

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

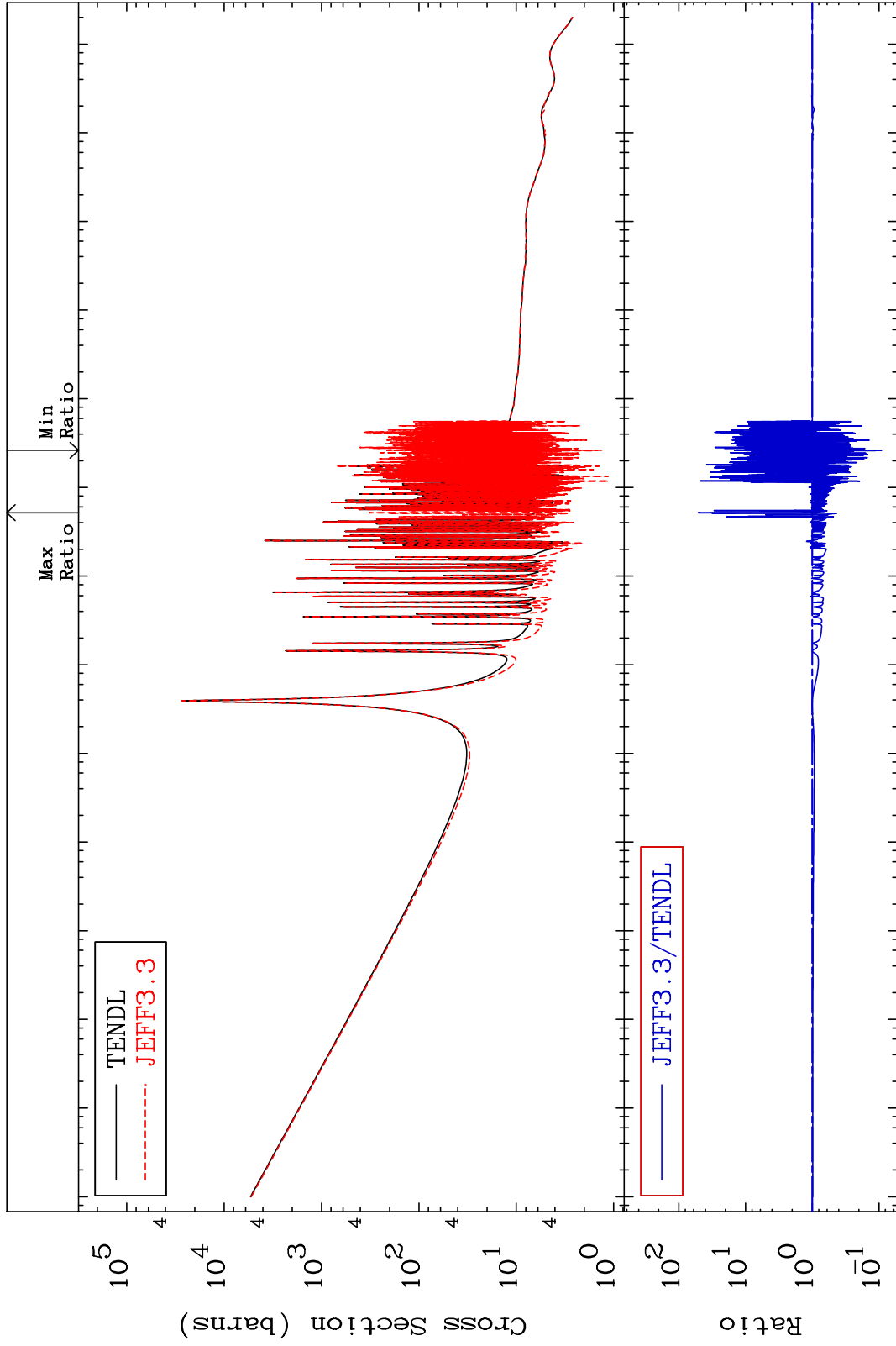
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6925

Total
Cross Section

69-Tm-169
-90.87 To 4994. %



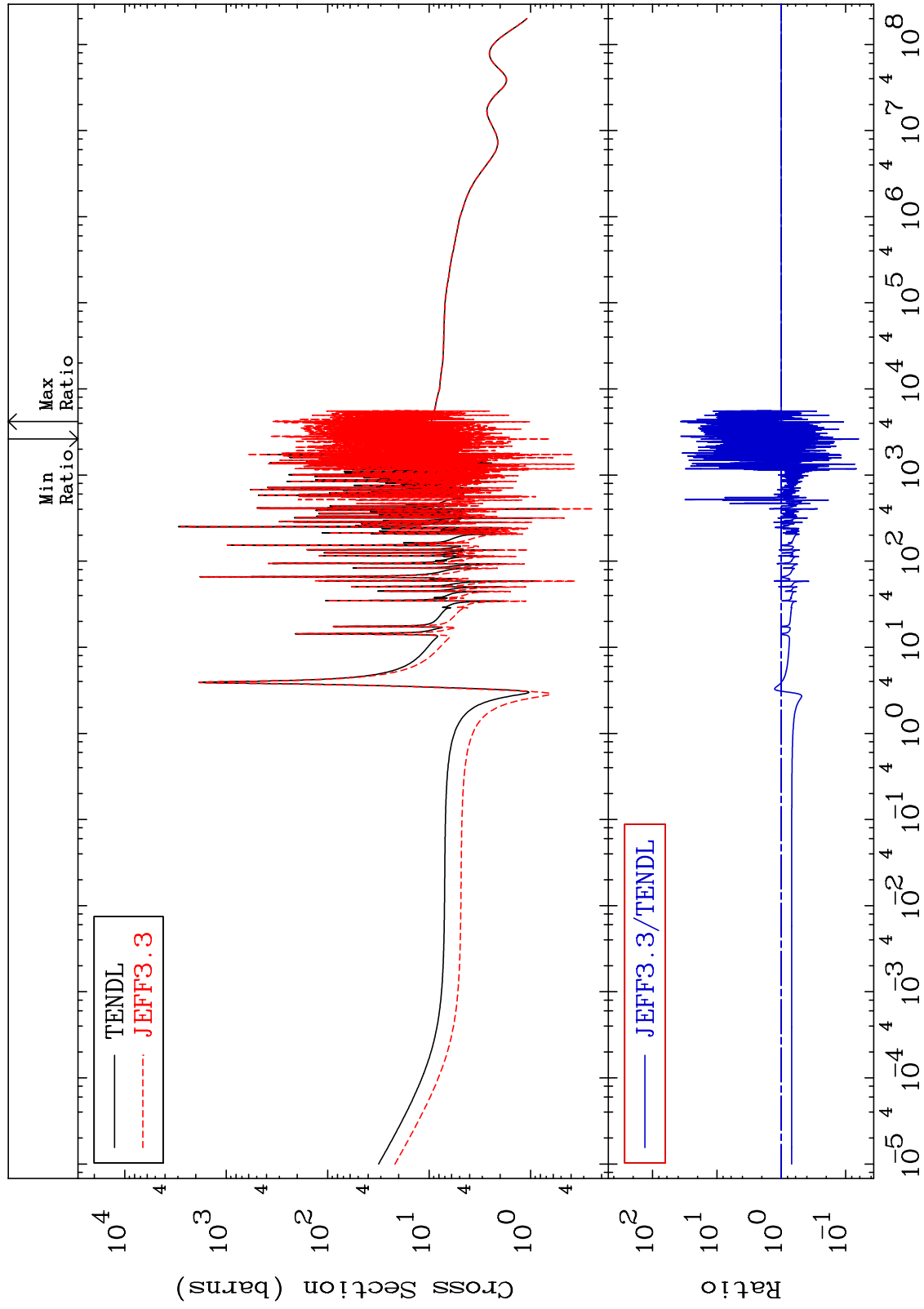
Incident Energy (eV)

69-Tm-169

MAT 6925

Elastic
Cross Section

69-Tm-169
-93.70 To 3582. %

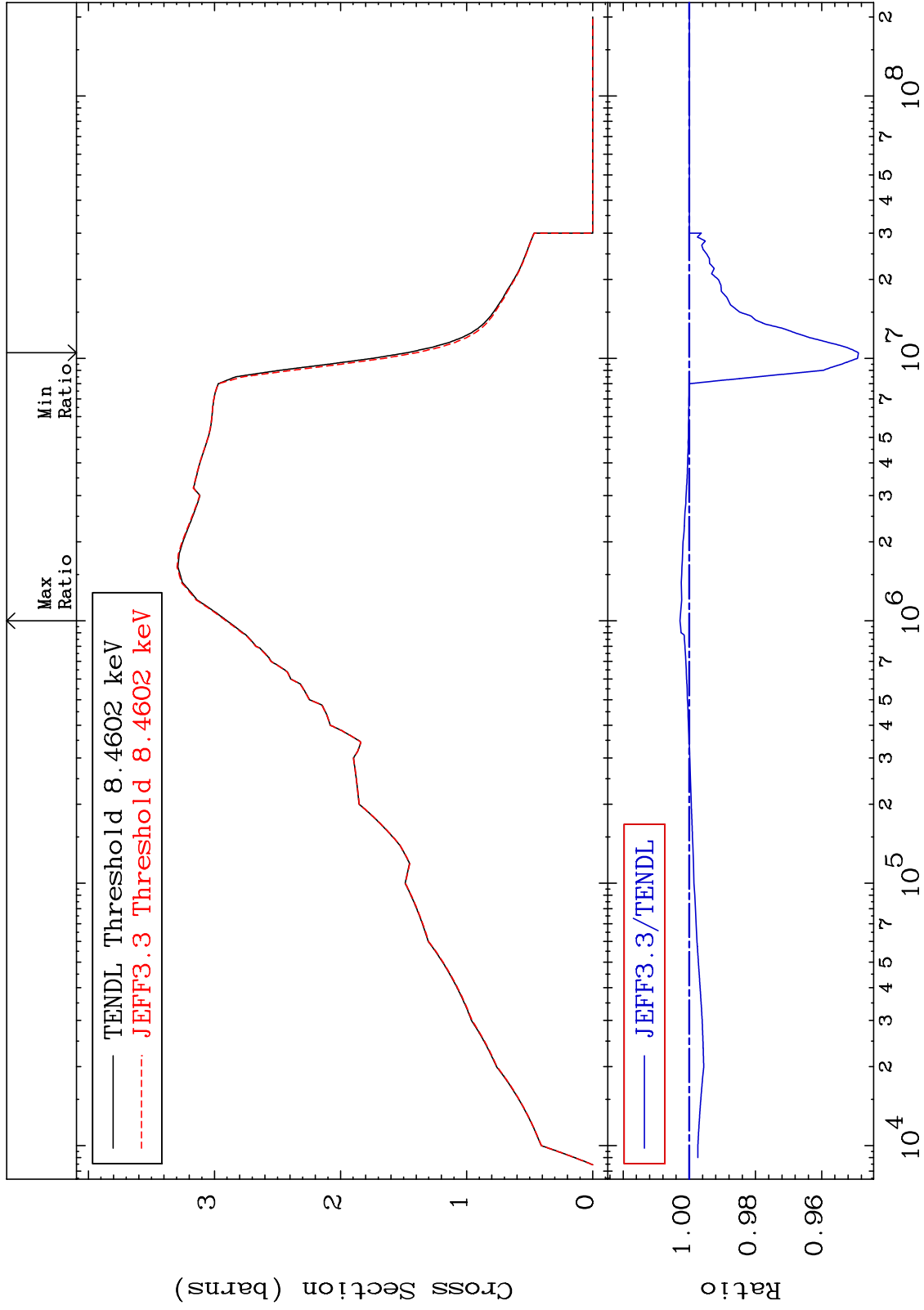


MAT 6925

Inelastic
Cross Section

69-Tm-169

-5.112 To 0.281 %



Incident Energy (eV)

69-Tm-169

3

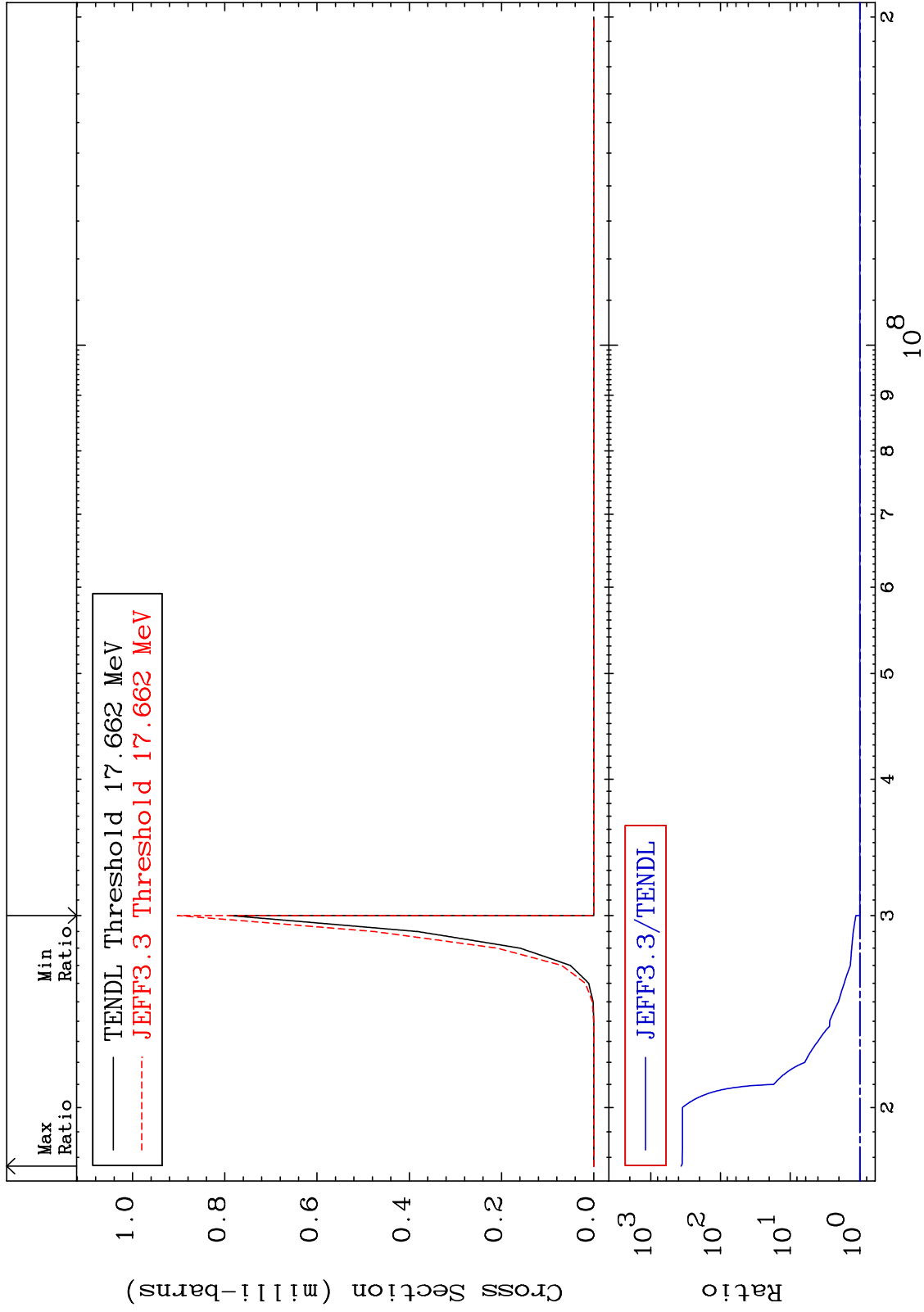
MAT 6925

(n,2n) d

69-Tm-169

Cross Section

0.000 To 9999. %



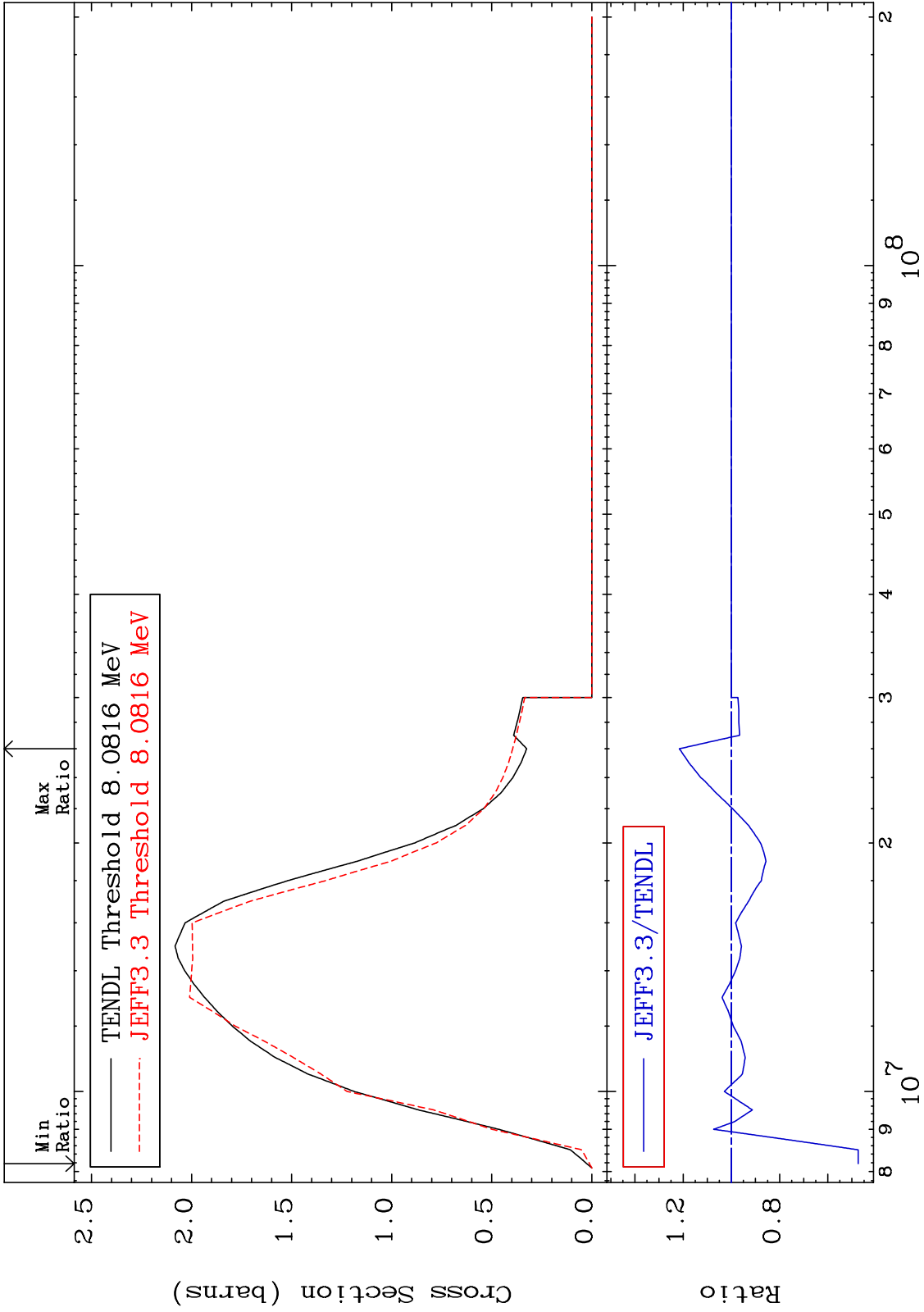
MAT 6925

(n, 2n)

69-Tm-169

-52.61 To 21.57 %

Cross Section



Incident Energy (eV)

69-Tm-169

5

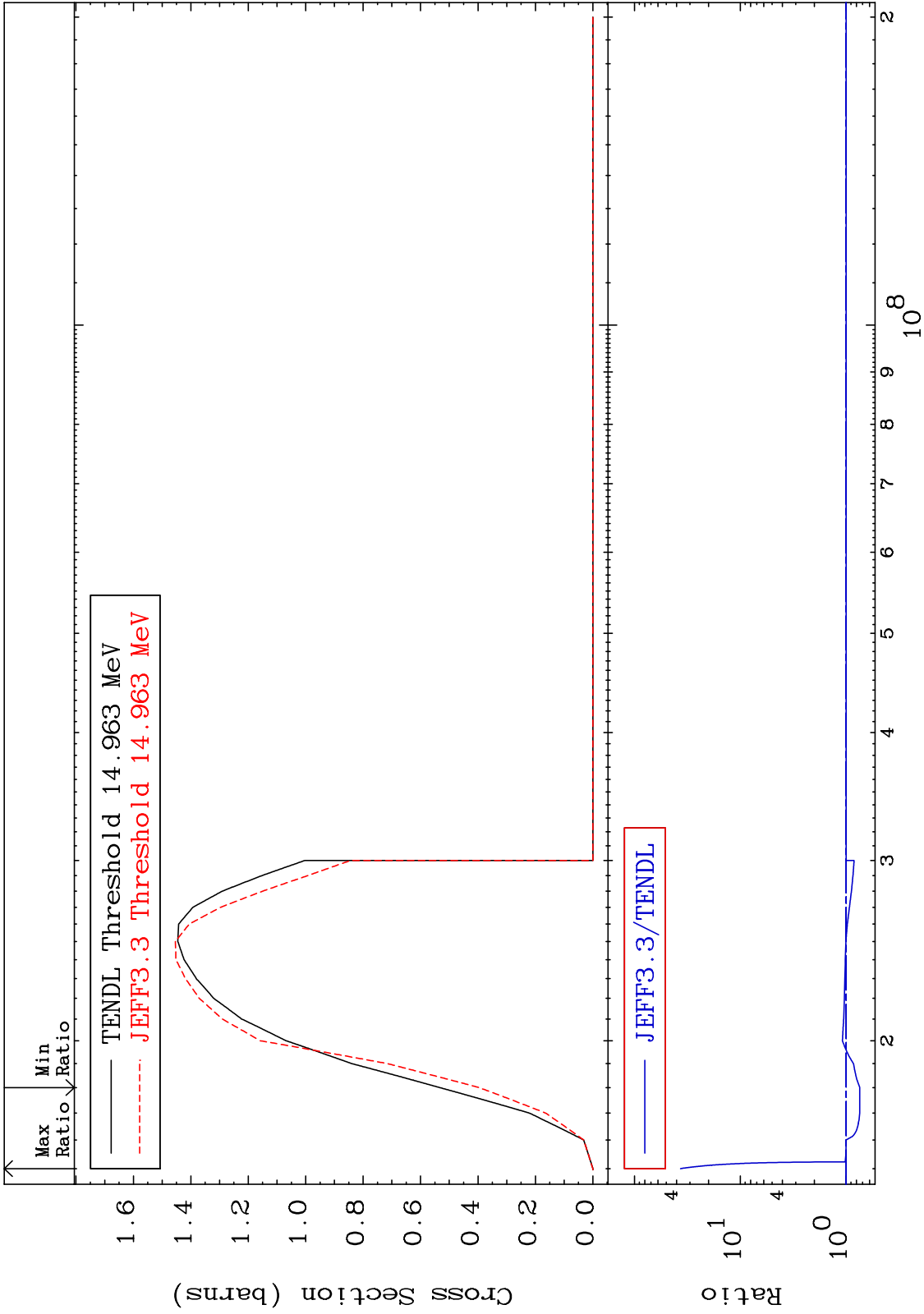
MAT 6925

(n,3n)

69-Tm-169

Cross Section

-25.66 To 3568. %



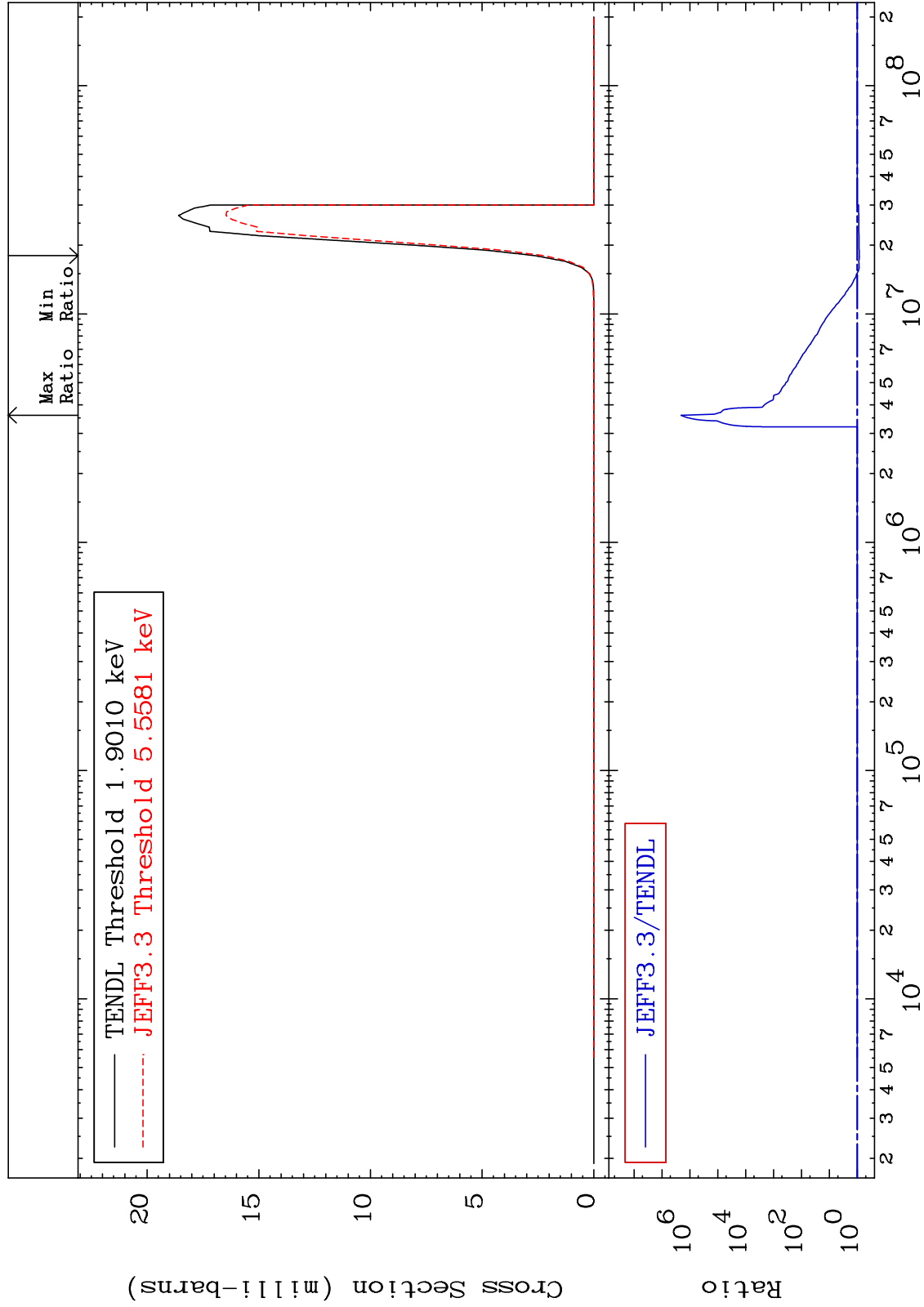
MAT 6925

(n, n') α

69-Tm-169

Cross Section

-15.18 To 9999. %



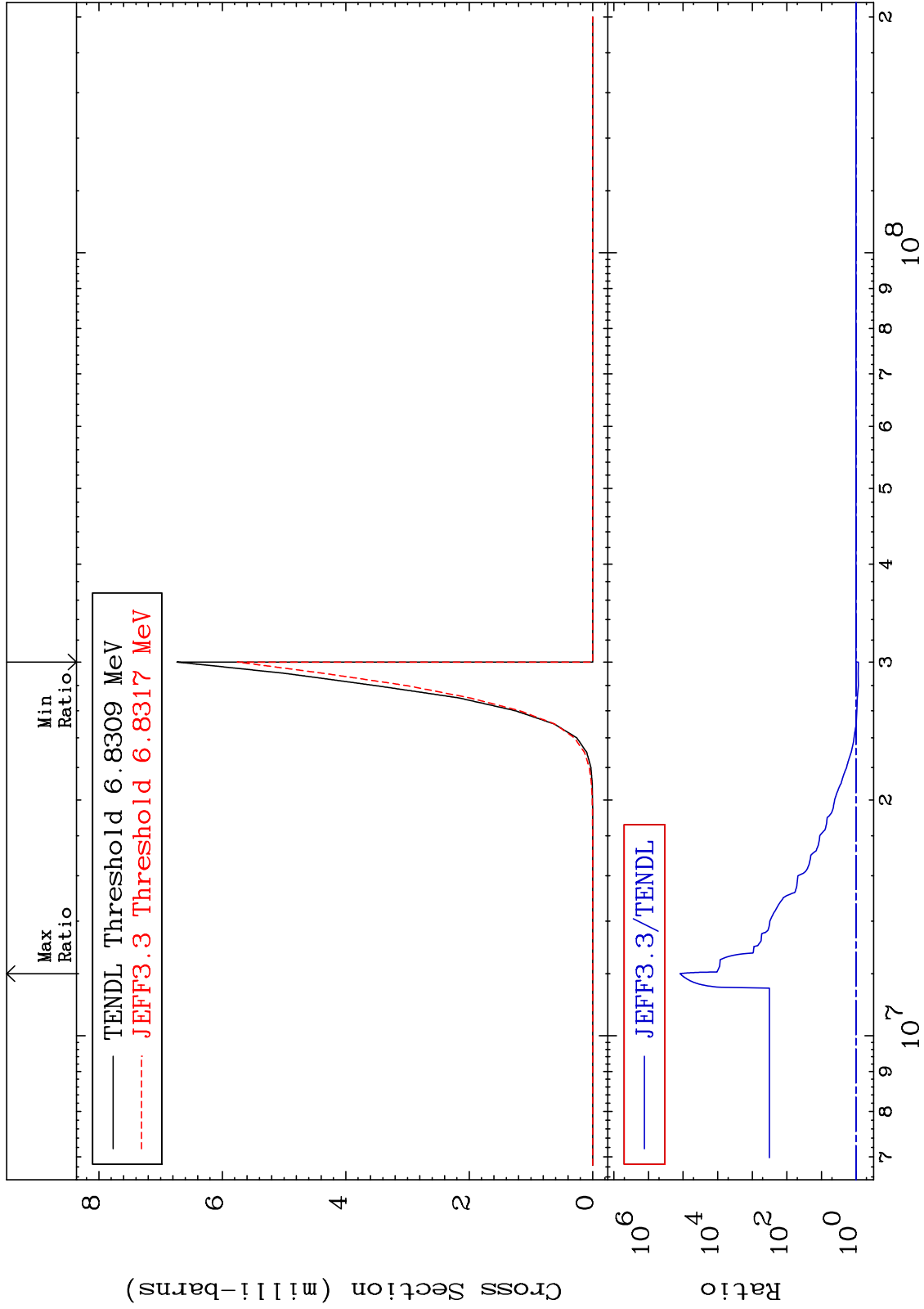
MAT 6925

(n,2n) α

69-Tm-169

-14.51 To 9999. %

Cross Section



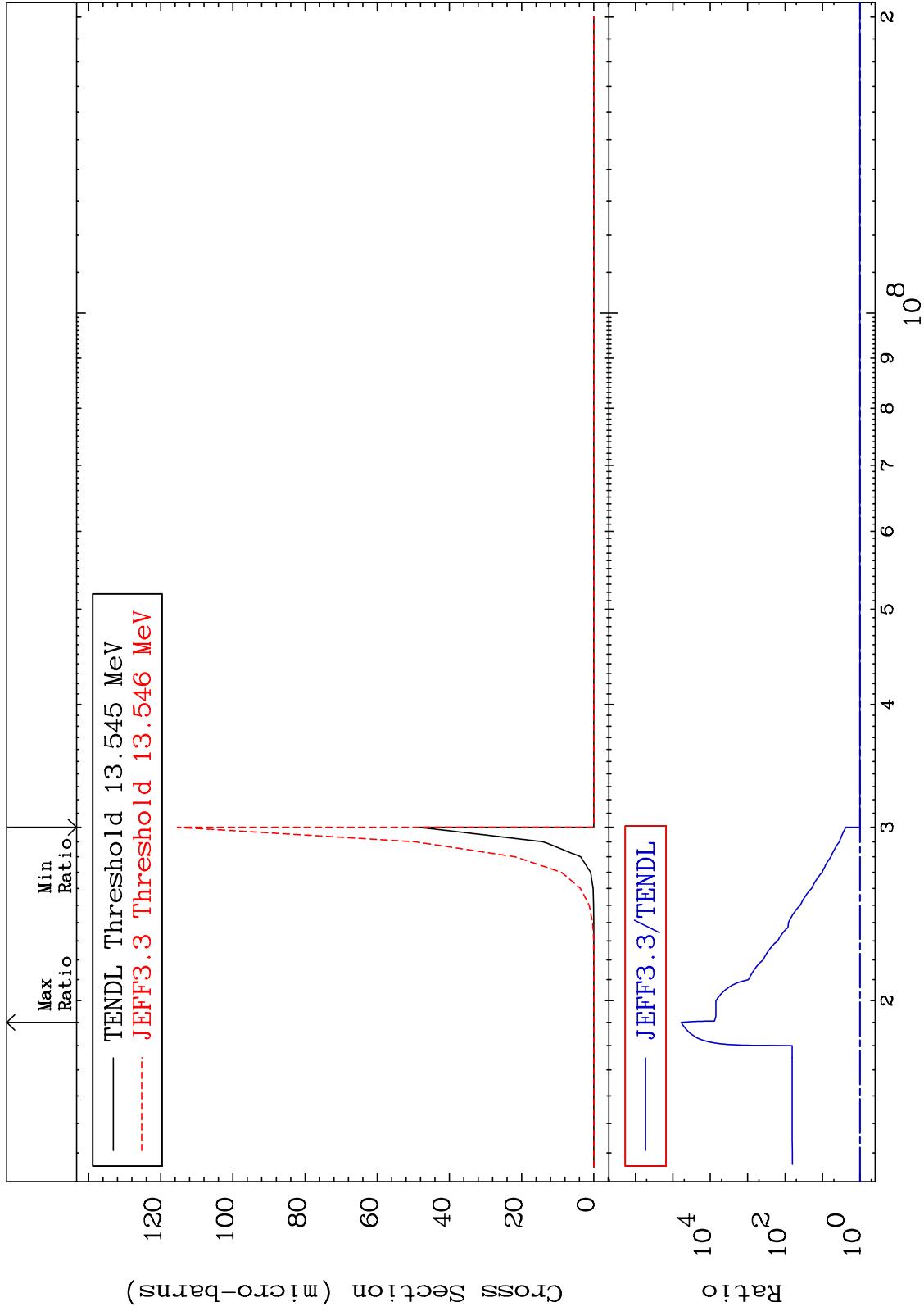
MAT 6925

(n,3n) α

69-Tm-169

Cross Section

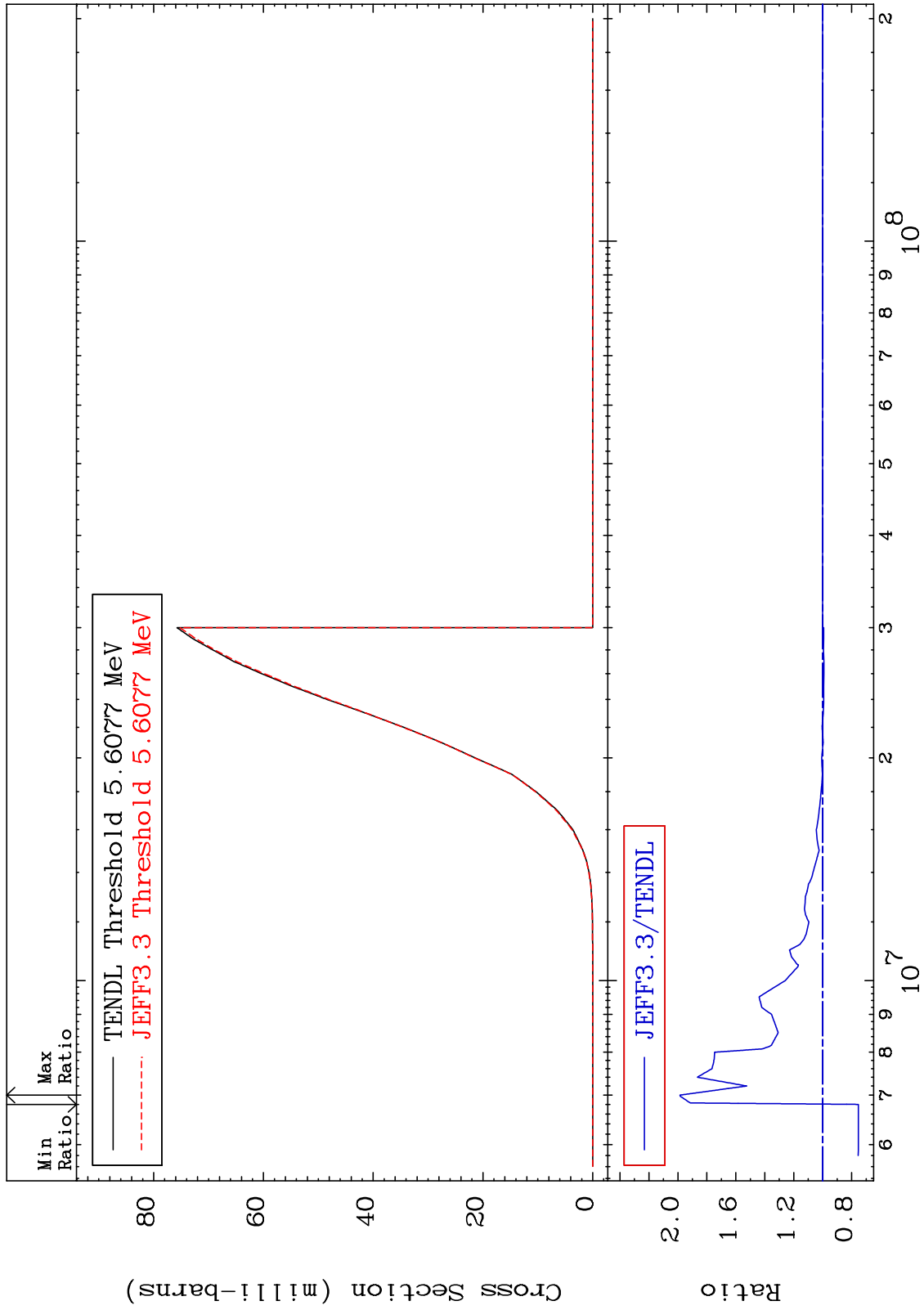
0.000 To 9999. %



MAT 6925

(n, n') p
Cross Section

69-Tm-169
-24.66 To 98.53 %



10

Incident Energy (eV)

69-Tm-169

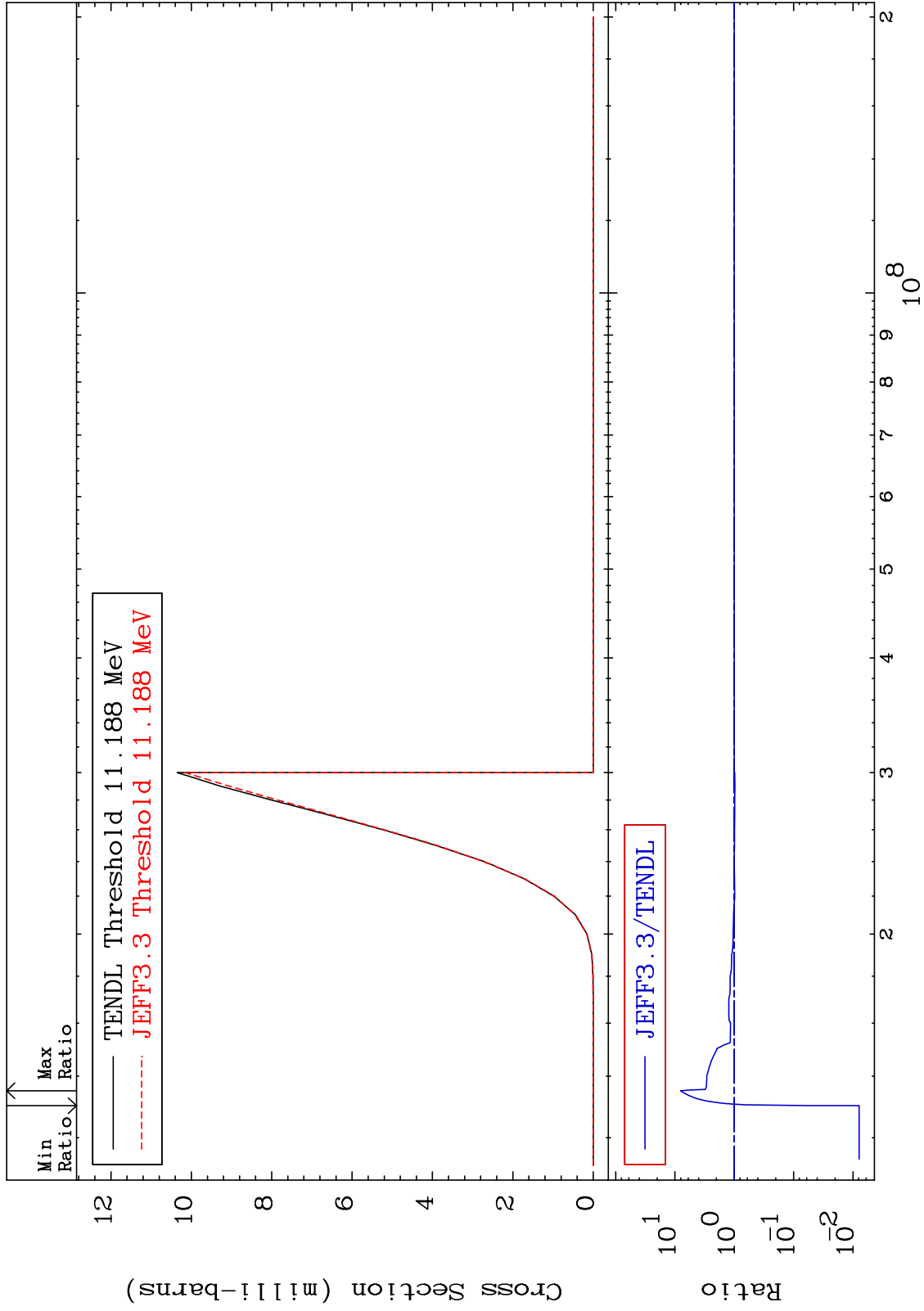
MAT 6925

(n, n') d

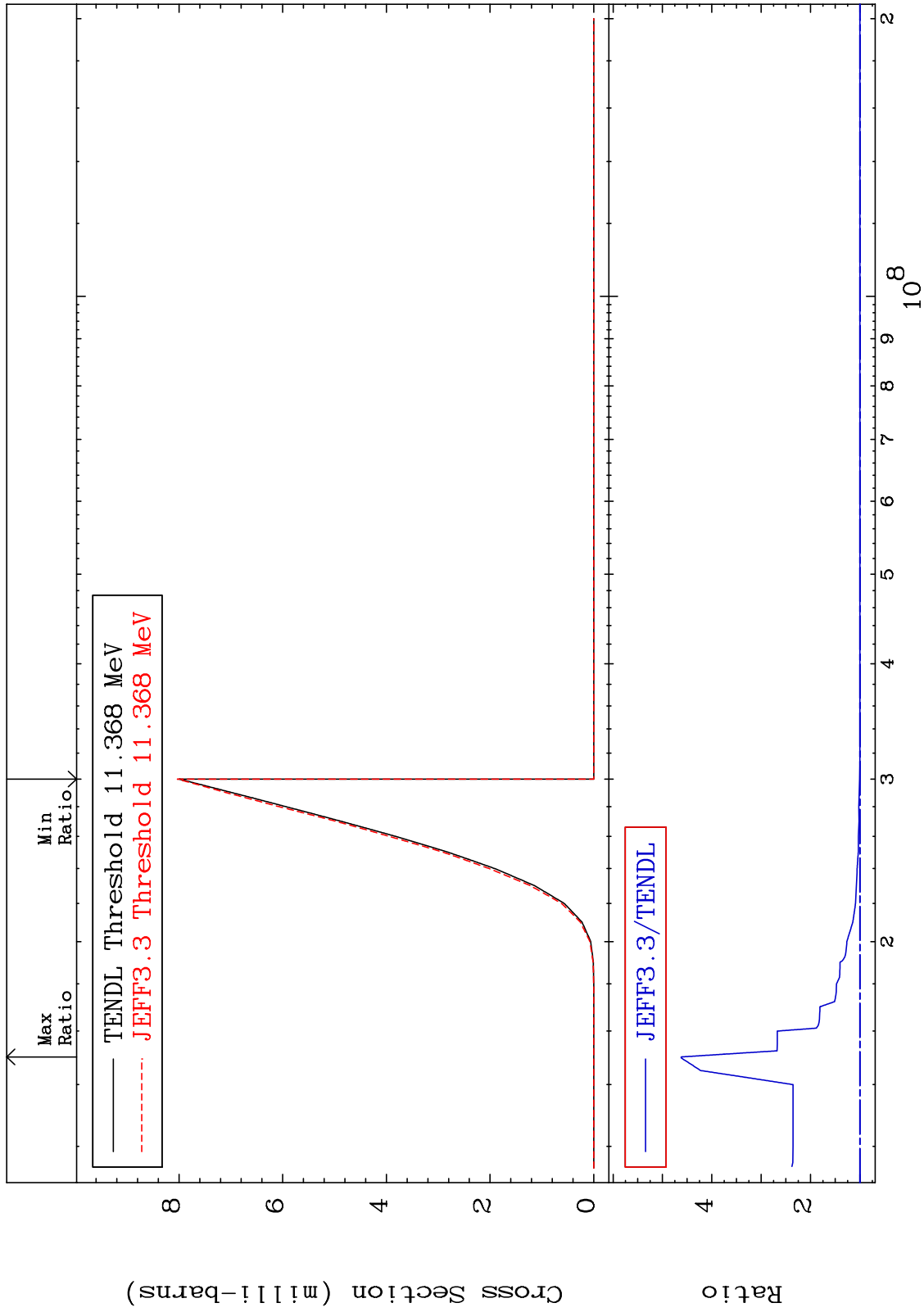
69-Tm-169

Cross Section

-99.21 To 702.6 %

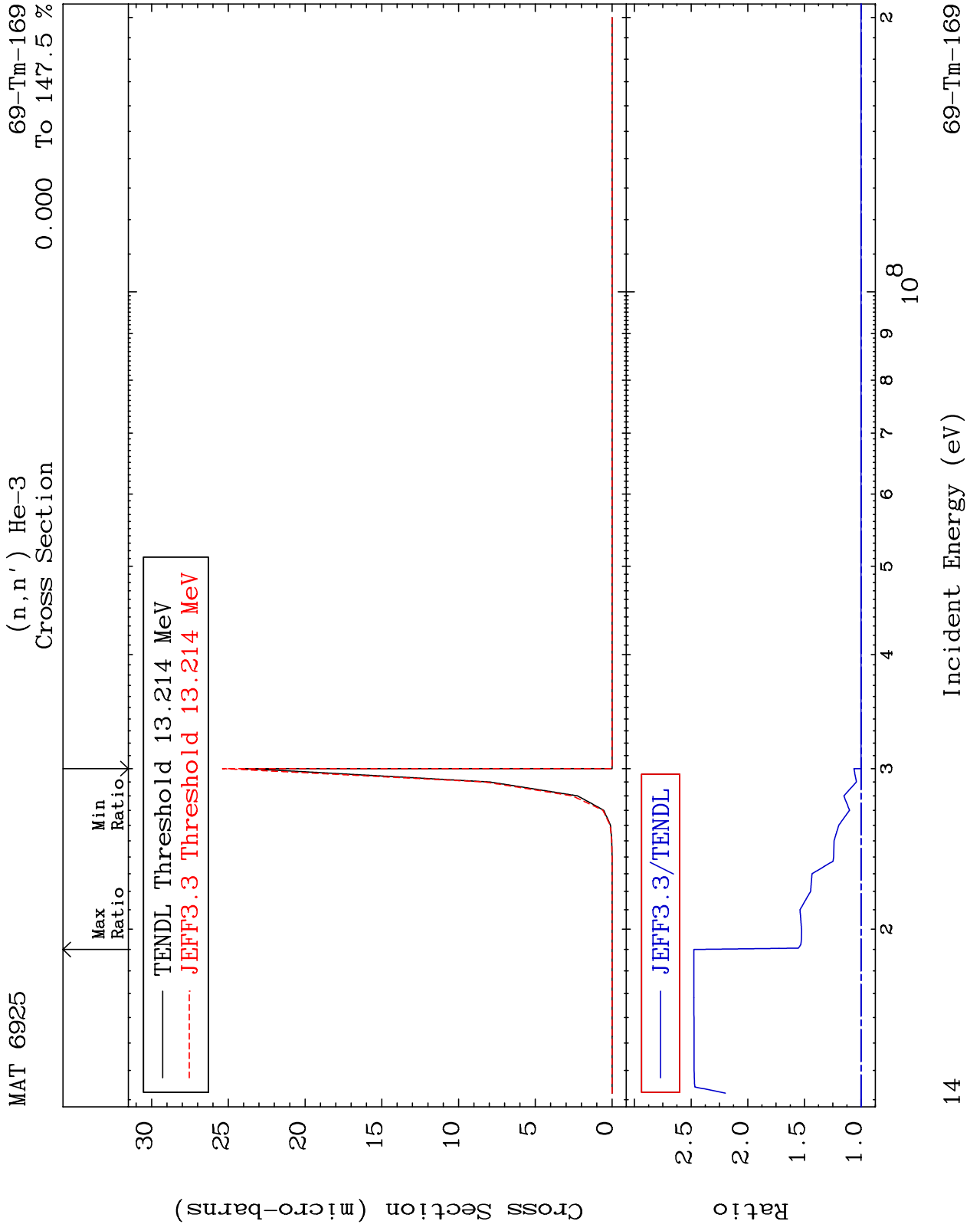


MAT 6925 (n, n') t 69-Tm-169
 Cross Section 0.000 To 362.0 %



69-Tm-169

Incident Energy (eV)



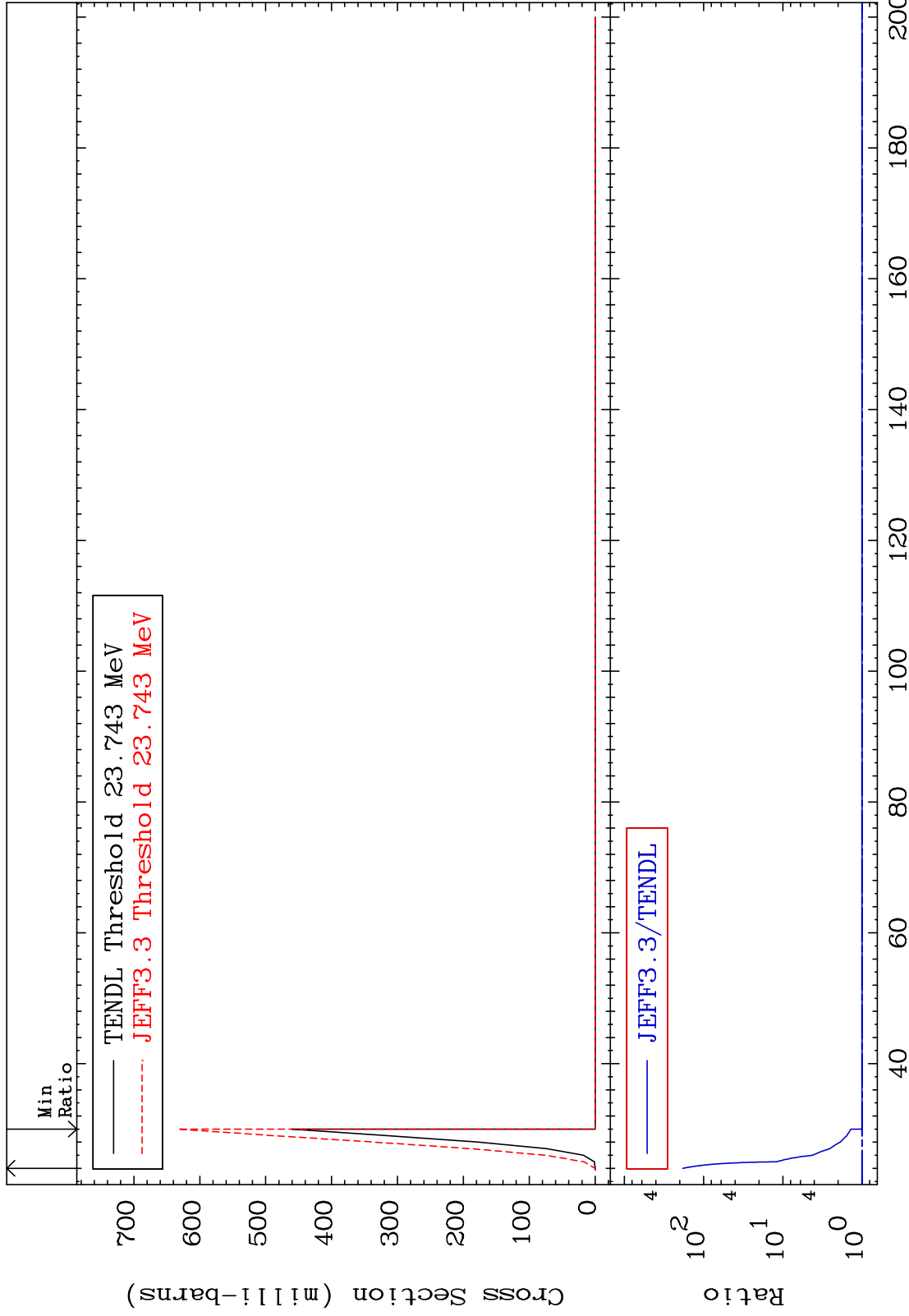
MAT 6925

(n, 4n)

69-Tm-169

Cross Section

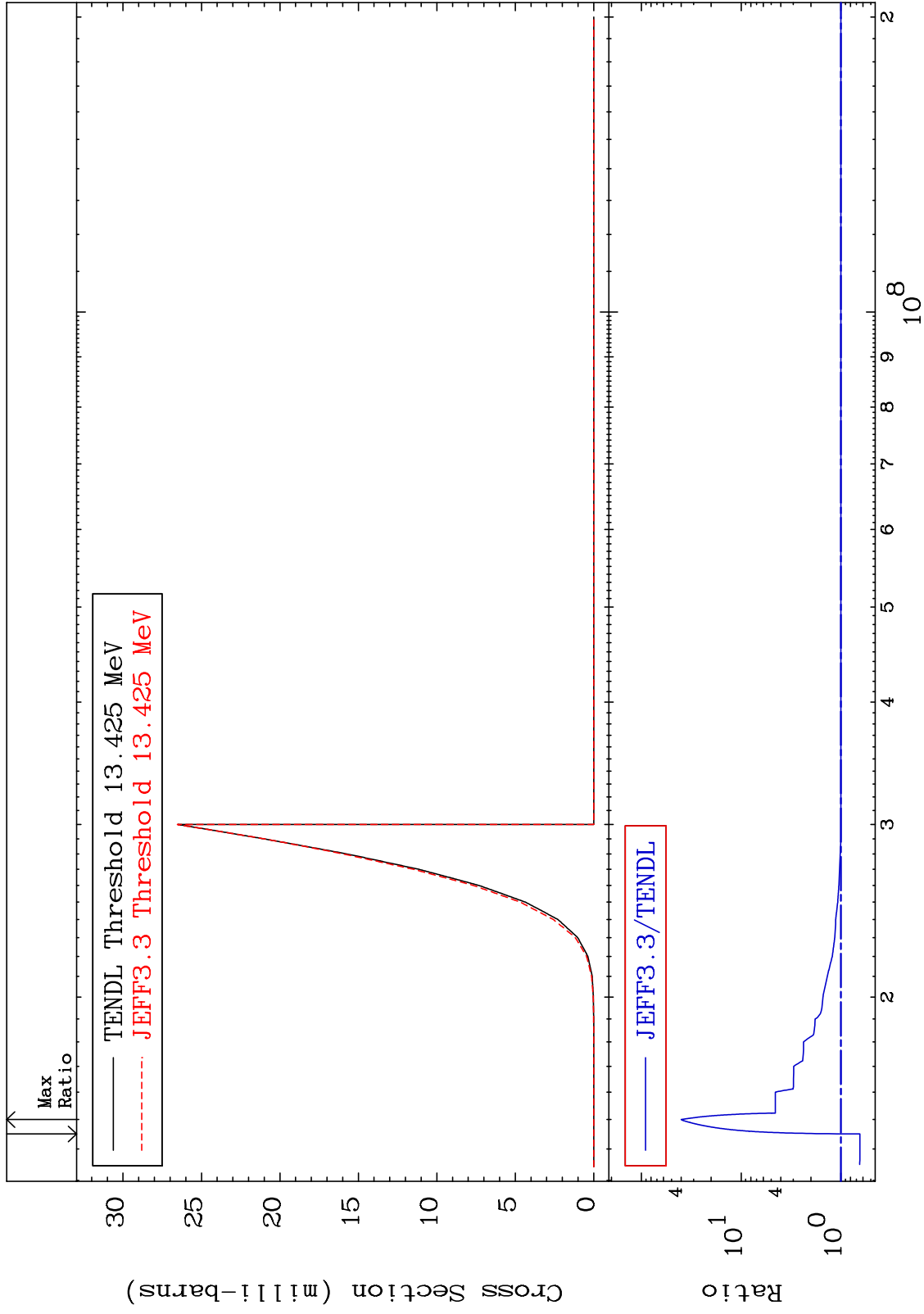
0.000 To 9999. %



MAT 6925

(n,2n) p
Cross Section

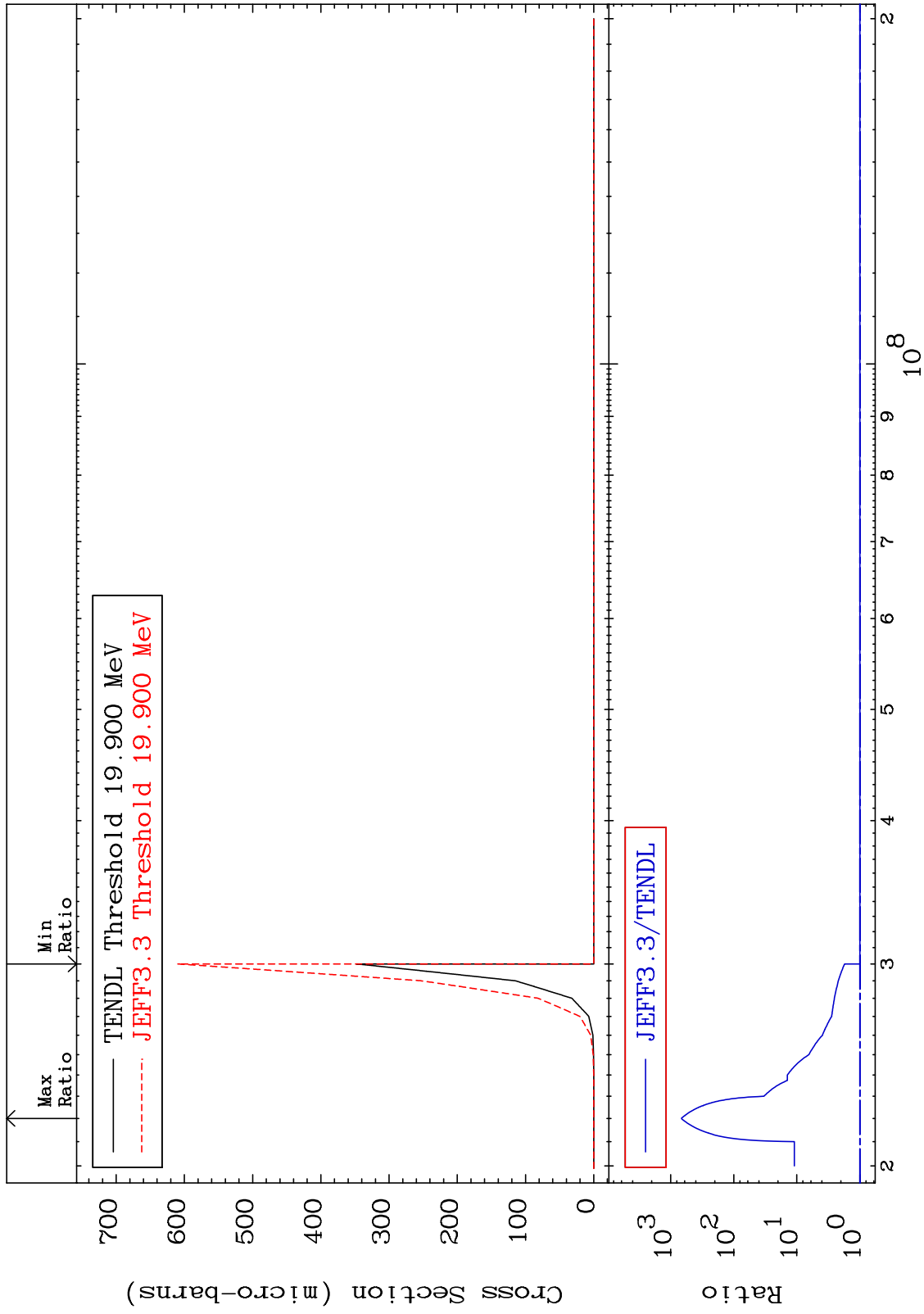
69-Tm-169
-35.61 To 3888. %



MAT 6925

(n,3n) p
Cross Section

69-Tm-169
0.000 To 9999. %



17

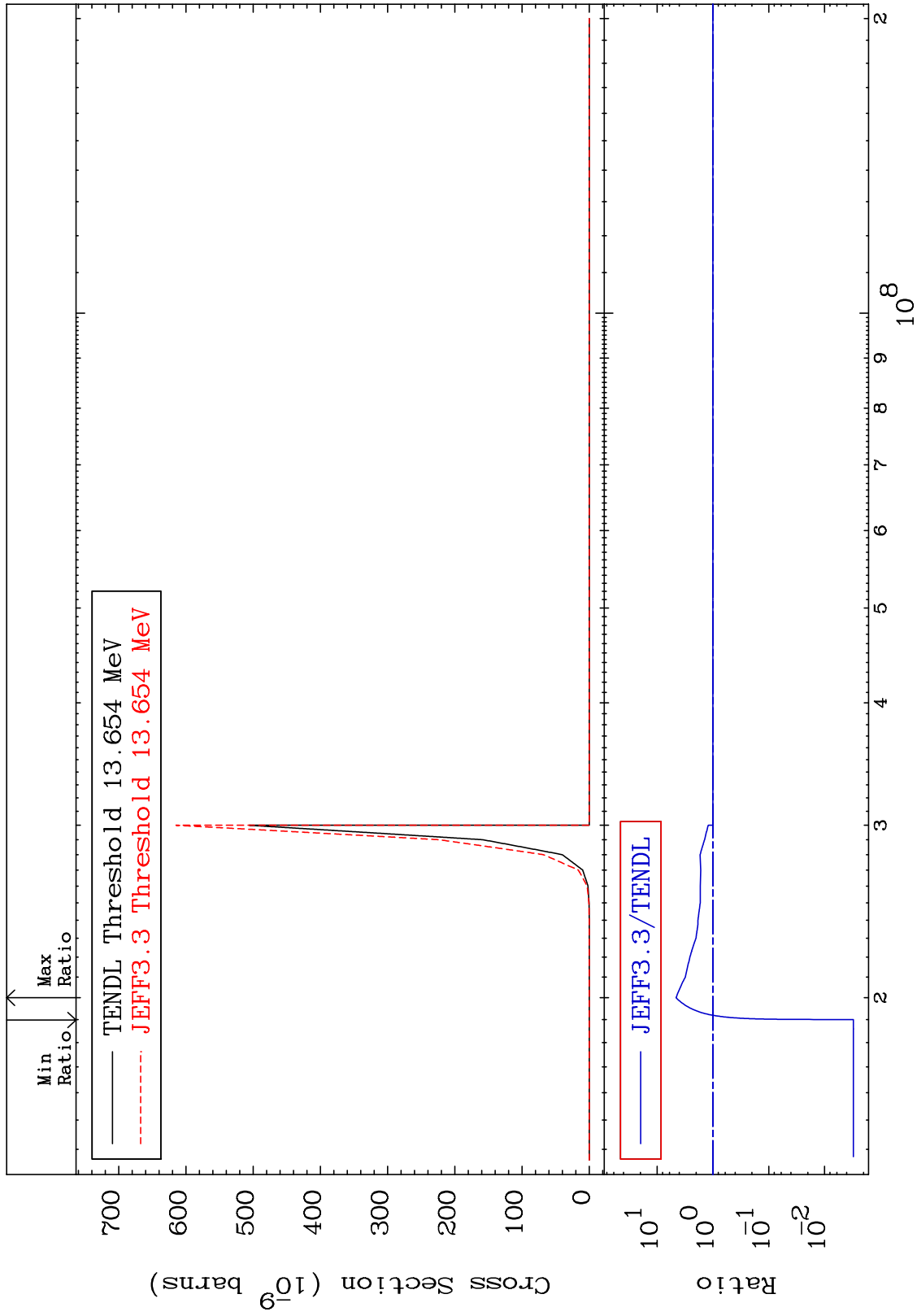
Incident Energy (eV)

69-Tm-169

MAT 6925

(n,2n) p
Cross Section

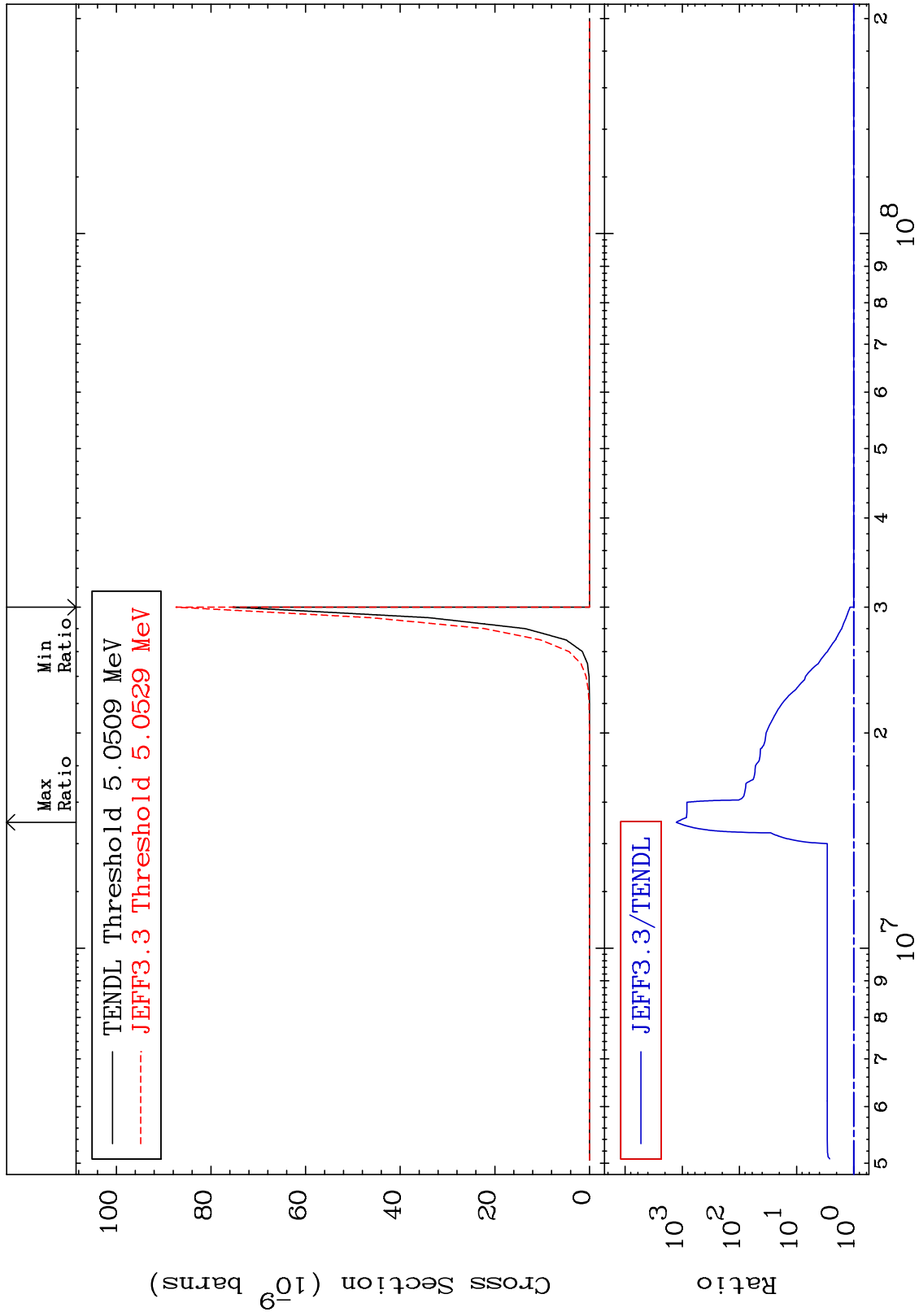
69-Tm-169
-99.70 To 358.0 %



MAT 6925

(n,n') p α
Cross Section

69-Tm-169
0.000 To 9999. %

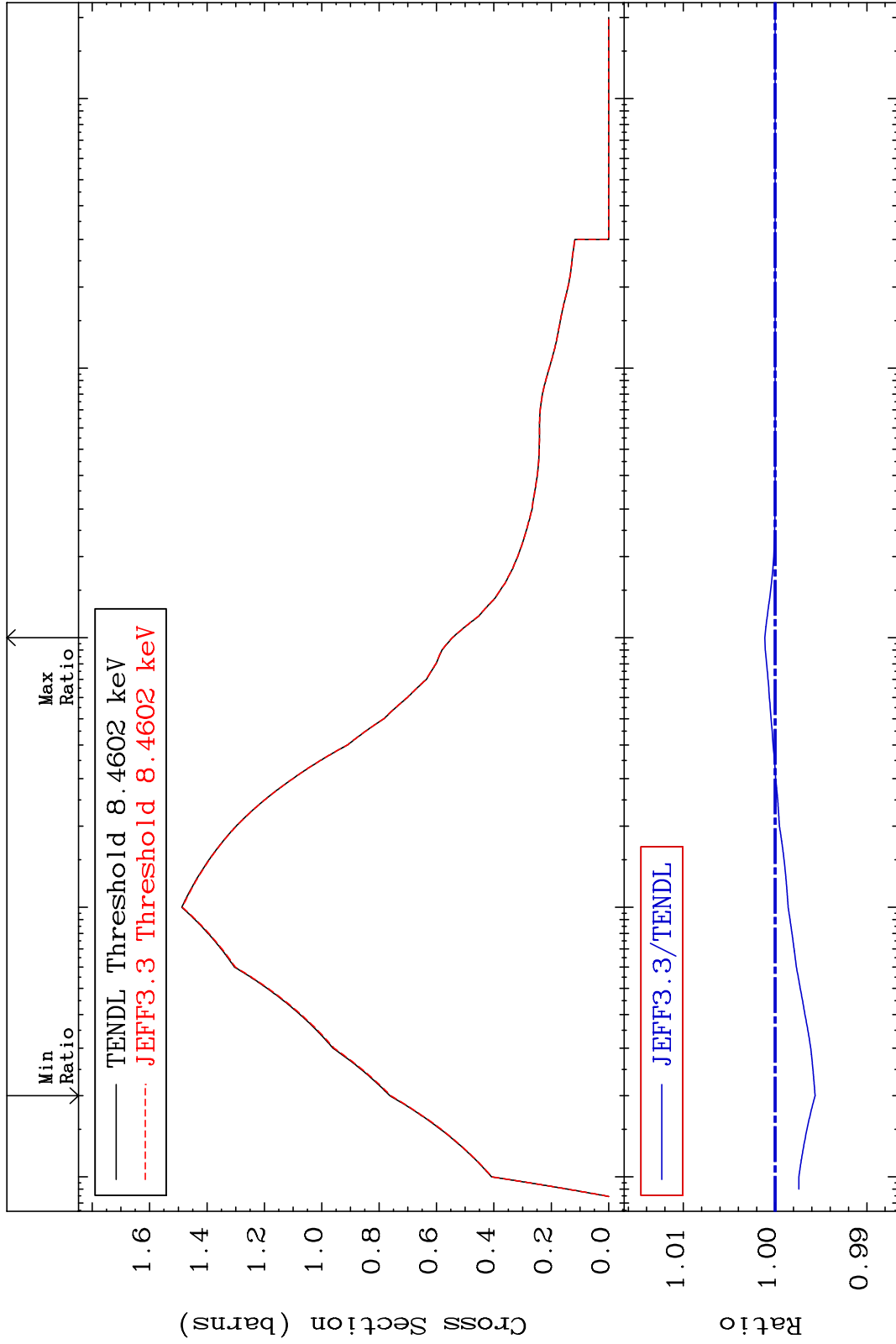


MAT 6925

MT= 51 (n,n') Level

69-Tm-169

Cross Section
-0.436 To 0.112 %



Incident Energy (eV)

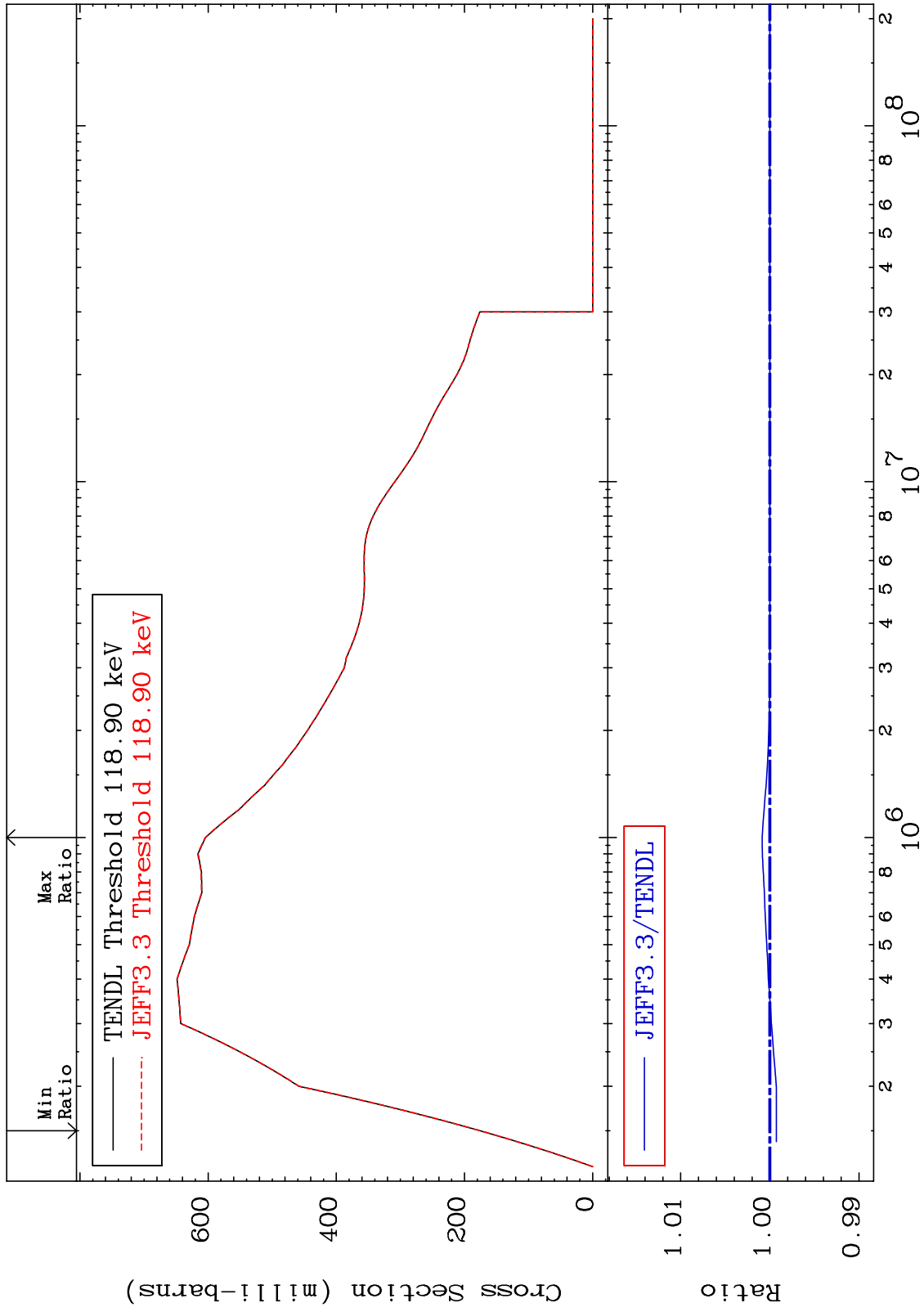
69-Tm-169

20

MAT 6925

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

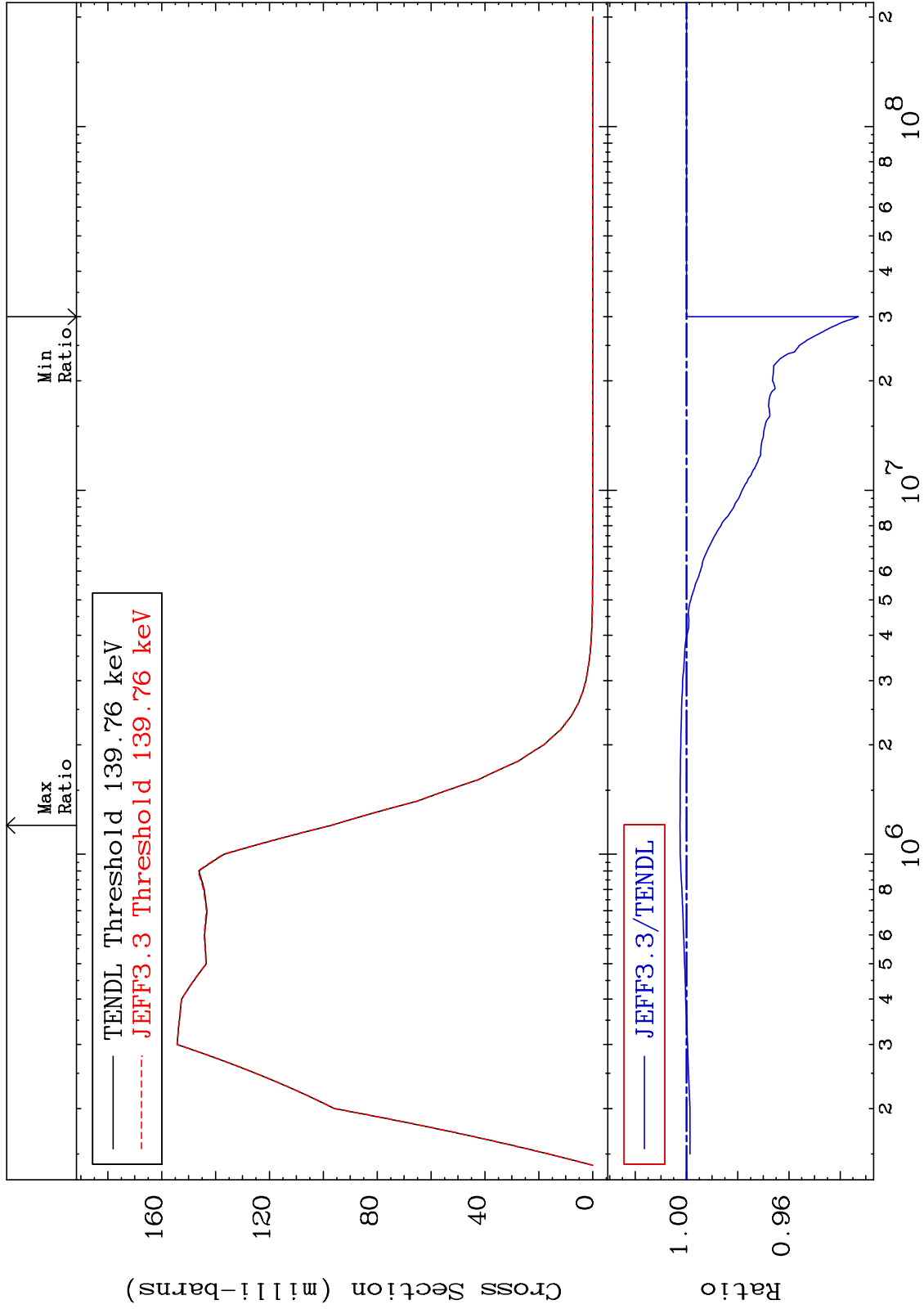
69-Tm-169
-0.072 To 0.087 %



MAT 6925

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

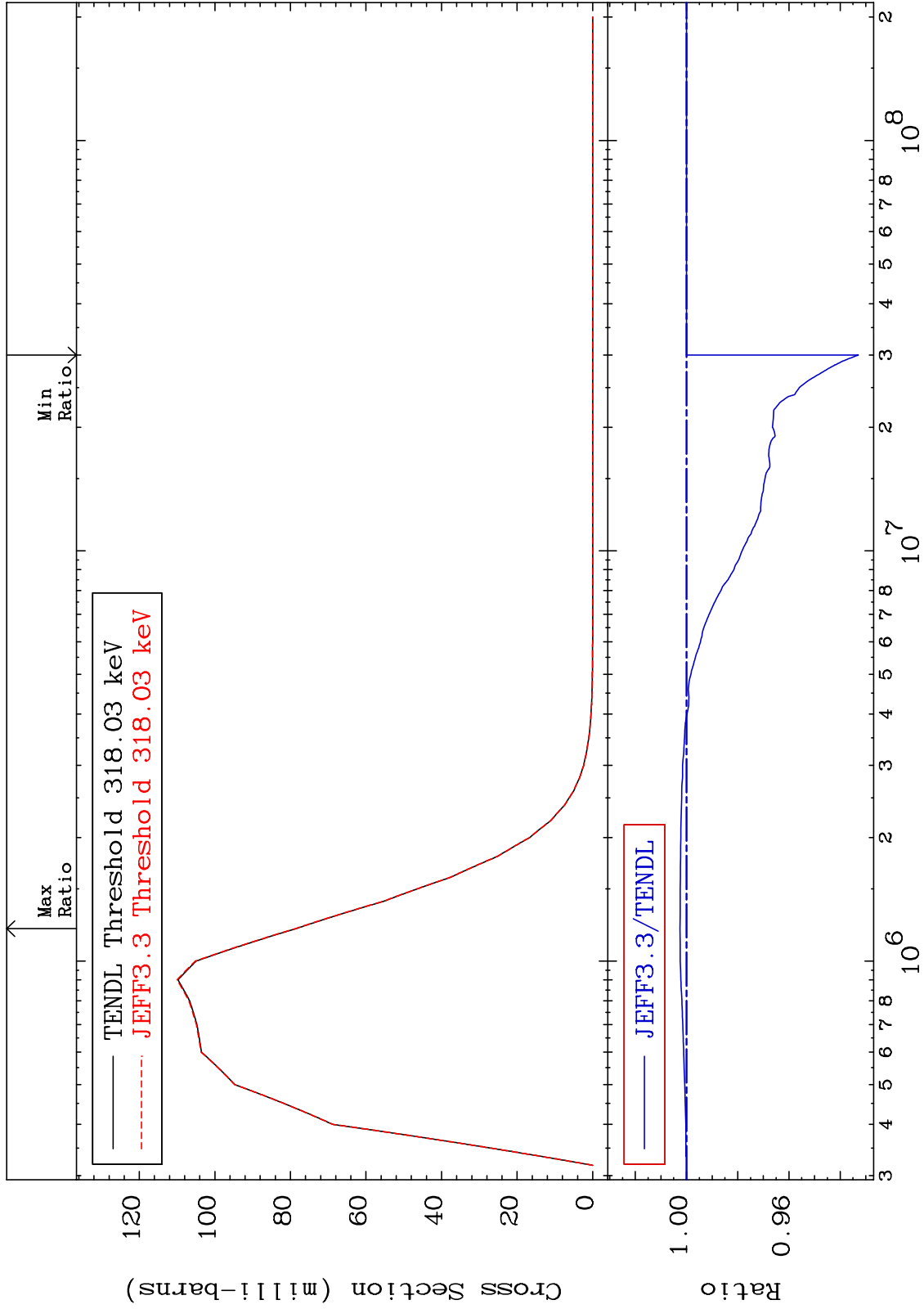
69-Tm-169
-6.713 To 0.253 %



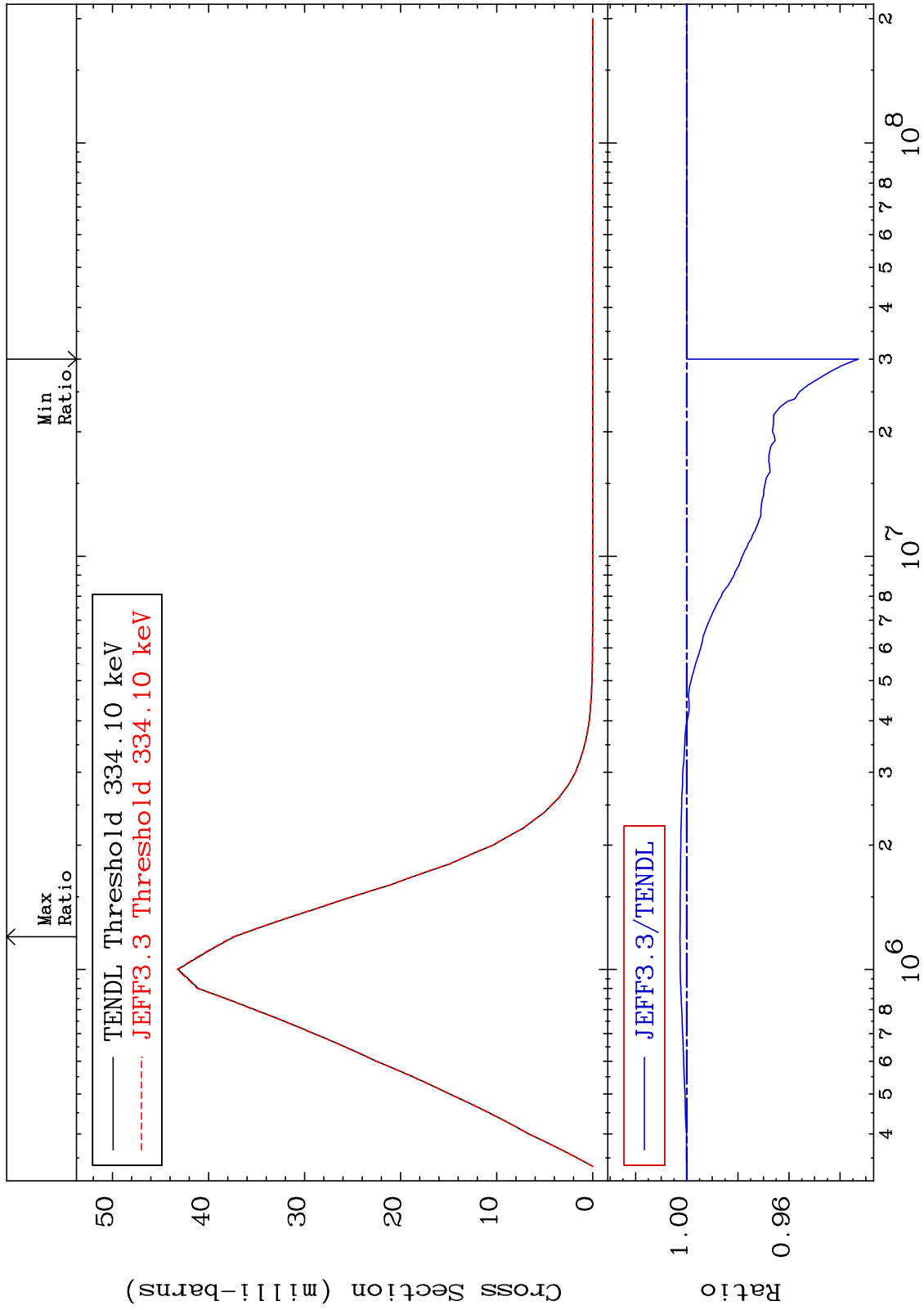
MAT 6925

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

69-Tm-169
-6.712 To 0.254 %



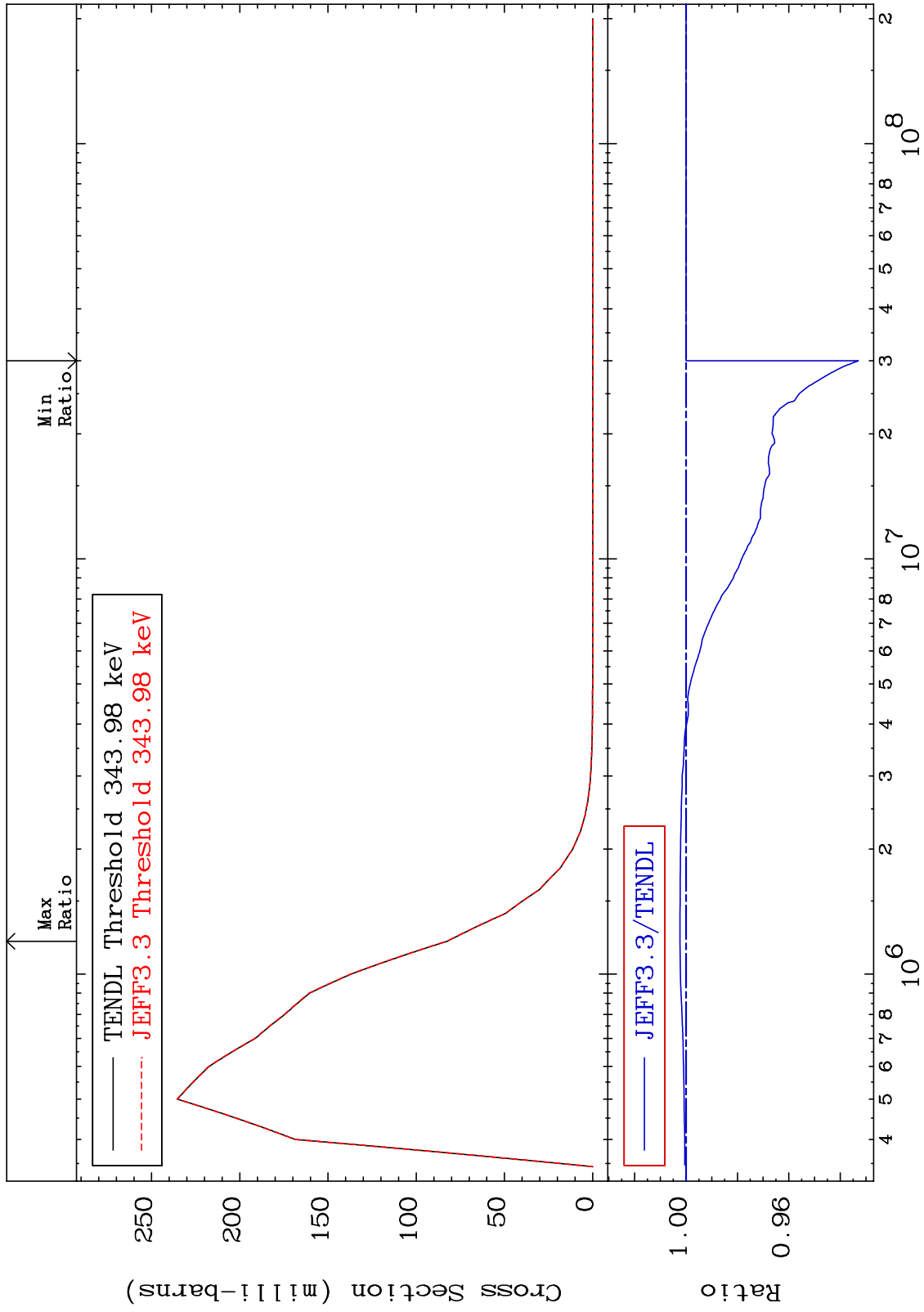
MAT 6925 MT= 55 (n,n') Level Cross Section 69-Tm-169 -6.715 To 0.263 %



MAT 6925

MT= 56 (n,n') Level
Cross Section

69-Tm-169
-6.705 To 0.233 %



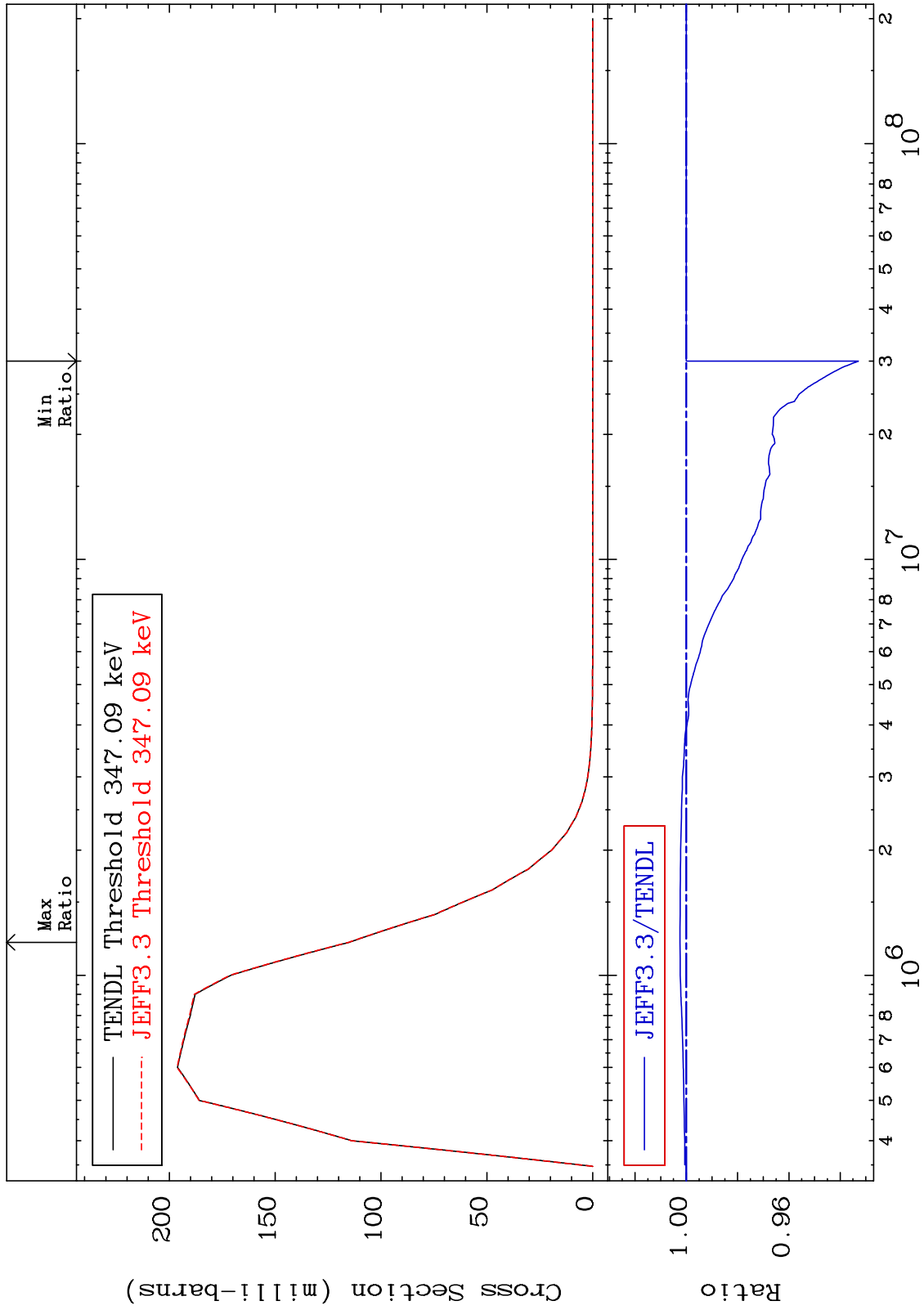
25

69-Tm-169

MAT 6925

MT= 57 (n, n') Level
Cross Section

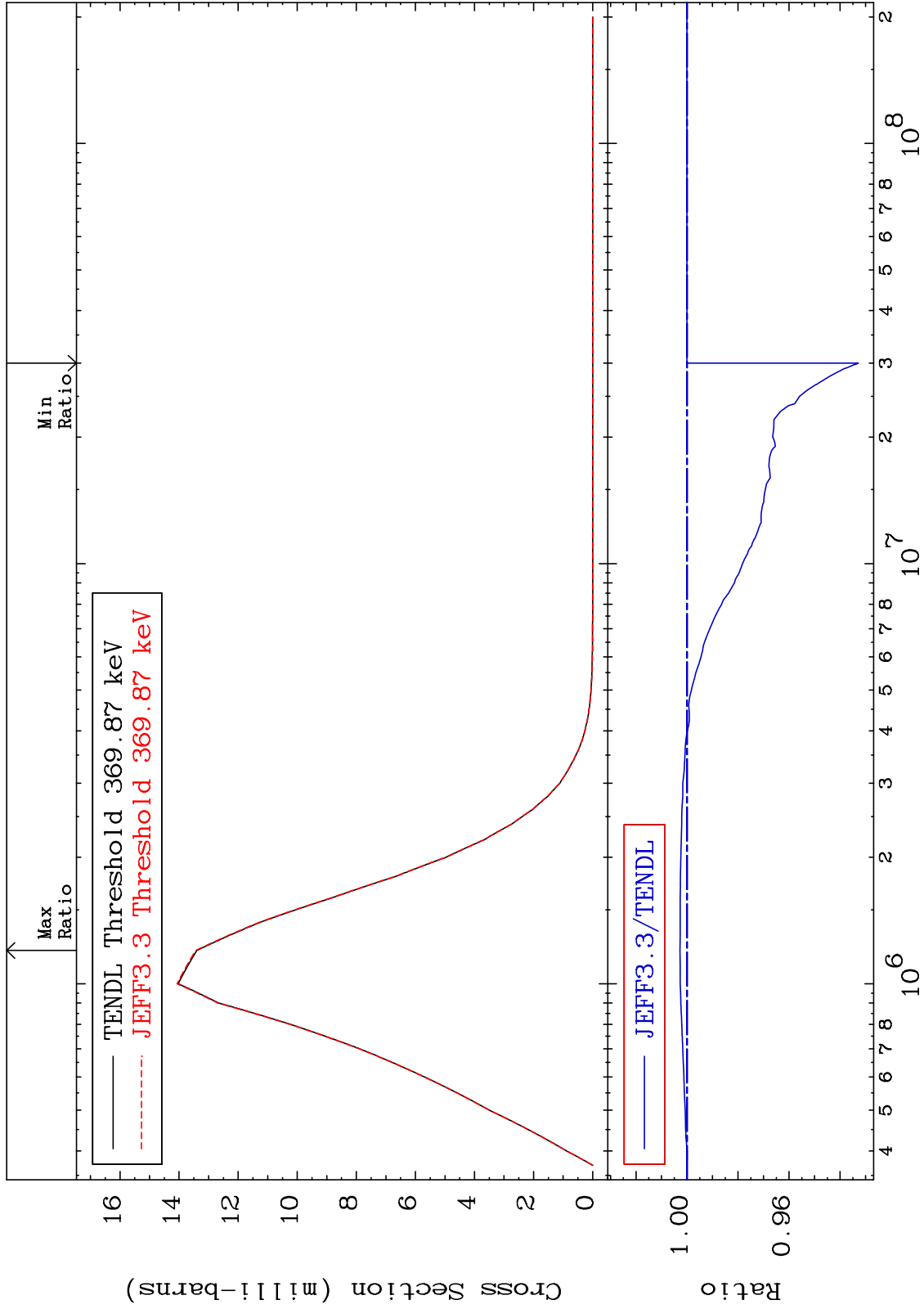
69-Tm-169
-6.710 To 0.246 %



MAT 6925

MT= 58 (n,n') Level
Cross Section

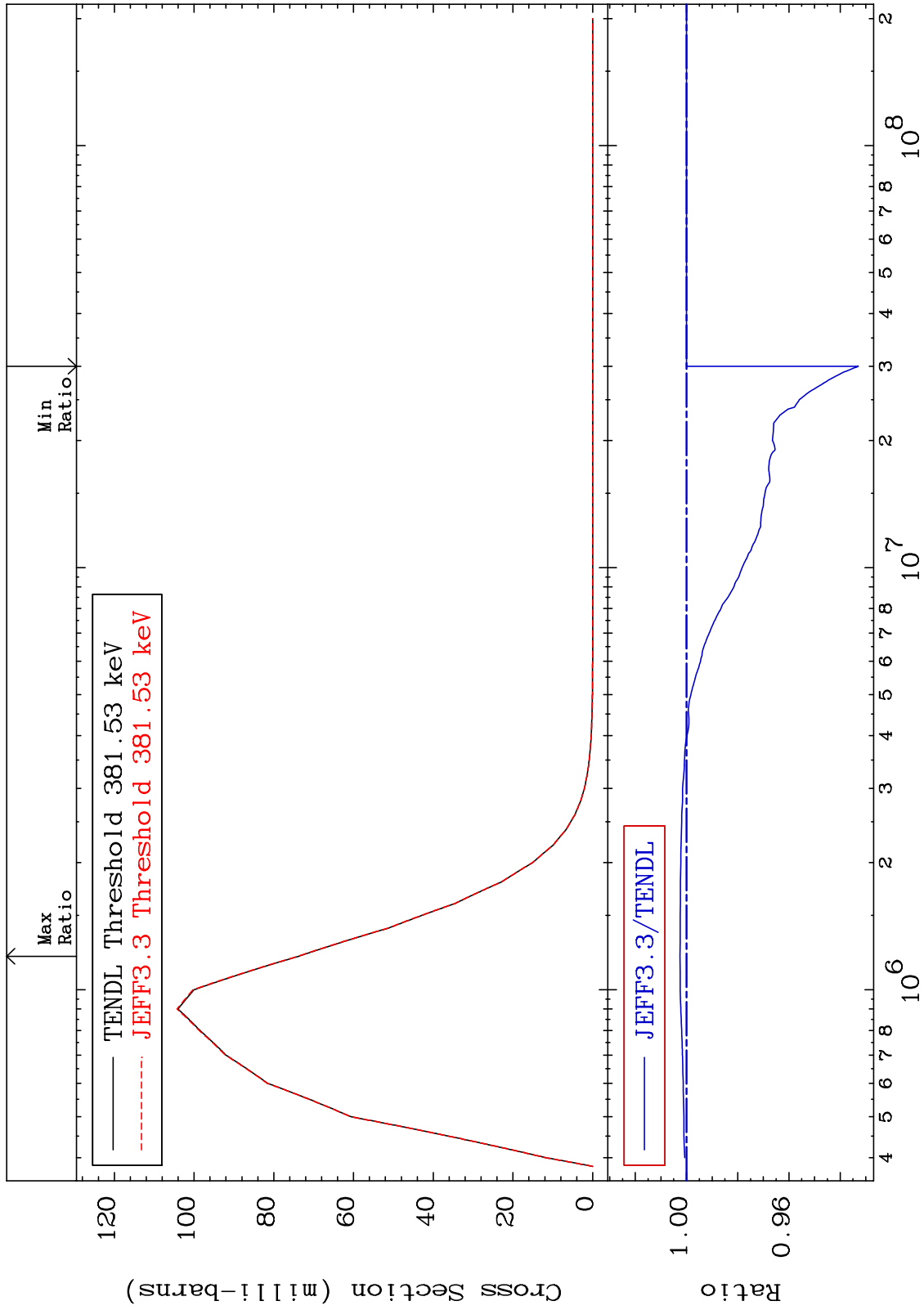
69-Tm-169
-6.719 To 0.275 %



MAT 6925

MT= 59 (n,n') Level
Cross Section

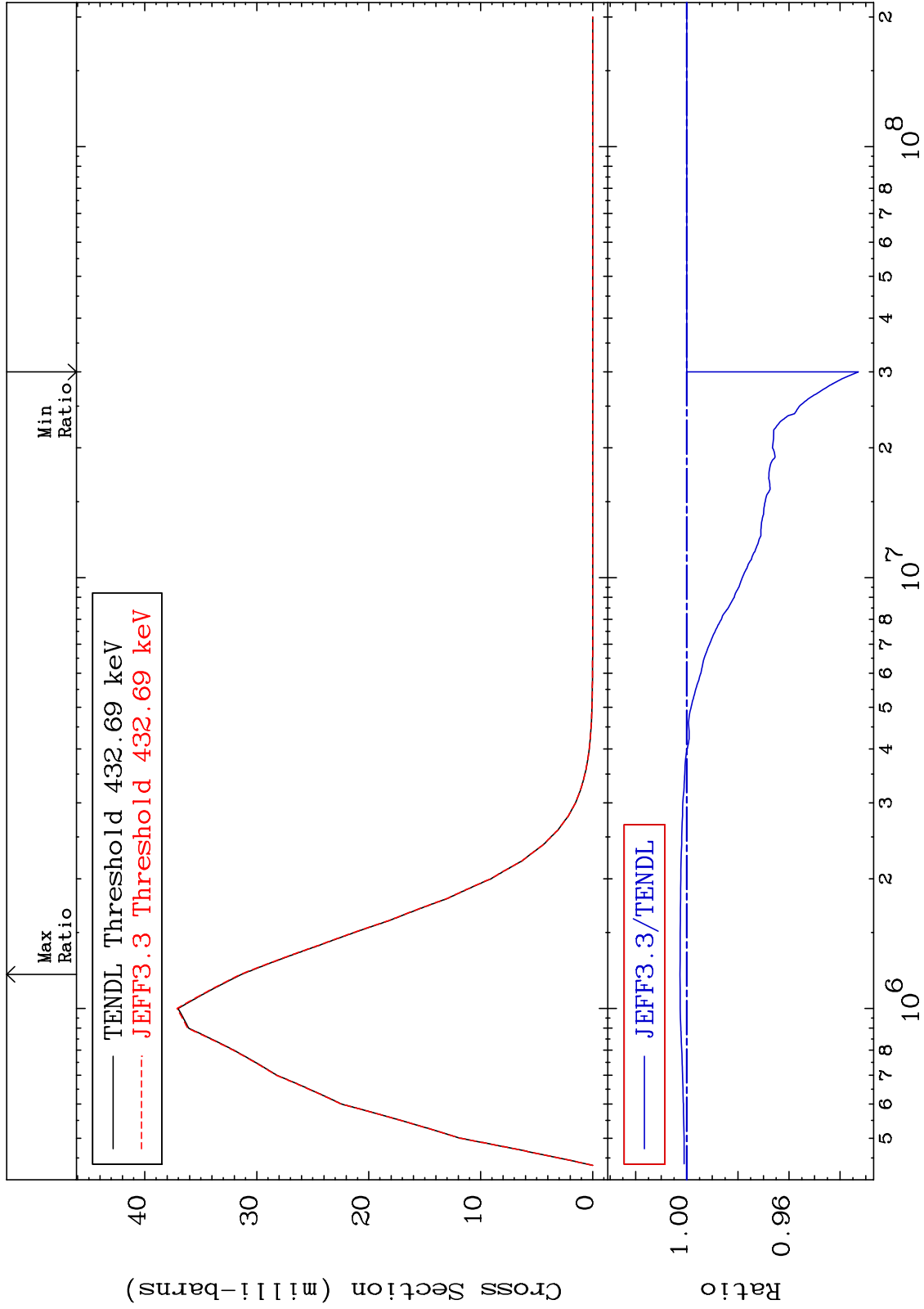
69-Tm-169
-6.712 To 0.254 %



MAT 6925

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

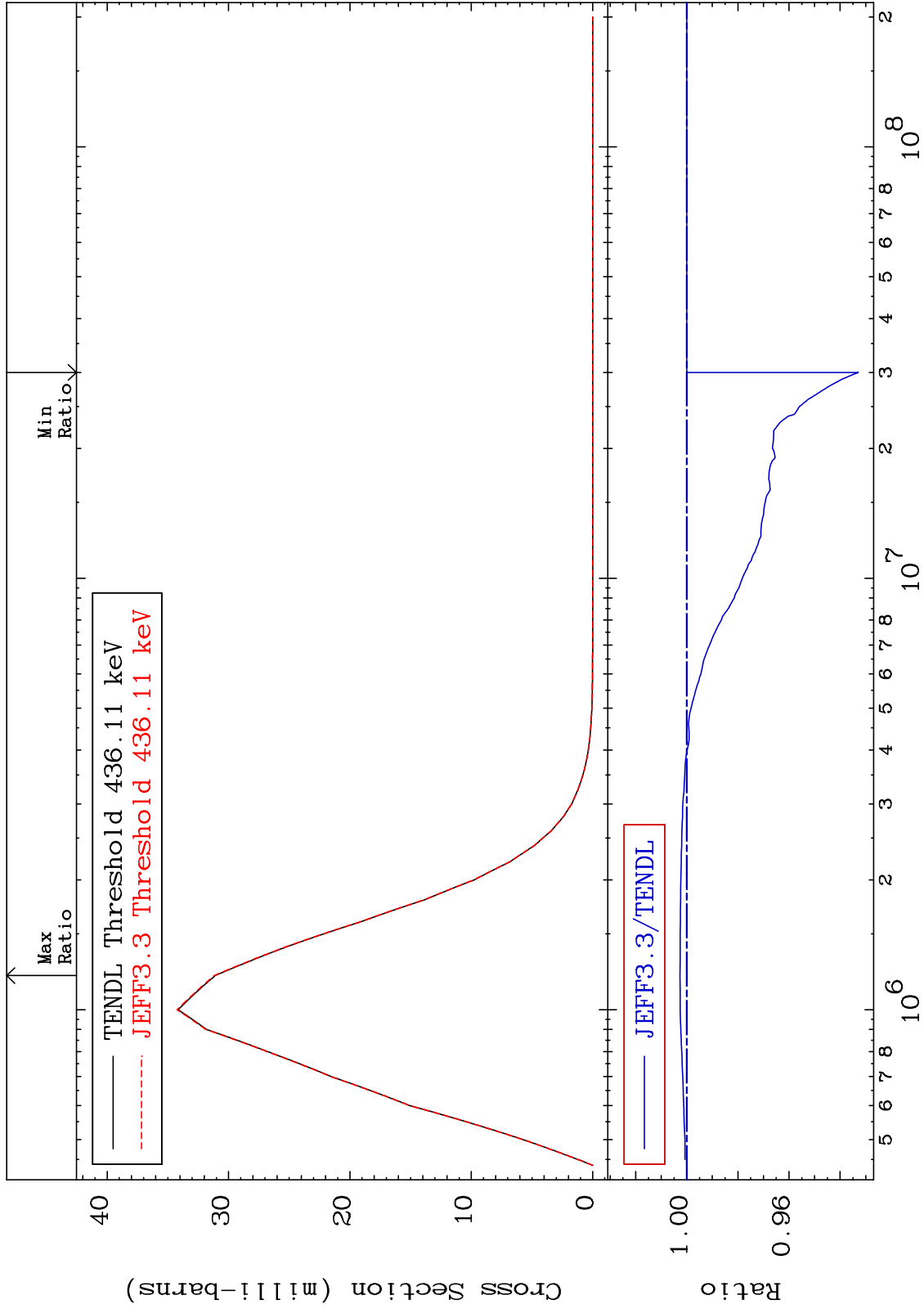
69-Tm-169
-6.715 To 0.264 %



MAT 6925

MT= 61 (n,n') Level
Cross Section

69-Tm-169
-6.715 To 0.264 %

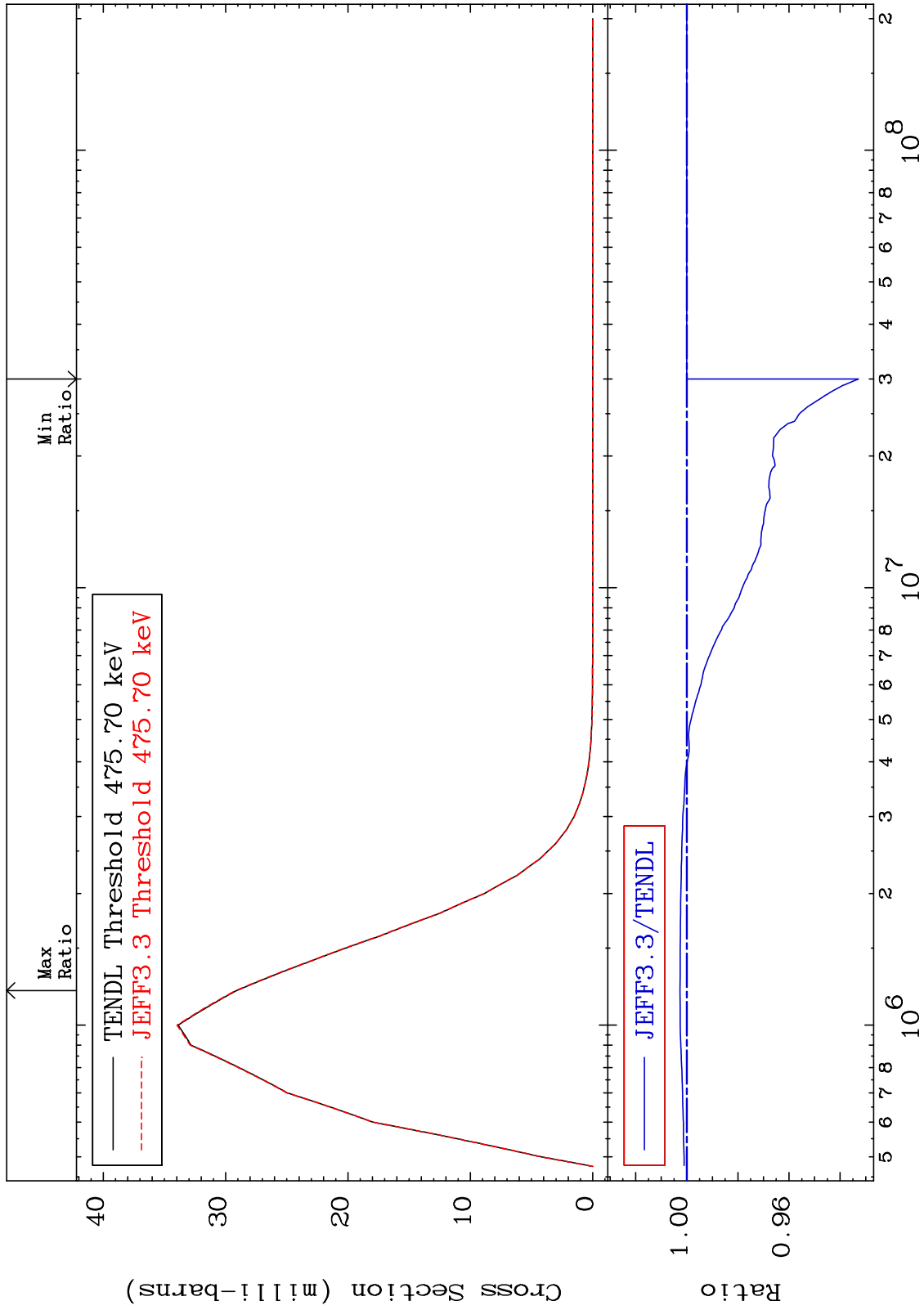


30

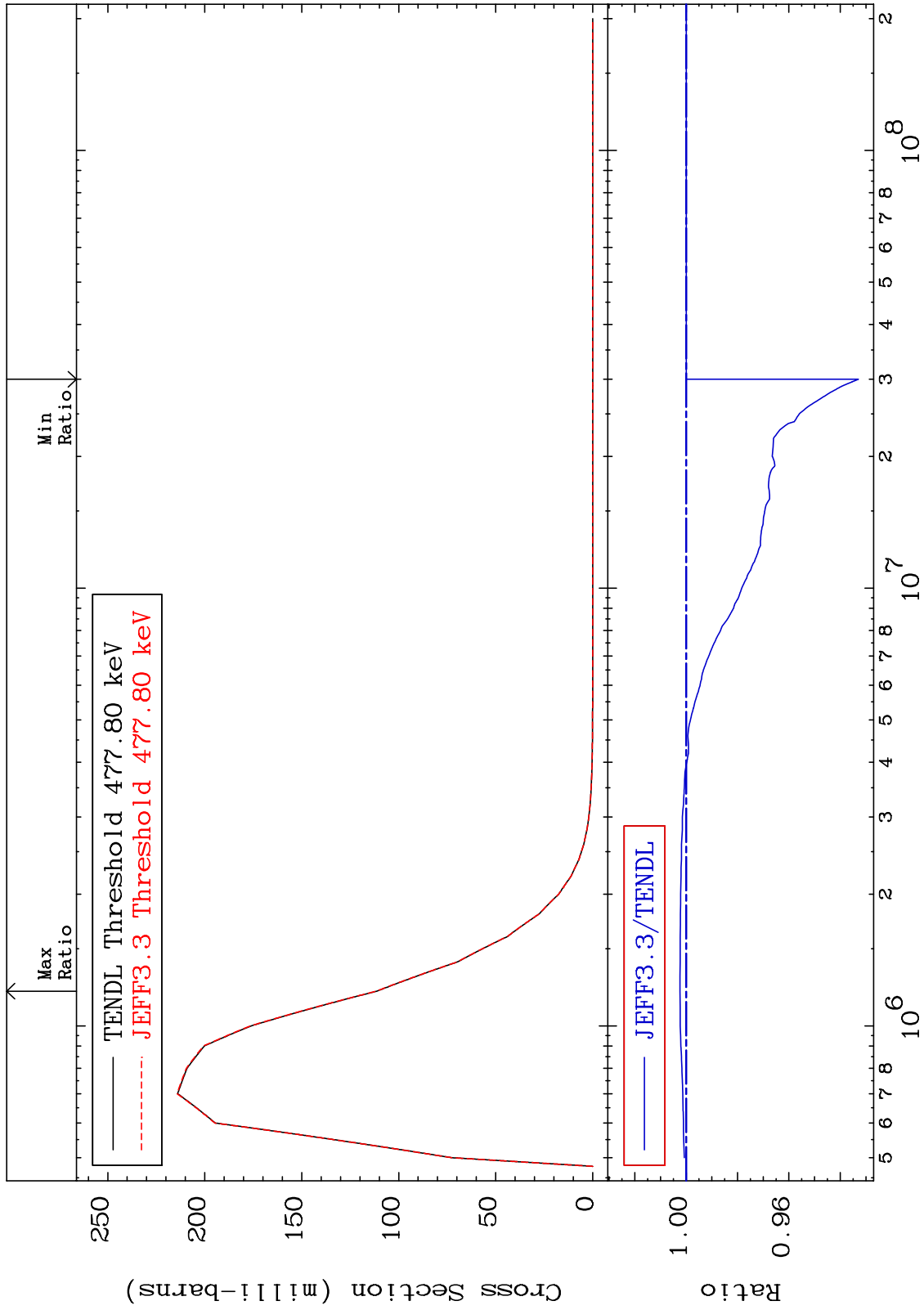
Incident Energy (eV)

69-Tm-169

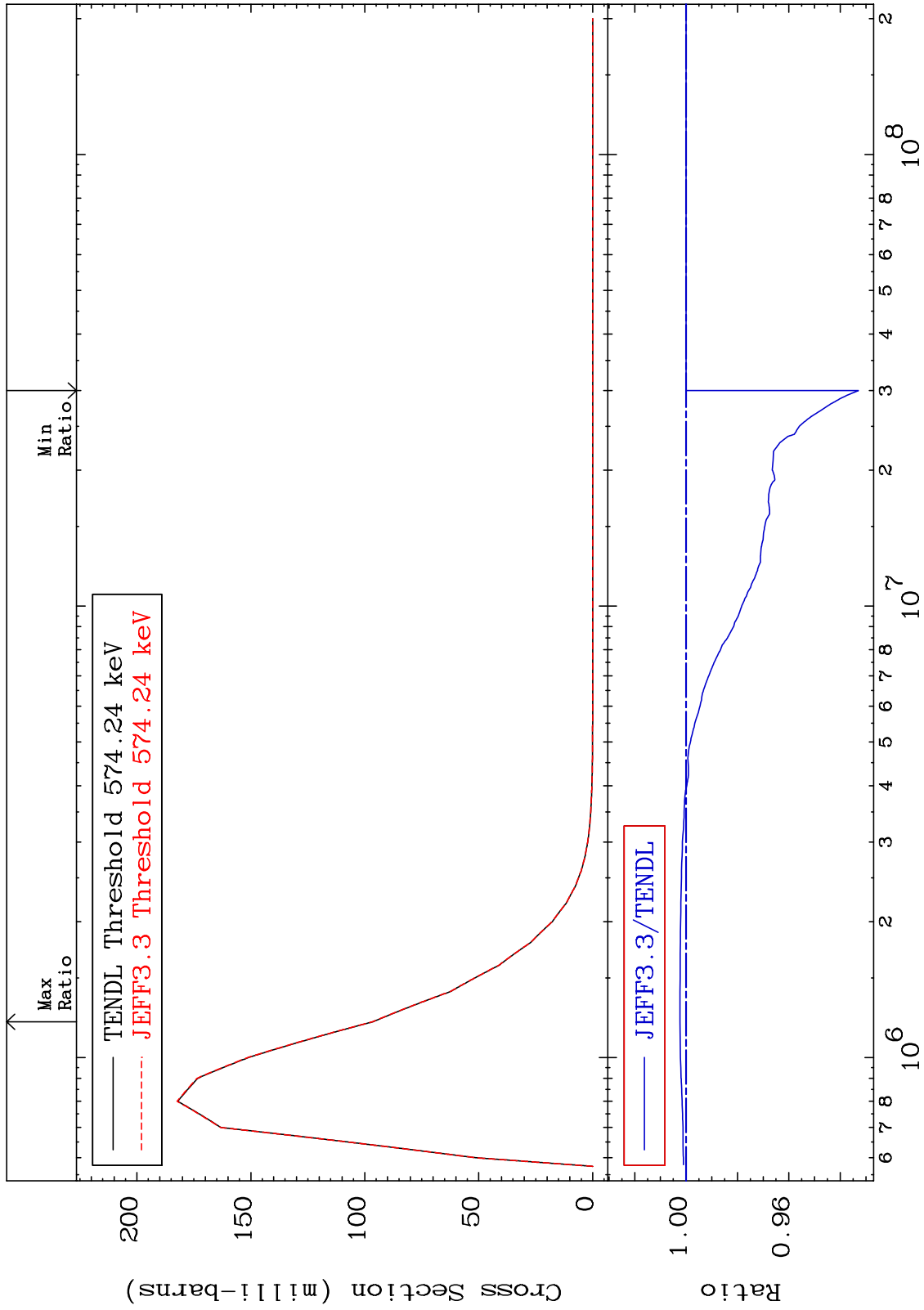
MAT 6925 MT= 62 (n,n') Level Cross Section 69-Tm-169 -6.715 To 0.265 %



MAT 6925 MT= 63 (n,n') Level 69-Tm-169
 Cross Section -6.708 To 0.240 %



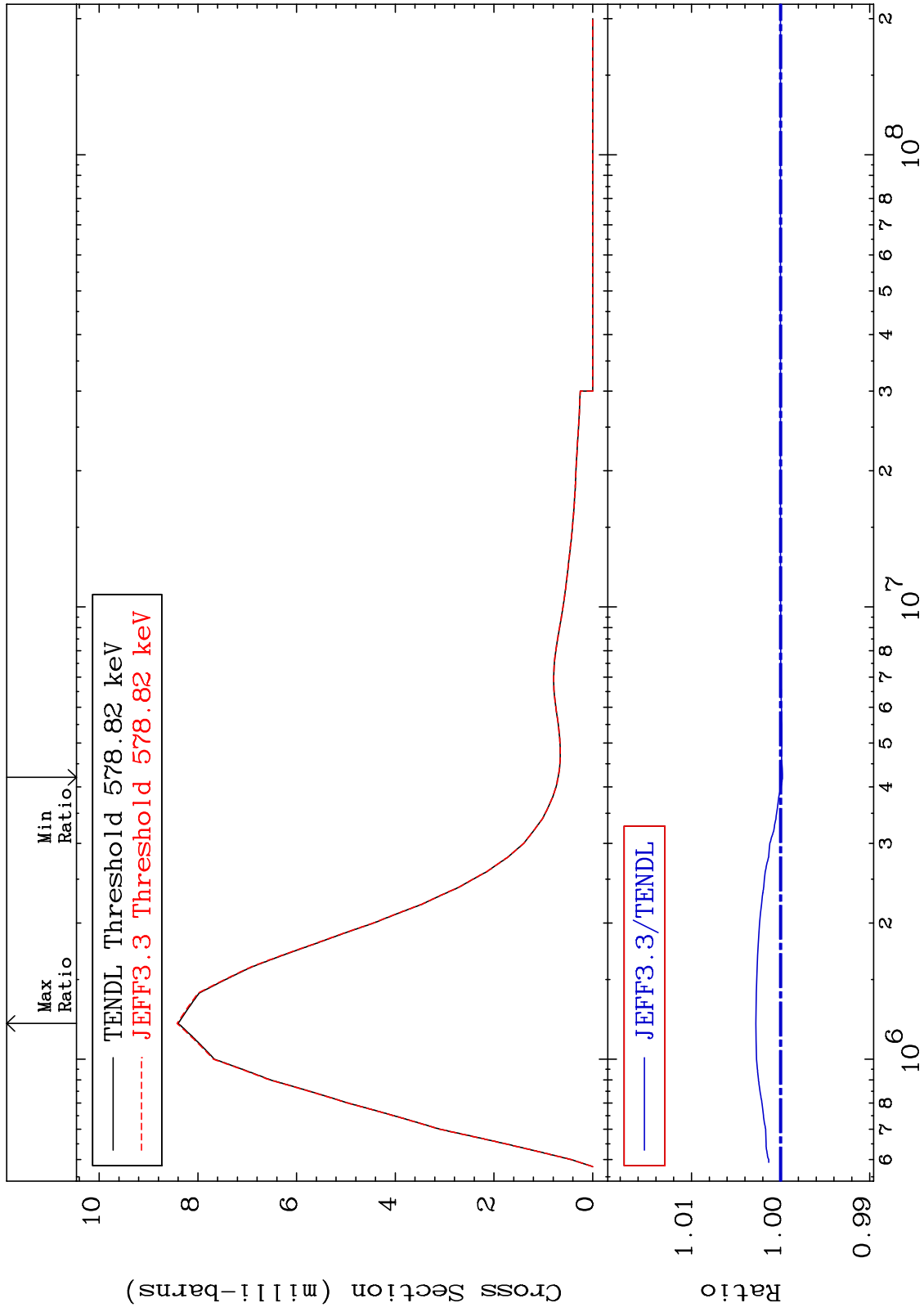
MAT 6925 MT= 64 (n,n') Level 69-Tm-169
 Cross Section -6.708 To 0.237 %



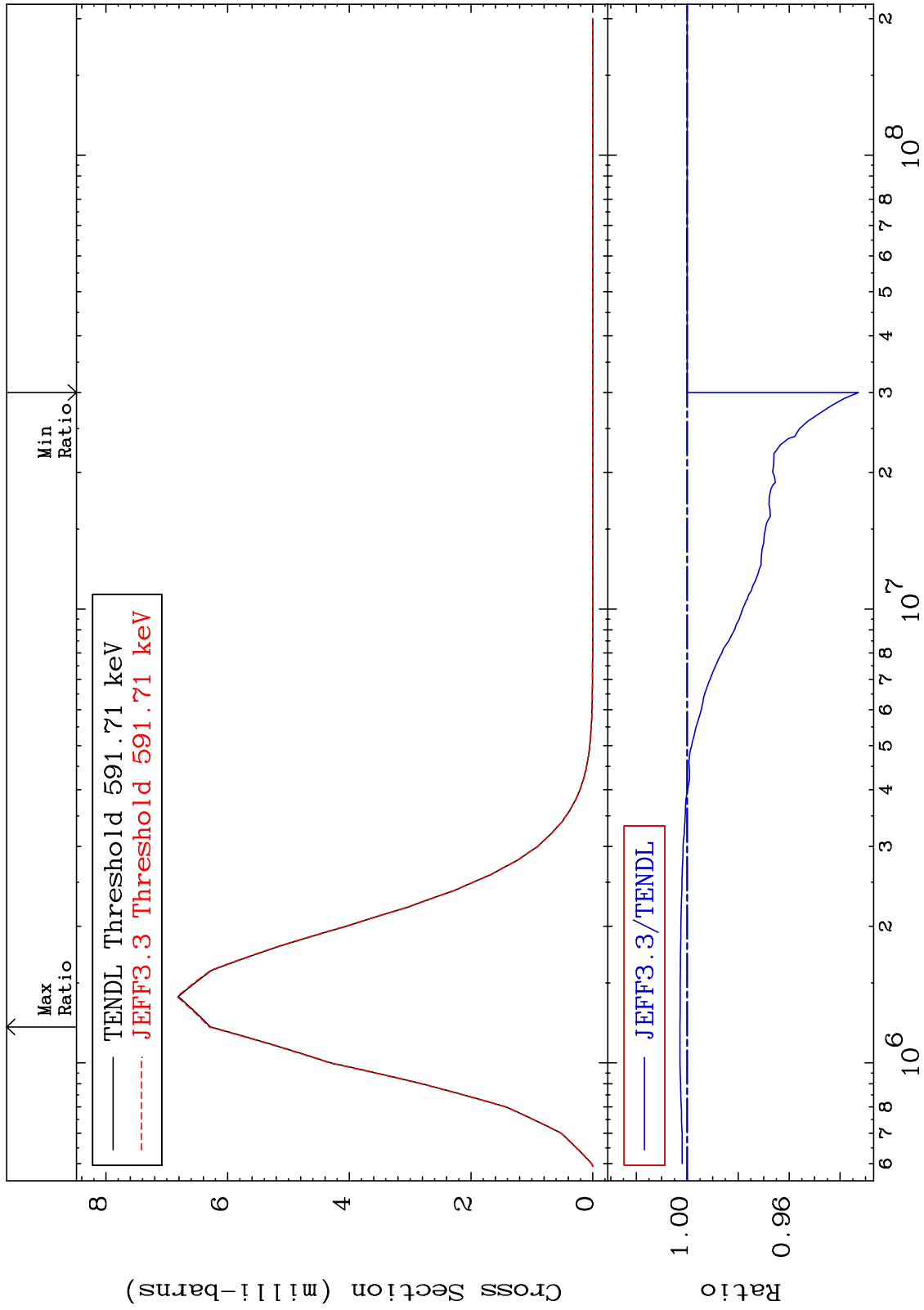
MAT 6925

MT= 65 (n,n') Level
Cross Section

69-Tm-169
-0.023 To 0.278 %



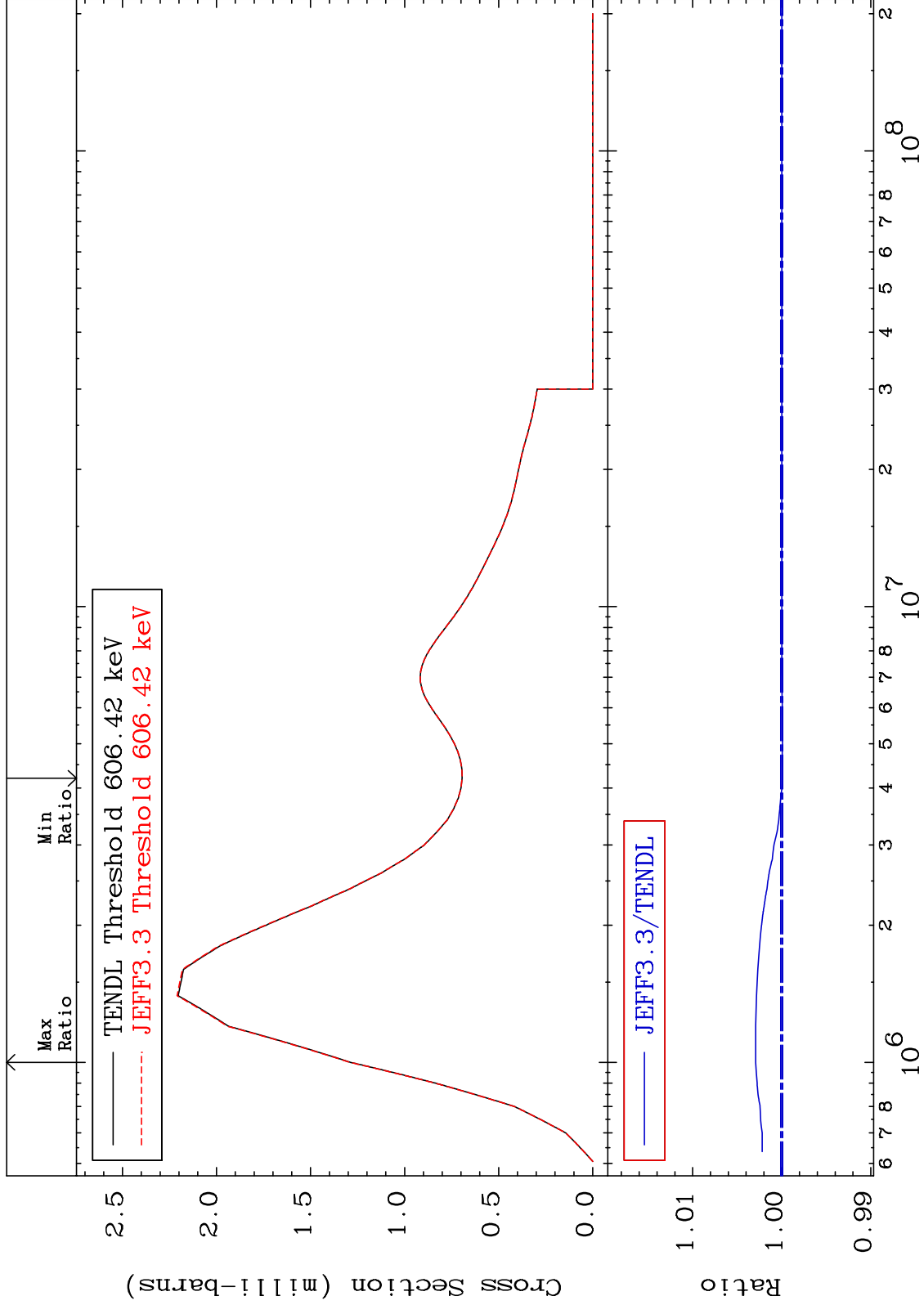
MAT 6925 MT= 66 (n,n') Level 69-Tm-169
 Cross Section -6.719 To 0.282 %



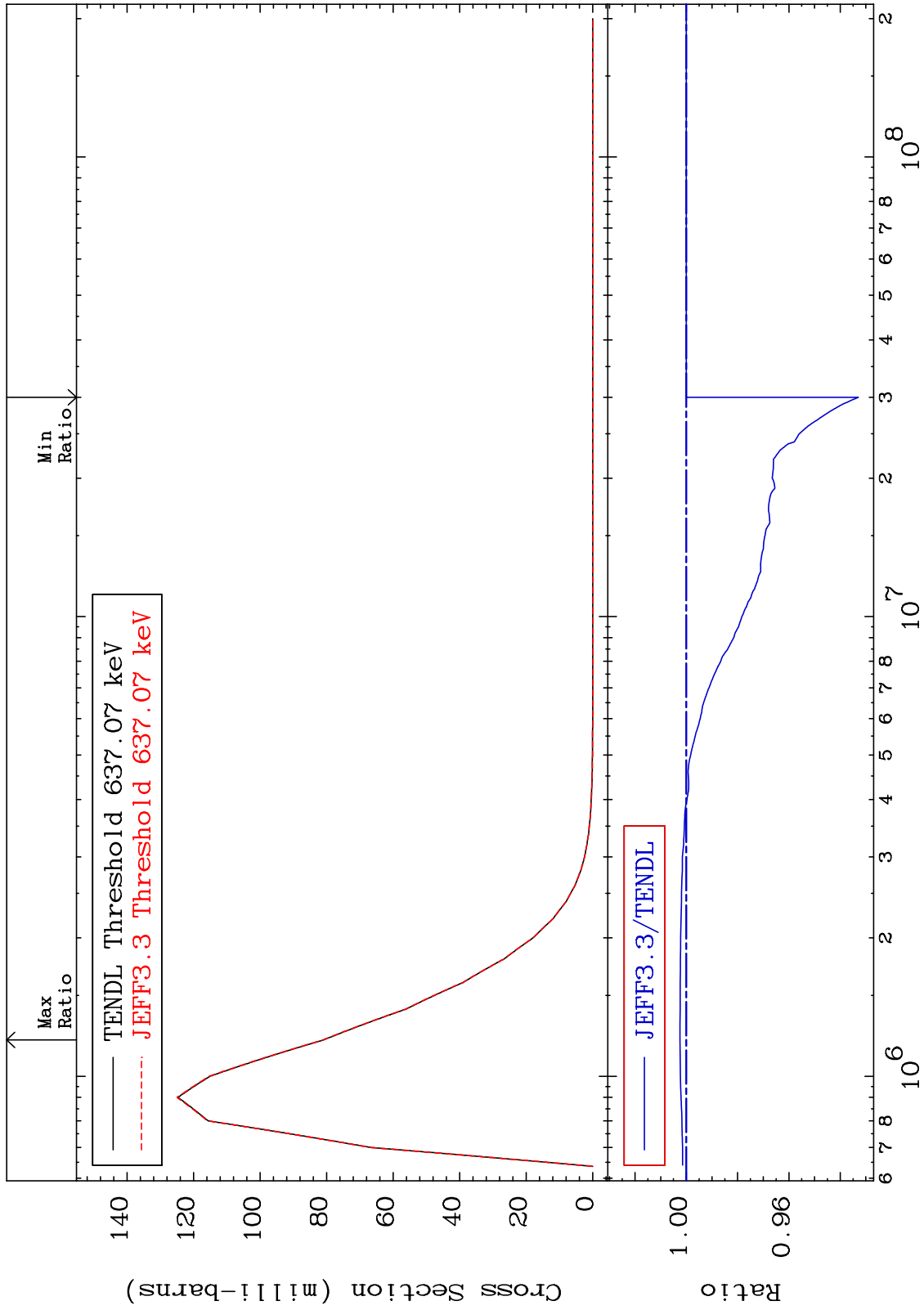
MAT 6925

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

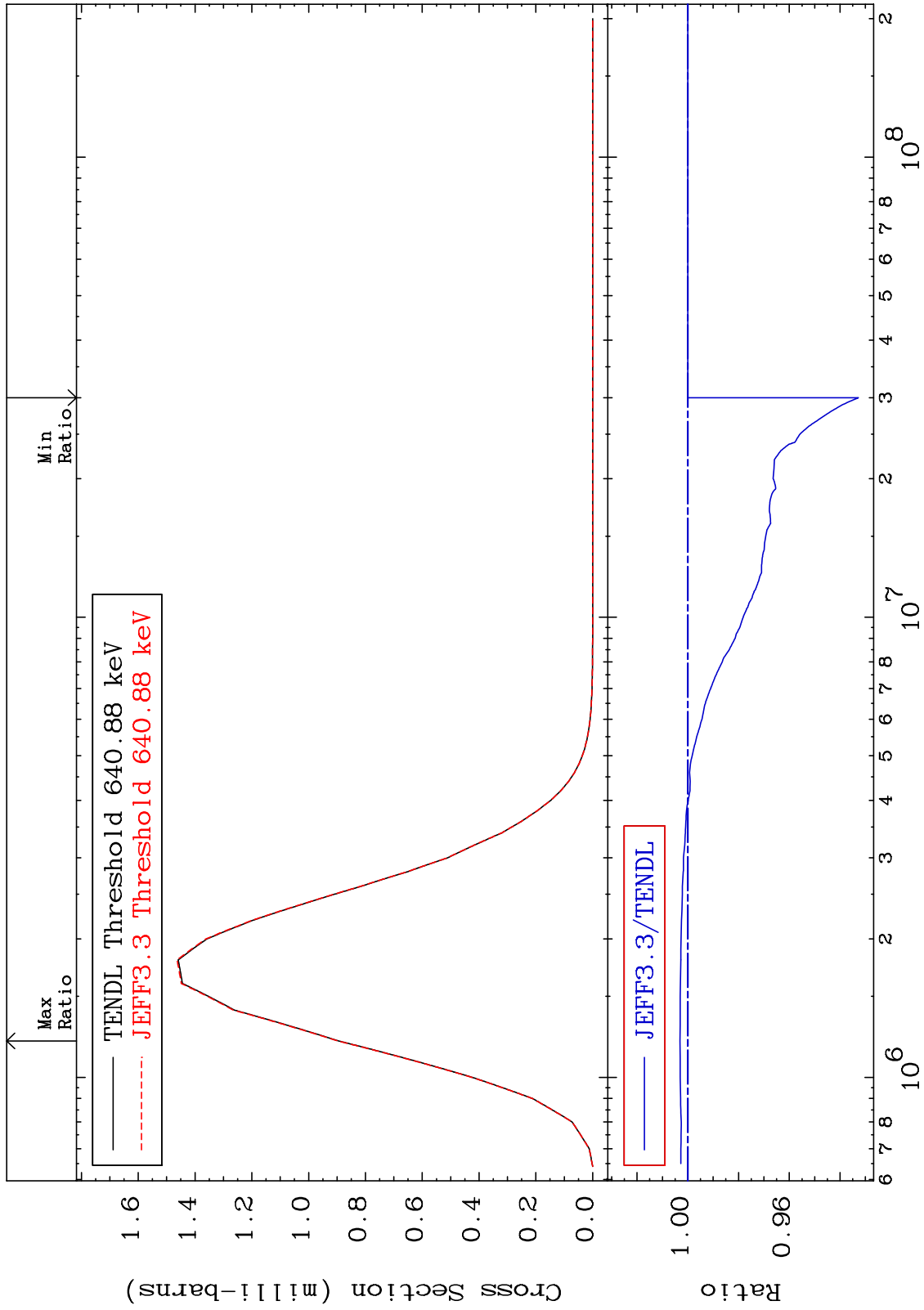
69-Tm-169
-0.012 To 0.293 %



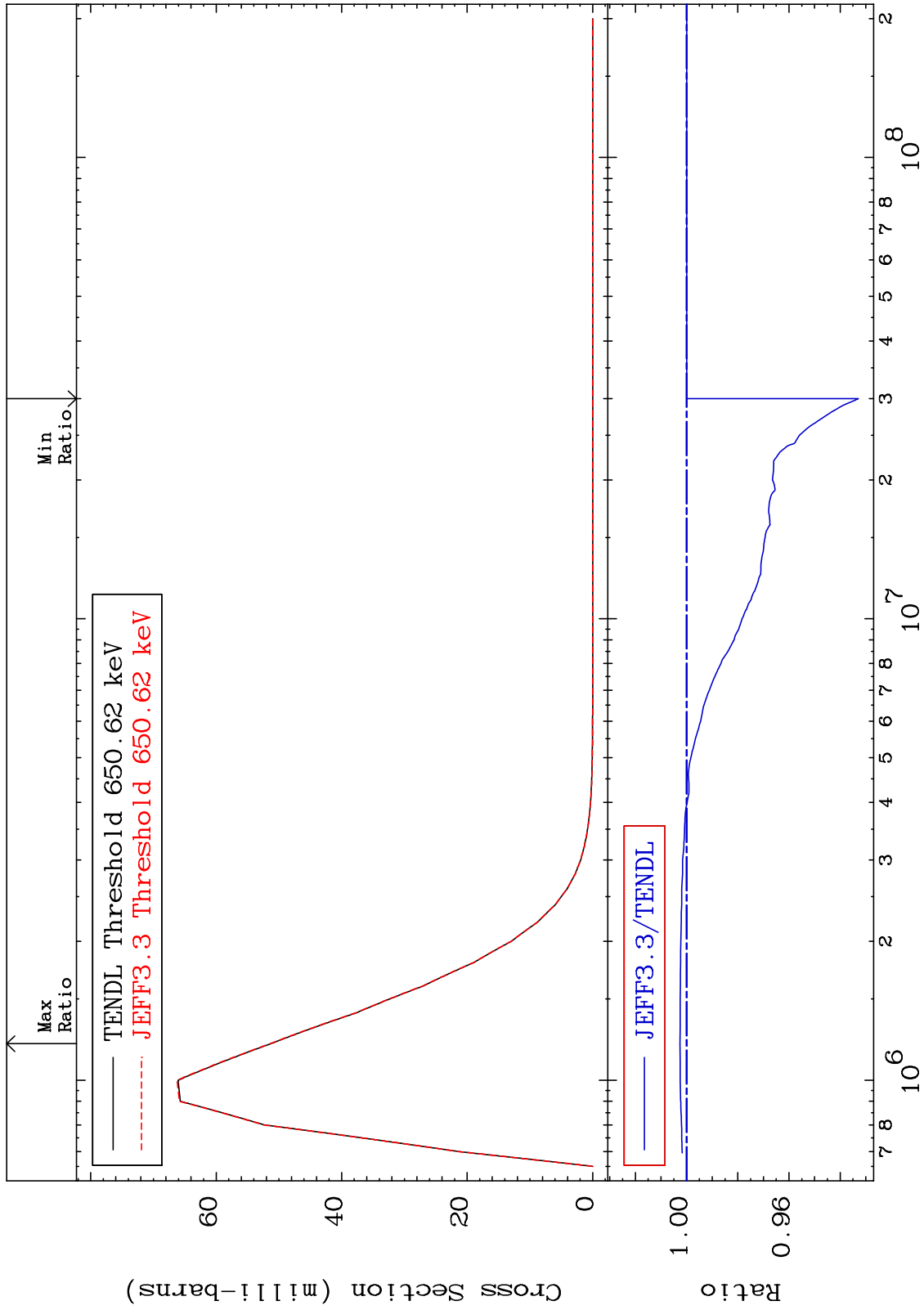
MAT 6925 MT= 68 (n,n') Level Cross Section 69-Tm-169 -6.710 To 0.246 %



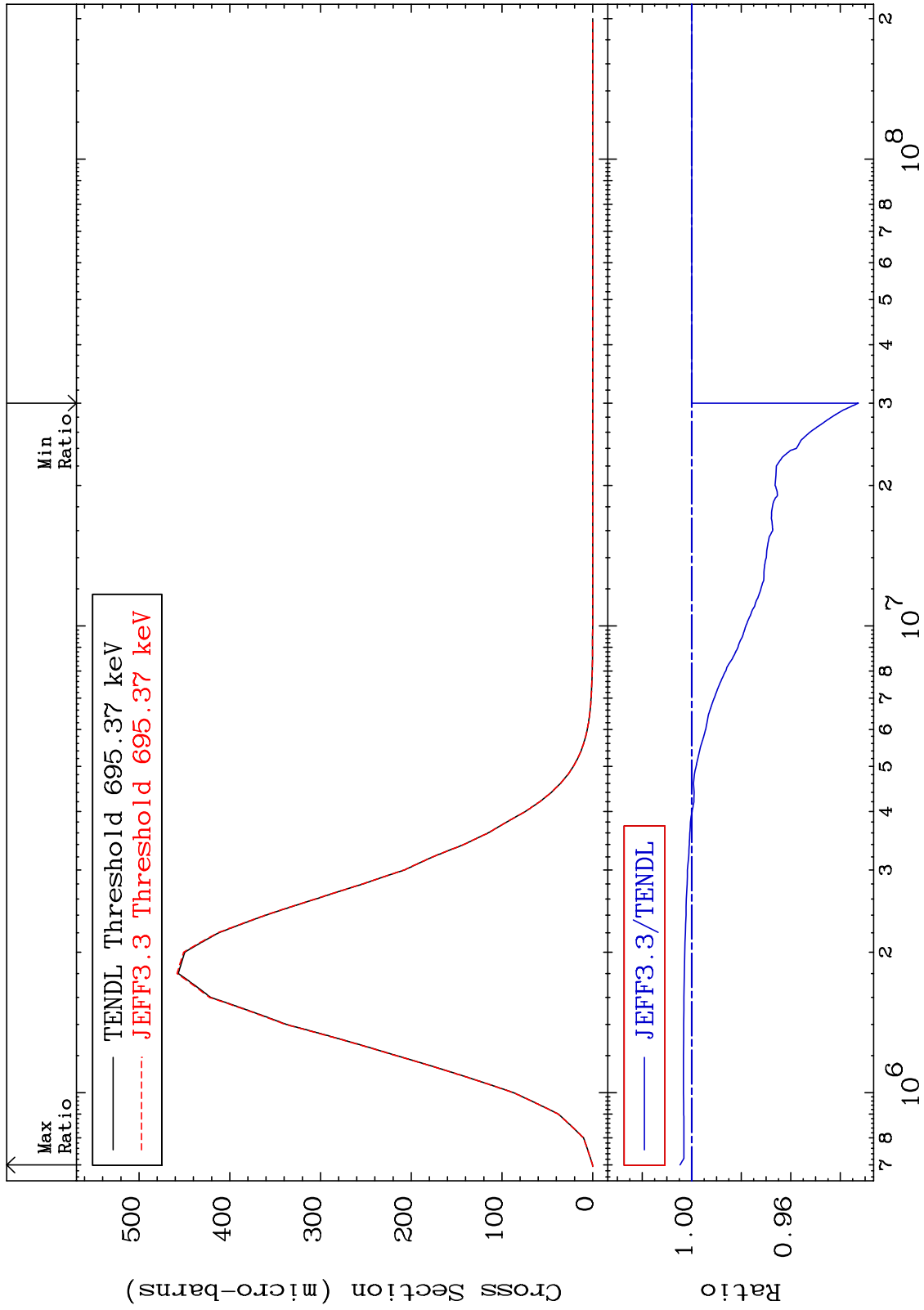
MAT 6925 MT= 69 (n,n') Level Cross Section 69-Tm-169 -6.723 To 0.306 %



MAT 6925 MT= 70 (n,n') Level 69-Tm-169
 Cross Section -6.712 To 0.257 %



MAT 6925 MT= 71 (n,n') Level 69-Tm-169
Cross Section -6.728 To 0.473 %

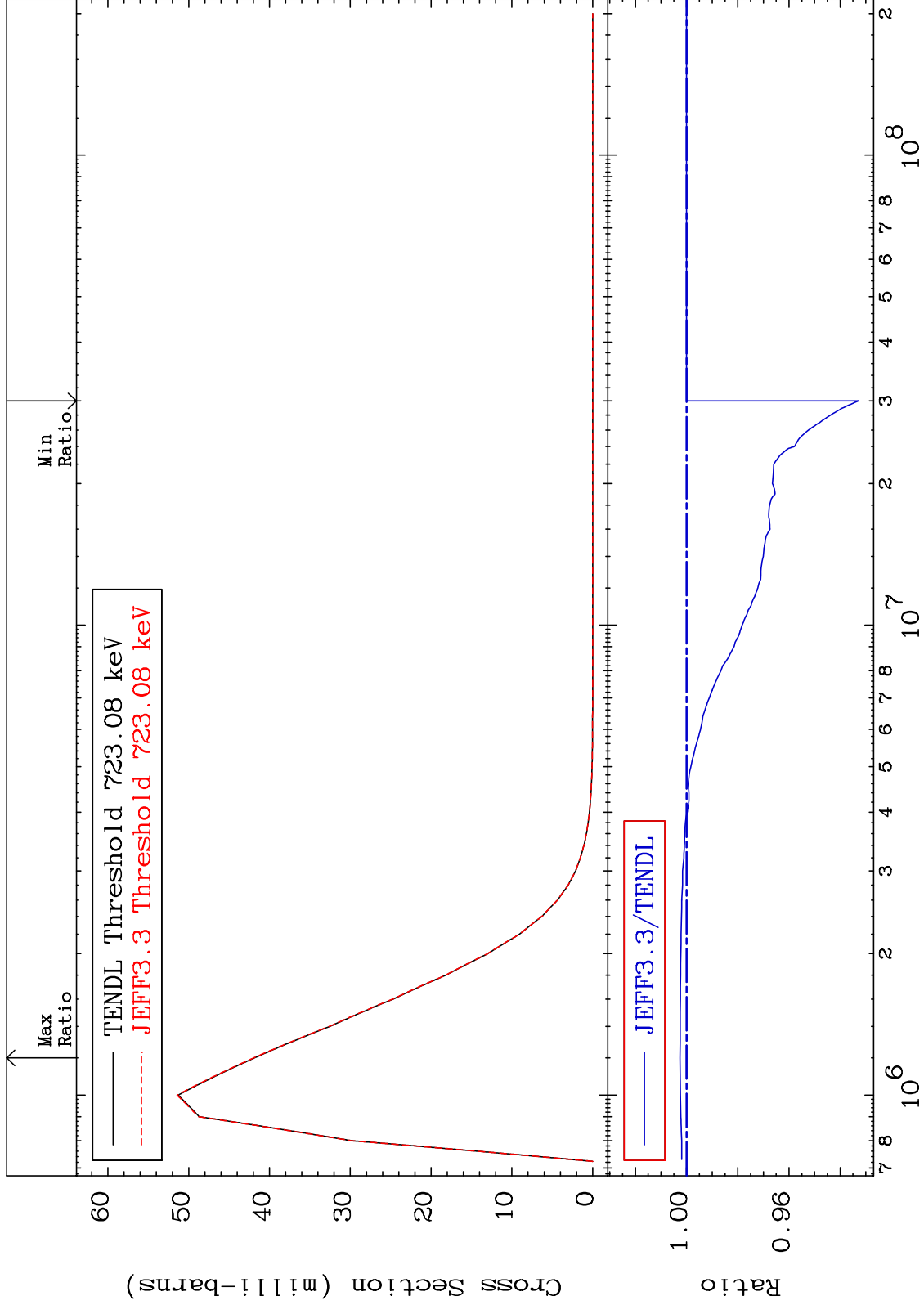


40 69-Tm-169

MAT 6925

MT= 72 (n,n') Level
Cross Section

69-Tm-169
-6.712 To 0.257 %



41

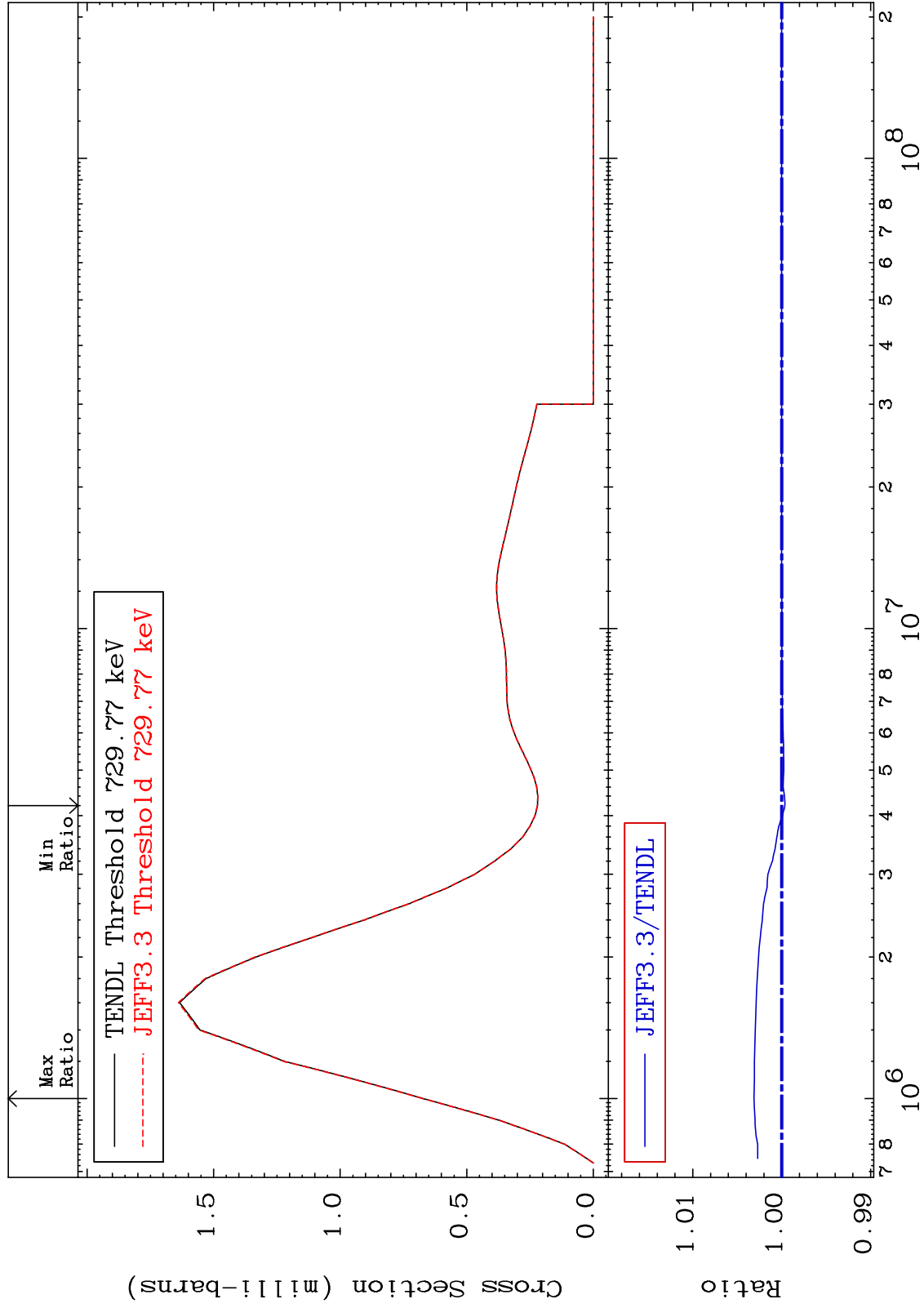
Incident Energy (eV)

69-Tm-169

MAT 6925

MT= 73 (n,n') Level
Cross Section

69-Tm-169
-0.037 To 0.312 %



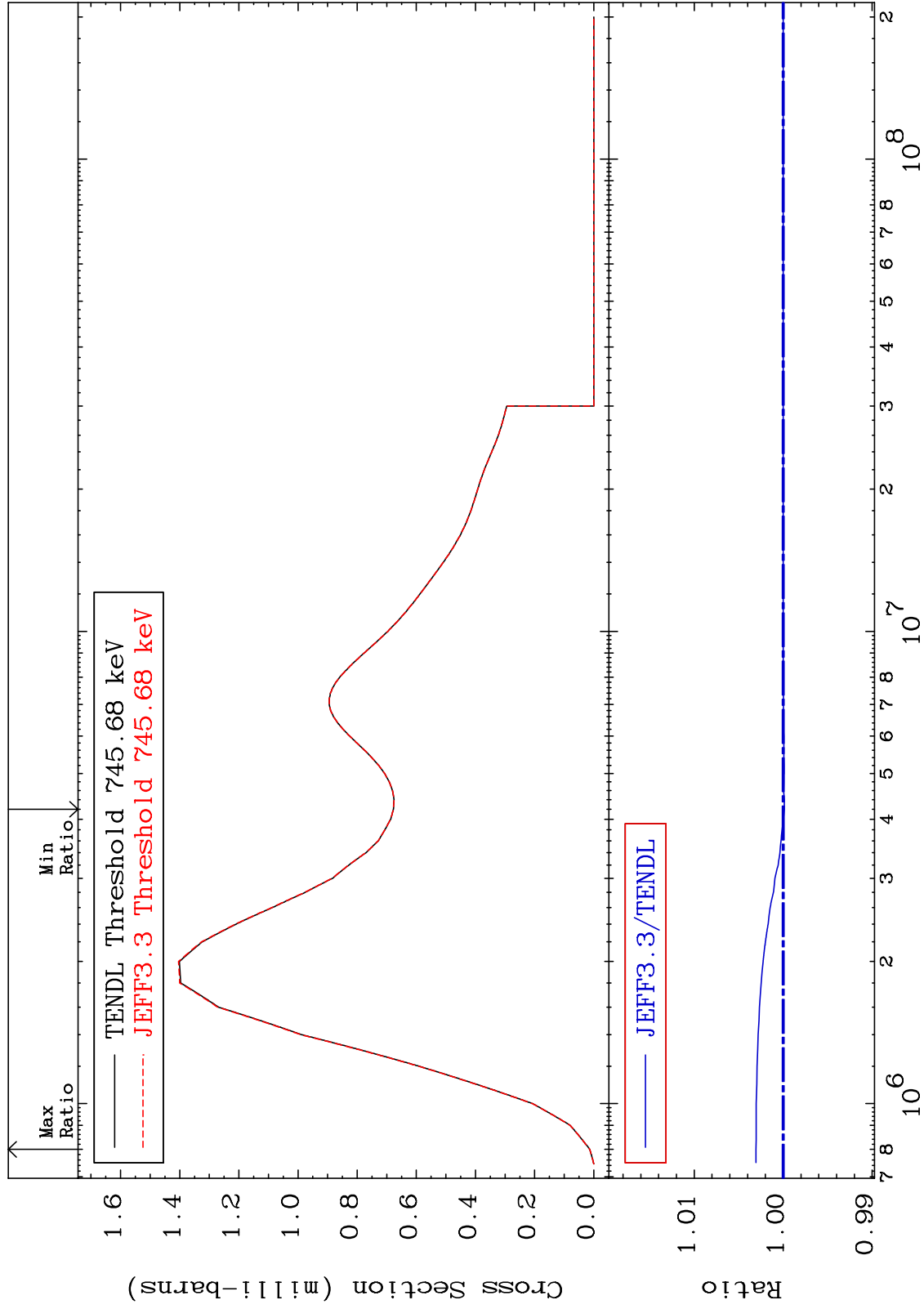
42

69-Tm-169

MAT 6925

MT= 74 (n,n') Level
Cross Section

69-Tm-169
-0.014 To 0.306 %



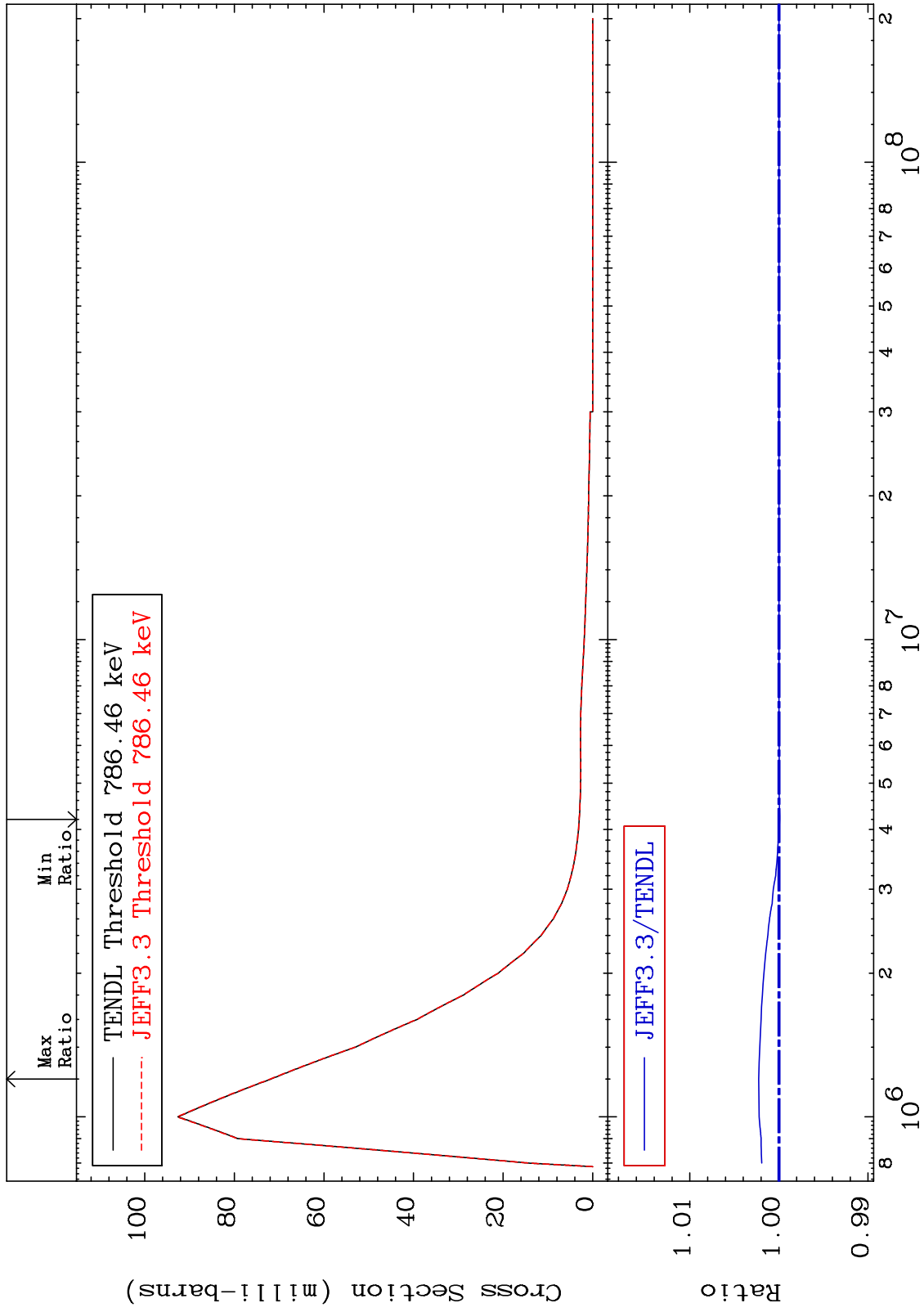
43

69-Tm-169

MAT 6925

MT= 75 (n,n') Level
Cross Section

69-Tm-169
-0.008 To 0.226 %



44

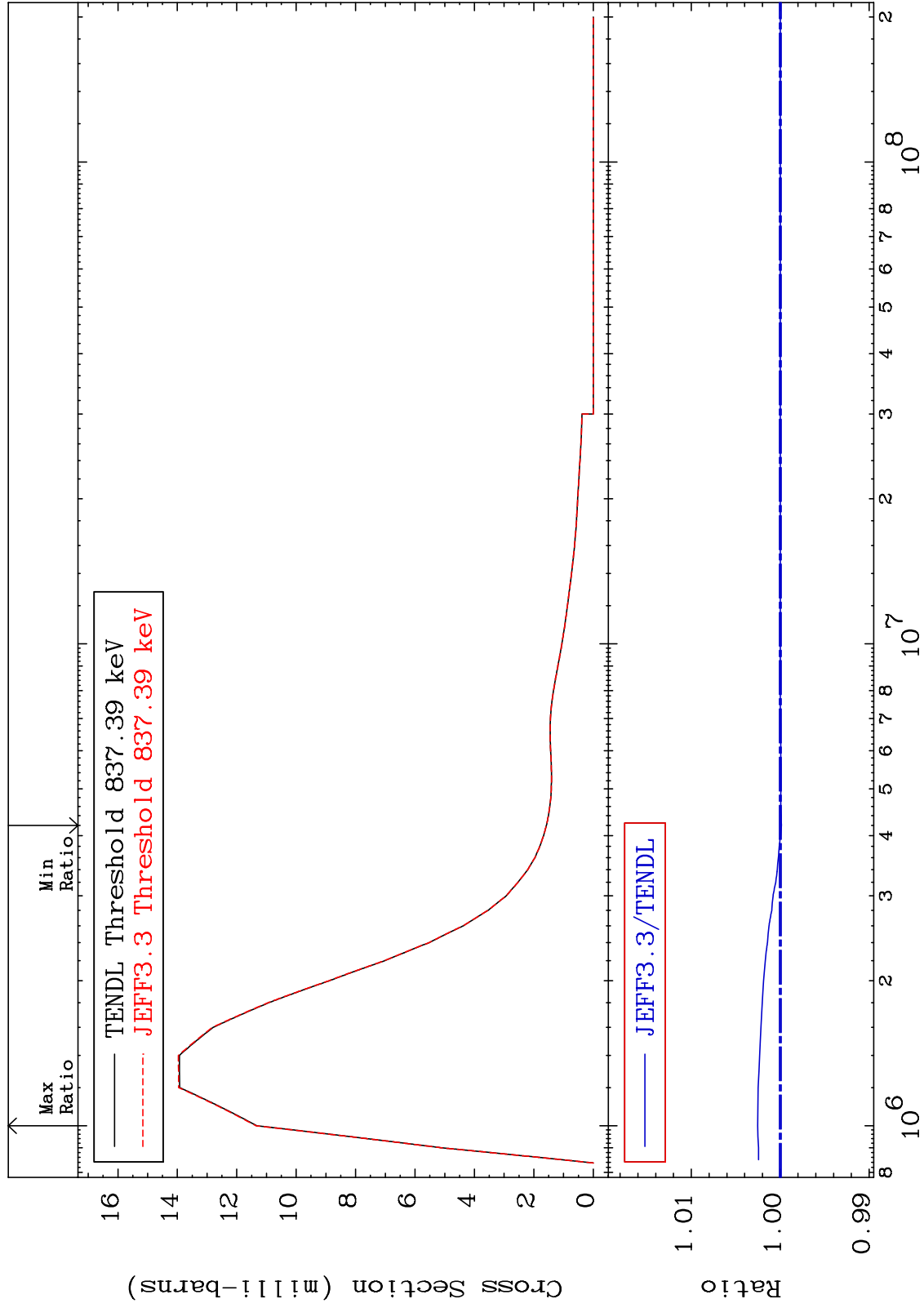
Incident Energy (eV)

69-Tm-169

MAT 6925

MT= 76 (n,n') Level
Cross Section

69-Tm-169
-0.013 To 0.254 %



45

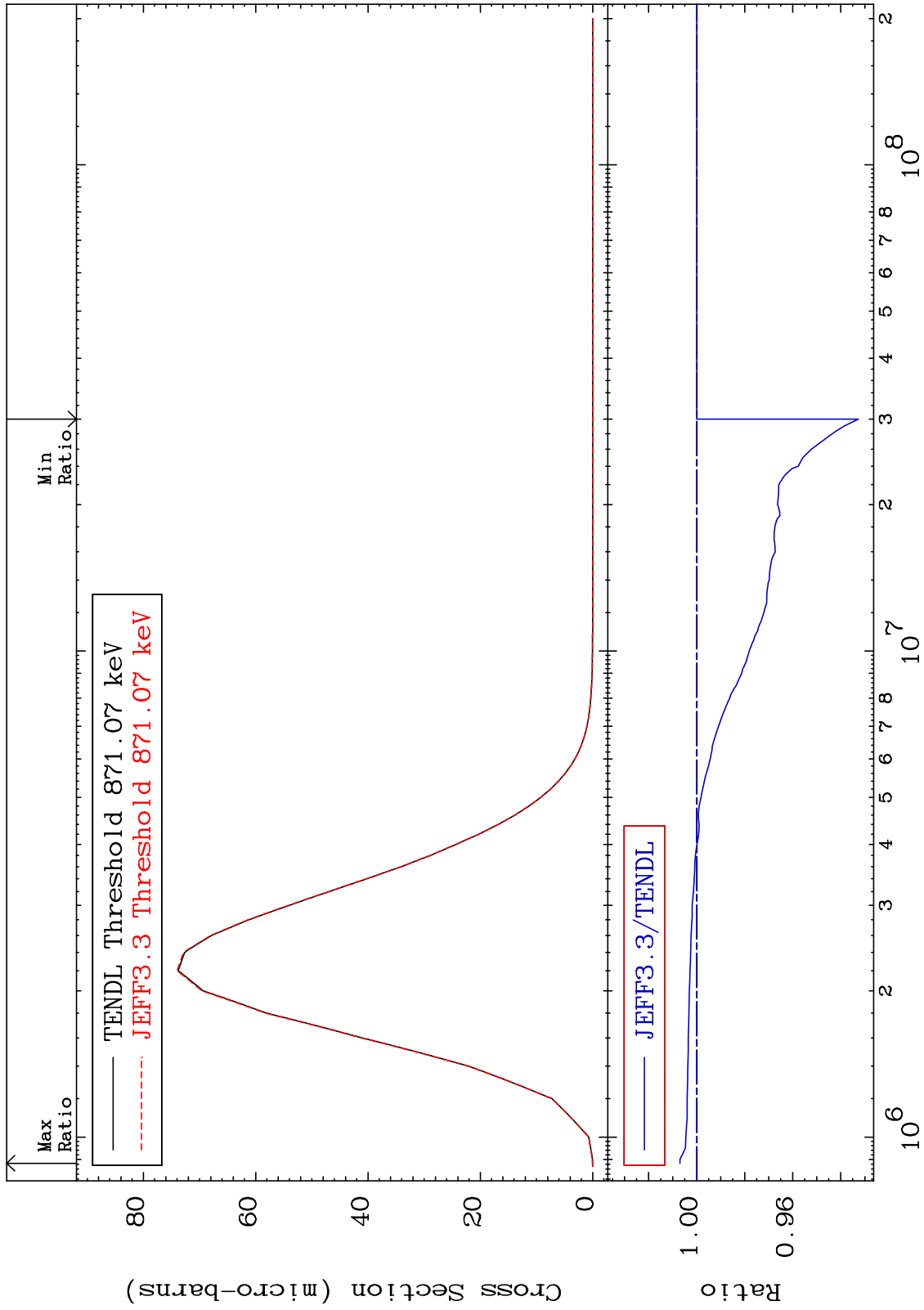
Incident Energy (eV)

69-Tm-169

MAT 6925

MT= 77 (n,n') Level
Cross Section

69-Tm-169
-6.734 To 0.694 %



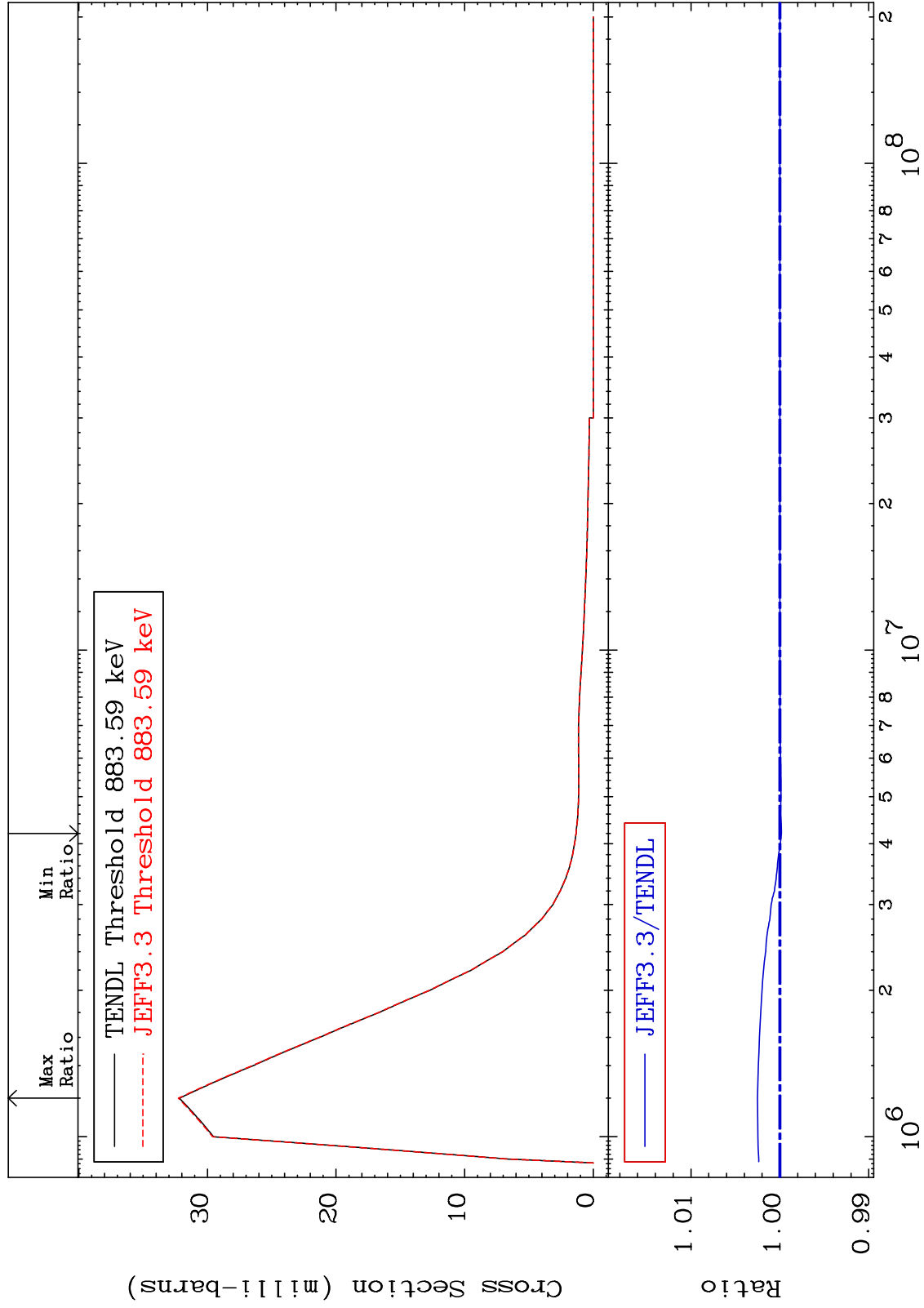
46

69-Tm-169

MAT 6925

MT= 78 (n,n') Level
Cross Section

69-Tm-169
-0.018 To 0.252 %



47

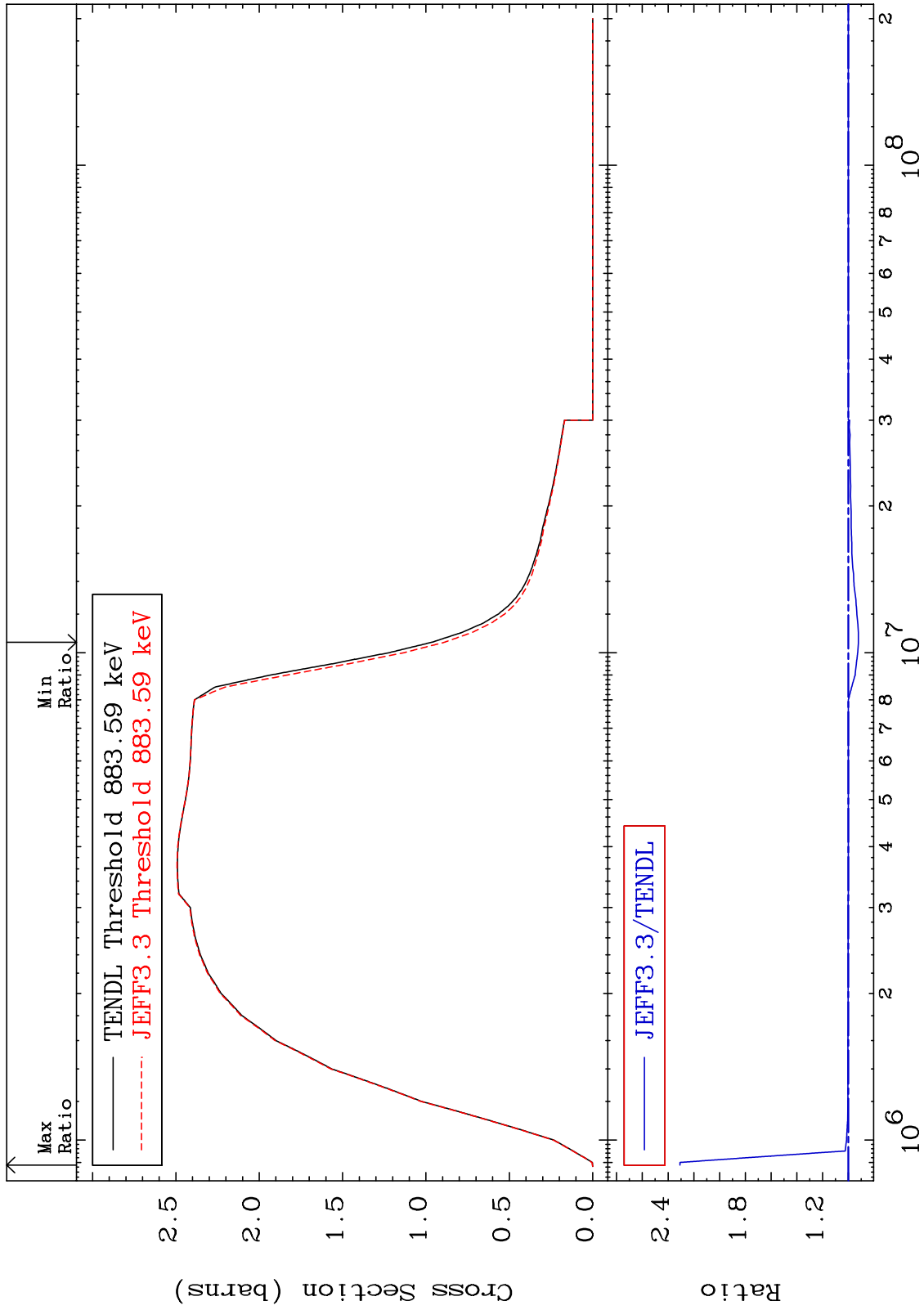
Incident Energy (eV)

69-Tm-169

MAT 6925

(n, n') Continuum
Cross Section

69-Tm-169
-7.796 To 130.7 %



48

Incident Energy (eV)

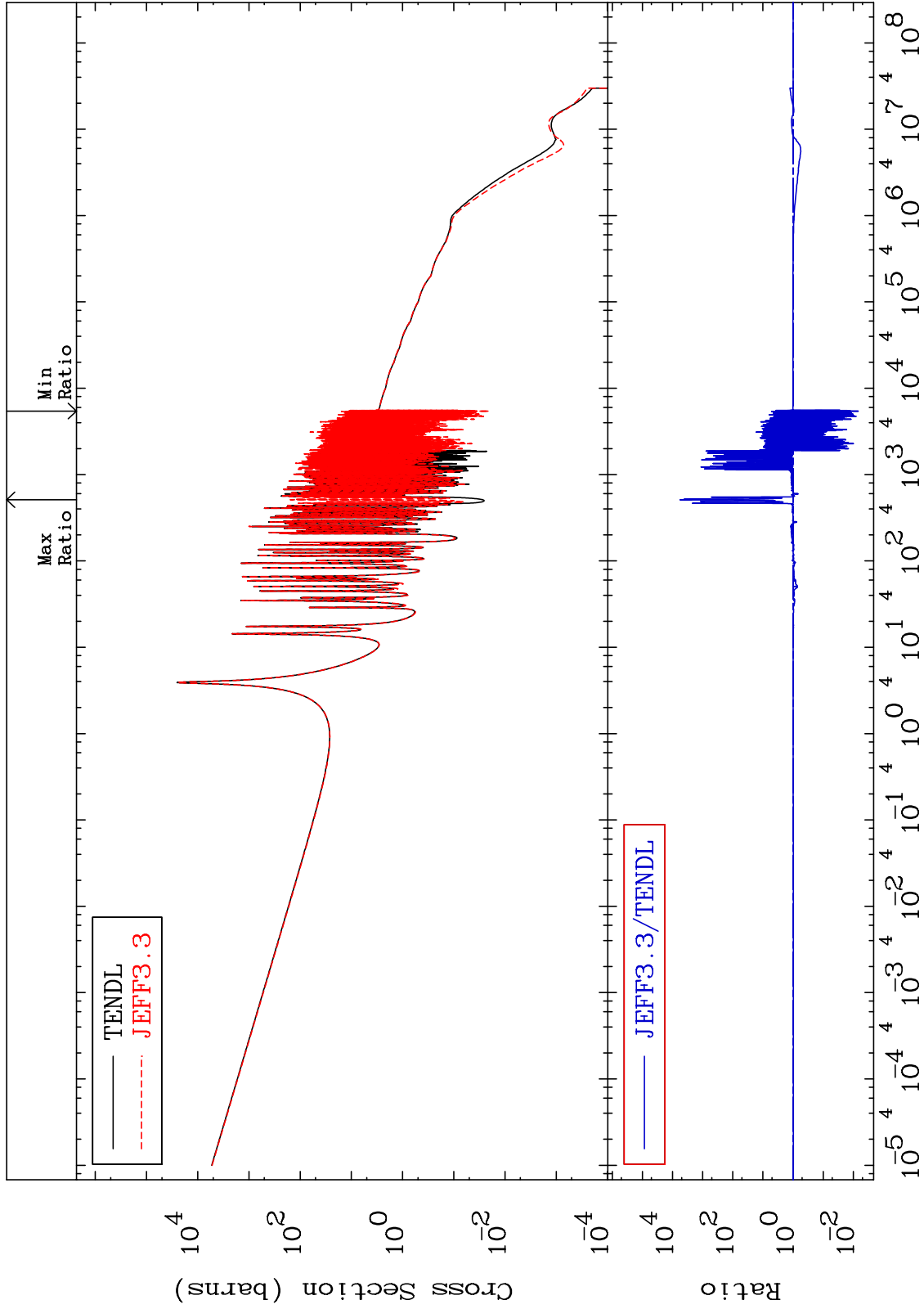
69-Tm-169

MAT 6925

69-Tm-169

-99.32 To 9999. %

(n, γ)
Cross Section



49

Incident Energy (eV)

69-Tm-169

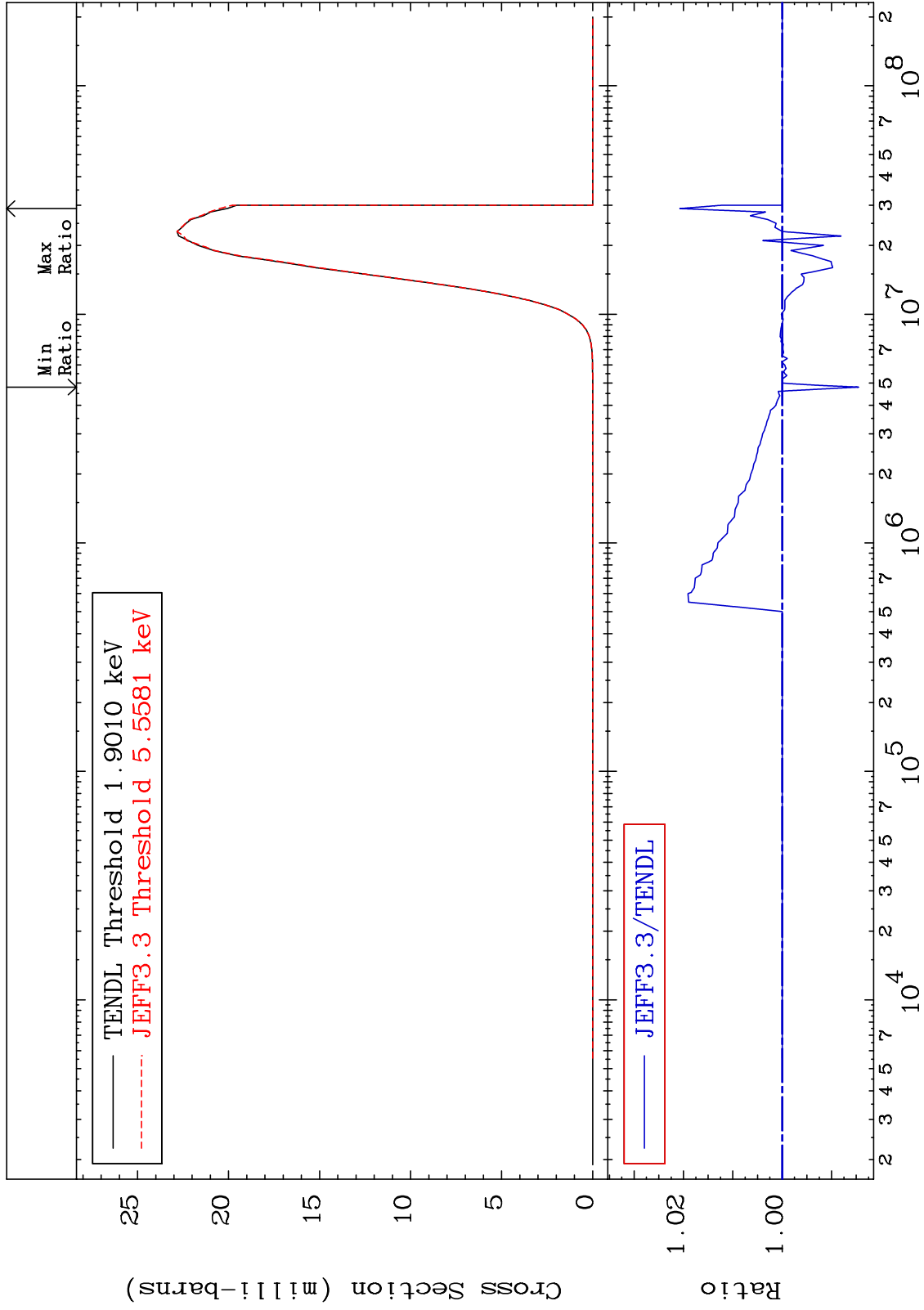
MAT 6925

(n, p)

69-Tm-169

Cross Section

-1.544 To 2.070 %



50

Incident Energy (eV)

69-Tm-169

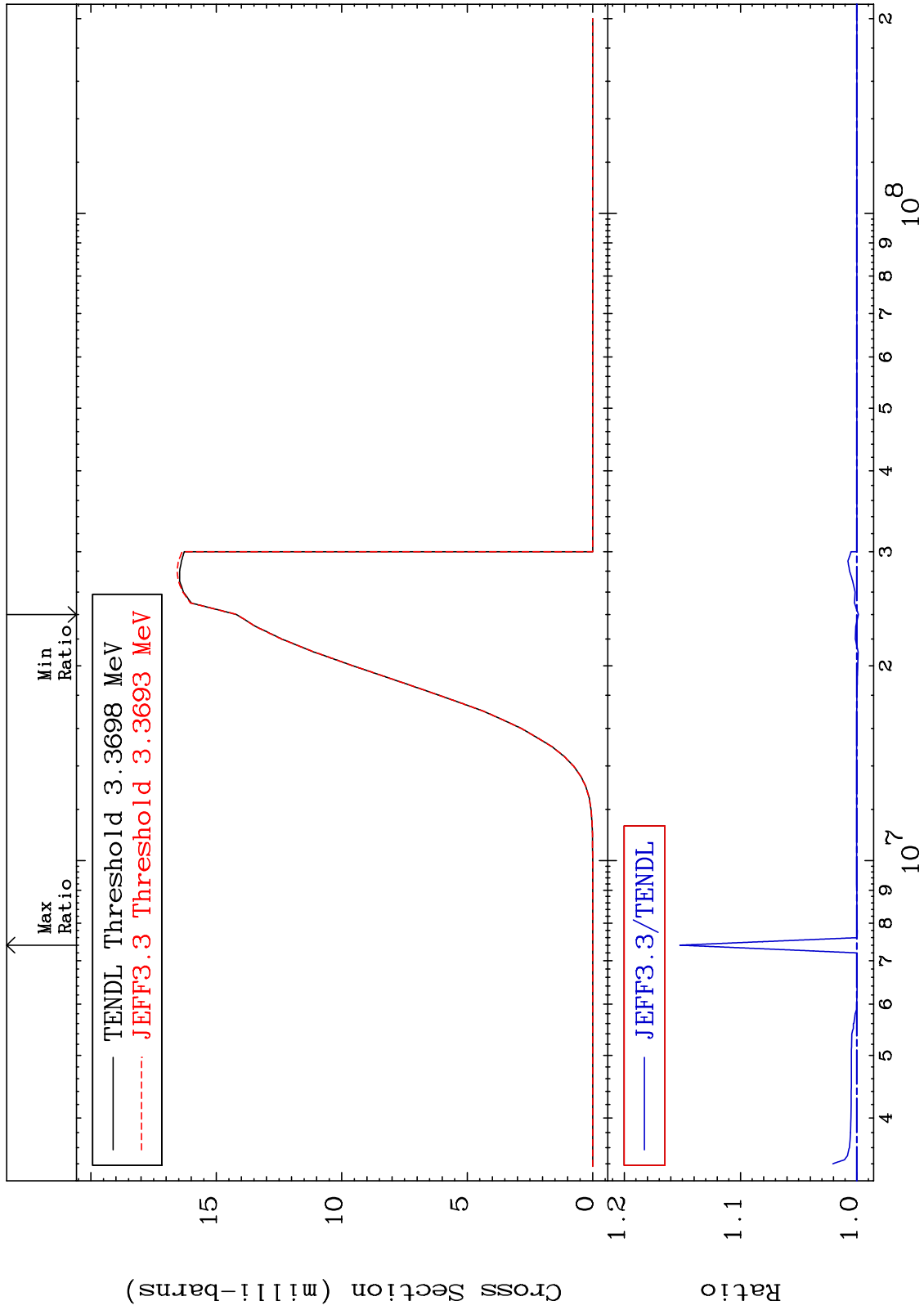
MAT 6925

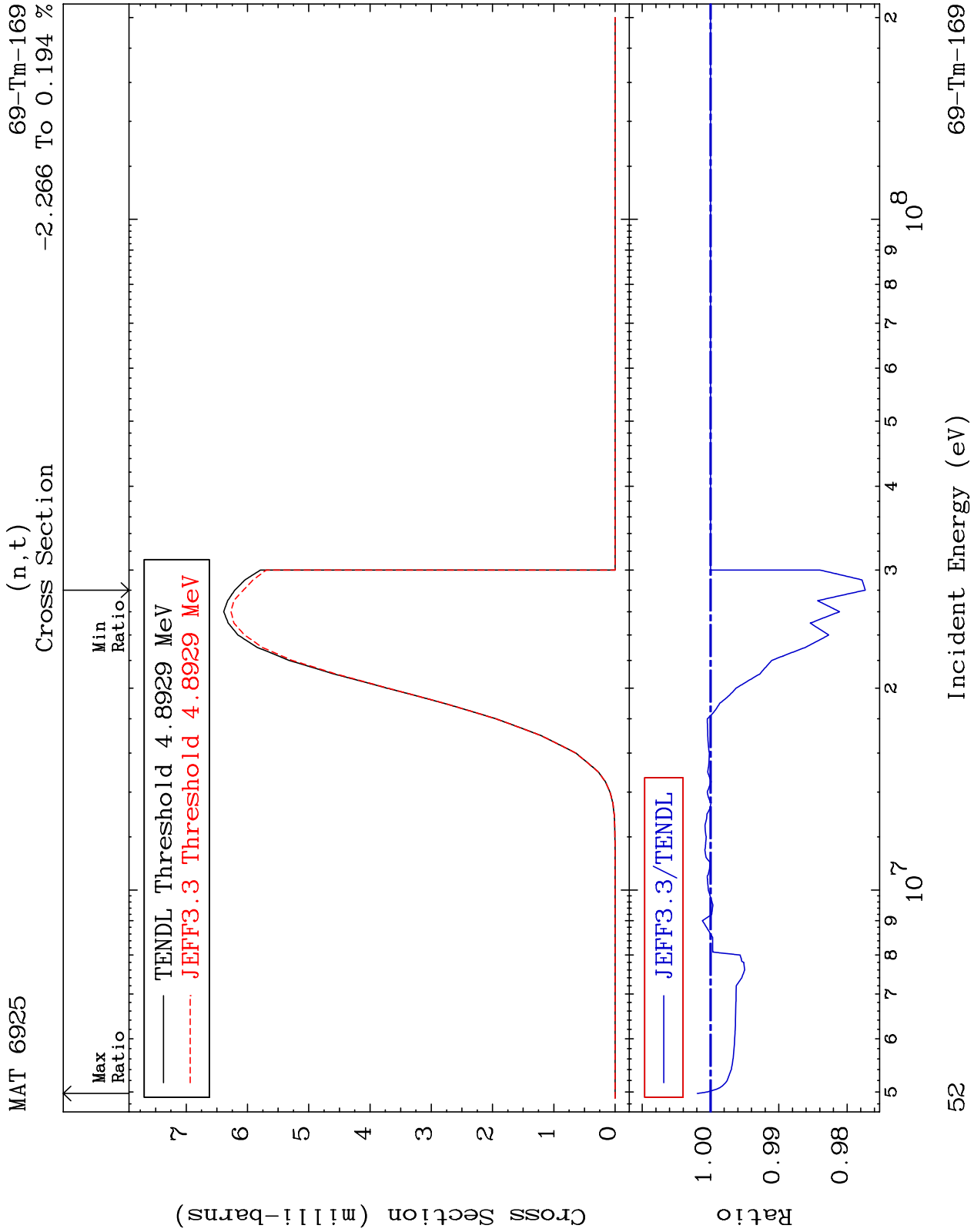
(n, d)

69-Tm-169

Cross Section

-0.140 To 15.20 %





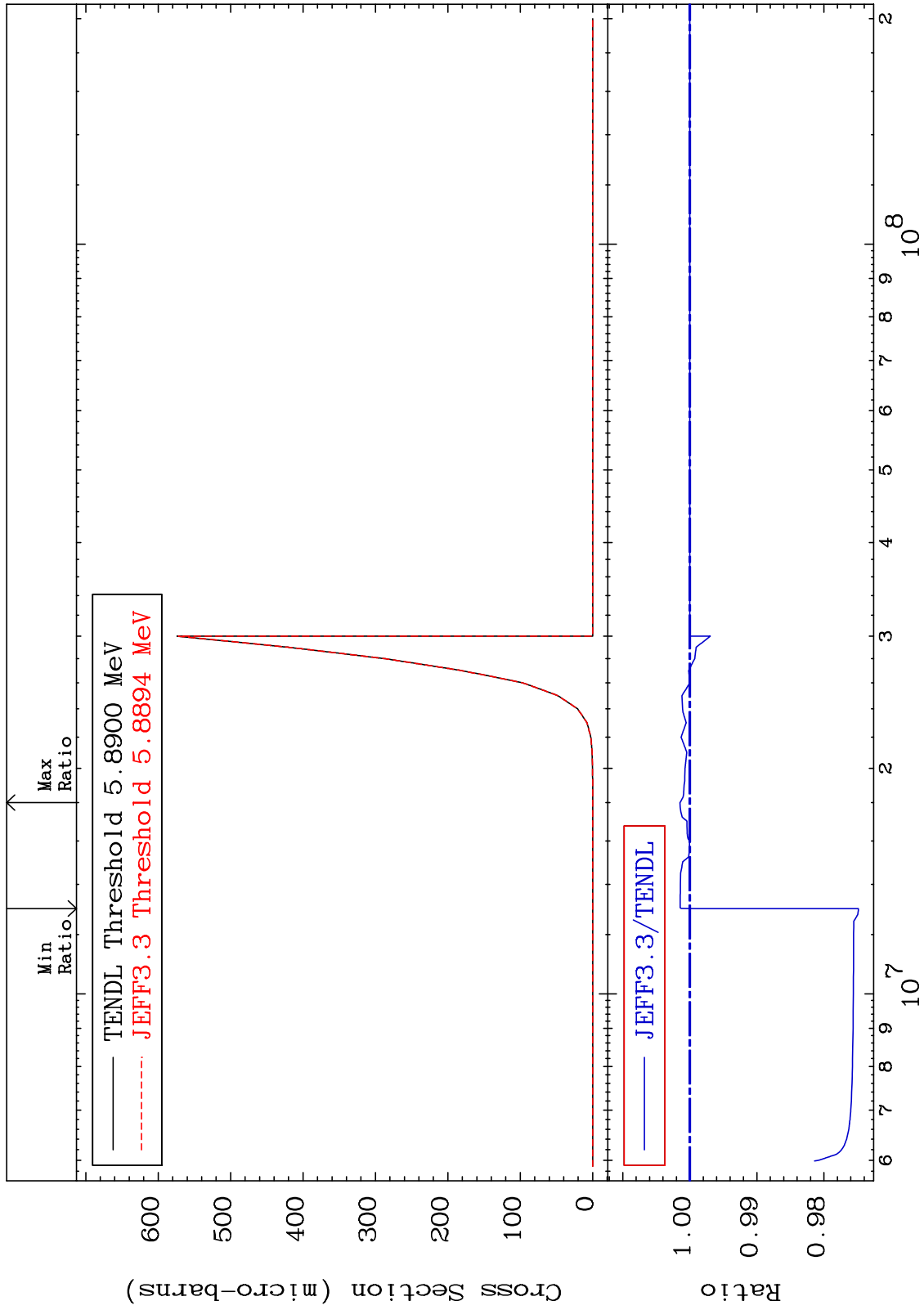
MAT 6925

(n, He-3)

69-Tm-169

Cross Section

-2.514 To 0.146 %



53

Incident Energy (eV)

69-Tm-169

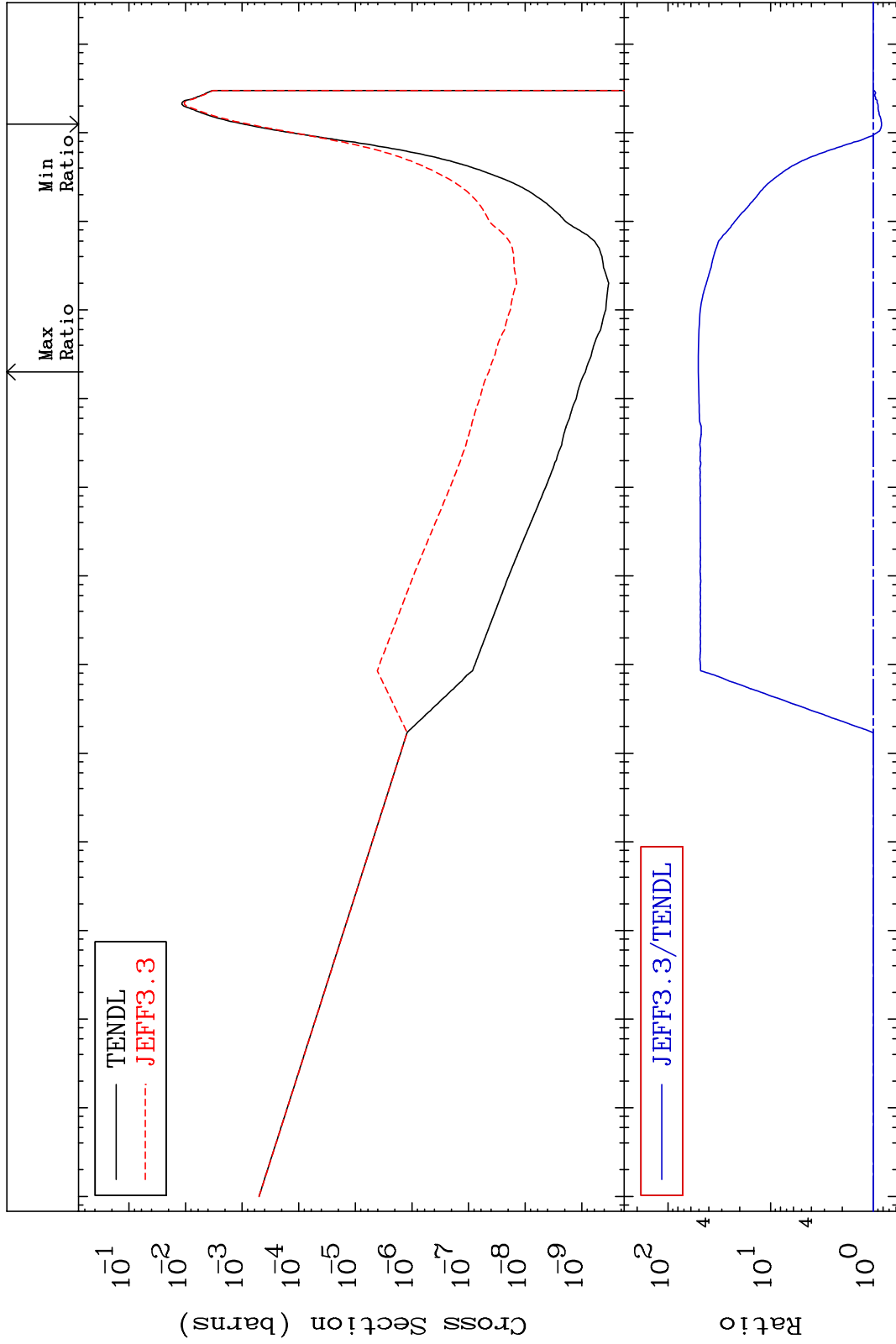
MAT 6925

(n, α)

69-Tm-169

Cross Section

-17.04 To 4965. %



— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

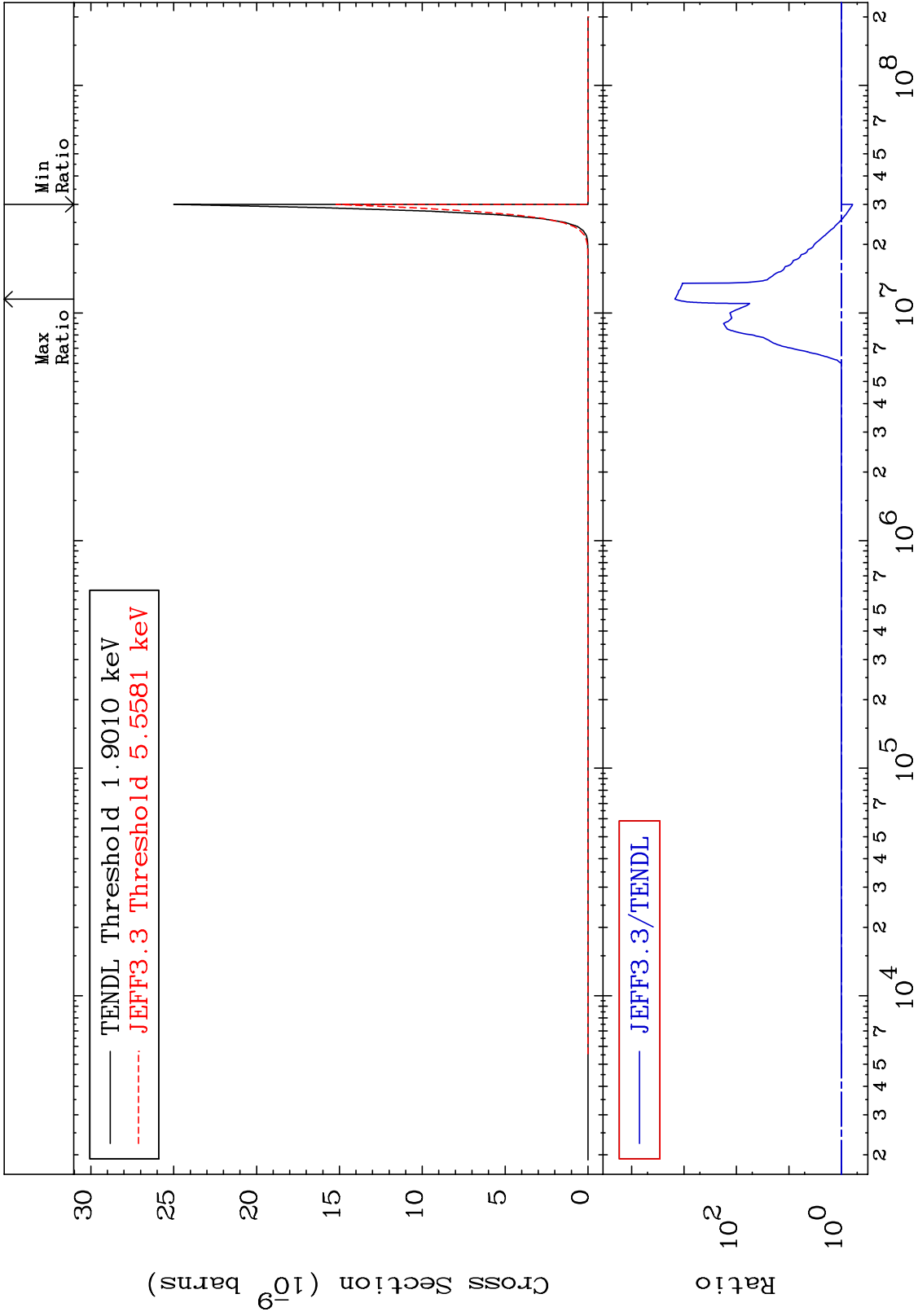
MAT 6925

(n, 2α)

69-Tm-169

Cross Section

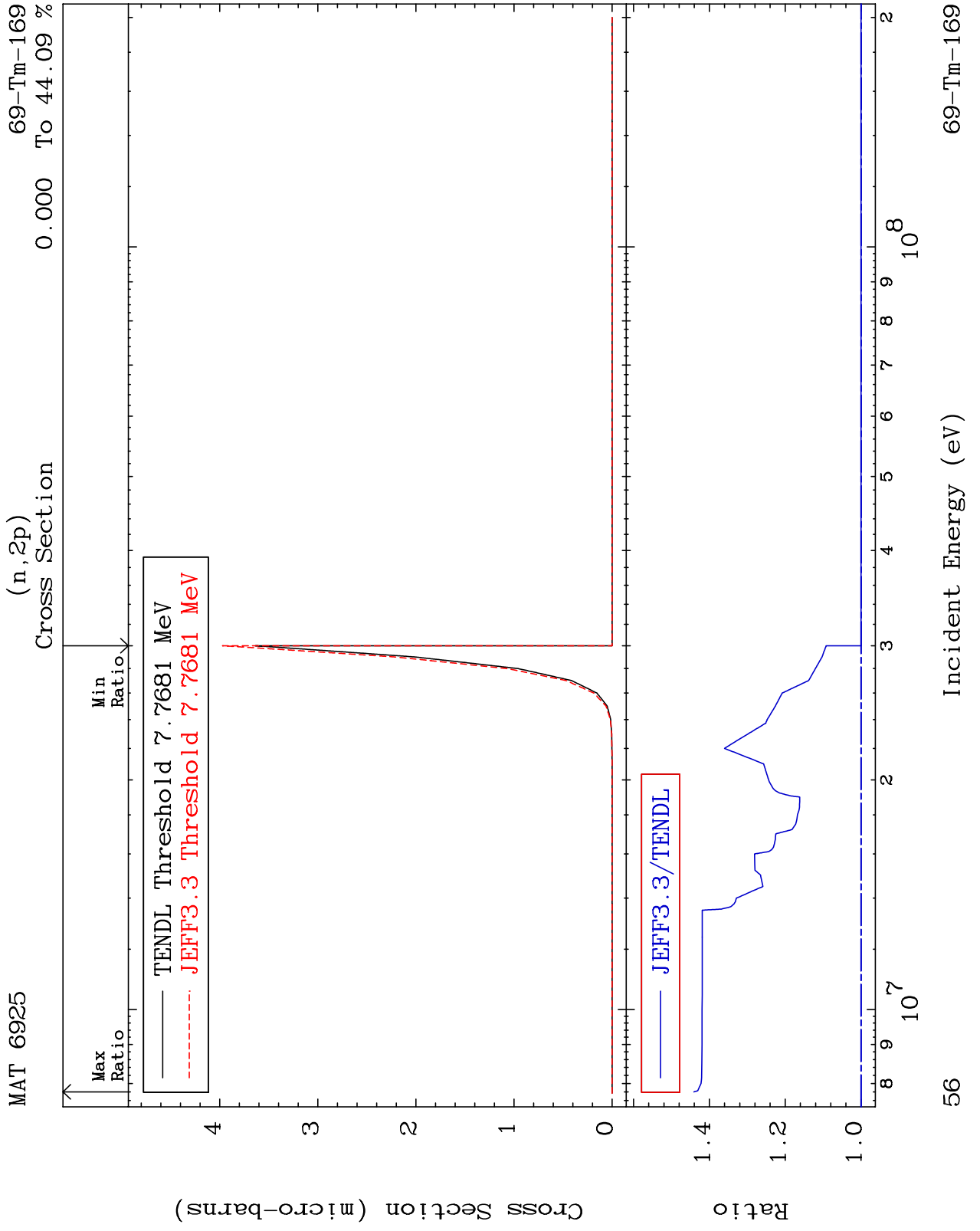
-39.19 To 9999. %



55

69-Tm-169

69-Tm-169



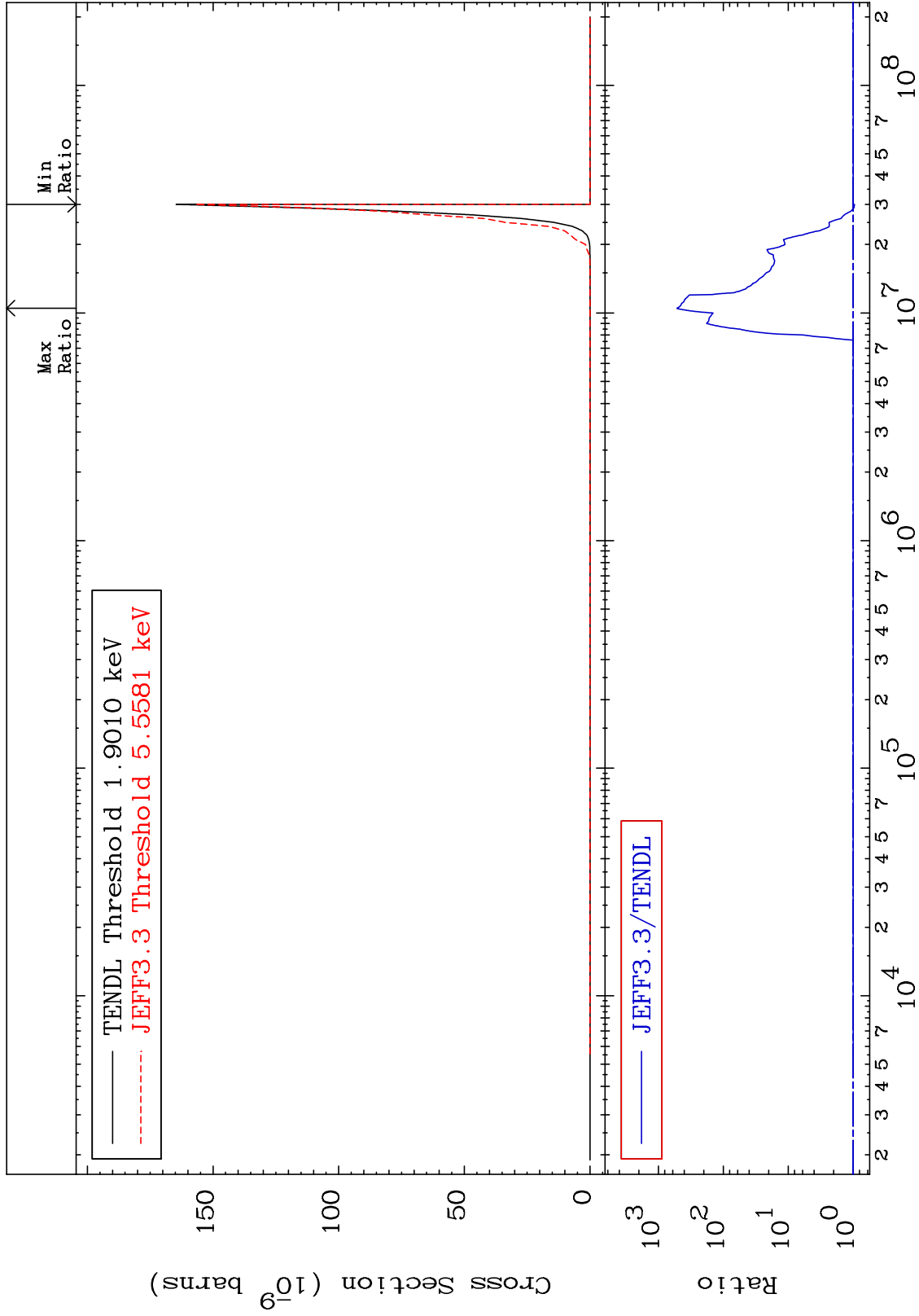
MAT 6925

(n,p) α

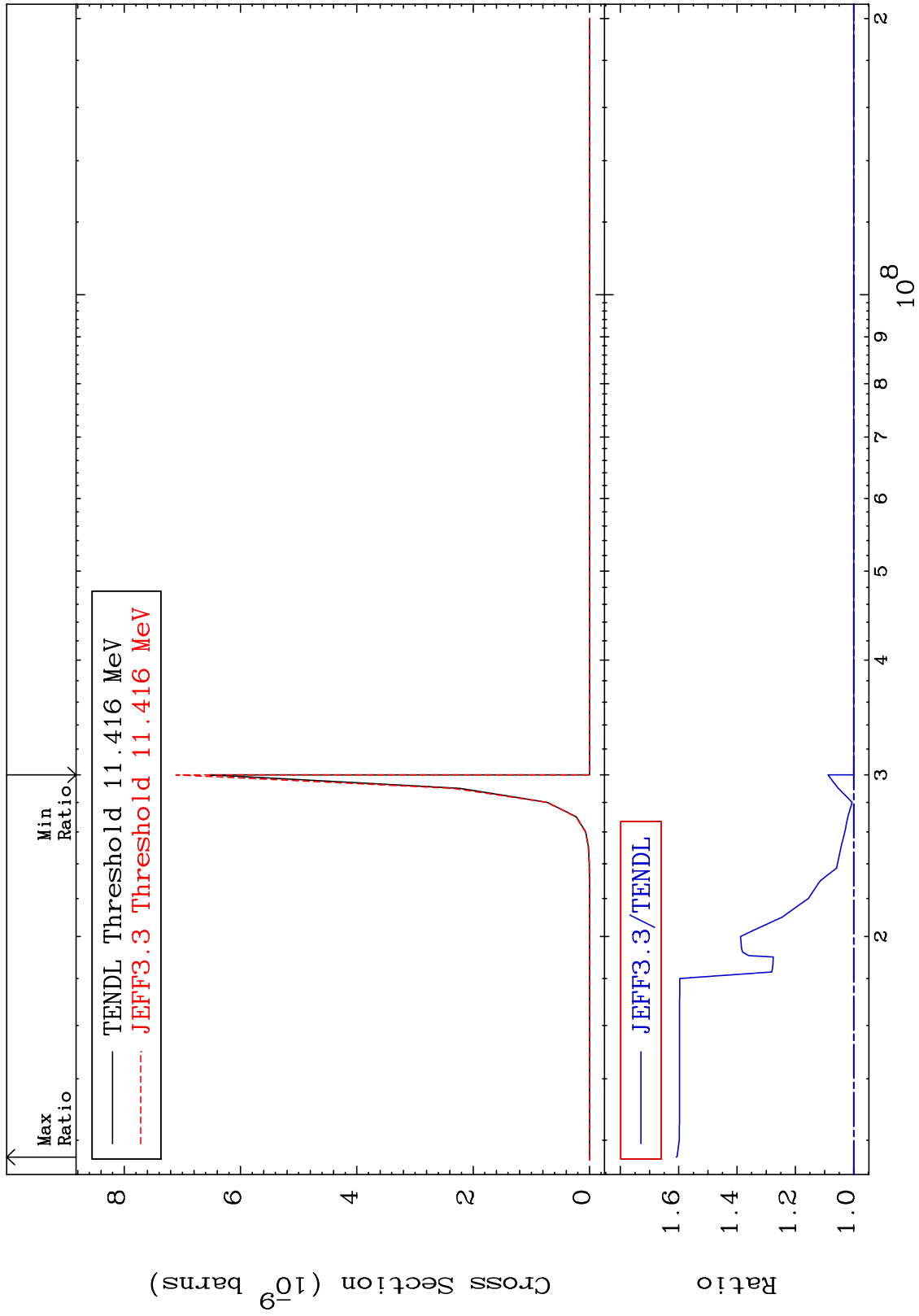
69-Tm-169

Cross Section

-4.529 To 9999. %



MAT 6925 (n,p) d 69-Tm-169
 Cross Section 0.000 To 60.81 %



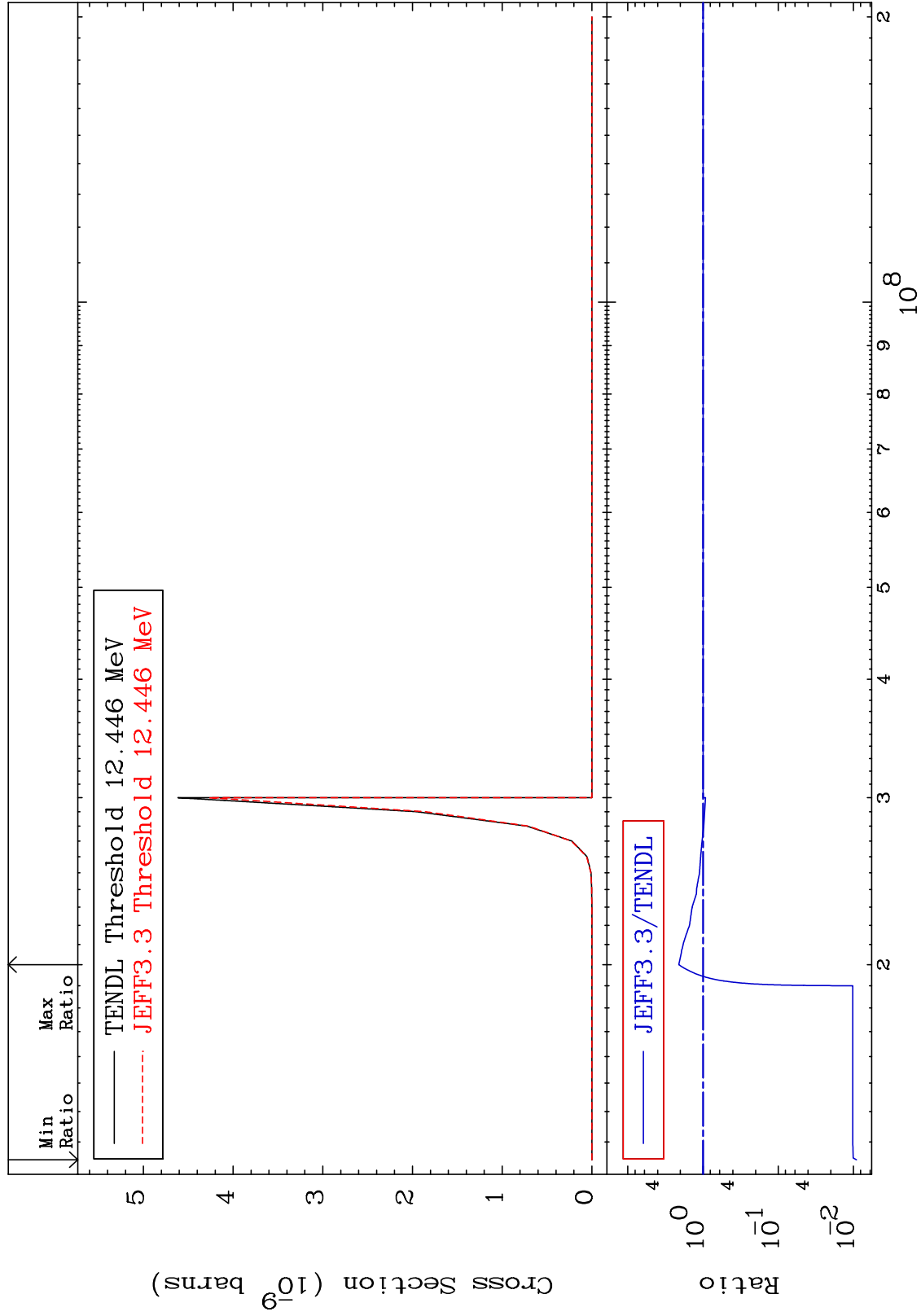
MAT 6925

(n,p) t

69-Tm-169

Cross Section

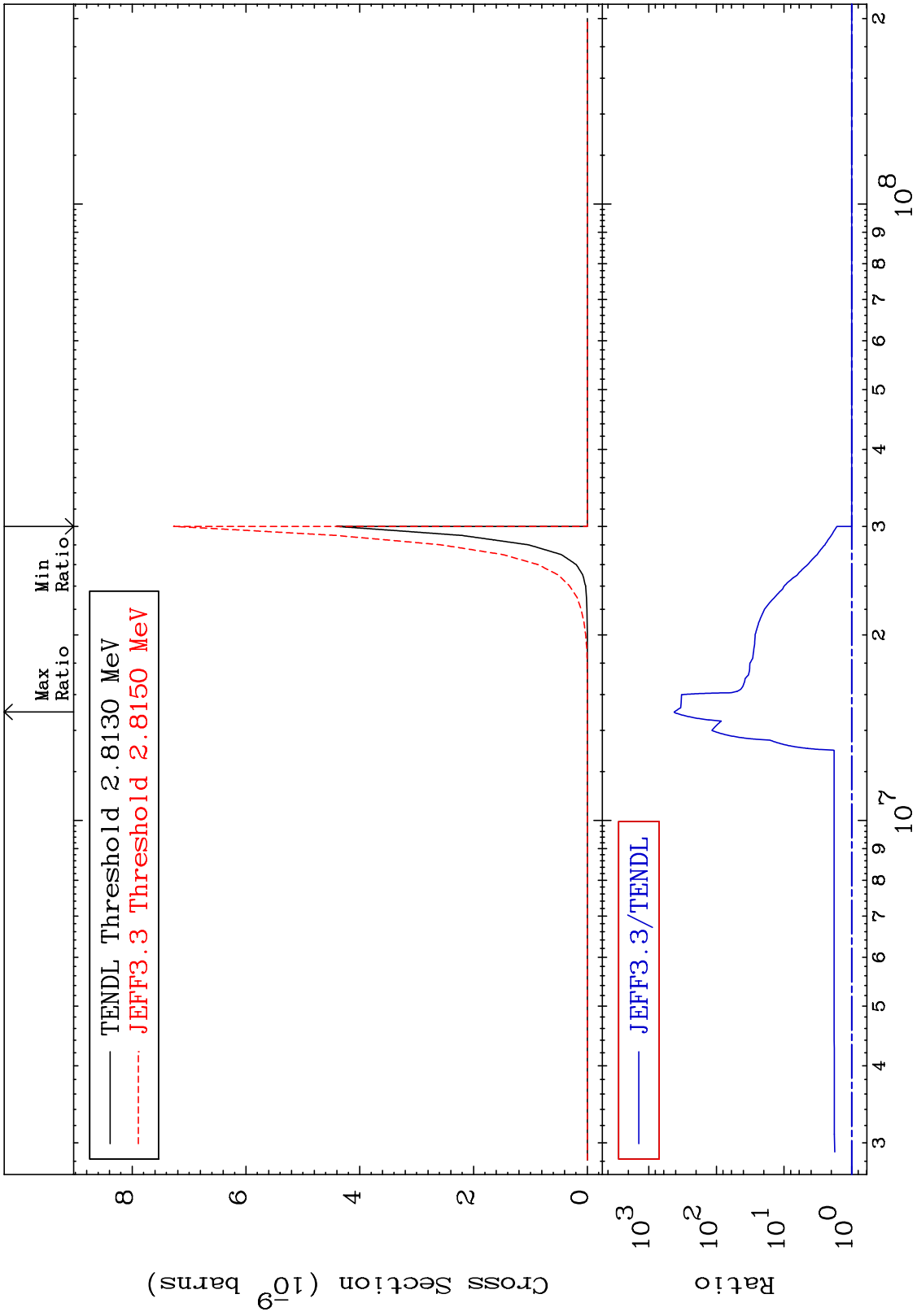
-99.09 To 109.5 %



MAT 6925

(n,d) α
Cross Section

69-Tm-169
To 9999. %
0.000



60

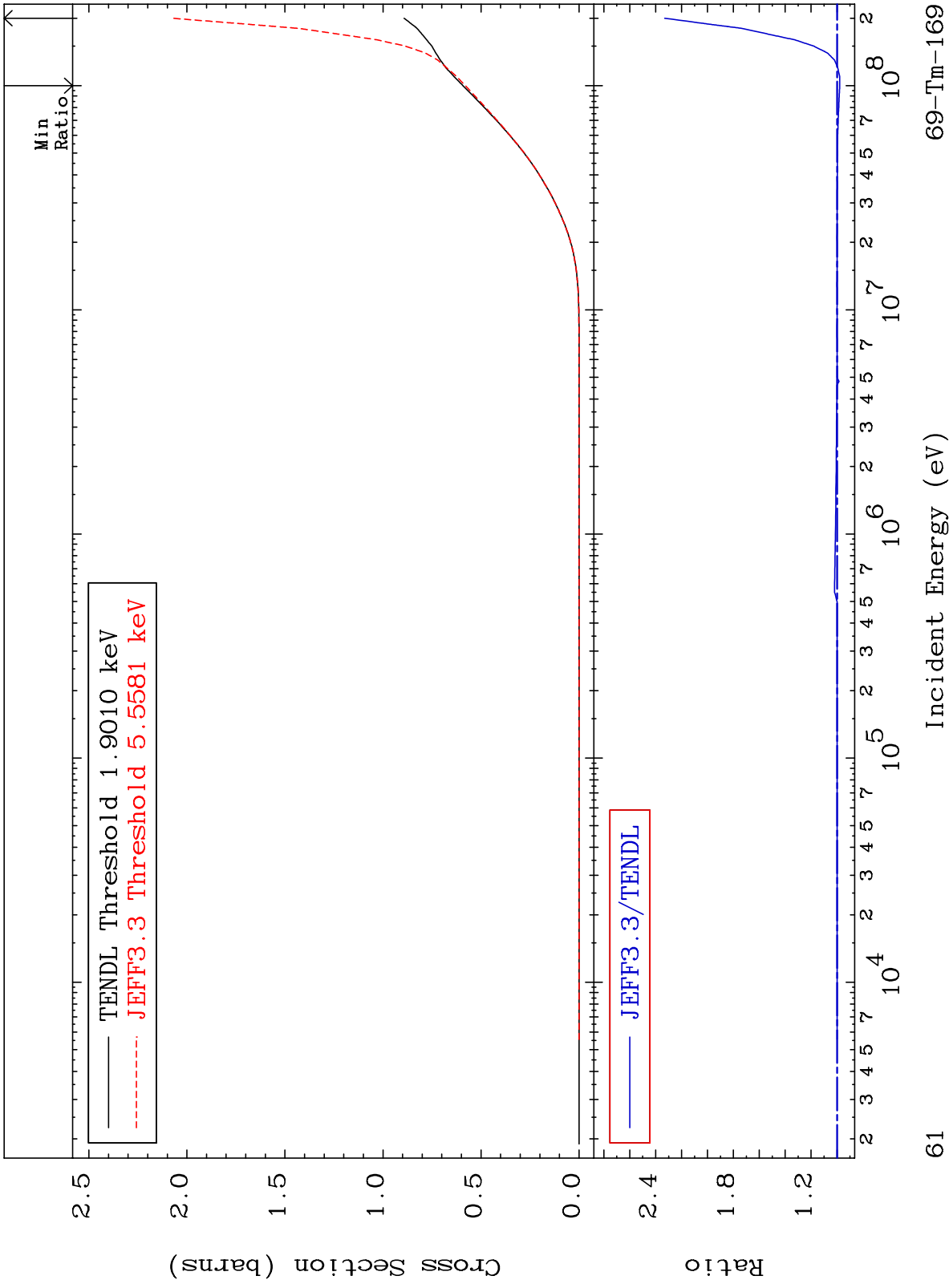
Incident Energy (eV)

69-Tm-169

MAT 6925

Hydrogen Production
Cross Section

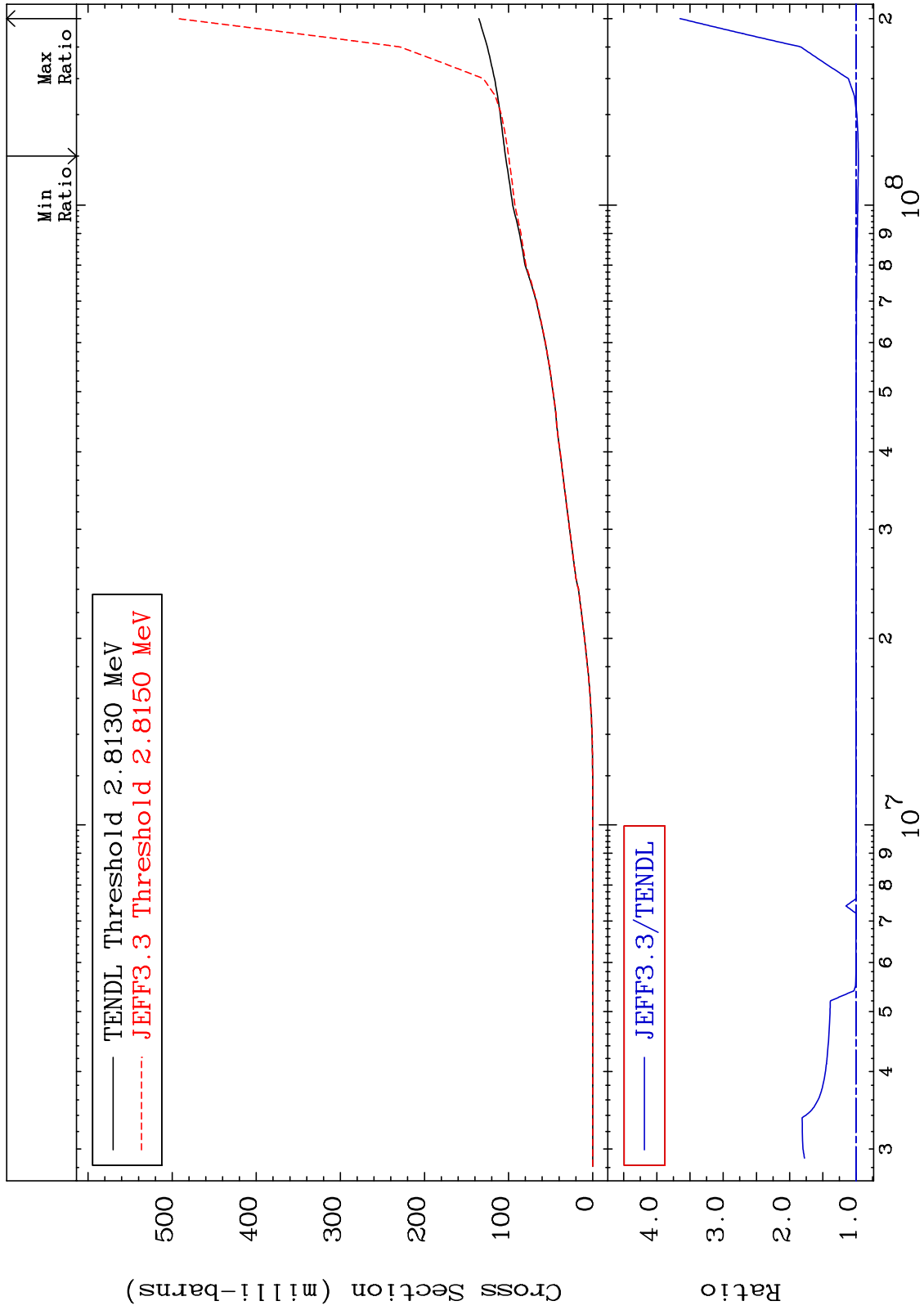
69-Tm-169
-2.089 To 133.0 %



MAT 6925

Deuterium Production
Cross Section

69-Tm-169
-3.643 To 265.1 %



62

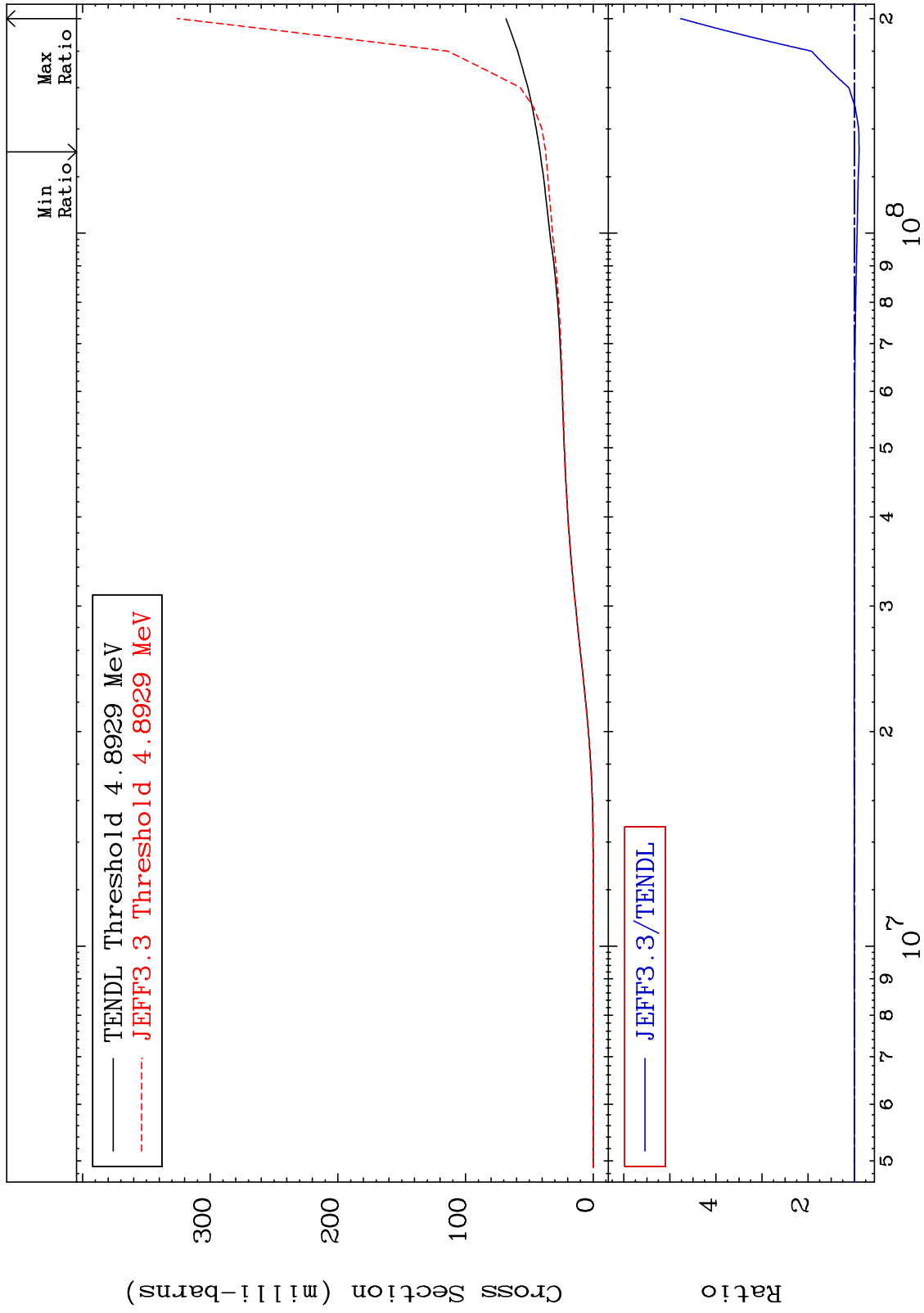
Incident Energy (eV)

69-Tm-169

MAT 6925

Tritium Production
Cross Section

69-Tm-169
-10.73 To 376.7 %



63

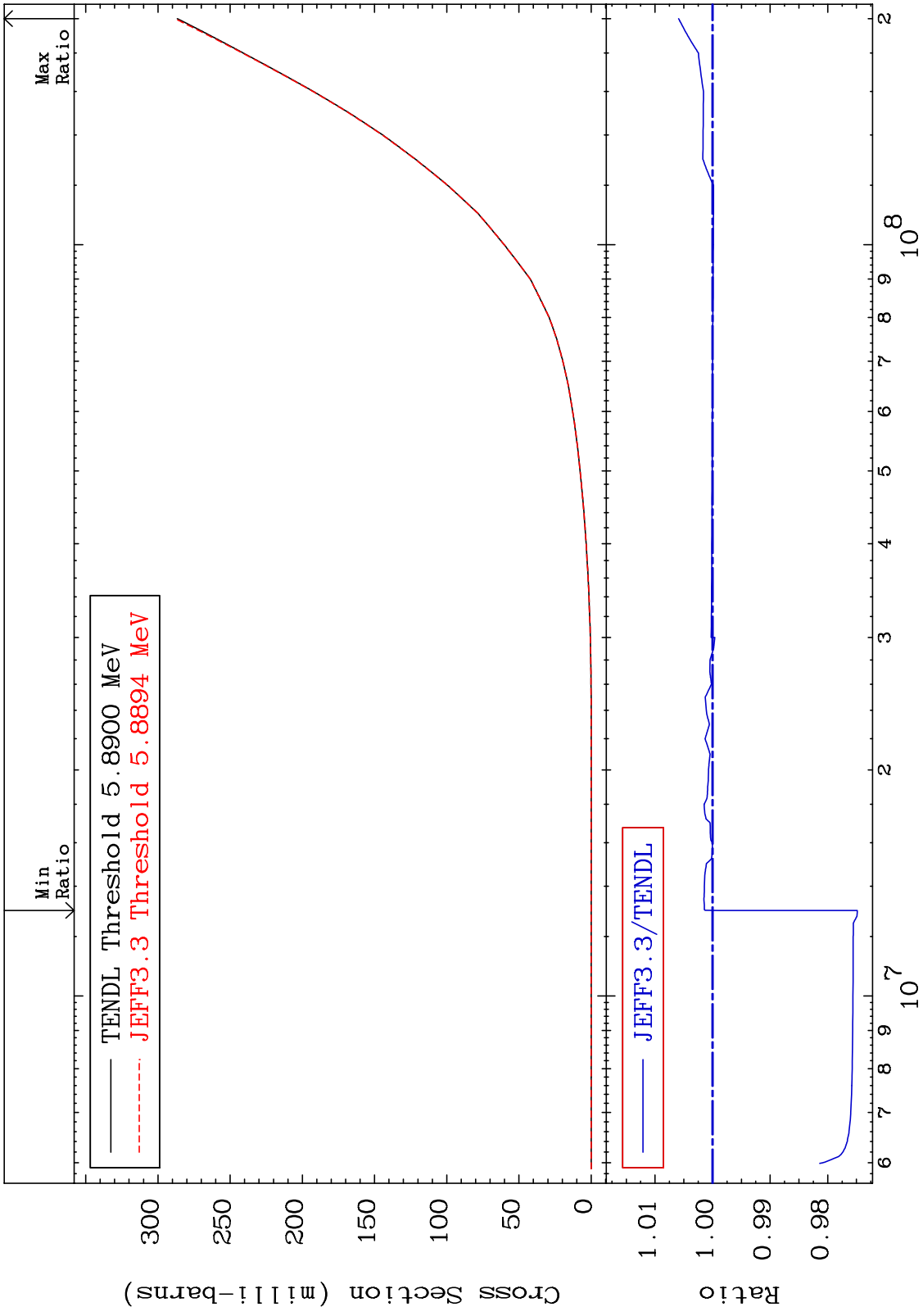
Incident Energy (eV)

69-Tm-169

MAT 6925

He-3 Production
Cross Section

69-Tm-169
-2.514 To 0.590 %



64

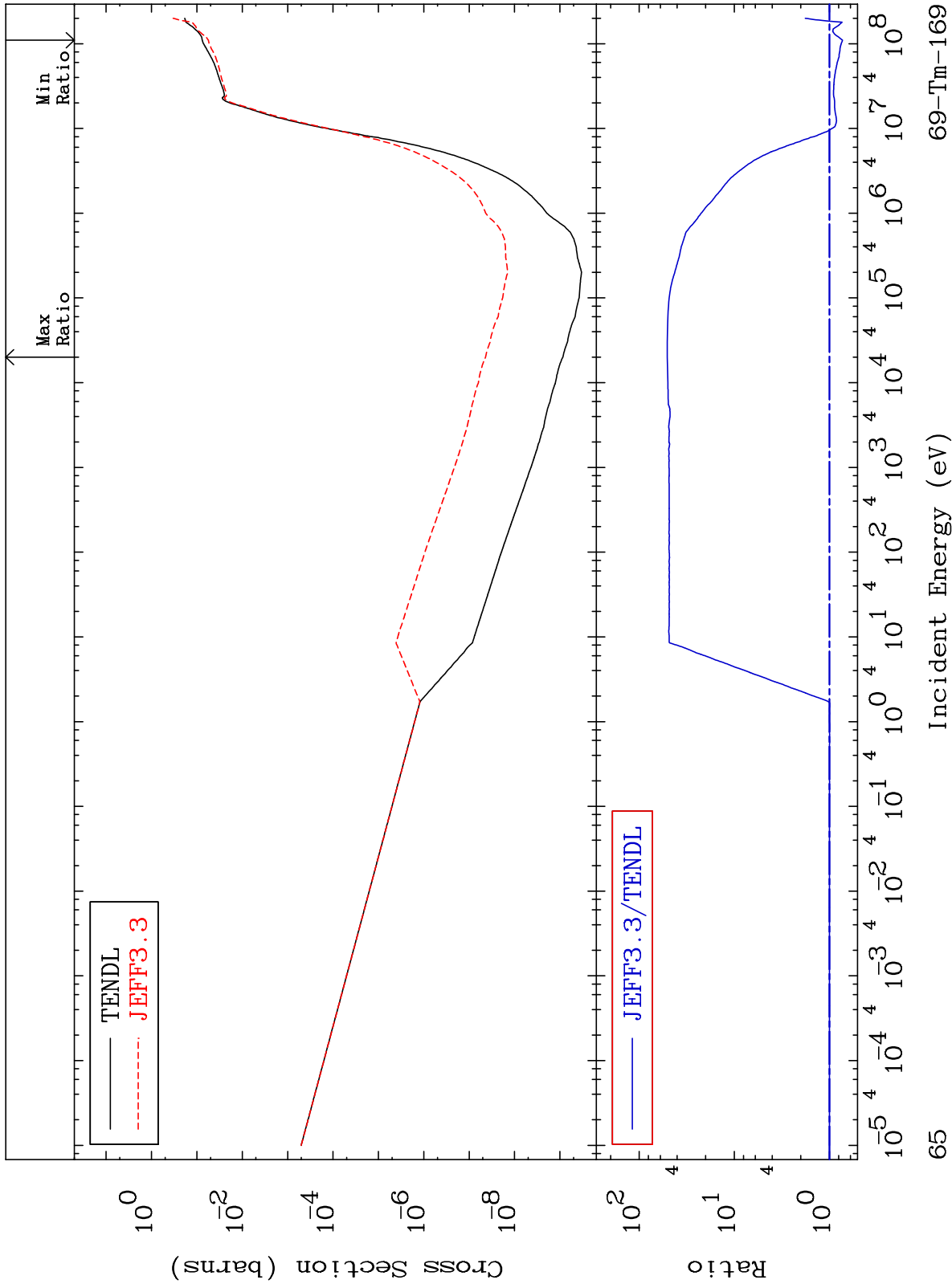
Incident Energy (eV)

69-Tm-169

MAT 6925

He-4 Production
Cross Section

69-Tm-169
-27.32 To 4965. %



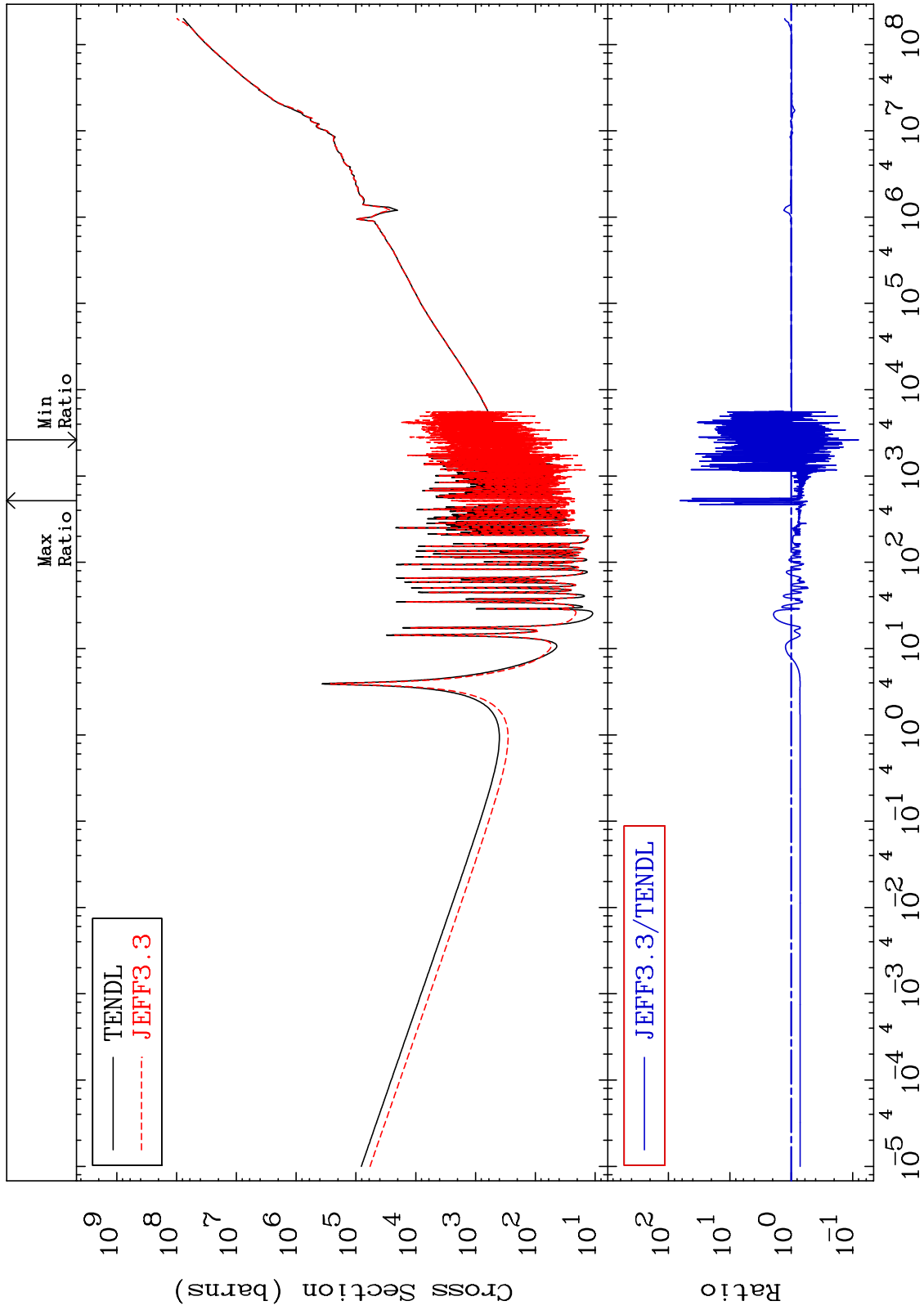
65

69-Tm-169

MAT 6925

Kerma total (eV-barns)
Cross Section

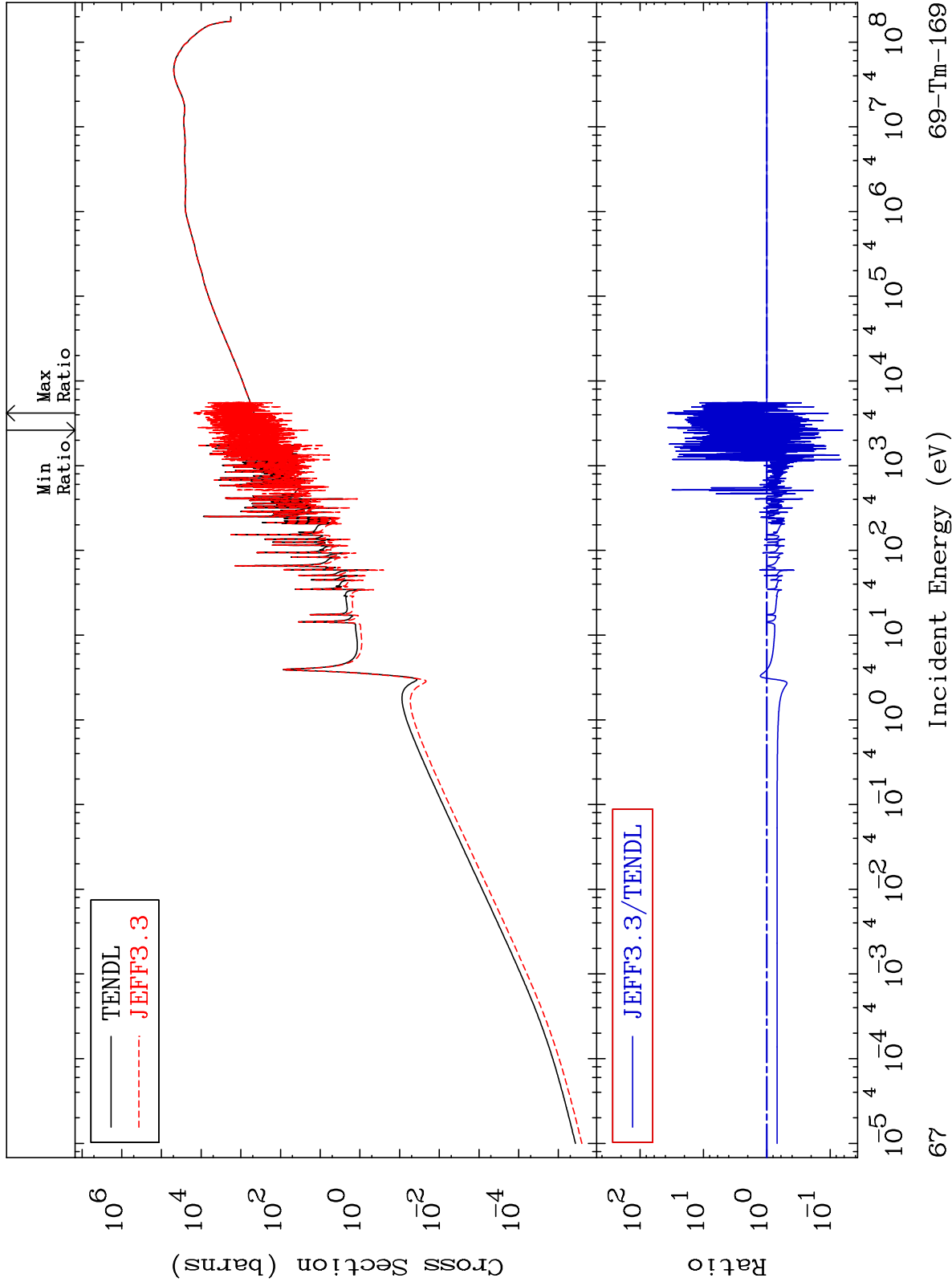
69-Tm-169
-91.96 To 6378. %



MAT 6925

Kerma elastic
Cross Section

69-Tm-169
-93.65 To 3587. %



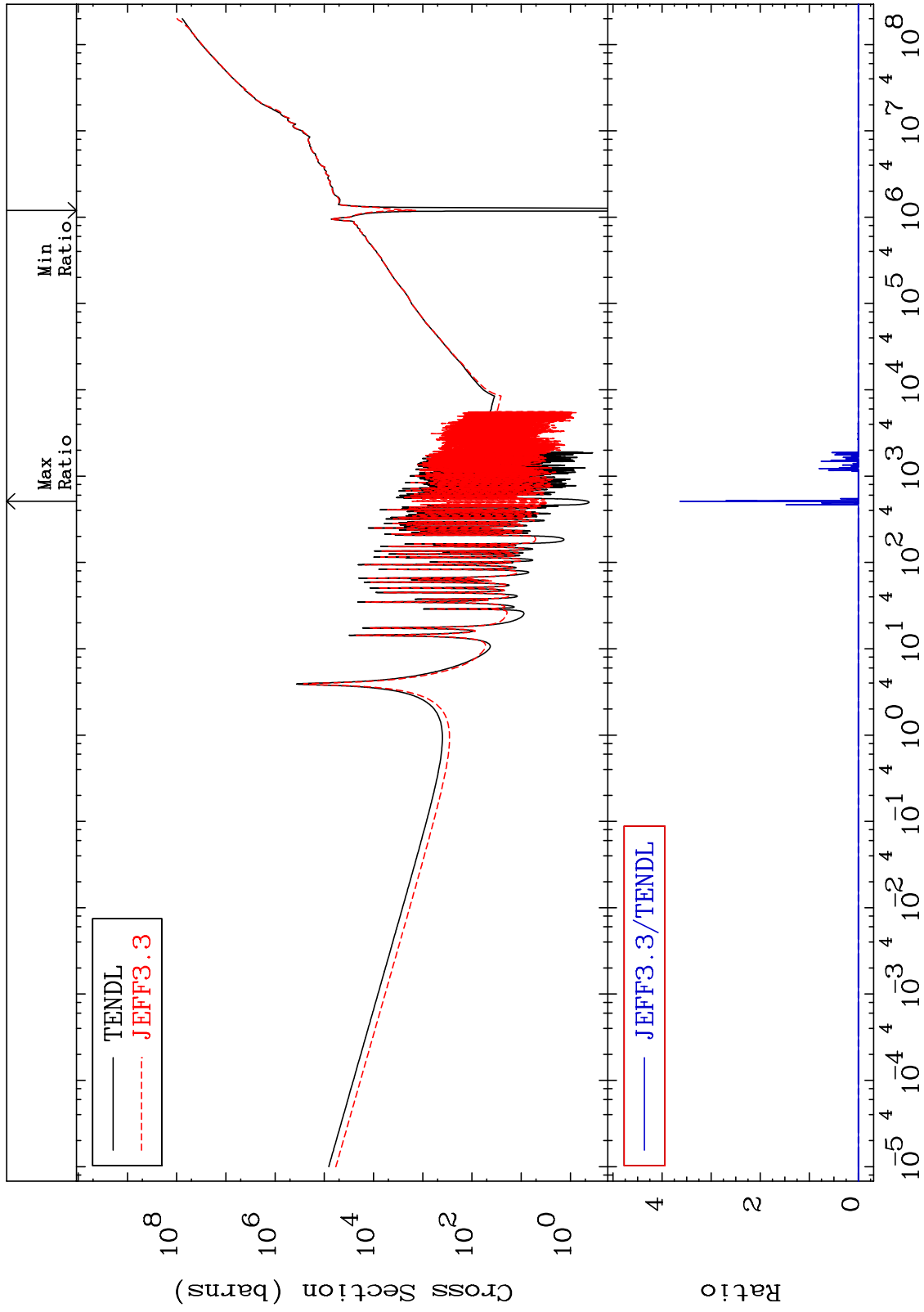
67

69-Tm-169

MAT 6925

Kerma non-elastic (all but mt2)
Cross Section

69-Tm-169
-127.6 To 9999. %



68

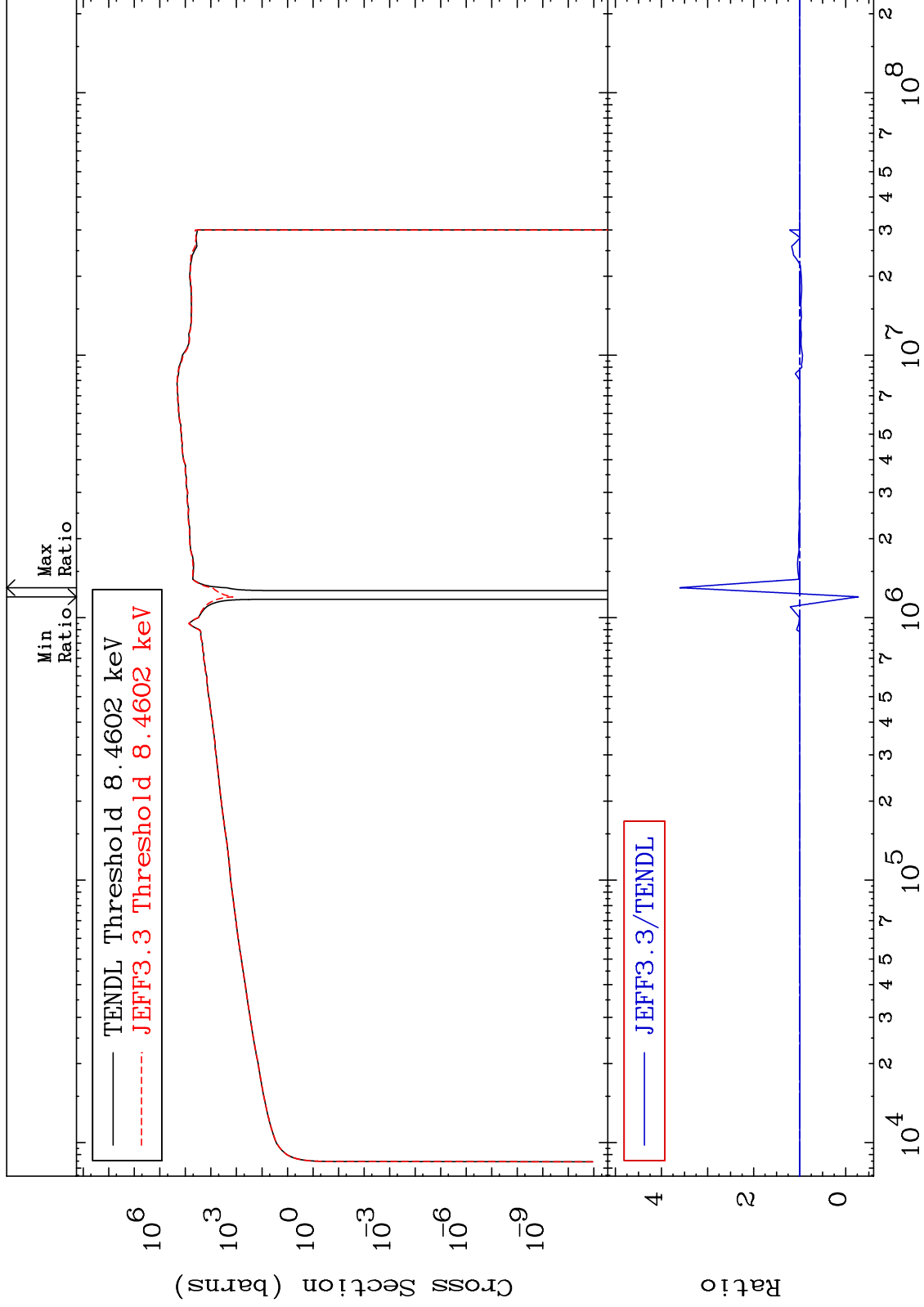
Incident Energy (eV)

69-Tm-169

MAT 6925

Kerma inelastic (mt51-91)
Cross Section

69-Tm-169
-127.6 To 259.8 %



69

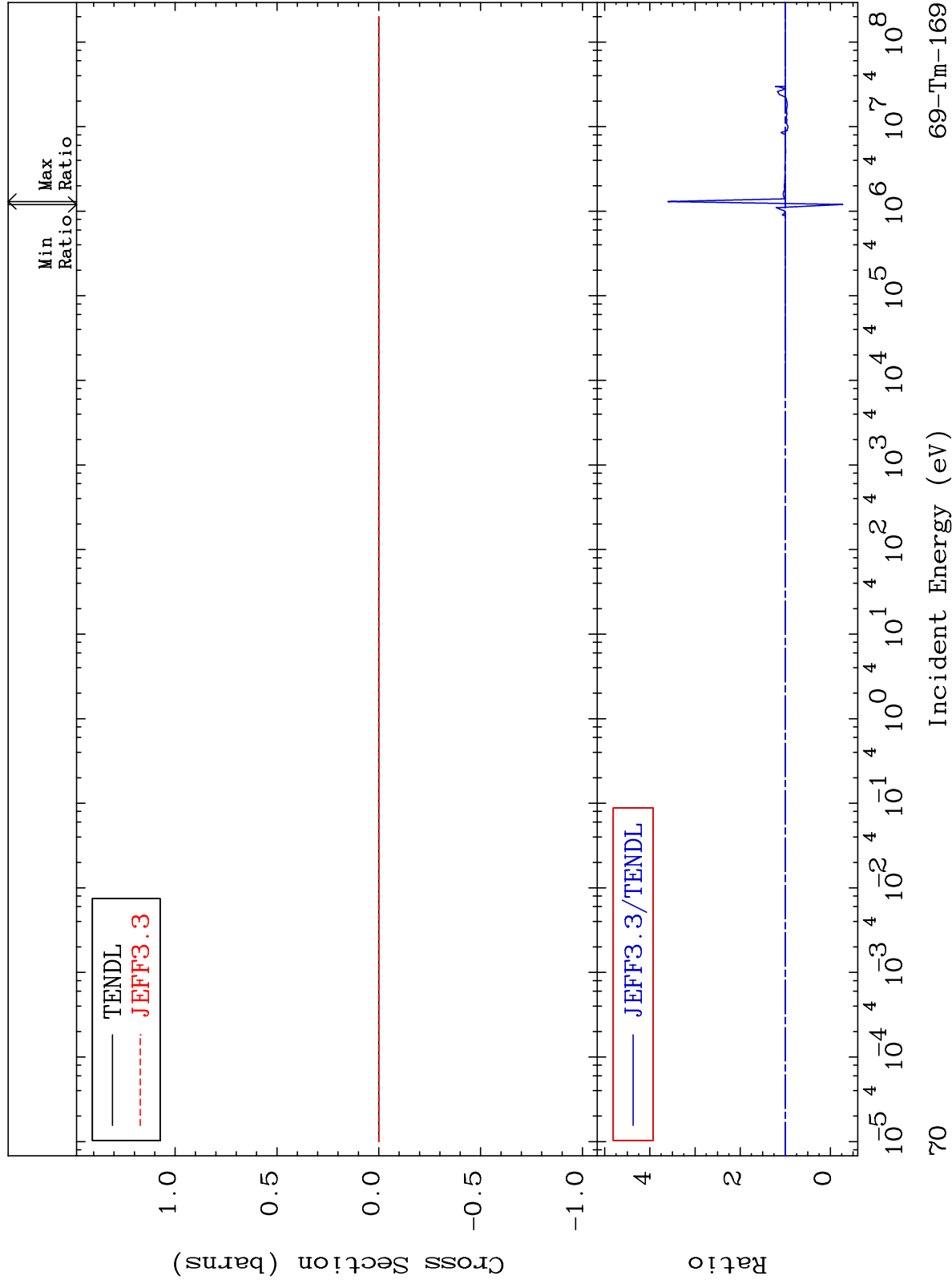
Incident Energy (eV)

69-Tm-169

MAT 6925

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

69-Tm-169
-127.6 To 259.8 %



69-Tm-169

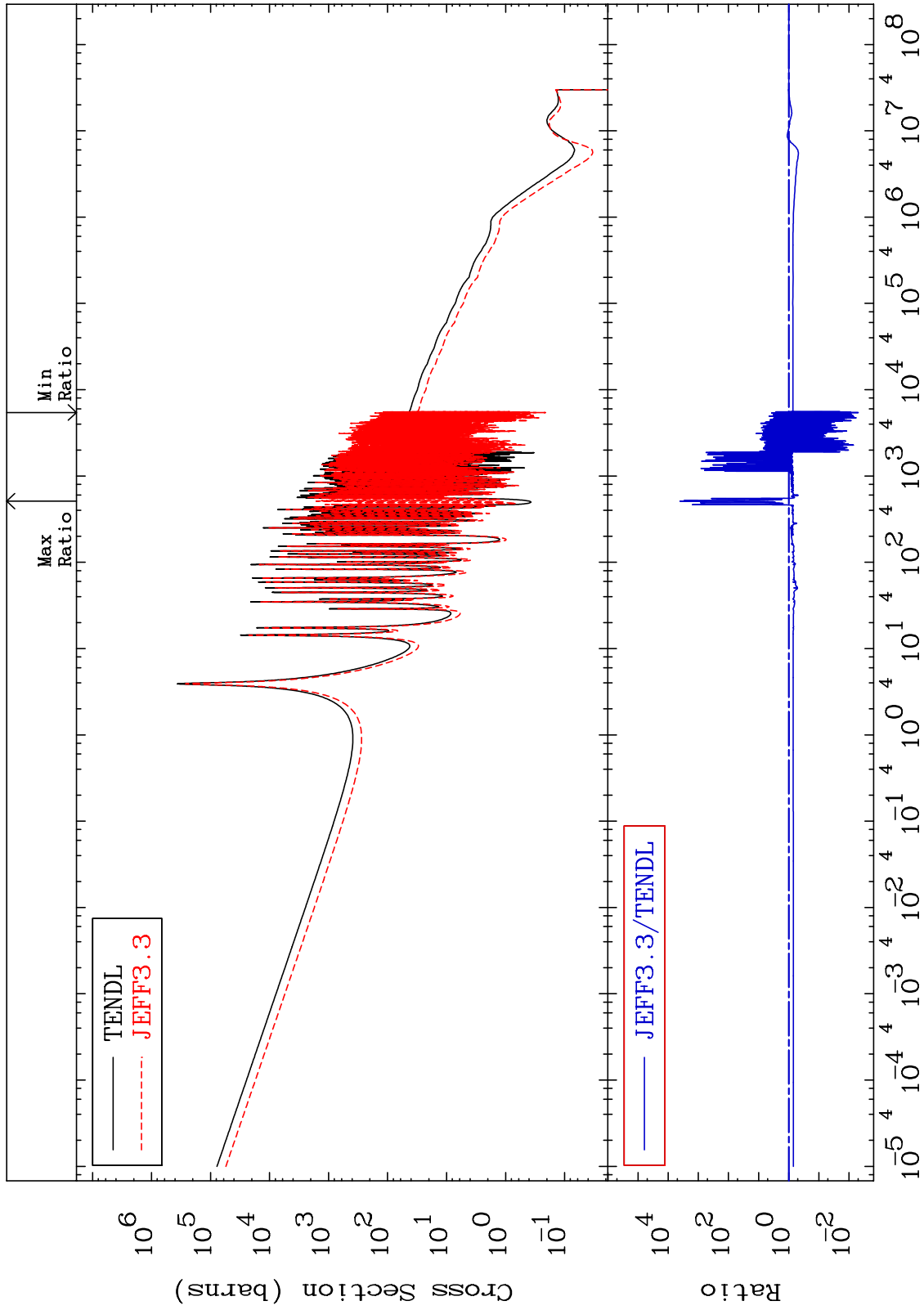
Incident Energy (eV)

70

MAT 6925

Kerma capture (mt102)
Cross Section

69-Tm-169
-99.51 To 9999. %



71

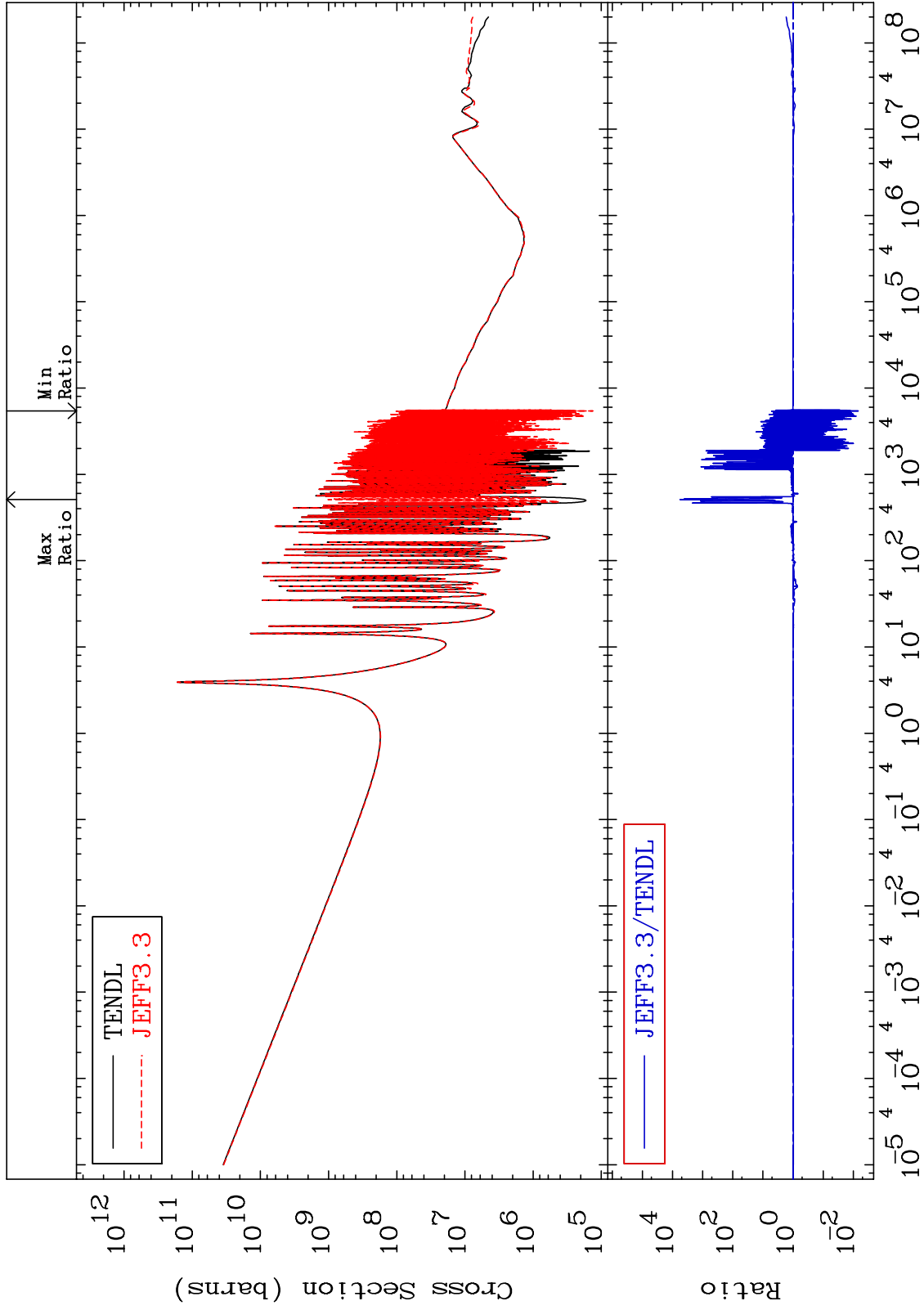
Incident Energy (eV)

69-Tm-169

MAT 6925

Total photon (eV-barns)
Cross Section

69-Tm-169
-99.32 To 9999. %



72

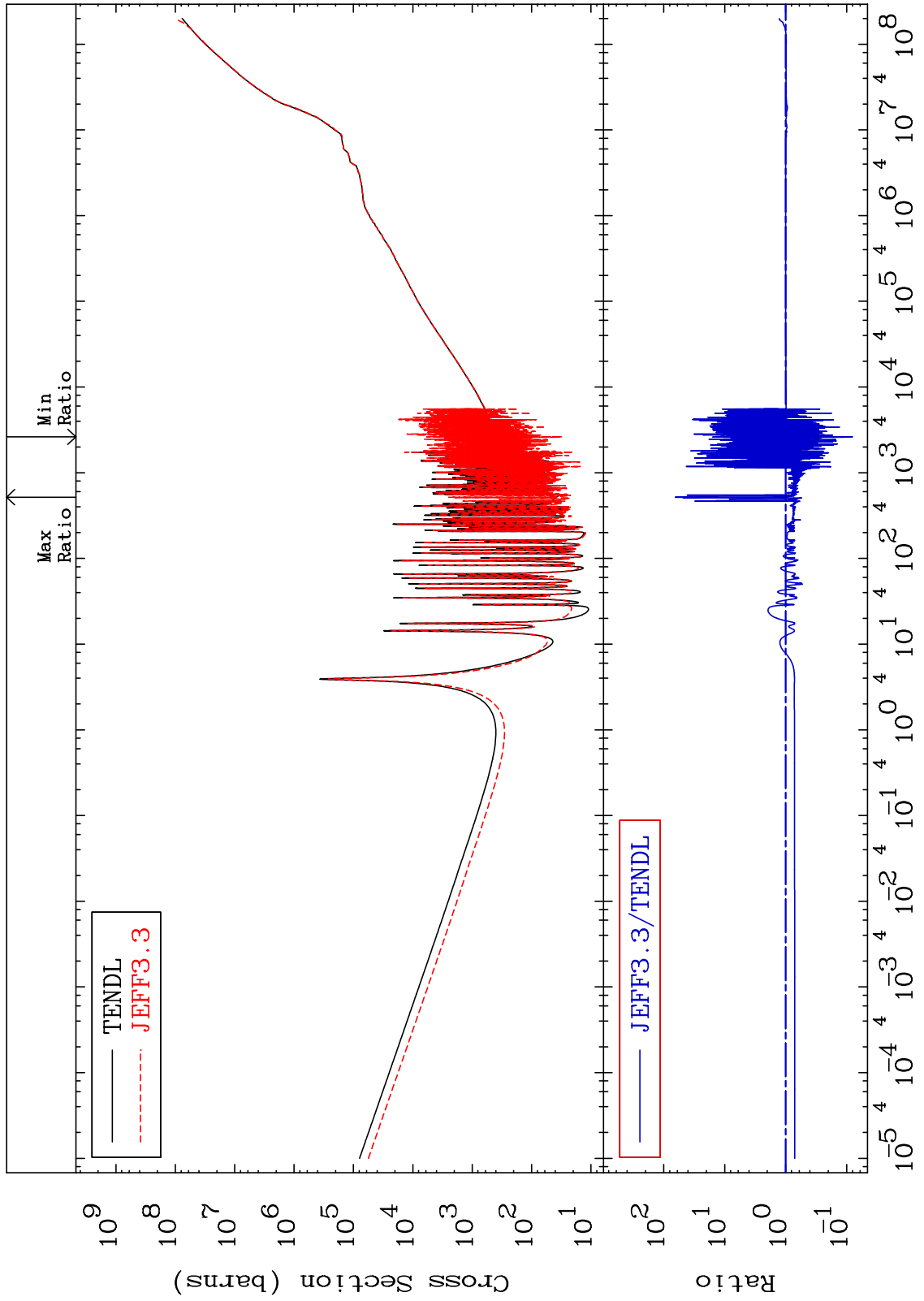
Incident Energy (eV)

69-Tm-169

MAT 6925

Total kinematic kerma (high limit)
Cross Section

69-Tm-169
-91.96 To 6378. %



73

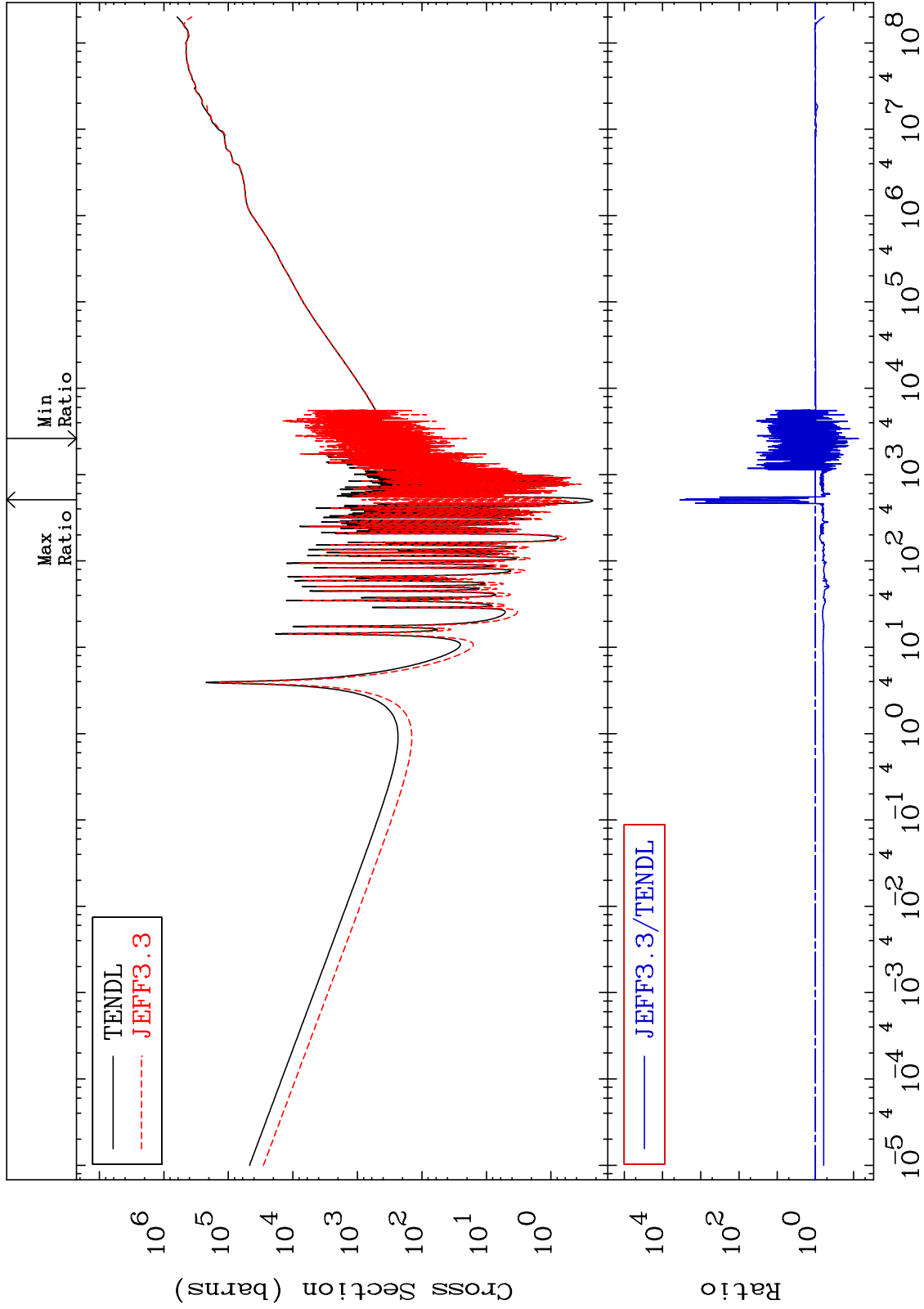
Incident Energy (eV)

69-Tm-169

MAT 6925

Dpa total (eV-barns)
Cross Section

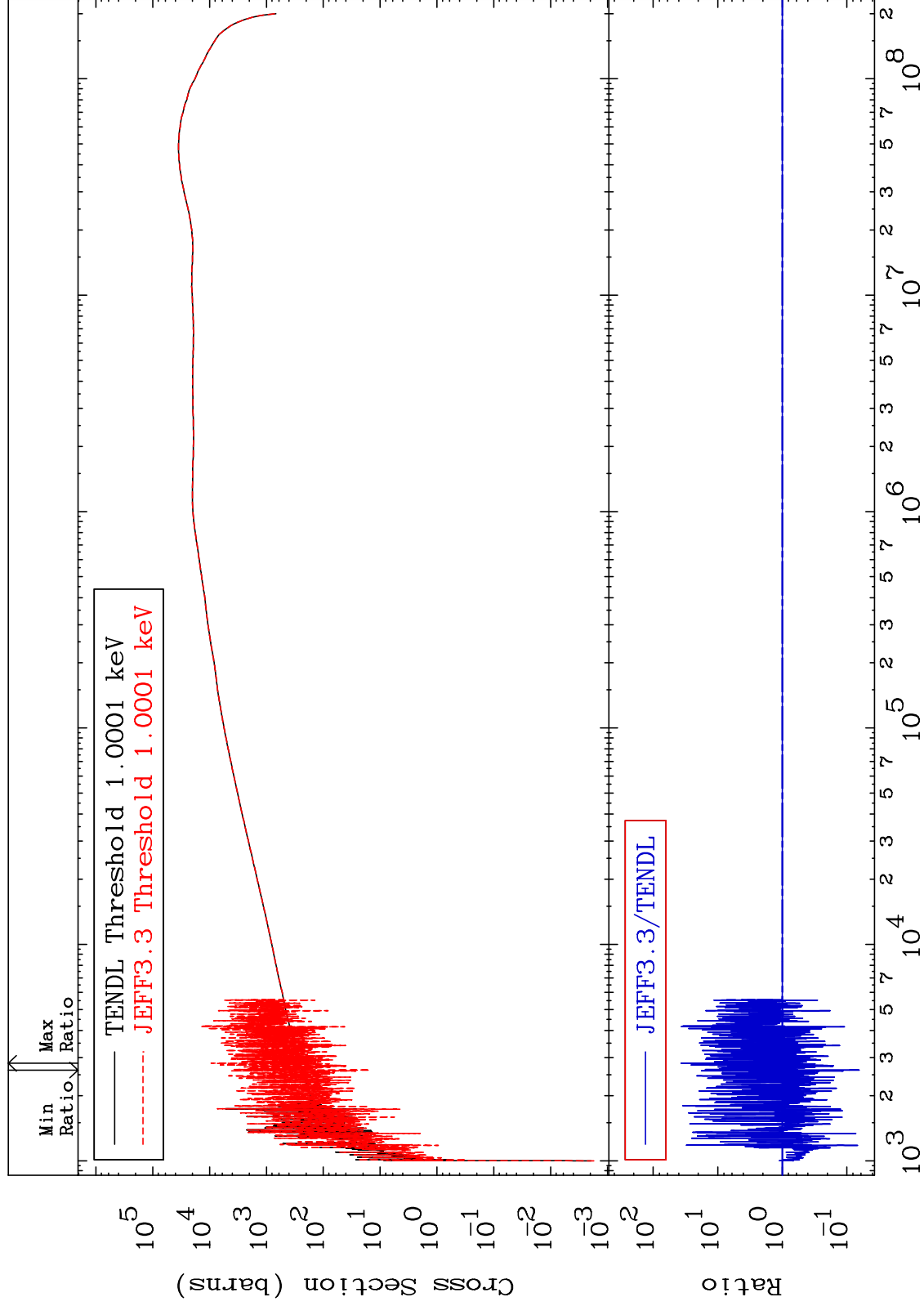
69-Tm-169
-92.49 To 9999. %



MAT 6925

Dpa elastic (mt2)
Cross Section

69-Tm-169
-93.60 To 3601. %



75

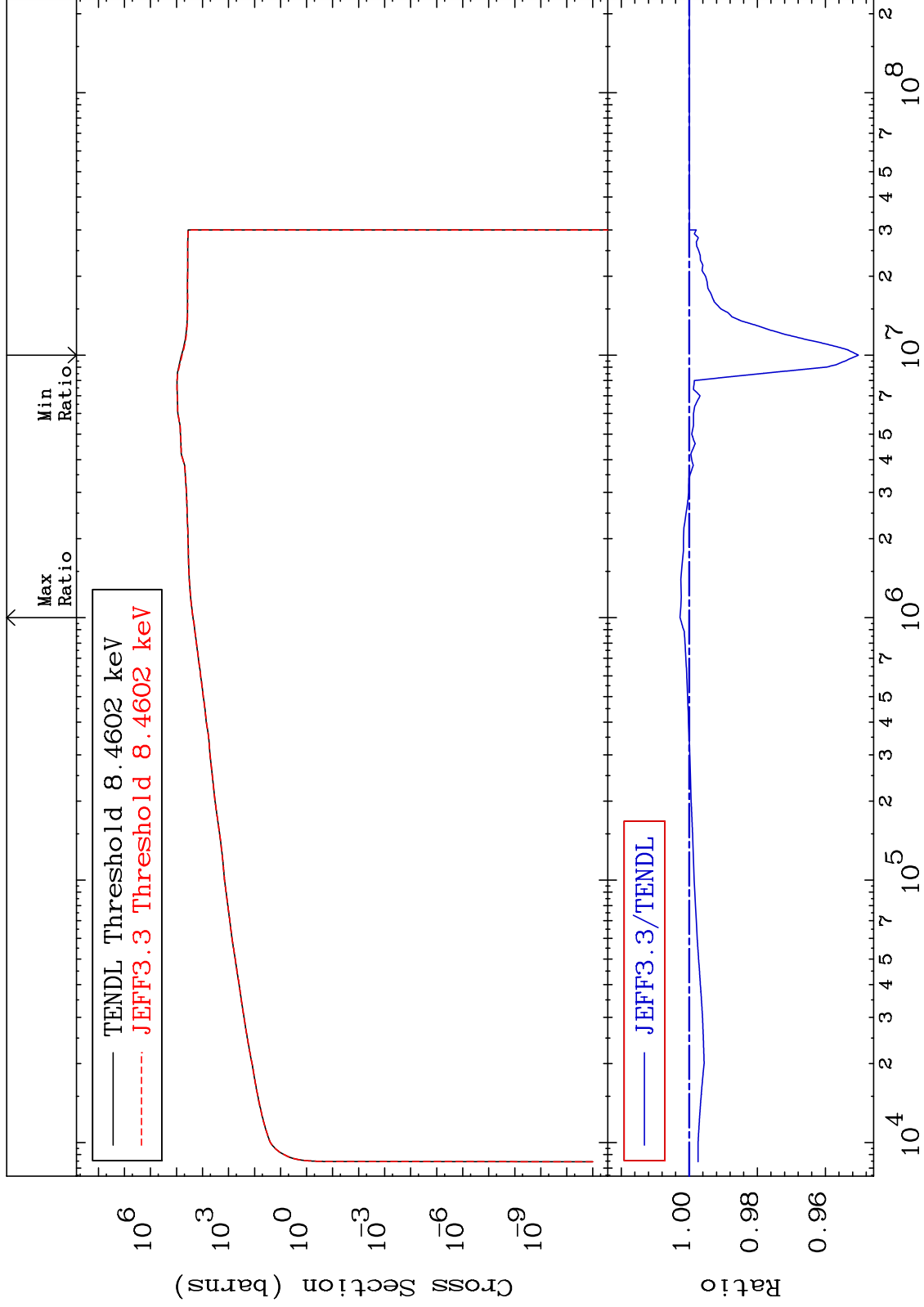
Incident Energy (eV)

69-Tm-169

MAT 6925

Dpa inelastic (mt51-91)
Cross Section

69-Tm-169
-4.970 To 0.272 %



76

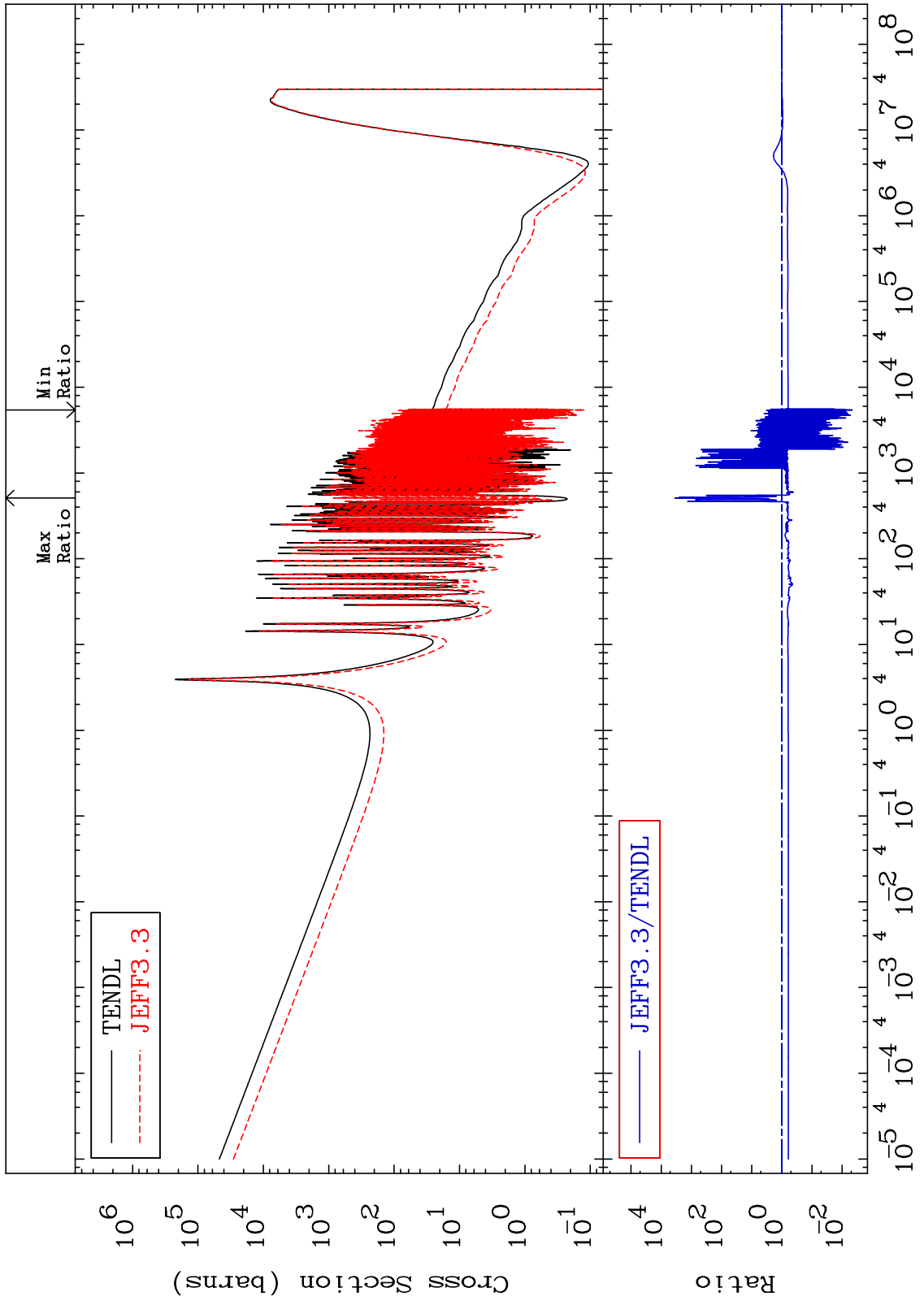
Incident Energy (eV)

69-Tm-169

MAT 6925

Dpa disappearance (mt102 -120)
Cross Section

69-Tm-169
-99.54 To 9999. %



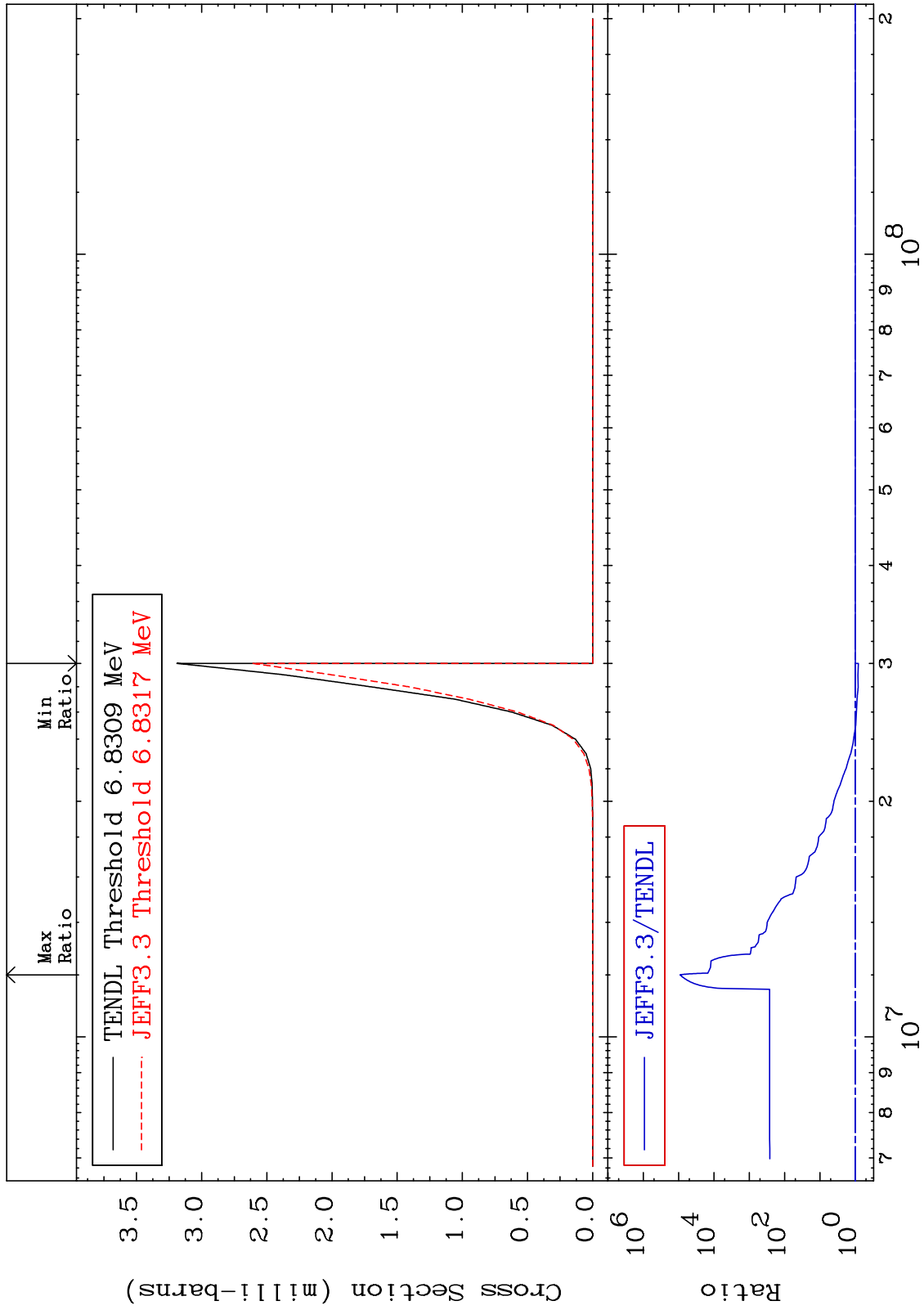
77

Incident Energy (eV)

69-Tm-169

MAT 6925

(n,2n) α :67-Ho-164g 69-Tm-169
Radionuclide Production Cross Section -18.15 To 9999. %



78

Incident Energy (eV)

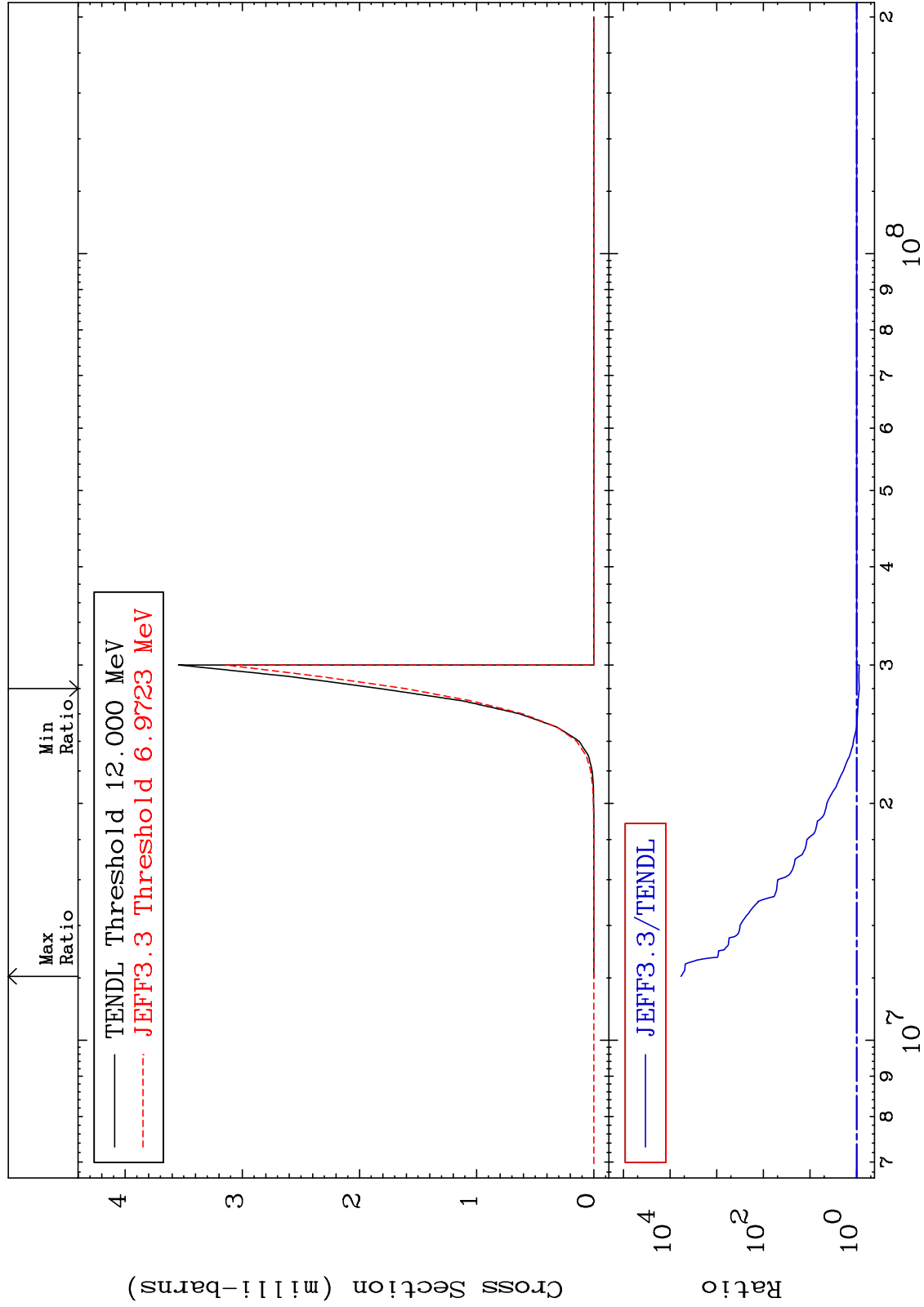
69-Tm-169

MAT 6925

(n,2n) α : 67-Ho-164m3

69-Tm-169

Radionuclide Production Cross Section -11.84 To 9999. %



79

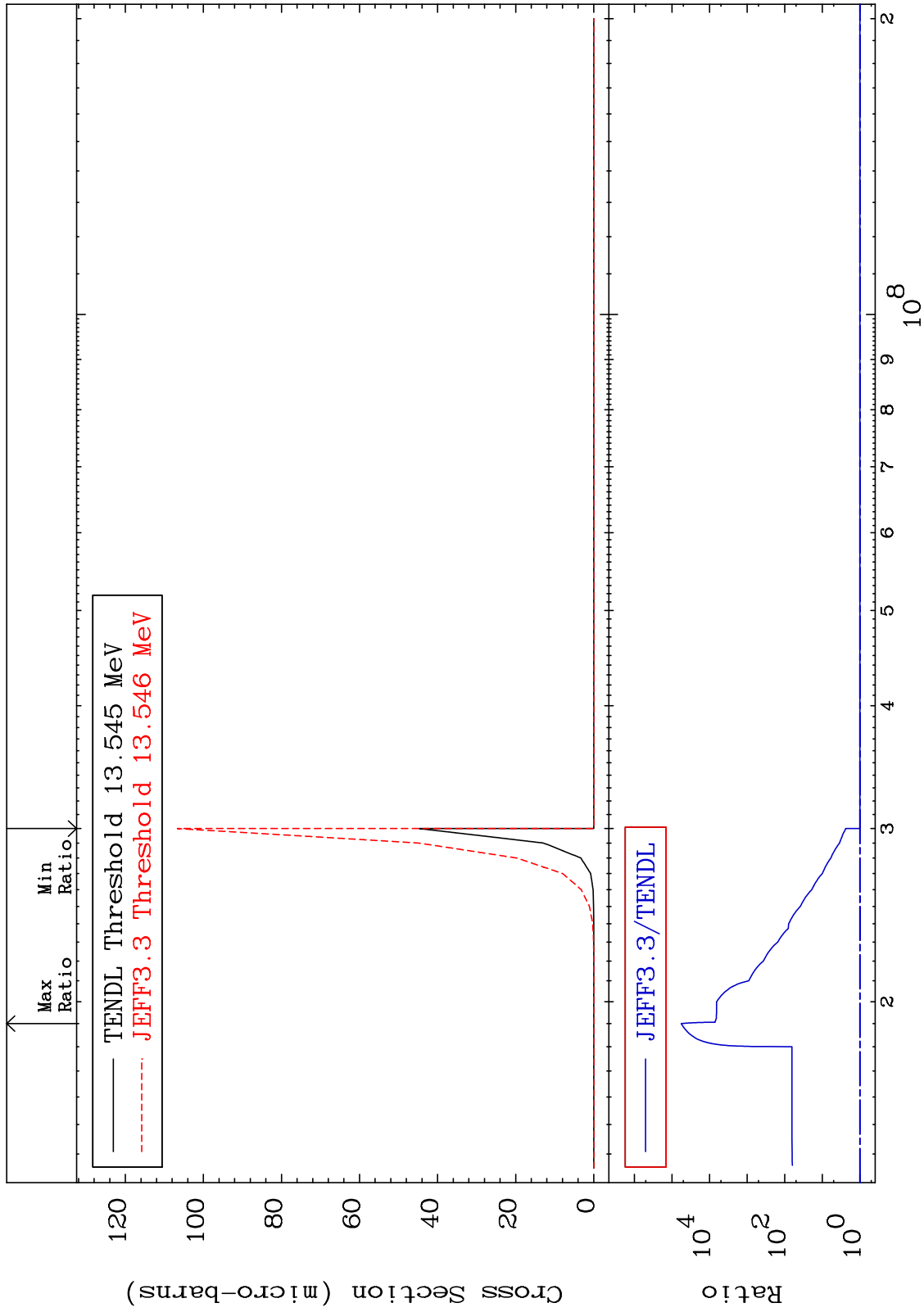
Incident Energy (eV)

69-Tm-169

MAT 6925

(n,3n) α :67-Ho-163g
Radionuclide Production Cross Section 0.000 To 9999. %

69-Tm-169



80

Incident Energy (eV)

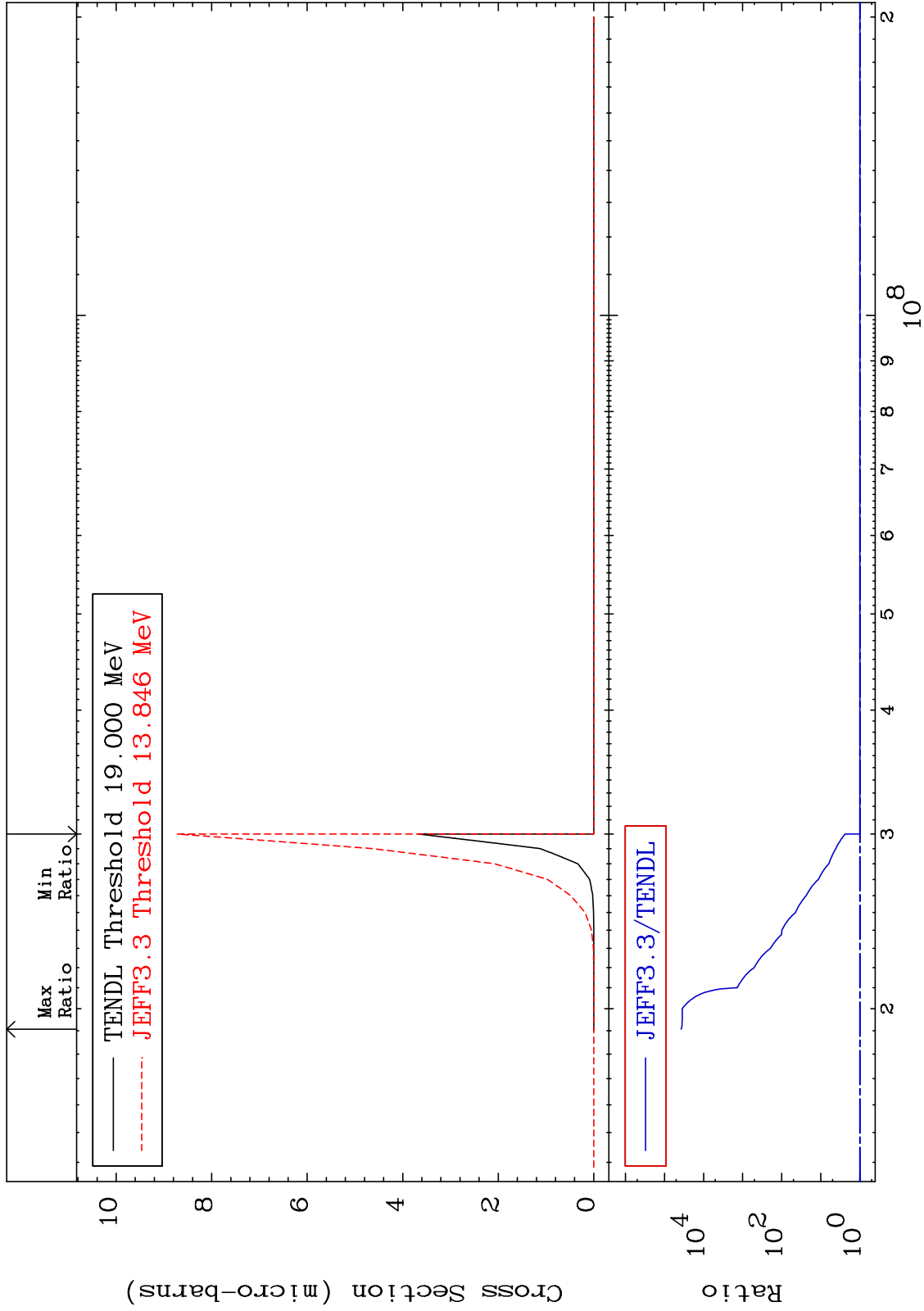
69-Tm-169

MAT 6925

(n,3n) α : 67-Ho-163m3

69-Tm-169

Radionuclide Production Cross Section 0.000 To 9999. %

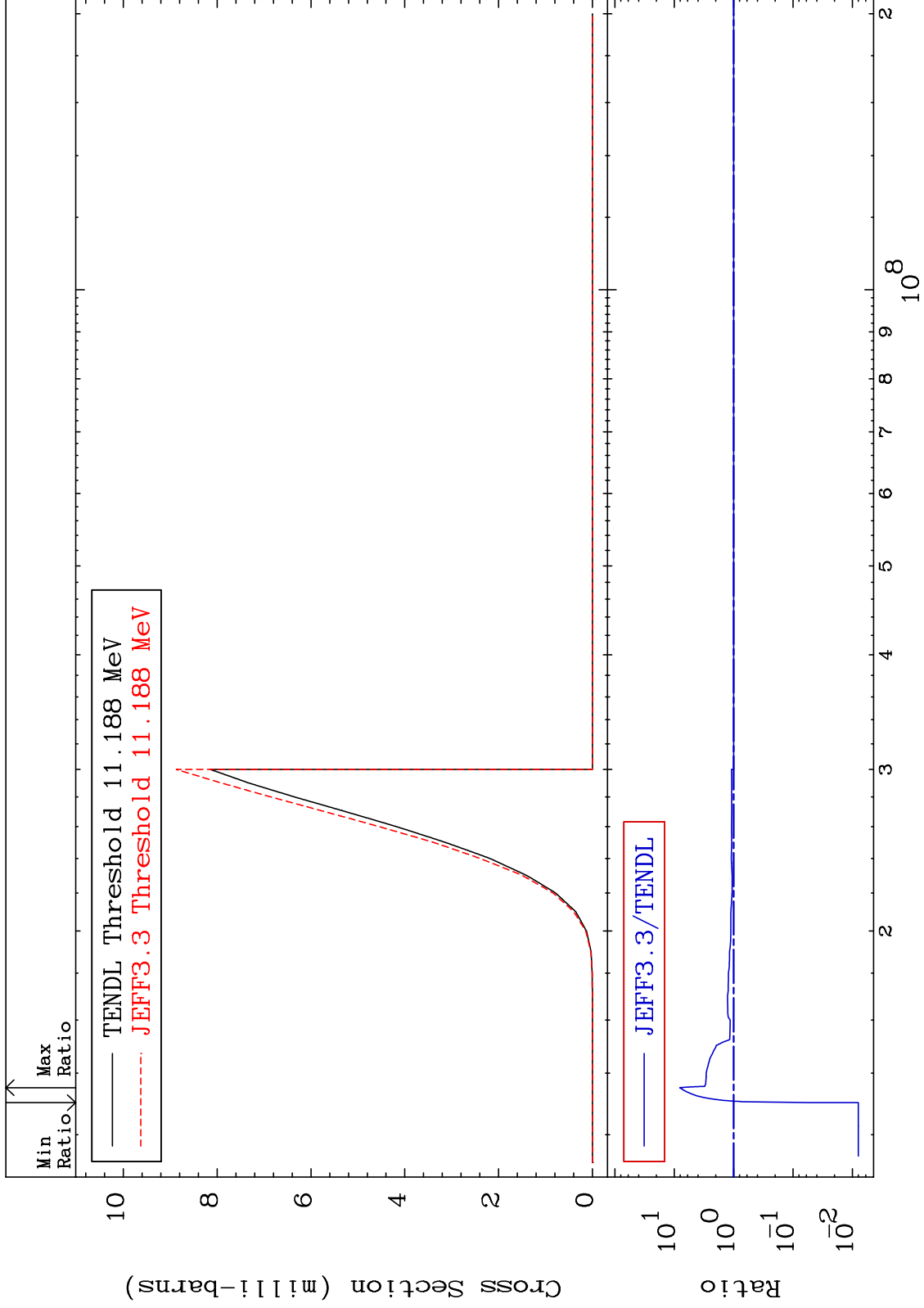


MAT 6925

(n, n') d:68-Er-167g

69-Tm-169

Radionuclide Production Cross Section -99.20 To 709.1 %

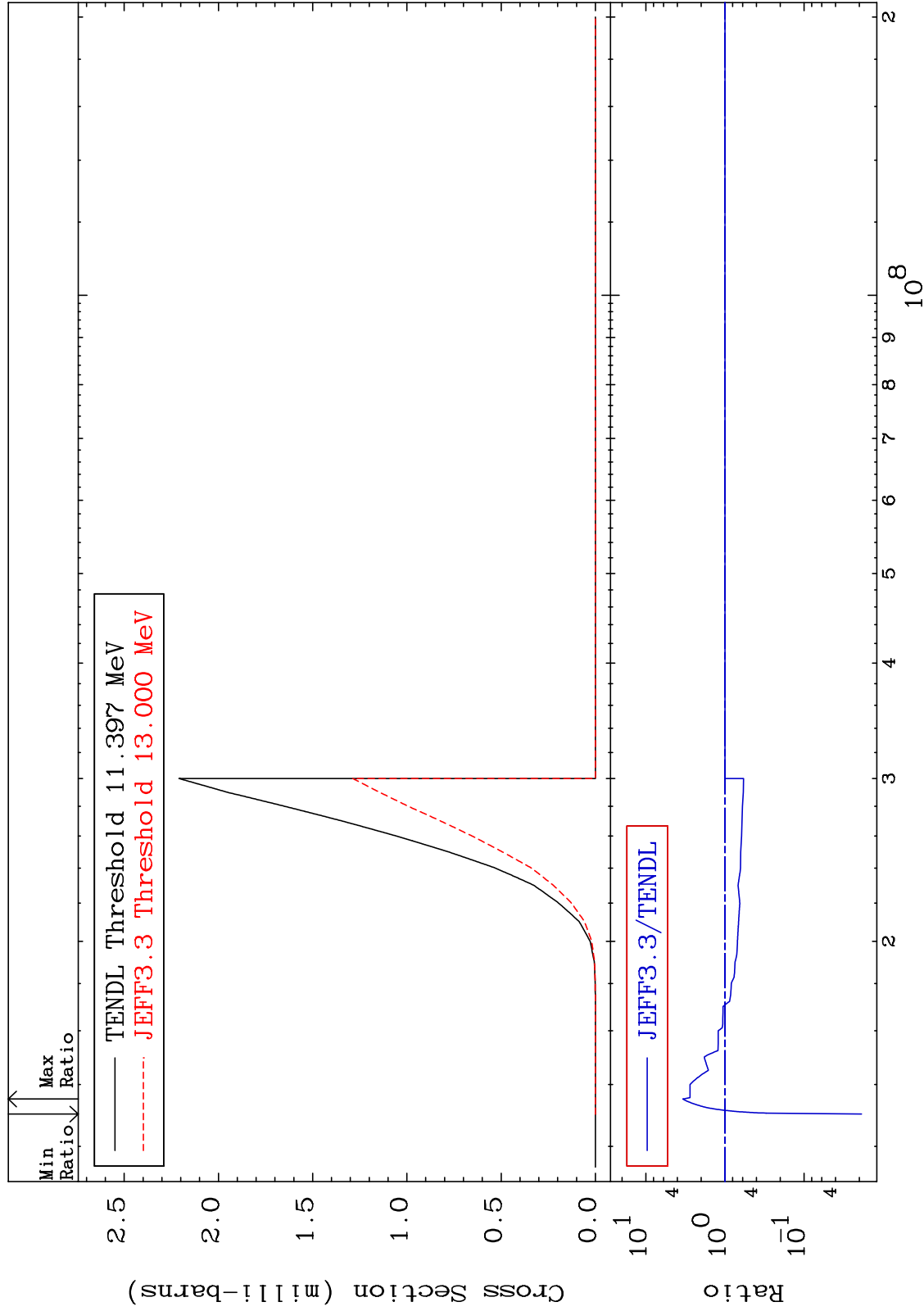


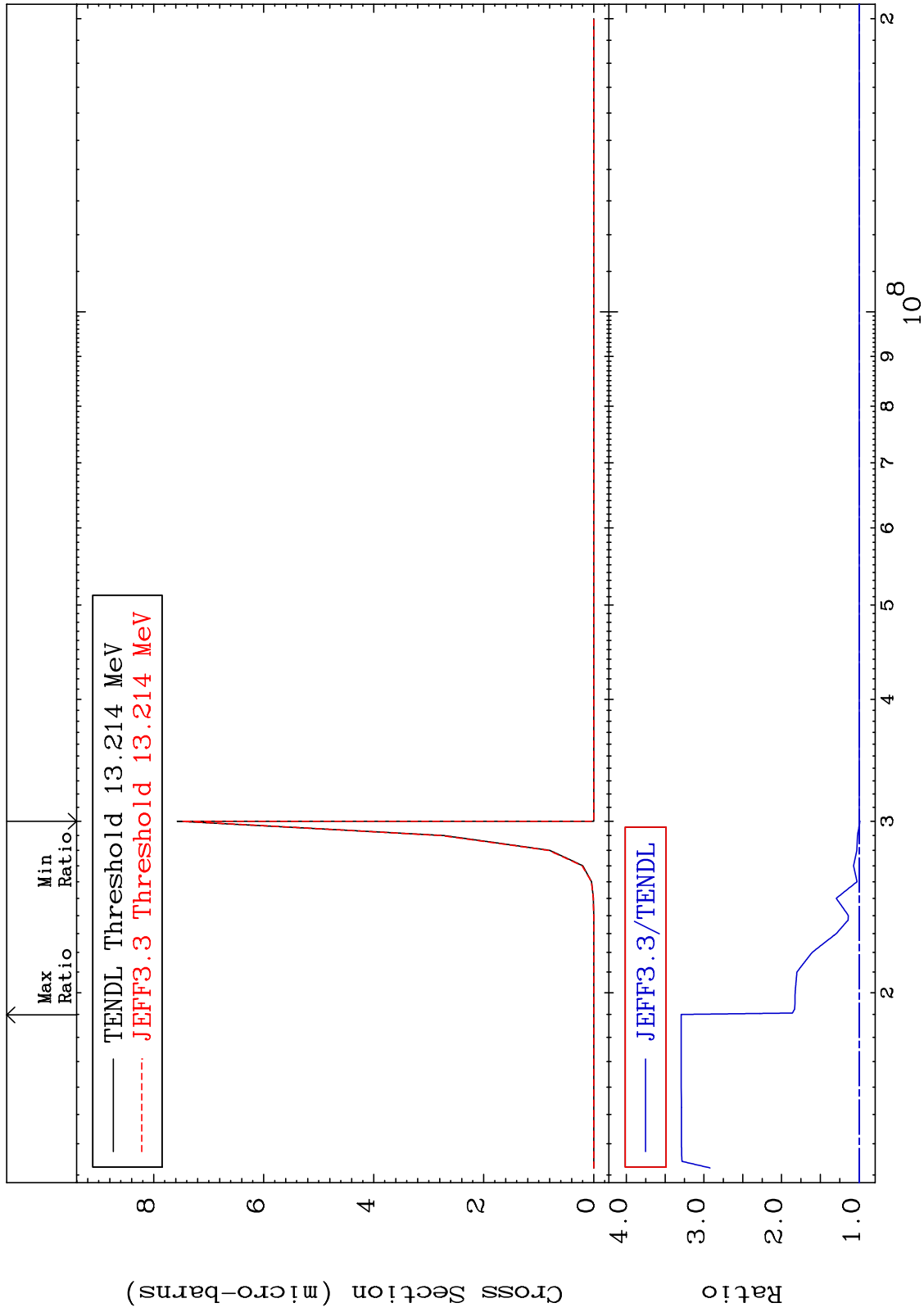
MAT 6925

(n, n') d: 68-Er-167m3

69-Tm-169

Radionuclide Production Cross Section -98.12 To 241.3 %



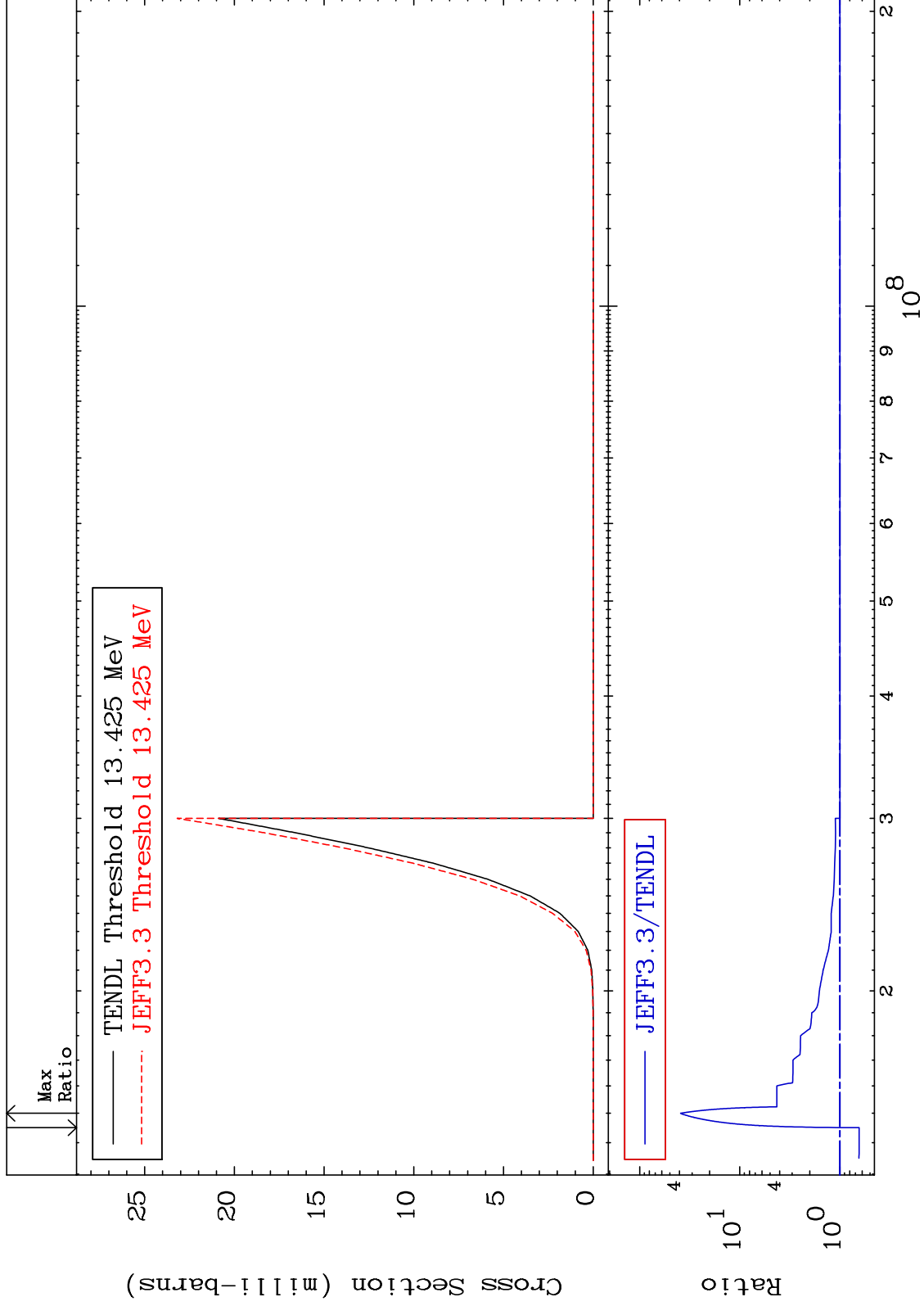


MAT 6925

(n,2n) p:68-Er-167g

69-Tm-169

Radionuclide Production Cross Section -35.72 To 3800. %

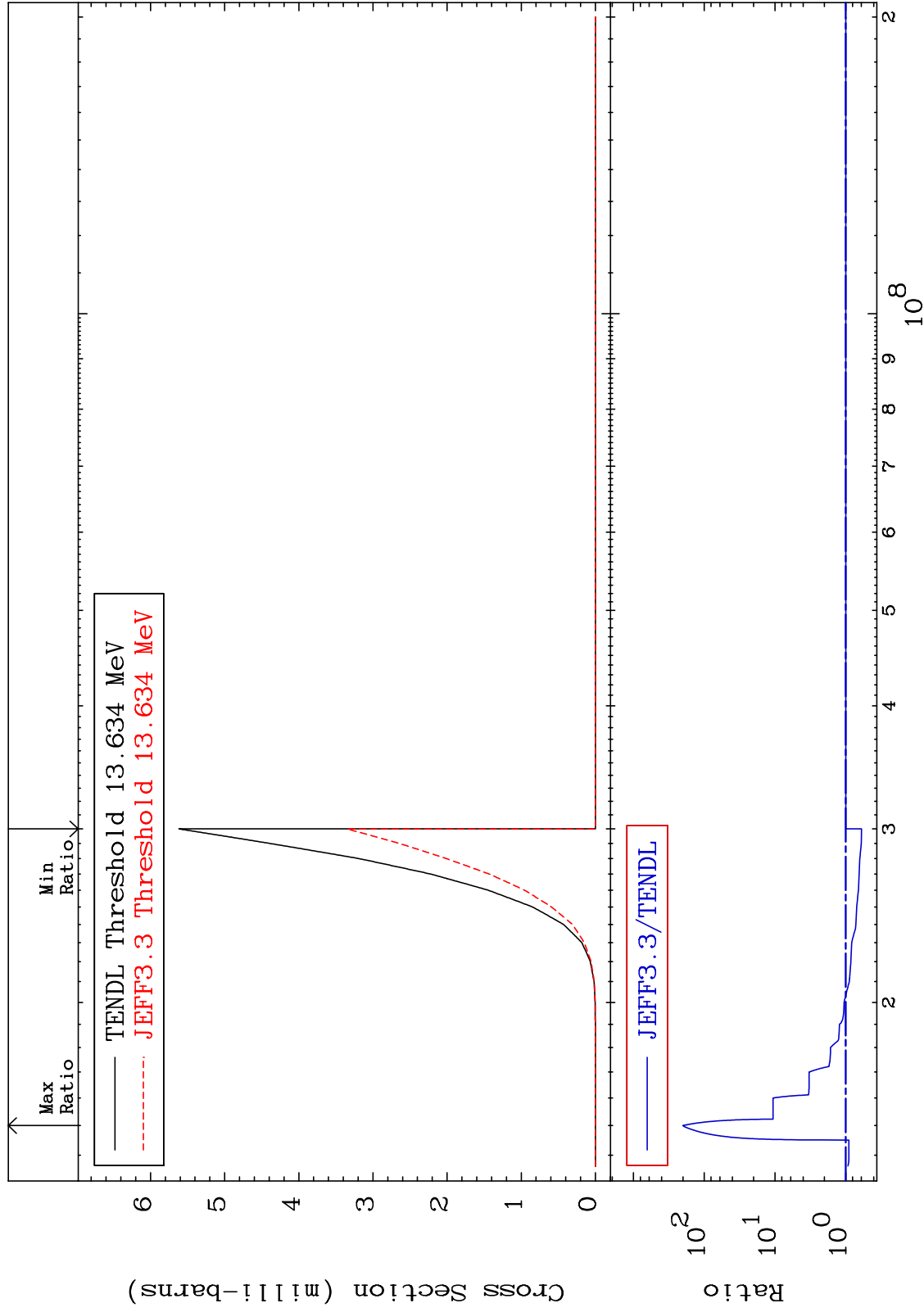


MAT 6925

(n,2n) p:68-Er-167m3

69-Tm-169

Radionuclide Production Cross Section -40.38 To 9999. %

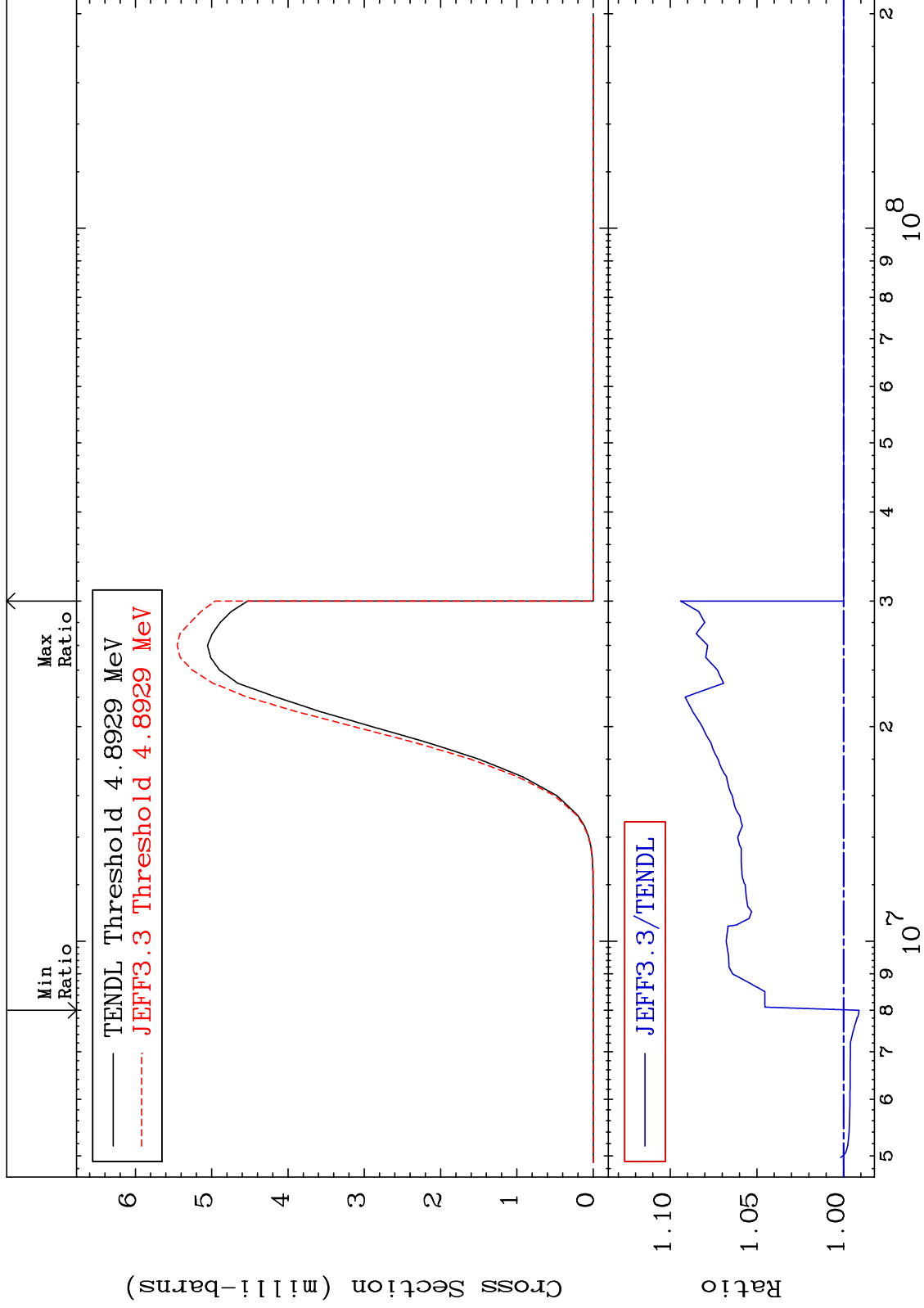


MAT 6925

(n, t): 68-Er-167g

69-Tm-169

Radionuclide Production Cross Section -0.902 To 9.400 %



88

Incident Energy (eV)

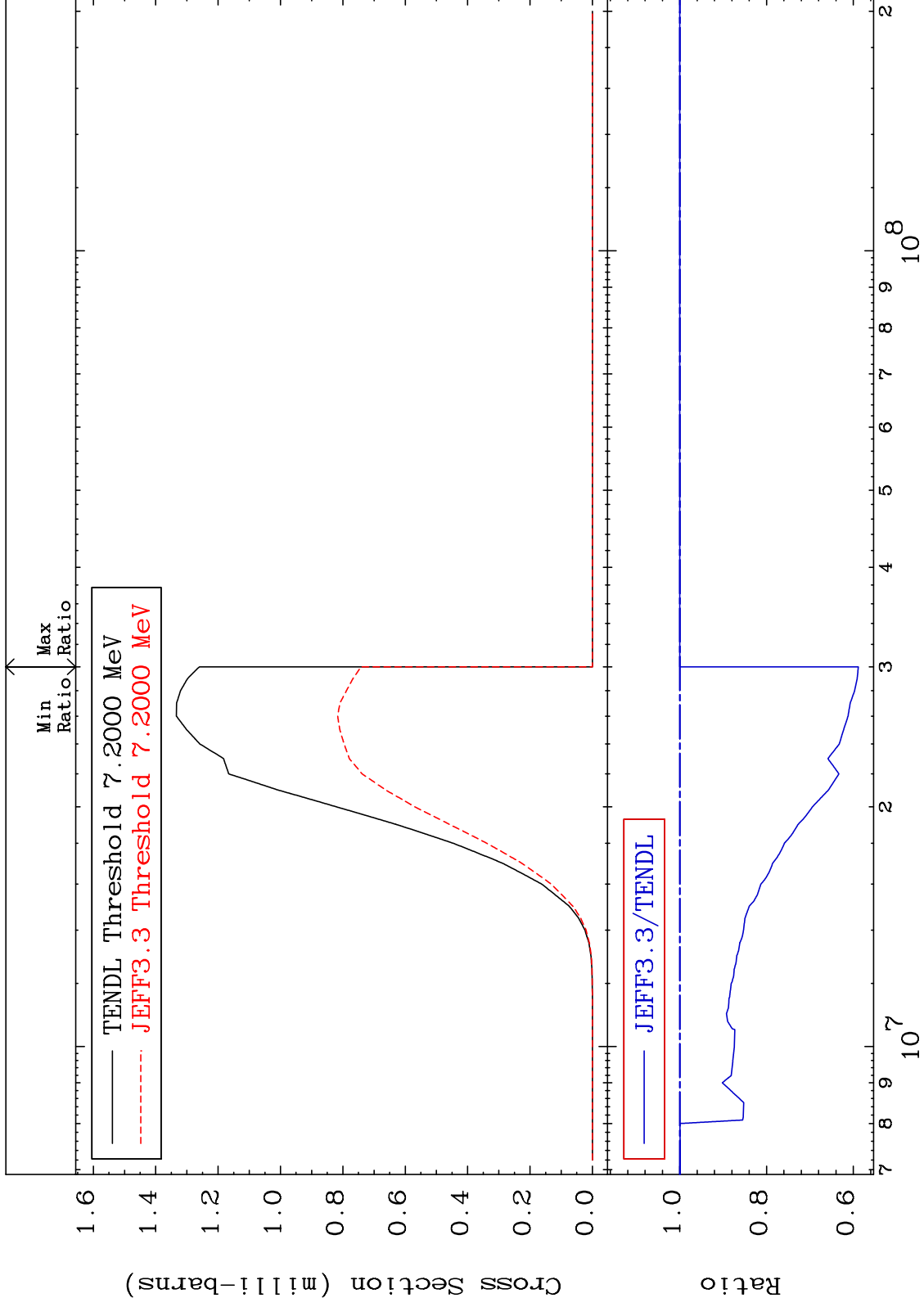
69-Tm-169

MAT 6925

(n, t) : 68-Er-167m3

69-Tm-169

Radionuclide Production Cross Section -41.14 To 0.000 %



89

Incident Energy (eV)

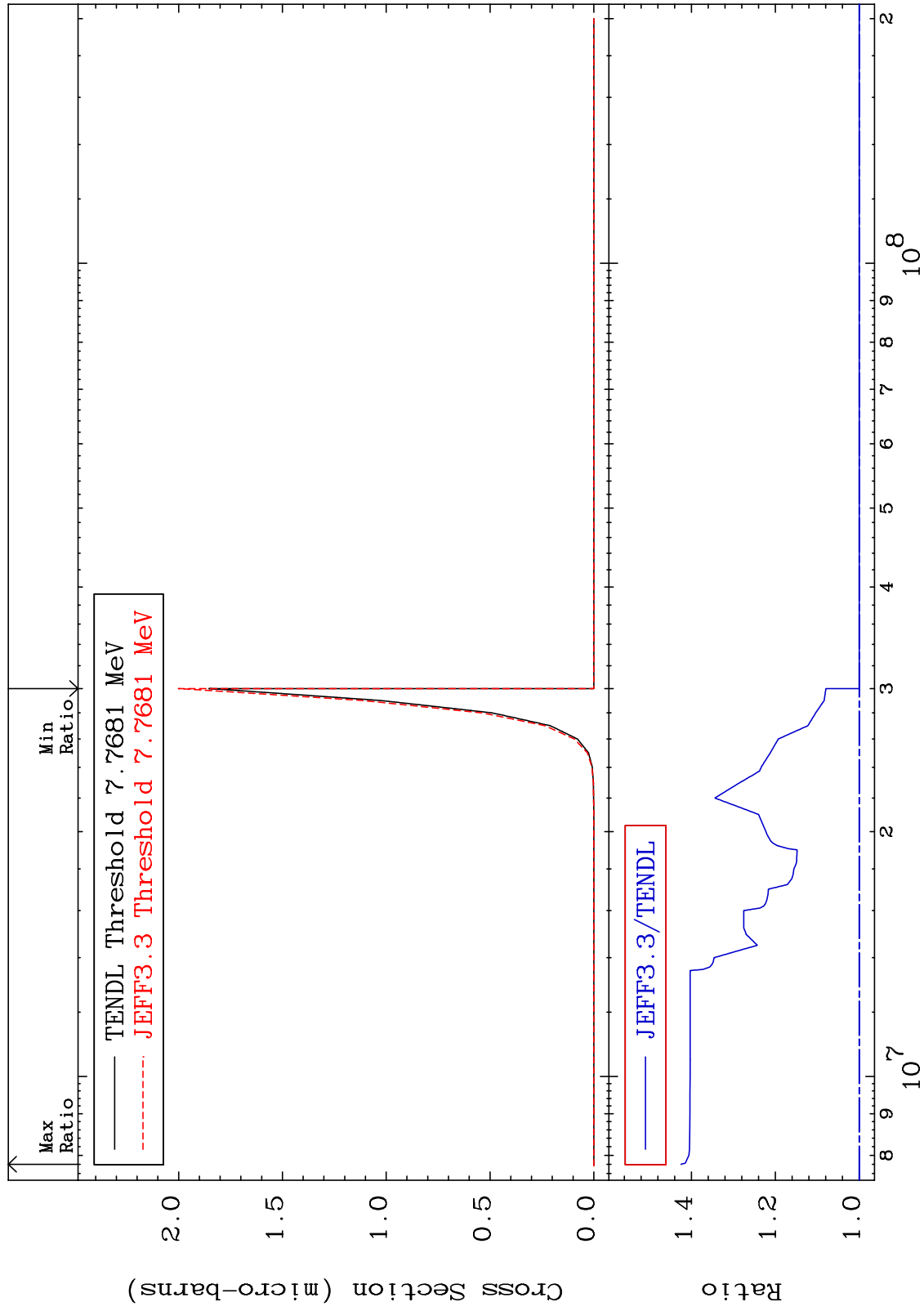
69-Tm-169

MAT 6925

(n,2p):67-Ho-168g

69-Tm-169

Radionuclide Production Cross Section 0.000 To 42.47 %



90

Incident Energy (eV)

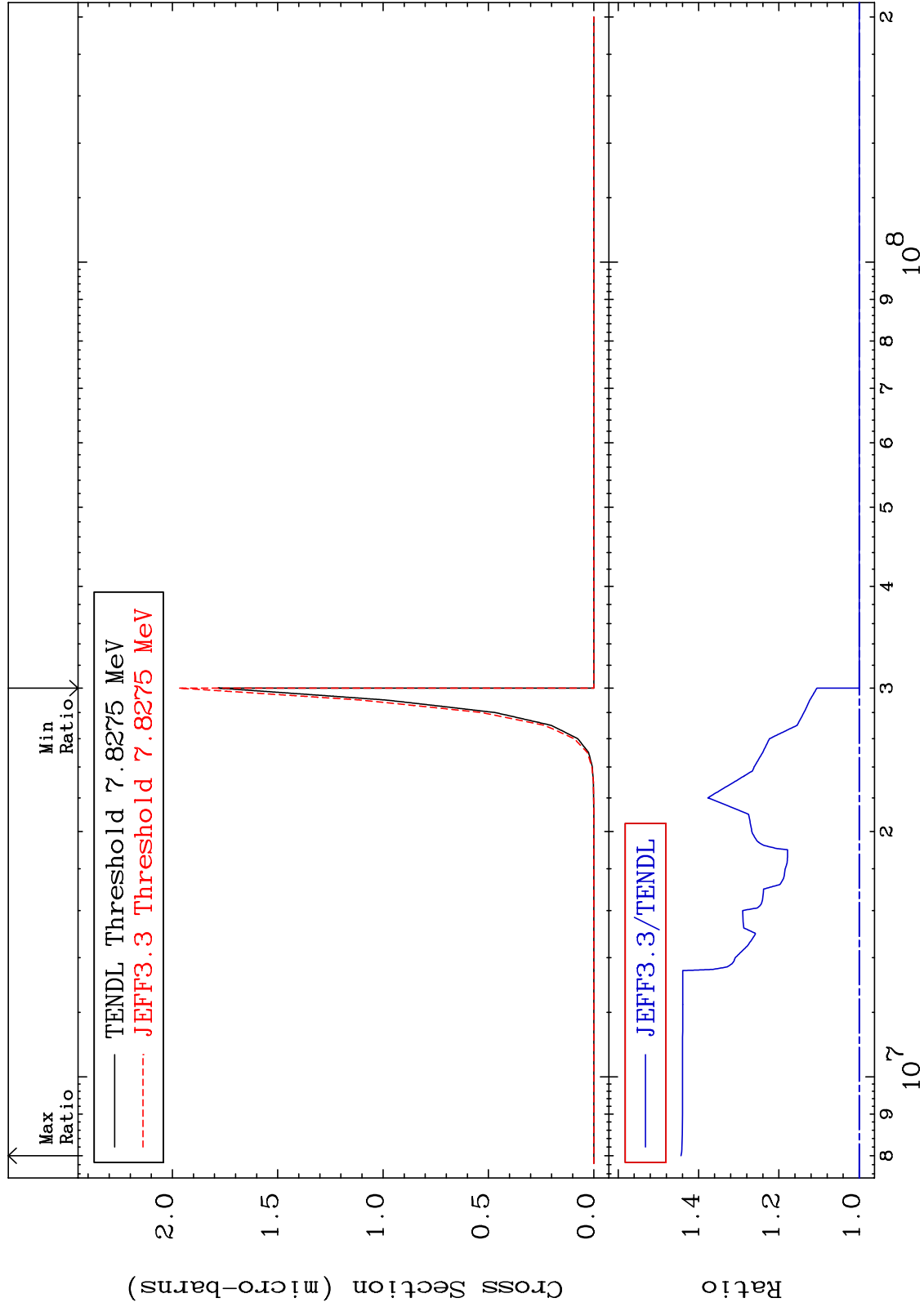
69-Tm-169

MAT 6925

(n,2p):67-Ho-168m1

69-Tm-169

Radionuclide Production Cross Section 0.000 To 44.35 %

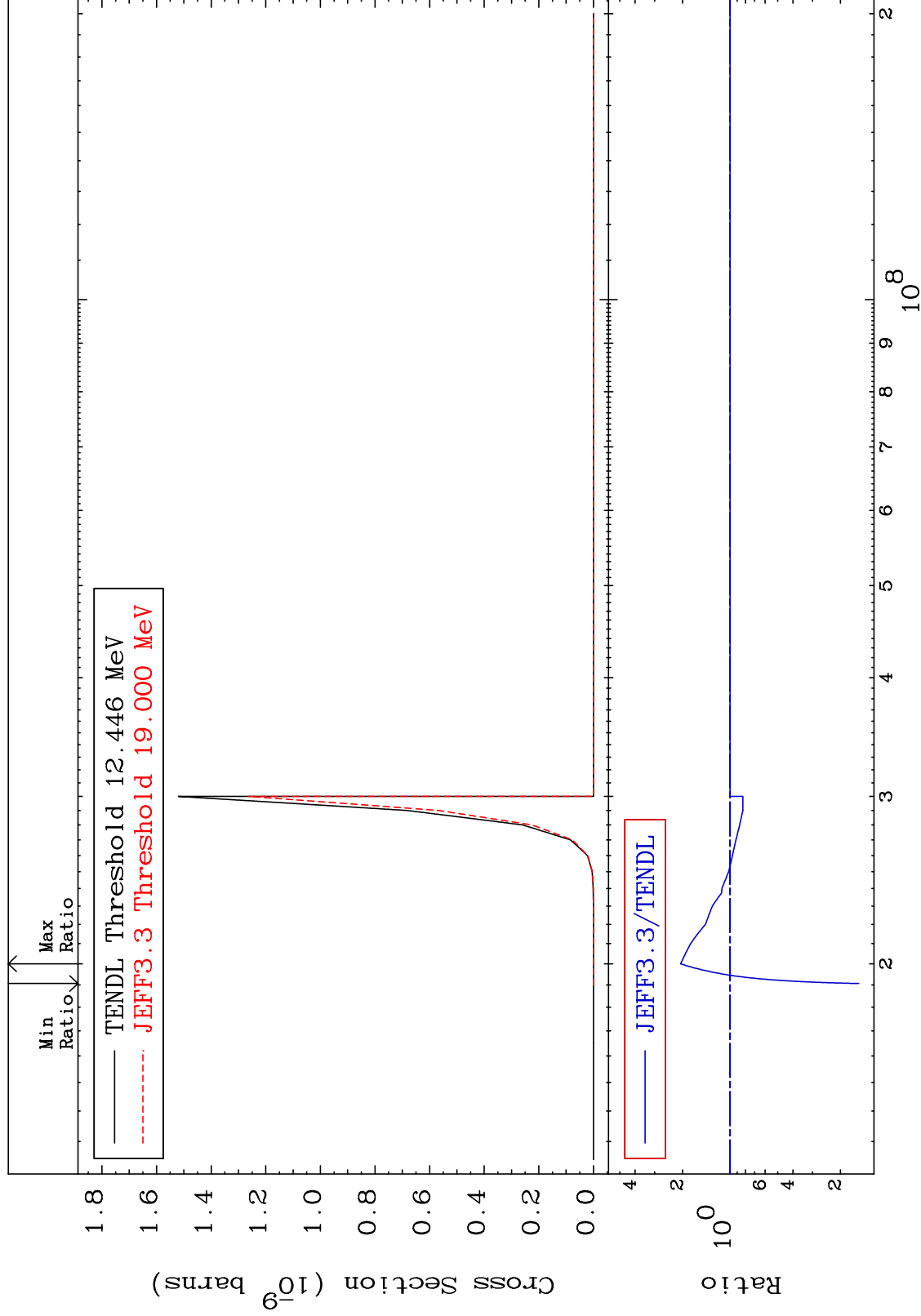


MAT 6925

(n, p) t: 67-Ho-166g

69-Tm-169

Radionuclide Production Cross Section -84.70 To 105.7 %



MAT 6925

(n, p) t:67-Ho-166m1

69-Tm-169

Radionuclide Production Cross Section

-98.95 To 113.1 %

