

Program Complot
(Version 2018-1)

by

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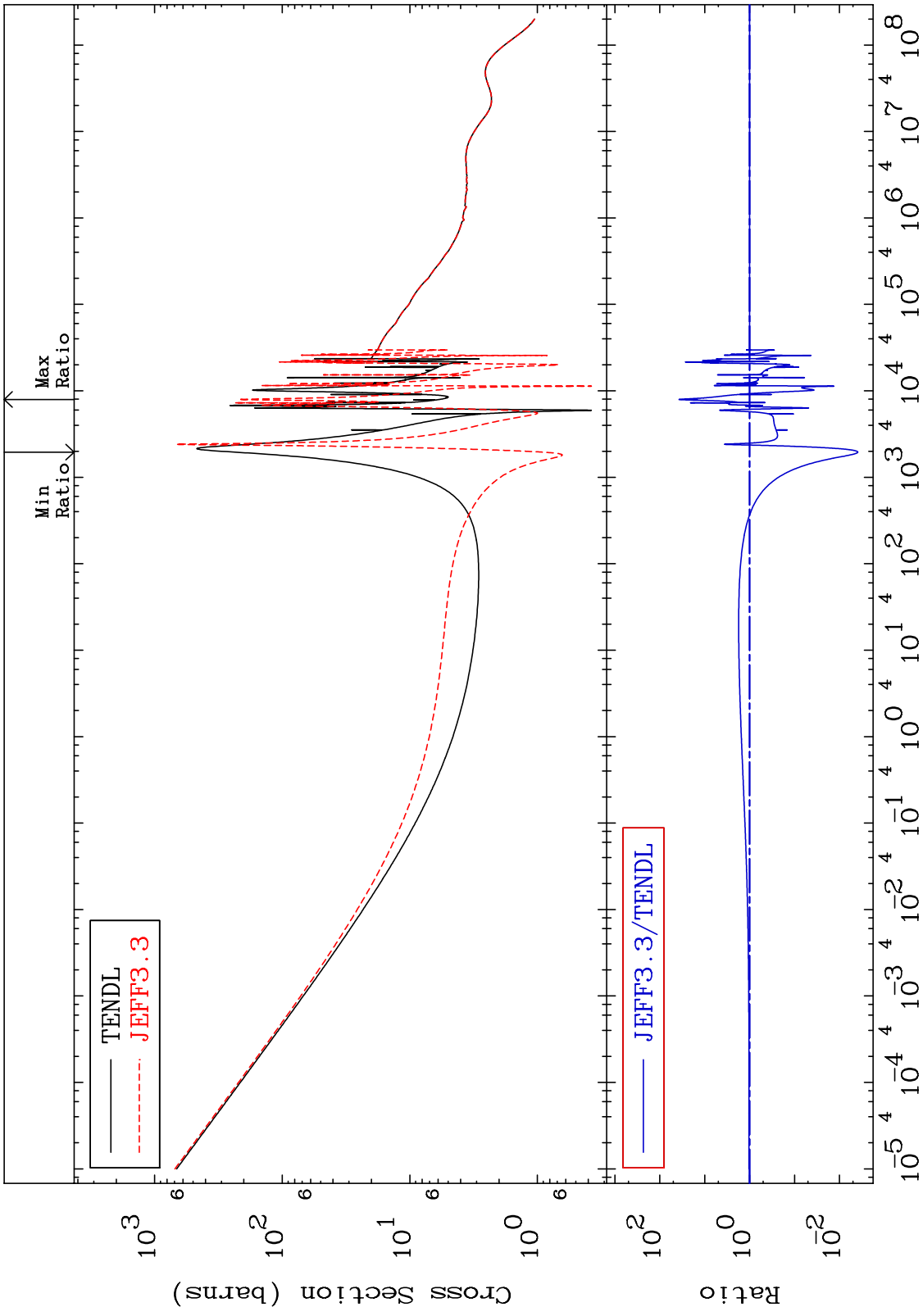
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2628 Total 26-Fe-55
Cross Section -99.61 To 3635. %

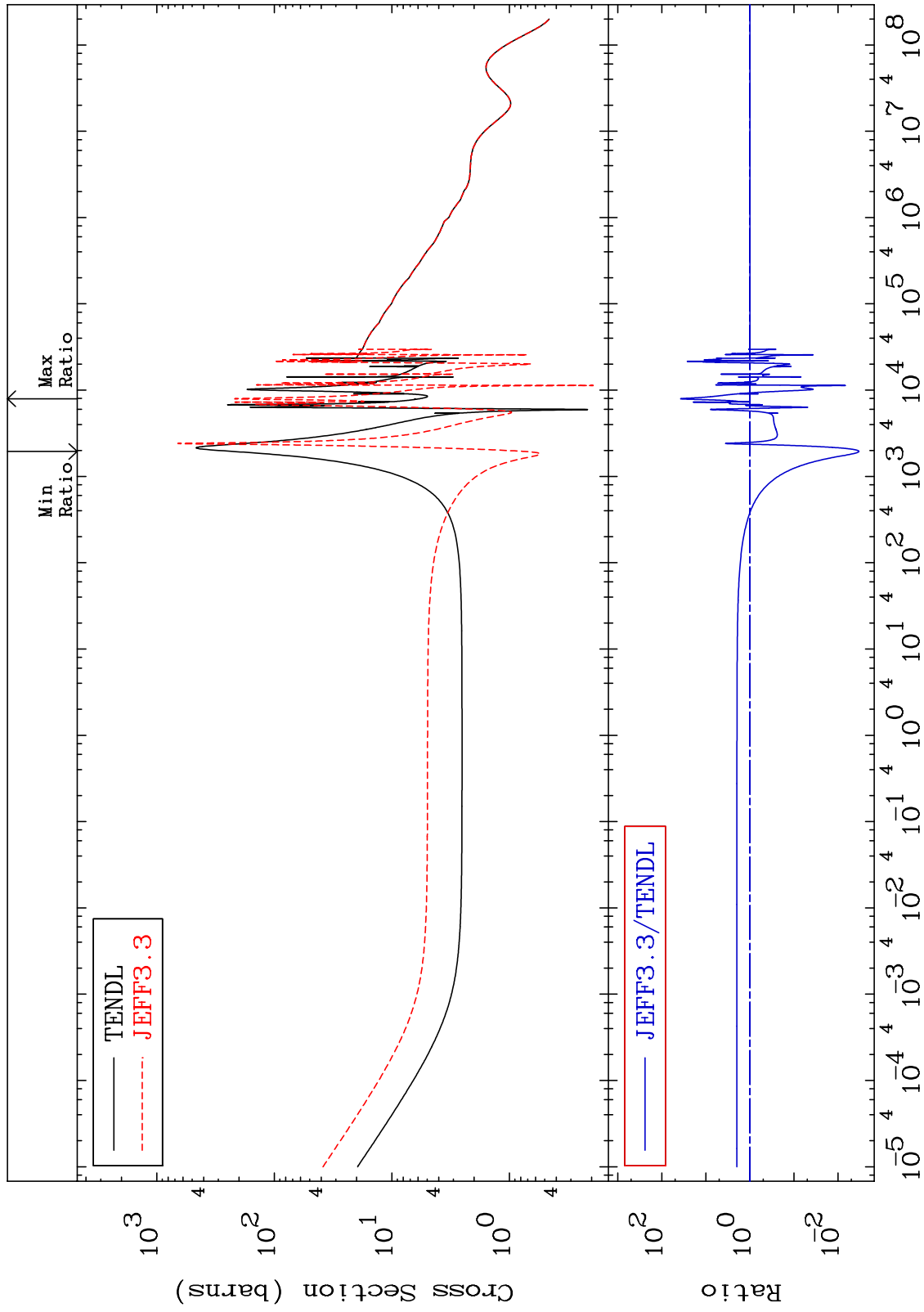


Incident Energy (eV) 26-Fe-55

MAT 2628

Elastic
Cross Section

26-Fe-55
-99.67 To 3628. %

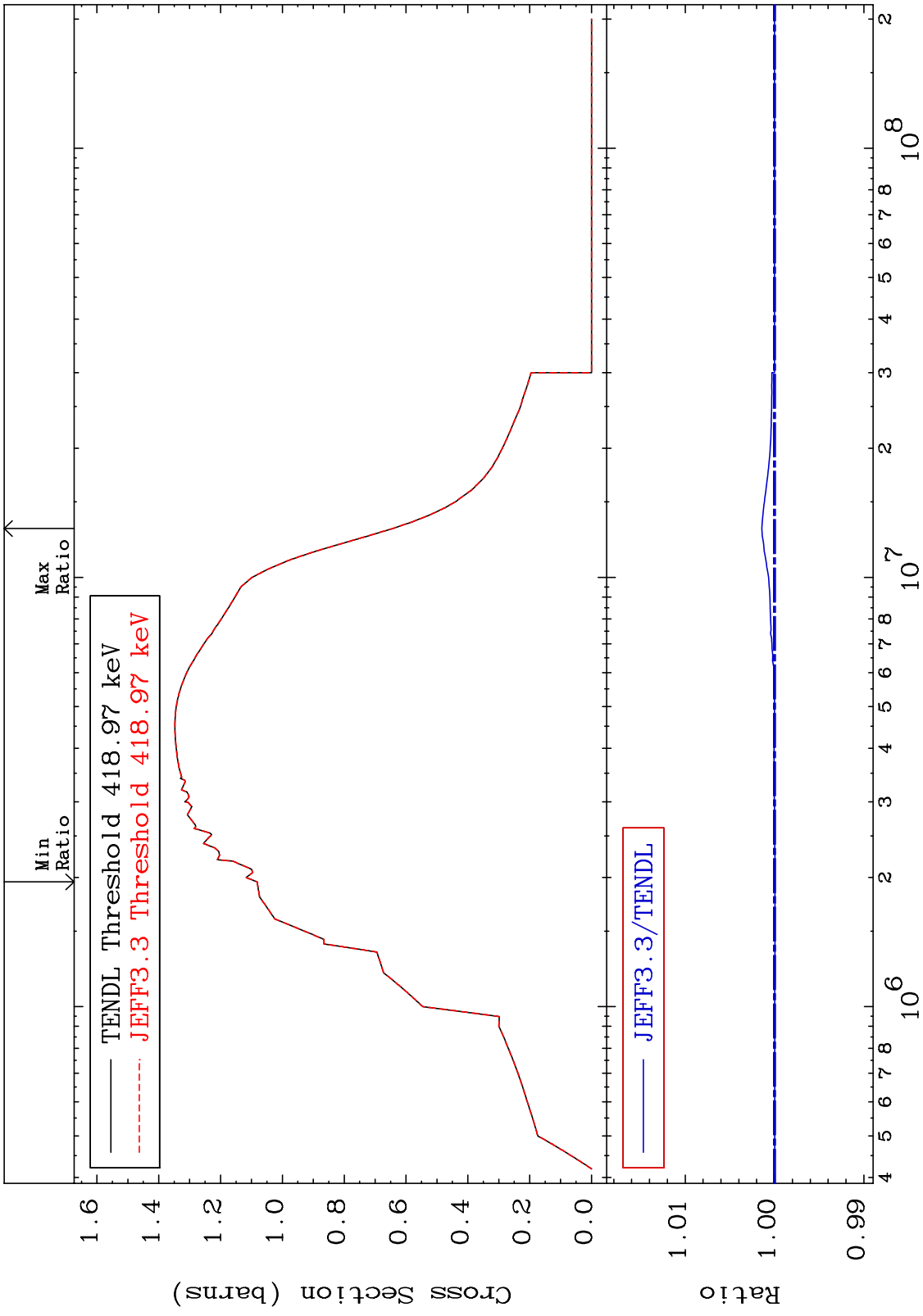


2

Incident Energy (eV)

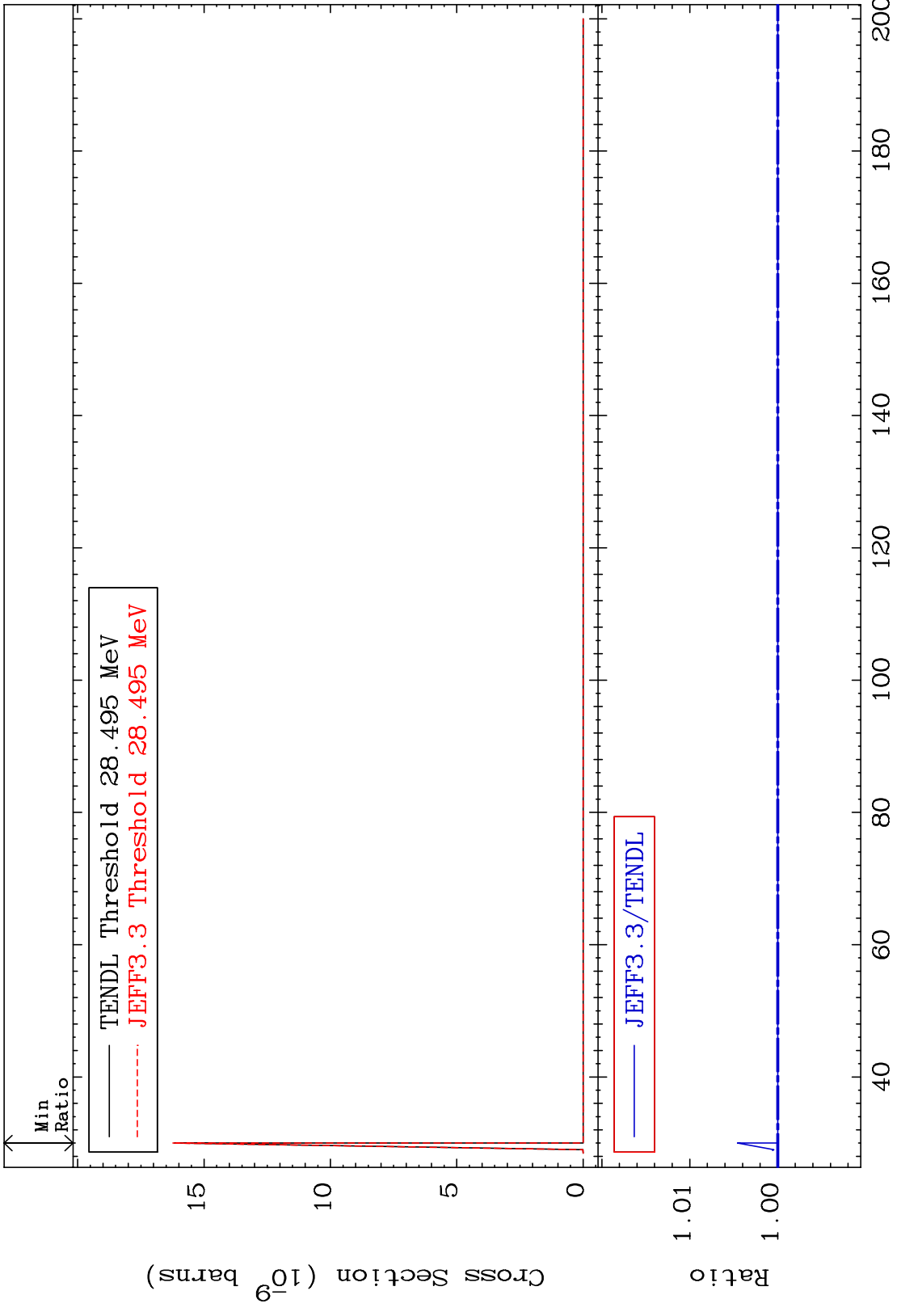
26-Fe-55

MAT 2628 Inelastic Cross Section 26-Fe-55
-0.005 To 0.141 %

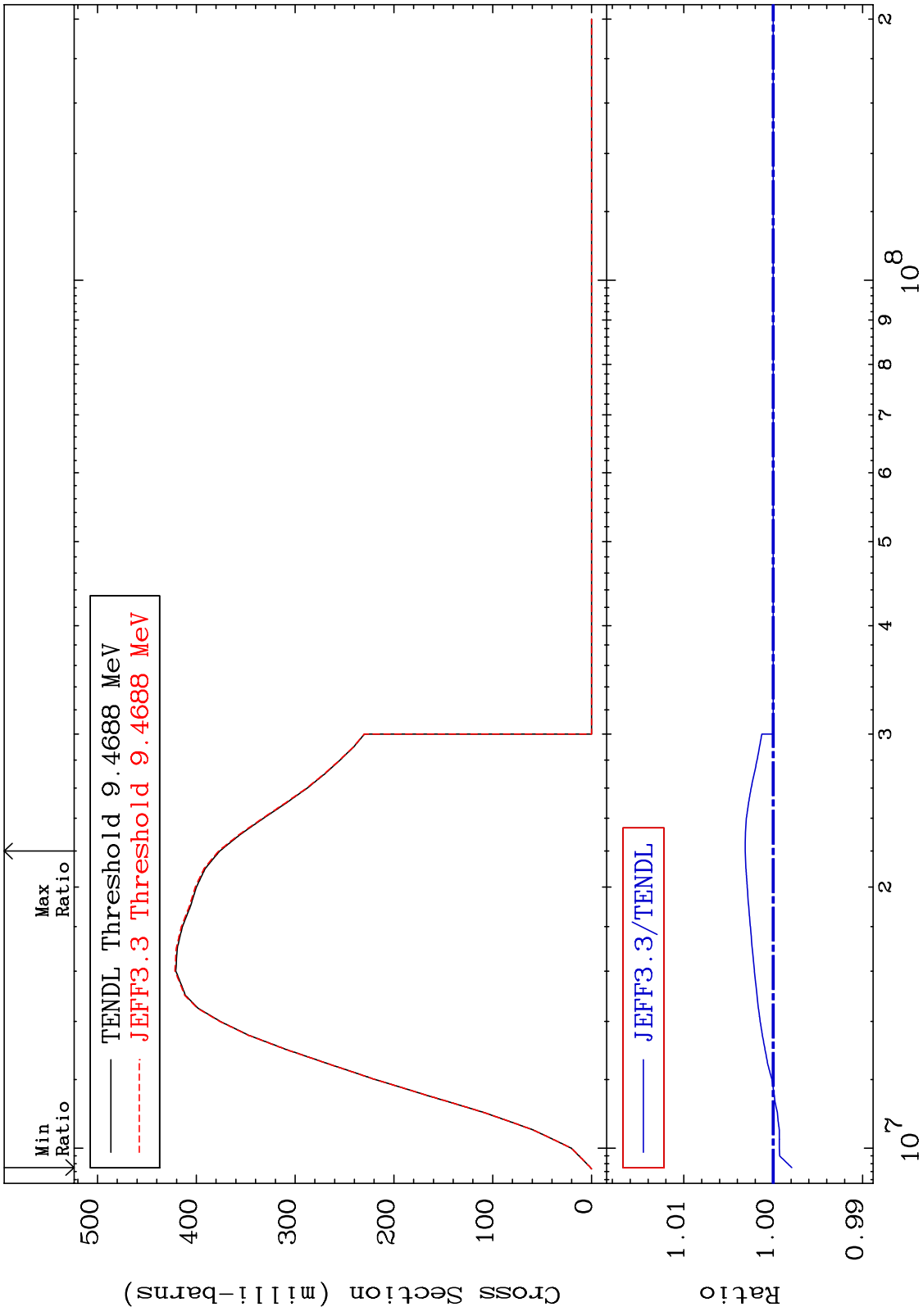


3 Incident Energy (eV) 26-Fe-55

MAT 2628 (n,2n) d 26-Fe-55
Cross Section 0.000 T₀ 0.458 %

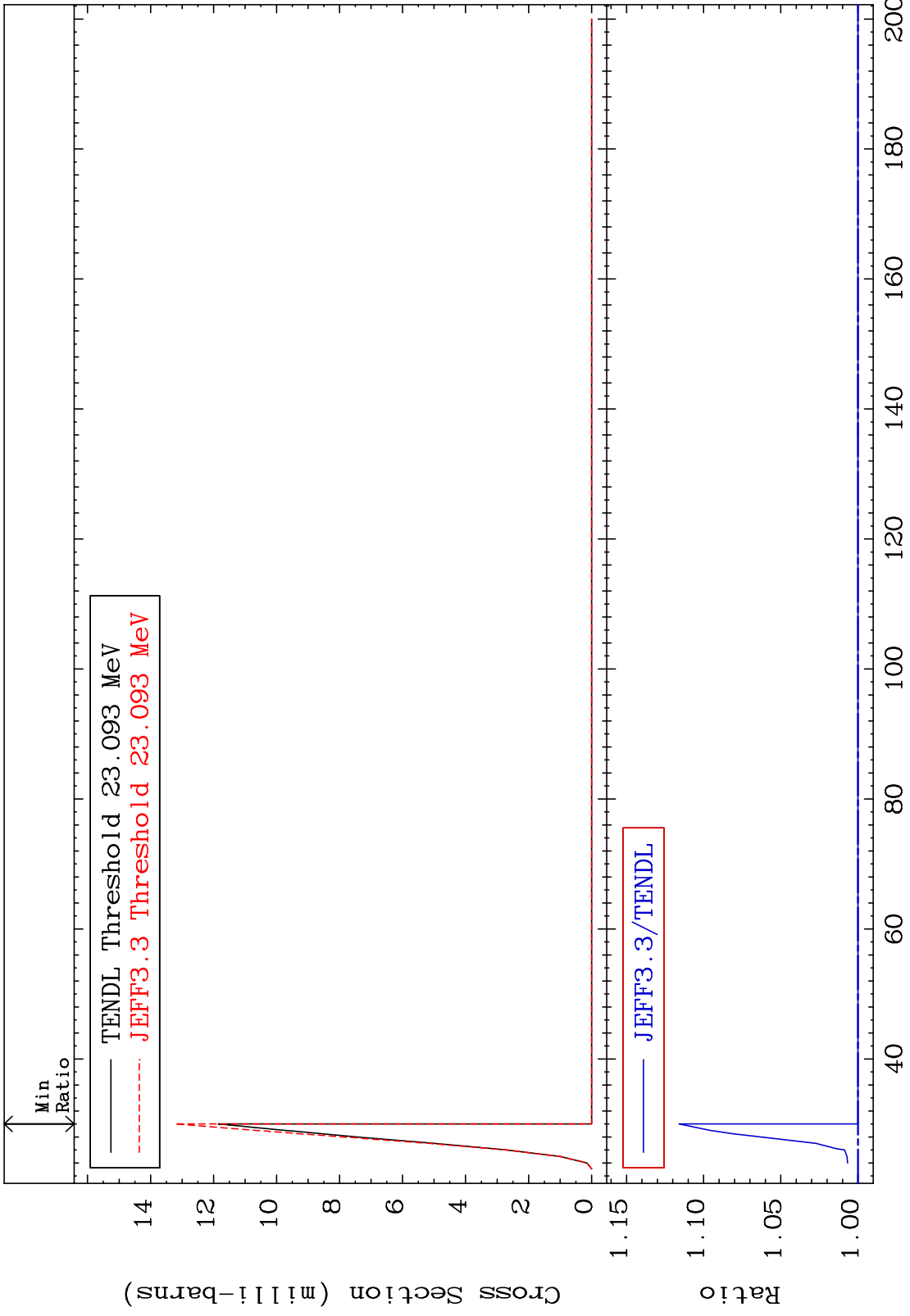


MAT 2628 (n,2n) Cross Section 26-Fe-55 -0.208 To 0.313 %

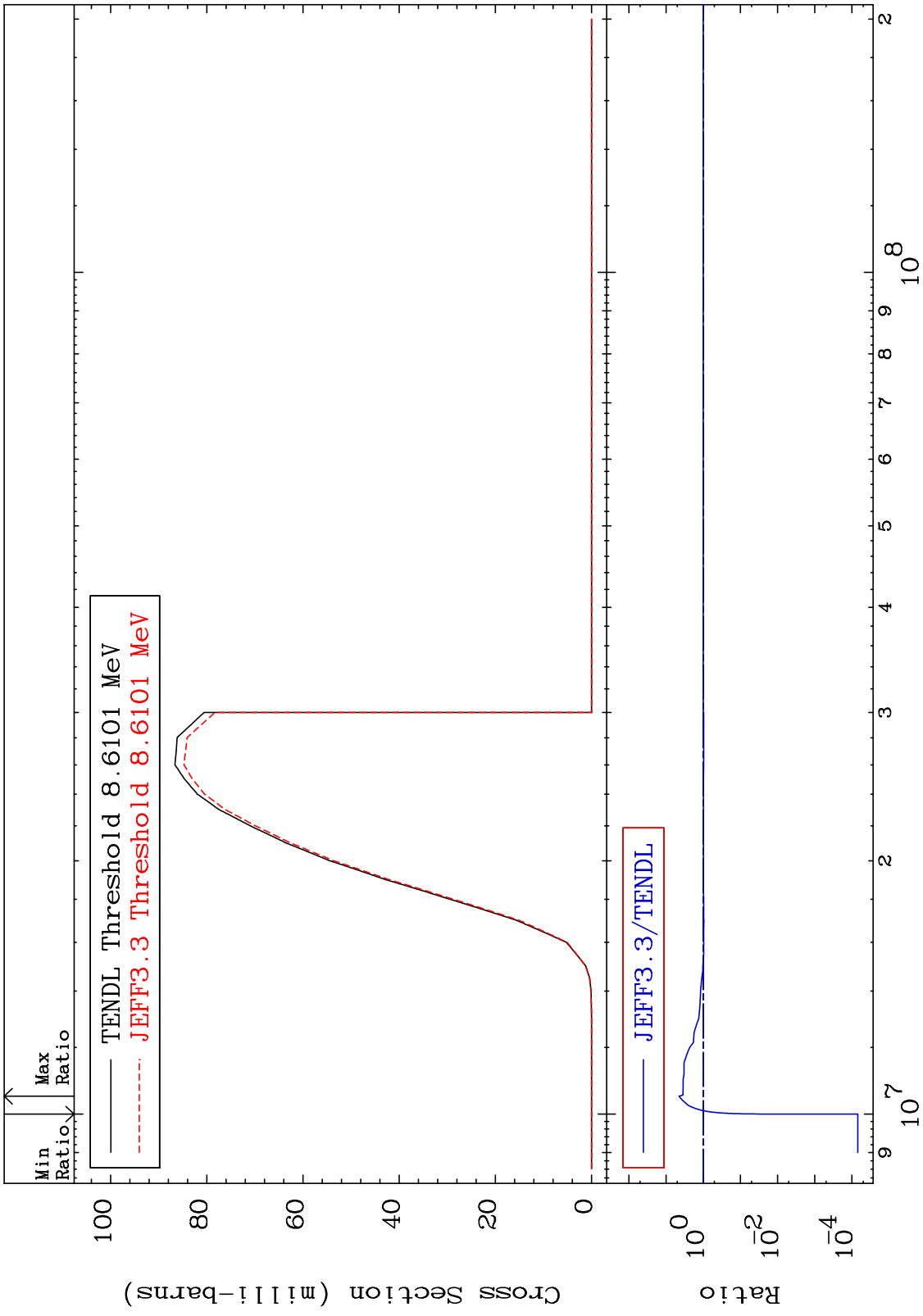


Incident Energy (eV) 26-Fe-55

MAT 2628 (n,3n) Cross Section 26-Fe-55 To 11.59 %

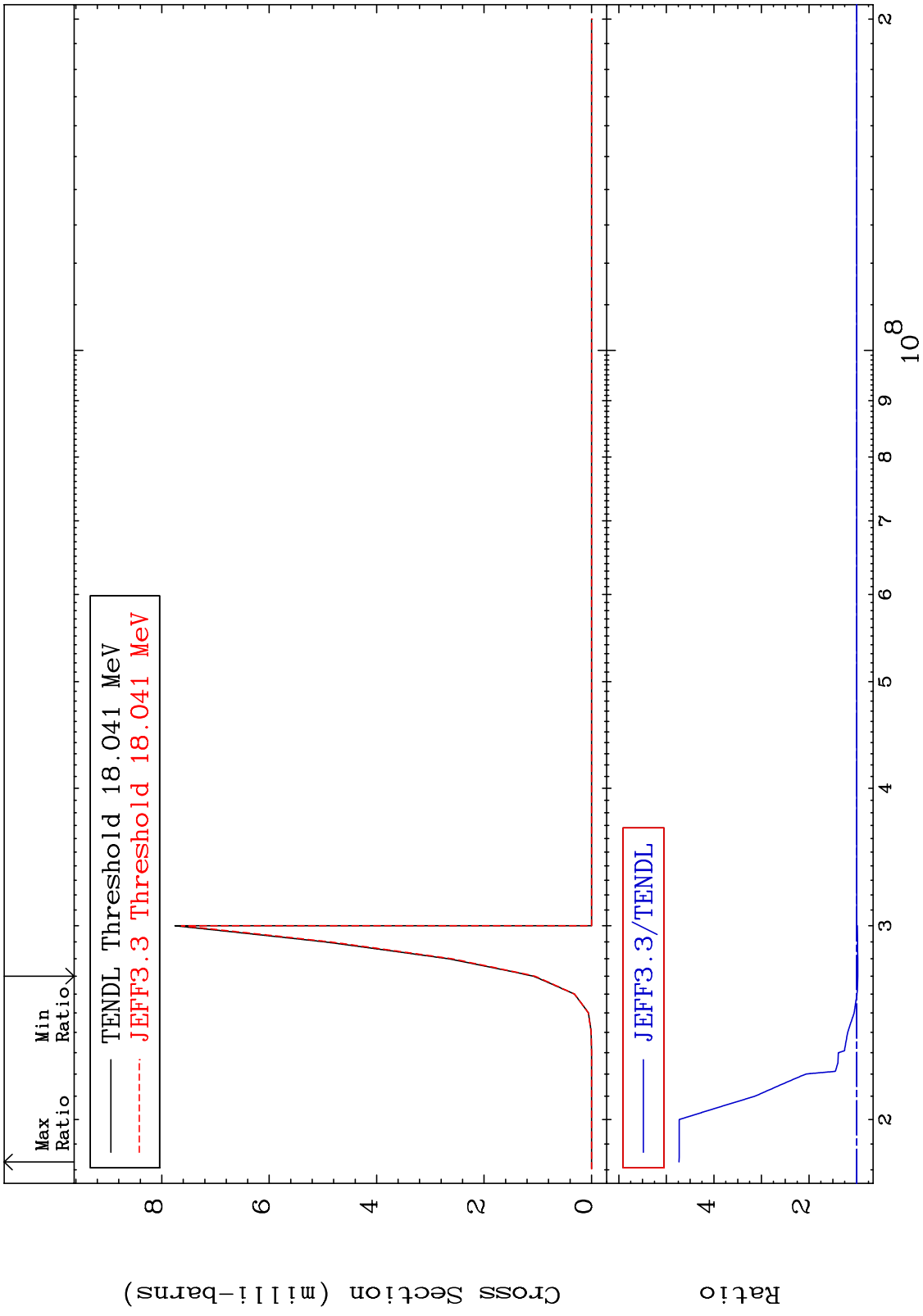


MAT 2628 $(n, n') \alpha$ $^{26}\text{Fe-55}$
 Cross Section -99.99 To 346.8 %



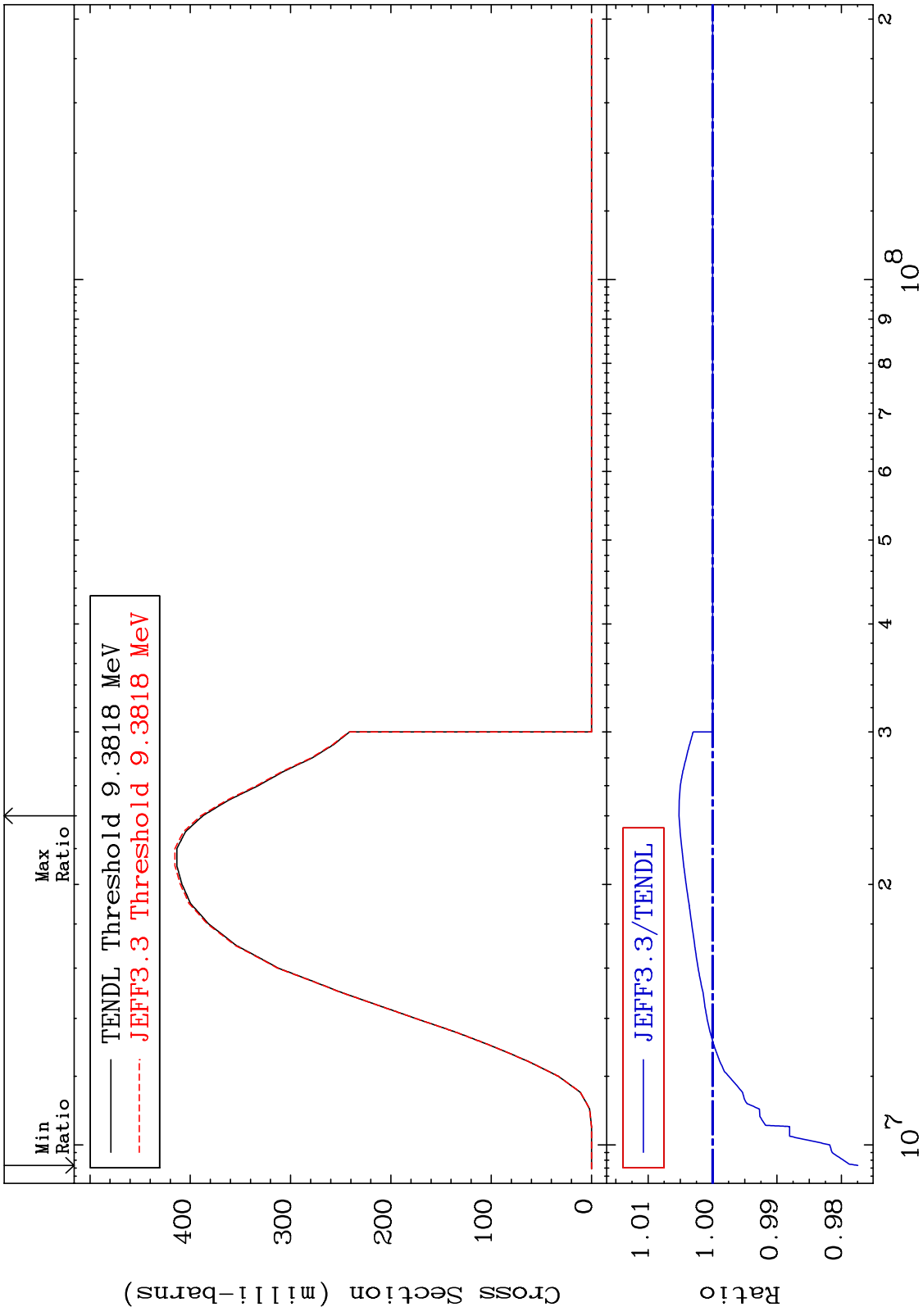
7 Incident Energy (eV) $^{26}\text{Fe-55}$

MAT 2628 (n,2n) α 26-Fe-55
Cross Section -2.585 To 373.3 %



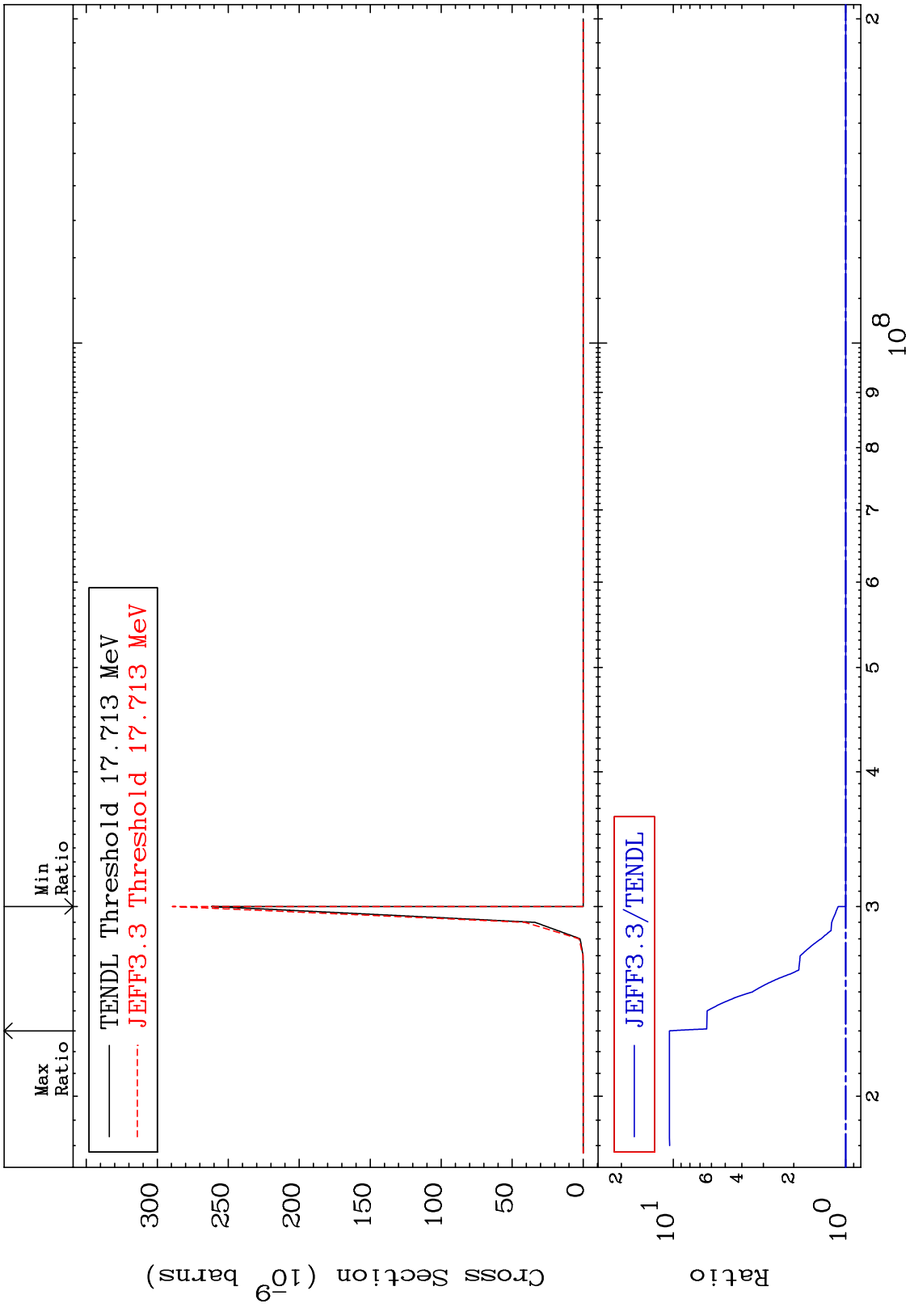
8 26-Fe-55

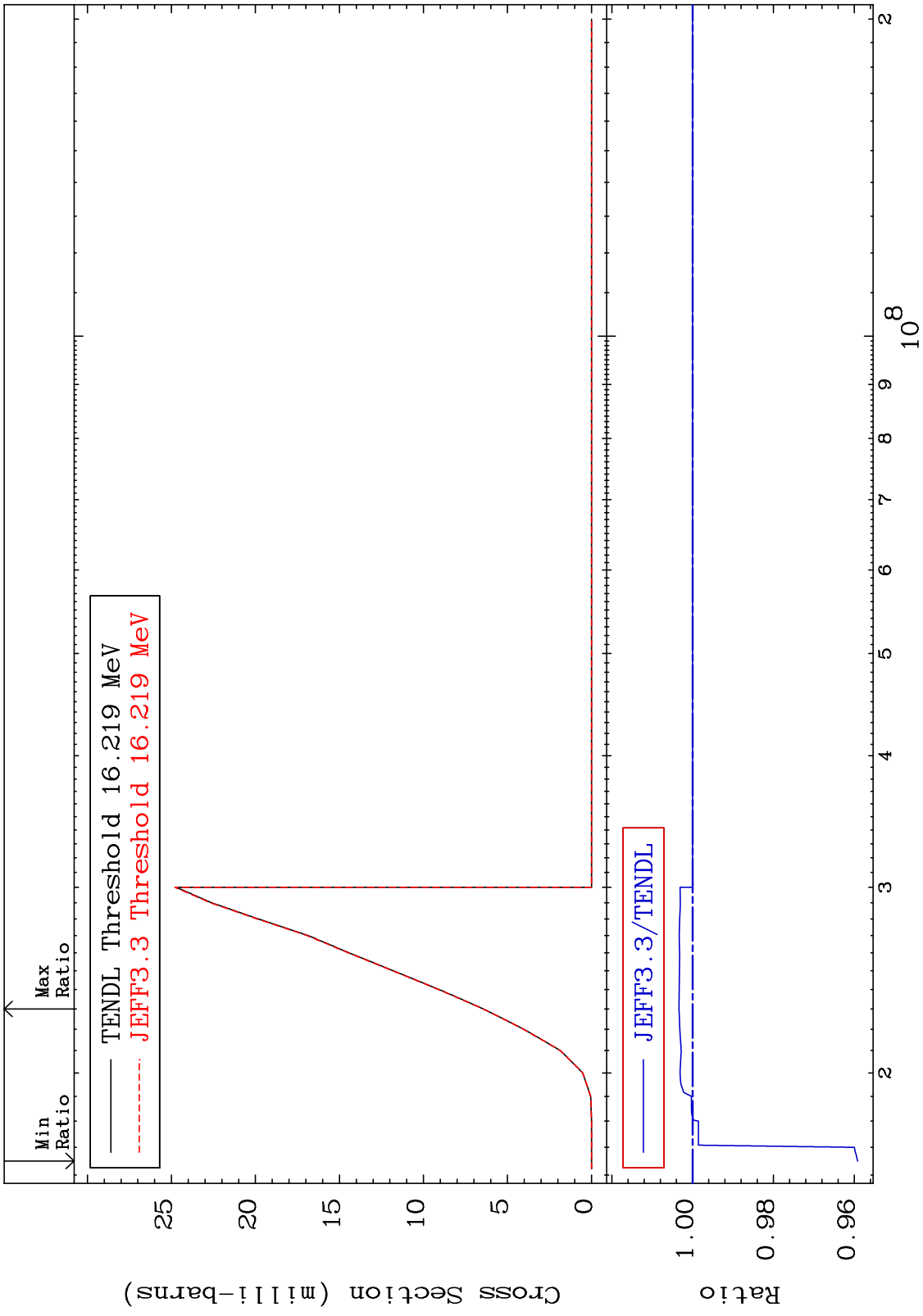
MAT 2628 (n, n') p $^{26}\text{Fe-55}$
 Cross Section -2.254 To 0.520 %



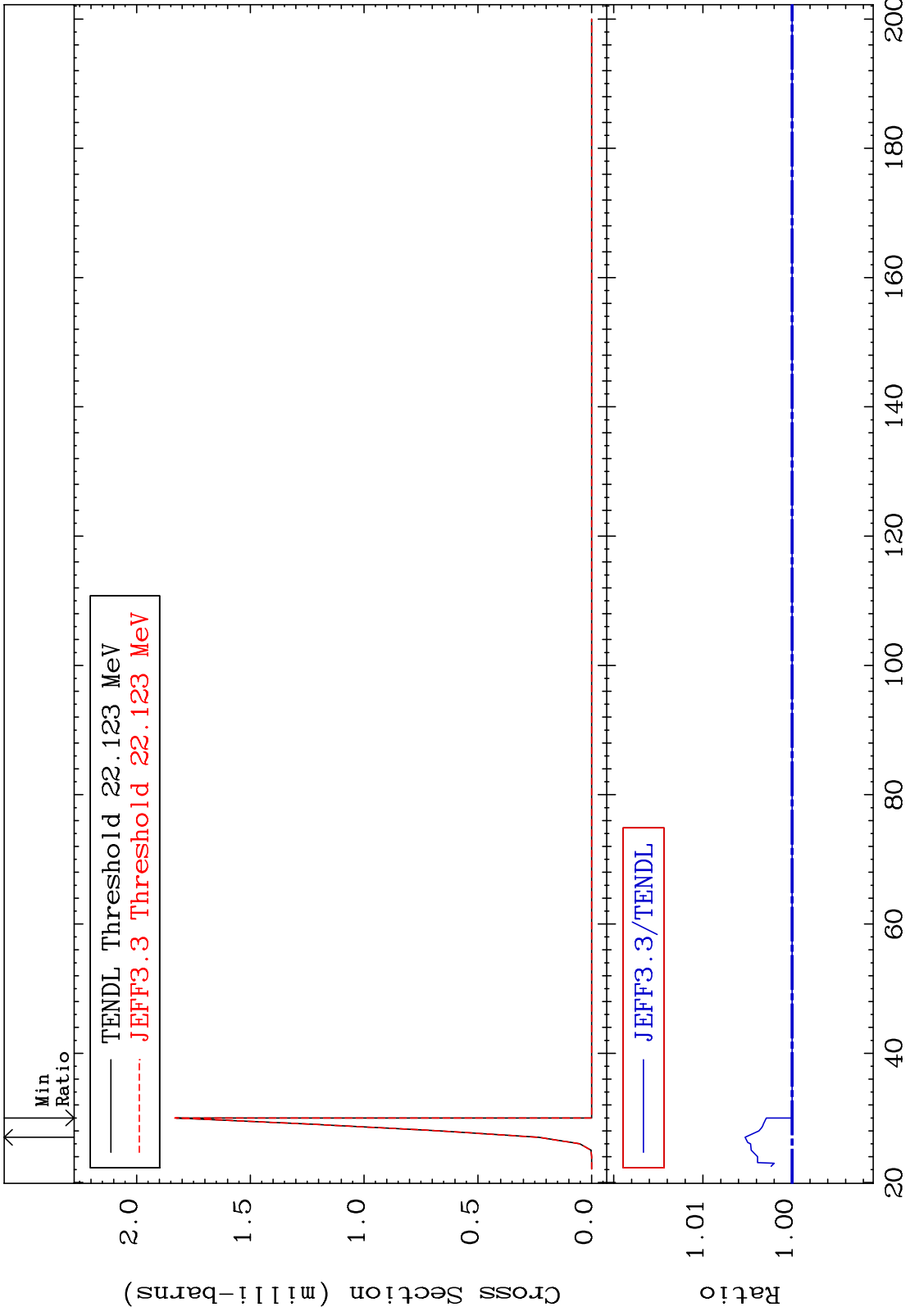
Incident Energy (eV) $^{26}\text{Fe-55}$

MAT 2628 (n,n') 2α Cross Section 26-Fe-55 To 951.2 %





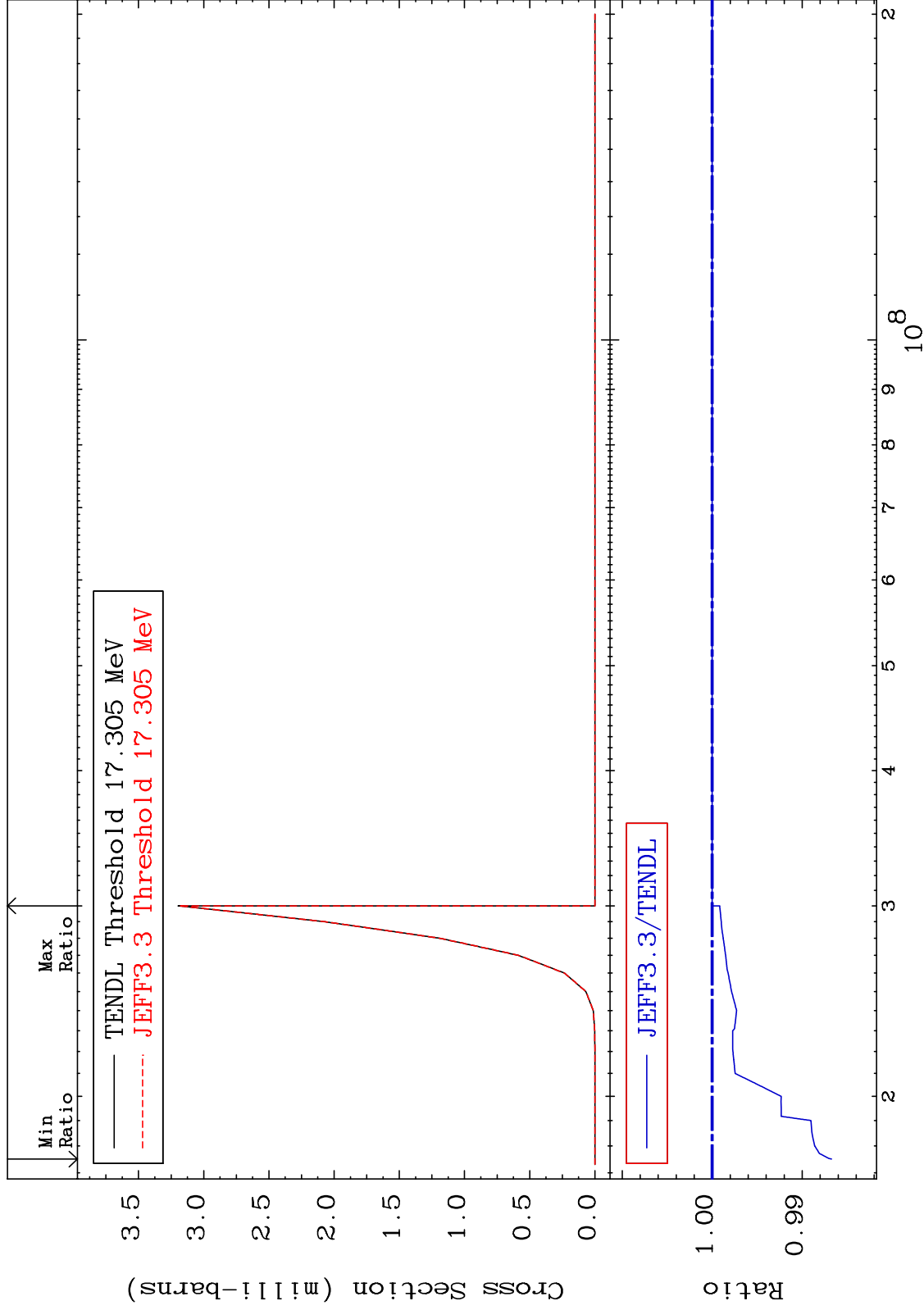
MAT 2628 (n,n') t 26-Fe-55
Cross Section 0.000 To 0.528 %

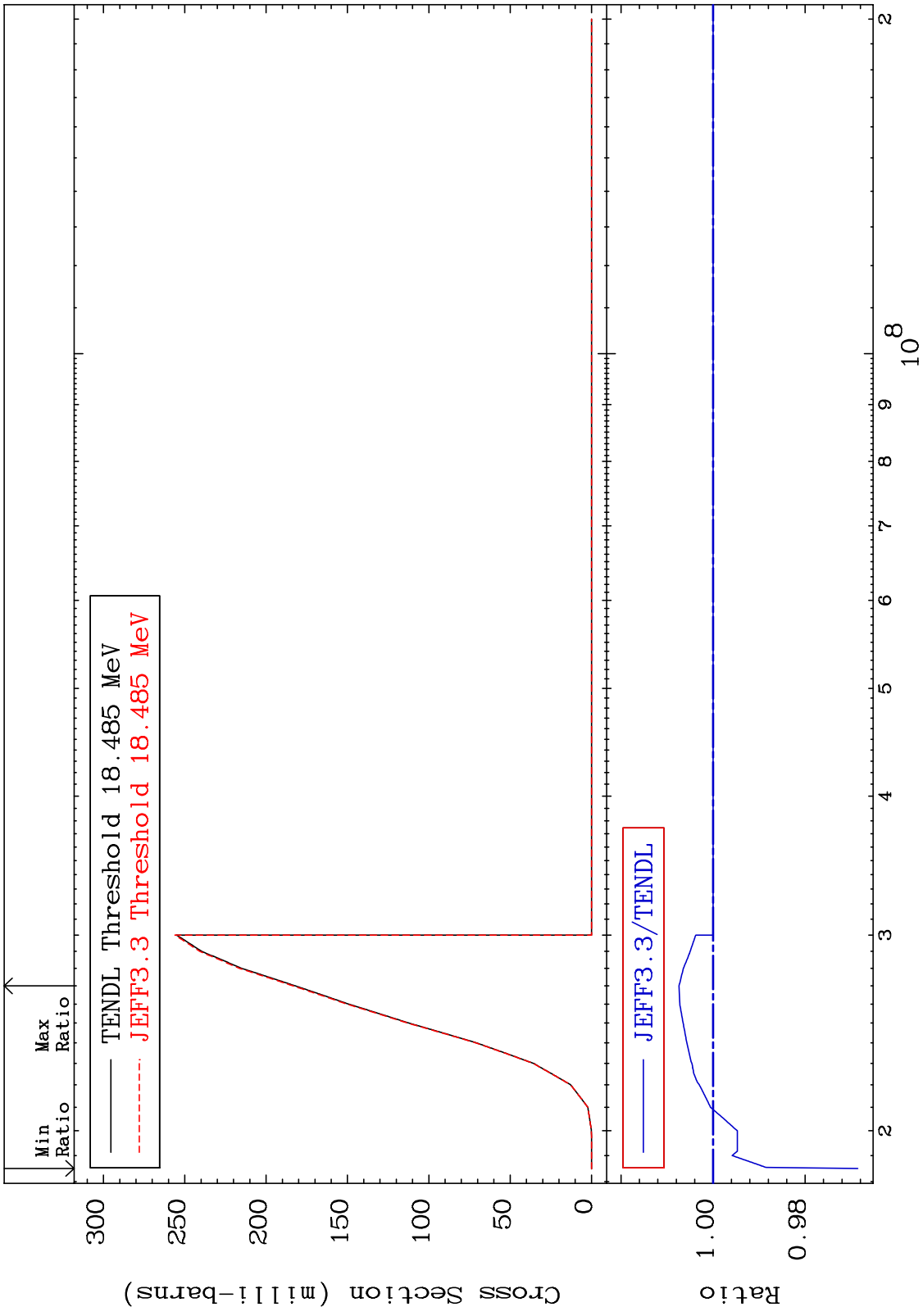


MAT 2628

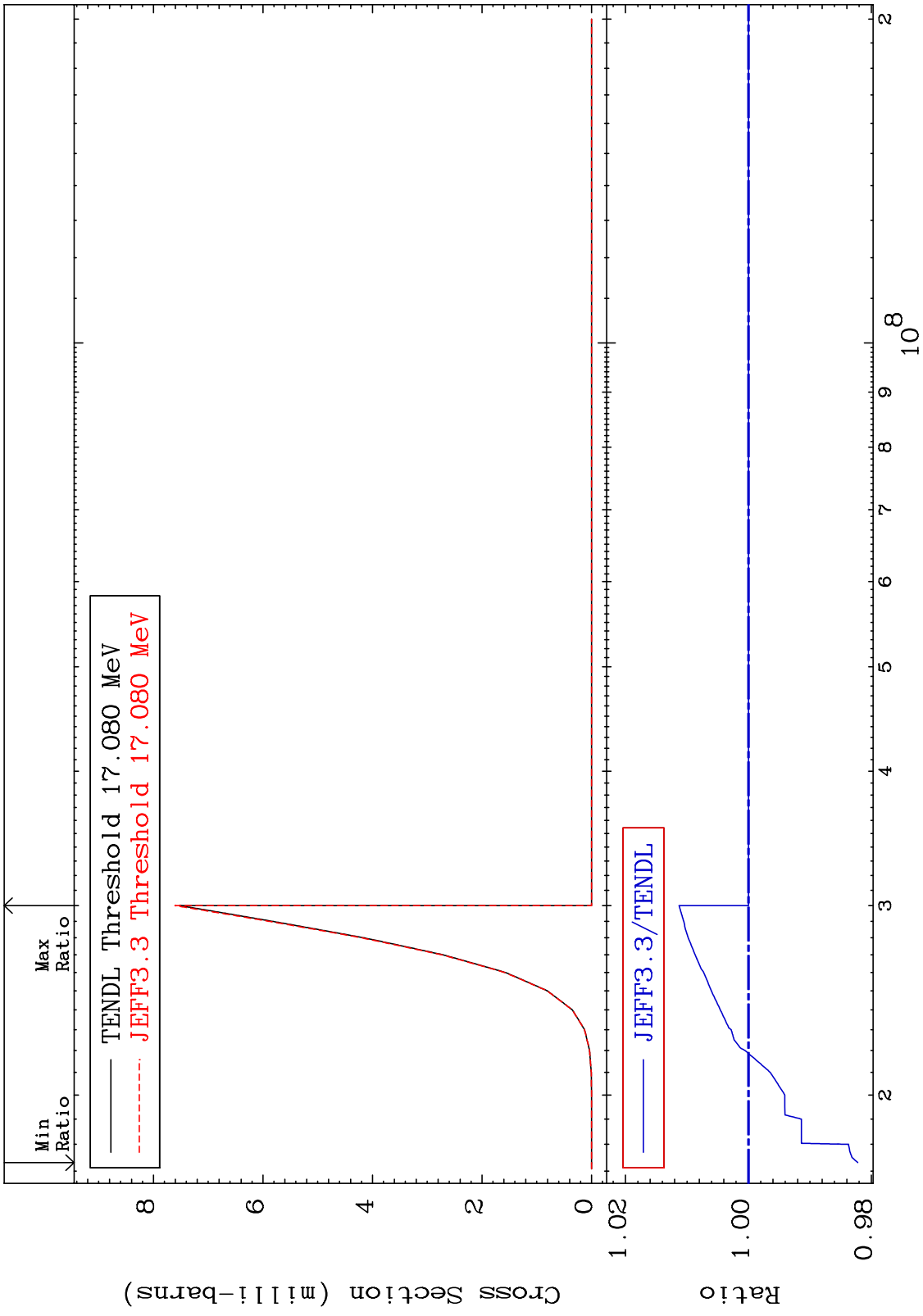
(n, n') He-3
Cross Section

26-Fe-55
-1.326 To 0.000 %



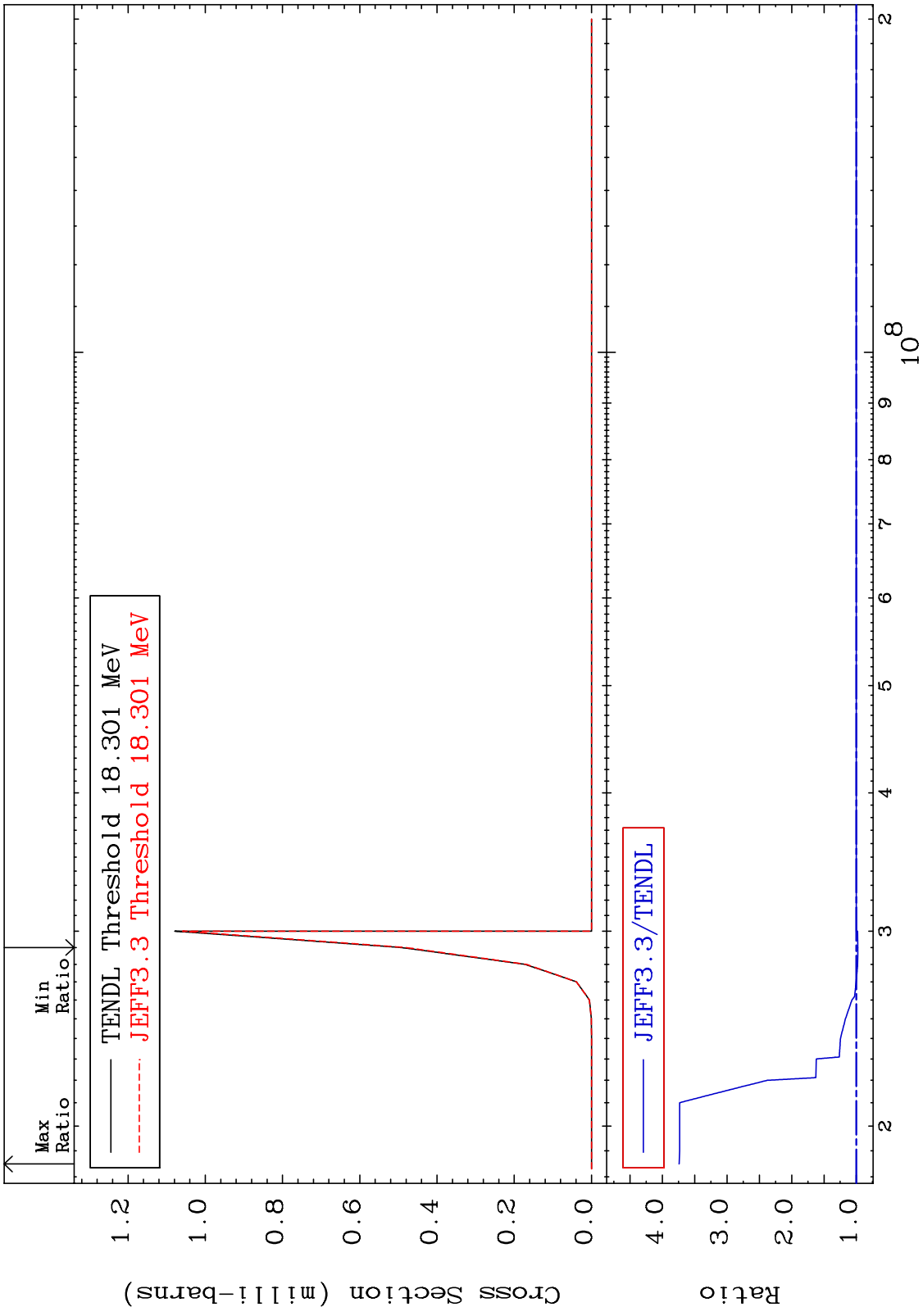


MAT 2628 (n,2n) p 26-Fe-55
 Cross Section -1.780 To 1.129 %

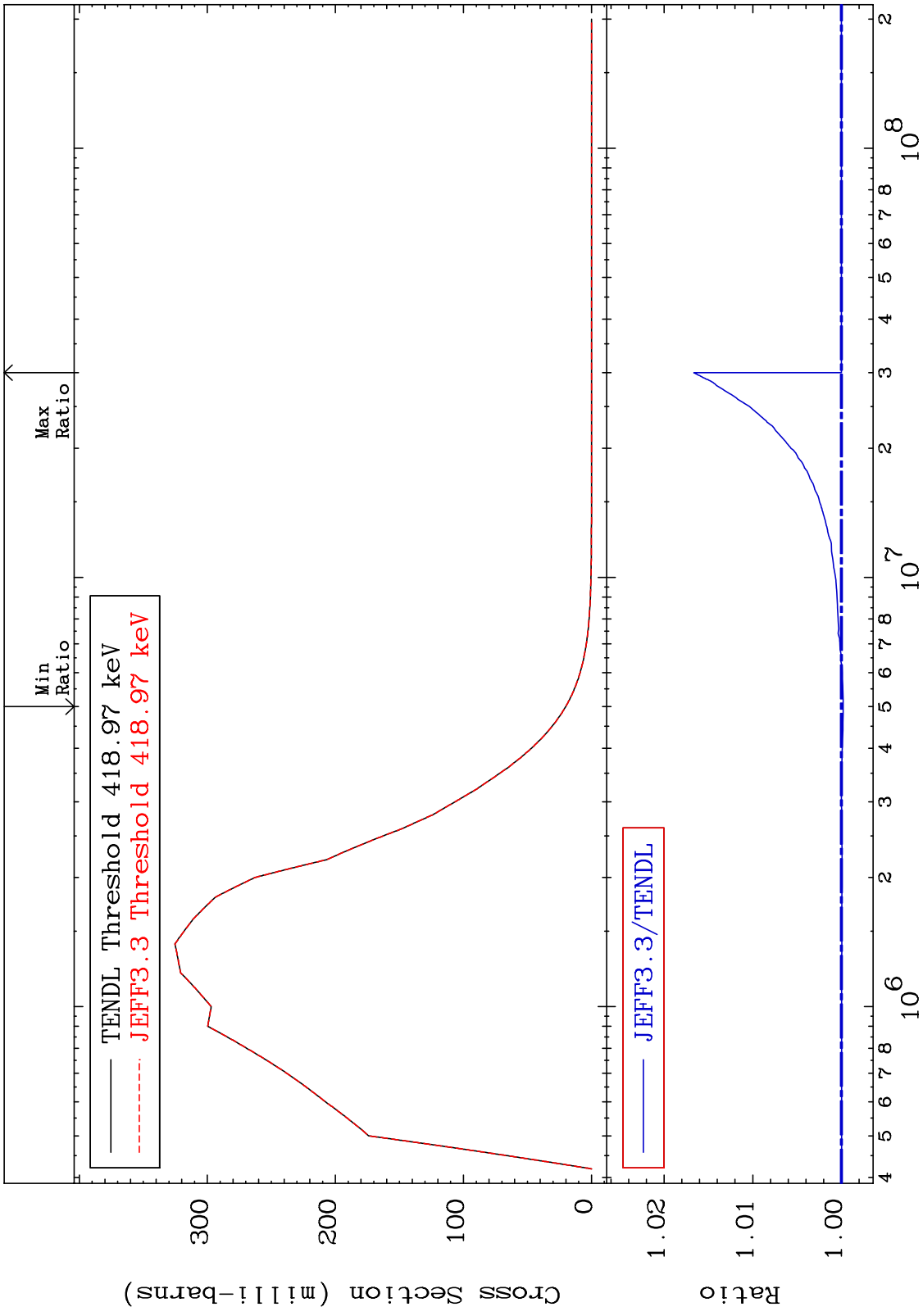


15 26-Fe-55 Incident Energy (eV)

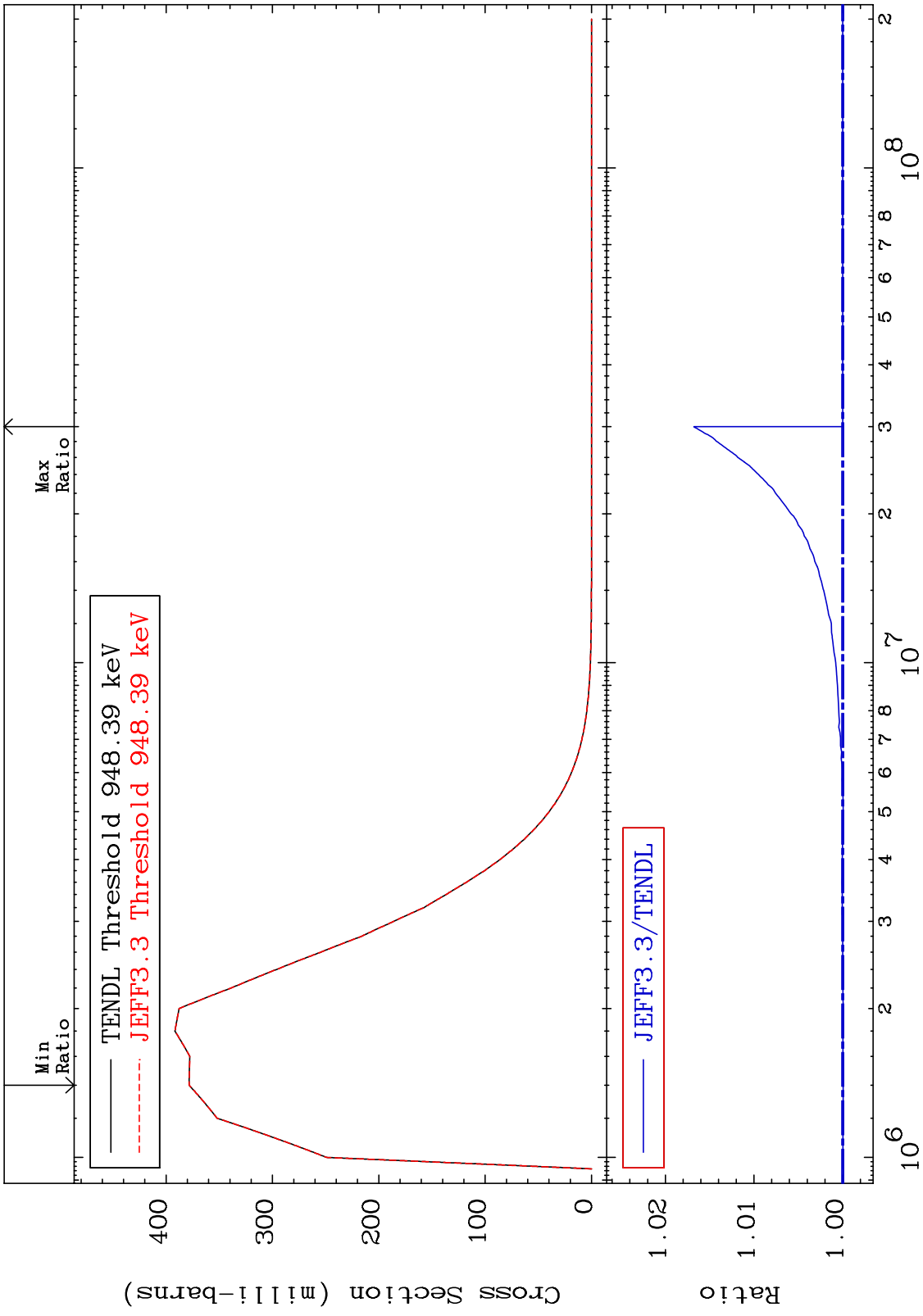
MAT 2628 (n,n') p α 26-Fe-55
 Cross Section -2.299 To 274.3 %



MAT 2628 MT= 51 (n,n') Level Cross Section -0.019 To 1.666 % 26-Fe-55

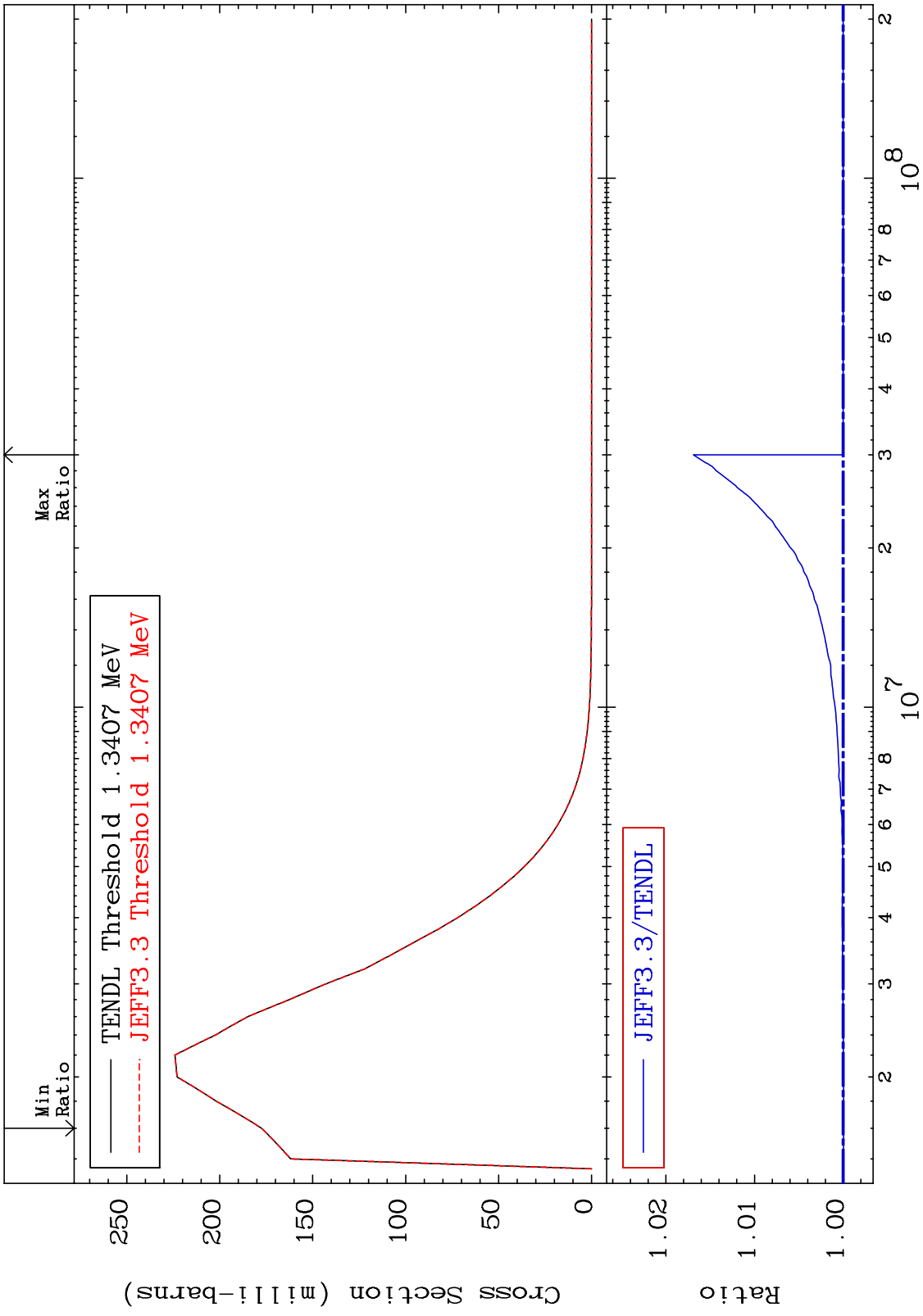


MAT 2628 MT= 52 (n,n') Level Cross Section 26-Fe-55 -0.005 To 1.679 %

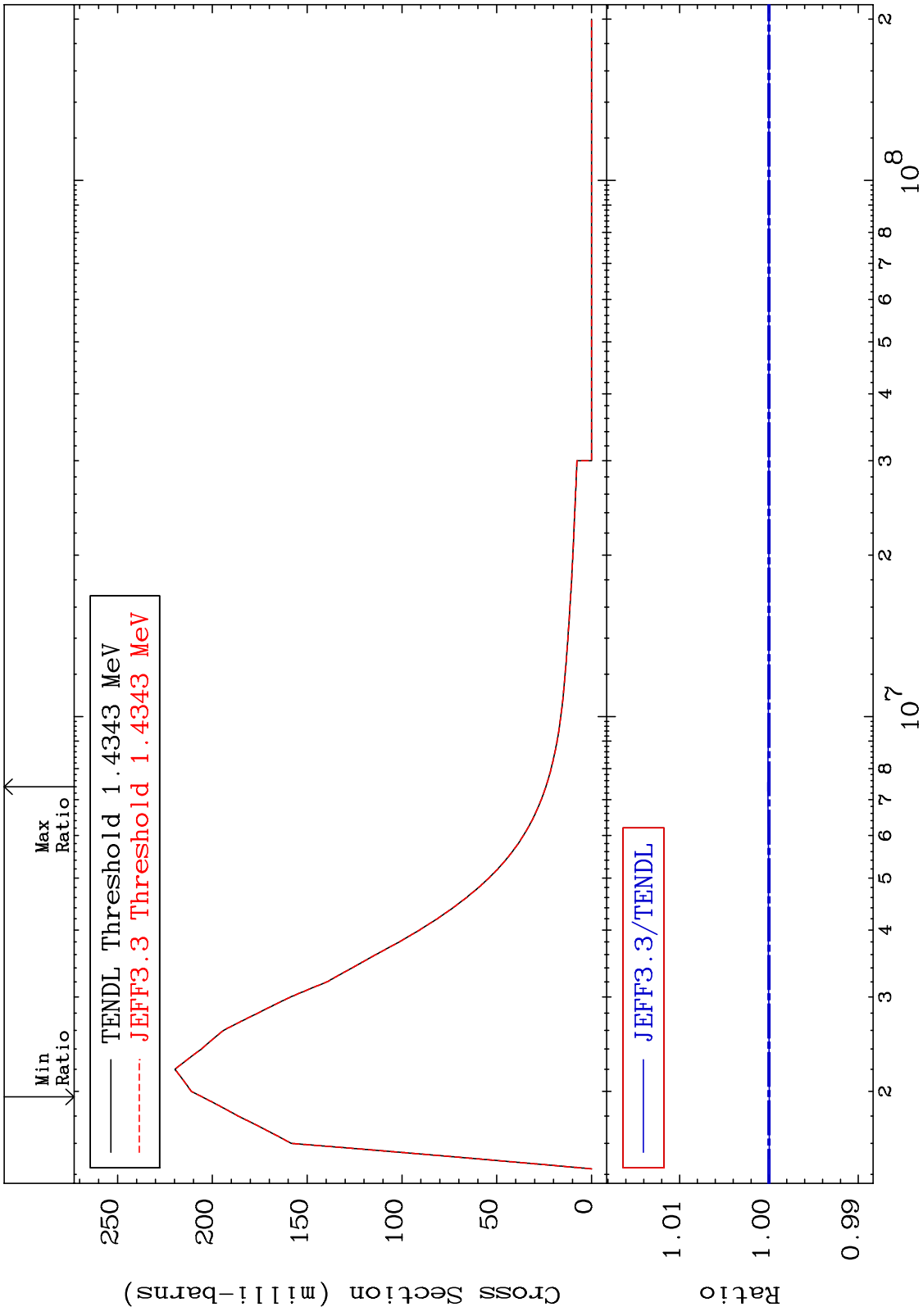


Incident Energy (eV) 26-Fe-55

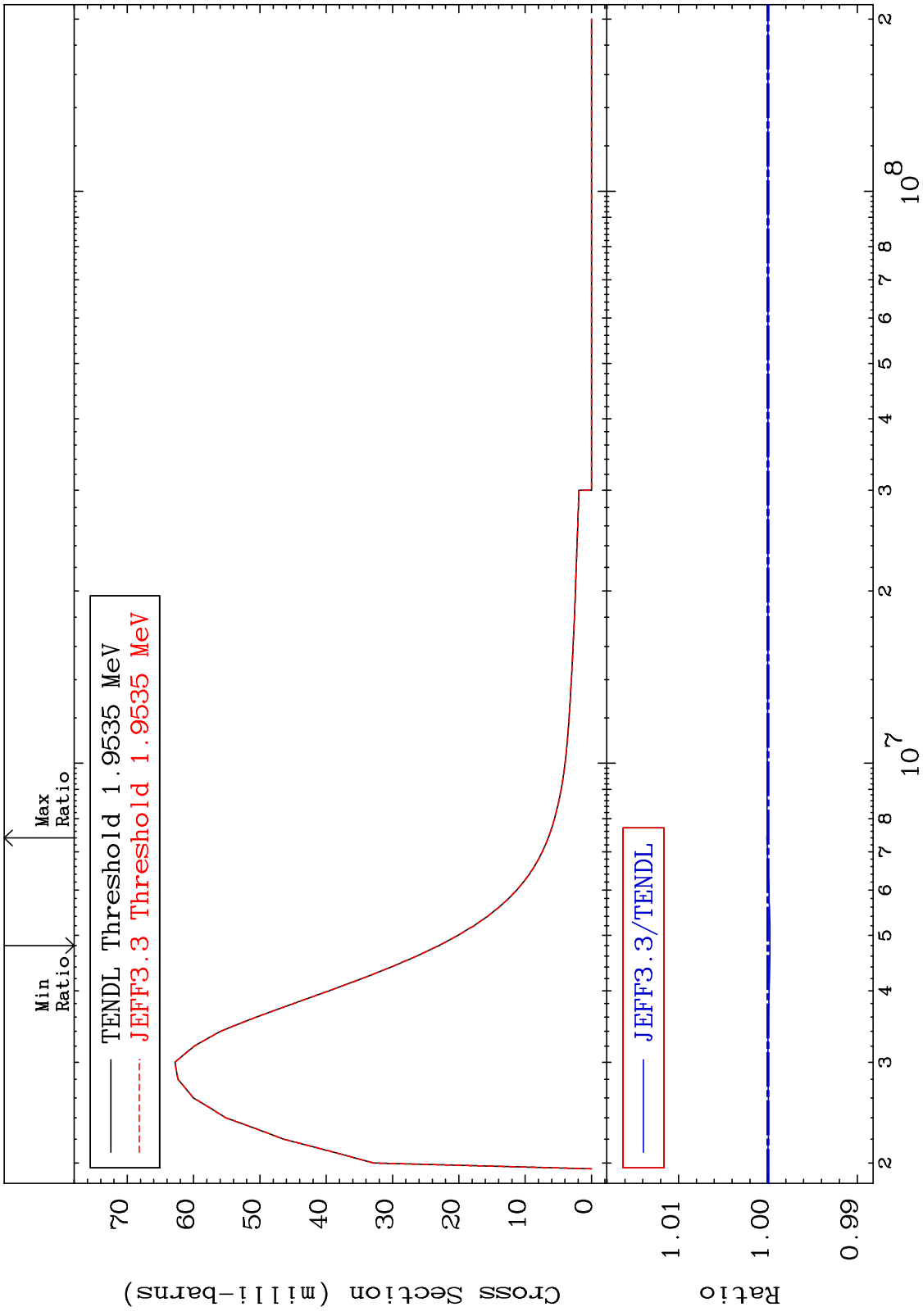
MAT 2628 MT= 53 (n,n') Level Cross Section 26-Fe-55
 -0.005 To 1.690 %



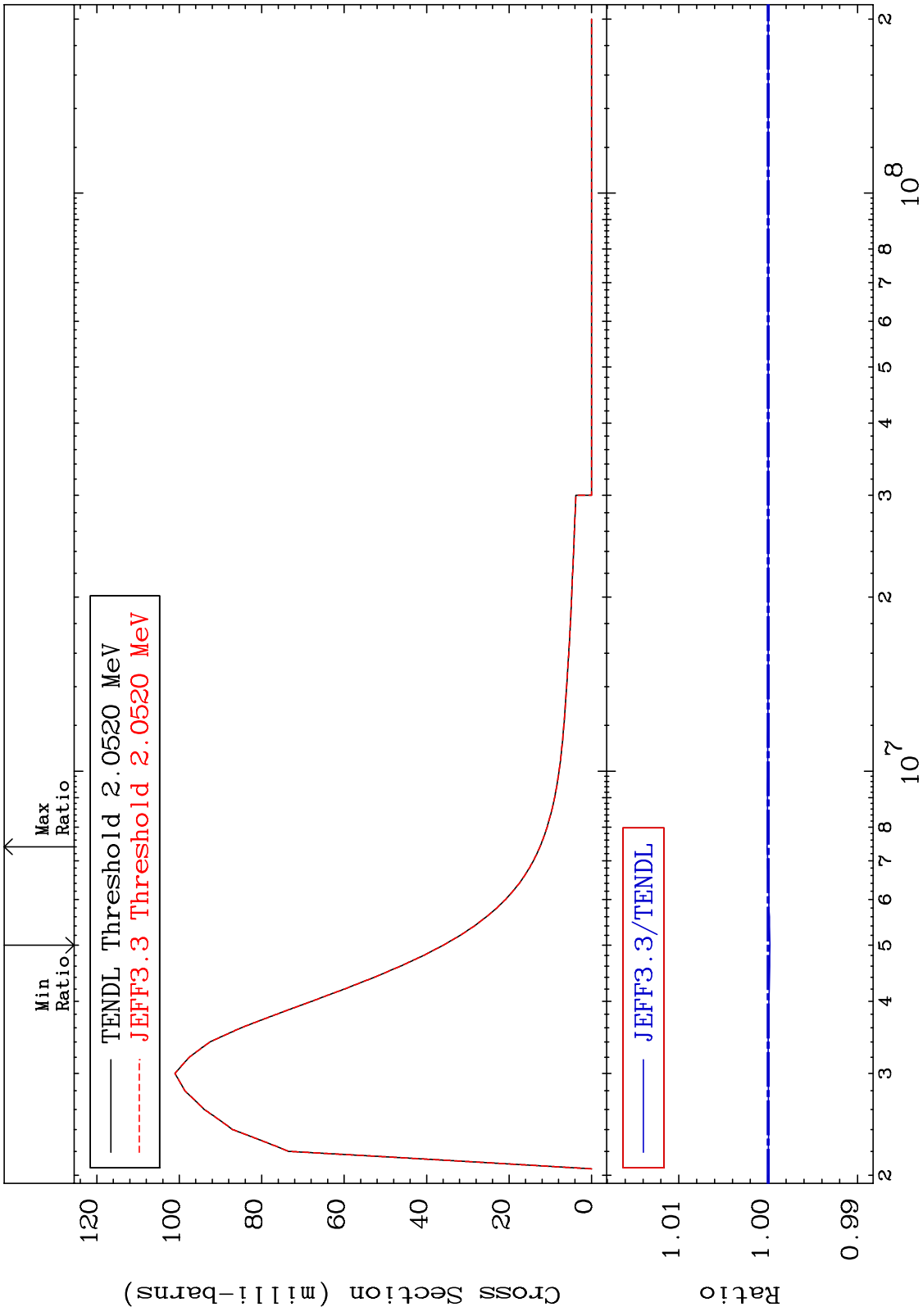
MAT 2628 MT= 54 (n,n') Level Cross Section 26-Fe-55
 -0.004 To 0.015 %



MAT 2628 MT= 55 (n,n') Level Cross Section 26-Fe-55
 -0.023 To 0.012 %

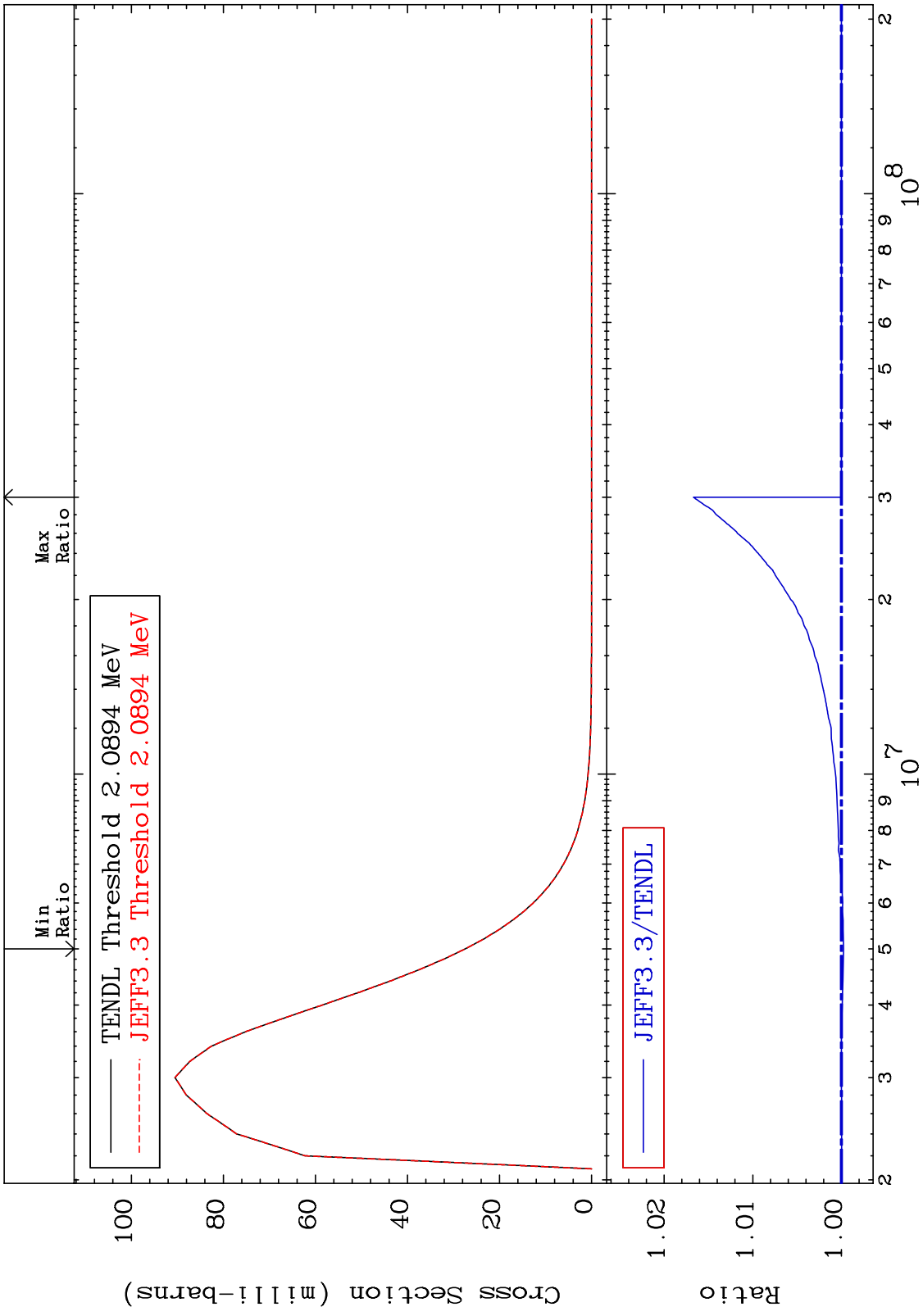


MAT 2628 MT= 56 (n,n') Level Cross Section 26-Fe-55 -0.018 To 0.013 %

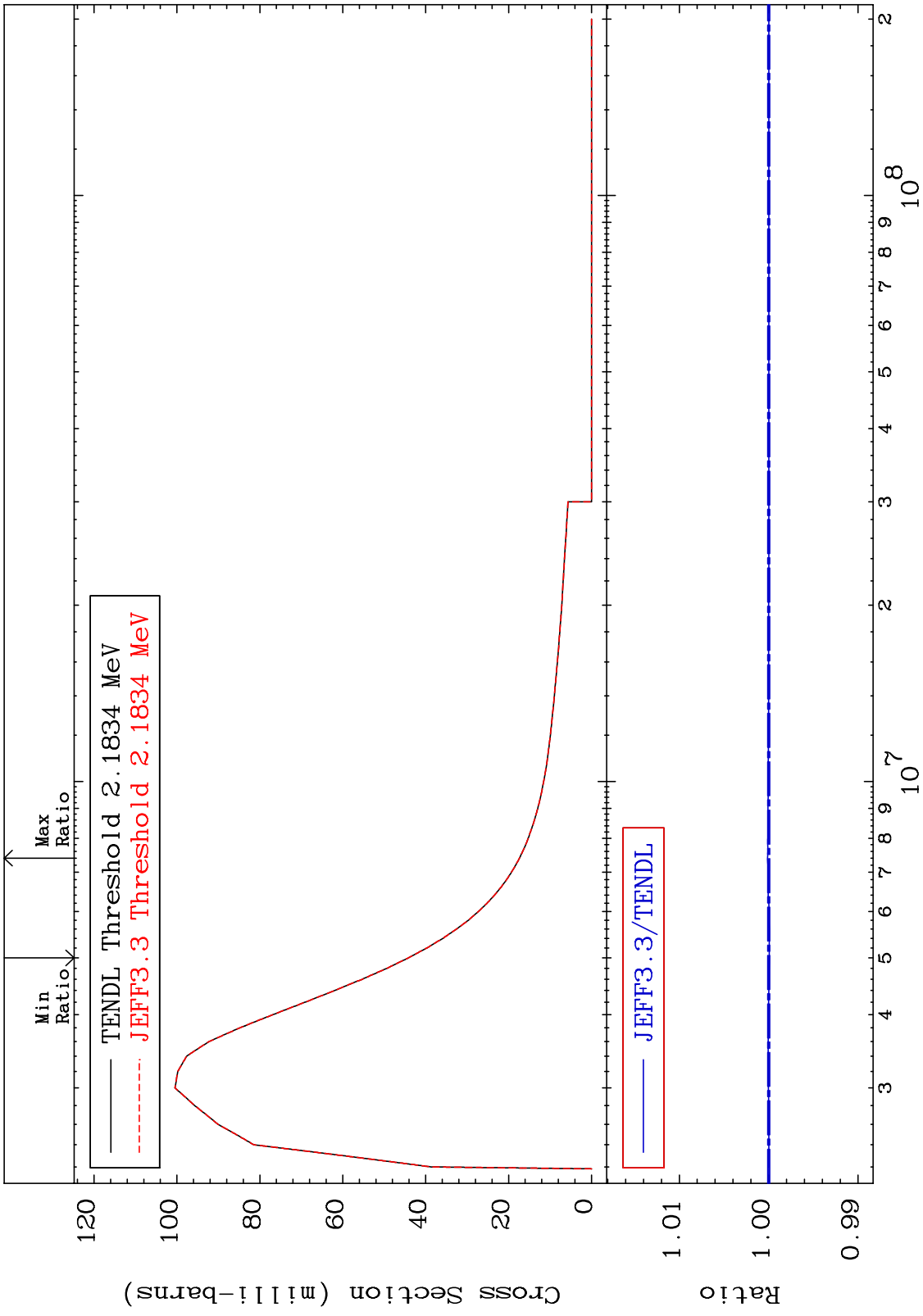


22 26-Fe-55

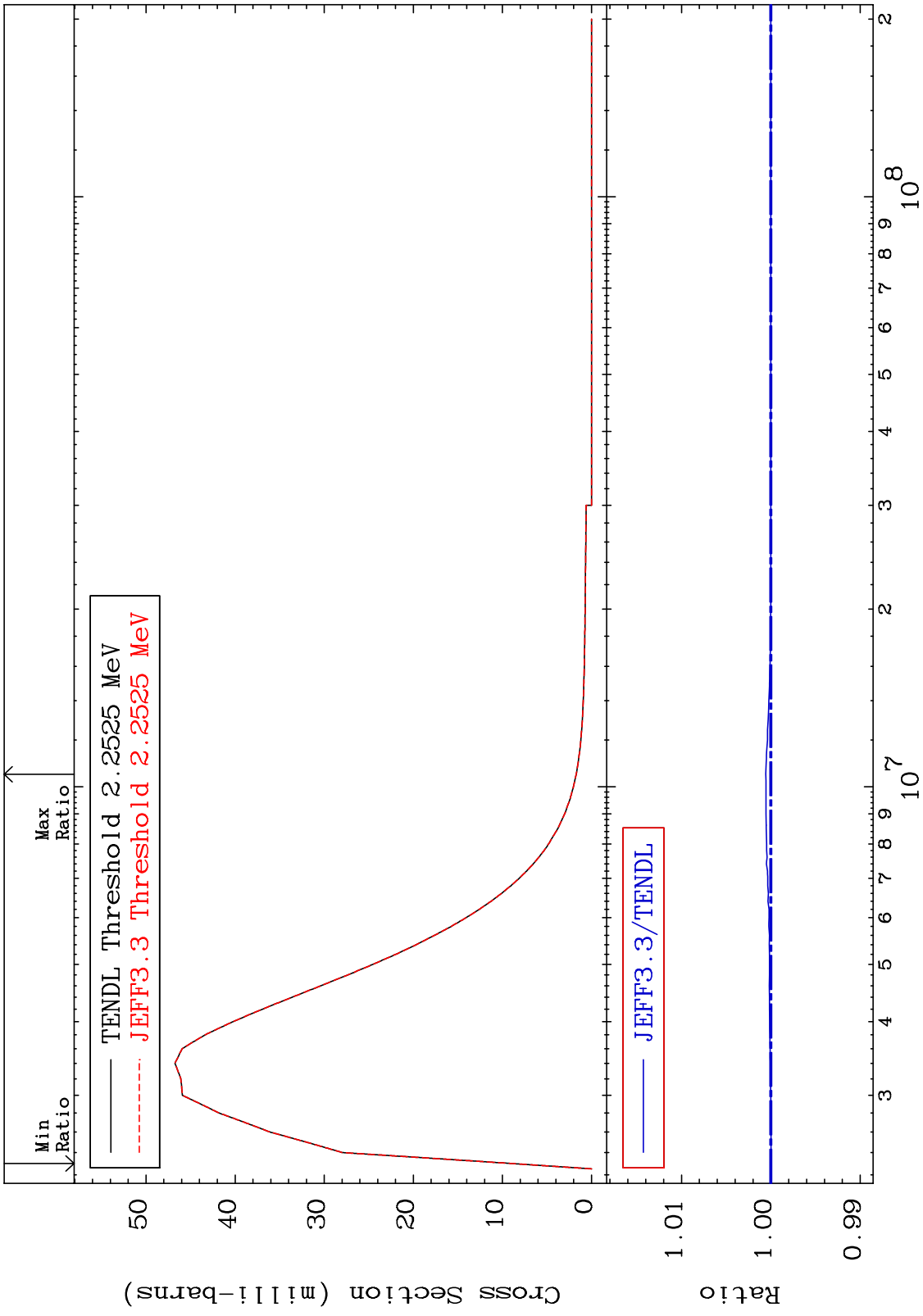
MAT 2628 MT= 57 (n,n') Level Cross Section -0.023 To 1.670 % 26-Fe-55



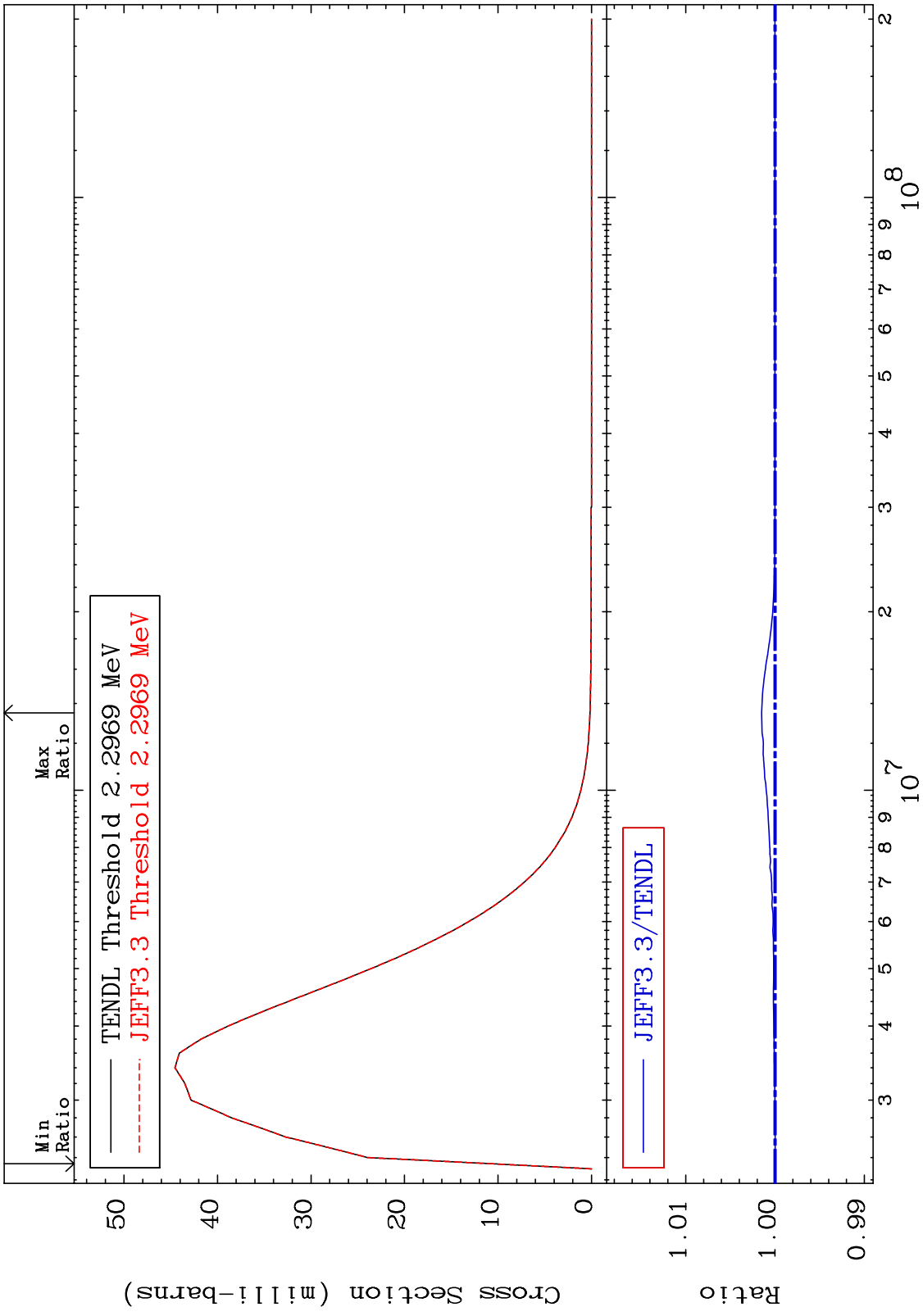
MAT 2628 MT= 58 (n,n') Level Cross Section 26-Fe-55
 -0.006 To 0.013 %



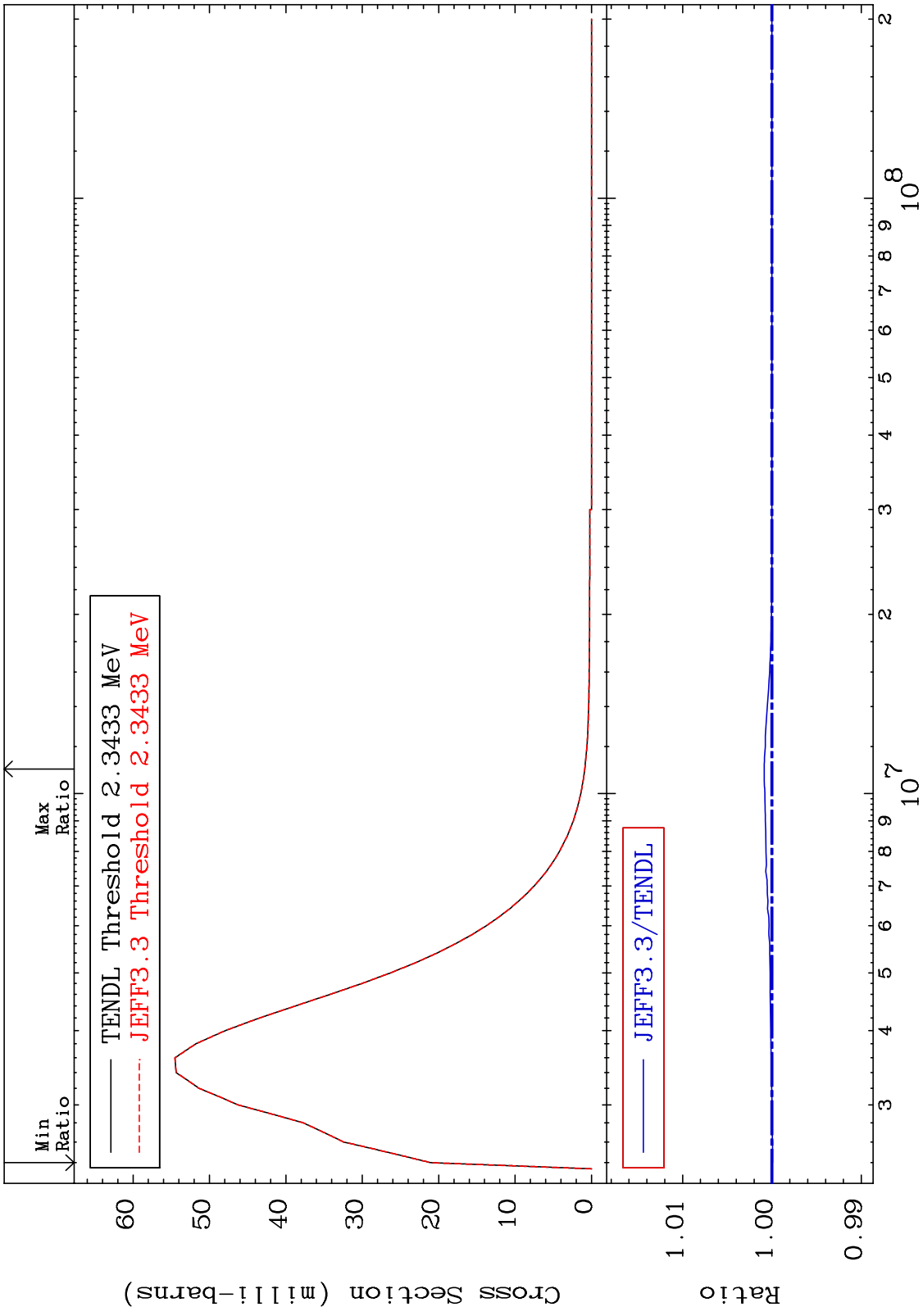
MAT 2628 MT= 59 (n,n') Level Cross Section 26-Fe-55
-0.002 To 0.057 %



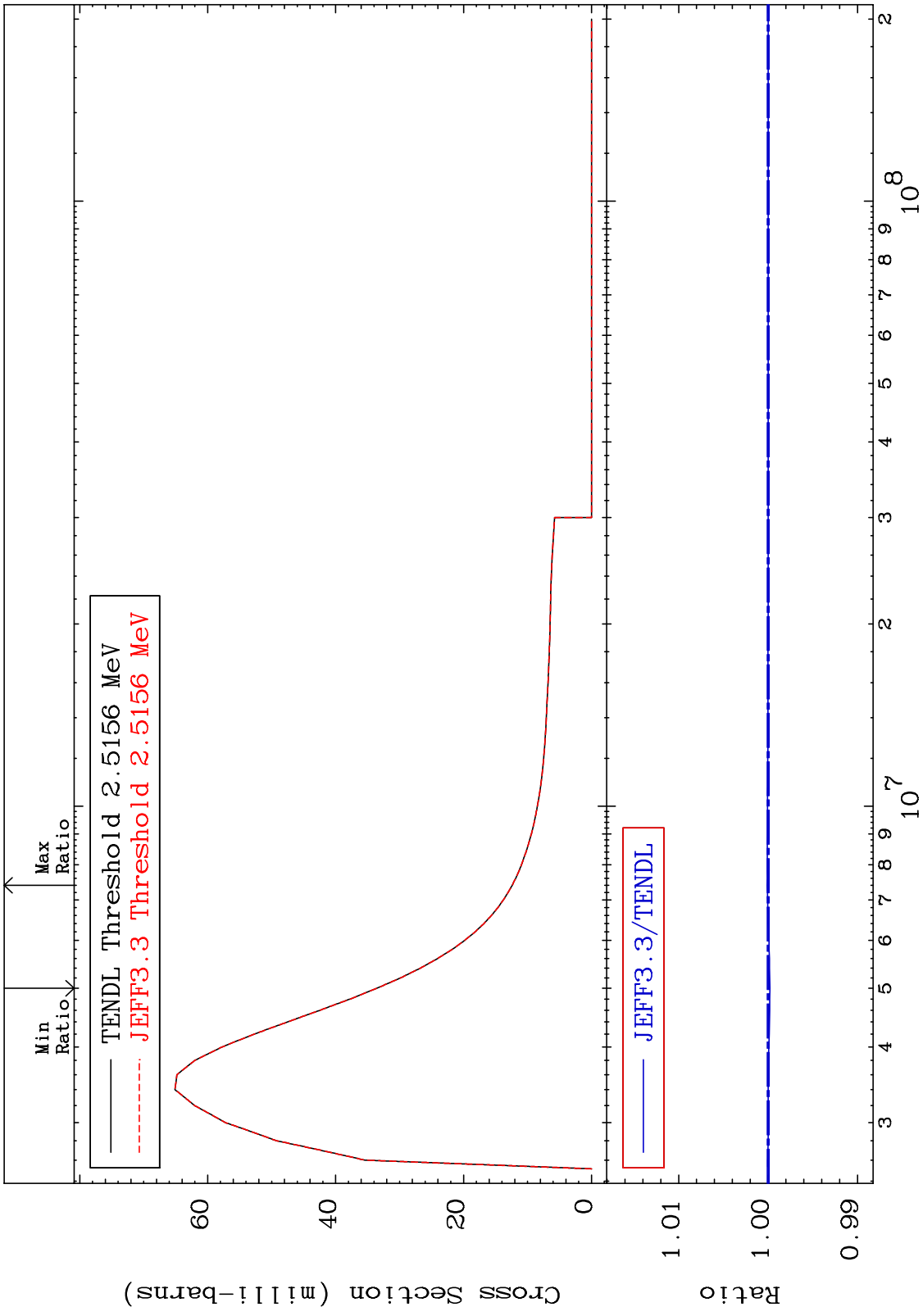
MAT 2628 MT= 60 (n,n') Level Cross Section 26-Fe-55
 -0.002 To 0.149 %



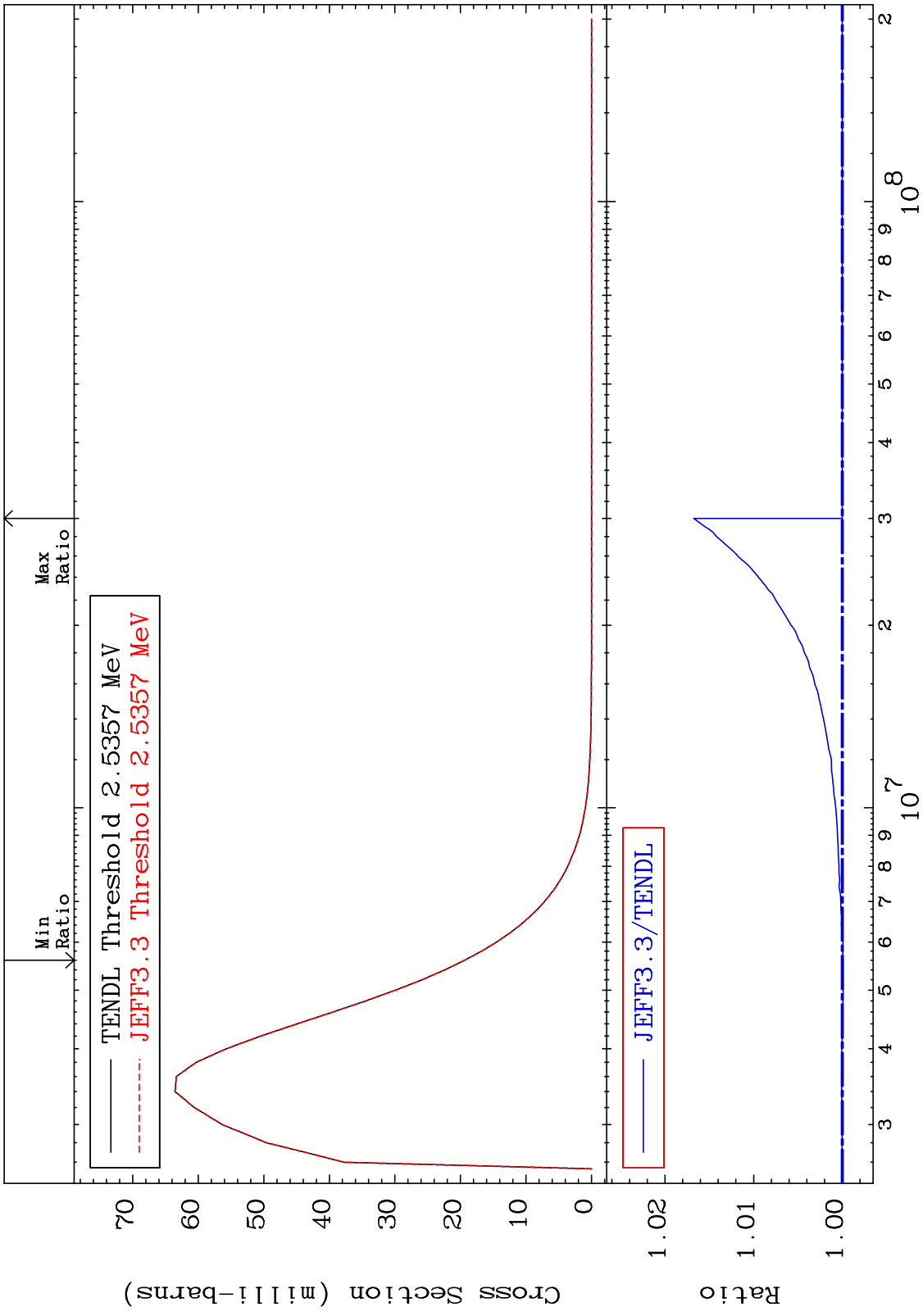
MAT 2628 MT= 61 (n,n') Level Cross Section 26-Fe-55
 -0.008 To 0.086 %



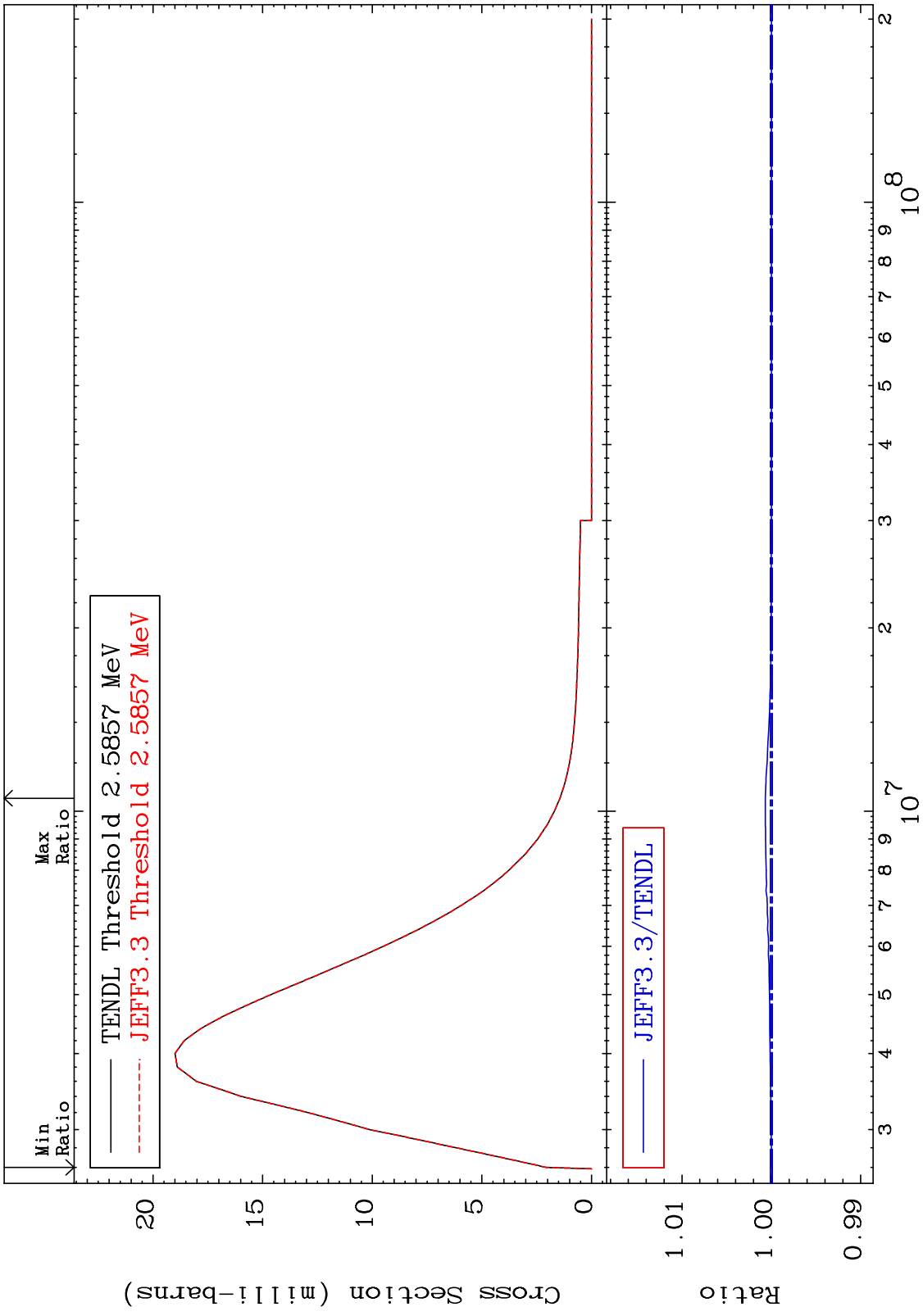
MAT 2628 MT= 62 (n,n') Level Cross Section 26-Fe-55
 -0.019 To 0.011 %



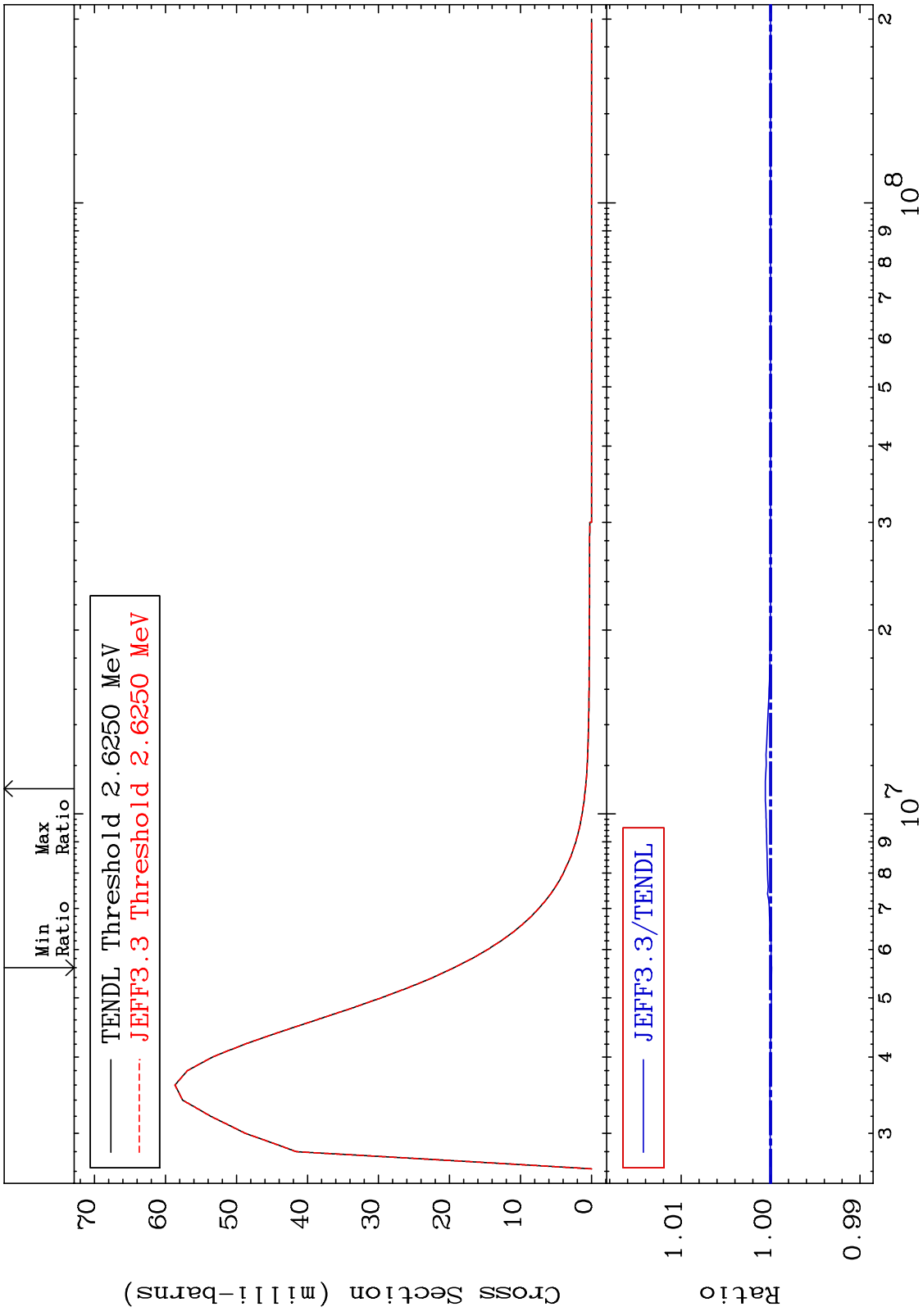
MAT 2628 MT= 63 (n,n') Level Cross Section -0.010 To 1.677 % 26-Fe-55



MAT 2628 MT= 64 (n,n') Level Cross Section 26-Fe-55
 -0.002 To 0.067 %

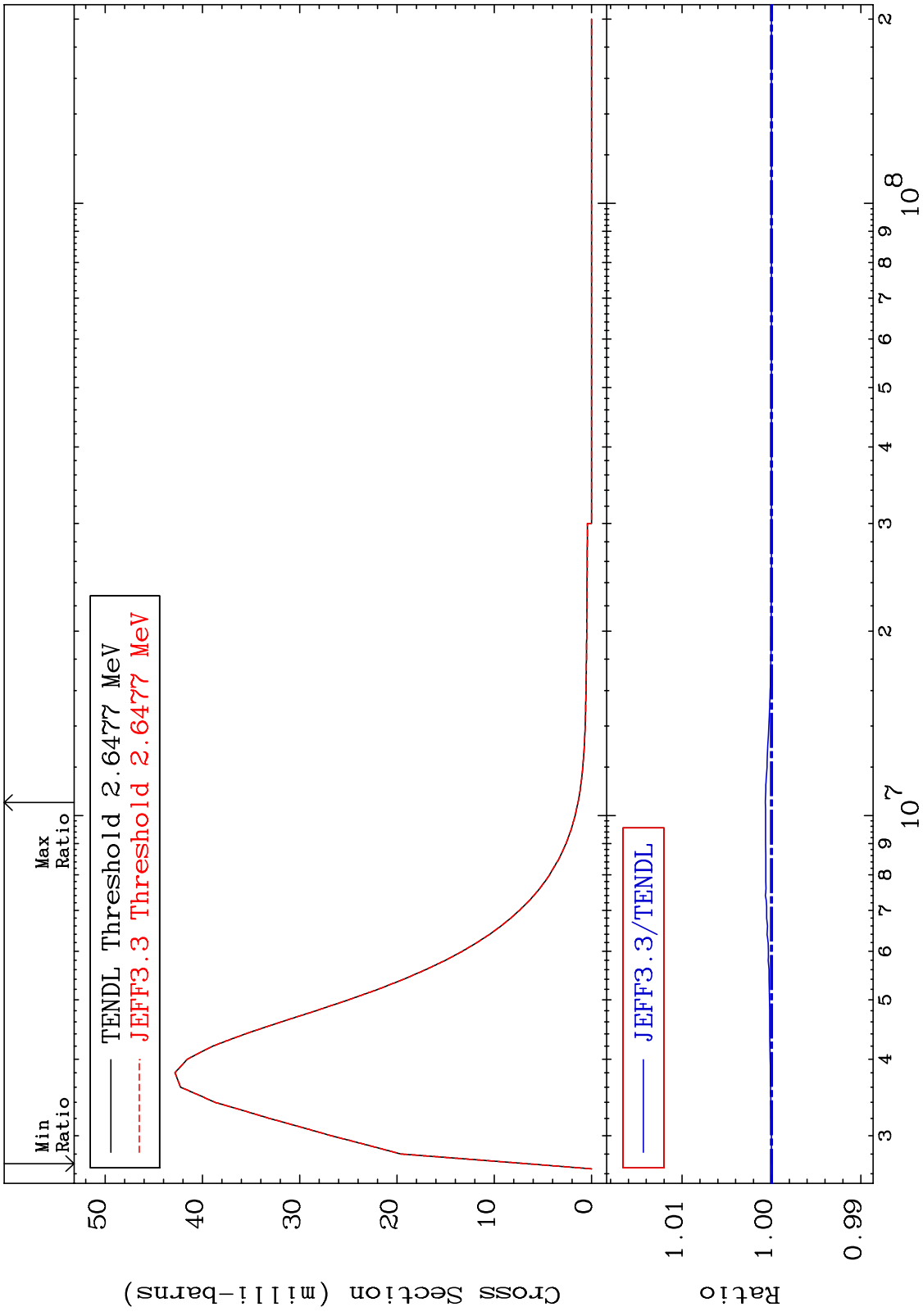


MAT 2628 MT= 65 (n,n') Level Cross Section 26-Fe-55
 -0.010 To 0.060 %

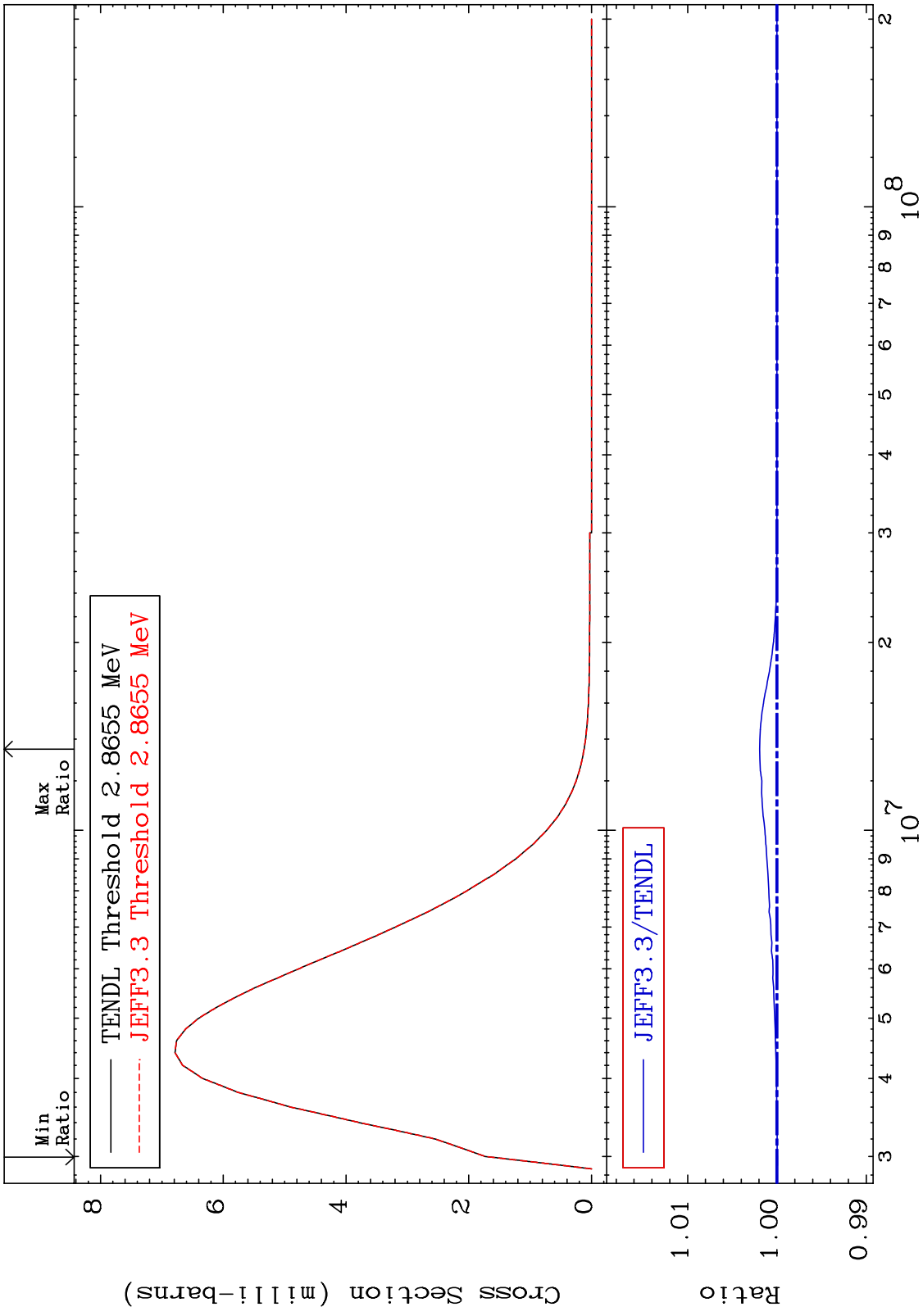


31 26-Fe-55 Incident Energy (eV)

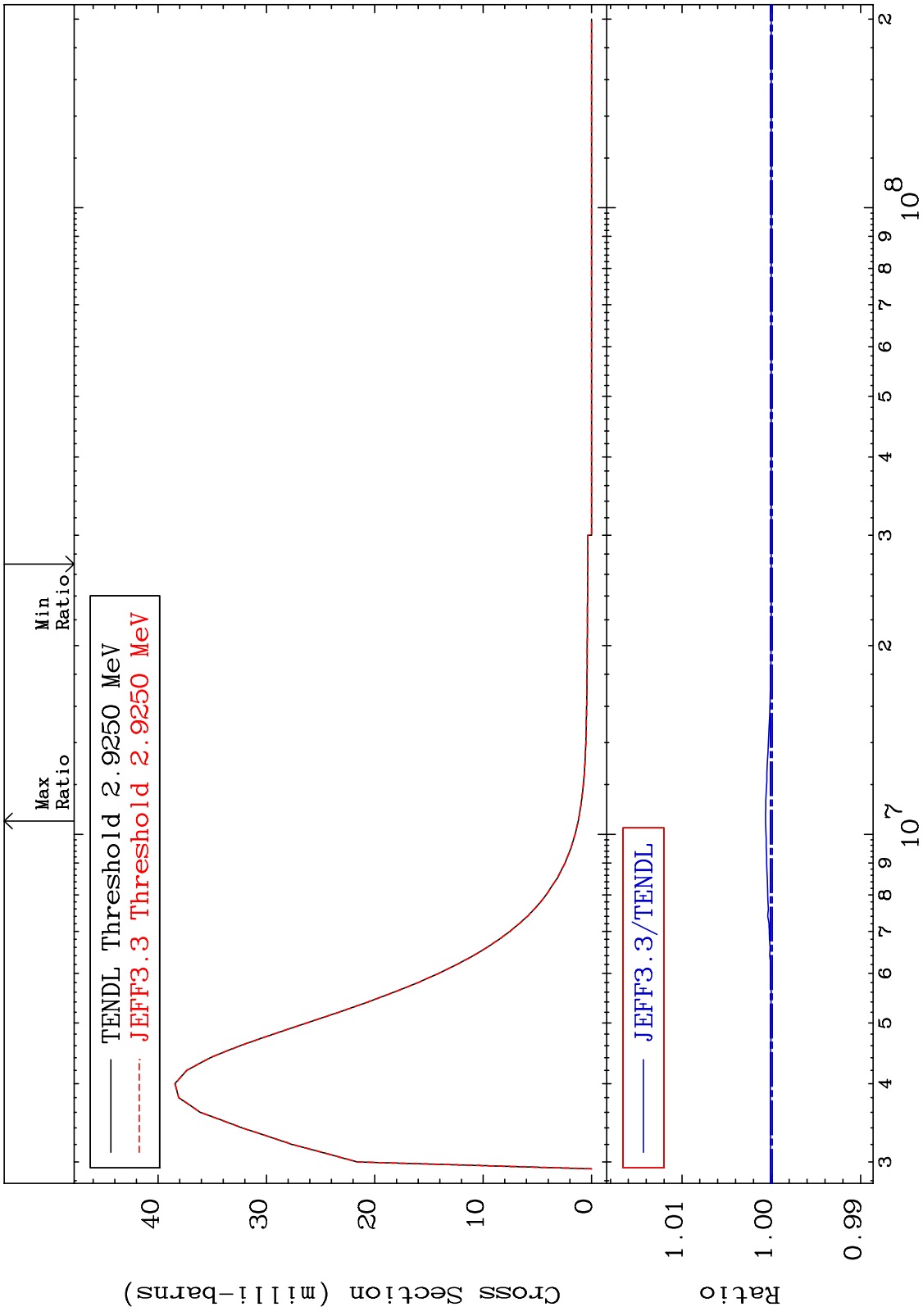
MAT 2628 MT= 66 (n,n') Level Cross Section 26-Fe-55
 -0.002 To 0.068 %



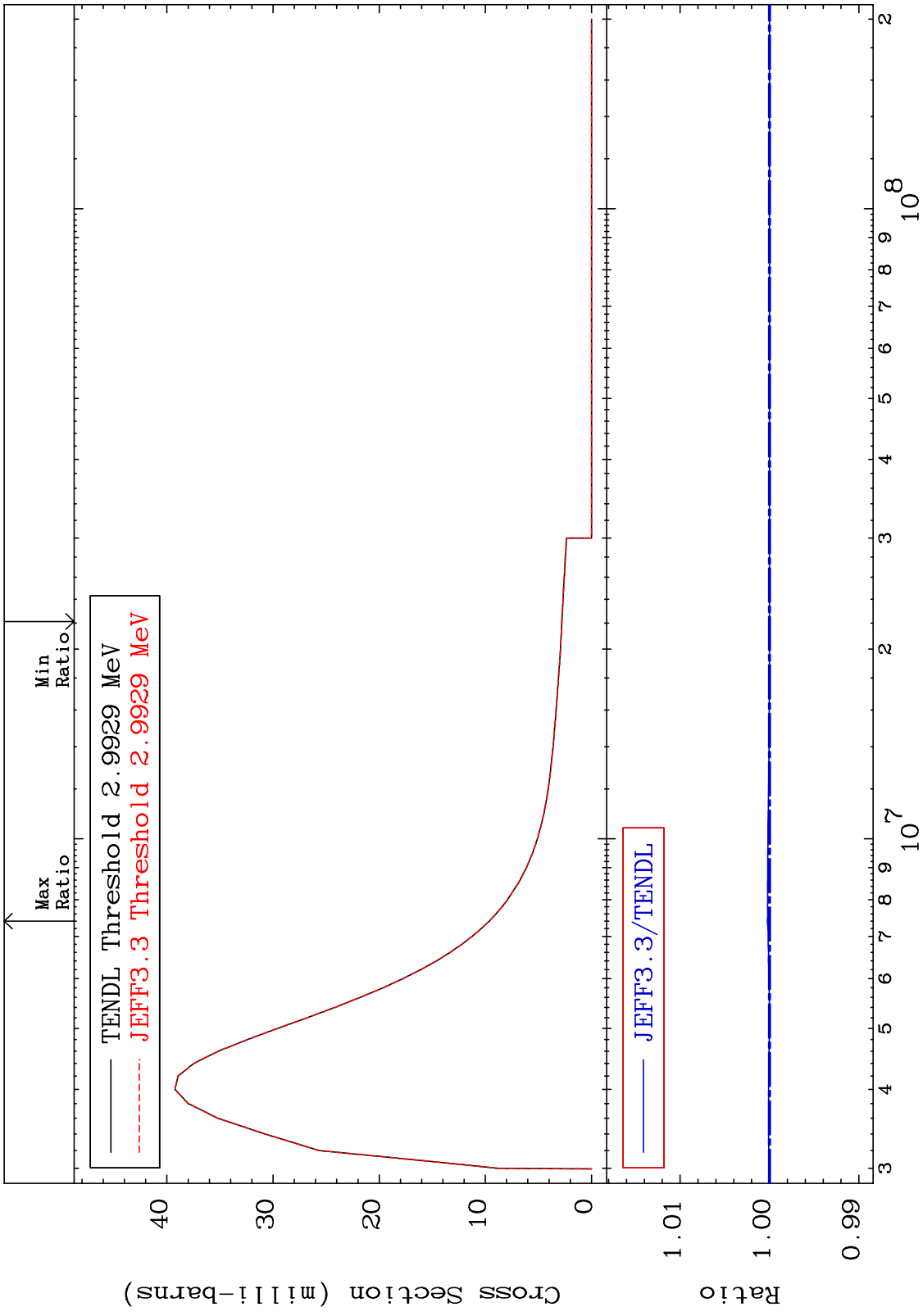
MAT 2628 MT= 67 (n,n') Level Cross Section 26-Fe-55
 -0.003 To 0.194 %



MAT 2628 MT= 68 (n,n') Level Cross Section 26-Fe-55 To 0.065 %

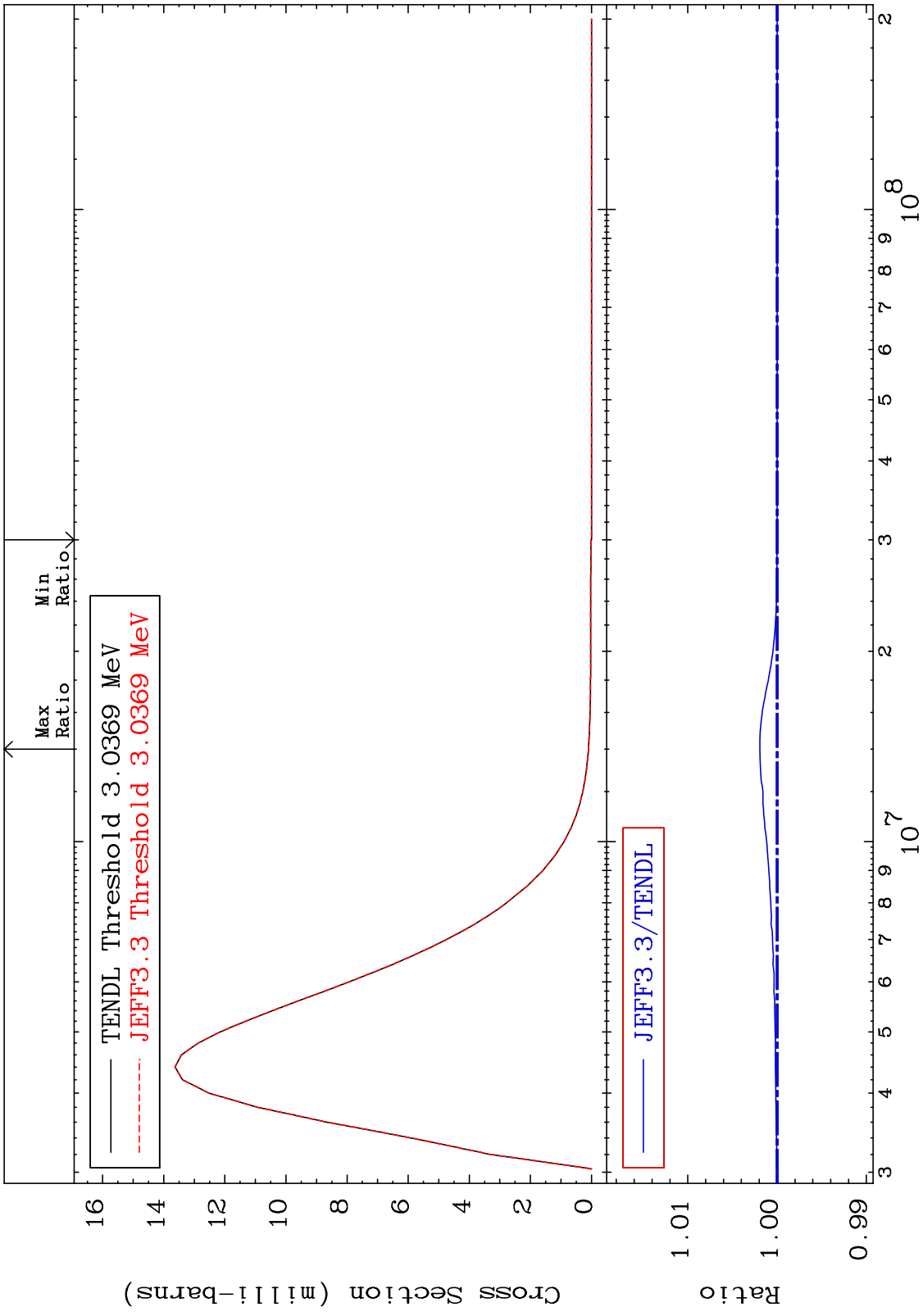


MAT 2628 MT= 69 (n,n') Level Cross Section 26-Fe-55 To 0.024 %

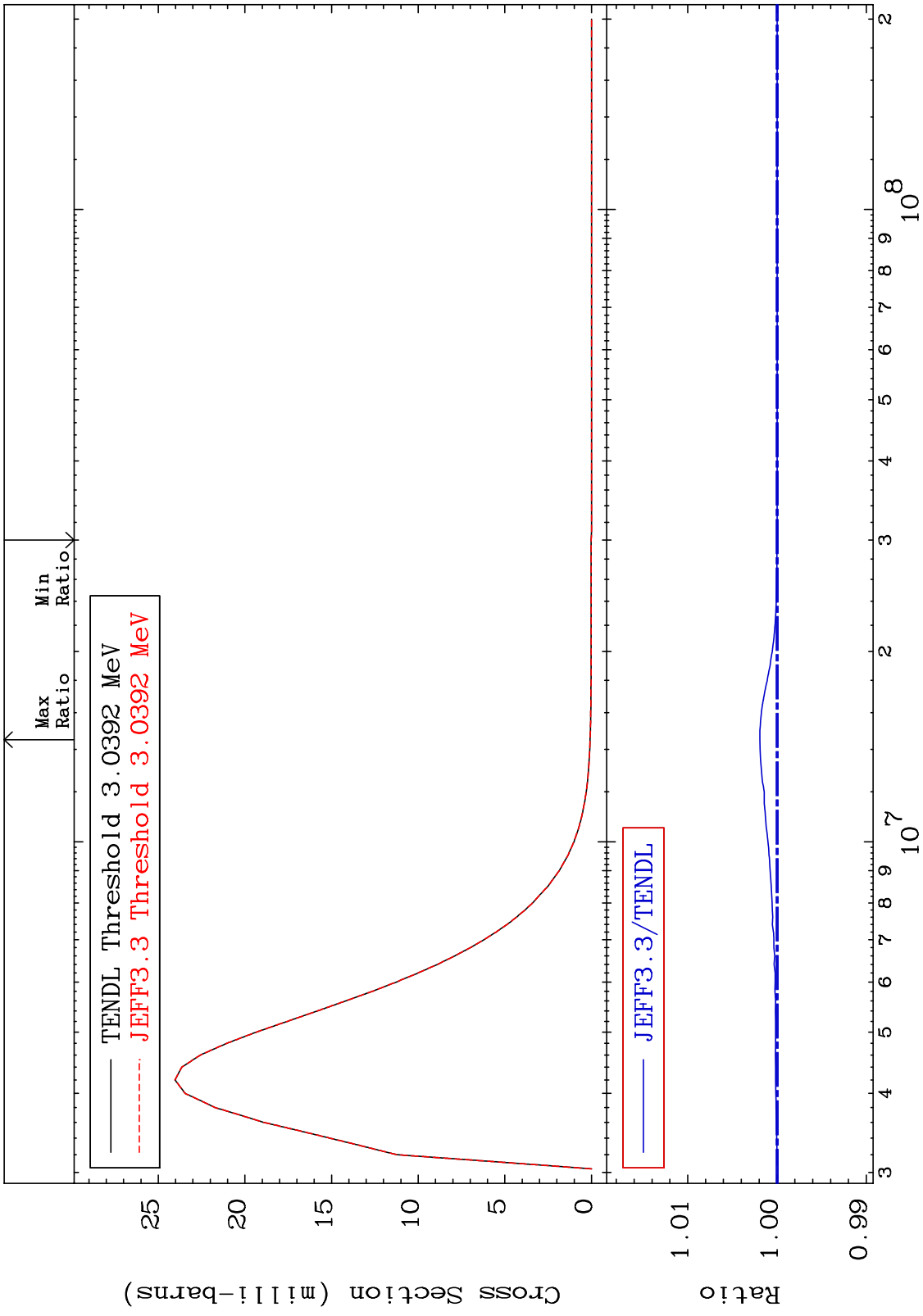


35 Incident Energy (eV) 26-Fe-55

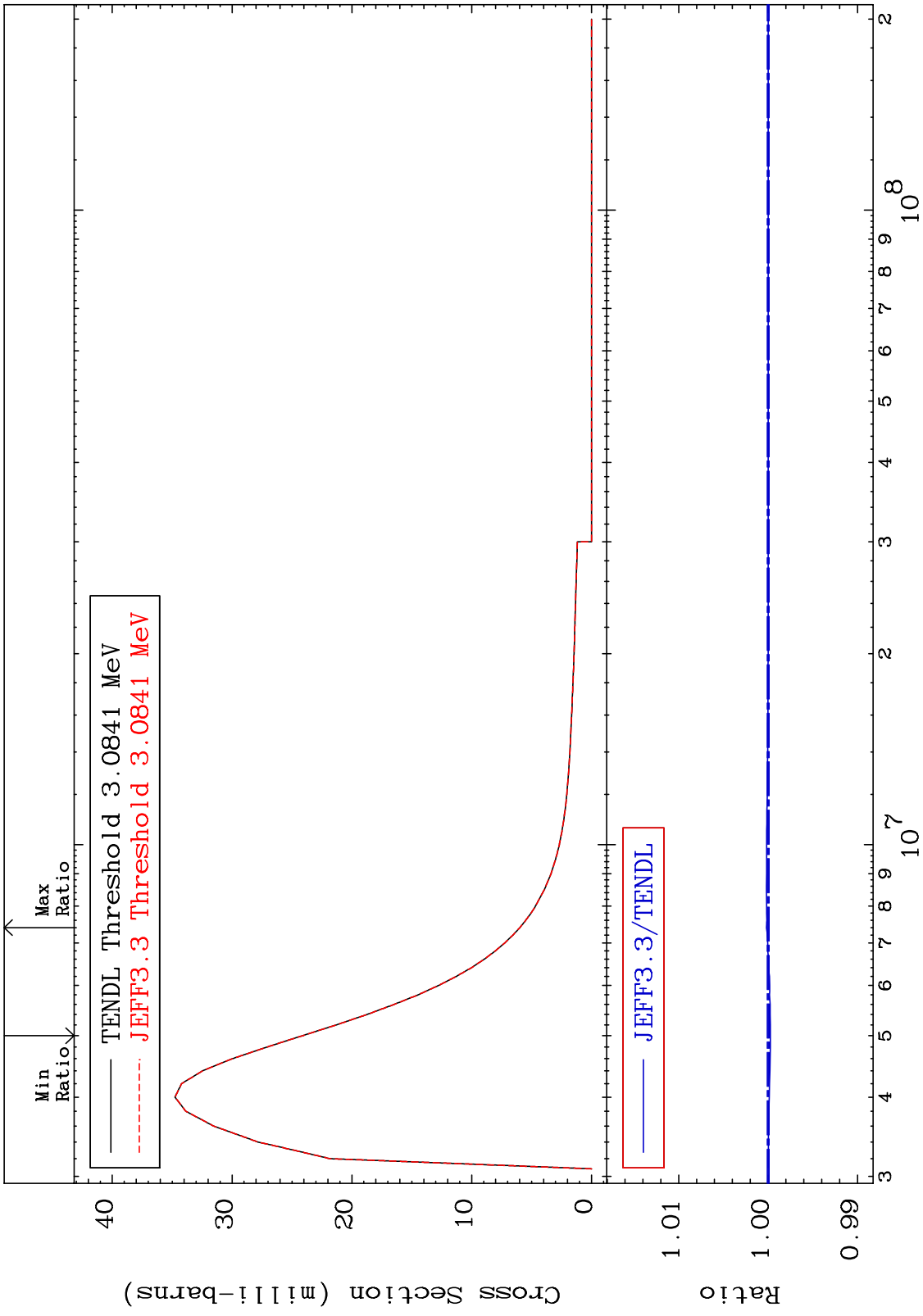
MAT 2628 MT= 70 (n,n') Level Cross Section 26-Fe-55 To 0.194 %



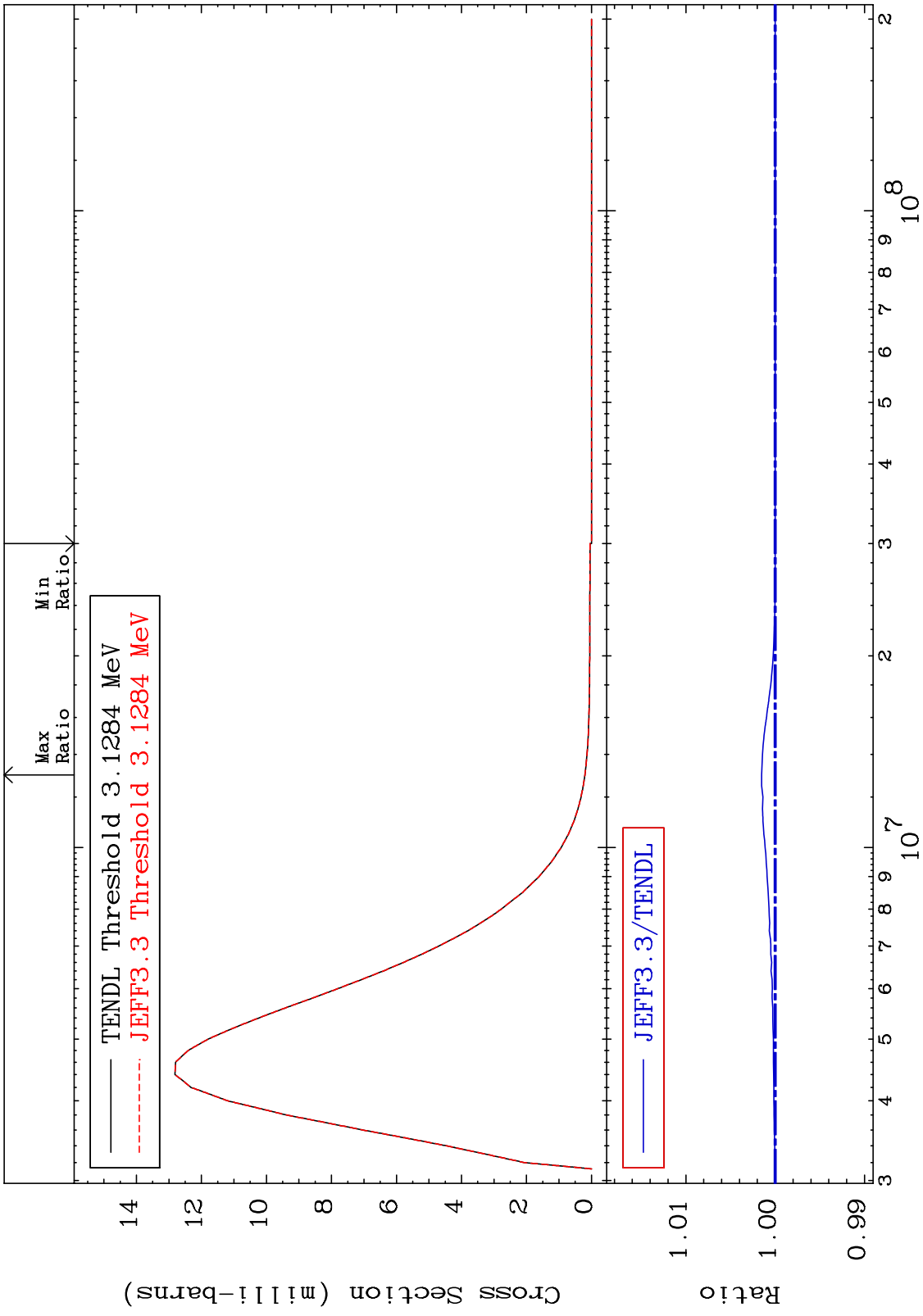
MAT 2628 MT= 71 (n,n') Level Cross Section 26-Fe-55
 0.000 To 0.193 %



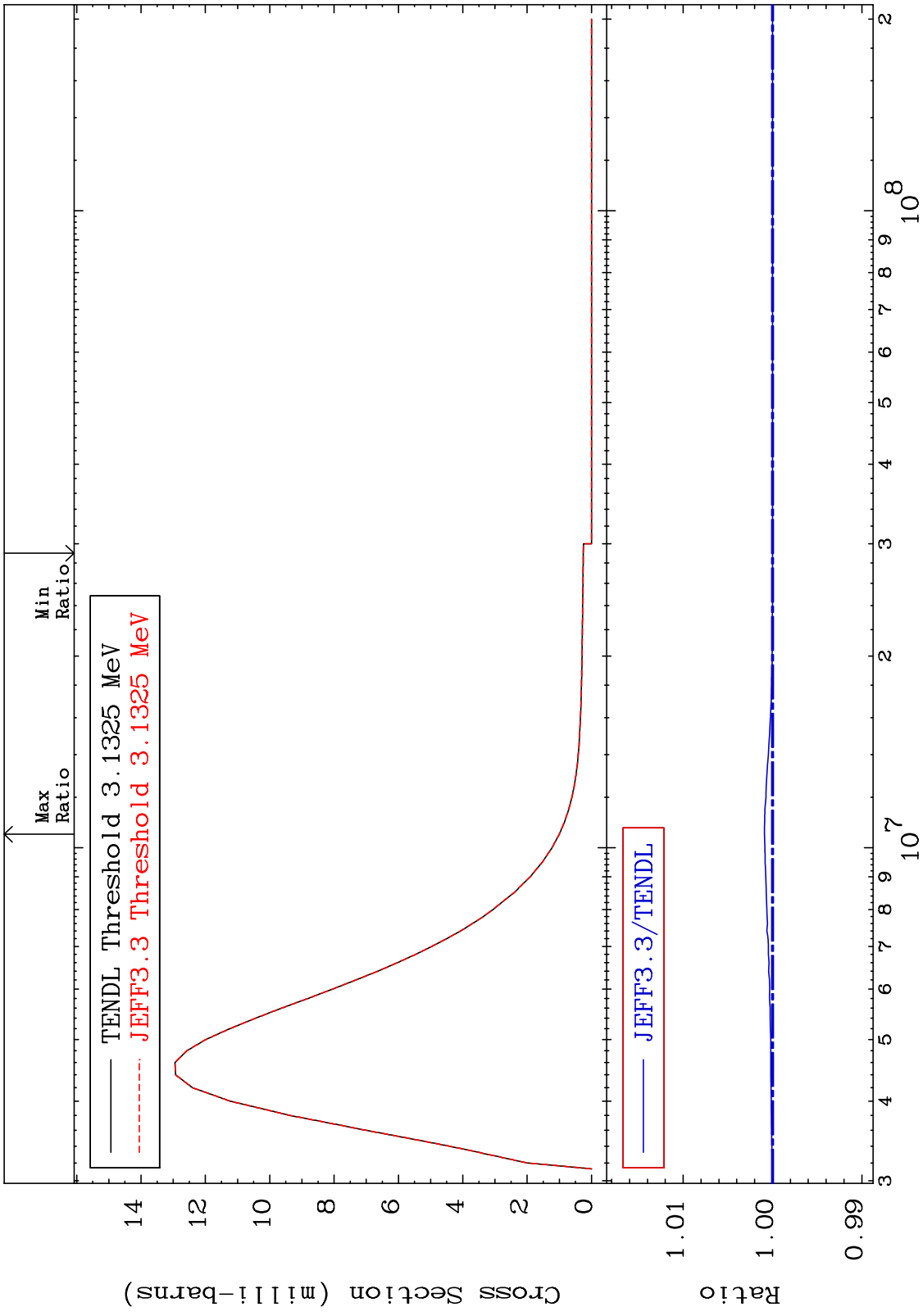
MAT 2628 MT= 72 (n,n') Level Cross Section 26-Fe-55
 -0.026 To 0.018 %



MAT 2628 MT= 73 (n,n') Level Cross Section 26-Fe-55 To 0.151 %

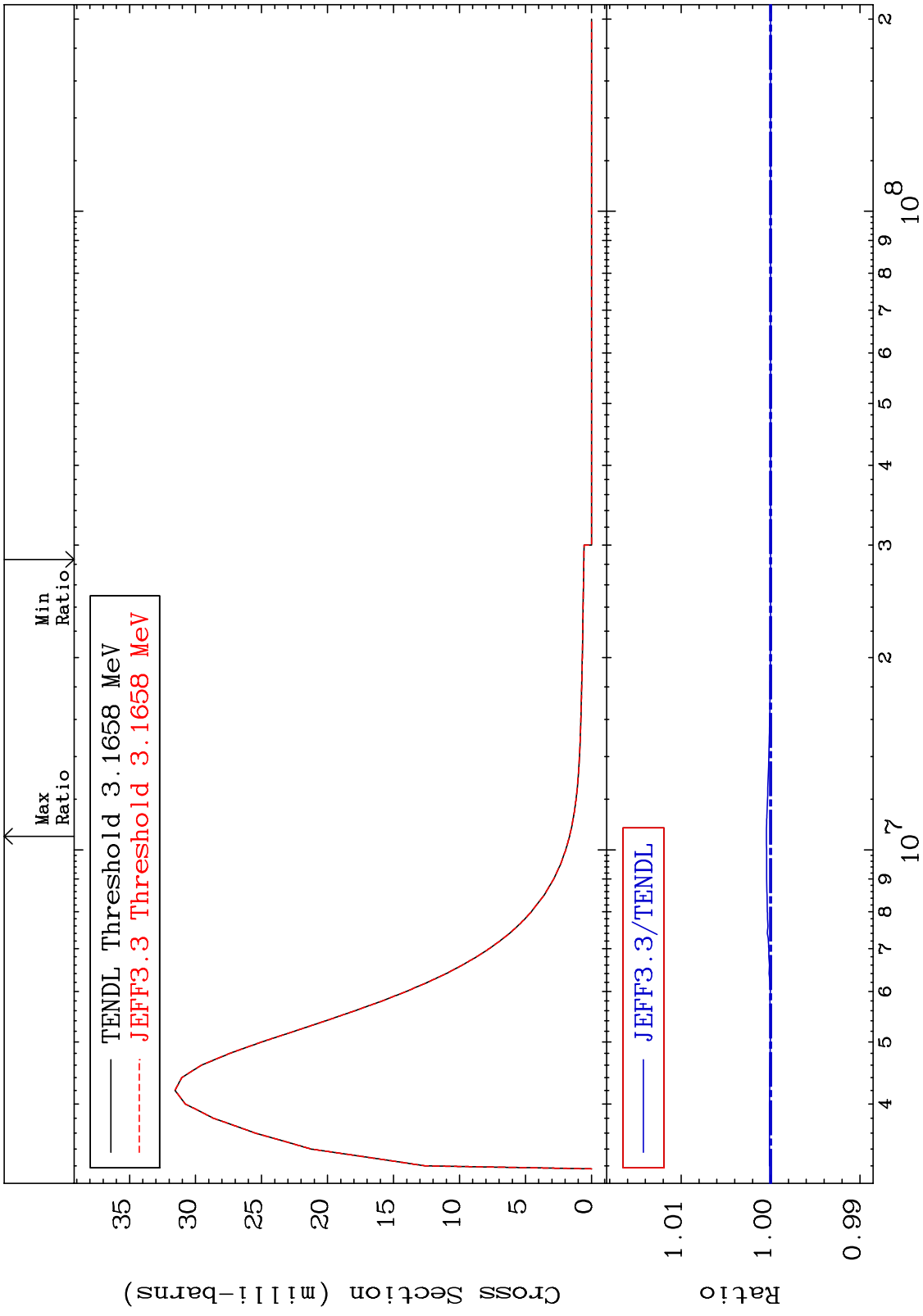


MAT 2628 MT= 74 (n,n') Level Cross Section 26-Fe-55 To 0.091 %

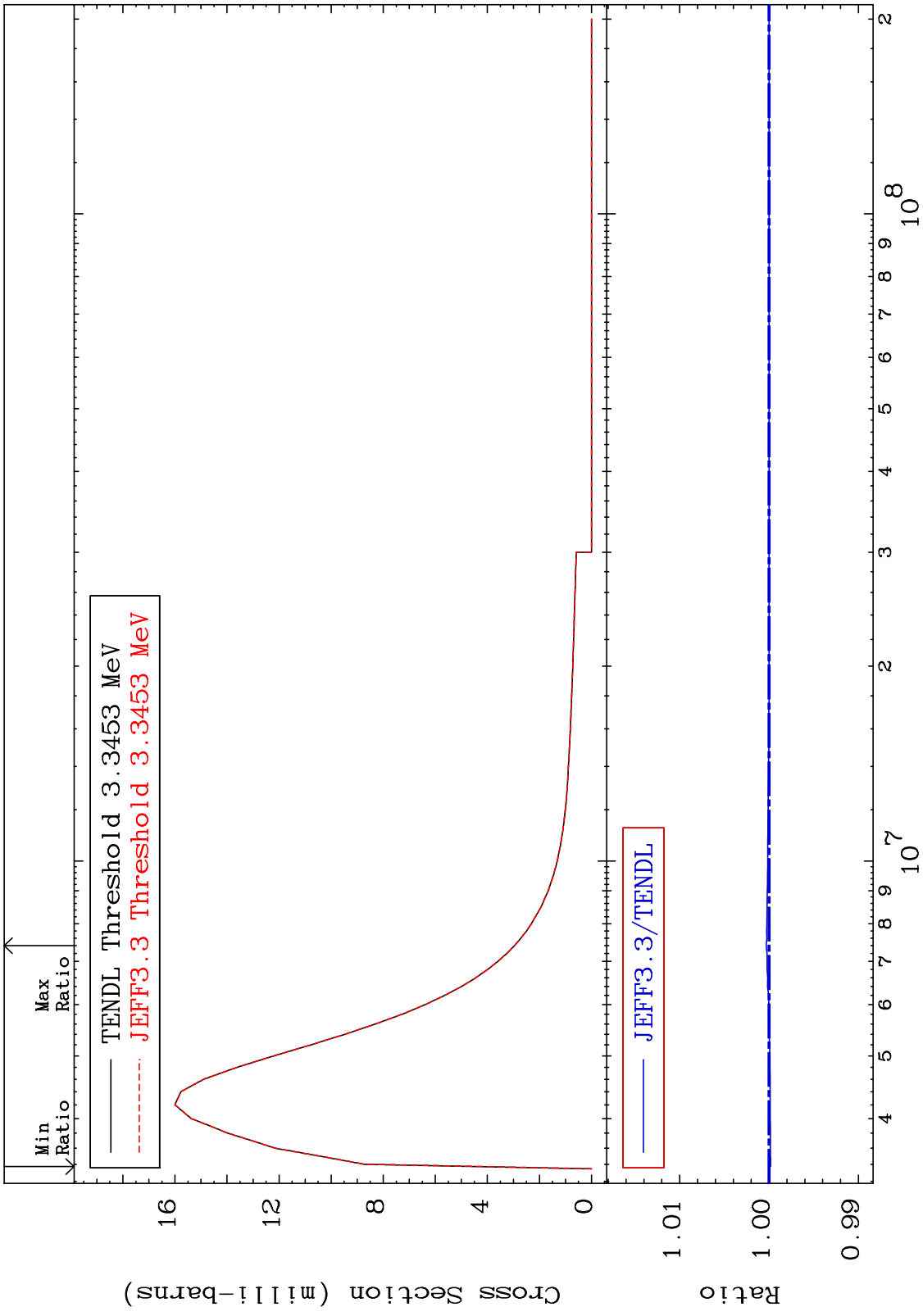


40 26-Fe-55

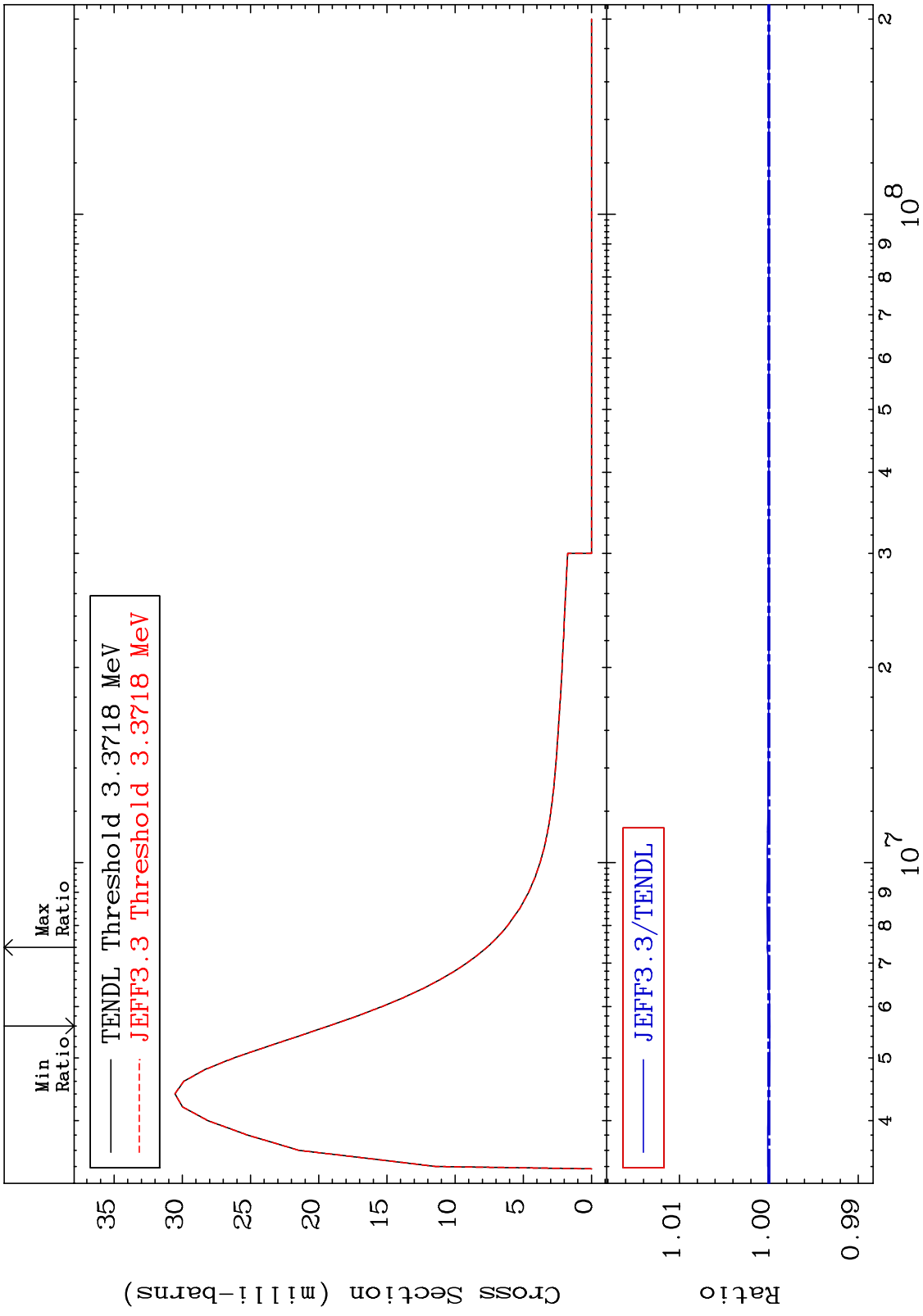
MAT 2628 MT= 75 (n,n') Level Cross Section 26-Fe-55 To 0.046 %



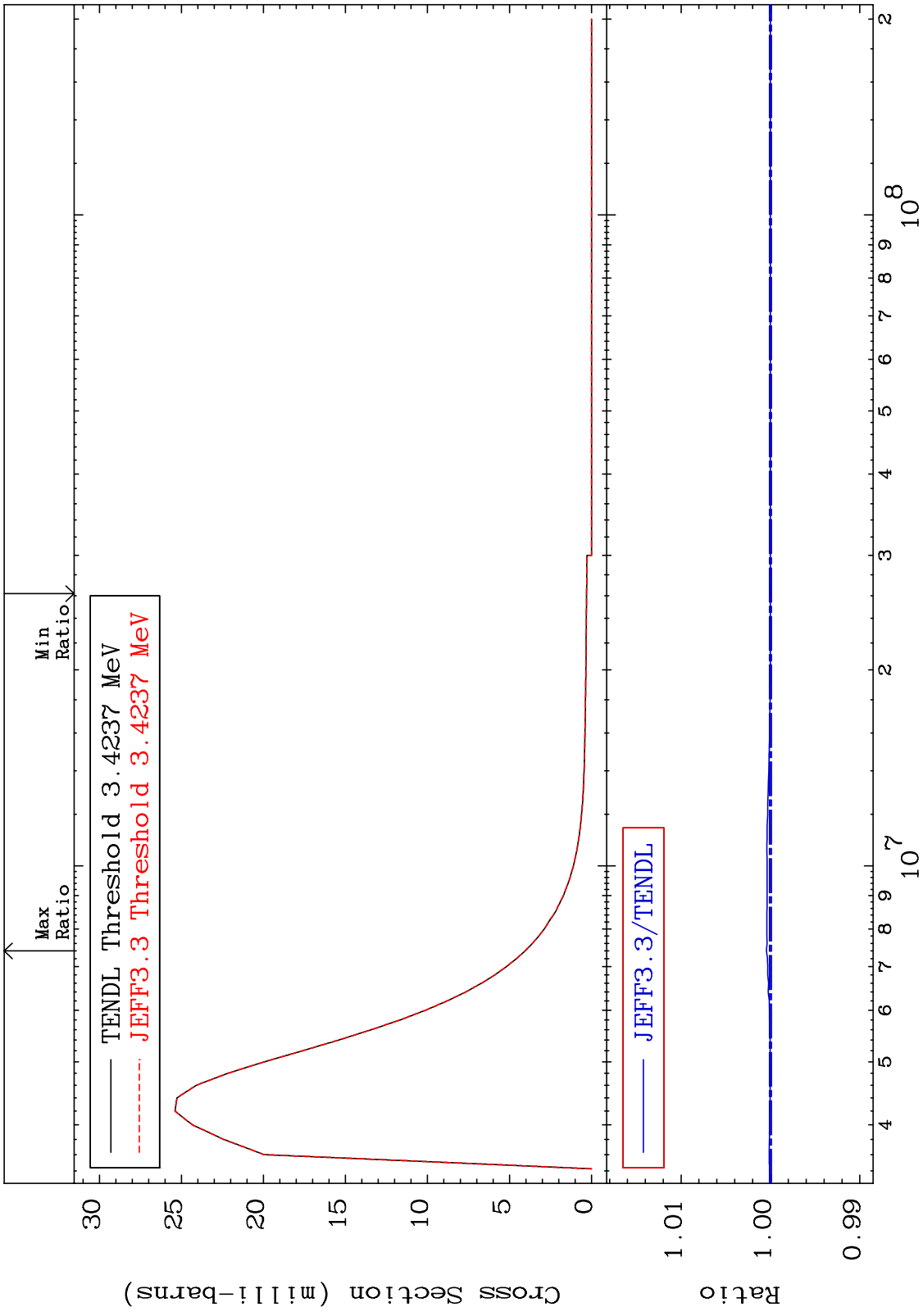
MAT 2628 MT= 76 (n,n') Level Cross Section -0.018 To 0.031 % 26-Fe-55



MAT 2628 MT= 77 (n,n') Level Cross Section 26-Fe-55
 -0.012 To 0.019 %



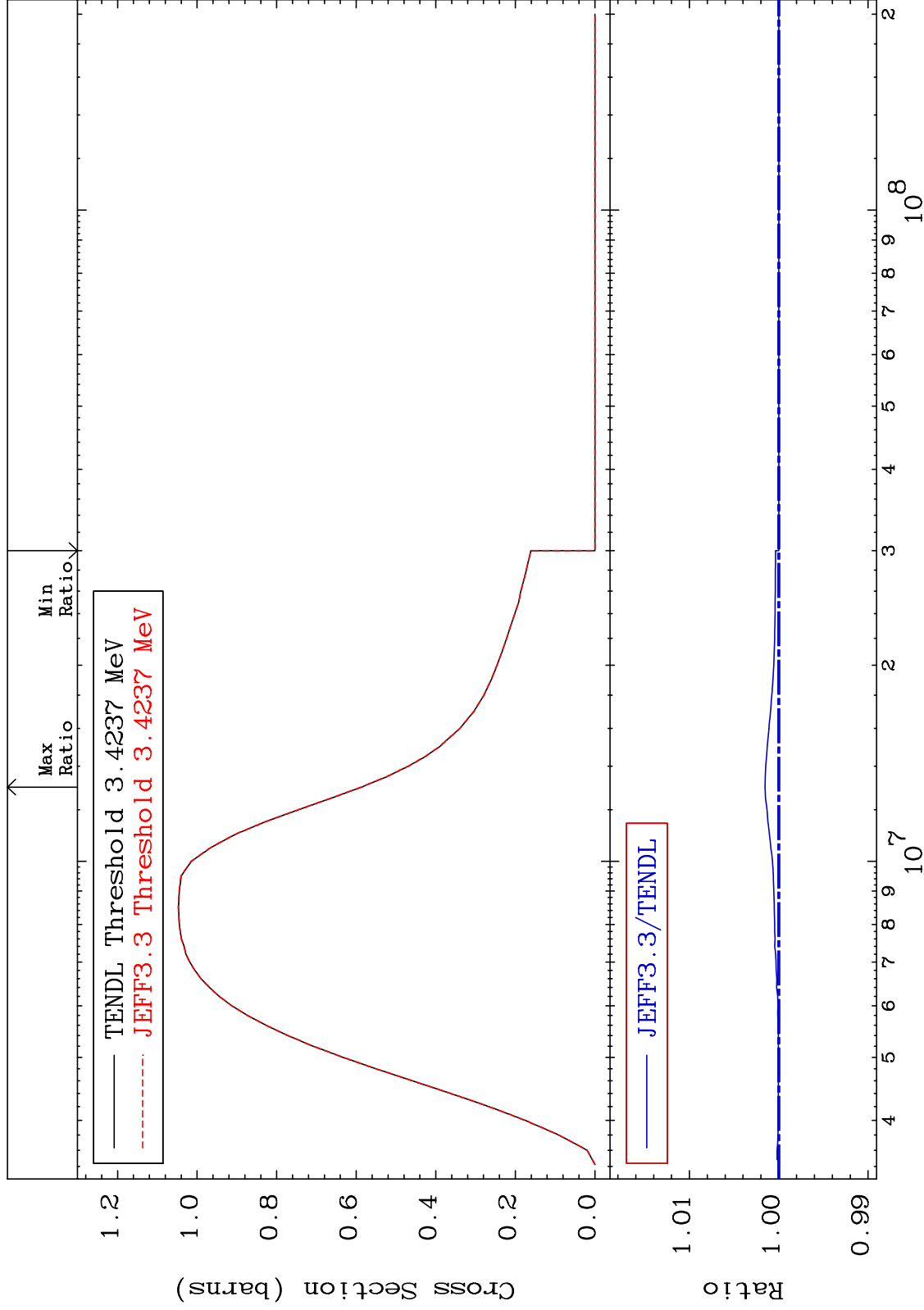
MAT 2628 MT= 78 (n,n') Level Cross Section 26-Fe-55 To 0.045 %



MAT 2628

(n, n') Continuum
Cross Section

26-Fe-55
0.000 To 0.154 %



45

Incident Energy (eV)

26-Fe-55

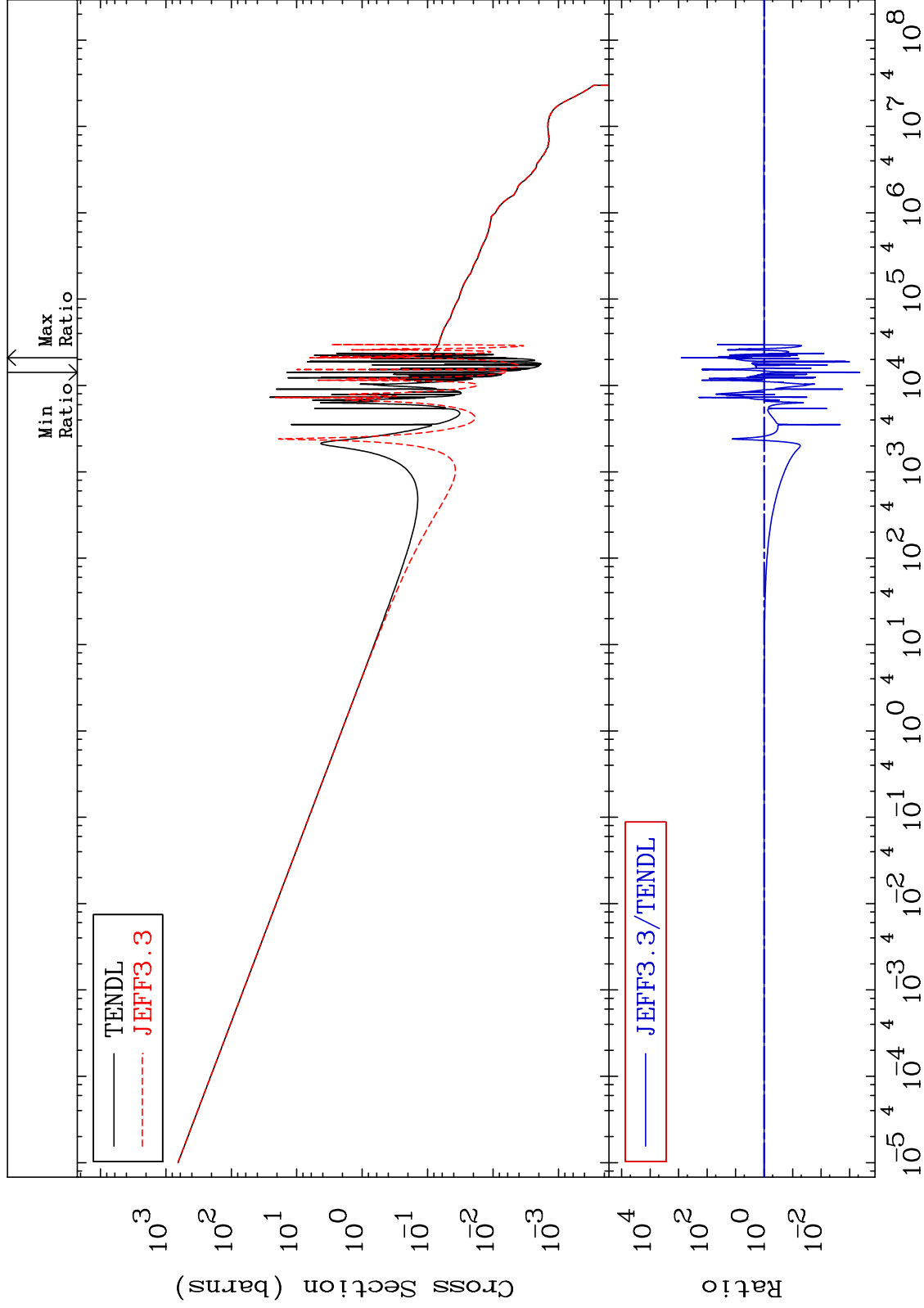
MAT 2628

(n, γ)

26-Fe-55

Cross Section

-99.96 To 9999. %



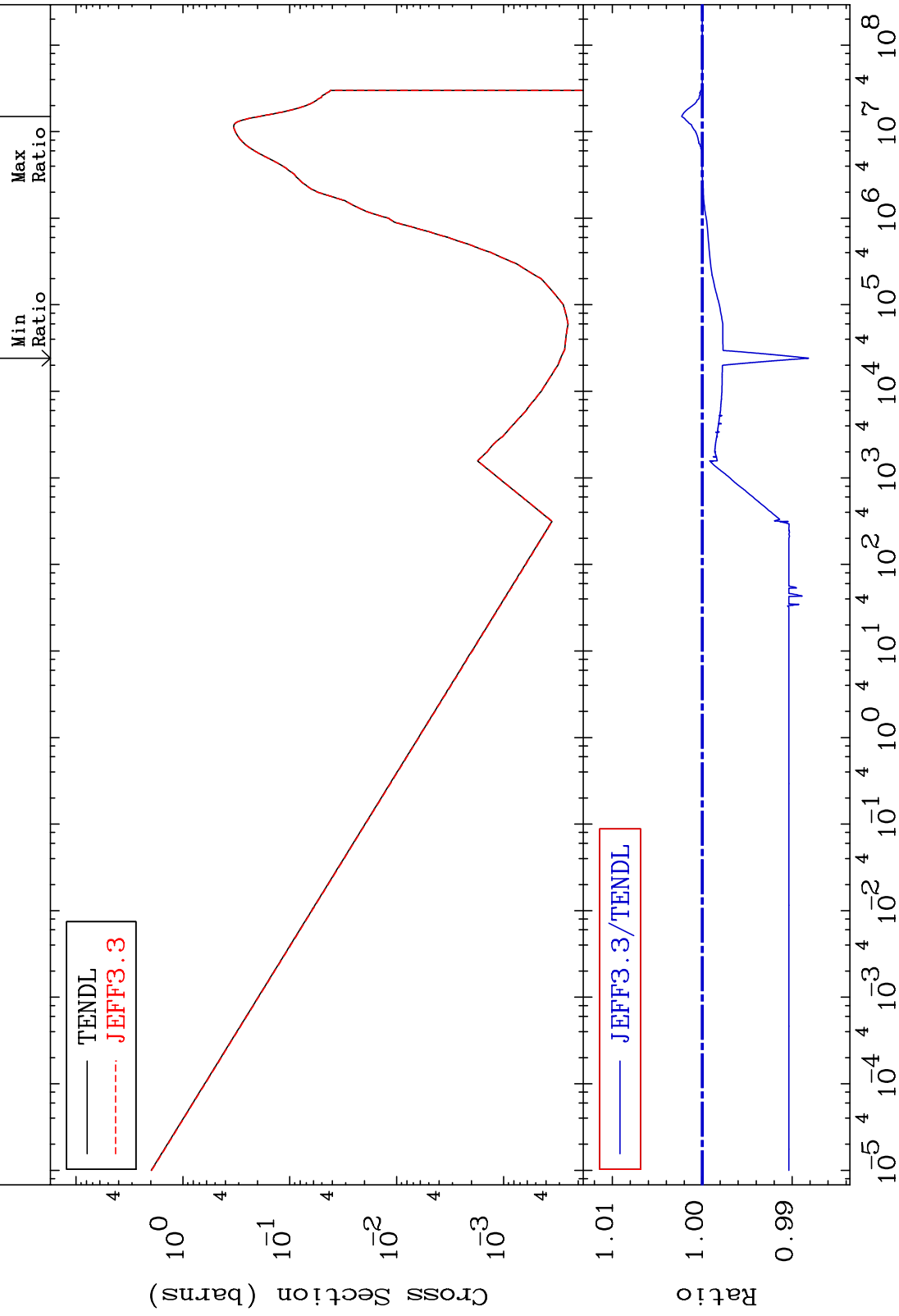
MAT 2628

(n,p)

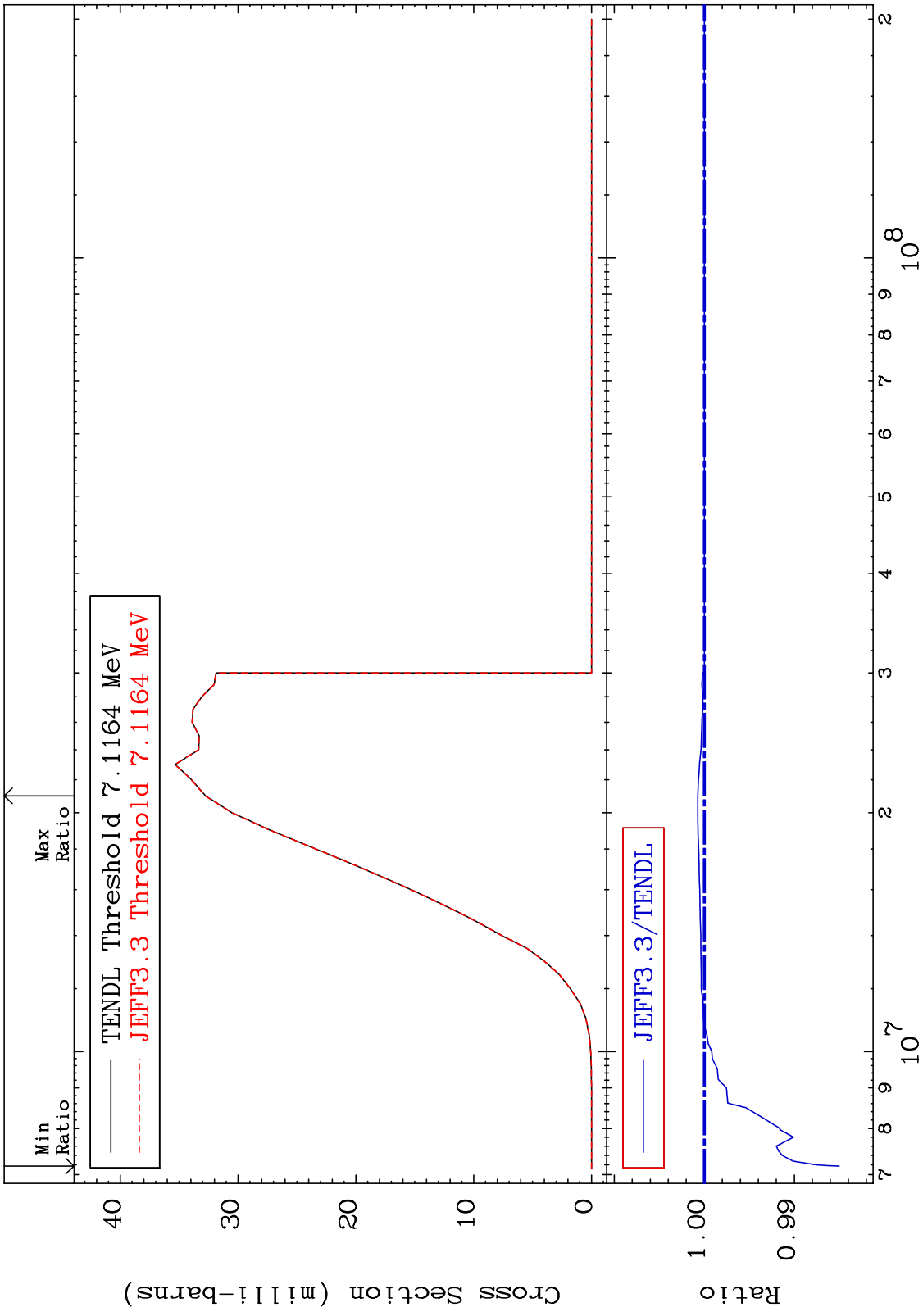
²⁶Fe-55

Cross Section

-1.184 To 0.229 %

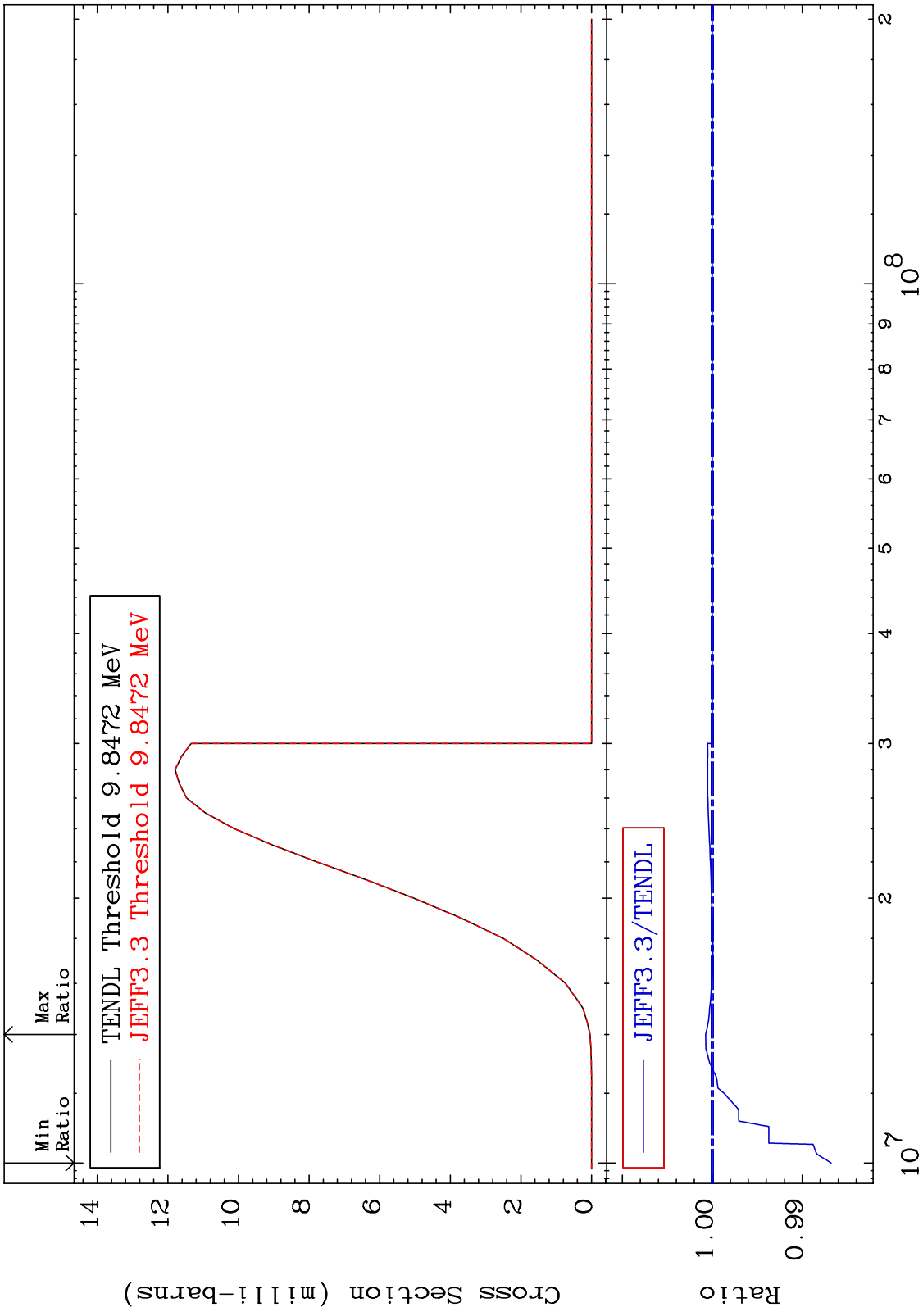


MAT 2628 (n,d) 26-Fe-55
 Cross Section -1.498 To 0.073 %



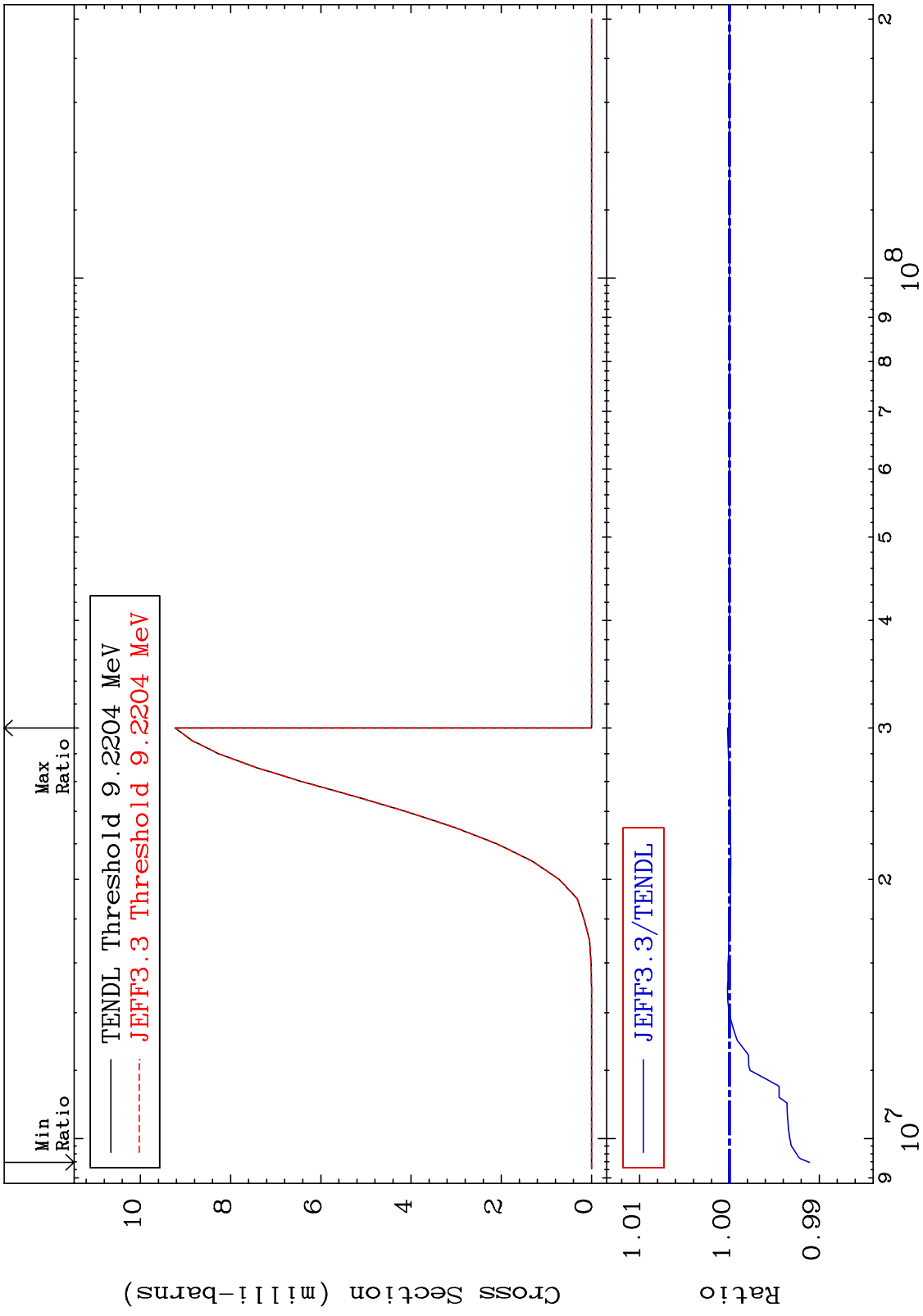
48 26-Fe-55

MAT 2628 (n,t) 26-Fe-55
 Cross Section -1.322 To 0.073 %



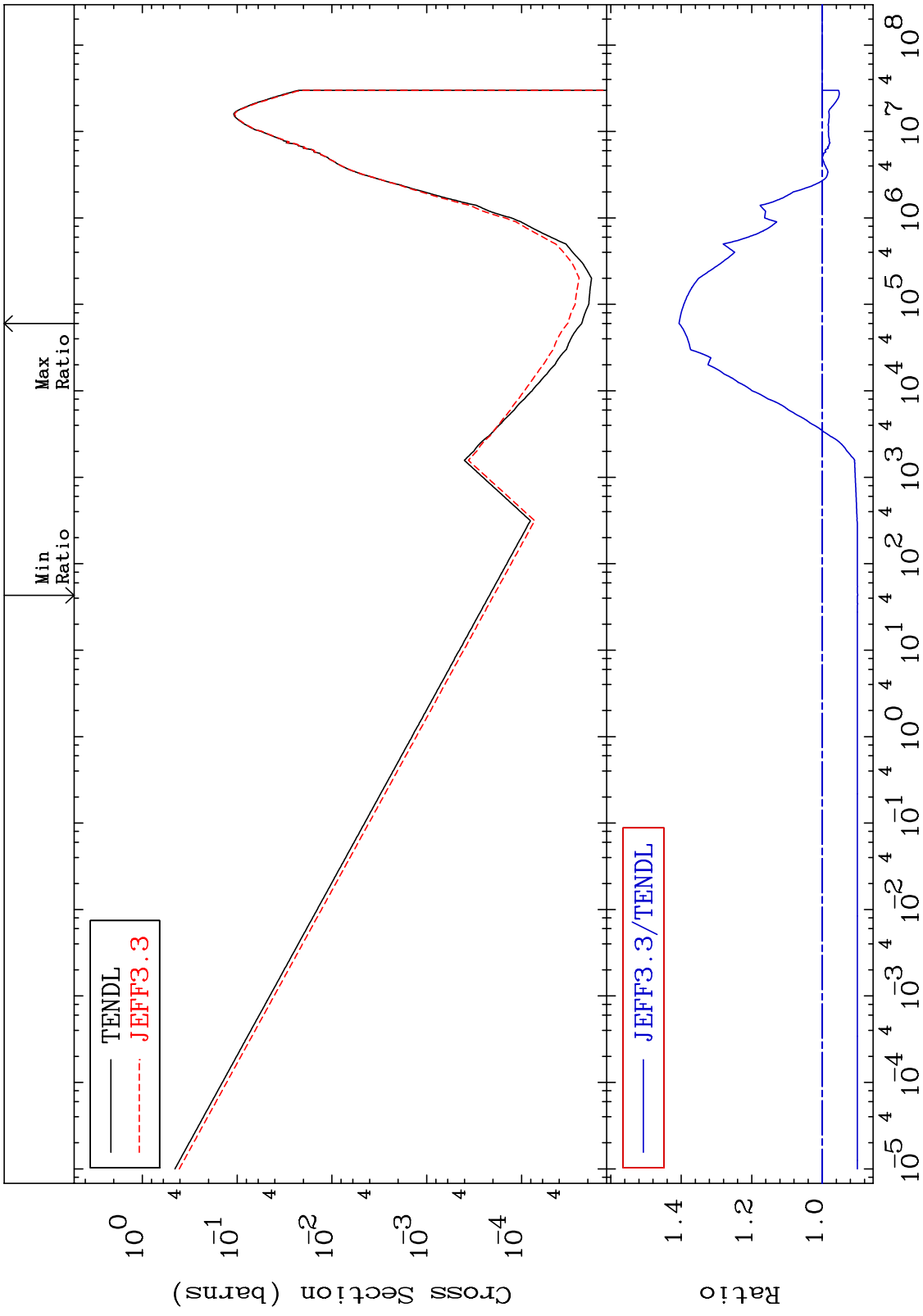
49 Incident Energy (eV) 26-Fe-55

MAT 2628 (n, He-3) 26-Fe-55
 Cross Section -0.891 To 0.022 %

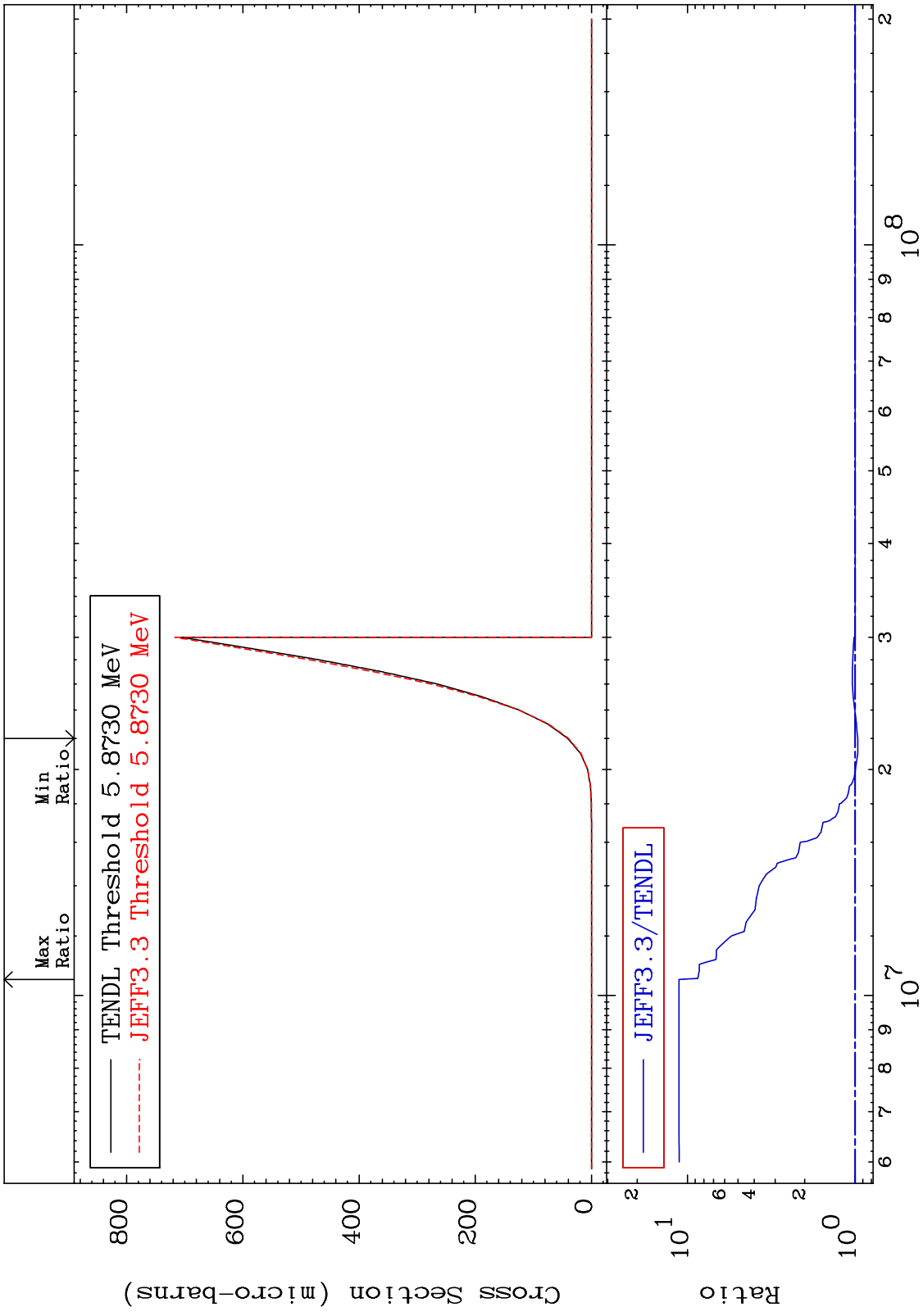


50 Incident Energy (eV) 26-Fe-55

MAT 2628 26-Fe-55
-10.09 To 40.61 %
 (n, α)
 Cross Section



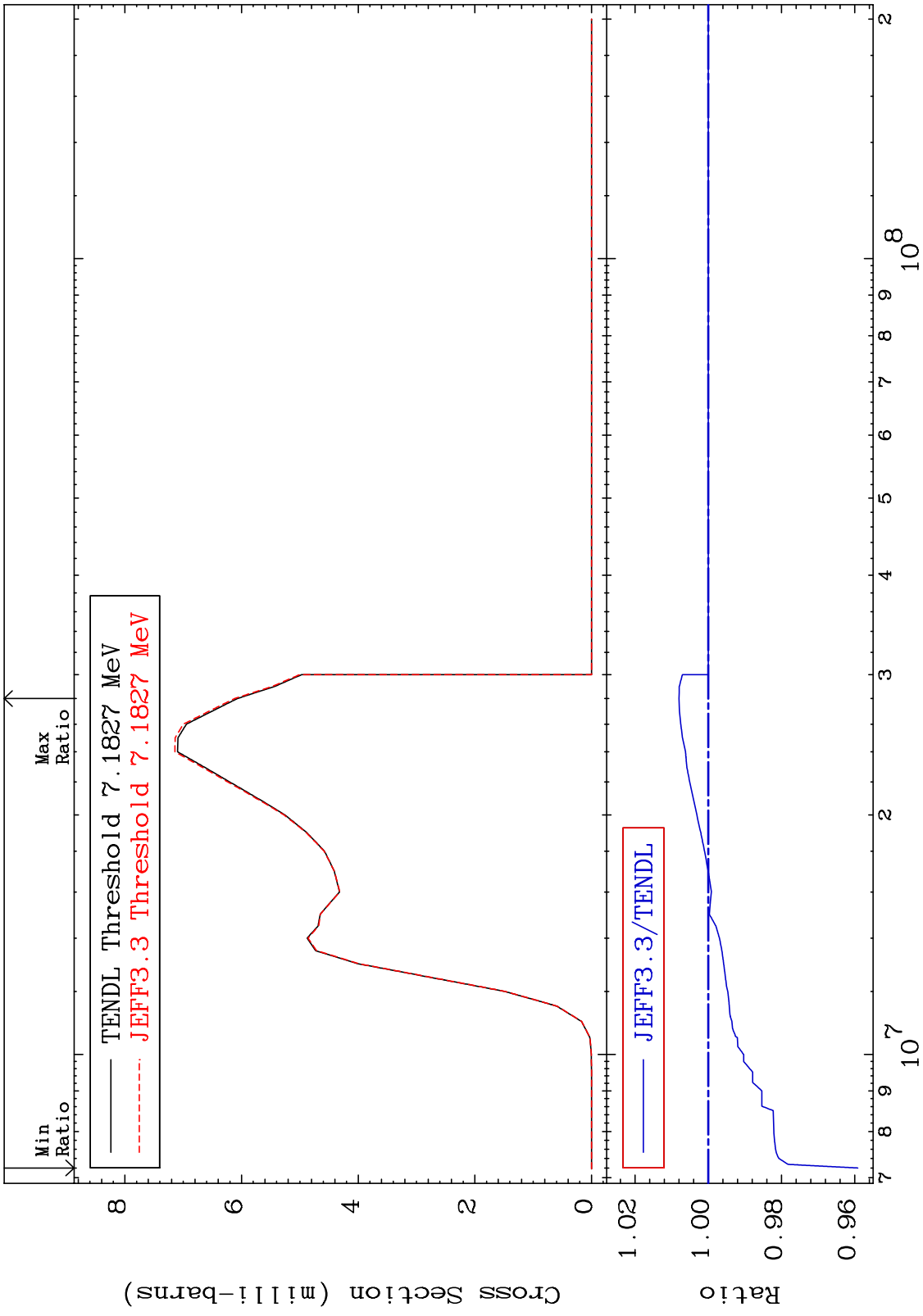
MAT 2628 $(n, 2\alpha)$ $^{26}\text{Fe-55}$
 Cross Section -3.676 To $1024. \%$



MAT 2628

(n,2p)
Cross Section

26-Fe-55
-4.087 To 0.799 %

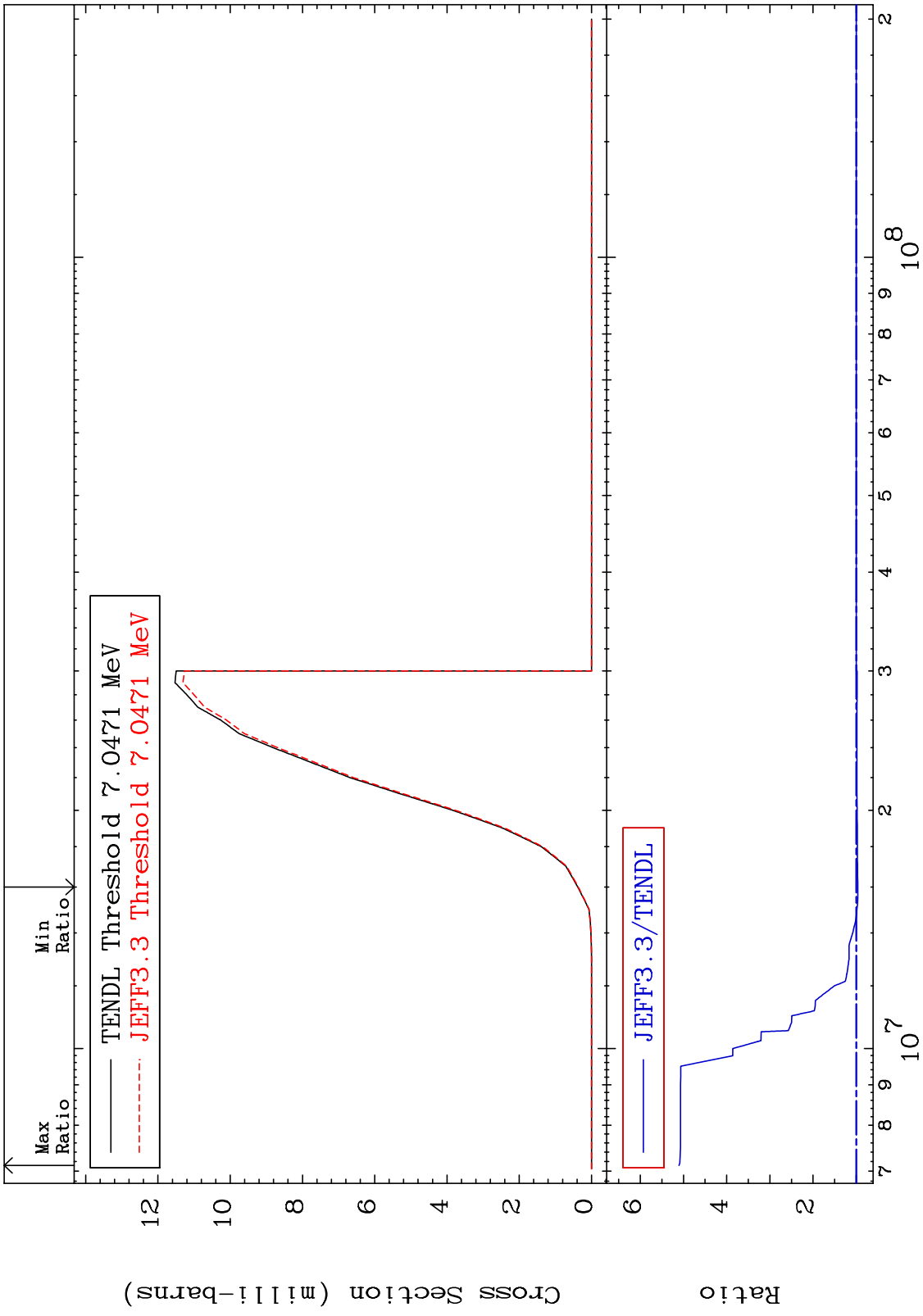


26-Fe-55

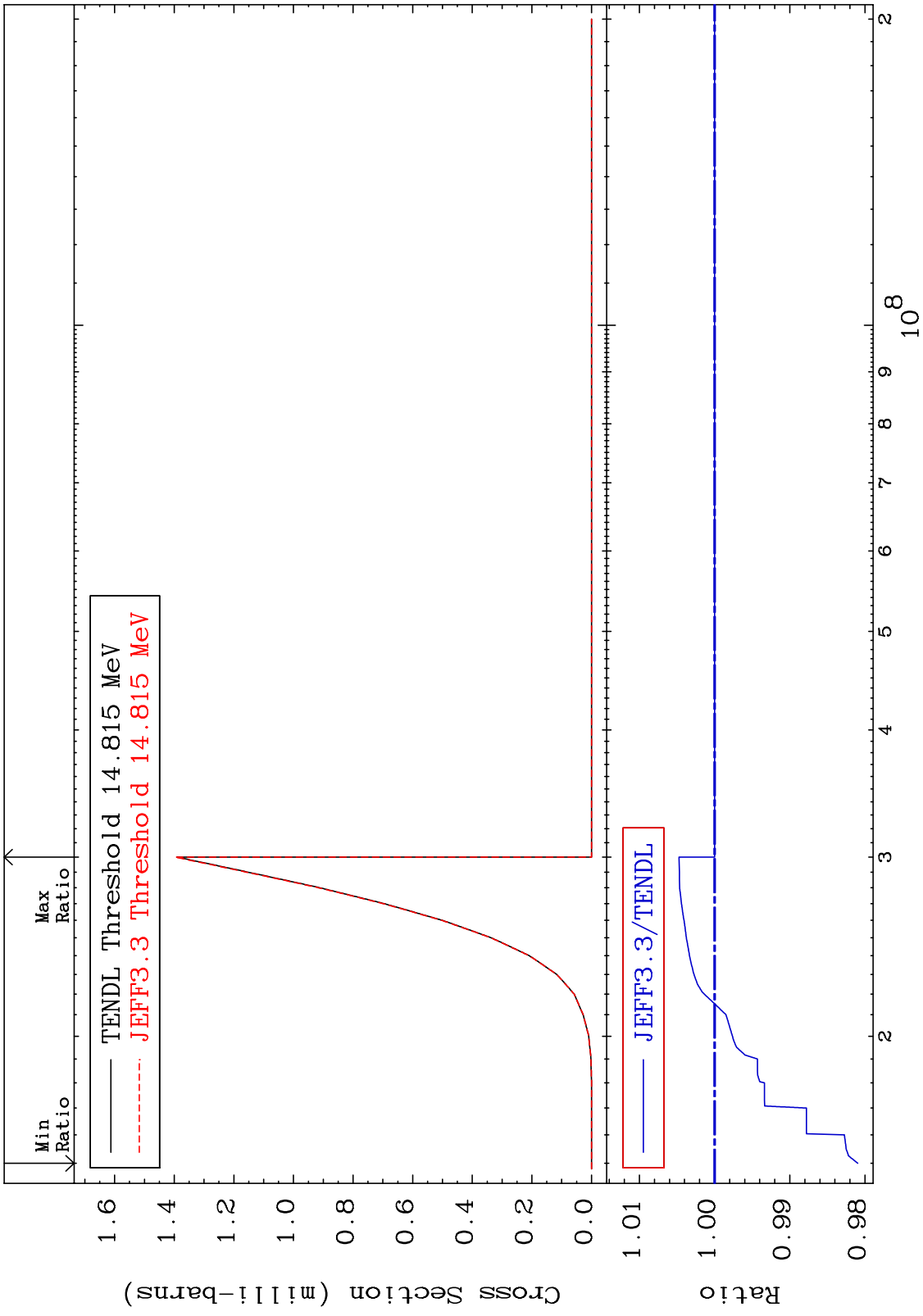
Incident Energy (eV)

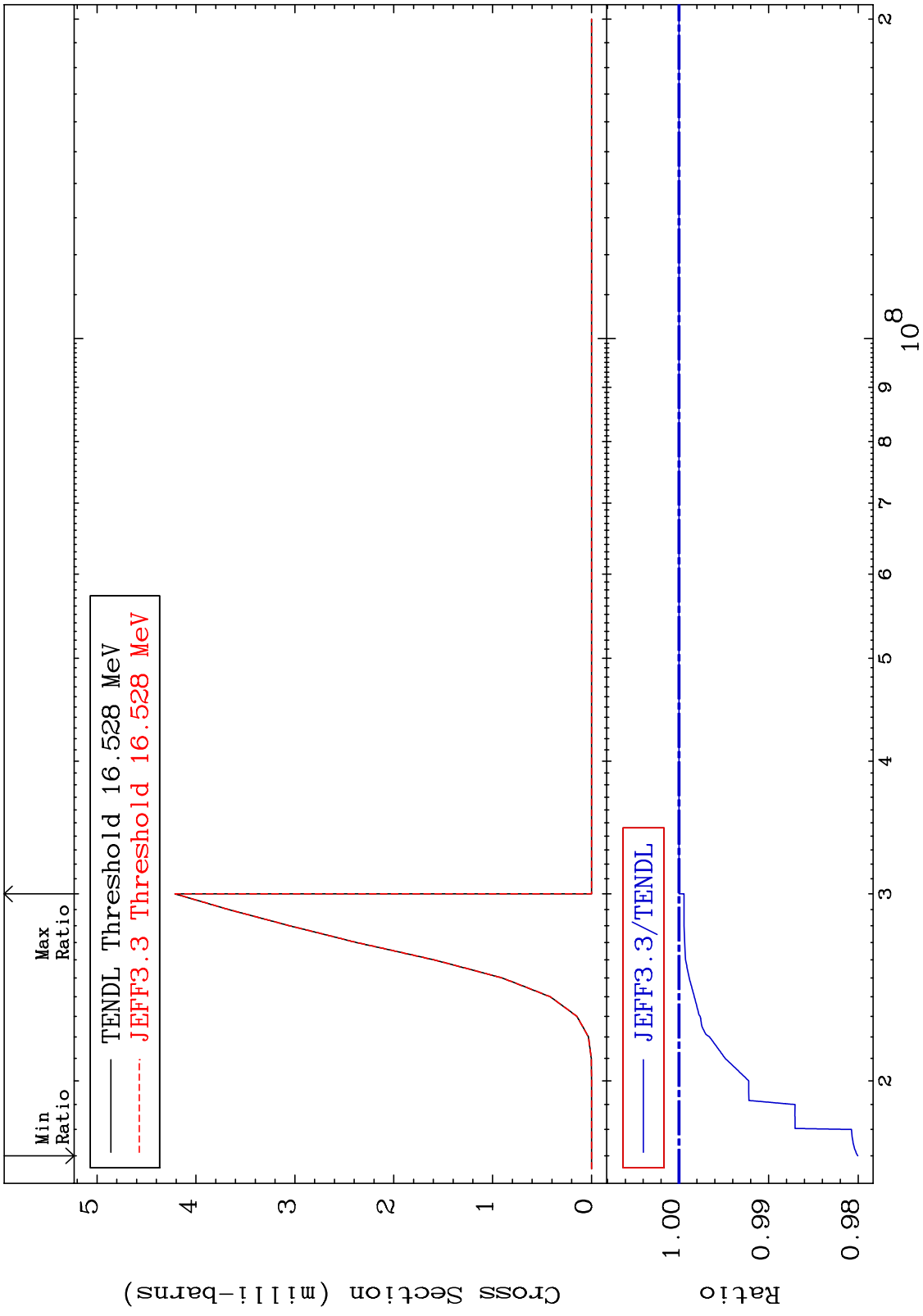
53

MAT 2628 $(n,p) \alpha$ $^{26}\text{Fe-55}$
 Cross Section -3.630 To 410.3 %

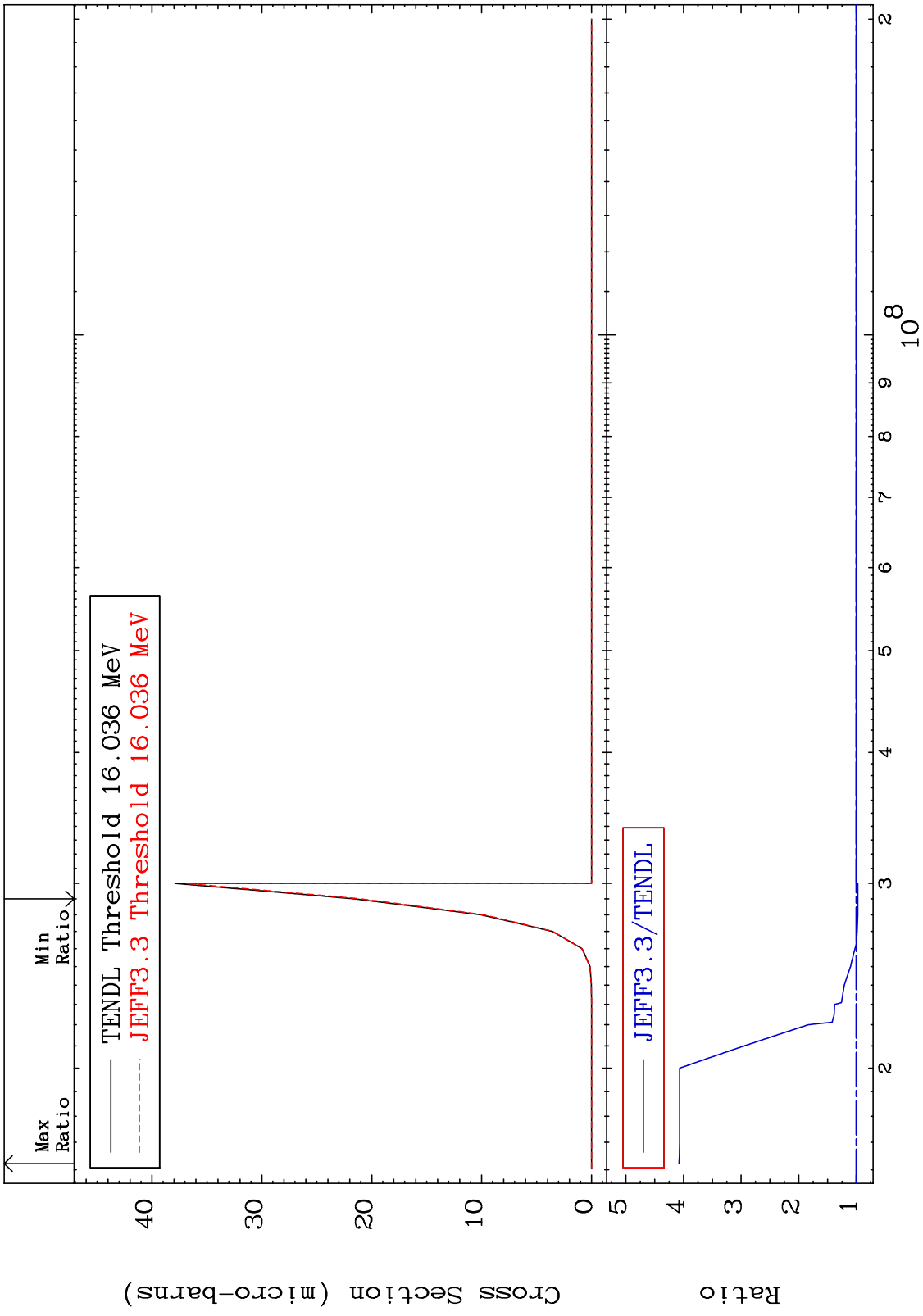


MAT 2628 (n,p) d 26-Fe-55
 Cross Section -1.905 To 0.473 %





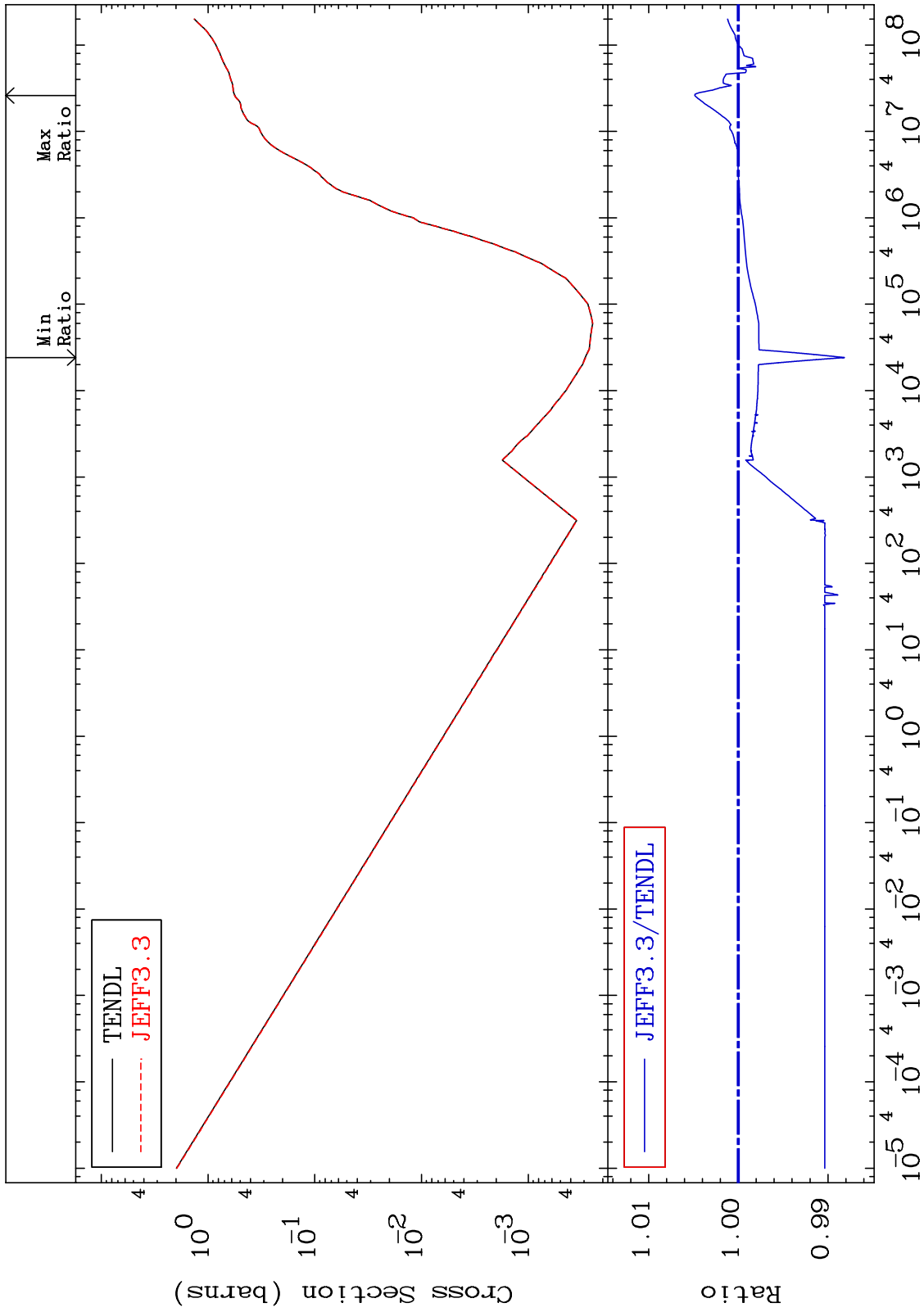
MAT 2628 (n,d) α 26-Fe-55
 Cross Section -2.549 To 307.8 %



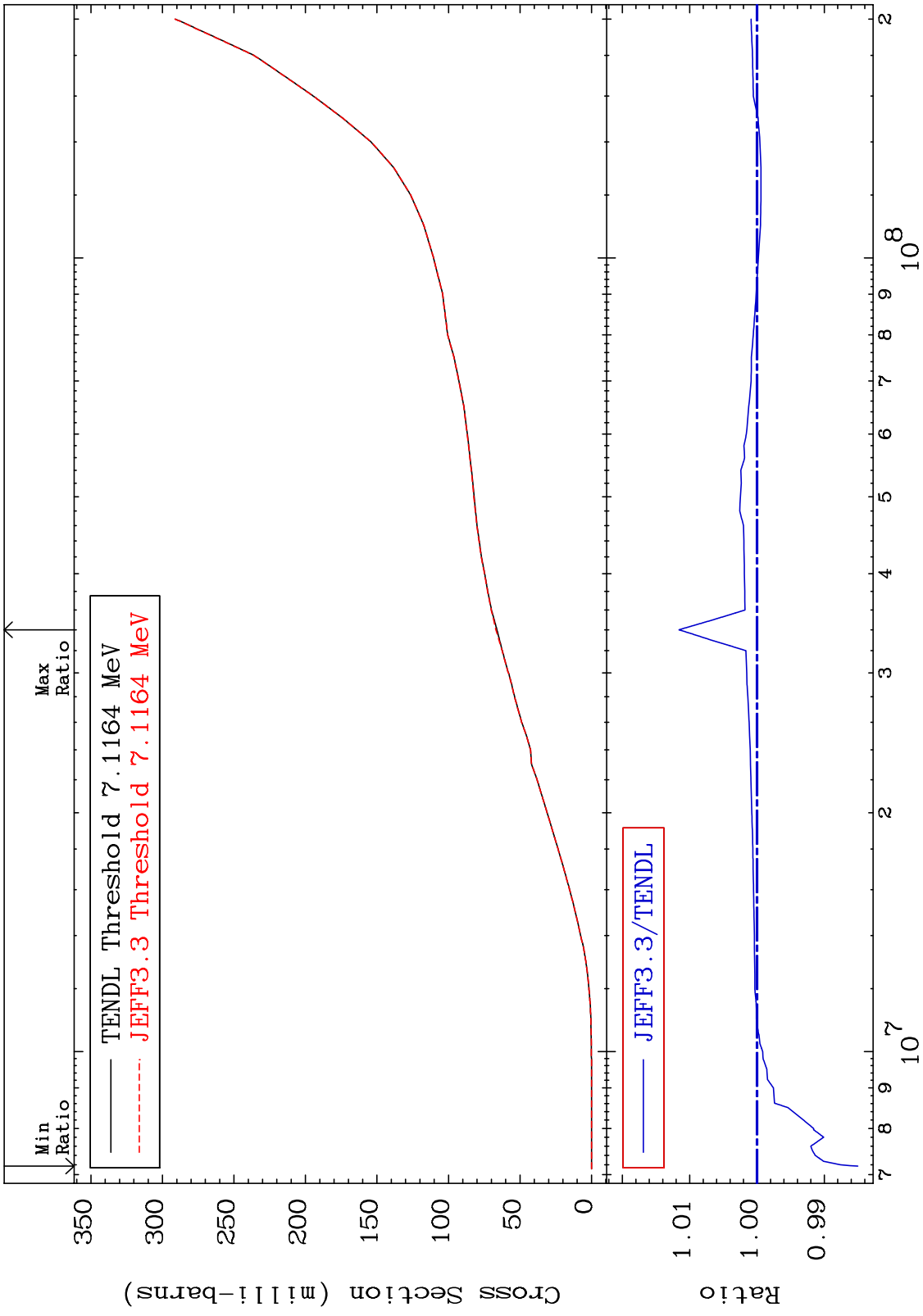
MAT 2628

Hydrogen Production
Cross Section

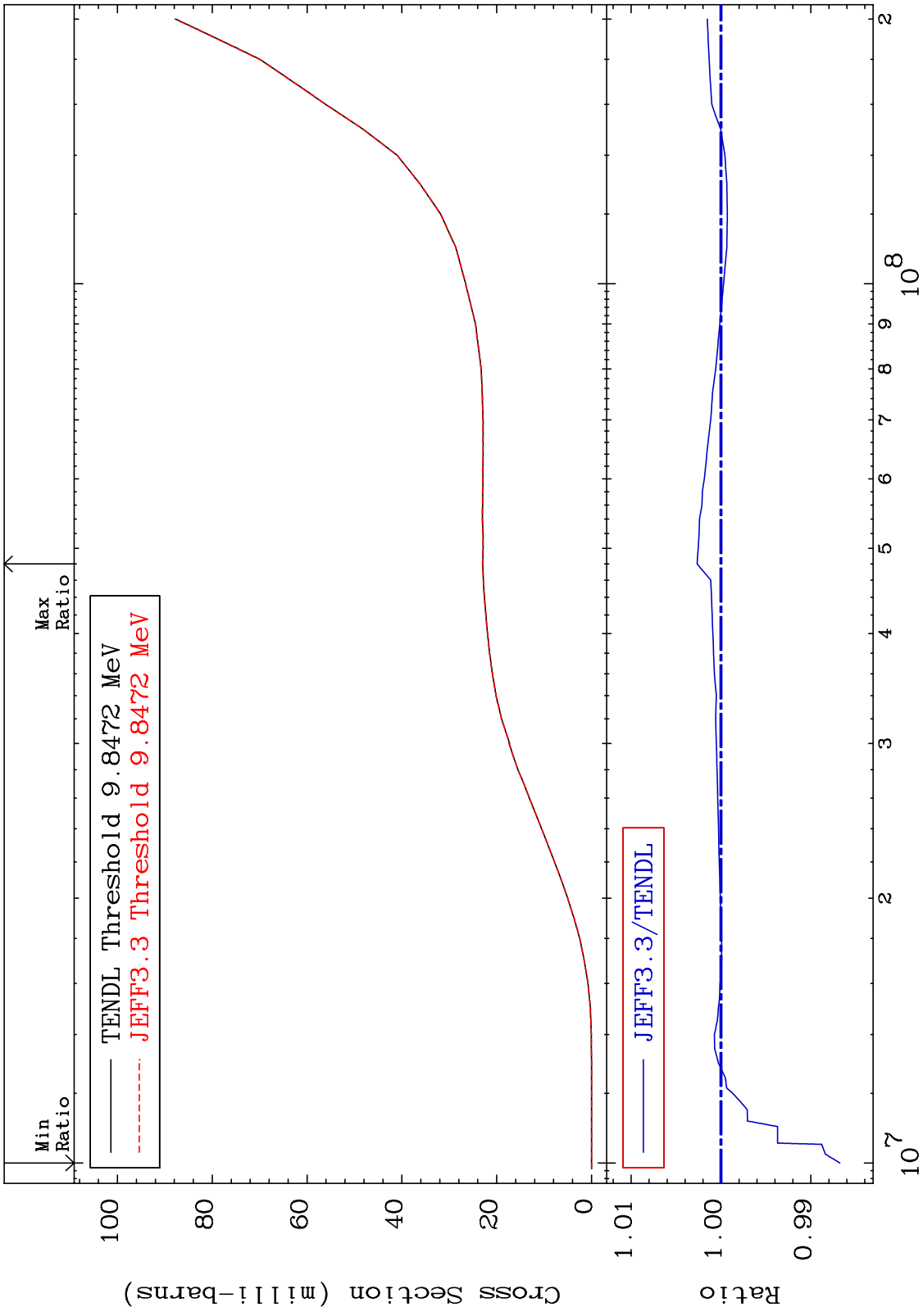
²⁶Fe-55
-1.184 To 0.486 %



MAT 2628 Deuterium Production Cross Section -1.498 To 1.158 % 26-Fe-55

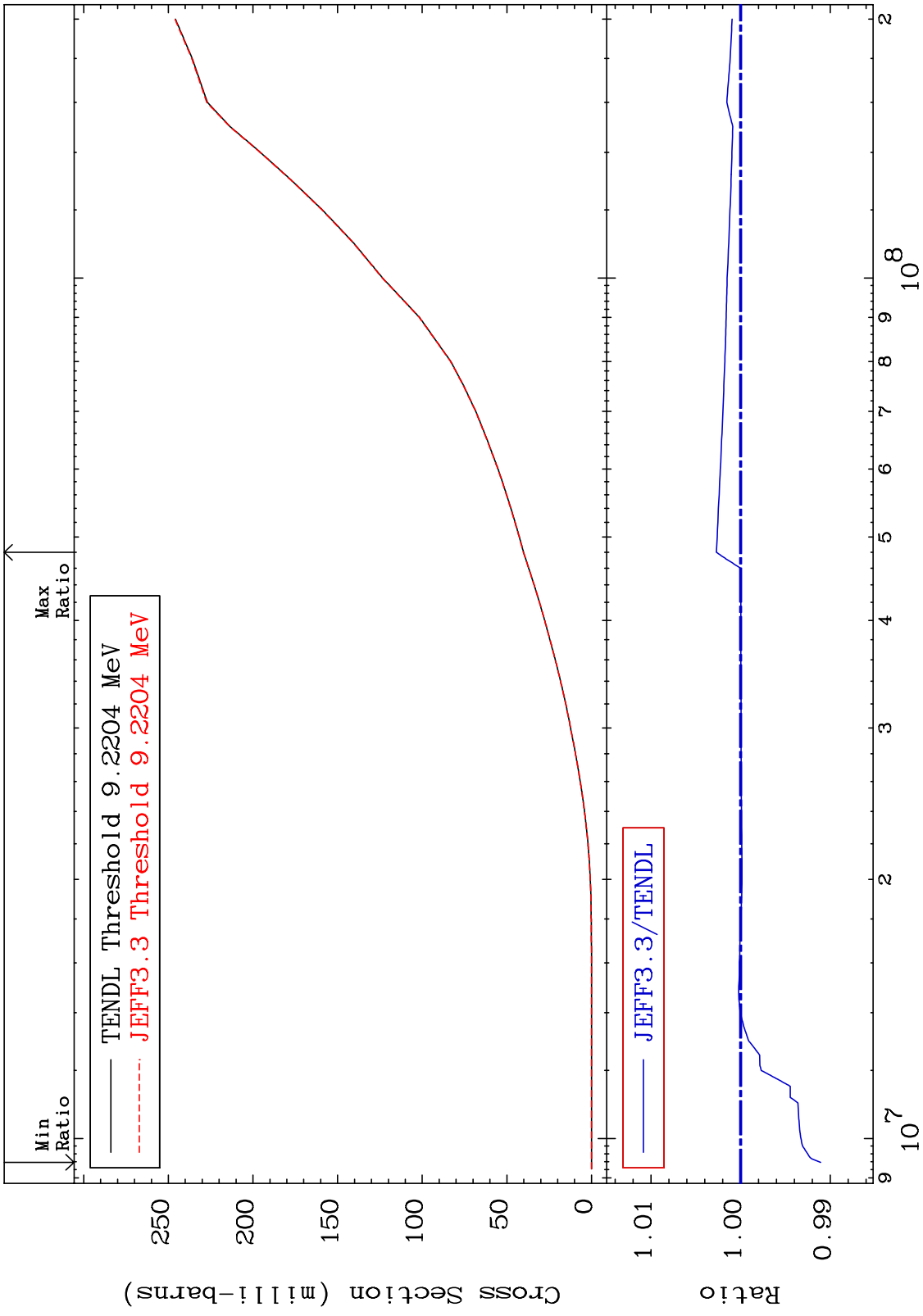


MAT 2628 Tritium Production Cross Section -1.322 To 0.266 % 26-Fe-55



60 10⁷ 2 3 4 5 6 7 8 9 10⁸ 20 40 60 80 100 26-Fe-55

MAT 2628 He-3 Production Cross Section -0.891 To 0.271 % 26-Fe-55

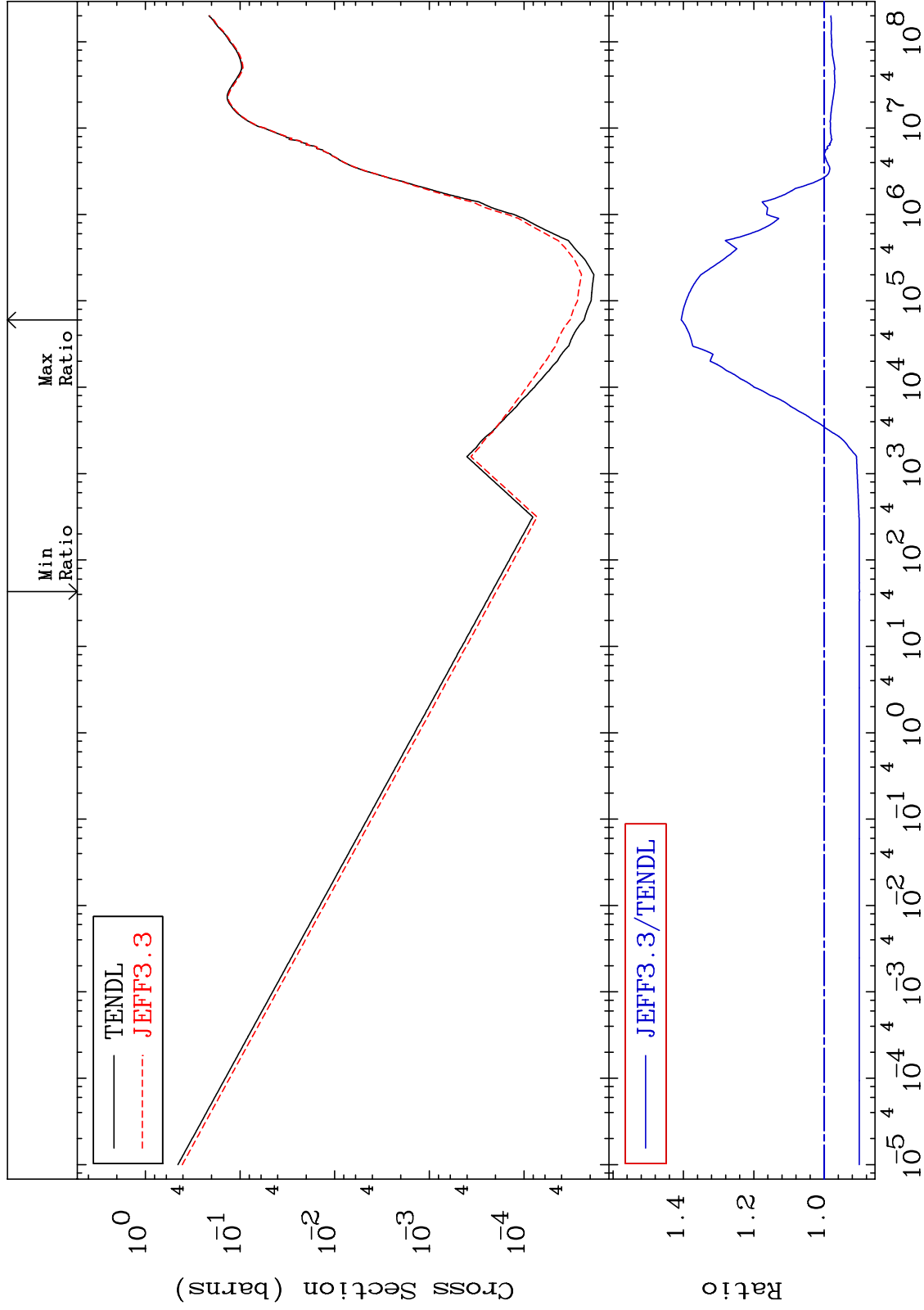


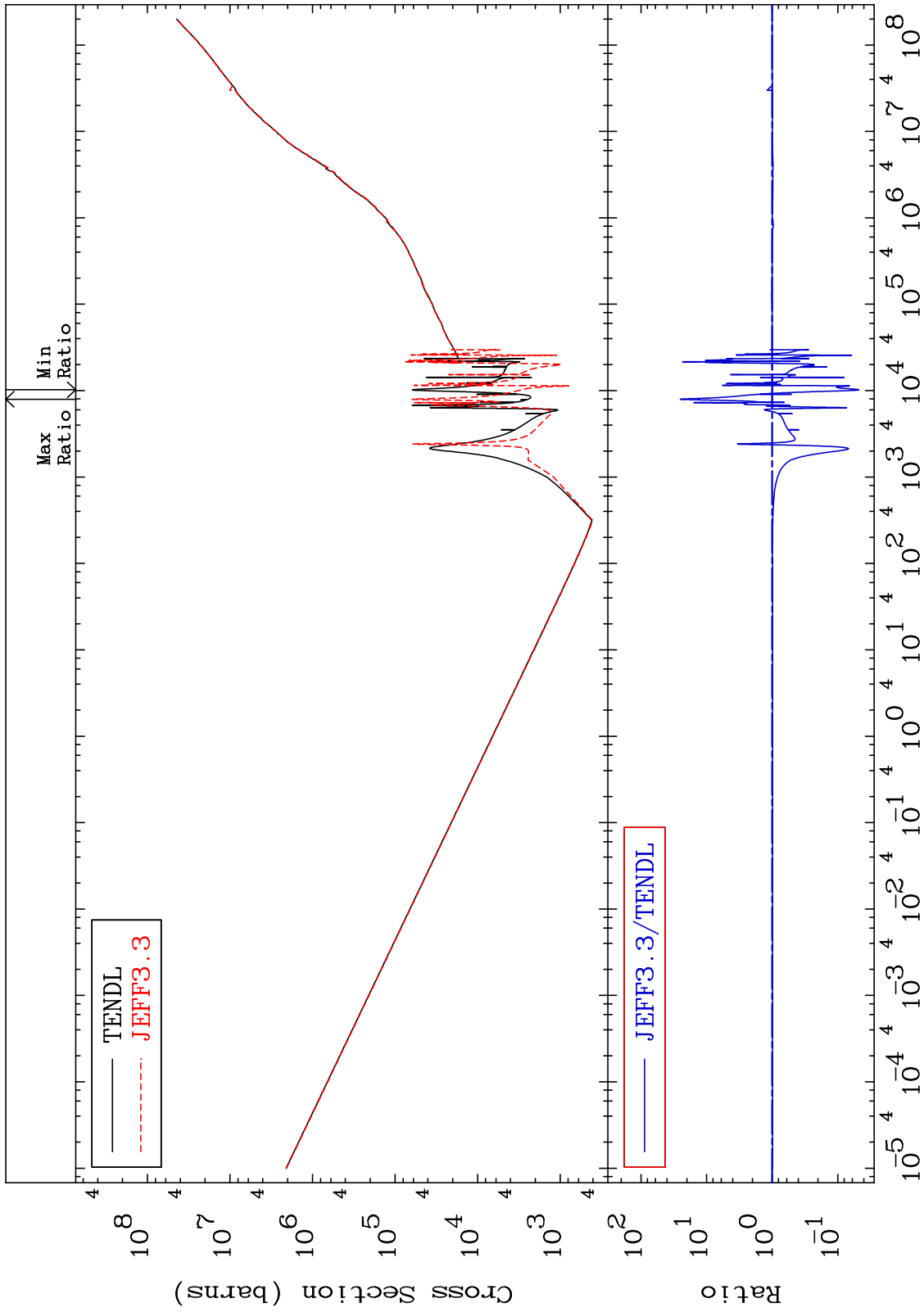
61 Incident Energy (eV) 26-Fe-55

MAT 2628

He-4 Production
Cross Section

26-Fe-55
-10.09 To 40.61 %

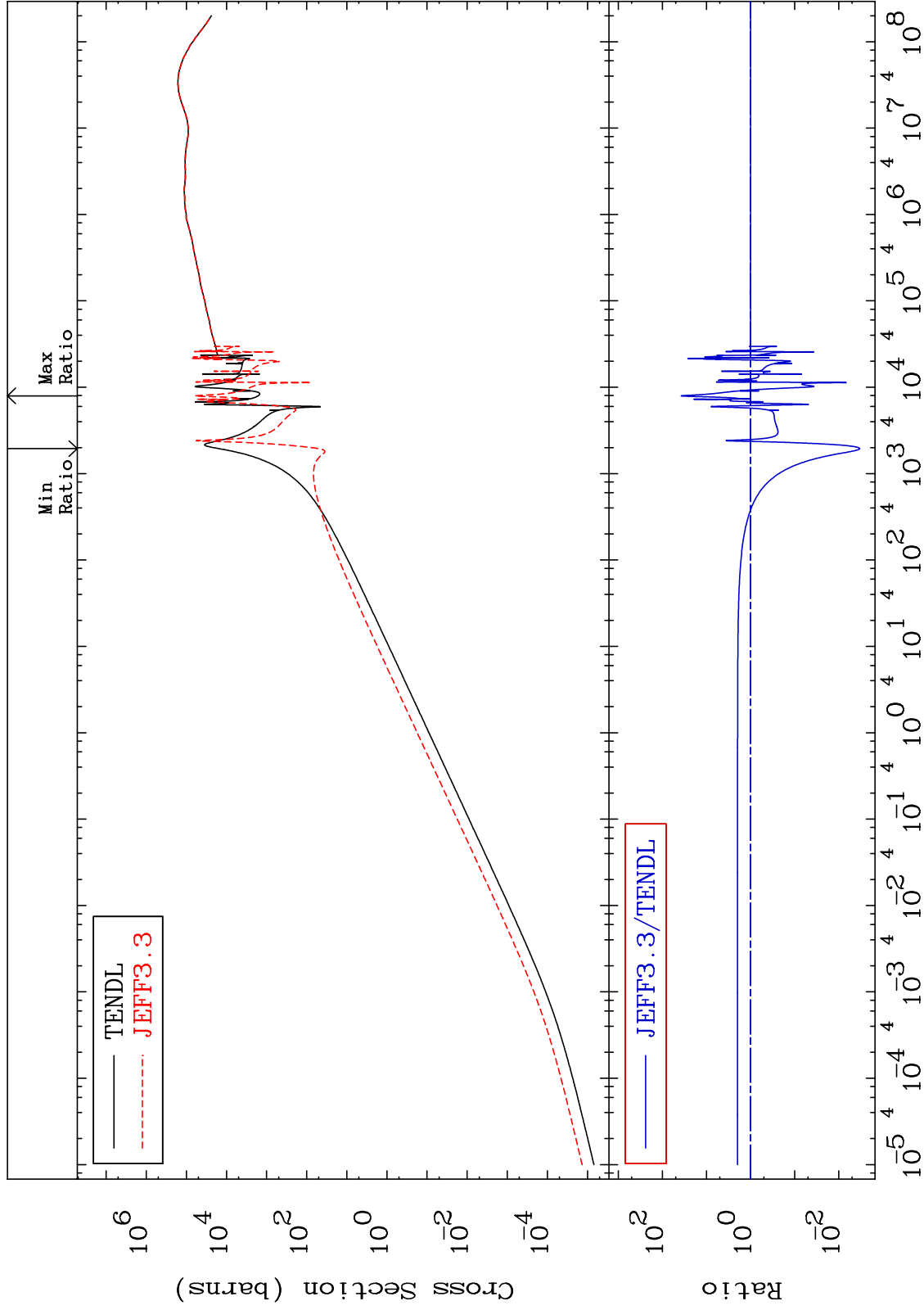




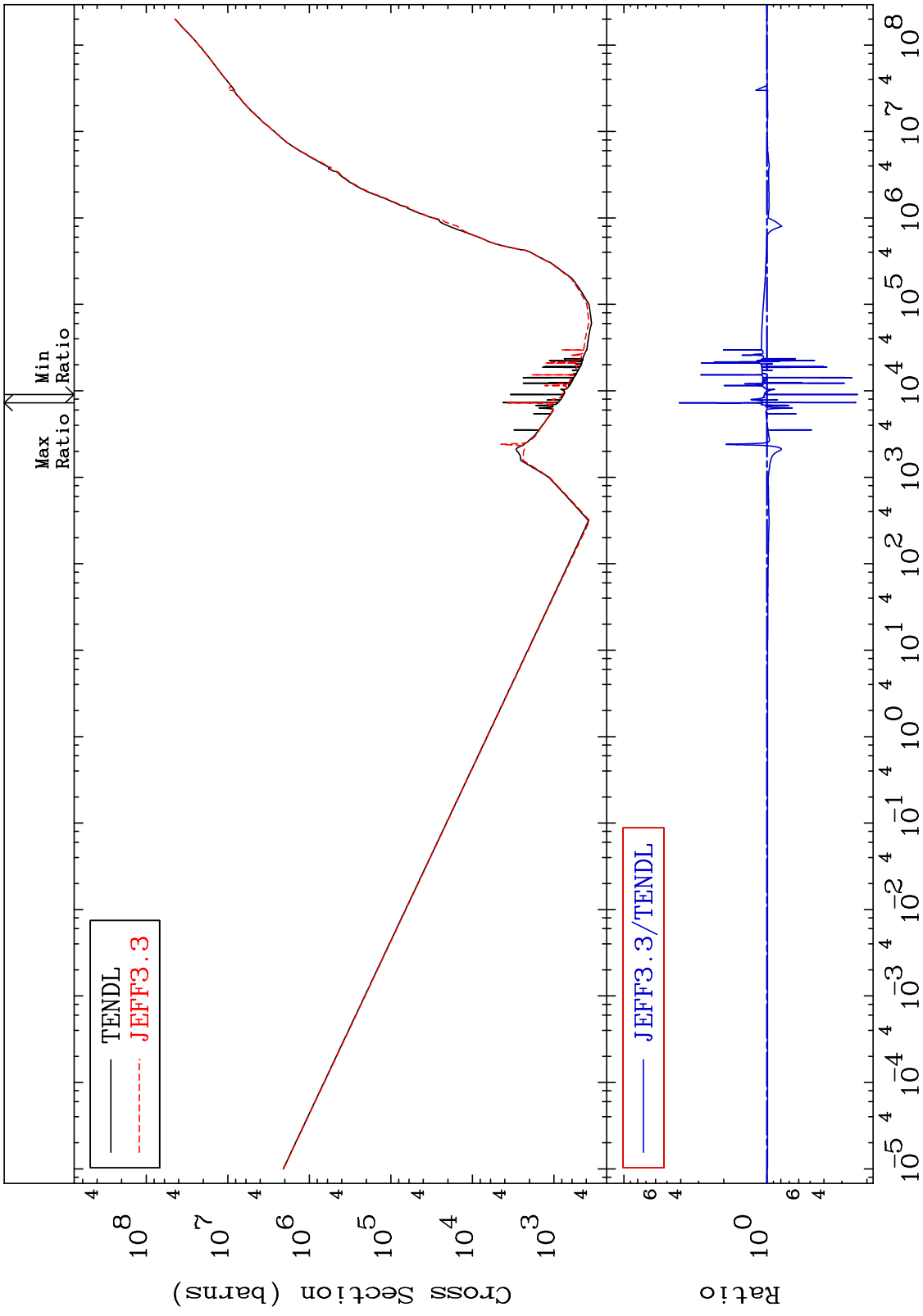
MAT 2628

Kerma elastic
Cross Section

26-Fe-55
-99.67 To 3628. %



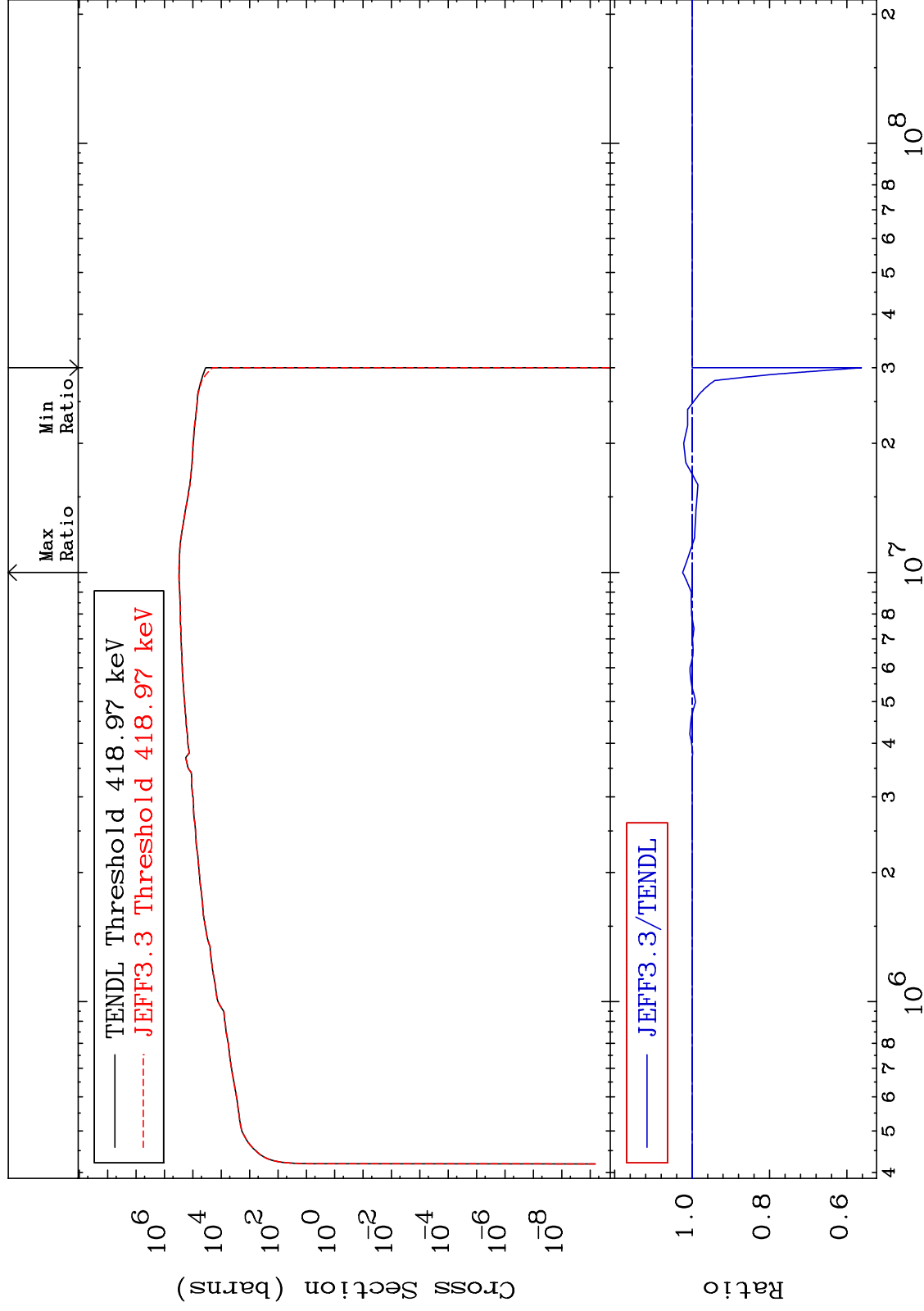
MAT 2628 Kerma non-elastic (all but mt2) Cross Section 26-Fe-55
 -76.82 To 311.3 %



MAT 2628

Kerma inelastic (mt51-91)
Cross Section

26-Fe-55
-43.71 To 2.449 %



66

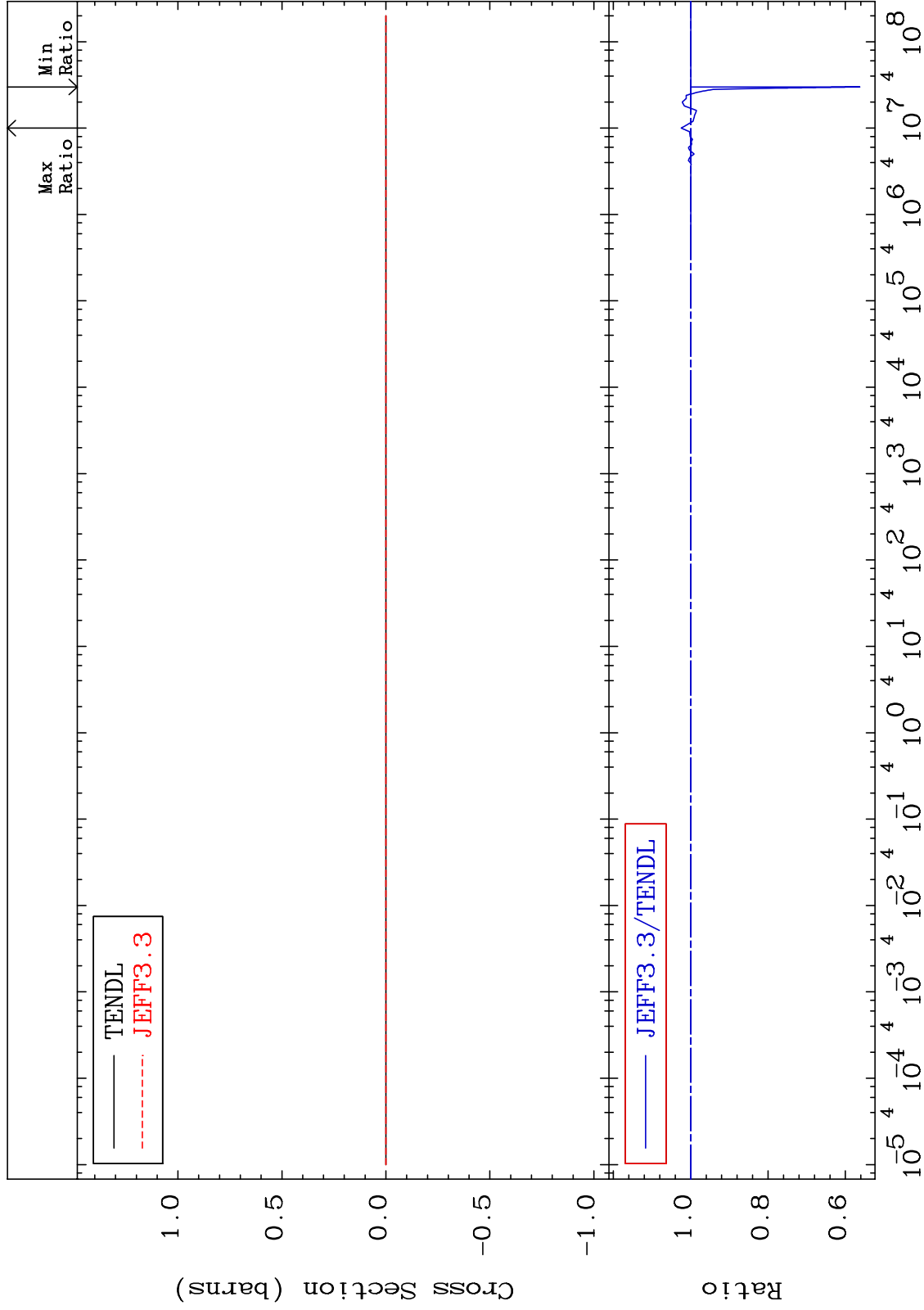
Incident Energy (eV)

26-Fe-55

MAT 2628

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

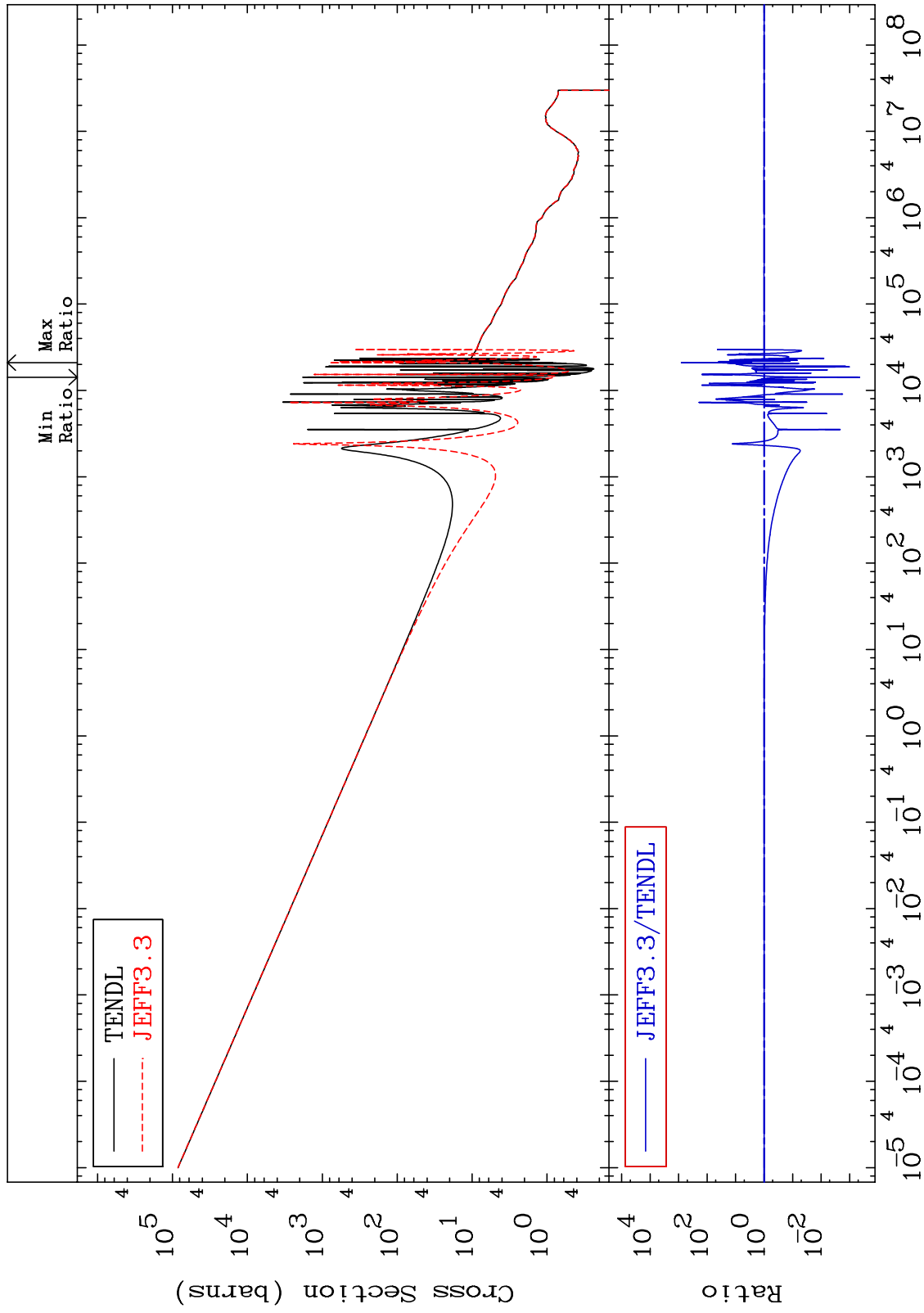
26-Fe-55
-43.71 To 2.449 %



MAT 2628

Kerma capture (mt102)
Cross Section

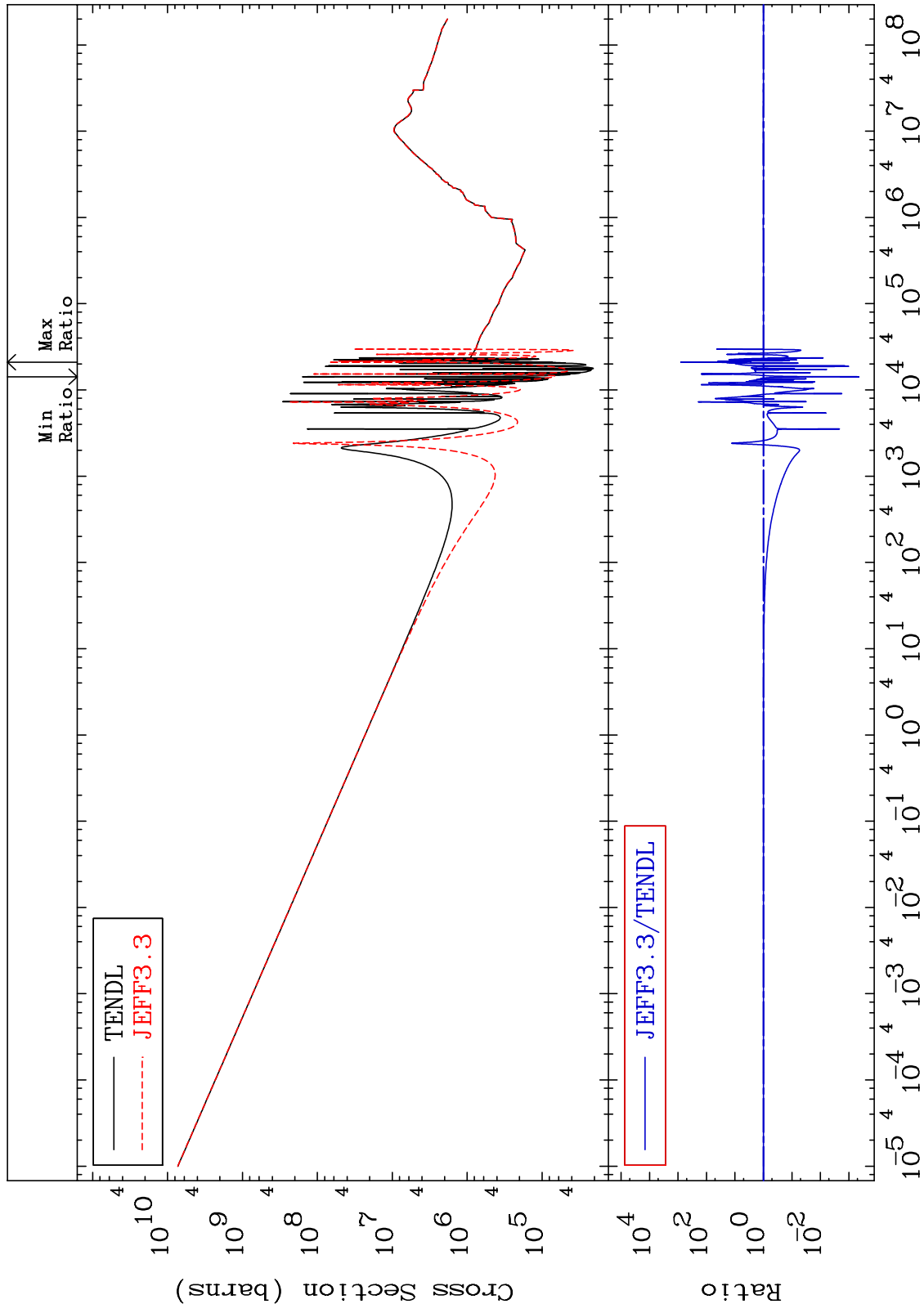
26-Fe-55
-99.96 To 9999. %



MAT 2628

Total photon (eV-barns)
Cross Section

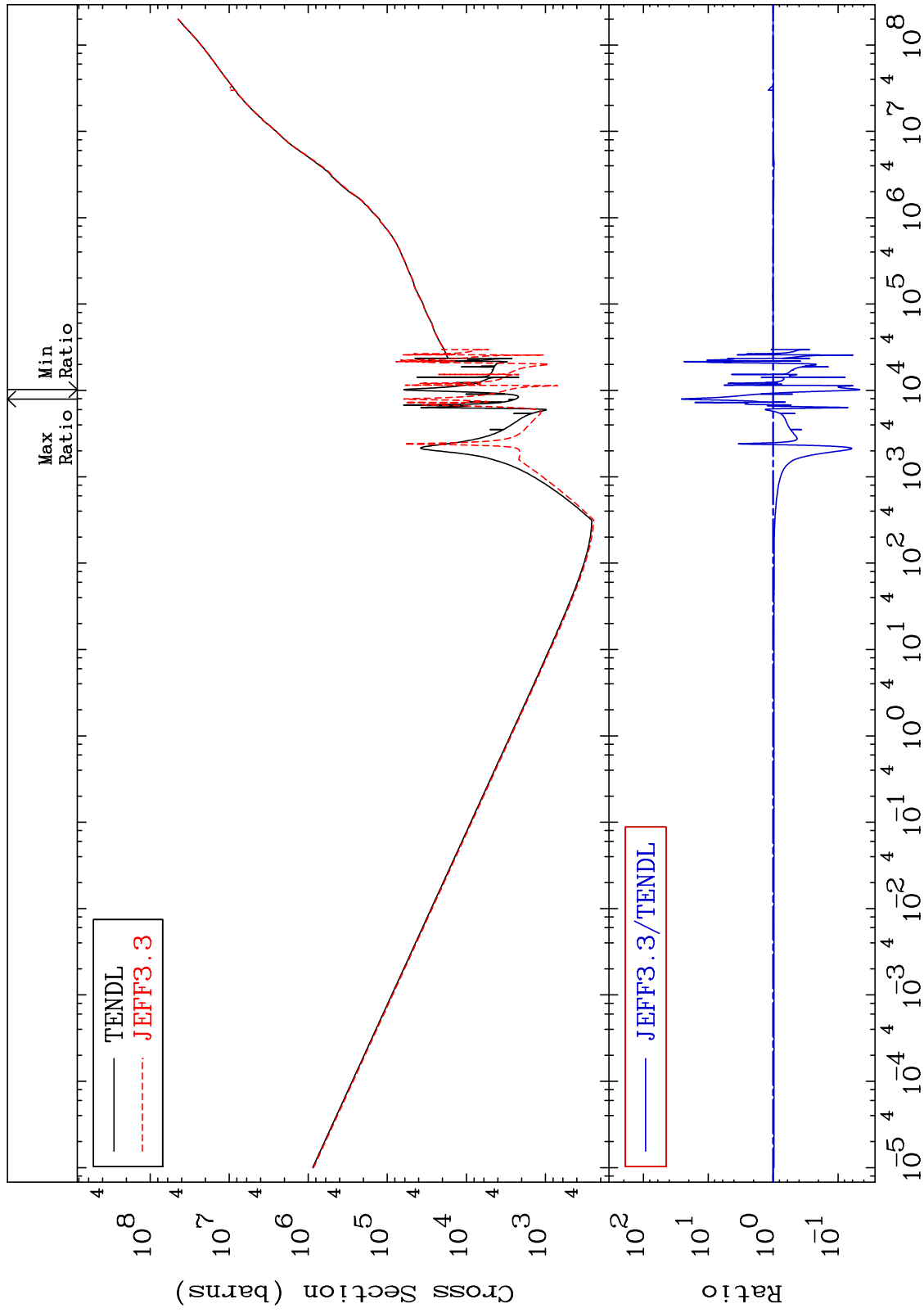
26-Fe-55
-99.96 To 9999. %



MAT 2628

Total kinematic kerma (high limit)
Cross Section

26-Fe-55
-95.37 To 2507. %

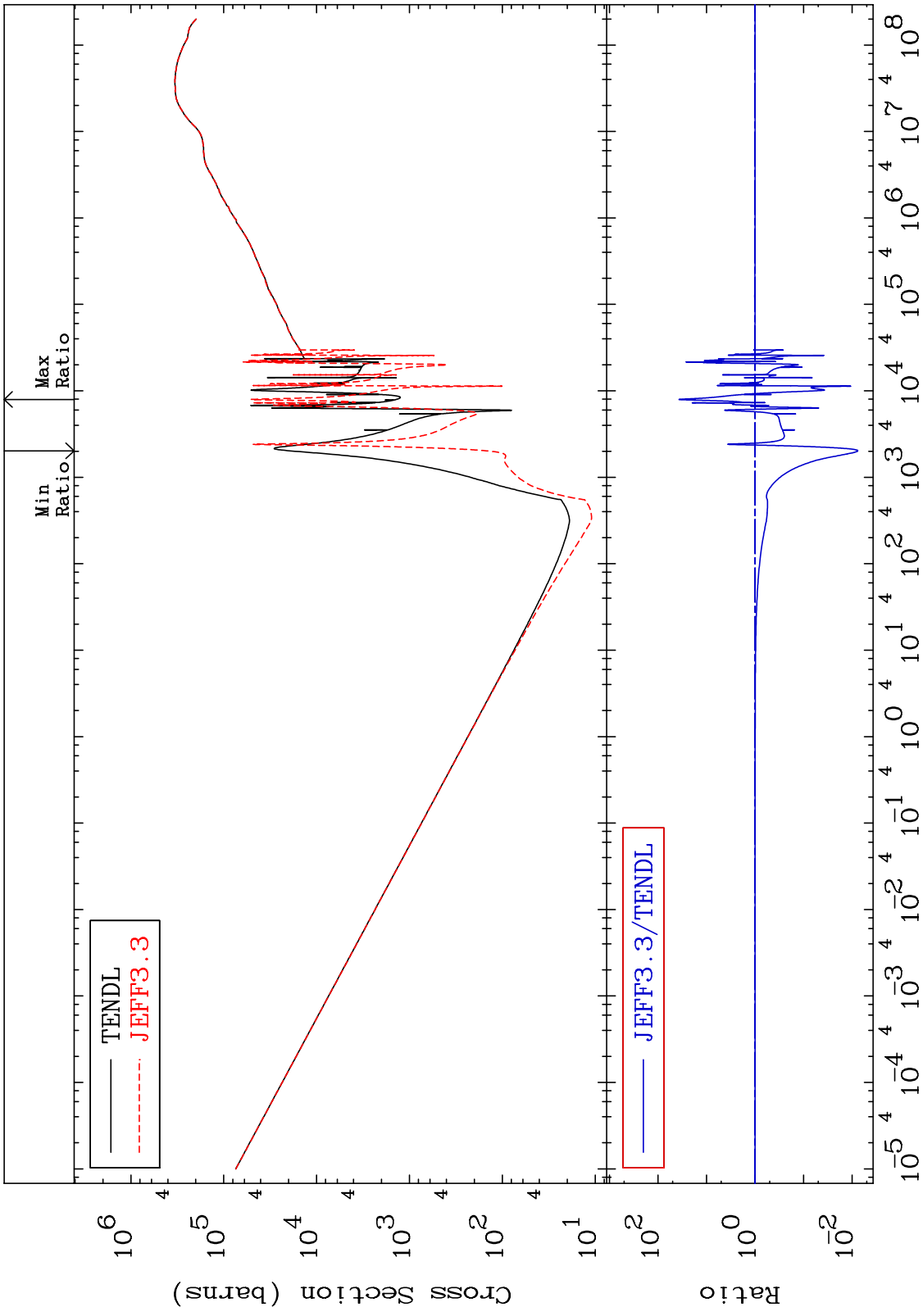


70

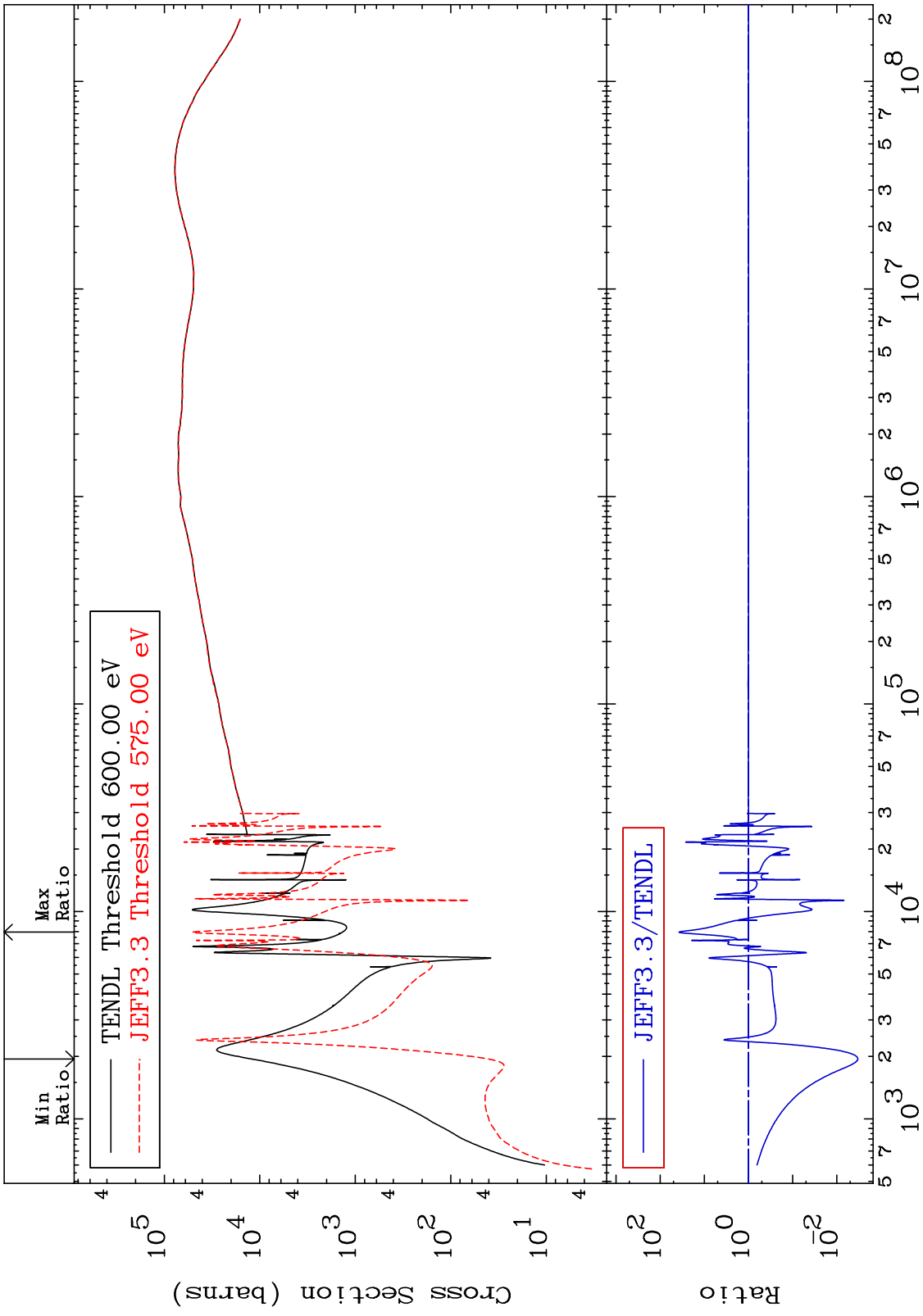
Incident Energy (eV)

26-Fe-55

MAT 2628 Dpa total (eV-barns) 26-Fe-55
 Cross Section -99.24 To 3582. %



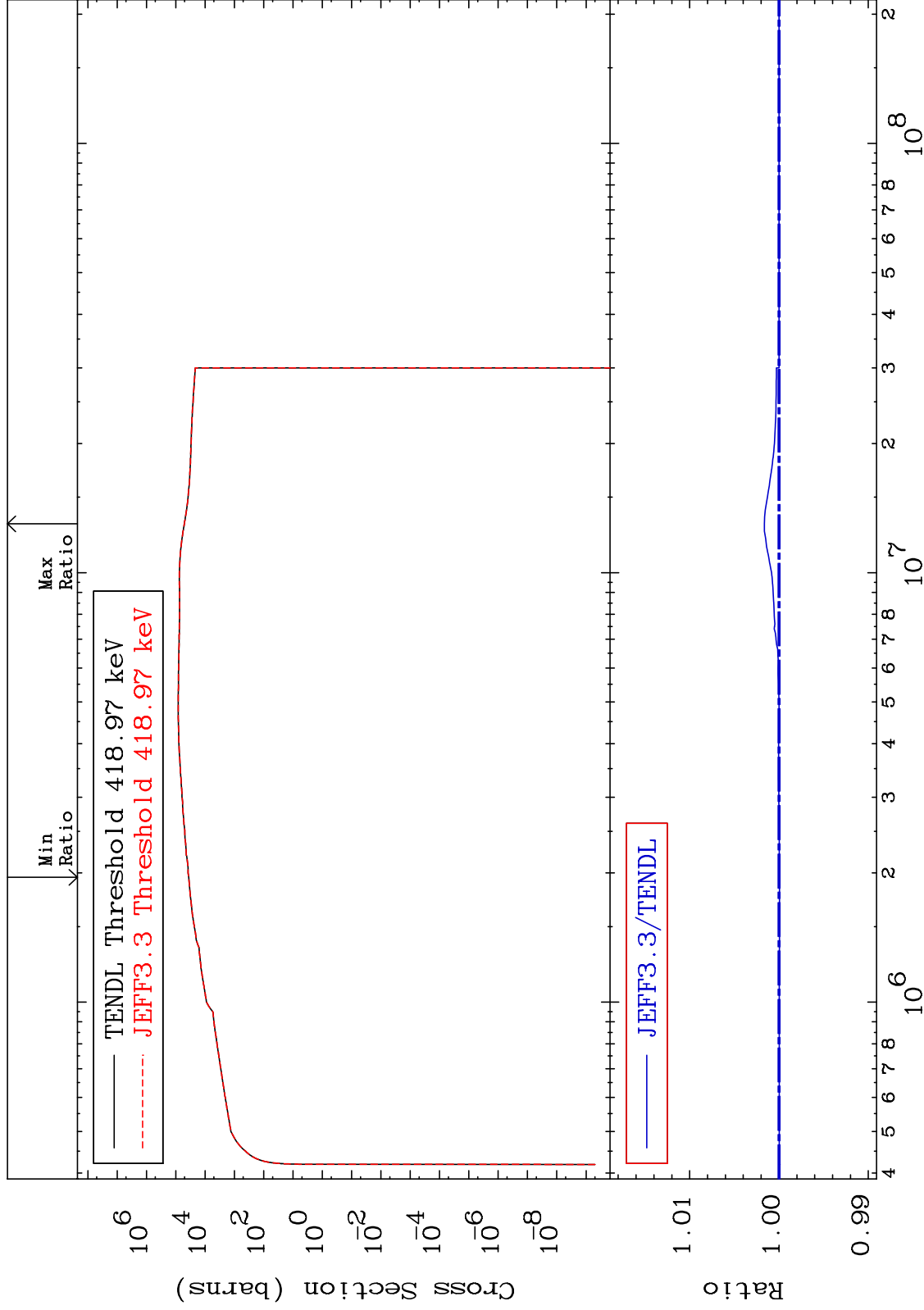
MAT 2628 26-Fe-55
 Dpa elastic (mt2) -99.67 To 3628. %
 Cross Section



MAT 2628

Dpa inelastic (mt51-91)
Cross Section

26-Fe-55
-0.005 To 0.164 %



73

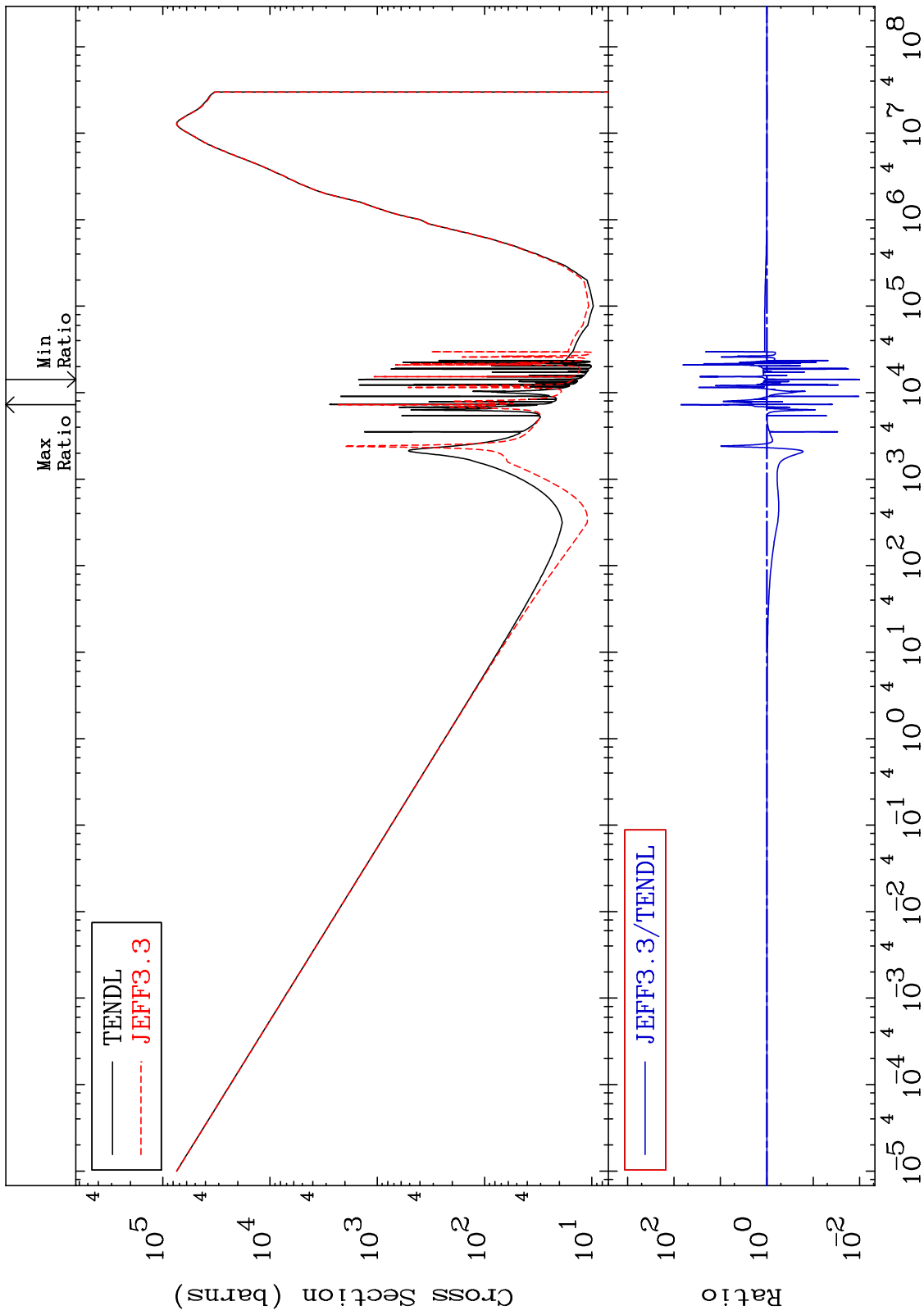
Incident Energy (eV)

26-Fe-55

MAT 2628

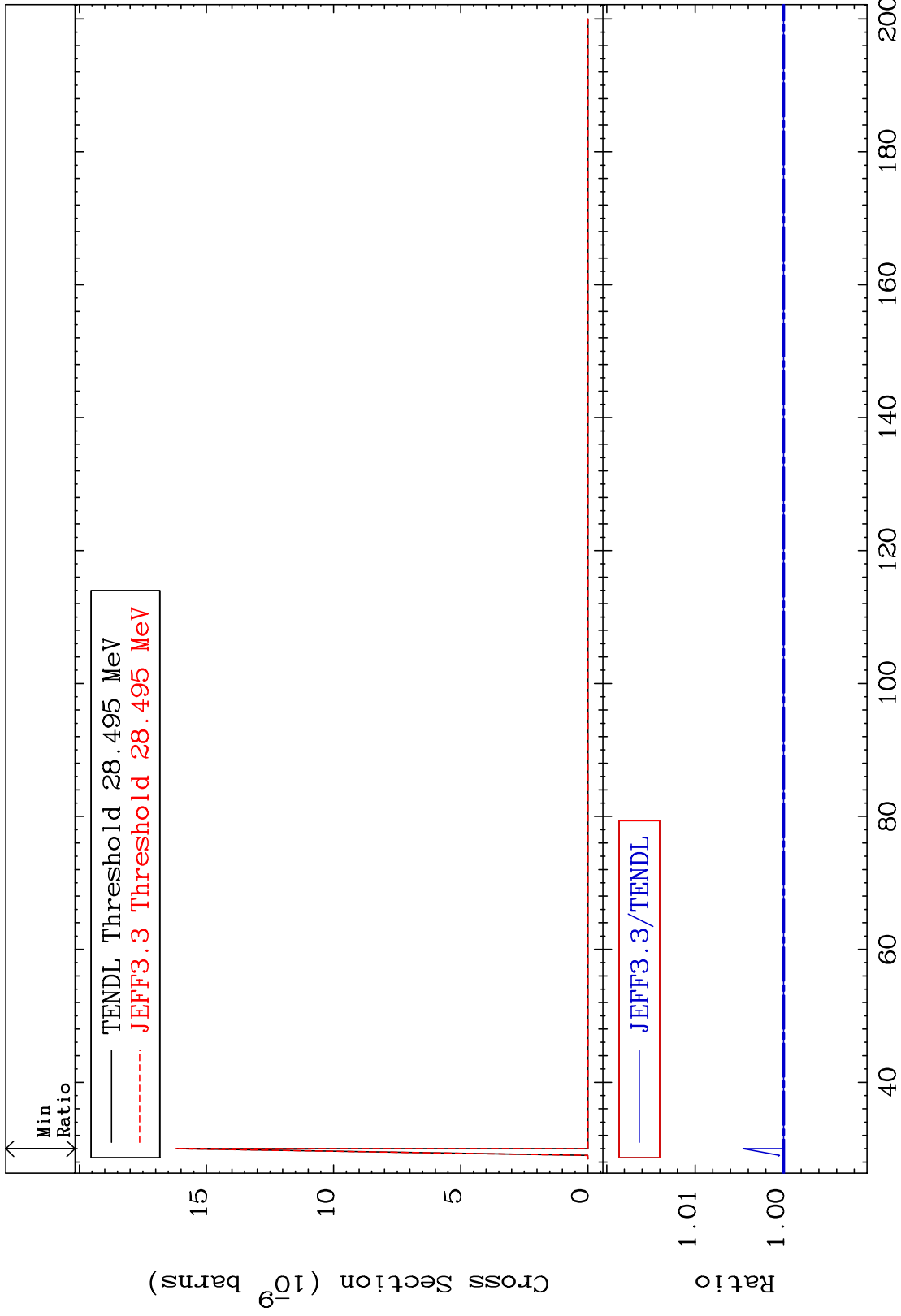
Dpa disappearance (mt102 -120)
Cross Section

26-Fe-55
-99.00 To 7038. %



MAT 2628

(n,2n) d:25-Mn-52g 26-Fe-55
Radionuclide Production Cross Section 0.000 To 0.458 %



75

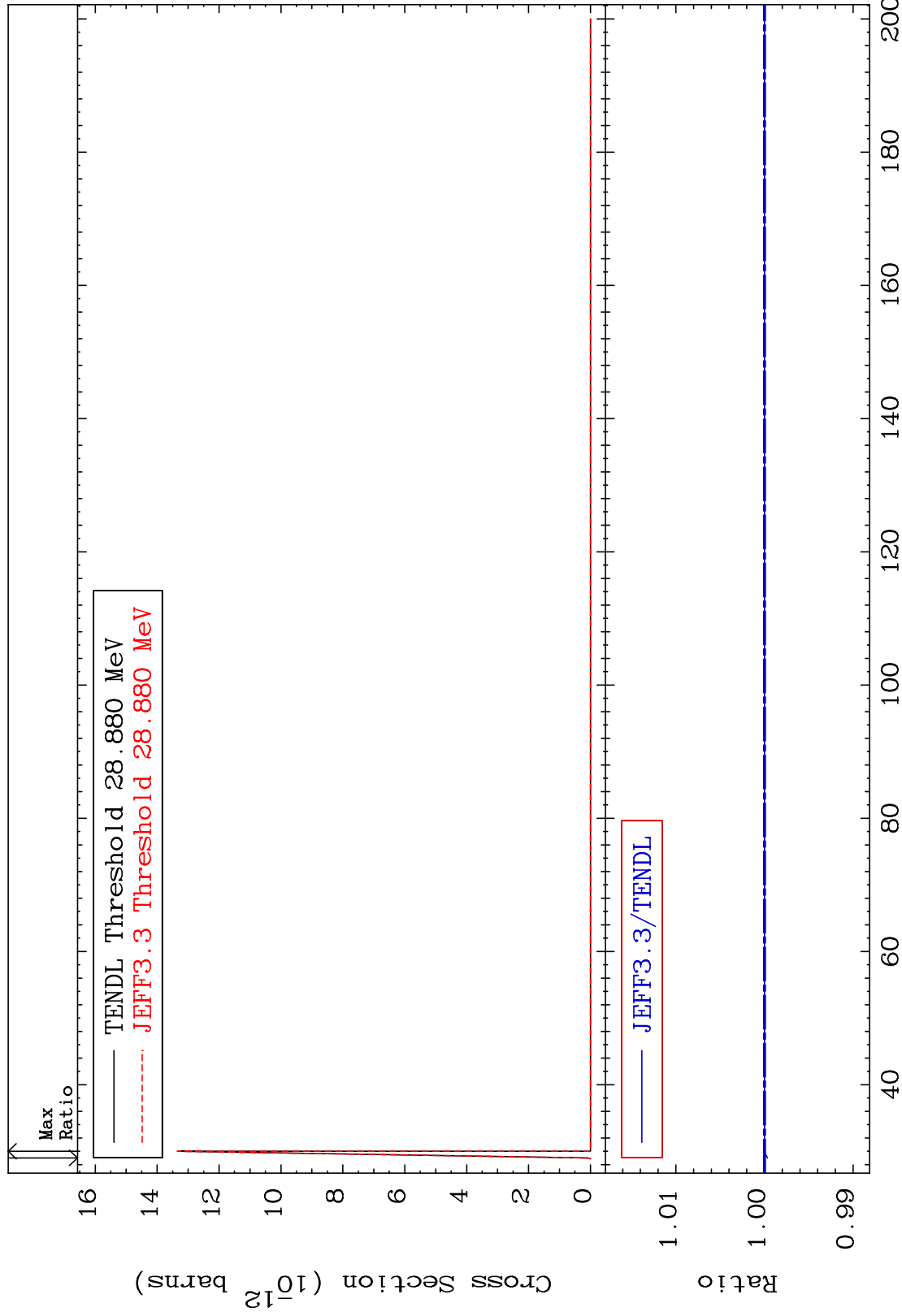
26-Fe-55

MAT 2628

(n,2n) d:25-Mn-52m1

26-Fe-55

Radionuclide Production Cross Section -0.035 To 0.004 %

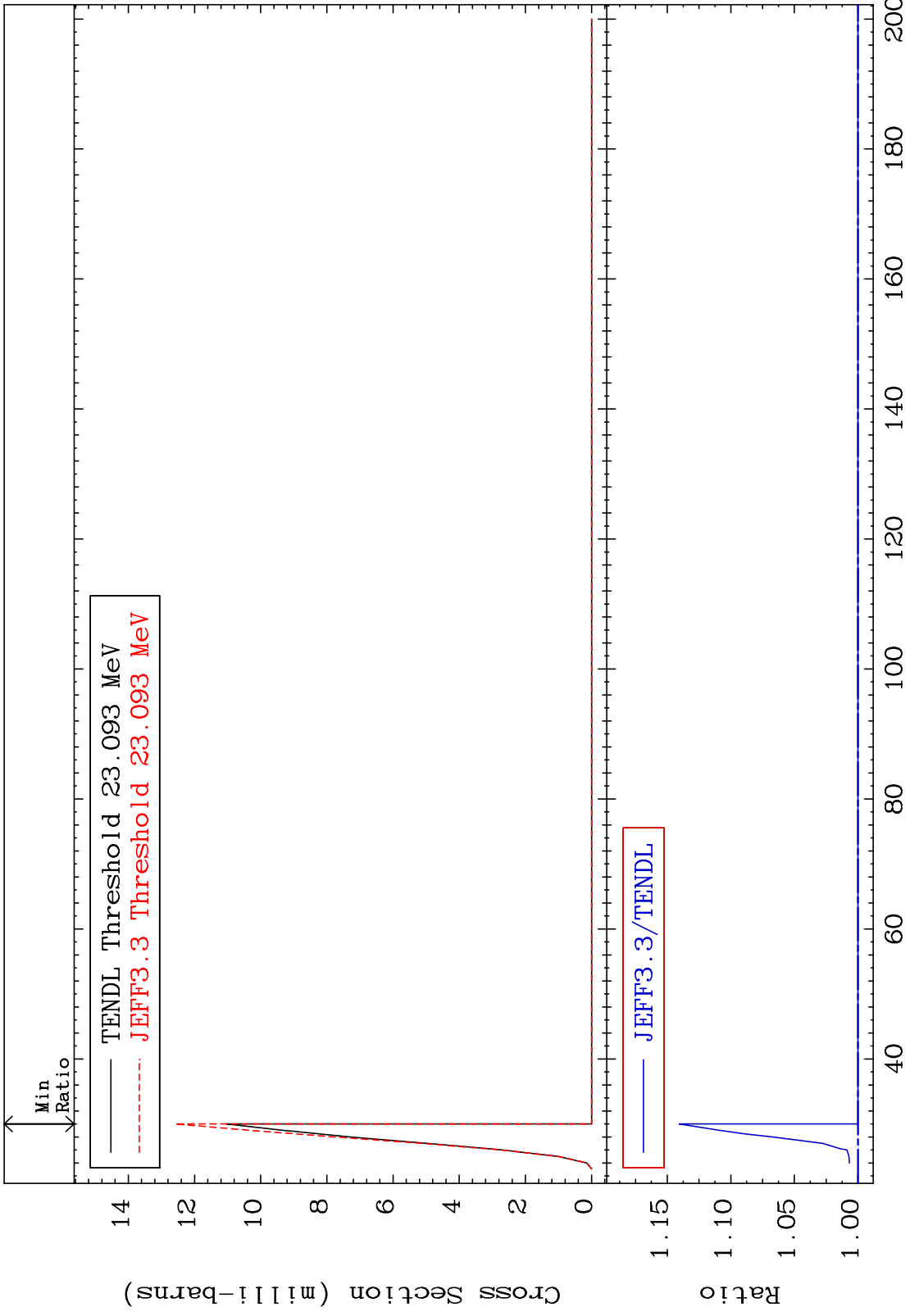


76

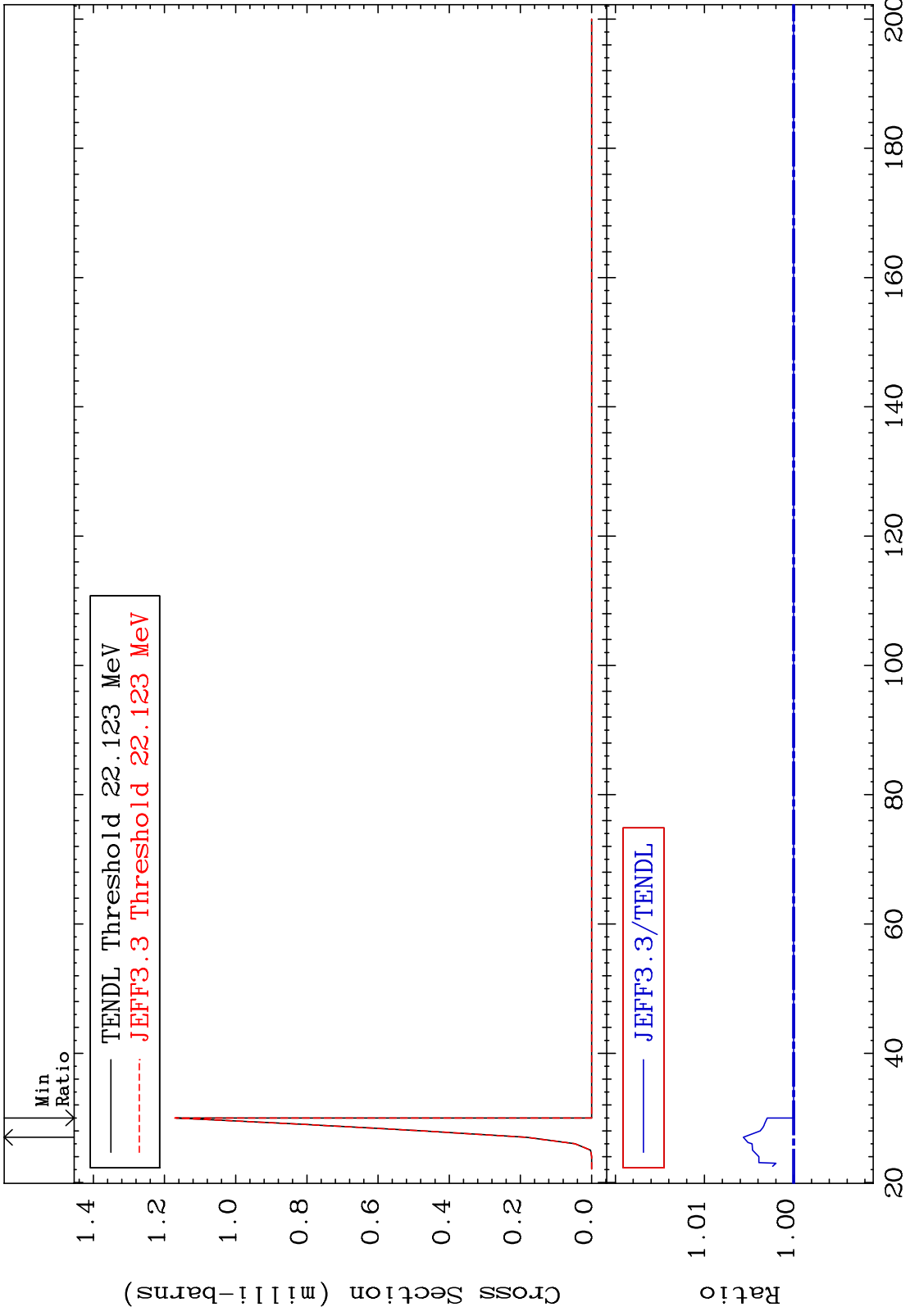
Incident Energy (MeV)

26-Fe-55

MAT 2628 (n,3n):26-Fe-53g 26-Fe-55
 Radionuclide Production Cross Section 0.000 To 14.07 %



MAT 2628 (n,n') t:25-Mn-52g 26-Fe-55
Radionuclide Production Cross Section 0.000 To 0.564 %

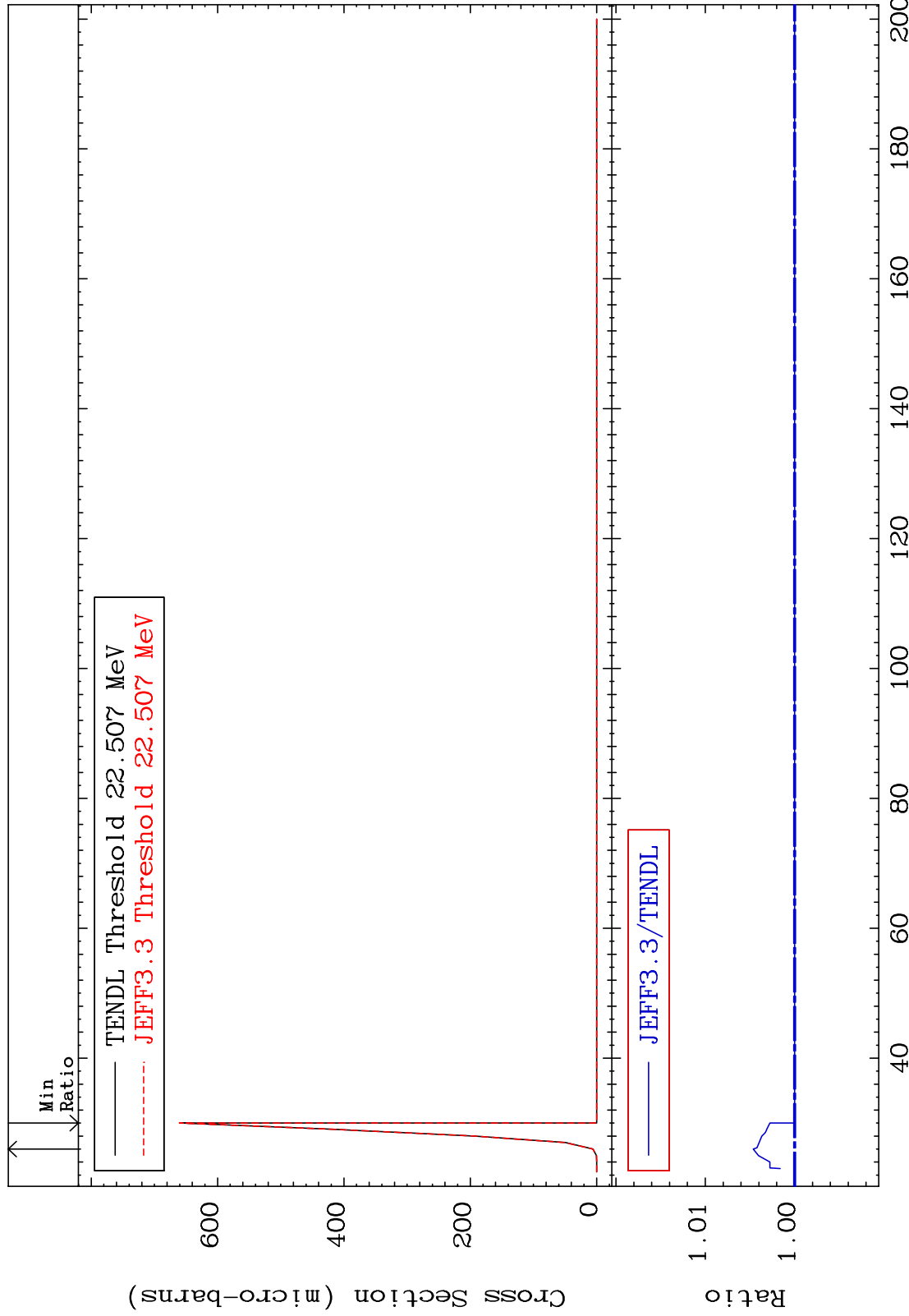


MAT 2628

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

26-Fe-55

Radionuclide Production Cross Section 0.000 To 0.464 %



79

Incident Energy (MeV)

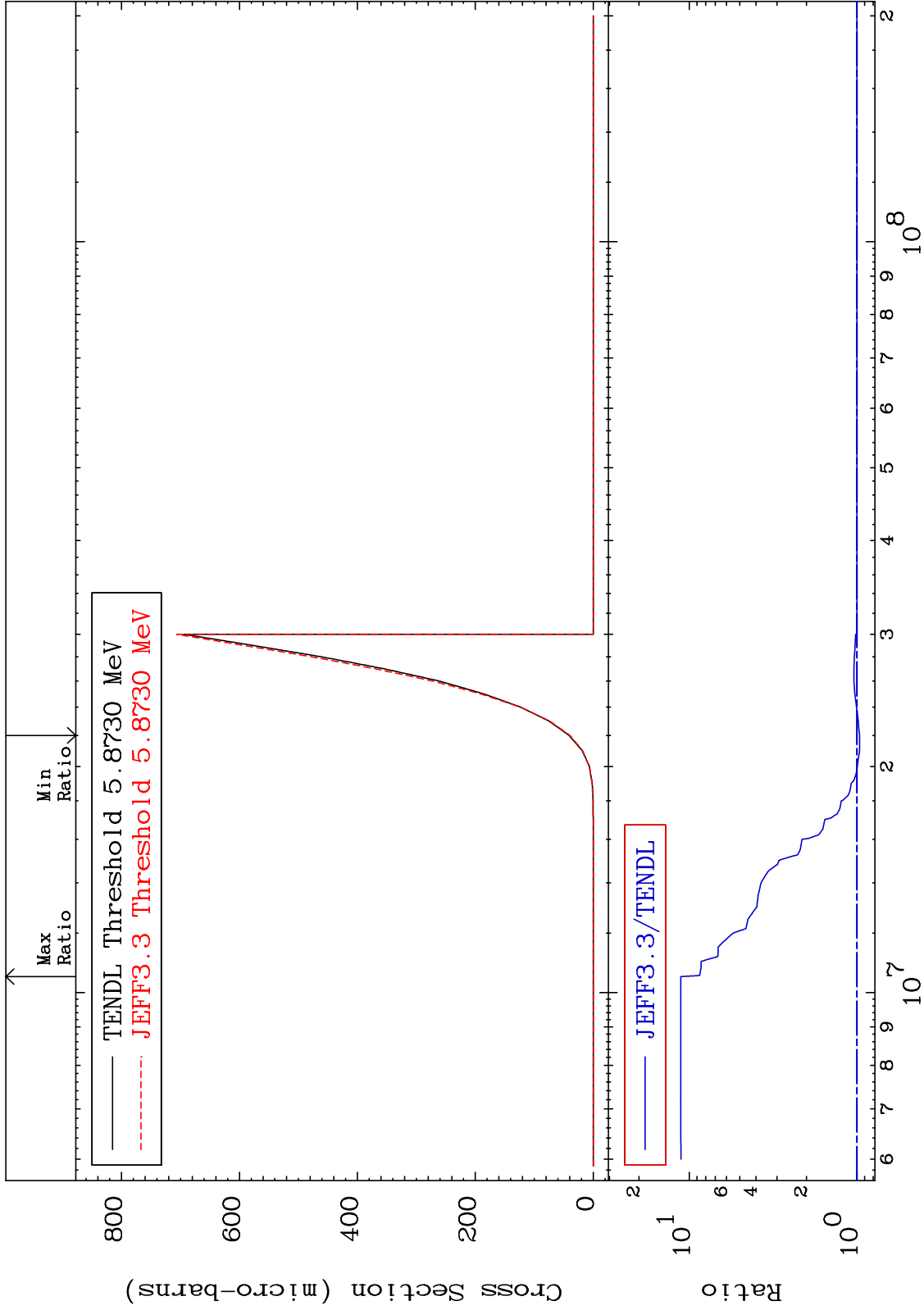
26-Fe-55

MAT 2628

(n,2α):22-Ti-48g

26-Fe-55

Radionuclide Production Cross Section -3.689 To 1024. %



80

Incident Energy (eV)

26-Fe-55