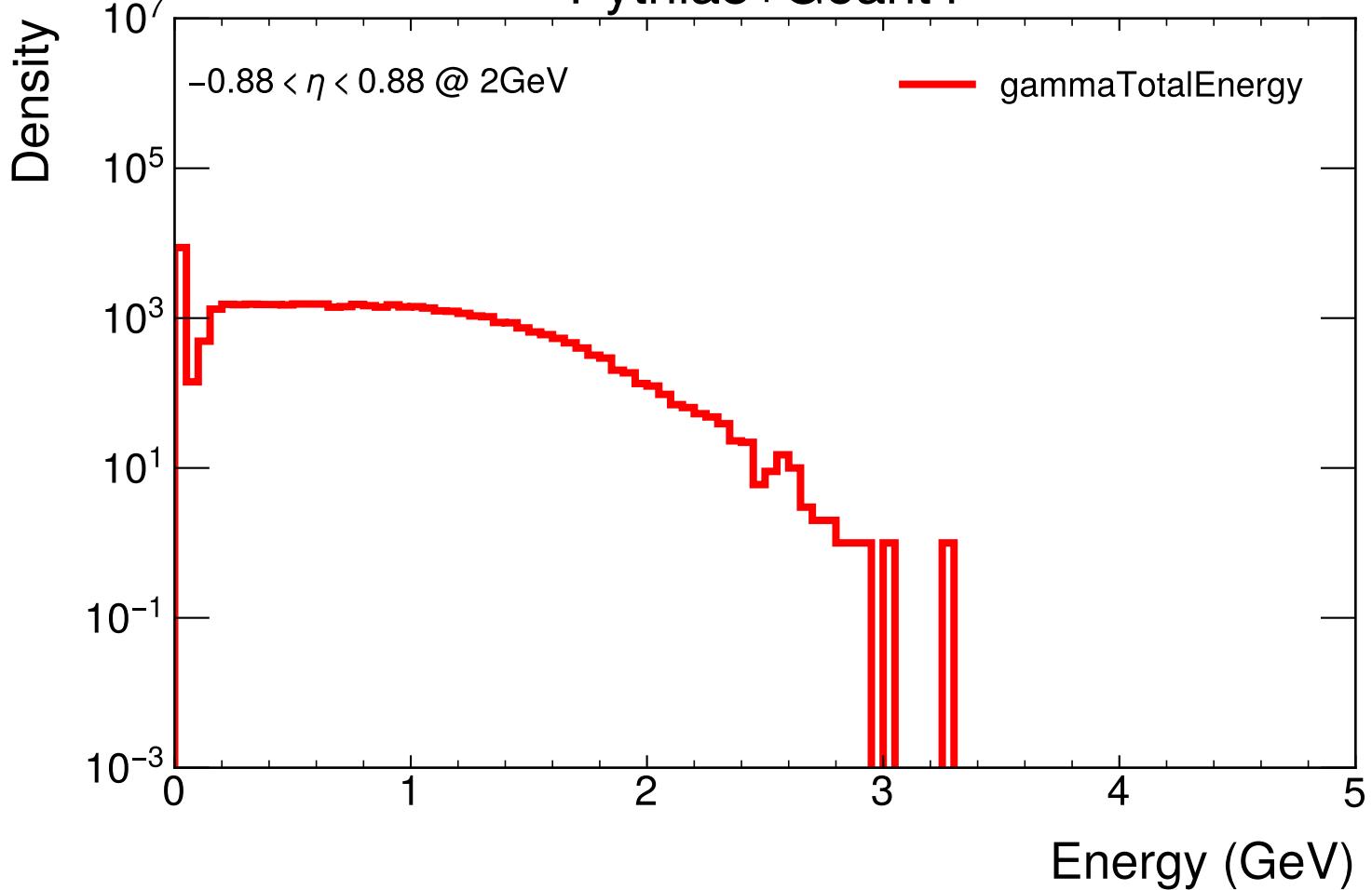
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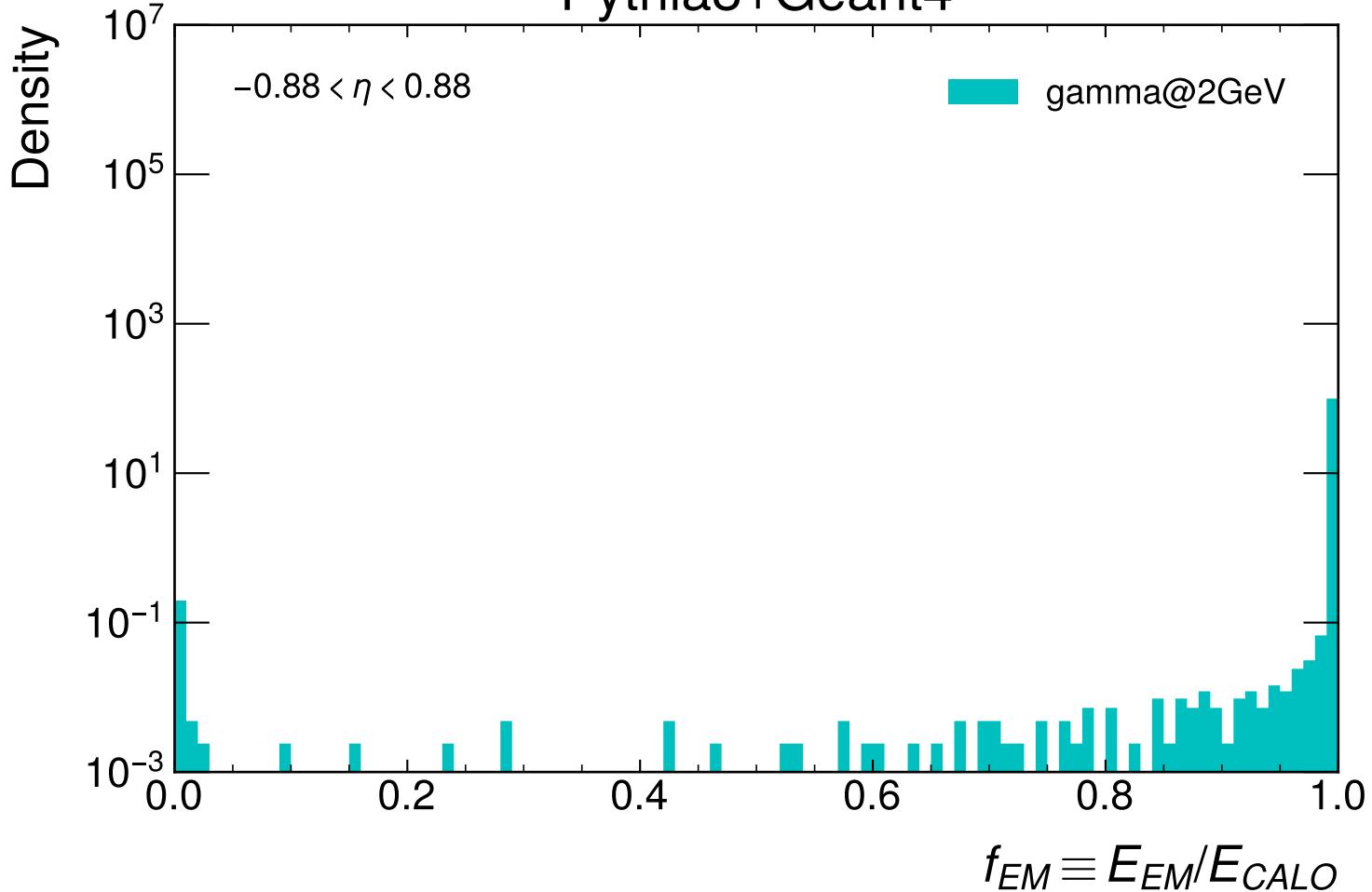


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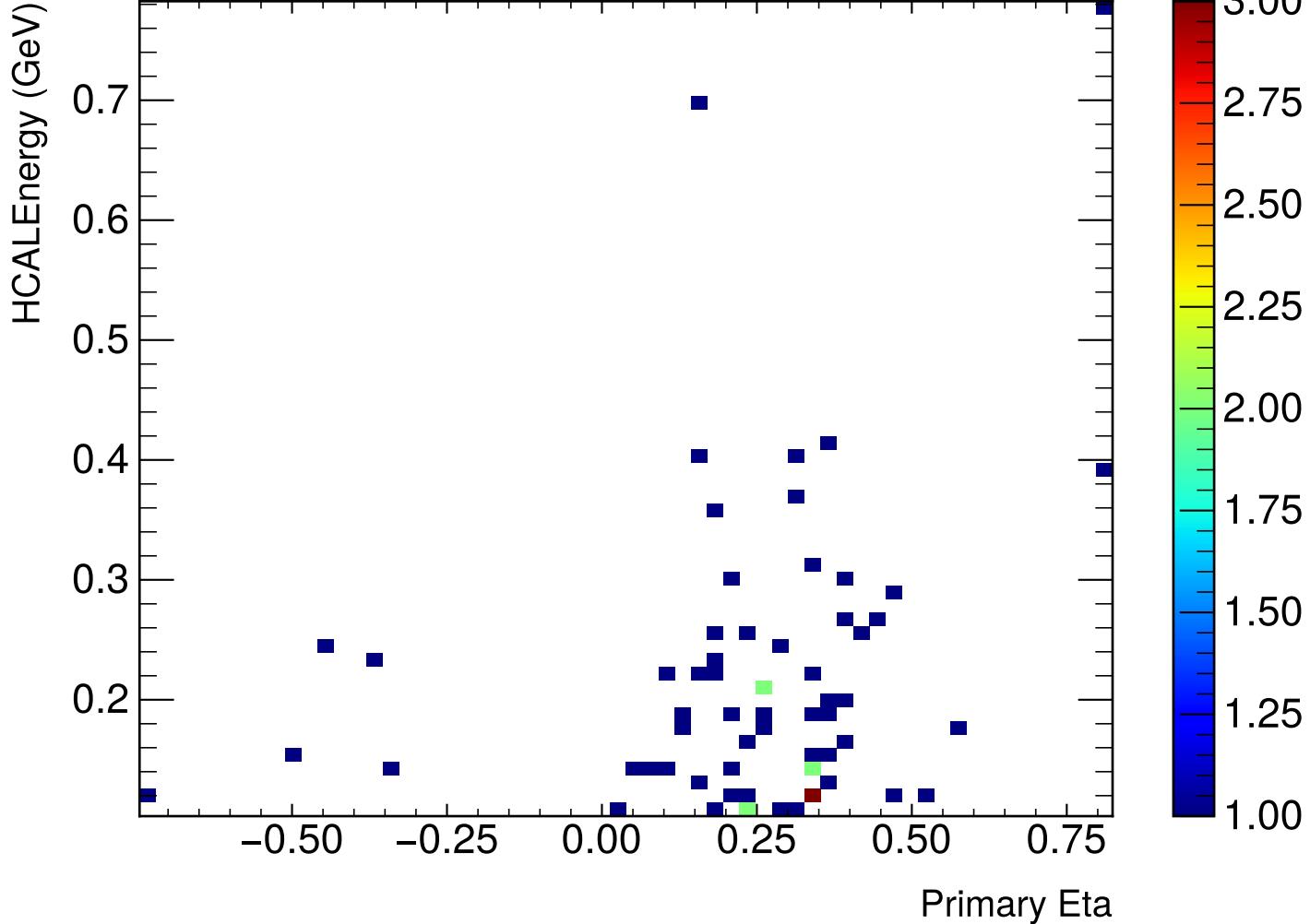
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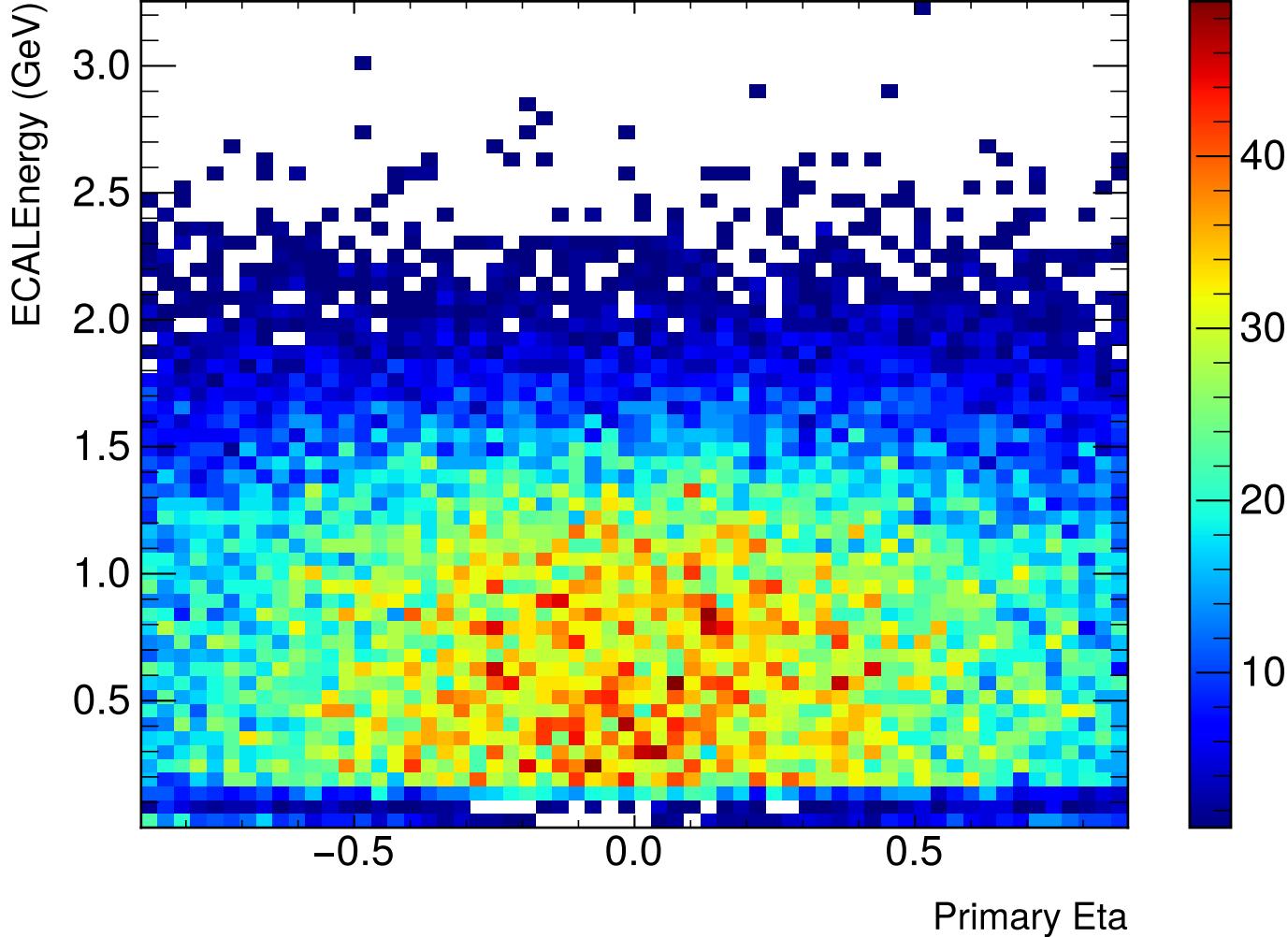
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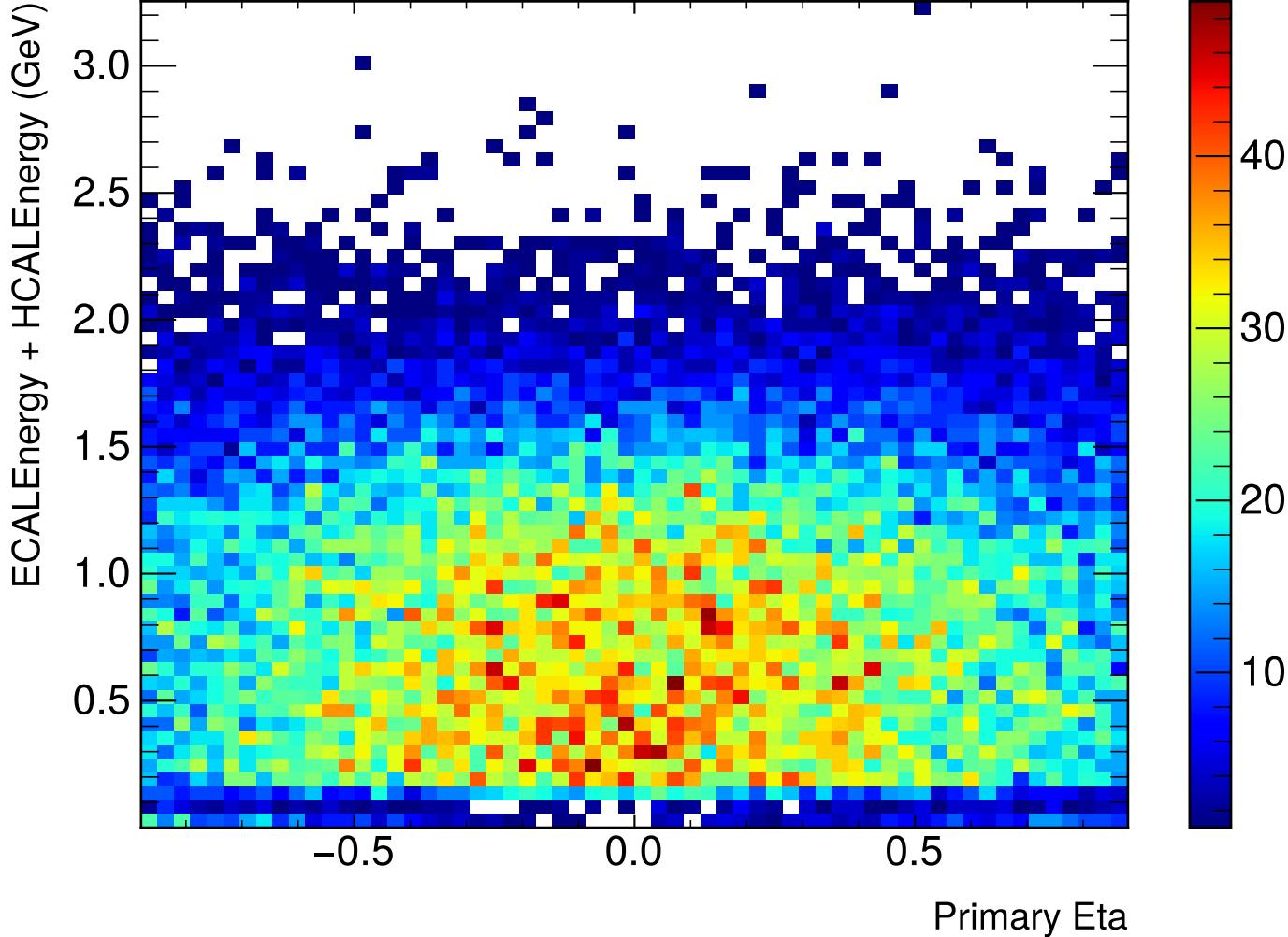
gamma@2GeV spanning $-0.88 < \eta < 0.88$



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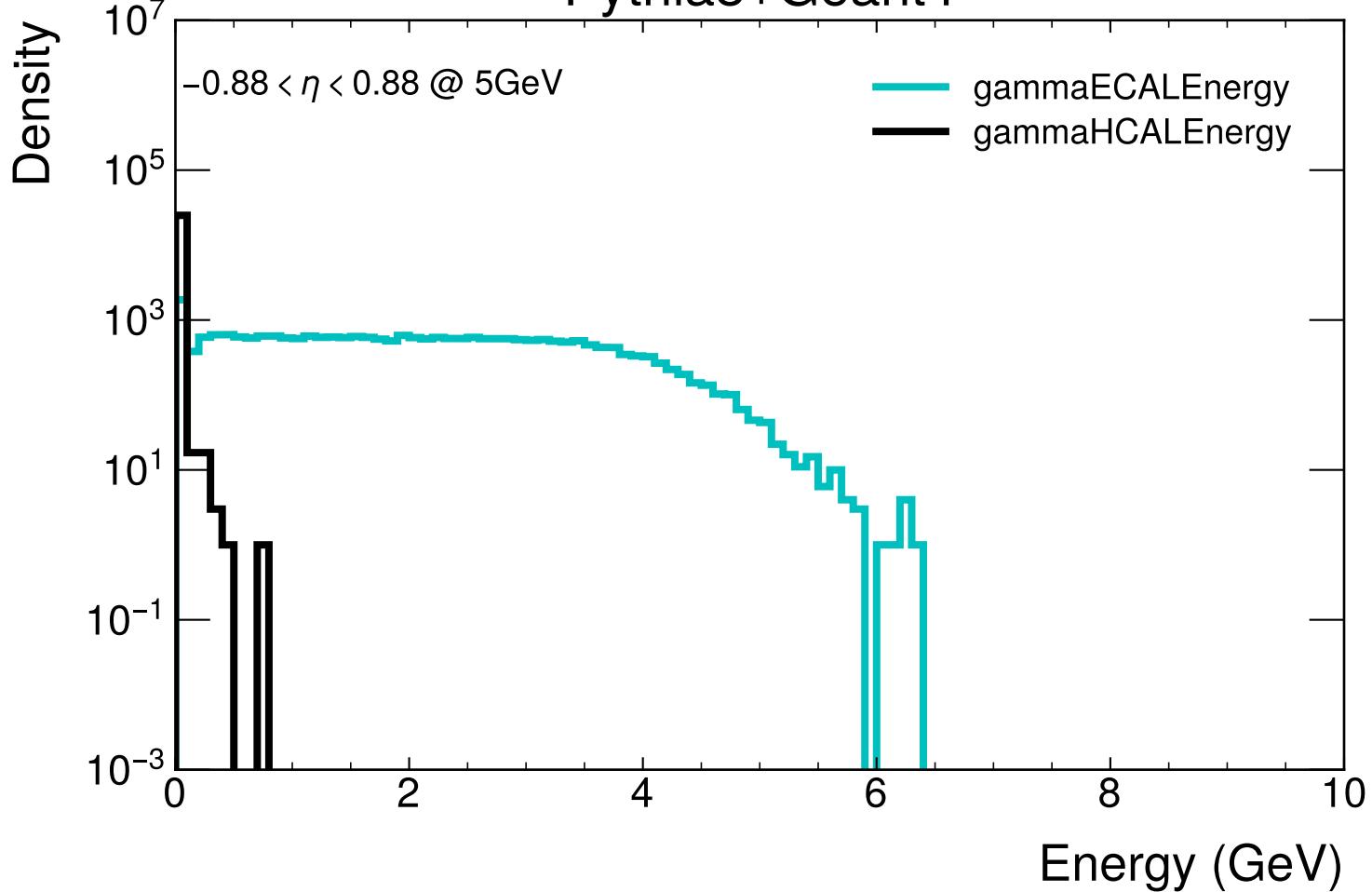


gamma@2GeV spanning $-0.88 < \eta < 0.88$



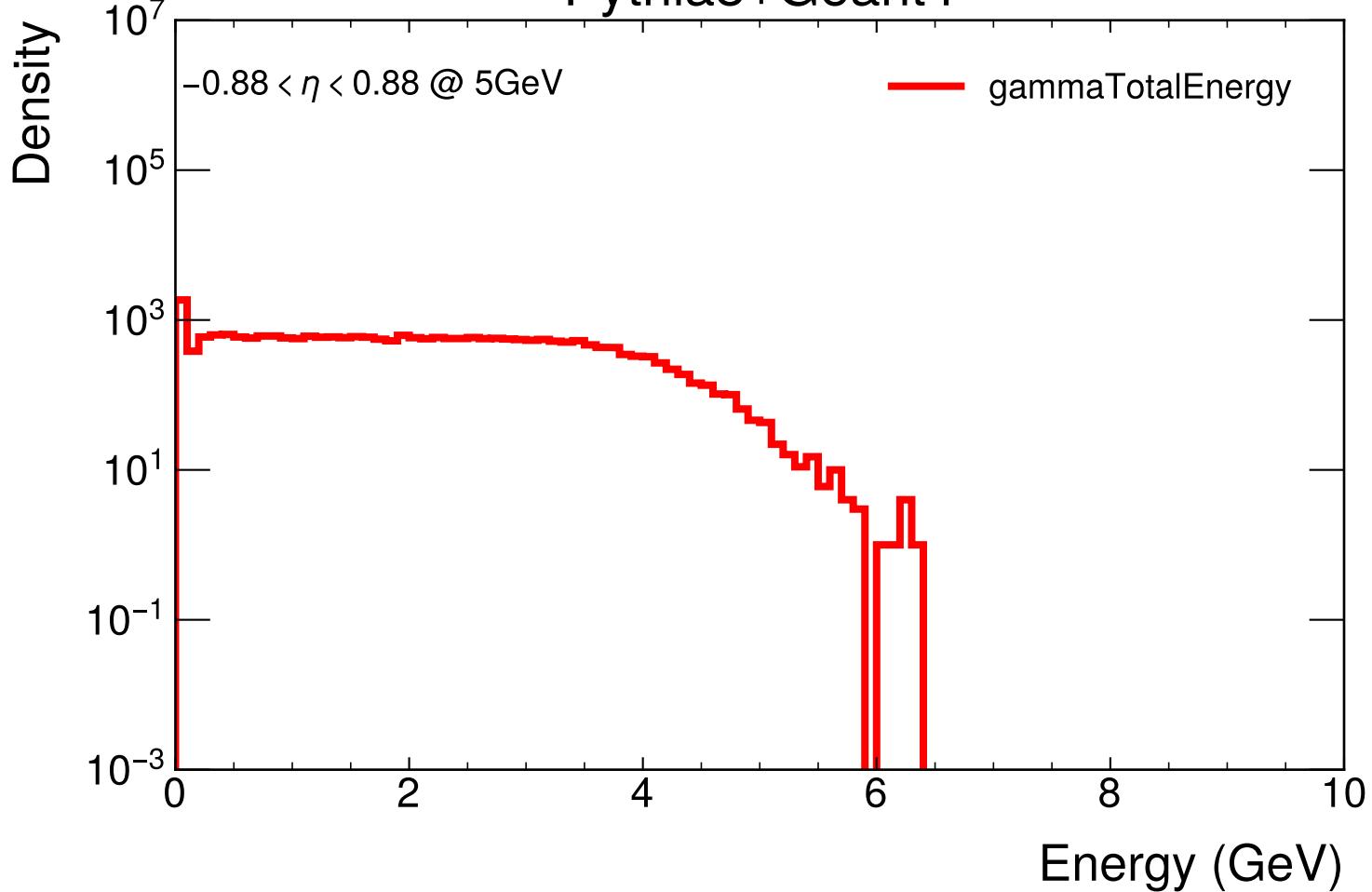
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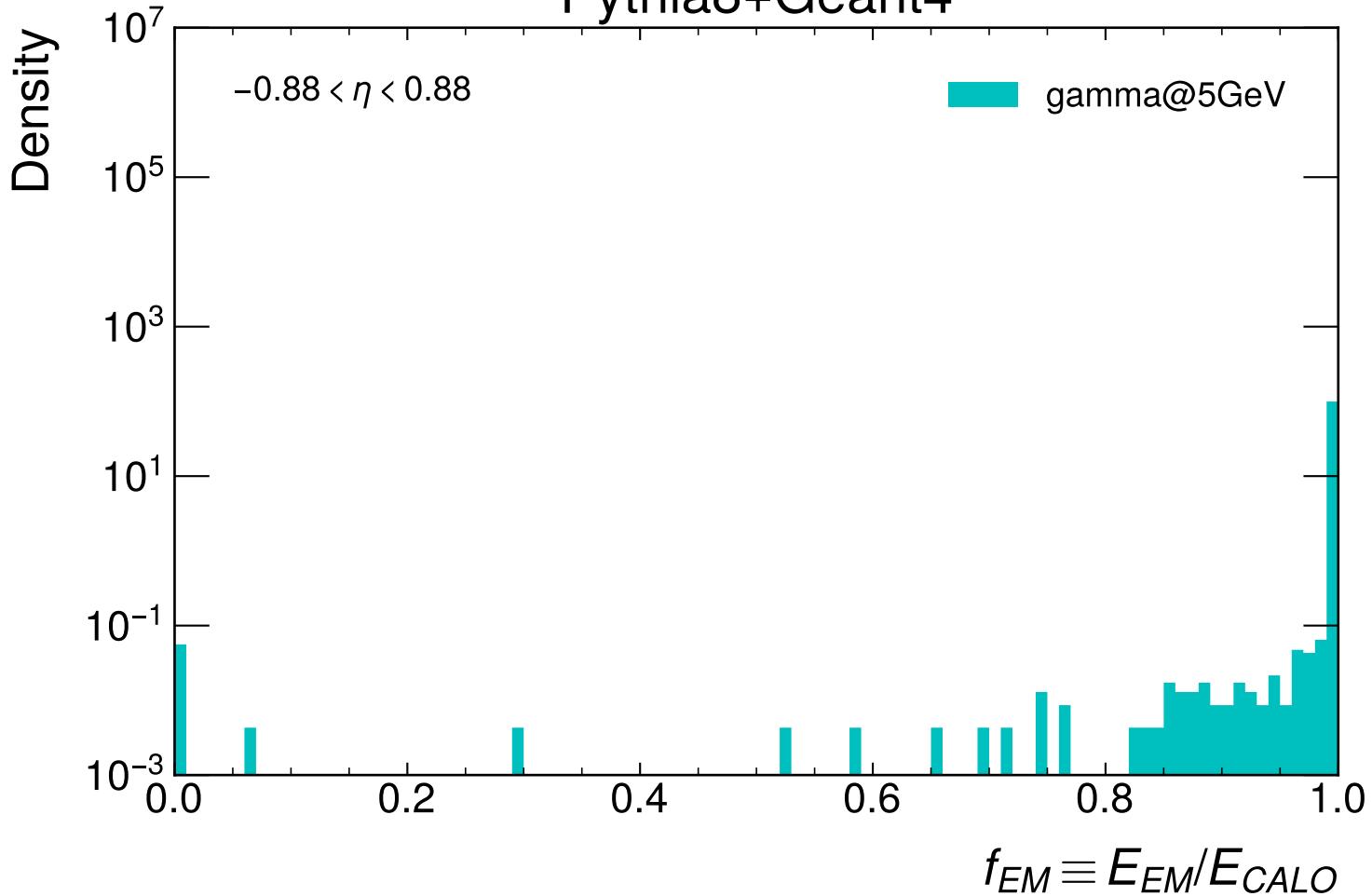


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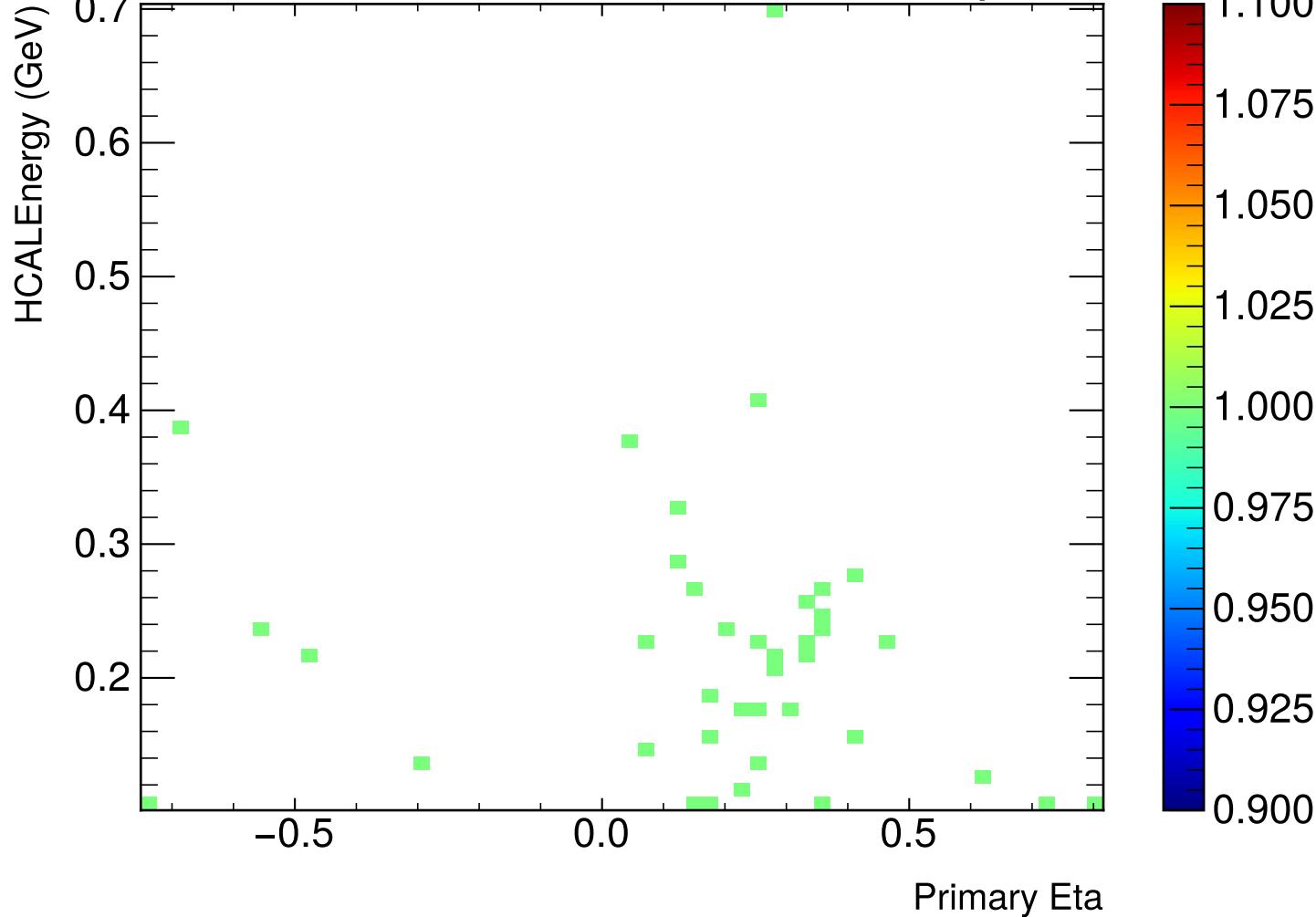
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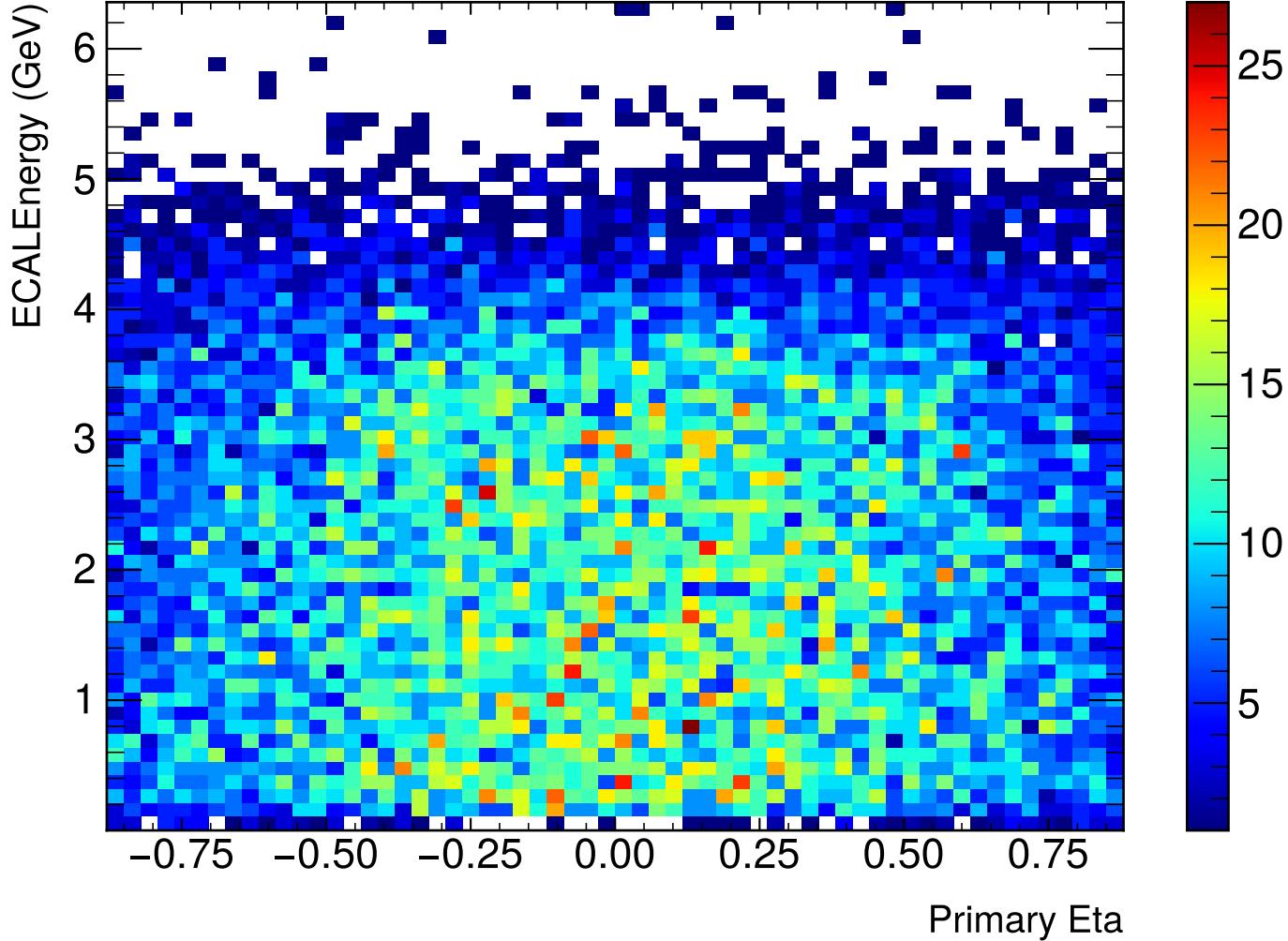
ATHENA simulation [DD4hep] Pythia8+Geant4



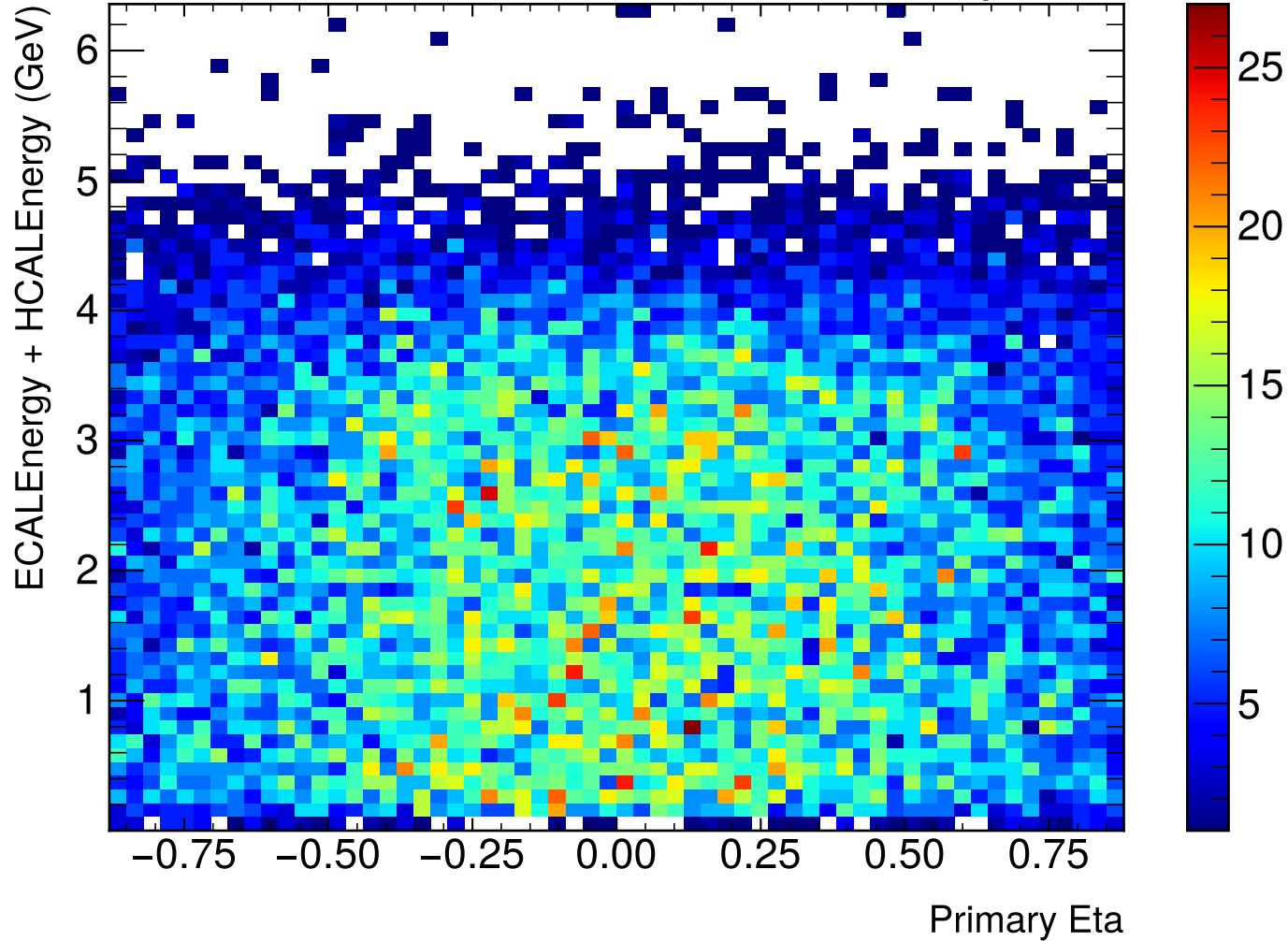
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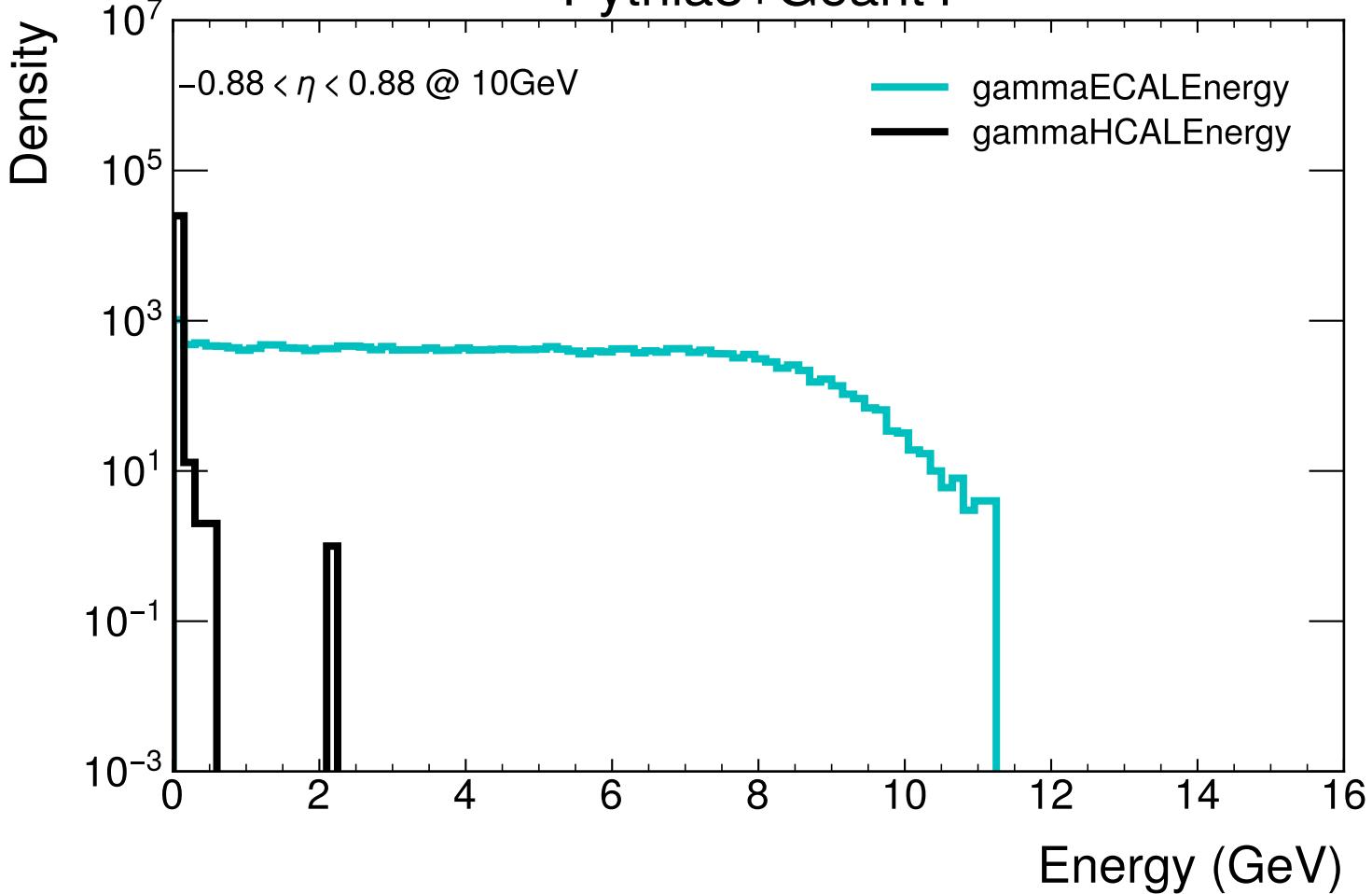


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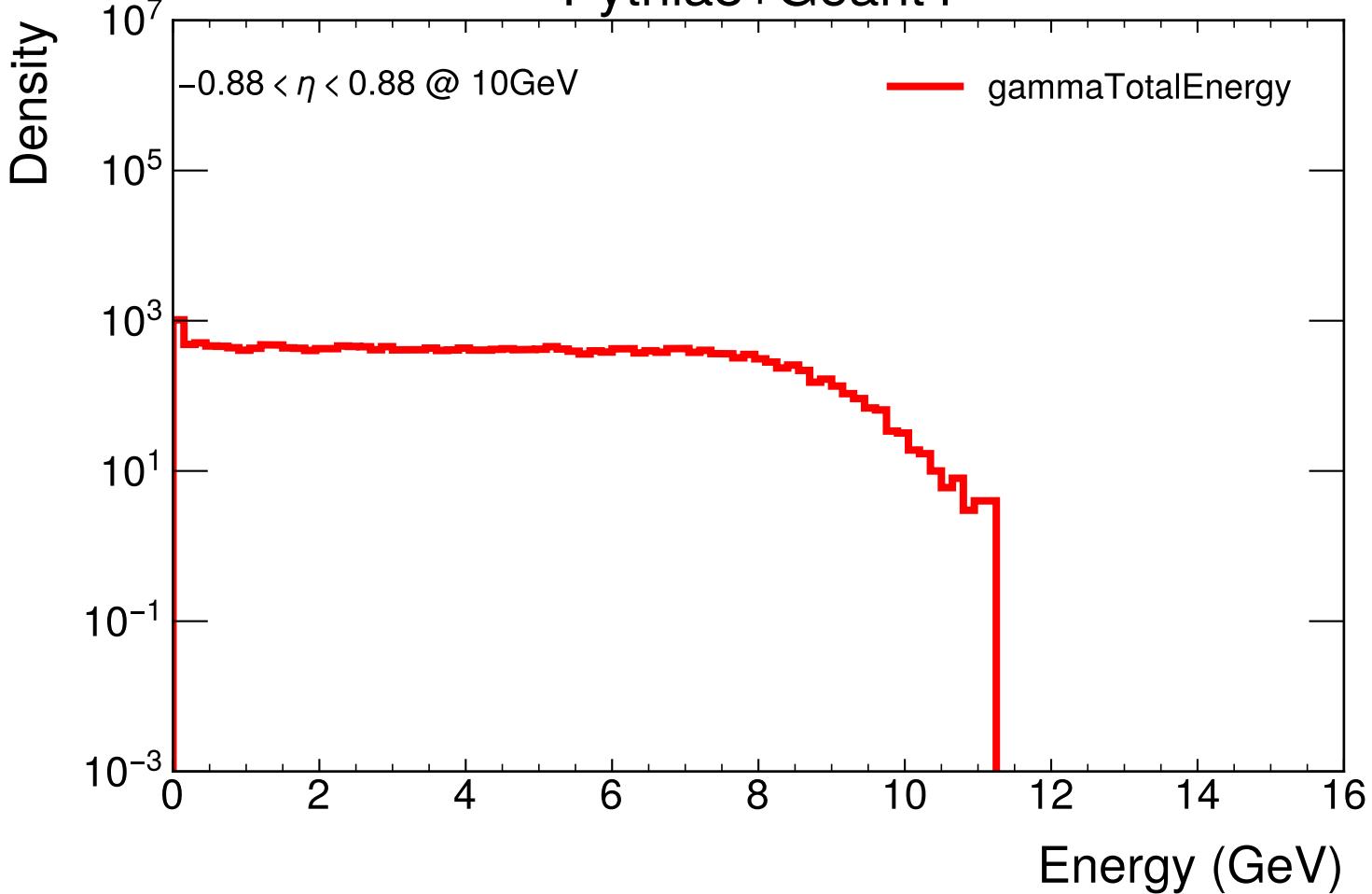
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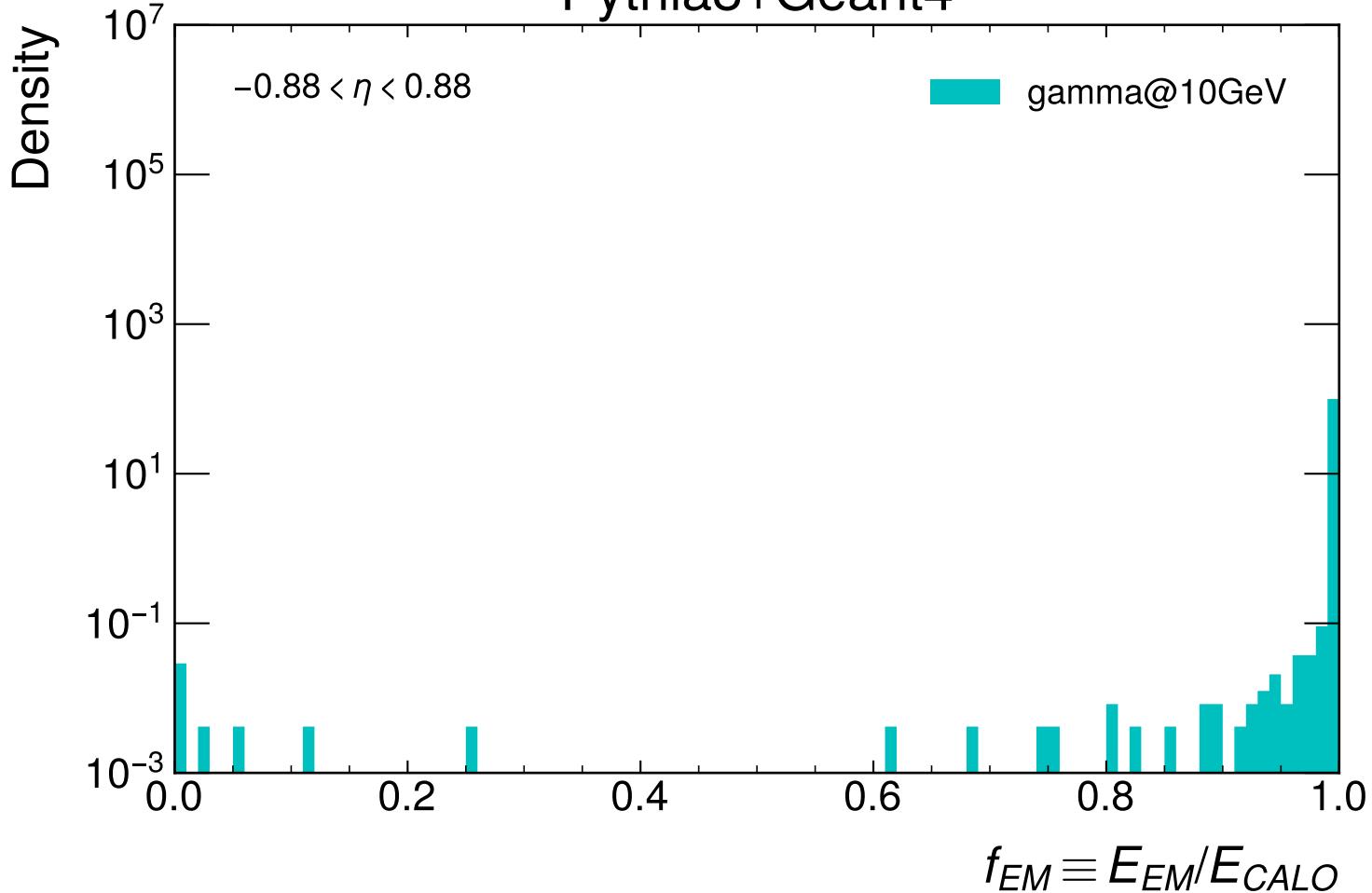


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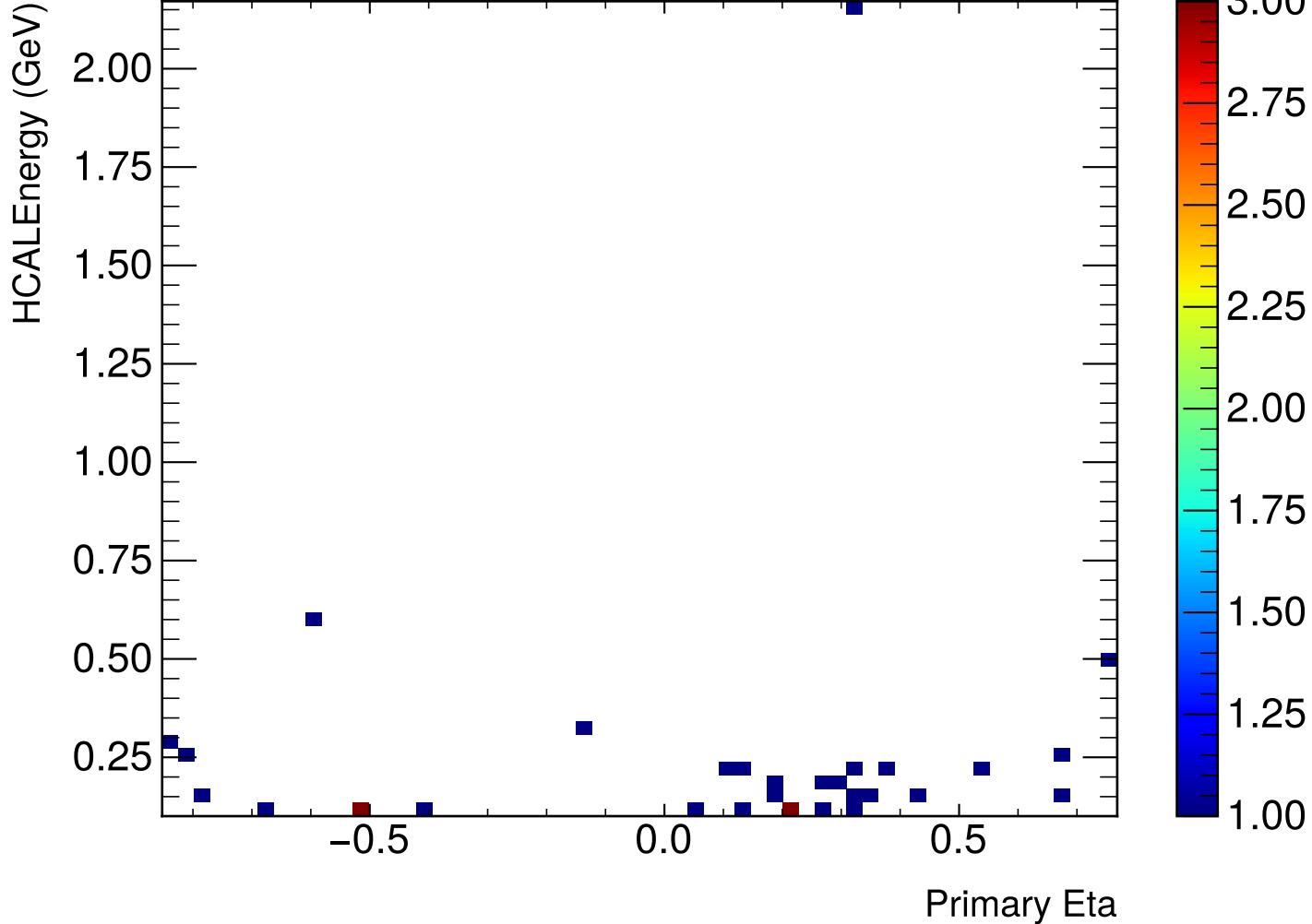
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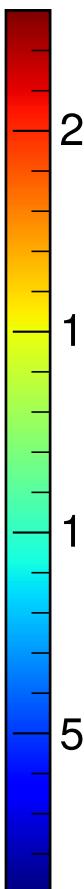
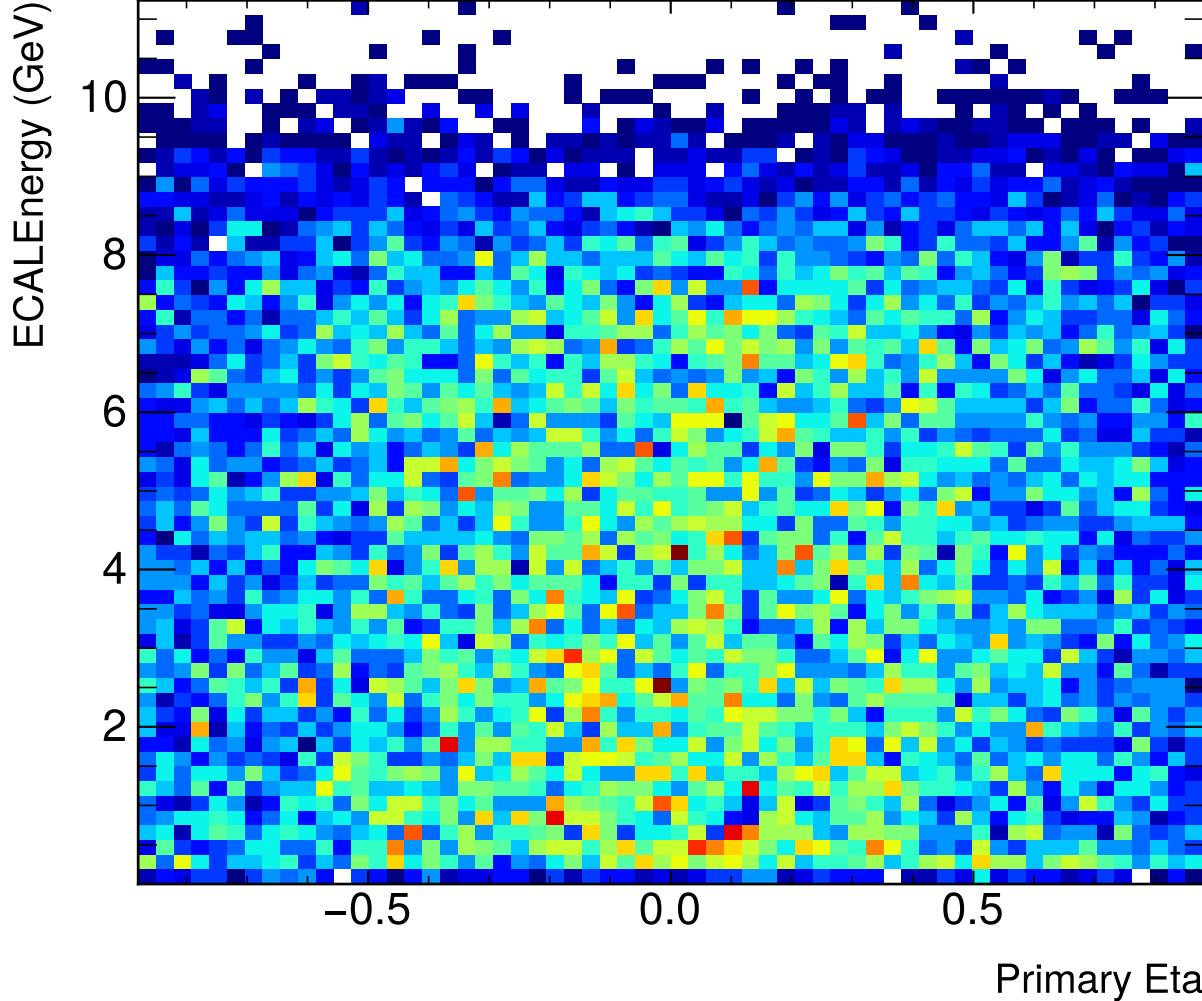
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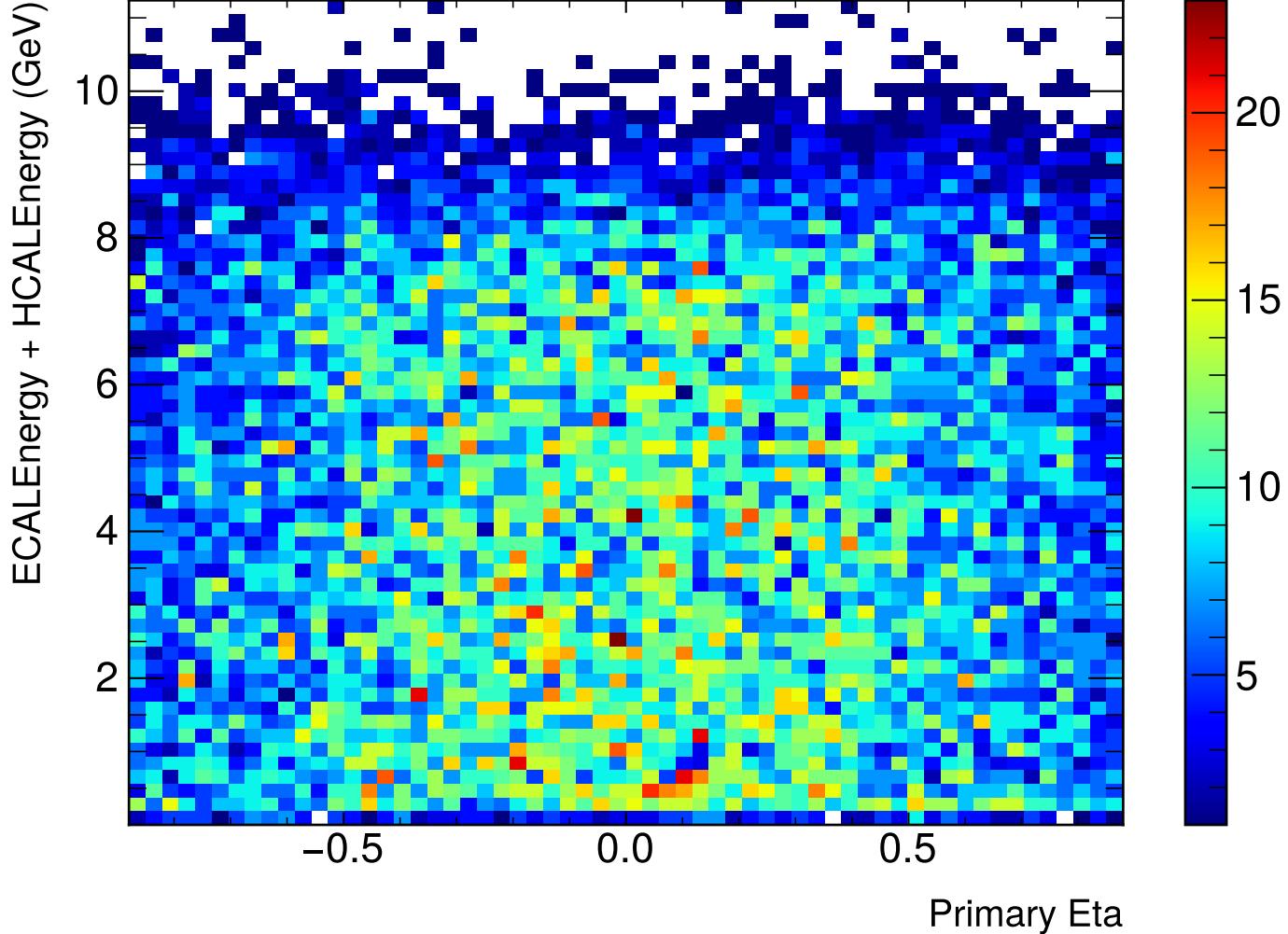
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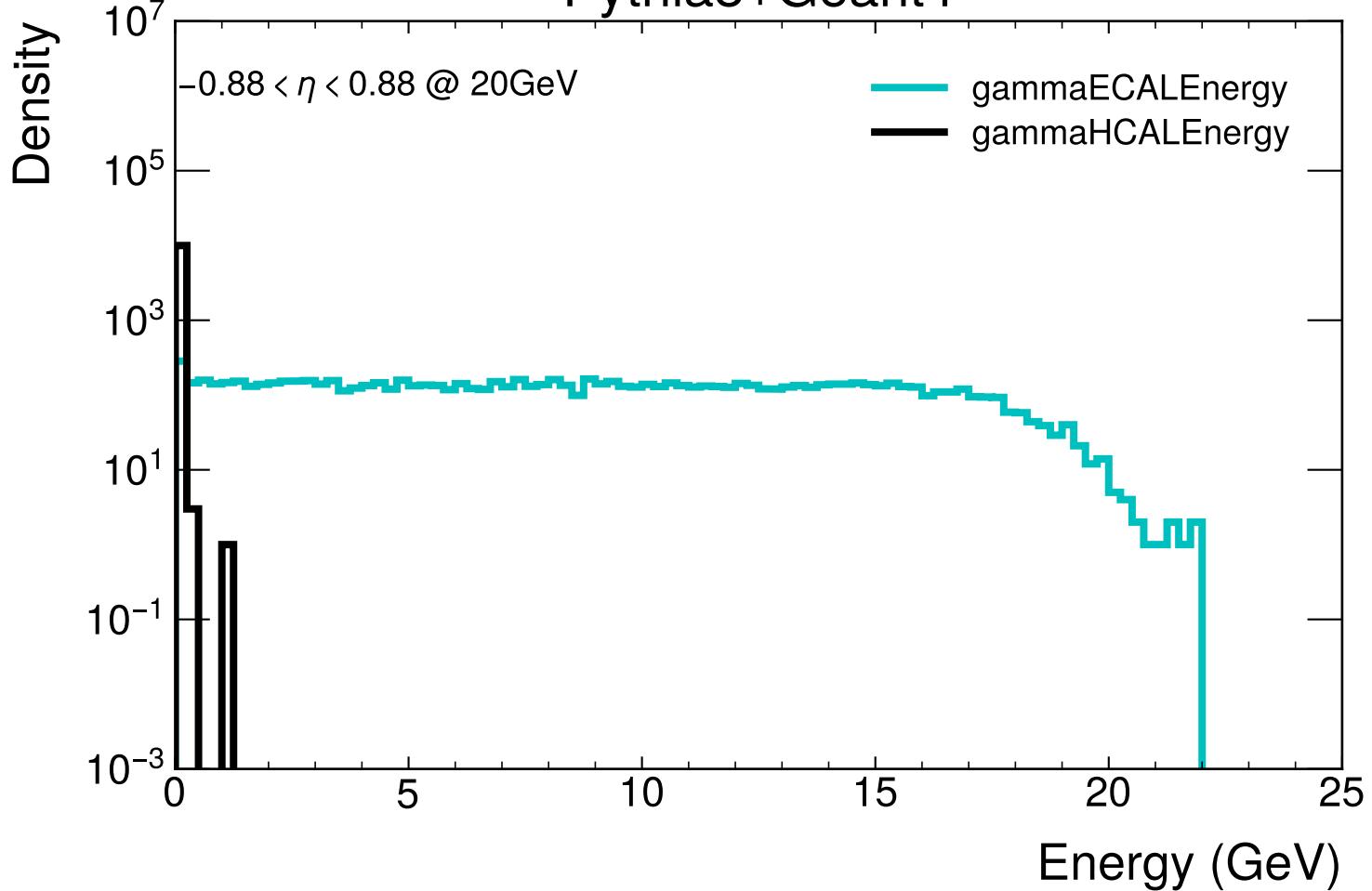


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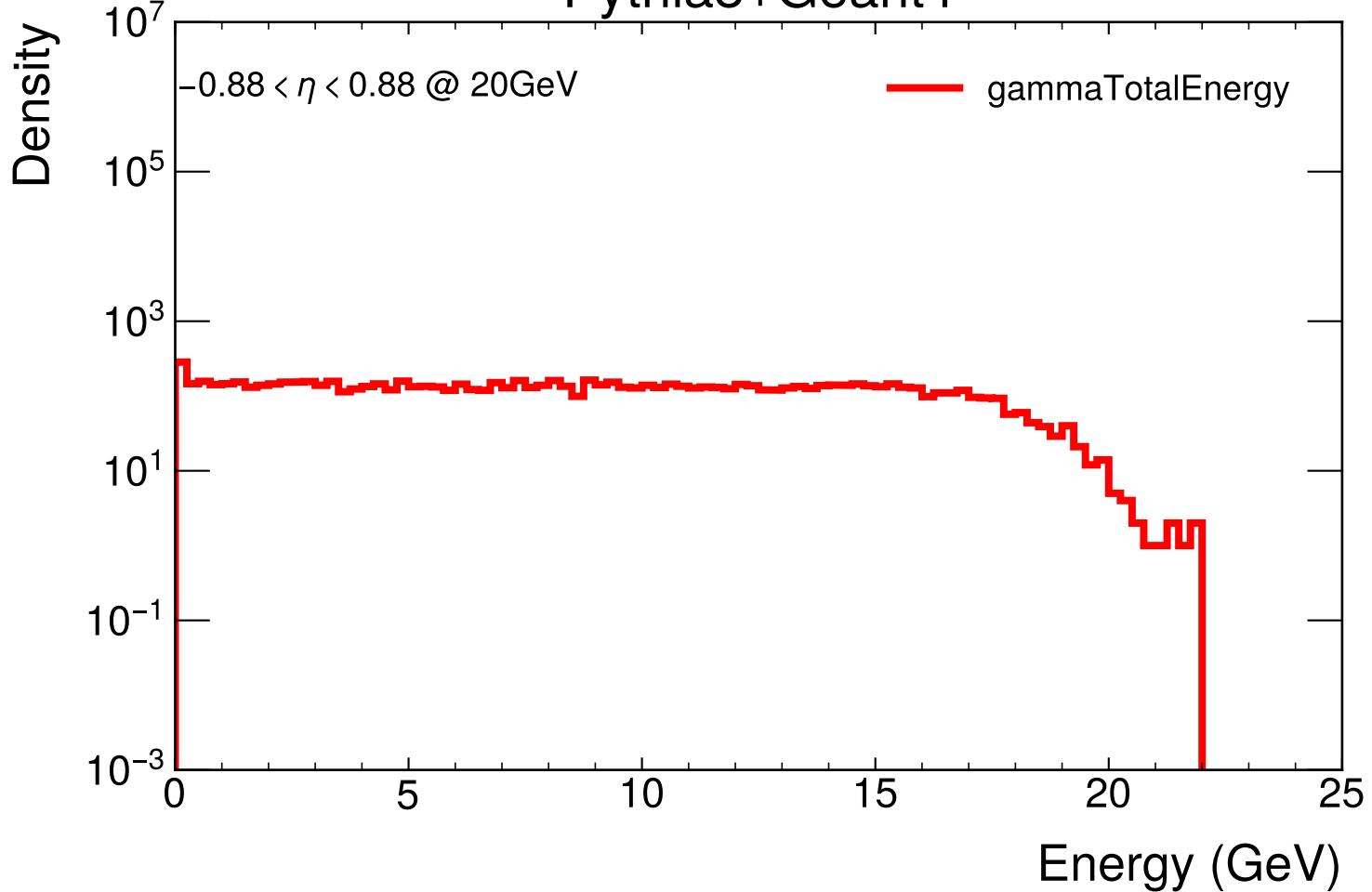
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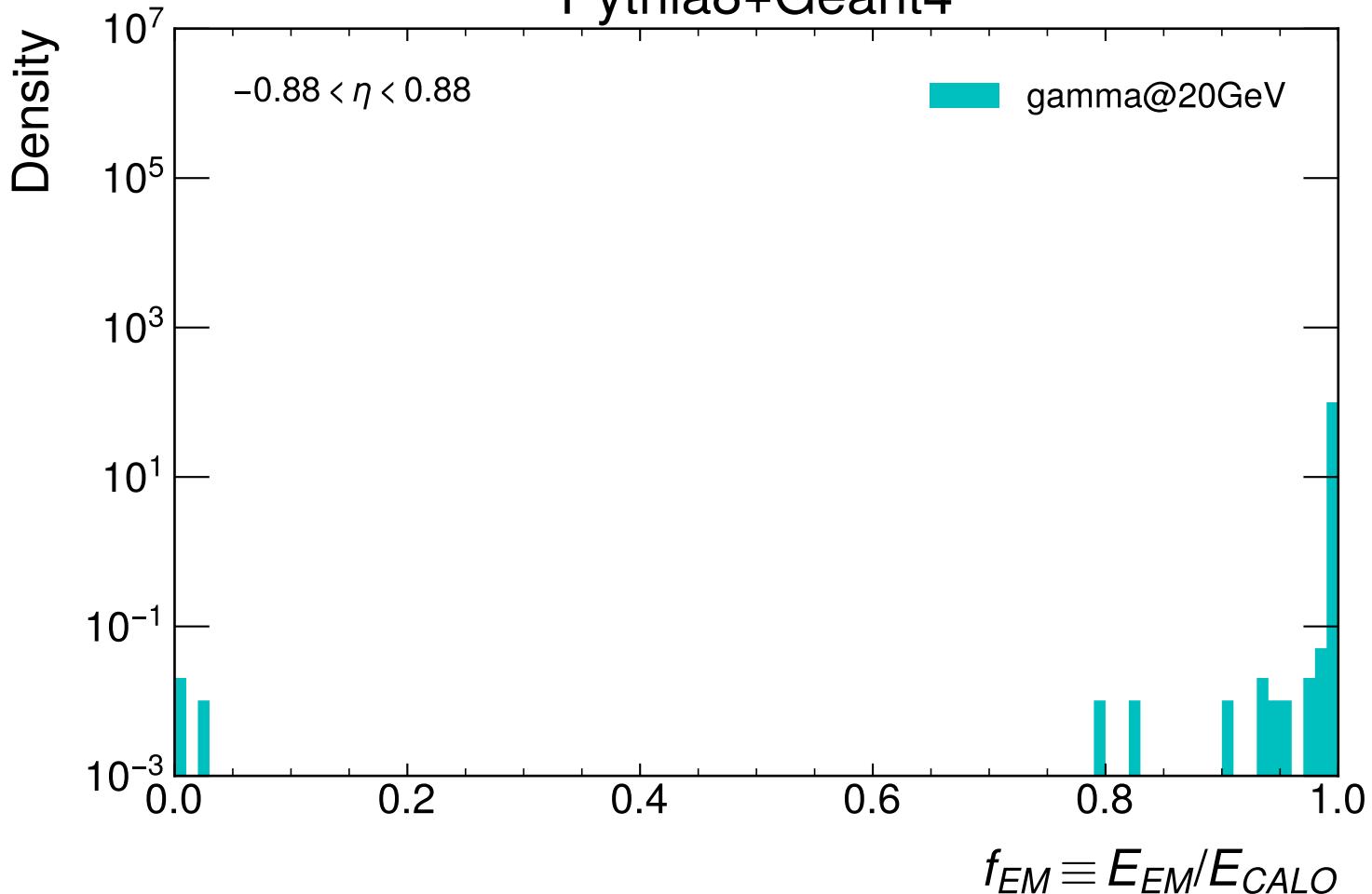


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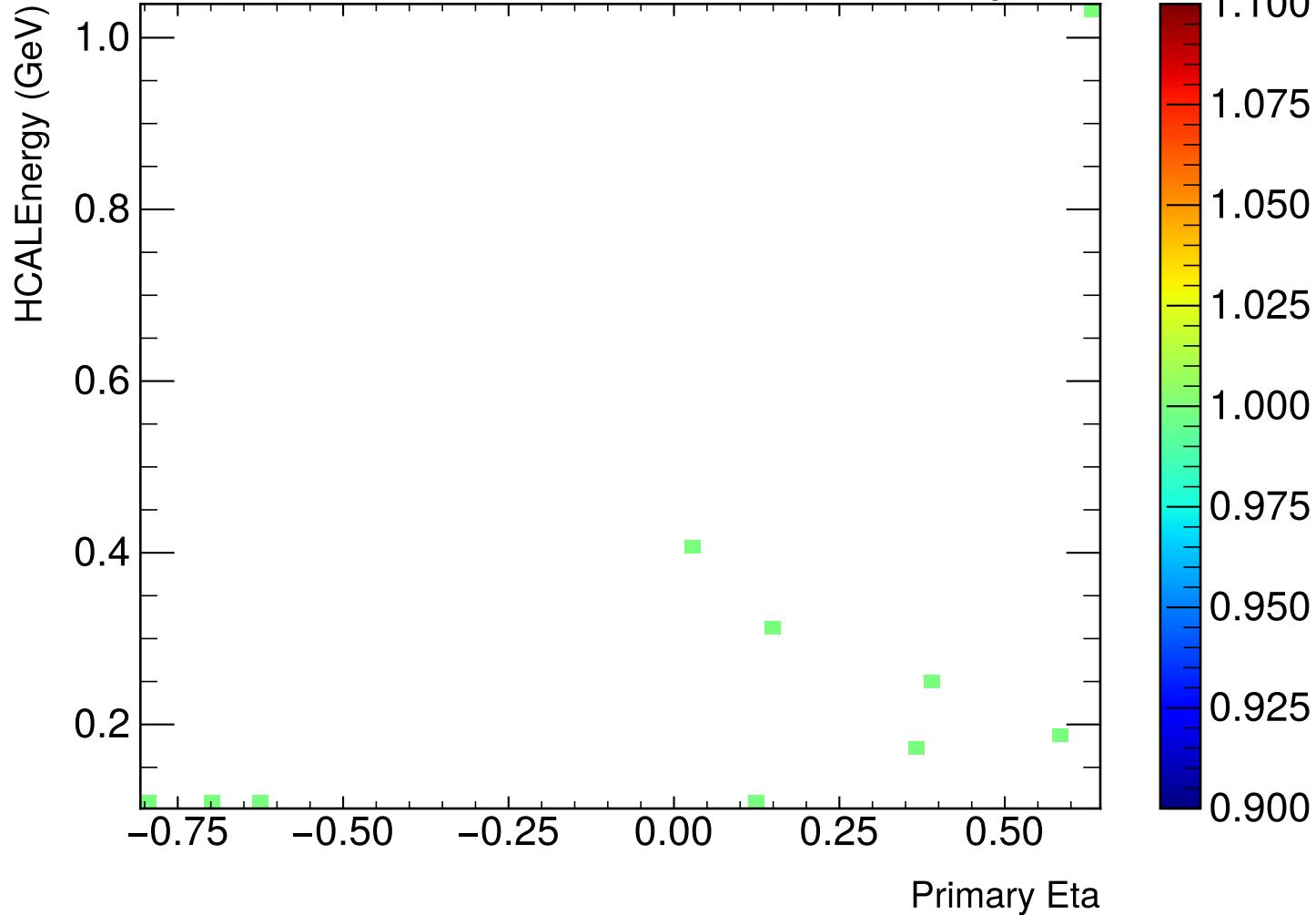
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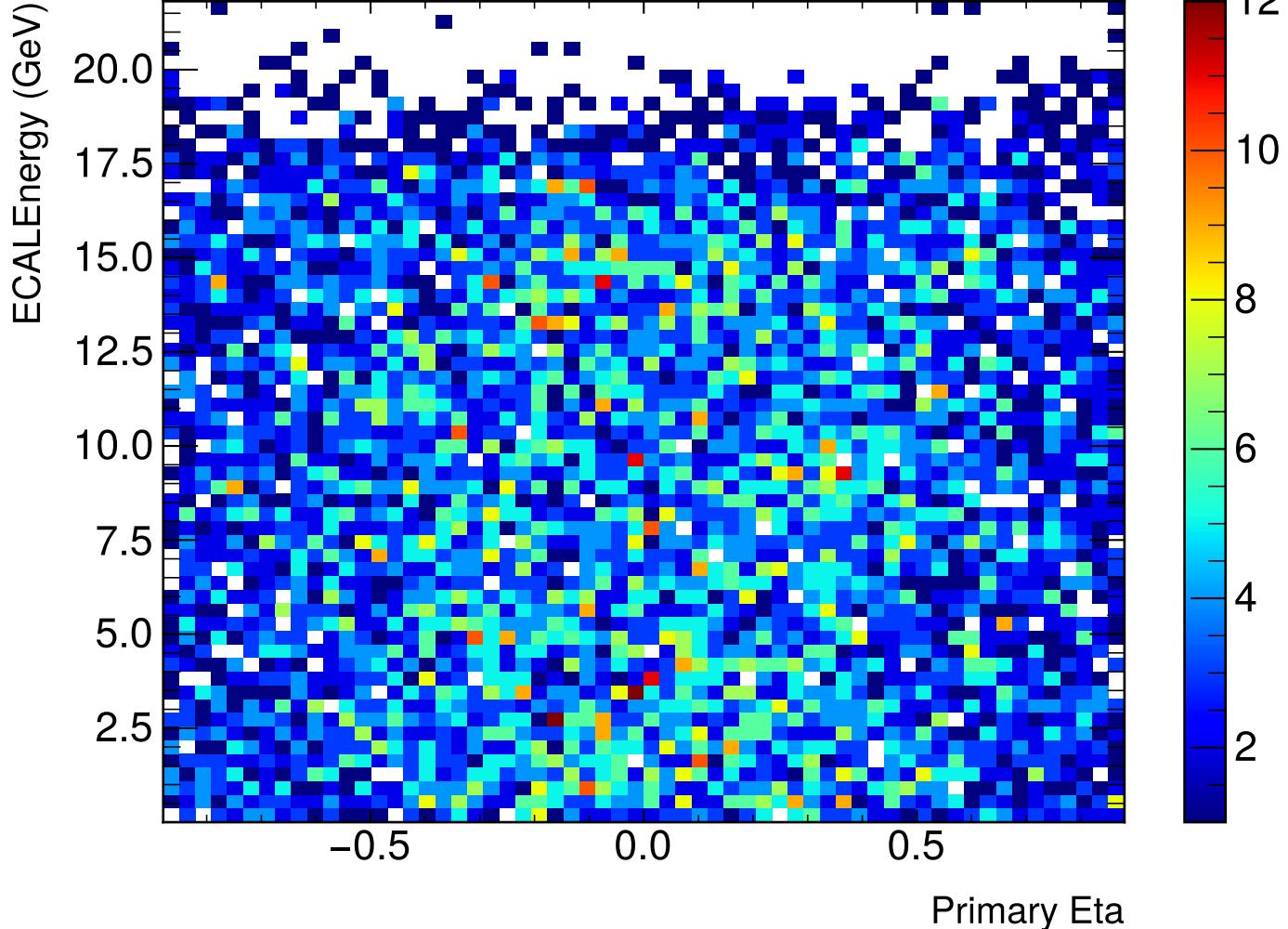
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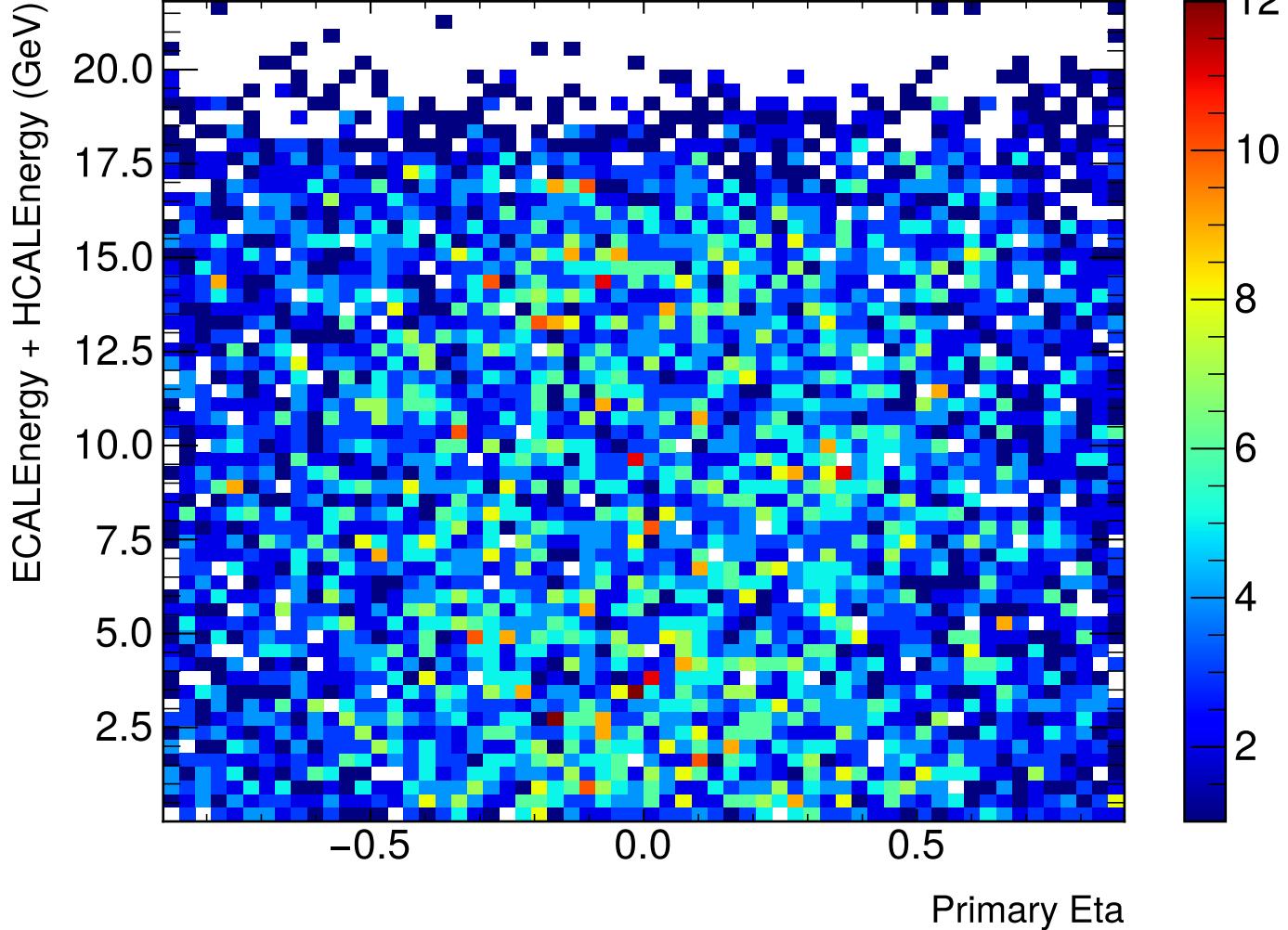
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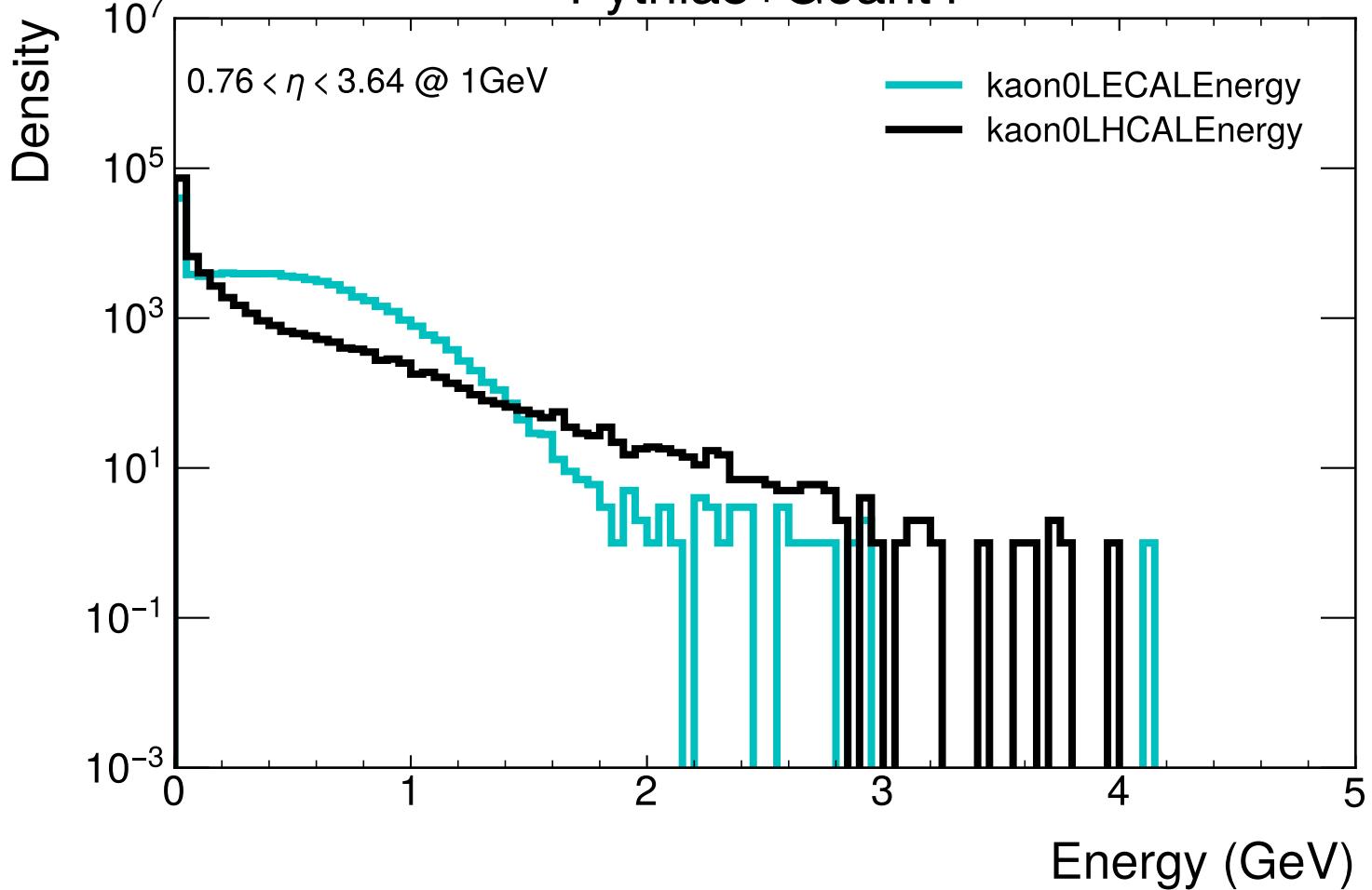


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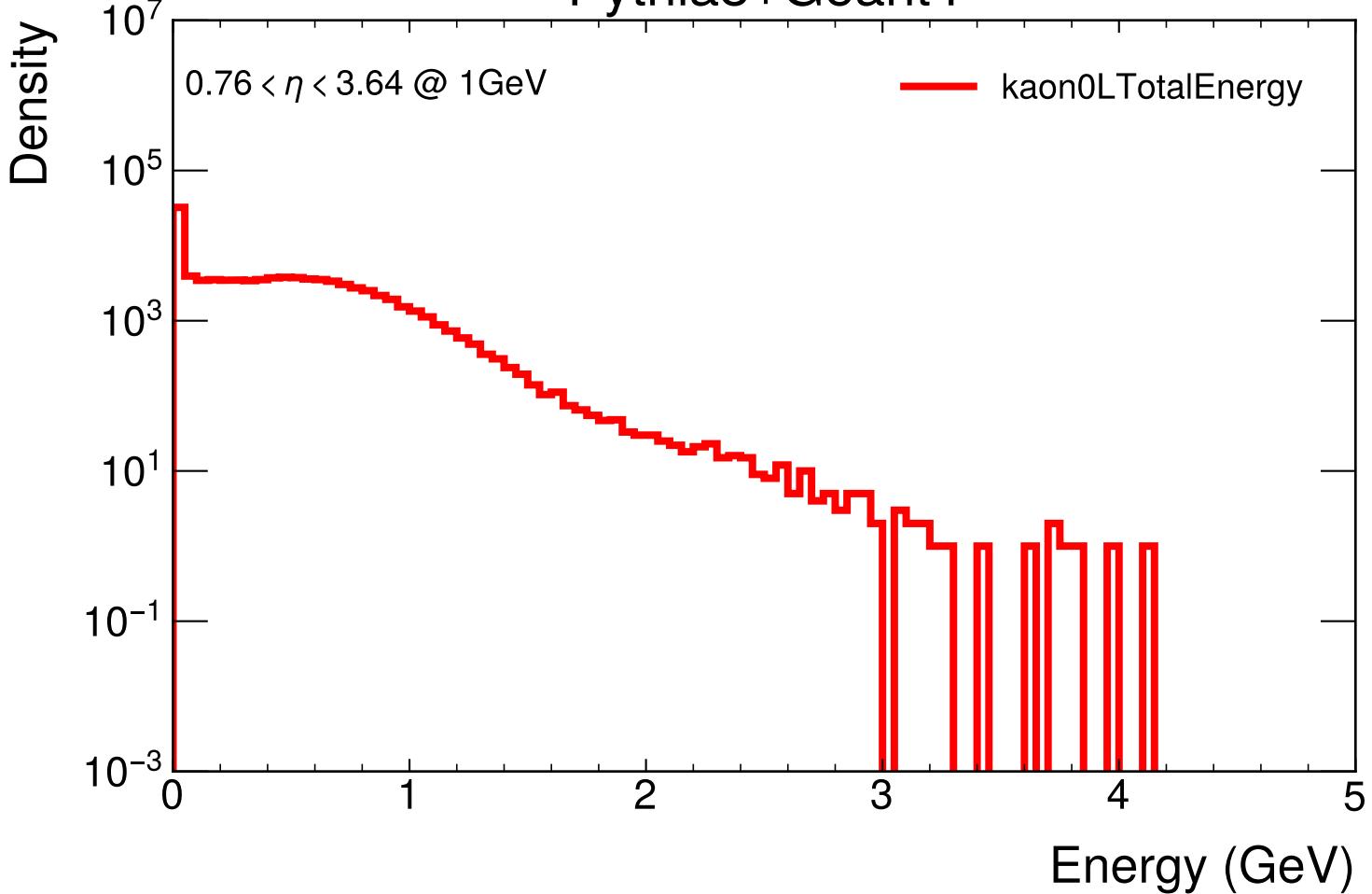
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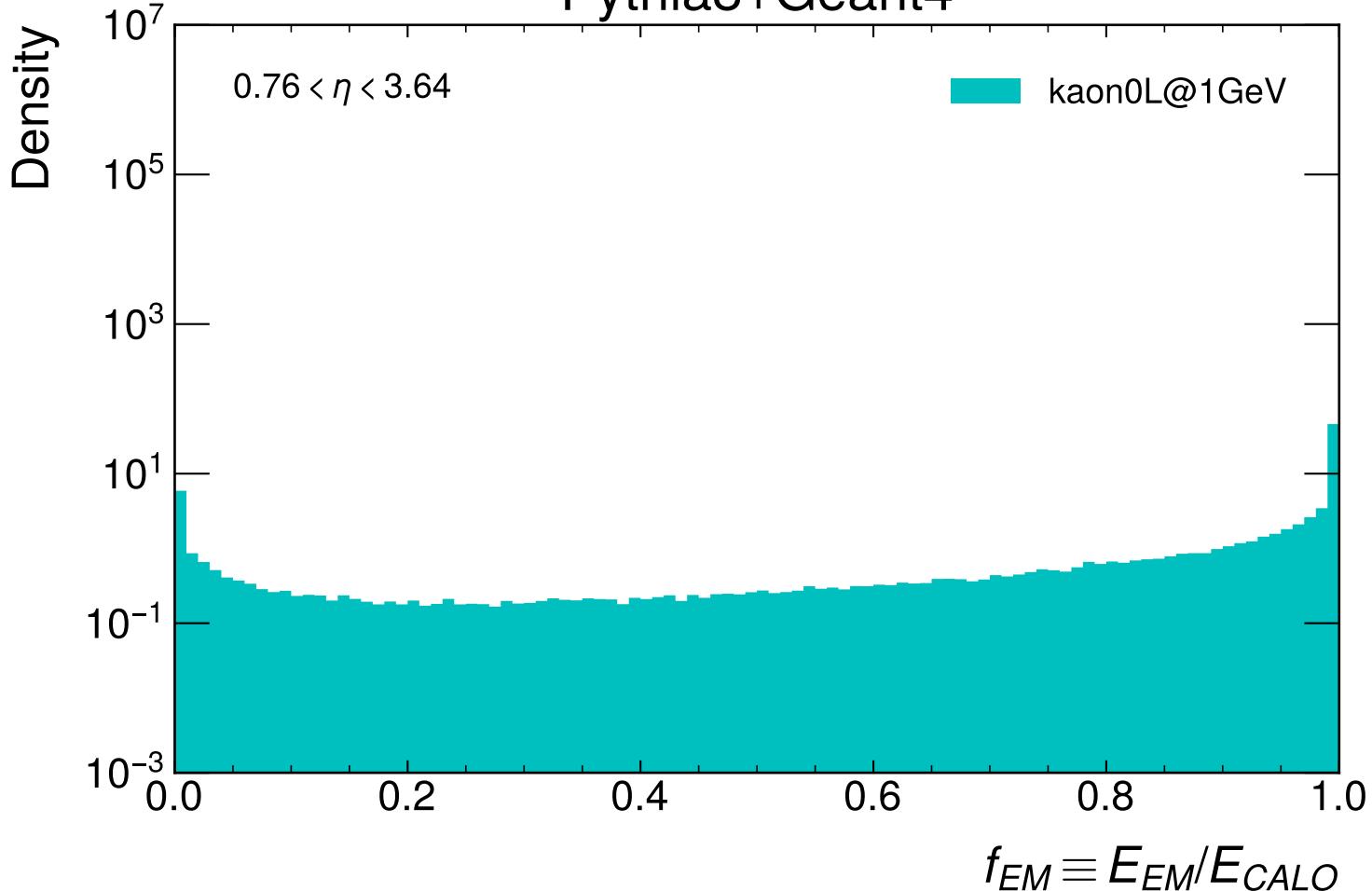


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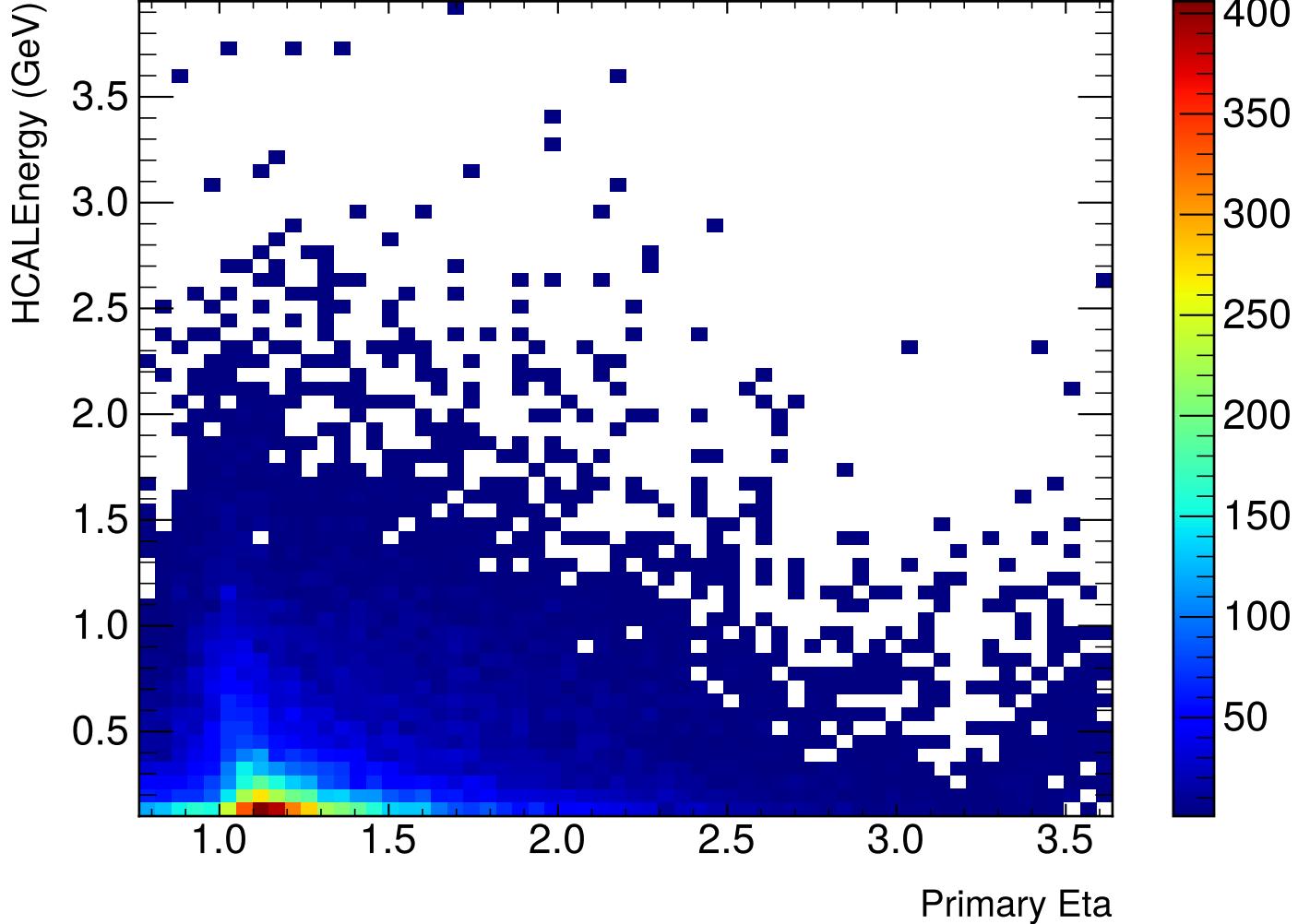
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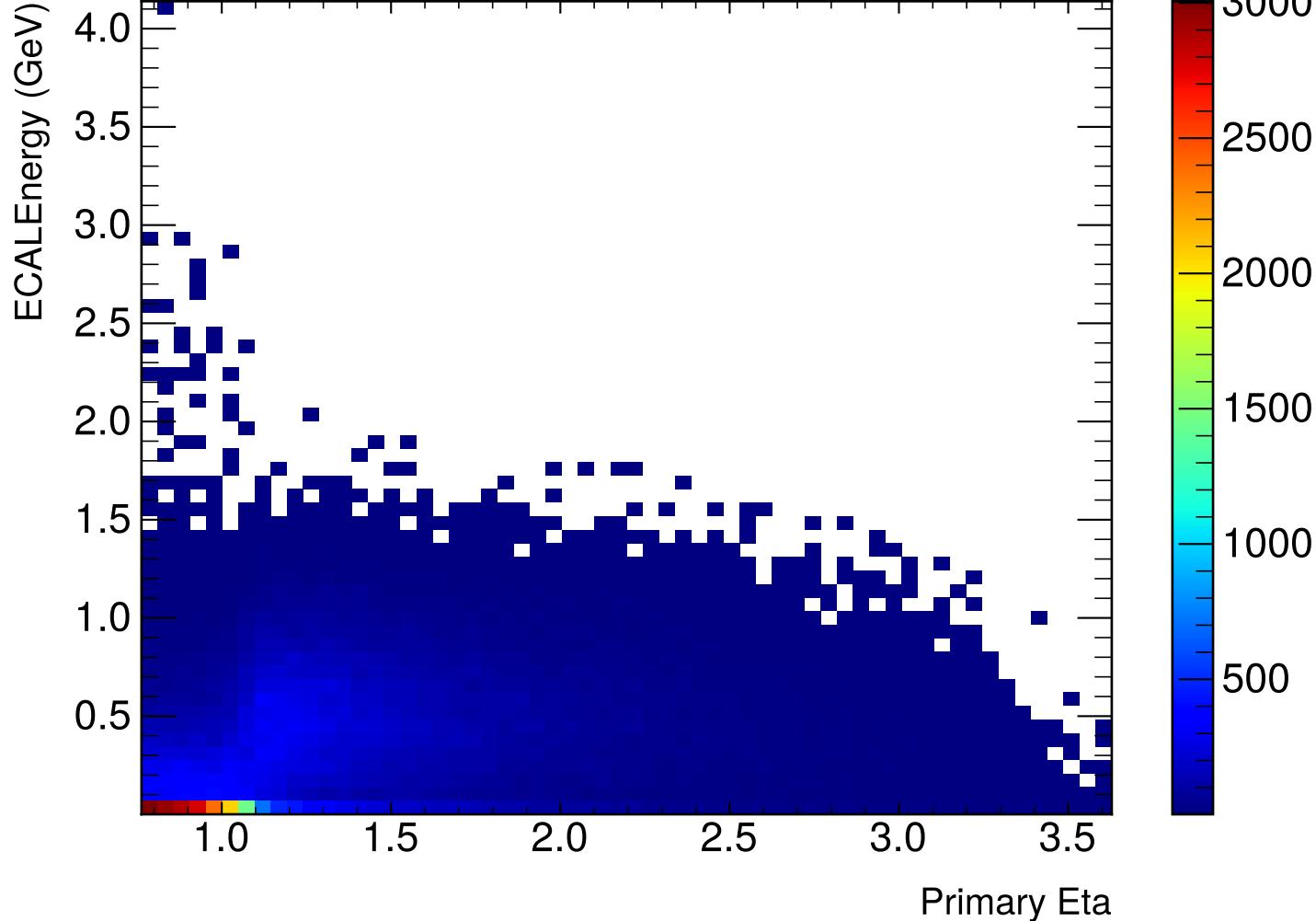
ATHENA simulation [DD4hep] Pythia8+Geant4



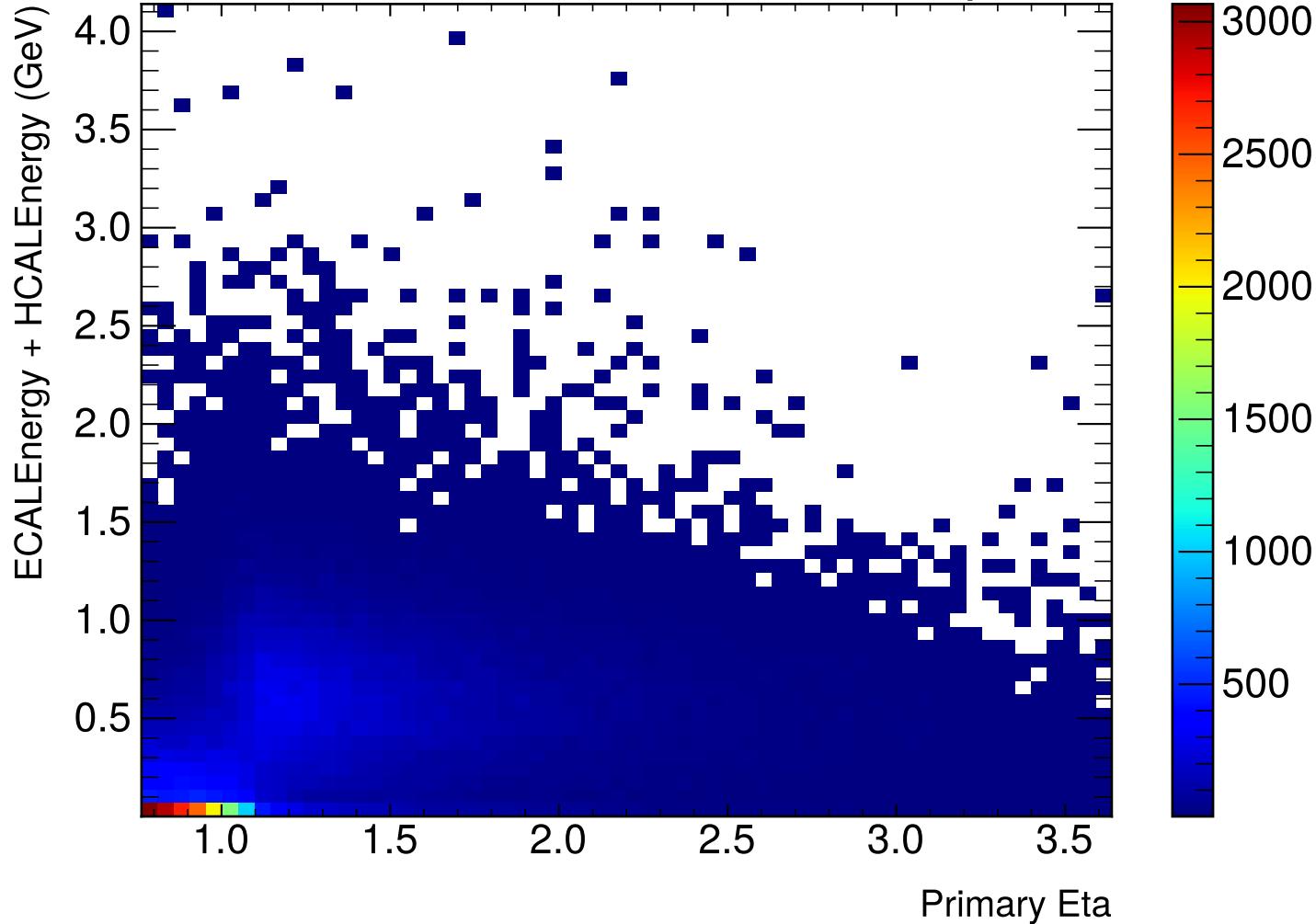
kaon0L@1GeV spanning $0.76 < \eta < 3.64$



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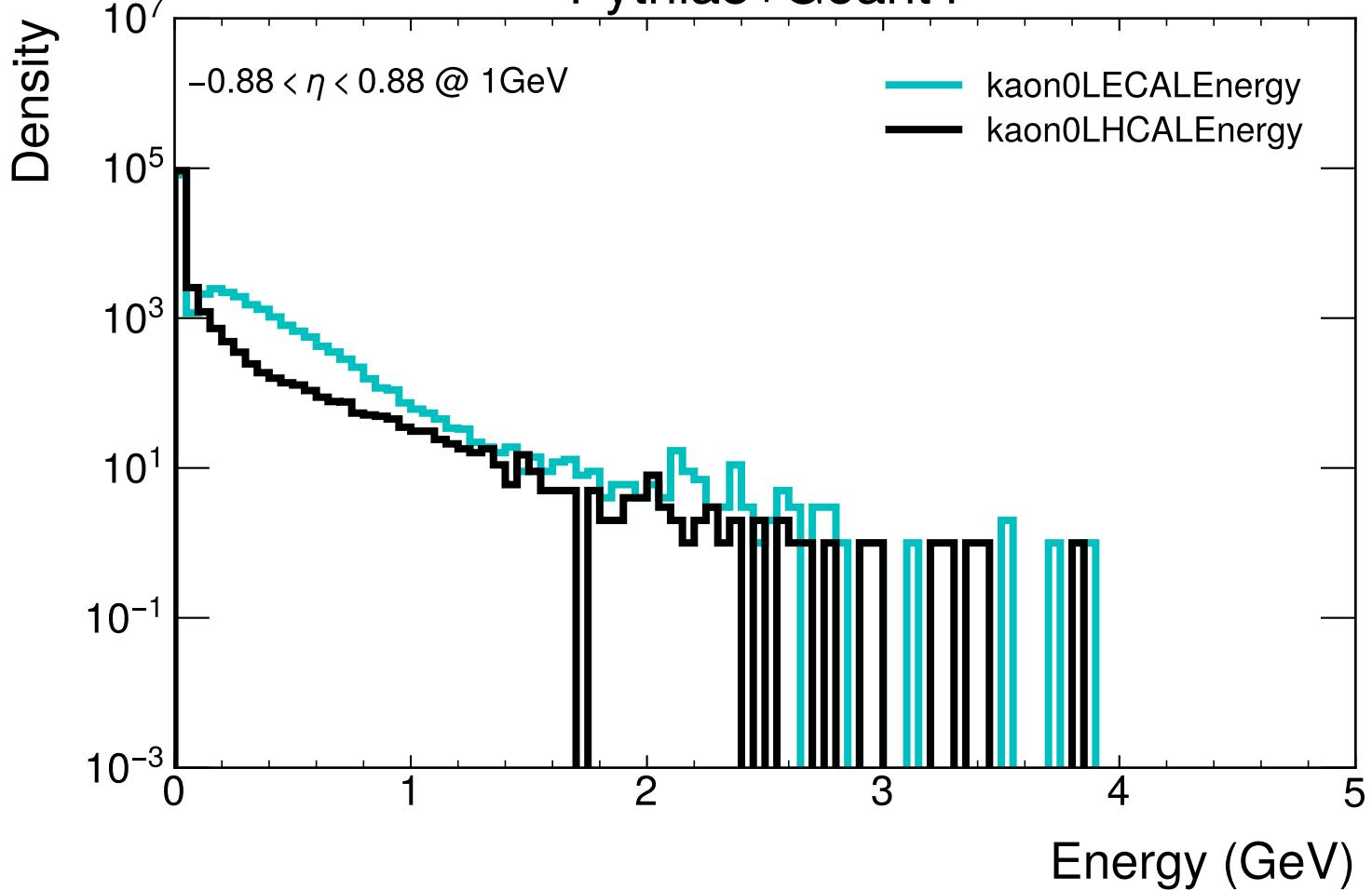


kaon0L@1GeV spanning $0.76 < \eta < 3.64$



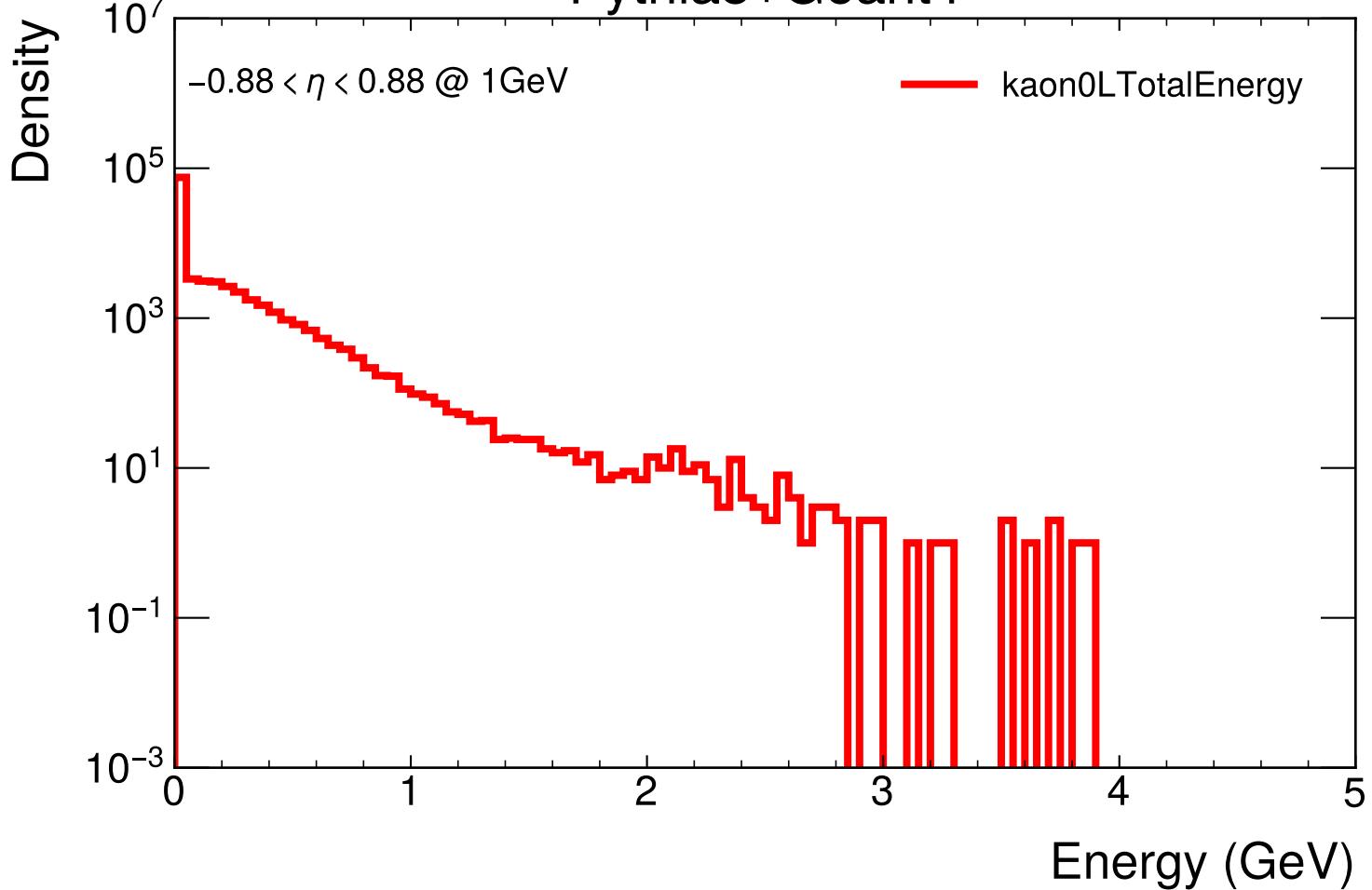
ATHENA simulation [DD4hep]

Pythia8+Geant4

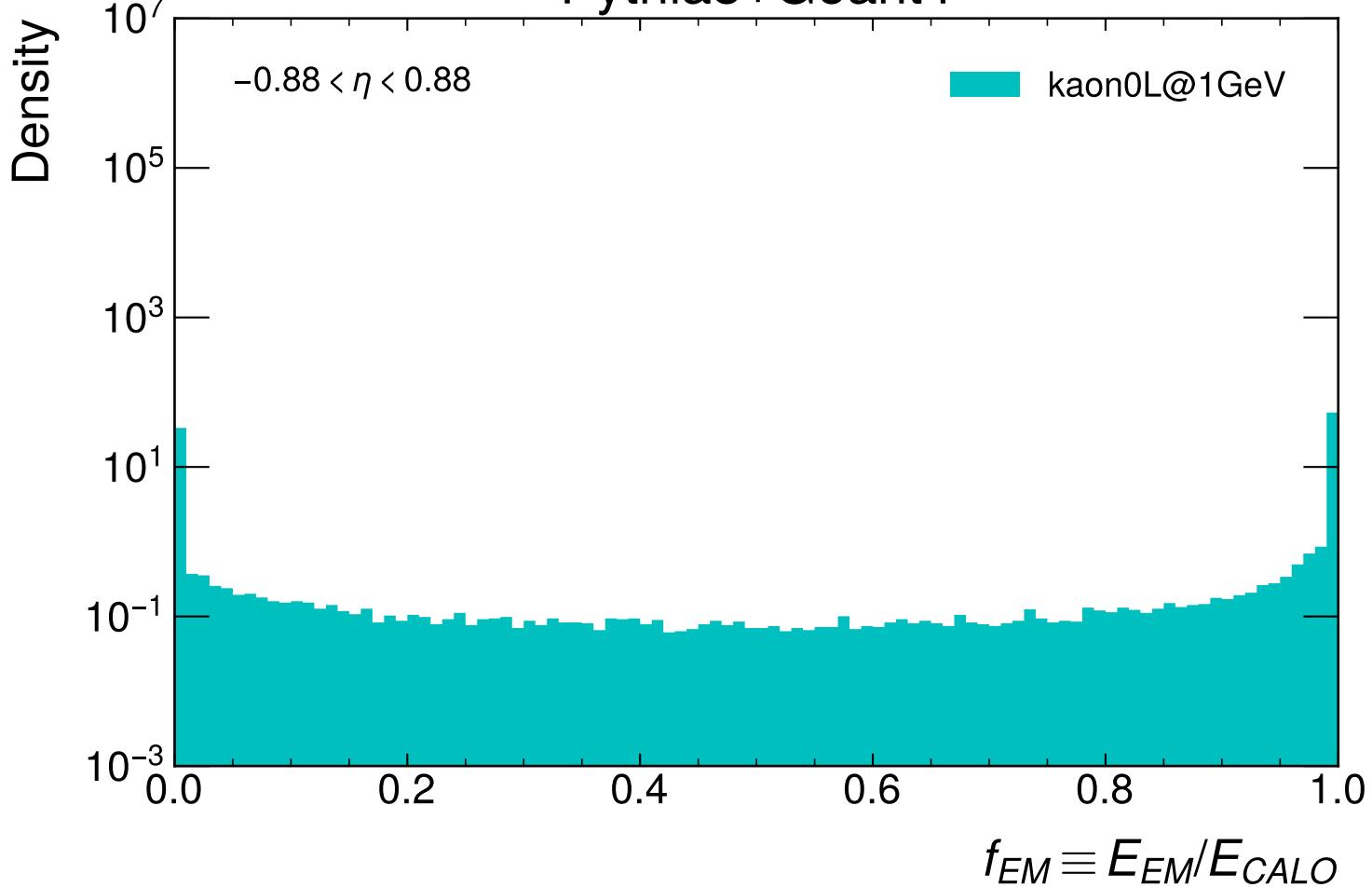


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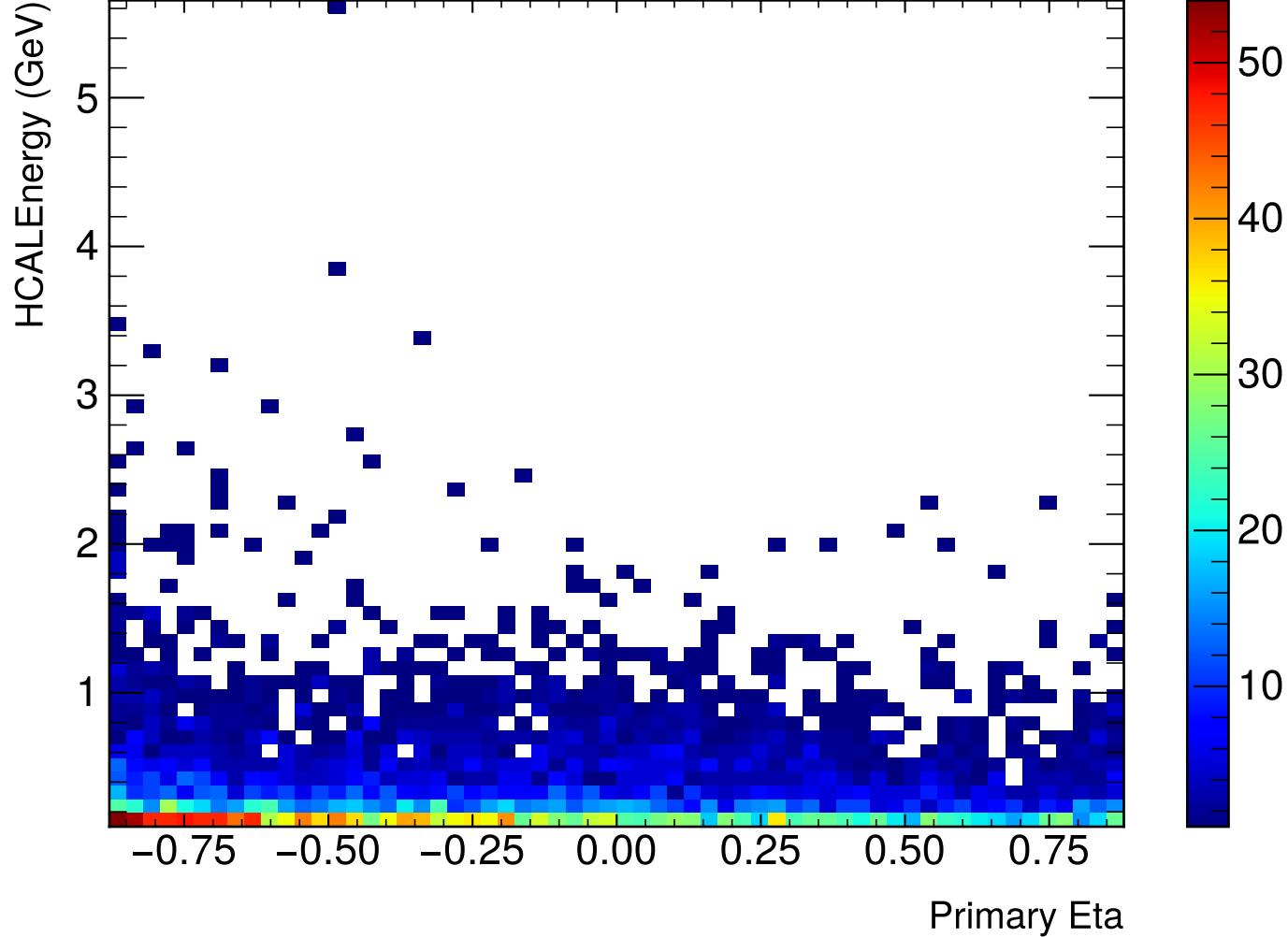
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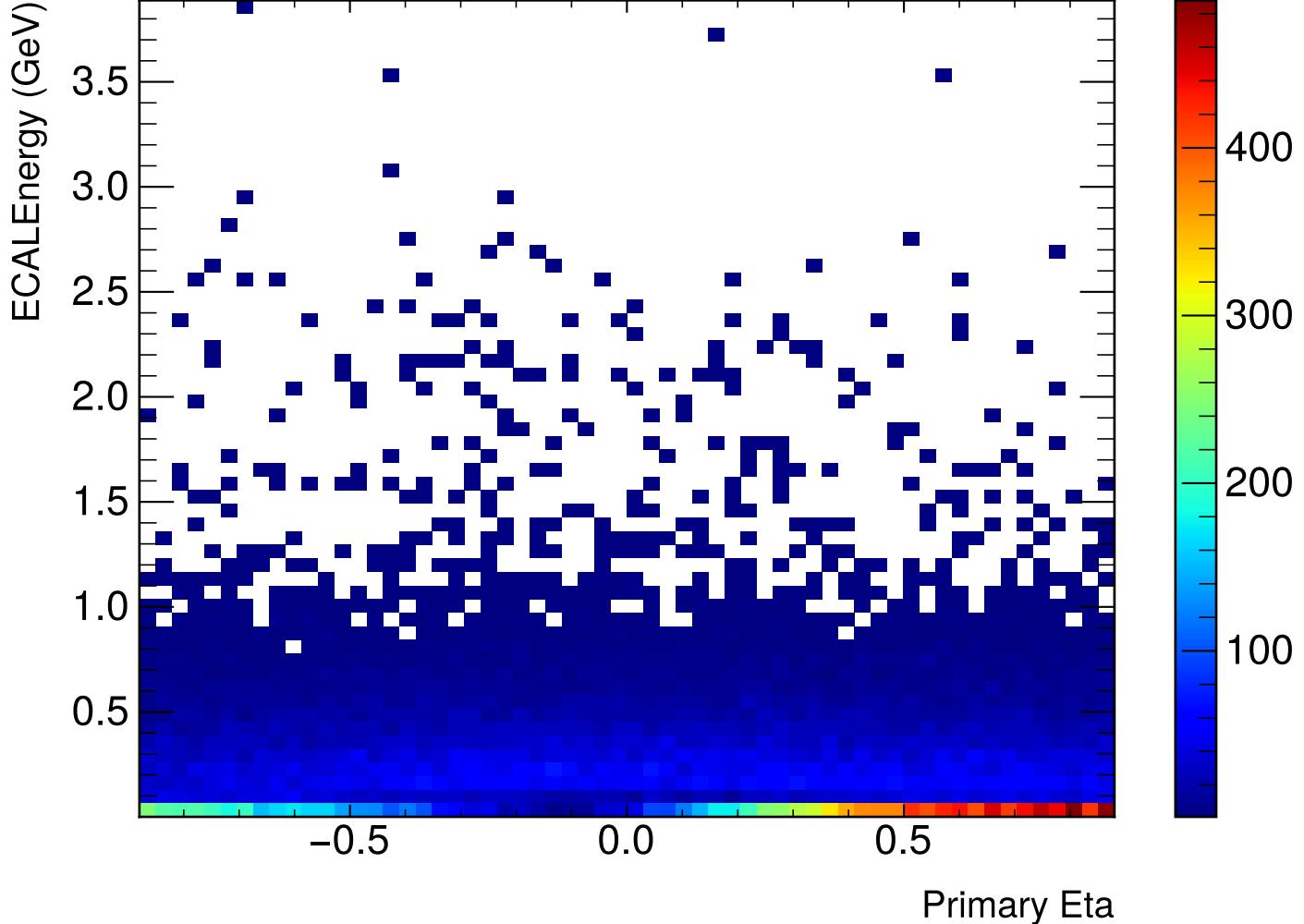
ATHENA simulation [DD4hep] Pythia8+Geant4



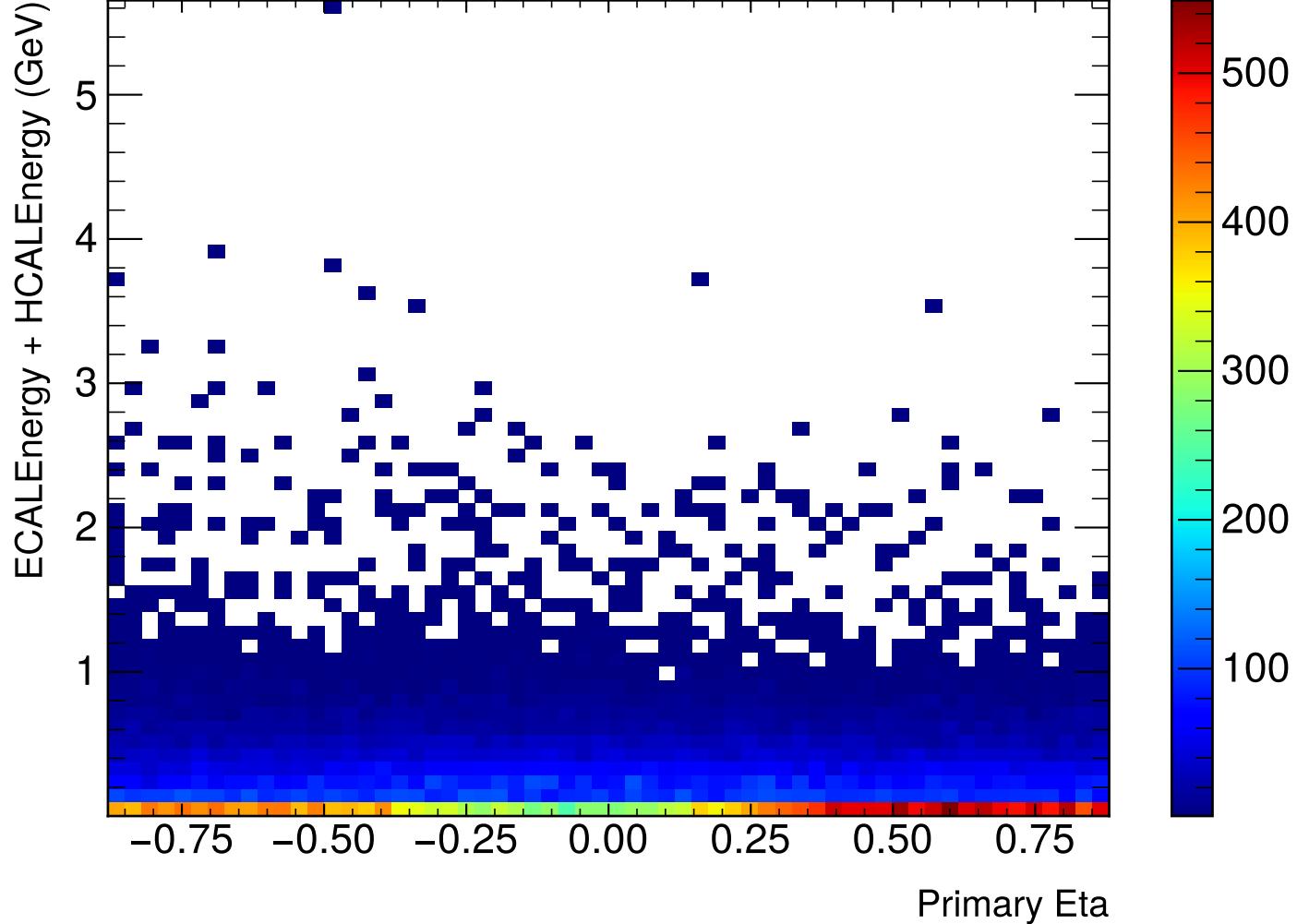
kaon0L@1GeV spanning $-0.88 < \eta < 0.88$



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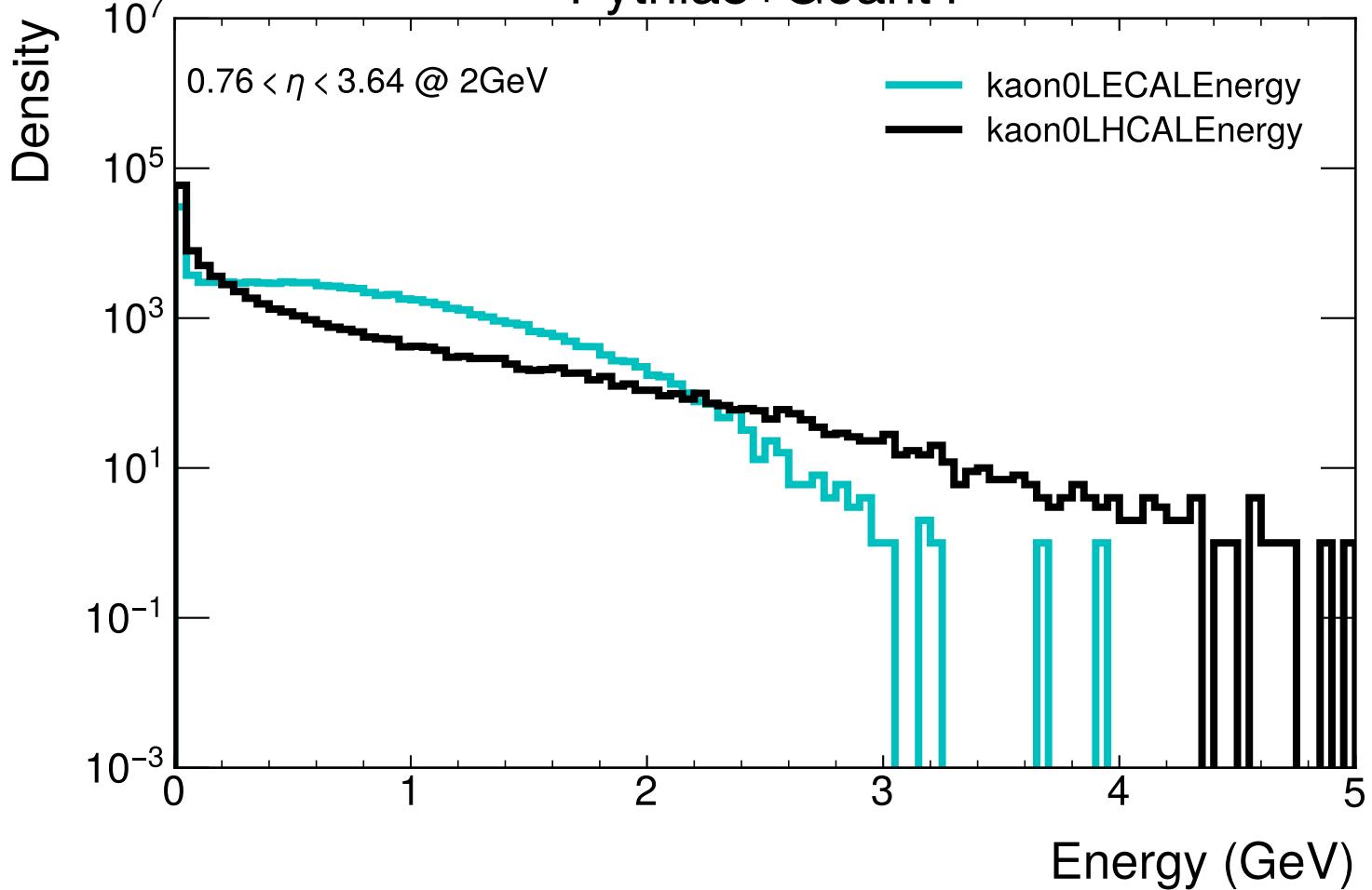


kaon0L@1GeV spanning $-0.88 < \eta < 0.88$



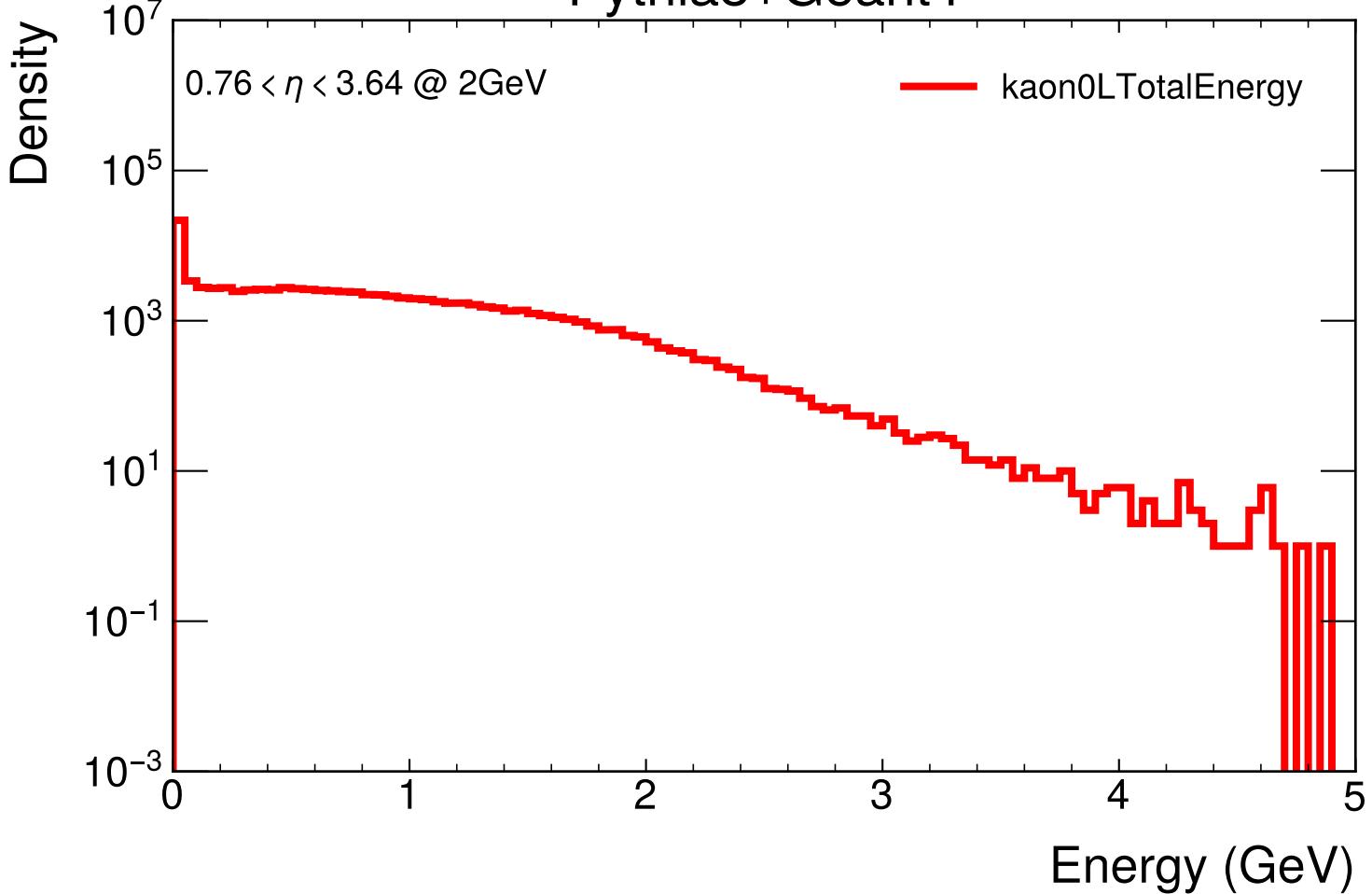
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Pythia8+Geant4

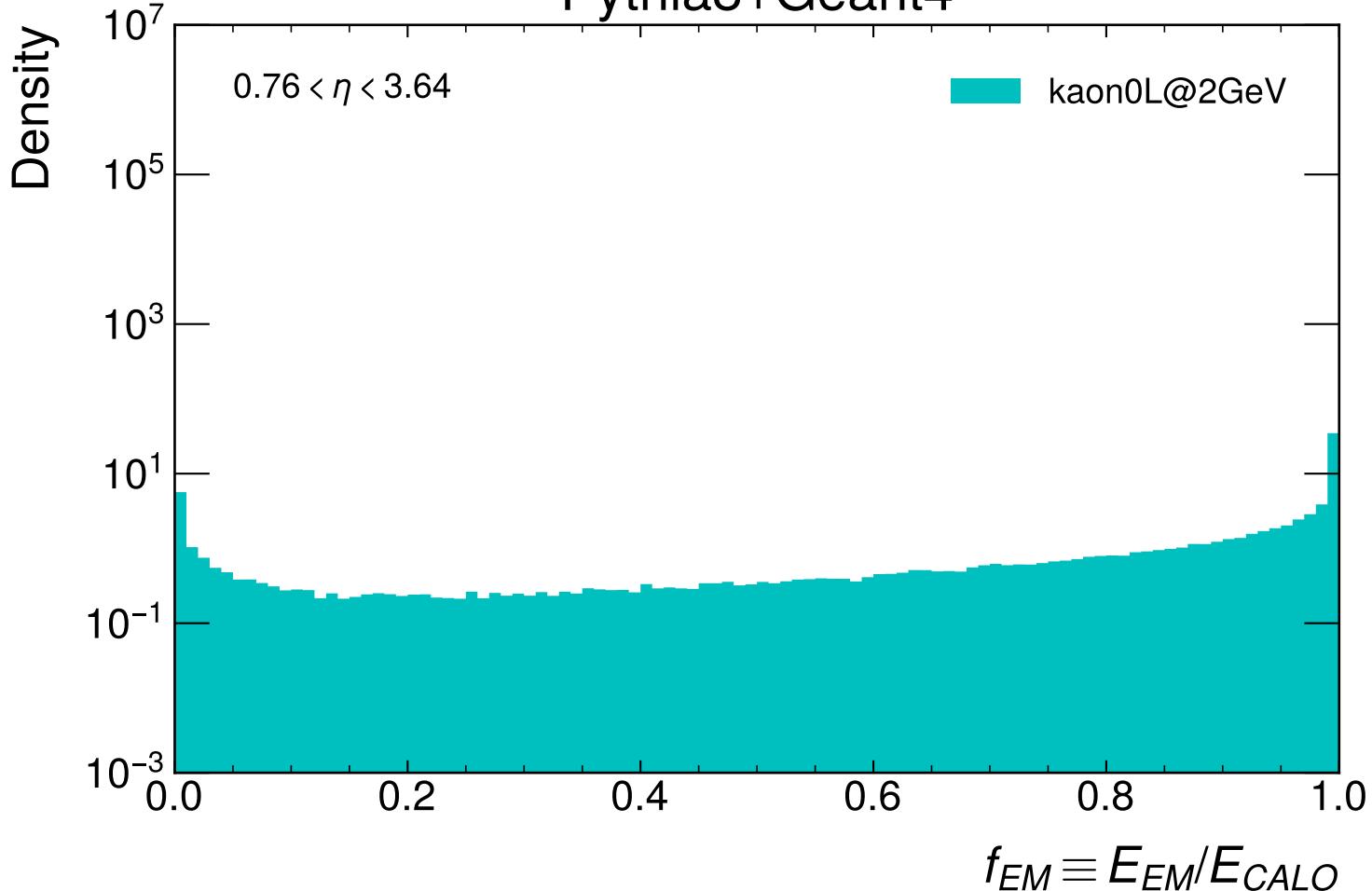


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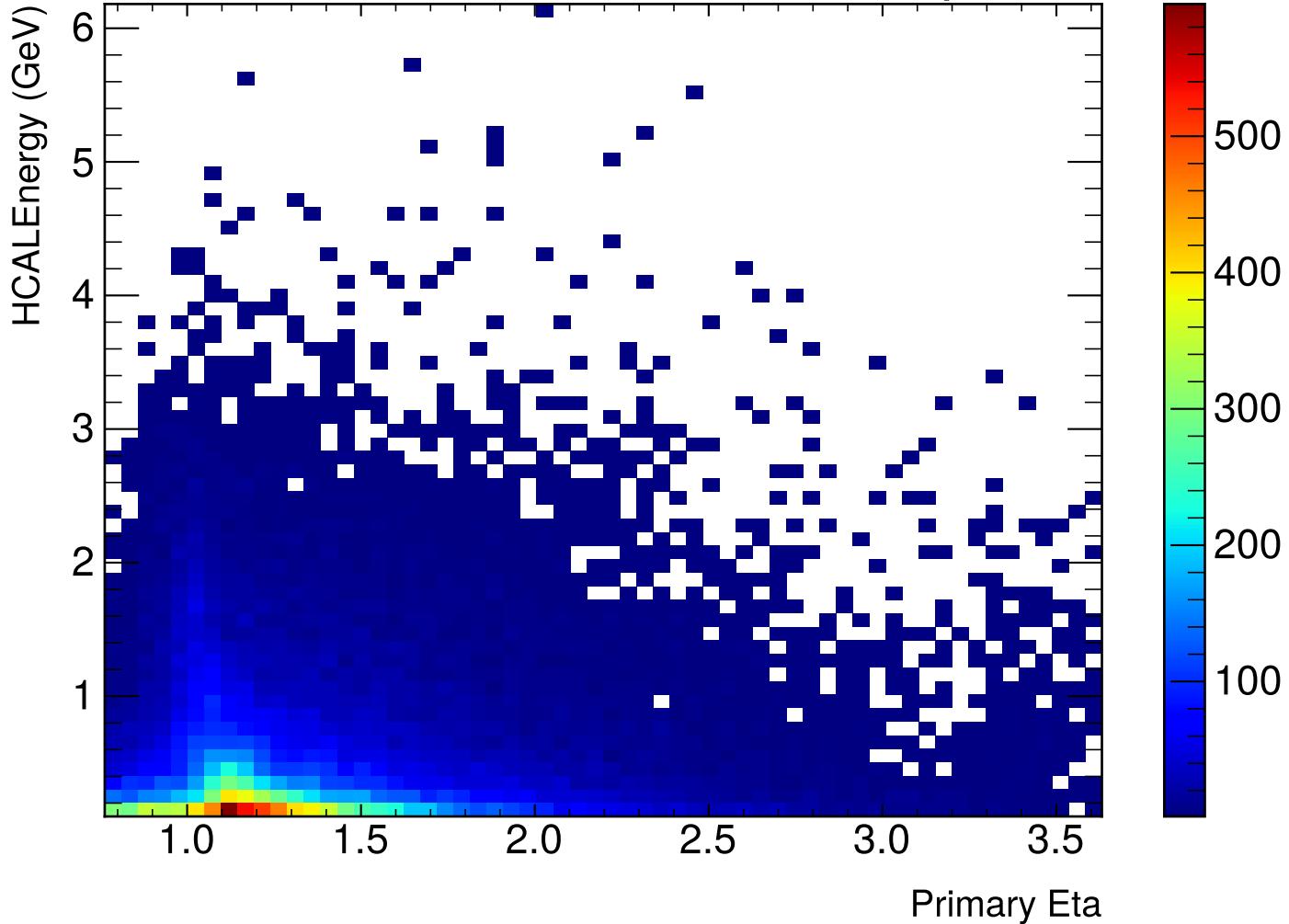
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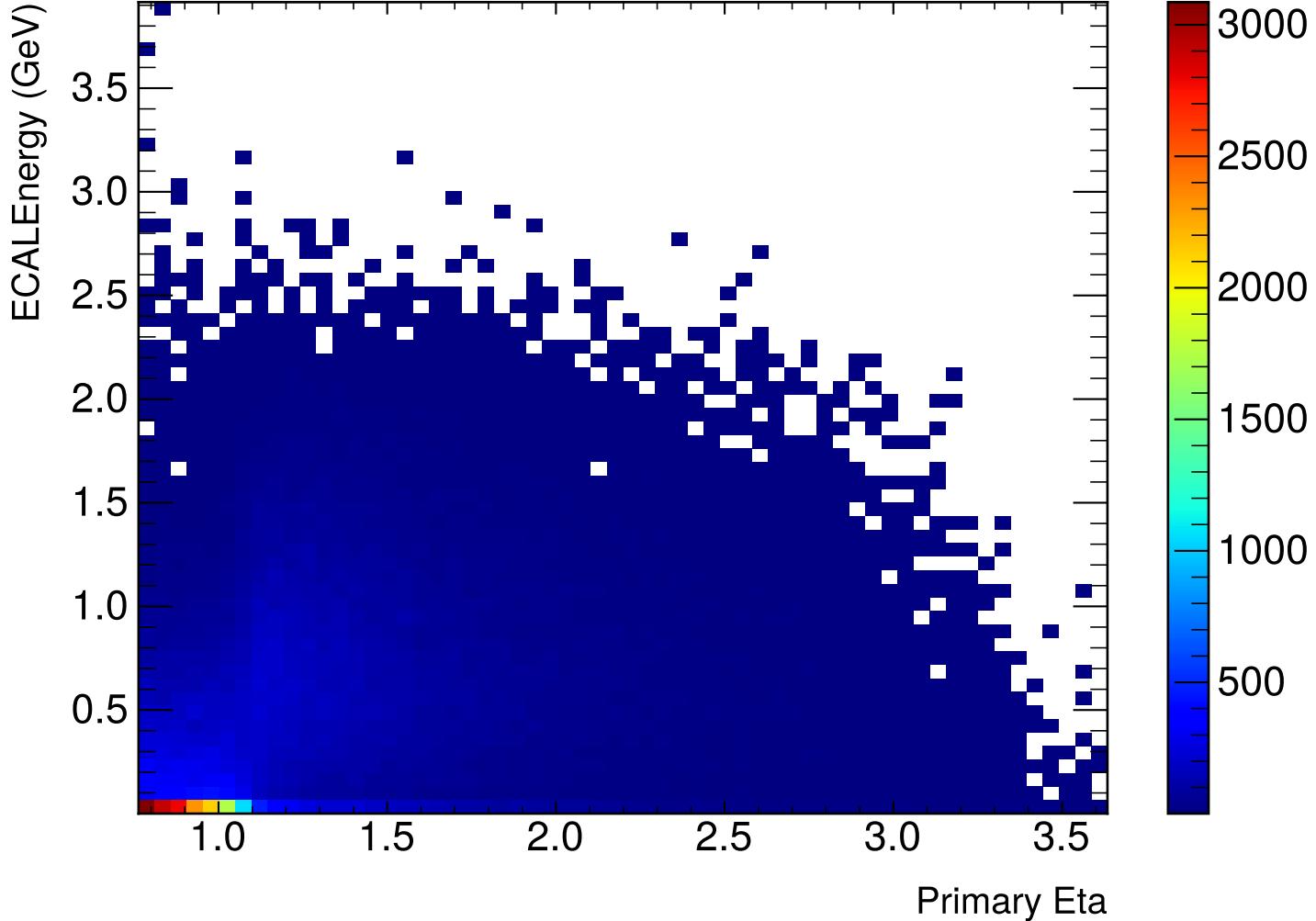
ATHENA simulation [DD4hep] Pythia8+Geant4



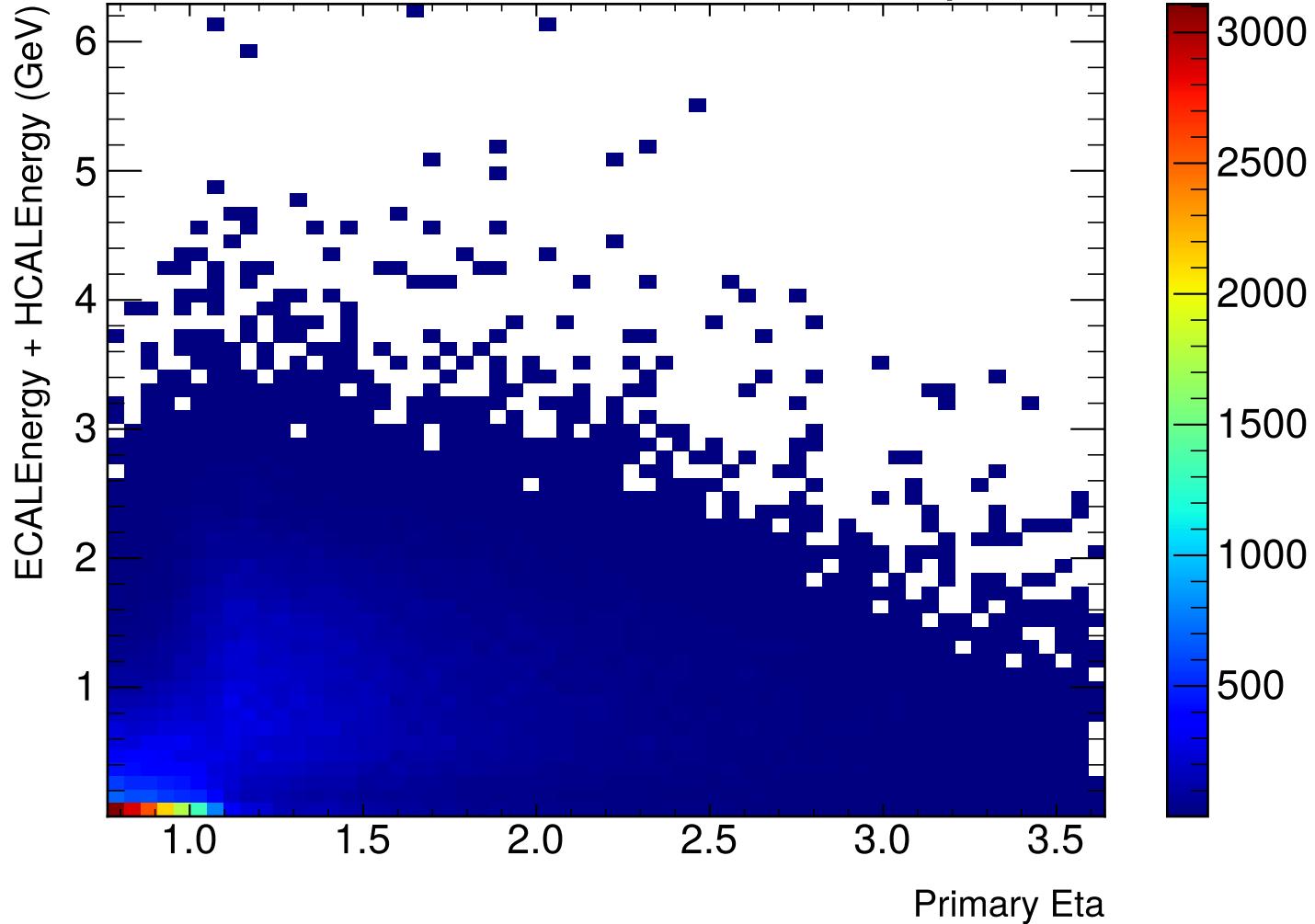
kaon0L@2GeV spanning $0.76 < \eta < 3.64$



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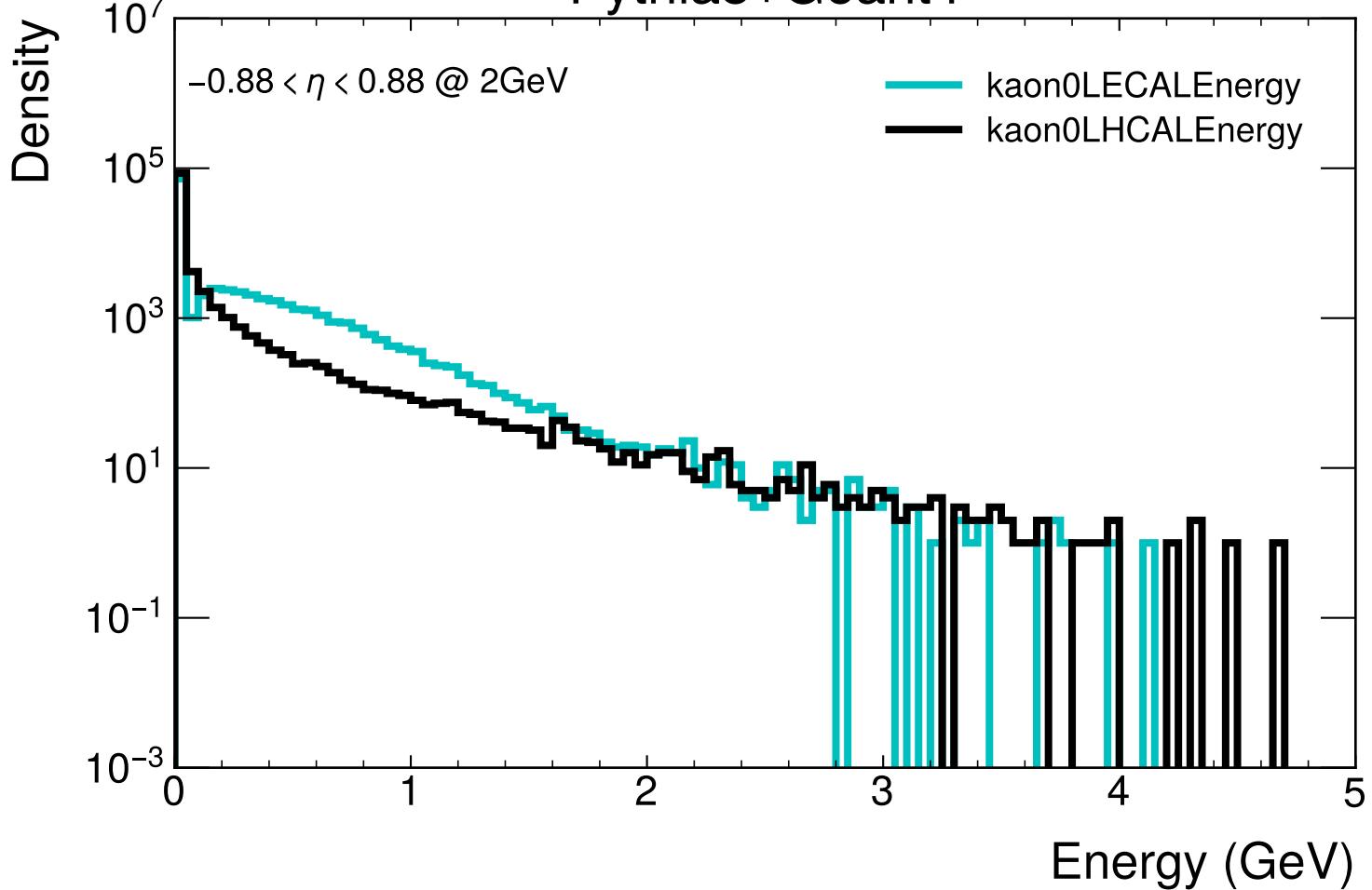


kaon0L@2GeV spanning $0.76 < \eta < 3.64$



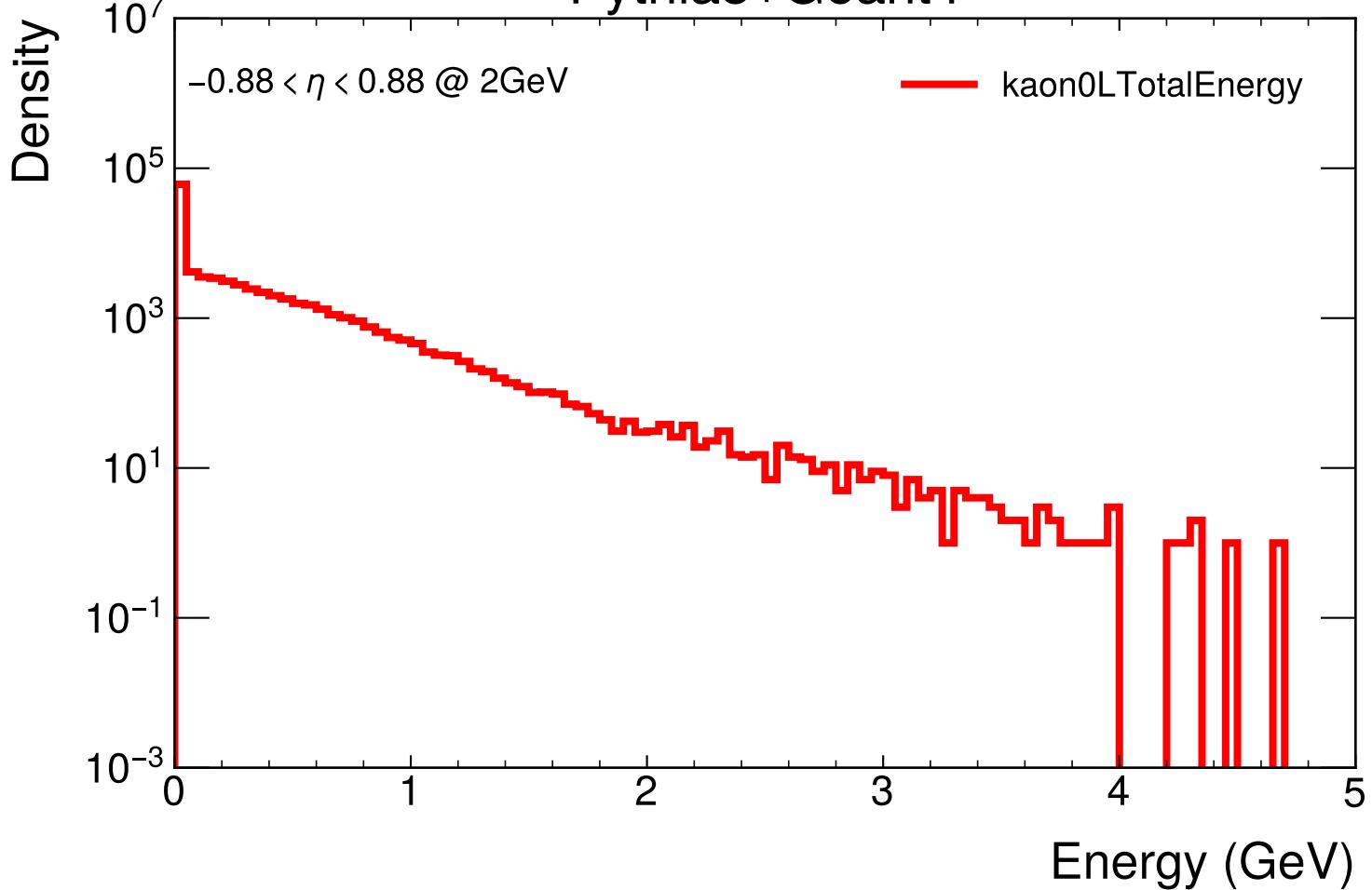
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Pythia8+Geant4

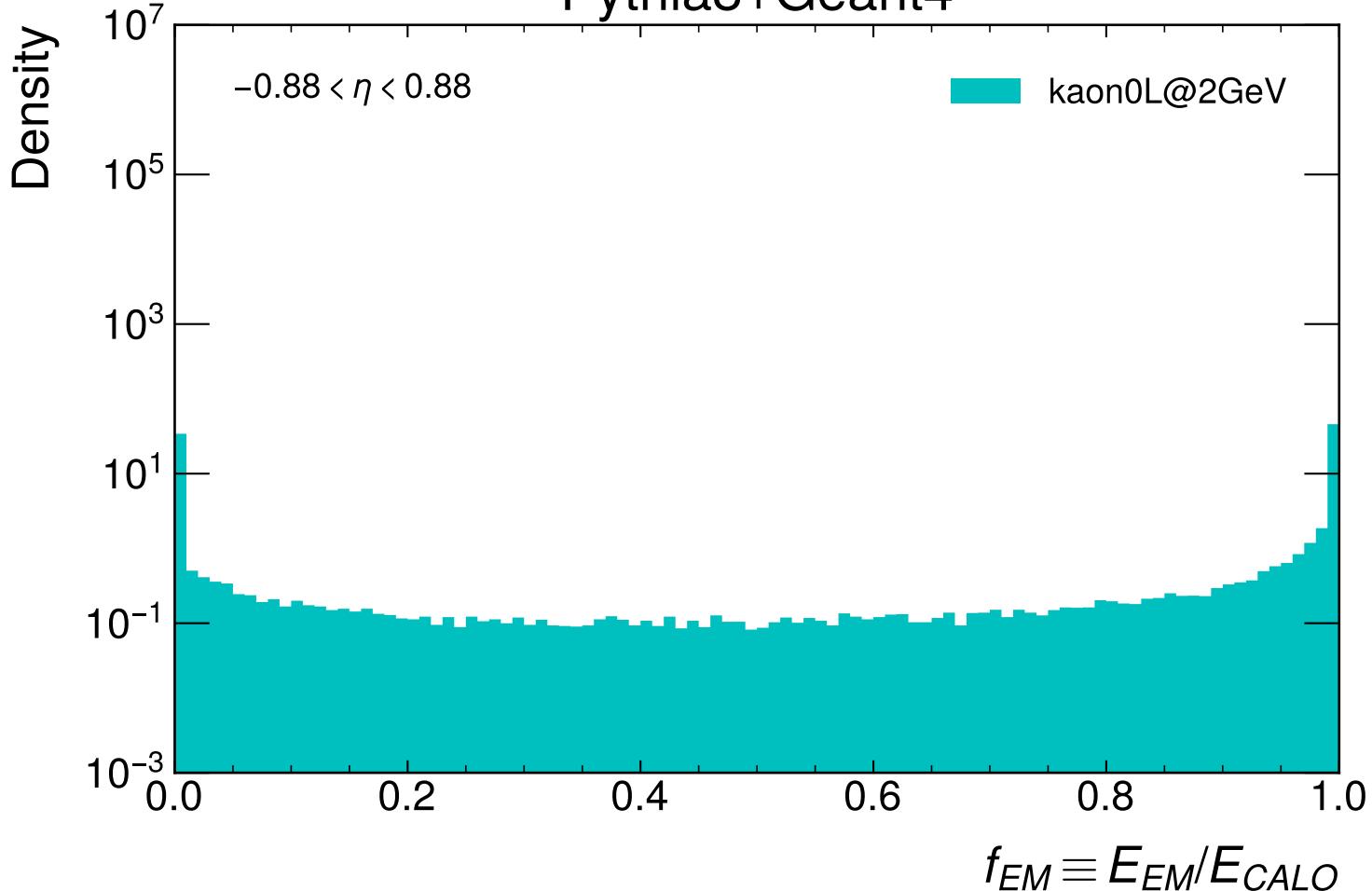


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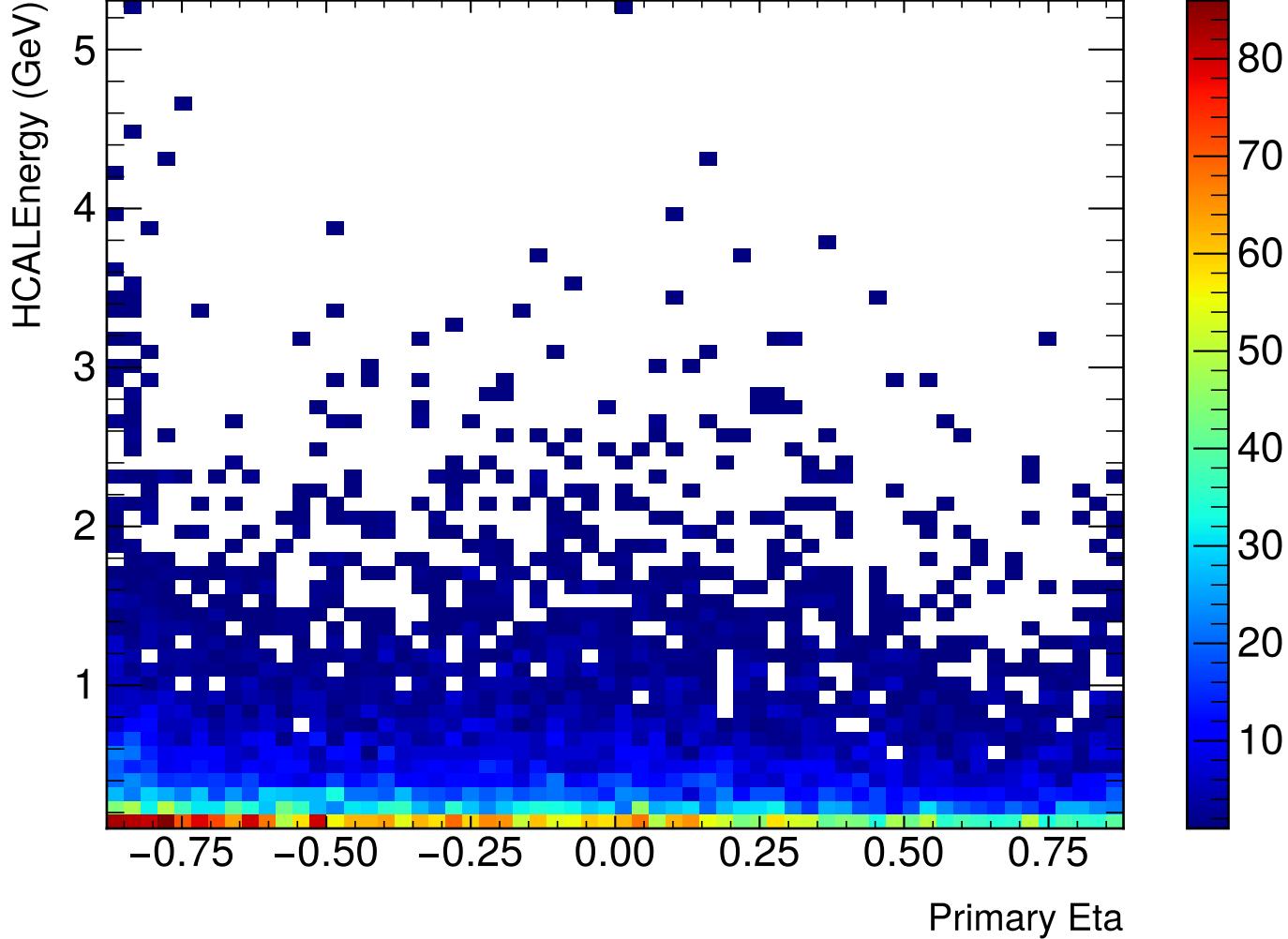
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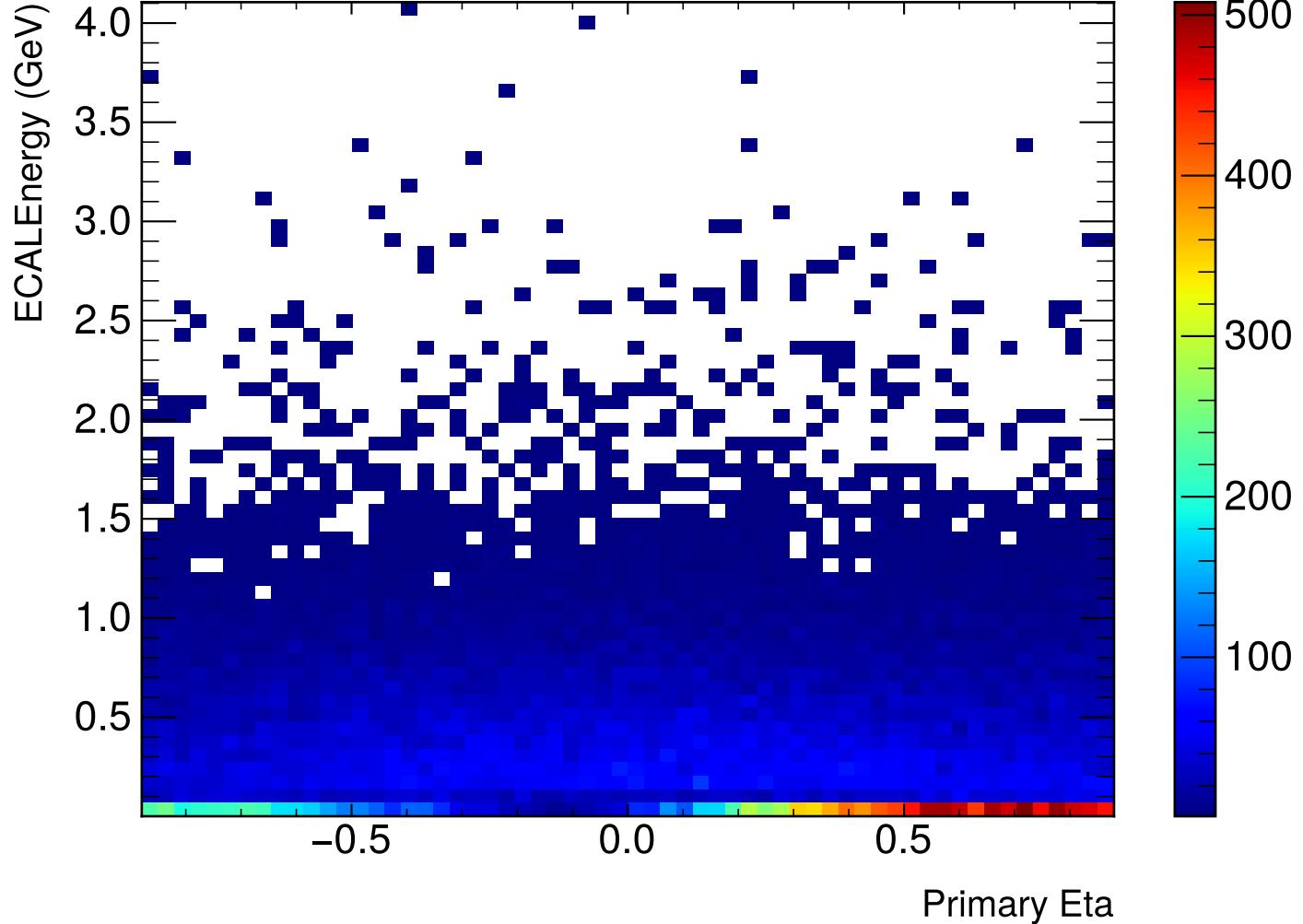
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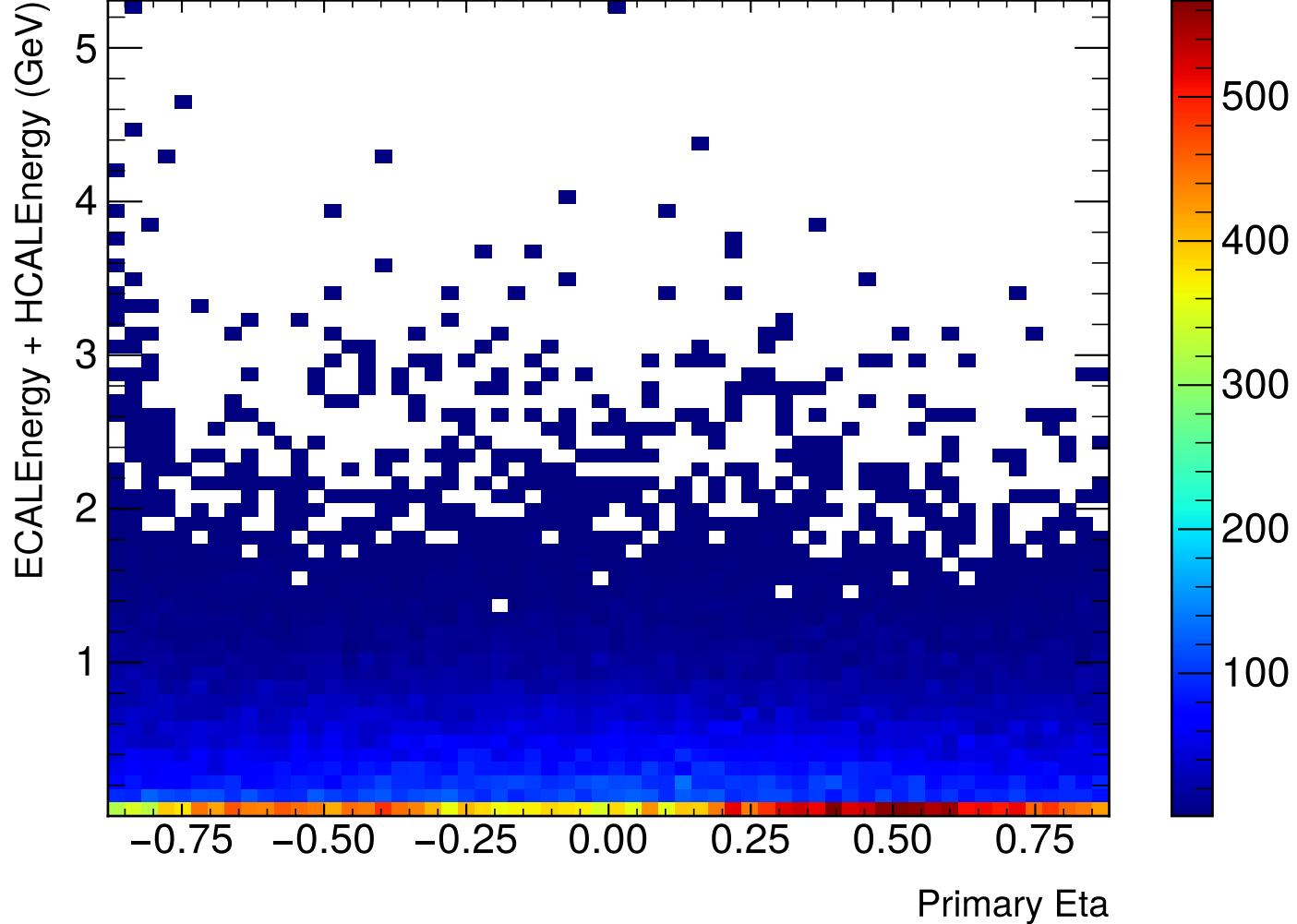
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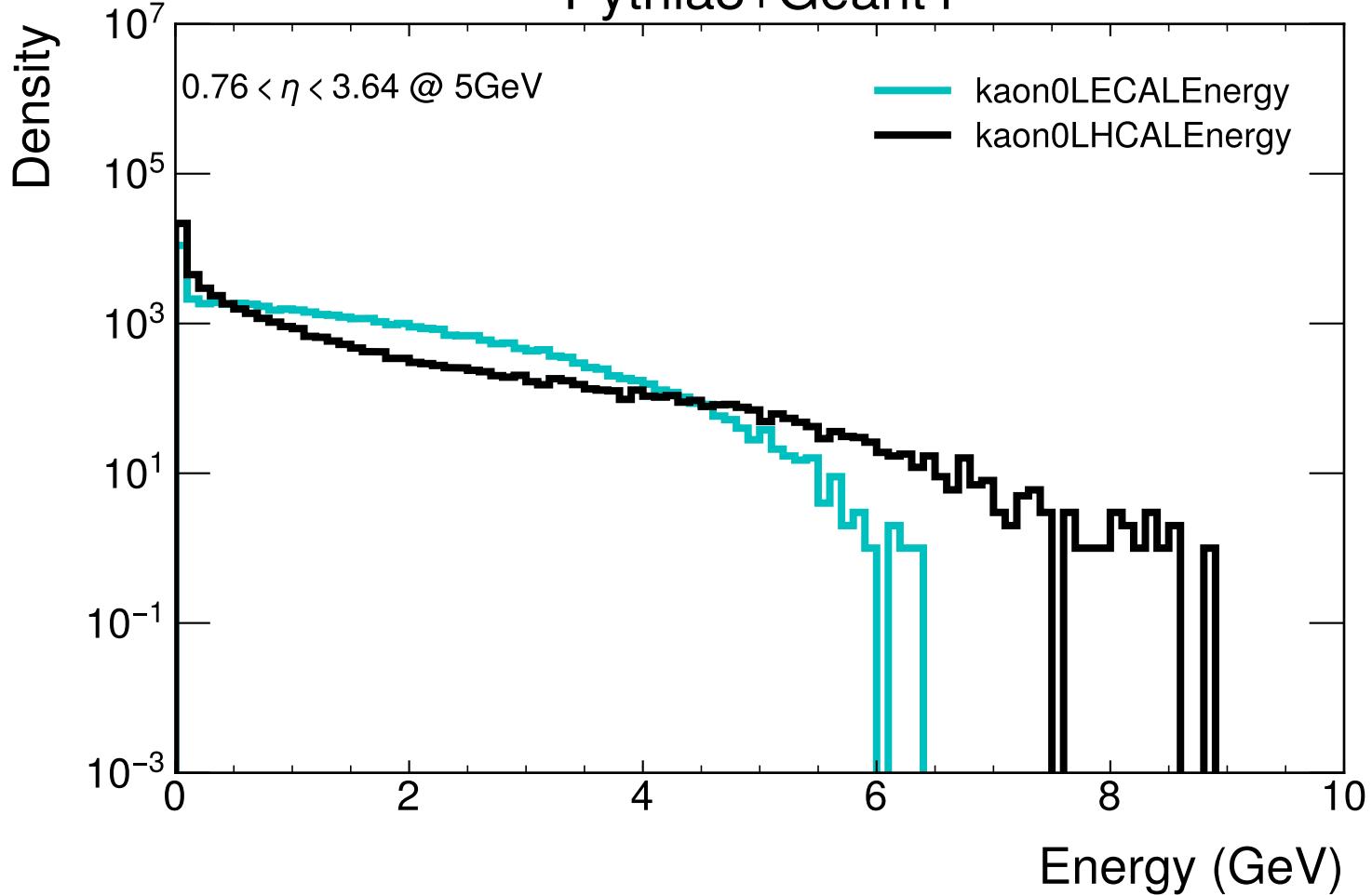
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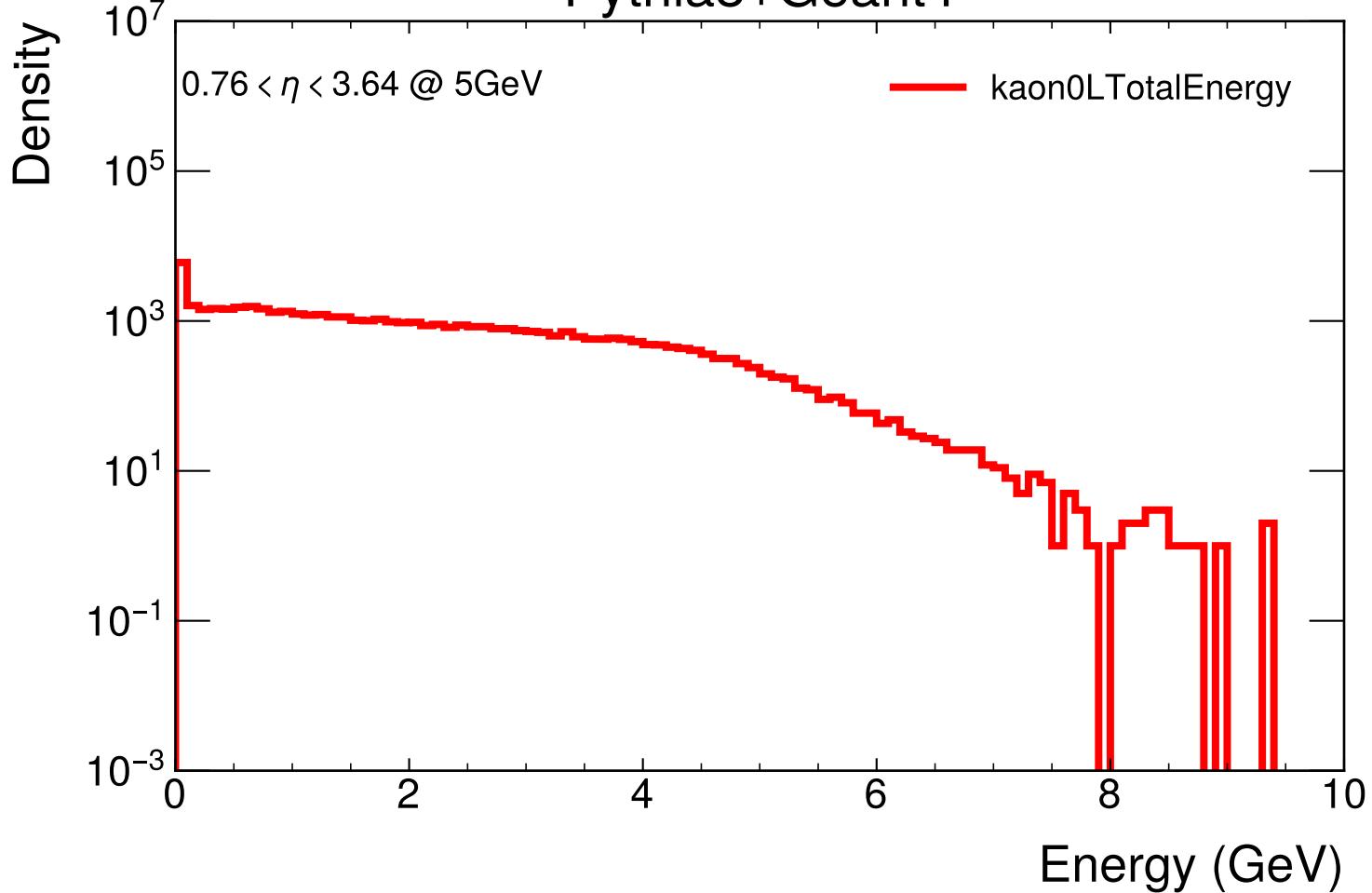
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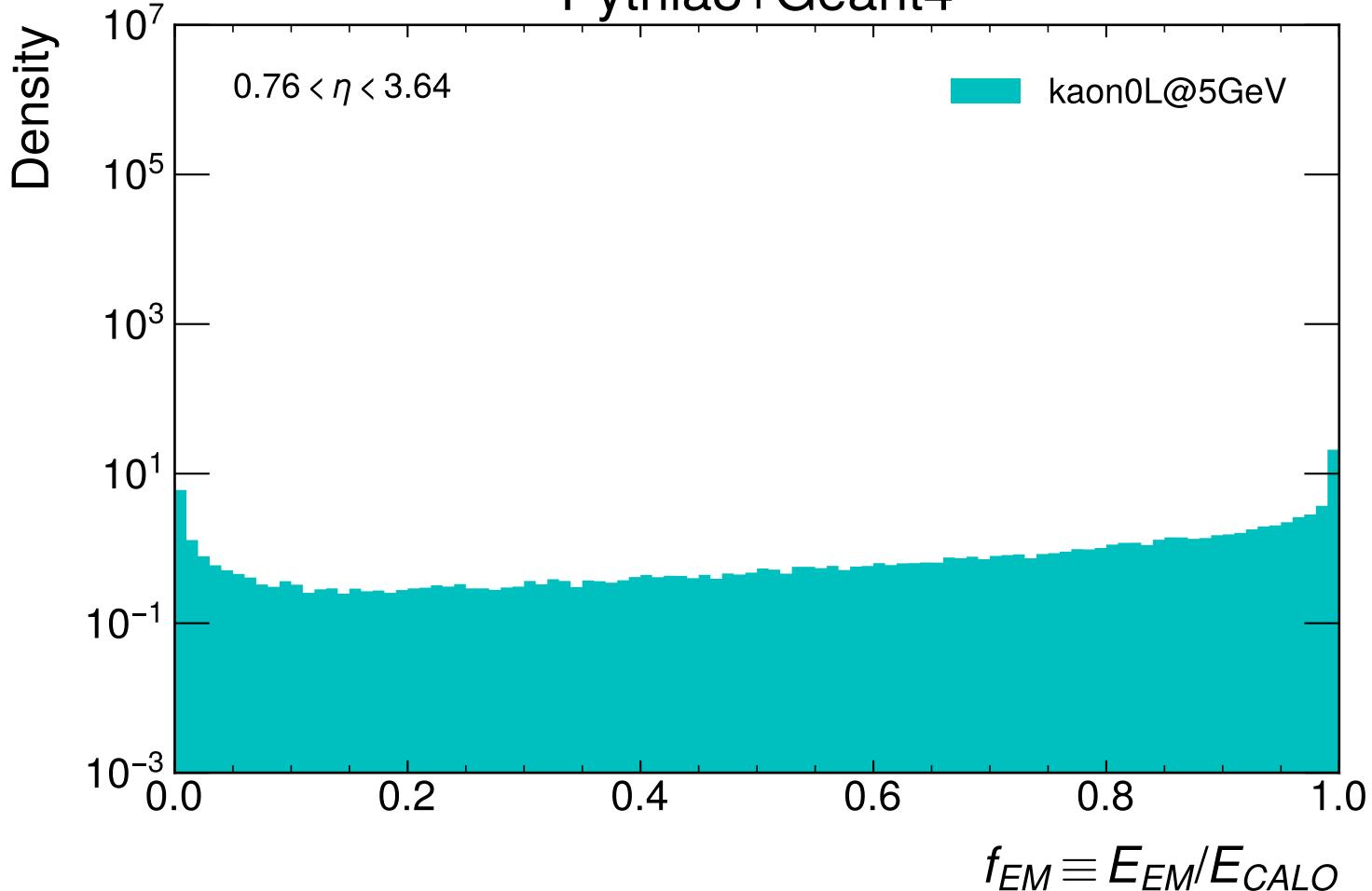
ATHENA simulation [DD4hep] Pythia8+Geant4



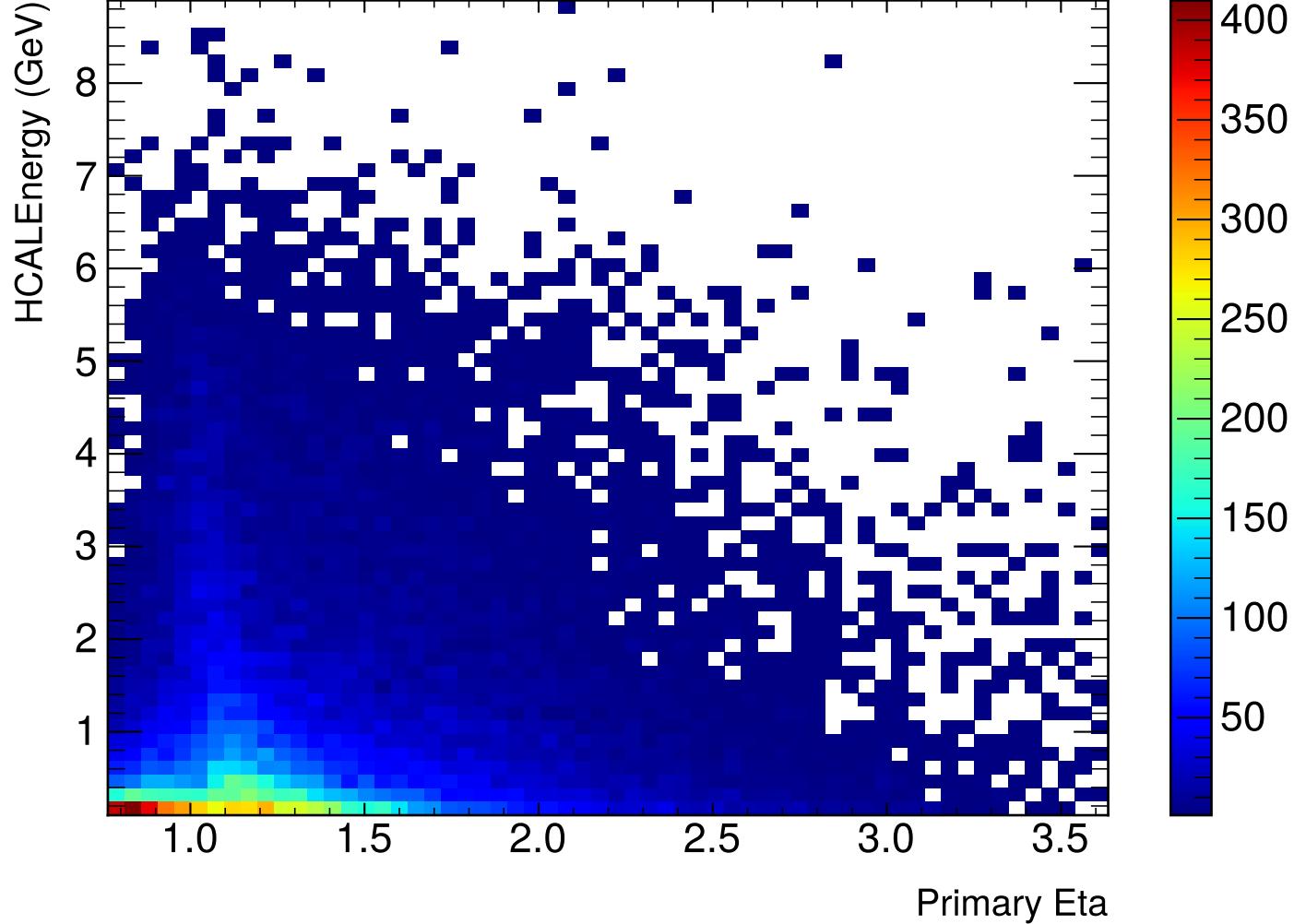
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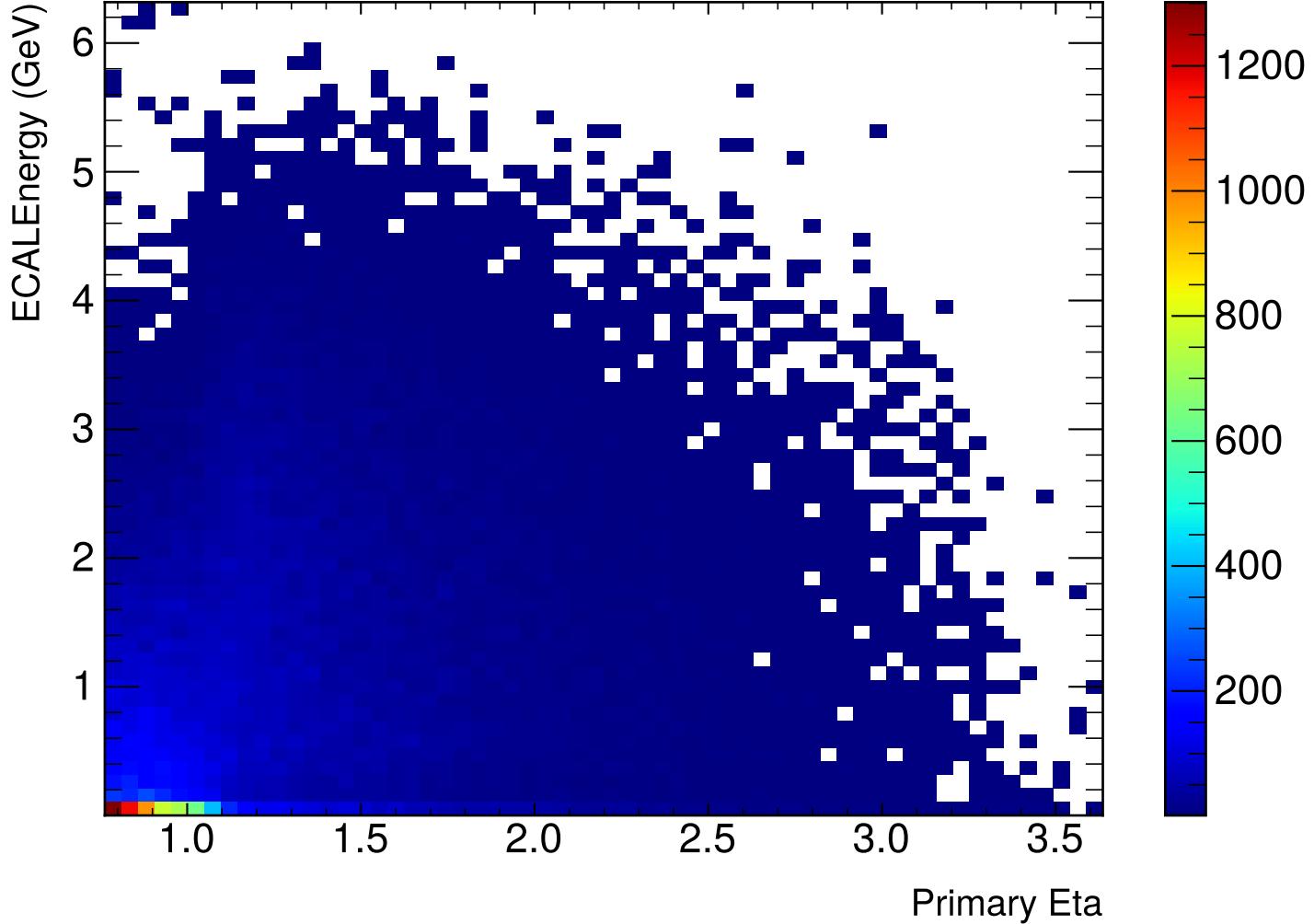
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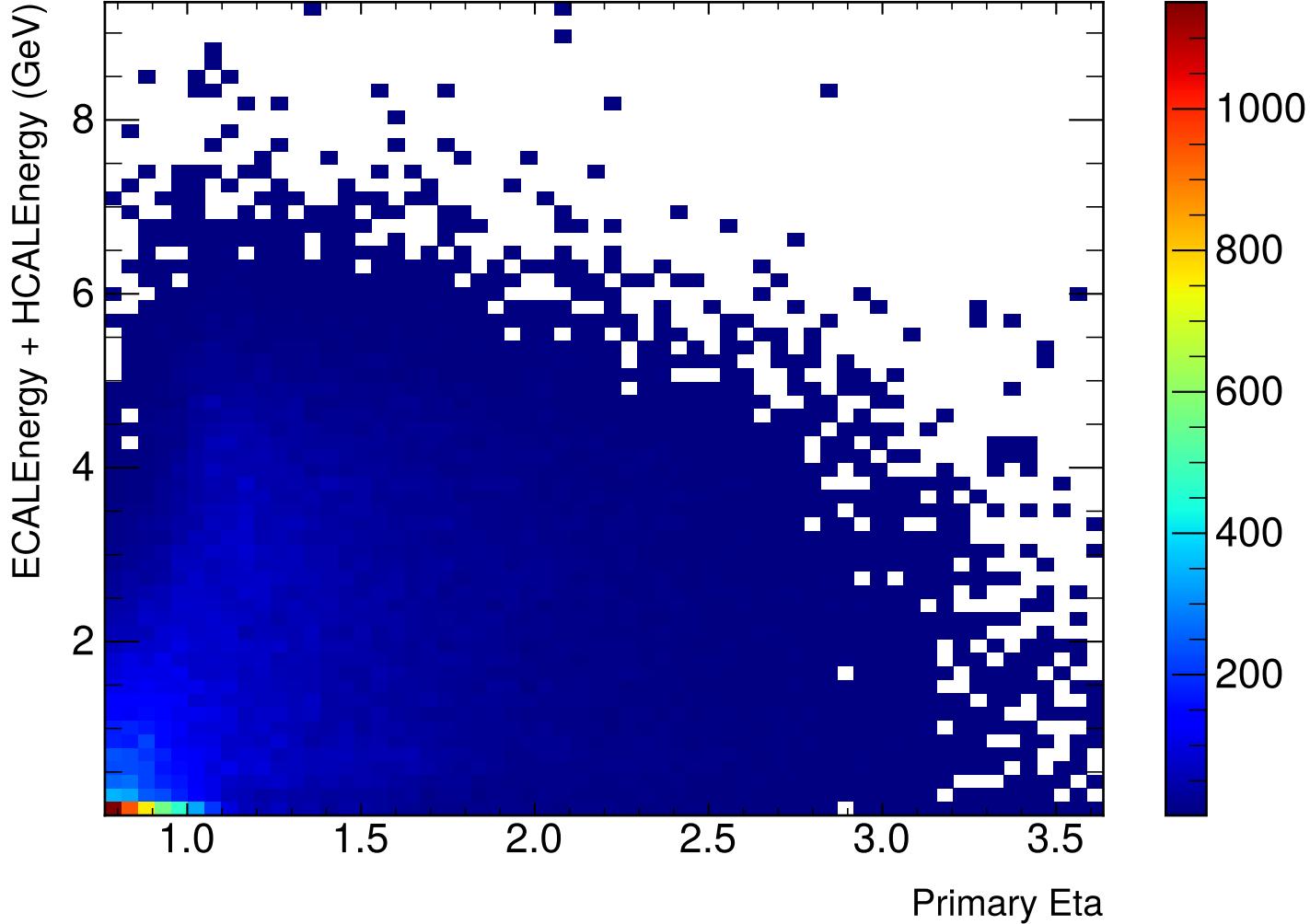
kaon0L@5GeV spanning $0.76 < \eta < 3.64$



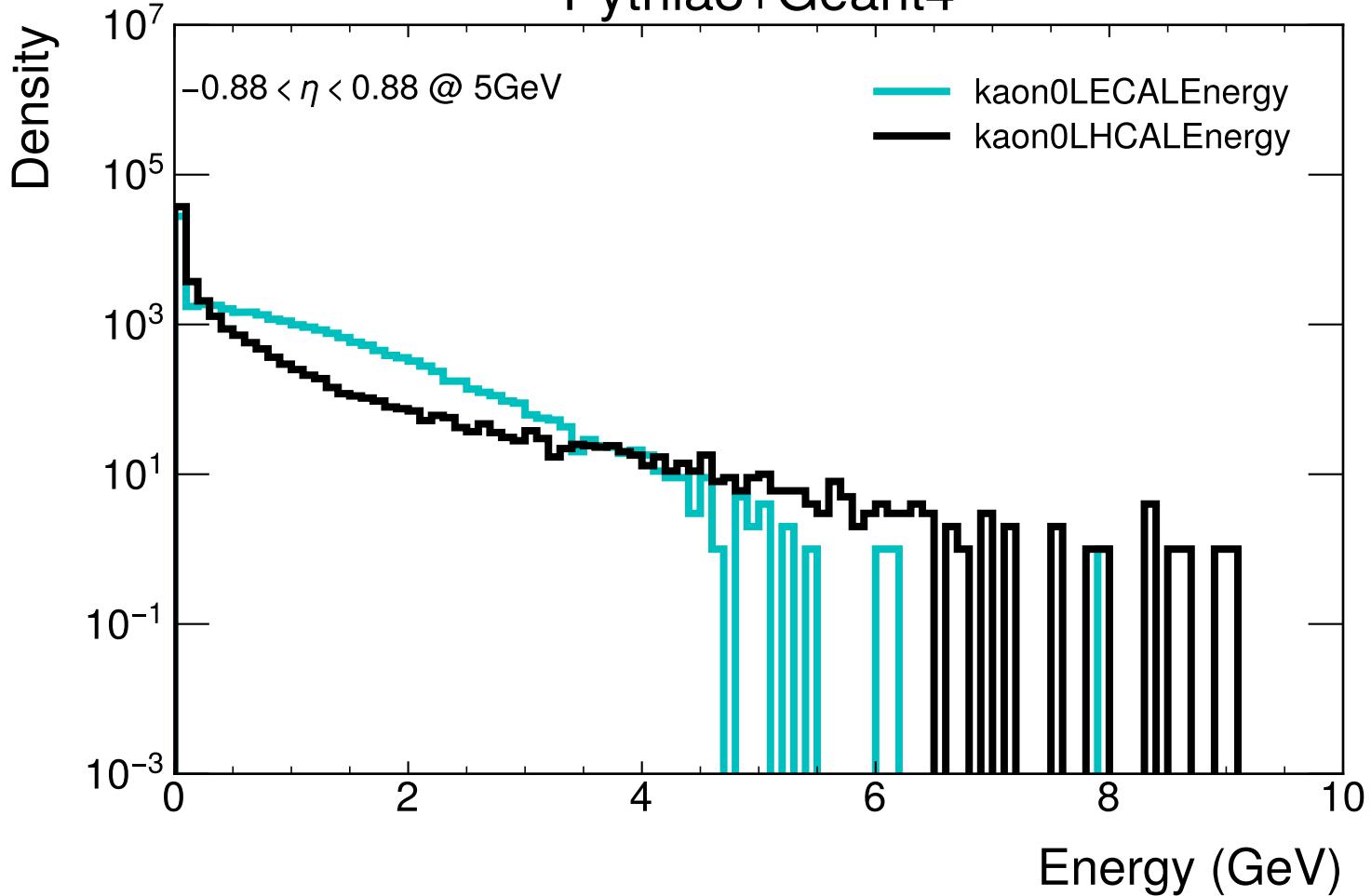
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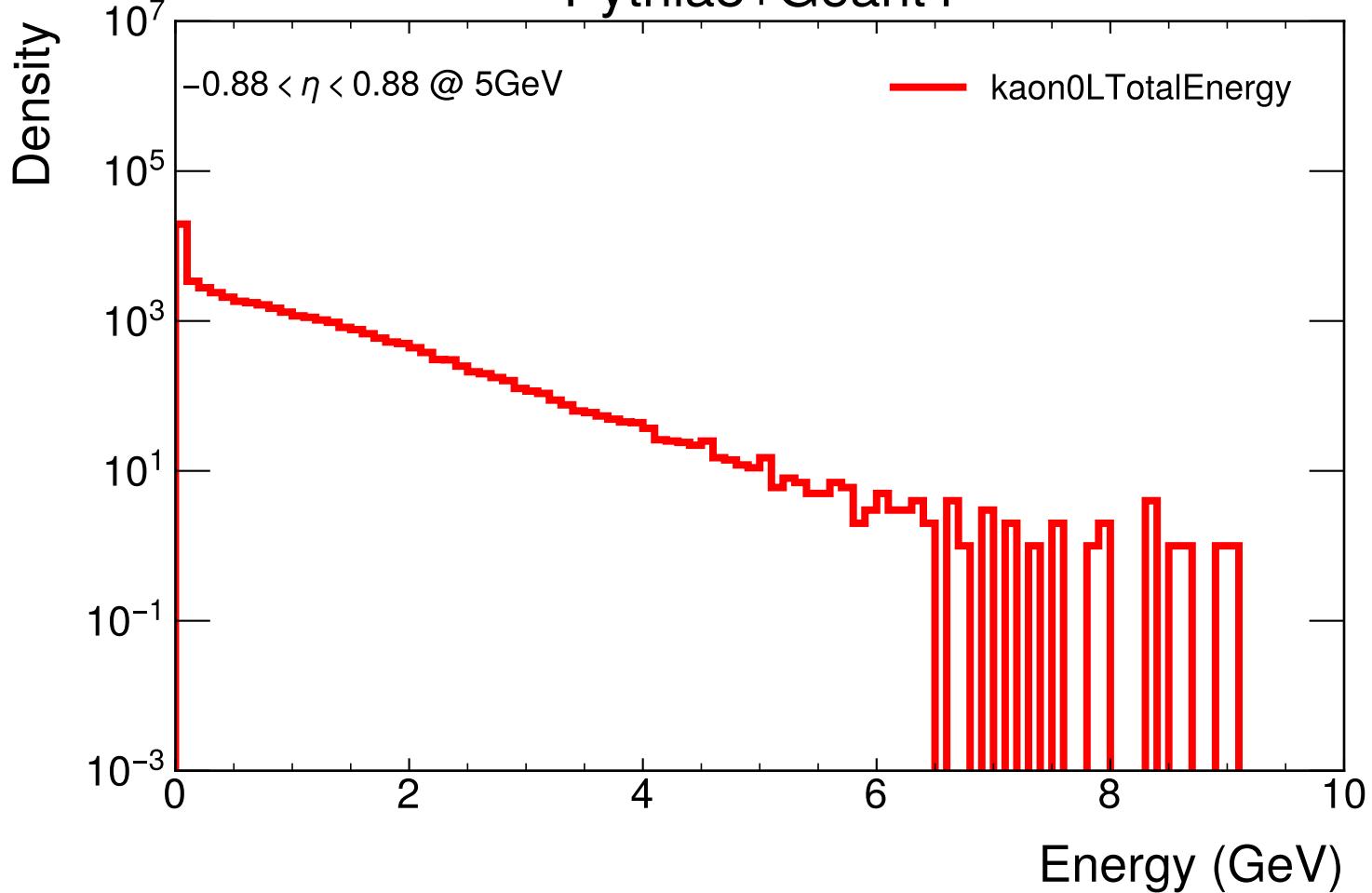
kaon0L@5GeV spanning $0.76 < \eta < 3.64$



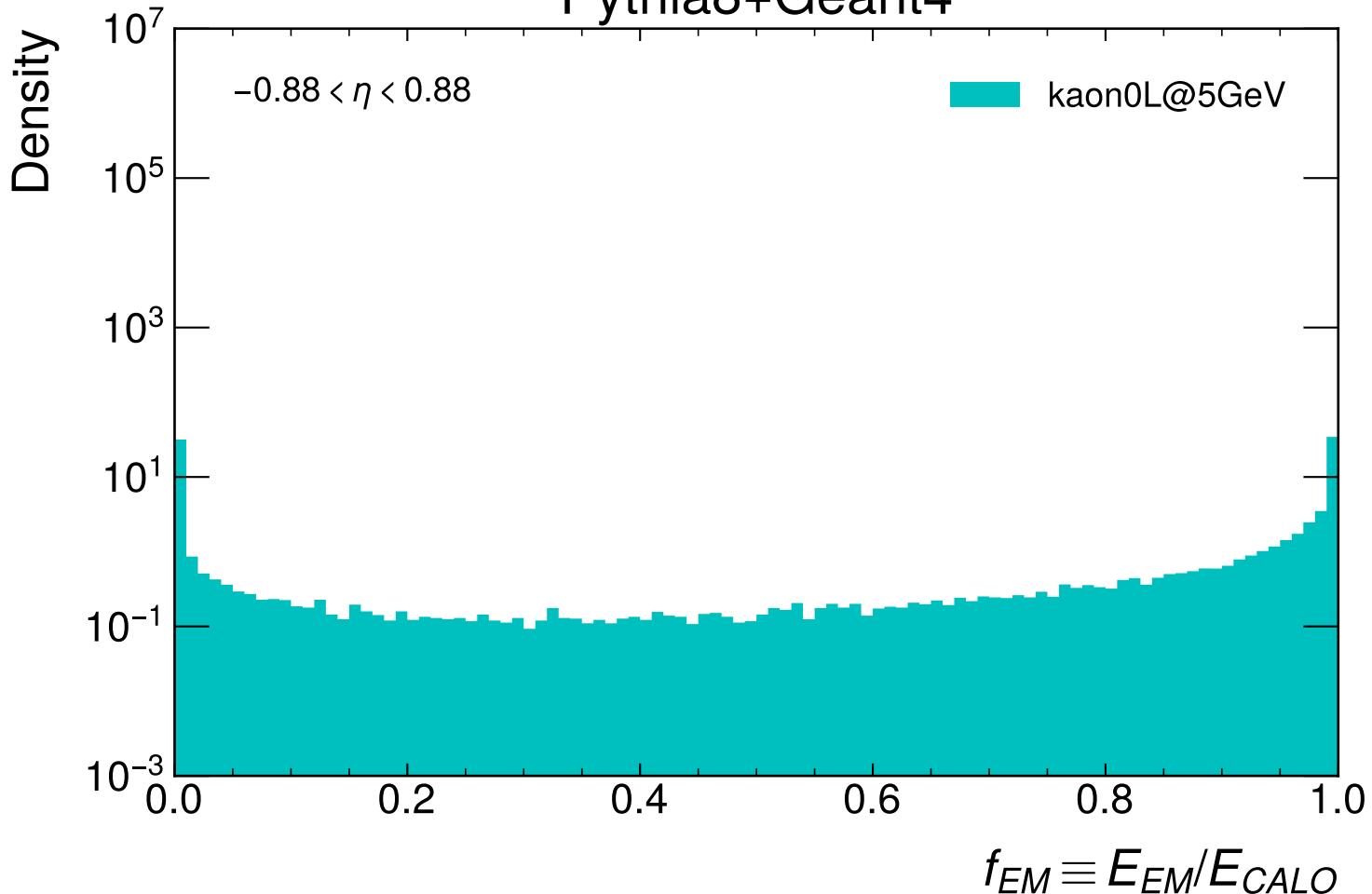
ATHENA simulation [DD4hep] Pythia8+Geant4



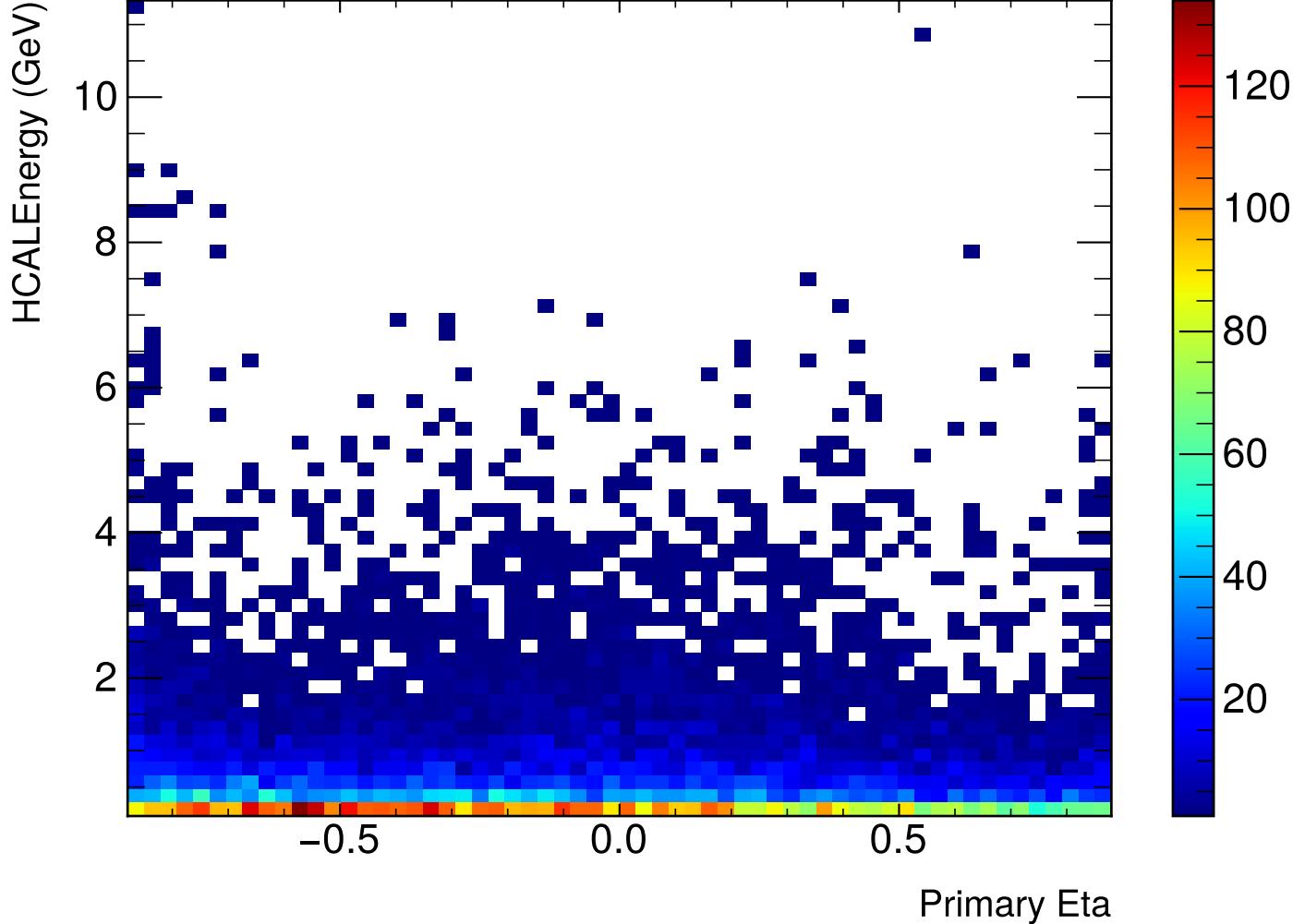
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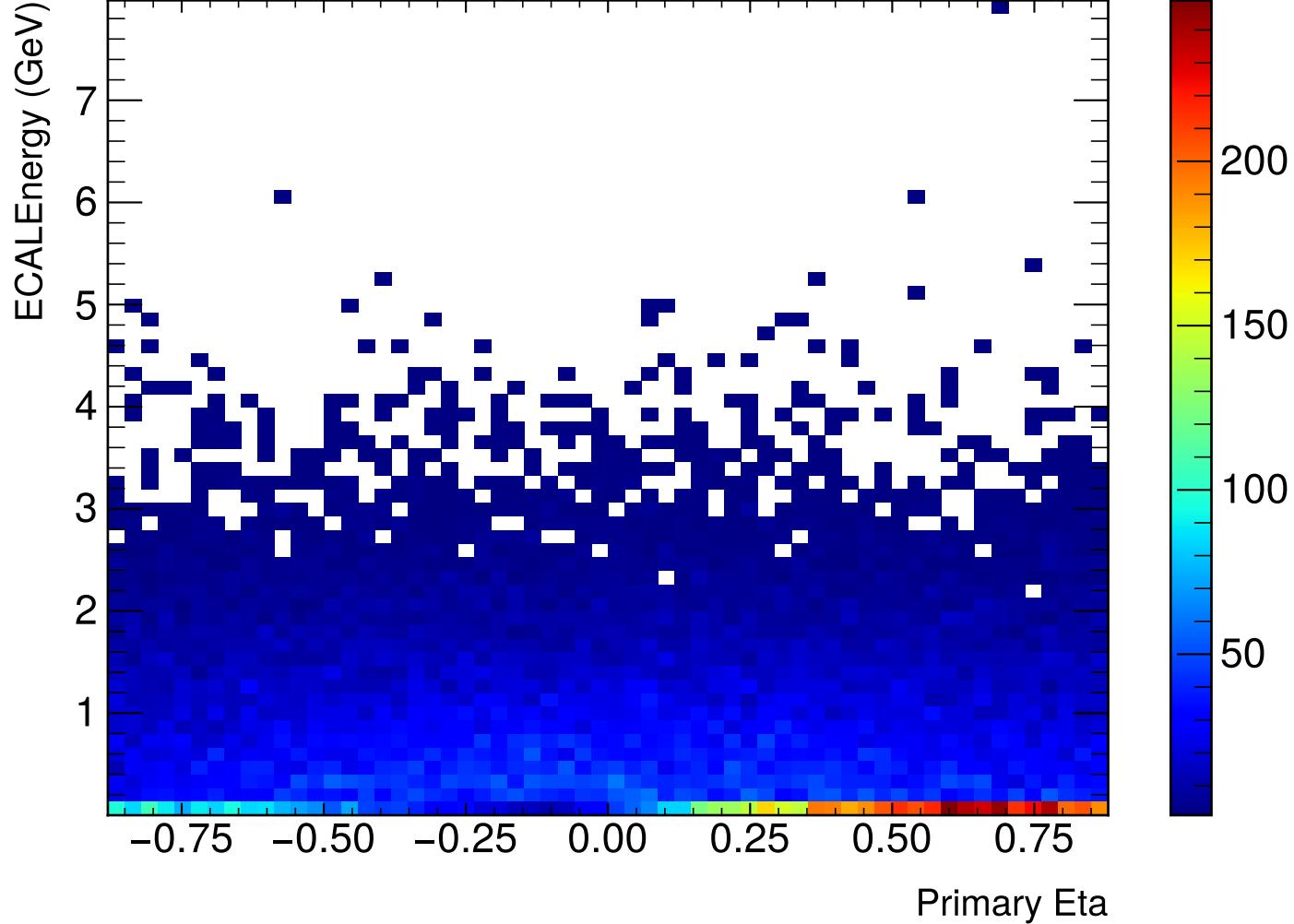
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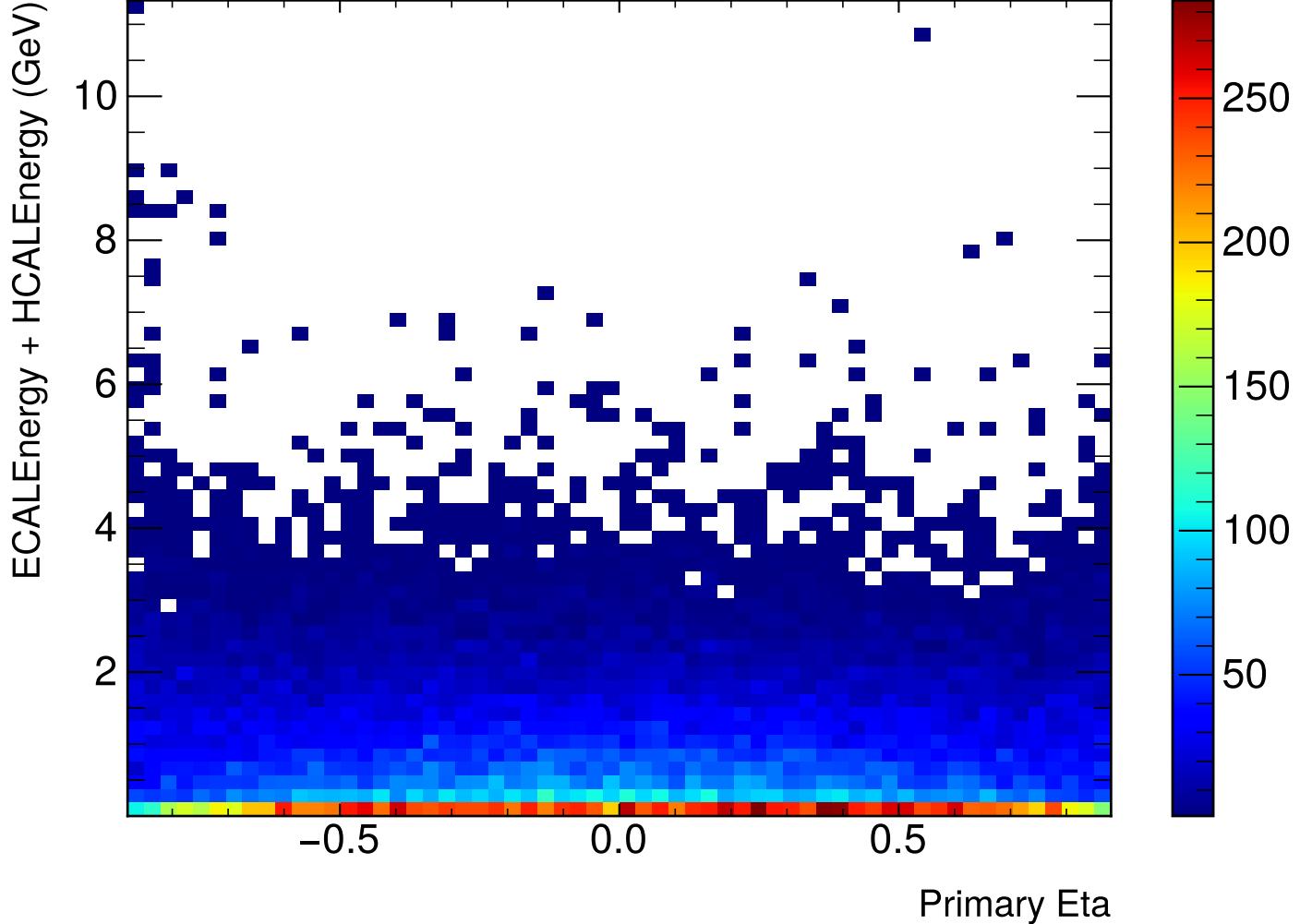
kaon0L@5GeV spanning $-0.88 < \eta < 0.88$



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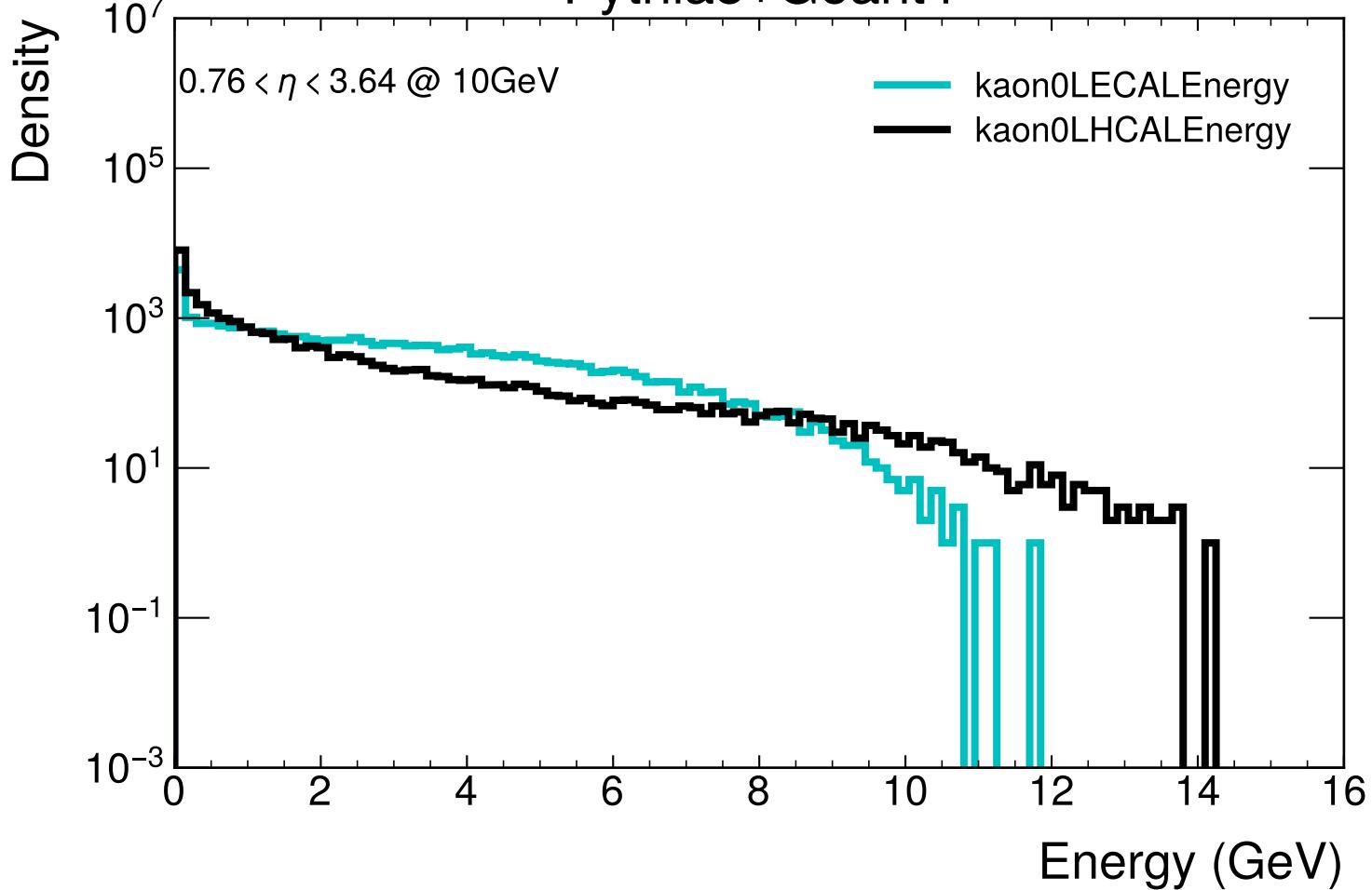


kaon0L@5GeV spanning $-0.88 < \eta < 0.88$



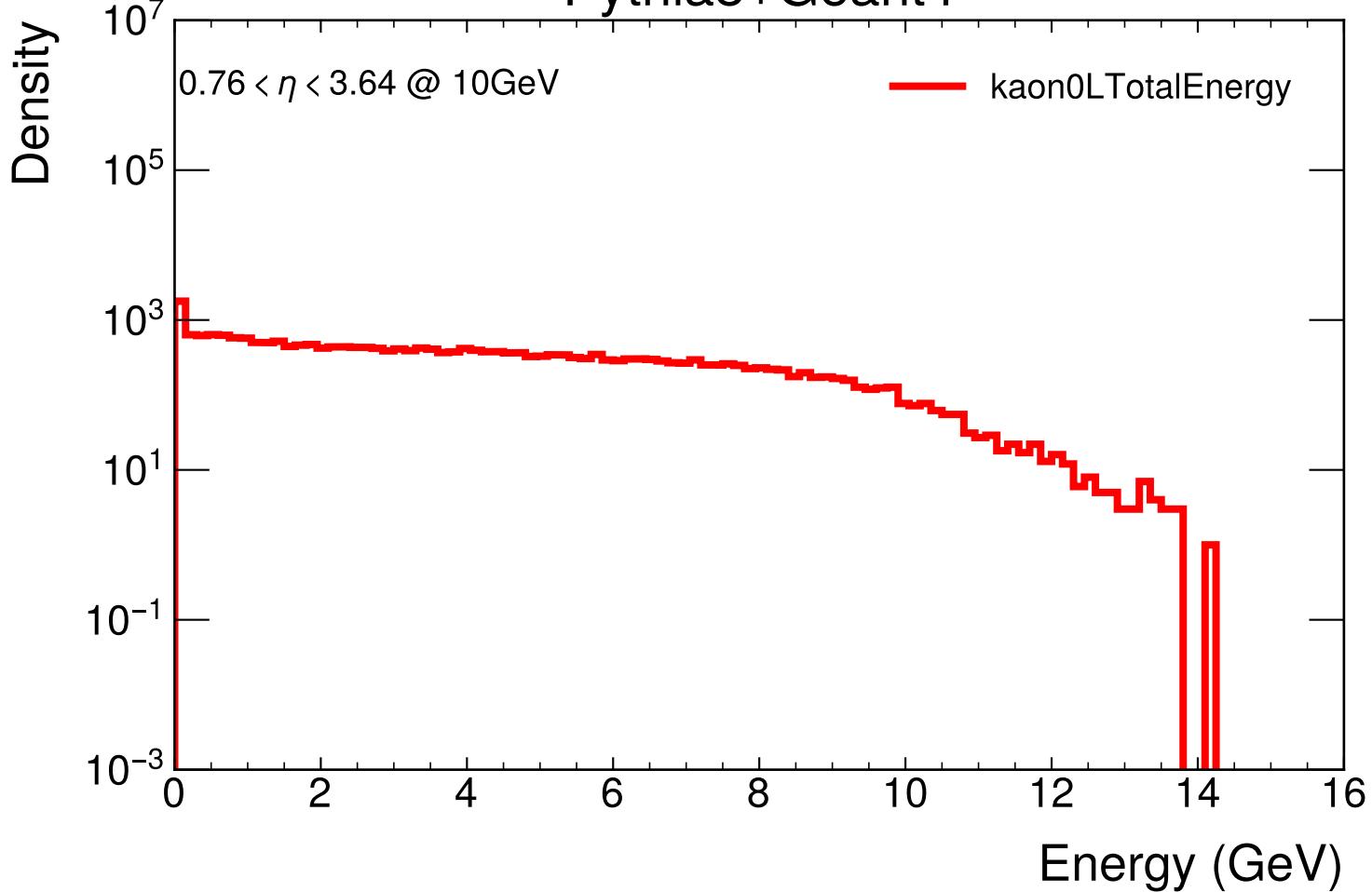
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Pythia8+Geant4

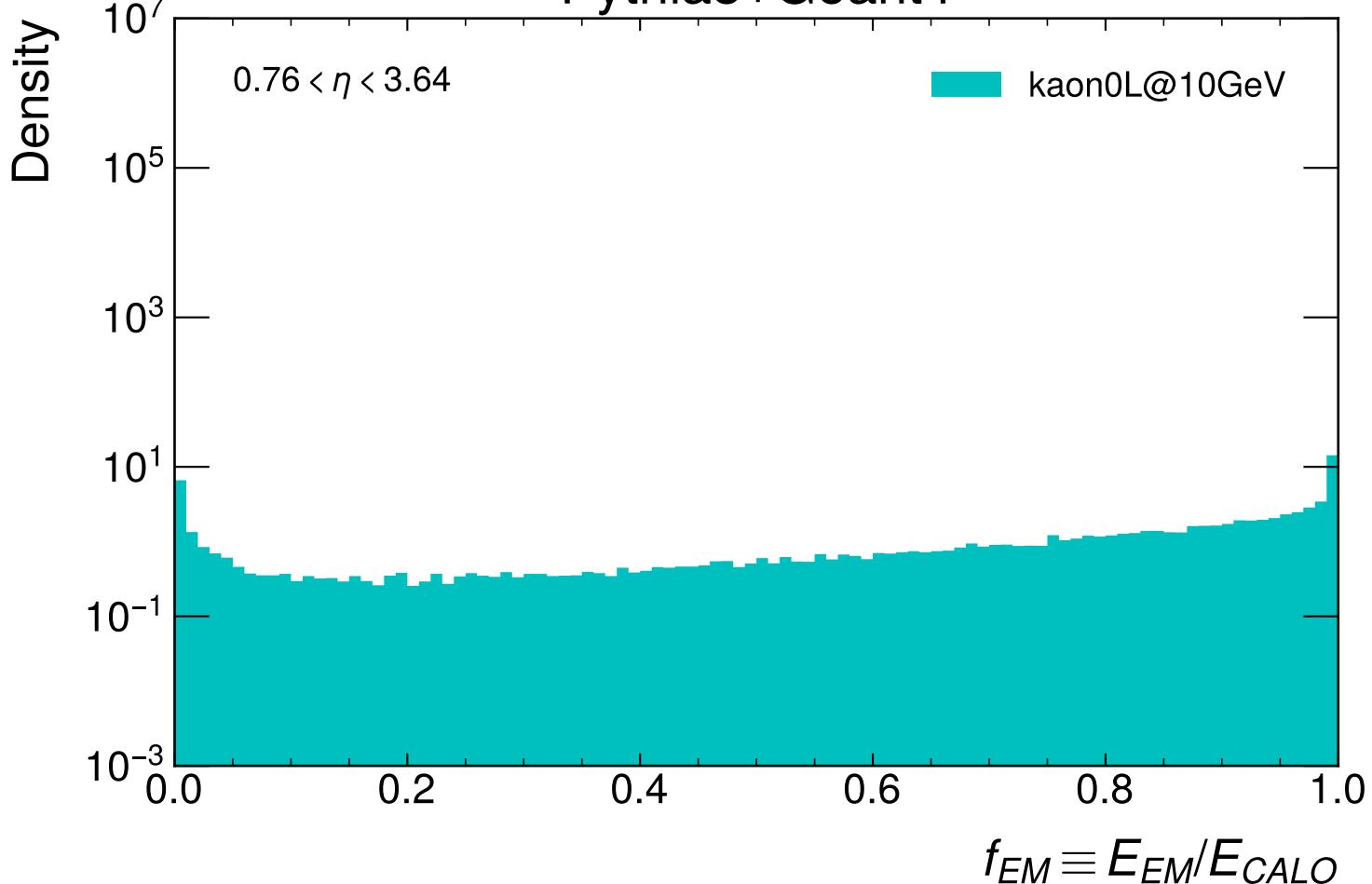


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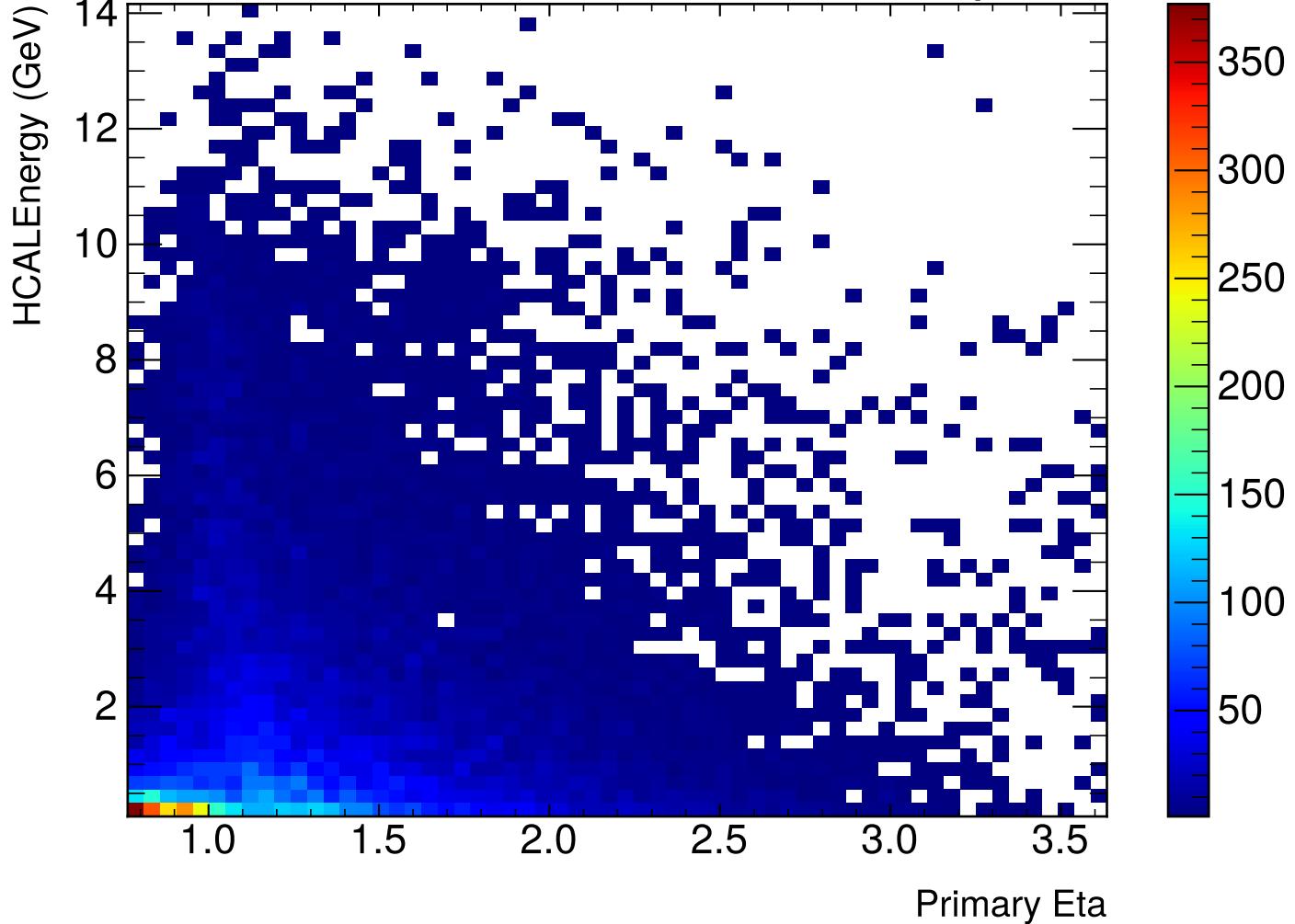
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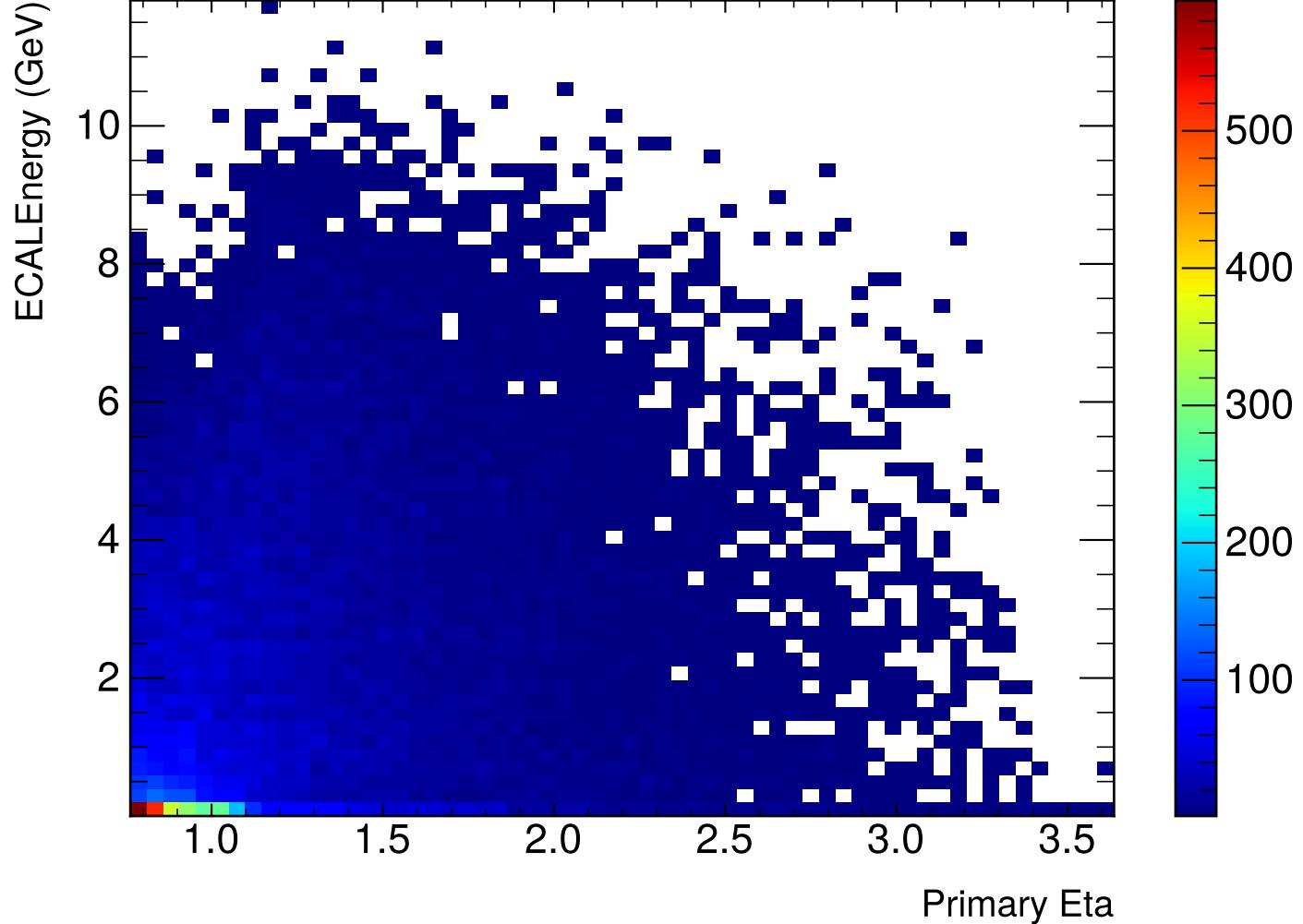
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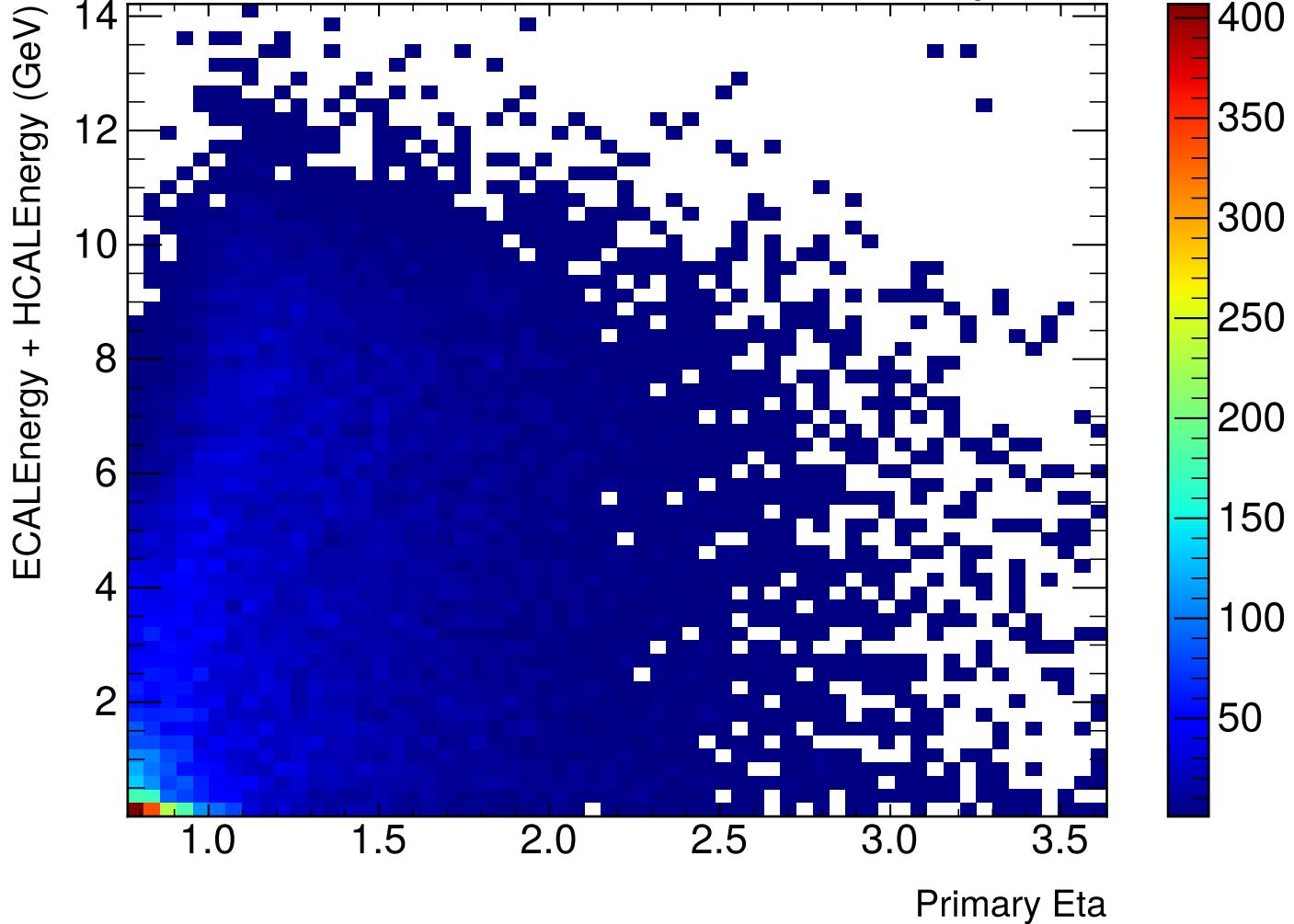
kaon0L@10GeV spanning $0.76 < \eta < 3.64$



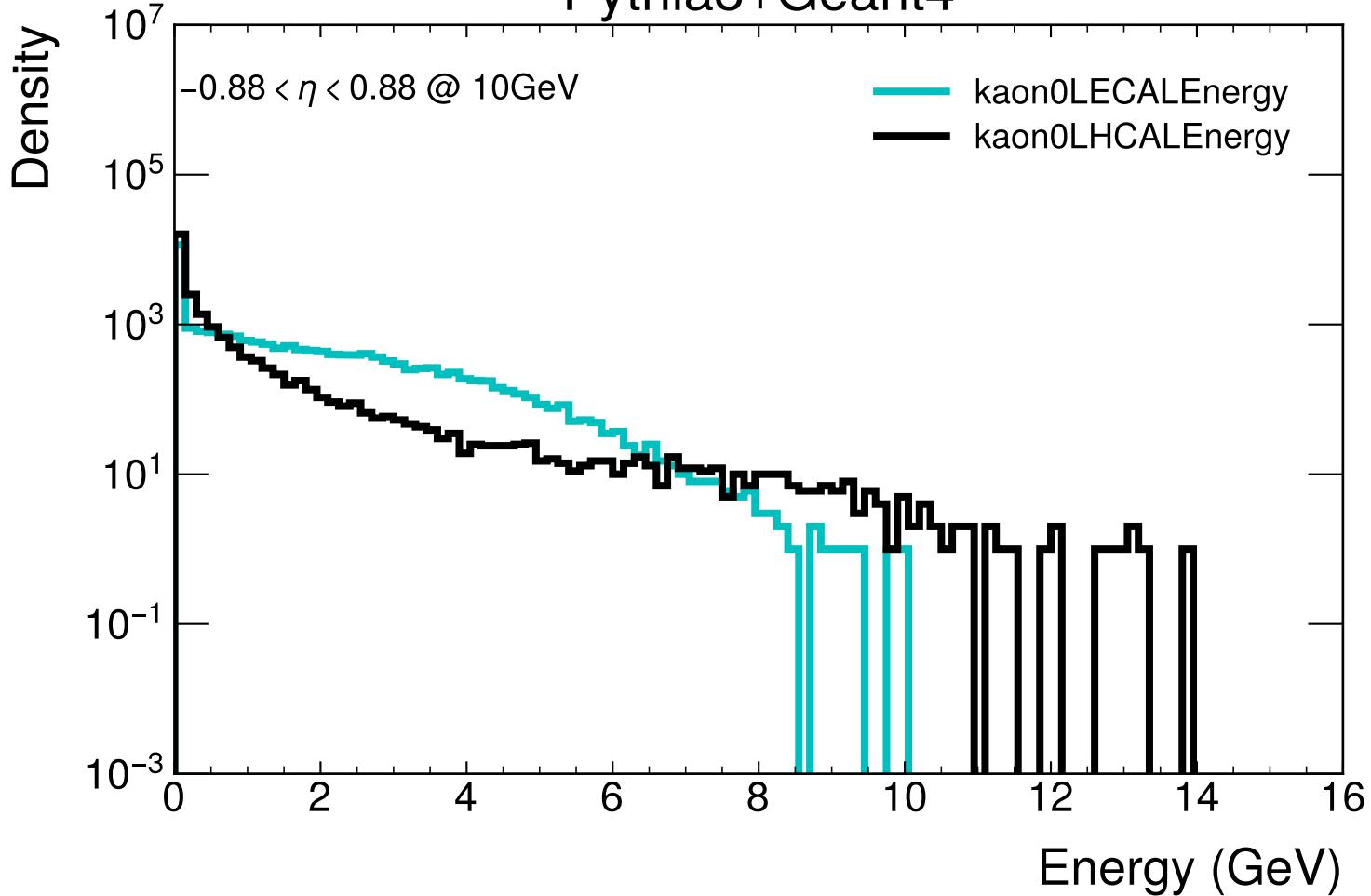
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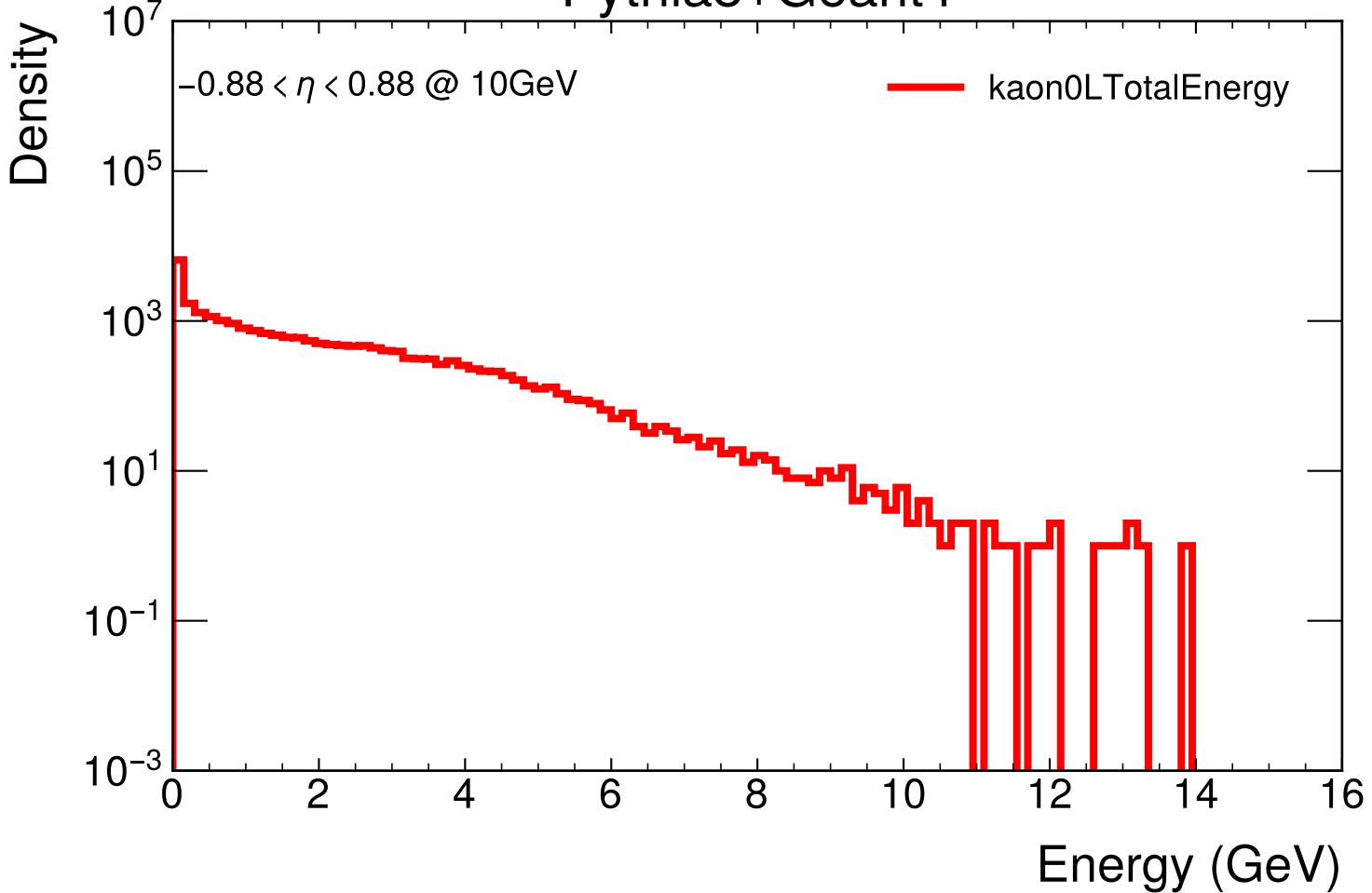


ATHENA simulation [DD4hep] Pythia8+Geant4

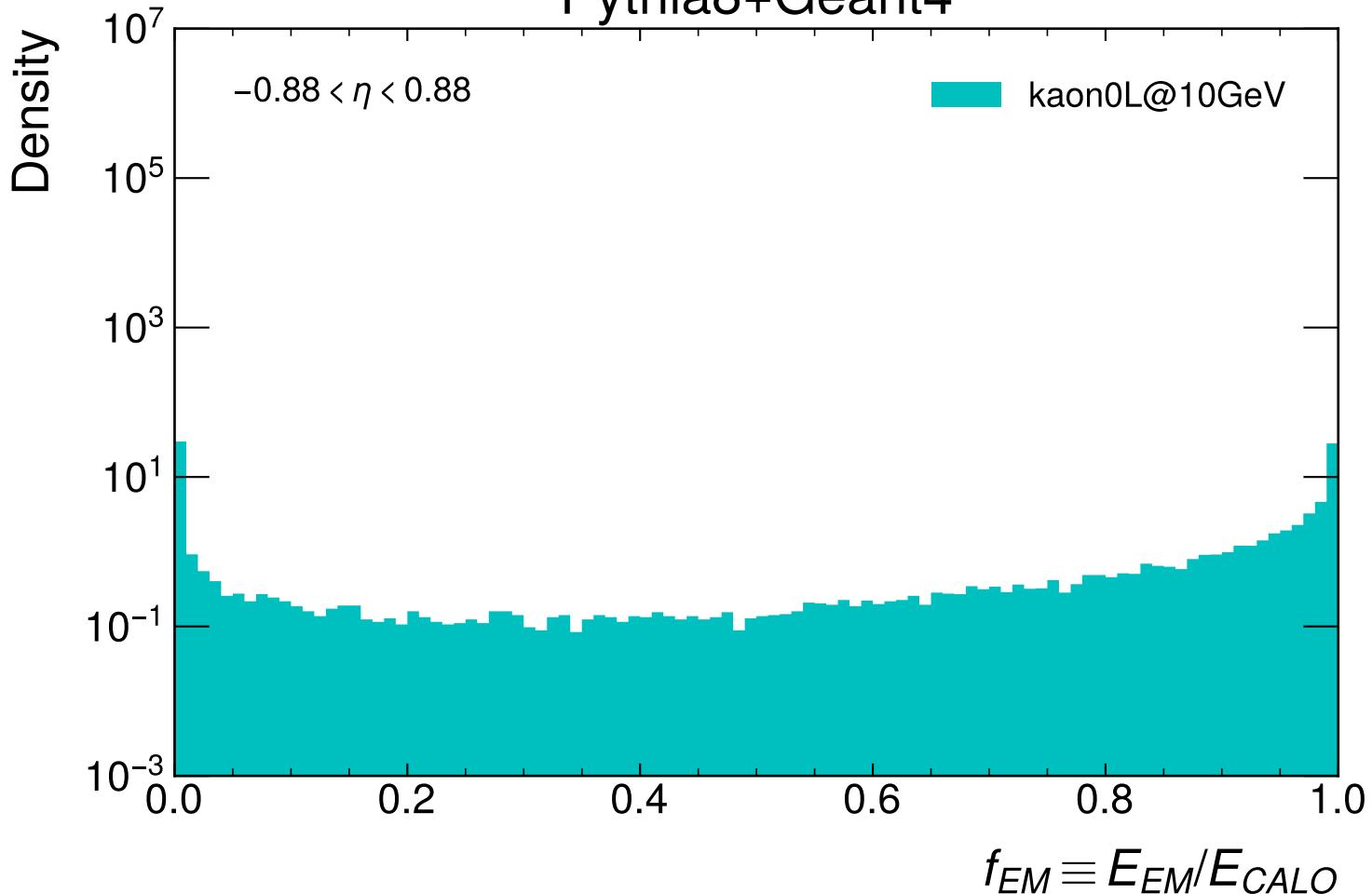


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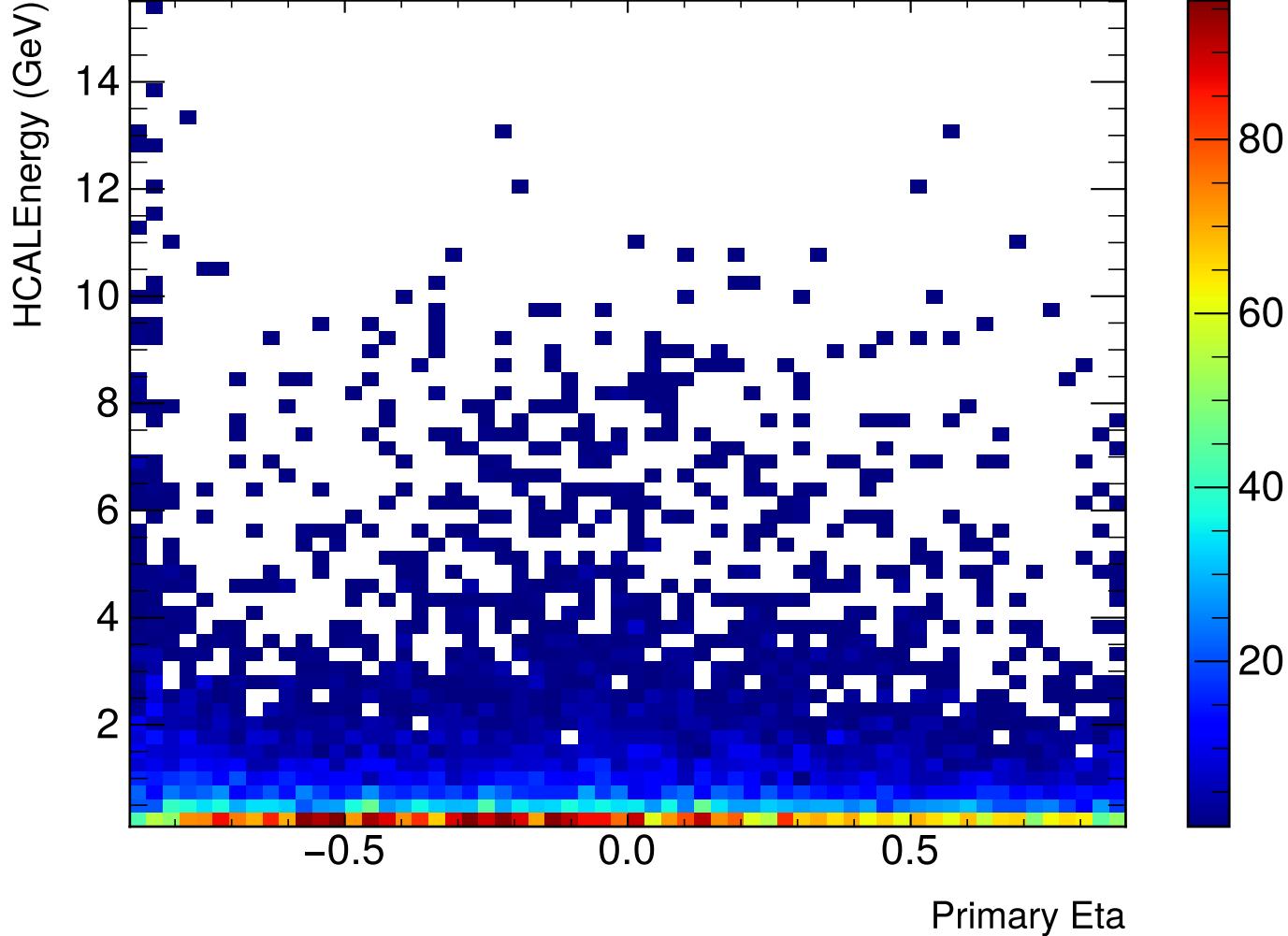
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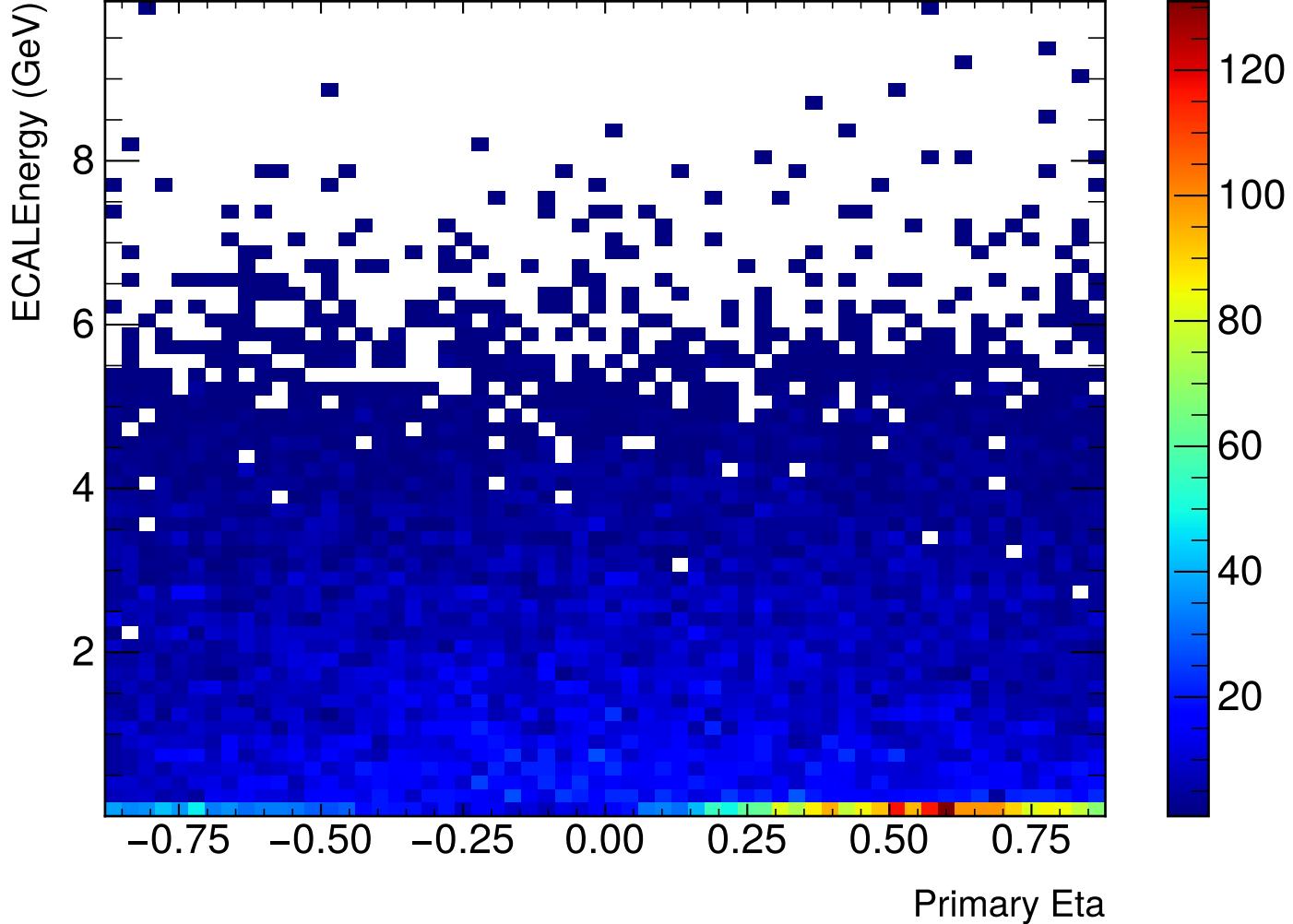
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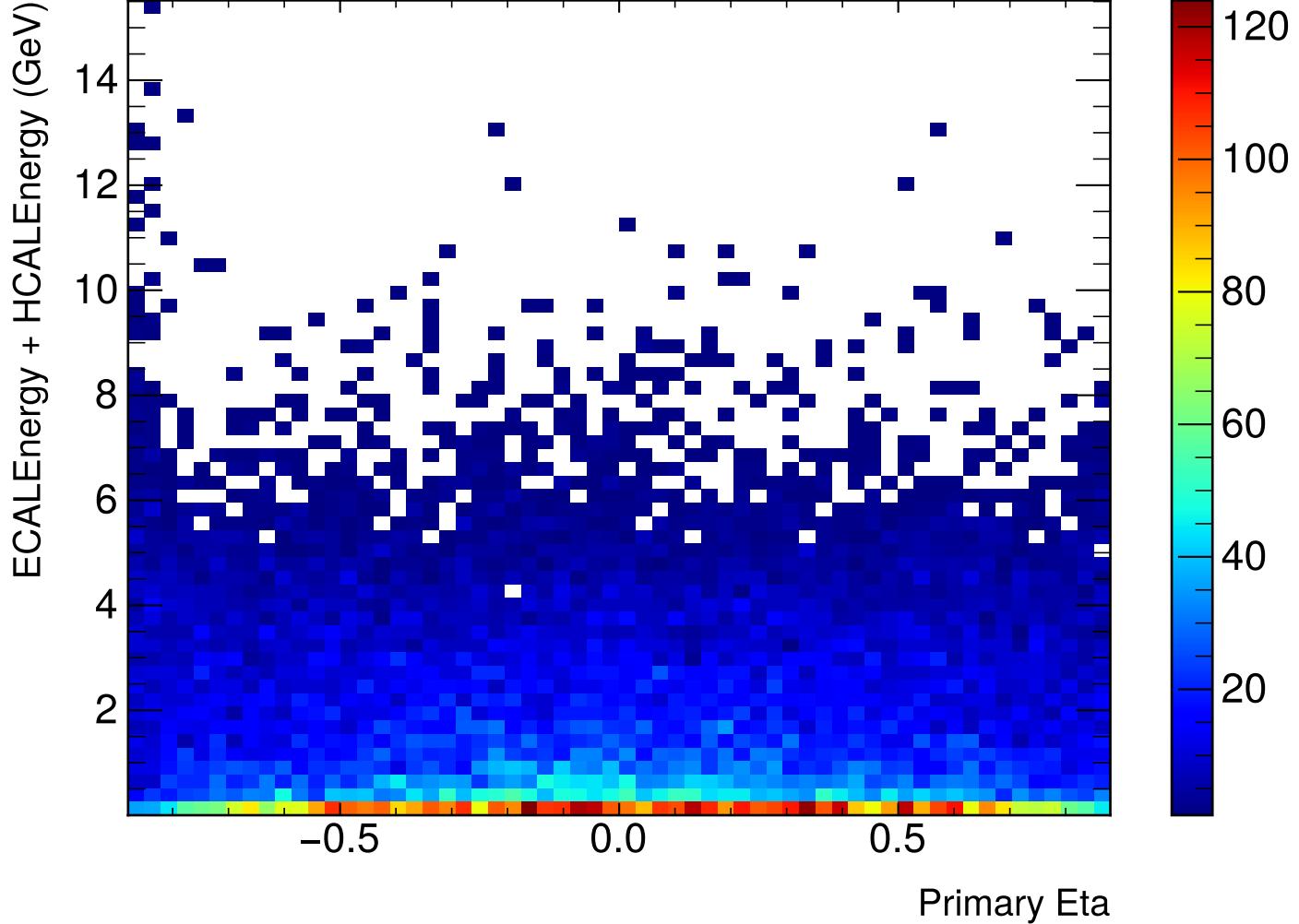
kaon0L@10GeV spanning $-0.88 < \eta < 0.88$



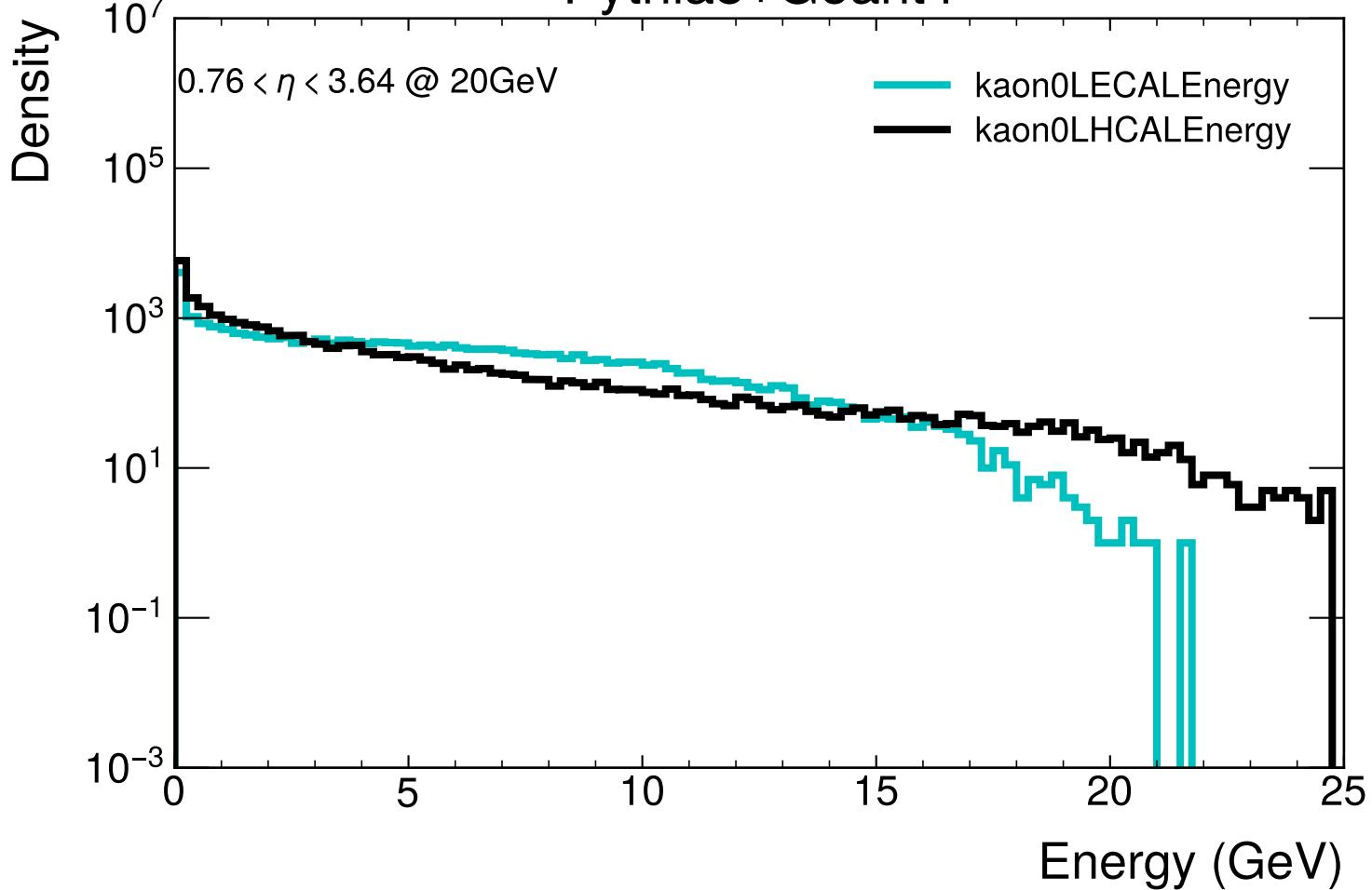
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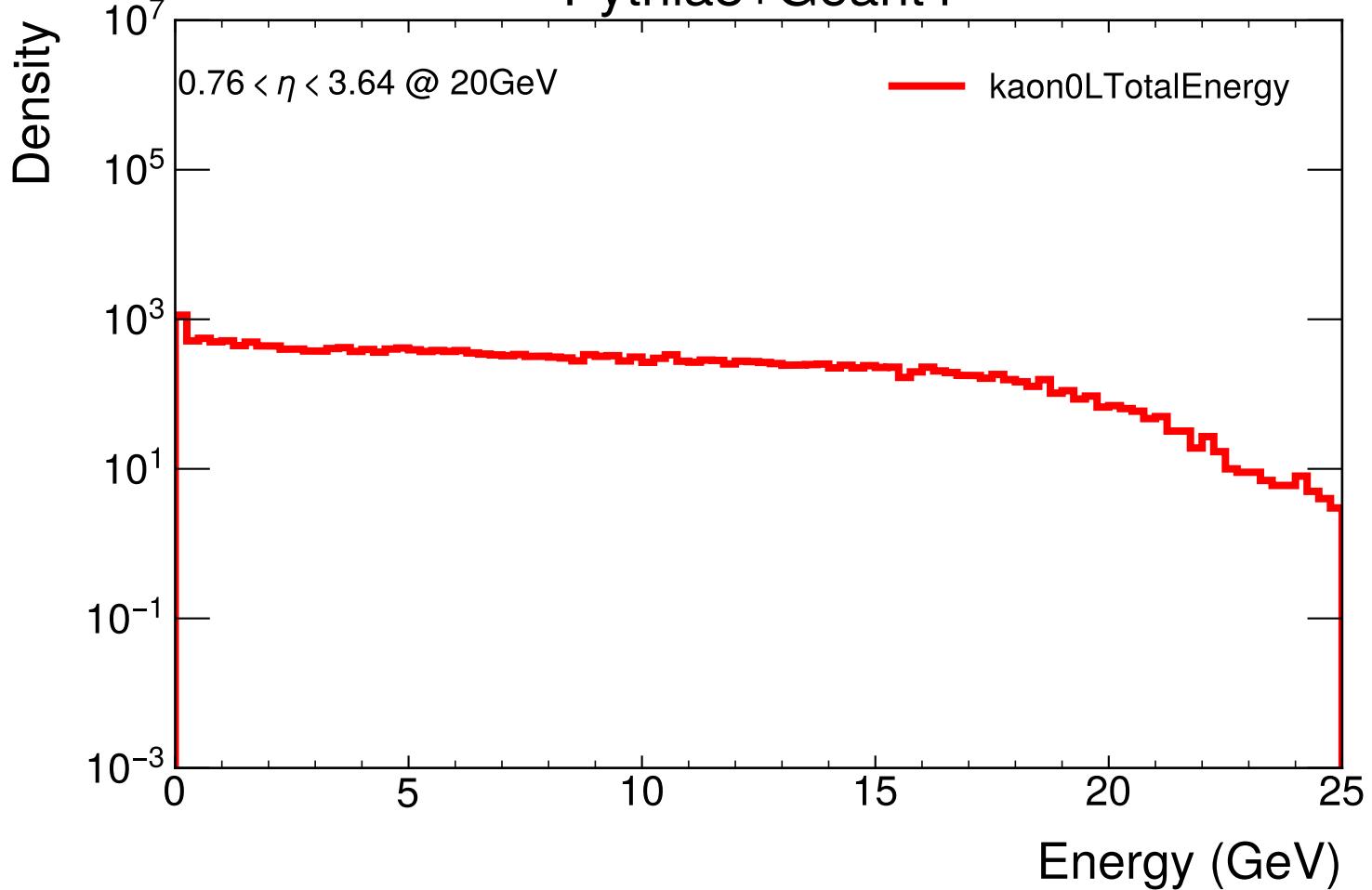


ATHENA simulation [DD4hep] Pythia8+Geant4



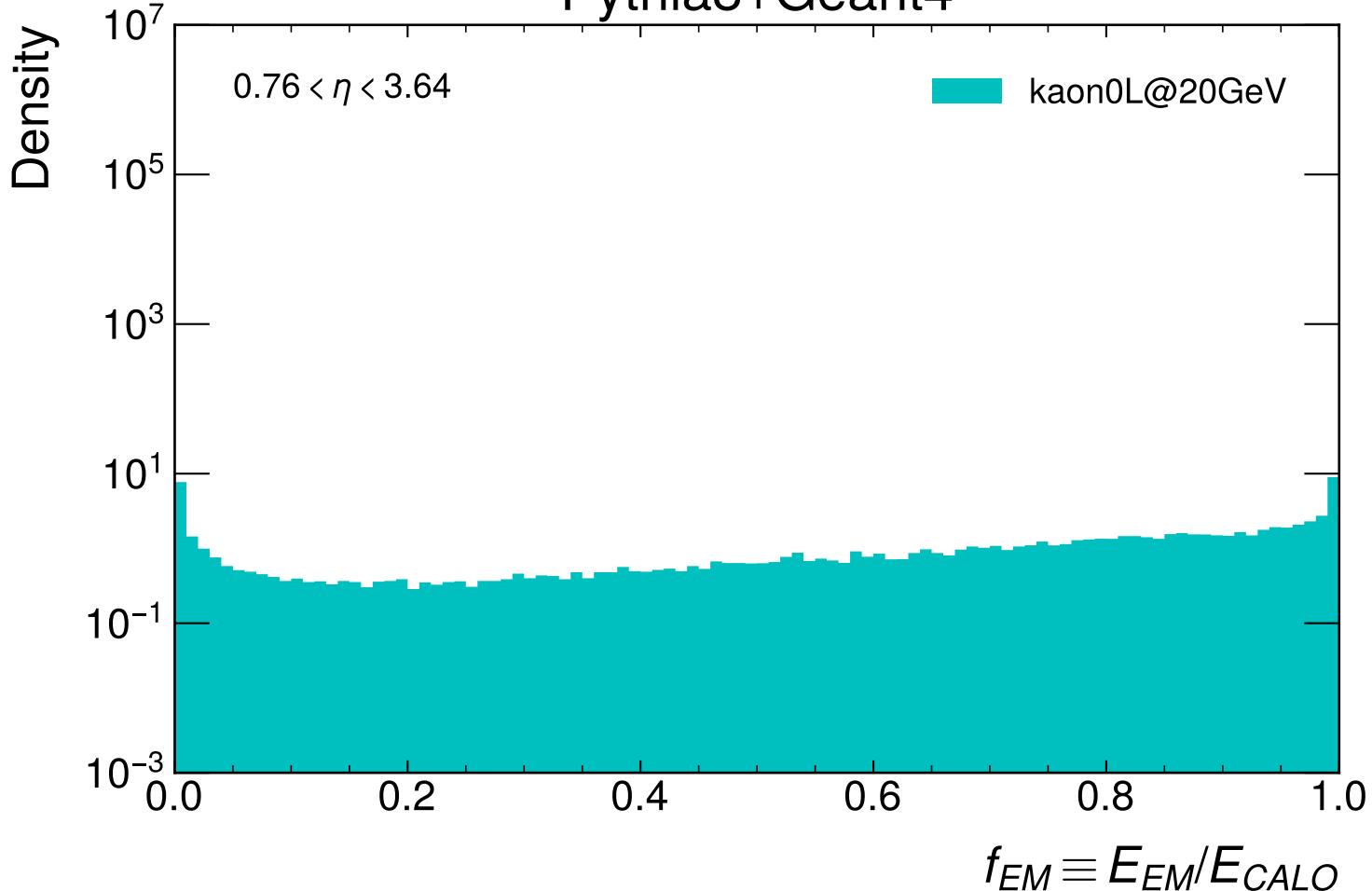
ATHENA simulation [DD4hep]

Pythia8+Geant4

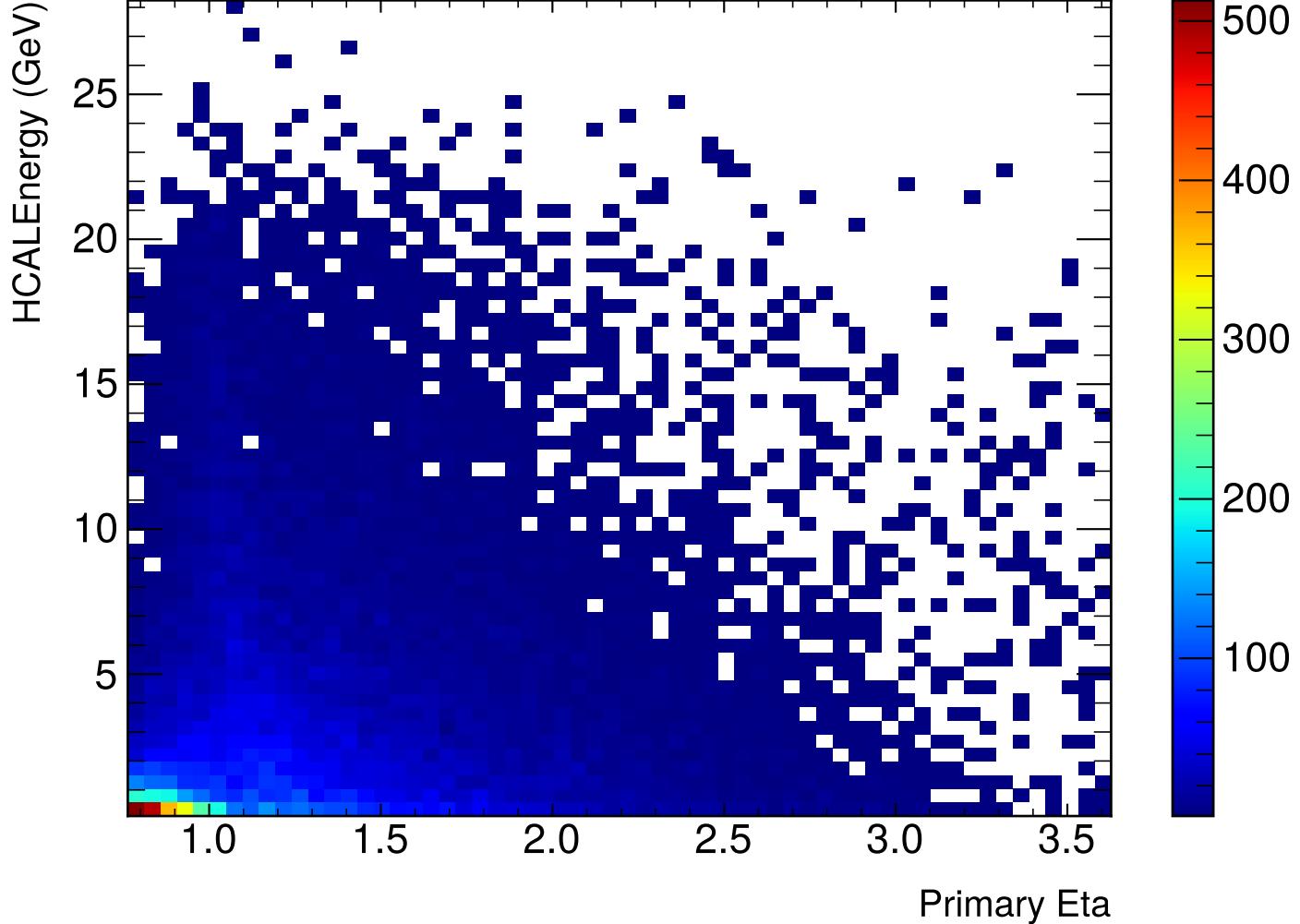


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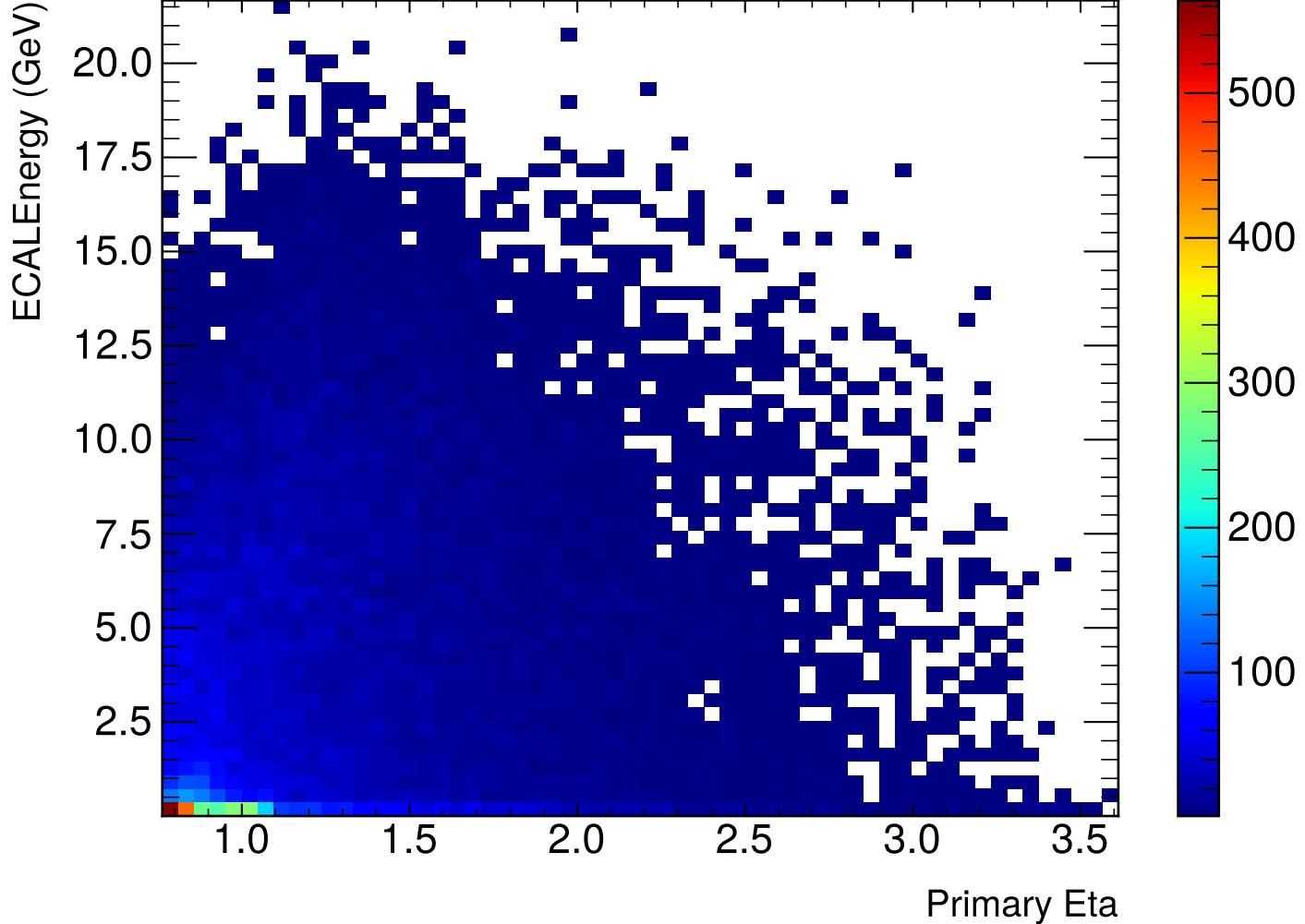
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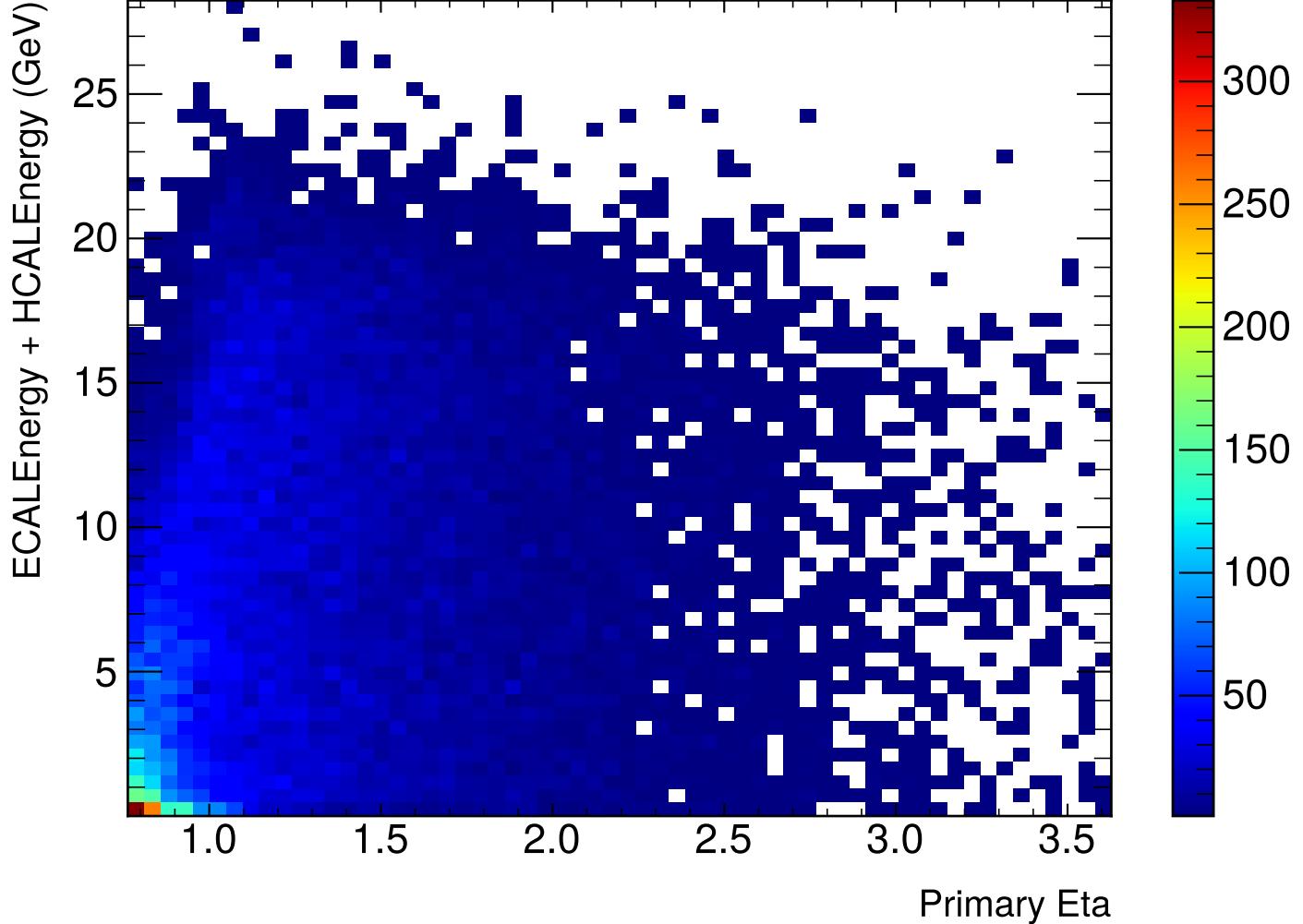
kaon0L@20GeV spanning $0.76 < \eta < 3.64$



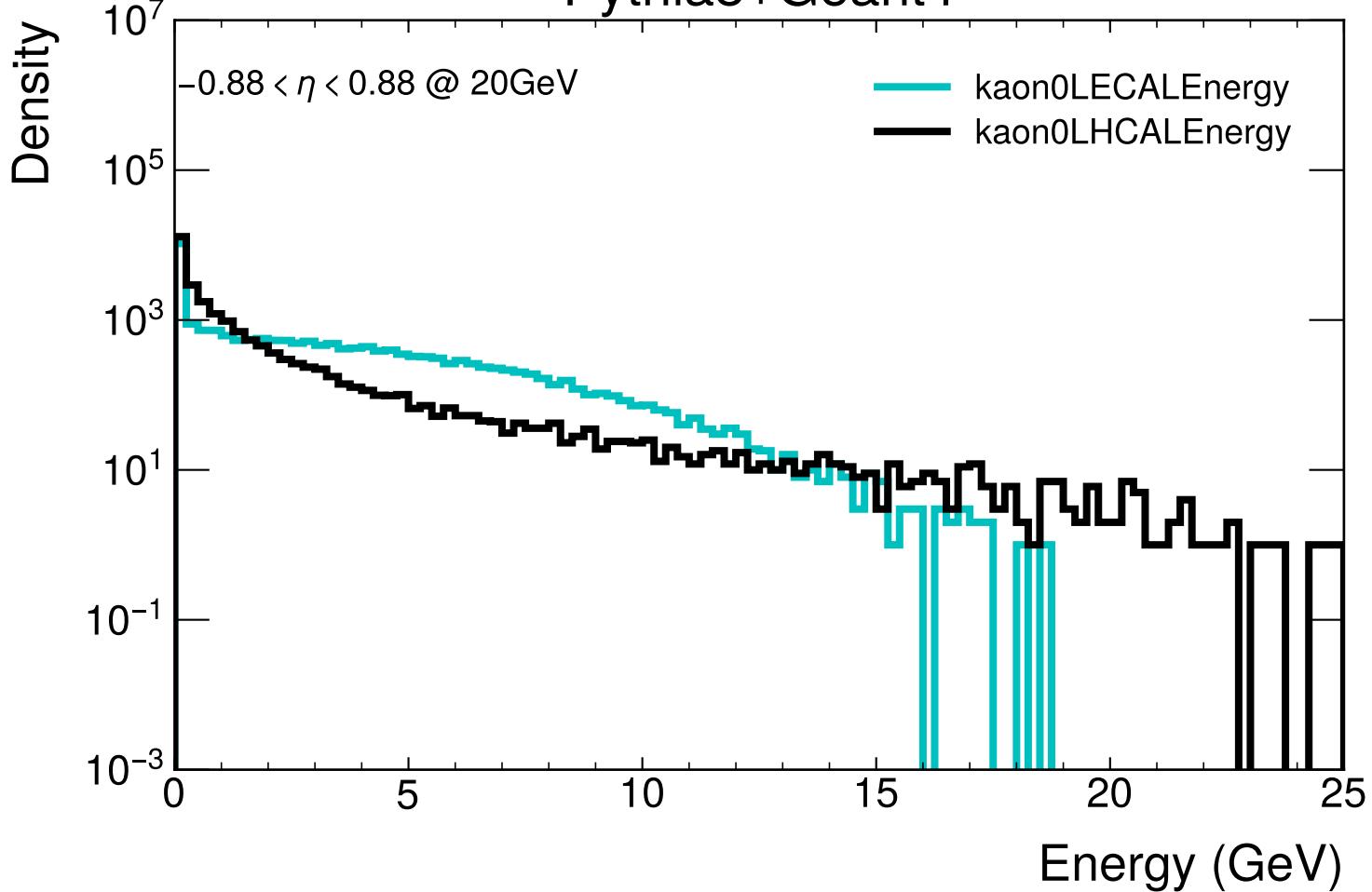
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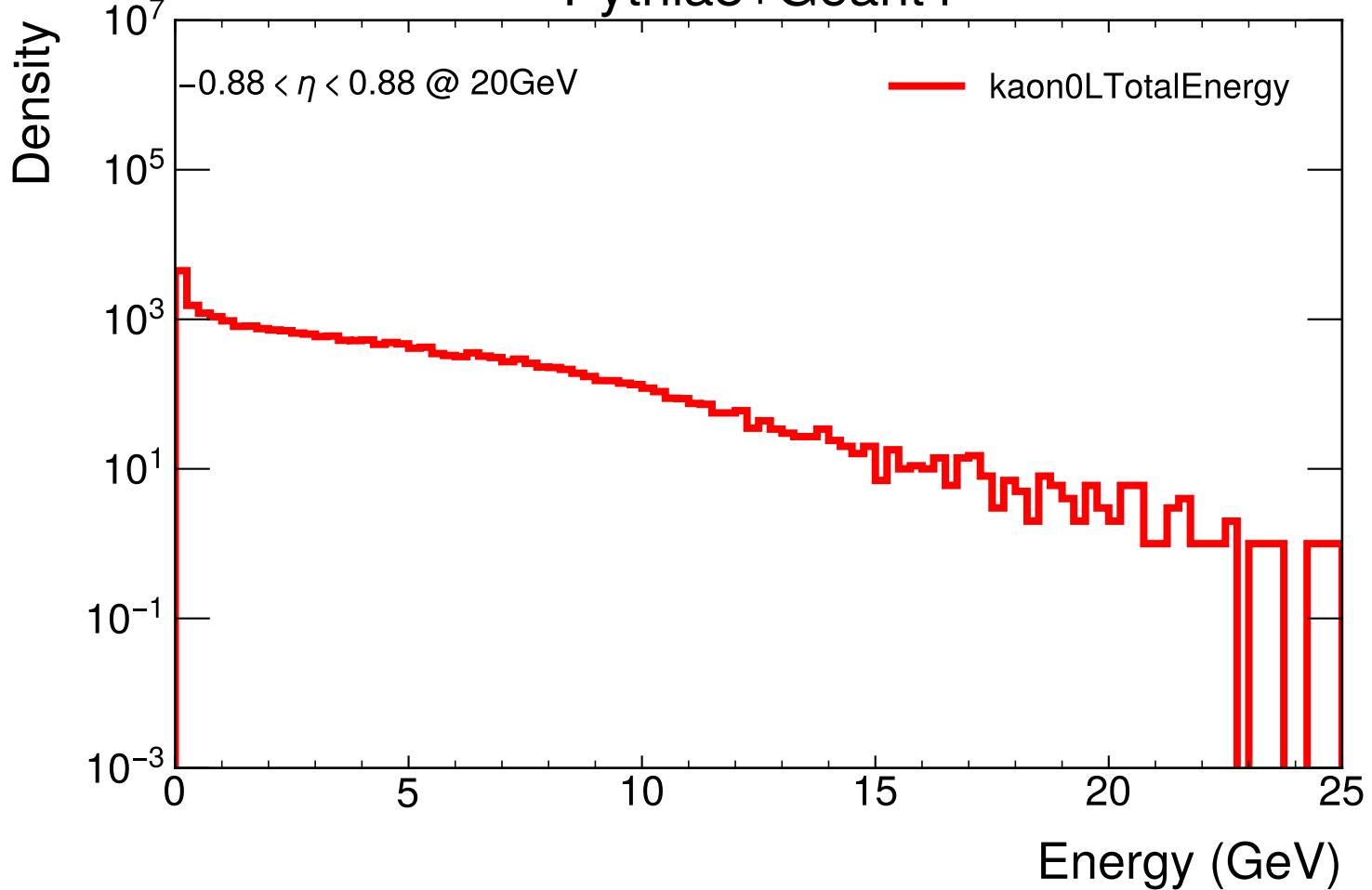


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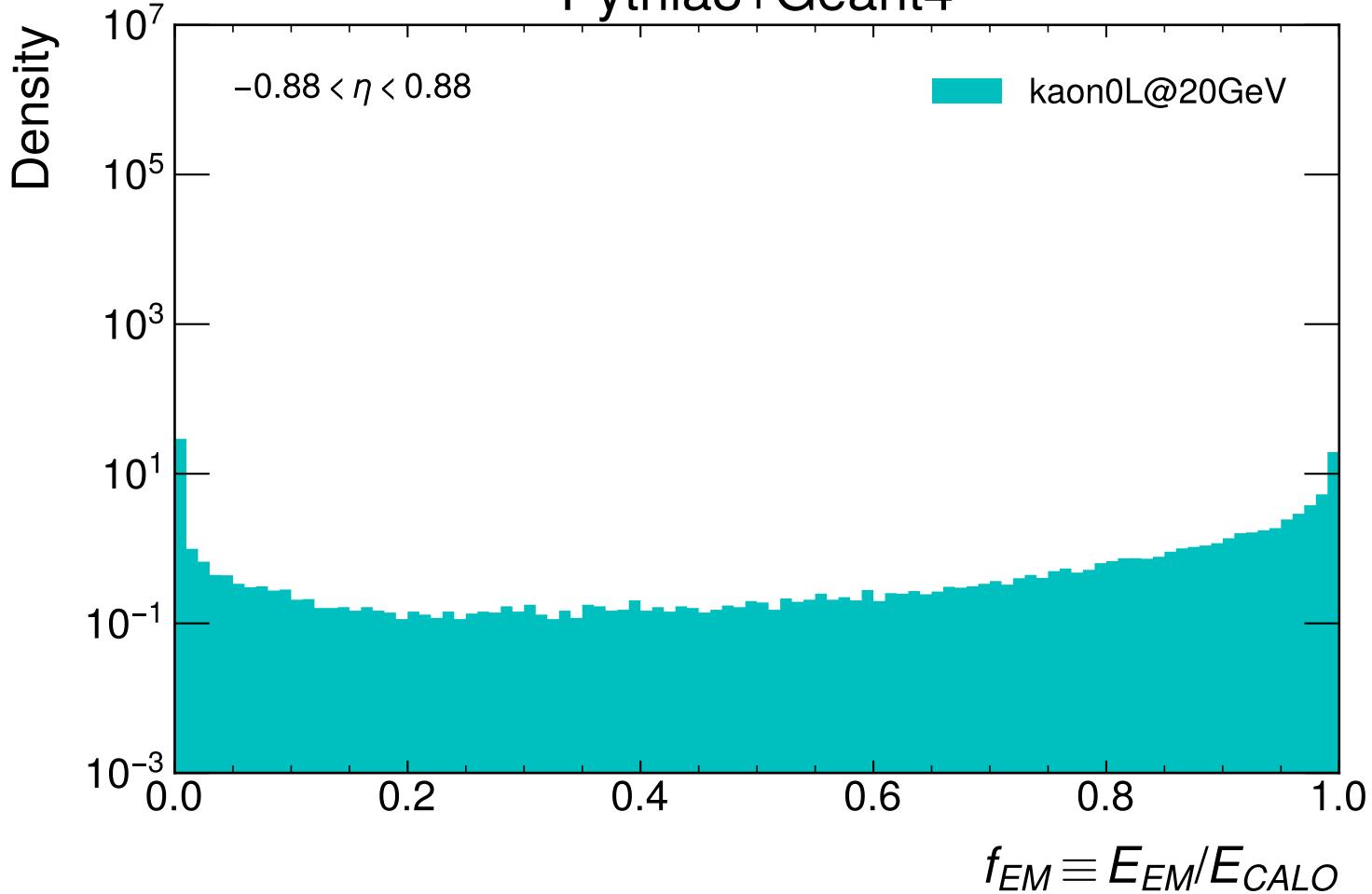


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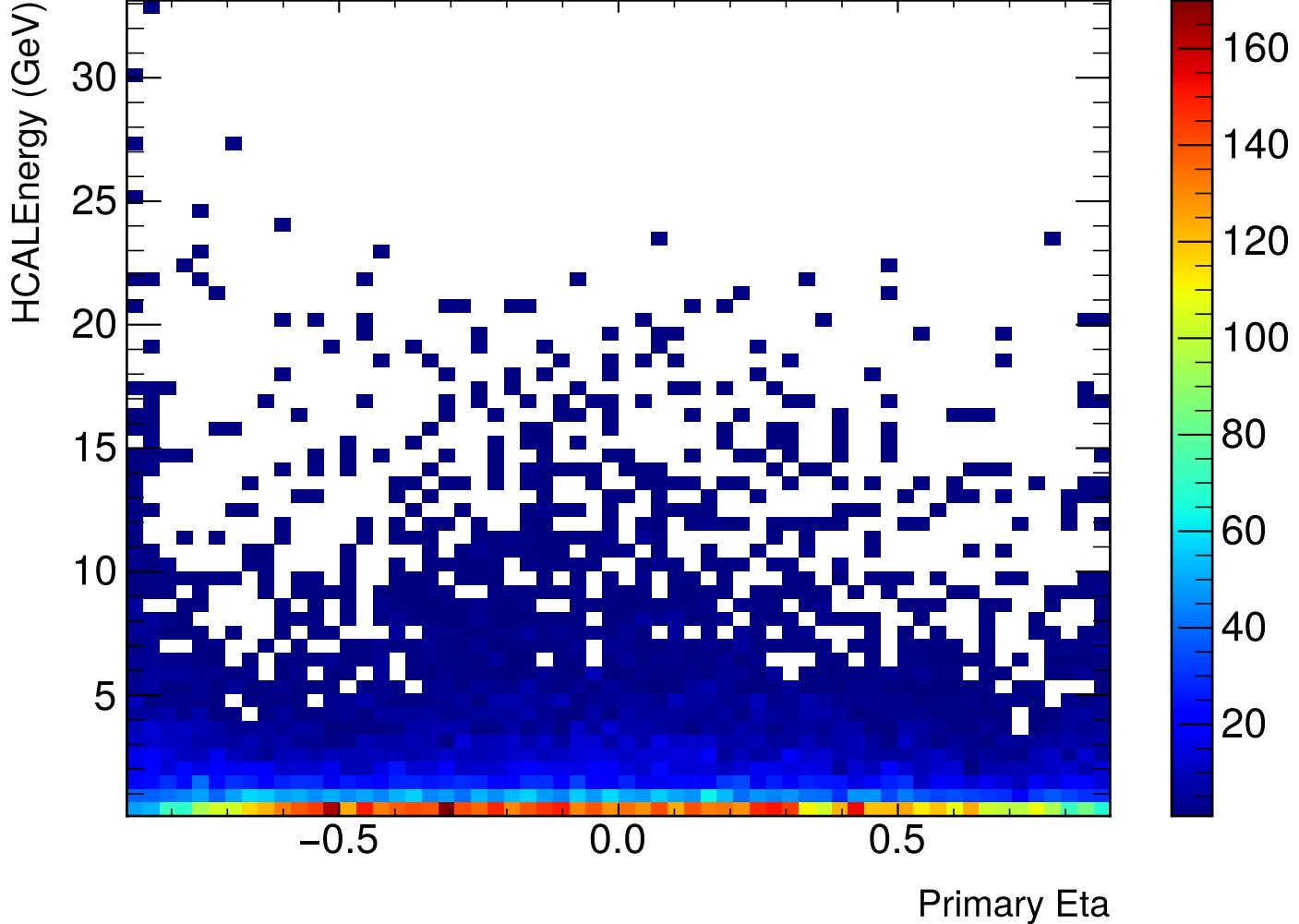
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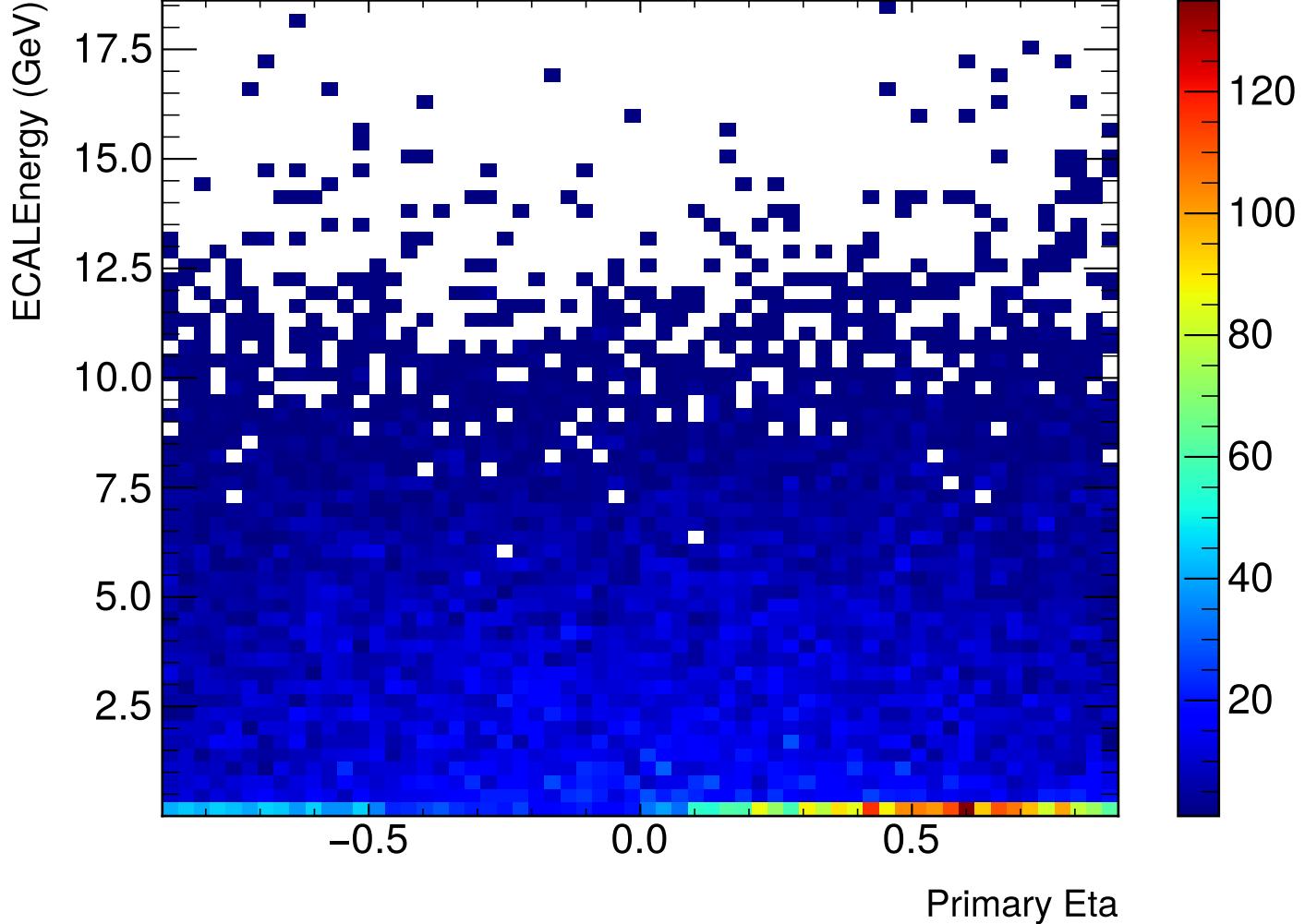
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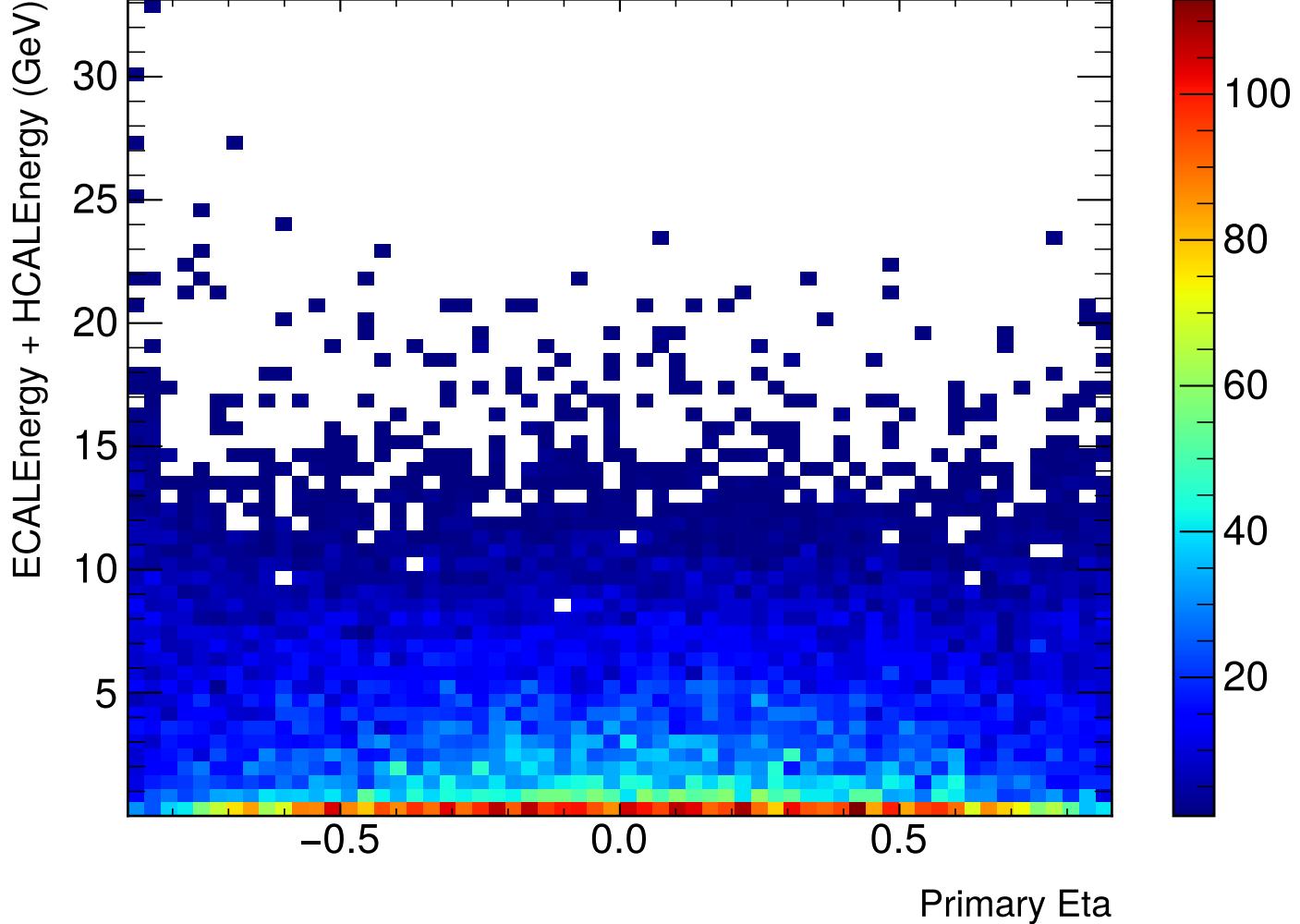
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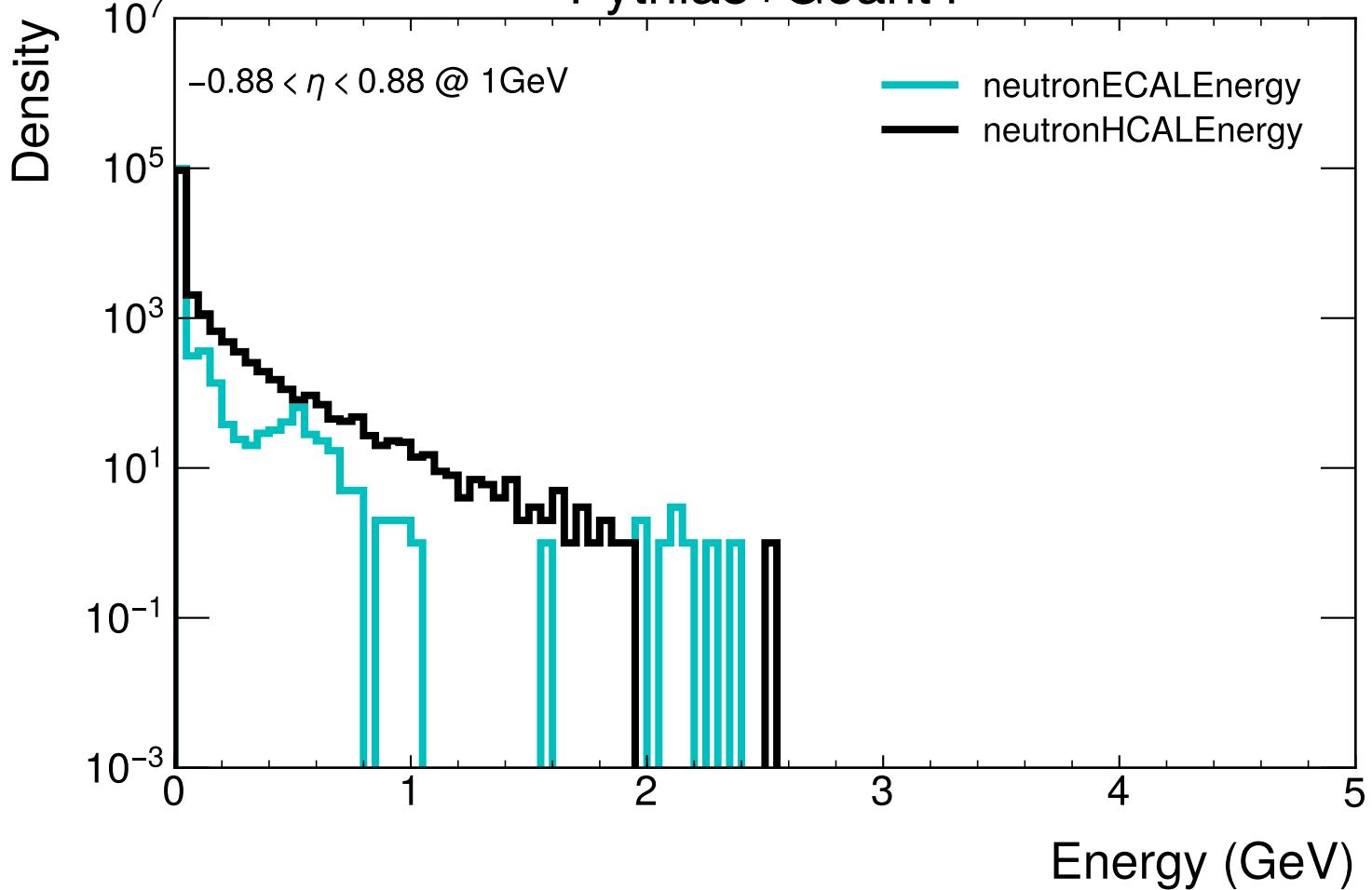


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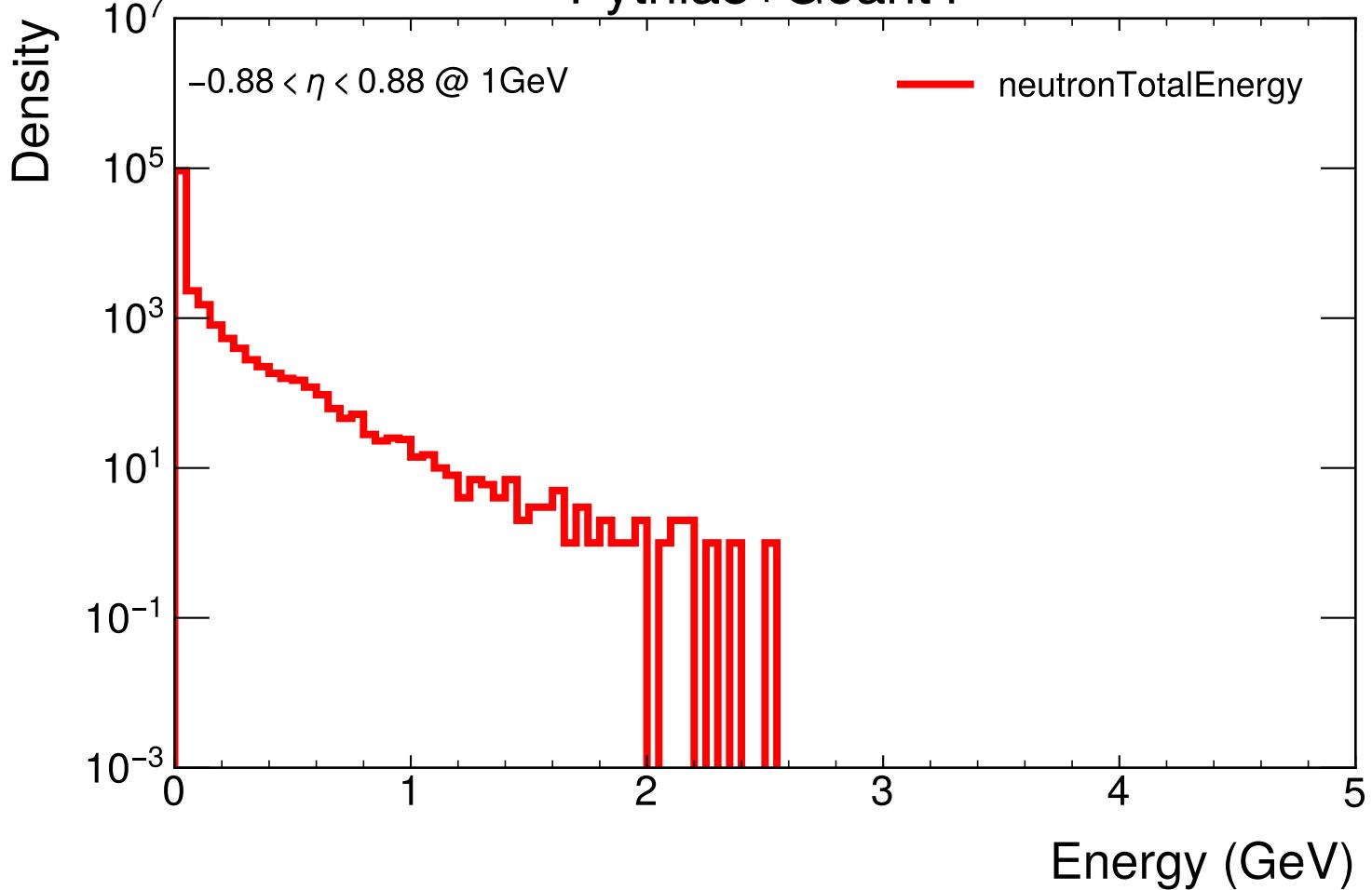
ATHENA simulation [DD4hep]

Pythia8+Geant4

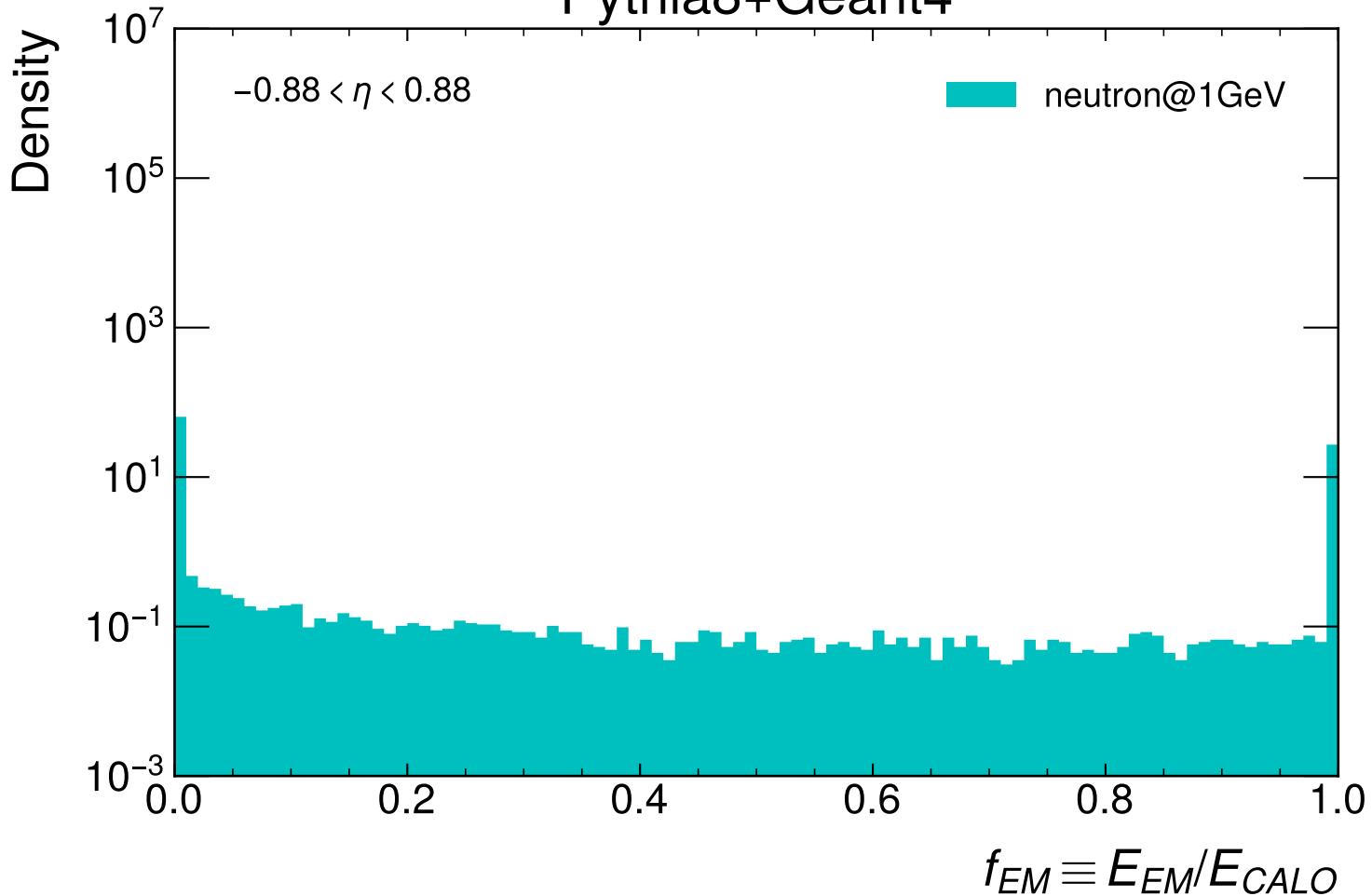


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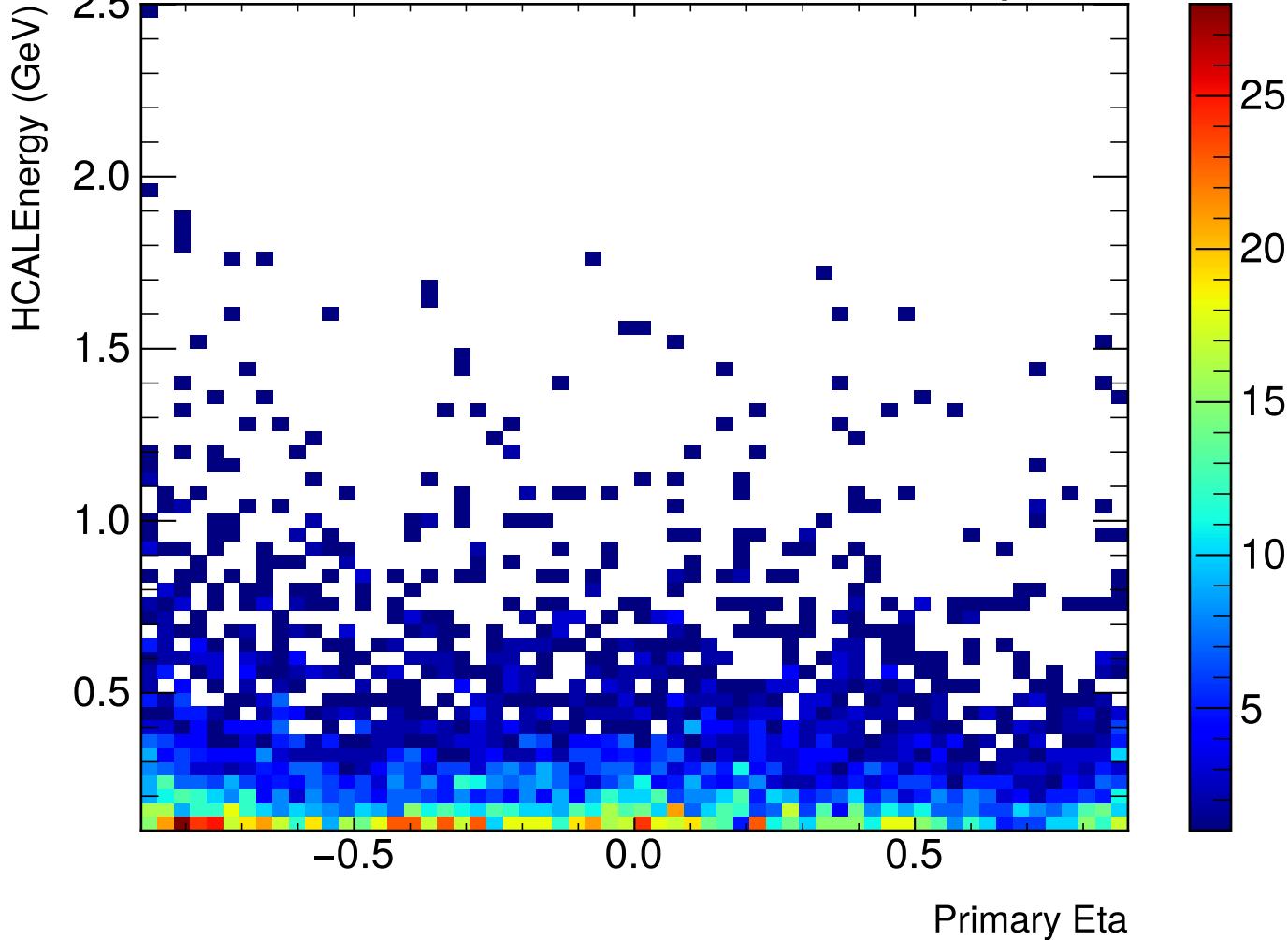
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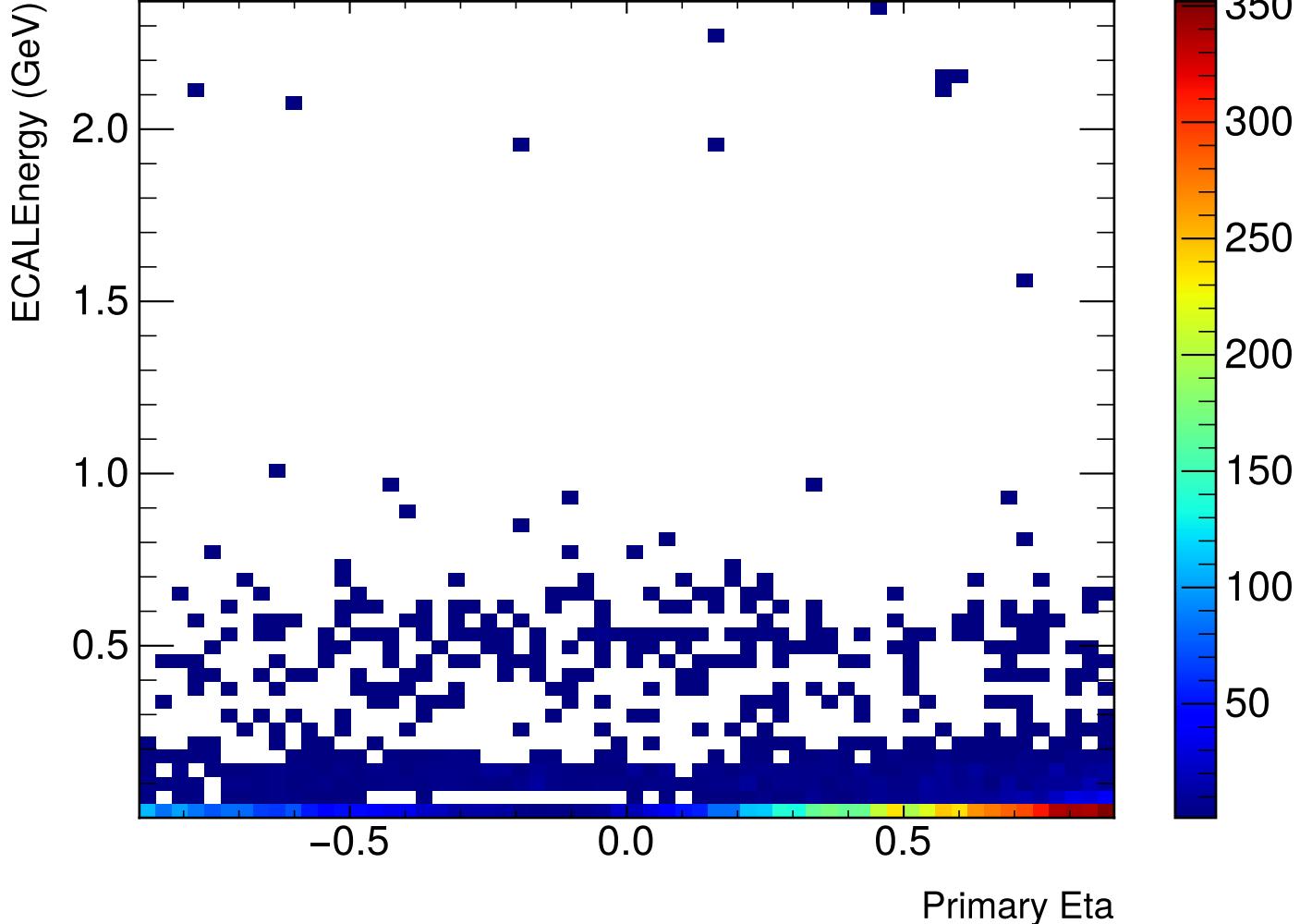
ATHENA simulation [DD4hep] Pythia8+Geant4



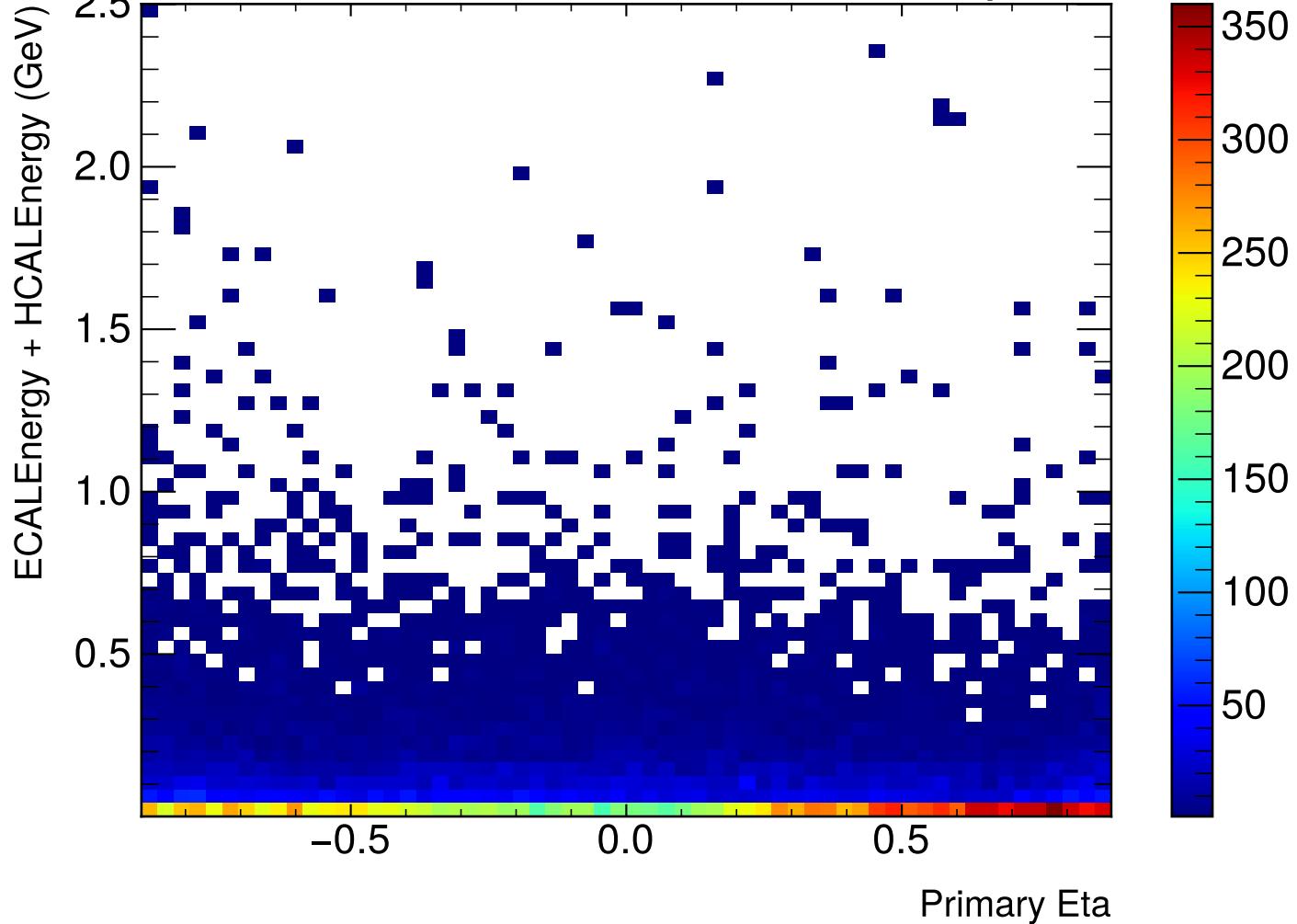
neutron@1GeV spanning $-0.88 < \eta < 0.88$



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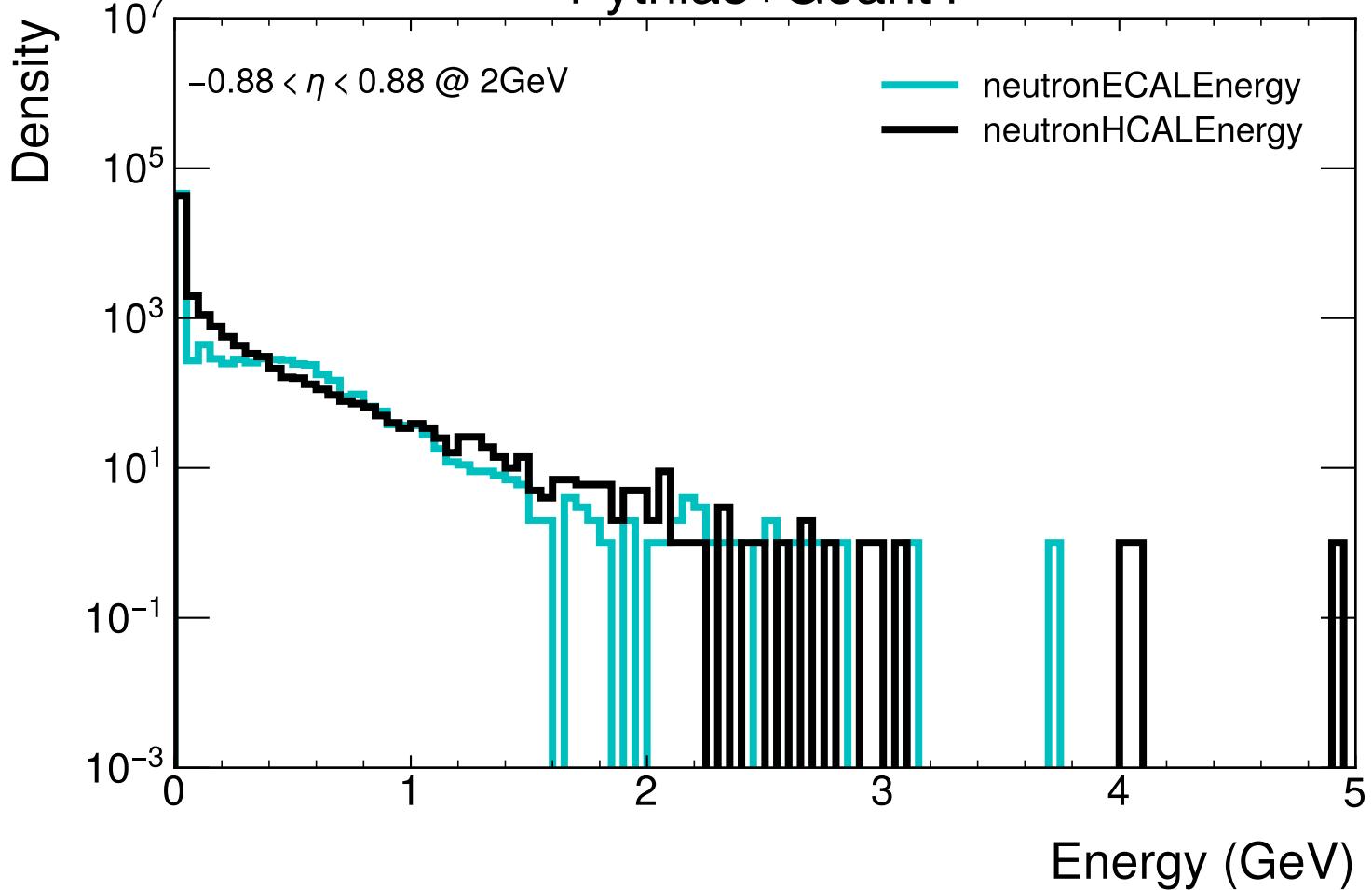


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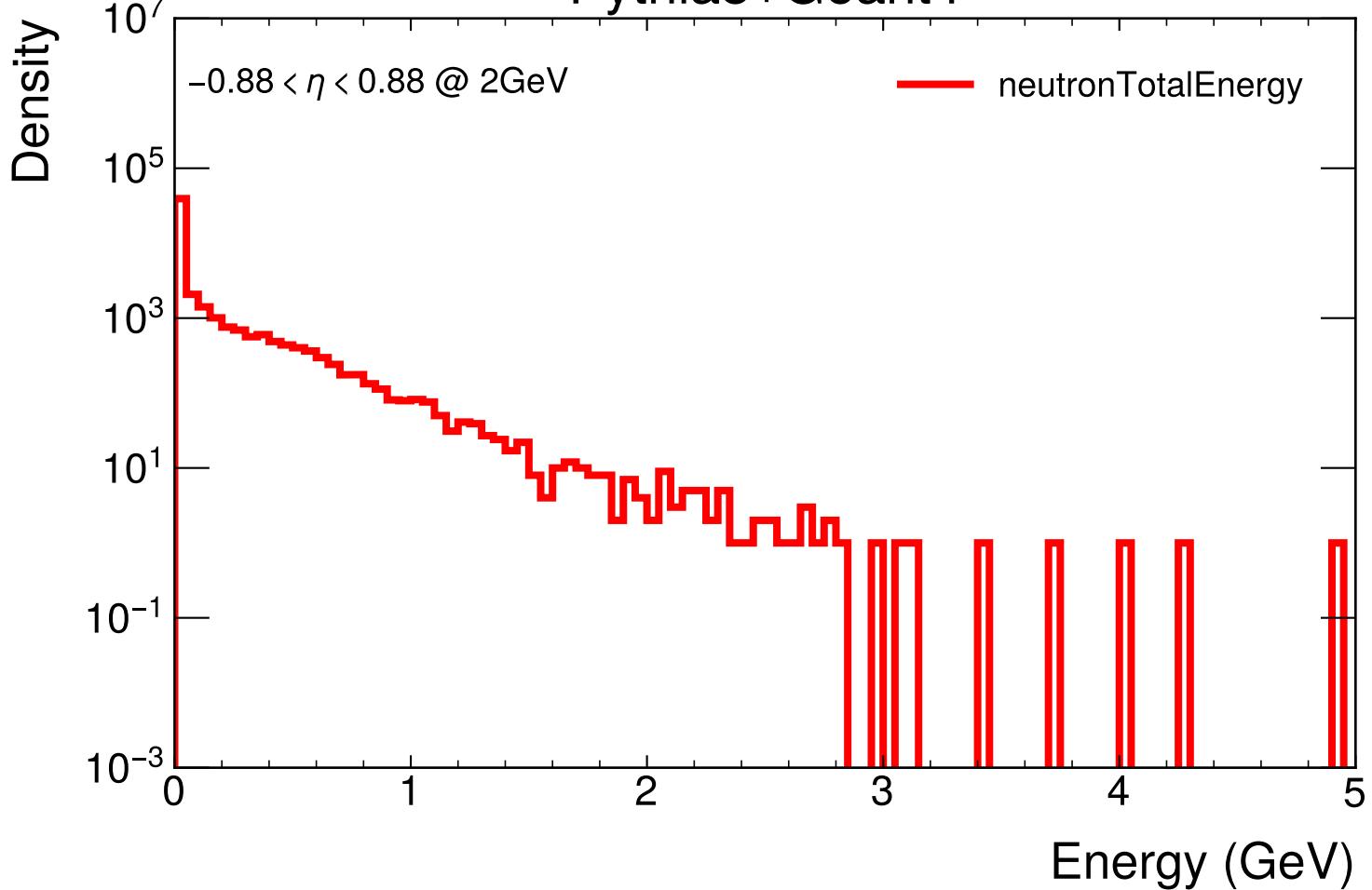
ATHENA simulation [DD4hep]

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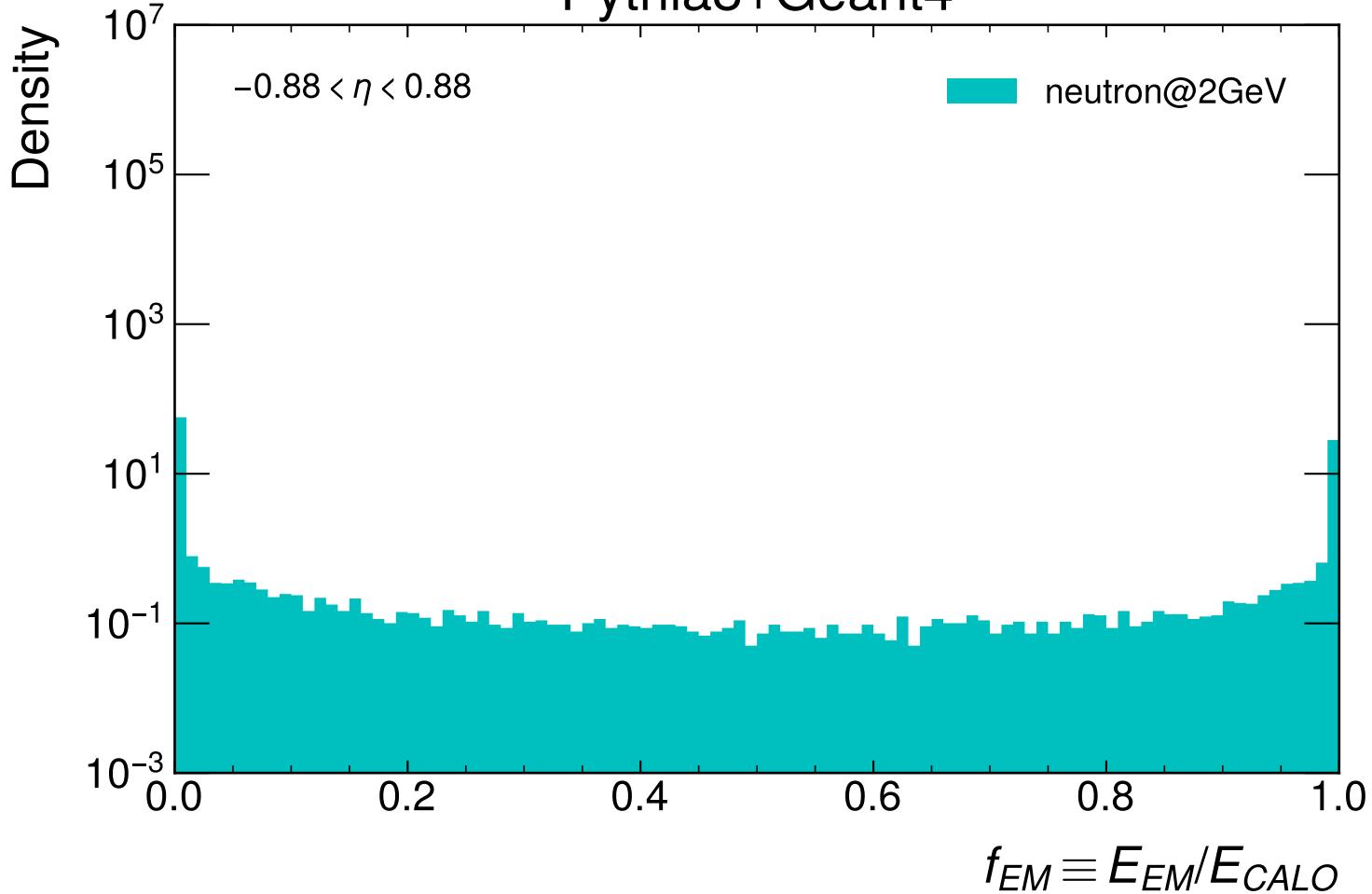


ATHENA simulation [DD4hep]

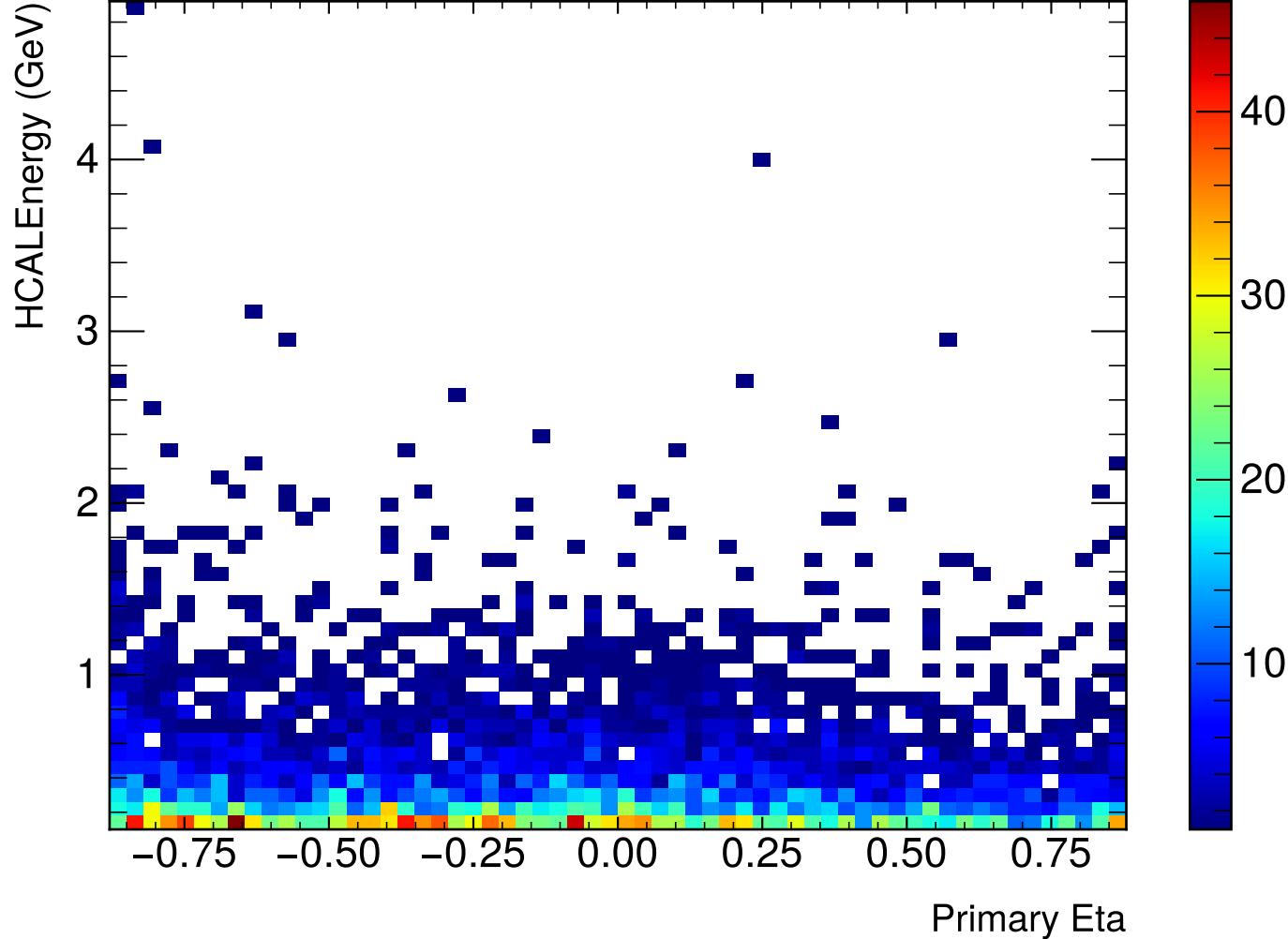
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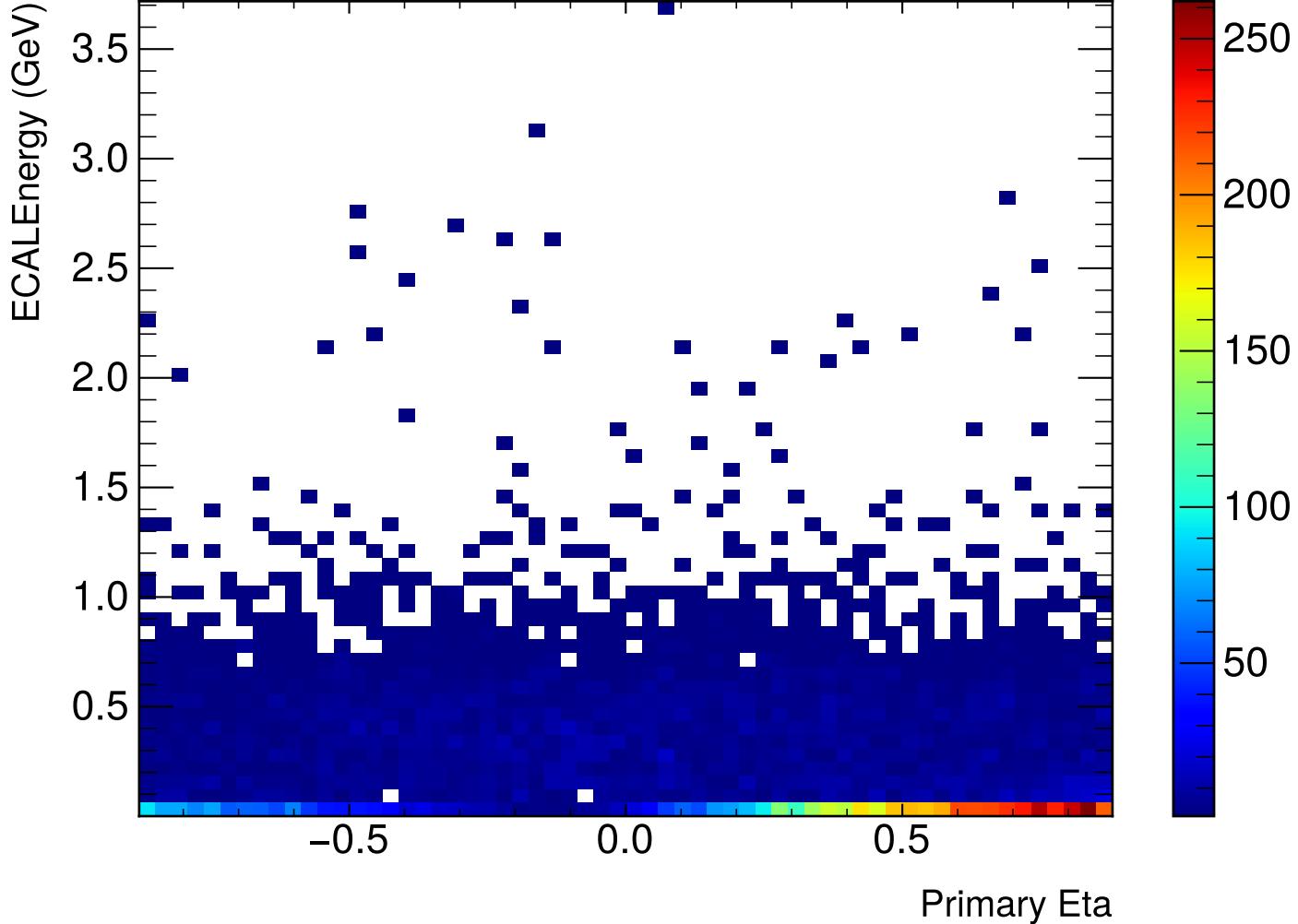
ATHENA simulation [DD4hep] Pythia8+Geant4



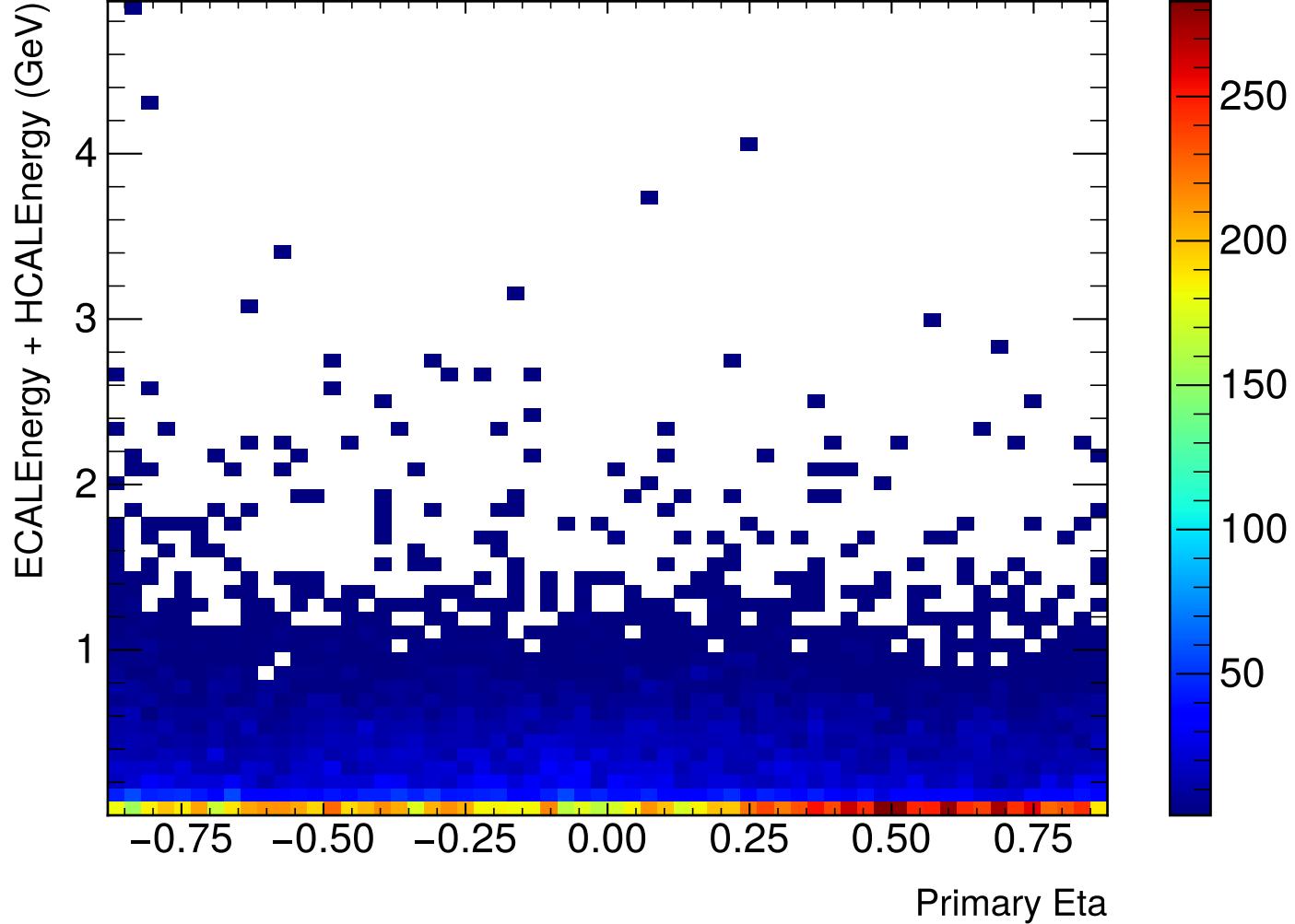
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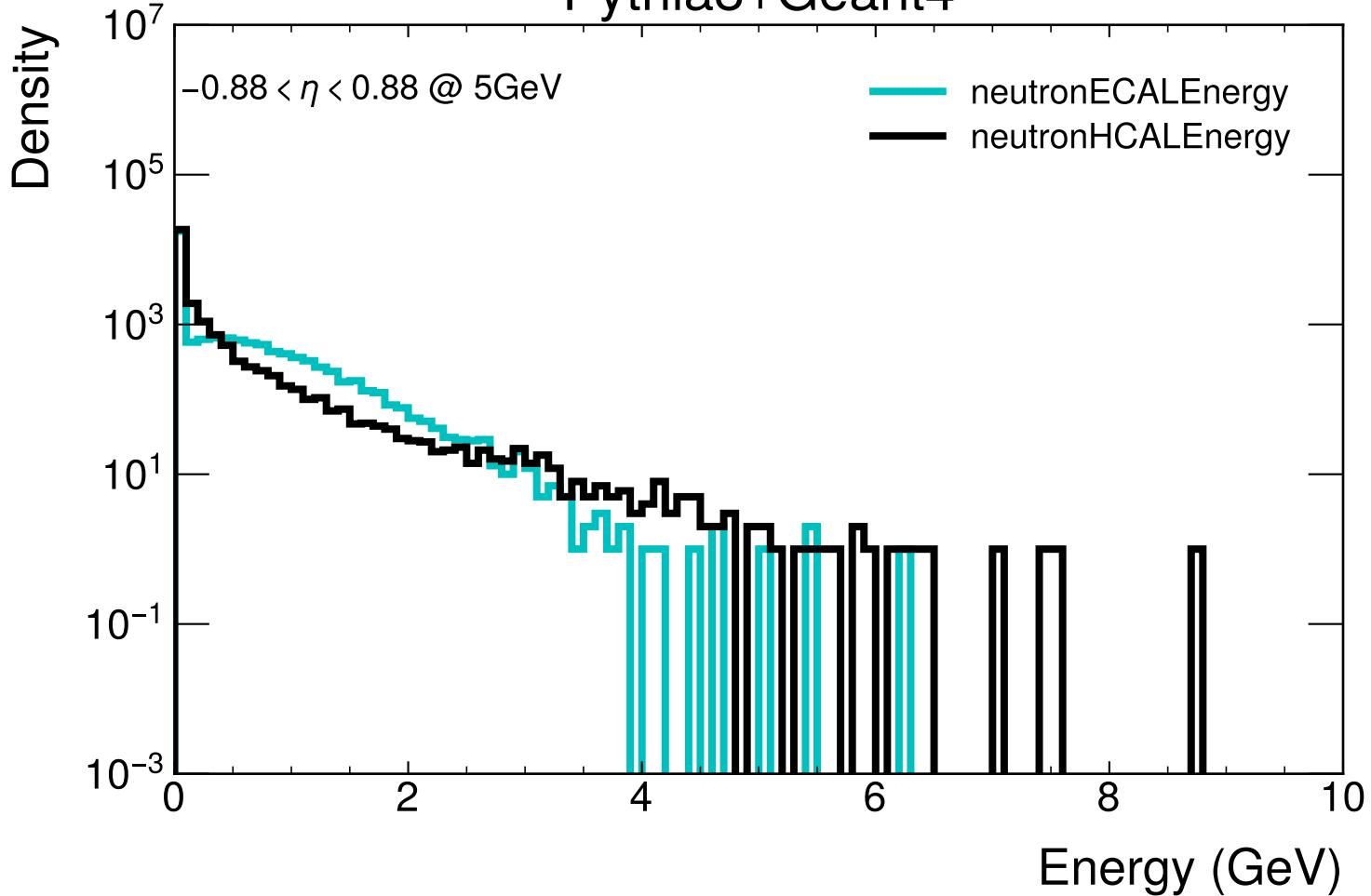
neutron@2GeV spanning $-0.88 < \eta < 0.88$



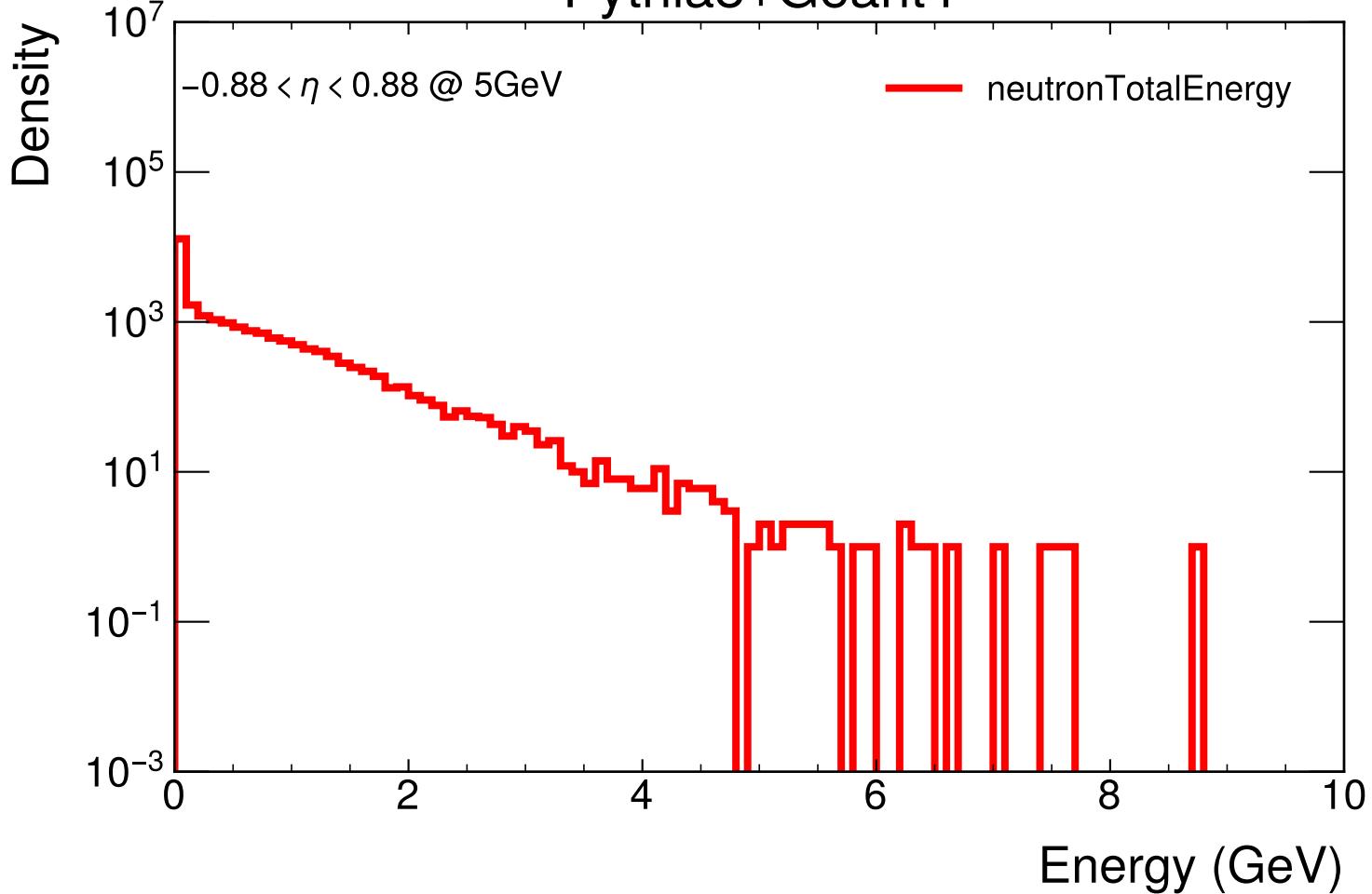
neutron@2GeV spanning $-0.88 < \eta < 0.88$



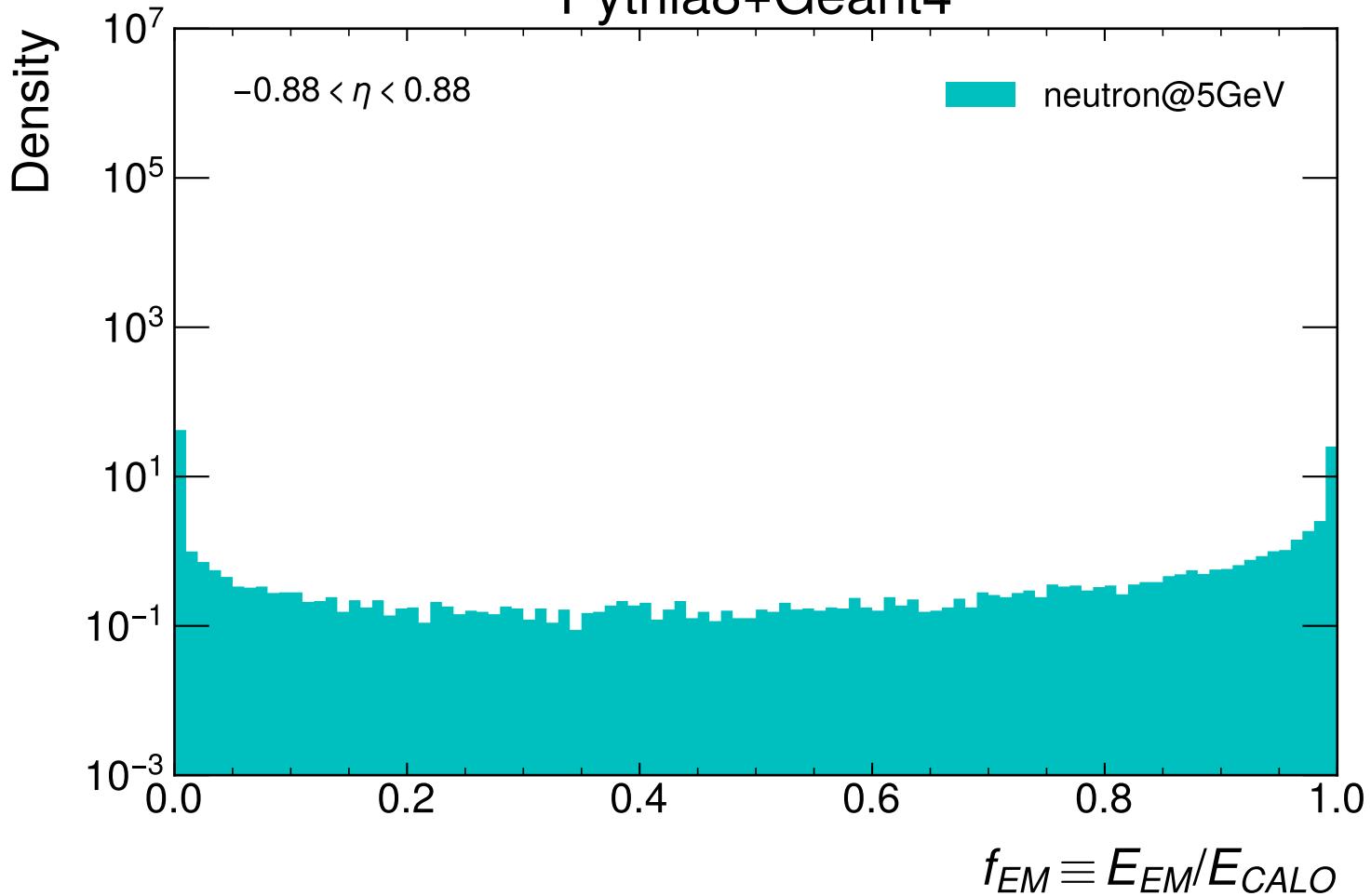
ATHENA simulation [DD4hep] Pythia8+Geant4



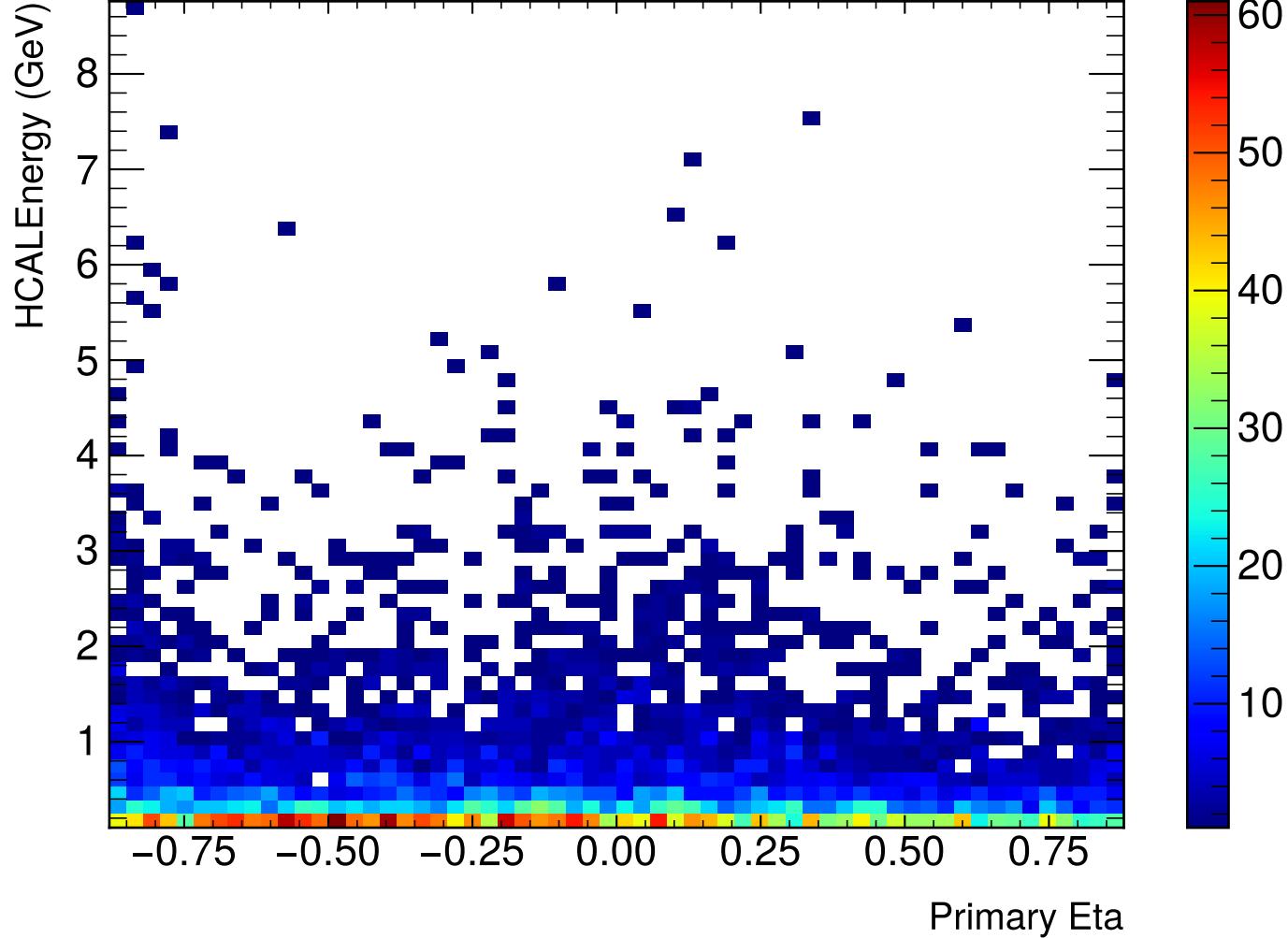
ATHENA simulation [DD4hep] Pythia8+Geant4



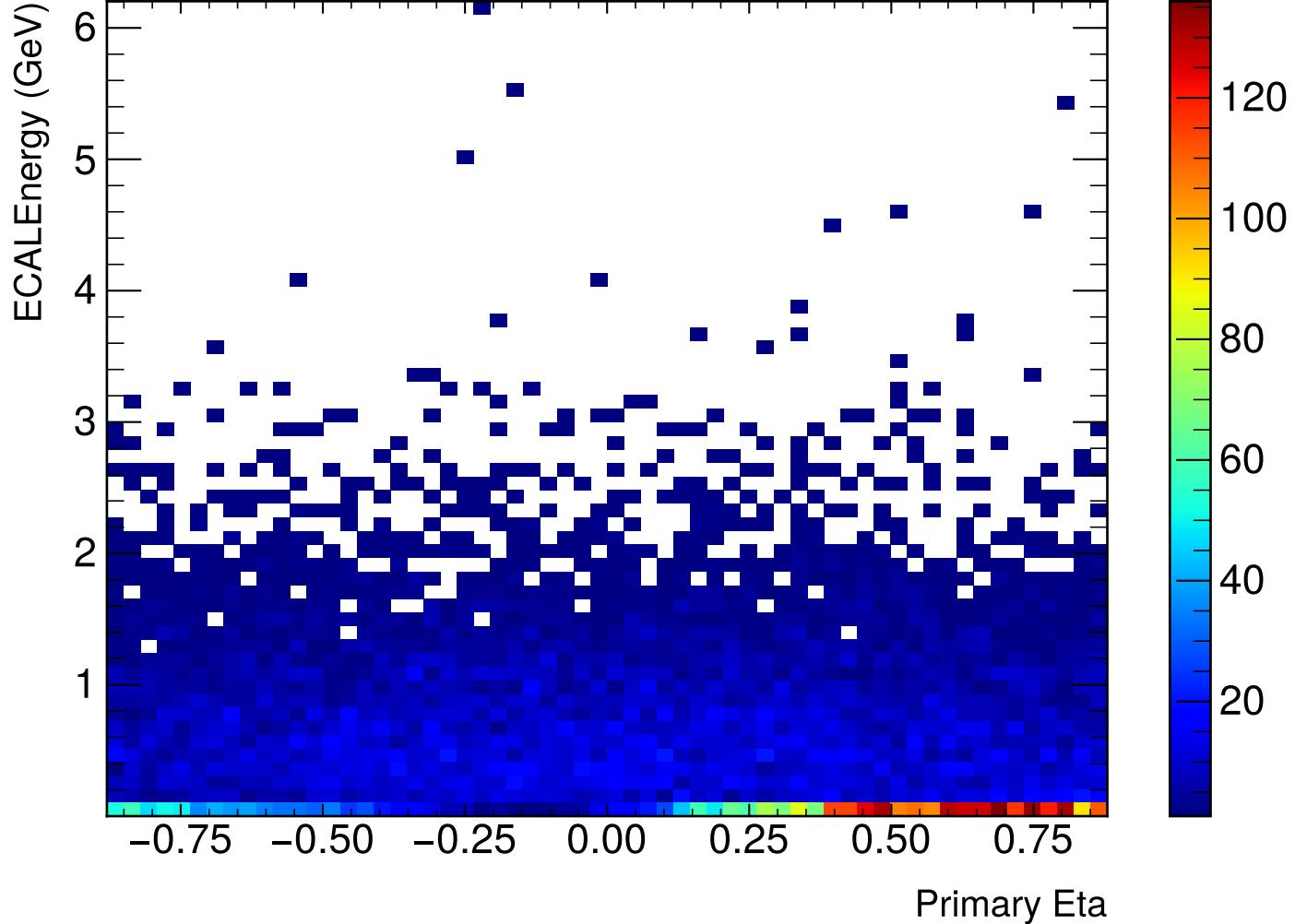
ATHENA simulation [DD4hep] Pythia8+Geant4



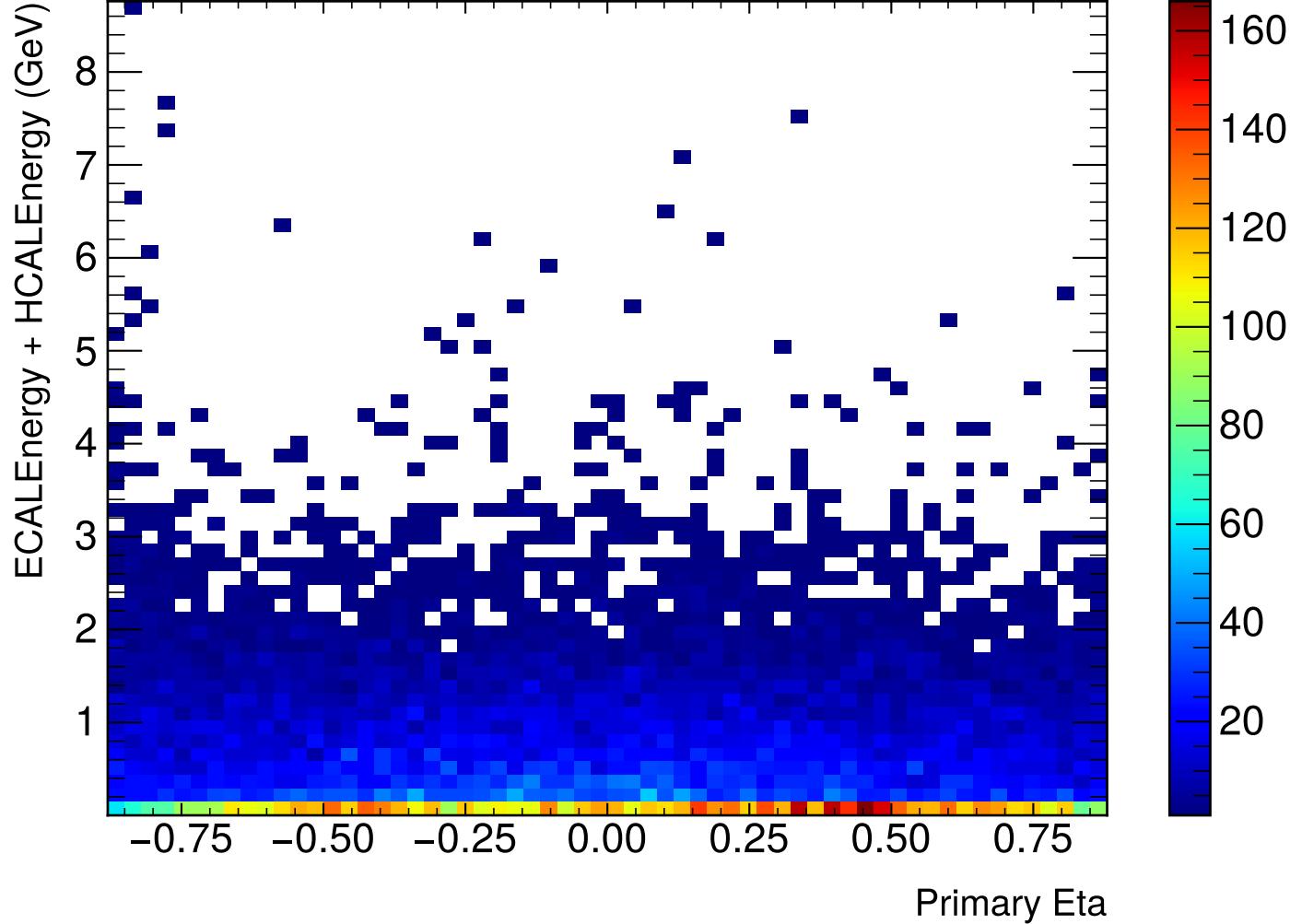
neutron@5GeV spanning $-0.88 < \eta < 0.88$



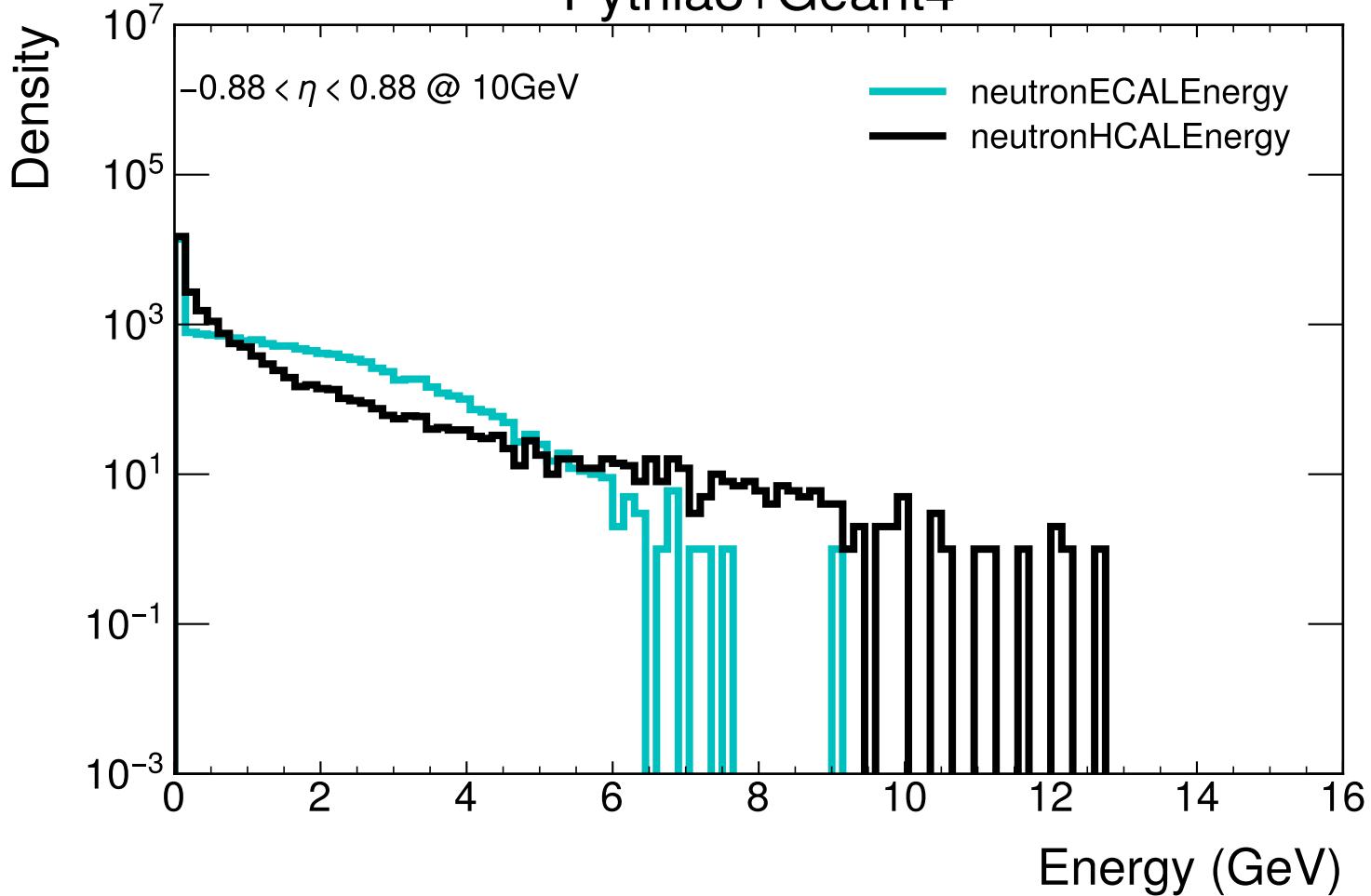
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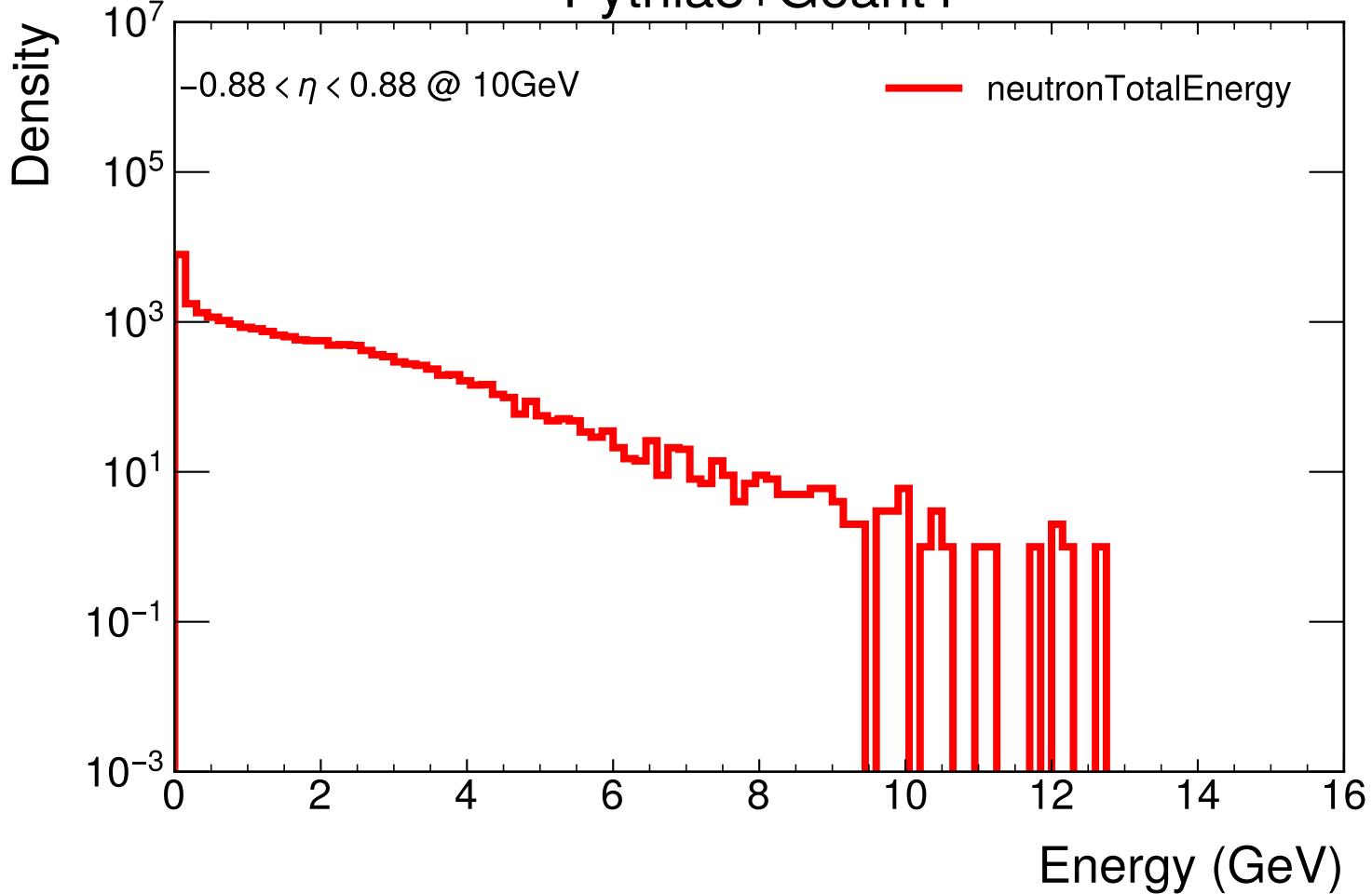


ATHENA simulation [DD4hep] Pythia8+Geant4



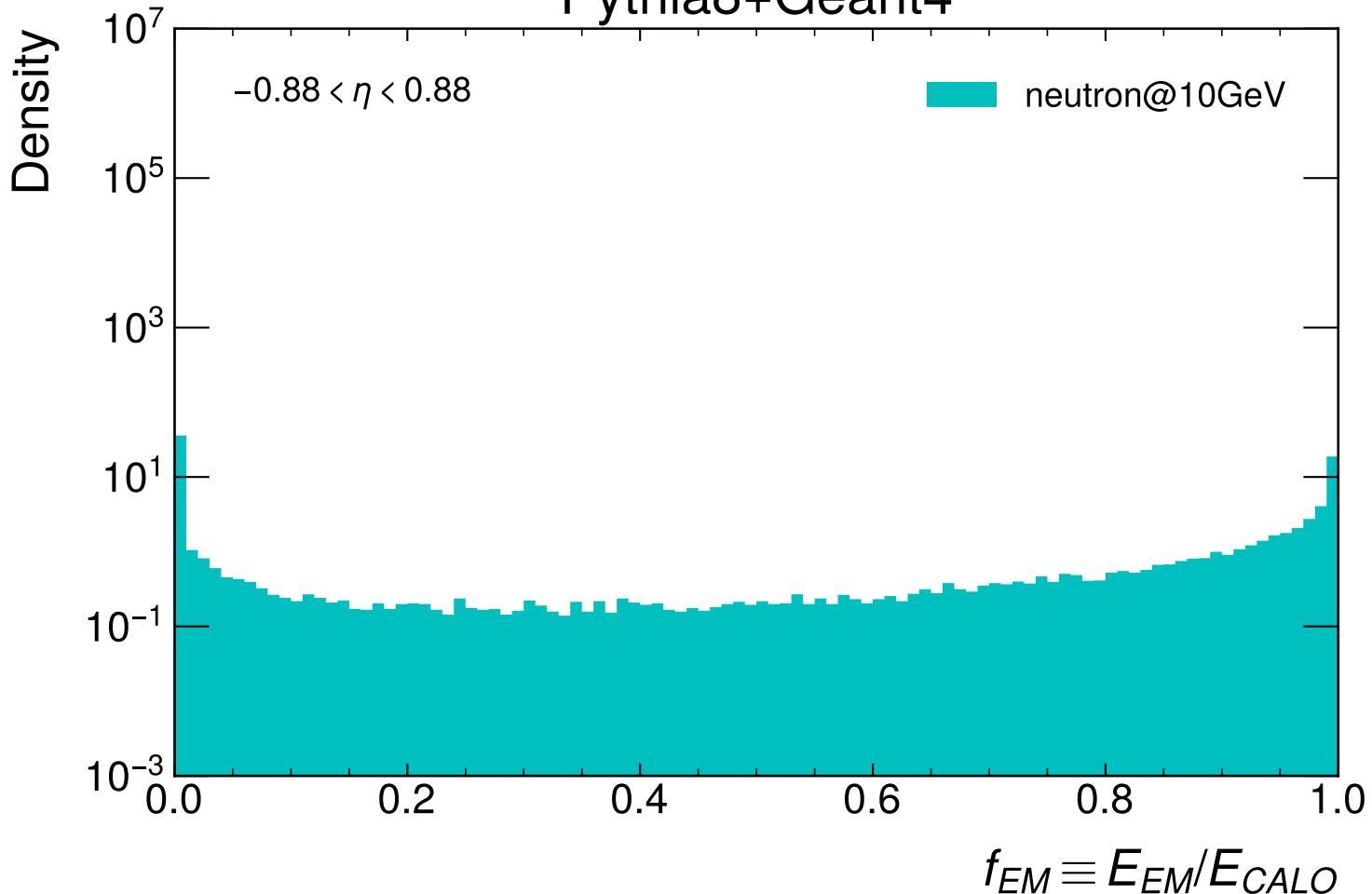
ATHENA simulation [DD4hep]

Pythia8+Geant4

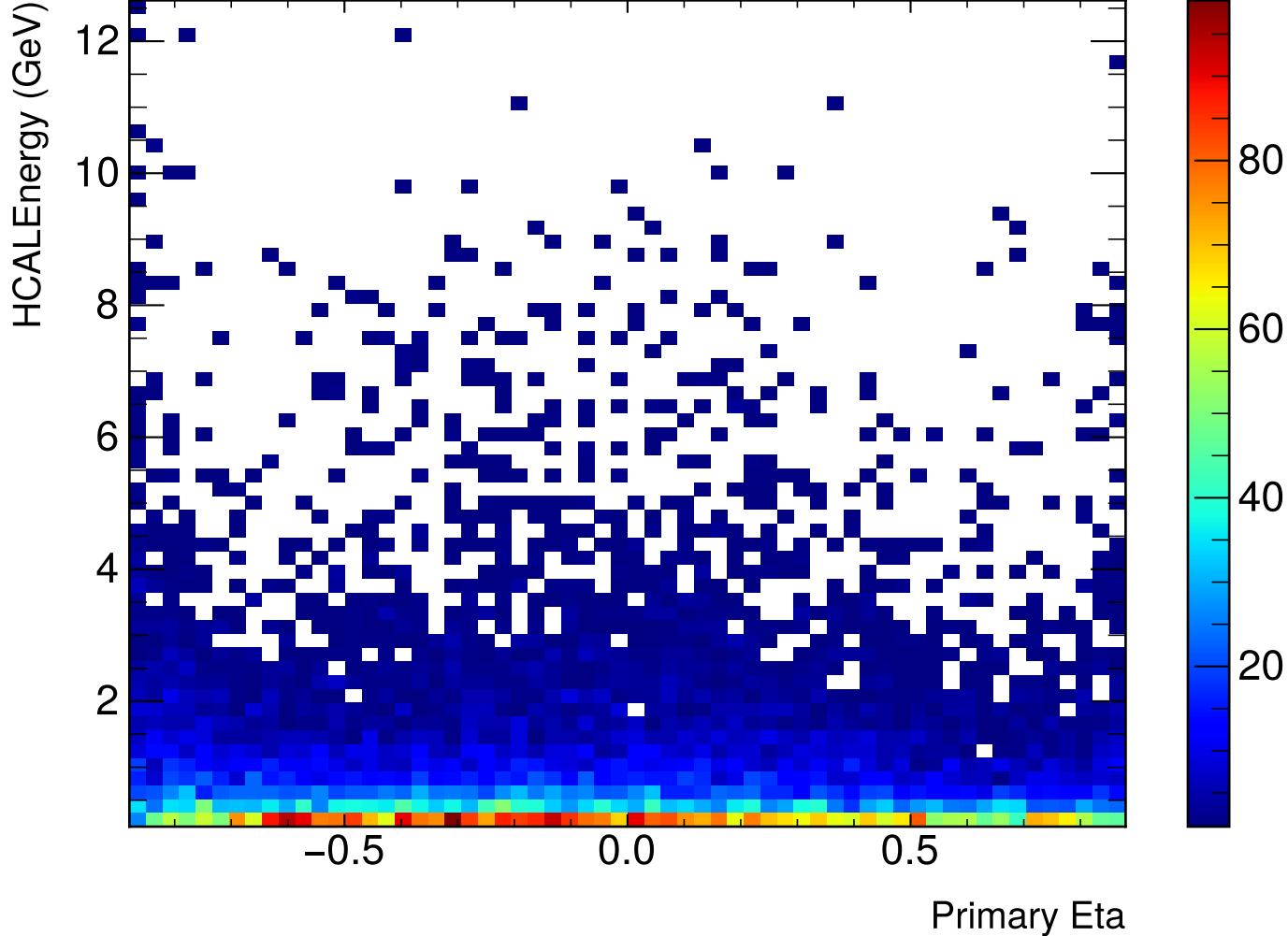


ATHENA simulation [DD4hep]

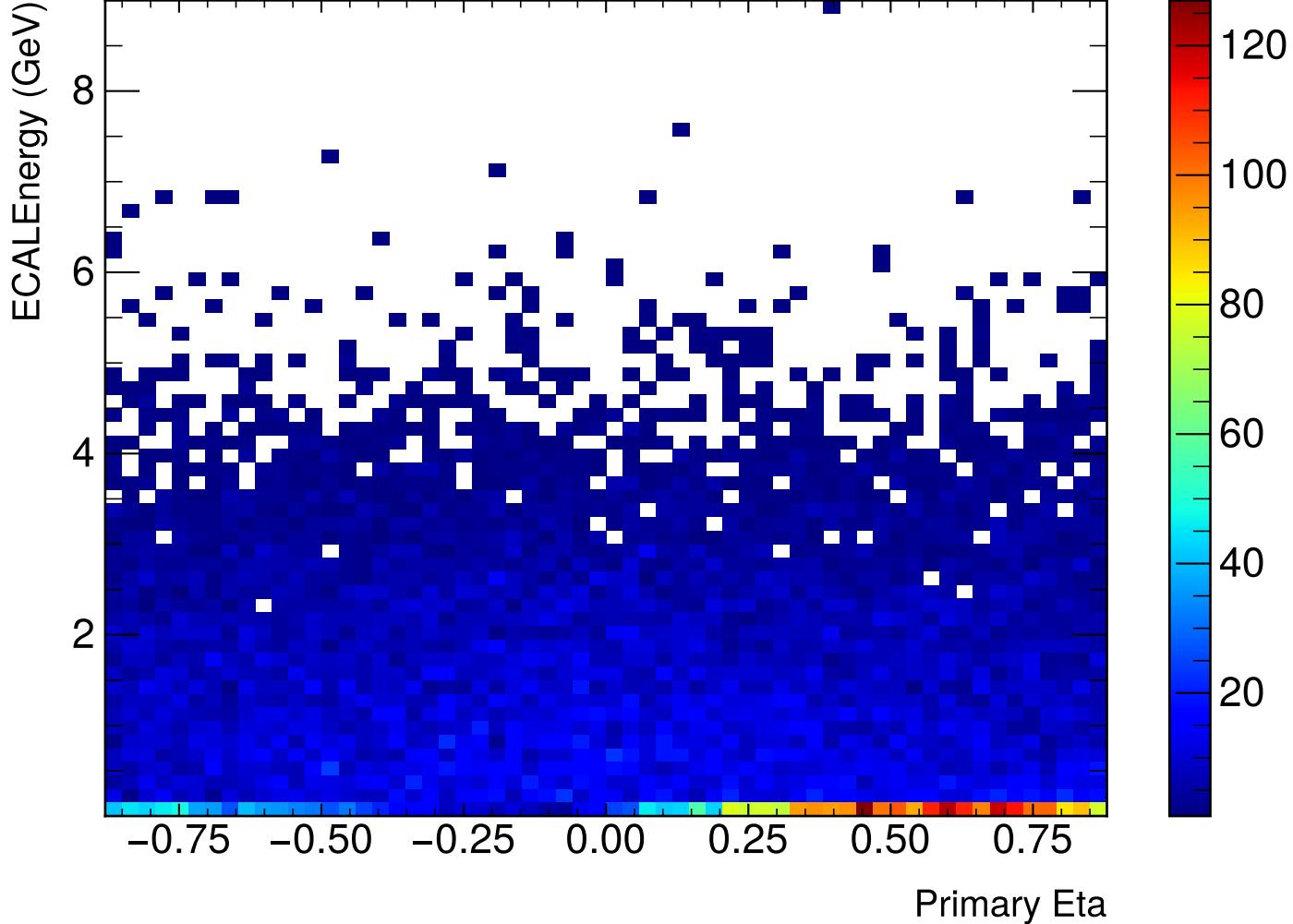
Pythia8+Geant4



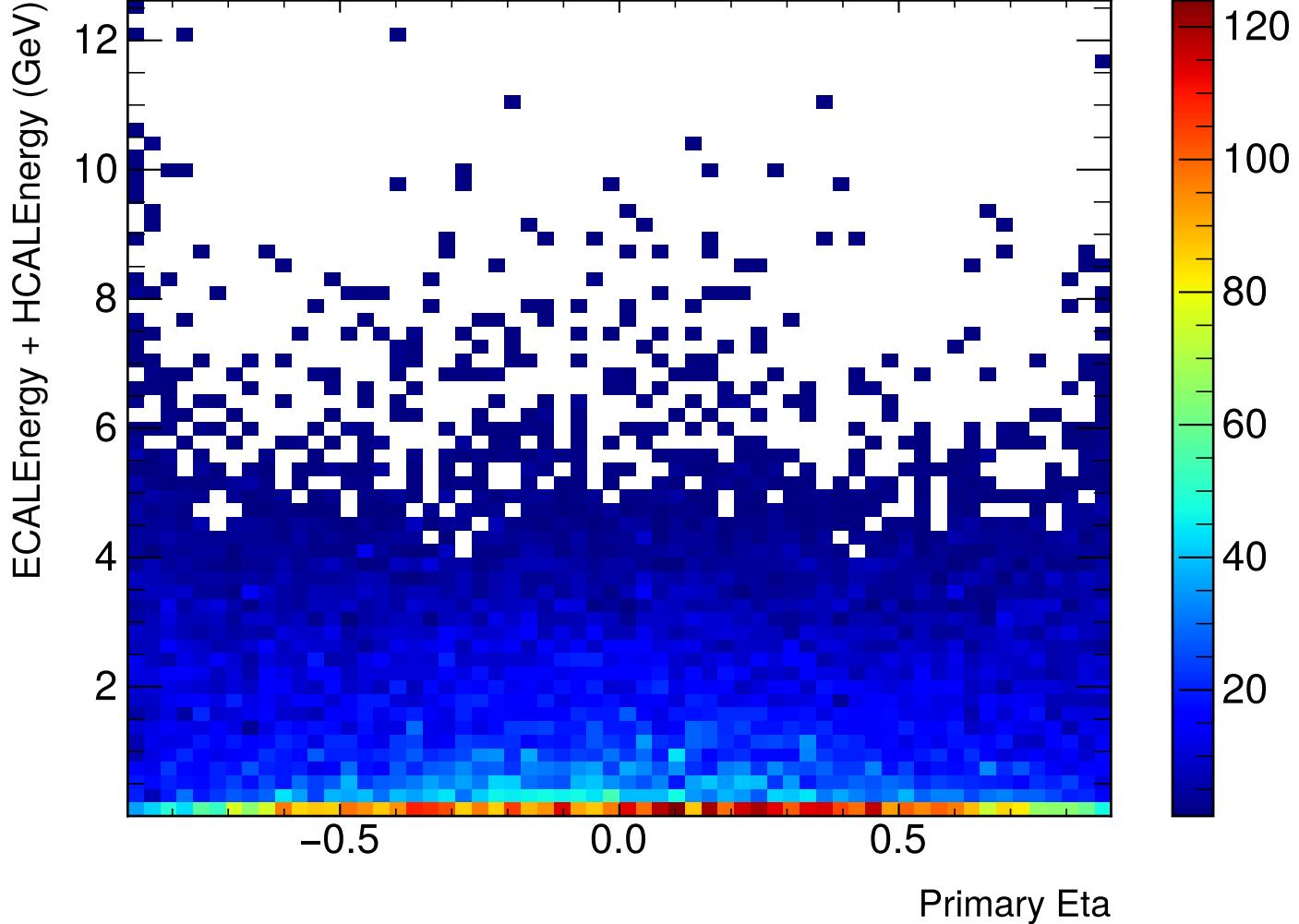
neutron@10GeV spanning $-0.88 < \eta < 0.88$



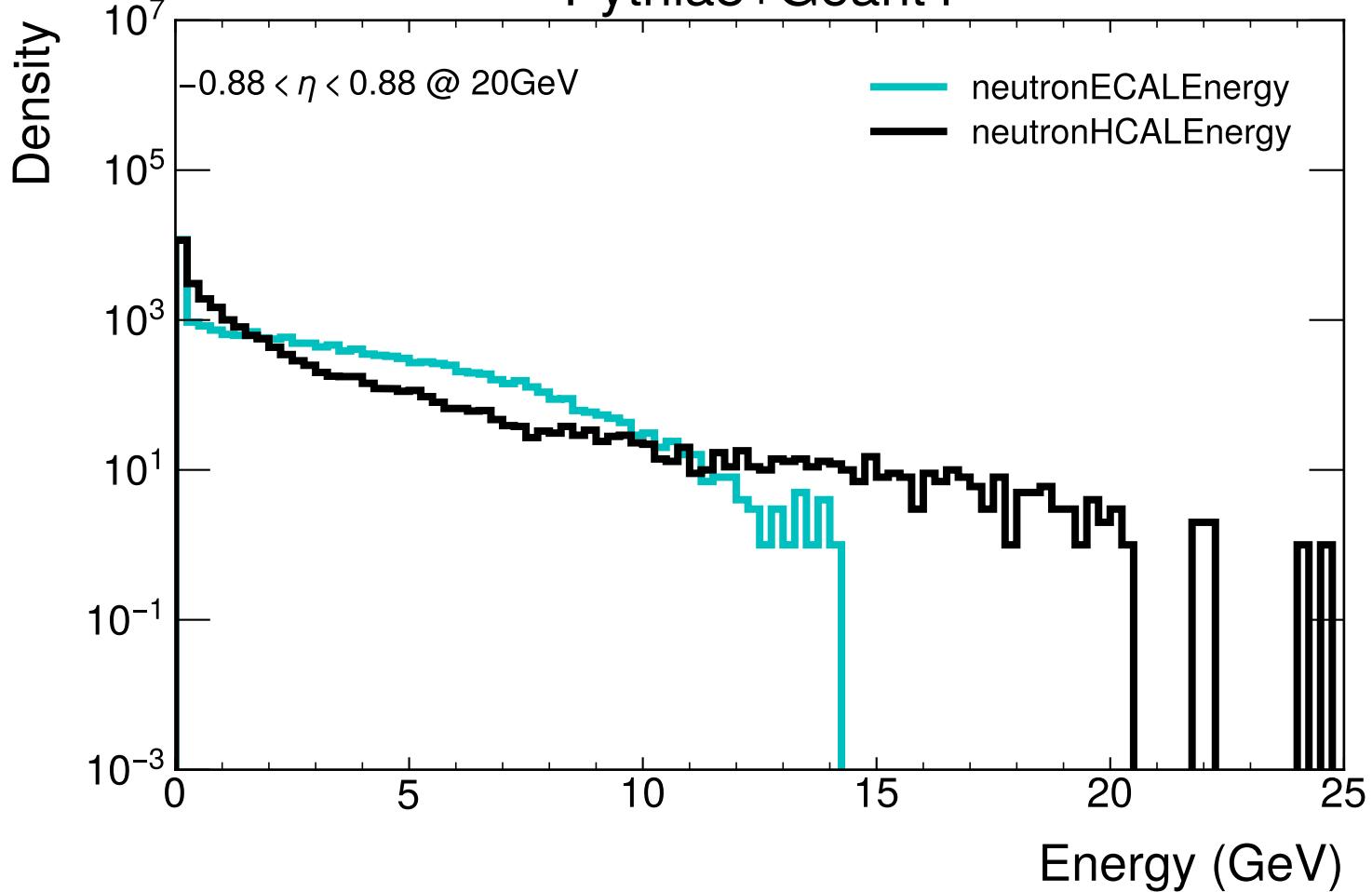
neutron@10GeV spanning $-0.88 < \eta < 0.88$



neutron@10GeV spanning $-0.88 < \eta < 0.88$

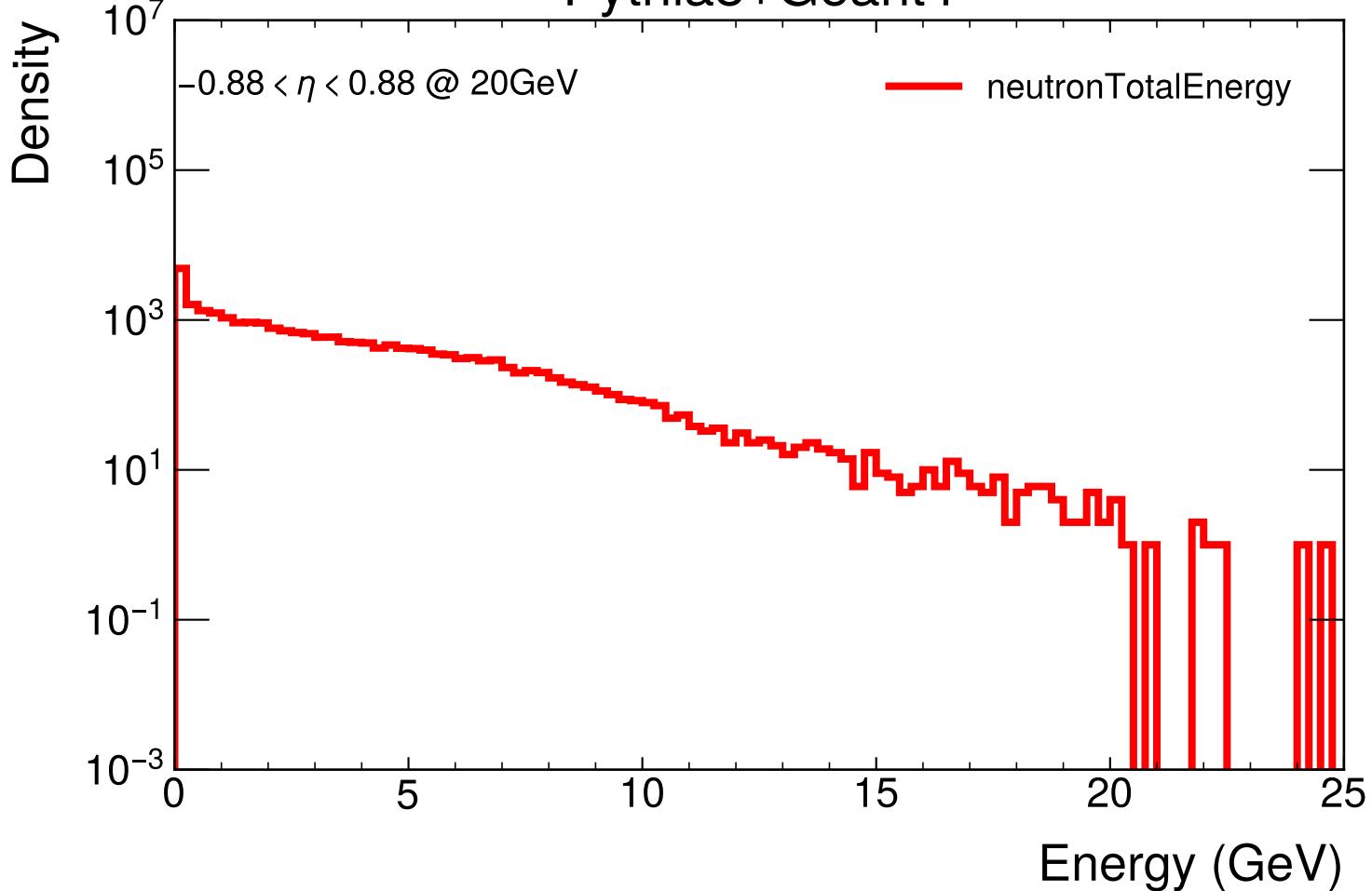


ATHENA simulation [DD4hep] Pythia8+Geant4

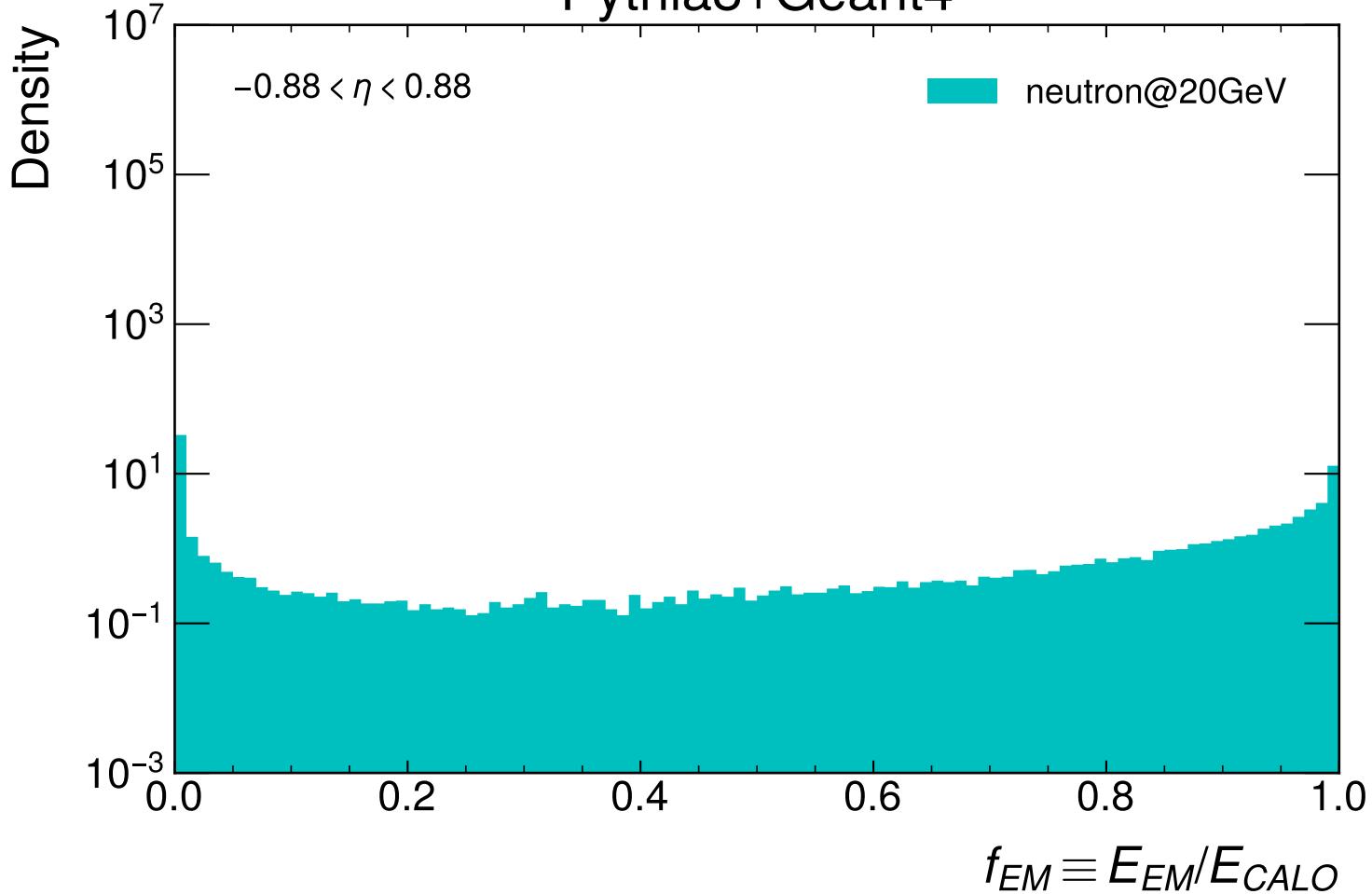


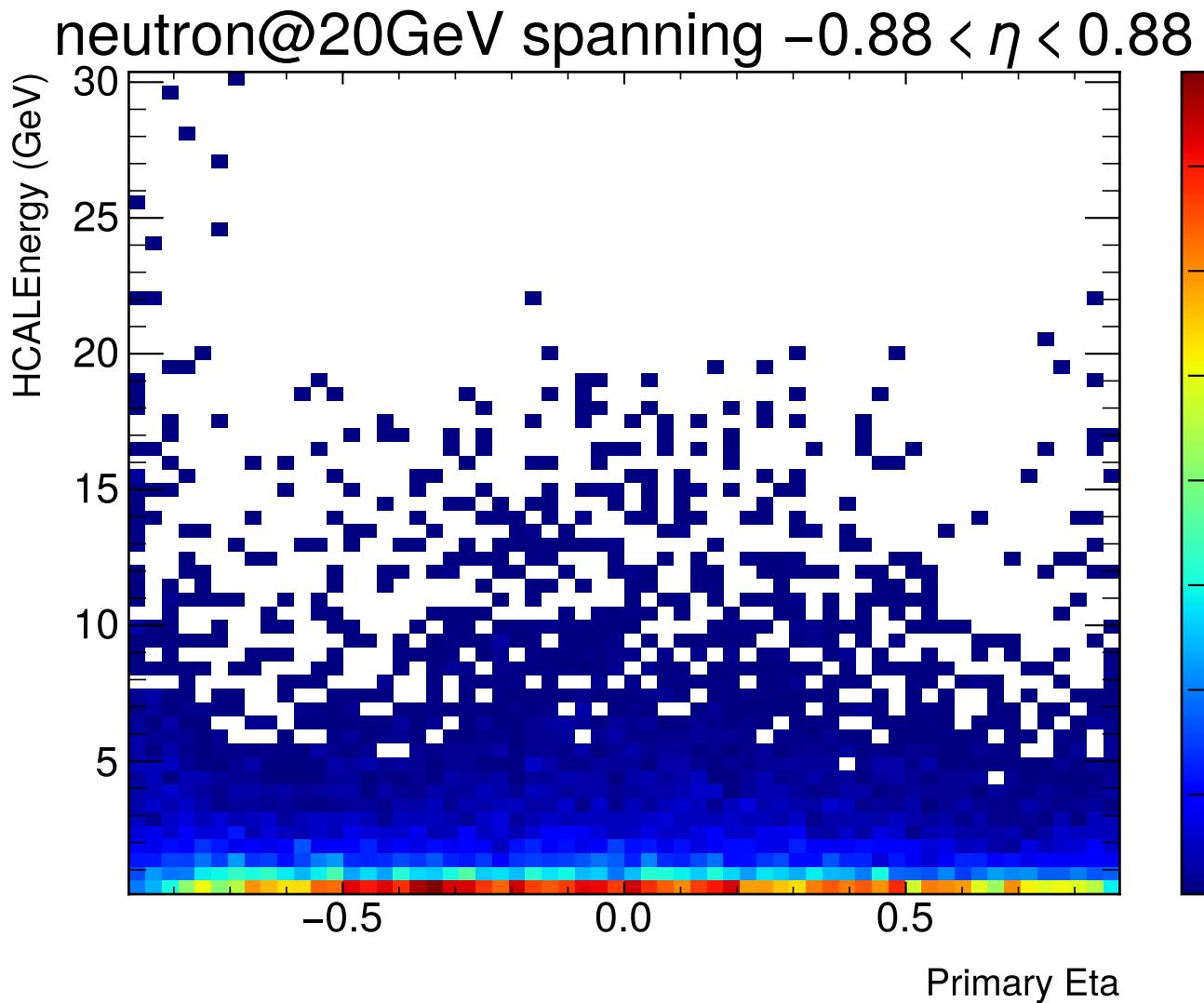
ATHENA simulation [DD4hep]

Pythia8+Geant4

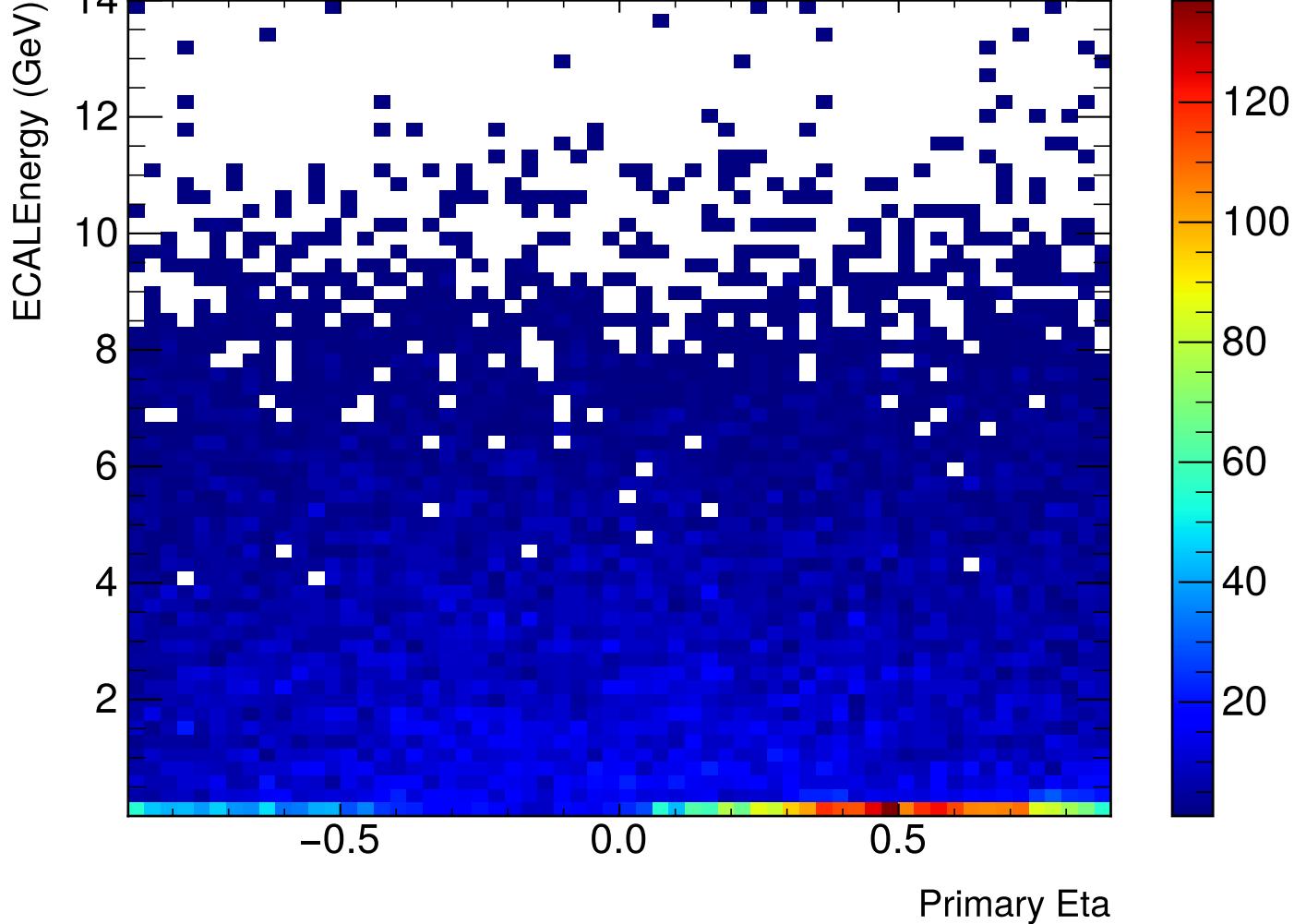


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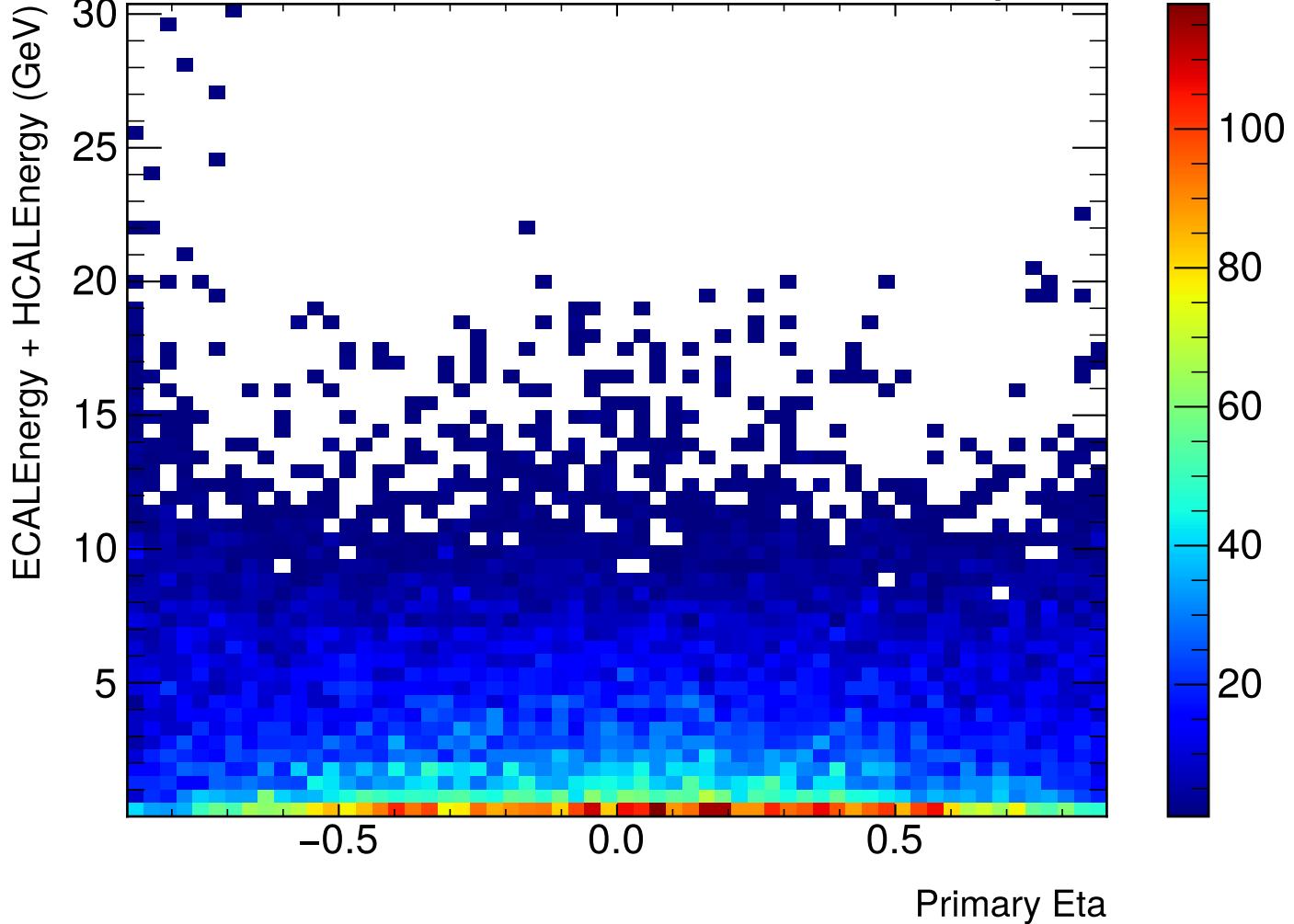




neutron@20GeV spanning $-0.88 < \eta < 0.88$

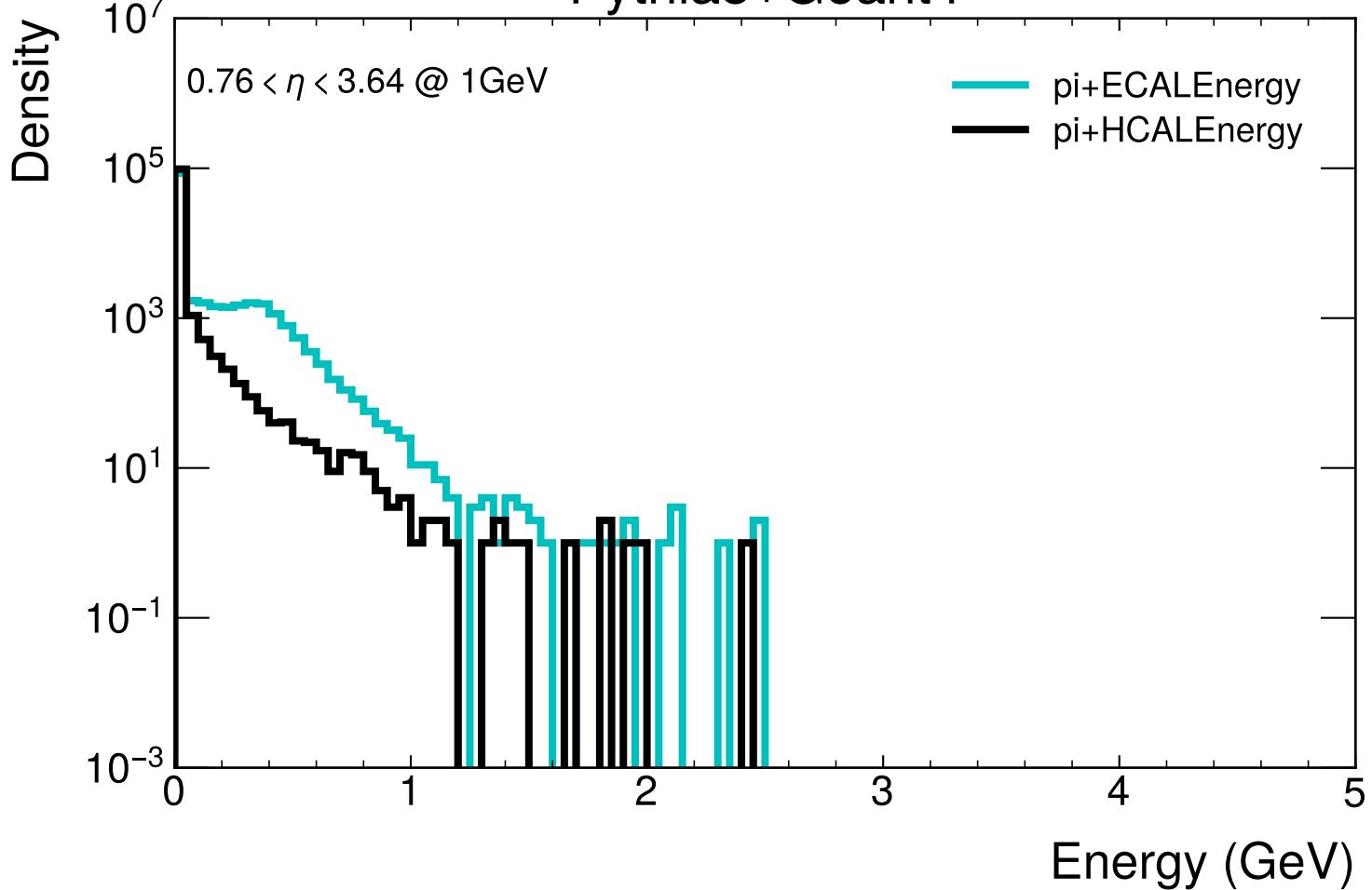


neutron@20GeV spanning $-0.88 < \eta < 0.88$



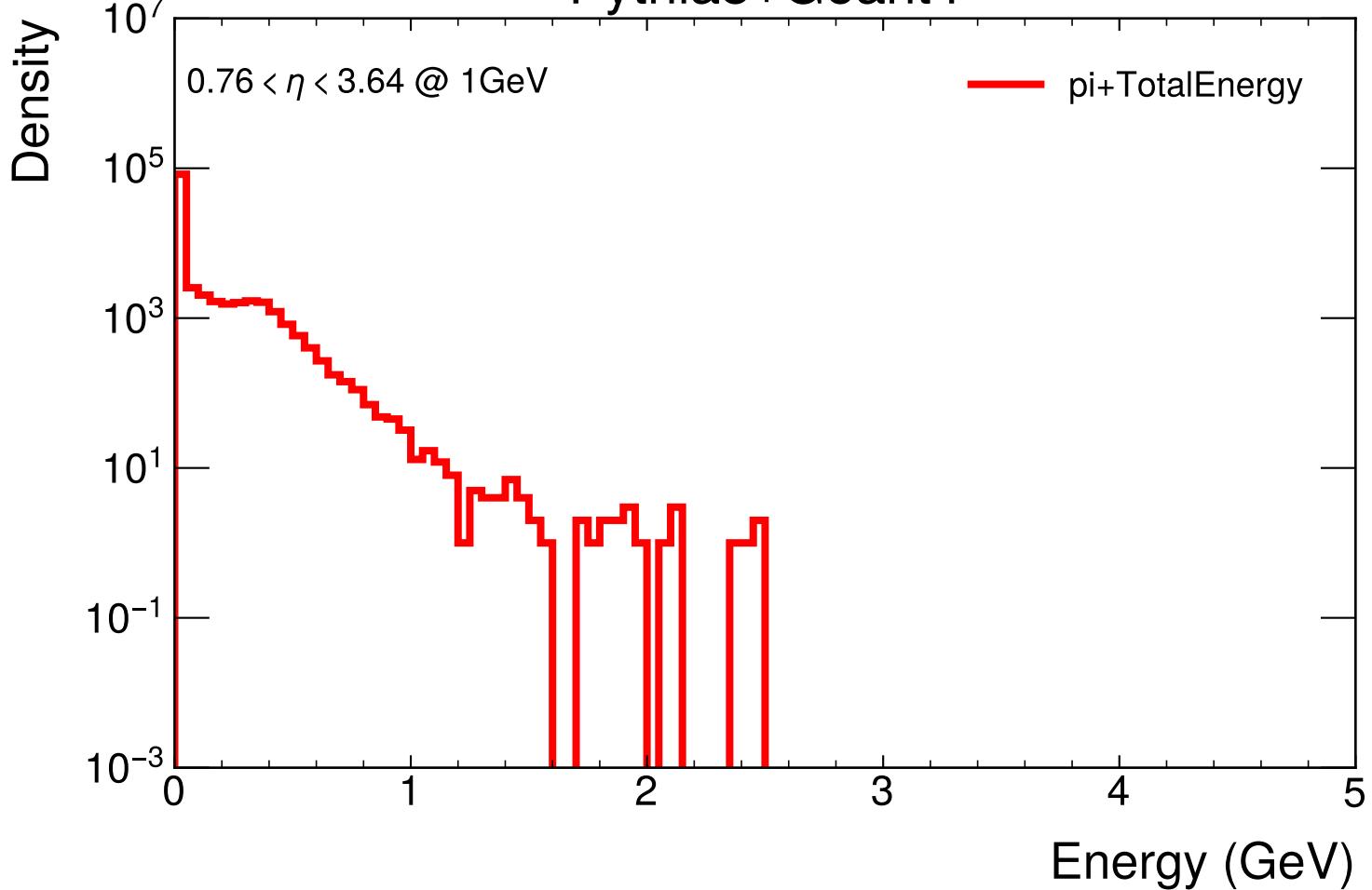
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Pythia8+Geant4

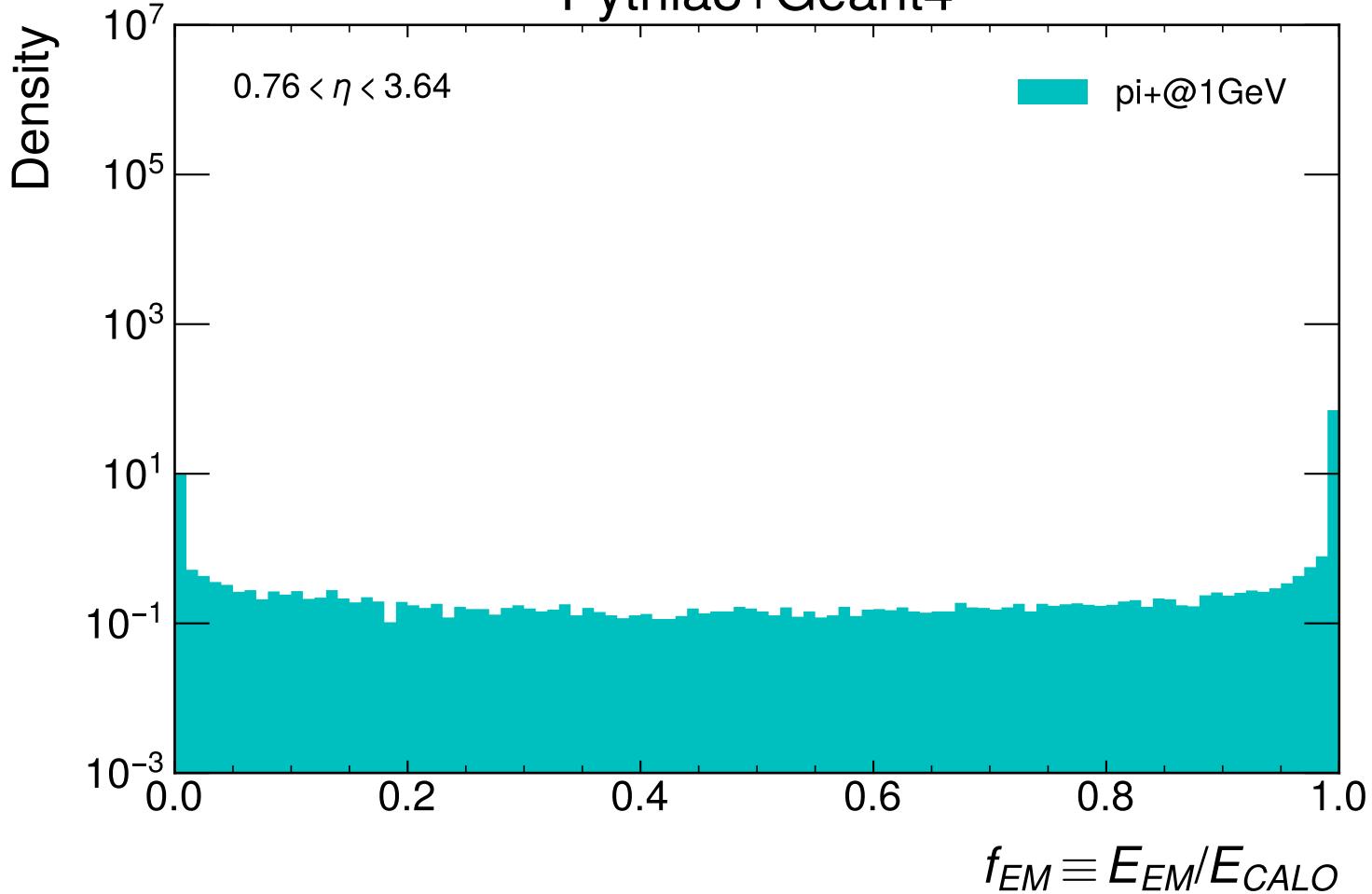


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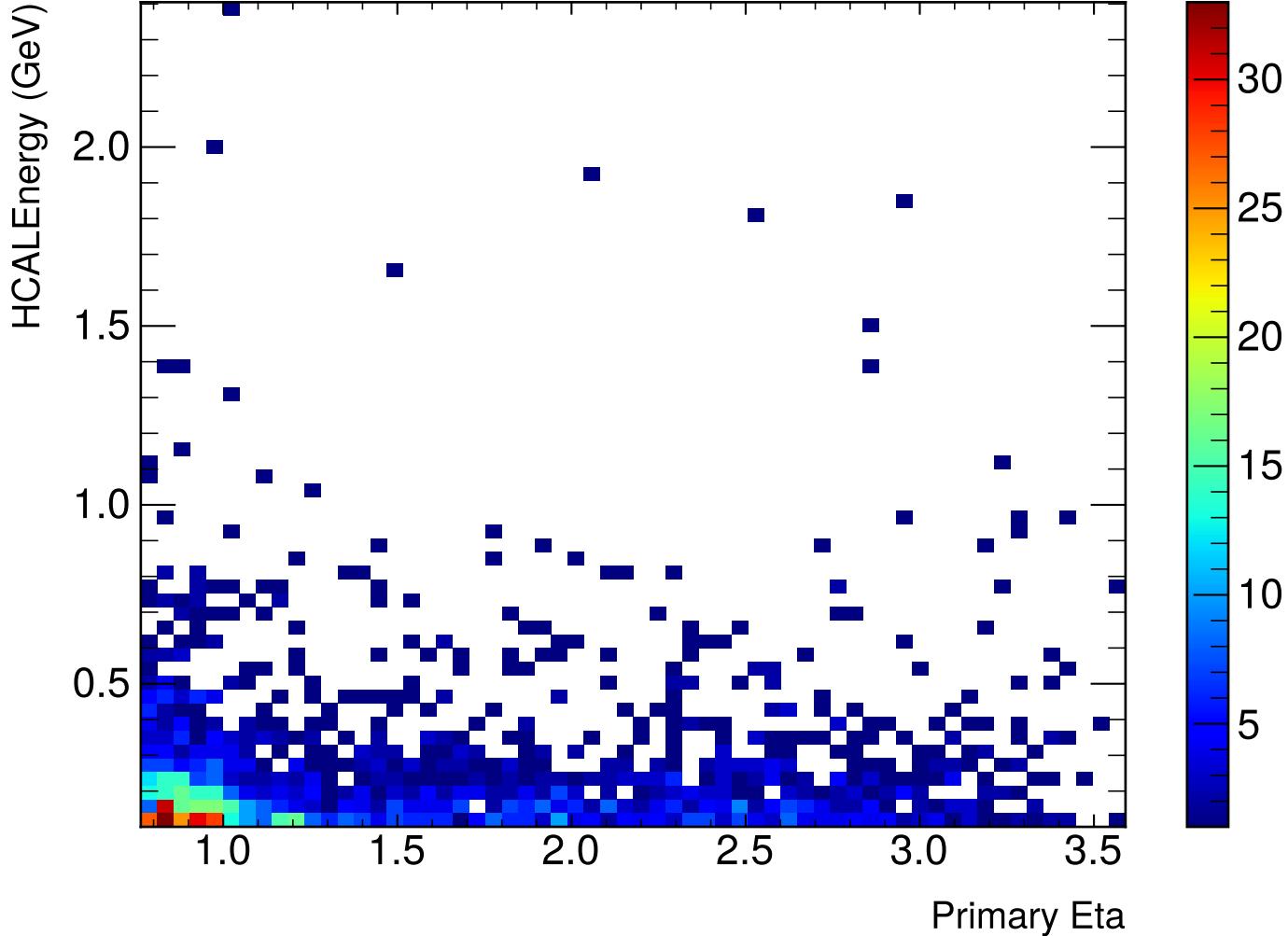
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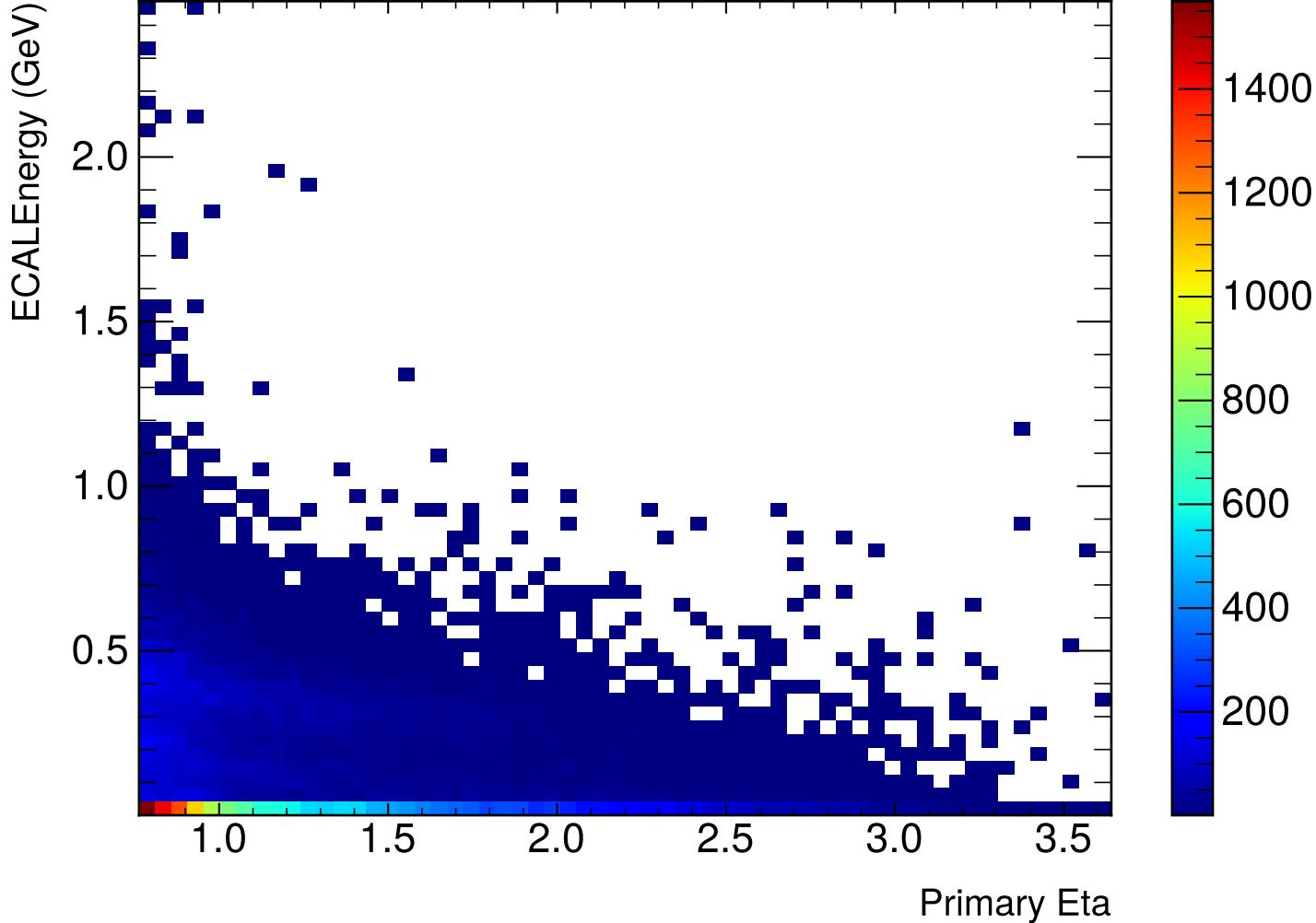
ATHENA simulation [DD4hep] Pythia8+Geant4



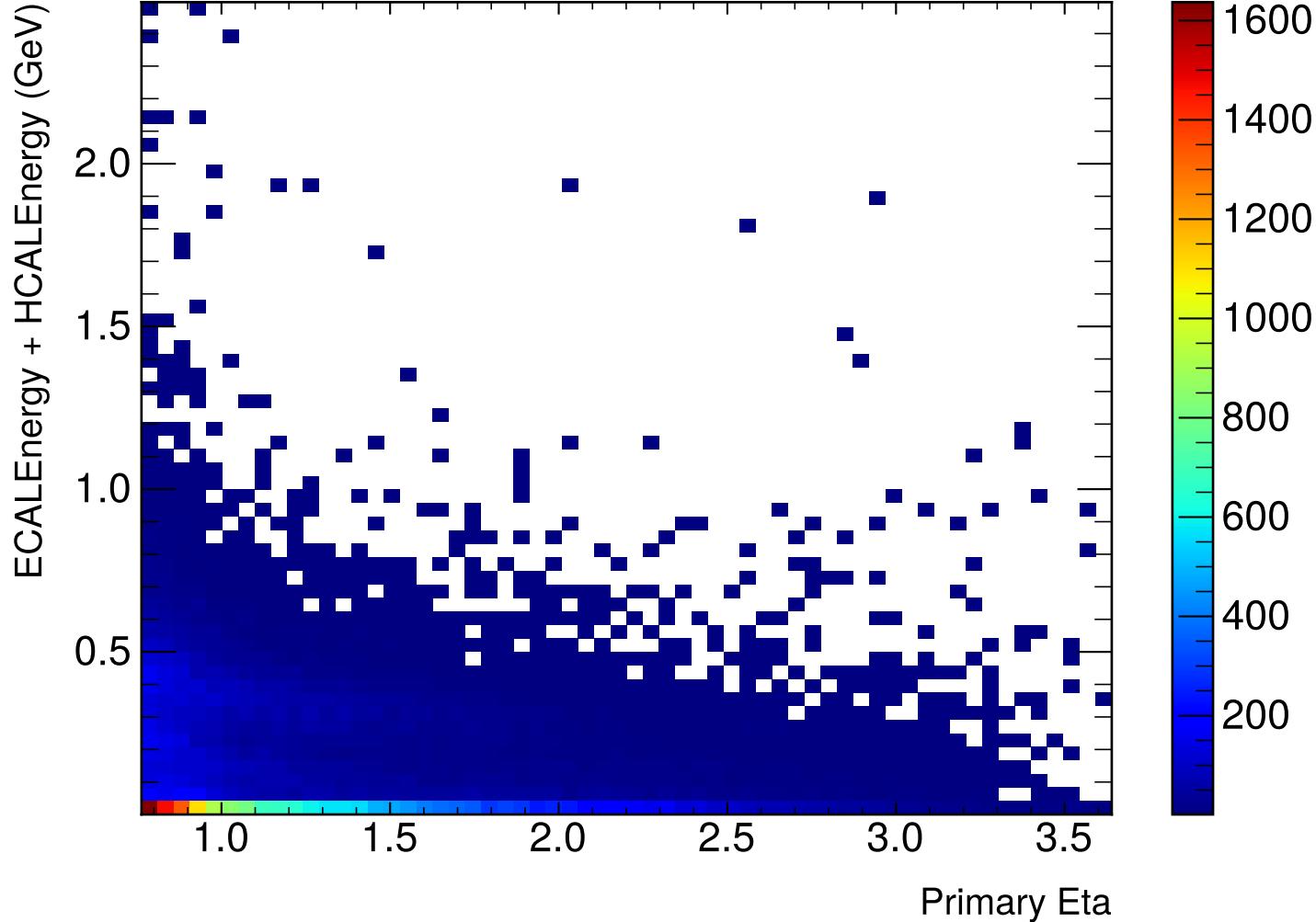
$\pi^+@1\text{GeV}$ spanning $0.76 < \eta < 3.64$



$\pi^+@1\text{GeV}$ spanning $0.76 < \eta < 3.64$

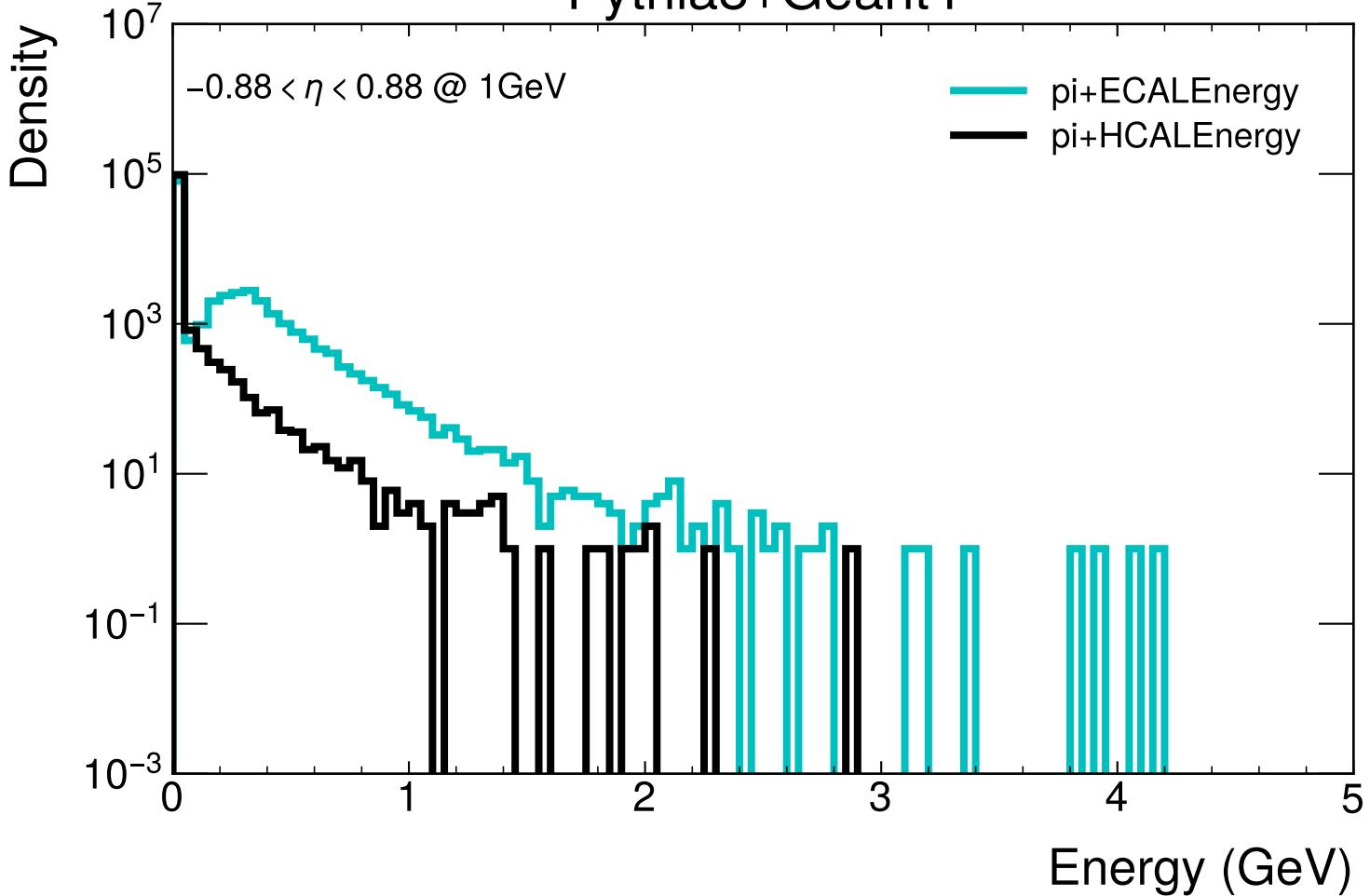


$\pi^+@1\text{GeV}$ spanning $0.76 < \eta < 3.64$



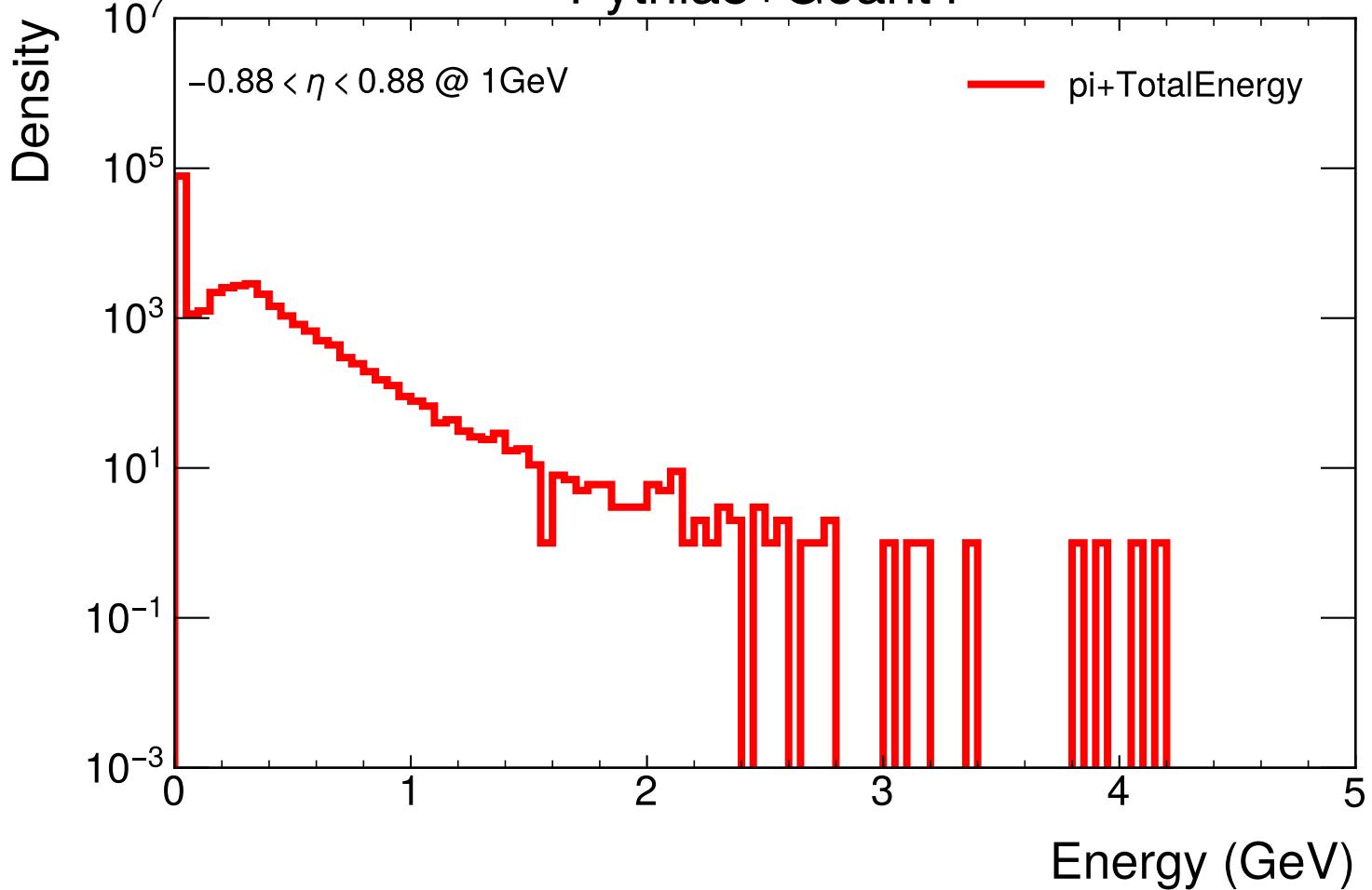
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Pythia8+Geant4

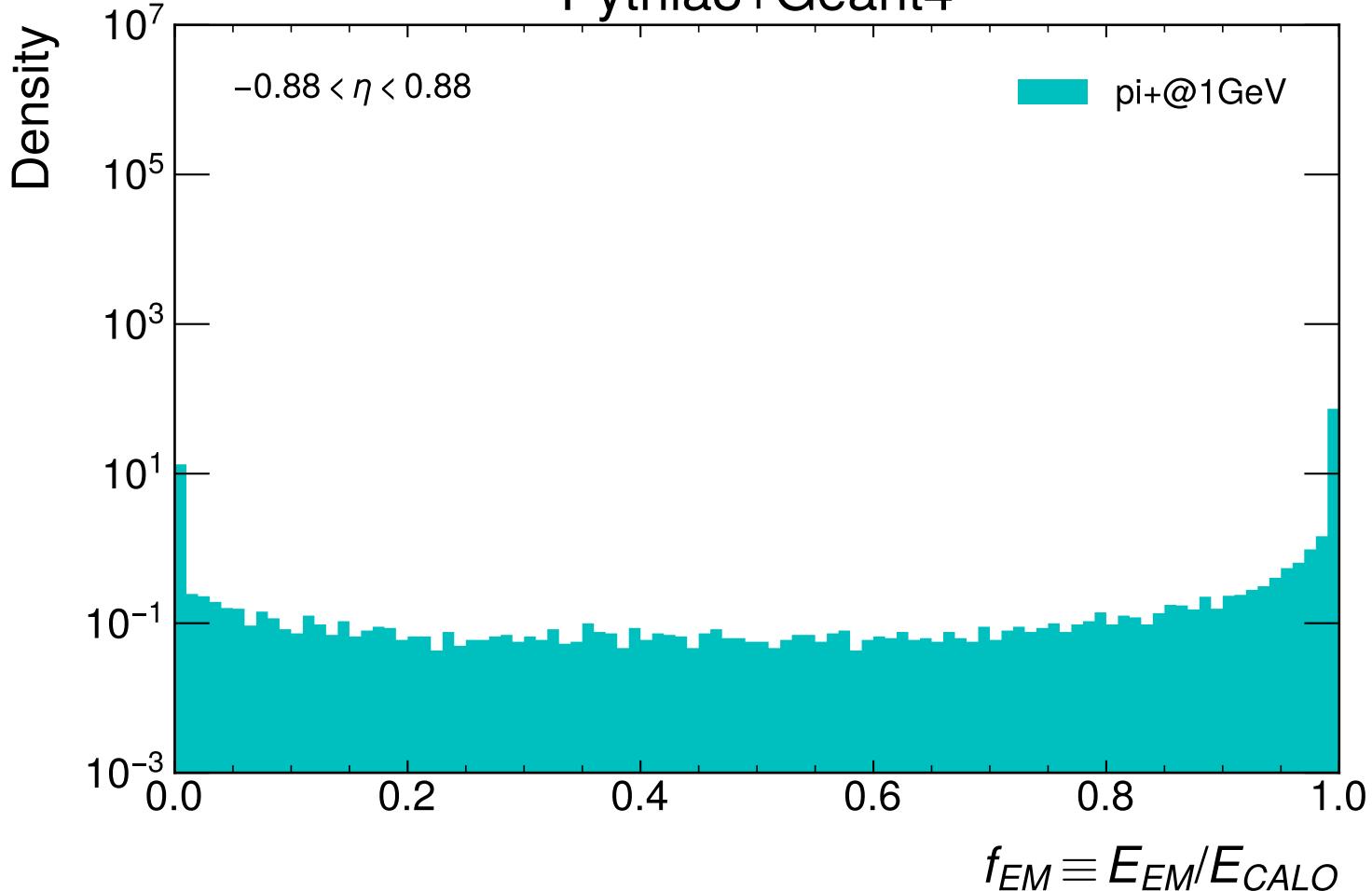


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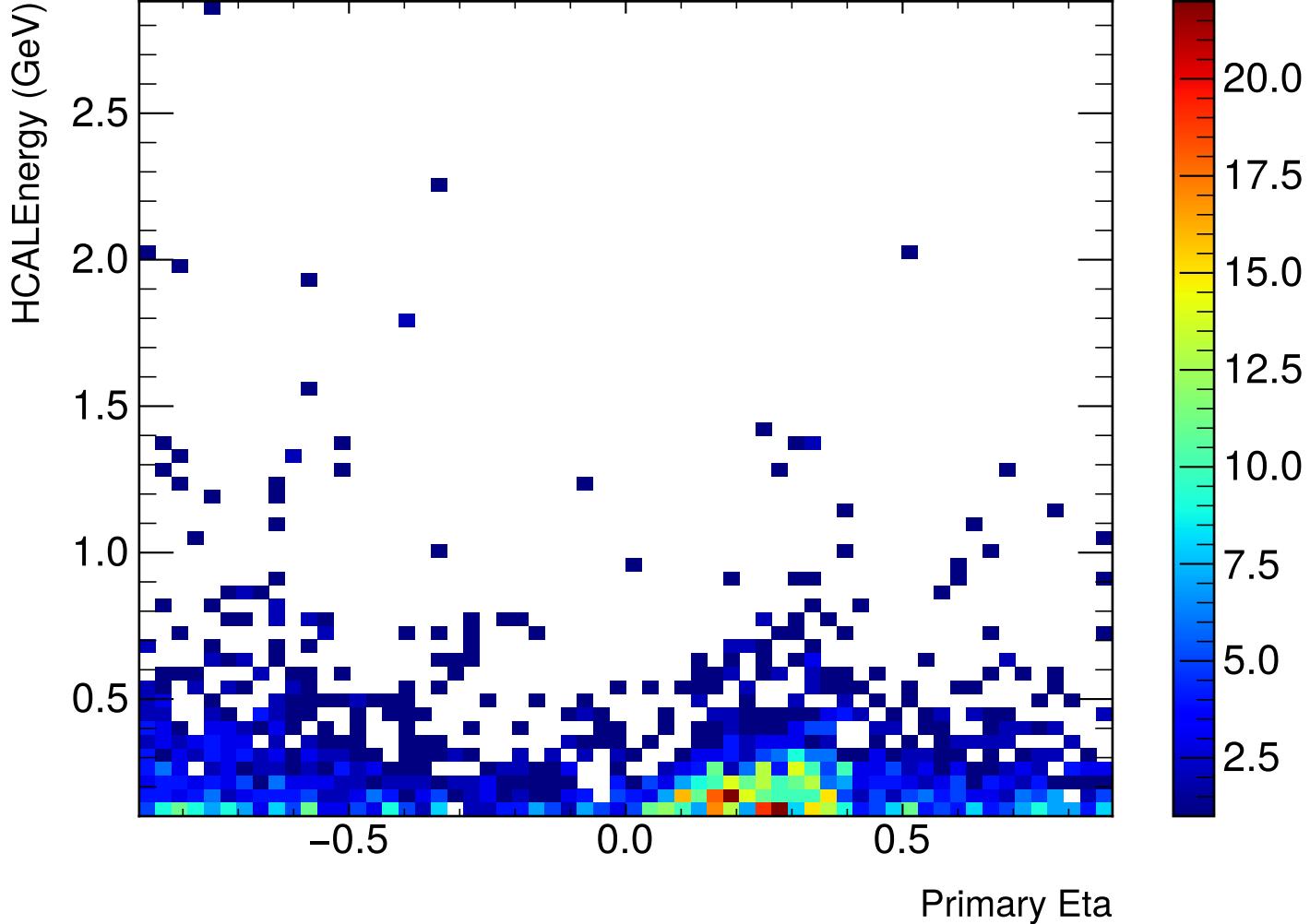
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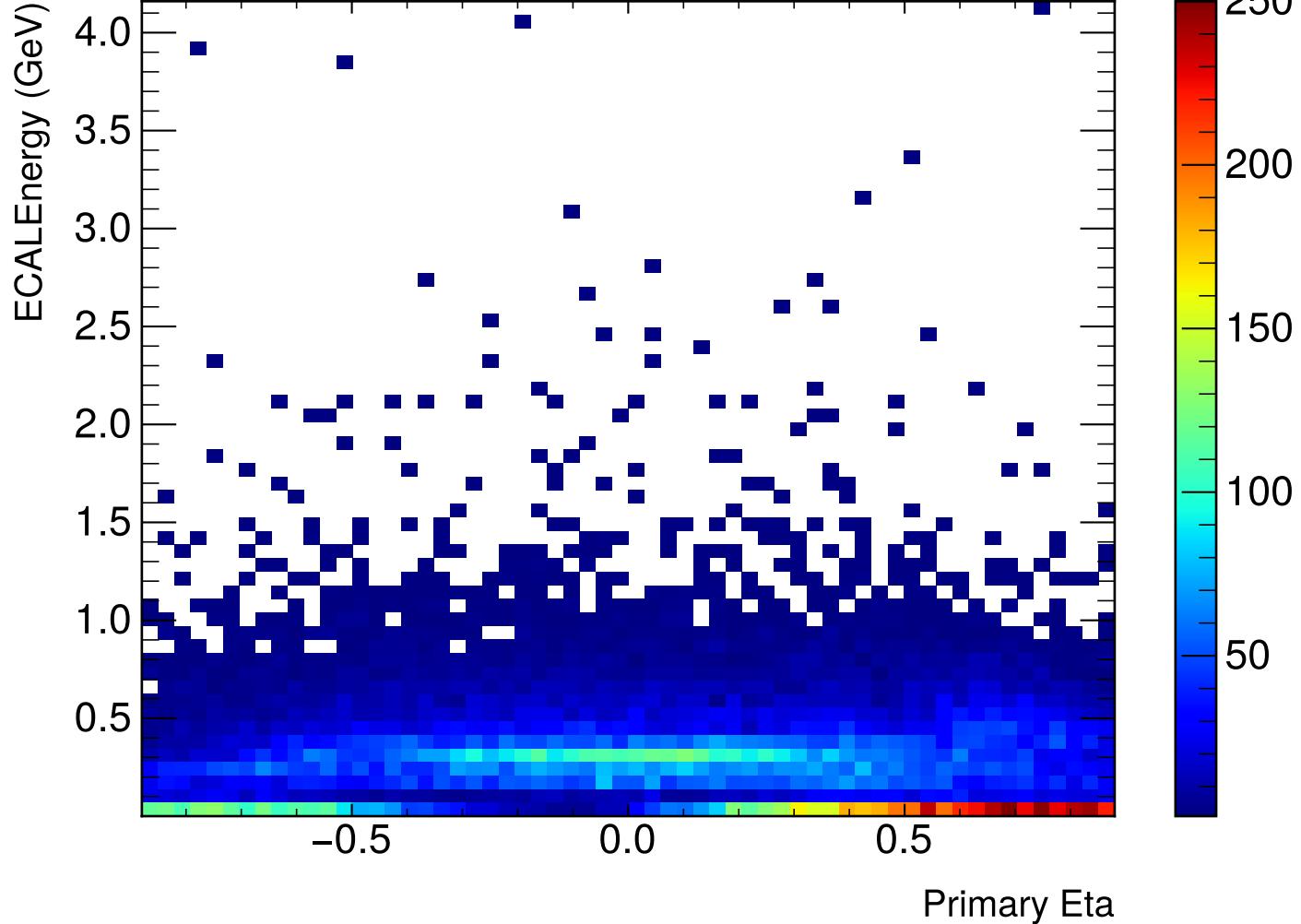
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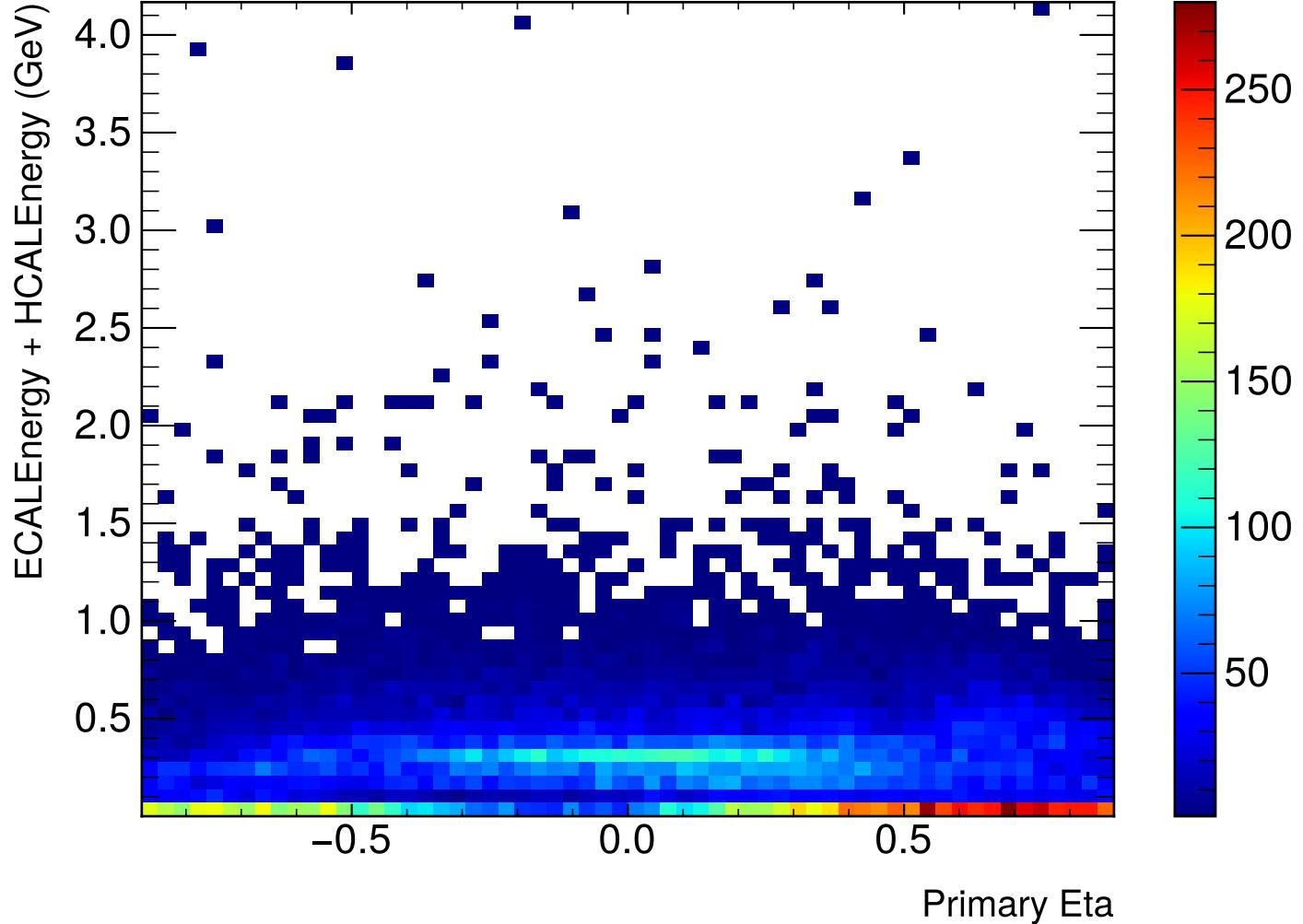
$\pi^+@1\text{GeV}$ spanning $-0.88 < \eta < 0.88$



$\pi^+@1\text{GeV}$ spanning $-0.88 < \eta < 0.88$

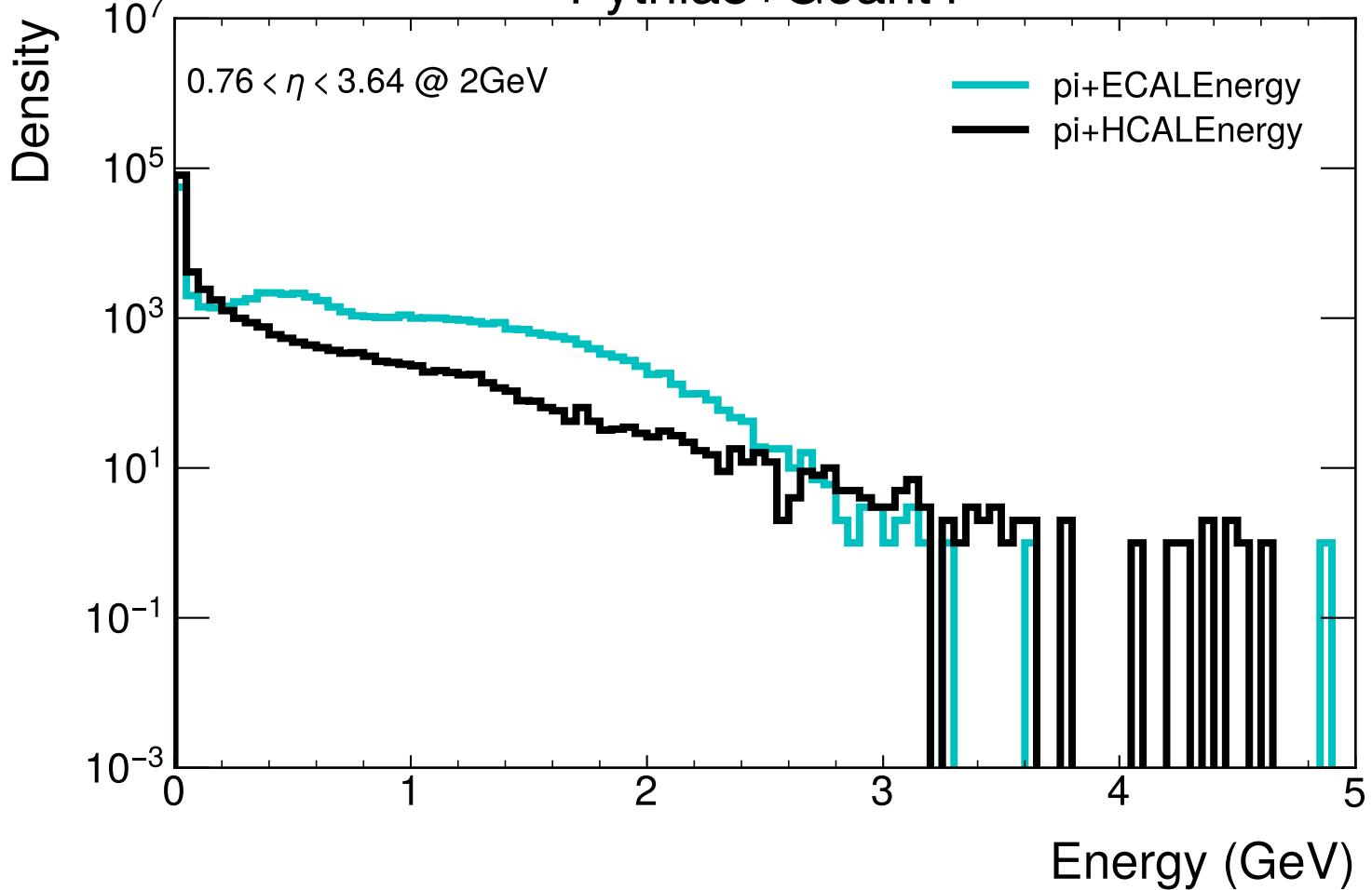


$\pi^+@1\text{GeV}$ spanning $-0.88 < \eta < 0.88$



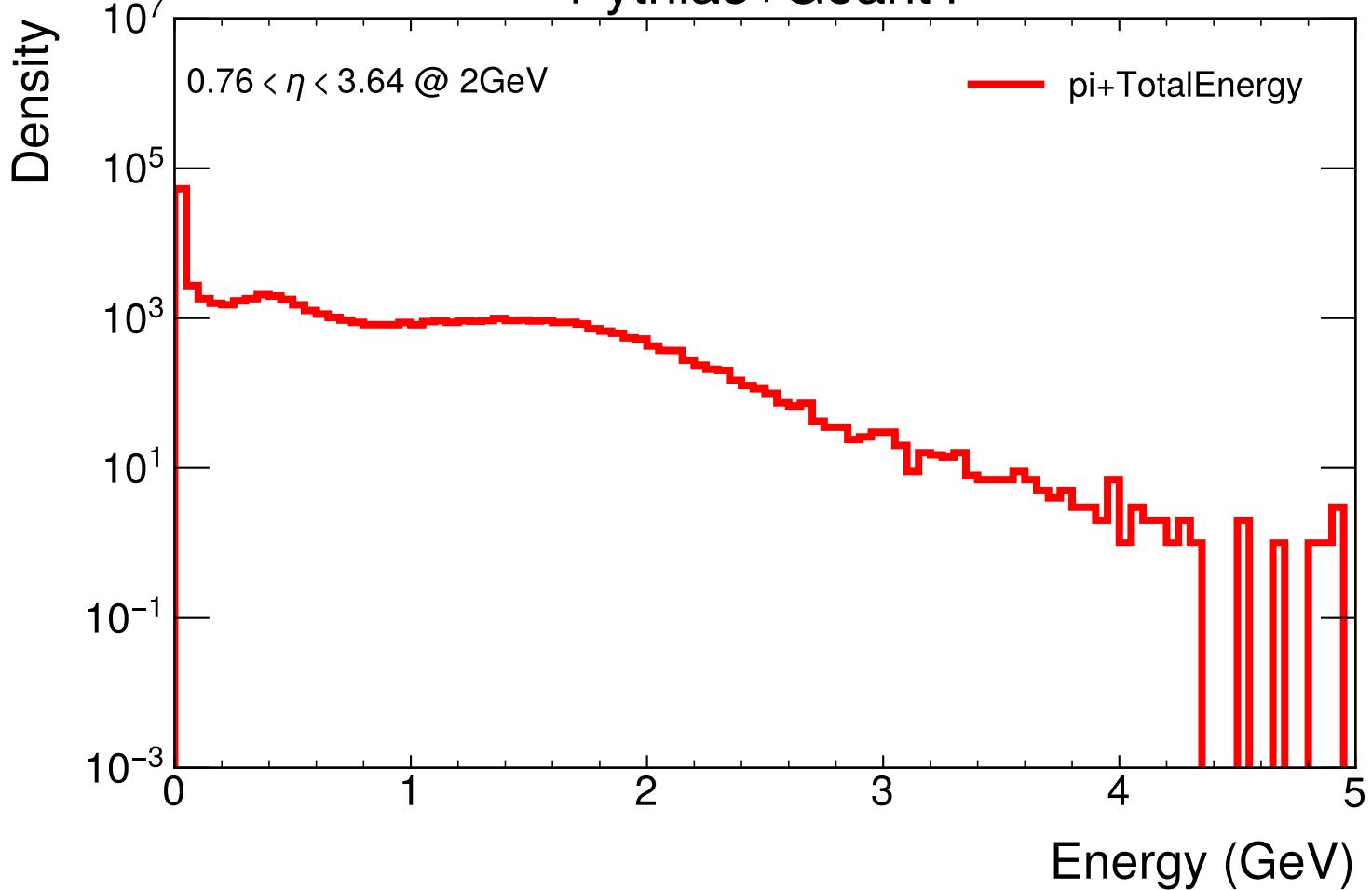
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Pythia8+Geant4

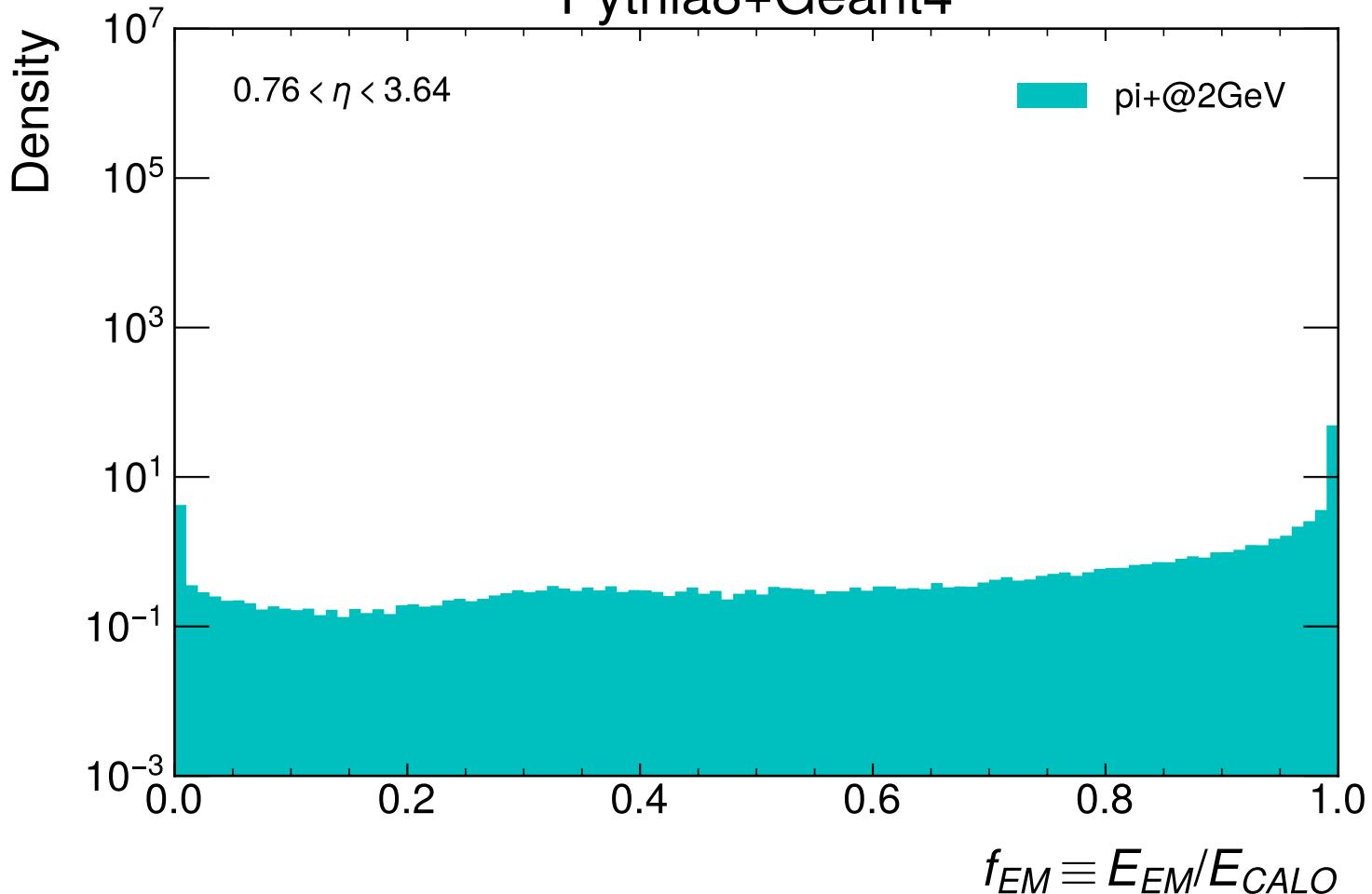


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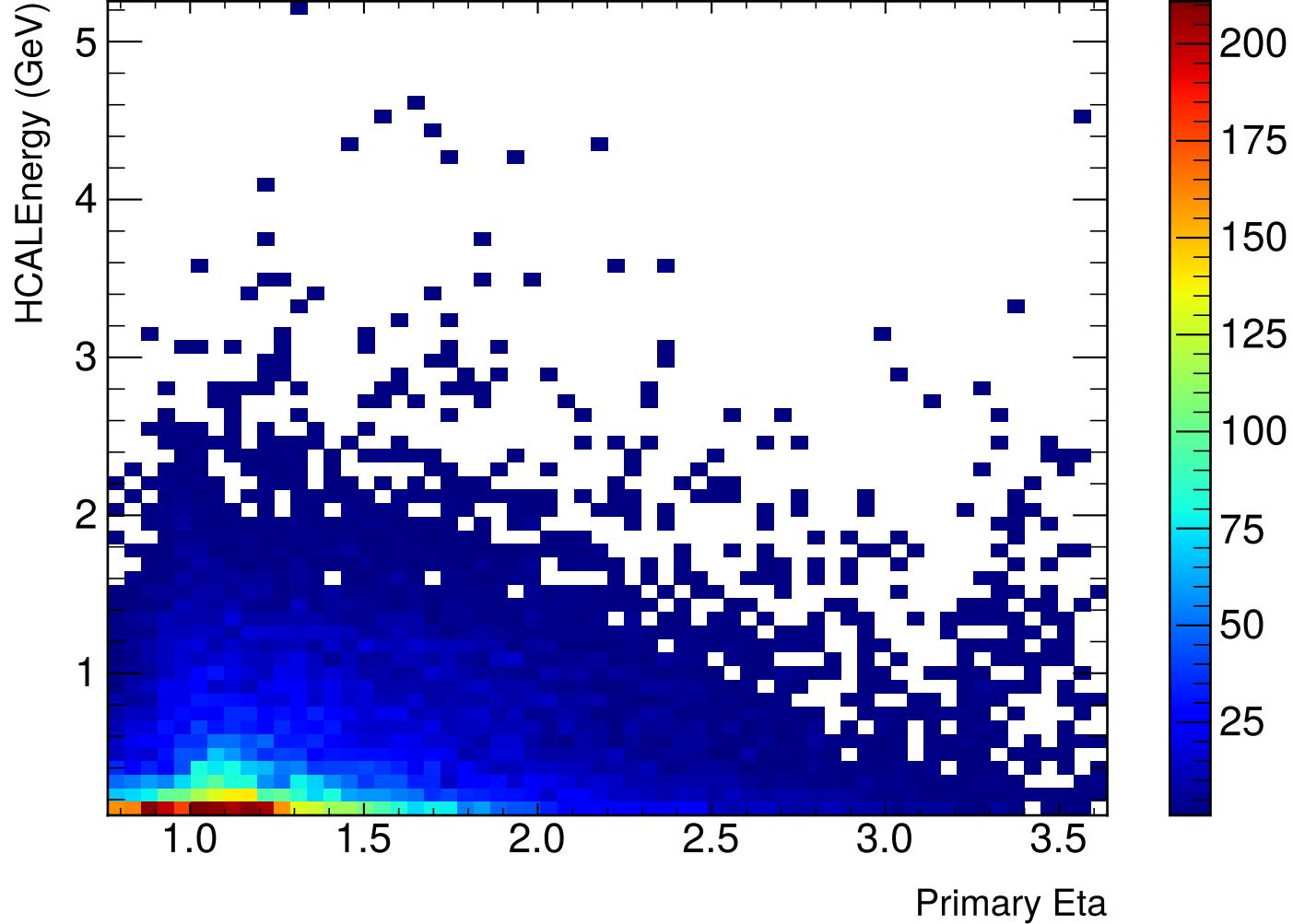
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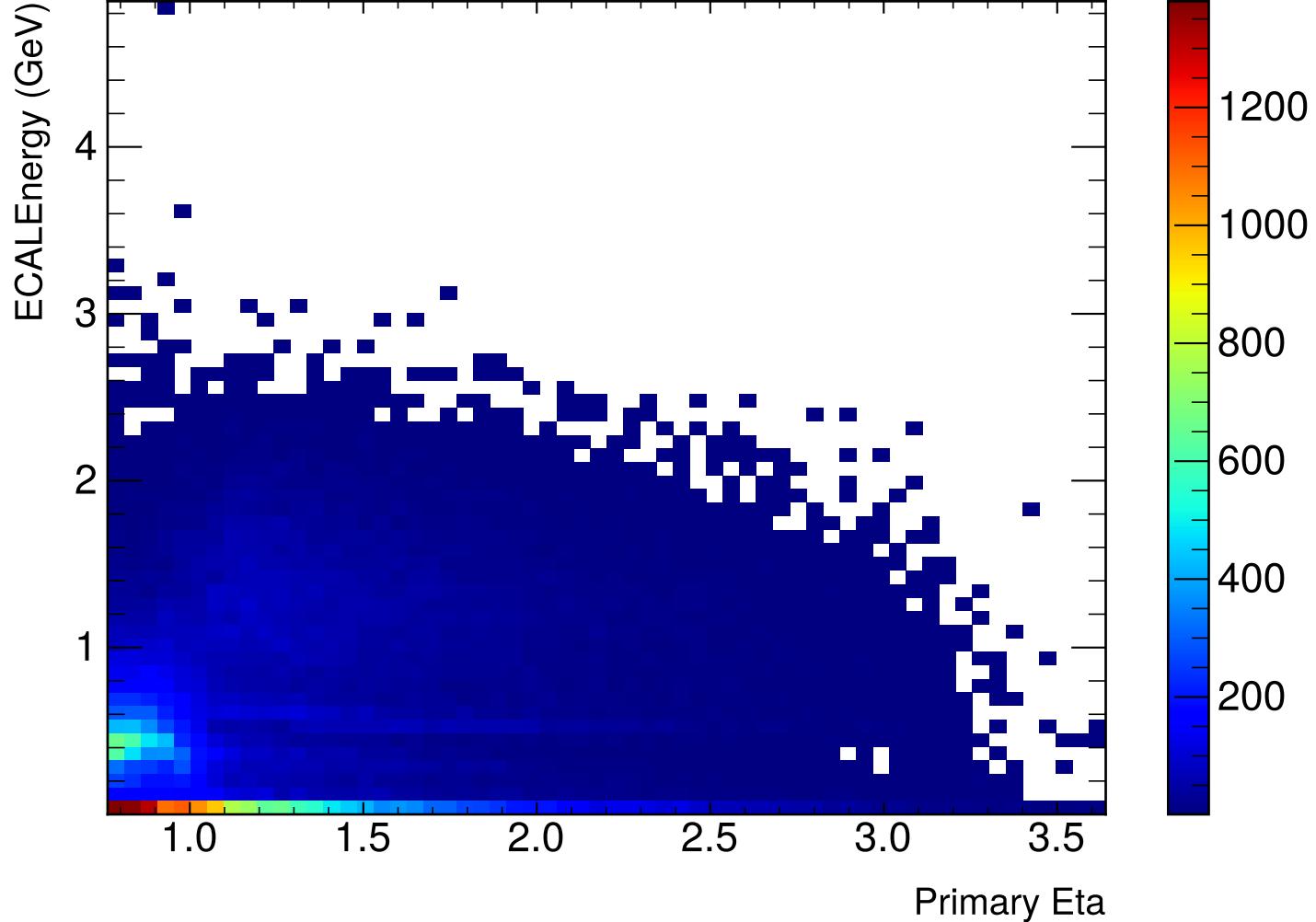
ATHENA simulation [DD4hep] Pythia8+Geant4



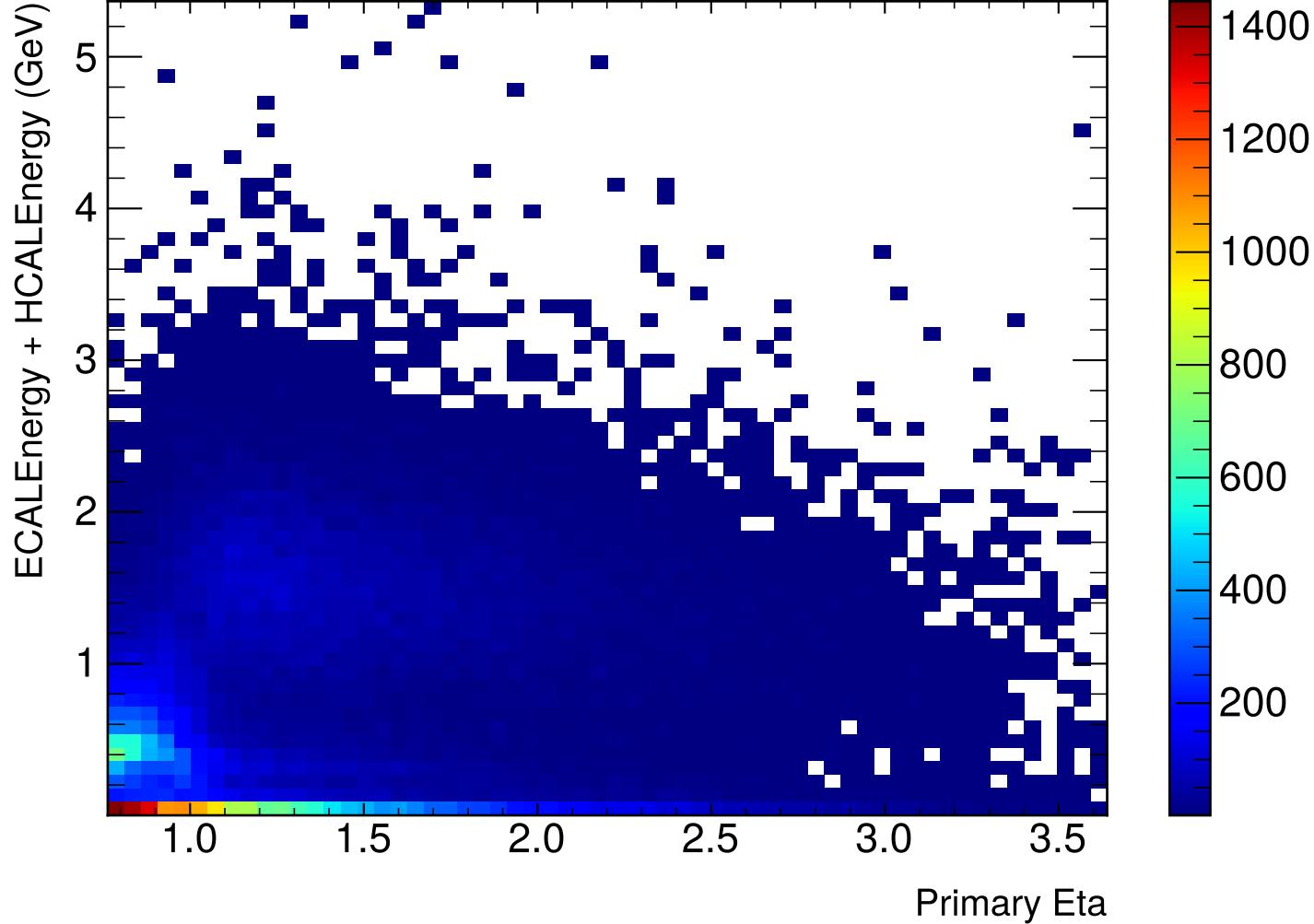
$\pi^+ @ 2\text{GeV}$ spanning $0.76 < \eta < 3.64$



$\pi^+ @ 2\text{GeV}$ spanning $0.76 < \eta < 3.64$

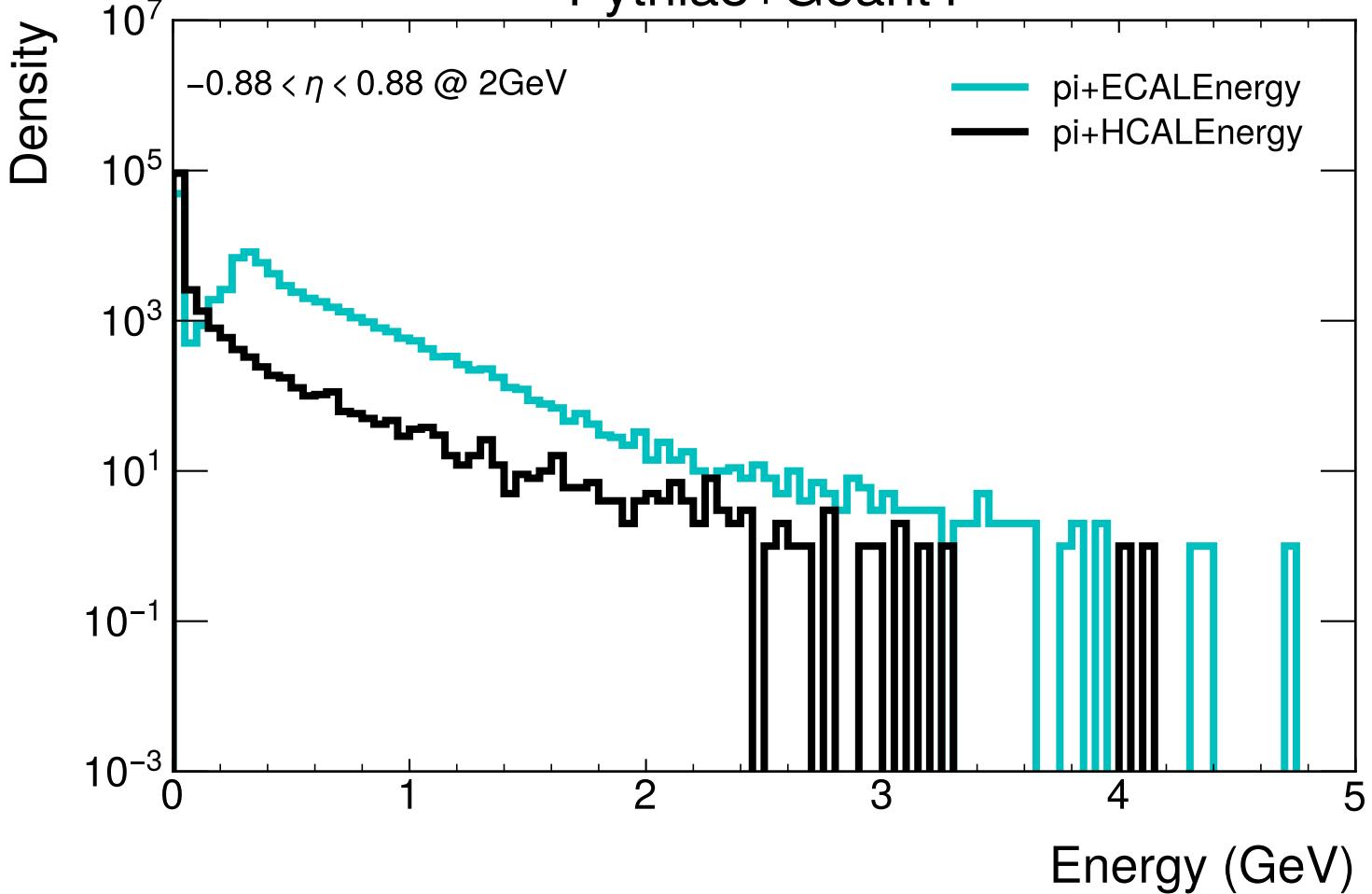


$\pi^+ @ 2\text{GeV}$ spanning $0.76 < \eta < 3.64$



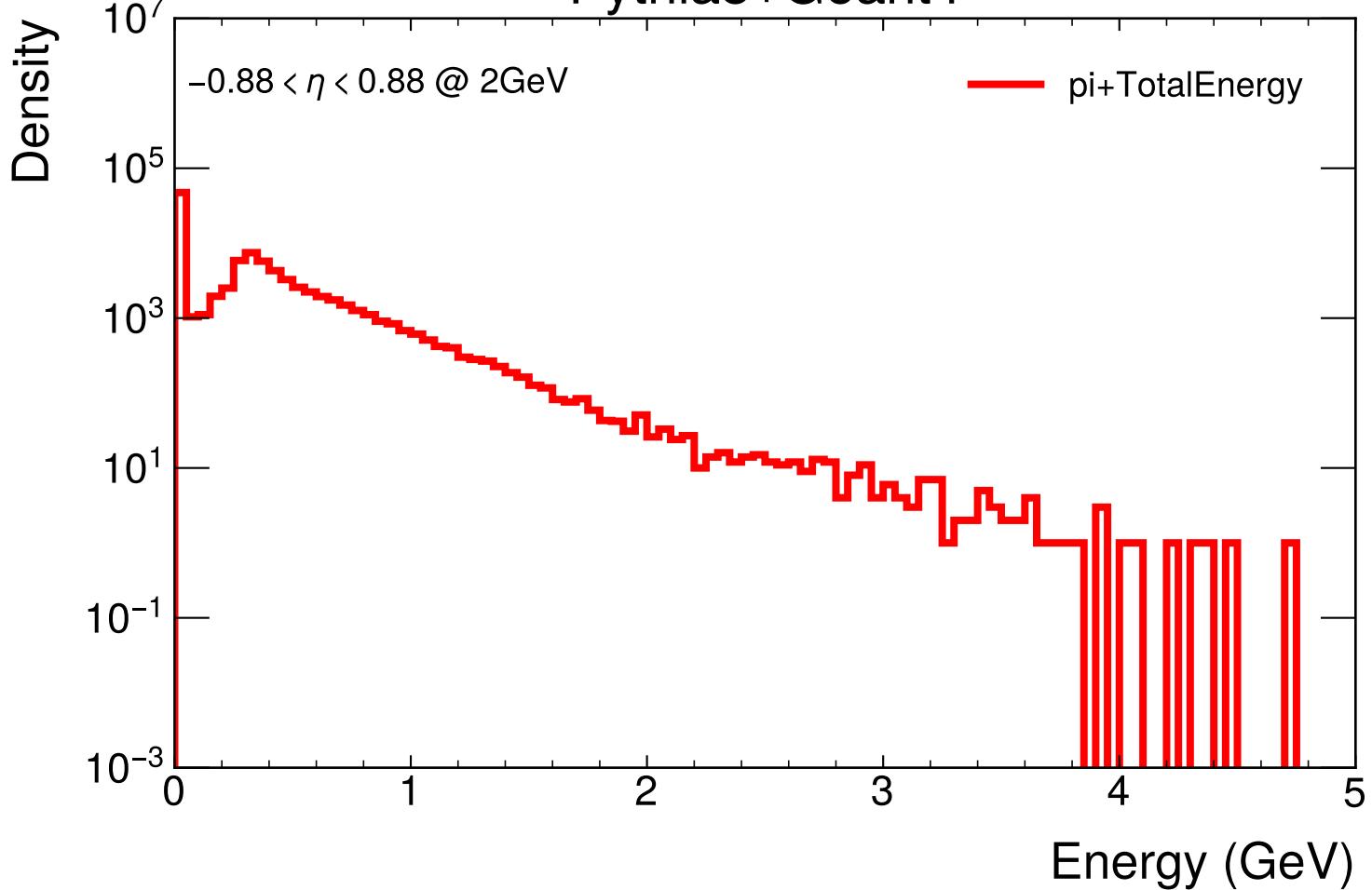
ATHENA simulation [DD4hep]

Pythia8+Geant4

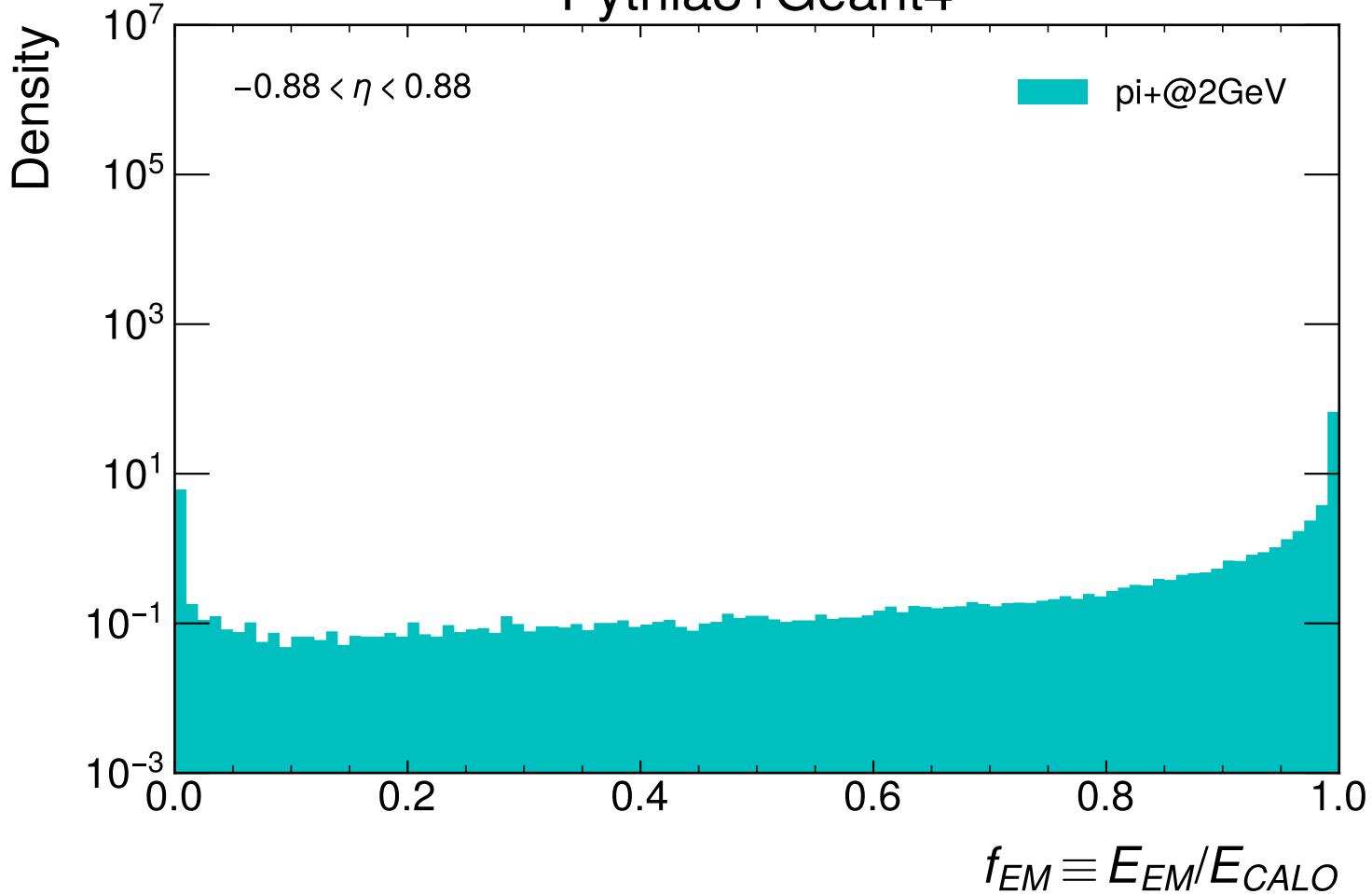


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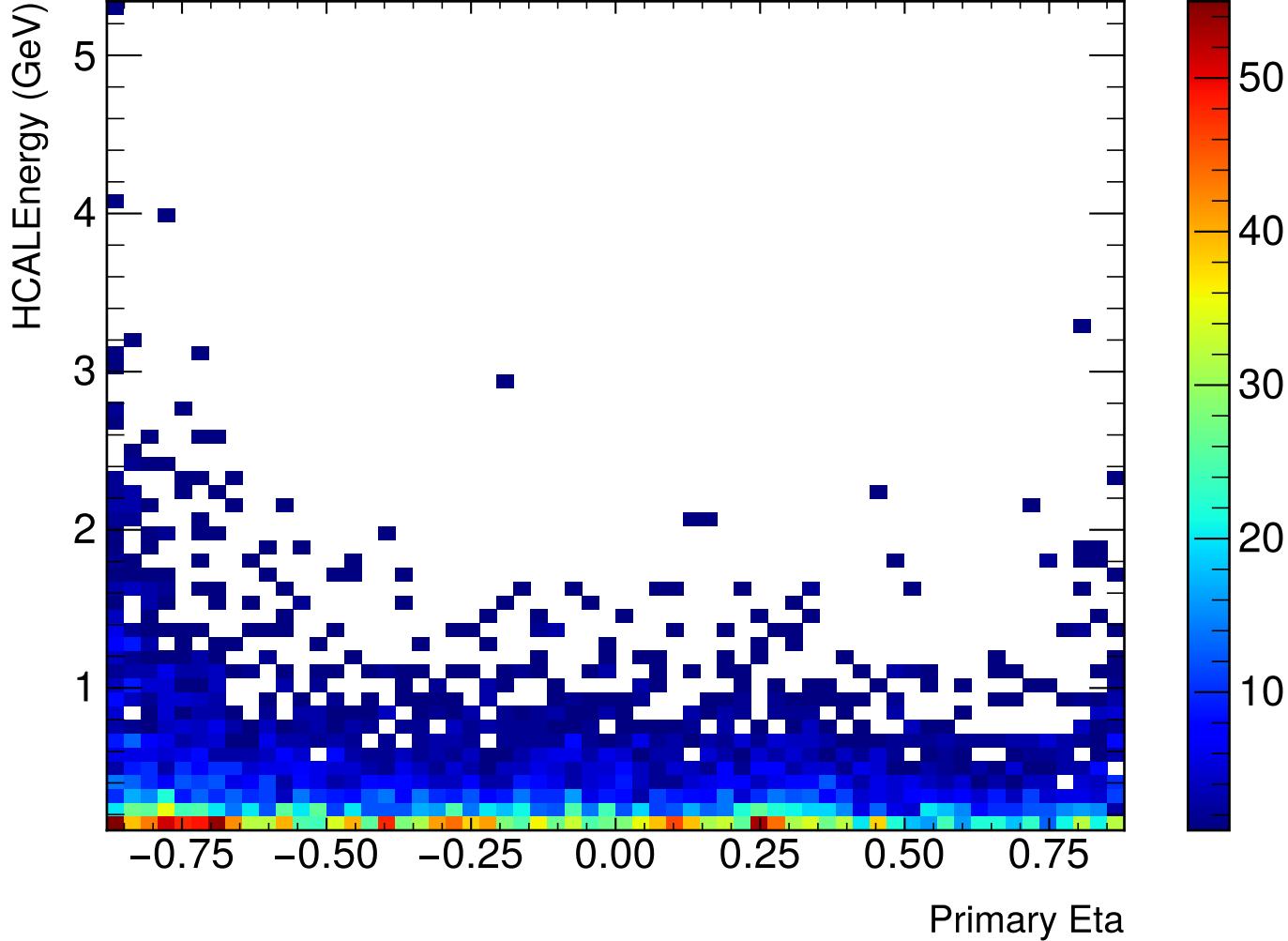
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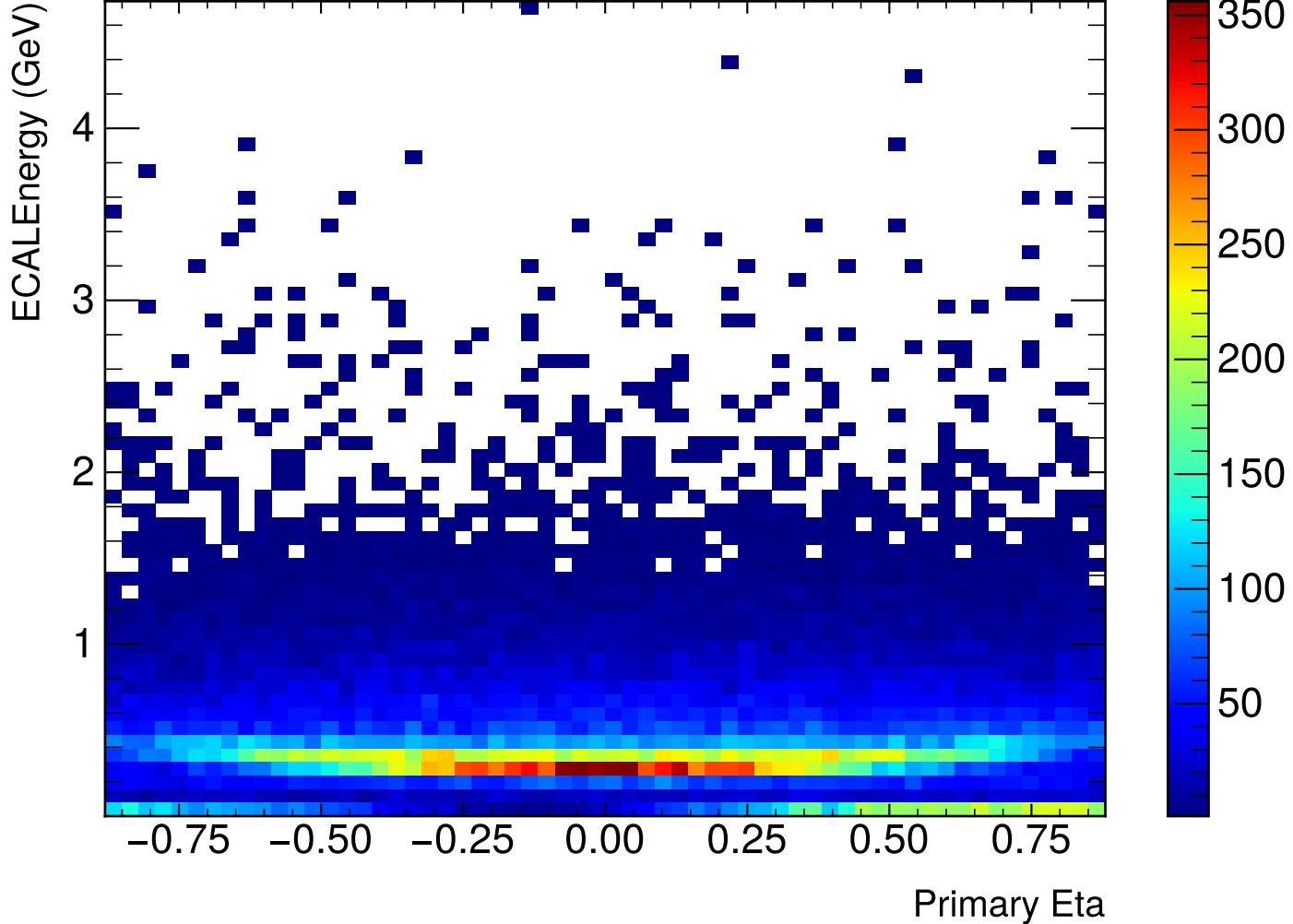
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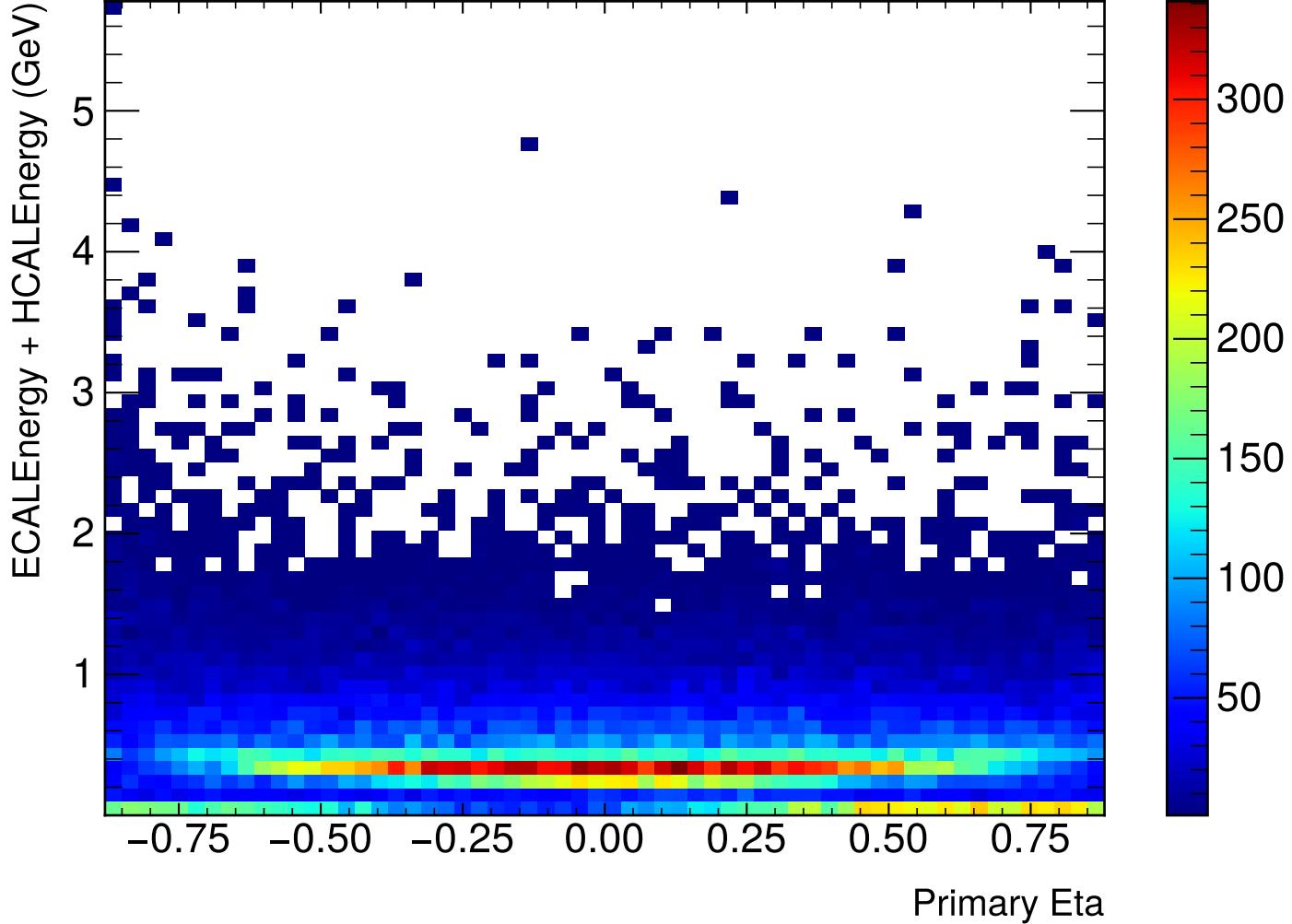
$\pi^+ @ 2\text{GeV}$ spanning $-0.88 < \eta < 0.88$



$\pi^+@2\text{GeV}$ spanning $-0.88 < \eta < 0.88$

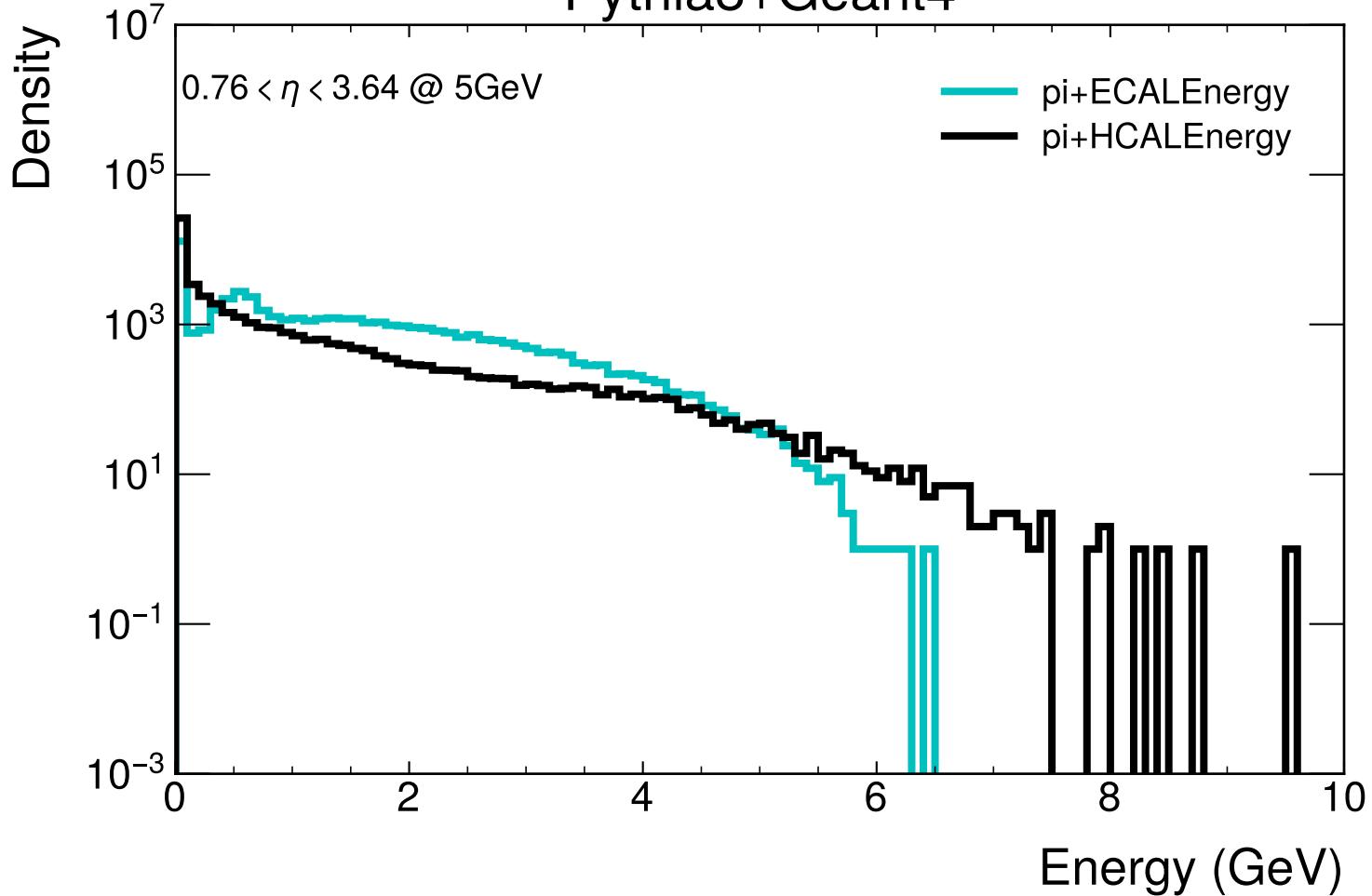


$\pi^+ @ 2\text{GeV}$ spanning $-0.88 < \eta < 0.88$



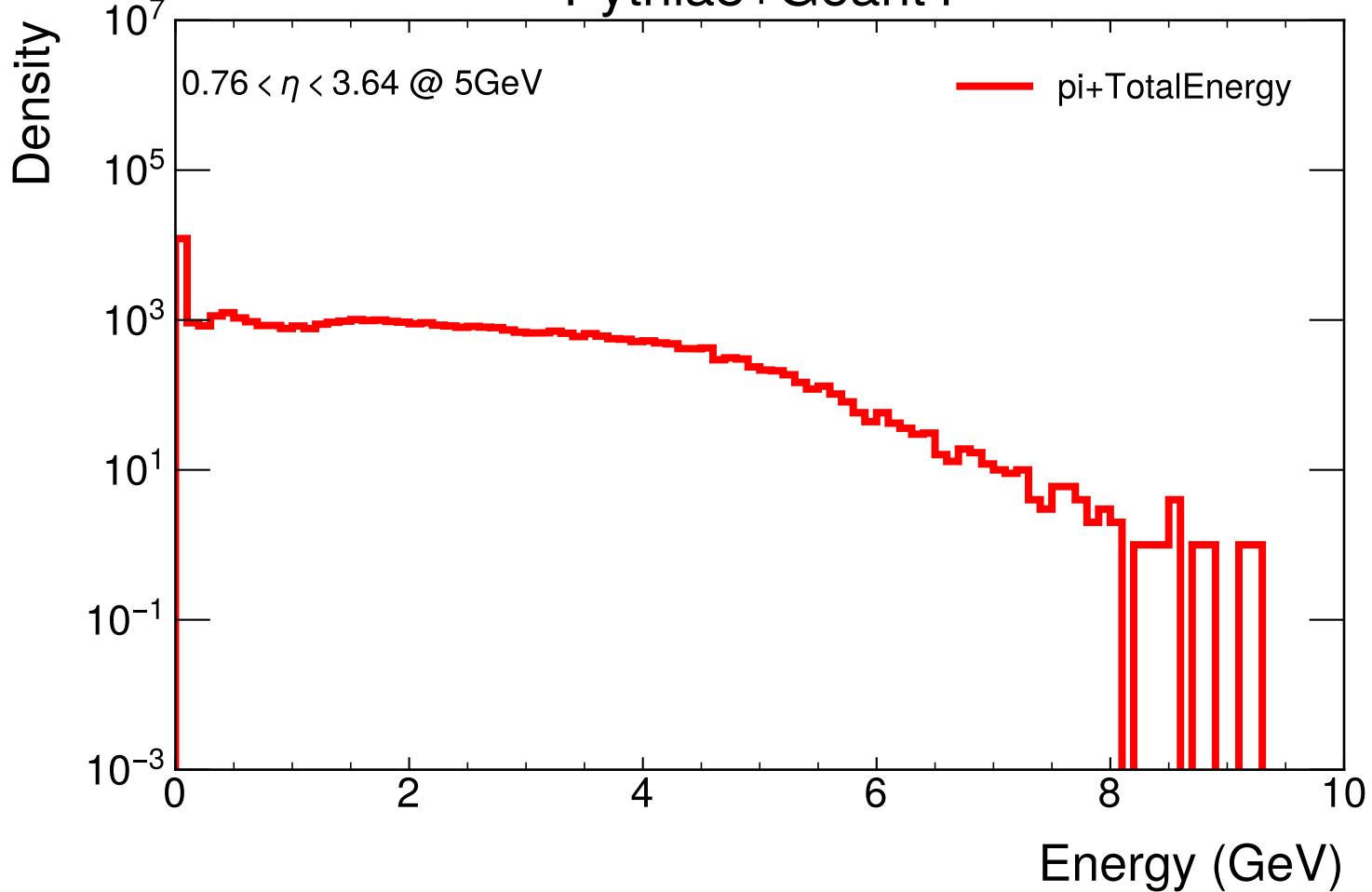
ATHENA simulation [DD4hep]

Pythia8+Geant4

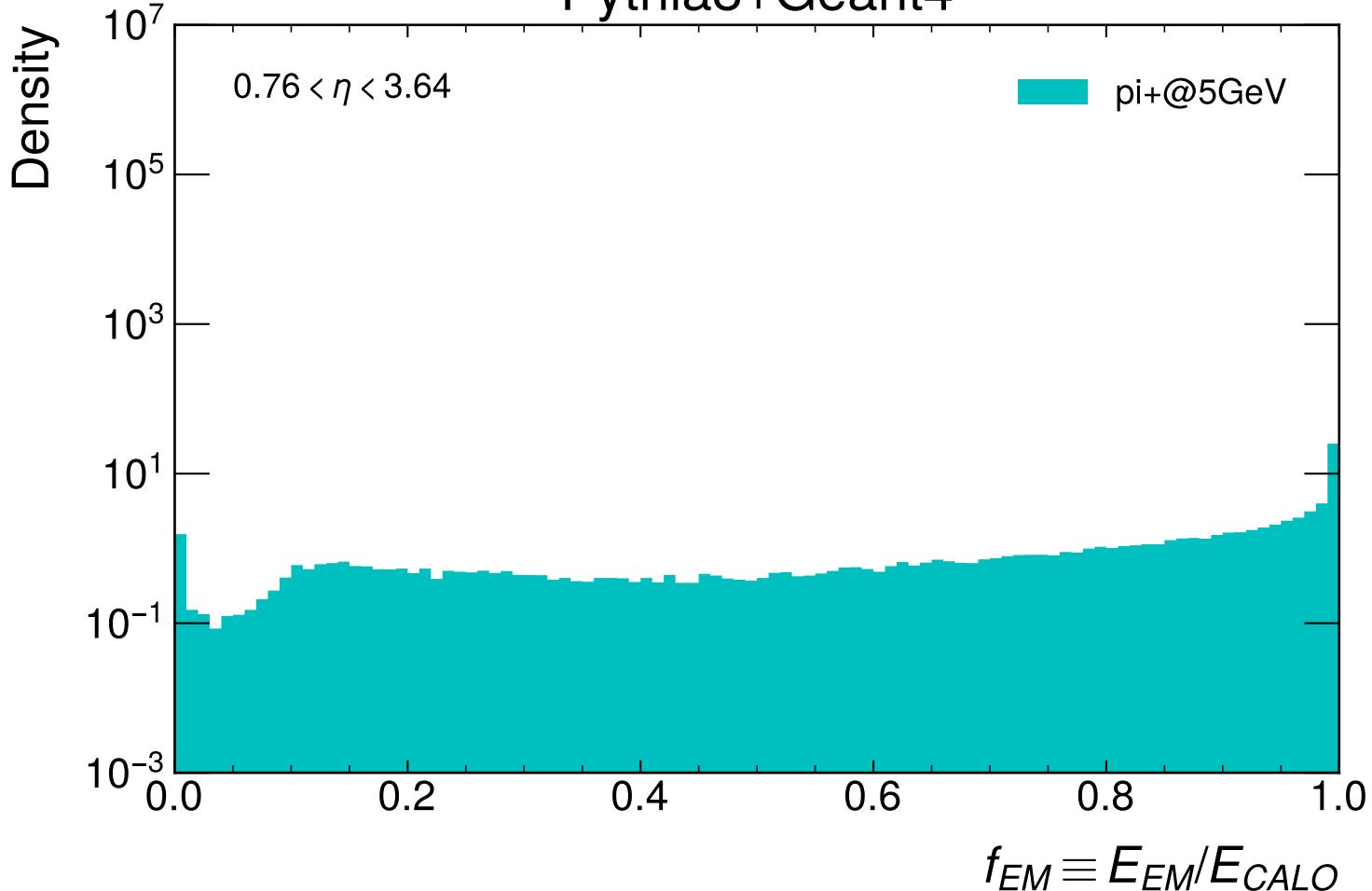


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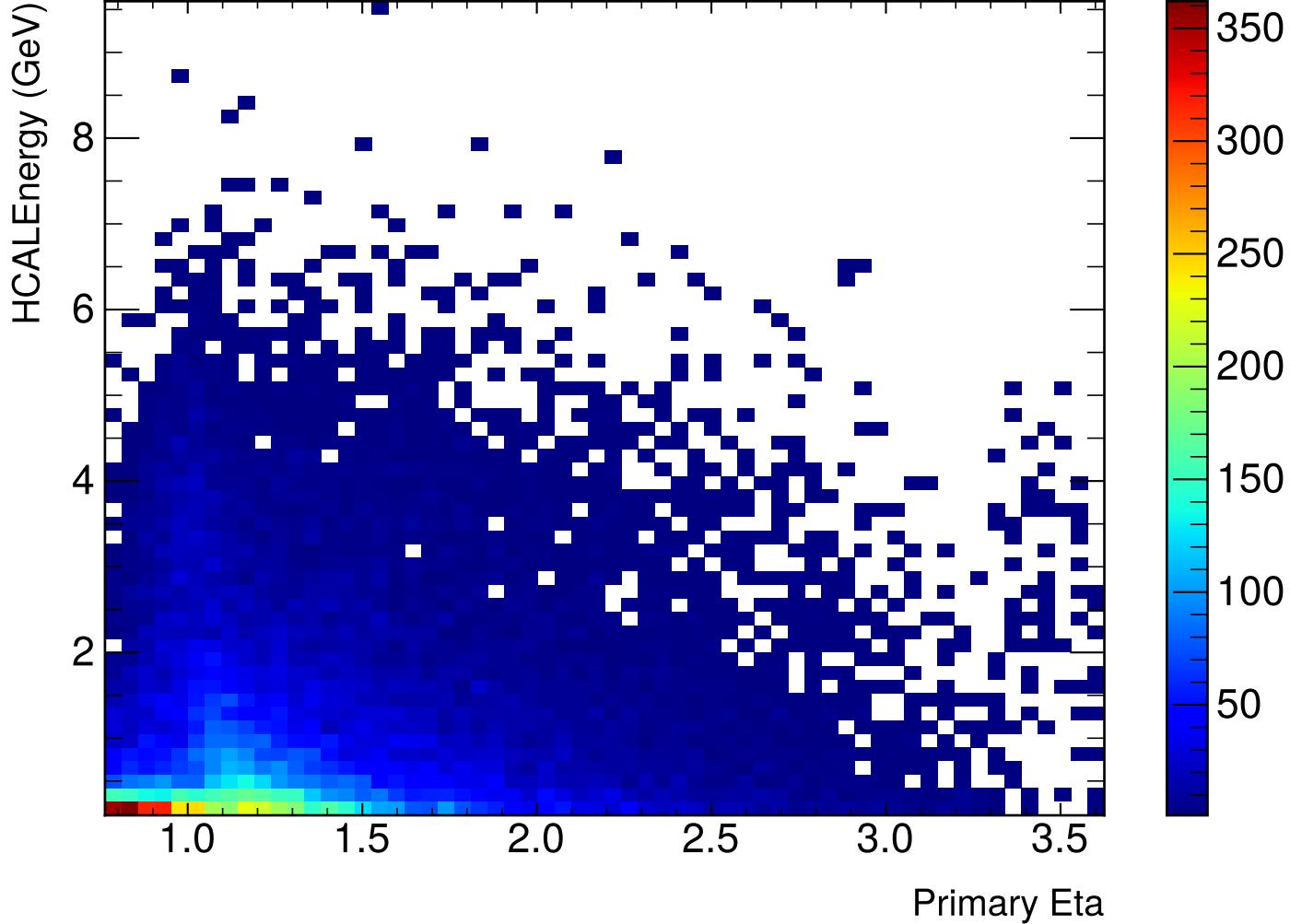
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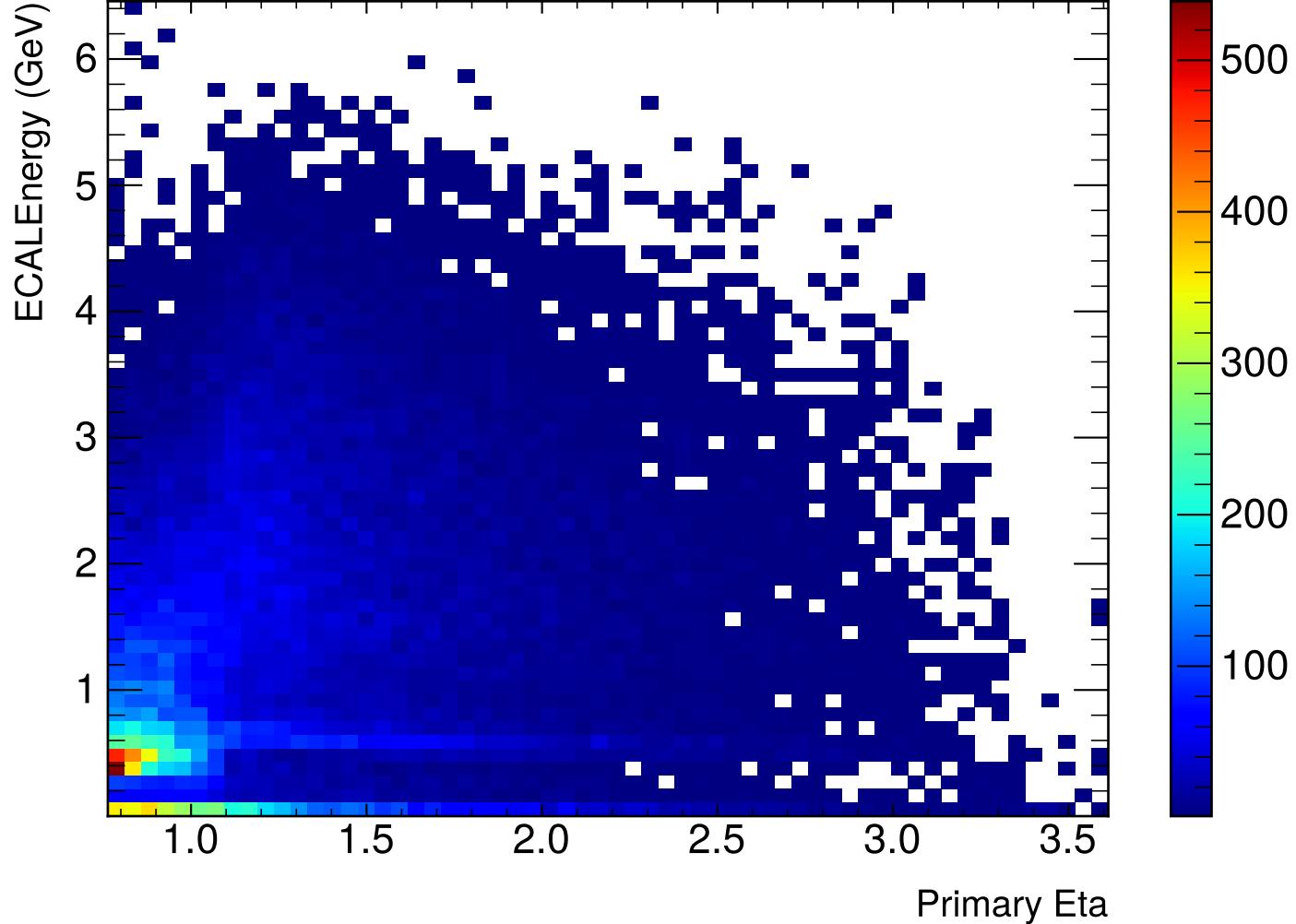
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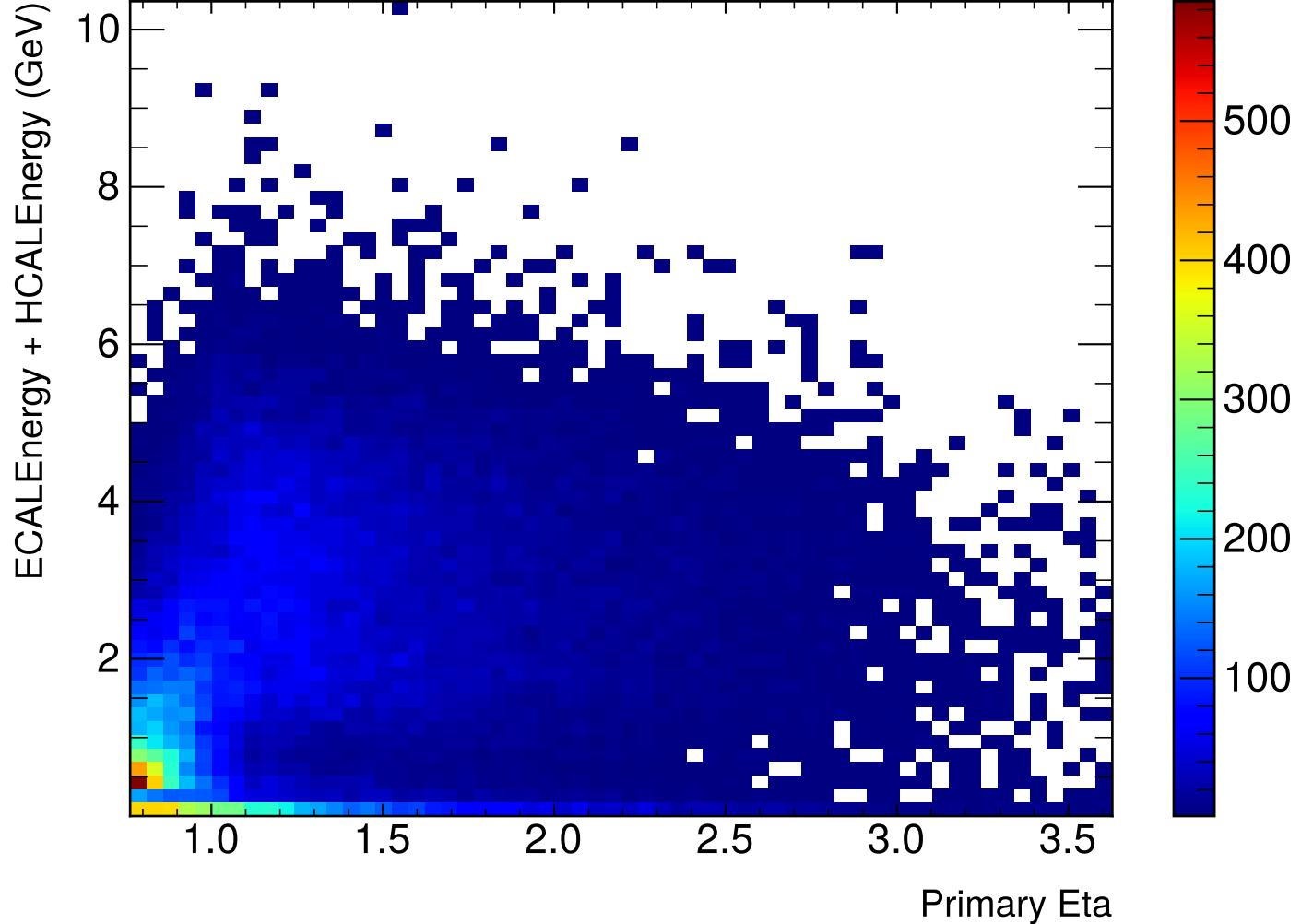
$\pi^+ @ 5\text{GeV}$ spanning $0.76 < \eta < 3.64$



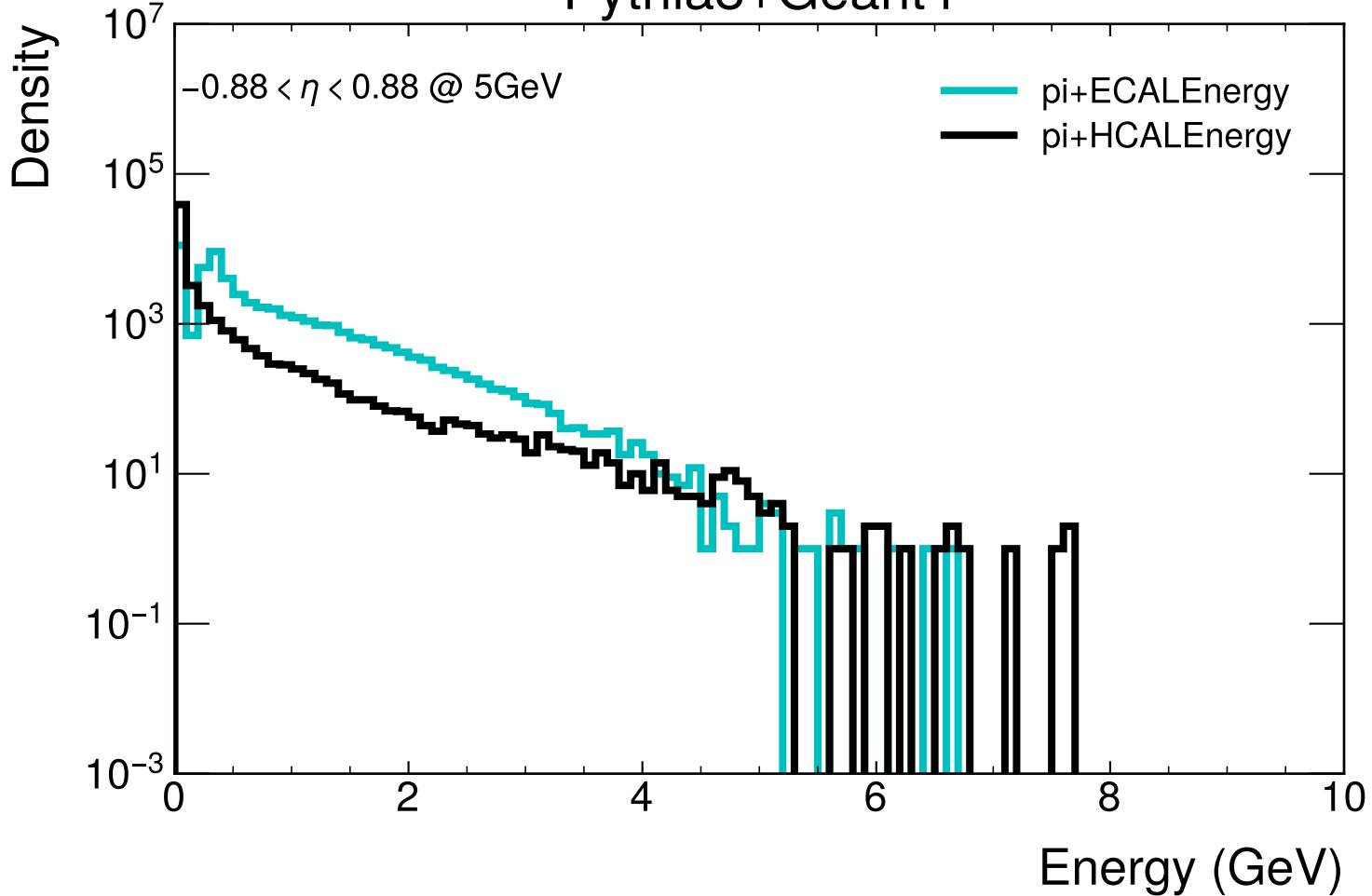
$\pi^+ @ 5\text{GeV}$ spanning $0.76 < \eta < 3.64$



$\pi^+@5\text{GeV}$ spanning $0.76 < \eta < 3.64$

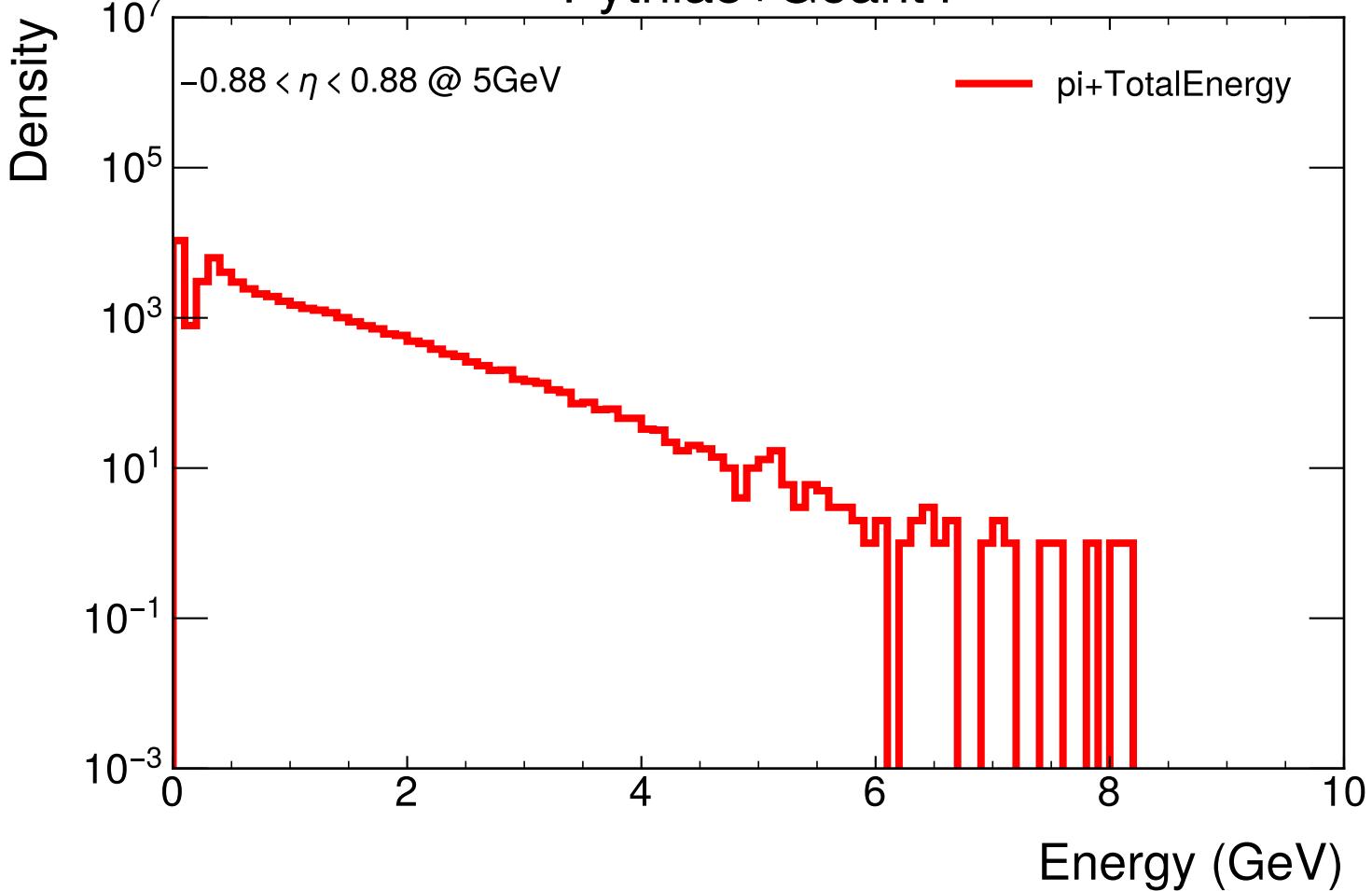


ATHENA simulation [DD4hep] Pythia8+Geant4

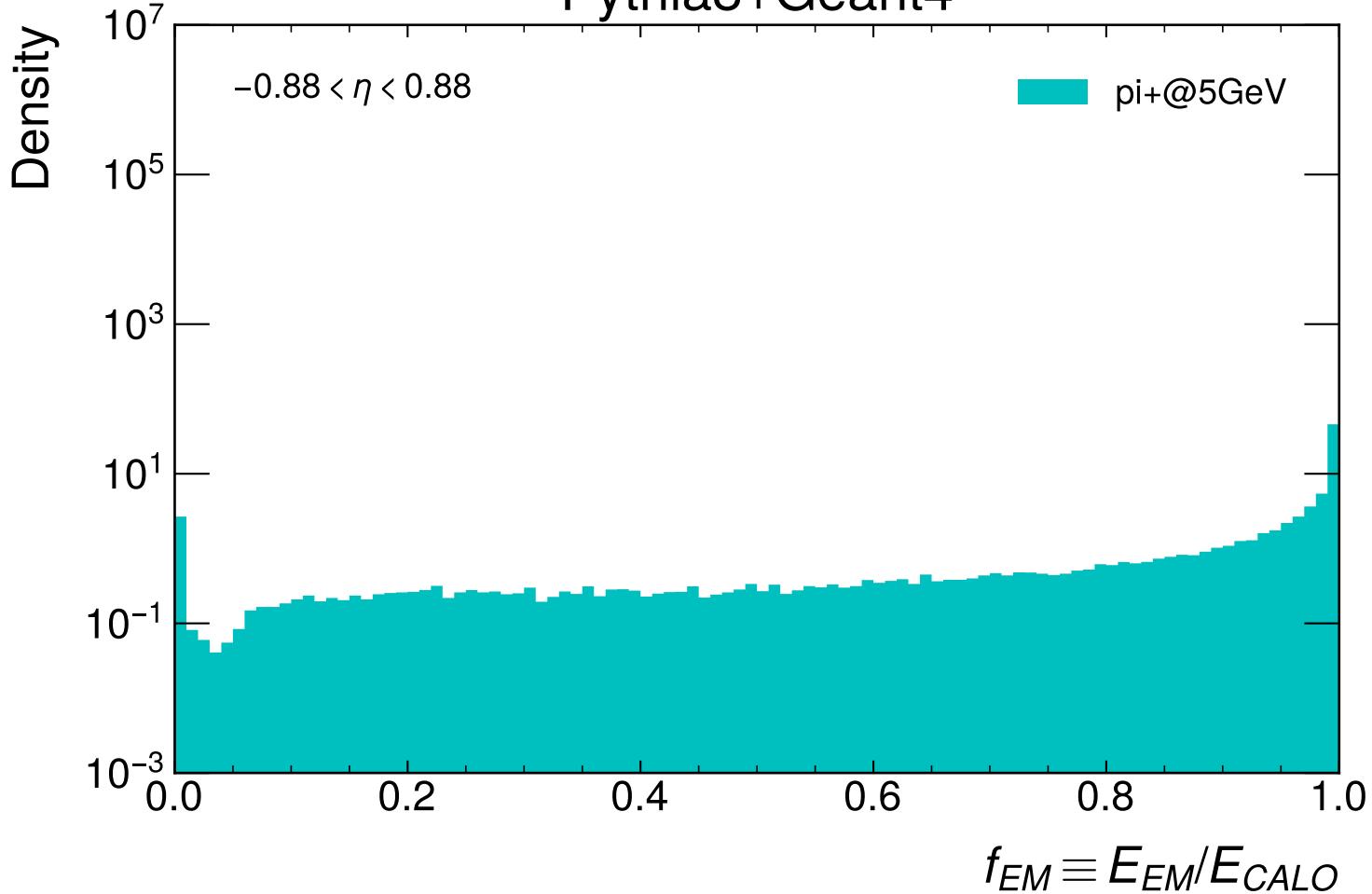


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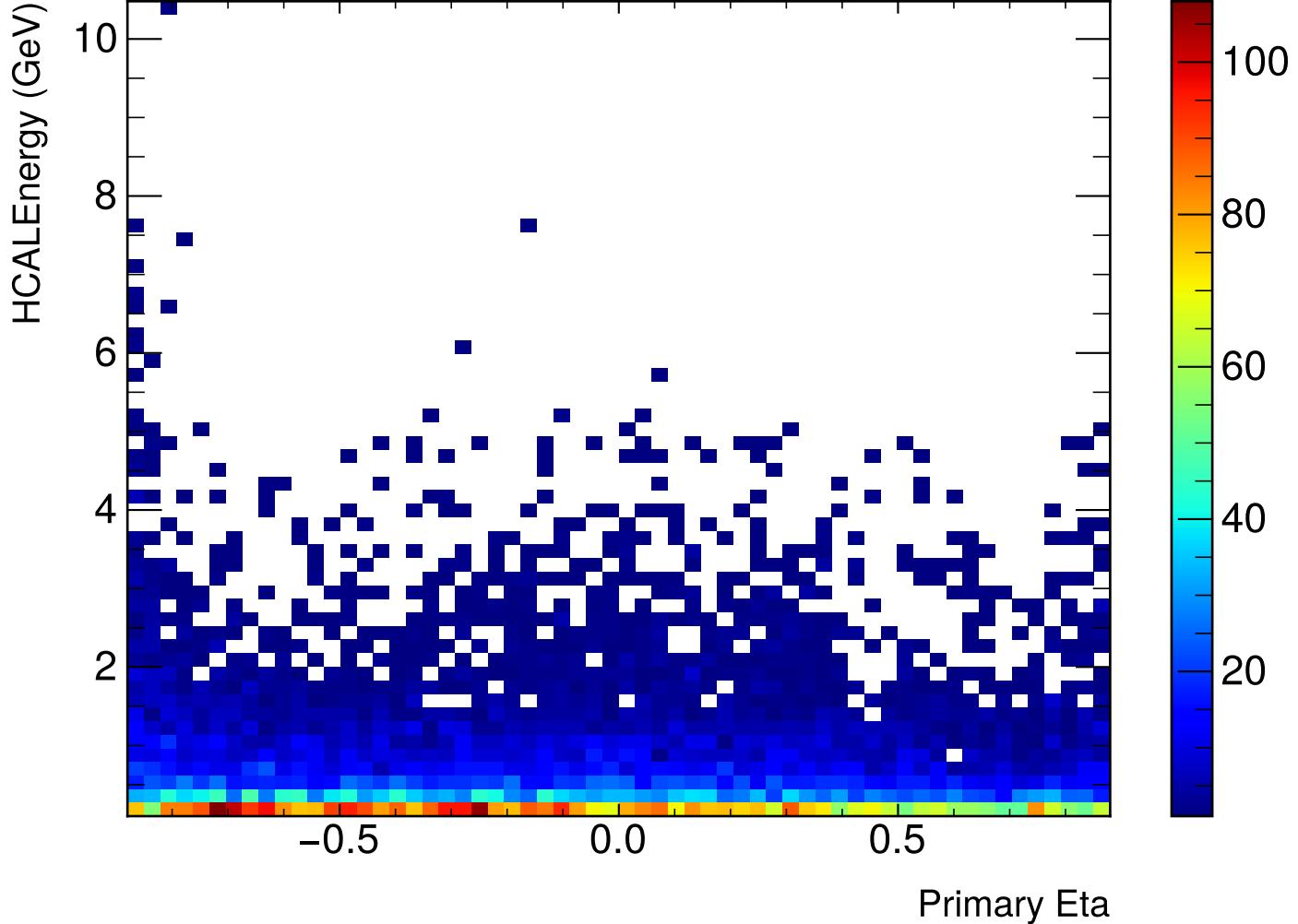
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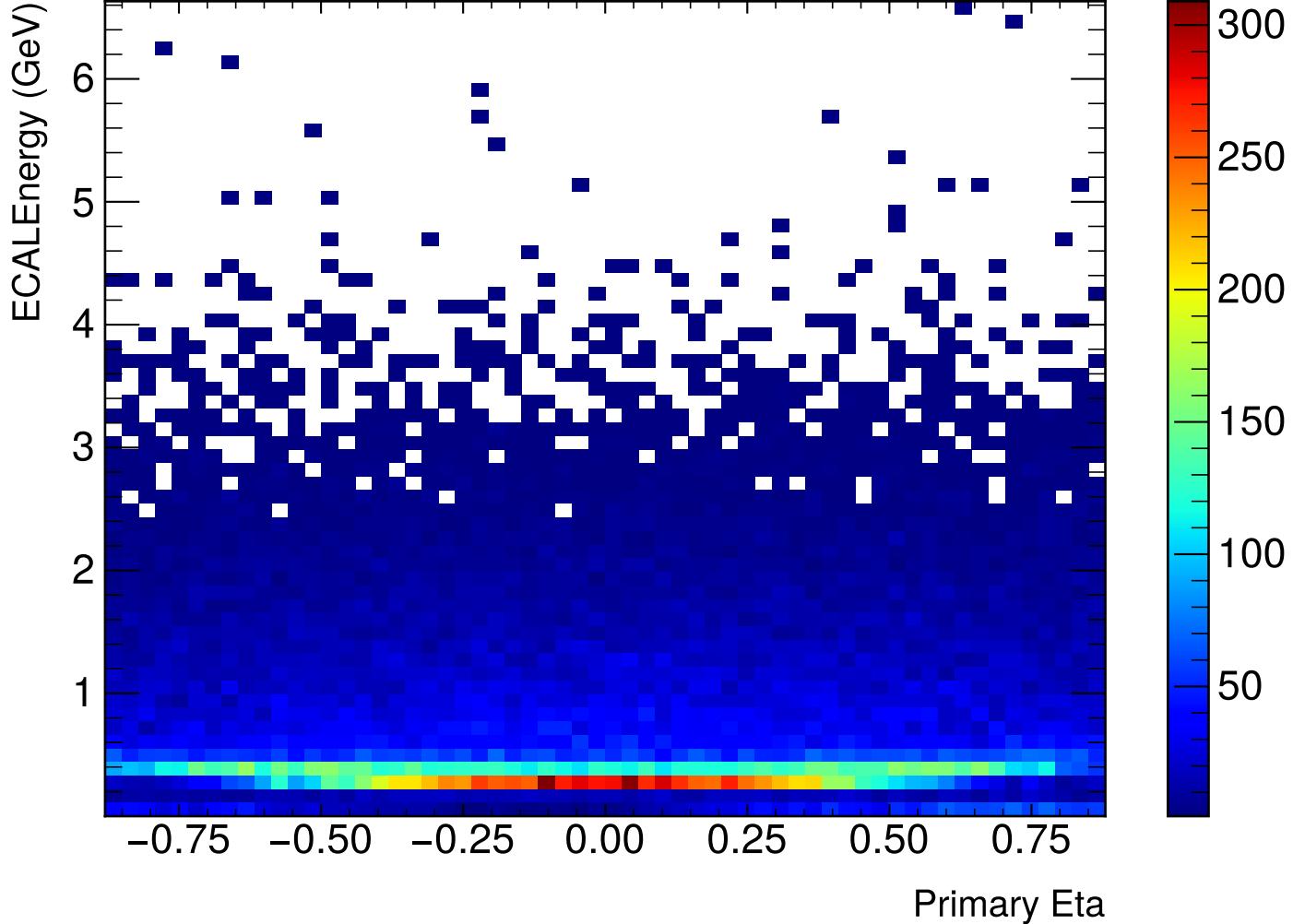
ATHENA simulation [DD4hep] Pythia8+Geant4



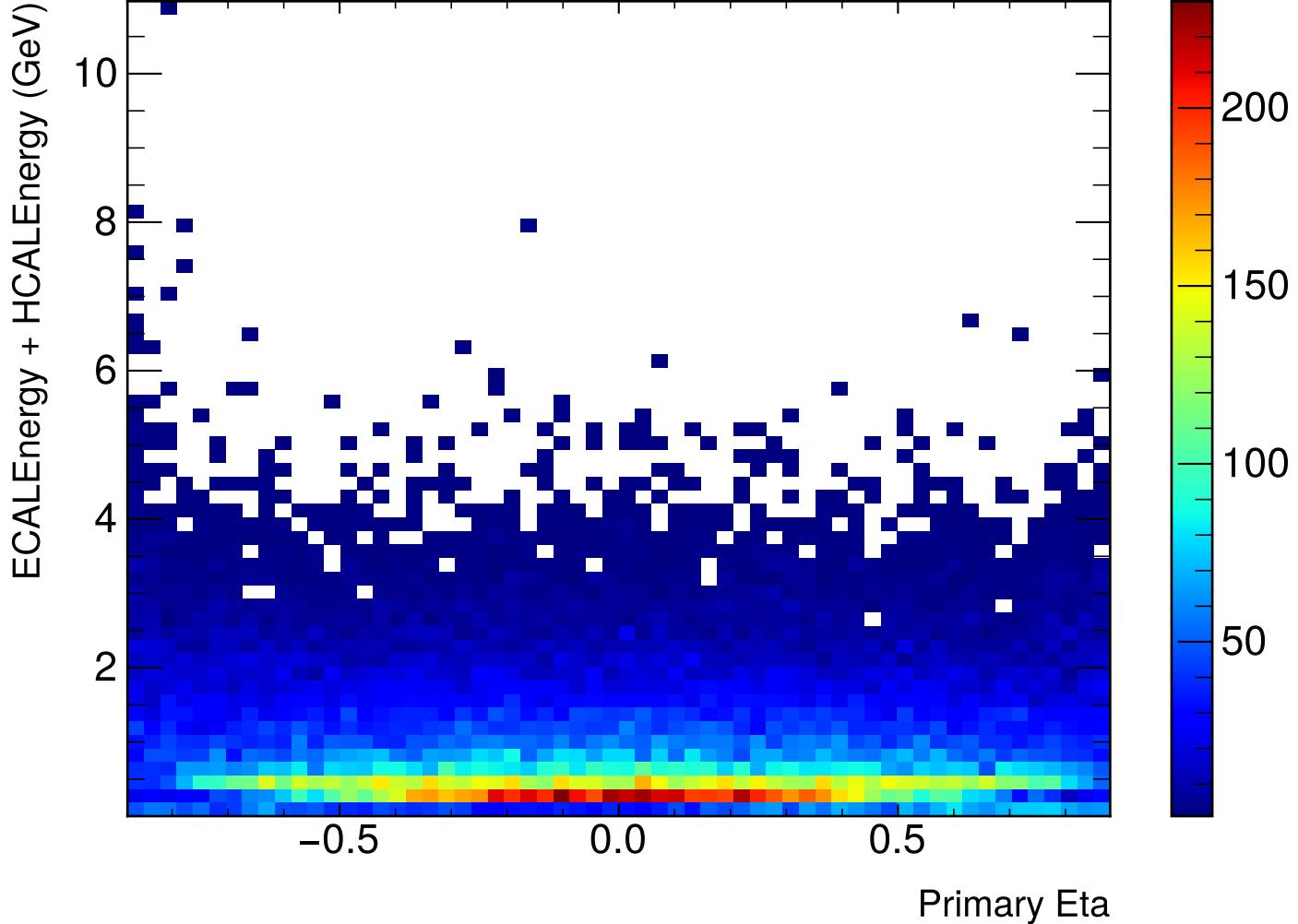
$\pi^+ @ 5\text{GeV}$ spanning $-0.88 < \eta < 0.88$



$\pi^+@5\text{GeV}$ spanning $-0.88 < \eta < 0.88$

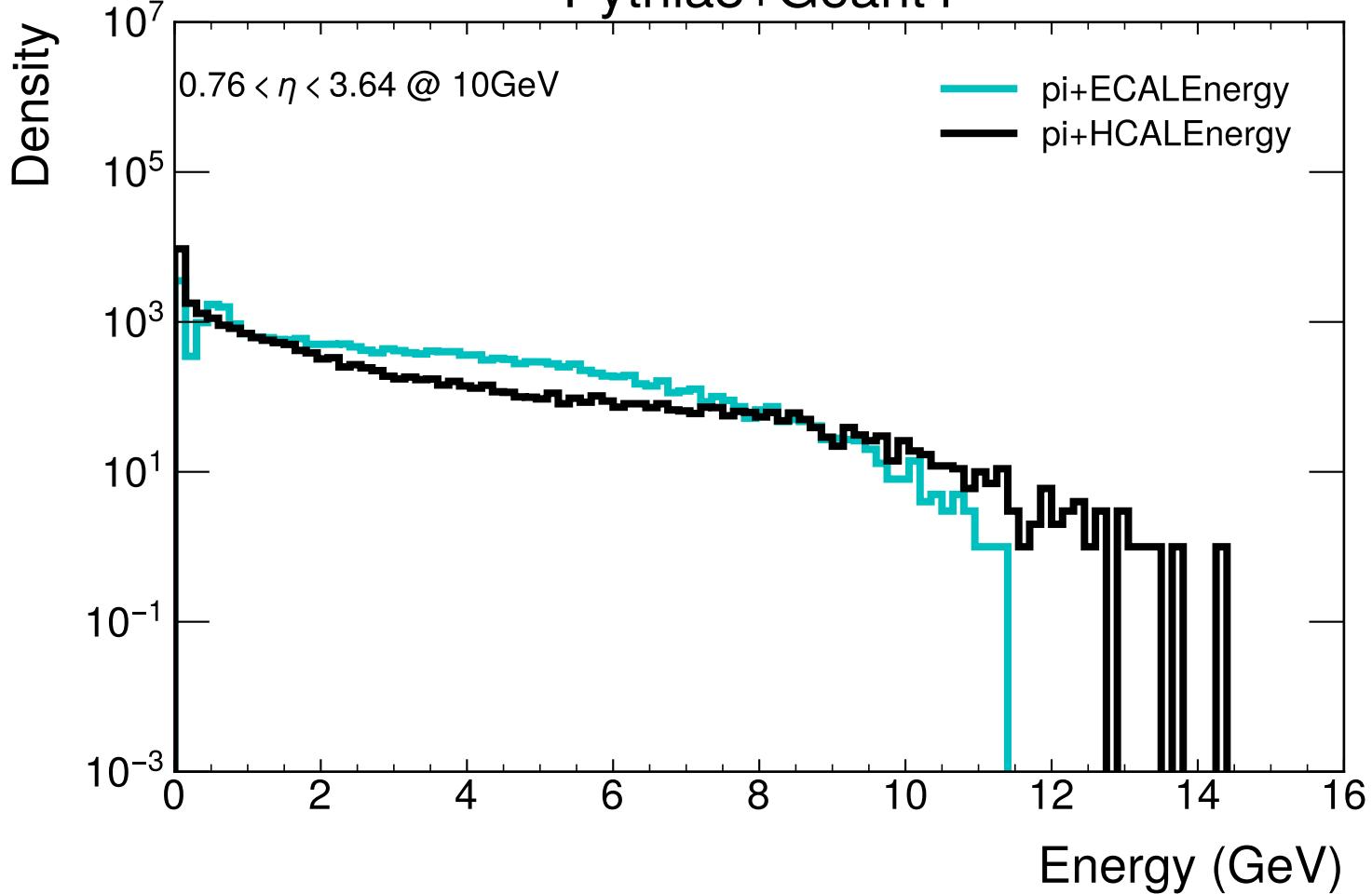


$\pi^+ @ 5\text{GeV}$ spanning $-0.88 < \eta < 0.88$



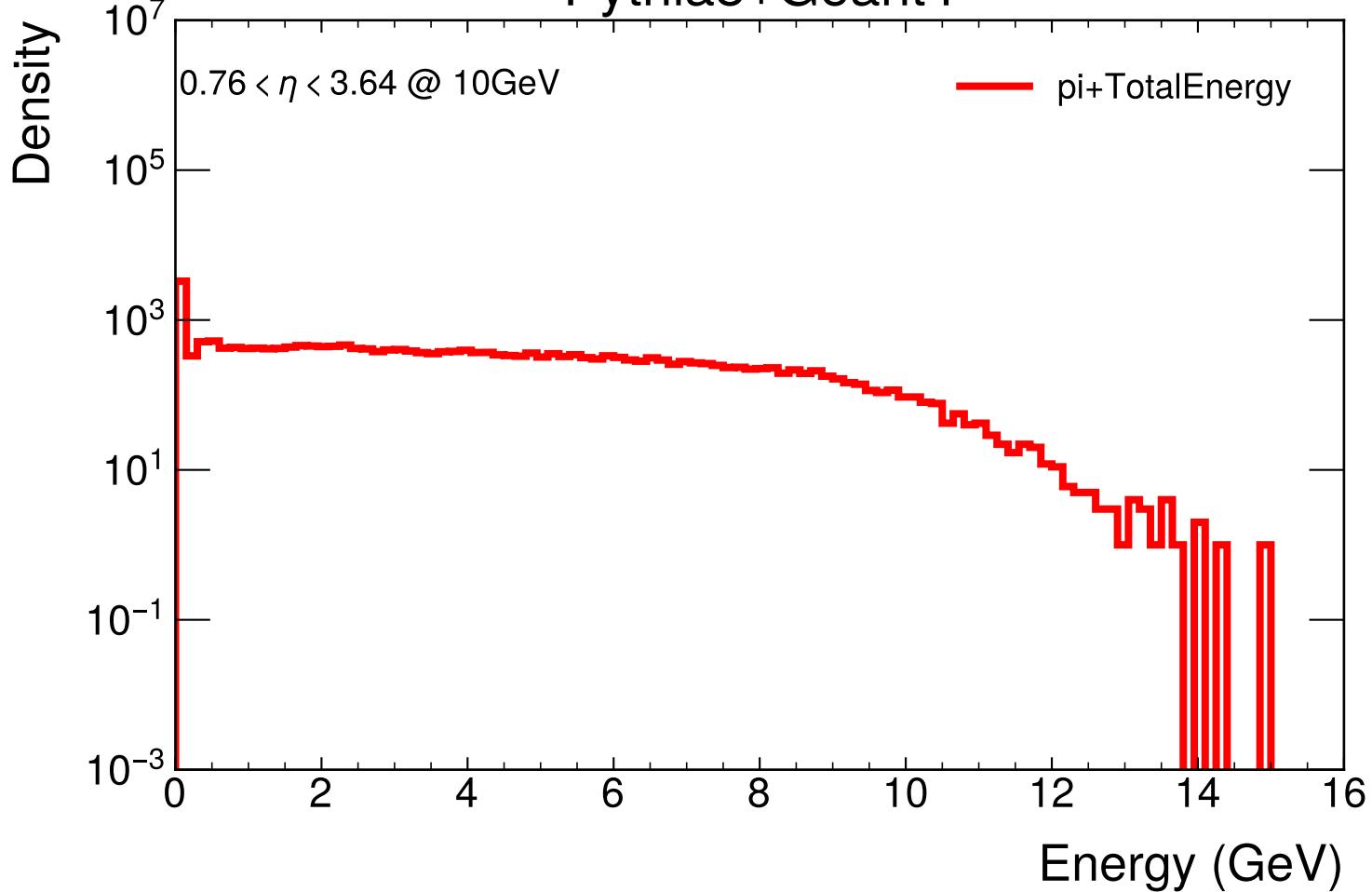
ATHENA simulation [DD4hep]

Pythia8+Geant4

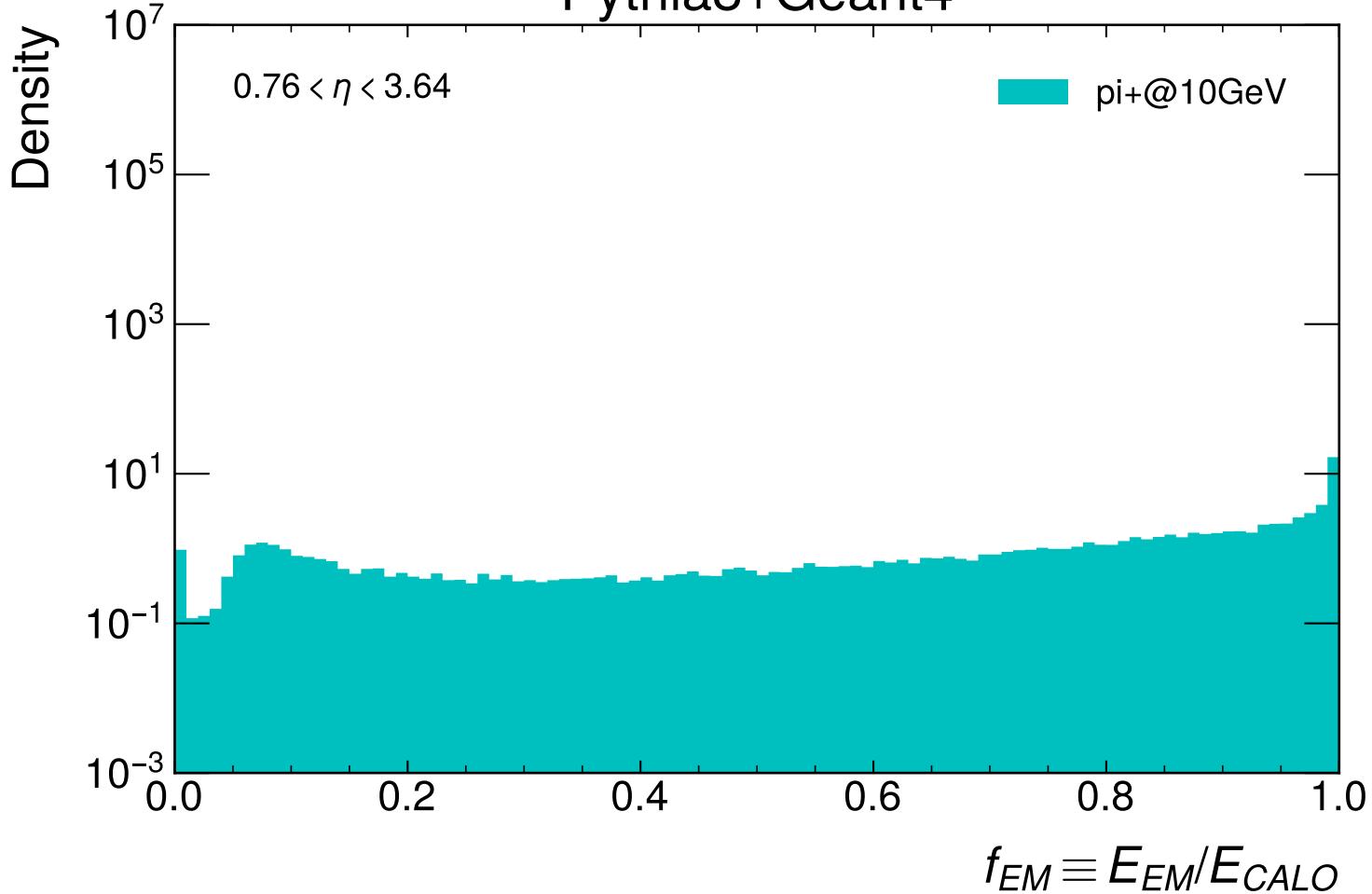


ATHENA simulation [DD4hep]

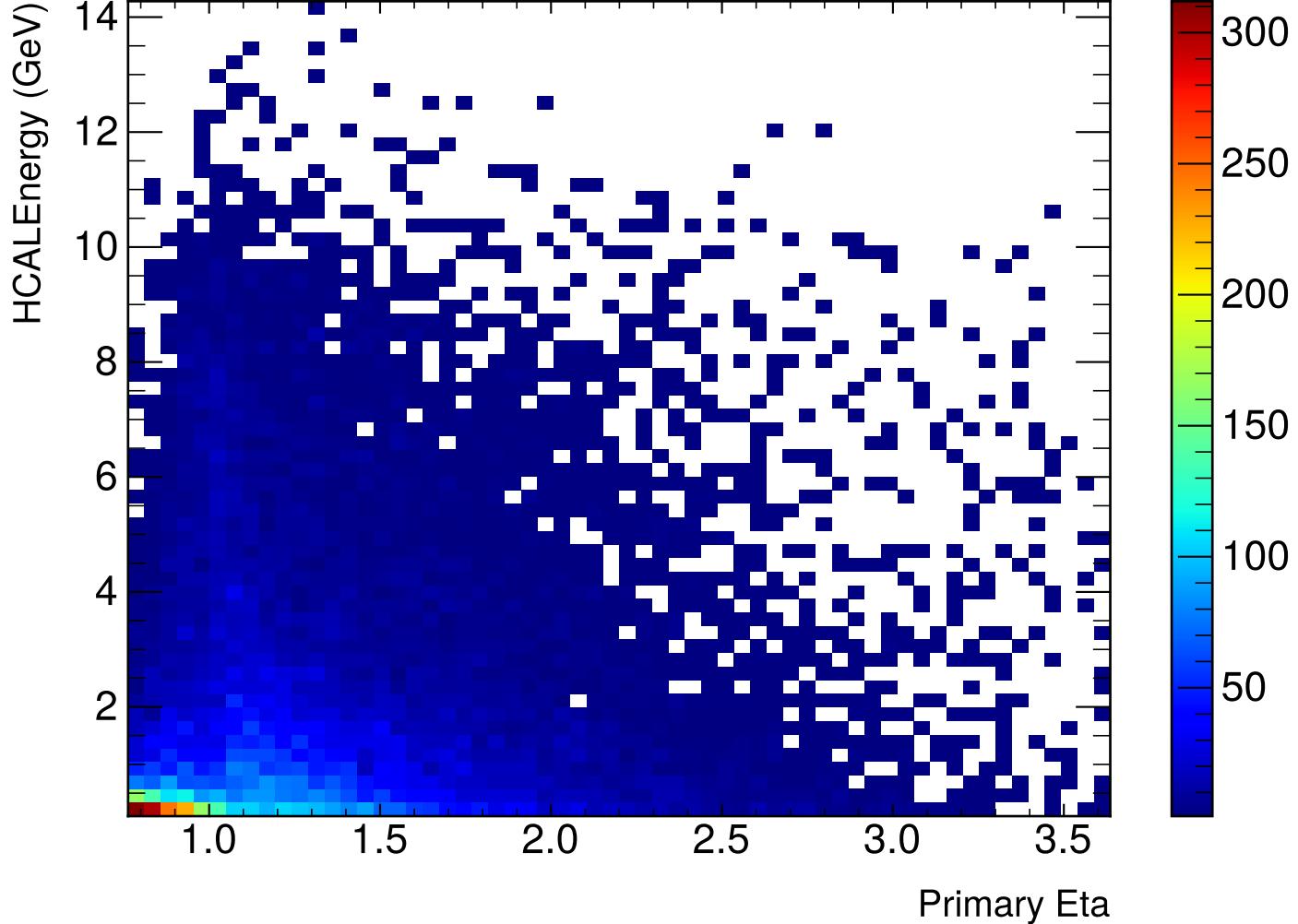
Pythia8+Geant4



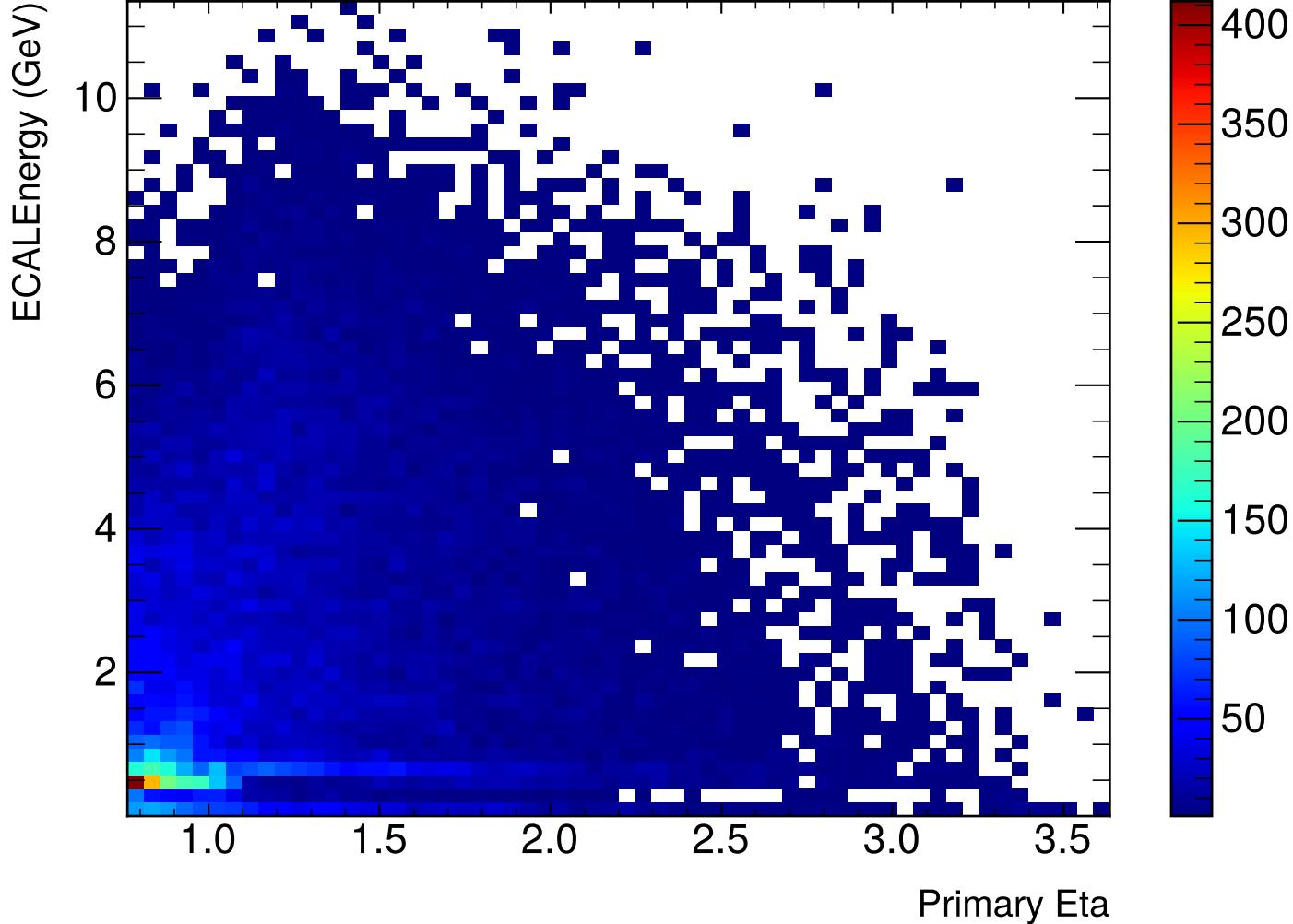
ATHENA simulation [DD4hep] Pythia8+Geant4



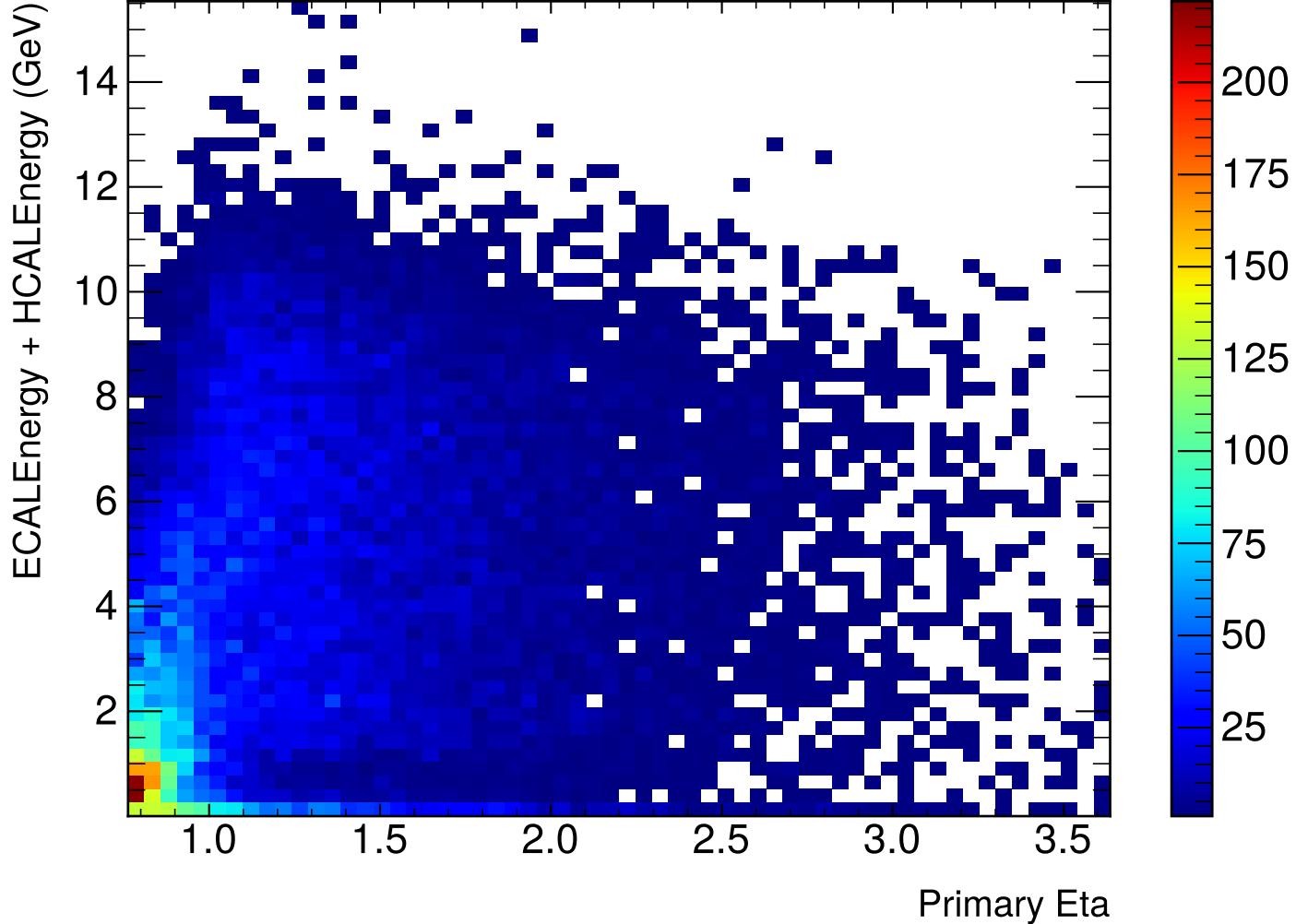
$\pi^+ @ 10\text{GeV}$ spanning $0.76 < \eta < 3.64$



$\pi^+ @ 10\text{GeV}$ spanning $0.76 < \eta < 3.64$

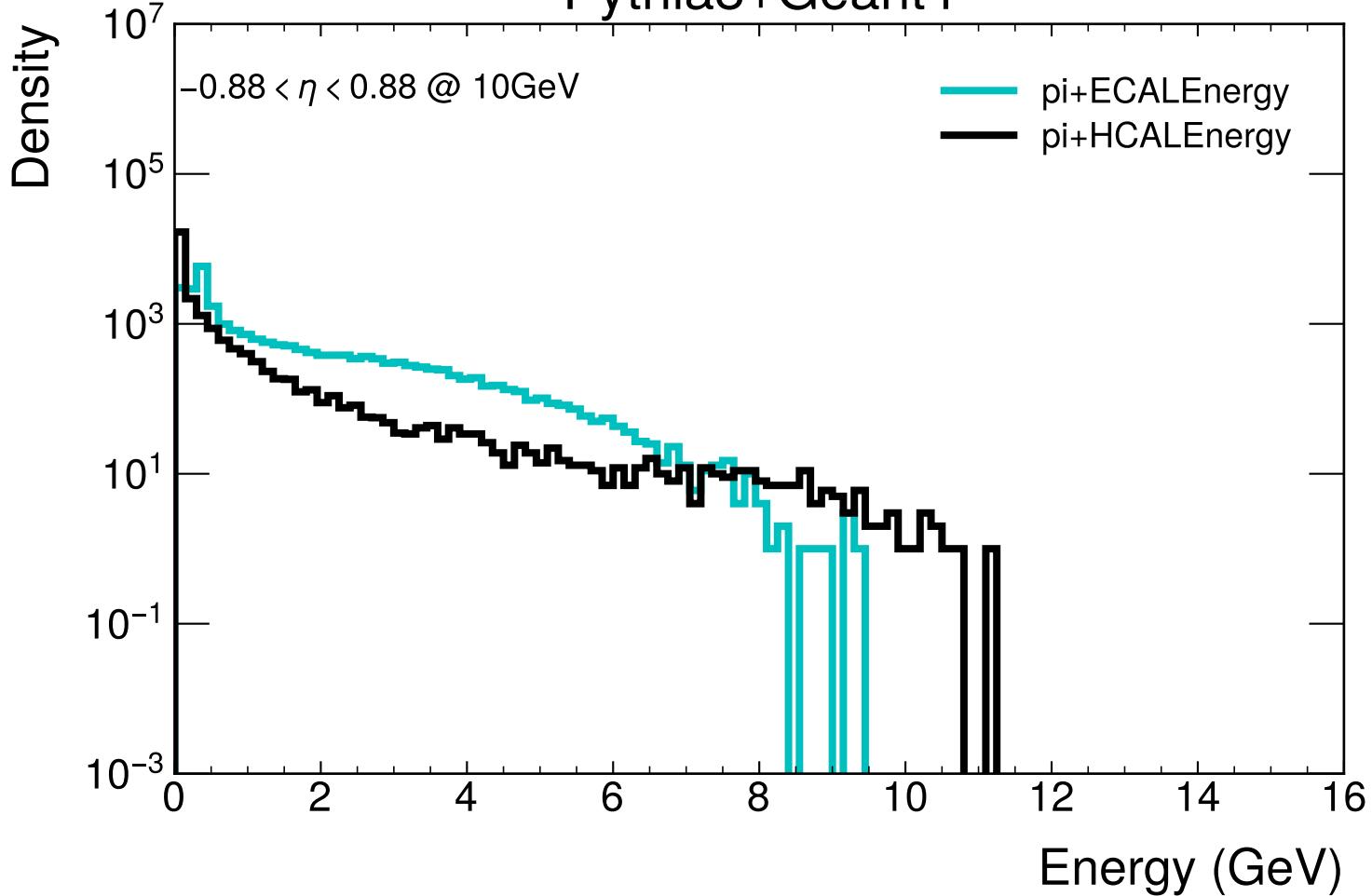


$\pi^+ @ 10\text{GeV}$ spanning $0.76 < \eta < 3.64$



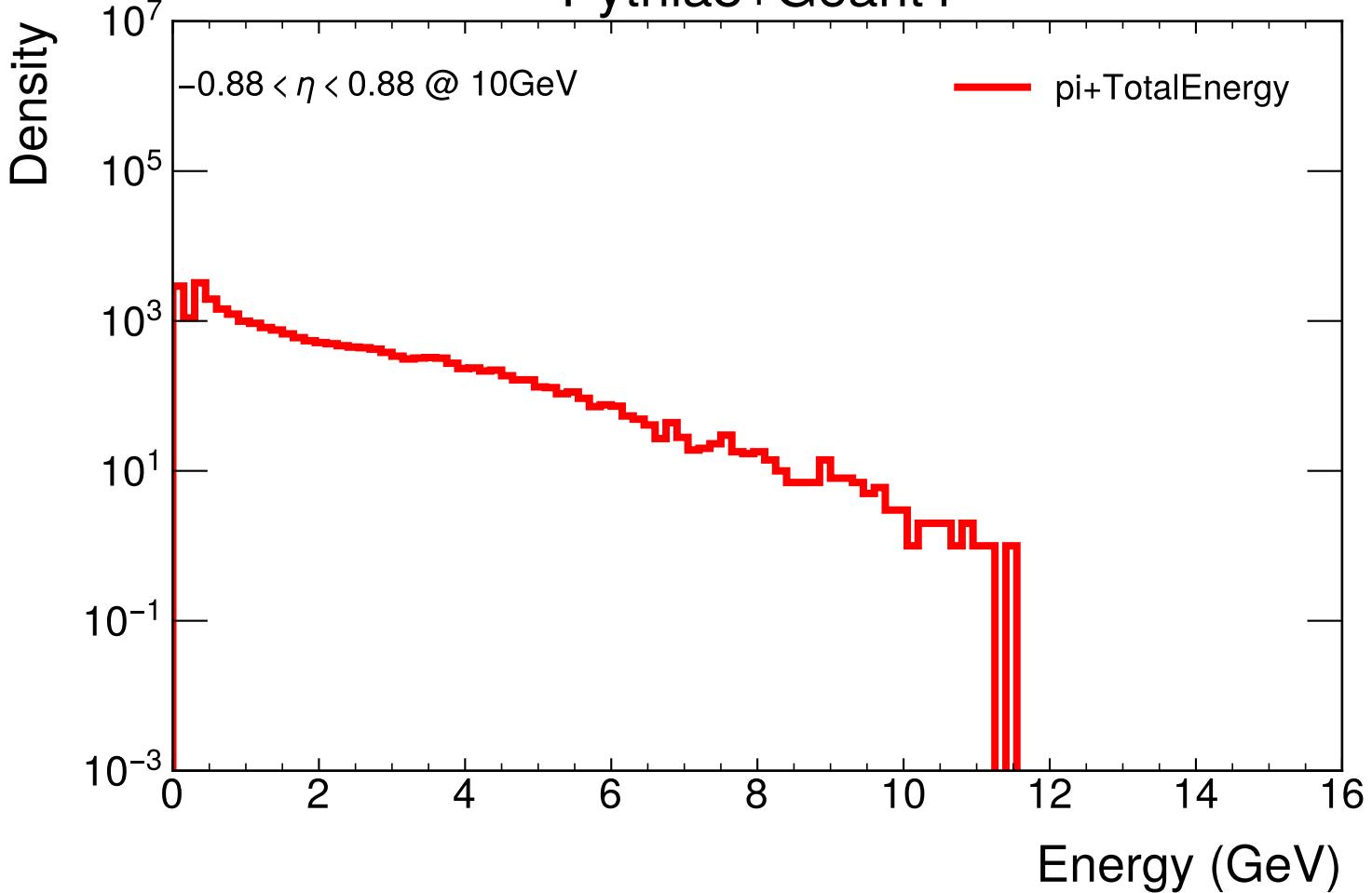
ATHENA simulation [DD4hep]

Pythia8+Geant4

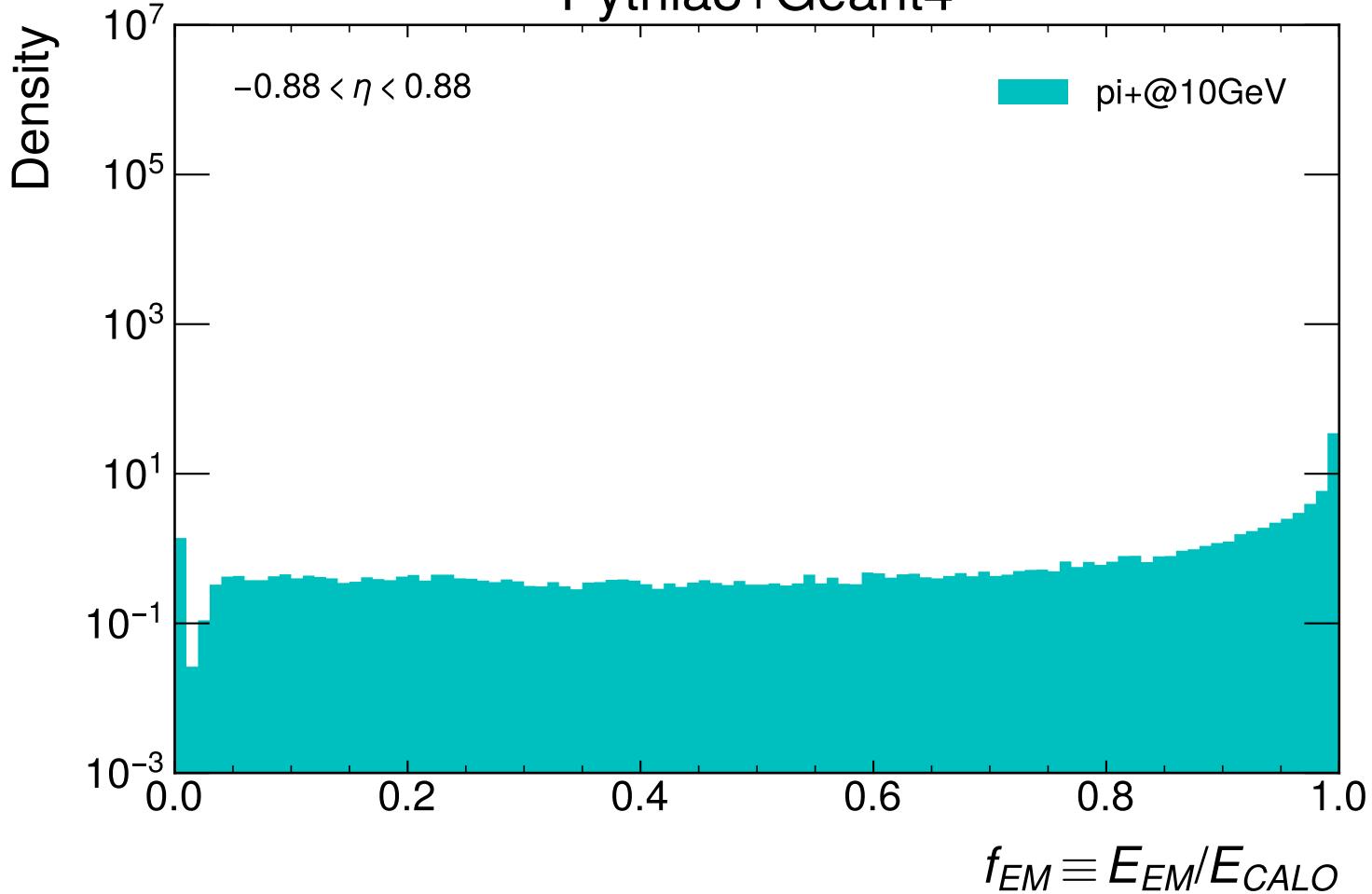


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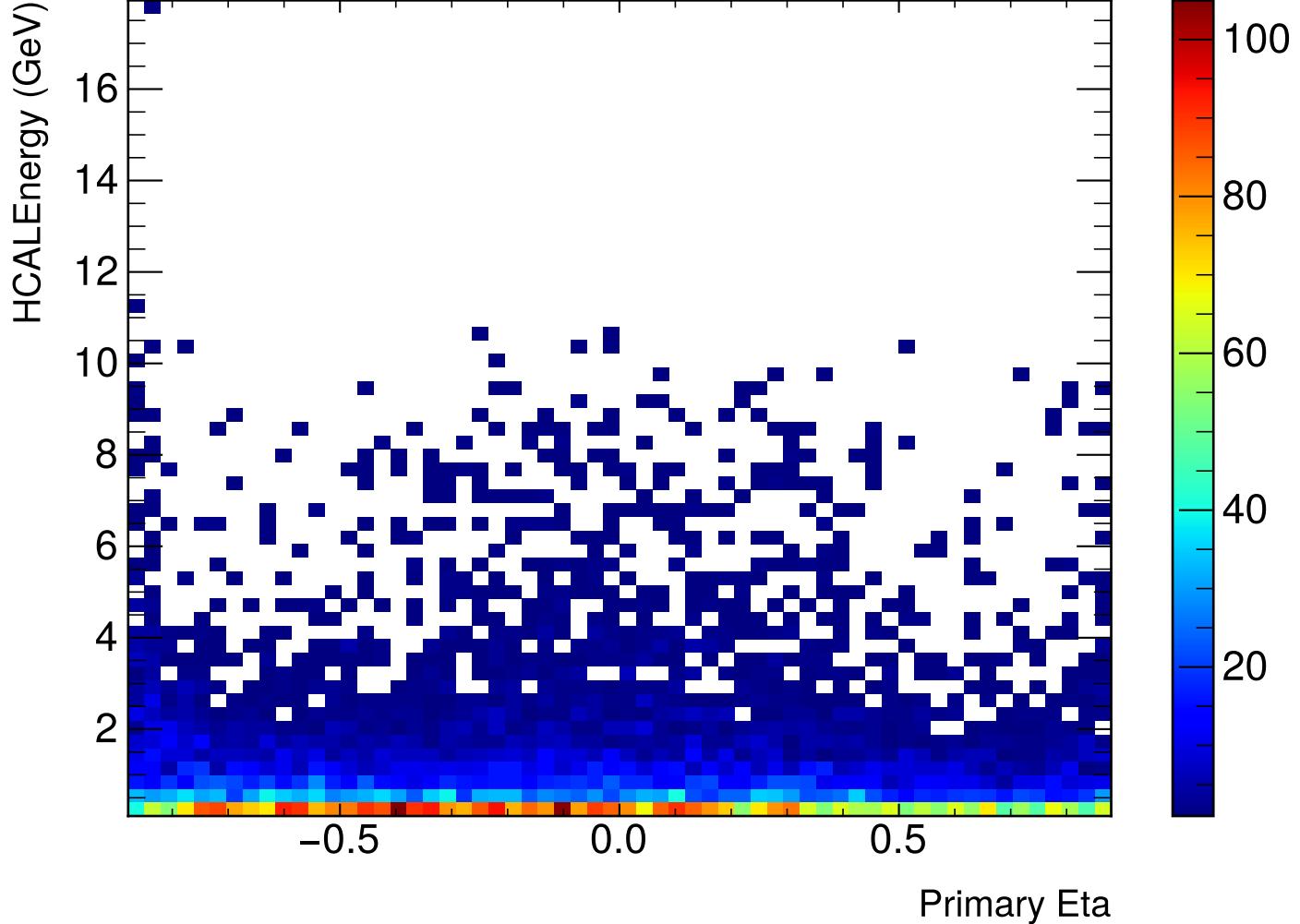
Pythia8+Geant4



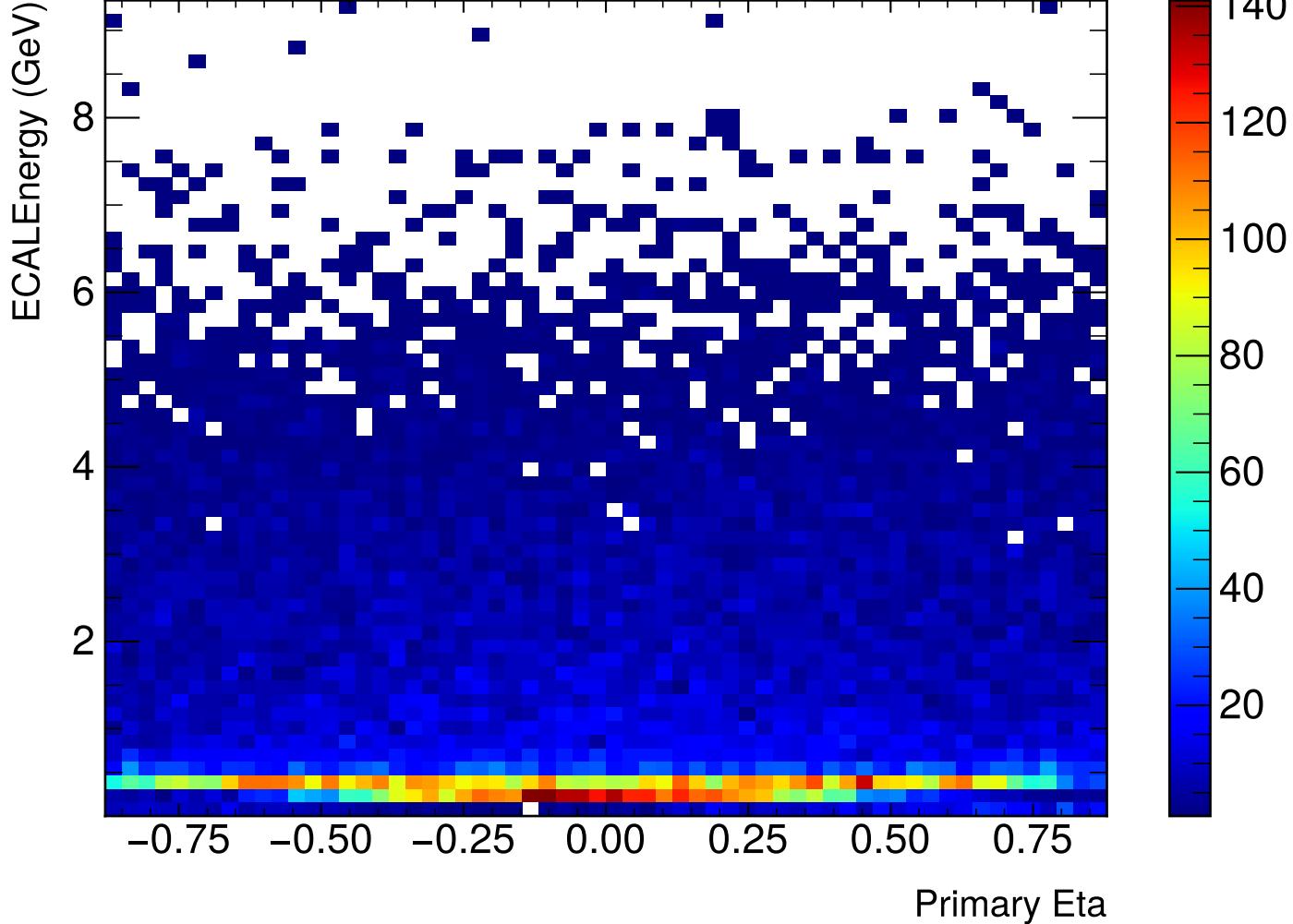
ATHENA simulation [DD4hep] Pythia8+Geant4



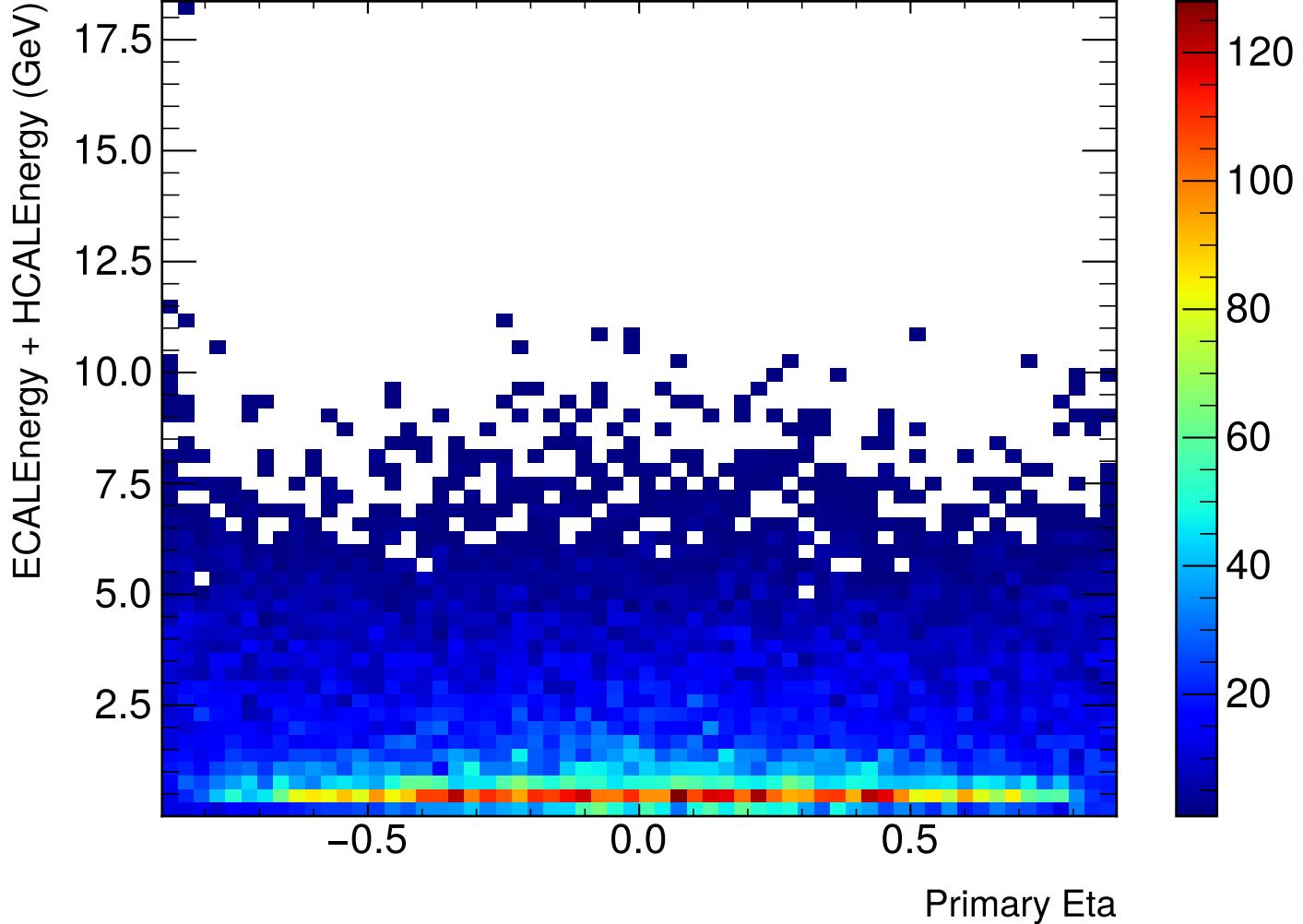
$\pi^+@10\text{GeV}$ spanning $-0.88 < \eta < 0.88$



$\pi^+ @ 10\text{GeV}$ spanning $-0.88 < \eta < 0.88$

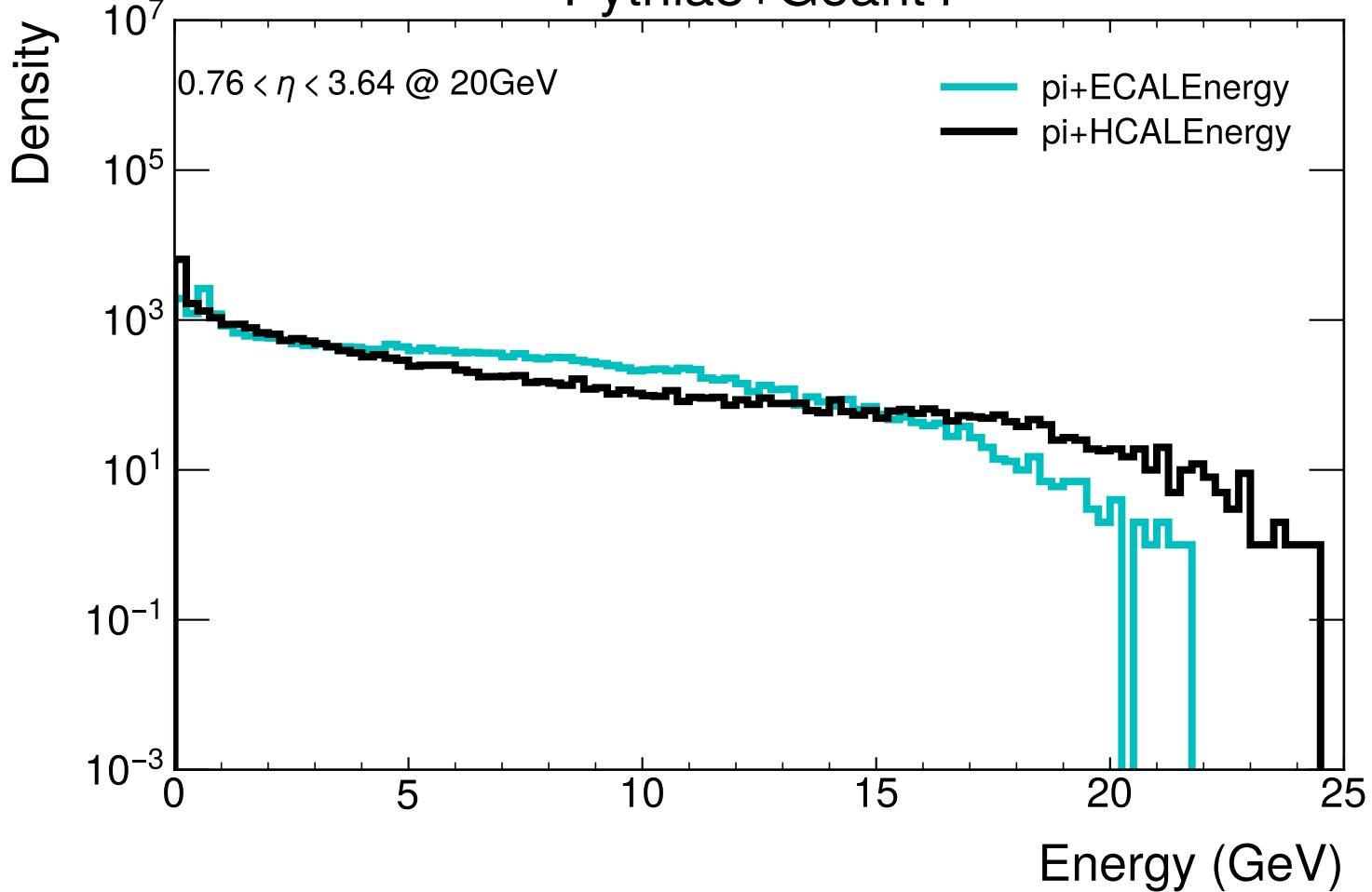


$\pi^+@10\text{GeV}$ spanning $-0.88 < \eta < 0.88$



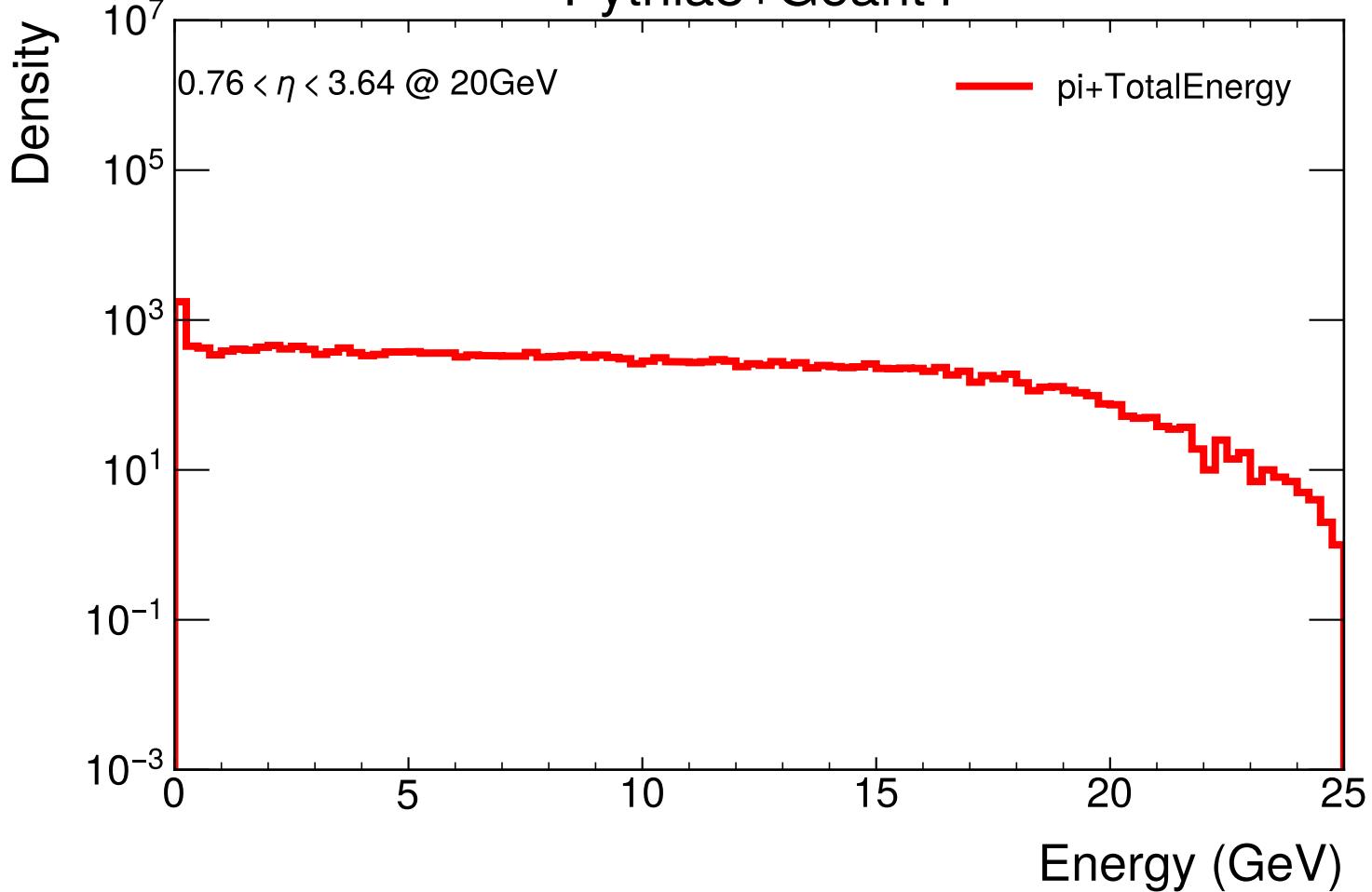
ATHENA simulation [DD4hep]

Pythia8+Geant4

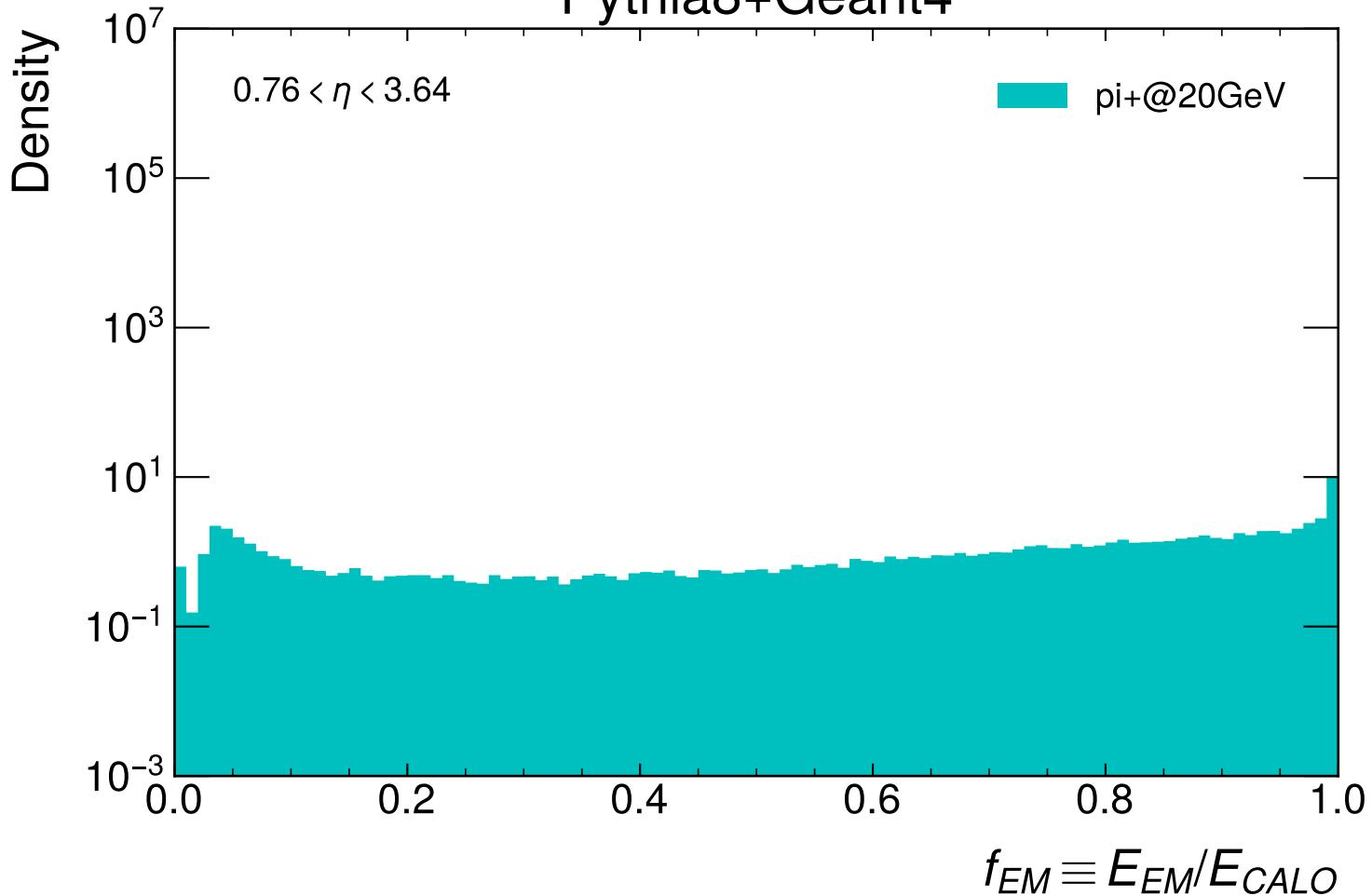


ATHENA simulation [DD4hep]

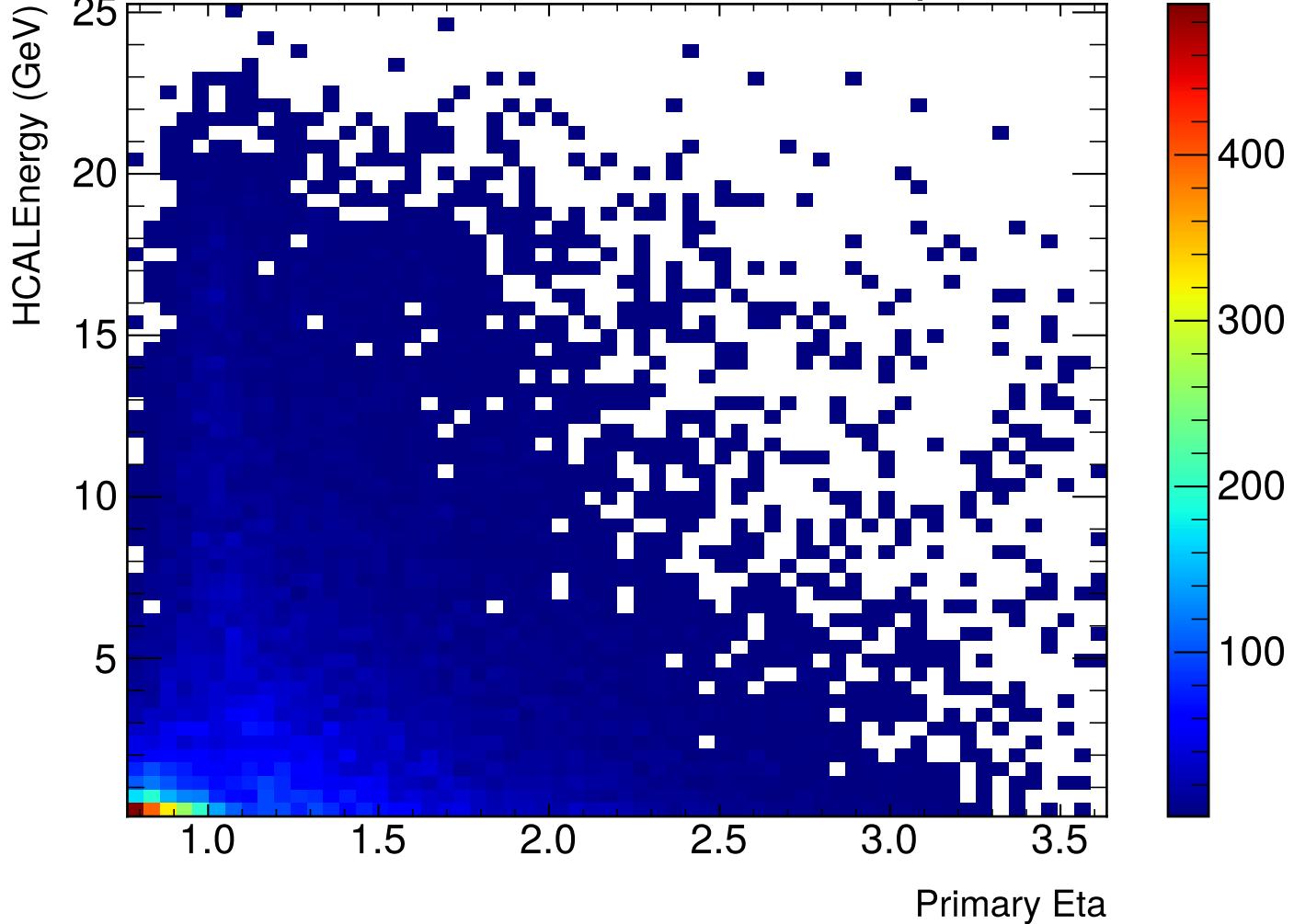
Pythia8+Geant4



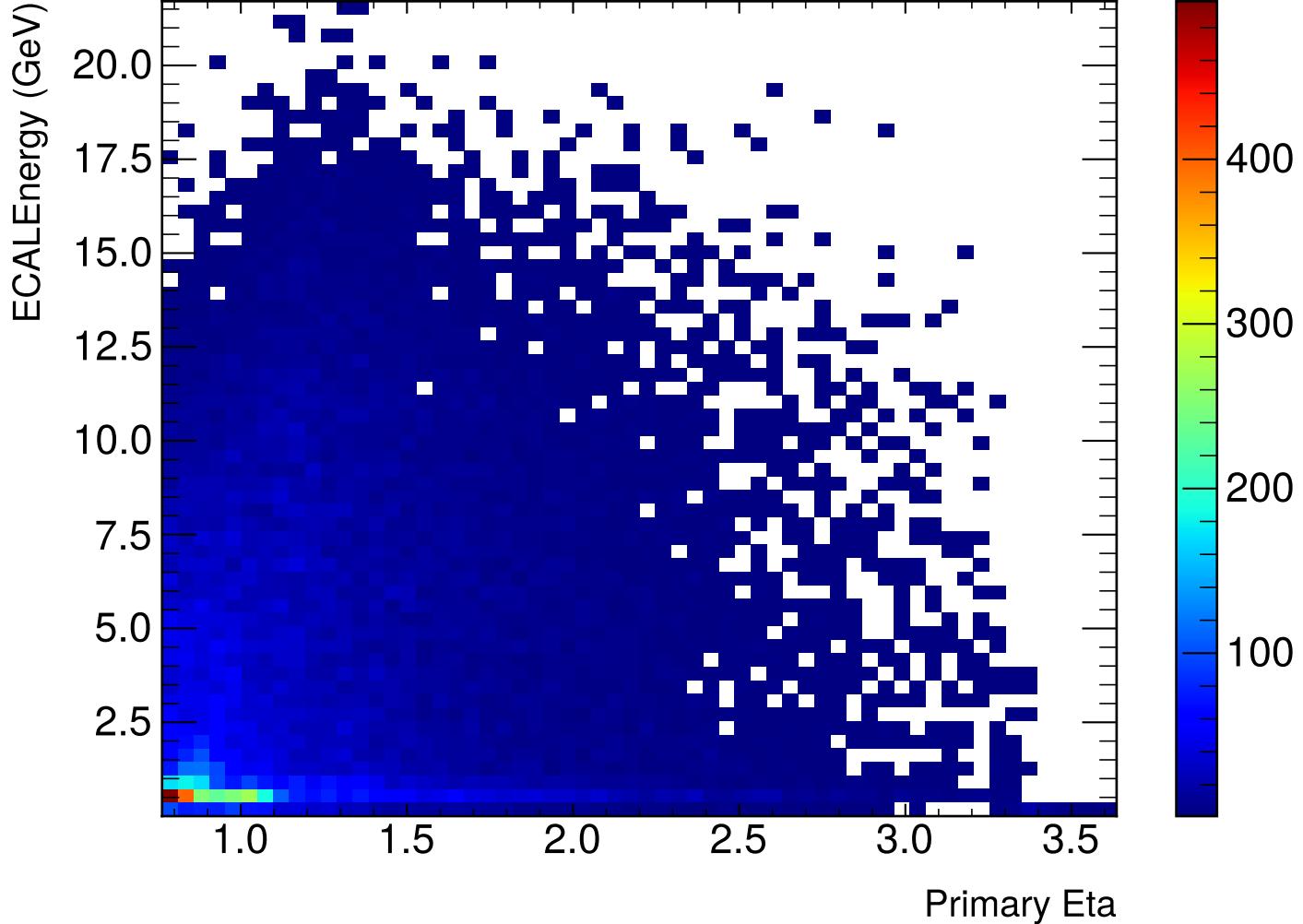
ATHENA simulation [DD4hep] Pythia8+Geant4



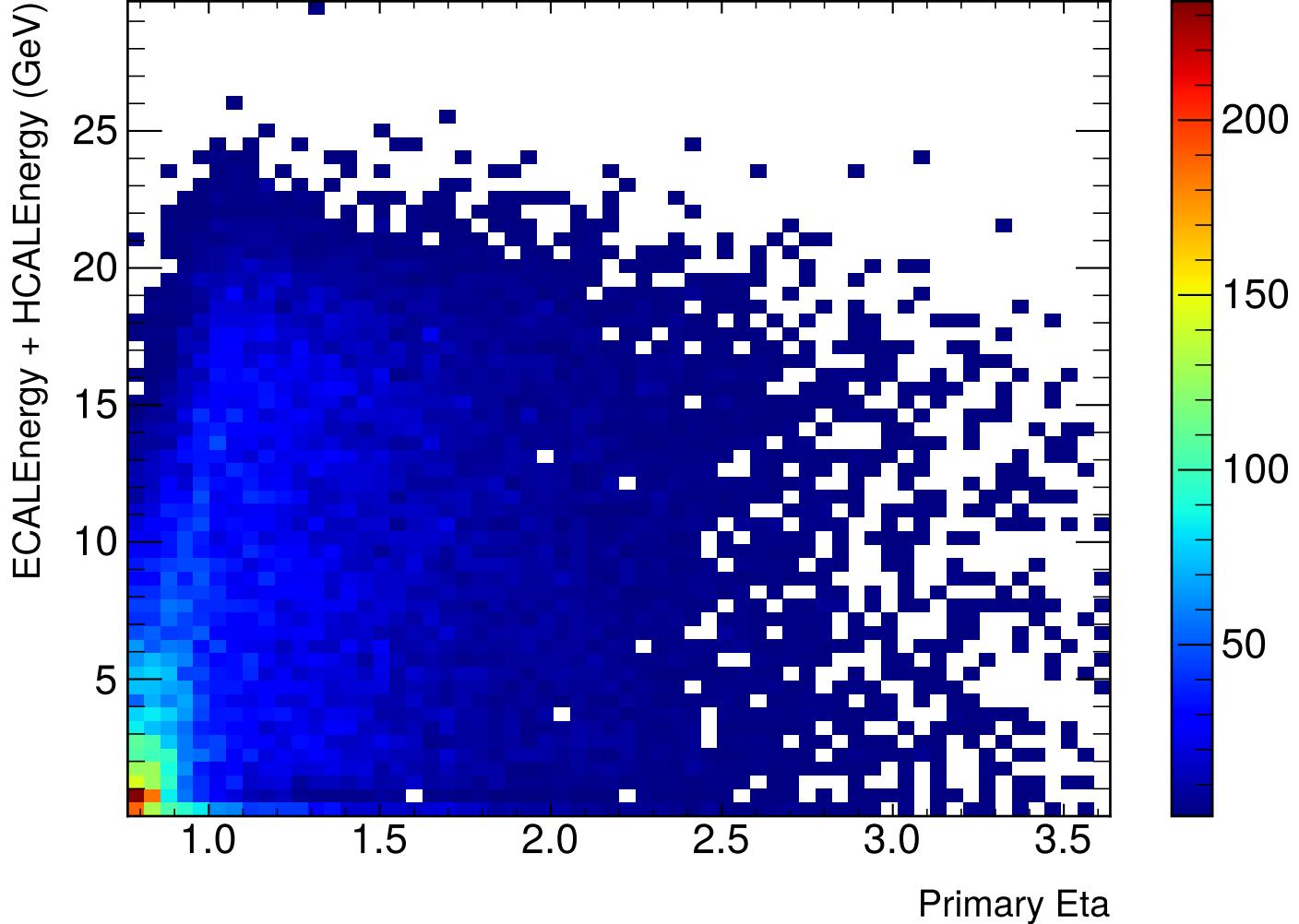
$\pi^+ @ 20\text{GeV}$ spanning $0.76 < \eta < 3.64$



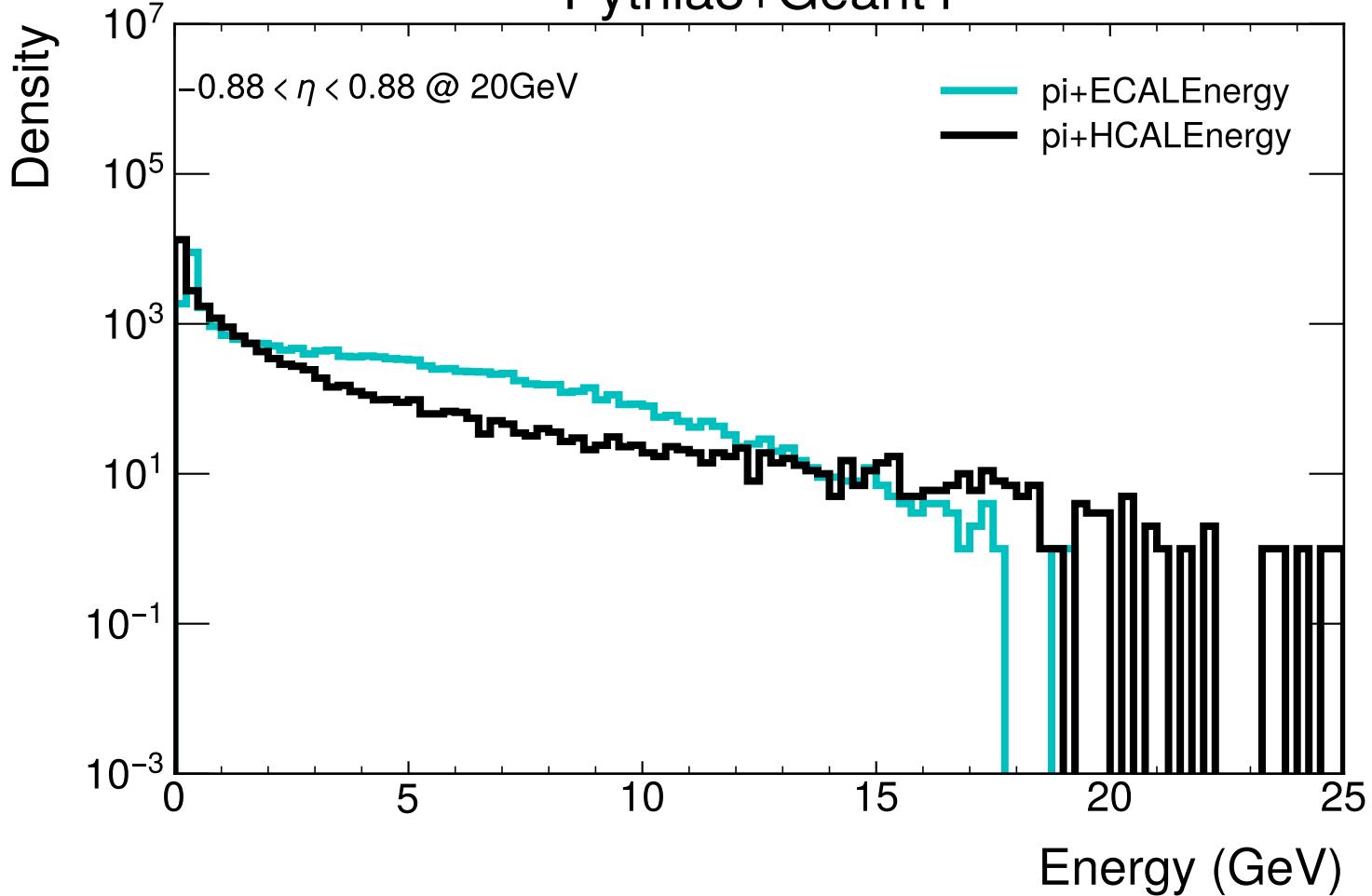
$\pi^+@20\text{GeV}$ spanning $0.76 < \eta < 3.64$



$\pi^+ @ 20\text{GeV}$ spanning $0.76 < \eta < 3.64$

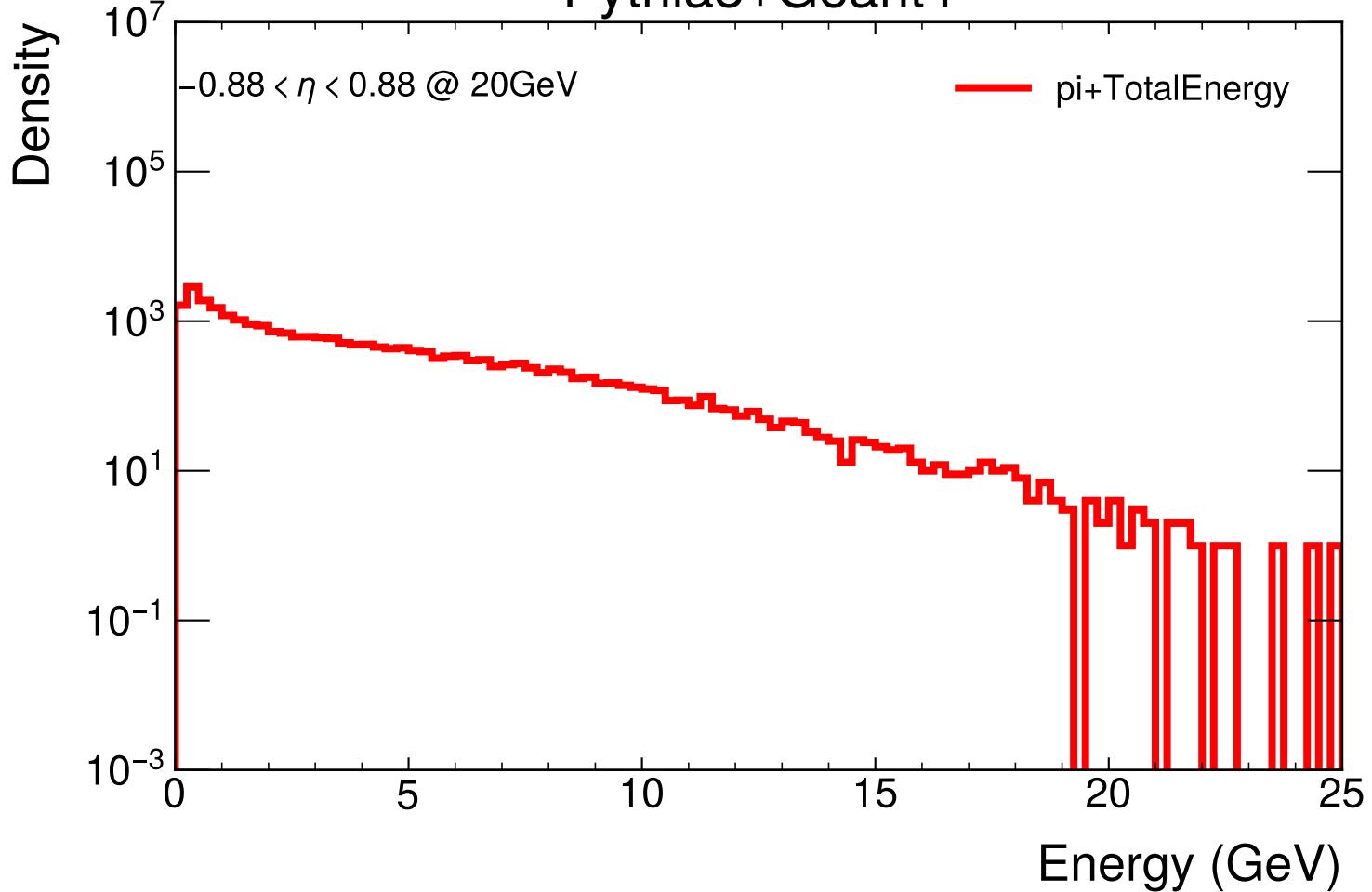


ATHENA simulation [DD4hep] Pythia8+Geant4

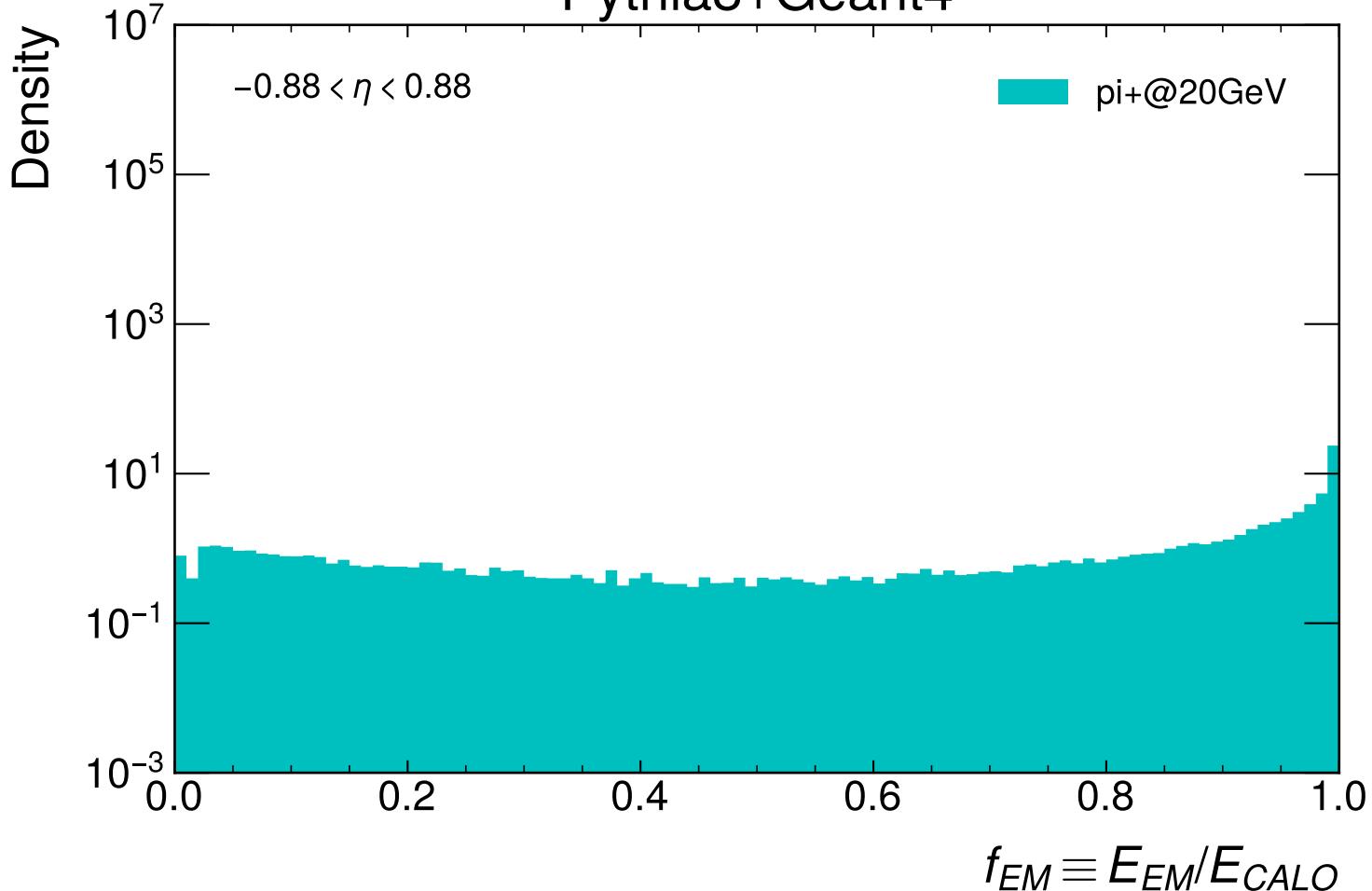


ATHENA simulation [DD4hep]

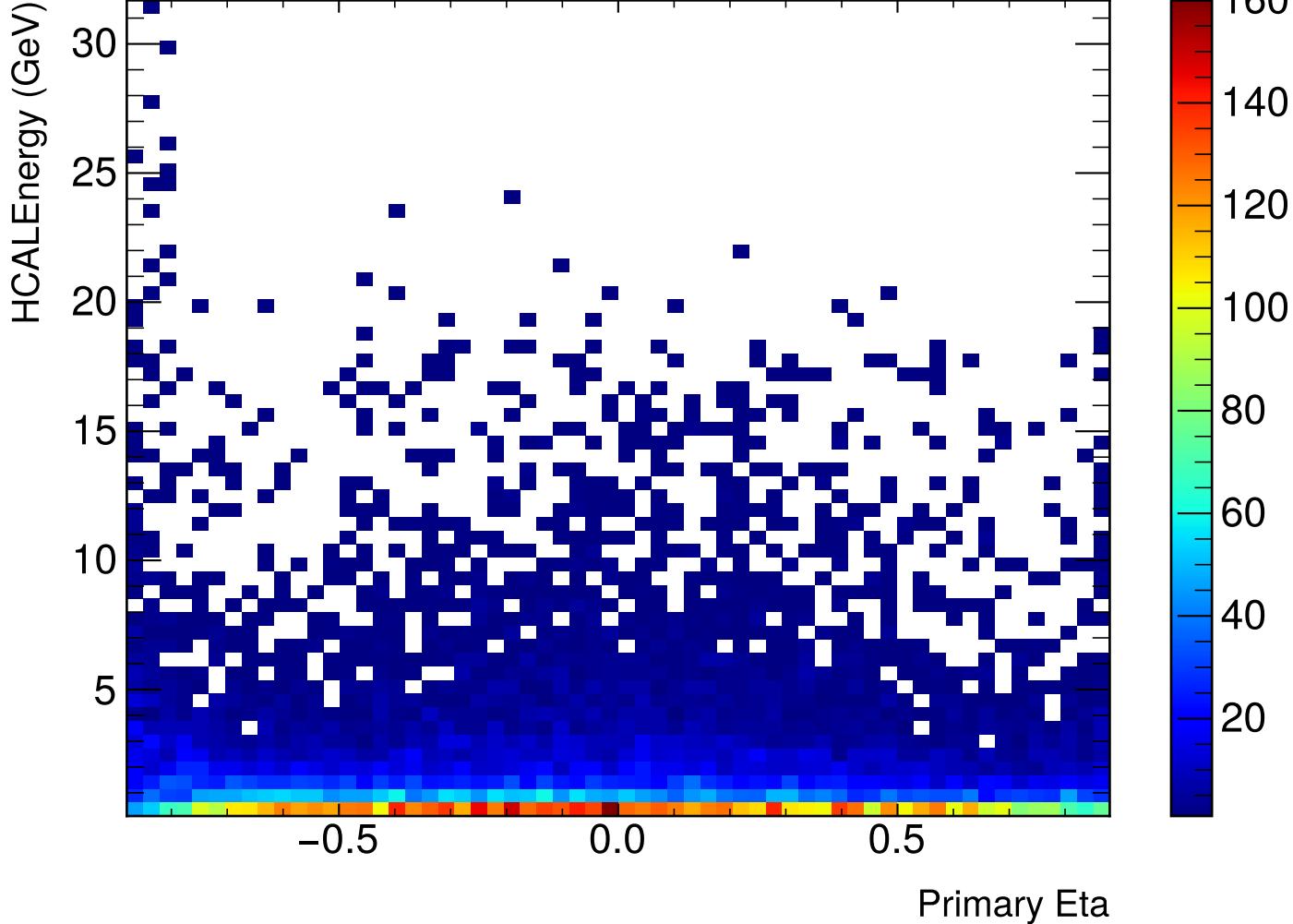
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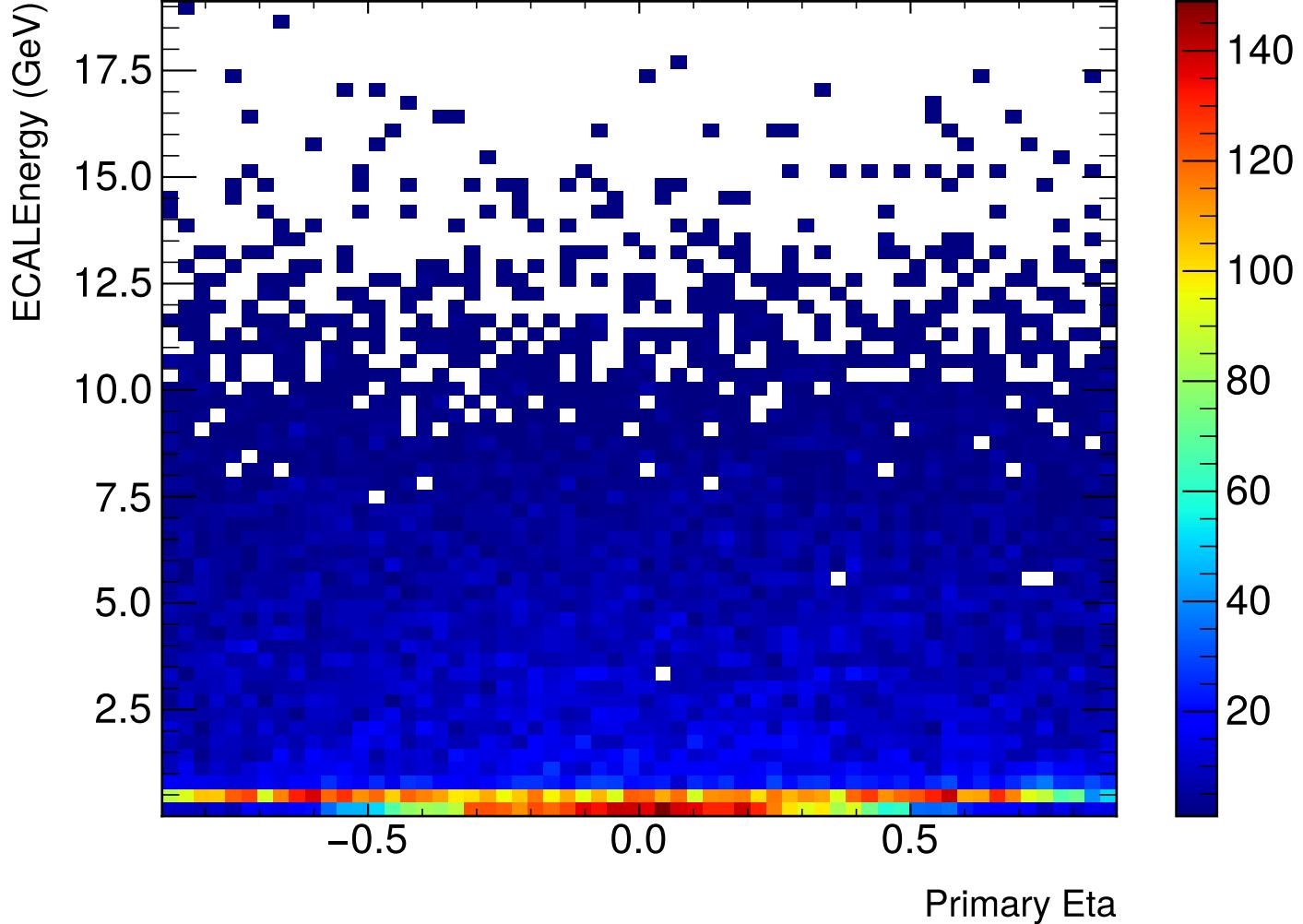
ATHENA simulation [DD4hep] Pythia8+Geant4



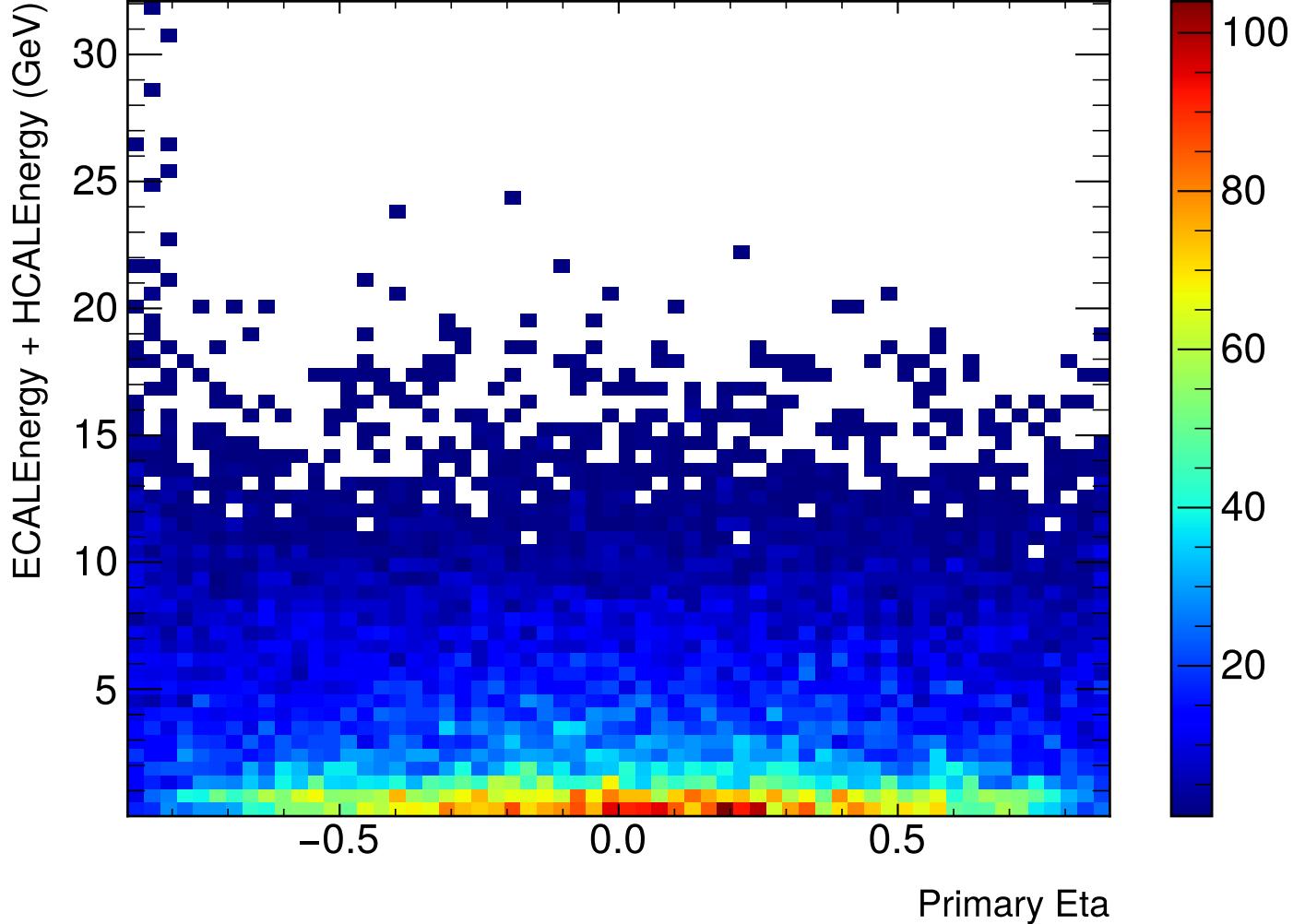
$\pi^+ @ 20\text{GeV}$ spanning $-0.88 < \eta < 0.88$



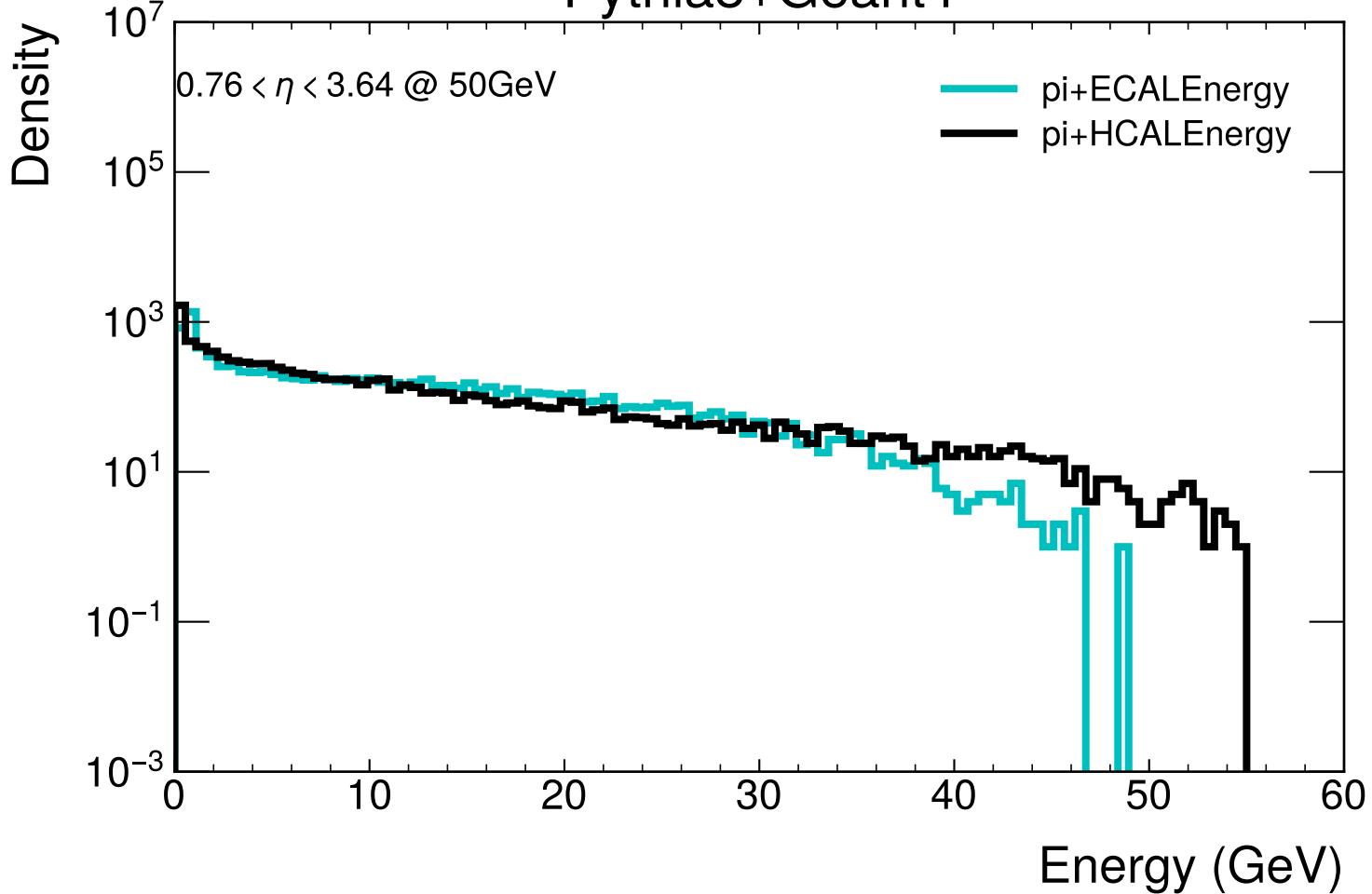
$\pi^+ @ 20\text{GeV}$ spanning $-0.88 < \eta < 0.88$



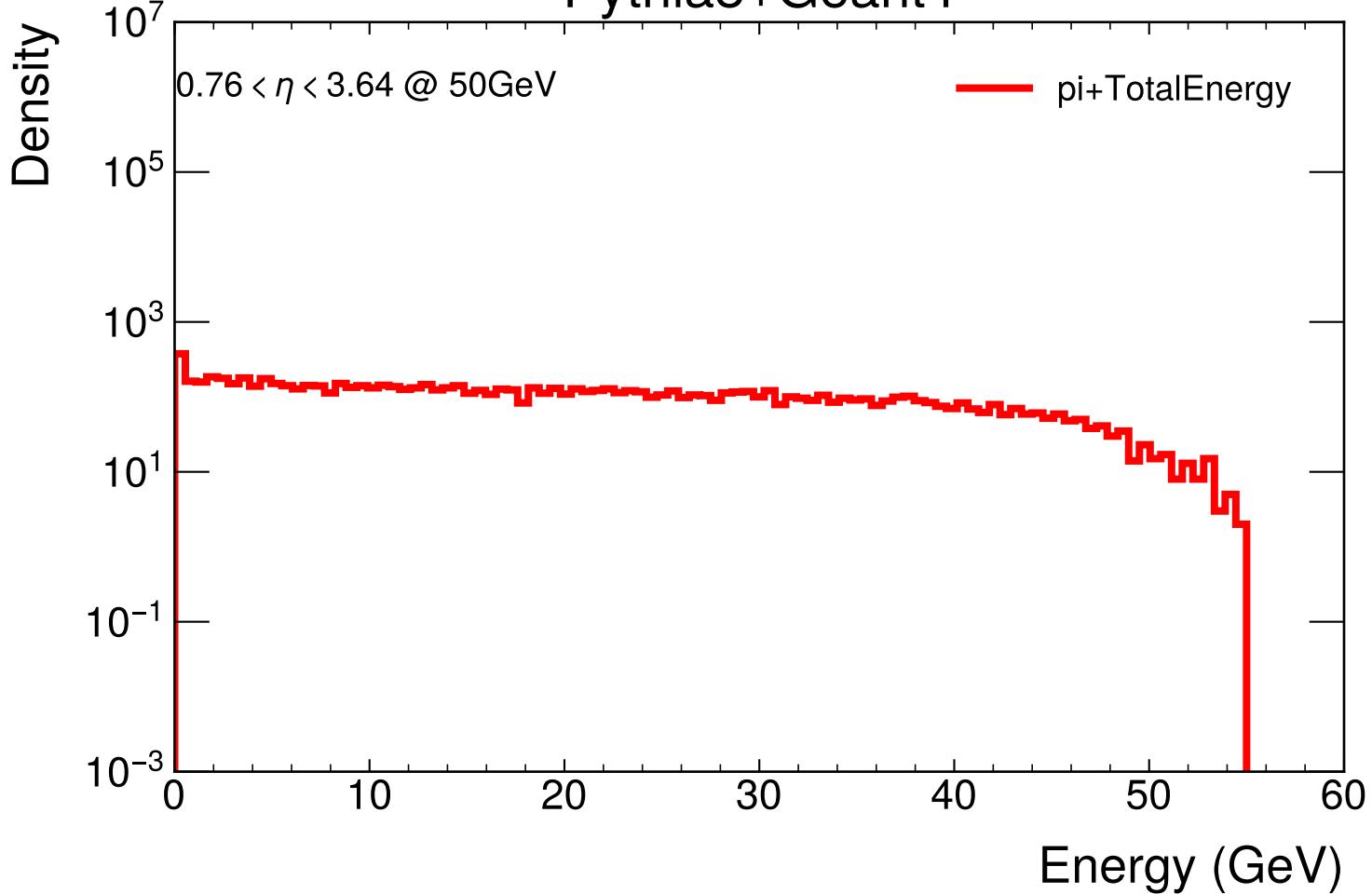
$\pi^+ @ 20\text{GeV}$ spanning $-0.88 < \eta < 0.88$



ATHENA simulation [DD4hep] Pythia8+Geant4

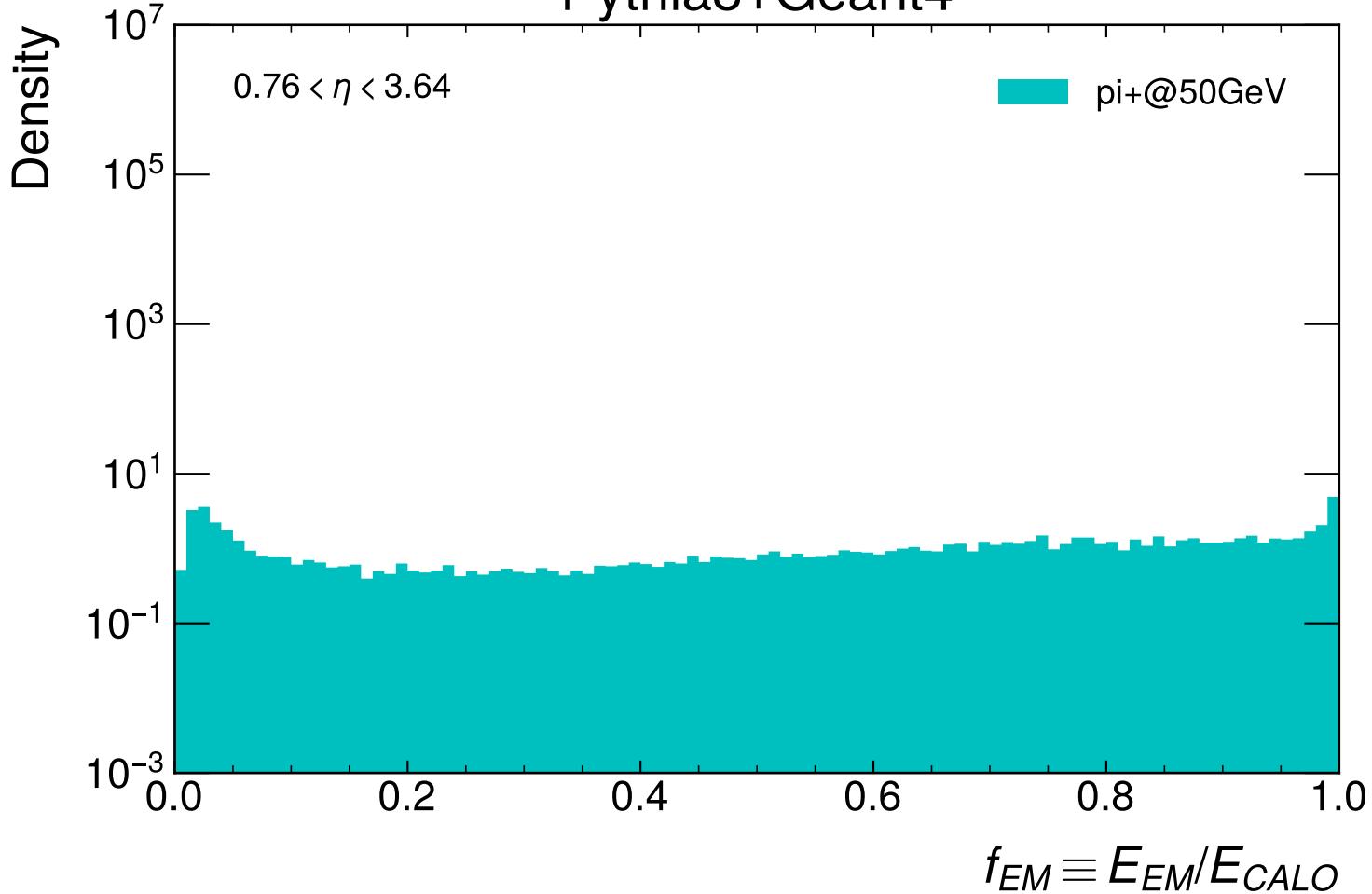


ATHENA simulation [DD4hep] Pythia8+Geant4

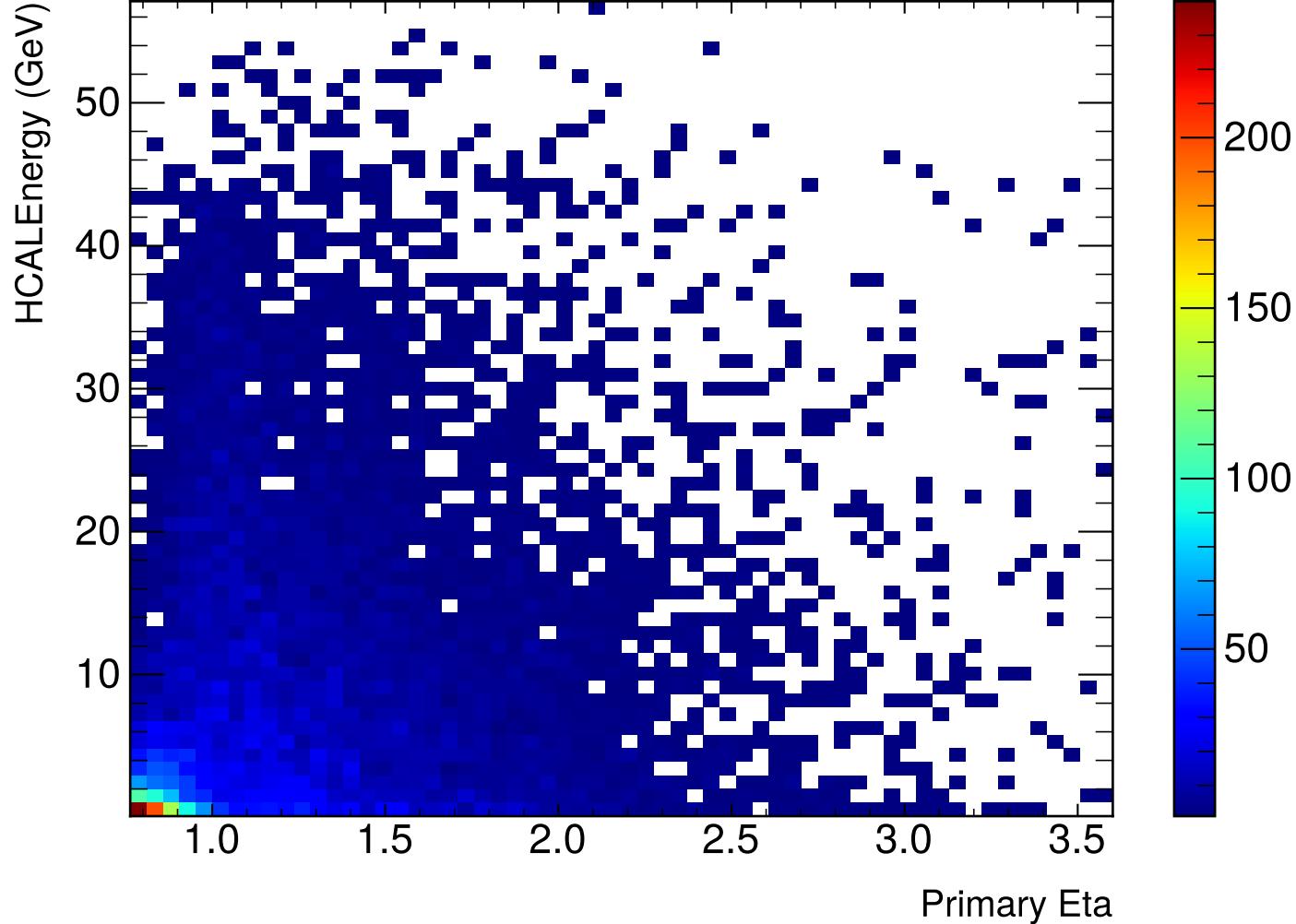


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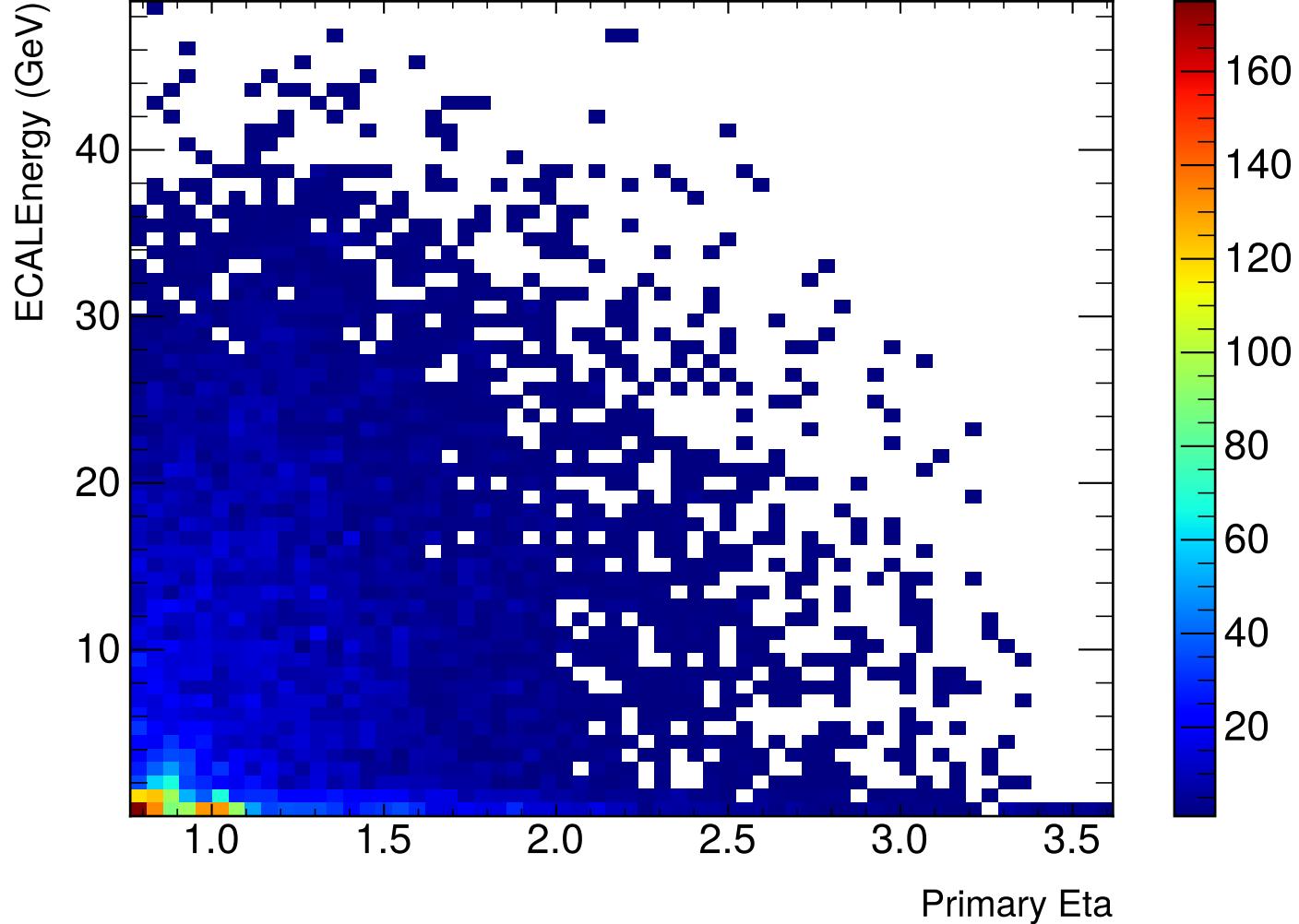
Pythia8+Geant4



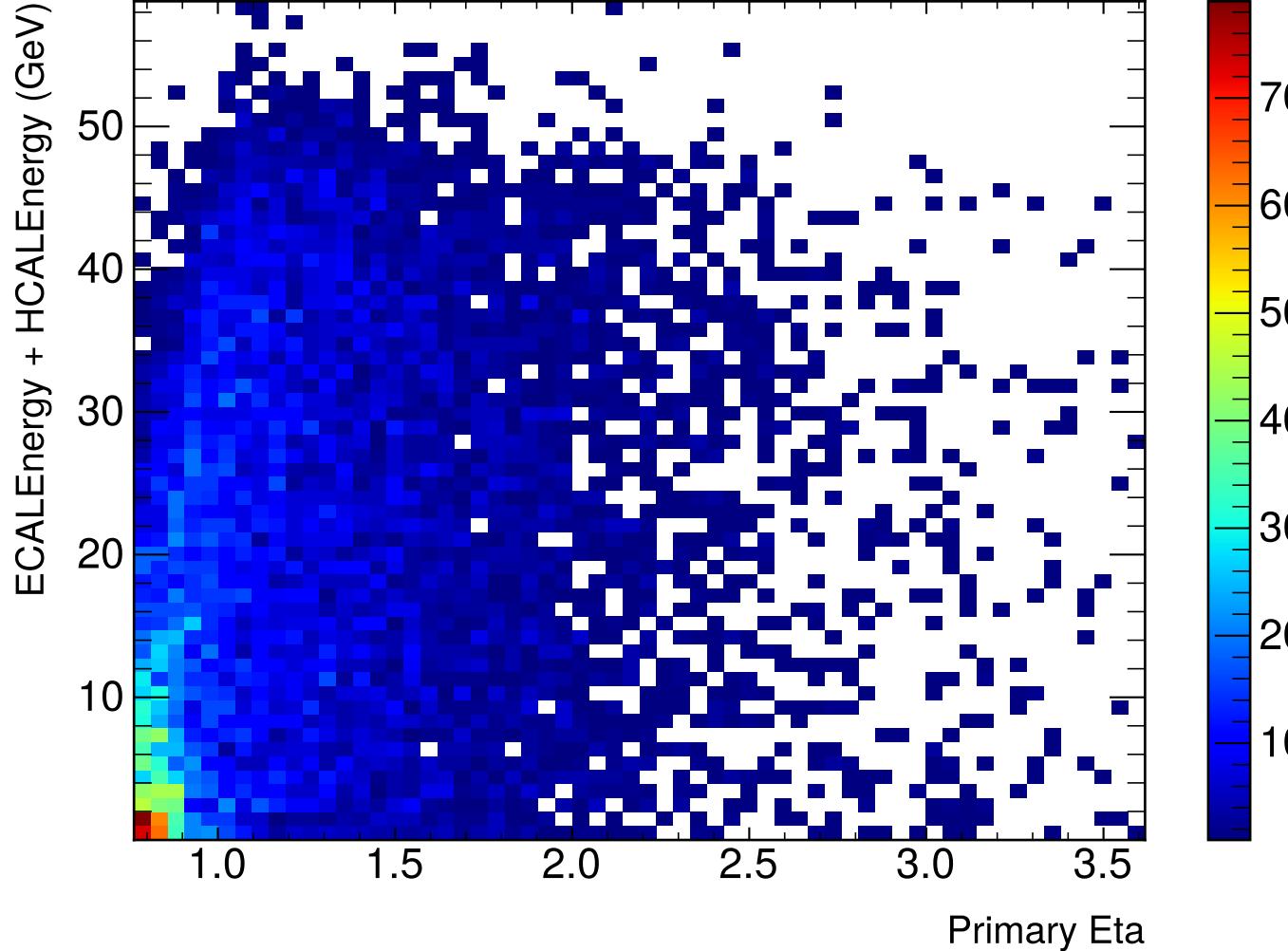
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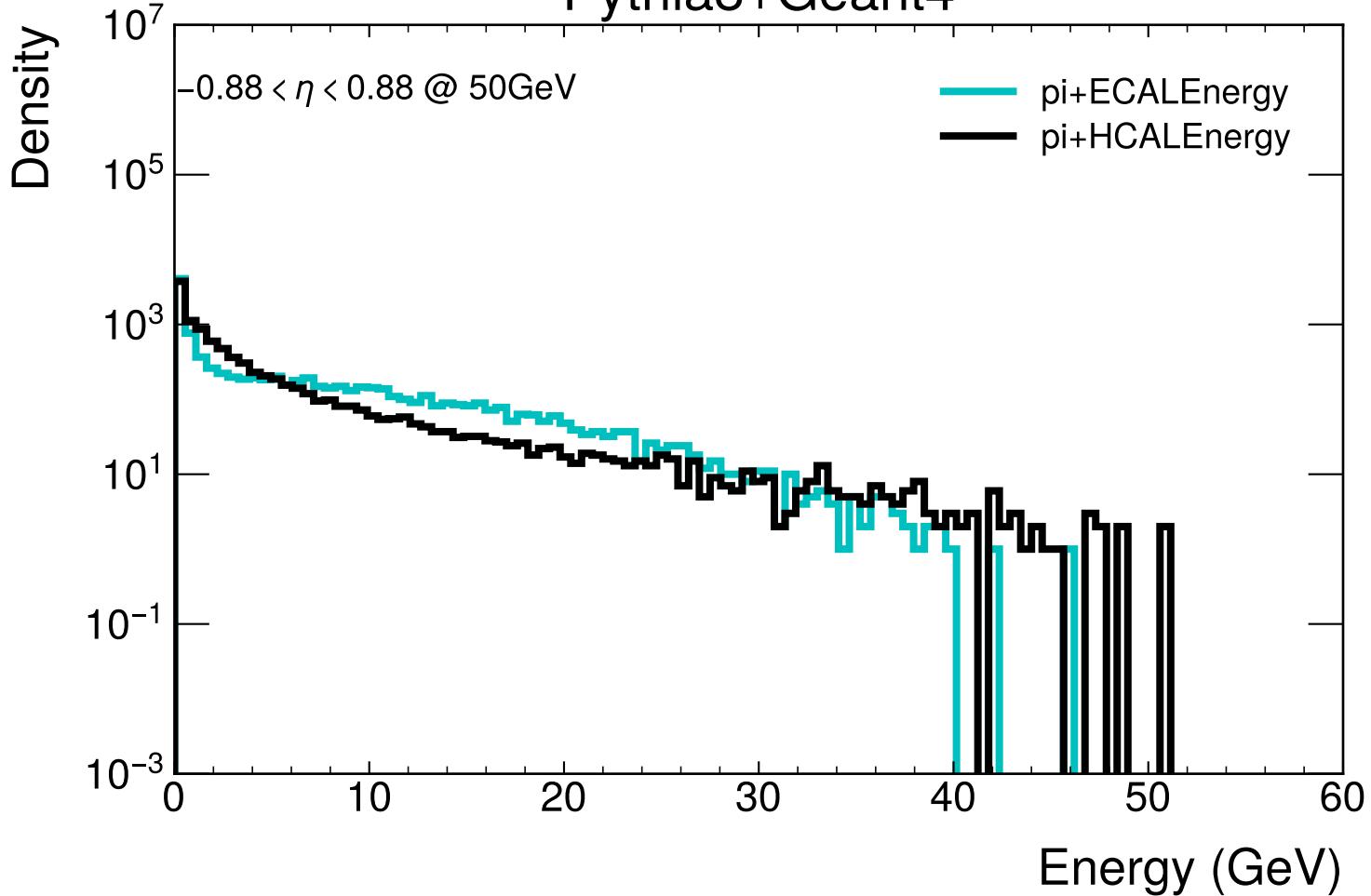
$\pi^+@50\text{GeV}$ spanning $0.76 < \eta < 3.64$



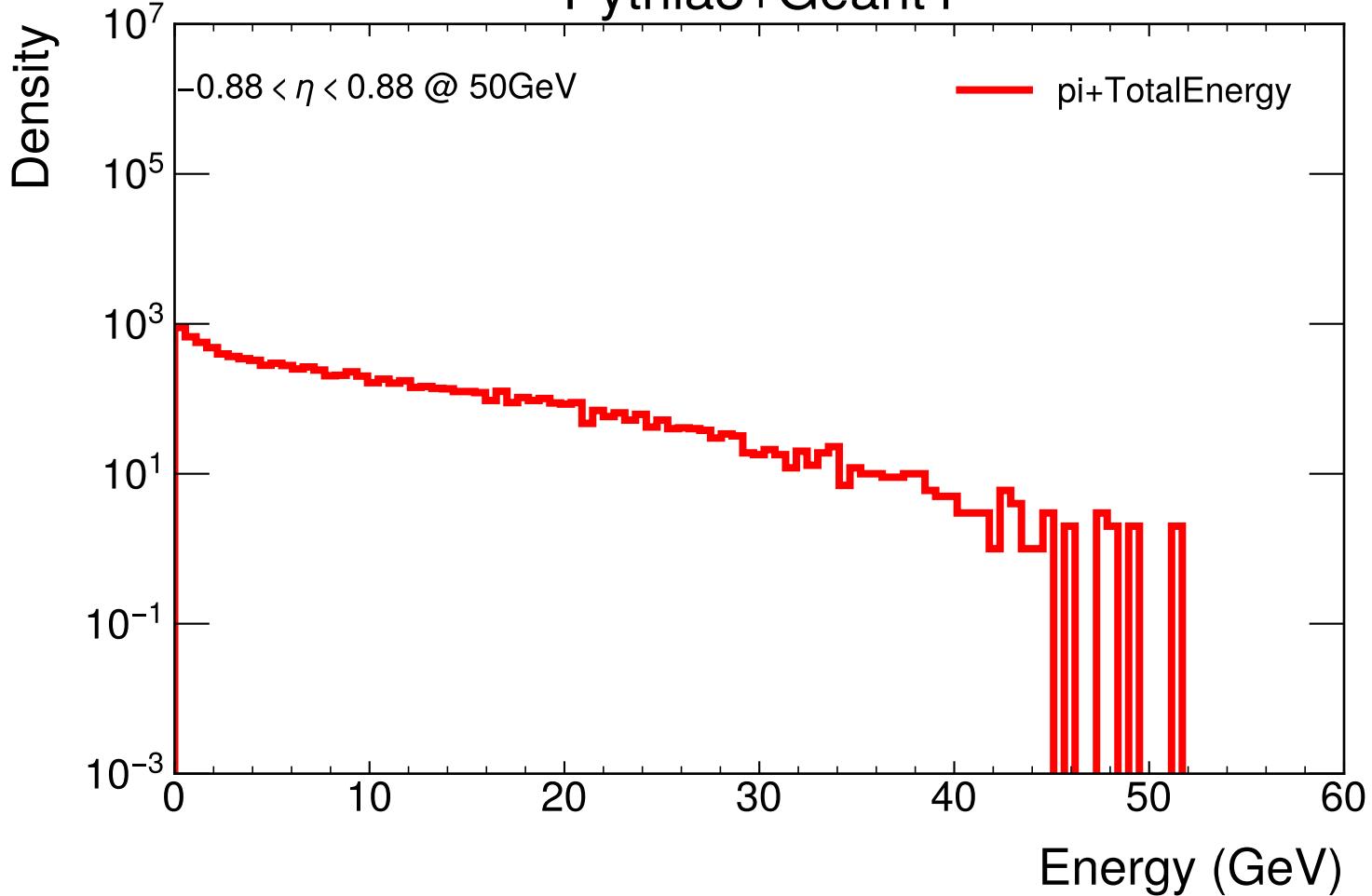
$\pi^+ @ 50\text{GeV}$ spanning $0.76 < \eta < 3.64$



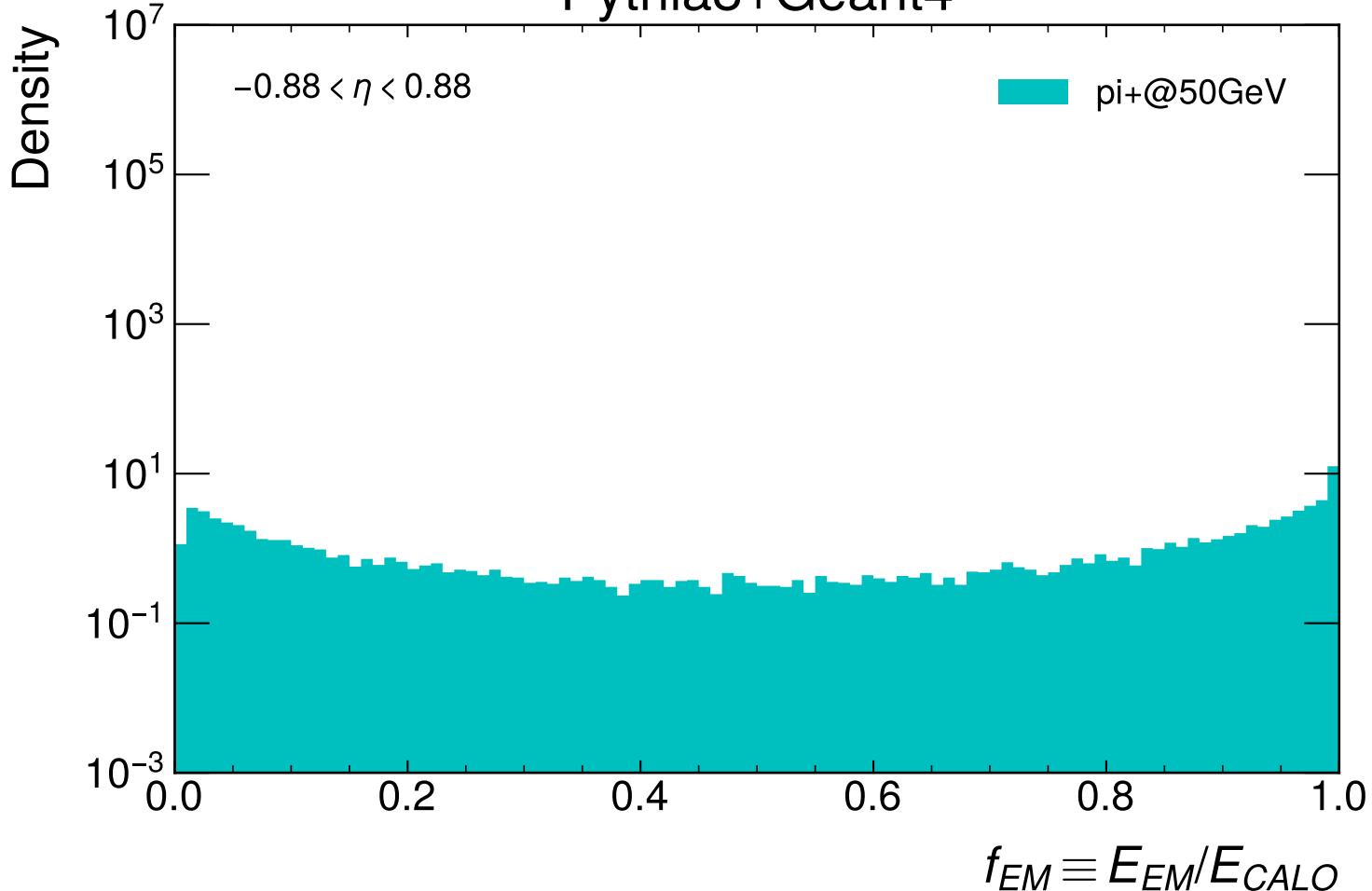
ATHENA simulation [DD4hep] Pythia8+Geant4



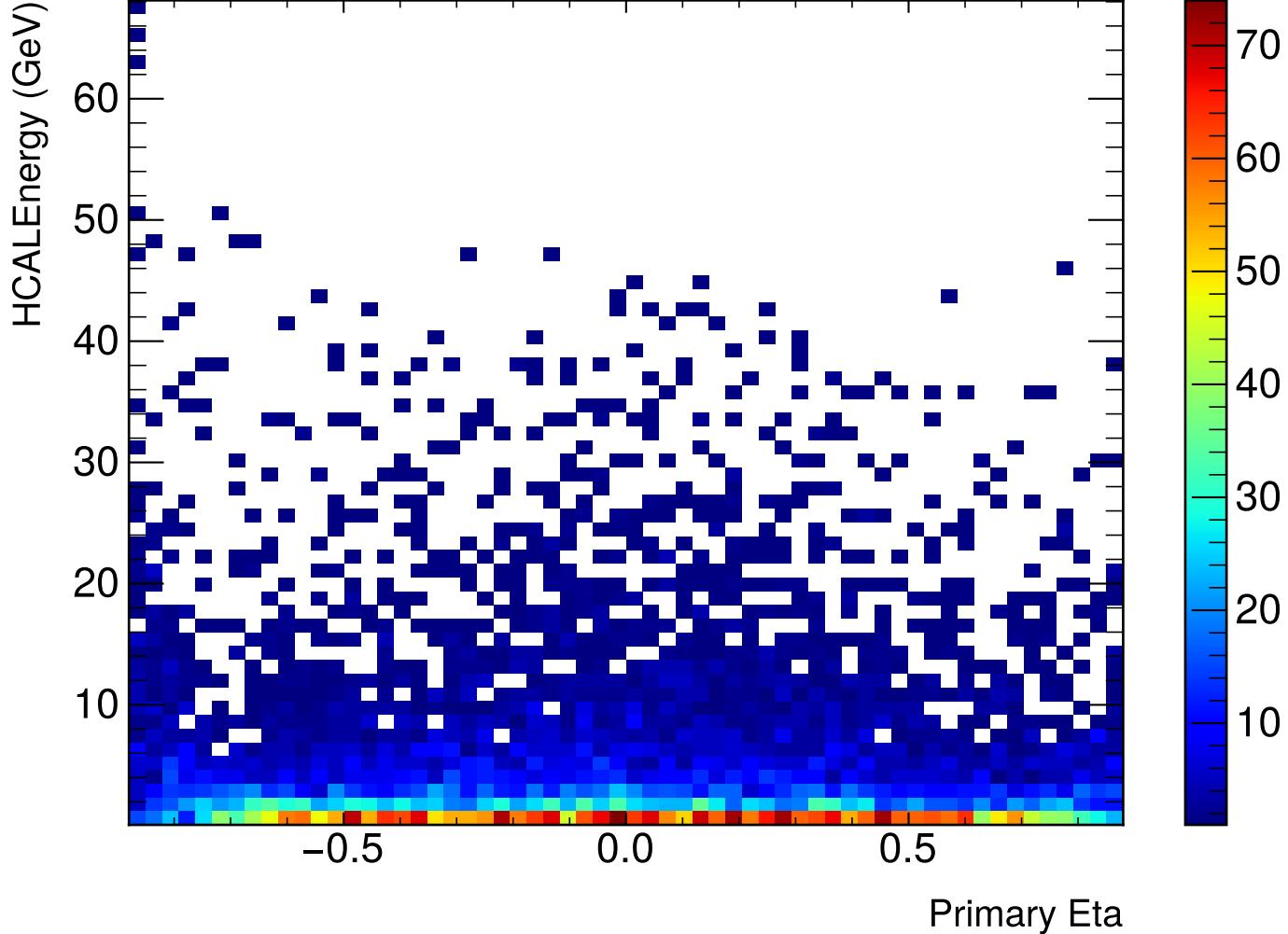
ATHENA simulation [DD4hep] Pythia8+Geant4



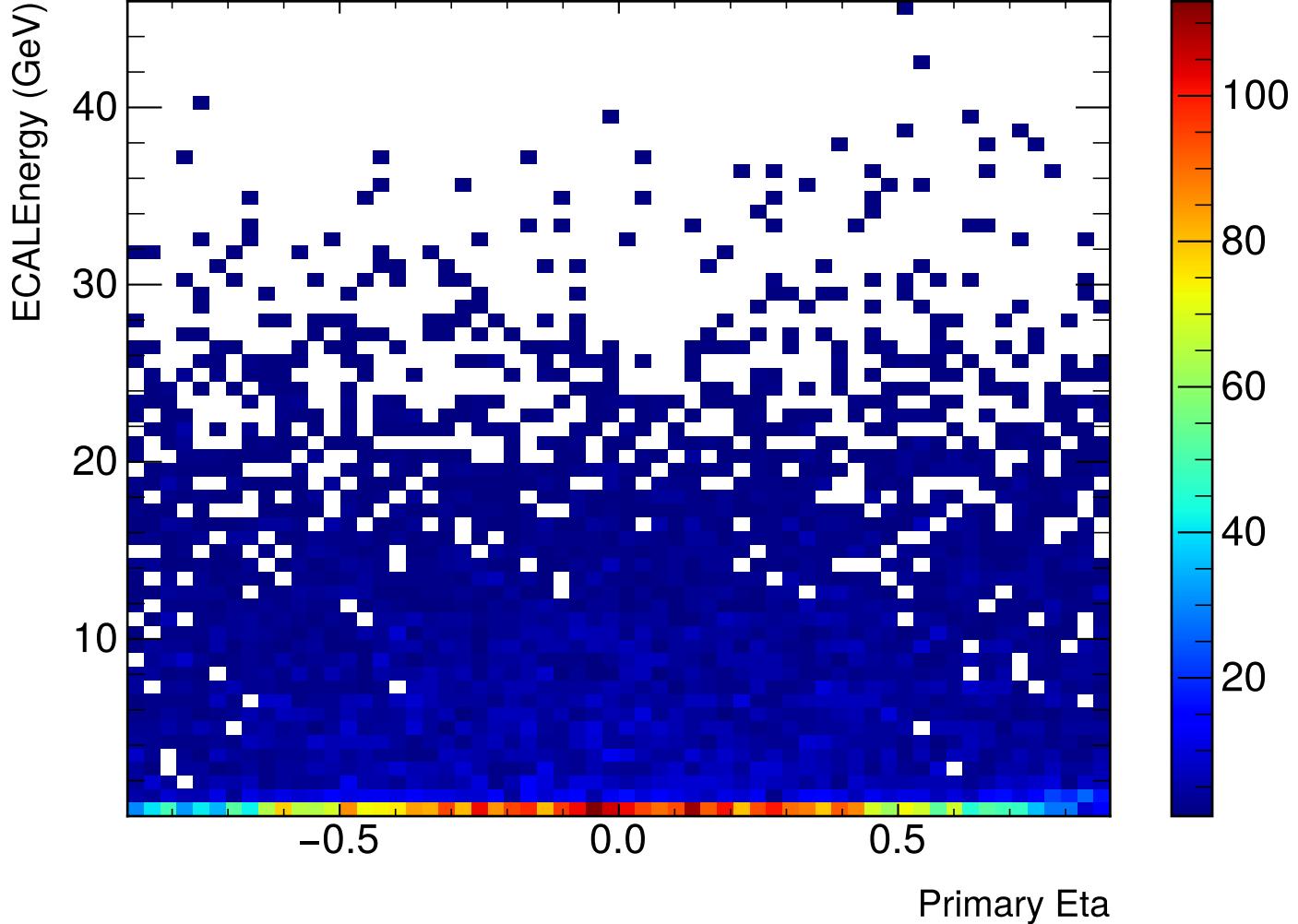
ATHENA simulation [DD4hep] Pythia8+Geant4



$\pi^+@50\text{GeV}$ spanning $-0.88 < \eta < 0.88$



$\pi^+@50\text{GeV}$ spanning $-0.88 < \eta < 0.88$



$\pi^+ @ 50\text{GeV}$ spanning $-0.88 < \eta < 0.88$

