

Program Complot
(Version 2018-1)

by

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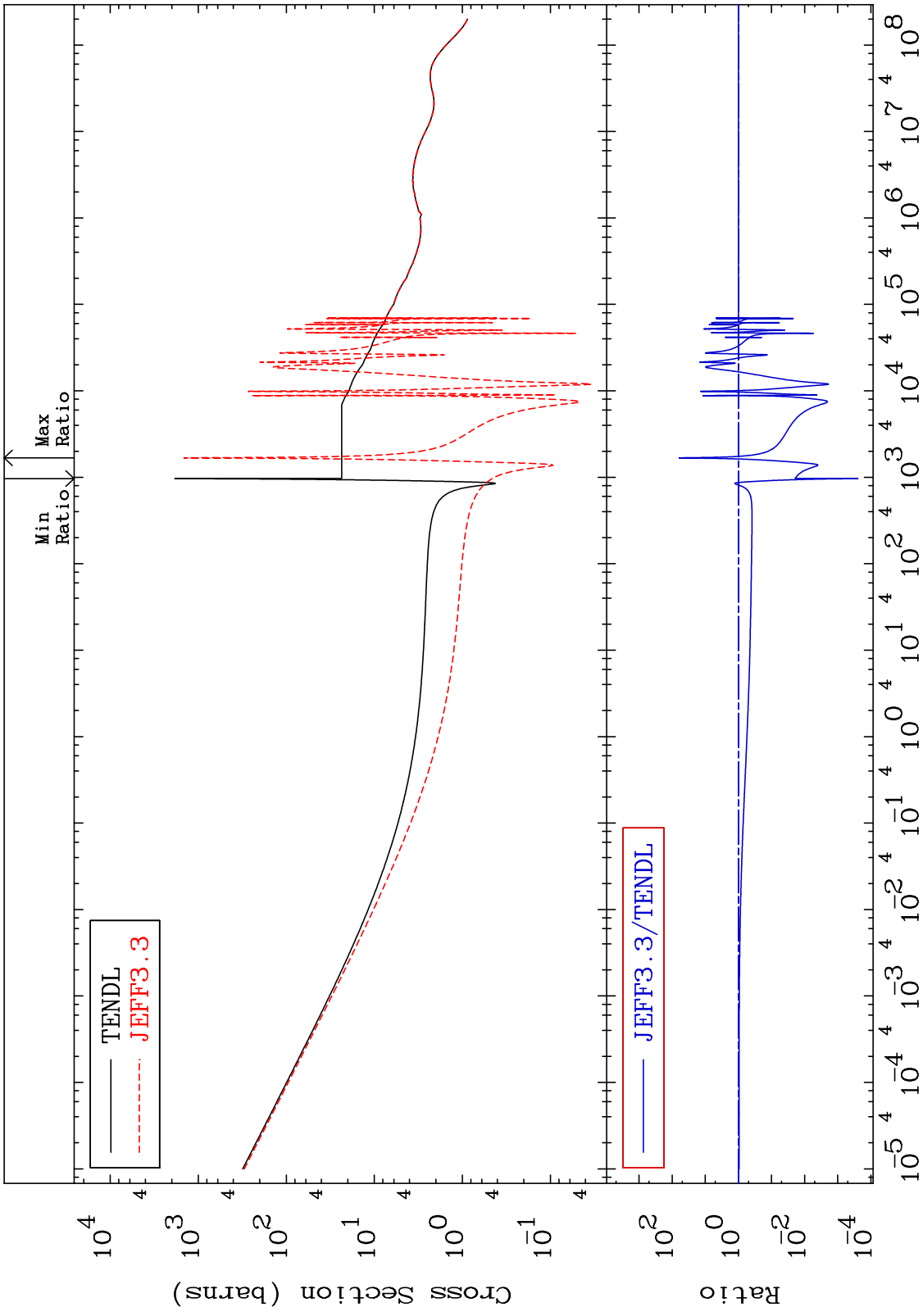
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Press Mouse Button to Start

MAT 2219 22-Ti-44
-99.98 To 6107. %
 Total Cross Section

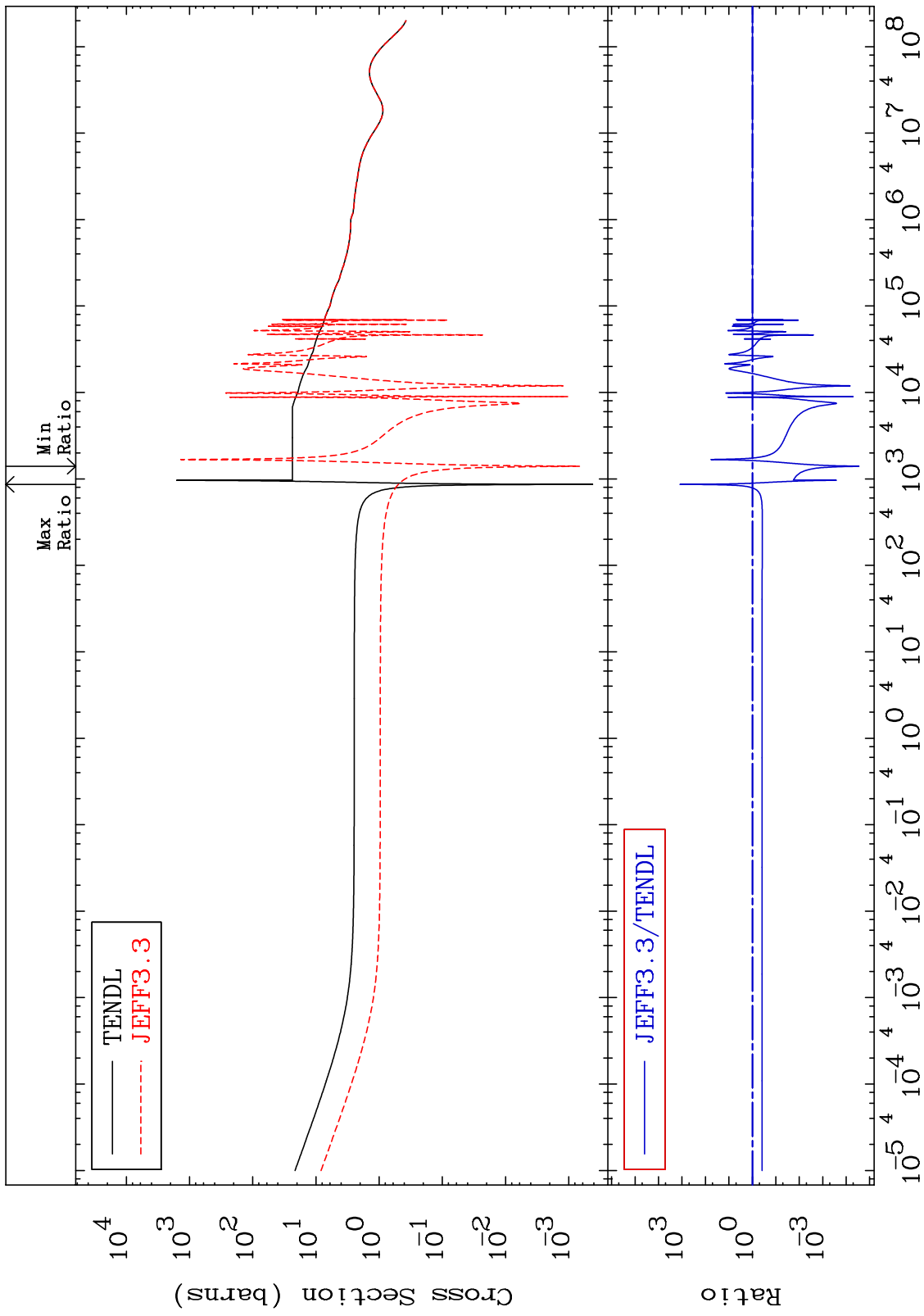


1 Incident Energy (eV) 22-Ti-44

MAT 2219

Elastic
Cross Section

22-Ti-44
-100.0 To 9999. %



2

Incident Energy (eV)

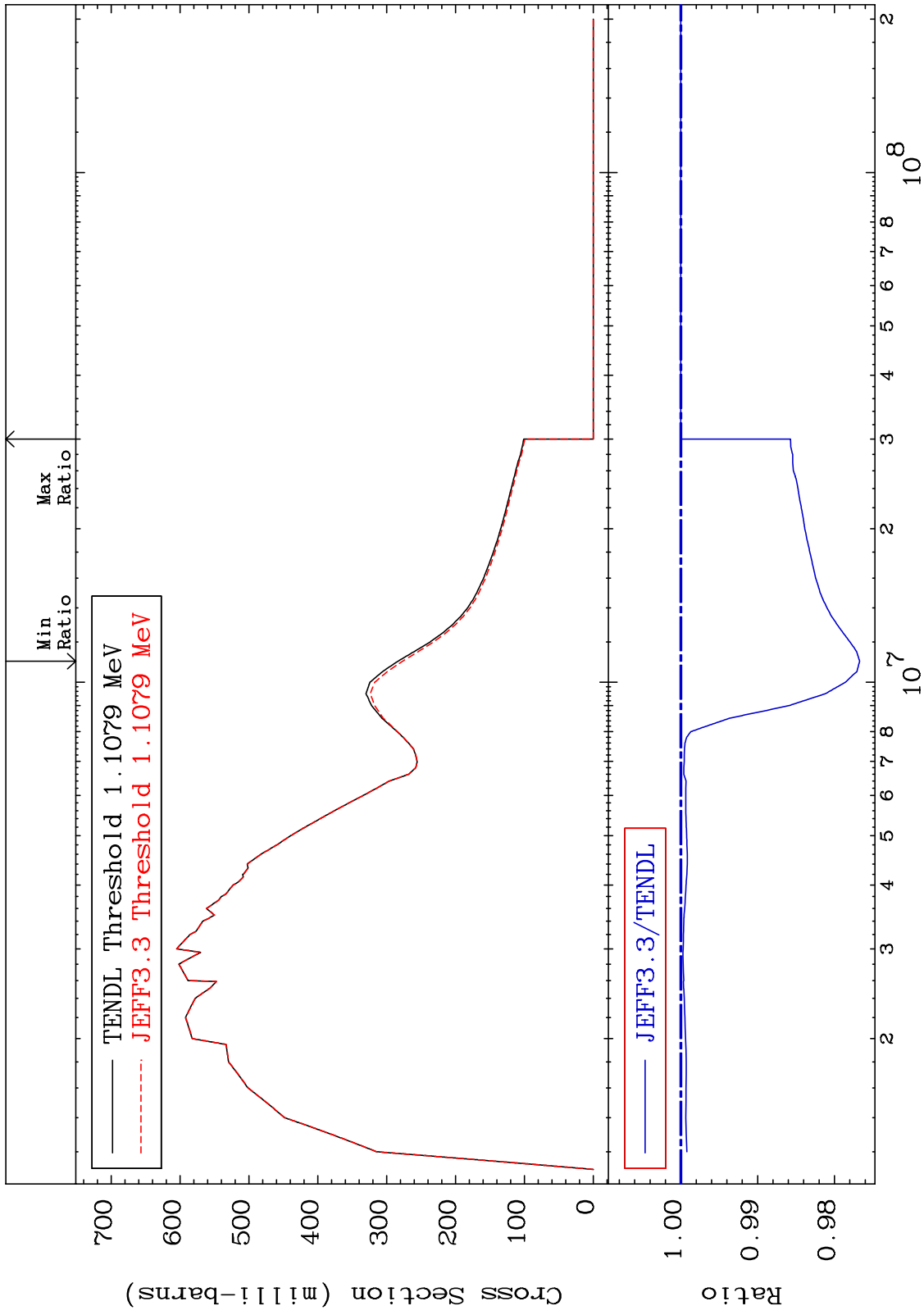
22-Ti-44

MAT 2219

22-Ti-44

Inelastic
Cross Section

-2.328 To 0.000 %

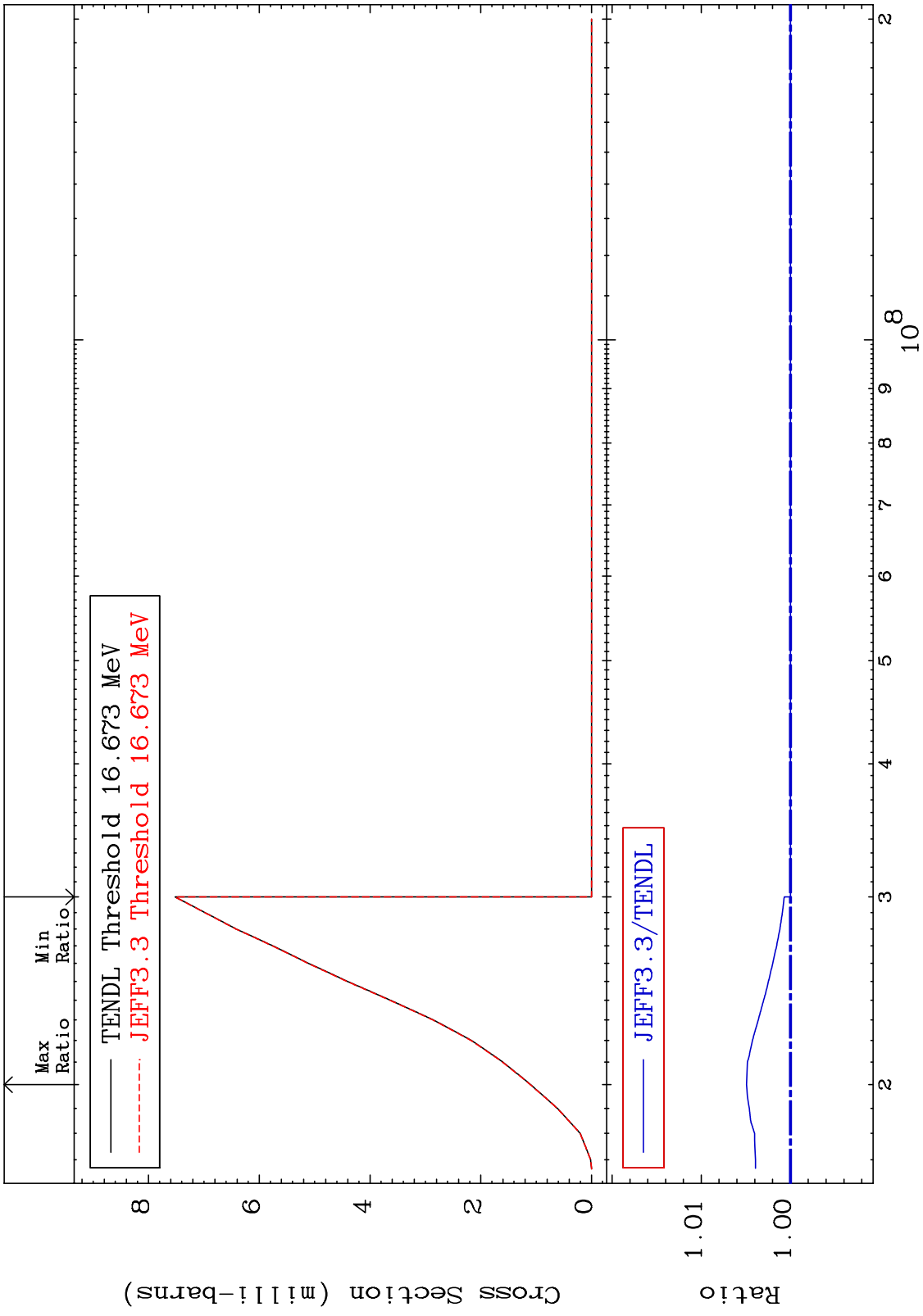


3

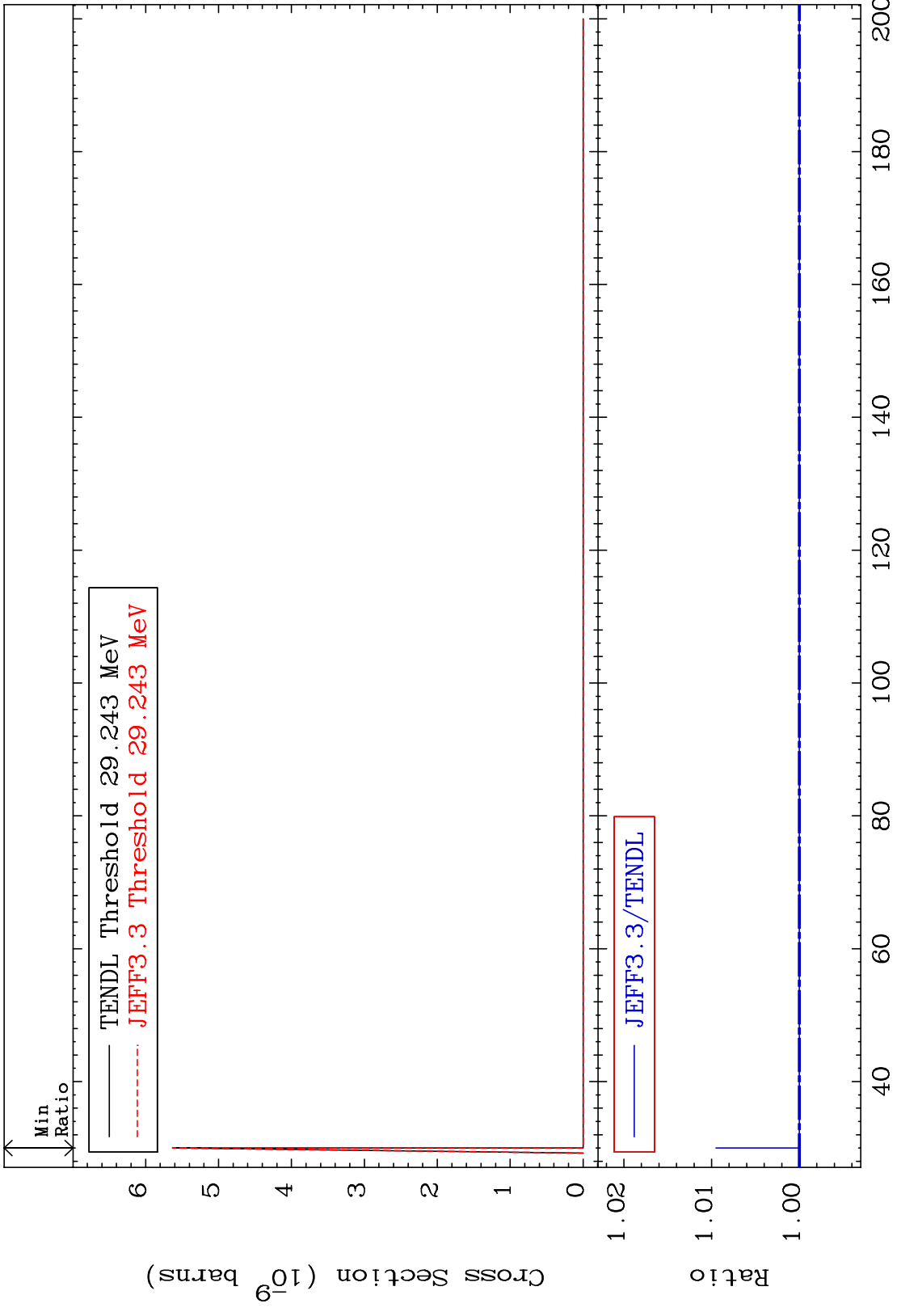
Incident Energy (eV)

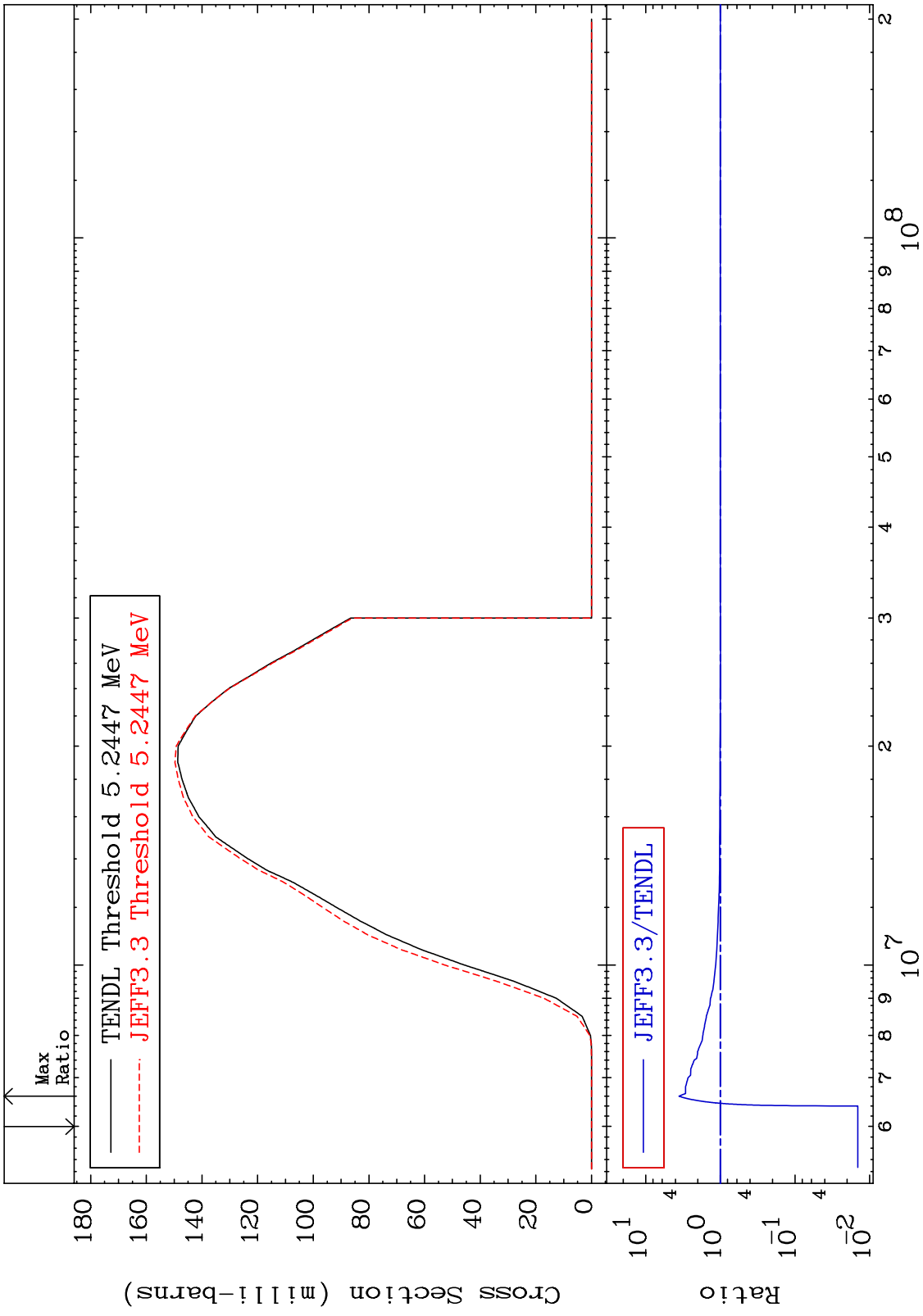
22-Ti-44

MAT 2219 (n,2n) Cross Section 22-Ti-44
 0.000 To 0.493 %



MAT 2219 (n,3n) Cross Section 22-Ti-44 To 0.952 %





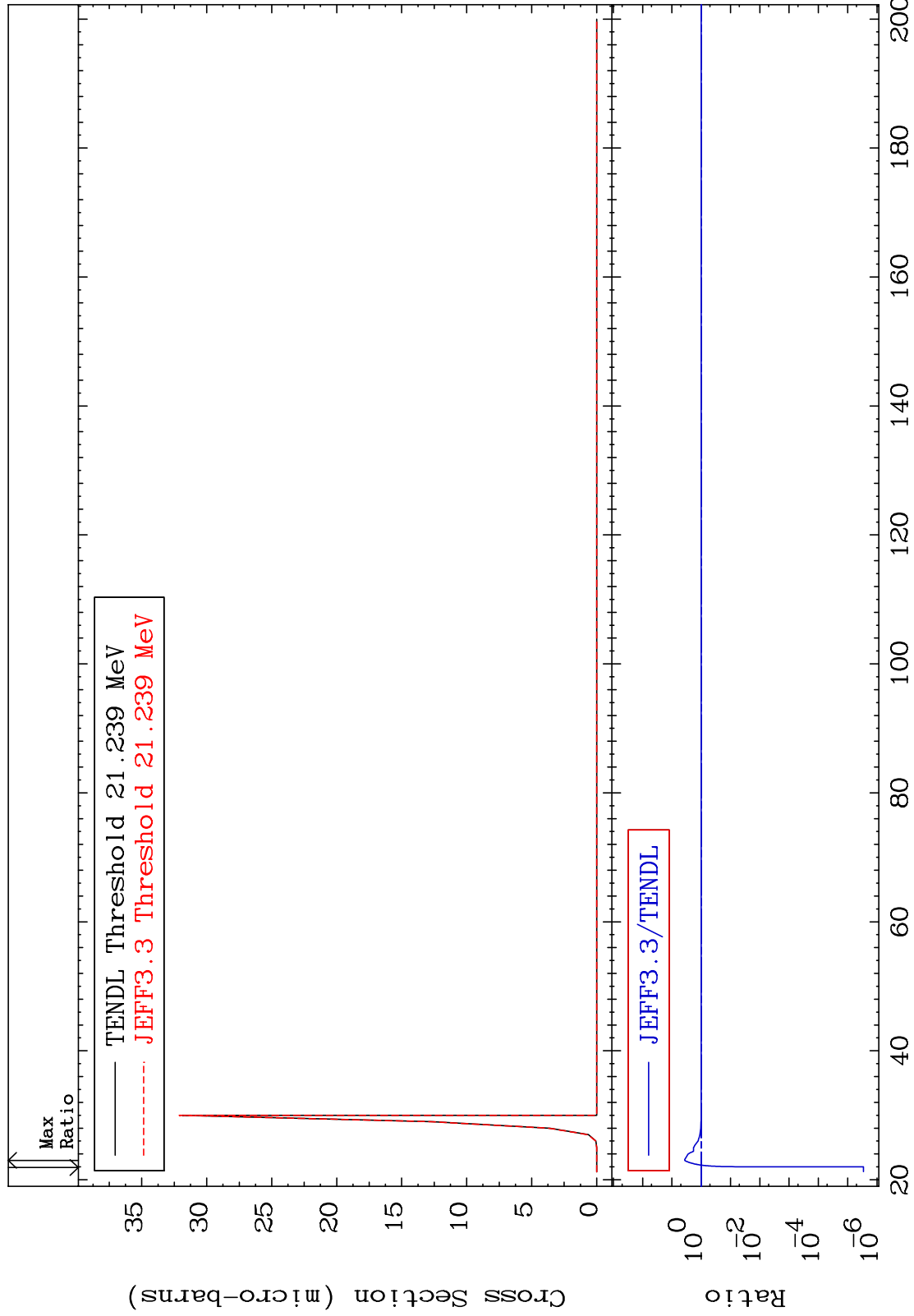
MAT 2219

(n,2n) α

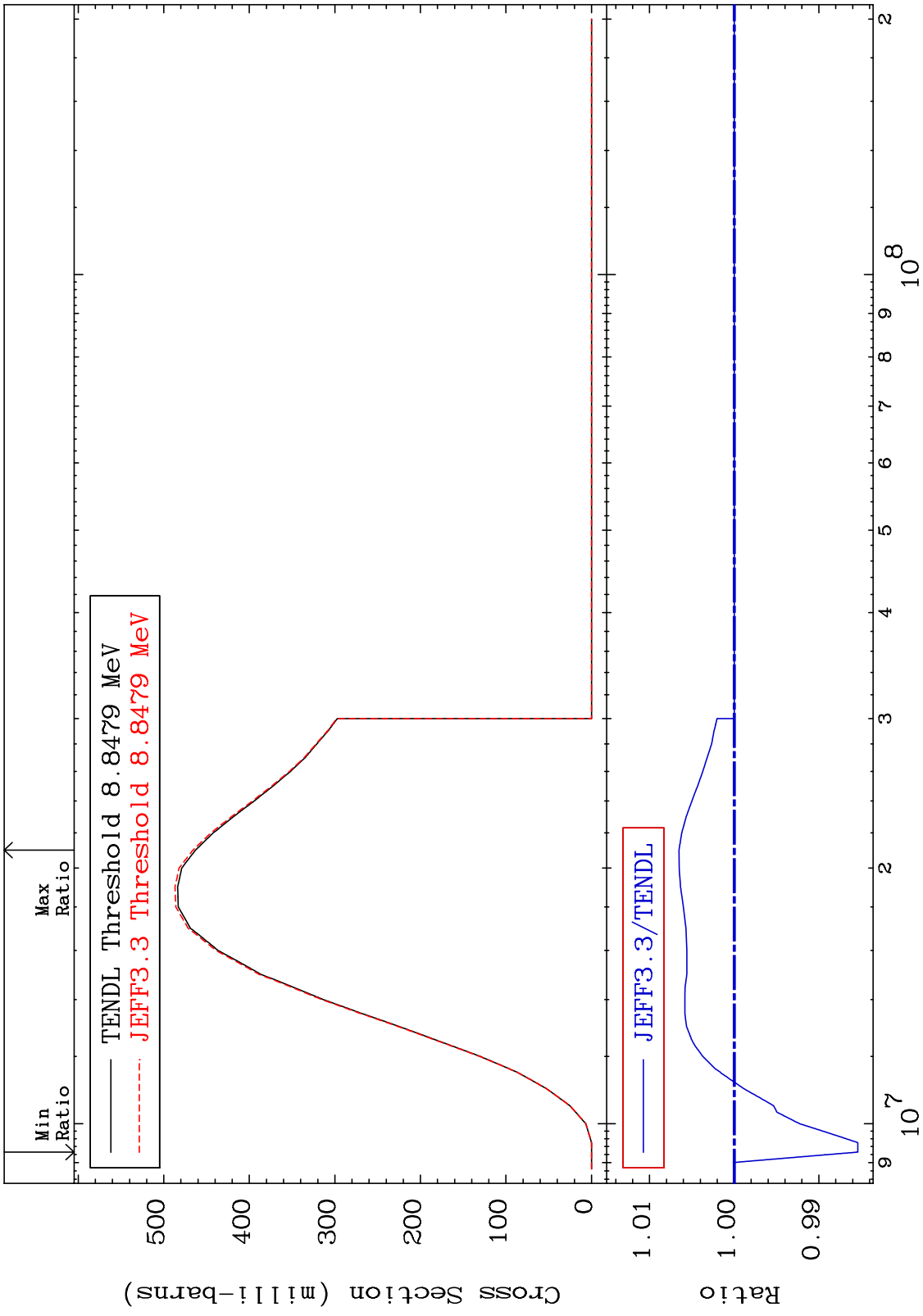
22-Ti-44

Cross Section

-100.0 To 275.3 %

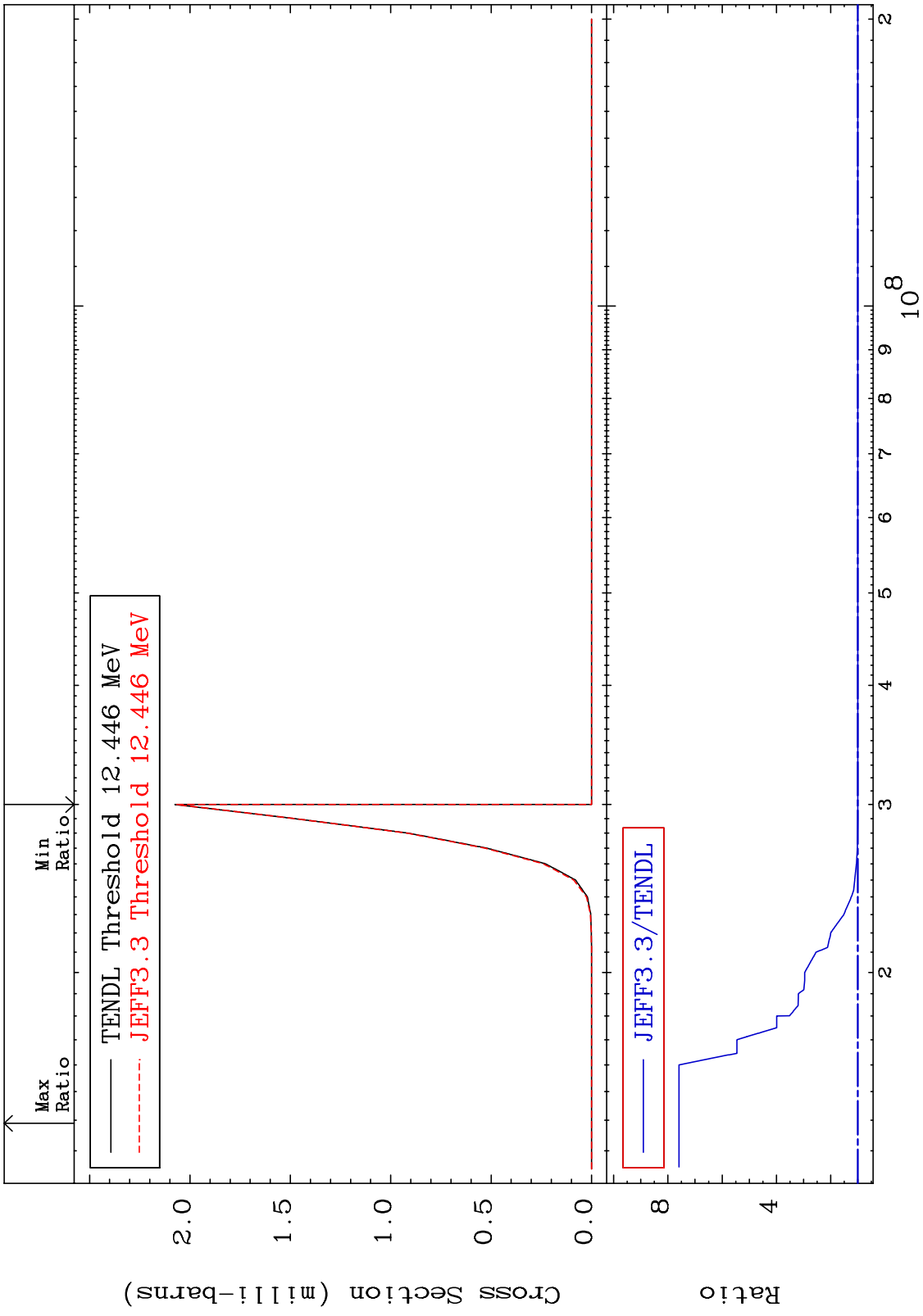


MAT 2219 (n,n') p 22-Ti-44
Cross Section -1.460 To 0.652 %

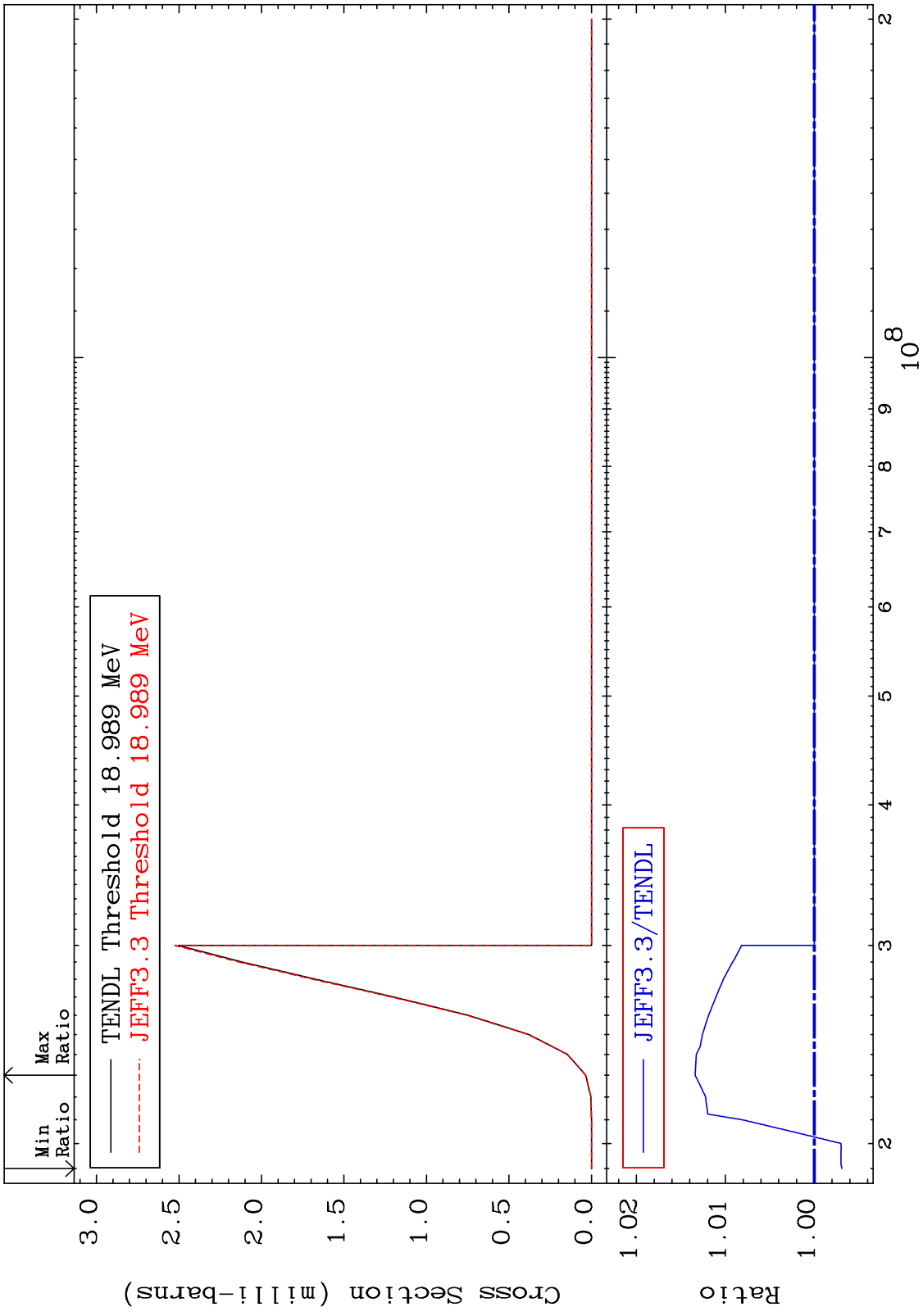


22-Ti-44 Incident Energy (eV)

MAT 2219 (n,n') 2α Cross Section 22-Ti-44 -0.282 To 659.0 %

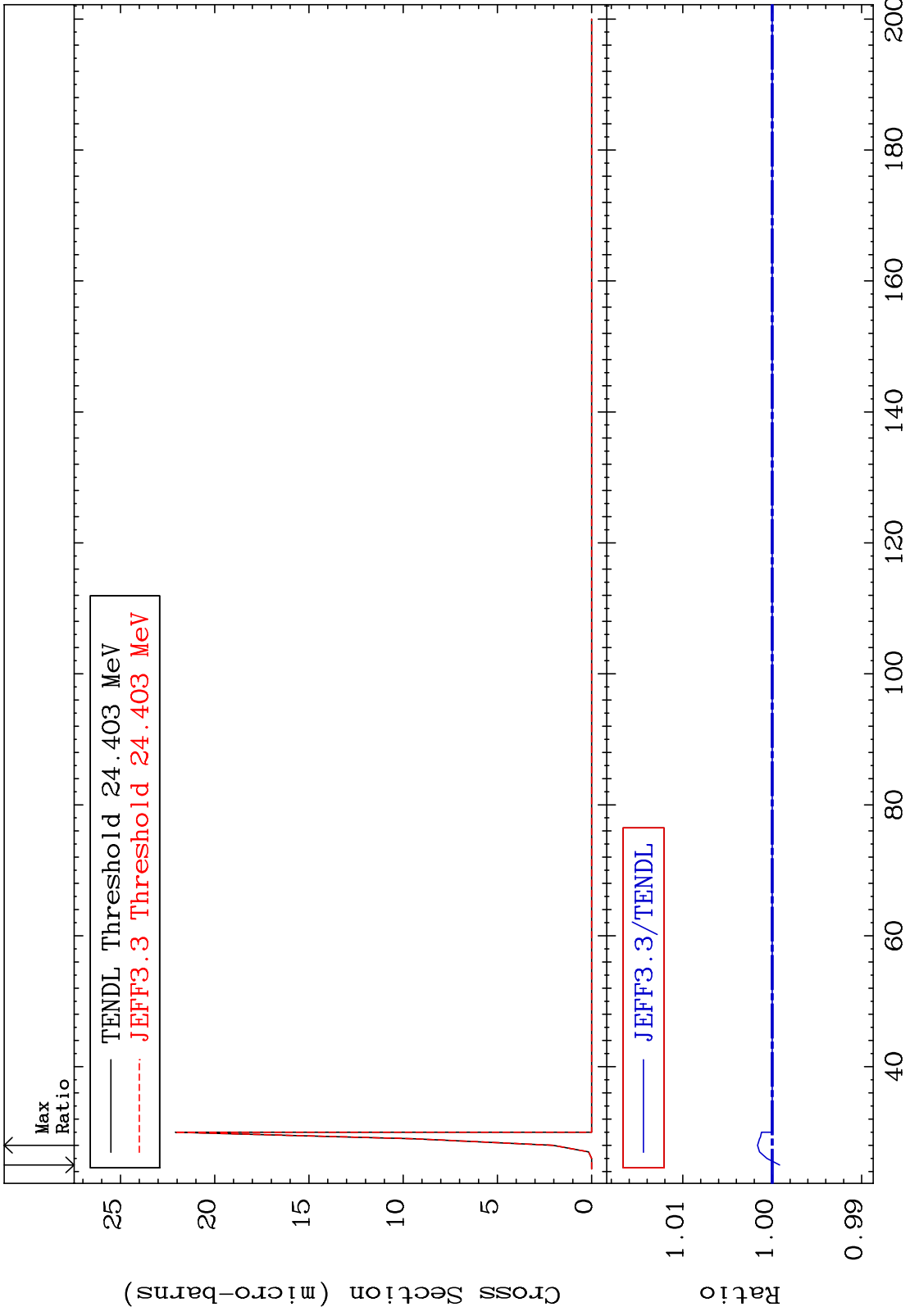


MAT 2219 (n,n') d 22-Ti-44
 Cross Section -0.309 To 1.340 %

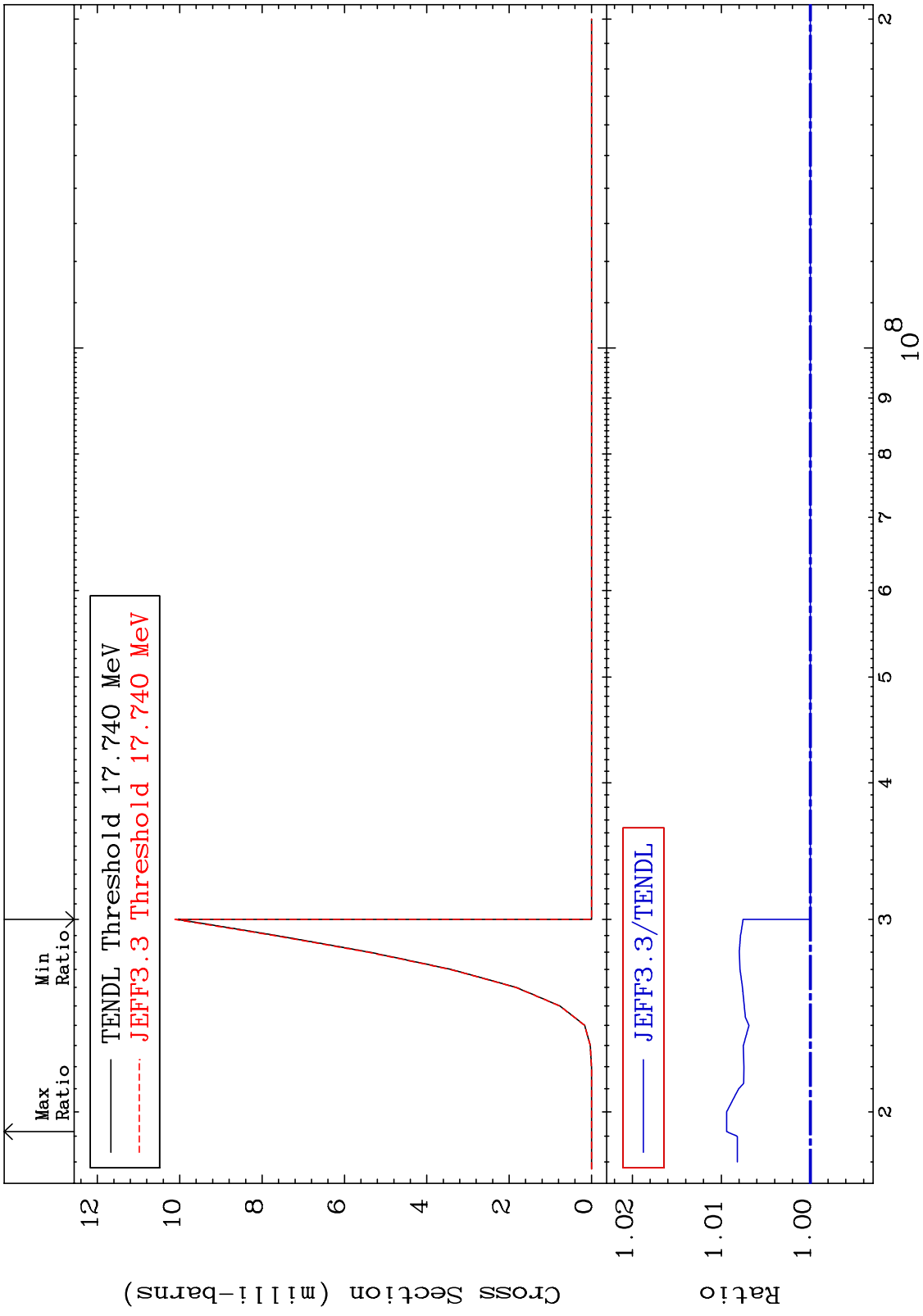


10 22-Ti-44

MAT 2219 (n,n') t 22-Ti-44
 Cross Section -0.083 To 0.164 %



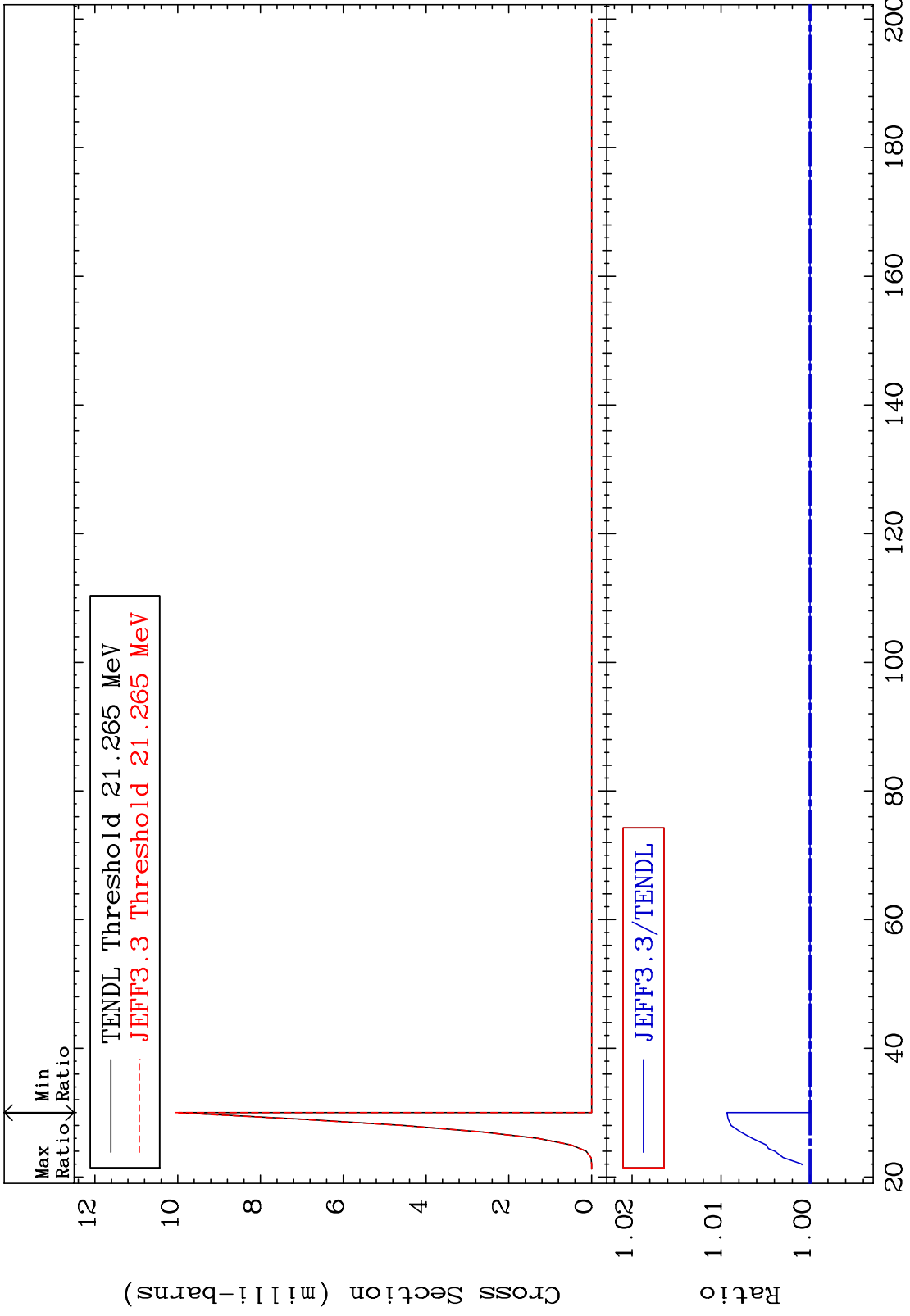
MAT 2219 (n,n') He-3 22-Ti-44
Cross Section 0.000 To 0.941 %



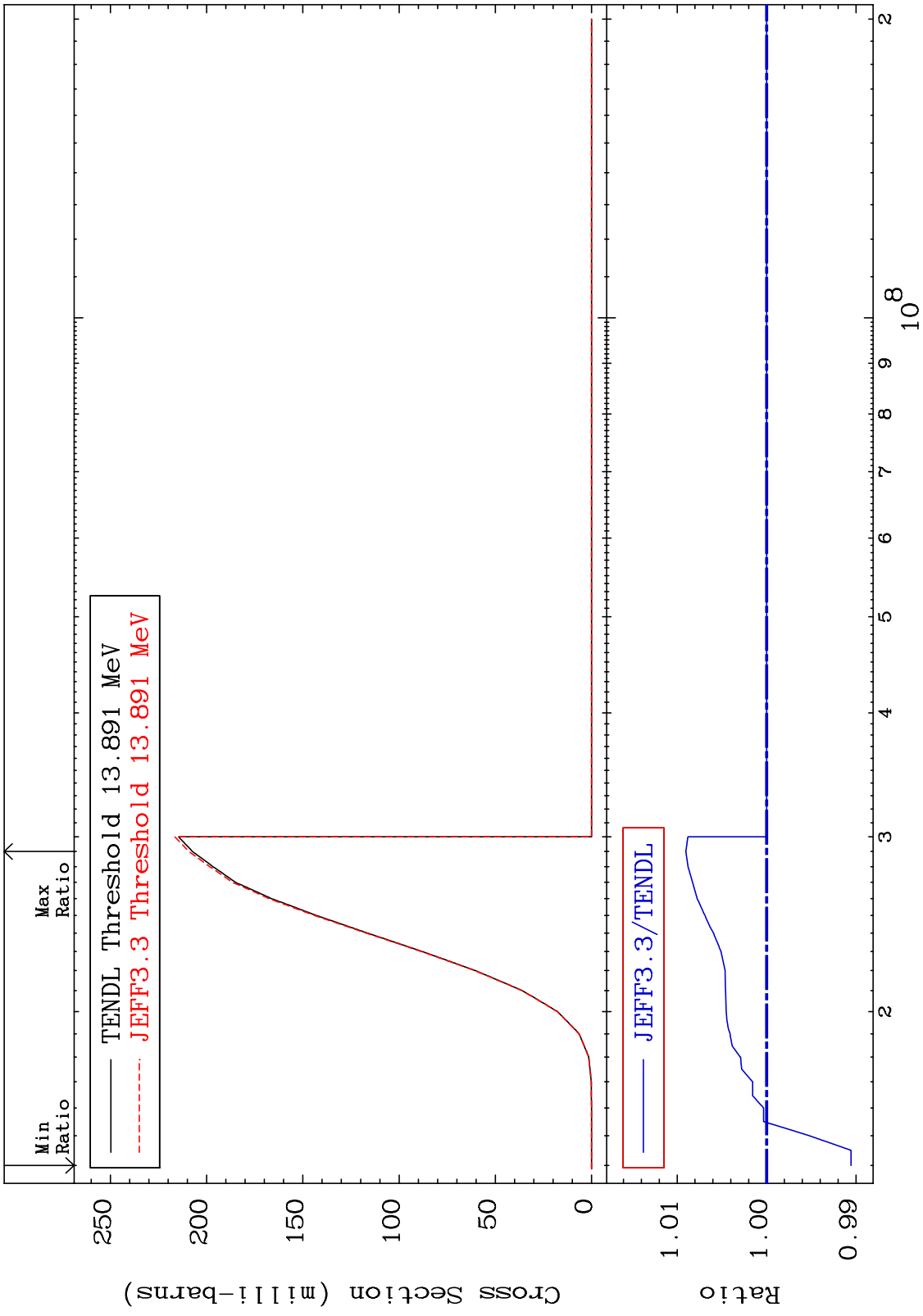
22-Ti-44

Incident Energy (eV)

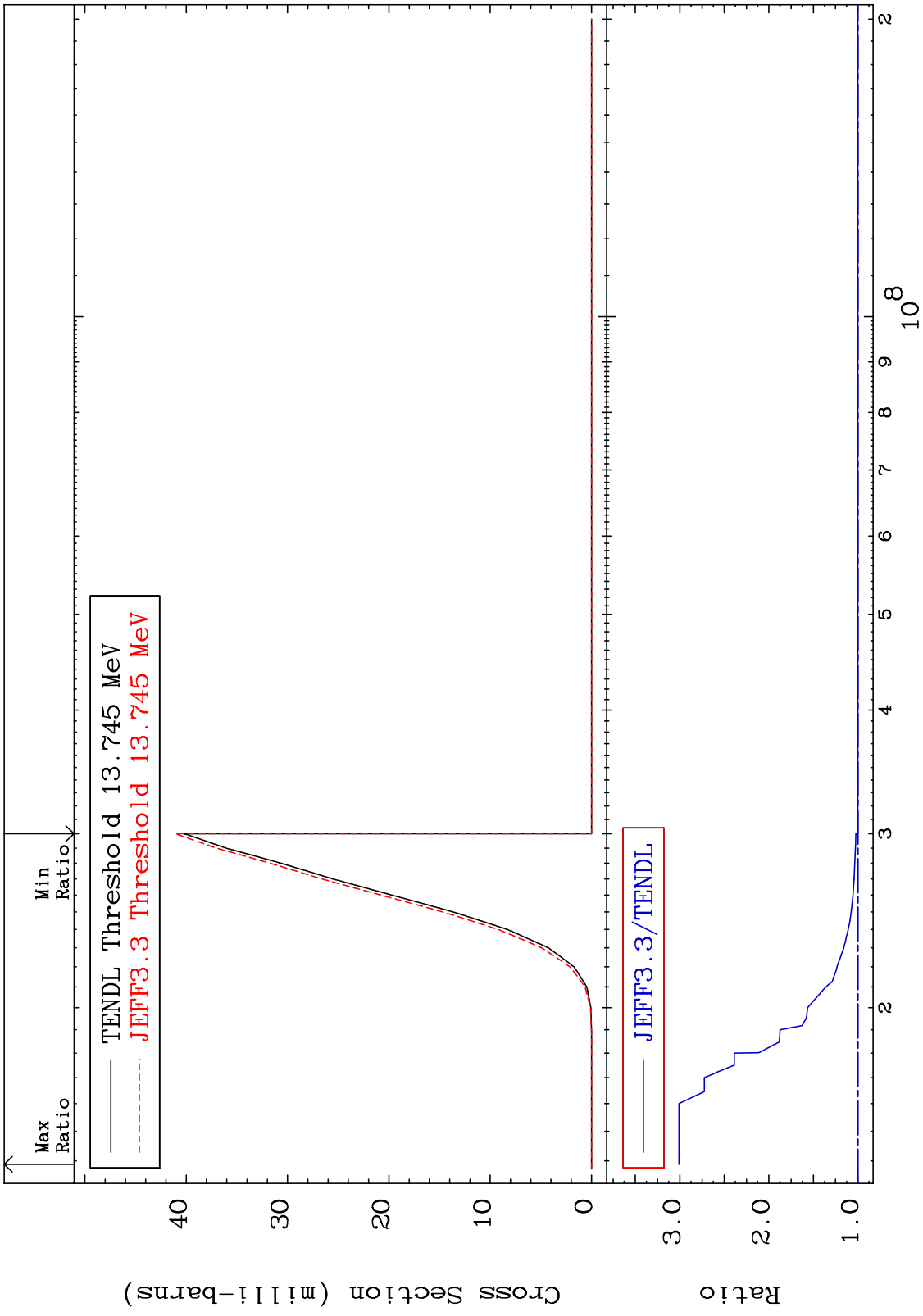
MAT 2219 (n,2n) p 22-Ti-44
 Cross Section 0.000 To 0.933 %



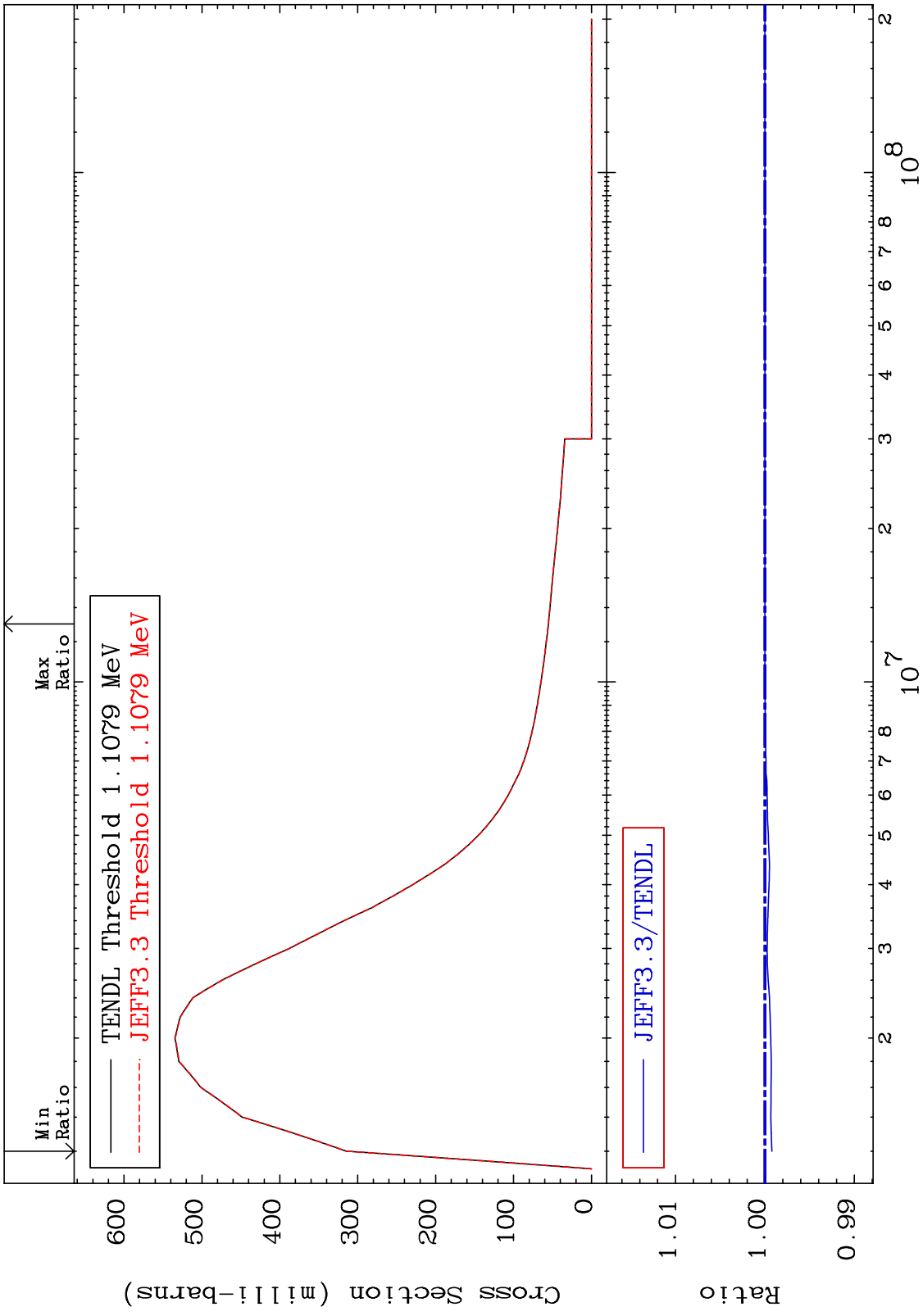
MAT 2219 $(n, 2n)$ p $^{22}\text{Ti}-44$
 Cross Section -0.945 To 0.903 %



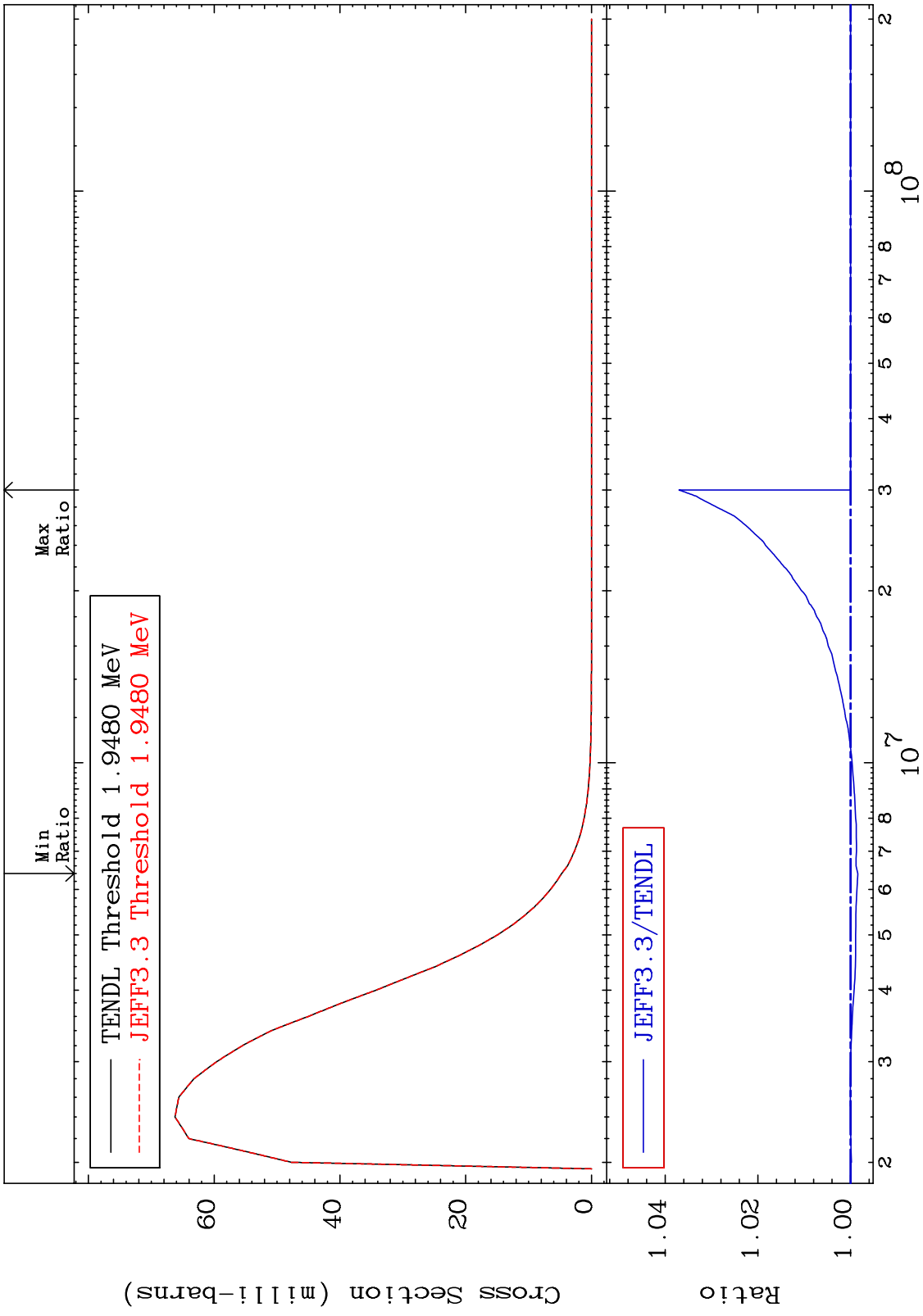
MAT 2219 (n,n') p α 22-Ti-44
 Cross Section 0.000 To 200.9 %



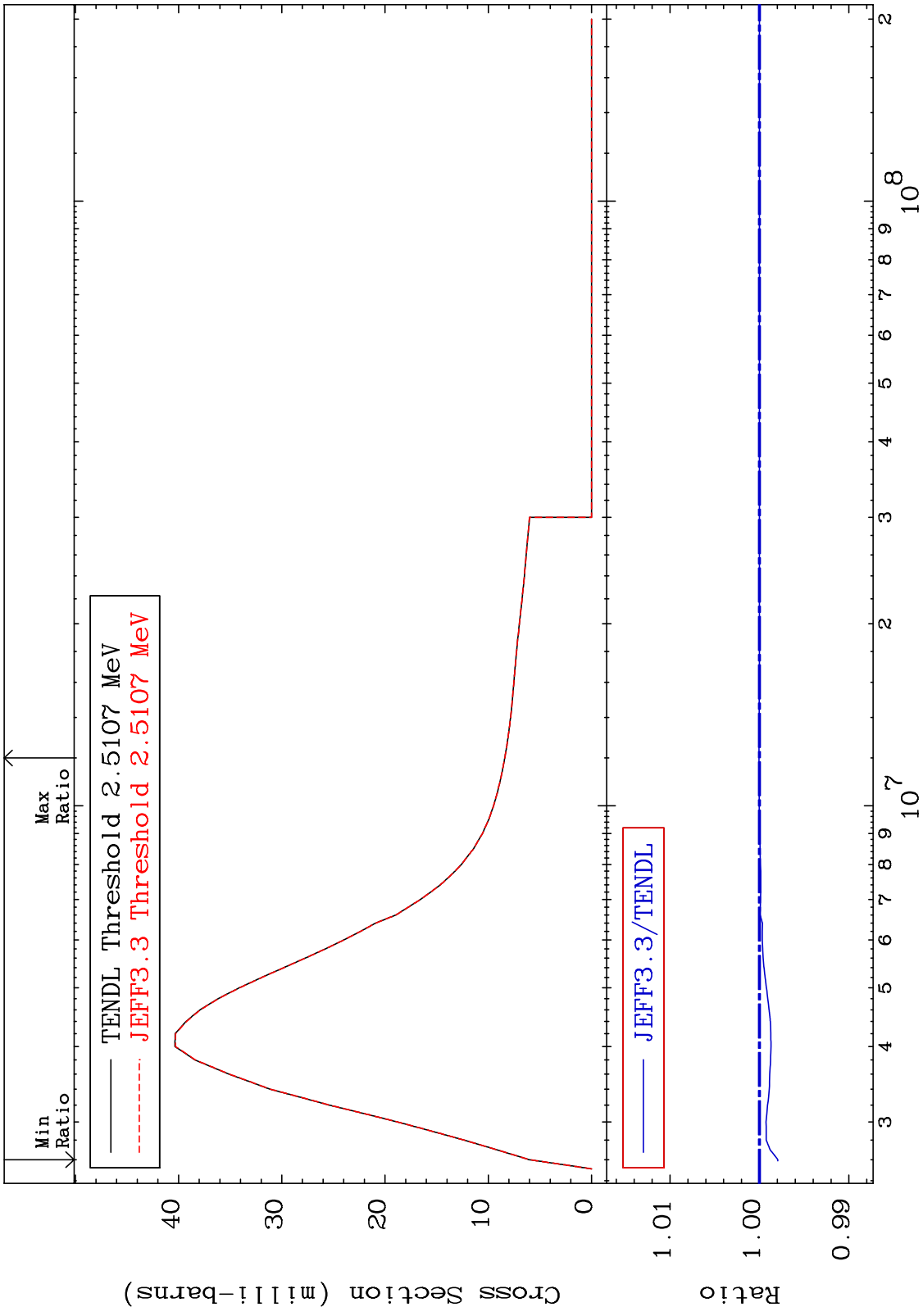
MAT 2219 MT= 51 (n,n') Level Cross Section -0.078 To 0.000 % 22-Ti-44



MAT 2219 MT= 52 (n,n') Level Cross Section -0.156 To 3.702 % 22-Ti-44



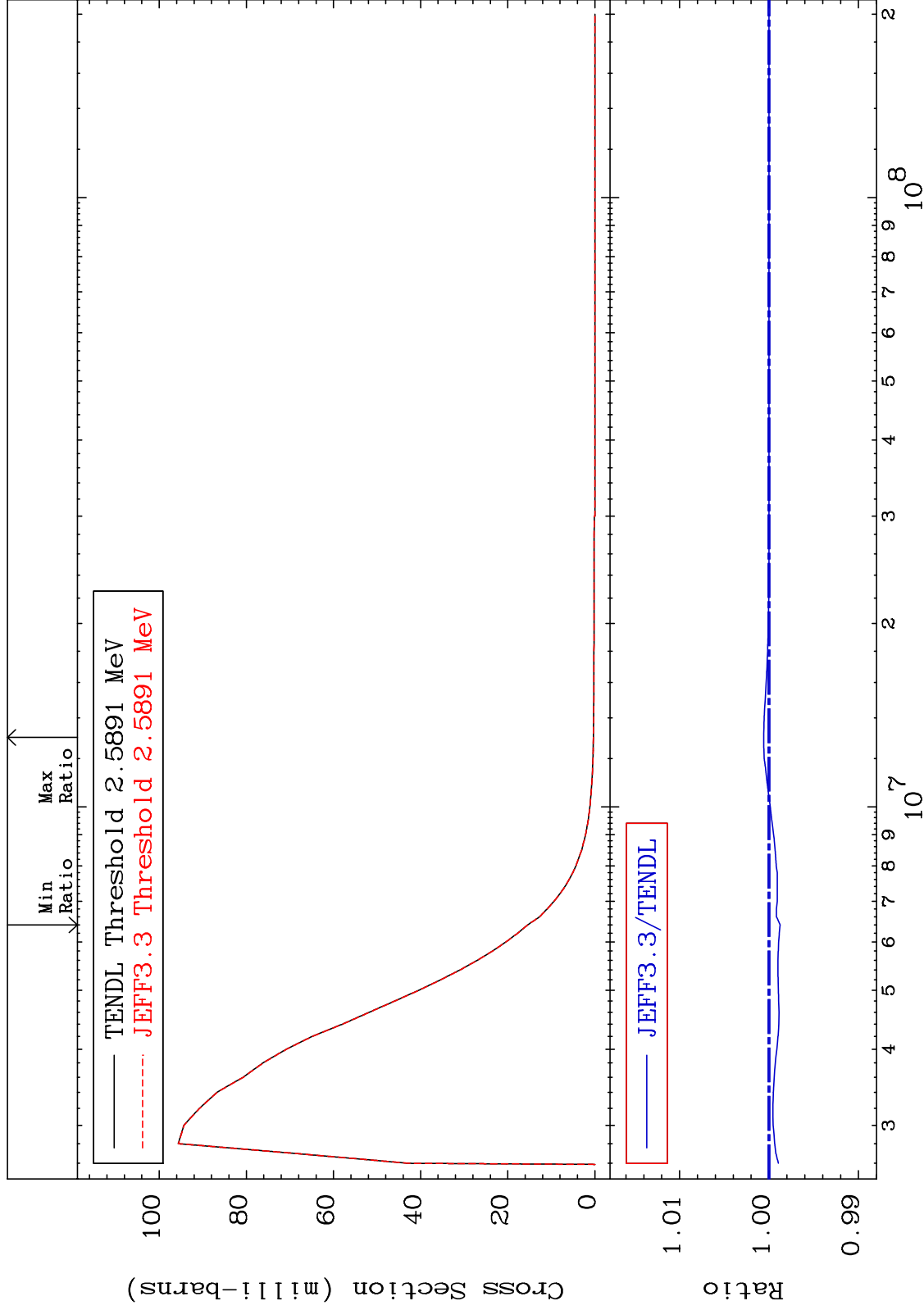
MAT 2219 MT= 53 (n,n') Level Cross Section -0.205 To 0.005 % 22-Ti-44



MAT 2219

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

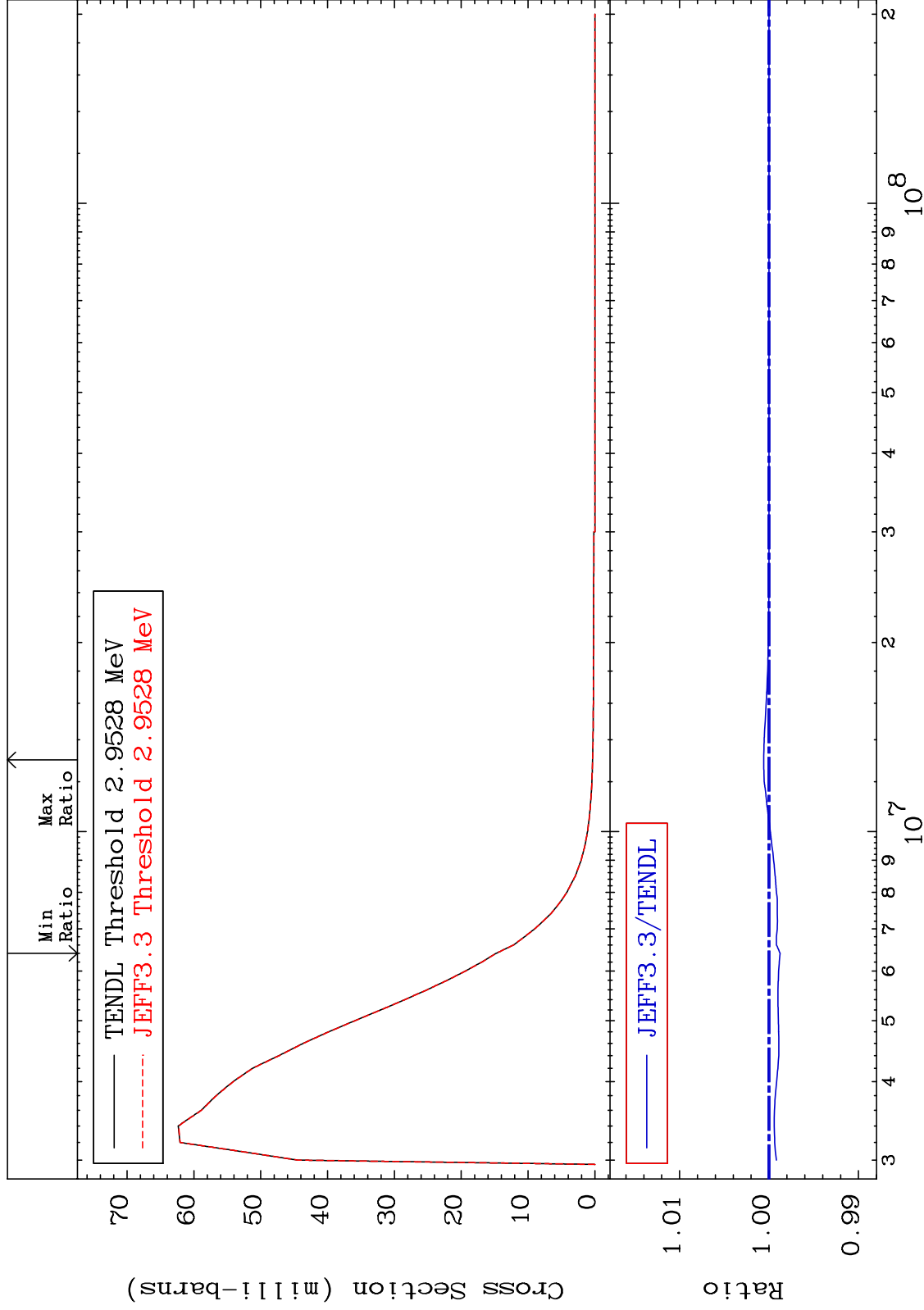
22-Ti-44
-0.123 To 0.059 %



MAT 2219

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

22-Ti-44
-0.123 To 0.059 %

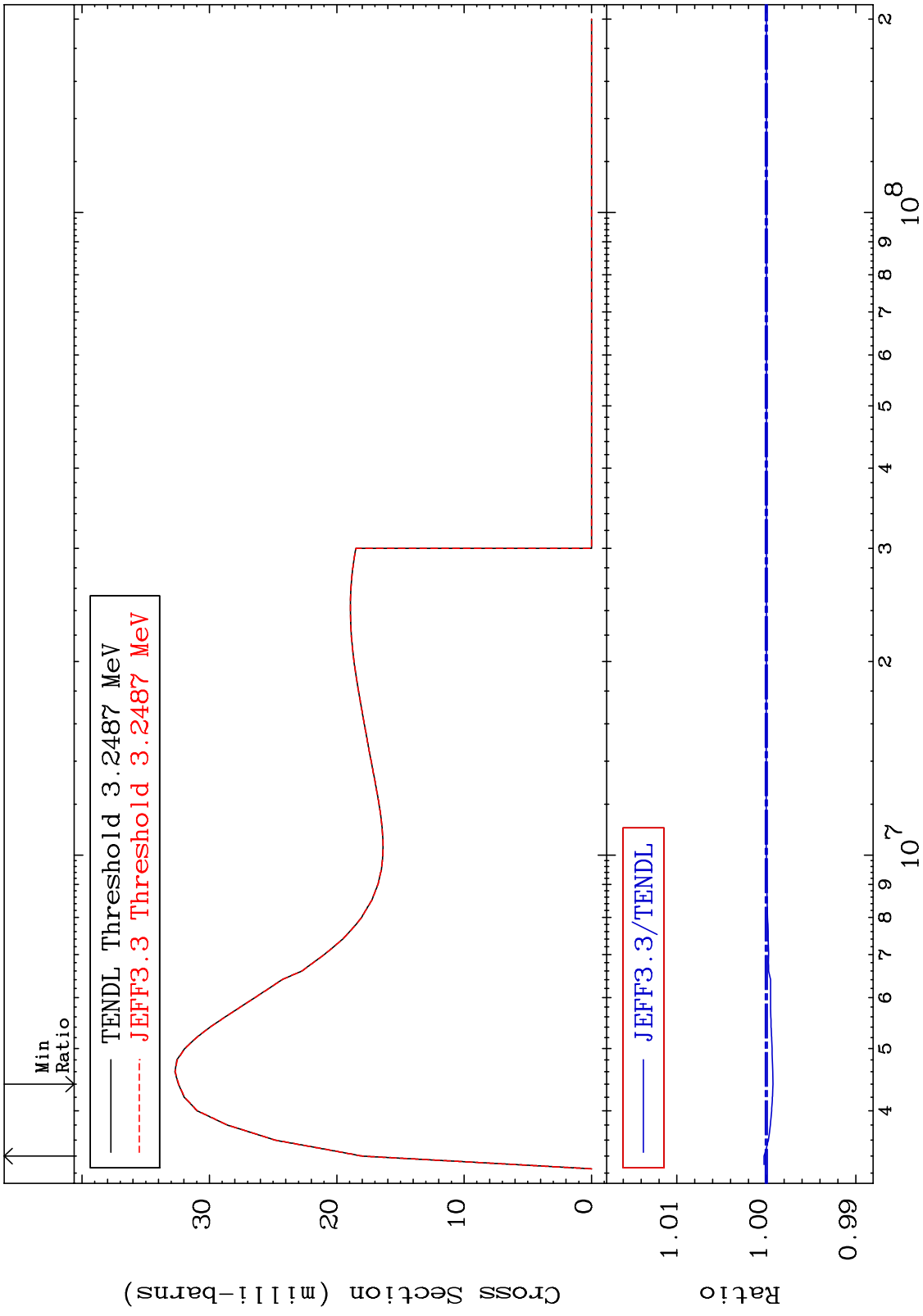


20

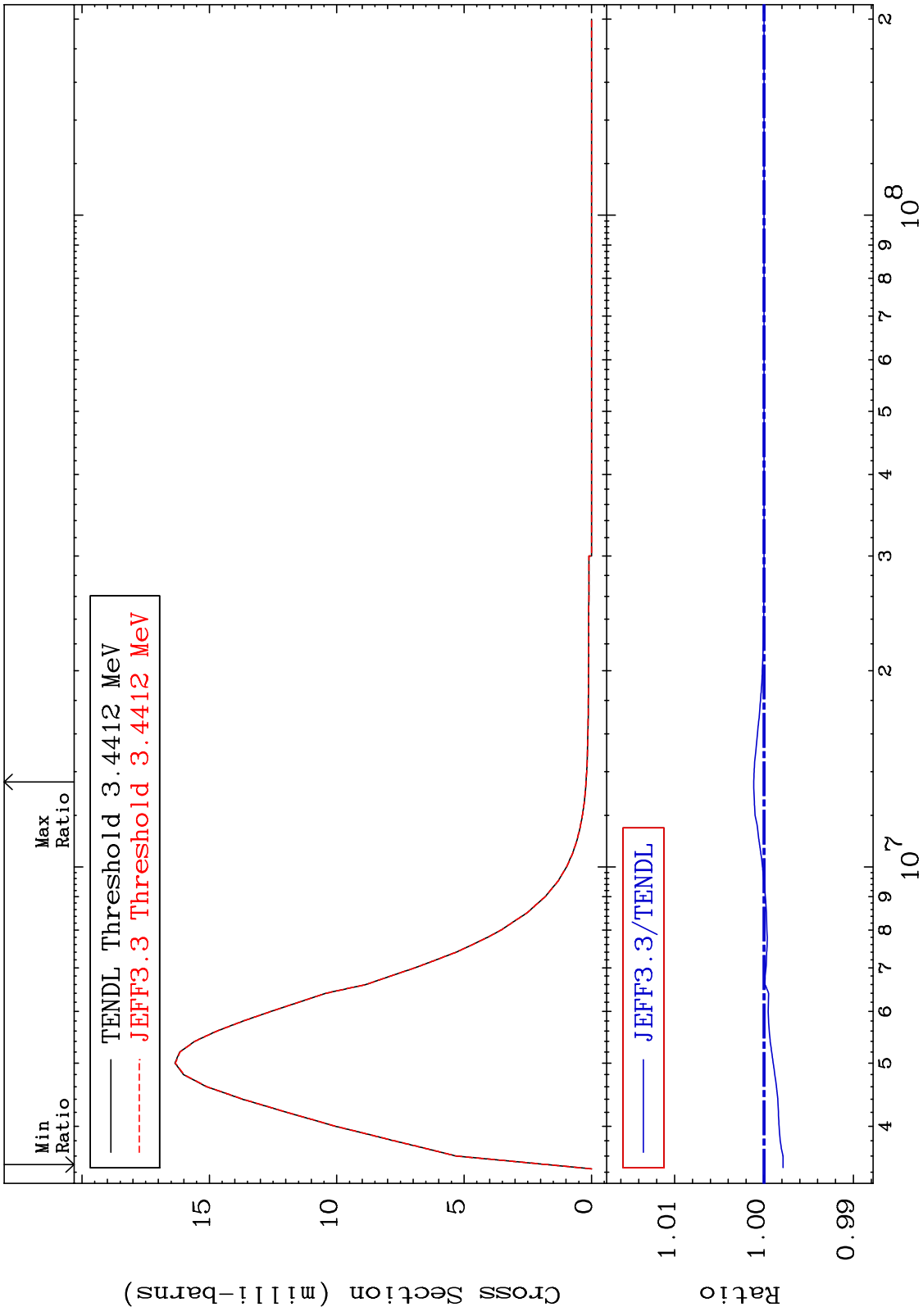
22-Ti-44

22-Ti-44

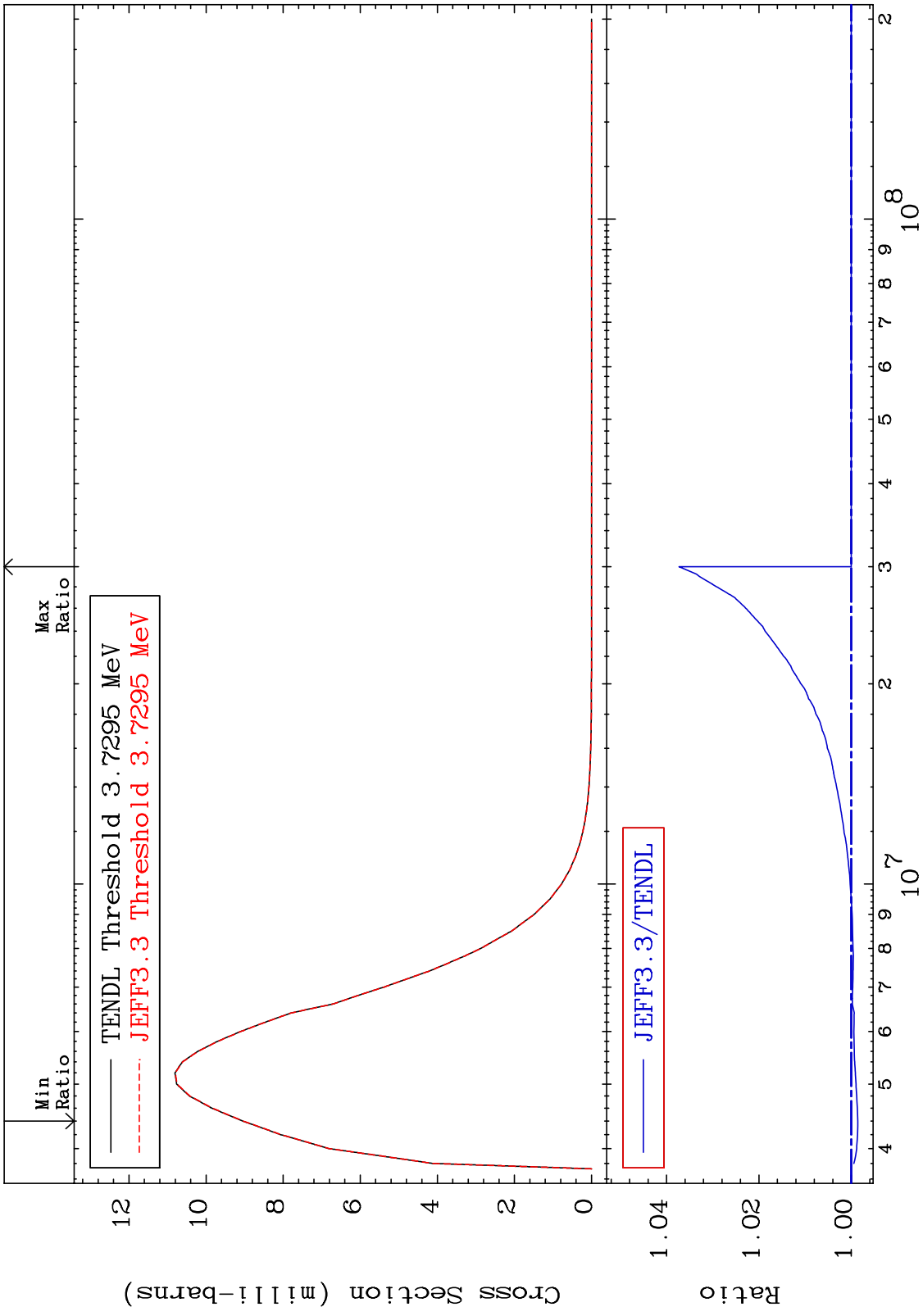
MAT 2219 MT= 56 (n,n') Level Cross Section -0.074 To 0.026 % 22-Ti-44



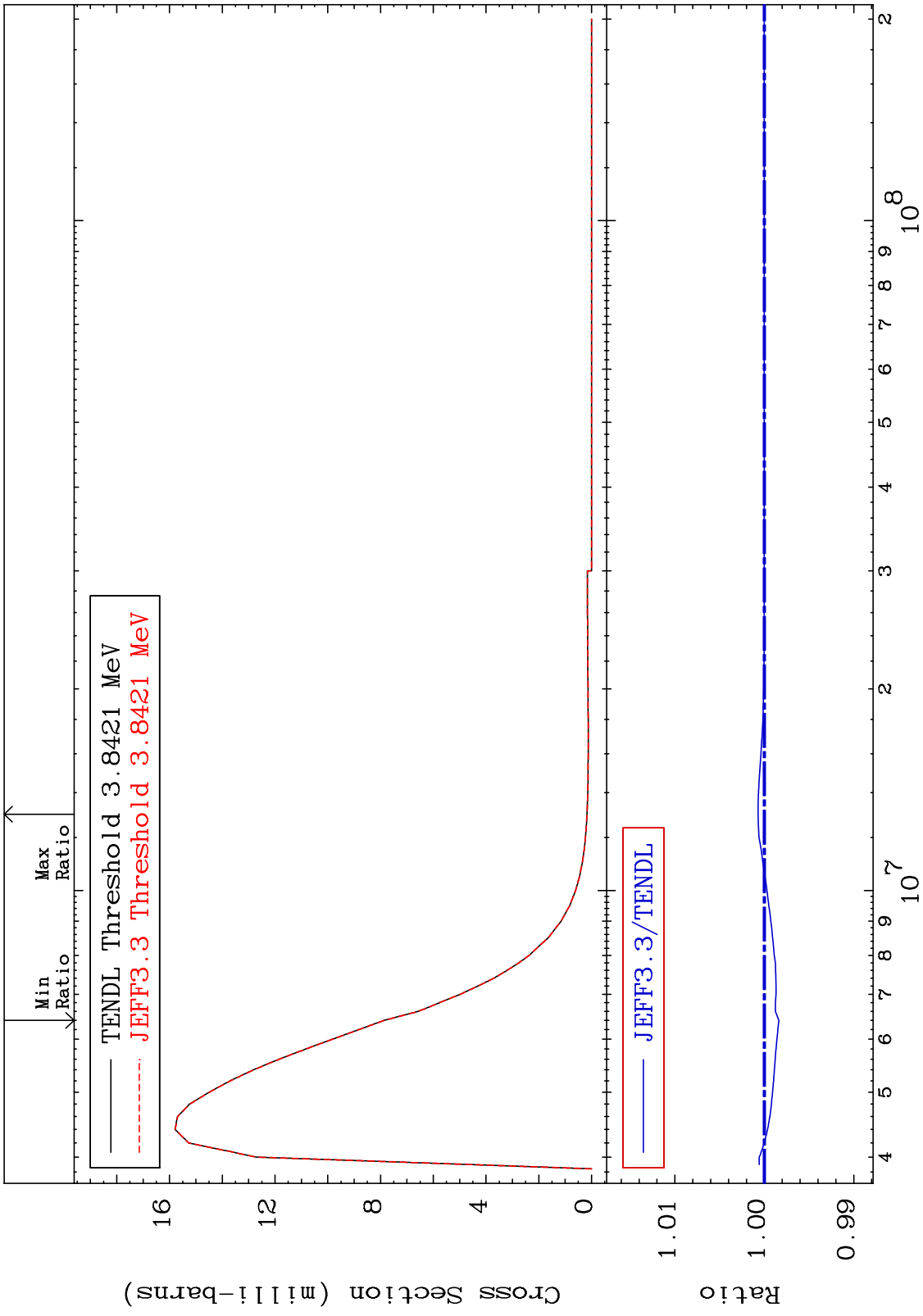
MAT 2219 MT= 57 (n,n') Level Cross Section -0.214 To 0.115 % 22-Ti-44



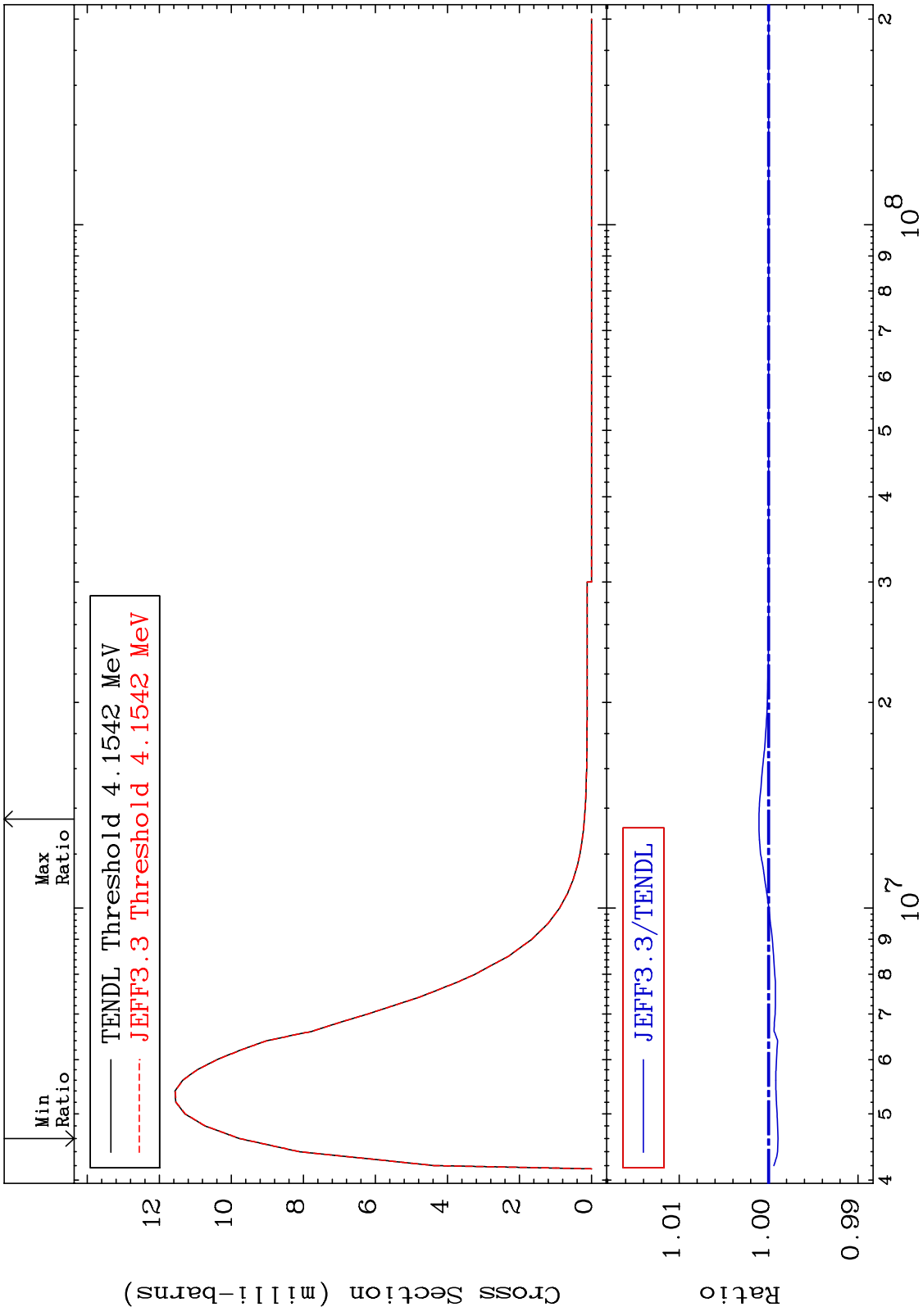
MAT 2219 MT= 59 (n,n') Level Cross Section -0.141 To 3.730 % 22-Ti-44



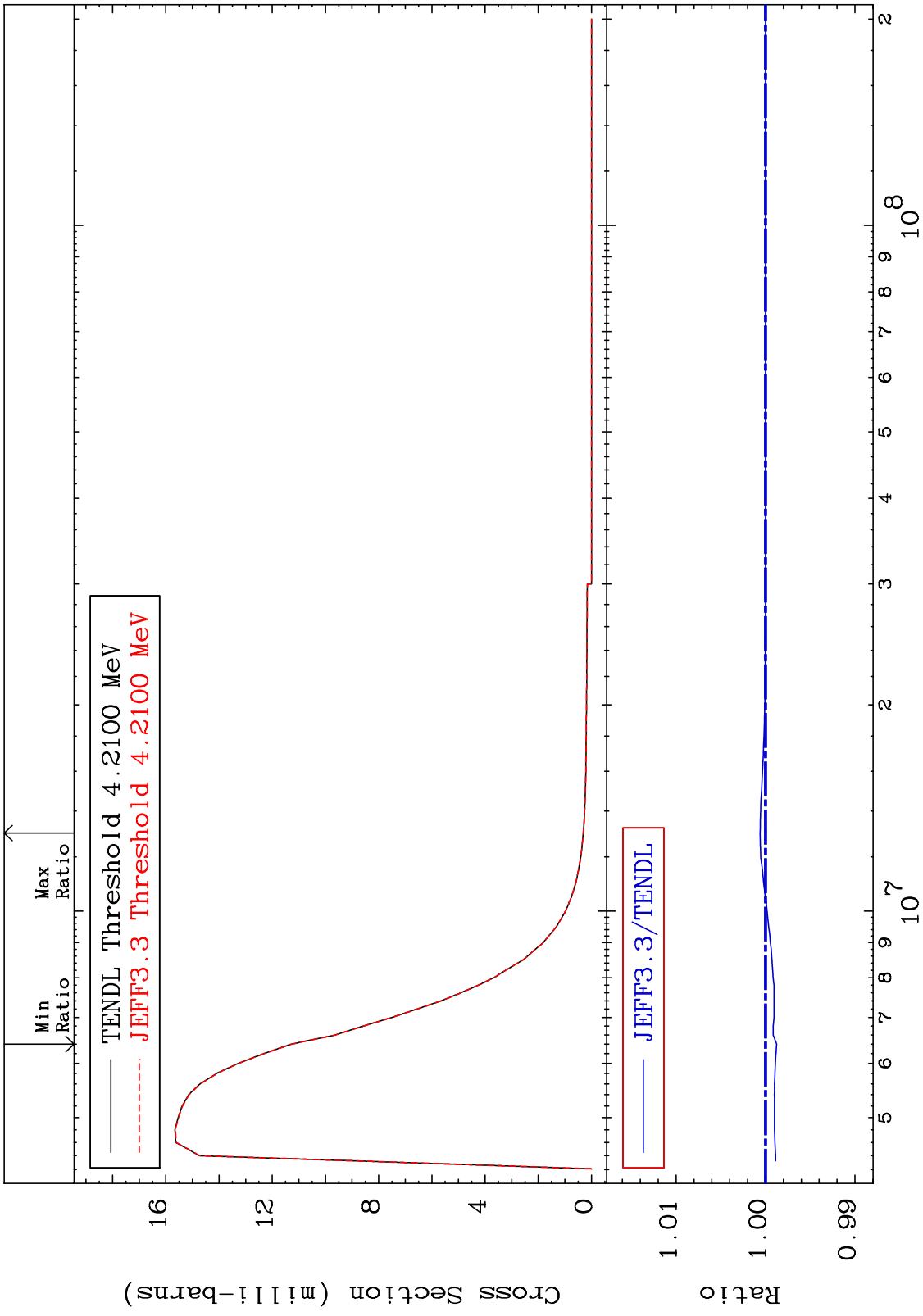
MAT 2219 MT= 60 (n,n') Level 22-Ti-44
 Cross Section -0.162 To 0.070 %



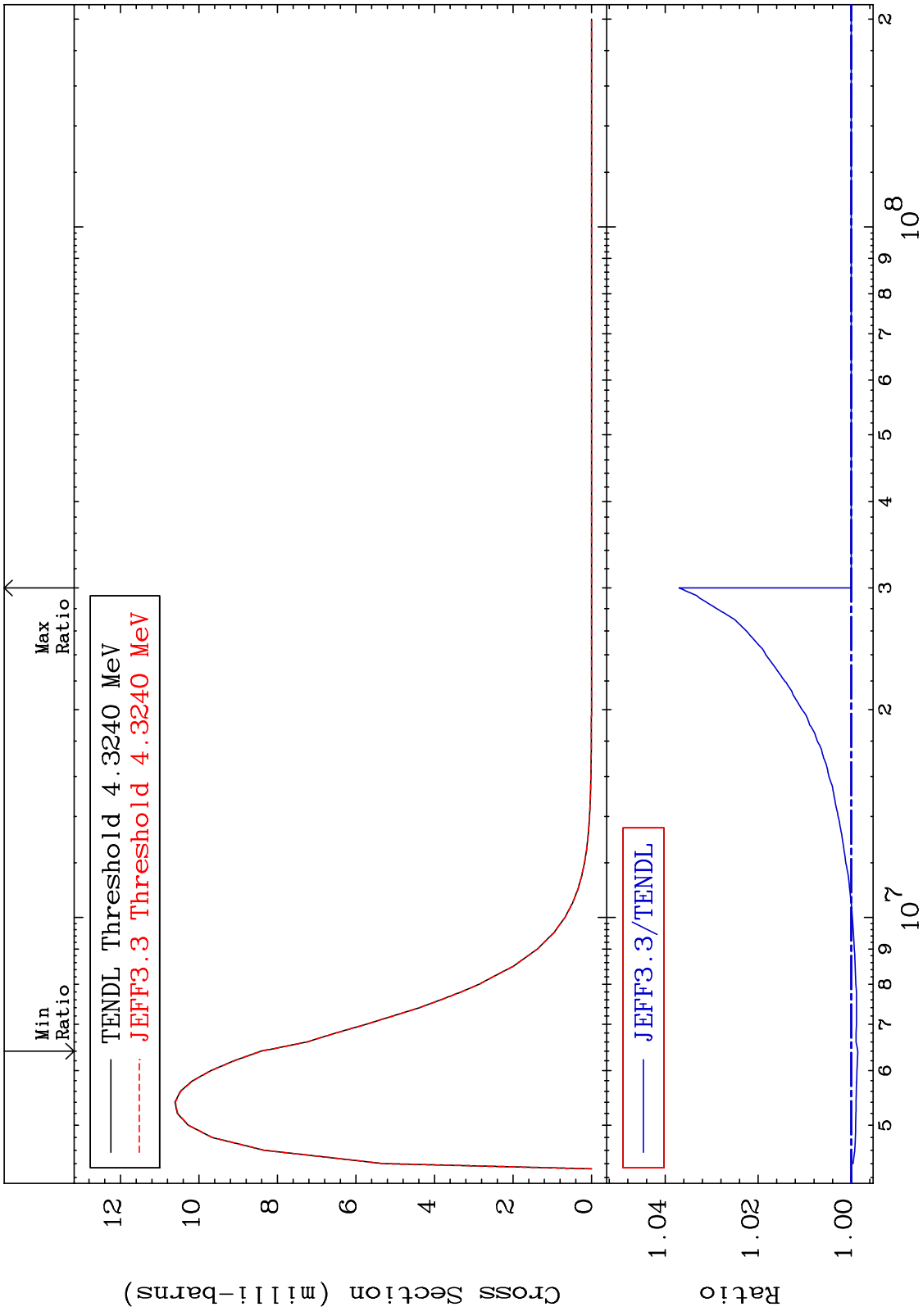
MAT 2219 MT= 64 (n,n') Level 22-Ti-44
 Cross Section -0.105 To 0.110 %



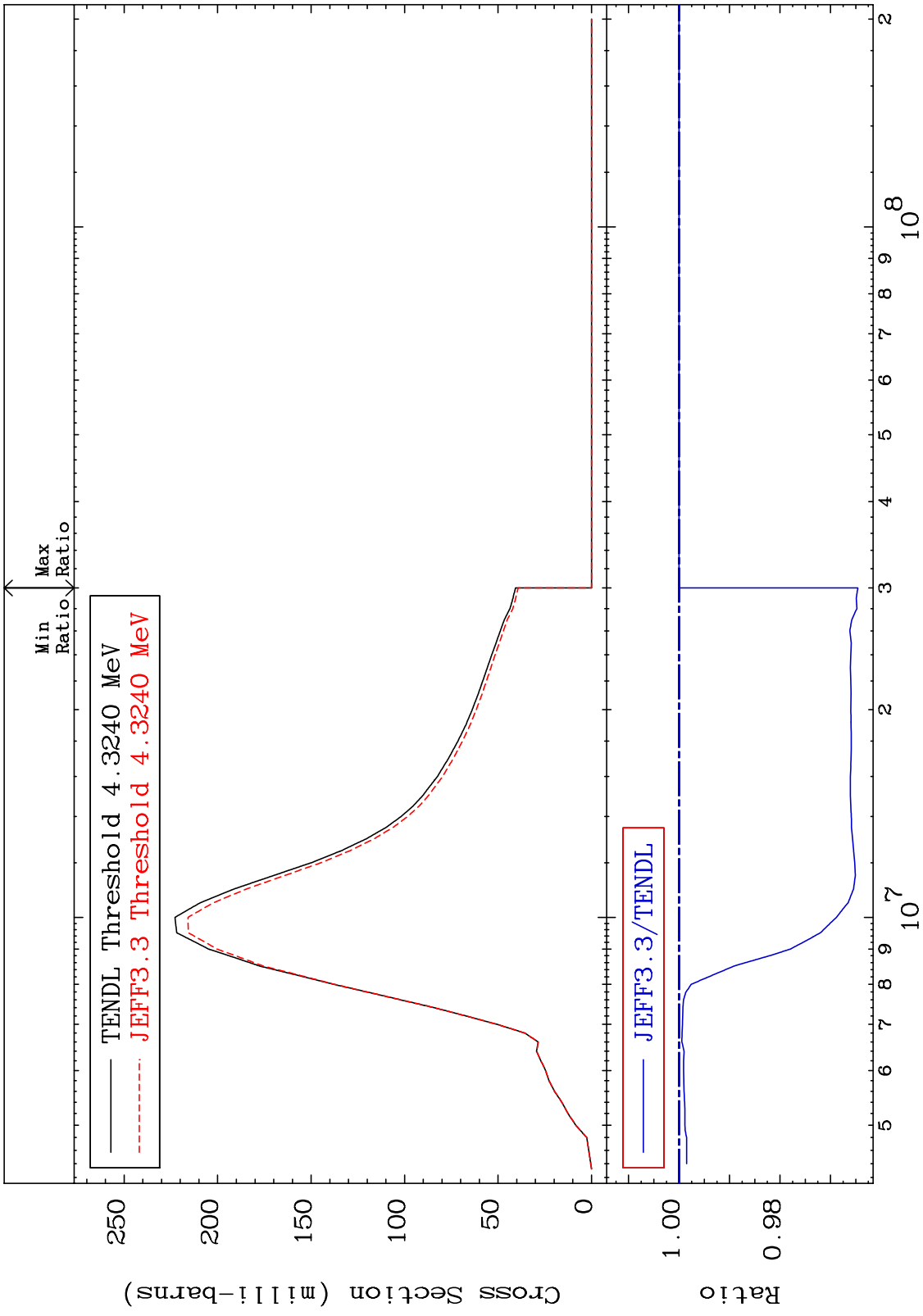
MAT 2219 MT= 65 (n,n') Level Cross Section -0.125 To 0.060 % 22-Ti-44



MAT 2219 MT= 66 (n,n') Level Cross Section -0.143 To 3.701 % 22-Ti-44



MAT 2219 (n, n') Continuum Cross Section -3.542 To 0.000 % 22-Ti-44



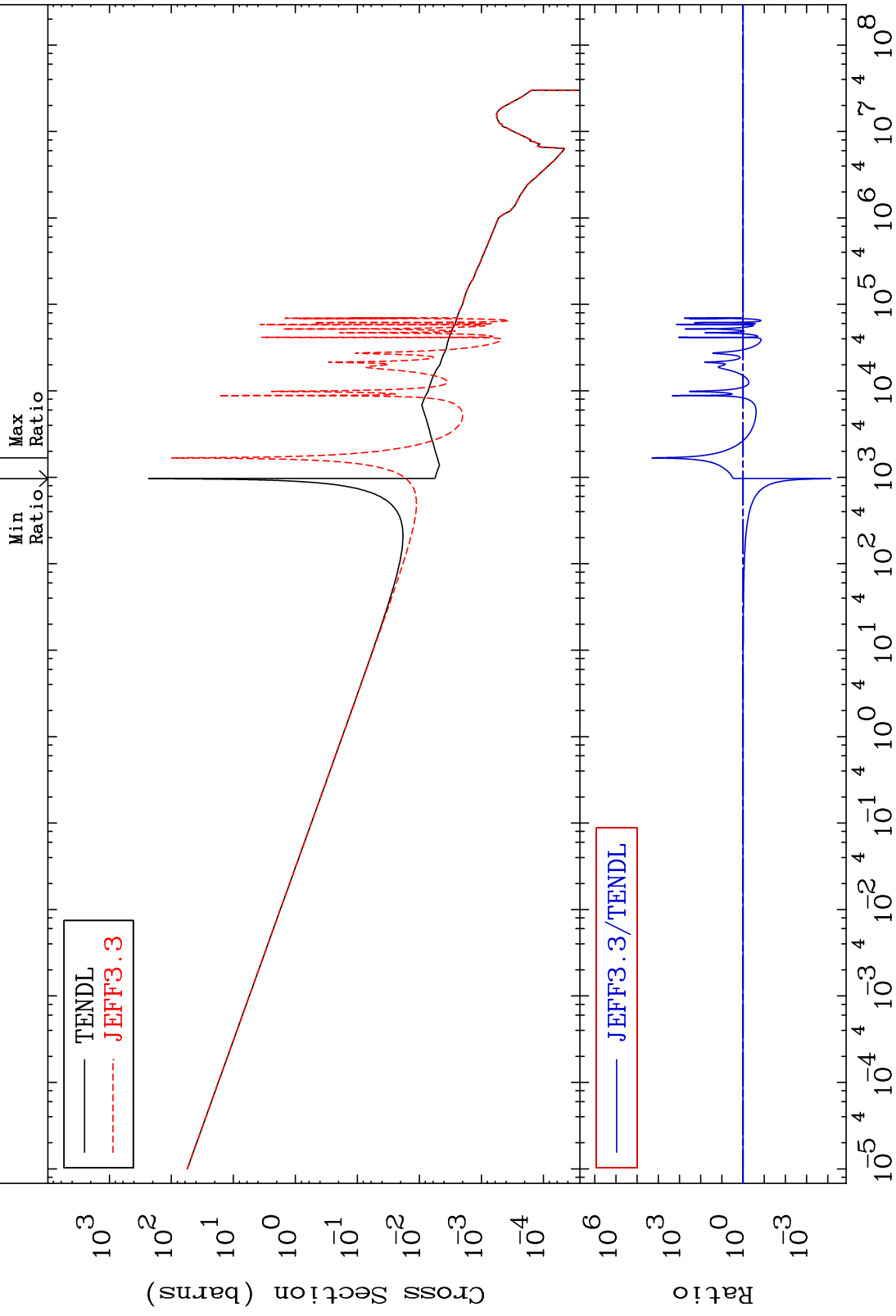
MAT 2219

(n, γ)

22-Ti-44

-99.99 To 9999. %

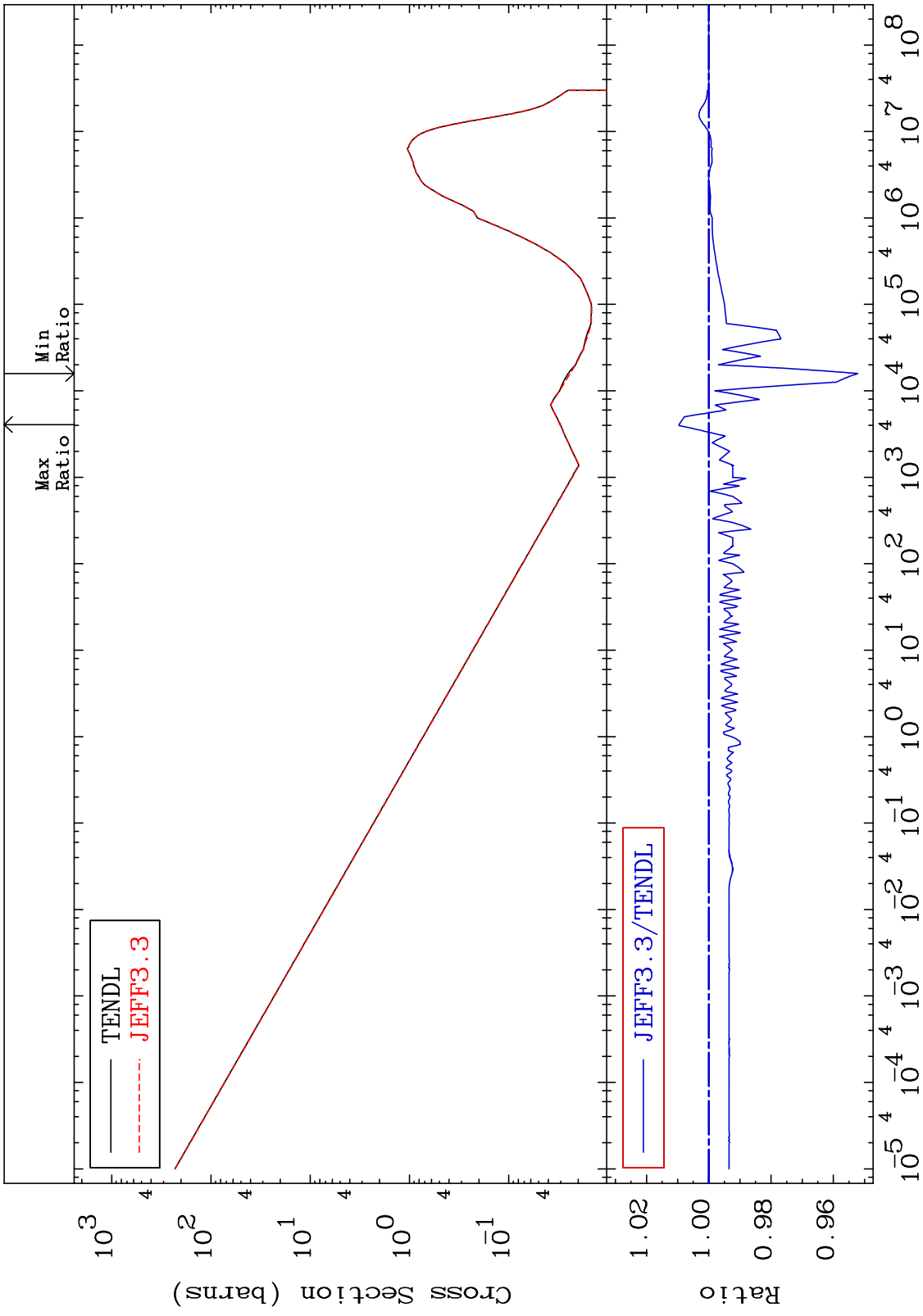
Cross Section



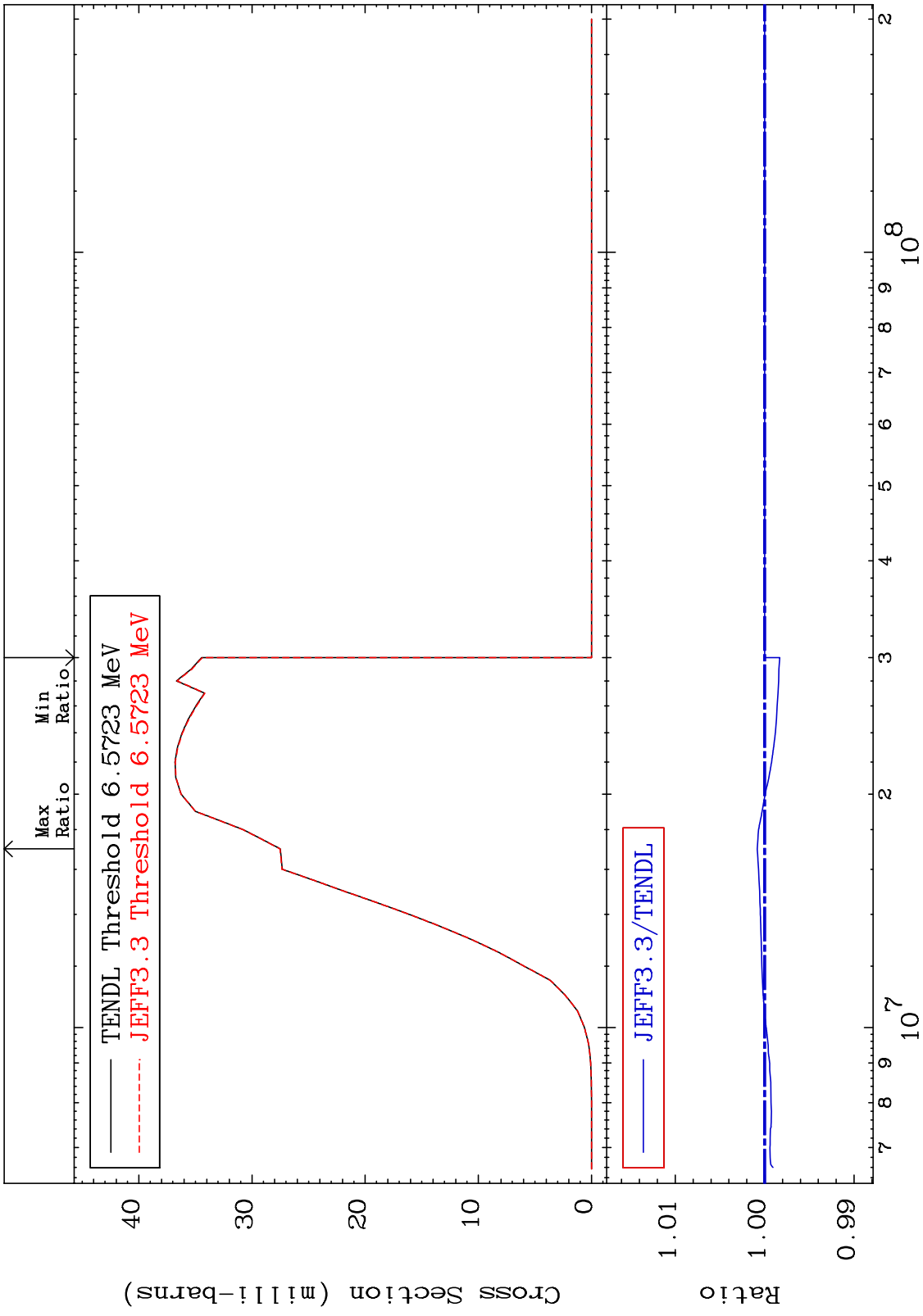
Incident Energy (eV)

22-Ti-44

MAT 2219 (n,p) Cross Section 22-Ti-44
 -4.785 To 0.956 %

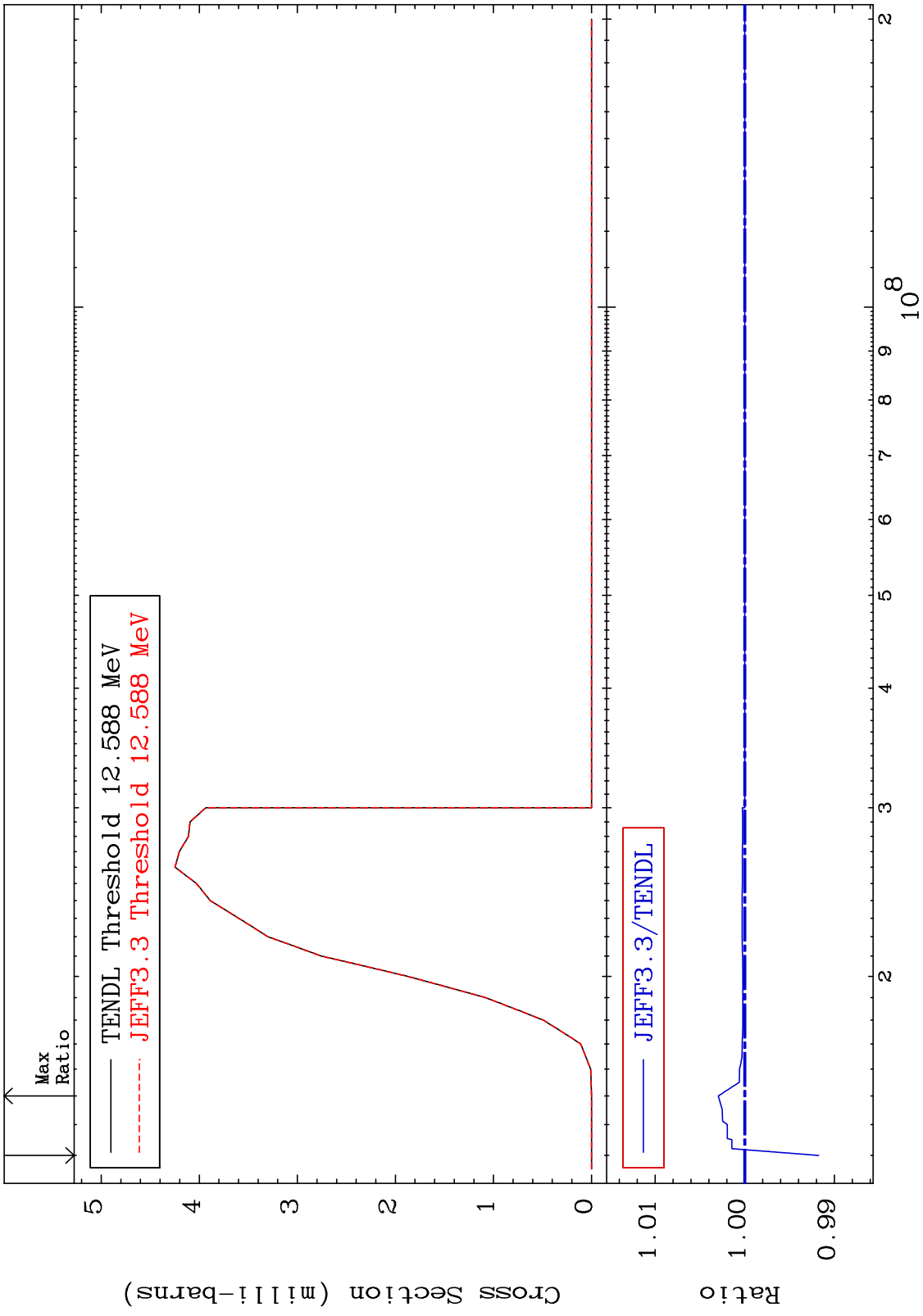


MAT 2219 (n,d) Cross Section 22-Ti-44 -0.168 To 0.084 %



35 22-Ti-44 Incident Energy (eV)

MAT 2219 (n,t) 22-Ti-44
 Cross Section -0.823 To 0.296 %



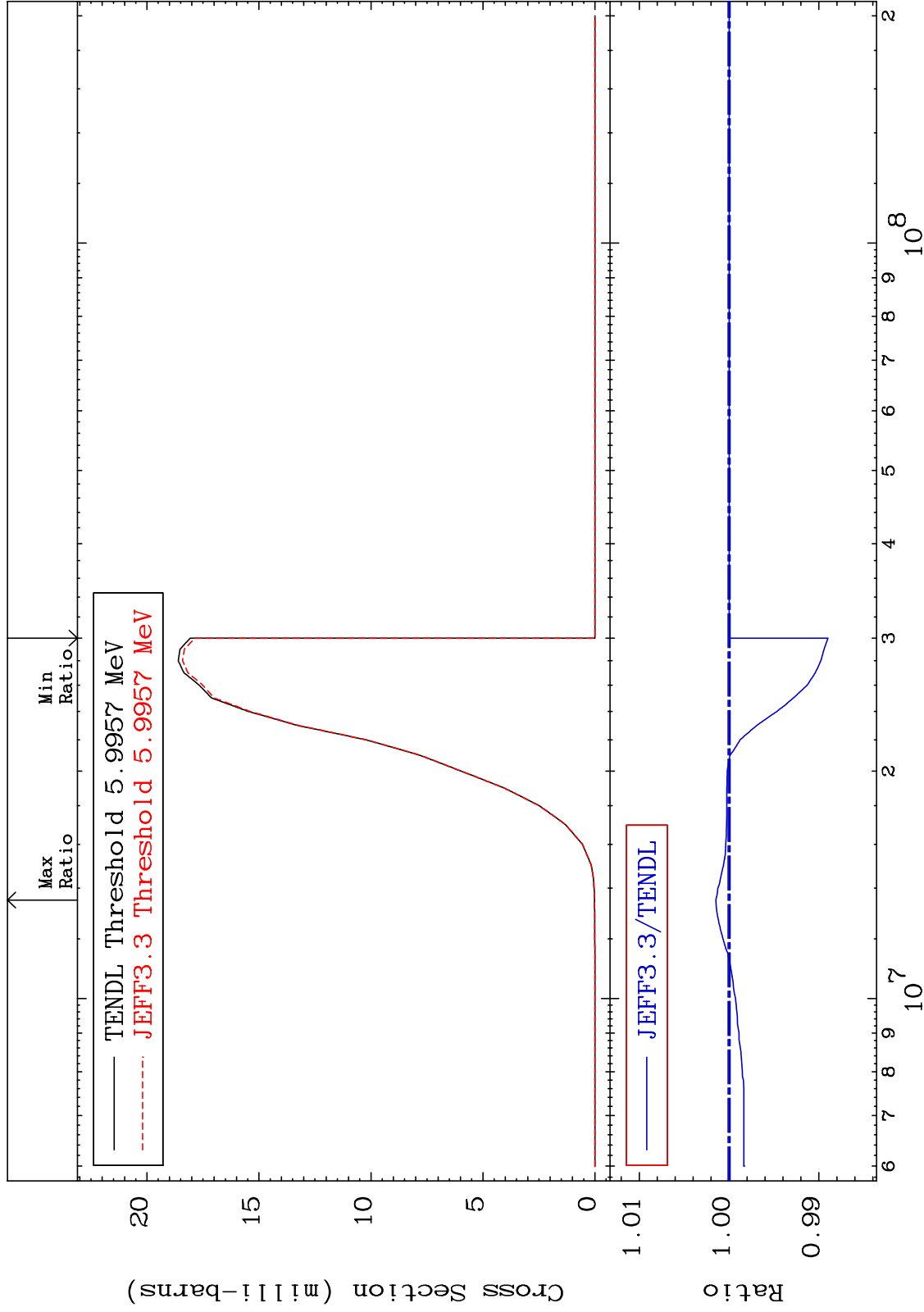
MAT 2219

(n, He-3)

²²Ti-44

Cross Section

-1.100 To 0.148 %

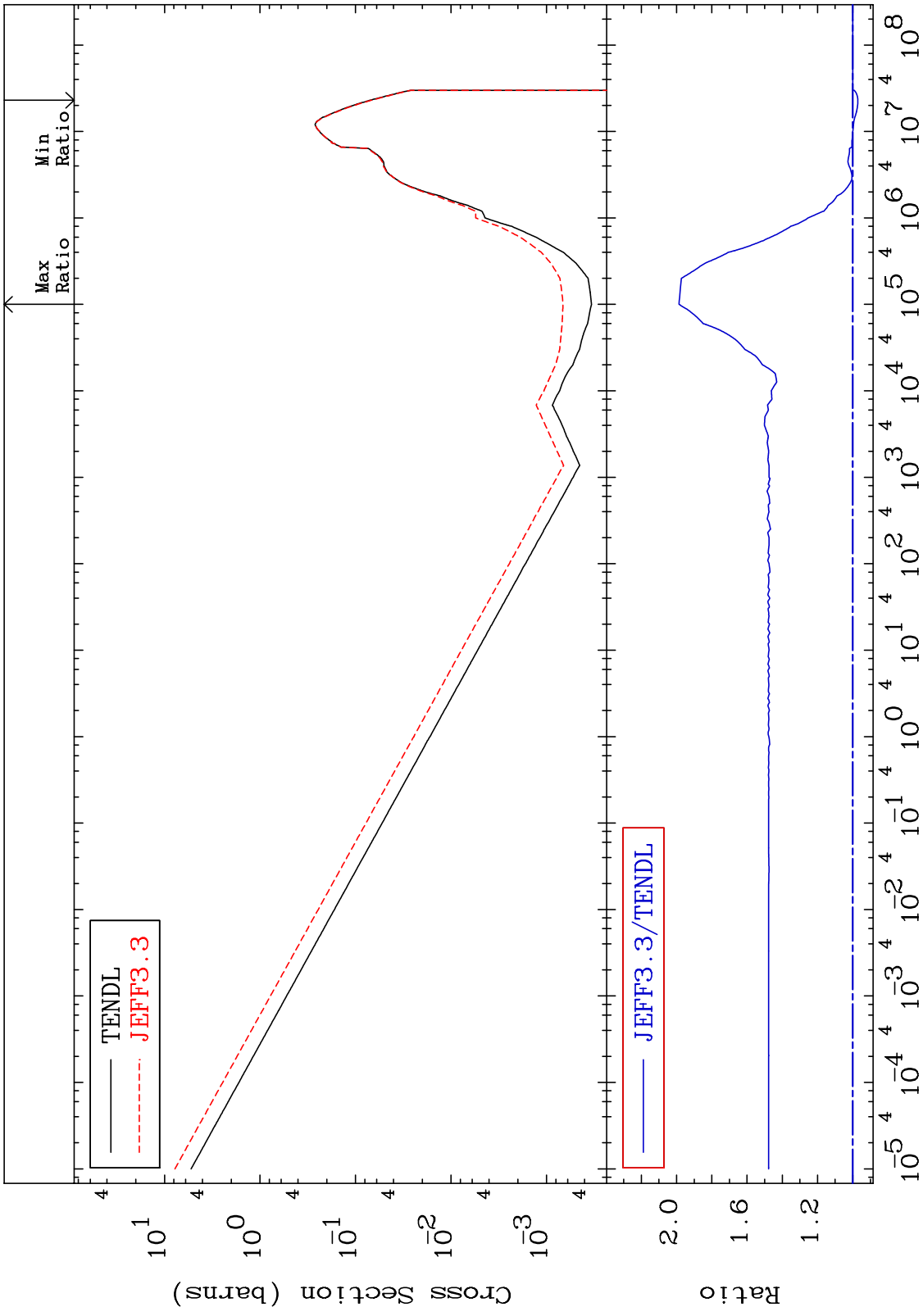


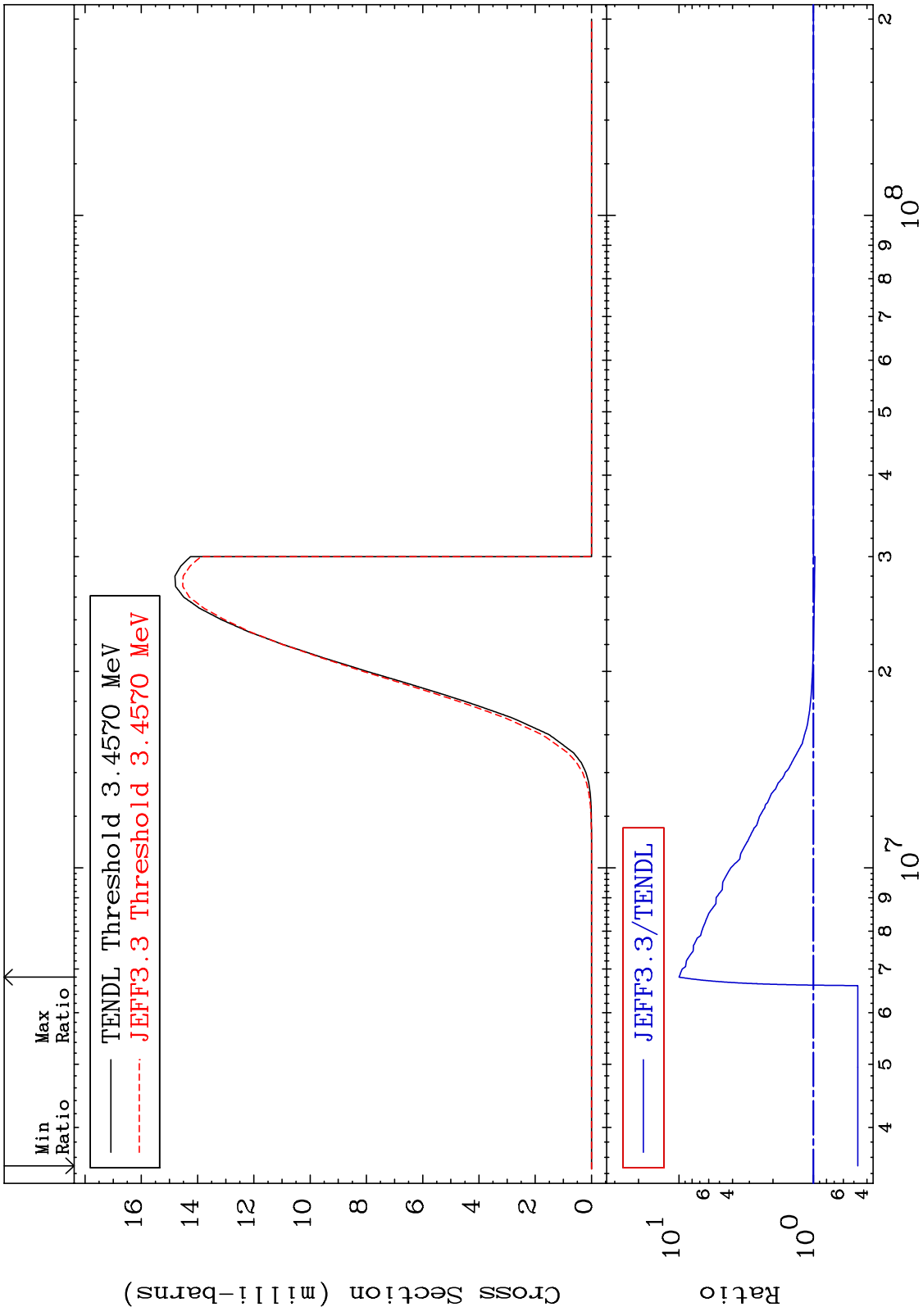
37

Incident Energy (eV)

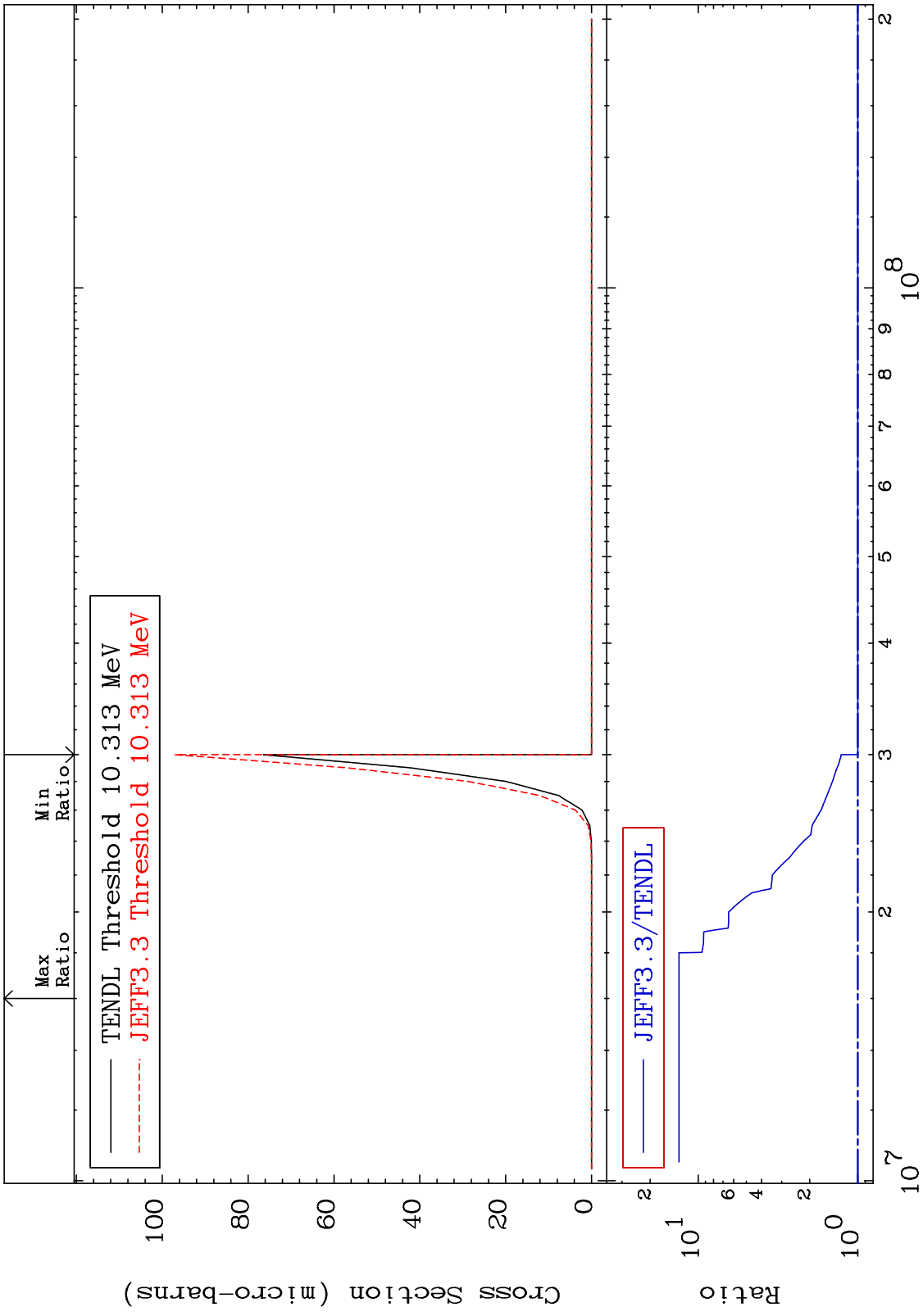
²²Ti-44

MAT 2219 (n, α) Cross Section $^{22}\text{Ti-44}$
 -2.882 To 98.61 %



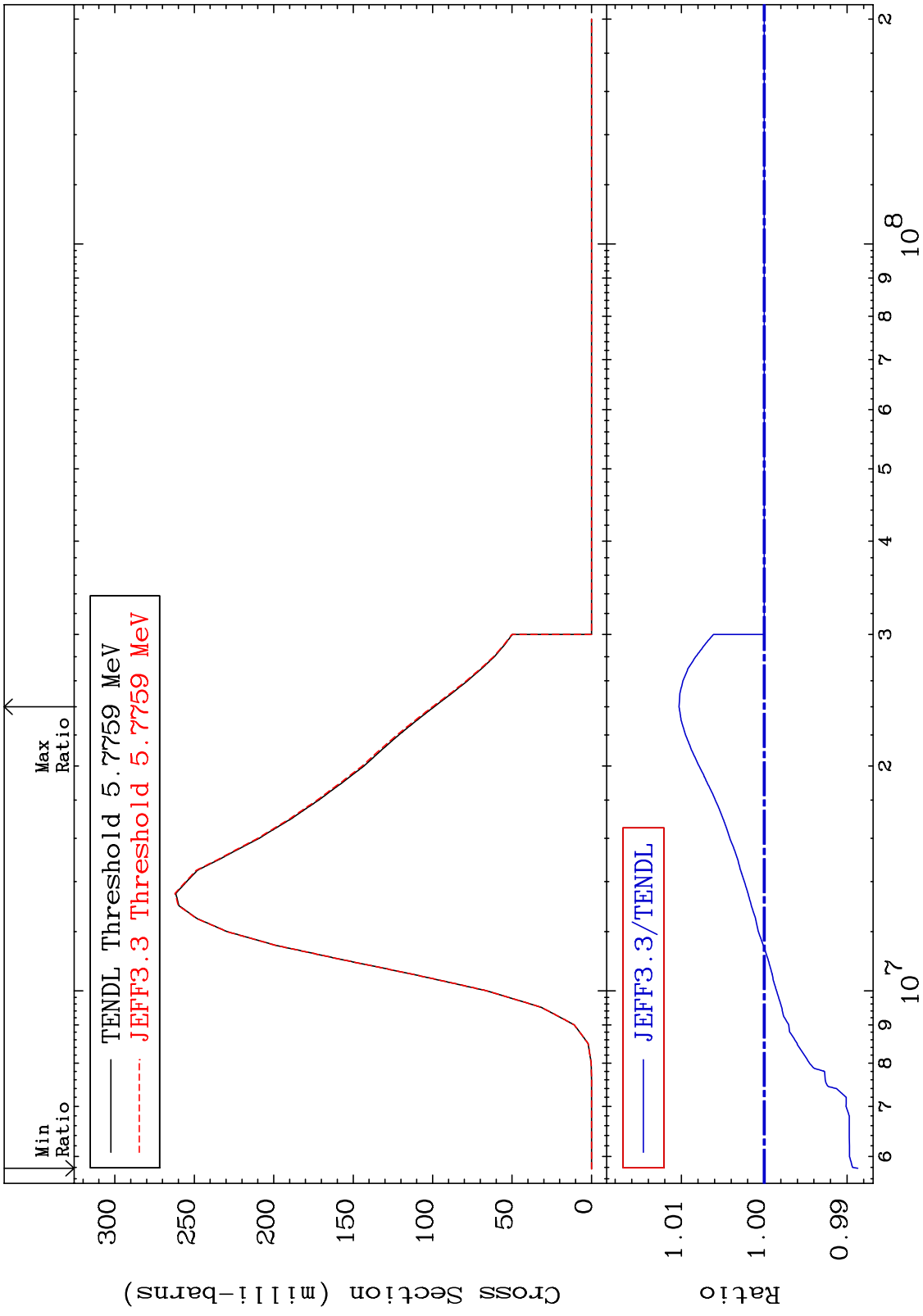


MAT 2219 $(n, 3\alpha)$ Cross Section 22-Ti-44 To 1217. %

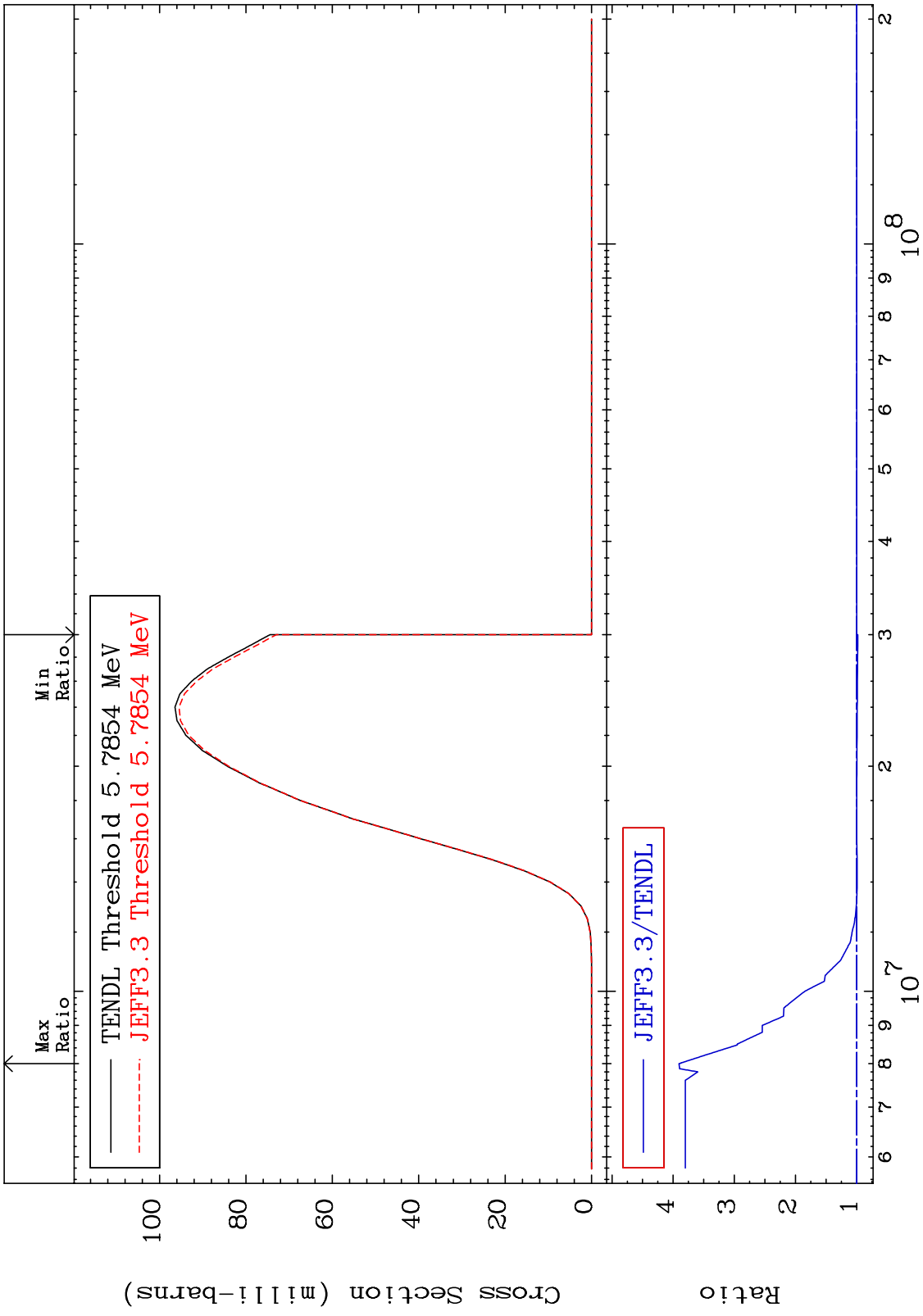


22-Ti-44

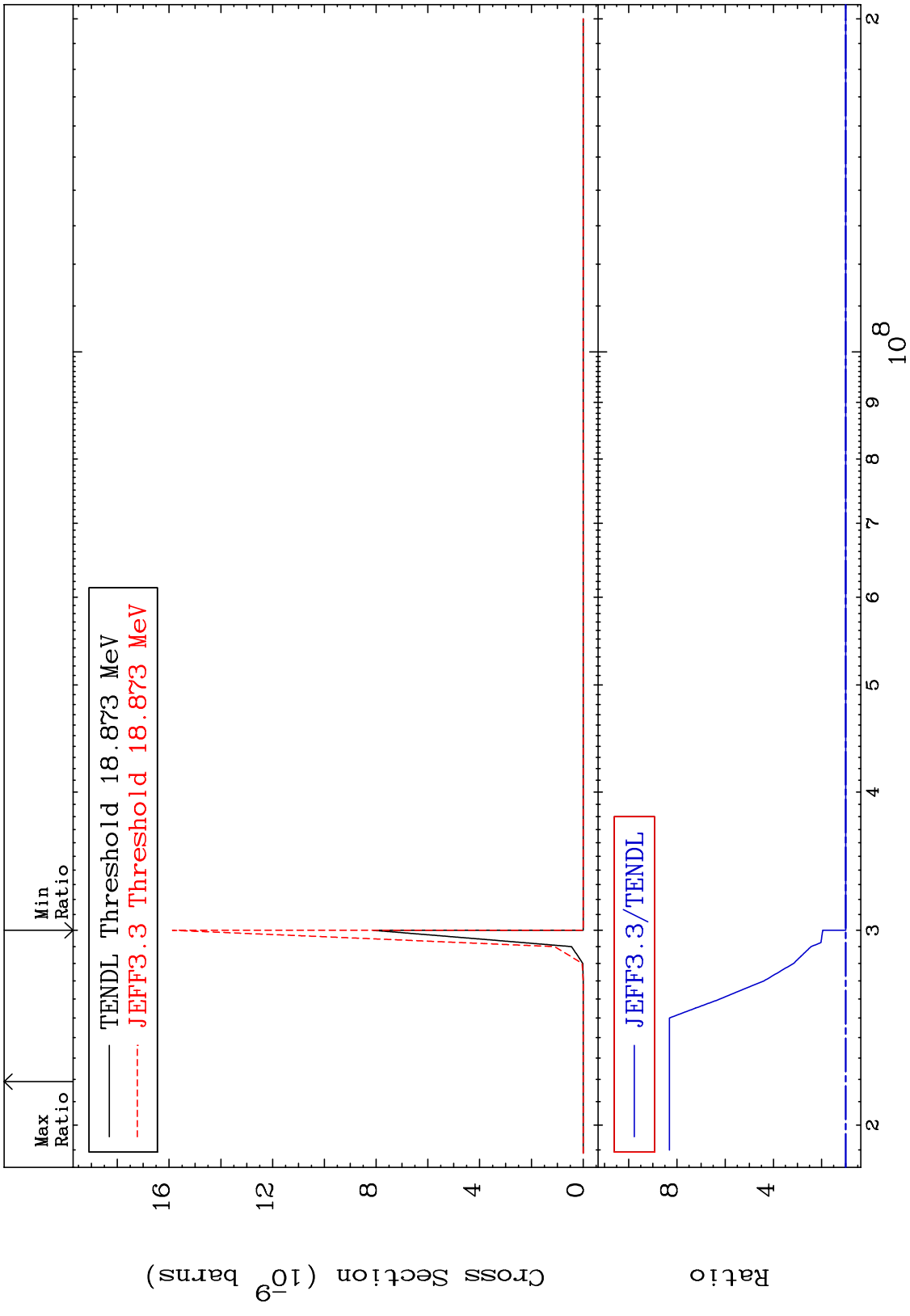
MAT 2219 22-Ti-44
-1.130 To 1.029 %
(n,2p)
Cross Section



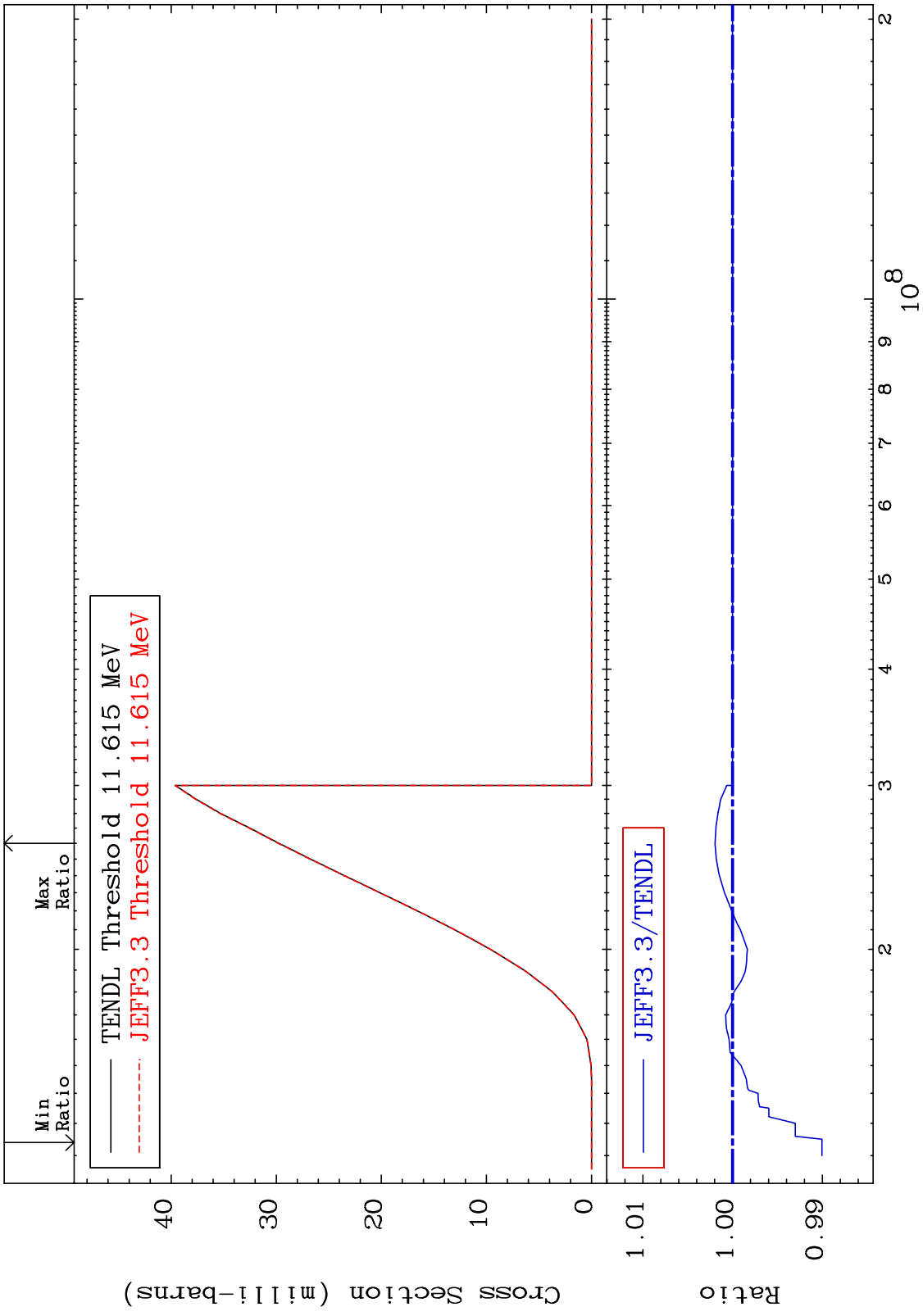
MAT 2219 $(n, p) \alpha$ 22-Ti-44
 Cross Section -1.963 To 290.4 %



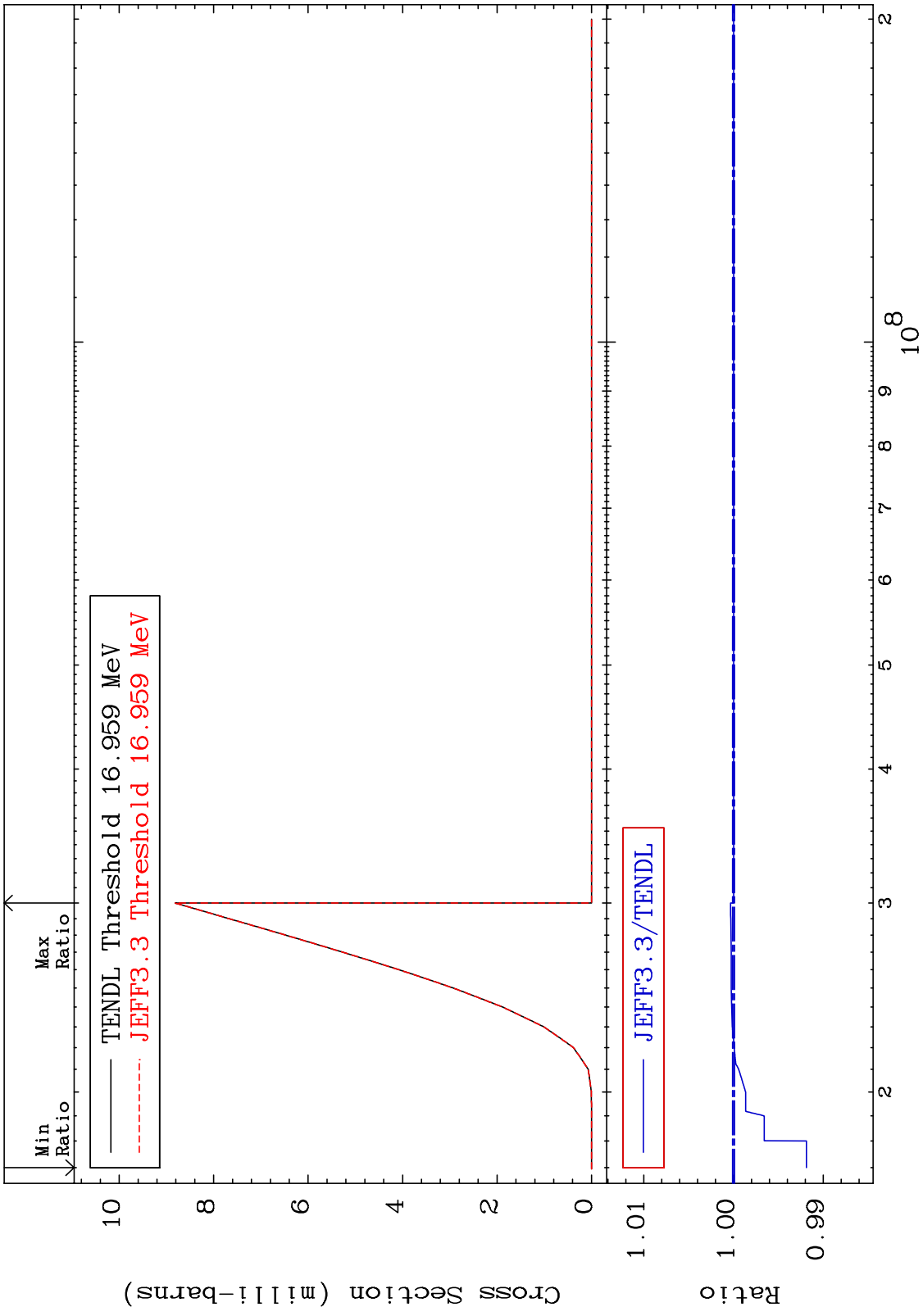
MAT 2219 (n,d) 2α 22-Ti-44
 Cross Section 0.000 To 731.0 %



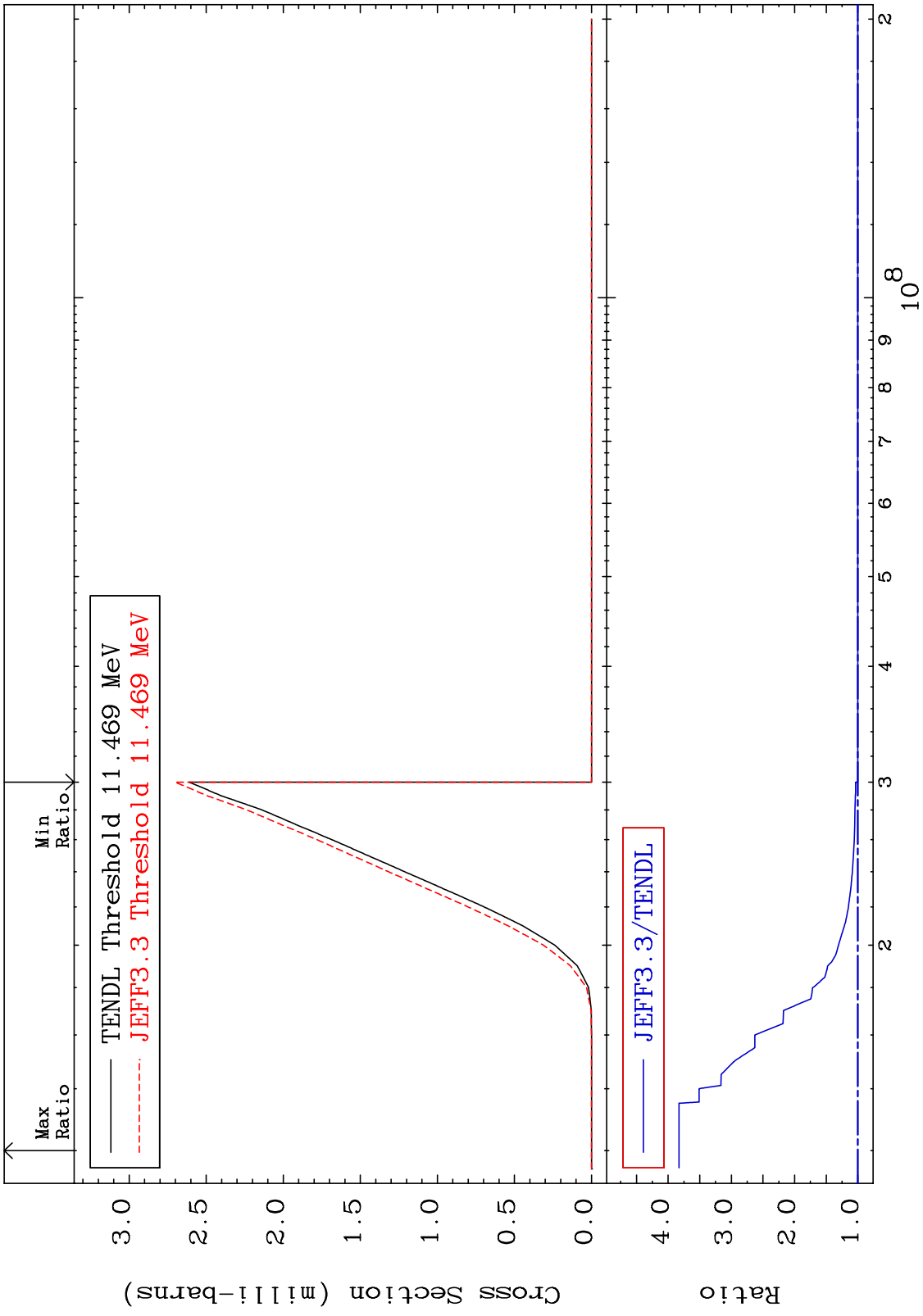
MAT 2219 (n,p) d 22-Ti-44
 Cross Section -0.995 To 0.197 %



MAT 2219 (n,p) t 22-Ti-44
 Cross Section -0.812 To 0.034 %



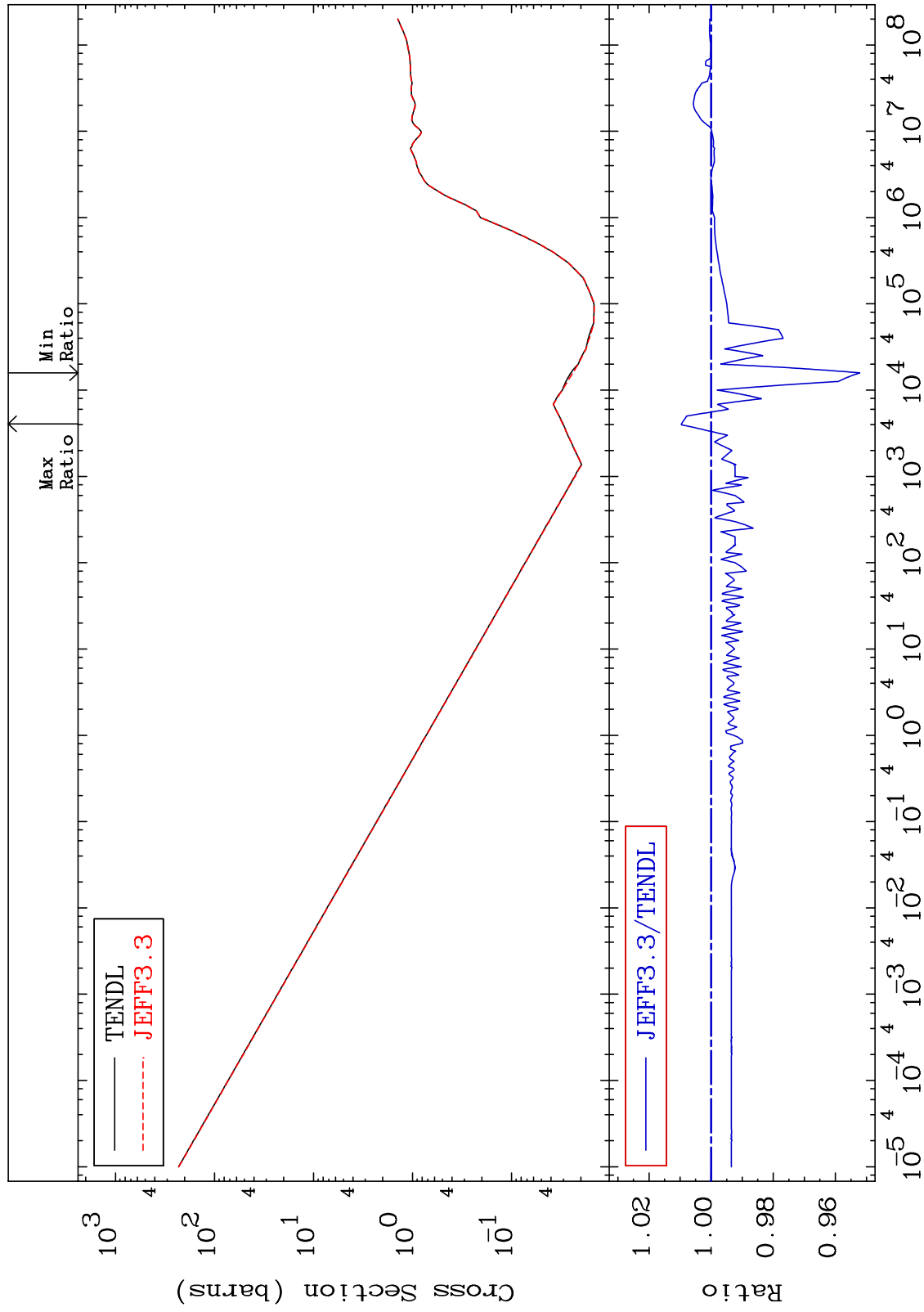
MAT 2219 $(n,d) \alpha$ Cross Section 22-Ti-44
 0.000 To 282.7 %



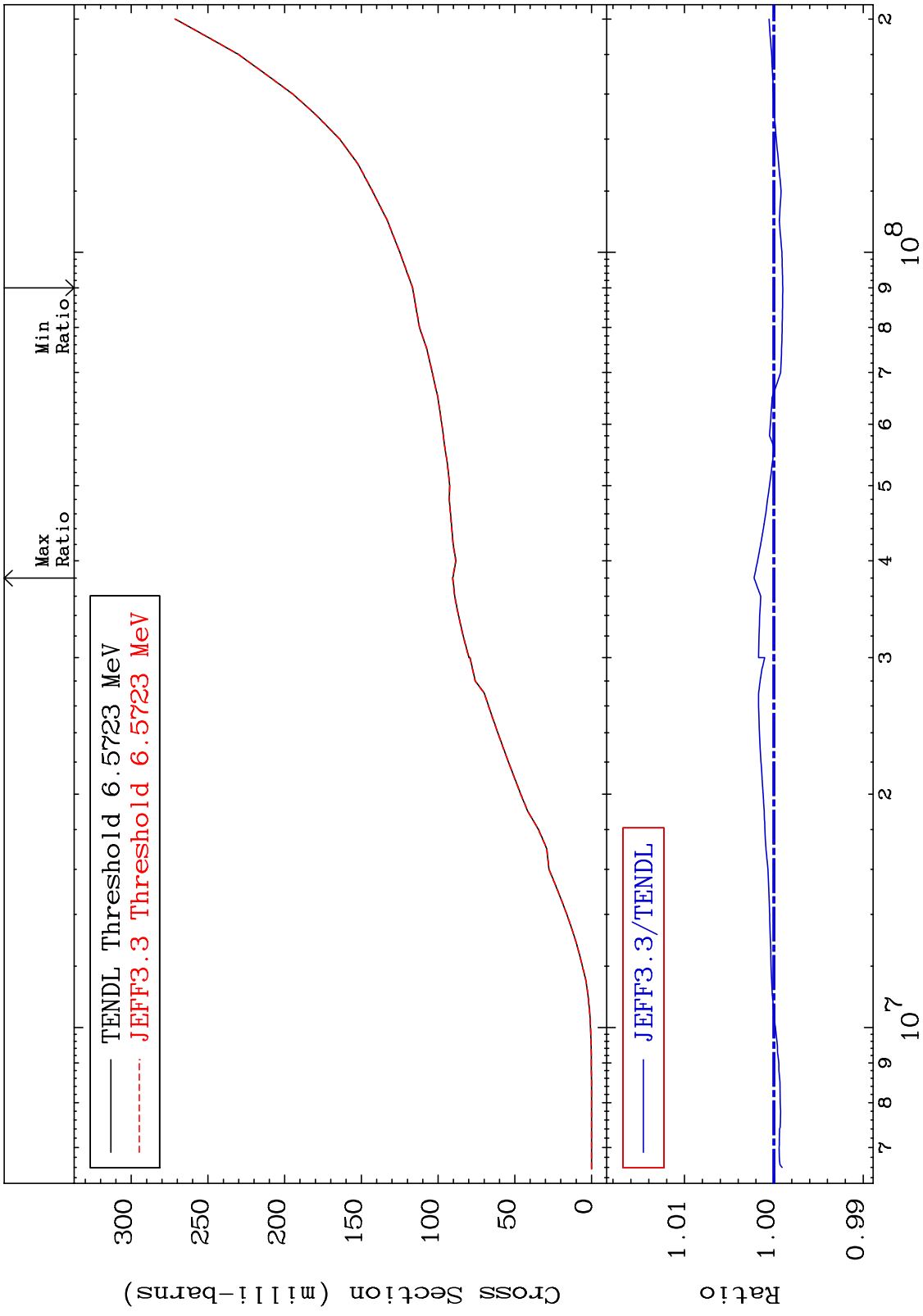
MAT 2219

Hydrogen Production
Cross Section

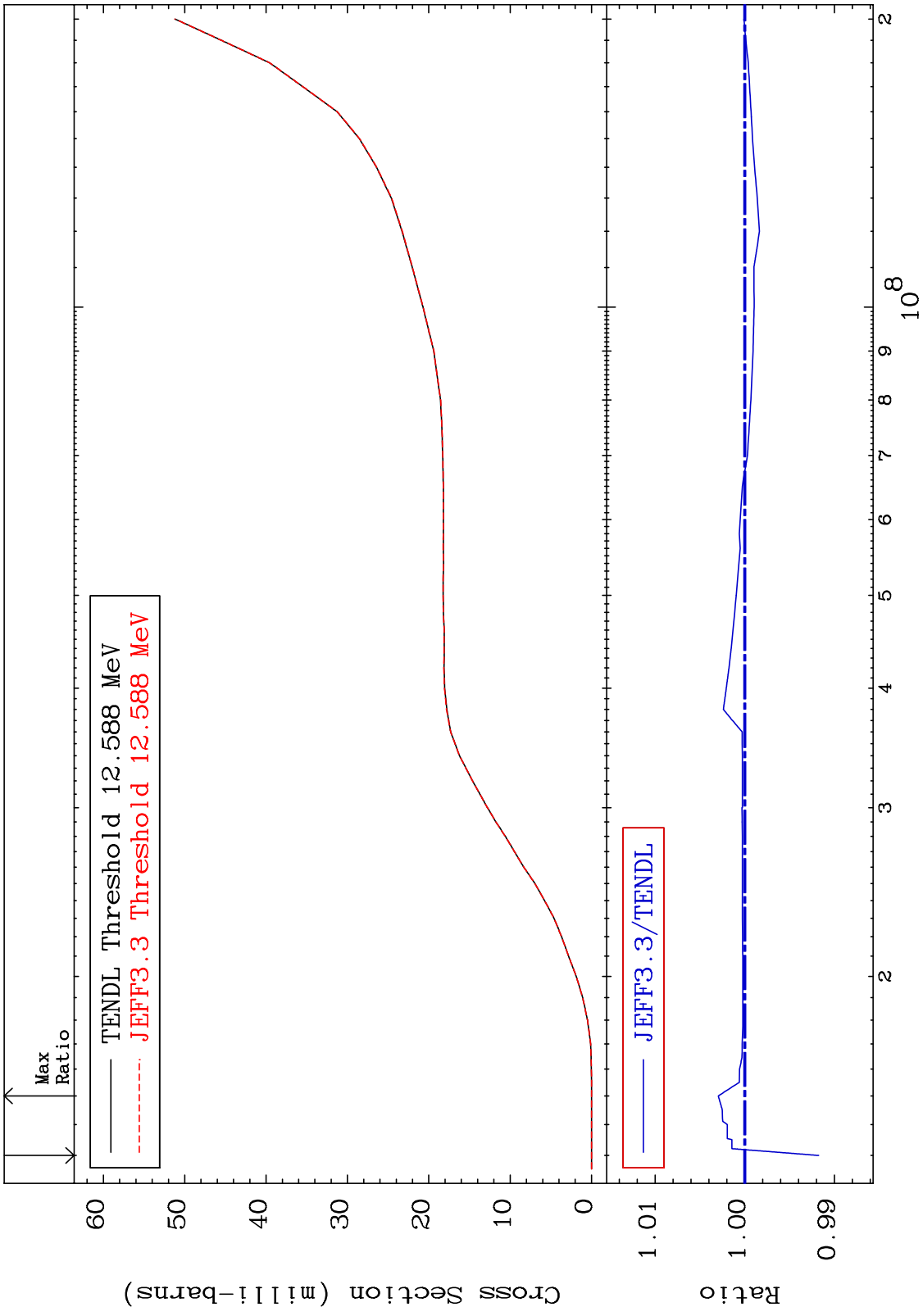
22-Ti-44
-4.785 To 0.956 %



MAT 2219 Deuterium Production Cross Section 22-Ti-44
-0.100 To 0.221 %



MAT 2219 Tritium Production Cross Section 22-Ti-44
 -0.823 To 0.296 %

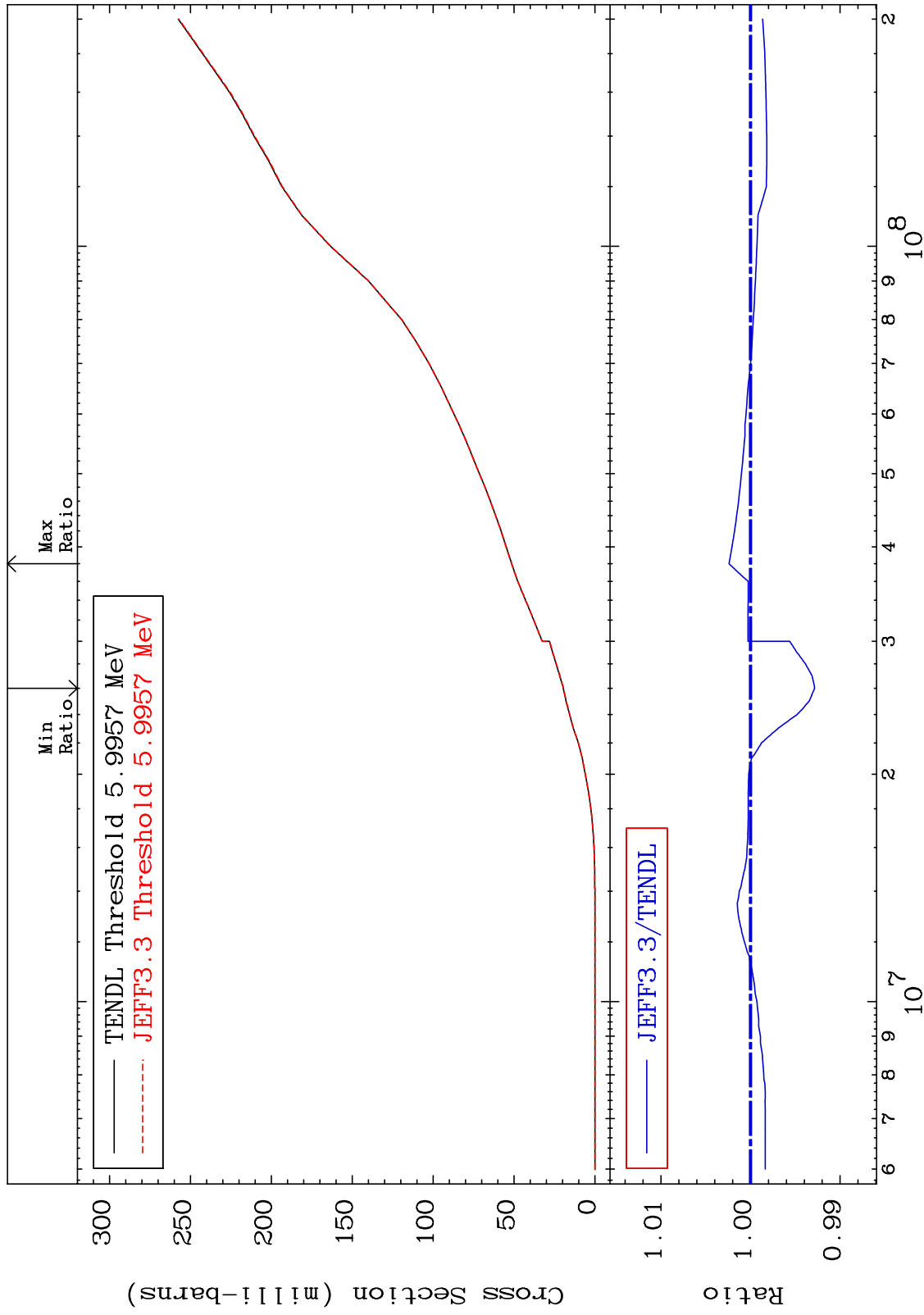


49 22-Ti-44

MAT 2219

He-3 Production
Cross Section

22-Ti-44
-0.717 To 0.240 %



50

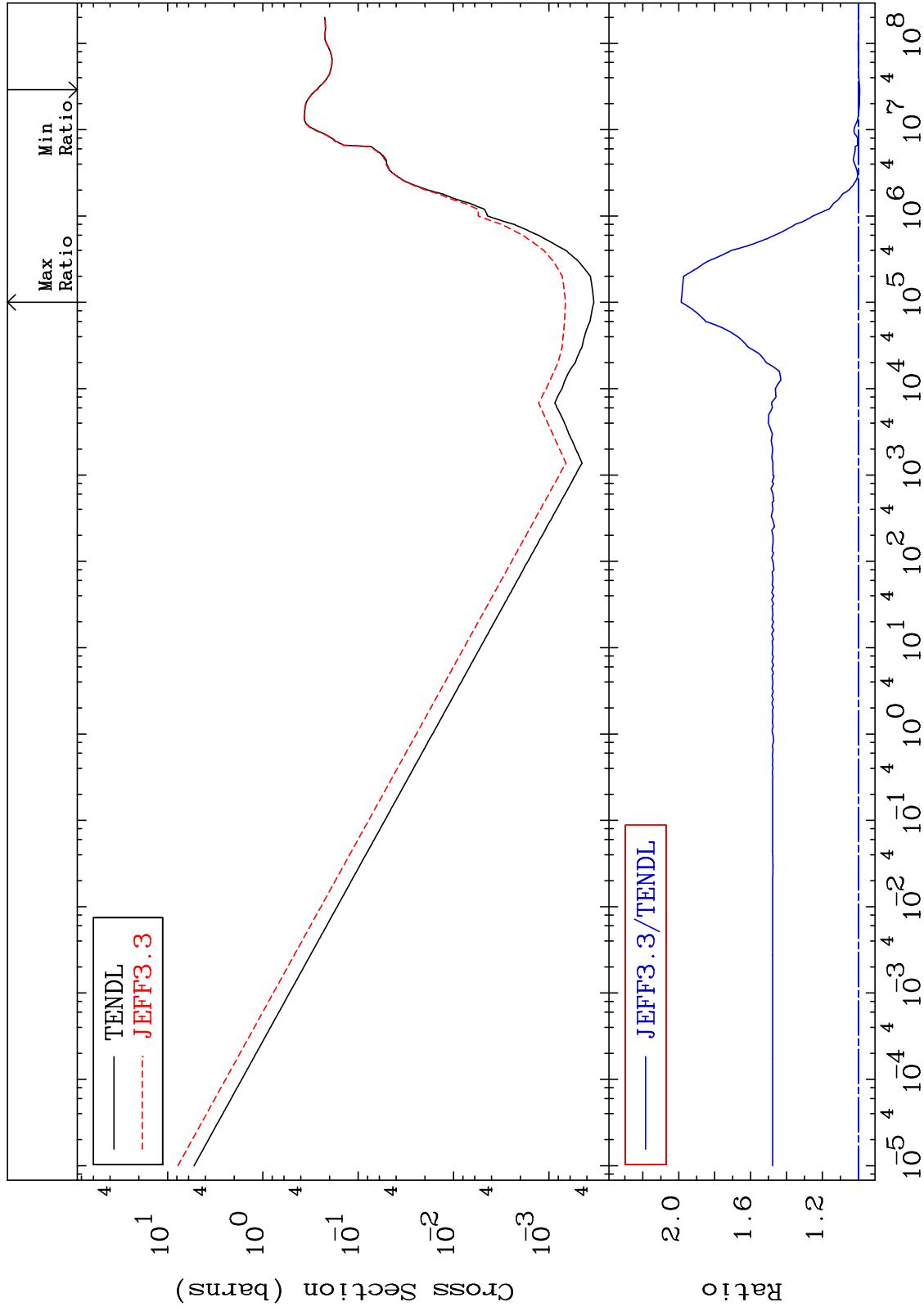
Incident Energy (eV)

22-Ti-44

MAT 2219

He-4 Production
Cross Section

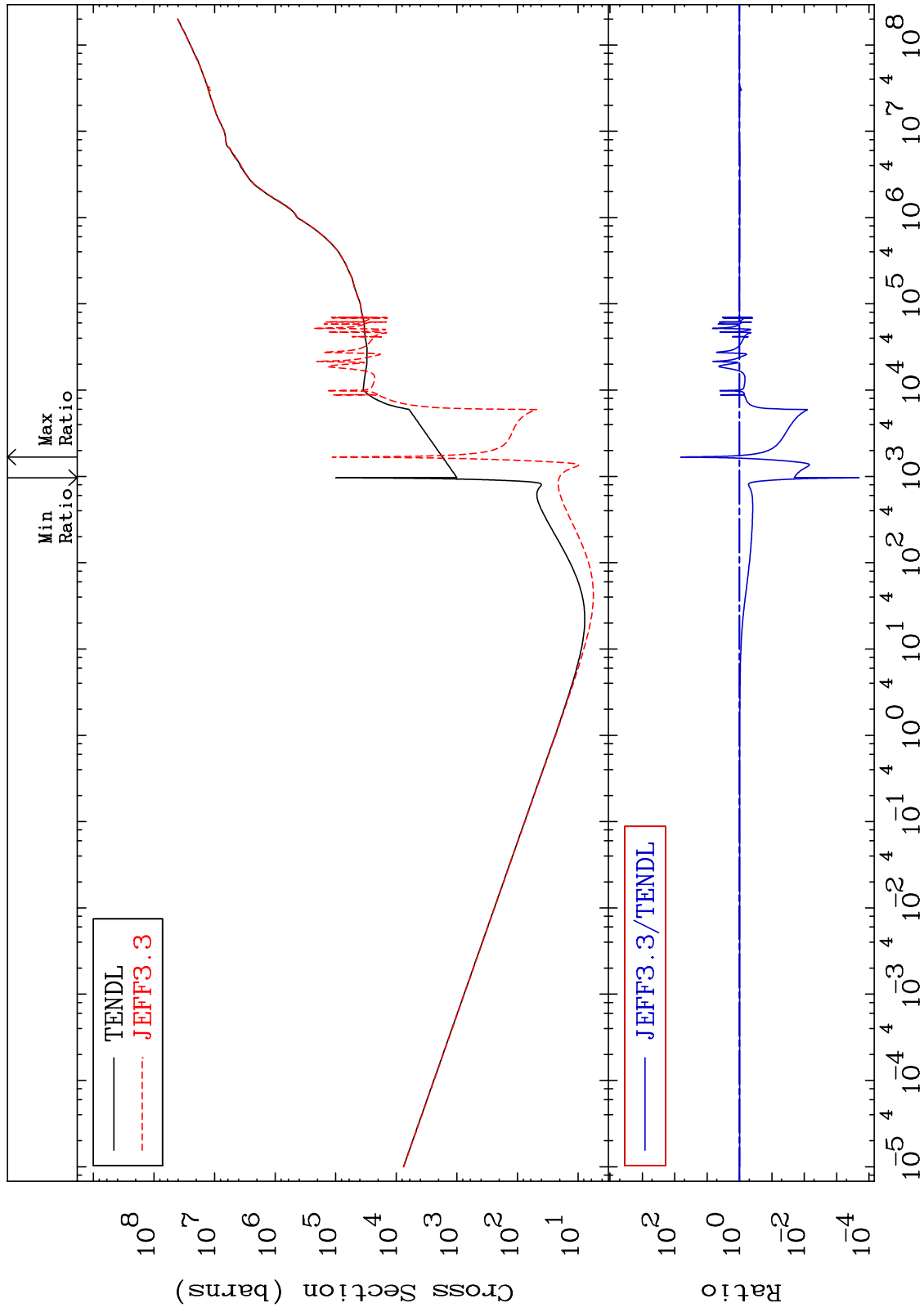
22-Ti-44
-0.753 To 98.61 %



MAT 2219

Kerma total (eV-barns)
Cross Section

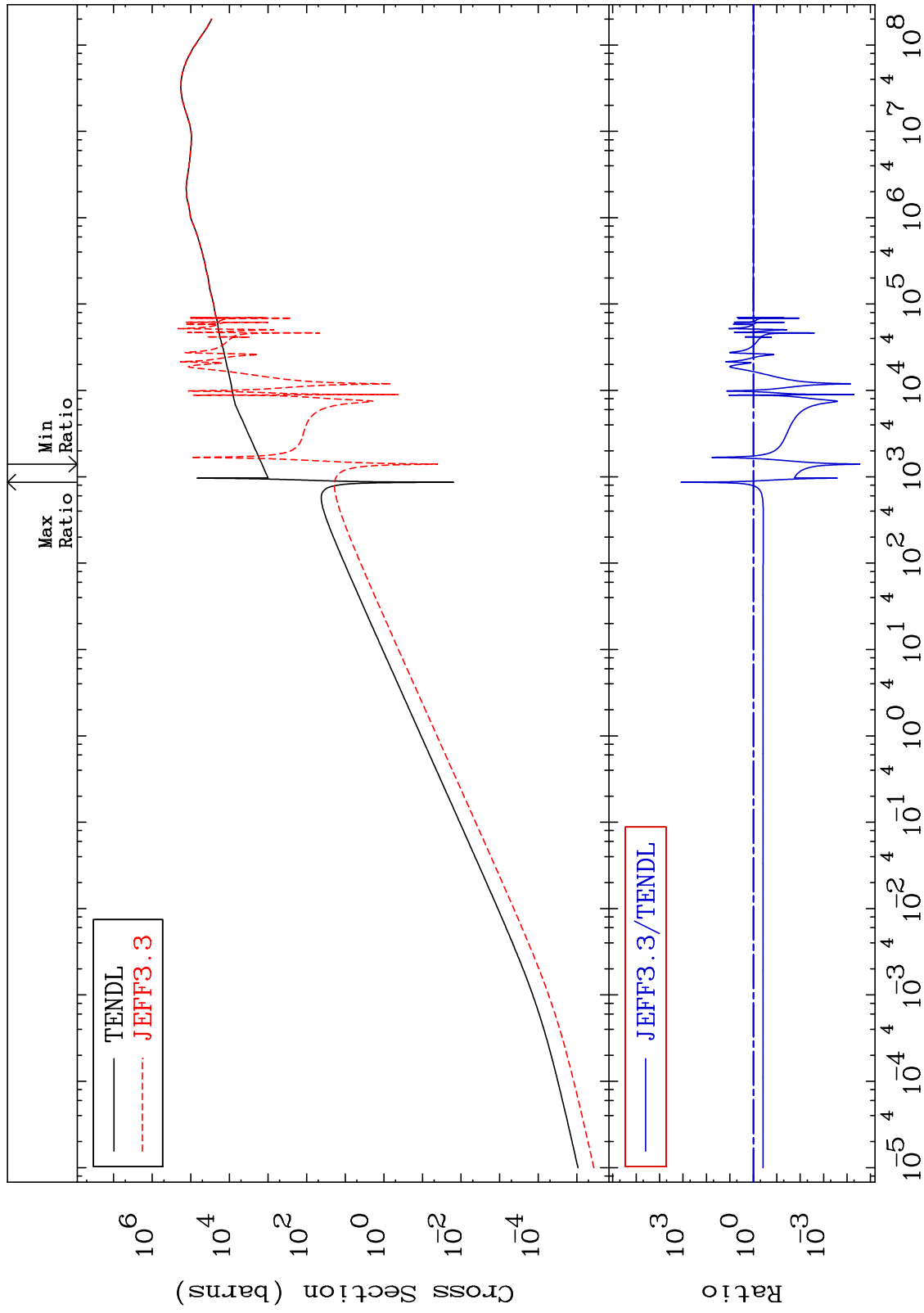
22-Ti-44
-99.98 To 6462. %



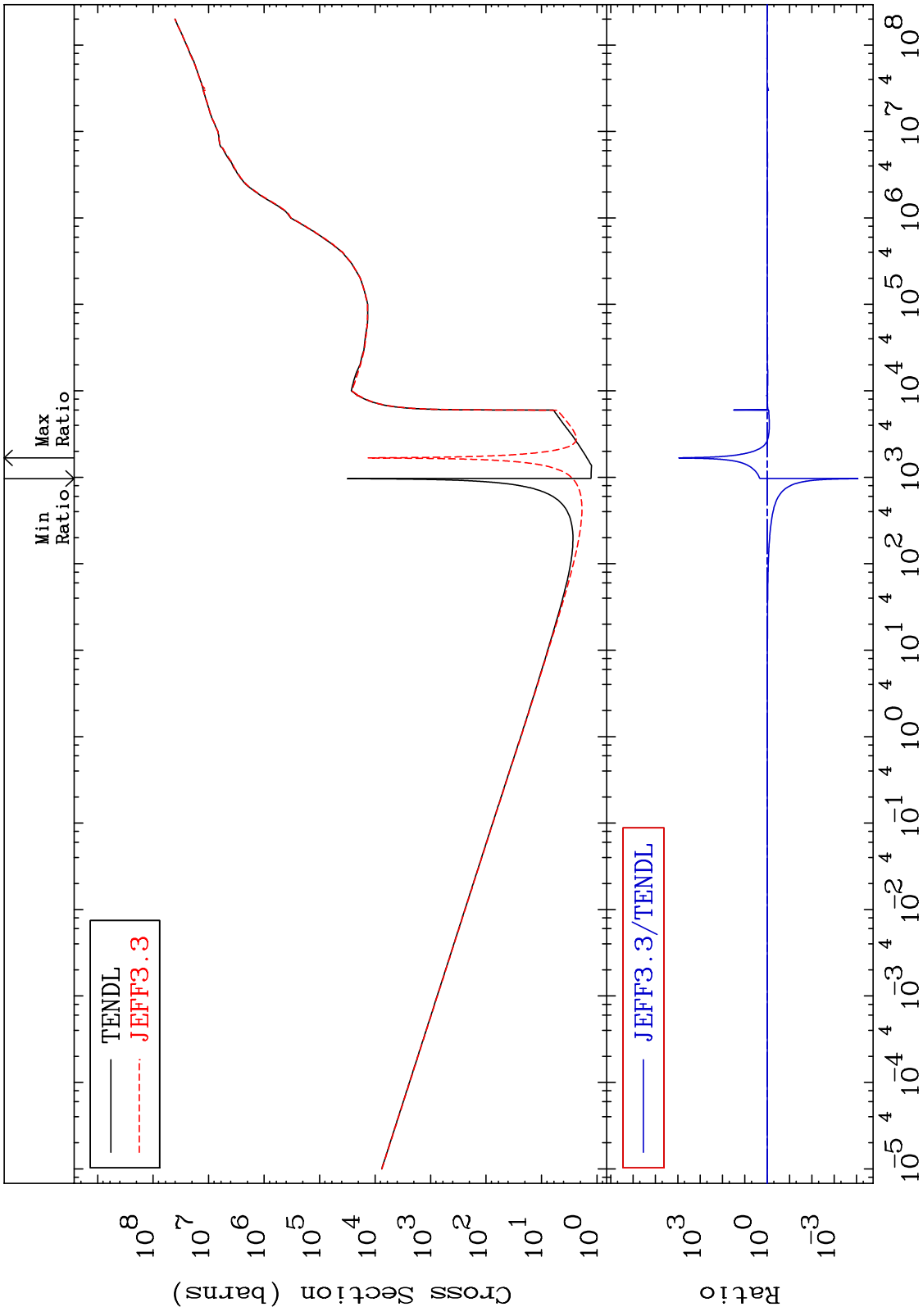
MAT 2219

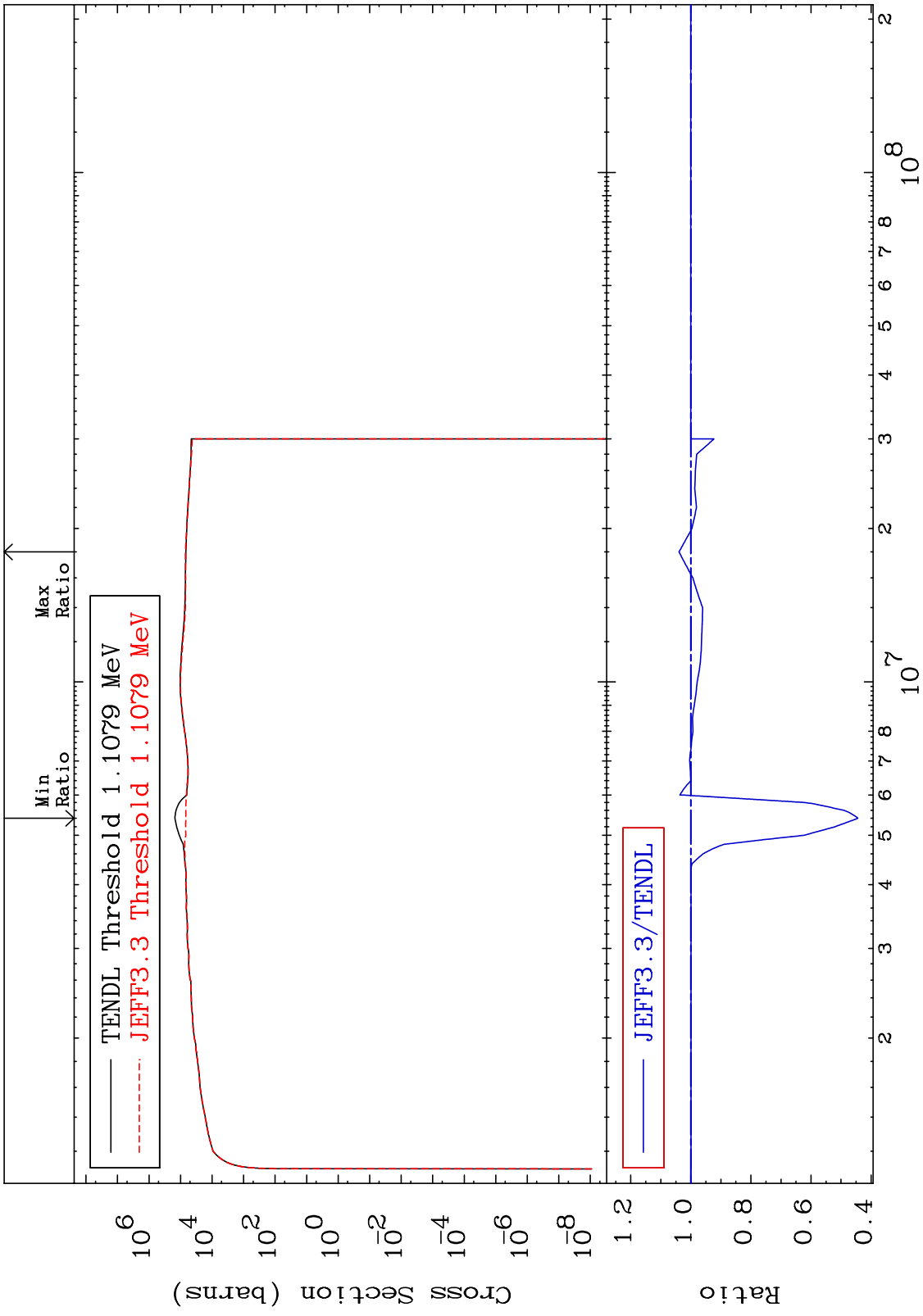
Kerma elastic
Cross Section

22-Ti-44
-100.0 To 9999. %

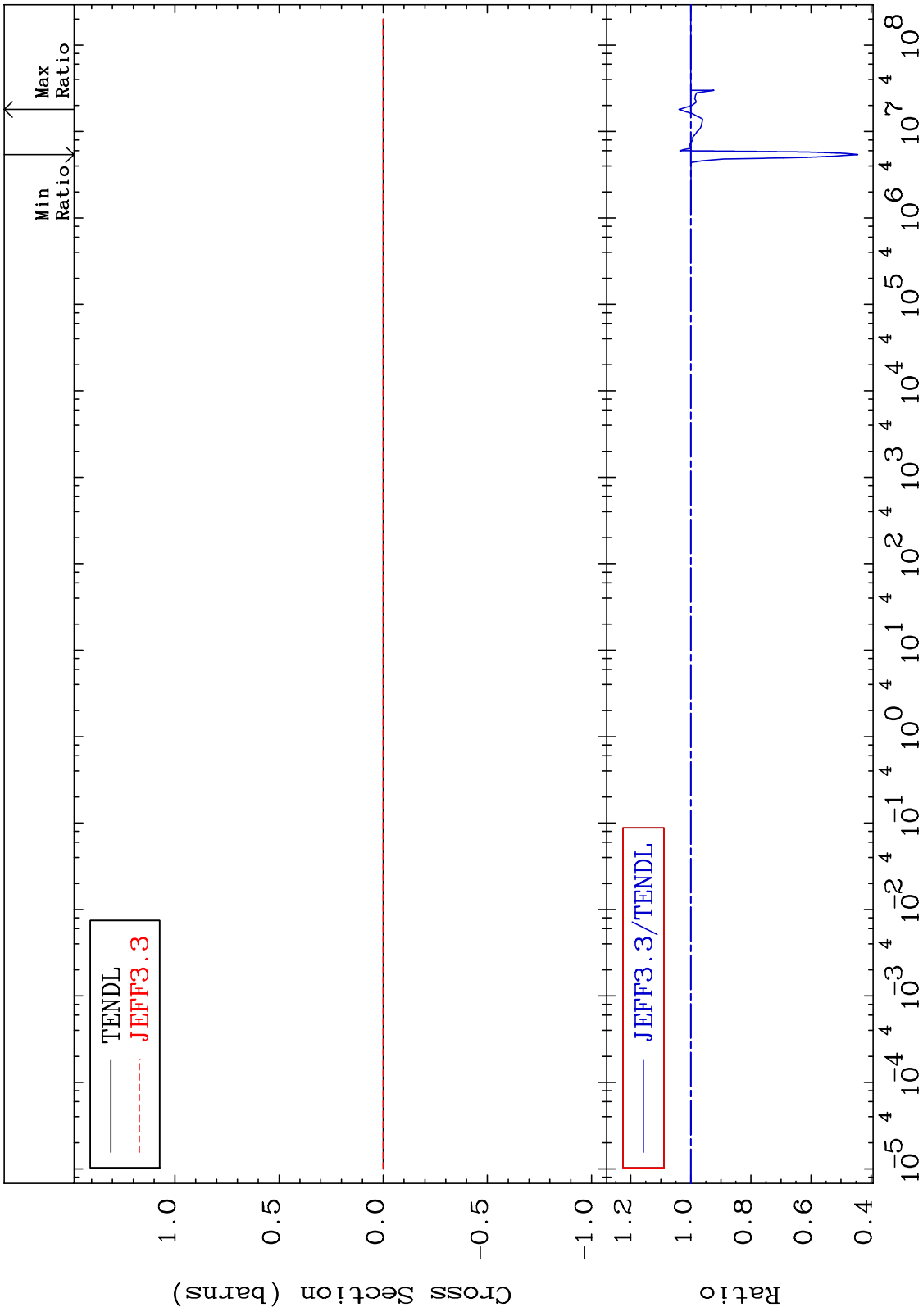


MAT 2219 Kerma non-elastic (all but mt2) 22-Ti-44
 -99.99 To 9999. %
 Cross Section





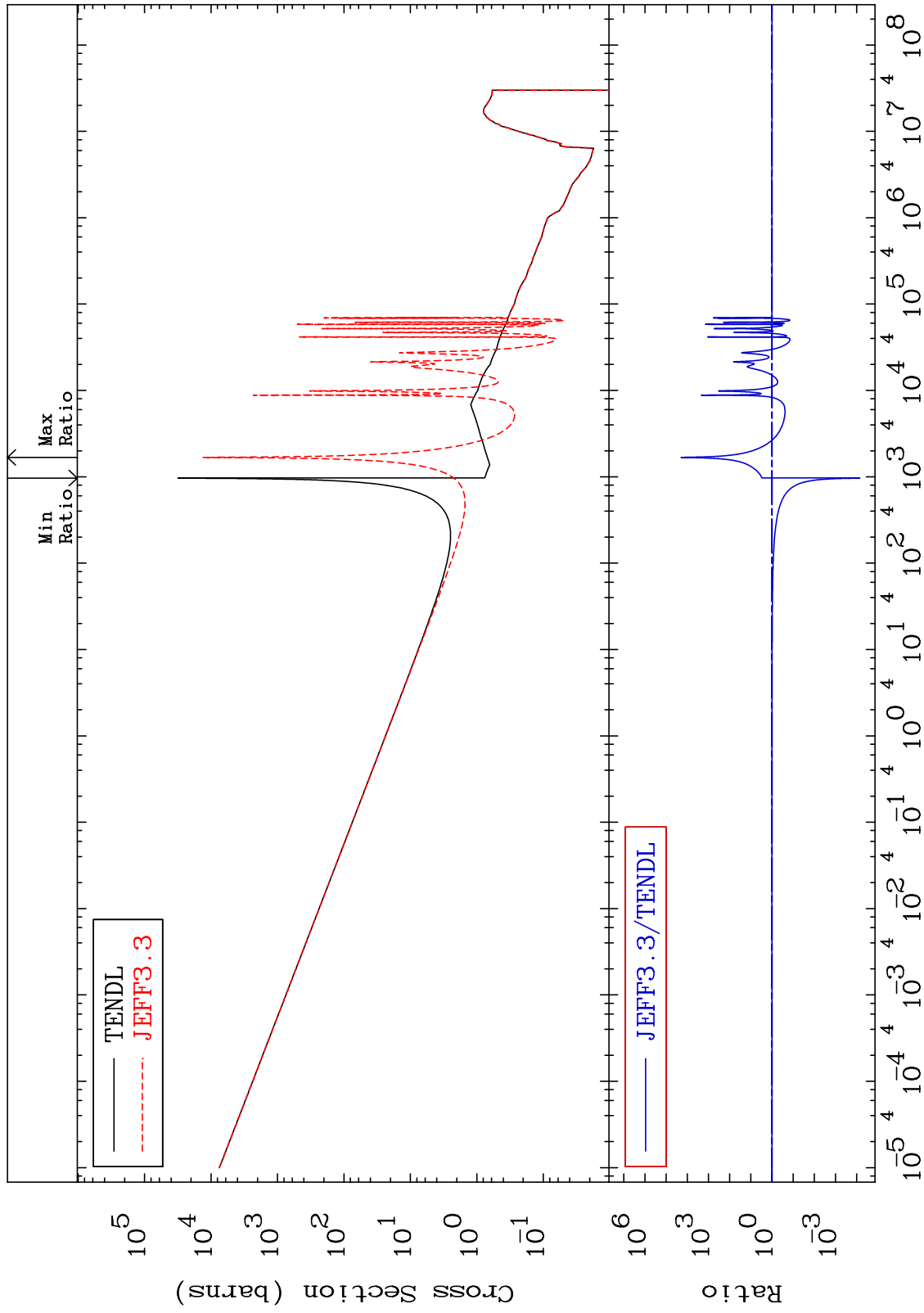
MAT 2219 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-44
 Cross Section -55.59 To 3.926 %



MAT 2219

Kerma capture (mt102)
Cross Section

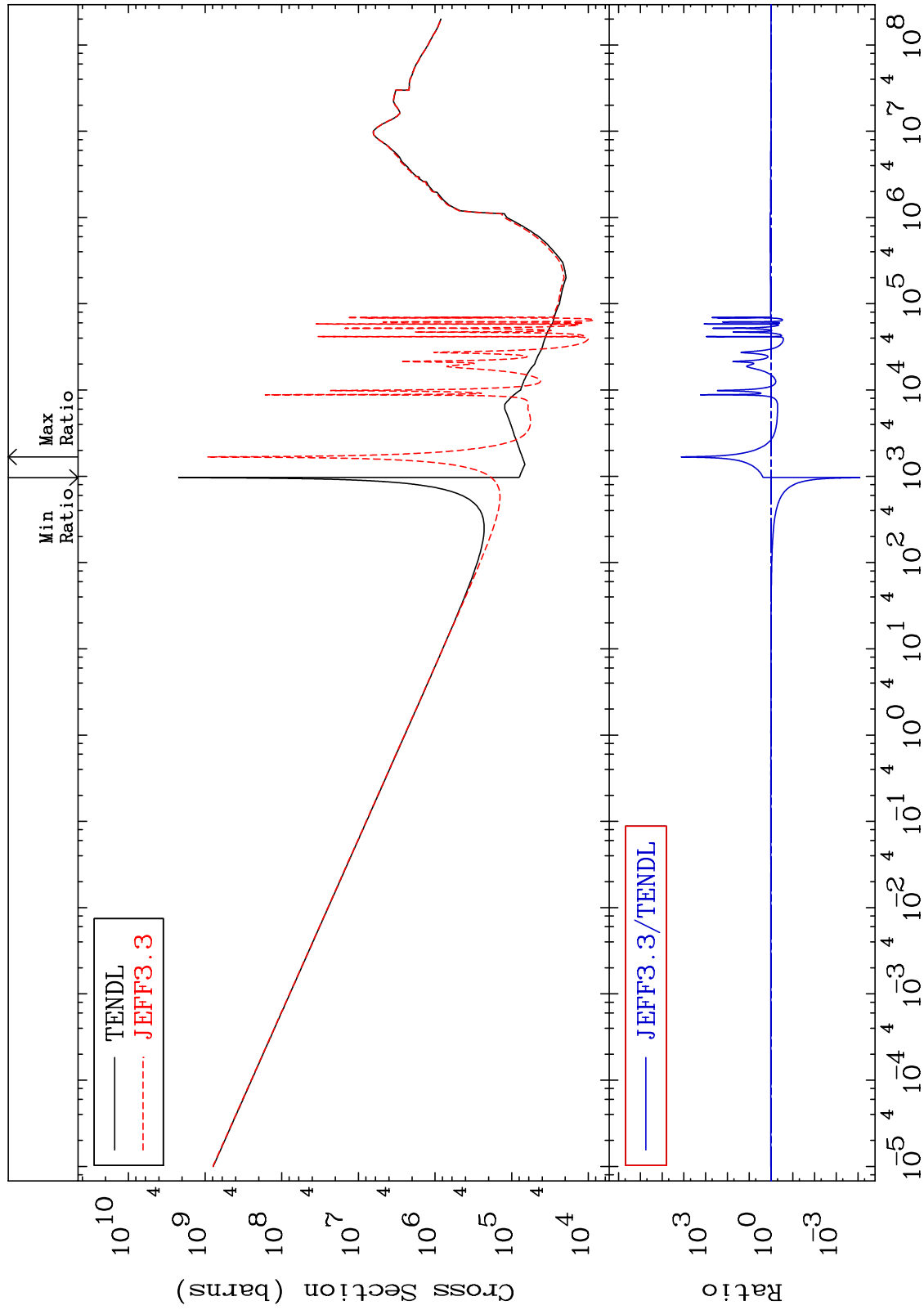
22-Ti-44
-99.99 To 9999. %



MAT 2219

Total photon (eV-barns)
Cross Section

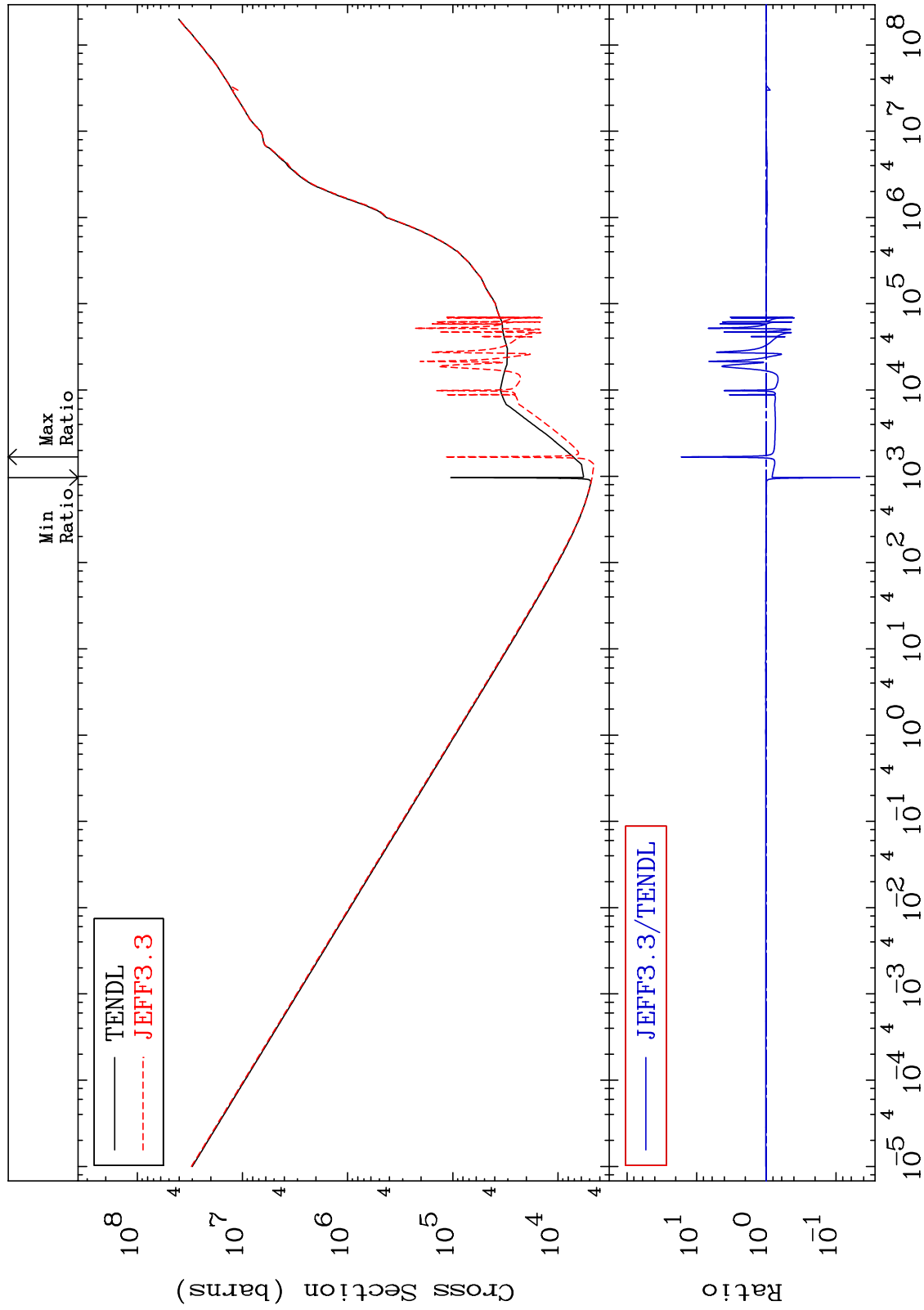
22-Ti-44
-99.99 To 9999. %



MAT 2219

Total kinematic kerma (high limit)
Cross Section

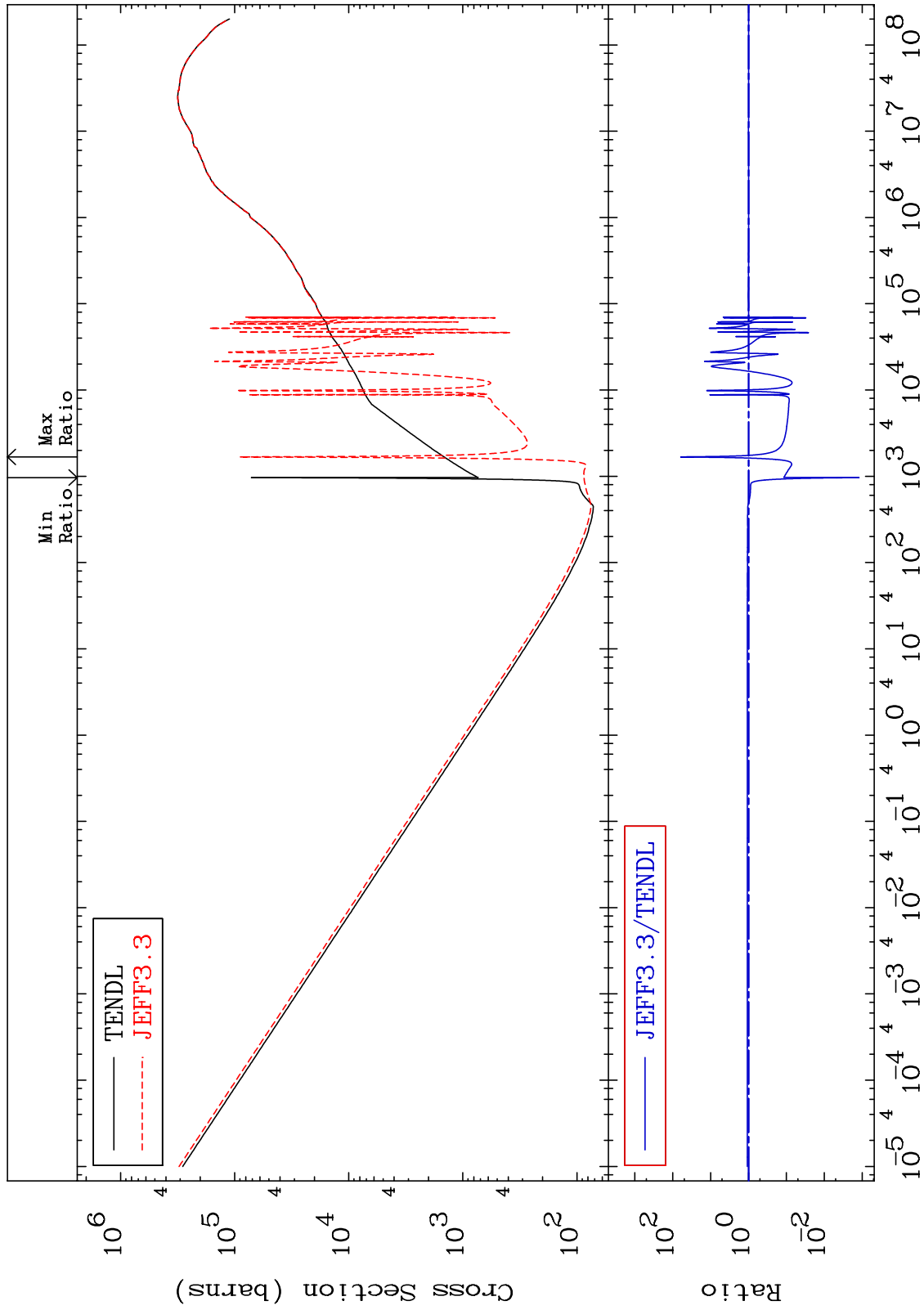
22-Ti-44
-95.46 To 1555. %



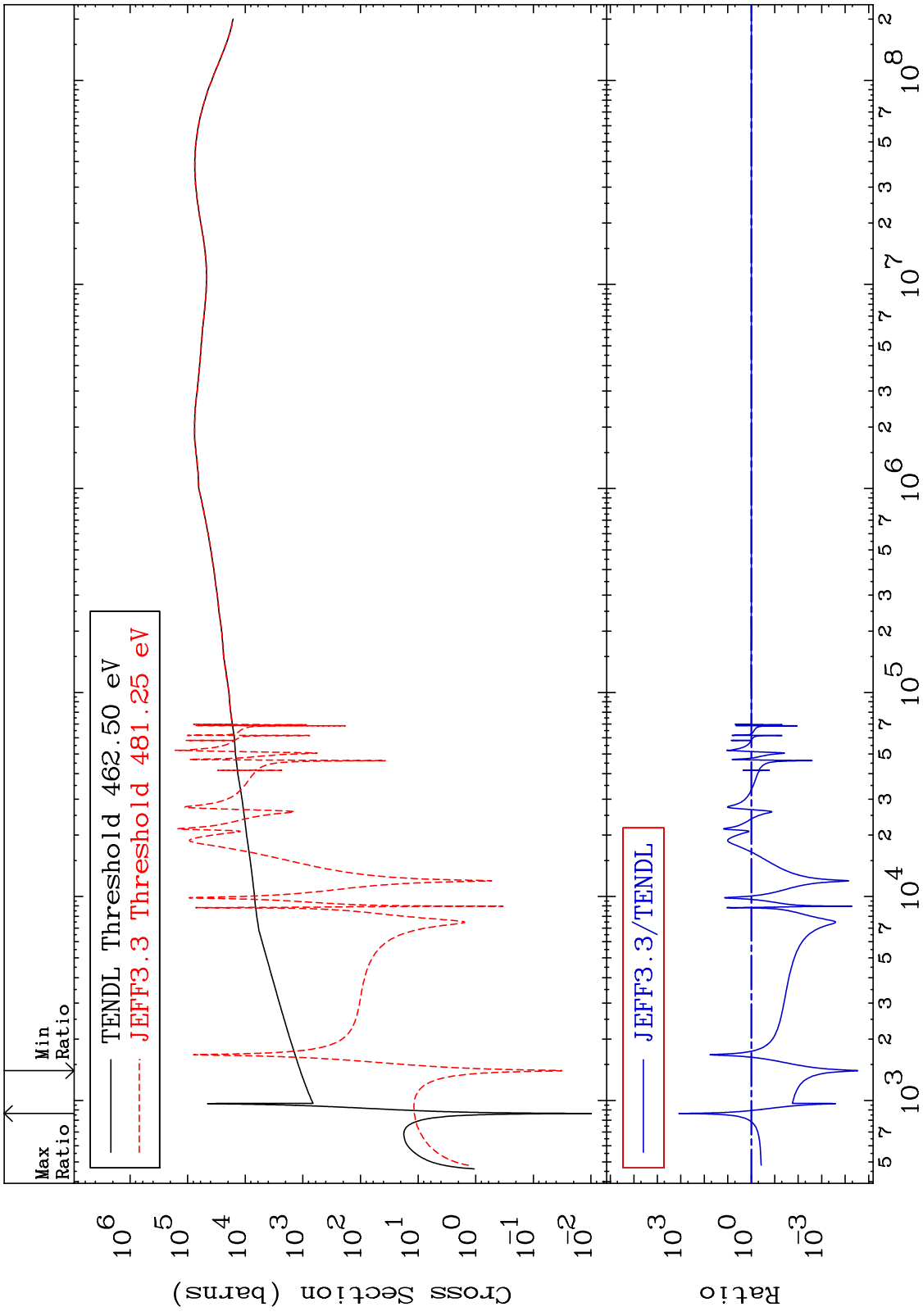
MAT 2219

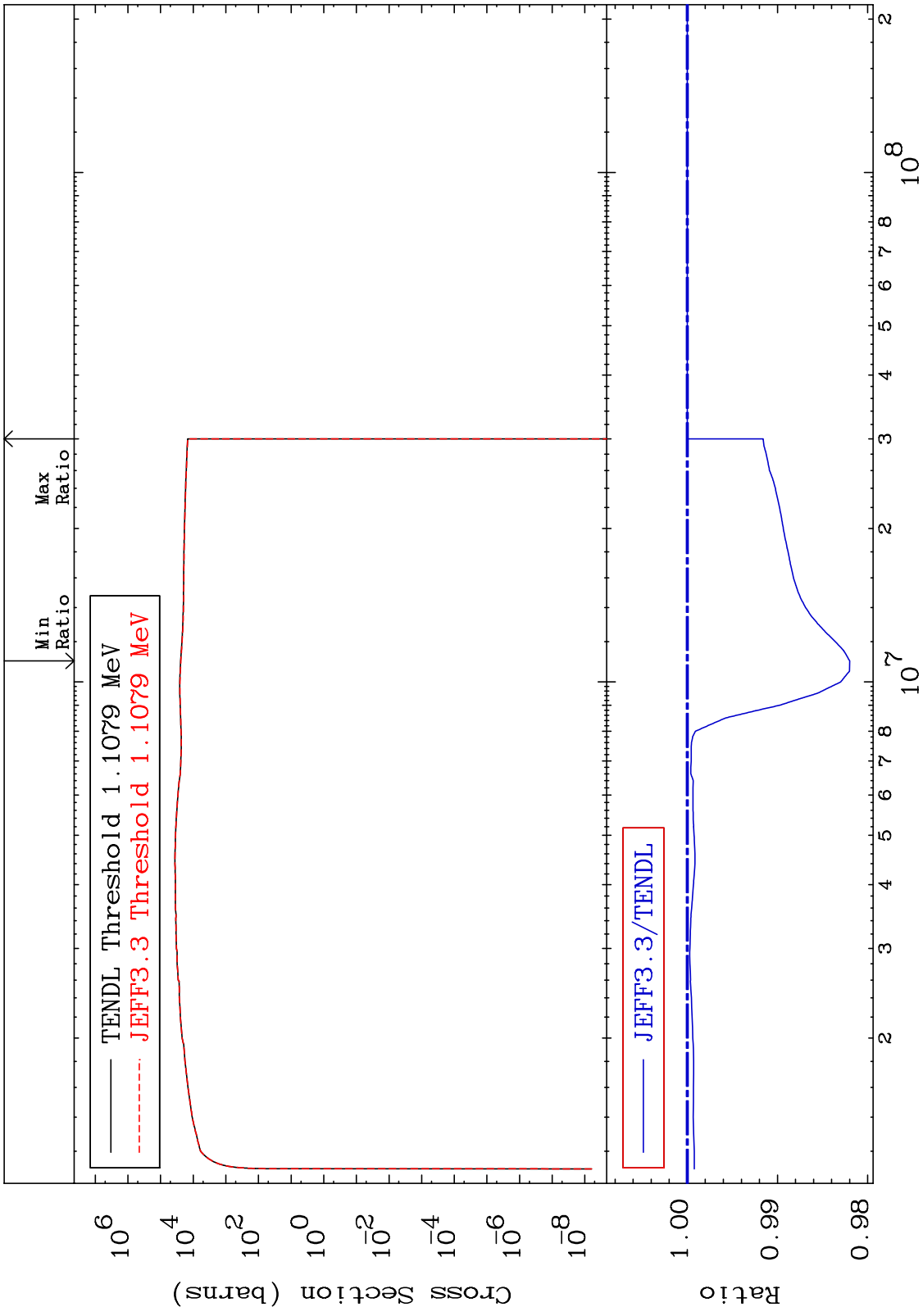
Dpa total (eV-barns)
Cross Section

22-Ti-44
-99.88 To 6098. %



MAT 2219 Dpa elastic (mt2) 22-Ti-44
 Cross Section -100.0 To 9999. %

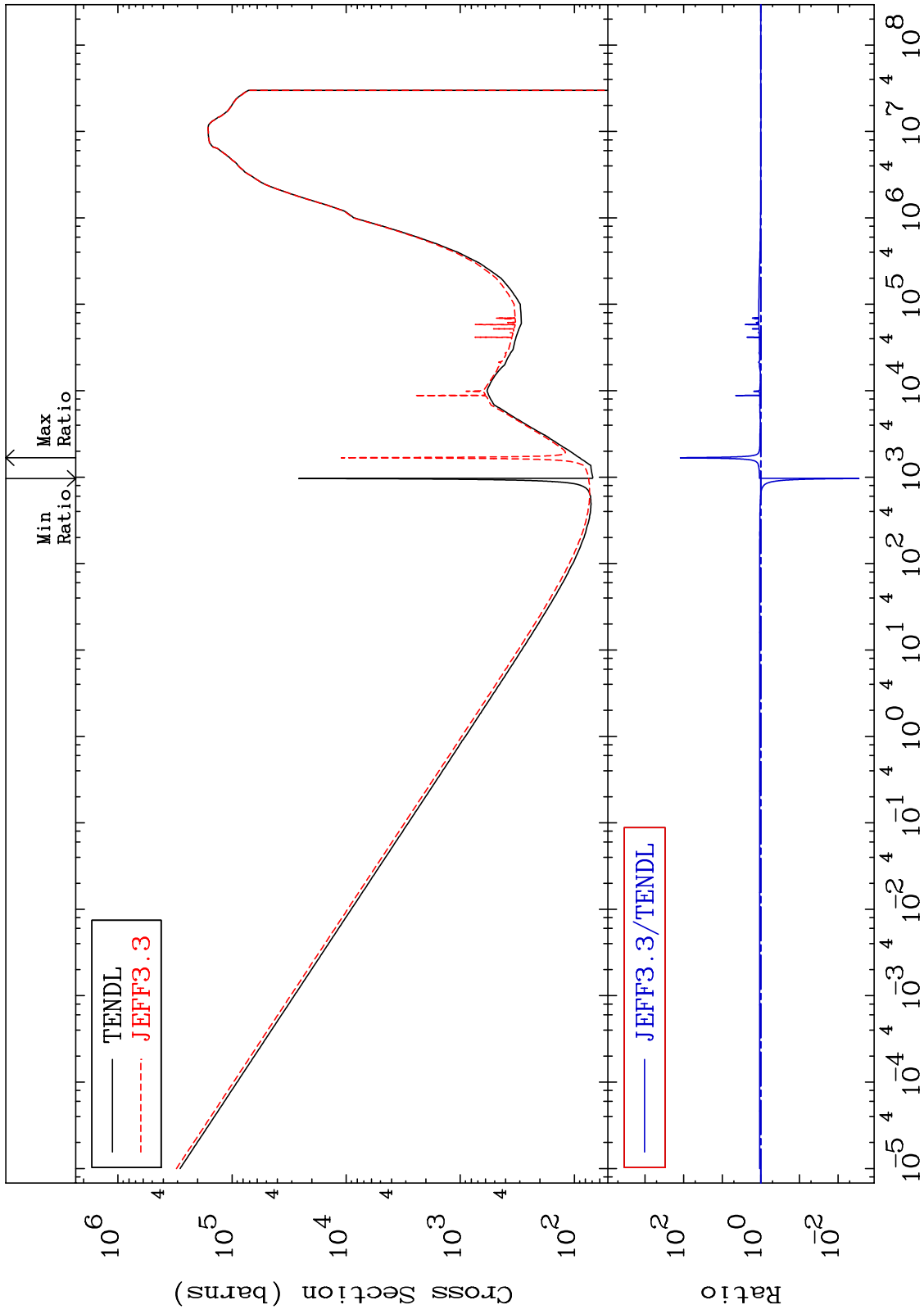


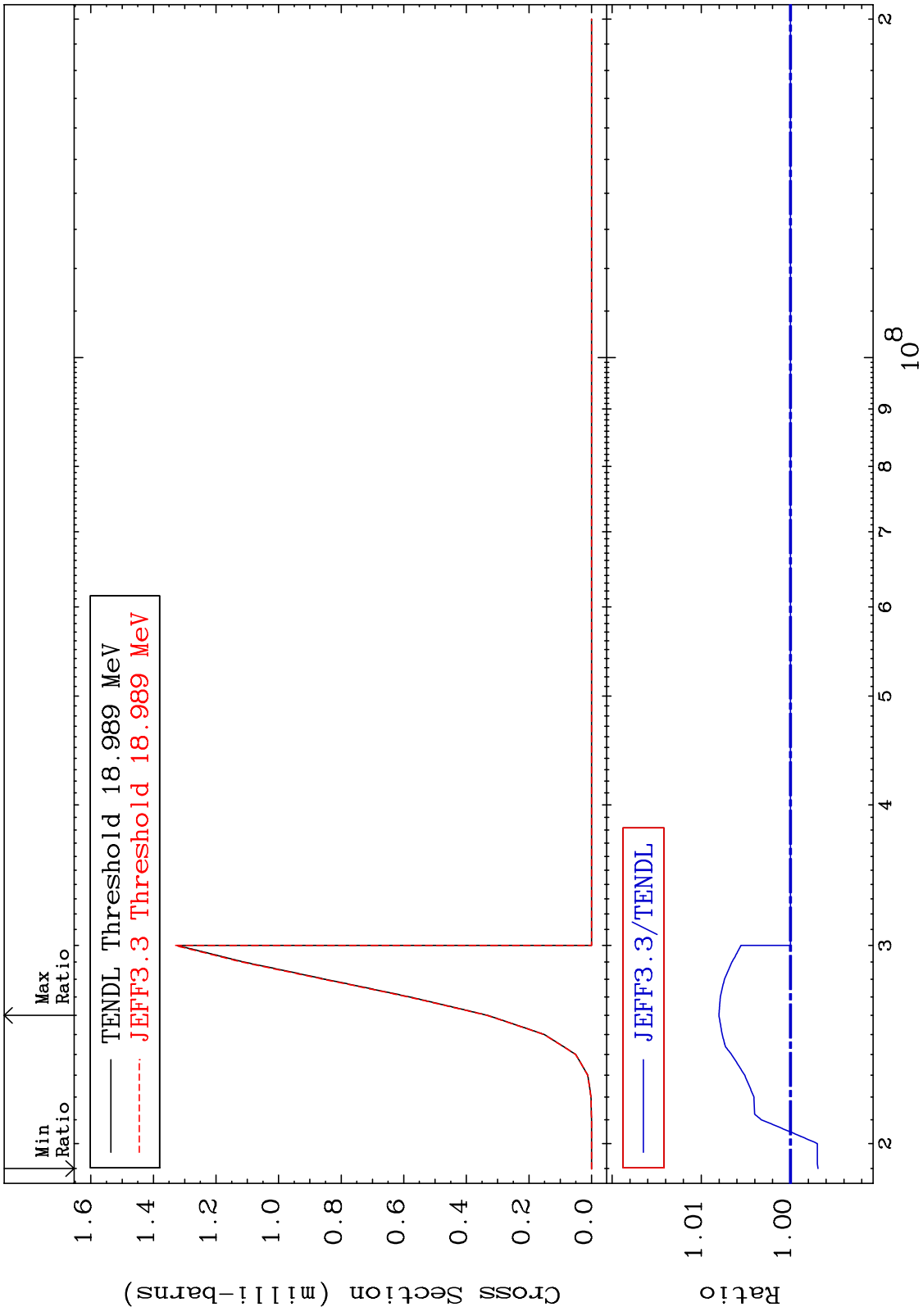


MAT 2219

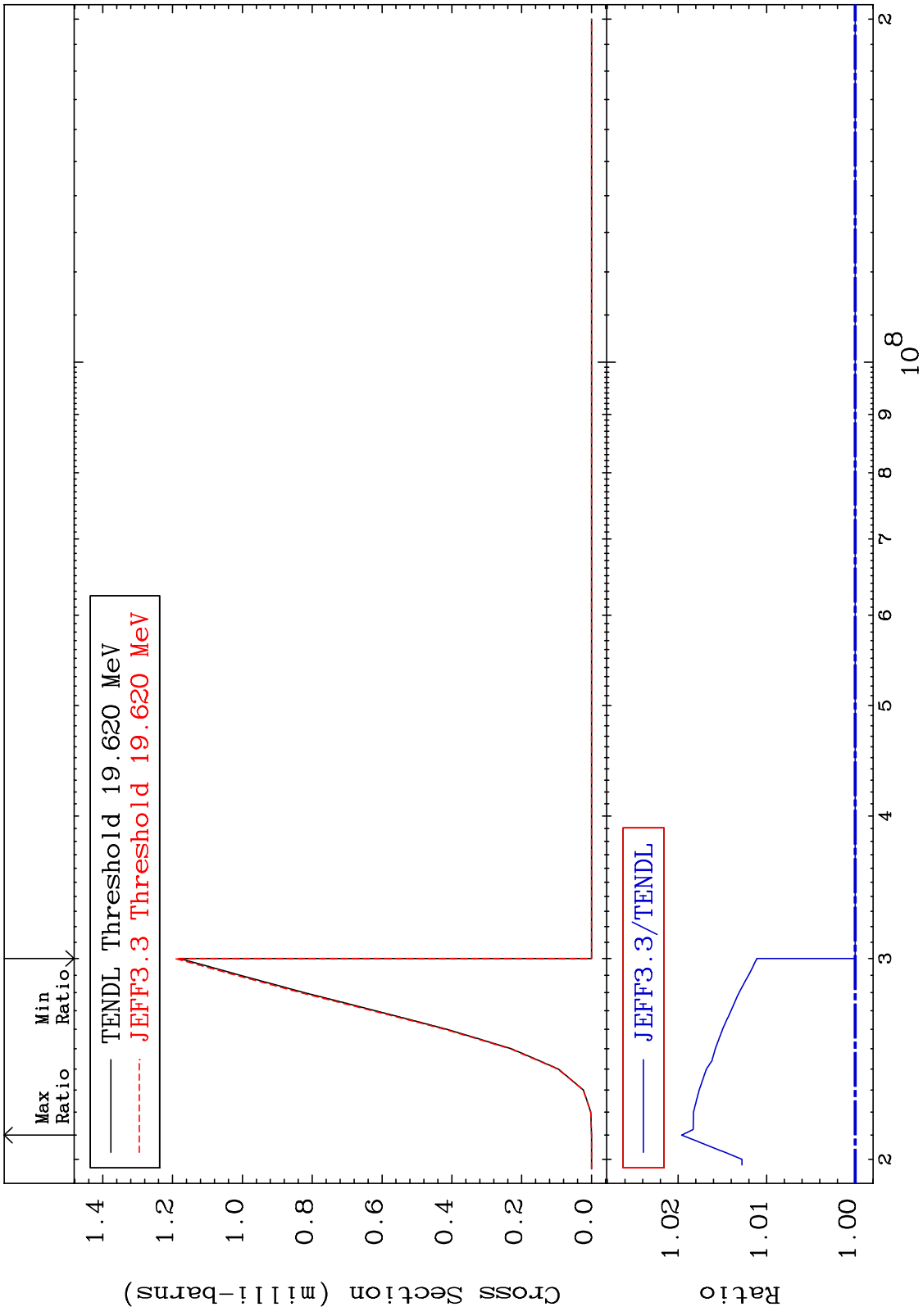
Dpa disappearance (mt102 -120)
Cross Section

22-Ti-44
-99.71 To 9999. %



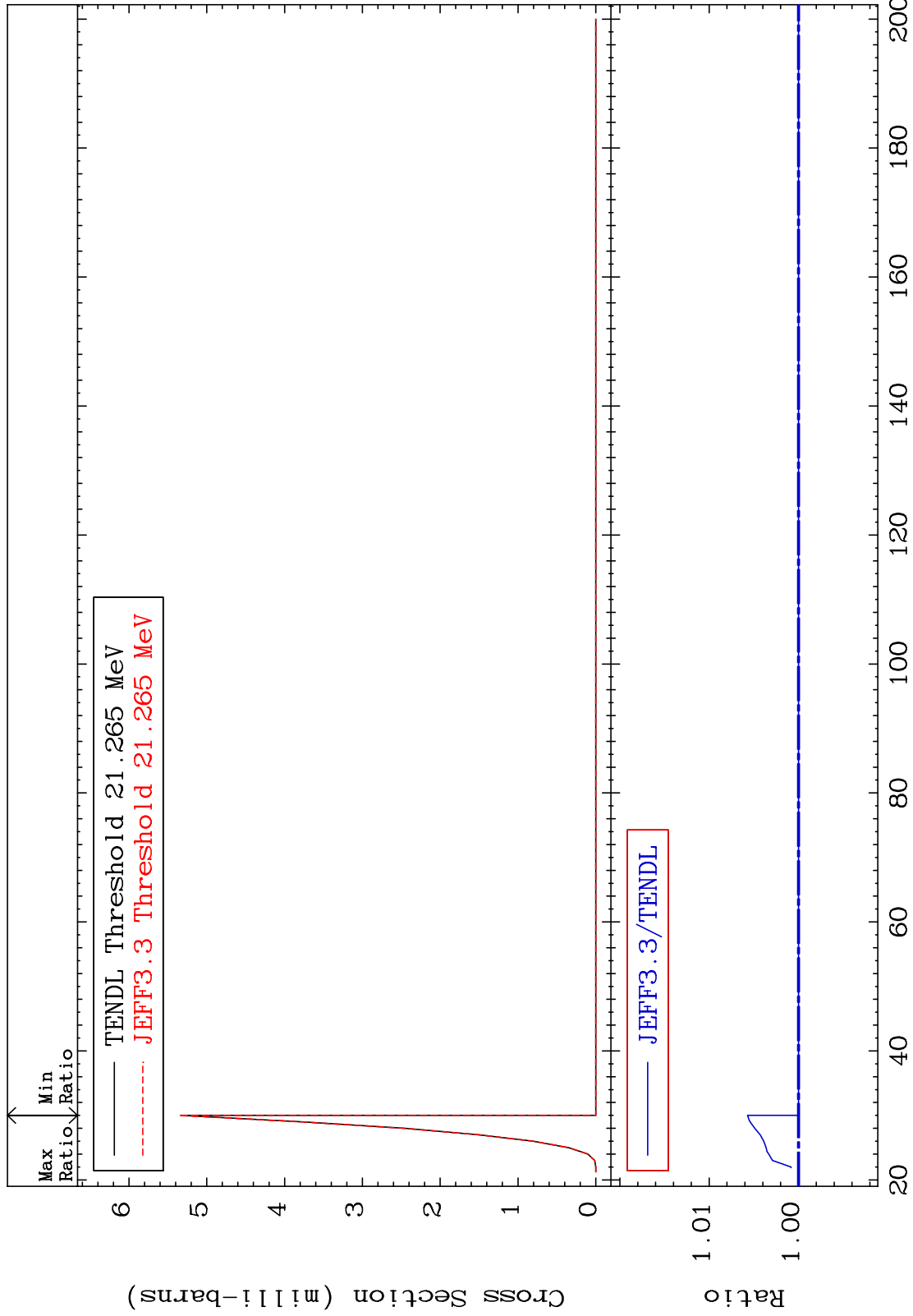


MAT 2219 (n, n') d:21-Sc-42m2 22-Ti-44
 Radionuclide Production Cross Section 0.000 To 1.961 %



MAT 2219

(n,2n) p:21-Sc-42g 22-Ti-44
Radionuclide Production Cross Section 0.000 To 0.571 %

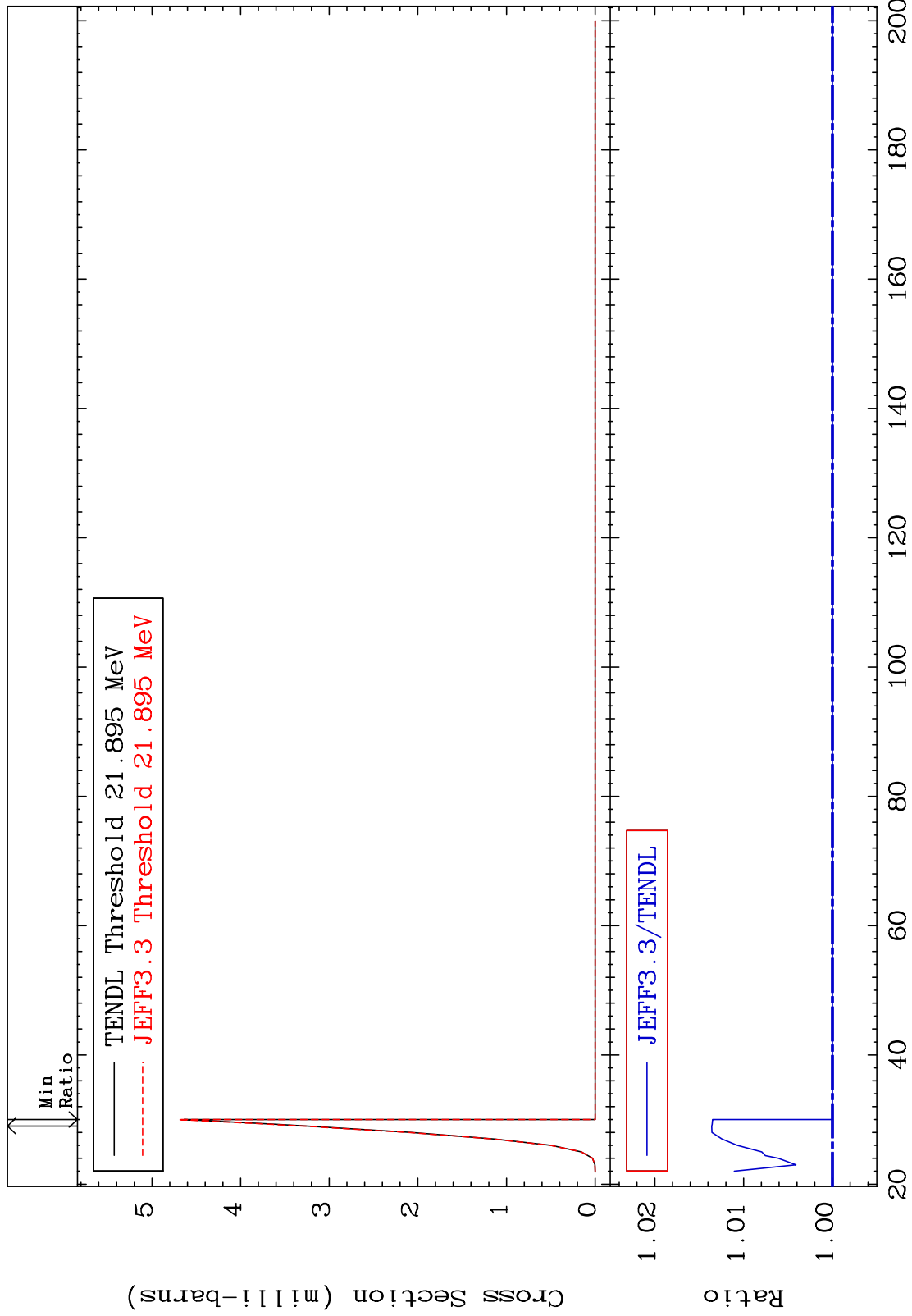


MAT 2219

(n,2n) p:21-Sc-42m2

22-Ti-44

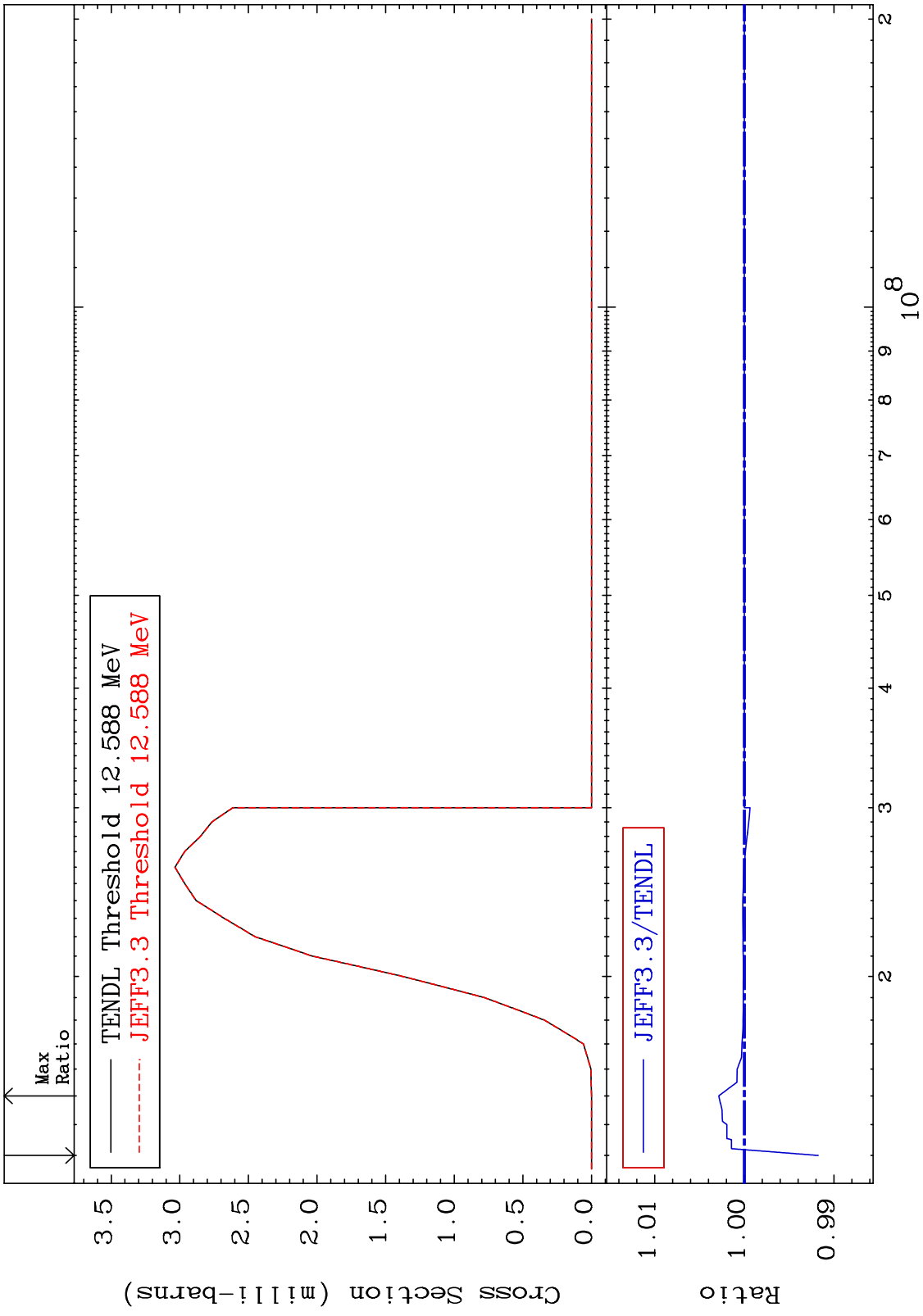
Radionuclide Production Cross Section 0.000 To 1.358 %



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22-Ti-44

MAT 2219 (n,t):21-Sc-42g 22-Ti-44
 Radionuclide Production Cross Section -0.823 To 0.287 %



MAT 2219 (n,t):21-Sc-42m2 22-Ti-44
 Radionuclide Production Cross Section 0.000 To 0.498 %

