

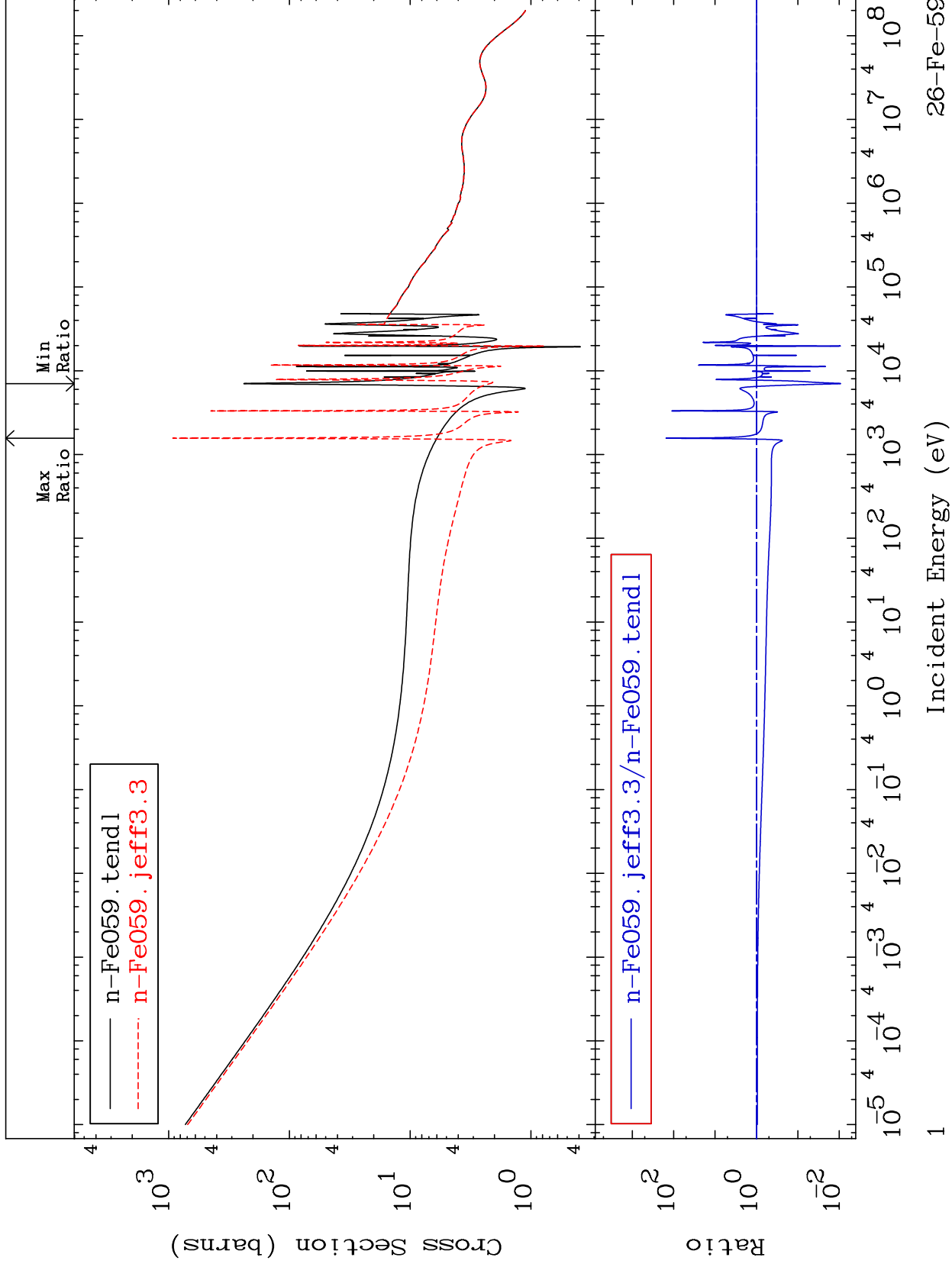
MAT 2640

Total

²⁶Fe-59

Cross Section

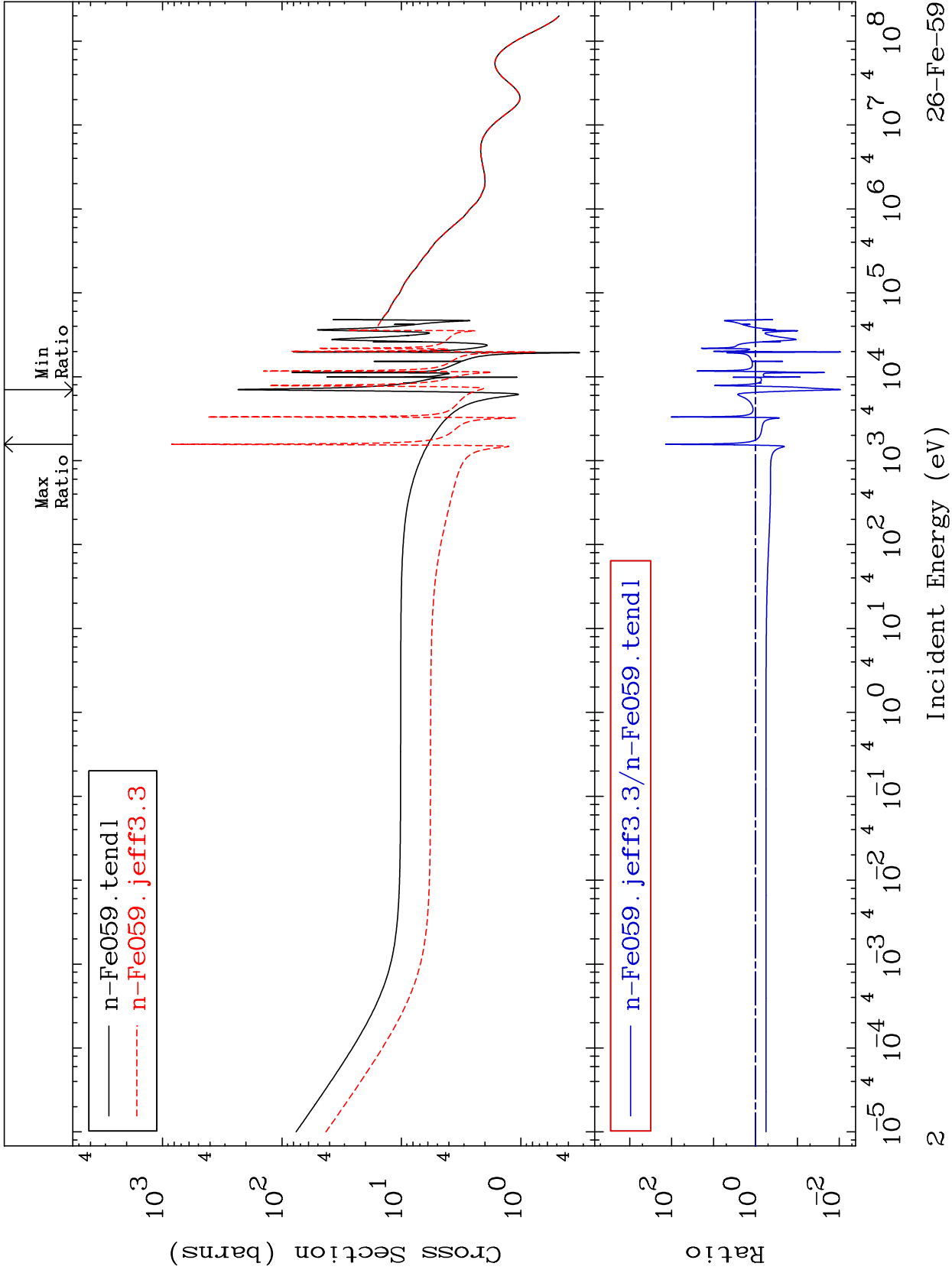
-99.08 To 9999. %



MAT 2640

Elastic
Cross Section

26-Fe-59
-99.07 To 9999. %



26-Fe-59

Incident Energy (eV)

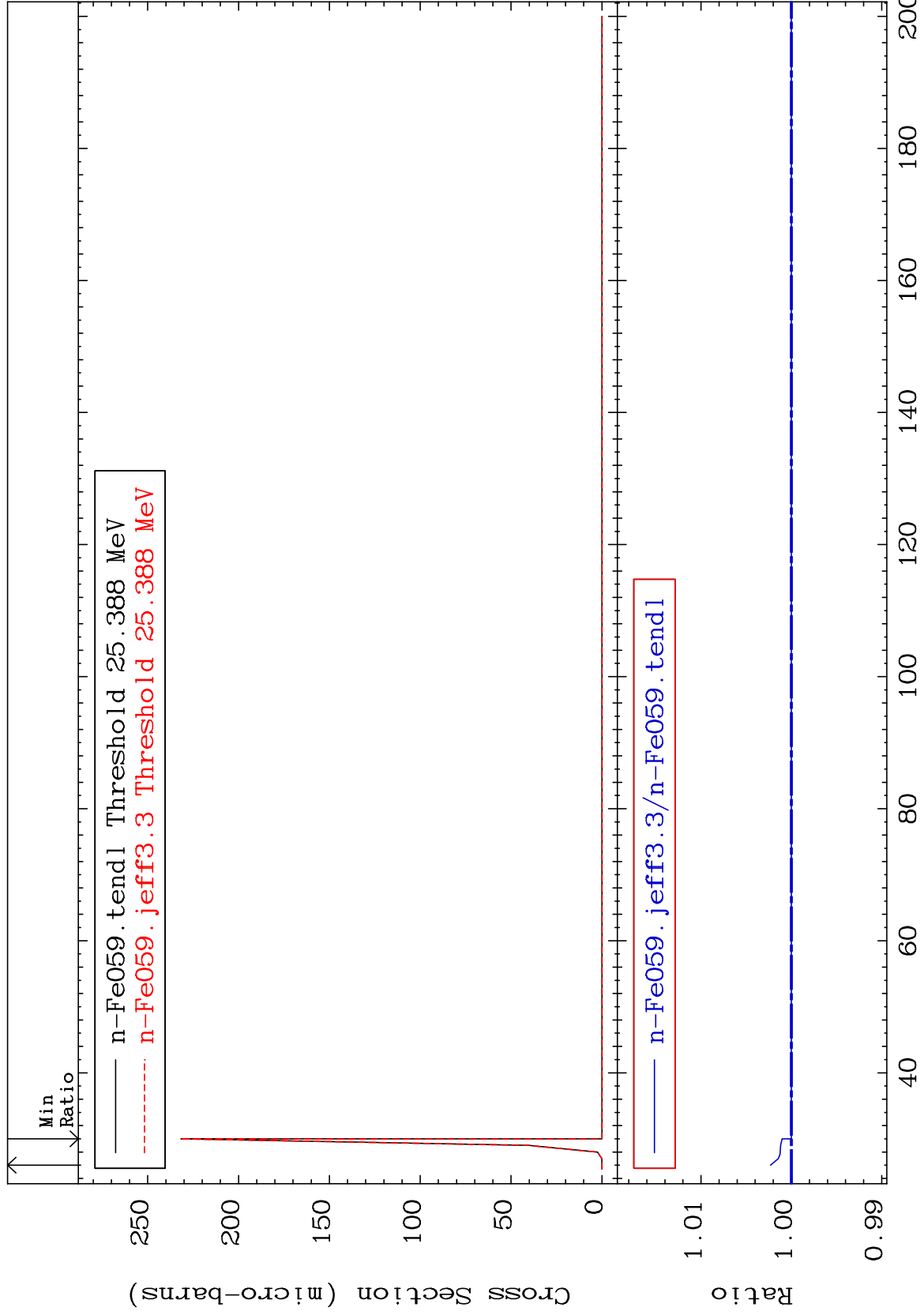
MAT 2640

(n,2n) d

26-Fe-59

Cross Section

0.000 To 0.230 %



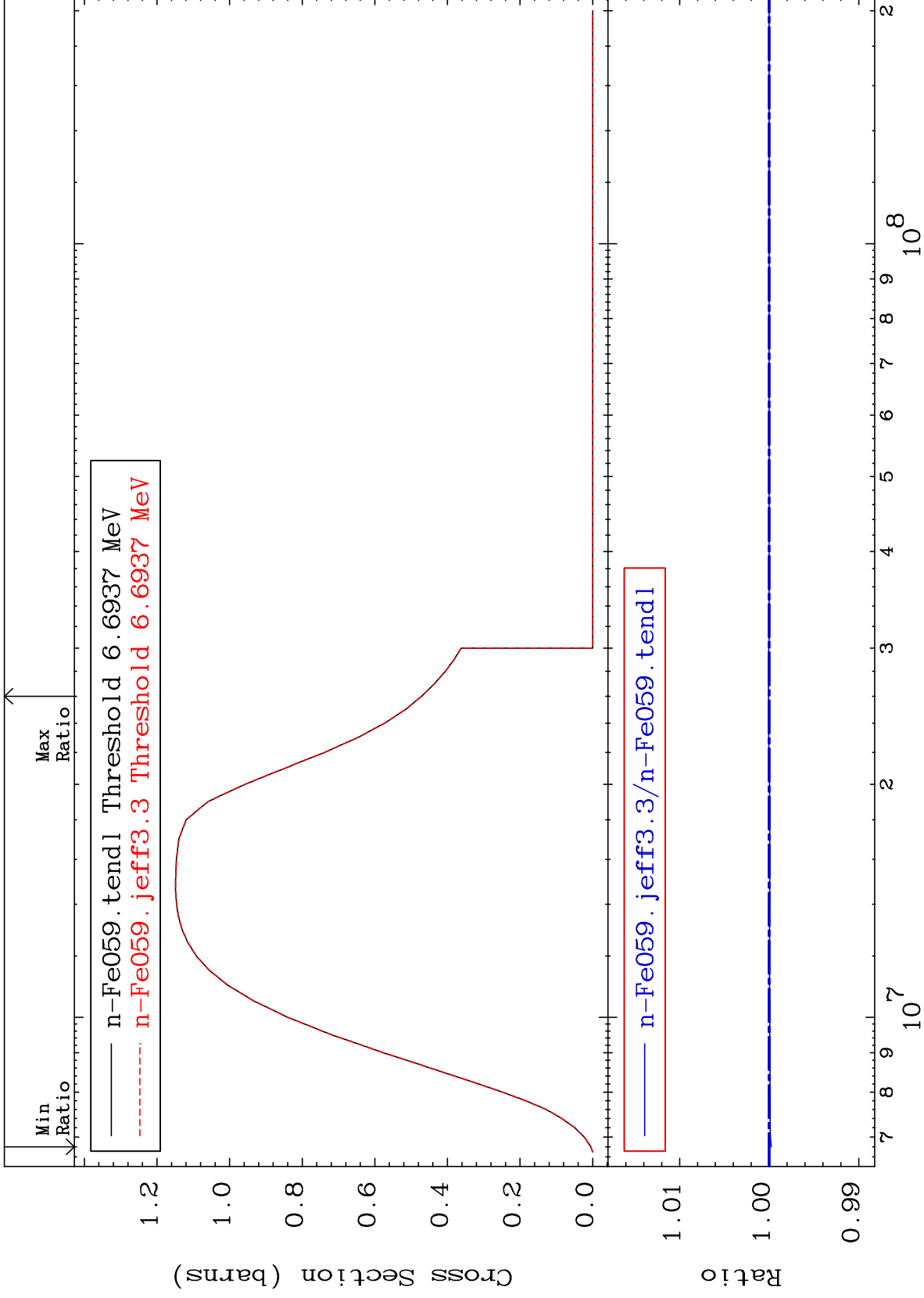
MAT 2640

(n,2n)

²⁶Fe-59

Cross Section

-0.023 To 0.007 %



4

Incident Energy (eV)

²⁶Fe-59

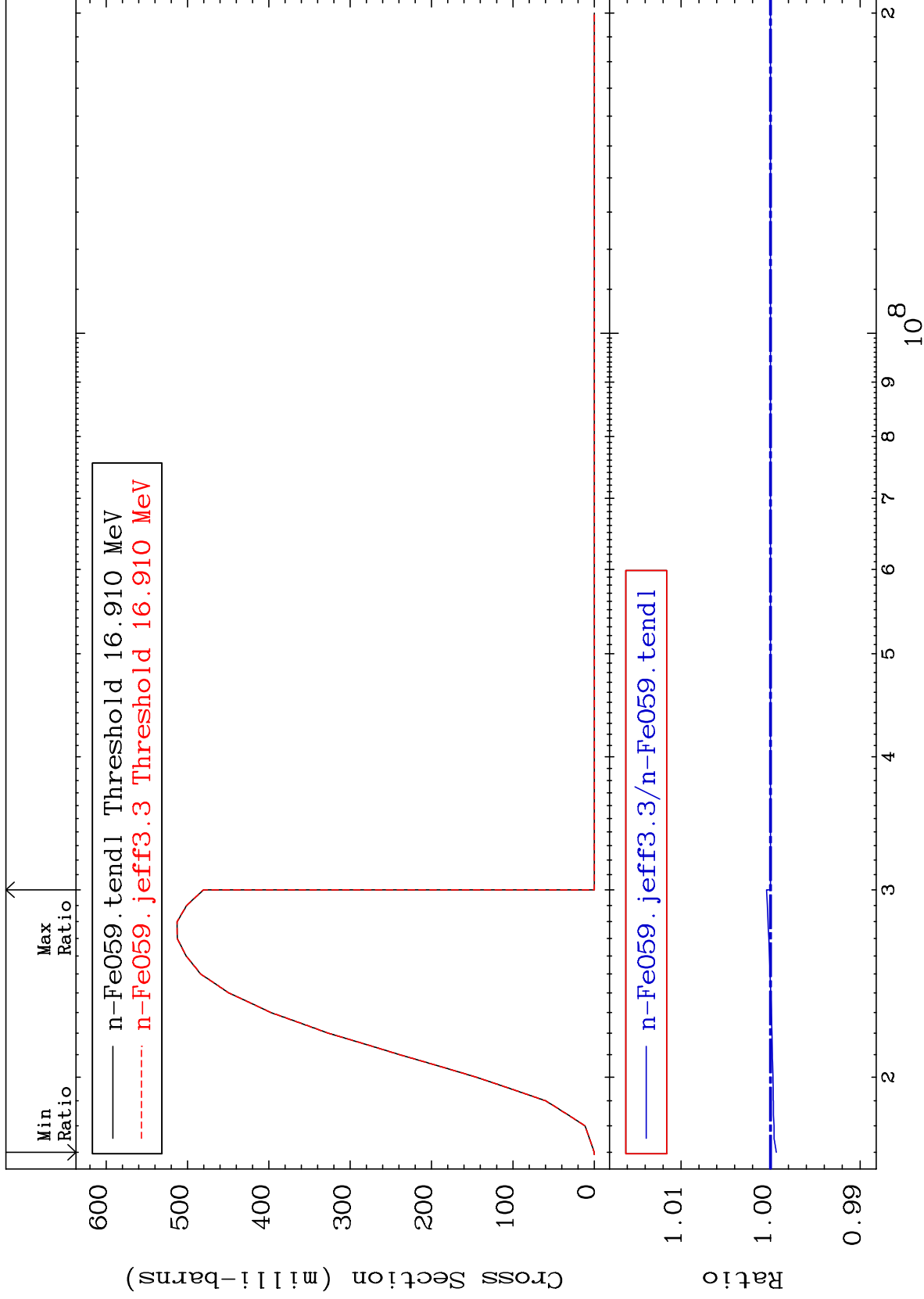
MAT 2640

(n,3n)

26-Fe-59

Cross Section

-0.065 To 0.044 %



5

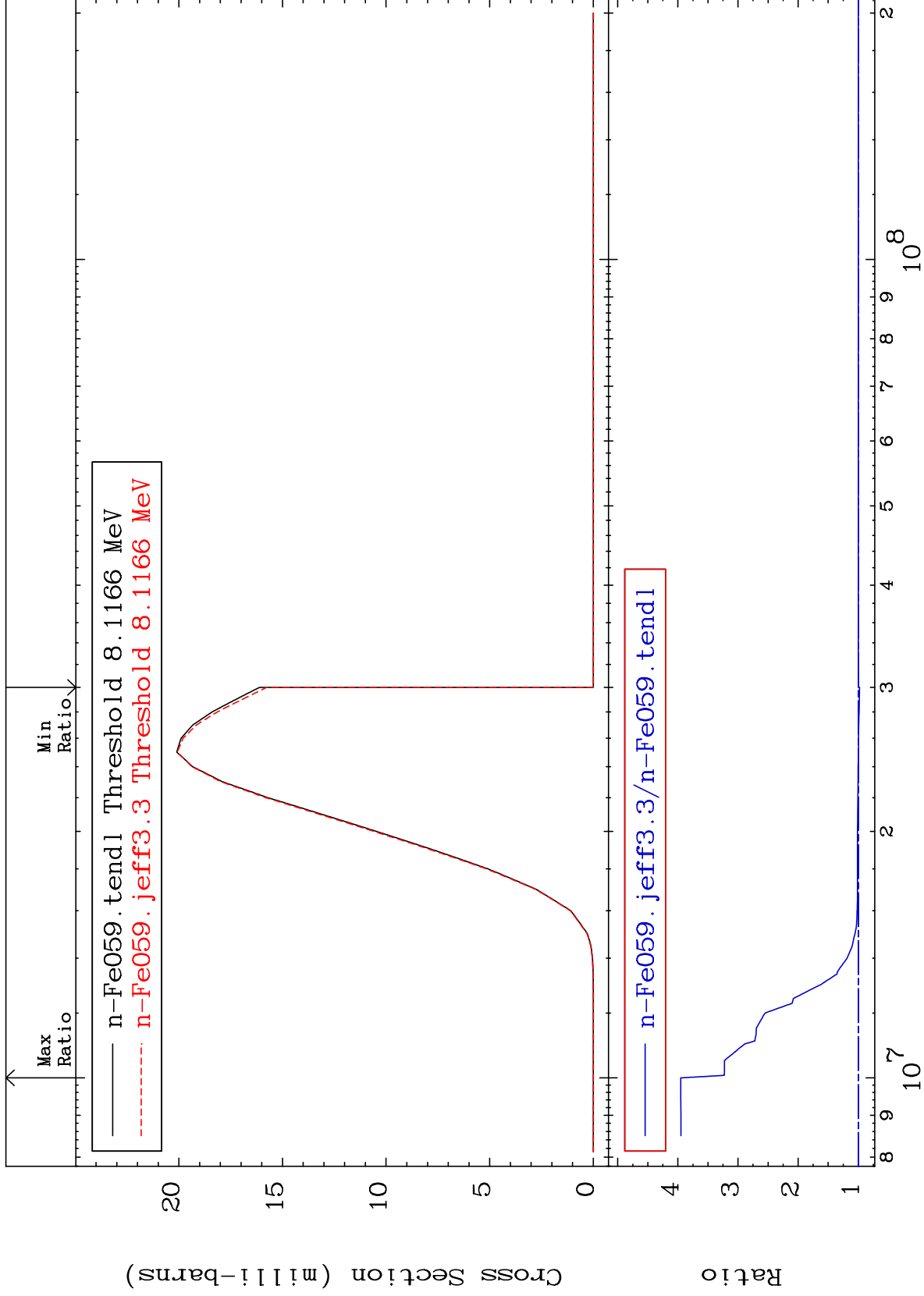
26-Fe-59

26-Fe-59

MAT 2640

(n, n') α
Cross Section

²⁶Fe-59
-2.154 To 295.2 %



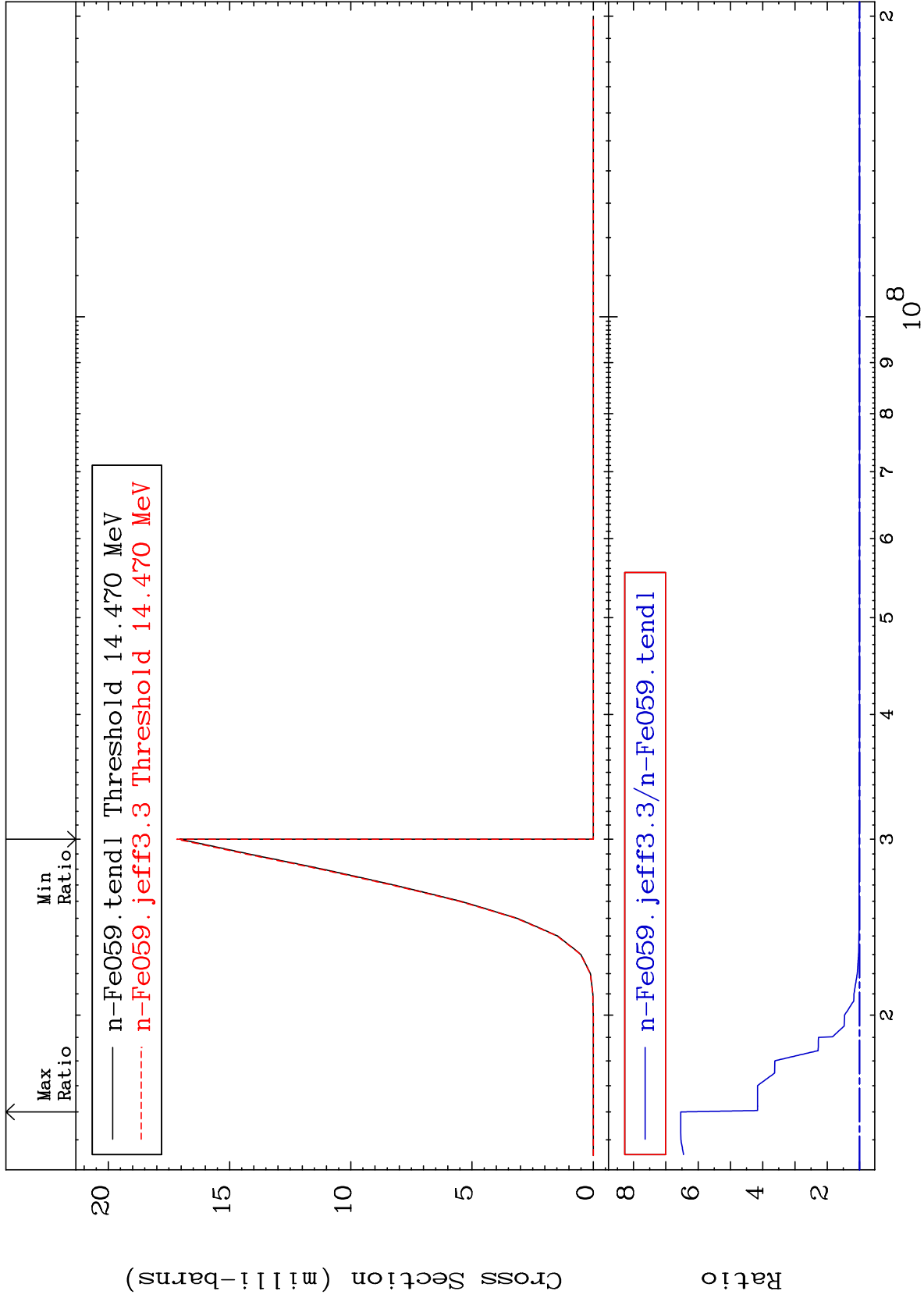
Incident Energy (eV)

²⁶Fe-59

MAT 2640

(n,2n) α
Cross Section

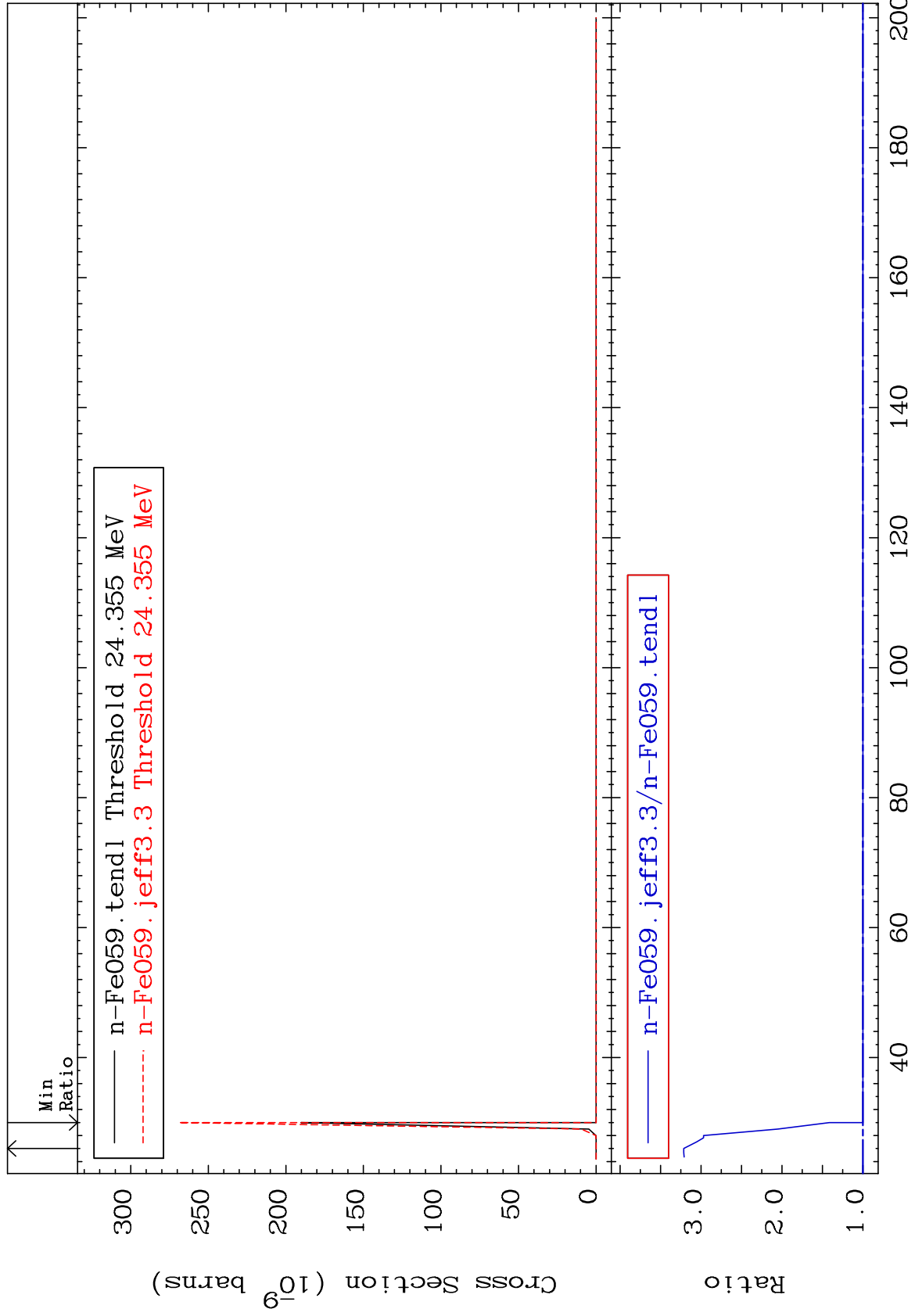
26-Fe-59
0.000 To 553.7 %



MAT 2640

(n,3n) α
Cross Section

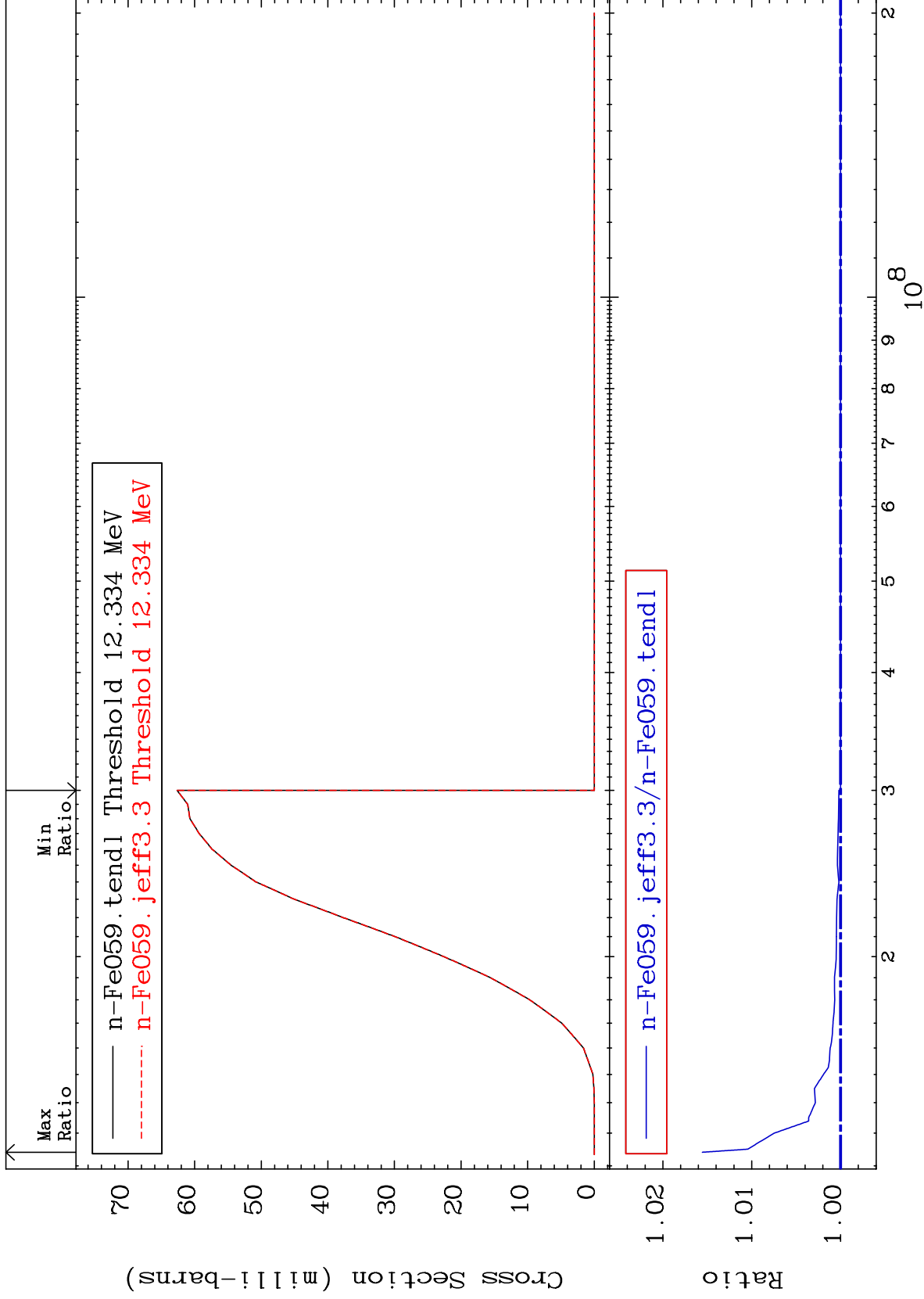
26-Fe-59
To 221.3 %
0.000



MAT 2640

(n,n') p
Cross Section

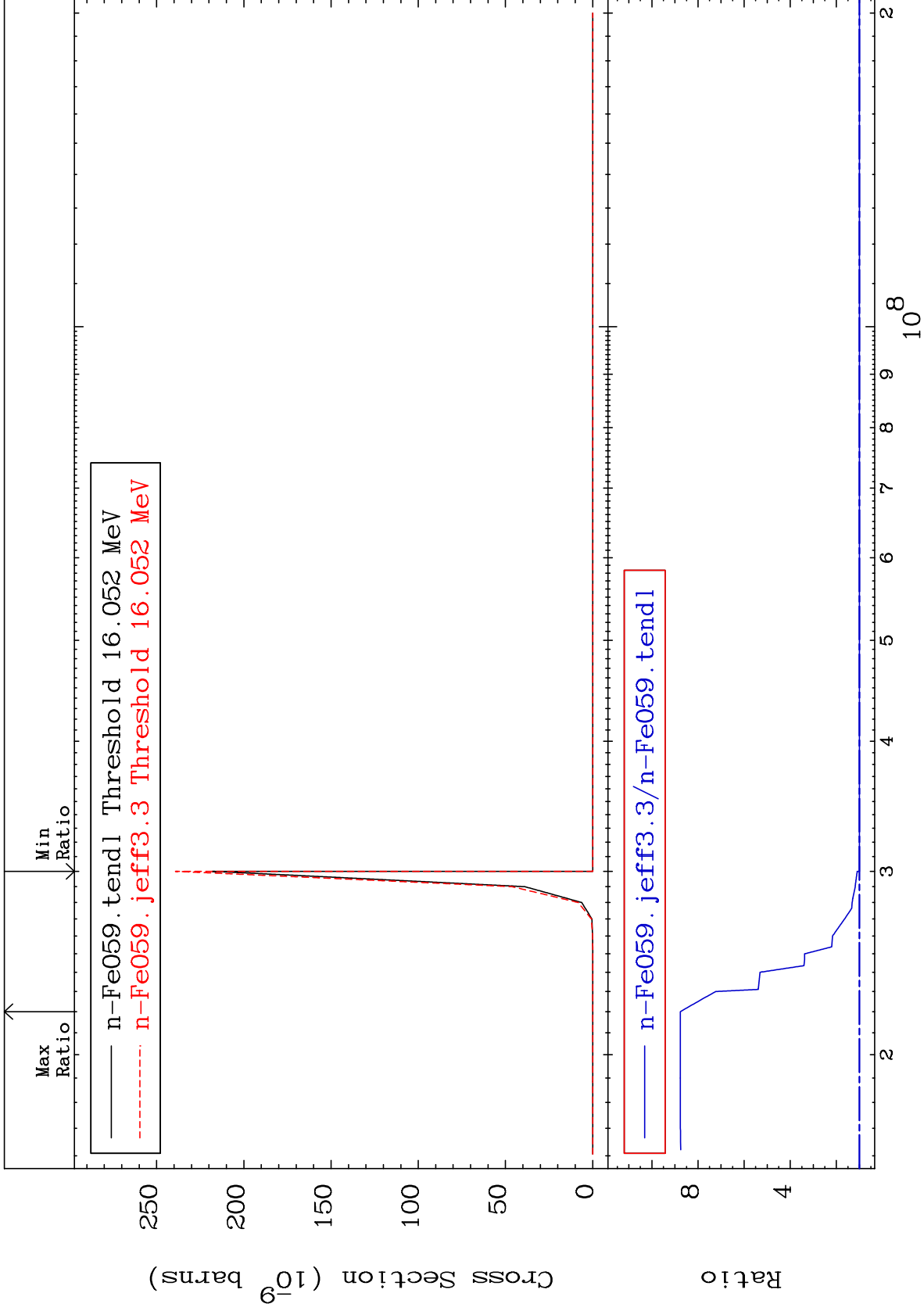
26-Fe-59
To 1.555 %
0.000



MAT 2640

(n, n') 2α
Cross Section

26-Fe-59
To 776.5 %
0.000



10

Incident Energy (eV)

26-Fe-59

MAT 2640

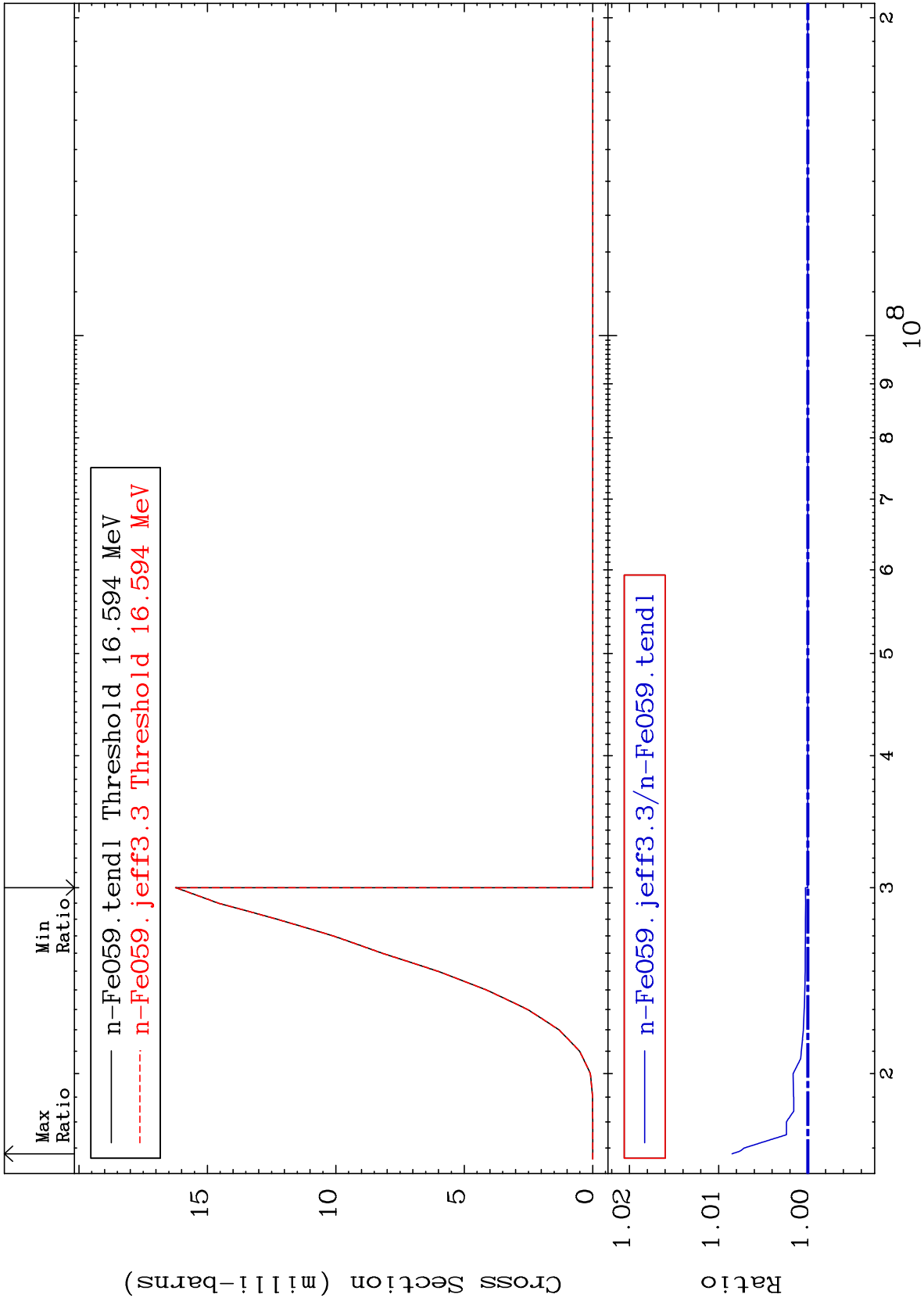
(n,n') d

26-Fe-59

Cross Section

0.000

To 0.850 %



11

Incident Energy (eV)

26-Fe-59

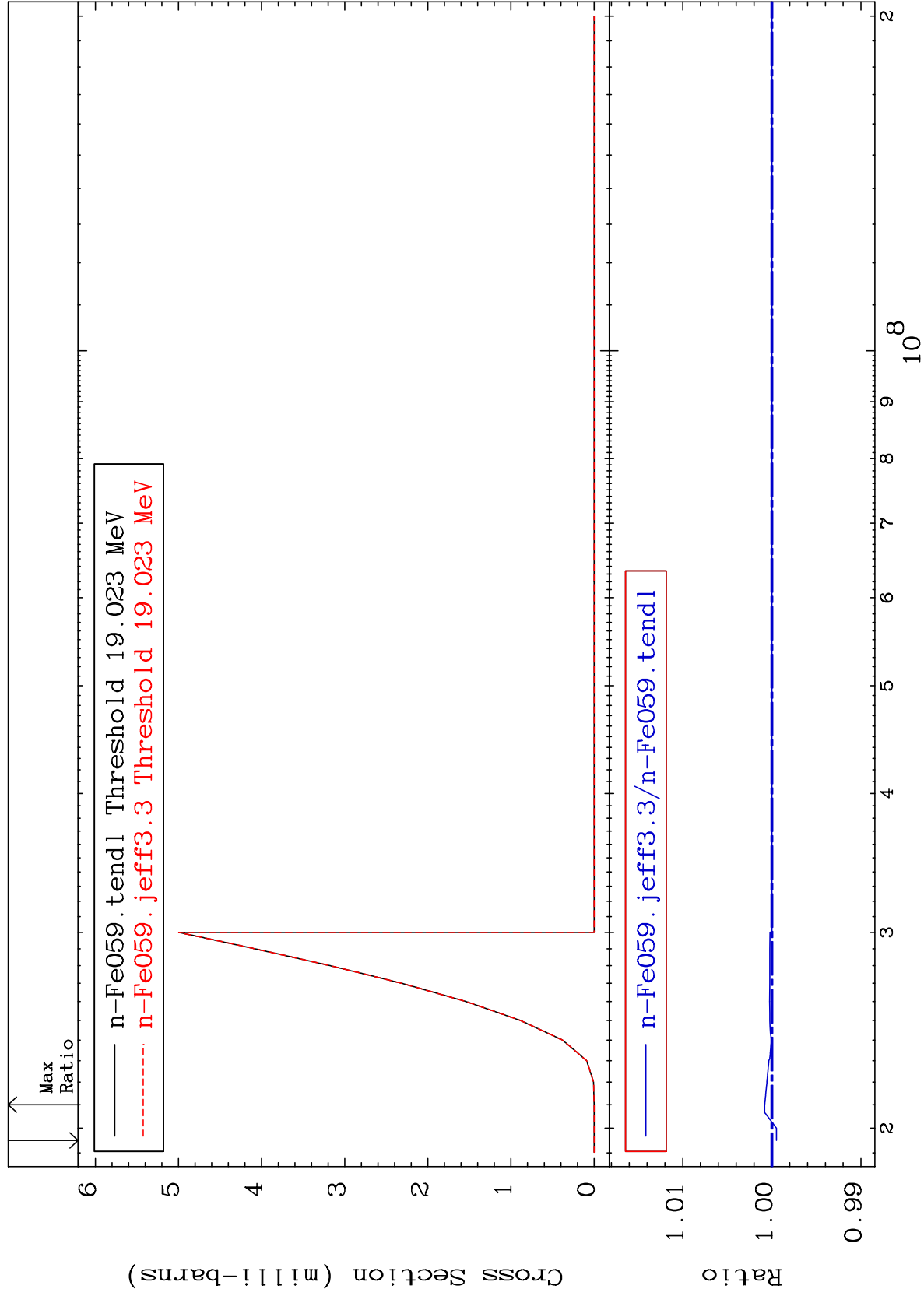
MAT 2640

(n,n') t

26-Fe-59

Cross Section

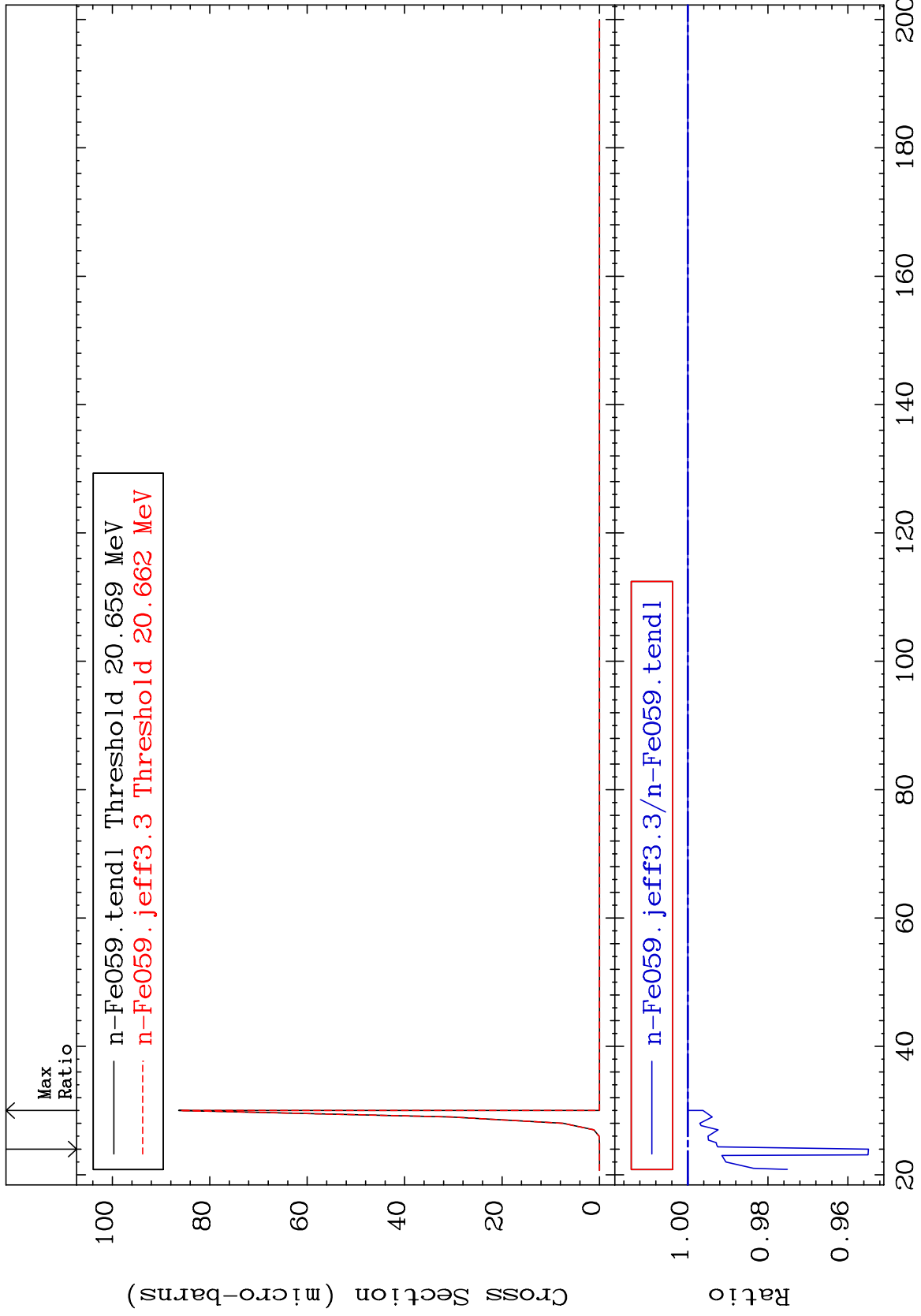
-0.051 To 0.080 %



MAT 2640

(n,n') He-3
Cross Section

26-Fe-59
-4.516 To 0.000 %

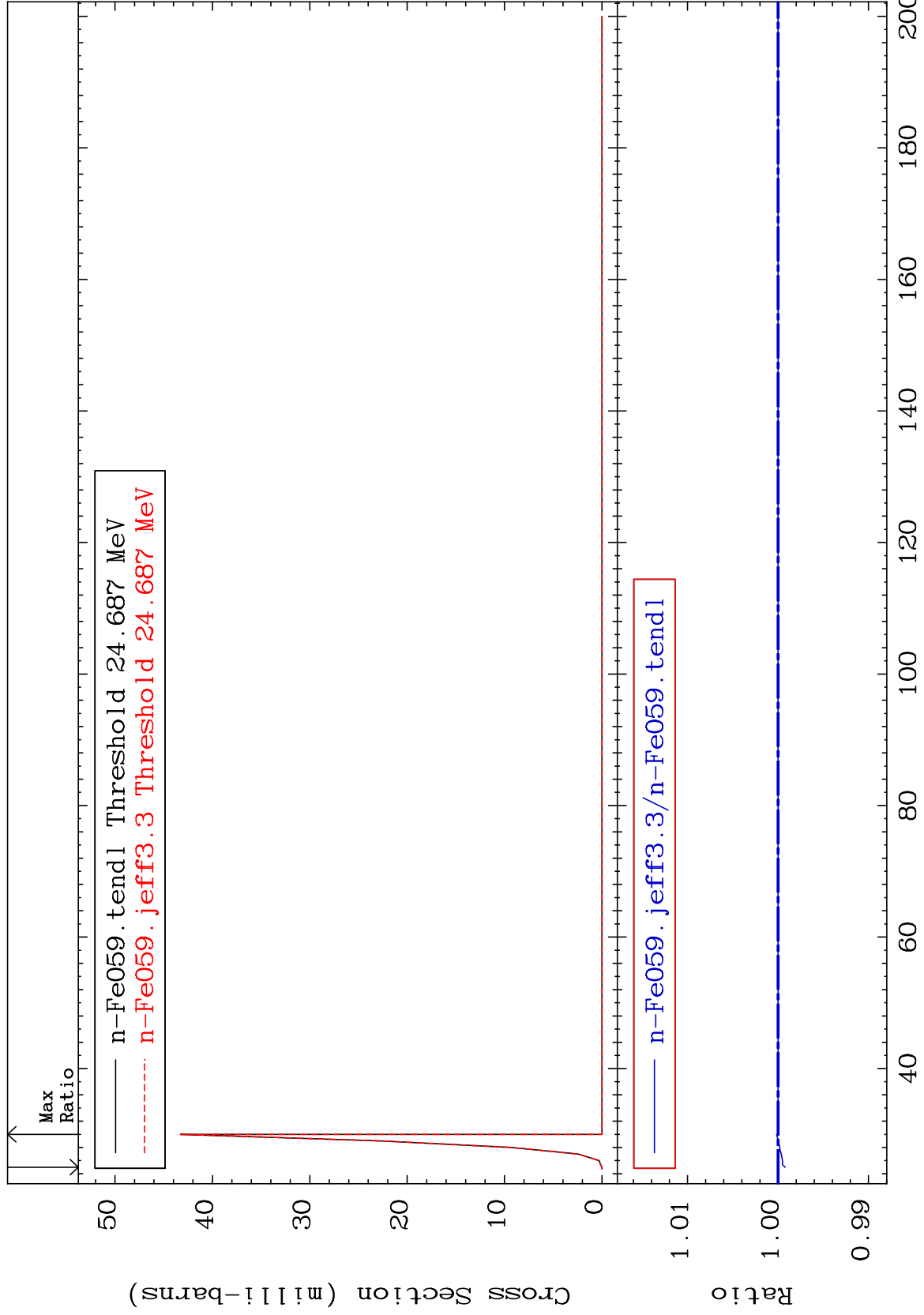


MAT 2640

(n,4n)
Cross Section

²⁶Fe-59

-0.079 To 0.015 %



14

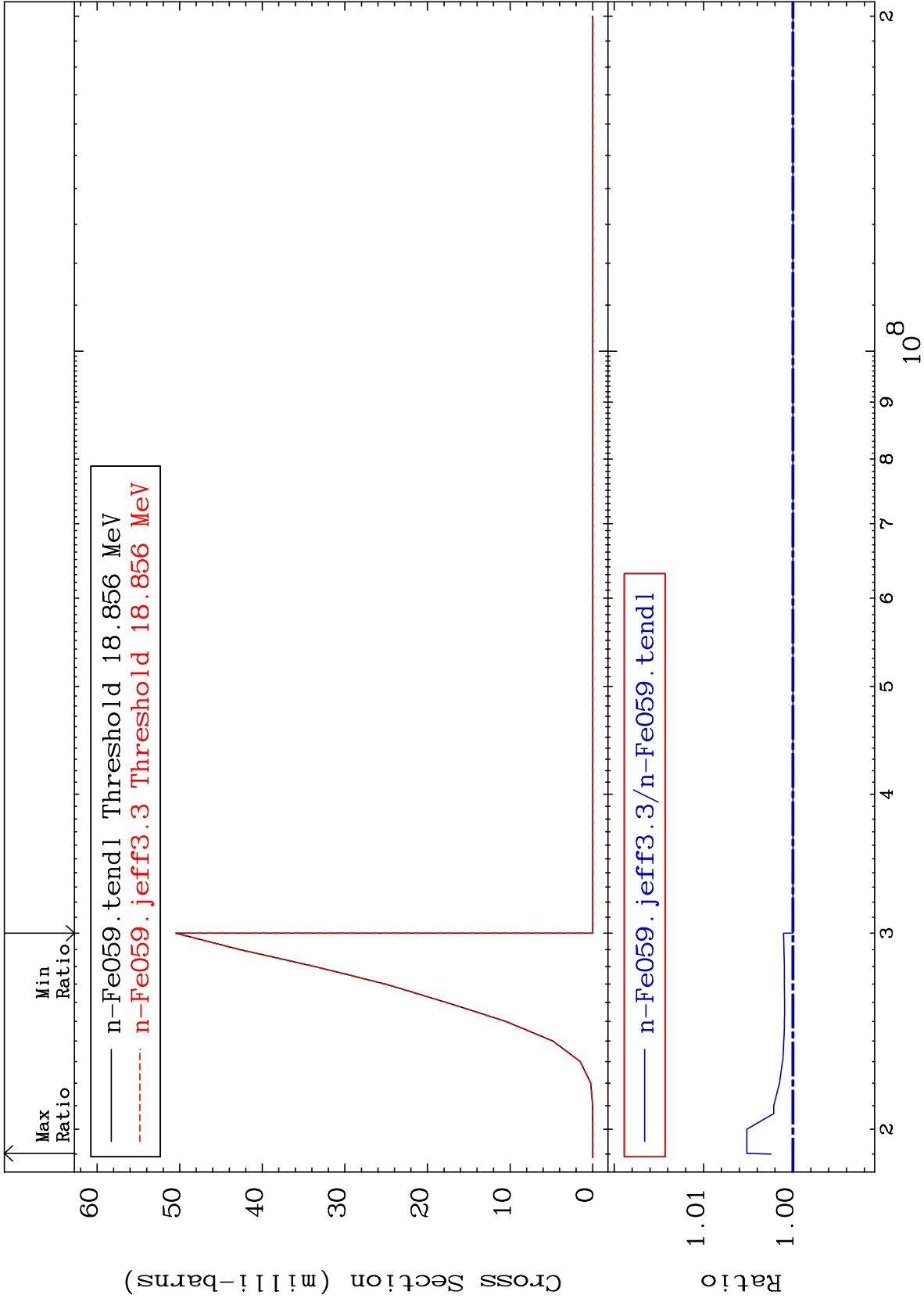
Incident Energy (MeV)

²⁶Fe-59

MAT 2640

(n,2n) p
Cross Section

26-Fe-59
To 0.516 %



15

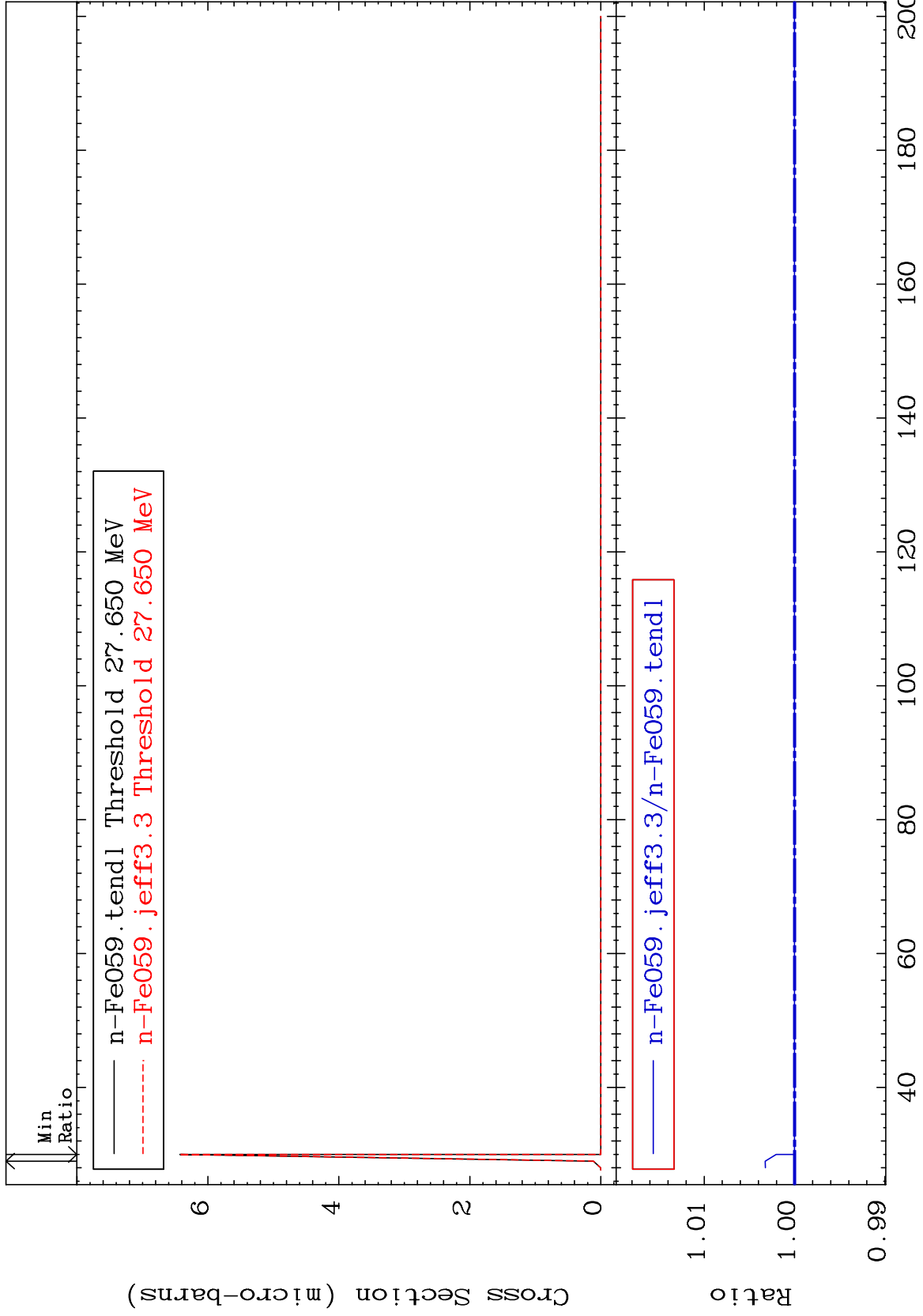
26-Fe-59

26-Fe-59

MAT 2640

(n,3n) p
Cross Section

26-Fe-59
0.000 To 0.325 %



16

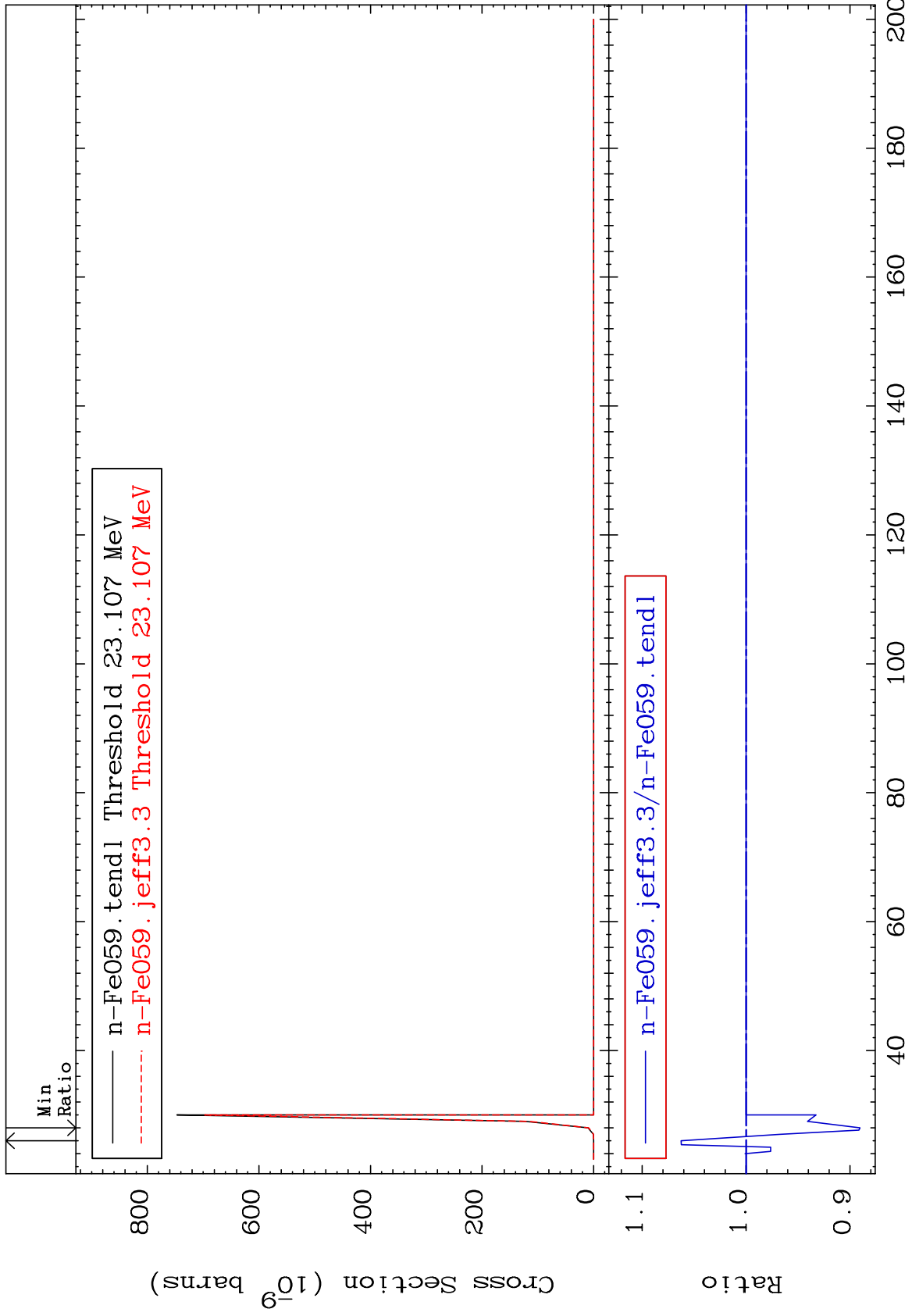
Incident Energy (MeV)

26-Fe-59

MAT 2640

(n,2n) p
Cross Section

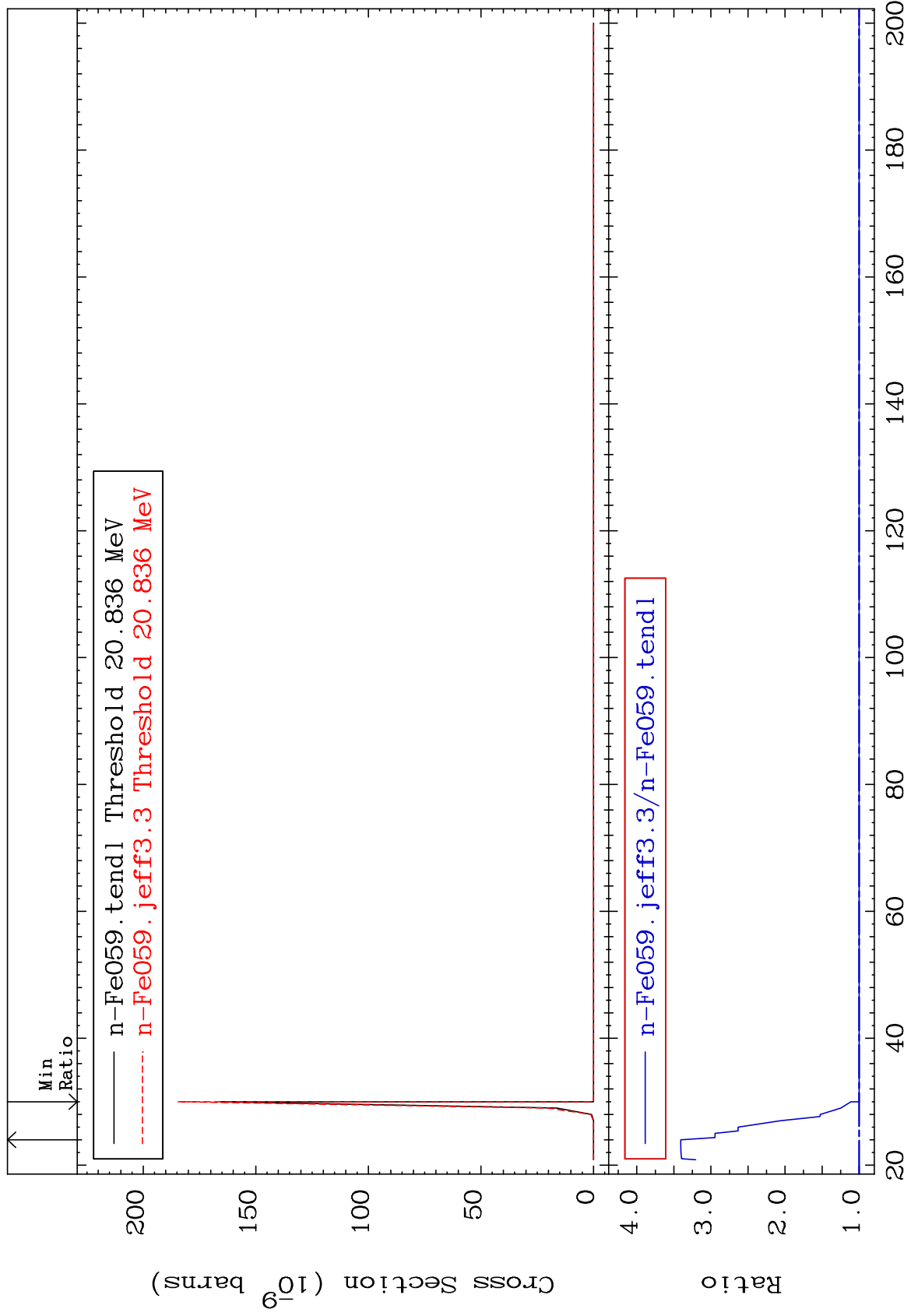
²⁶Fe-59
-10.96 To 6.250 %



MAT 2640

(n,n') p α
Cross Section

26-Fe-59
0.000 To 240.7 %



18

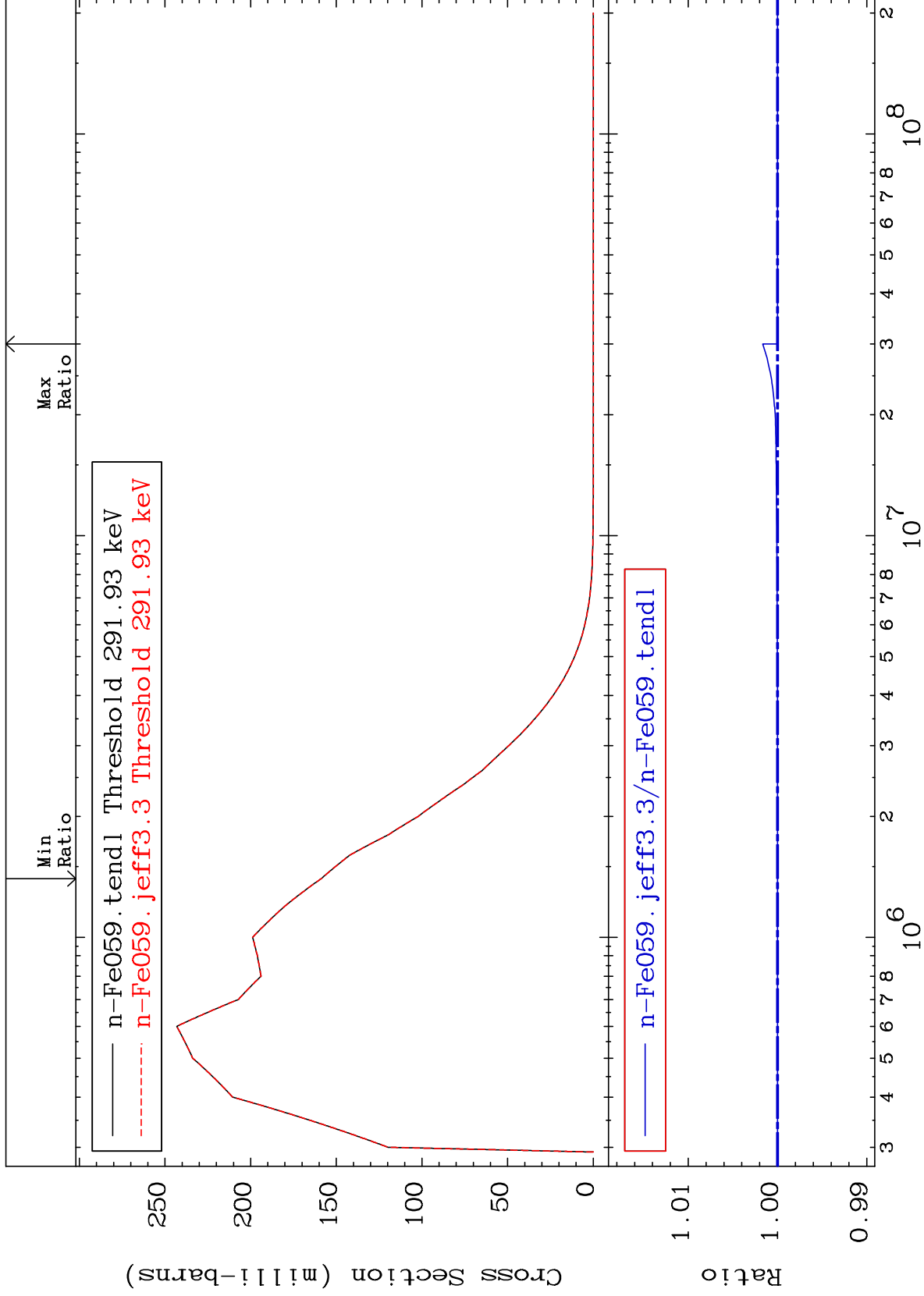
Incident Energy (MeV)

26-Fe-59

MAT 2640

MT= 51 (n,n') Level
Cross Section

26-Fe-59
0.000 To 0.166 %



19

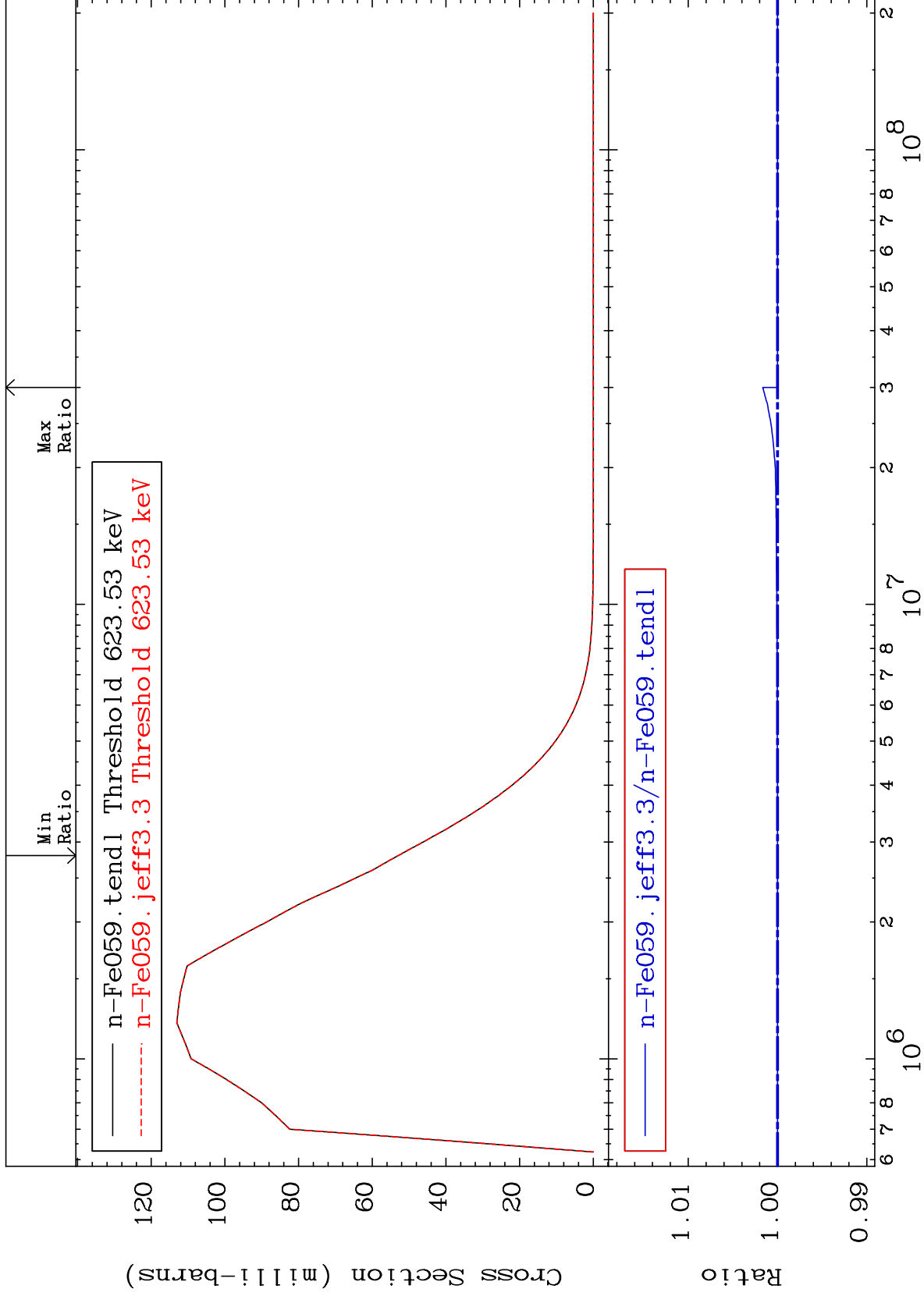
Incident Energy (eV)

26-Fe-59

MAT 2640

MT= 54 (n,n') Level
Cross Section

26-Fe-59
0.000 To 0.166 %



20

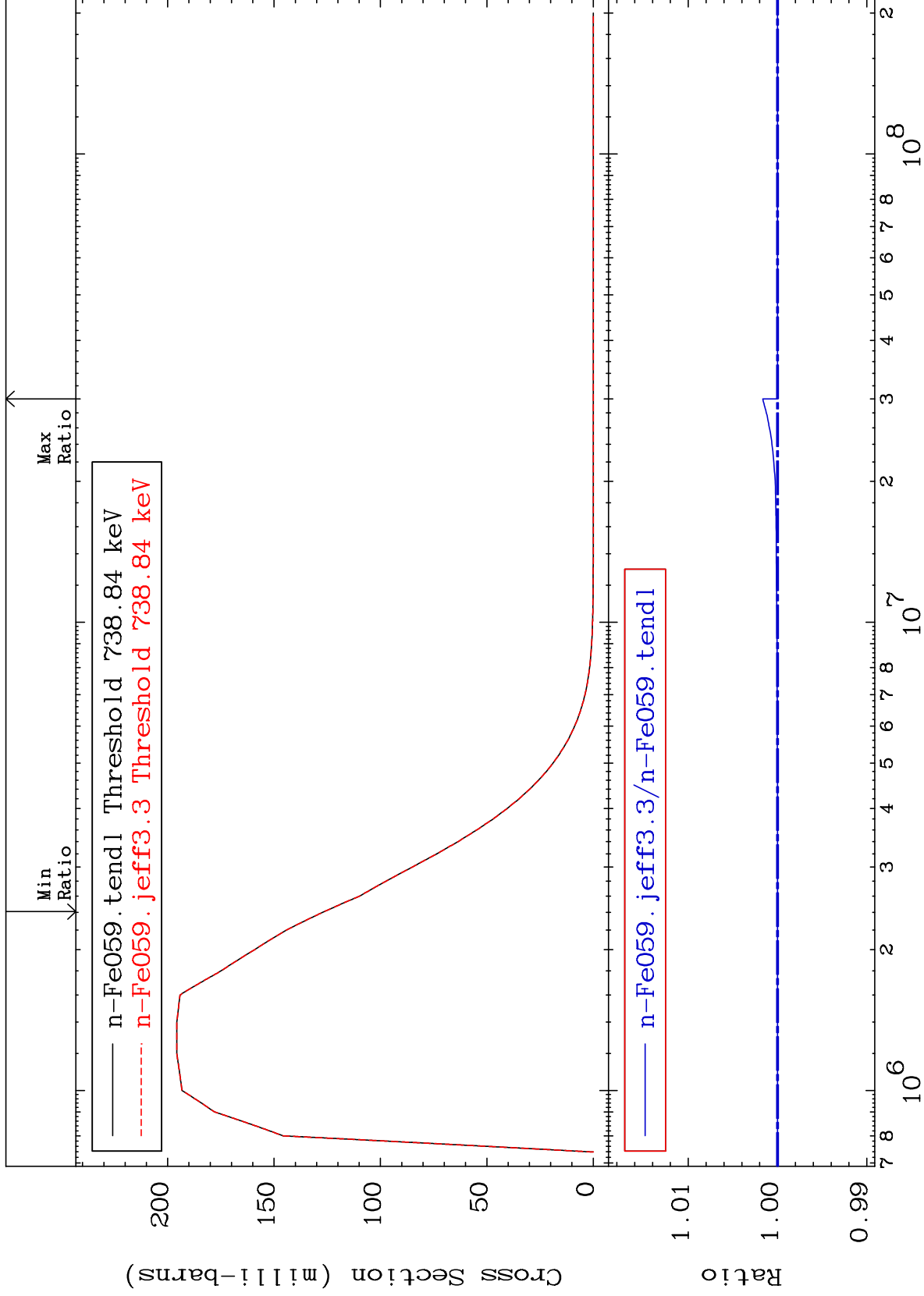
Incident Energy (eV)

26-Fe-59

MAT 2640

MT= 56 (n,n') Level
Cross Section

26-Fe-59
0.000 To 0.167 %



21

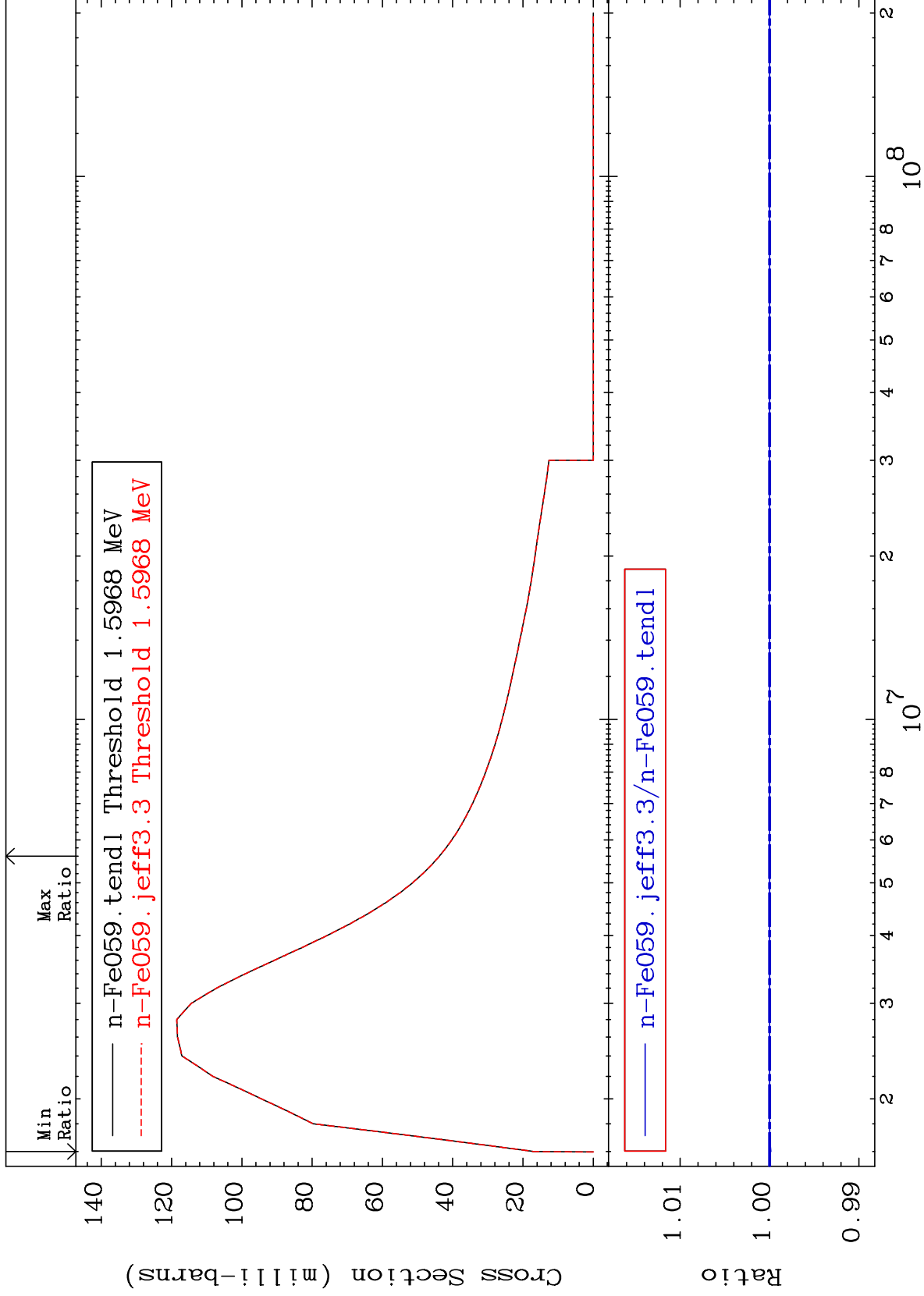
Incident Energy (eV)

26-Fe-59

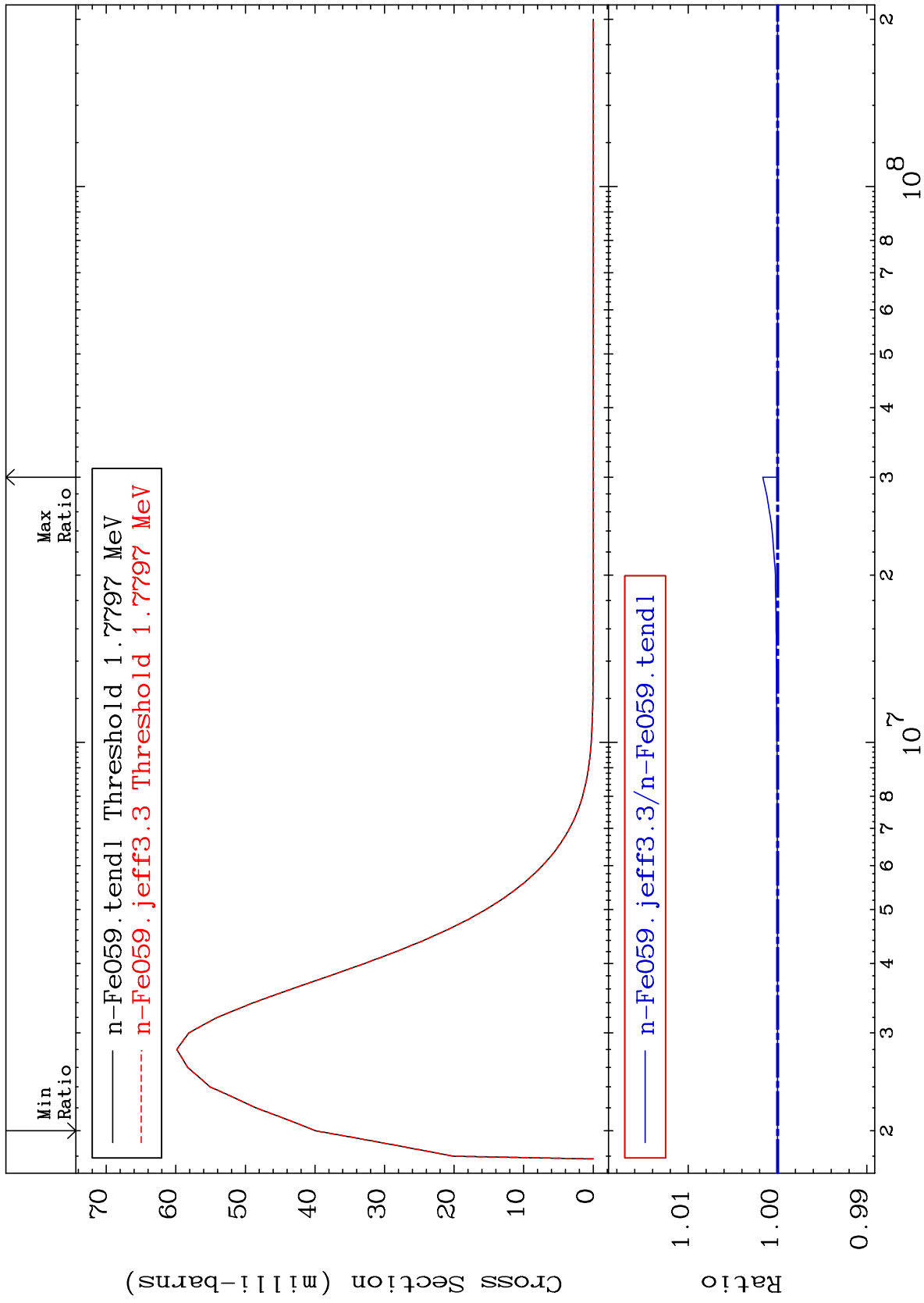
MAT 2640

MT= 62 (n,n') Level
Cross Section

26-Fe-59
-0.014 To 0.000 %



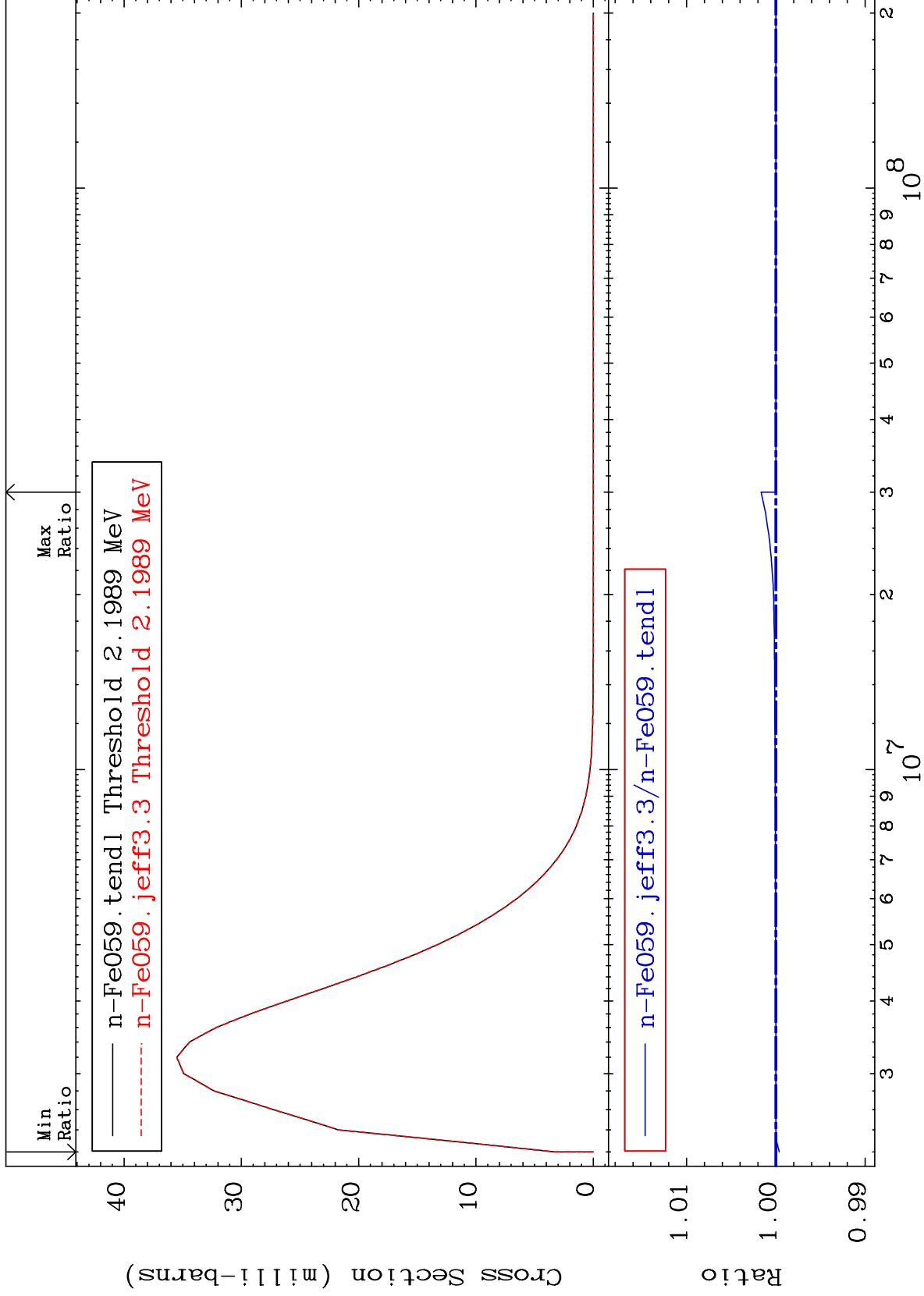
MAT 2640 MT= 64 (n,n') Level Cross Section 26-Fe-59 To 0.167 %



MAT 2640

MT= 67 (n,n') Level
Cross Section

26-Fe-59
-0.038 To 0.166 %



24

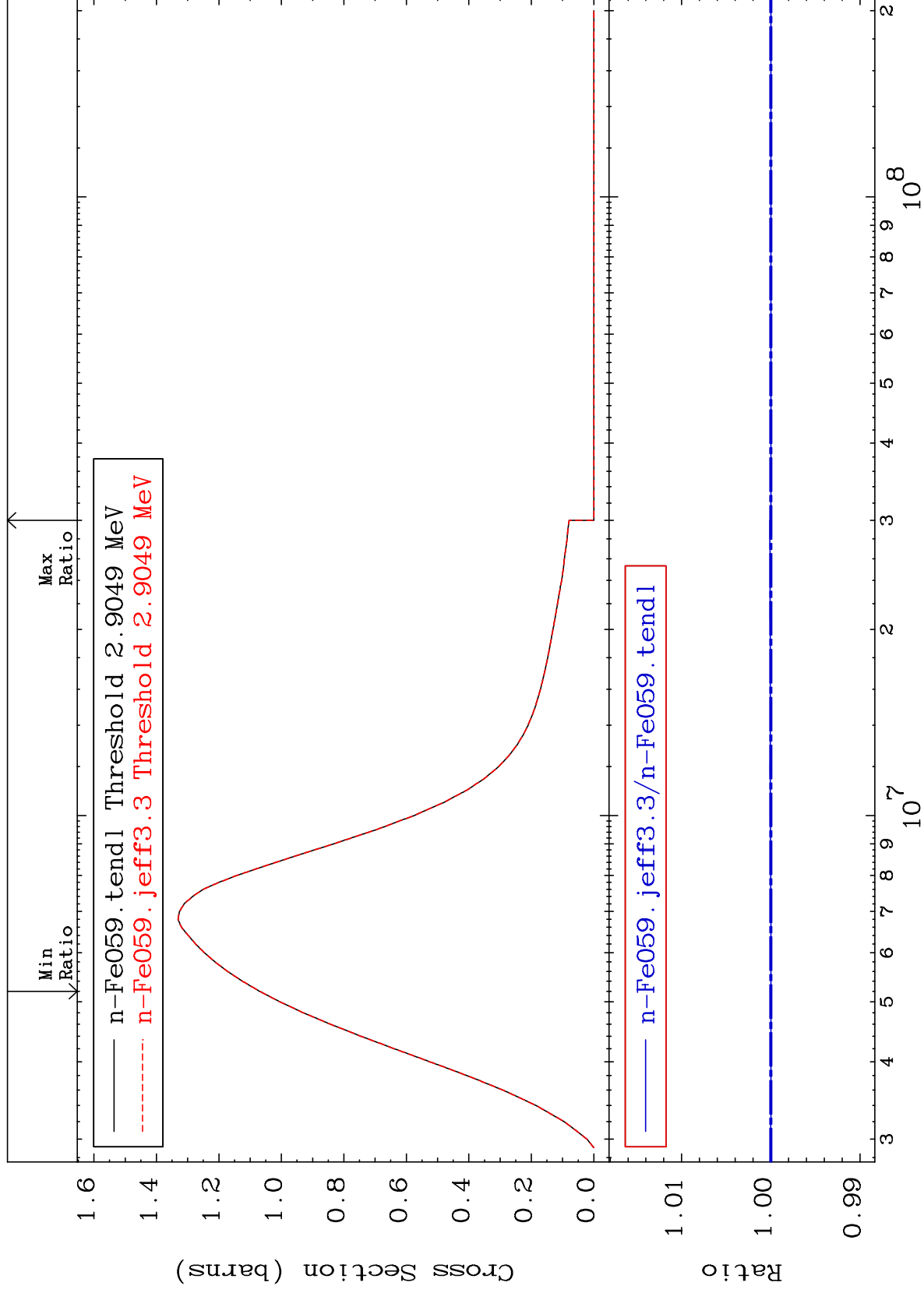
Incident Energy (eV)

26-Fe-59

MAT 2640

(n, n') Continuum
Cross Section

26-Fe-59
-0.002 To 0.011 %



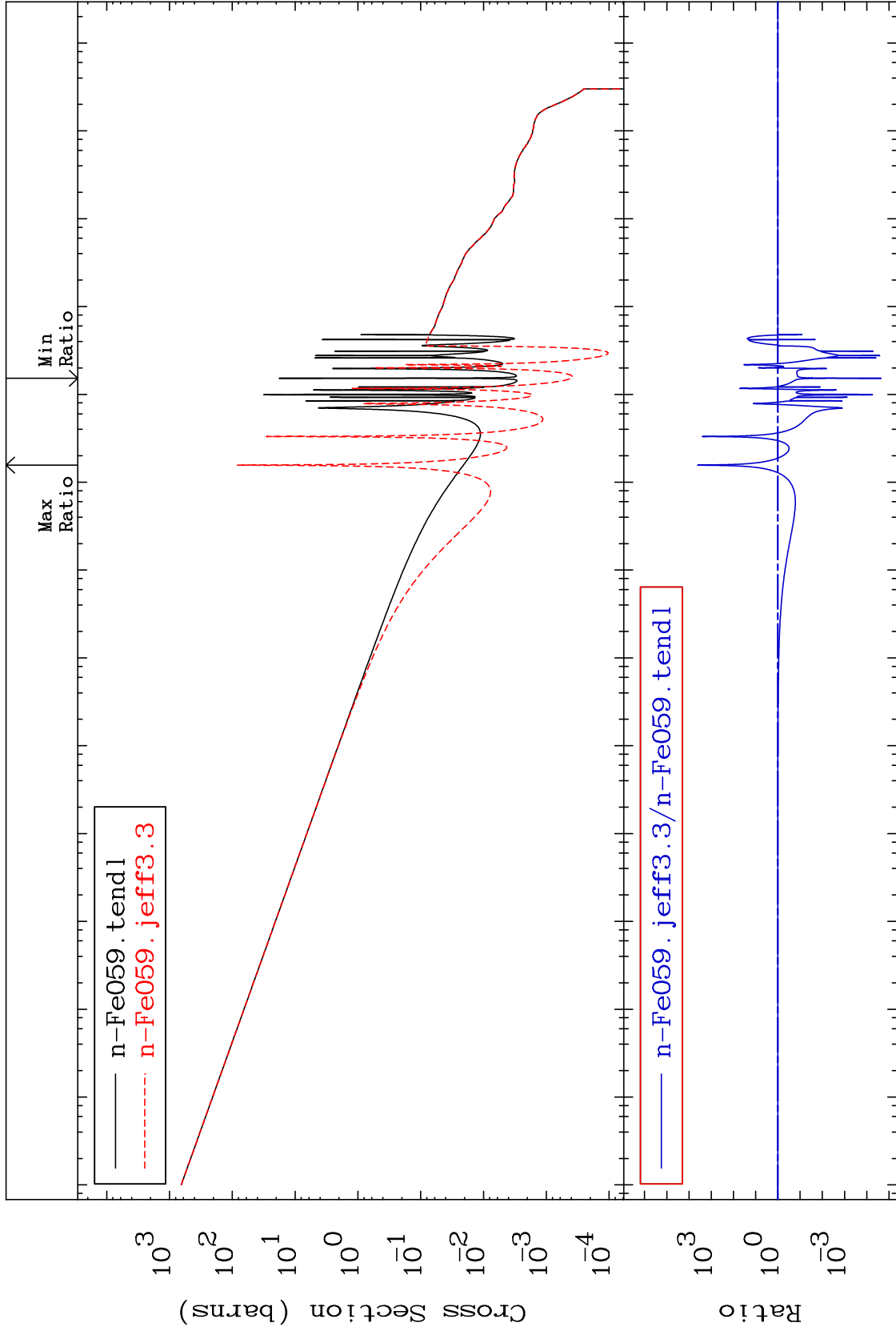
MAT 2640

²⁶Fe-59

-100.0 To 9999. %

(n, γ)

Cross Section



26

Incident Energy (eV)

²⁶Fe-59

MAT 2640

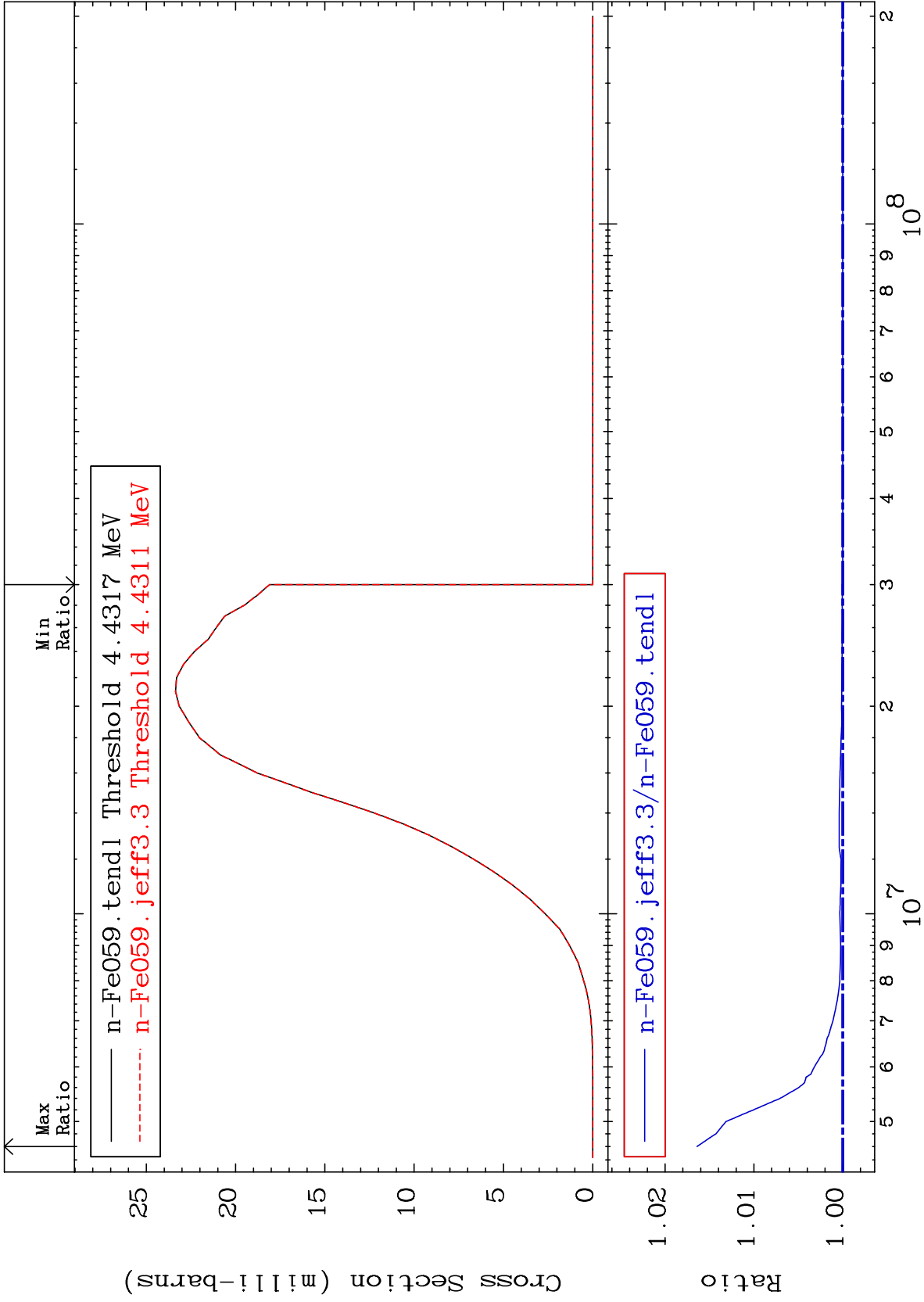
(n, p)

²⁶Fe-59

Cross Section

0.000

To 1.641 %



27

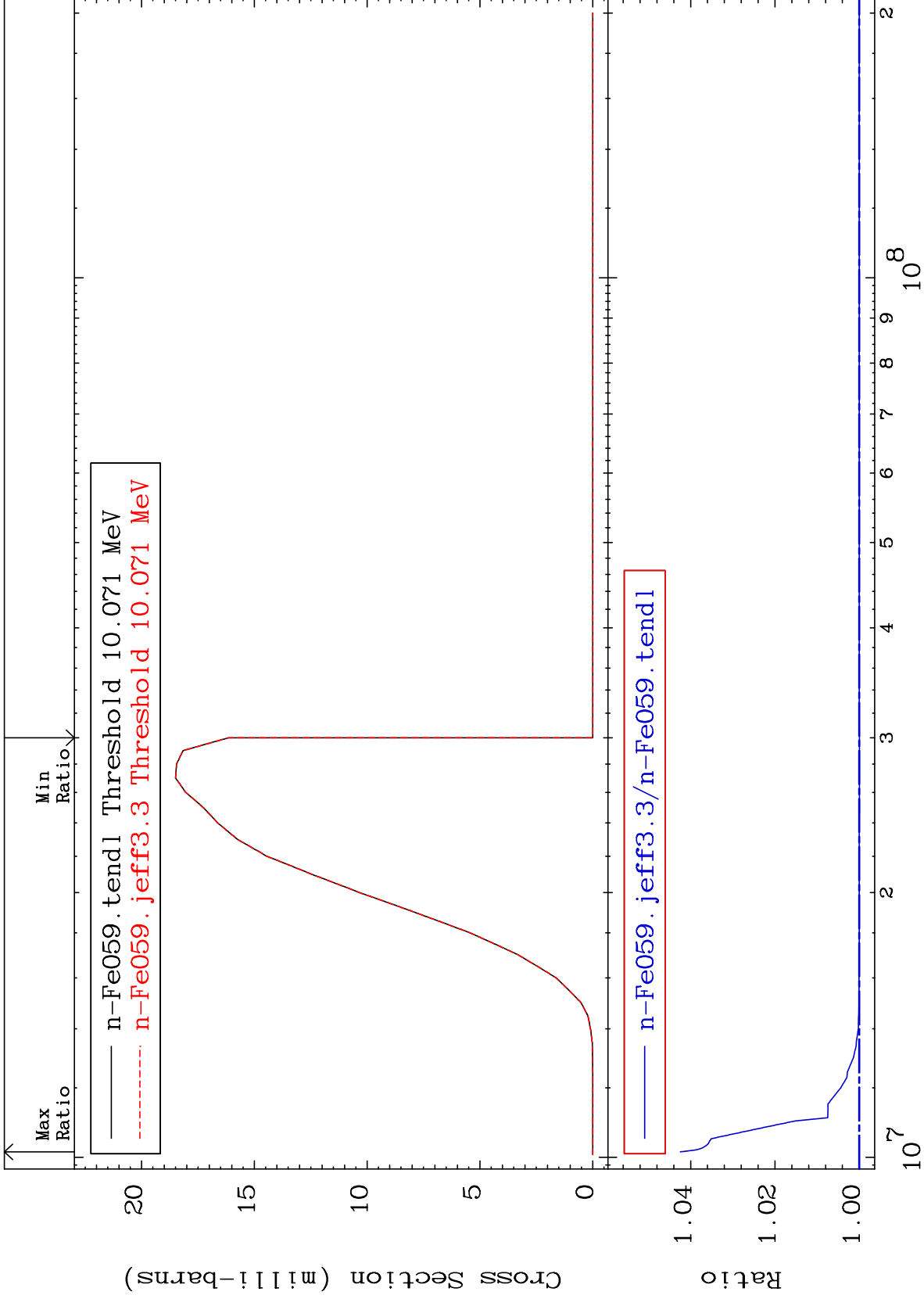
Incident Energy (eV)

²⁶Fe-59

MAT 2640

(n, d)
Cross Section

²⁶-Fe-59
-0.004 To 4.244 %



28

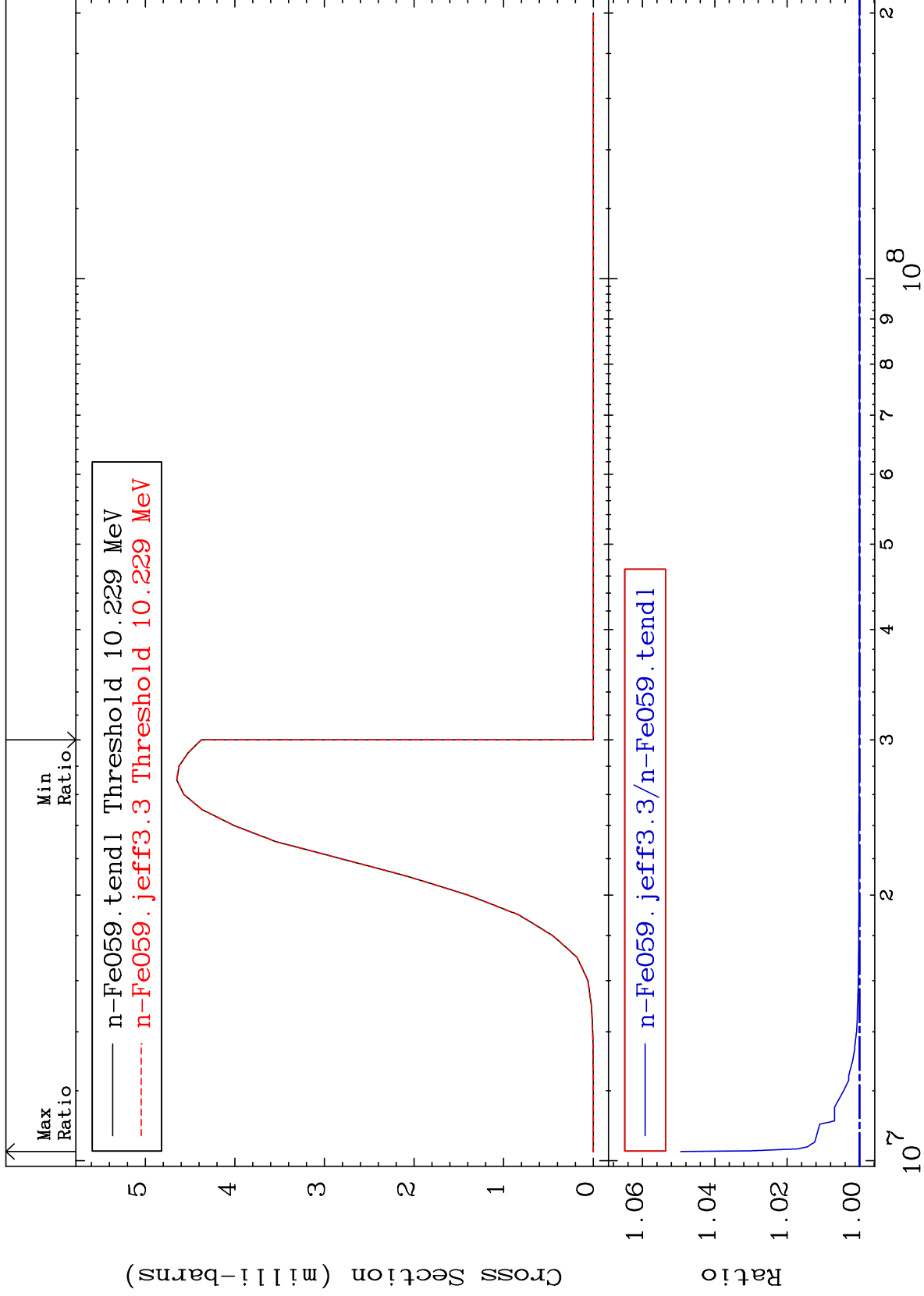
Incident Energy (eV)

²⁶-Fe-59

MAT 2640

(n, t)
Cross Section

26-Fe-59
0.000 To 4.942 %



MAT 2640

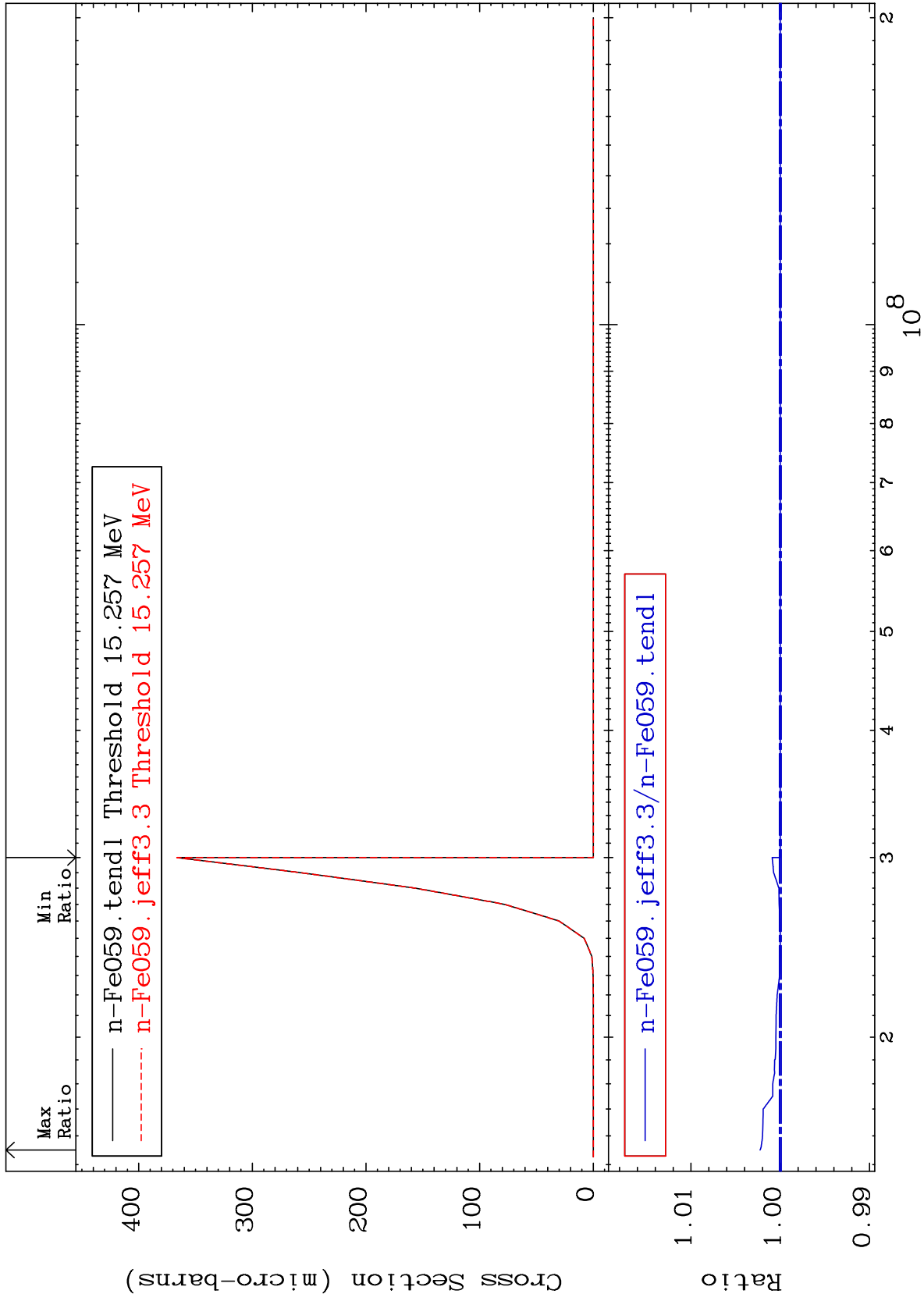
(n, He-3)

26-Fe-59

Cross Section

0.000

To 0.227 %



30

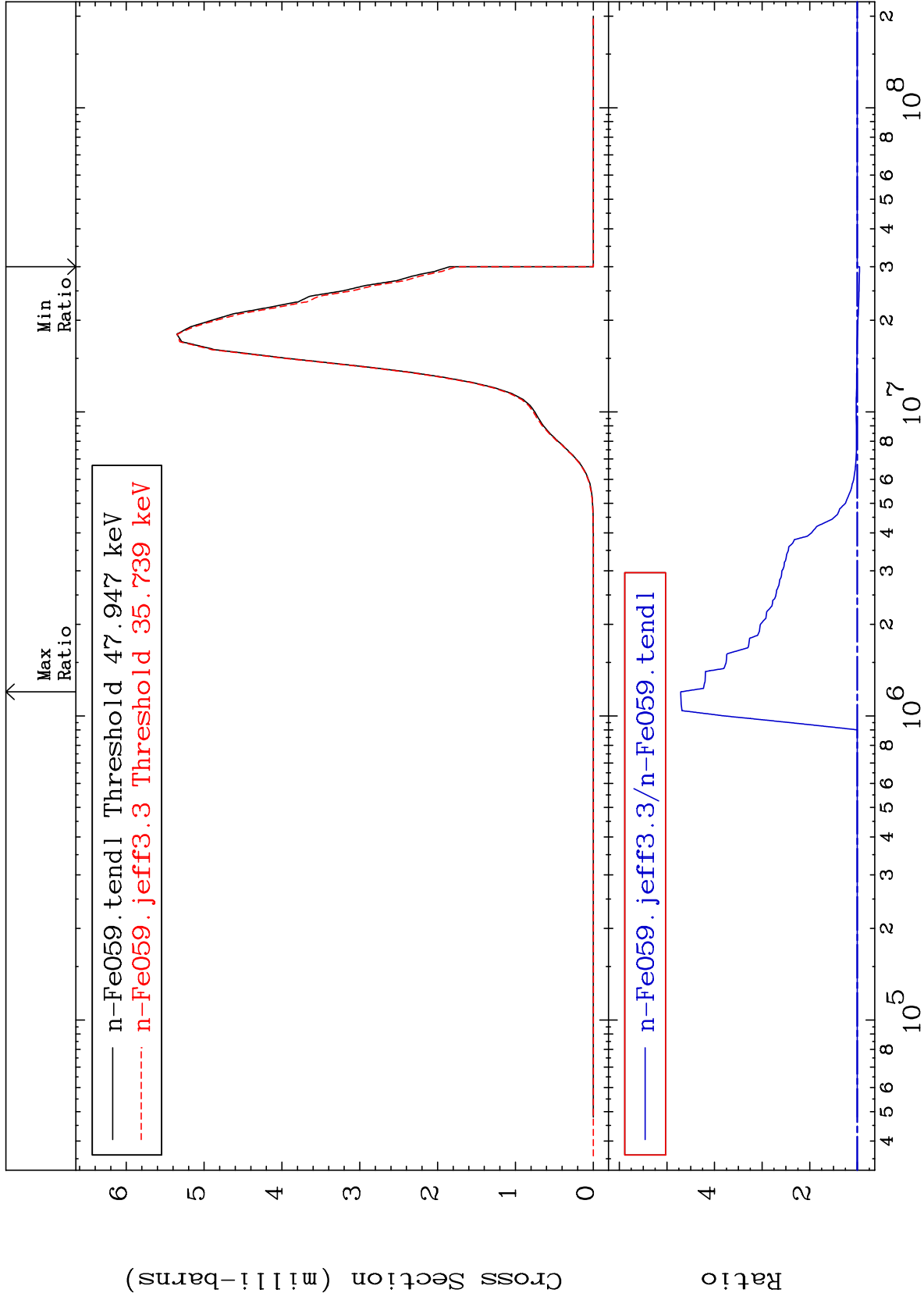
26-Fe-59

MAT 2640

²⁶Fe-59

(n, α)
Cross Section

-4.649 To 371.0 %



MAT 2640

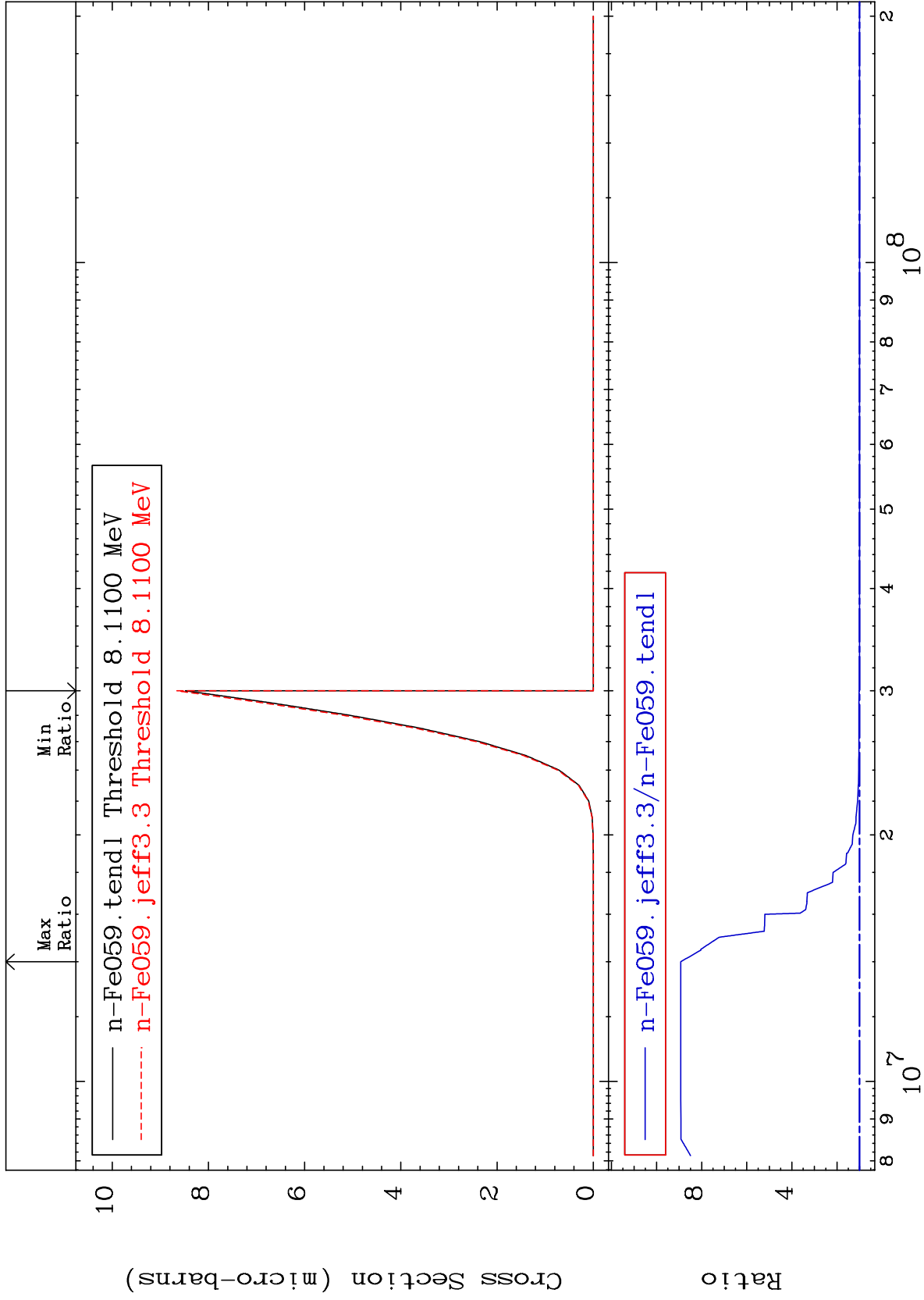
(n,2α)

²⁶Fe-59

Cross Section

0.000

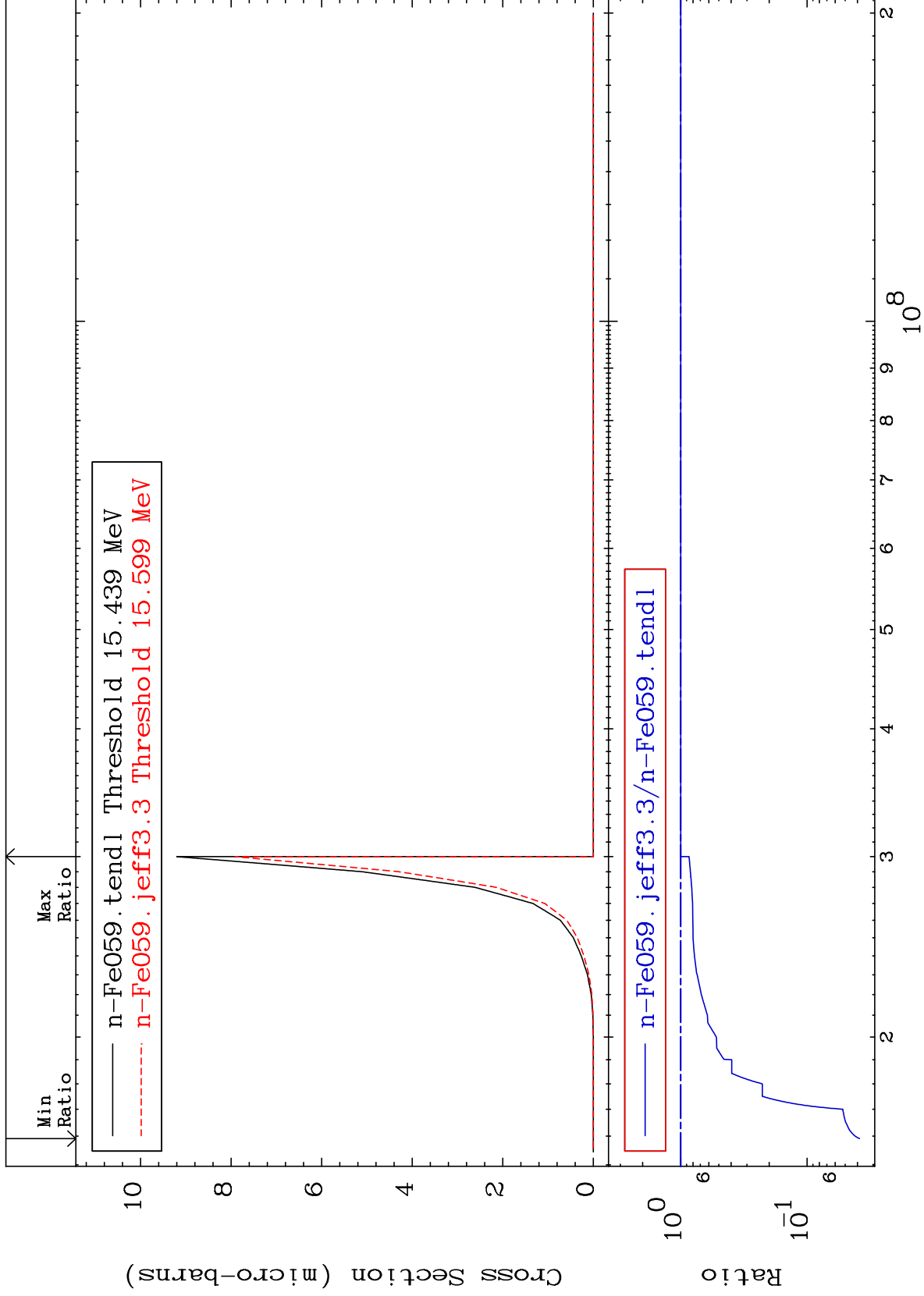
To 792.8 %

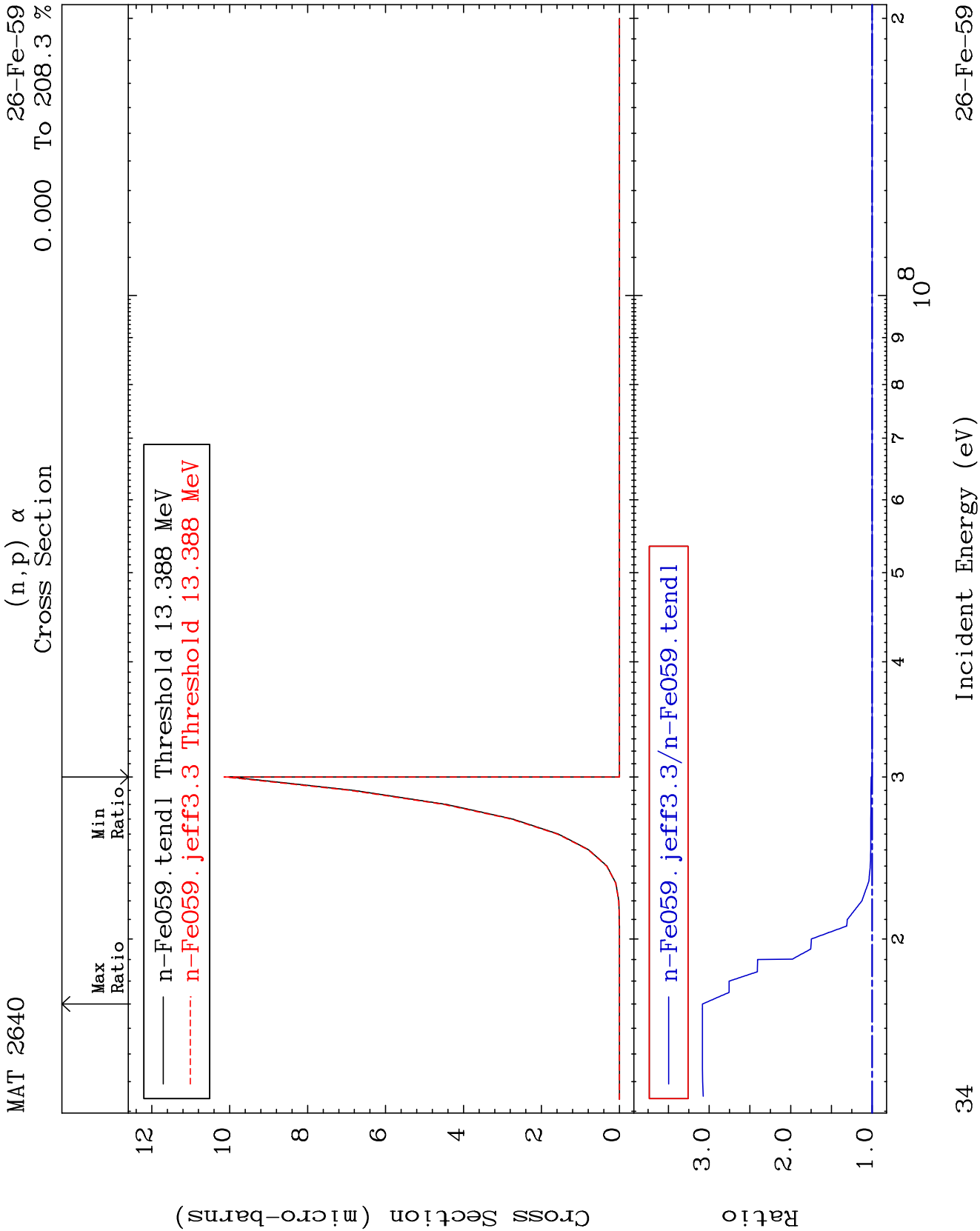


MAT 2640

(n,2p)
Cross Section

26-Fe-59
-96.15 To 0.000 %

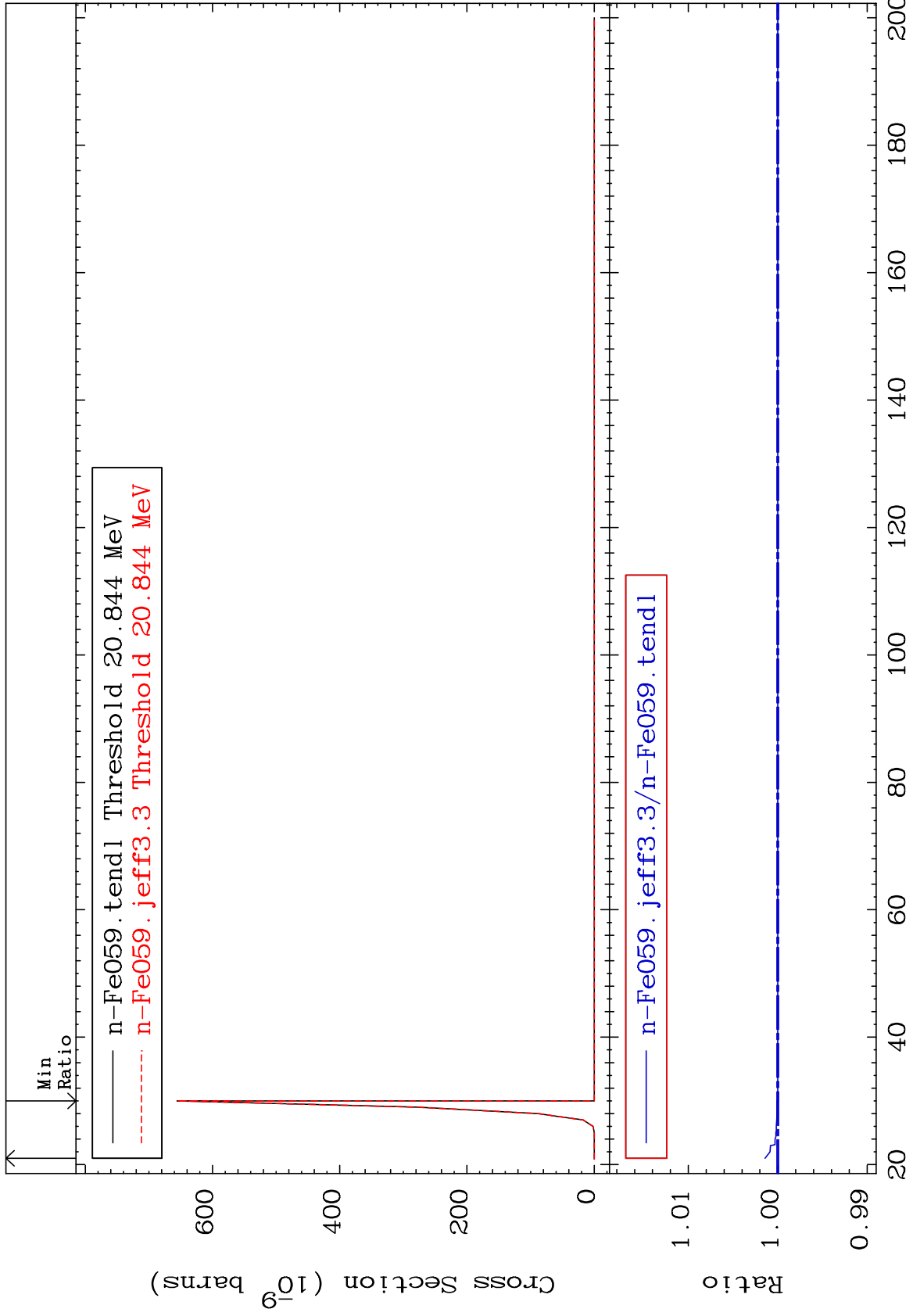




MAT 2640

(n, p) d
Cross Section

²⁶Fe-59
0.000 To 0.142 %



35

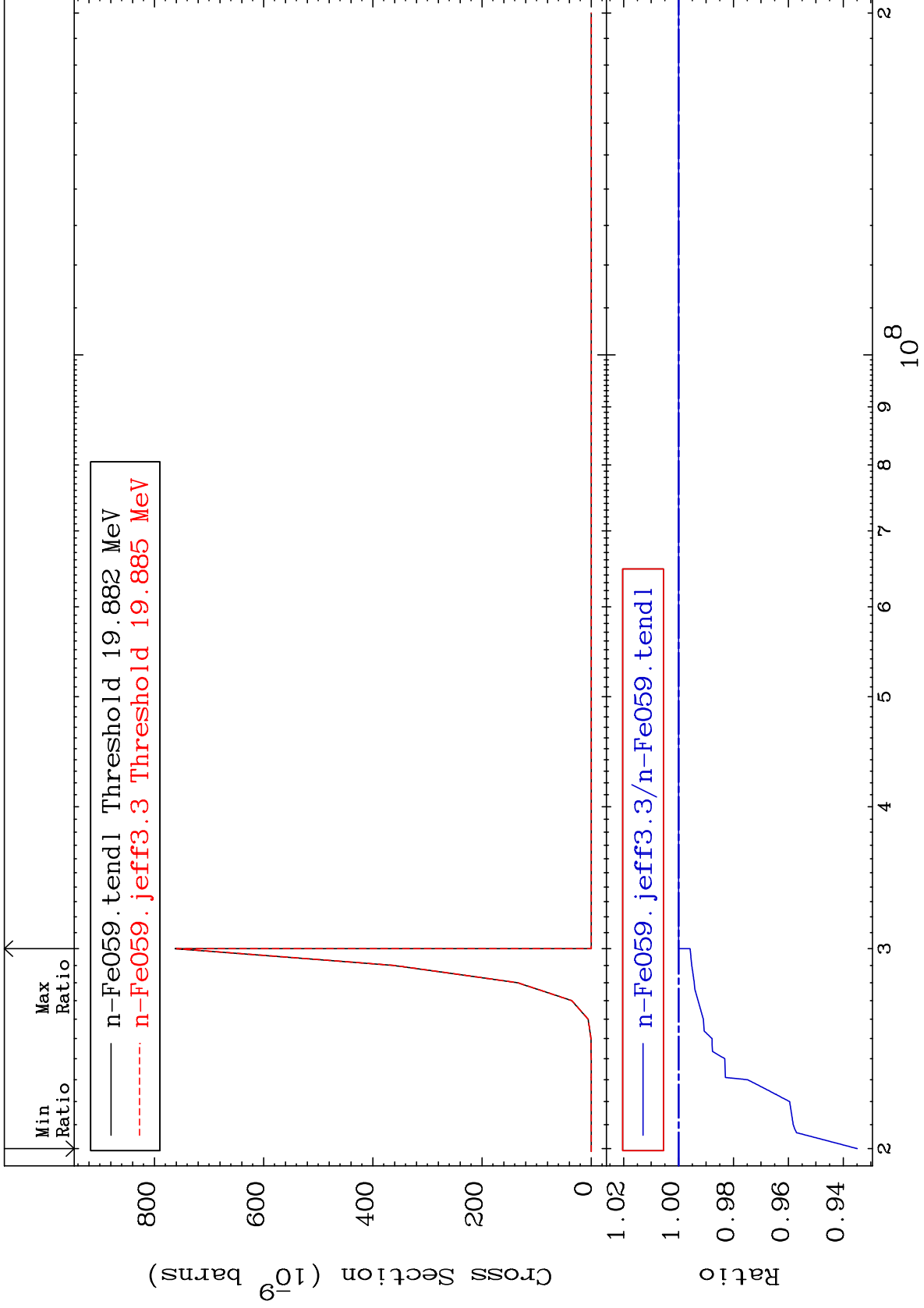
Incident Energy (MeV)

²⁶Fe-59

MAT 2640

(n, p) t
Cross Section

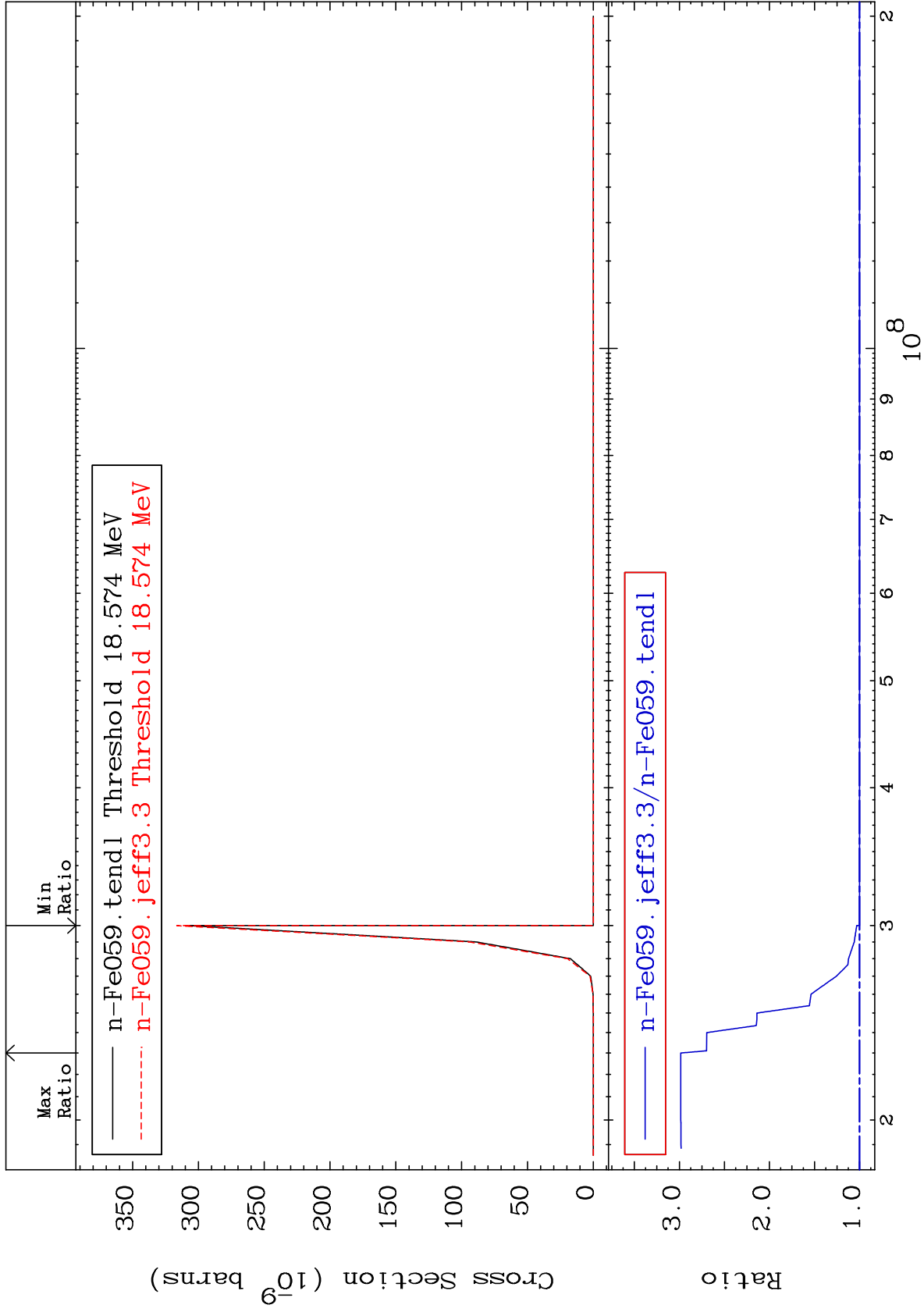
26-Fe-59
-6.509 To 0.000 %



MAT 2640

(n, d) α
Cross Section

26-Fe-59
0.000 To 198.4 %



37

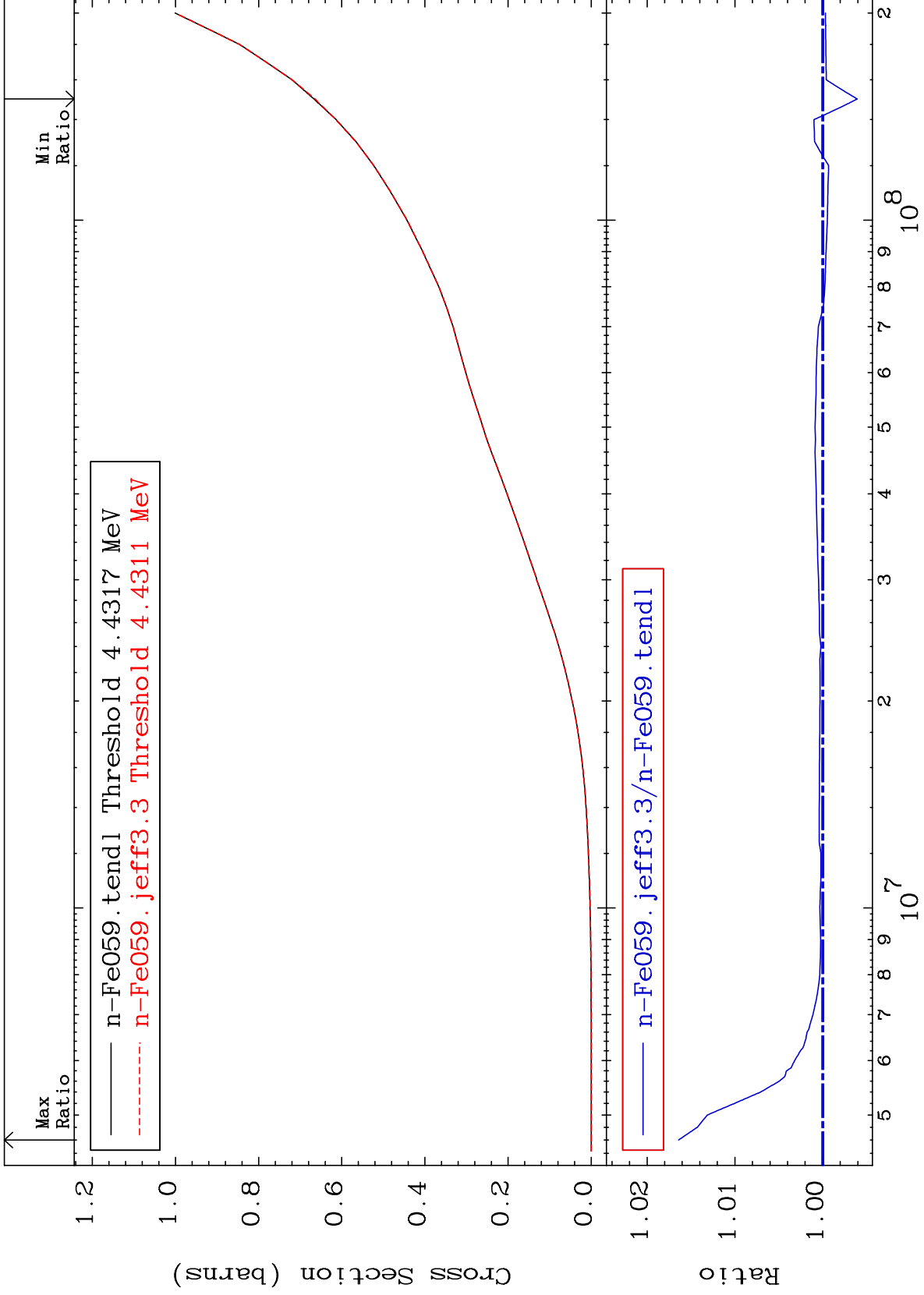
Incident Energy (eV)

26-Fe-59

MAT 2640

Hydrogen Production
Cross Section

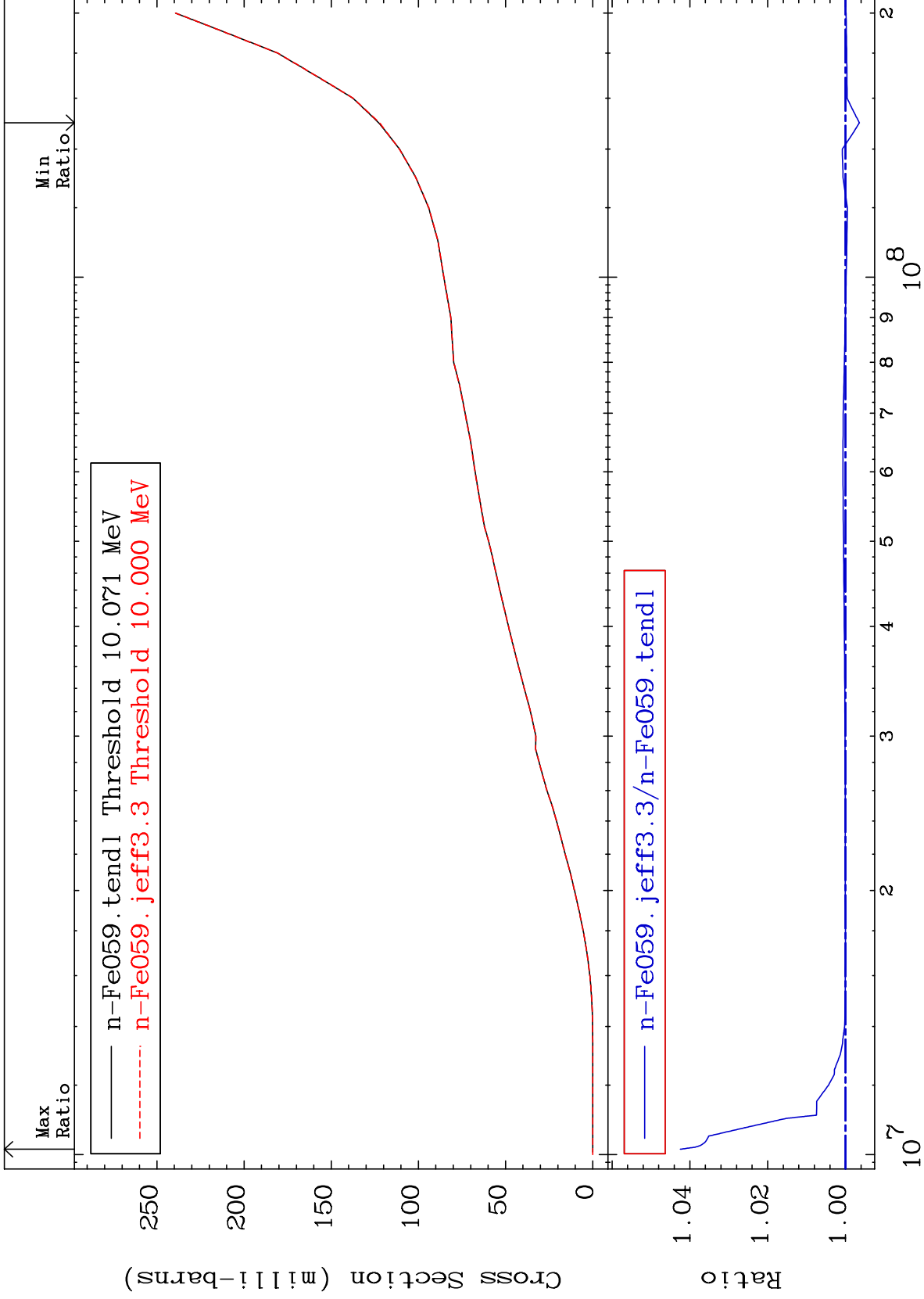
26-Fe-59
-0.394 To 1.641 %



MAT 2640

Deuterium Production
Cross Section

$^{26}\text{Fe-59}$
-0.358 To 4.244 %



39

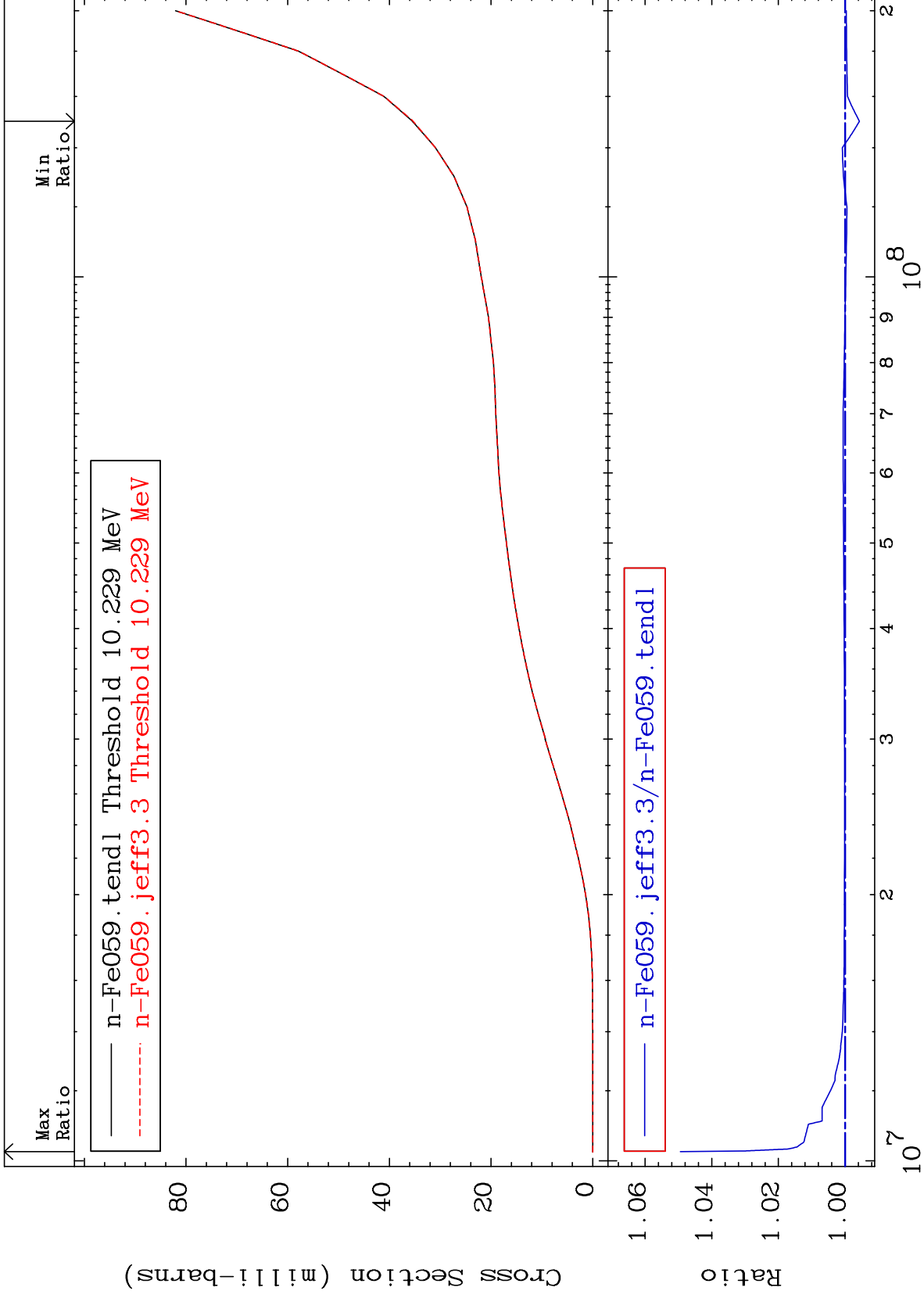
Incident Energy (eV)

$^{26}\text{Fe-59}$

MAT 2640

Tritium Production
Cross Section

²⁶Fe-59
-0.430 To 4.942 %



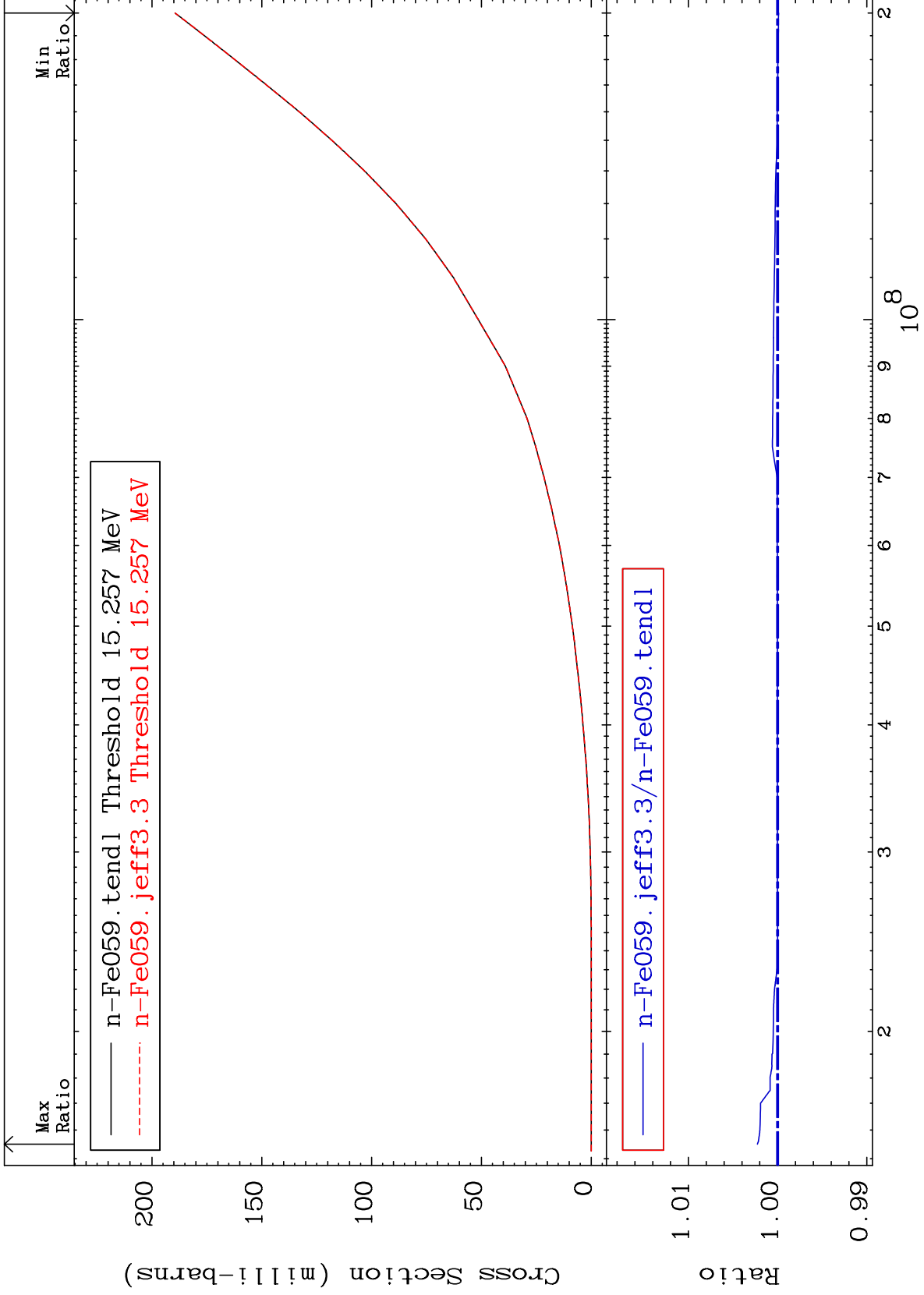
Incident Energy (eV)

²⁶Fe-59

MAT 2640

He-3 Production
Cross Section

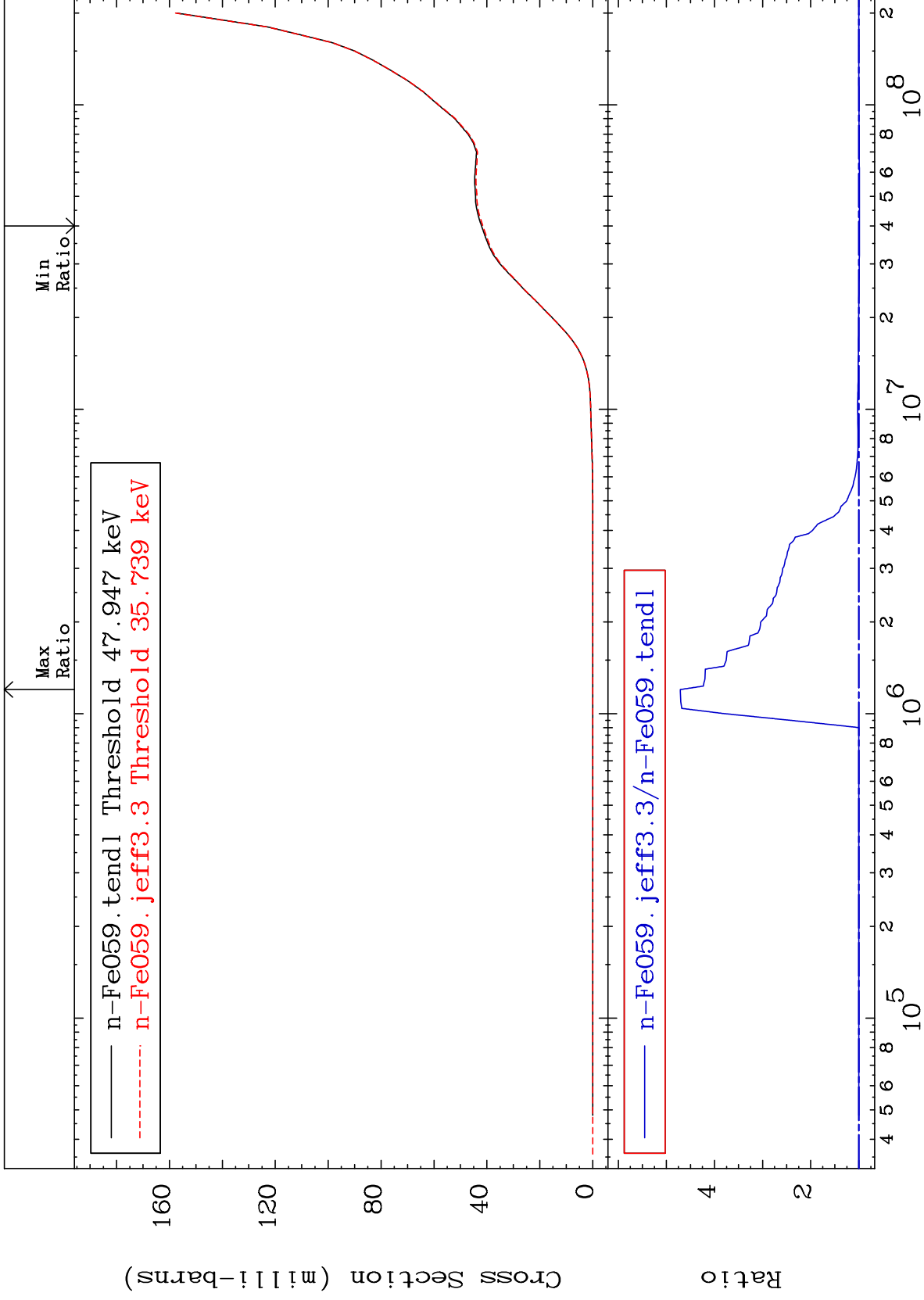
26-Fe-59
-0.010 To 0.227 %



MAT 2640

He-4 Production
Cross Section

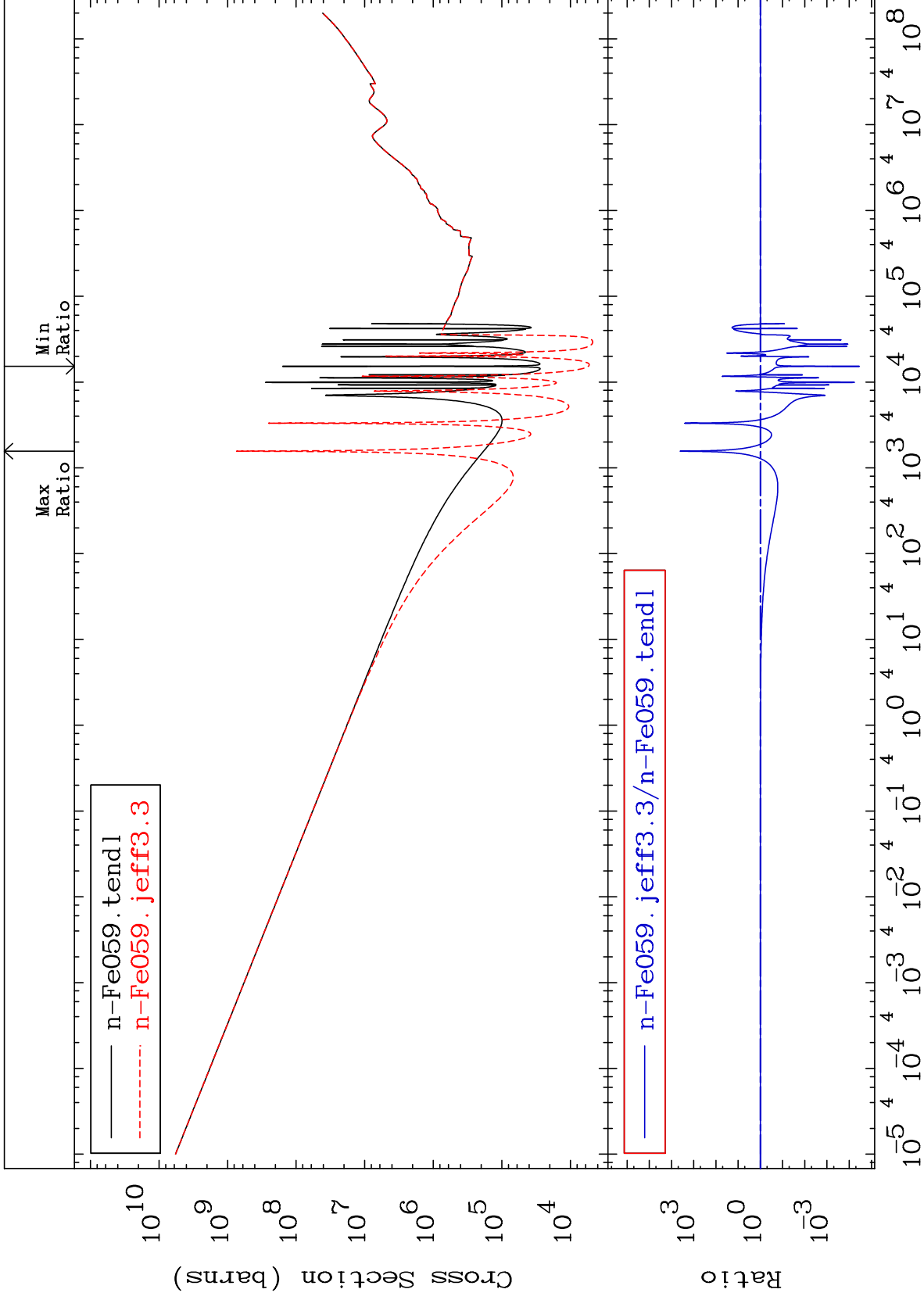
²⁶Fe-59
-1.215 To 371.0 %



42

Incident Energy (eV)

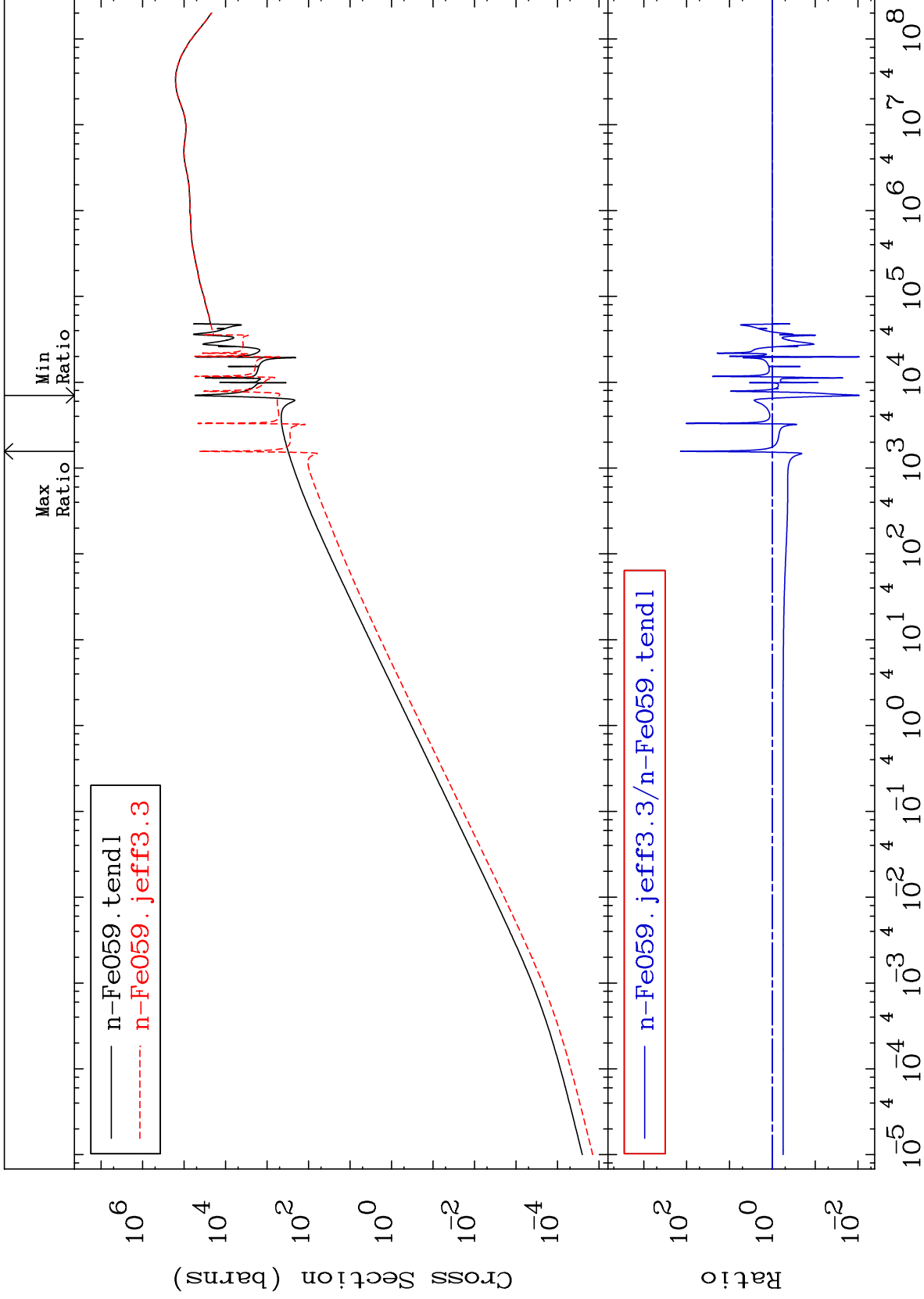
²⁶Fe-59

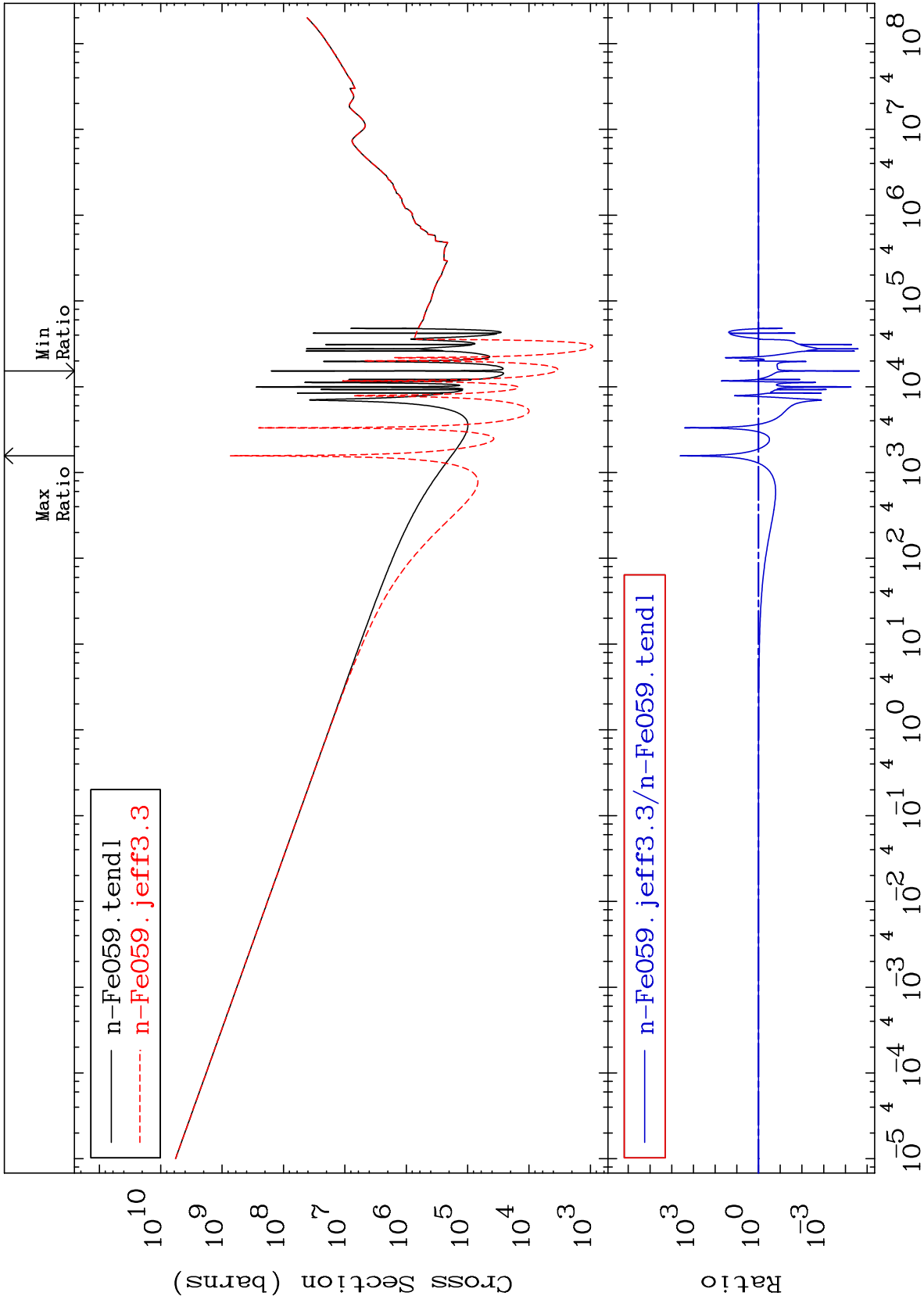


MAT 2640

Kerma elastic
Cross Section

26-Fe-59
-99.07 To 9999. %

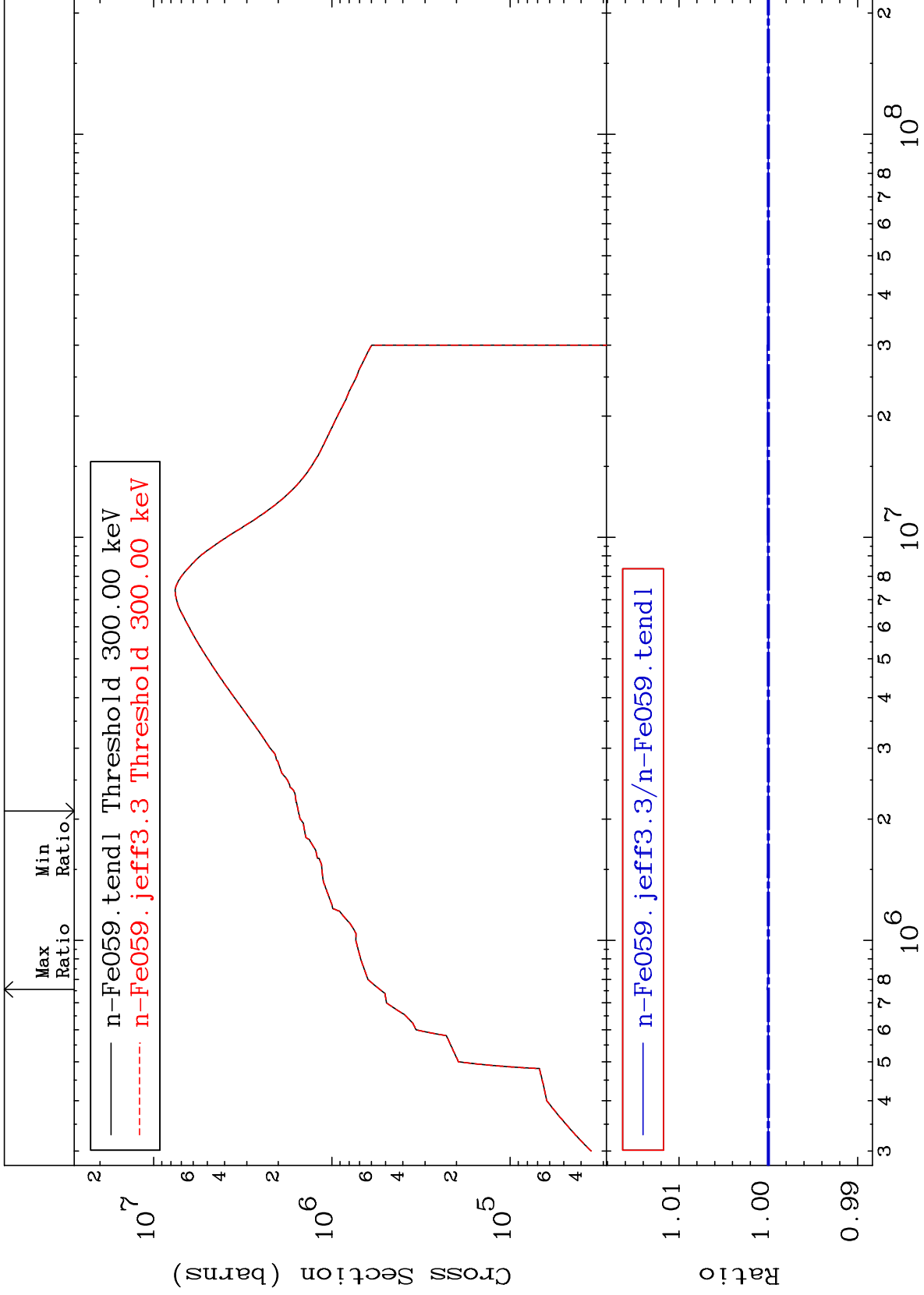




MAT 2640

Kerma inelastic (mt51-91)
Cross Section

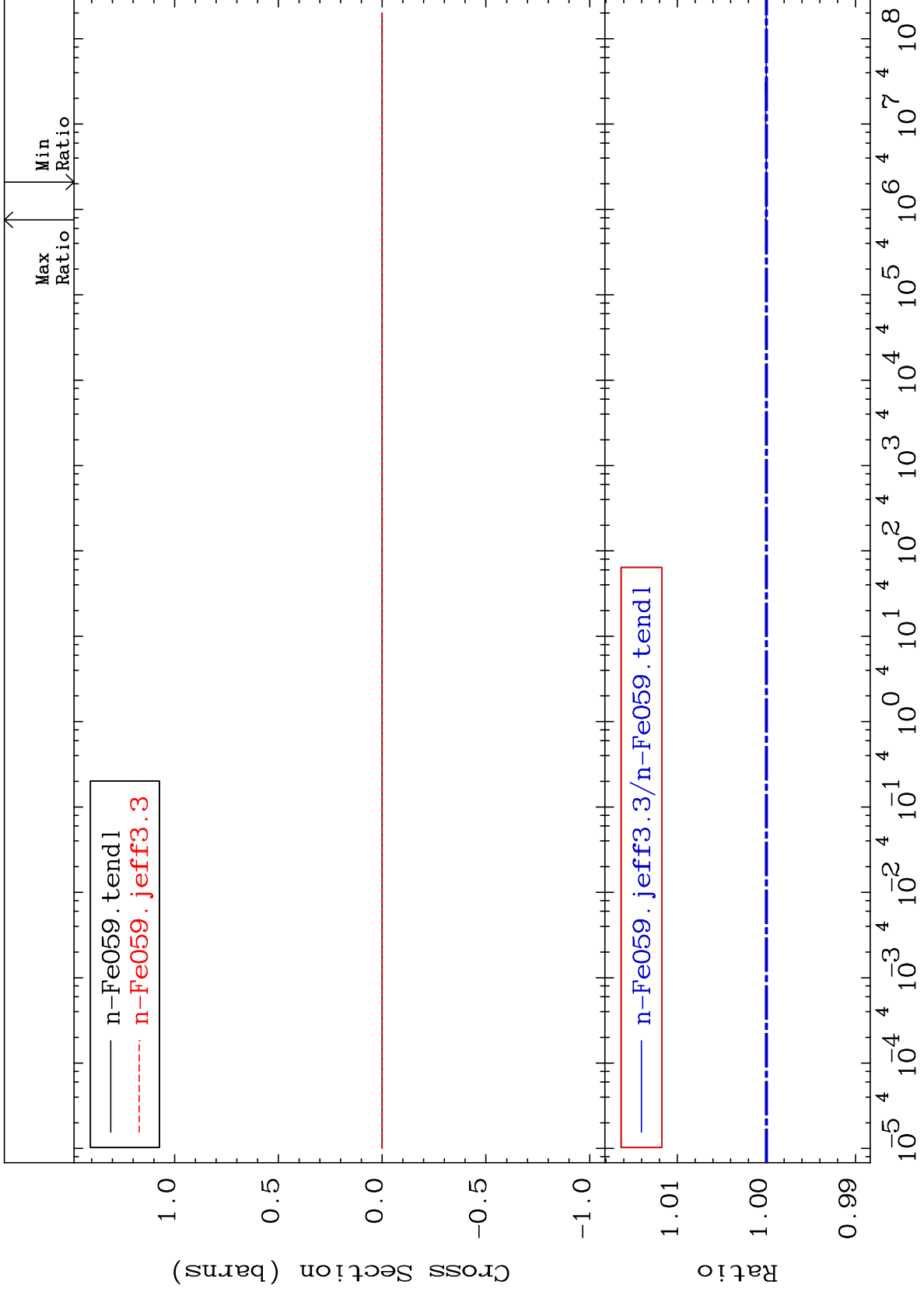
26-Fe-59
-0.007 To 0.014 %



MAT 2640

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

26-Fe-59
-0.007 To 0.014 %



47

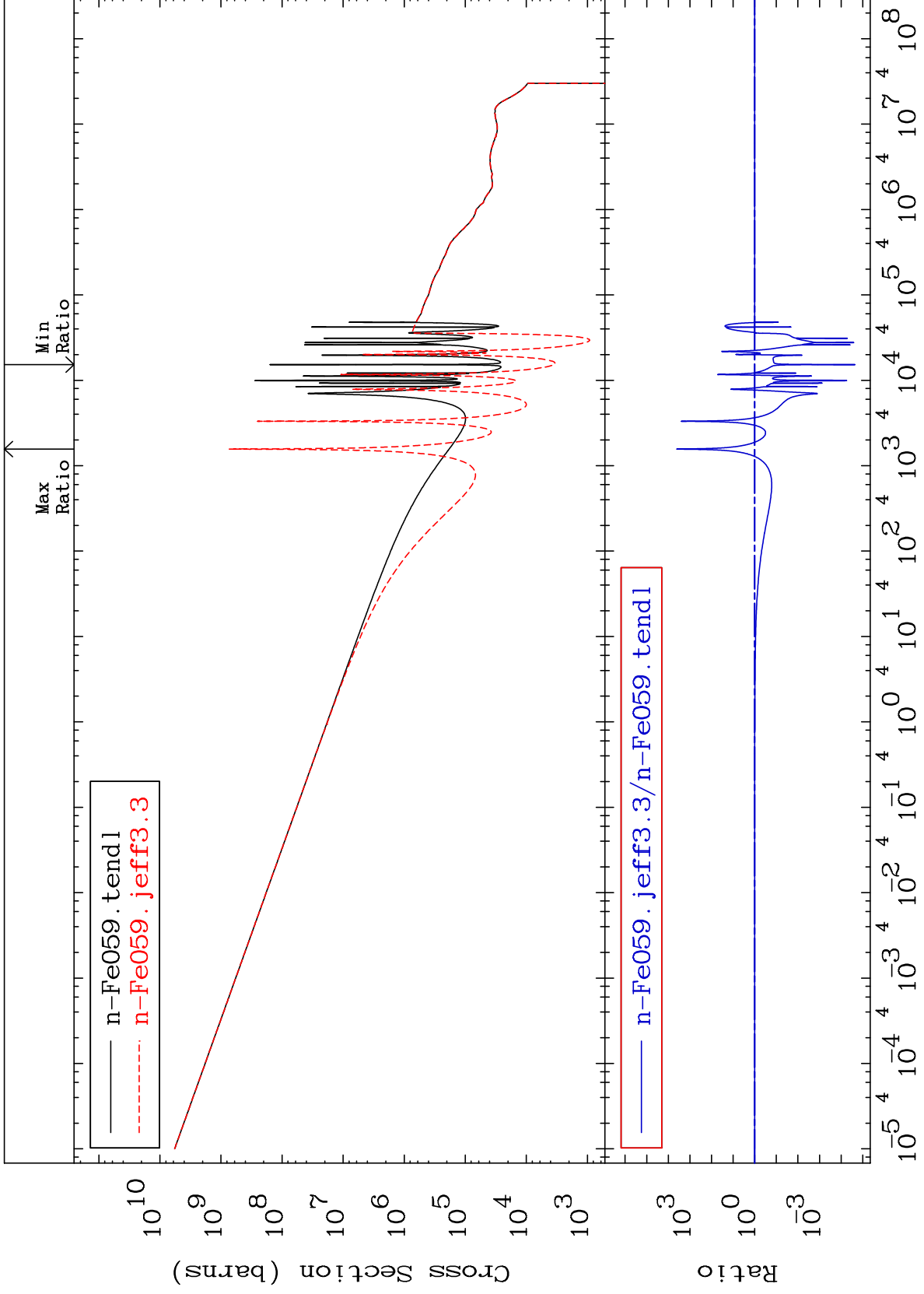
Incident Energy (eV)

26-Fe-59

MAT 2640

Kerma capture (mt102)
Cross Section

26-Fe-59
-100.0 To 9999. %

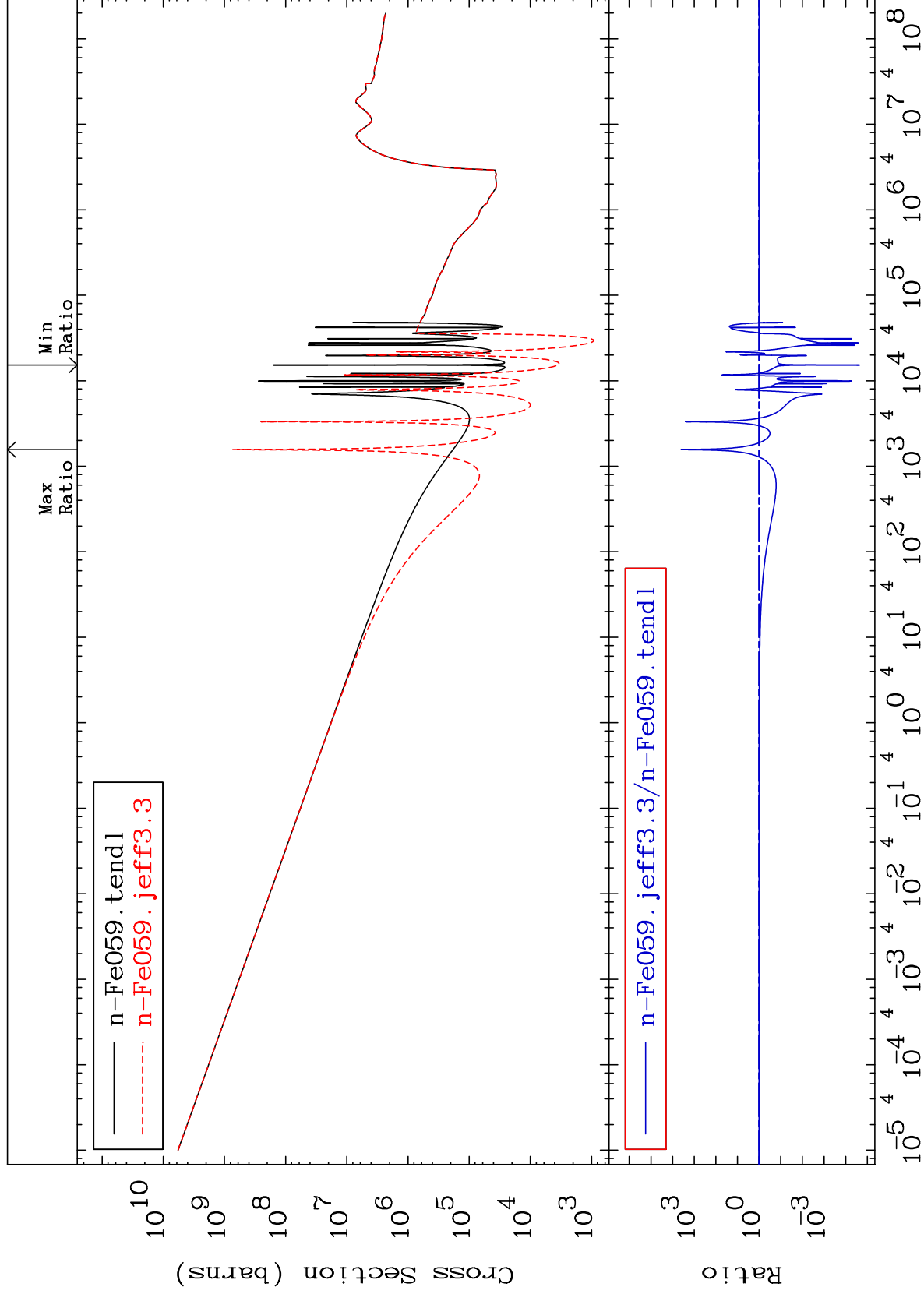


MAT 2640

Total photon (eV-barns)
Cross Section

26-Fe-59

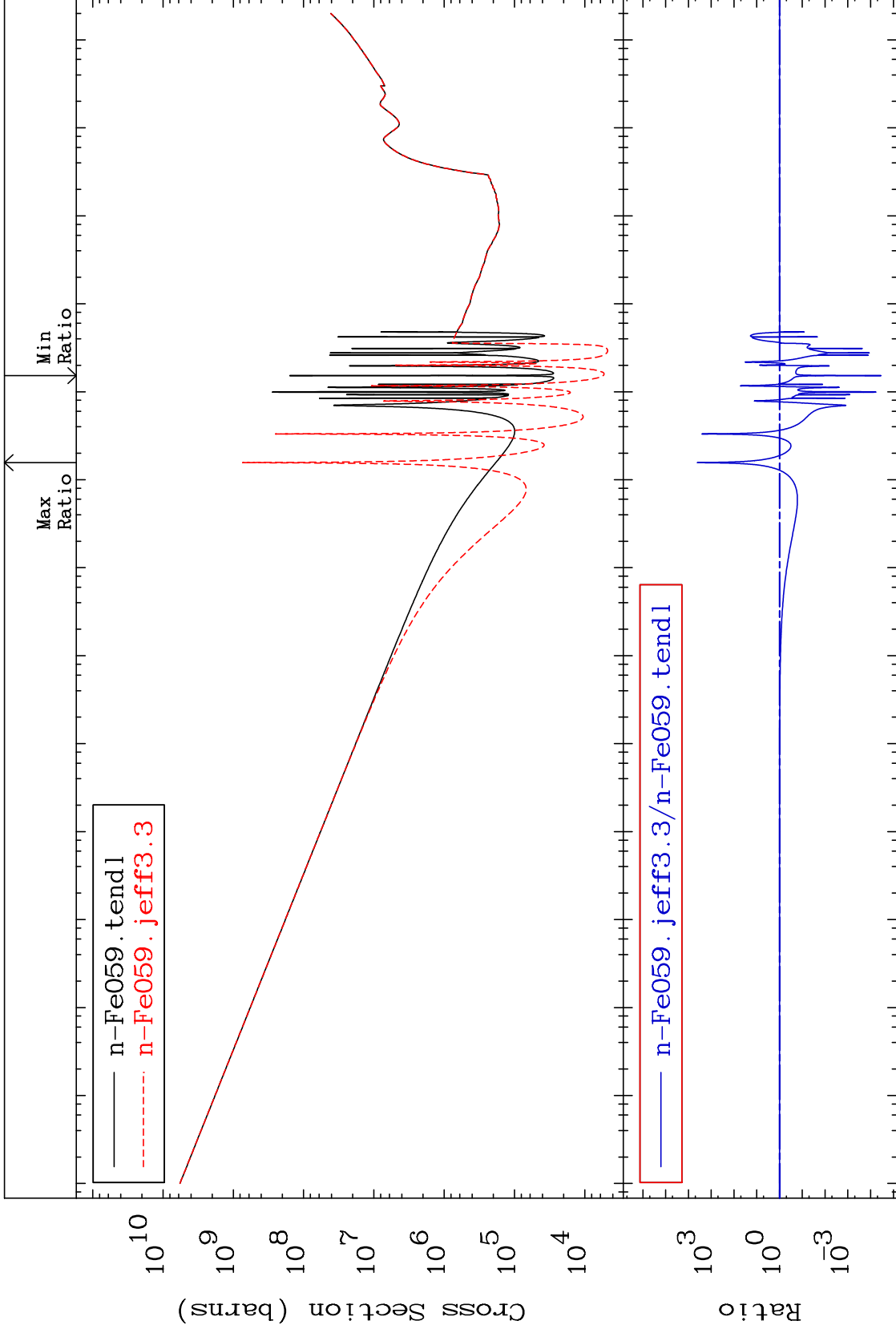
-100.0 To 9999. %

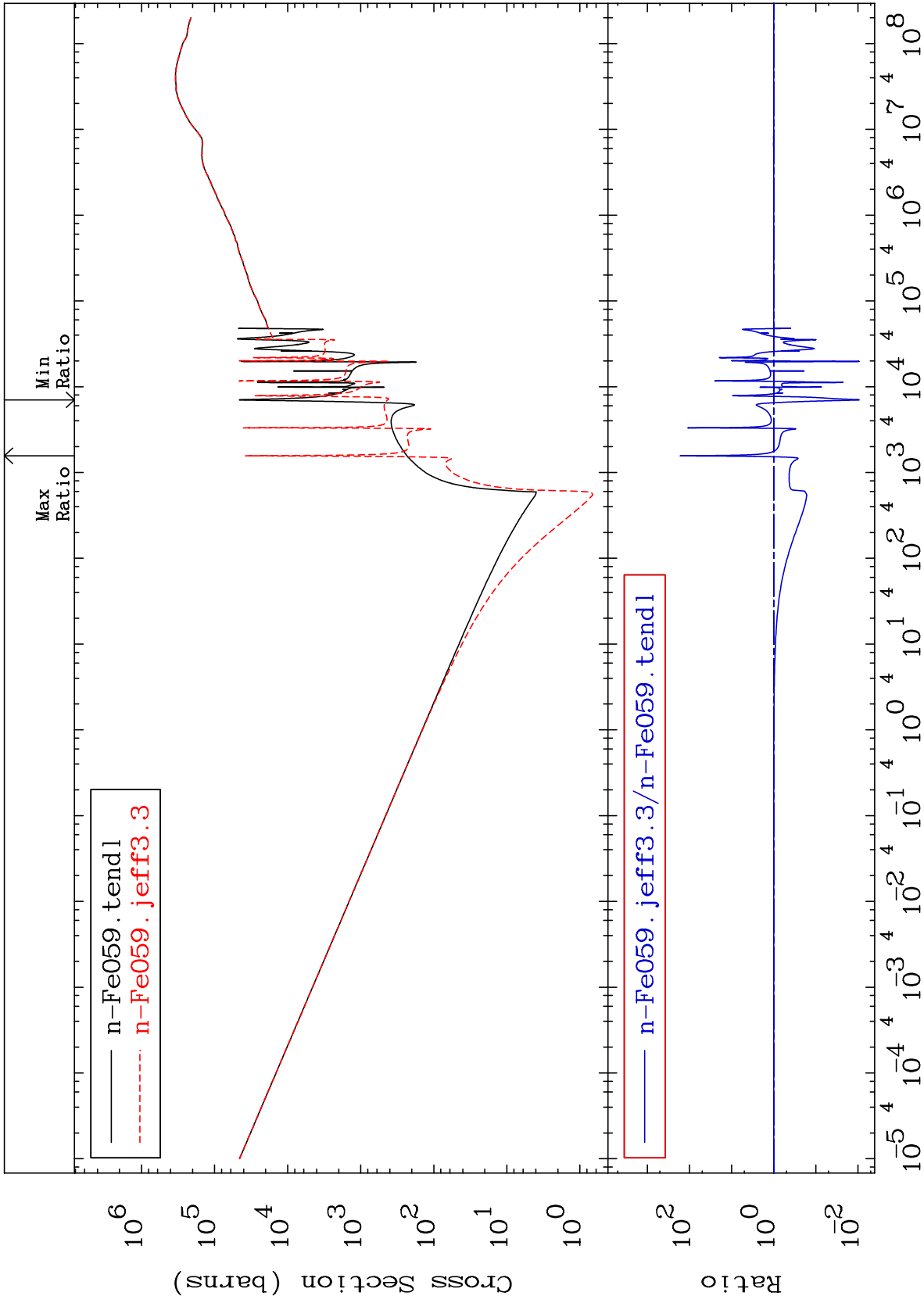


49

Incident Energy (eV)

26-Fe-59

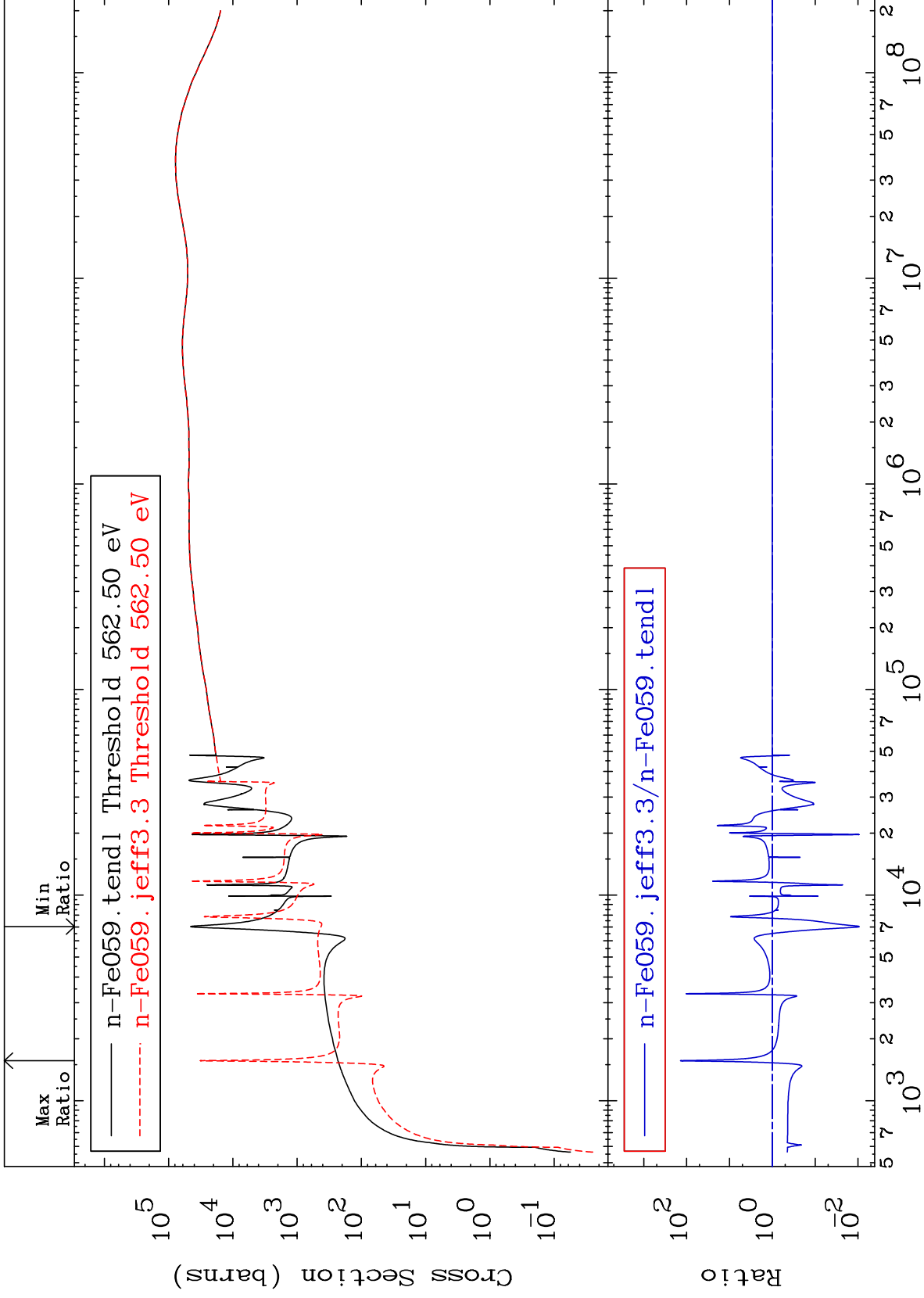




MAT 2640

Dpa elastic (mt2)
Cross Section

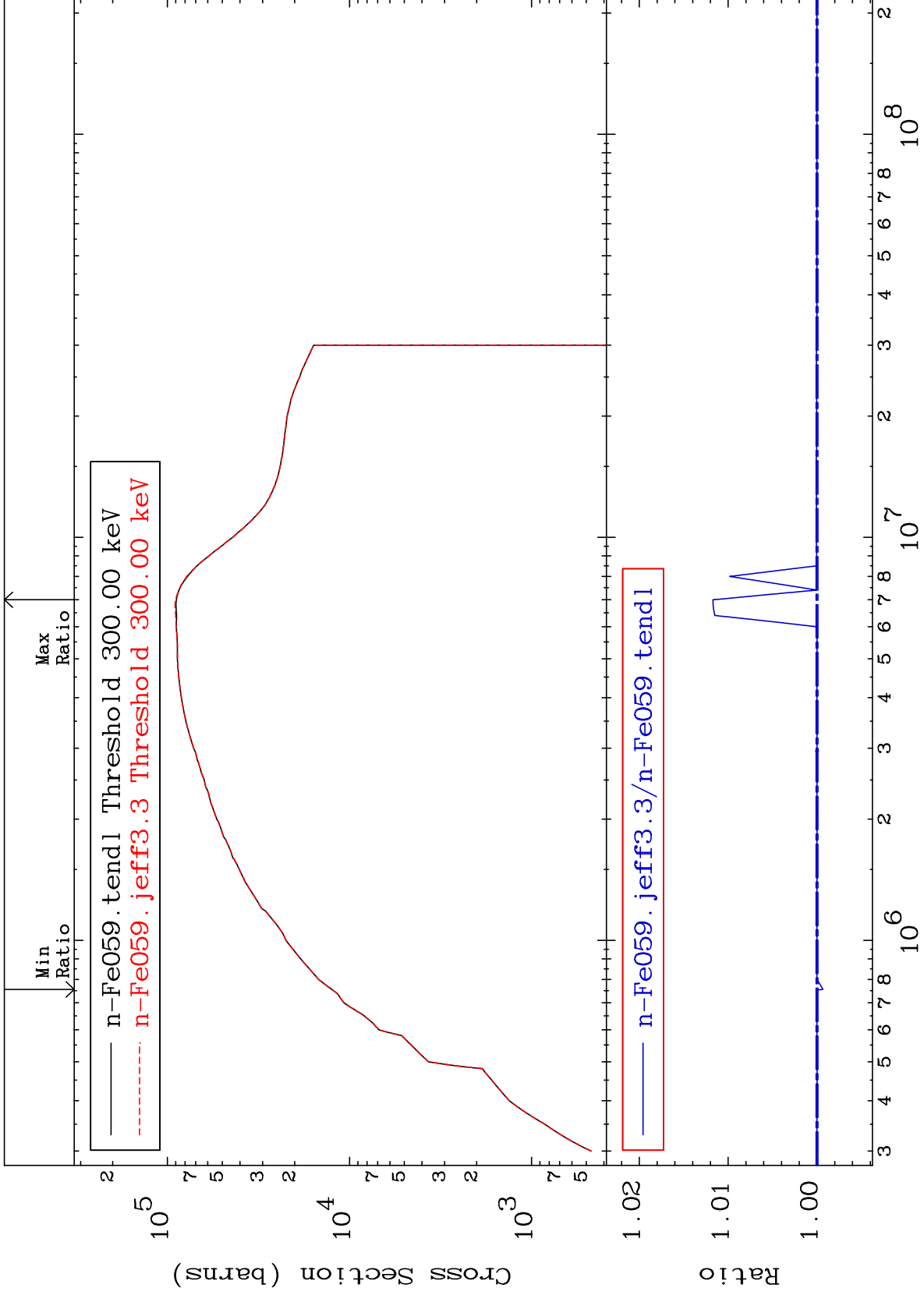
26-Fe-59
-99.07 To 9999. %

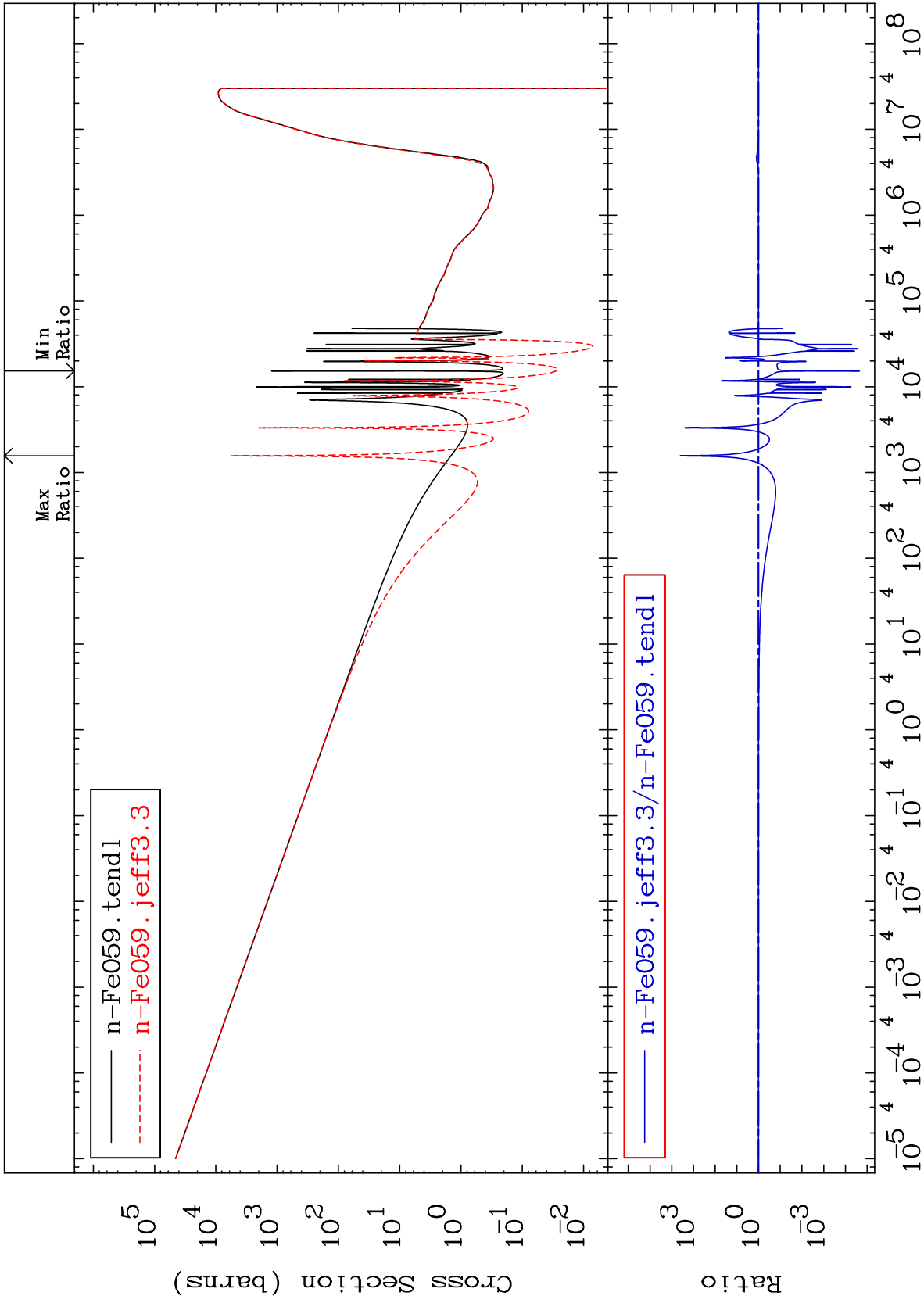


MAT 2640

Dpa inelastic (mt51-91)
Cross Section

²⁶Fe-59
-0.067 To 1.172 %



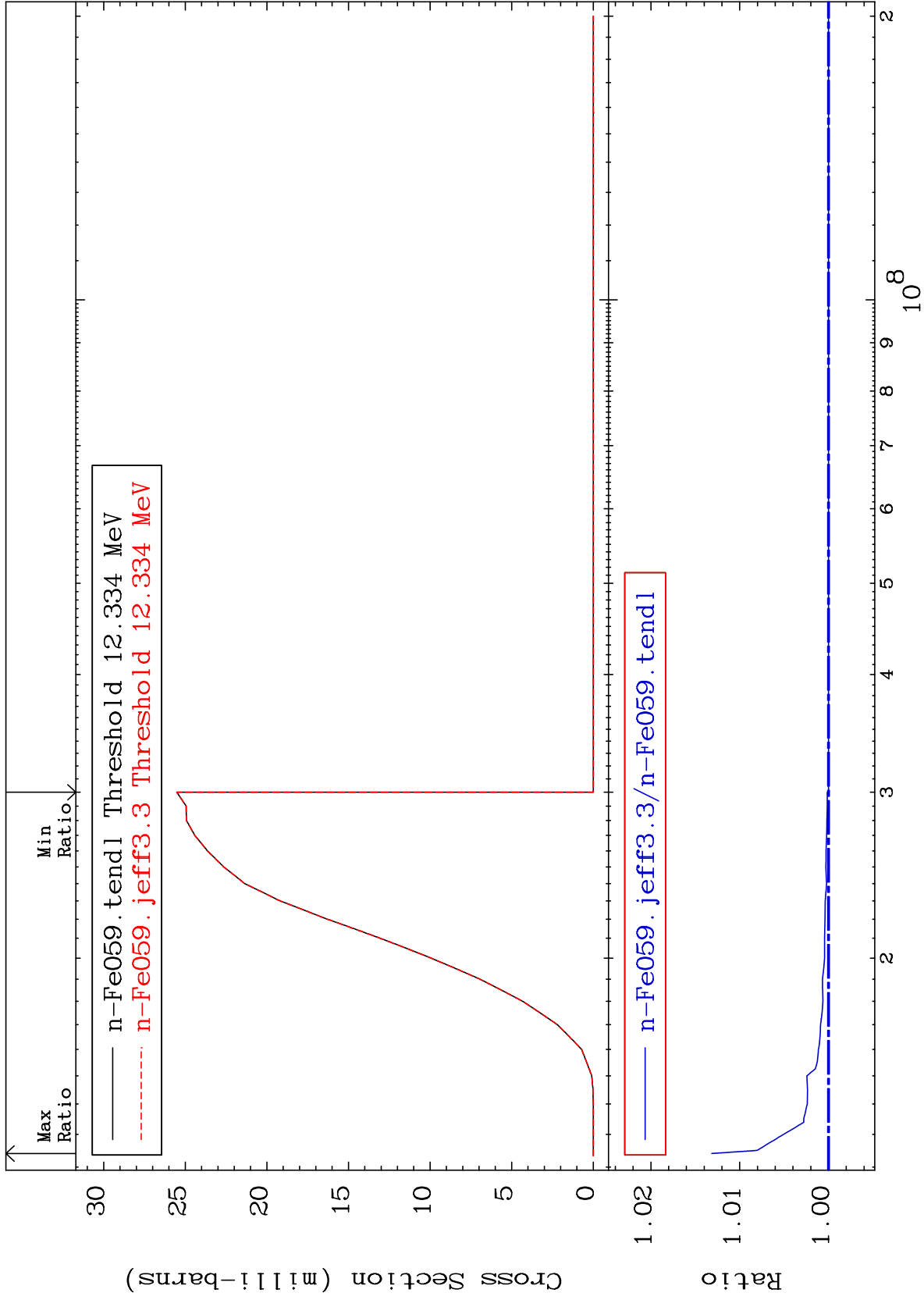


MAT 2640

(n, n') p:25-Mn-58g

26-Fe-59

Radionuclide Production Cross Section 0.000 To 1.314 %



55

Incident Energy (eV)

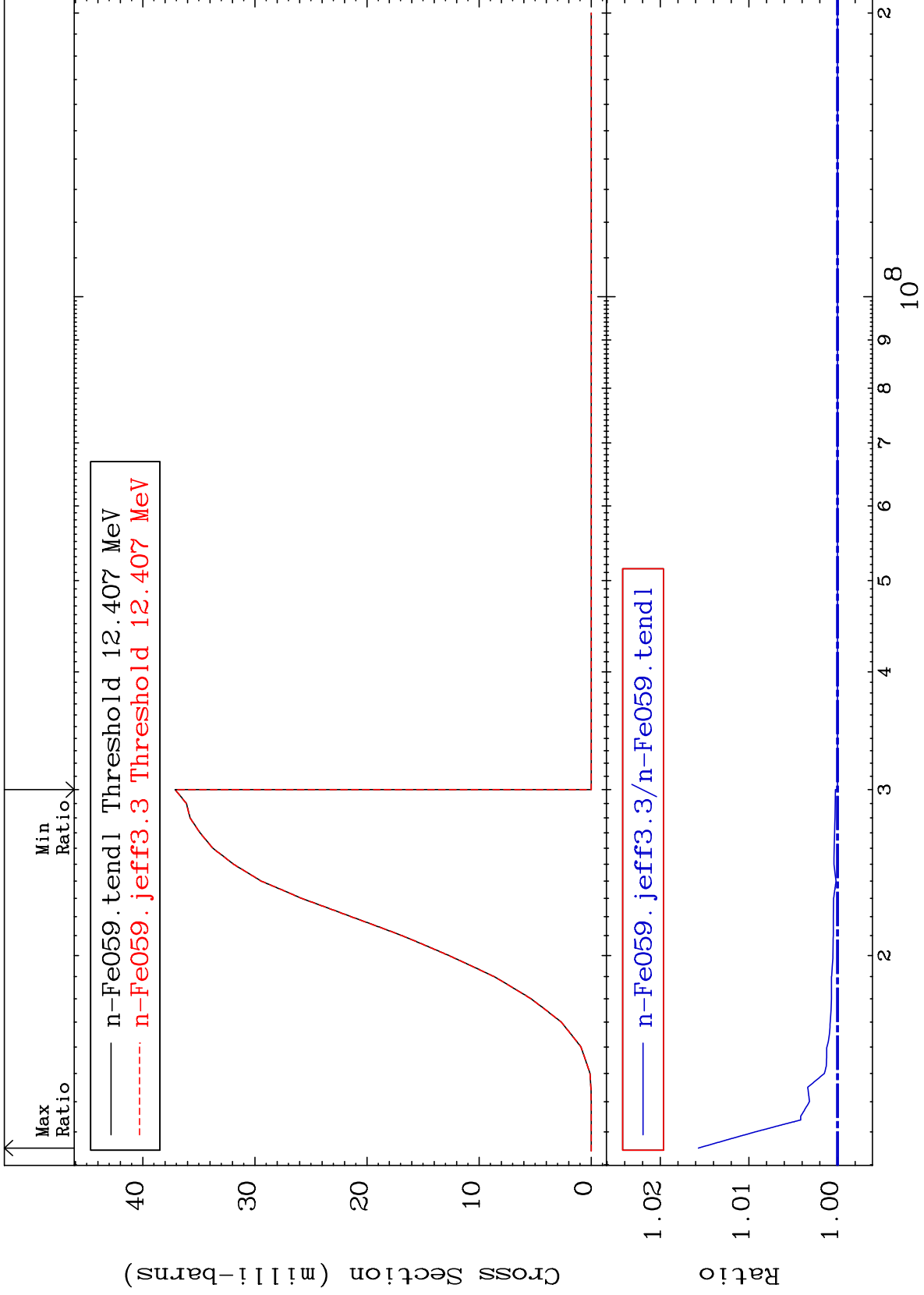
26-Fe-59

MAT 2640

(n, n') p:25-Mn-58m1

26-Fe-59

Radionuclide Production Cross Section 0.000 To 1.570 %

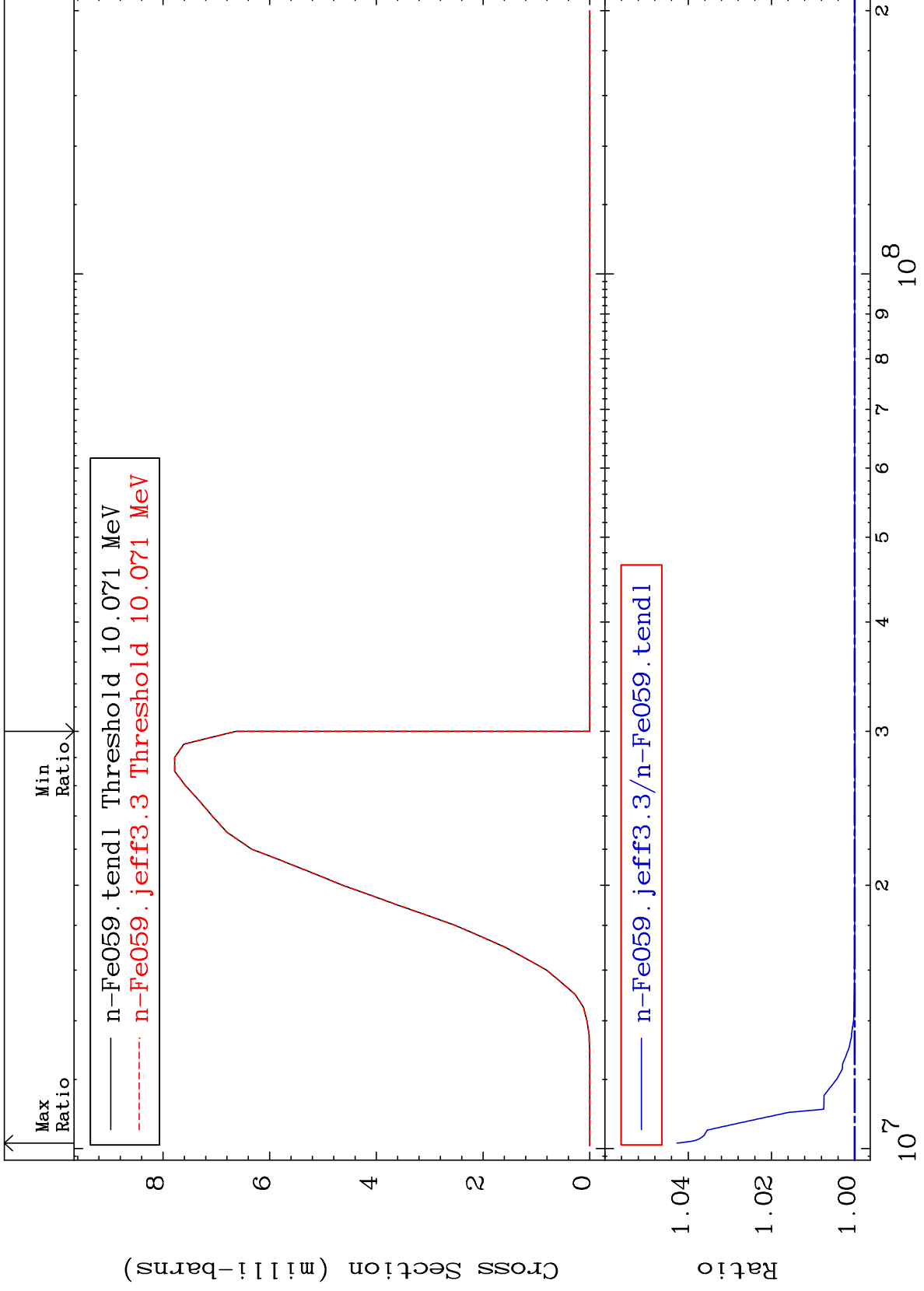


MAT 2640

(n, d) : 25-Mn-58g

26-Fe-59

Radionuclide Production Cross Section -0.009 To 4.271 %



57

Incident Energy (eV)

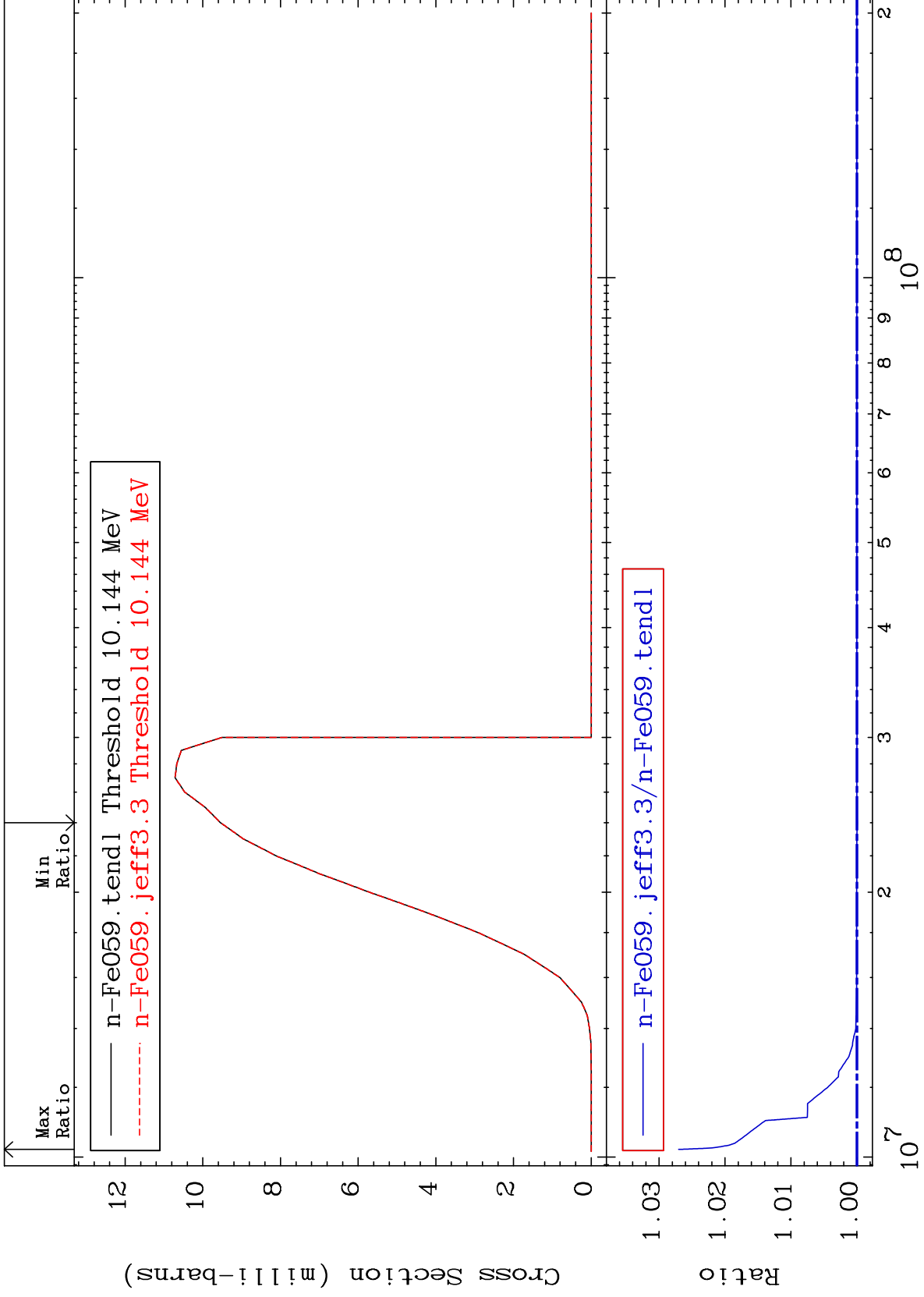
26-Fe-59

MAT 2640

(n, d) : 25-Mn-58m1

26-Fe-59

Radionuclide Production Cross Section -0.005 To 2.703 %



58

Incident Energy (eV)

26-Fe-59