

Program Complot
(Version 2018-1)

by

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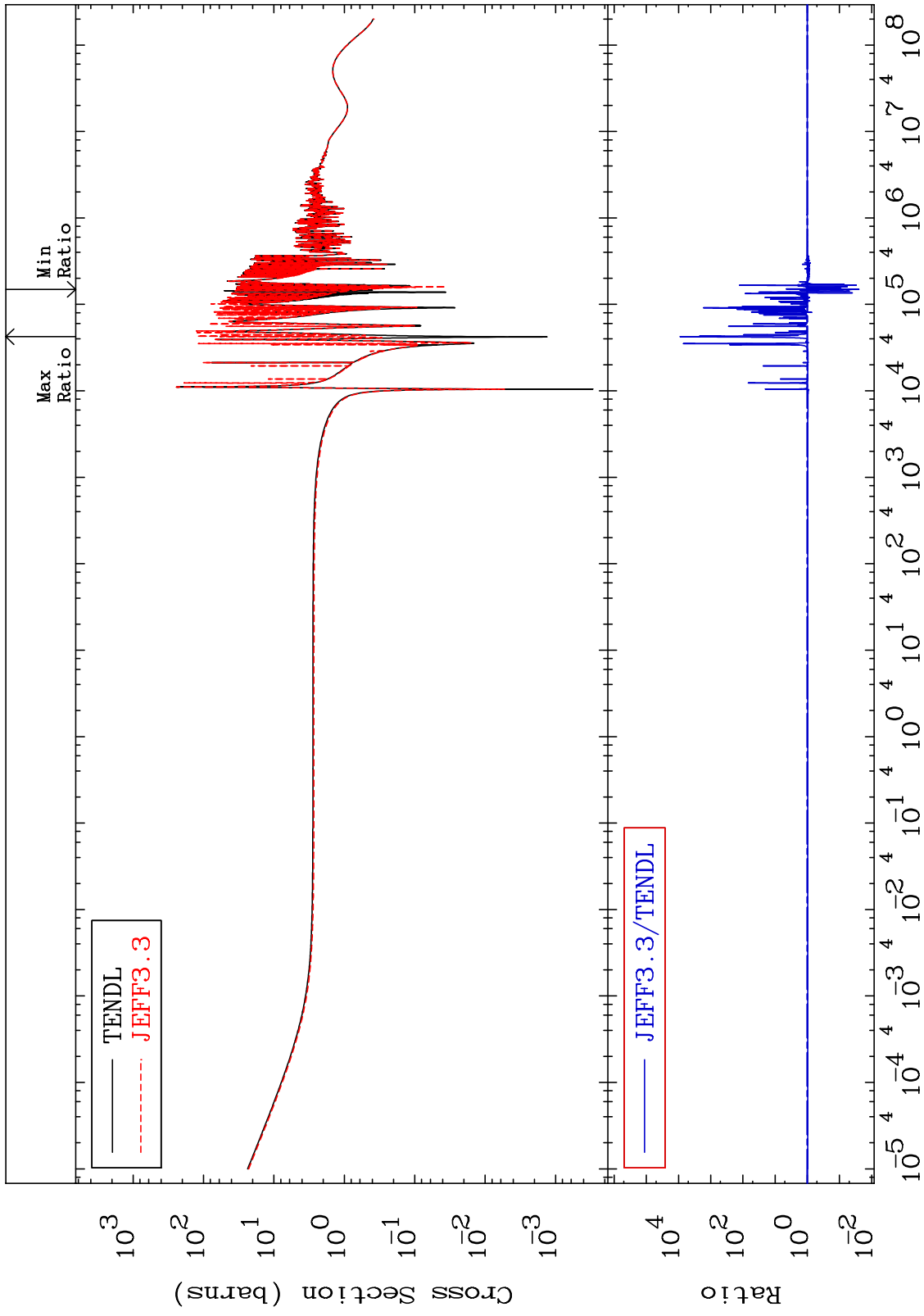
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2225

Elastic
Cross Section

22-Ti-46
-97.50 To 9999. %

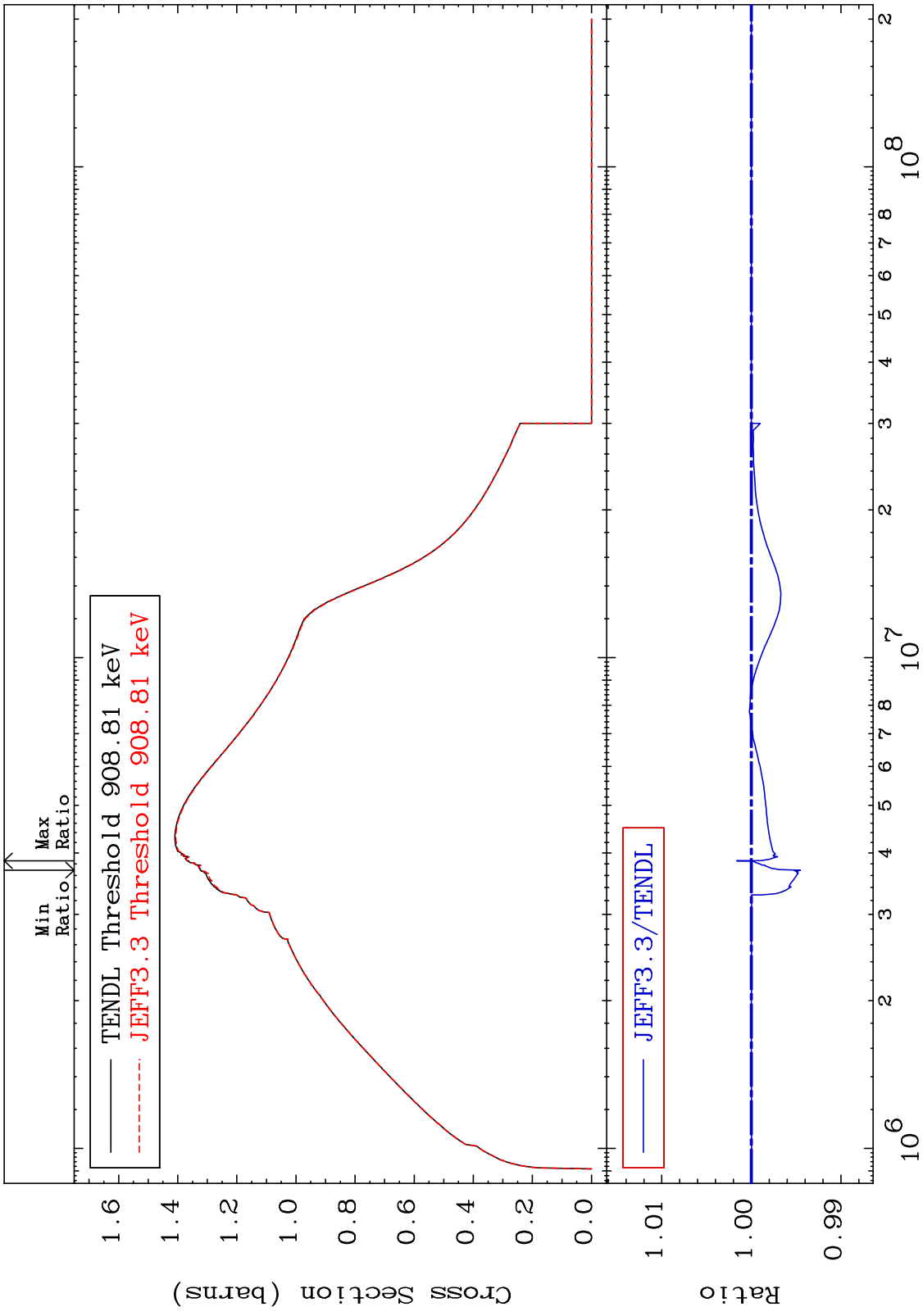


2

Incident Energy (eV)

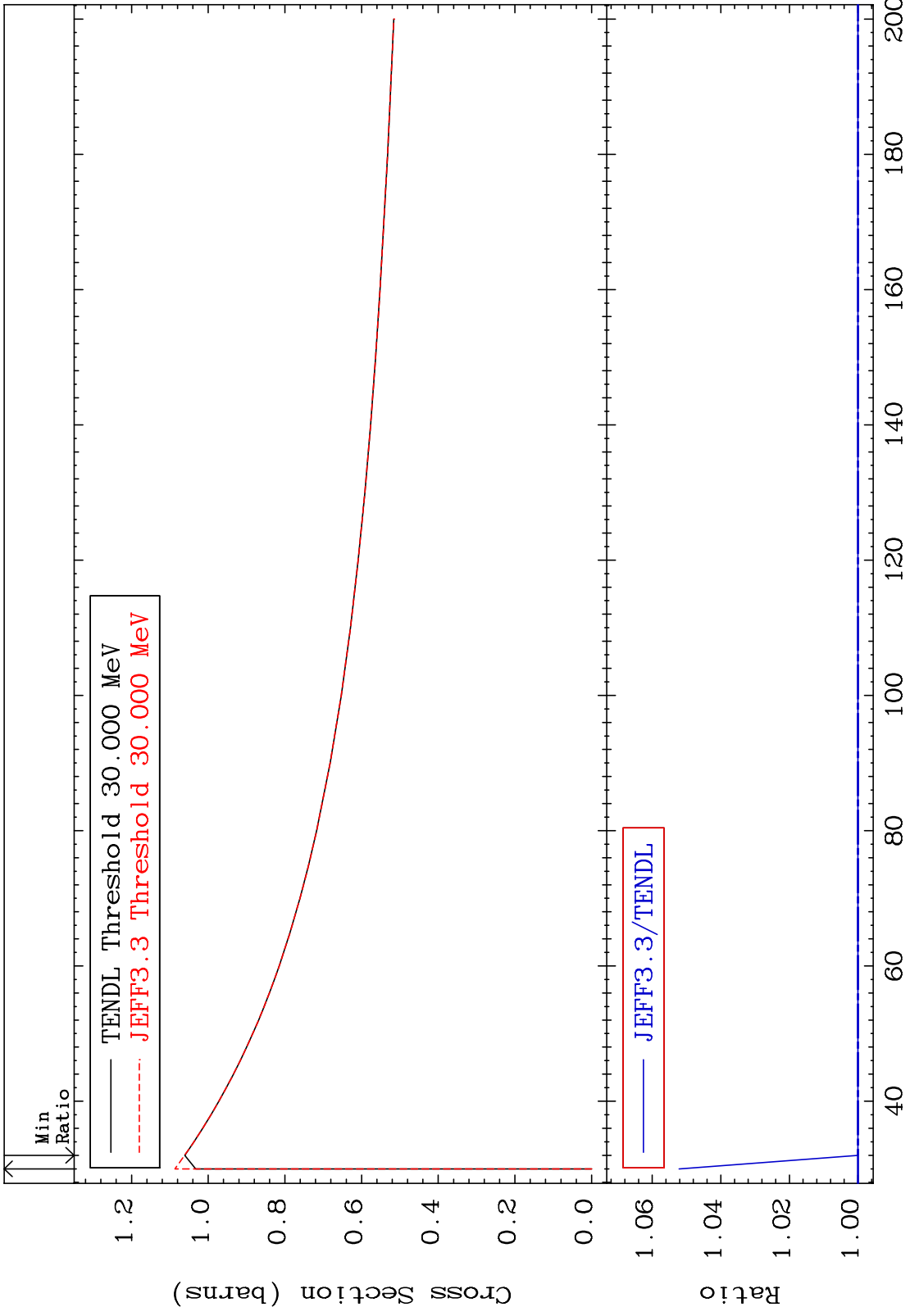
22-Ti-46

MAT 2225 Inelastic Cross Section 22-Ti-46 -0.546 To 0.165 %

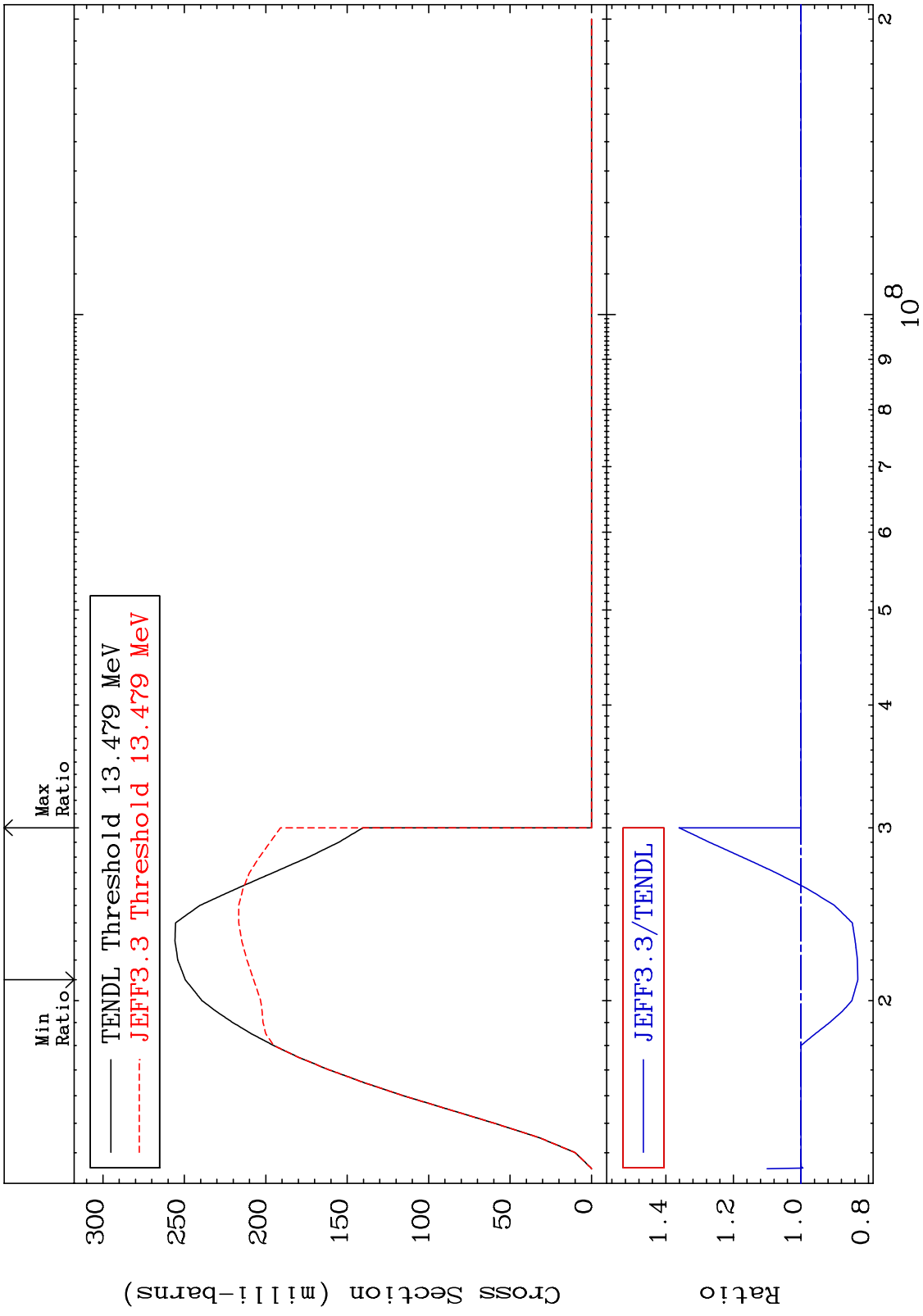


22-Ti-46 Incident Energy (eV)

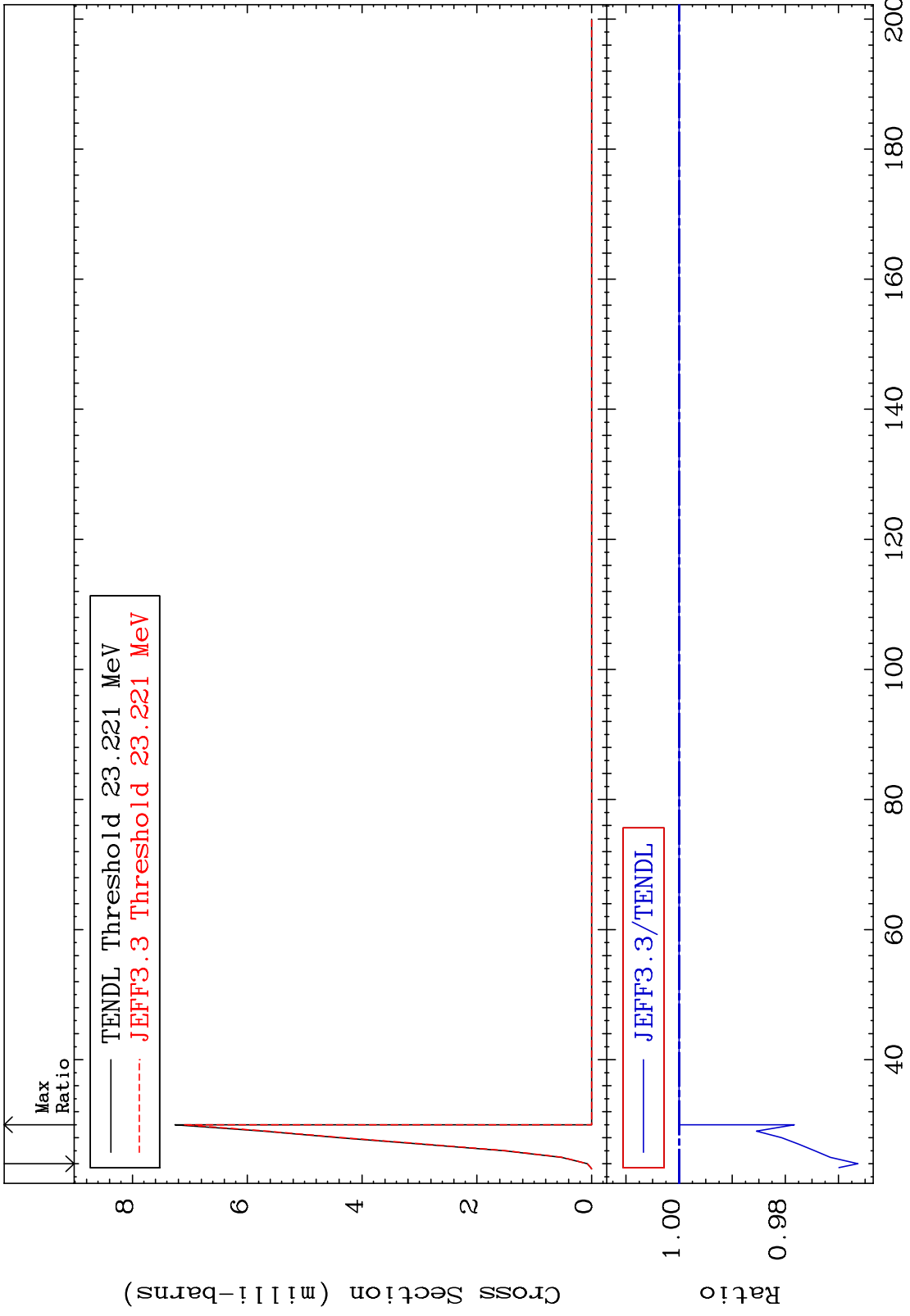
MAT 2225 (n, remainder) Cross Section 22-Ti-46 To 5.215 %



MAT 2225 $(n,2n)$ Cross Section $^{22}\text{Ti-46}$
 -16.84 To 36.11 %

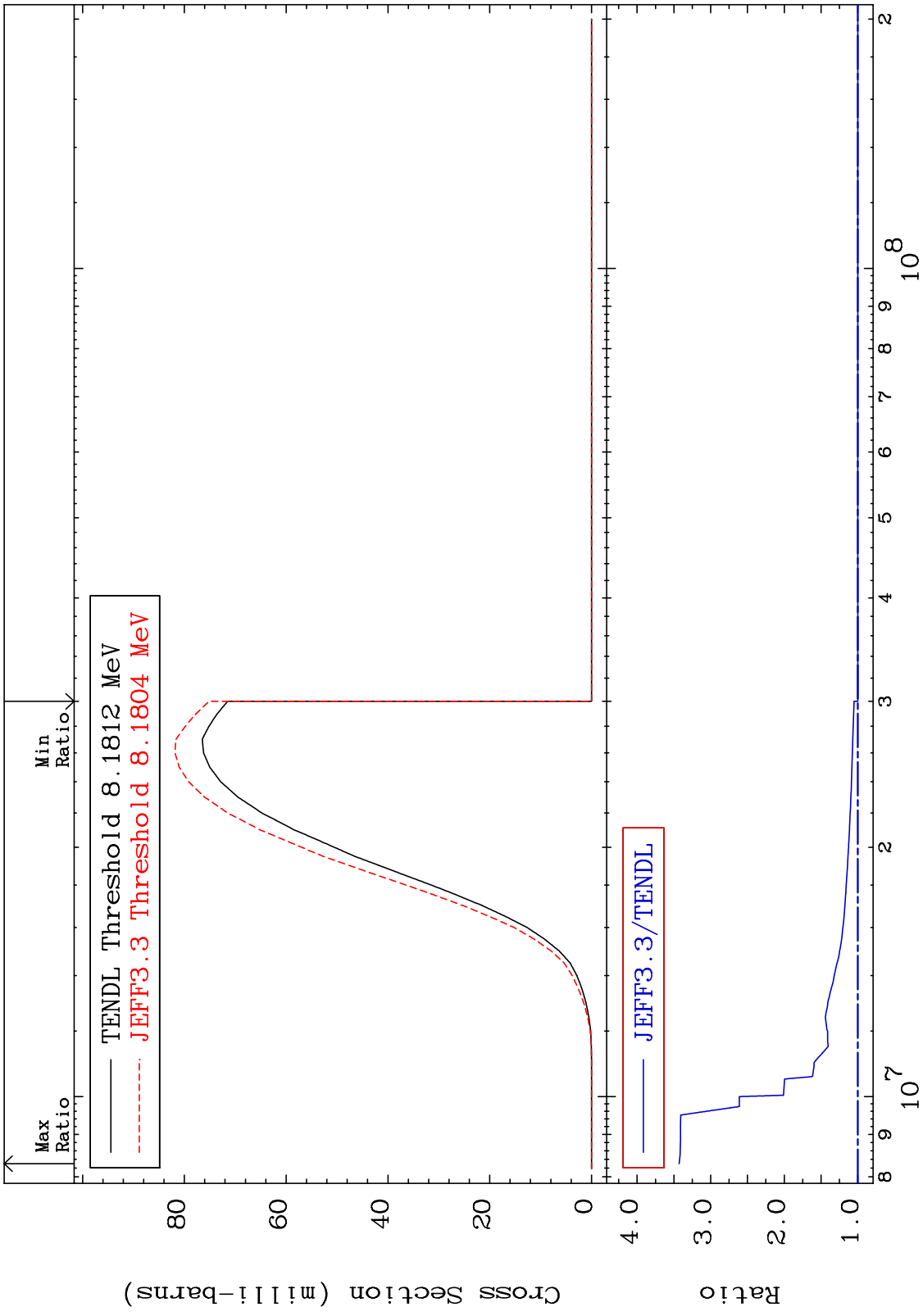


MAT 2225 (n,3n) 22-Ti-46
Cross Section -3.366 To 0.000 %

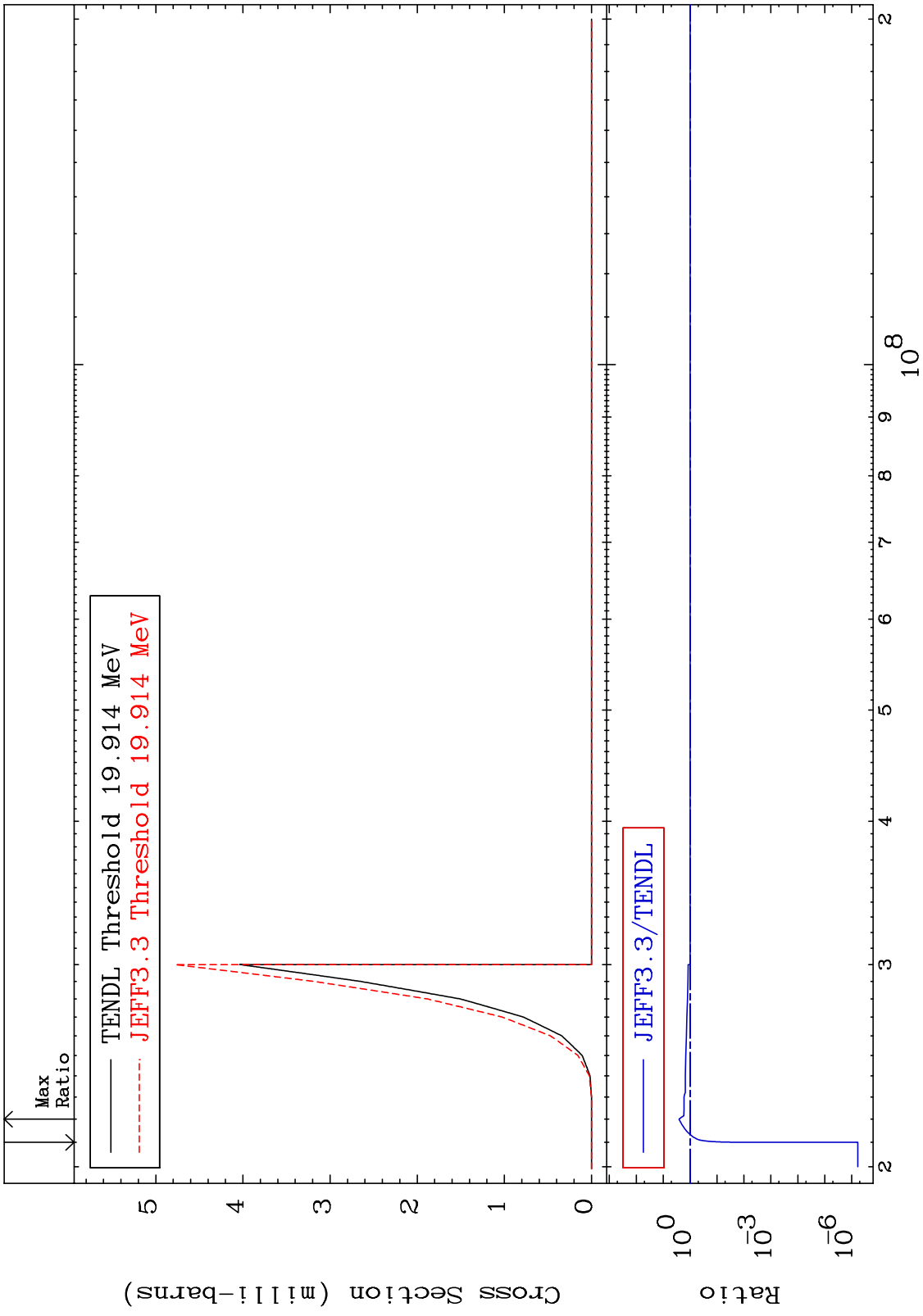


6 Incident Energy (MeV) 22-Ti-46

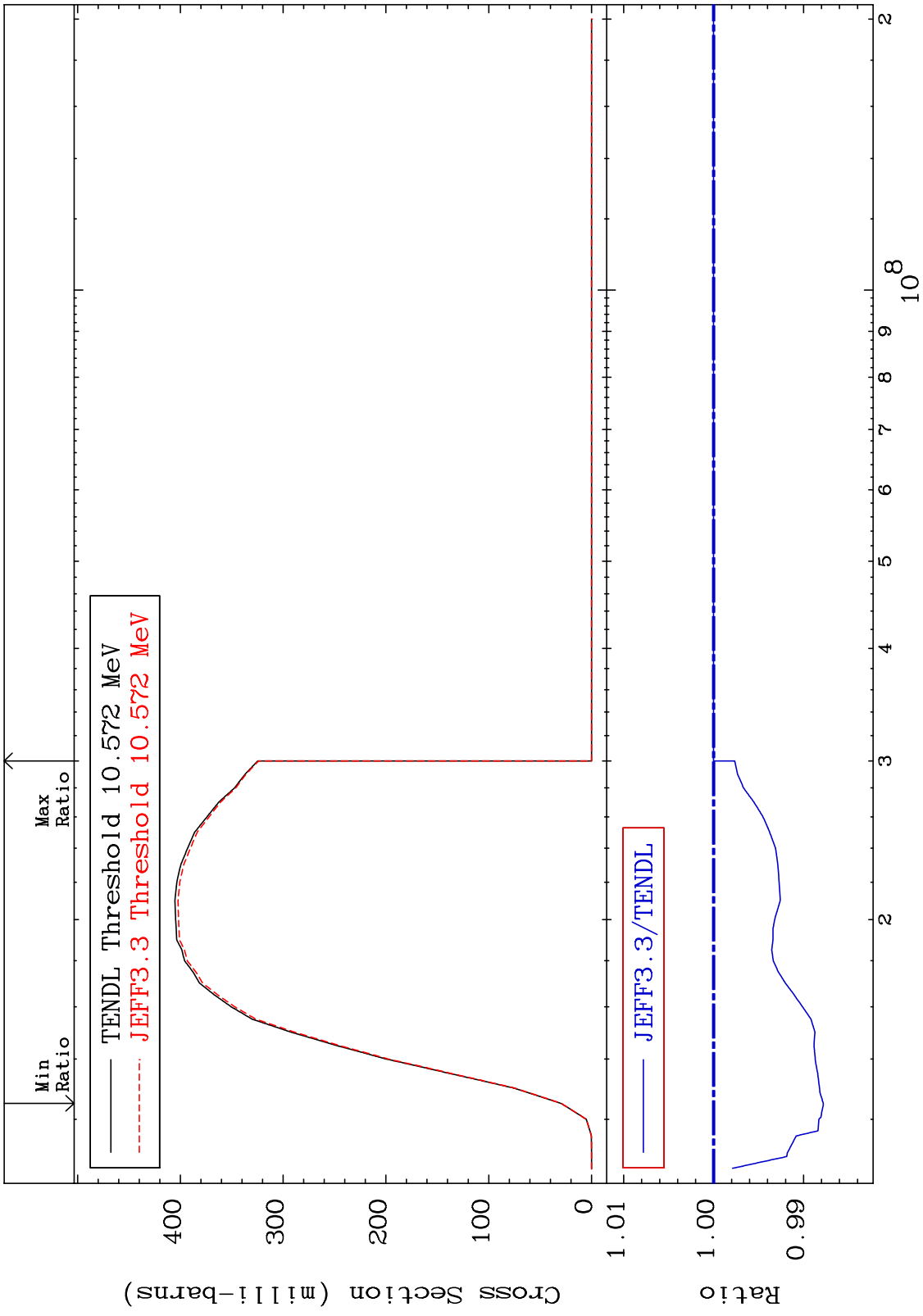
MAT 2225 $(n, n') \alpha$ Cross Section 22-Ti-46 To 243.0 %



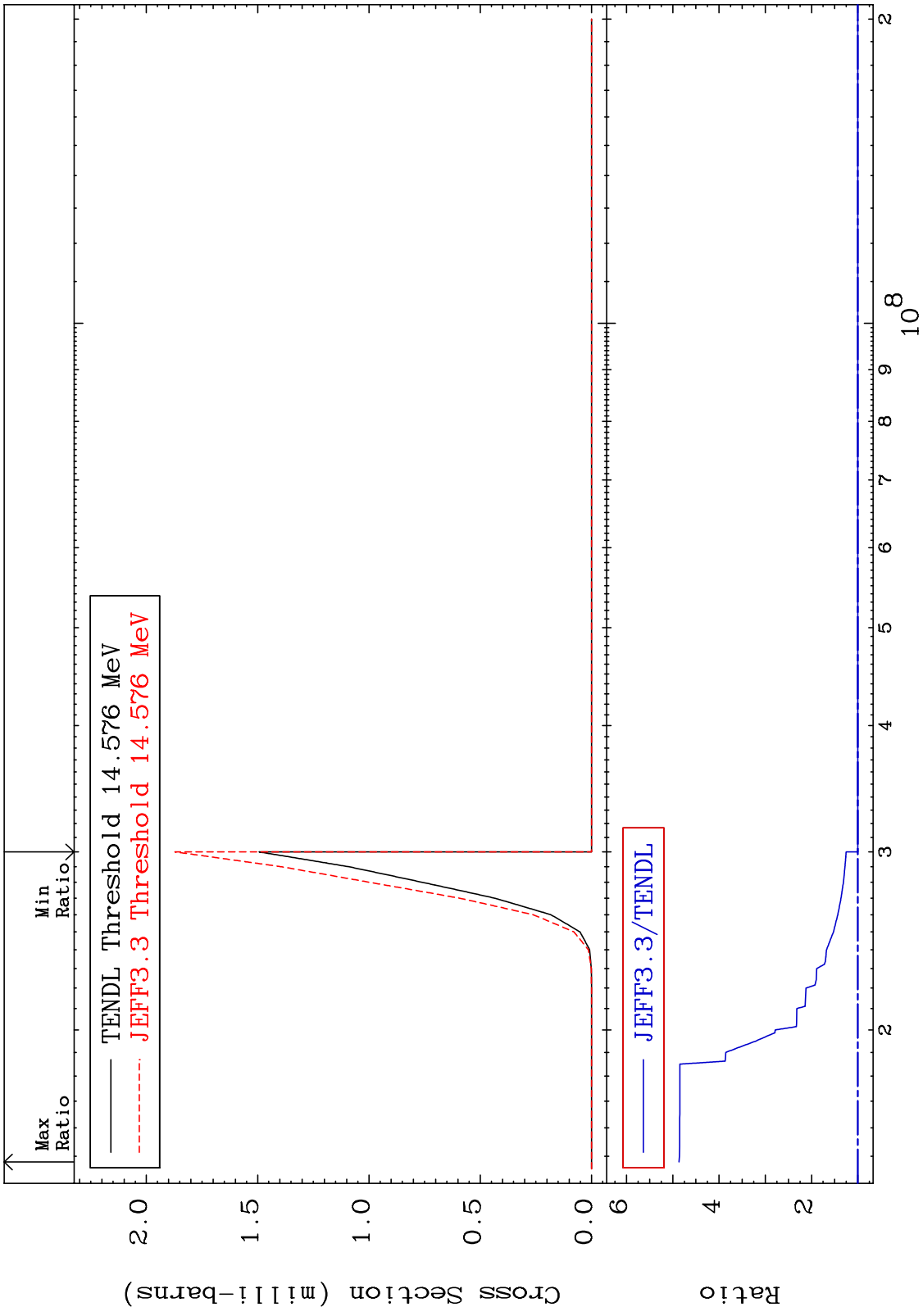
MAT 2225 $(n, 2n) \alpha$ 22-Ti-46
 Cross Section -100.0 To 157.3 %

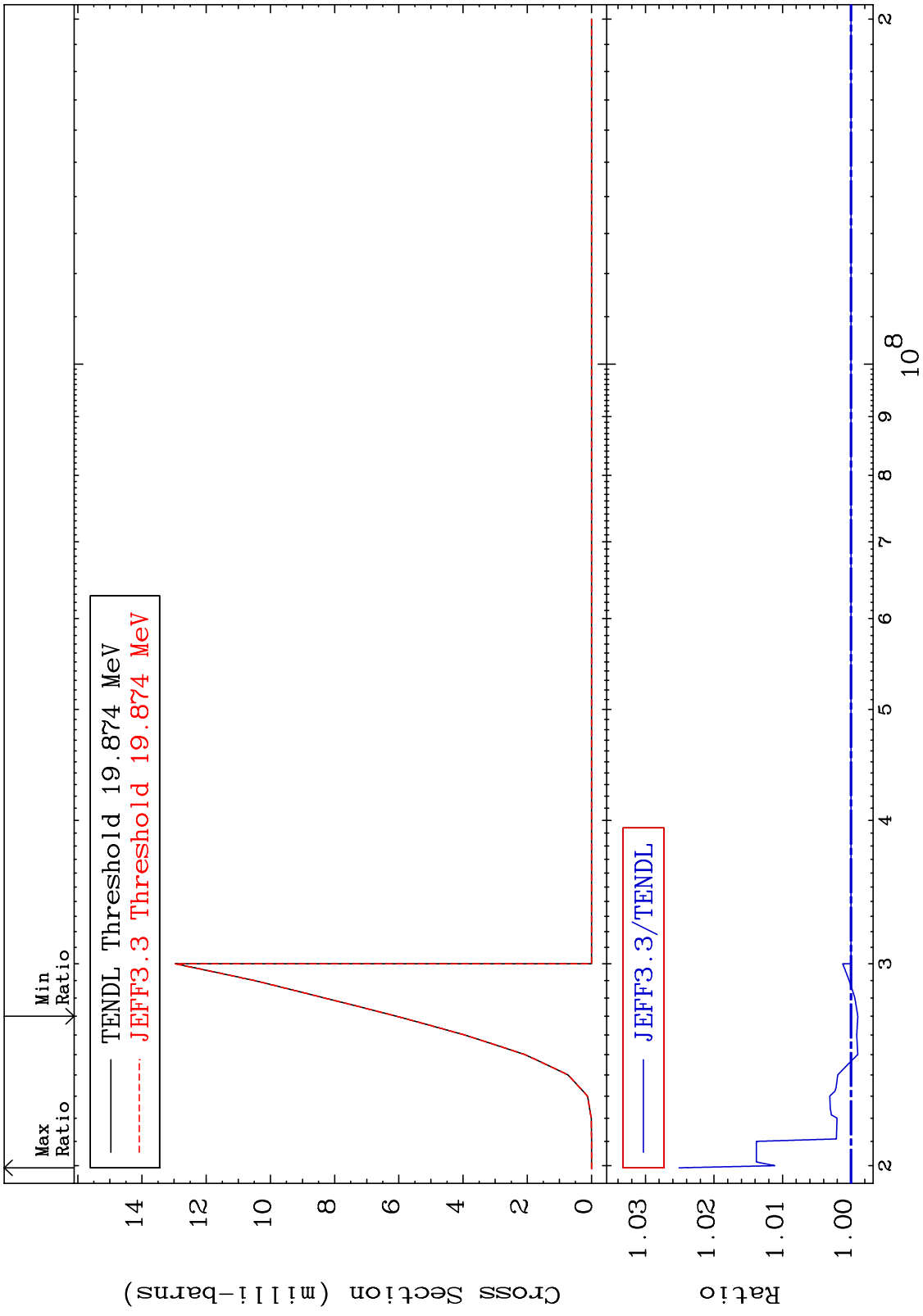


MAT 2225 (n, n') p $^{22}\text{Ti-46}$
 Cross Section -1.219 To 0.000 %



MAT 2225 (n,n') 2α Cross Section 22-Ti-46 0.000 To 386.5 %





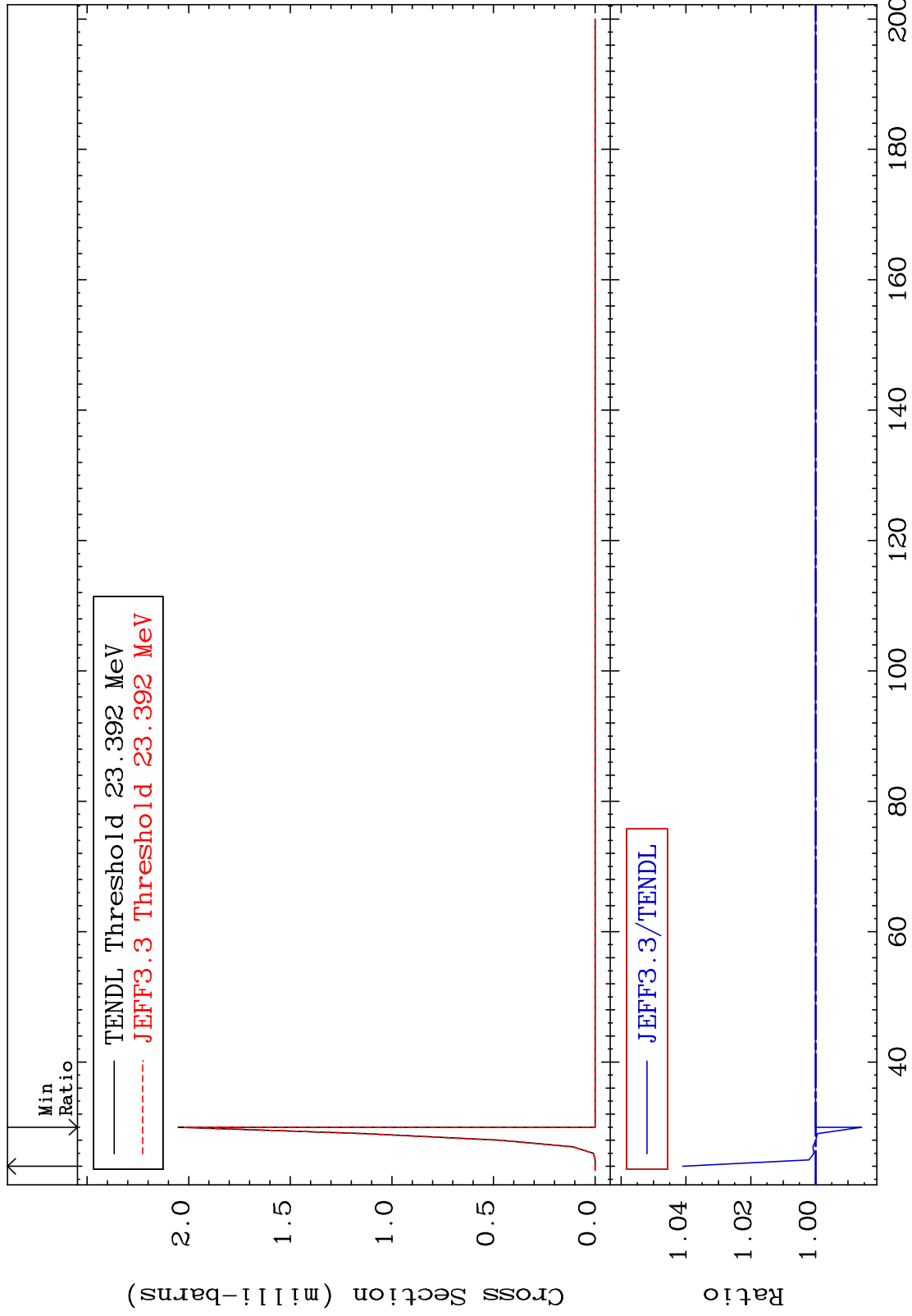
MAT 2225

(n,n') t

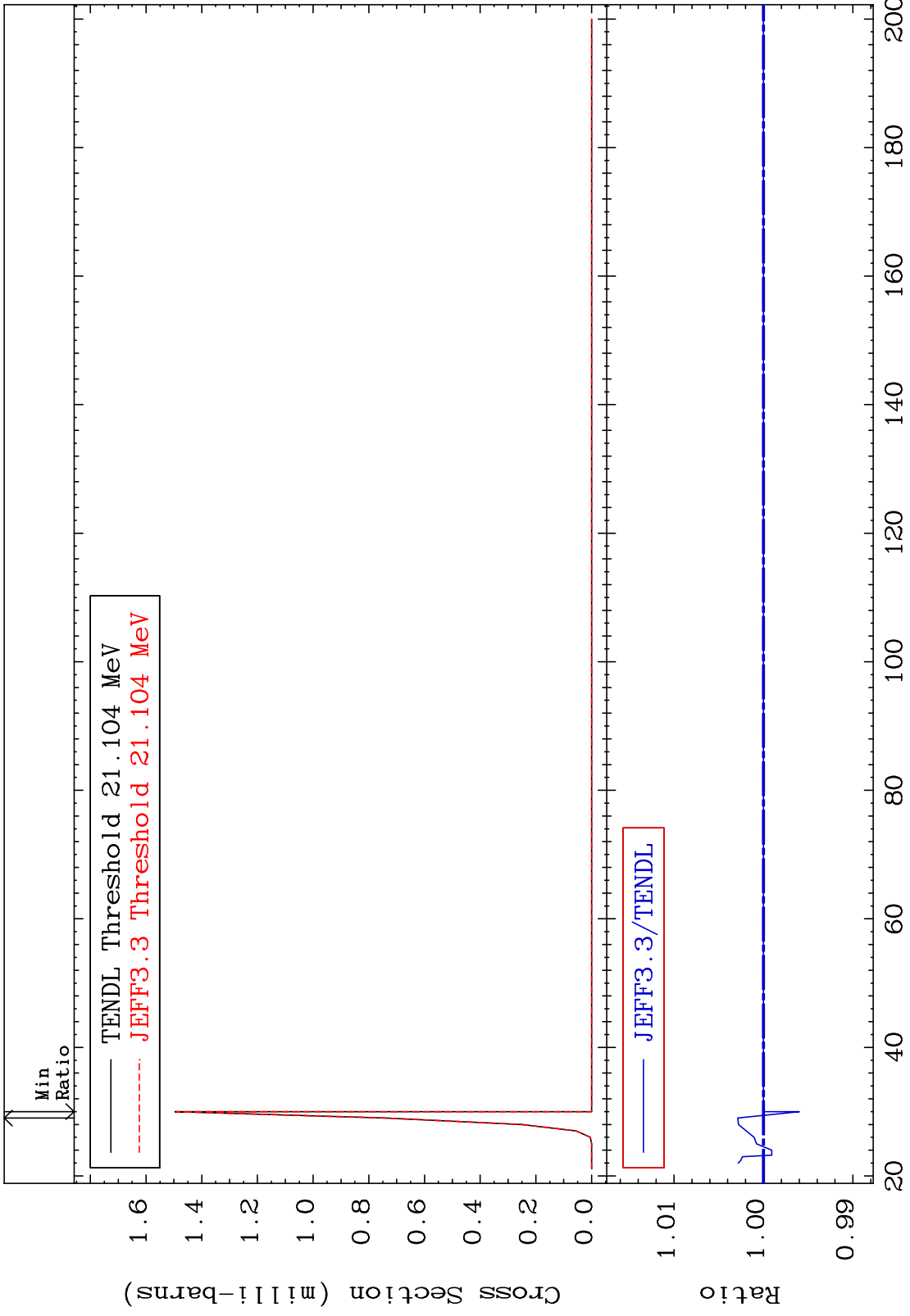
22-Ti-46

Cross Section

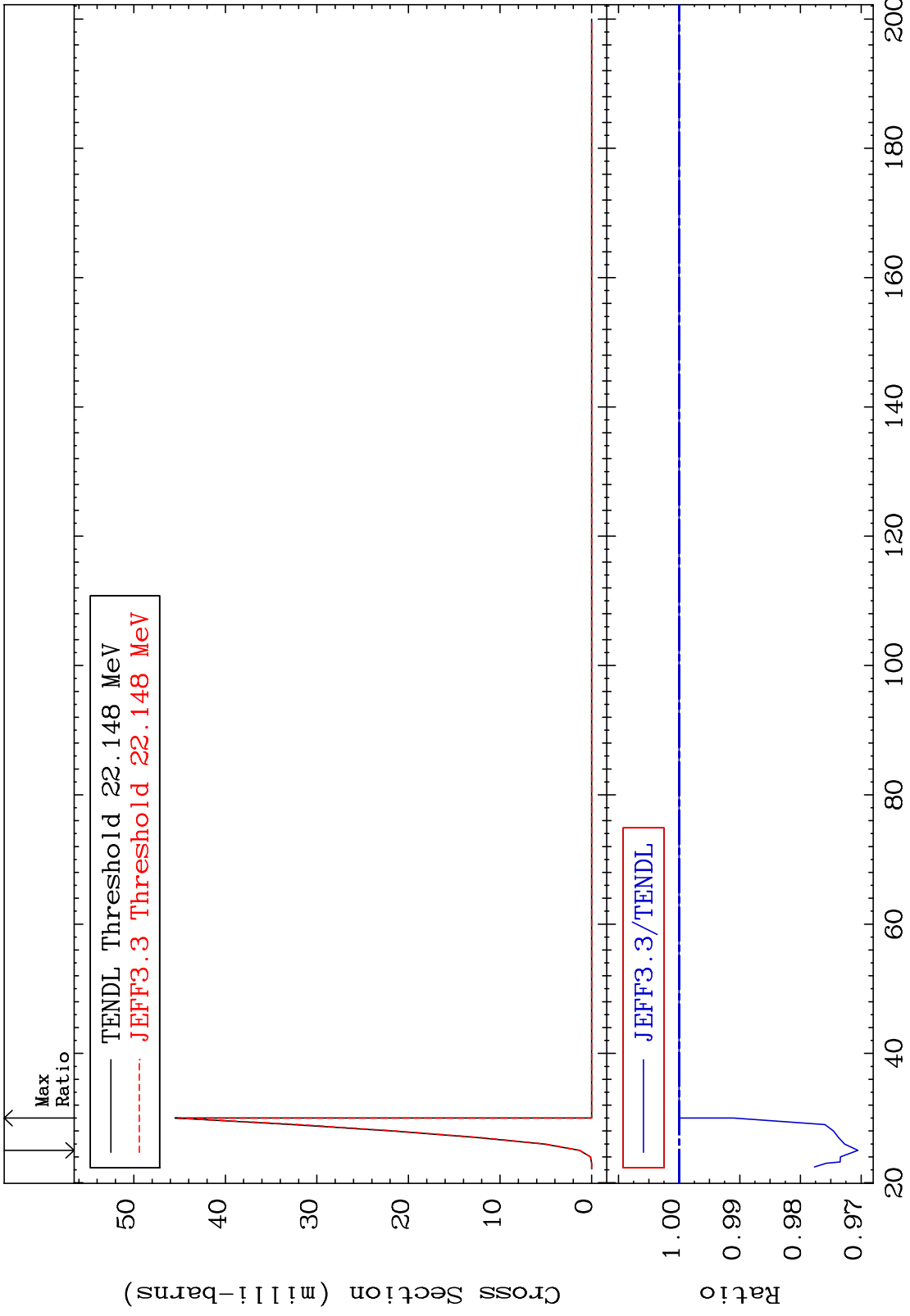
-1.416 To 4.101 %

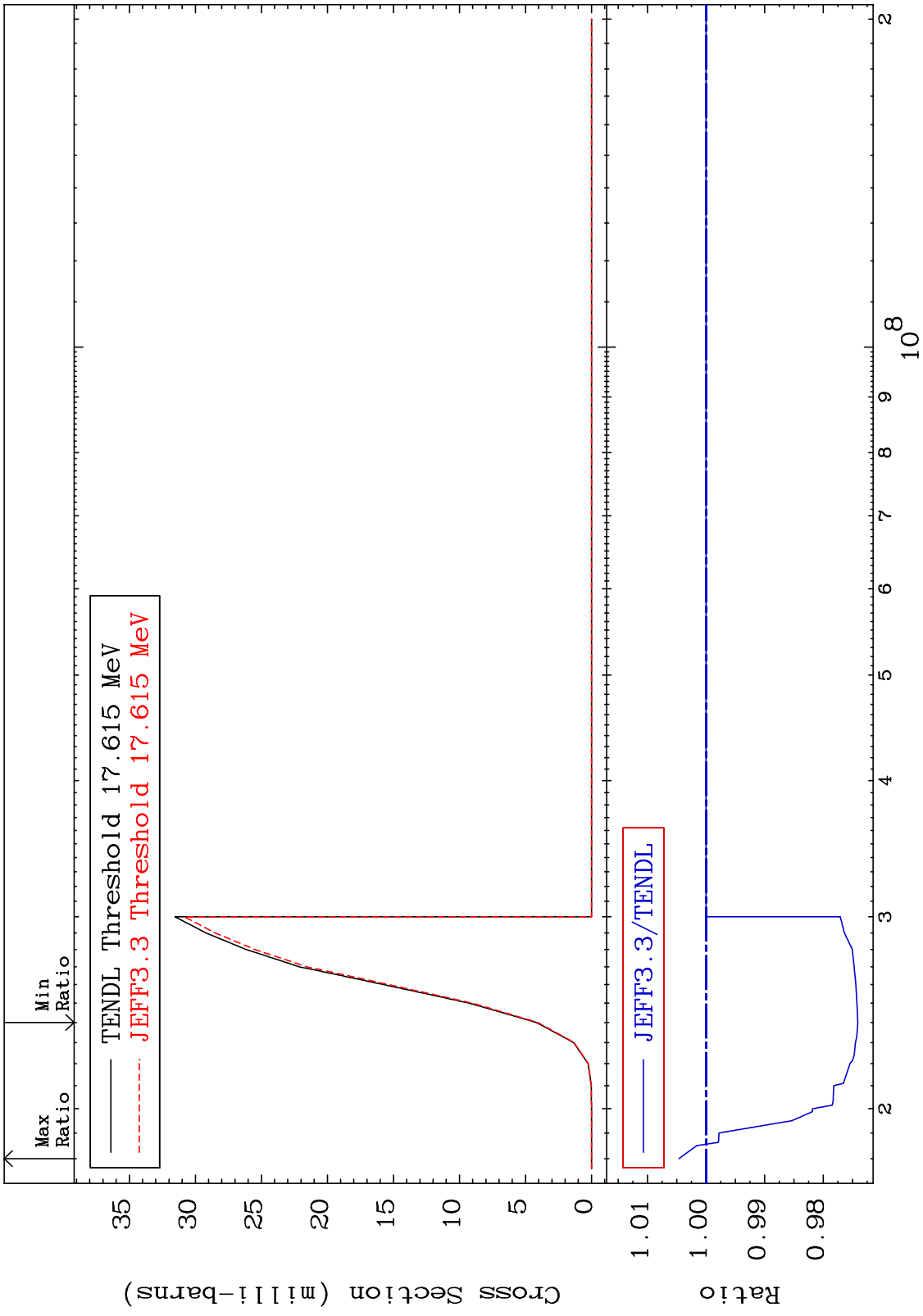


MAT 2225 (n,n') He-3 22-Ti-46
 Cross Section -0.401 To 0.288 %

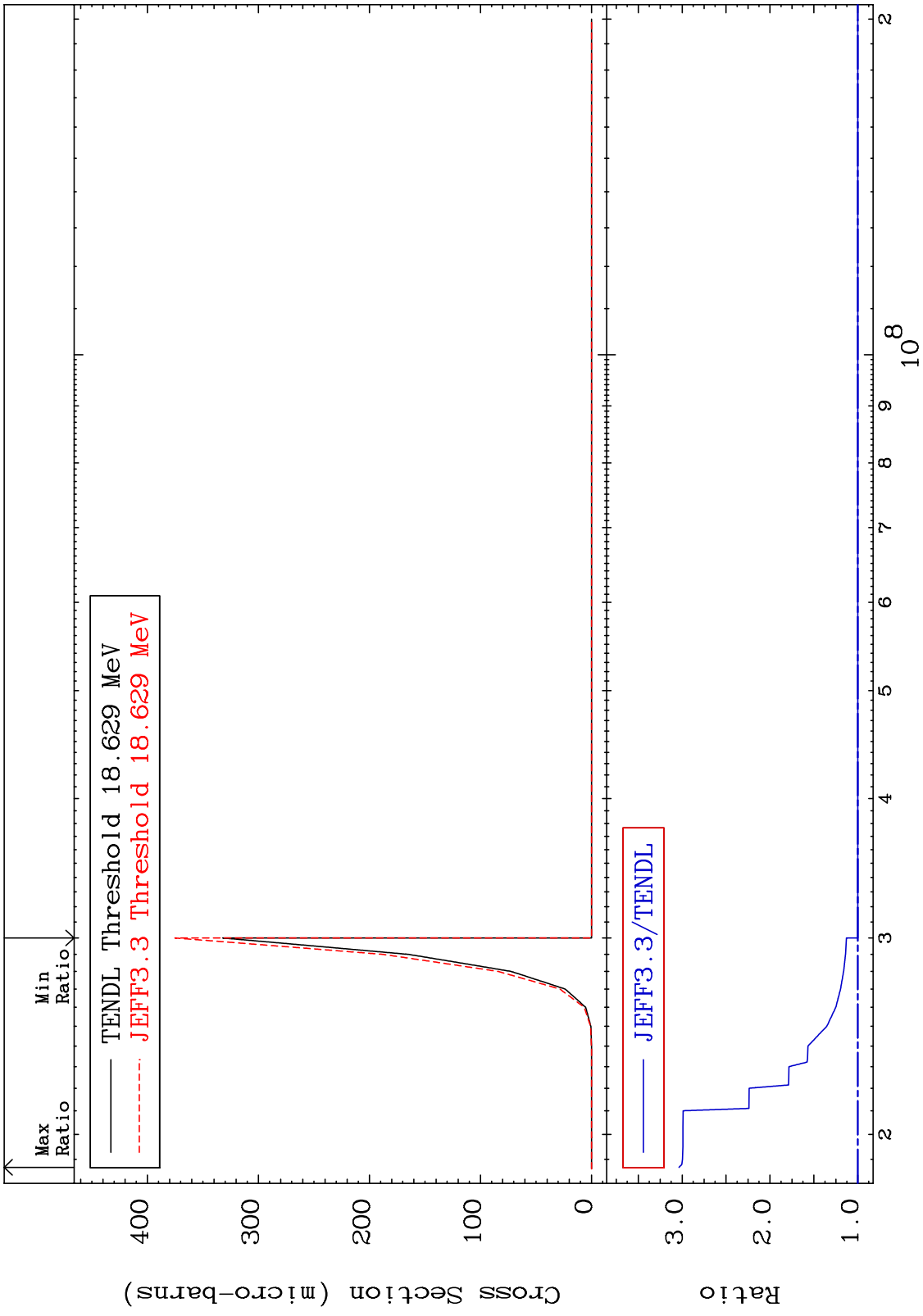


MAT 2225 (n,2n) p 22-Ti-46
 Cross Section -2.948 To 0.000 %



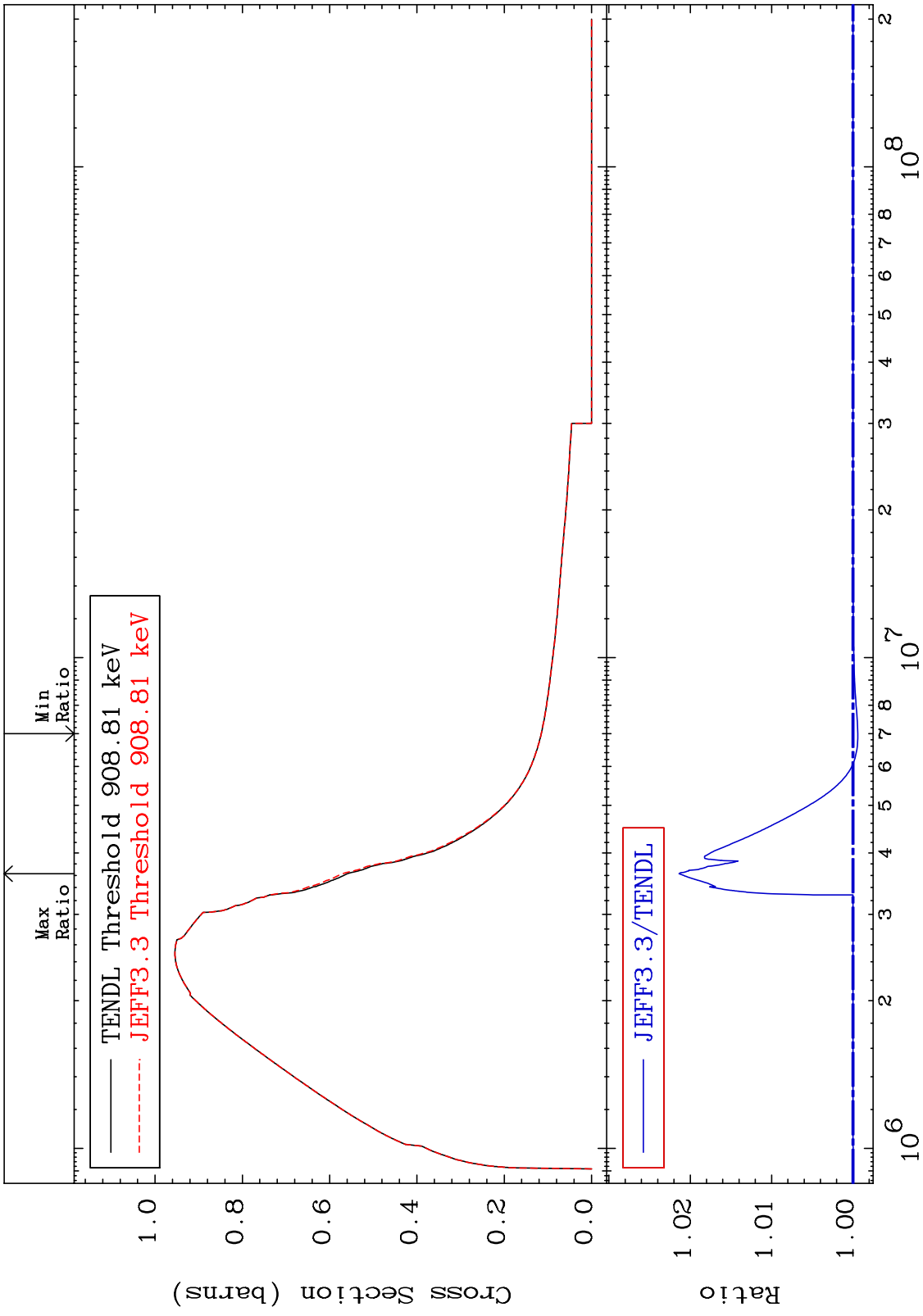


MAT 2225 (n,n') p α 22-Ti-46
 Cross Section 0.000 To 203.5 %



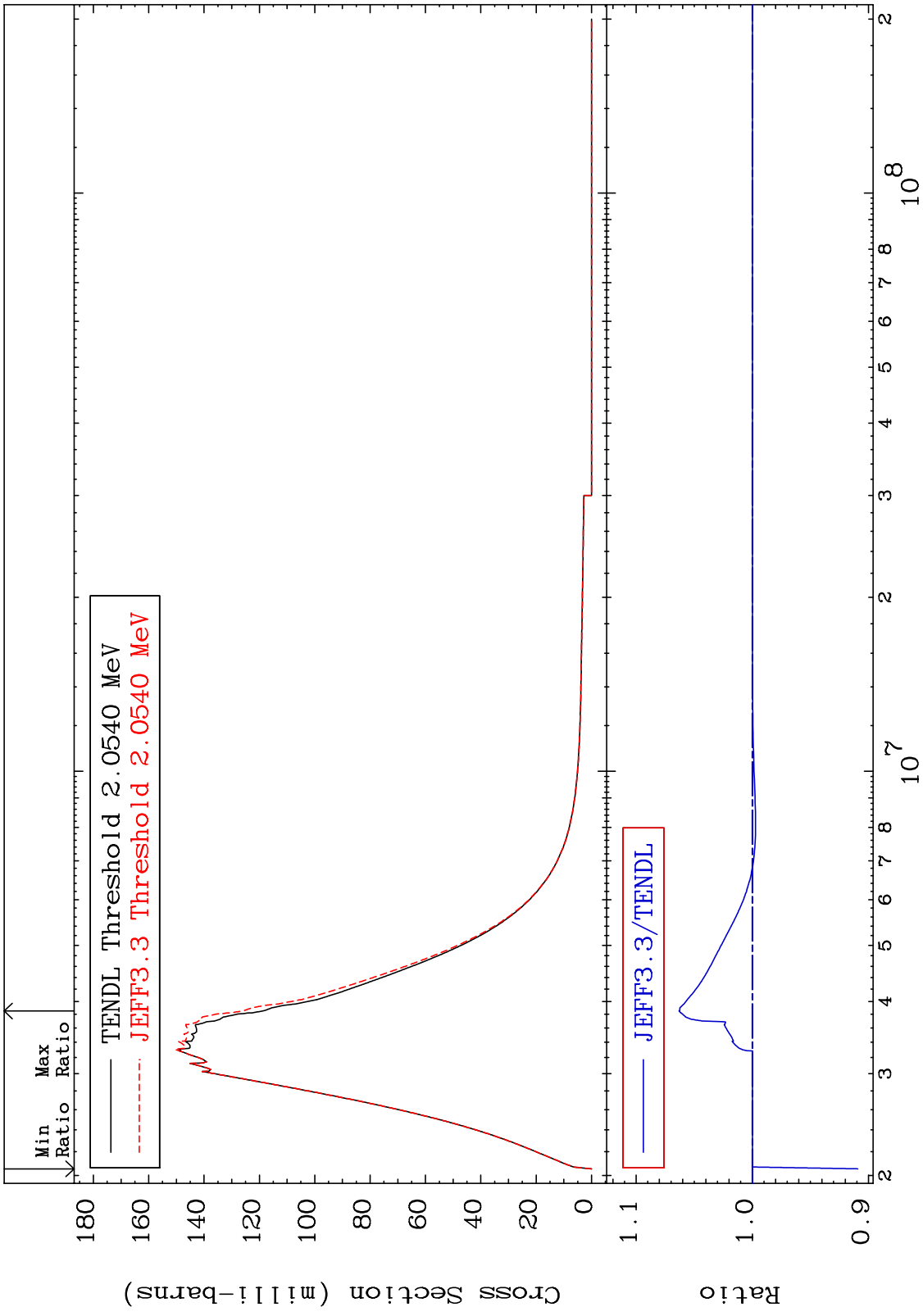
22-Ti-46

MAT 2225 MT= 51 (n,n') Level Cross Section -0.060 To 2.138 % 22-Ti-46

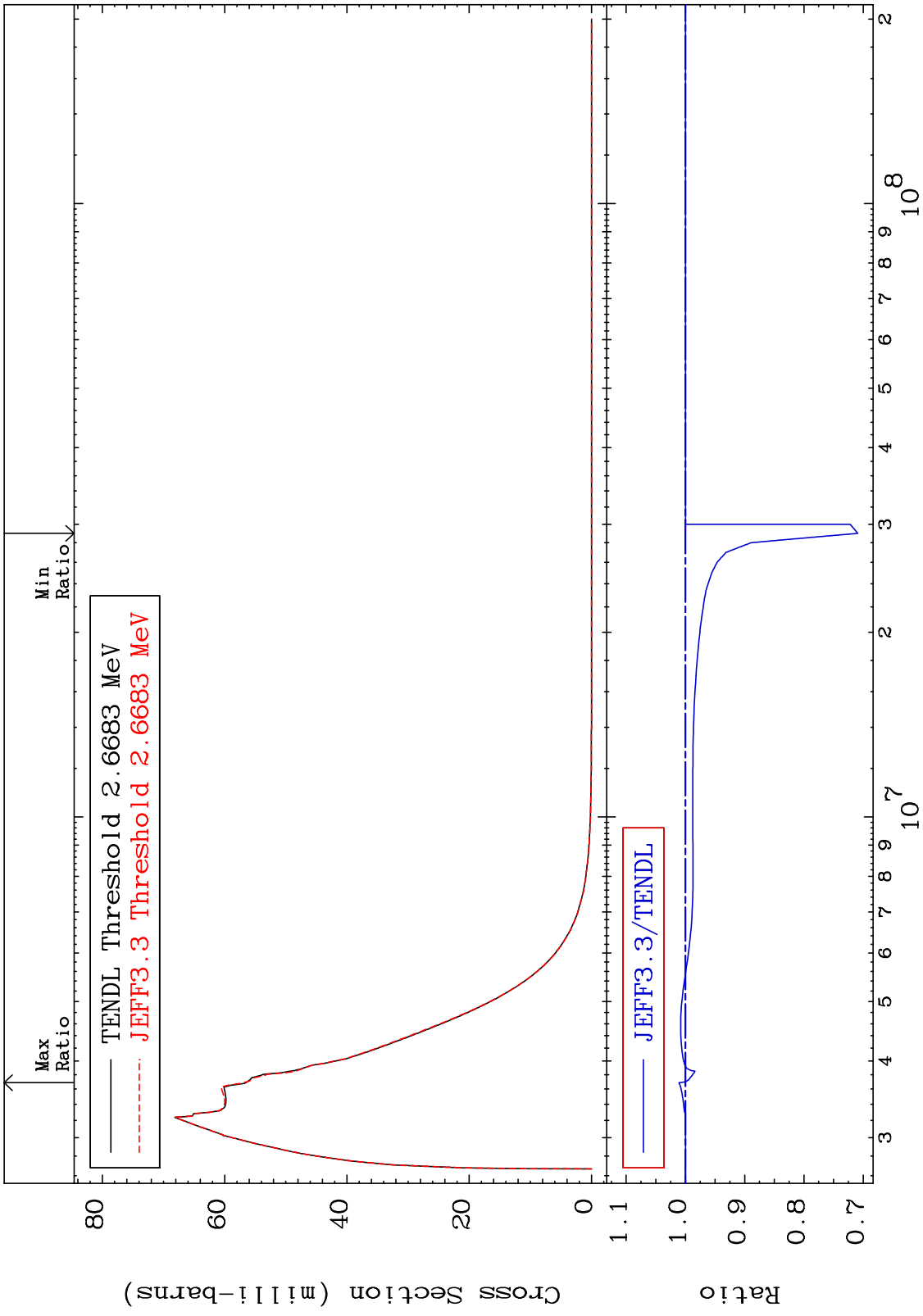


17 Incident Energy (eV) 22-Ti-46

MAT 2225 MT= 52 (n,n') Level Cross Section 22-Ti-46
 -9.085 To 6.309 %



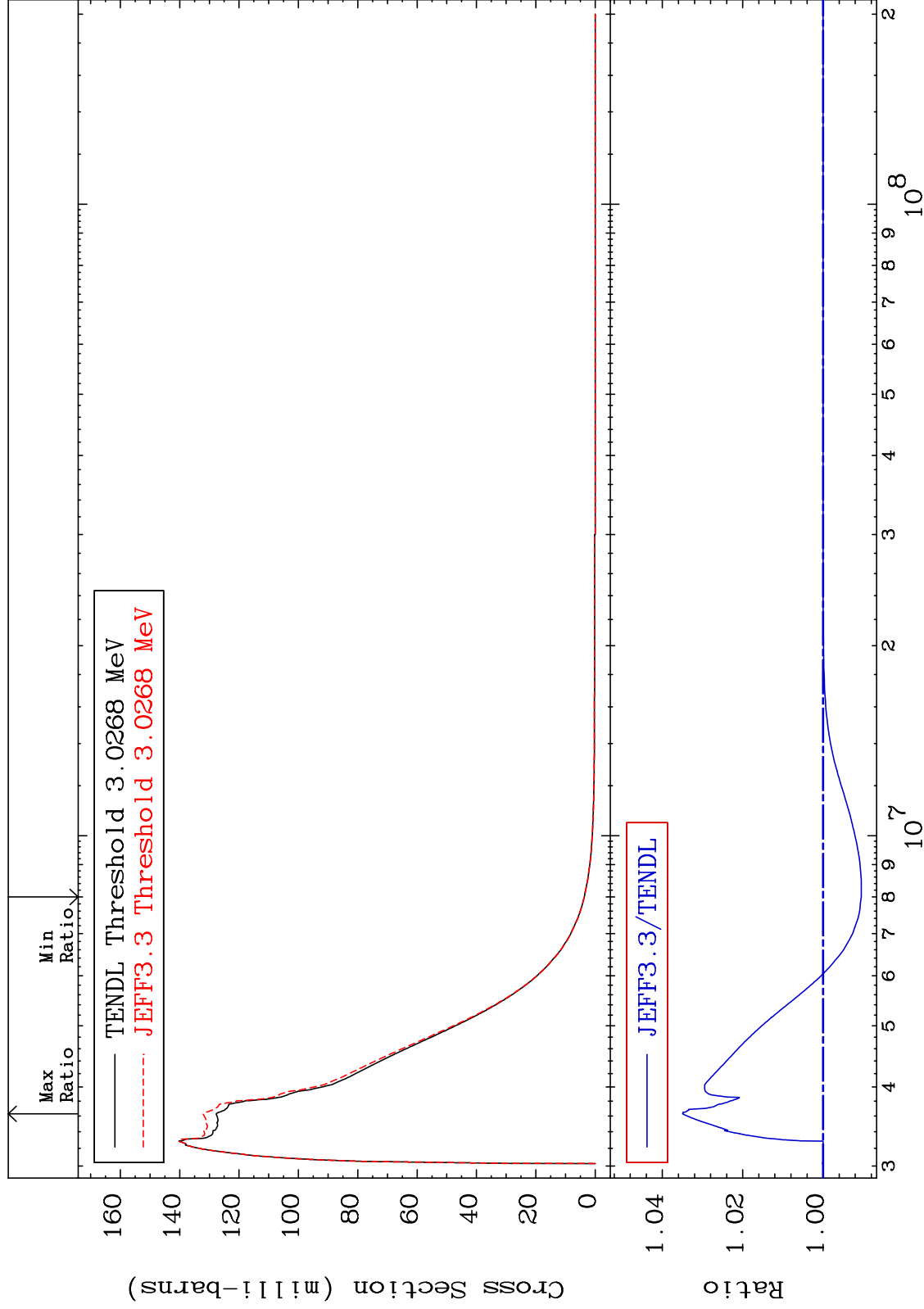
MAT 2225 MT= 53 (n, n') Level Cross Section -29.09 To 1.078 % 22-Ti-46



MAT 2225

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

22-Ti-46
-0.952 To 3.495 %

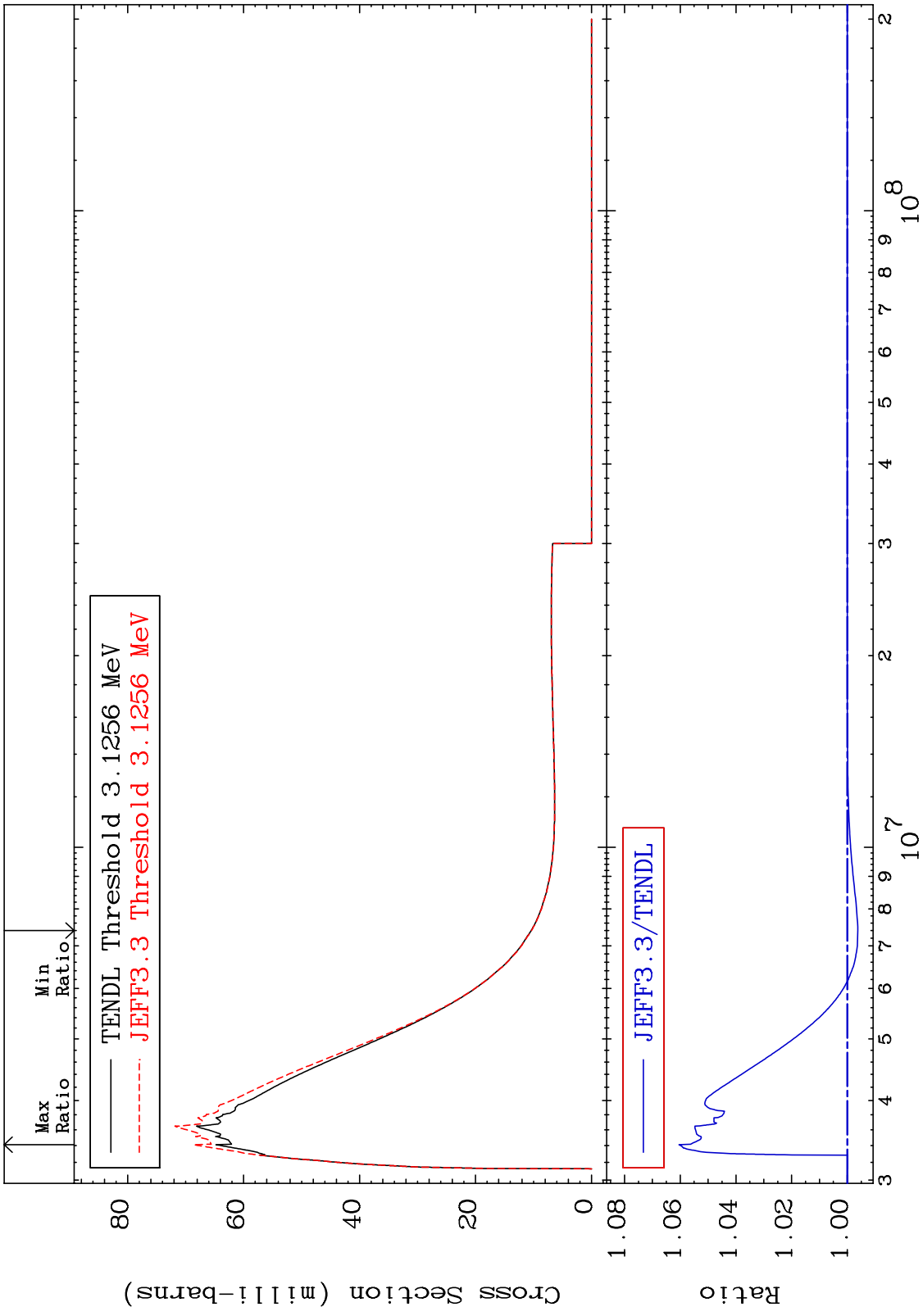


20

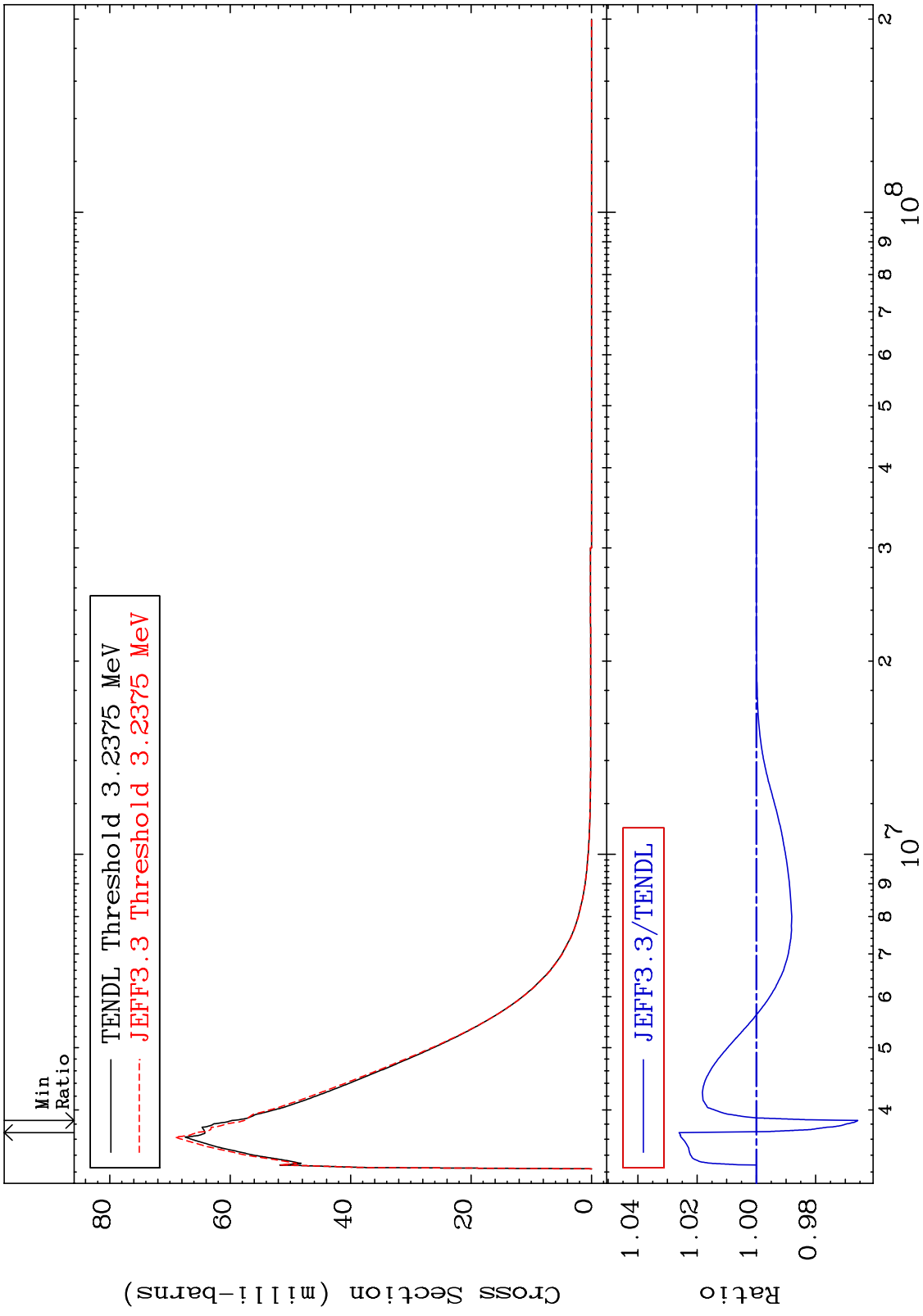
Incident Energy (eV)

22-Ti-46

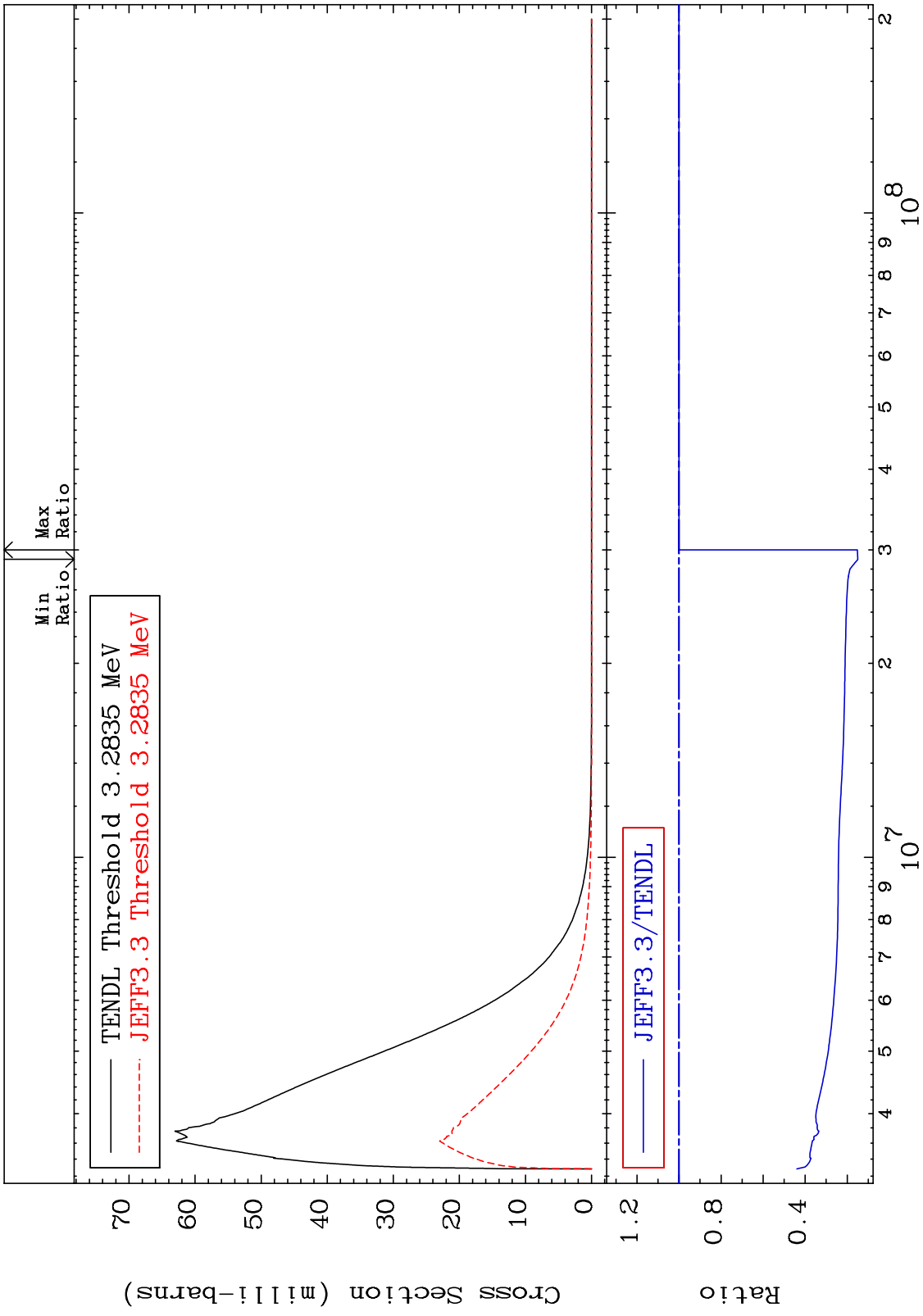
MAT 2225 MT= 55 (n,n') Level Cross Section 22-Ti-46
 -0.377 To 6.042 %



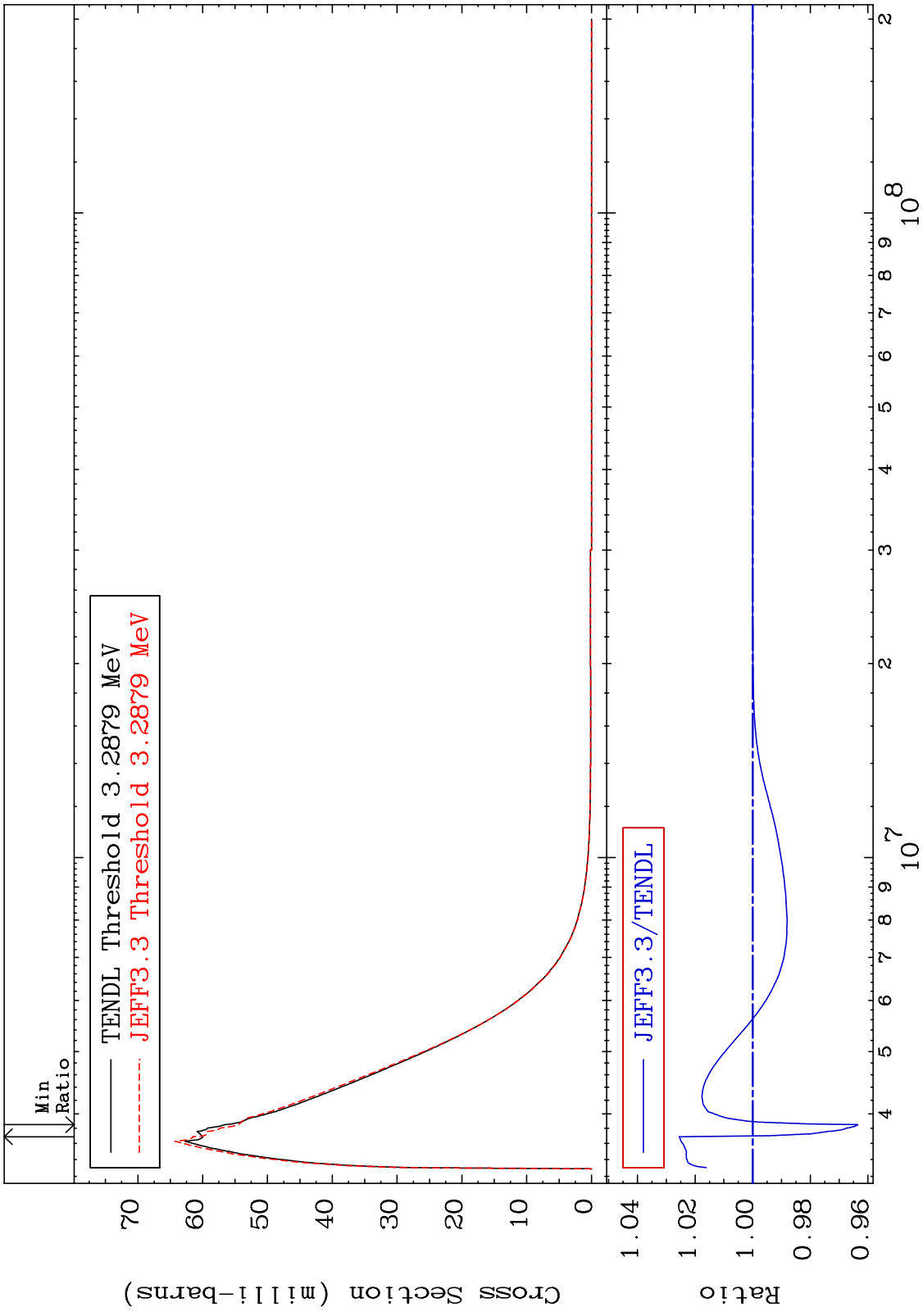
MAT 2225 MT= 56 (n,n') Level Cross Section -3.426 To 2.610 % 22-Ti-46



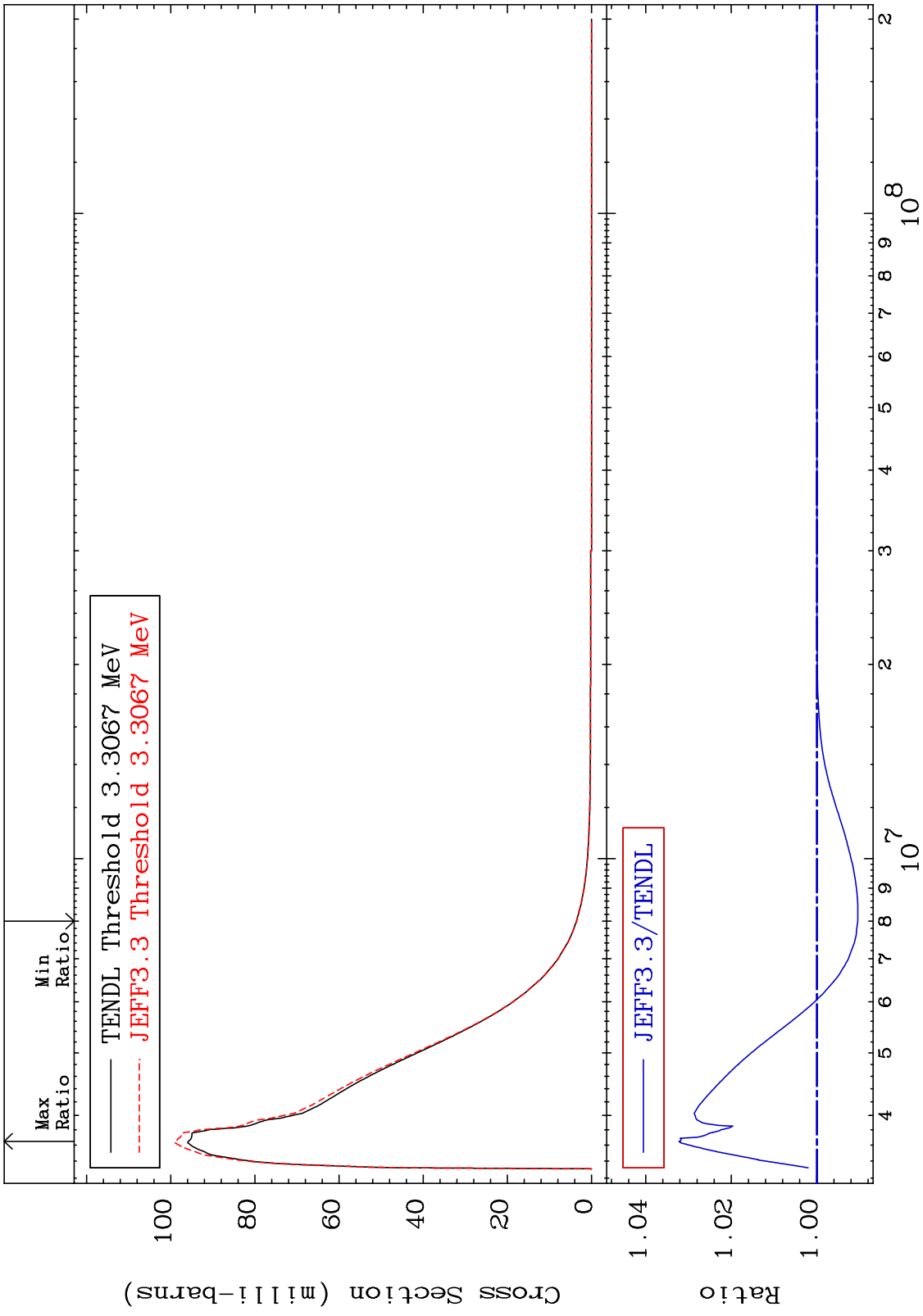
MAT 2225 MT= 57 (n,n') Level Cross Section -85.07 To 0.000 % 22-Ti-46



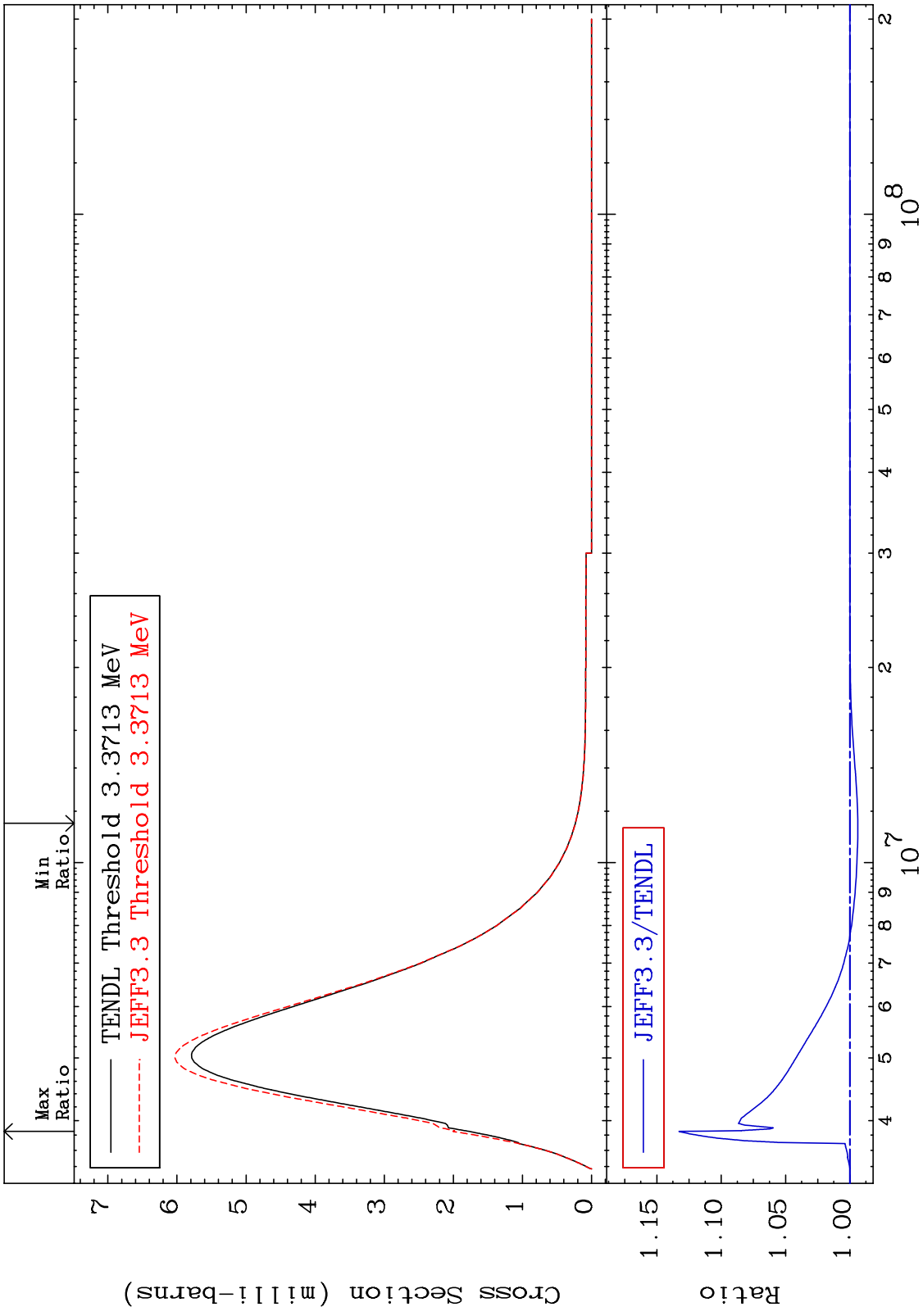
MAT 2225 MT= 58 (n,n') Level Cross Section -3.650 To 2.556 % 22-Ti-46



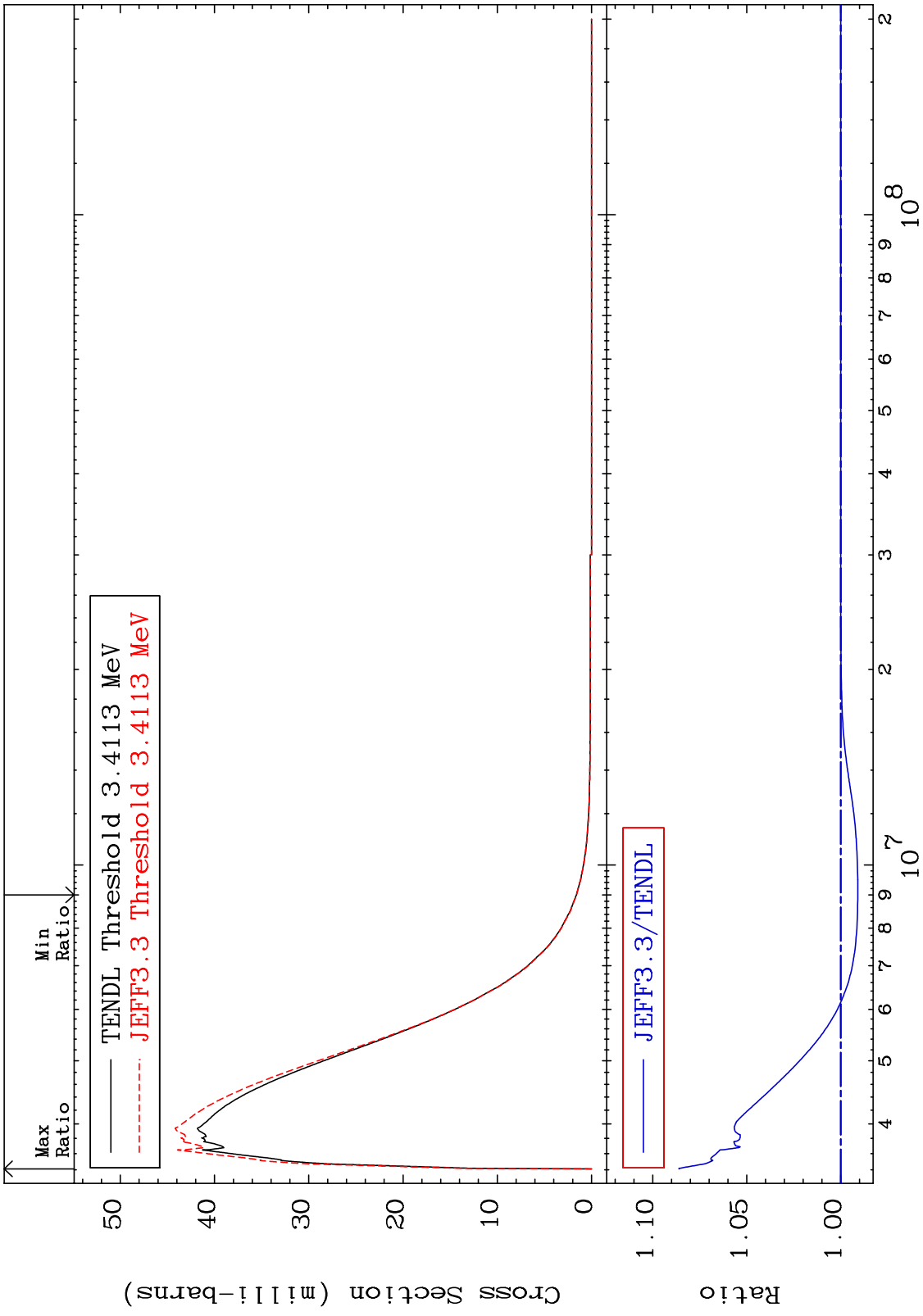
MAT 2225 MT= 59 (n,n') Level Cross Section 22-Ti-46 -0.959 To 3.221 %



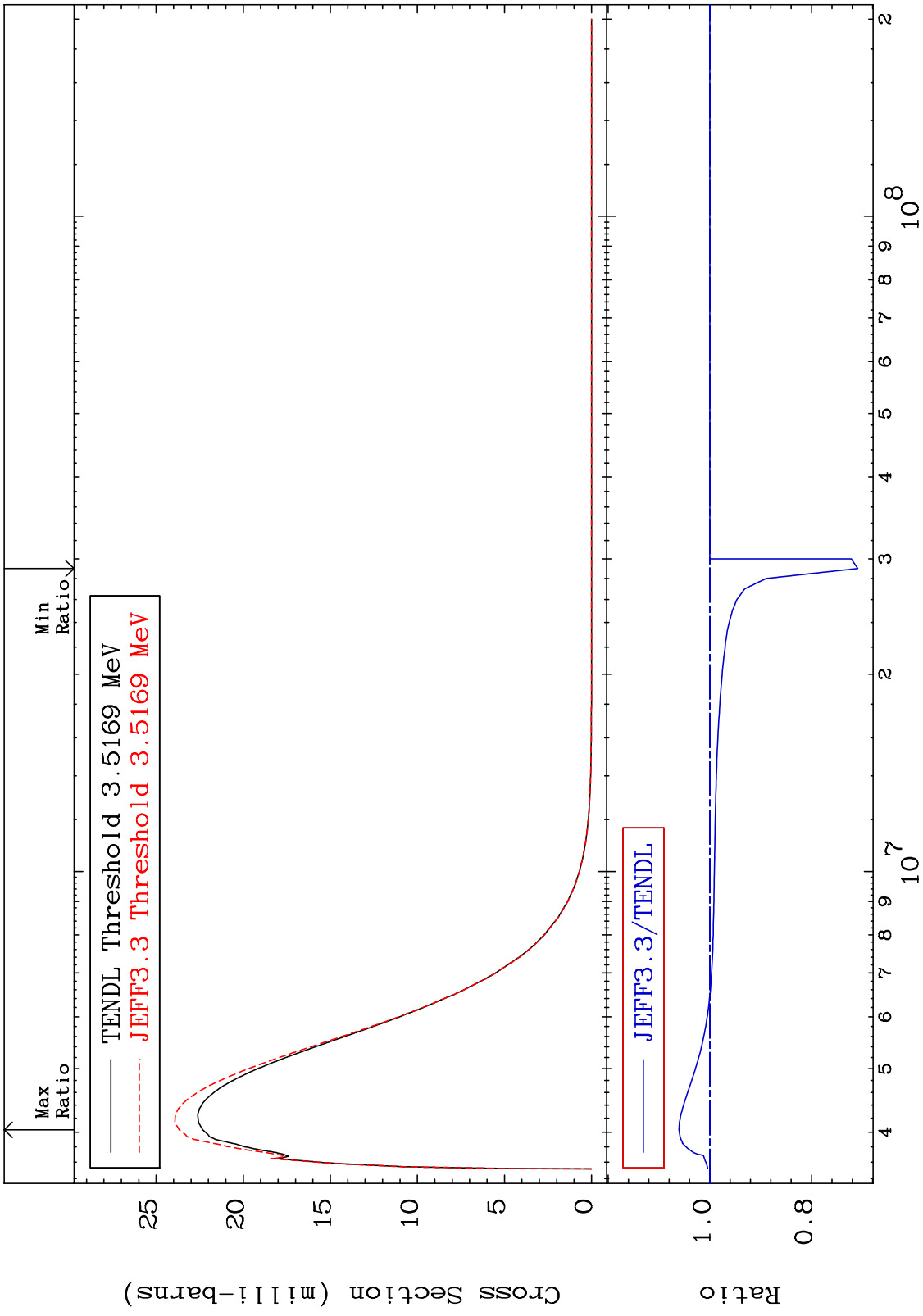
MAT 2225 MT= 60 (n,n') Level Cross Section 22-Ti-46
 -0.619 To 13.28 %



MAT 2225 MT= 61 (n,n') Level Cross Section 22-Ti-46
 -0.907 To 8.605 %

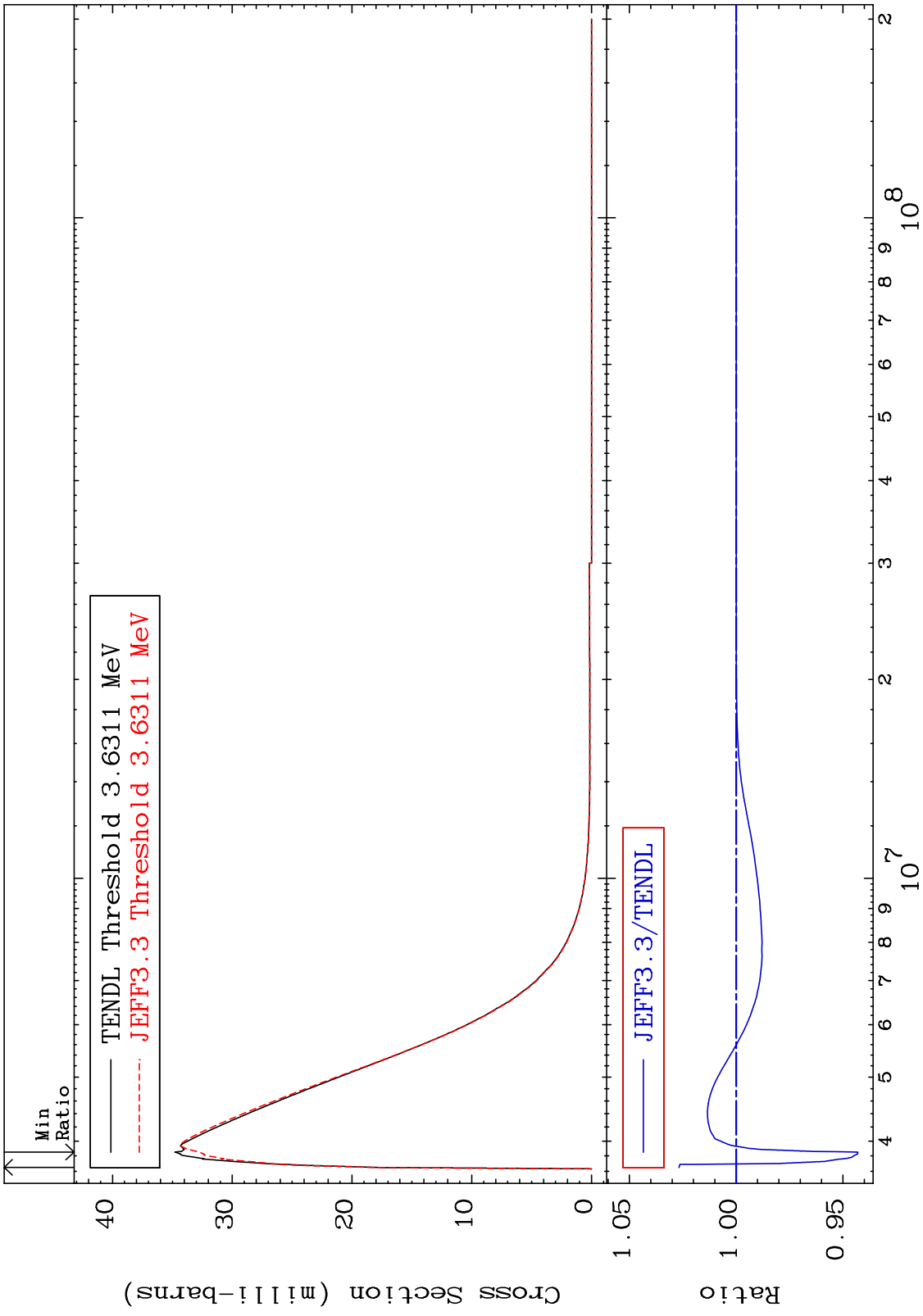


MAT 2225 MT= 62 (n,n') Level Cross Section -29.10 To 6.049 % 22-Ti-46

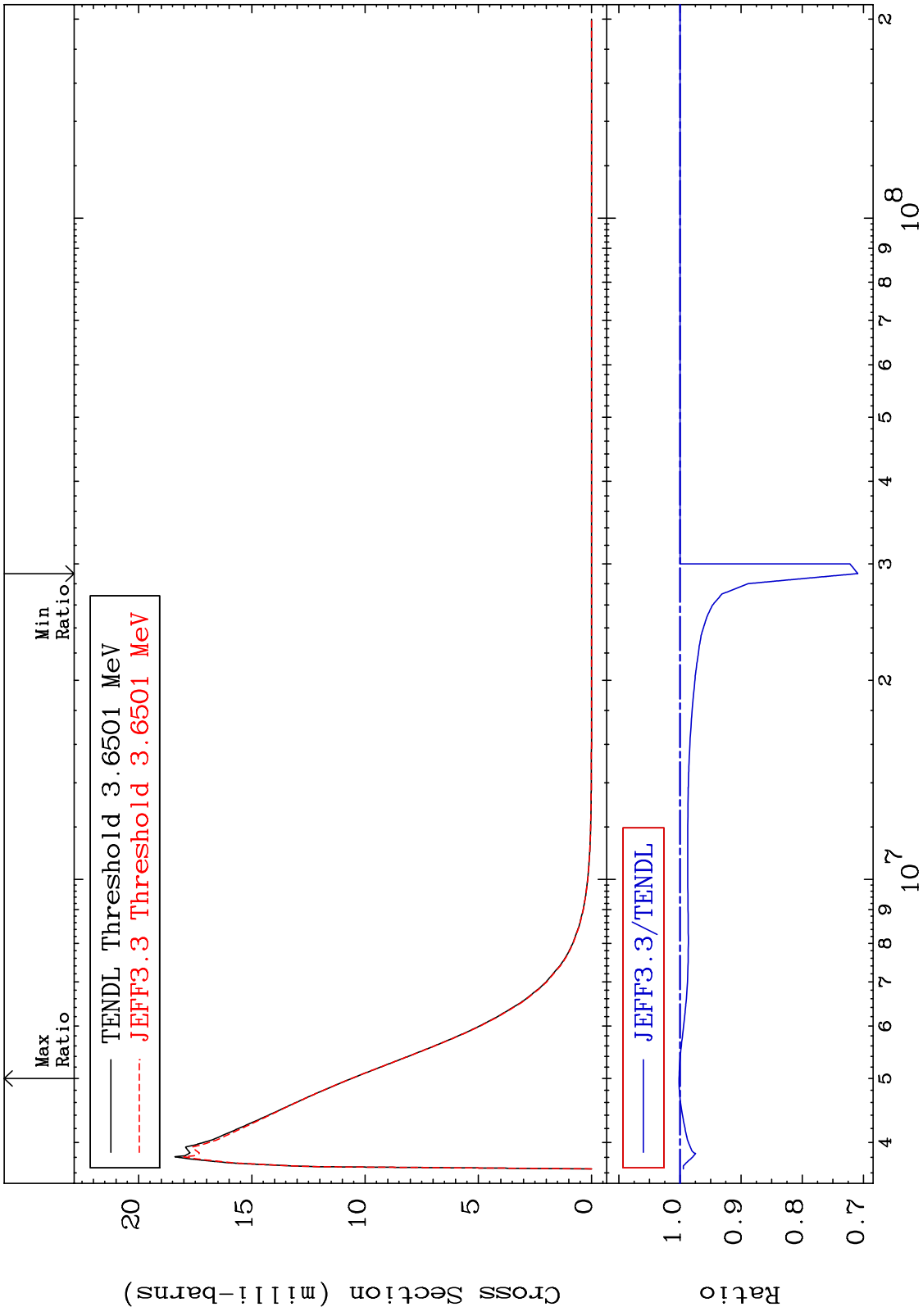


28 22-Ti-46

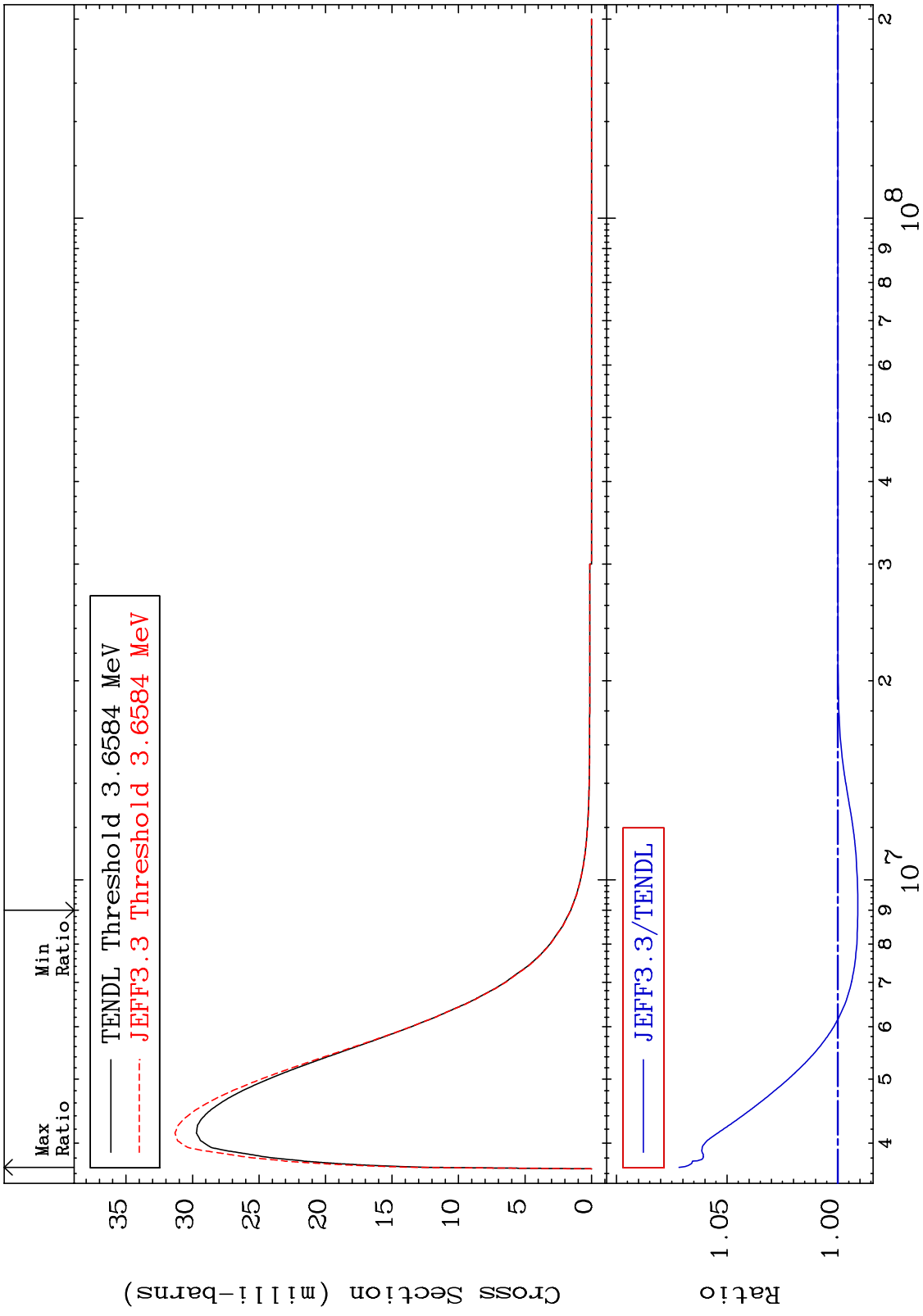
MAT 2225 MT= 63 (n,n') Level Cross Section -5.697 To 2.677 % 22-Ti-46



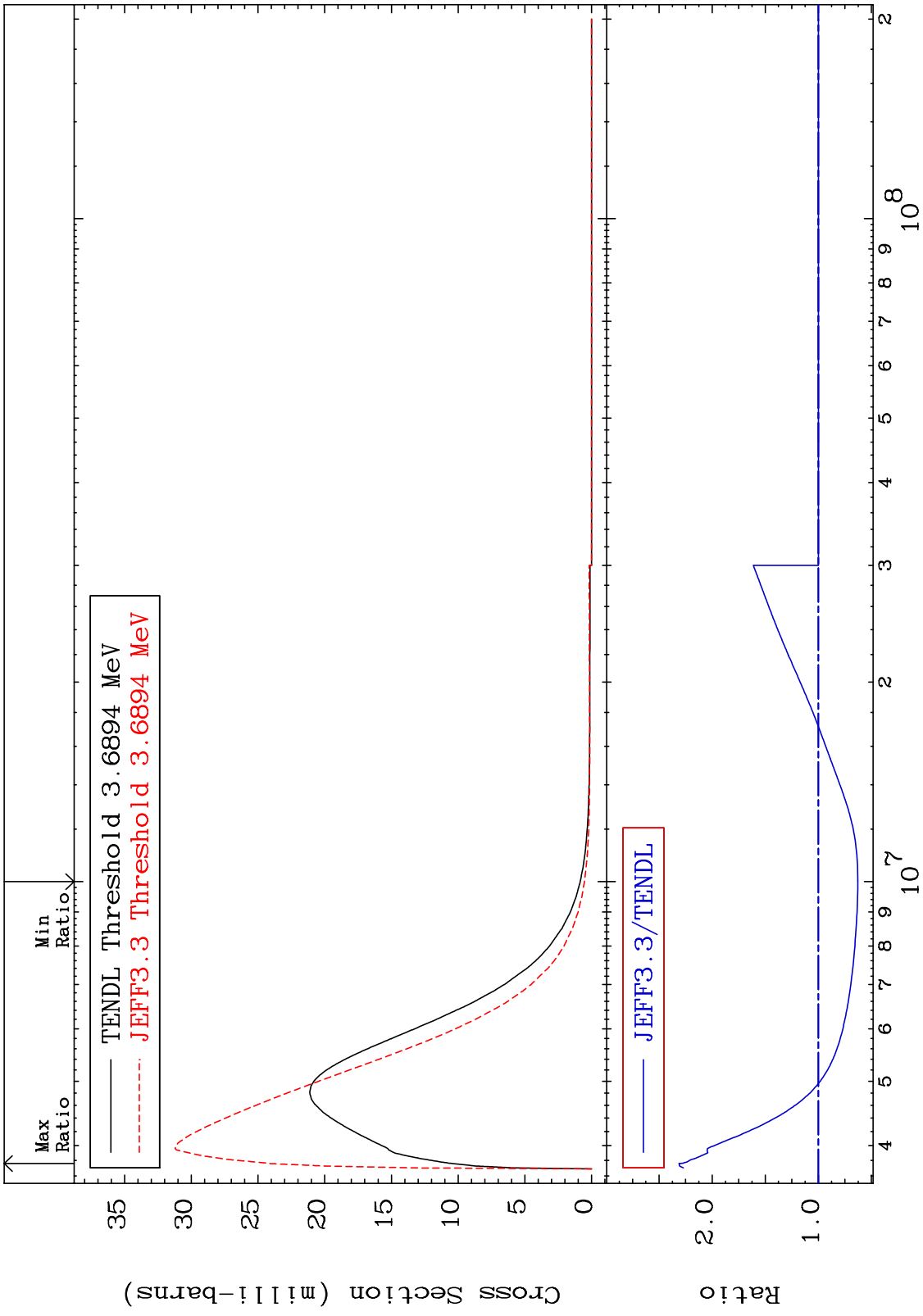
MAT 2225 MT= 65 (n,n') Level Cross Section -29.09 To 0.158 % 22-Ti-46



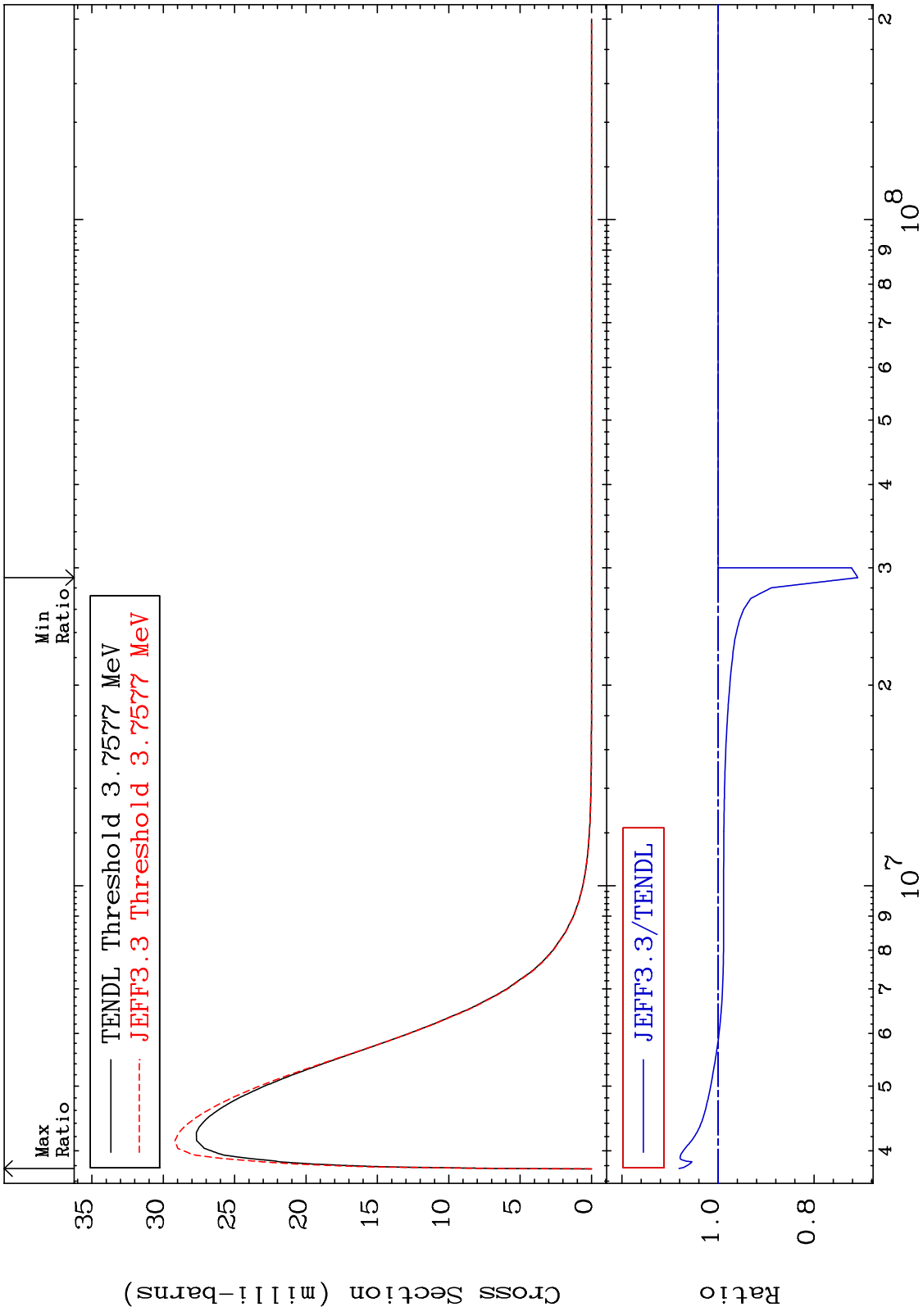
MAT 2225 MT= 66 (n,n') Level Cross Section 22-Ti-46
 -0.906 To 7.171 %



MAT 2225 MT= 67 (n,n') Level Cross Section -37.20 To 131.2 % 22-Ti-46



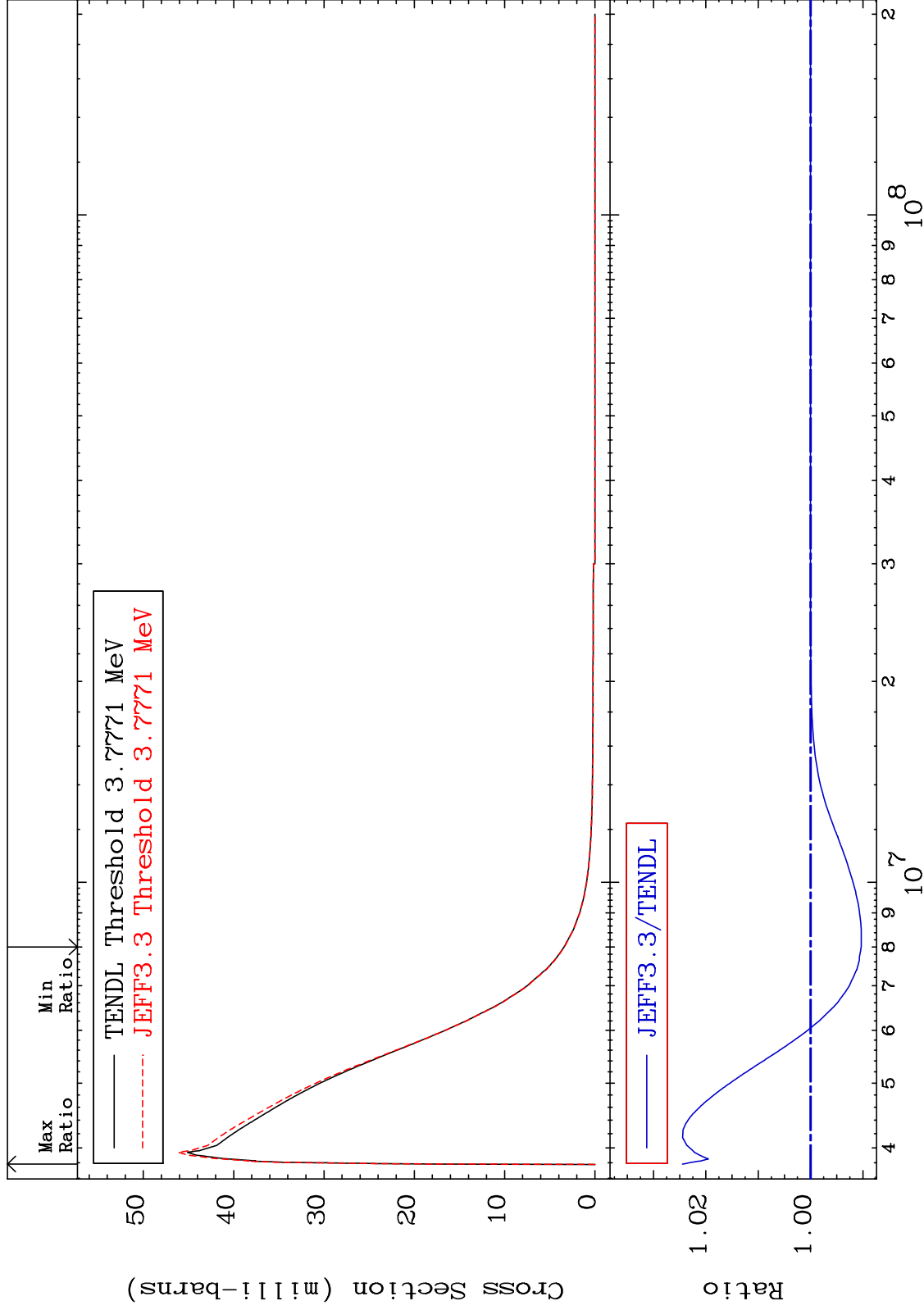
MAT 2225 MT= 68 (n,n') Level Cross Section -29.09 To 8.126 % 22-Ti-46



MAT 2225

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

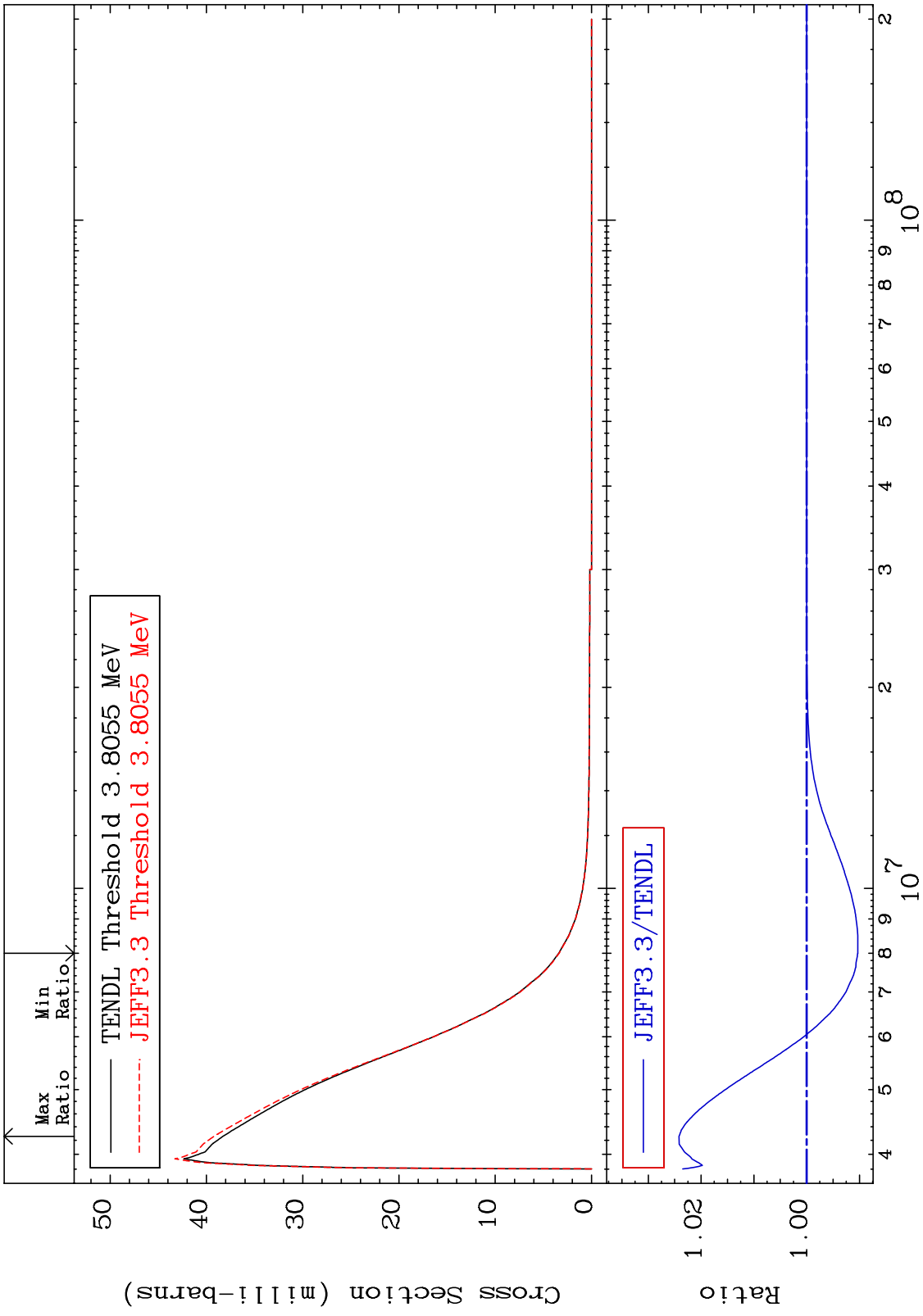
22-Ti-46
-0.969 To 2.448 %



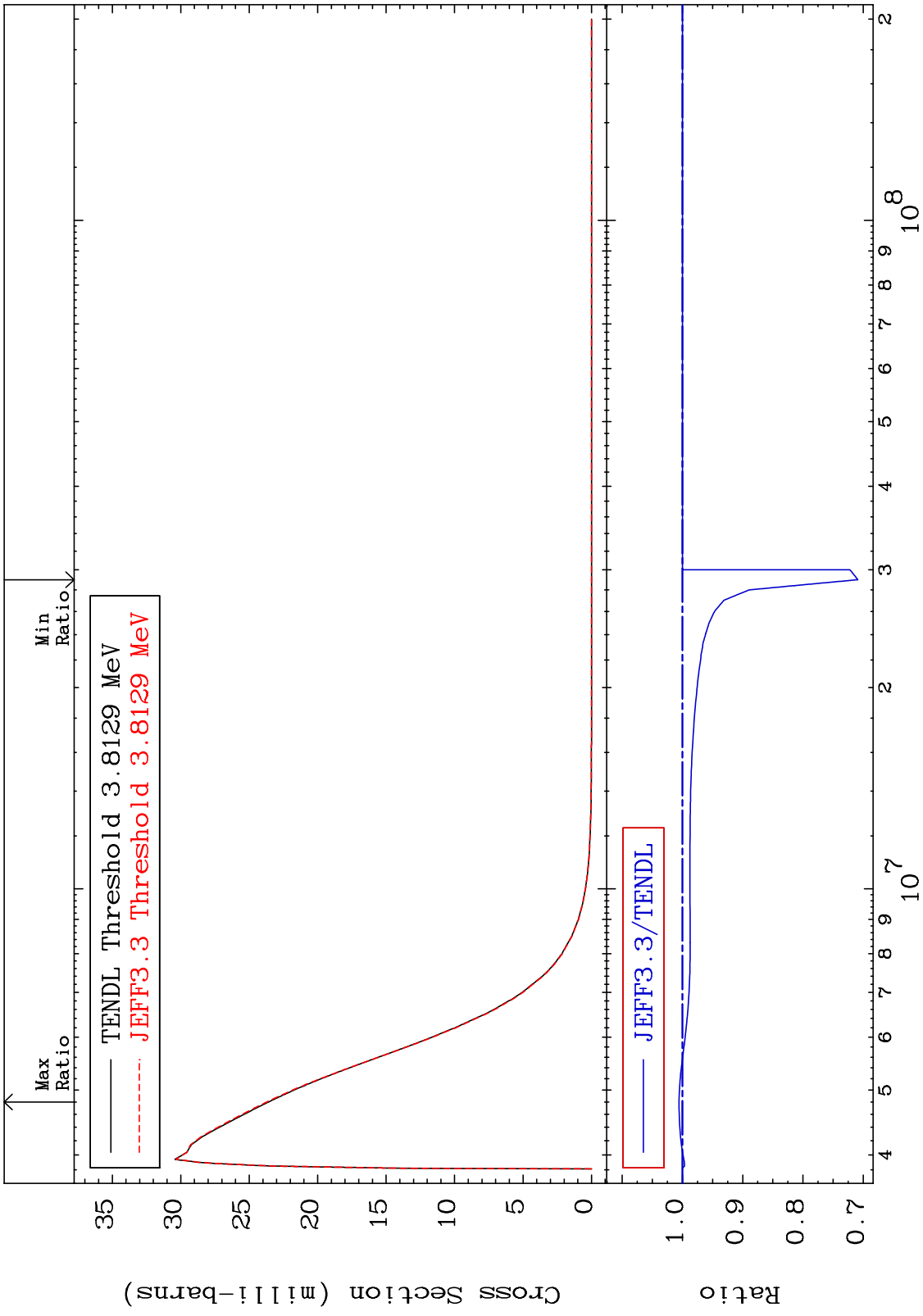
35

22-Ti-46

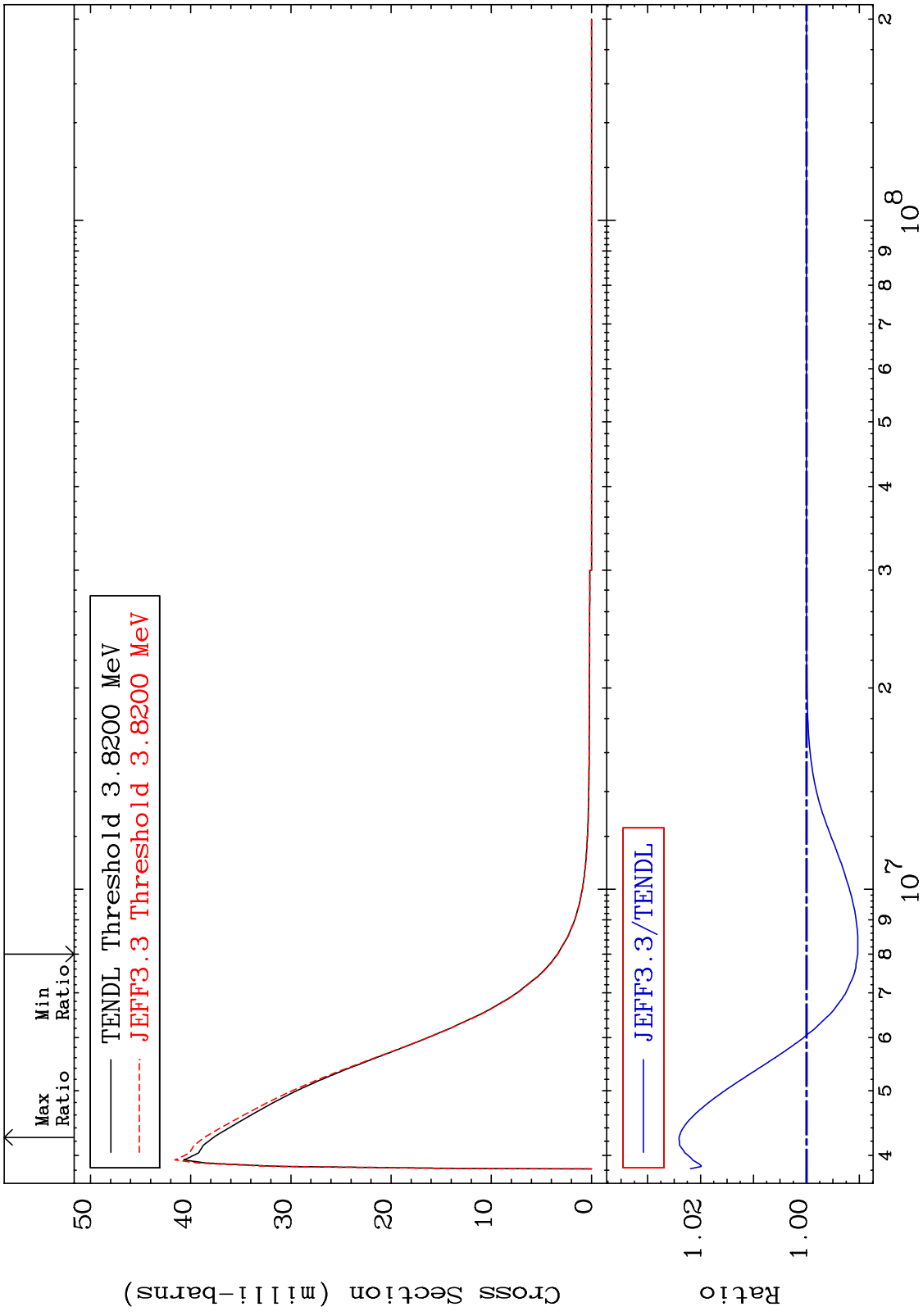
MAT 2225 MT= 70 (n,n') Level Cross Section 22-Ti-46
 -0.970 To 2.417 %



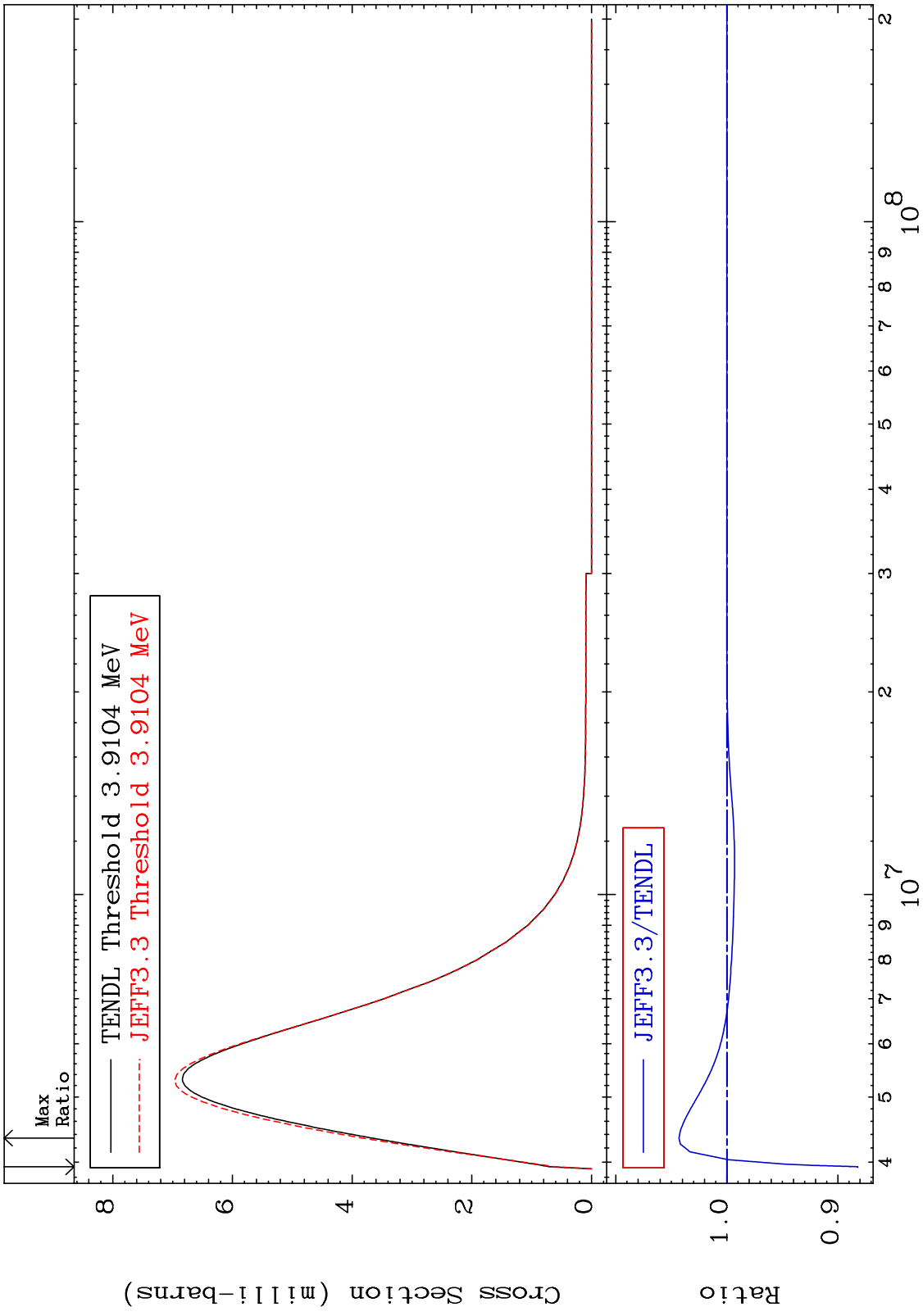
MAT 2225 MT= 71 (n,n') Level Cross Section 22-Ti-46
 -29.09 To 0.557 %



MAT 2225 MT= 72 (n,n') Level Cross Section -0.970 To 2.406 % 22-Ti-46

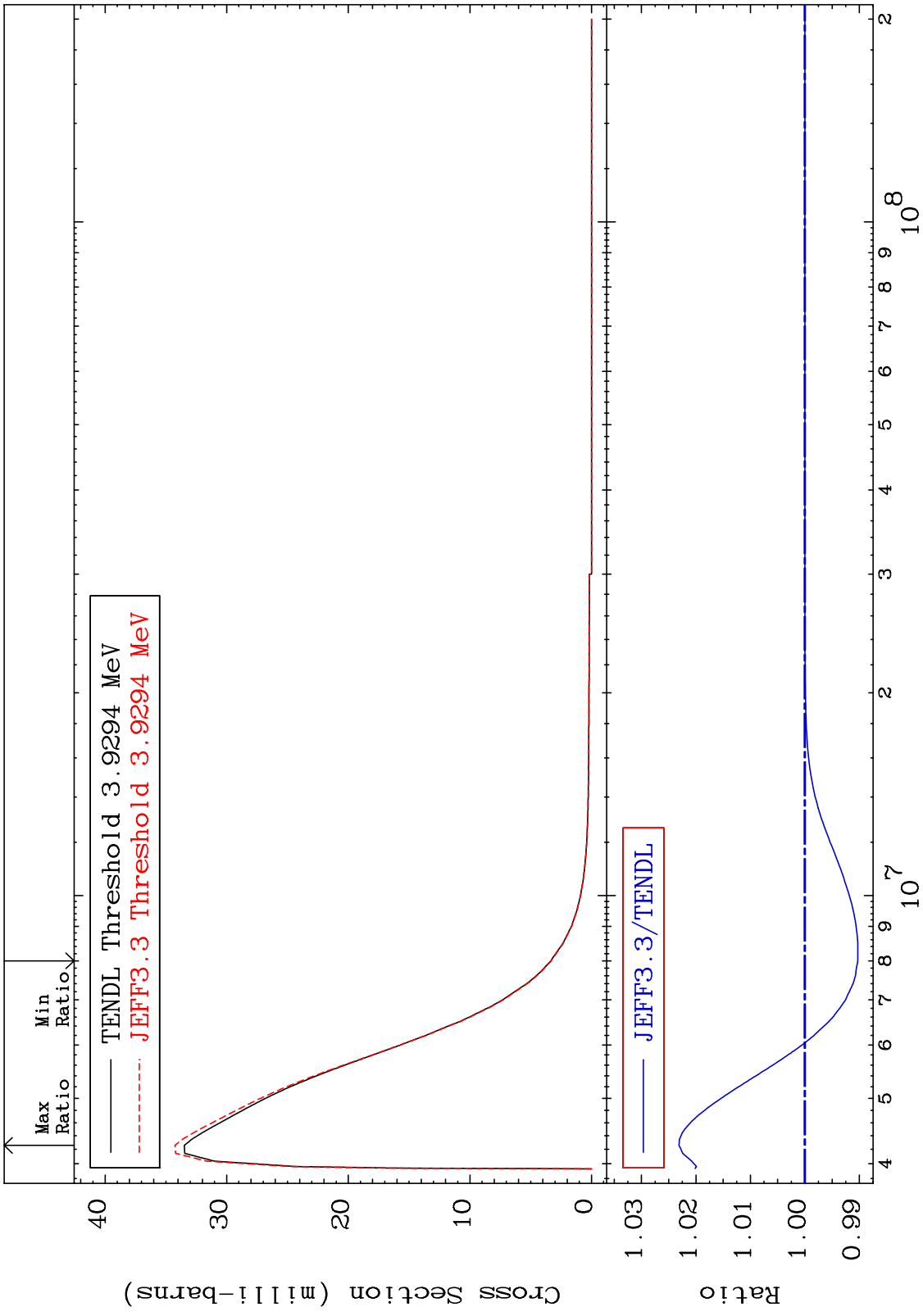


MAT 2225 MT= 74 (n,n') Level Cross Section -11.80 To 4.308 % 22-Ti-46

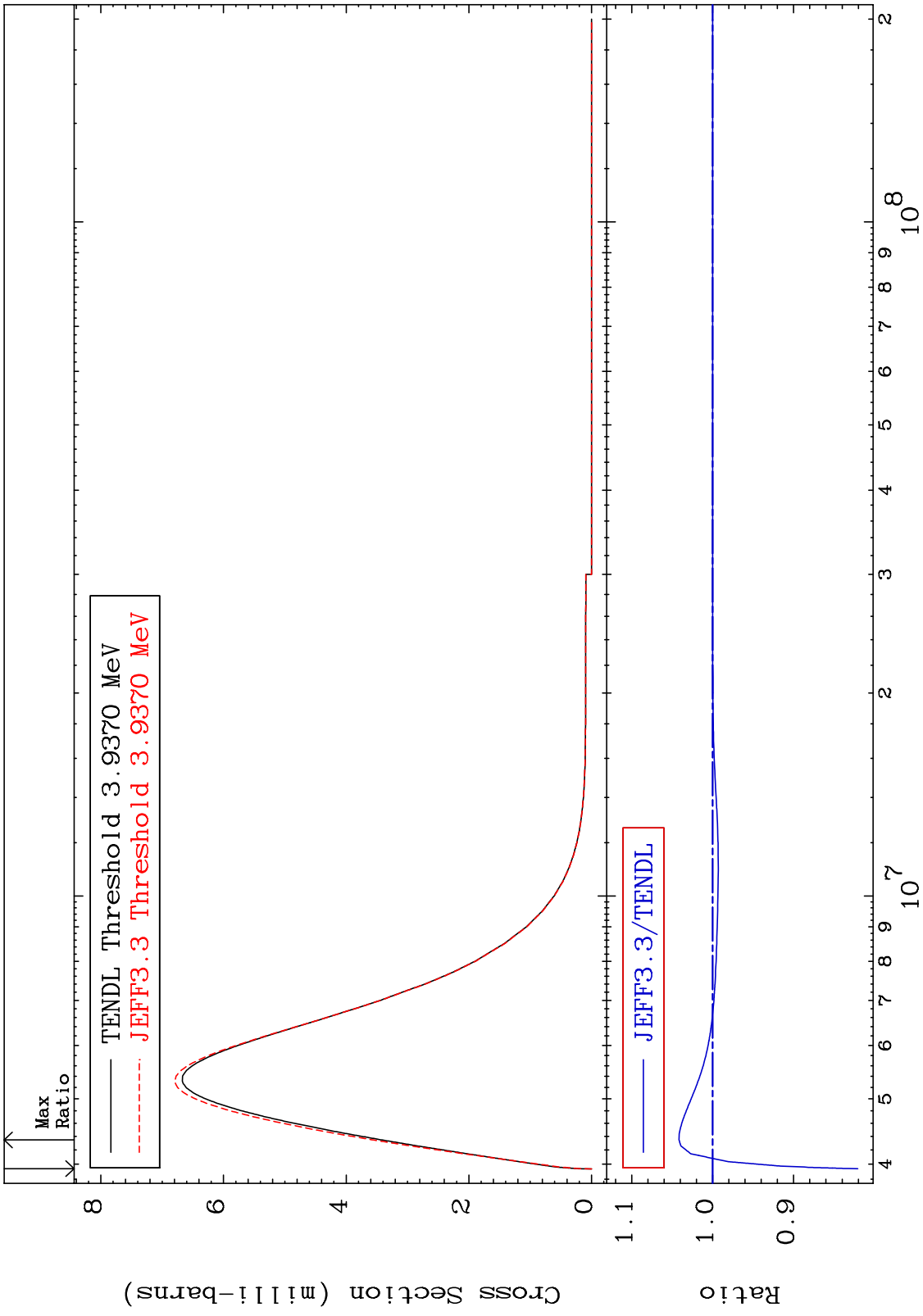


40 22-Ti-46

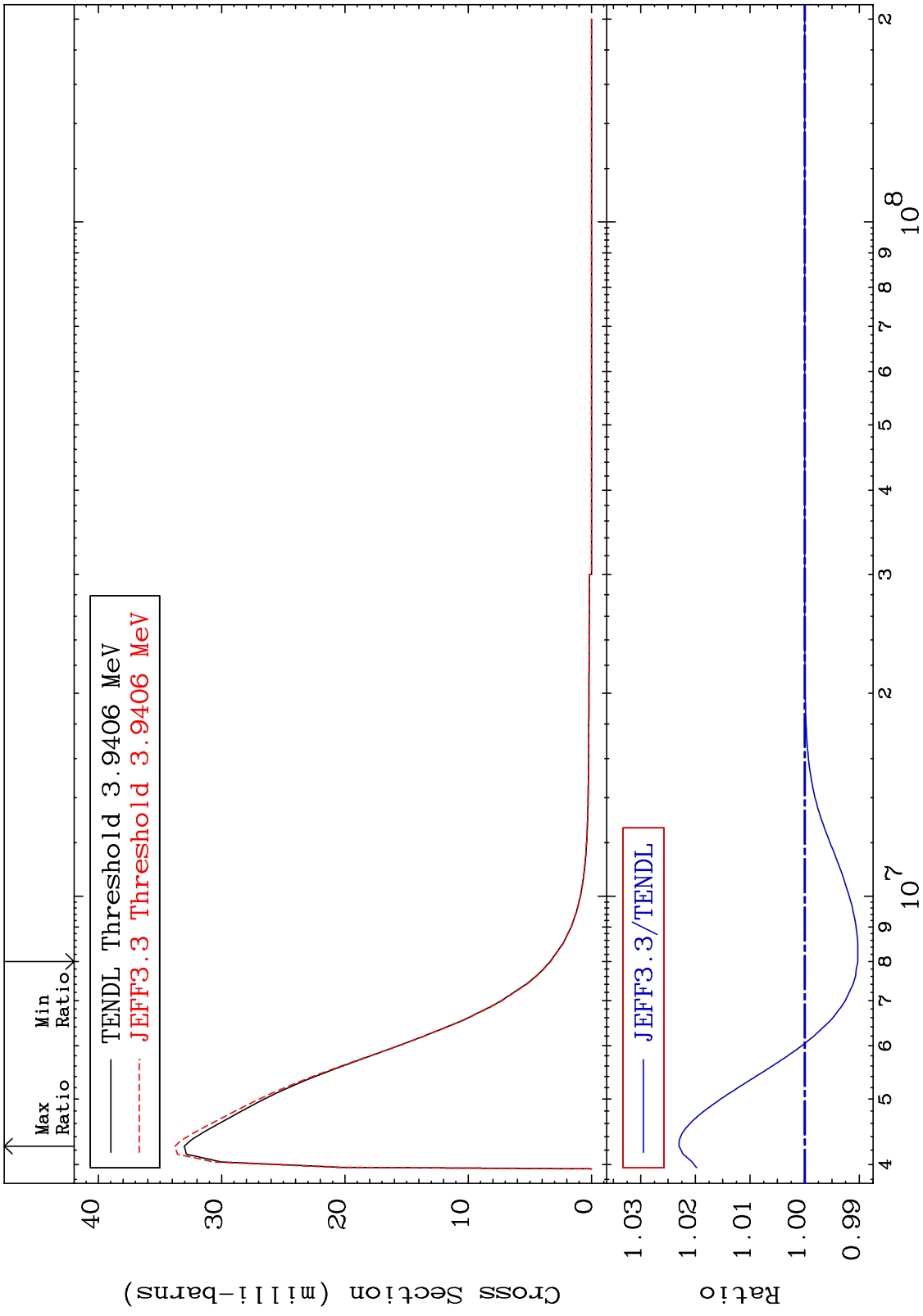
MAT 2225 MT= 75 (n,n') Level Cross Section -0.972 To 2.310 % 22-Ti-46



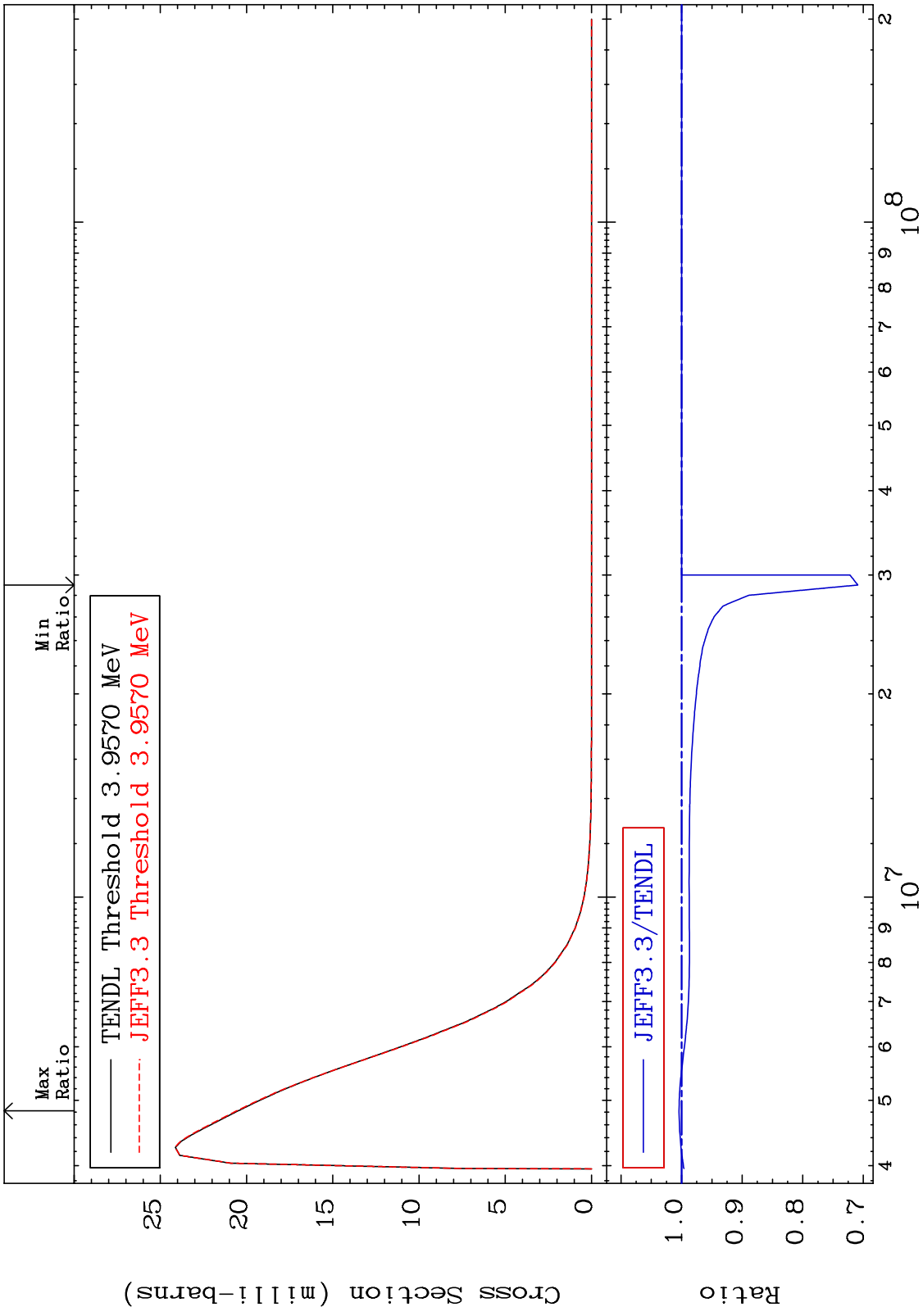
MAT 2225 MT= 77 (n,n') Level Cross Section -17.94 To 4.151 % 22-Ti-46



MAT 2225 MT= 78 (n,n') Level Cross Section -0.973 To 2.300 % 22-Ti-46



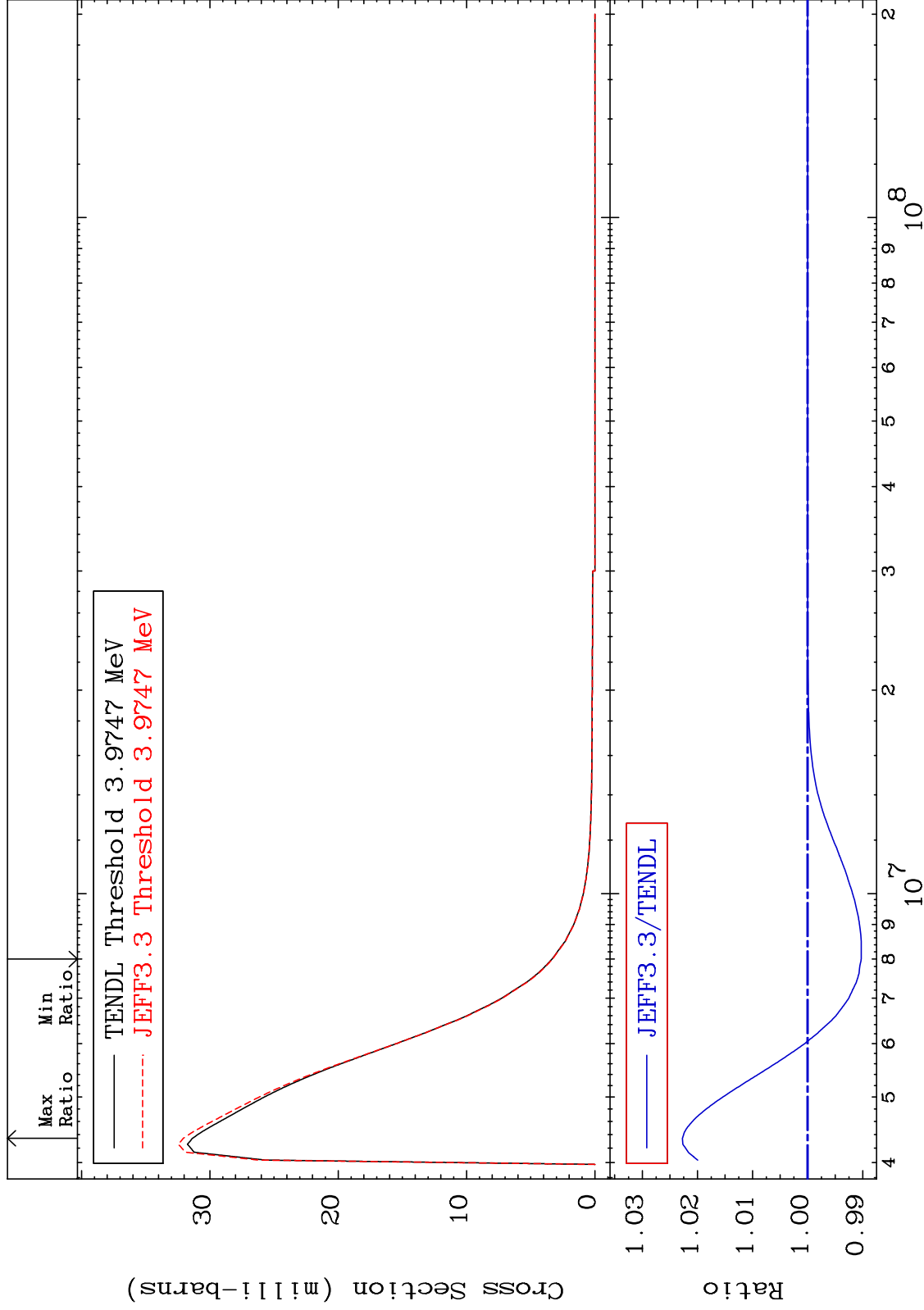
MAT 2225 MT= 79 (n,n') Level Cross Section 22-Ti-46
 -29.09 To 0.424 %



MAT 2225

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

22-Ti-46
-0.973 To 2.271 %

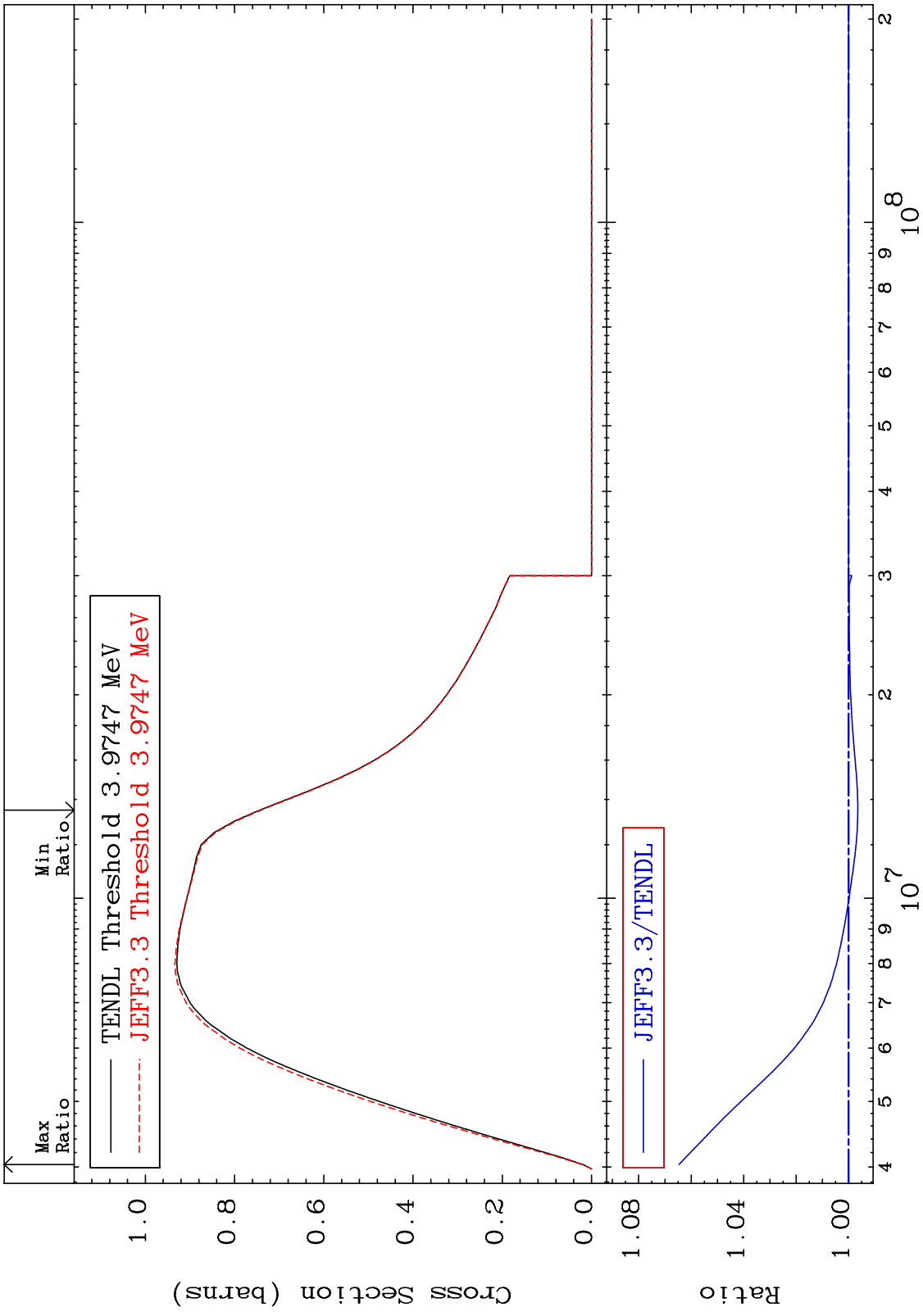


46

Incident Energy (eV)

22-Ti-46

MAT 2225 (n,n') Continuum Cross Section 22-Ti-46 -0.353 To 6.460 %



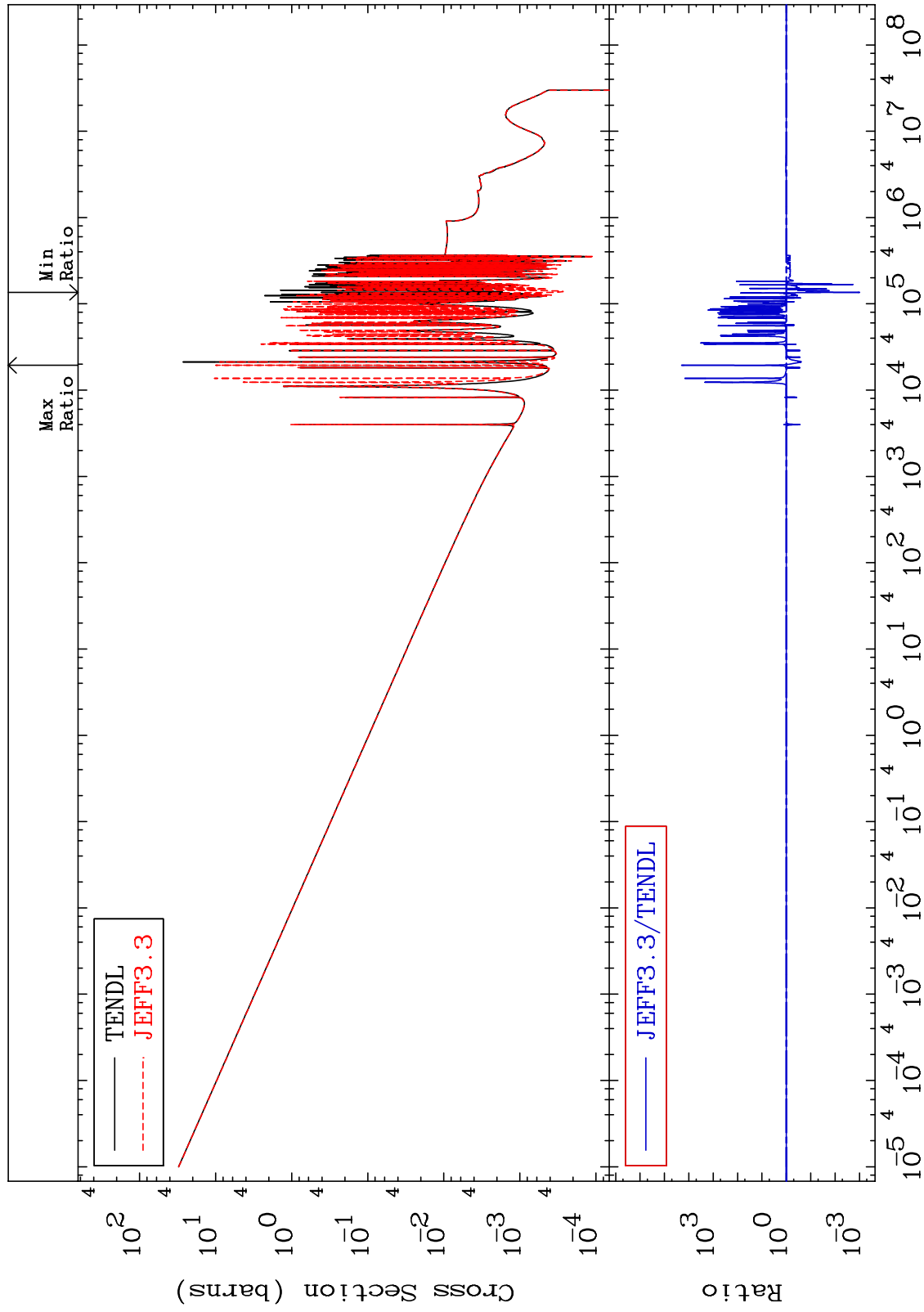
MAT 2225

(n, γ)

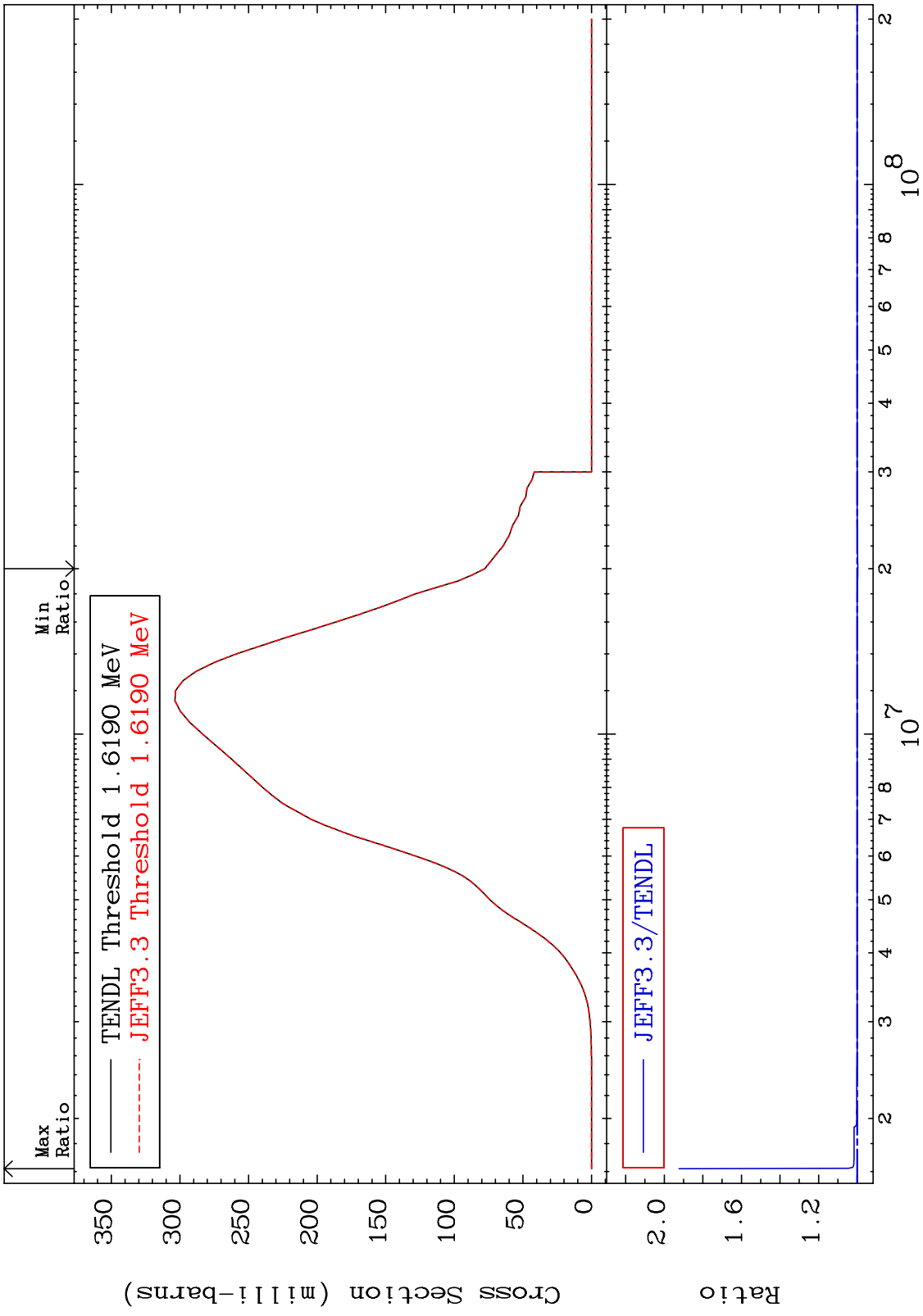
22-Ti-46

Cross Section

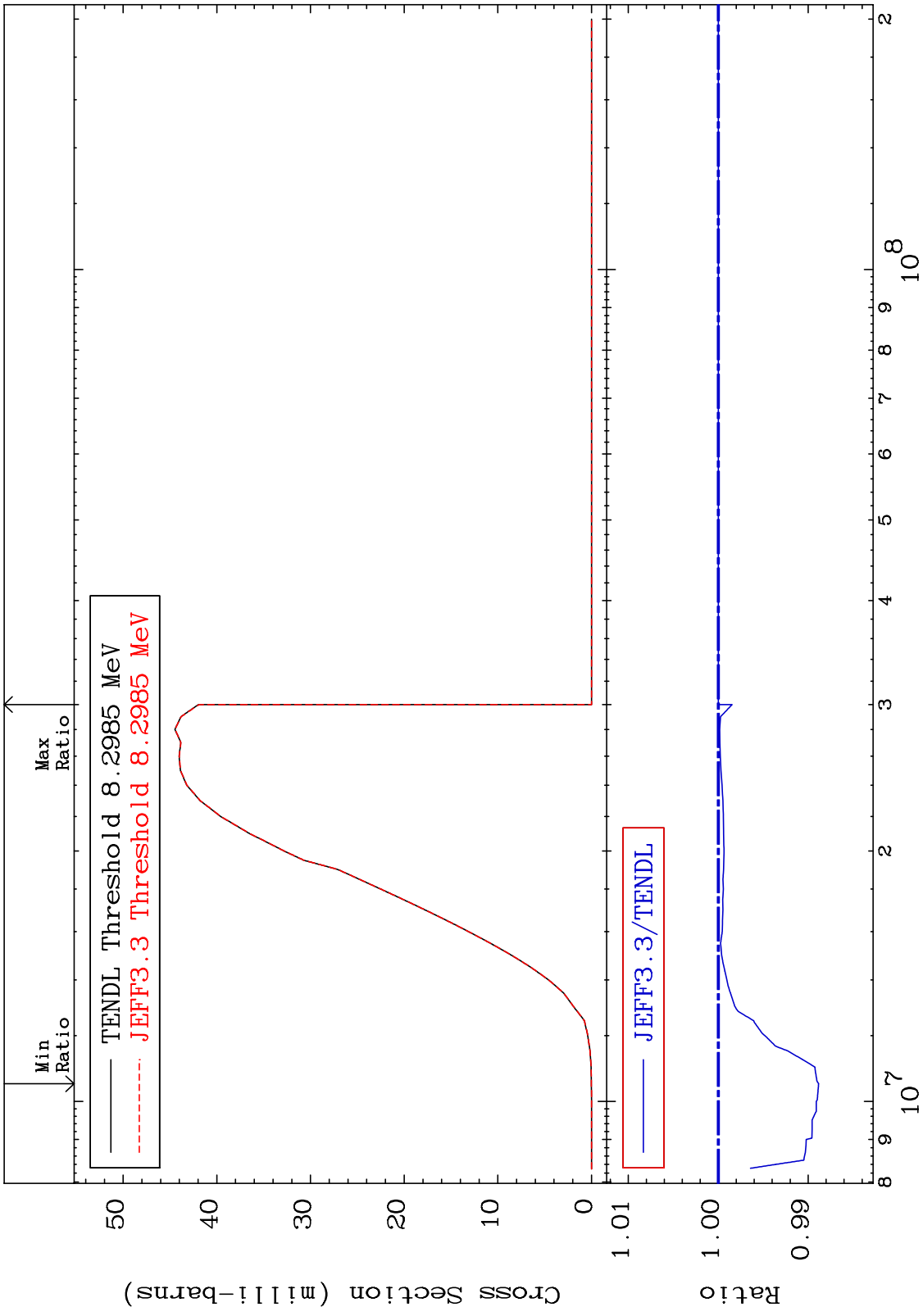
-99.90 To 9999. %



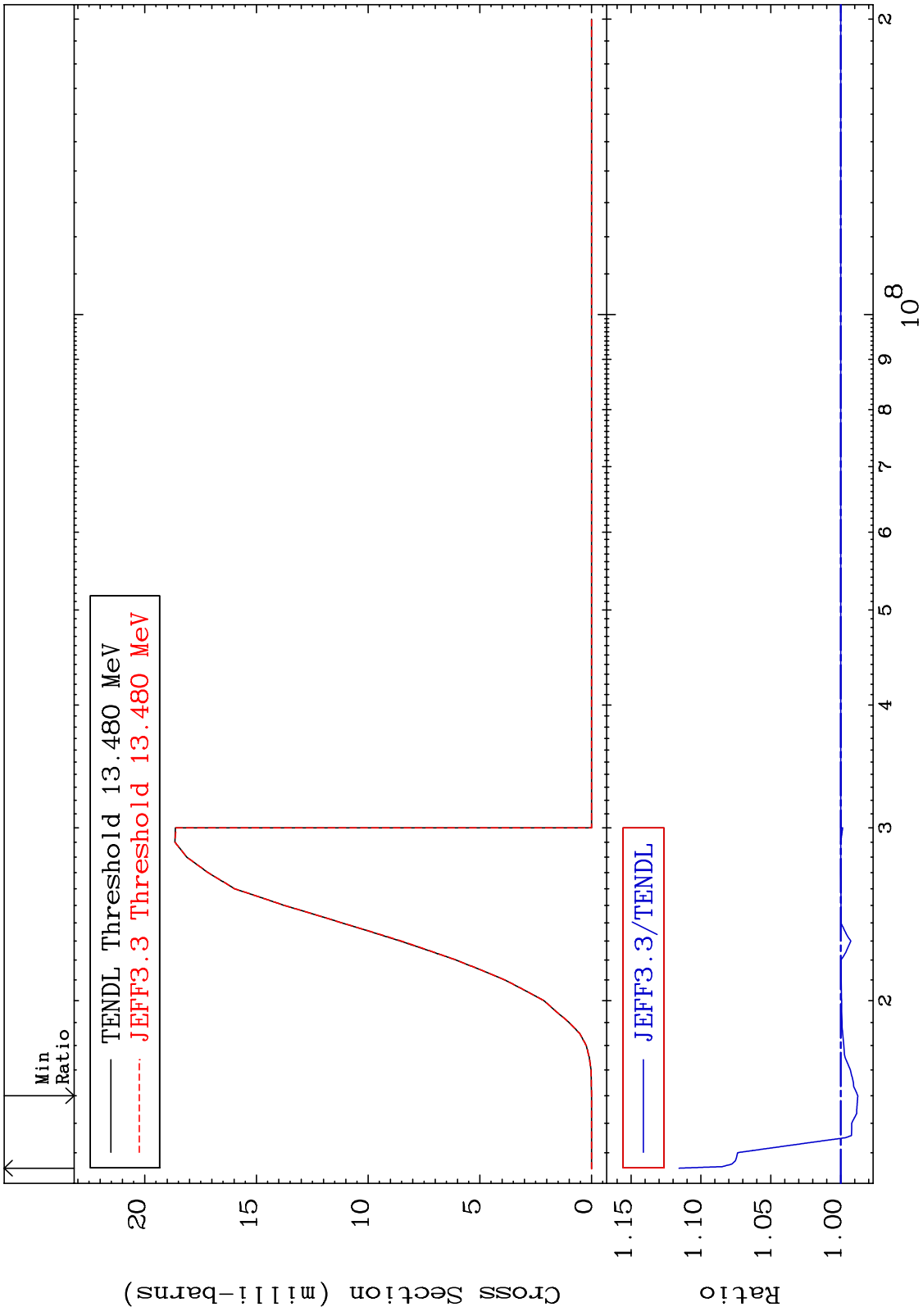
MAT 2225 (n,p) Cross Section 22-Ti-46
 -0.364 To 92.34 %



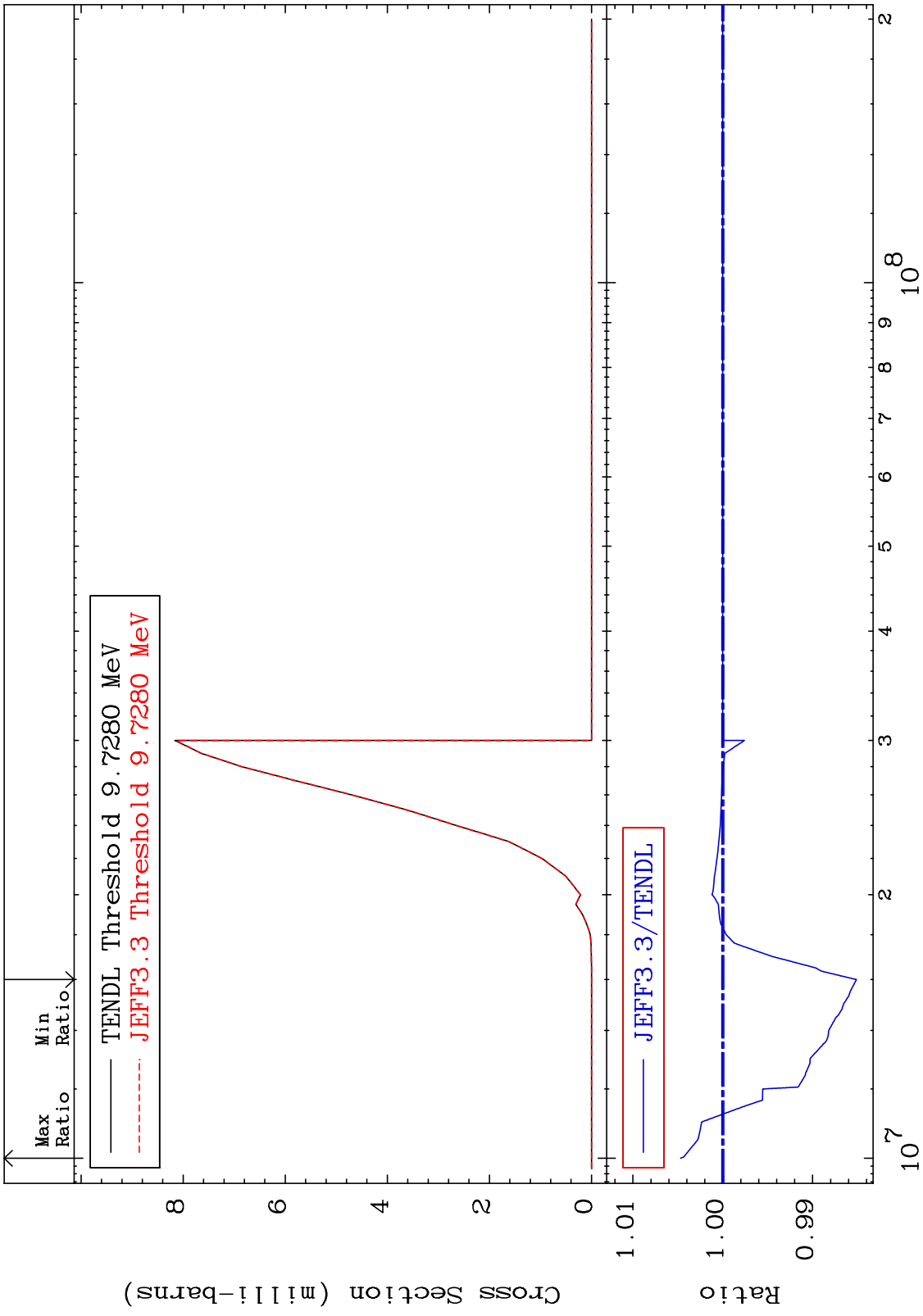
MAT 2225 (n,d) Cross Section 22-Ti-46 -1.117 To 0.000 %



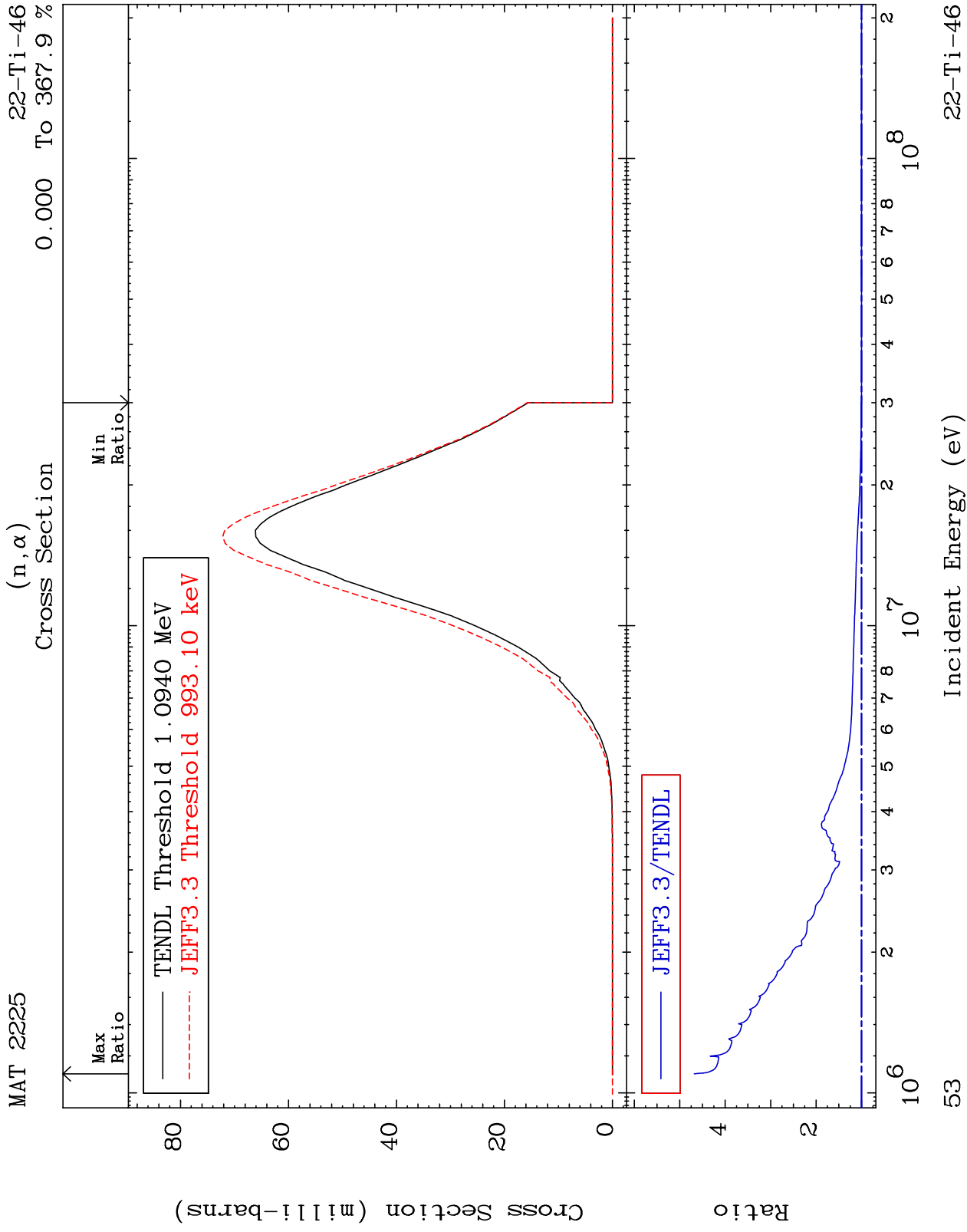
50 22-Ti-46



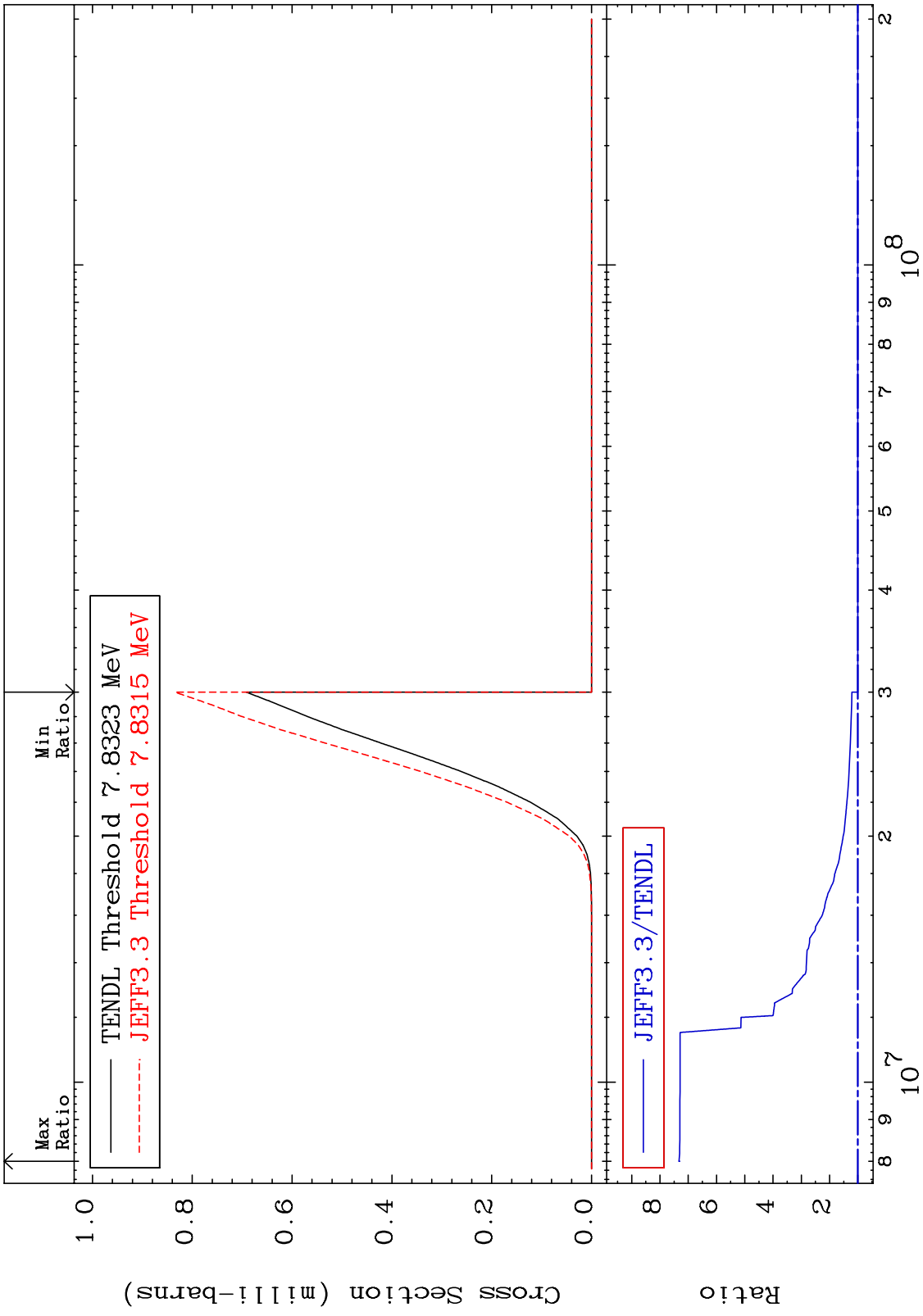
MAT 2225 (n, He-3) 22-Ti-46
 Cross Section -1.487 To 0.471 %



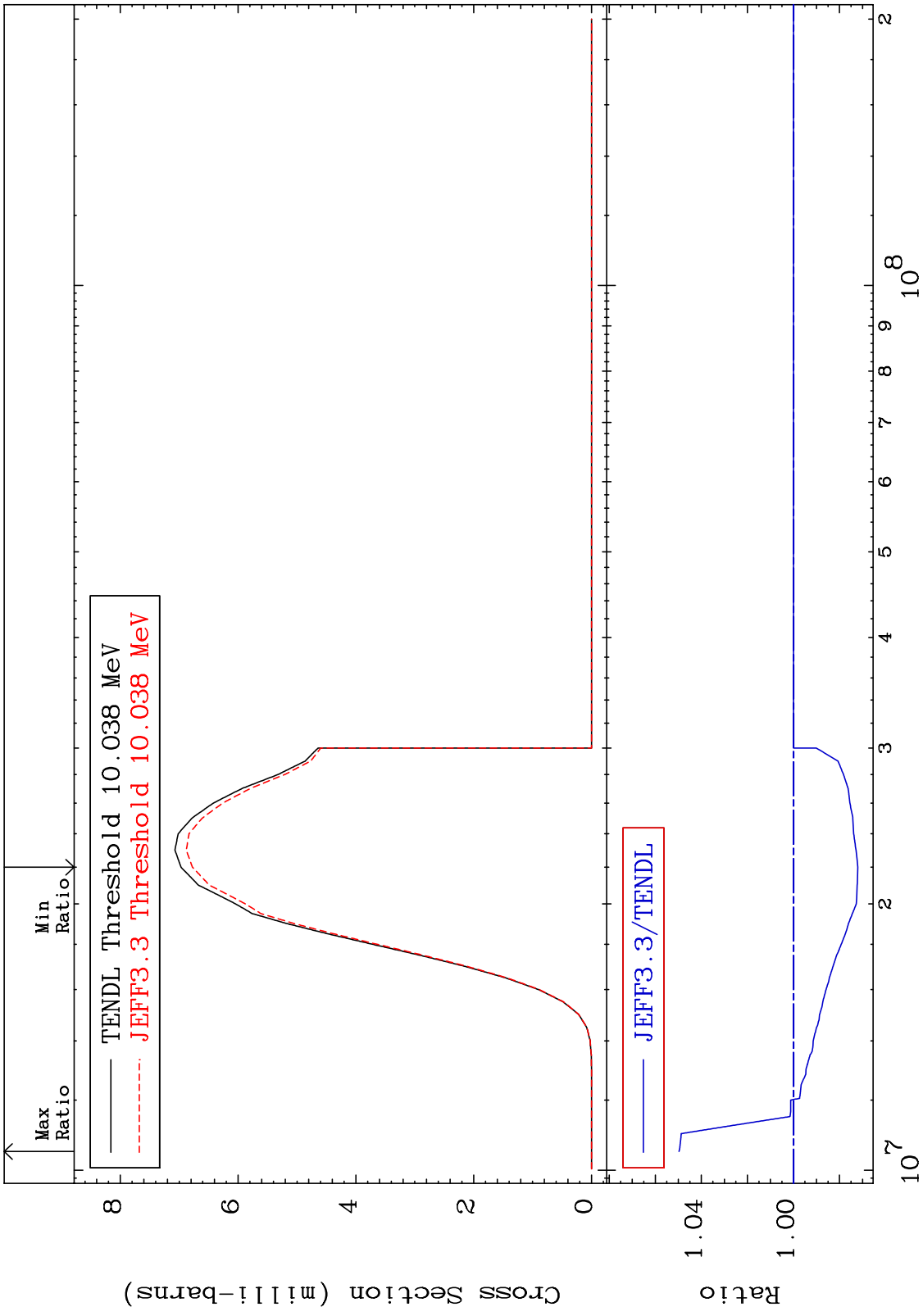
52 22-Ti-46



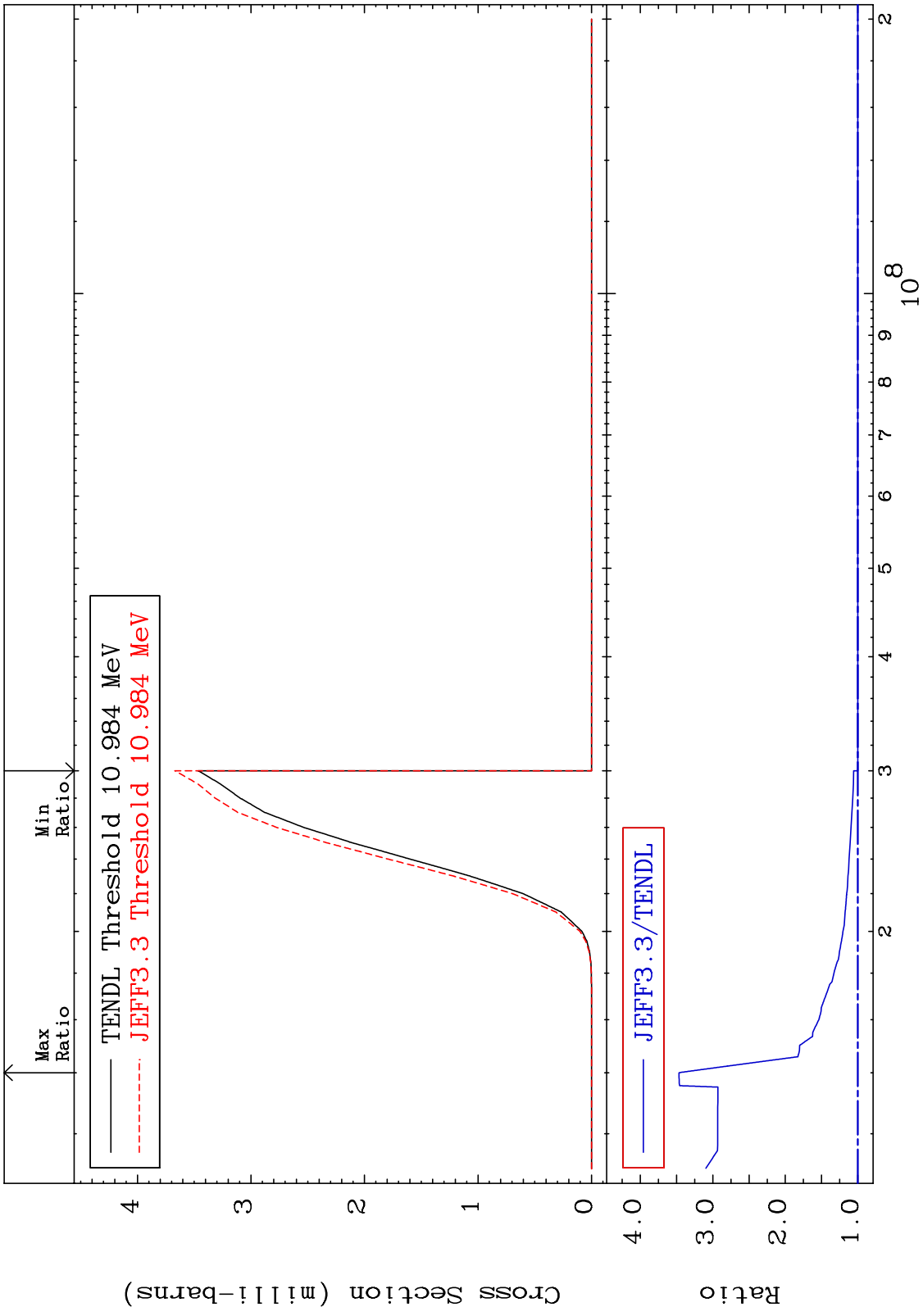
MAT 2225 $(n, 2\alpha)$ Cross Section 22-Ti-46 To 632.4 %



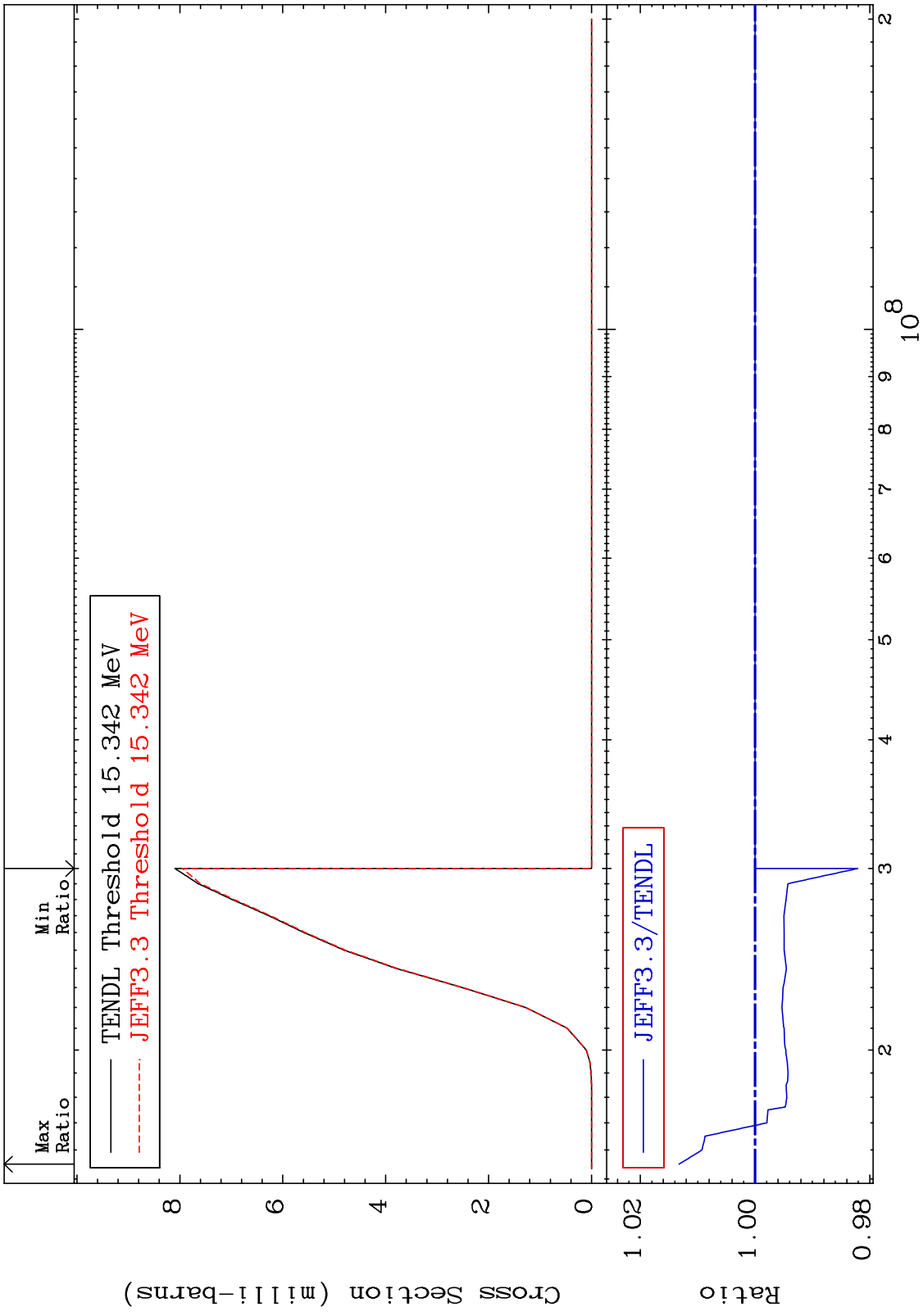
MAT 2225 (n,2p) Cross Section 22-Ti-46
-2.795 To 4.967 %



MAT 2225 (n,p) α 22-Ti-46
 Cross Section 0.000 To 246.6 %

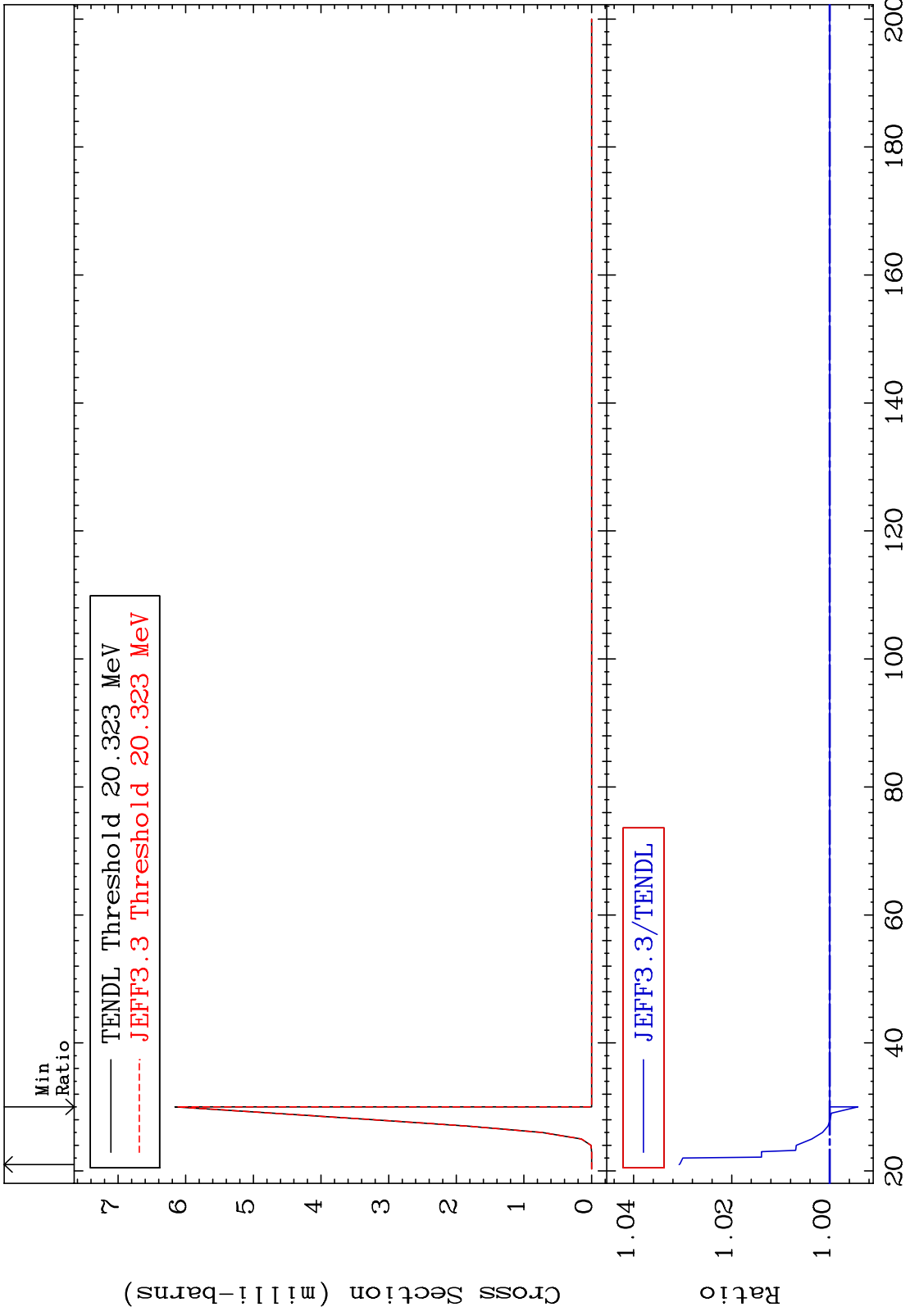


MAT 2225 (n,p) d 22-Ti-46
 Cross Section -1.792 To 1.326 %

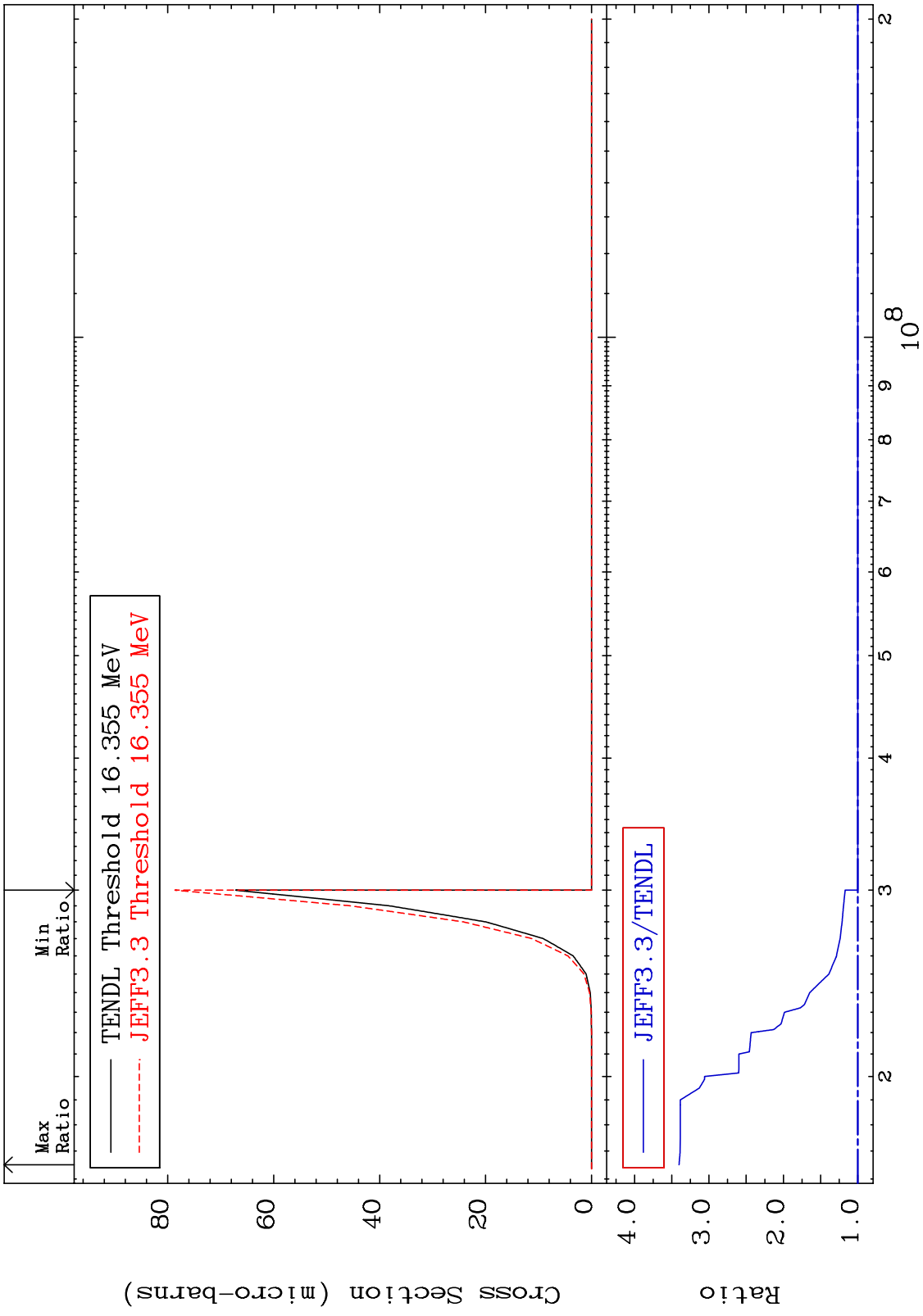


57 22-Ti-46

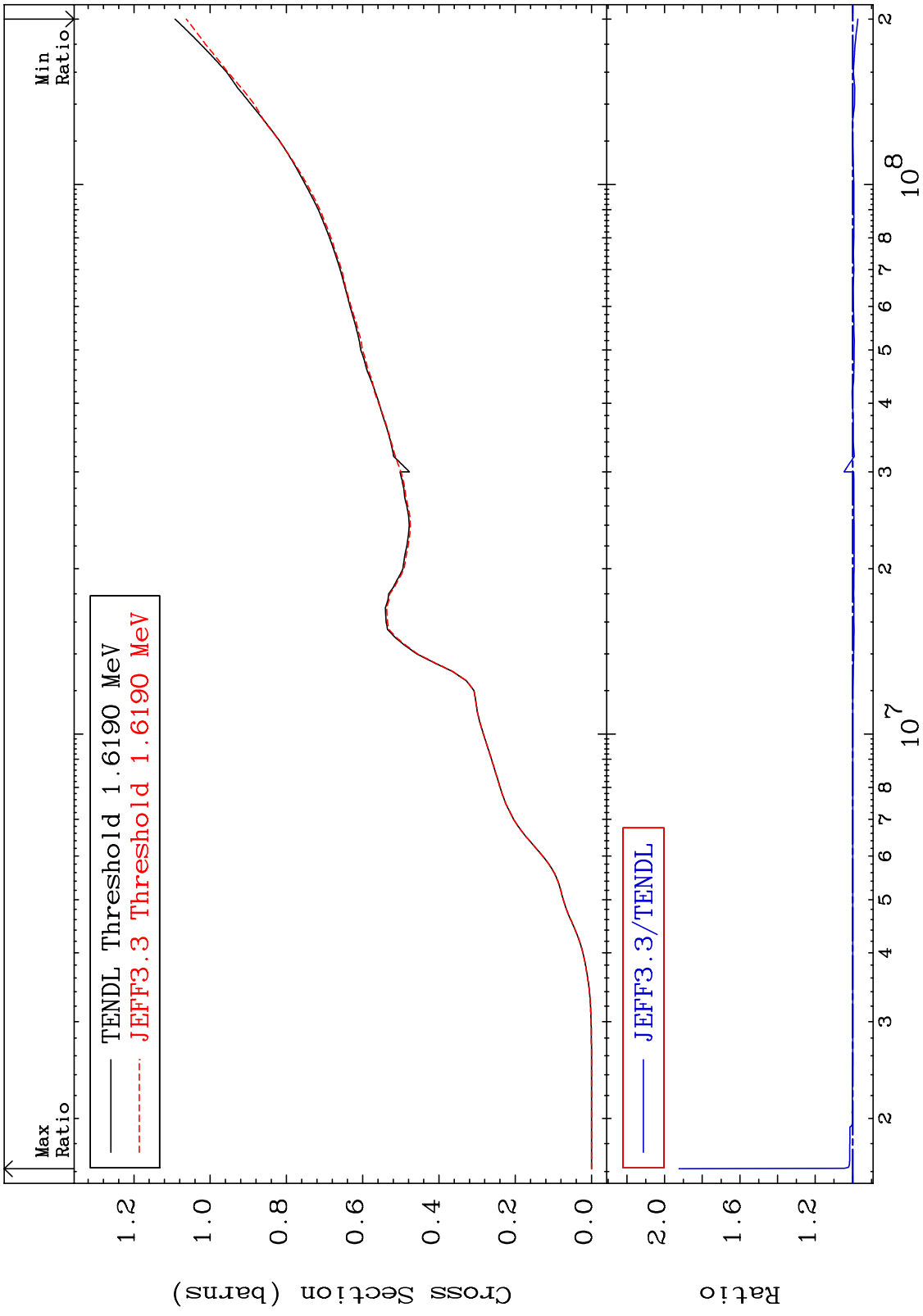
MAT 2225 (n,p) t 22-Ti-46
Cross Section -0.576 To 3.073 %



MAT 2225 (n,d) α 22-Ti-46
 Cross Section 0.000 To 240.2 %

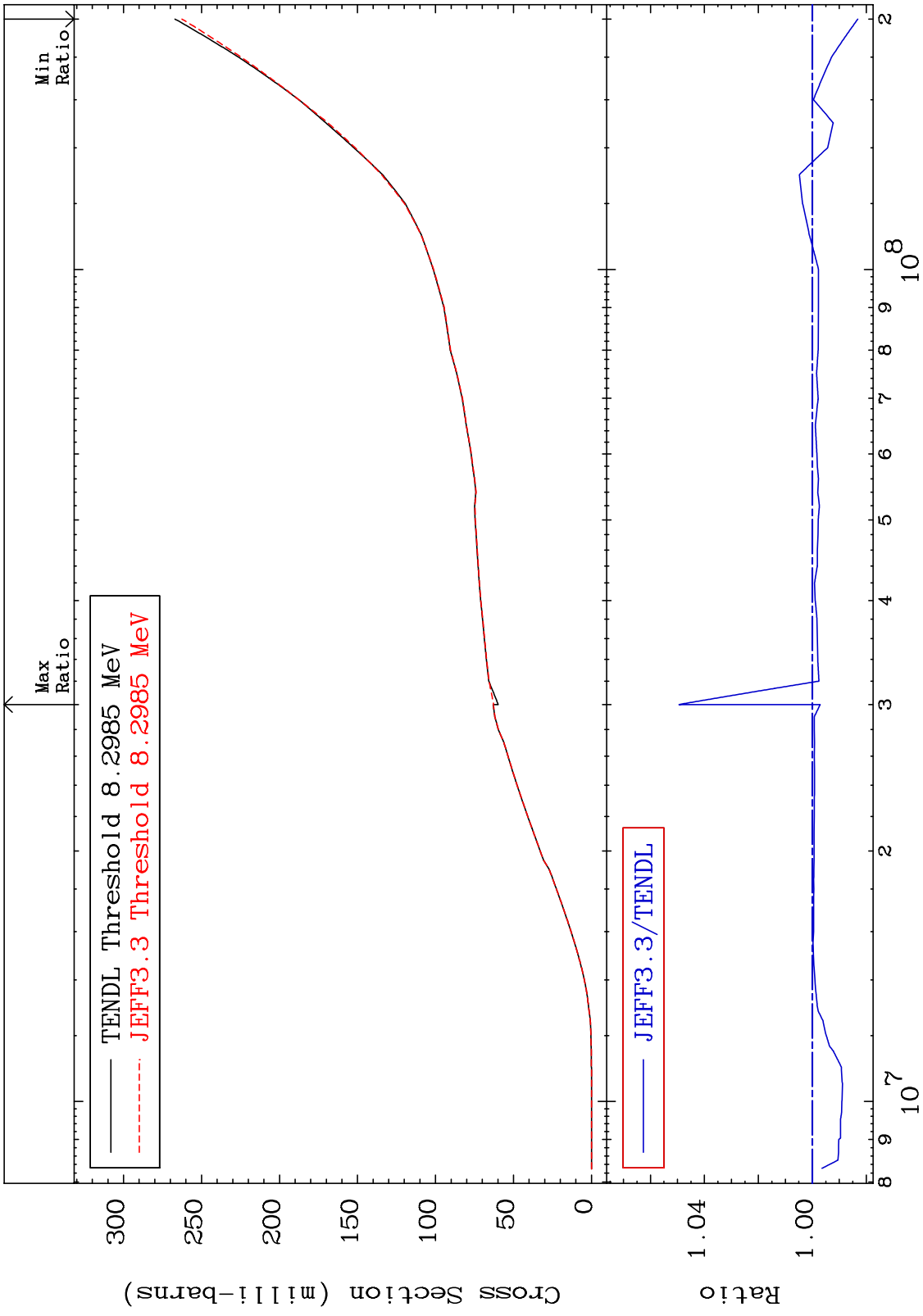


MAT 2225 Hydrogen Production Cross Section 22-Ti-46
-2.708 To 92.34 %

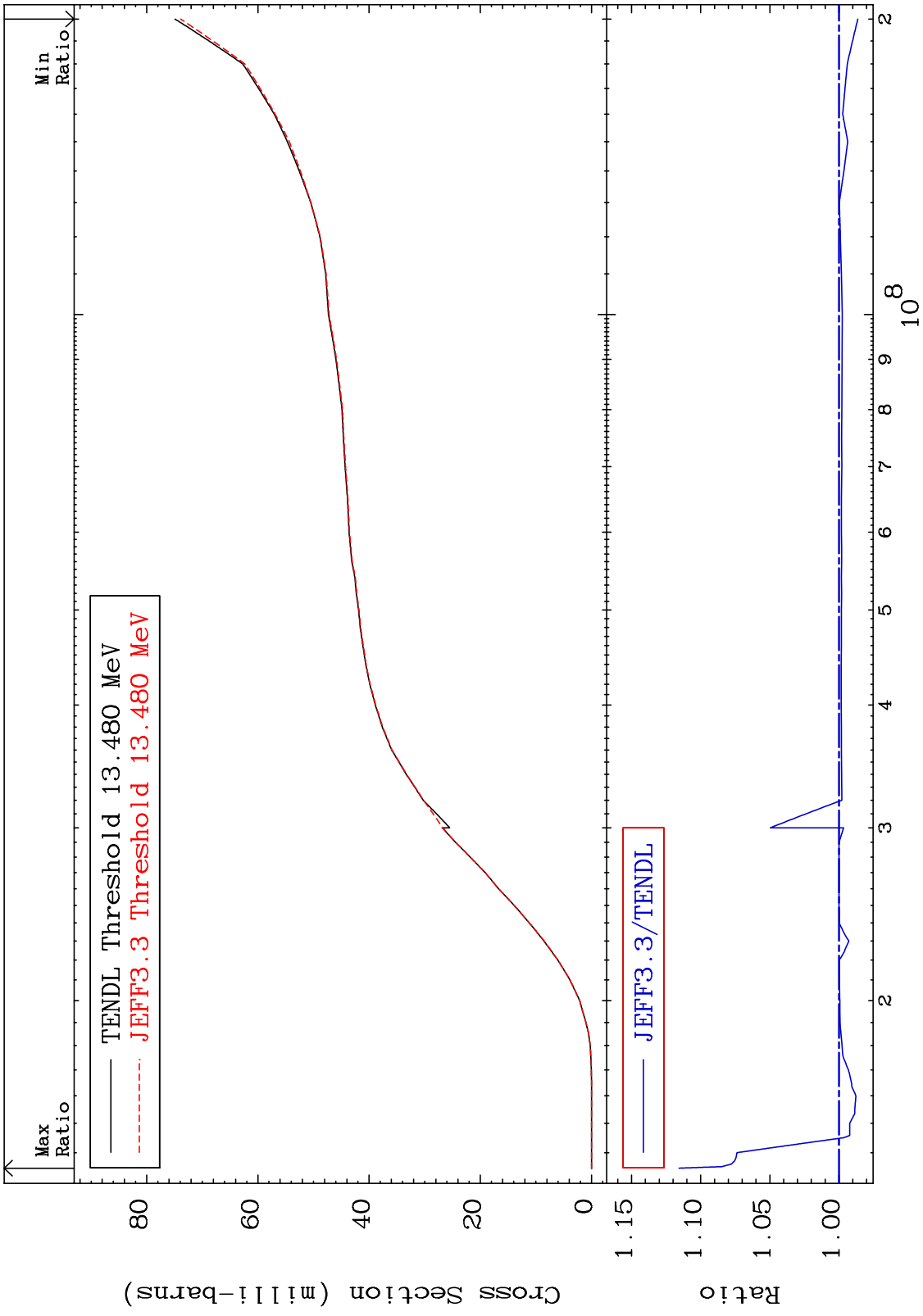


60 22-Ti-46

MAT 2225 Deuterium Production Cross Section -1.687 To 4.942 % 22-Ti-46



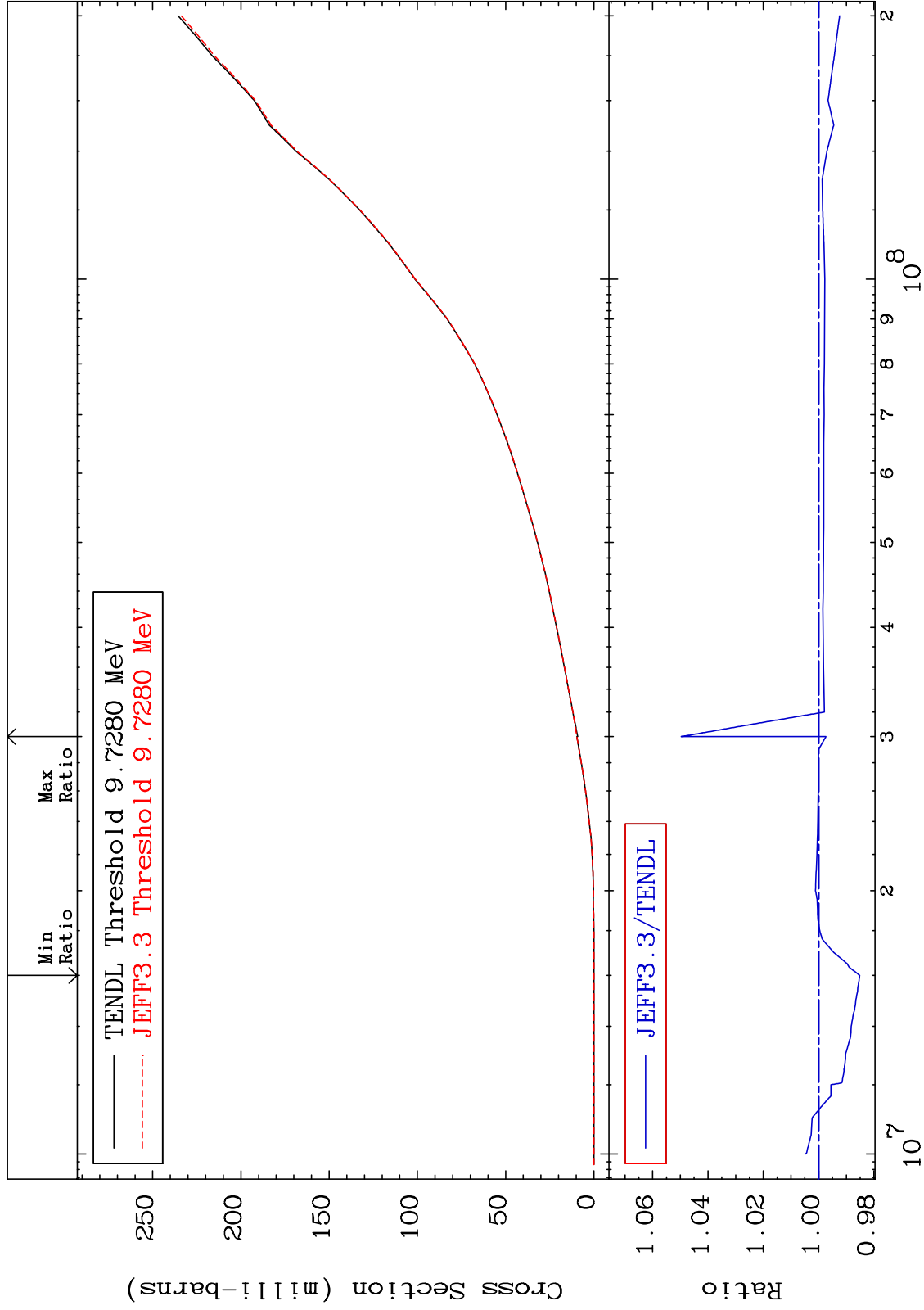
MAT 2225 Tritium Production Cross Section -1.365 To 11.57 % 22-Ti-46



MAT 2225

He-3 Production
Cross Section

22-Ti-46
-1.487 To 4.967 %

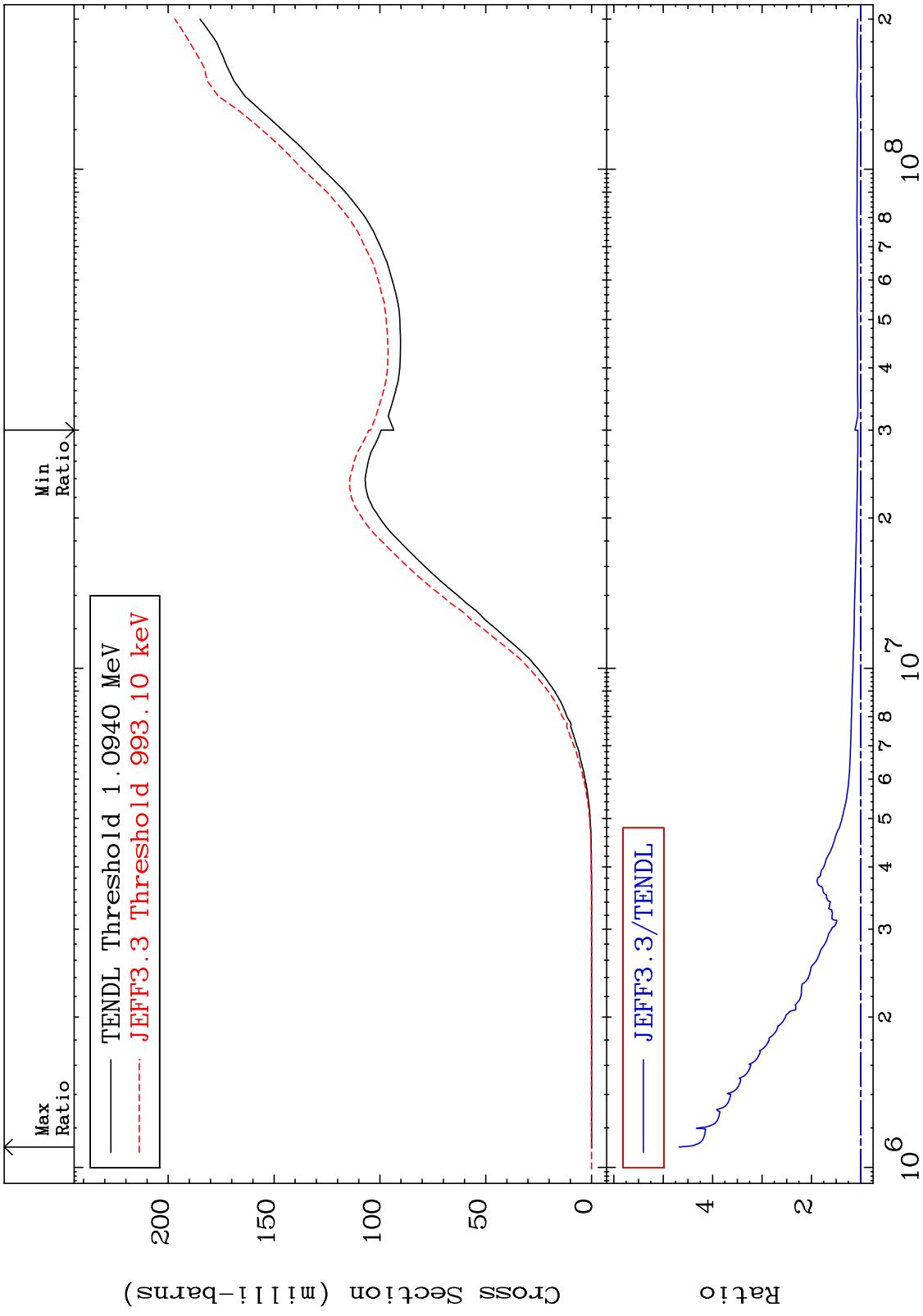


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Incident Energy (eV)

22-Ti-46

MAT 2225 He-4 Production Cross Section 22-Ti-46 5.884 To 367.9 %

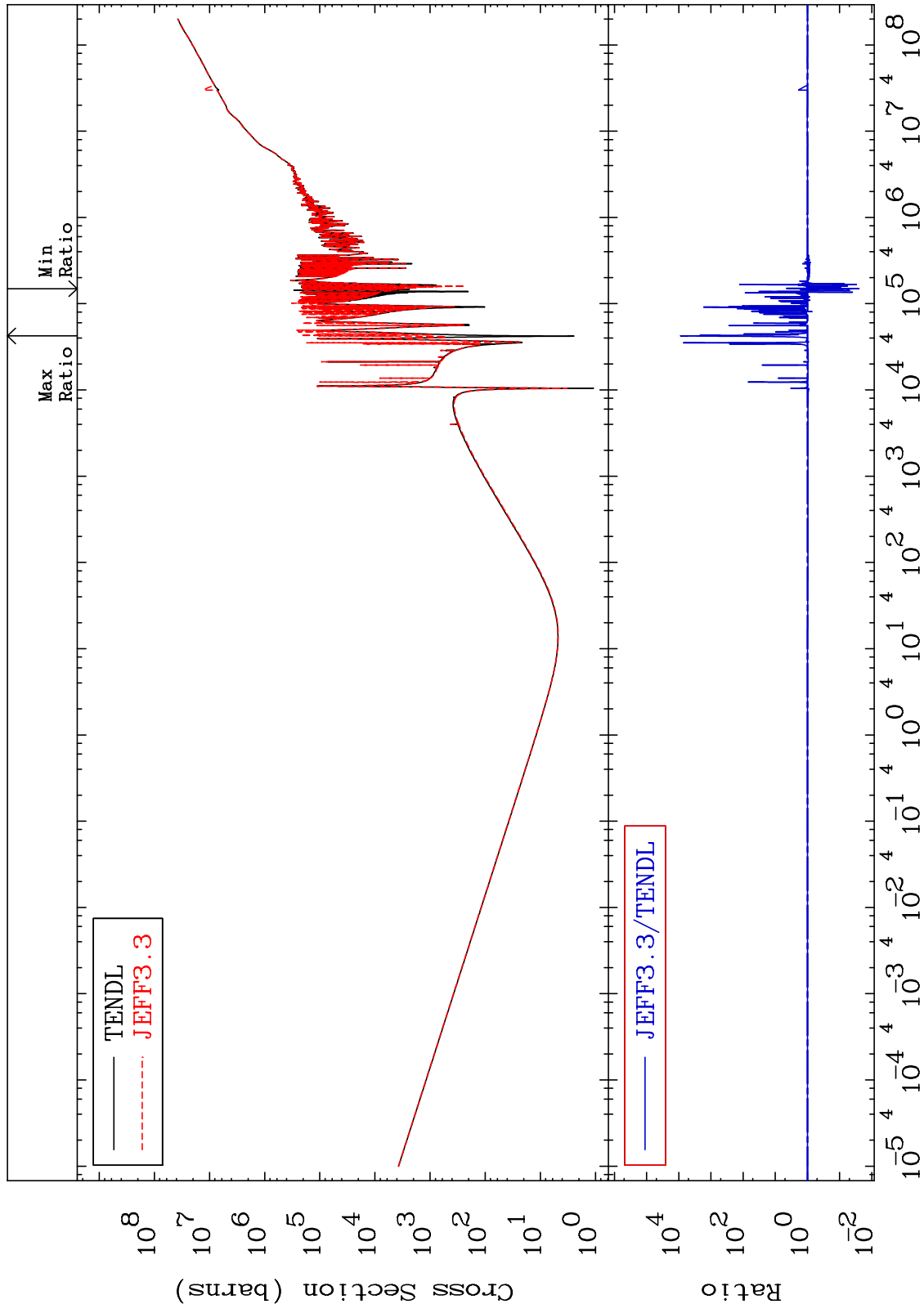


64 22-Ti-46

MAT 2225

Kerma total (eV-barns)
Cross Section

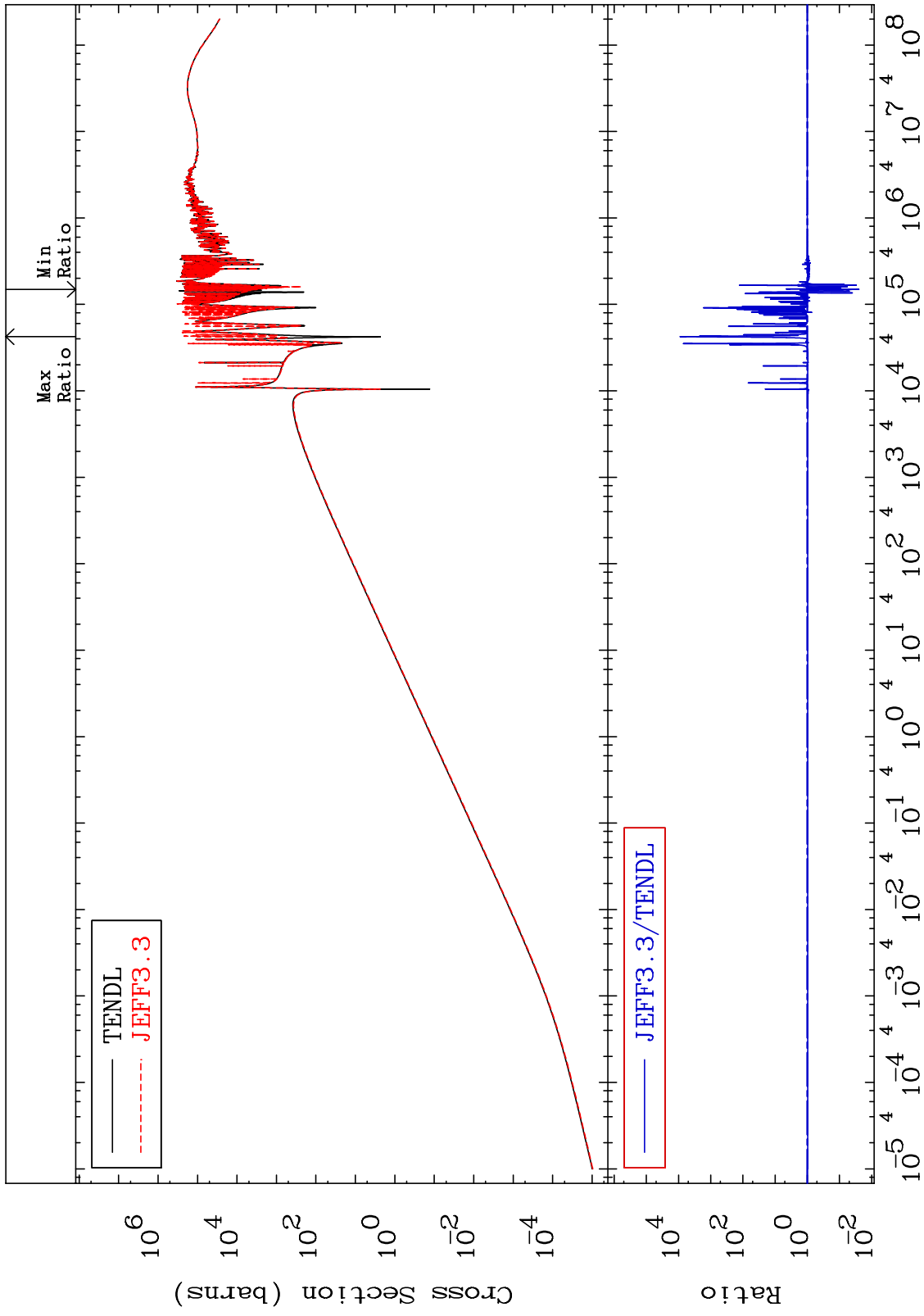
22-Ti-46
-97.50 To 9999. %



MAT 2225

Kerma elastic
Cross Section

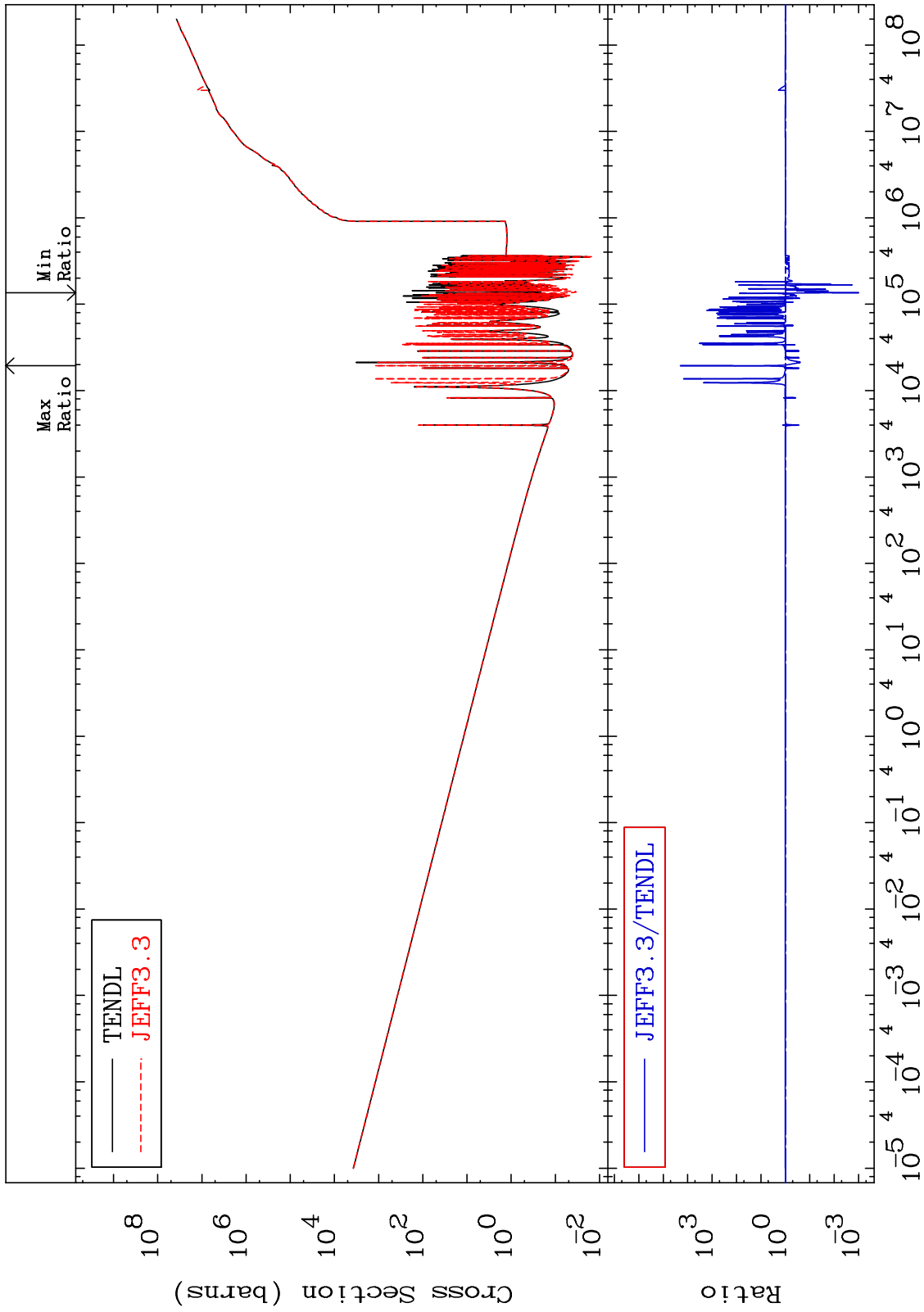
22-Ti-46
-97.50 To 9999. %



MAT 2225

Kerma non-elastic (all but mt2)
Cross Section

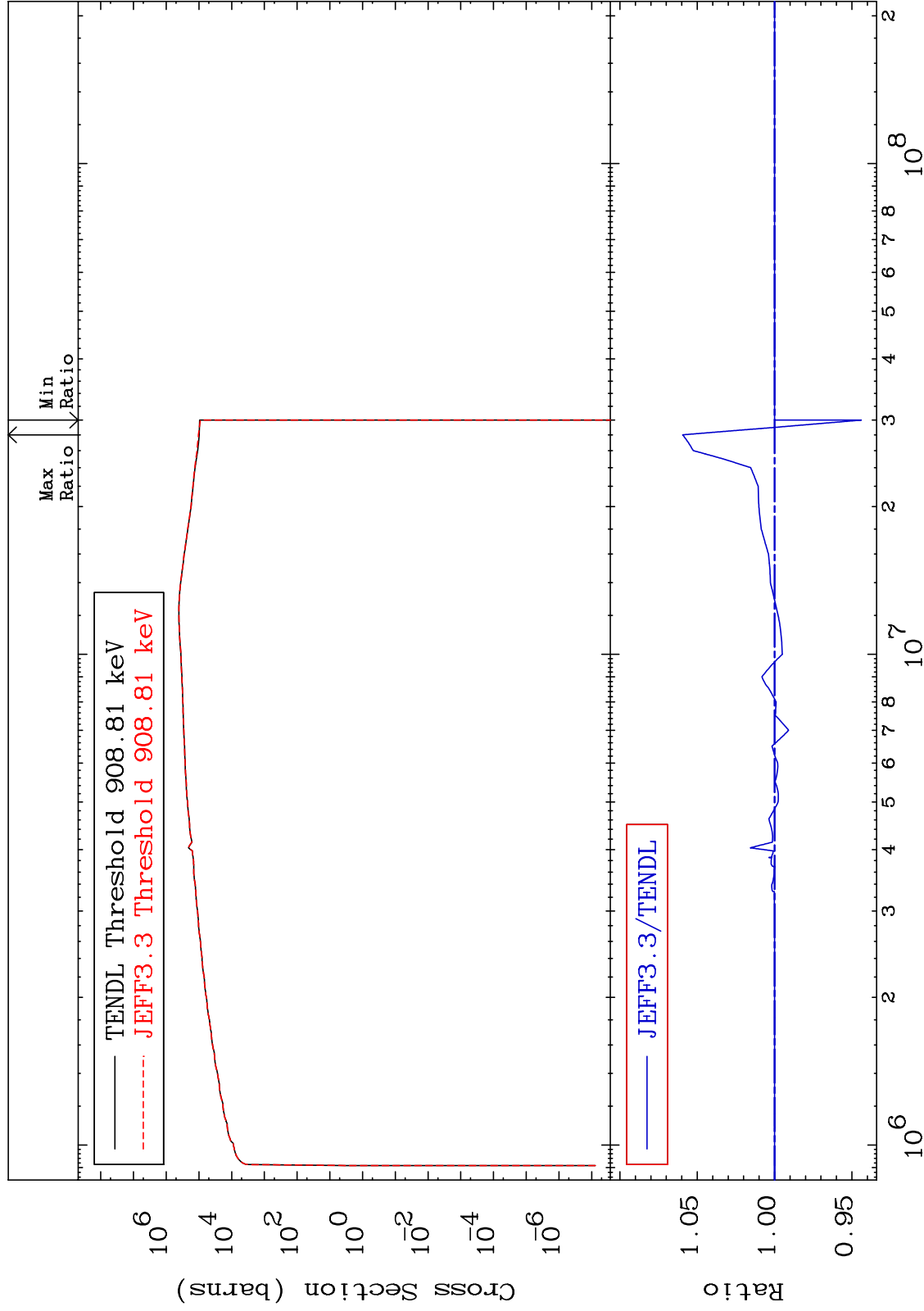
22-Ti-46
-99.90 To 9999. %



MAT 2225

Kerma inelastic (mt51-91)
Cross Section

22-Ti-46
-5.609 To 5.943 %



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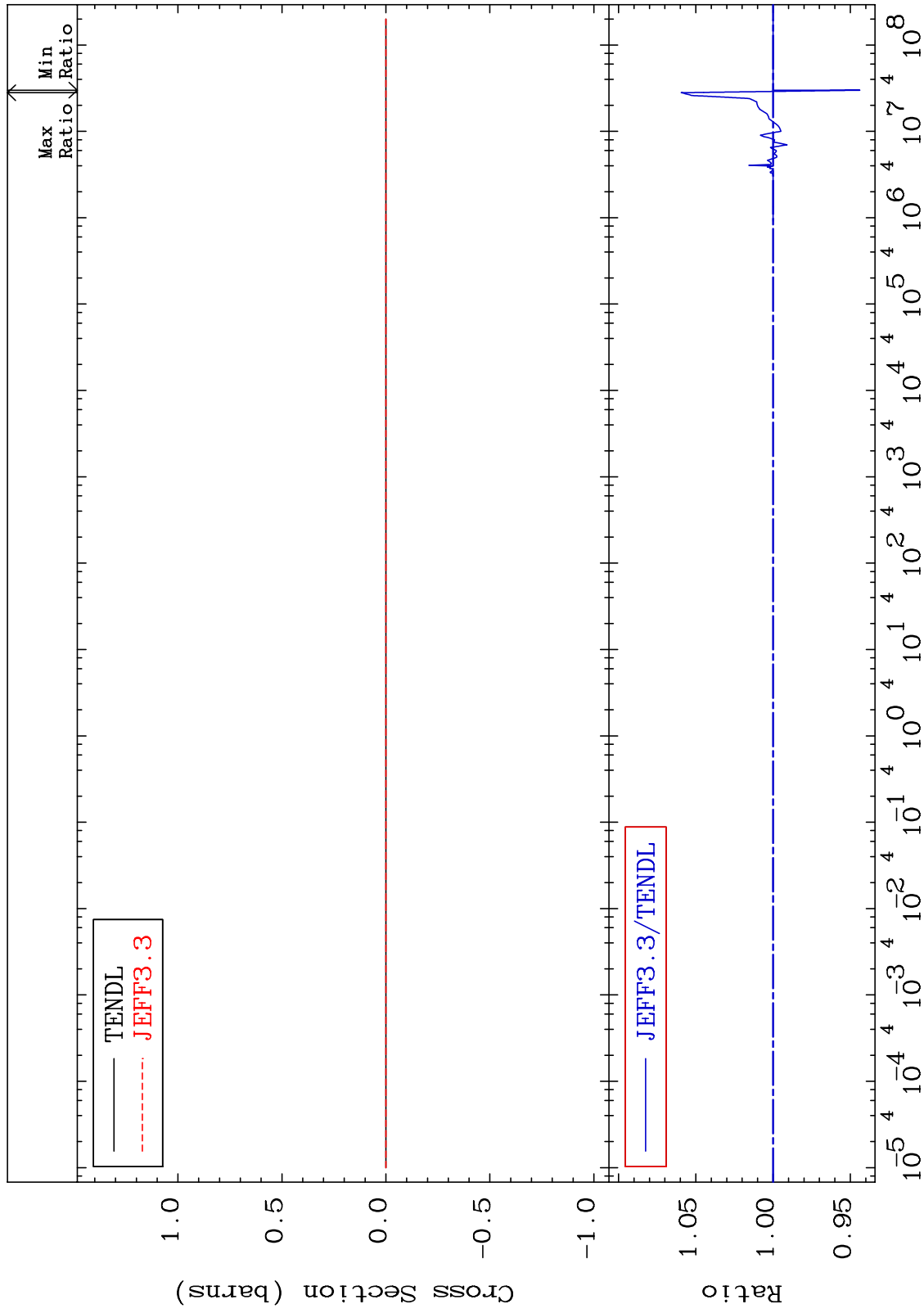
Incident Energy (eV)

22-Ti-46

MAT 2225

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

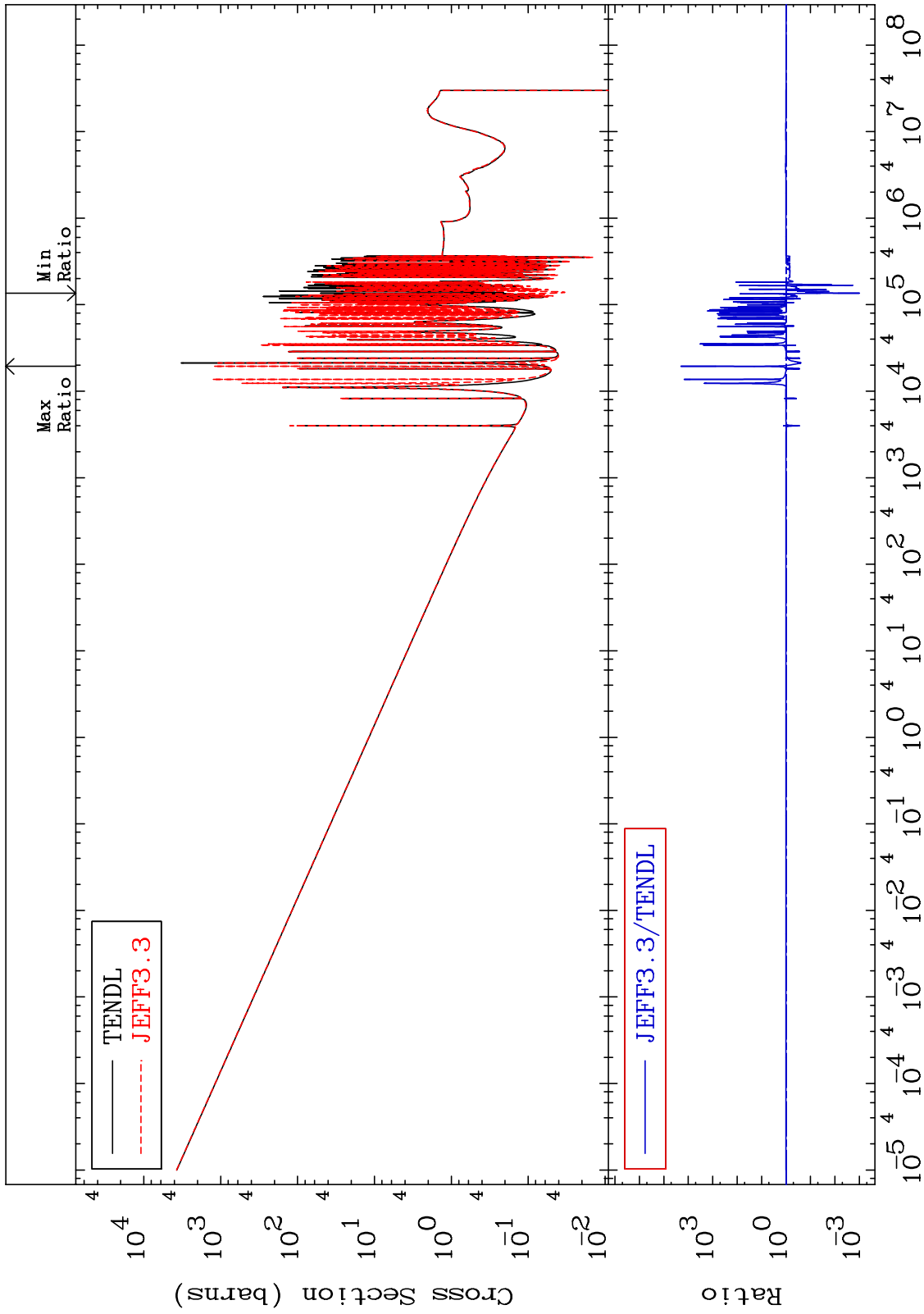
22-Ti-46
-5.609 To 5.943 %



MAT 2225

Kerma capture (mt102)
Cross Section

22-Ti-46
-99.90 To 9999. %

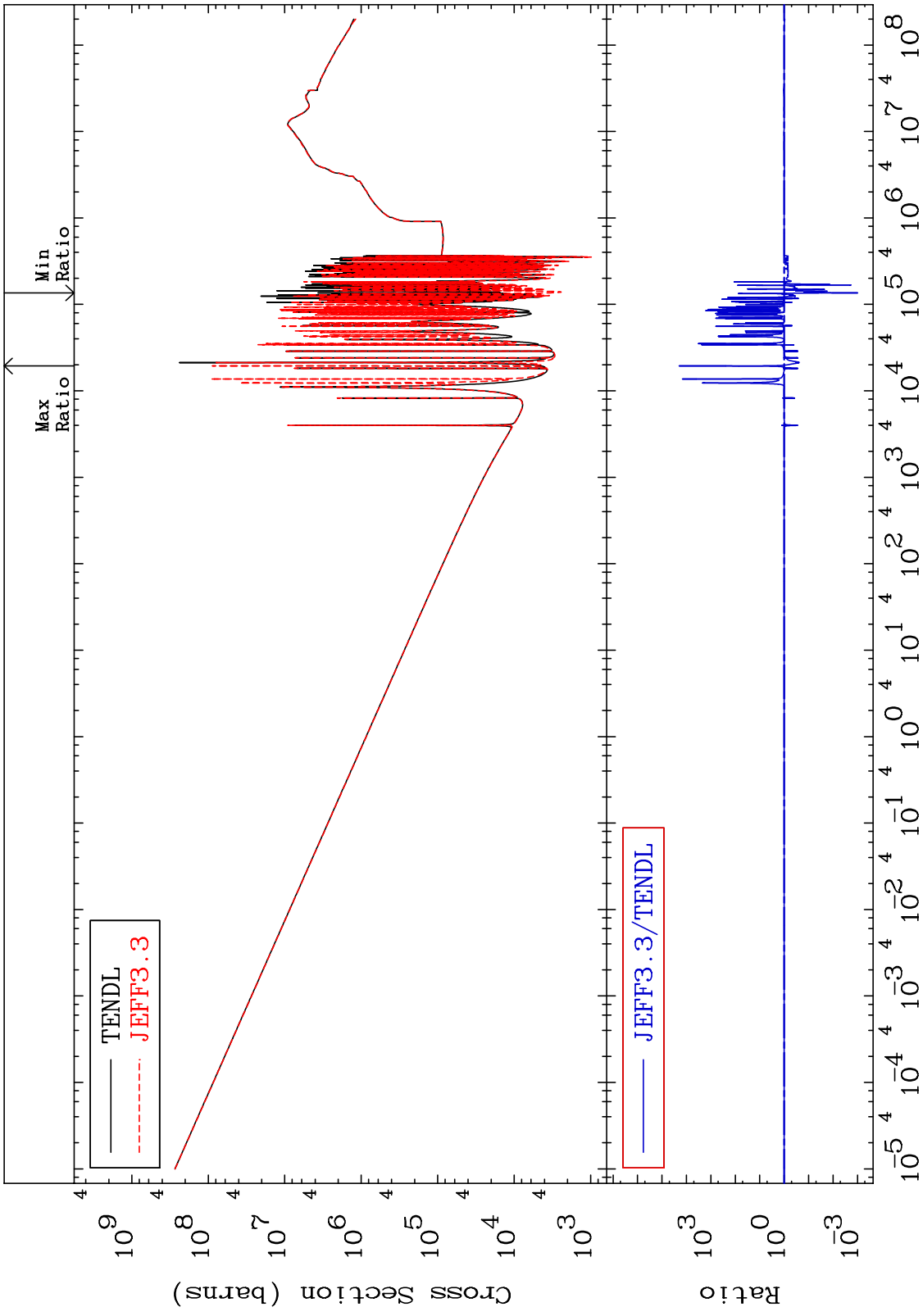


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Incident Energy (eV)

22-Ti-46

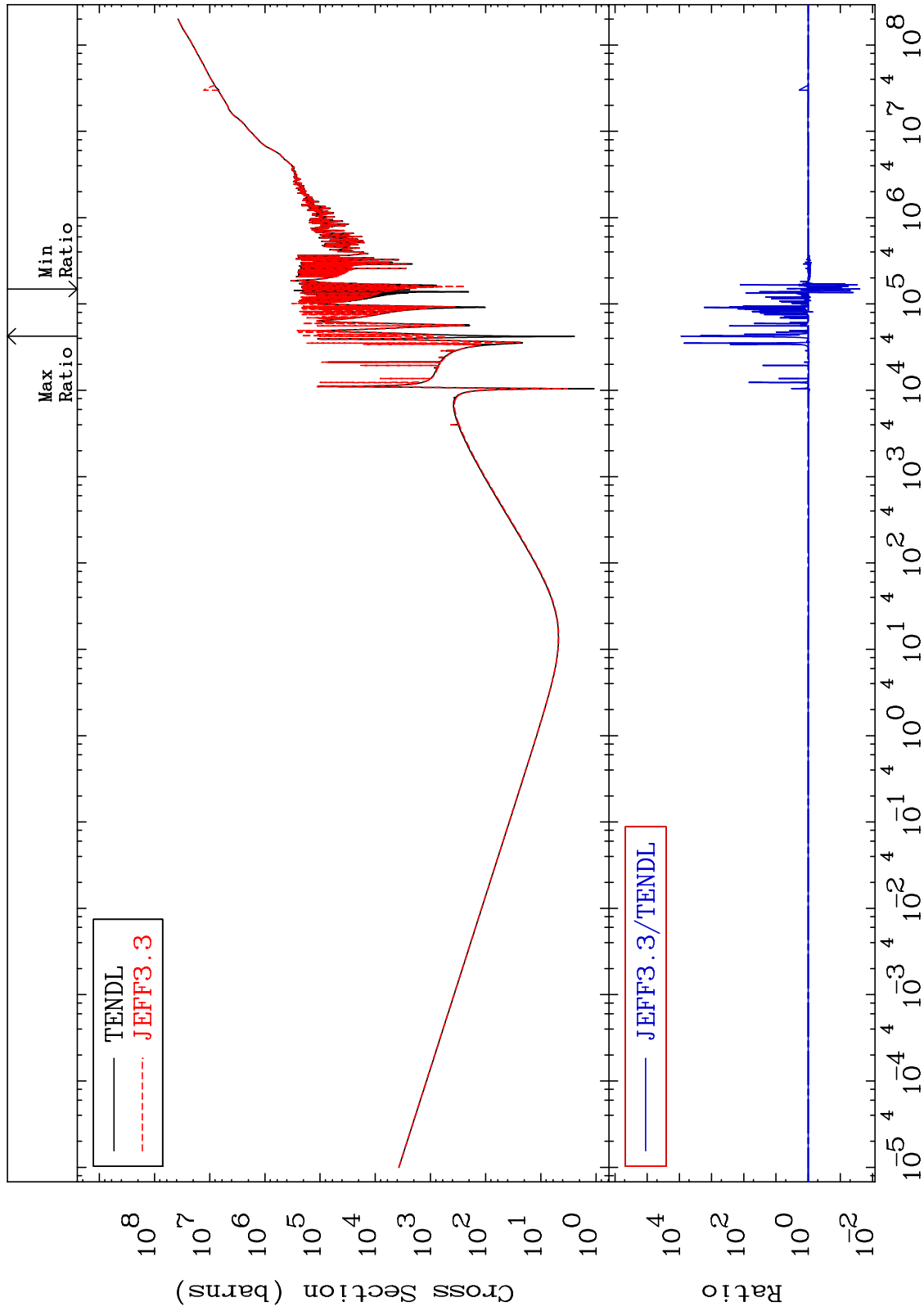
MAT 2225 22-Ti-46
 Total photon (eV-barns) -99.90 To 9999. %
 Cross Section



MAT 2225

Total kinematic kerma (high limit)
Cross Section

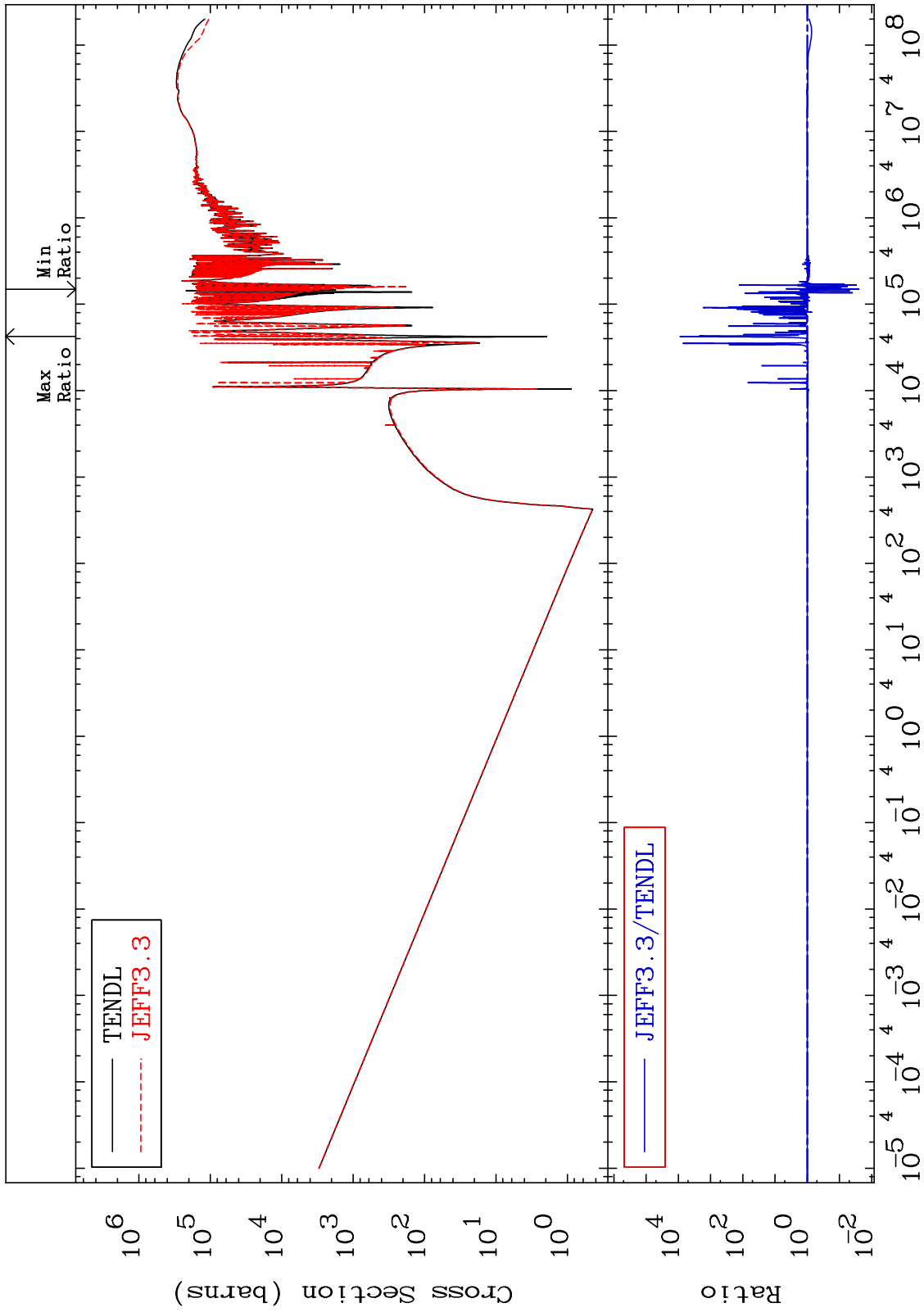
22-Ti-46
-97.50 To 9999. %



MAT 2225

Dpa total (eV-barns)
Cross Section

22-Ti-46
-97.50 To 9999. %



73

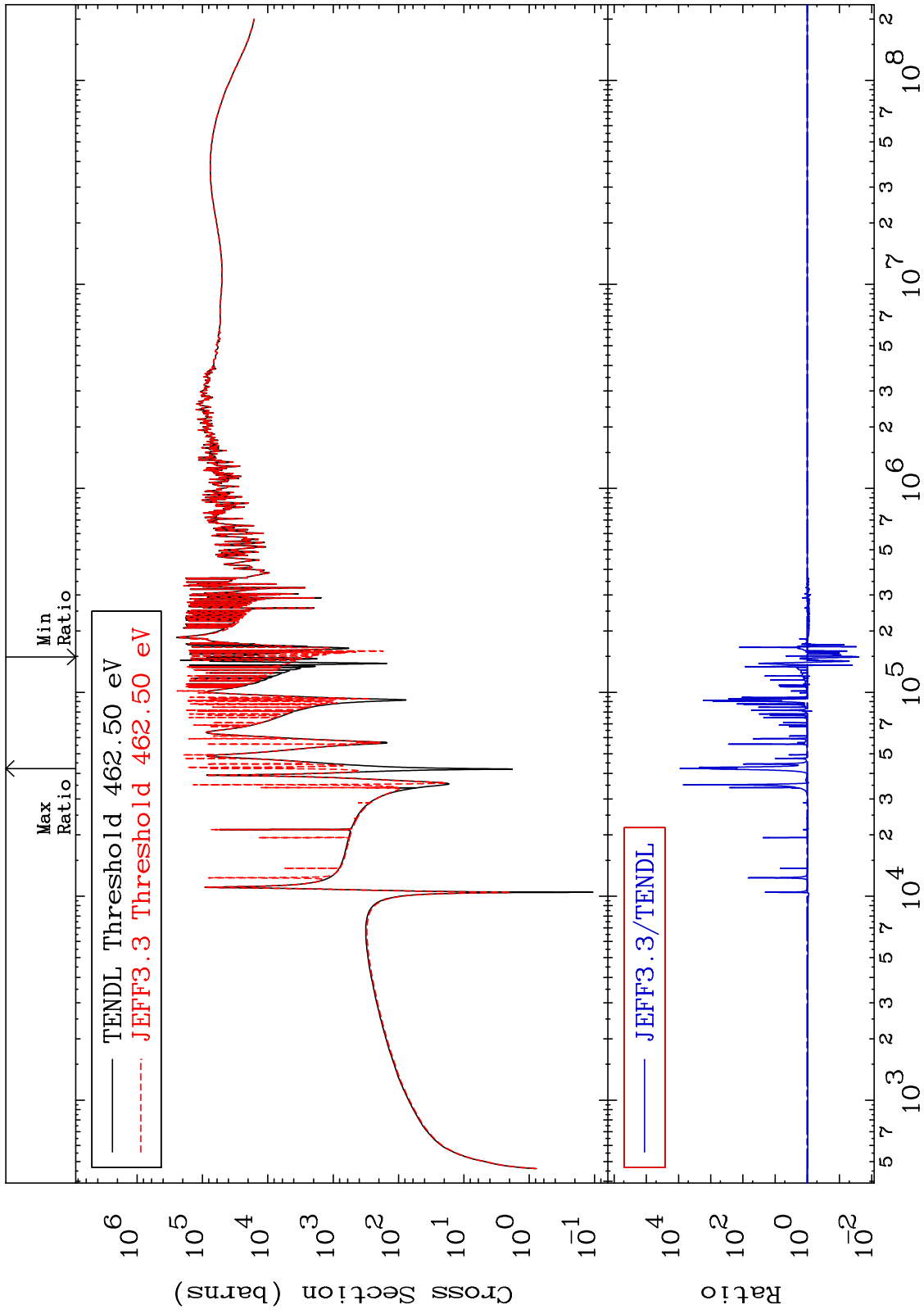
Incident Energy (eV)

22-Ti-46

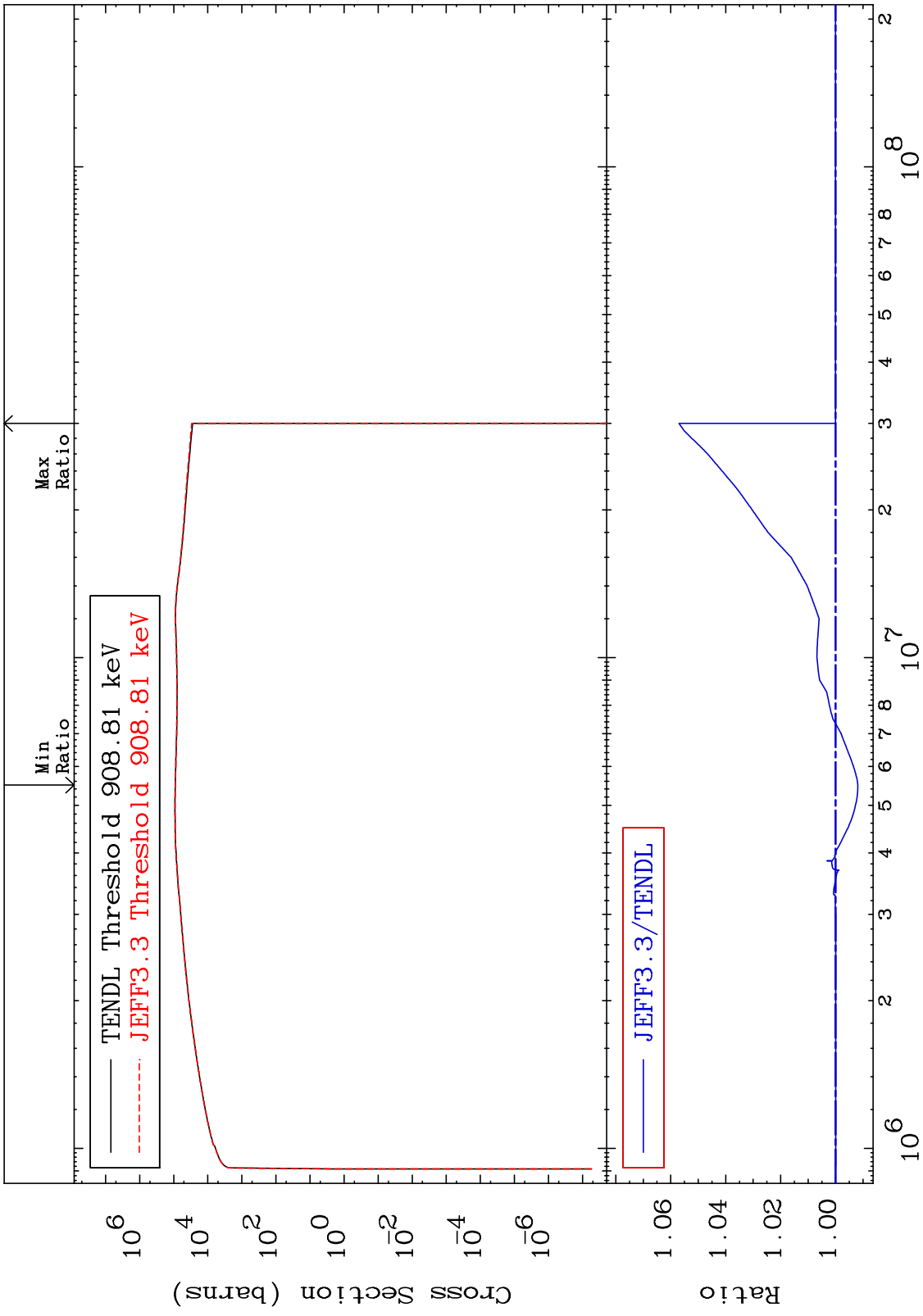
MAT 2225

Dpa elastic (mt2)
Cross Section

22-Ti-46
-97.50 To 9999. %



MAT 2225 Dpa inelastic (mt51-91) 22-Ti-46
 Cross Section -0.809 To 5.697 %

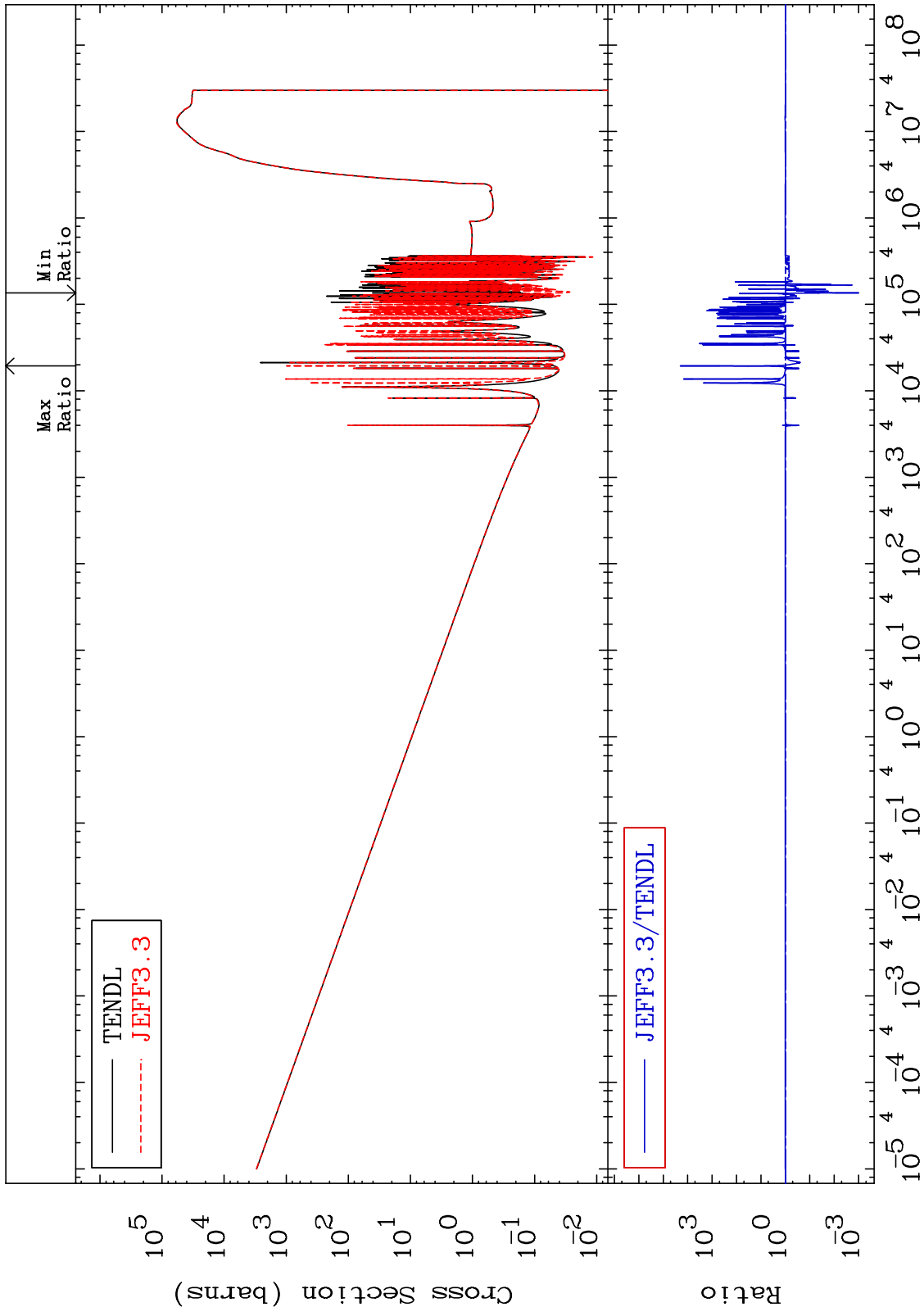


75 Incident Energy (eV) 22-Ti-46

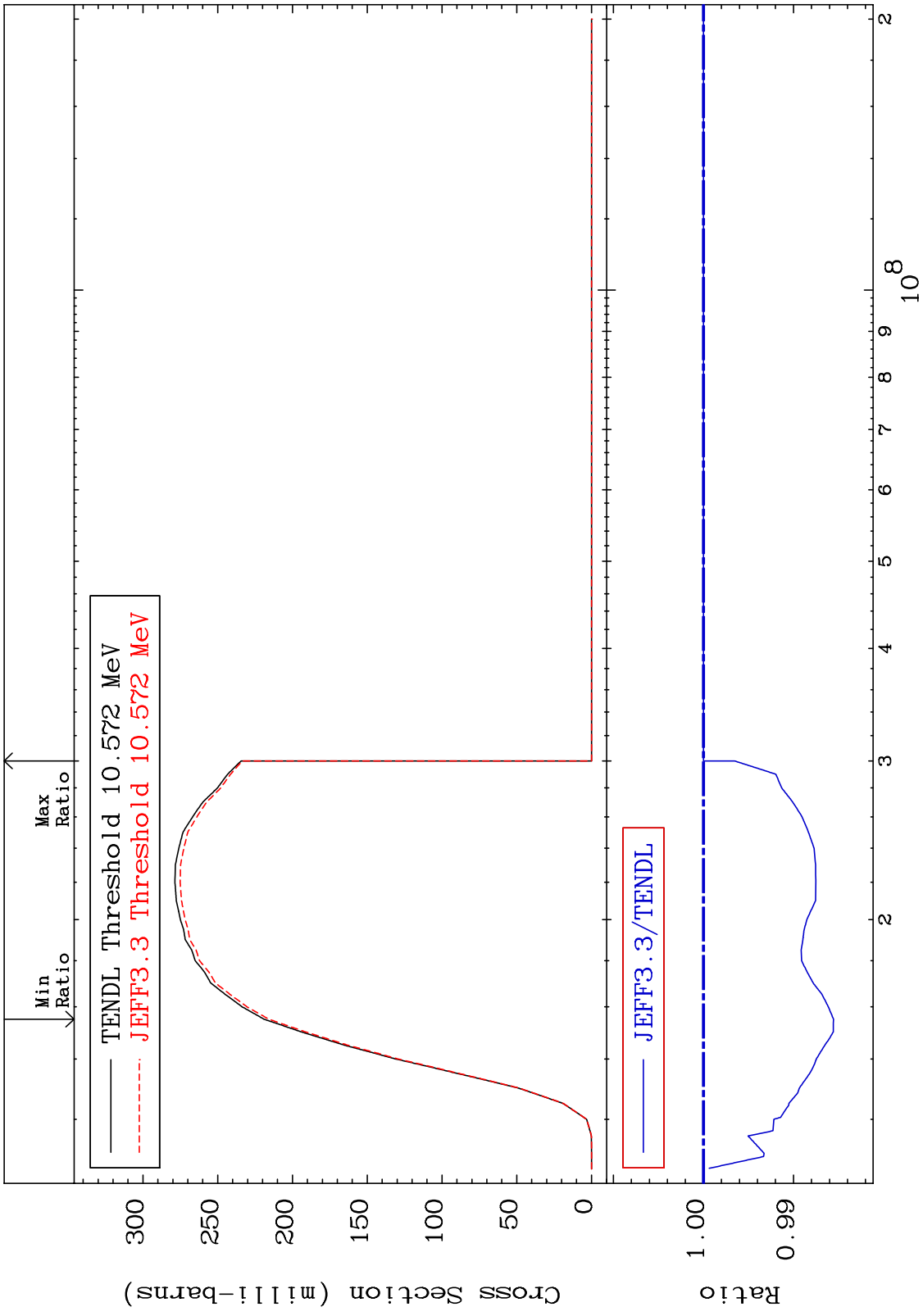
MAT 2225

Dpa disappearance (mt102 -120)
Cross Section

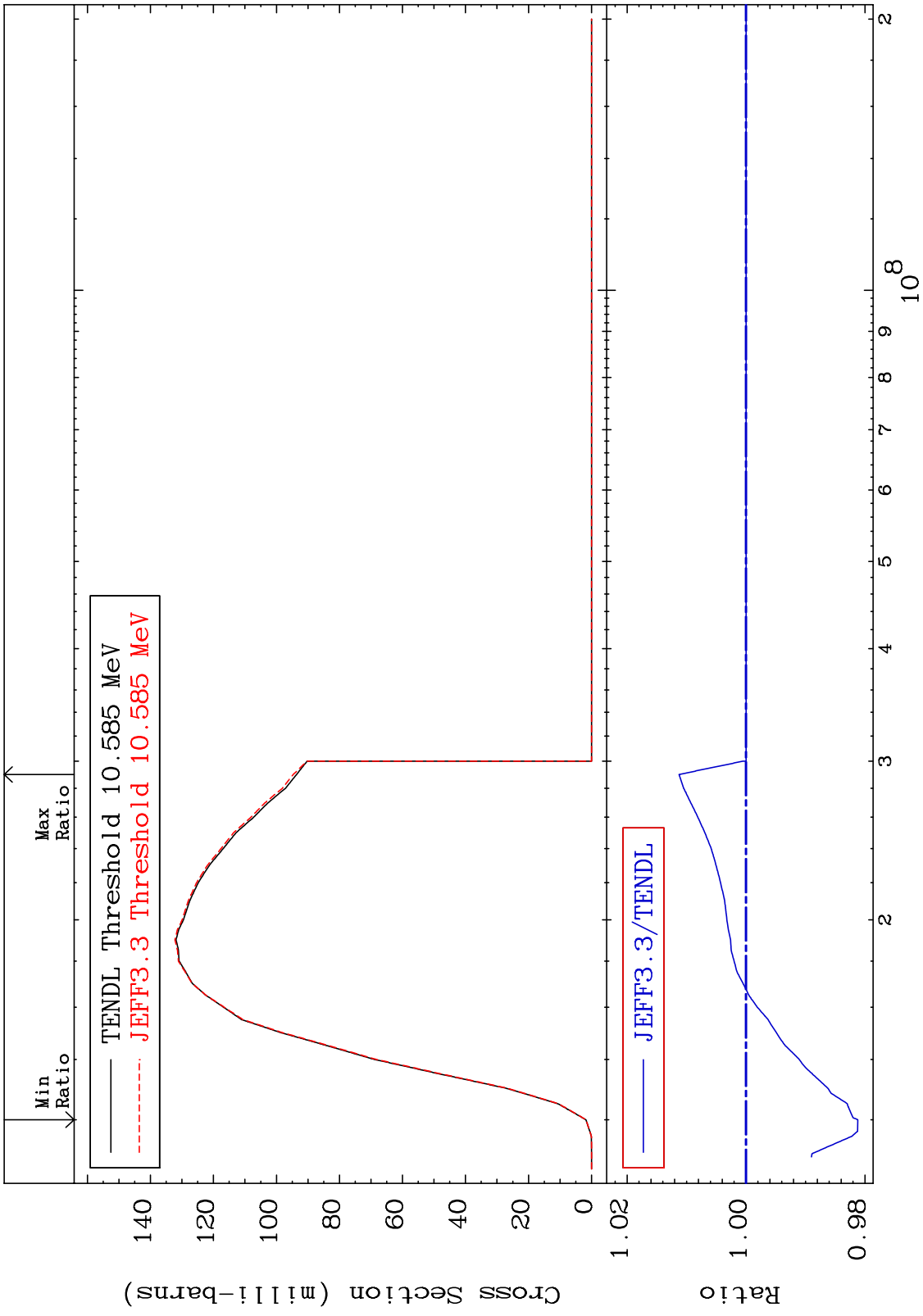
22-Ti-46
-99.90 To 9999. %

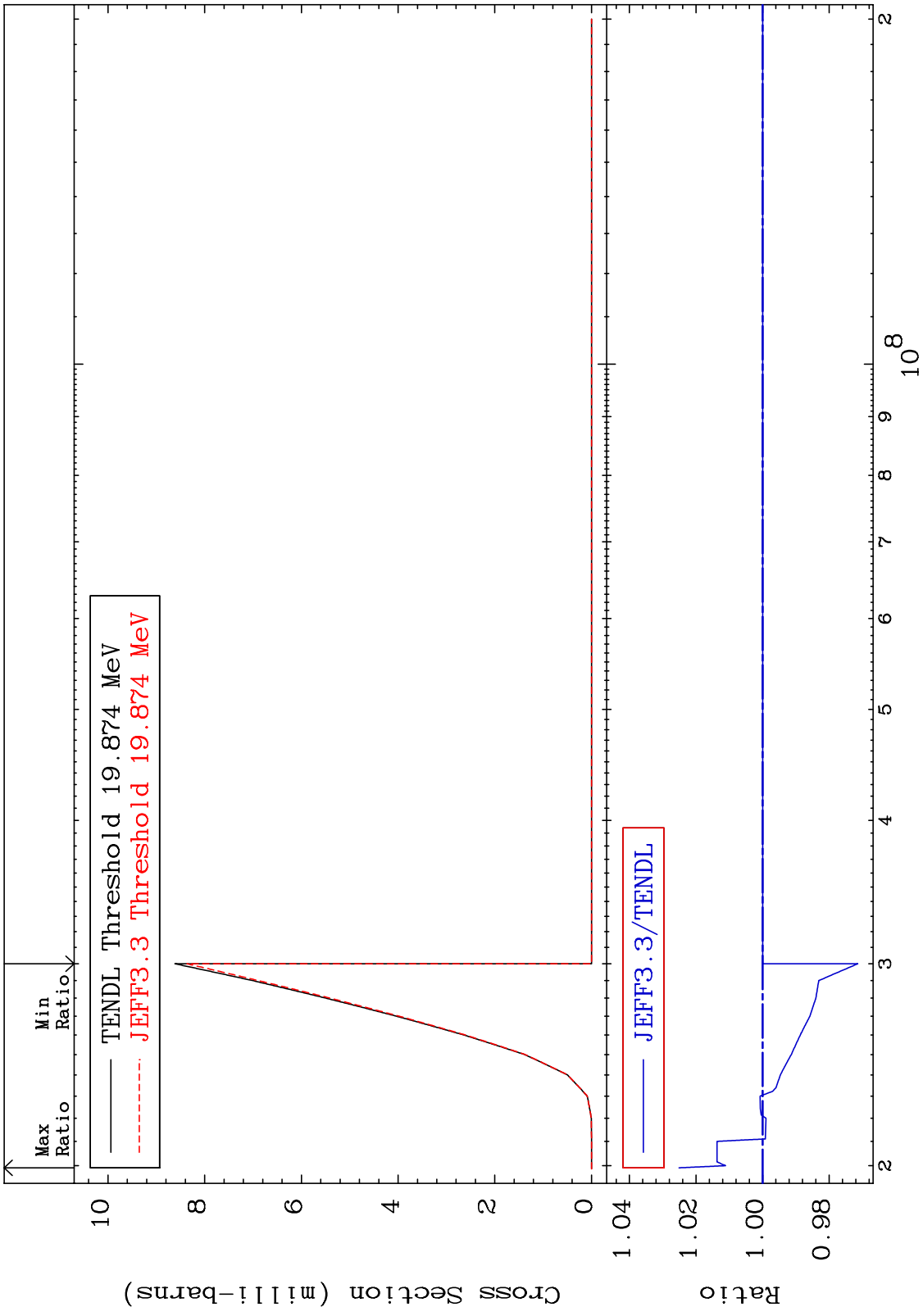


MAT 2225 (n, n') p:21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section -1.444 To 0.000 %



MAT 2225 (n,n') p:21-Sc-45m1 22-Ti-46
 Radionuclide Production Cross Section -1.881 To 1.127 %



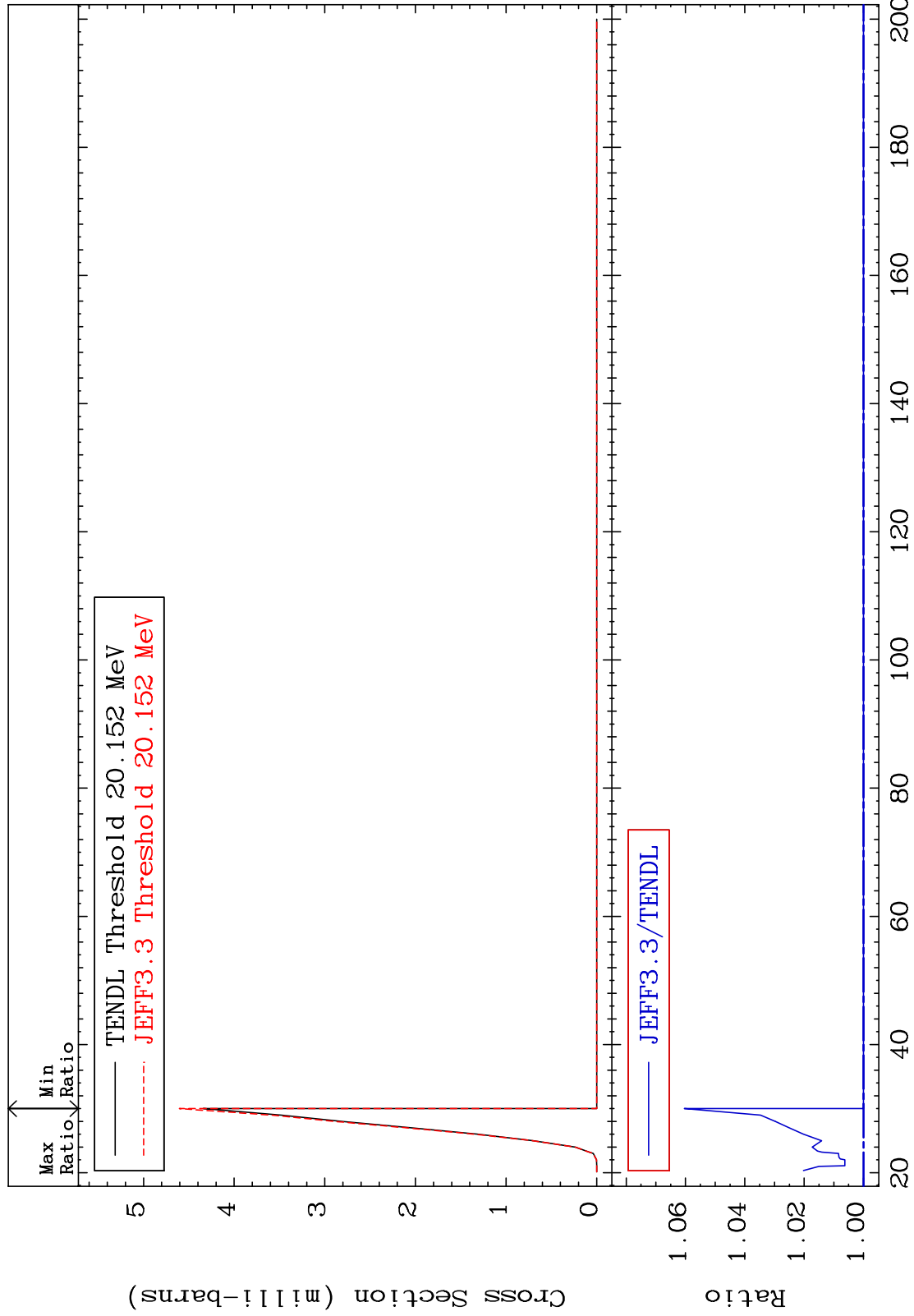


MAT 2225

(n, n') d:21-Sc-44m4

22-Ti-46

Radionuclide Production Cross Section 0.000 To 6.038 %

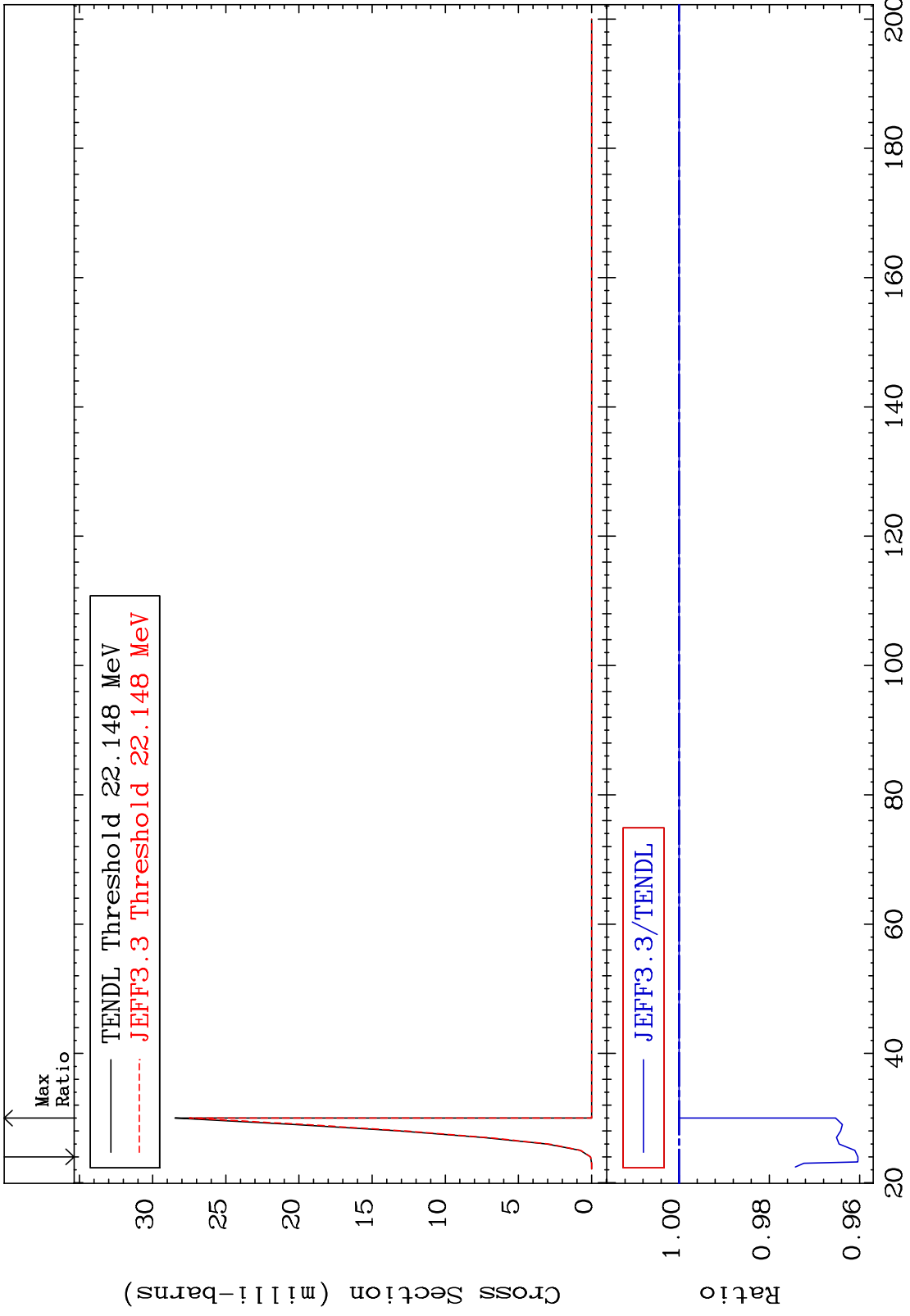


22-Ti-46

Incident Energy (MeV)

80

MAT 2225 (n,2n) p:21-Sc-44g 22-Ti-46
 Radionuclide Production Cross Section -3.964 To 0.000 %

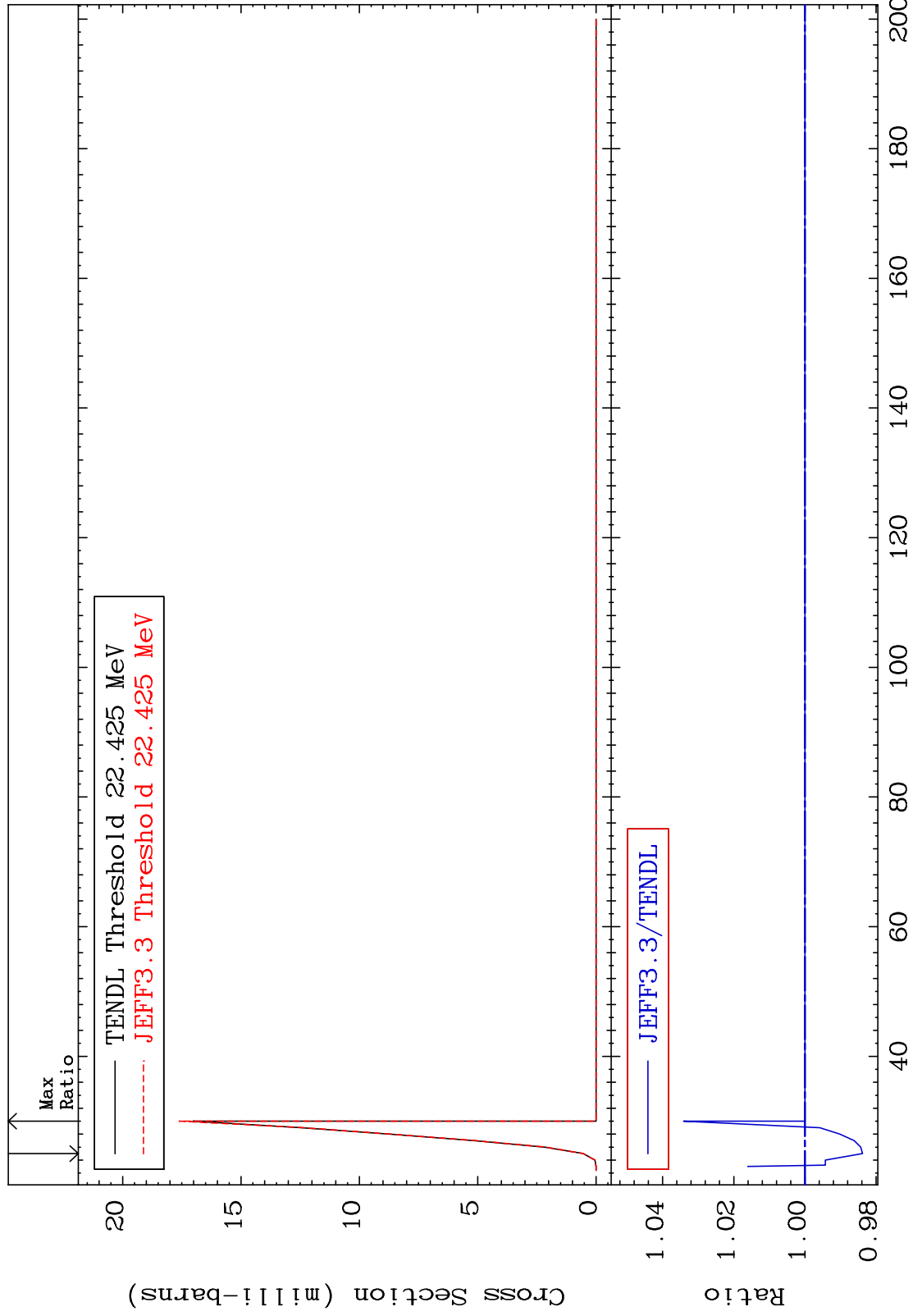


MAT 2225

(n,2n) p:21-Sc-44m4

22-Ti-46

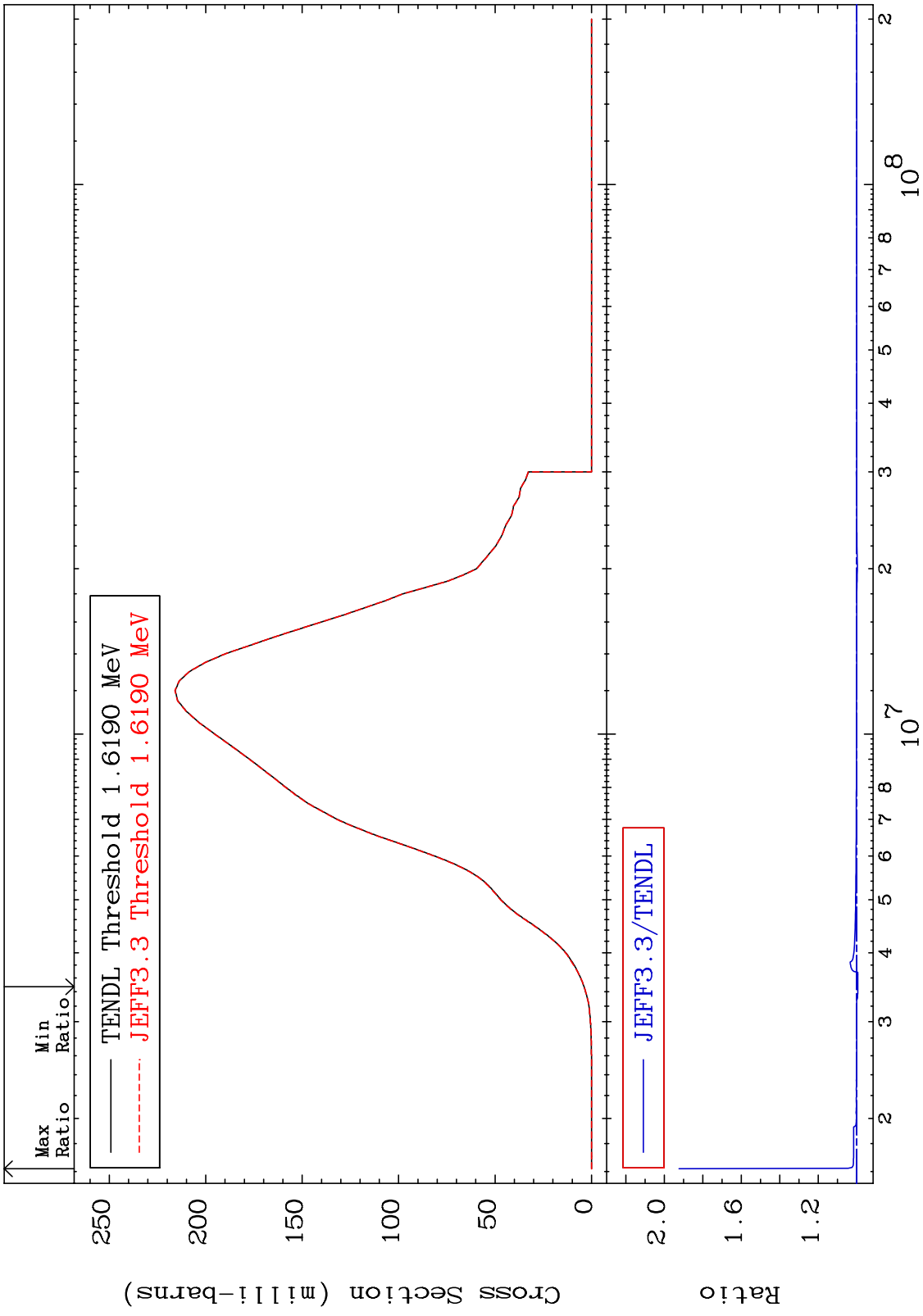
Radionuclide Production Cross Section -1.620 To 3.409 %

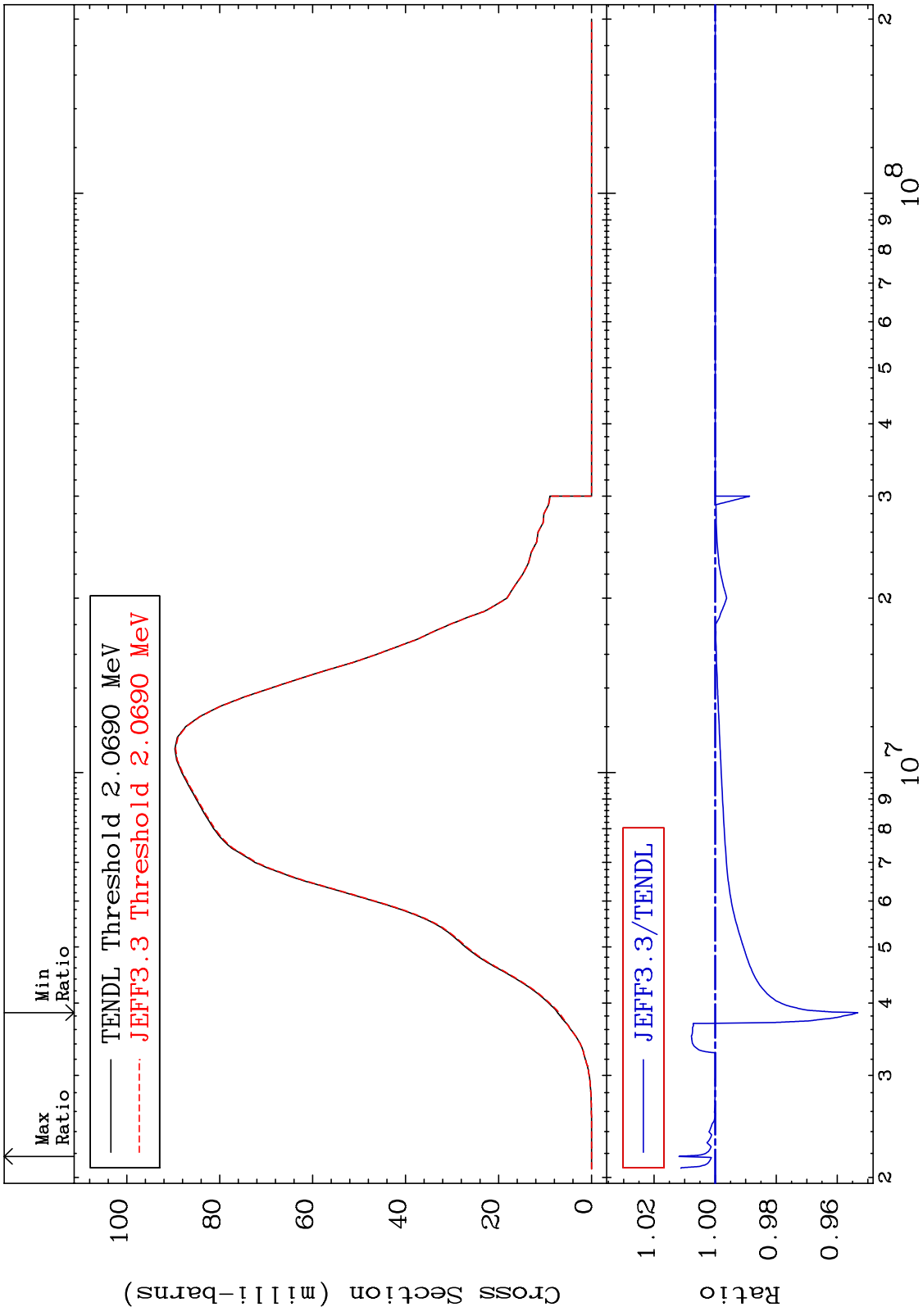


82

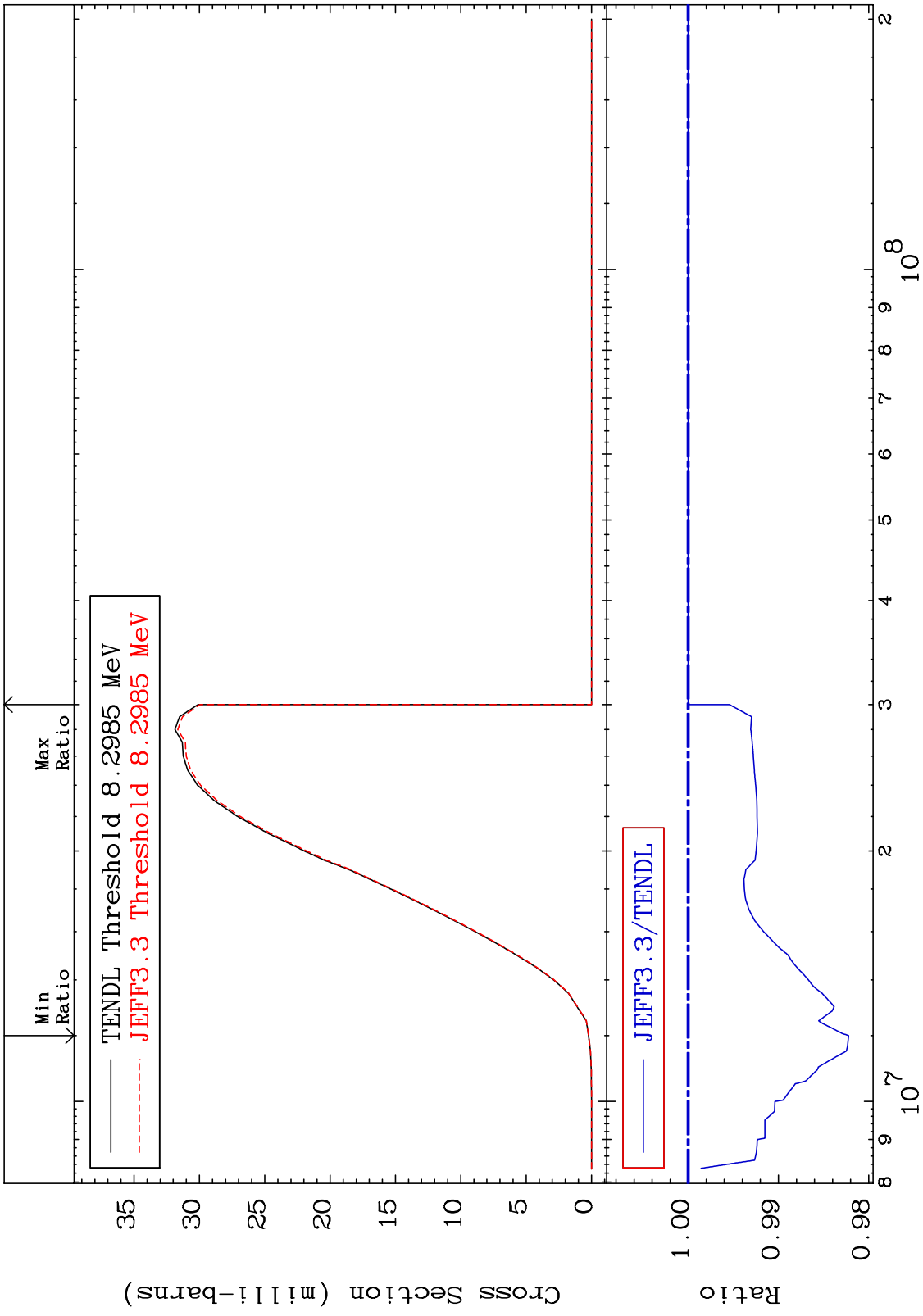
22-Ti-46

MAT 2225 (n,p):21-Sc-46g 22-Ti-46
 Radionuclide Production Cross Section -0.612 To 92.34 %

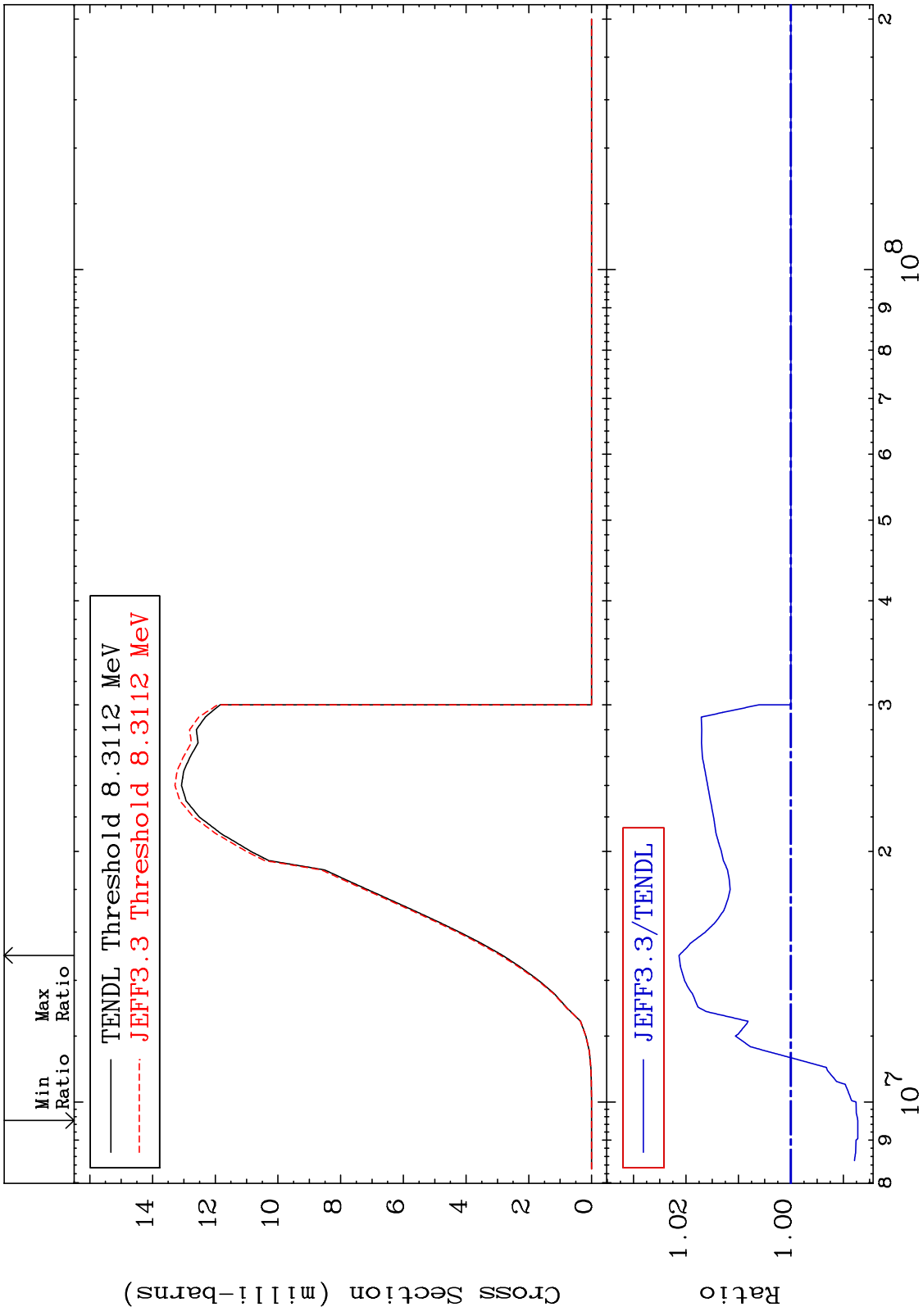




MAT 2225 (n,d):21-Sc-45g 22-Ti-46
 Radionuclide Production Cross Section -1.778 To 0.000 %



MAT 2225 (n,d):21-Sc-45m1 22-Ti-46
 Radionuclide Production Cross Section -1.276 To 2.131 %

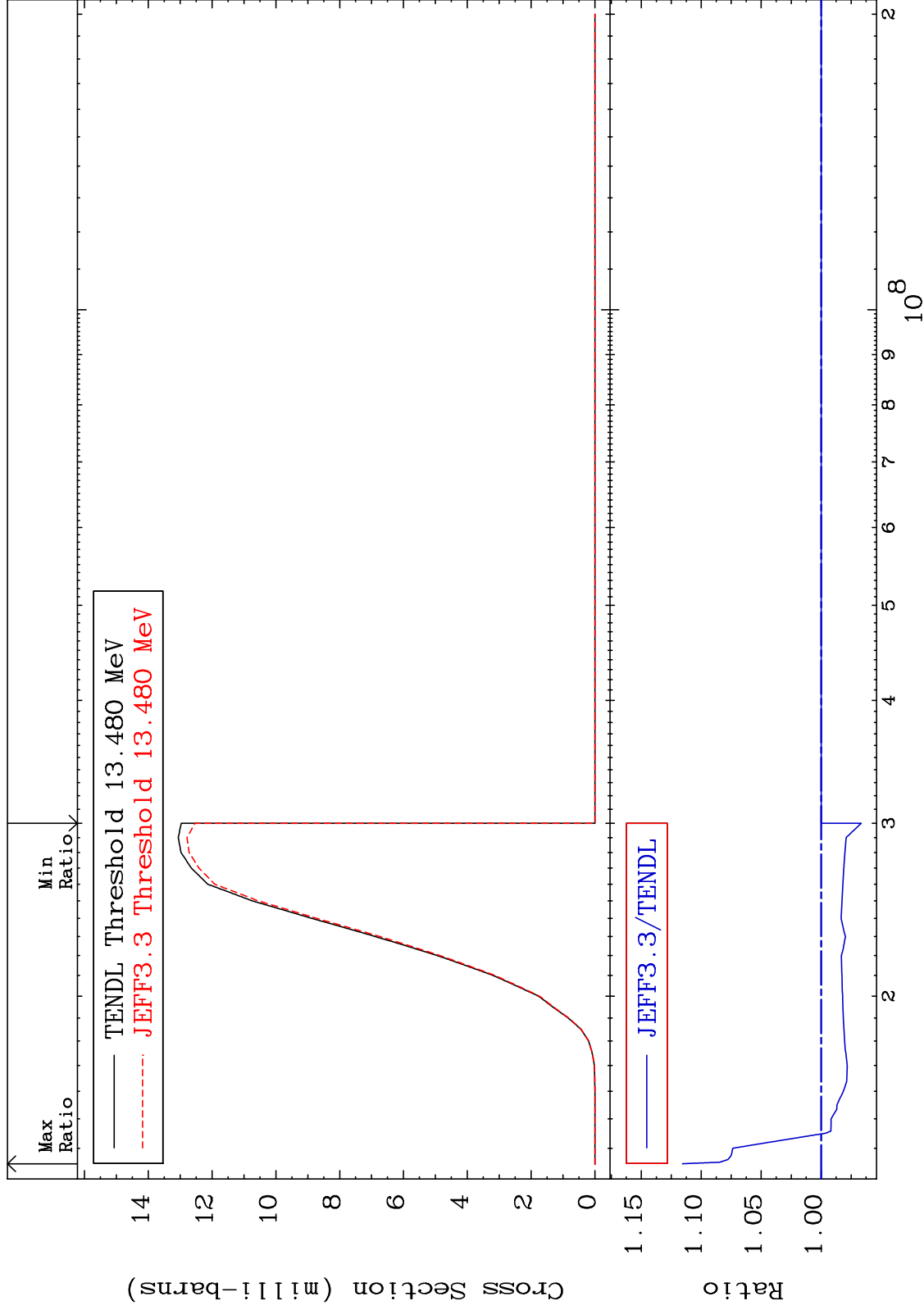


MAT 2225

(n,t):21-Sc-44g

22-Ti-46

Radionuclide Production Cross Section -3.345 To 11.57 %



MAT 2225 (n,t):21-Sc-44m4 22-Ti-46
 Radionuclide Production Cross Section 0.000 To 9.040 %

