

Program Complot
(Version 2018-1)

by

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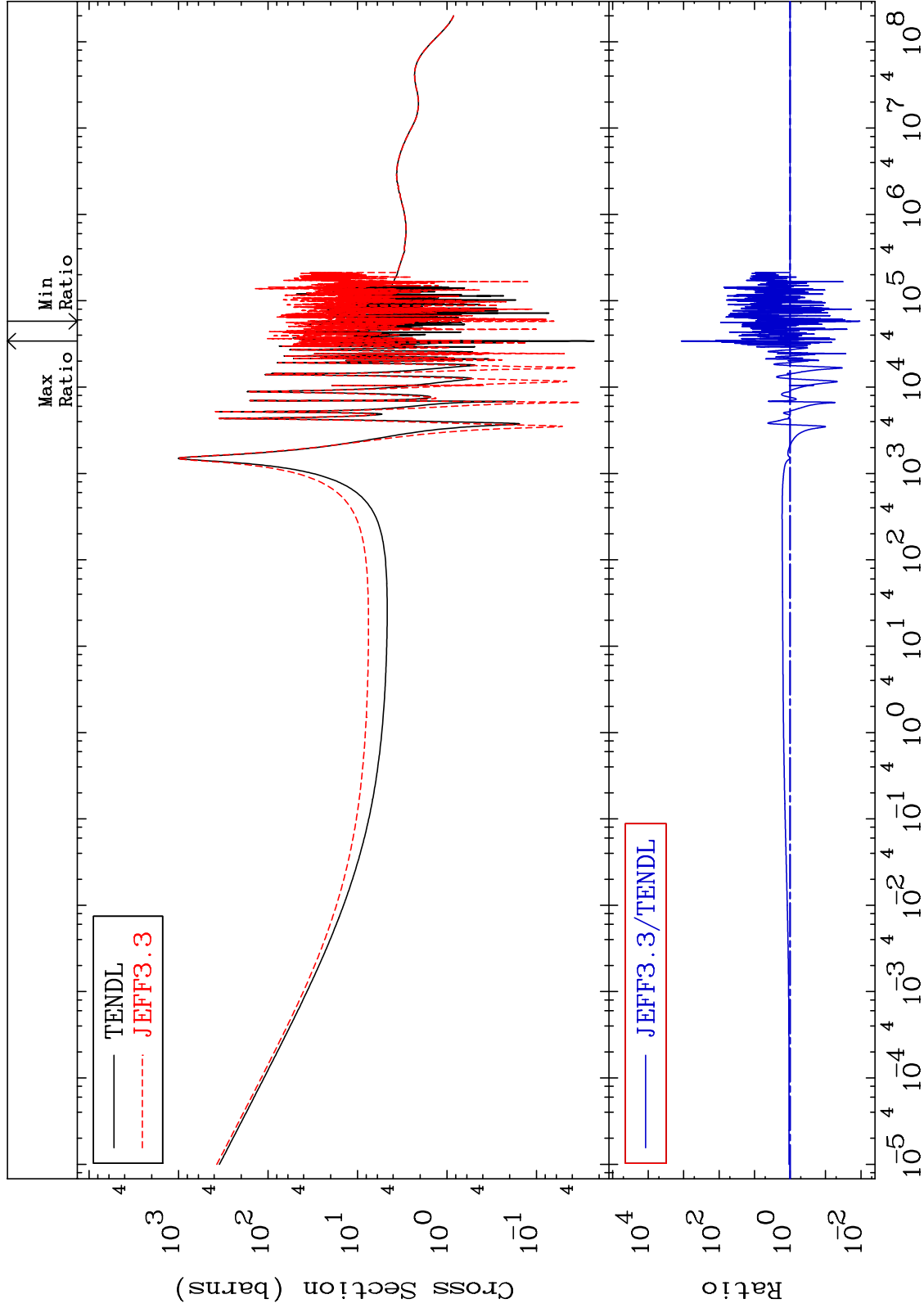
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2034

Total
Cross Section

20-Ca-43
-98.91 To 9999. %



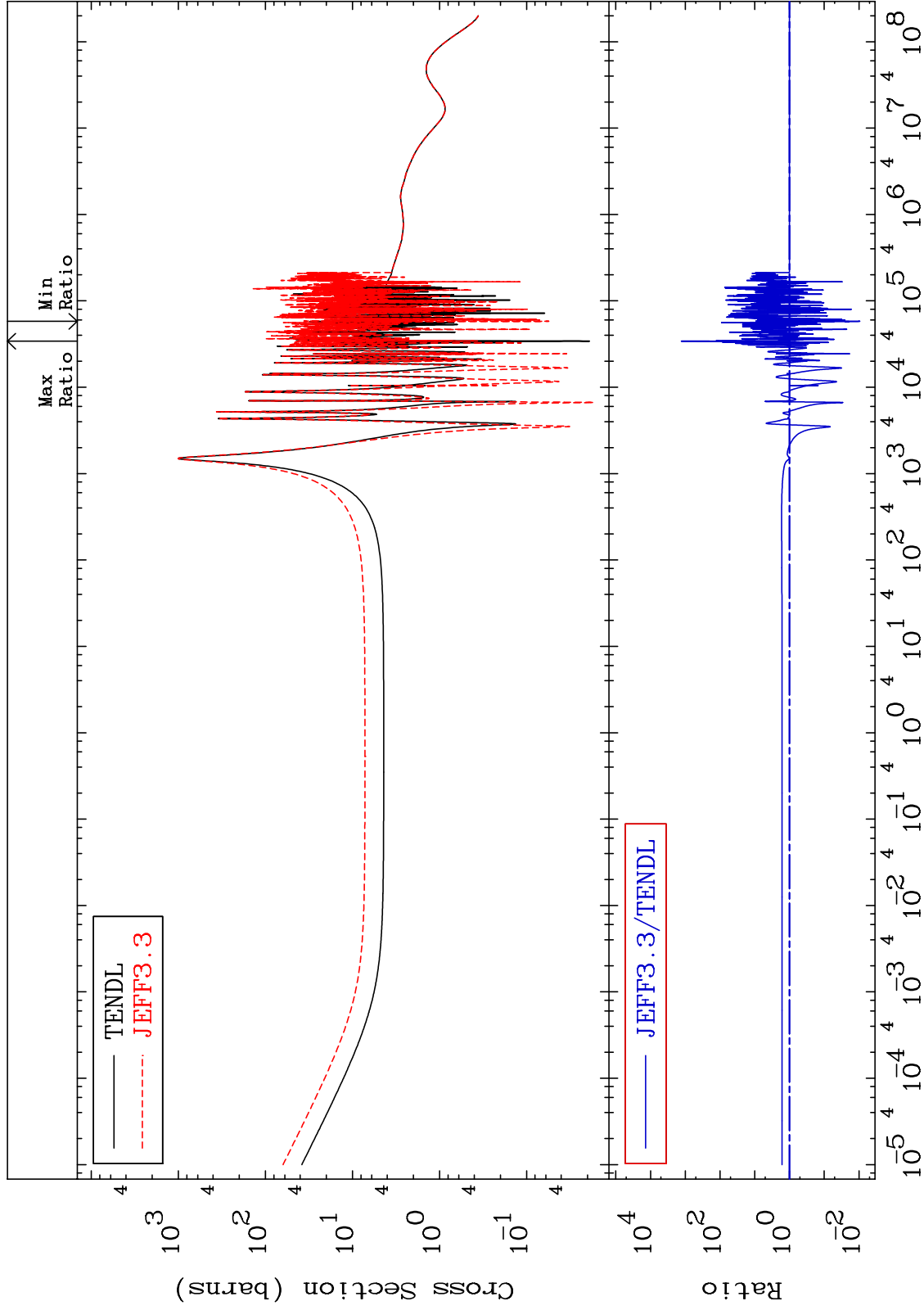
1

20-Ca-43

MAT 2034

Elastic
Cross Section

20-Ca-43
-99.05 To 9999. %



2

Incident Energy (eV)

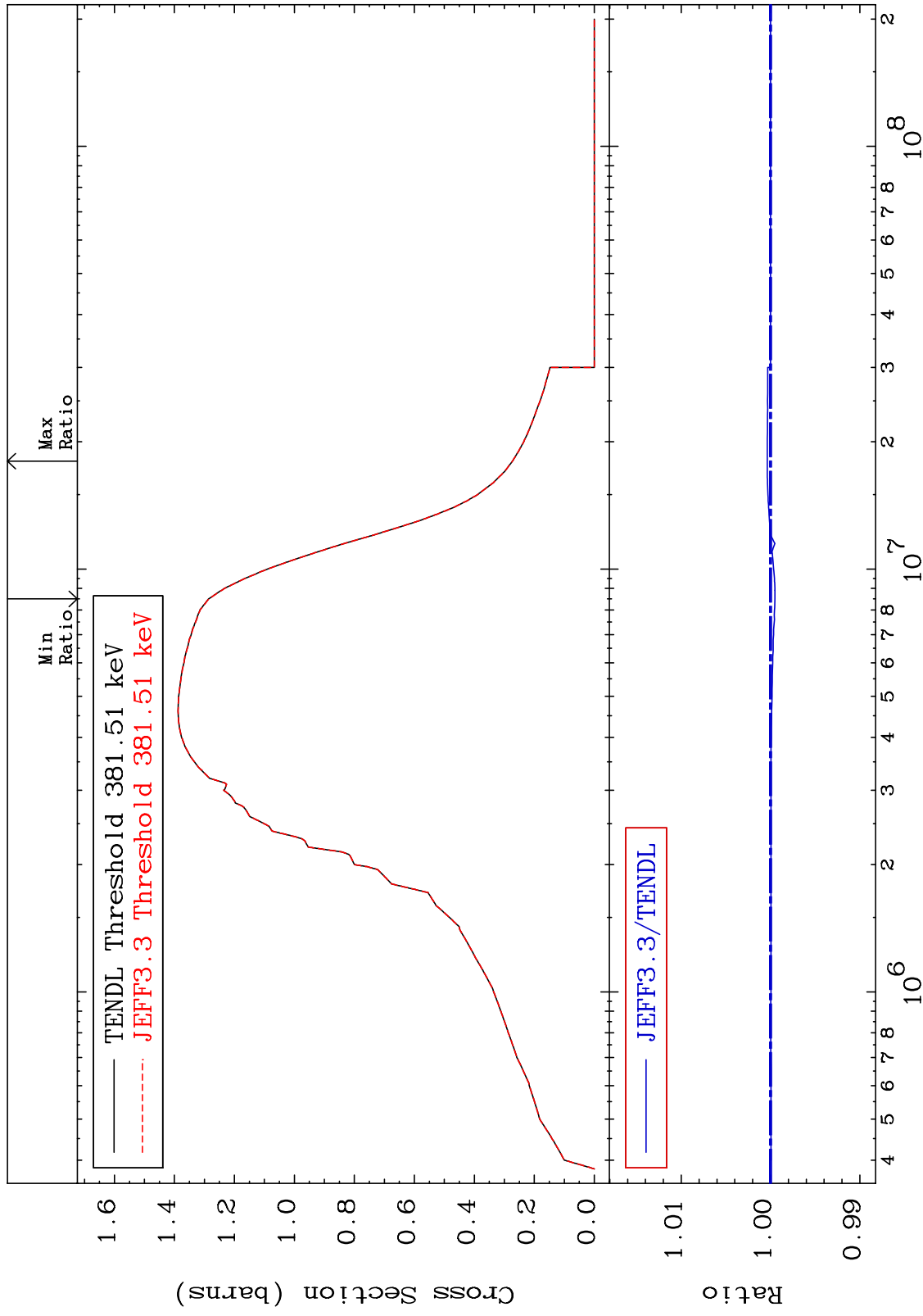
20-Ca-43

MAT 2034

Inelastic

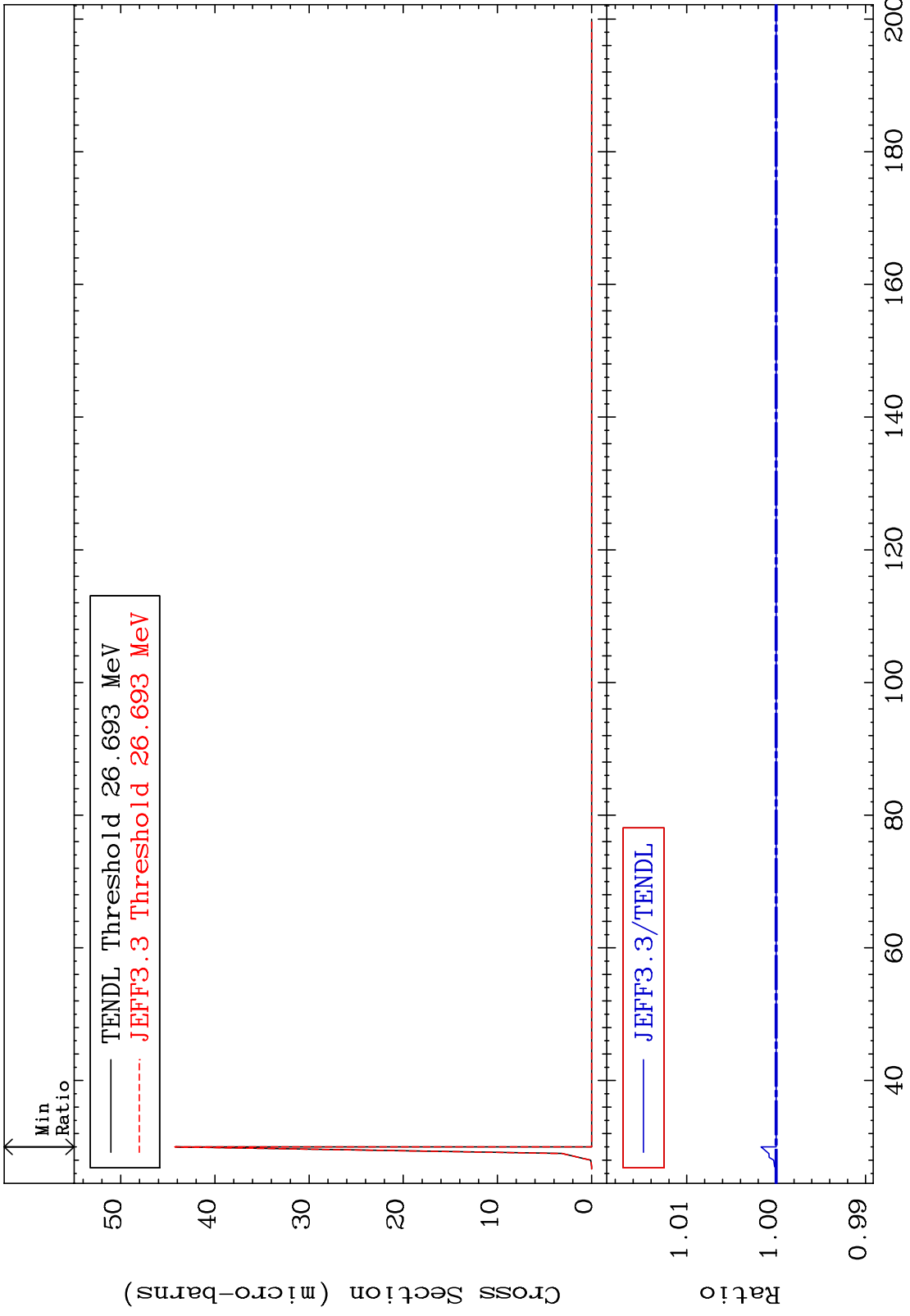
20-Ca-43

-0.049 To 0.038 %

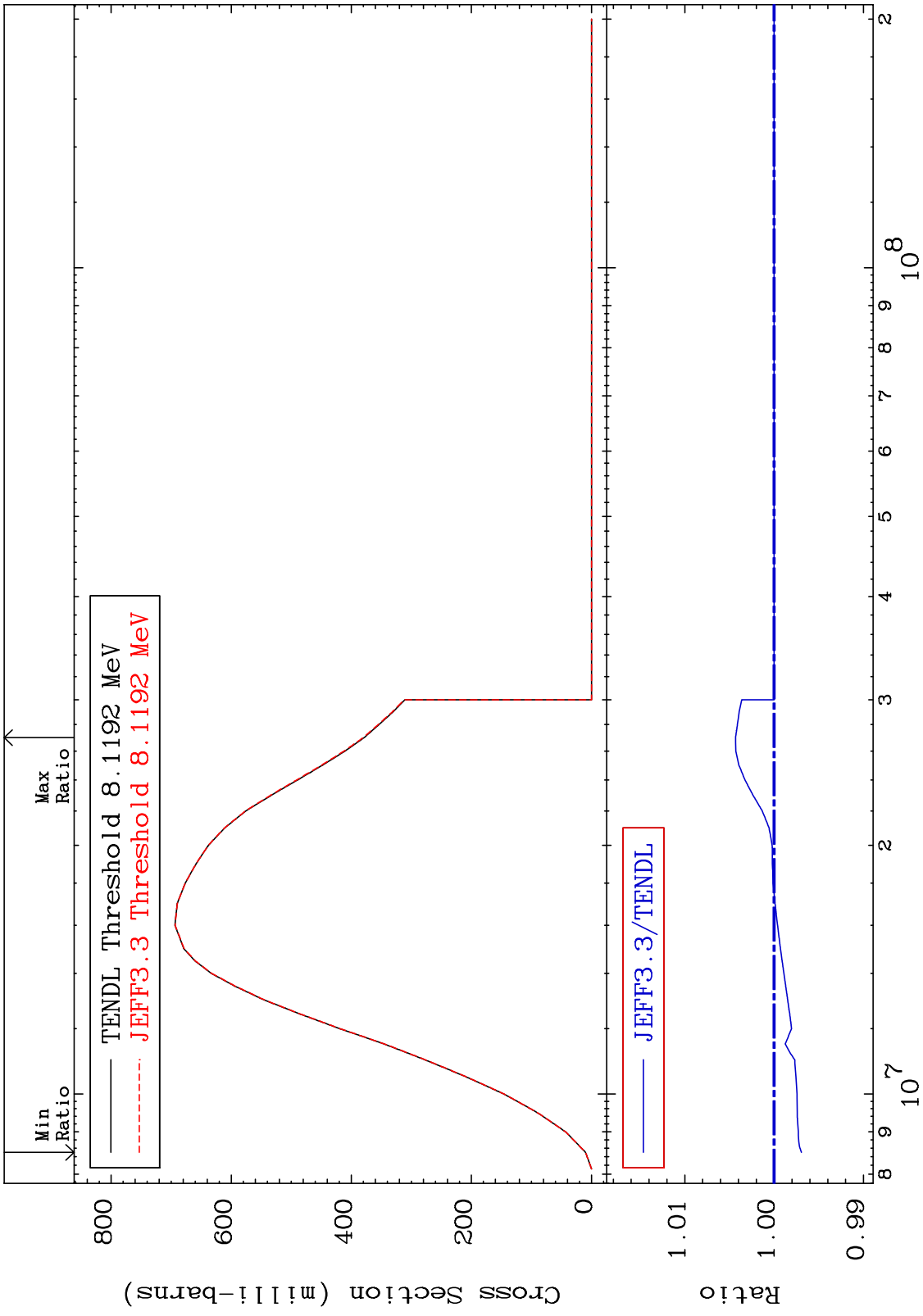


3

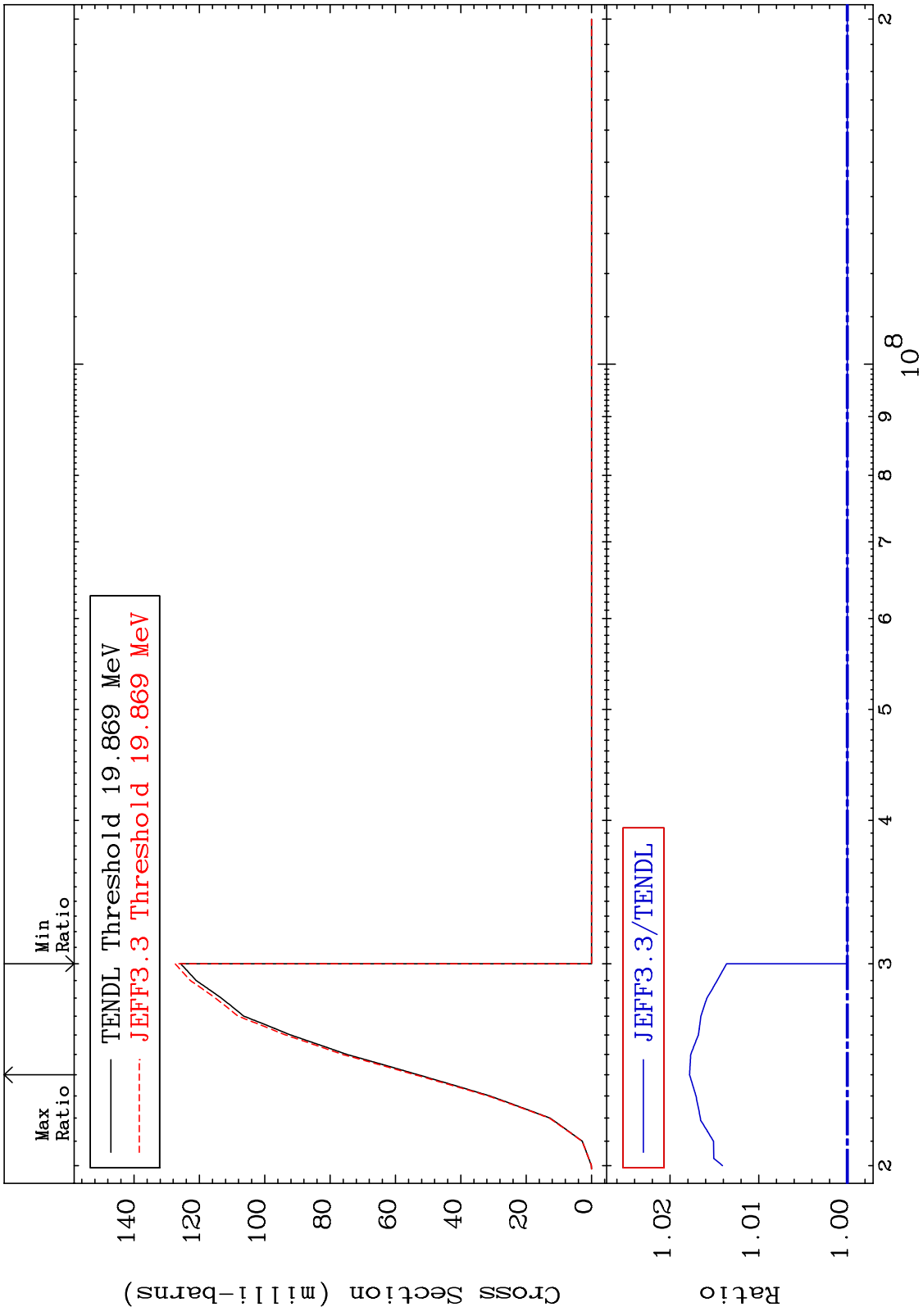
MAT 2034 (n,2n) d 20-Ca-43
Cross Section 0.000 To 0.170 %



MAT 2034 (n,2n) 20-Ca-43
Cross Section -0.305 To 0.432 %

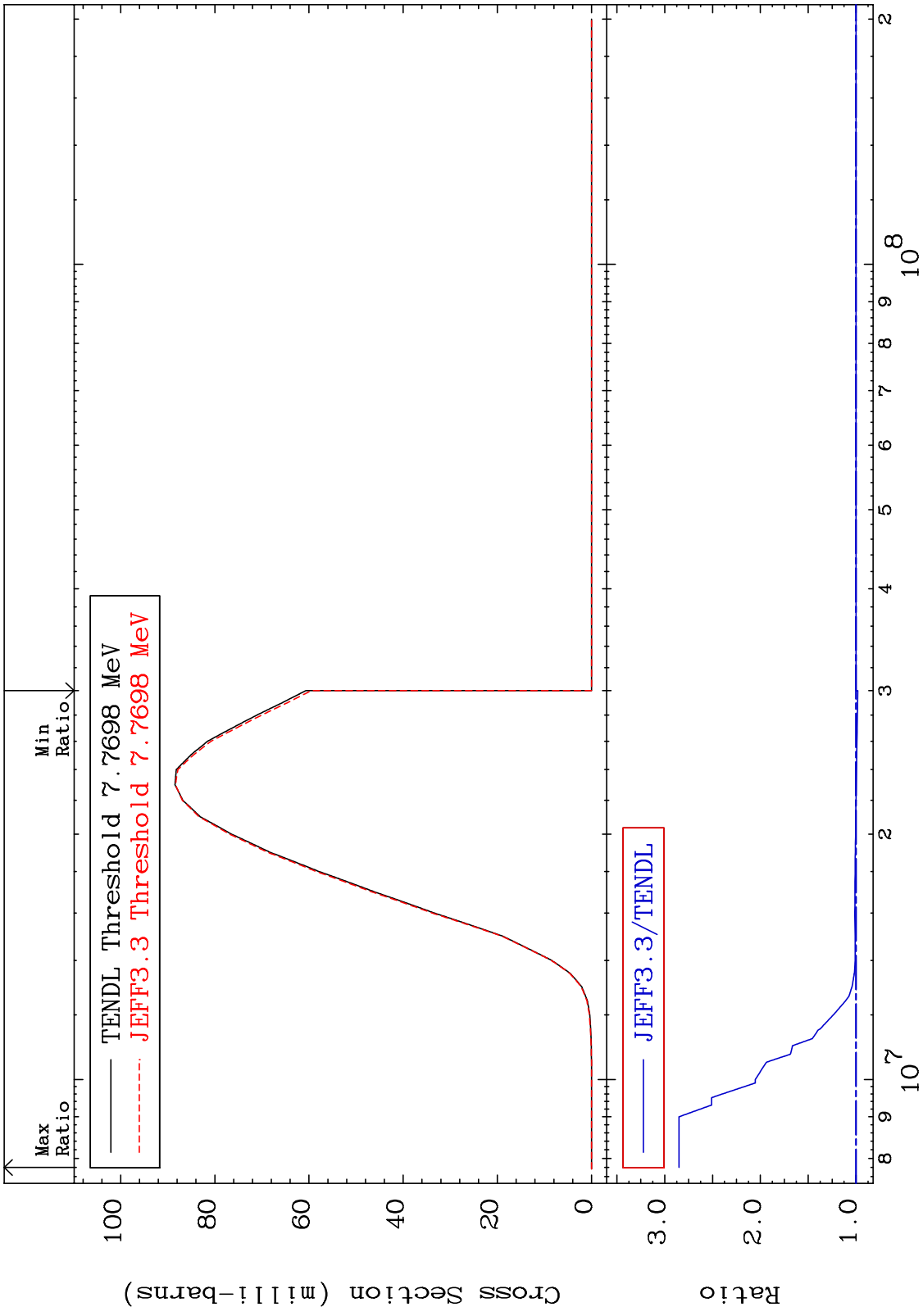


MAT 2034 (n,3n) Cross Section 20-Ca-43 To 1.781 %



6 Incident Energy (eV) 20-Ca-43

MAT 2034 $(n, n') \alpha$ 20-Ca-43
Cross Section -1.869 To 185.0 %



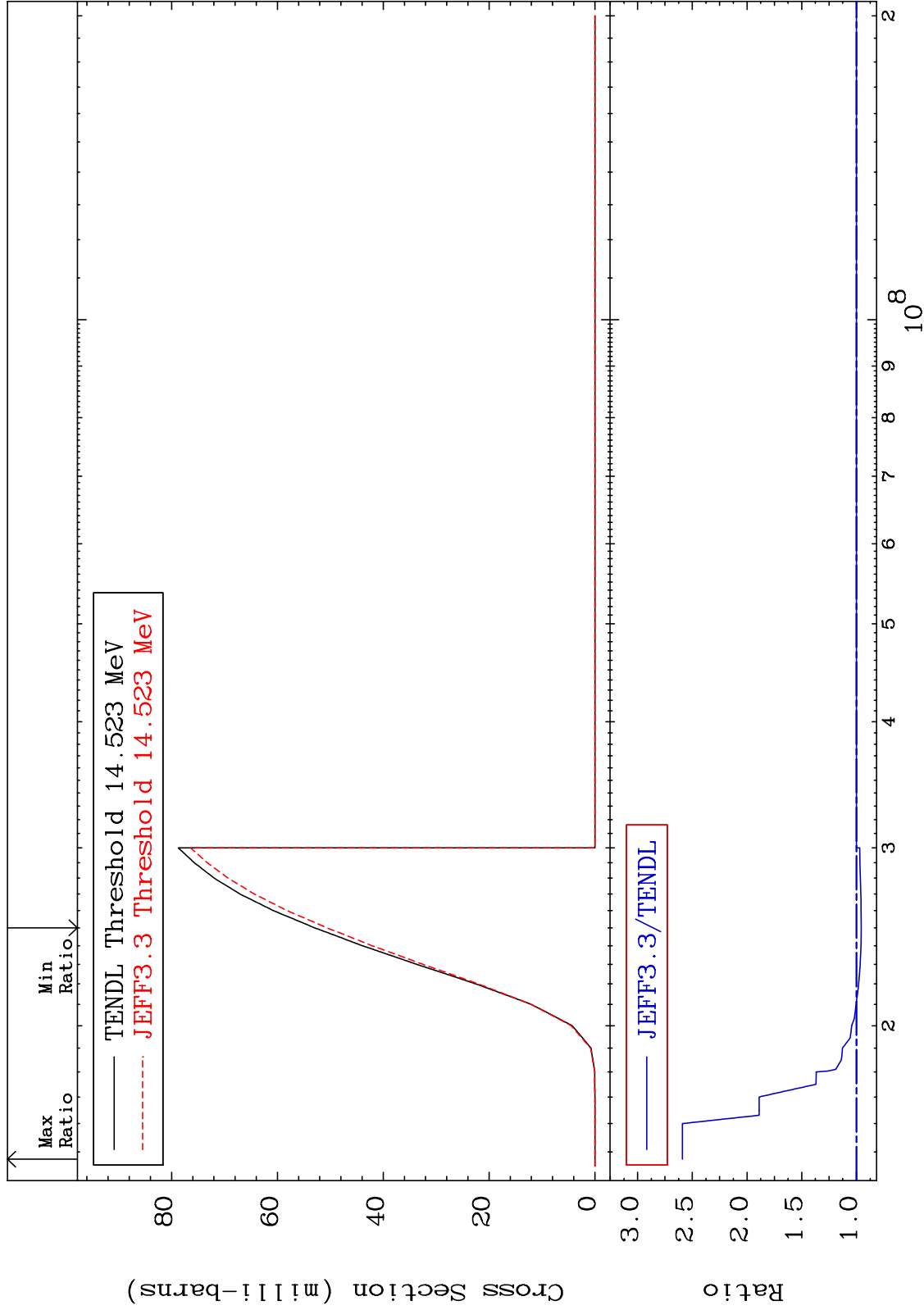
MAT 2034

(n,2n) α

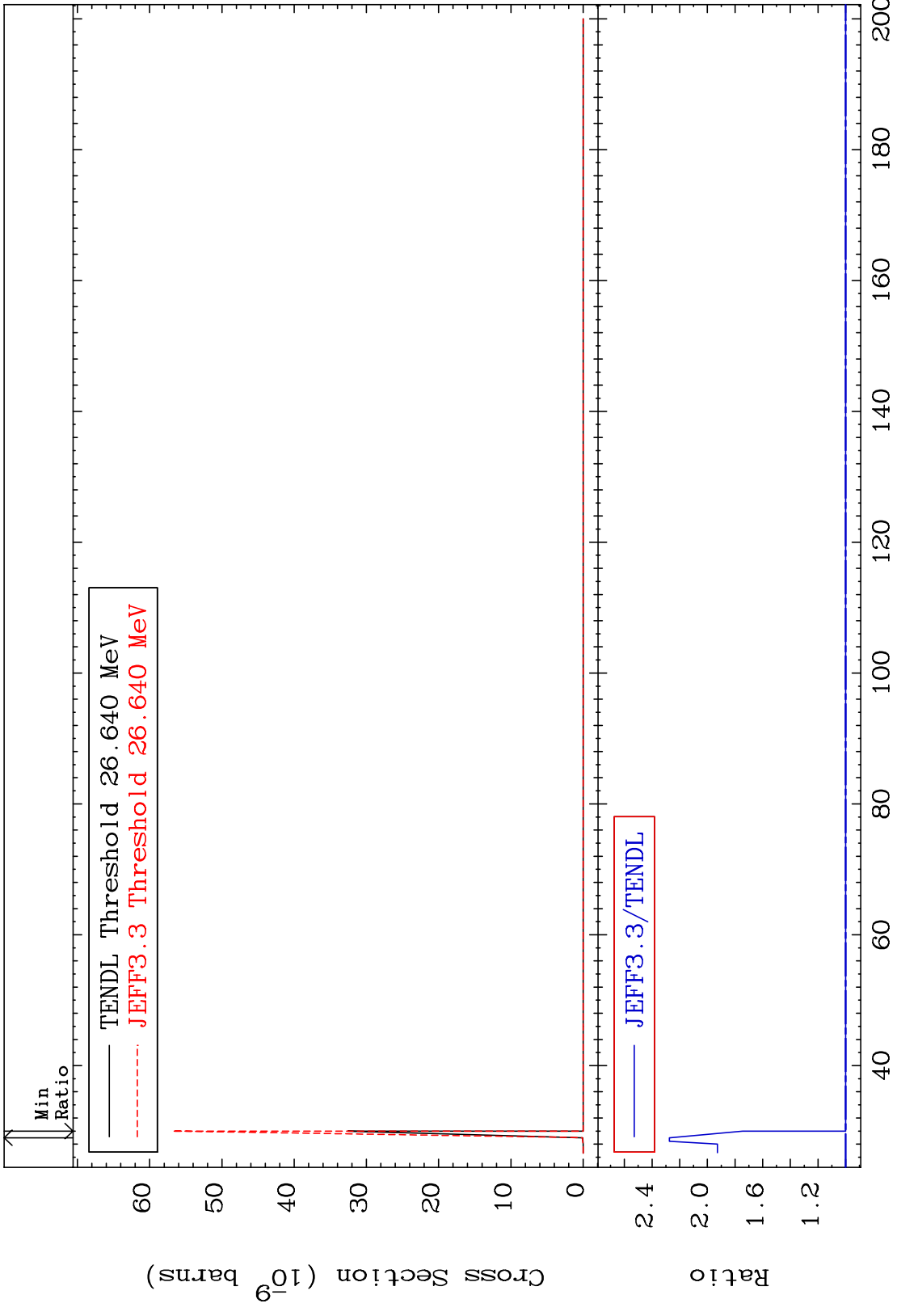
²⁰Ca-43

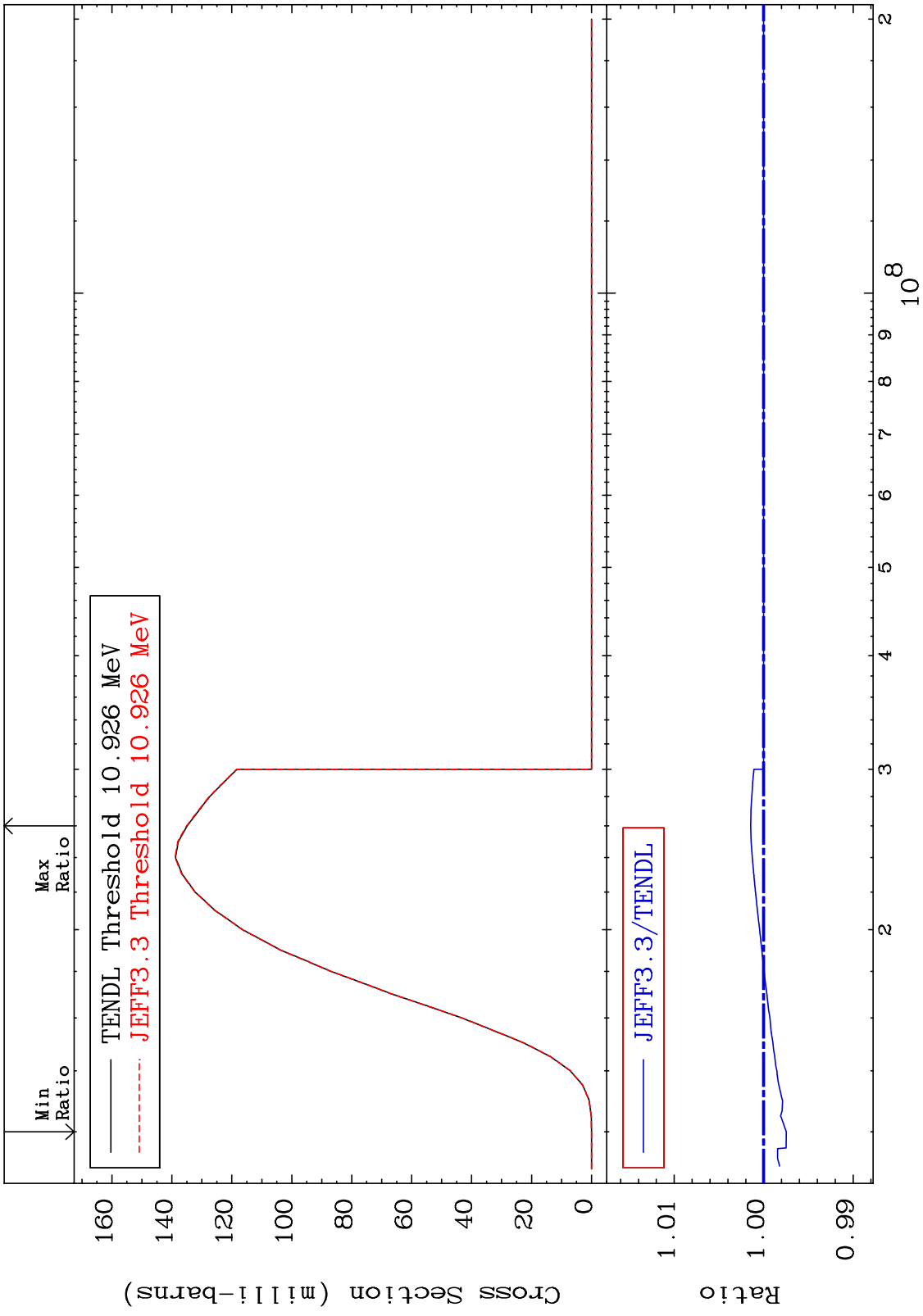
Cross Section

-4.445 To 159.0 %

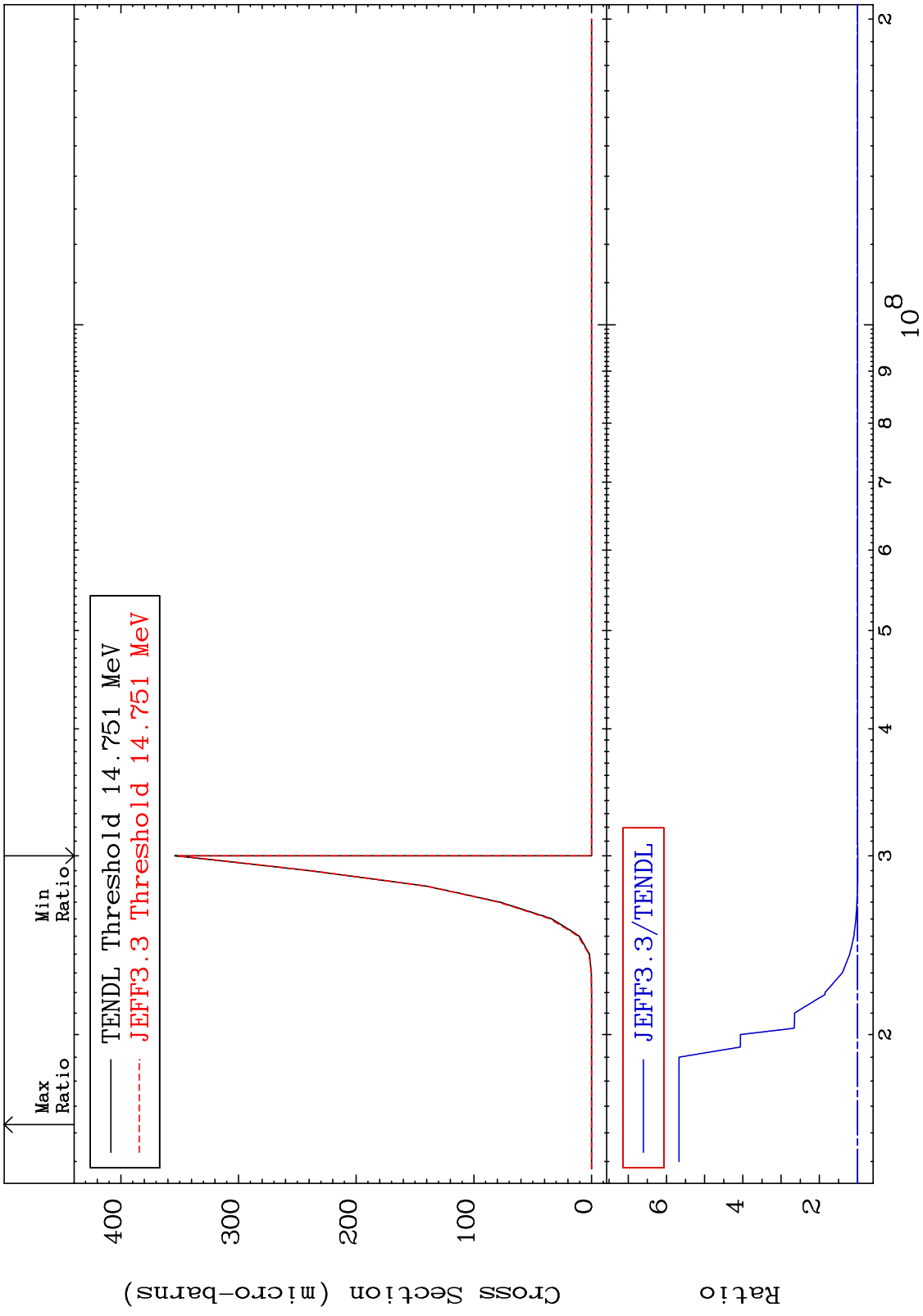


MAT 2034 (n,3n) α 20-Ca-43
Cross Section 0.000 To 127.4 %

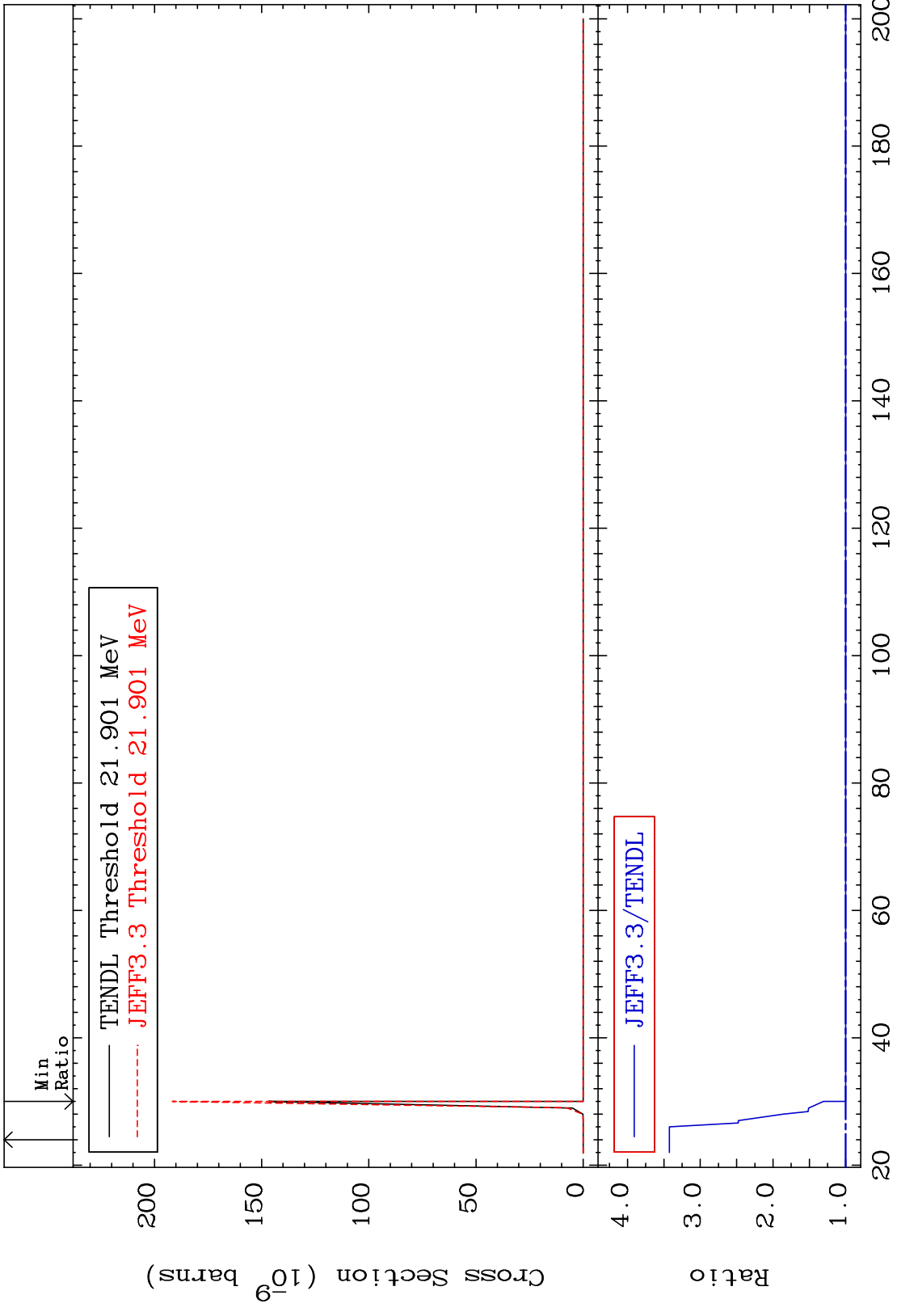


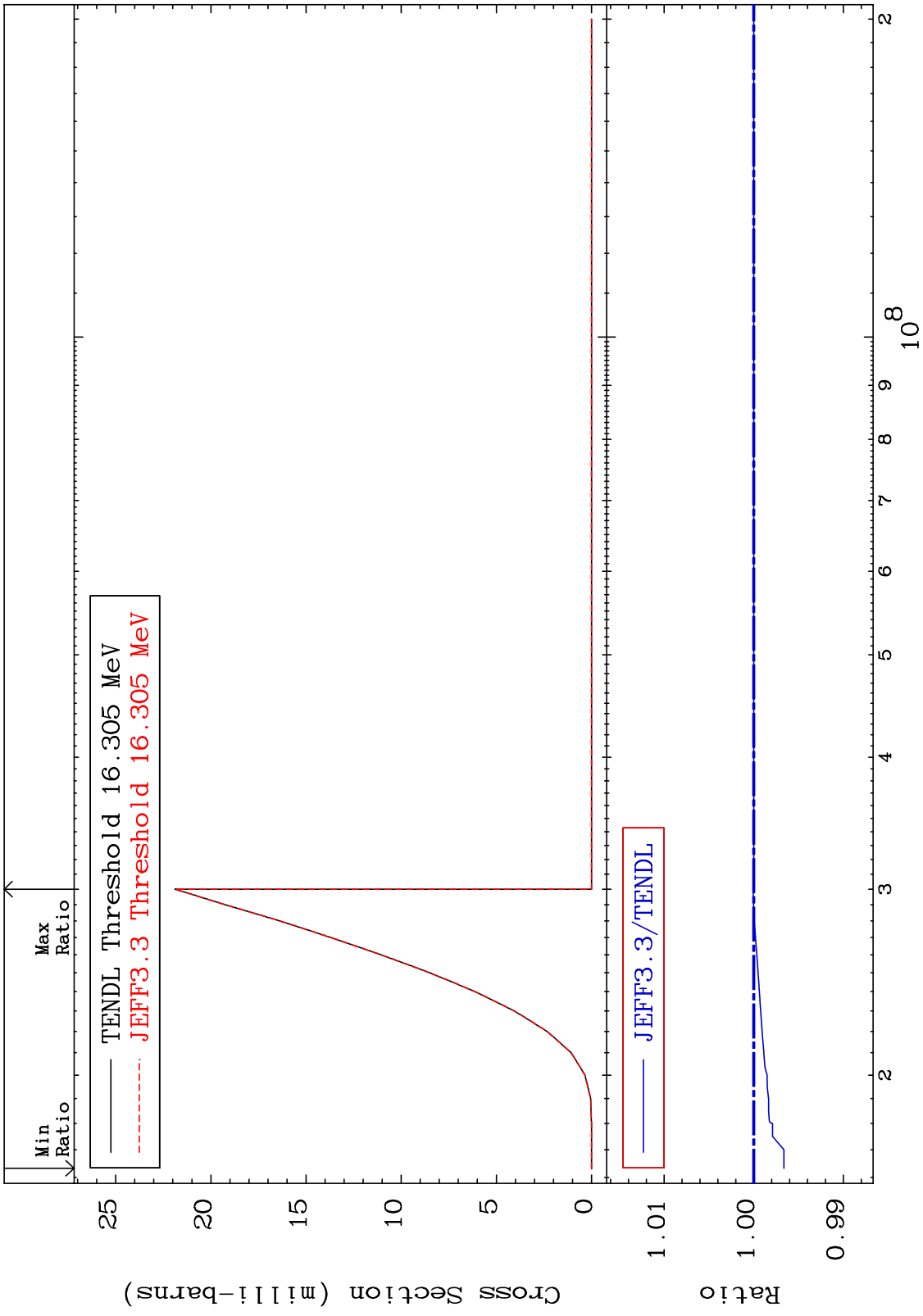


MAT 2034 (n,n') 2α Cross Section 20-Ca-43 -0.537 To 467.0 %

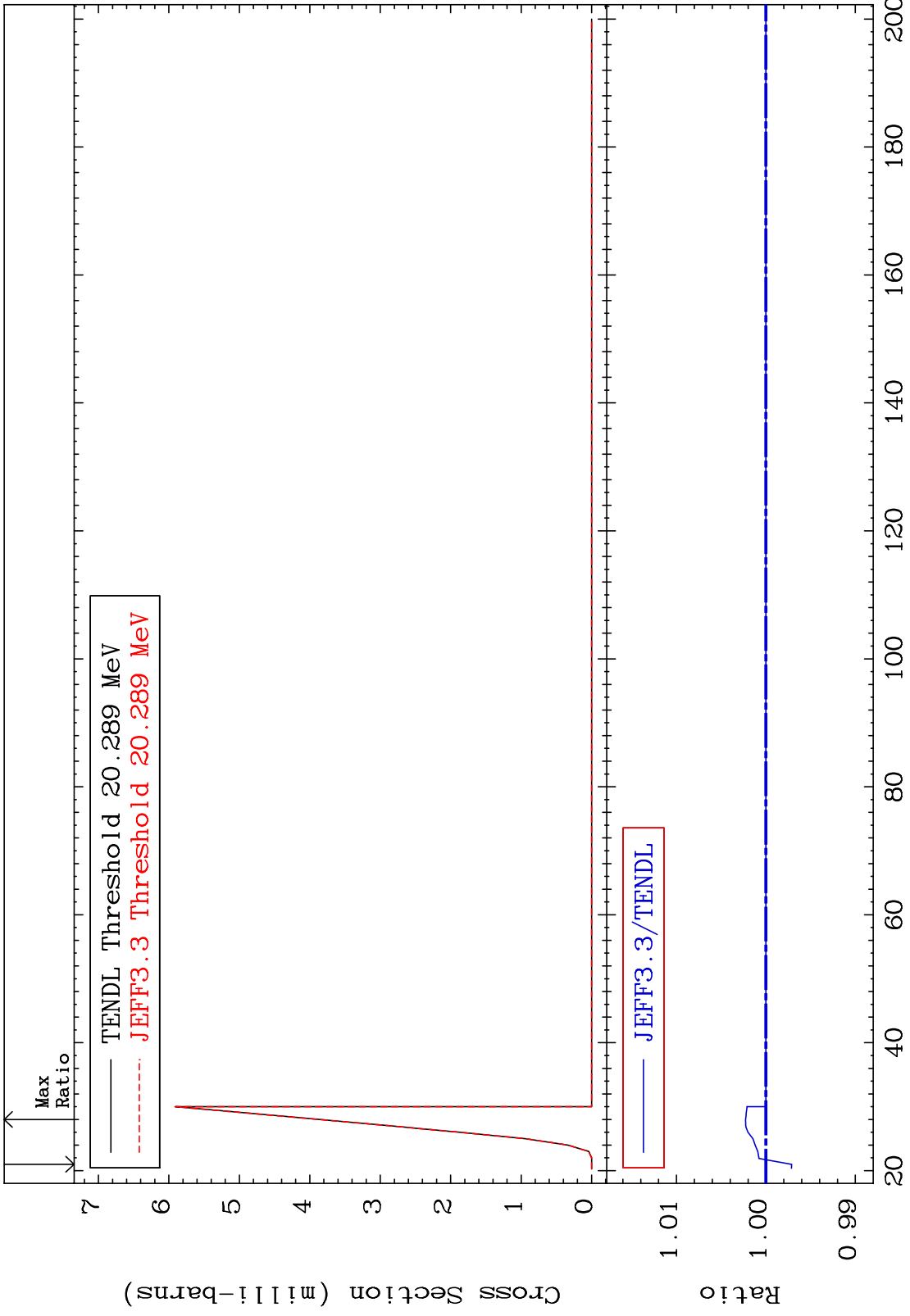


MAT 2034 (n,2n) 2α 20-Ca-43
Cross Section 0.000 To 242.4 %

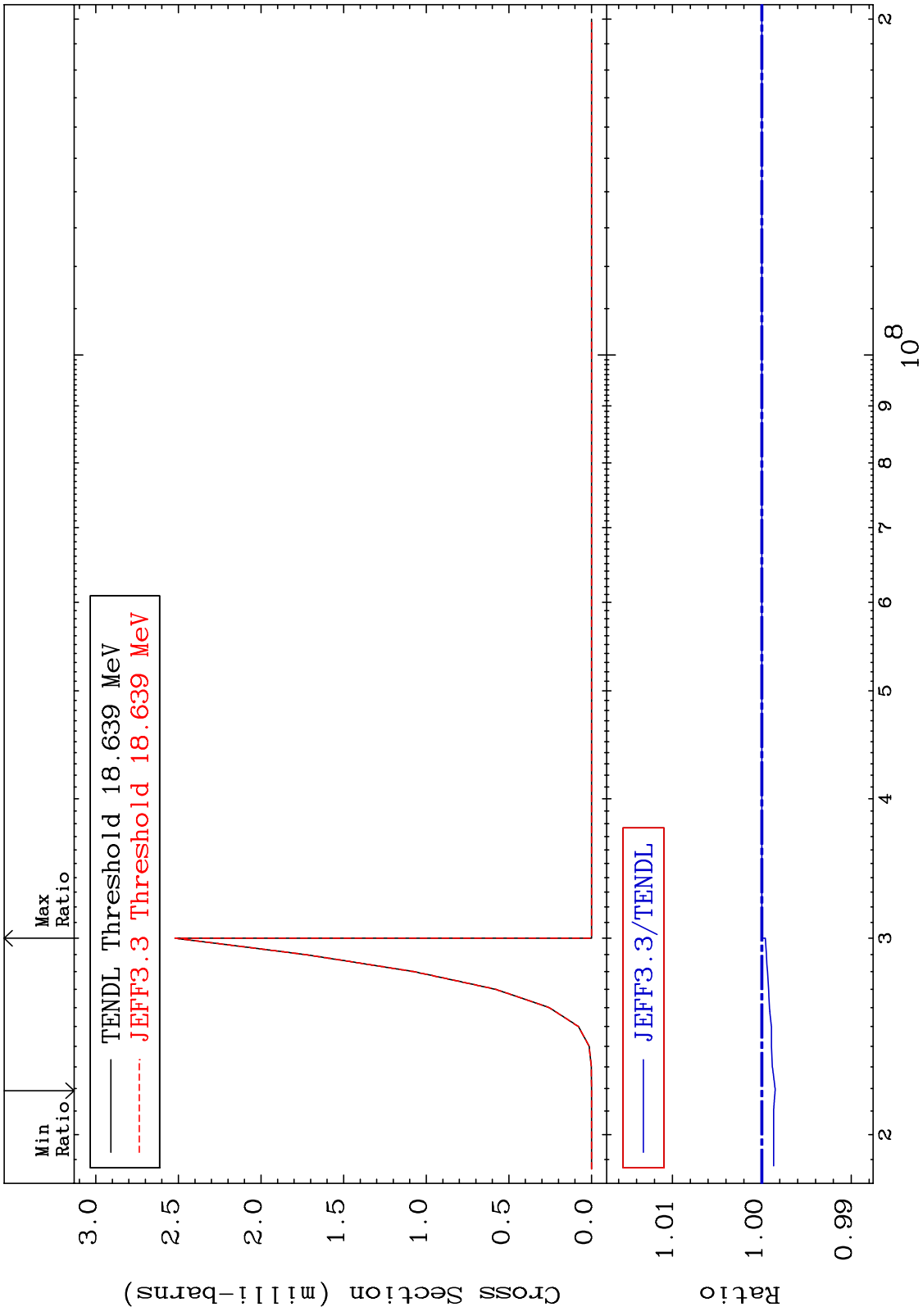




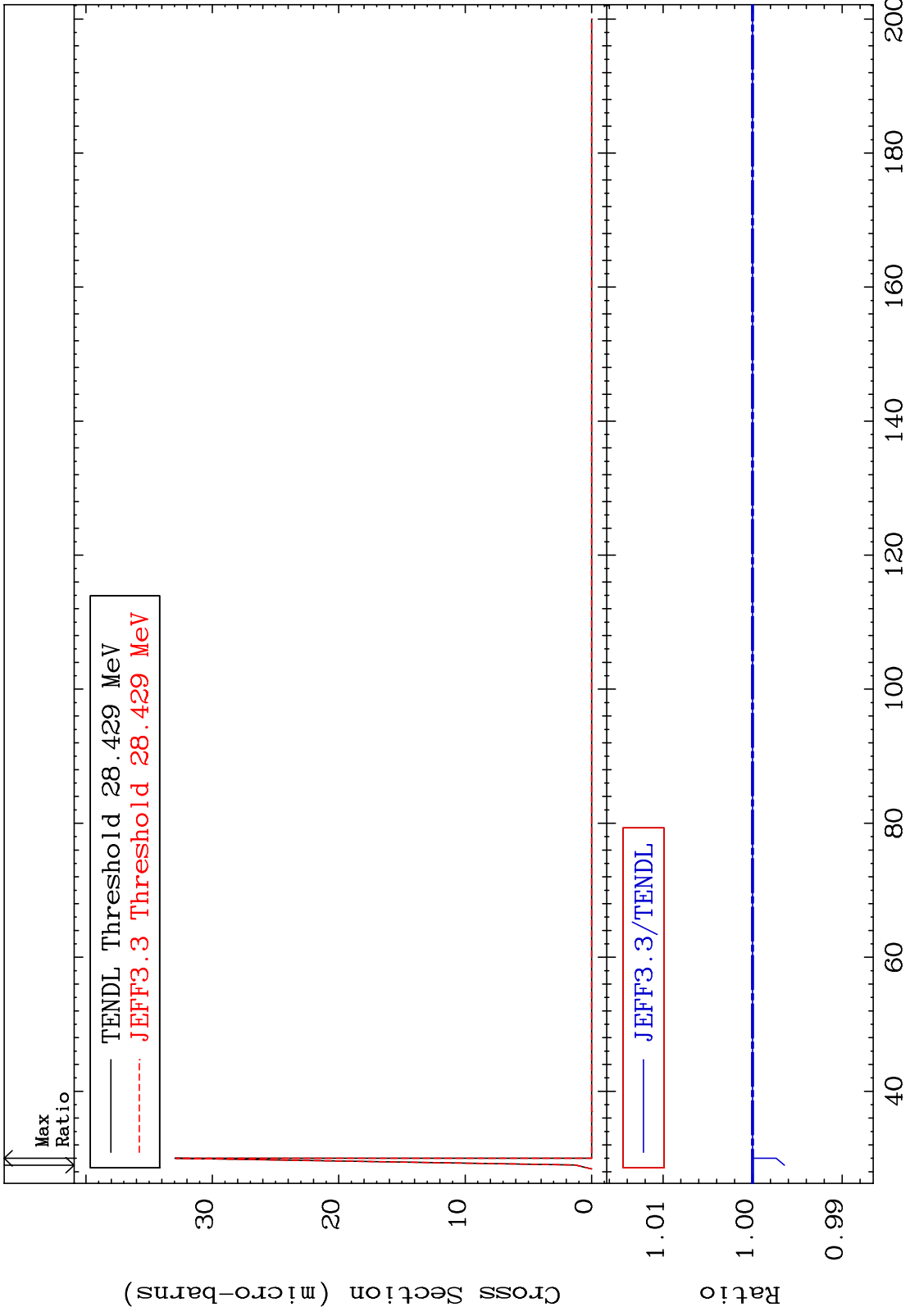
MAT 2034 (n,n') t 20-Ca-43
 Cross Section -0.286 To 0.228 %

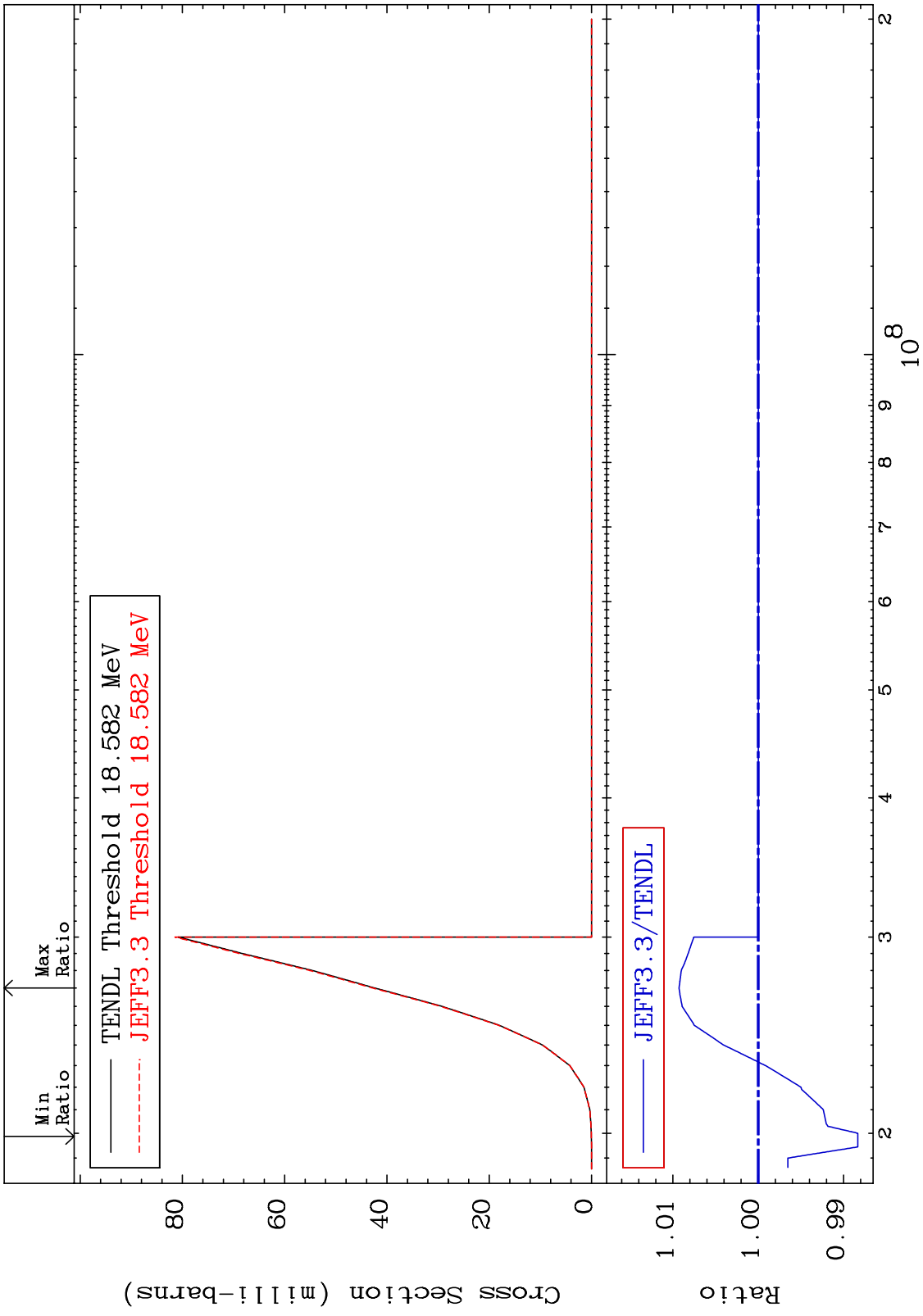


MAT 2034 (n, n') He-3 20-Ca-43
 Cross Section -0.148 To 0.000 %

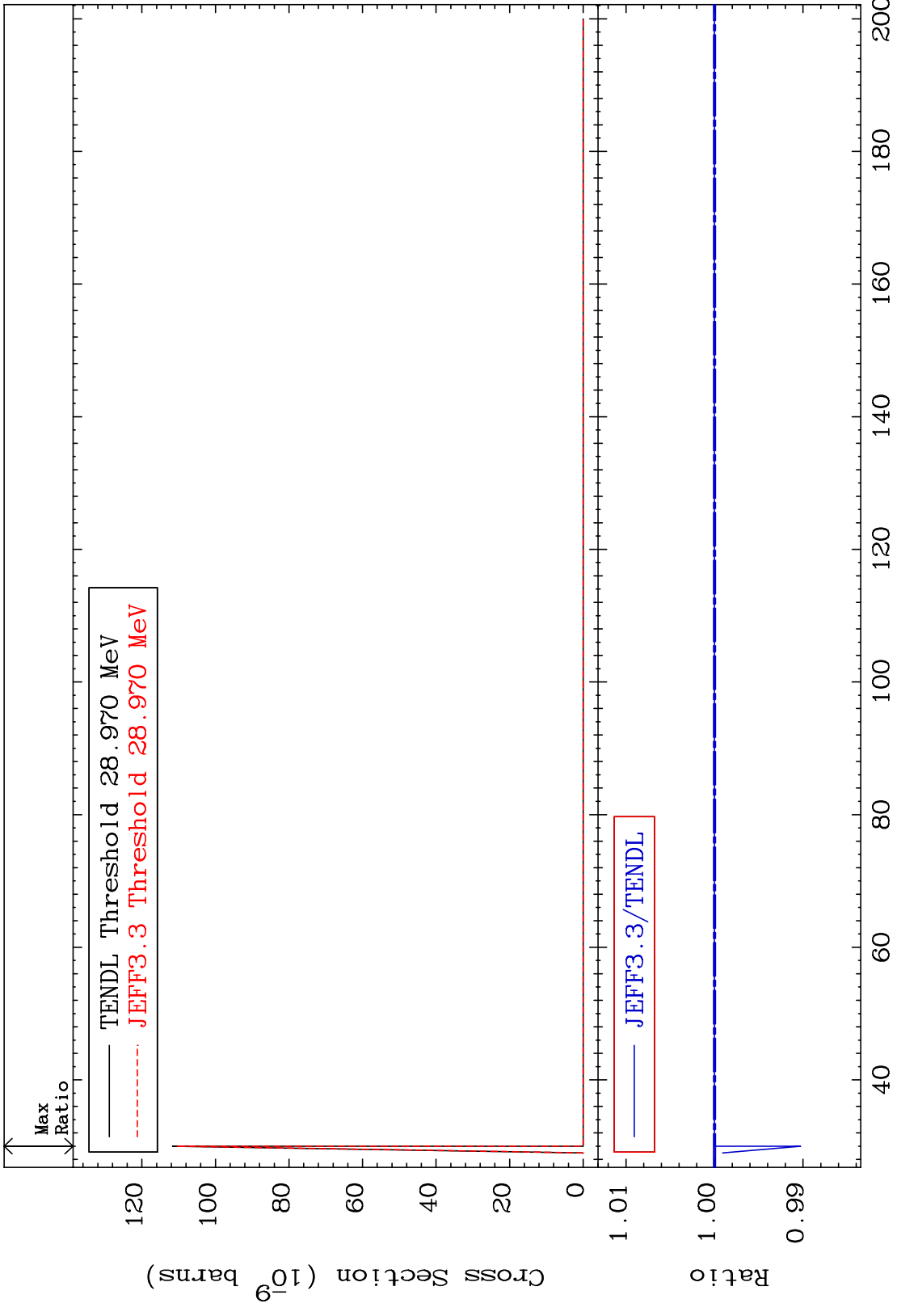


MAT 2034 (n,4n) 20-Ca-43
 Cross Section -0.356 To 0.000 %

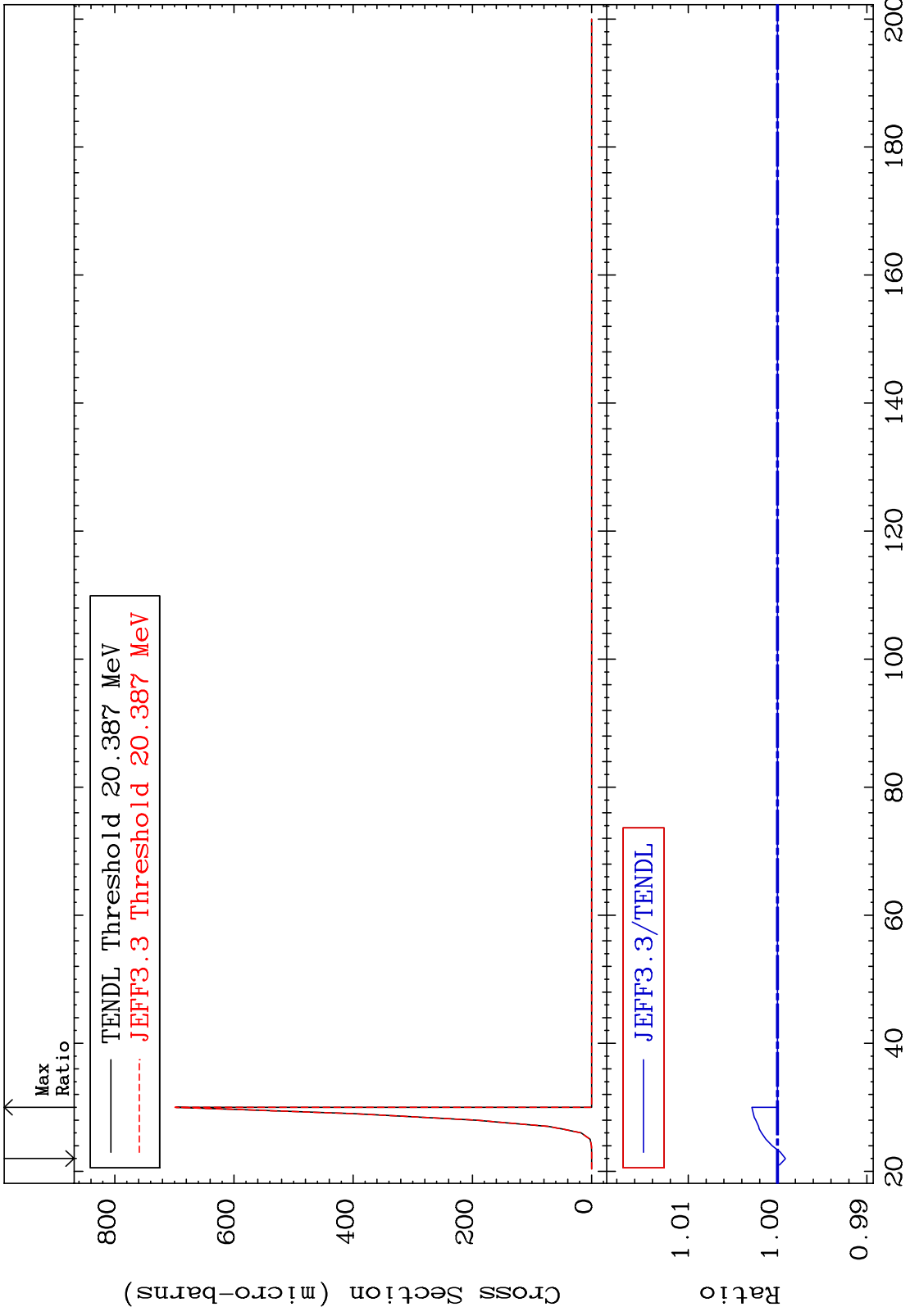




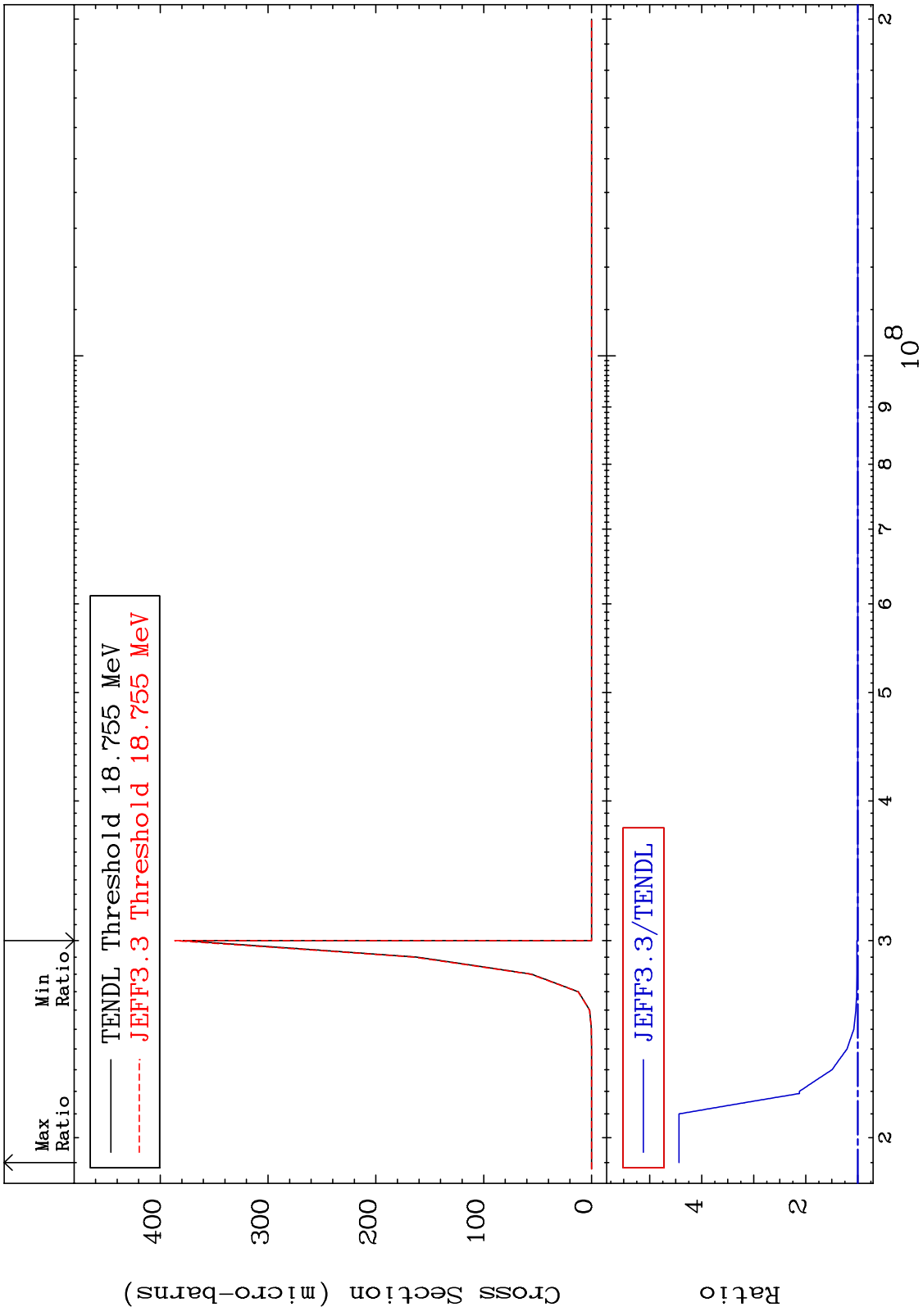
MAT 2034 (n,3n) p 20-Ca-43
 Cross Section -0.972 To 0.000 %



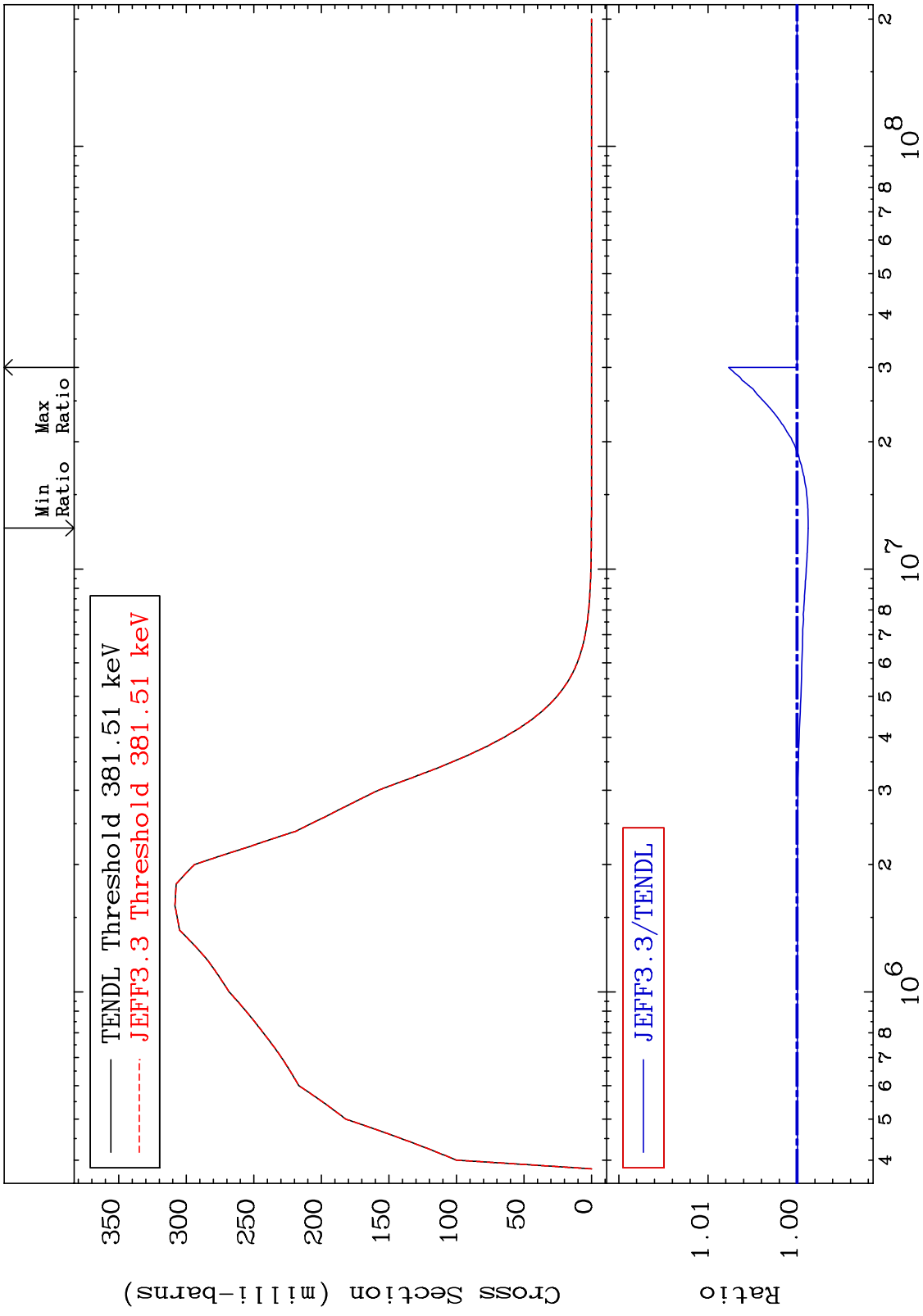
MAT 2034 (n,2n) p 20-Ca-43
 Cross Section -0.086 To 0.287 %



MAT 2034 (n,n') p α 20-Ca-43
Cross Section 0.000 To 343.7 %



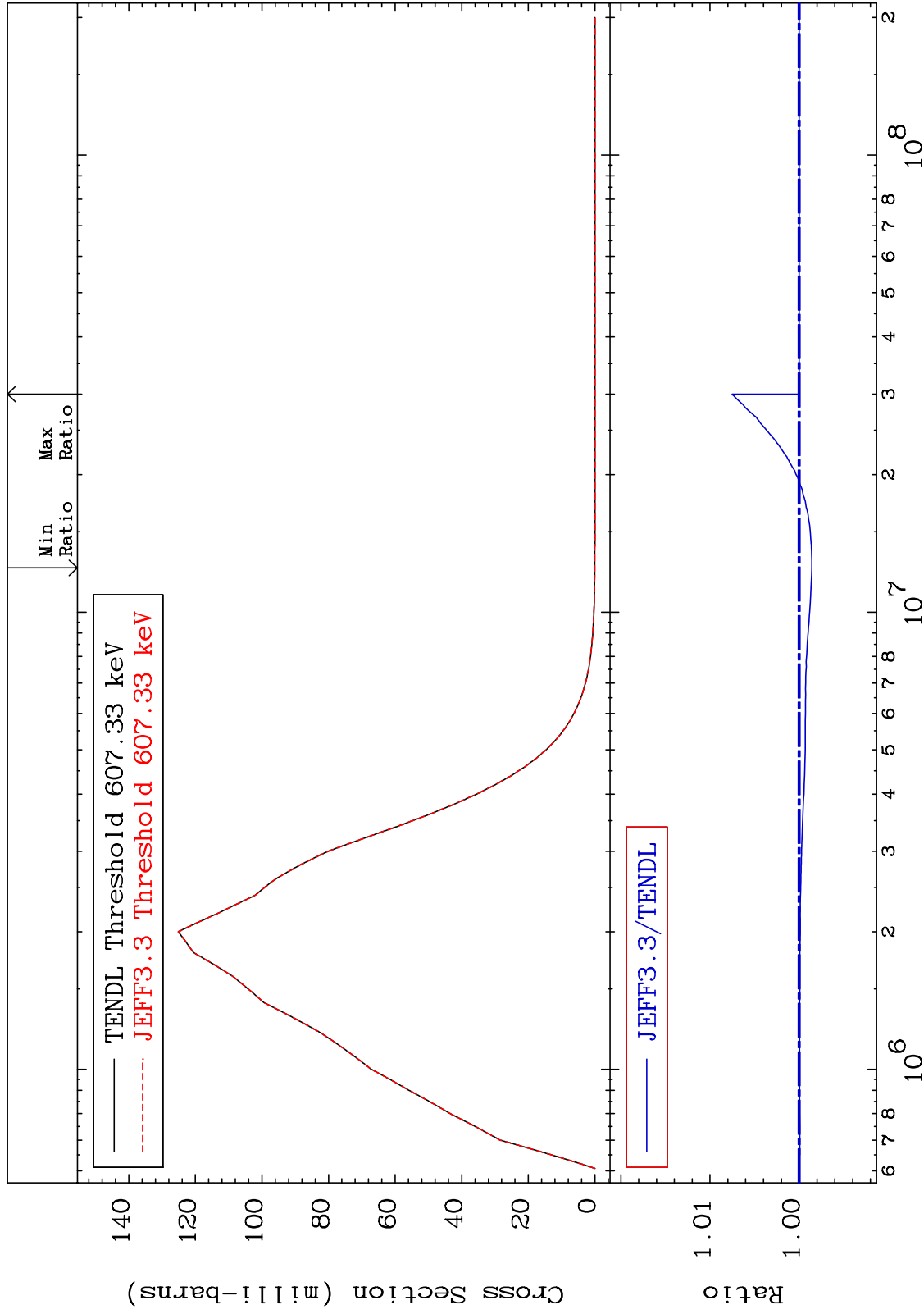
MAT 2034 MT= 51 (n,n') Level Cross Section -0.125 To 0.768 % 20-Ca-43



MAT 2034

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

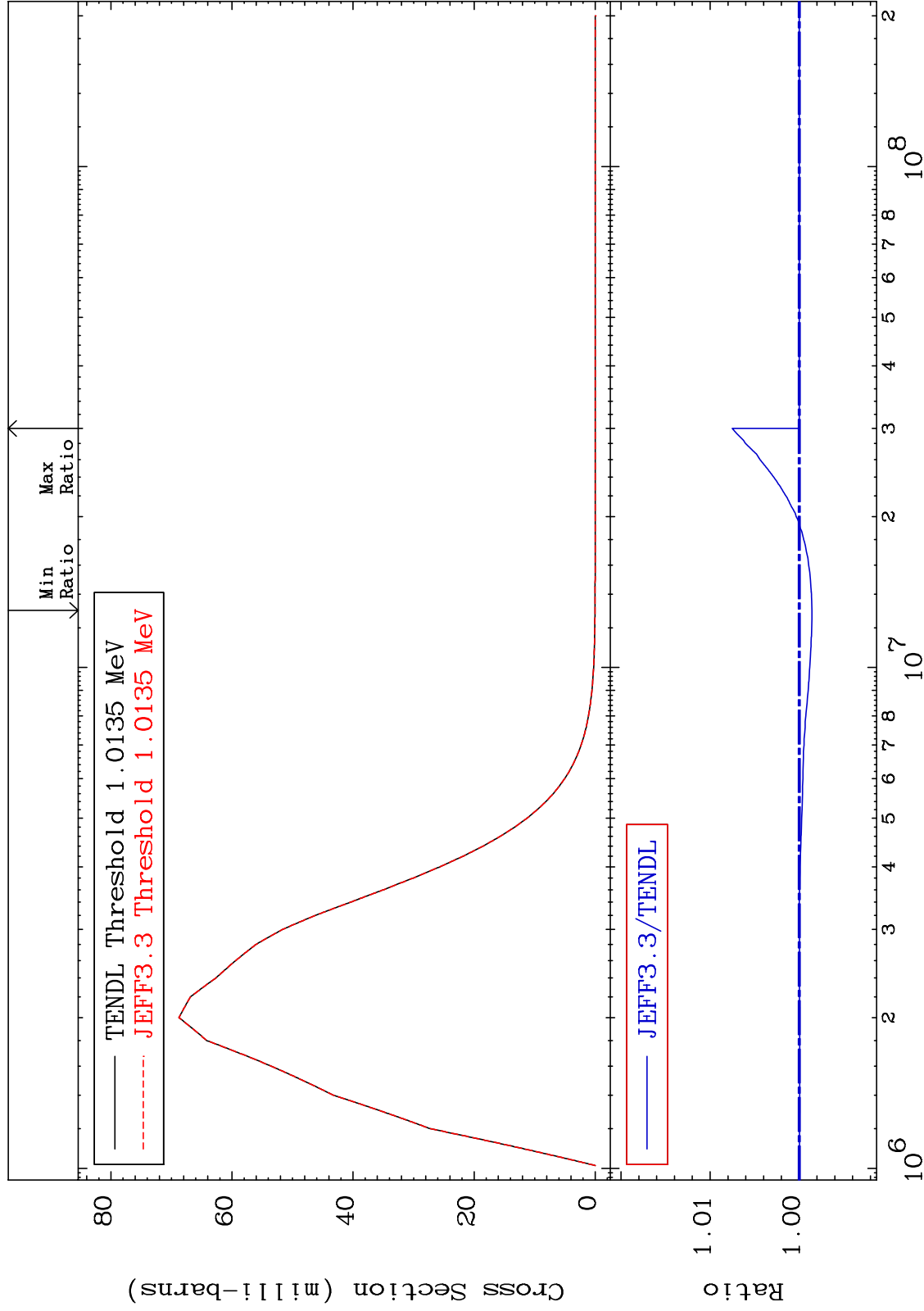
20-Ca-43
-0.141 To 0.754 %



MAT 2034

MT= 53 (n,n') Level
Cross Section

20-Ca-43
-0.142 To 0.753 %

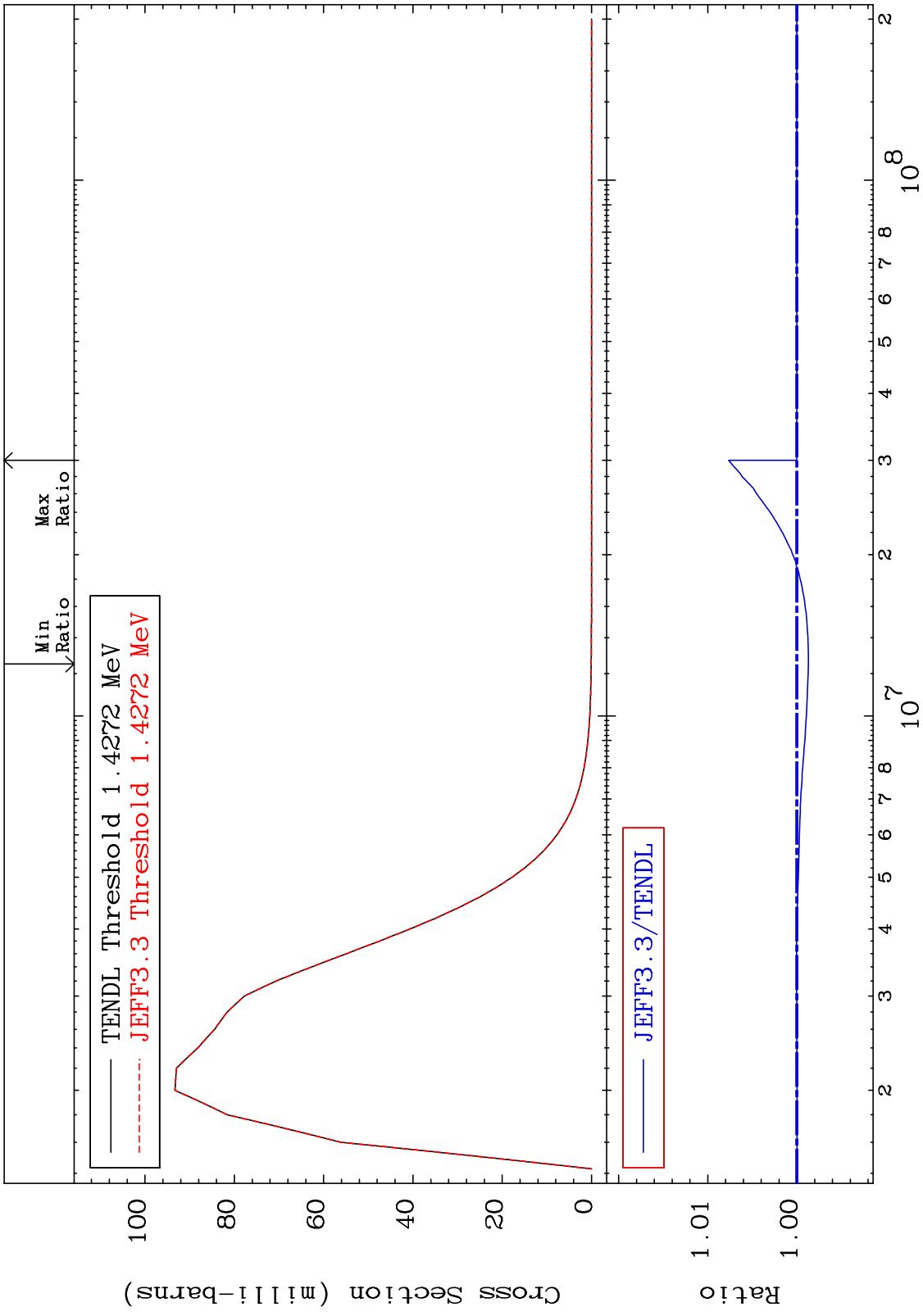


23

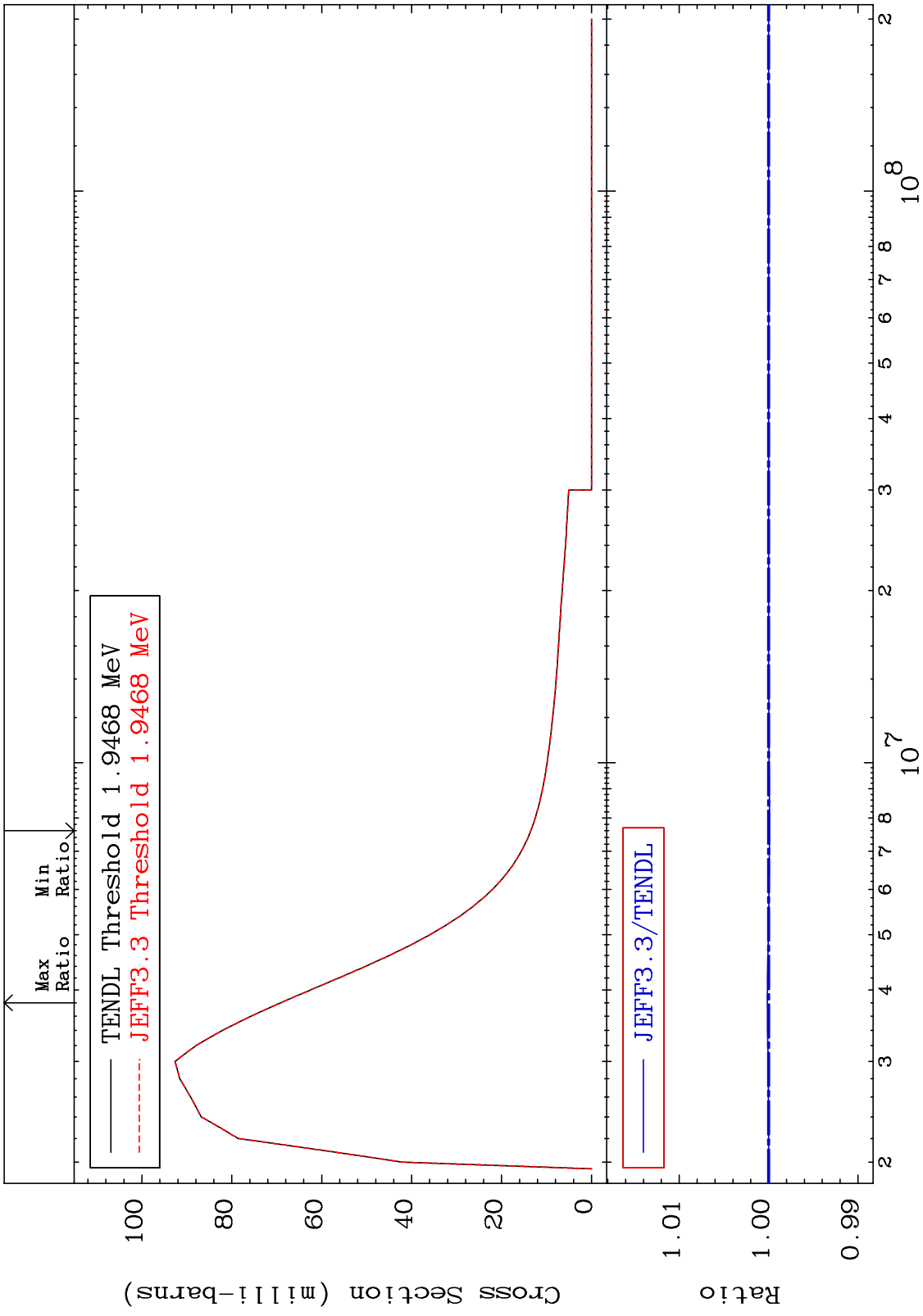
Incident Energy (eV)

20-Ca-43

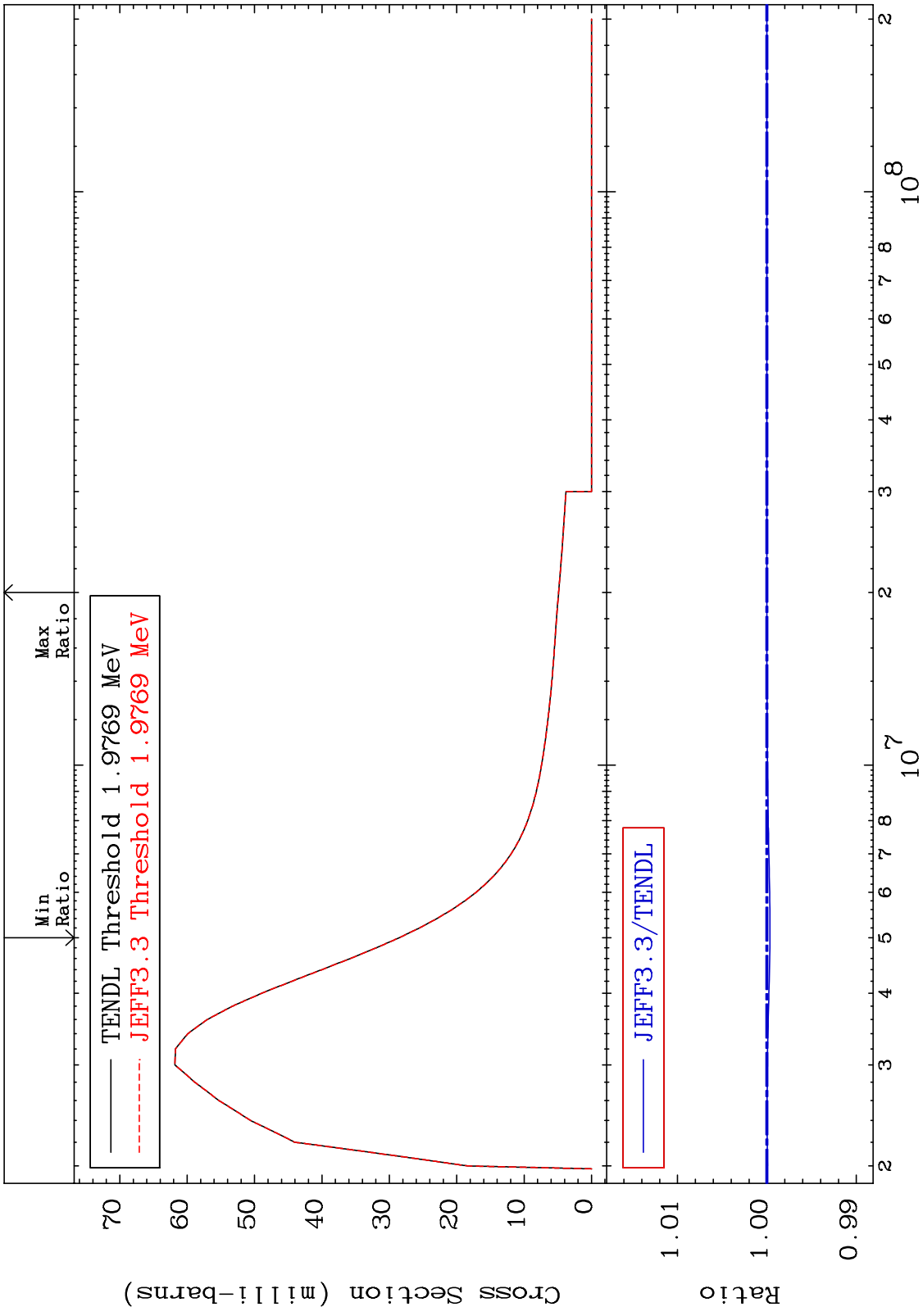
MAT 2034 MT= 54 (n,n') Level Cross Section -0.128 To 0.766 % 20-Ca-43



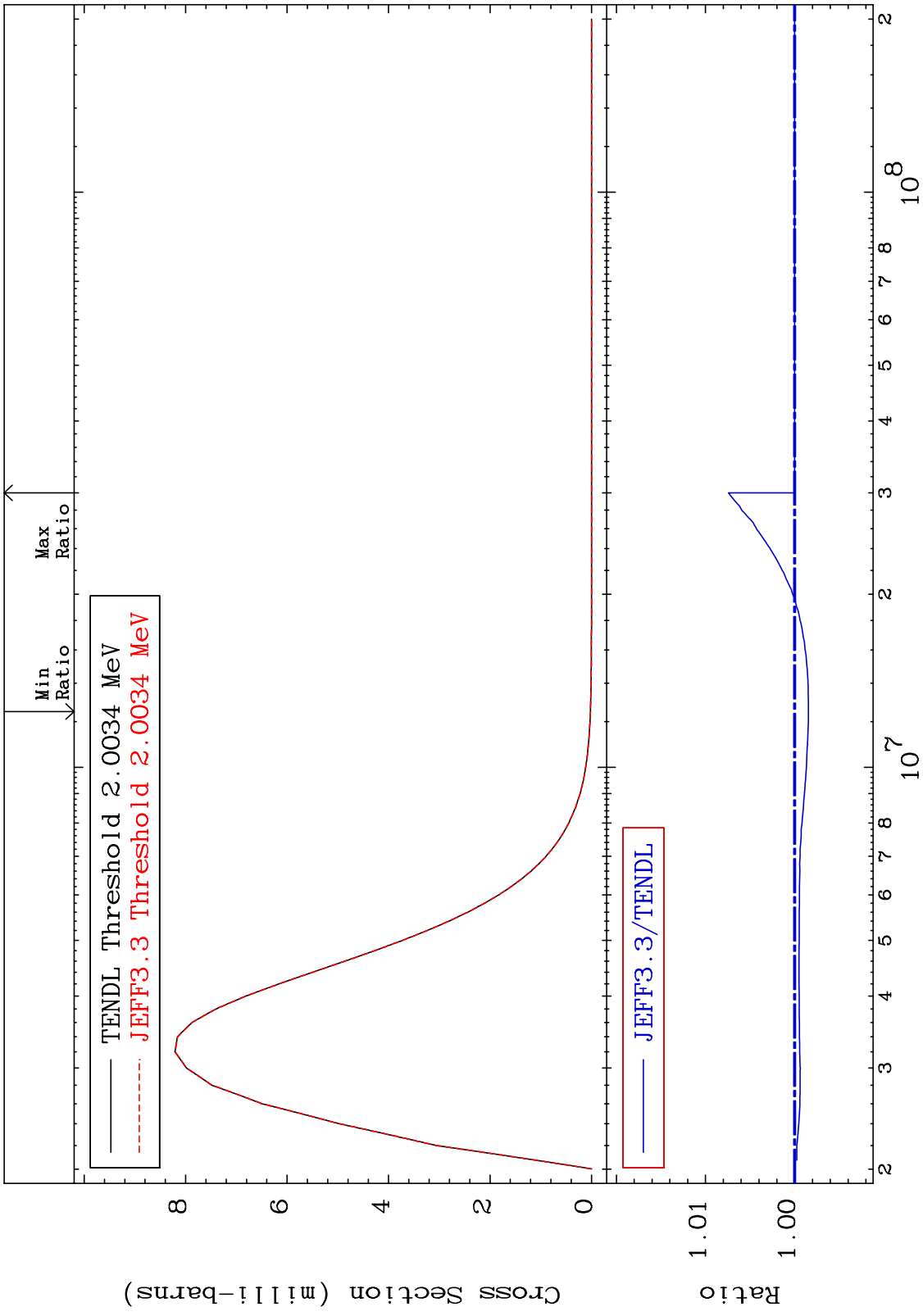
MAT 2034 MT= 56 (n,n') Level Cross Section 20-Ca-43
 -0.010 To 0.014 %



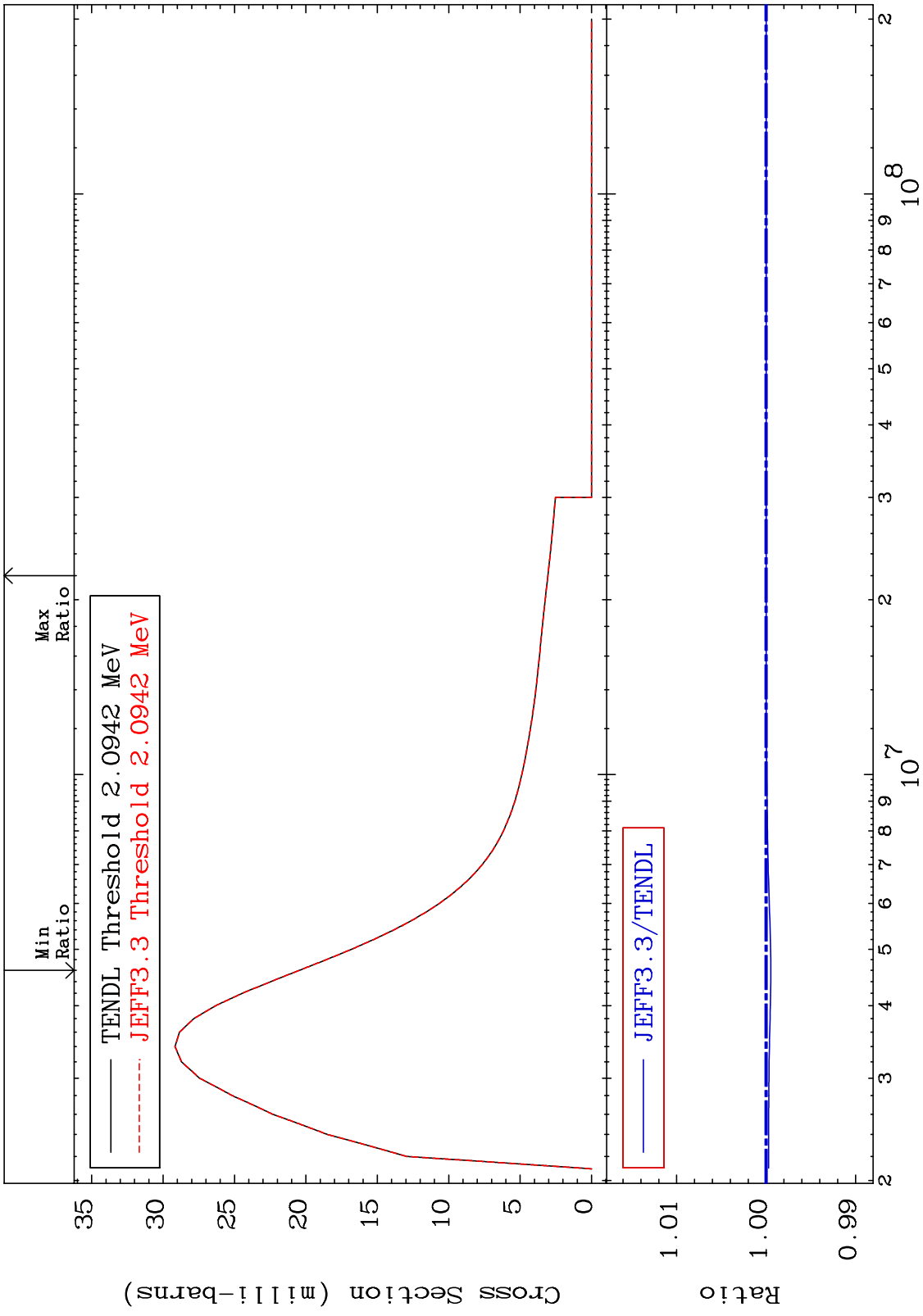
MAT 2034 MT= 57 (n,n') Level Cross Section 20-Ca-43
 -0.034 To 0.000 %



MAT 2034 MT= 58 (n,n') Level Cross Section -0.155 To 0.743 % 20-Ca-43



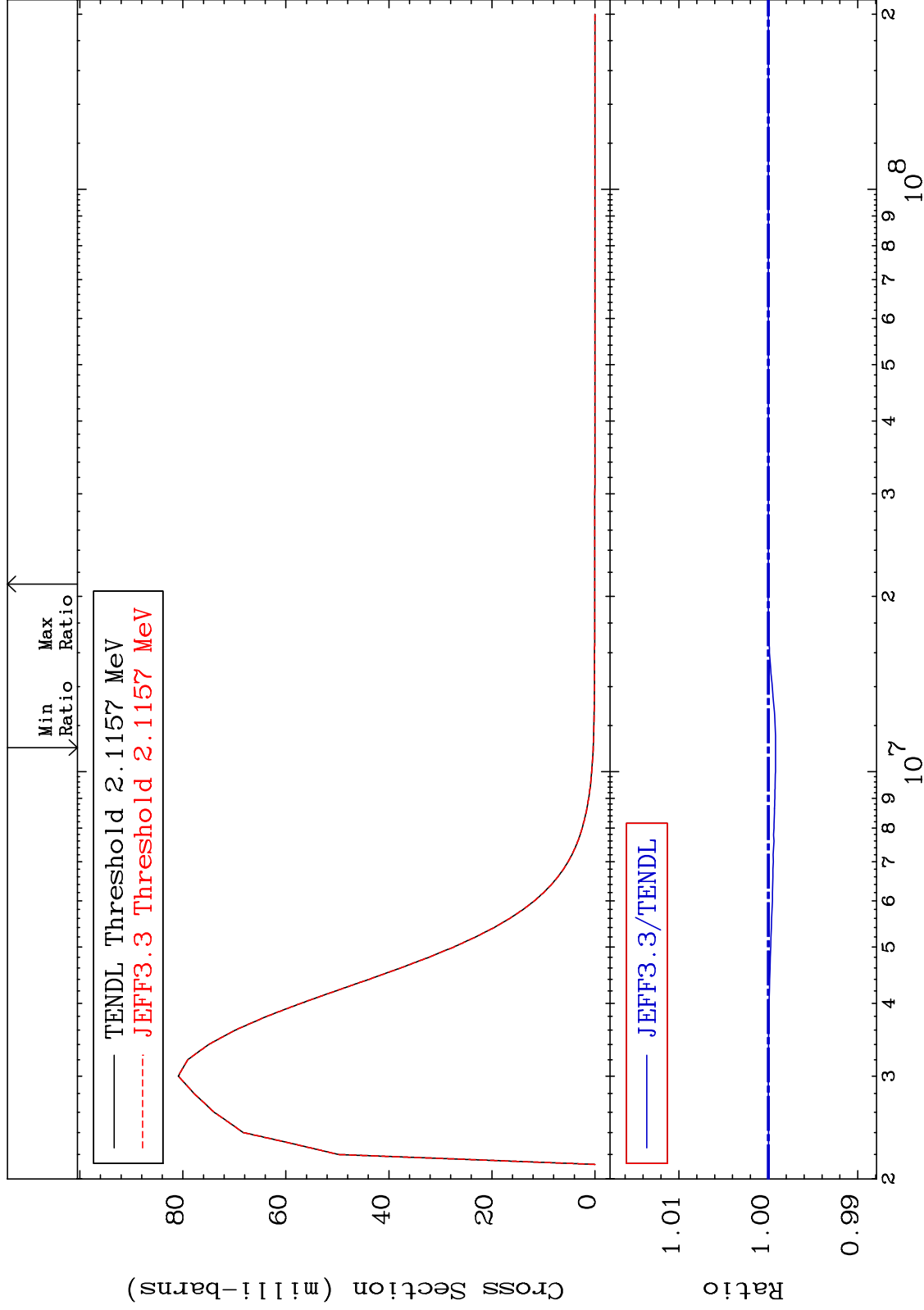
MAT 2034 MT= 59 (n,n') Level Cross Section -0.053 To 0.000 % 20-Ca-43



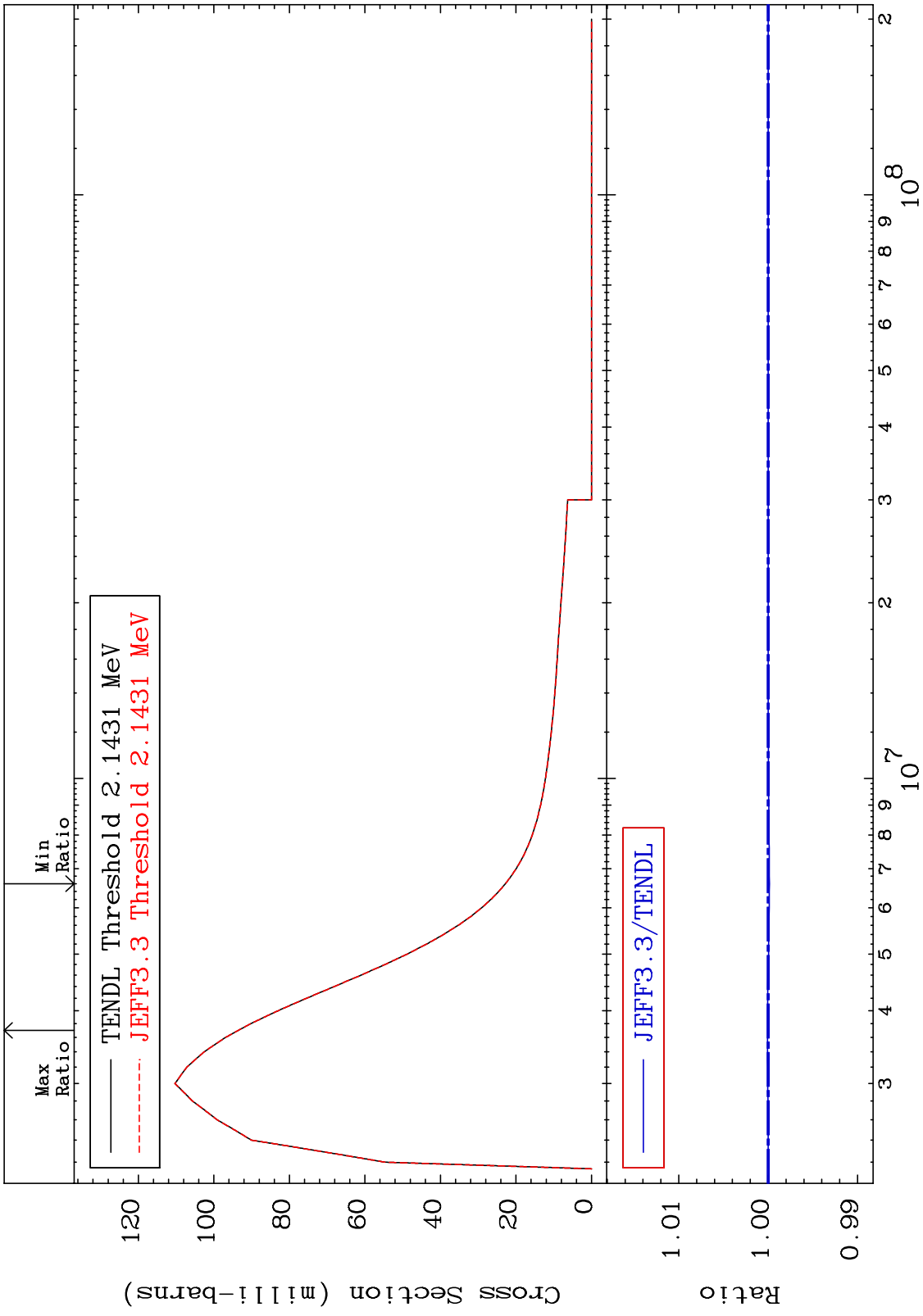
MAT 2034

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

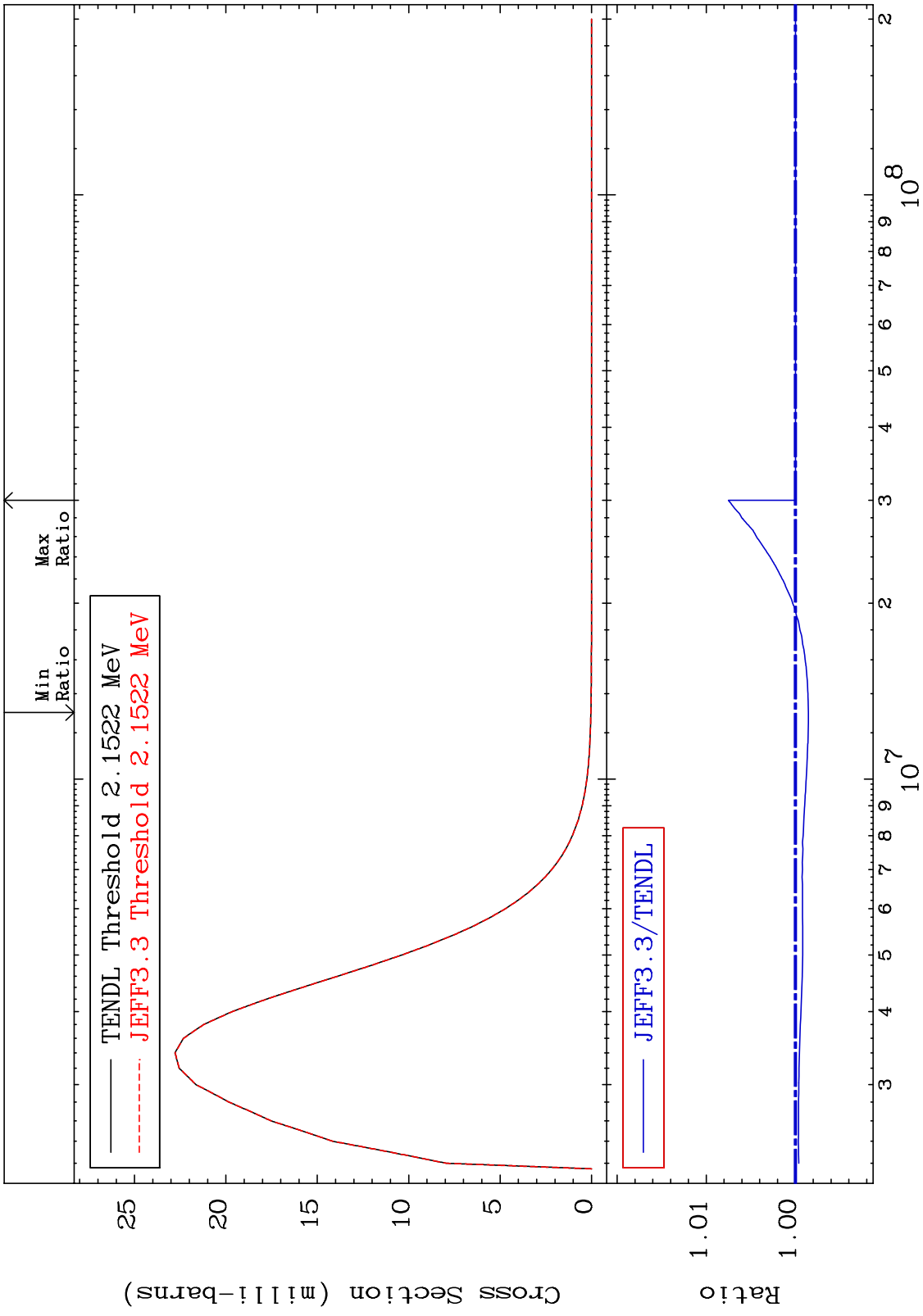
20-Ca-43
-0.081 To 0.002 %



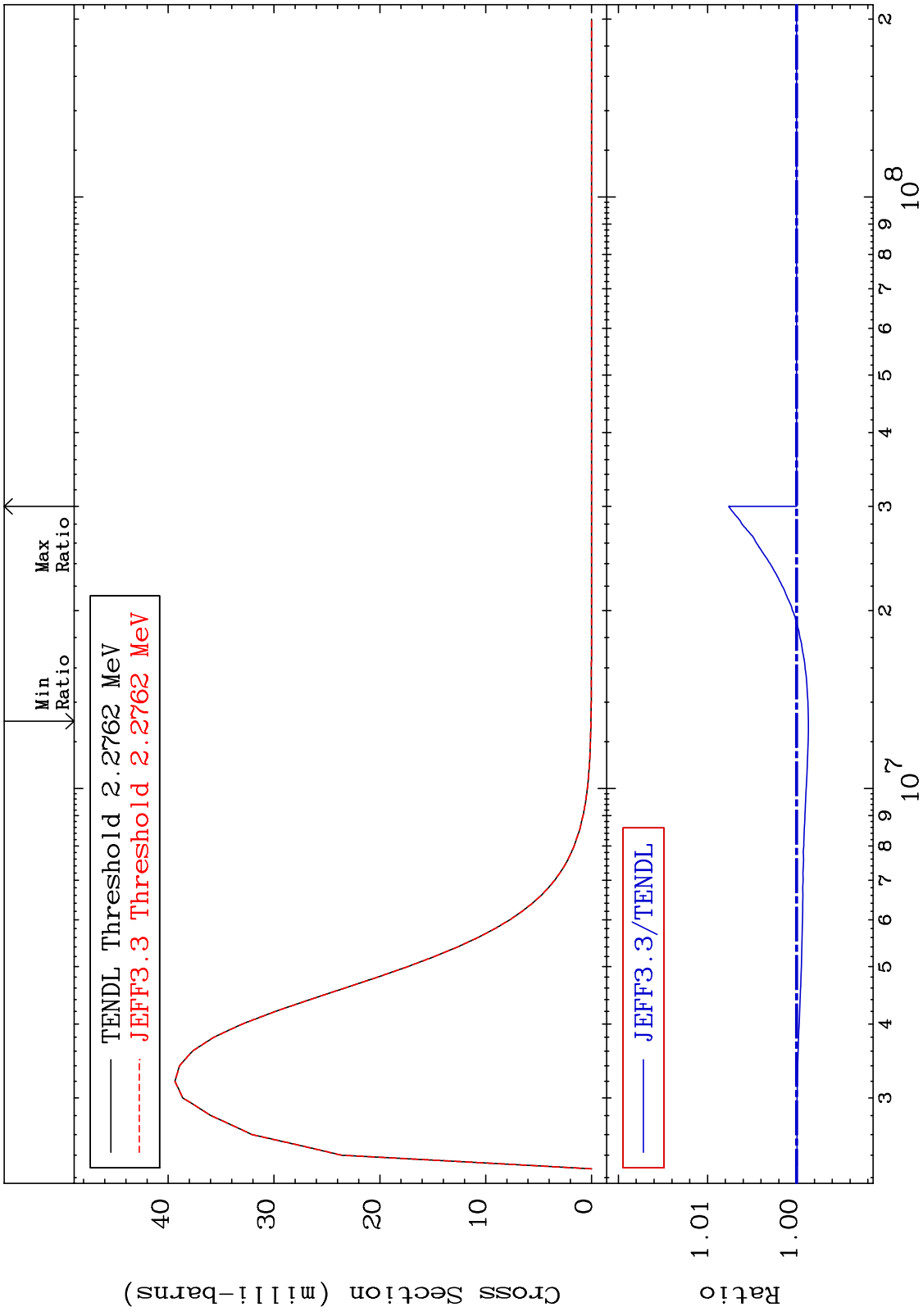
MAT 2034 MT= 61 (n,n') Level 20-Ca-43
 Cross Section -0.014 To 0.008 %



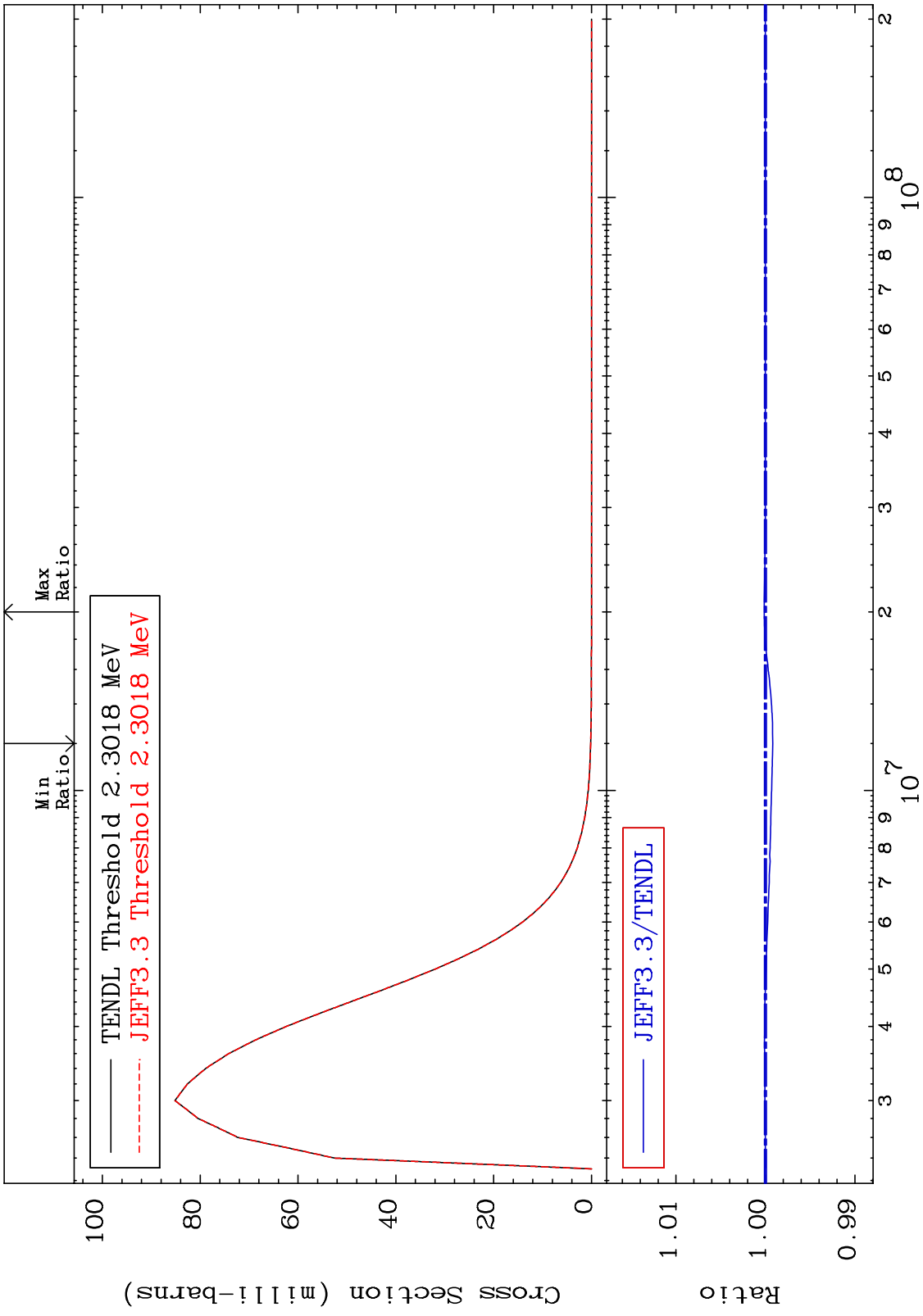
MAT 2034 MT= 62 (n,n') Level Cross Section -0.146 To 0.751 % 20-Ca-43



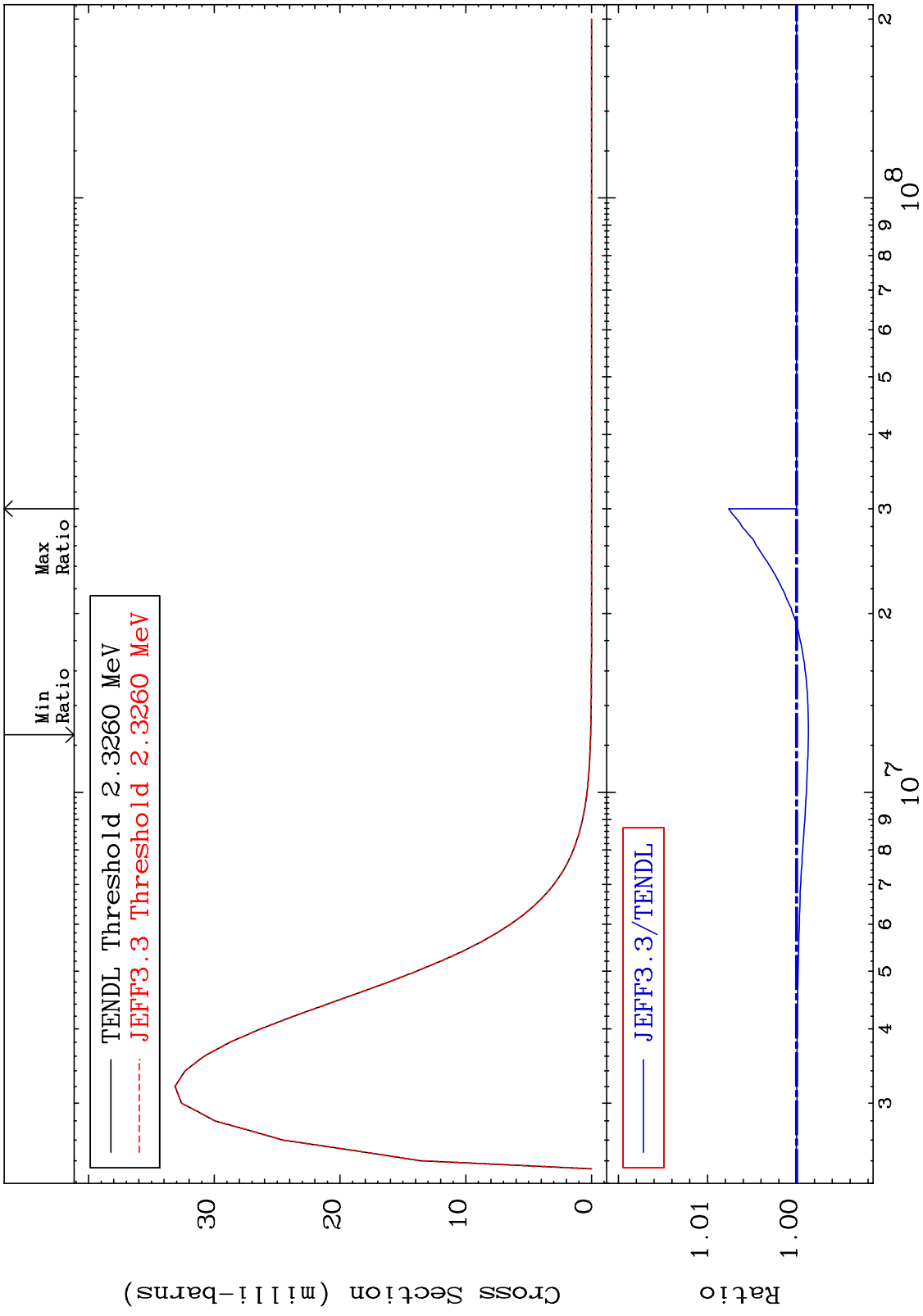
MAT 2034 MT= 63 (n,n') Level Cross Section -0.131 To 0.764 % 20-Ca-43



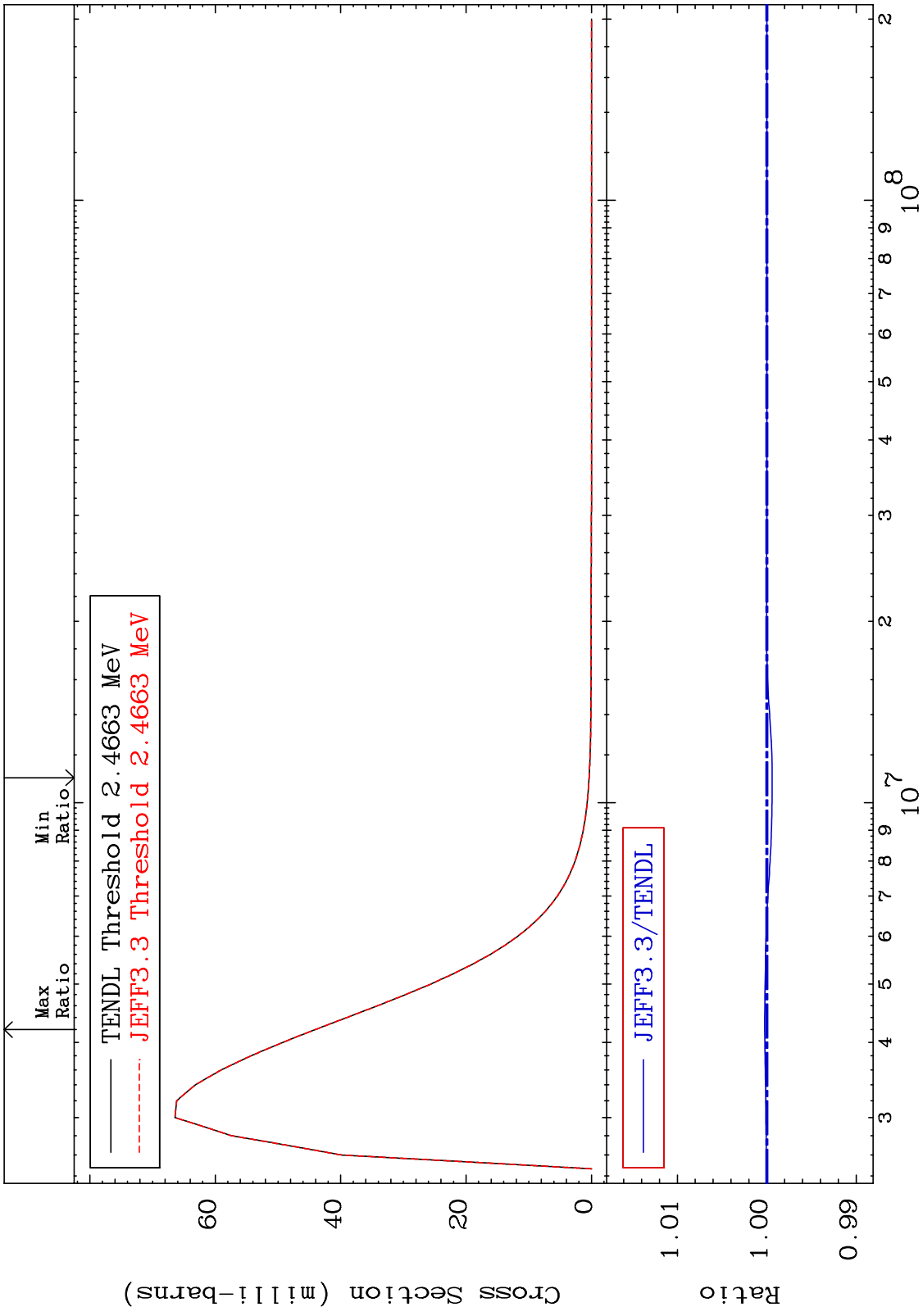
MAT 2034 MT= 64 (n,n') Level Cross Section 20-Ca-43 -0.081 To 0.014 %



MAT 2034 MT= 65 (n,n') Level Cross Section -0.131 To 0.765 % 20-Ca-43



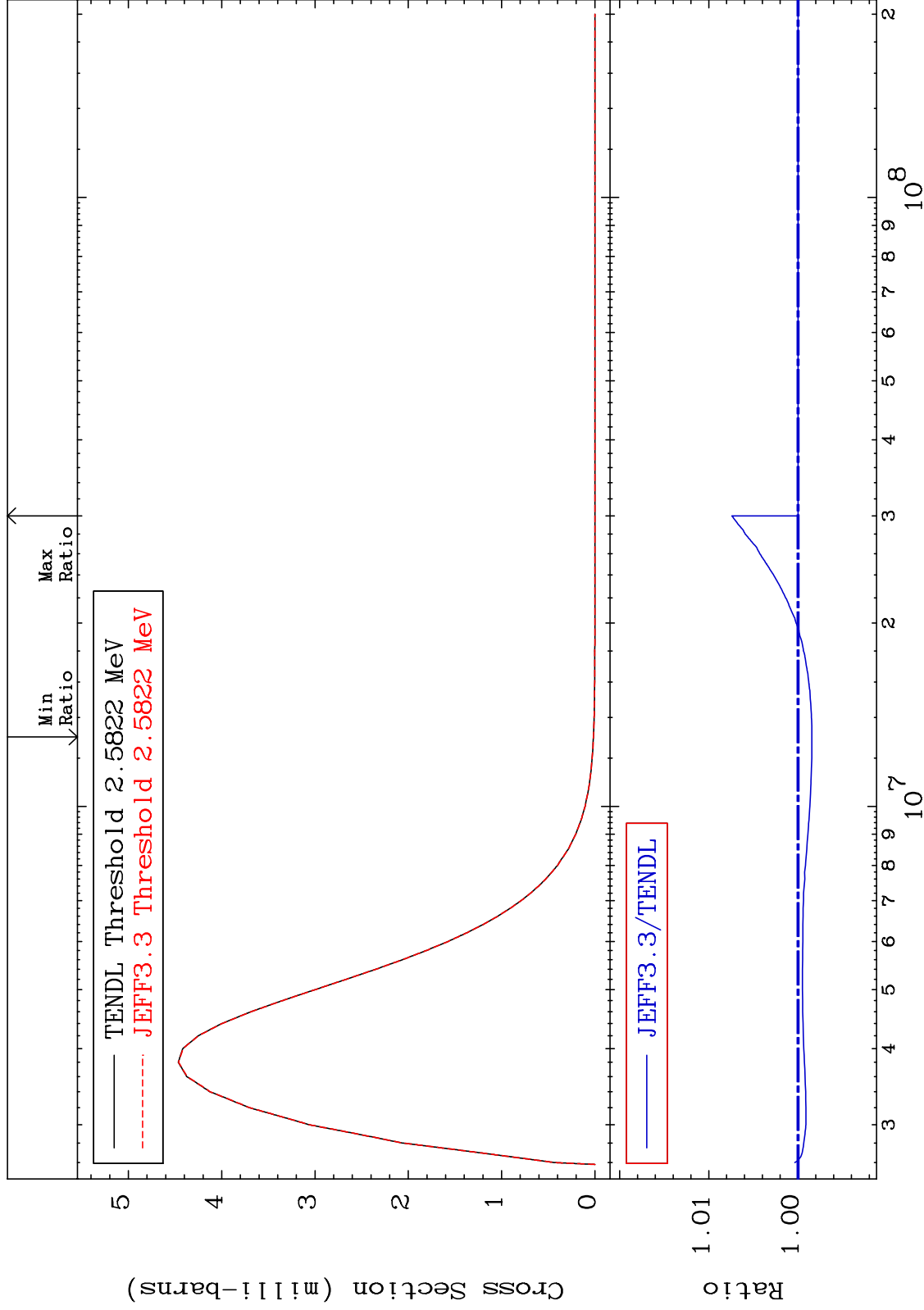
MAT 2034 MT= 66 (n,n') Level Cross Section 20-Ca-43
 -0.060 To 0.023 %



MAT 2034

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

20-Ca-43
-0.157 To 0.742 %

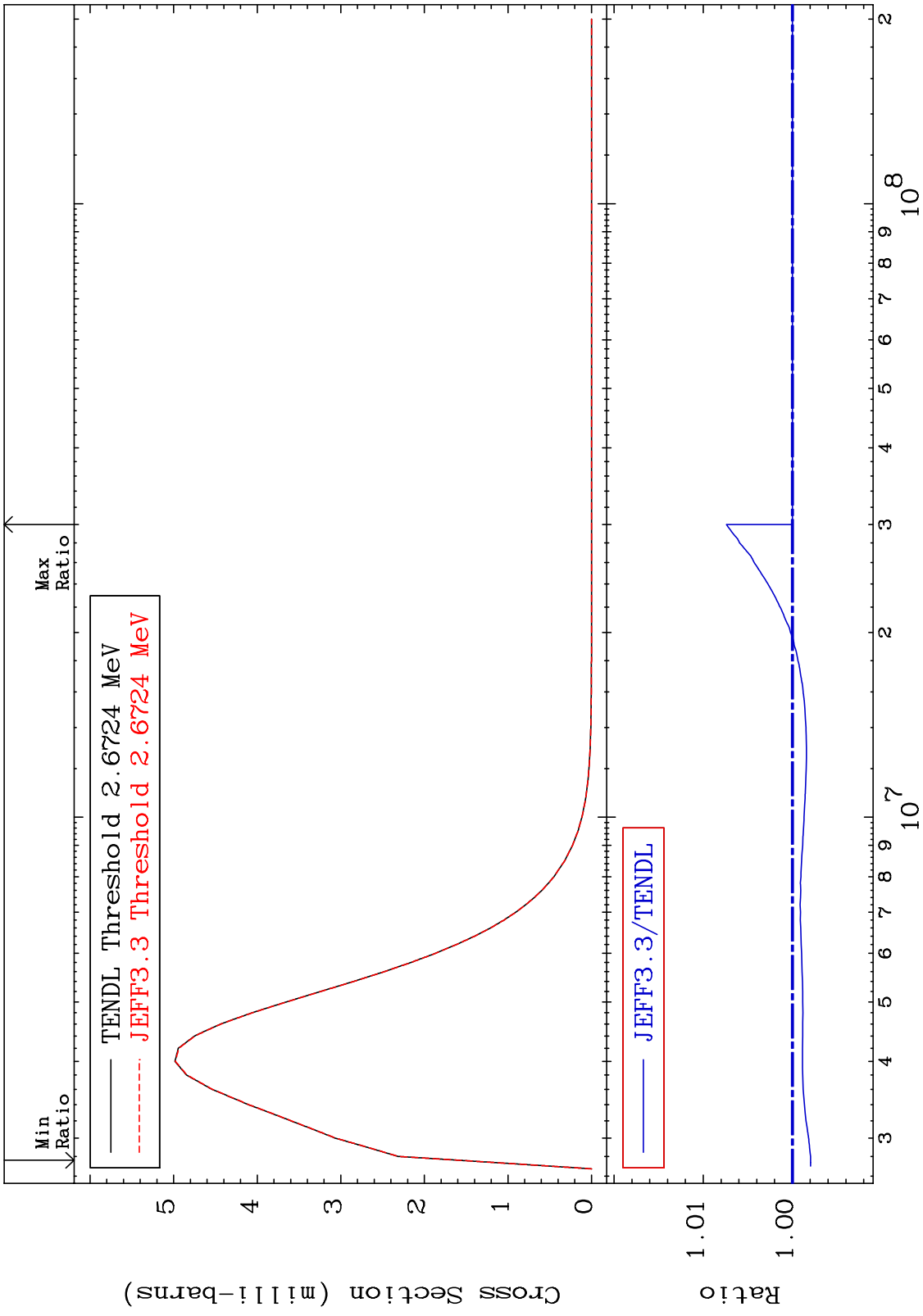


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Incident Energy (eV)

20-Ca-43

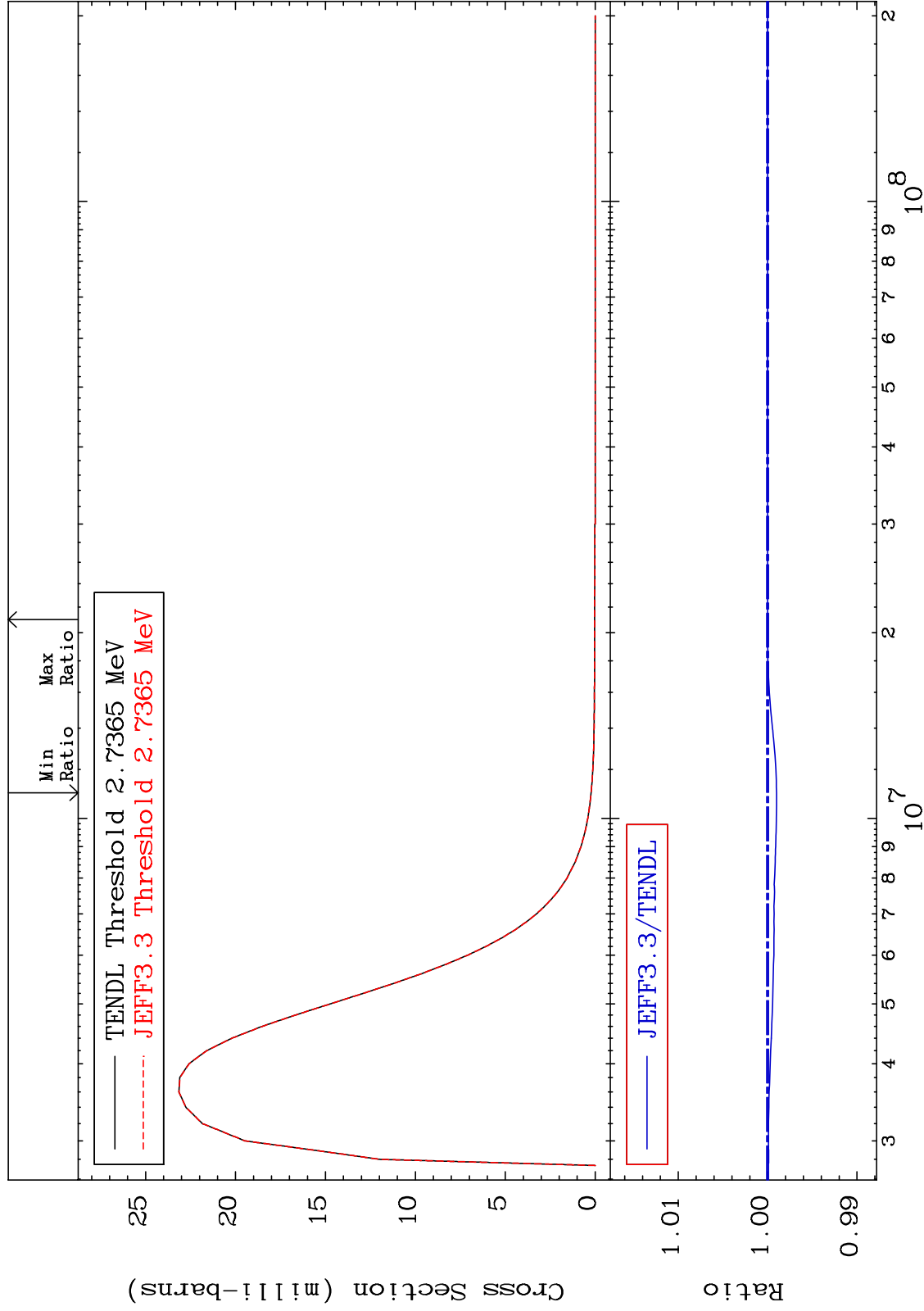
MAT 2034 MT= 68 (n,n') Level Cross Section -0.204 To 0.741 % 20-Ca-43



MAT 2034

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

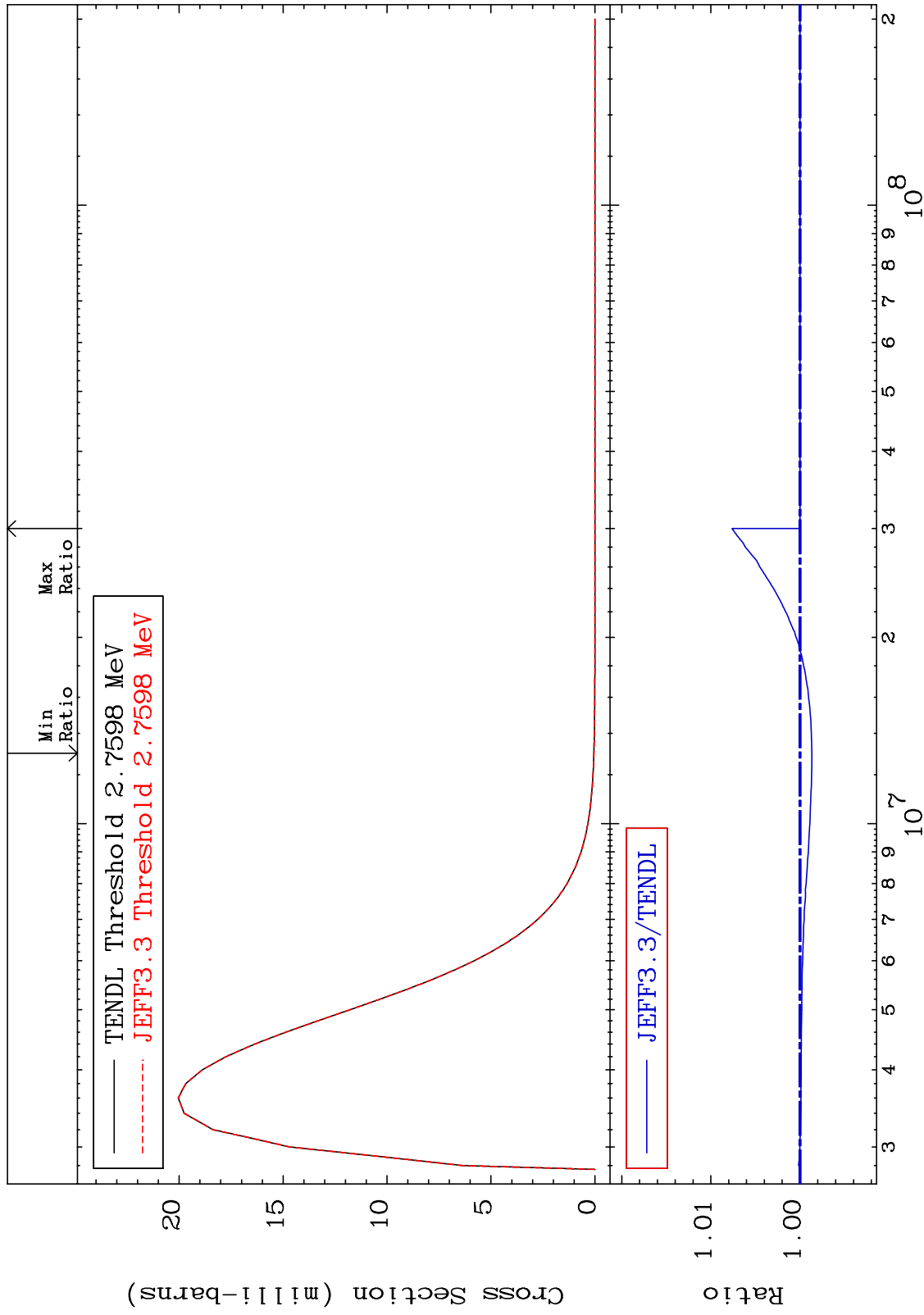
20-Ca-43
-0.099 To 0.002 %



MAT 2034

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

20-Ca-43
-0.132 To 0.764 %

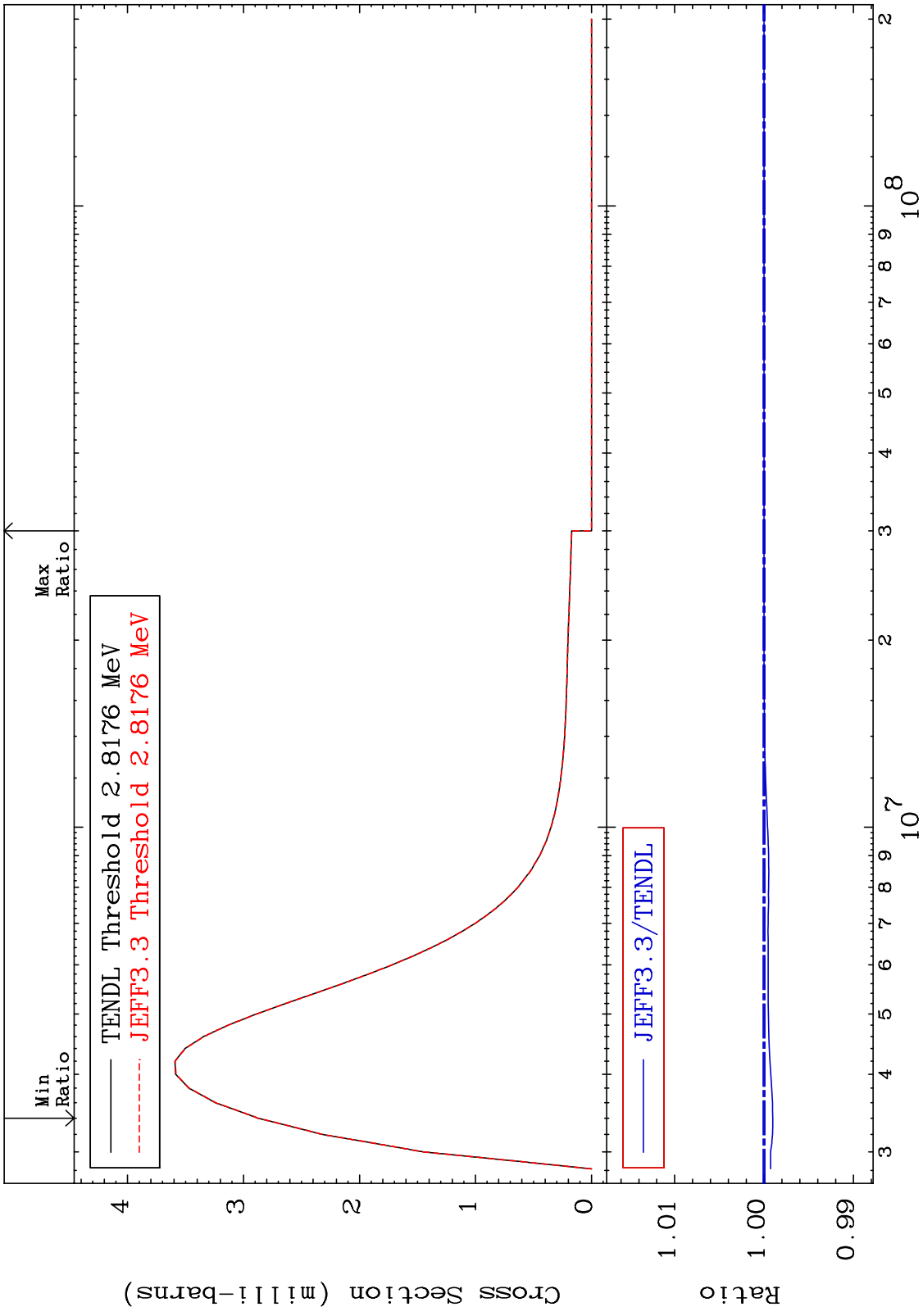


39

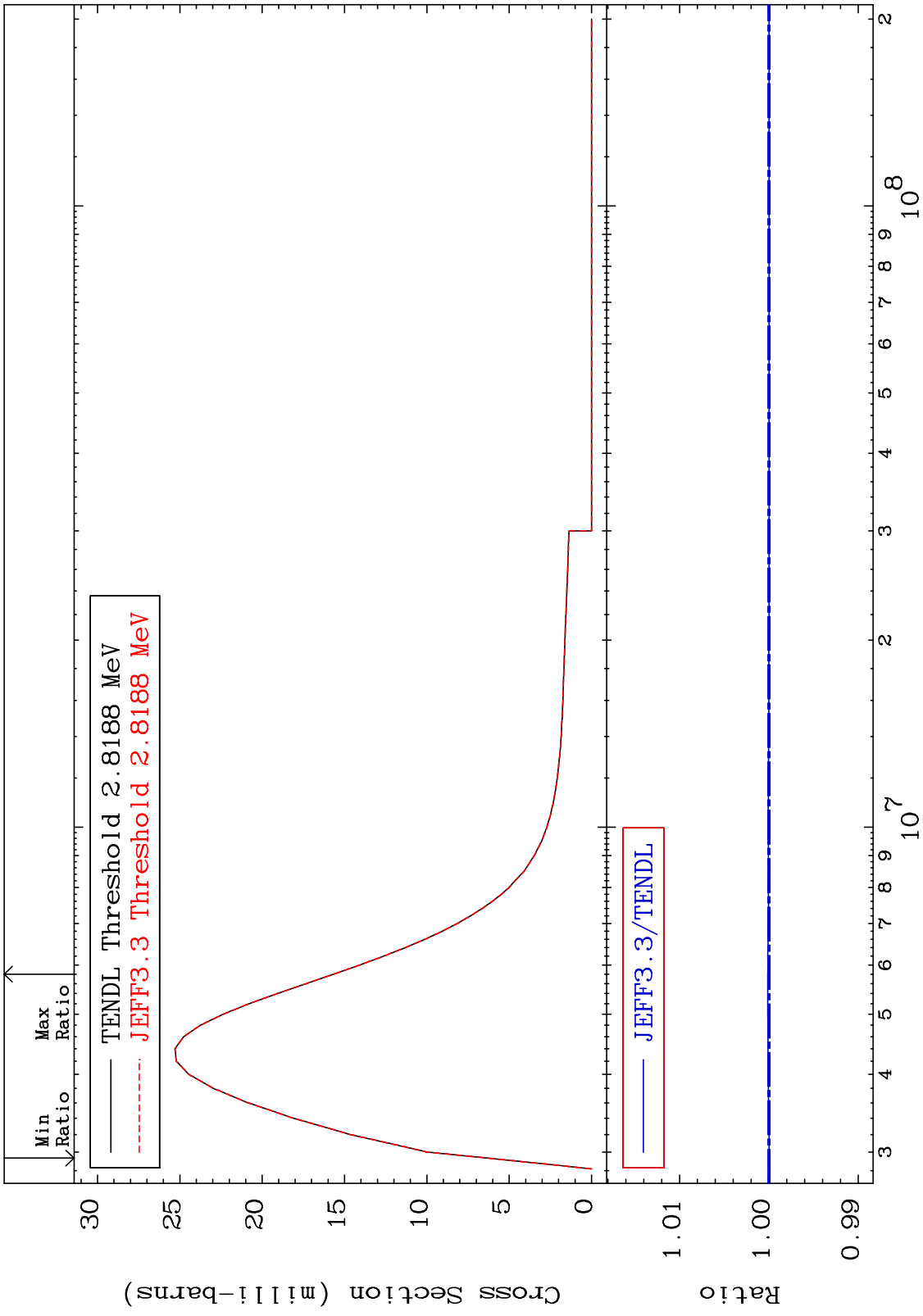
Incident Energy (eV)

20-Ca-43

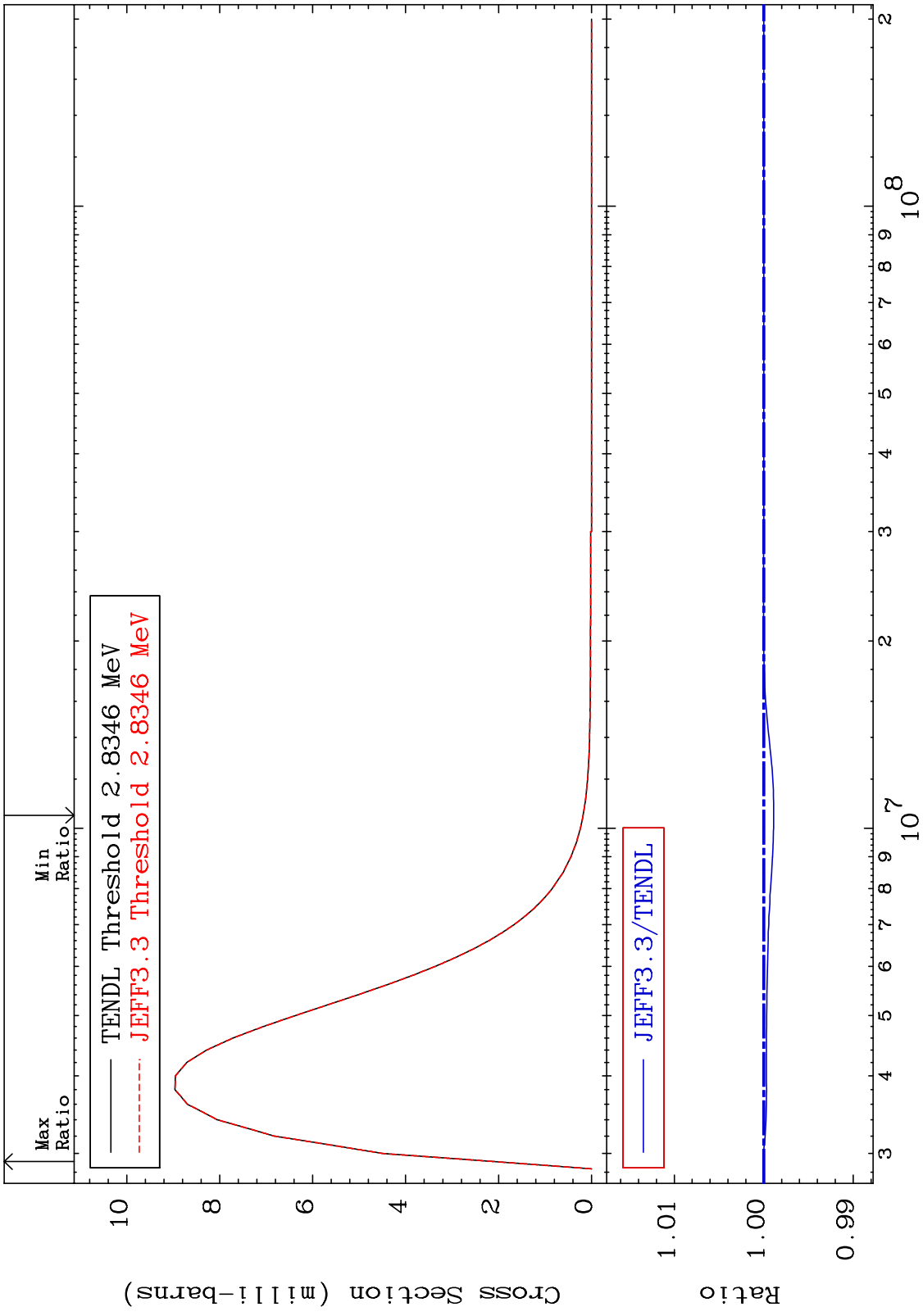
MAT 2034 MT= 71 (n,n') Level Cross Section 20-Ca-43
-0.098 To 0.000 %



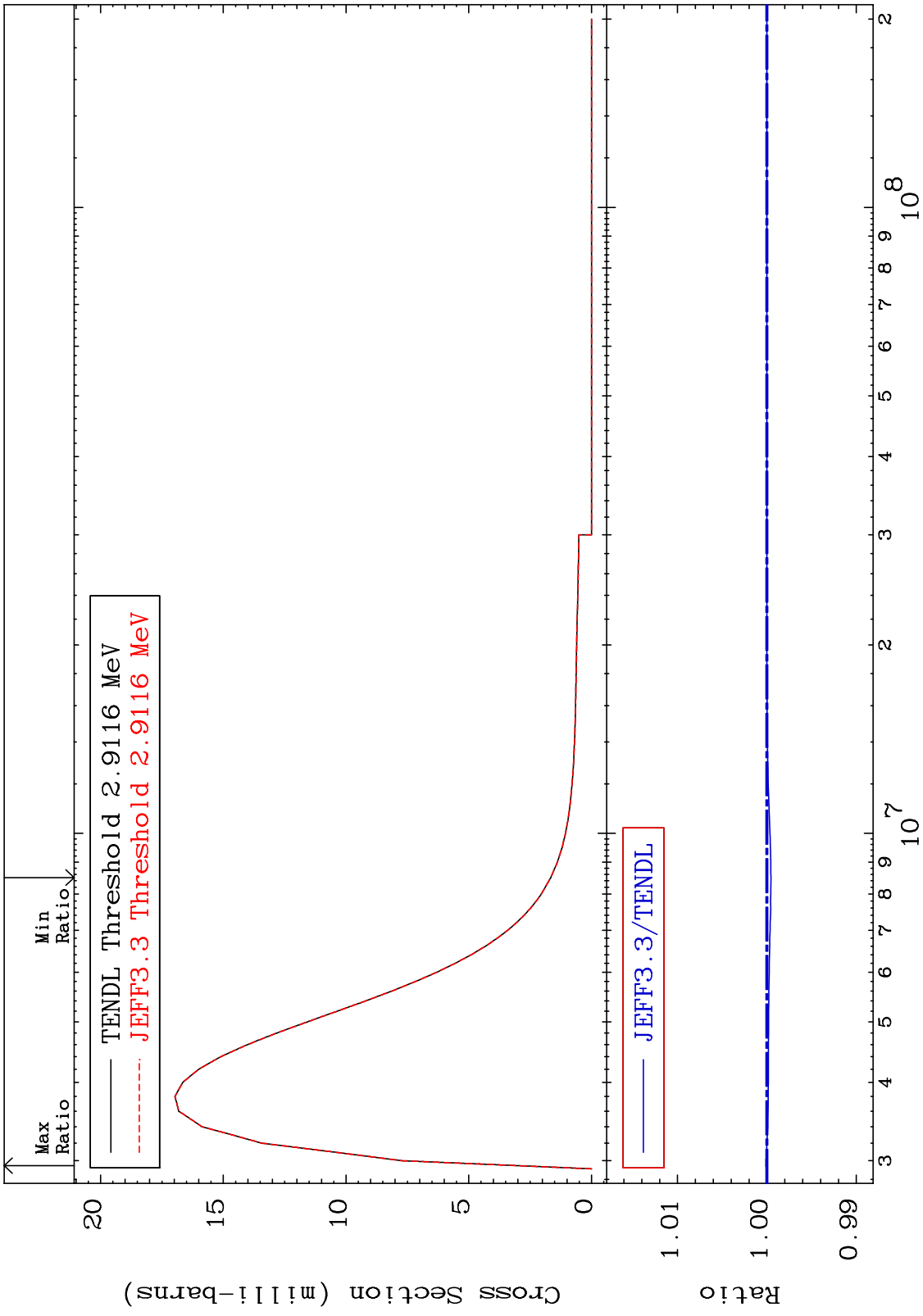
MAT 2034 MT= 72 (n,n') Level Cross Section 20-Ca-43
 -0.002 To 0.013 %



MAT 2034 MT= 73 (n,n') Level Cross Section 20-Ca-43
 -0.111 To 0.005 %

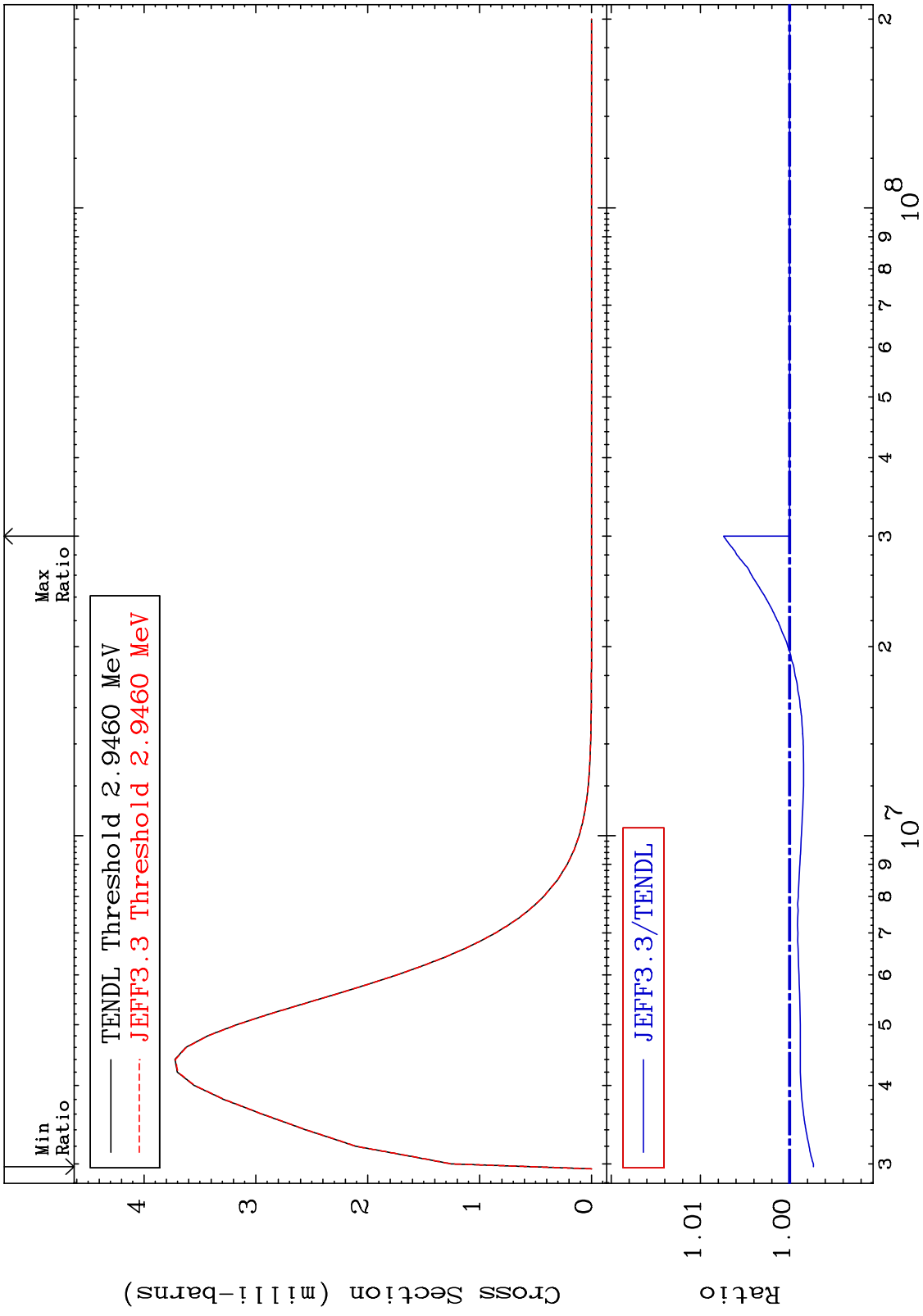


MAT 2034 MT= 74 (n,n') Level Cross Section 20-Ca-43
 -0.045 To 0.011 %

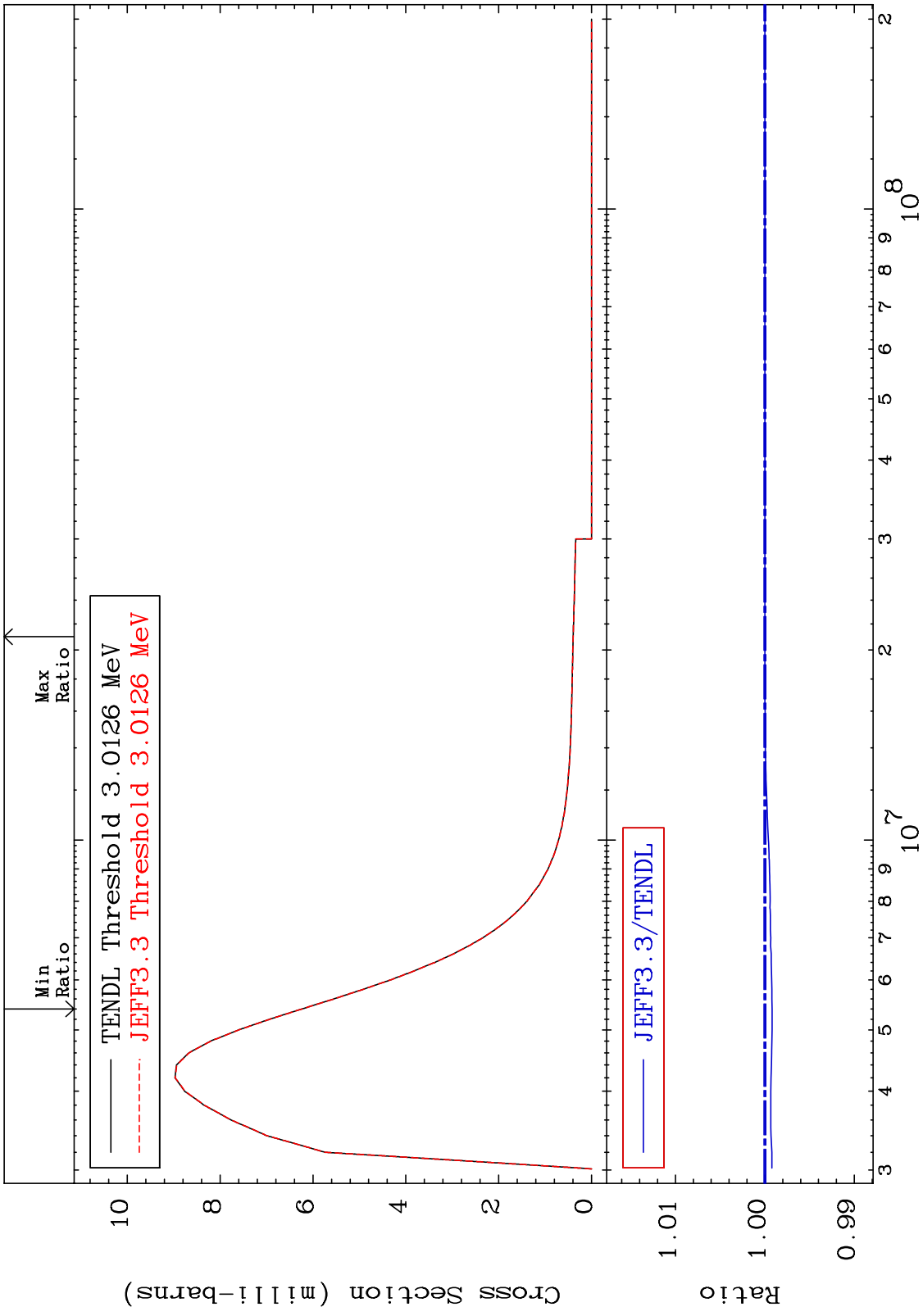


43 Incident Energy (eV) 20-Ca-43

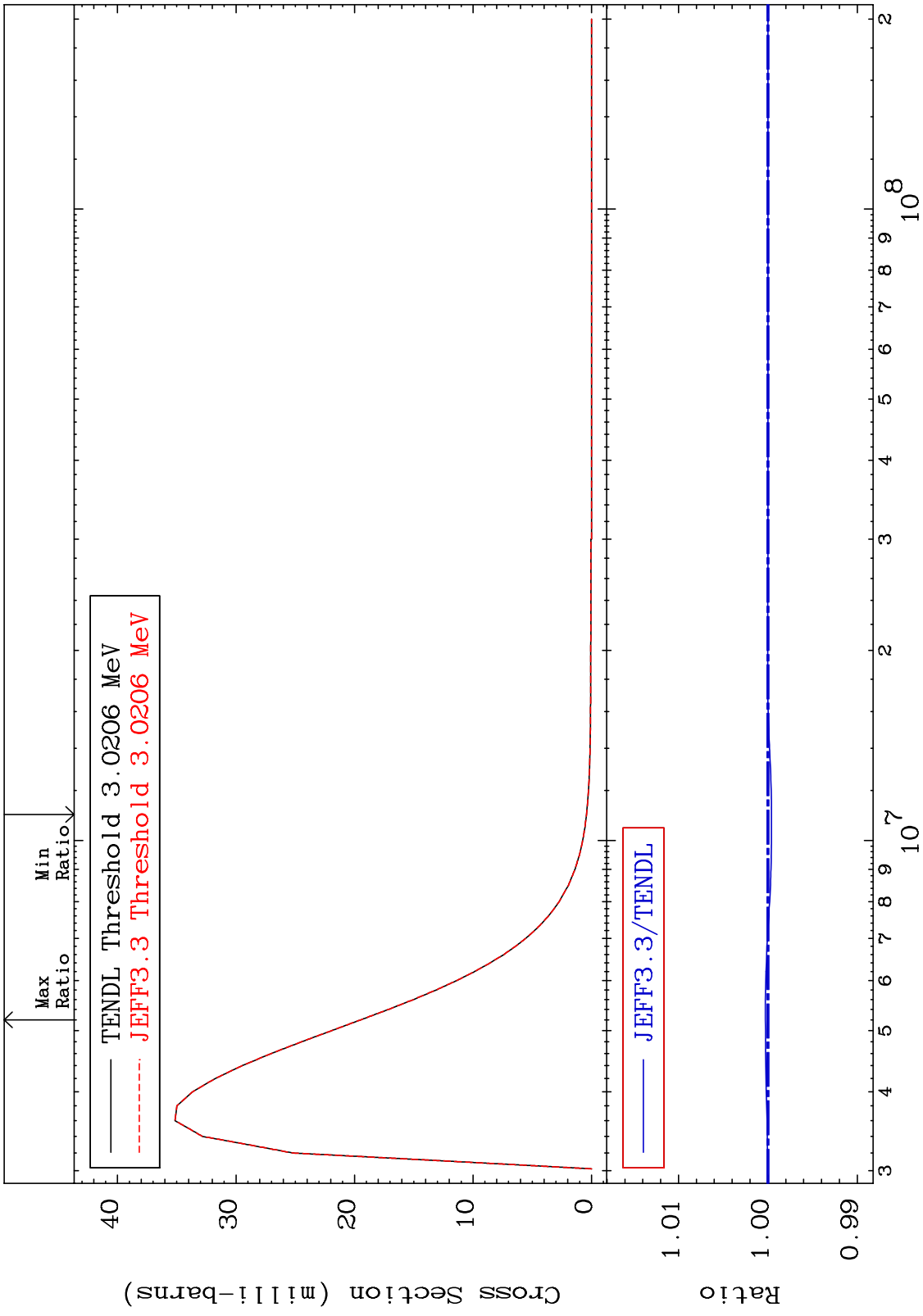
MAT 2034 MT= 75 (n,n') Level Cross Section -0.267 To 0.741 % 20-Ca-43



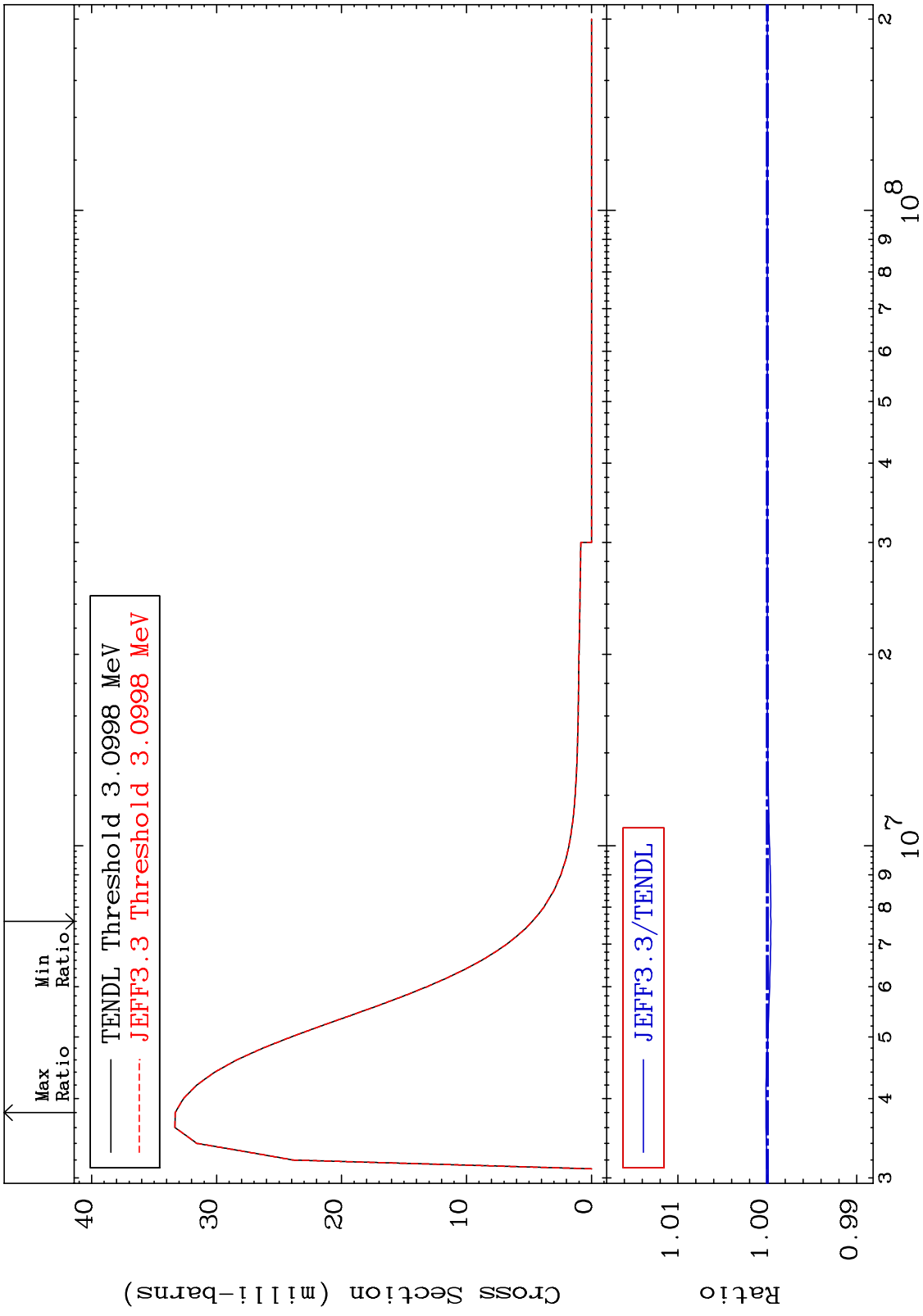
MAT 2034 MT= 76 (n,n') Level Cross Section 20-Ca-43
 -0.080 To 0.000 %



MAT 2034 MT= 77 (n,n') Level Cross Section 20-Ca-43
 -0.040 To 0.028 %



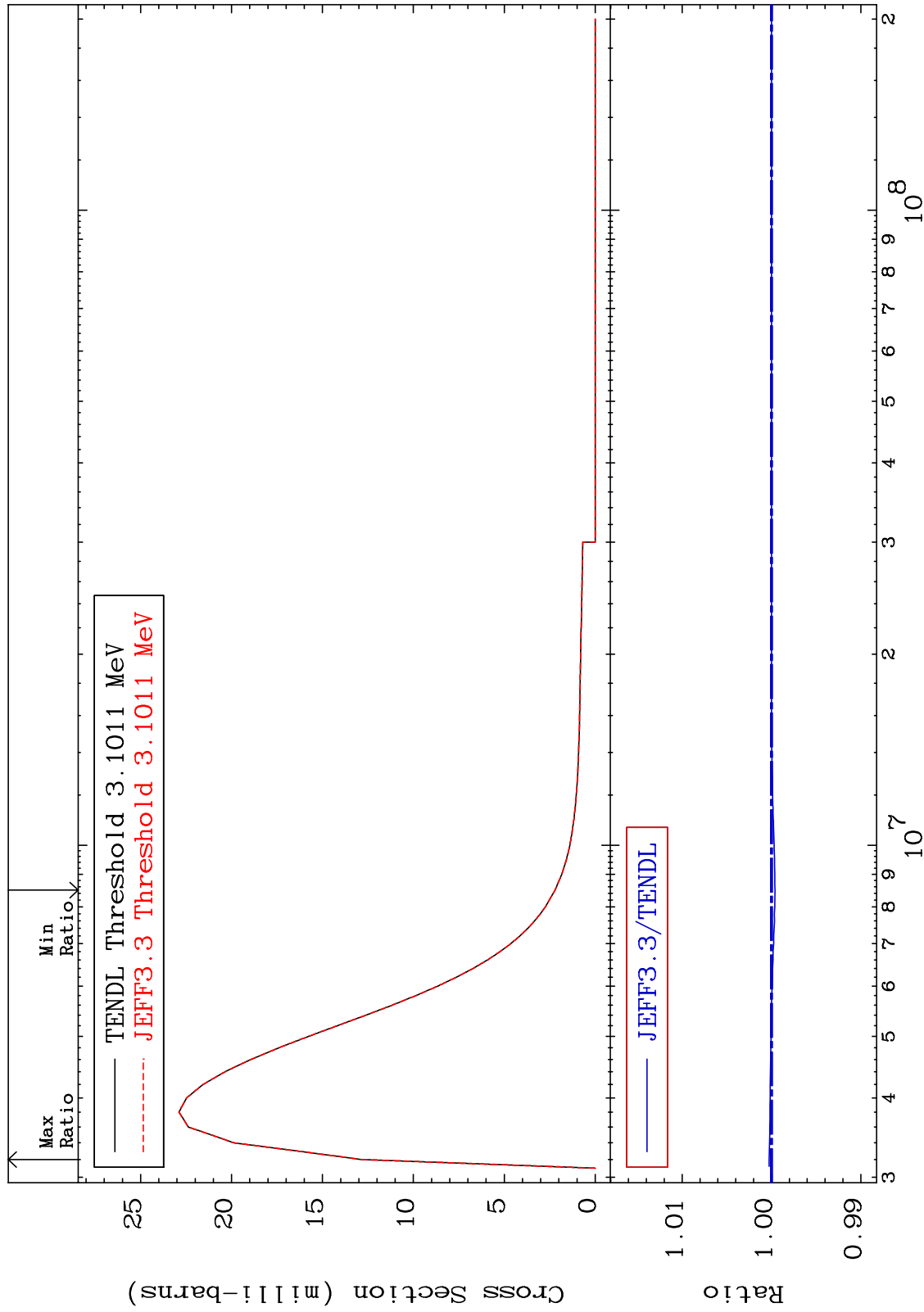
MAT 2034 MT= 78 (n,n') Level Cross Section -0.041 To 0.017 % 20-Ca-43



MAT 2034

MT= 79 (n,n') Level
Cross Section

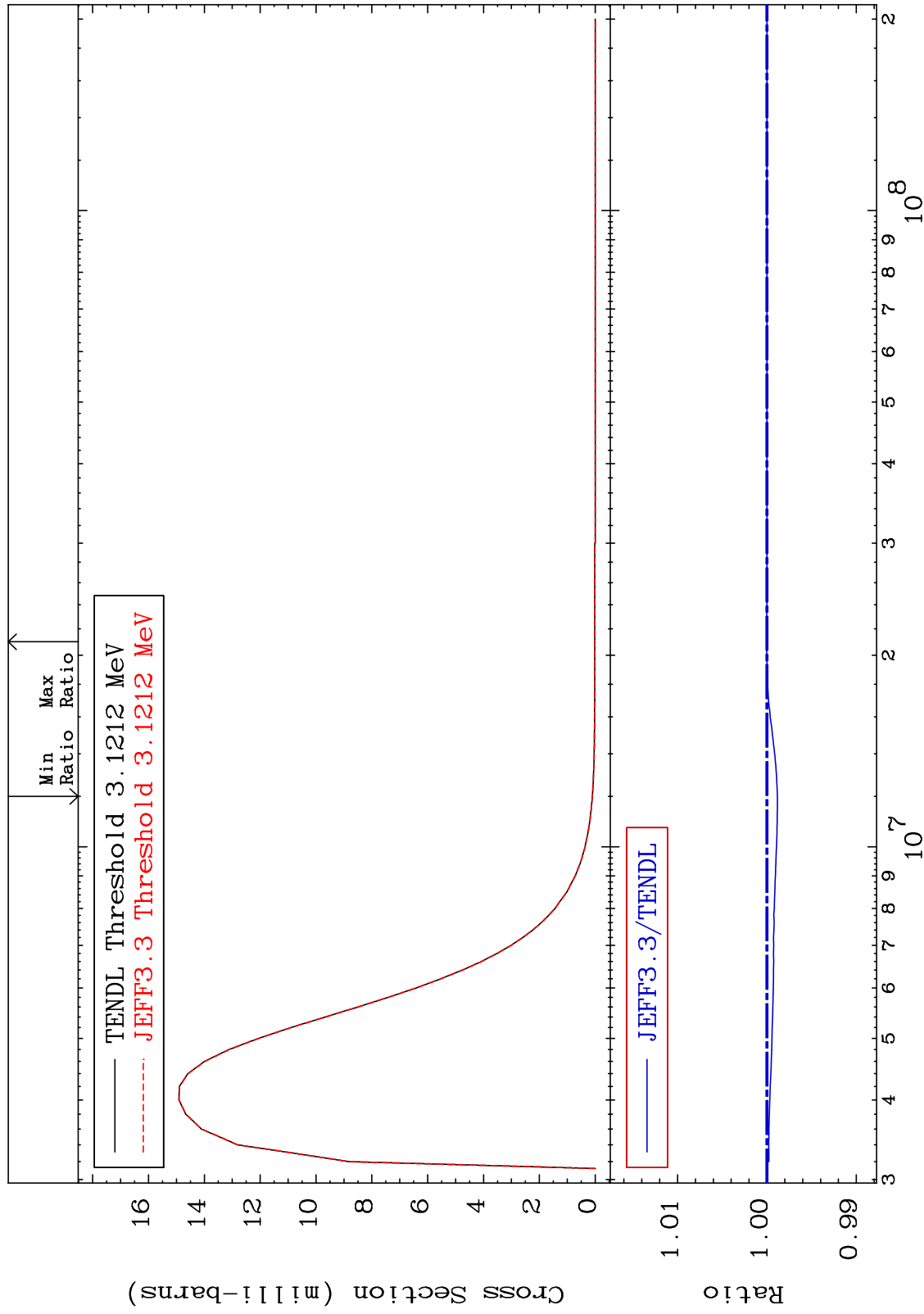
20-Ca-43
-0.039 To 0.026 %



MAT 2034

MT= 80 (n,n') Level
Cross Section

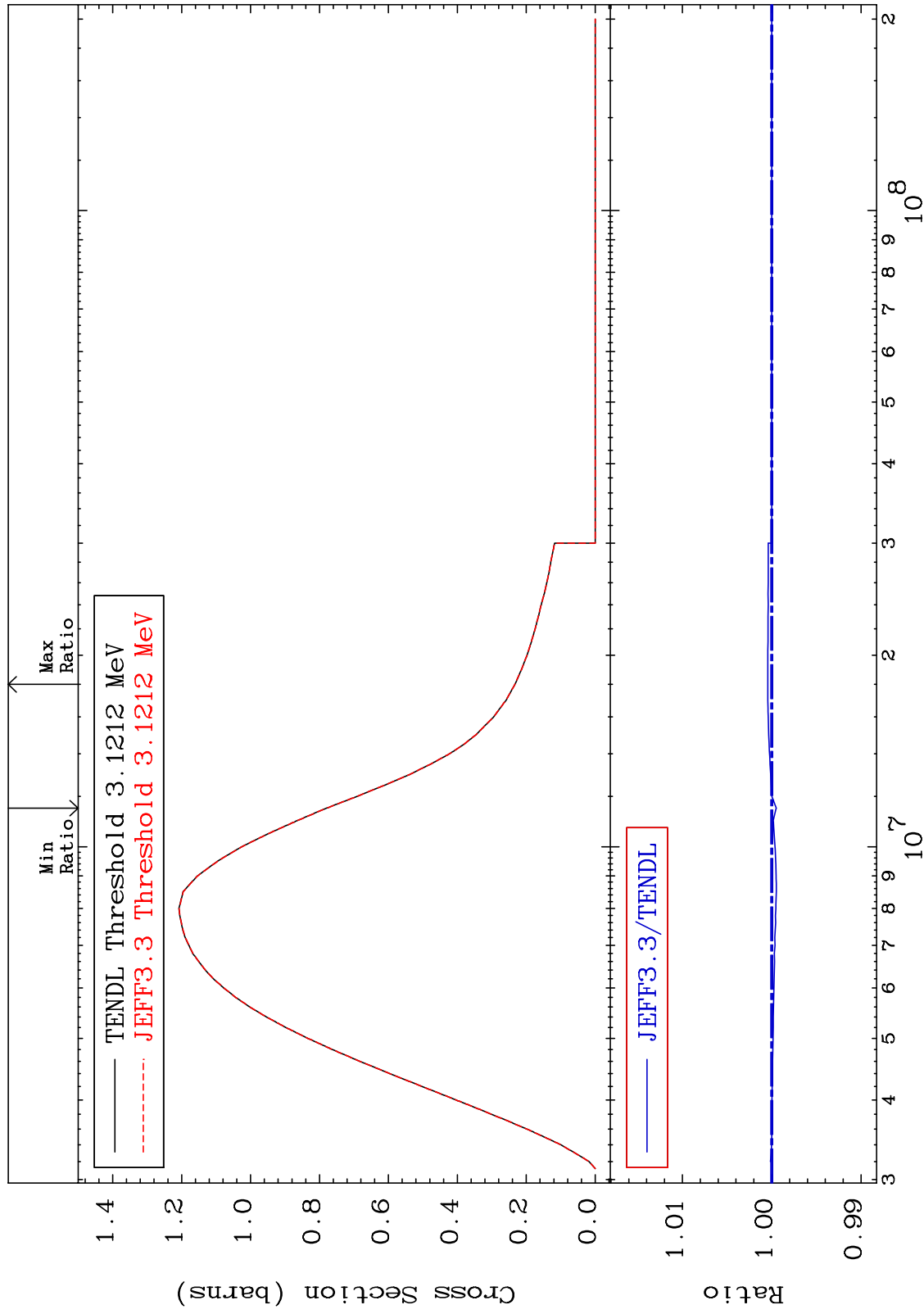
20-Ca-43
-0.117 To 0.004 %



MAT 2034

(n, n') Continuum
Cross Section

20-Ca-43
-0.051 To 0.044 %



50

Incident Energy (eV)

20-Ca-43

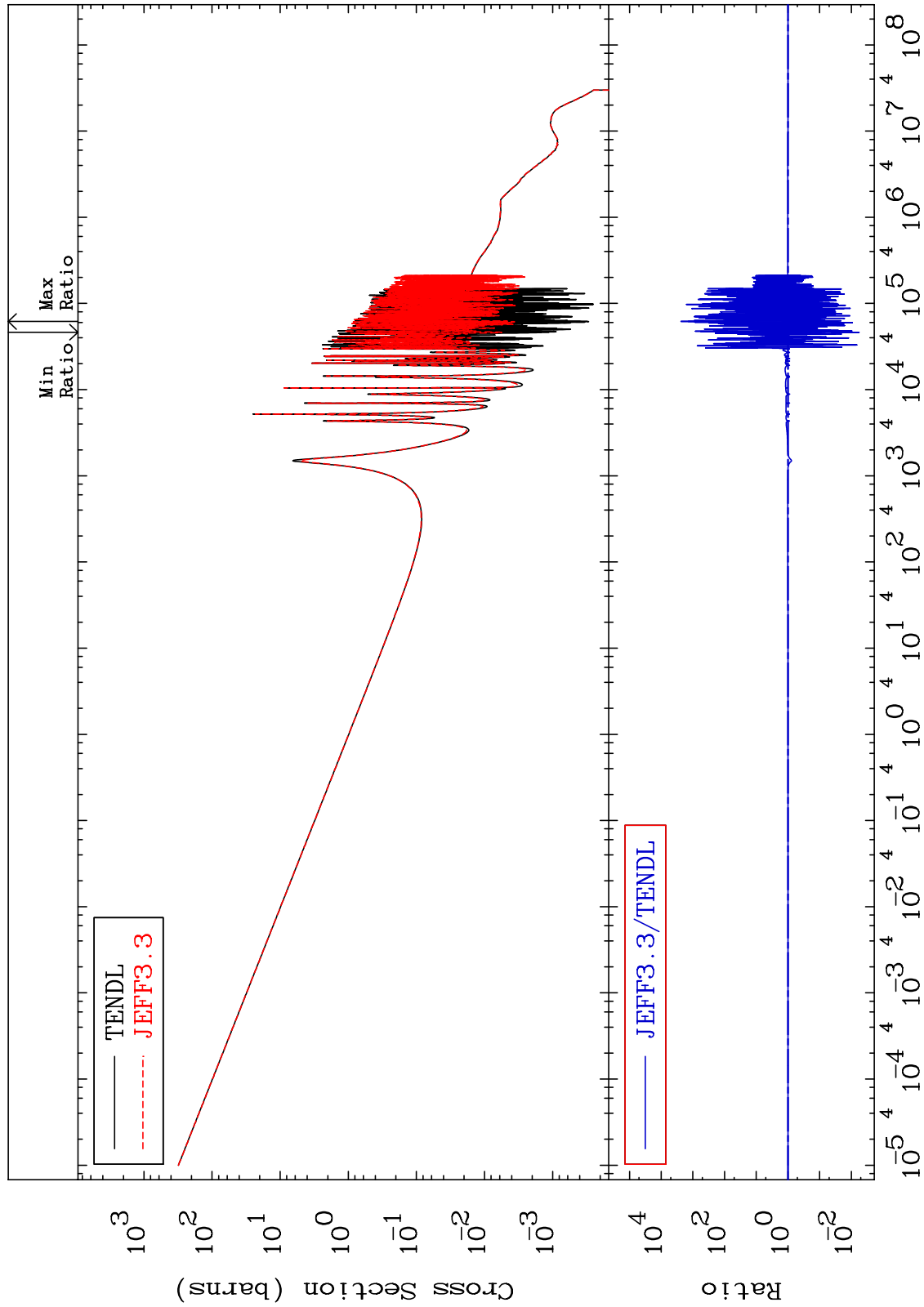
MAT 2034

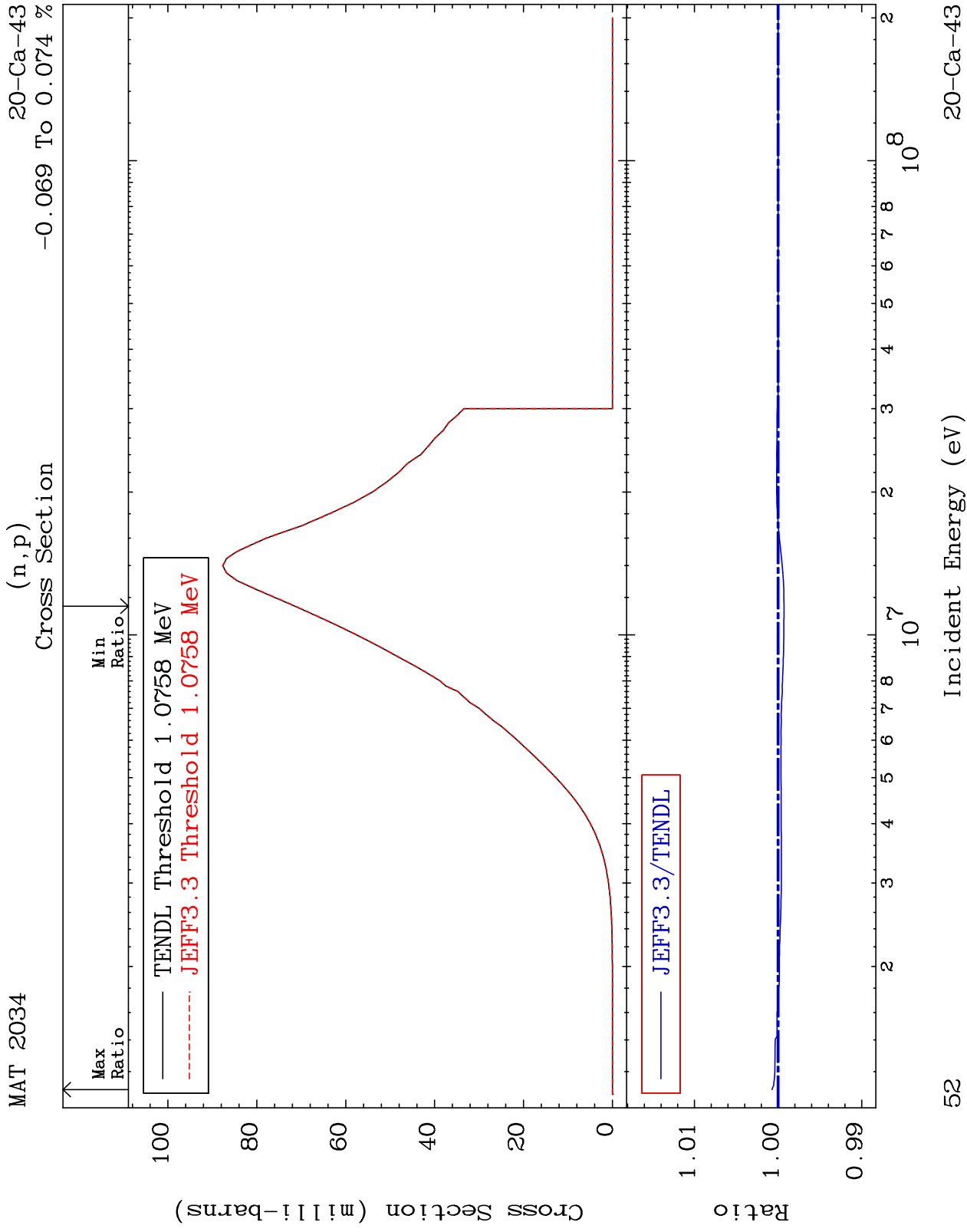
(n, γ)

20-Ca-43

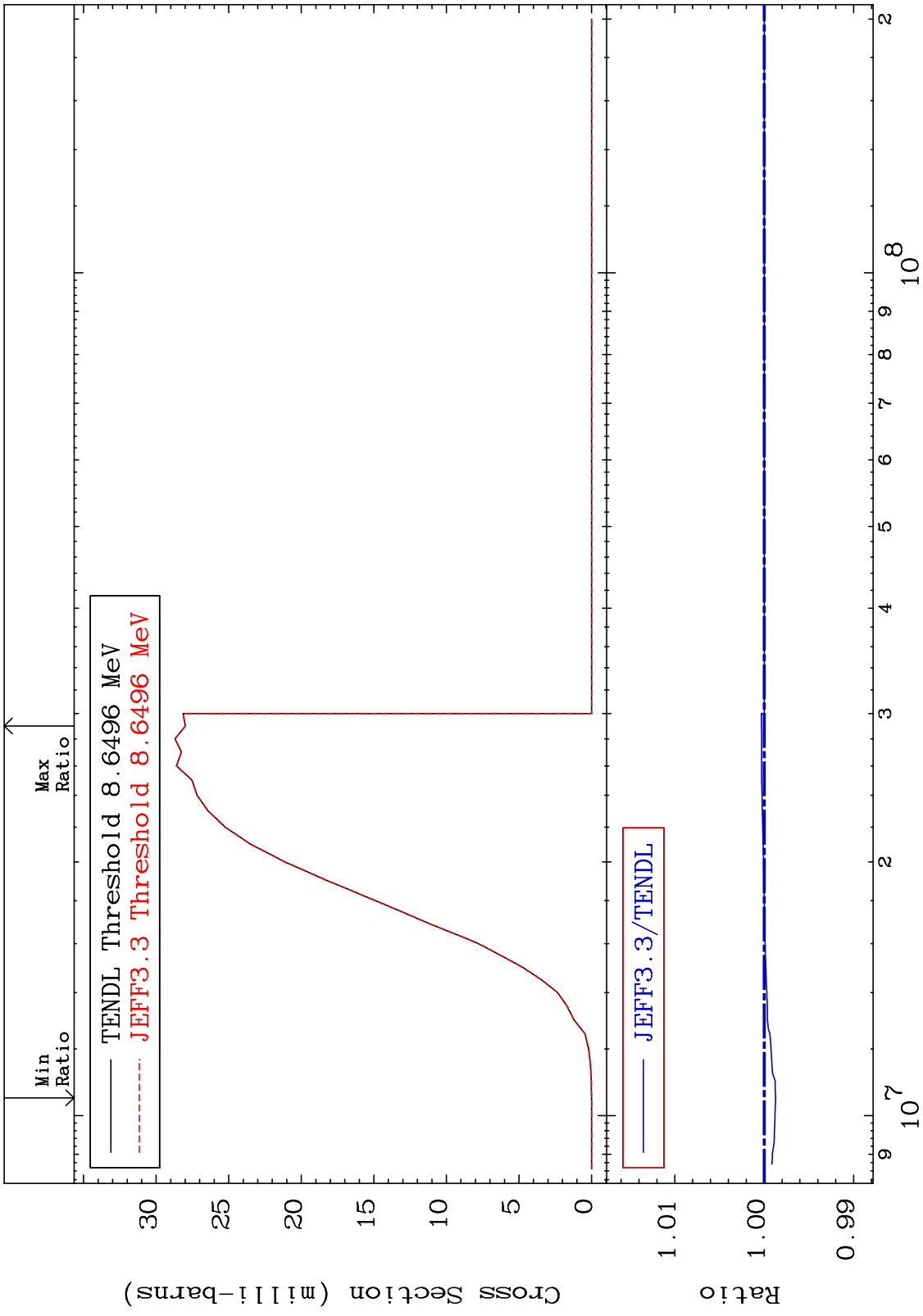
Cross Section

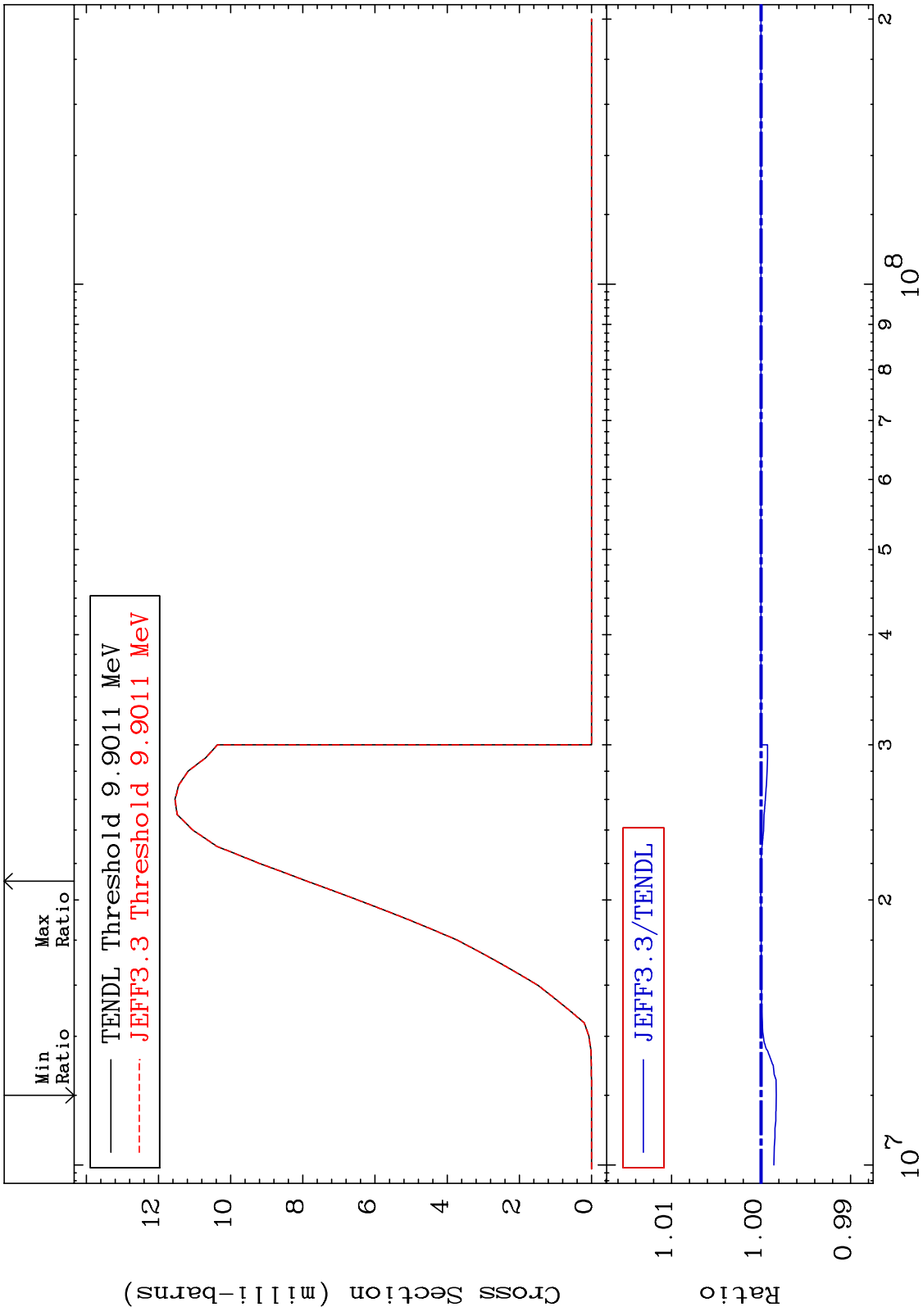
-99.43 To 9999. %



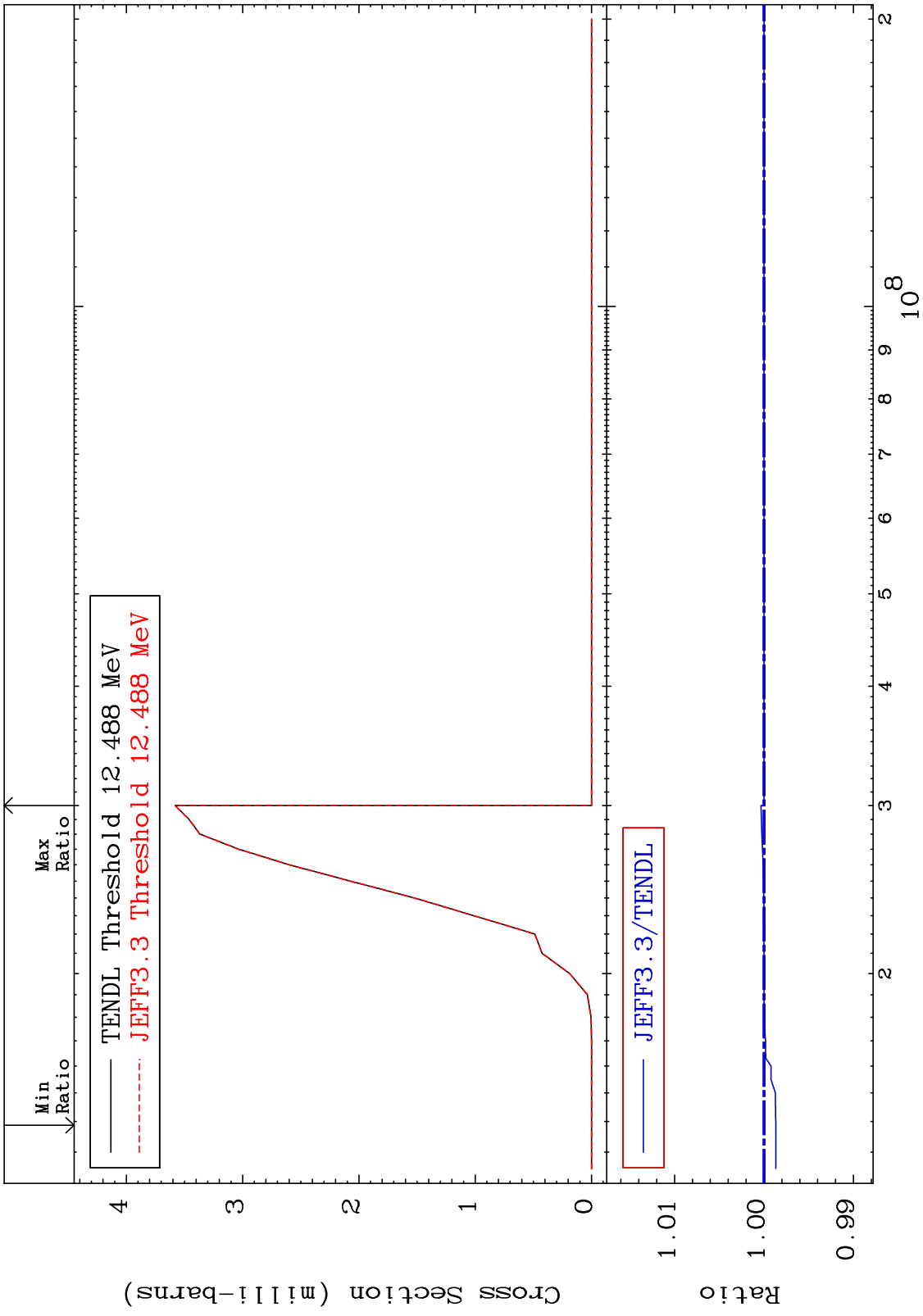


MAT 2034 (n,d) 20-Ca-43
 Cross Section -0.127 To 0.031 %

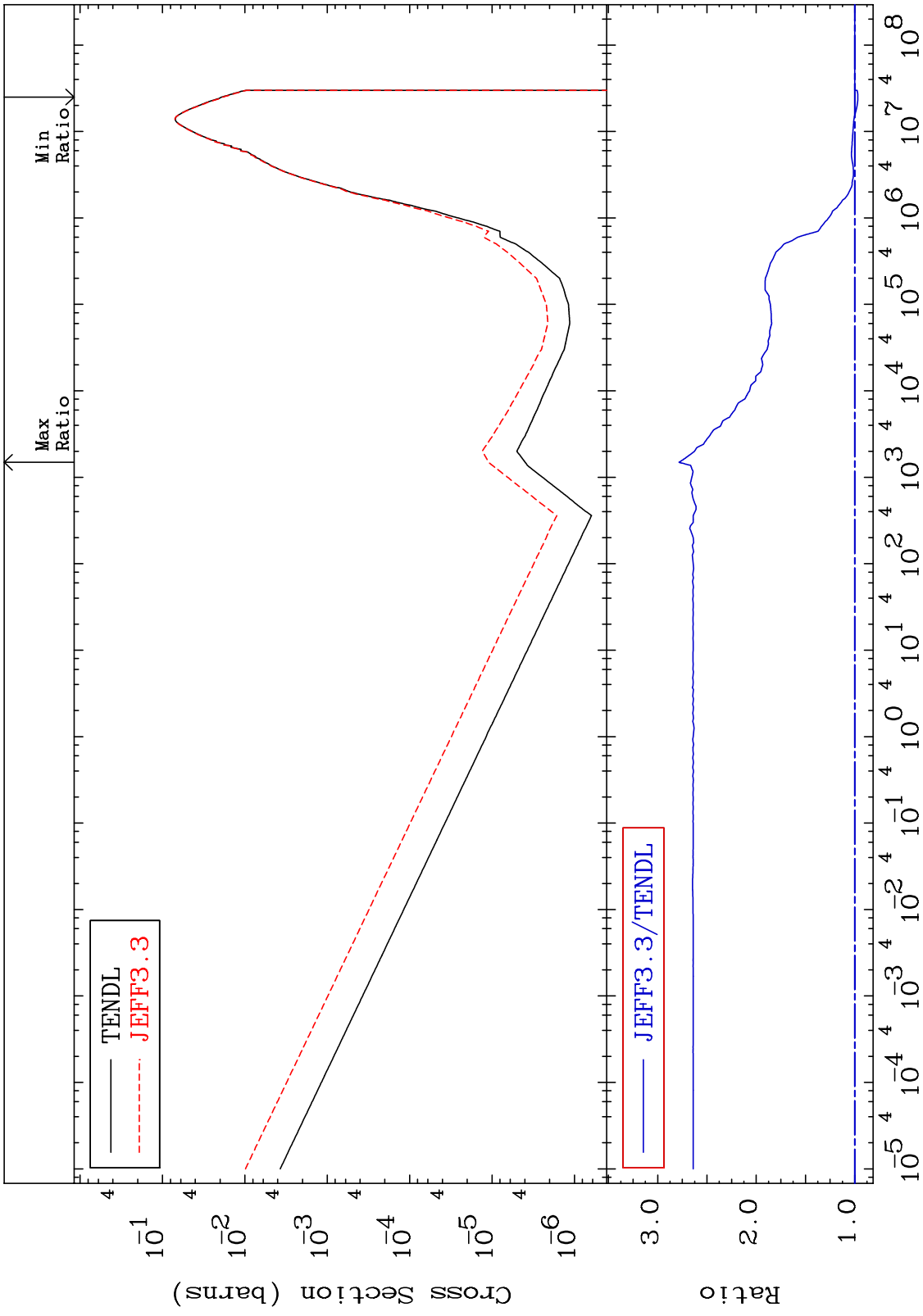




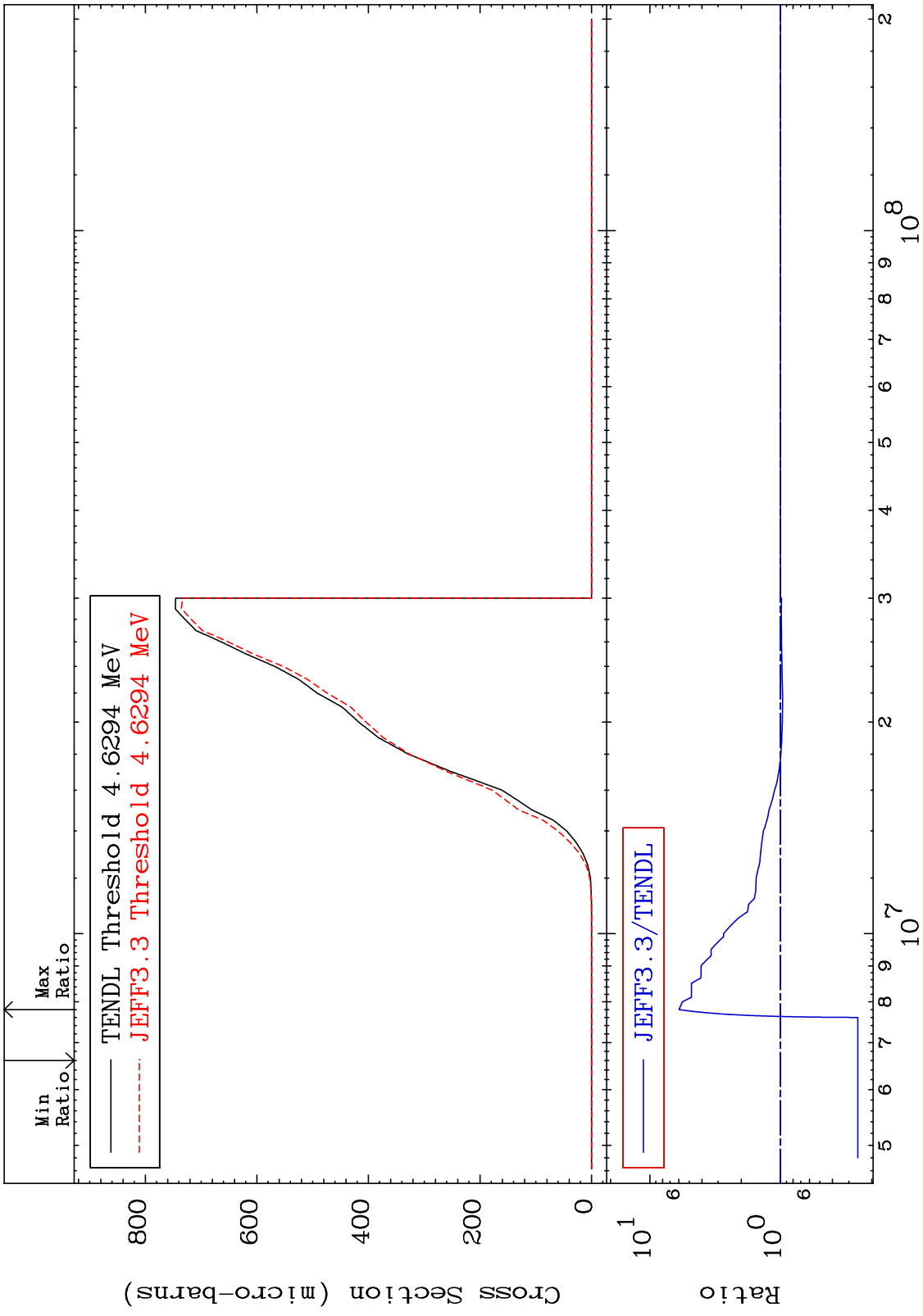
MAT 2034 (n, He-3) 20-Ca-43
 Cross Section -0.132 To 0.033 %



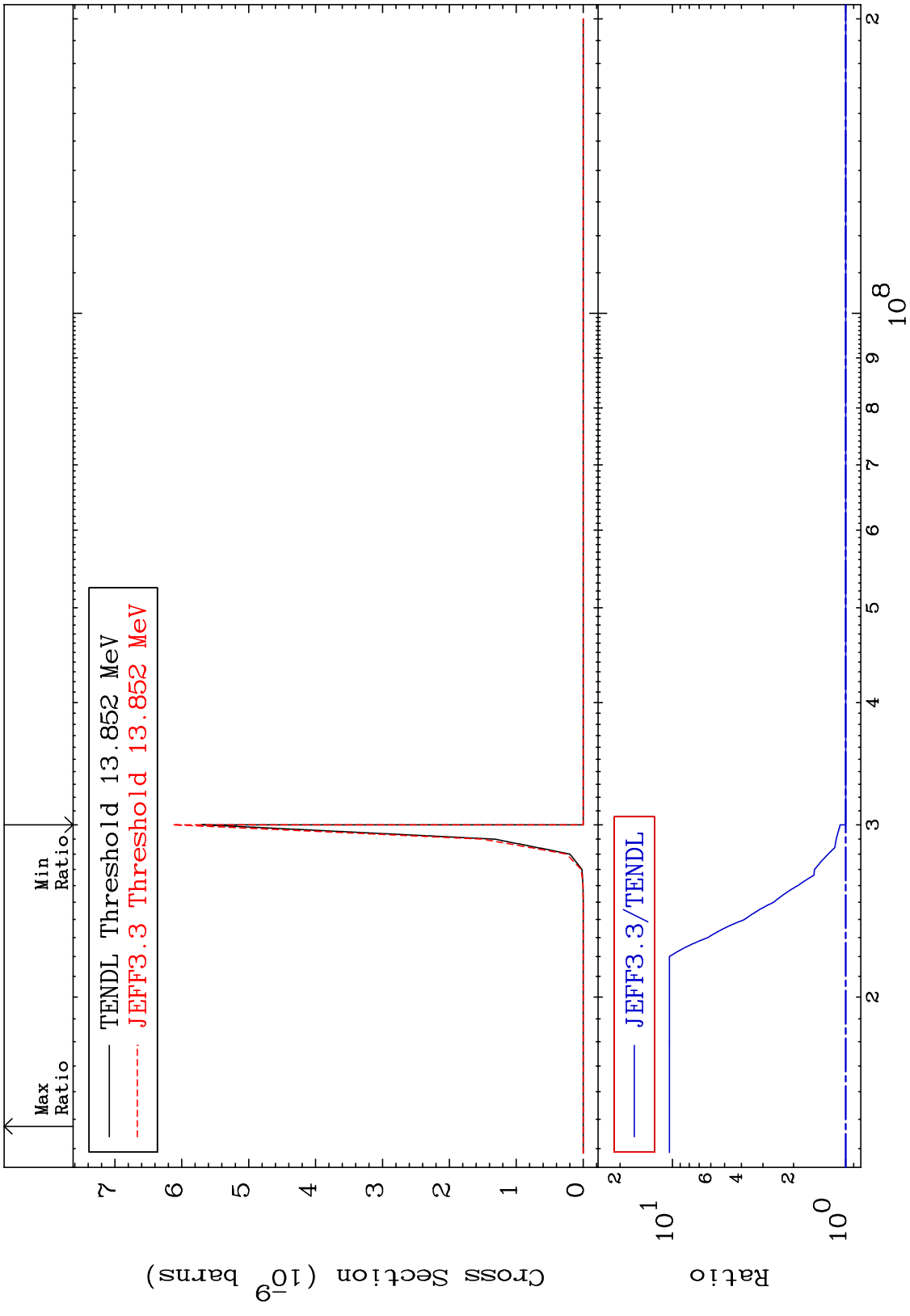
MAT 2034 (n,α) Cross Section 20-Ca-43 -3.147 To 178.4 %

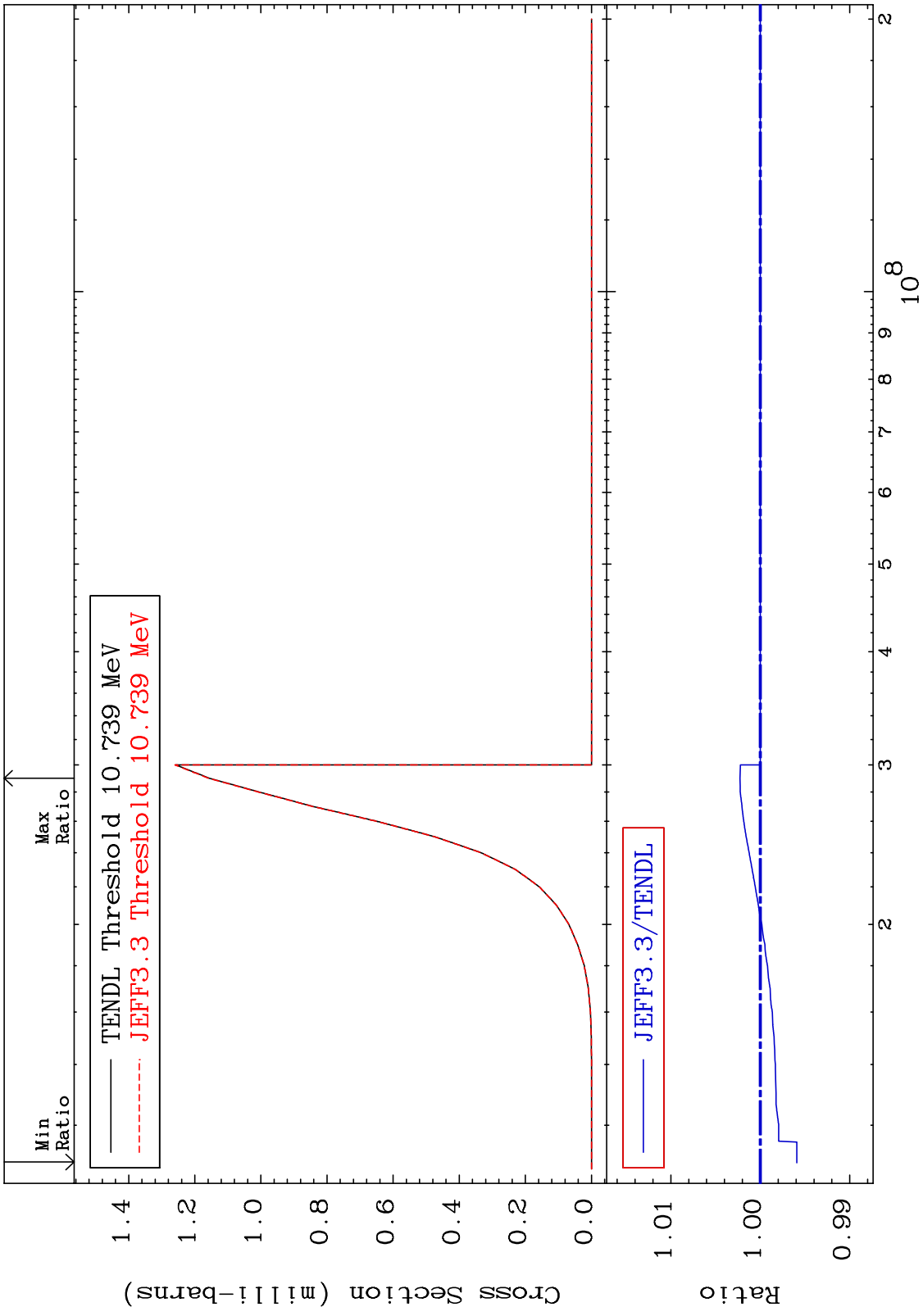


MAT 2034 (n,2α) 20-Ca-43
 Cross Section -74.43 To 498.0 %

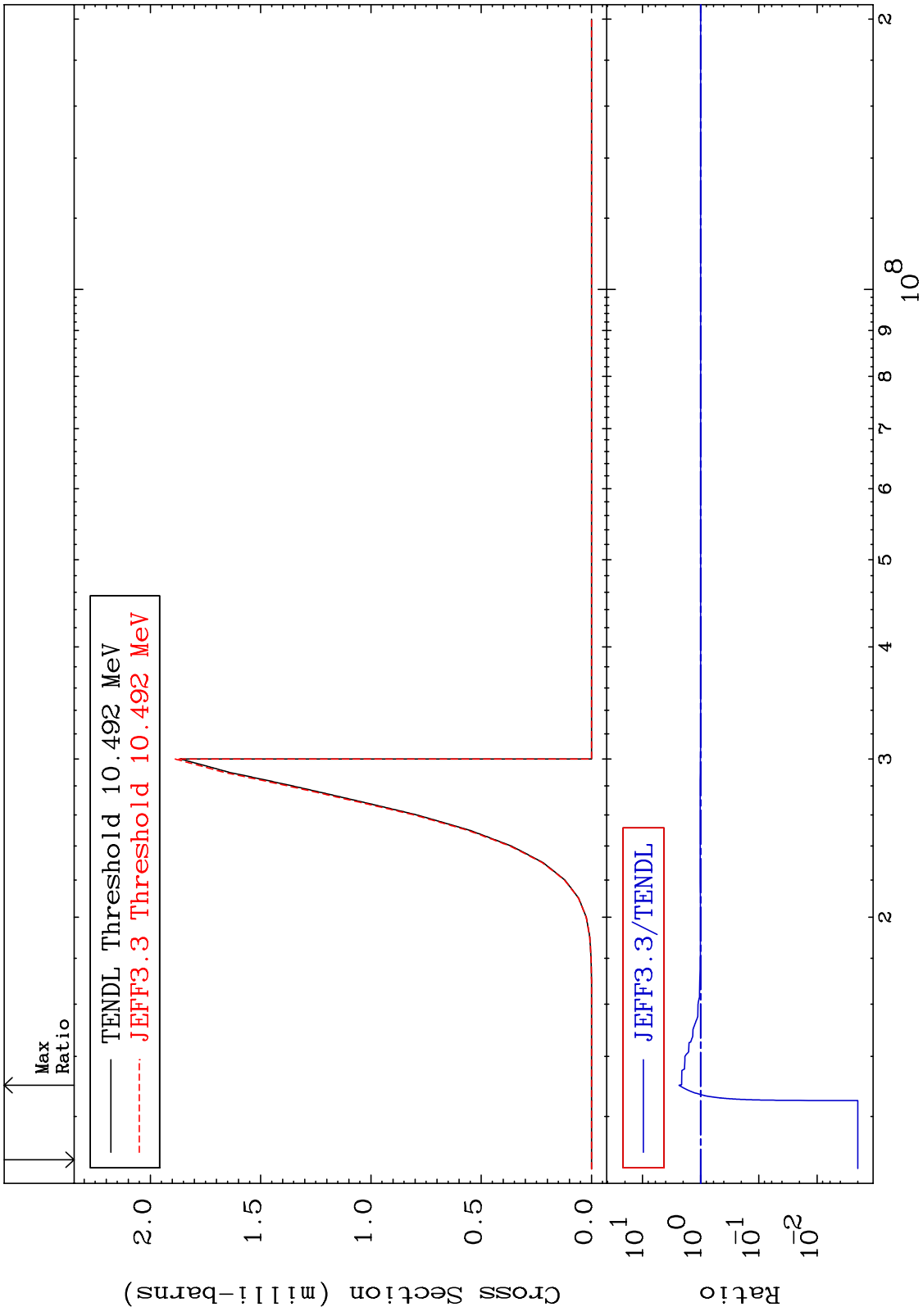


MAT 2034 (n,3α) Cross Section 20-Ca-43 To 938.9 %



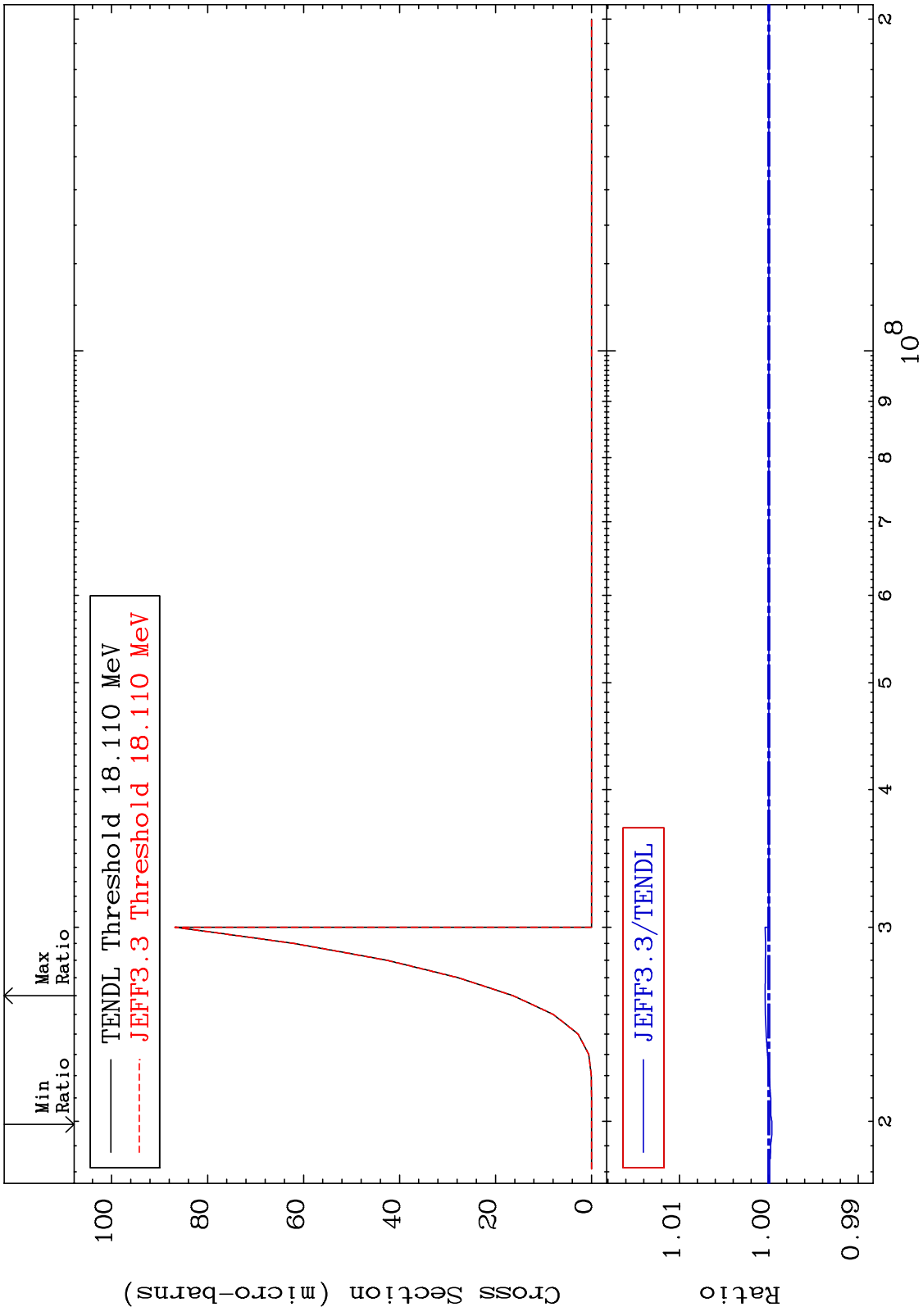


MAT 2034 (n,p) α 20-Ca-43
 Cross Section -99.80 To 135.3 %

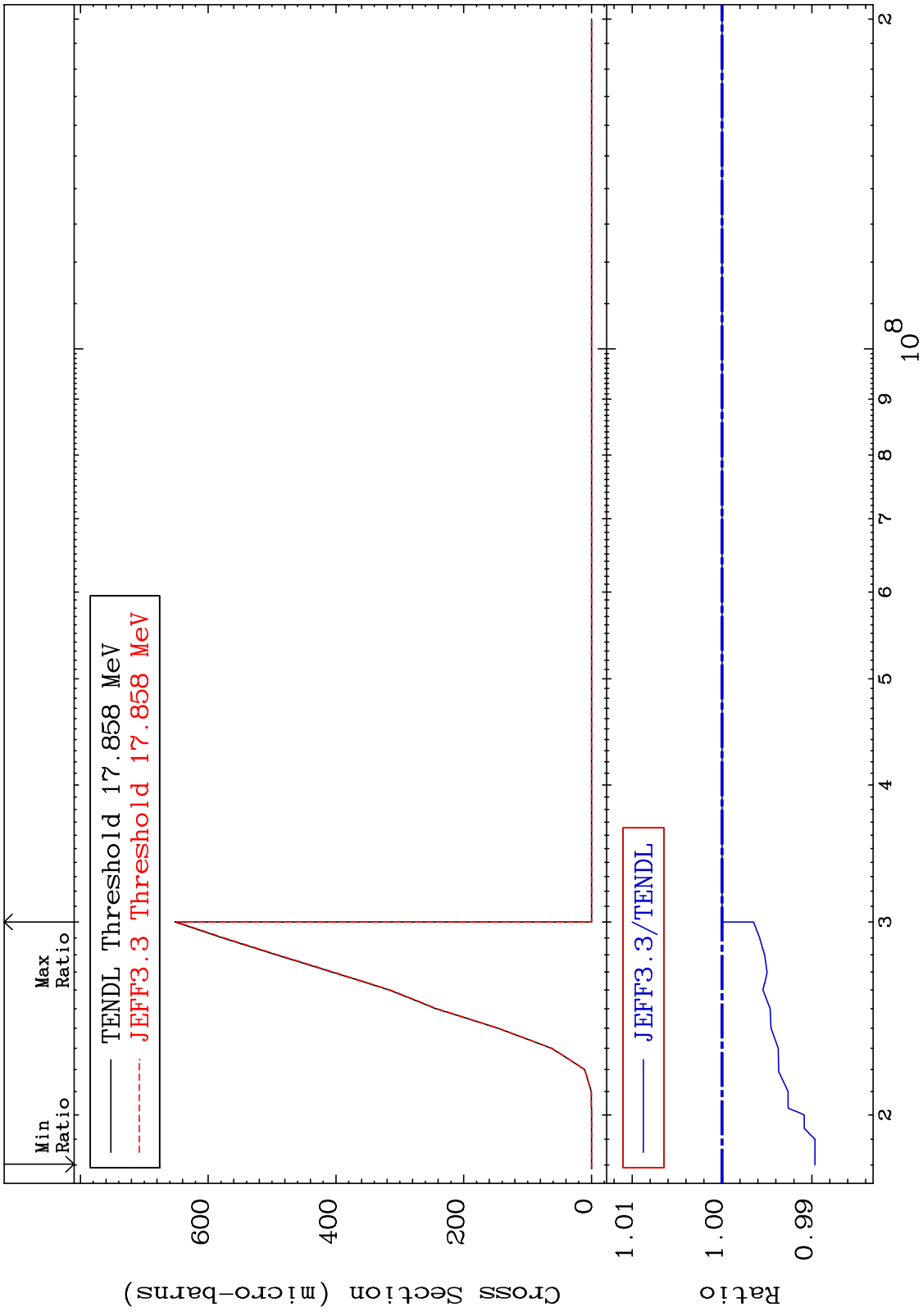


60 20-Ca-43

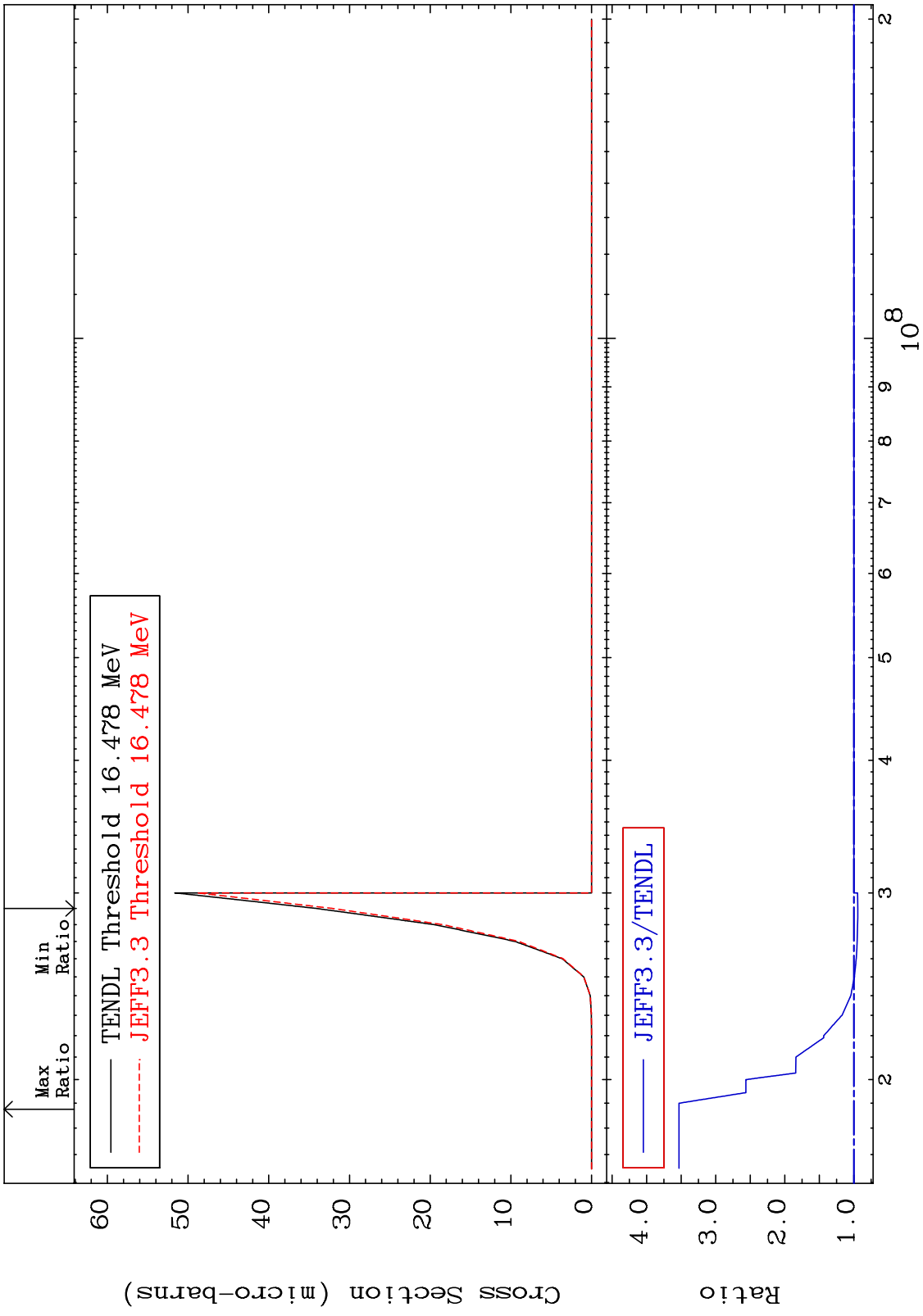
MAT 2034 (n,p) d 20-Ca-43
 Cross Section -0.033 To 0.043 %



MAT 2034 (n,p) t 20-Ca-43
 Cross Section -1.034 To 0.000 %



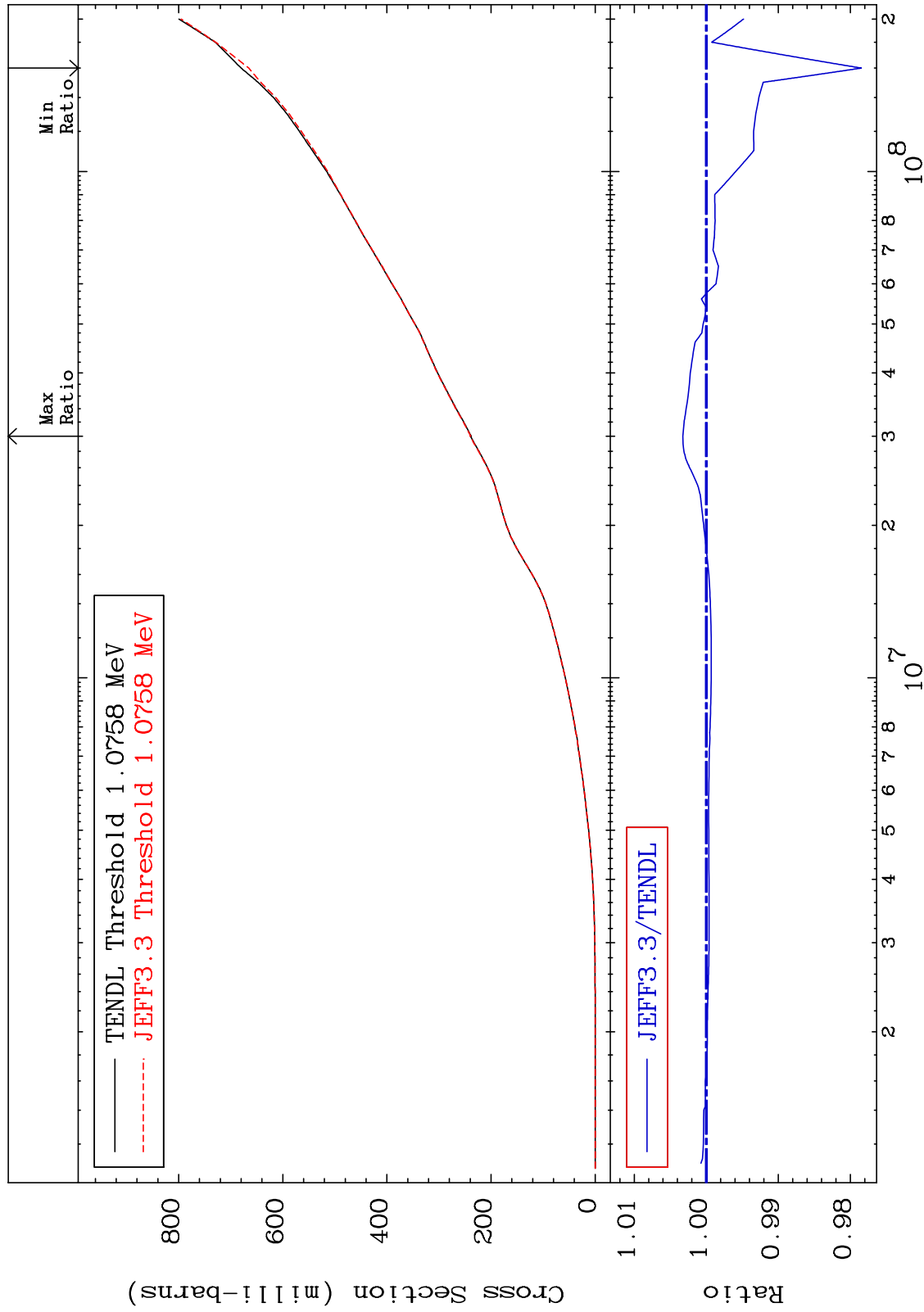
MAT 2034 (n,d) α 20-Ca-43
 Cross Section -5.833 To 253.0 %



MAT 2034

Hydrogen Production
Cross Section

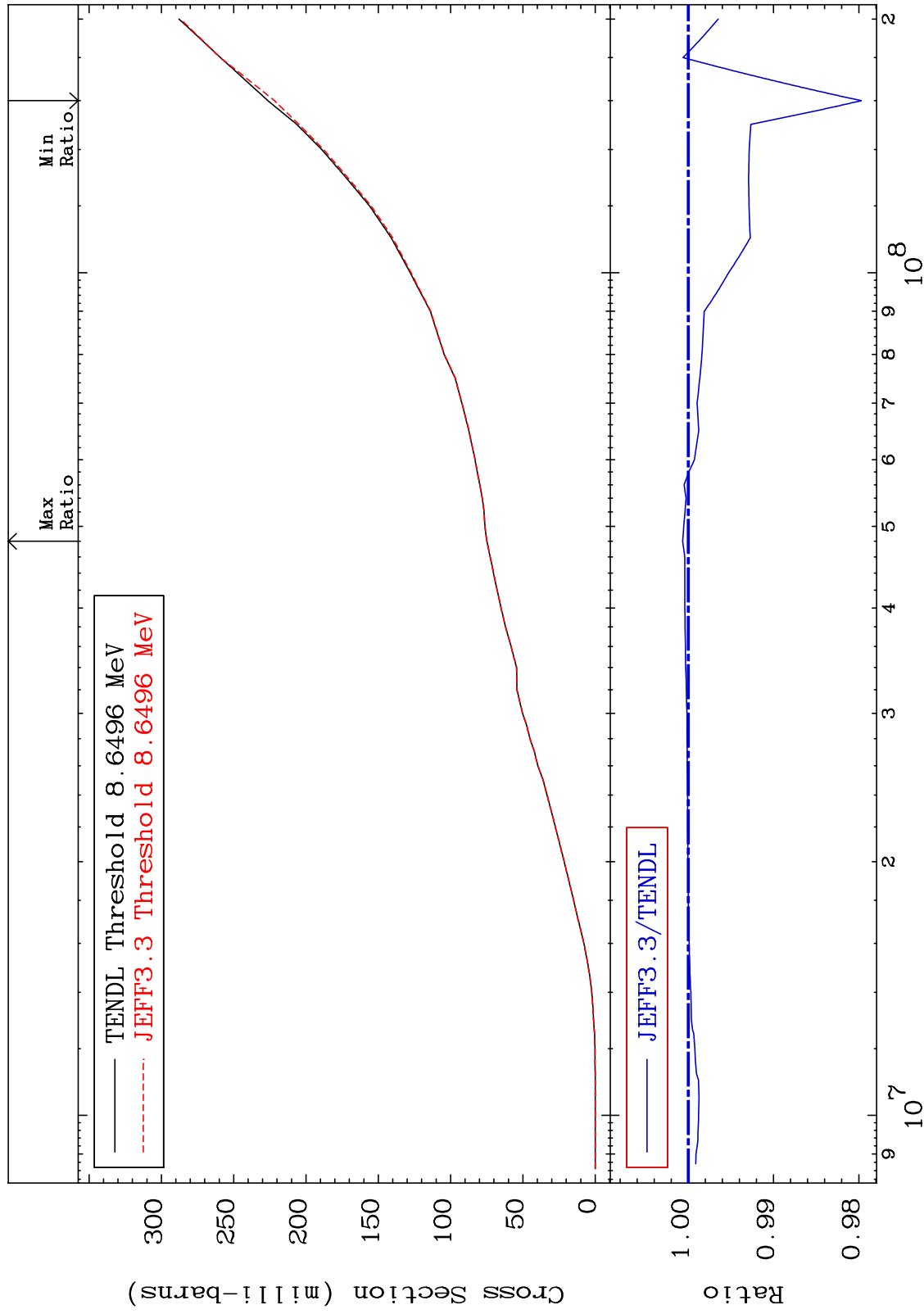
20-Ca-43
-2.152 To 0.328 %



MAT 2034

Deuterium Production
Cross Section

20-Ca-43
-2.030 To 0.066 %



65

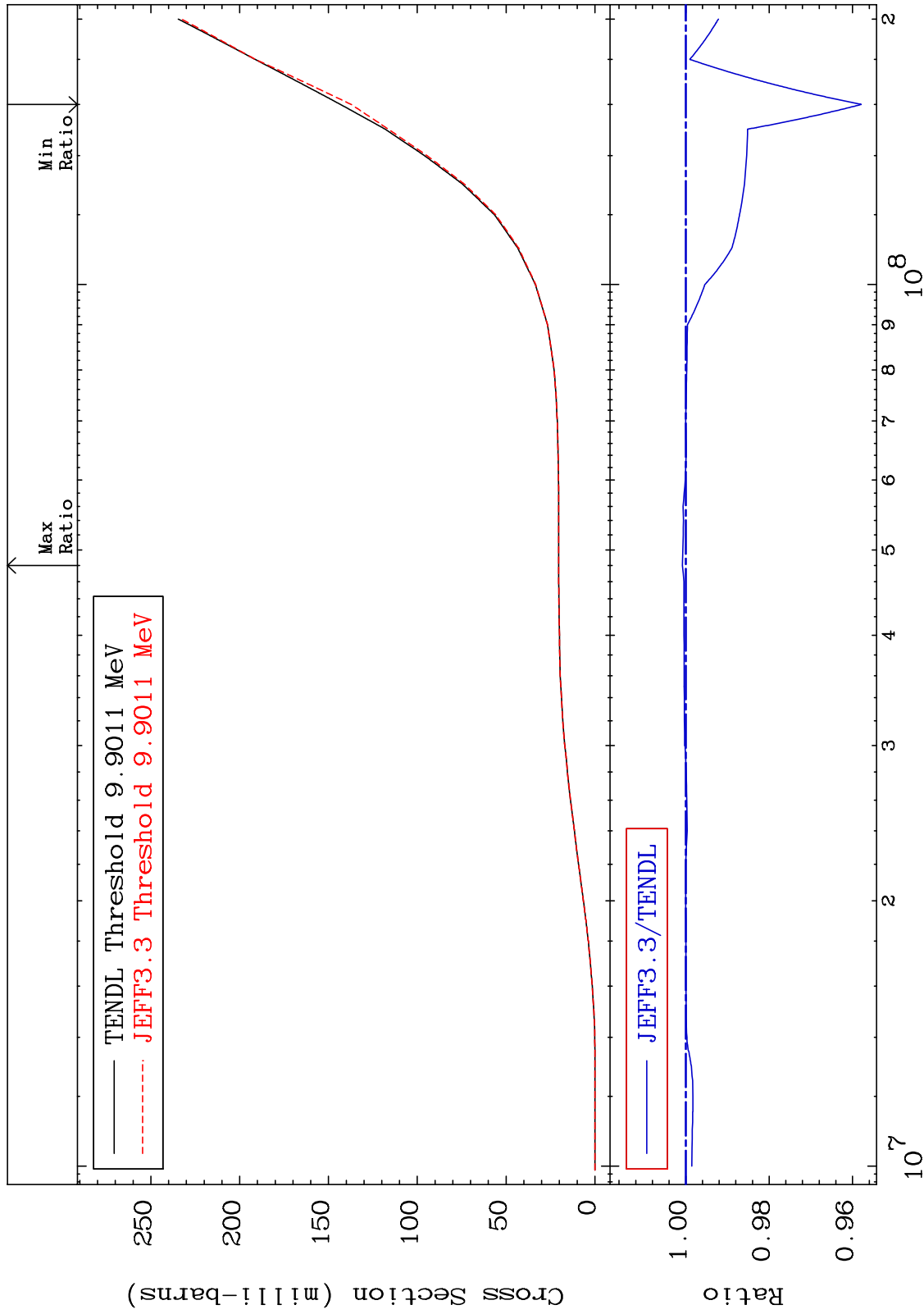
Incident Energy (eV)

20-Ca-43

MAT 2034

Tritium Production
Cross Section

20-Ca-43
-4.210 To 0.080 %



66

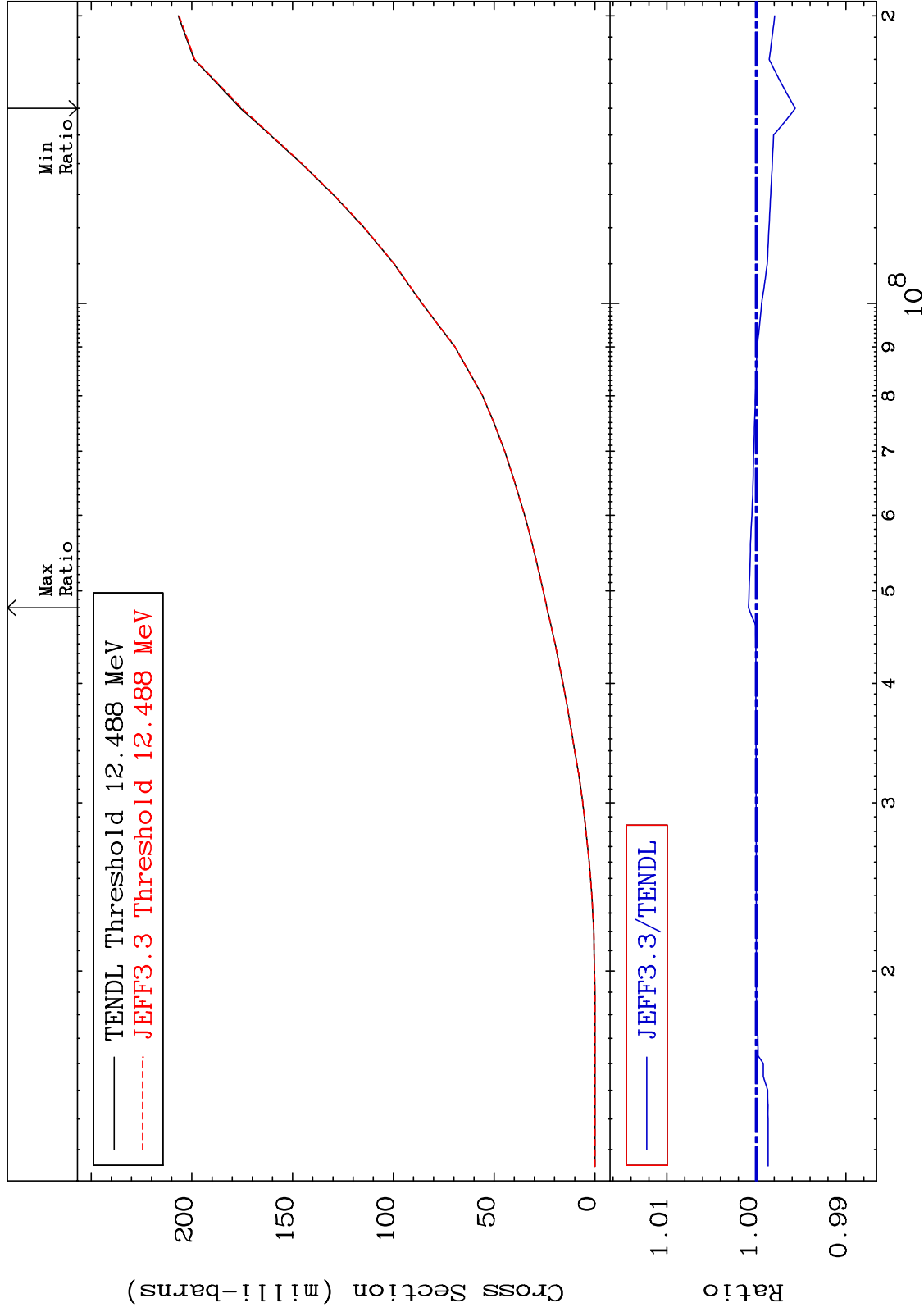
Incident Energy (eV)

20-Ca-43

MAT 2034

He-3 Production
Cross Section

20-Ca-43
-0.434 To 0.088 %



67

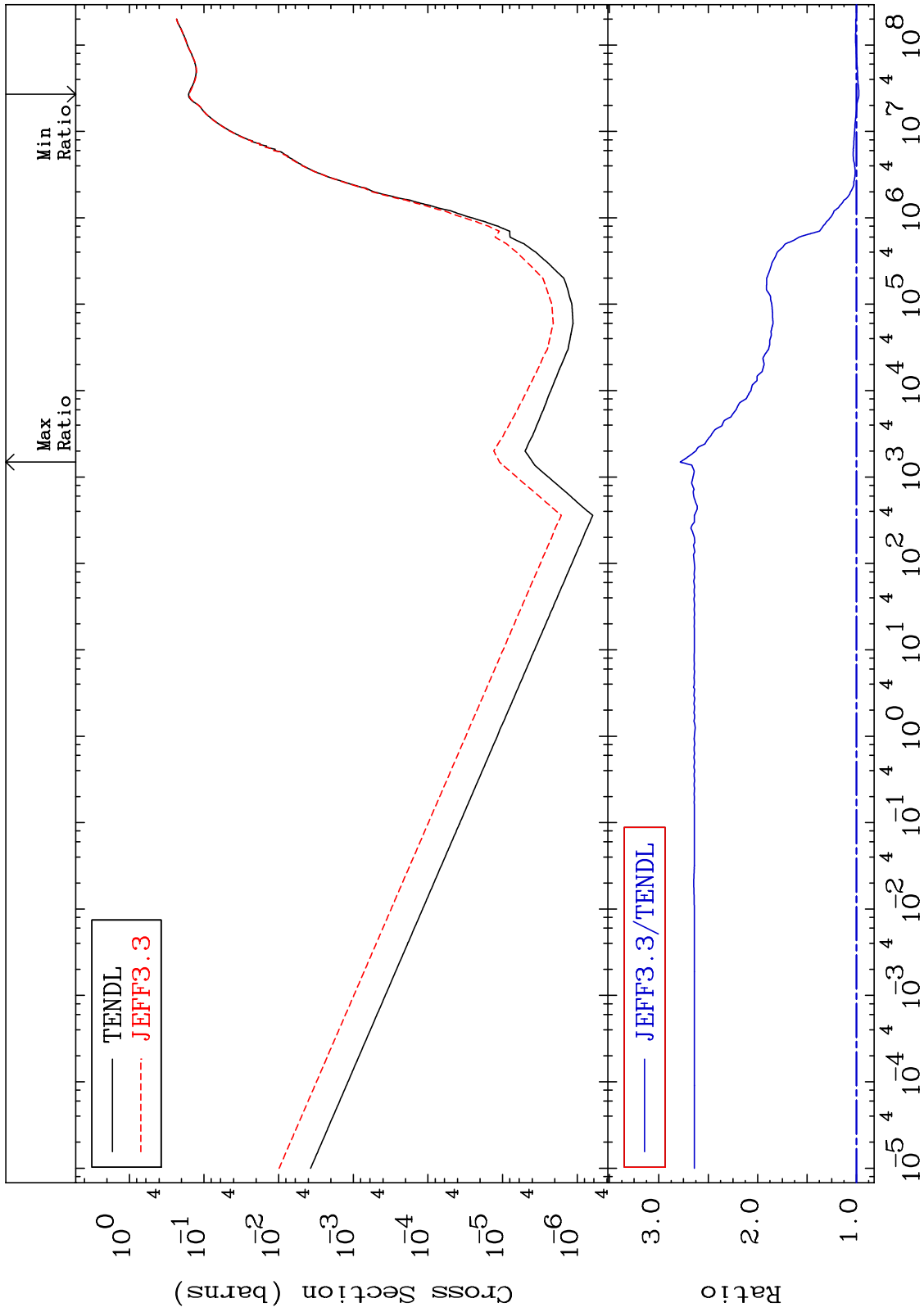
Incident Energy (eV)

20-Ca-43

MAT 2034

He-4 Production
Cross Section

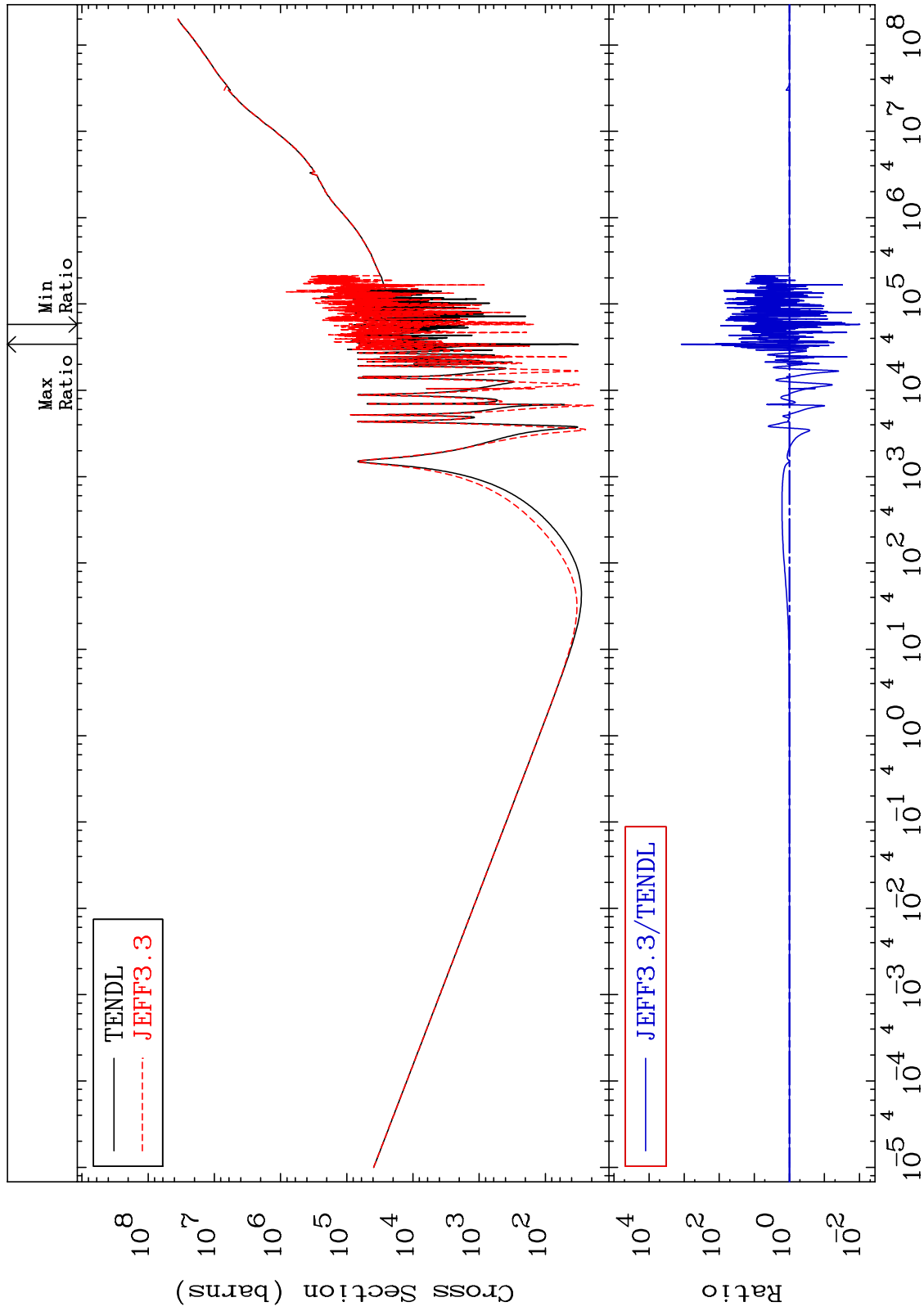
20-Ca-43
-2.522 To 178.4 %



MAT 2034

Kerma total (eV-barns)
Cross Section

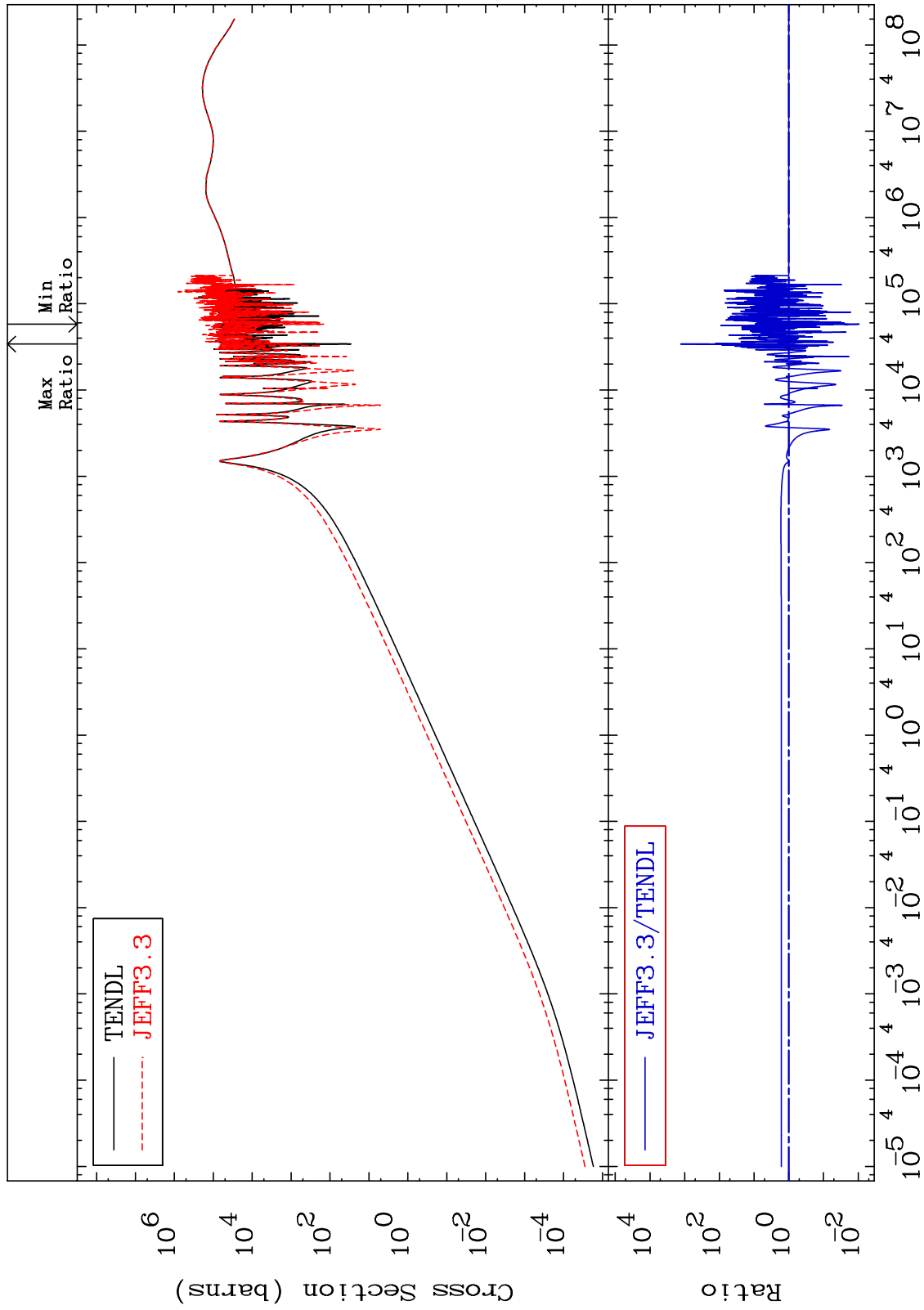
20-Ca-43
-99.01 To 9999. %



MAT 2034

Kerma elastic
Cross Section

20-Ca-43
-99.05 To 9999. %

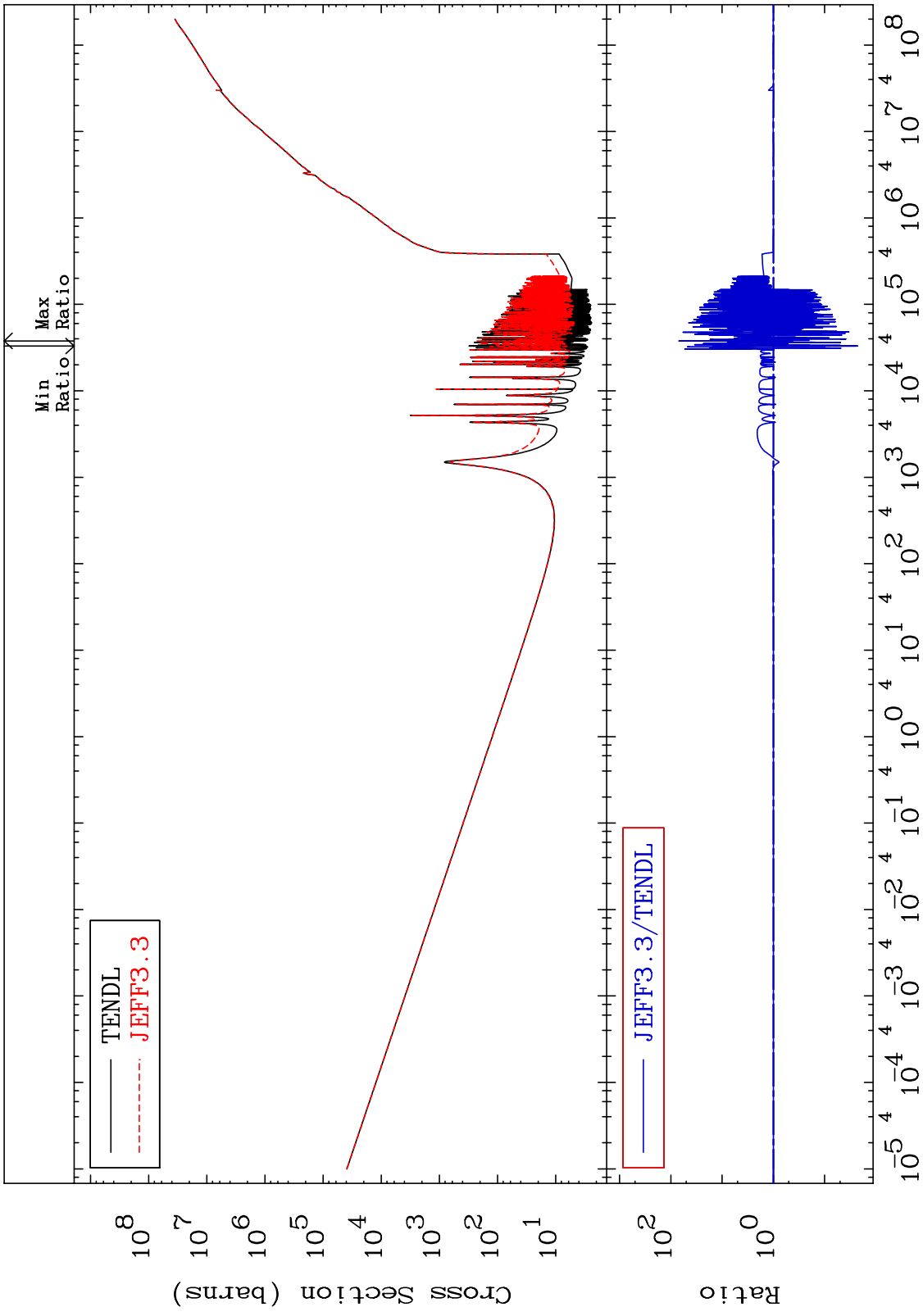


70

Incident Energy (eV)

20-Ca-43

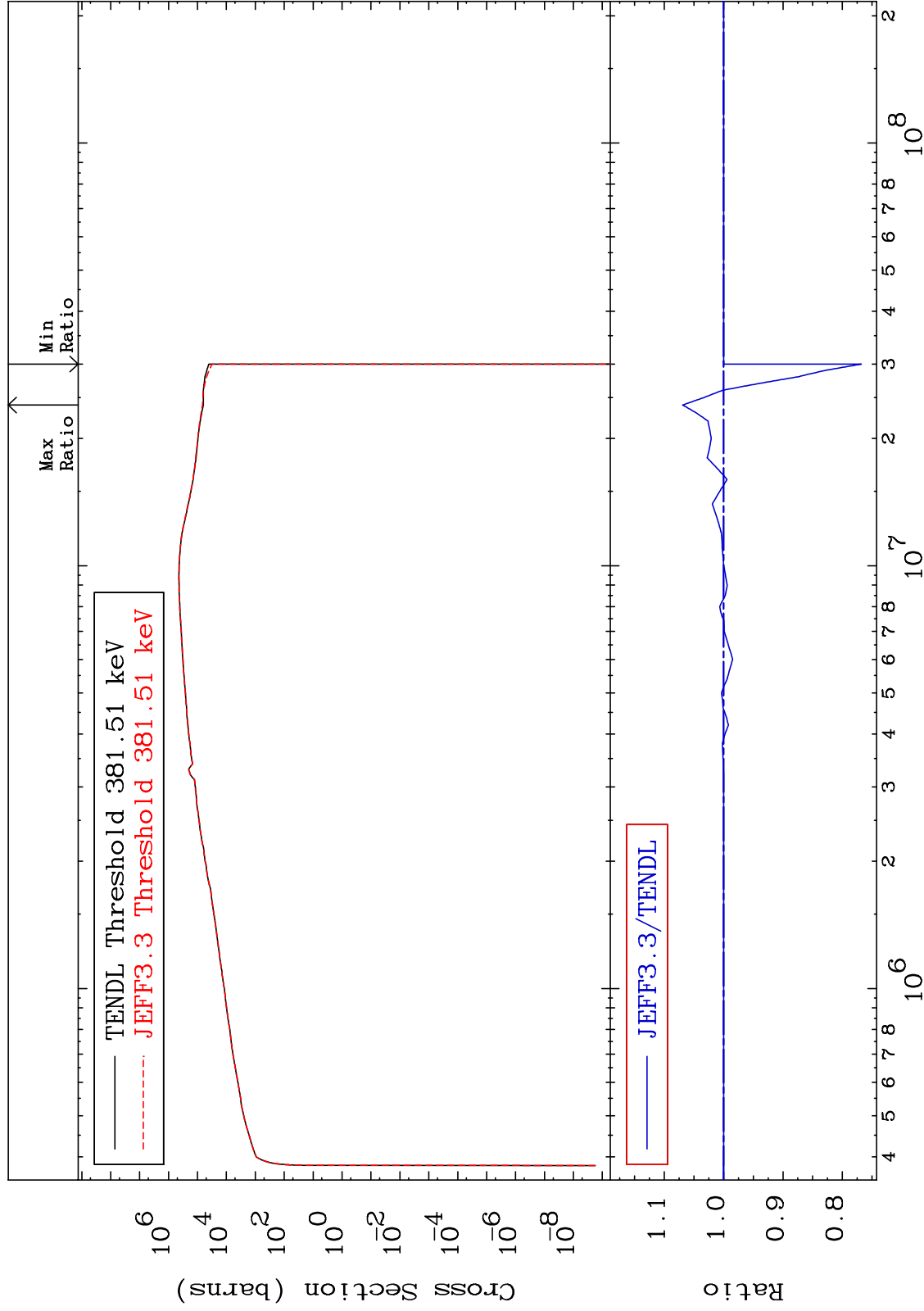
MAT 2034 Kerma non-elastic (all but mt2) 20-Ca-43
 Cross Section -97.76 To 6821. %



MAT 2034

Kerma inelastic (mt51-91)
Cross Section

20-Ca-43
-23.20 To 6.893 %



72

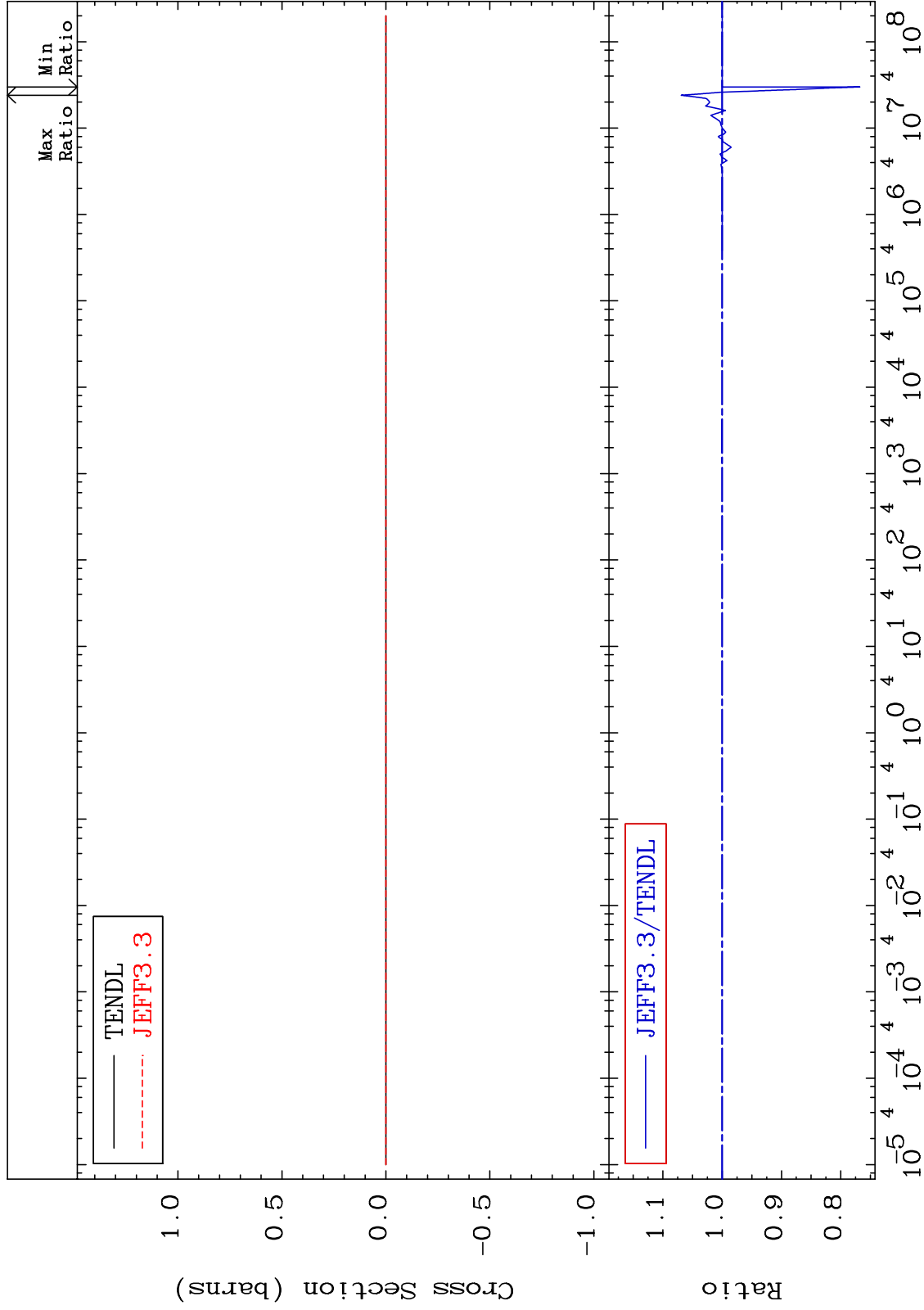
Incident Energy (eV)

20-Ca-43

MAT 2034

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

20-Ca-43
-23.20 To 6.893 %



73

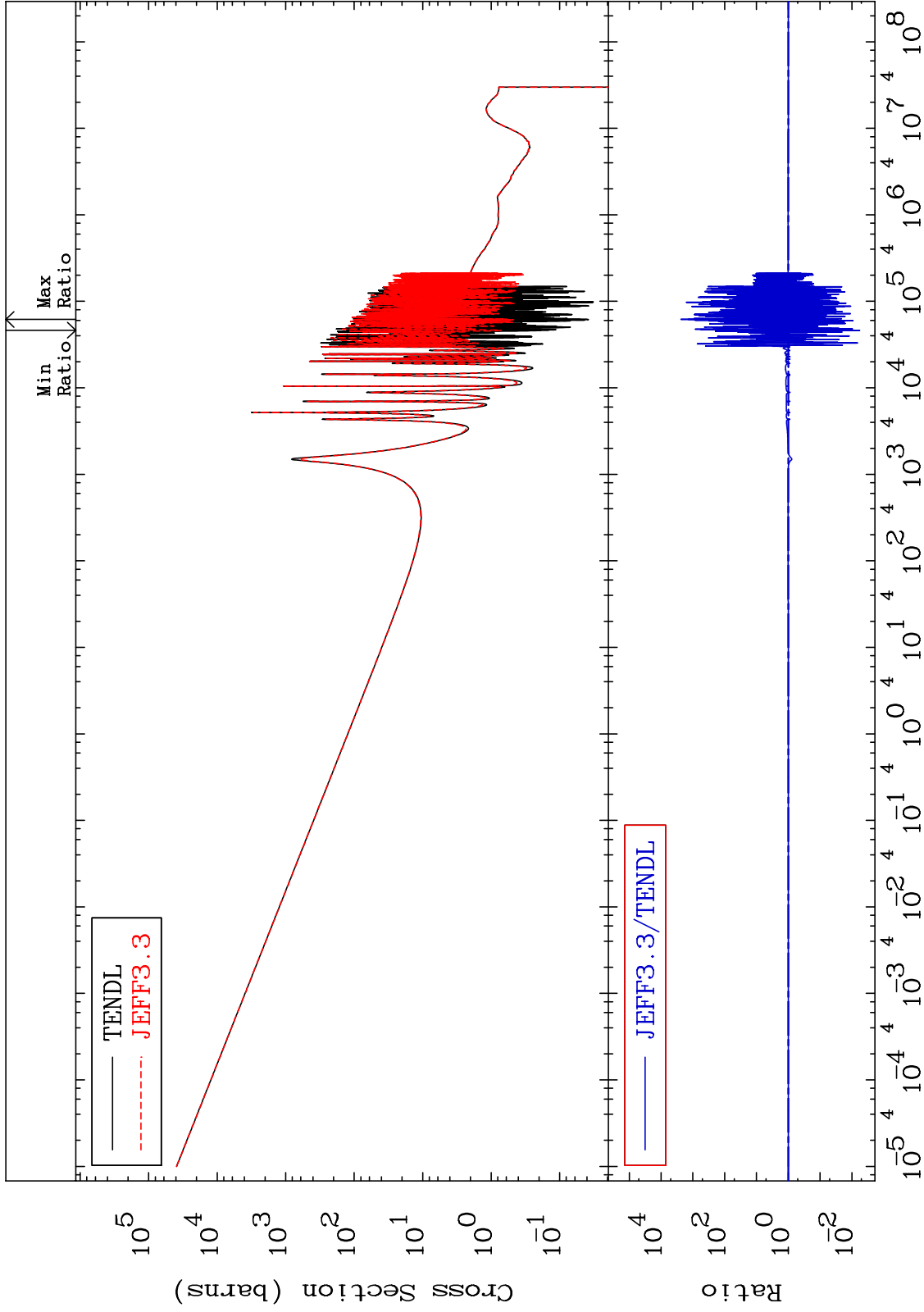
Incident Energy (eV)

20-Ca-43

MAT 2034

Kerma capture (mt102)
Cross Section

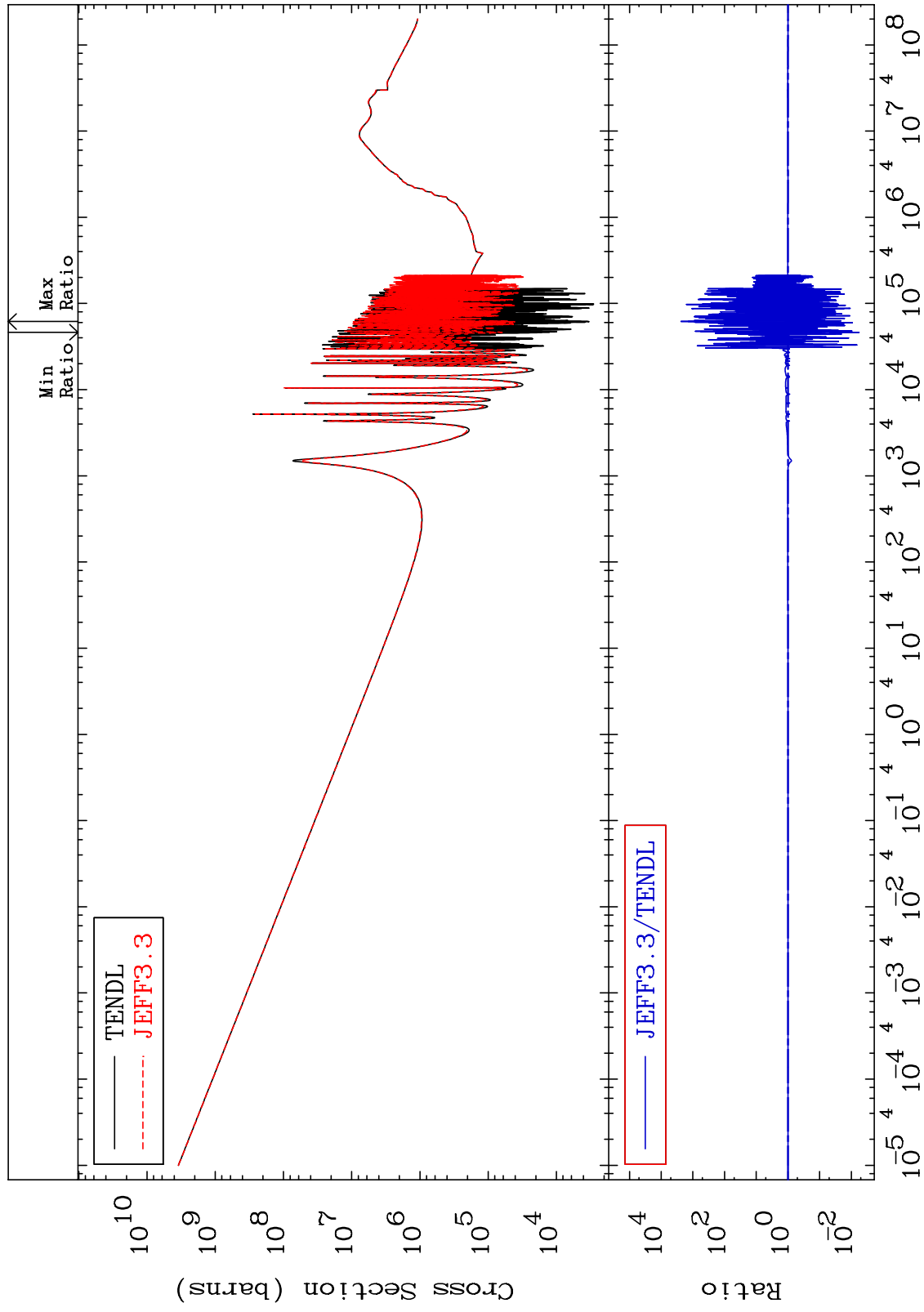
20-Ca-43
-99.43 To 9999. %



MAT 2034

Total photon (eV-barns)
Cross Section

20-Ca-43
-99.43 To 9999. %



75

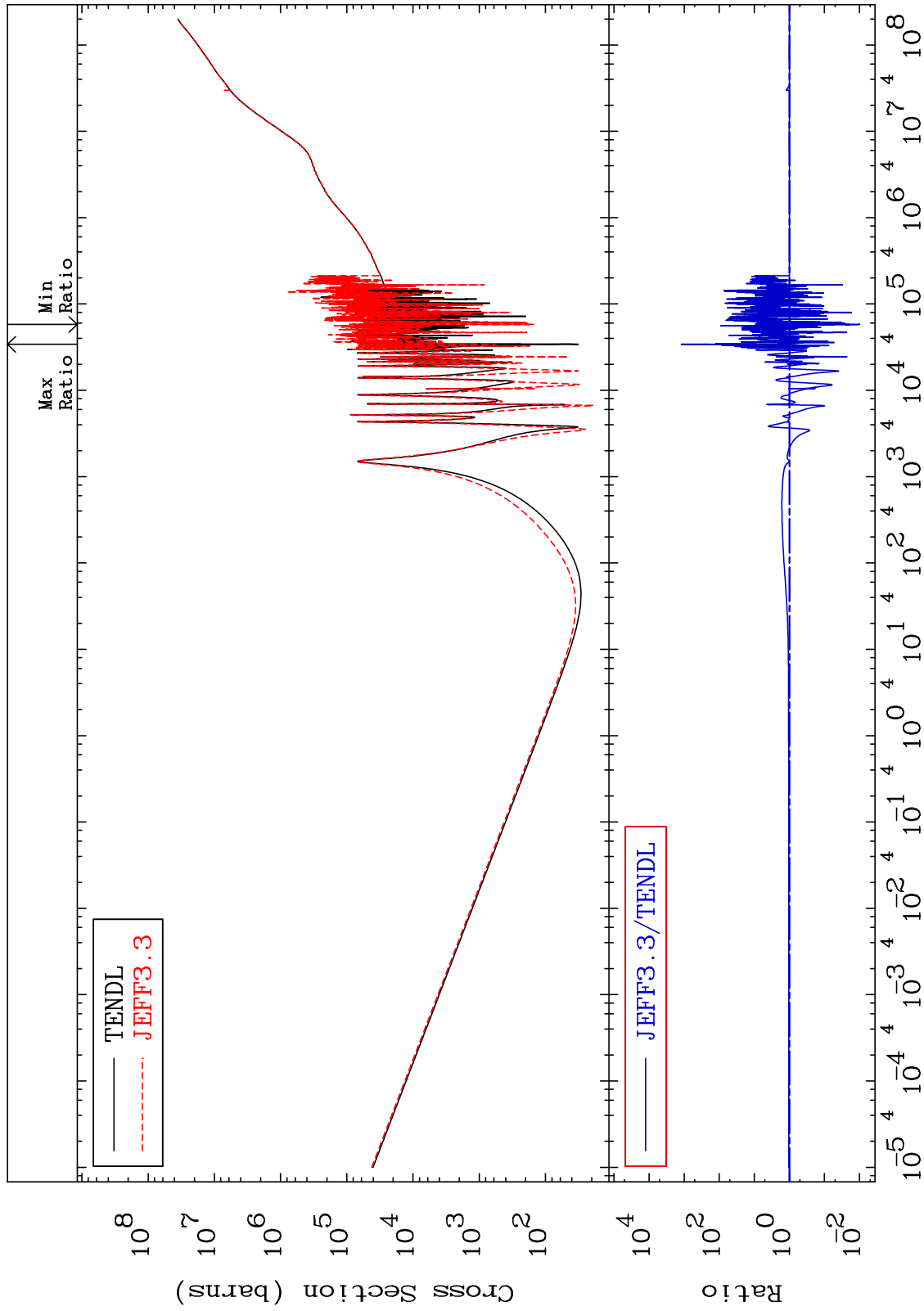
Incident Energy (eV)

20-Ca-43

MAT 2034

Total kinematic kerma (high limit)
Cross Section

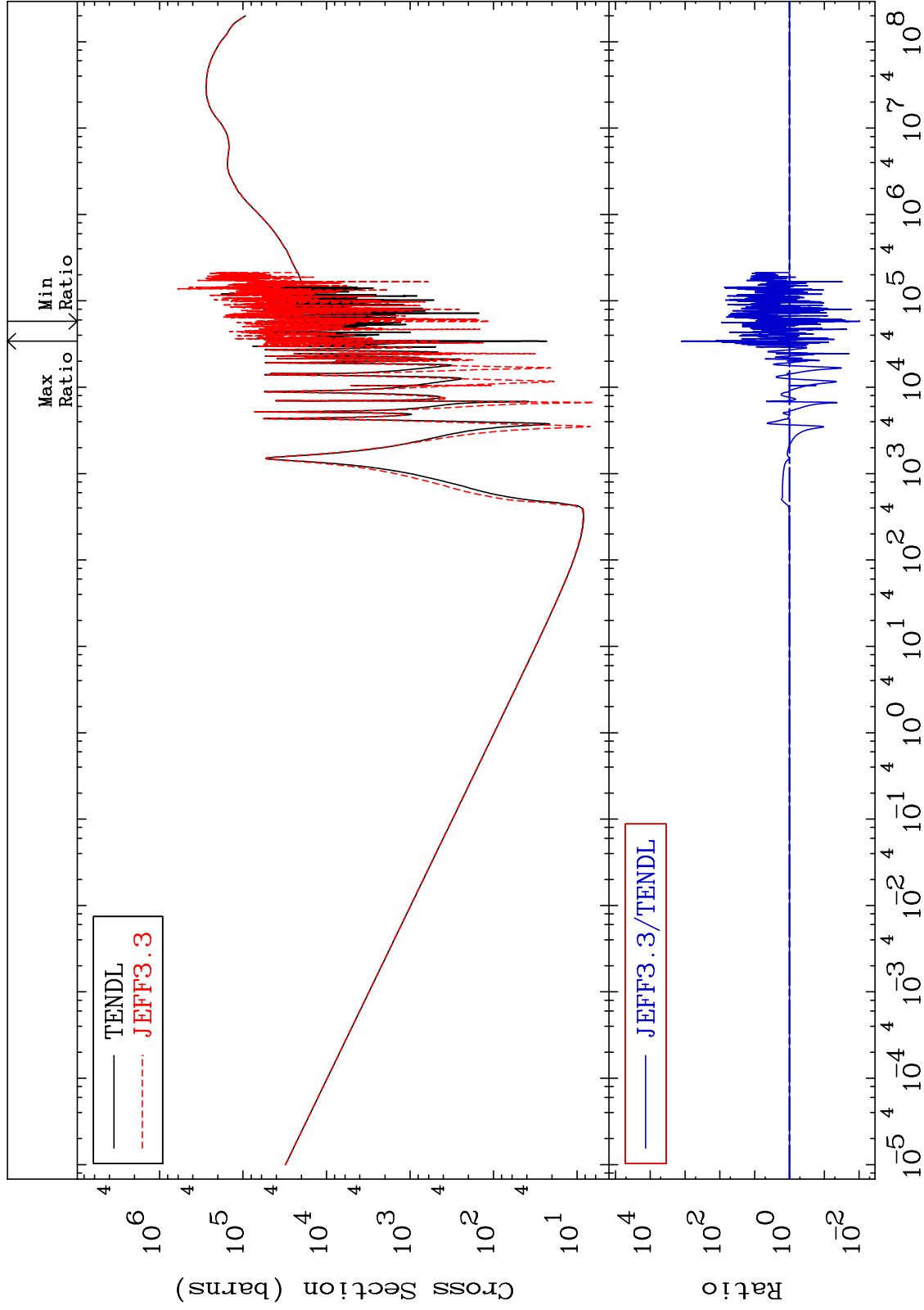
20-Ca-43
-99.01 To 9999. %



MAT 2034

Dpa total (eV-barns)
Cross Section

20-Ca-43
-99.04 To 9999. %



77

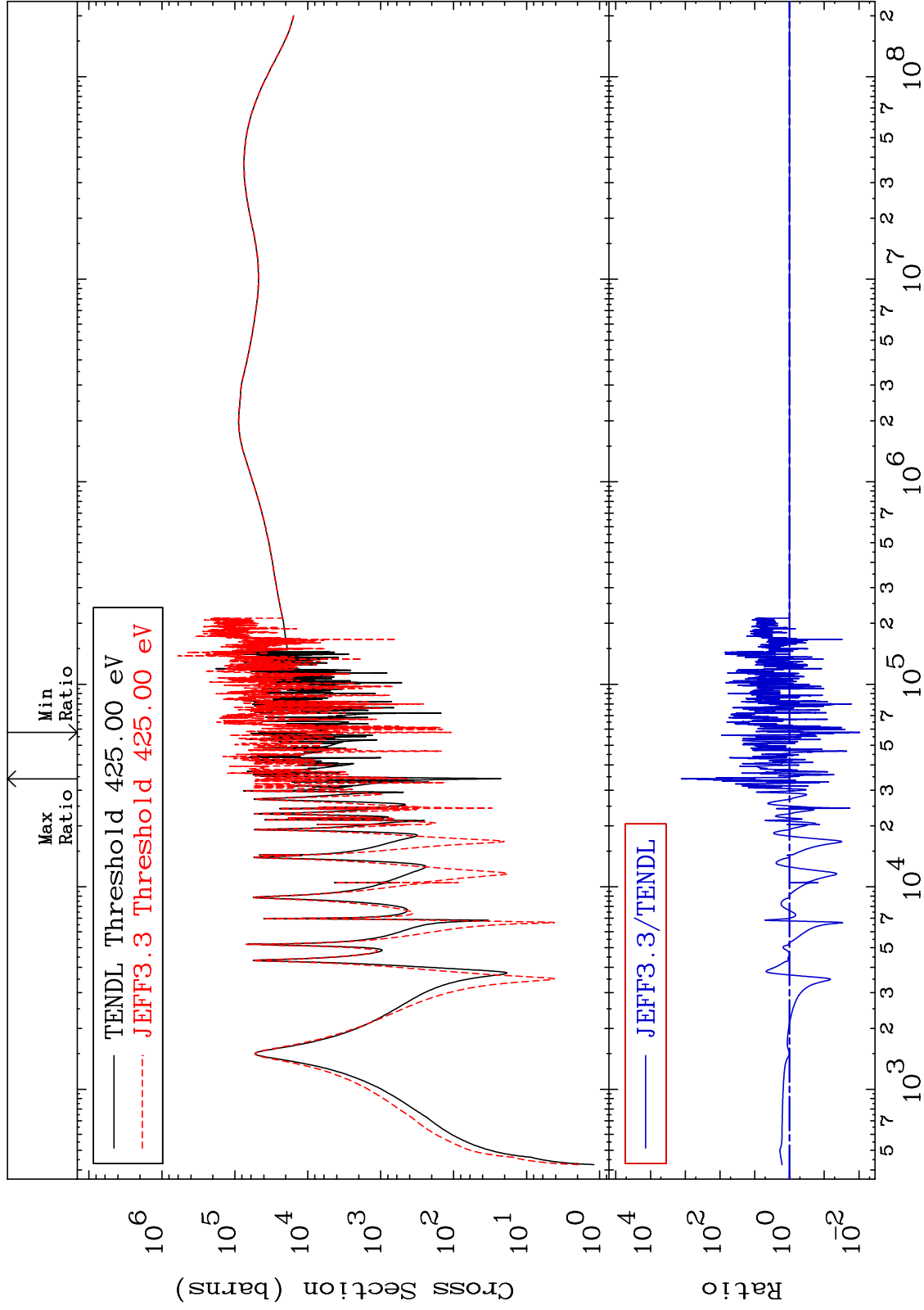
Incident Energy (eV)

20-Ca-43

MAT 2034

Dpa elastic (mt2)
Cross Section

20-Ca-43
-99.05 To 9999. %

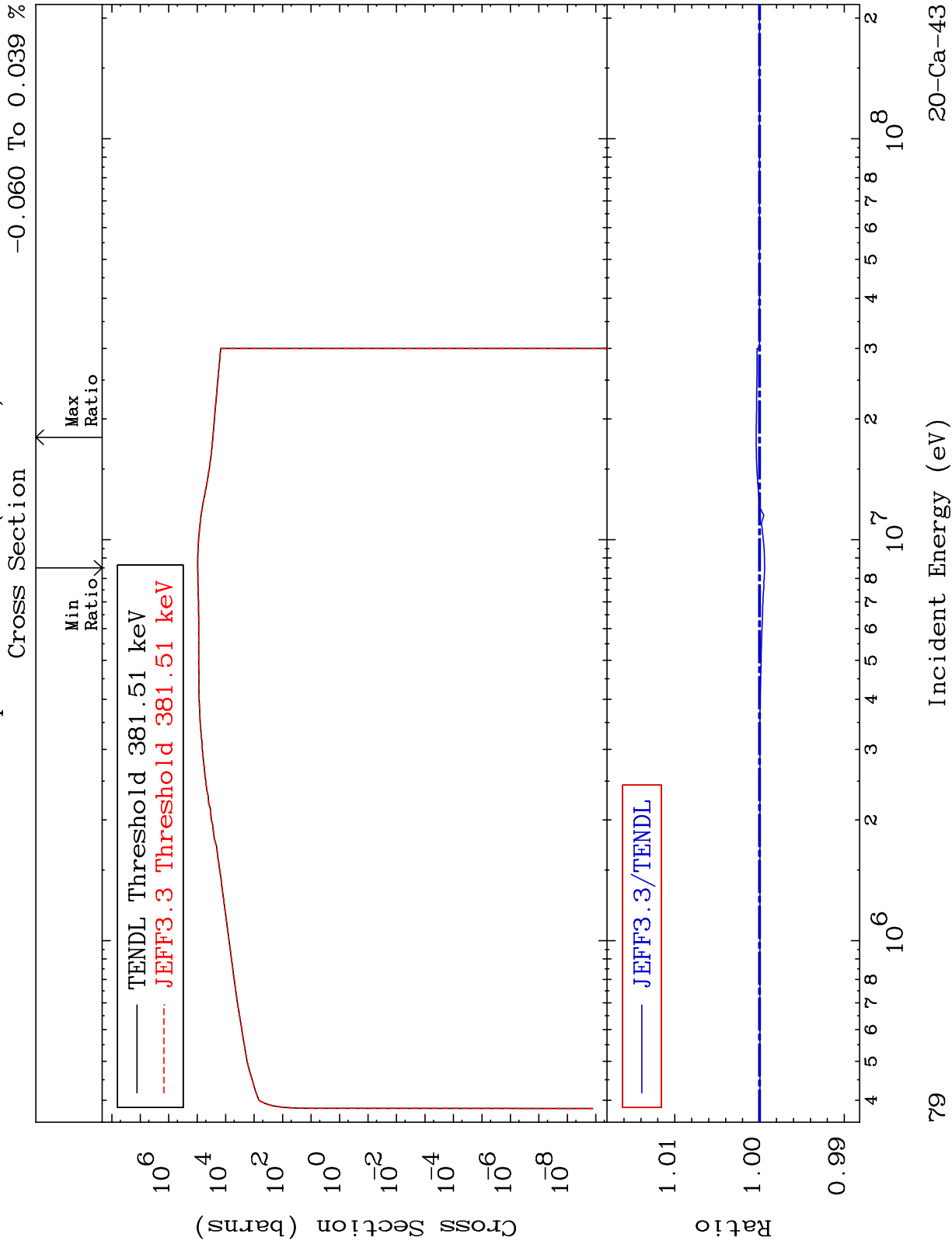


MAT 2034

Dpa inelastic (mt51-91)

20-Ca-43

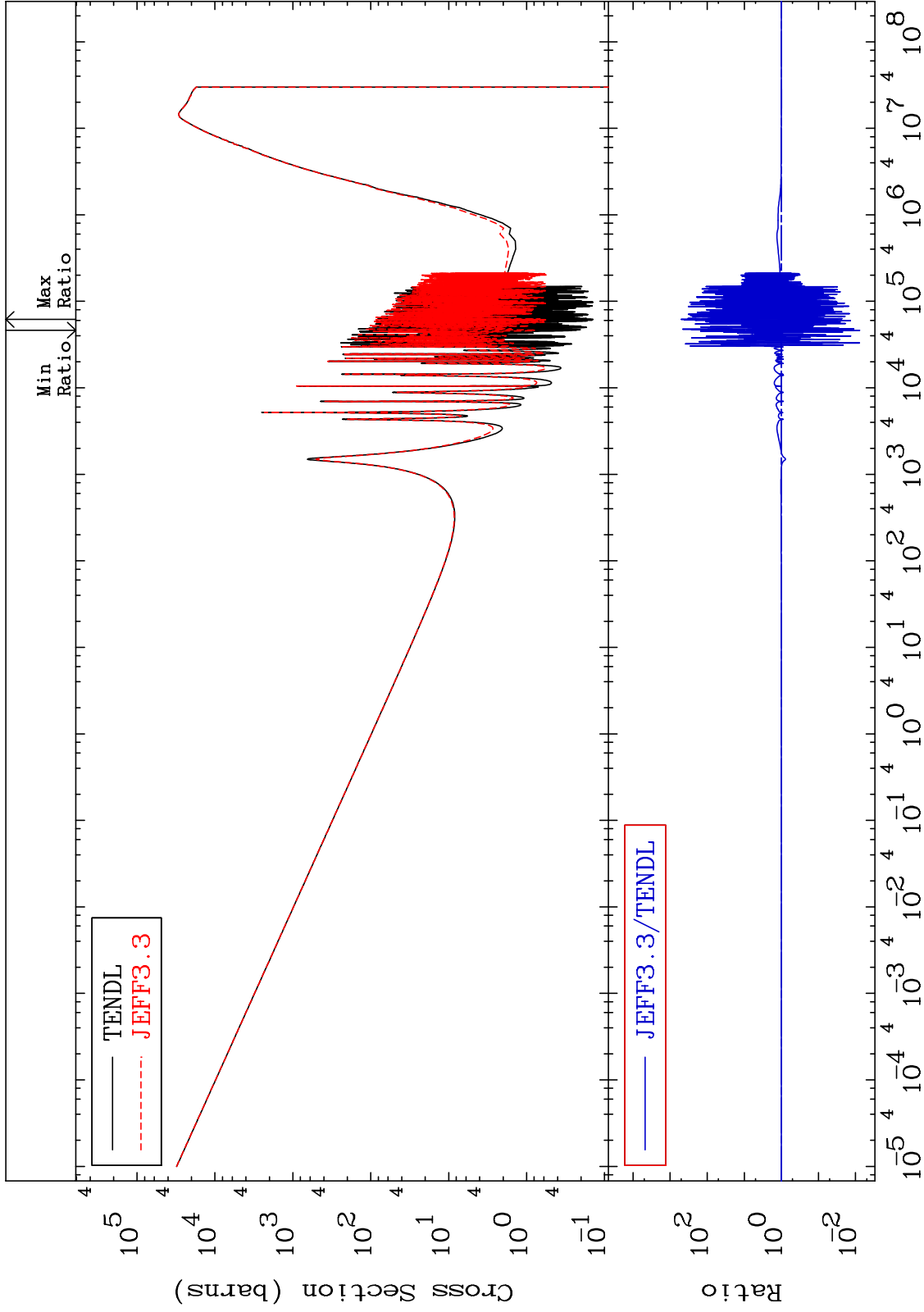
-0.060 To 0.039 %



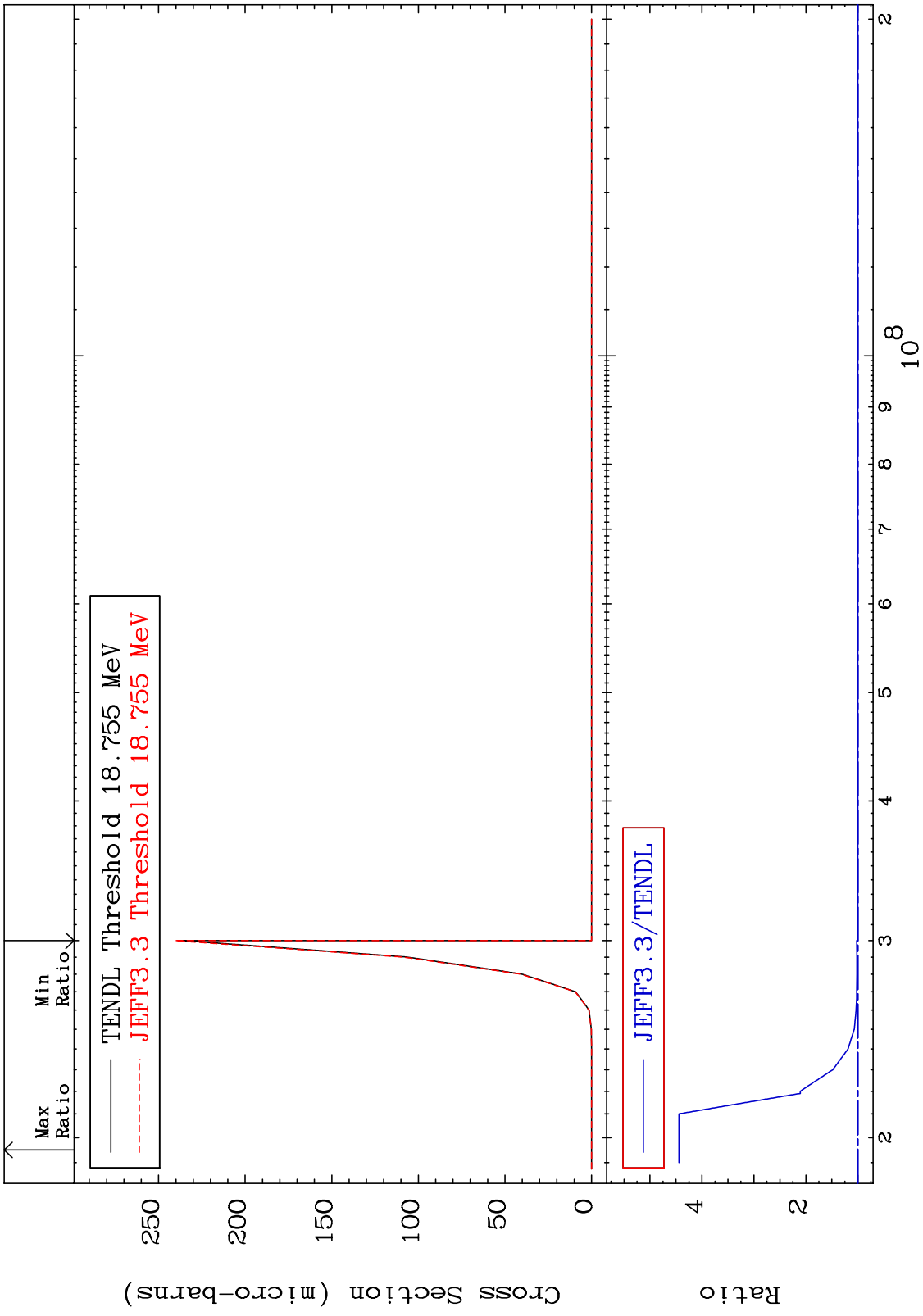
MAT 2034

Dpa disappearance (mt102 -120)
Cross Section

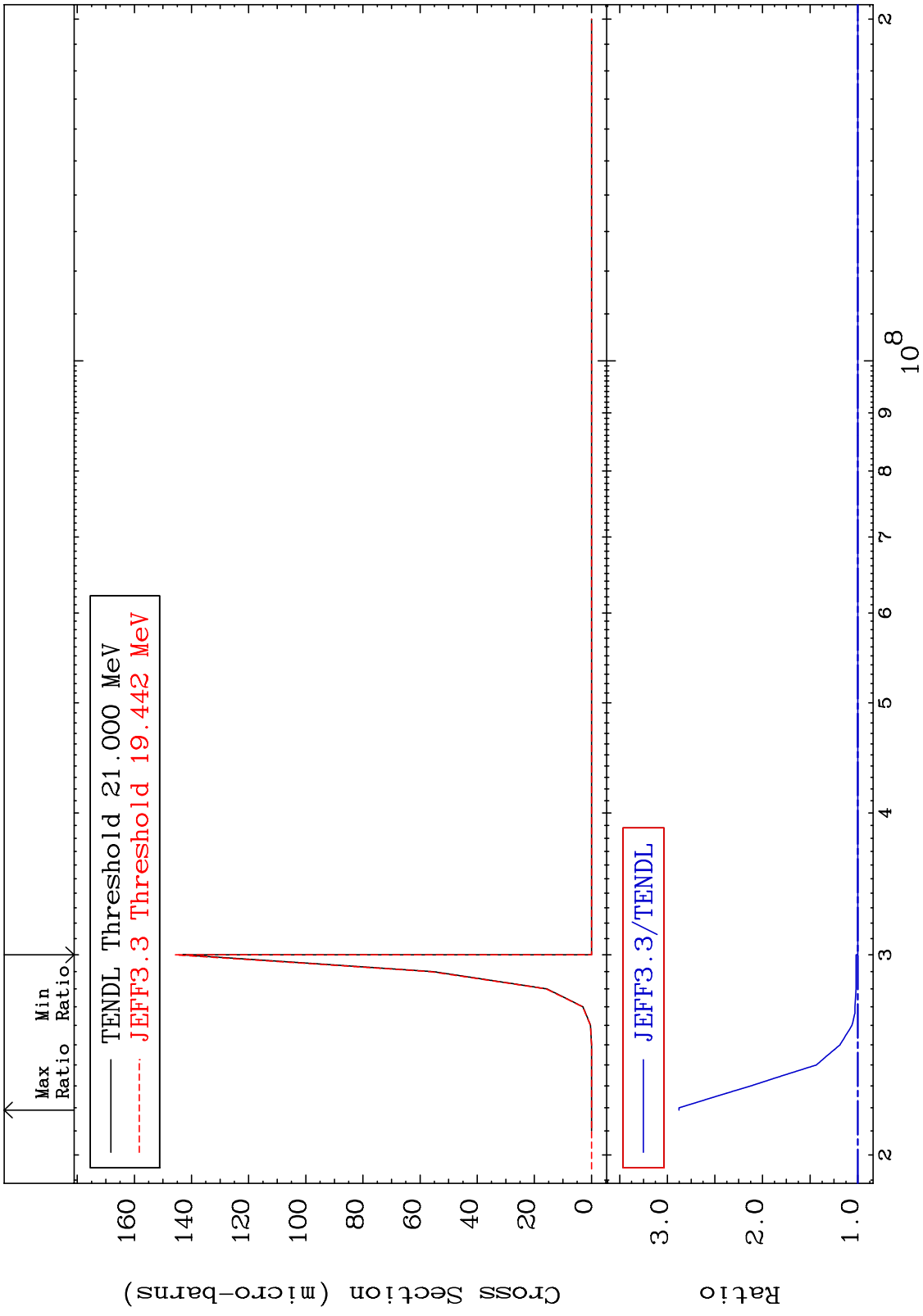
20-Ca-43
-99.22 To 9999. %



MAT 2034 (n,n') p α:17-Cl-38g 20-Ca-43
 Radionuclide Production Cross Section 0.000 To 344.1 %



MAT 2034 (n,n') p α:17-Cl-38m1 20-Ca-43
 Radionuclide Production Cross Section 0.000 To 187.7 %

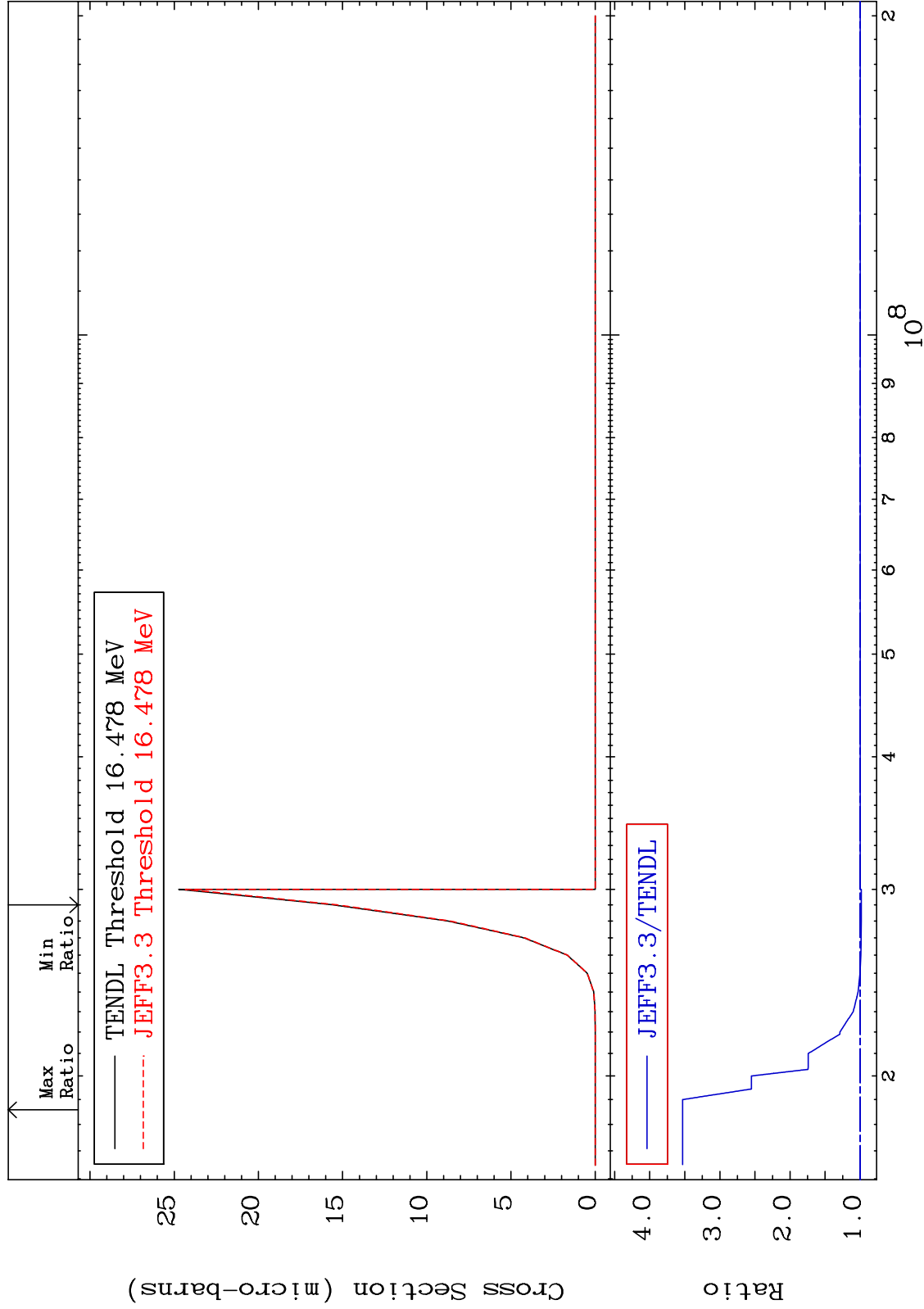


MAT 2034

(n,d) α : 17-Cl-38g

20-Ca-43

Radionuclide Production Cross Section -1.607 To 253.0 %



MAT 2034 (n,d) α : 17-Cl-38m1 20-Ca-43
 Radionuclide Production Cross Section -9.388 To 207.2 %

