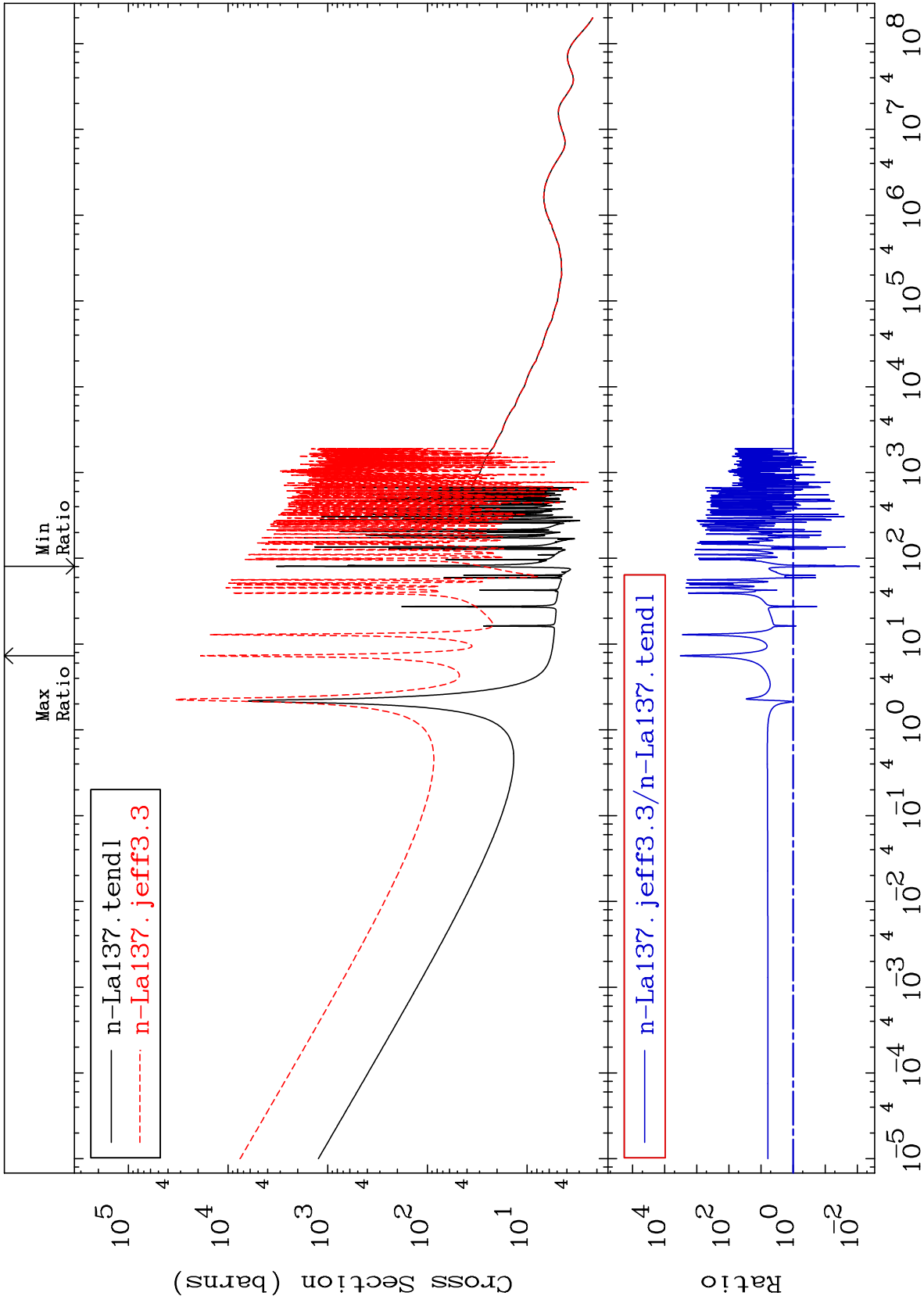


MAT 5722

Total Cross Section
57-La-137
-99.14 To 9999. %

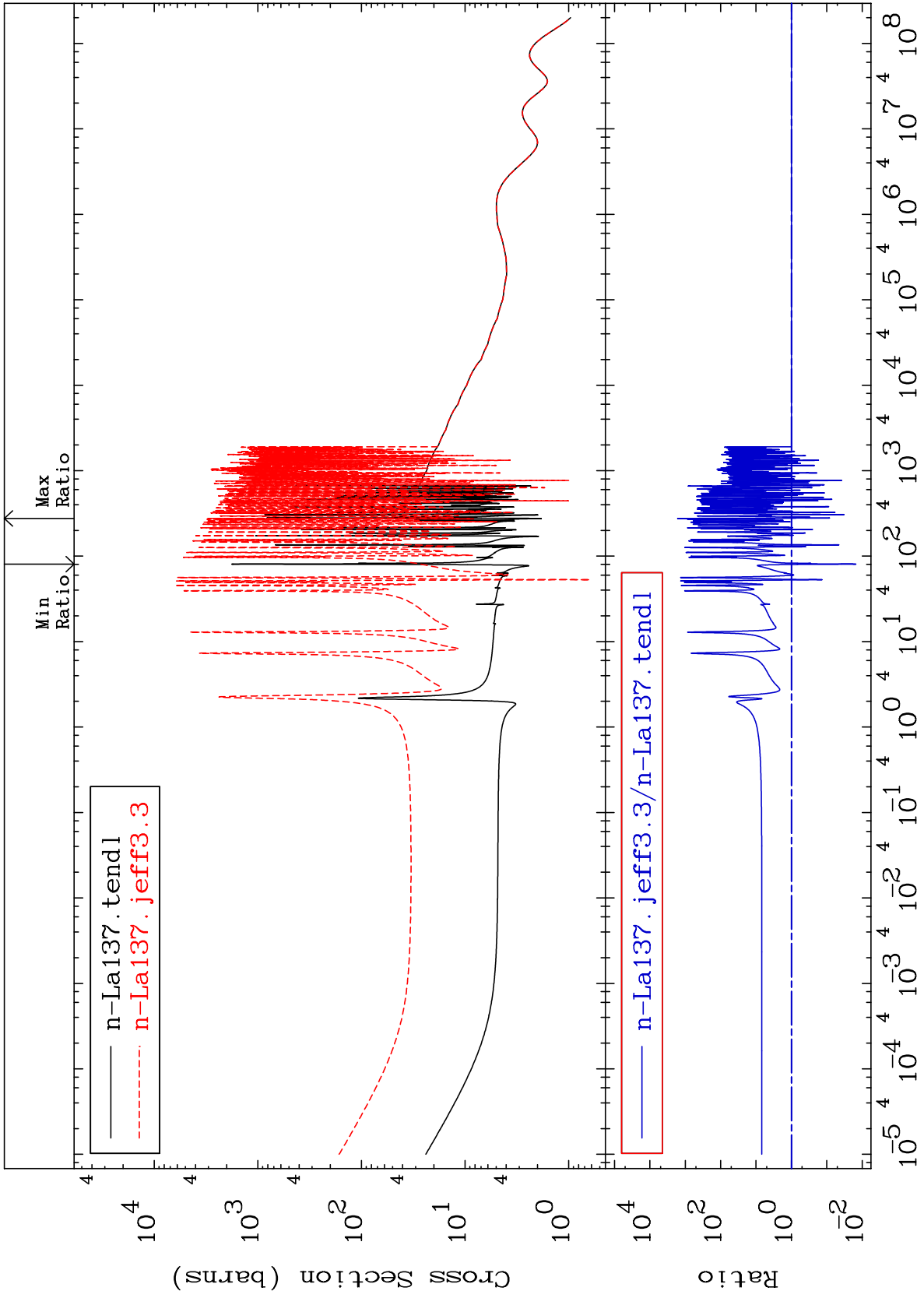


Incident Energy (eV)

57-La-137

MAT 5722

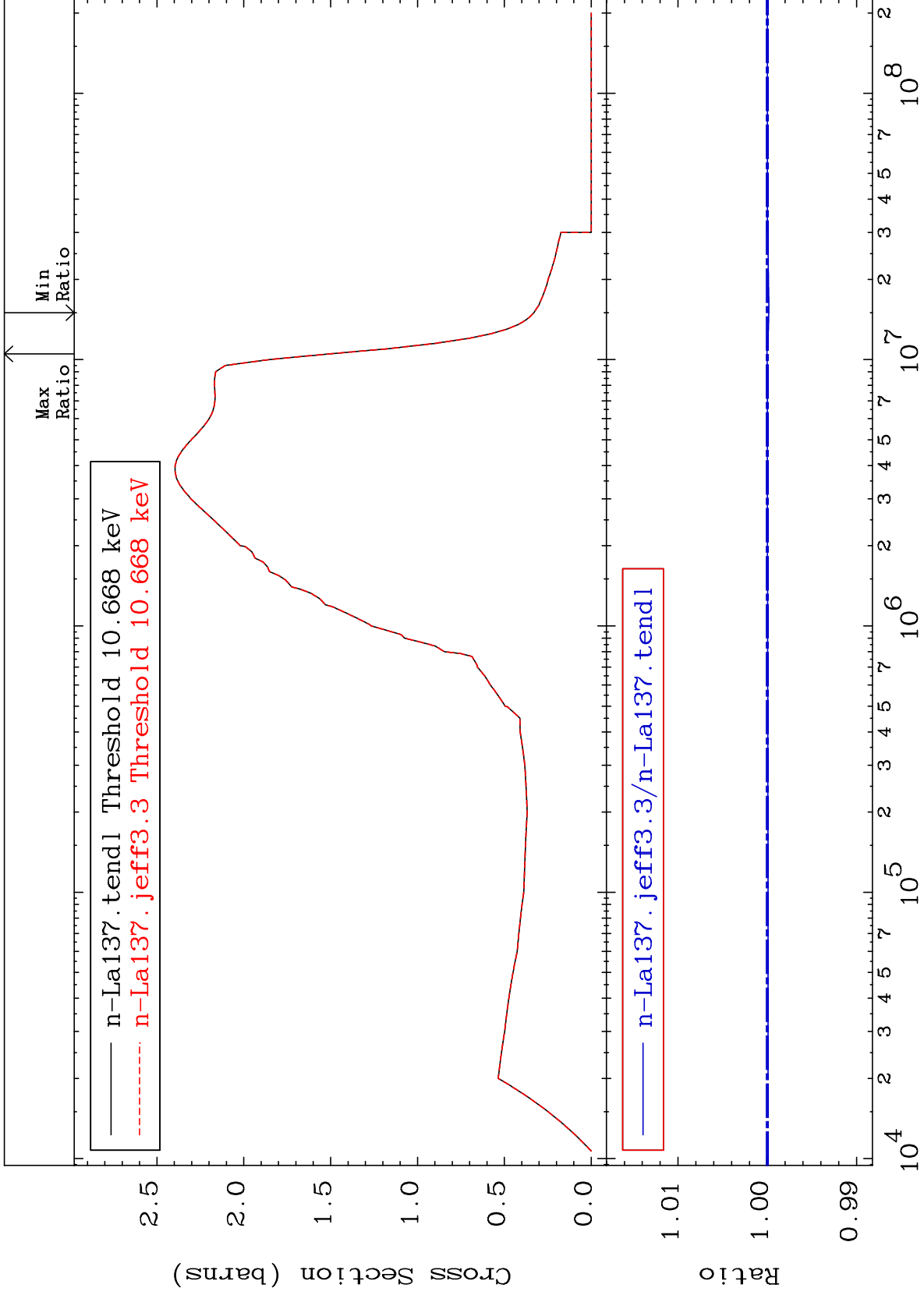
Elastic Cross Section
57-La-137
-98.49 To 9999. %



MAT 5722

Inelastic
Cross Section

57-La-137
-0.017 To 0.003 %



Incident Energy (eV)

57-La-137

MAT 5722

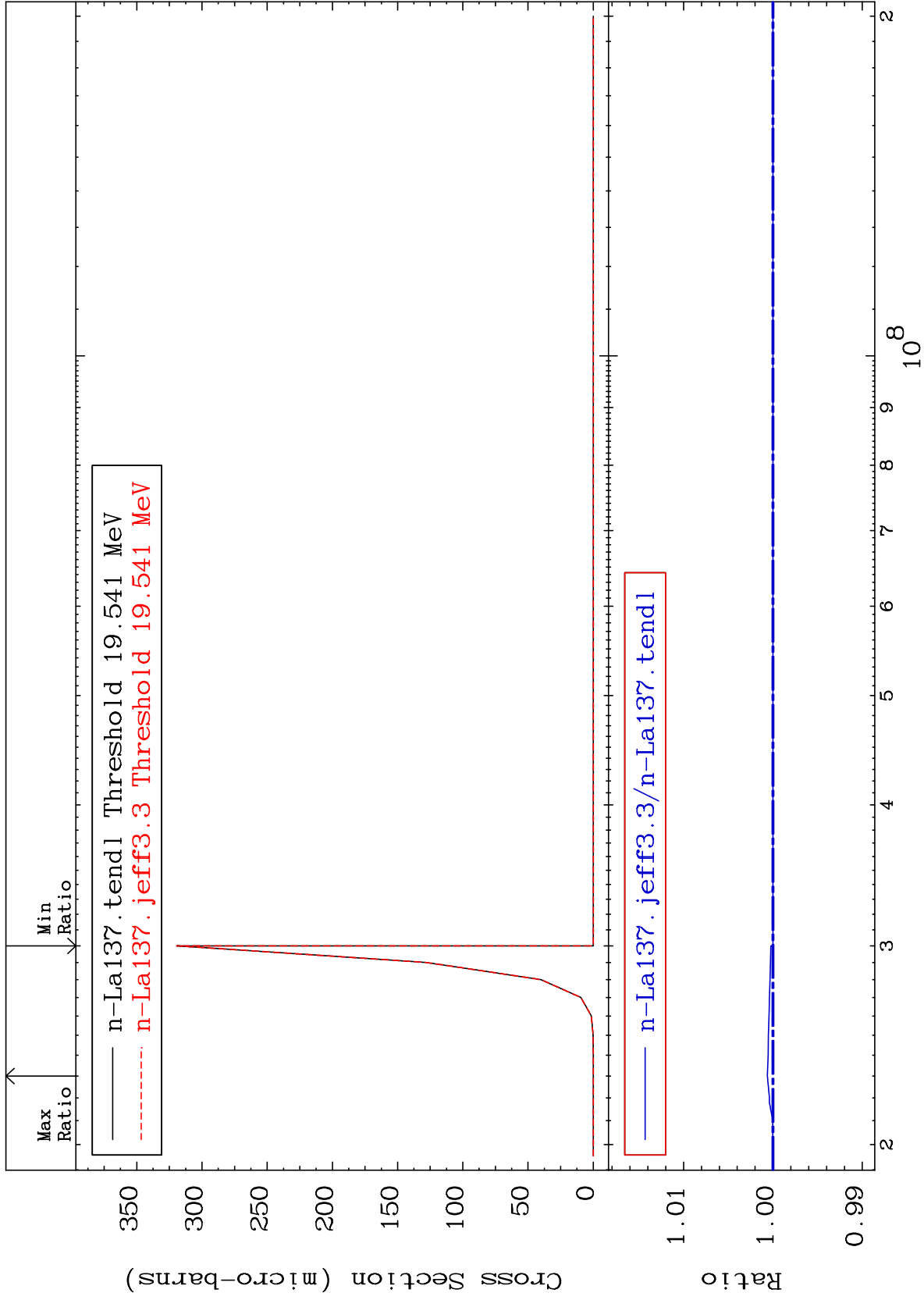
(n,2n) d

57-La-137

Cross Section

0.000

To 0.063 %



Incident Energy (eV)

57-La-137

4

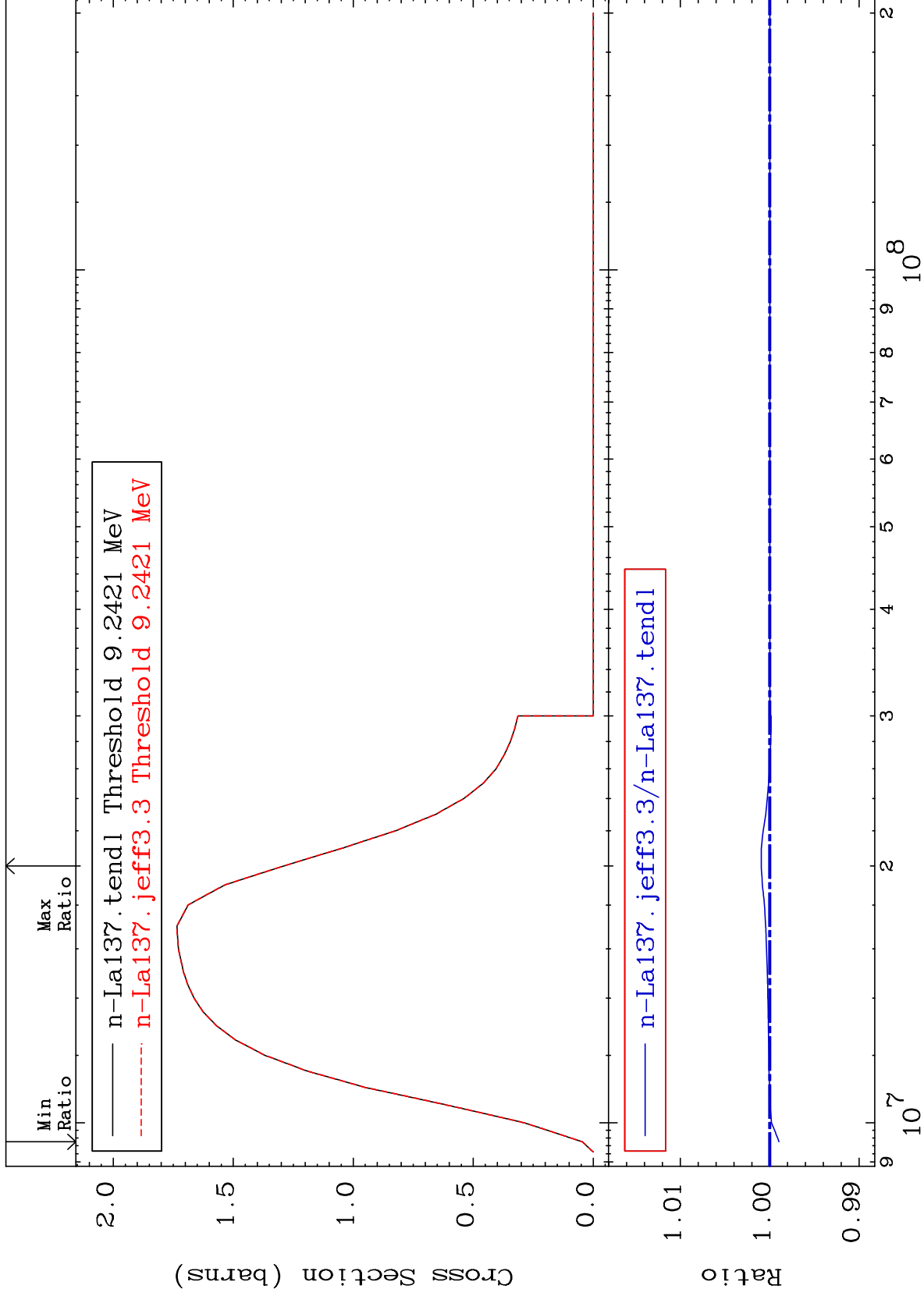
MAT 5722

(n,2n)

57-La-137

Cross Section

-0.104 To 0.095 %



57-La-137

57-La-137

MAT 5722

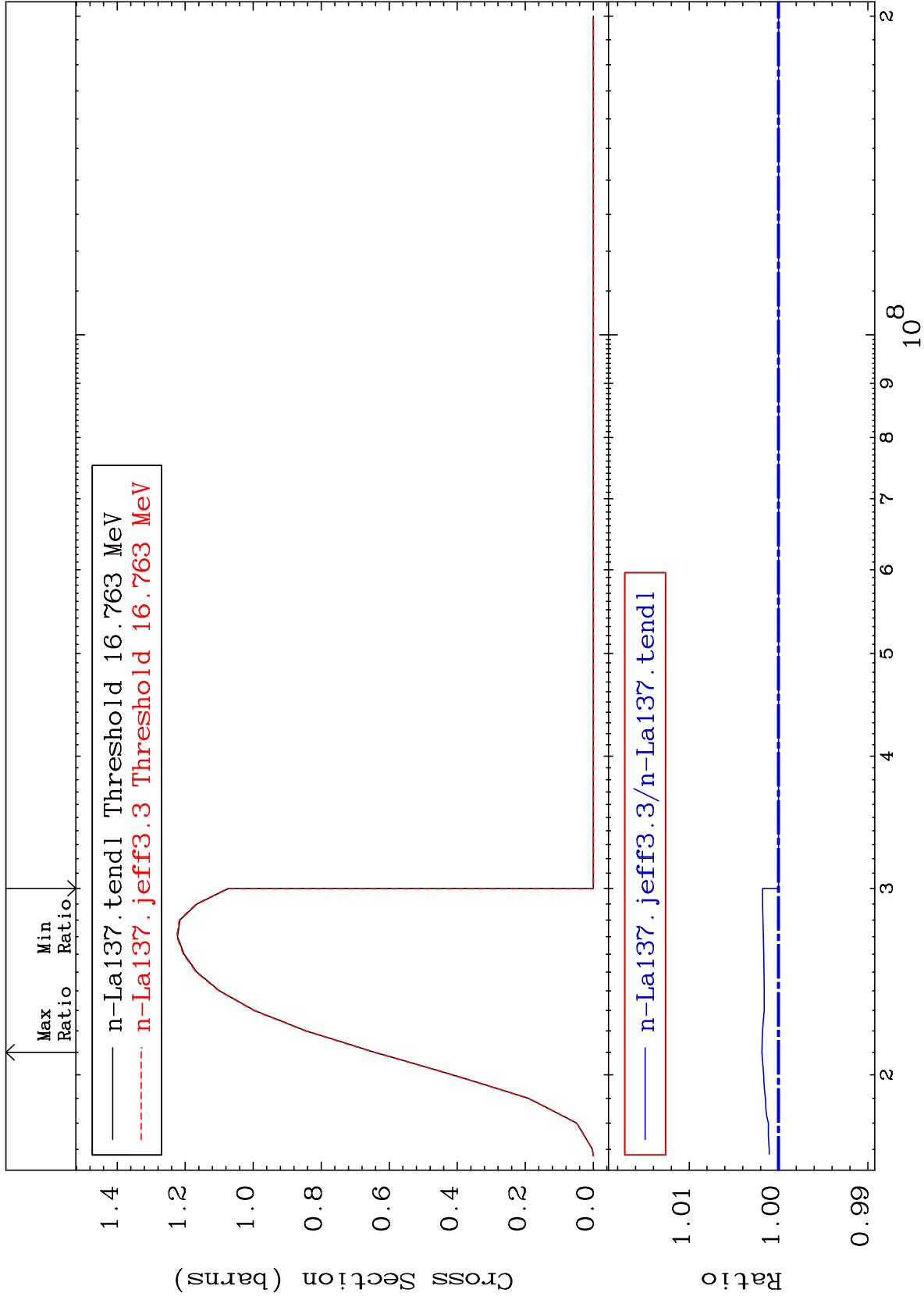
(n,3n)

57-La-137

Cross Section

0.000

To 0.186 %

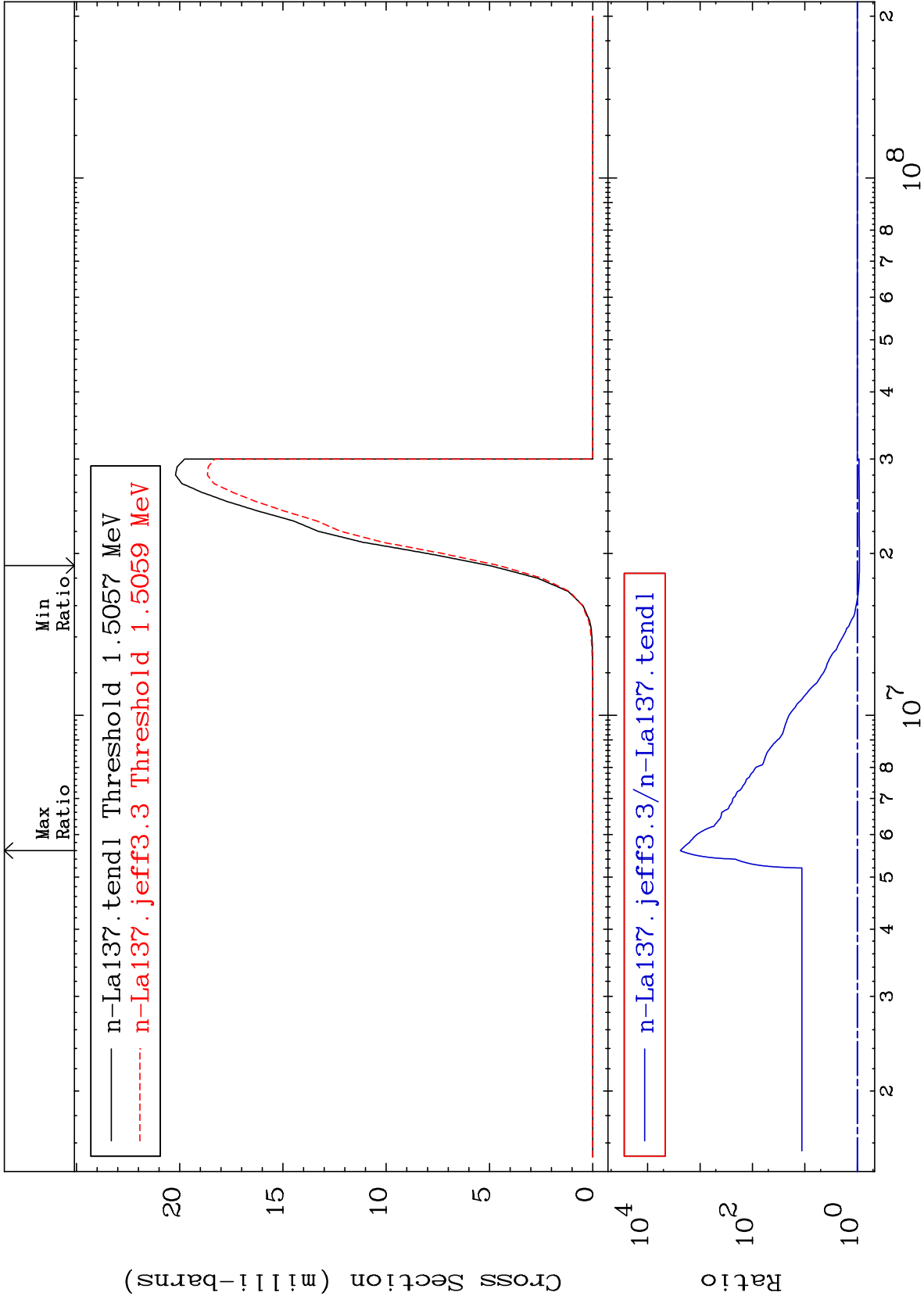


MAT 5722

(n,n') α
Cross Section

57-La-137

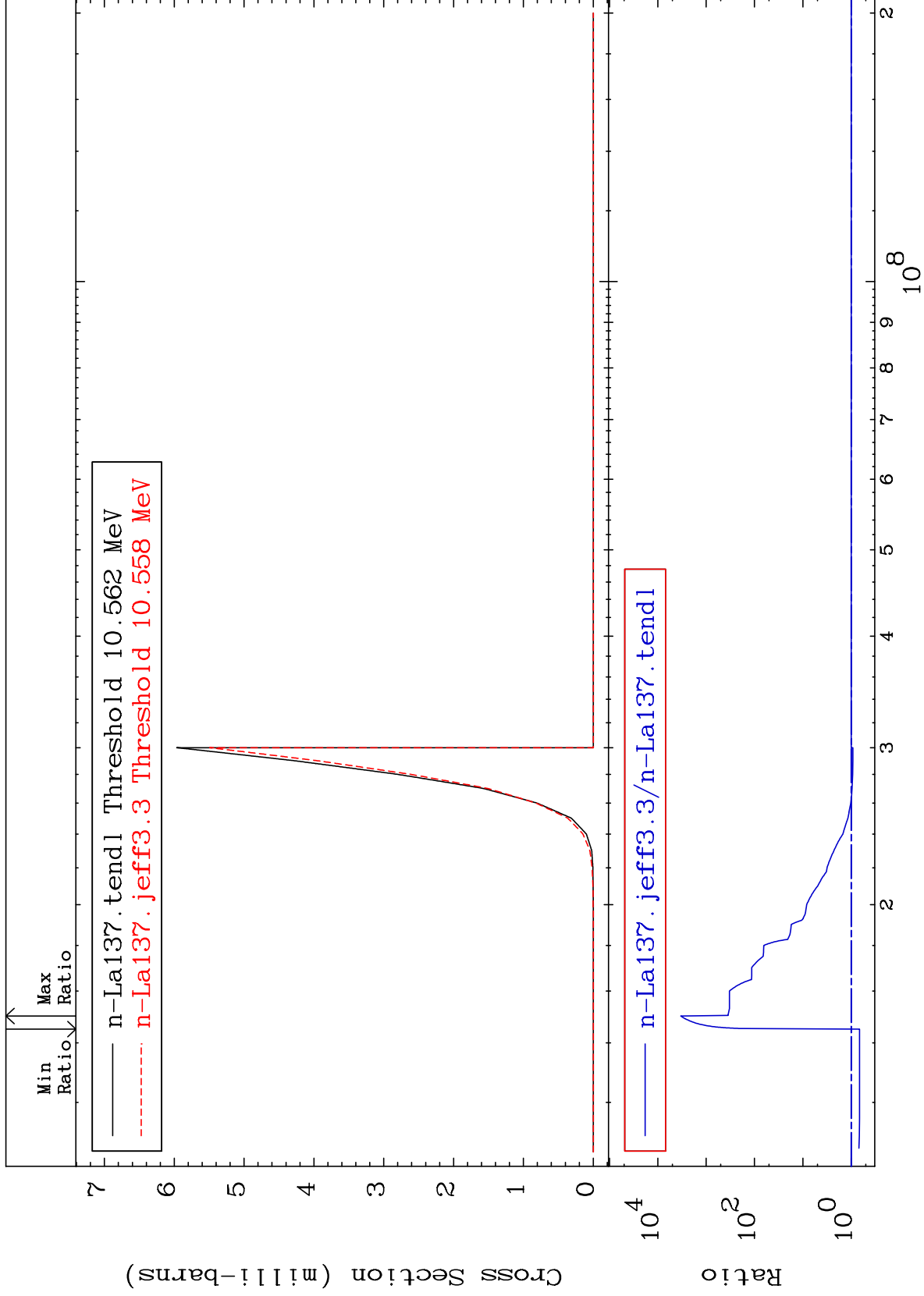
-9.062 To 9999. %



MAT 5722

(n,2n) α
Cross Section

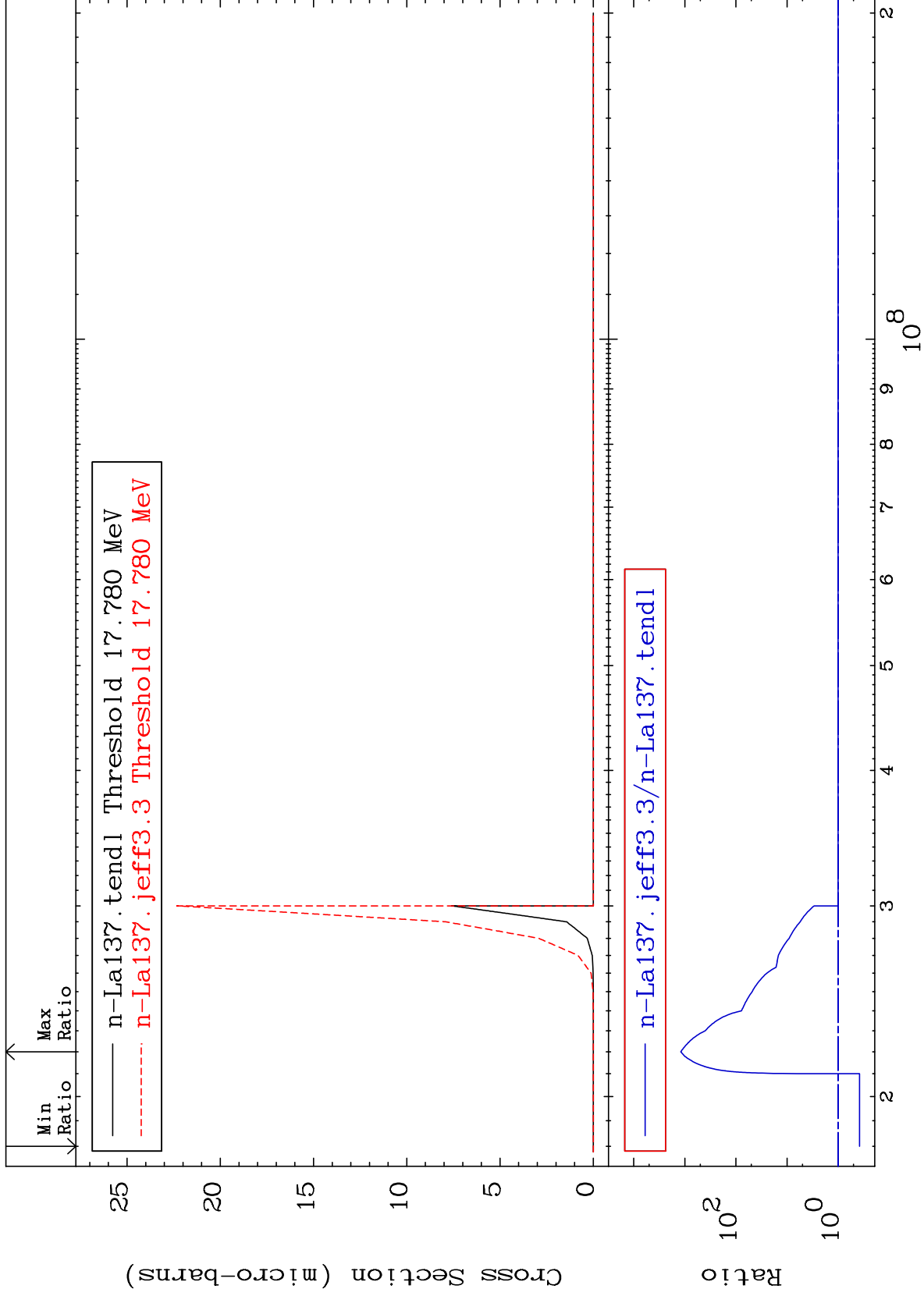
57-La-137
-32.81 To 9999. %



MAT 5722

(n,3n) α
Cross Section

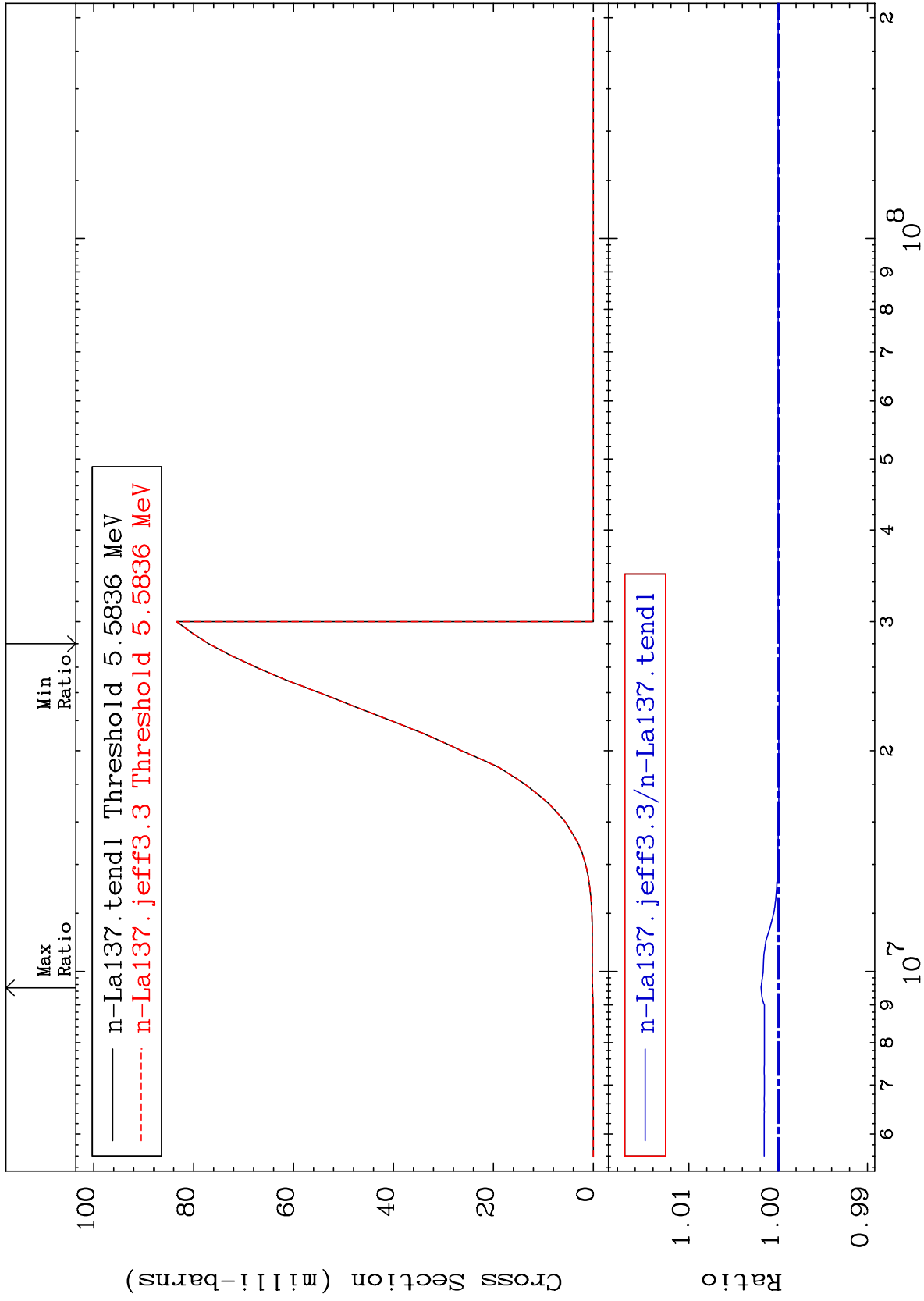
57-La-137
-61.93 To 9999. %



MAT 5722

(n, n') p
Cross Section

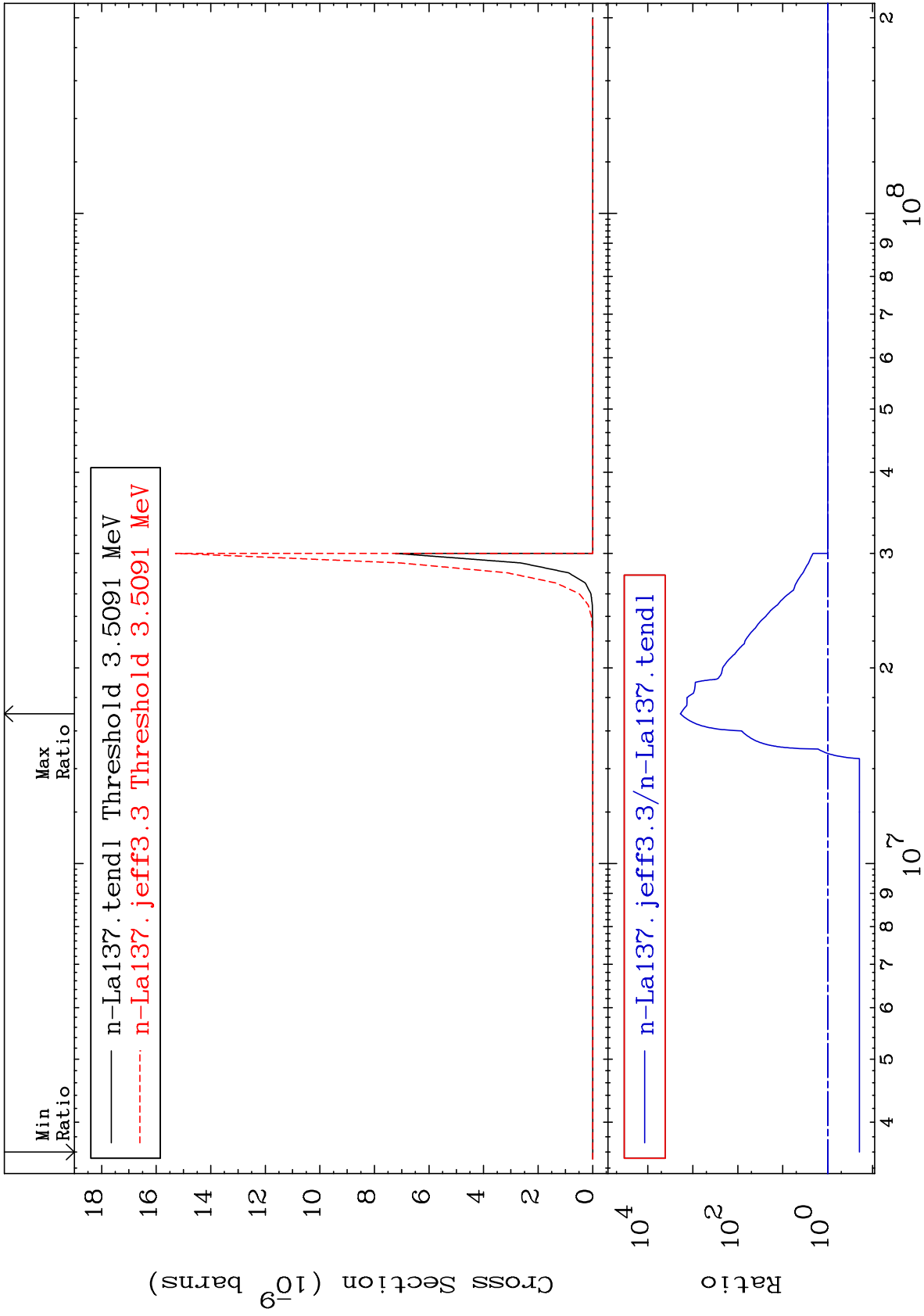
57-La-137
-0.014 To 0.192 %



MAT 5722

(n, n') 2α
Cross Section

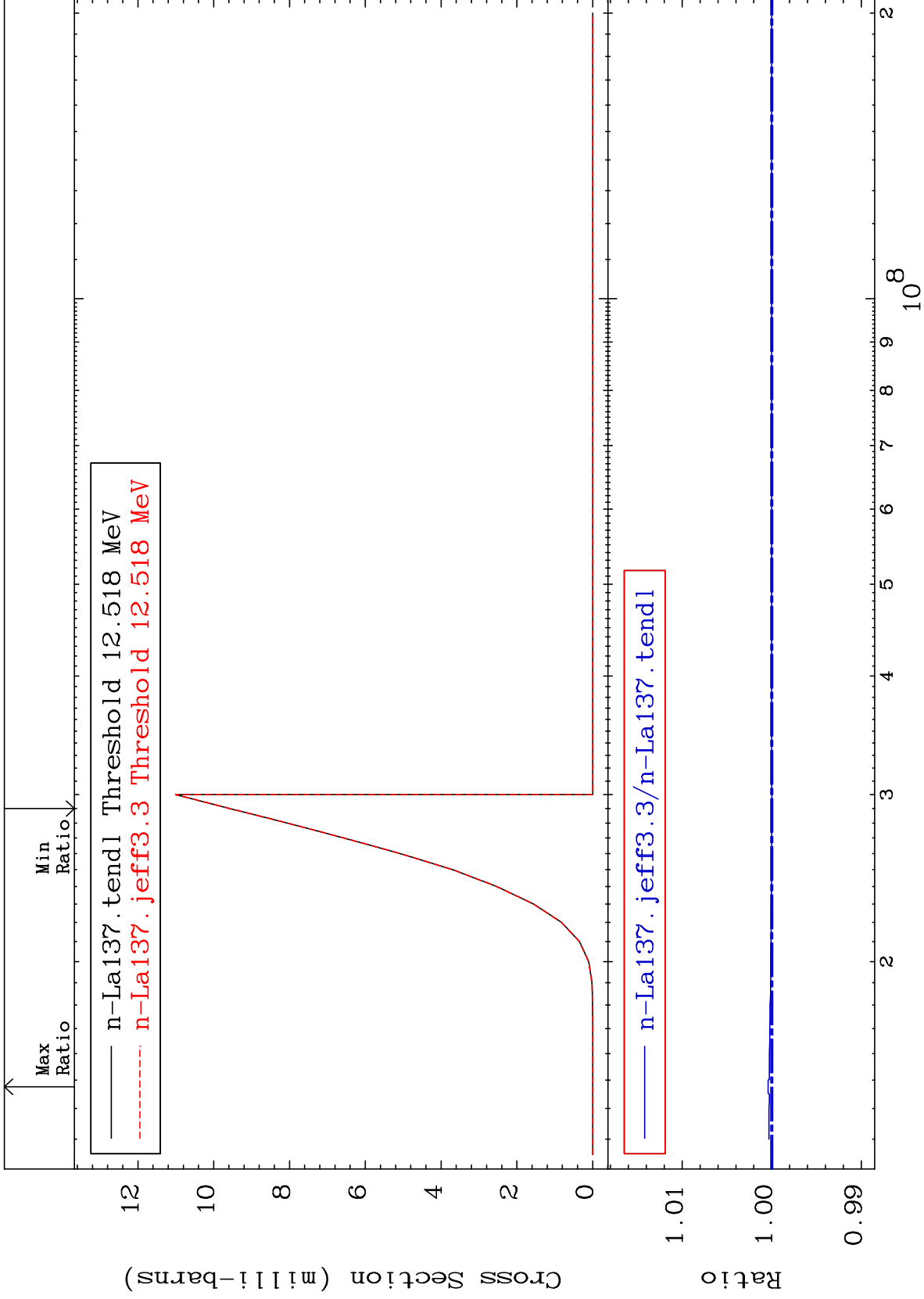
57-La-137
-80.32 To 9999. %



MAT 5722

(n,n') d
Cross Section

57-La-137
-0.001 To 0.041 %



12

Incident Energy (eV)

57-La-137

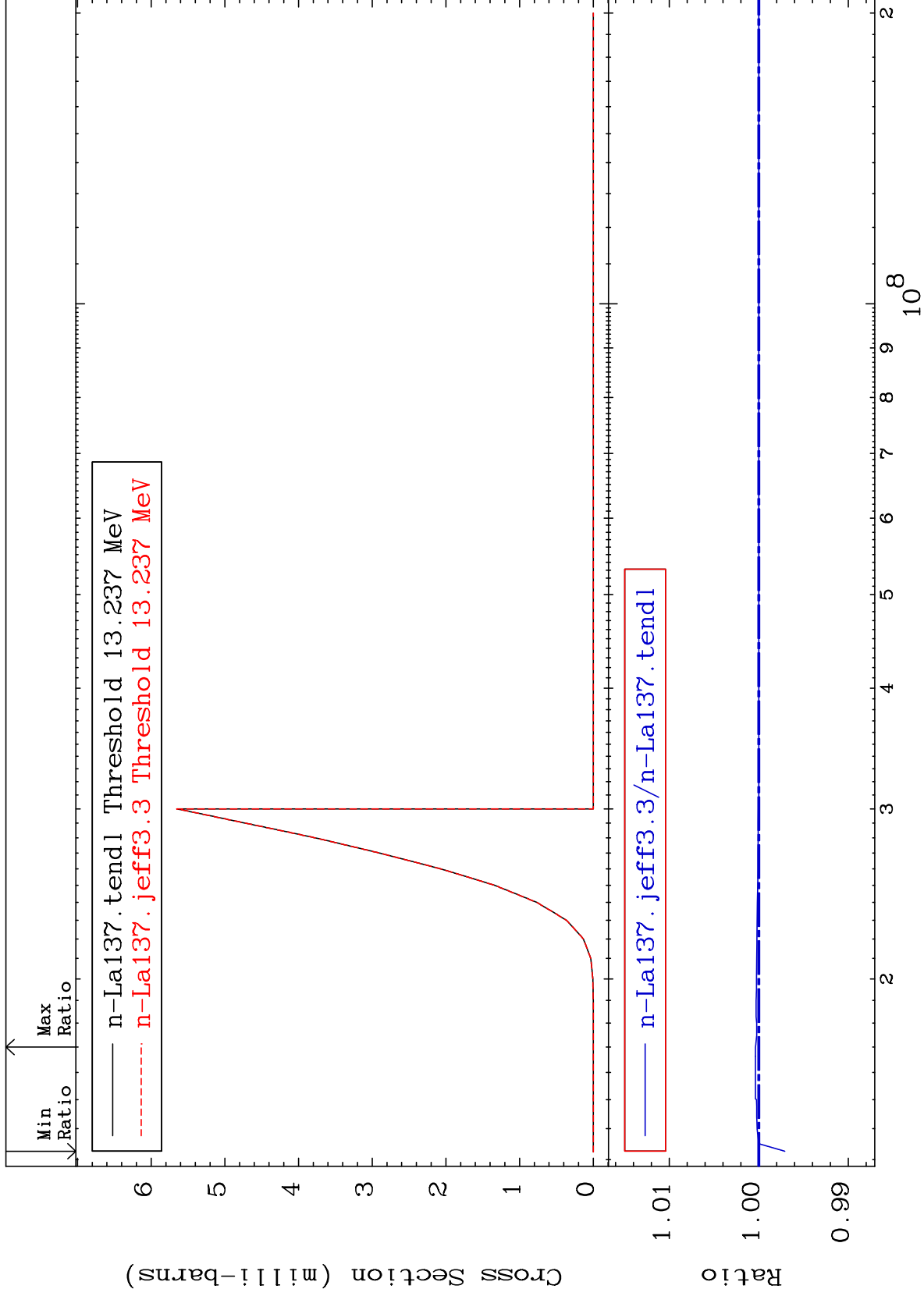
MAT 5722

(n,n') t

57-La-137

Cross Section

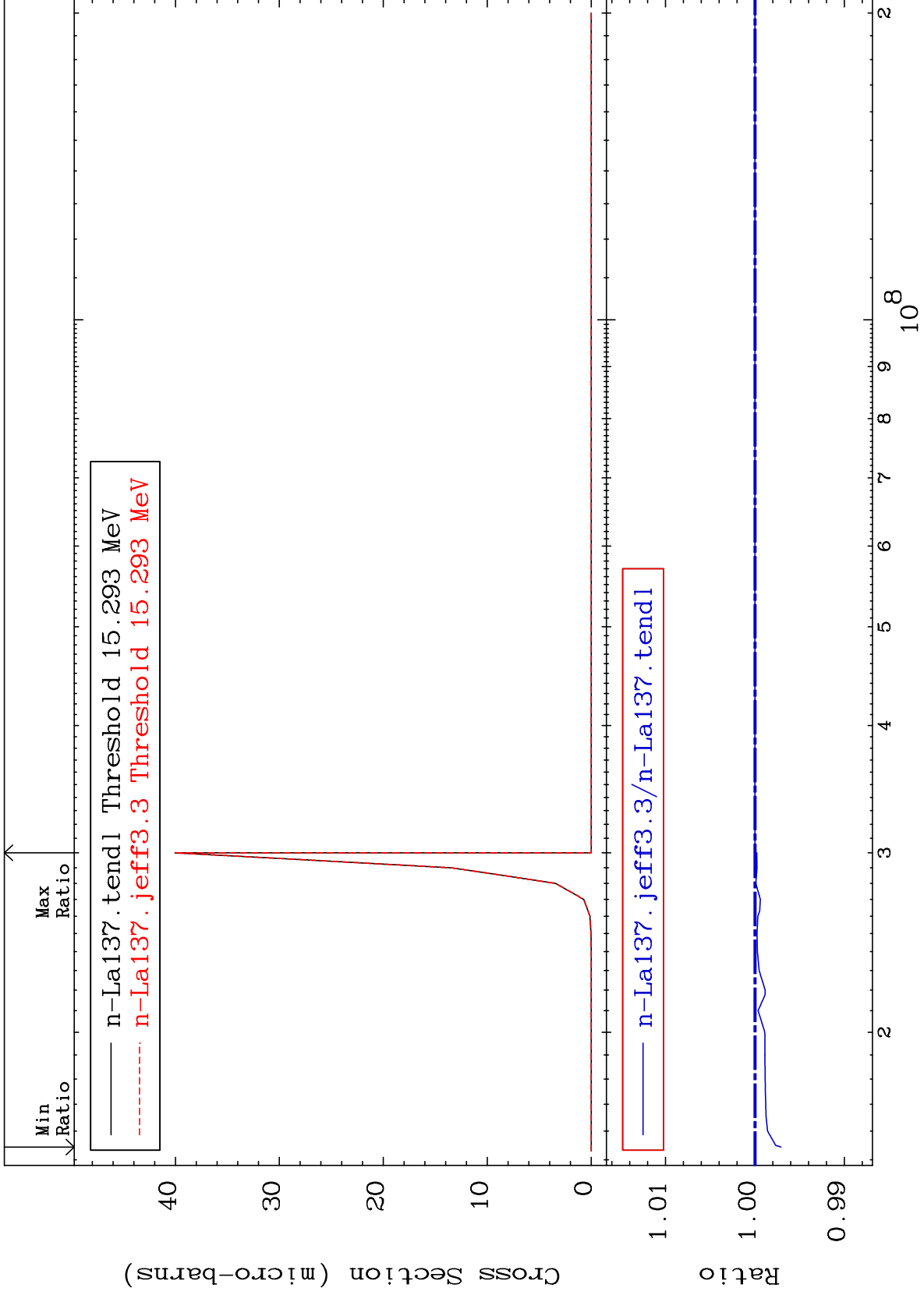
-0.291 To 0.037 %



MAT 5722

(n, n') He-3
Cross Section

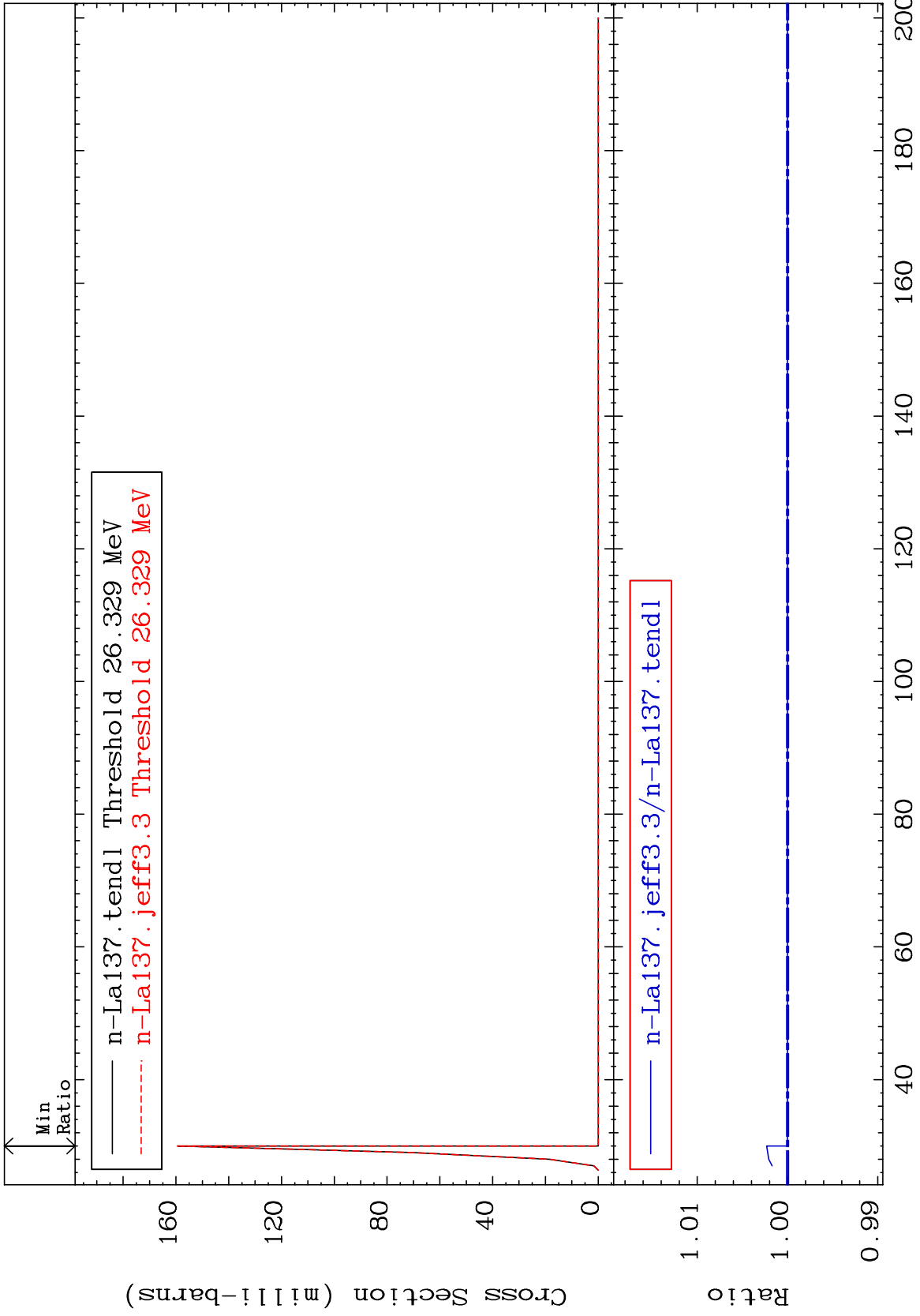
57-La-137
-0.290 To 0.000 %



MAT 5722

(n,4n)
Cross Section

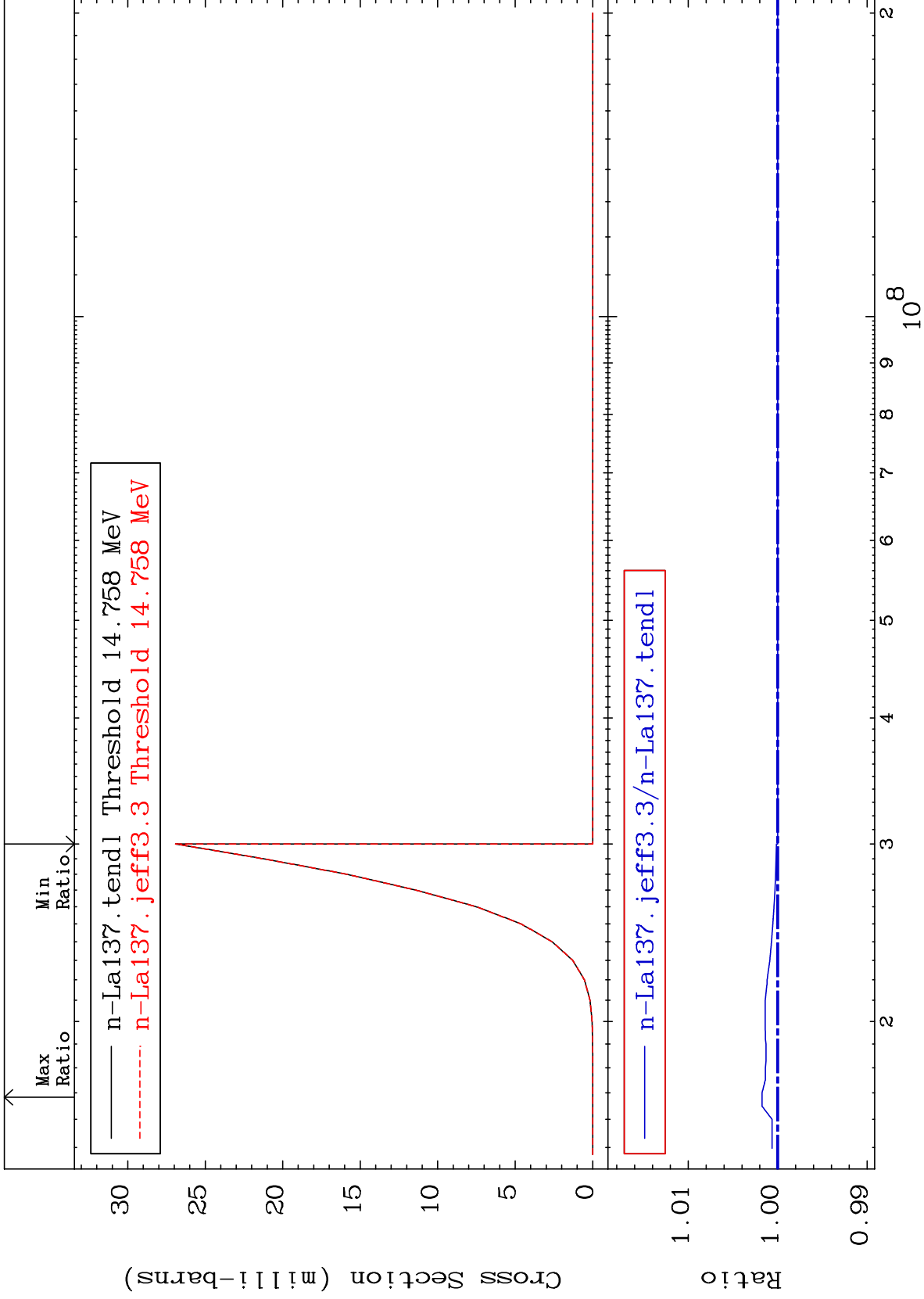
57-La-137
0.000 To 0.232 %



MAT 5722

(n,2n) p
Cross Section

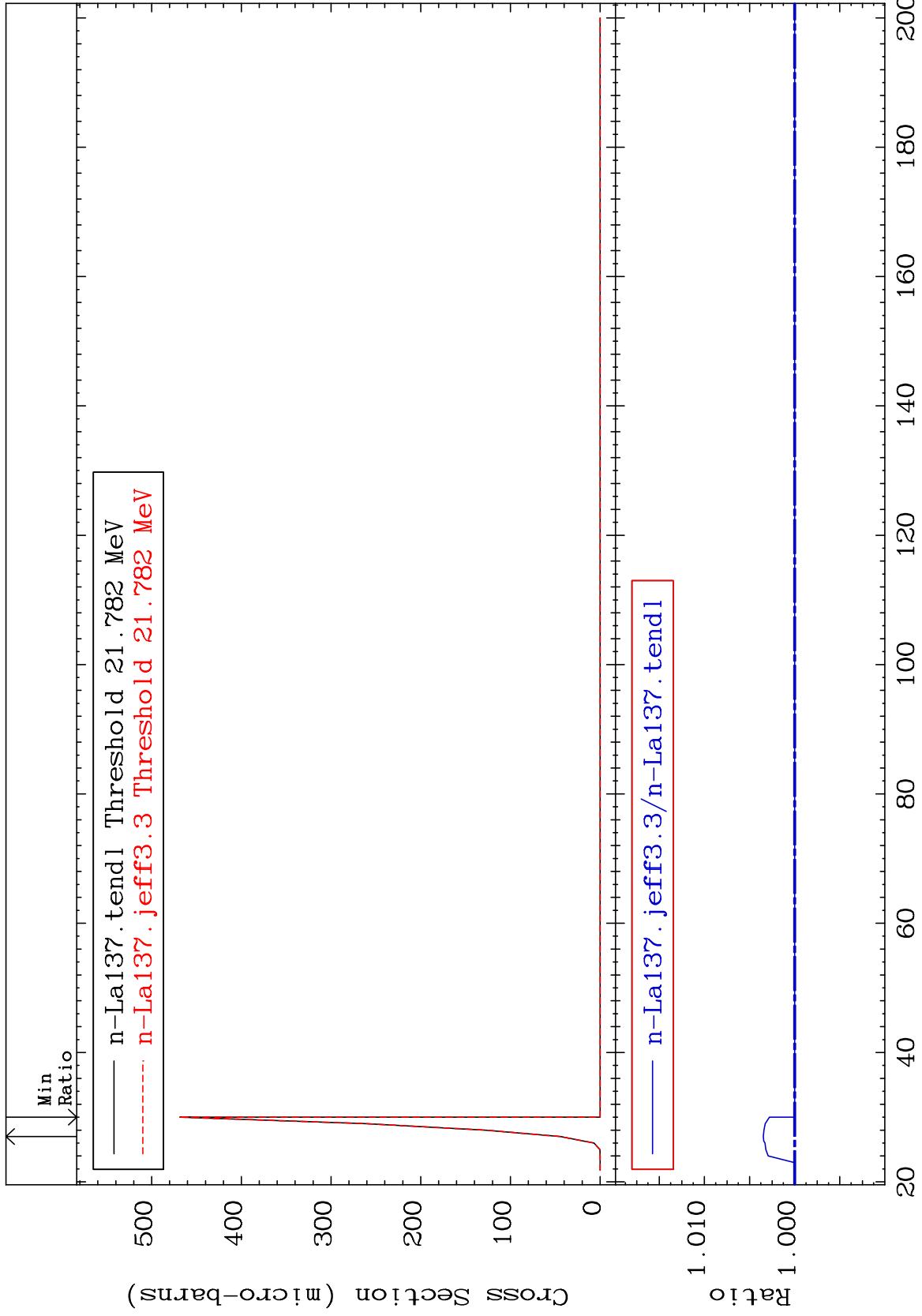
57-La-137
To 0.175 %

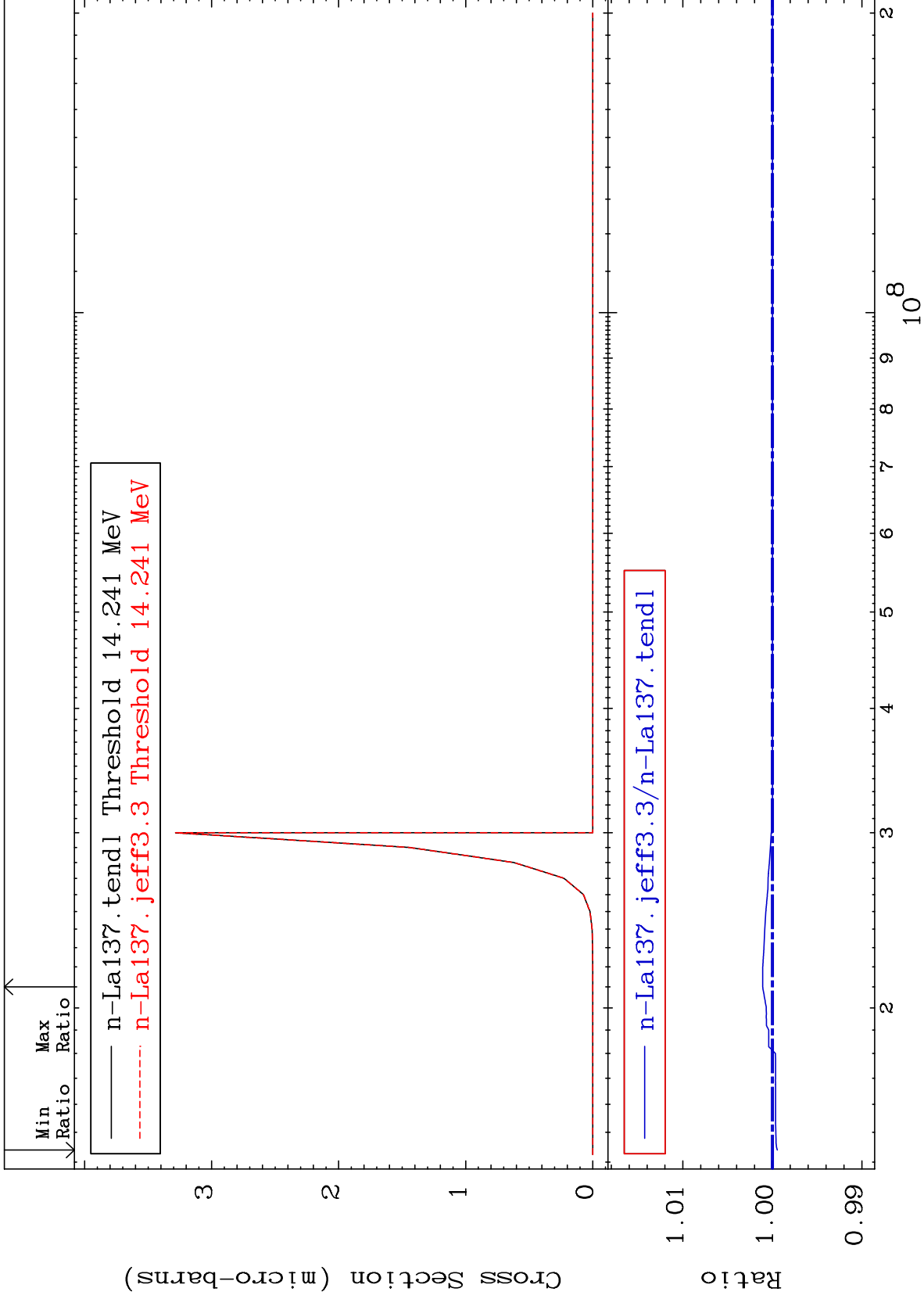


MAT 5722

(n,3n) p
Cross Section

57-La-137
To 0.347 %

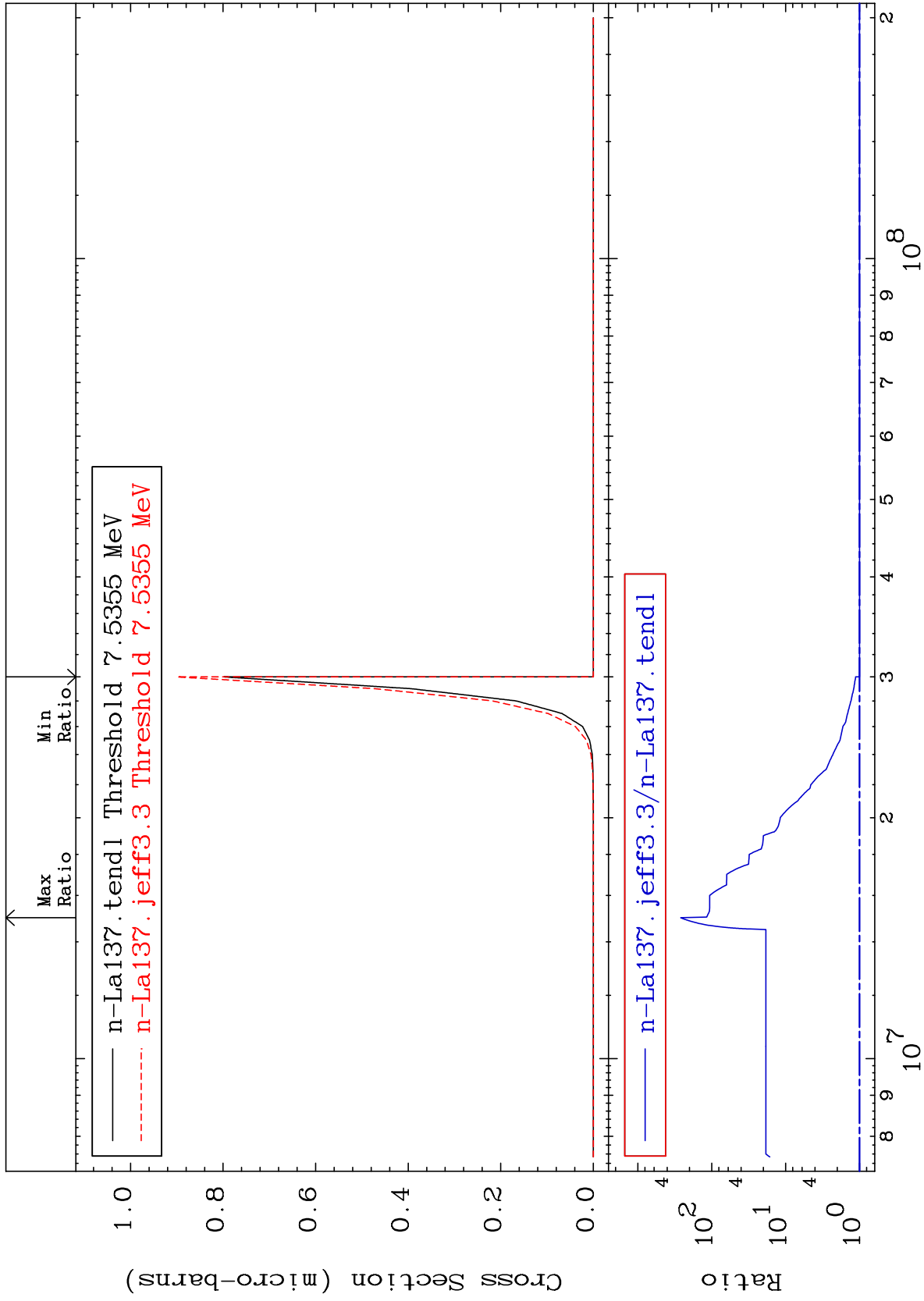




MAT 5722

(n,n') p α
Cross Section

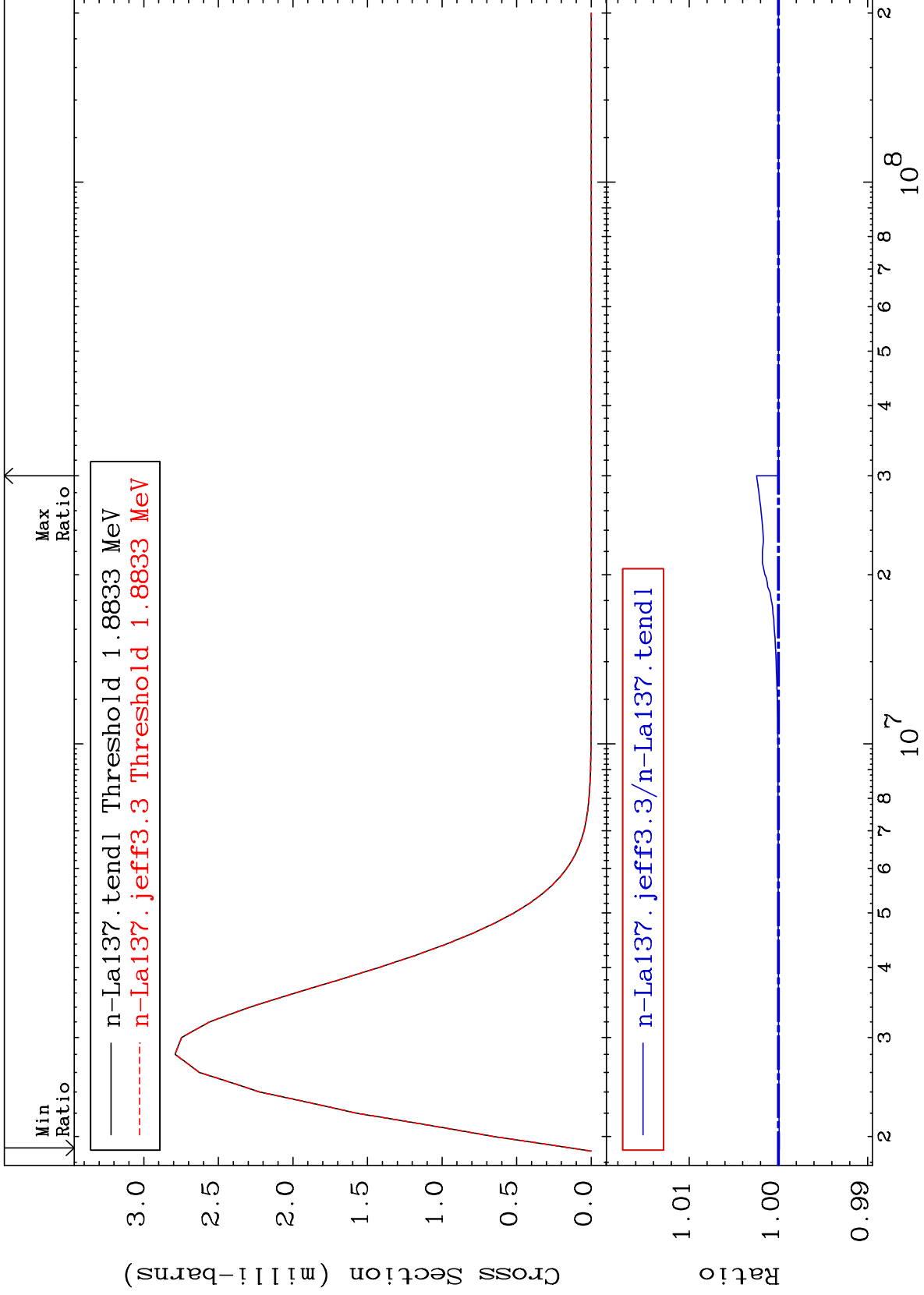
57-La-137
To 9999. %
0.000



MAT 5722

MT= 76 (n,n') Level
Cross Section

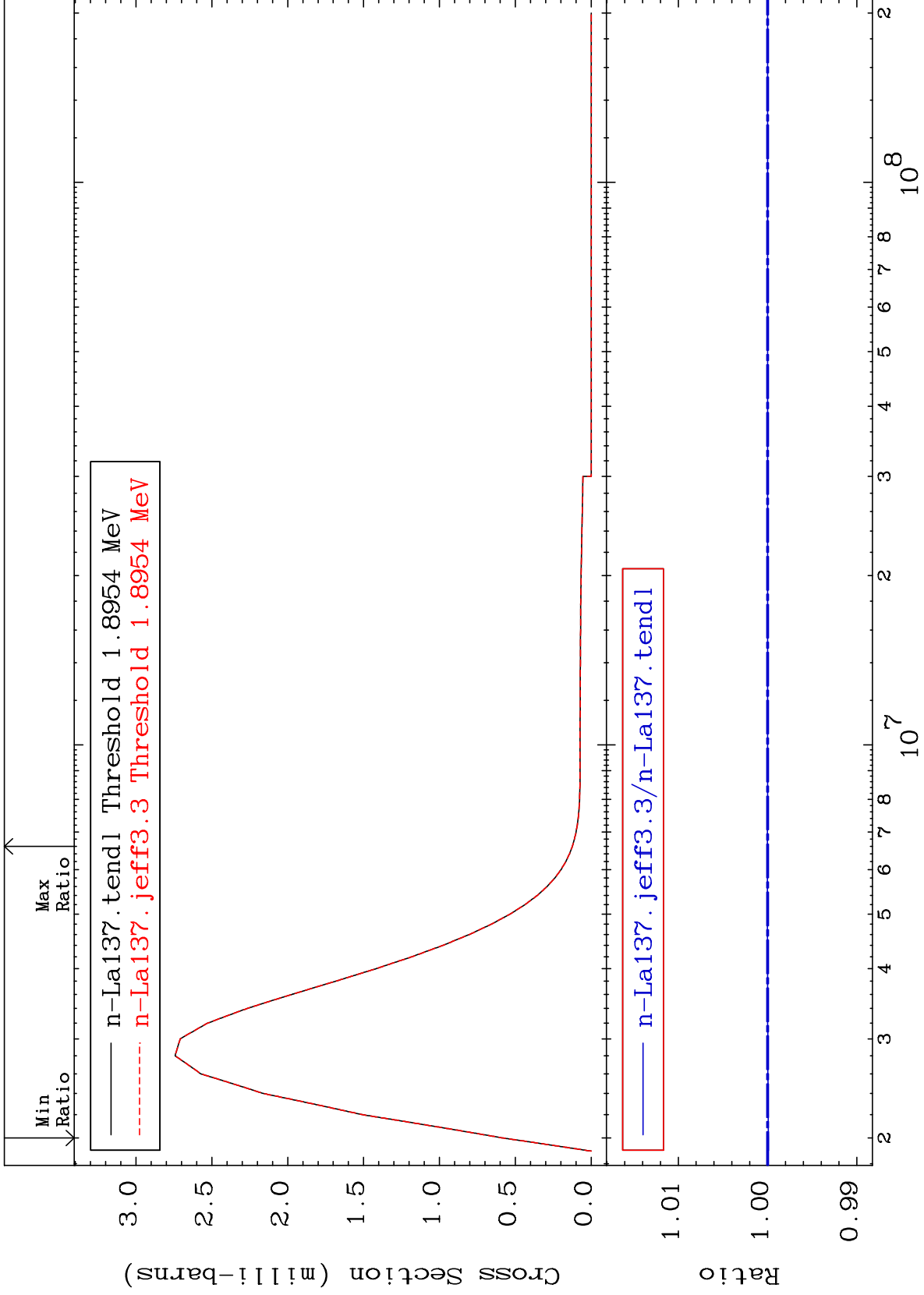
57-La-137
-0.010 To 0.244 %

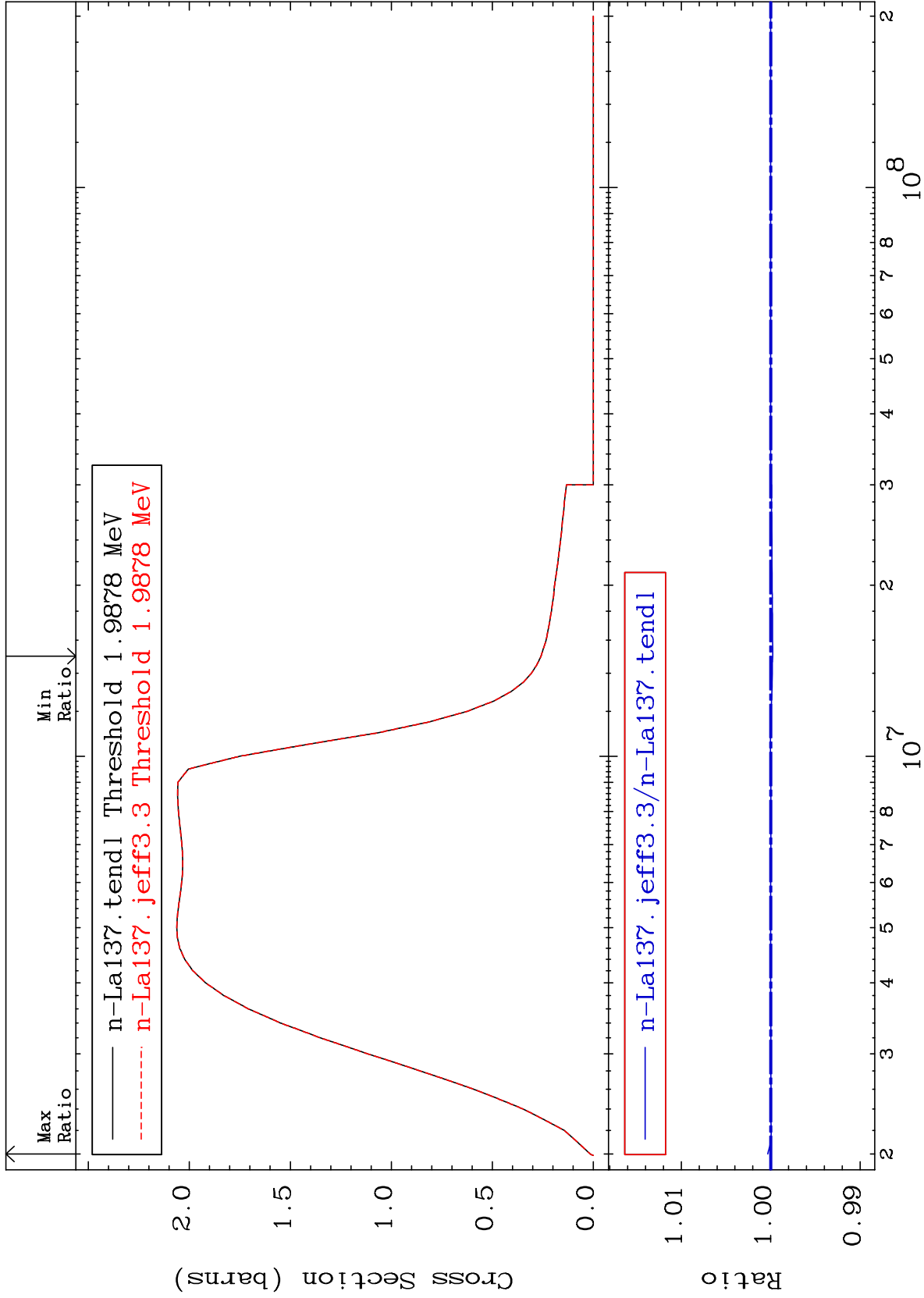


MAT 5722

MT= 77 (n,n') Level
Cross Section

57-La-137
-0.010 To 0.002 %

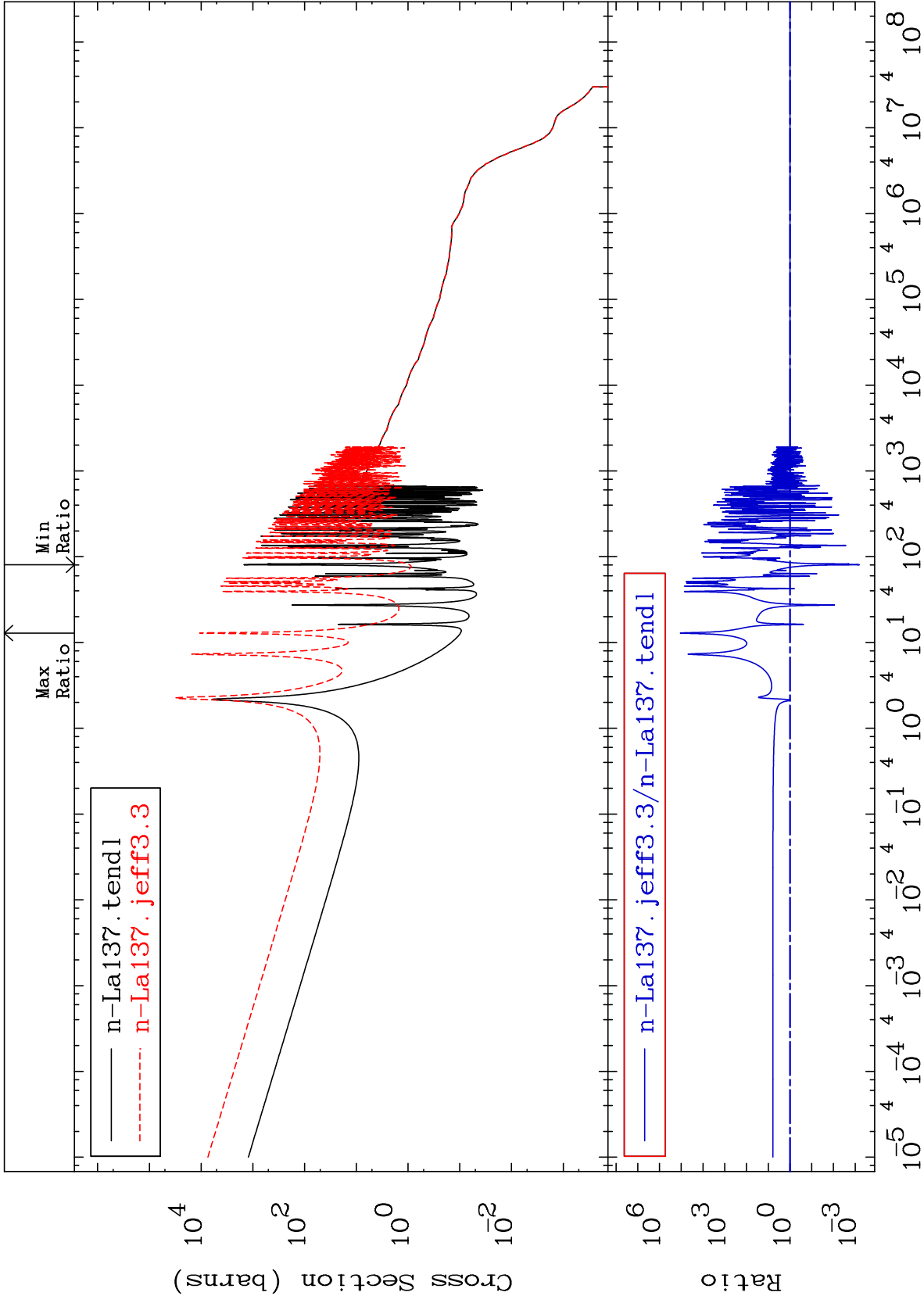




MAT 5722

(n, γ)
Cross Section

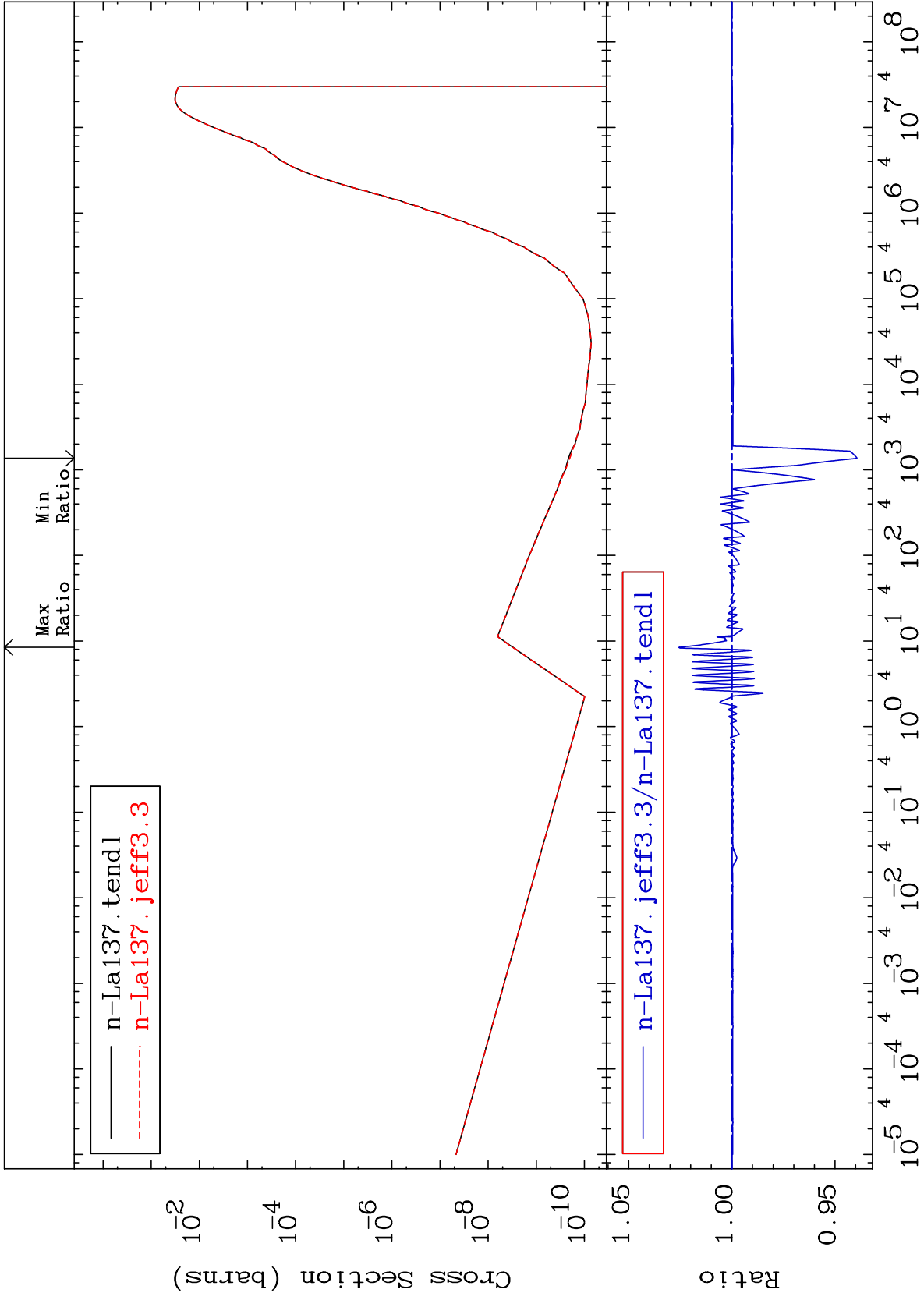
57-La-137
-99.94 To 9999. %



MAT 5722

(n,p)
Cross Section

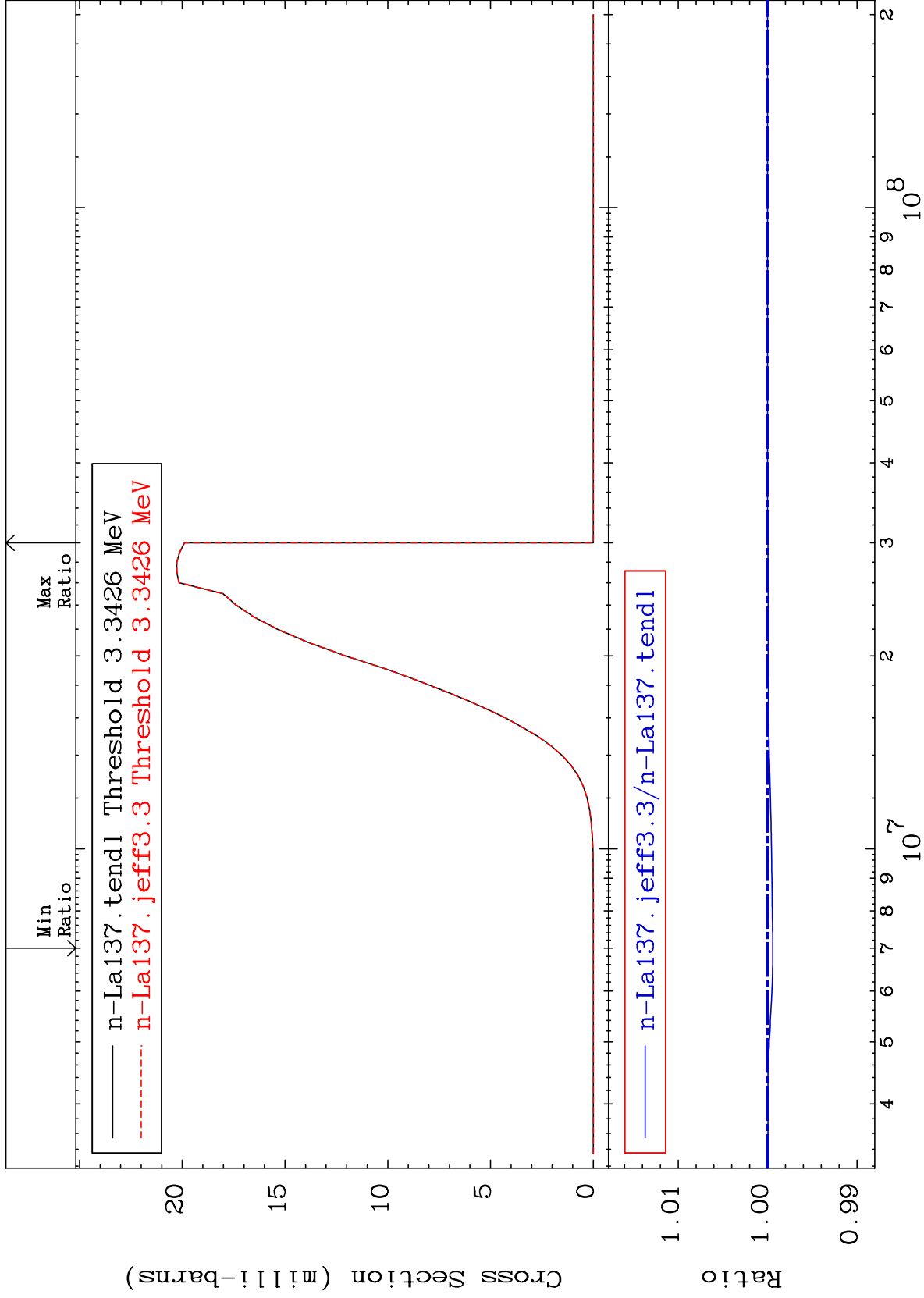
57-La-137
-6.077 To 2.581 %



MAT 5722

57-La-137

(n, d)
Cross Section
-0.058 To 0.000 %



25

Incident Energy (eV)

57-La-137

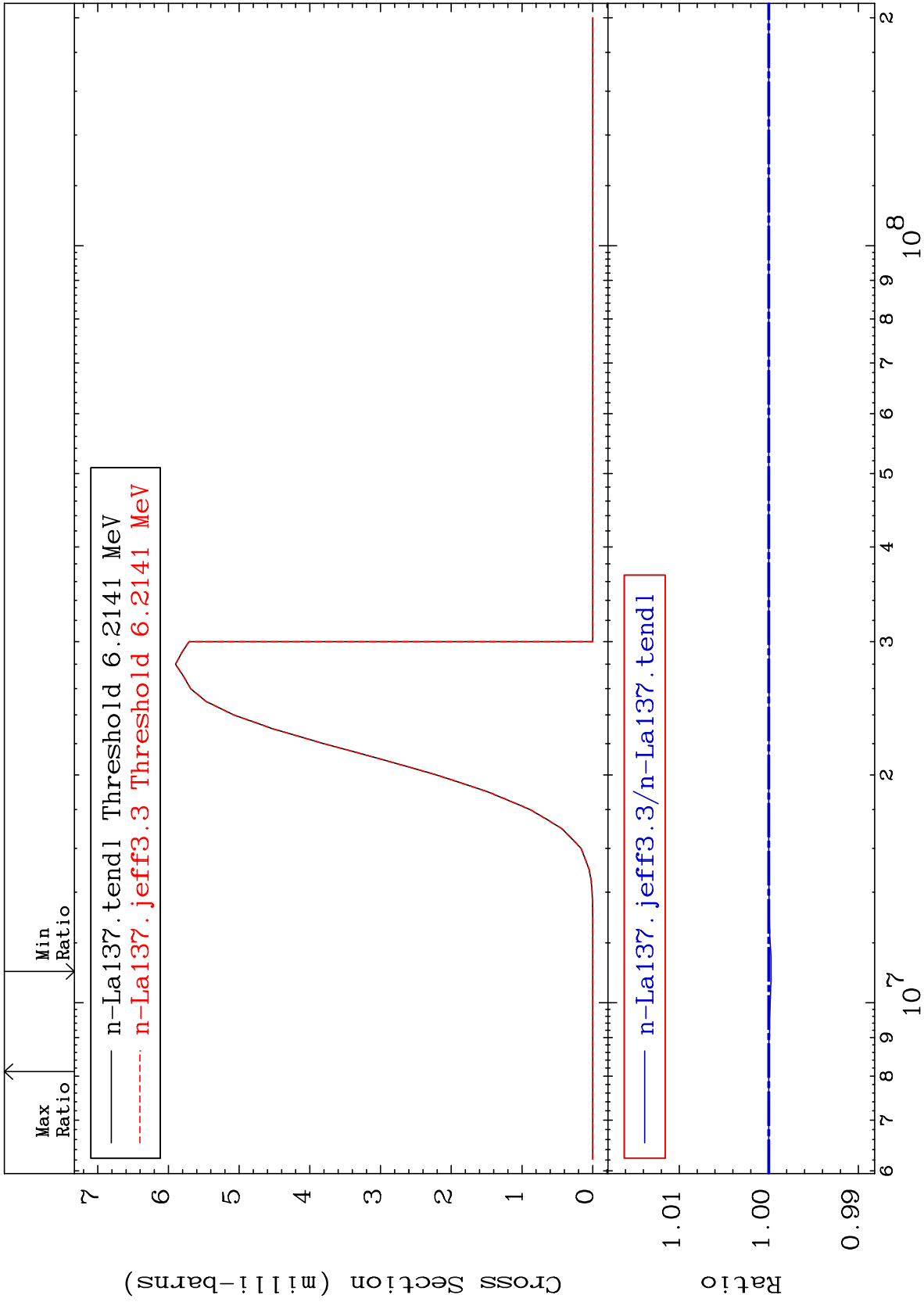
MAT 5722

(n, t)

57-La-137

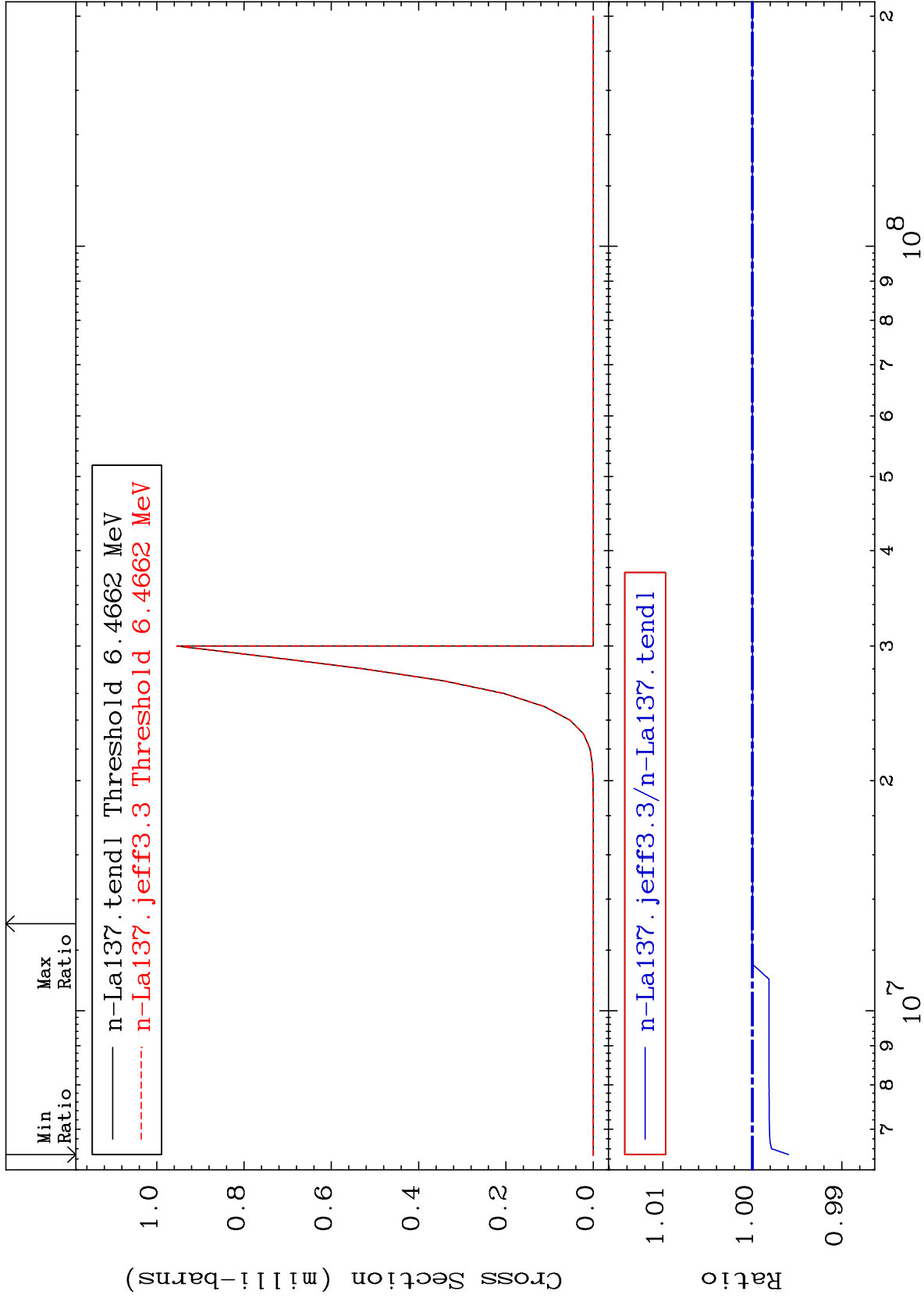
Cross Section

-0.026 To 0.000 %



Cross Section

-0.405 To 0.007 %



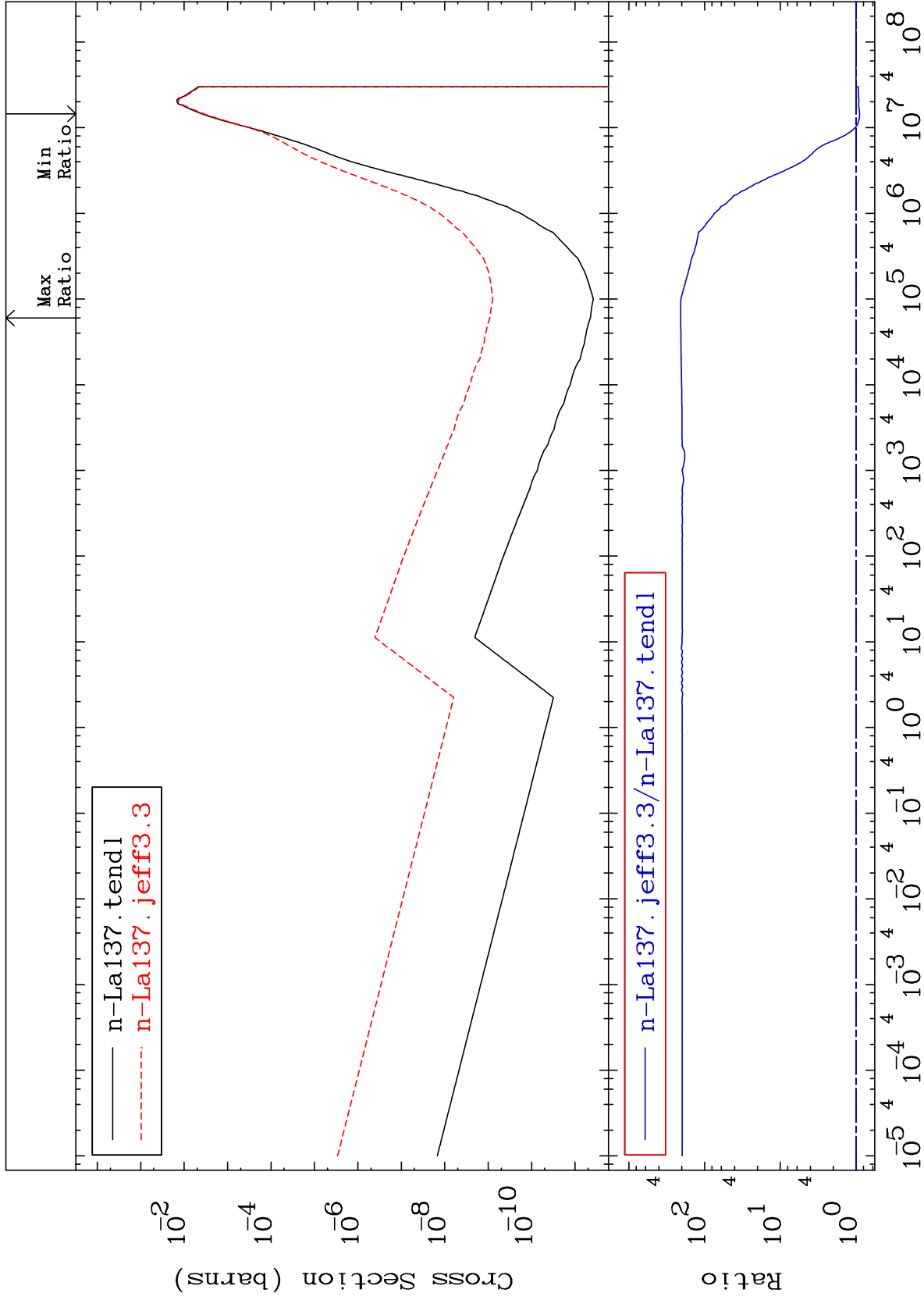
MAT 5722

(n, α)

57-La-137

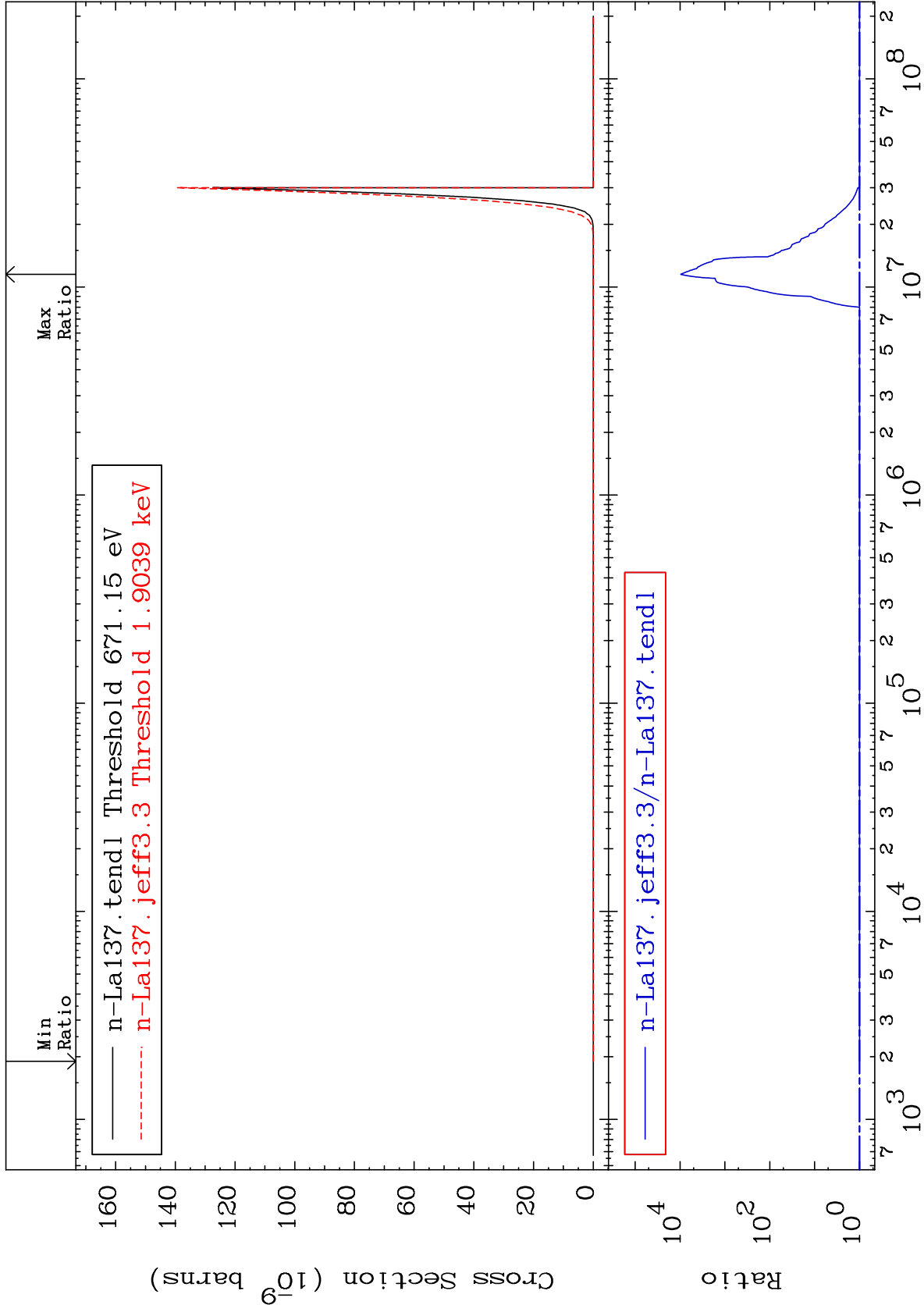
Cross Section

-9.932 To 9999. %



Cross Section

0.000 To 9999. %



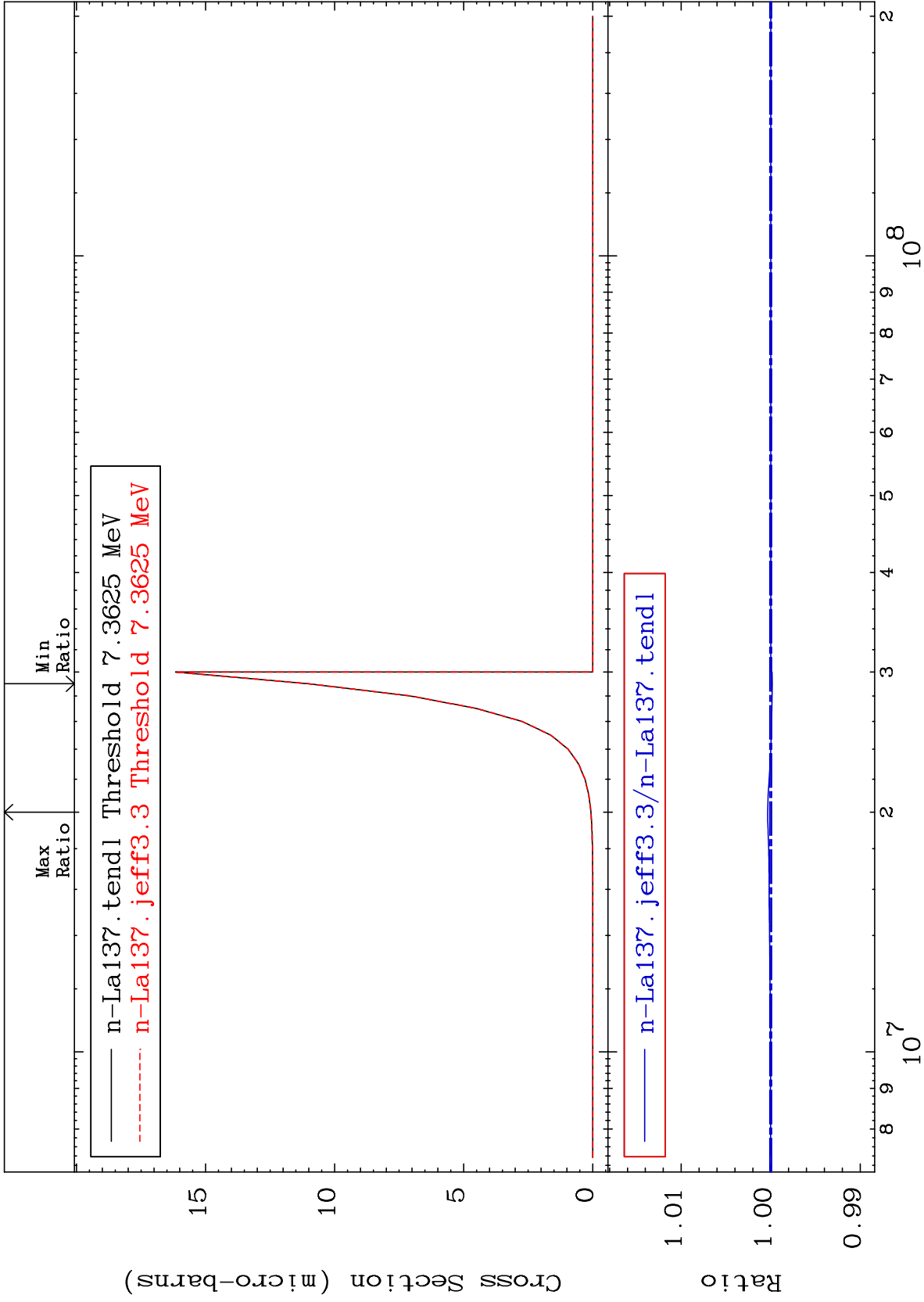
MAT 5722

(n,2p)

57-La-137

Cross Section

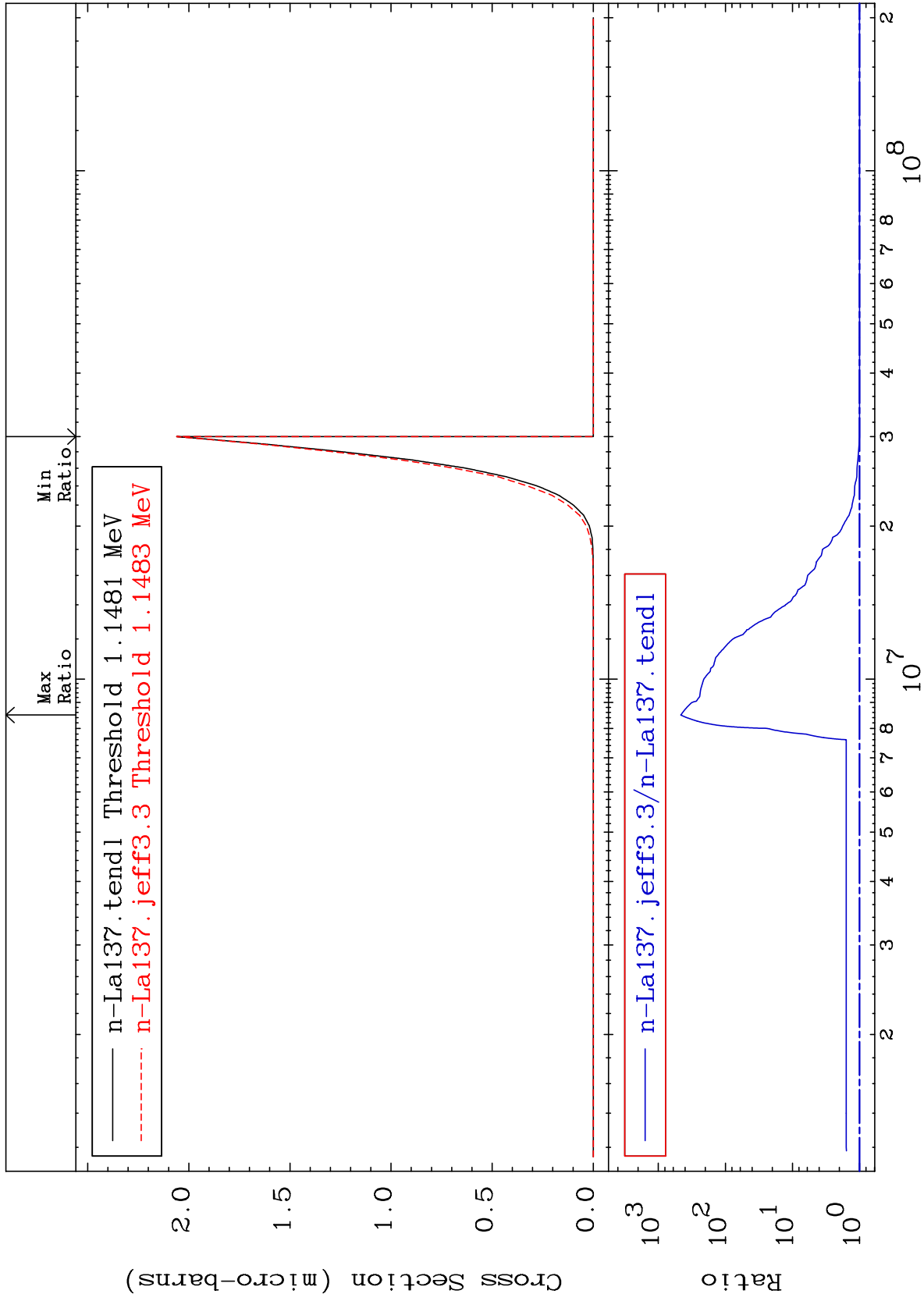
-0.016 To 0.035 %

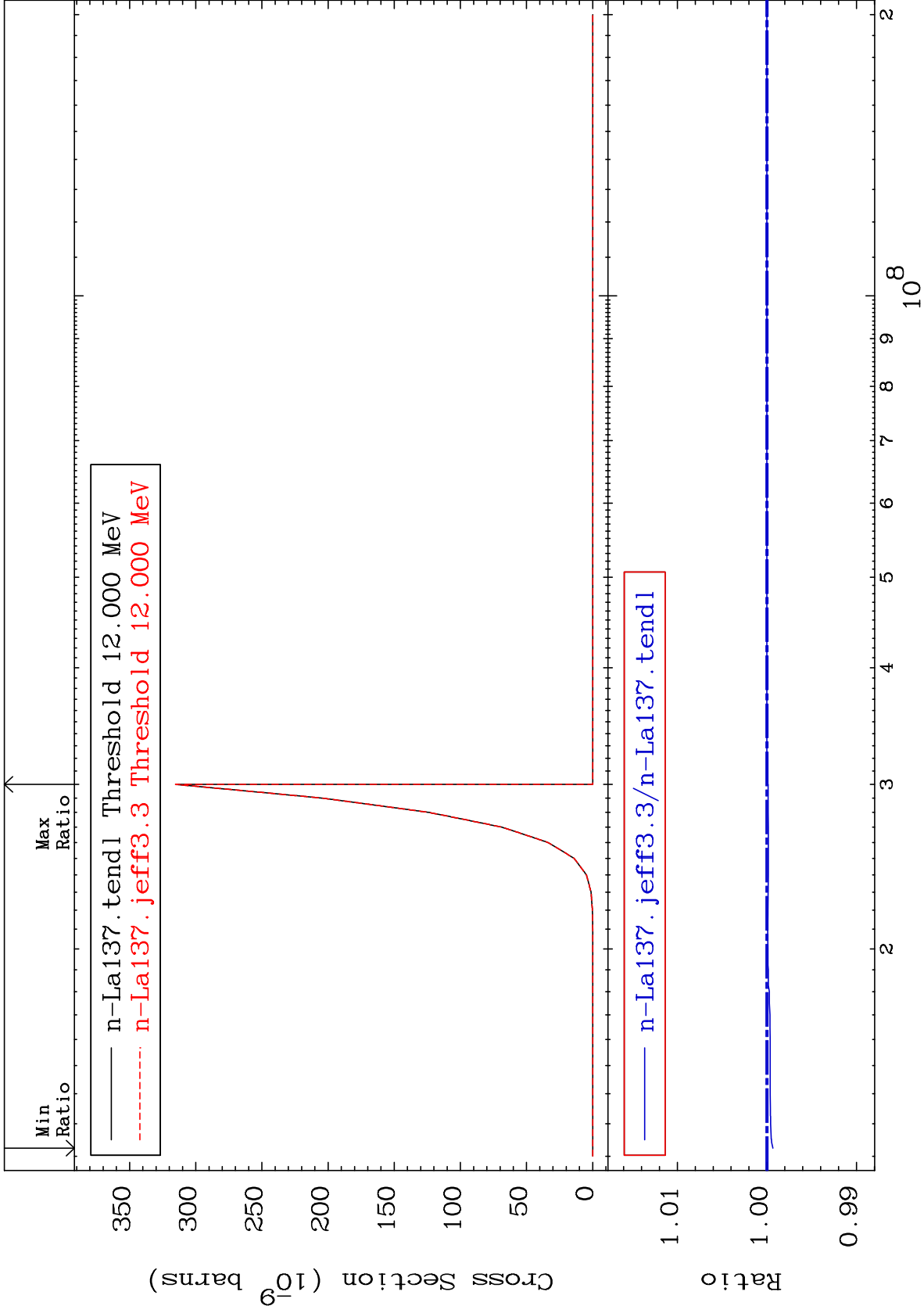


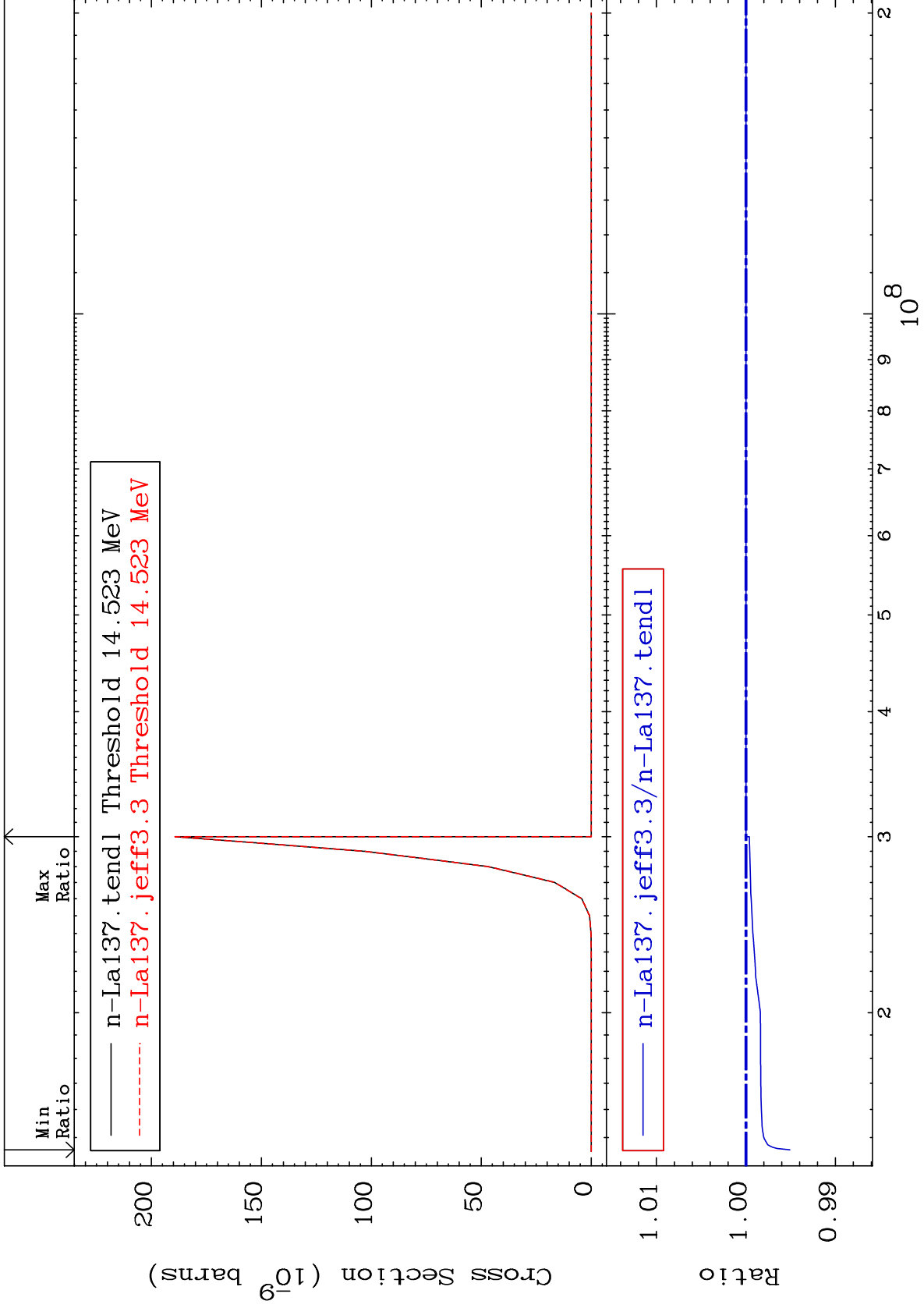
30

Incident Energy (eV)

57-La-137

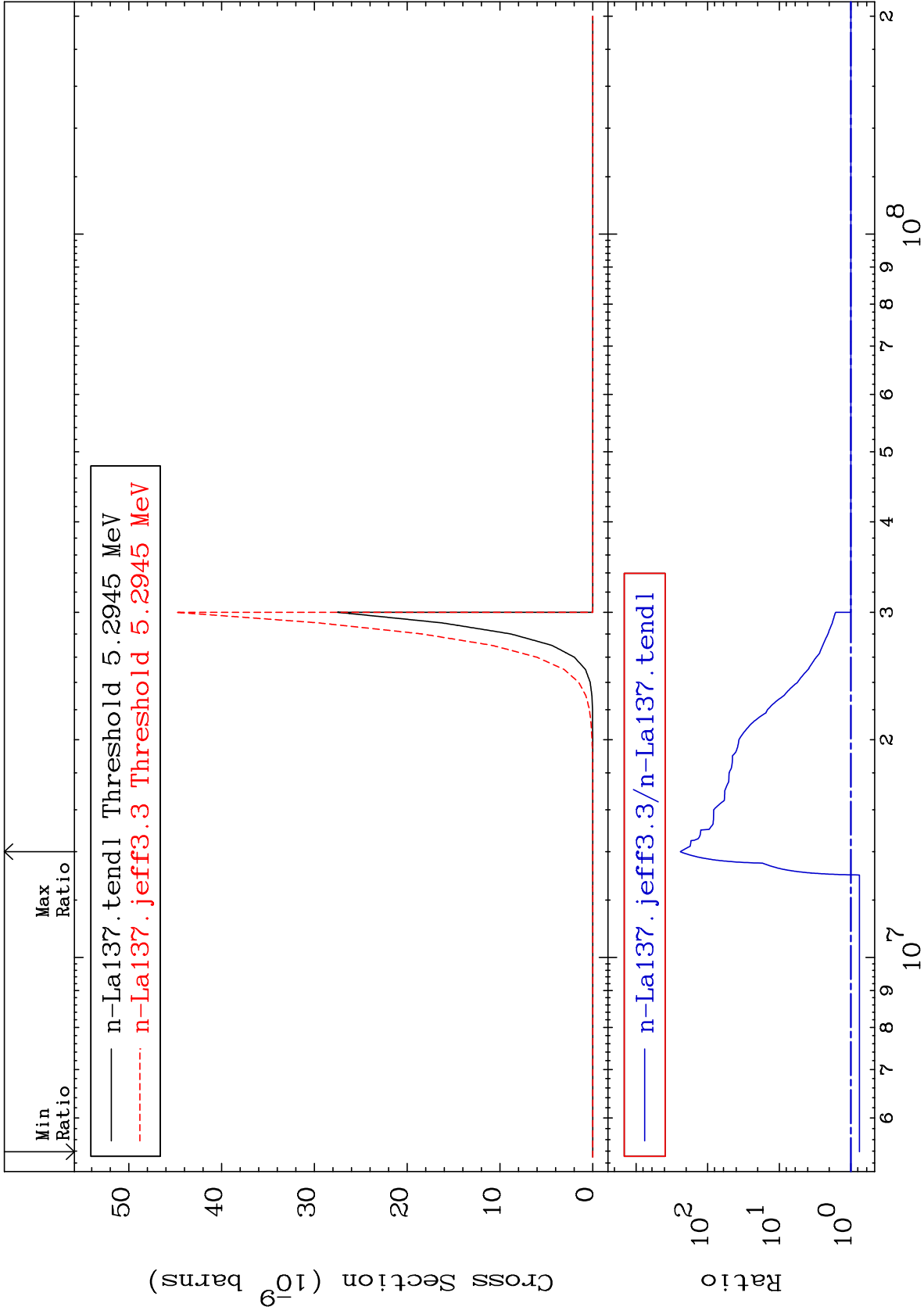






Cross Section

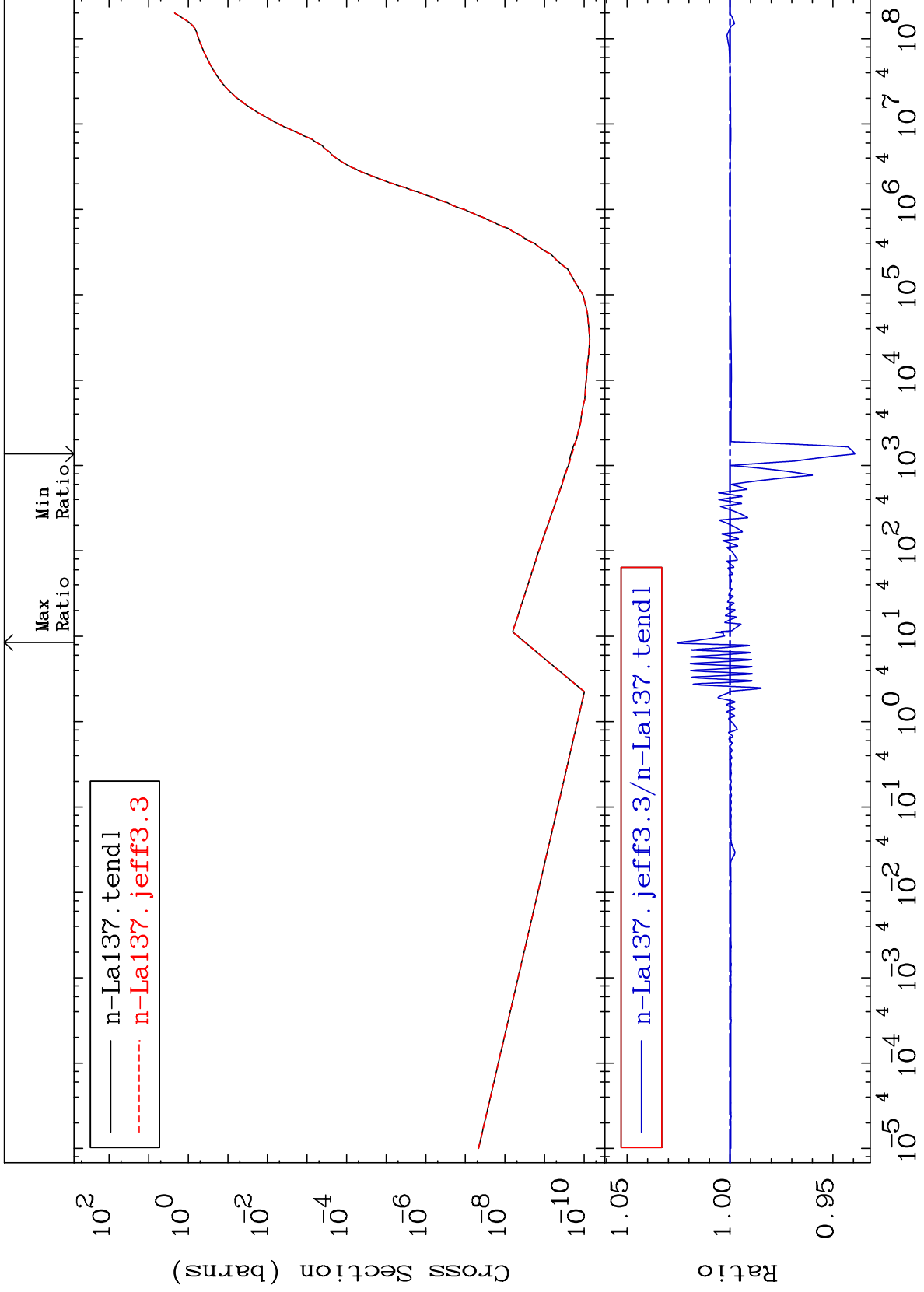
-24.12 To 9999. %



MAT 5722

Hydrogen Production
Cross Section

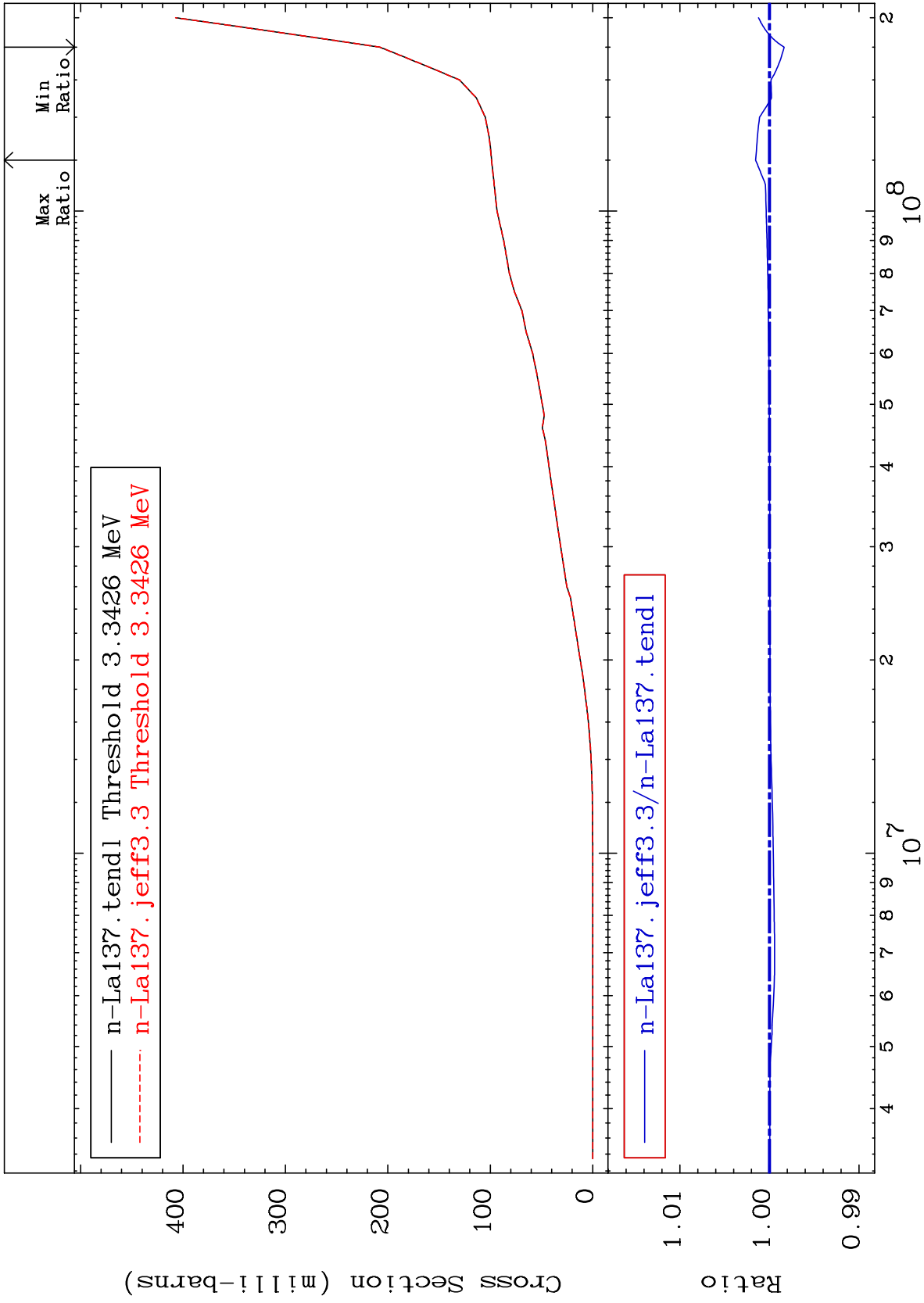
57-La-137
-6.077 To 2.581 %



35

Incident Energy (eV)

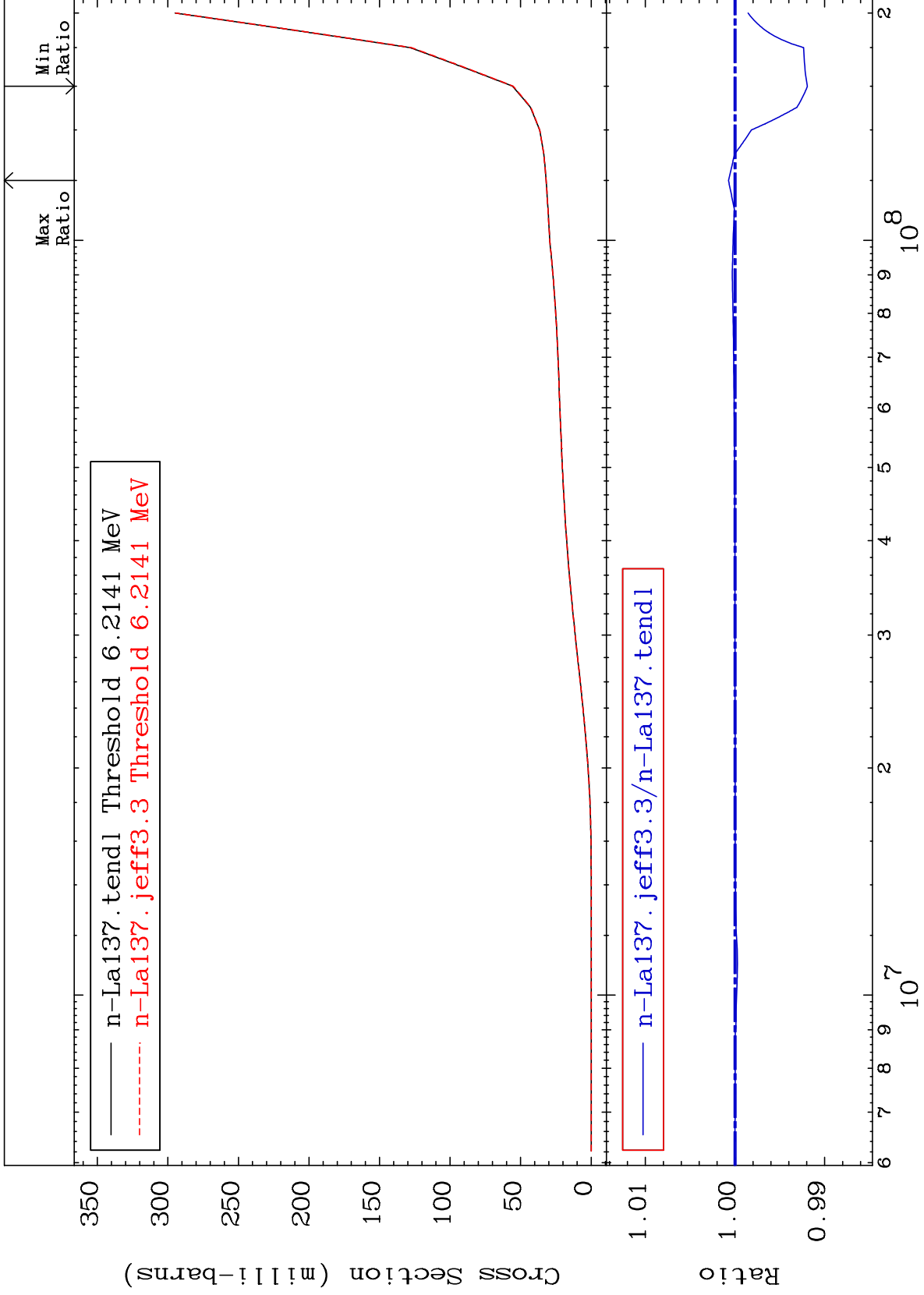
57-La-137



MAT 5722

Tritium Production
Cross Section

57-La-137
-0.807 To 0.073 %



37

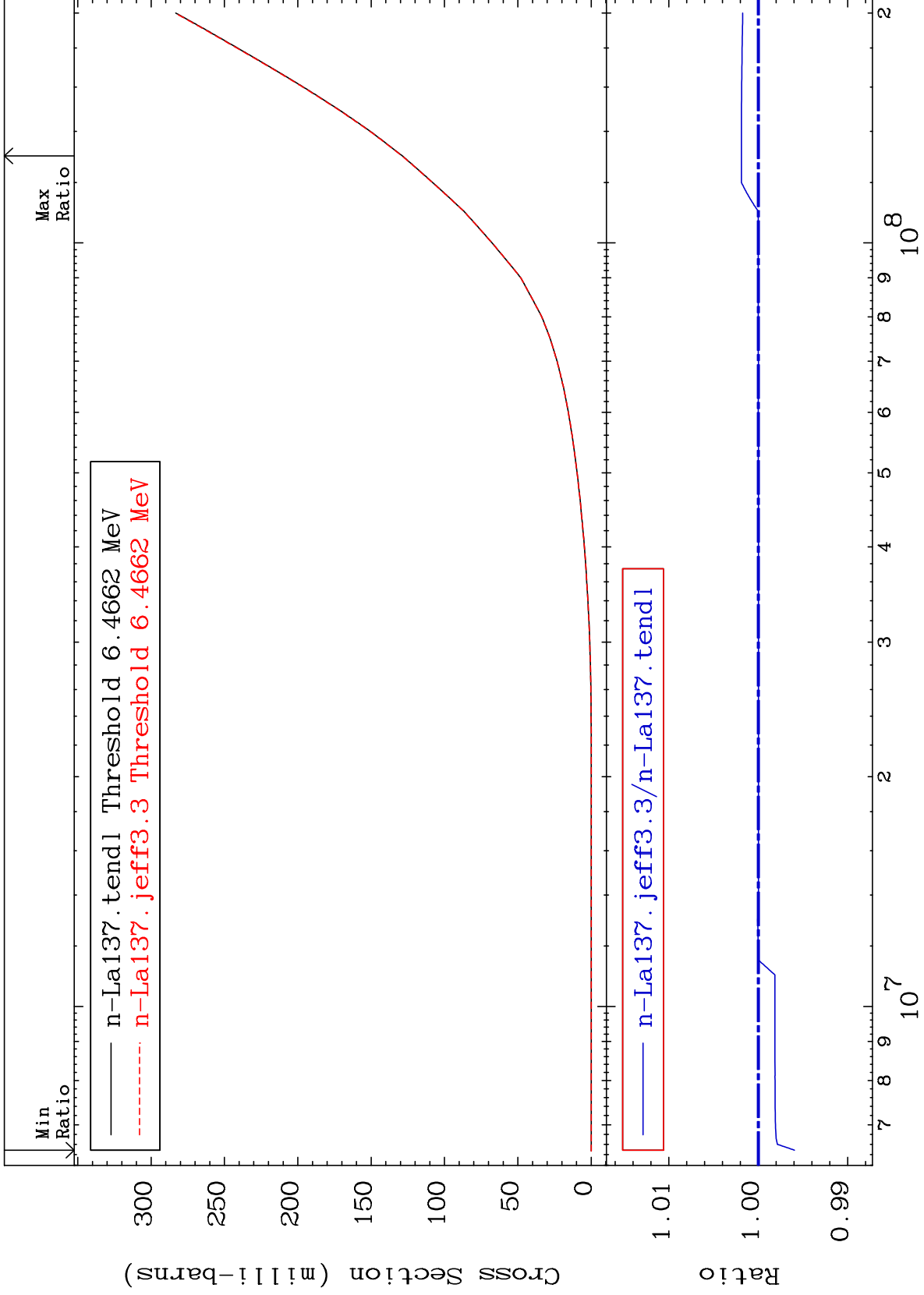
Incident Energy (eV)

57-La-137

MAT 5722

He-3 Production
Cross Section

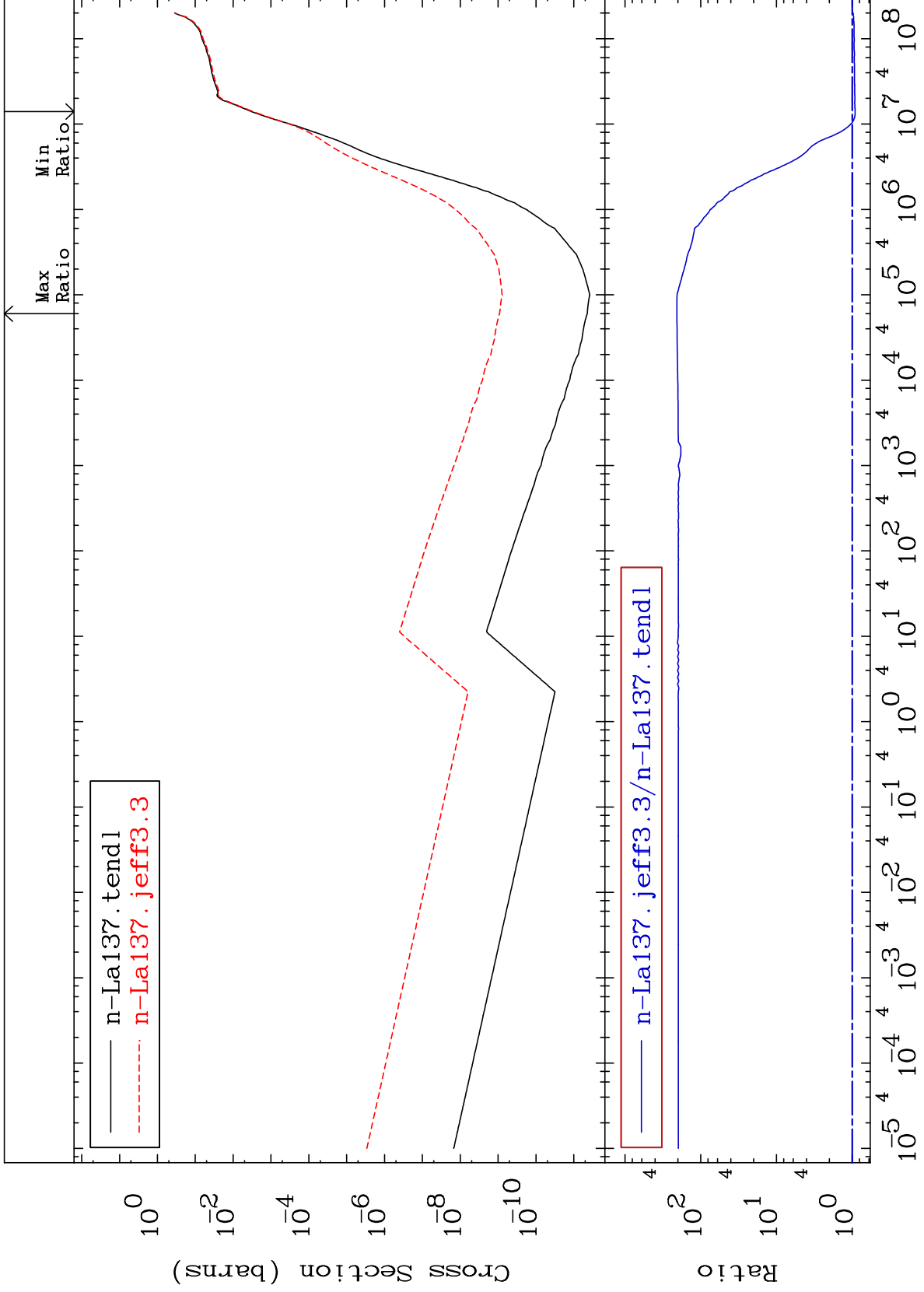
57-La-137
-0.405 To 0.189 %

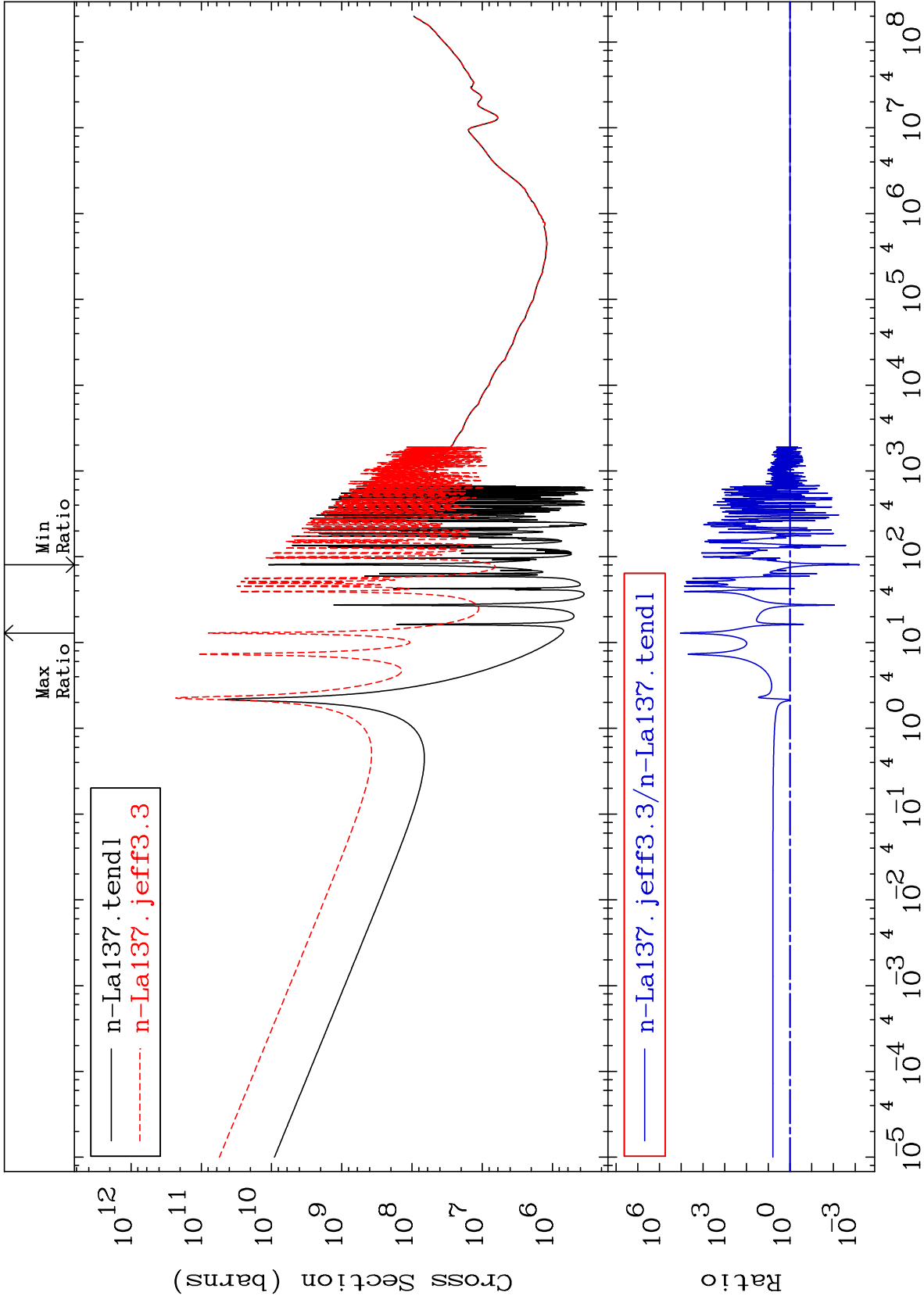


MAT 5722

He-4 Production
Cross Section

57-La-137
-8.712 To 9999. %

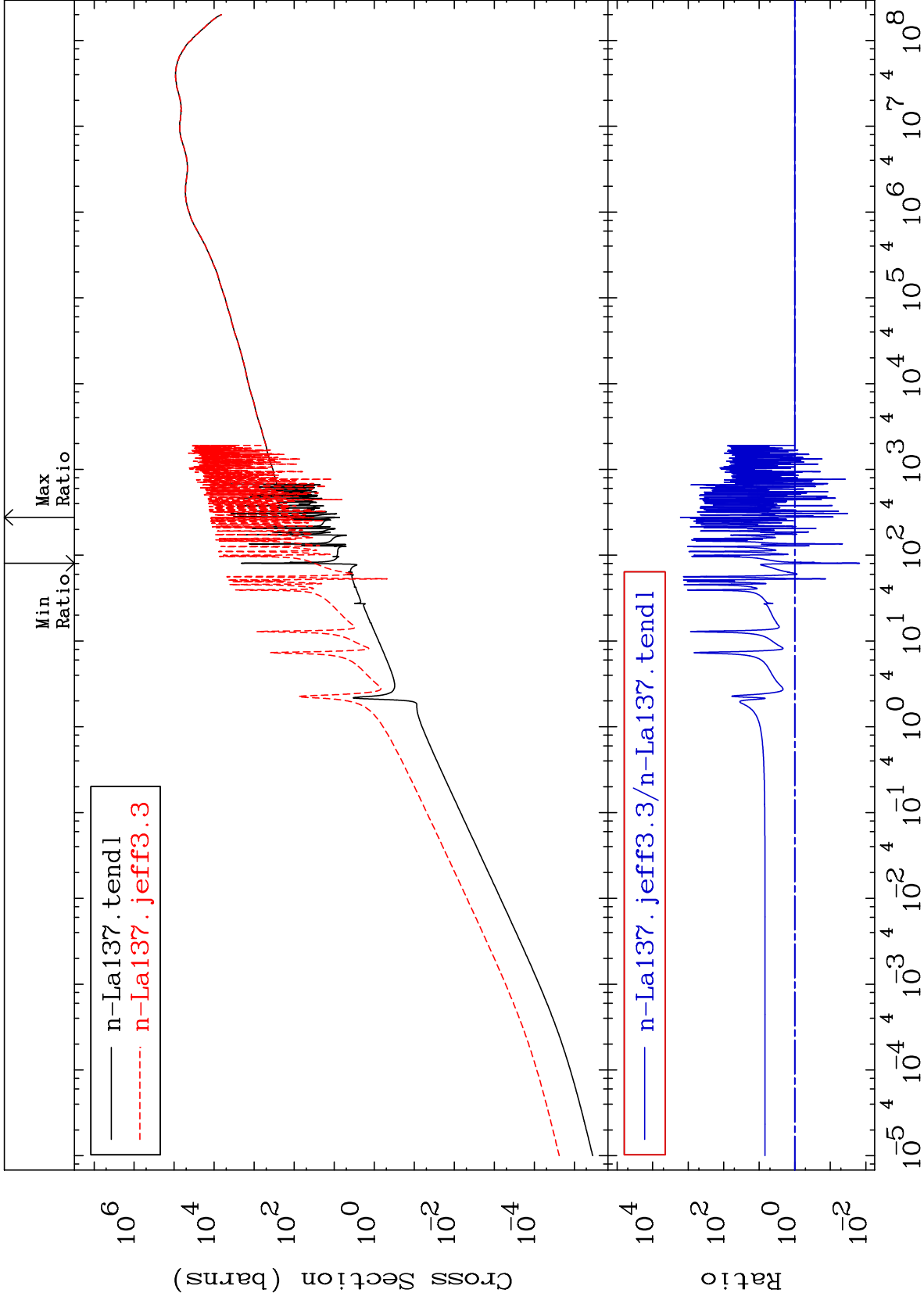




MAT 5722

Kerma elastic
Cross Section

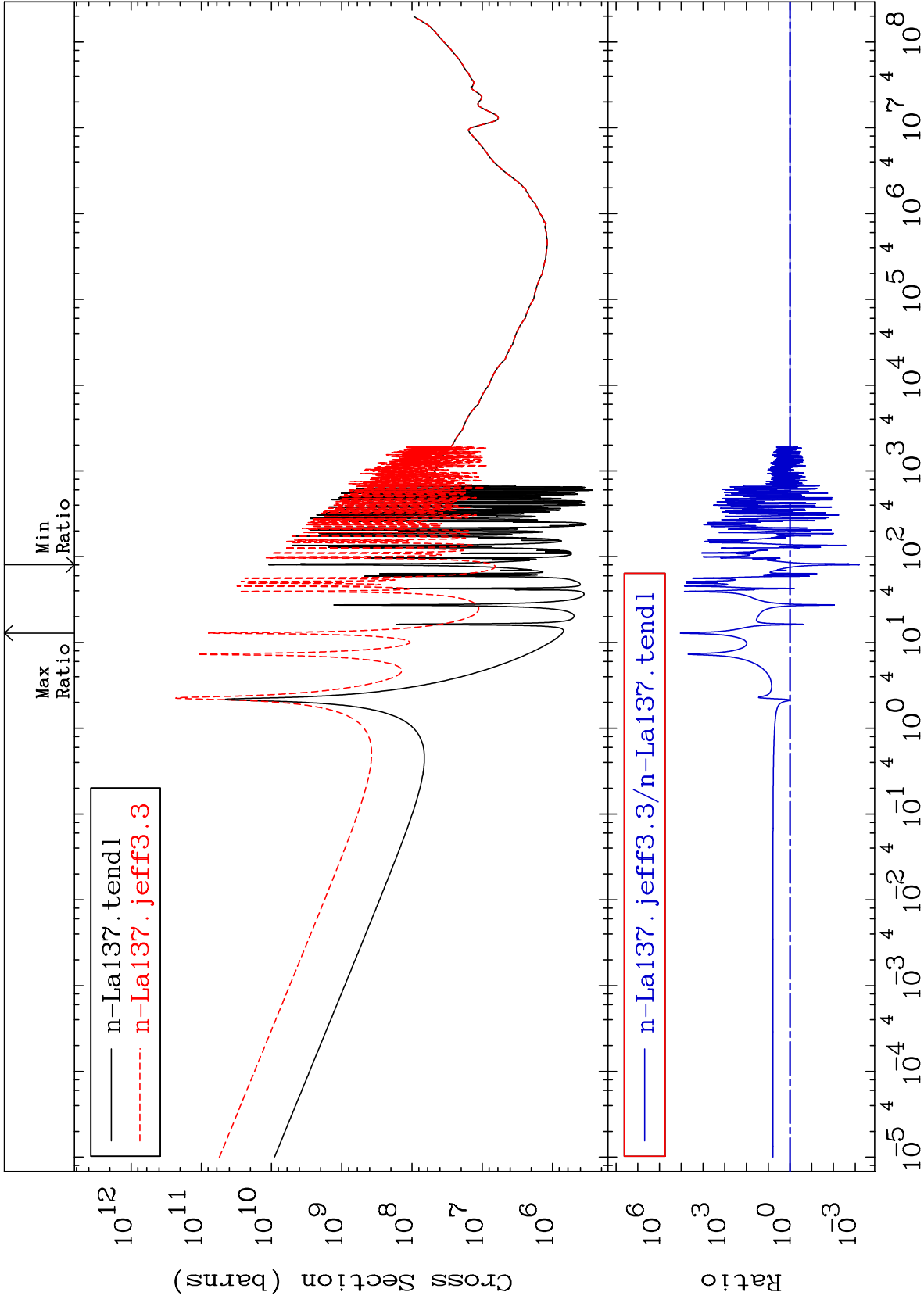
57-La-137
-98.49 To 9999. %

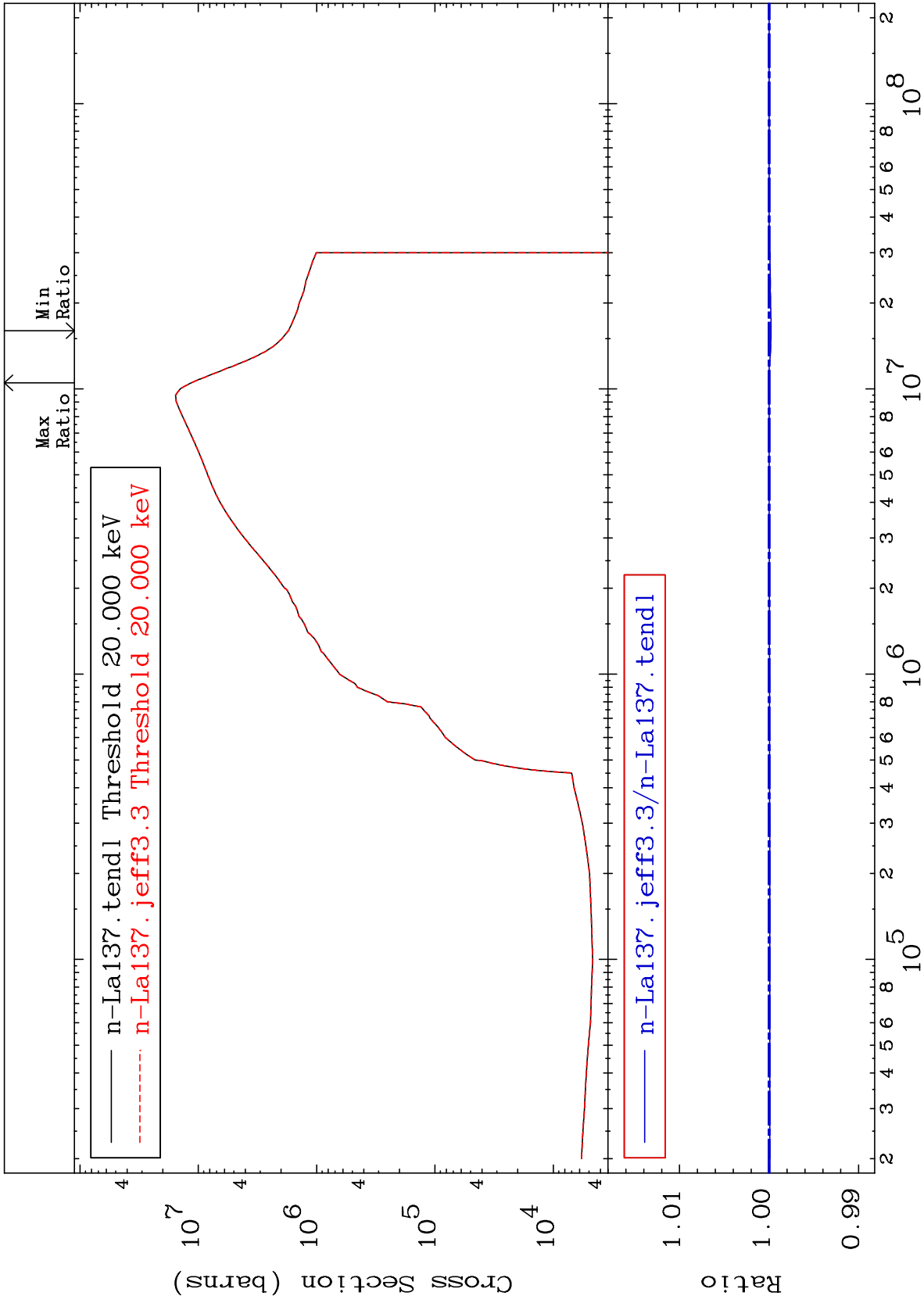


41

Incident Energy (eV)

57-La-137

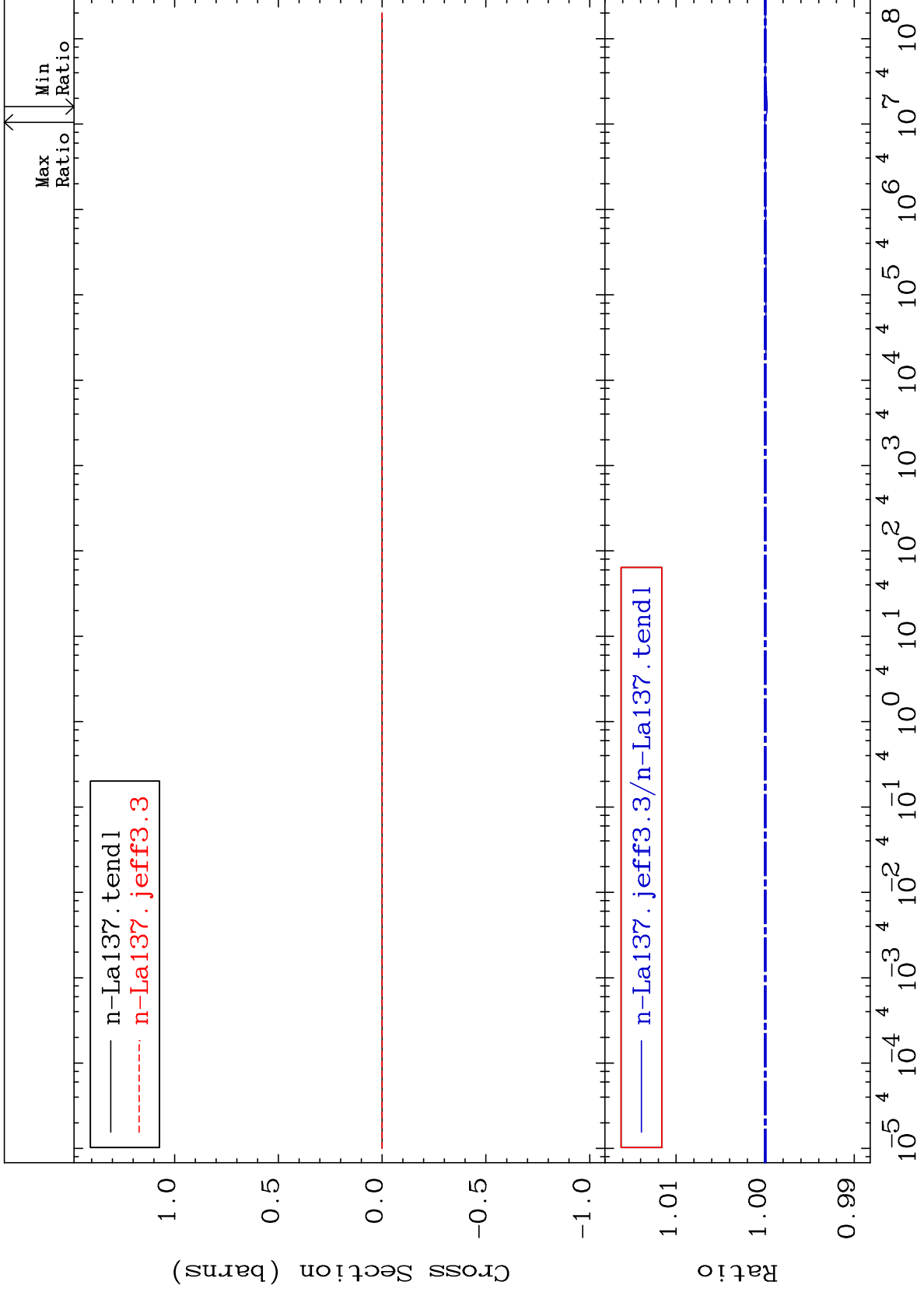


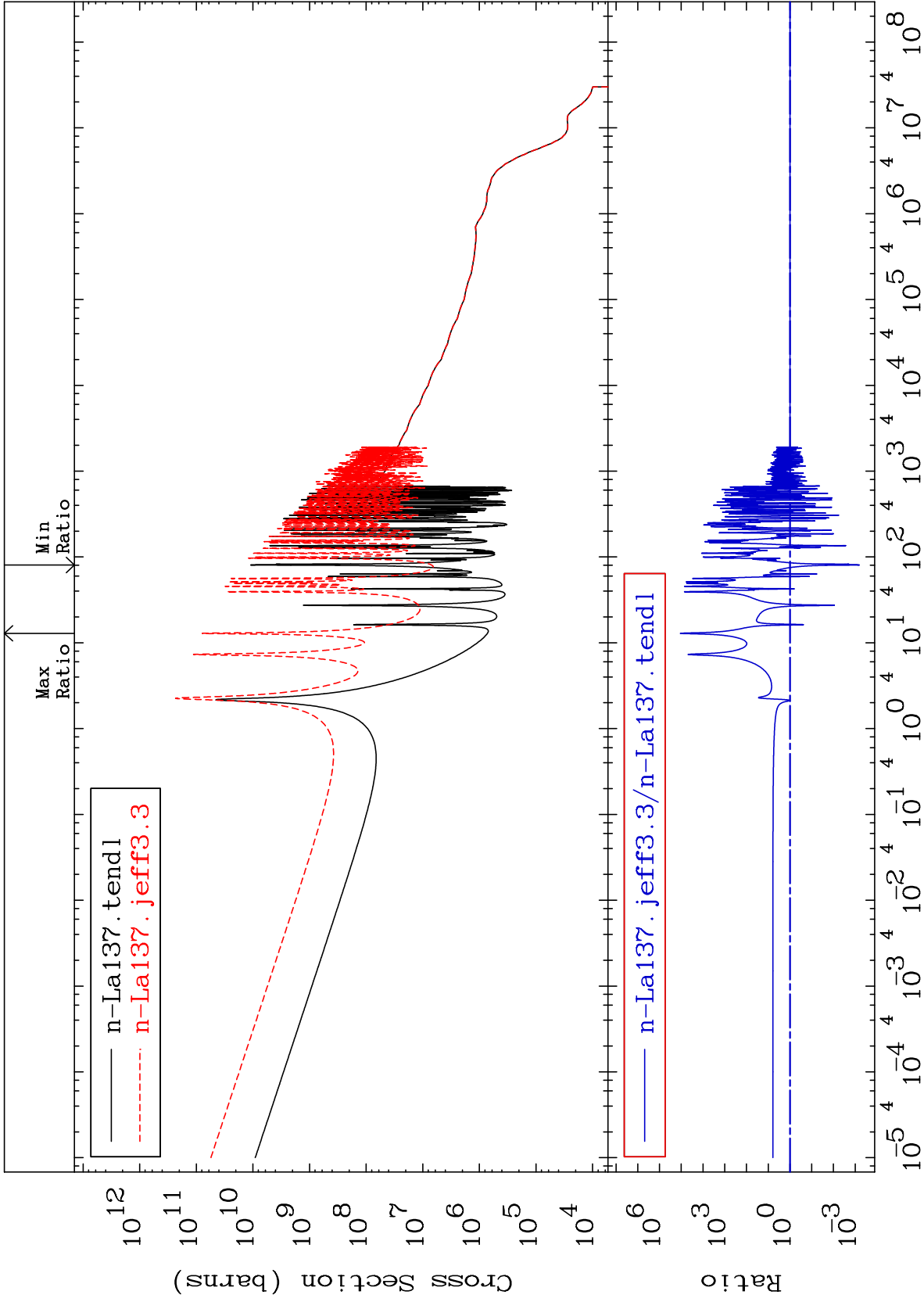


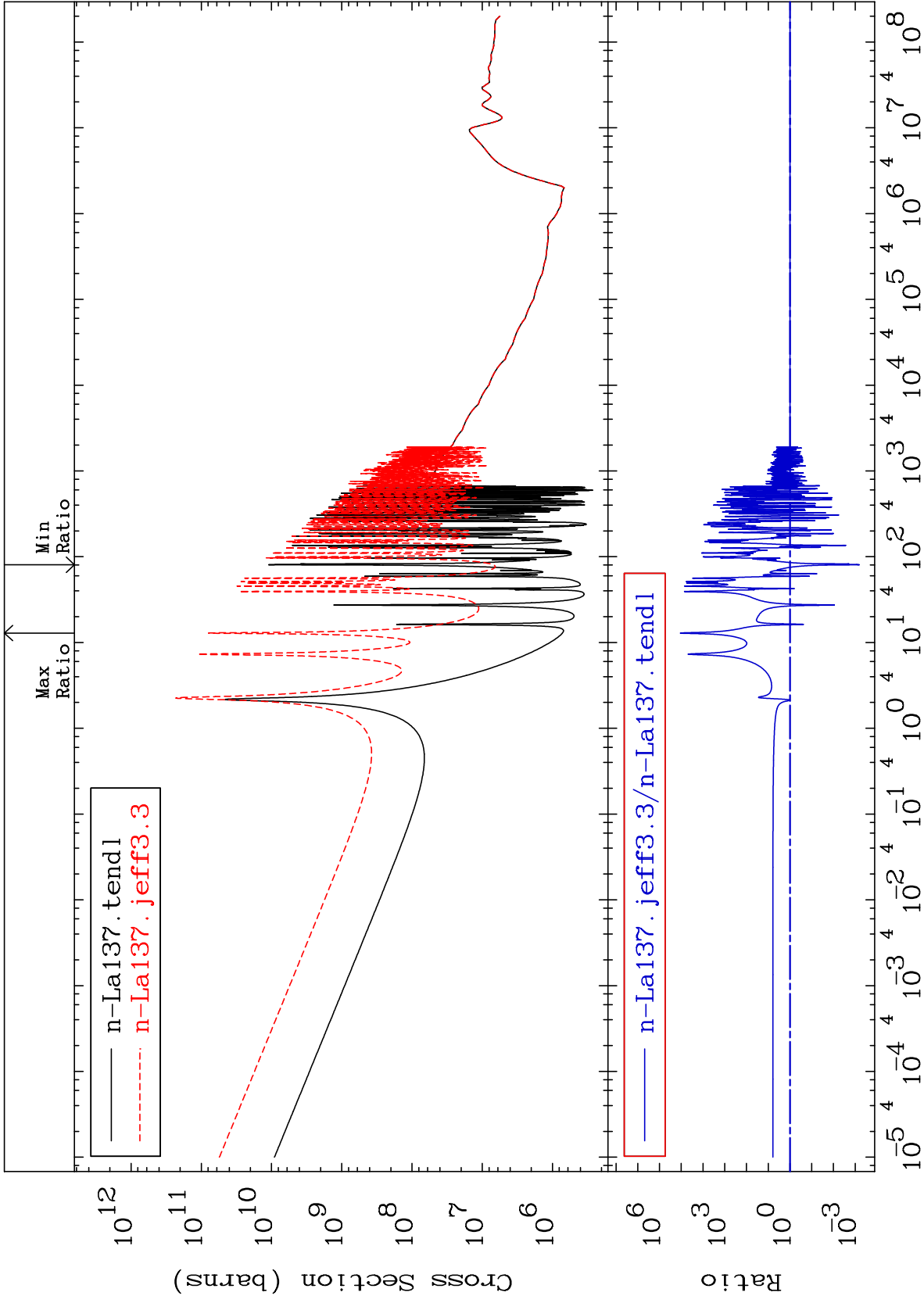
MAT 5722

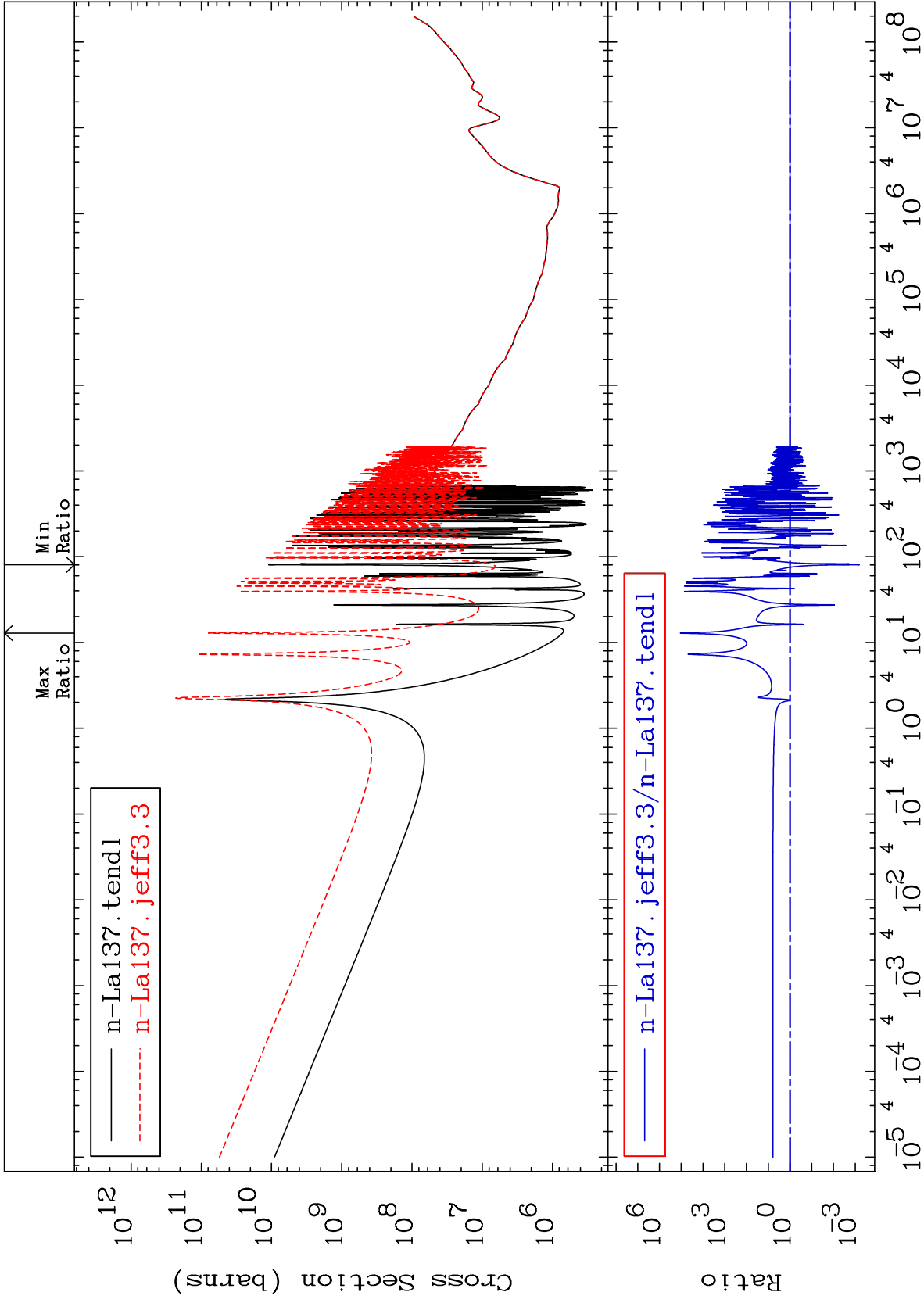
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

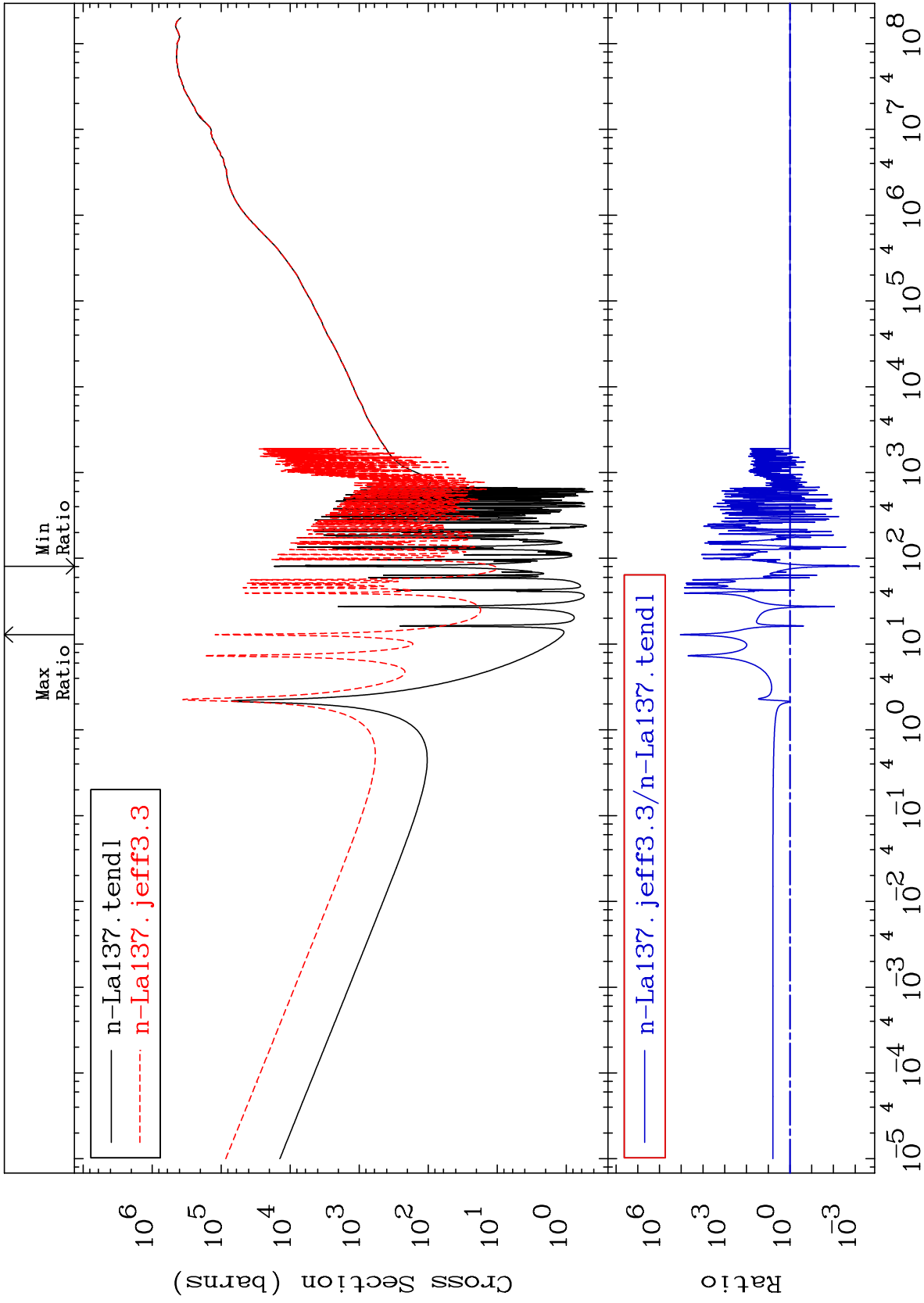
57-La-137
-0.022 To 0.004 %







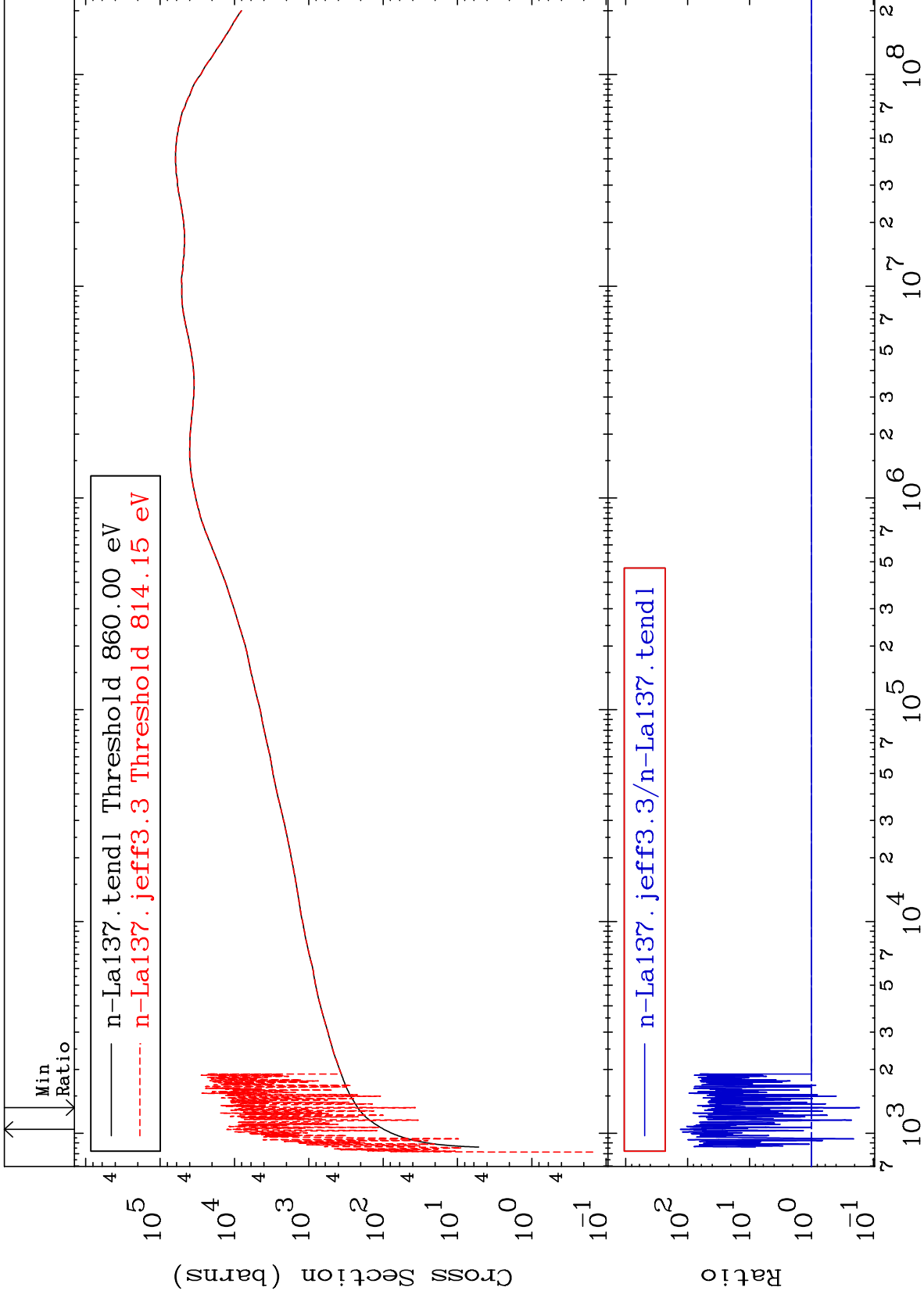




MAT 5722

Dpa elastic (mt2)
Cross Section

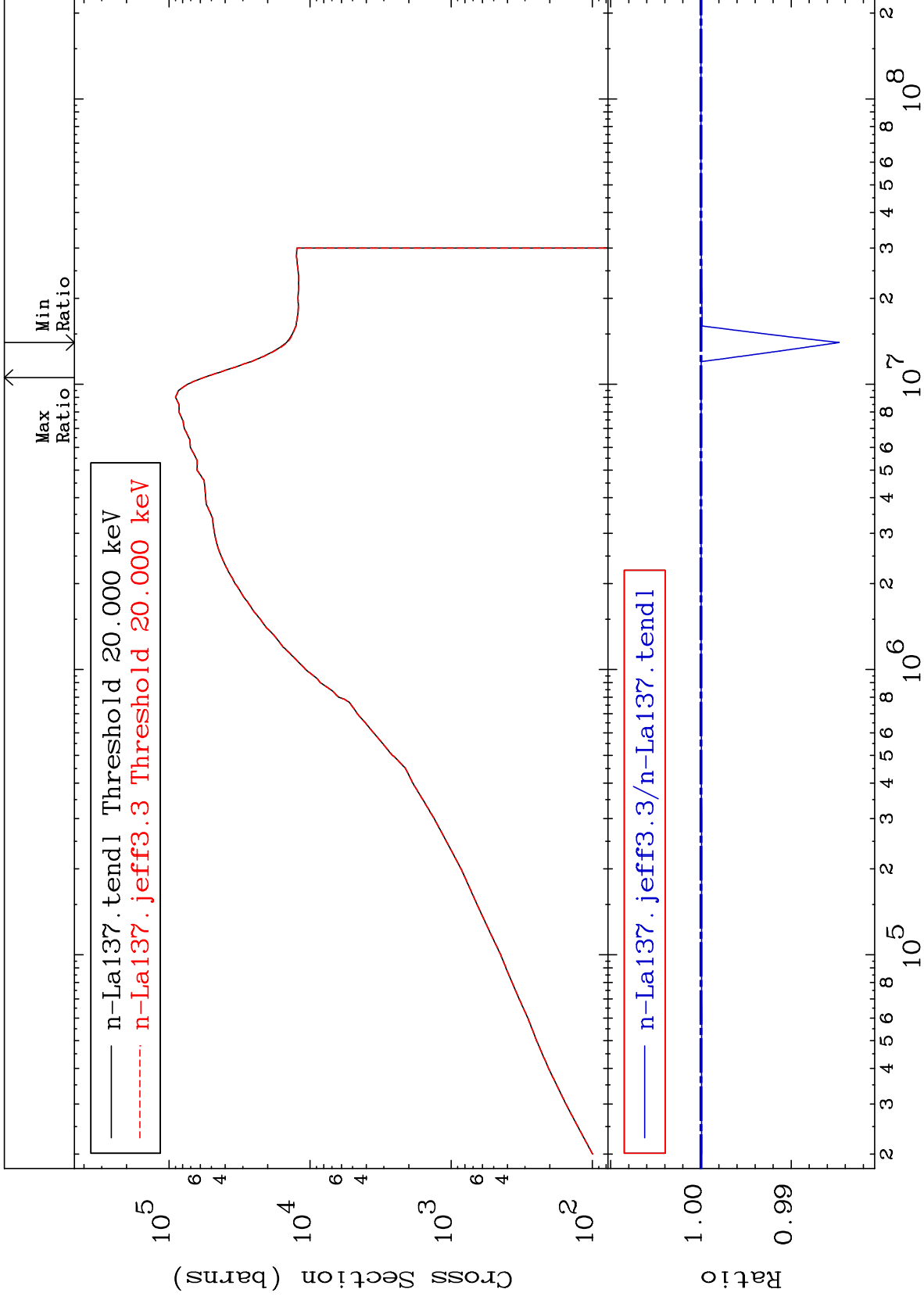
57-La-137
-83.24 To 9999. %

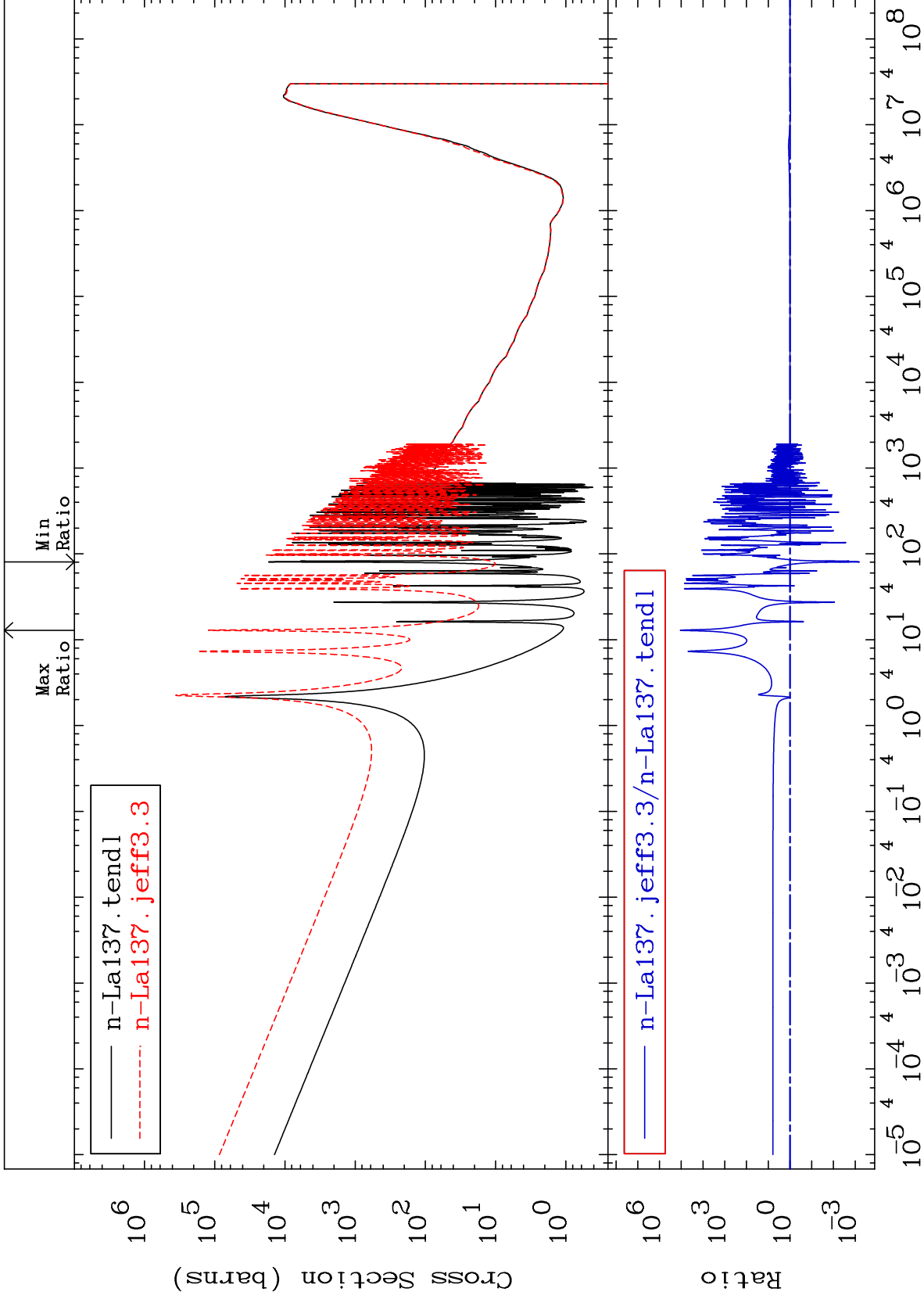


49

Incident Energy (eV)

57-La-137



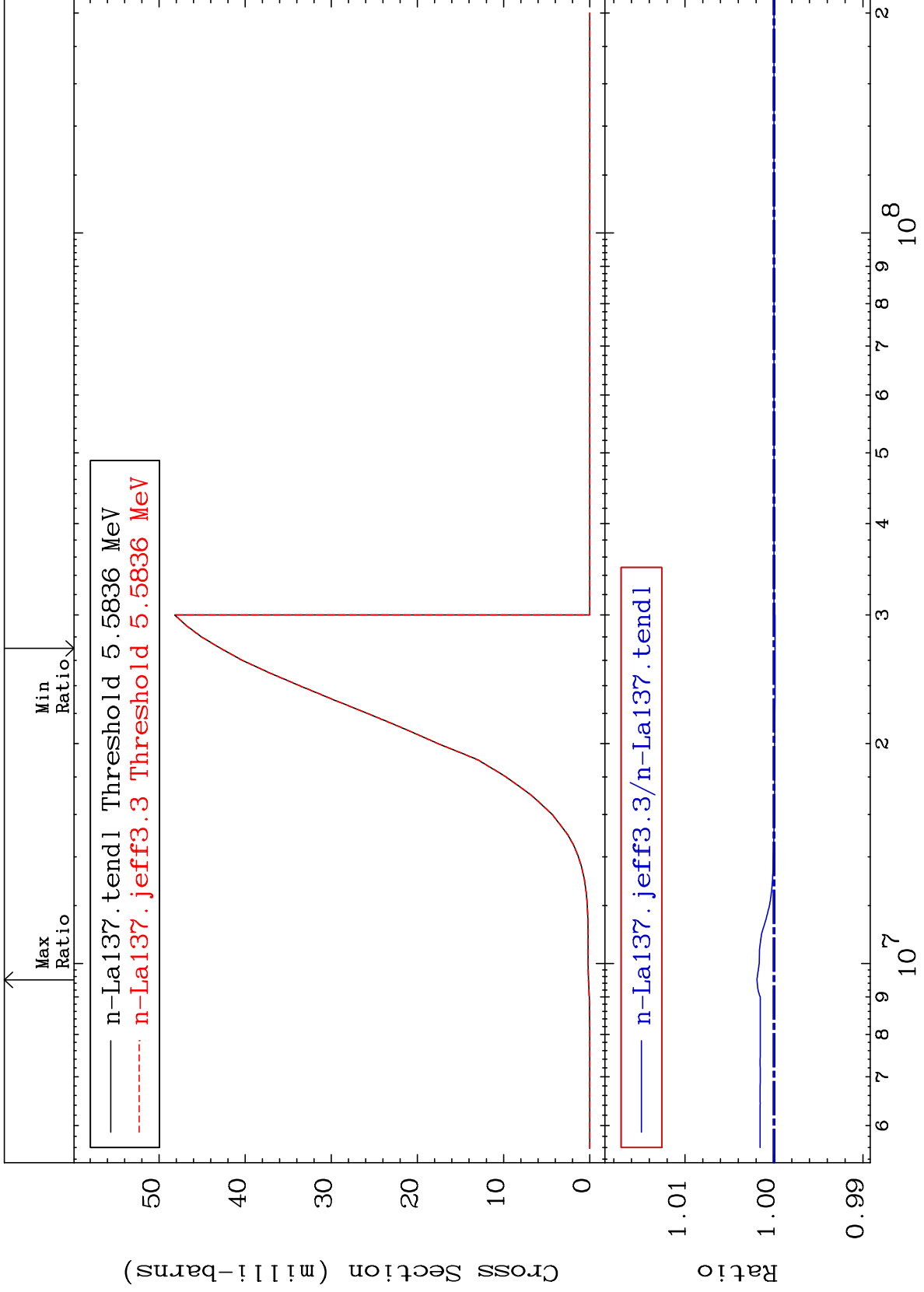


MAT 5722

(n, n') p:56-Ba-136g

57-La-137

Radionuclide Production Cross Section -0.013 To 0.191 %



52

Incident Energy (eV)

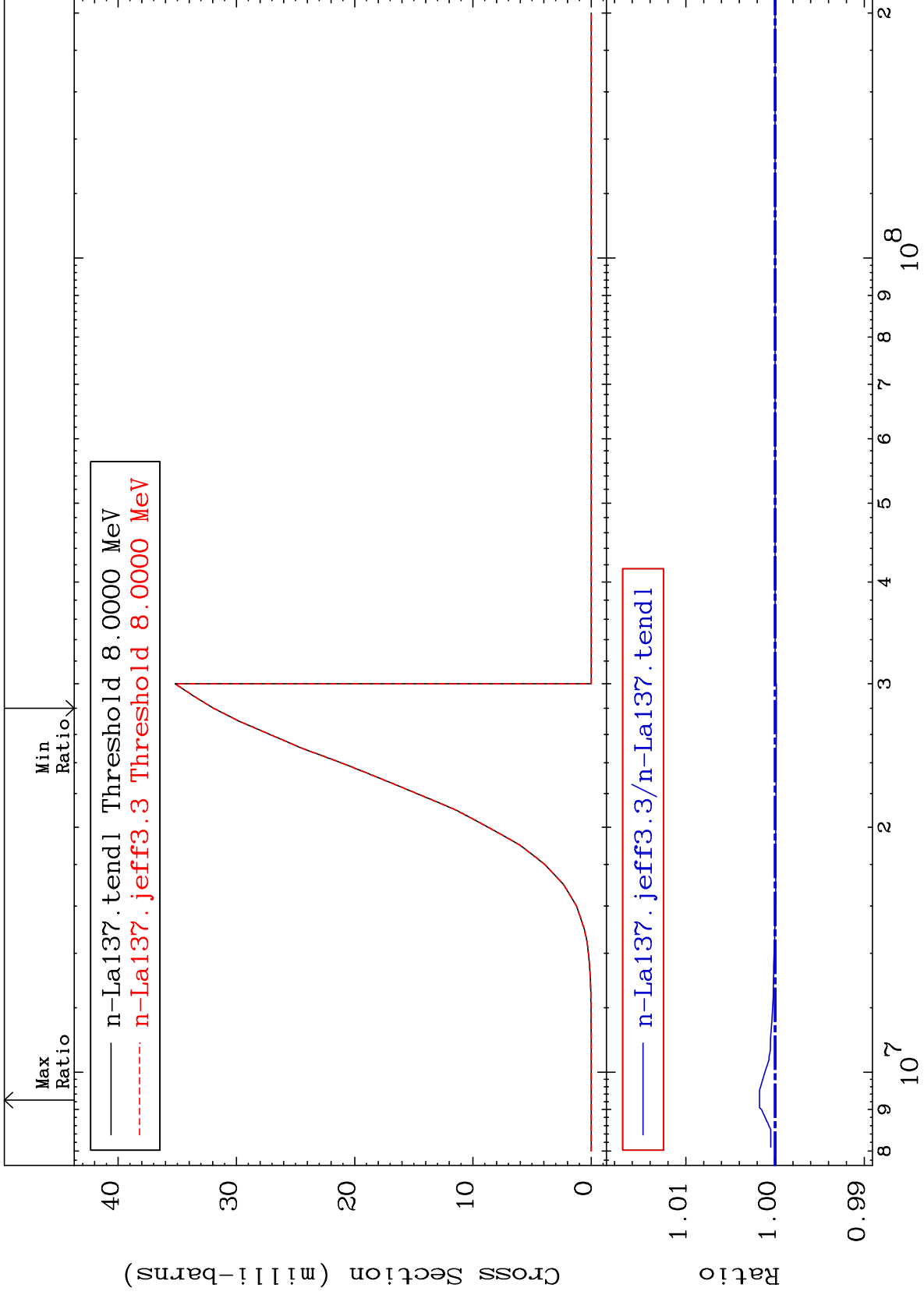
57-La-137

MAT 5722

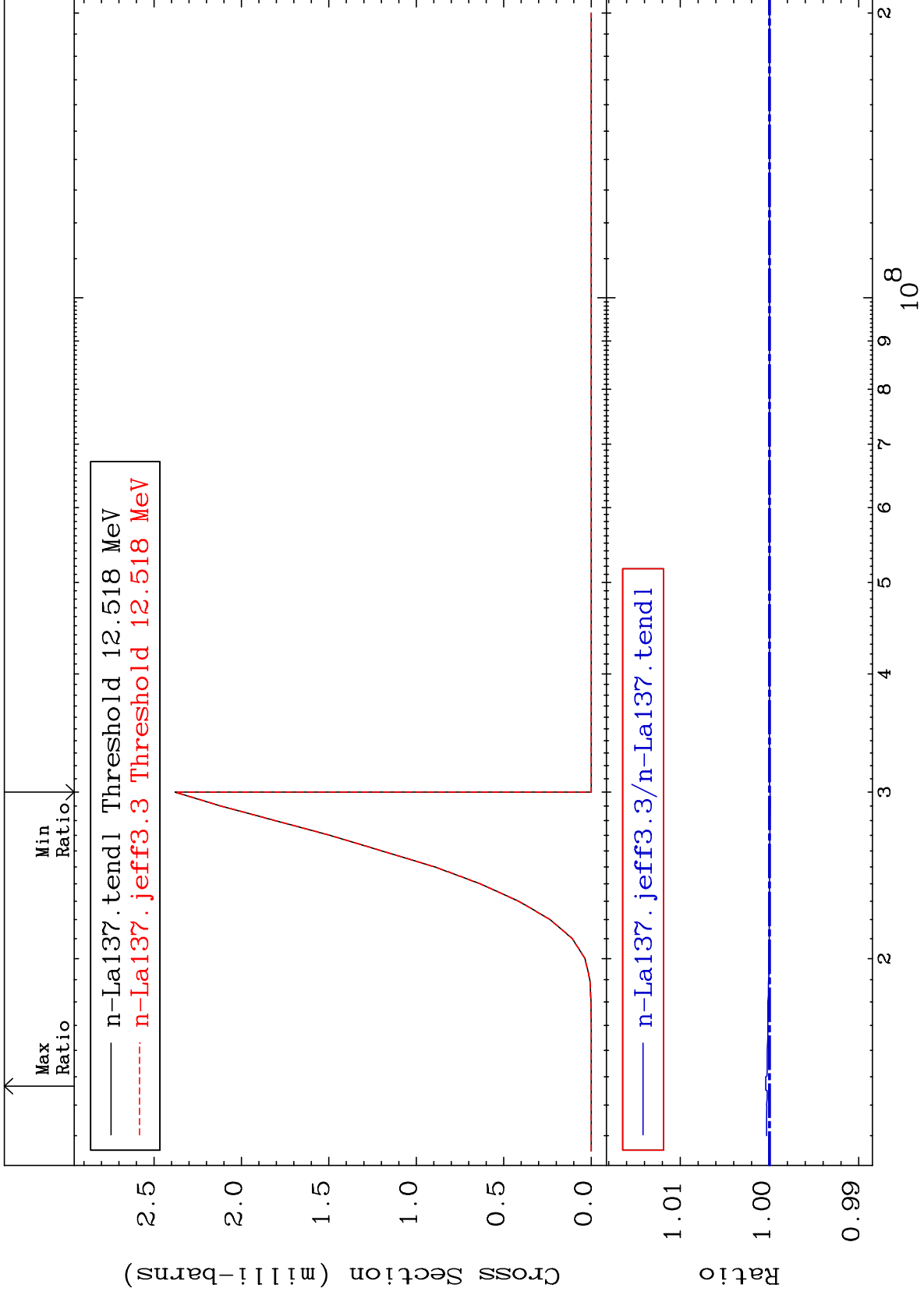
(n, n') p:56-Ba-136m5

57-La-137

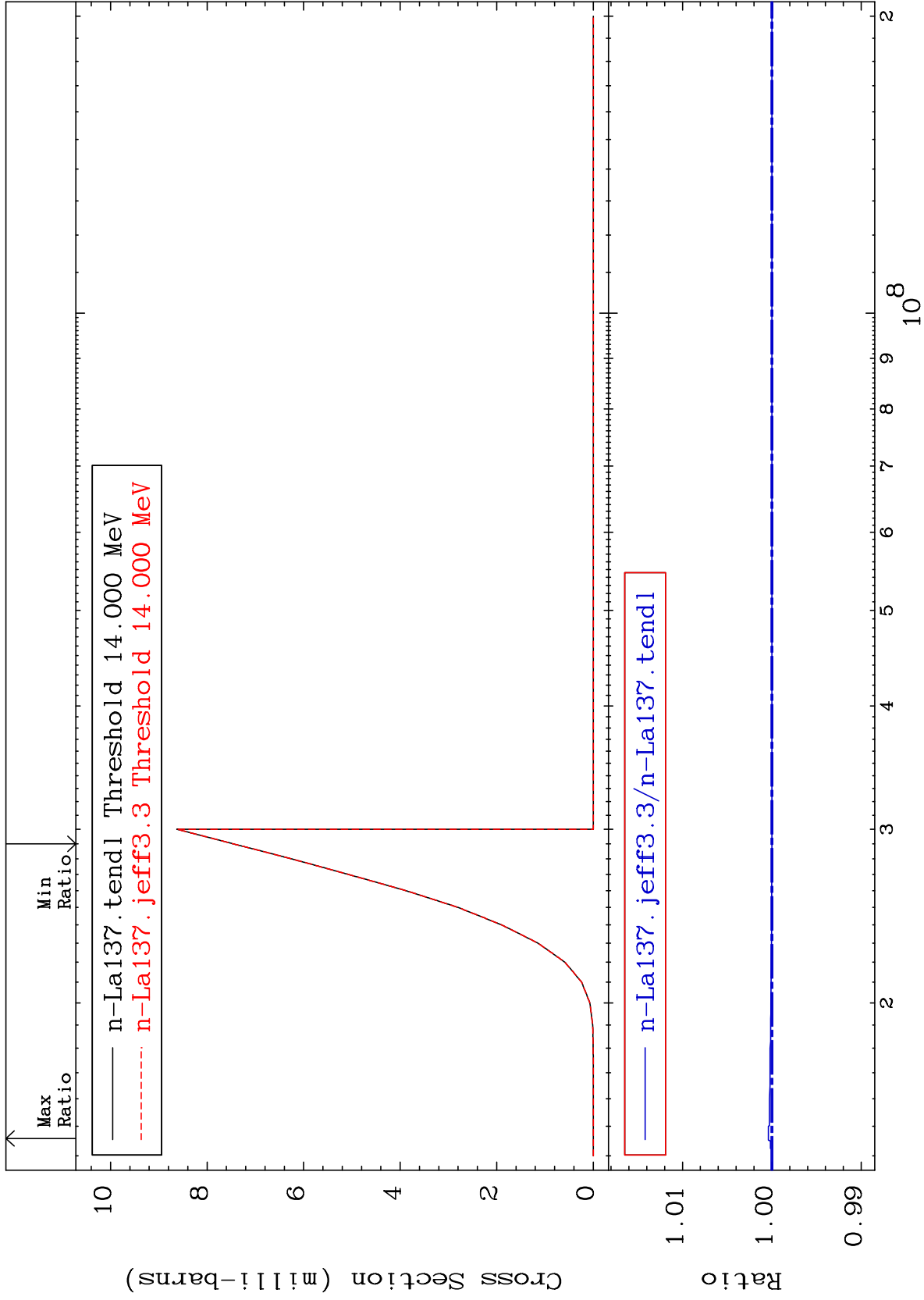
Radionuclide Production Cross Section -0.015 To 0.174 %

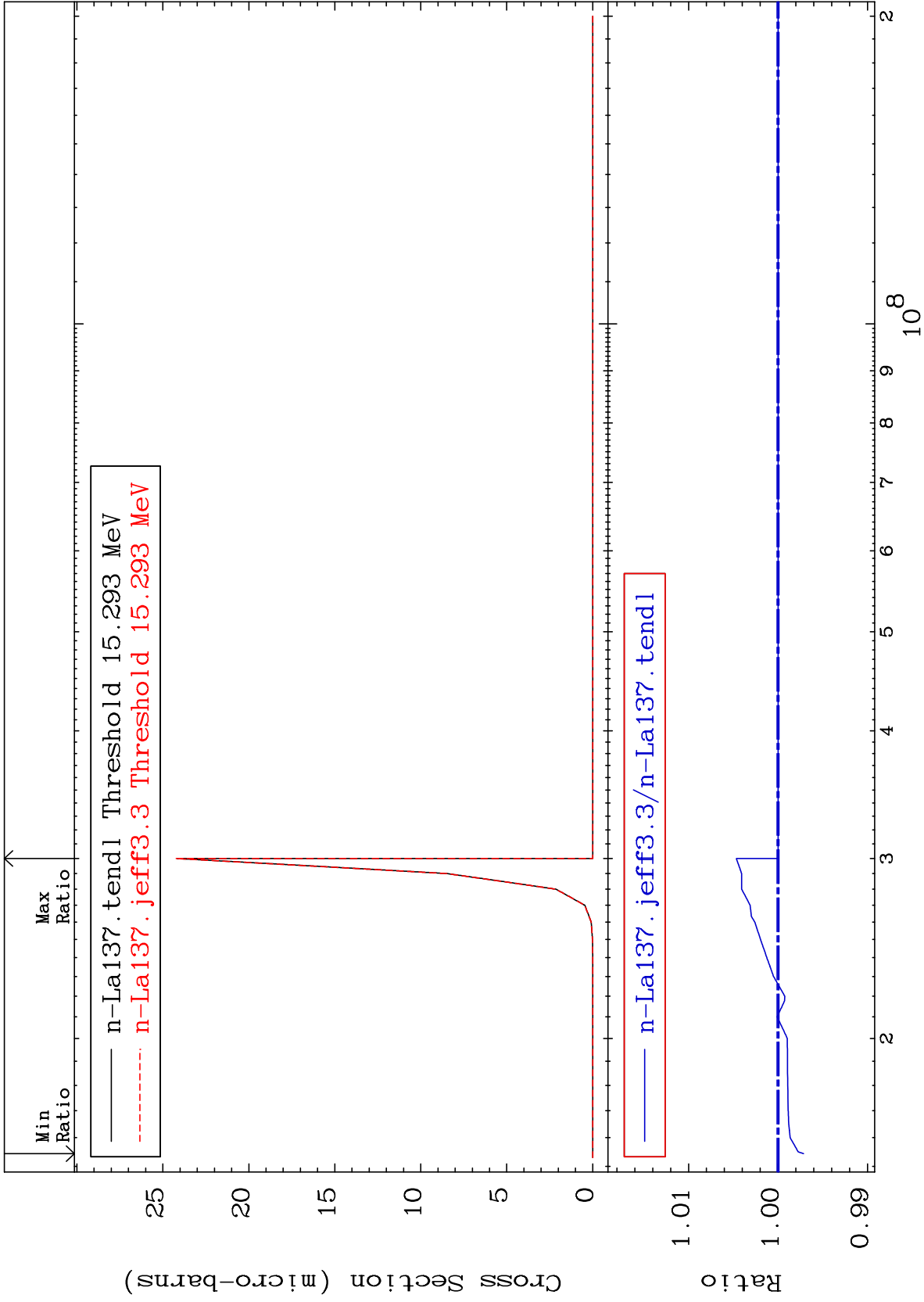


Radionuclide Production Cross Section -0.007 To 0.042 %



Radionuclide Production Cross Section 0.000 To 0.039 %





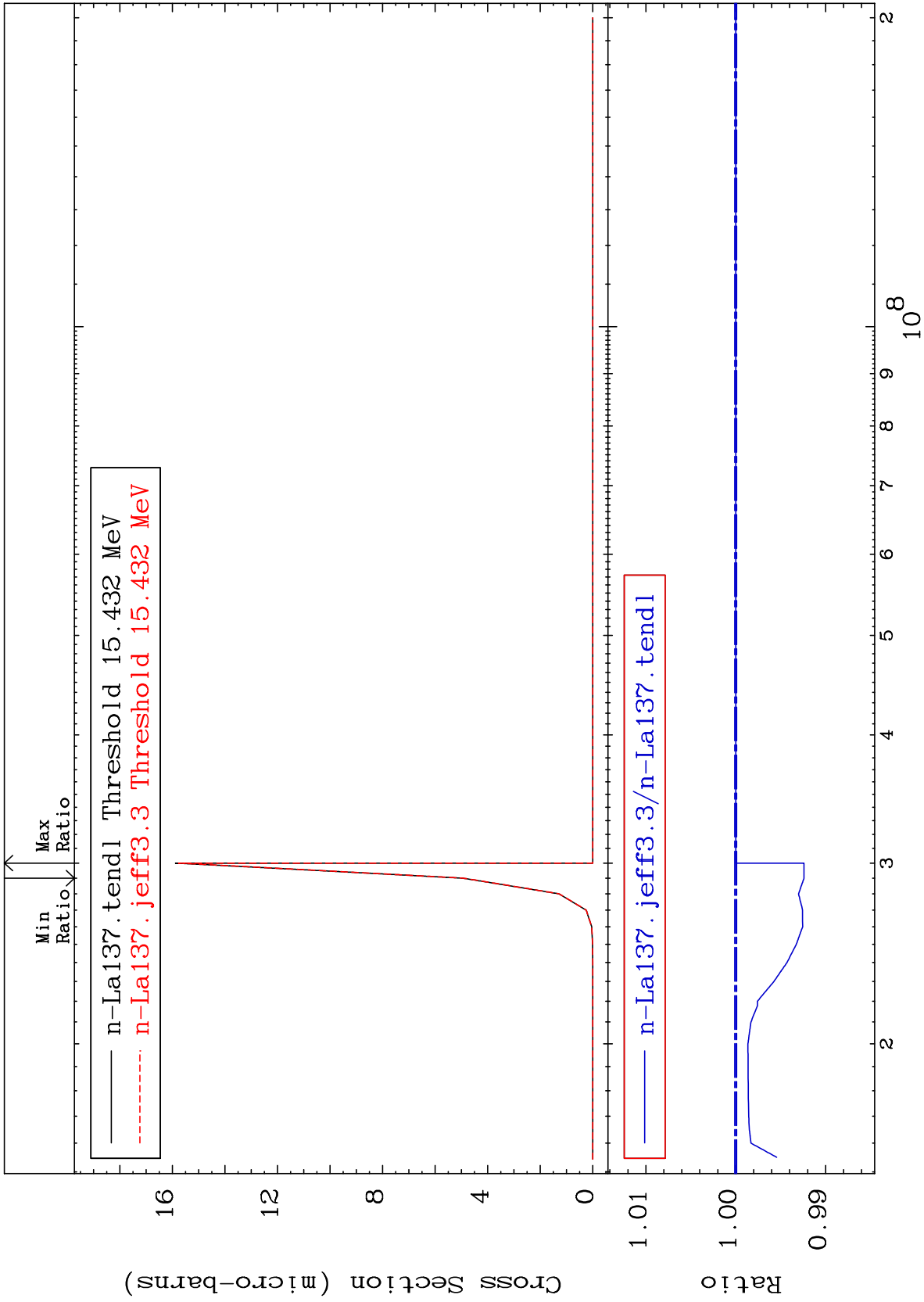
MAT 5722

(n, n') He-3:55-Cs-134m3

57-La-137

Radionuclide Production Cross Section

-0.760 To 0.000 %



57

Incident Energy (eV)

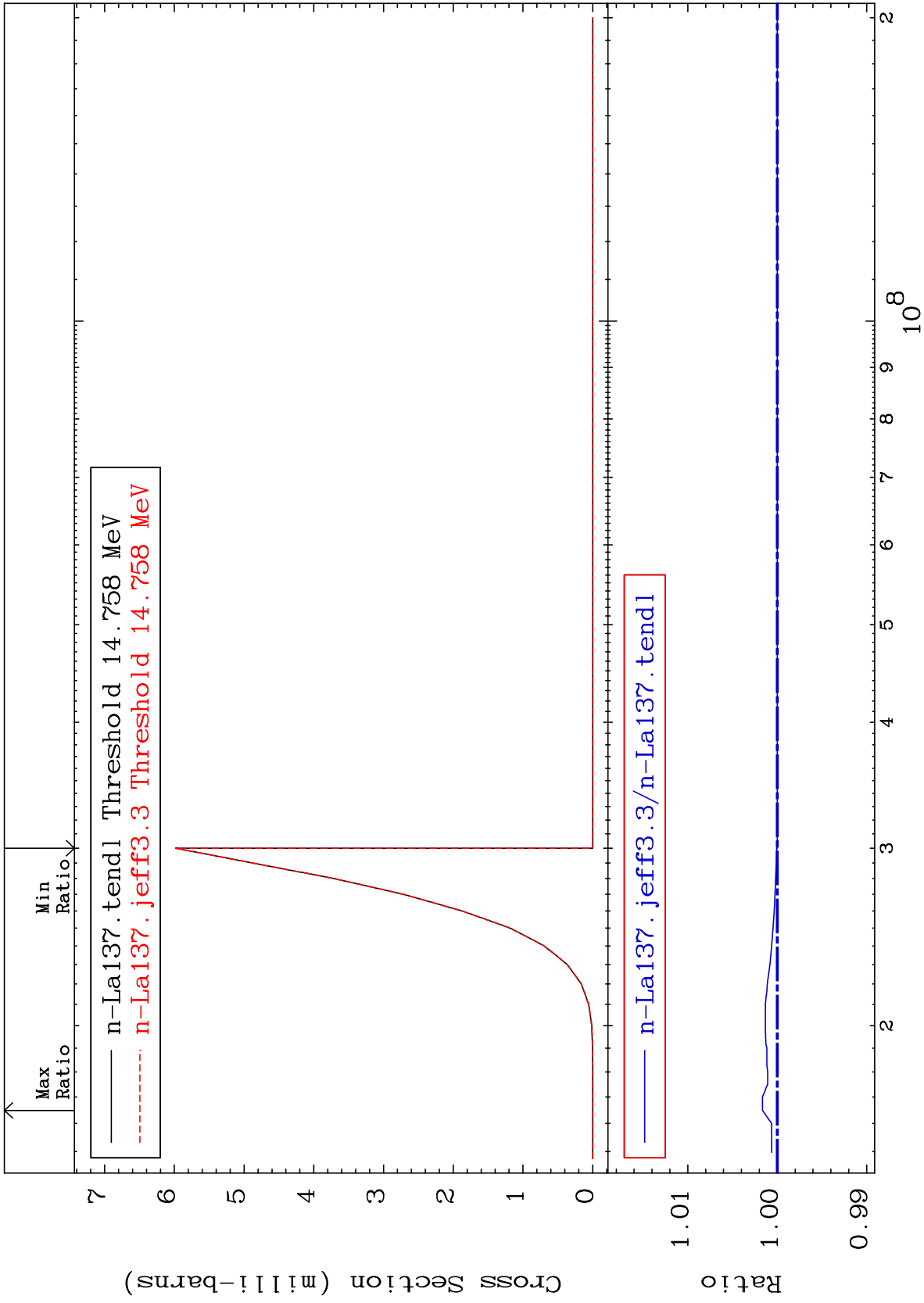
57-La-137

MAT 5722

(n,2n) p:56-Ba-135g

57-La-137

Radionuclide Production Cross Section 0.000 To 0.164 %

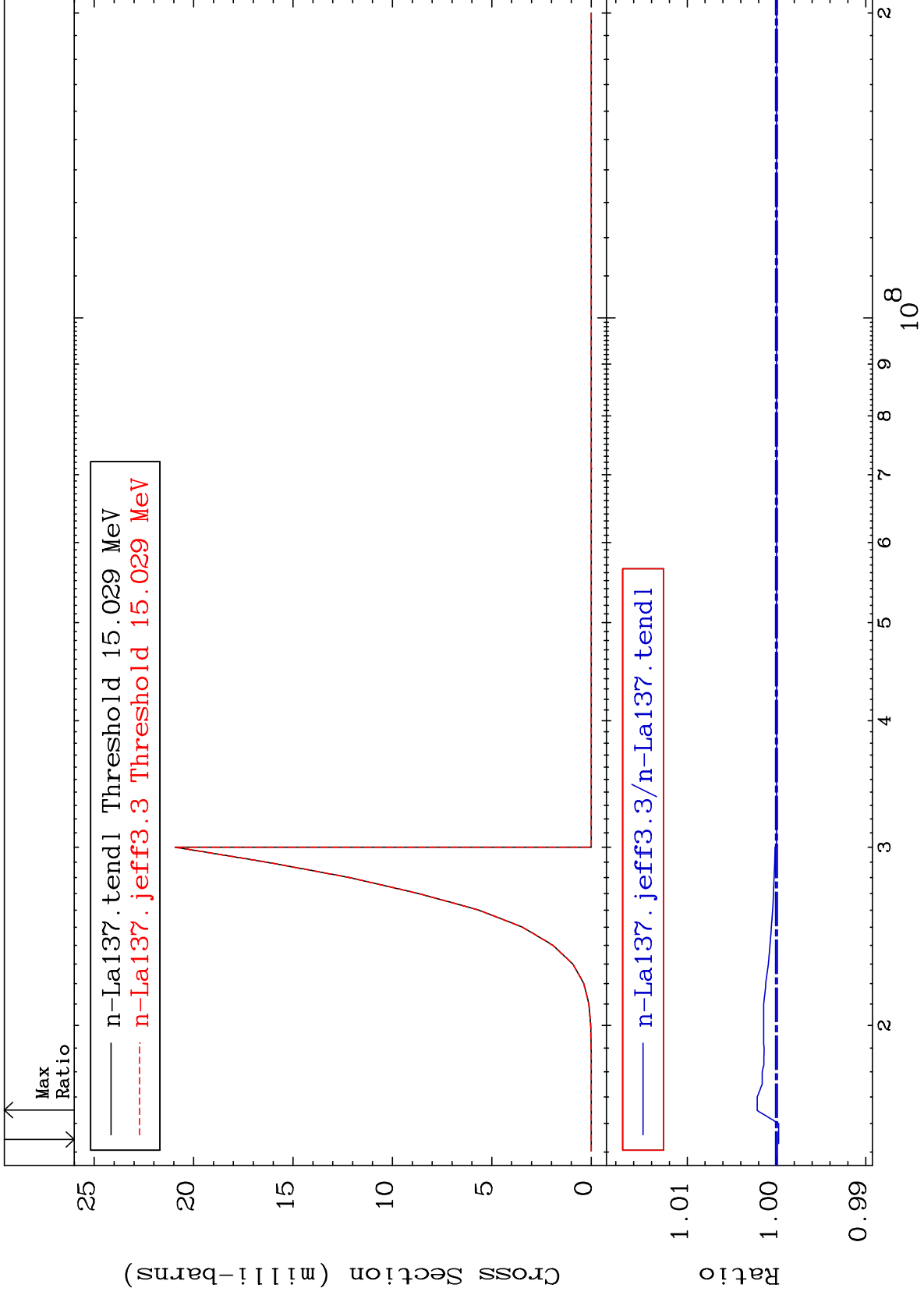


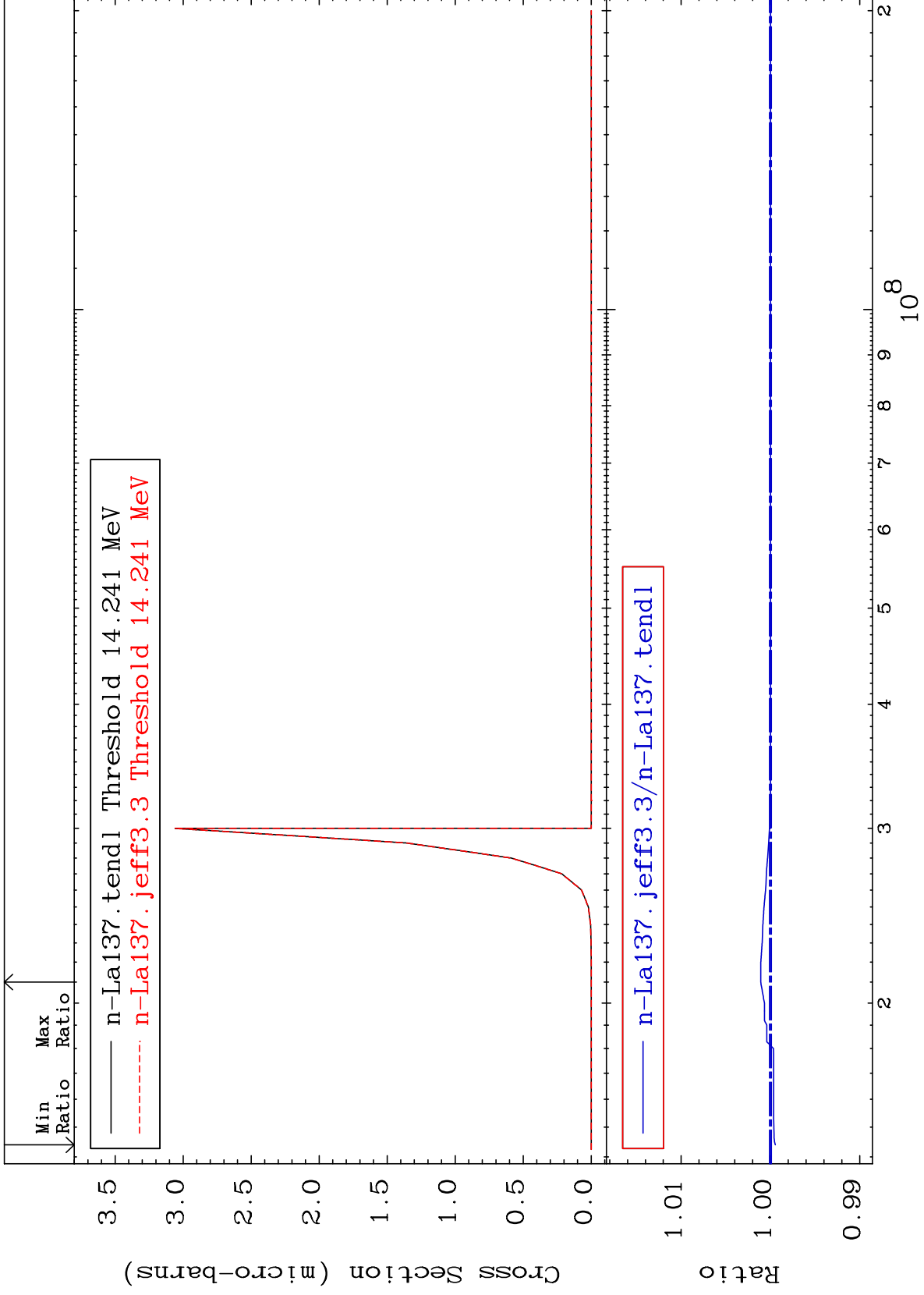
MAT 5722

(n,2n) p:56-Ba-135m2

57-La-137

Radionuclide Production Cross Section -0.025 To 0.216 %





MAT 5722

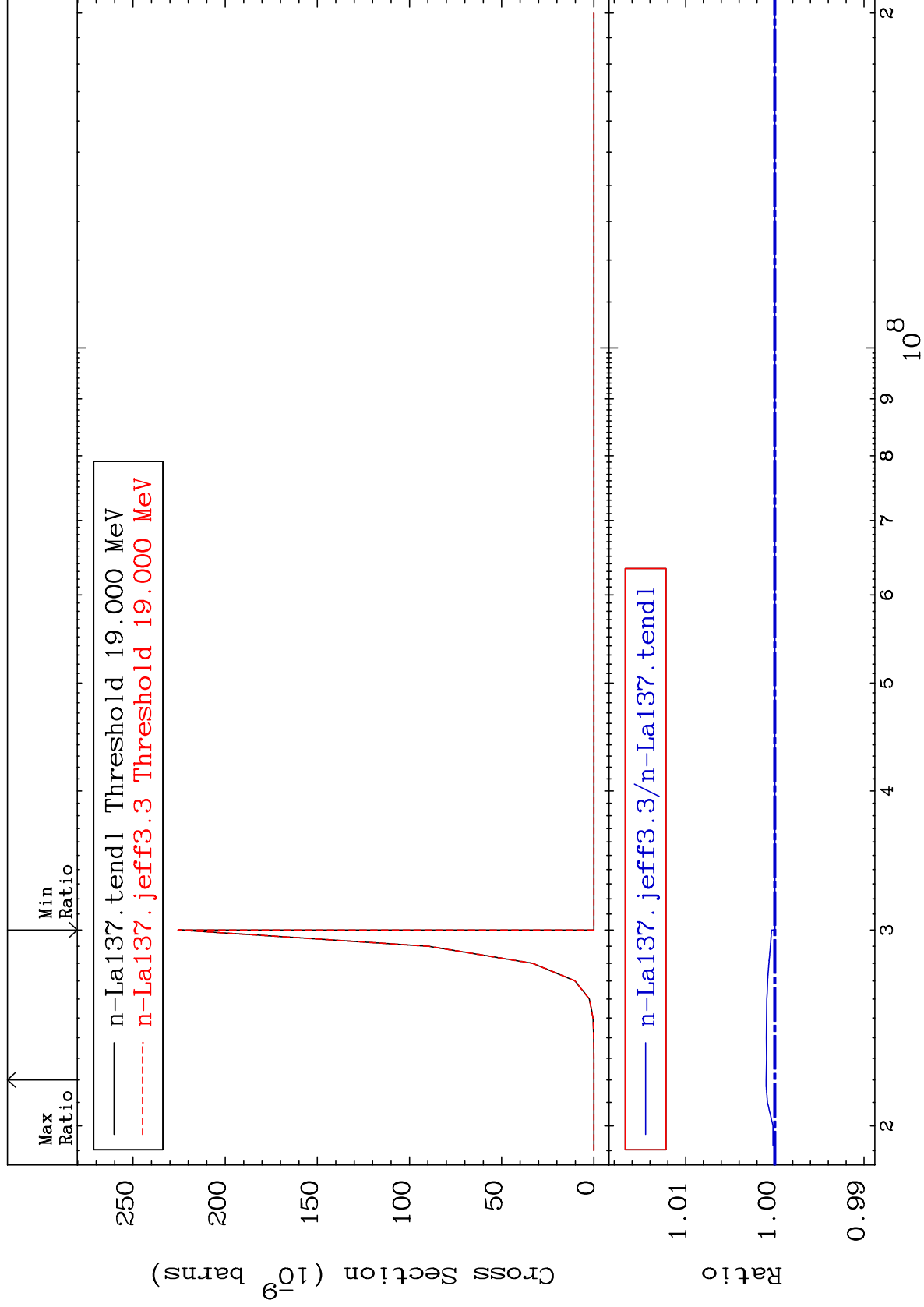
(n,2n) p:55-Cs-135m10

57-La-137

Radionuclide Production Cross Section

0.000

To 0.098 %



61

Incident Energy (eV)

57-La-137

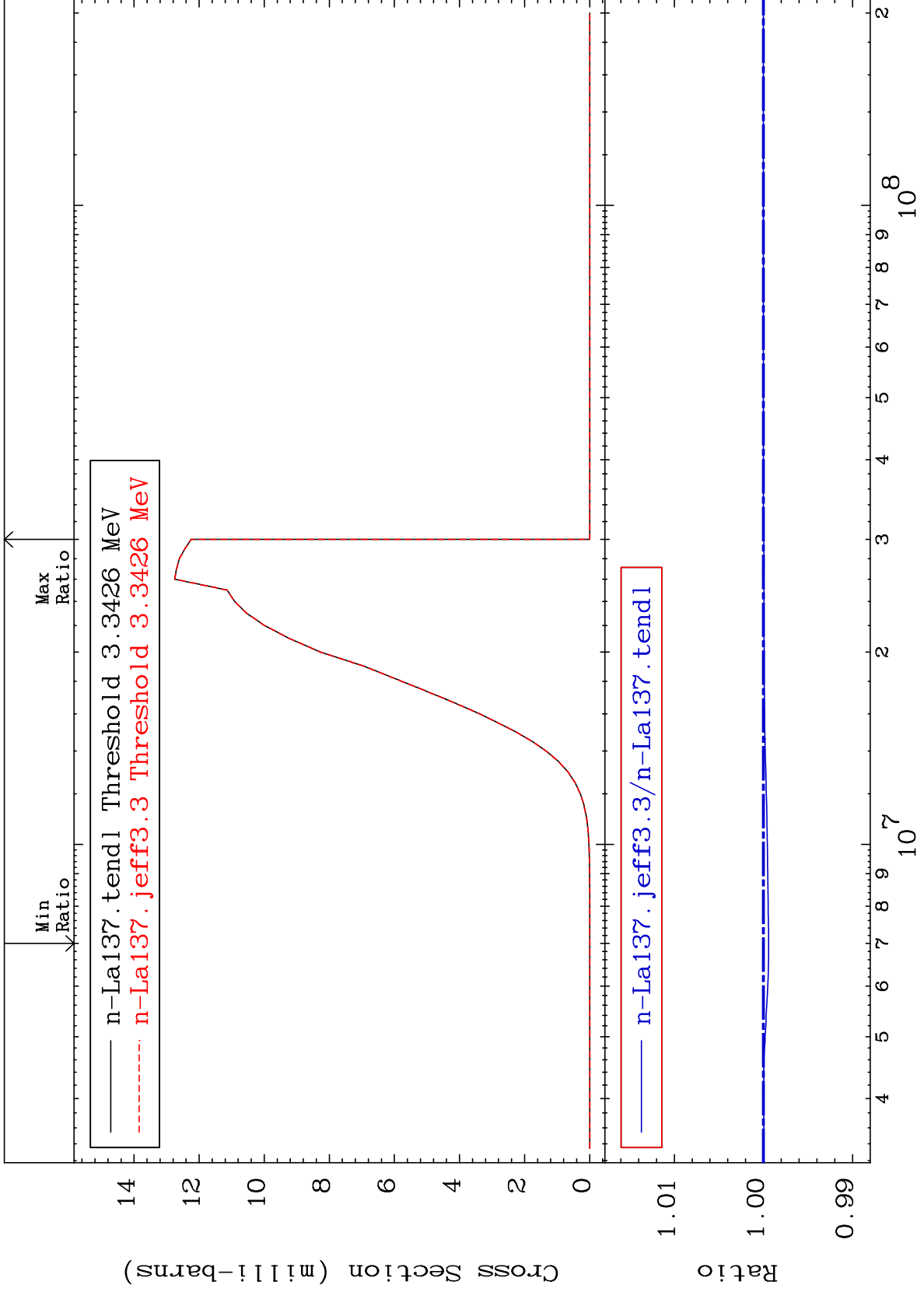
MAT 5722

(n, d) : 56-Ba-136g

57-La-137

Radionuclide Production Cross Section

-0.058 To 0.000 %



62

Incident Energy (eV)

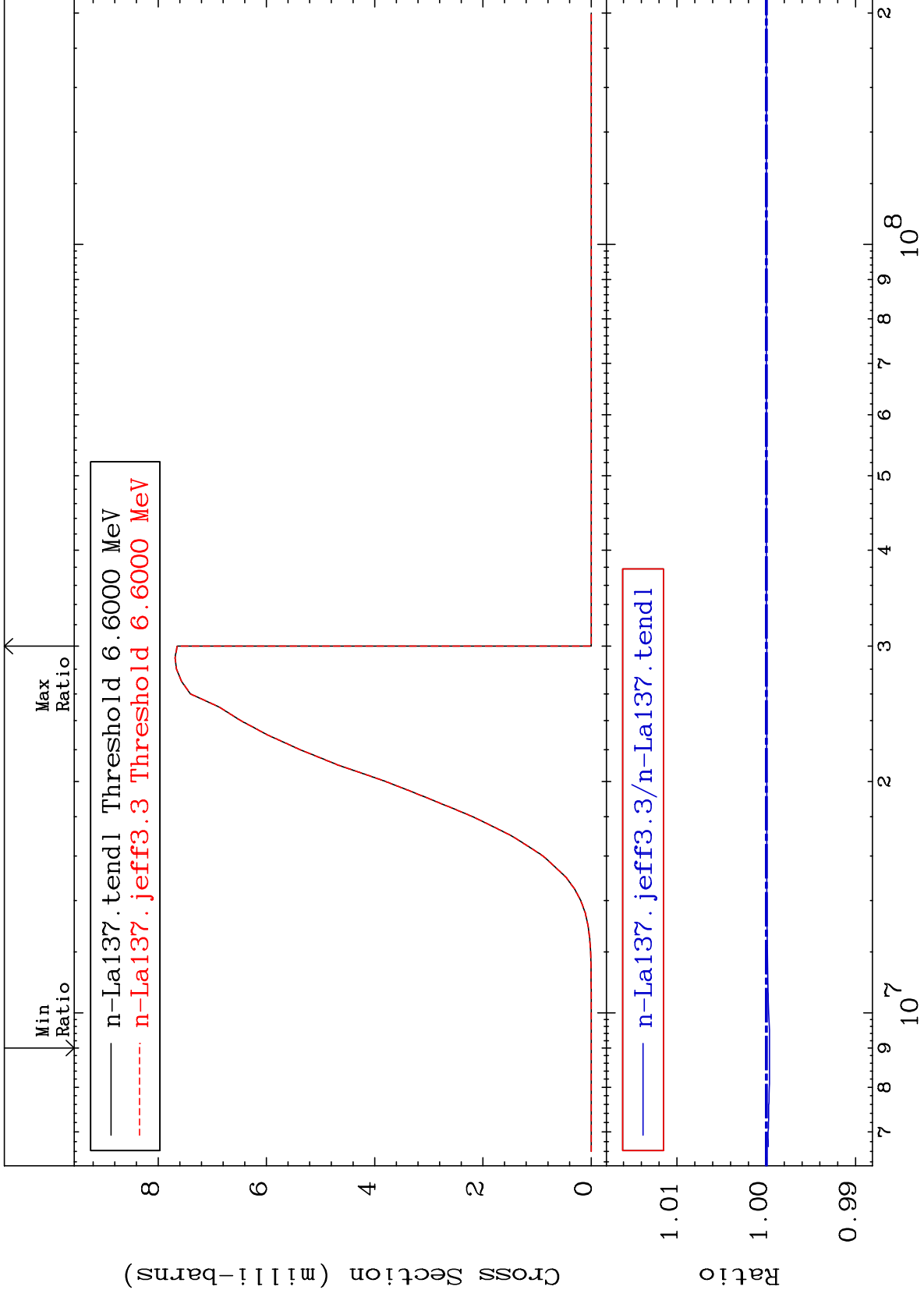
57-La-137

MAT 5722

(n, d) : 56-Ba-136m5

57-La-137

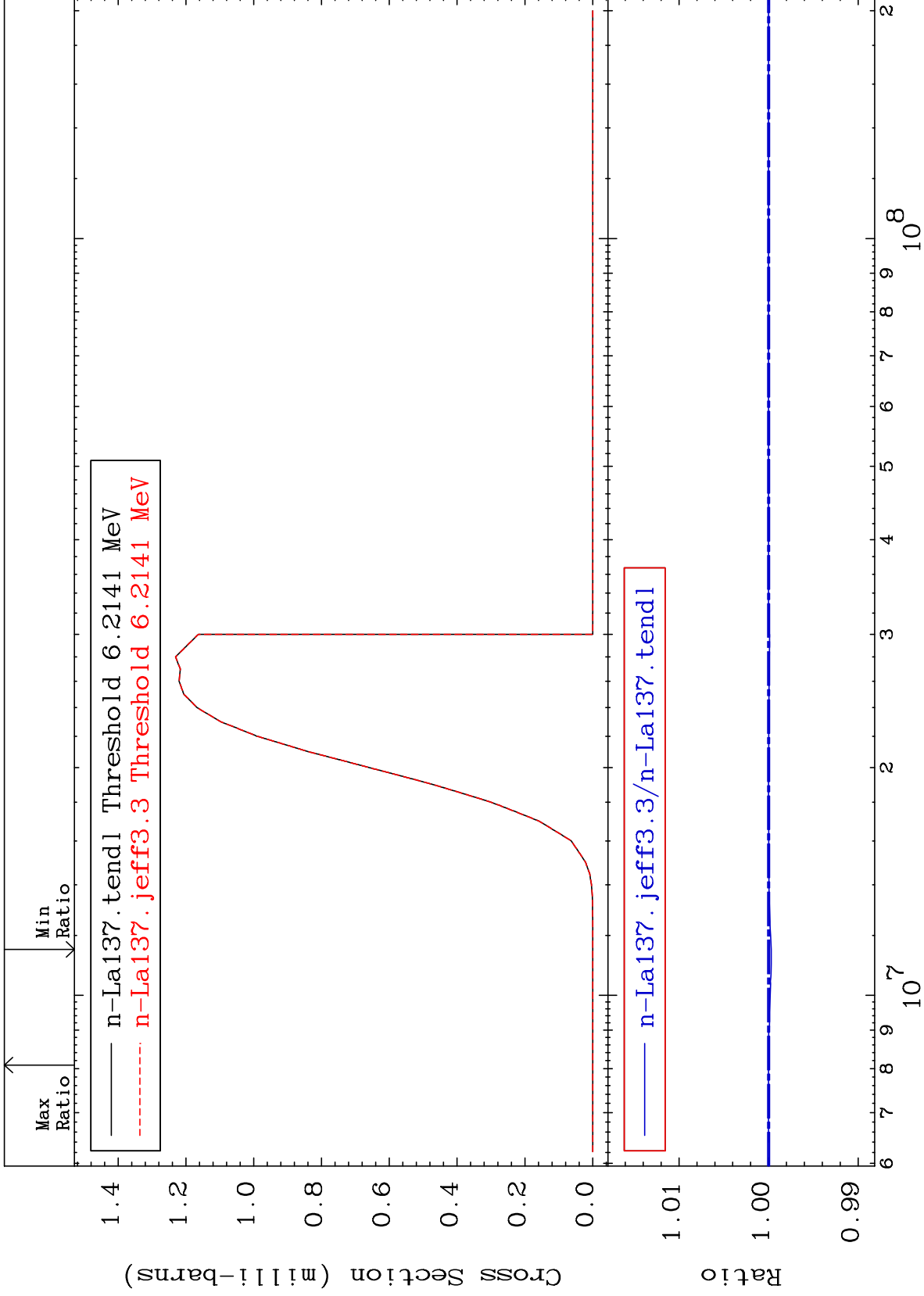
Radionuclide Production Cross Section -0.036 To 0.000 %



63

Incident Energy (eV)

57-La-137

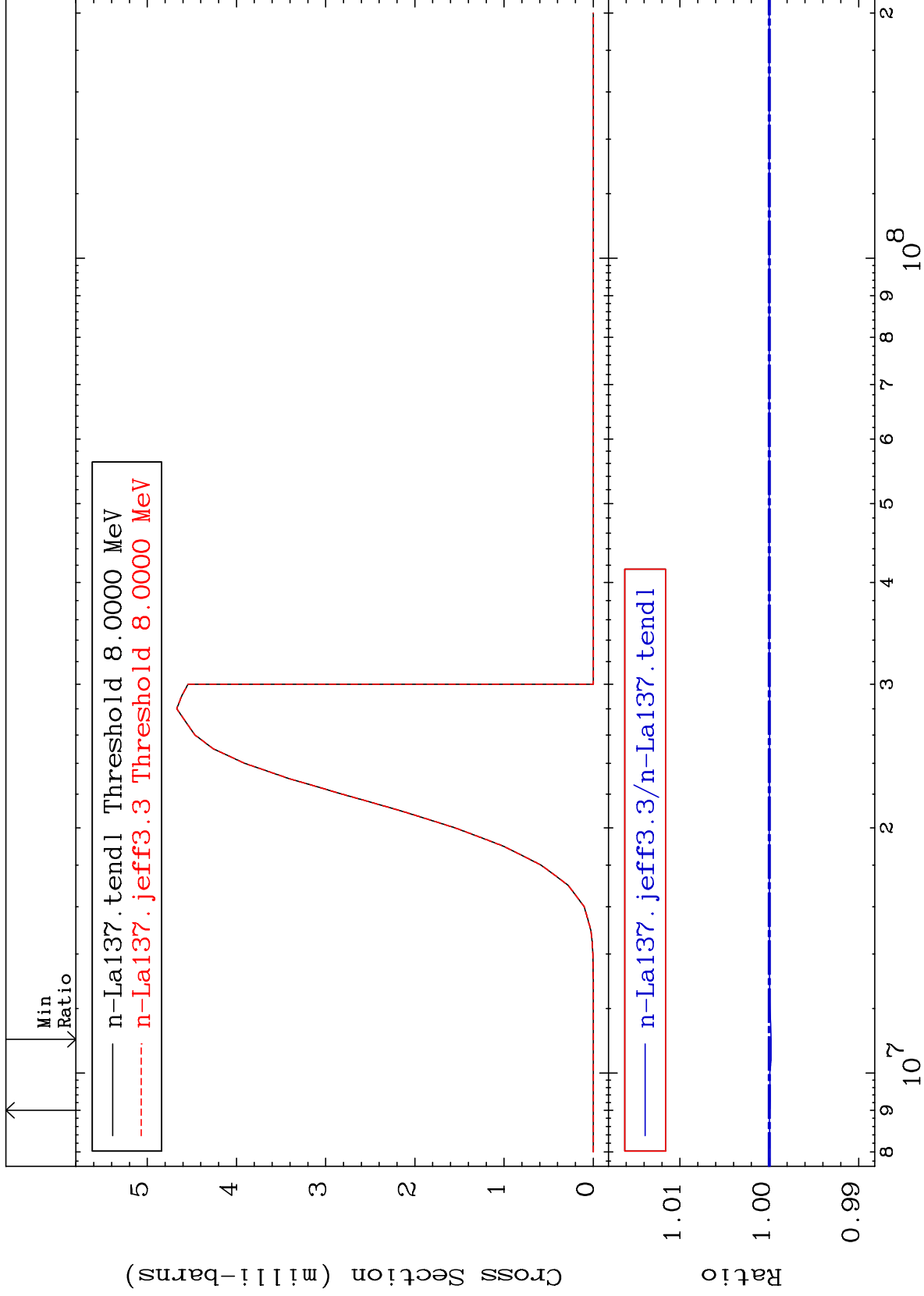


MAT 5722

(n, t) : 56-Ba-135m2

57-La-137

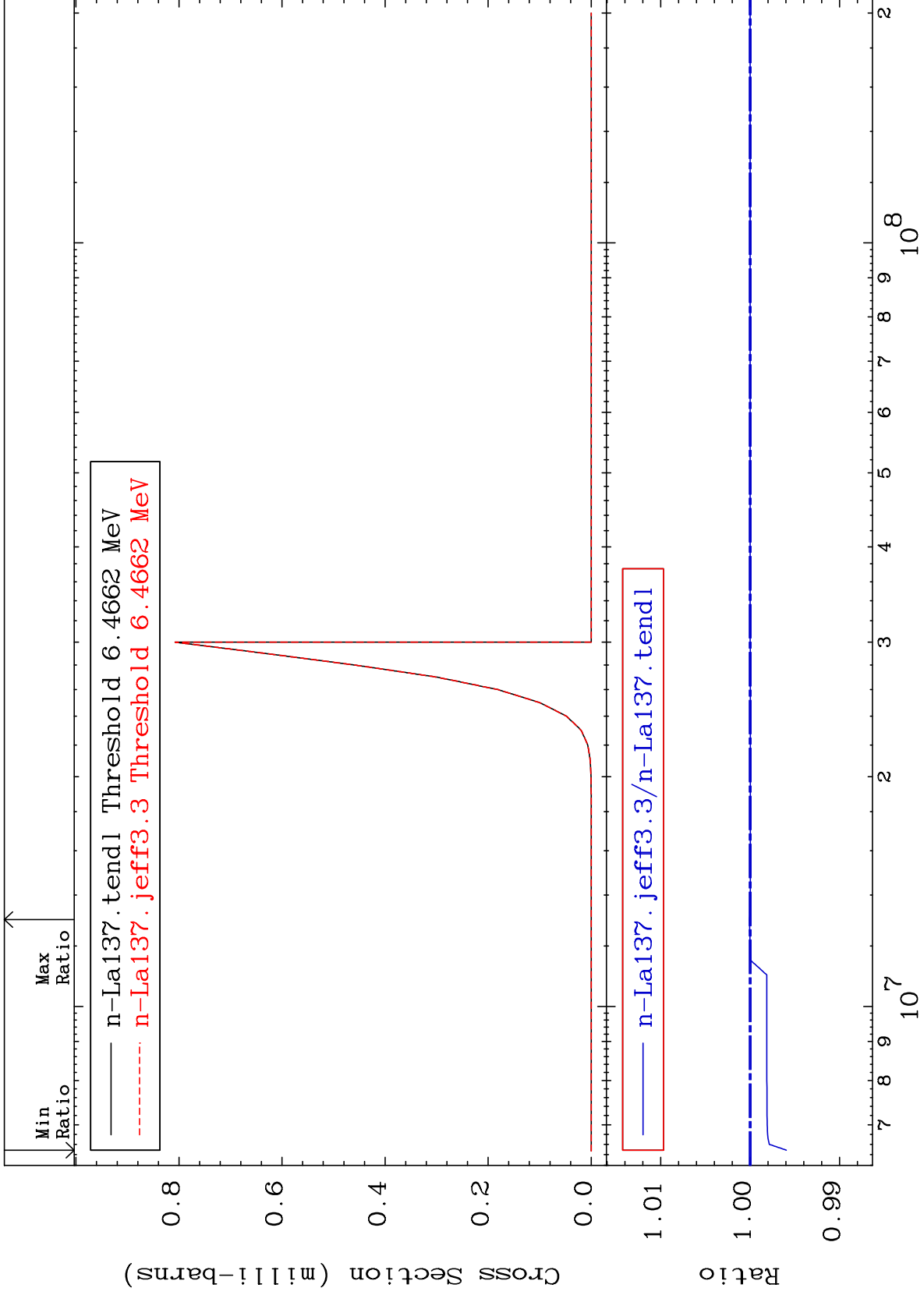
Radionuclide Production Cross Section -0.021 To 0.000 %



65

Incident Energy (eV)

57-La-137



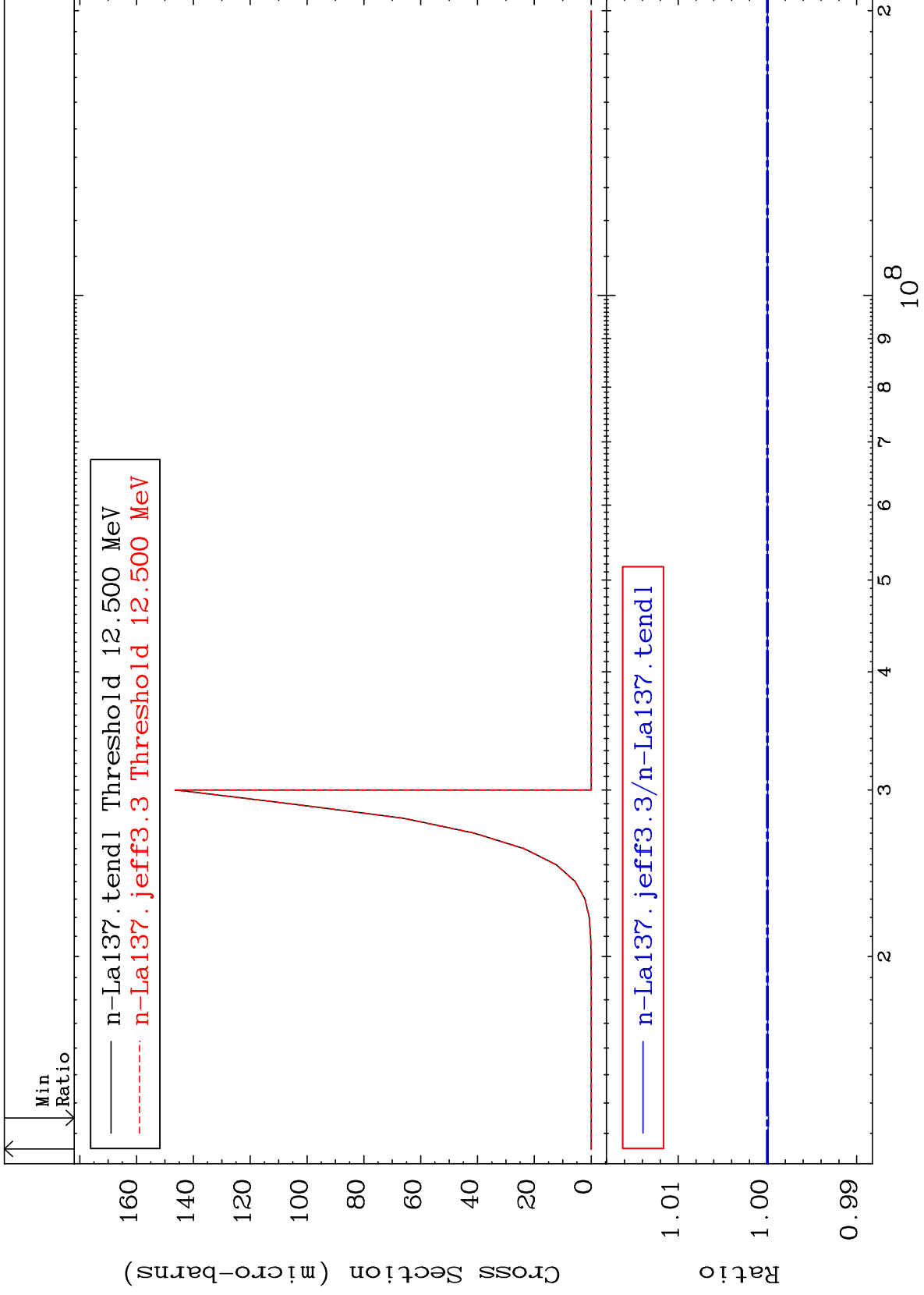
MAT 5722

(n,He-3):55-Cs-135m10

57-La-137

Radionuclide Production Cross Section

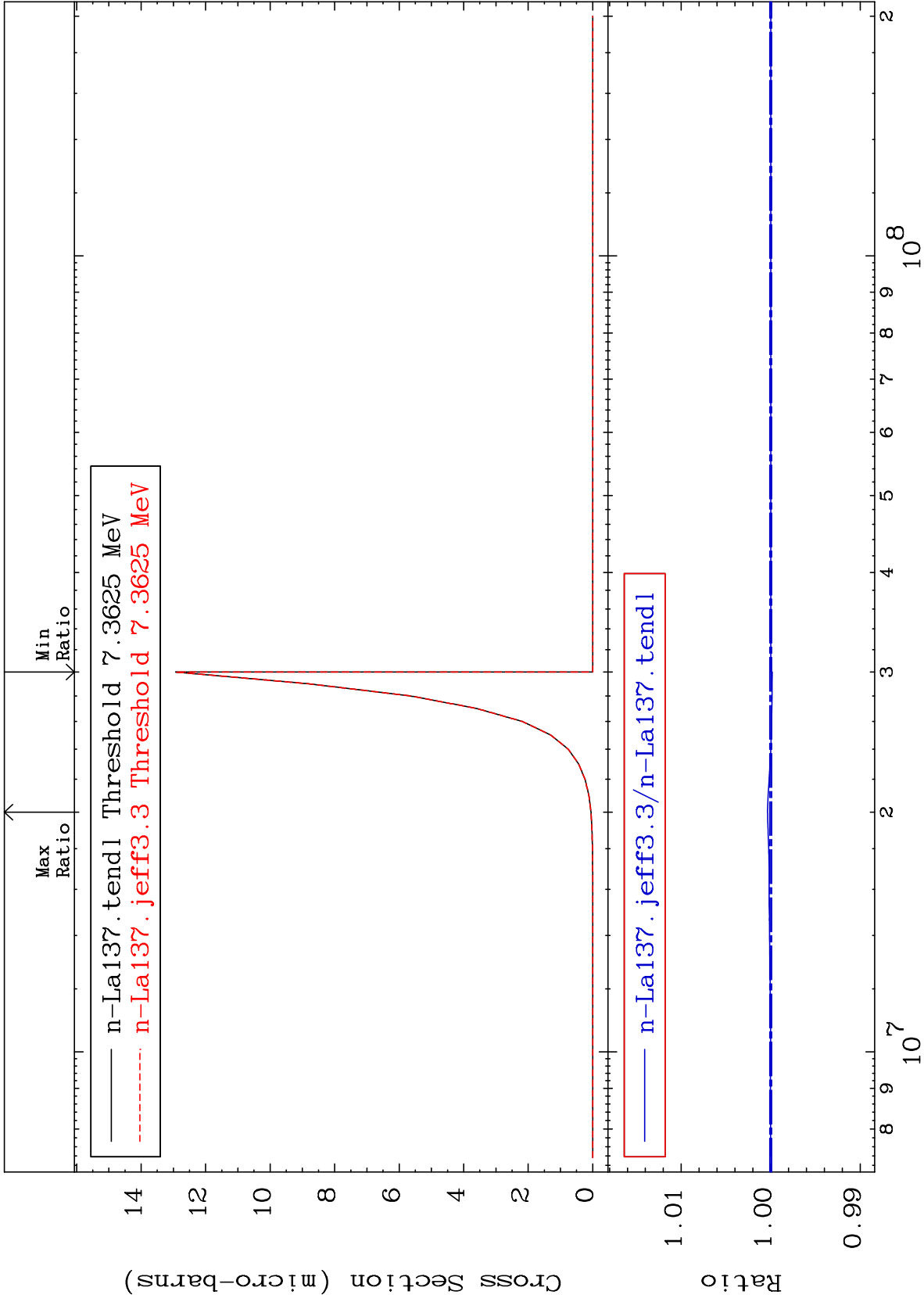
-0.012 To 0.000 %



67

Incident Energy (eV)

57-La-137

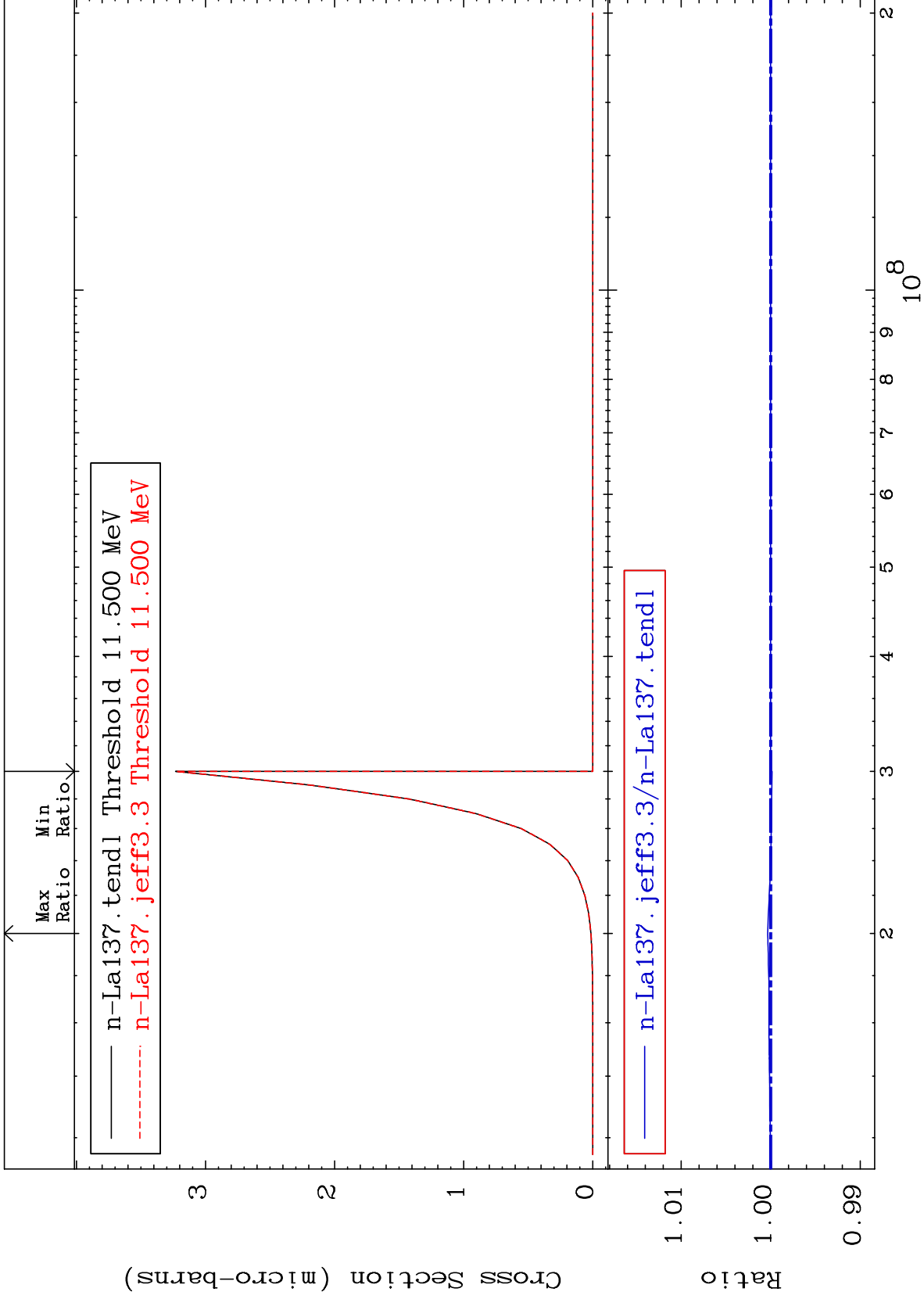


MAT 5722

(n,2p):55-Cs-136m1

57-La-137

Radionuclide Production Cross Section -0.015 To 0.033 %



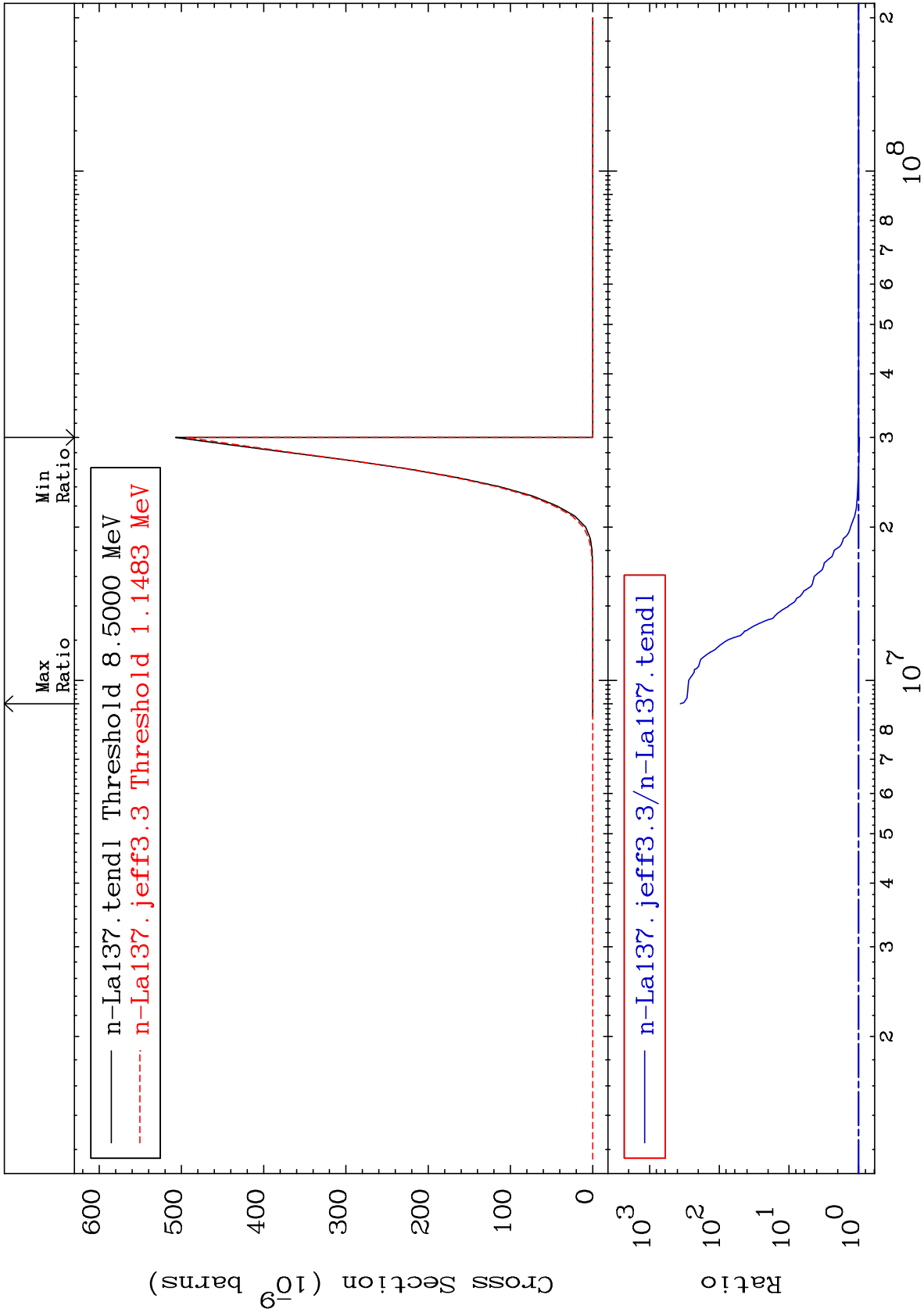
MAT 5722

(n, p) α :54-Xe-133g

57-La-137

Radionuclide Production Cross Section

-2.446 To 9999. %



— n-La137.tendl Threshold 8.5000 MeV
- - - n-La137.jeff3.3 Threshold 1.1483 MeV

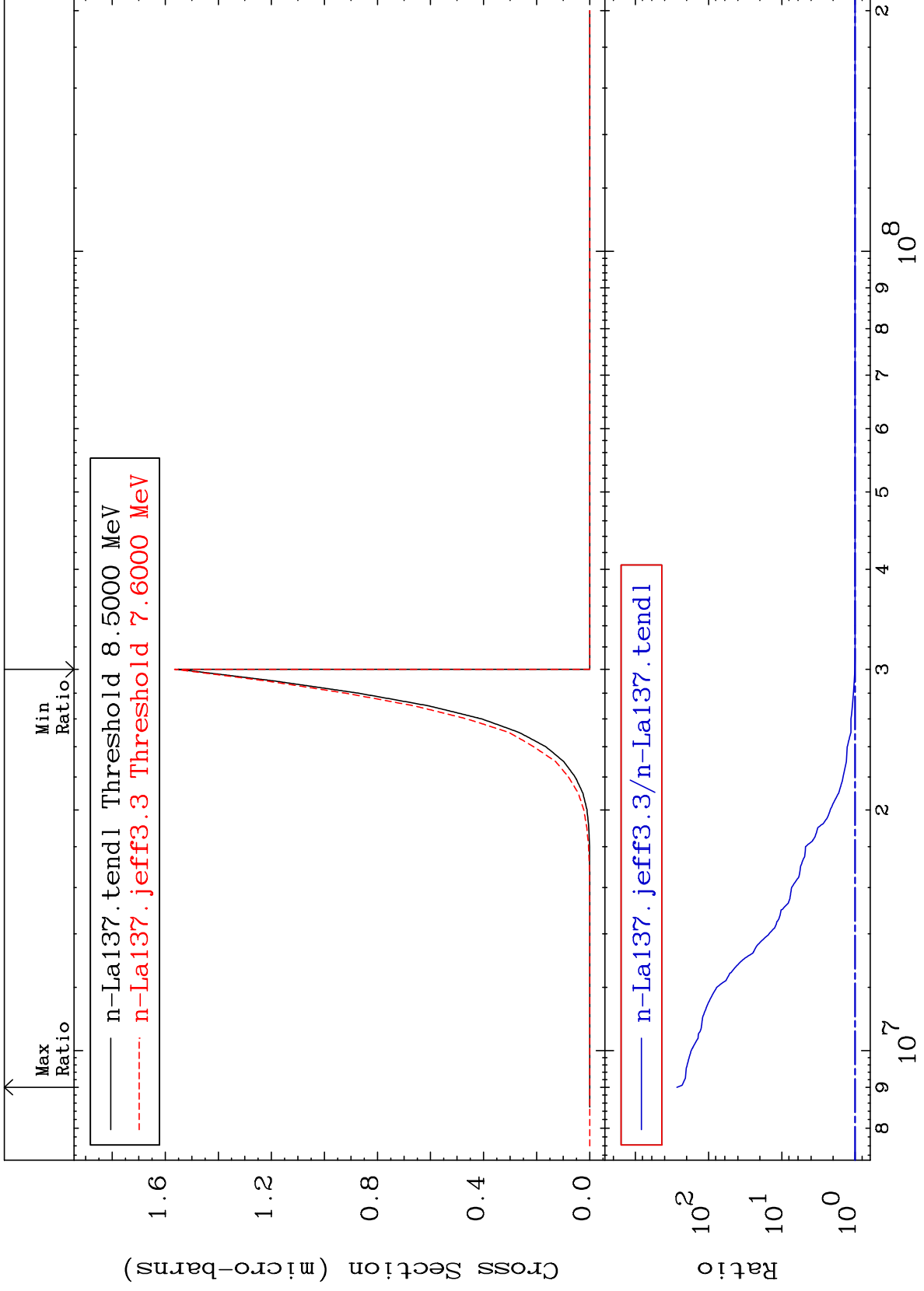
— n-La137.jeff3.3/n-La137.tendl

MAT 5722

(n, p) α :54-Xe-133m1

57-La-137

Radionuclide Production Cross Section 0.000 To 9999. %

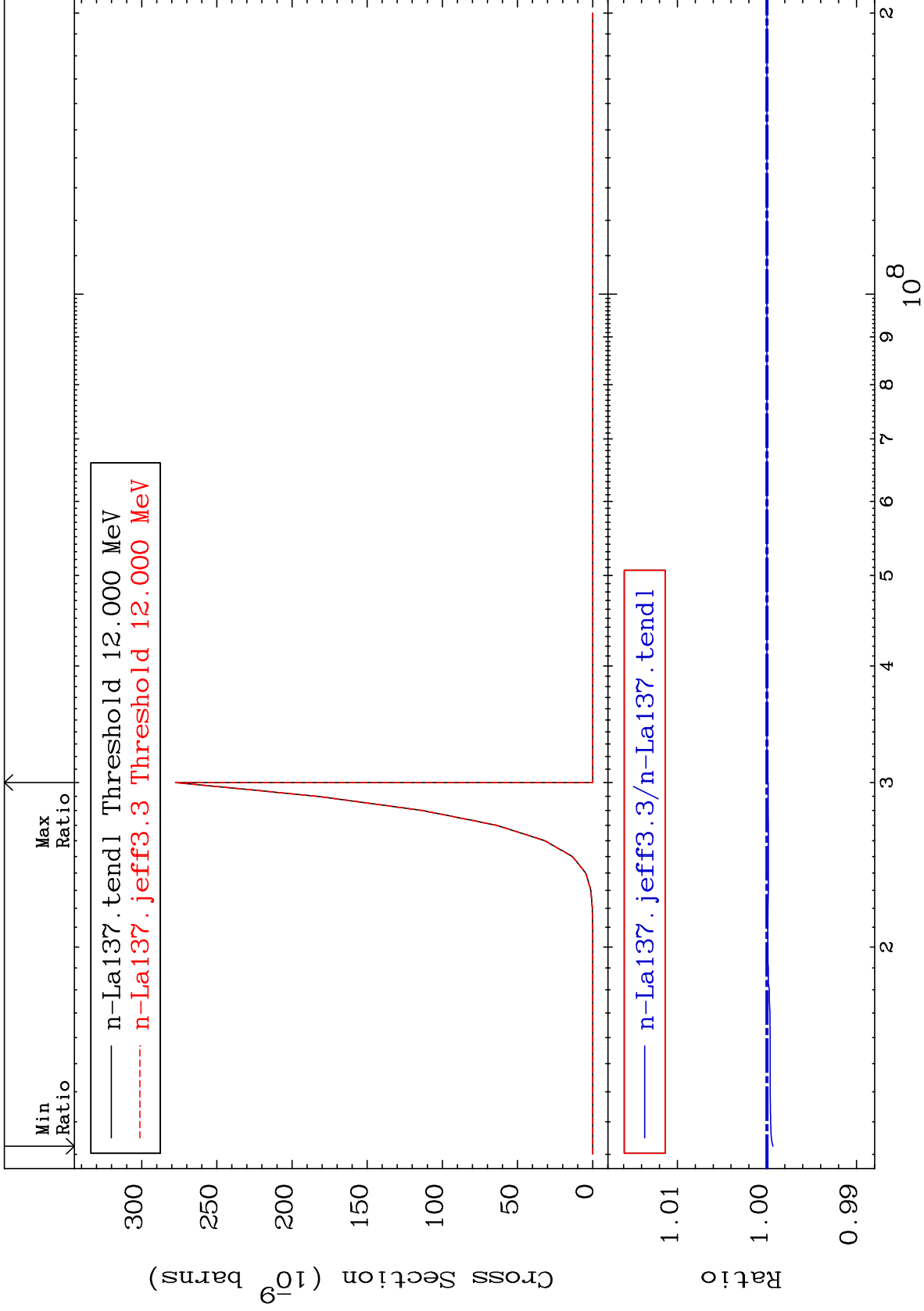


71

Incident Energy (eV)

57-La-137

Radionuclide Production Cross Section -0.067 To 0.000 %

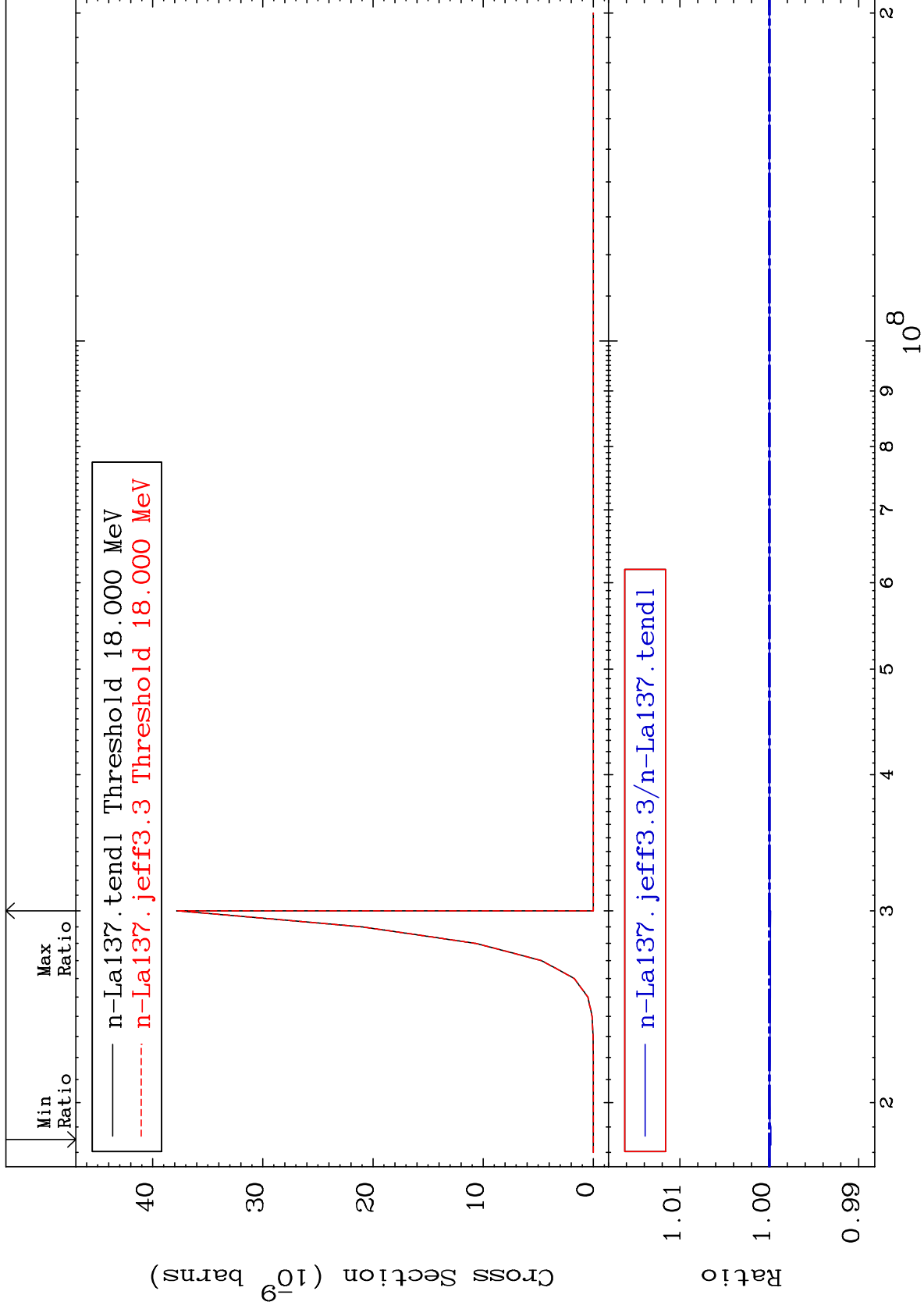


MAT 5722

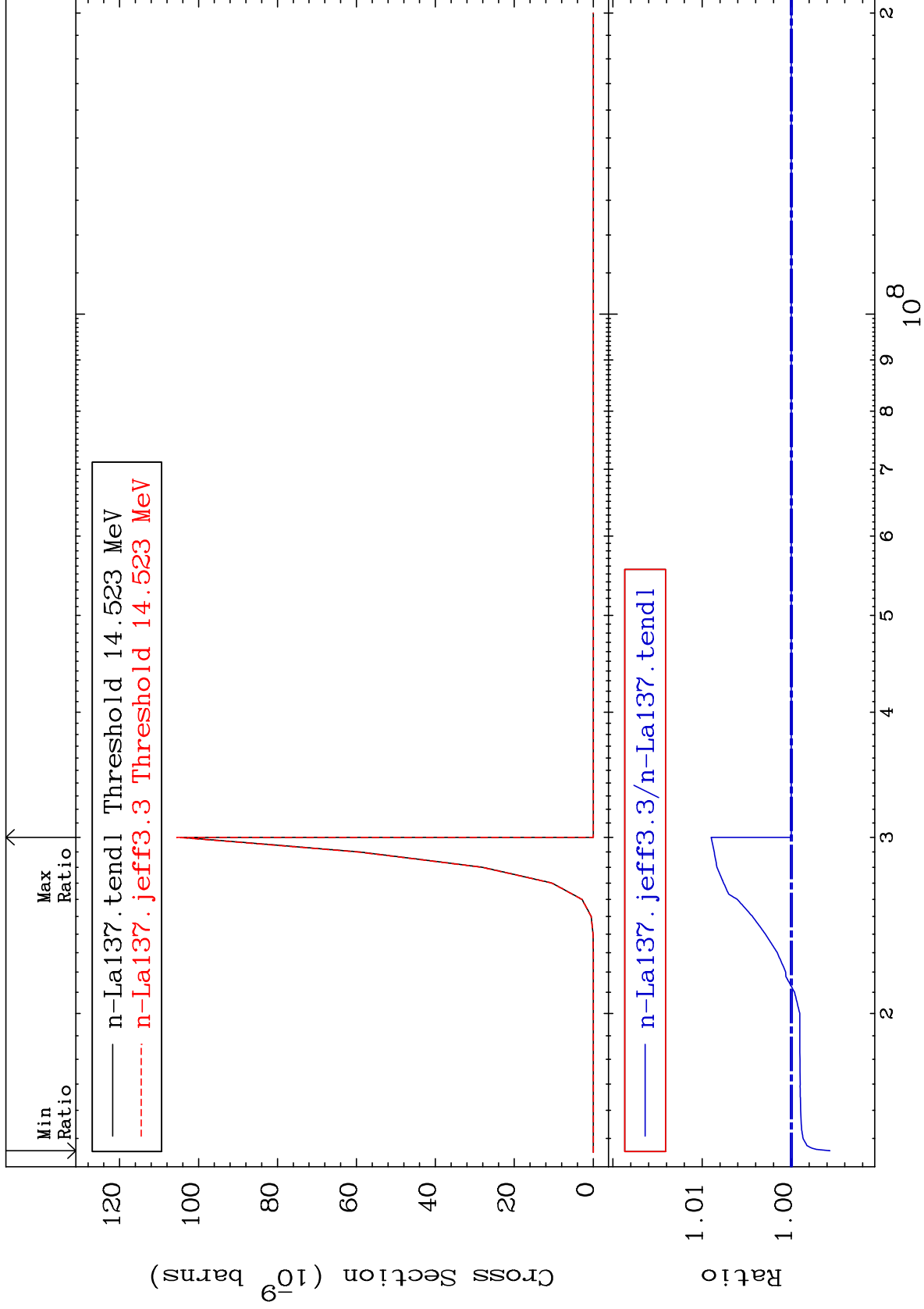
(n, p) d:55-Cs-135m10

57-La-137

Radionuclide Production Cross Section -0.017 To 0.000 %



Radionuclide Production Cross Section -0.424 To 0.899 %



Radionuclide Production Cross Section -1.417 To 0.000 %

