

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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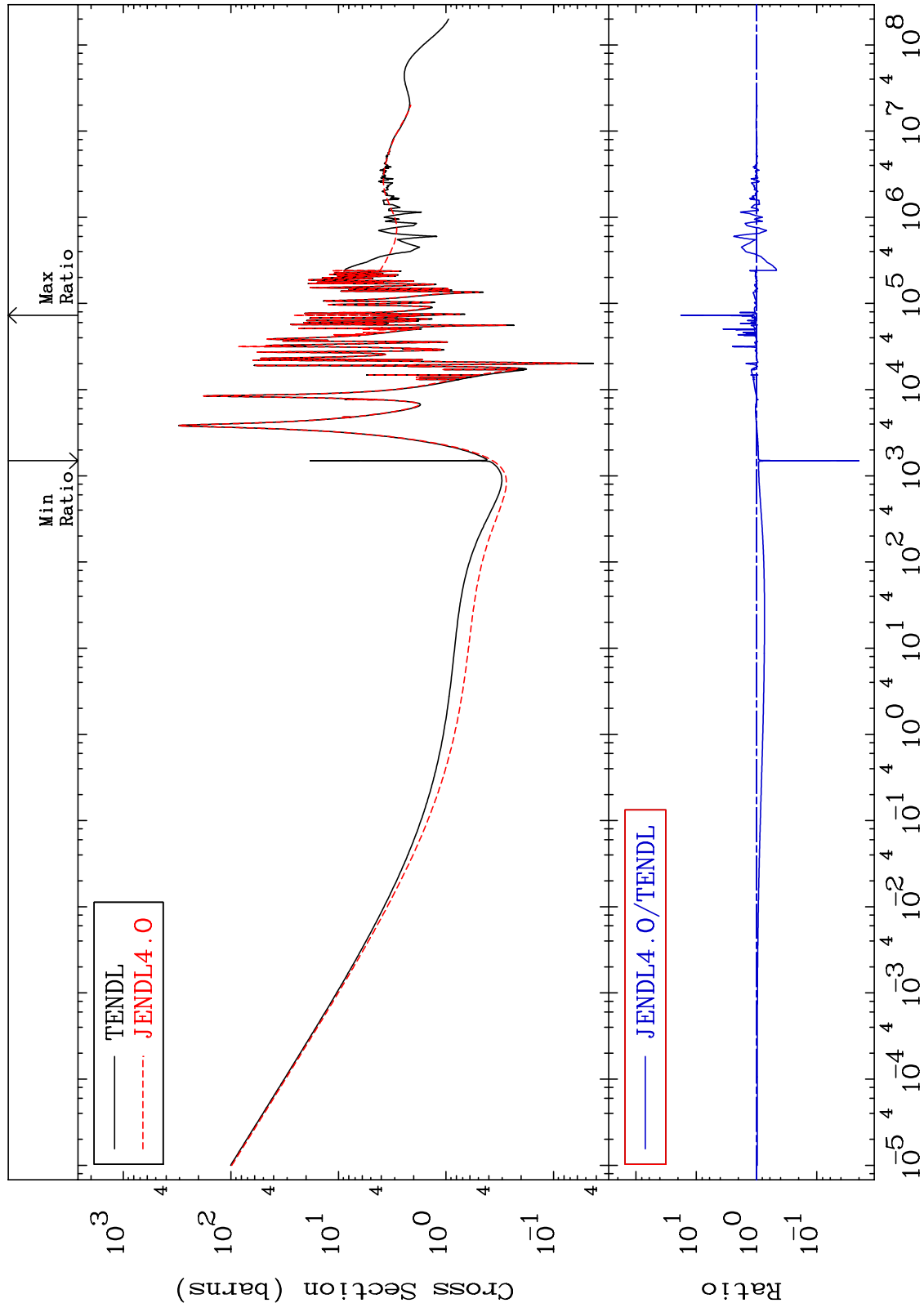
U.S.A.

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

Press Mouse Button to Start

MAT 2234 Total Cross Section 22-Ti-49 -98.00 To 1697. %

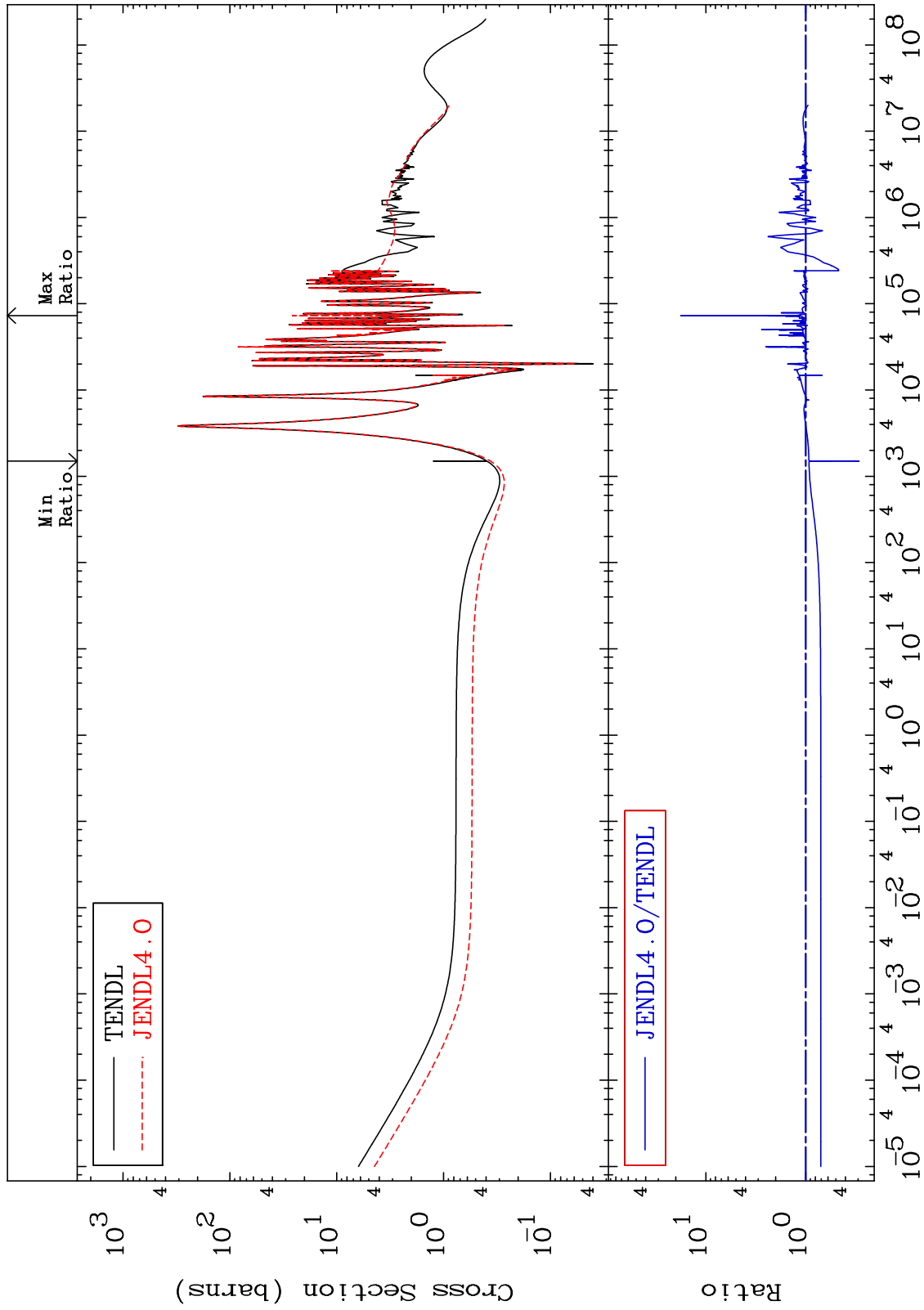


1 Incident Energy (eV) 22-Ti-49

MAT 2234

Elastic
Cross Section

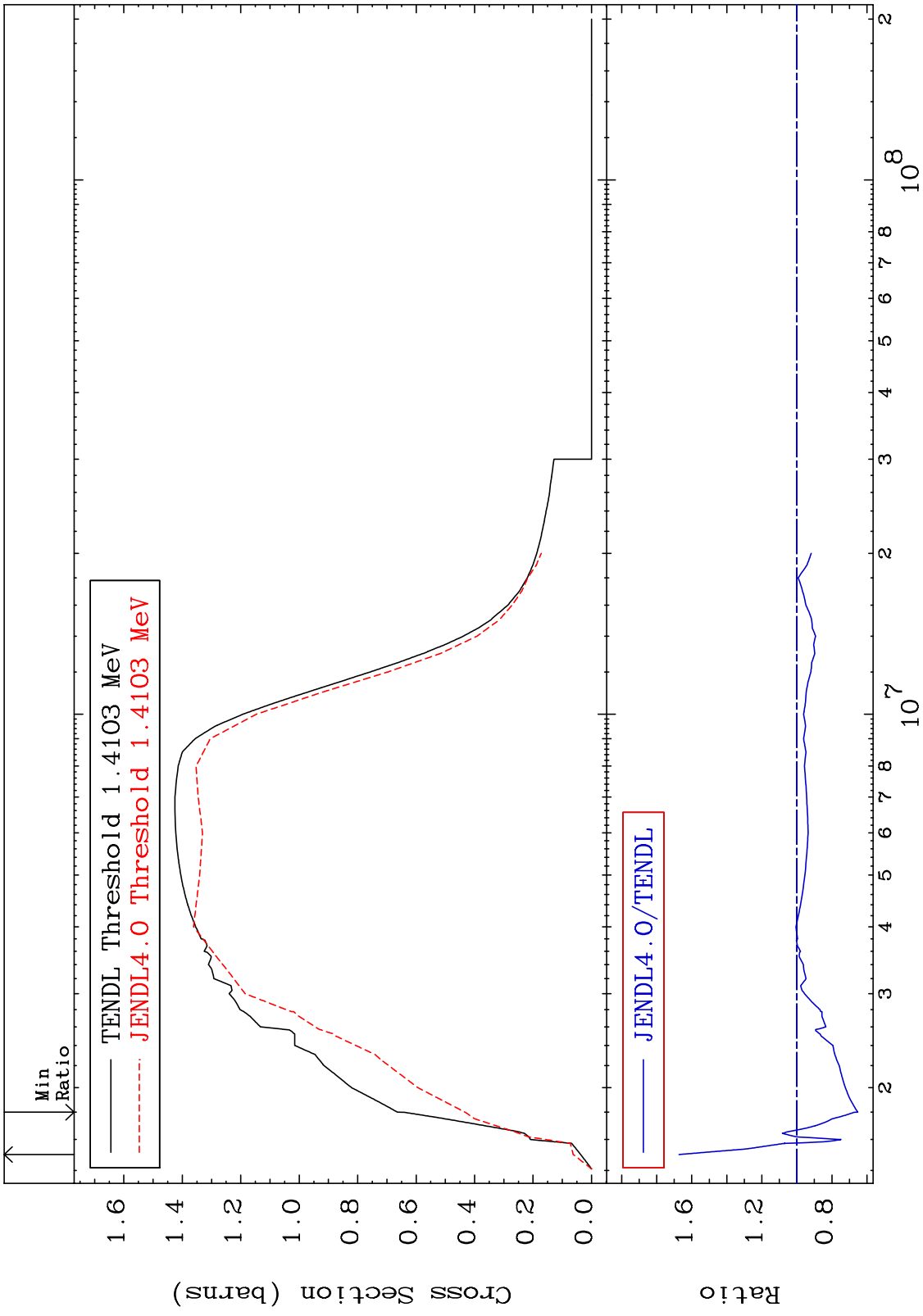
22-Ti-49
-70.70 To 1690. %



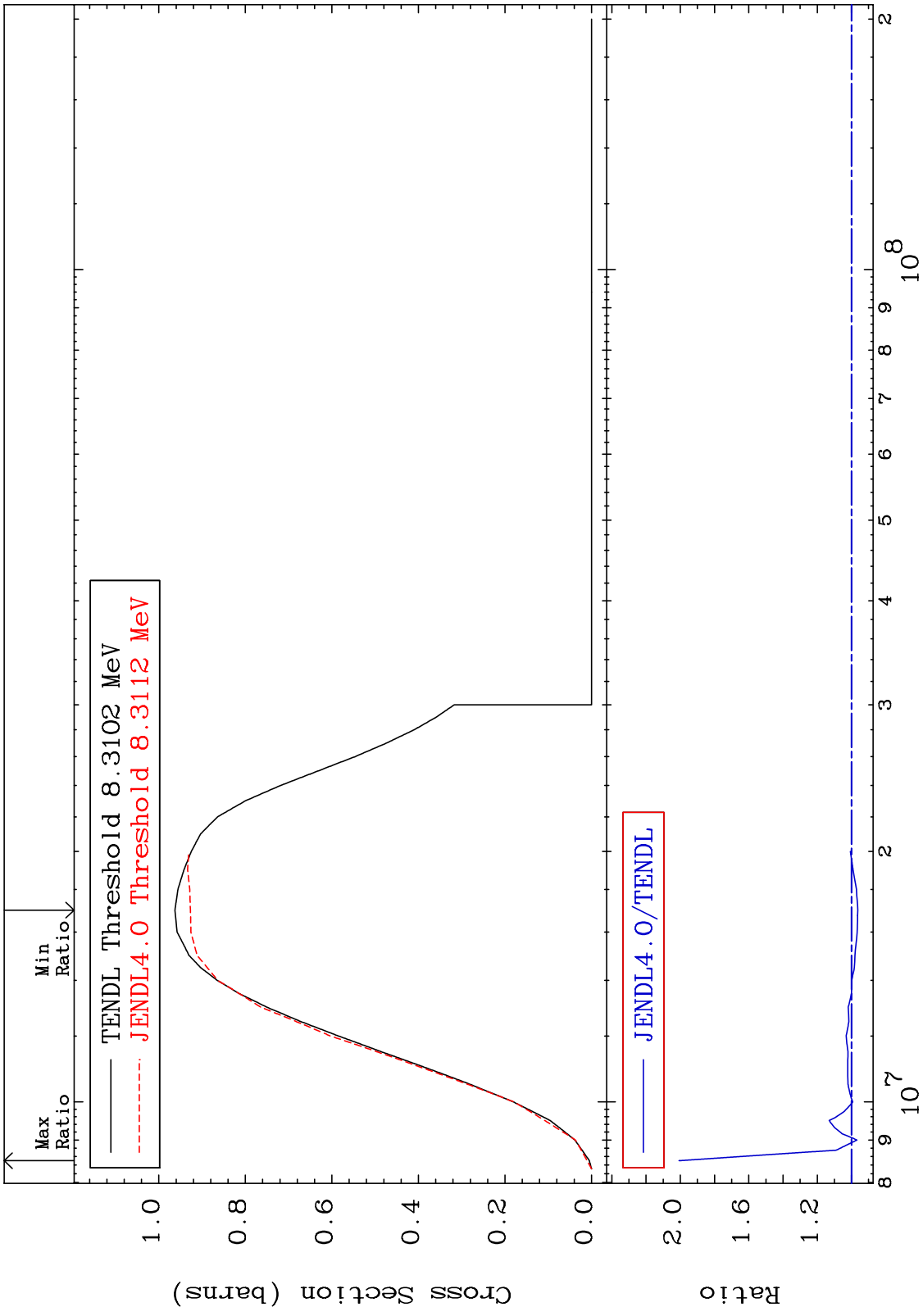
2

Incident Energy (eV)

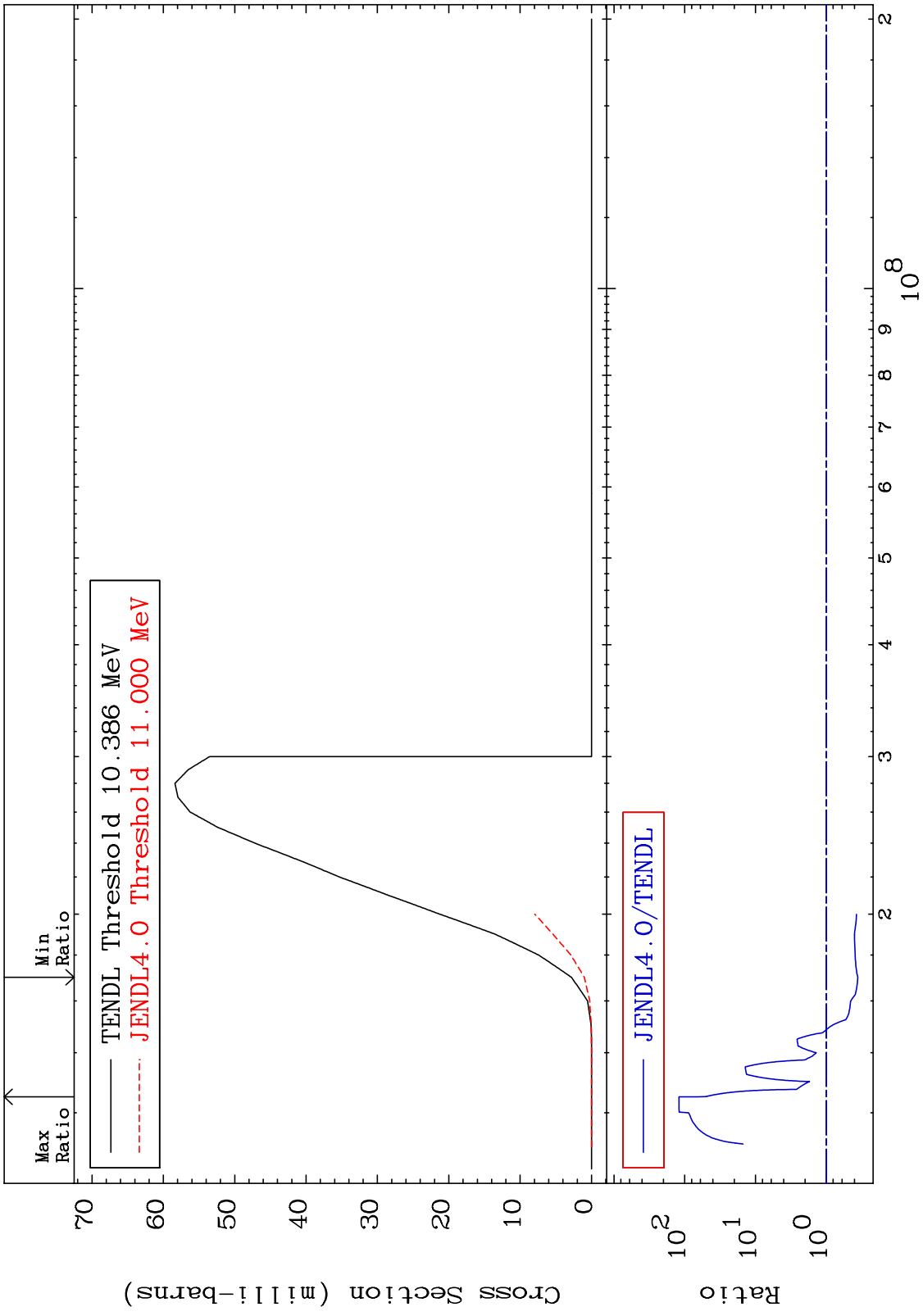
22-Ti-49



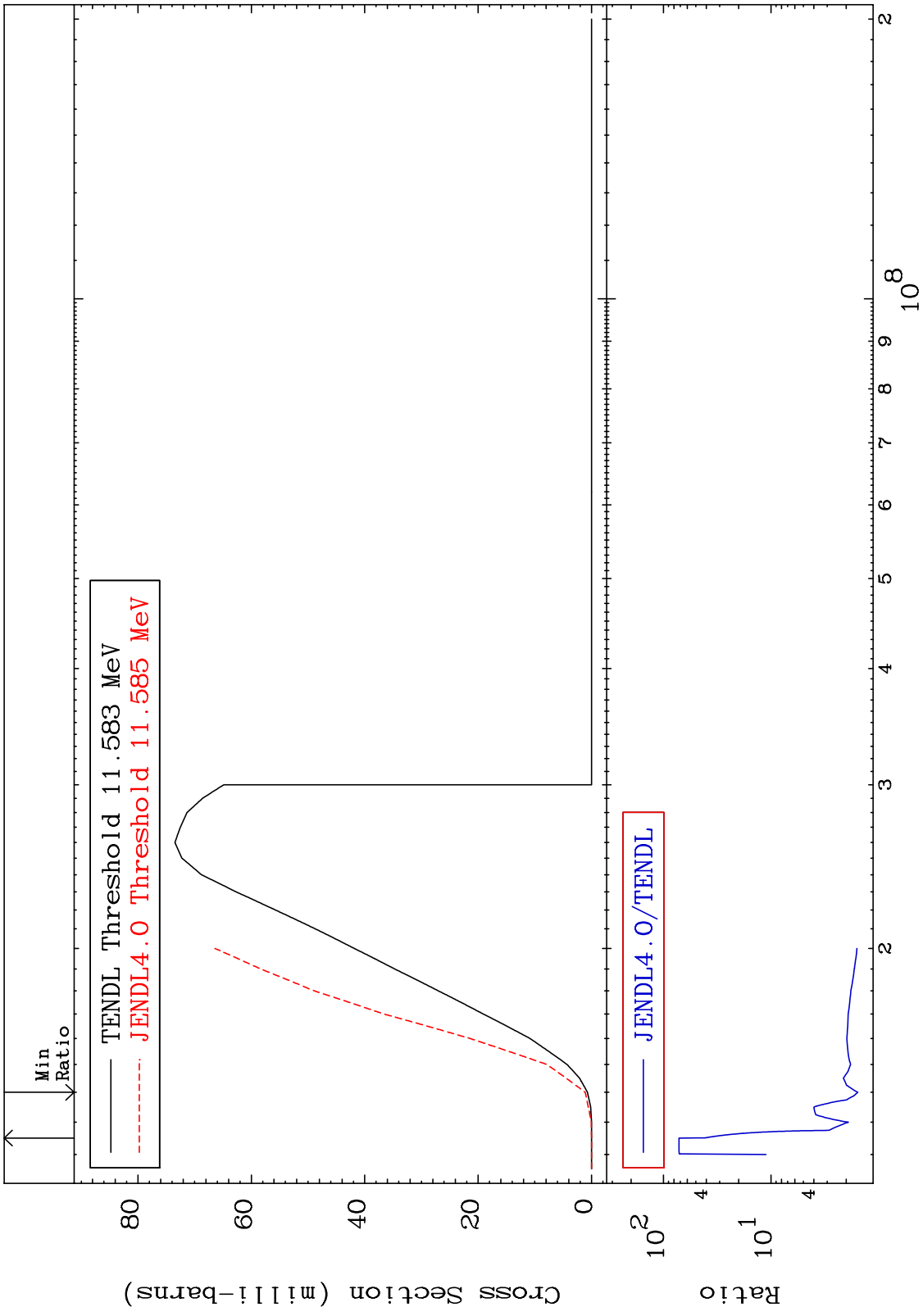
MAT 2234 (n,2n) Cross Section 22-Ti-49 -3.715 To 100.7 %



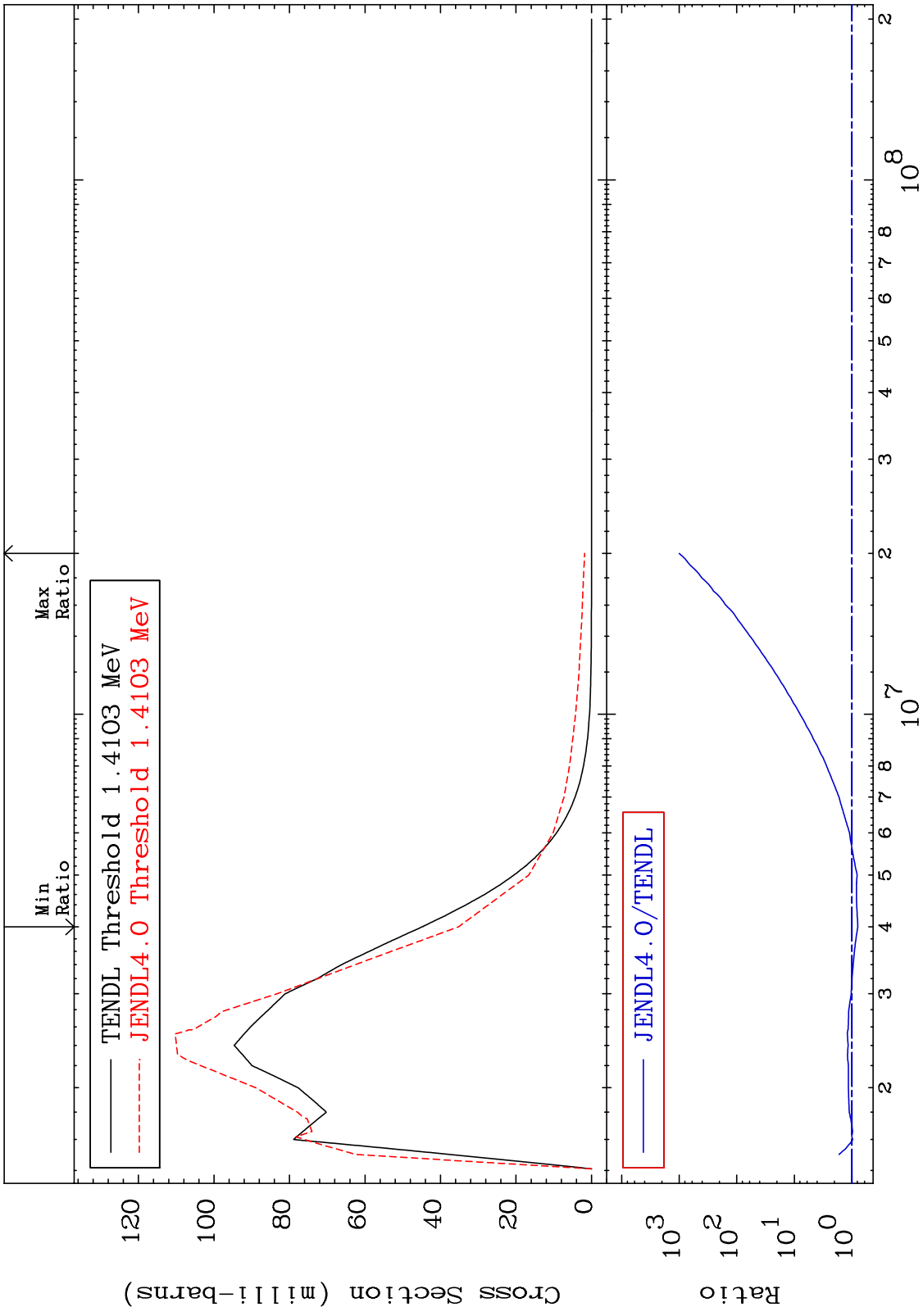
MAT 2234 $(n, n') \alpha$ 22-Ti-49
 Cross Section -64.11 To 9999. %



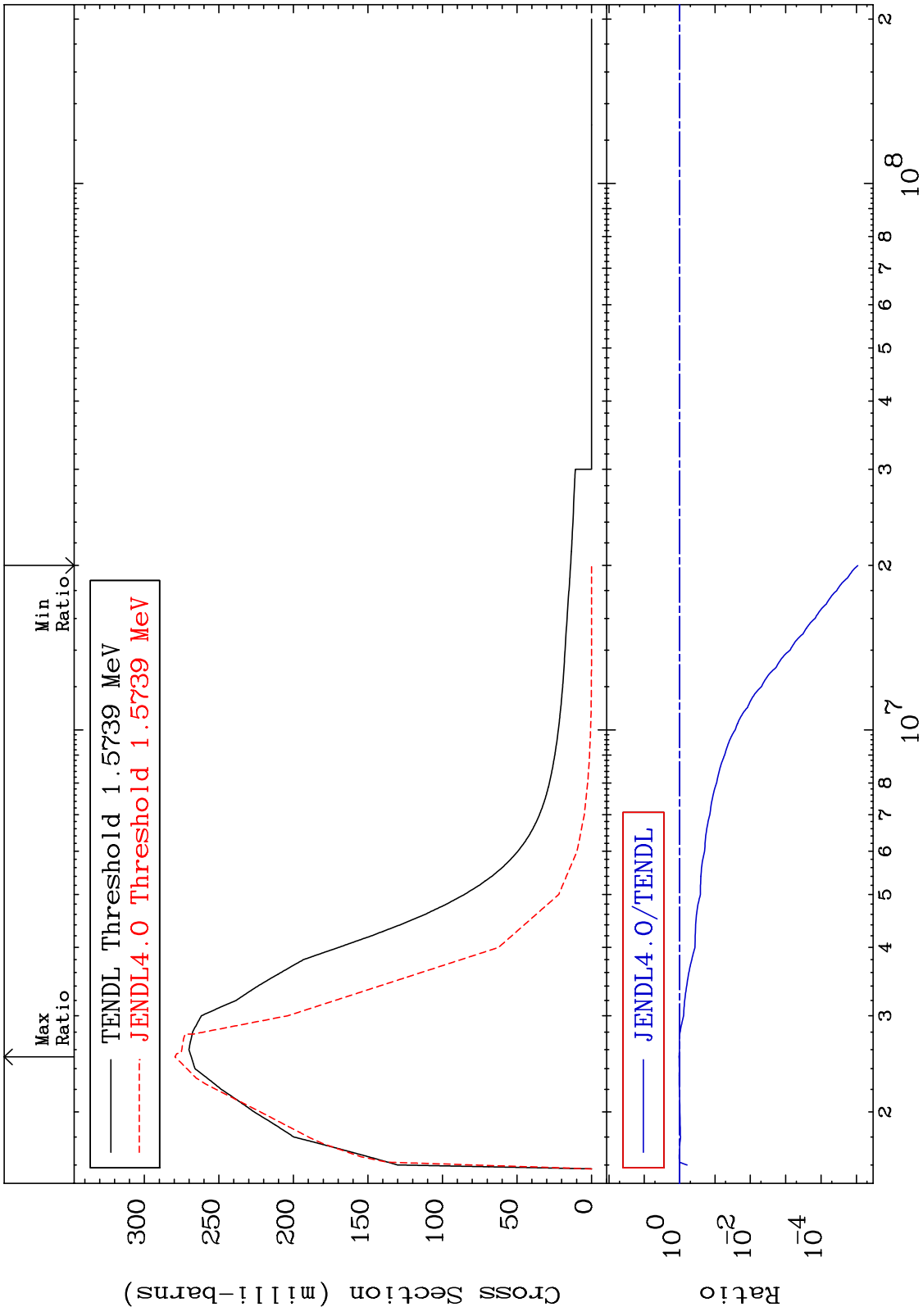
MAT 2234 (n,n') p 22-Ti-49
 Cross Section 55.88 To 7072. %



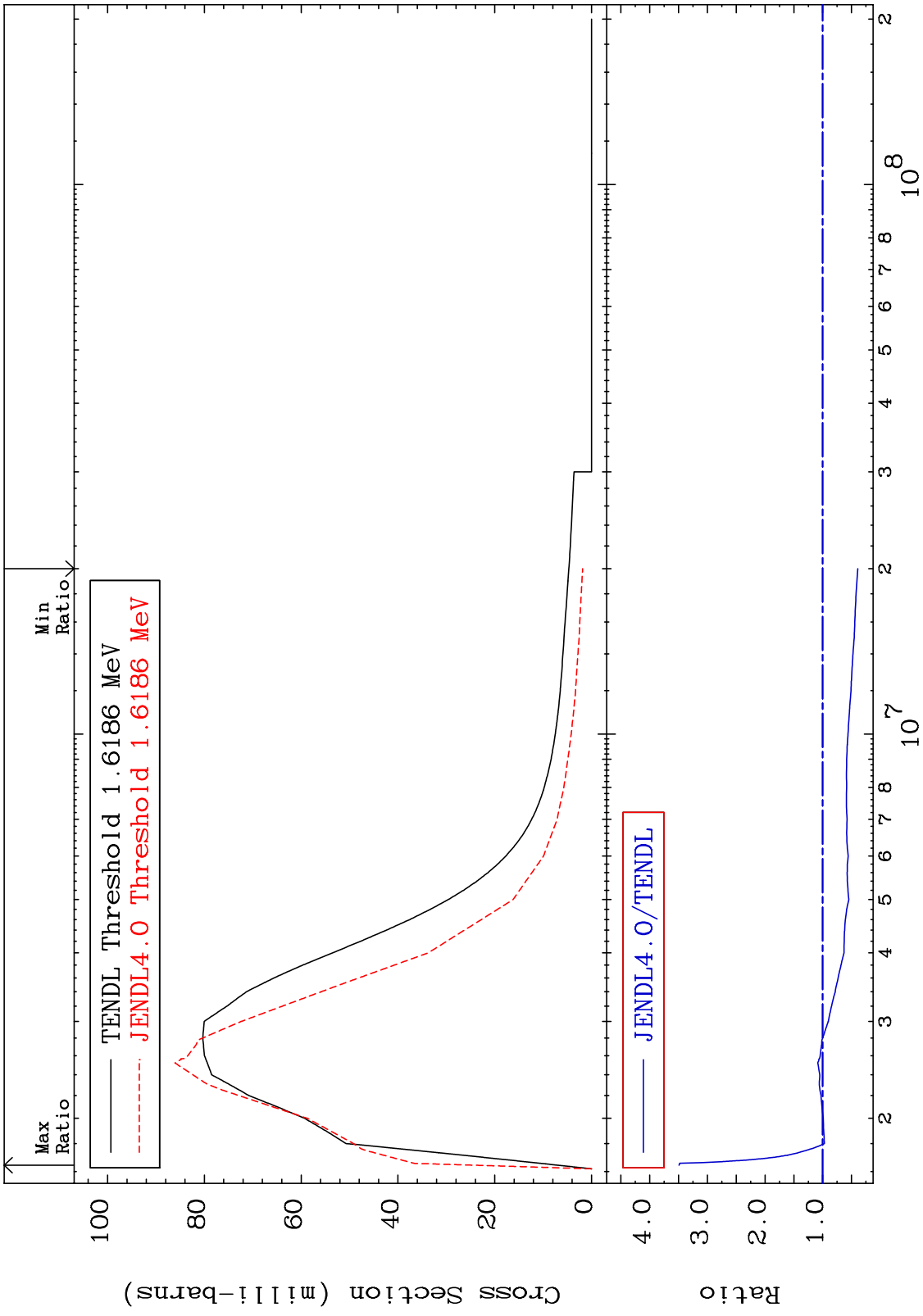
MAT 2234 MT= 51 (n,n') Level Cross Section -21.42 To 9999. % 22-Ti-49



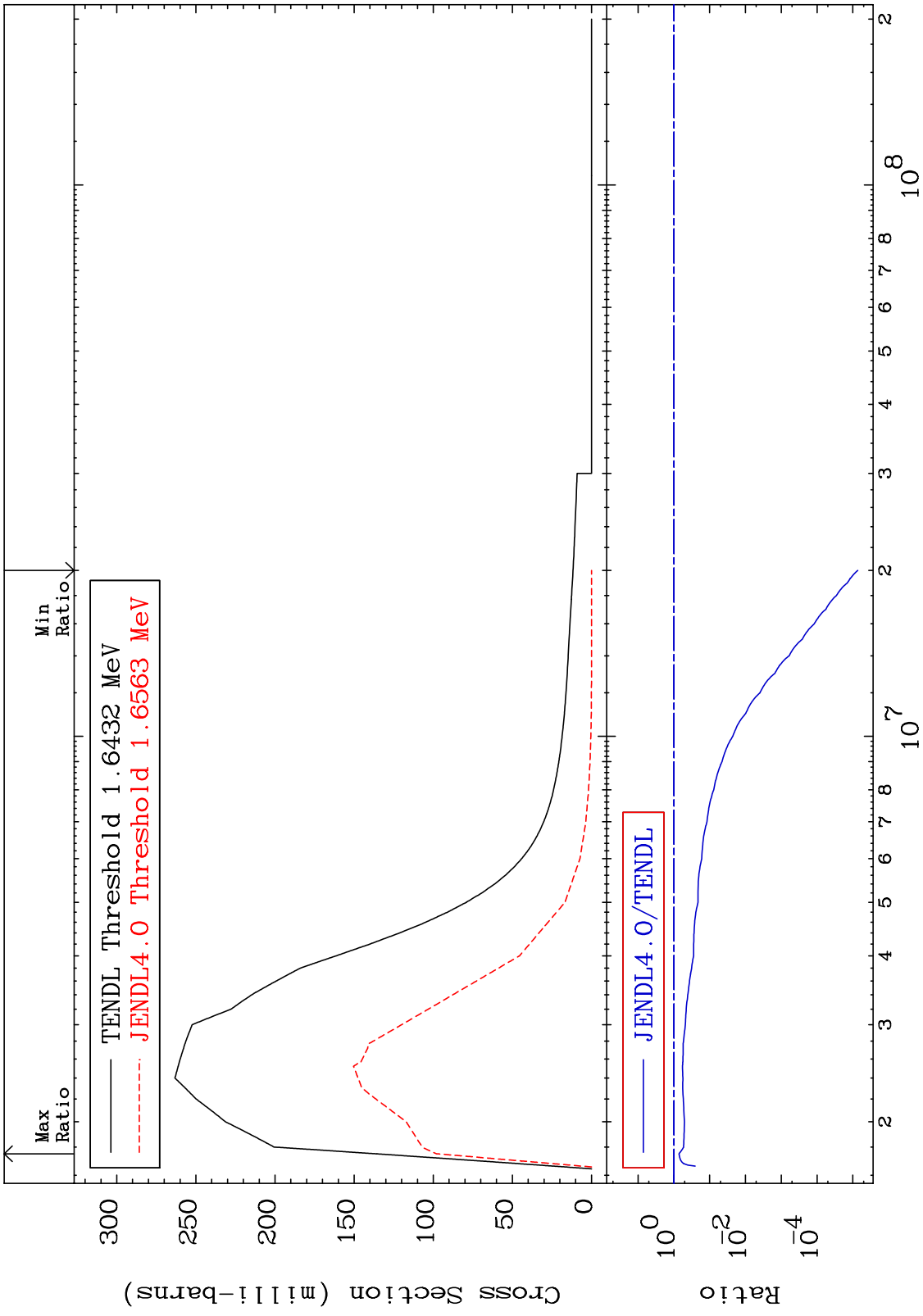
MAT 2234 MT= 52 (n,n') Level Cross Section 22-Ti-49
 -100.0 To 4.066 %



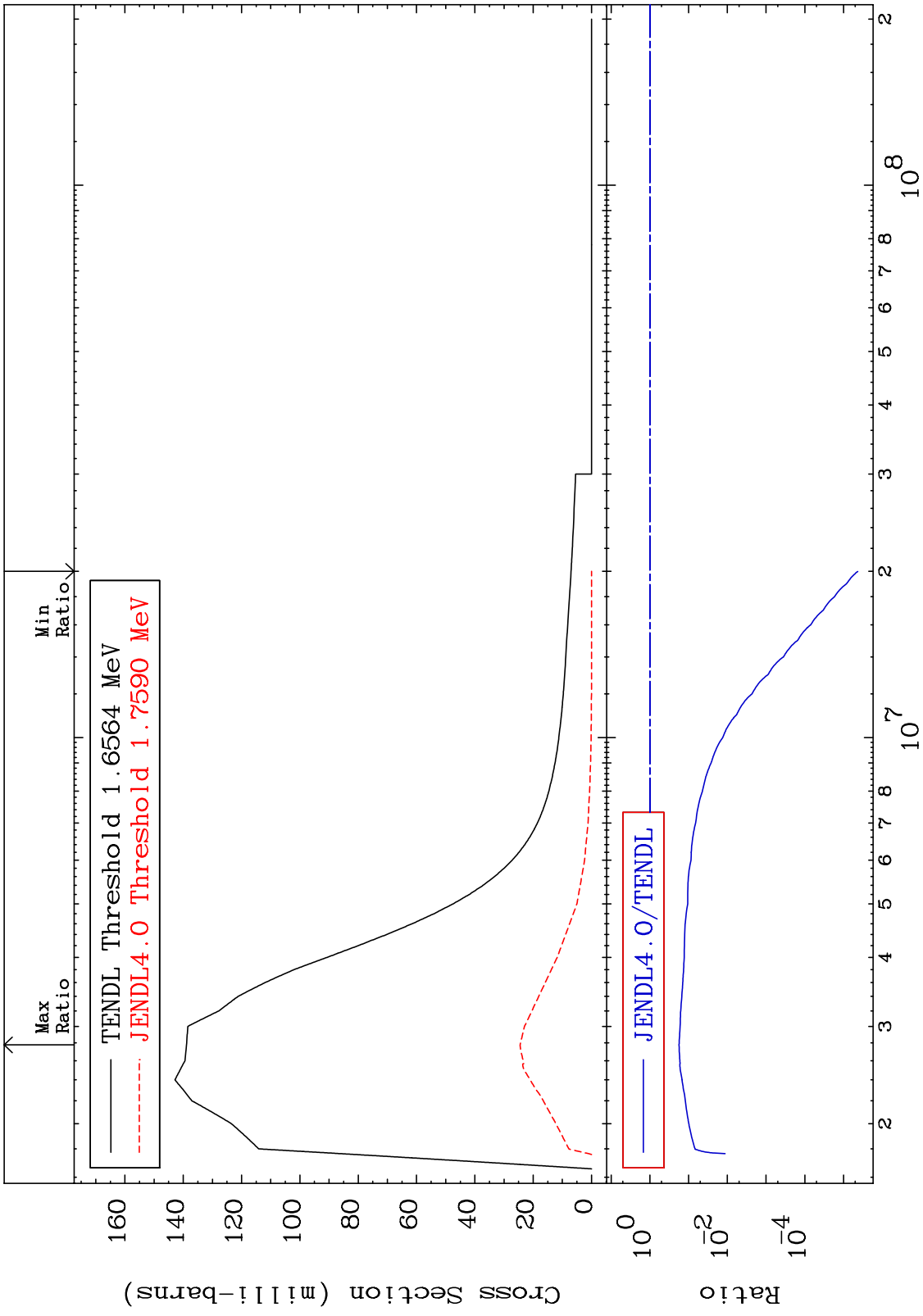
MAT 2234 MT= 53 (n,n') Level Cross Section -60.94 To 249.1 % 22-Ti-49



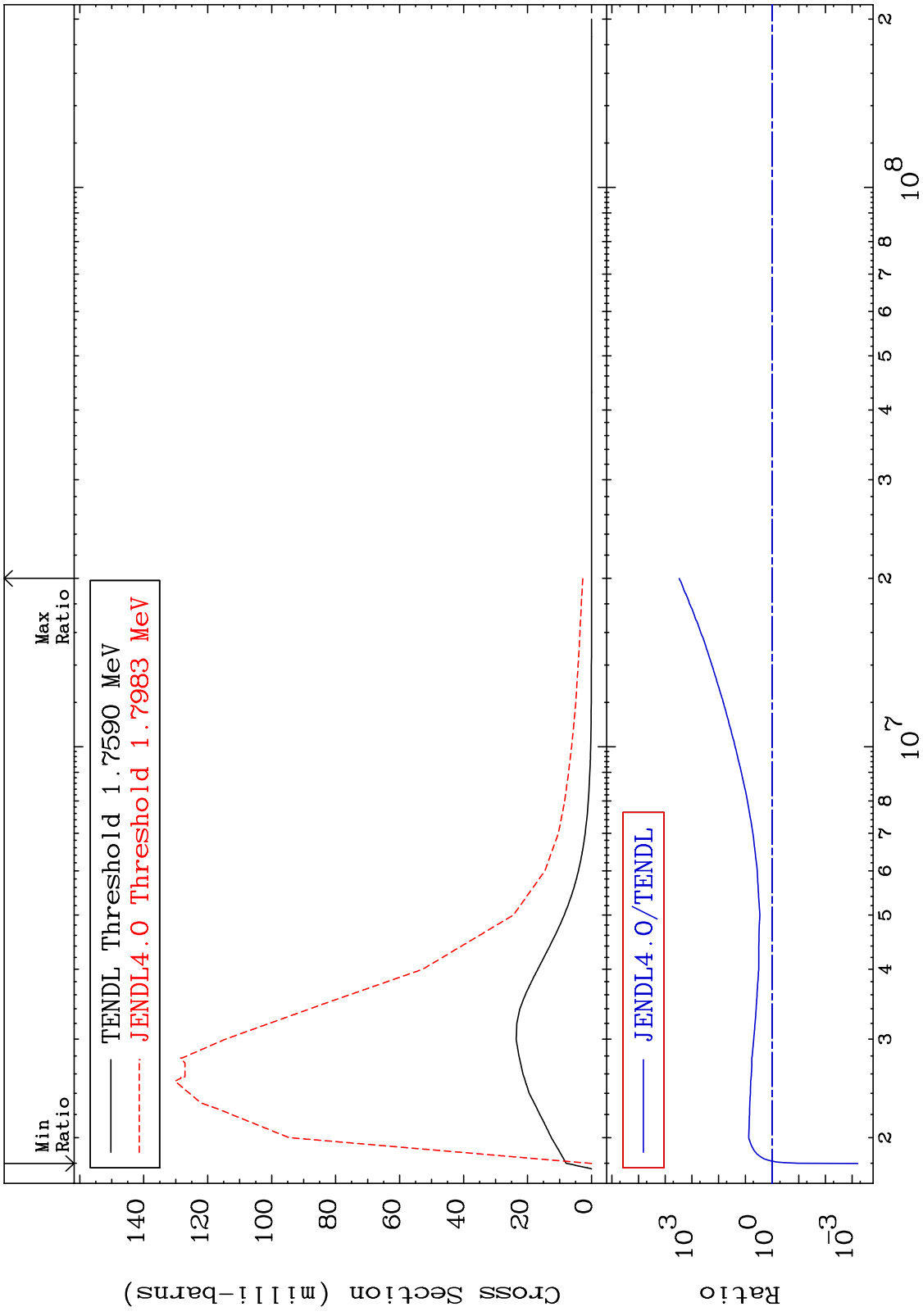
MAT 2234 MT= 54 (n,n') Level Cross Section -100.0 To -28.38% 22-Ti-49



MAT 2234 MT= 55 (n,n') Level Cross Section -100.0 To -82.36% 22-Ti-49

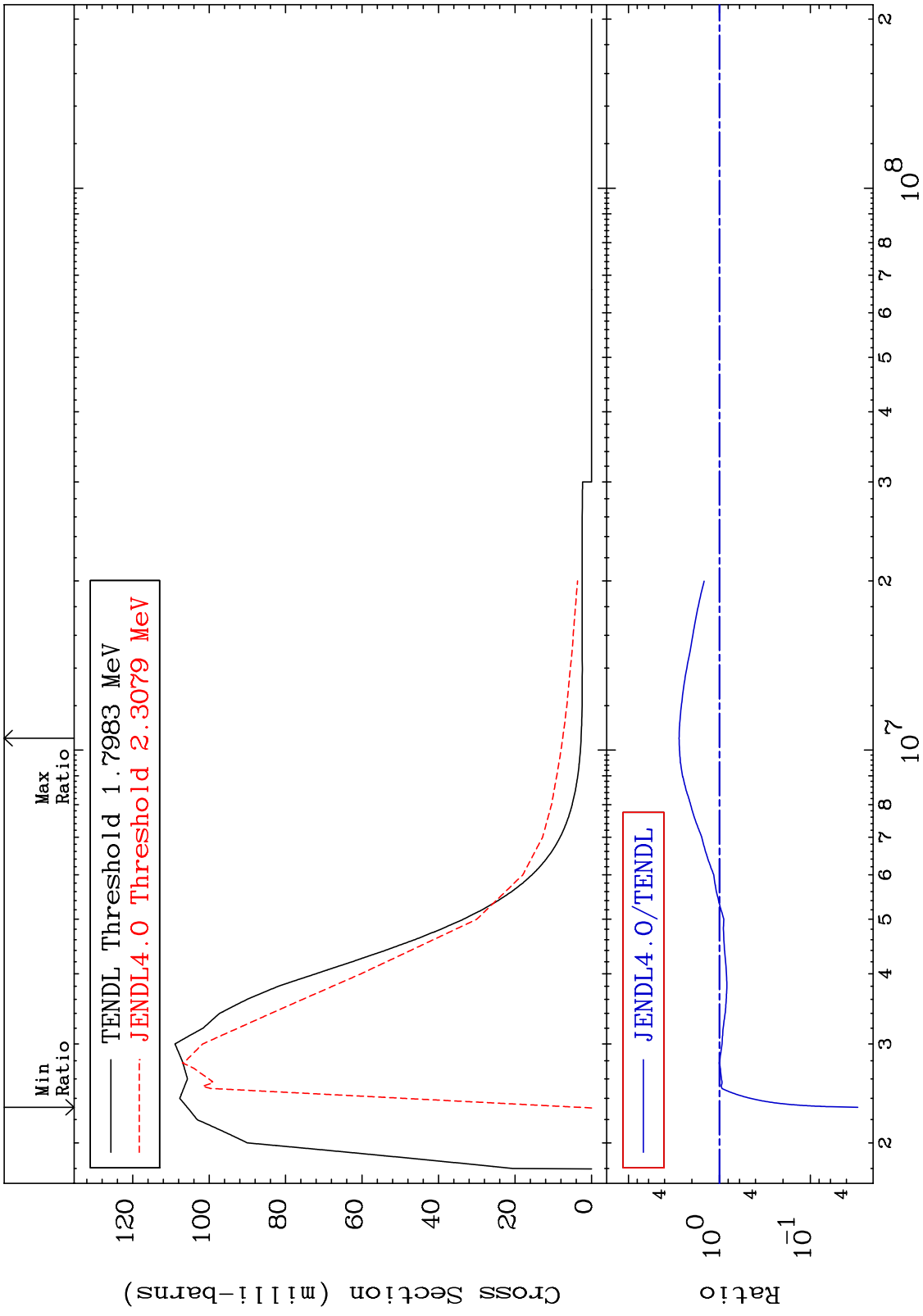


MAT 2234 MT= 56 (n,n') Level Cross Section -99.94 To 9999. % 22-Ti-49

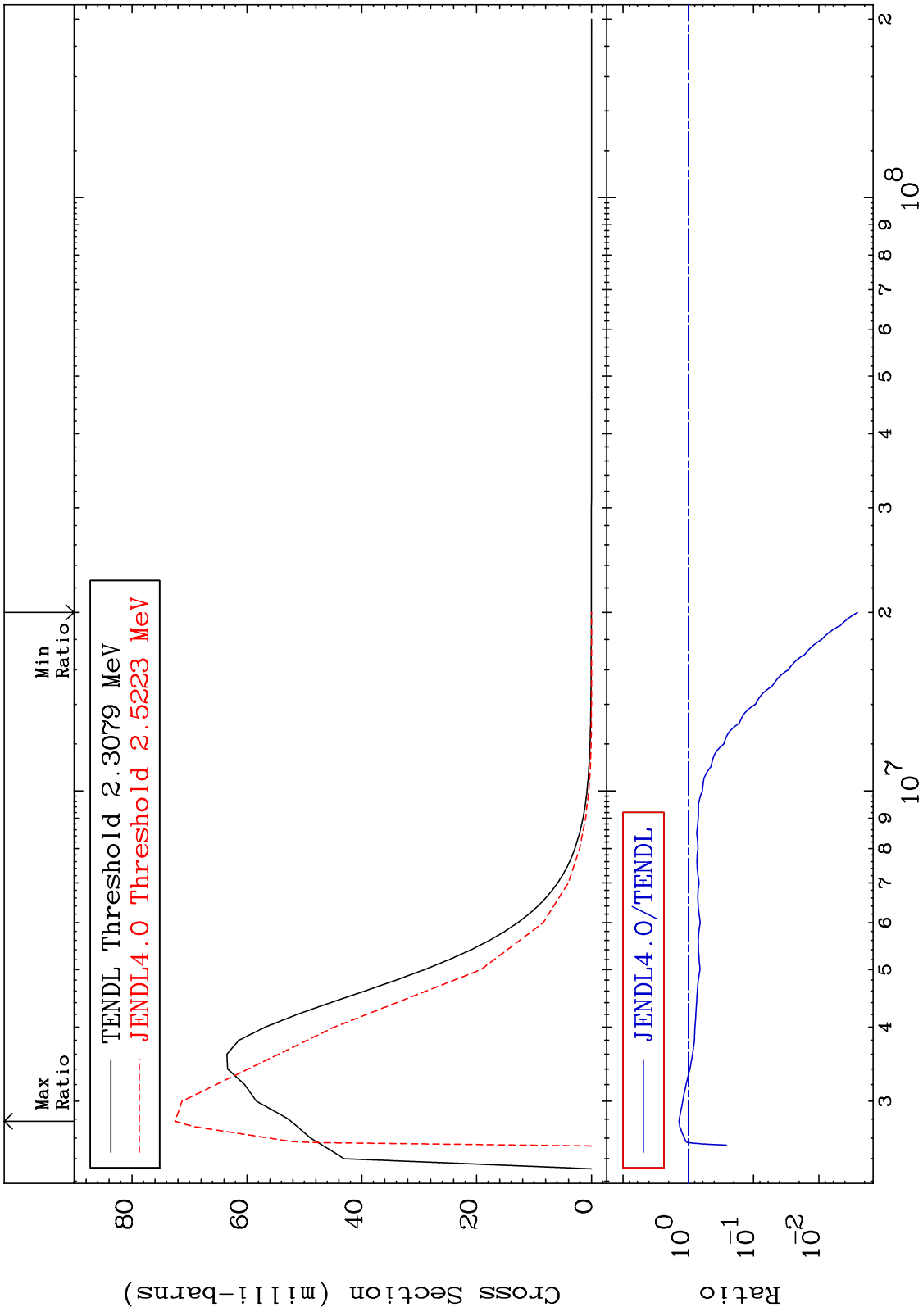


12 Incident Energy (eV) 22-Ti-49

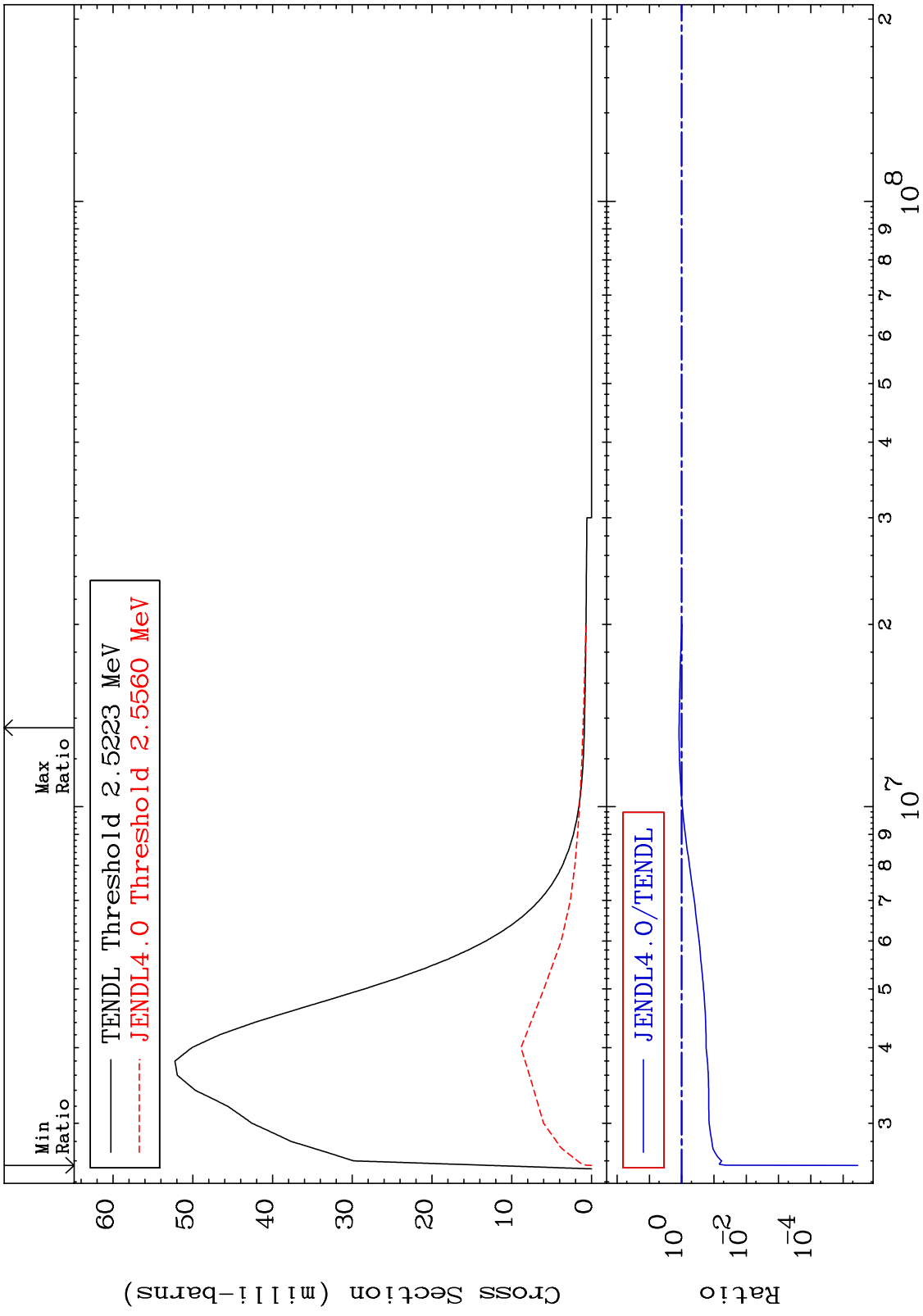
MAT 2234 MT= 57 (n,n') Level Cross Section 22-Ti-49 -97.00 To 177.3 %



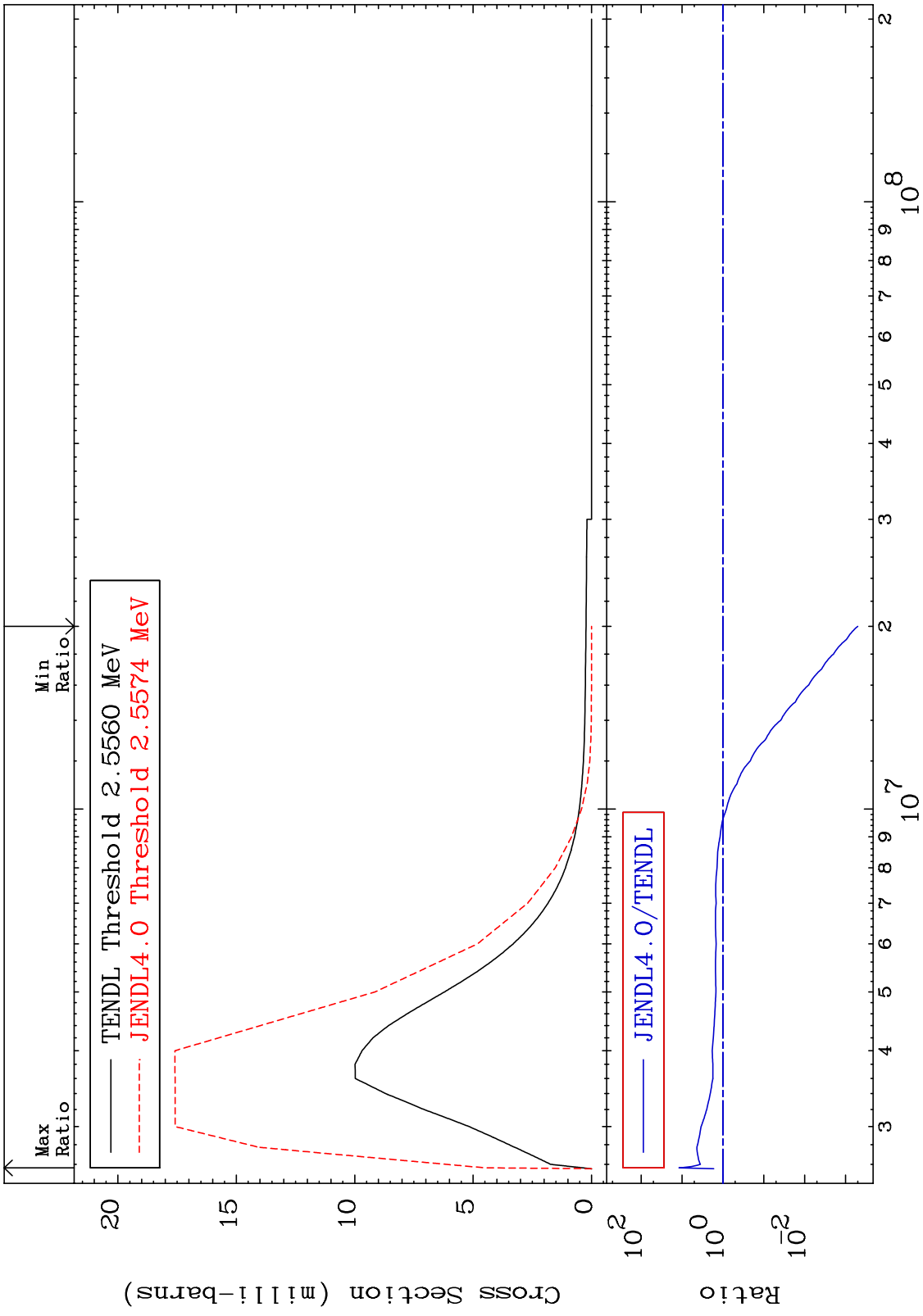
MAT 2234 MT= 58 (n,n') Level Cross Section 22-Ti-49 -99.75 To 38.58 %



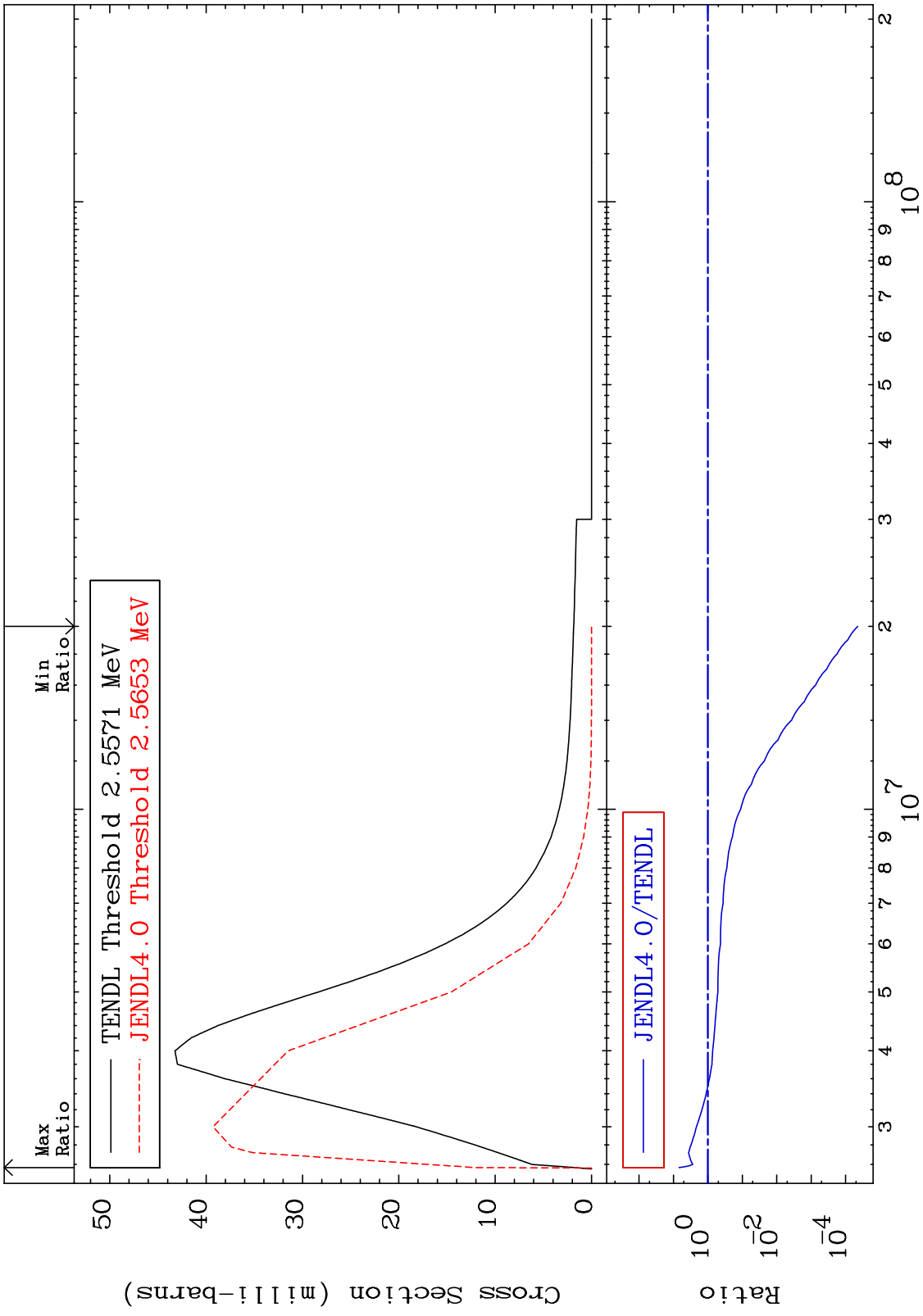
MAT 2234 MT= 59 (n,n') Level 22-Ti-49
 Cross Section -100.0 To 20.53 %



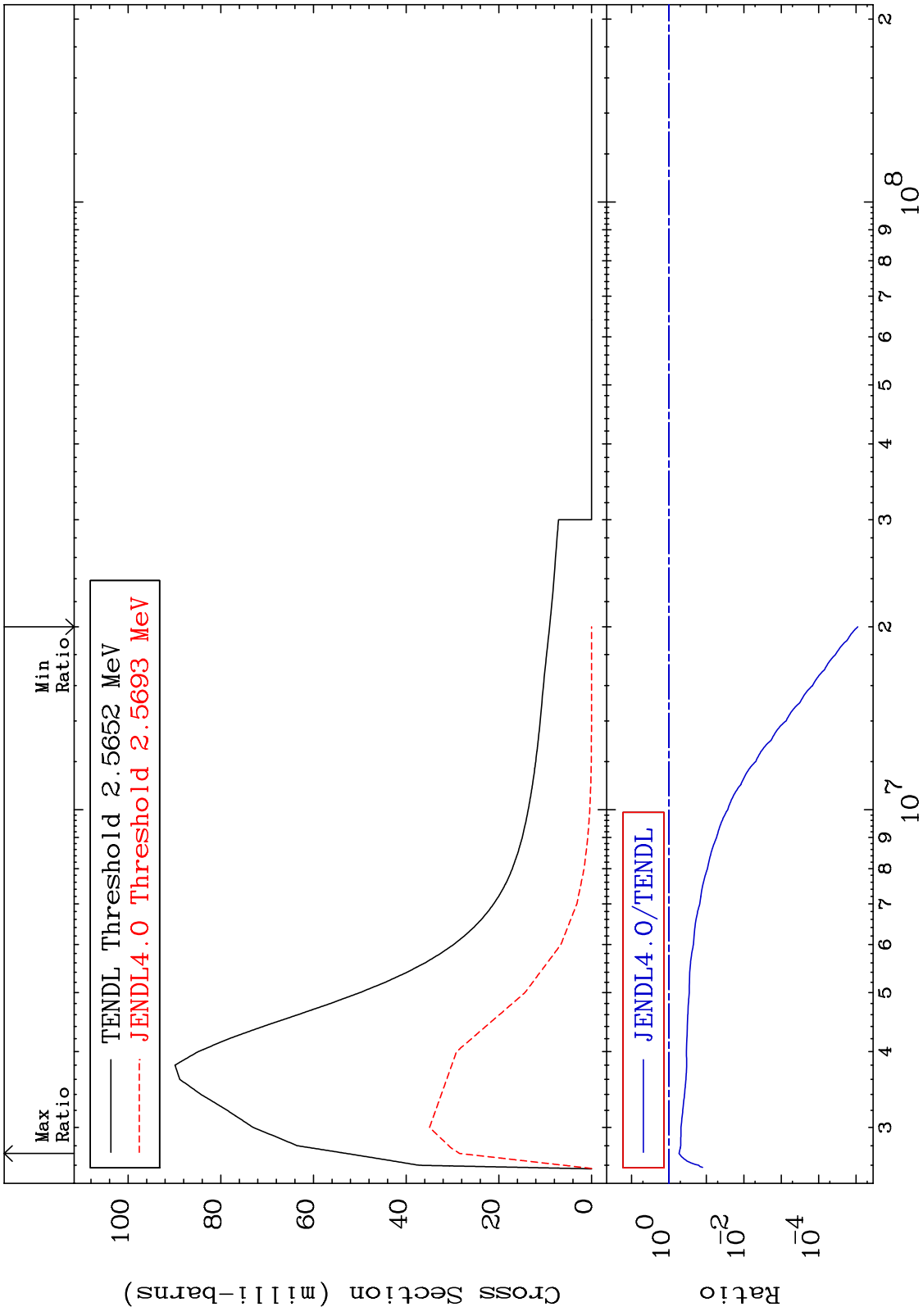
MAT 2234 MT= 60 (n,n') Level 22-Ti-49
 Cross Section -99.95 To 1079. %



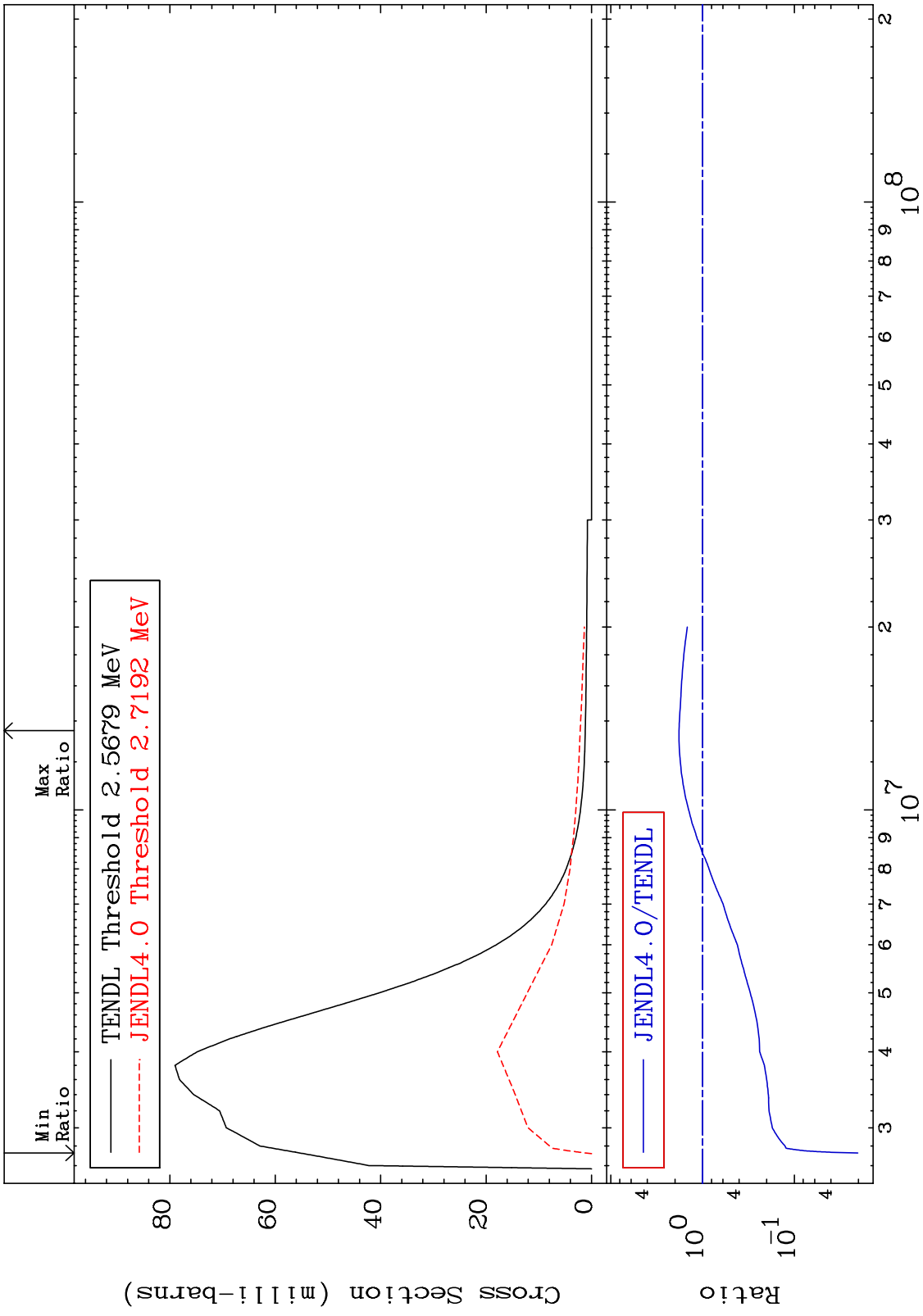
MAT 2234 MT= 61 (n,n') Level 22-Ti-49
 Cross Section -100.0 To 589.4 %



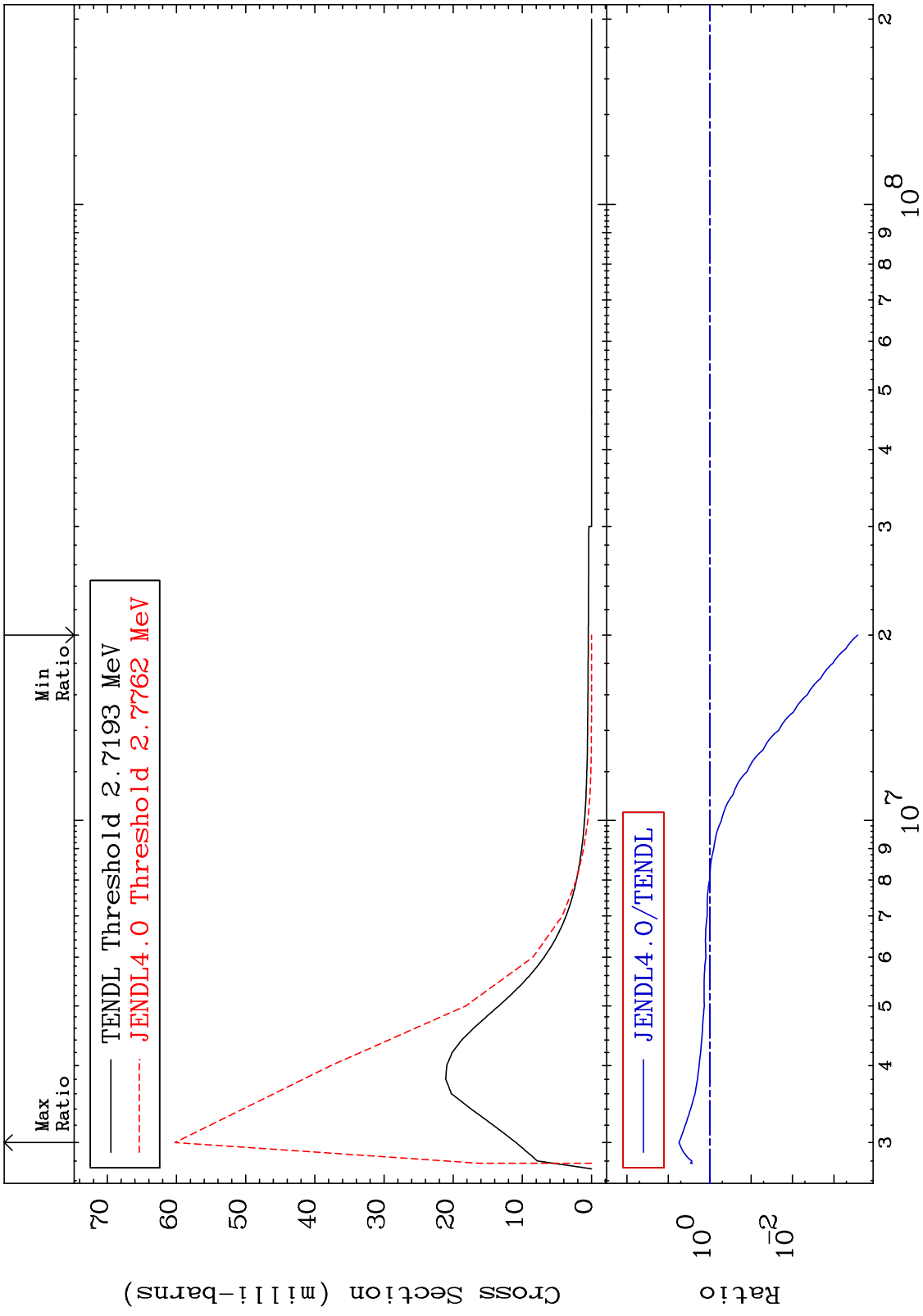
MAT 2234 MT= 62 (n,n') Level Cross Section 22-Ti-49
 -100.0 To -46.15%



MAT 2234 MT= 63 (n,n') Level 22-Ti-49
 Cross Section -97.97 To 80.47 %

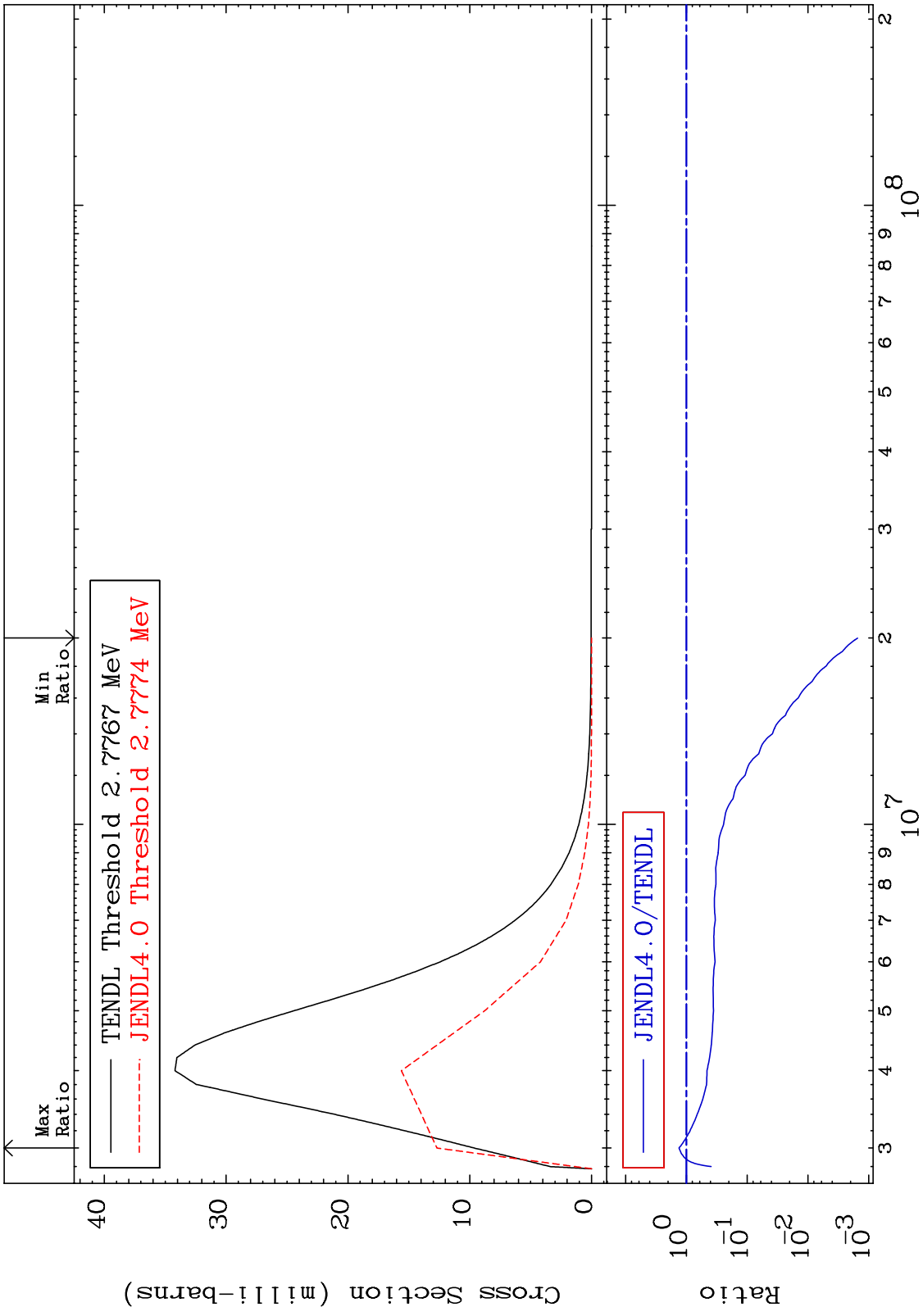


MAT 2234 MT= 64 (n,n') Level Cross Section 22-Ti-49
 -99.97 To 450.8 %

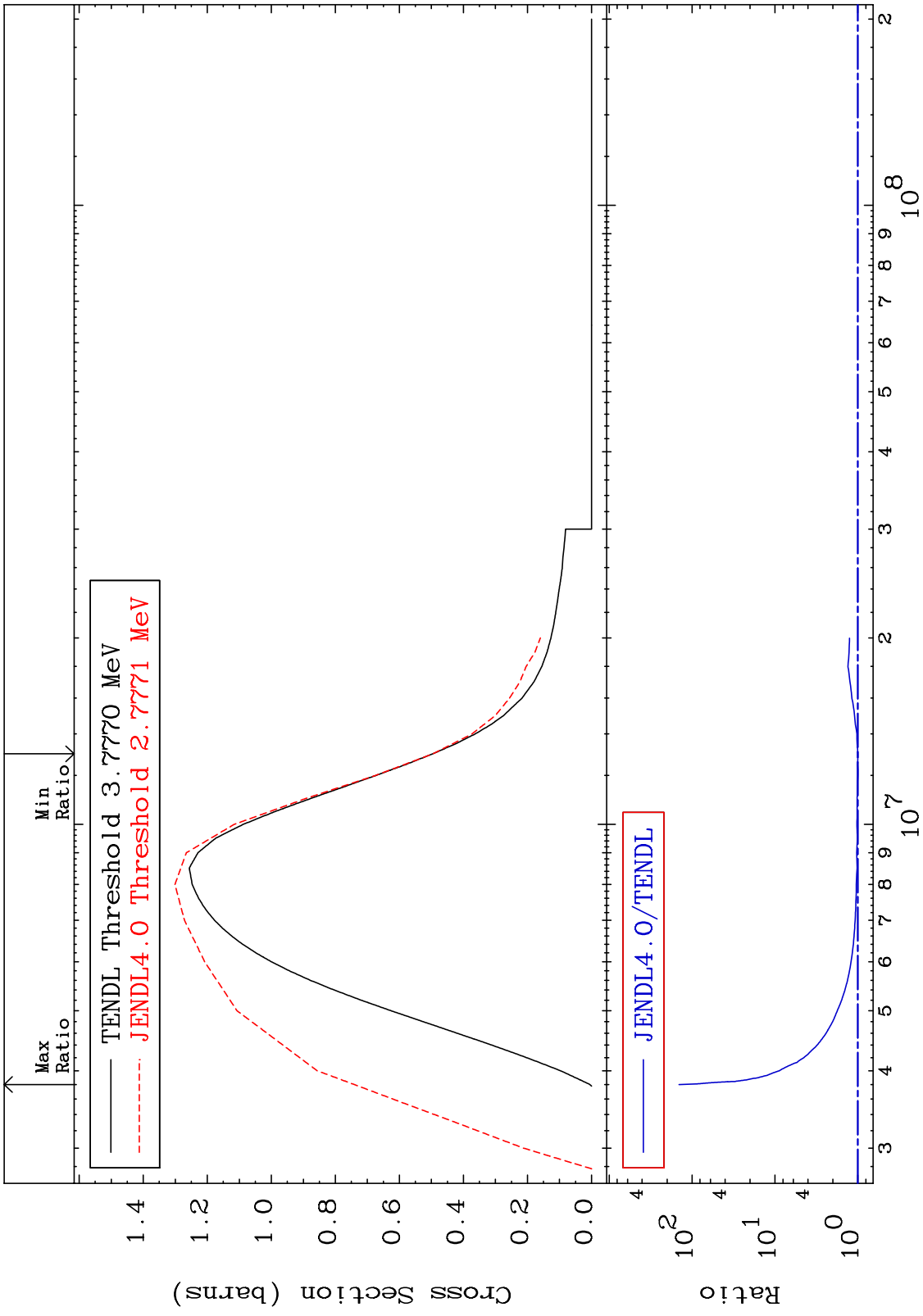


20 Incident Energy (eV) 22-Ti-49

MAT 2234 MT= 65 (n,n') Level Cross Section -99.85 To 31.87 % 22-Ti-49



MAT 2234 (n,n') Continuum Cross Section 22-Ti-49
 -0.012 To 9999. %



22 22-Ti-49

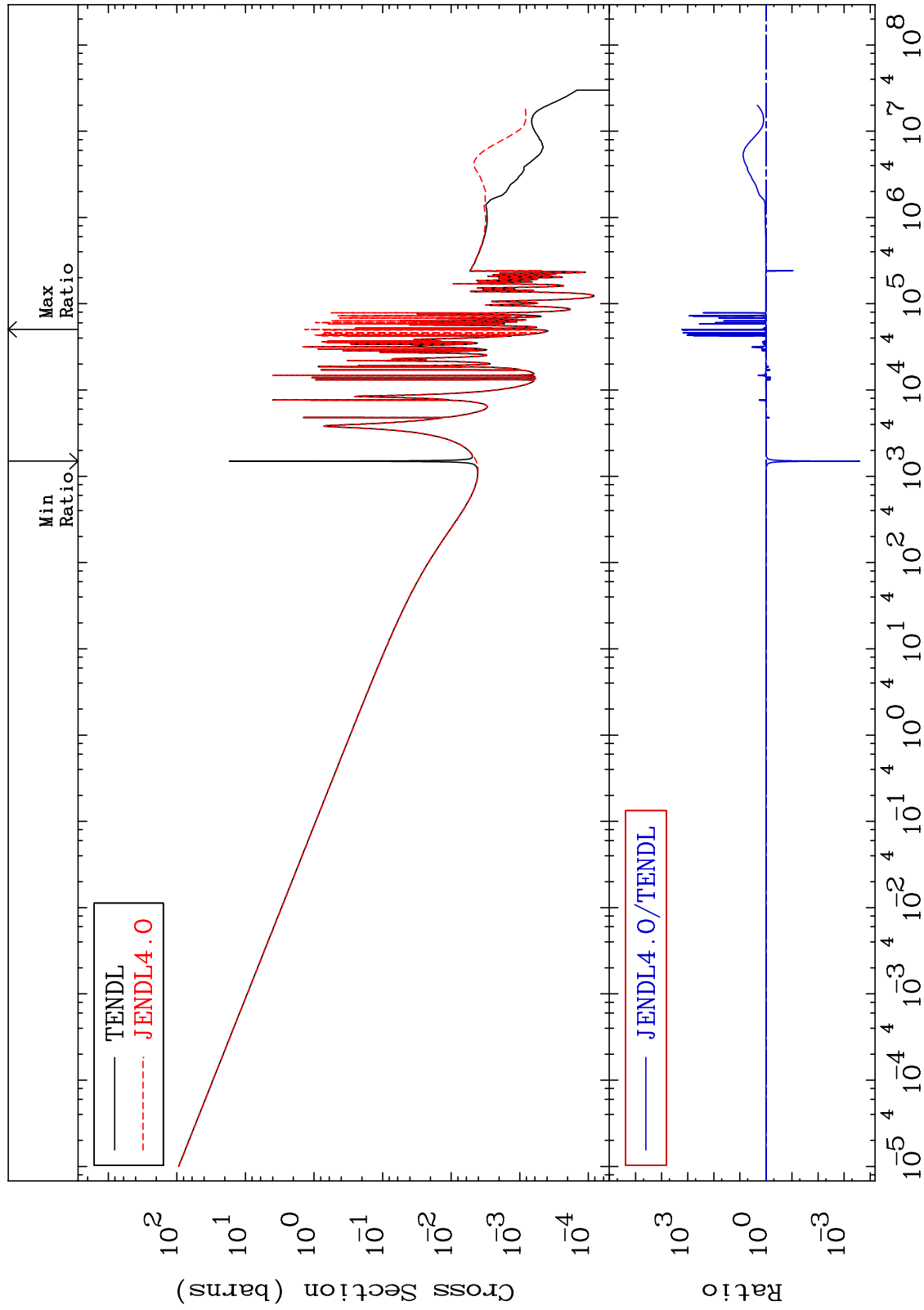
MAT 2234

(n, γ)

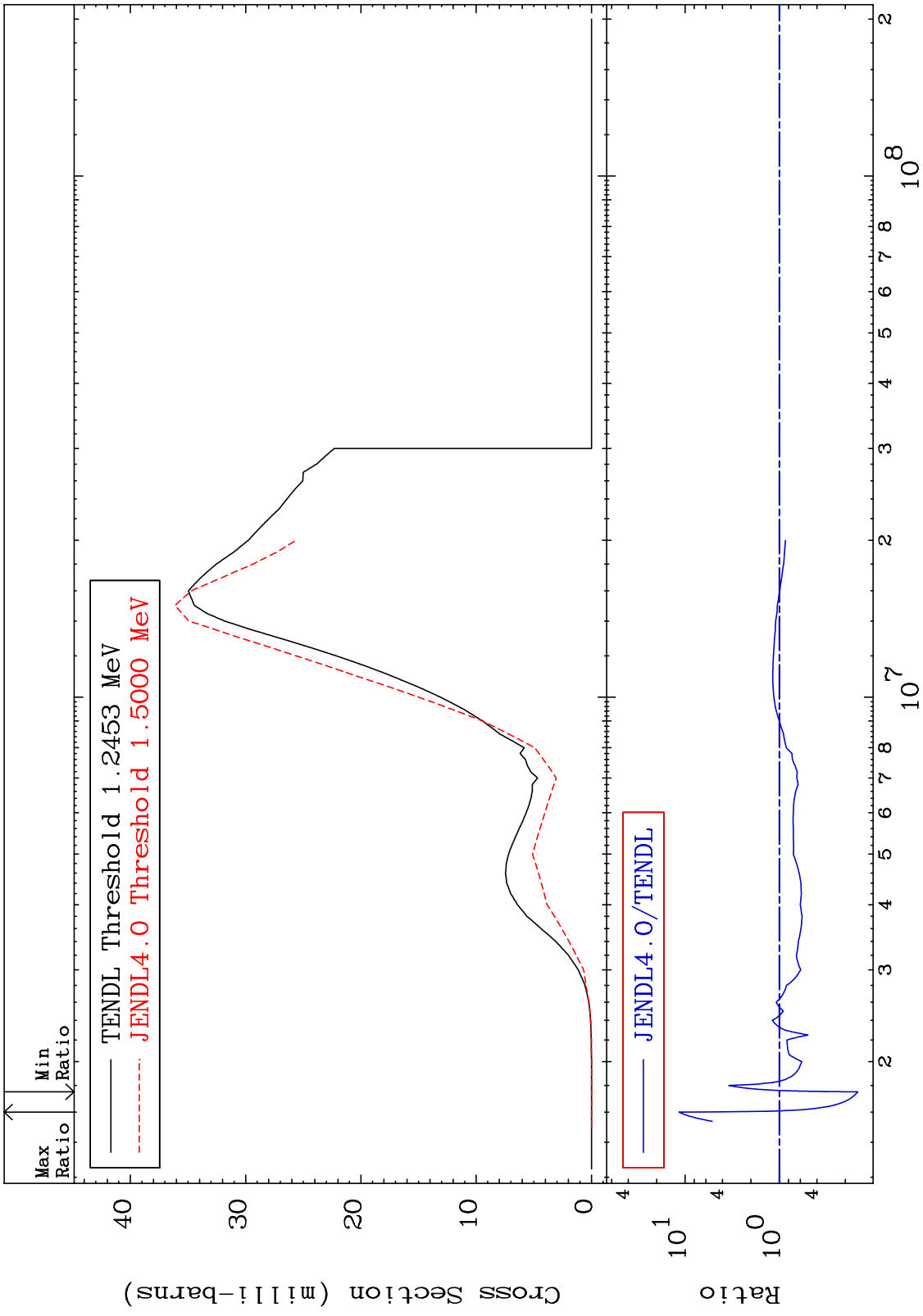
22-Ti-49

Cross Section

-99.97 To 9999. %

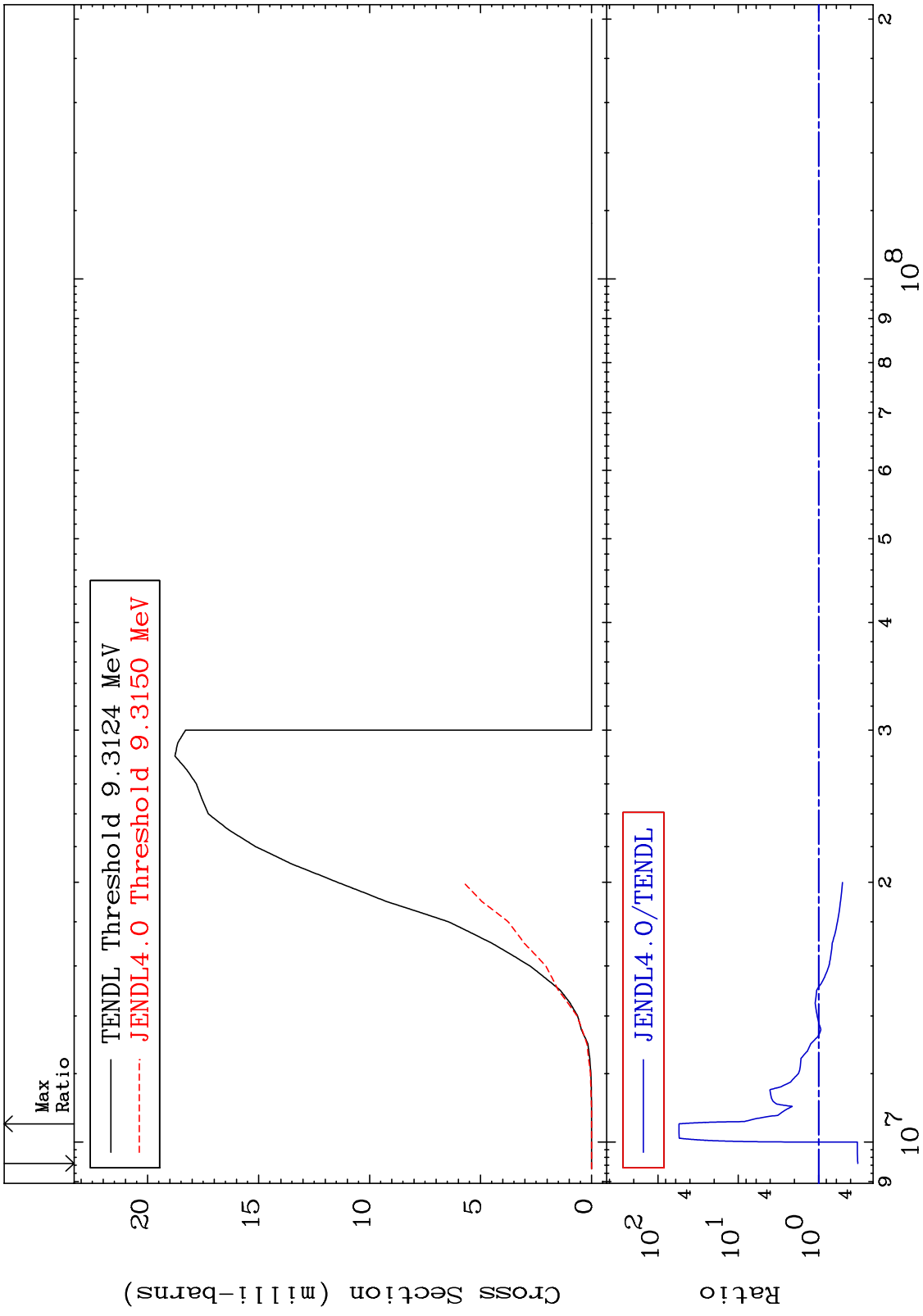


MAT 2234 (n,p) 22-Ti-49
 Cross Section -85.26 To 1058. %

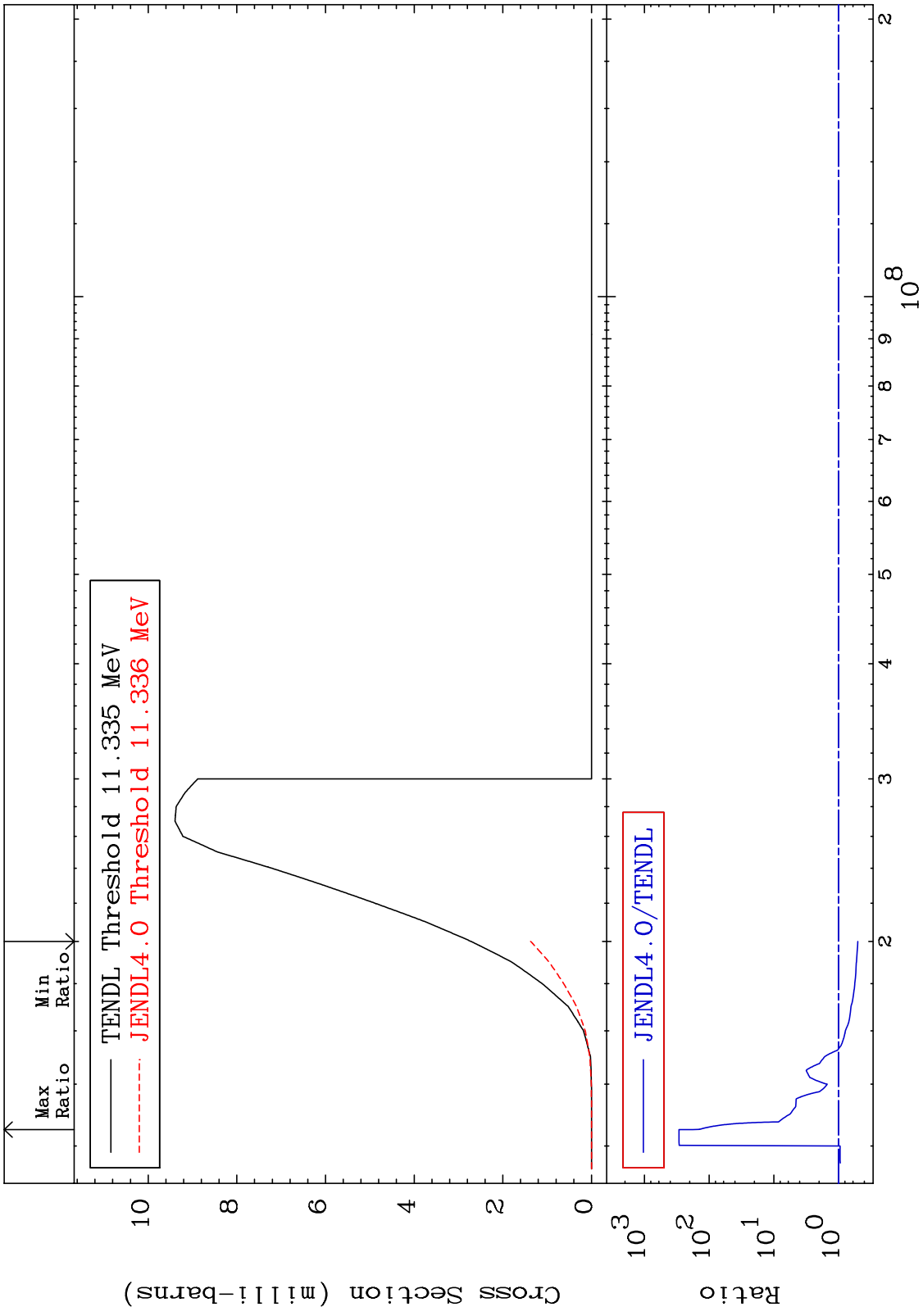


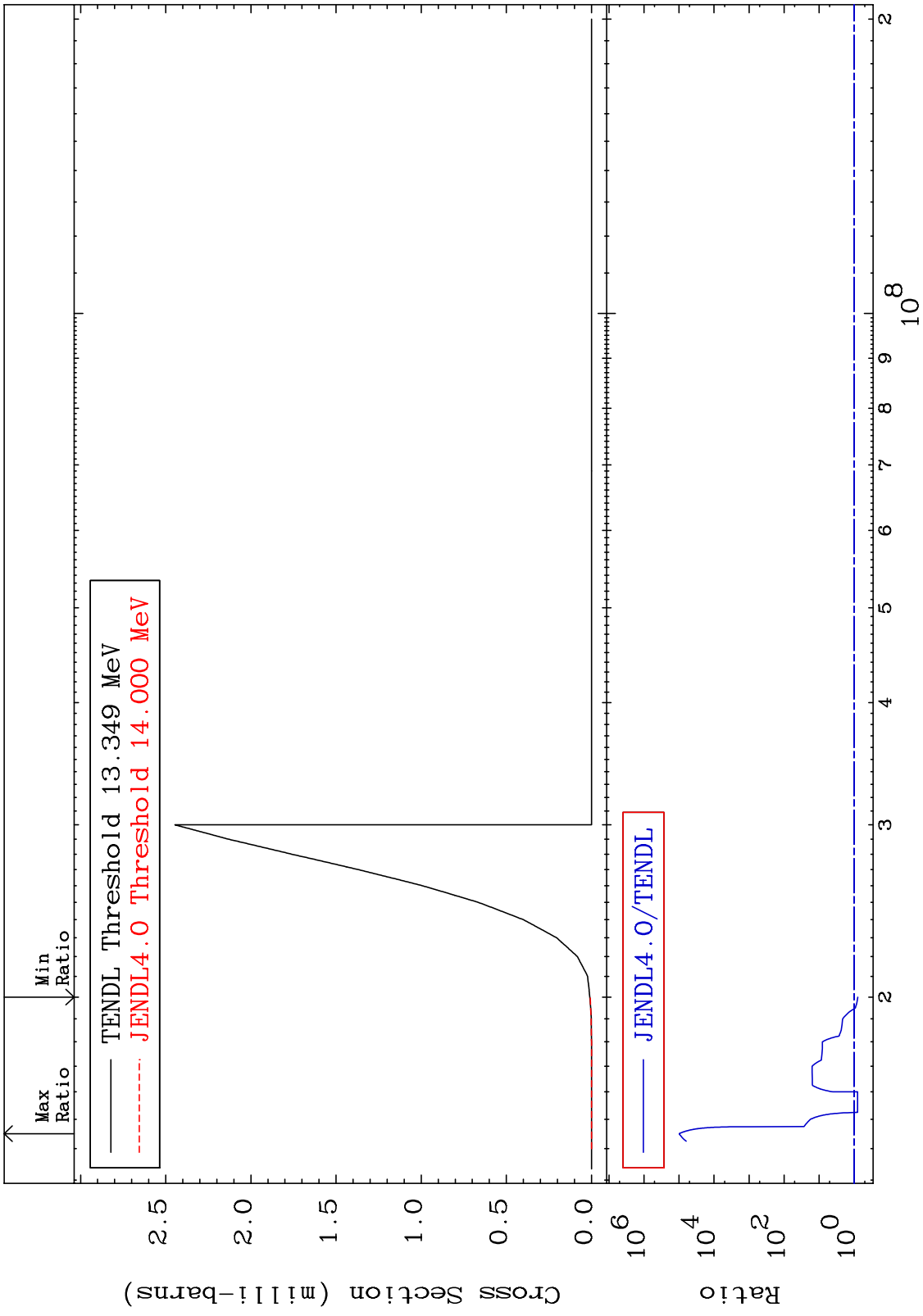
24 22-Ti-49

MAT 2234 (n,d) Cross Section 22-Ti-49
 -67.53 To 5358. %



25 22-Ti-49 Incident Energy (eV)





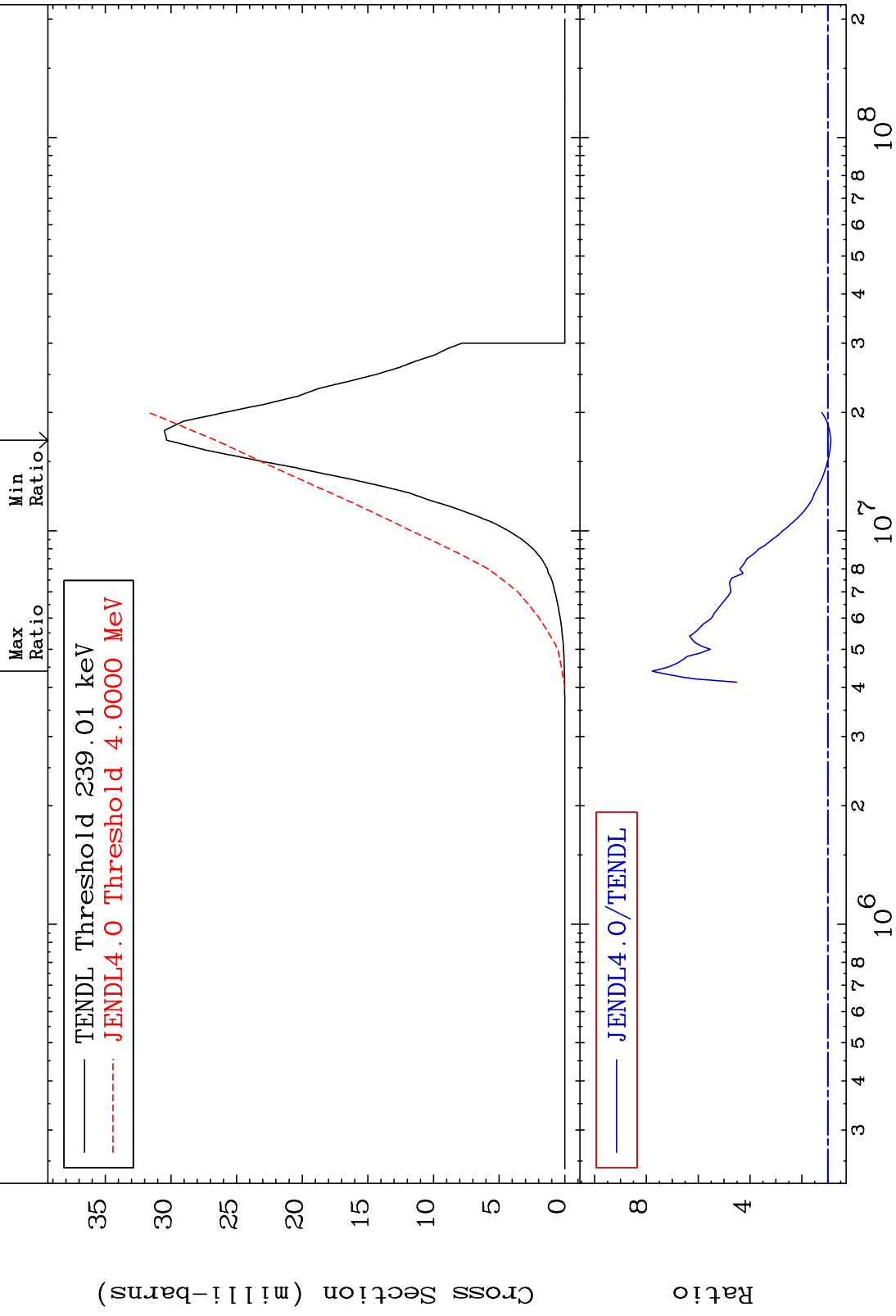
MAT 2234

(n, α)

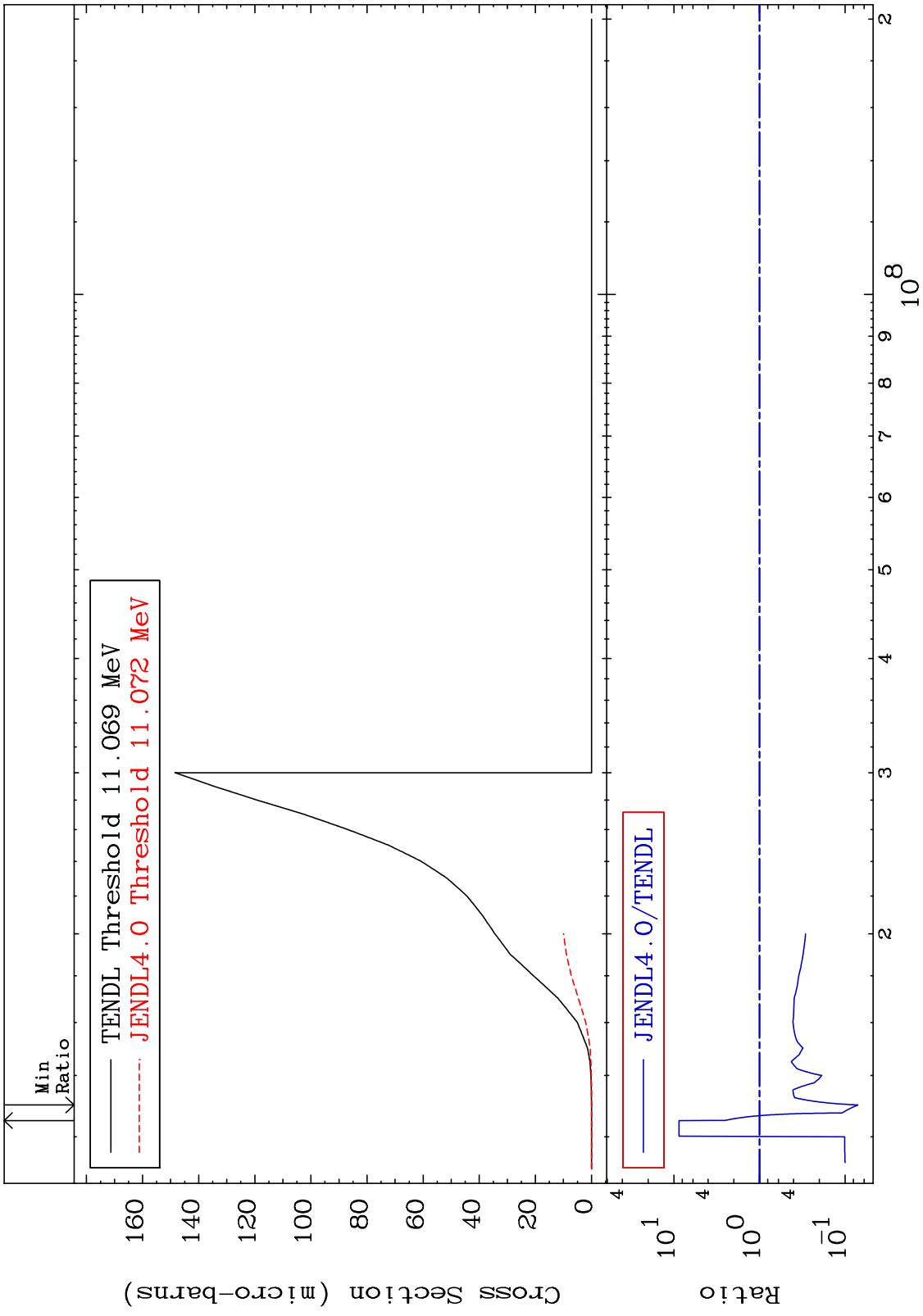
22-Ti-49

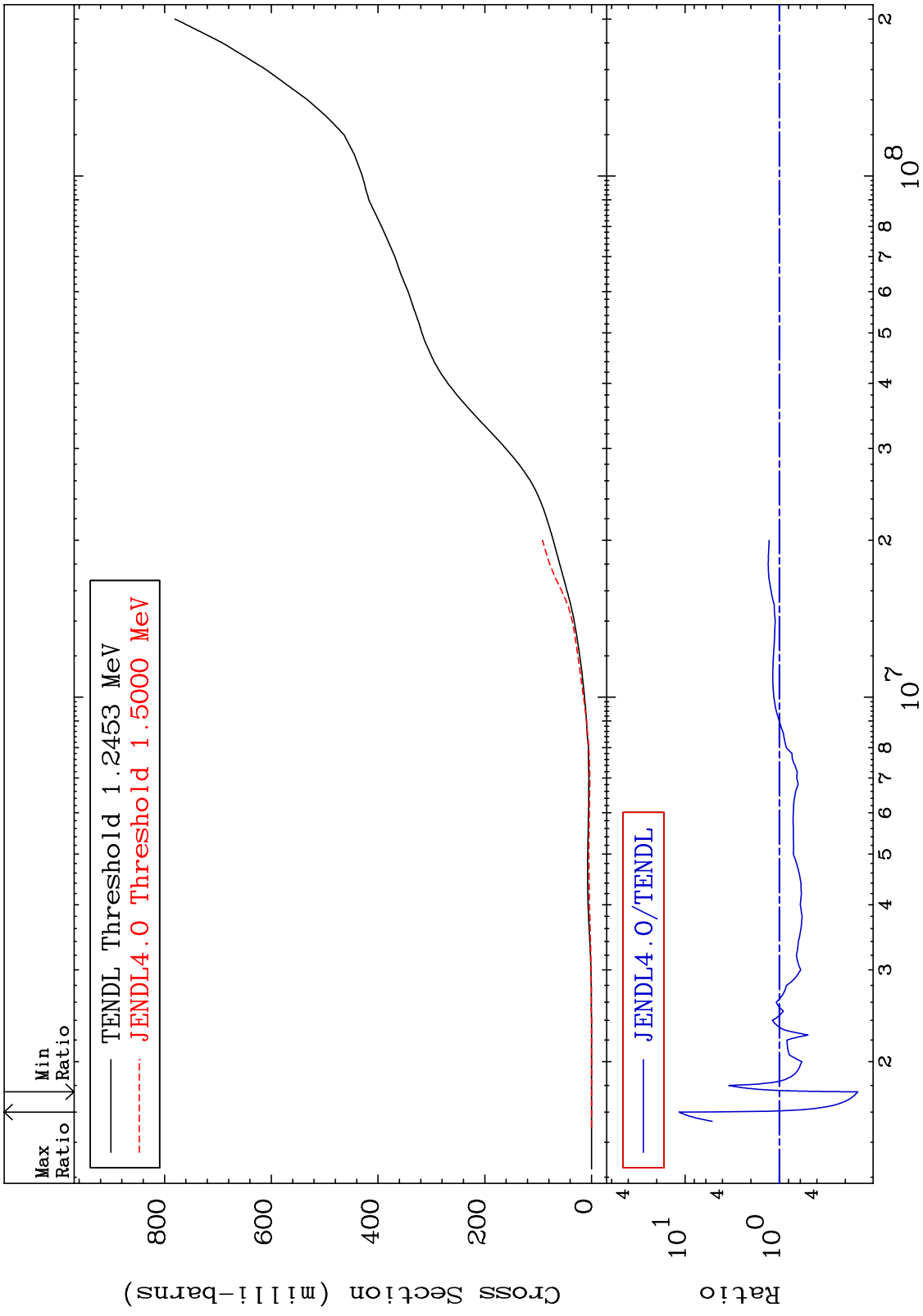
-12.28 To 677.3 %

Cross Section



MAT 2234 (n,2p) Cross Section 22-Ti-49
 -92.90 To 771.7 %

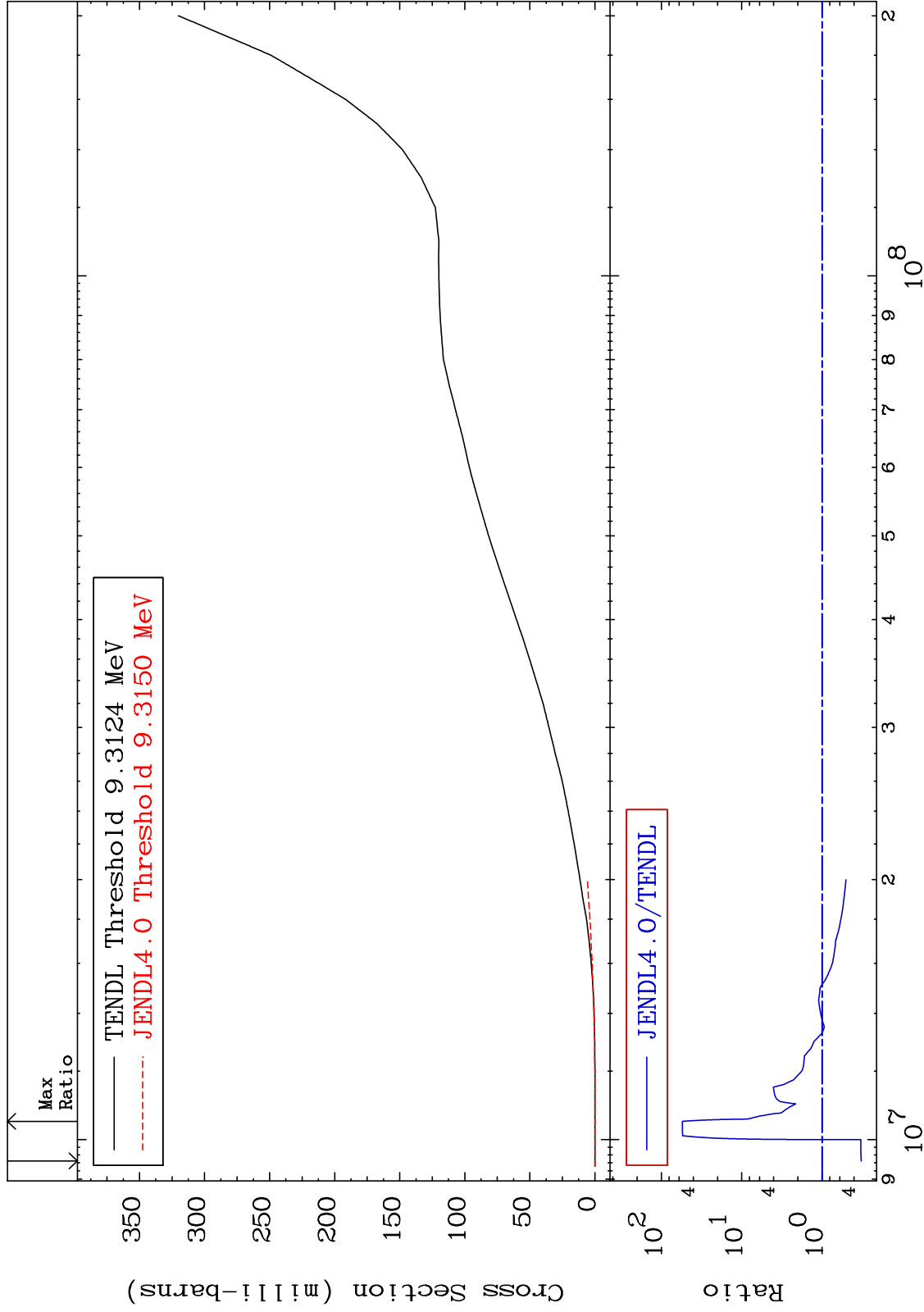




MAT 2234

Deuterium Production
Cross Section

22-Ti-49
-67.53 To 5358. %



31

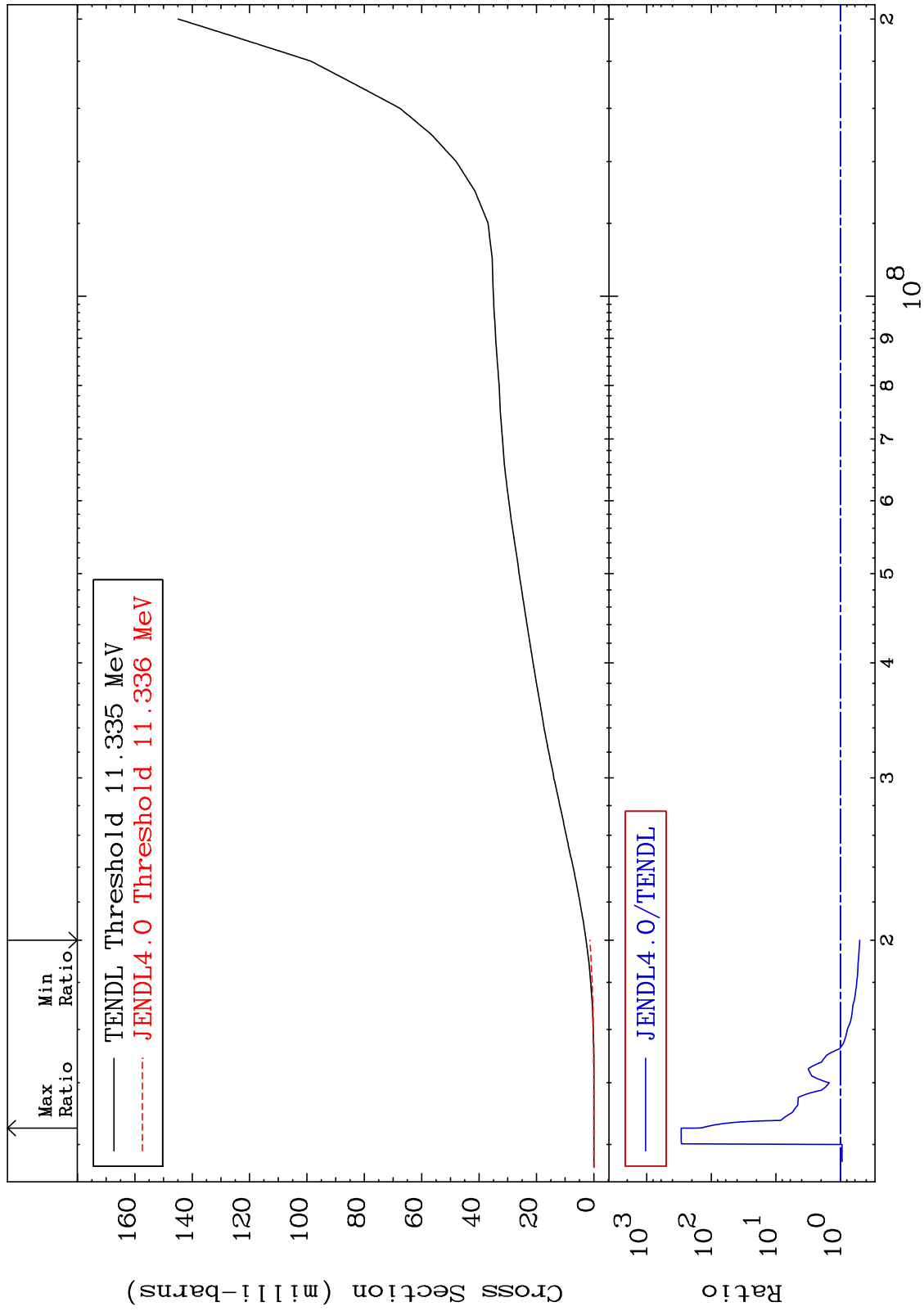
Incident Energy (eV)

22-Ti-49

MAT 2234

Tritium Production
Cross Section

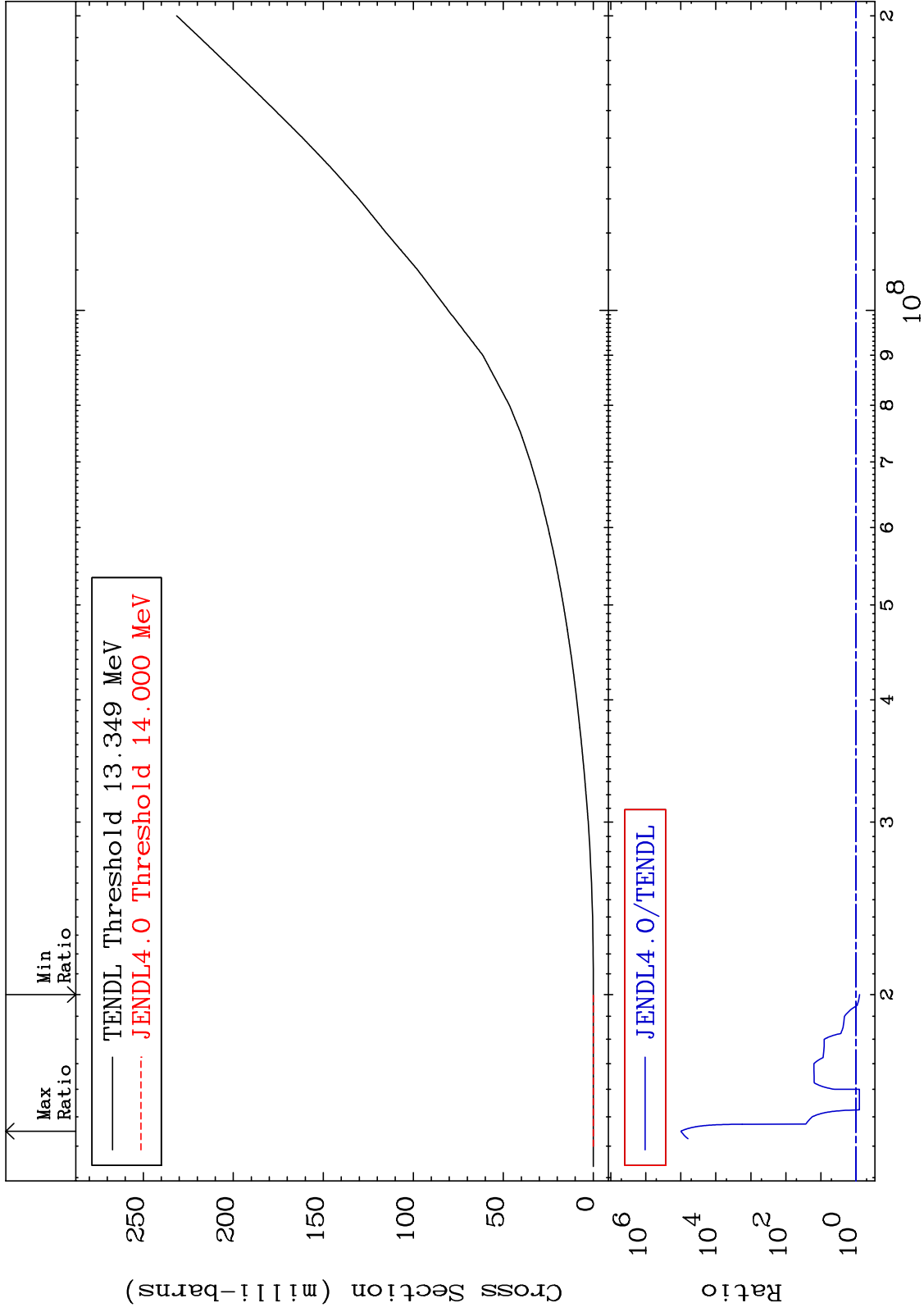
22-Ti-49
-49.51 To 9999. %



MAT 2234

He-3 Production
Cross Section

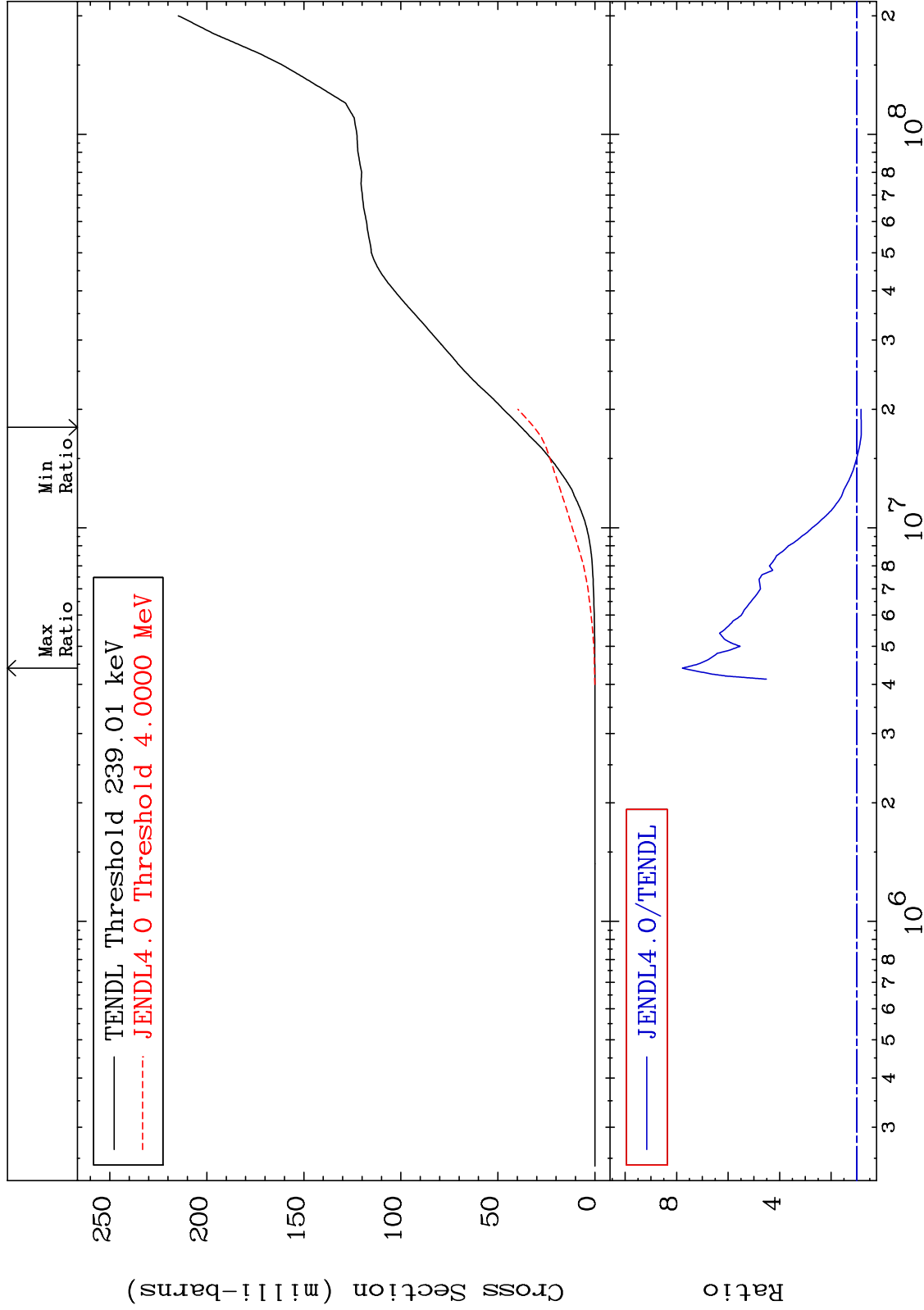
22-Ti-49
-21.56 To 9999. %



MAT 2234

He-4 Production
Cross Section

22-Ti-49
-17.42 To 677.3 %

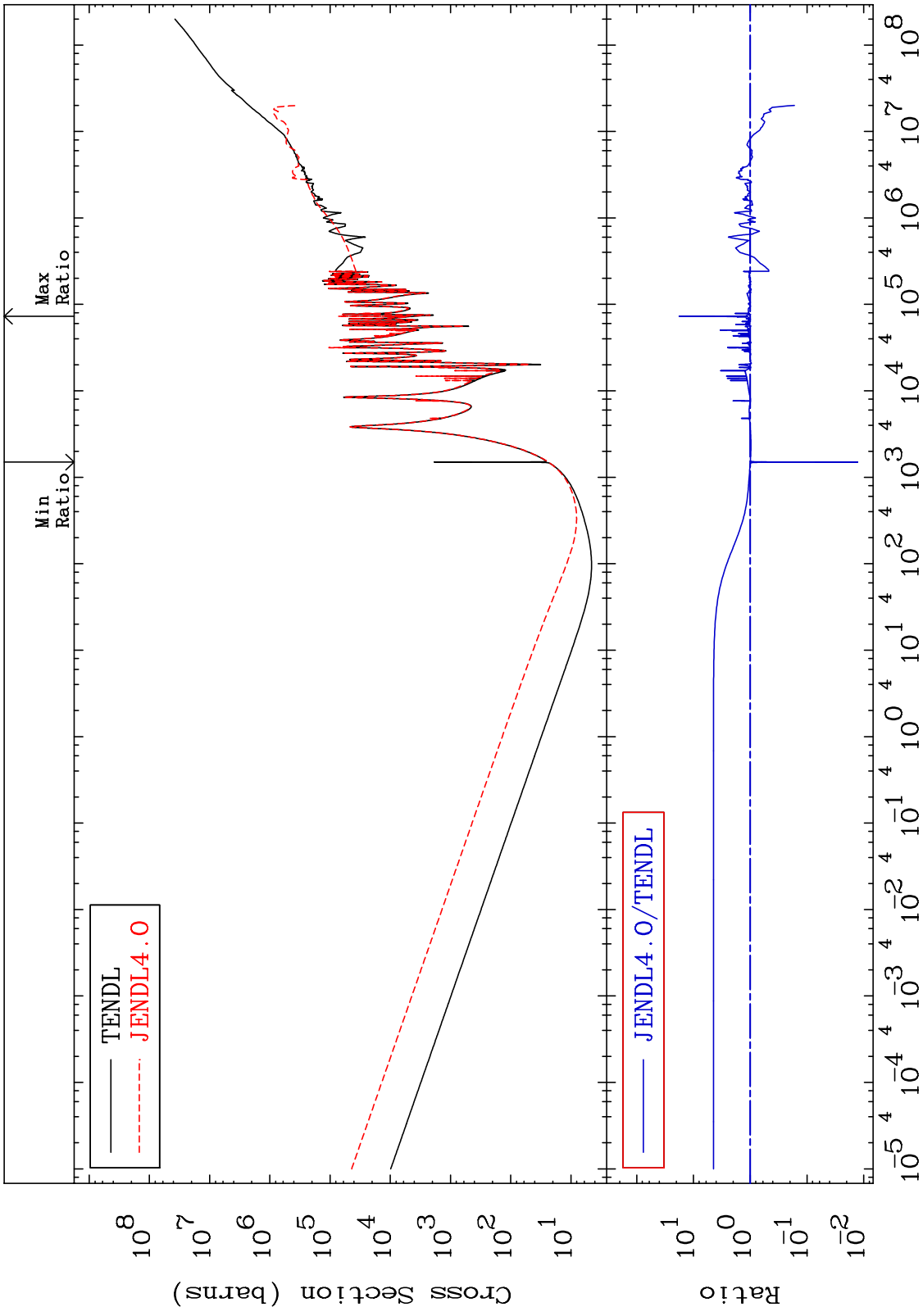


34

Incident Energy (eV)

22-Ti-49

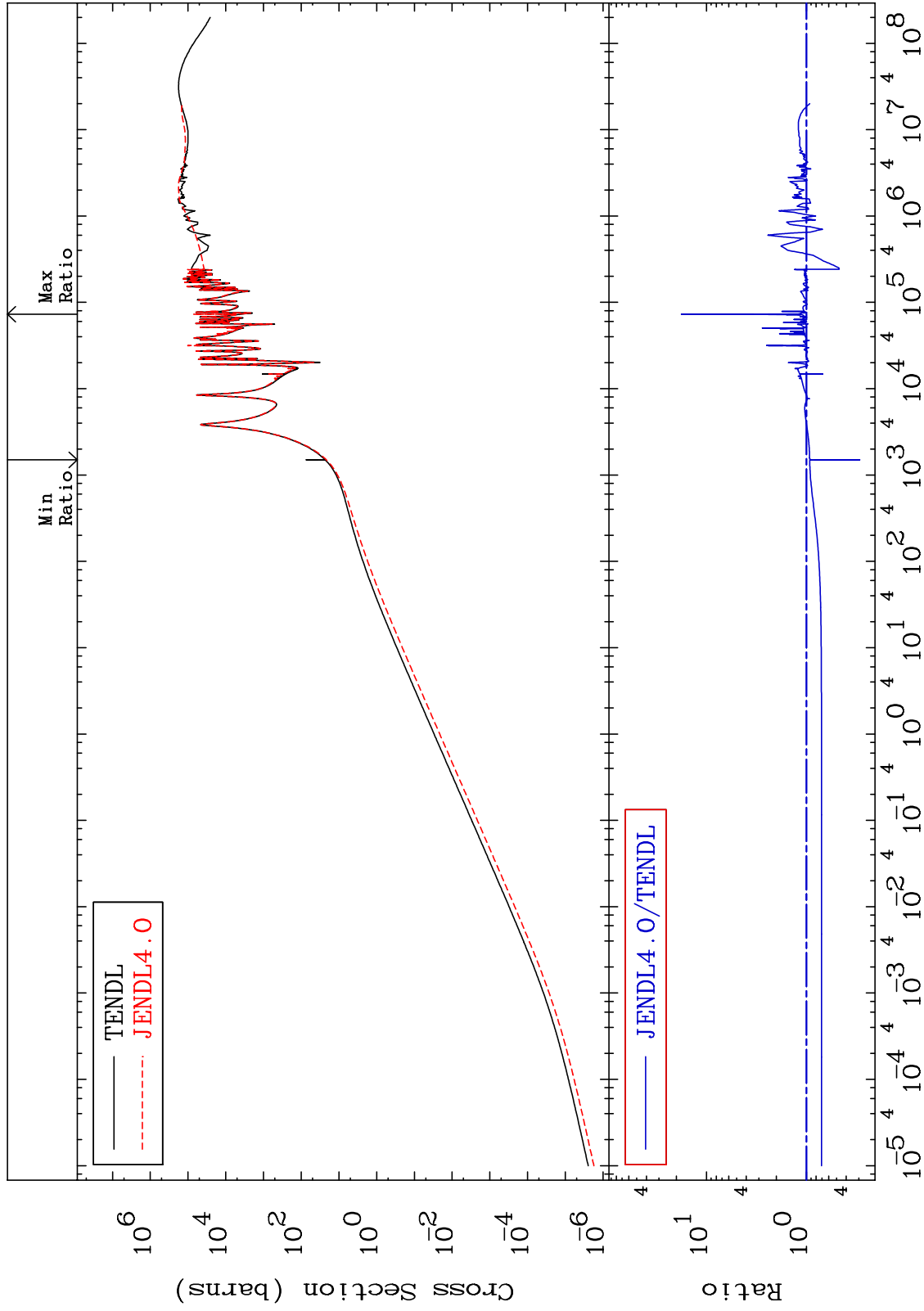
MAT 2234 Kerma total (eV-barns) 22-Ti-49
 Cross Section -98.73 To 1697. %



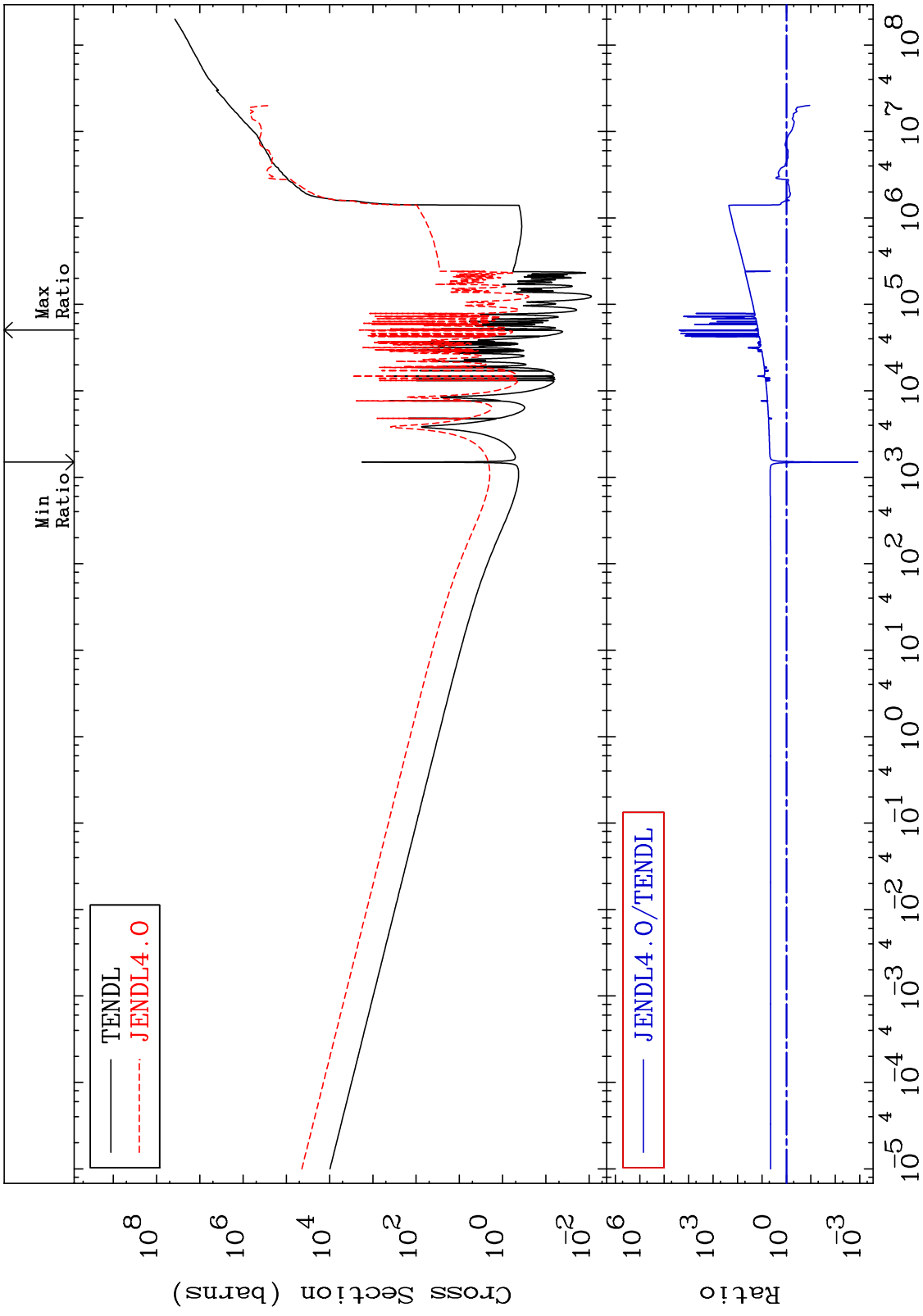
MAT 2234

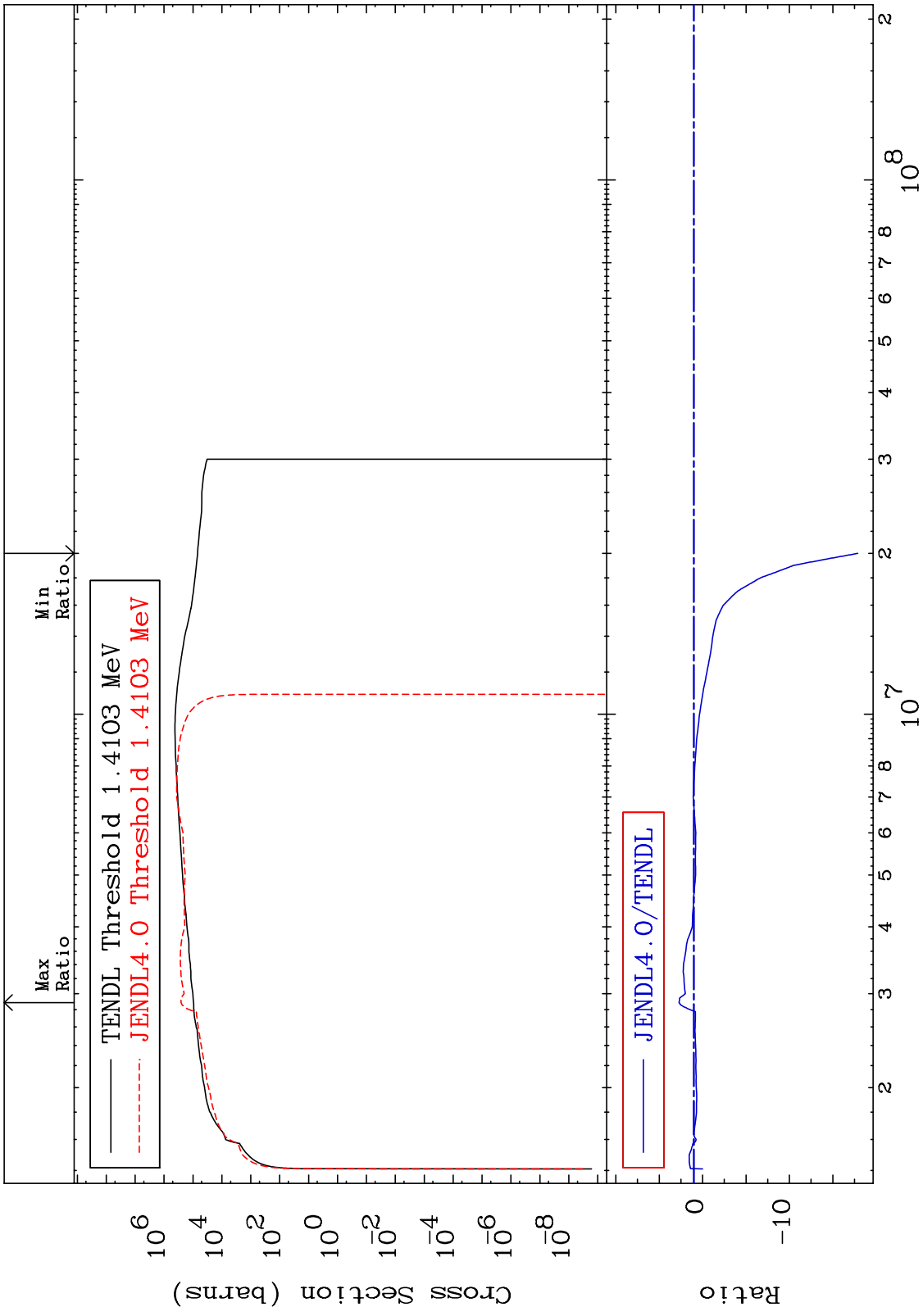
Kerma elastic
Cross Section

22-Ti-49
-70.70 To 1691. %

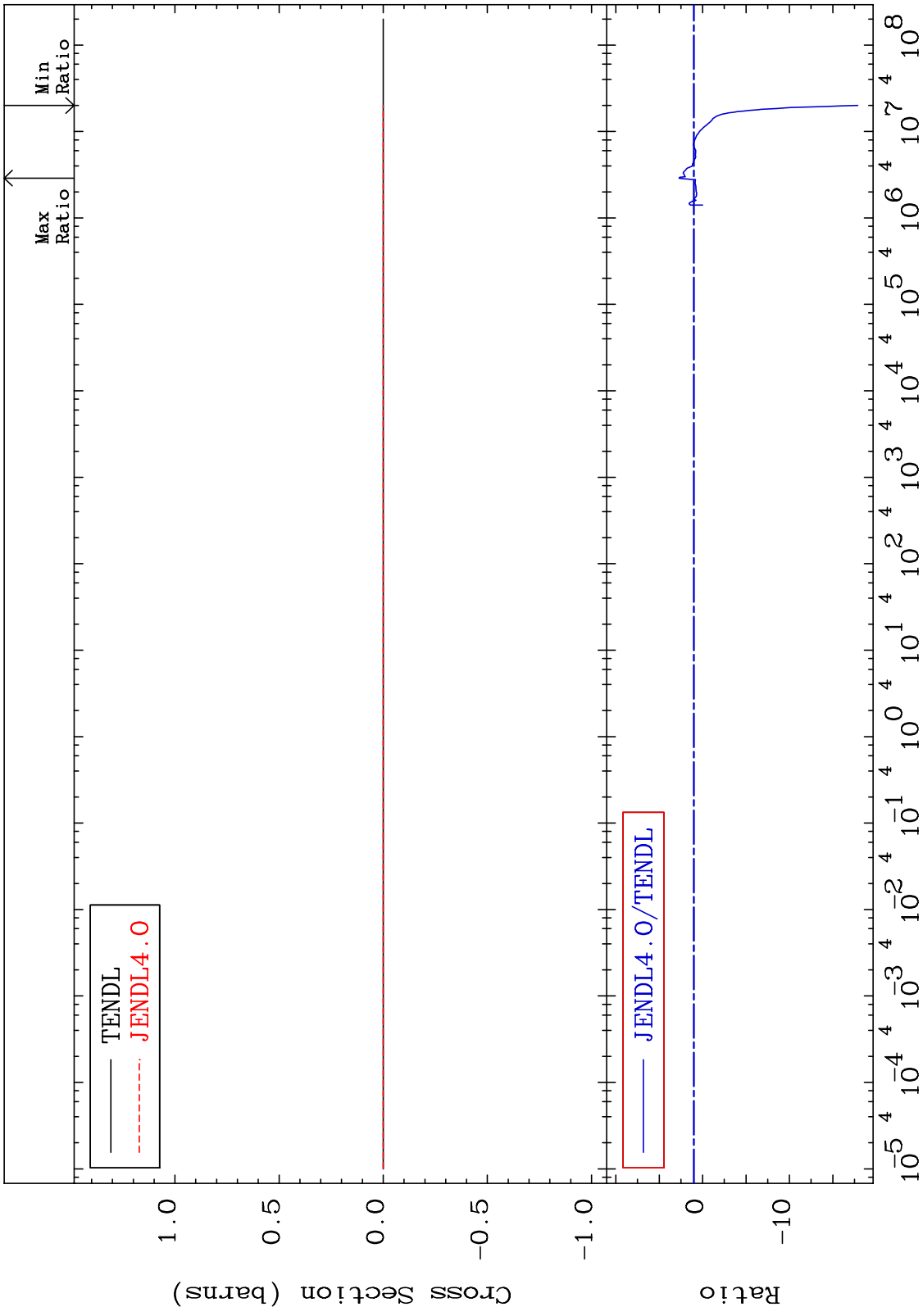


MAT 2234 Kerma non-elastic (all but mt2) 22-Ti-49
 Cross Section -99.88 To 9999. %





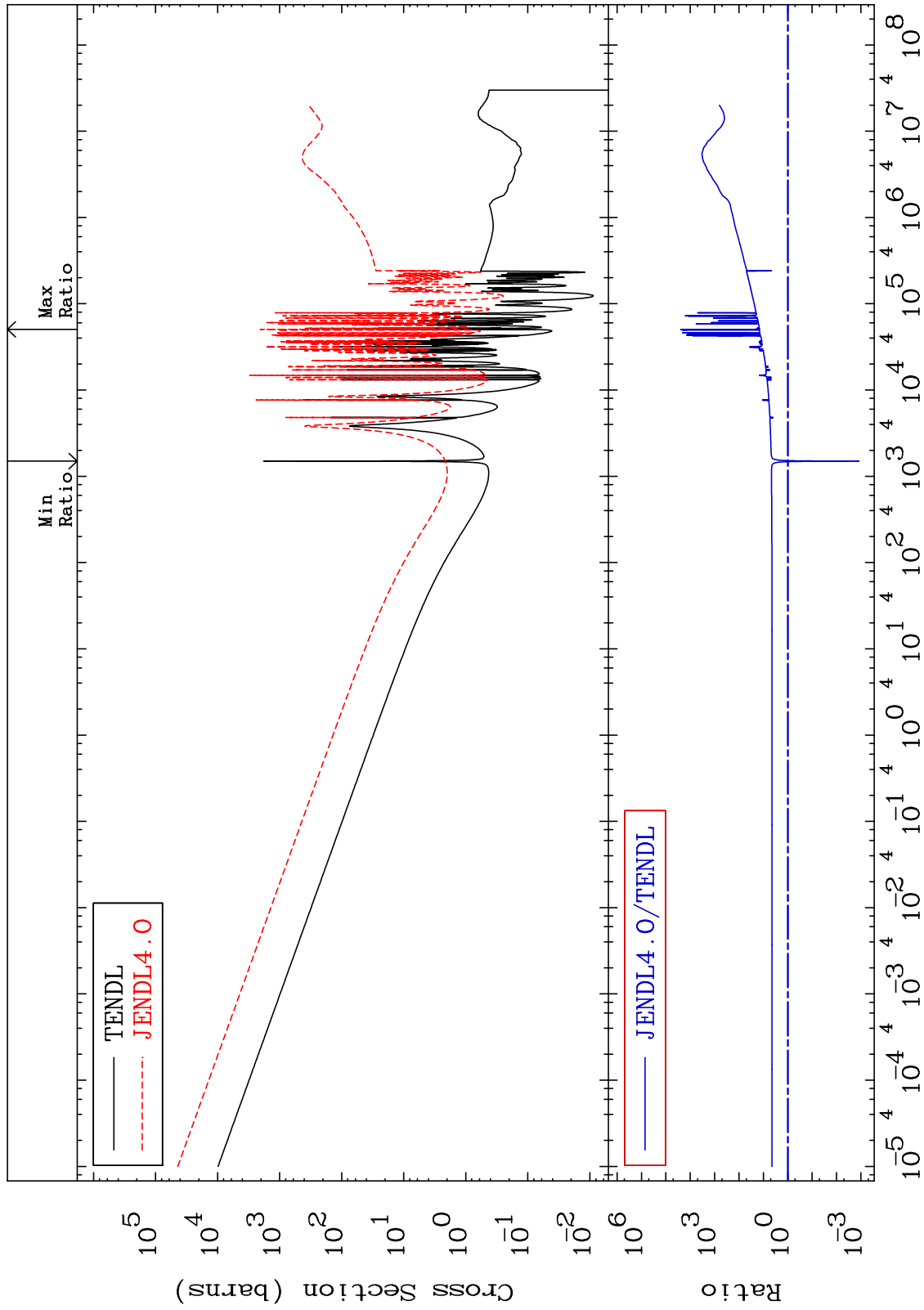
MAT 2234 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-49
 Cross Section -1889. To 171.4 %



MAT 2234

Kerma capture (mt102)
Cross Section

22-Ti-49
-99.88 To 9999. %



40

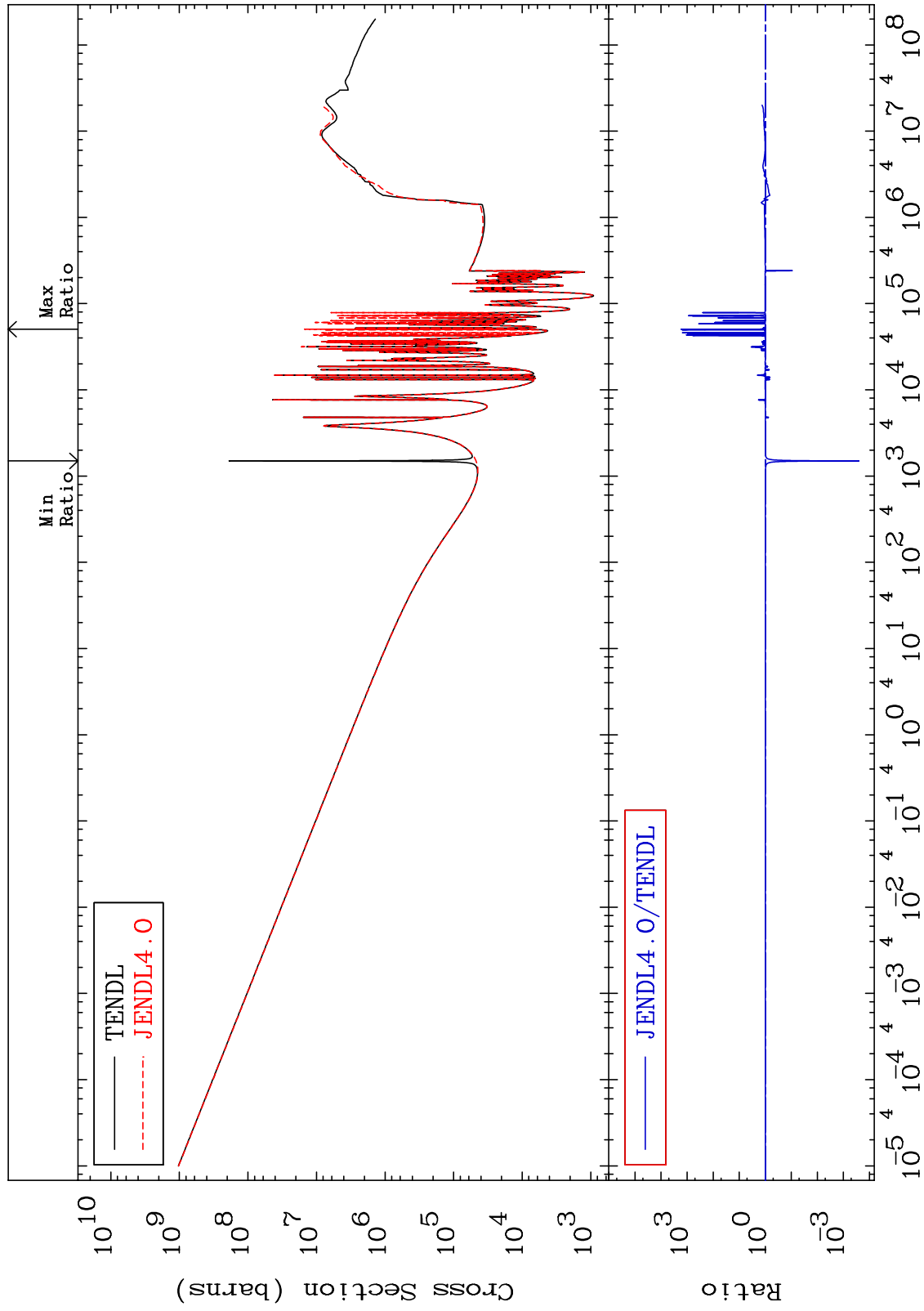
Incident Energy (eV)

22-Ti-49

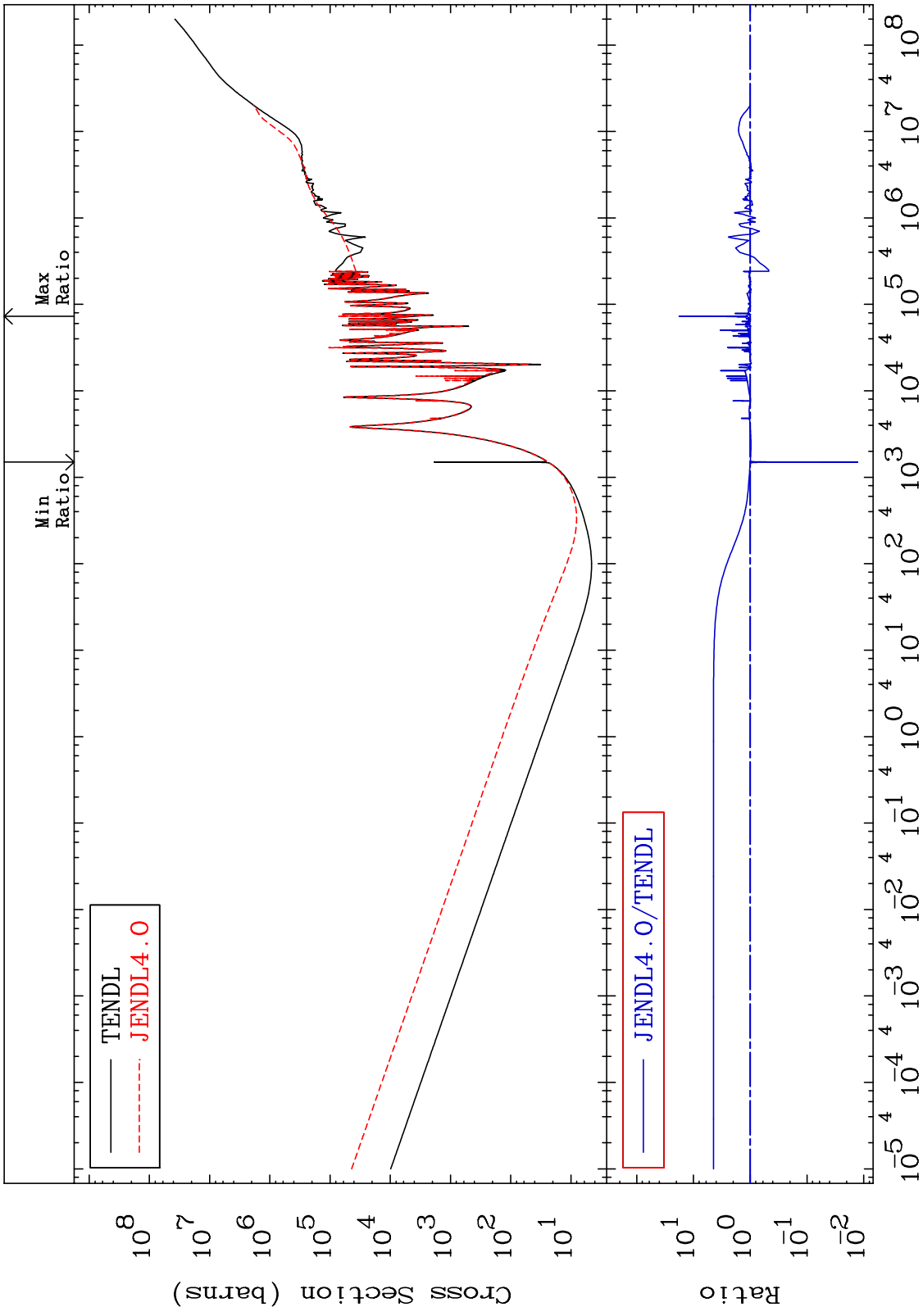
MAT 2234

Total photon (eV-barns)
Cross Section

22-Ti-49
-99.97 To 9999. %



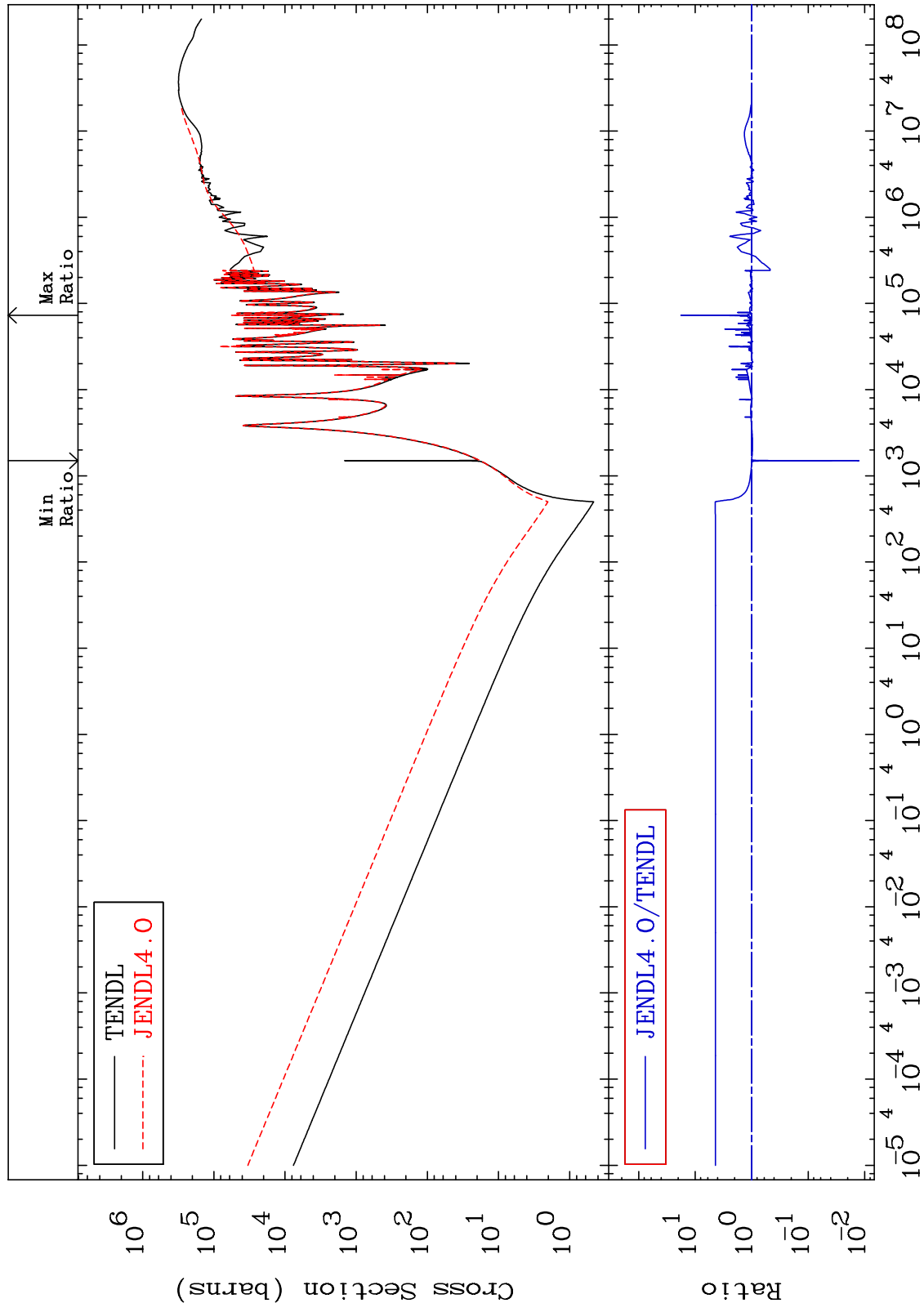
MAT 2234 Total kinematic kerma (high limit) 22-Ti-49
 Cross Section -98.73 To 1697. %



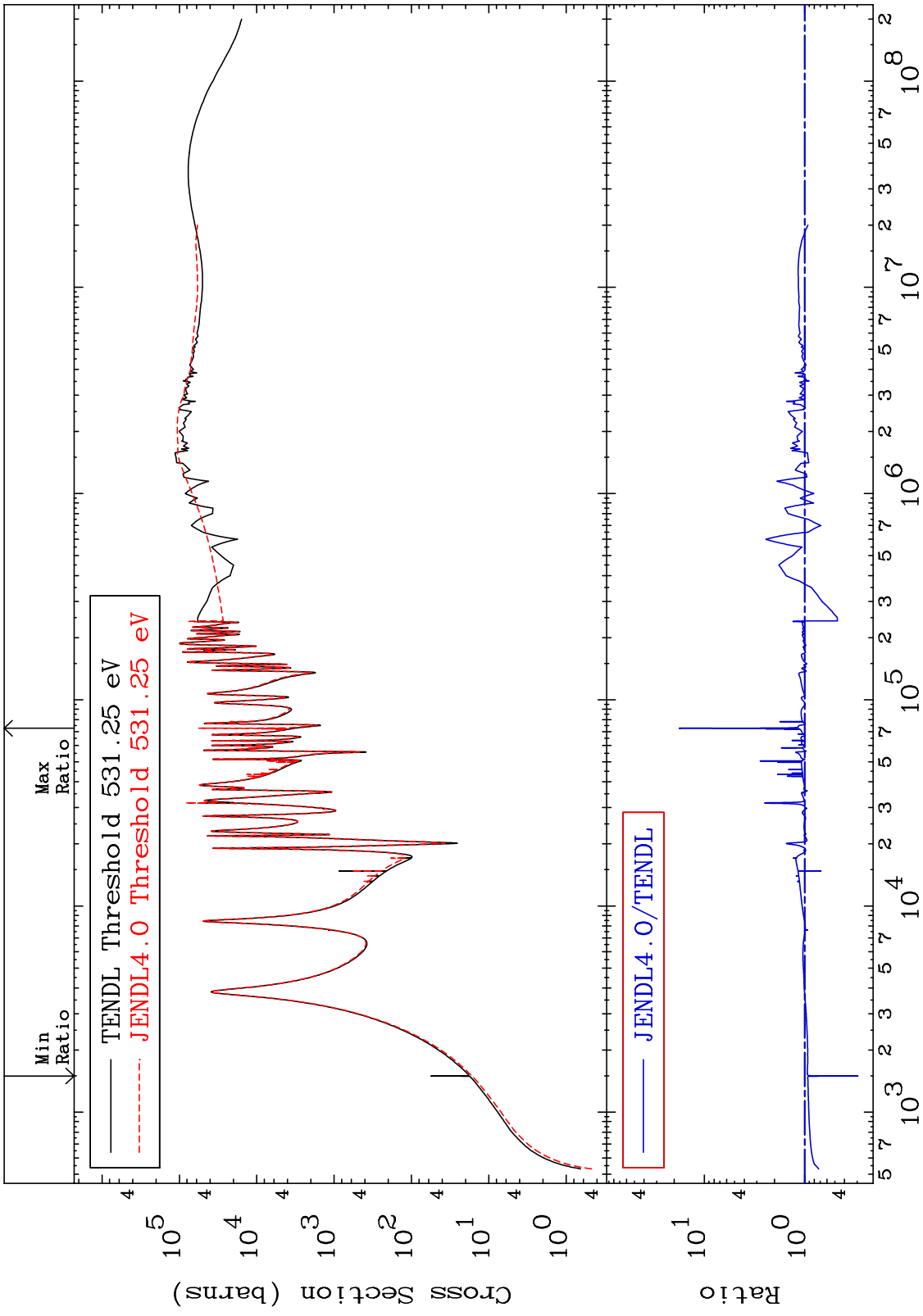
MAT 2234

Dpa total (eV-barns)
Cross Section

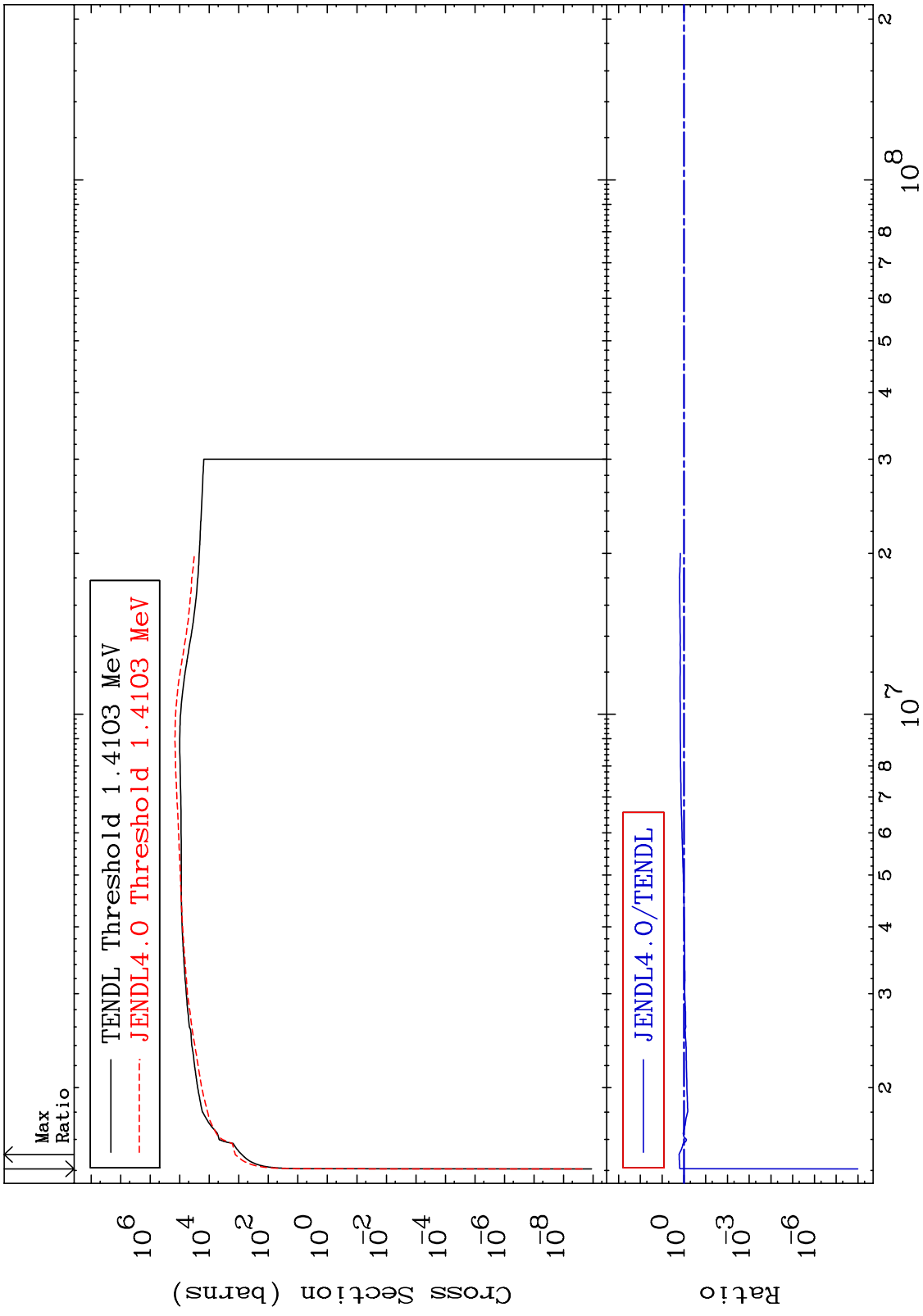
22-Ti-49
-98.74 To 1693. %



MAT 2234 Dpa elastic (mt2) 22-Ti-49
 Cross Section -70.55 To 1691. %



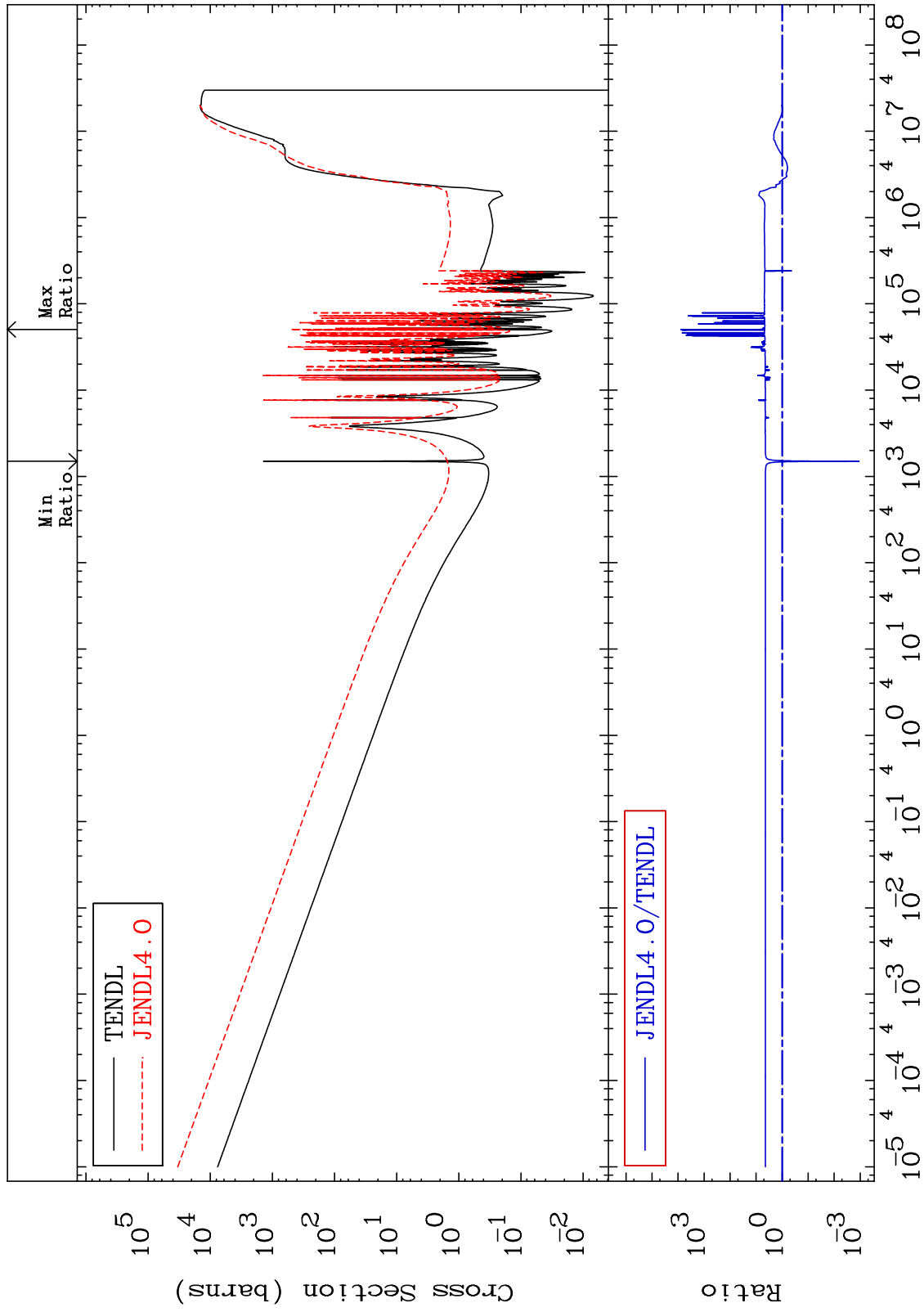
MAT 2234 Dpa inelastic (mt51-91) 22-Ti-49
 Cross Section -100.0 To 67.15 %



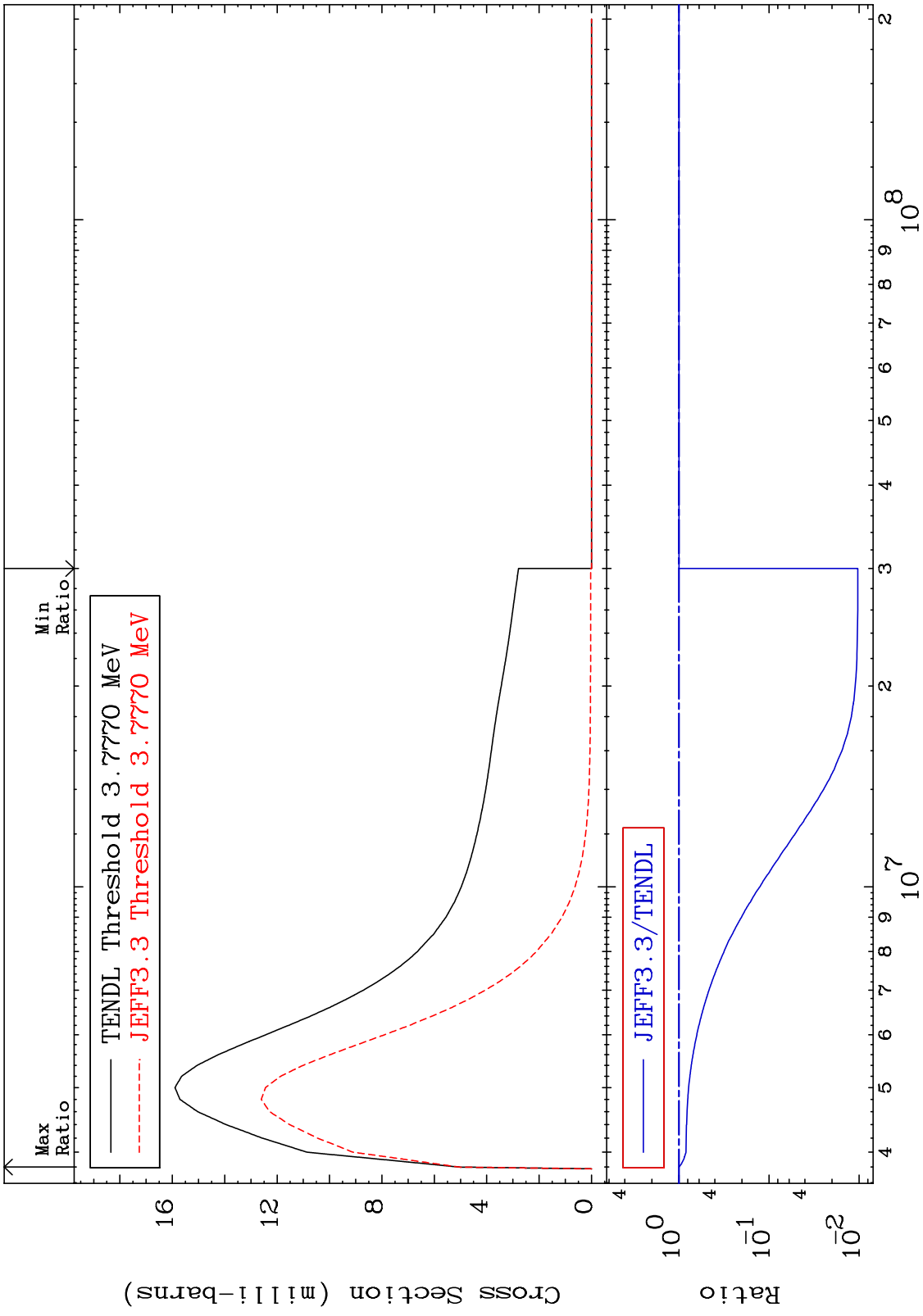
MAT 2234

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-49
-99.89 To 9999. %



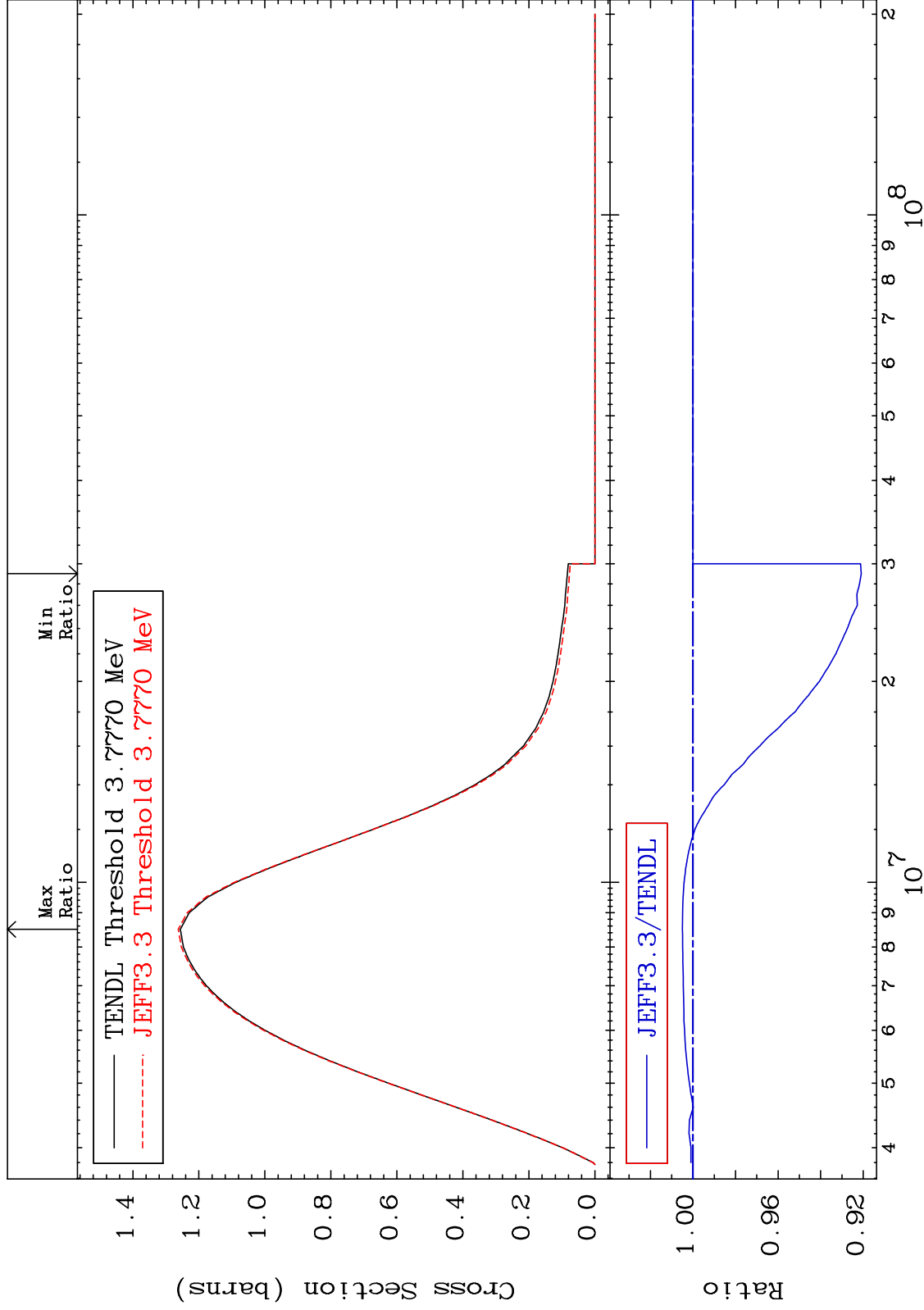
MAT 2234 MT= 80 (n,n') Level Cross Section -98.97 To 0.048 % 22-Ti-49



MAT 2234

(n, n') Continuum
Cross Section

22-Ti-49
-7.908 To 0.494 %



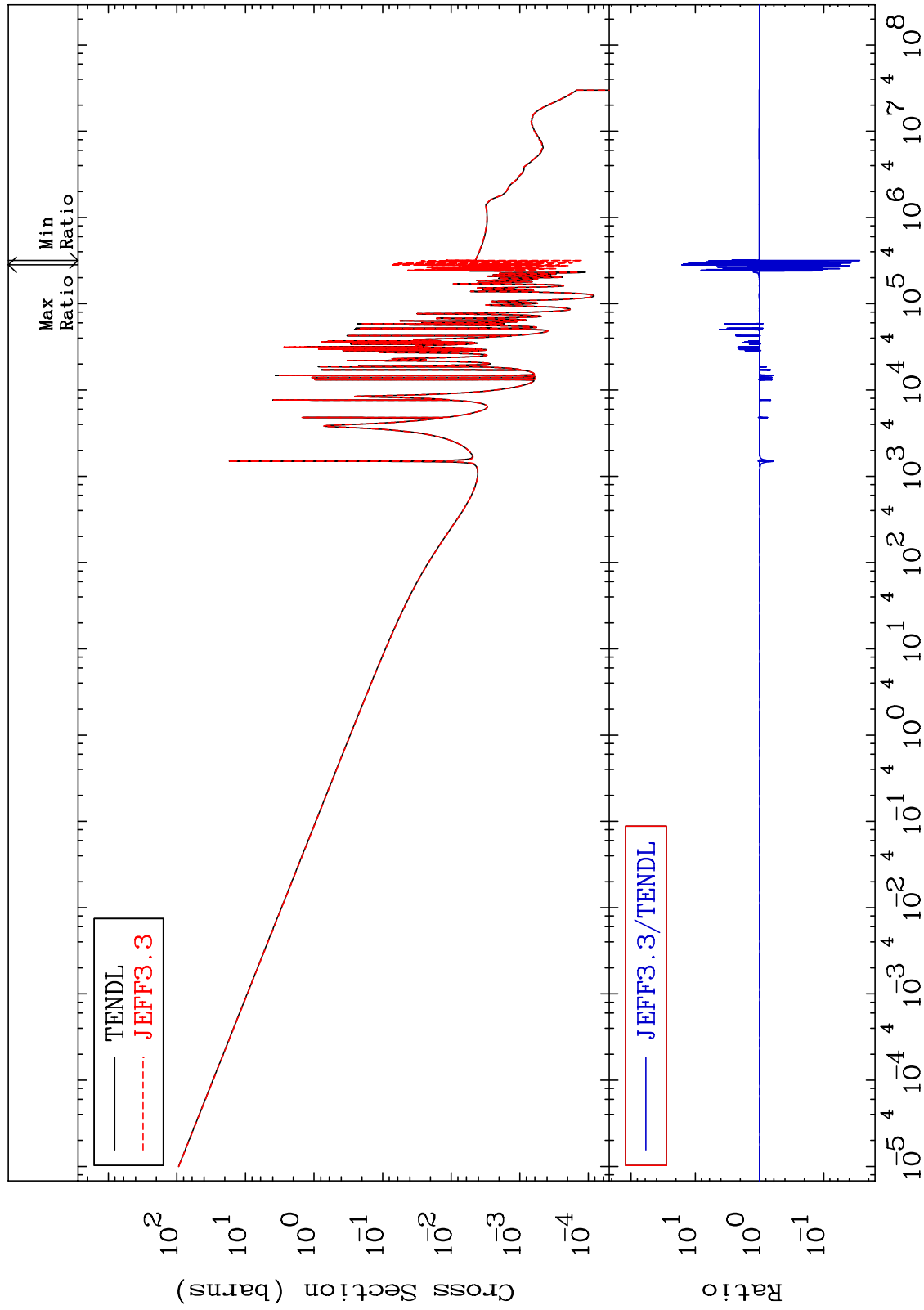
MAT 2234

(n, γ)

22-Ti-49

Cross Section

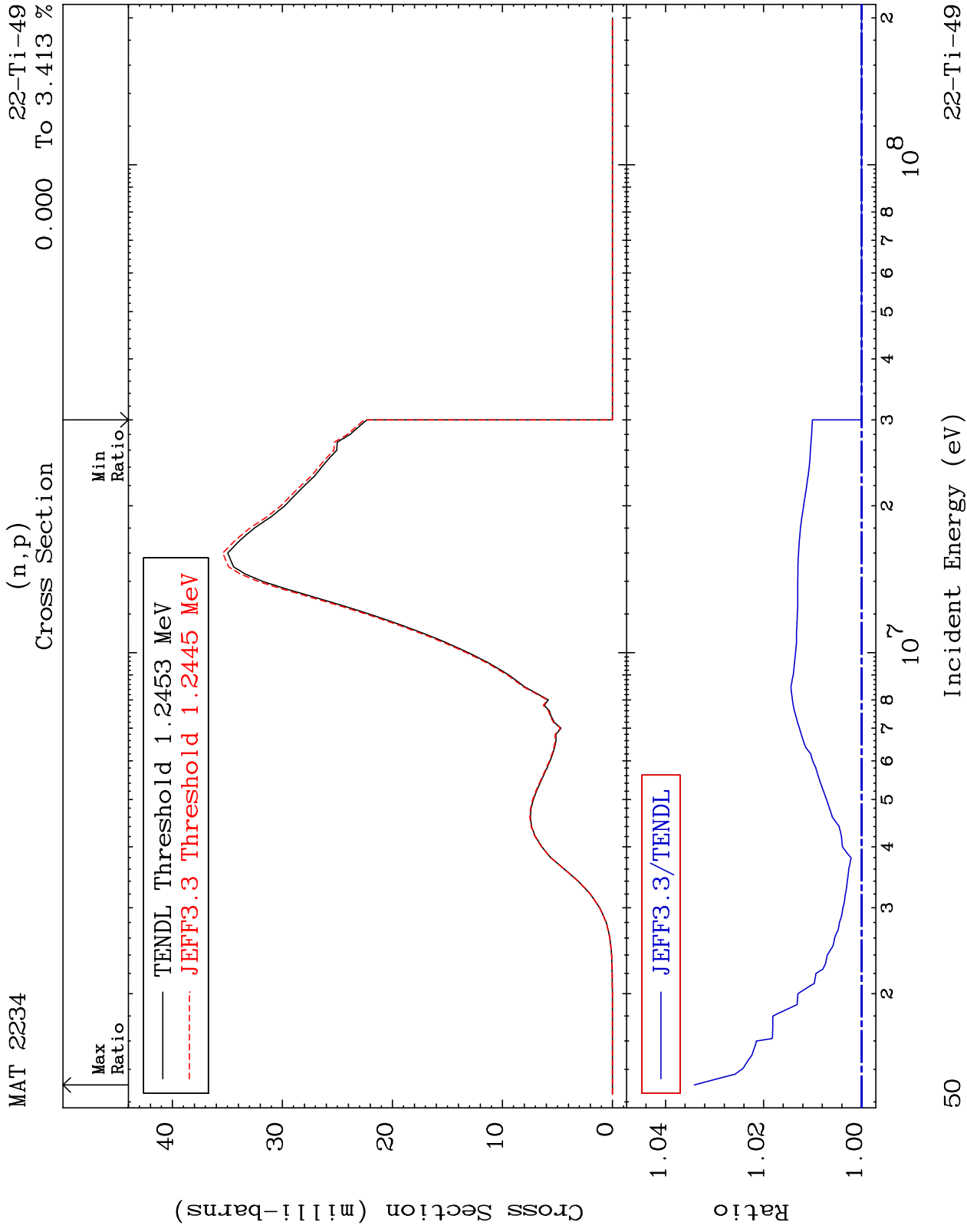
-97.26 To 1541. %



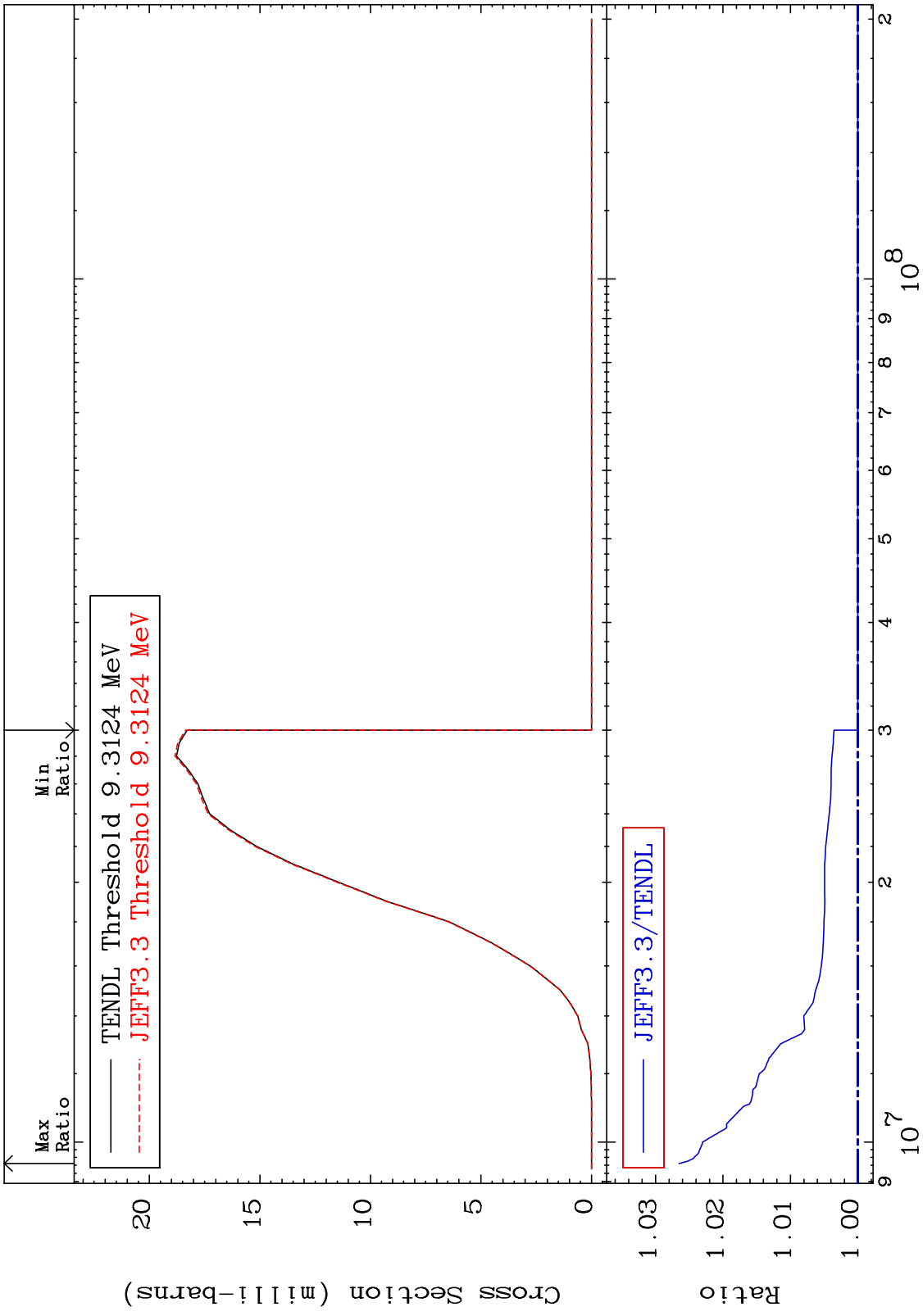
49

Incident Energy (eV)

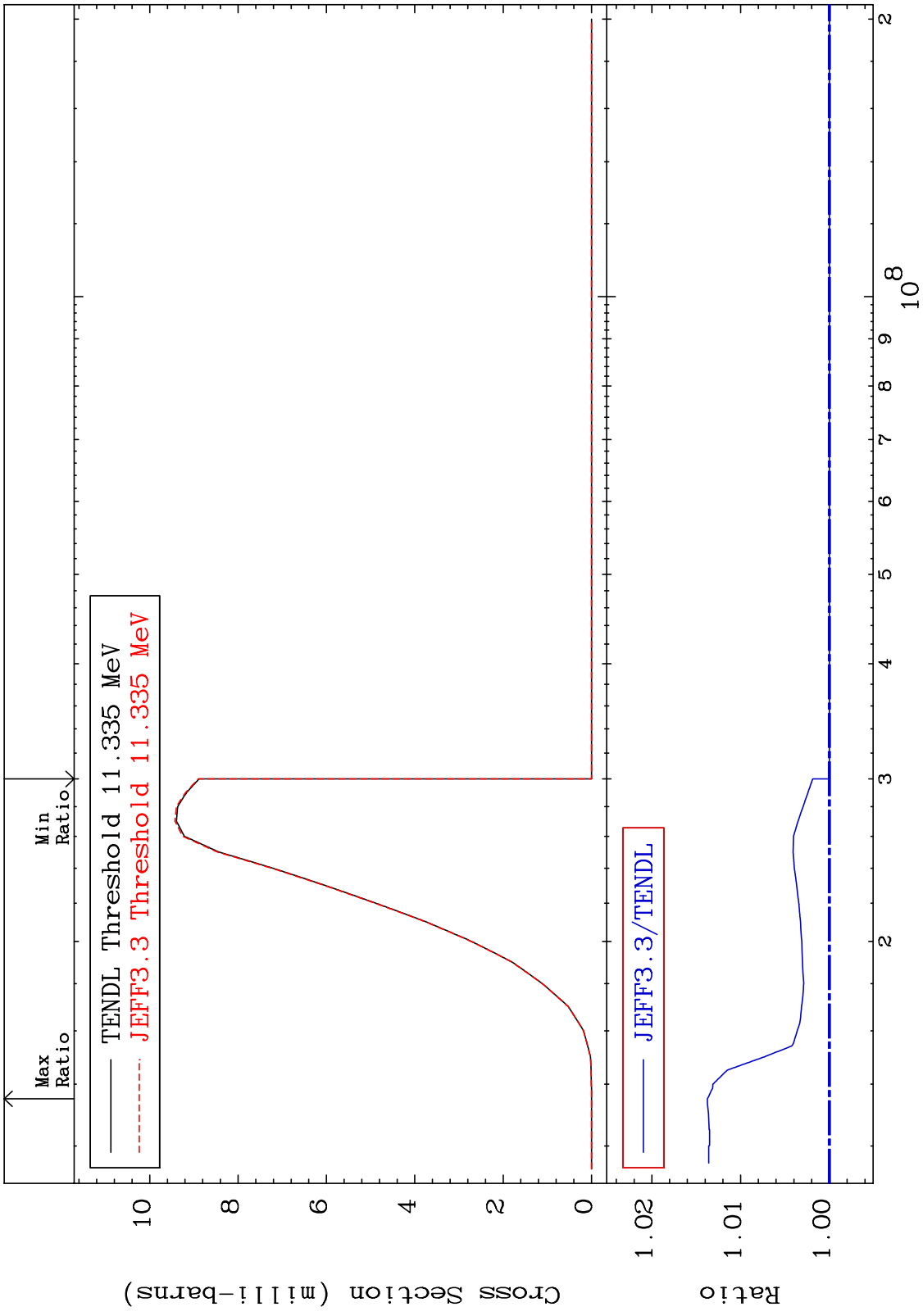
22-Ti-49



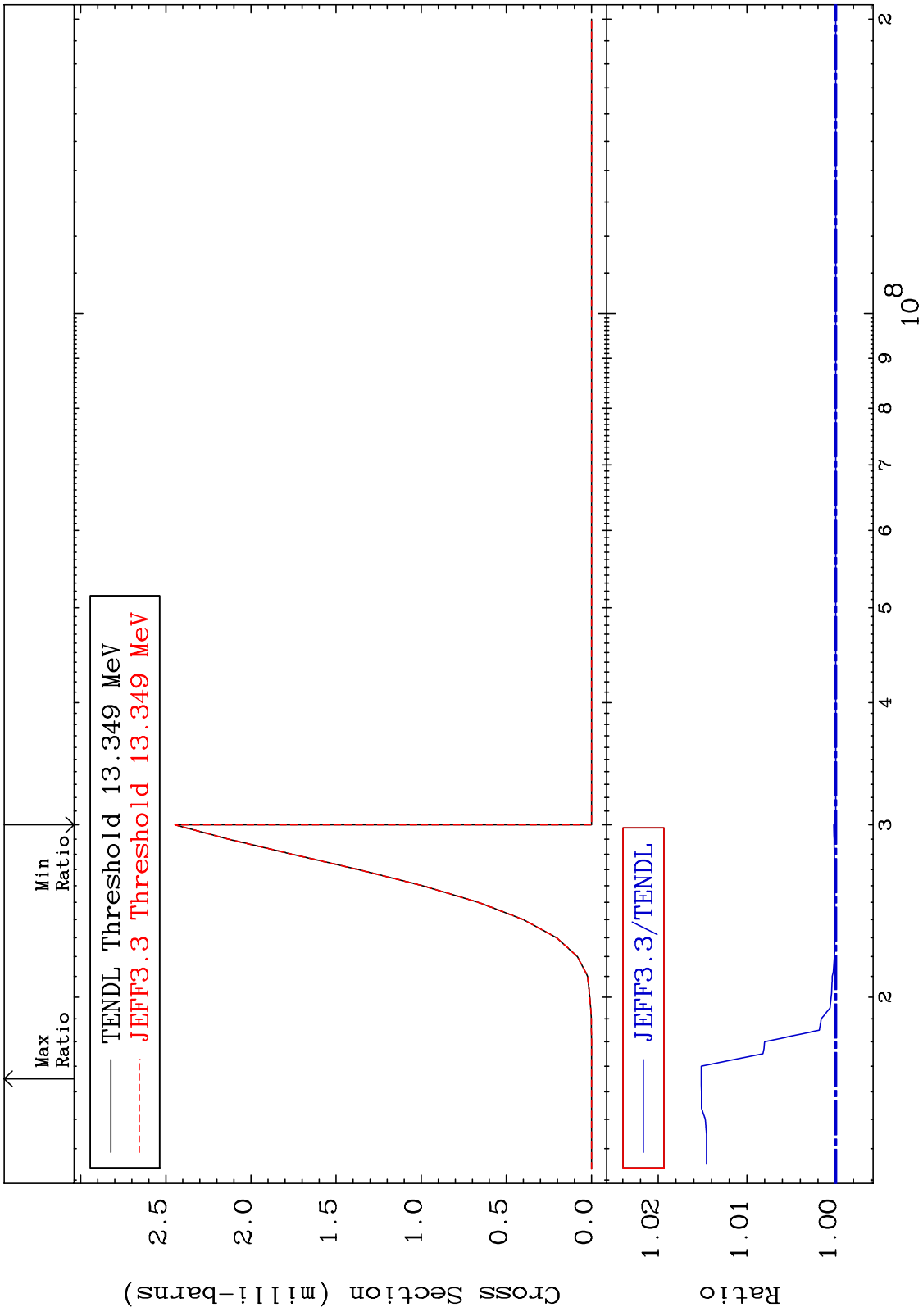
MAT 2234 (n,d) Cross Section 22-Ti-49 To 2.652 %



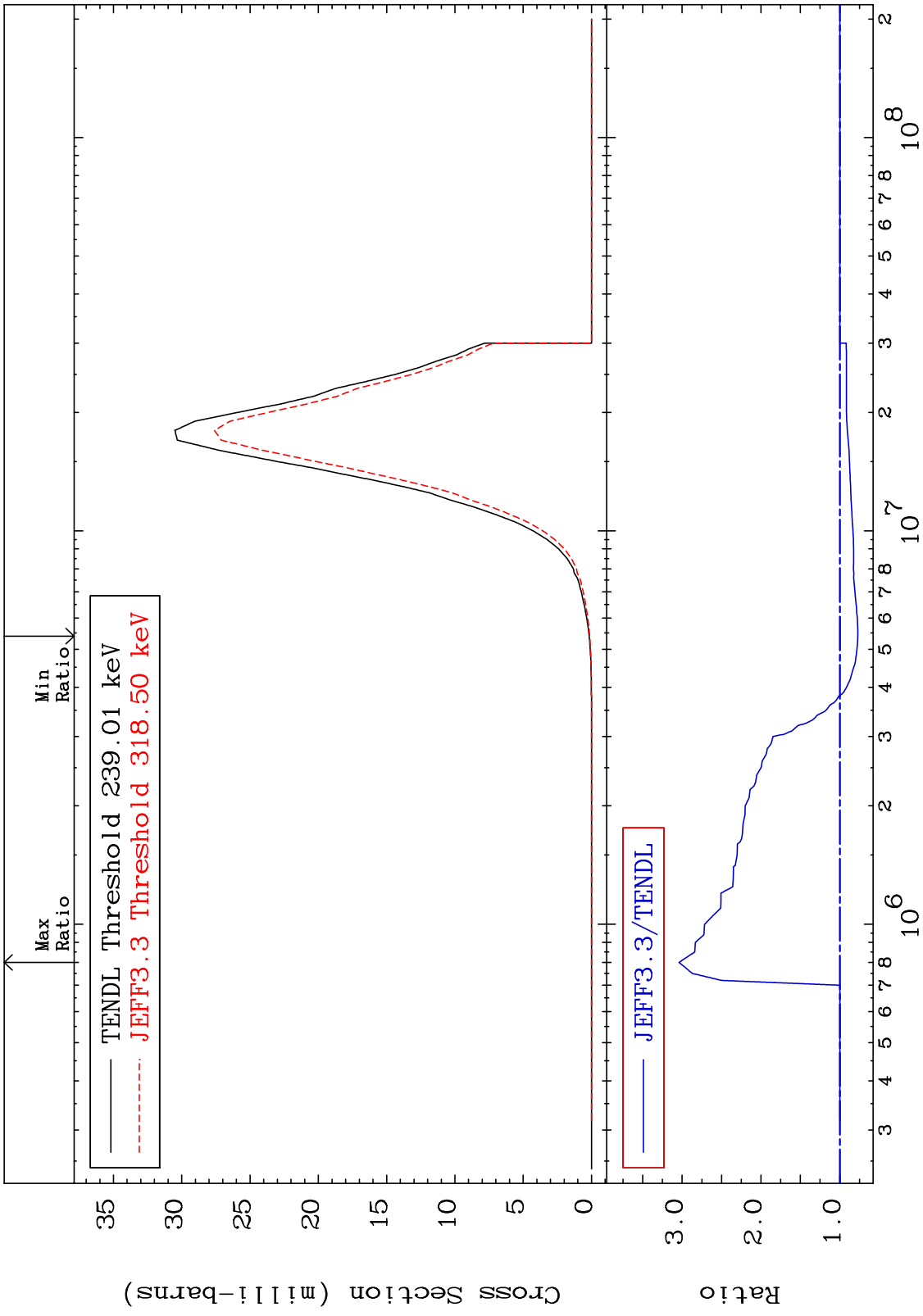
MAT 2234 (n,t) Cross Section 22-Ti-49 To 1.373 %



MAT 2234 (n, He-3) Cross Section 22-Ti-49 To 1.516 %

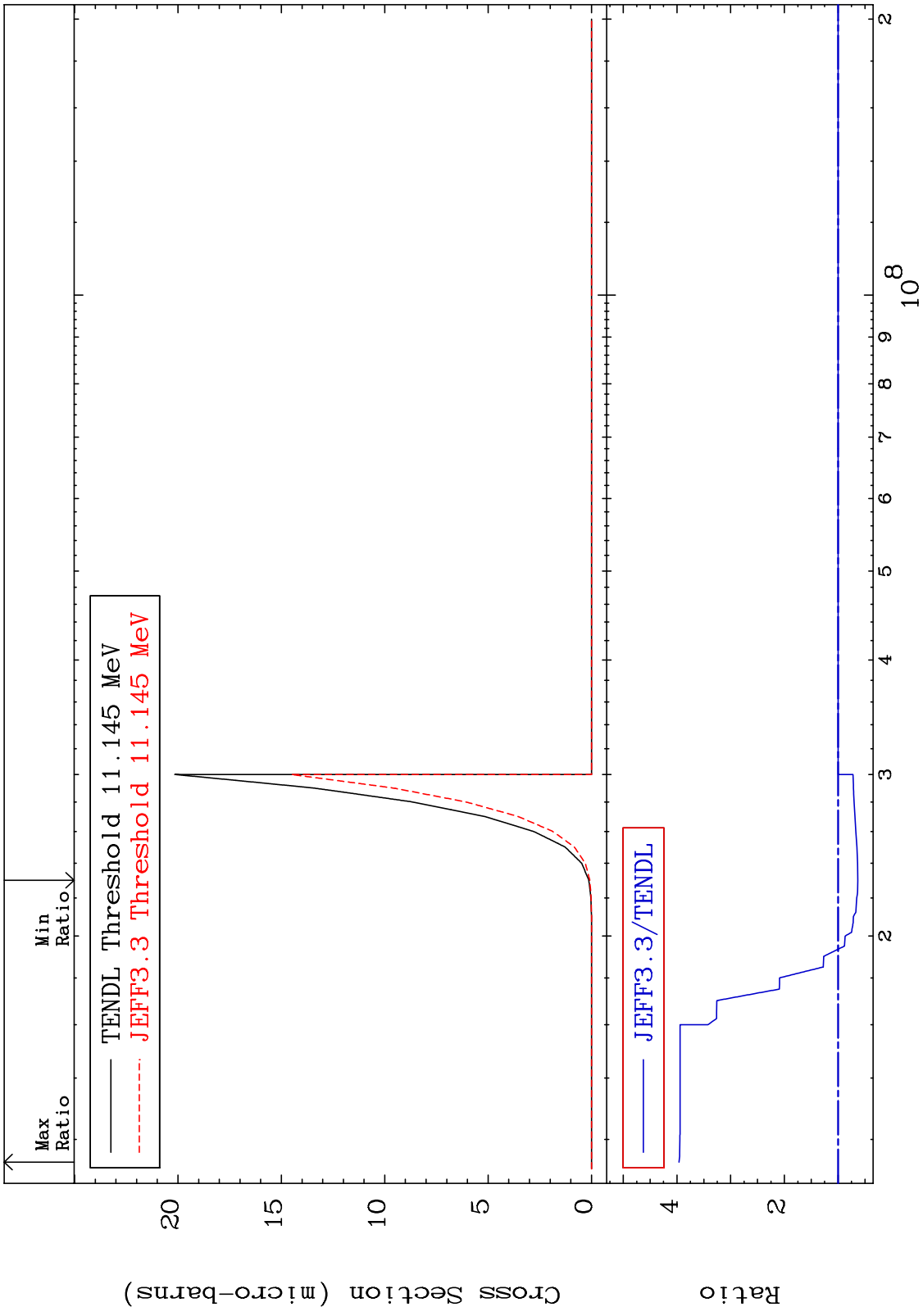


MAT 2234 22-Ti-49
-22.91 To 203.9 %
 (n,α)
 Cross Section

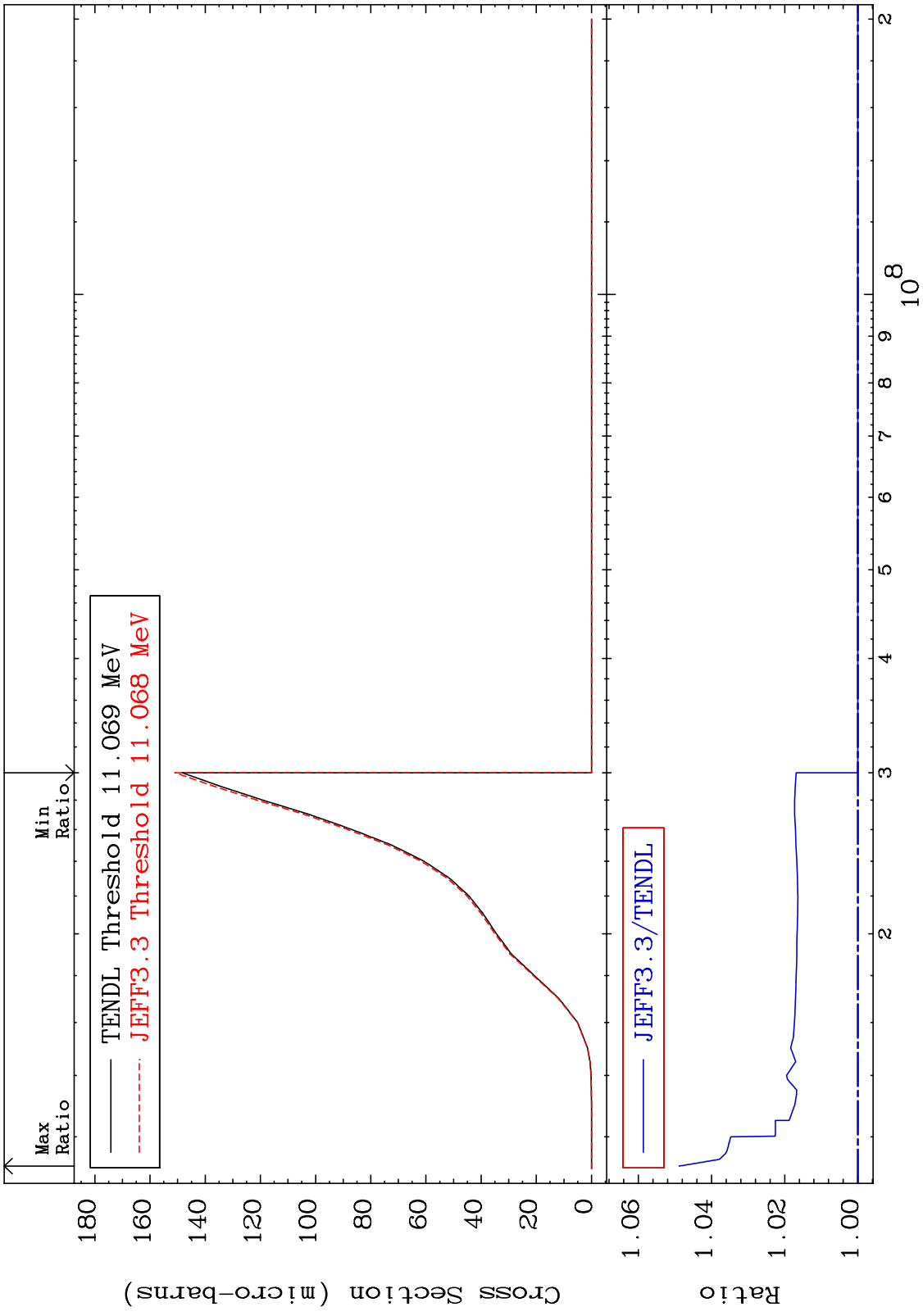


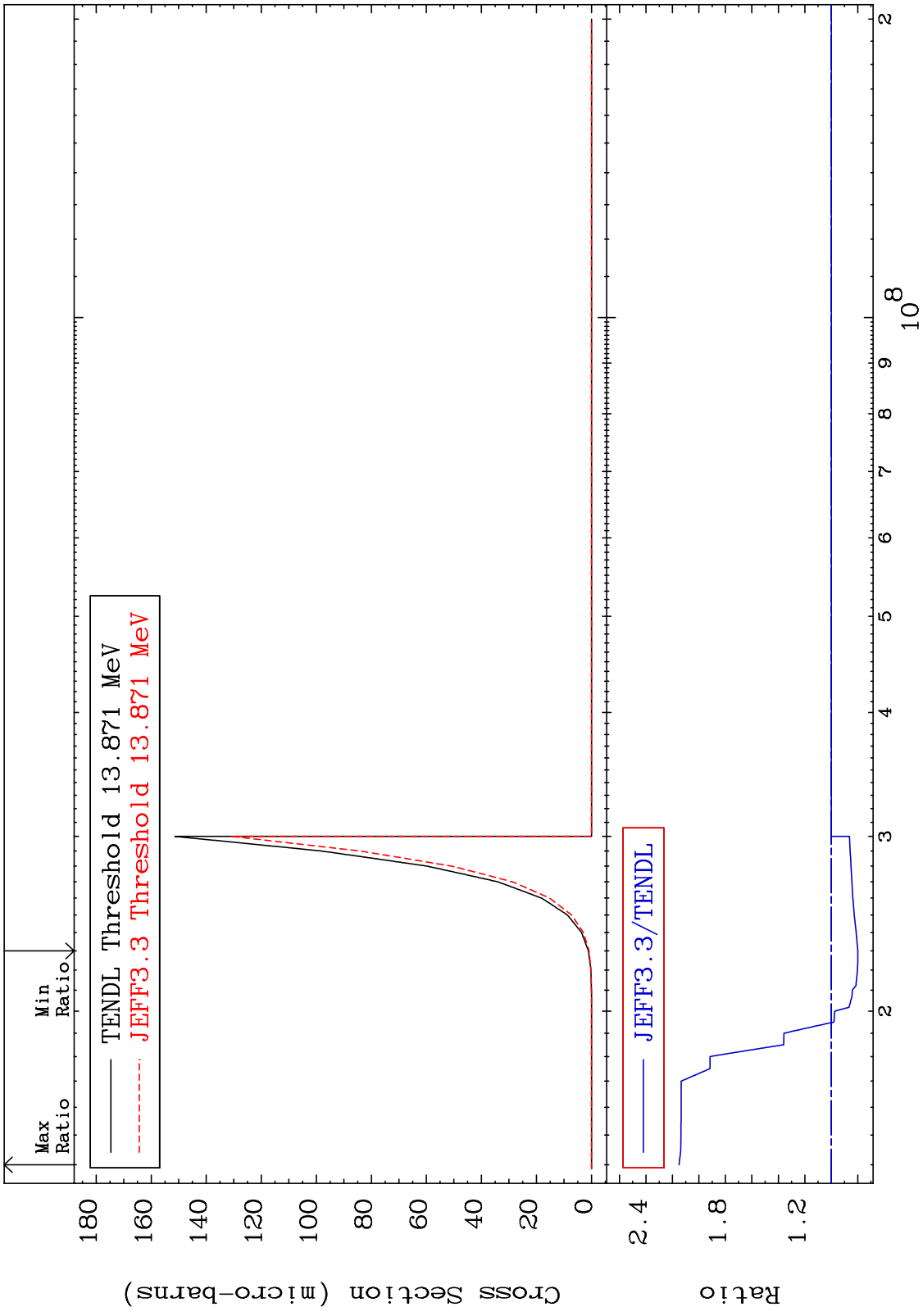
54 22-Ti-49

MAT 2234 (n,2α) Cross Section 22-Ti-49 -36.80 To 296.1 %

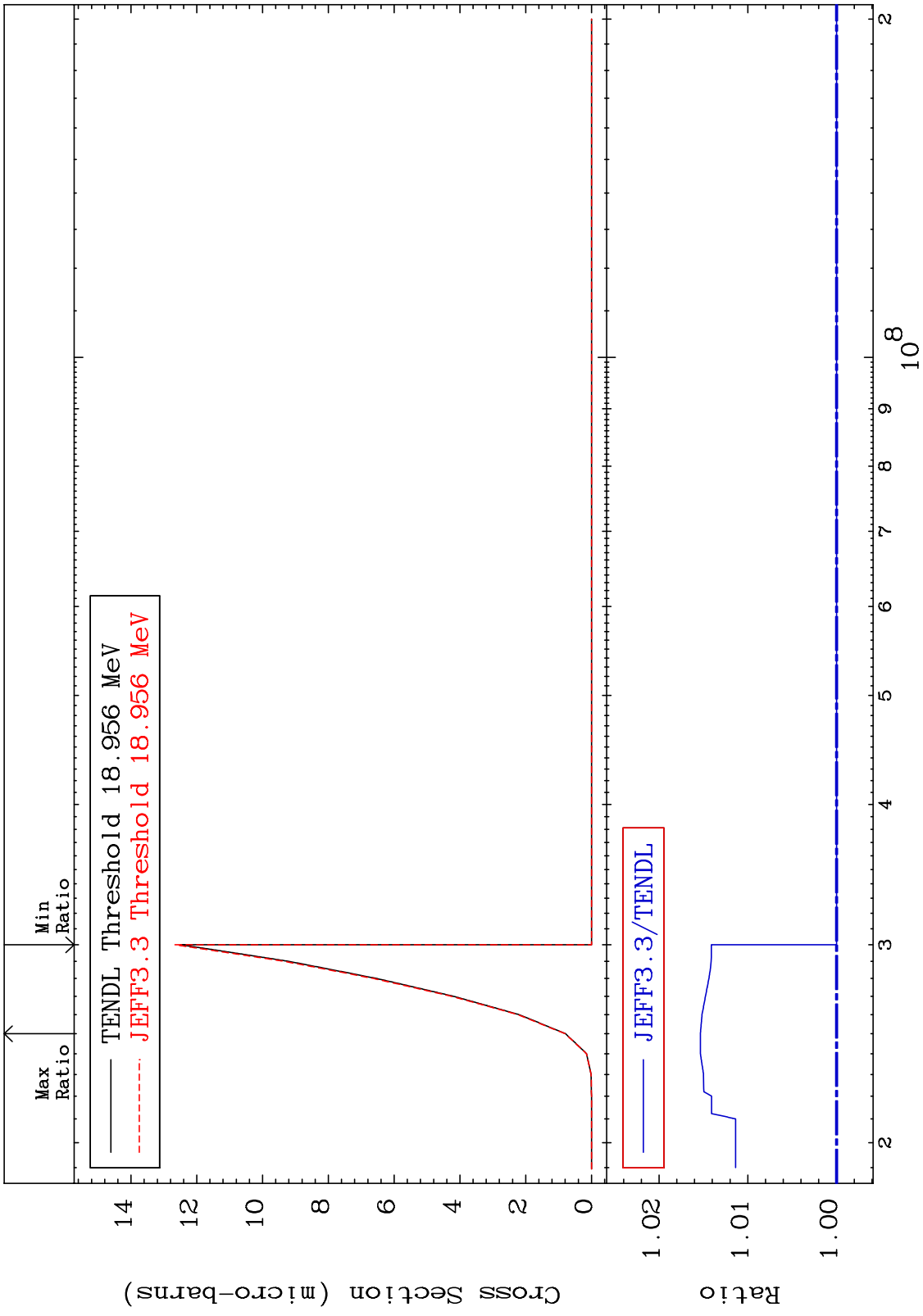


MAT 2234 (n,2p) Cross Section 22-Ti-49 To 4.888 %

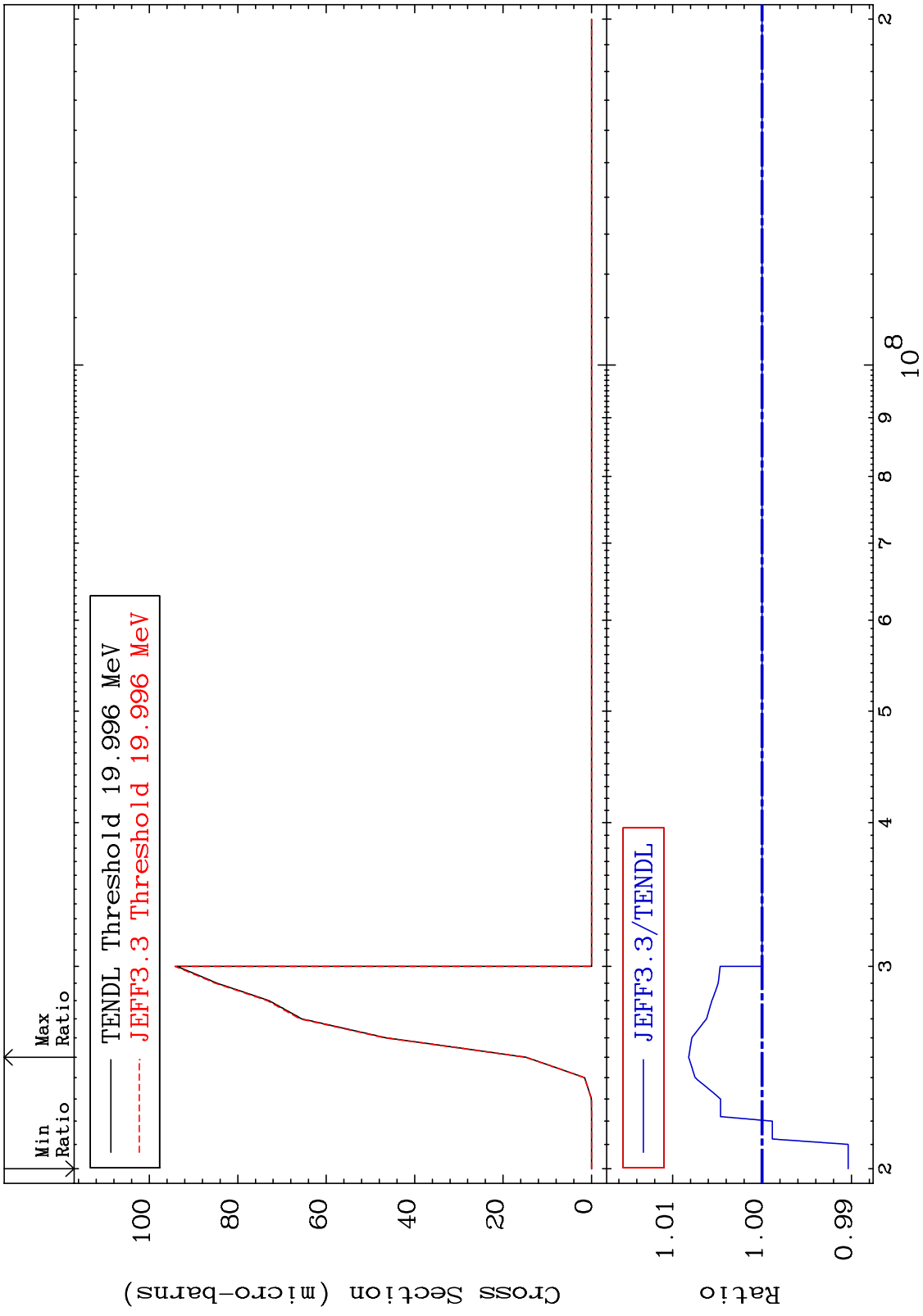




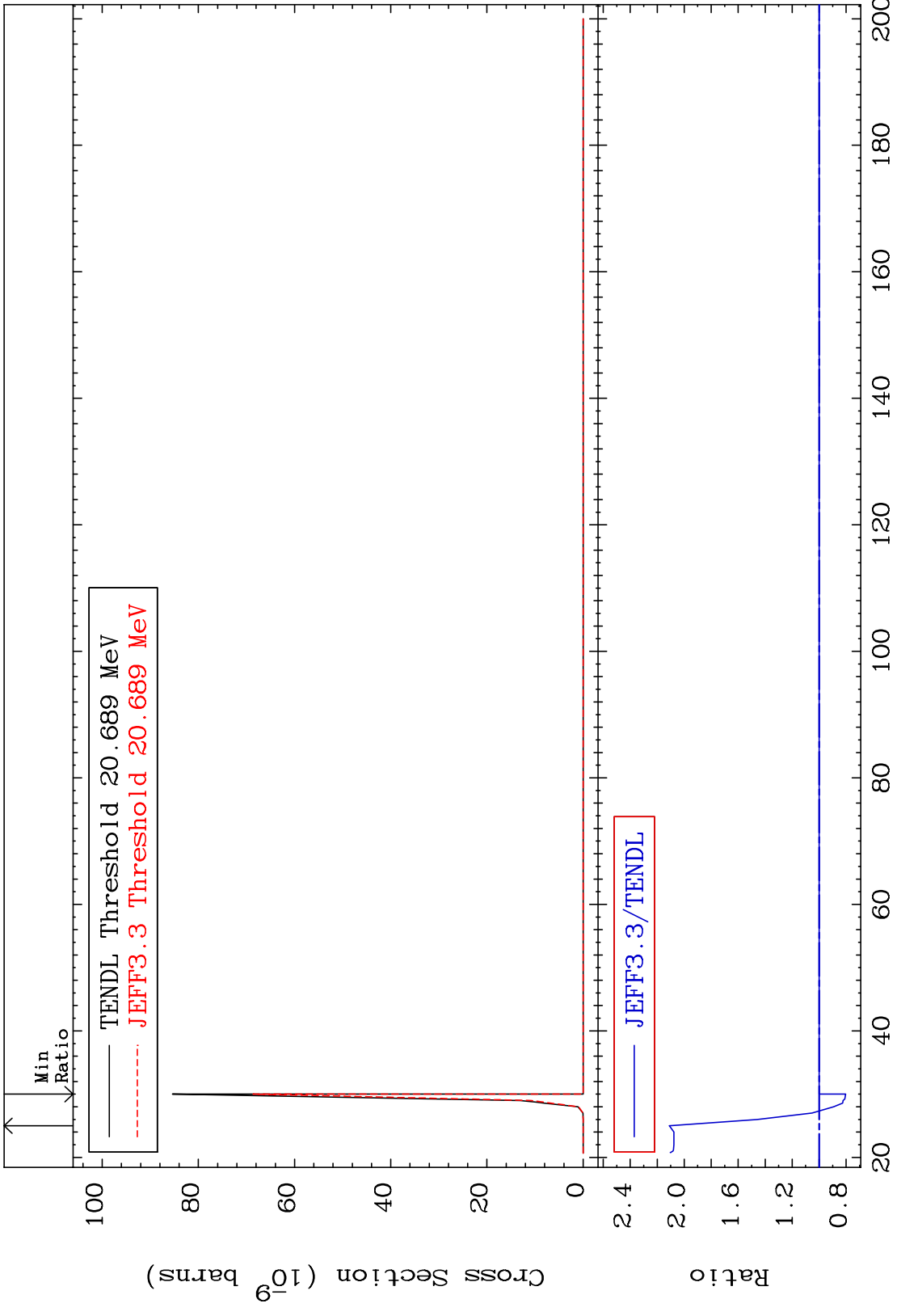
MAT 2234 (n,p) d 22-Ti-49
 Cross Section 0.000 To 1.535 %



MAT 2234 (n,p) t 22-Ti-49
 Cross Section -0.963 To 0.820 %

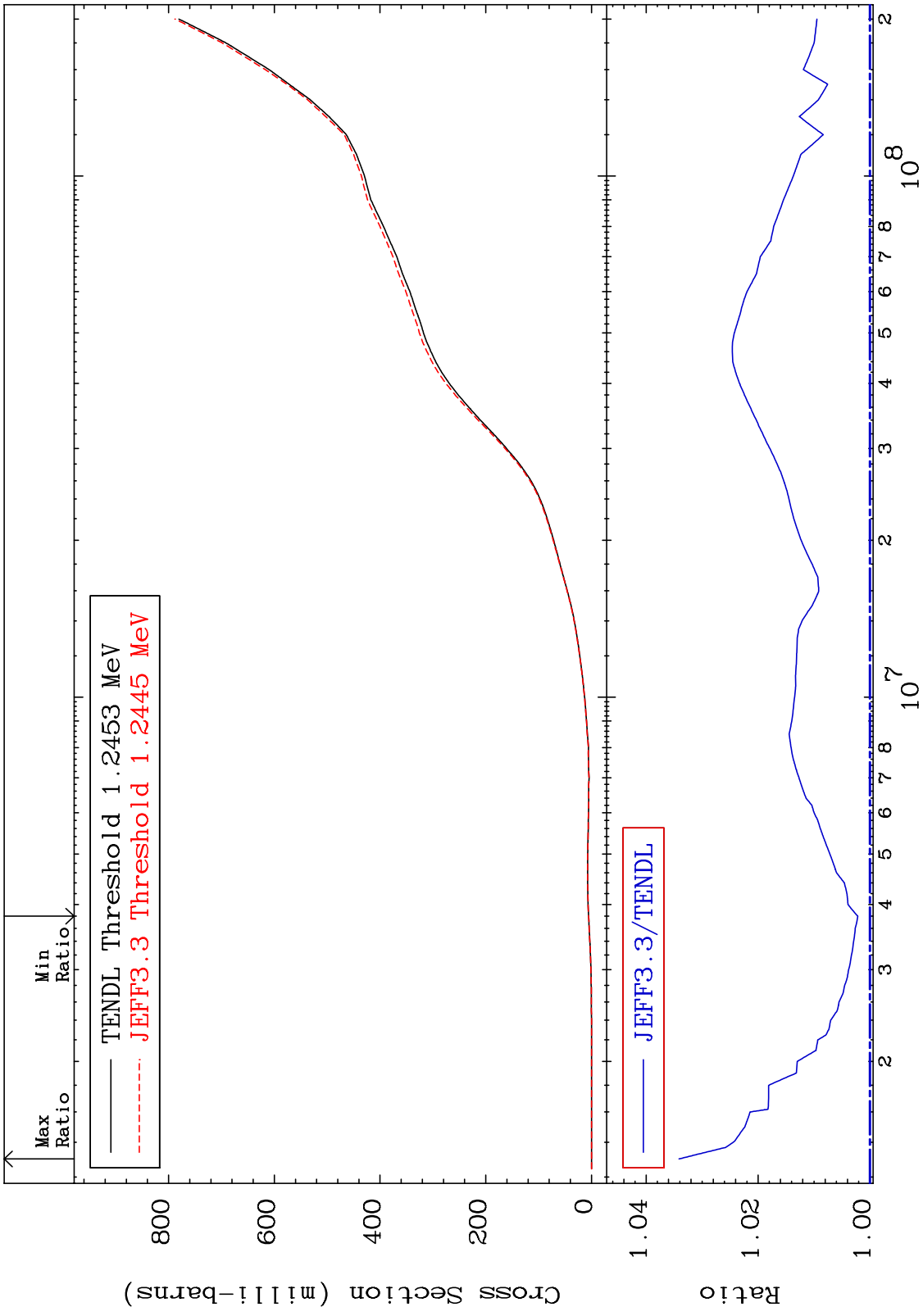


MAT 2234 (n,d) α 22-Ti-49
Cross Section -19.68 To 111.0 %

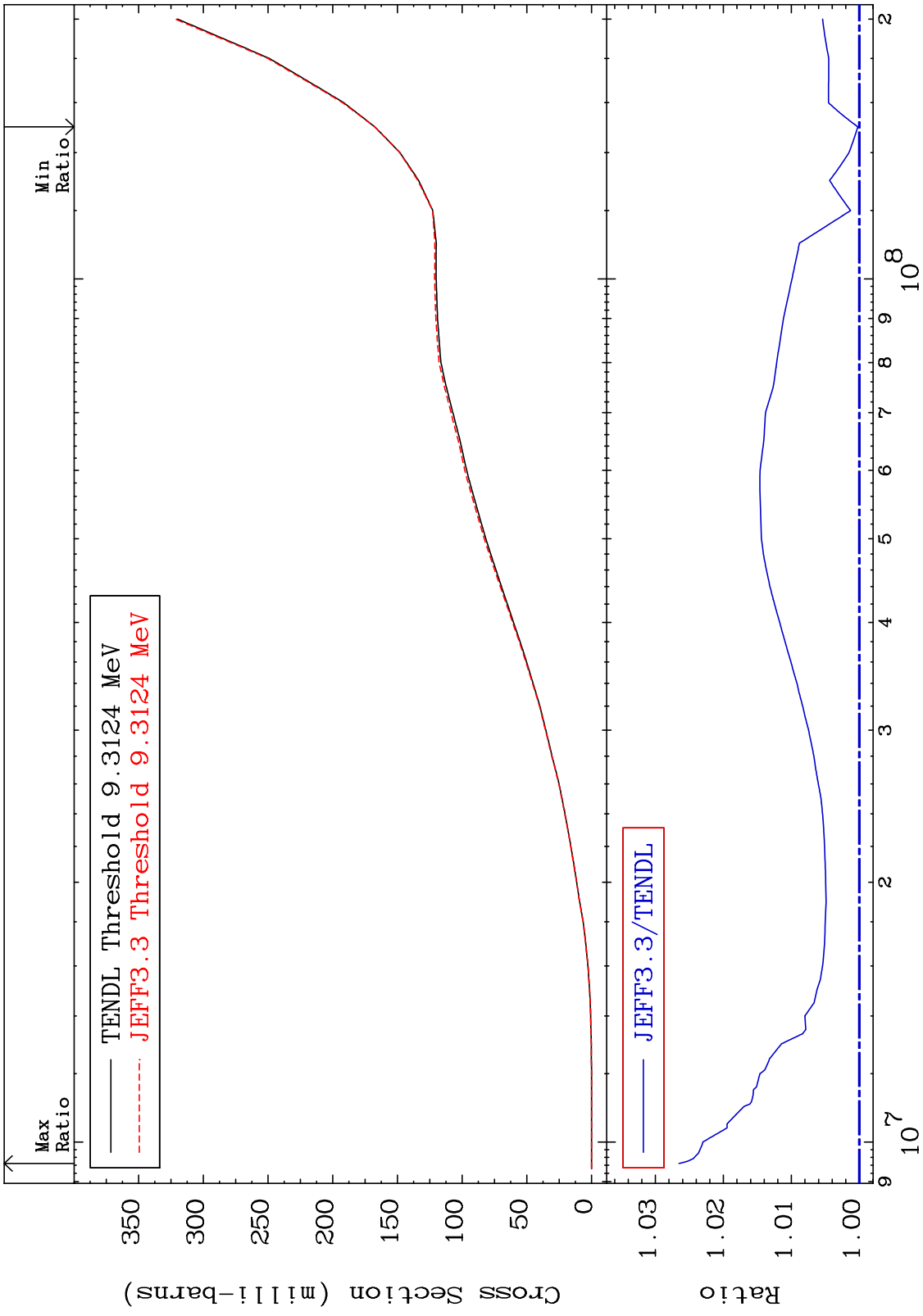


22-Ti-49 Incident Energy (MeV) 22-Ti-49

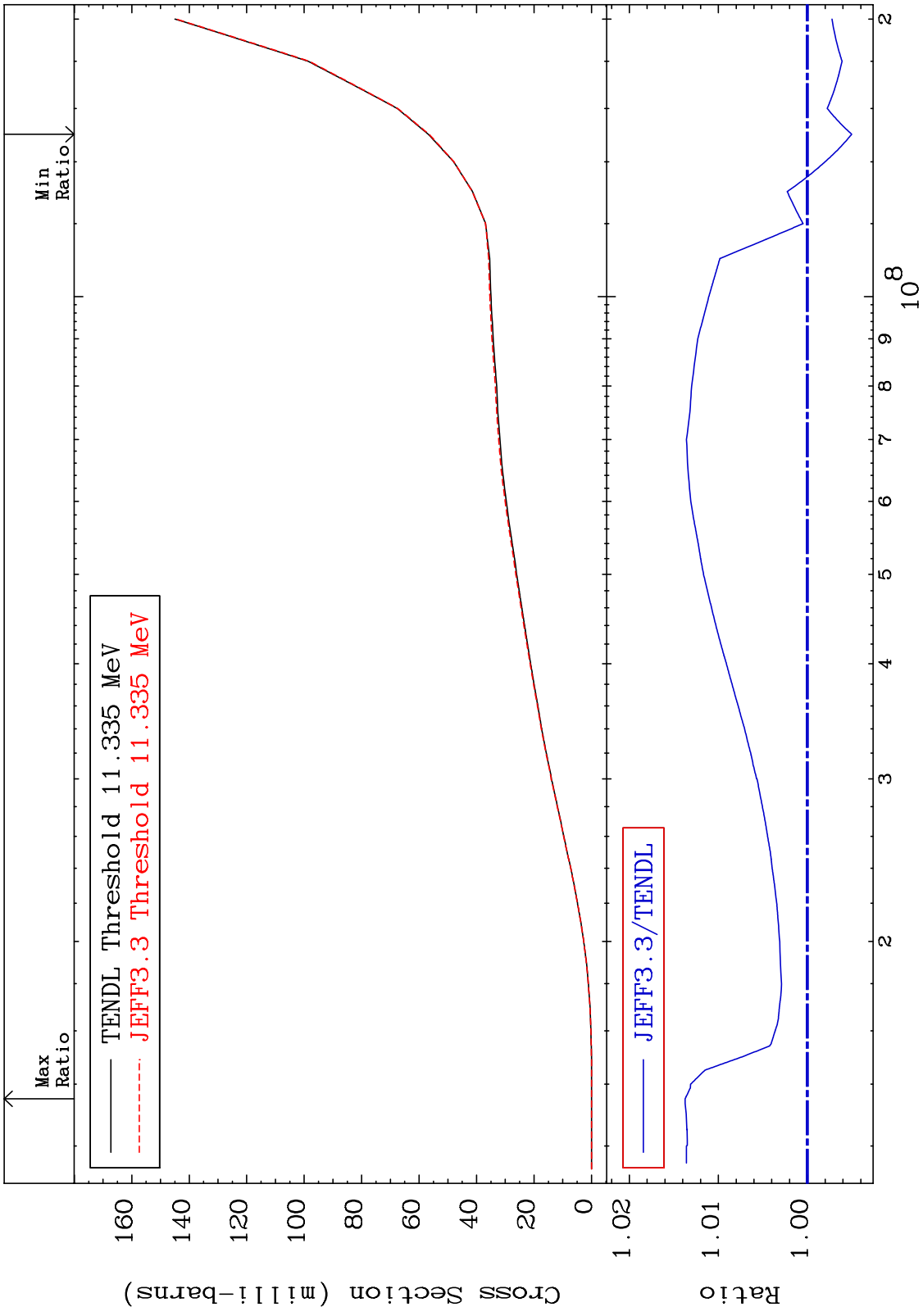
MAT 2234 Hydrogen Production Cross Section 22-Ti-49 To 3.413 %



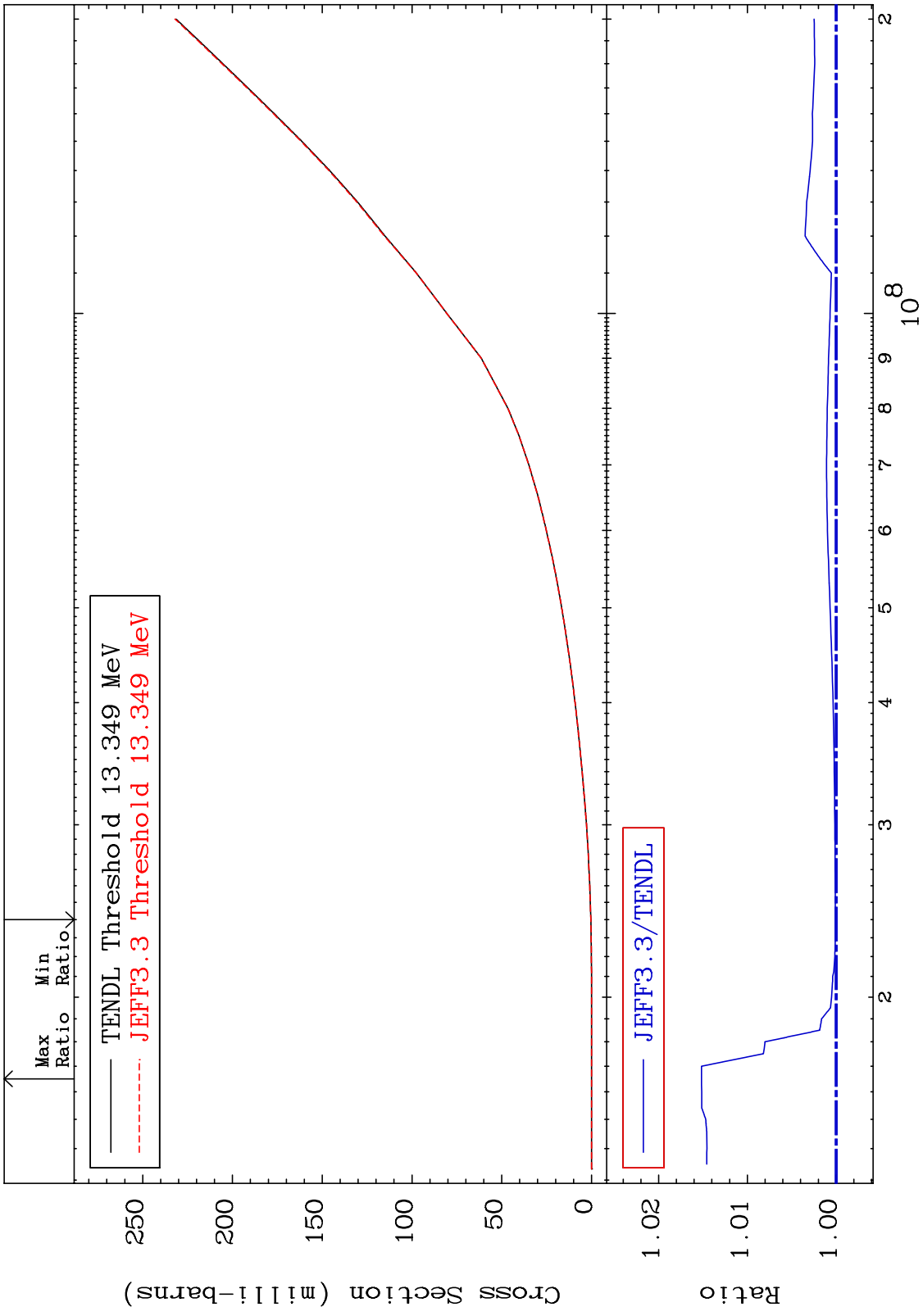
MAT 2234 Deuterium Production Cross Section 22-Ti-49 To 2.652 %



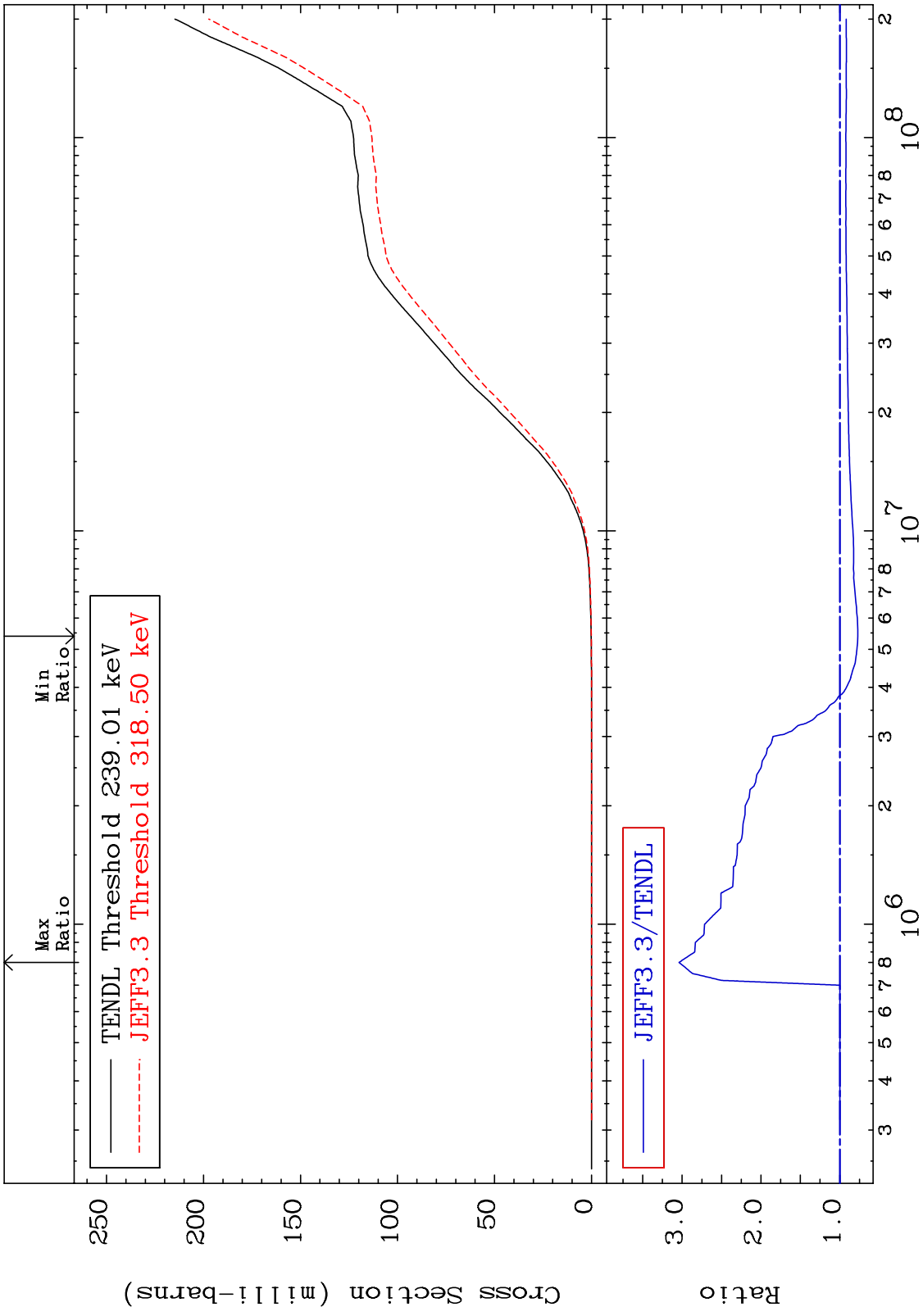
62 22-Ti-49



MAT 2234 He-3 Production Cross Section 22-Ti-49 To 1.516 %



MAT 2234 He-4 Production Cross Section -22.91 To 203.9 % 22-Ti-49

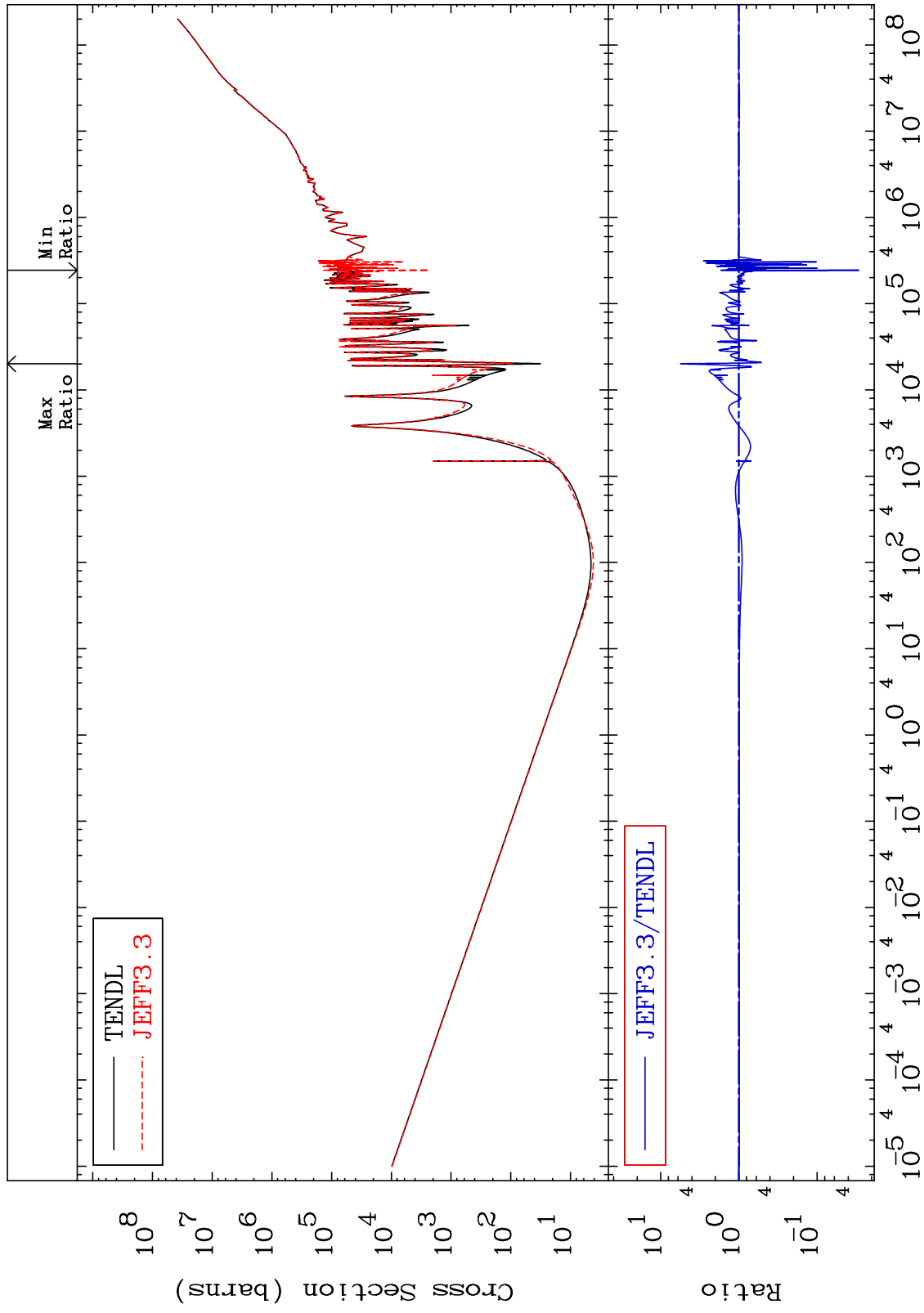


65 22-Ti-49

MAT 2234

Kerma total (eV-barns)
Cross Section

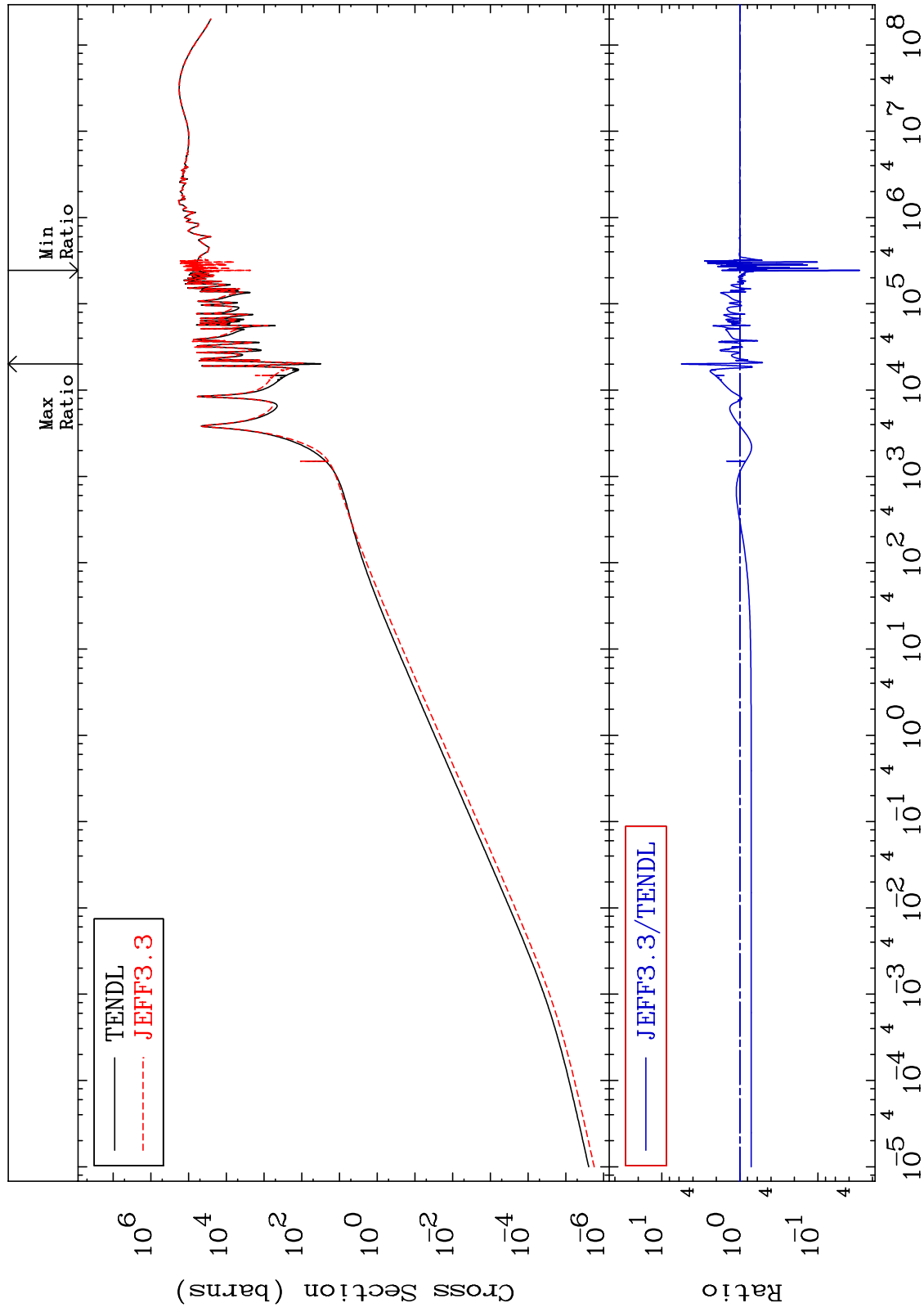
22-Ti-49
-97.09 To 455.8 %



MAT 2234

Kerma elastic
Cross Section

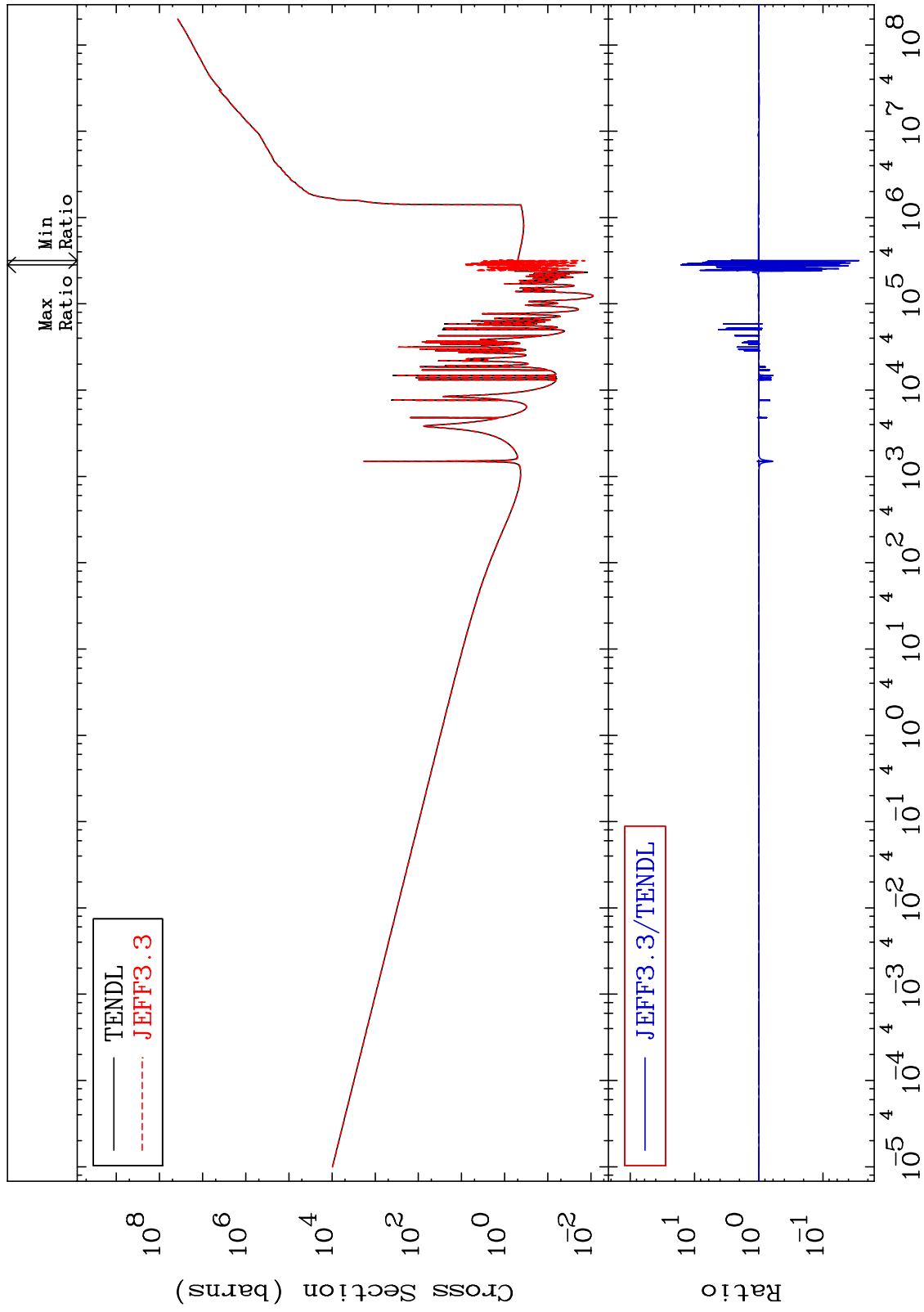
22-Ti-49
-97.09 To 459.6 %



MAT 2234

Kerma non-elastic (all but mt2)
Cross Section

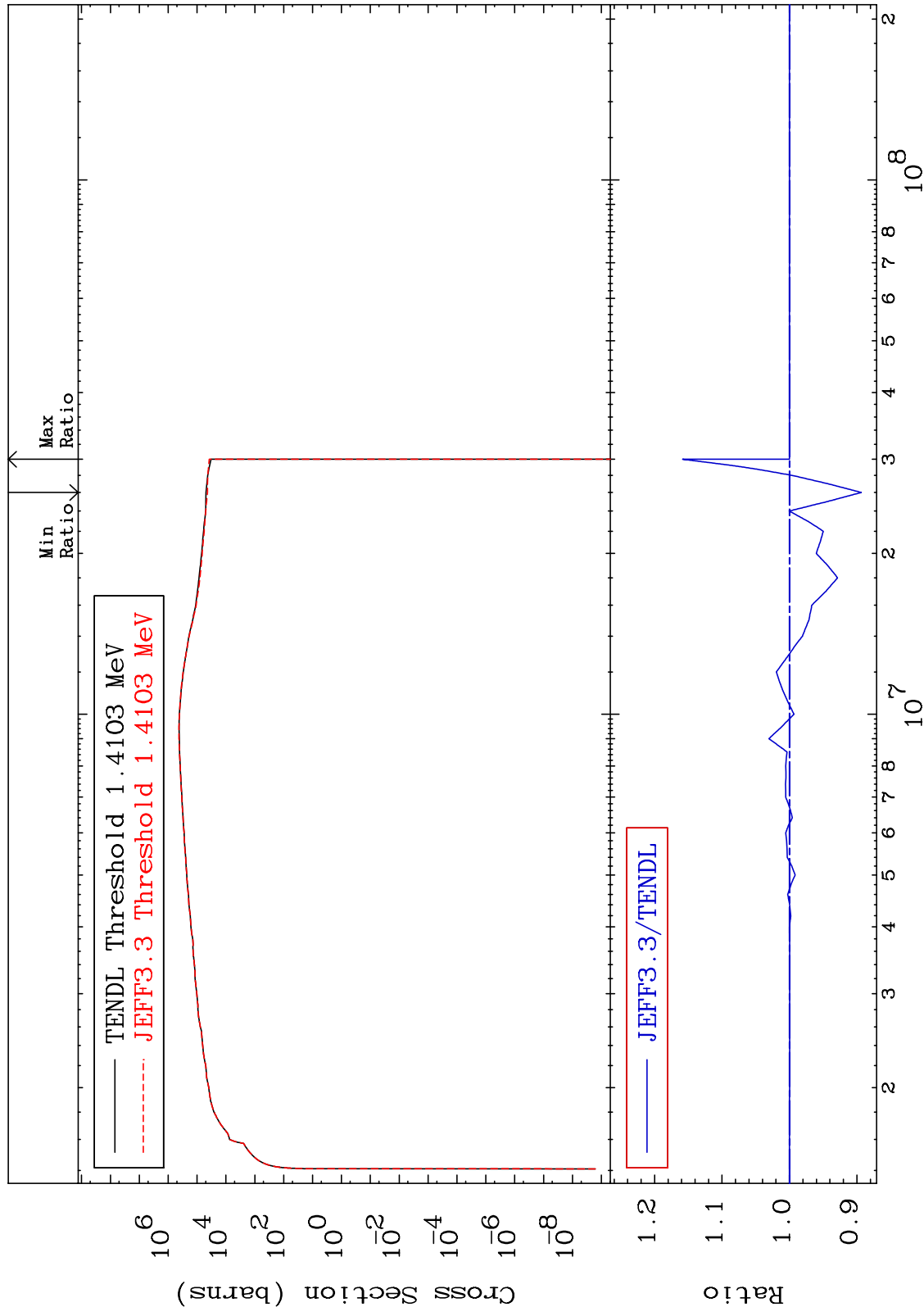
22-Ti-49
-97.26 To 1542. %



MAT 2234

Kerma inelastic (mt51-91)
Cross Section

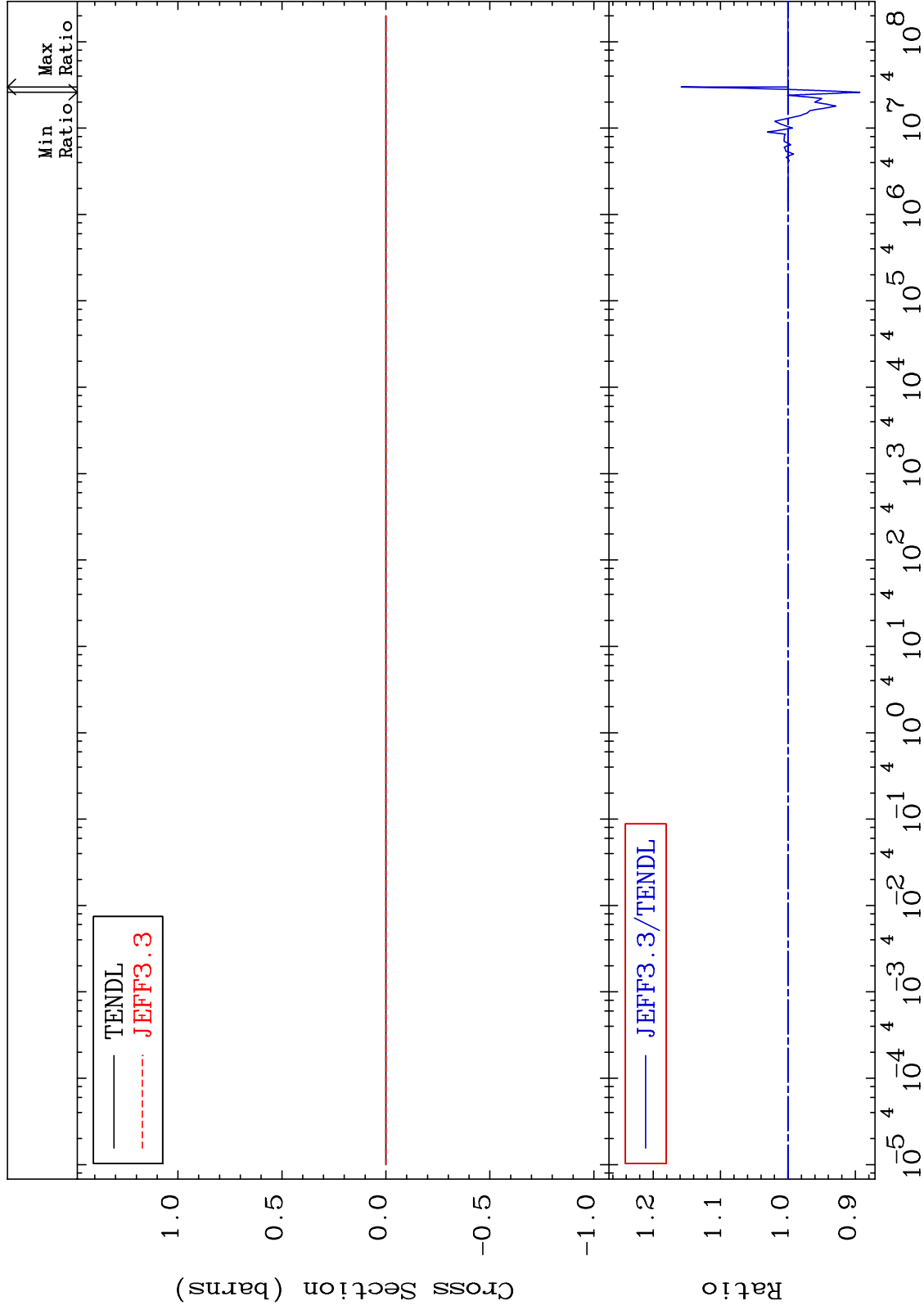
22-Ti-49
-10.66 To 15.84 %



MAT 2234

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

22-Ti-49
-10.66 To 15.84 %



70

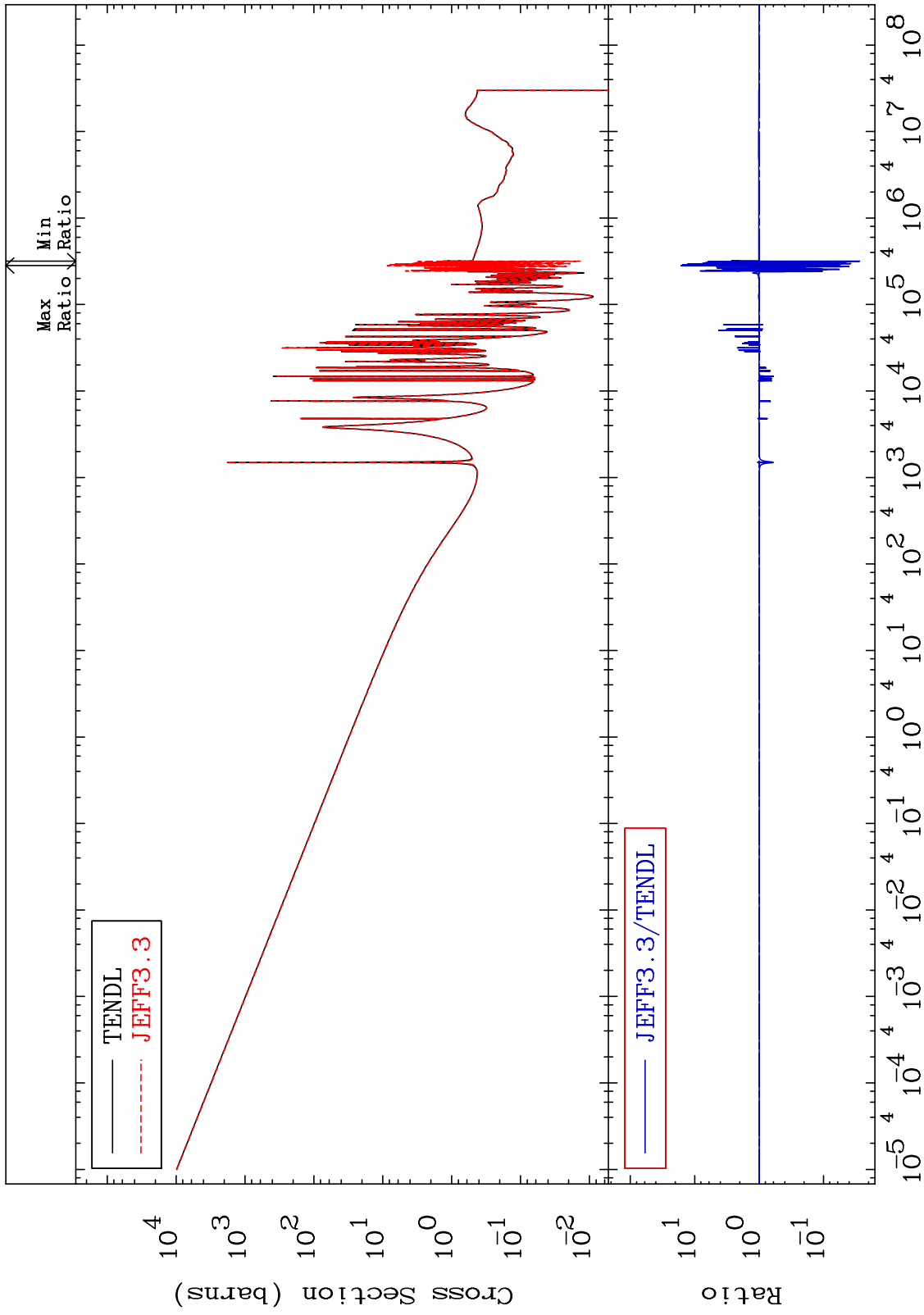
Incident Energy (eV)

22-Ti-49

MAT 2234

Kerma capture (mt102)
Cross Section

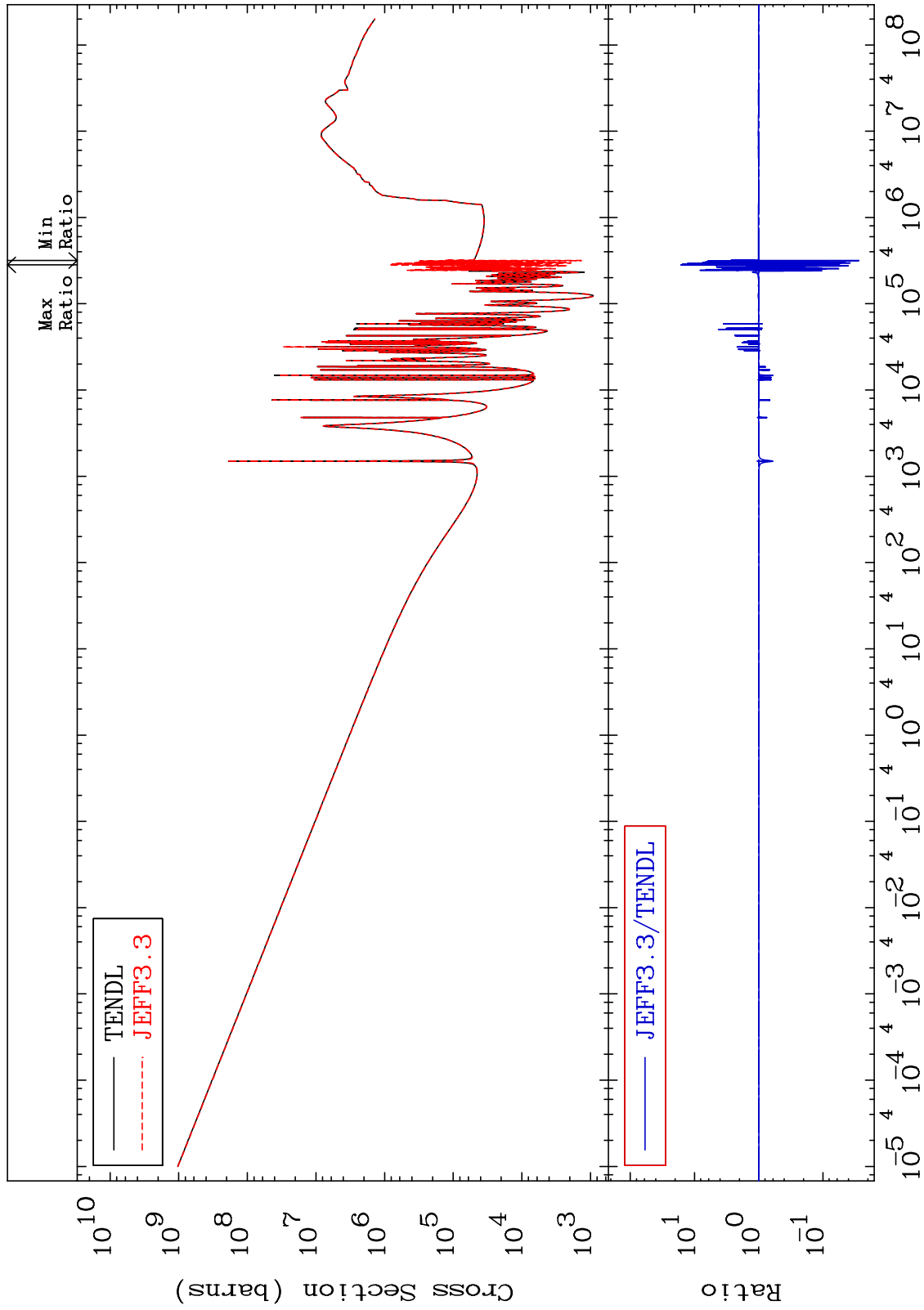
22-Ti-49
-97.26 To 1542. %



MAT 2234

Total photon (eV-barns)
Cross Section

22-Ti-49
-97.26 To 1541. %



72

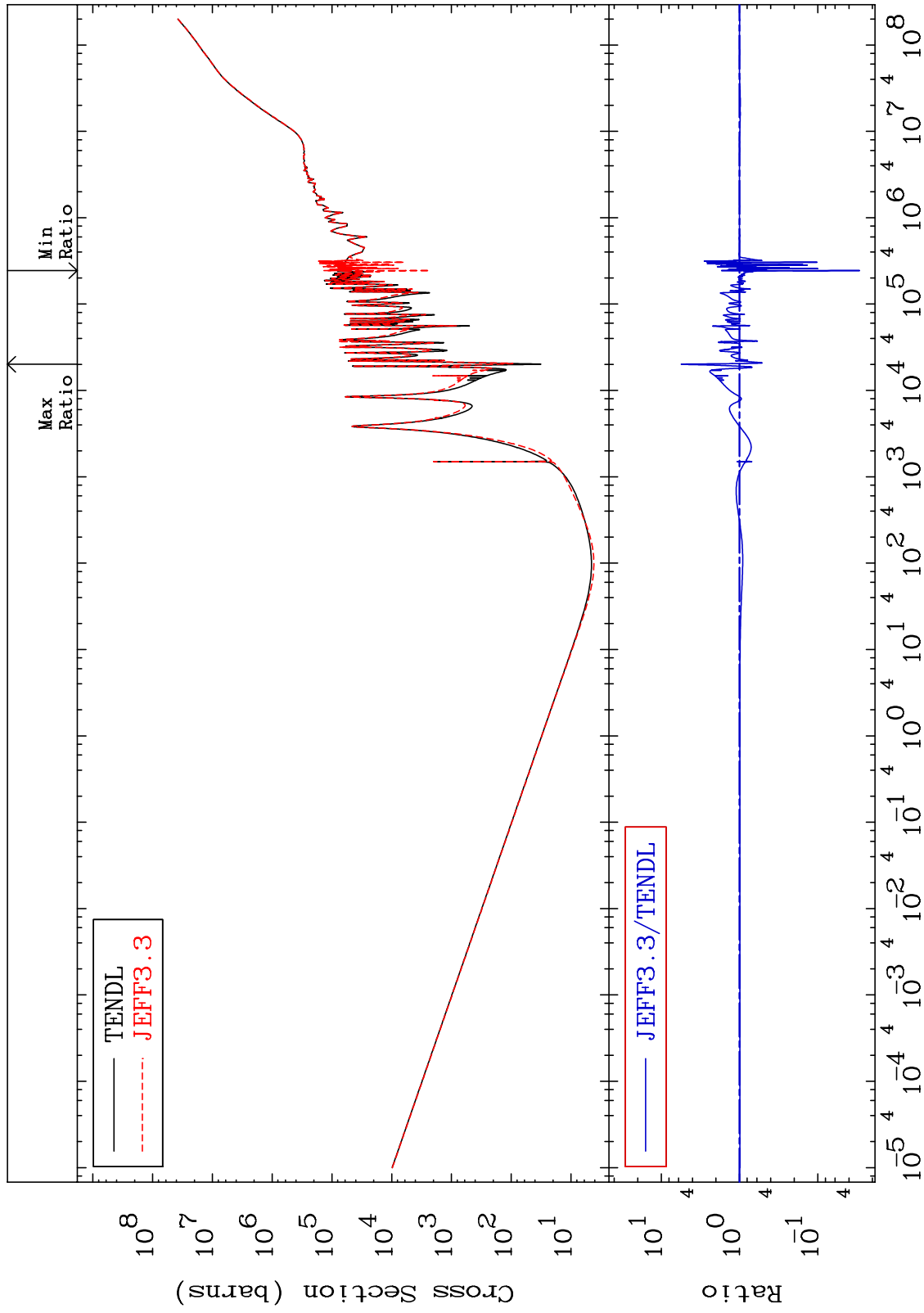
Incident Energy (eV)

22-Ti-49

MAT 2234

Total kinematic kerma (high limit)
Cross Section

22-Ti-49
-97.09 To 455.8 %



73

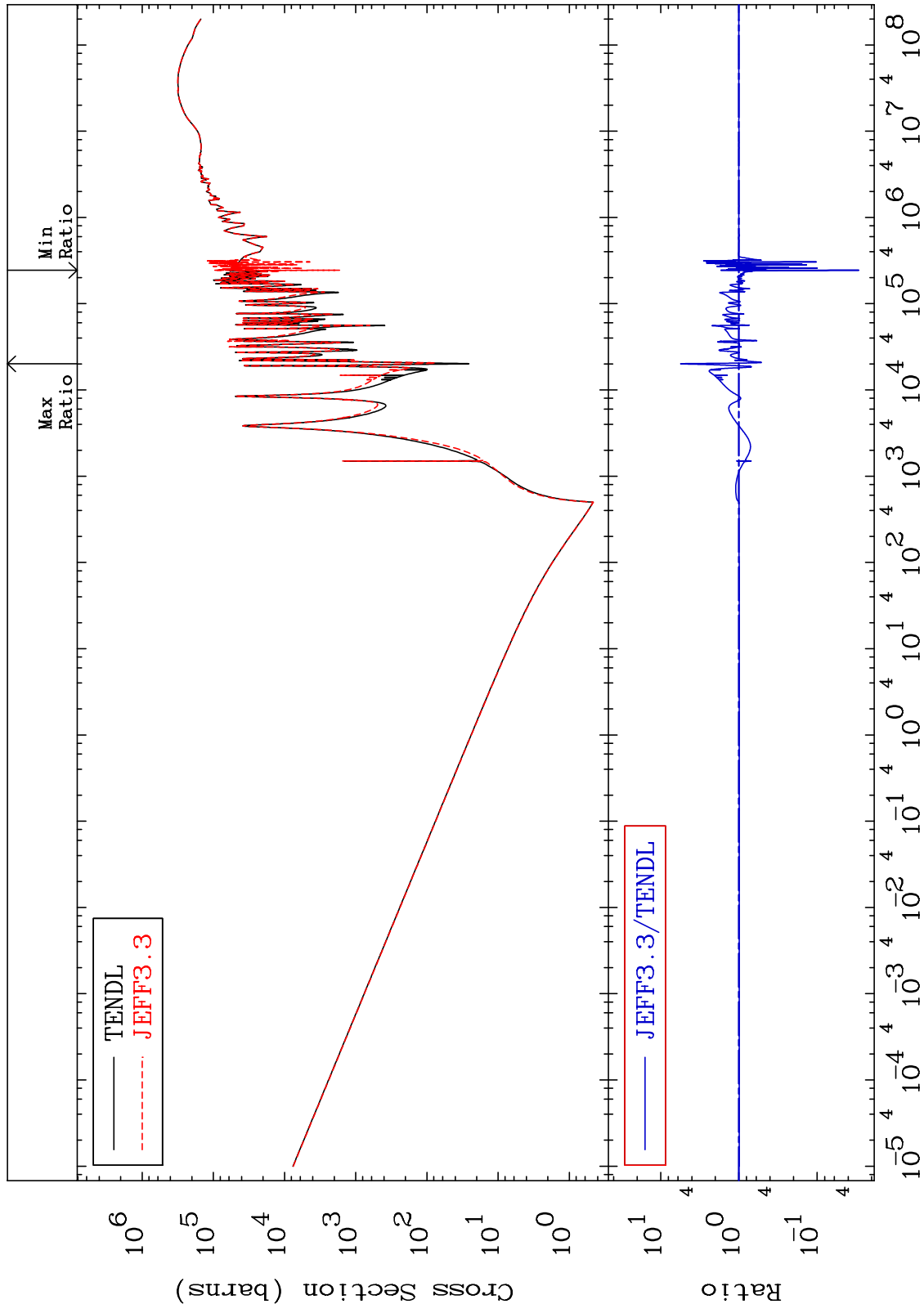
Incident Energy (eV)

22-Ti-49

MAT 2234

Dpa total (eV-barns)
Cross Section

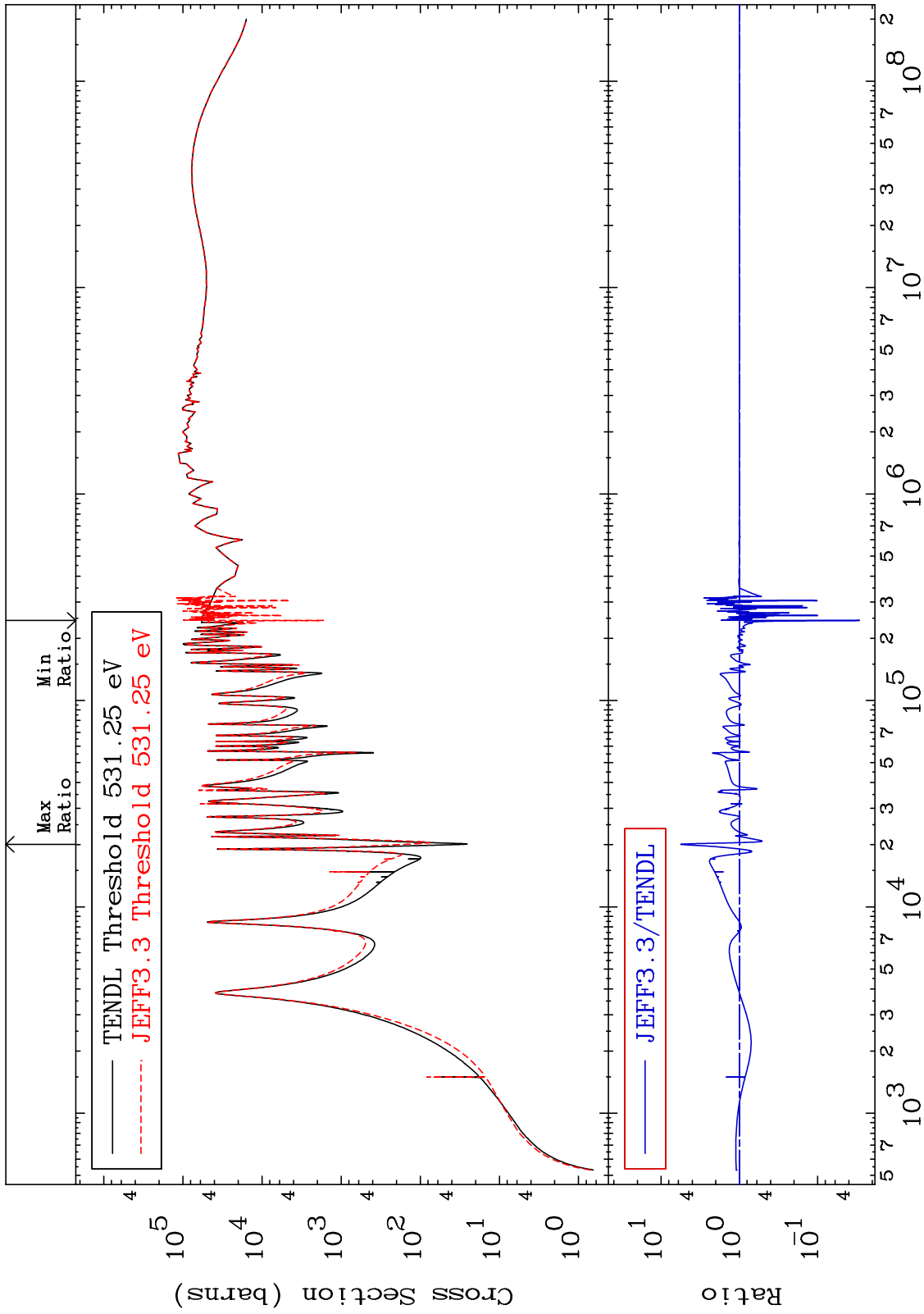
22-Ti-49
-97.09 To 456.0 %



MAT 2234

Dpa elastic (mt2)
Cross Section

22-Ti-49
-97.09 To 459.6 %



75

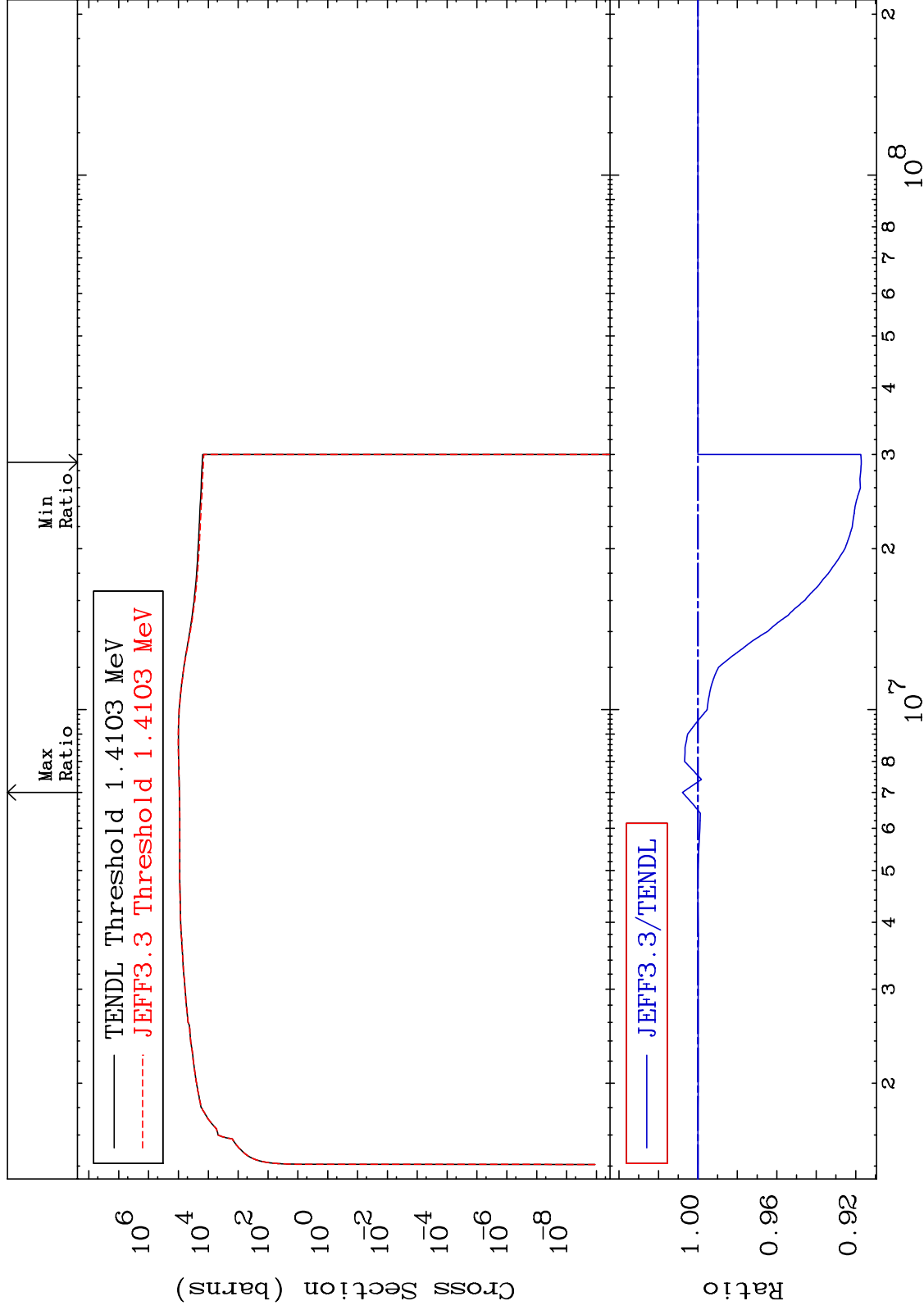
Incident Energy (eV)

22-Ti-49

MAT 2234

Dpa inelastic (mt51-91)
Cross Section

22-Ti-49
-8.284 To 0.784 %



76

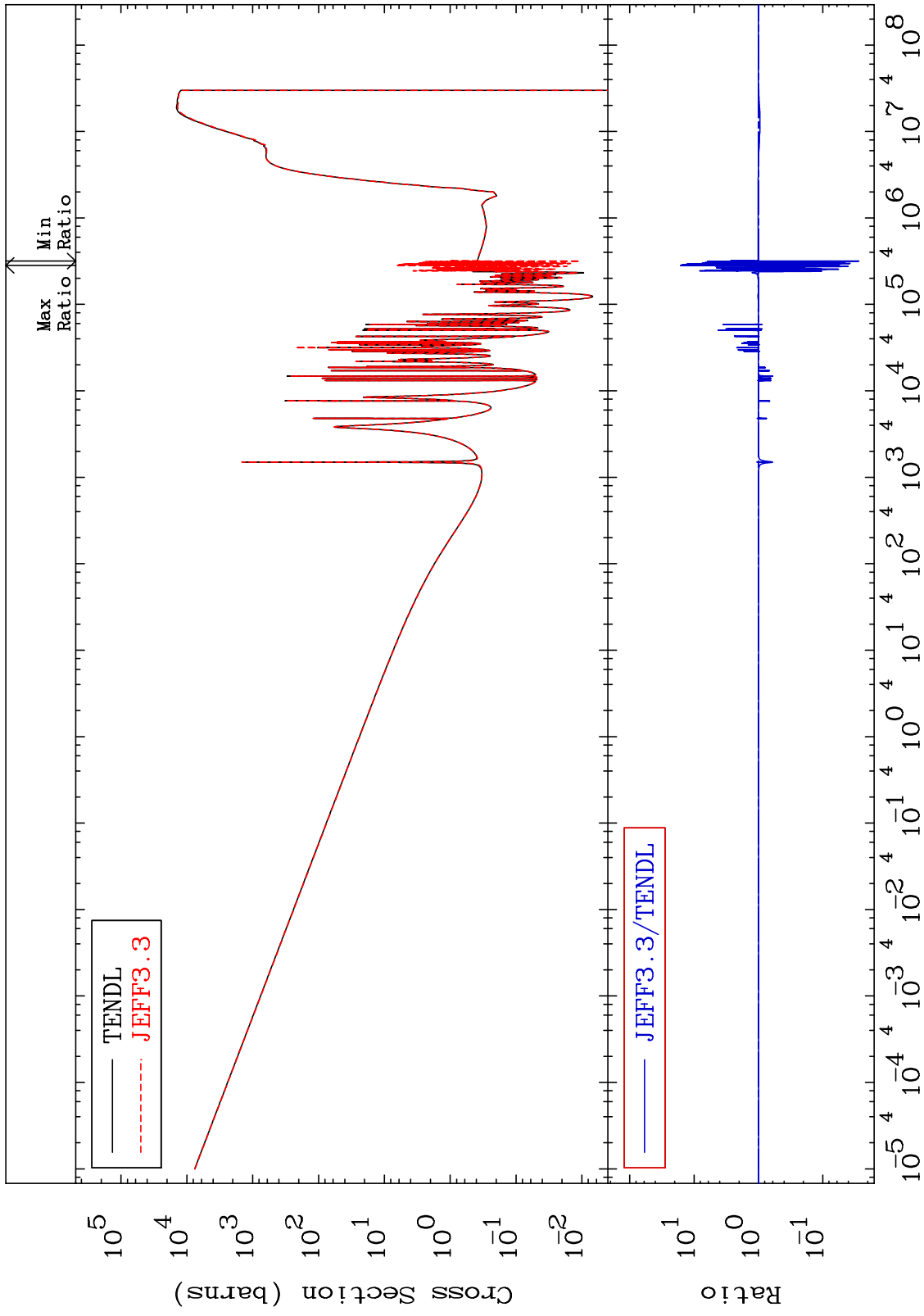
Incident Energy (eV)

22-Ti-49

MAT 2234

Dpa disappearance (mt102 -120)
Cross Section

22-Ti-49
-97.26 To 1542. %



77

Incident Energy (eV)

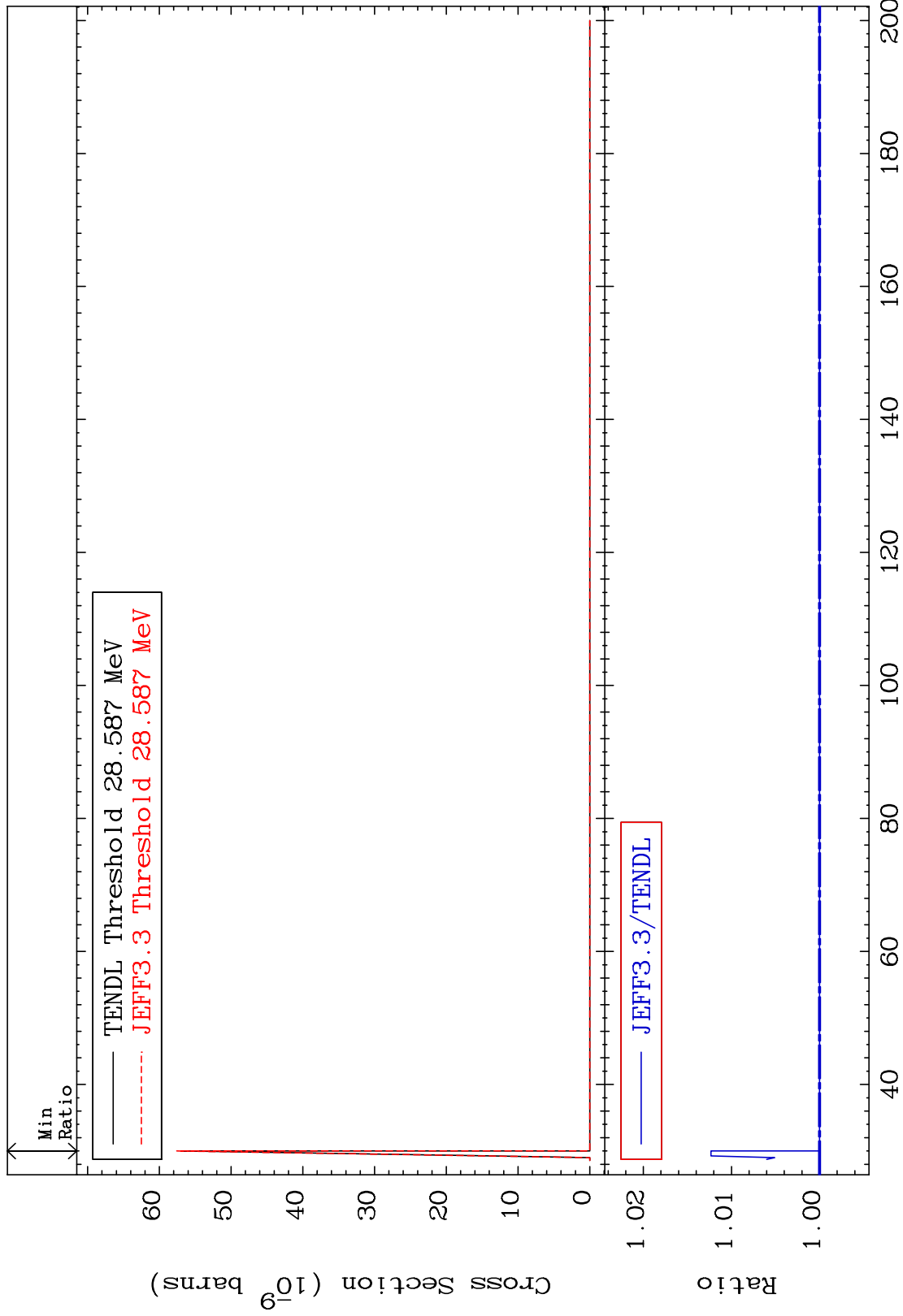
22-Ti-49

MAT 2234

(n,2n) d:21-Sc-46g

22-Ti-49

Radionuclide Production Cross Section 0.000 To 1.234 %



78

Incident Energy (MeV)

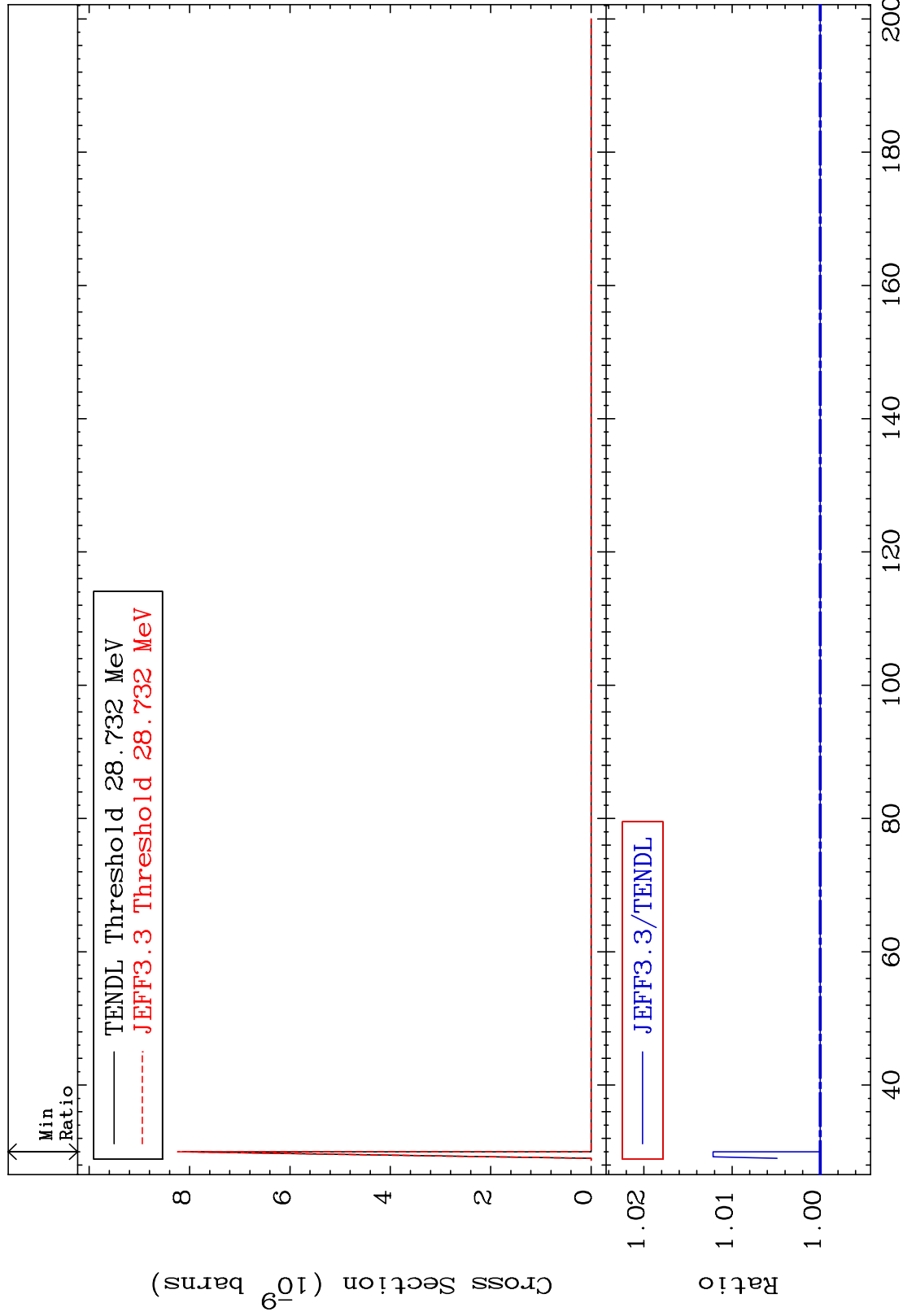
22-Ti-49

MAT 2234

(n,2n) d:21-Sc-46m2

22-Ti-49

Radionuclide Production Cross Section 0.000 To 1.216 %

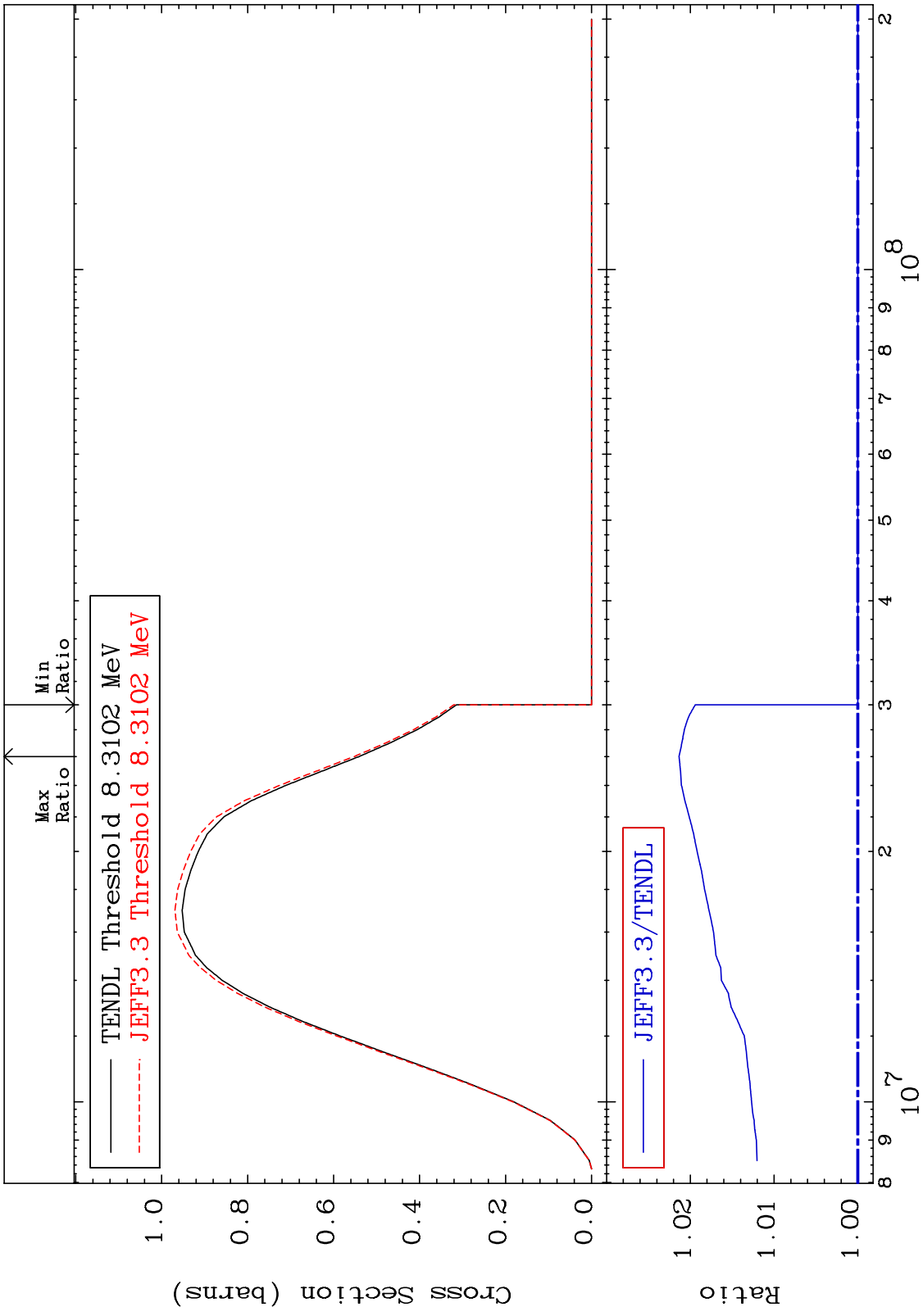


79

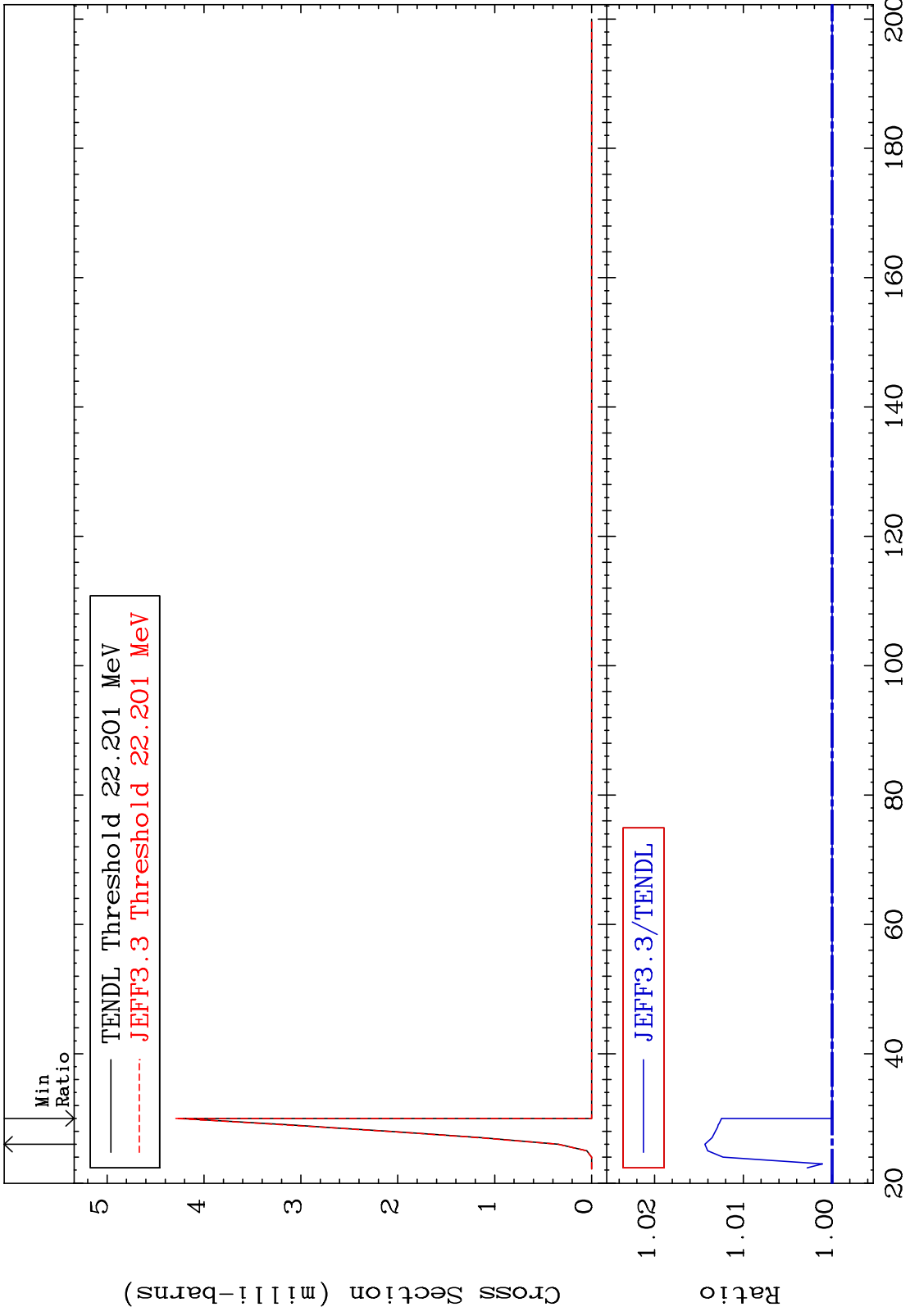
Incident Energy (MeV)

22-Ti-49

MAT 2234 (n,2n):22-Ti-48g 22-Ti-49
 Radionuclide Production Cross Section 0.000 To 2.134 %



MAT 2234 (n,n') t:21-Sc-46g 22-Ti-49
 Radionuclide Production Cross Section 0.000 To 1.433 %

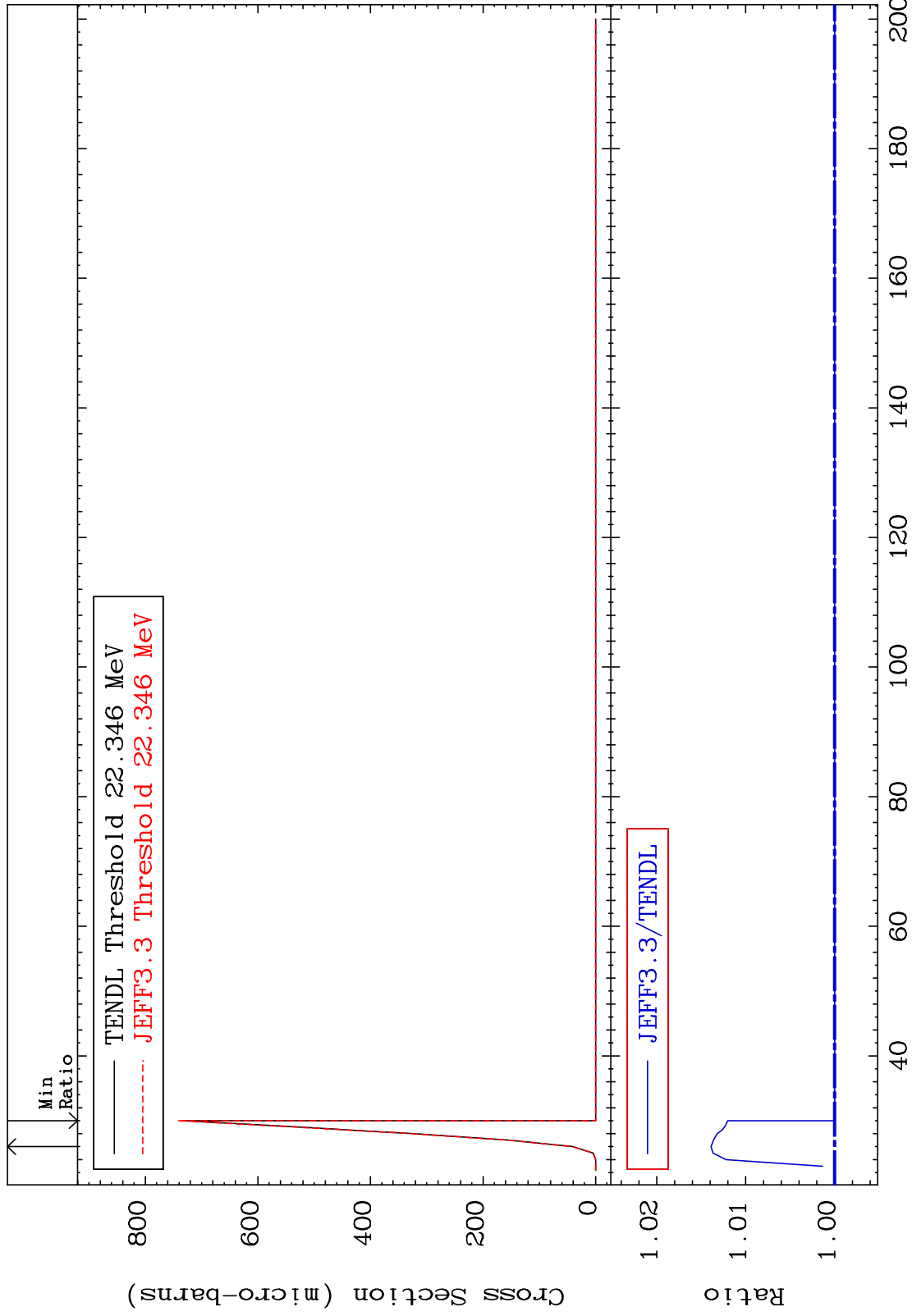


MAT 2234

(n, n') t:21-Sc-46m2

22-Ti-49

Radionuclide Production Cross Section 0.000 To 1.390 %



82

Incident Energy (MeV)

22-Ti-49