

Program Complot
(Version 2021-1)

by

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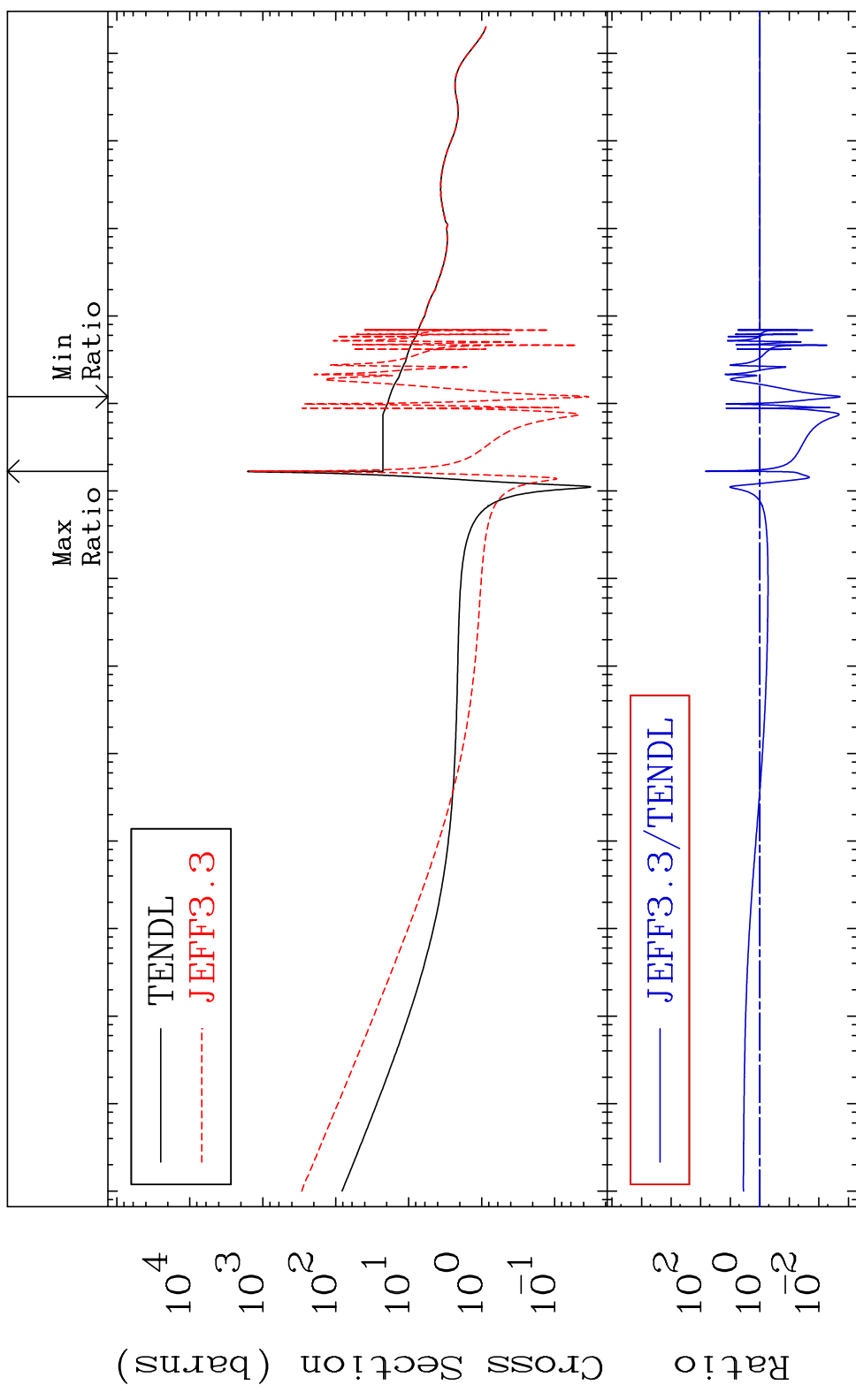
Press Mouse Button to Start

MAT 2219

Total

22-Ti-44

Cross Section -99.81 To 6627. %



Incident Energy (eV)

1

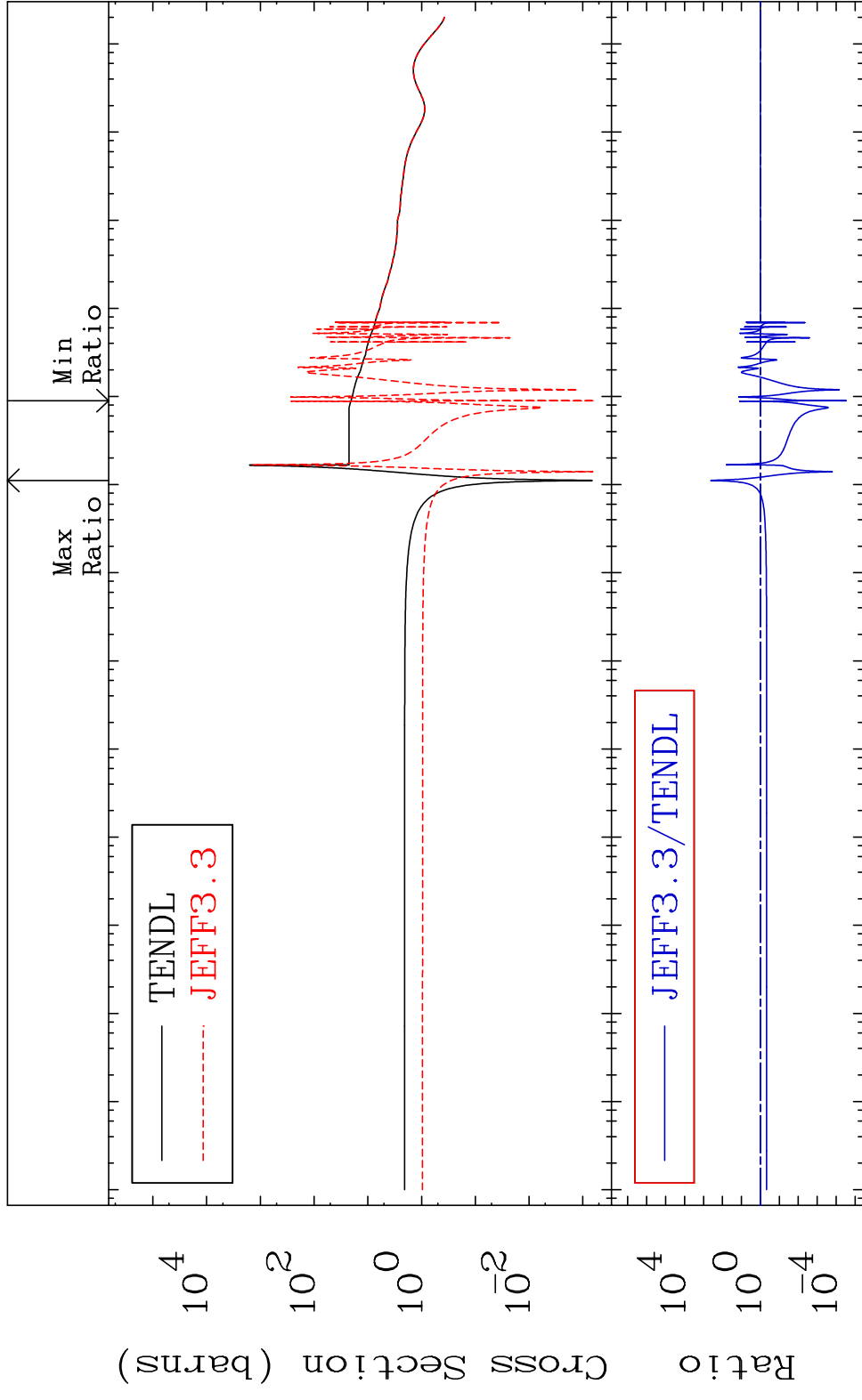
22-Ti-44

MAT 2219

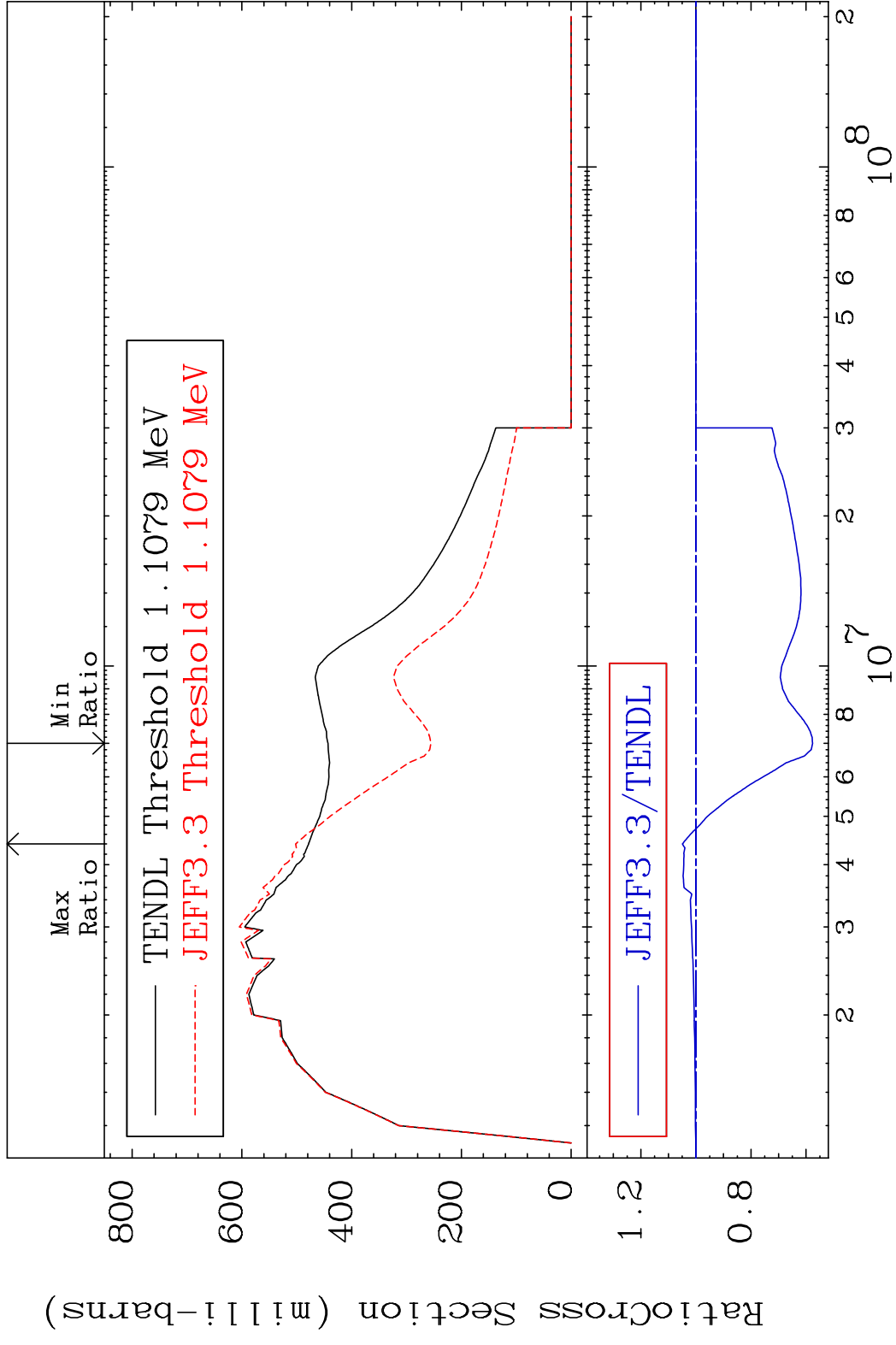
22-Ti-44

Elastic

Cross Section -100.0 To 9999. %



MAT 2219 Inelastic $^{22}\text{Ti-44}$
 Cross Section -42.35 To 4.937 %

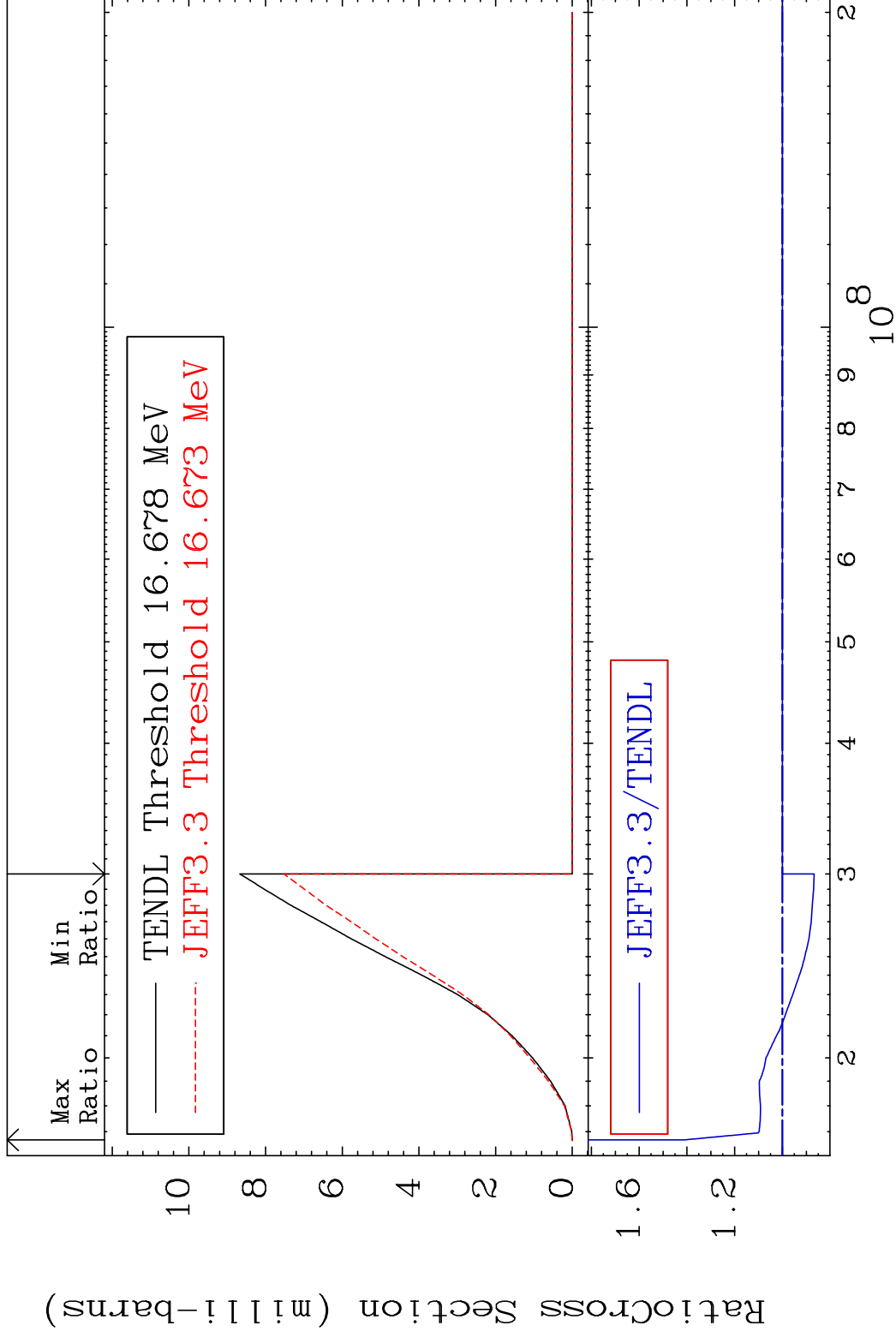


MAT 2219

(n,2n)

²²Ti-44

Cross Section -13.26 To 41.37 %

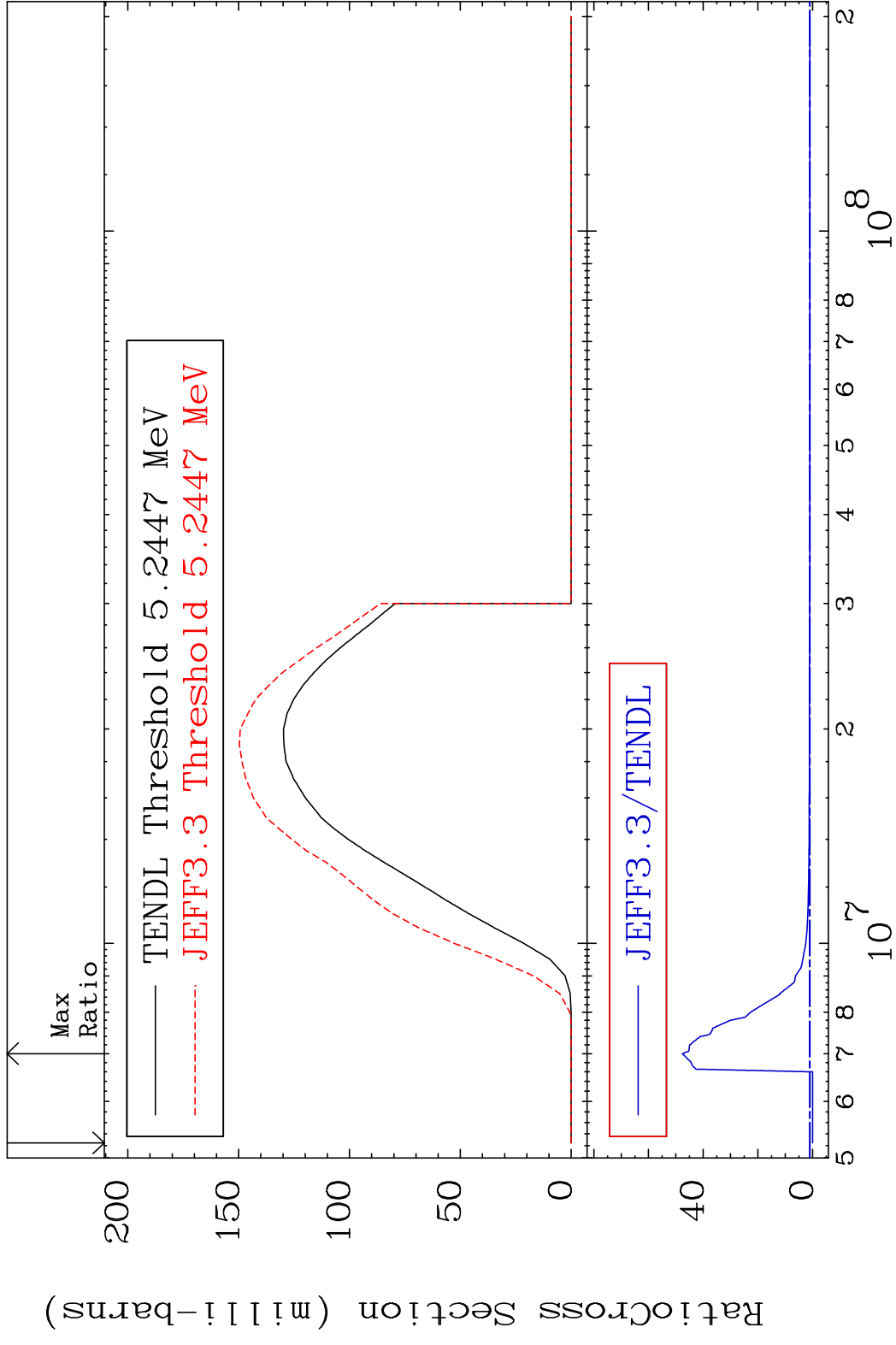


4

Incident Energy (eV)

²²Ti-44

MAT 2219 (n, n') α 22-Ti-44
 Cross Section -100.0 To 4662. %



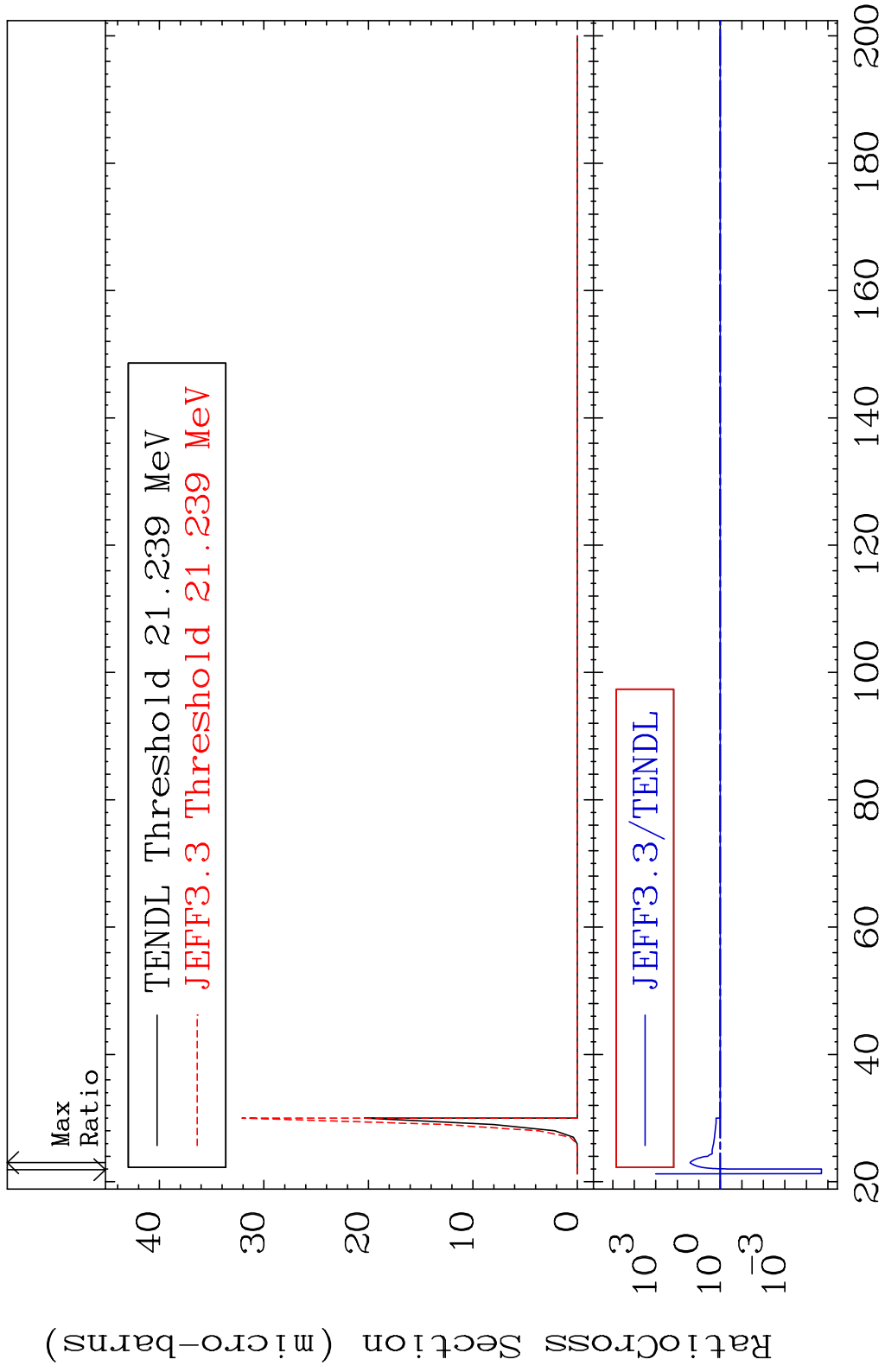
5 6 7 8 10⁷ 10⁸ 2

MAT 2219

(n,2n) α

22-Ti-44

Cross Section -100.0 To 2526. %

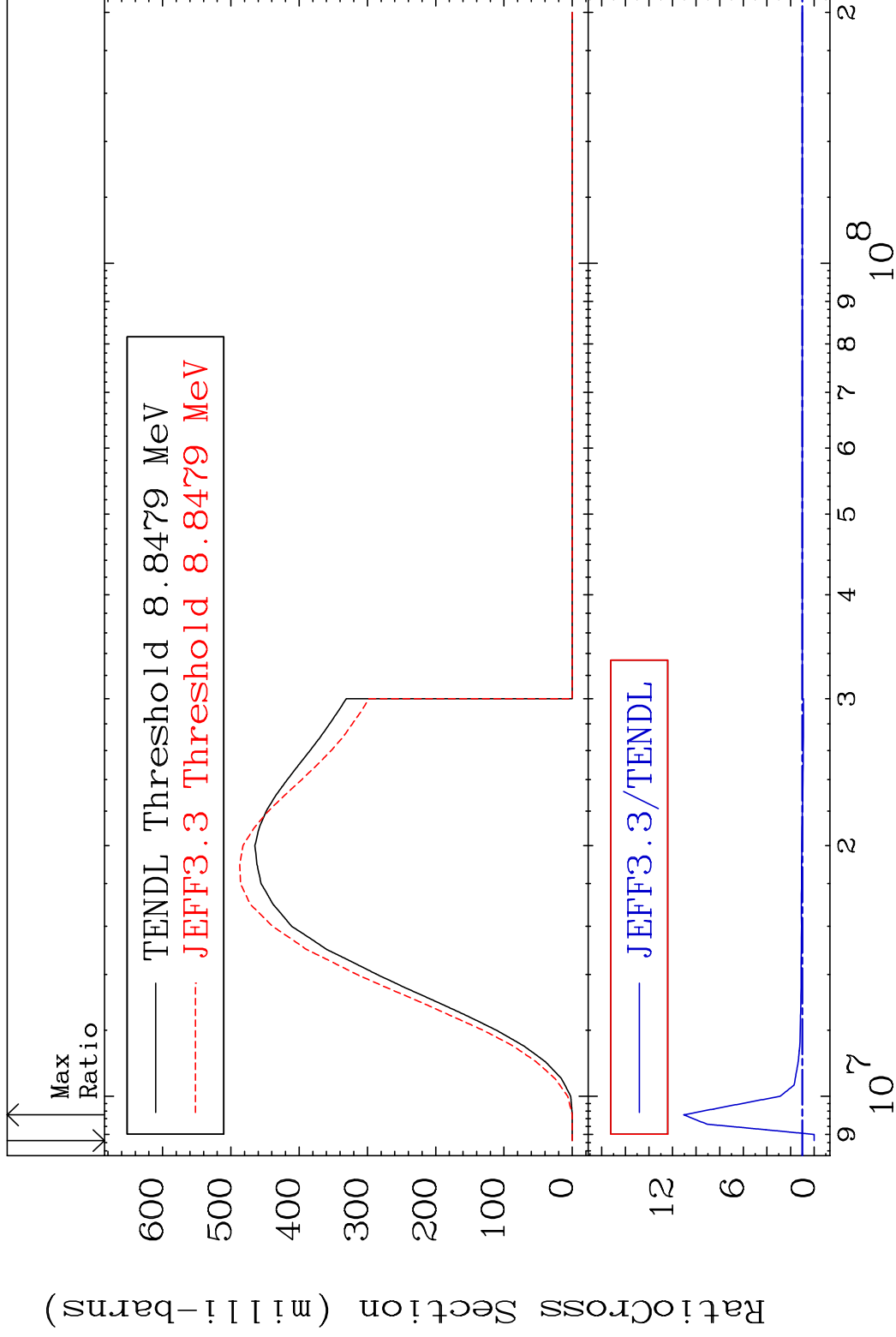


MAT 2219

(n, n') p

²²Ti-44

Cross Section -100.0 To 1006. %

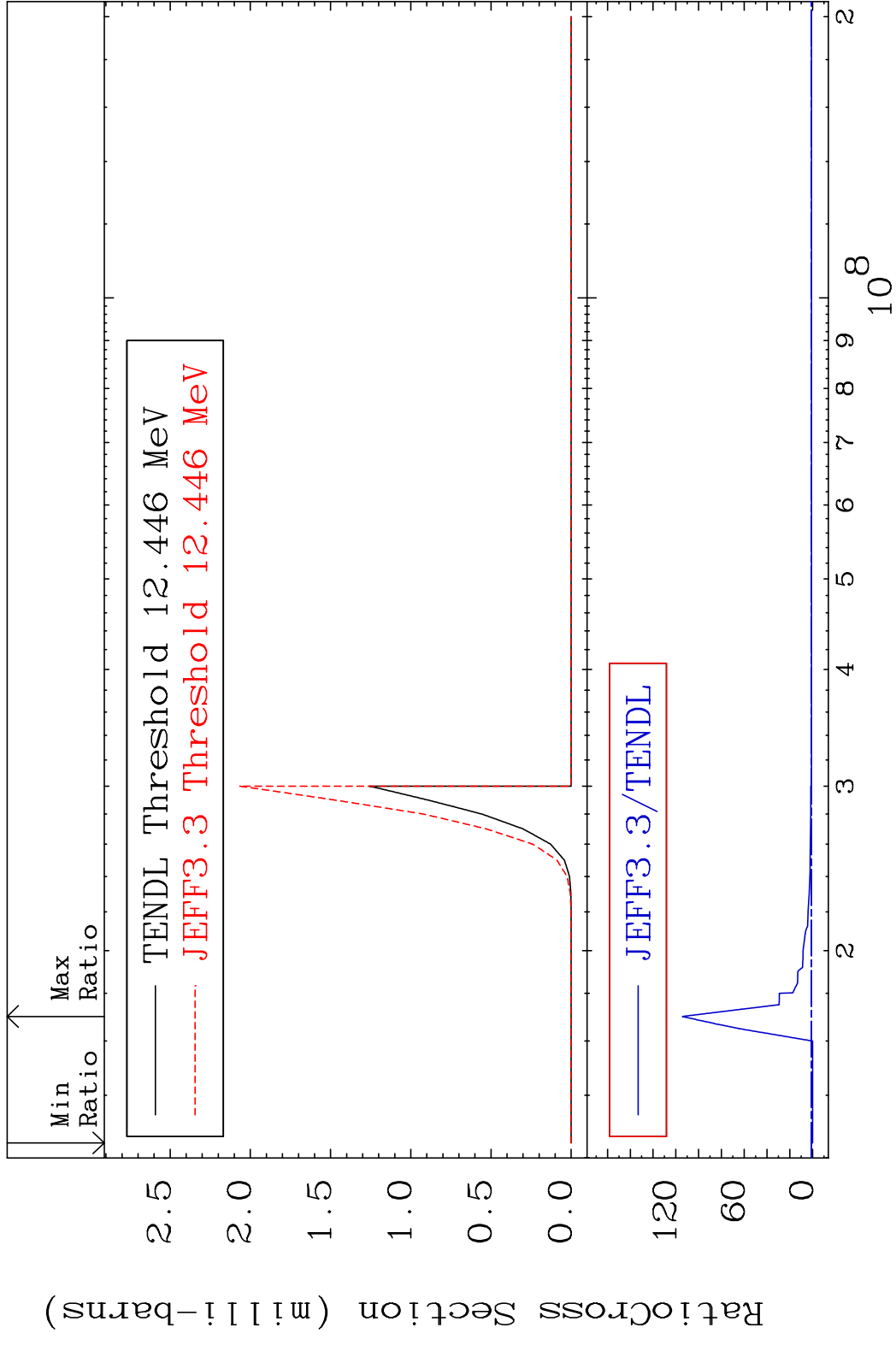


7

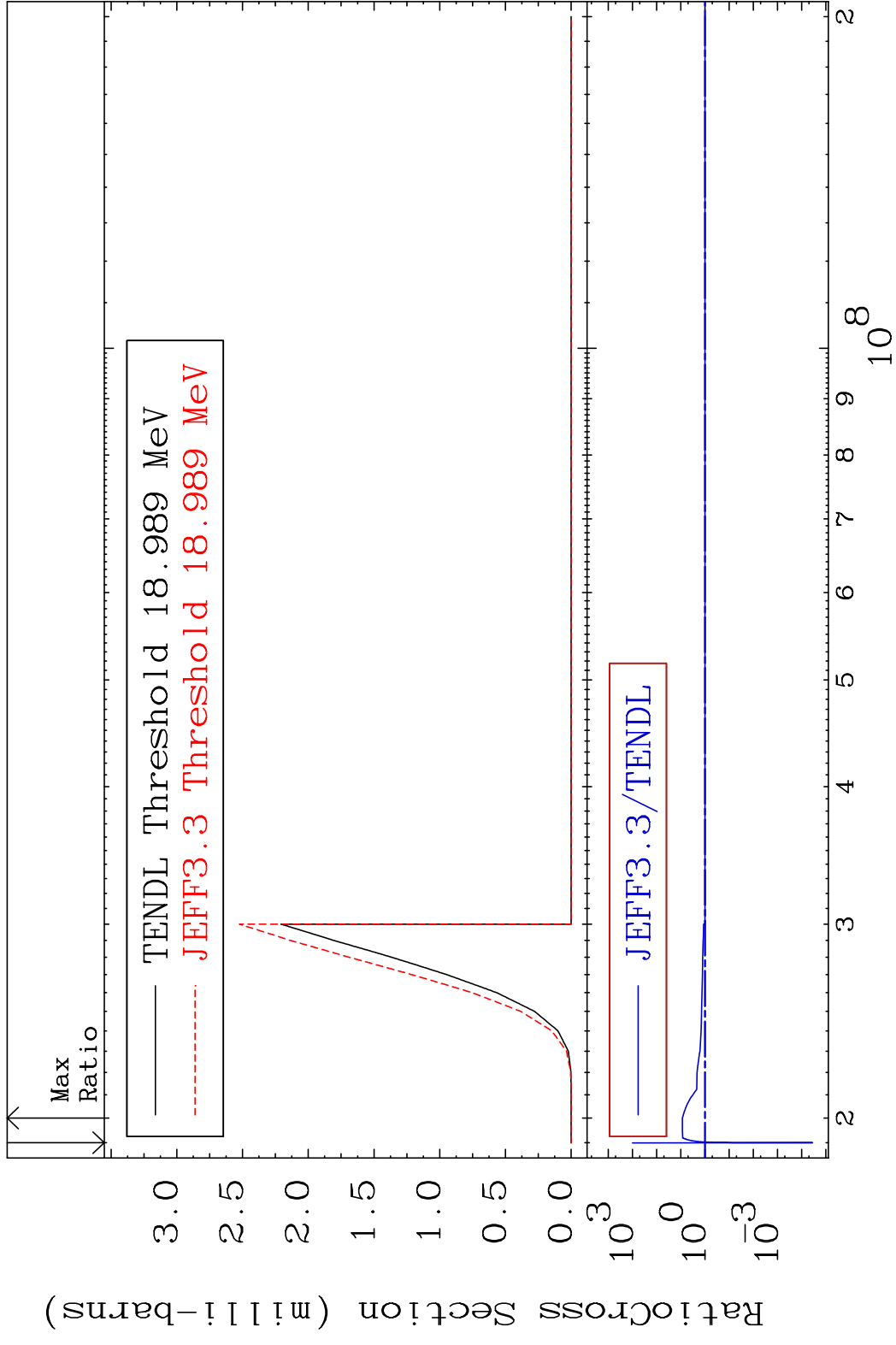
Incident Energy (eV)

²²Ti-44

MAT 2219 (n, n') 2α 22-Ti-44
 Cross Section -100.0 To 9999. %



MAT 2219 (n, n') d 22-Ti-44
 Cross Section -100.0 To 763.6 %

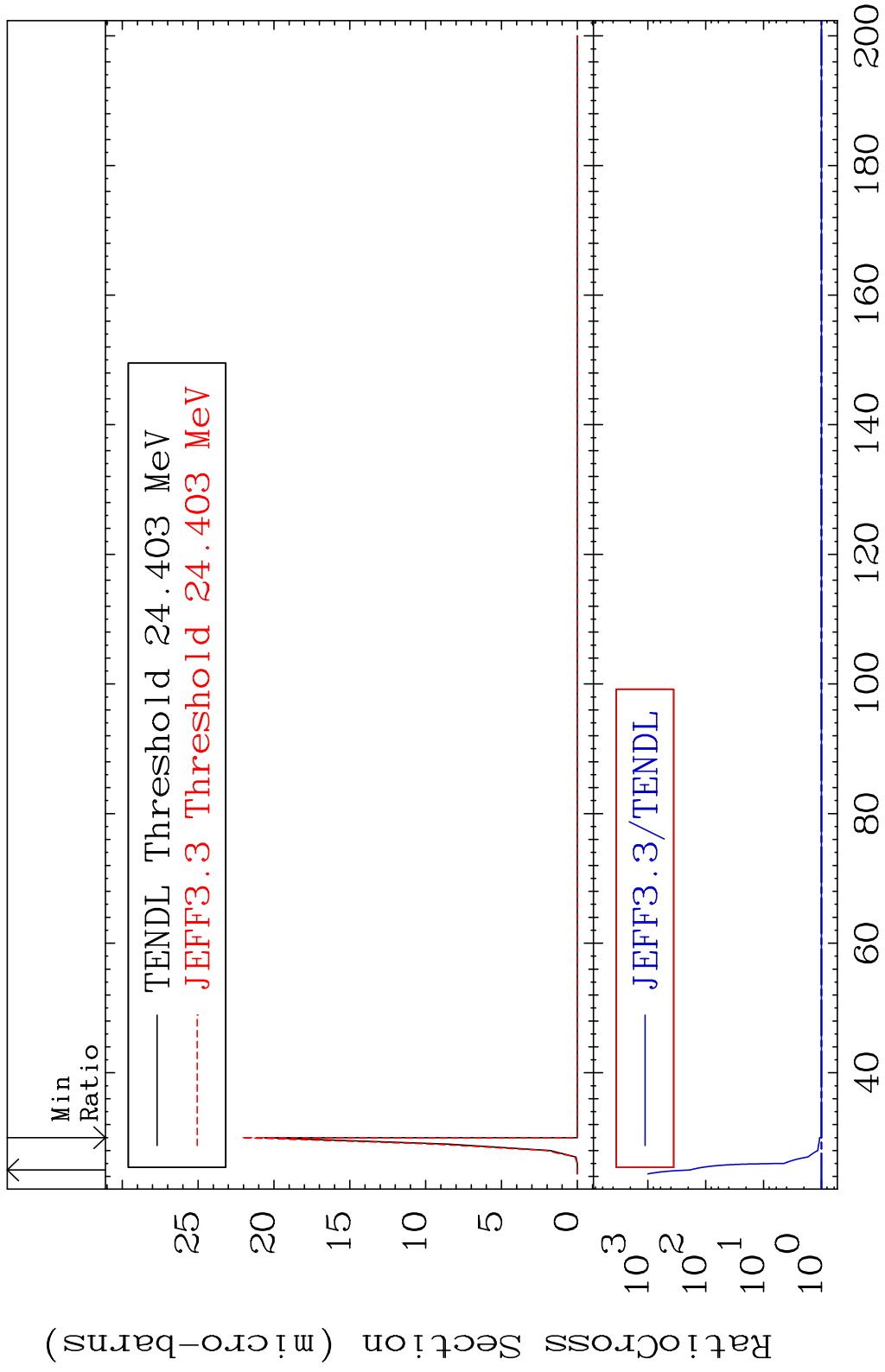


MAT 2219

(n, n') t

22-Ti-44

Cross Section 0.000 To 9999. %

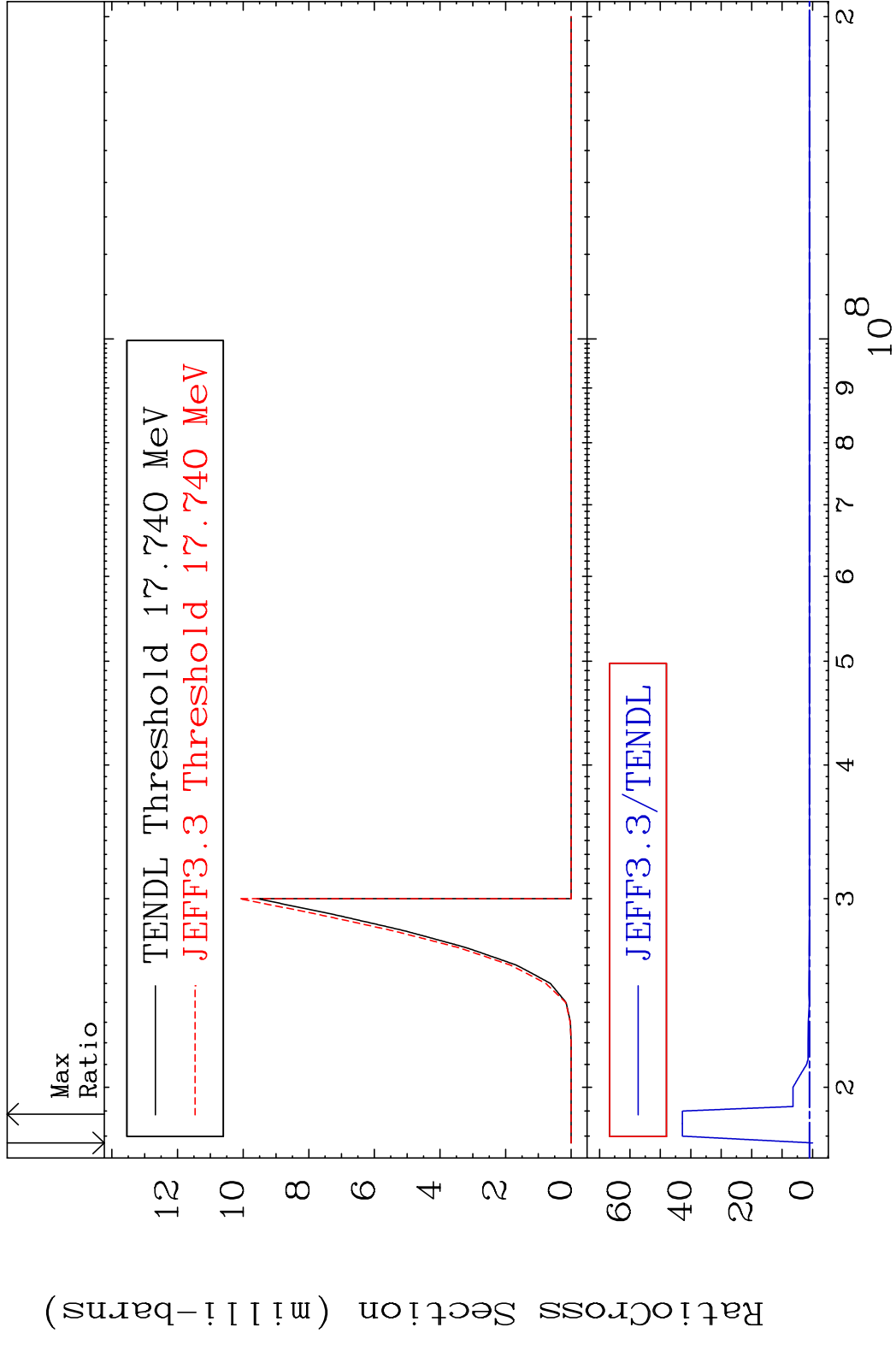


10

Incident Energy (MeV)

22-Ti-44

MAT 2219 (n,n') He-3 22-Ti-44
 Cross Section -100.0 To 4178. %

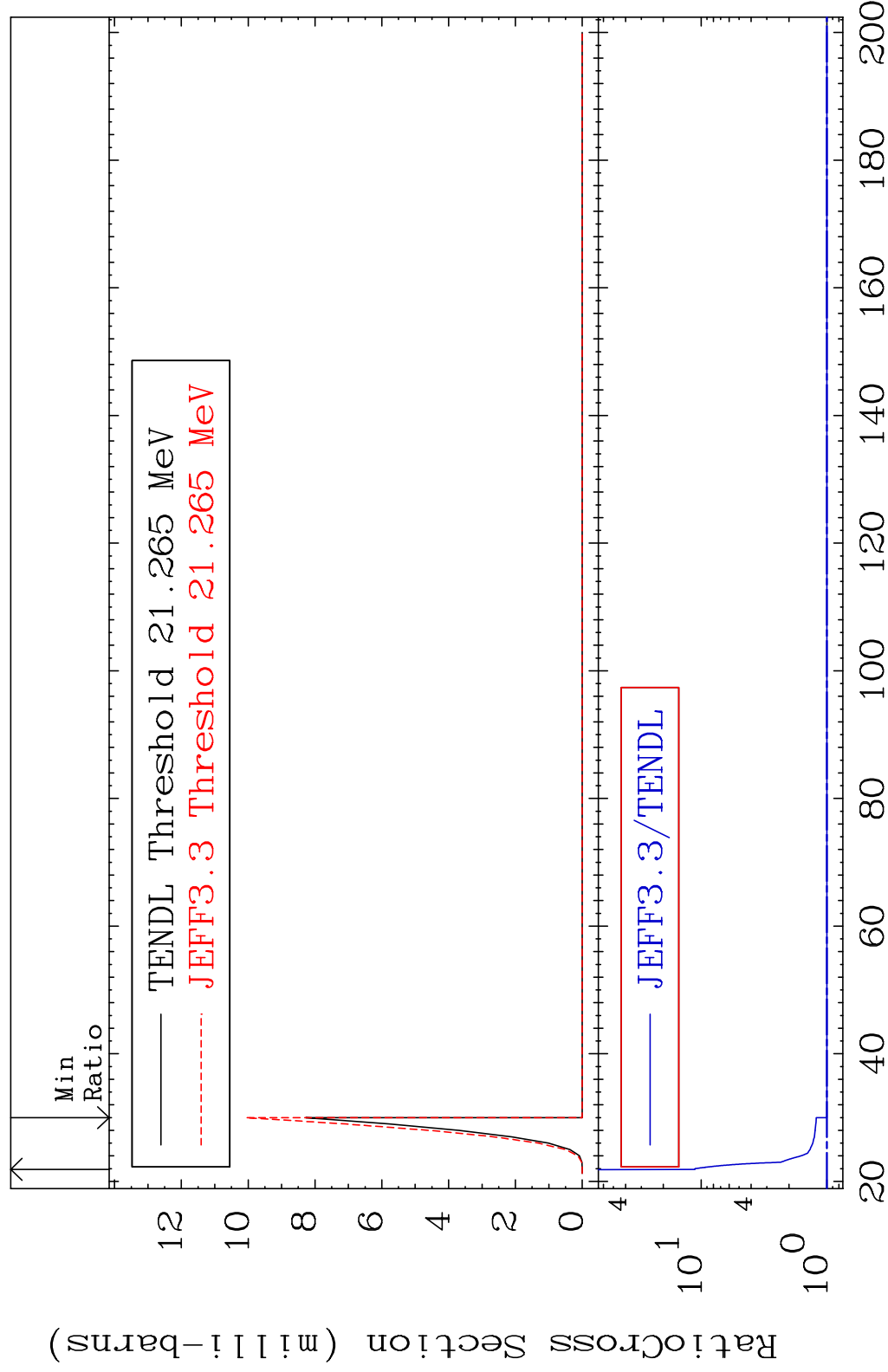


MAT 2219

(n,2n) p

²²Ti-44

Cross Section 0.000 To 1022. %

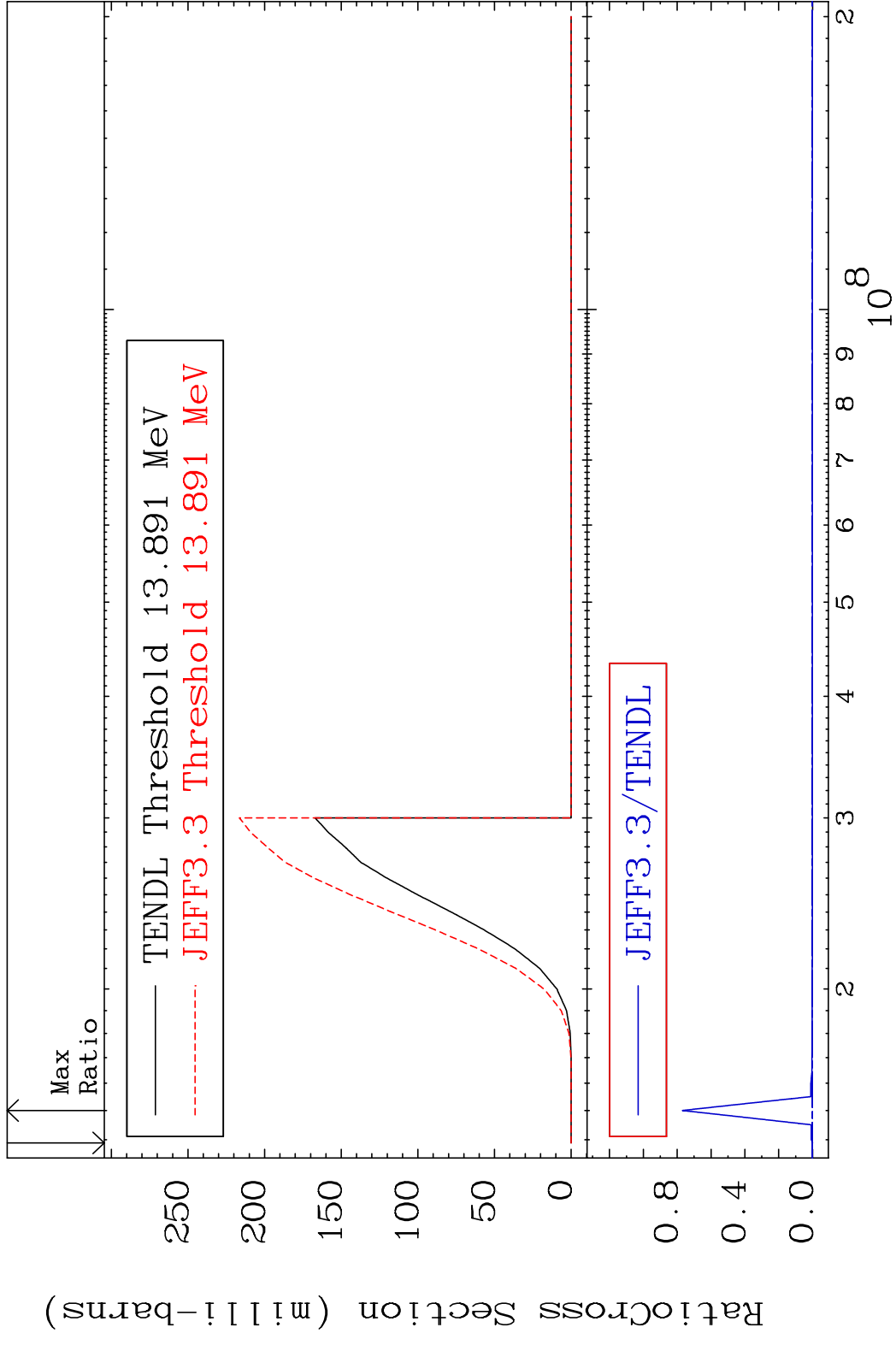


12

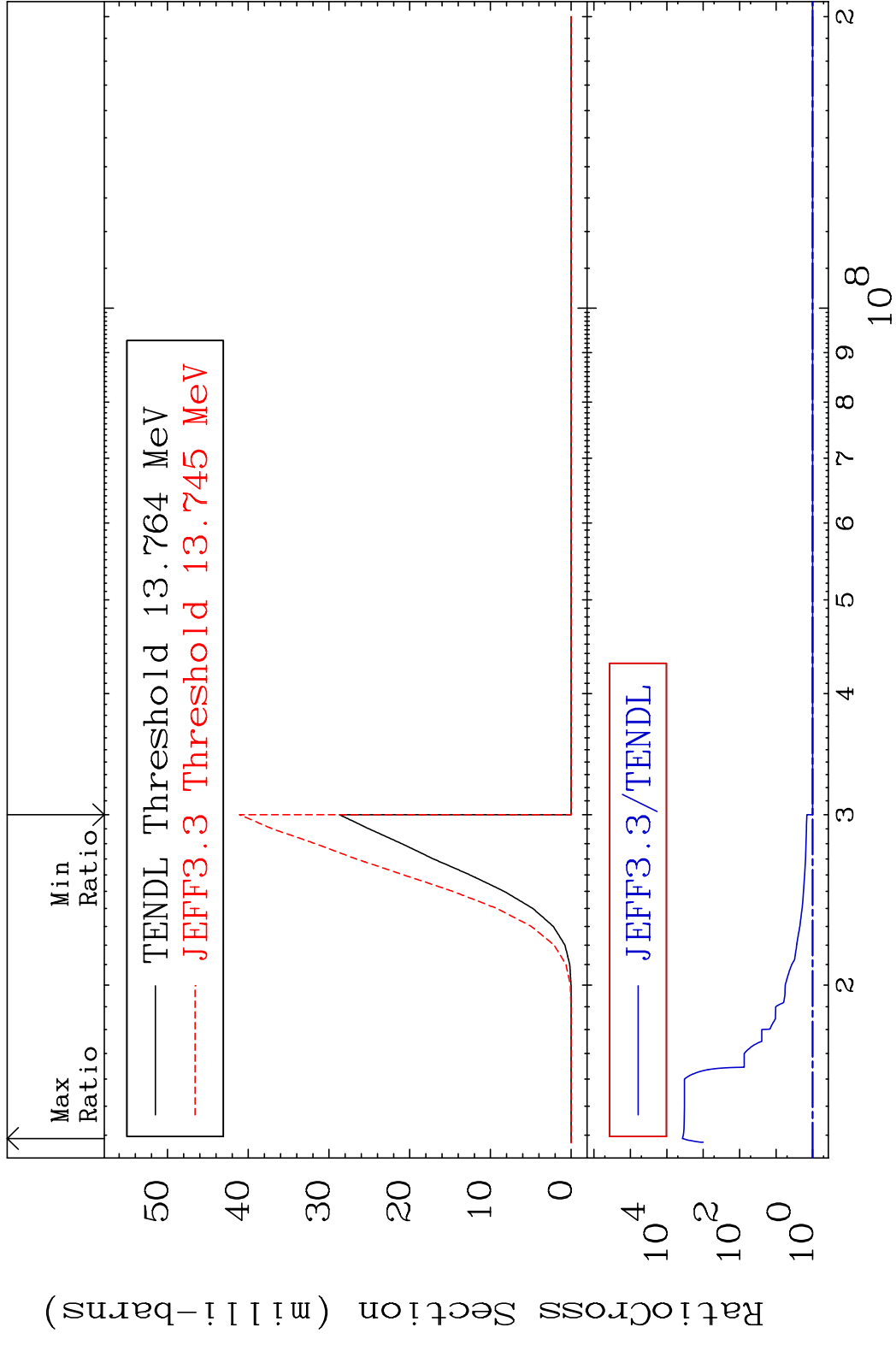
Incident Energy (MeV)

²²Ti-44

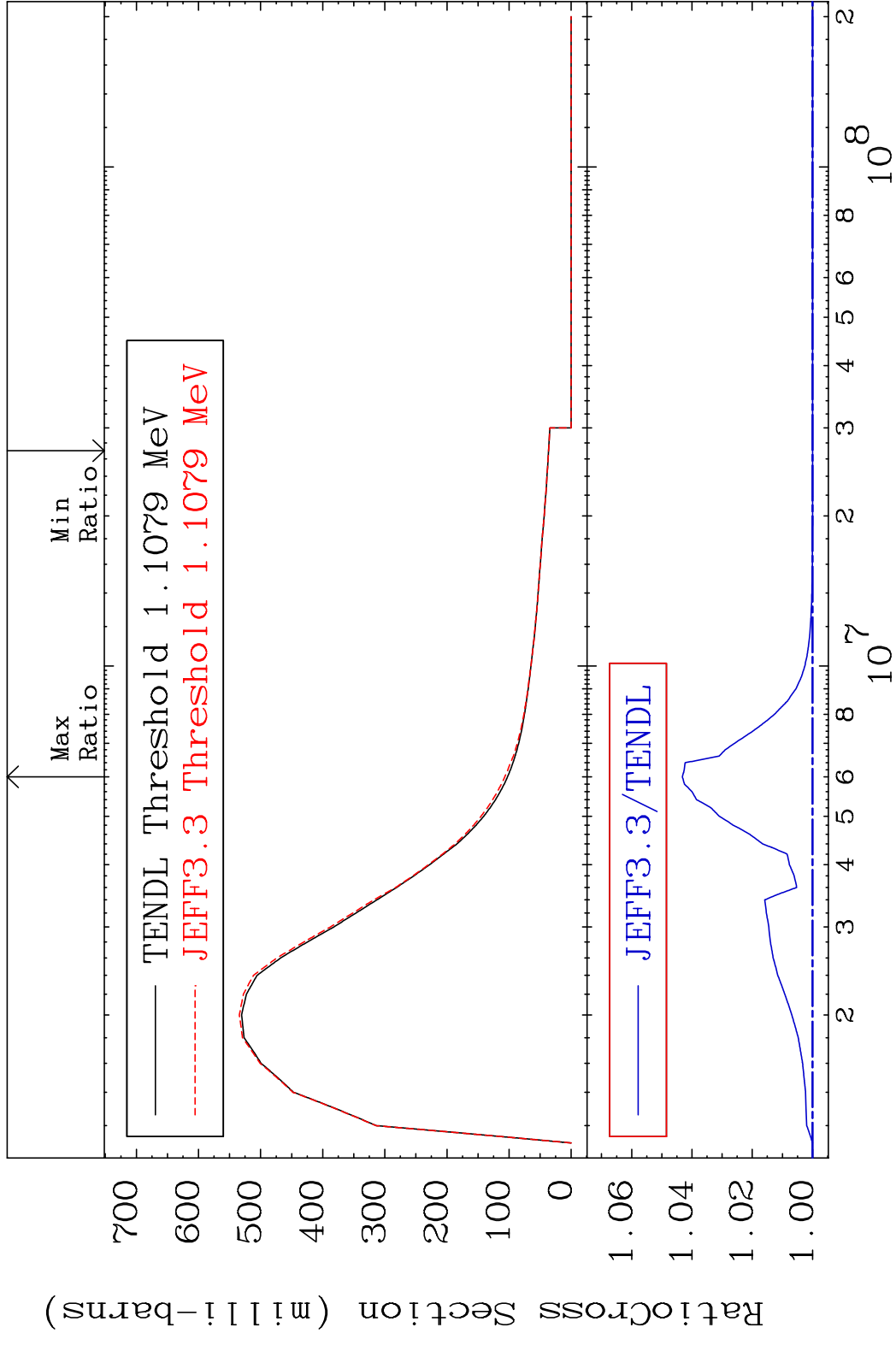
MAT 2219 (n,2n) p 22-Ti-44
 Cross Section -100.0 To 9999. %



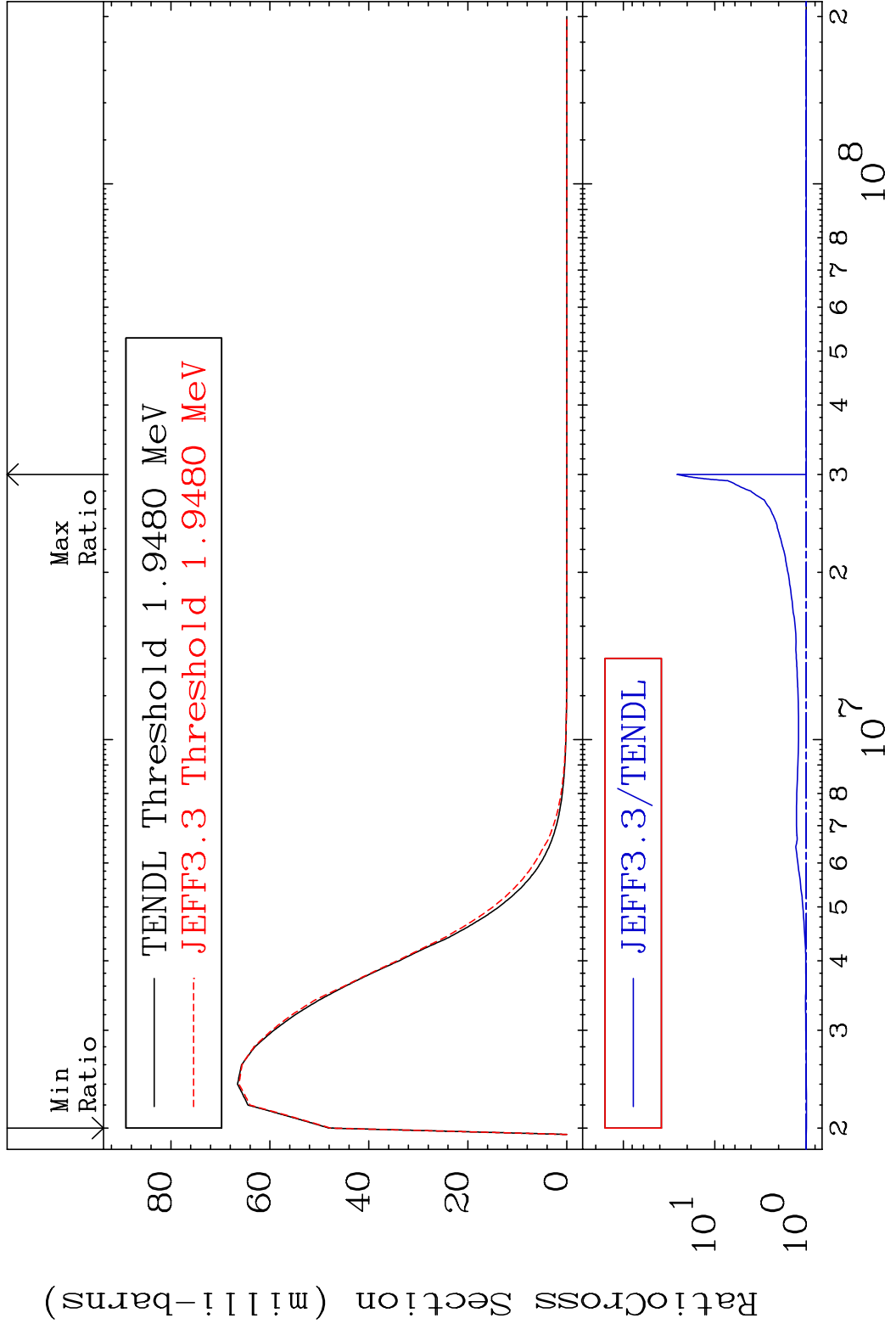
MAT 2219 (n,n') p α 22-Ti-44
 Cross Section 0.000 To 9999. %



MAT 2219 MT= 51 (n,n') Level 22-Ti-44
 Cross Section 0.000 To 4.319 %

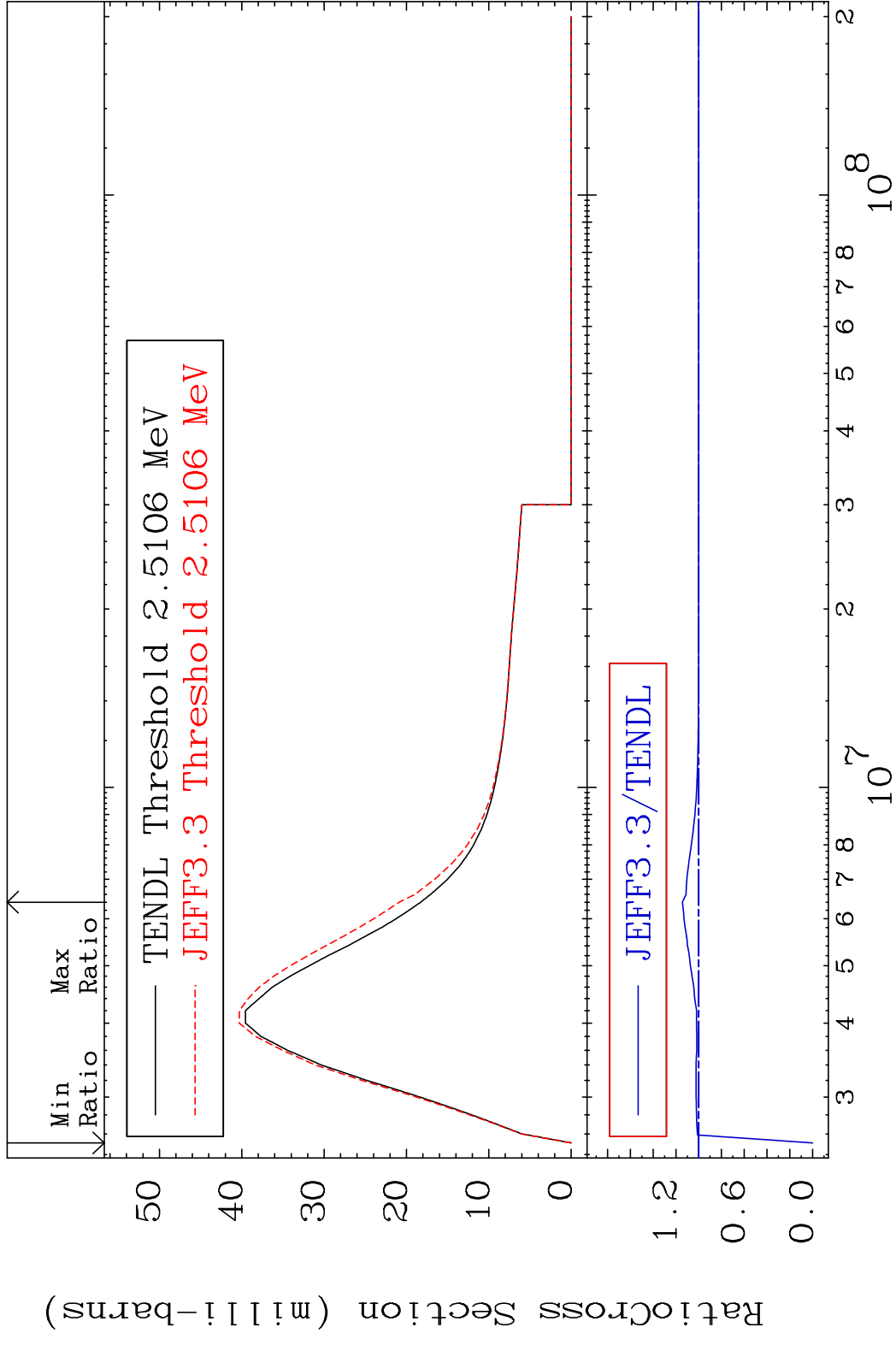


MAT 2219 MT= 52 (n, n') Level 22-Ti-44
 Cross Section -0.620 To 2474. %

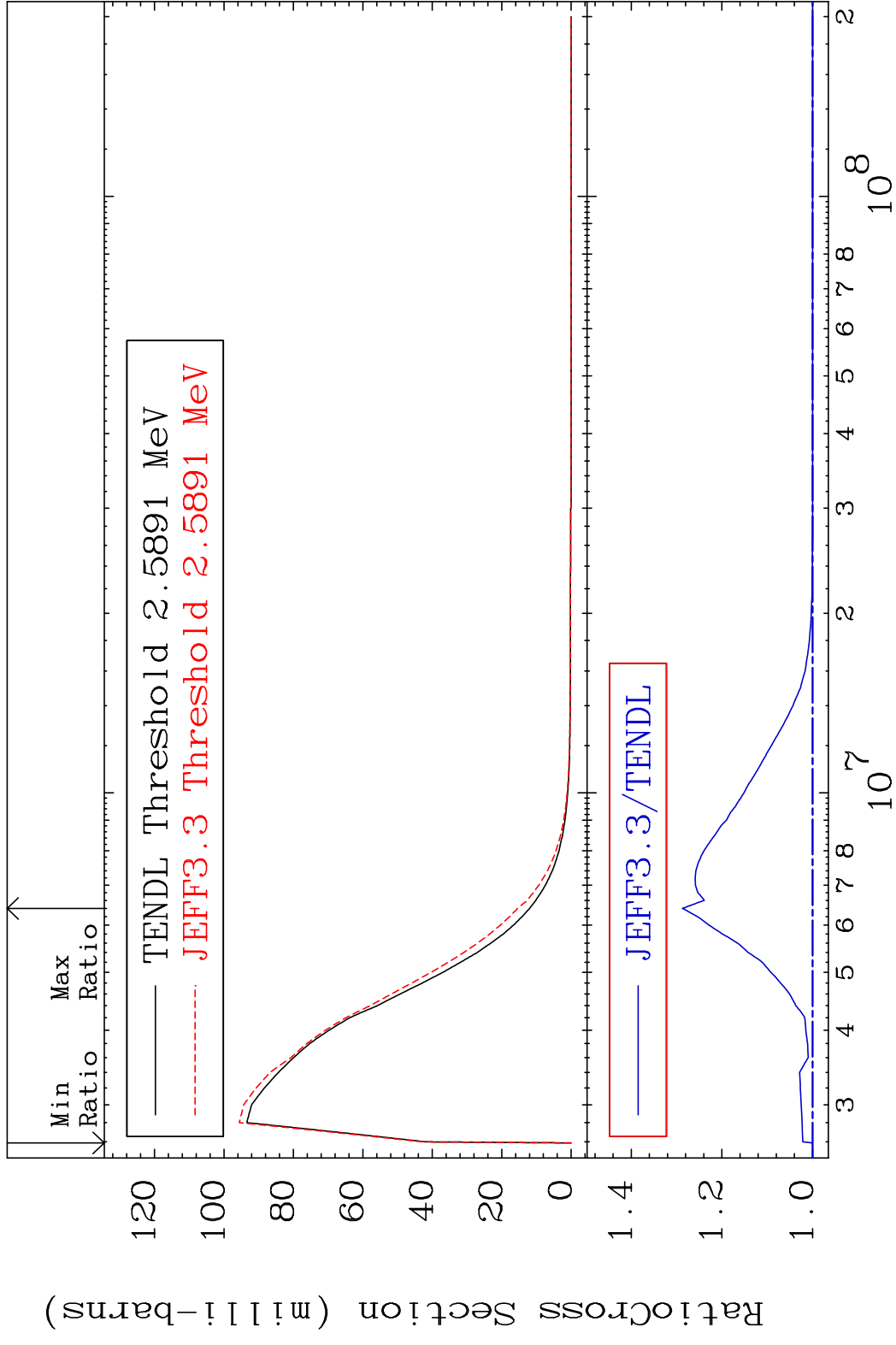


16 Incident Energy (eV) 22-Ti-44

MAT 2219 MT= 53 (n, n') Level 22-Ti-44
 Cross Section -100.0 To 14.35 %

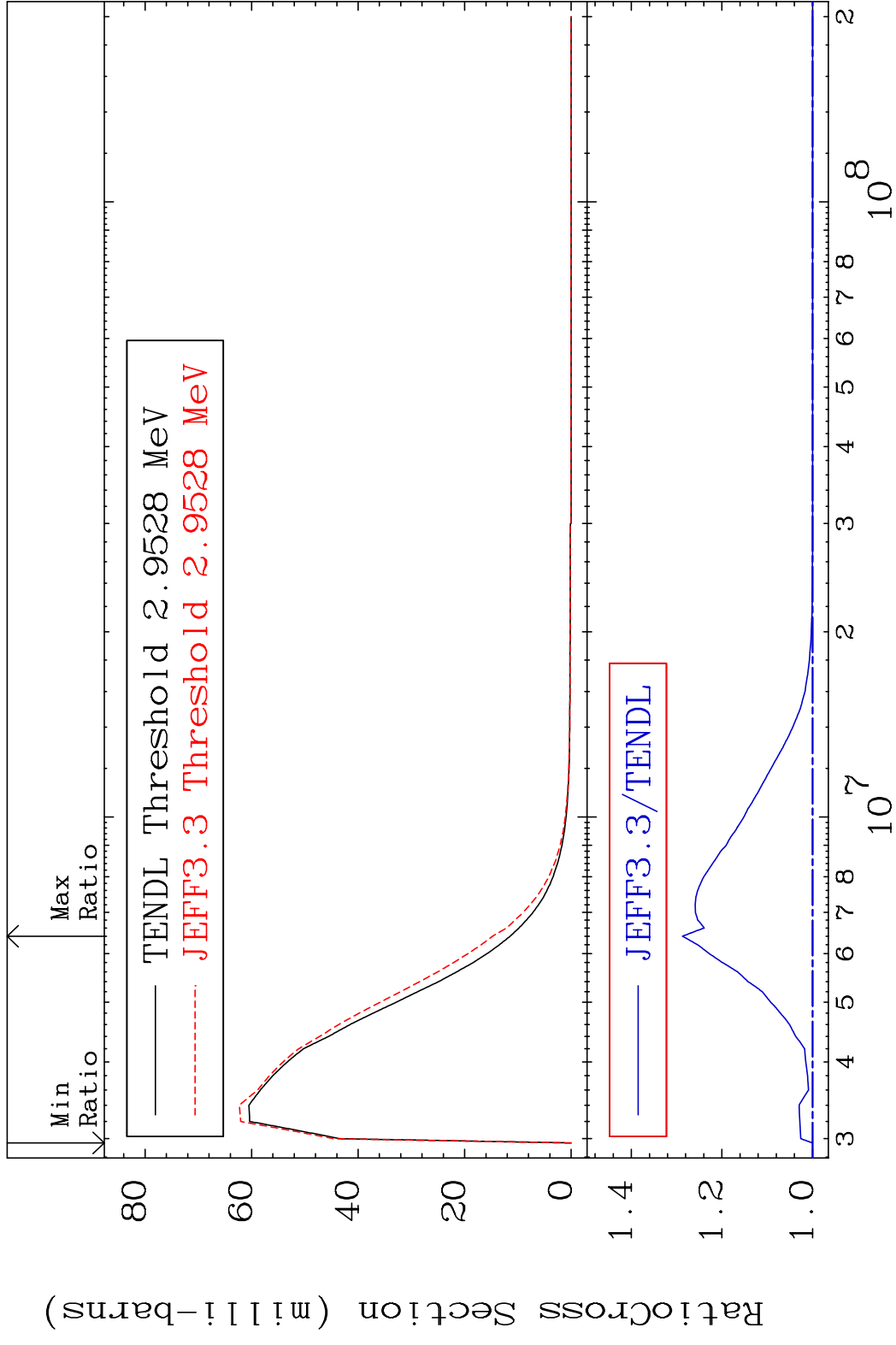


MAT 2219 MT= 54 (n, n') Level 22-Ti-44
 Cross Section 0.000 To 28.72 %

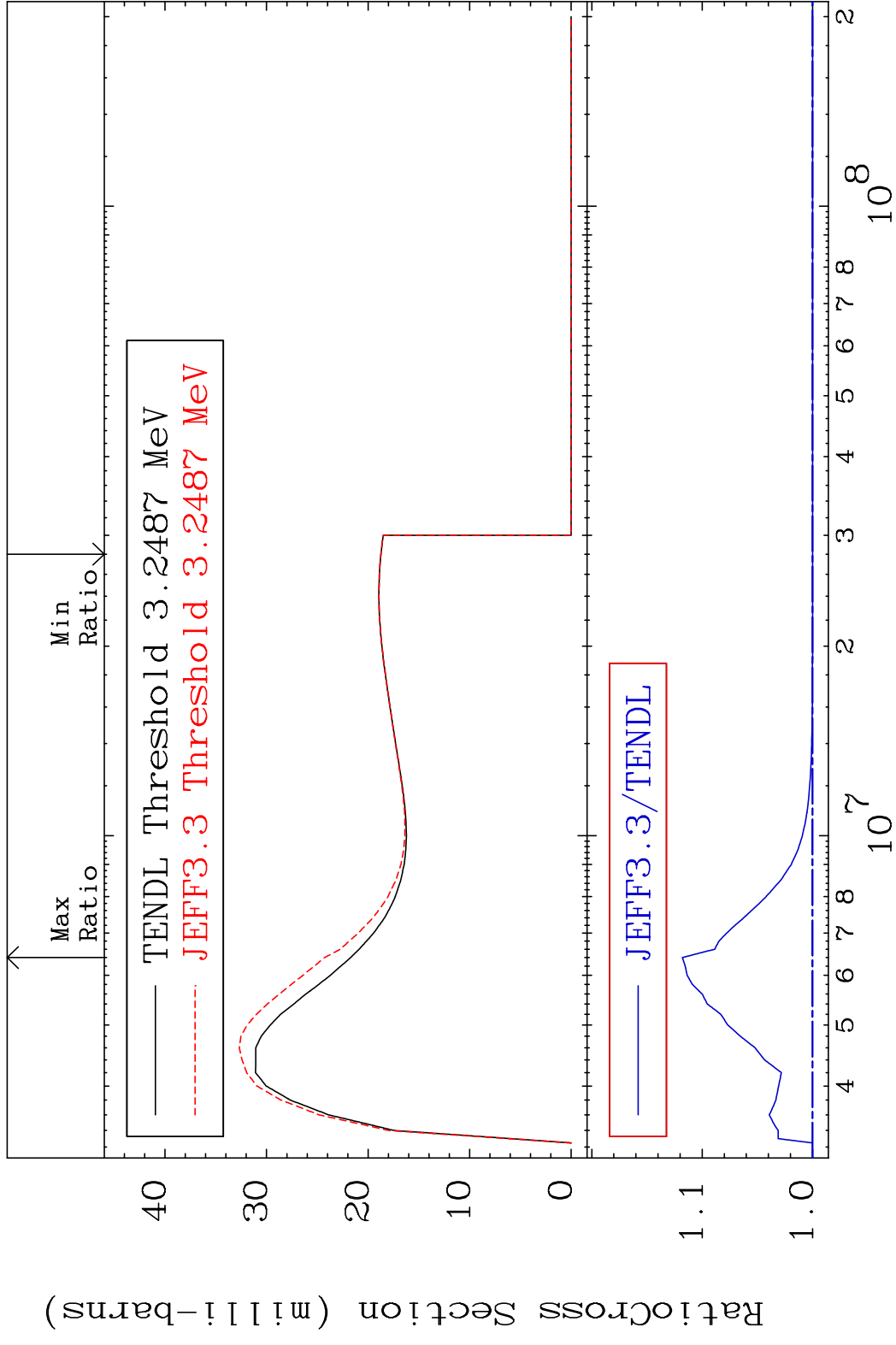


18 Incident Energy (eV) 22-Ti-44

MAT 2219 MT= 55 (n,n') Level 22-Ti-44
 Cross Section 0.000 To 28.74 %

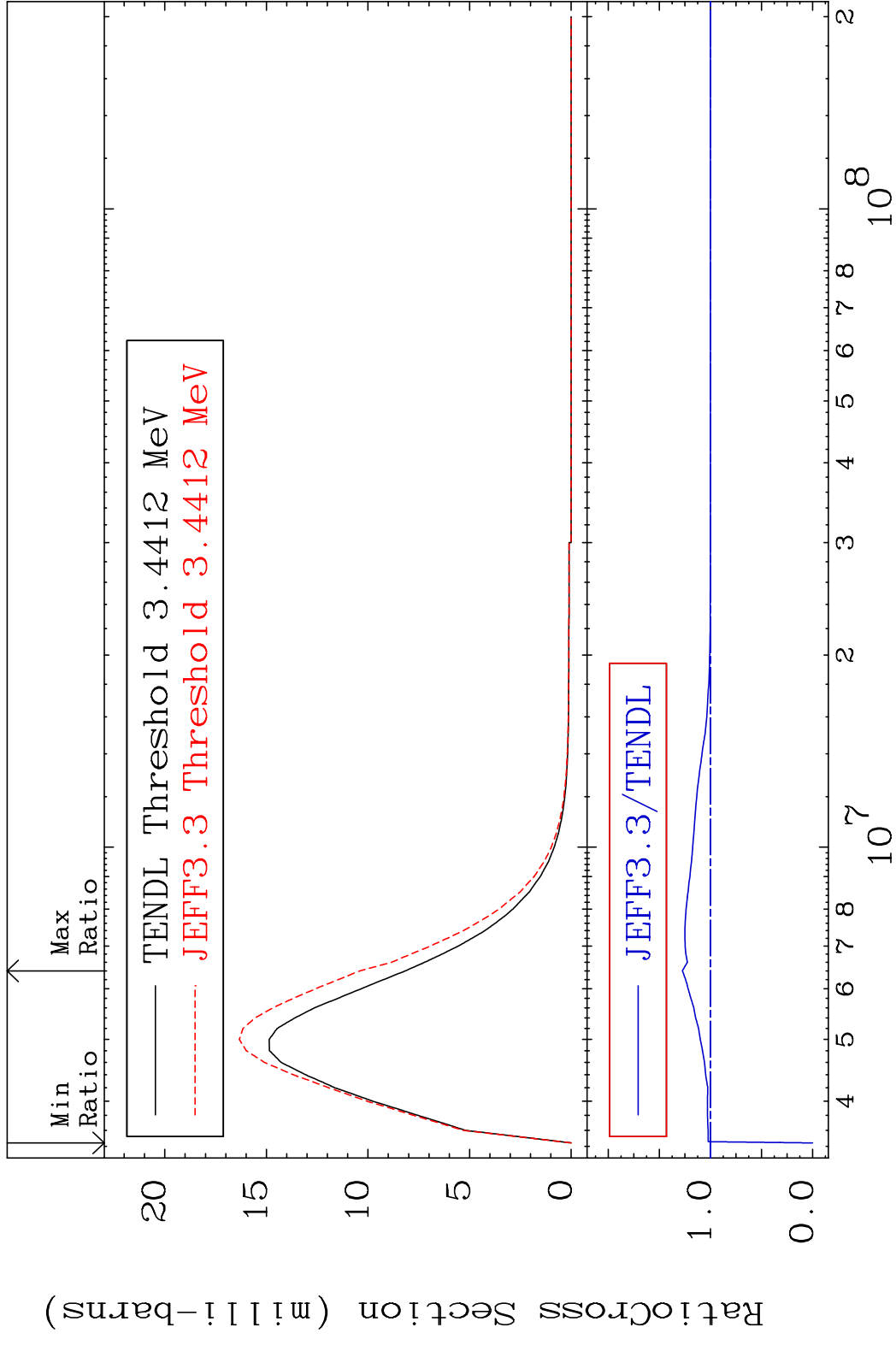


MAT 2219 MT= 56 (n, n') Level 22-Ti-44
 Cross Section 0.000 To 11.79 %

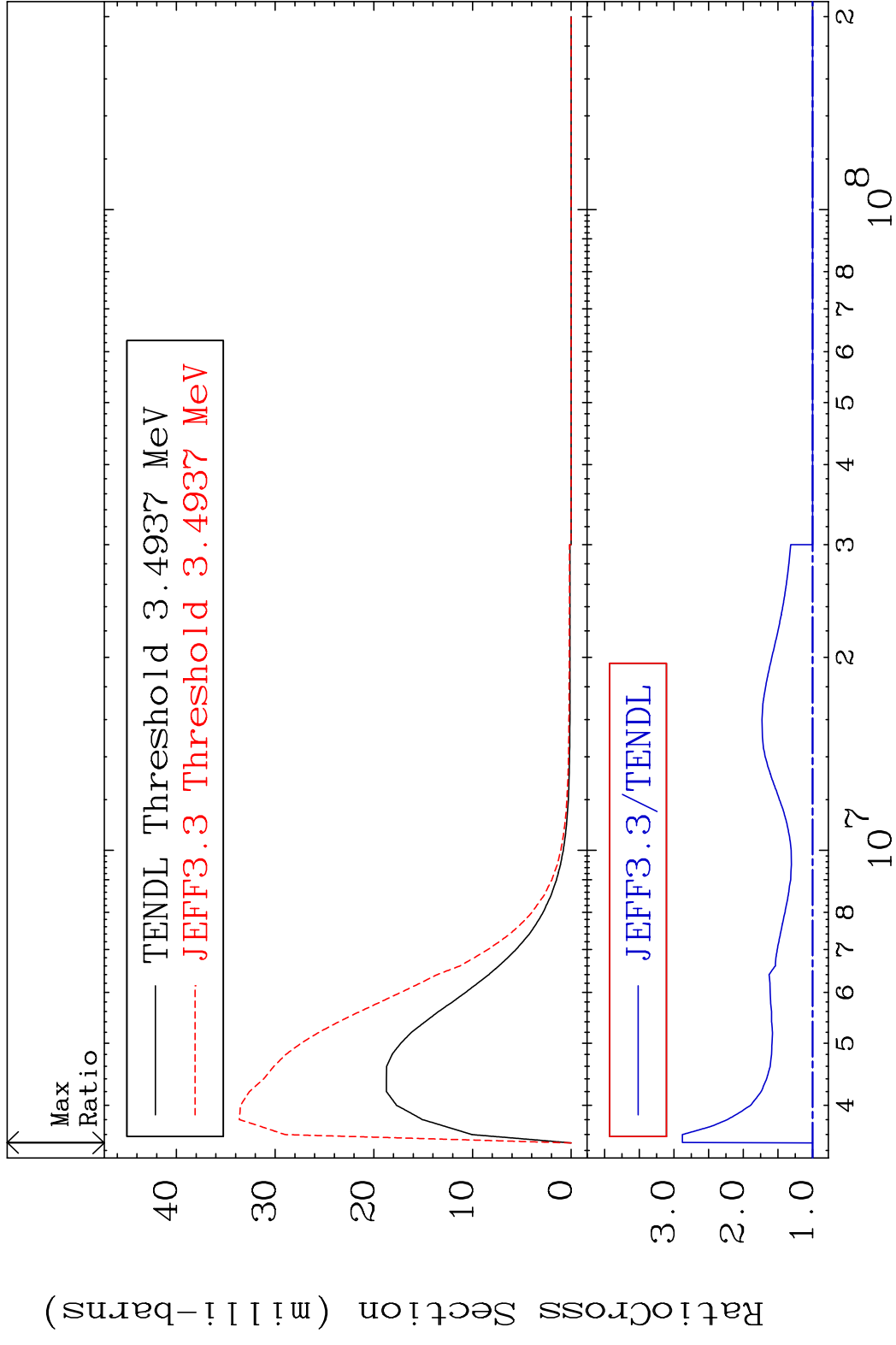


20 Incident Energy (eV) 22-Ti-44

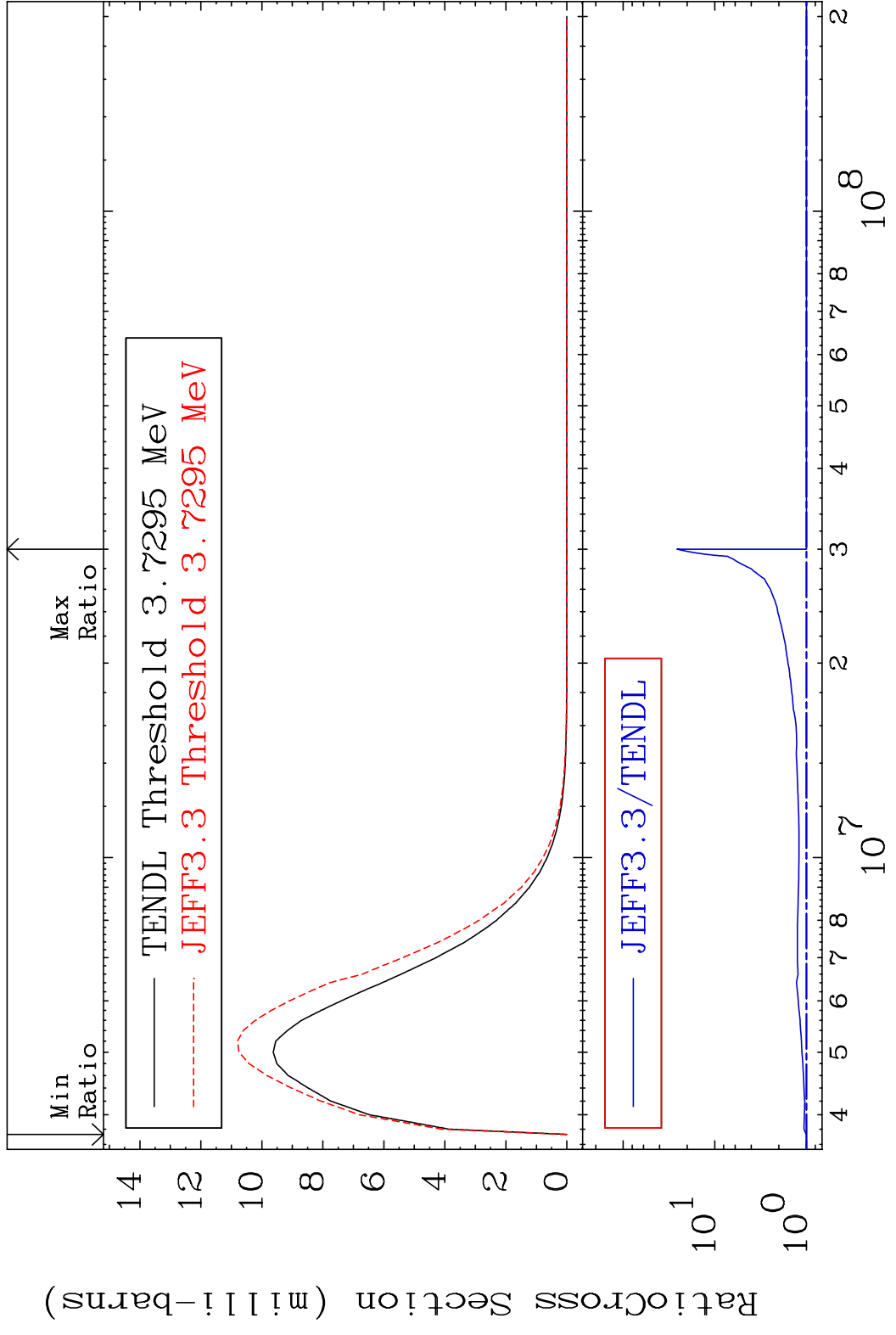
MAT 2219 MT= 57 (n, n') Level 22-Ti-44
 Cross Section -100.0 To 27.43 %



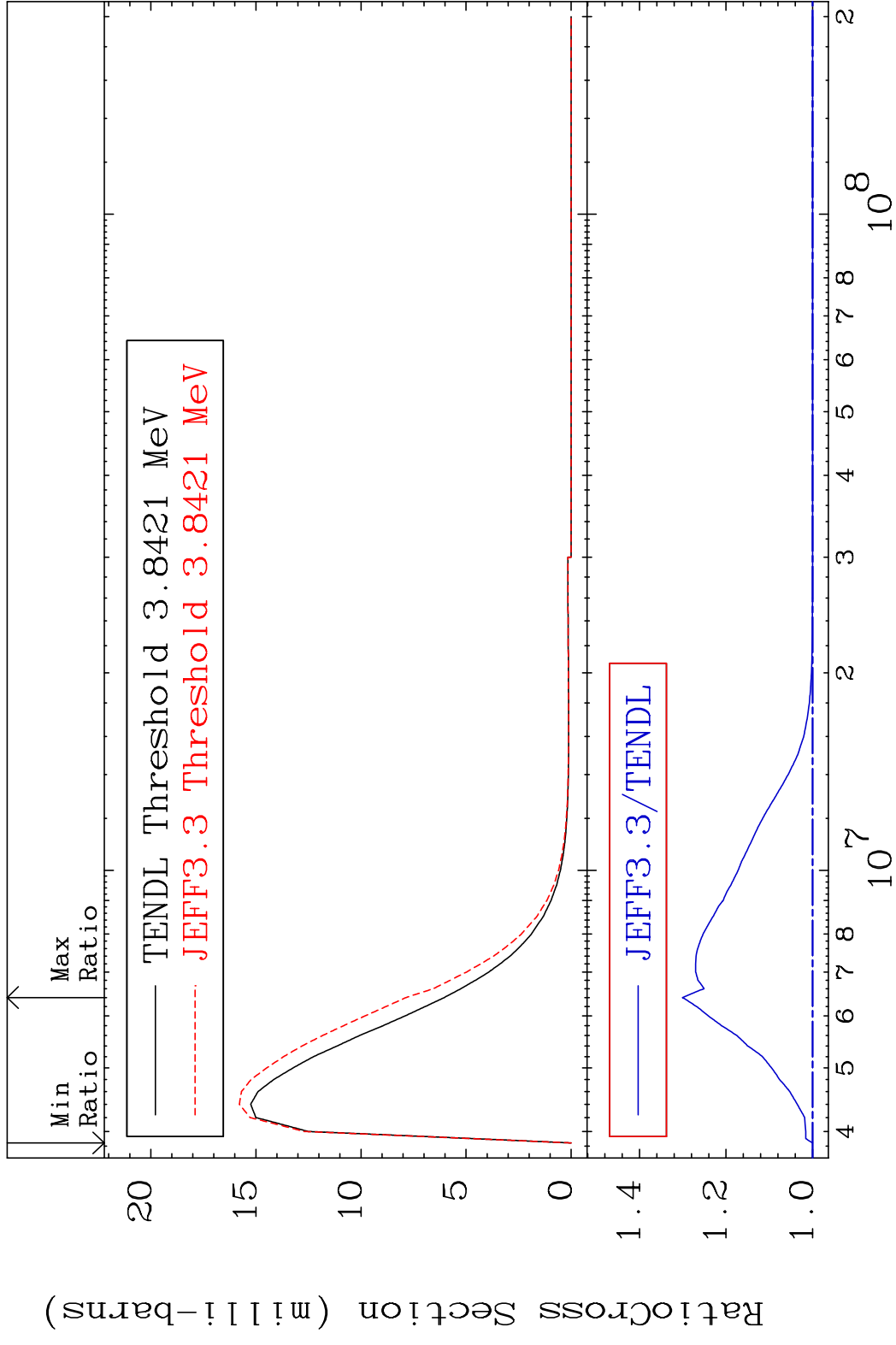
MAT 2219 MT= 58 (n,n') Level 22-Ti-44
 Cross Section 0.000 To 187.9 %



MAT 2219 MT= 59 (n, n') Level 22-Ti-44
 Cross Section 0.000 To 2476. %

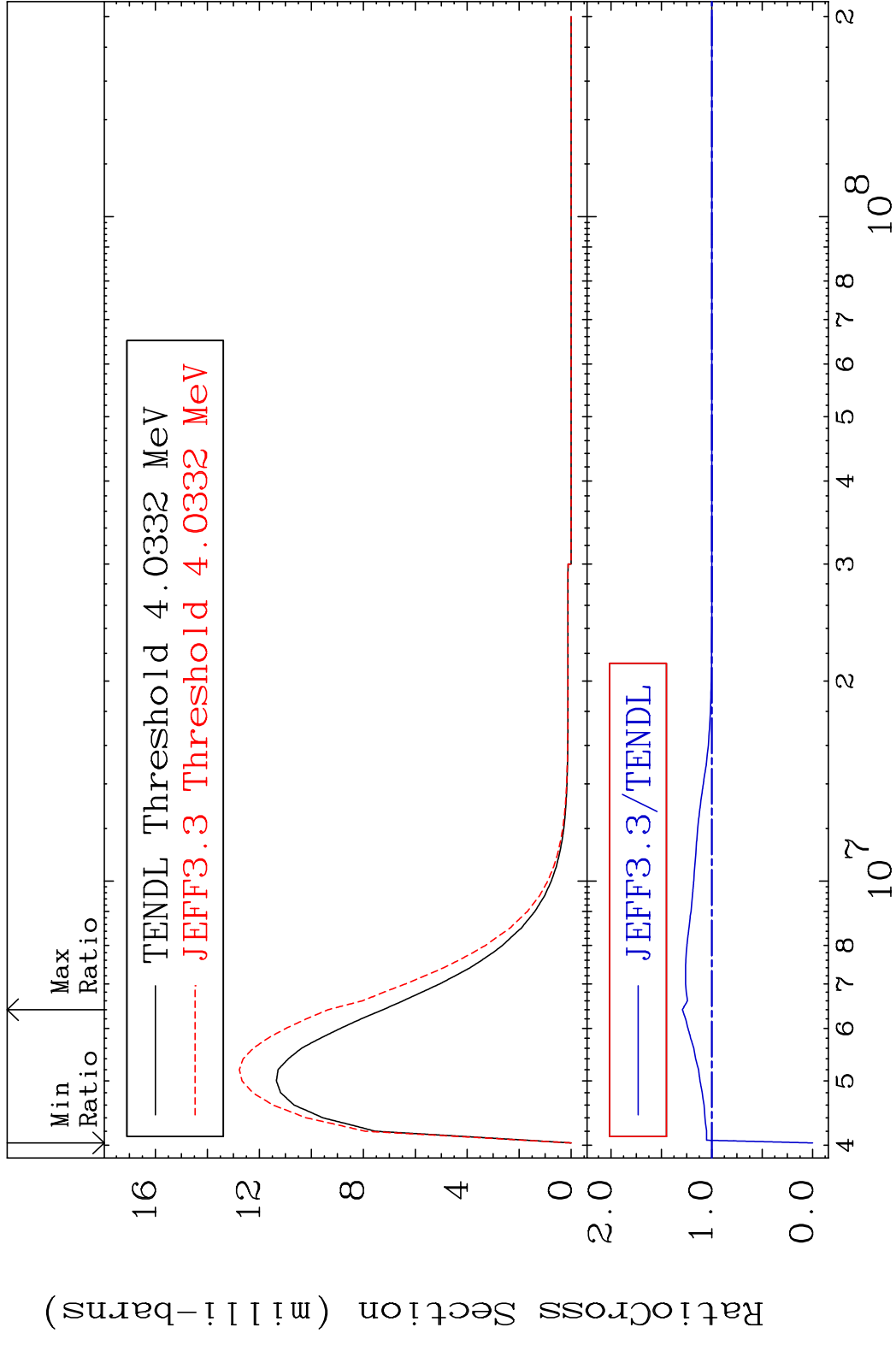


MAT 2219 MT= 60 (n, n') Level 22-Ti-44
 Cross Section 0.000 To 30.10 %

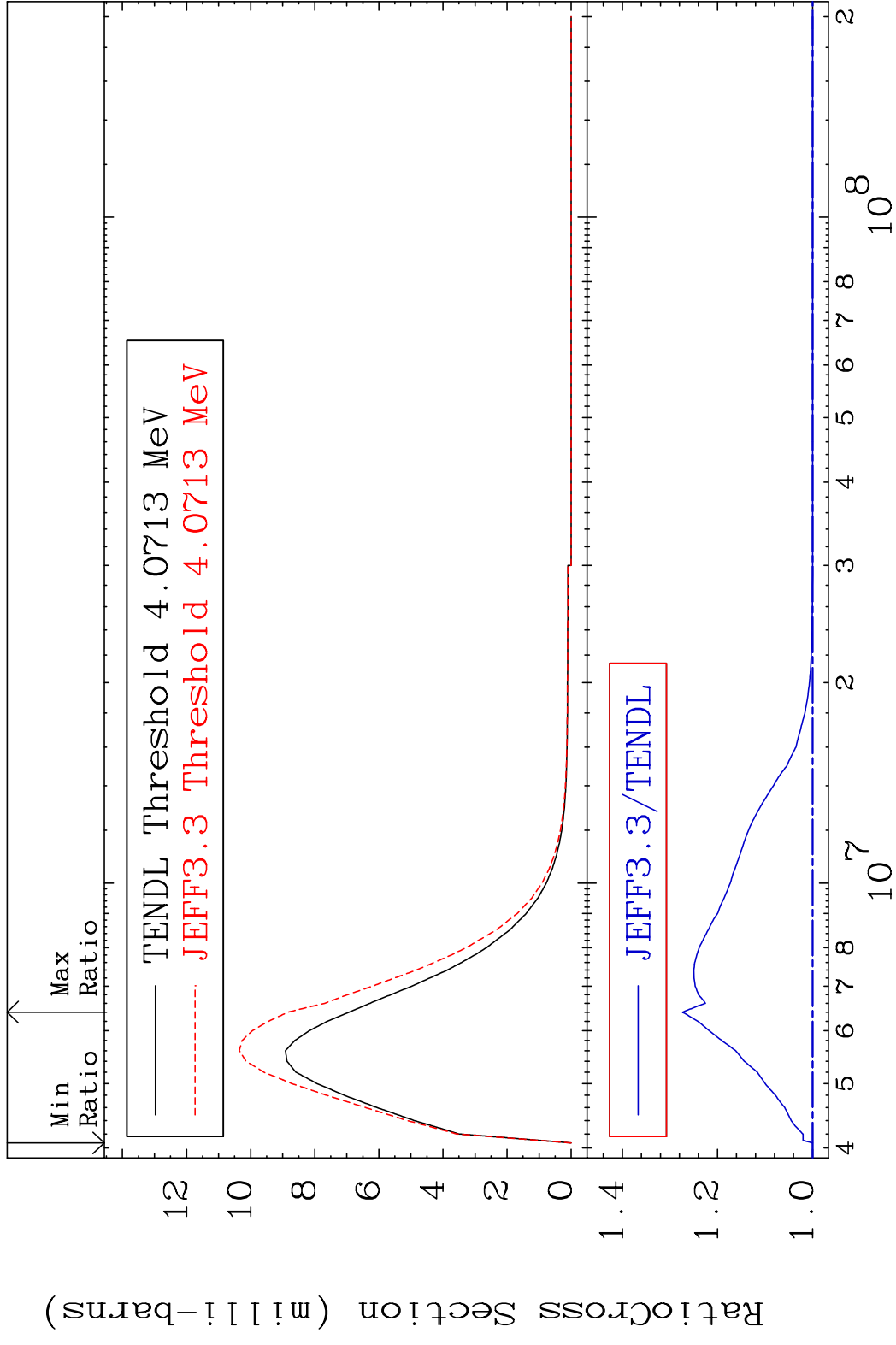


24 Incident Energy (eV) 22-Ti-44

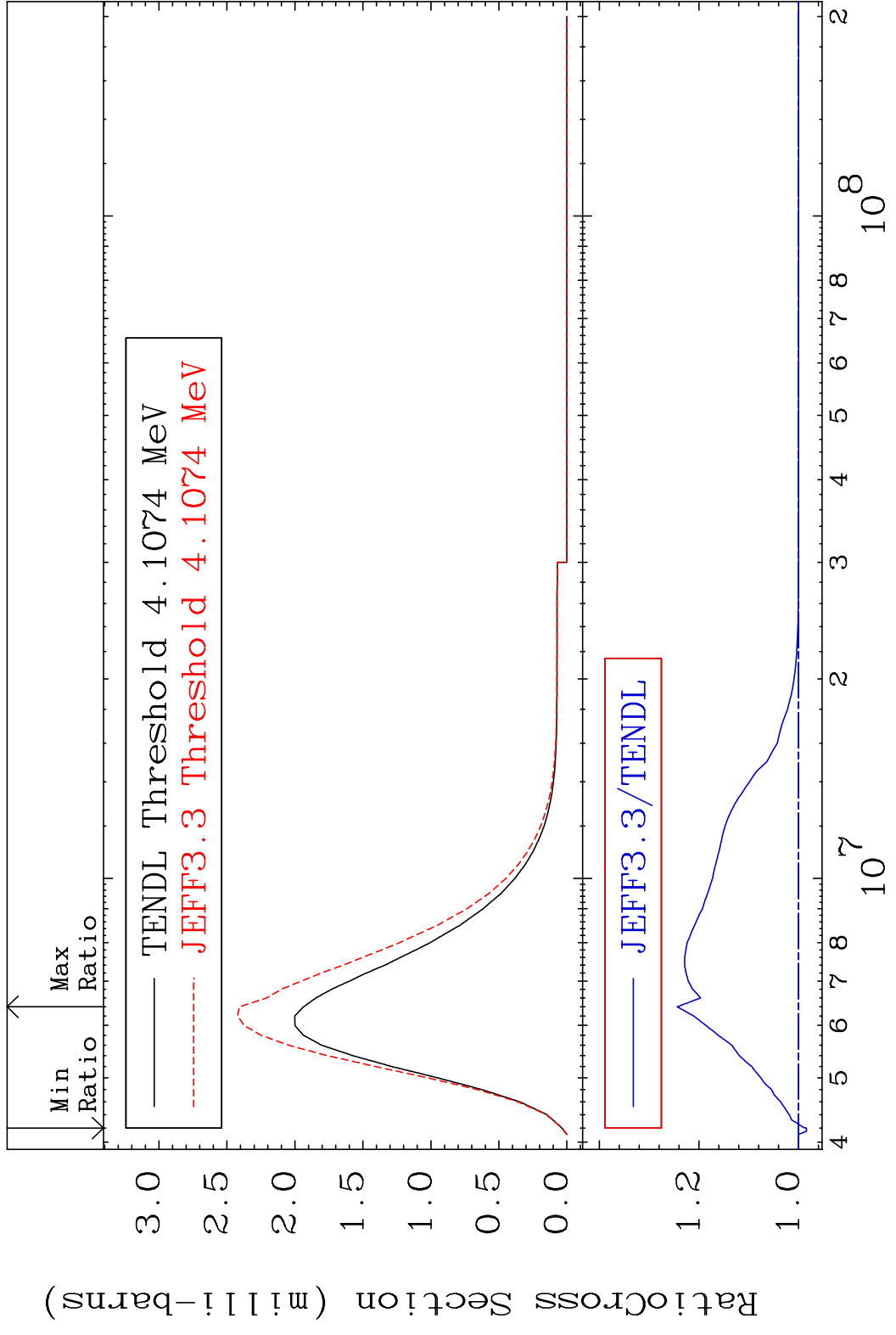
MAT 2219 MT= 61 (n, n') Level 22-Ti-44
 Cross Section -100.0 To 29.23 %



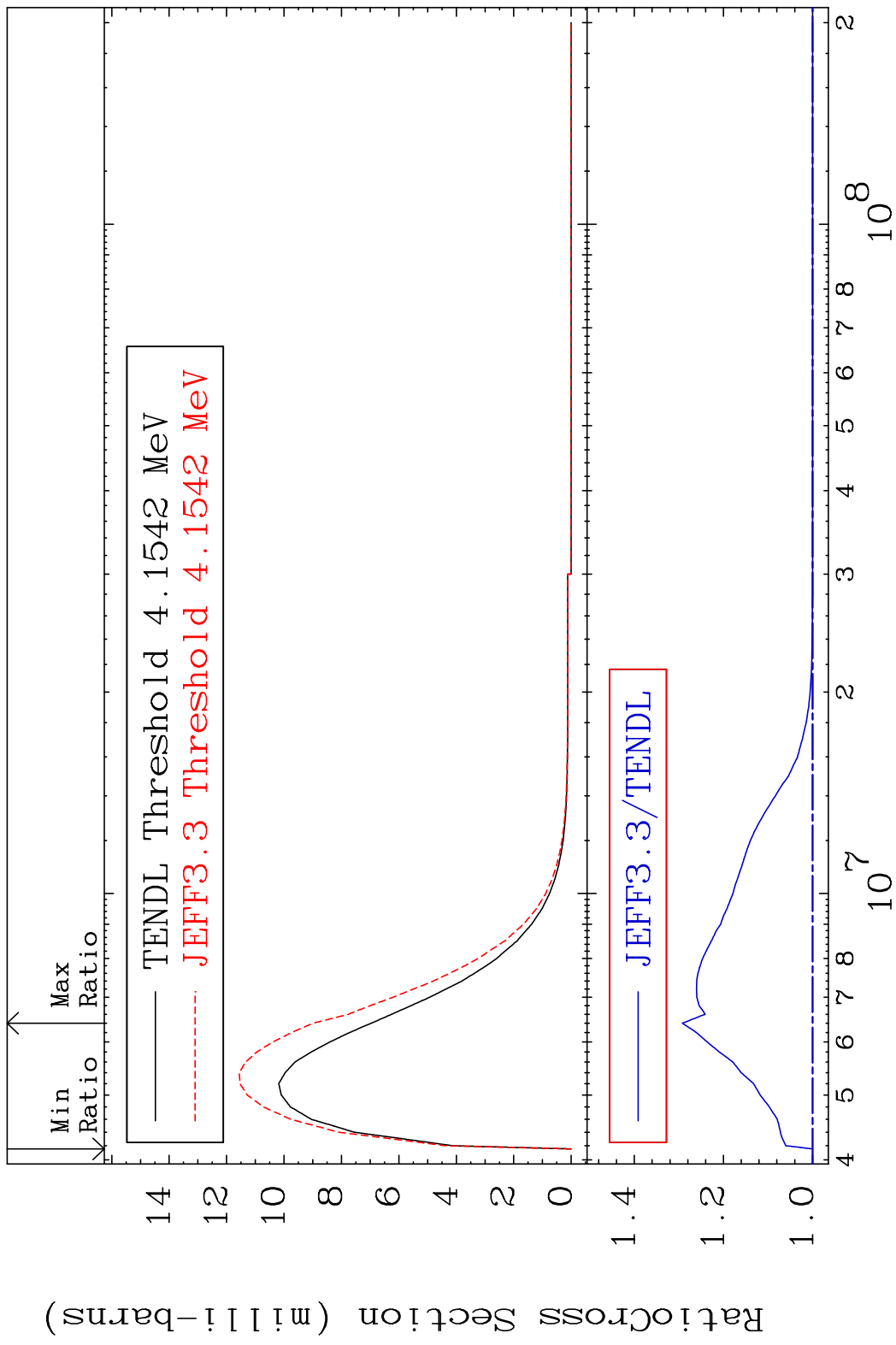
MAT 2219 MT= 62 (n, n') Level 22-Ti-44
 Cross Section 0.000 To 27.39 %



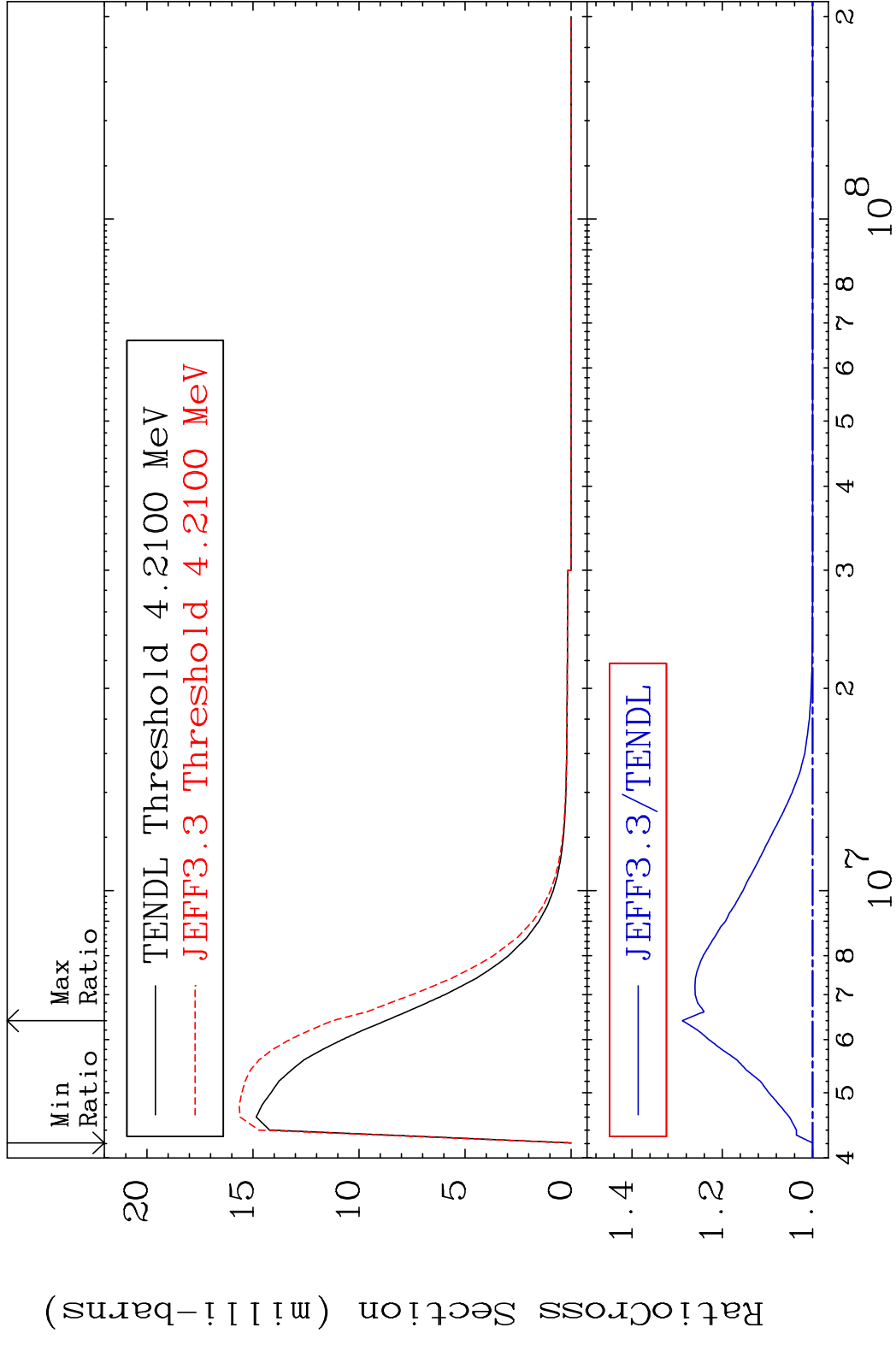
MAT 2219 MT= 63 (n, n') Level 22-Ti-44
 Cross Section -1.568 To 24.36 %



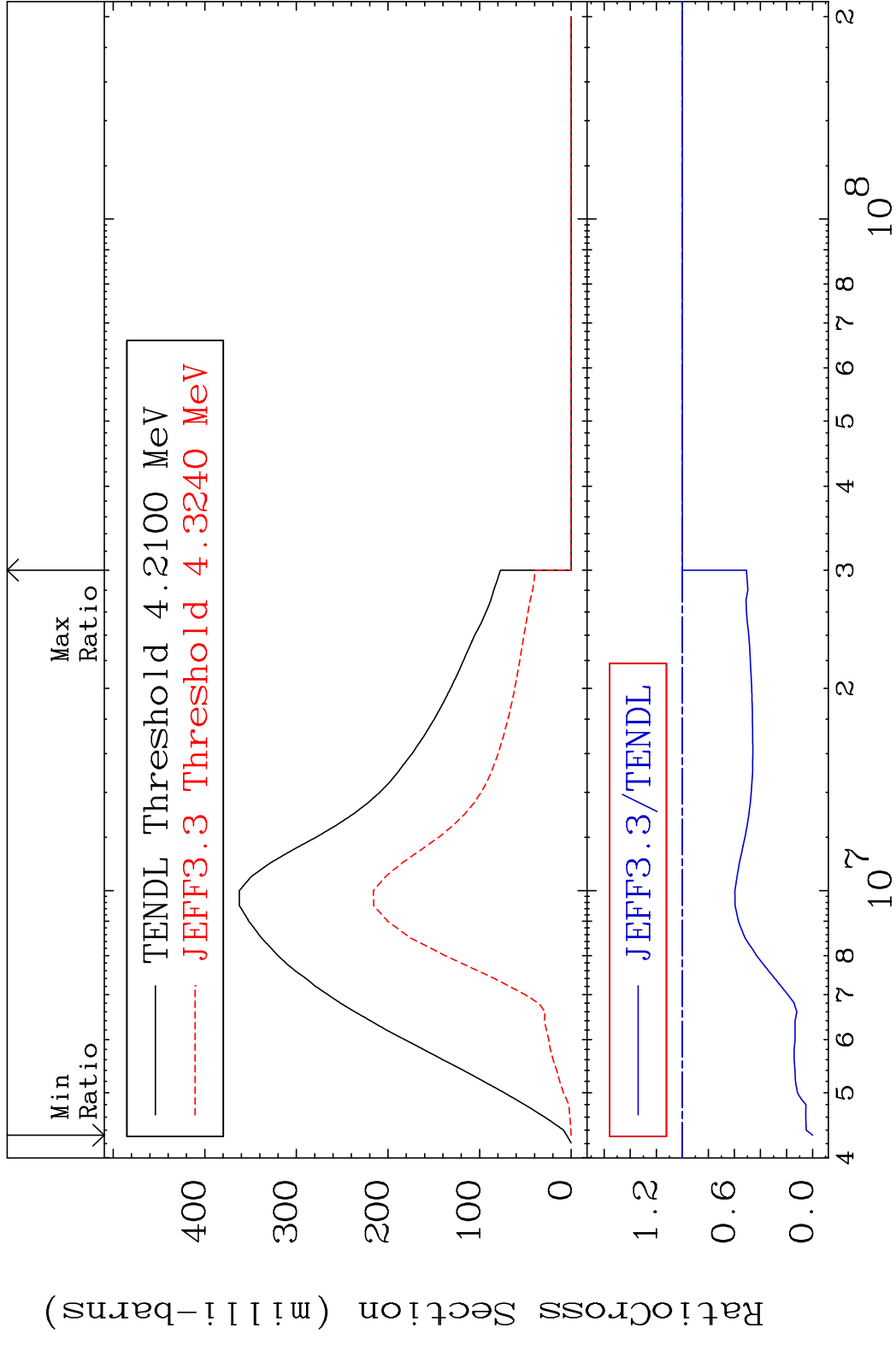
MAT 2219 MT= 64 (n, n') Level 22-Ti-44
 Cross Section 0.000 To 29.22 %



MAT 2219 MT= 65 (n,n') Level 22-Ti-44
 Cross Section 0.000 To 28.84 %



MAT 2219 (n,n') Continuum 22-Ti-44
 Cross Section -100.0 To 0.000 %

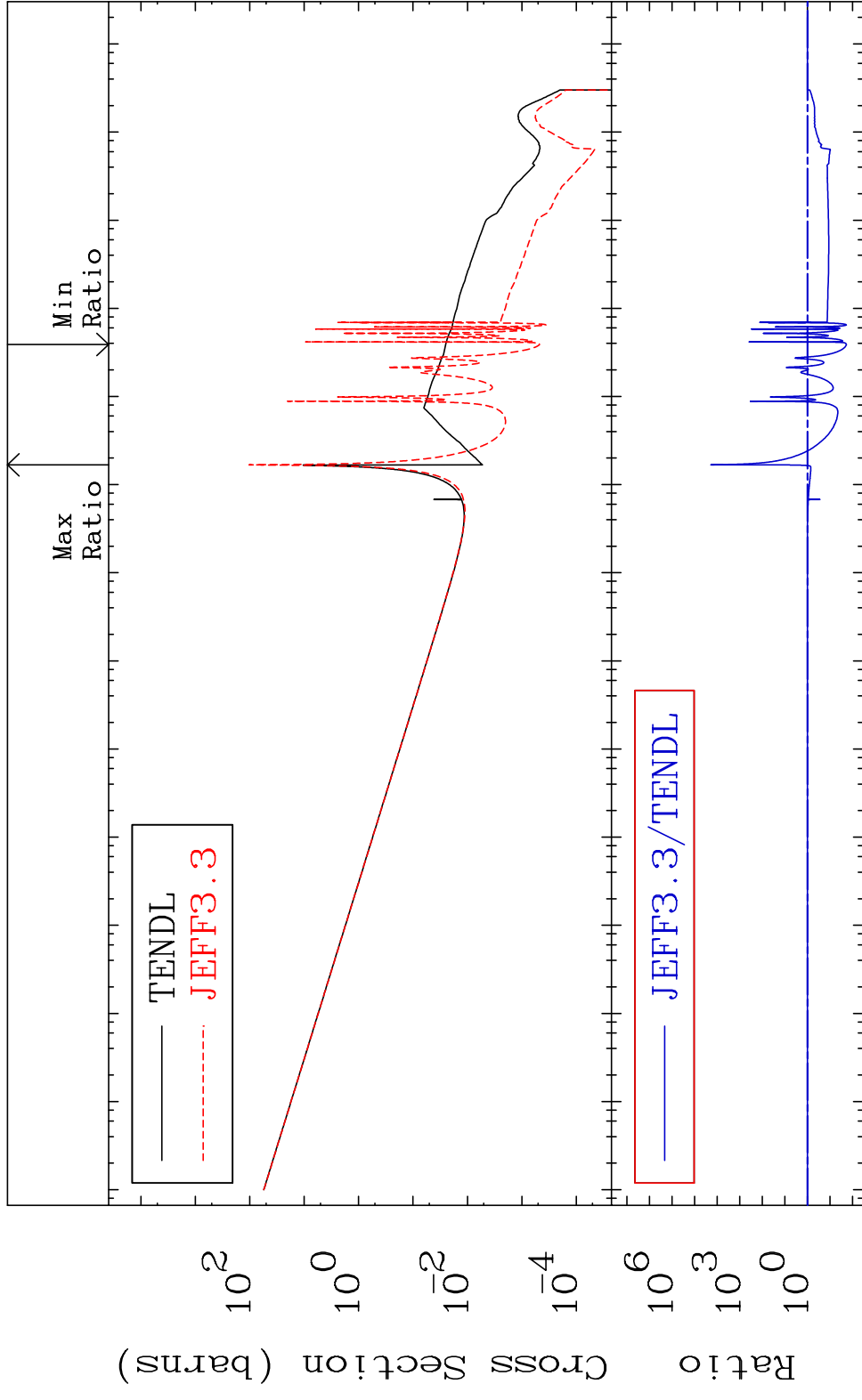


MAT 2219

22-Ti-44

(n, γ)

Cross Section -98.10 To 9999. %



Incident Energy (eV)

31

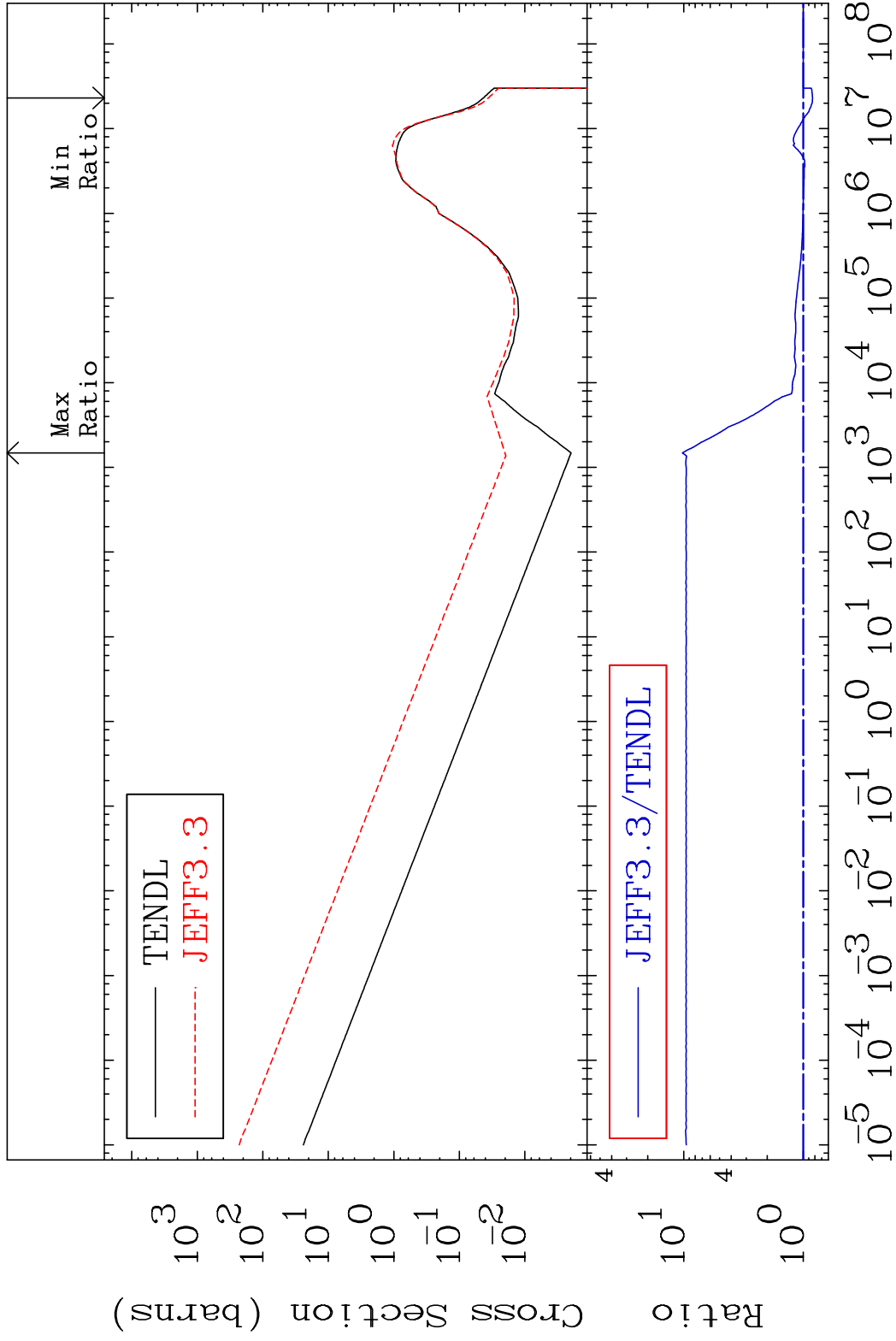
22-Ti-44

MAT 2219

(n, p)

22-Ti-44

Cross Section -16.38 To 925.3 %



32

Incident Energy (eV)

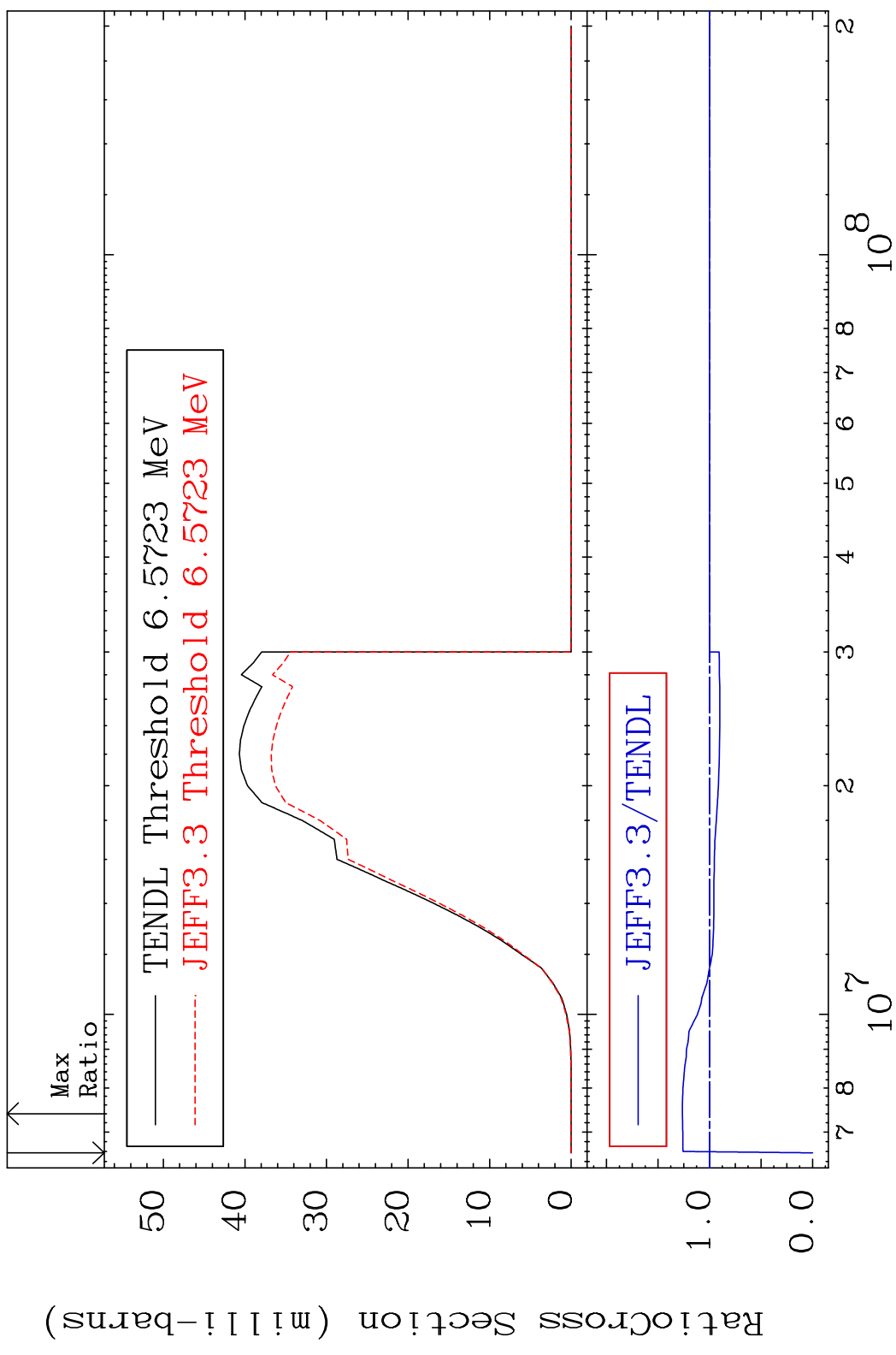
22-Ti-44

MAT 2219

(n, d)

22-Ti-44

Cross Section -100.0 To 26.35 %

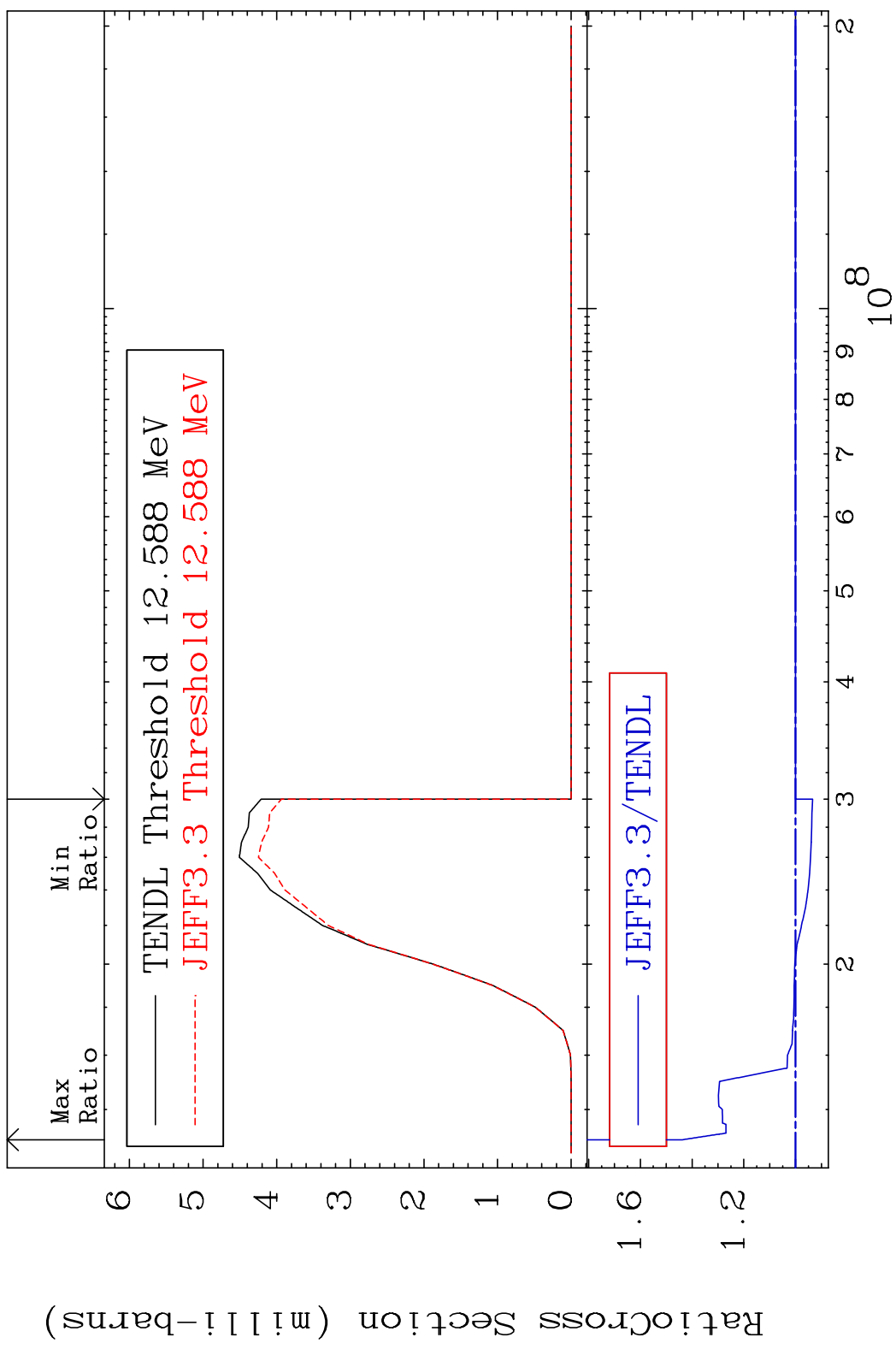


MAT 2219

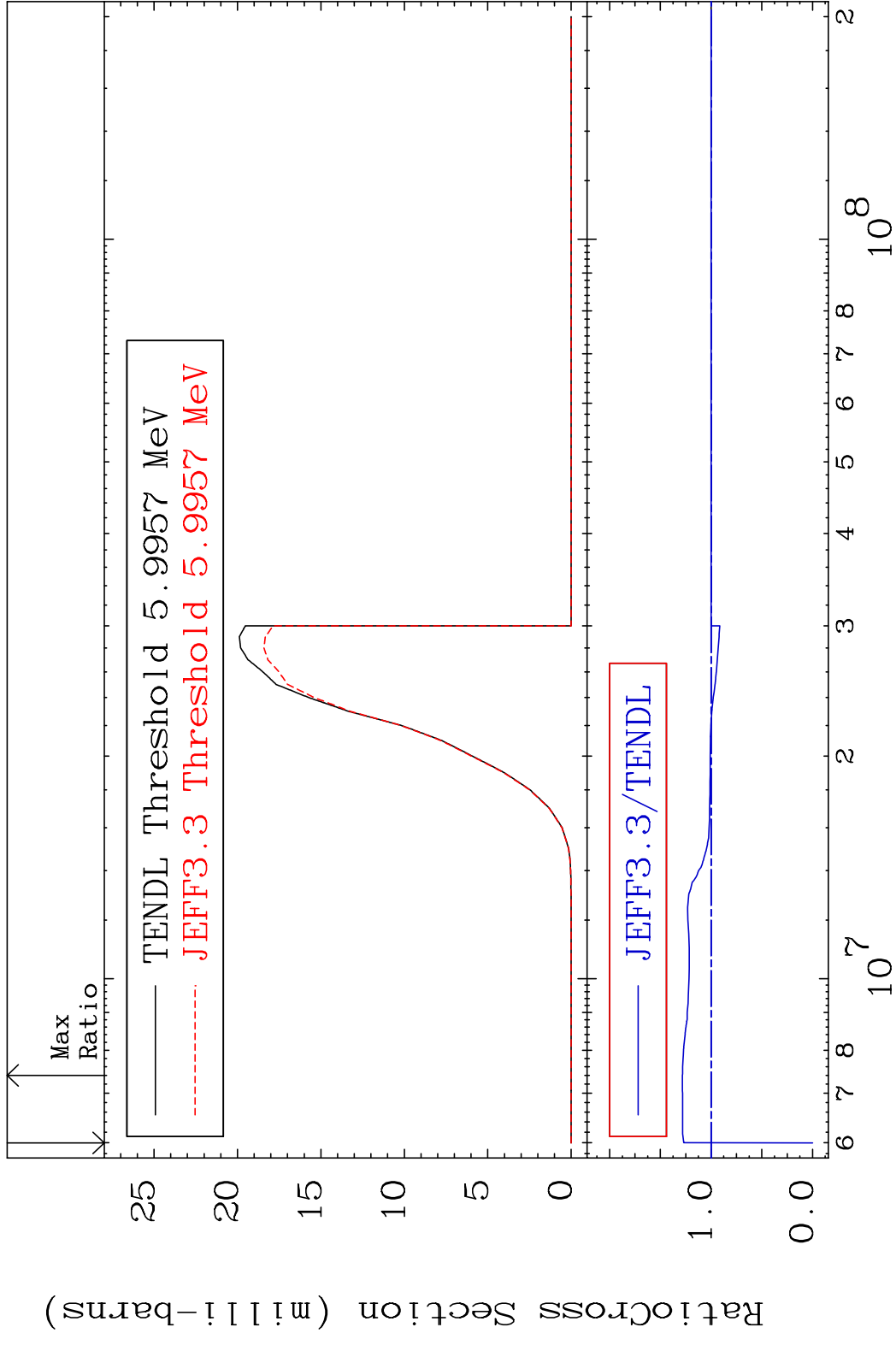
(n, t)

²²Ti-44

Cross Section -6.574 To 43.76 %



MAT 2219 (n, He-3) ²²Ti-44
 Cross Section -100.0 To 28.32 %

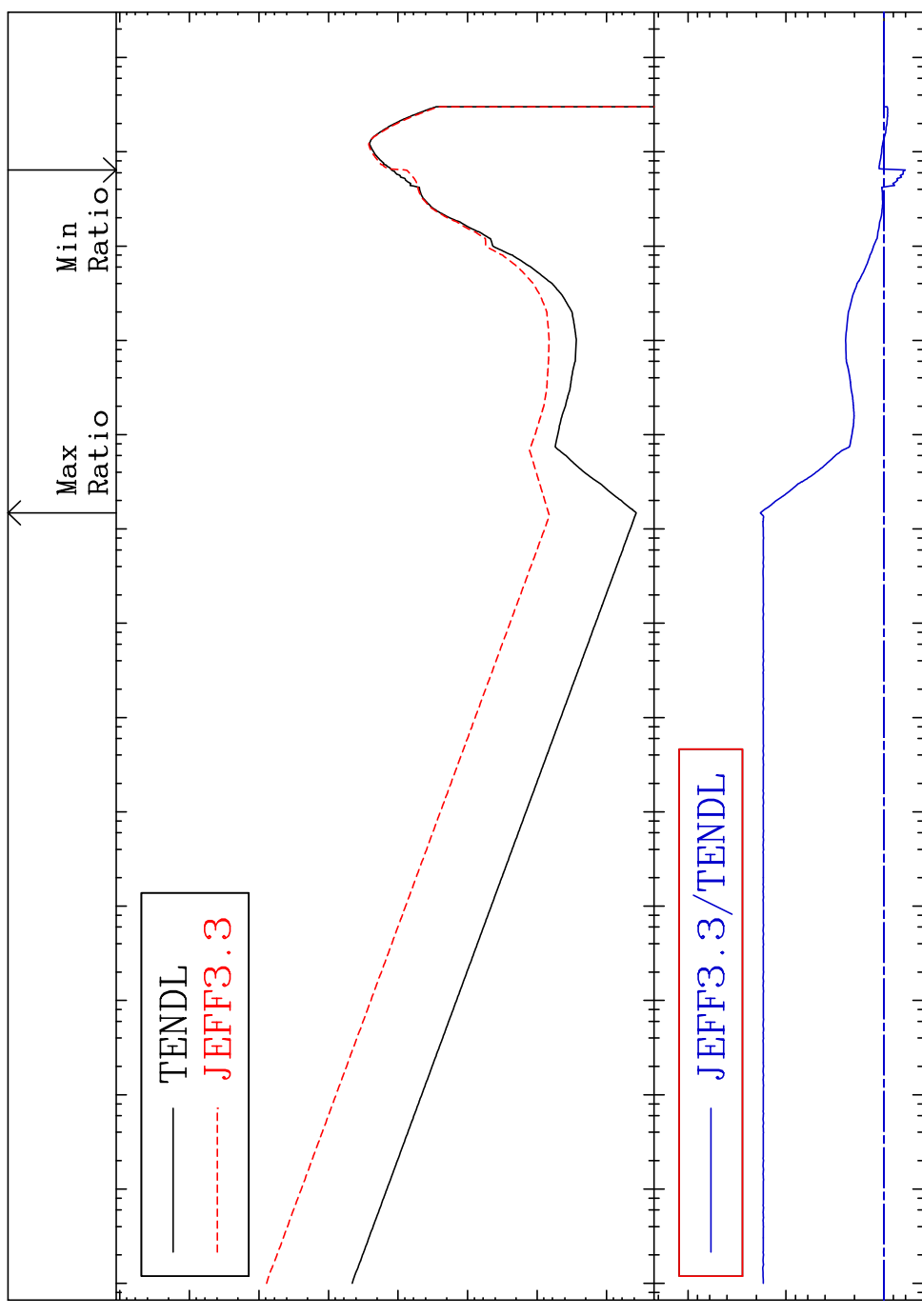


MAT 2219

(n, α)

22-Ti-44

Cross Section -39.40 To 1732. %



36

Incident Energy (eV)

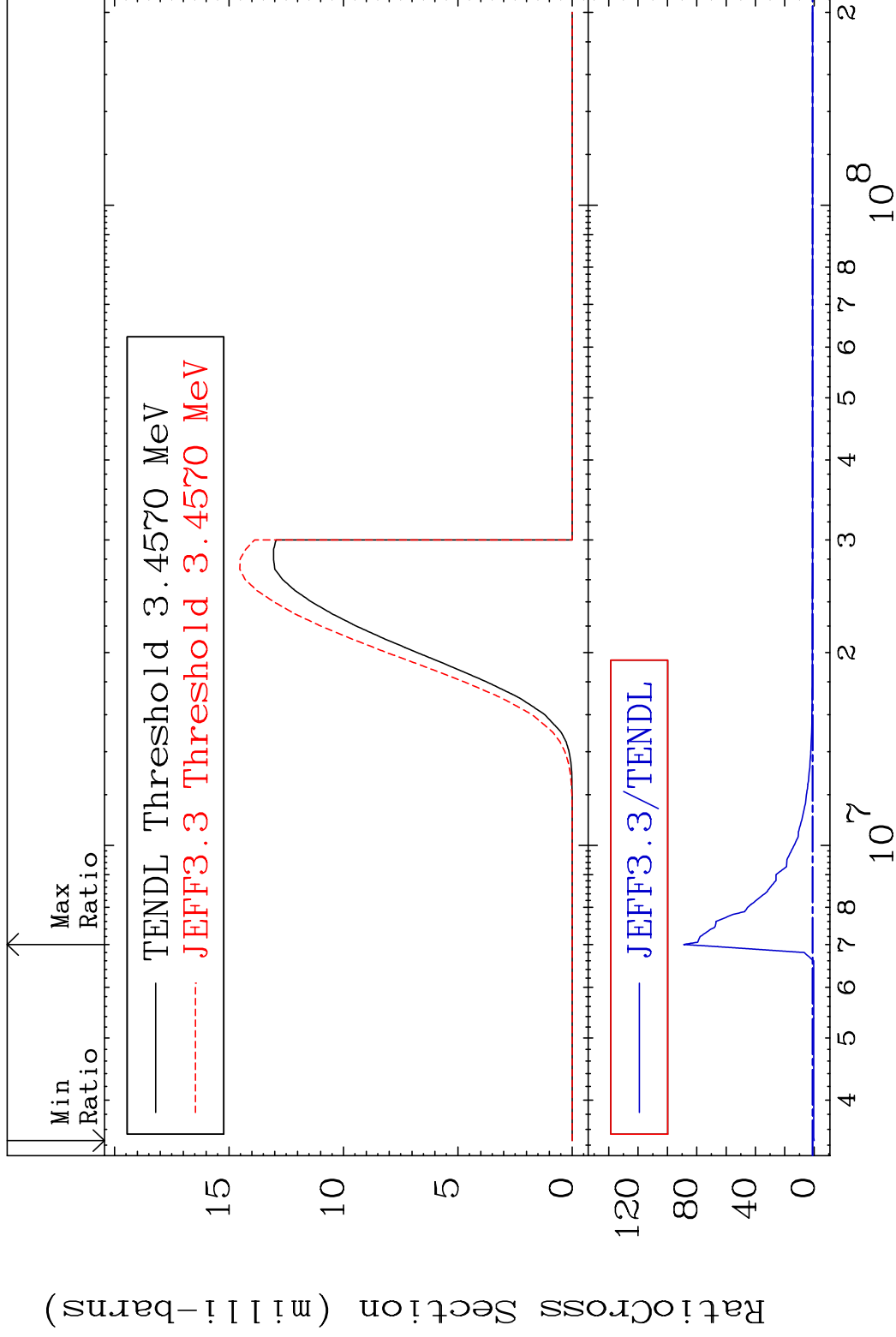
22-Ti-44

MAT 2219

(n,2α)

²²Ti-44

Cross Section -100.0 To 8793. %



37

Incident Energy (eV)

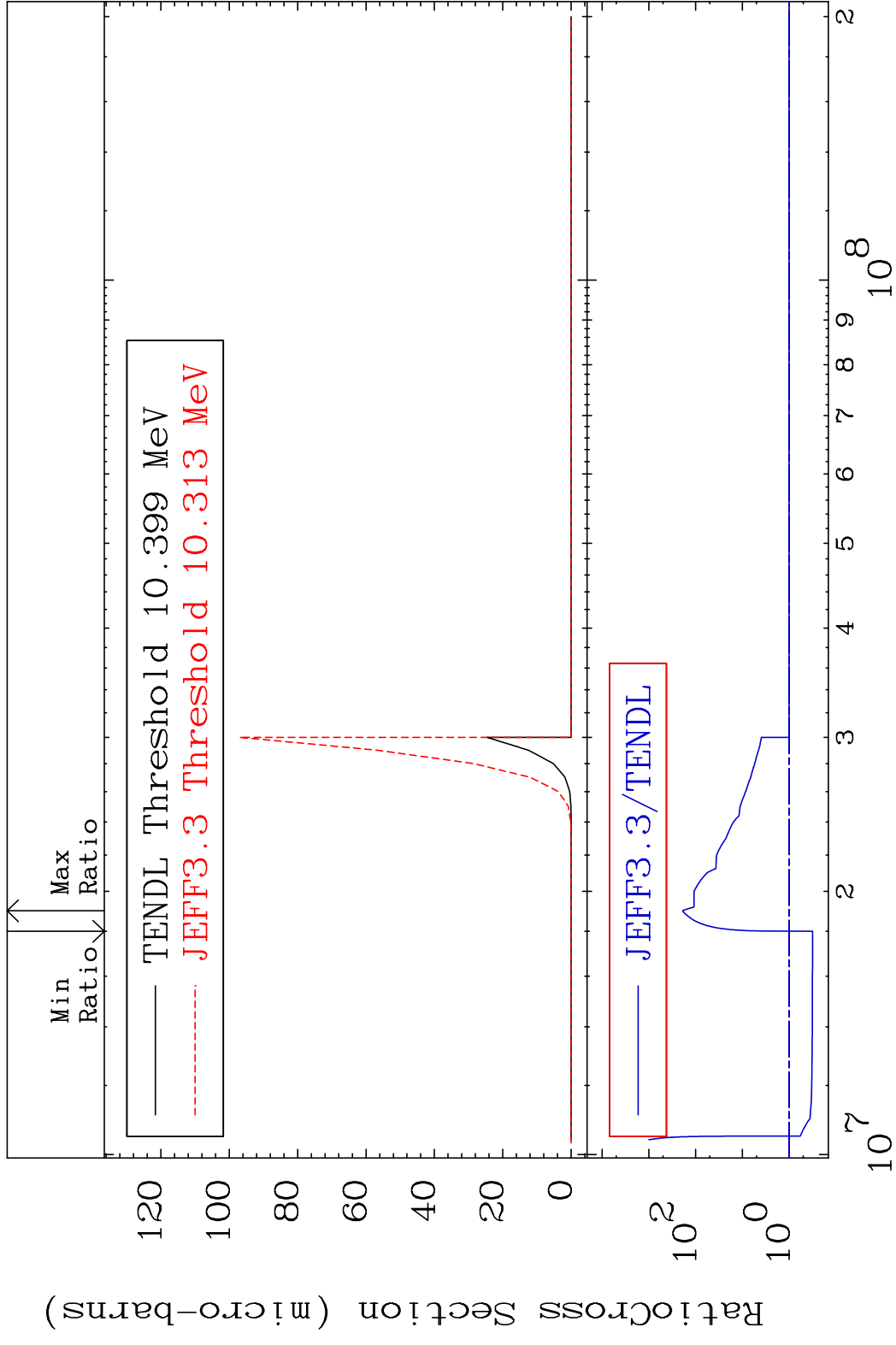
²²Ti-44

MAT 2219

(n,3α)

22-Ti-44

Cross Section -68.33 To 9999. %

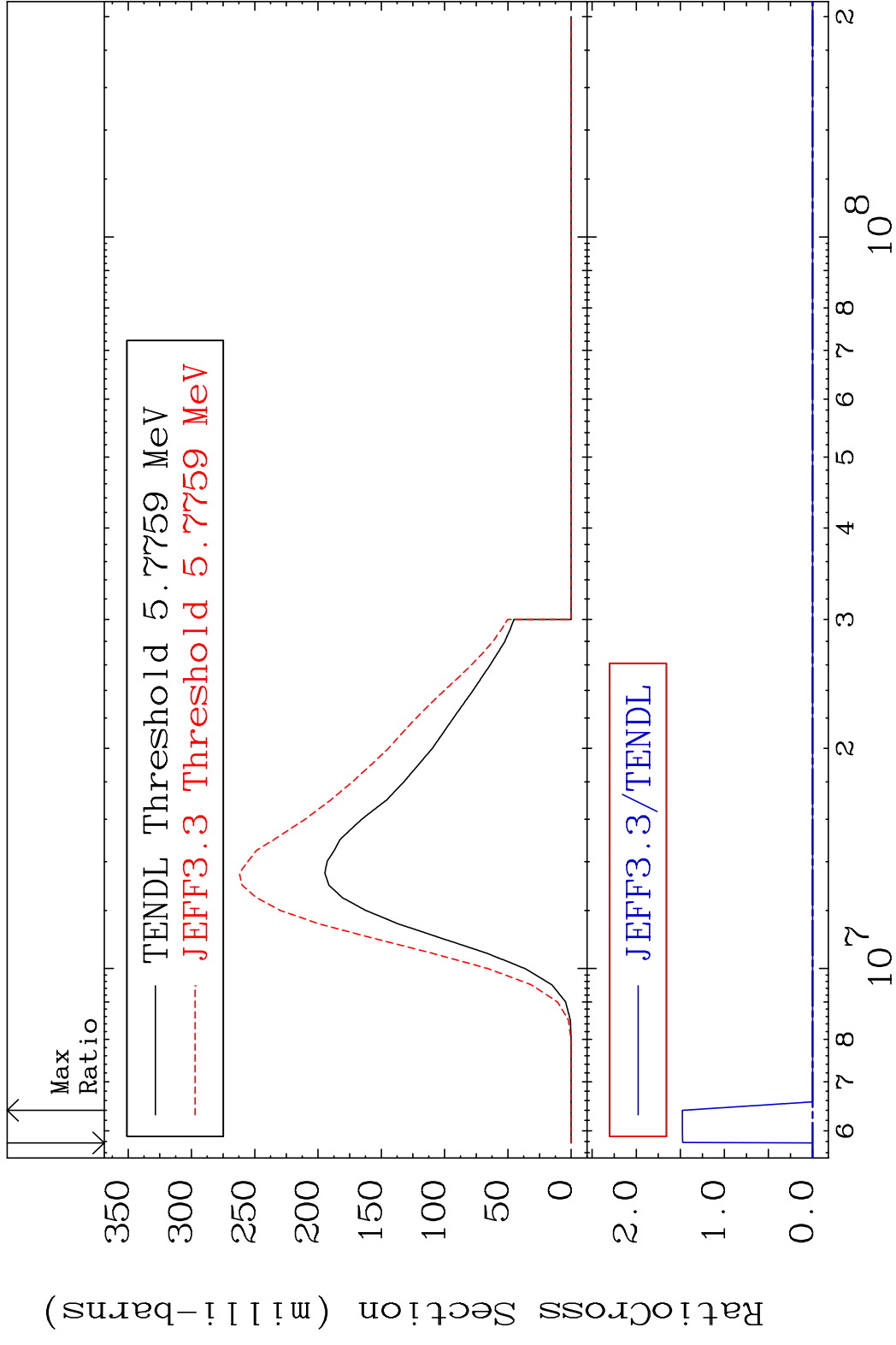


38

Incident Energy (eV)

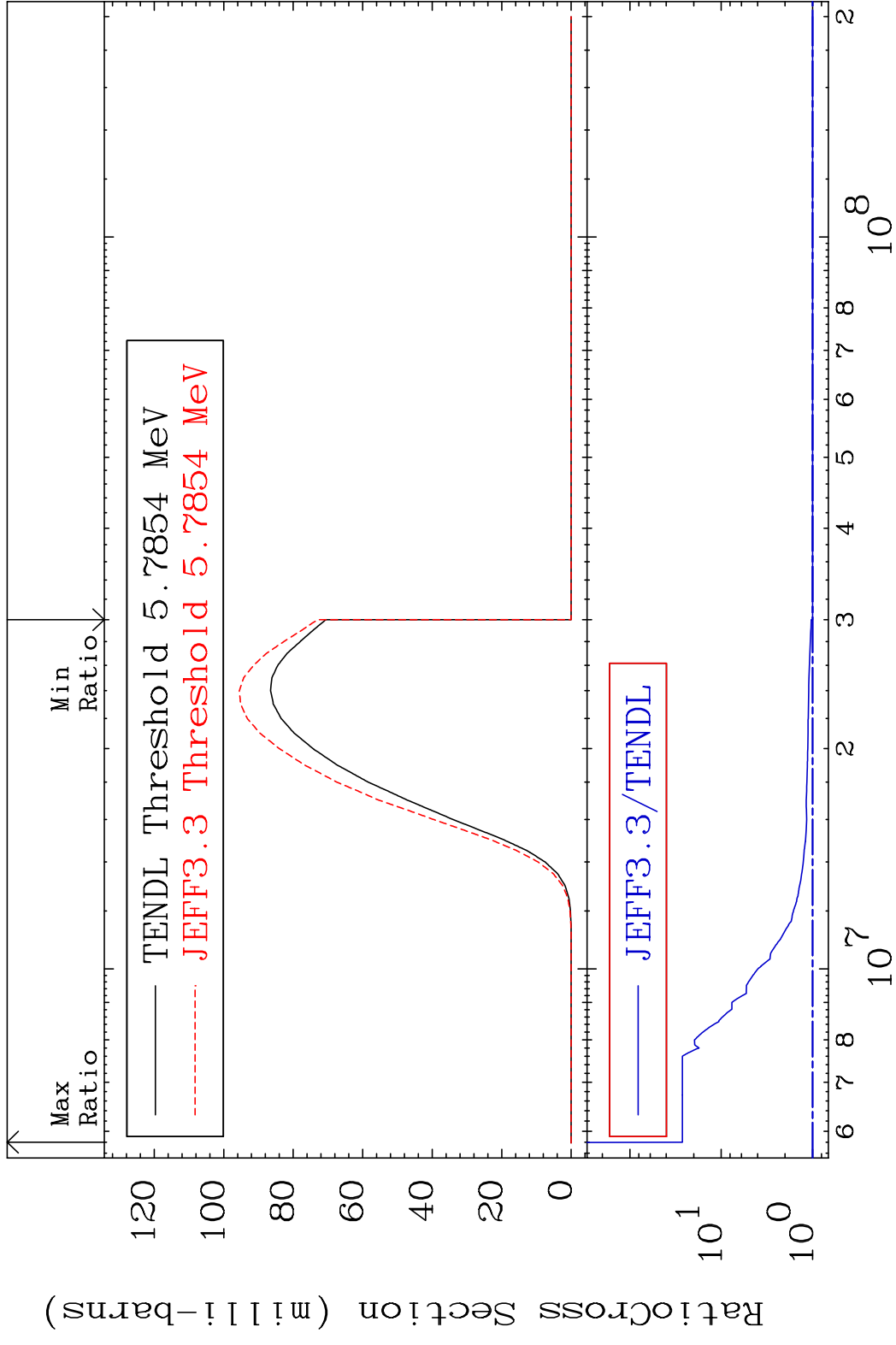
22-Ti-44

MAT 2219 (n,2p) 22-Ti-44
 Cross Section -100.0 To 9999. %



39 Incident Energy (eV) 22-Ti-44

MAT 2219 (n,p) α $^{22}\text{Ti-44}$
 Cross Section 0.000 To 2564. %



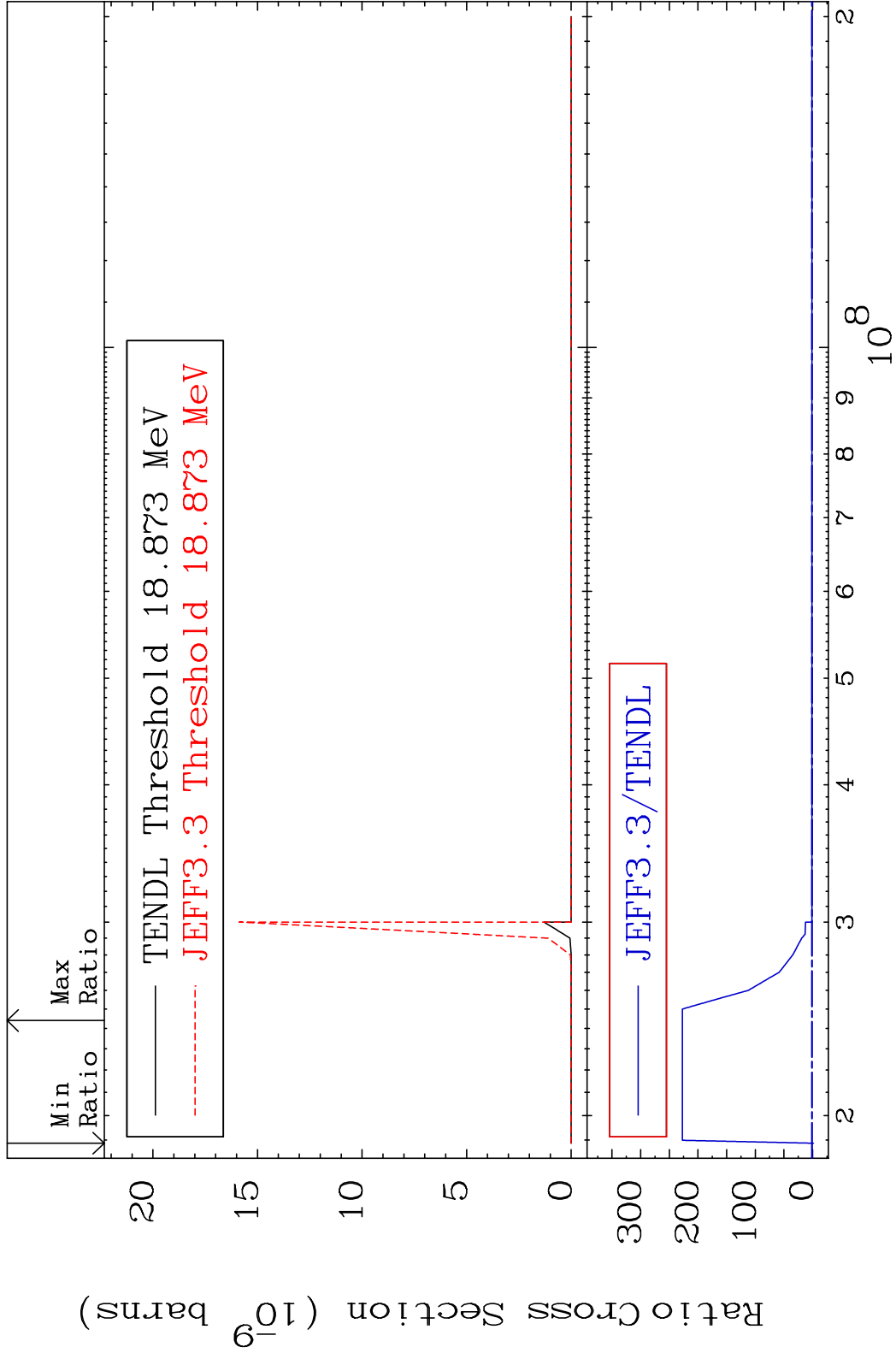
40 Incident Energy (eV) $^{22}\text{Ti-44}$

MAT 2219

(n, d) 2α

$^{22}\text{Ti}-44$

Cross Section -100.0 To 9999. %



41

Incident Energy (eV)

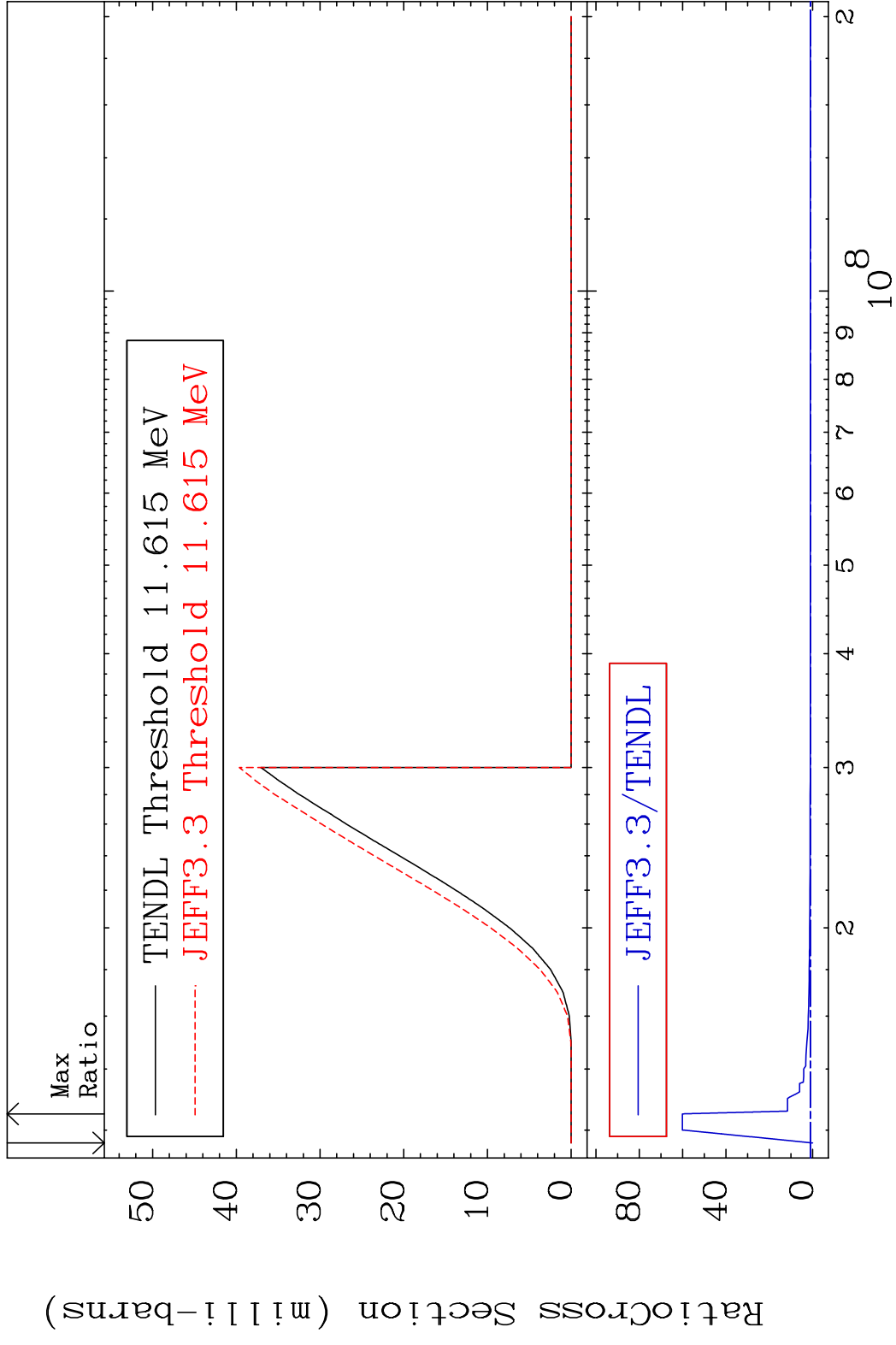
$^{22}\text{Ti}-44$

MAT 2219

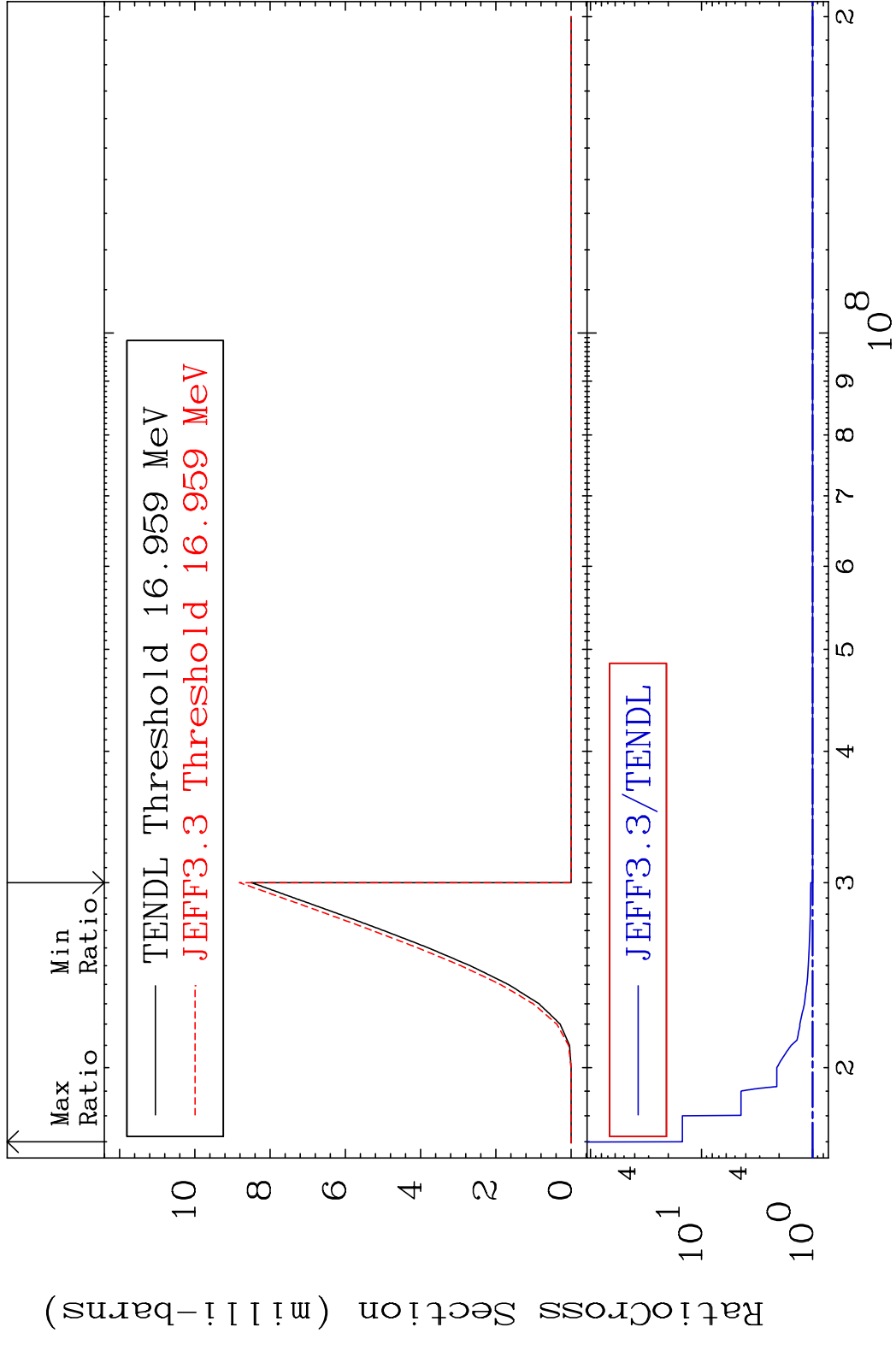
(n,p) d

²²Ti-44

Cross Section -100.0 To 5914. %



MAT 2219 (n,p) t 22-Ti-44
 Cross Section 0.000 To 1390. %

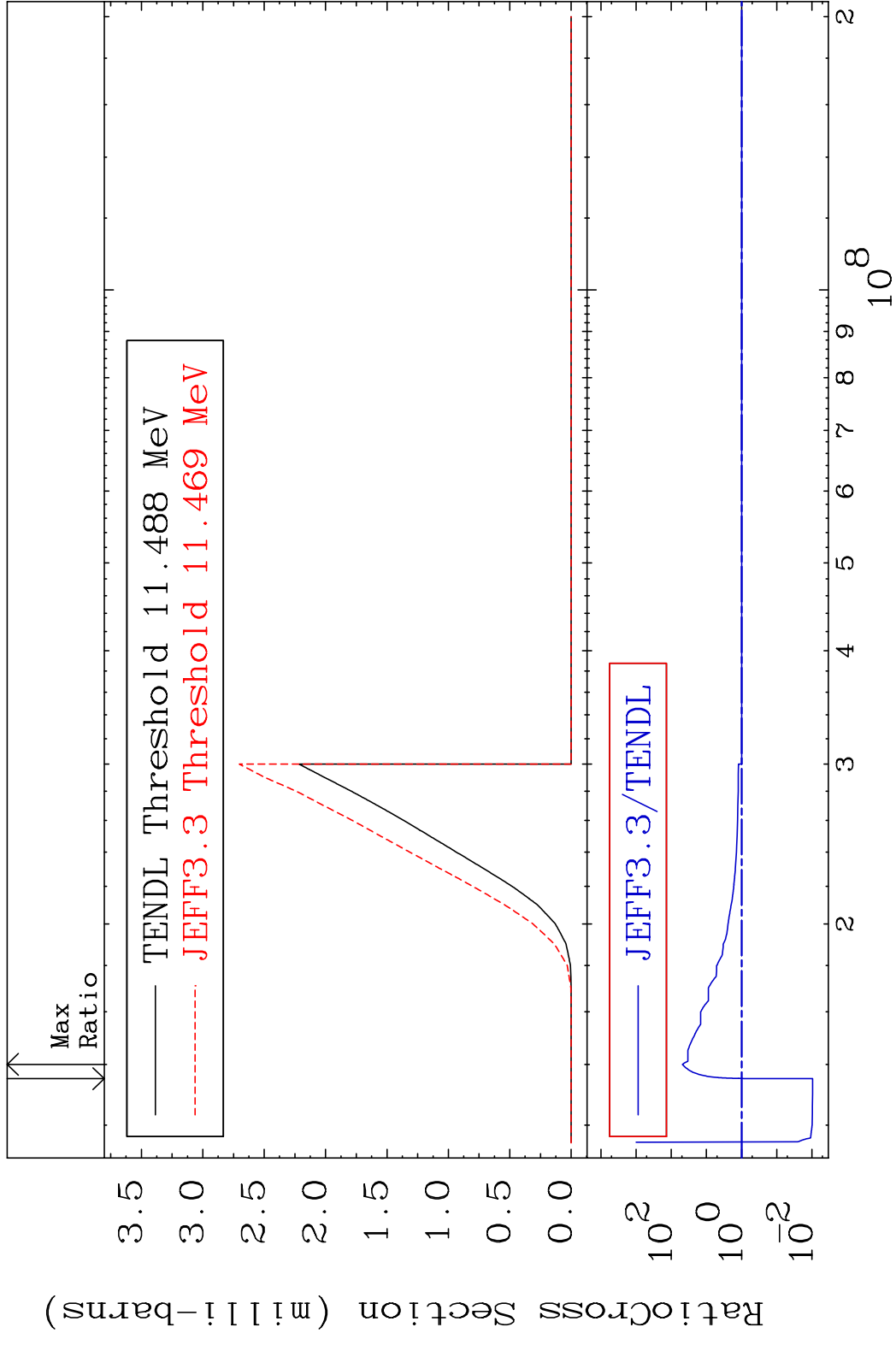


MAT 2219

(n,d) α

22-Ti-44

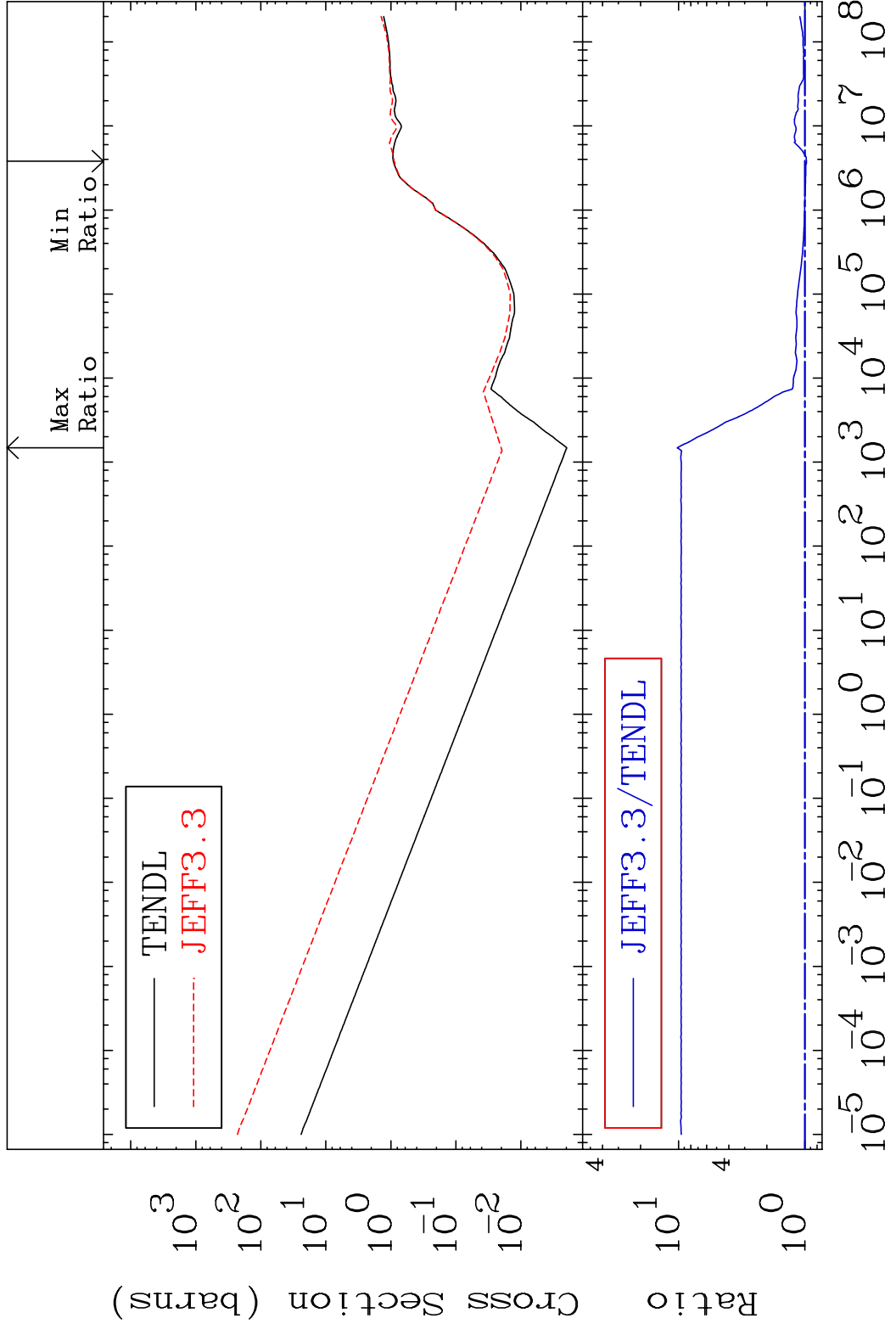
Cross Section -99.04 To 4737. %



MAT 2219

Hydrogen Production
Cross Section -2.859 To 925.3 %

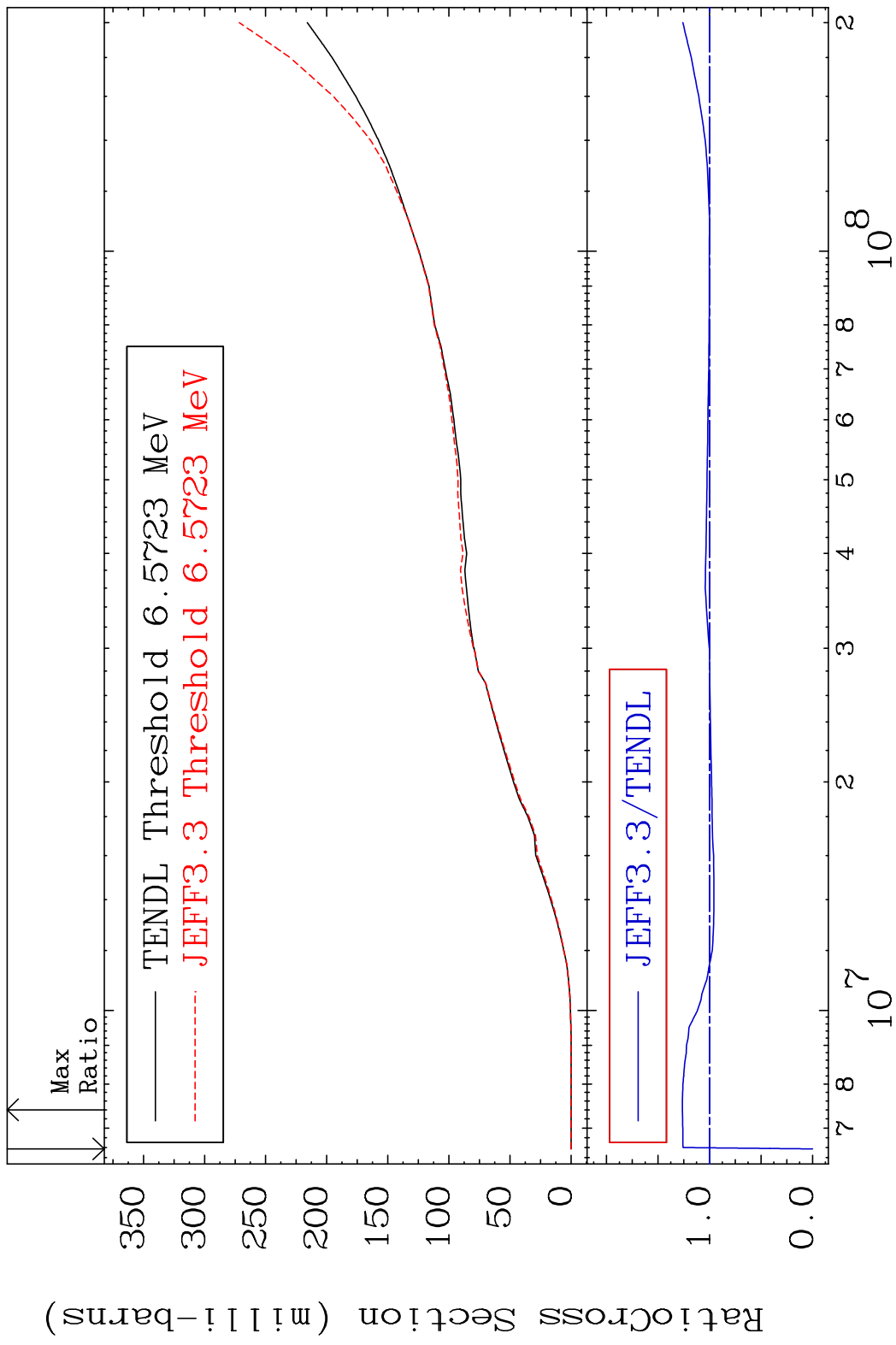
22-Ti-44



45

Incident Energy (eV) 22-Ti-44

MAT 2219 Deuterium Production $^{22}\text{Ti-44}$
 Cross Section -100.0 To 26.35 %

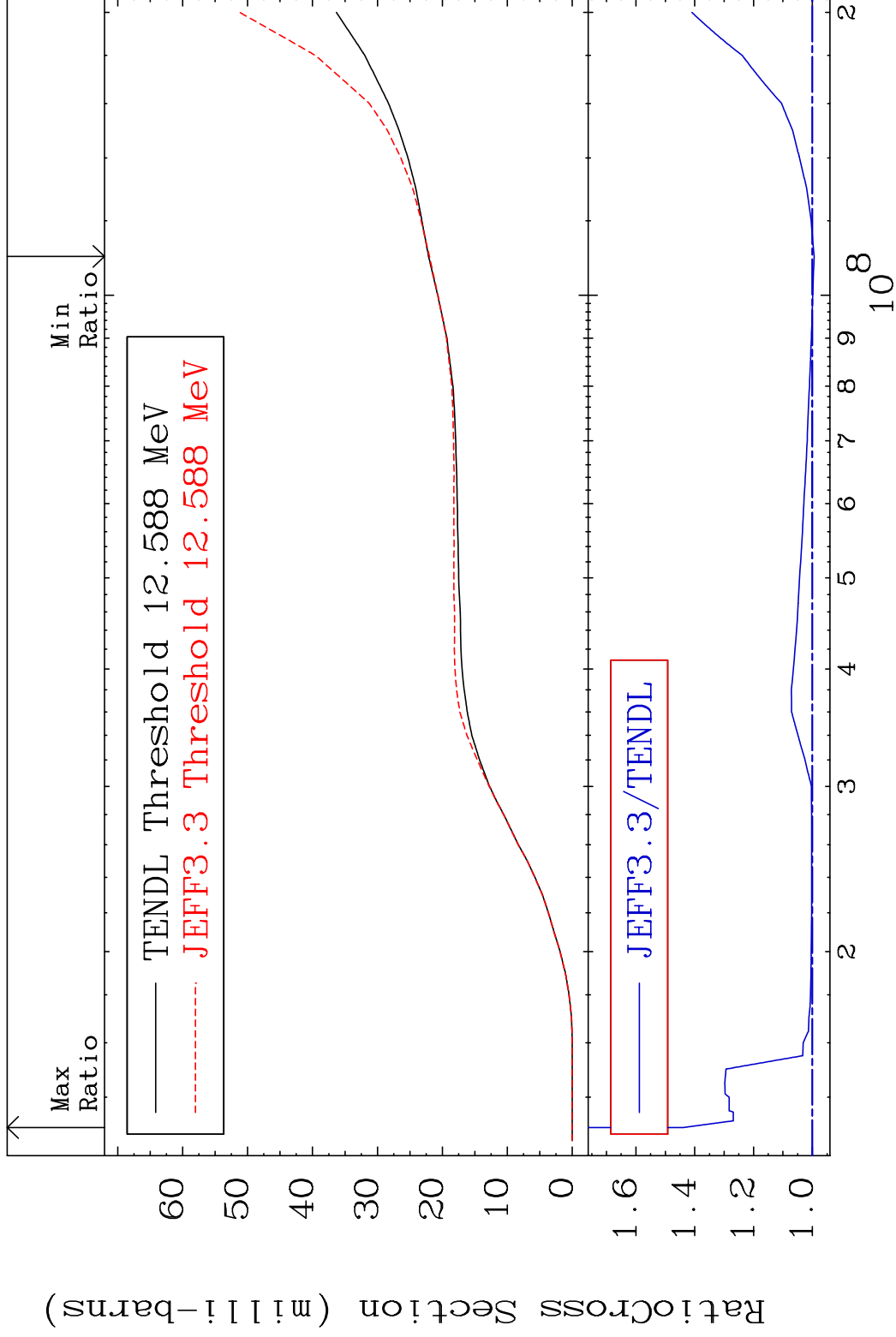


MAT 2219

Tritium Production

$^{22}\text{Ti-44}$

Cross Section -0.590 To 43.76 %



47

Incident Energy (eV)

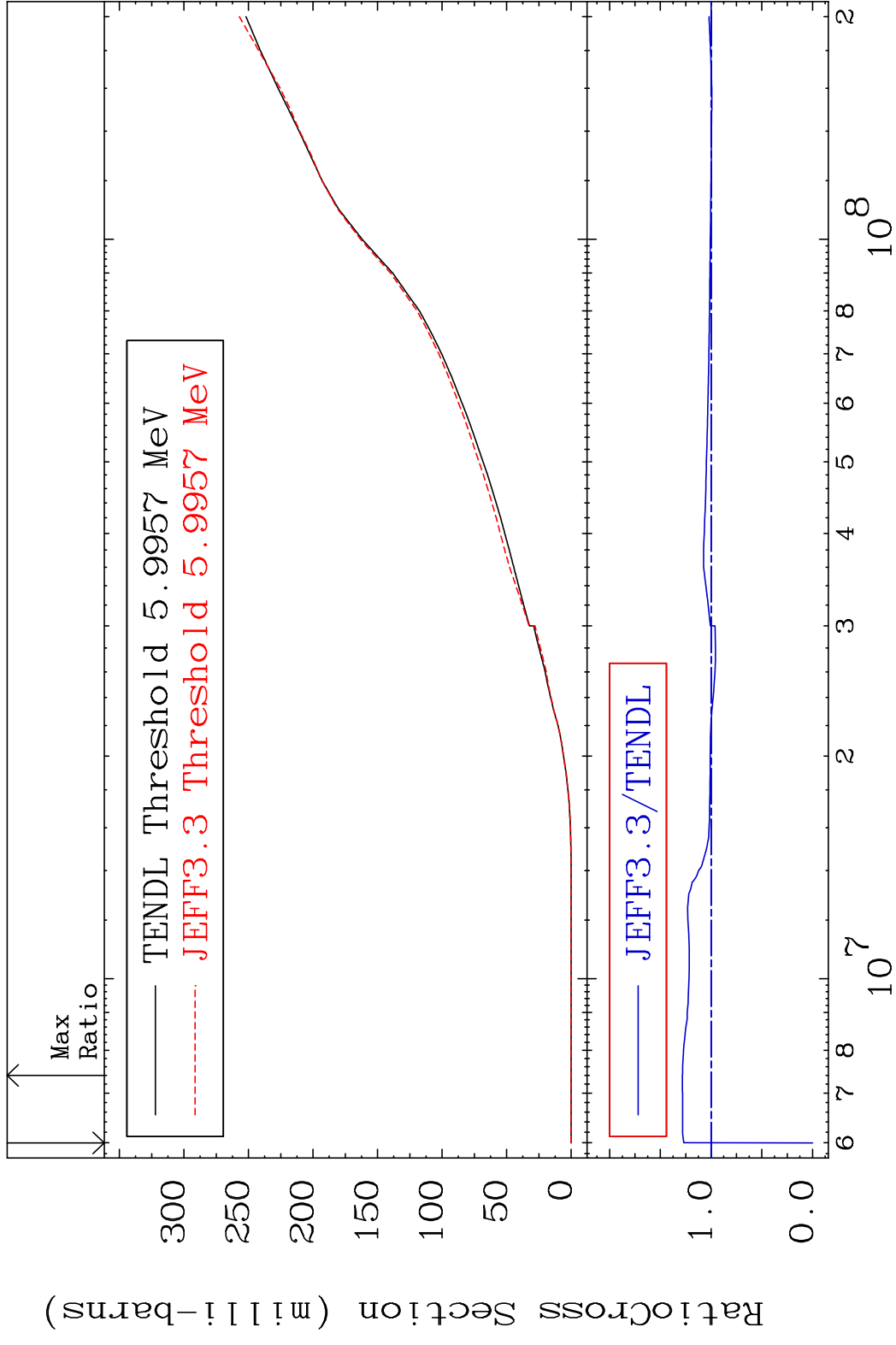
$^{22}\text{Ti-44}$

MAT 2219

He-3 Production

²²Ti-44

Cross Section -100.0 To 28.32 %



48

Incident Energy (eV)

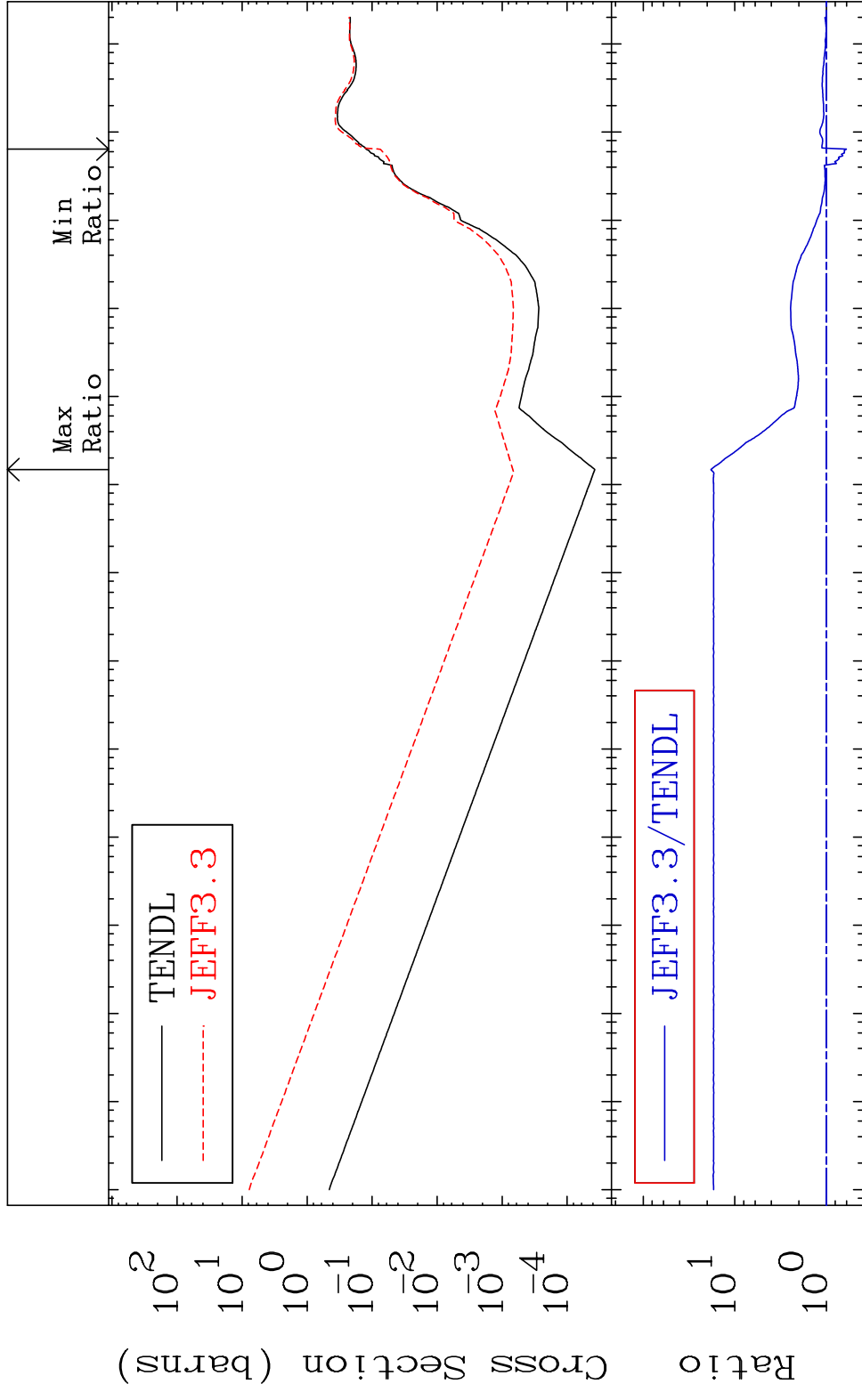
²²Ti-44

MAT 2219

He-4 Production

22-Ti-44

Cross Section -39.40 To 1732. %

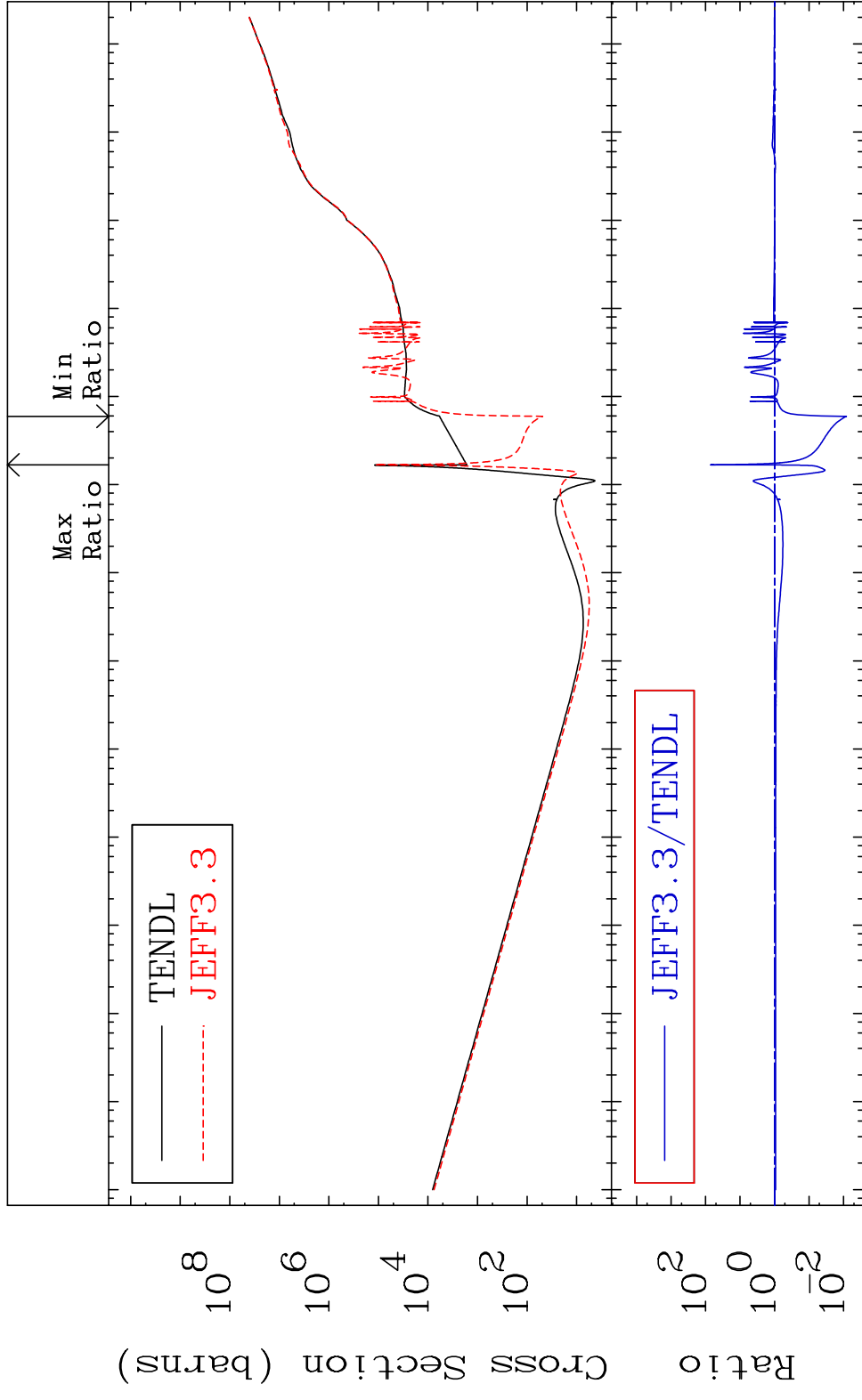


49

Incident Energy (eV)

22-Ti-44

MAT 2219 Kerma total (eV-barns) 22-Ti-44
 Cross Section -99.17 To 7008. %

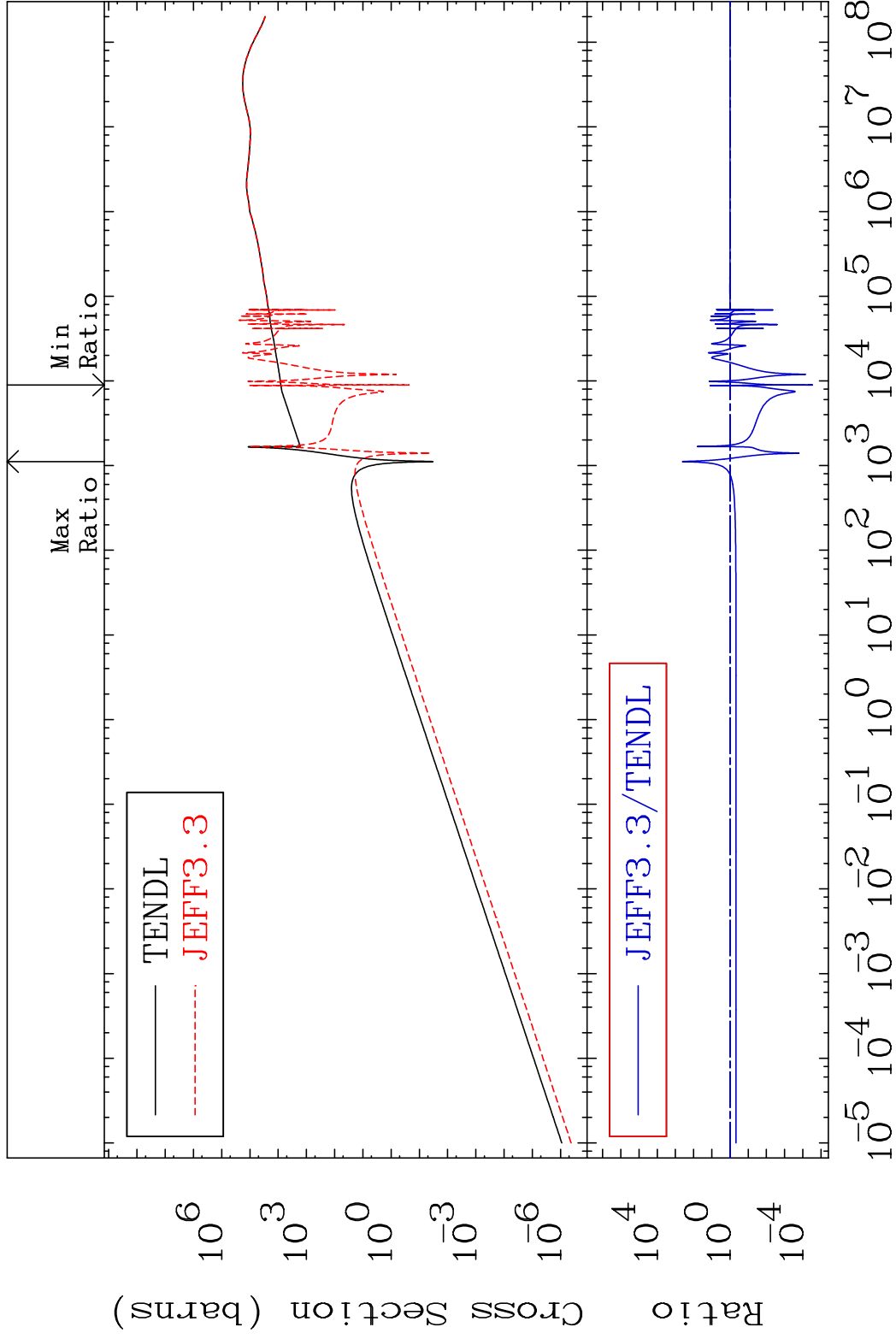


50 Incident Energy (eV) 22-Ti-44

MAT 2219

Kerma elastic
Cross Section

22-Ti-44
-100.0 To 9999. %

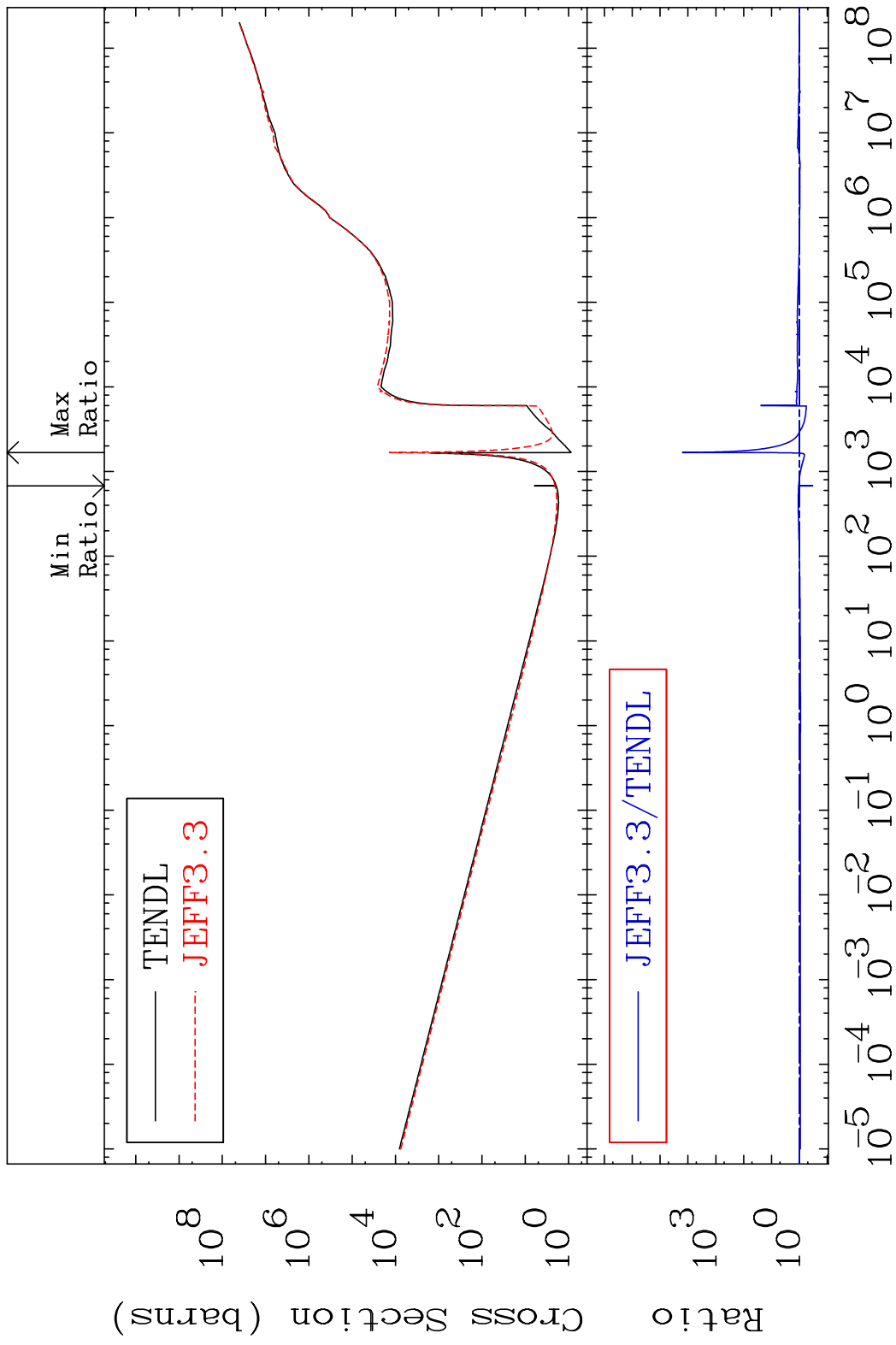


51

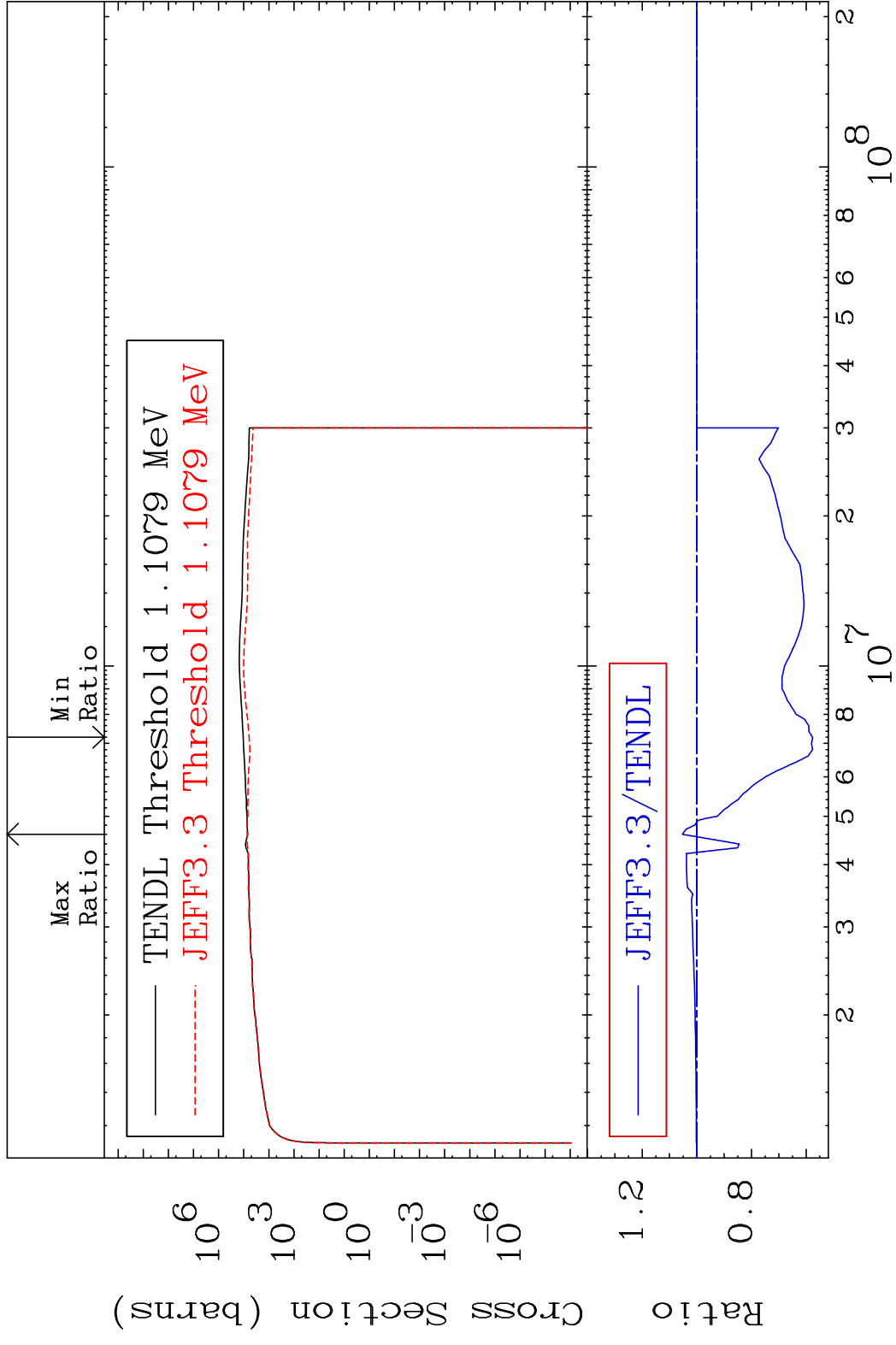
Incident Energy (eV)

22-Ti-44

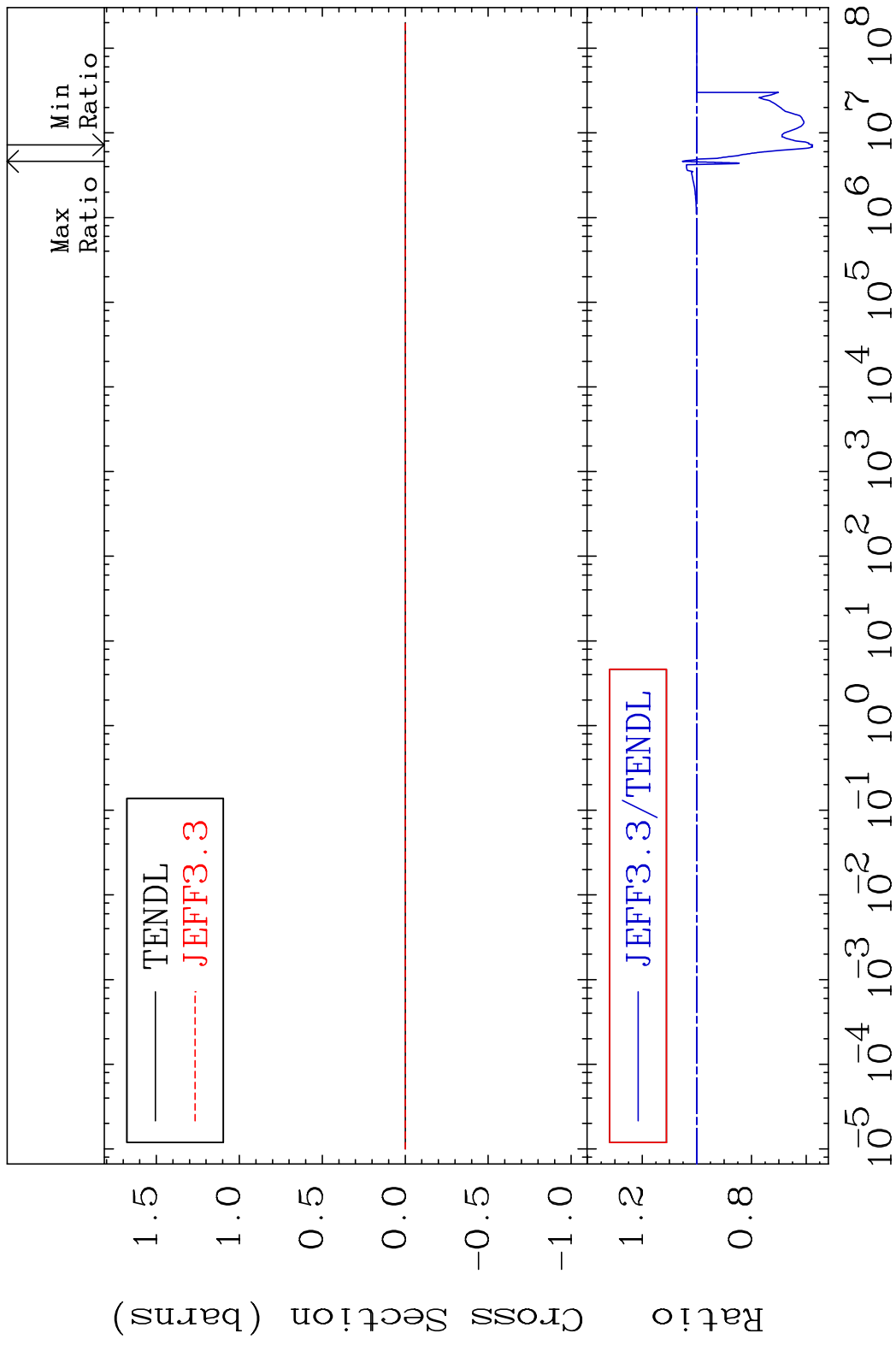
MAT 2219 Kerma non-elastic (all but mt2) 22-Ti-44
 Cross Section -66.37 To 9999. %



MAT 2219 Kerma inelastic (mt51-91) 22-Ti-44
 Cross Section -42.36 To 5.293 %

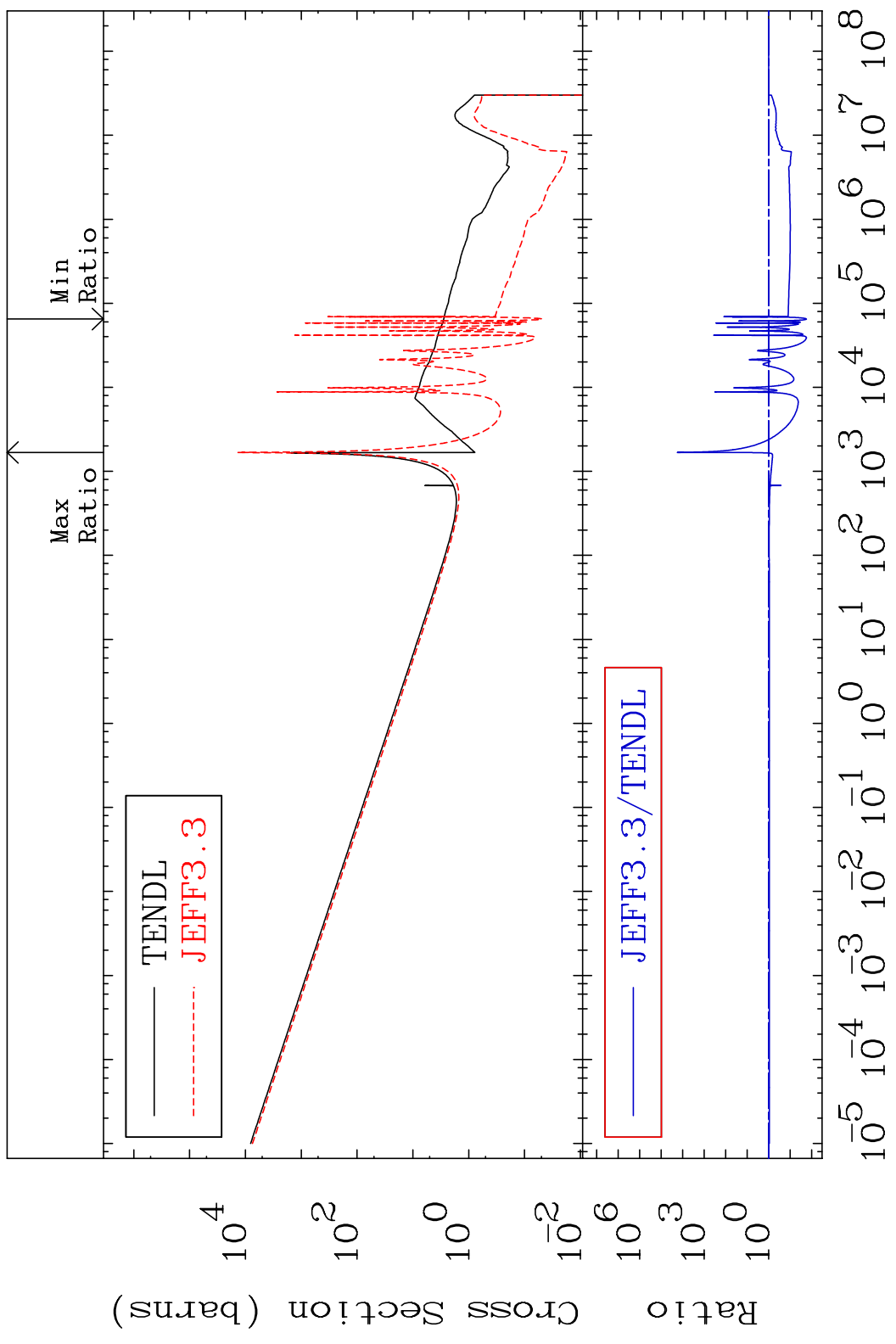


MAT 2219 Kerma fission (mt18 or mt19-20-21-38) 22-Ti-44
 Cross Section -42.36 To 5.293 %



MAT 2219

Kerma capture (mt102) 22-Ti-44
Cross Section -98.26 To 9999. %

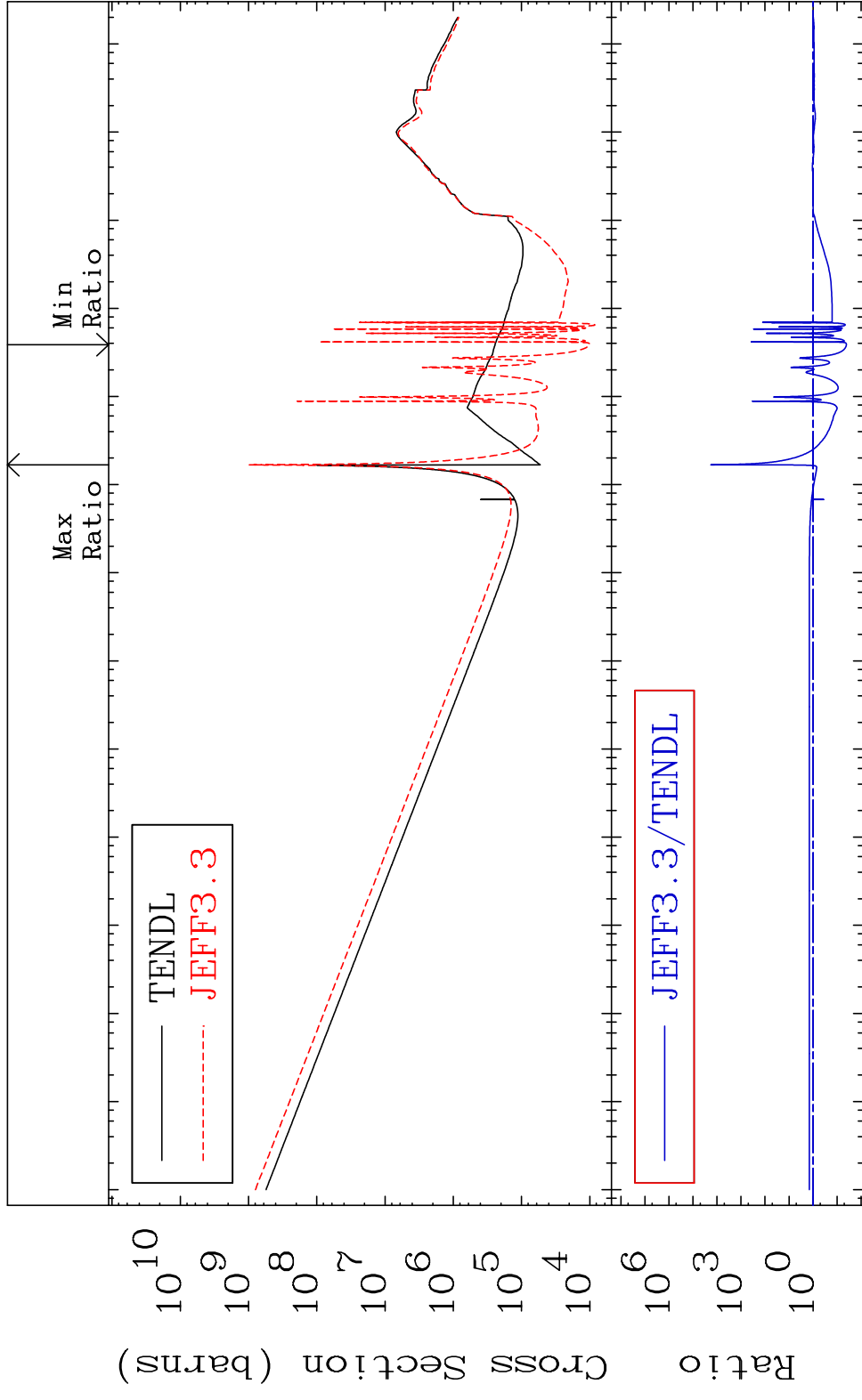


55

Incident Energy (eV)

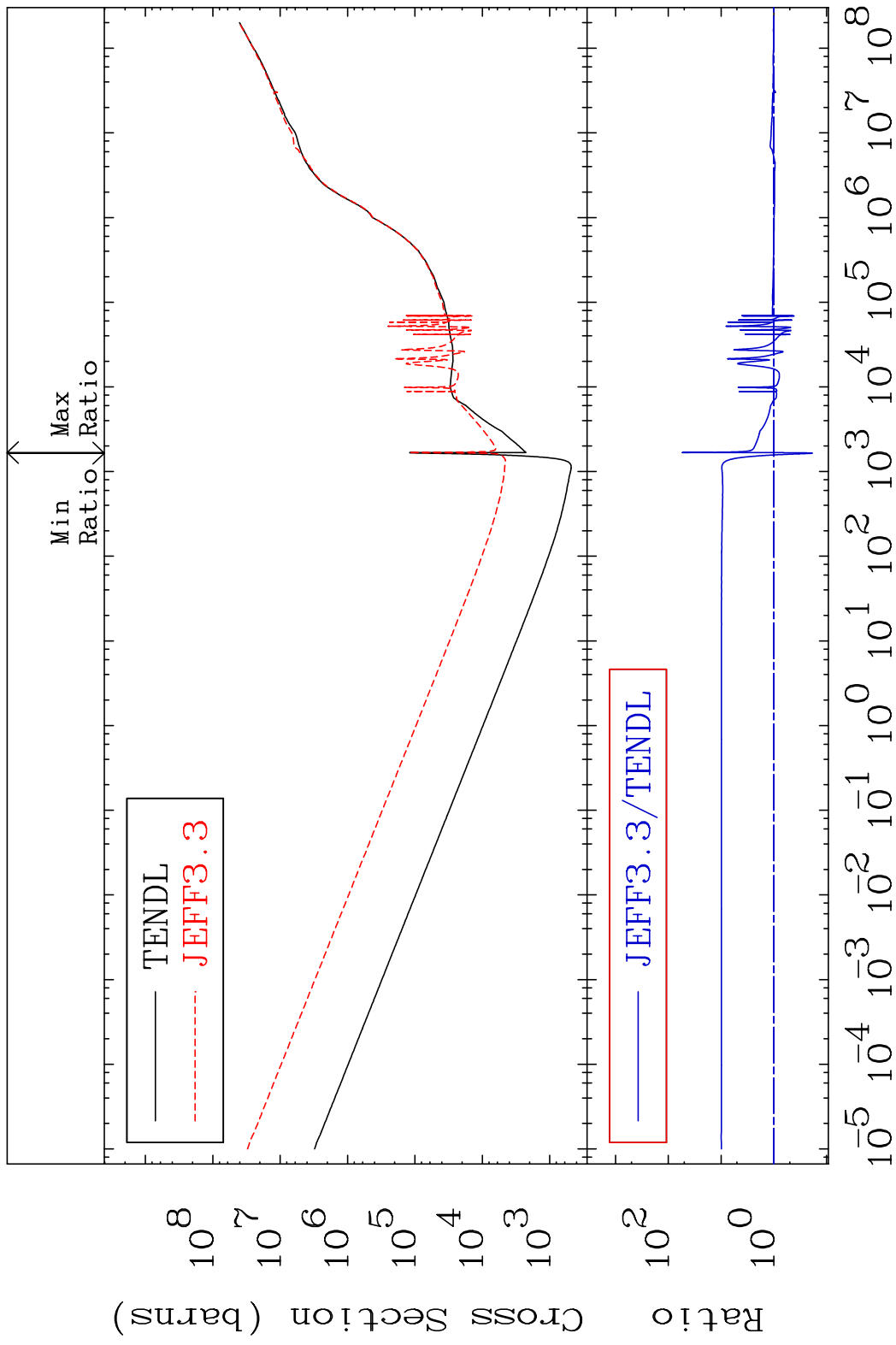
22-Ti-44

MAT 2219 Total photon (eV-barns) 22-Ti-44
 Cross Section -95.89 To 9999. %

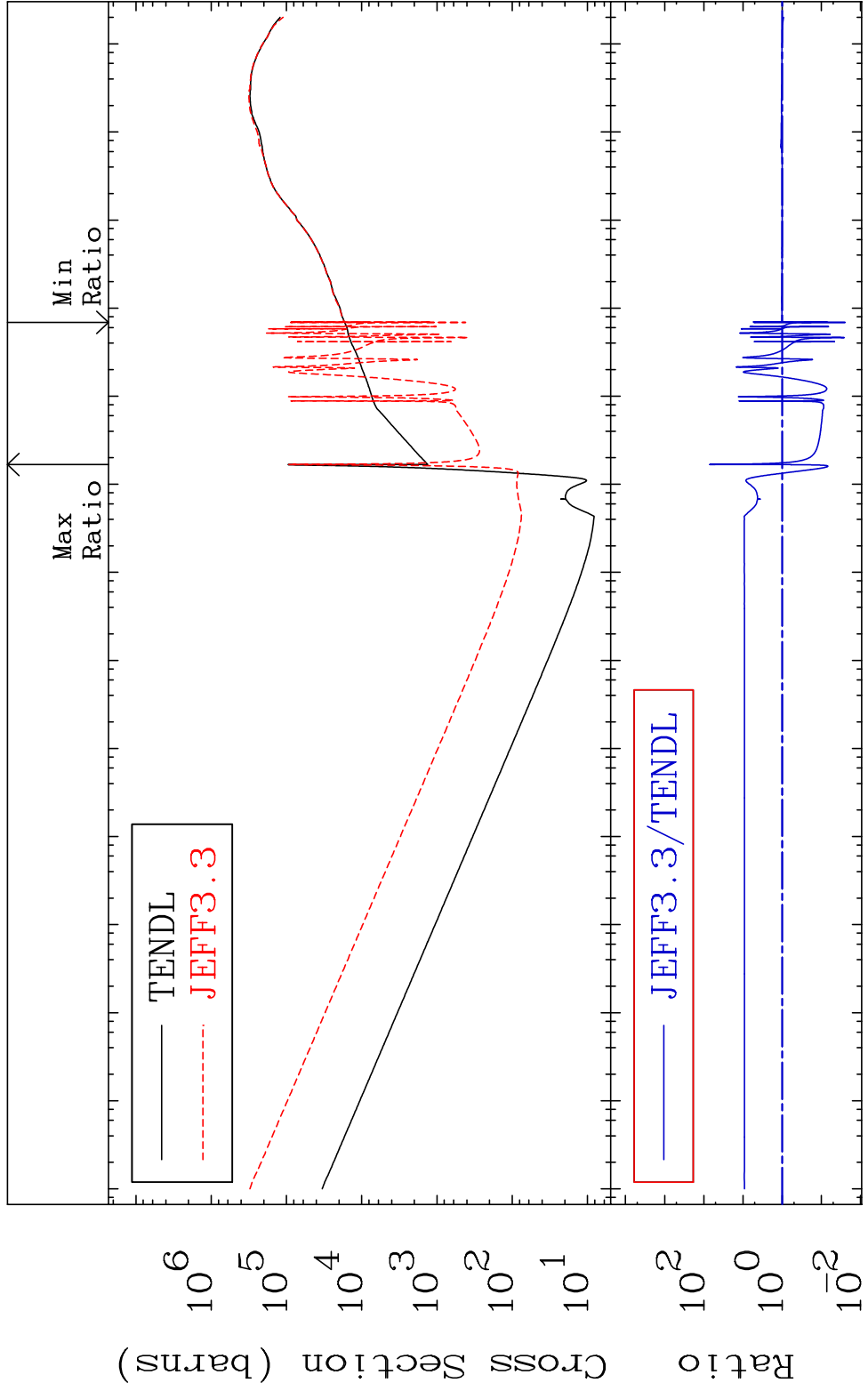


56 Incident Energy (eV) 22-Ti-44

MAT 2219 Total kinematic kerma (high limit) 22-Ti-44
 Cross Section -81.56 To 5317. %



MAT 2219 Dpa total (eV-barns) 22-Ti-44
 Cross Section -97.55 To 6937. %

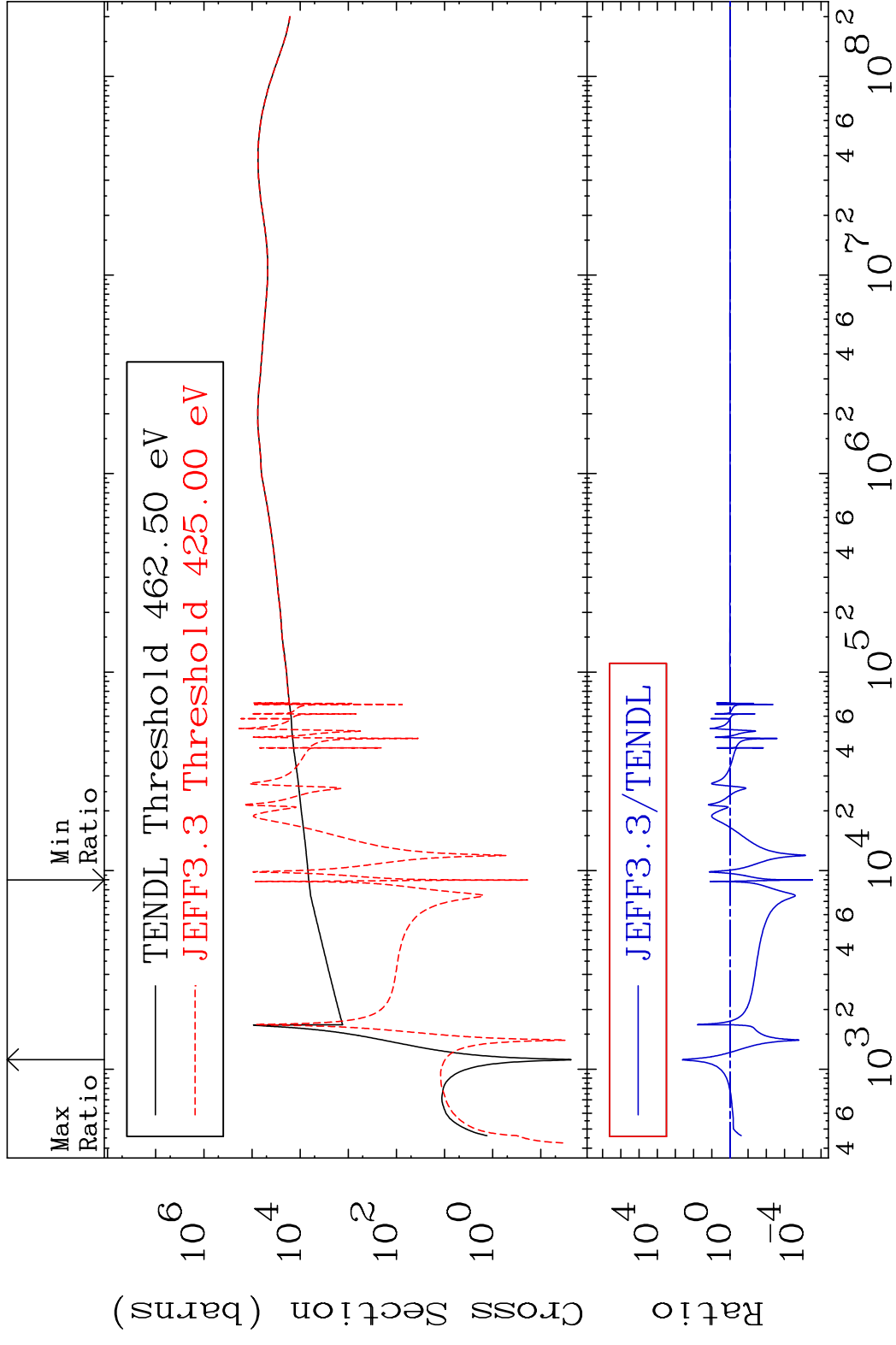


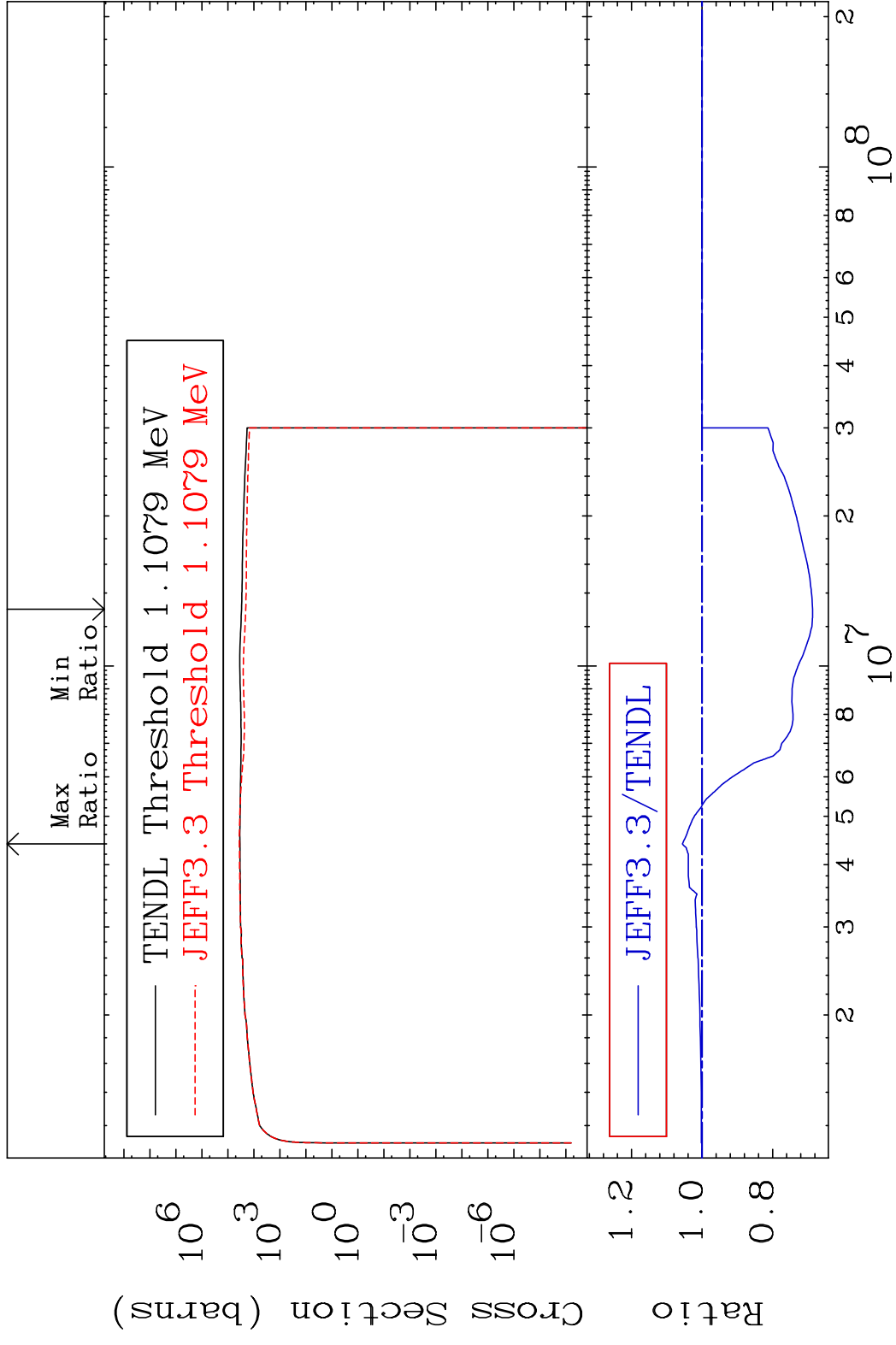
MAT 2219

Dpa elastic (mt2)

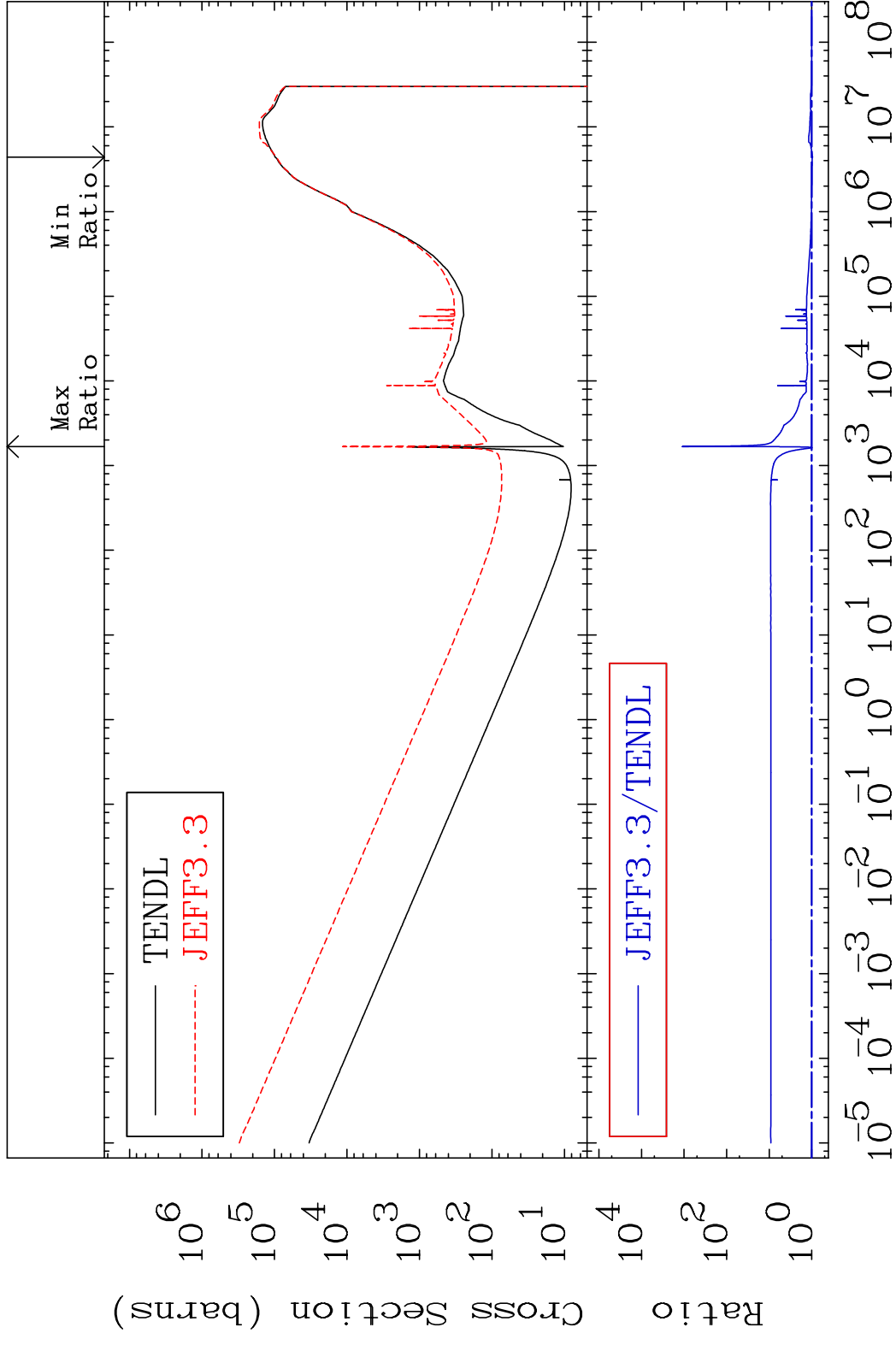
22-Ti-44

Cross Section -100.0 To 9999. %

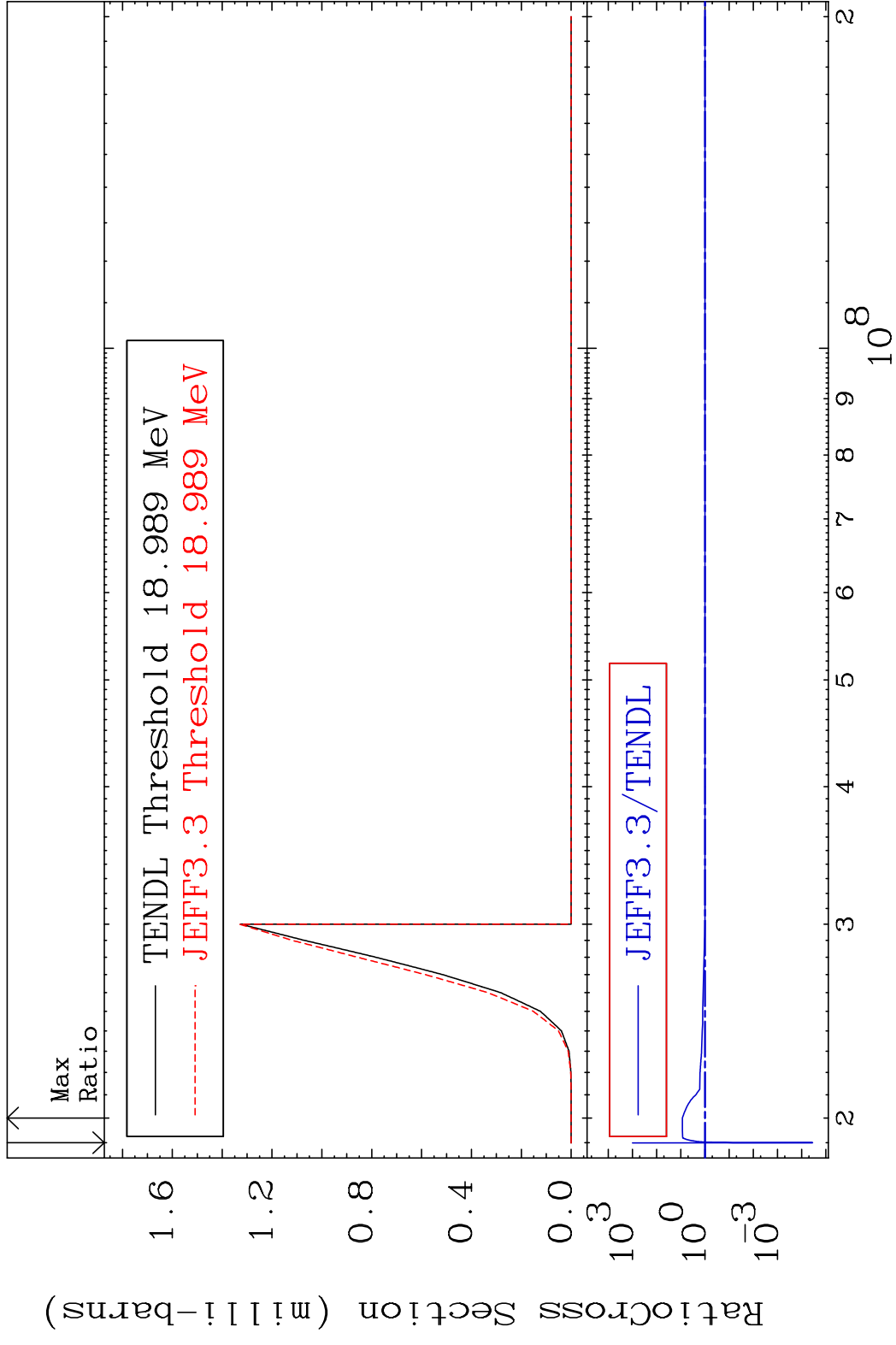


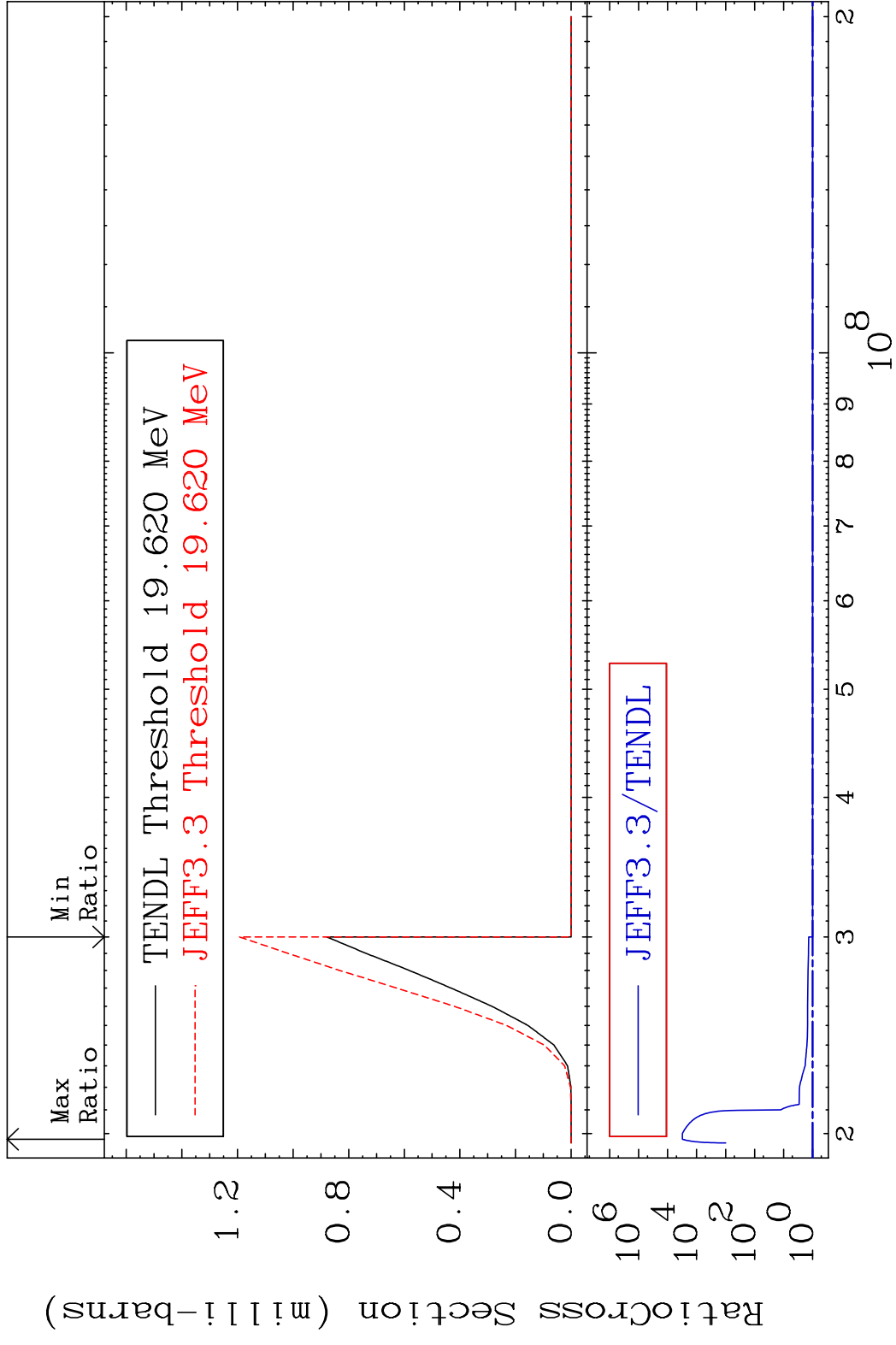


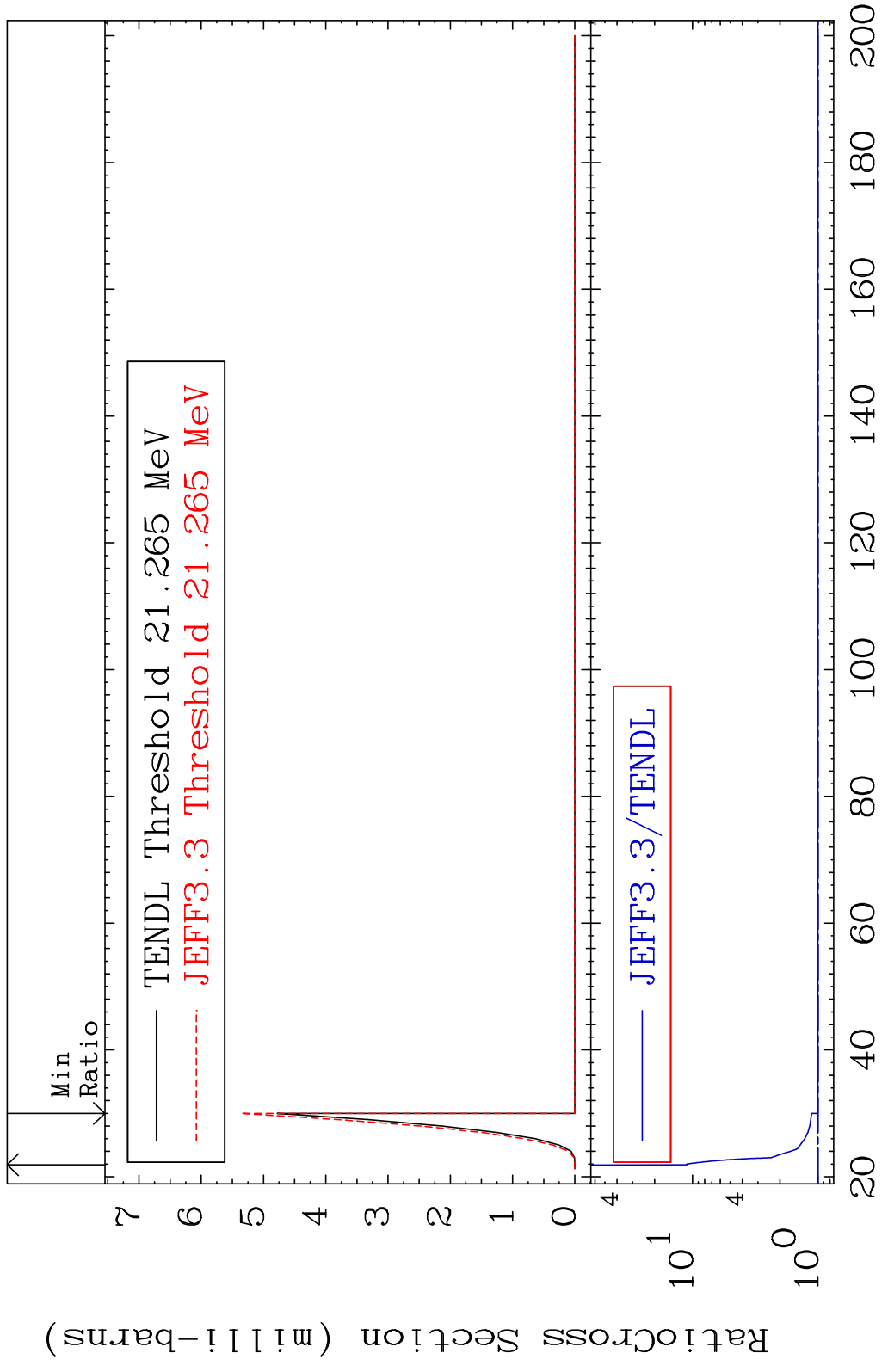
MAT 2219 Dpa disappearance (mt102 -120) 22-Ti-44
 Cross Section -4.110 To 9999. %

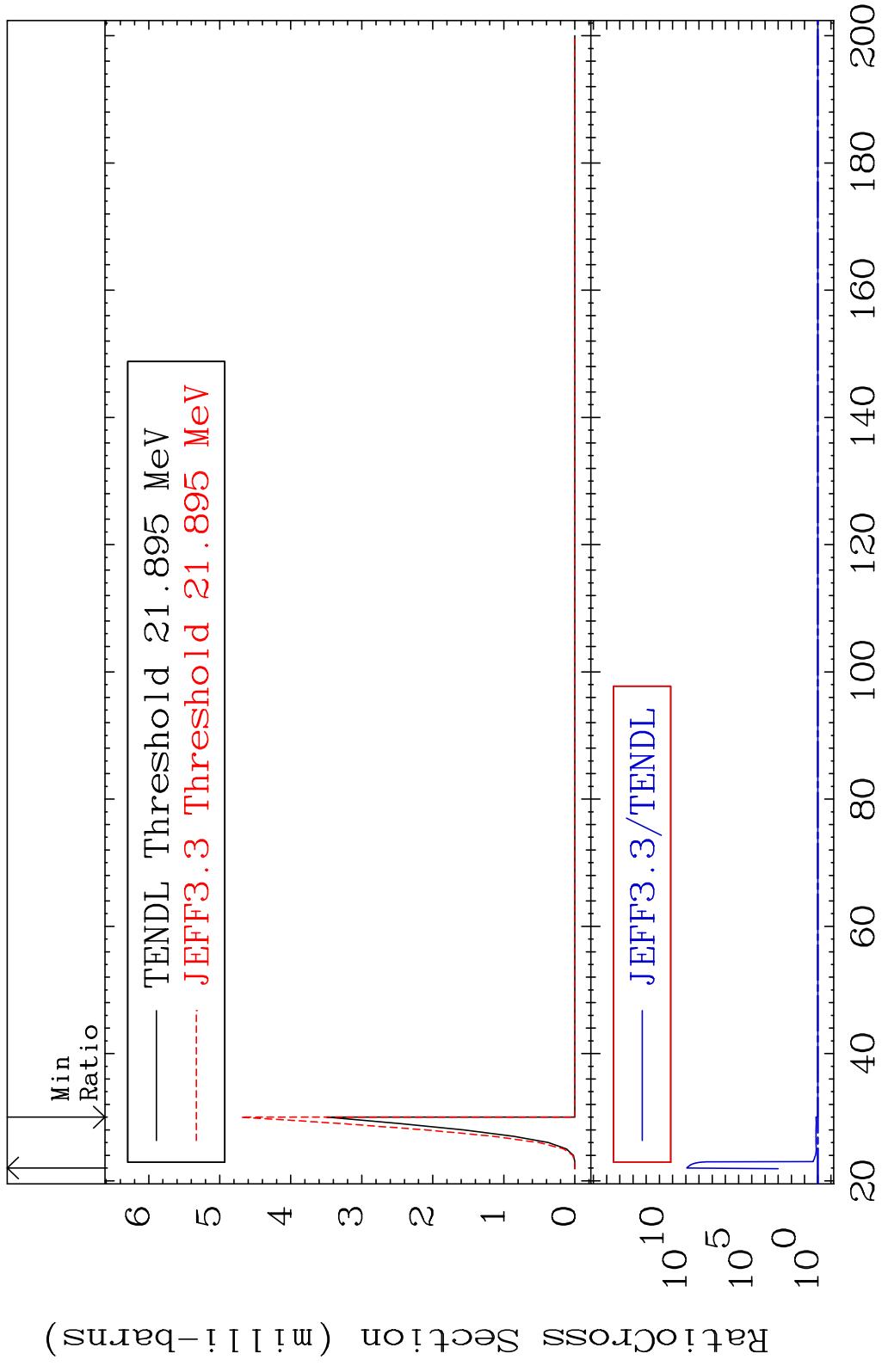


61 Incident Energy (eV) 22-Ti-44

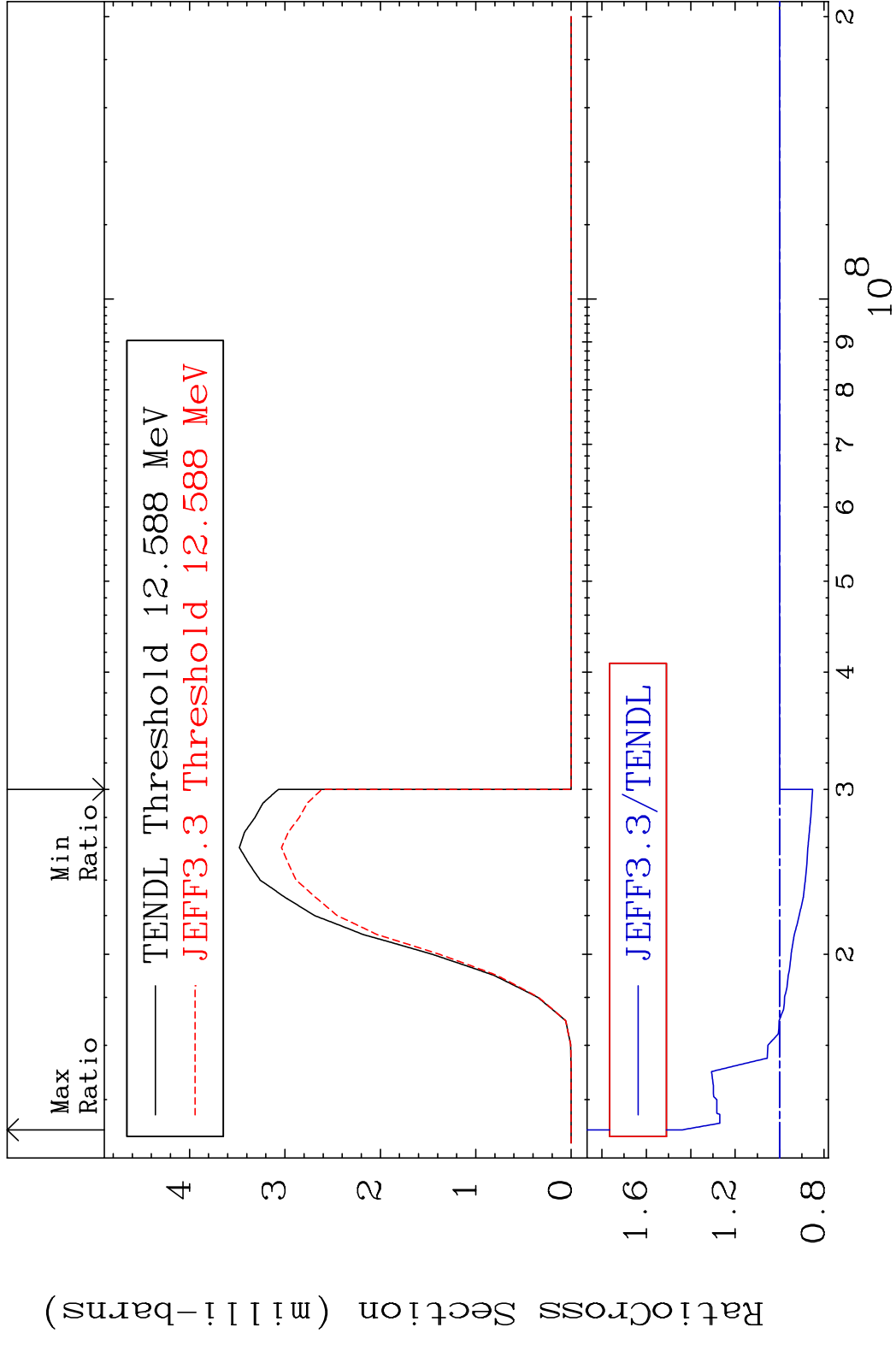








MAT 2219 (n, t):21-Sc-42g 22-Ti-44
 Radionuclide Production Cross Section 43.76 %



MAT 2219 (n, t):21-Sc-42m2 22-Ti-44
 Radionuclide Production Cross Section 24.86 %

