

Program Complot
(Version 2018-1)

by

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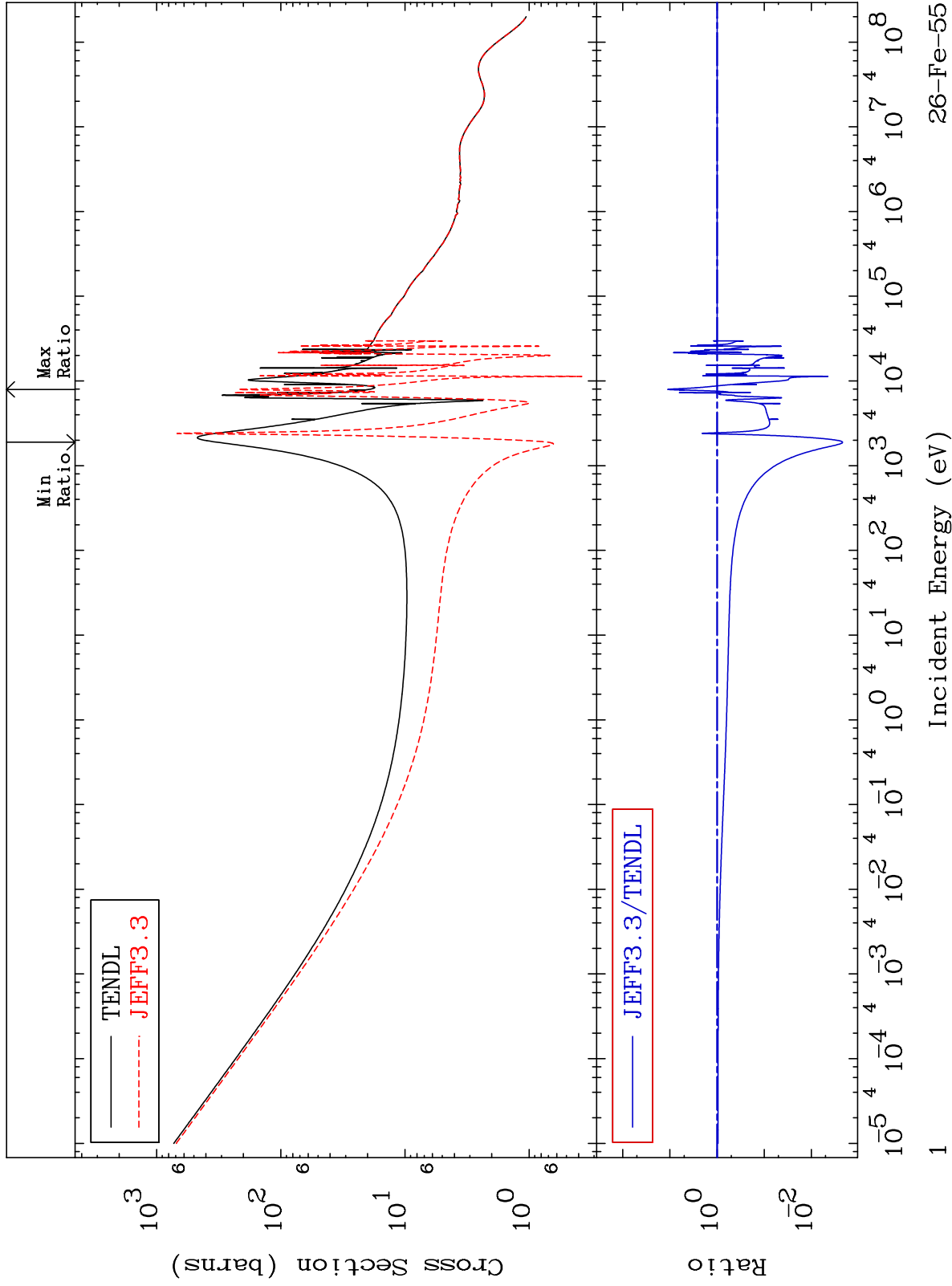
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2628

Total
Cross Section

26-Fe-55
-99.78 To 1022. %

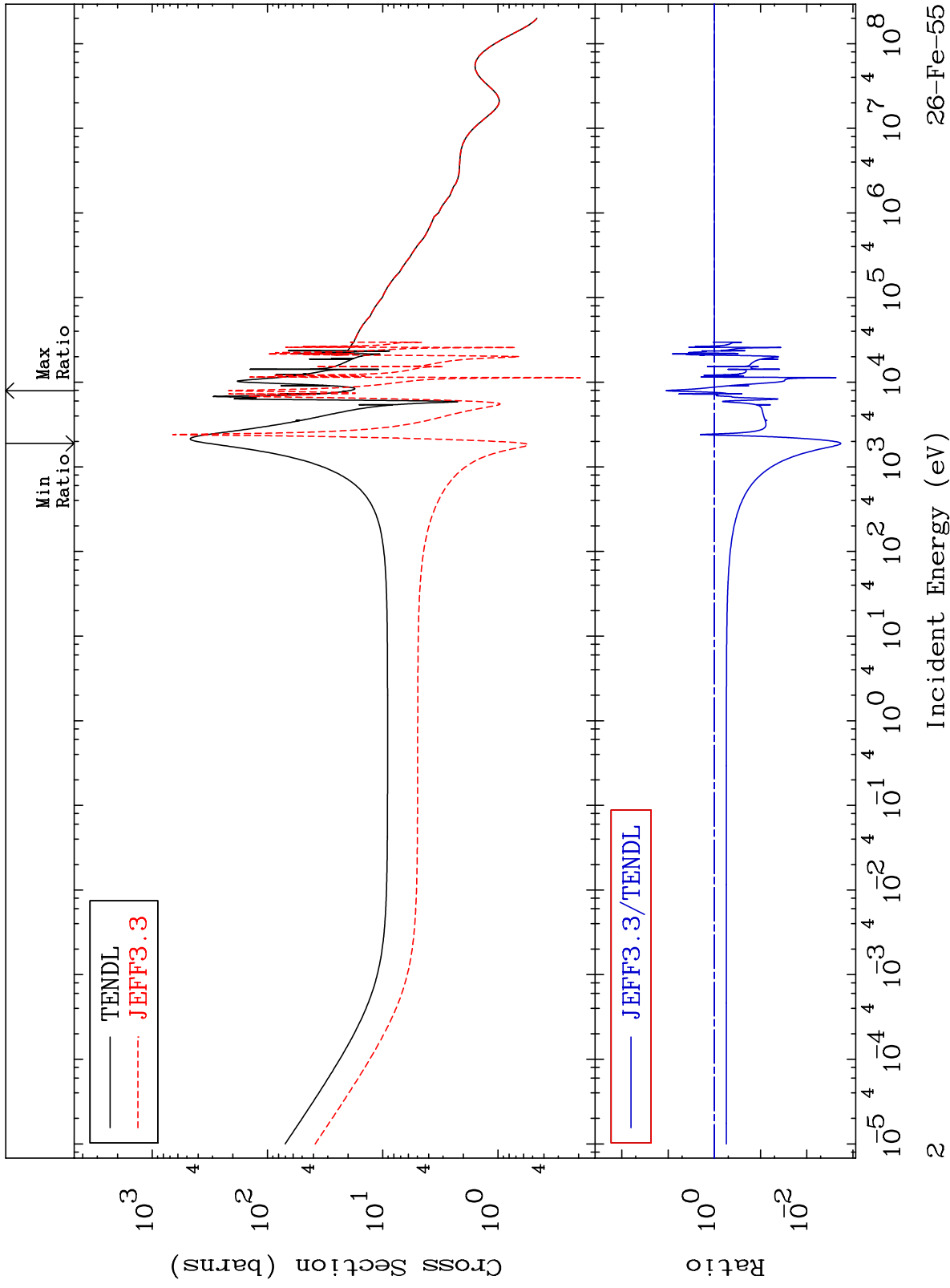


26-Fe-55

MAT 2628

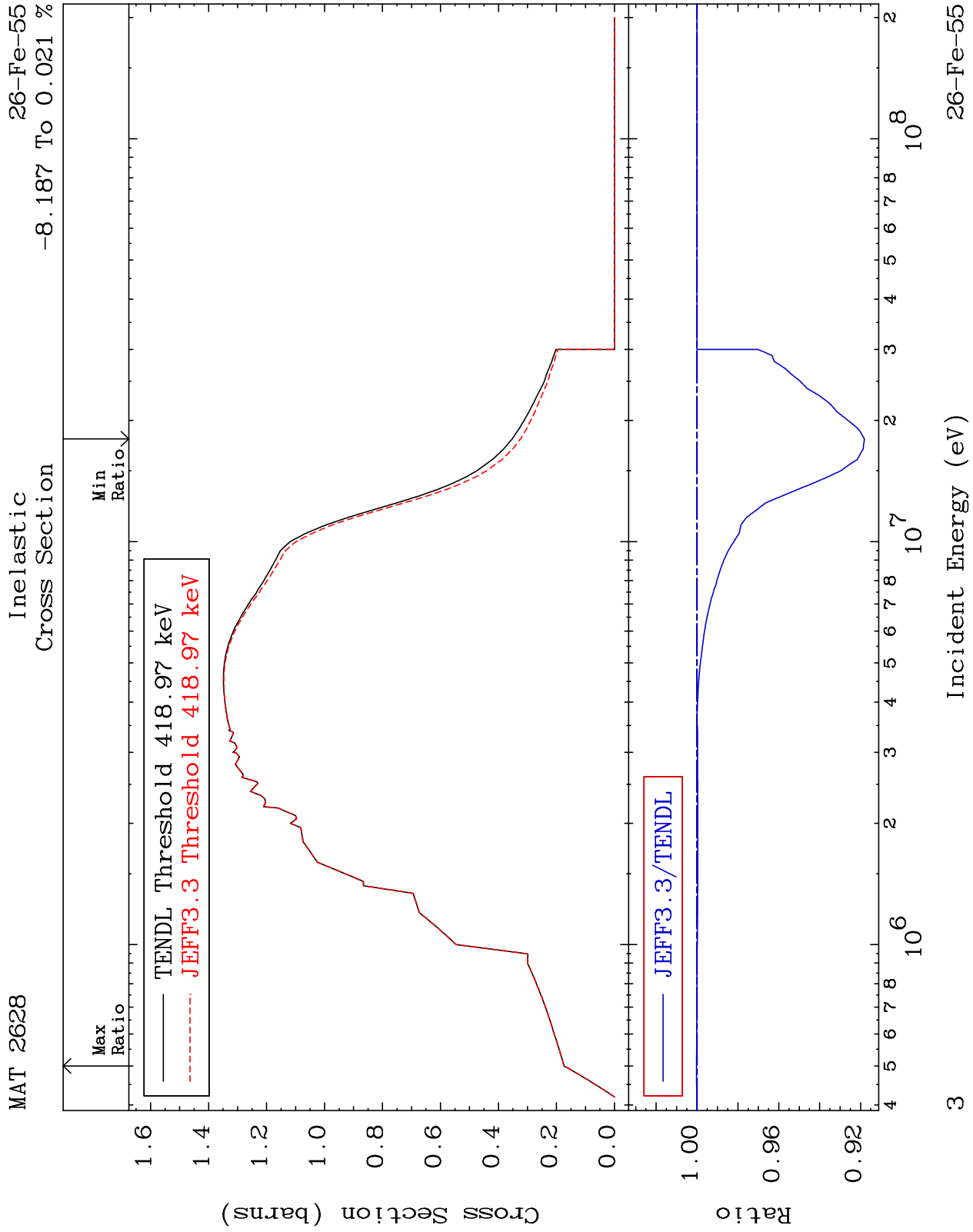
Elastic
Cross Section

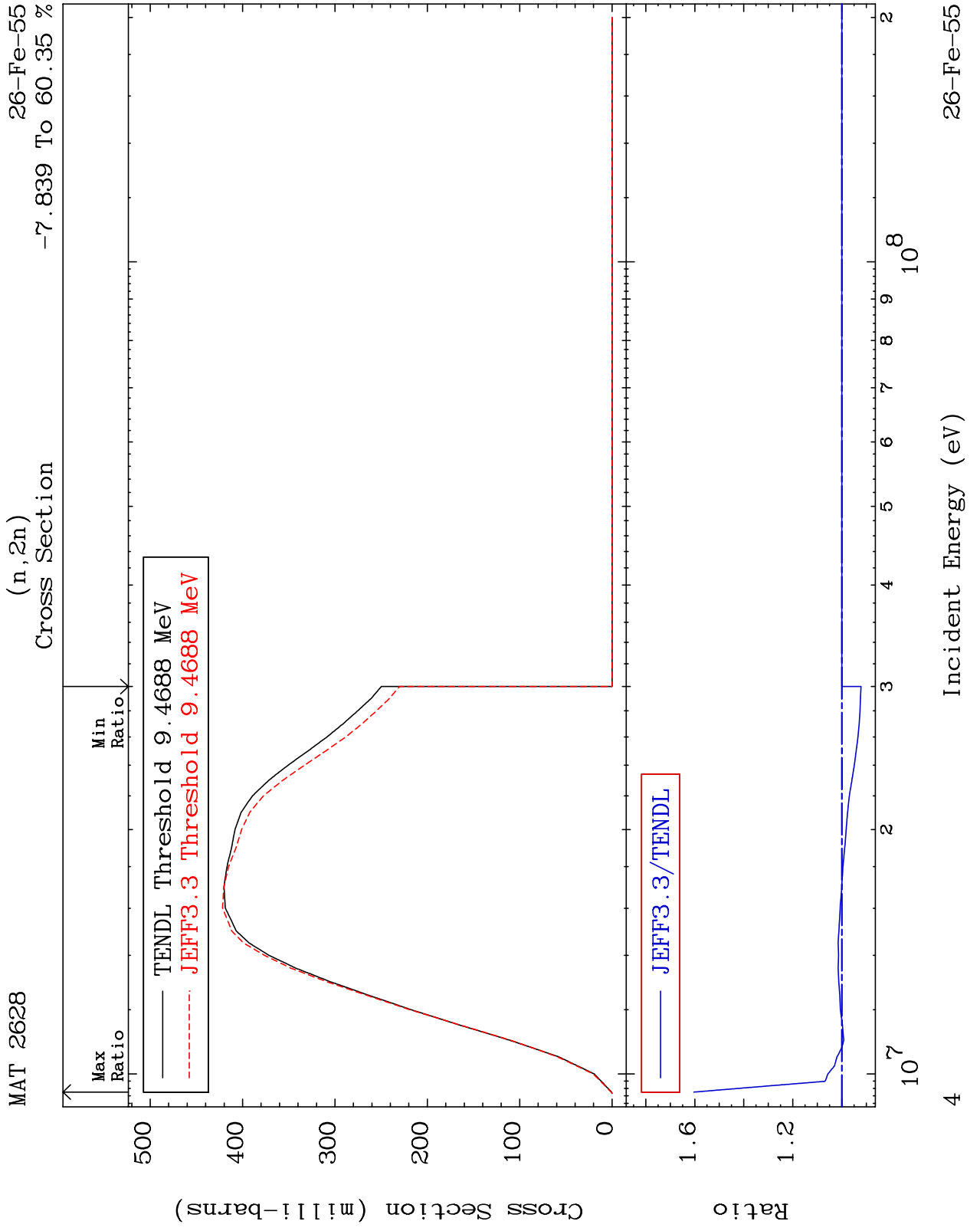
²⁶-Fe-55
-99.82 To 1016. %



²⁶-Fe-55

2





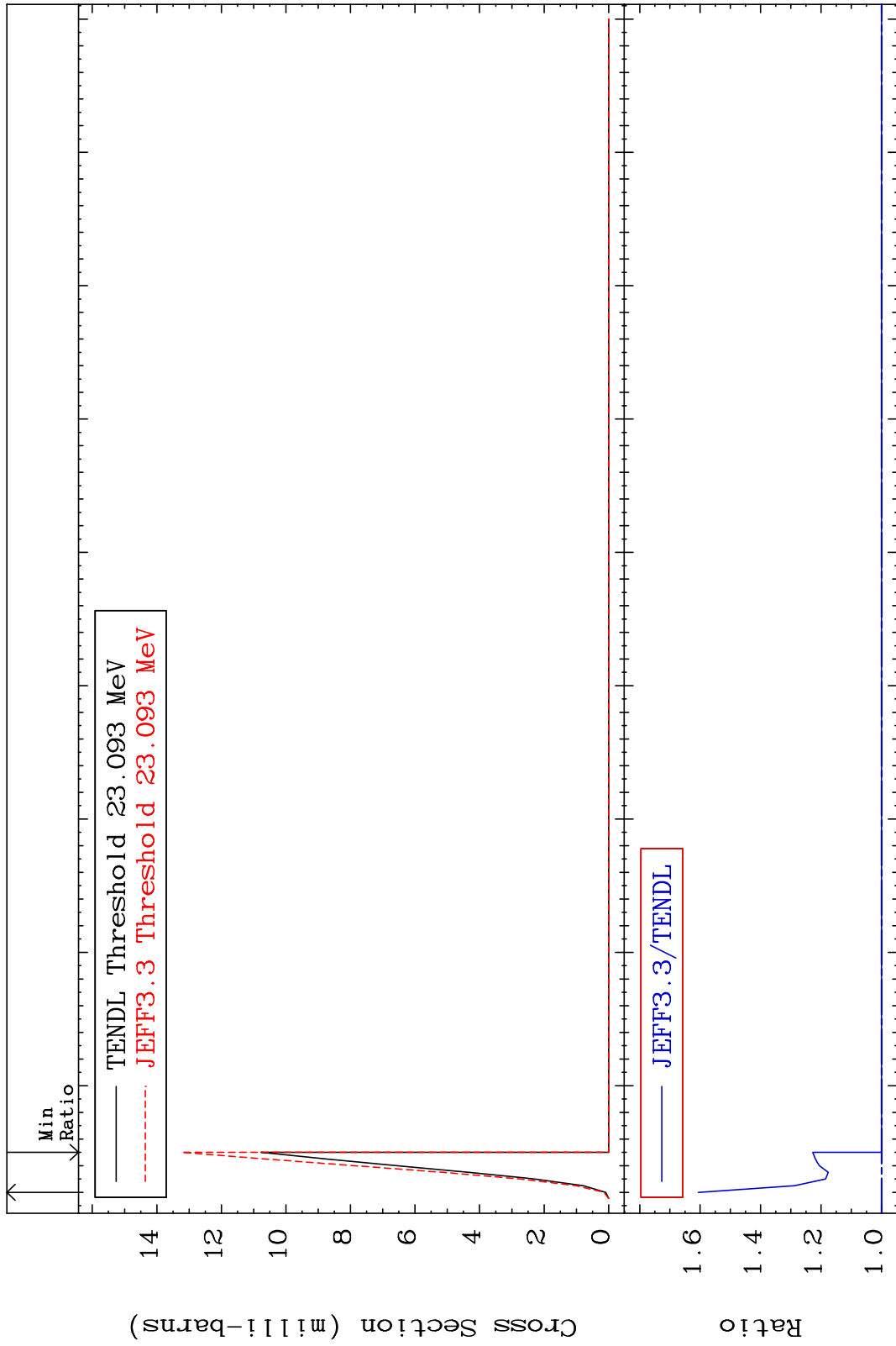
MAT 2628

(n,3n)

²⁶Fe-55

Cross Section

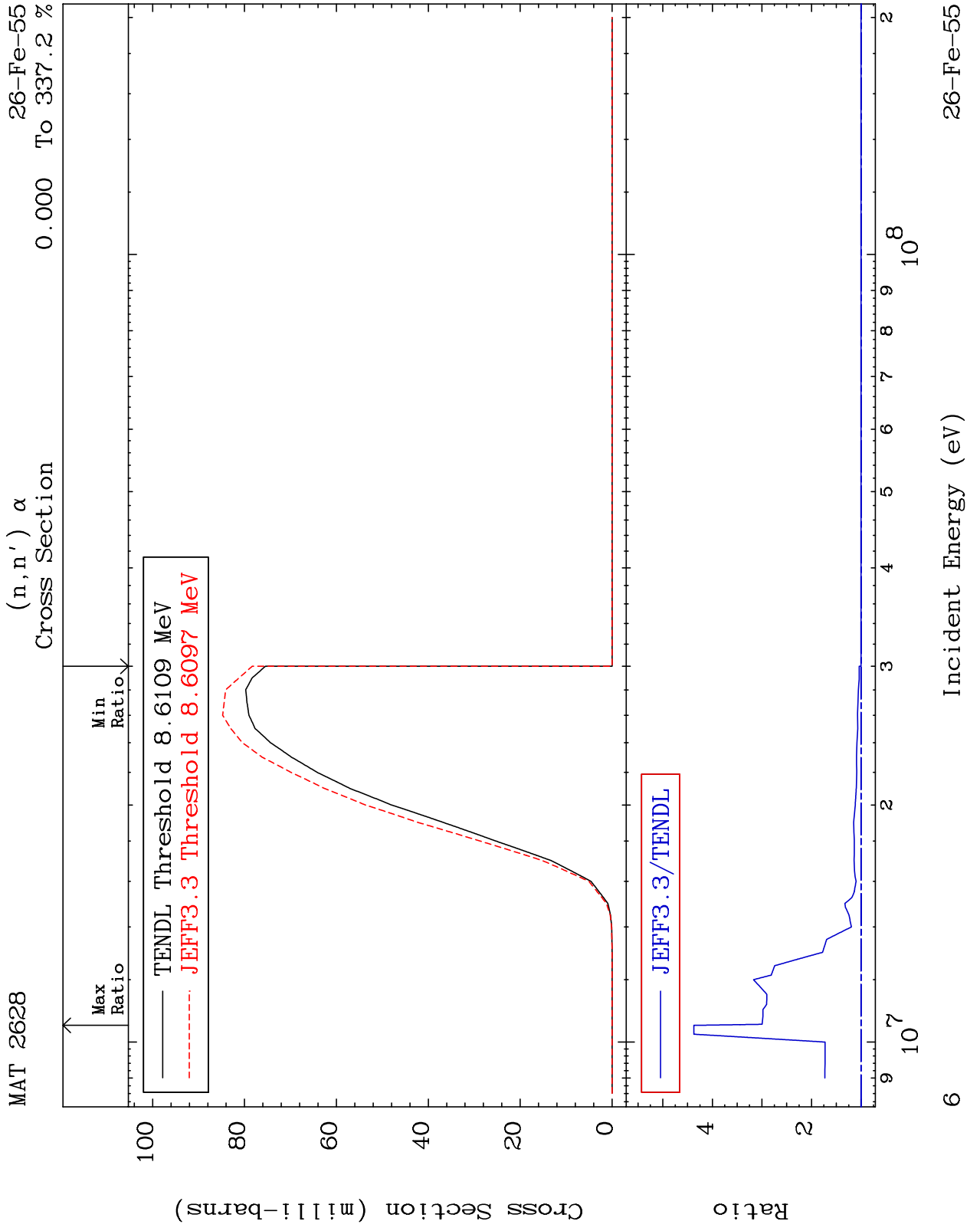
0.000 To 60.60 %



Incident Energy (MeV)

²⁶Fe-55

5



MAT 2628

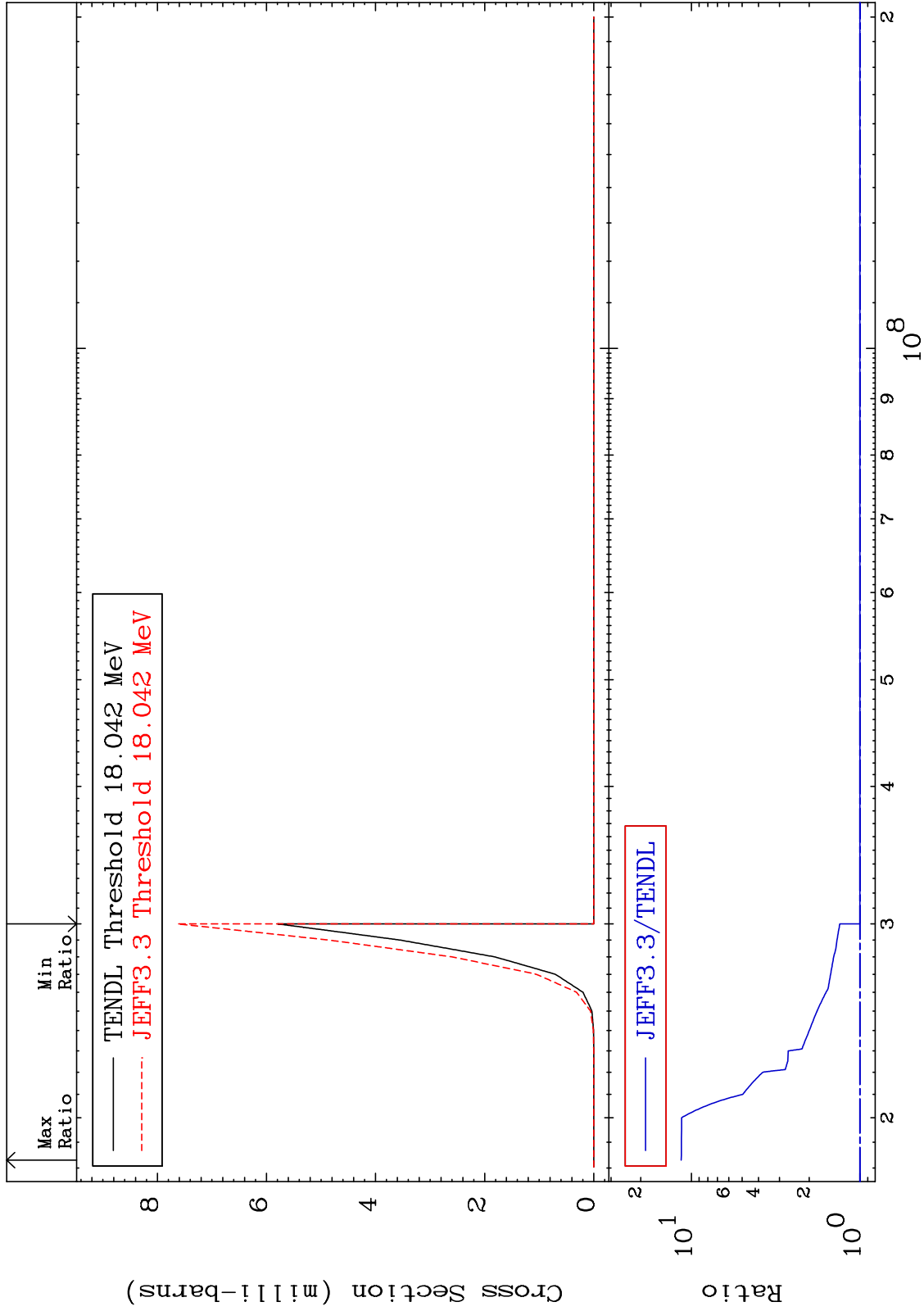
(n,2n) α

²⁶Fe-55

Cross Section

0.000

To 1049. %



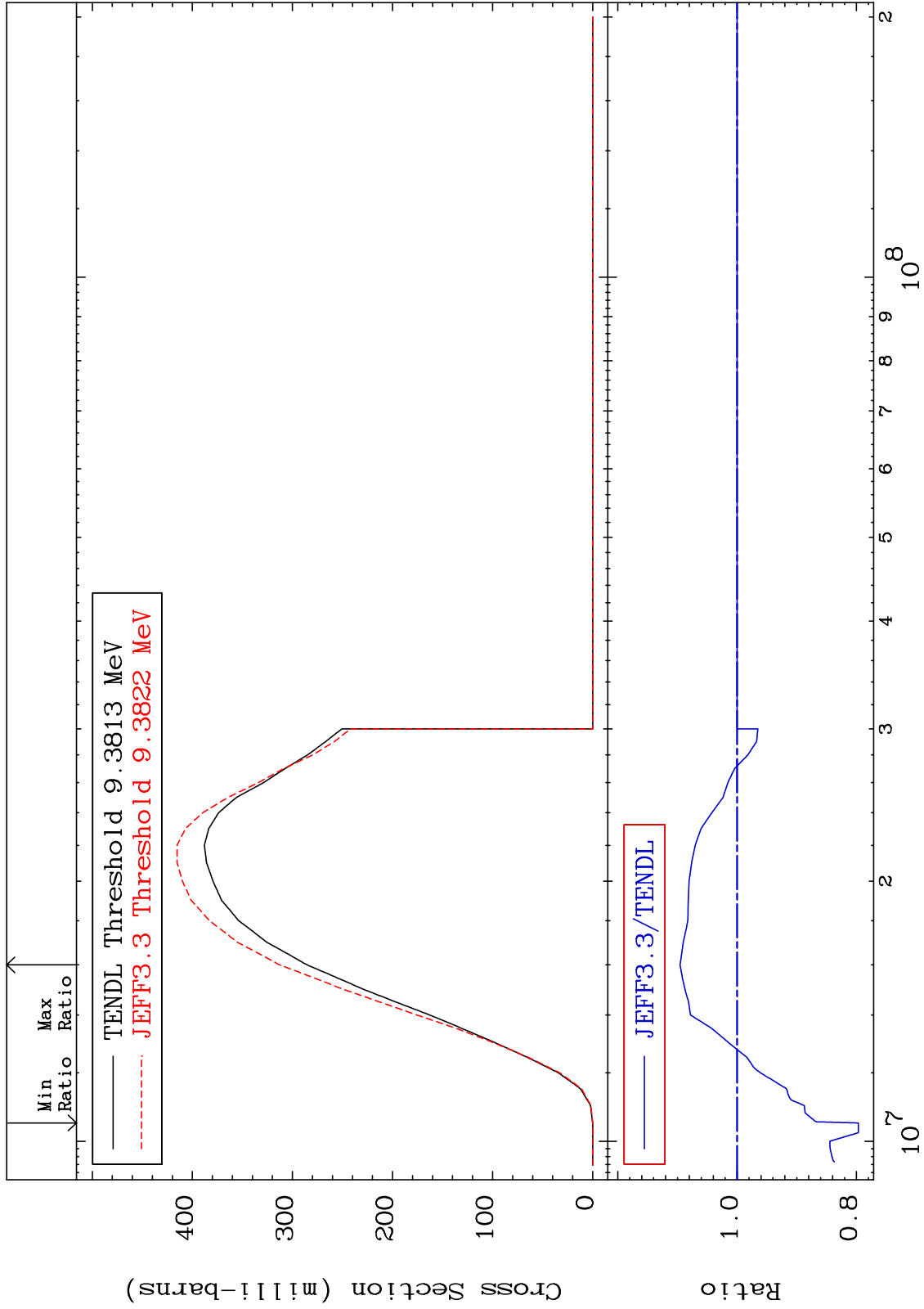
MAT 2628

(n,n') p

²⁶Fe-55

Cross Section

-20.33 To 9.573 %



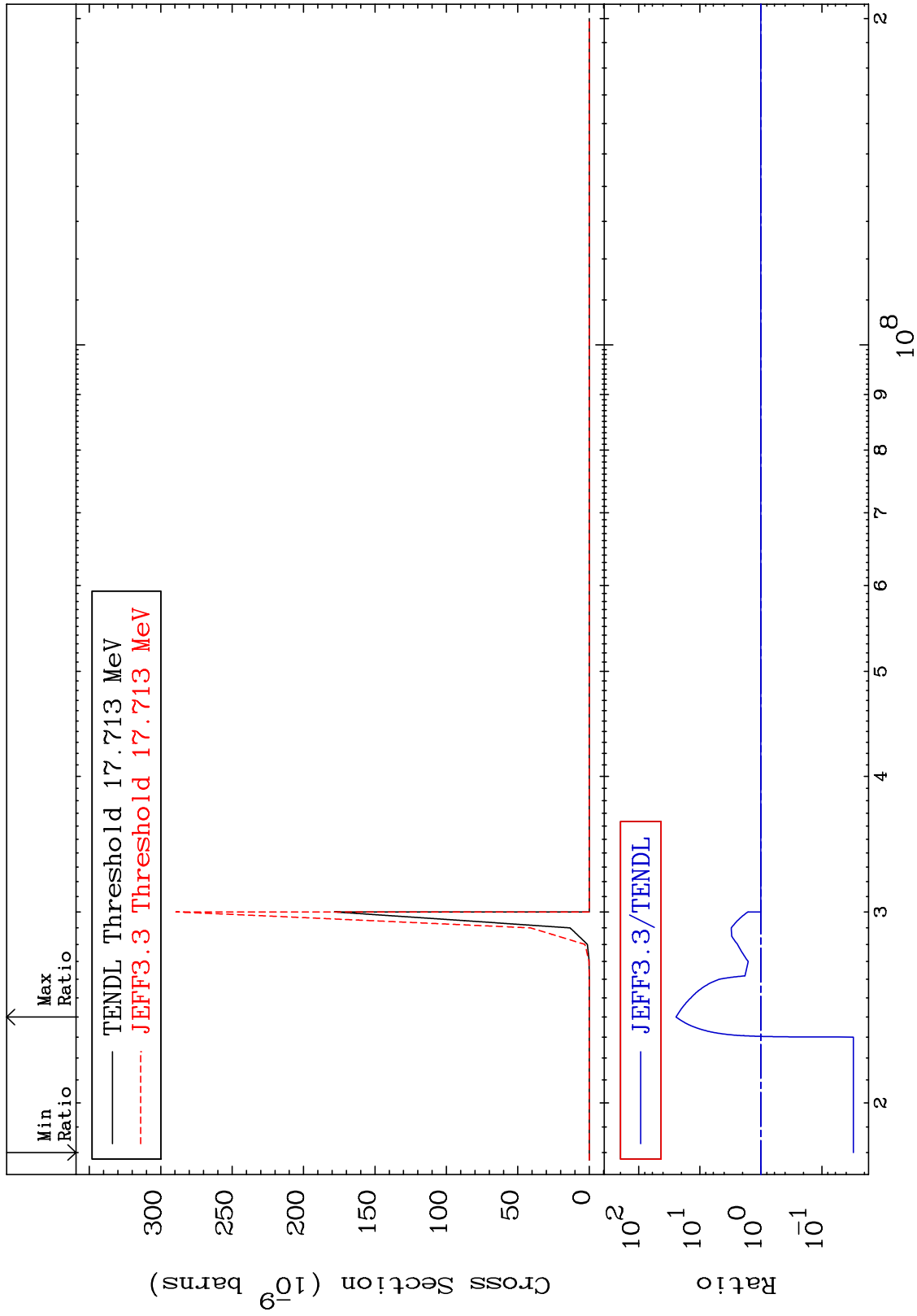
Incident Energy (eV)

²⁶Fe-55

MAT 2628

(n,n') 2α
Cross Section

26-Fe-55
-96.96 To 2350. %



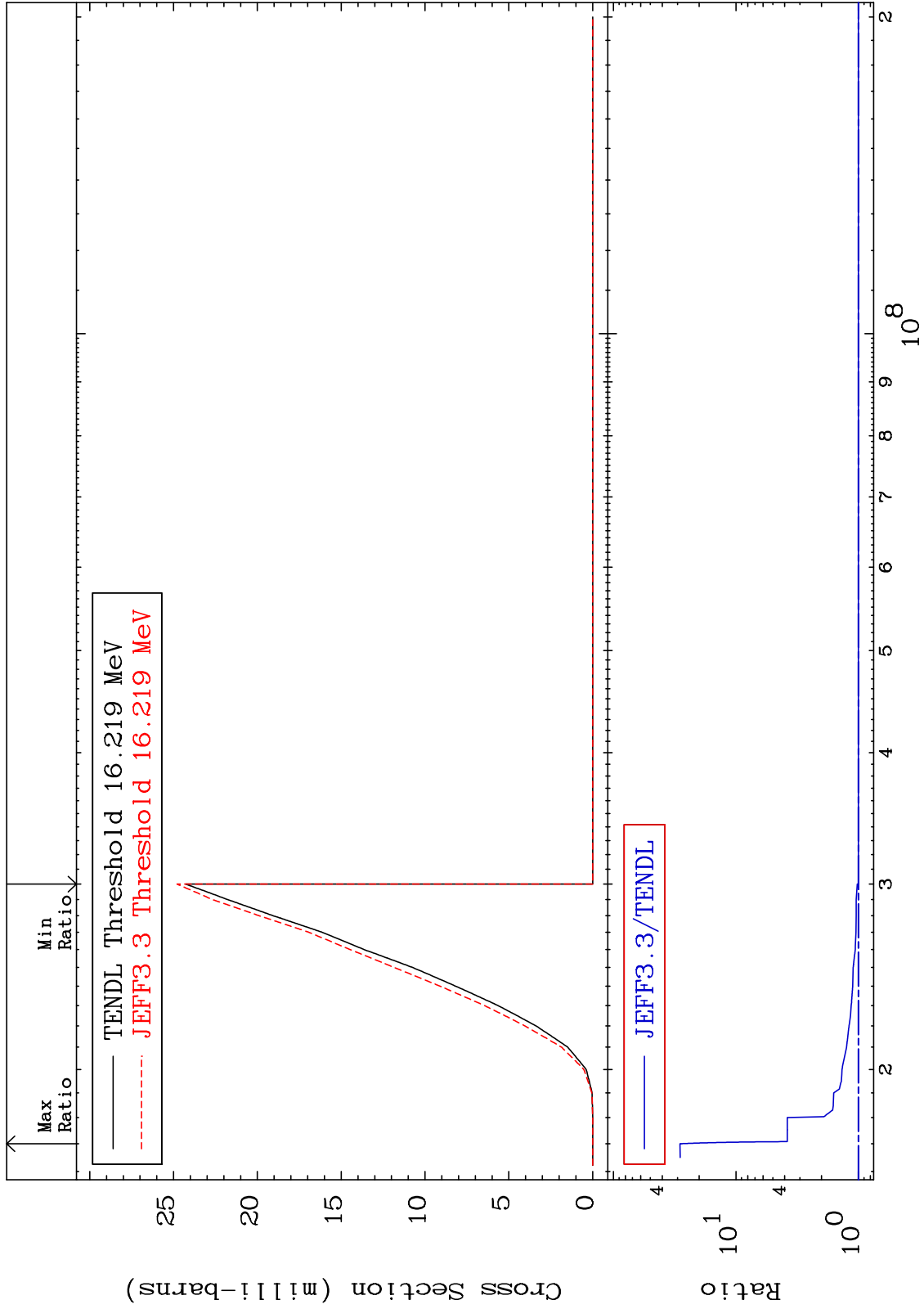
MAT 2628

(n,n') d

²⁶Fe-55

Cross Section

0.000 To 2763. %



10

Incident Energy (eV)

²⁶Fe-55

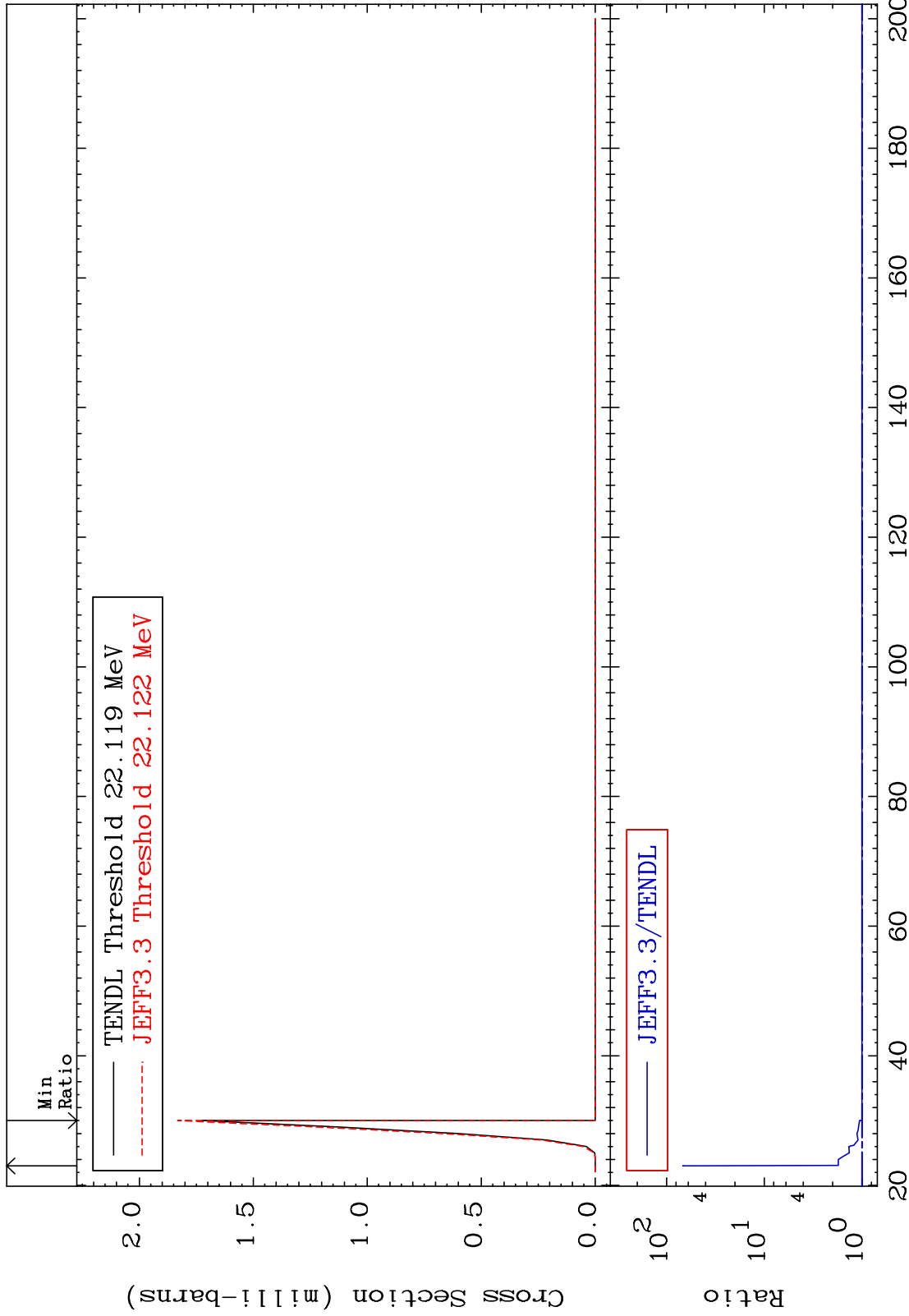
MAT 2628

(n,n') t

²⁶Fe-55

Cross Section

0.000 To 6716. %



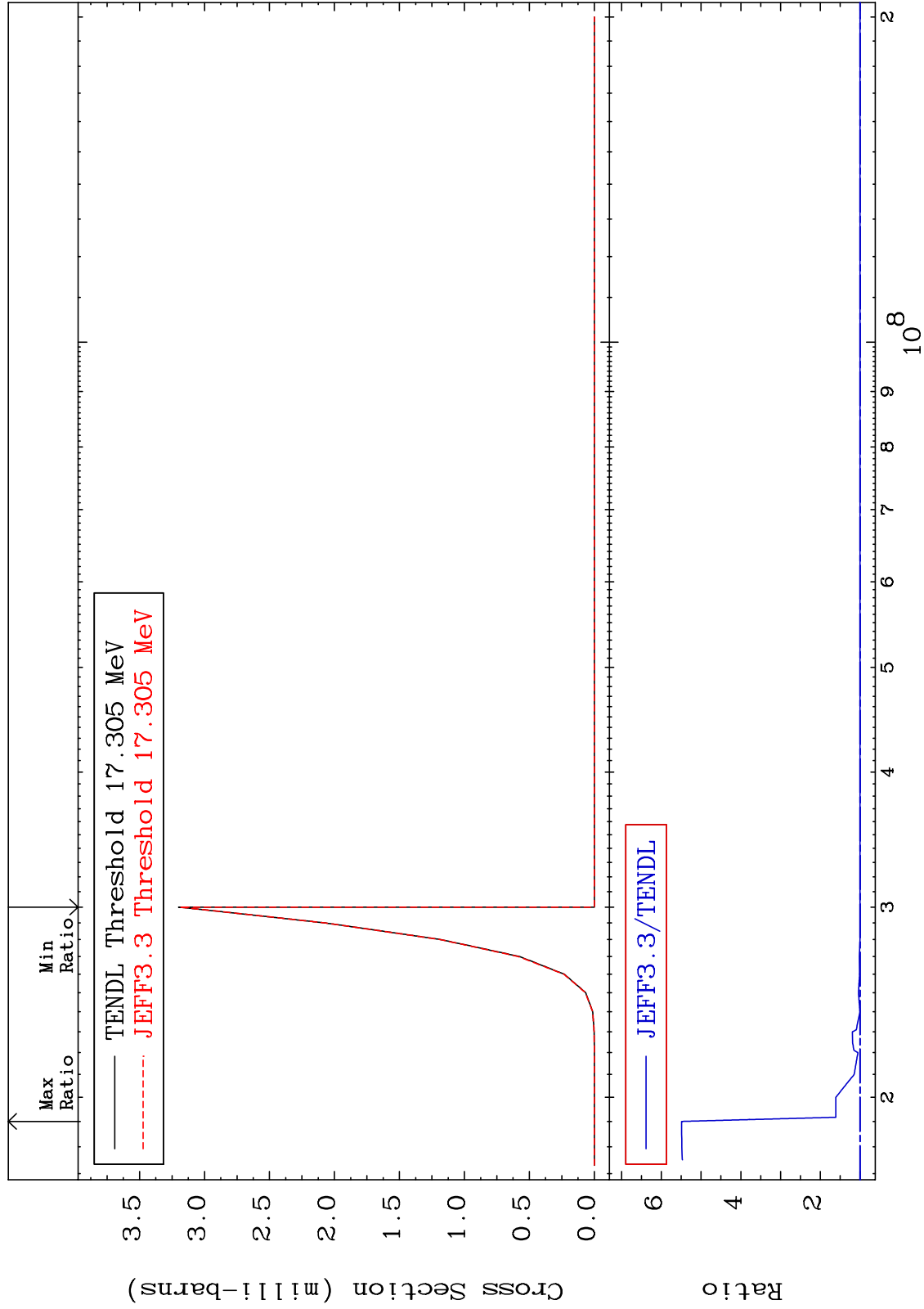
²⁶Fe-55

Incident Energy (MeV)

MAT 2628

(n, n') He-3
Cross Section

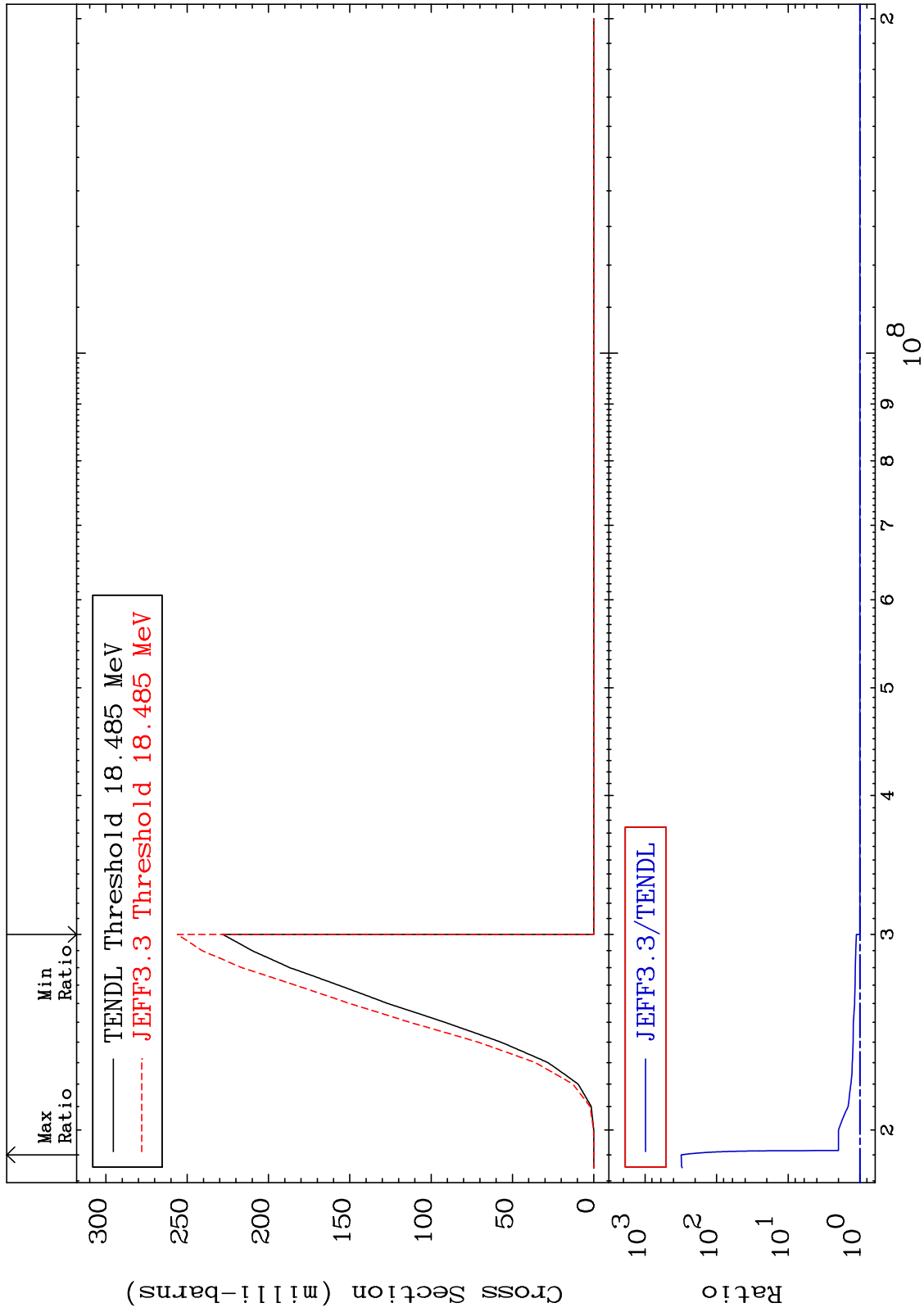
²⁶Fe-55
-0.196 To 448.9 %



MAT 2628

(n,2n) p
Cross Section

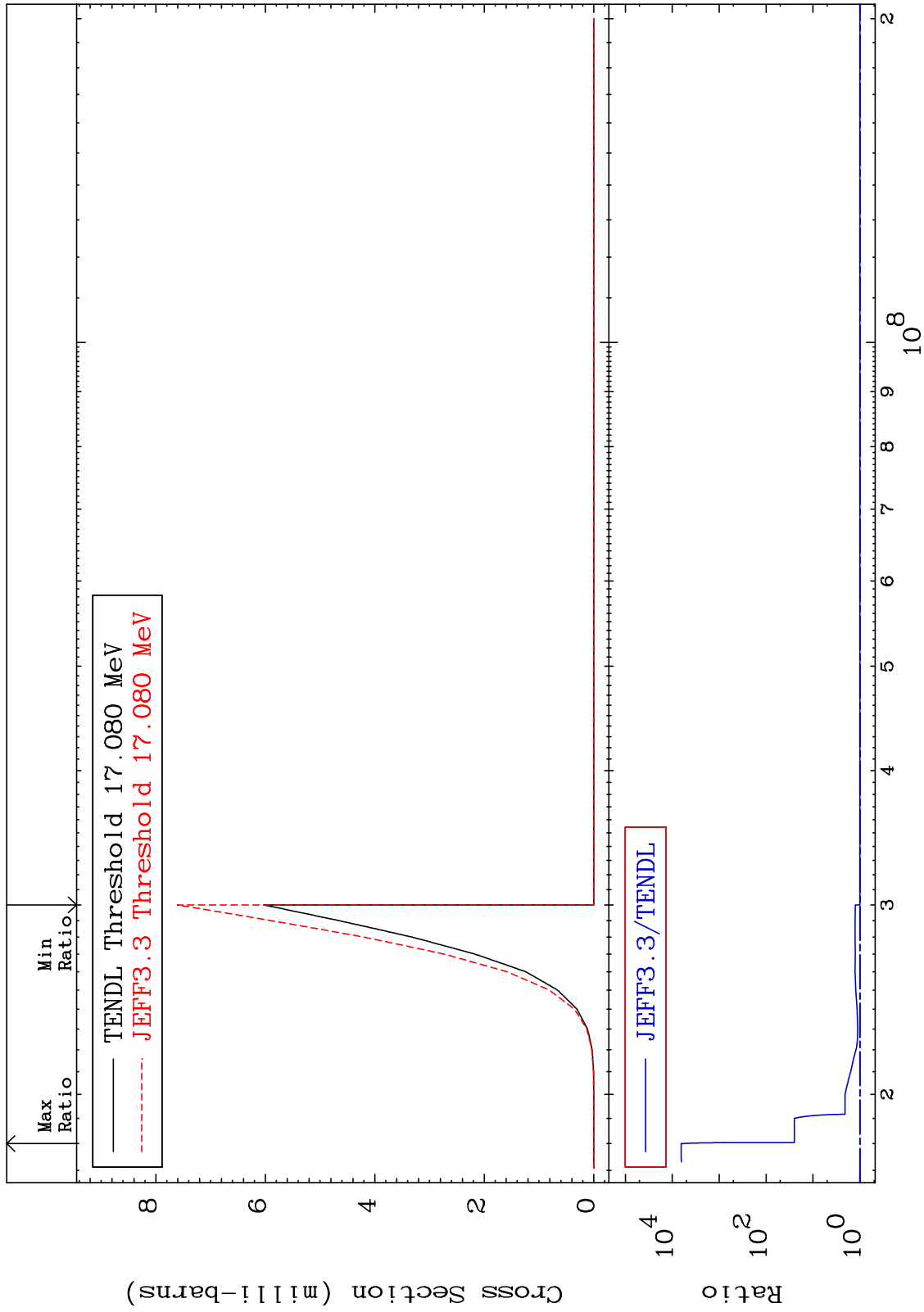
26-Fe-55
0.000 To 9999. %



MAT 2628

(n,2n) p
Cross Section

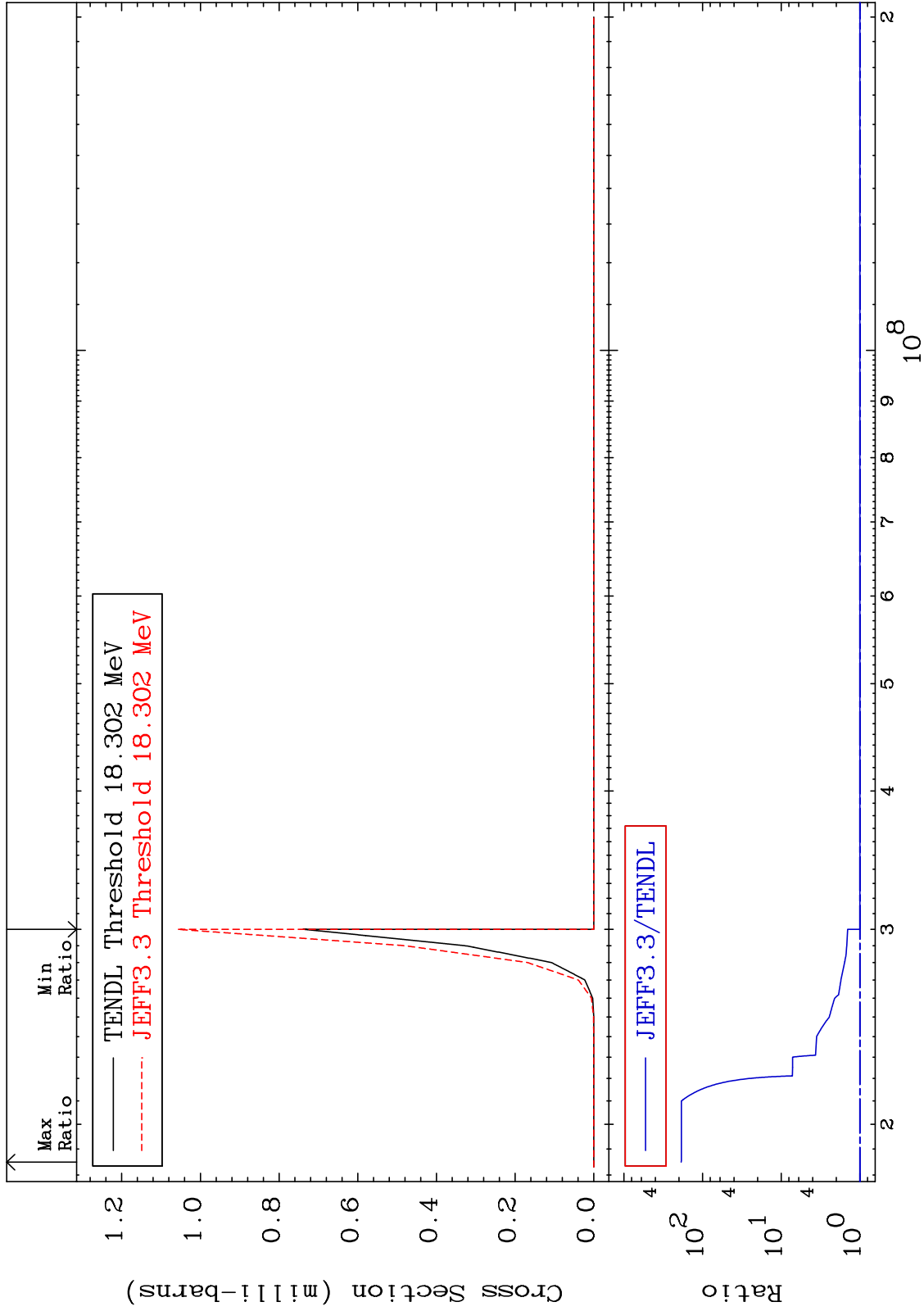
26-Fe-55
0.000 To 9999. %



MAT 2628

(n,n') p α
Cross Section

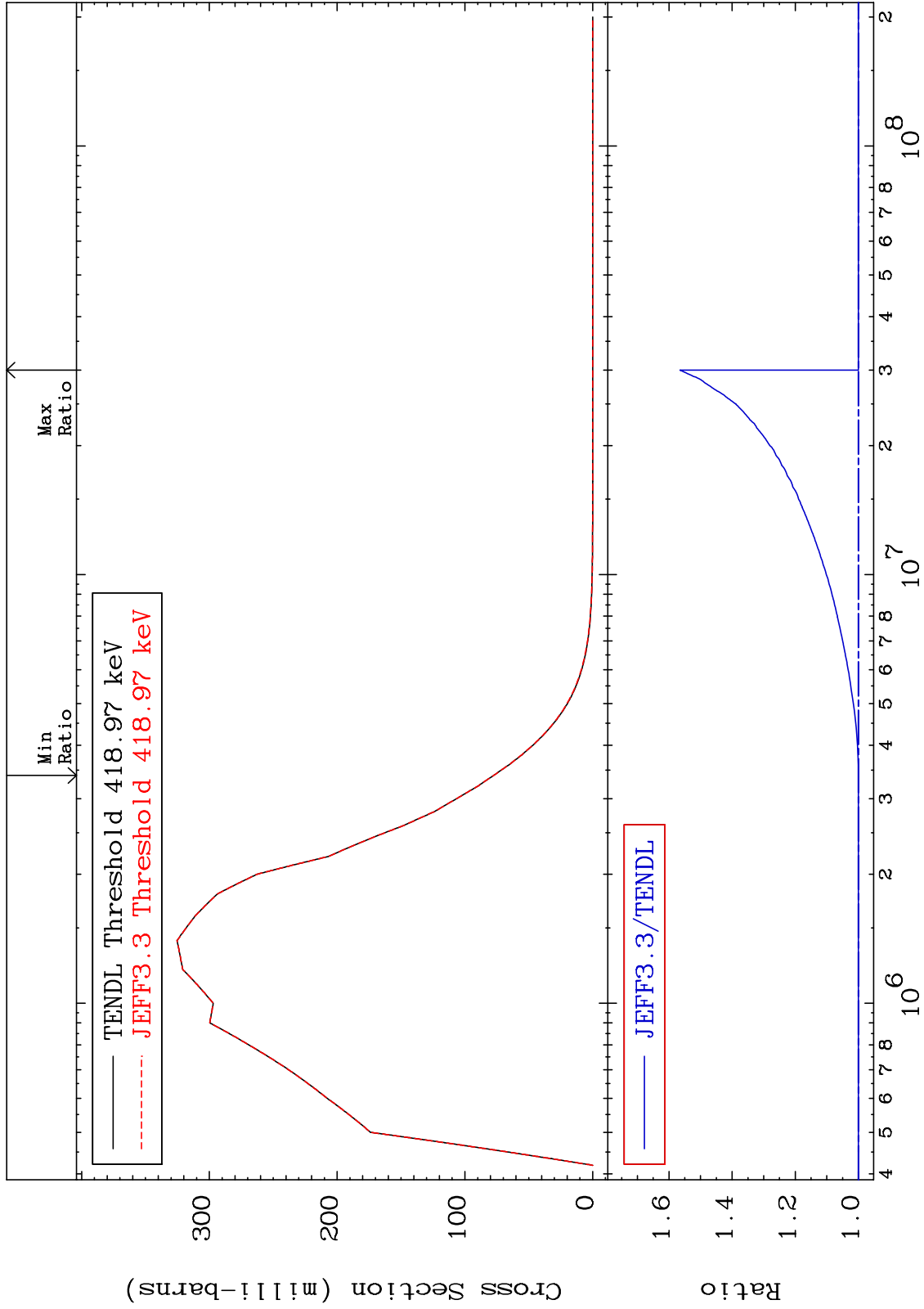
26-Fe-55
0.000 To 9999. %



MAT 2628

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

²⁶-Fe-55
-0.024 To 56.51 %



16

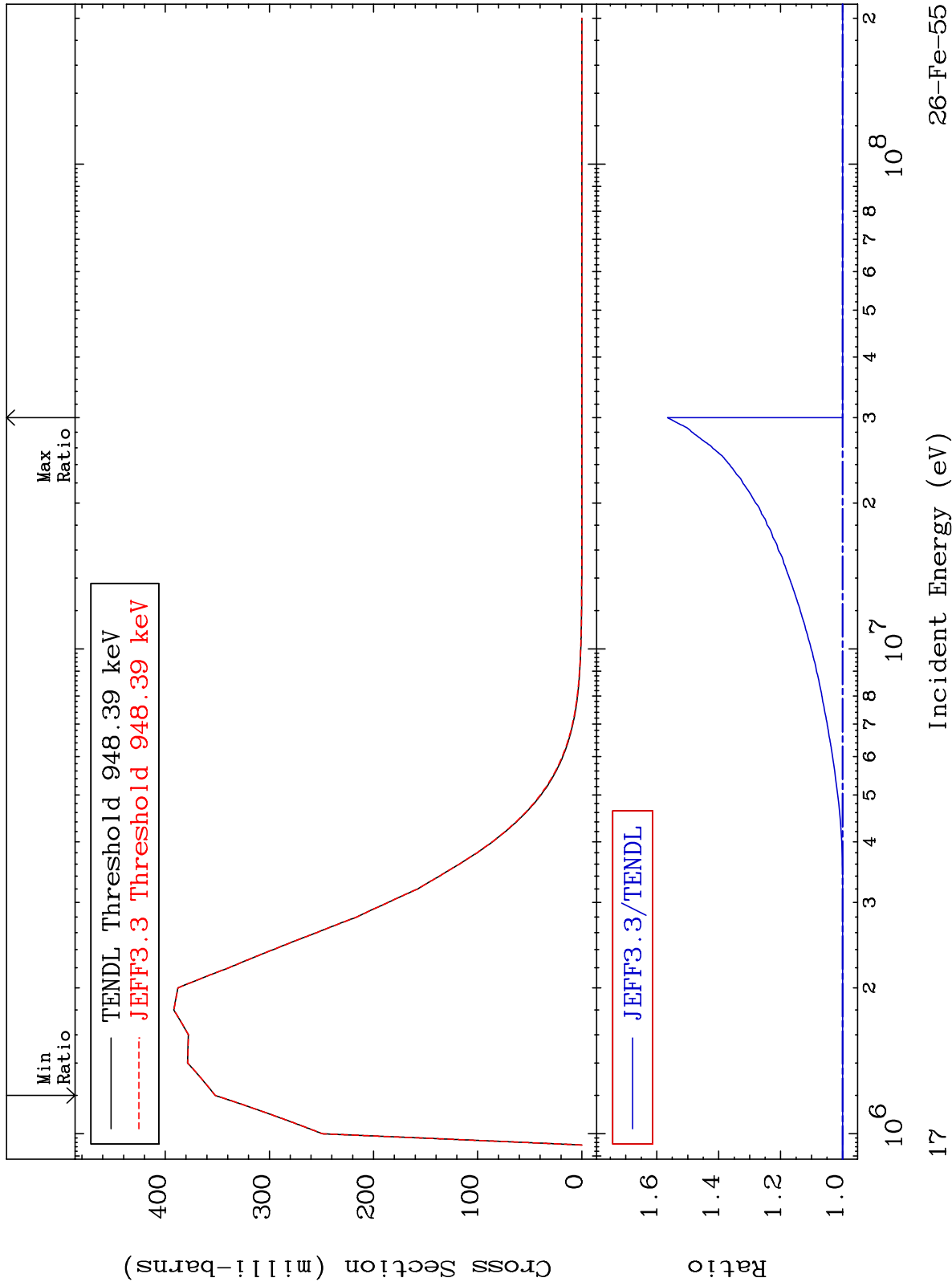
Incident Energy (eV)

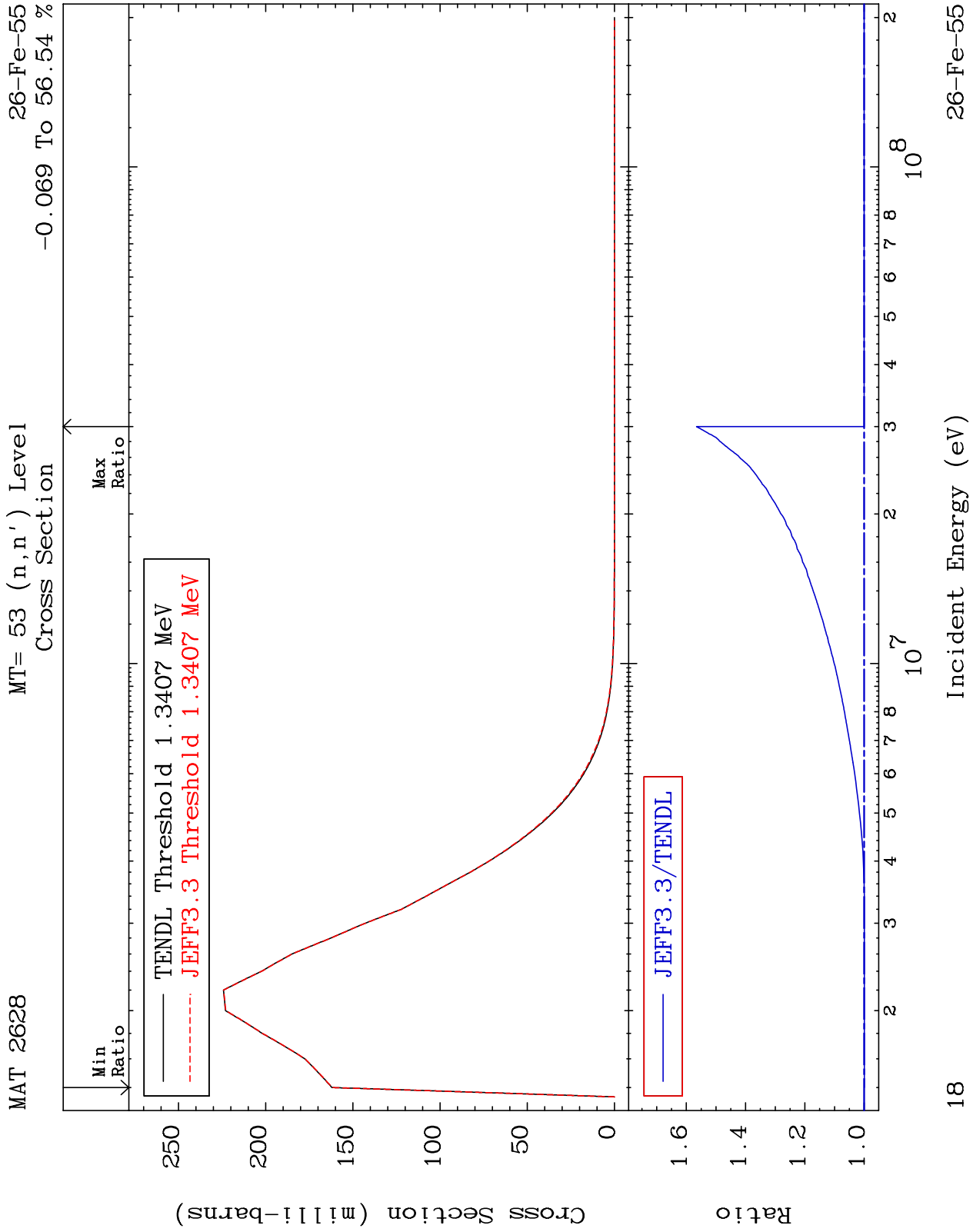
²⁶-Fe-55

MAT 2628

MT= 52 (n,n') Level
Cross Section

26-Fe-55
-0.040 To 56.52 %

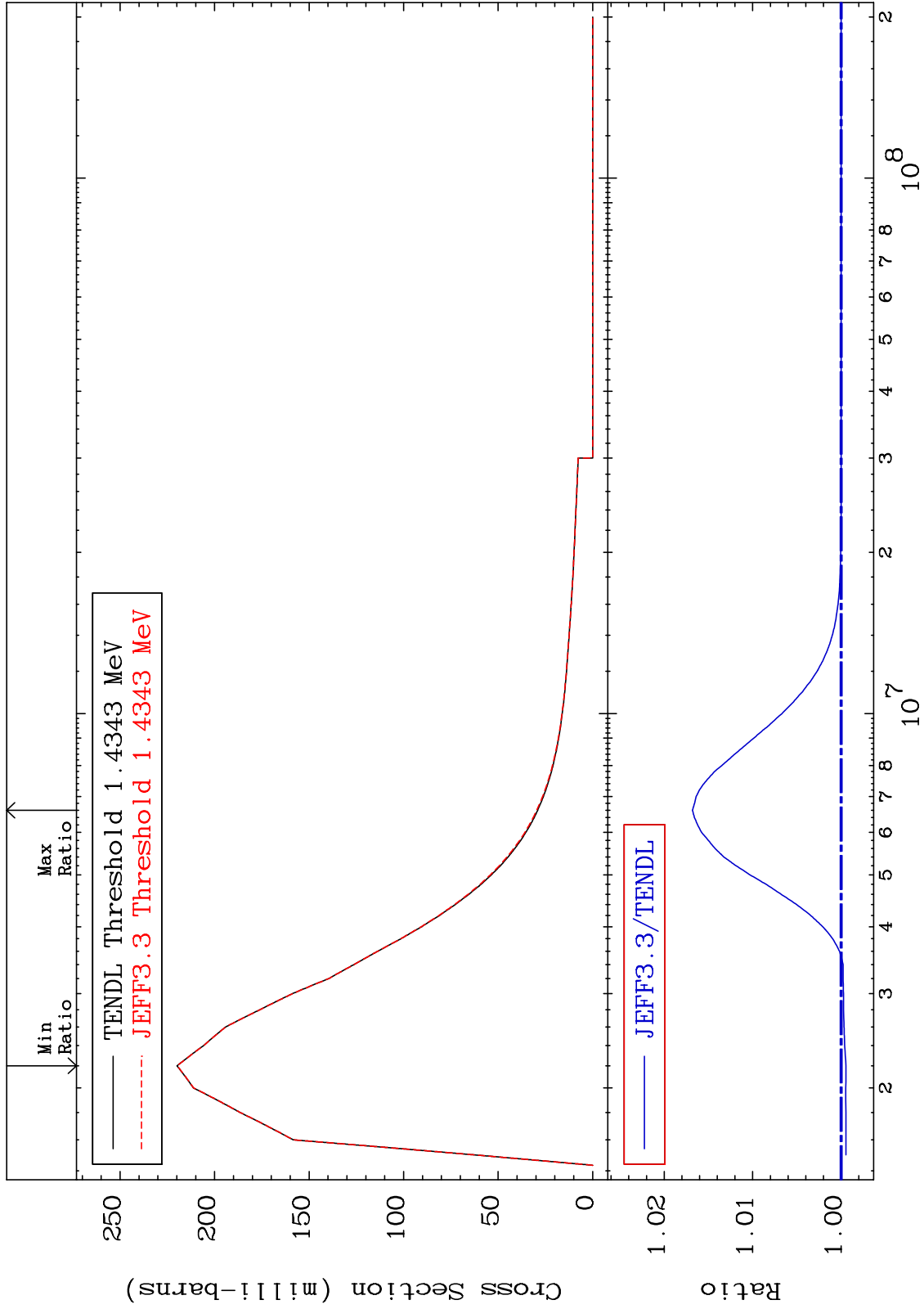




MAT 2628

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

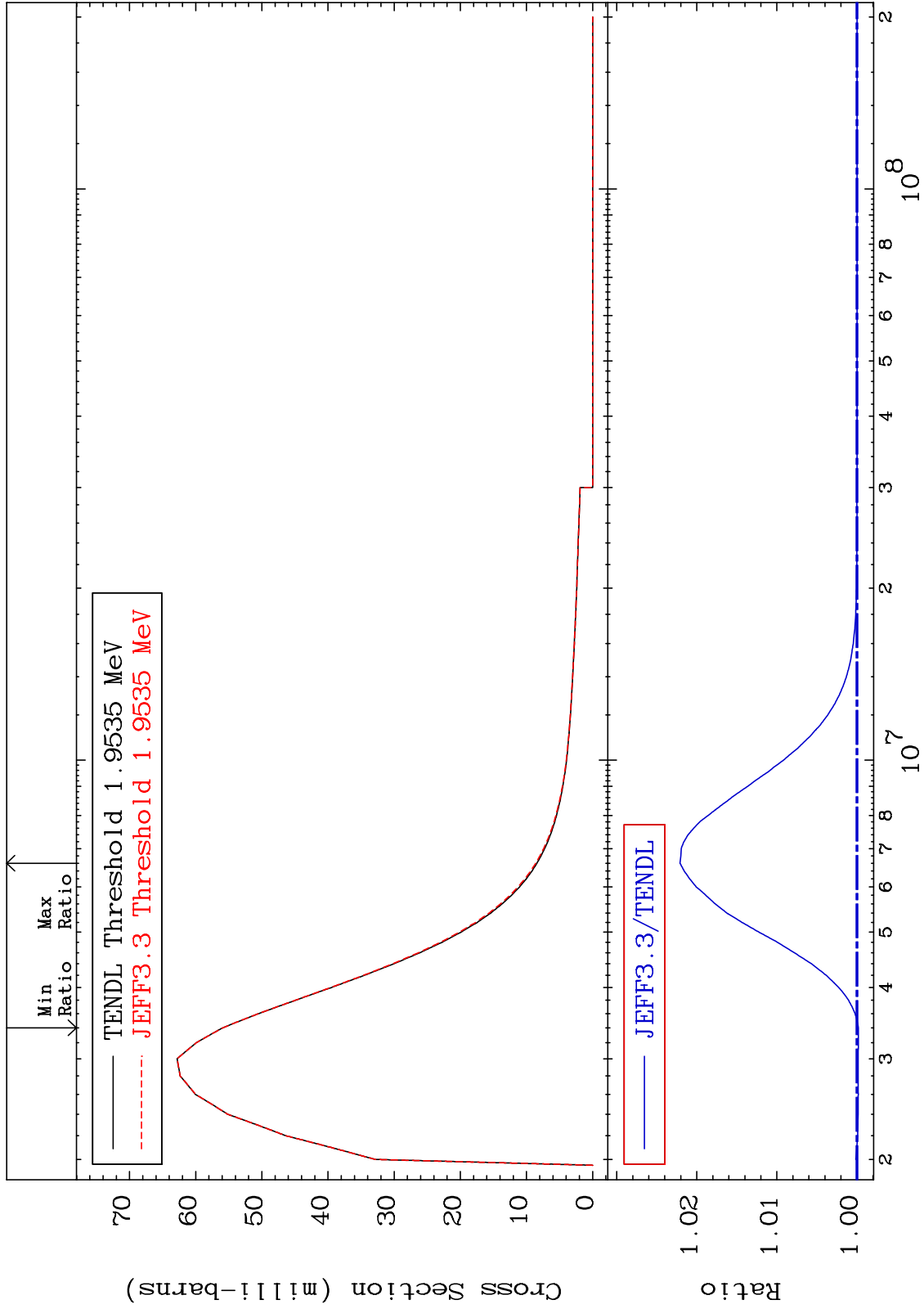
26-Fe-55
-0.055 To 1.681 %

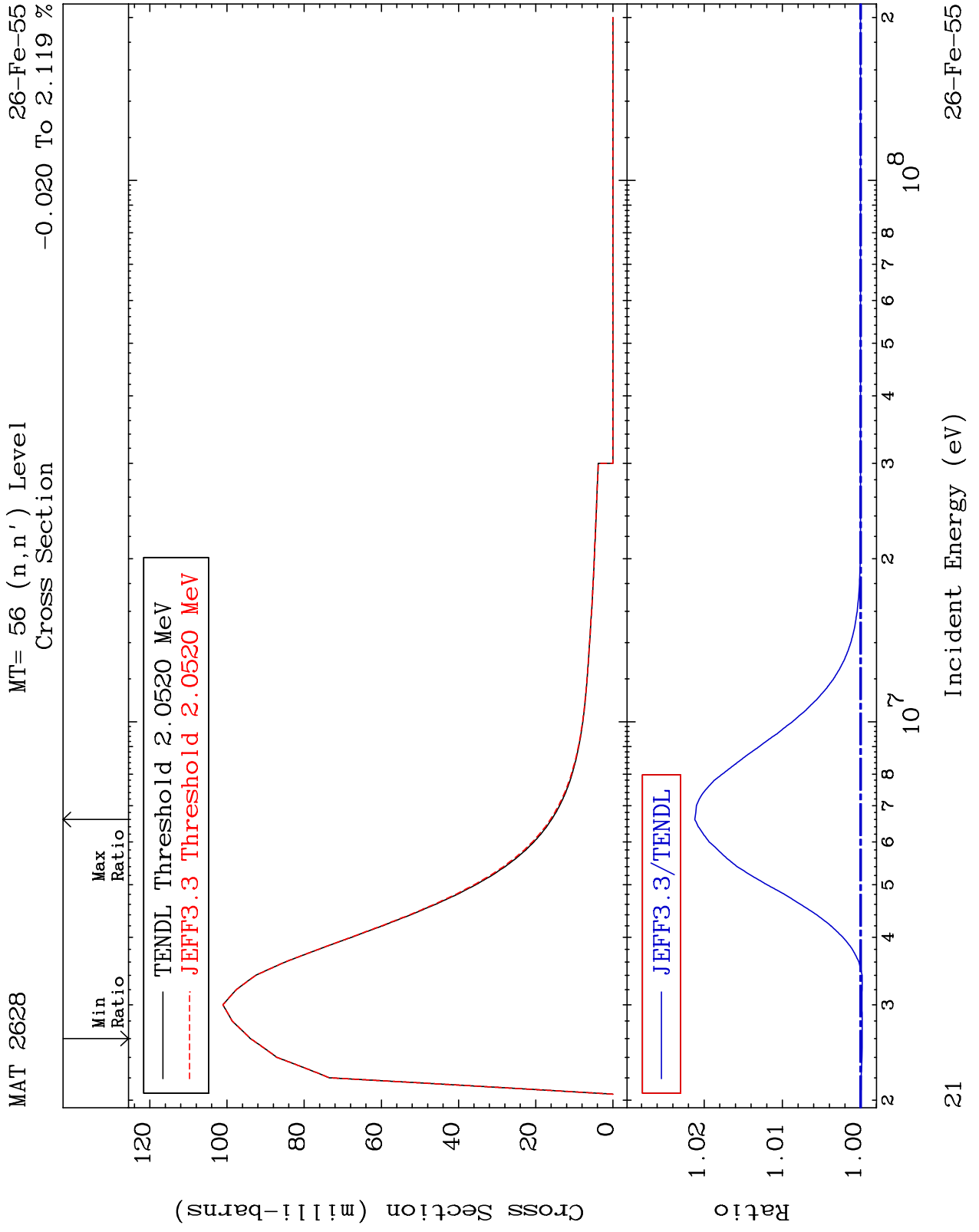


MAT 2628

MT= 55 (n,n') Level
Cross Section

26-Fe-55
-0.018 To 2.210 %

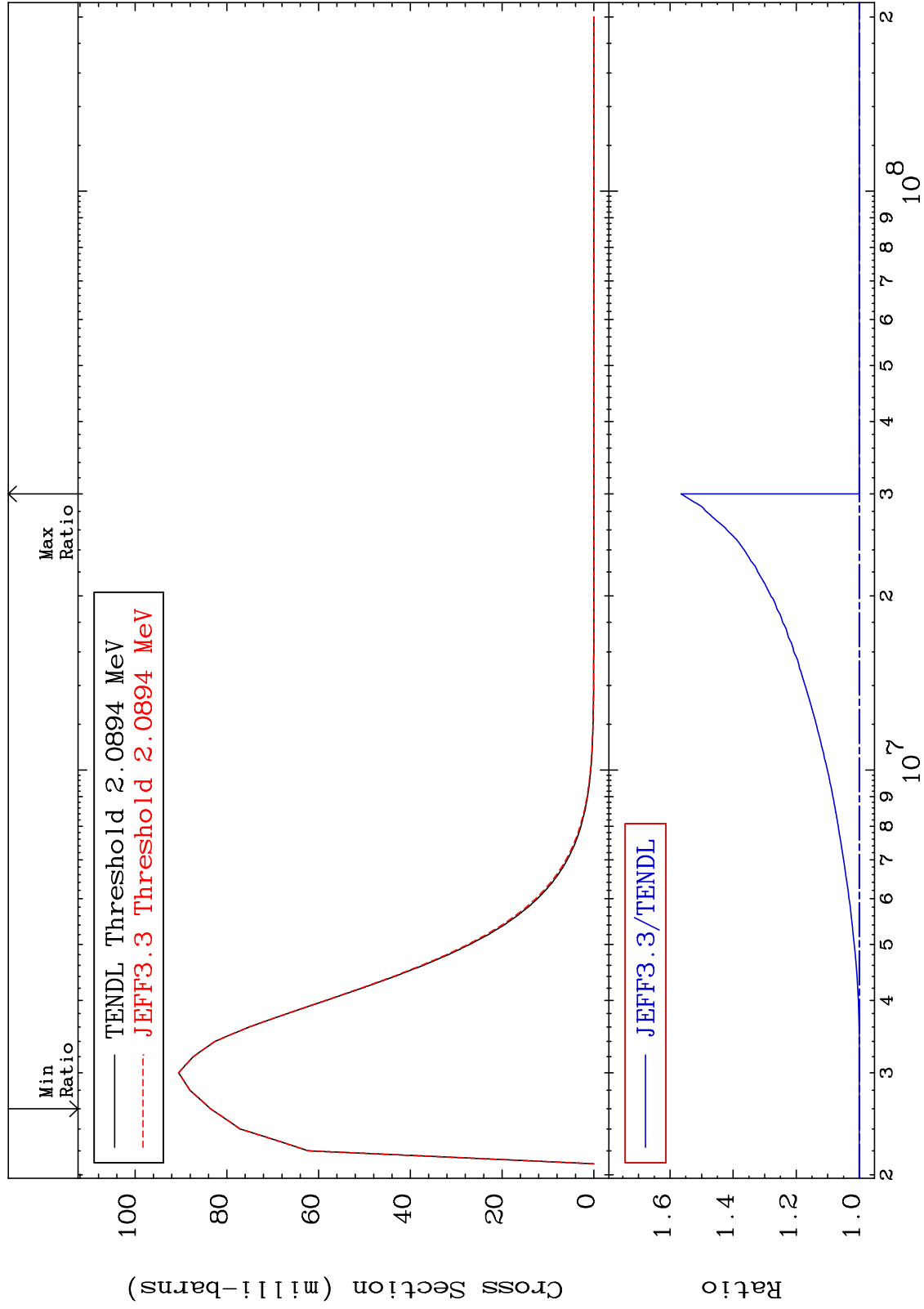




MAT 2628

MT= 57 (n,n') Level
Cross Section

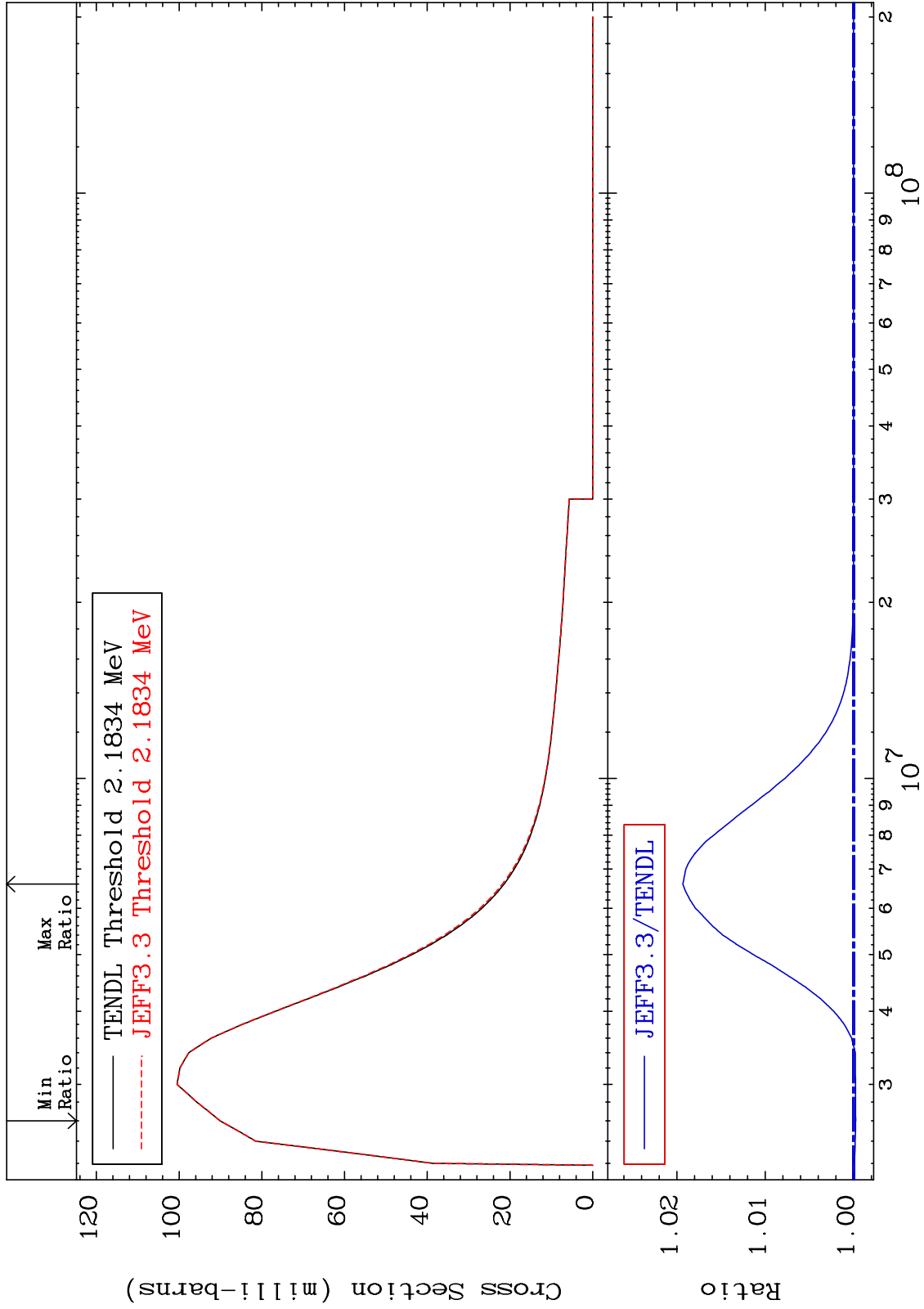
26-Fe-55
-0.021 To 56.51 %

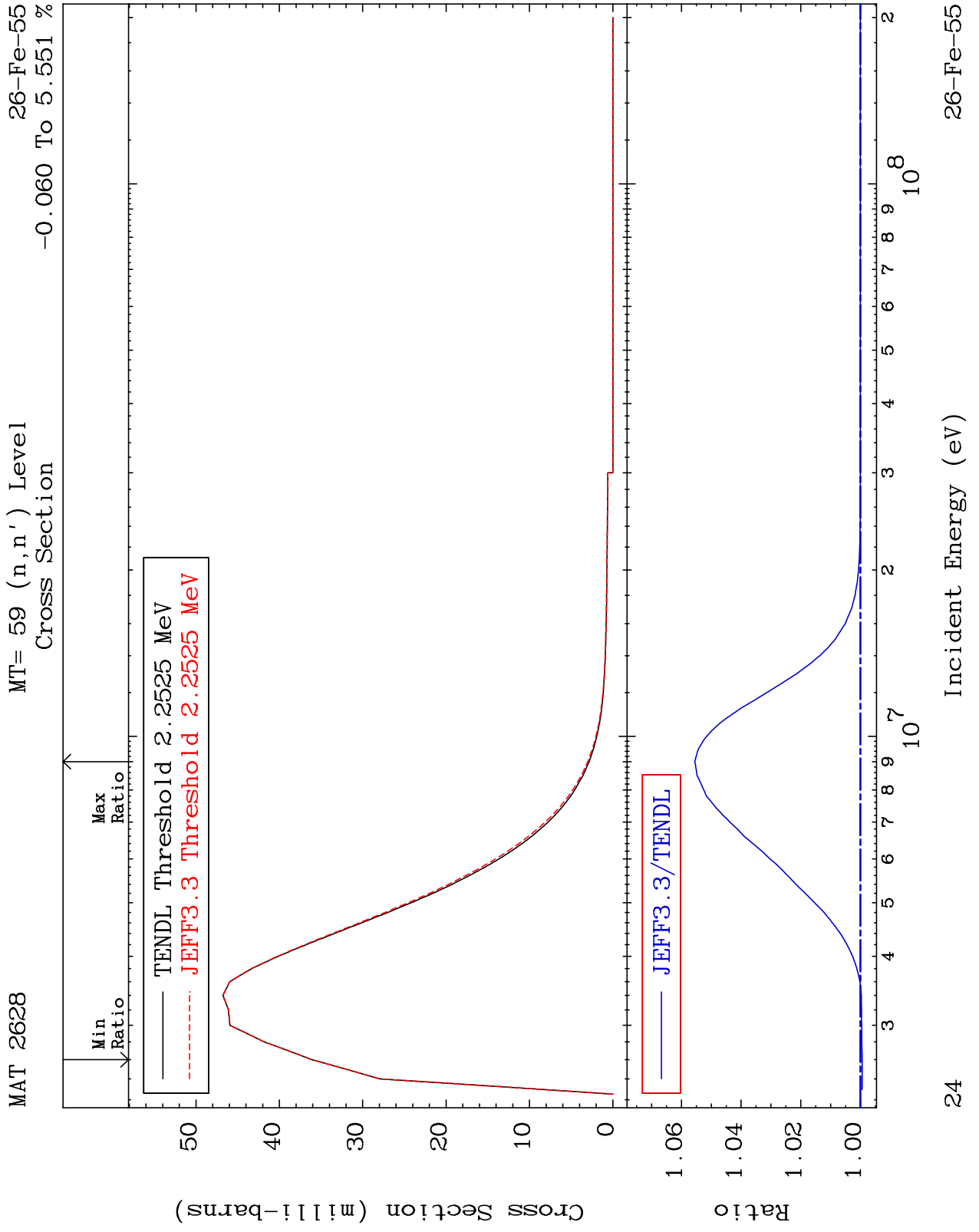


MAT 2628

MT= 58 (n, n') Level
Cross Section

26-Fe-55
-0.022 To 1.934 %

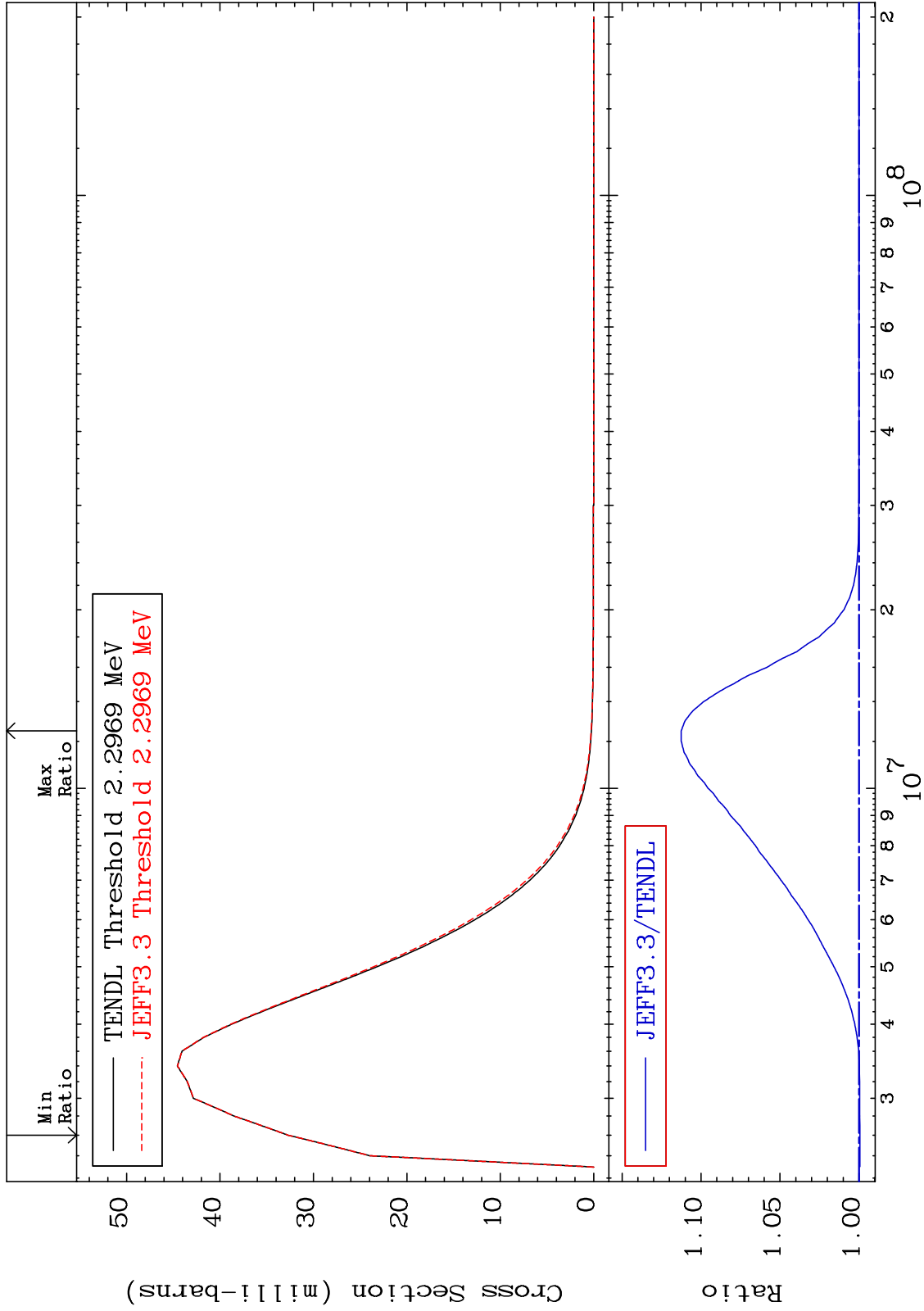




MAT 2628

MT= 60 (n,n') Level
Cross Section

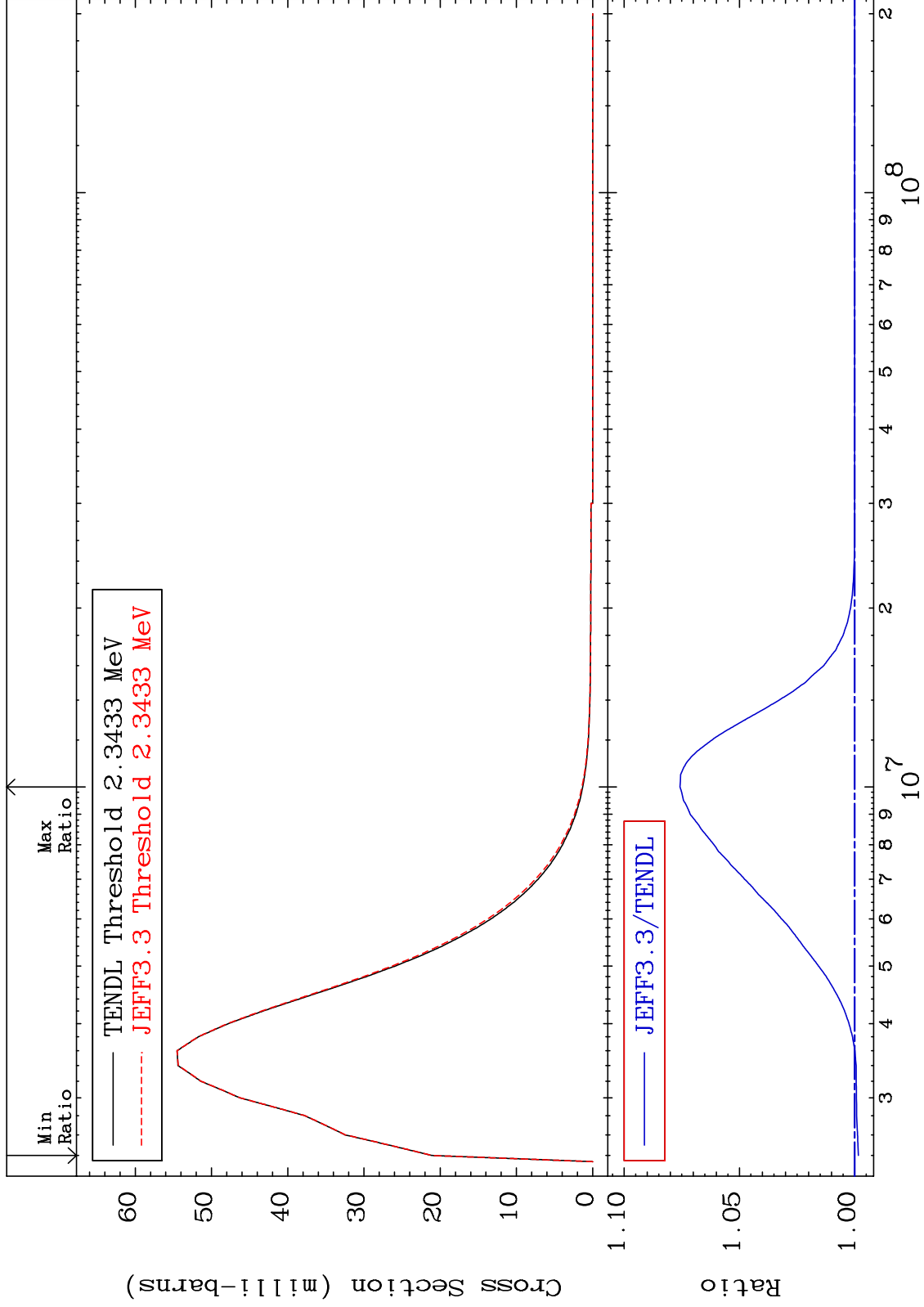
26-Fe-55
-0.059 To 11.26 %



MAT 2628

MT= 61 (n,n') Level
Cross Section

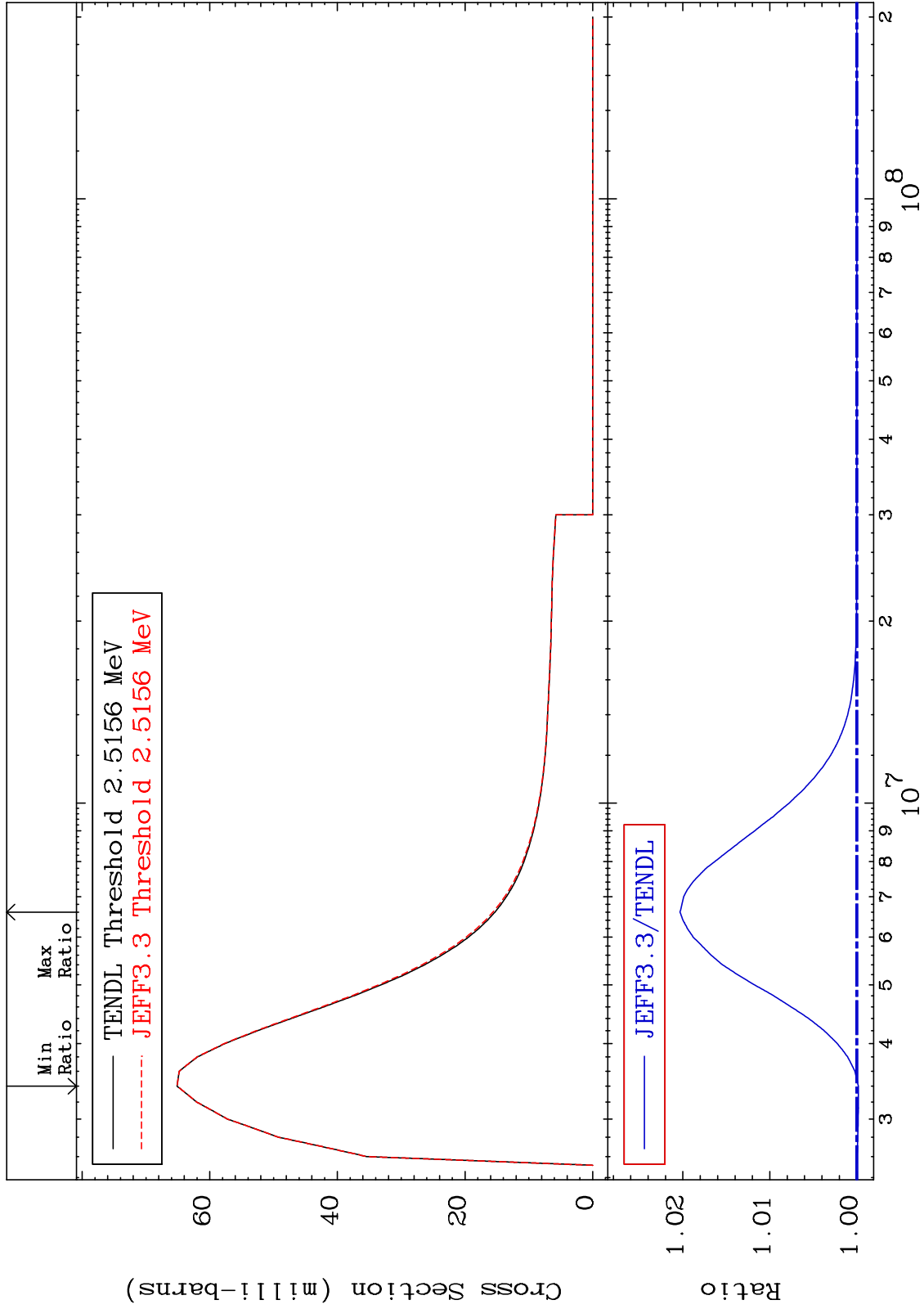
26-Fe-55
-0.162 To 7.576 %



MAT 2628

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

26-Fe-55
-0.019 To 2.033 %



27

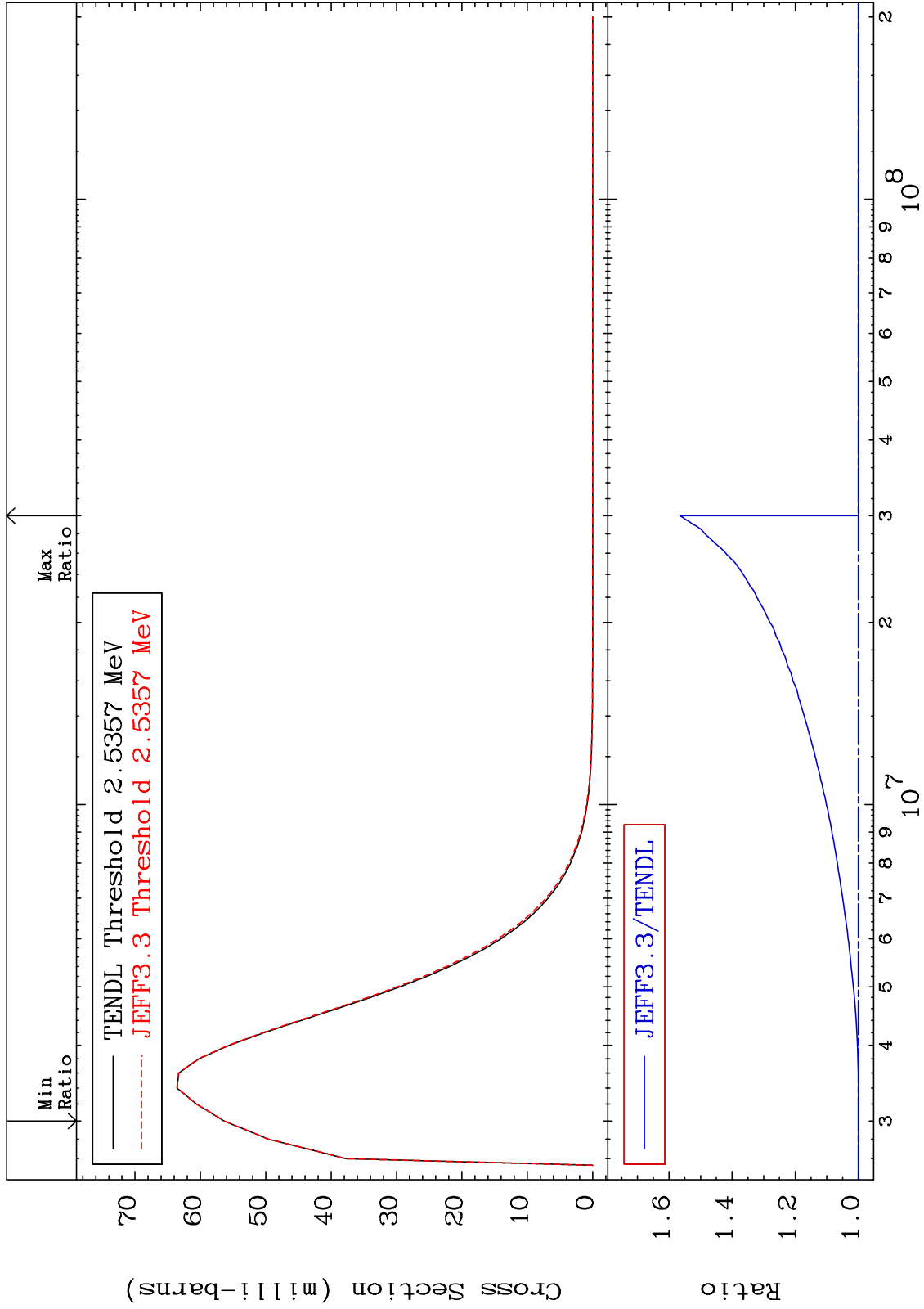
Incident Energy (eV)

26-Fe-55

MAT 2628

MT= 63 (n, n') Level
Cross Section

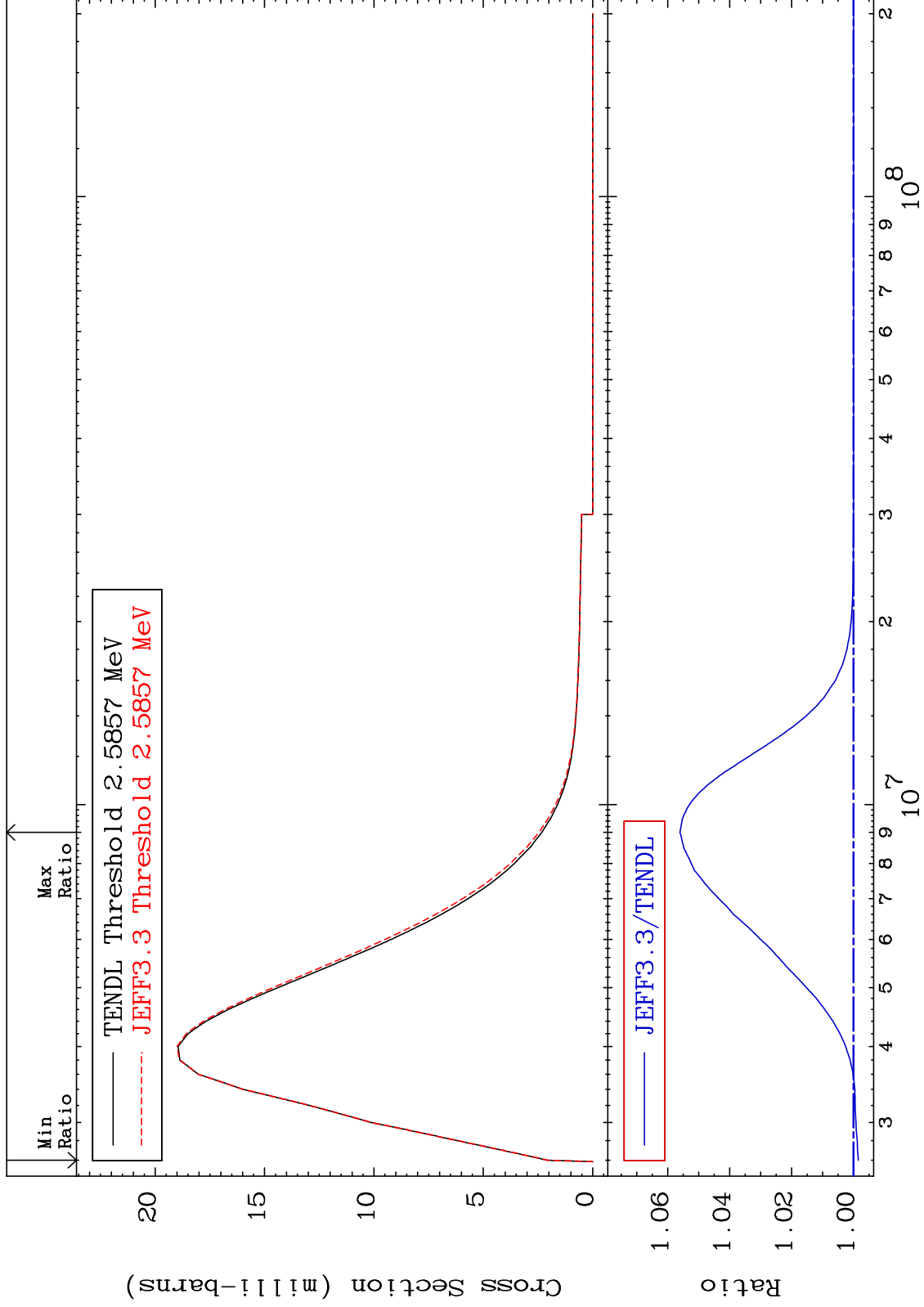
26-Fe-55
-0.020 To 56.52 %



MAT 2628

MT= 64 (n,n') Level
Cross Section

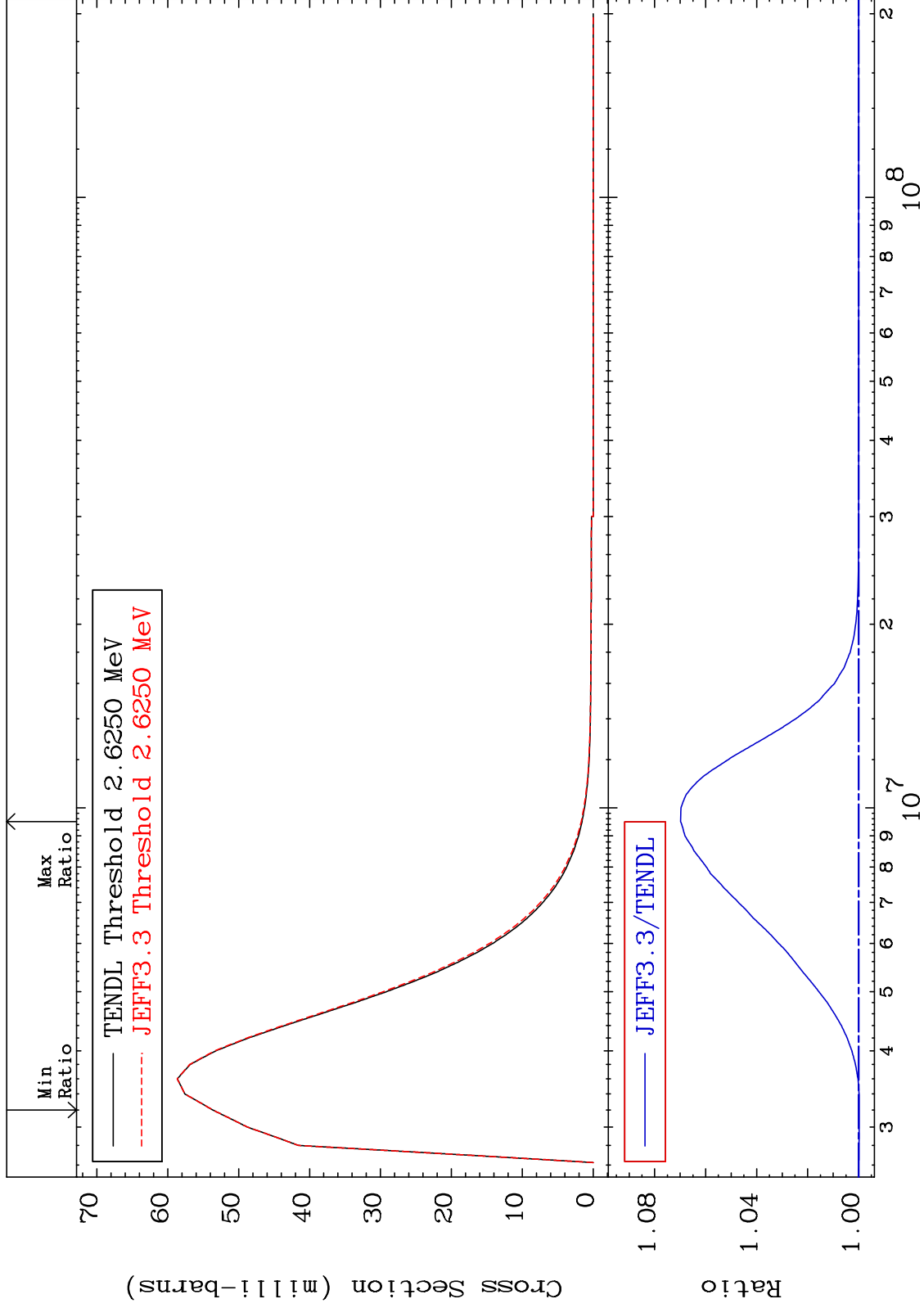
26-Fe-55
-0.158 To 5.603 %



MAT 2628

MT= 65 (n,n') Level
Cross Section

26-Fe-55
-0.020 To 6.983 %



30

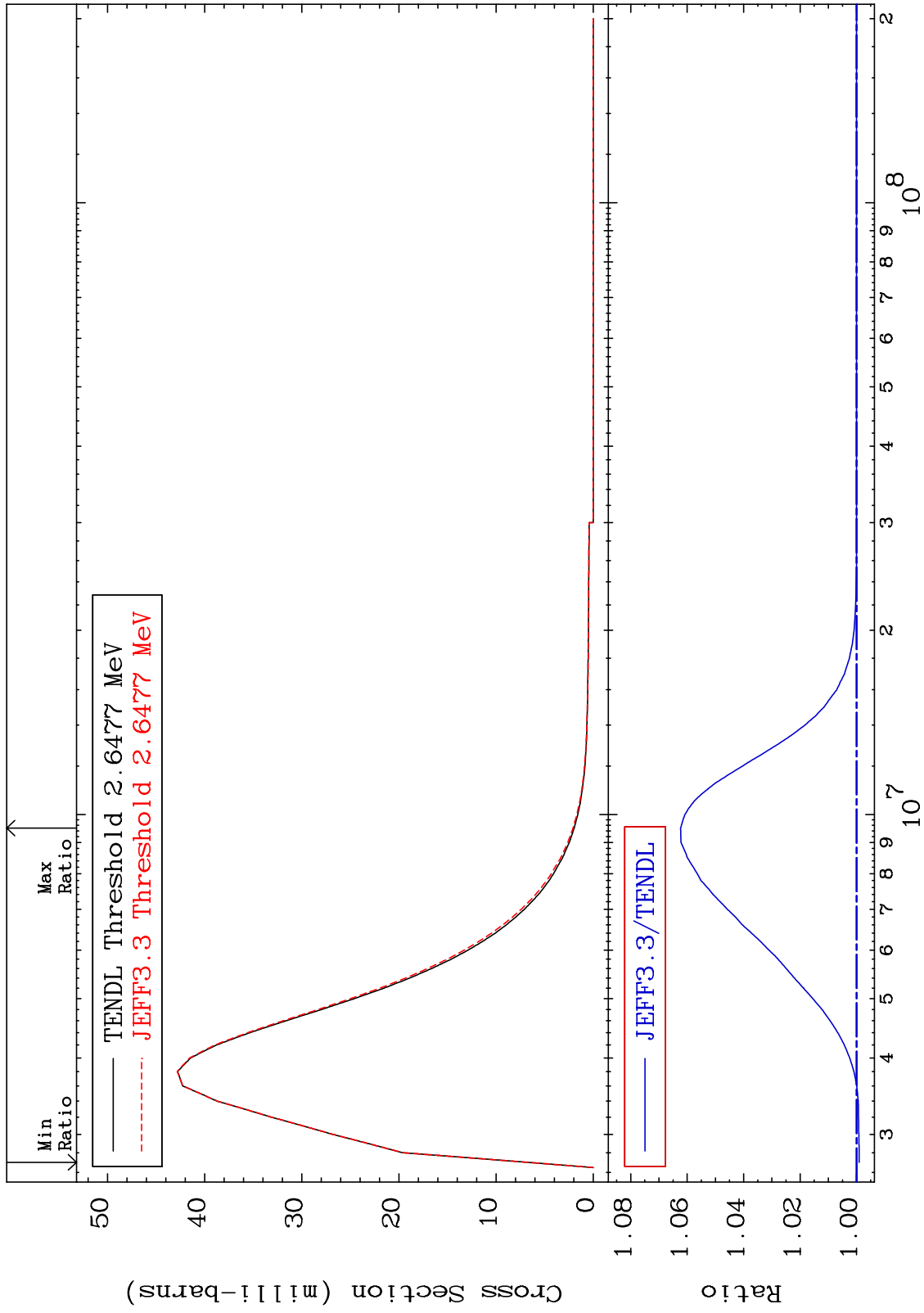
Incident Energy (eV)

26-Fe-55

MAT 2628

MT= 66 (n,n') Level
Cross Section

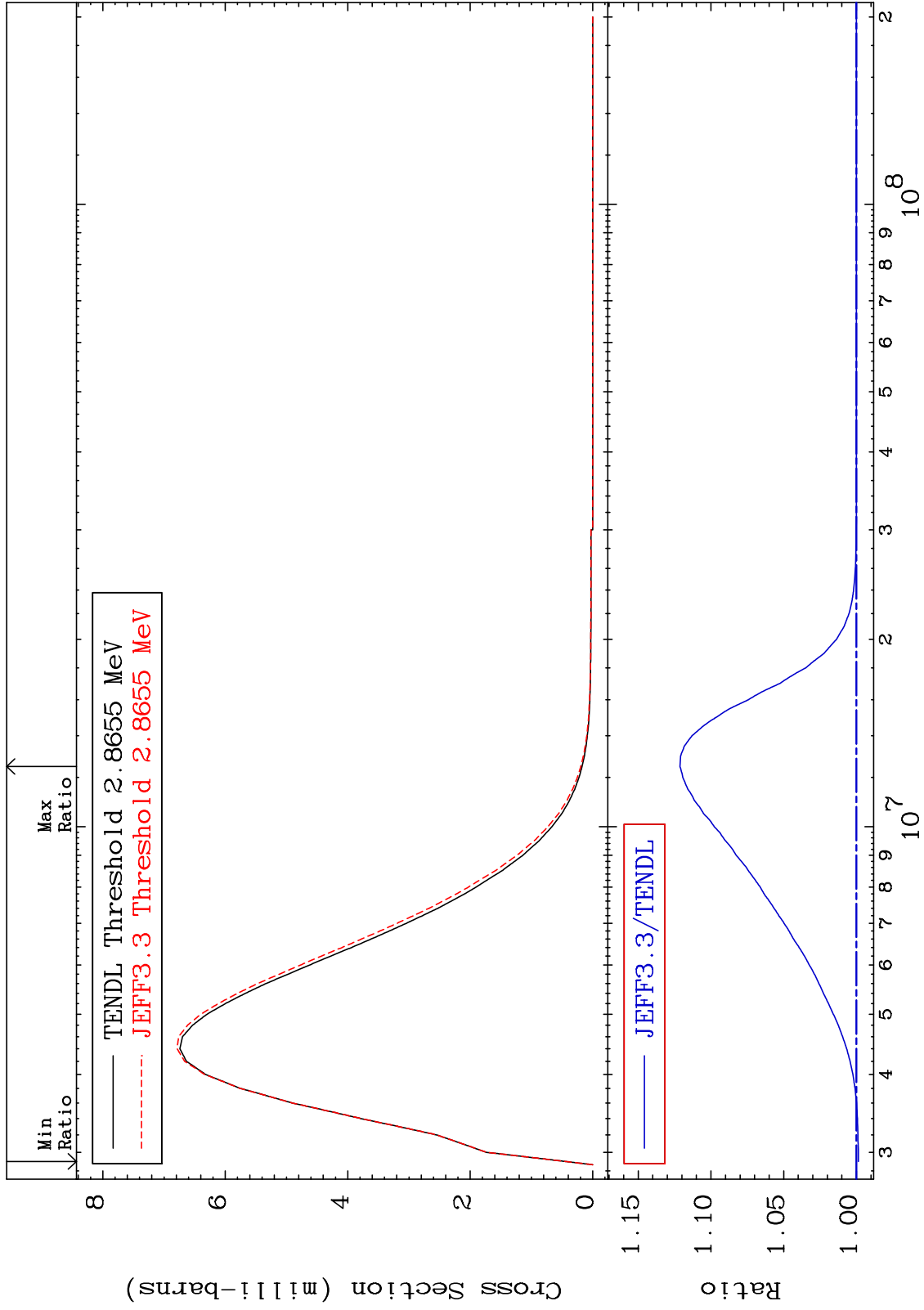
26-Fe-55
-0.091 To 6.233 %



MAT 2628

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

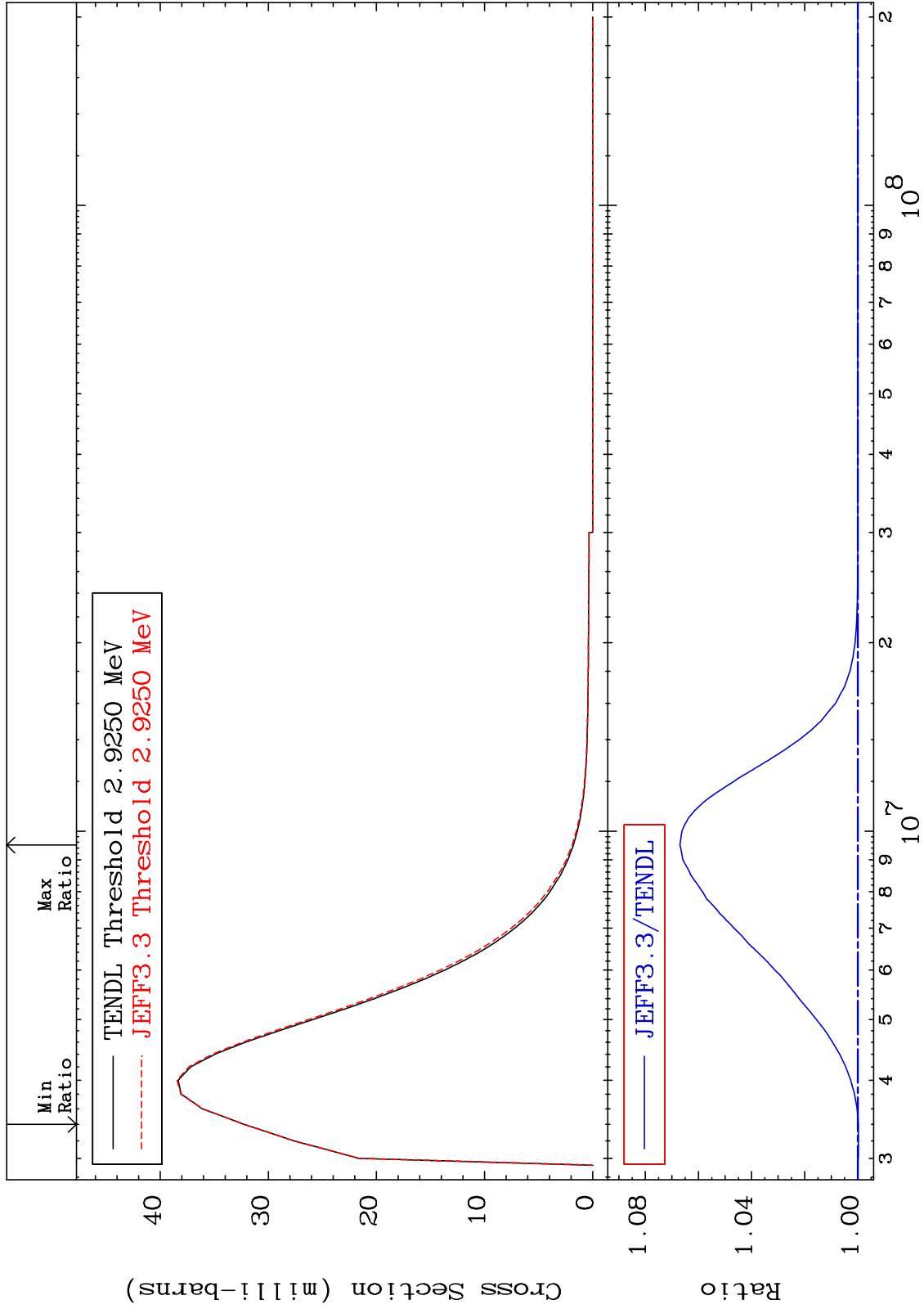
26-Fe-55
-0.138 To 12.13 %



MAT 2628

MT= 68 (n,n') Level
Cross Section

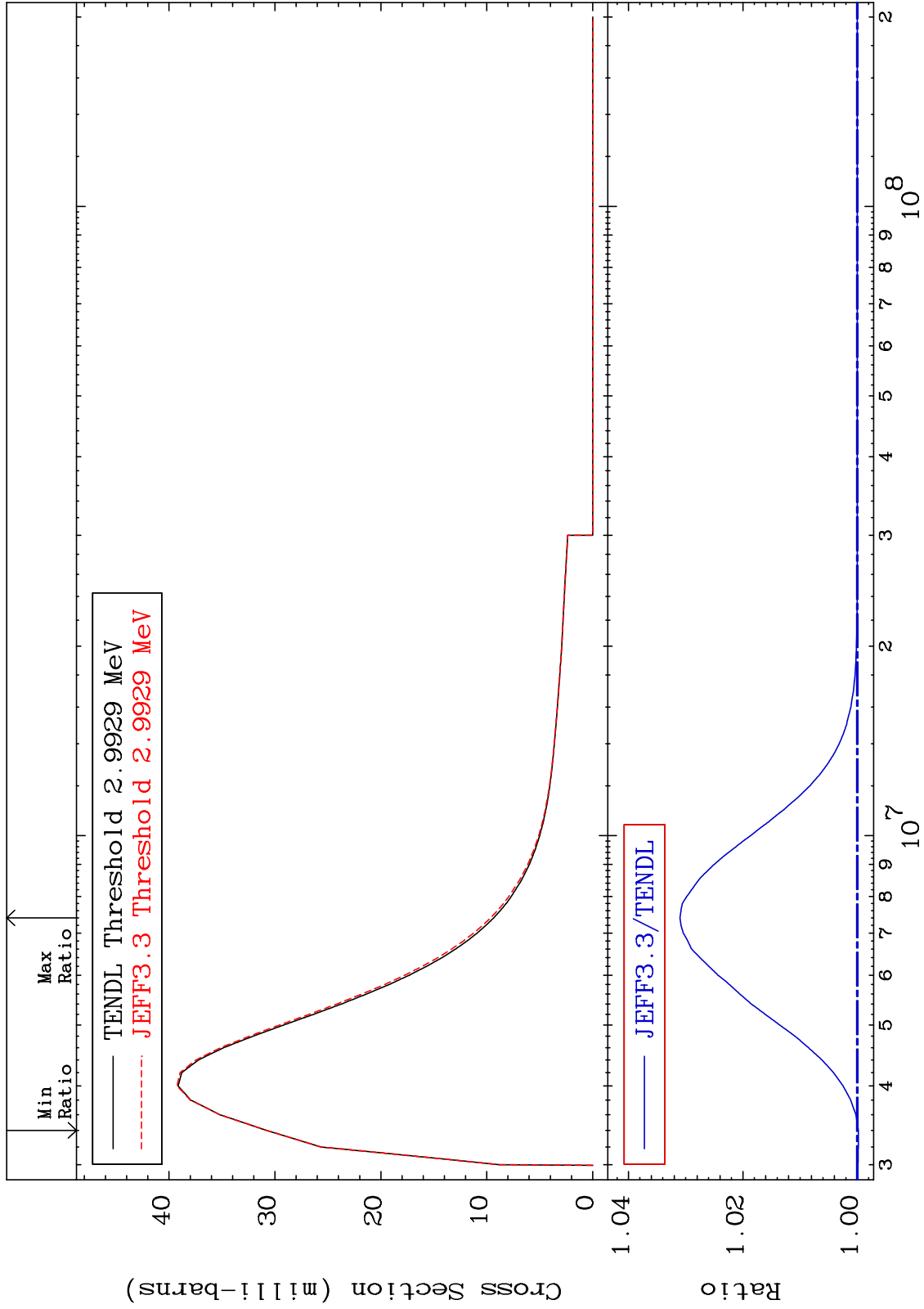
26-Fe-55
-0.022 To 6.695 %



MAT 2628

MT= 69 (n,n') Level
Cross Section

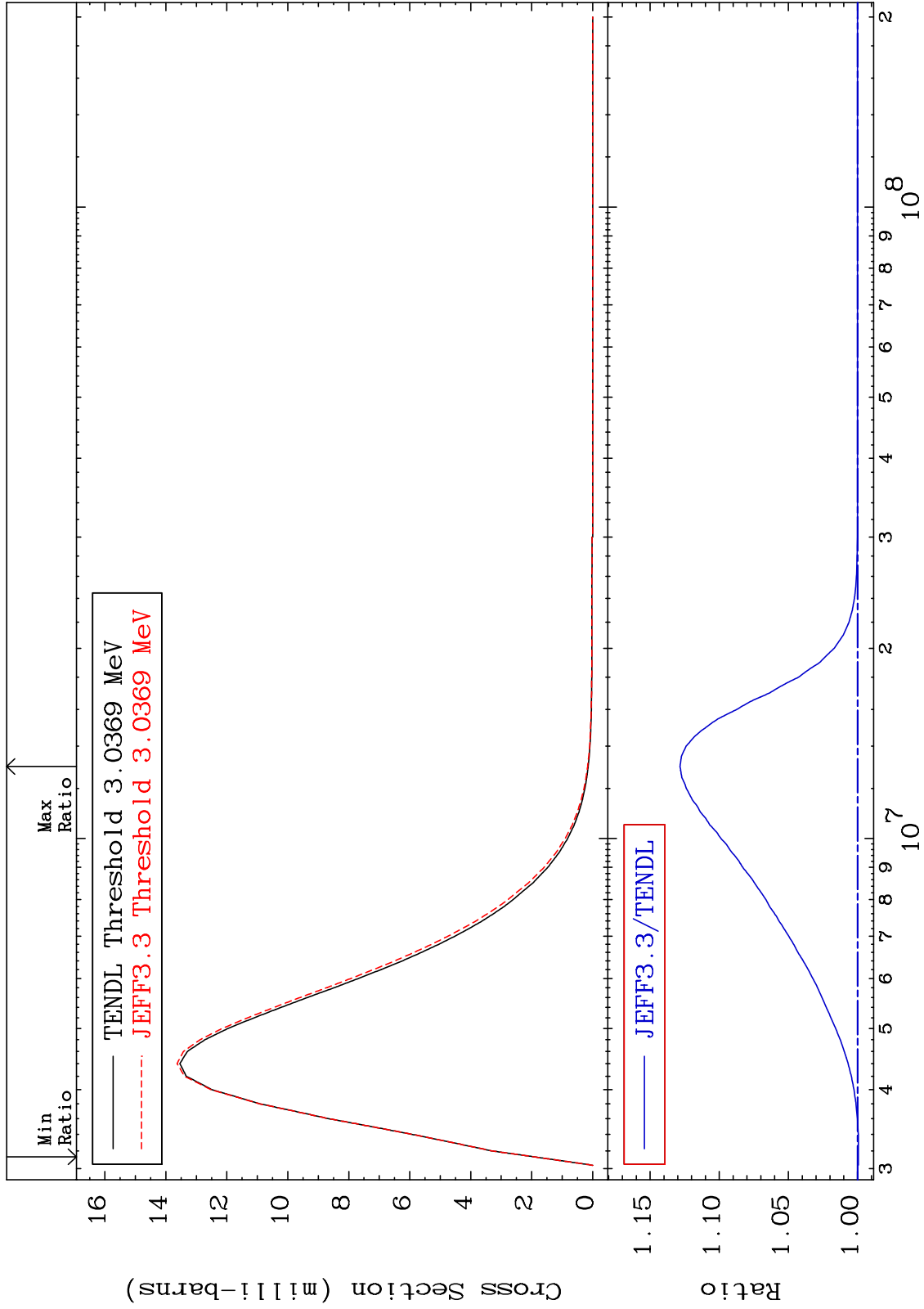
26-Fe-55
-0.020 To 3.099 %



MAT 2628

MT= 70 (n,n') Level
Cross Section

26-Fe-55
-0.060 To 12.84 %



35

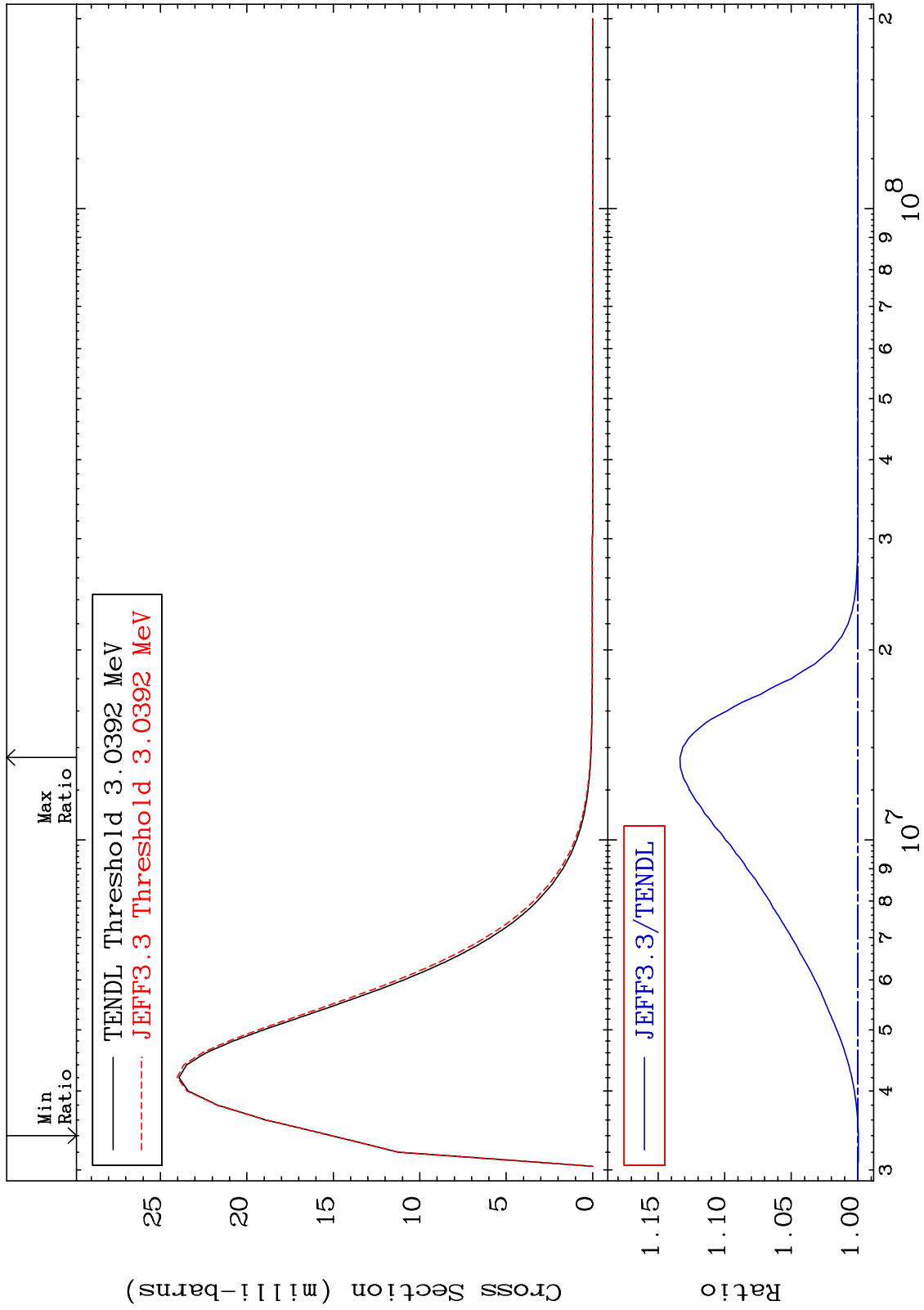
Incident Energy (eV)

26-Fe-55

MAT 2628

MT= 71 (n,n') Level
Cross Section

26-Fe-55
-0.038 To 13.35 %



36

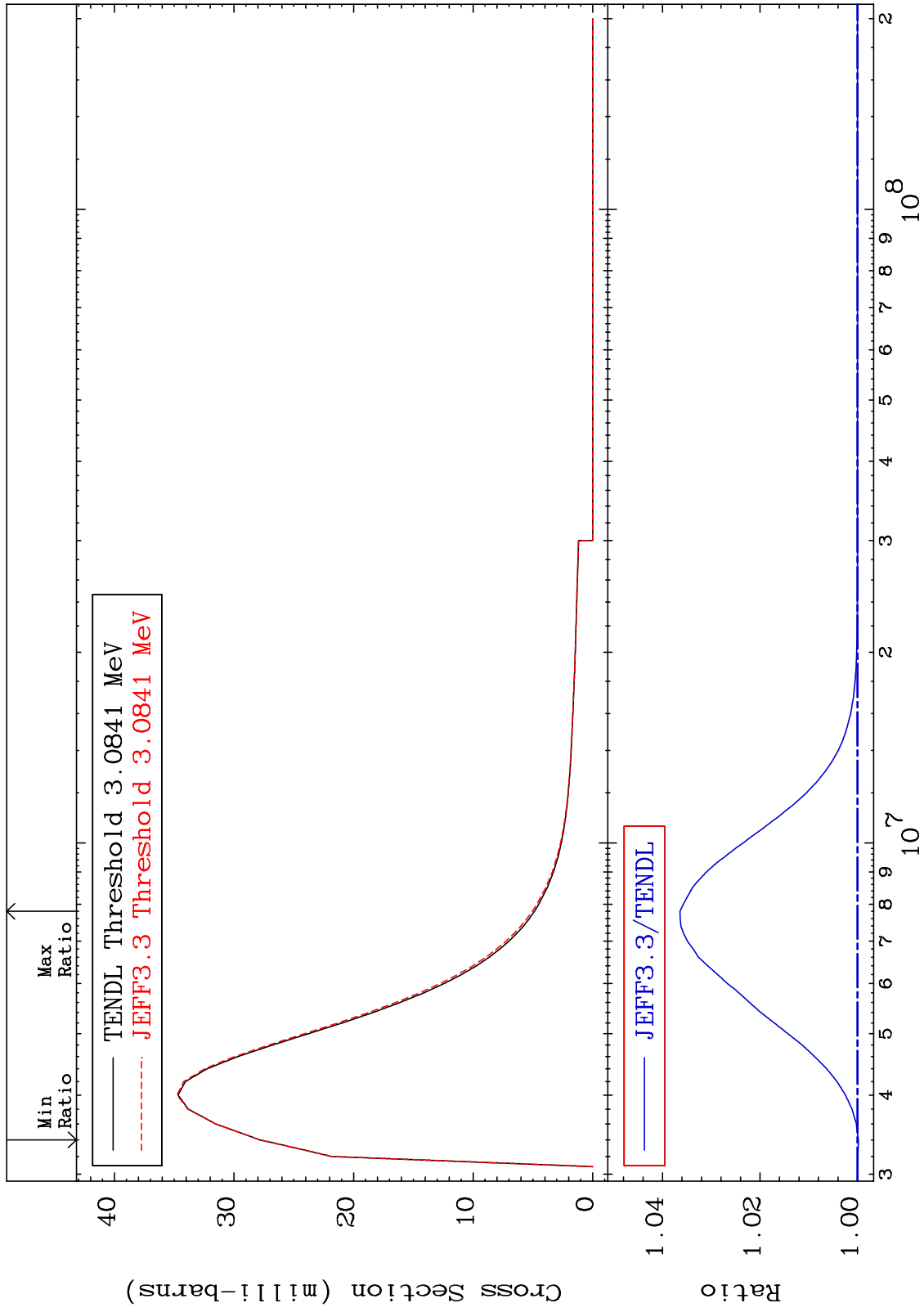
Incident Energy (eV)

26-Fe-55

MAT 2628

MT= 72 (n, n') Level
Cross Section

26-Fe-55
-0.019 To 3.641 %



37

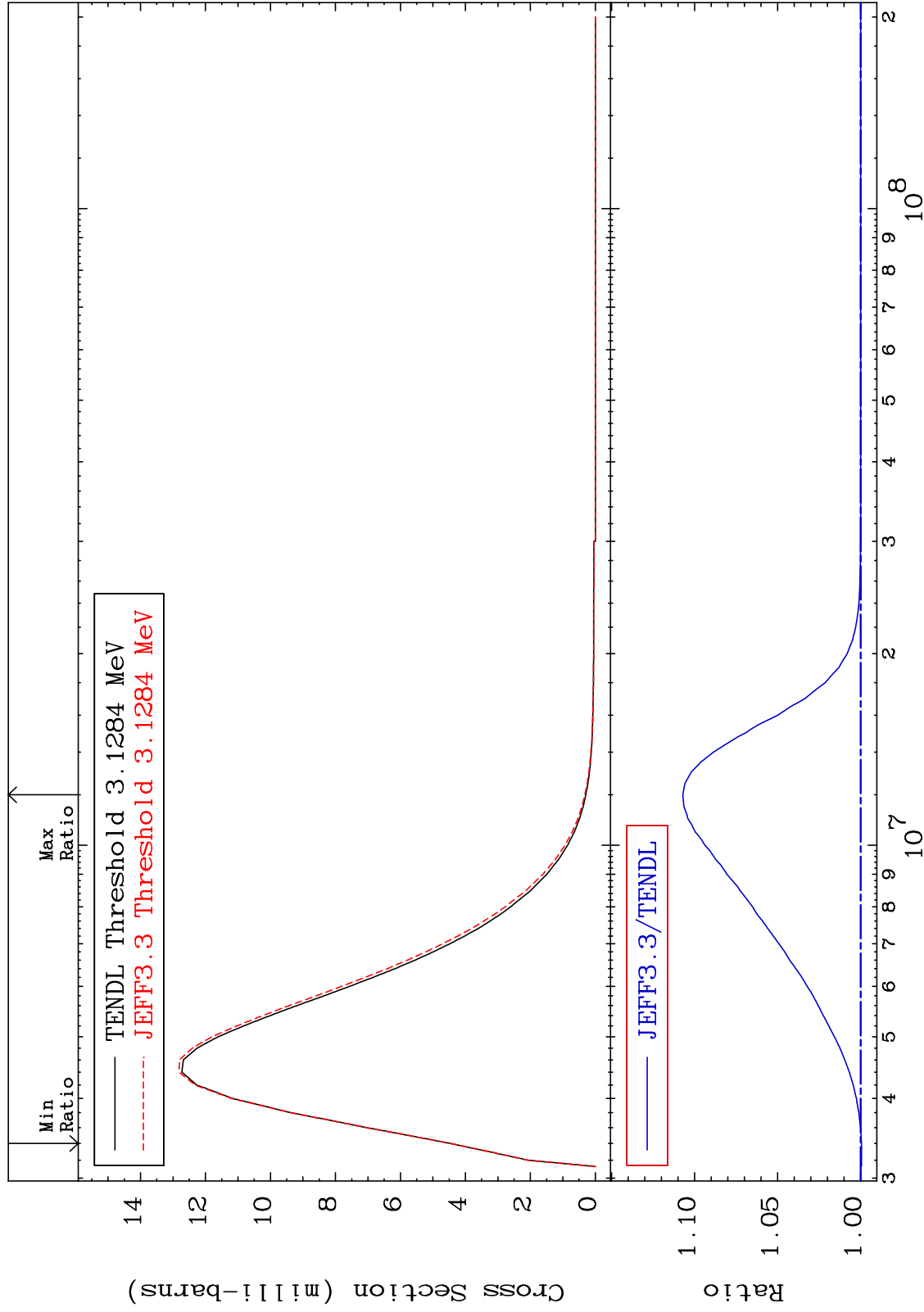
Incident Energy (eV)

26-Fe-55

MAT 2628

MT= 73 (n,n') Level
Cross Section

26-Fe-55
-0.053 To 10.71 %



38

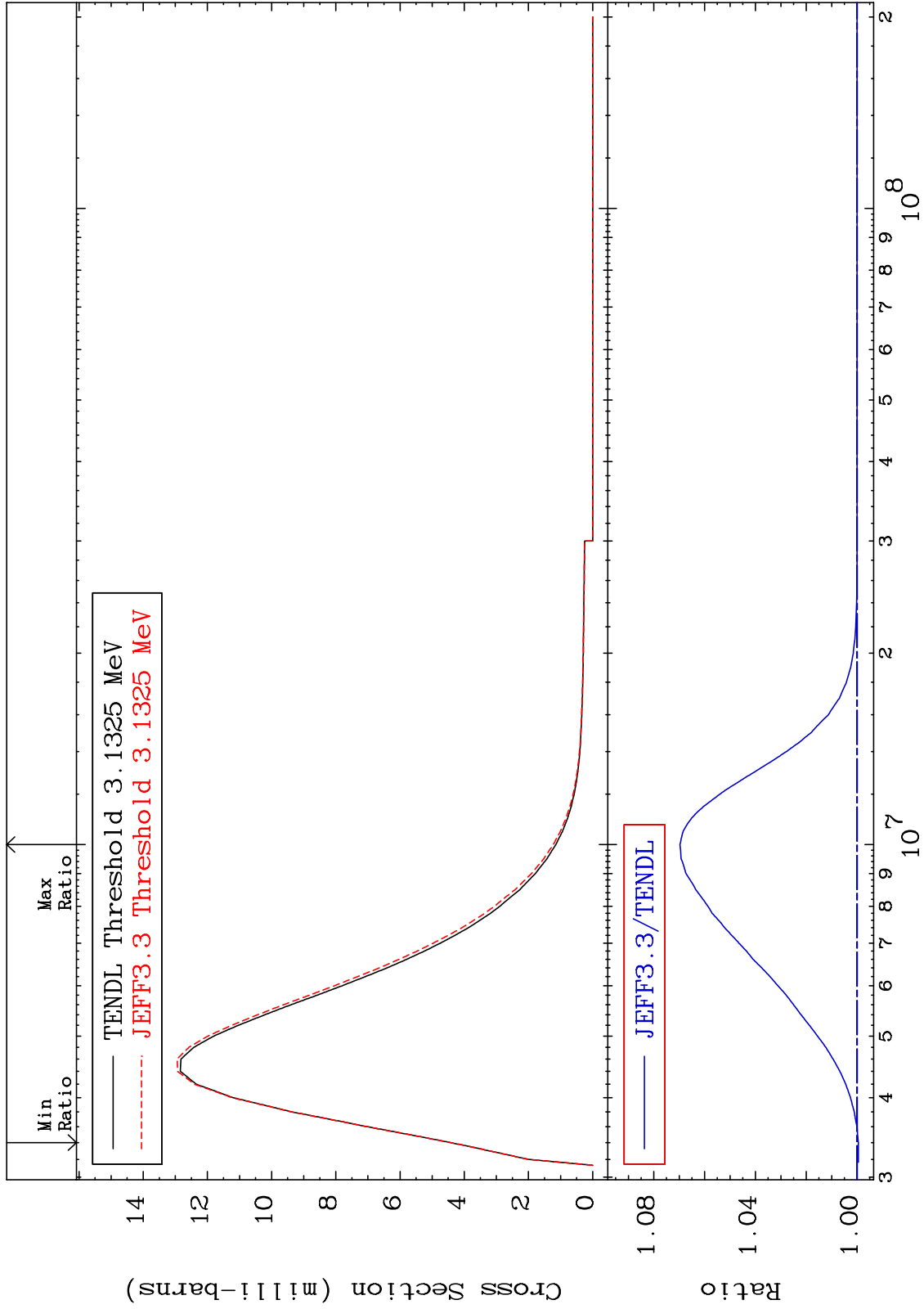
Incident Energy (eV)

26-Fe-55

MAT 2628

MT= 74 (n,n') Level
Cross Section

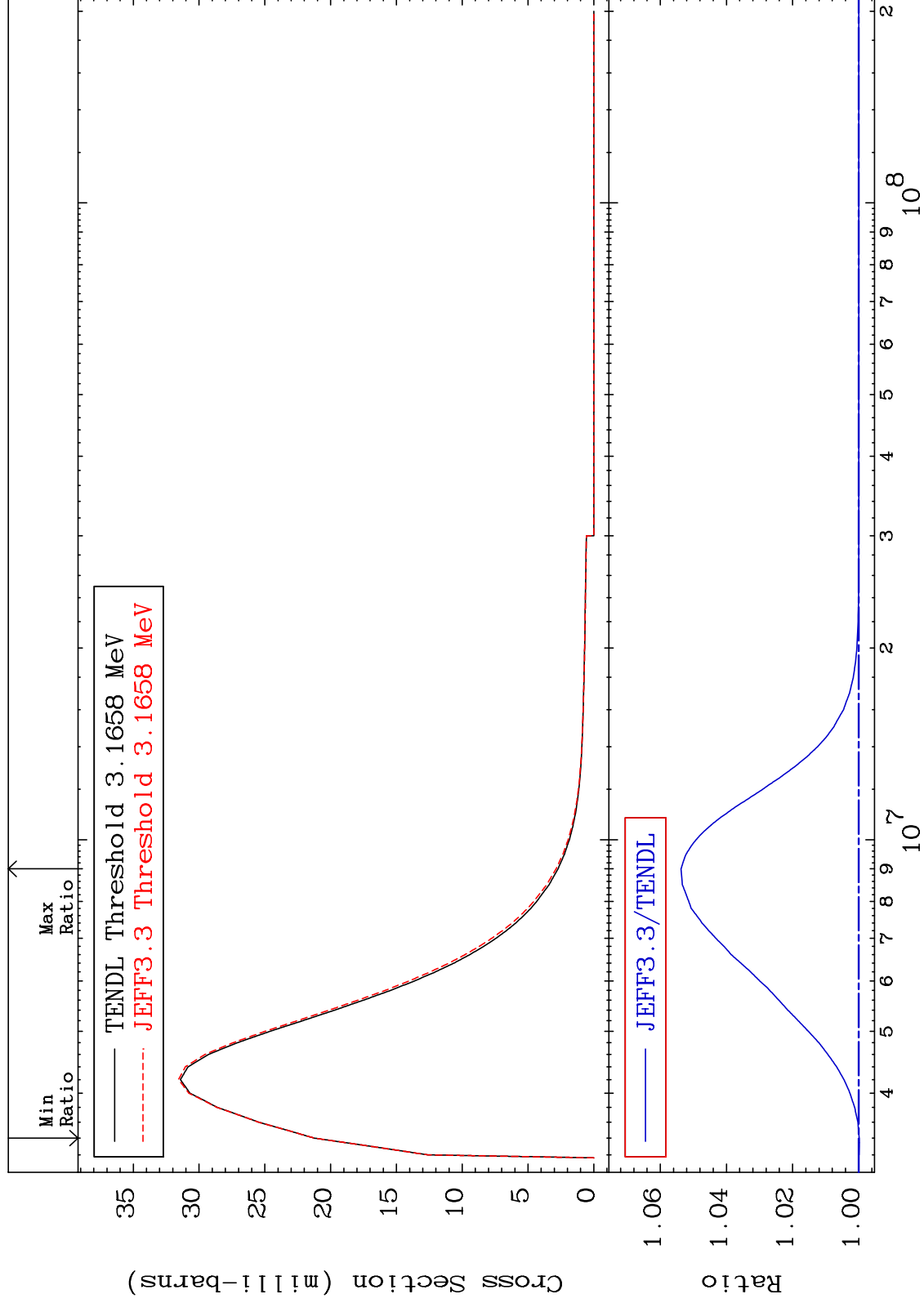
26-Fe-55
-0.053 To 6.968 %



MAT 2628

MT= 75 (n,n') Level
Cross Section

26-Fe-55
-0.016 To 5.372 %



40

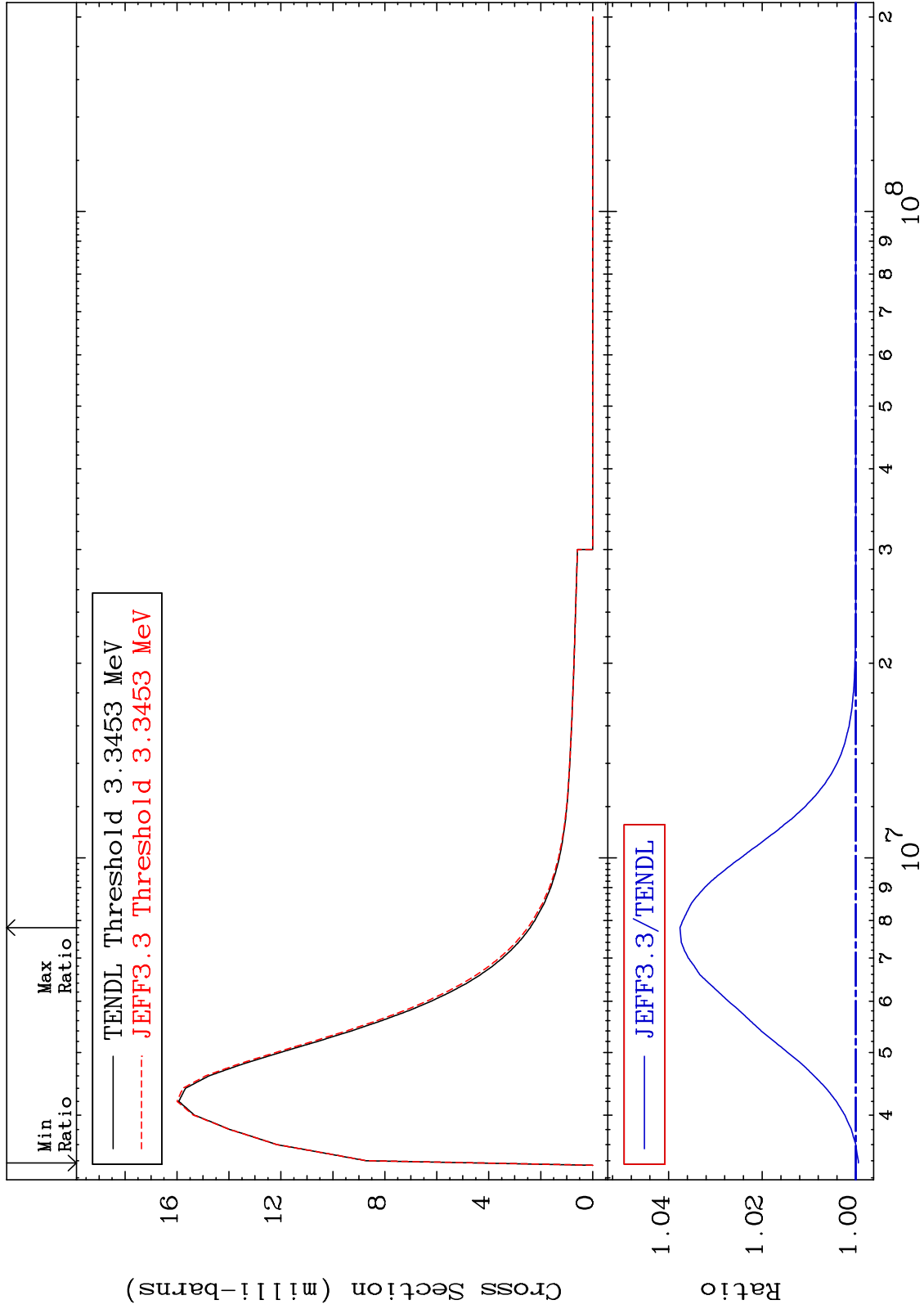
Incident Energy (eV)

26-Fe-55

MAT 2628

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

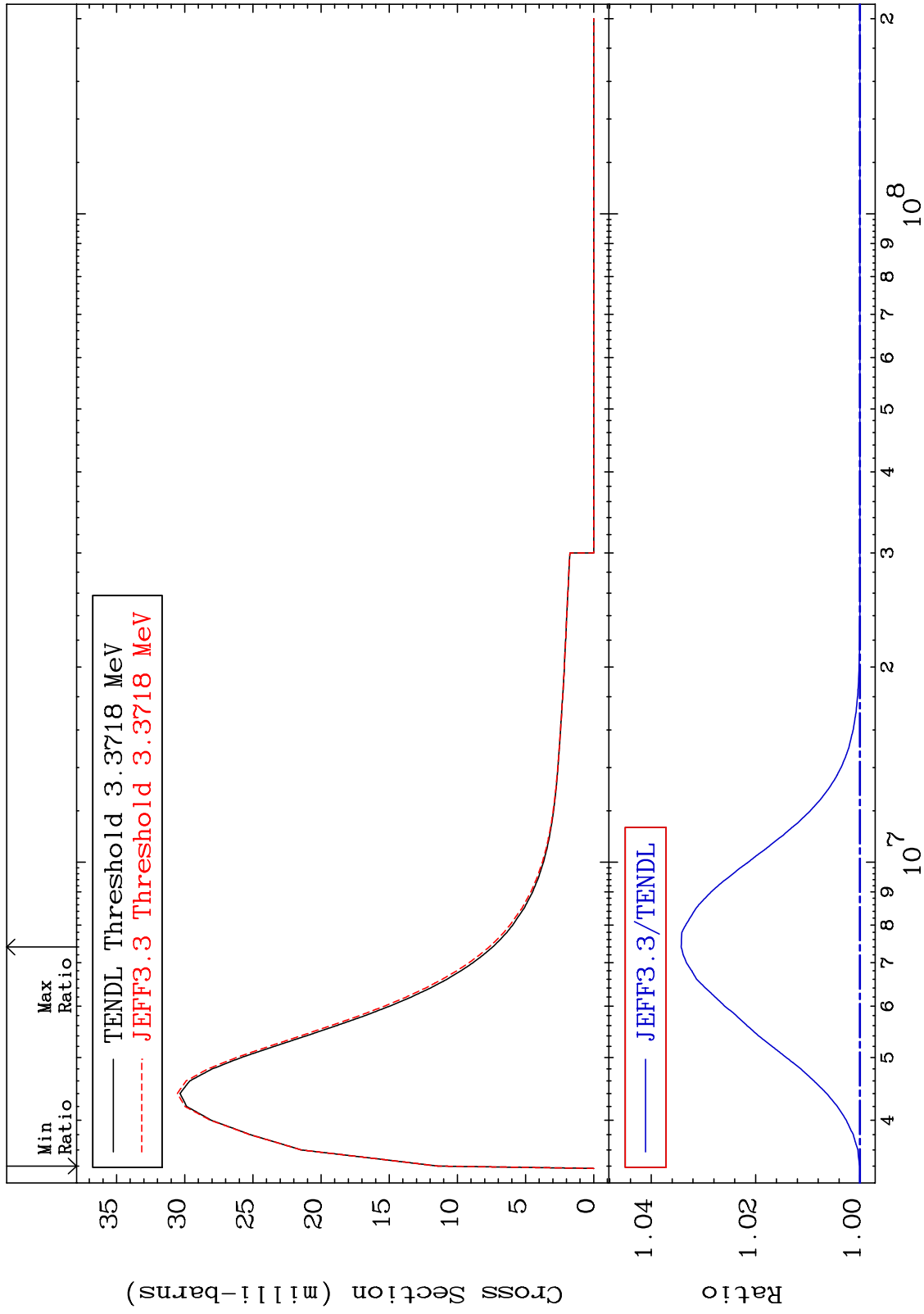
26-Fe-55
-0.057 To 3.757 %



MAT 2628

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

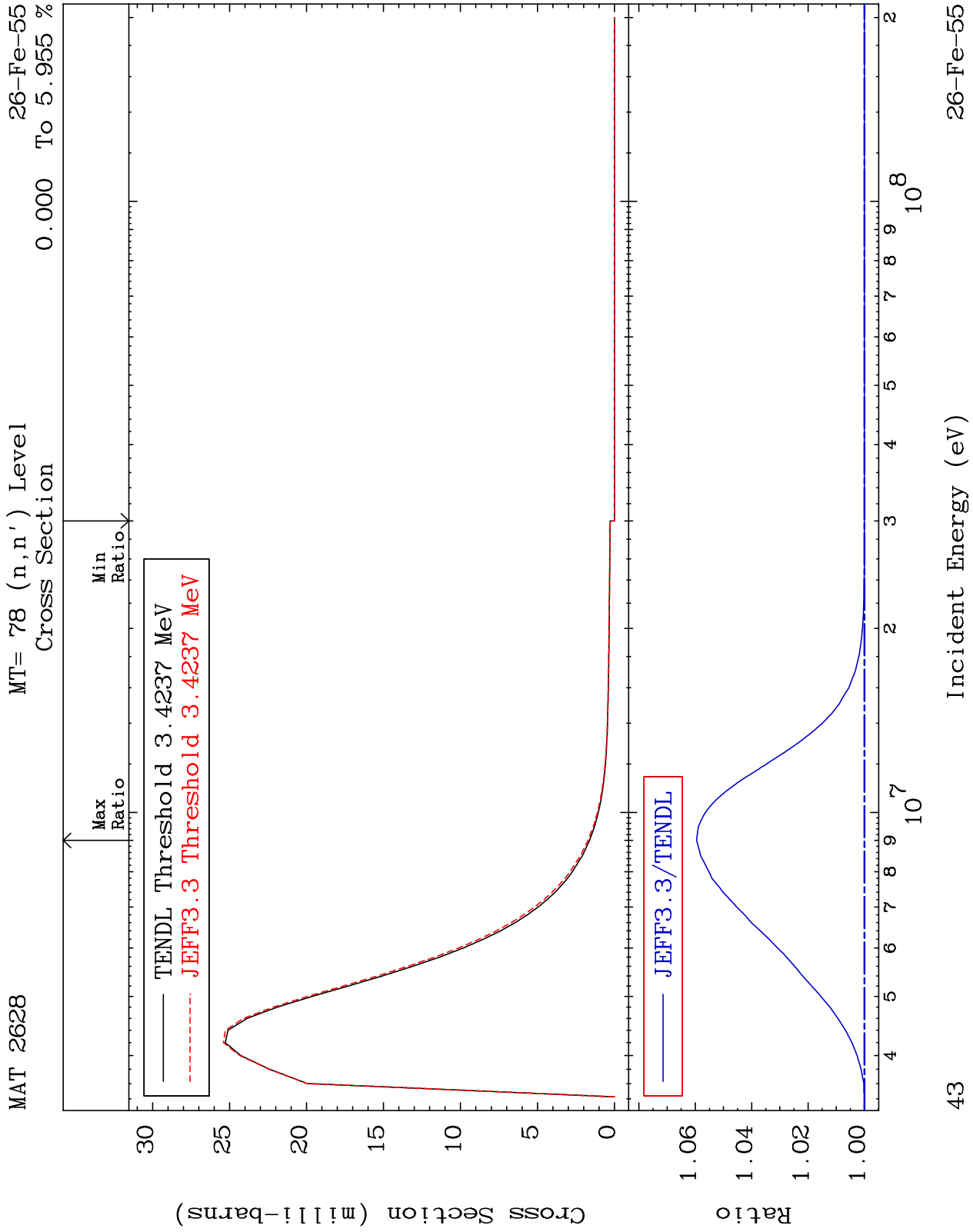
0.000 To 3.427 %
26-Fe-55



42

Incident Energy (eV)

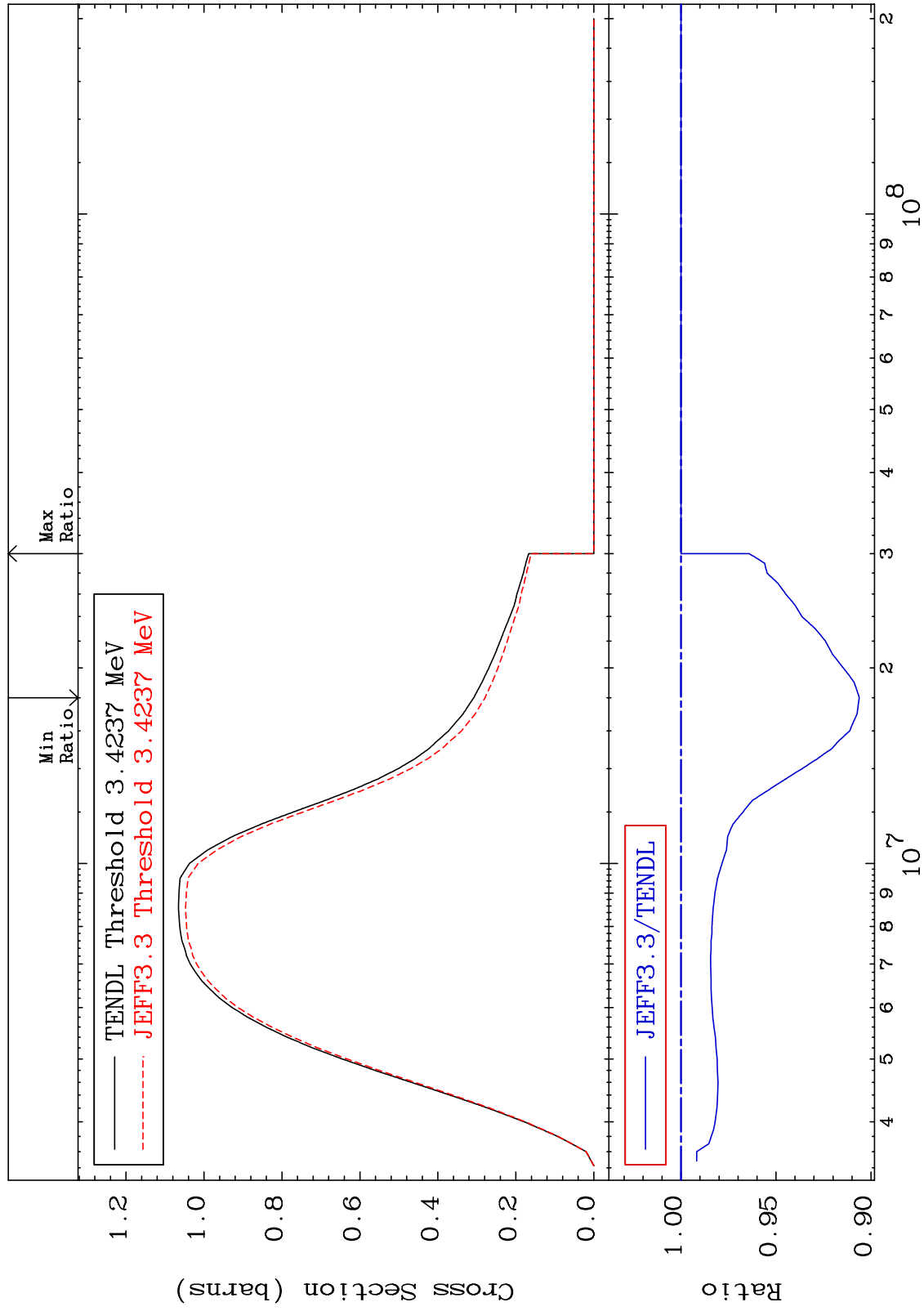
26-Fe-55



MAT 2628

(n, n') Continuum
Cross Section

26-Fe-55
-9.383 To 0.000 %



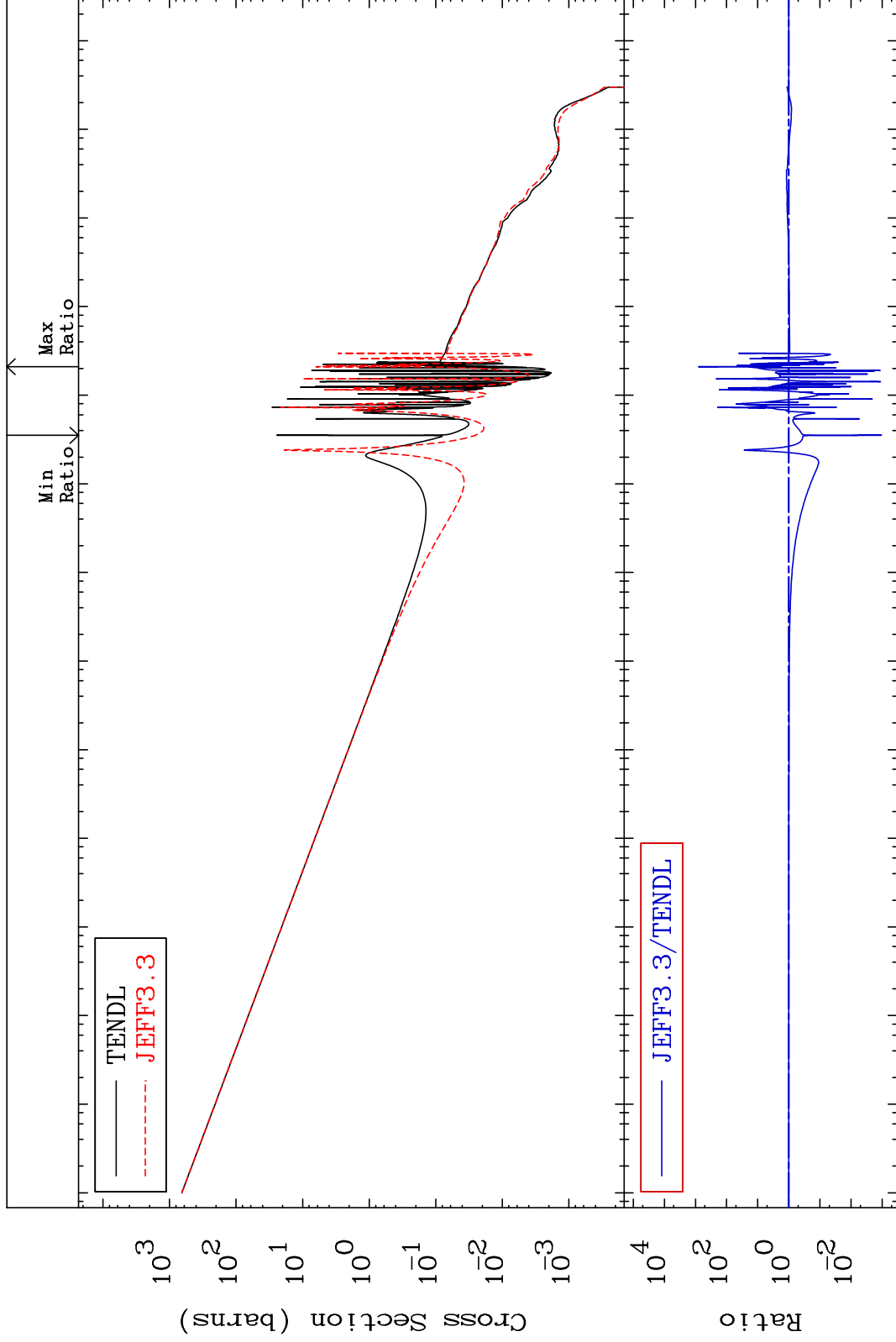
MAT 2628

(n, γ)

²⁶Fe-55

Cross Section

-99.90 To 9999. %



45

Incident Energy (eV)

²⁶Fe-55

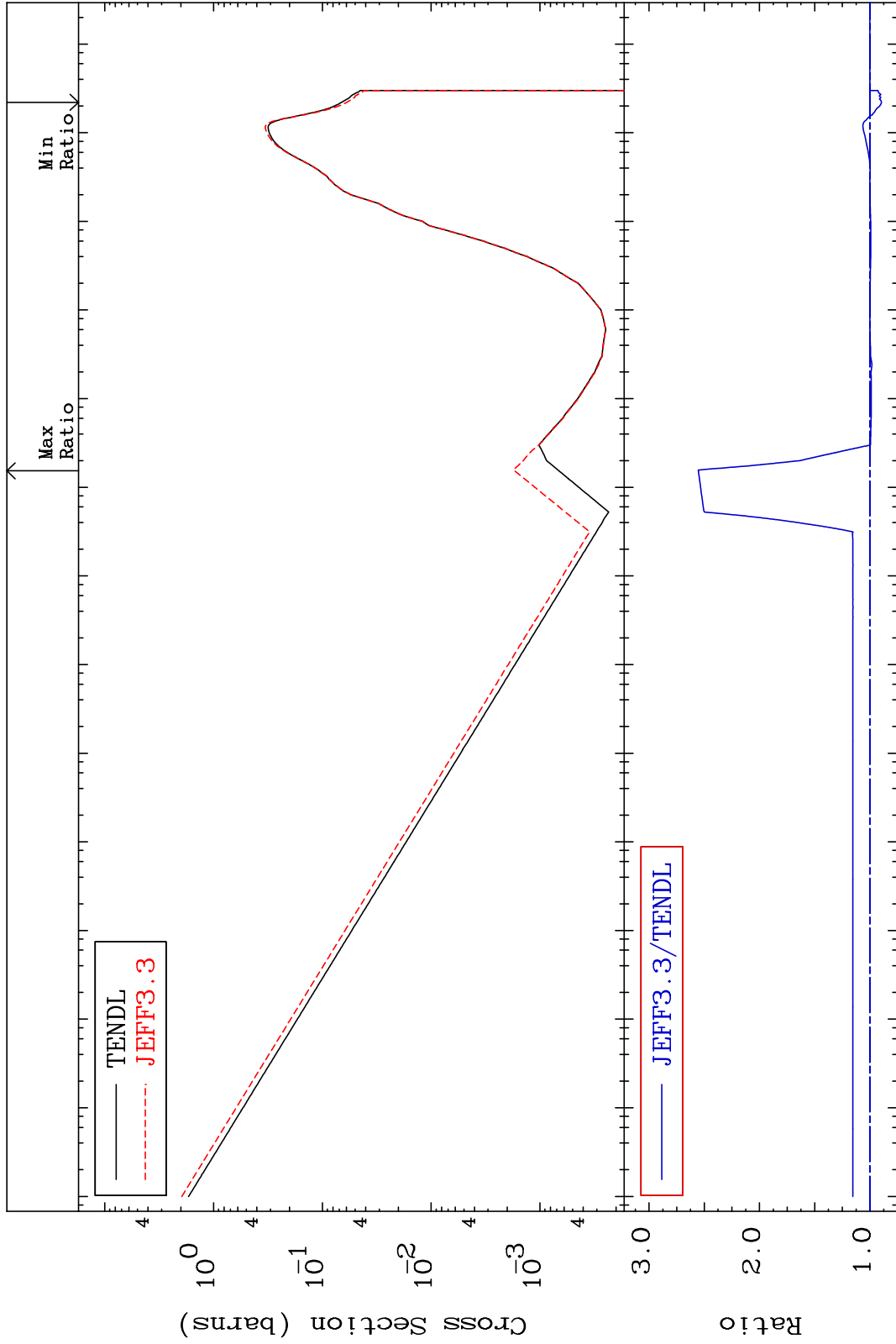
MAT 2628

(n,p)

²⁶Fe-55

Cross Section

-10.54 To 155.4 %



46

Incident Energy (eV)

²⁶Fe-55

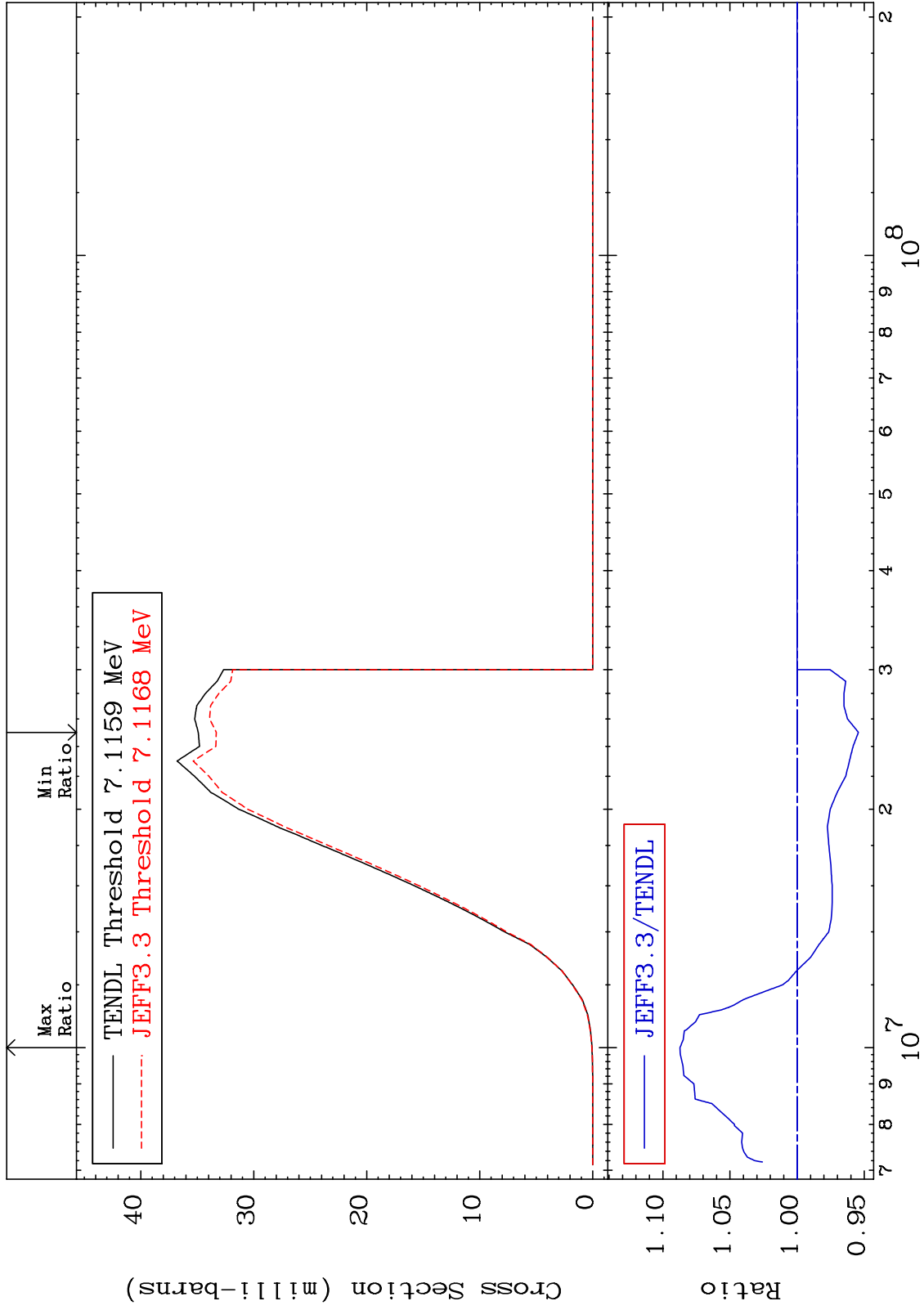
MAT 2628

(n, d)

²⁶Fe-55

Cross Section

-4.564 To 8.722 %



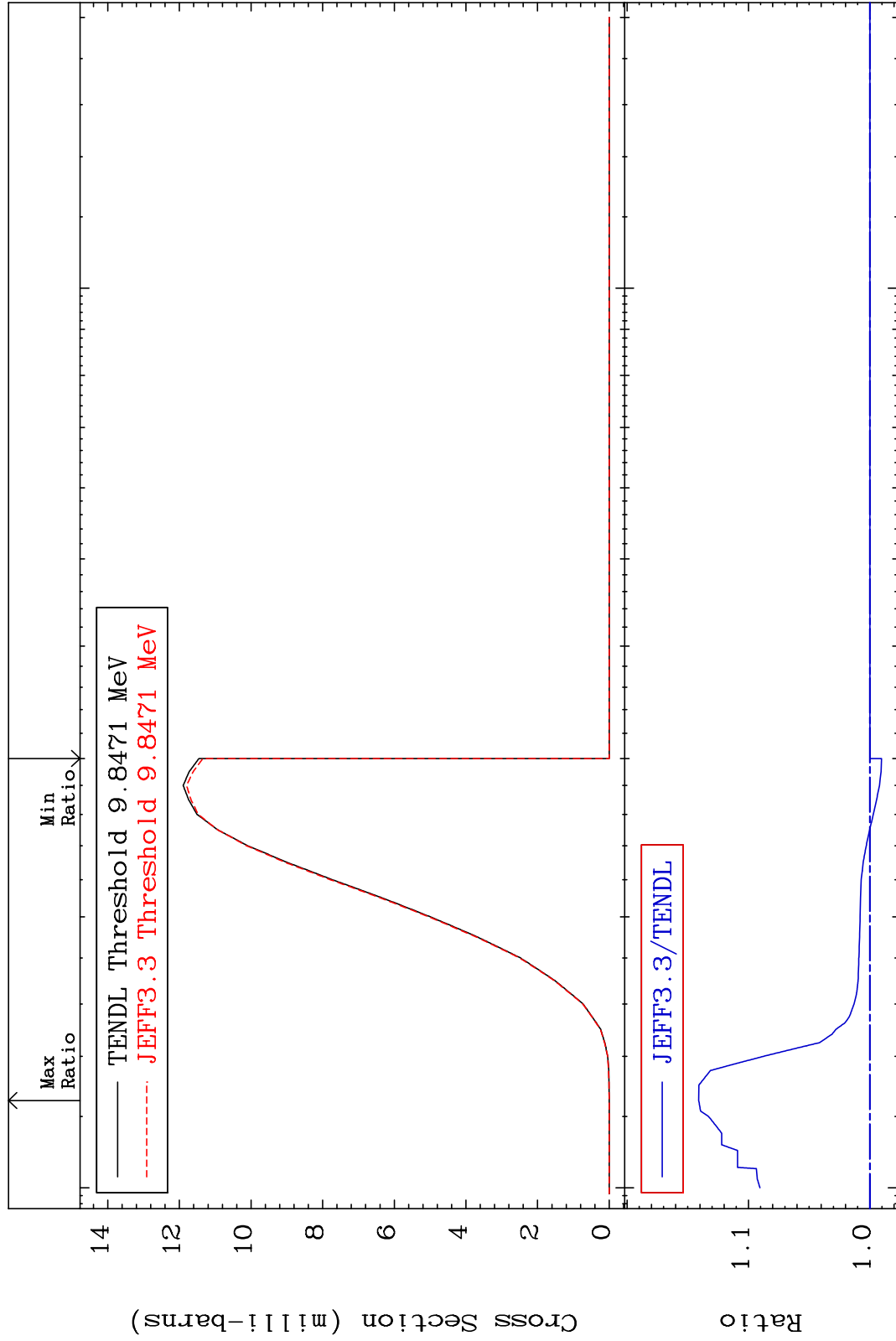
MAT 2628

(n, t)

²⁶Fe-55

Cross Section

-0.971 To 14.10 %



Incident Energy (eV)

²⁶Fe-55

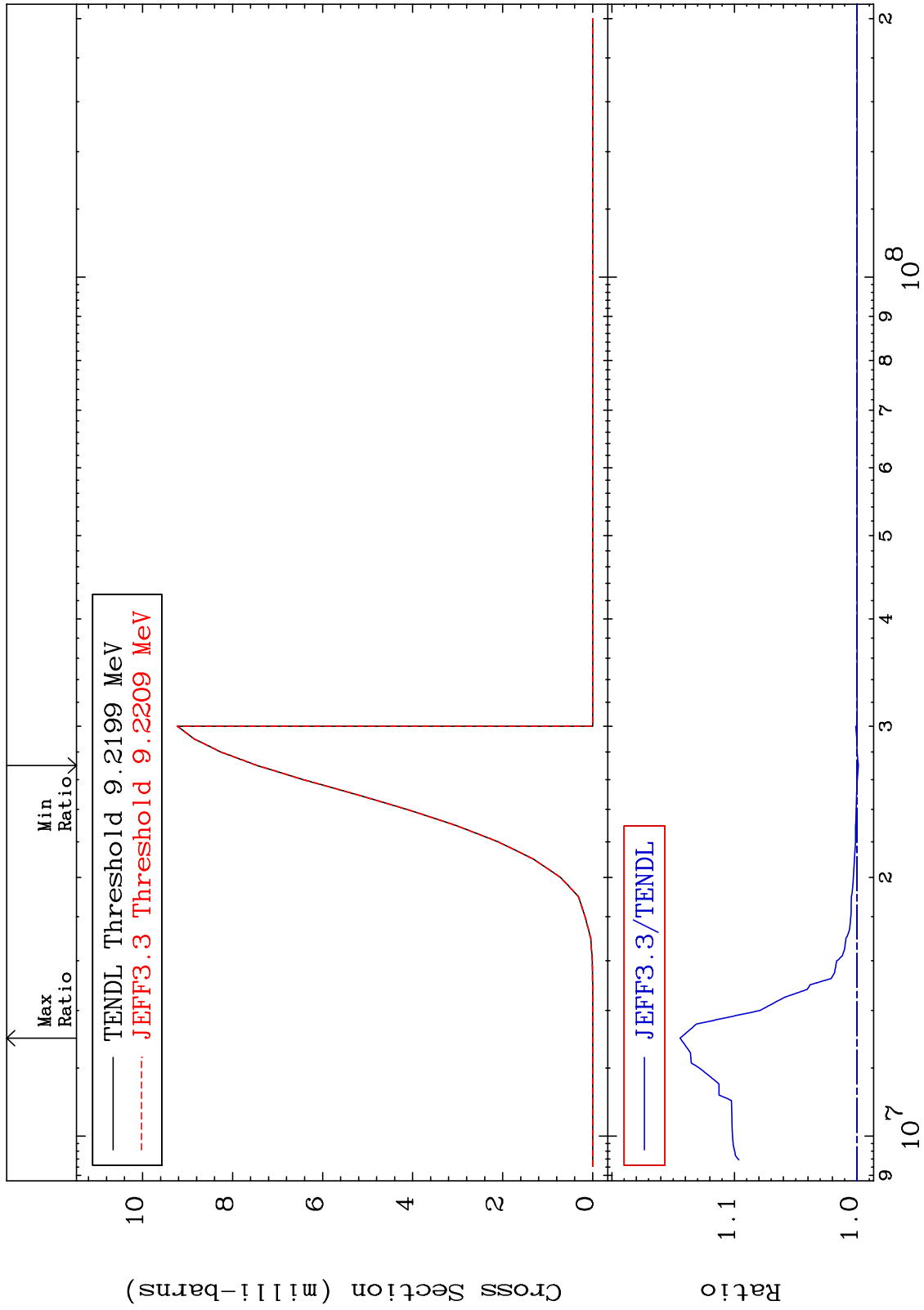
MAT 2628

(n, He-3)

²⁶Fe-55

Cross Section

-0.119 To 14.43 %



49

Incident Energy (eV)

²⁶Fe-55

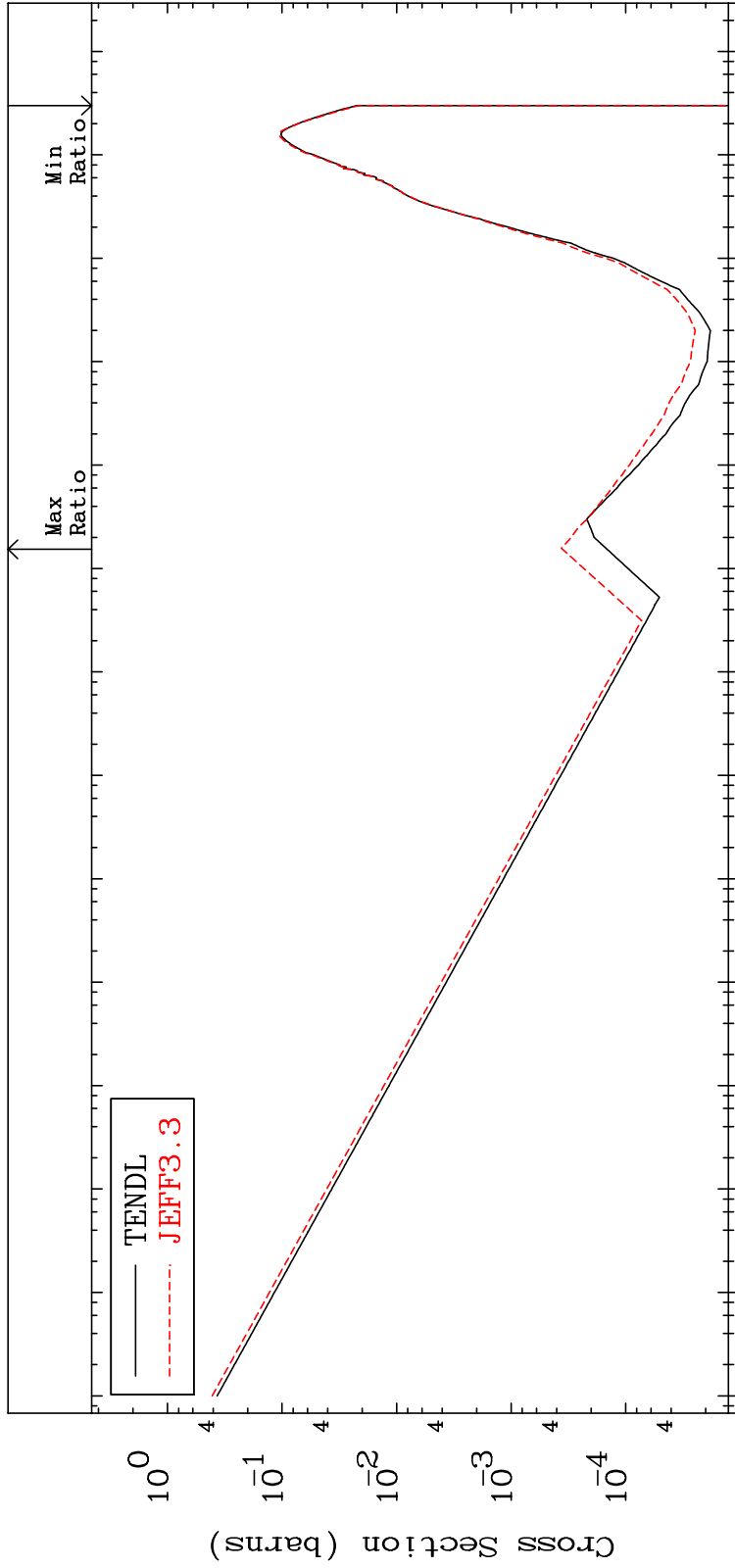
MAT 2628

(n, α)

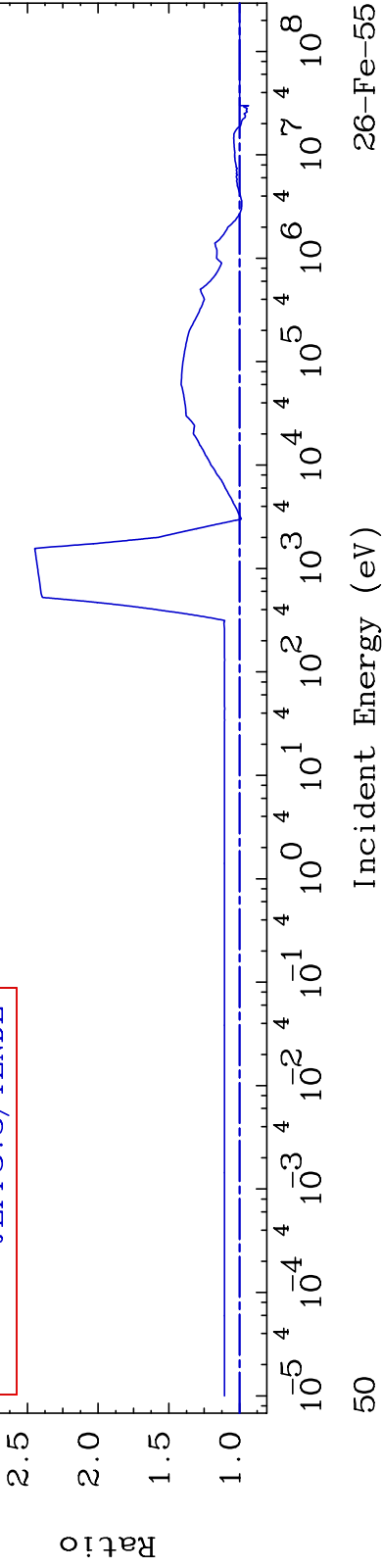
²⁶Fe-55

Cross Section

-6.411 To 144.7 %



JEFF3.3/TENDL



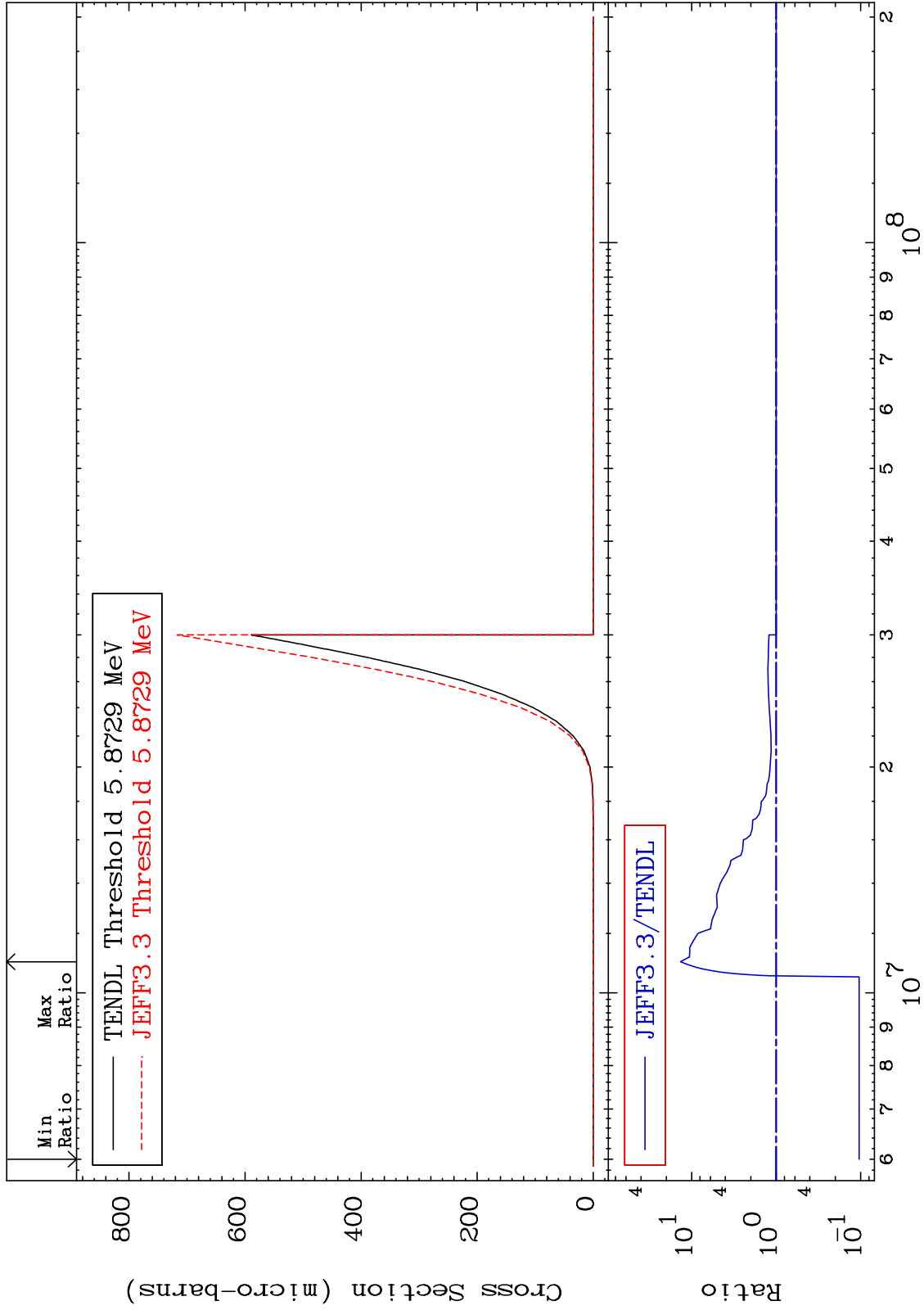
MAT 2628

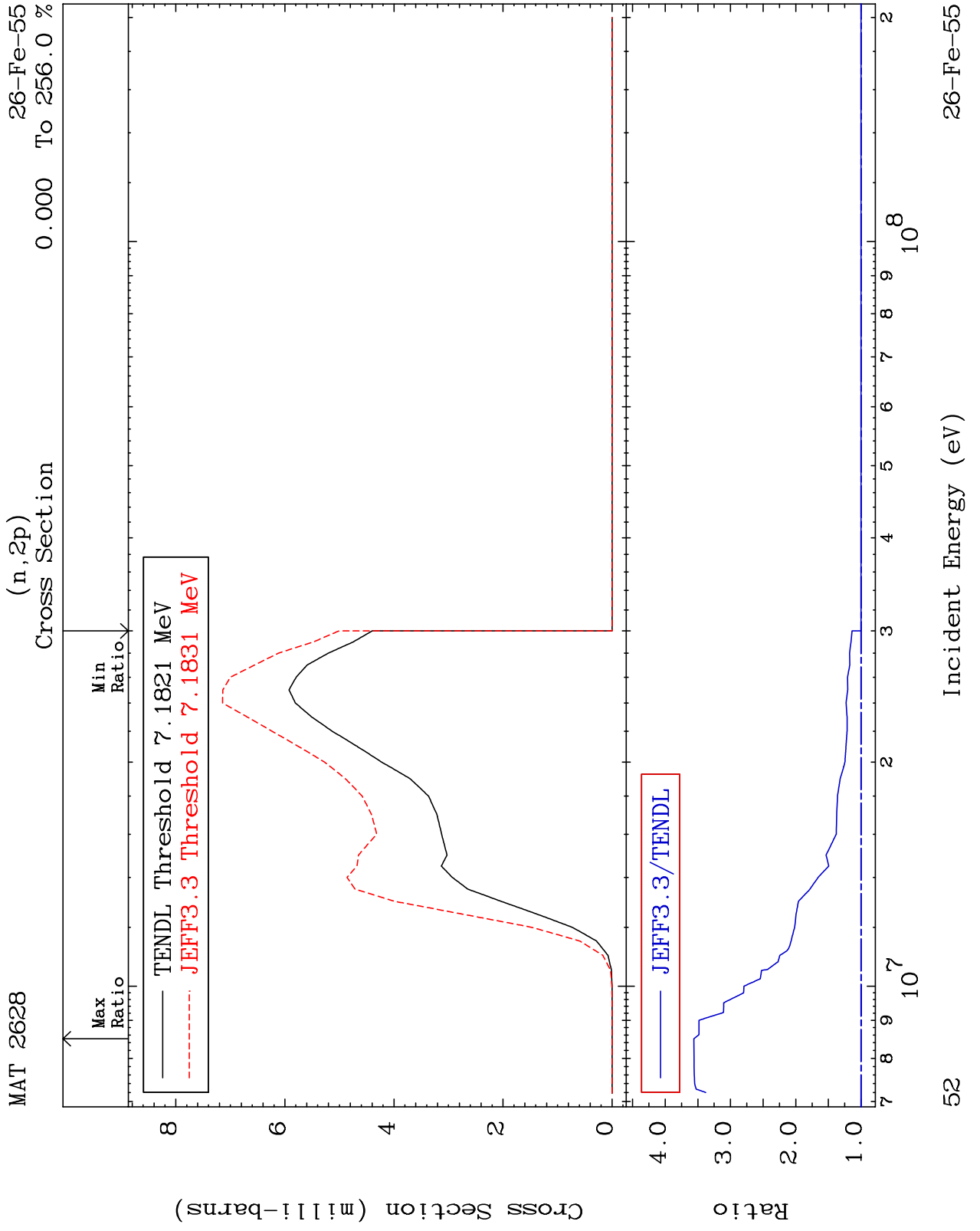
(n, 2α)

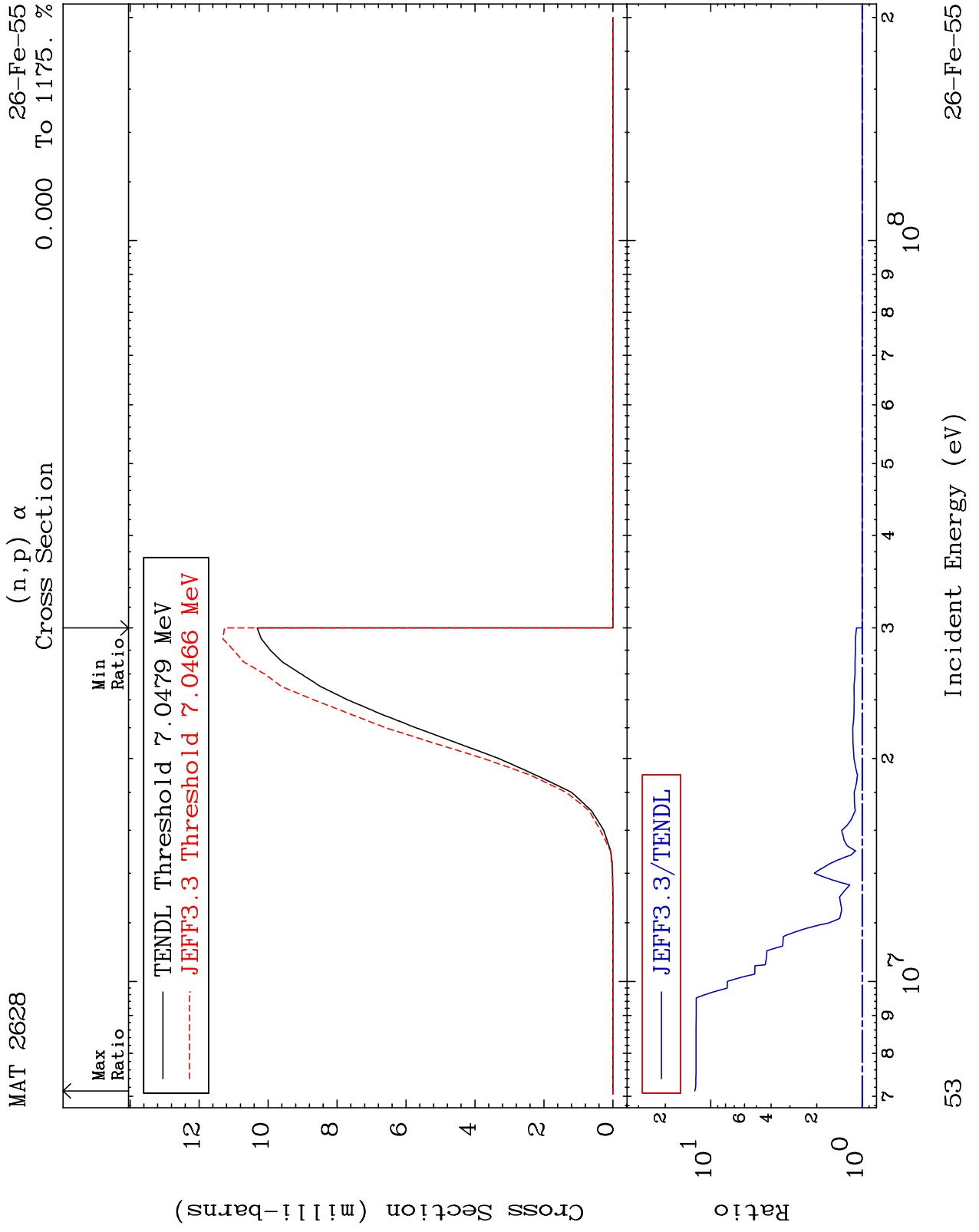
²⁶Fe-55

-89.58 To 1255. %

Cross Section







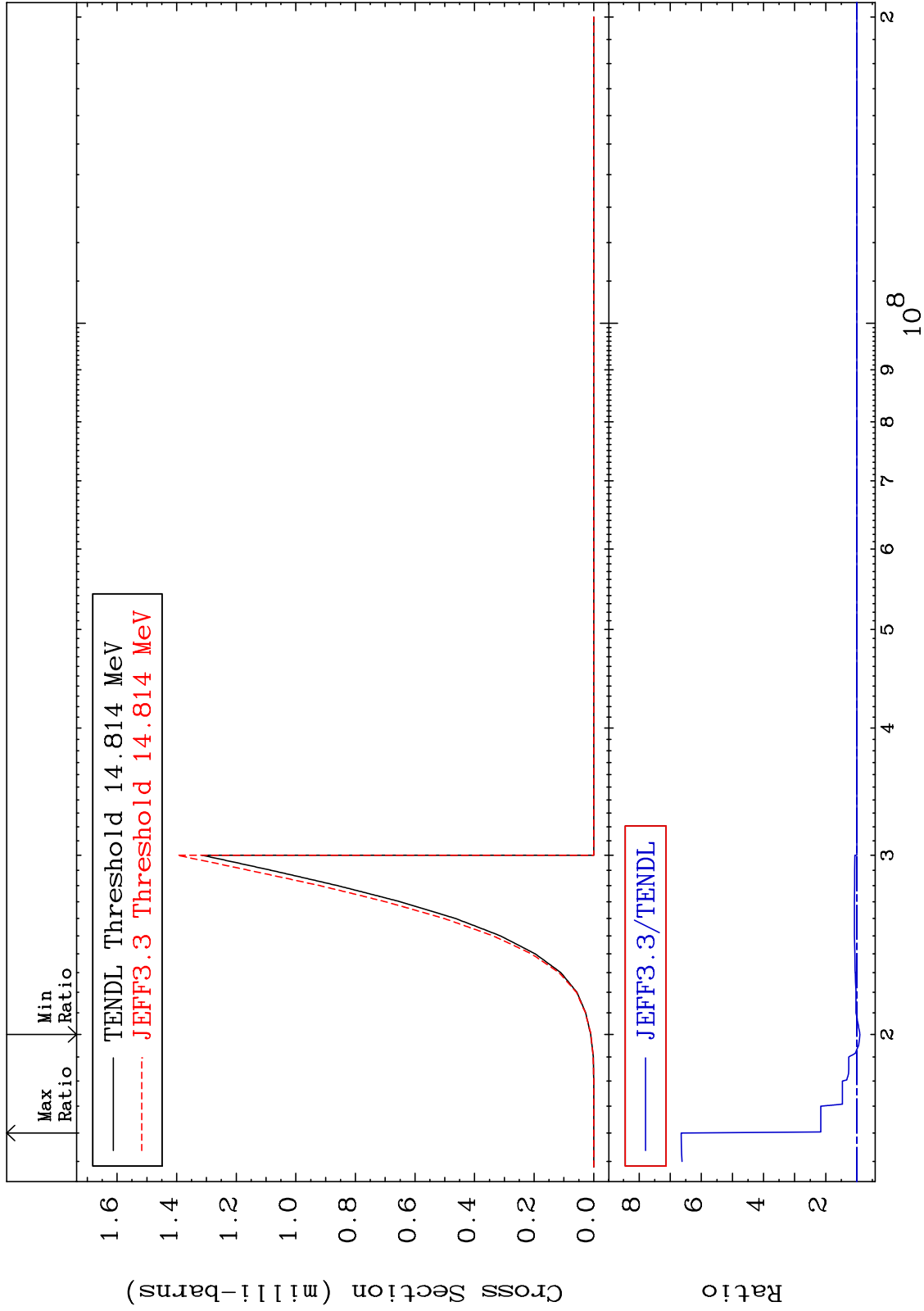
MAT 2628

(n,p) d

²⁶Fe-55

Cross Section

-9.808 To 564.6 %



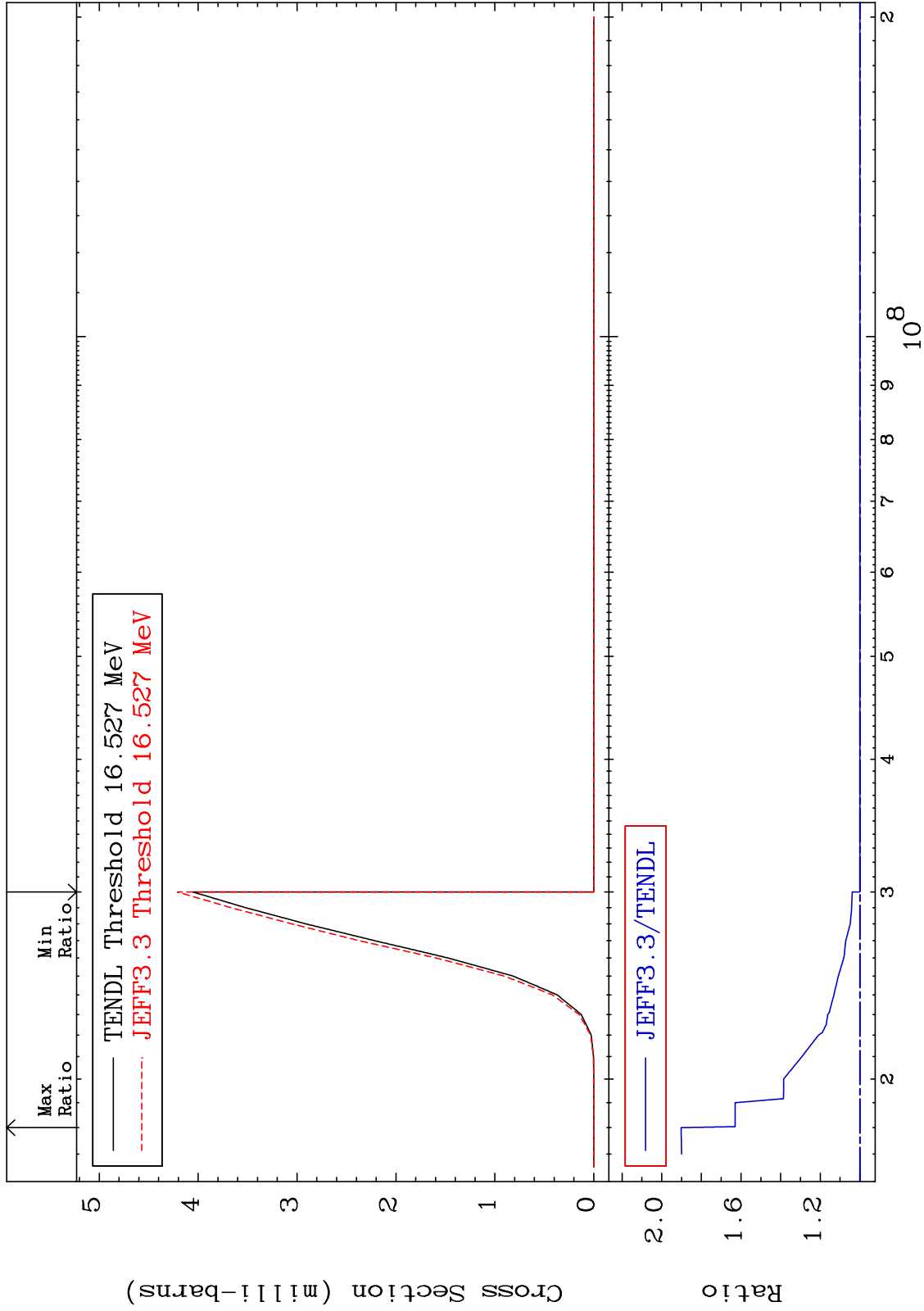
MAT 2628

(n,p) t

²⁶Fe-55

Cross Section

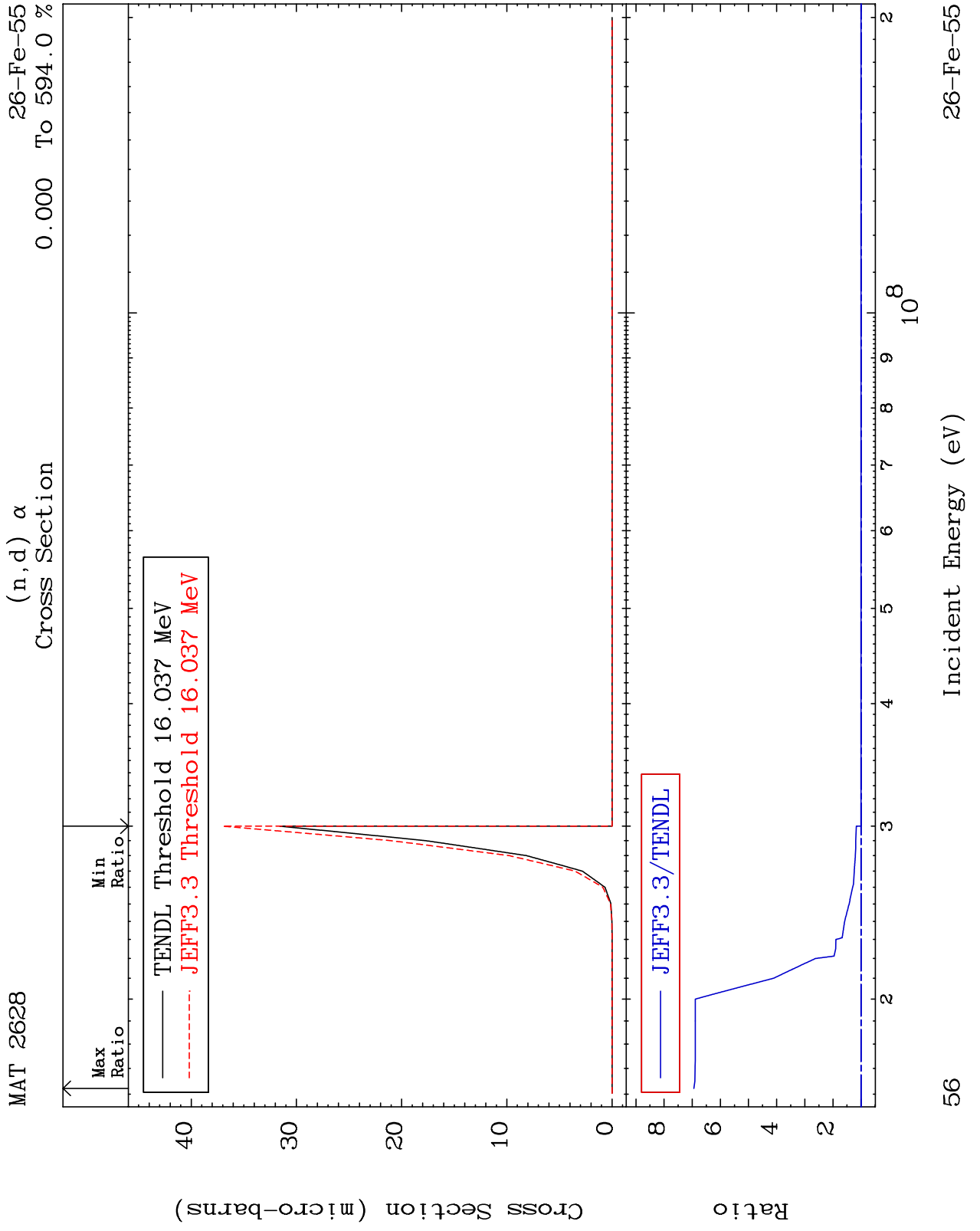
0.000 To 90.16 %



55

Incident Energy (eV)

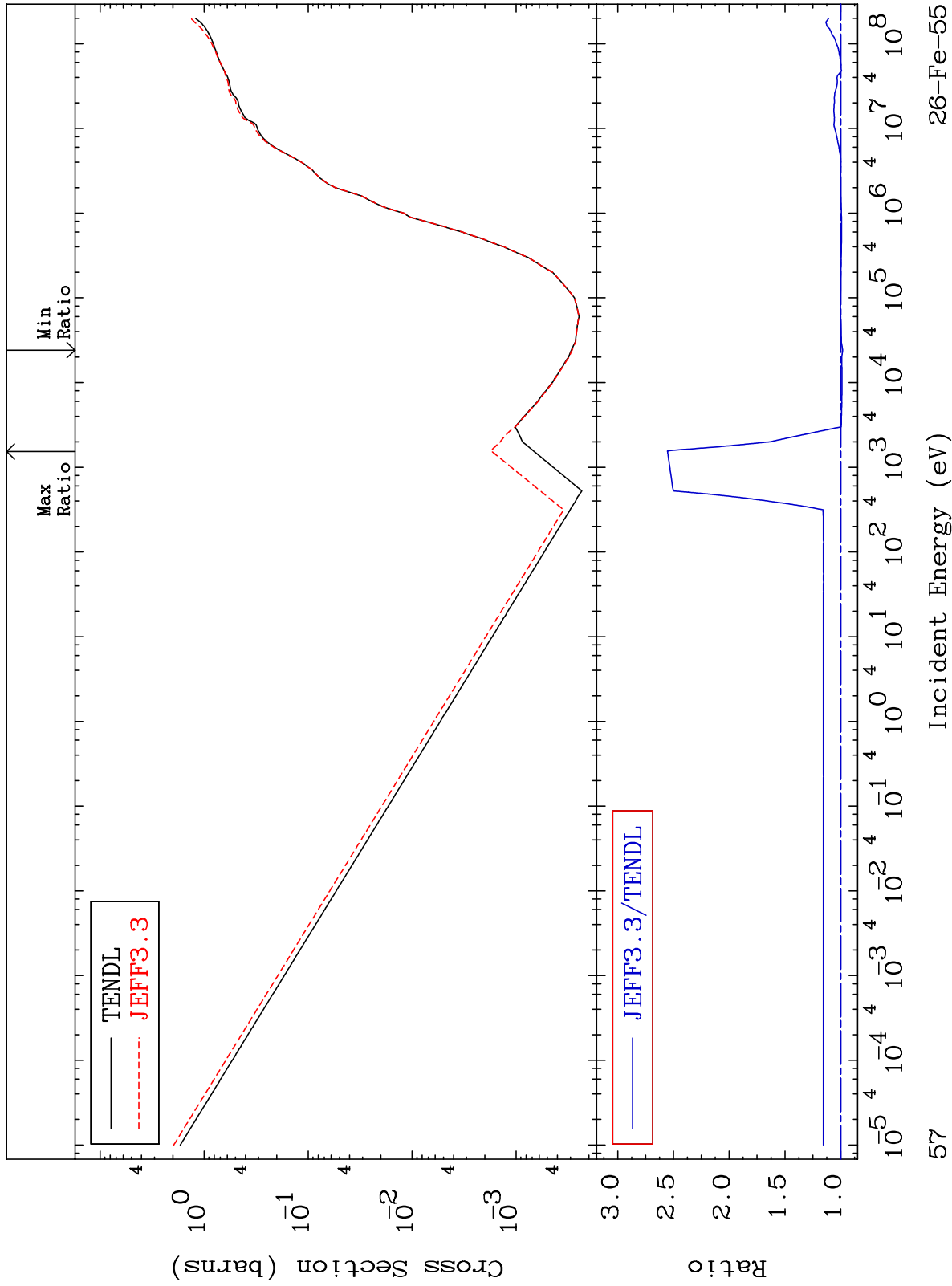
²⁶Fe-55



MAT 2628

Hydrogen Production
Cross Section

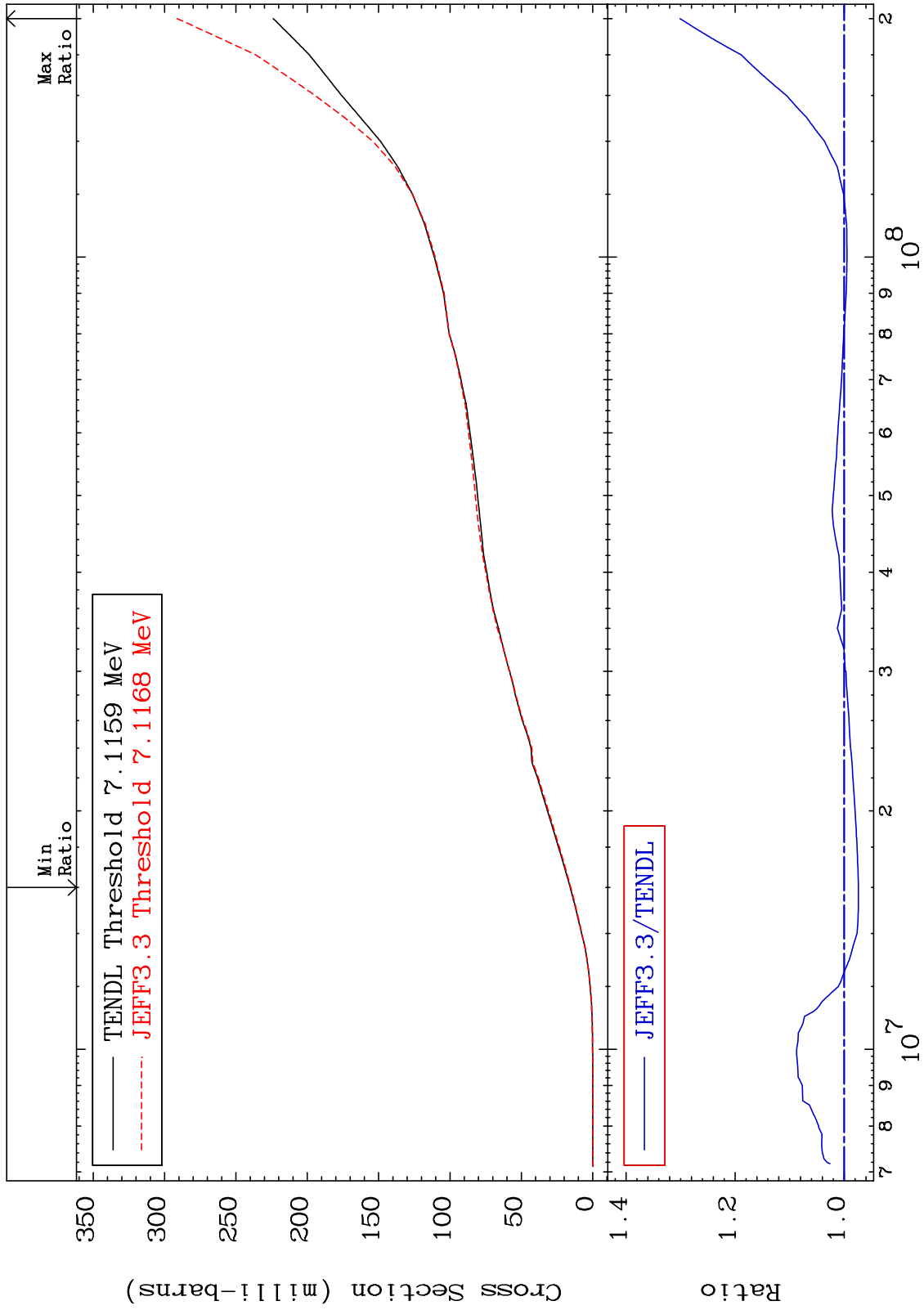
²⁶Fe-55
-1.832 To 155.4 %



MAT 2628

Deuterium Production
Cross Section

$^{26}\text{Fe-55}$
-2.609 To 30.12 %



58

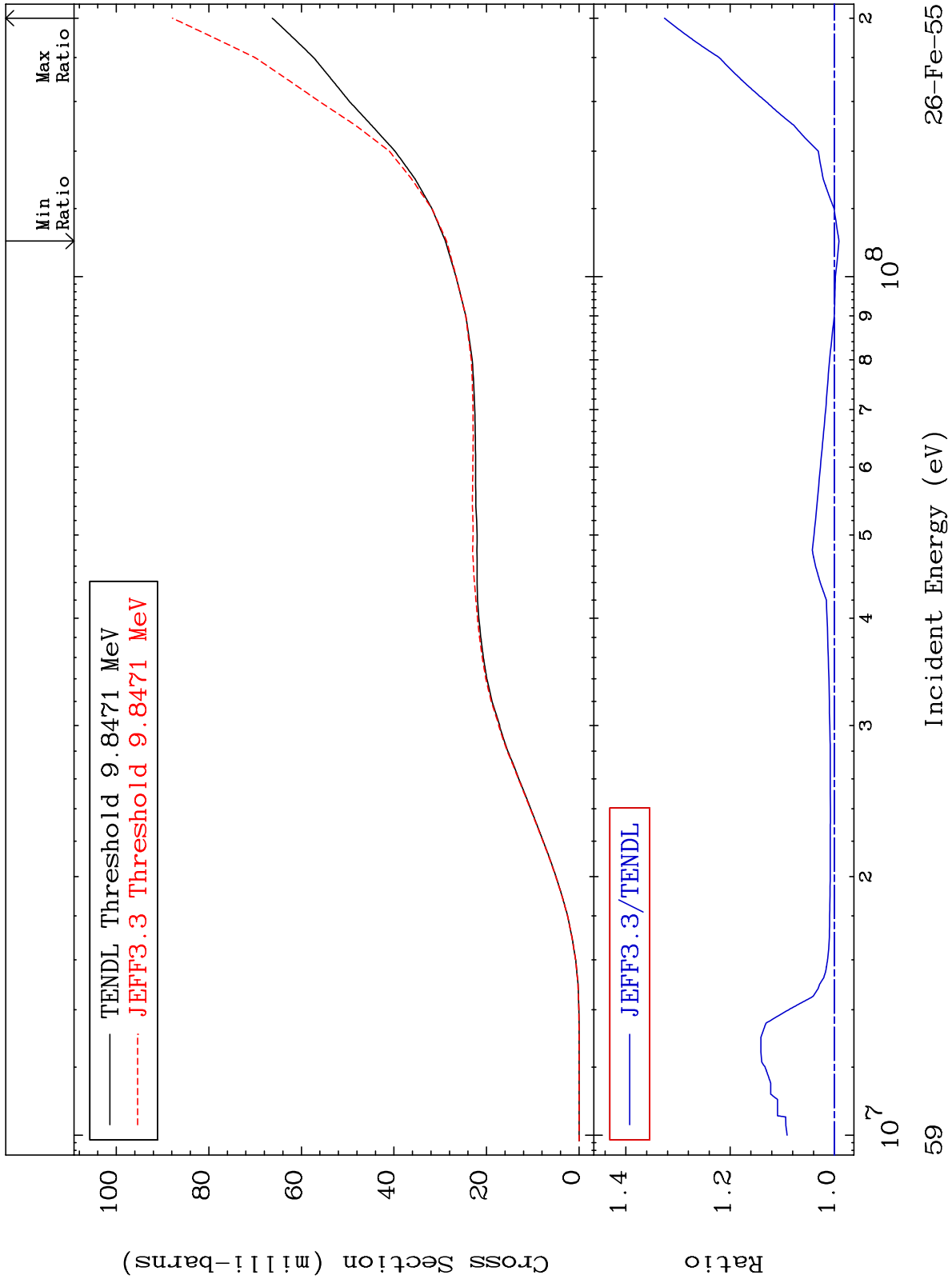
Incident Energy (eV)

$^{26}\text{Fe-55}$

MAT 2628

Tritium Production
Cross Section

$^{26}\text{Fe-55}$
-0.901 To 32.59 %



59

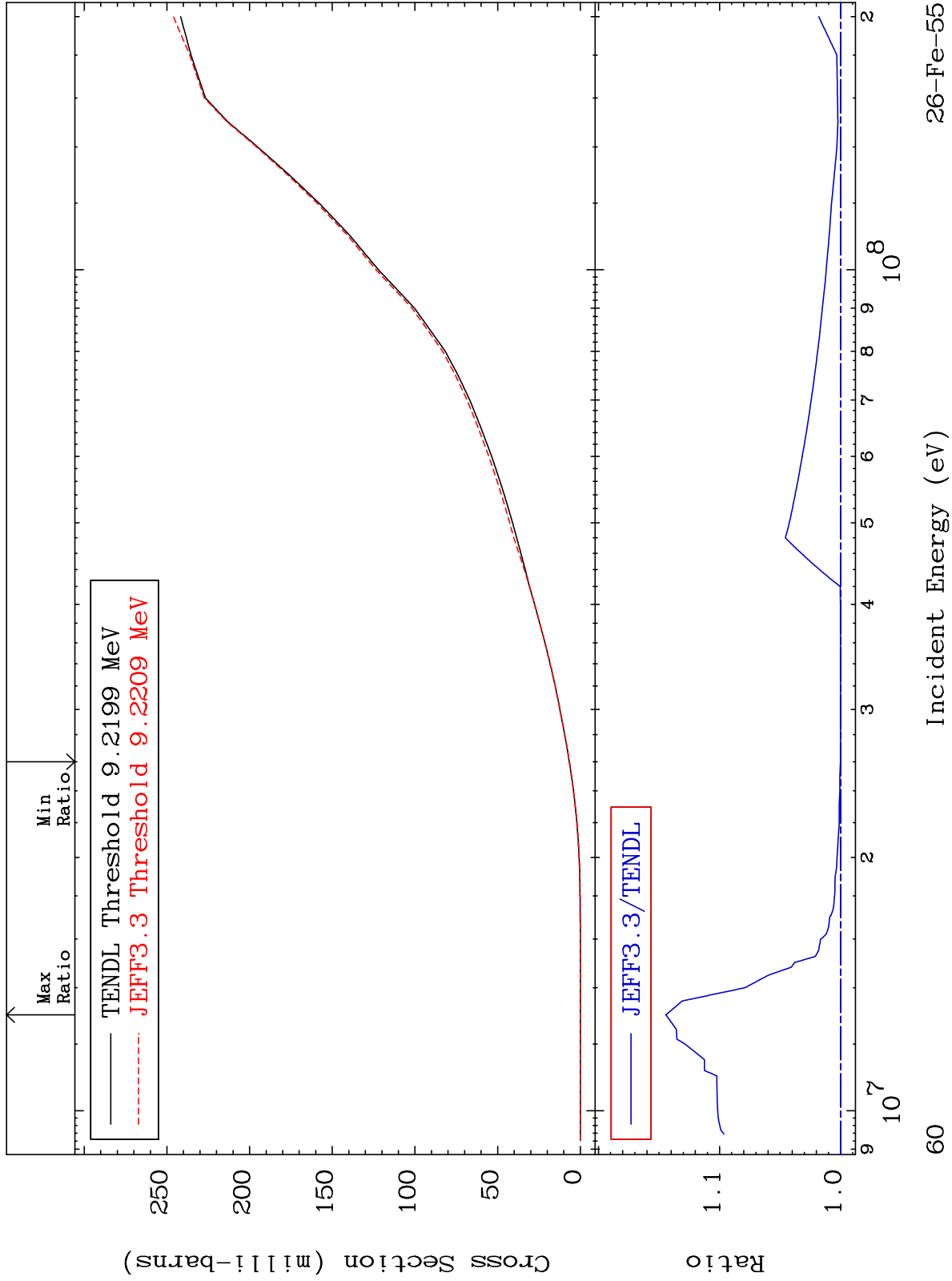
Incident Energy (eV)

$^{26}\text{Fe-55}$

MAT 2628

He-3 Production
Cross Section

26-Fe-55
0.010 To 14.43 %

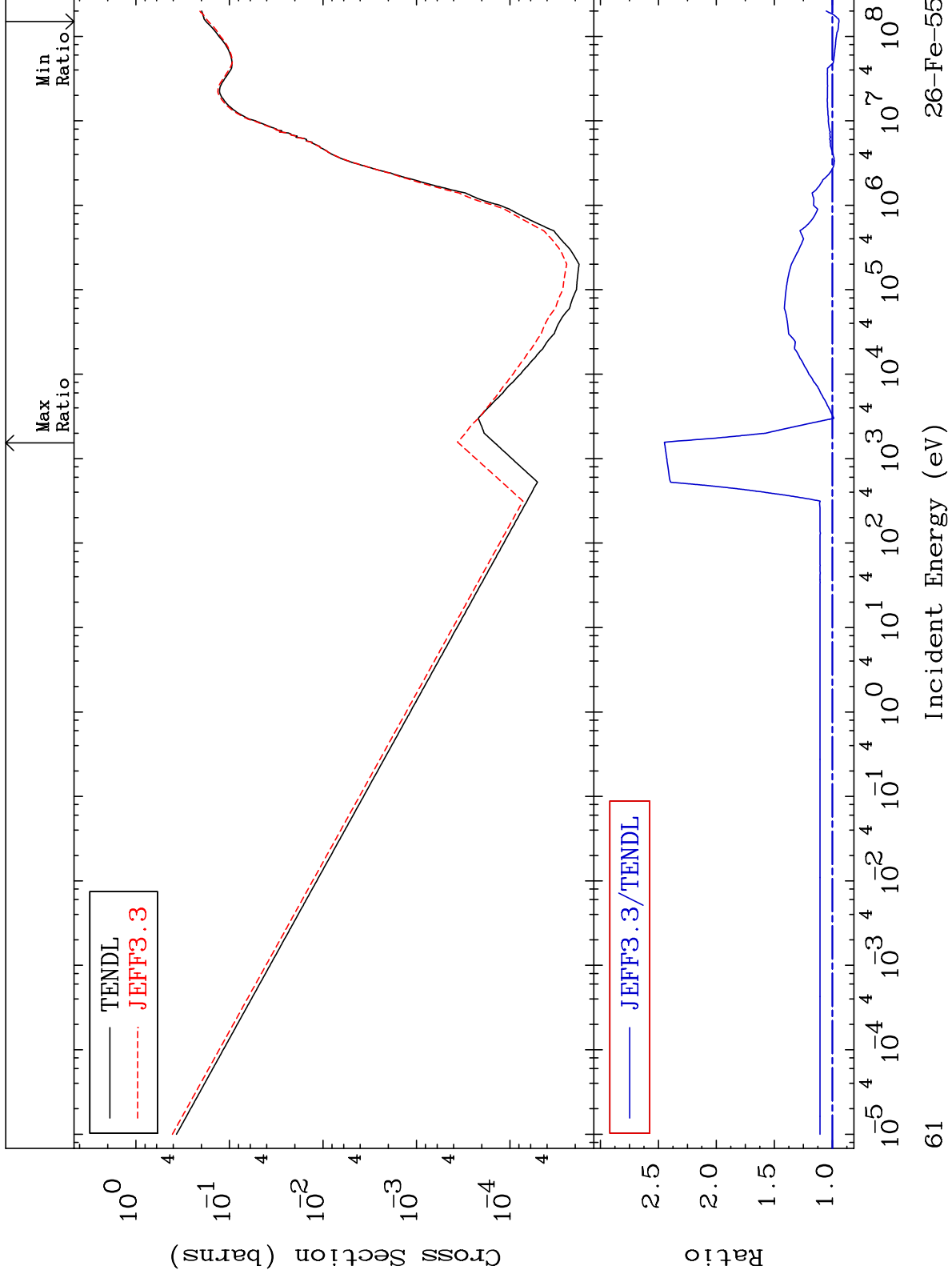


26-Fe-55

MAT 2628

He-4 Production
Cross Section

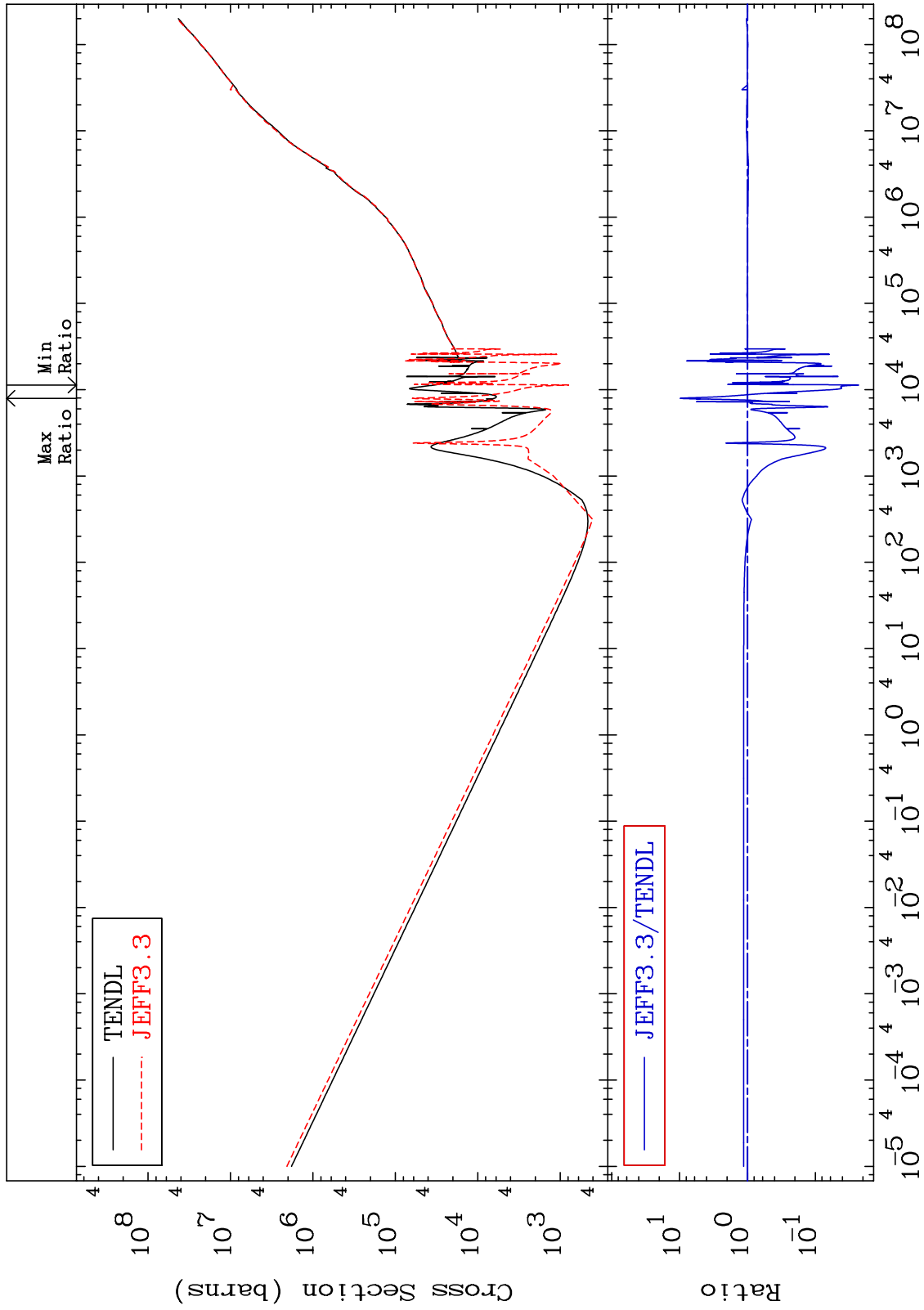
²⁶Fe-55
-5.765 To 144.7 %



MAT 2628

Kerma total (eV-barns)
Cross Section

26-Fe-55
-97.67 To 885.6 %



62

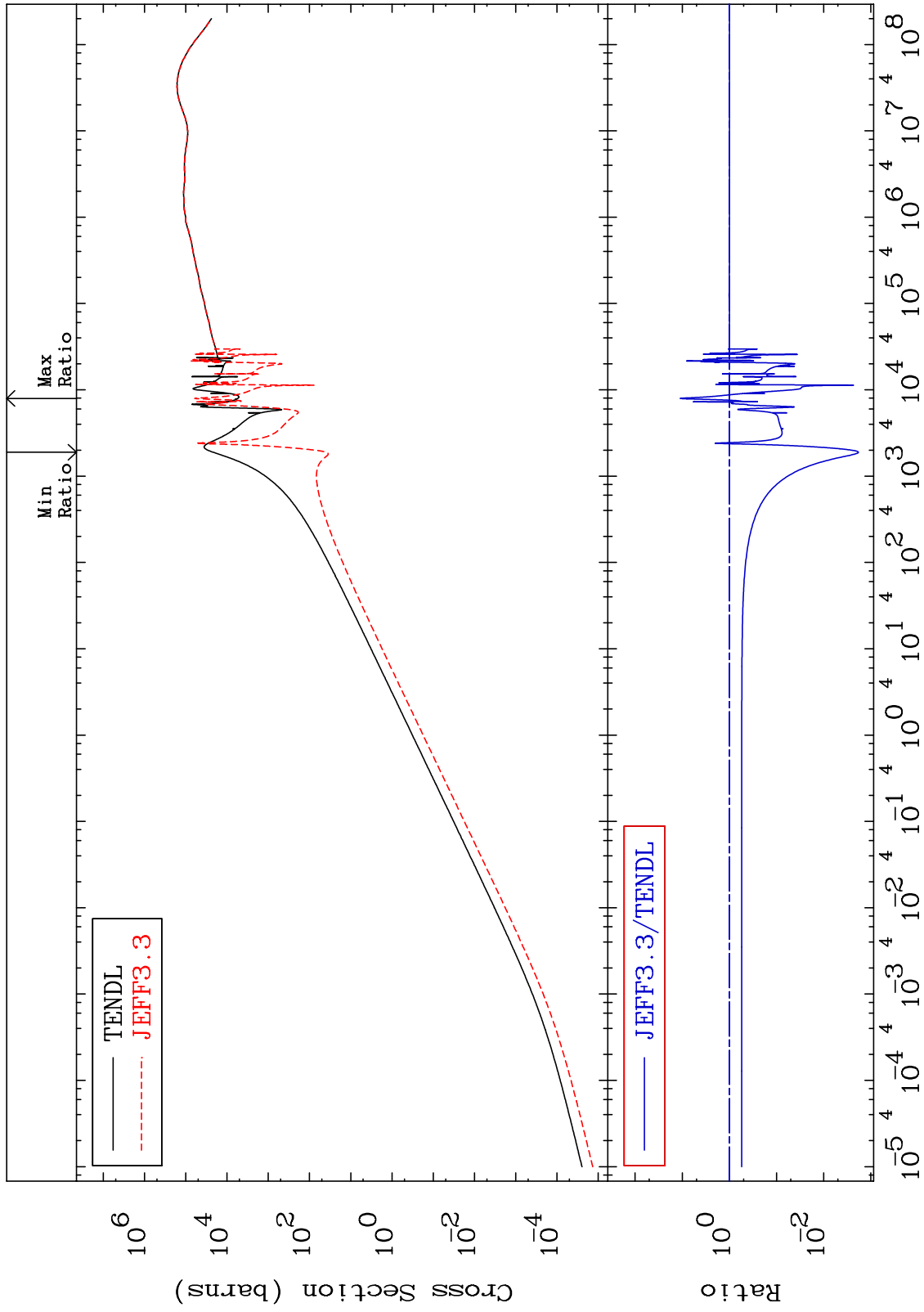
Incident Energy (eV)

26-Fe-55

MAT 2628

Kerma elastic
Cross Section

26-Fe-55
-99.82 To 1016. %



63

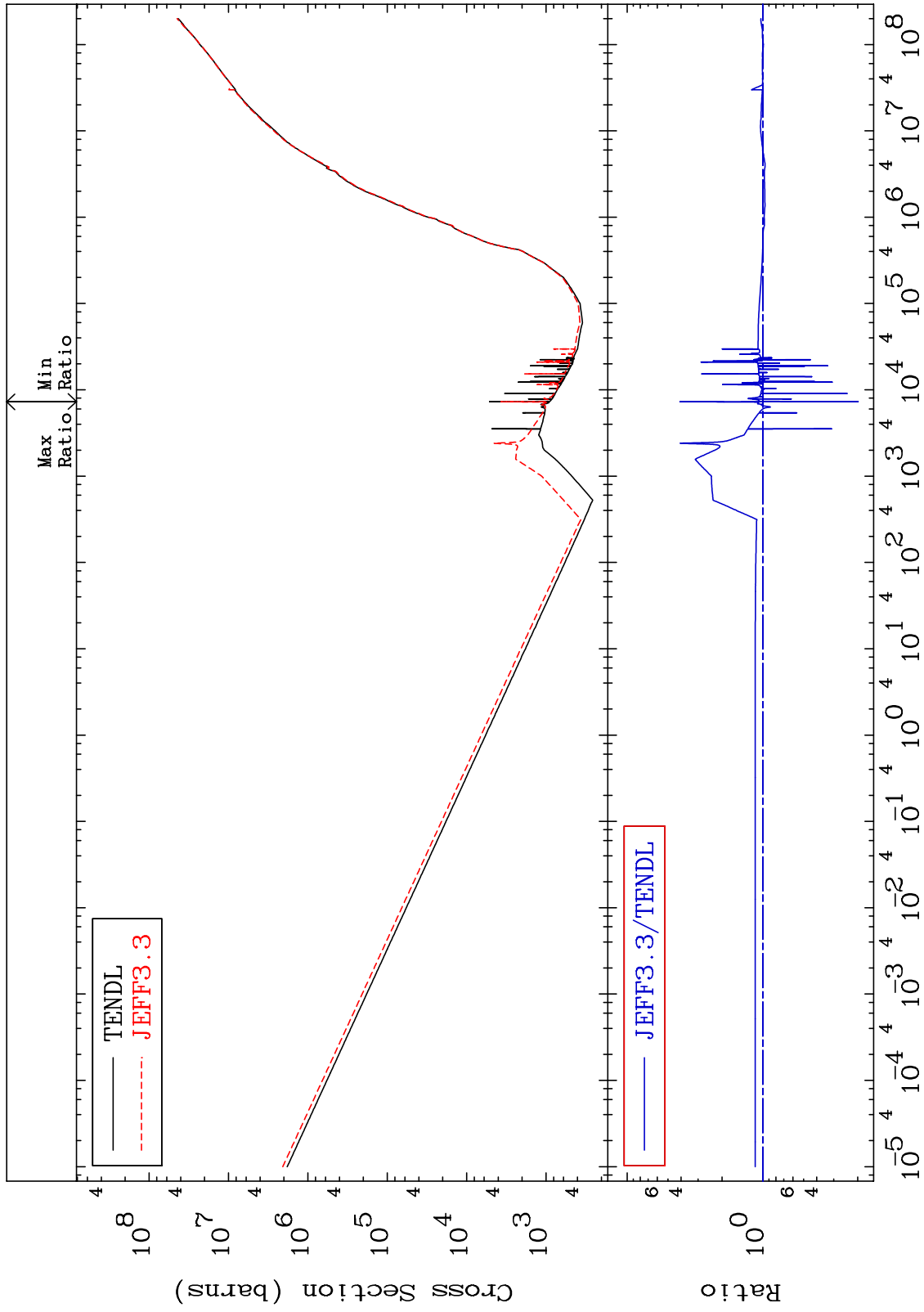
Incident Energy (eV)

26-Fe-55

MAT 2628

Kerma non-elastic (all but mt2)
Cross Section

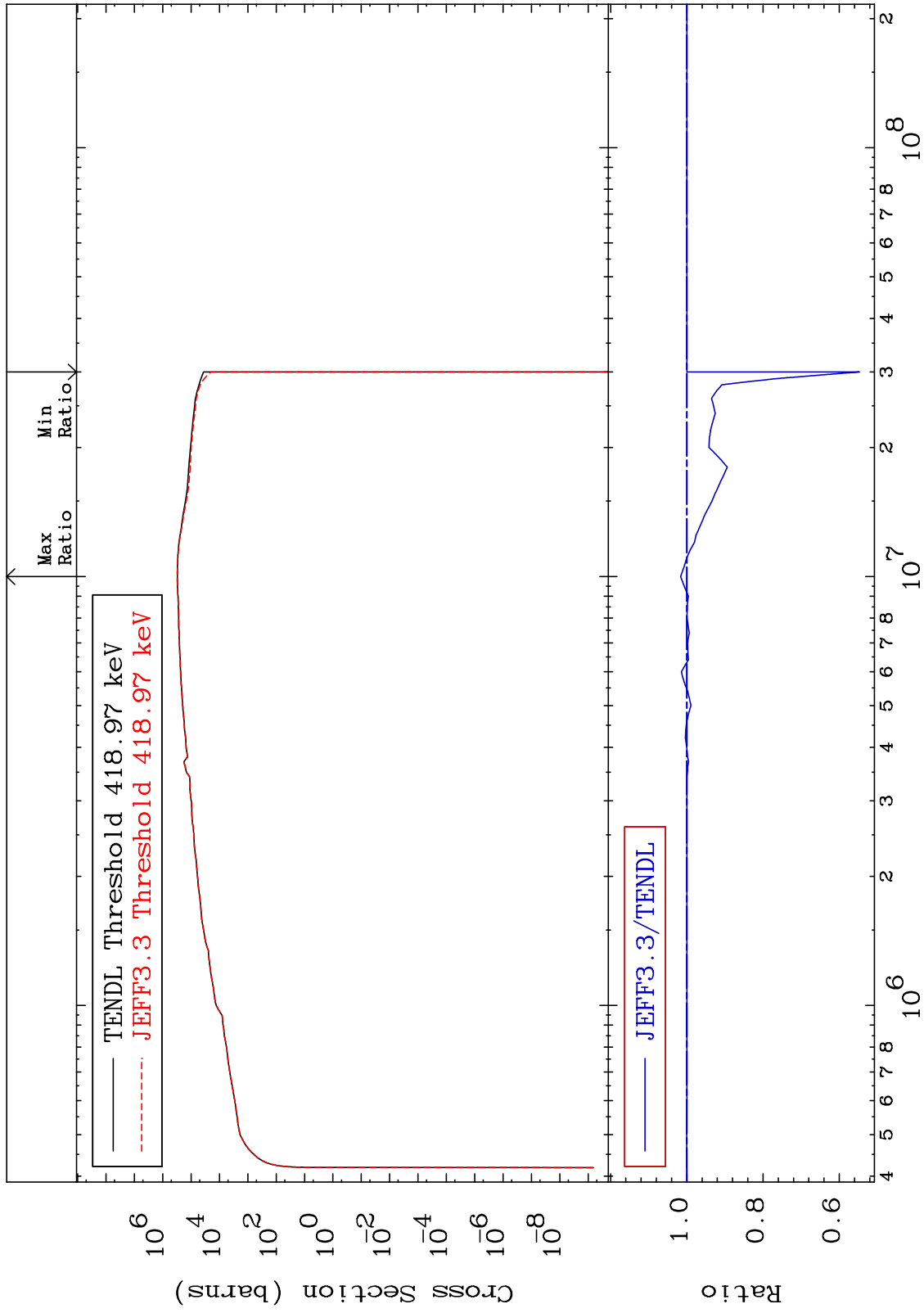
26-Fe-55
-80.26 To 307.7 %



MAT 2628

Kerma inelastic (mt51-91)
Cross Section

26-Fe-55
-45.22 To 1.631 %



65

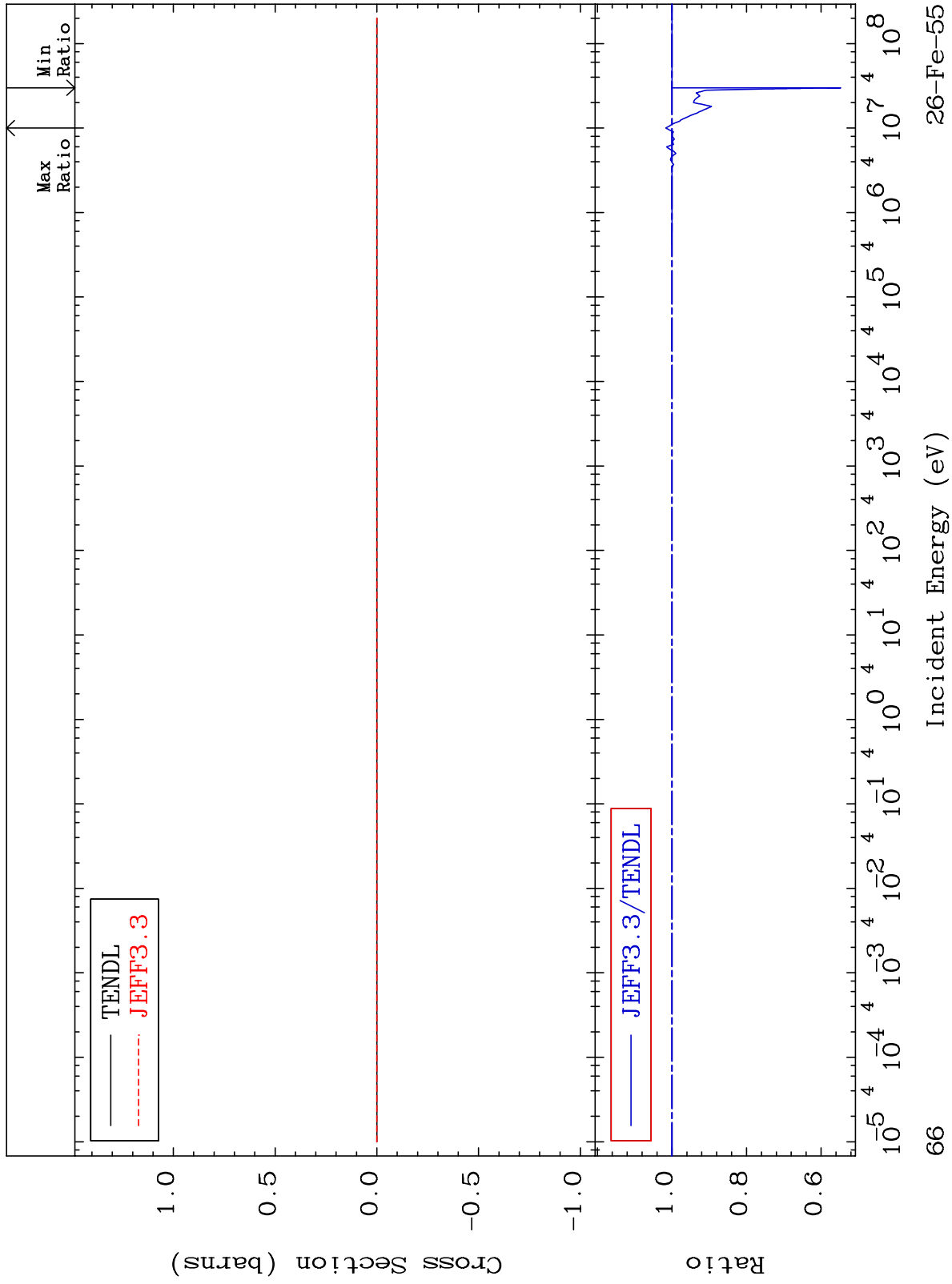
Incident Energy (eV)

26-Fe-55

MAT 2628

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

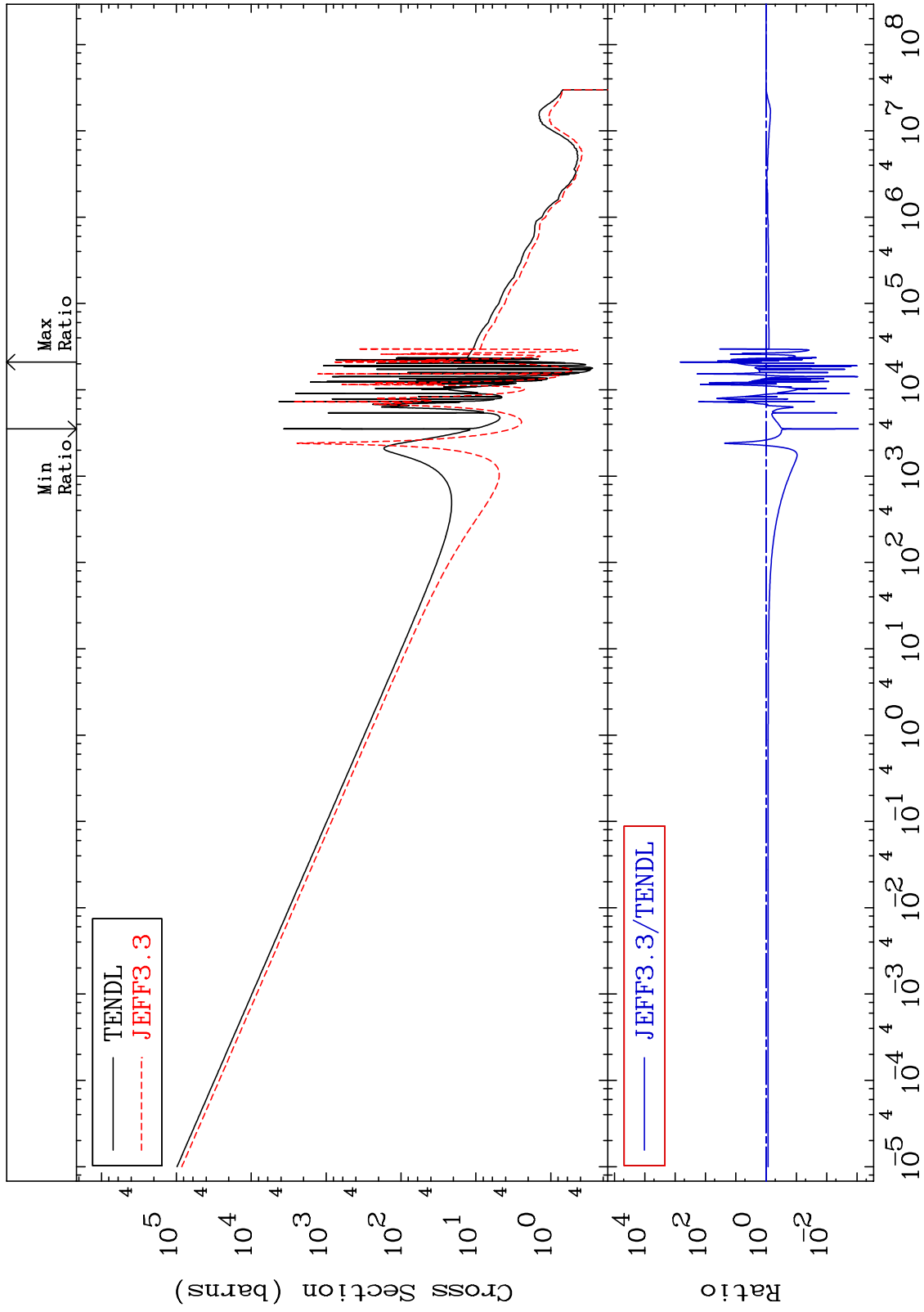
26-Fe-55
-45.22 To 1.631 %



MAT 2628

Kerma capture (mt102)
Cross Section

26-Fe-55
-99.91 To 9999. %



67

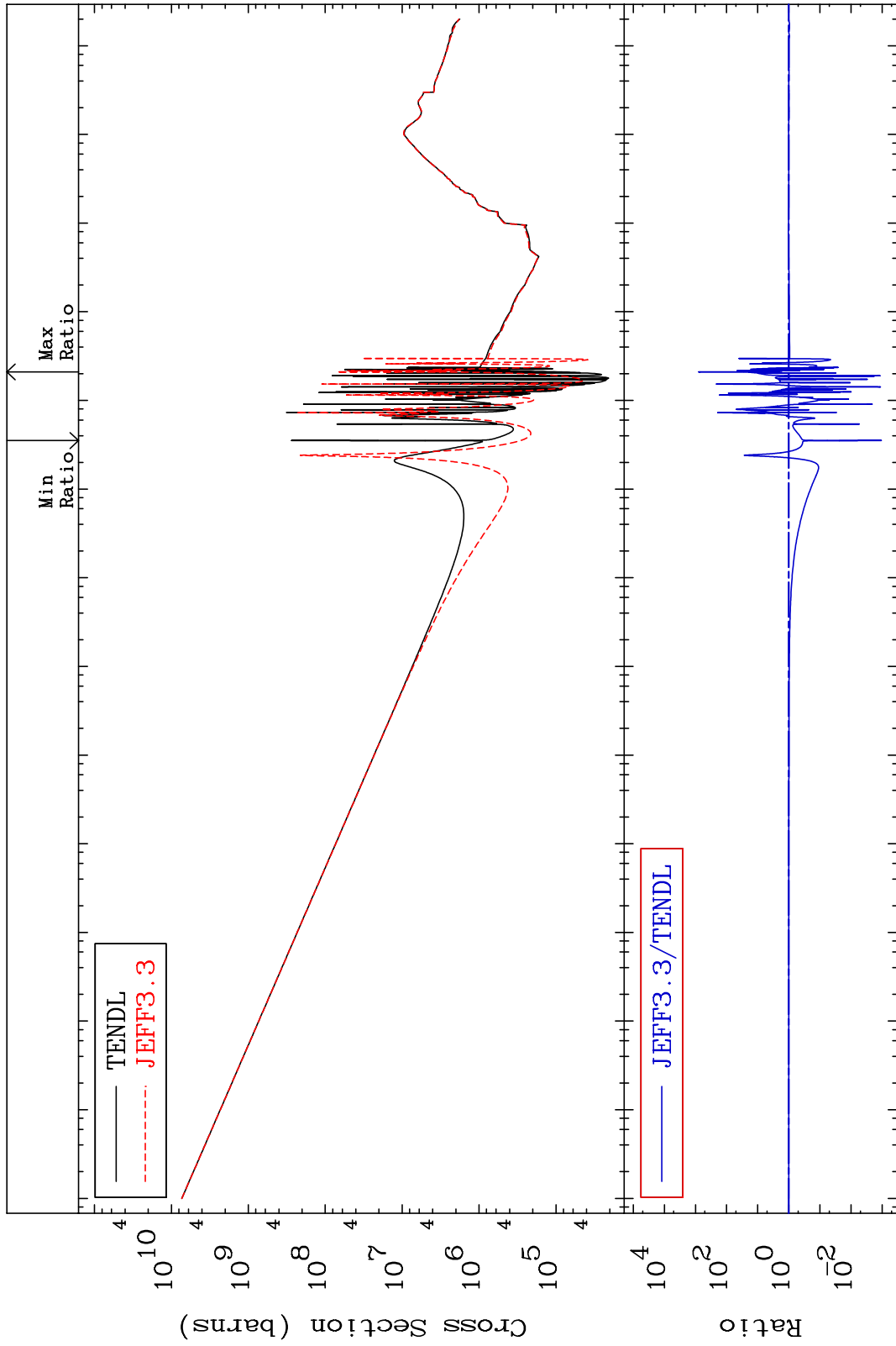
Incident Energy (eV)

26-Fe-55

MAT 2628

Total photon (eV-barns)
Cross Section

26-Fe-55
-99.90 To 9999. %



68

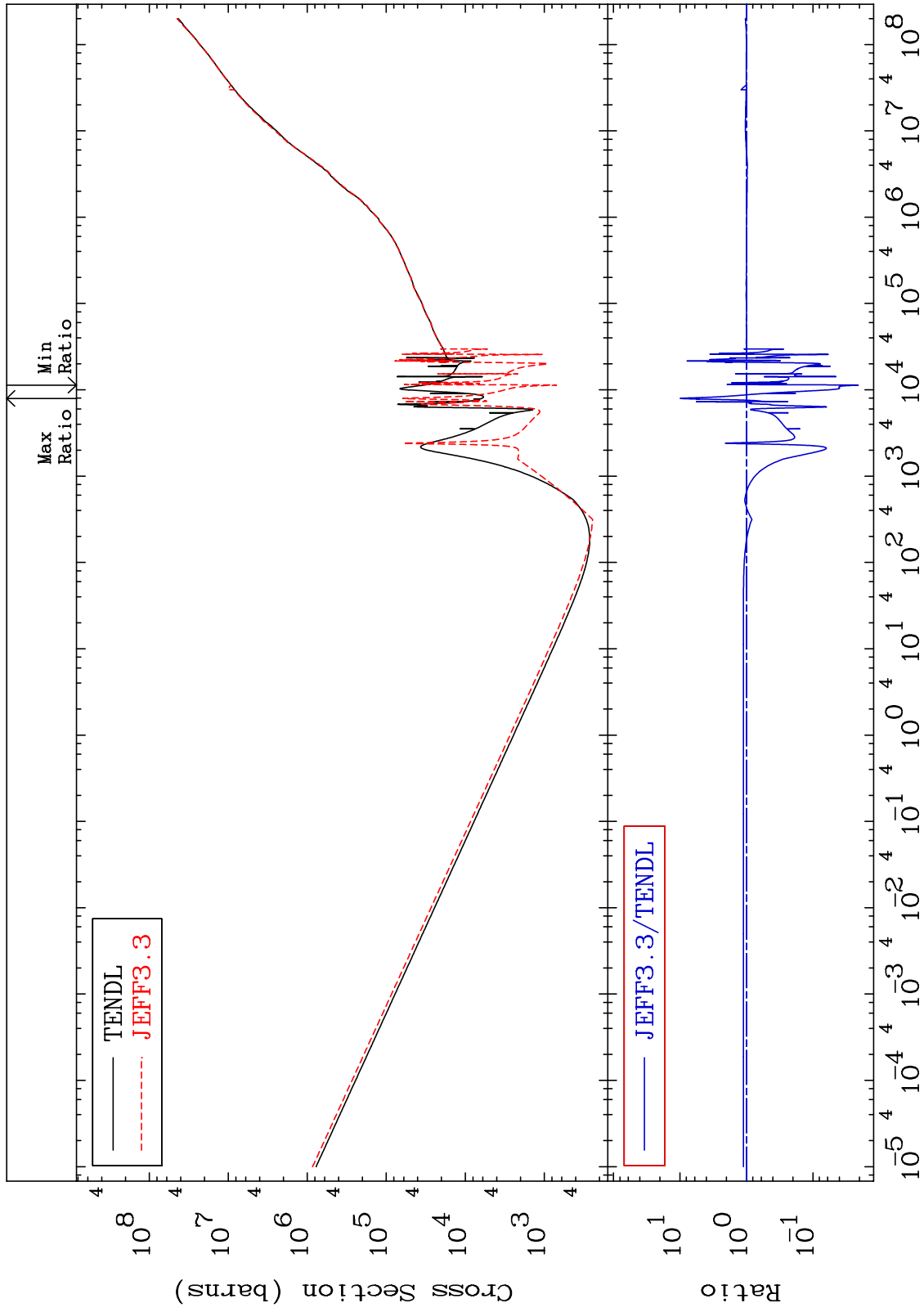
Incident Energy (eV)

26-Fe-55

MAT 2628

Total kinematic kerma (high limit)
Cross Section

²⁶Fe-55
-97.93 To 897.1 %



69

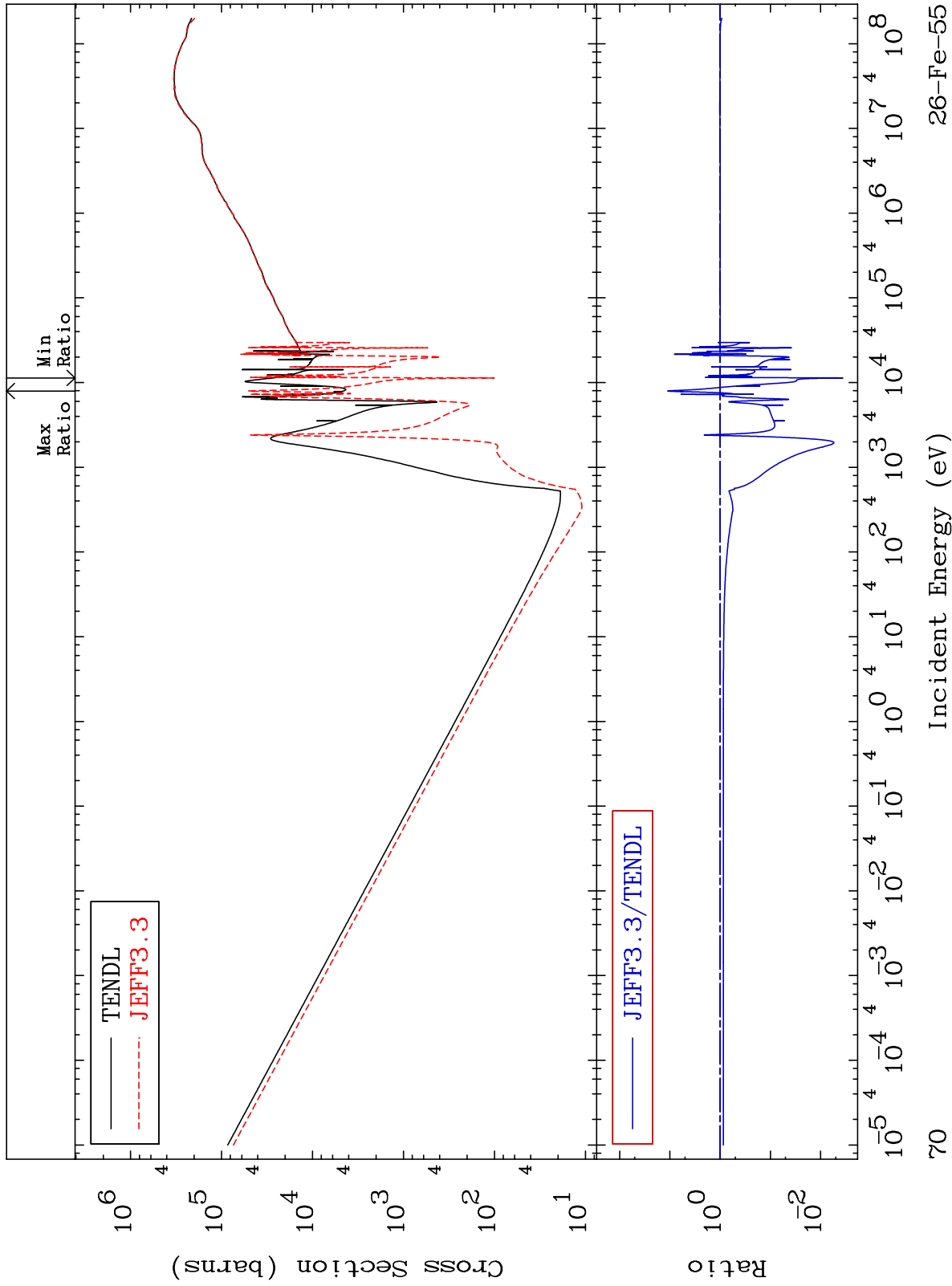
Incident Energy (eV)

²⁶Fe-55

MAT 2628

Dpa total (eV-barns)
Cross Section

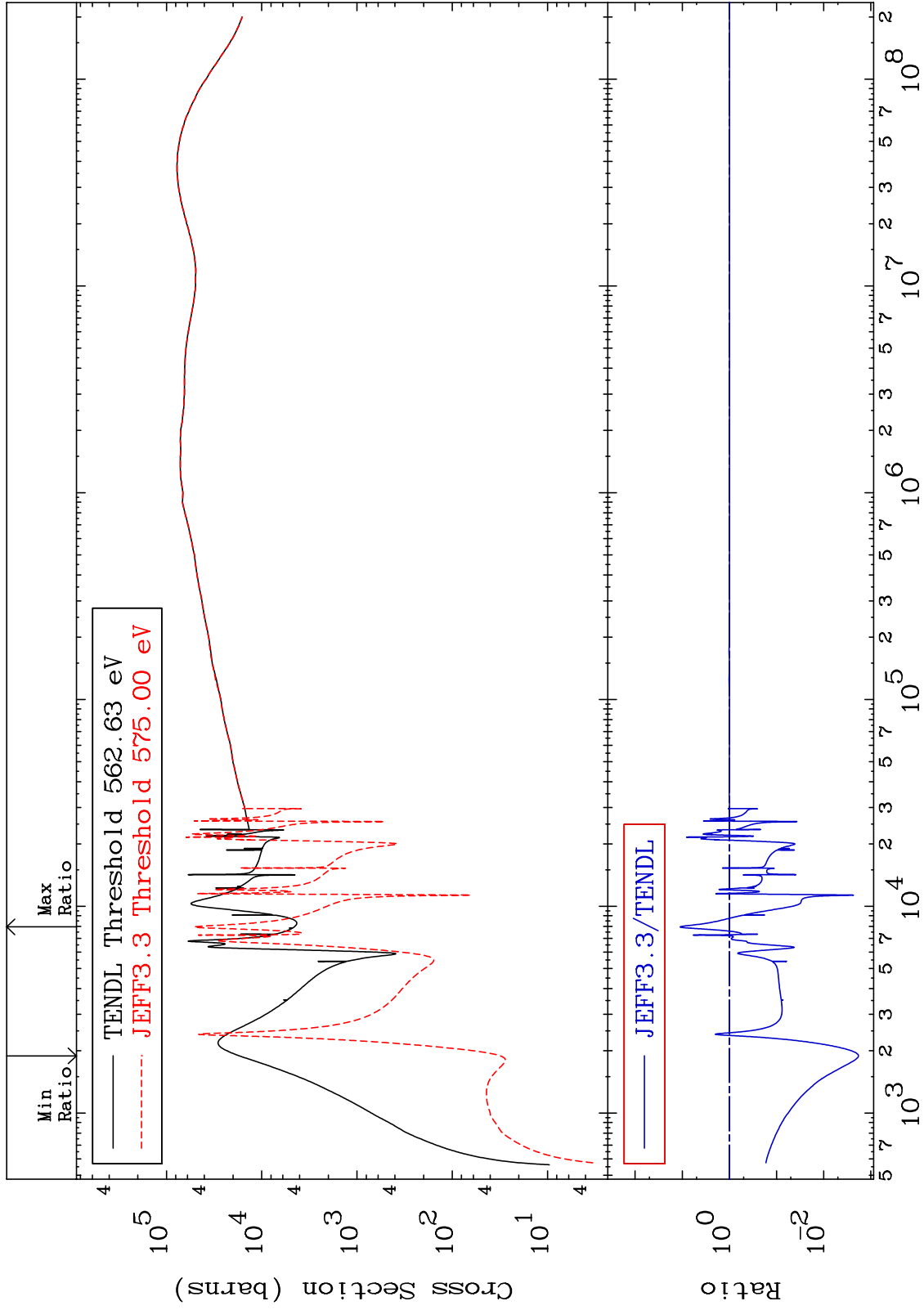
26-Fe-55
-99.64 To 1014. %



MAT 2628

Dpa elastic (mt2)
Cross Section

26-Fe-55
-99.82 To 1016. %



71

Incident Energy (eV)

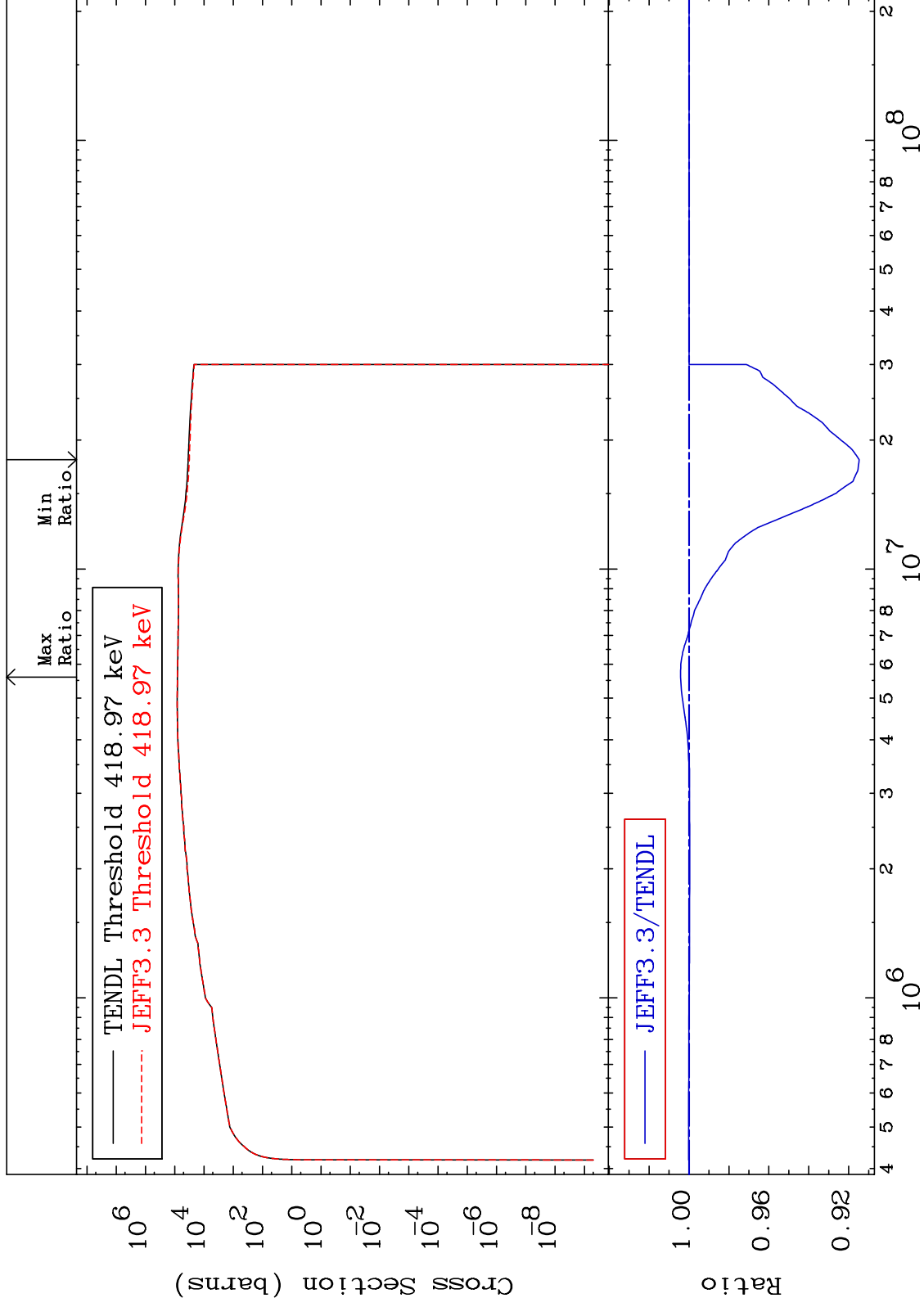
26-Fe-55

MAT 2628

Dpa inelastic (mt51-91)
Cross Section

²⁶Fe-55

-8.526 To 0.420 %



72

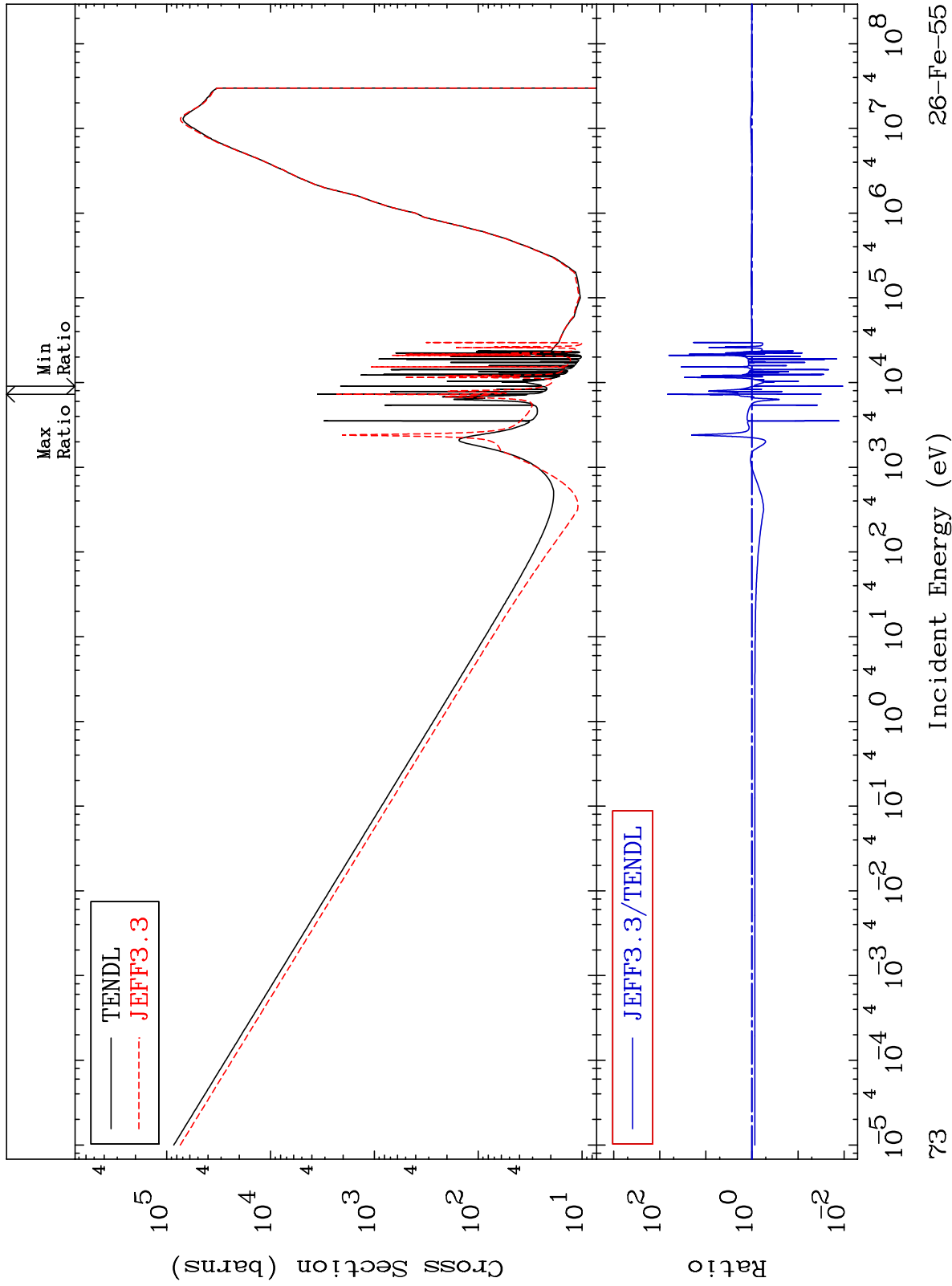
Incident Energy (eV)

²⁶Fe-55

MAT 2628

Dpa disappearance (mt102 -120)
Cross Section

26-Fe-55
-98.93 To 6679. %



73

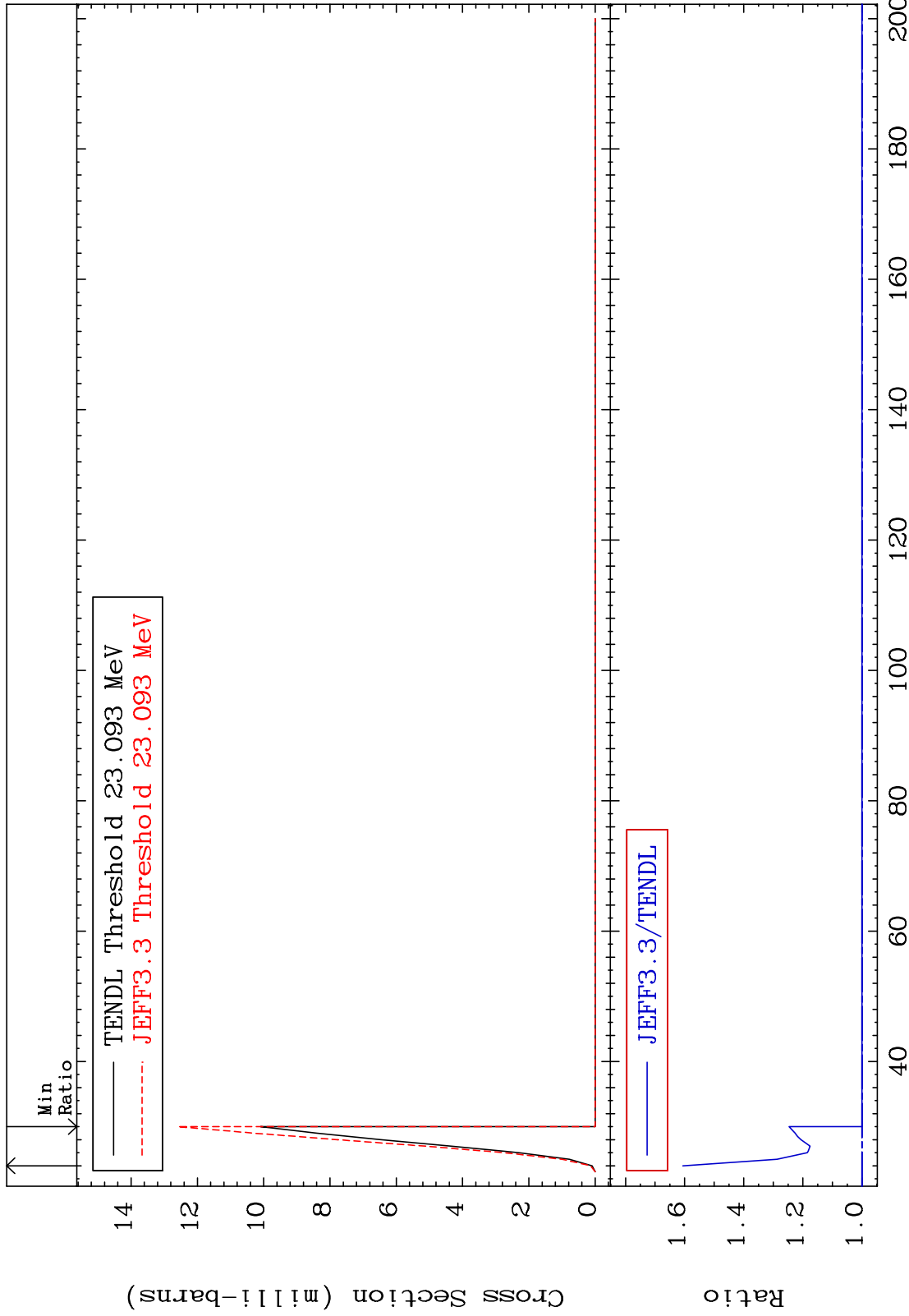
26-Fe-55

MAT 2628

(n,3n):26-Fe-53g

26-Fe-55

Radionuclide Production Cross Section 0.000 To 60.60 %

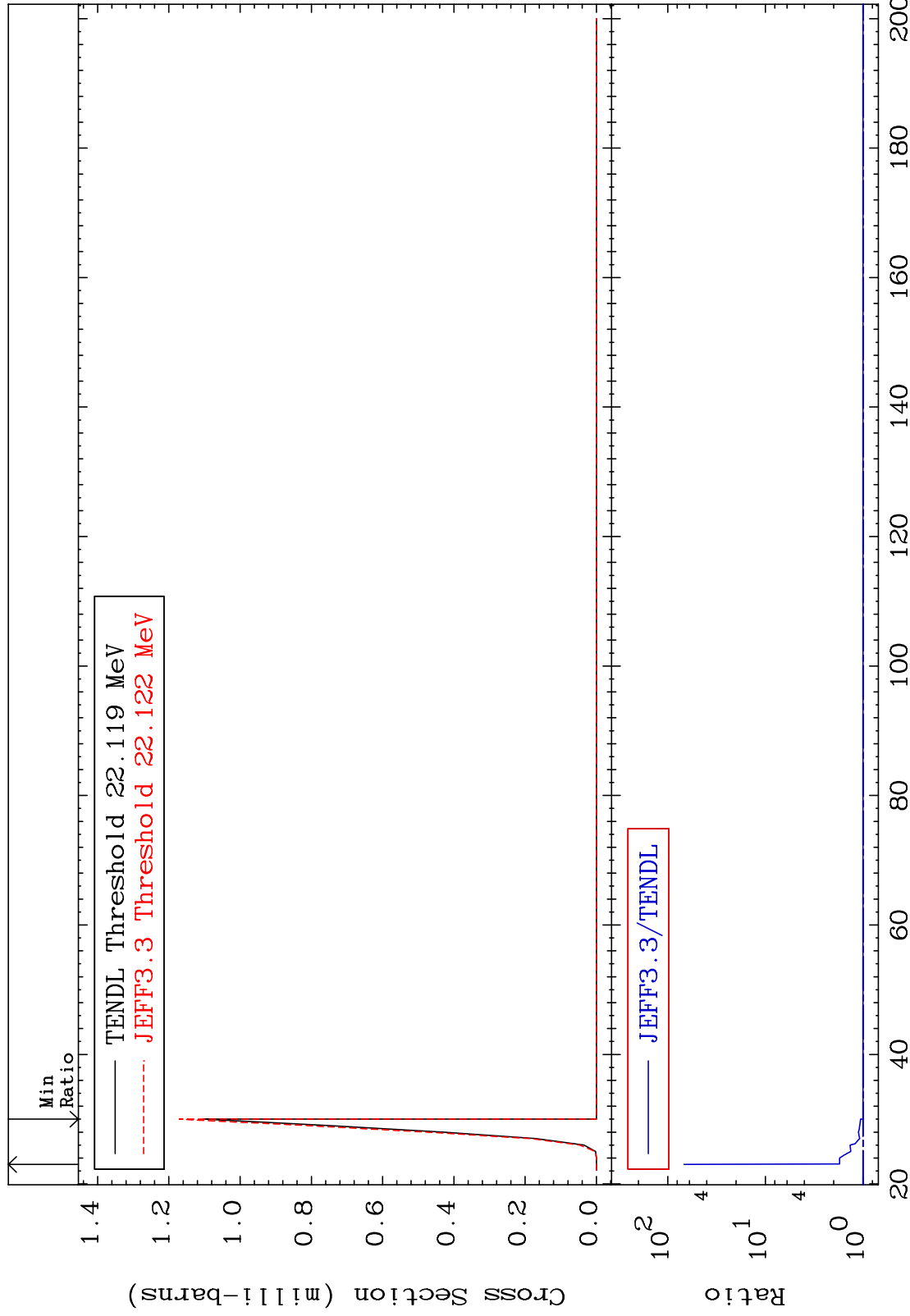


MAT 2628

(n, n') t: 25-Mn-52g

26-Fe-55

Radionuclide Production Cross Section 0.000 To 6716. %



75

Incident Energy (MeV)

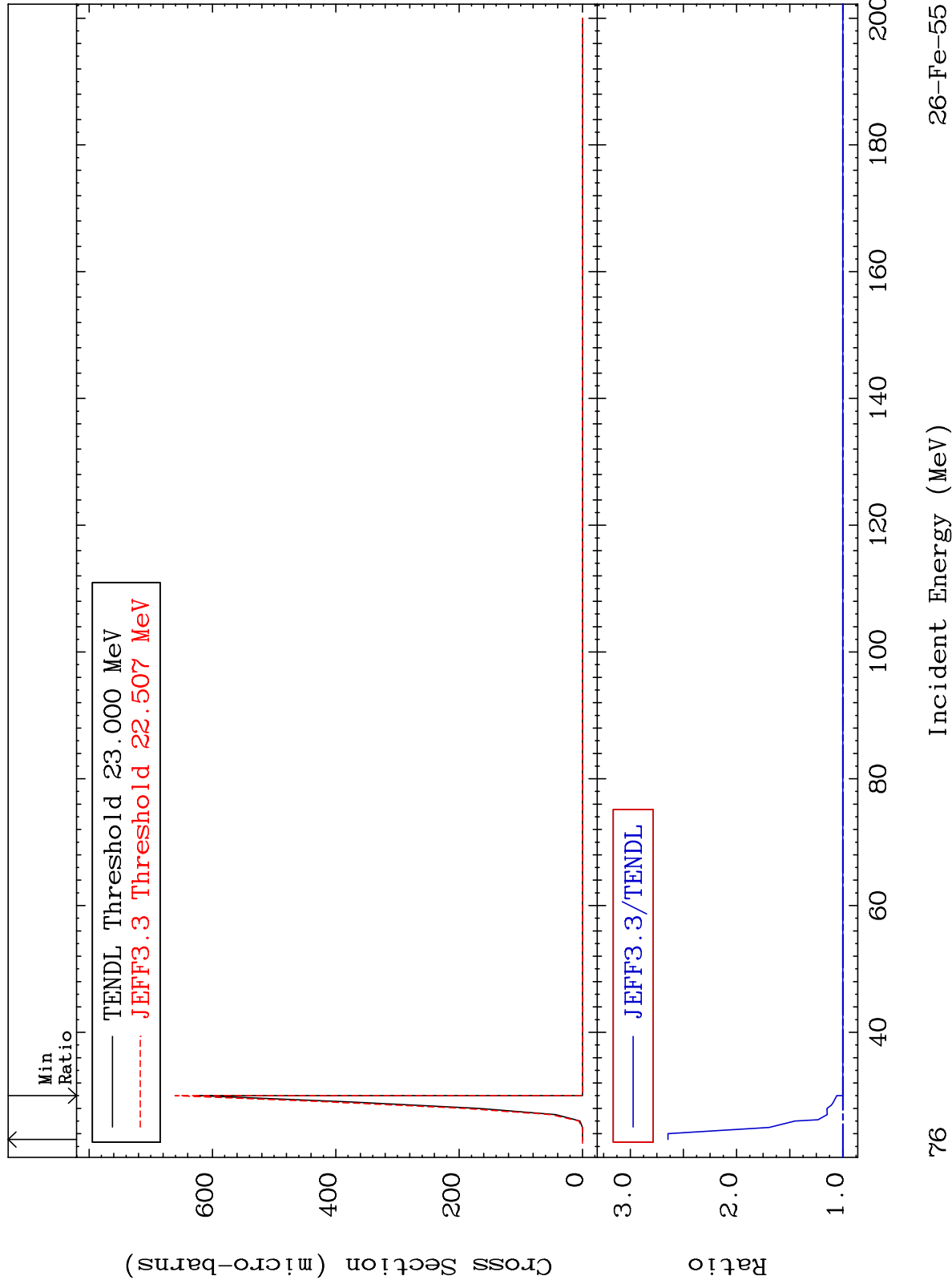
26-Fe-55

MAT 2628

(n, n') t:25-Mn-52m1

26-Fe-55

Radionuclide Production Cross Section 0.000 To 164.5 %



76

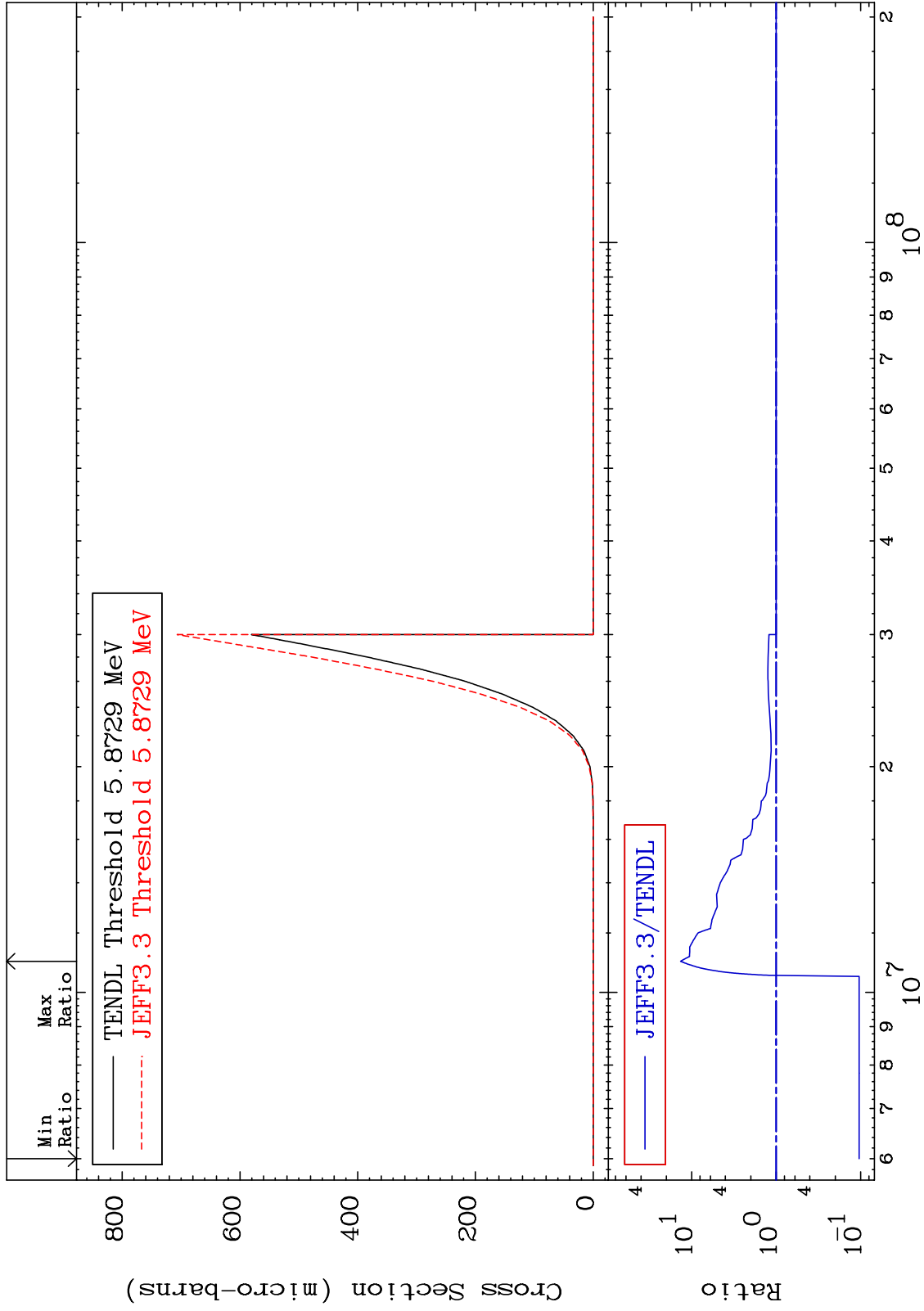
26-Fe-55

MAT 2628

(n,2α):22-Ti-48g

26-Fe-55

Radionuclide Production Cross Section -89.58 To 1255. %



77

Incident Energy (eV)

26-Fe-55