

Program Complot
(Version 2018-1)

by

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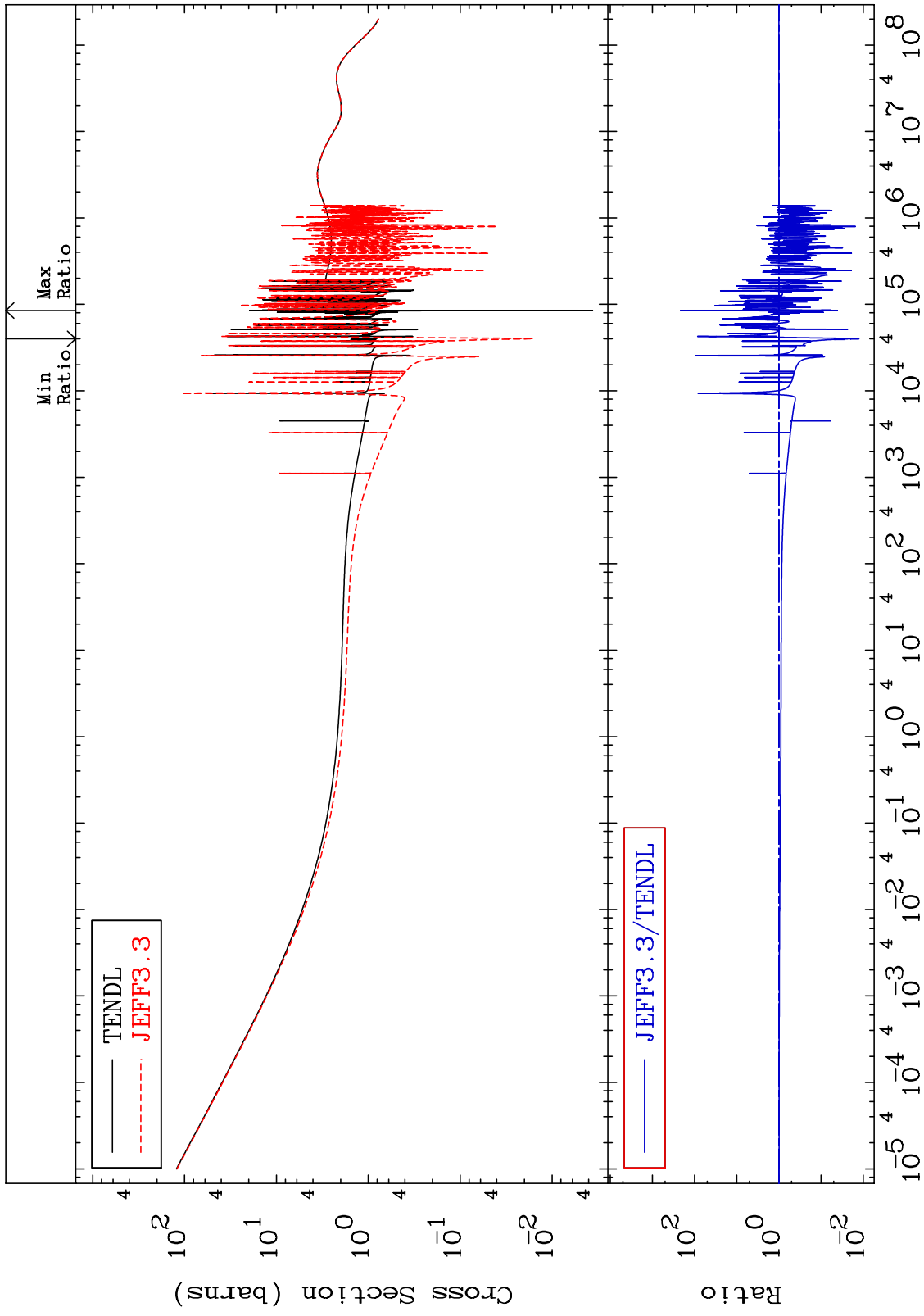
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1925

Total
Cross Section

19-K -39
-98.73 To 9999. %



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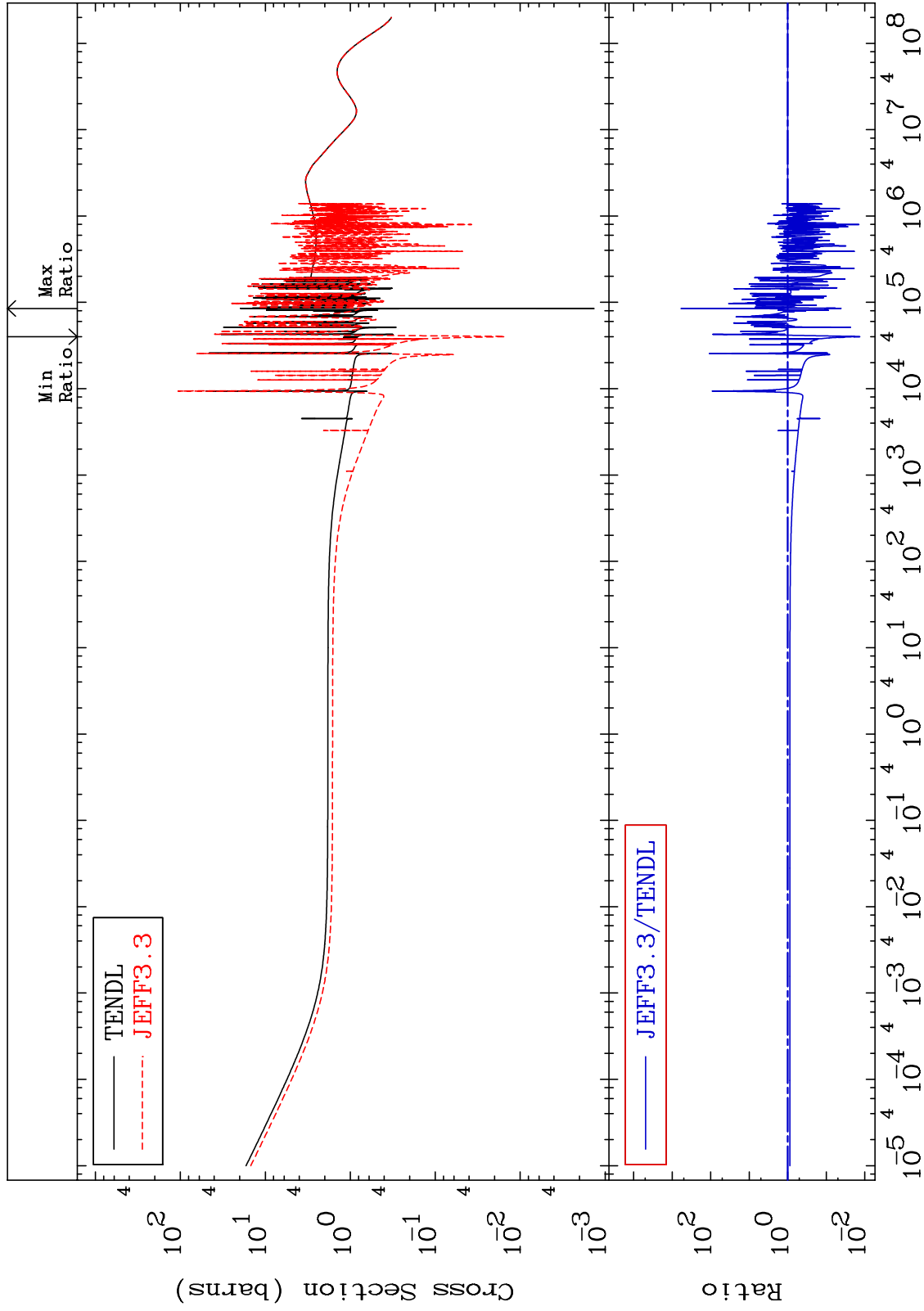
Incident Energy (eV)

19-K -39

MAT 1925

Elastic
Cross Section

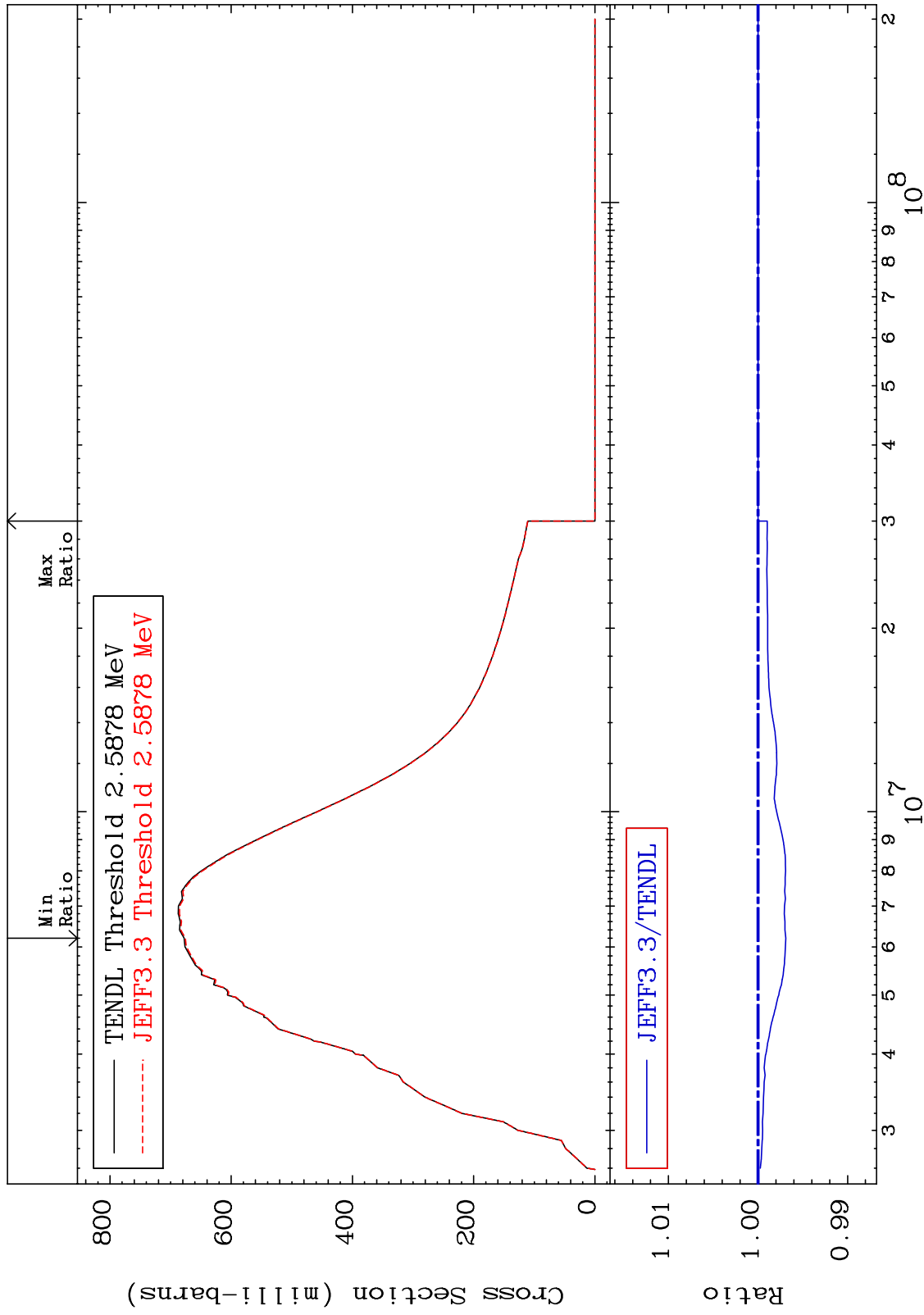
19-K -39
-98.65 To 9999. %



MAT 1925

Inelastic
Cross Section

19-K -39
-0.309 To 0.000 %

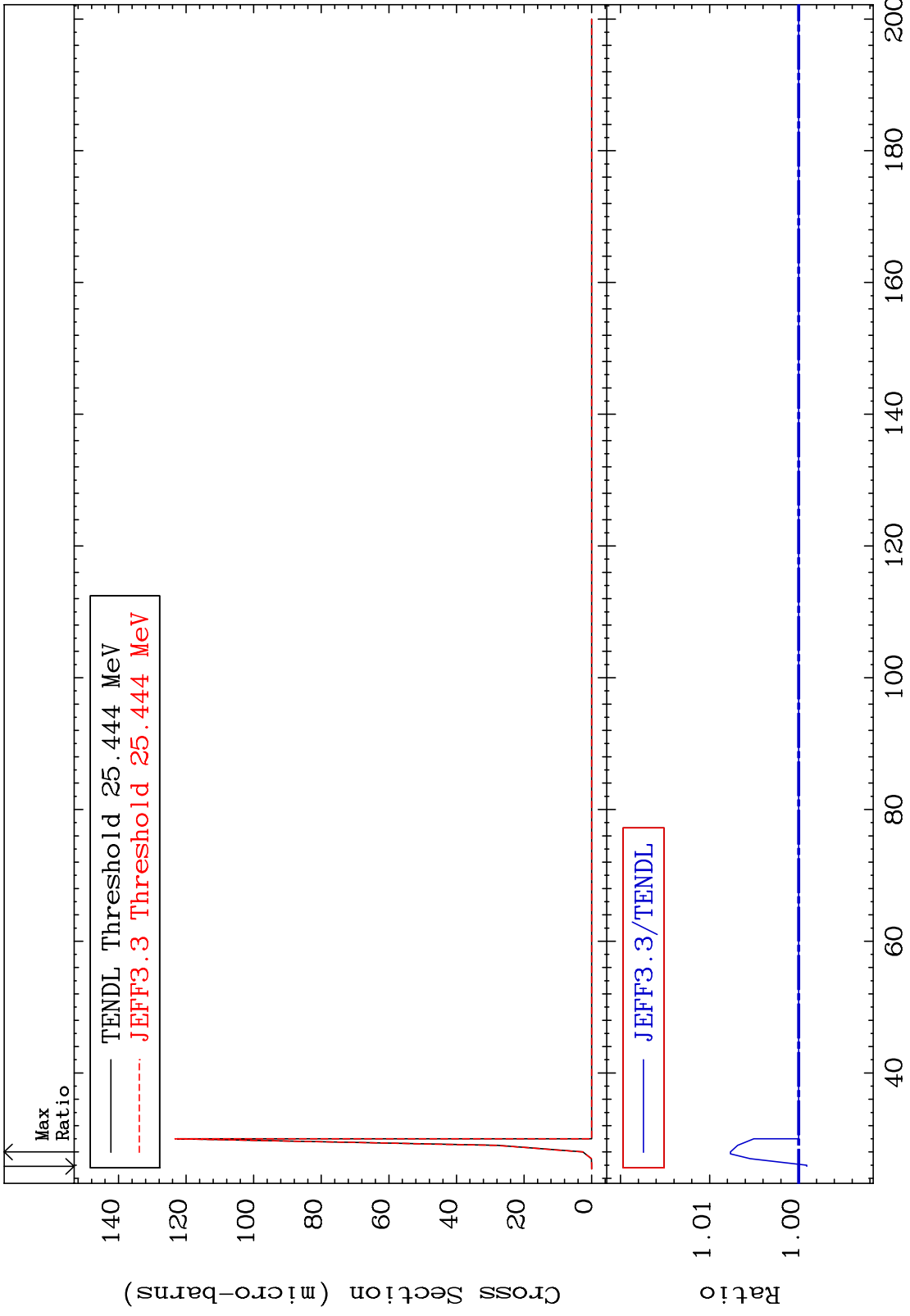


3

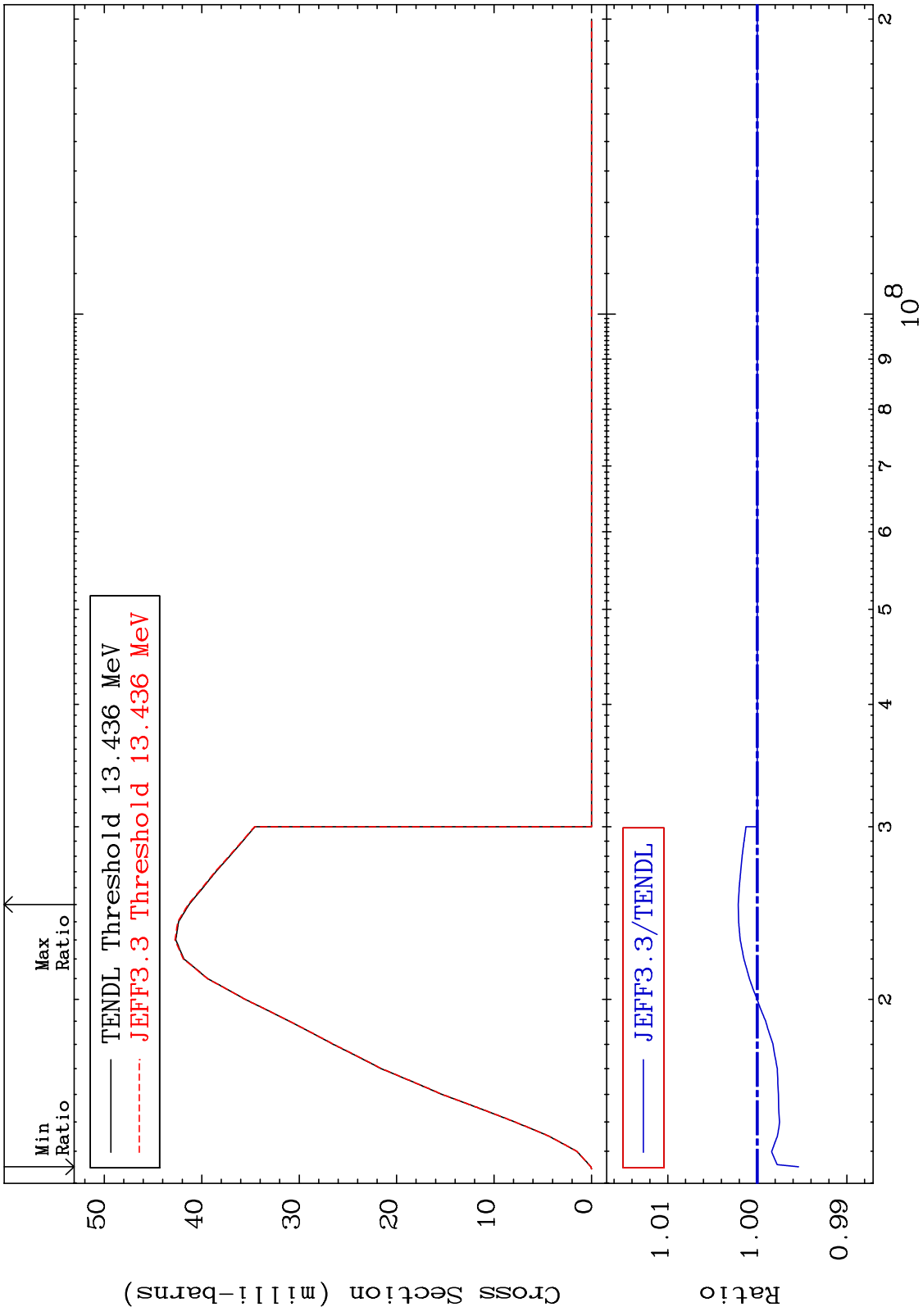
Incident Energy (eV)

19-K -39

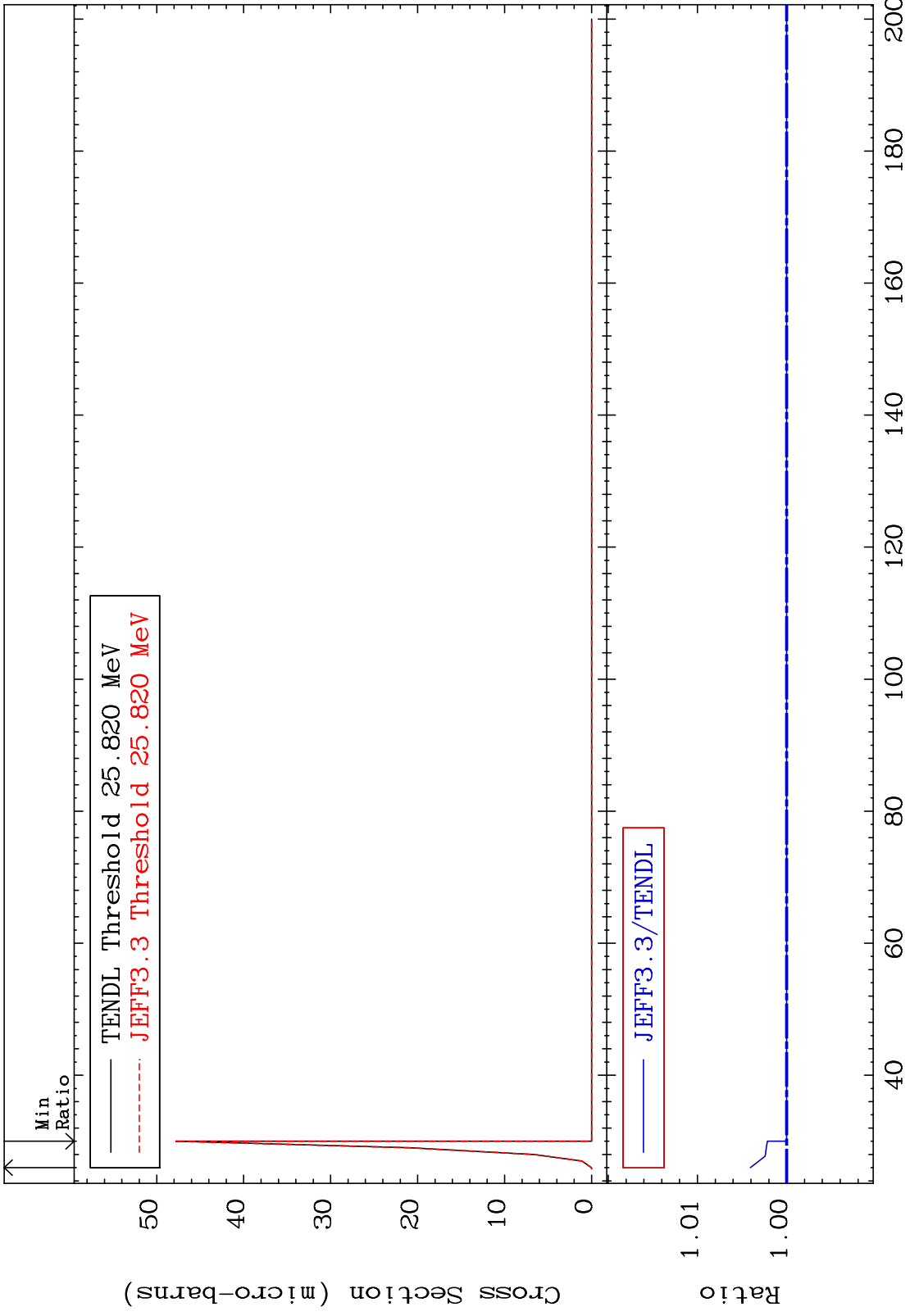
MAT 1925 (n,2n) d 19-K -39
 Cross Section -0.089 To 0.767 %



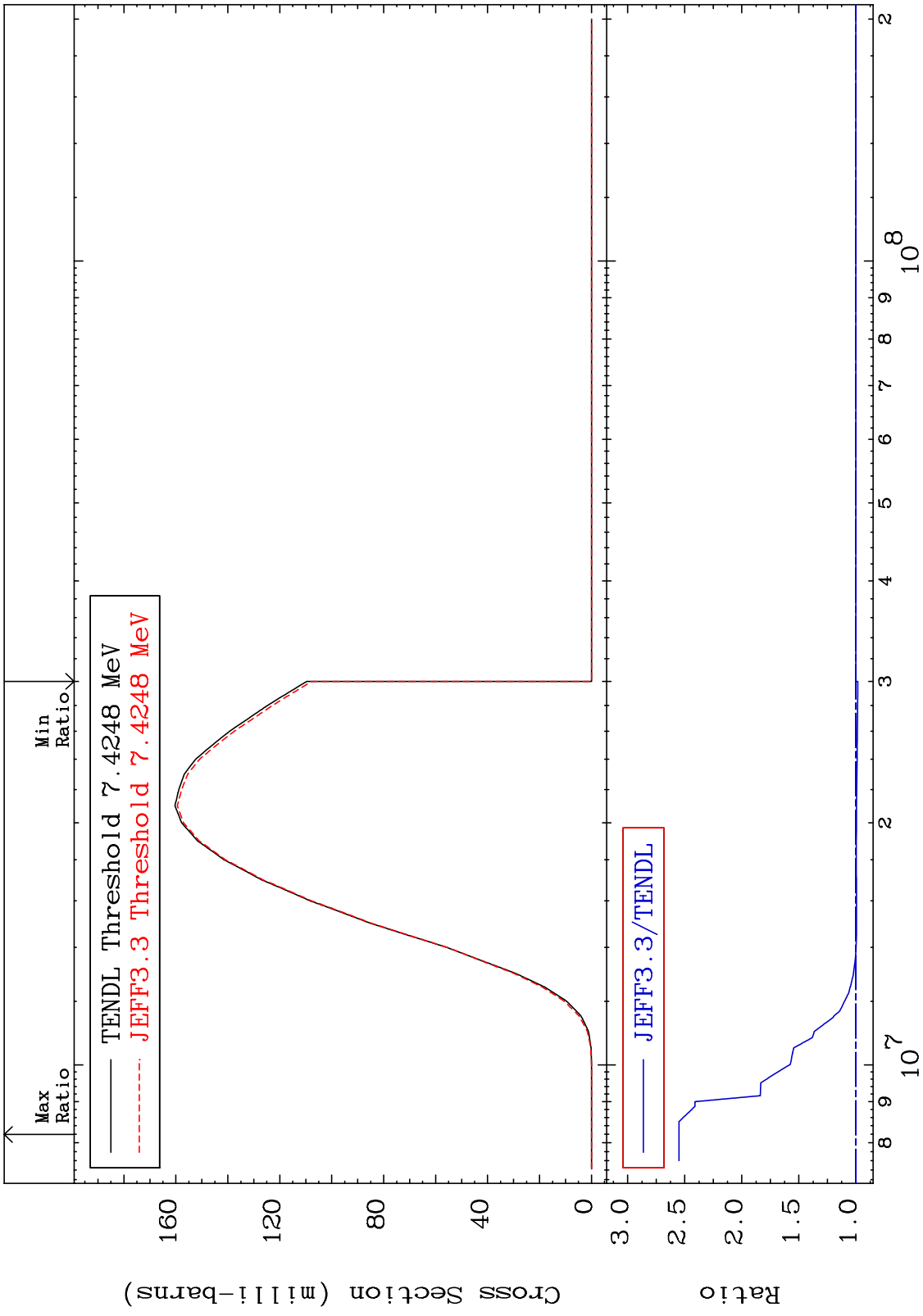
MAT 1925 (n,2n) Cross Section 19-K -39 -0.462 To 0.212 %



MAT 1925 (n,3n) Cross Section 19-K -39 To 0.406 %

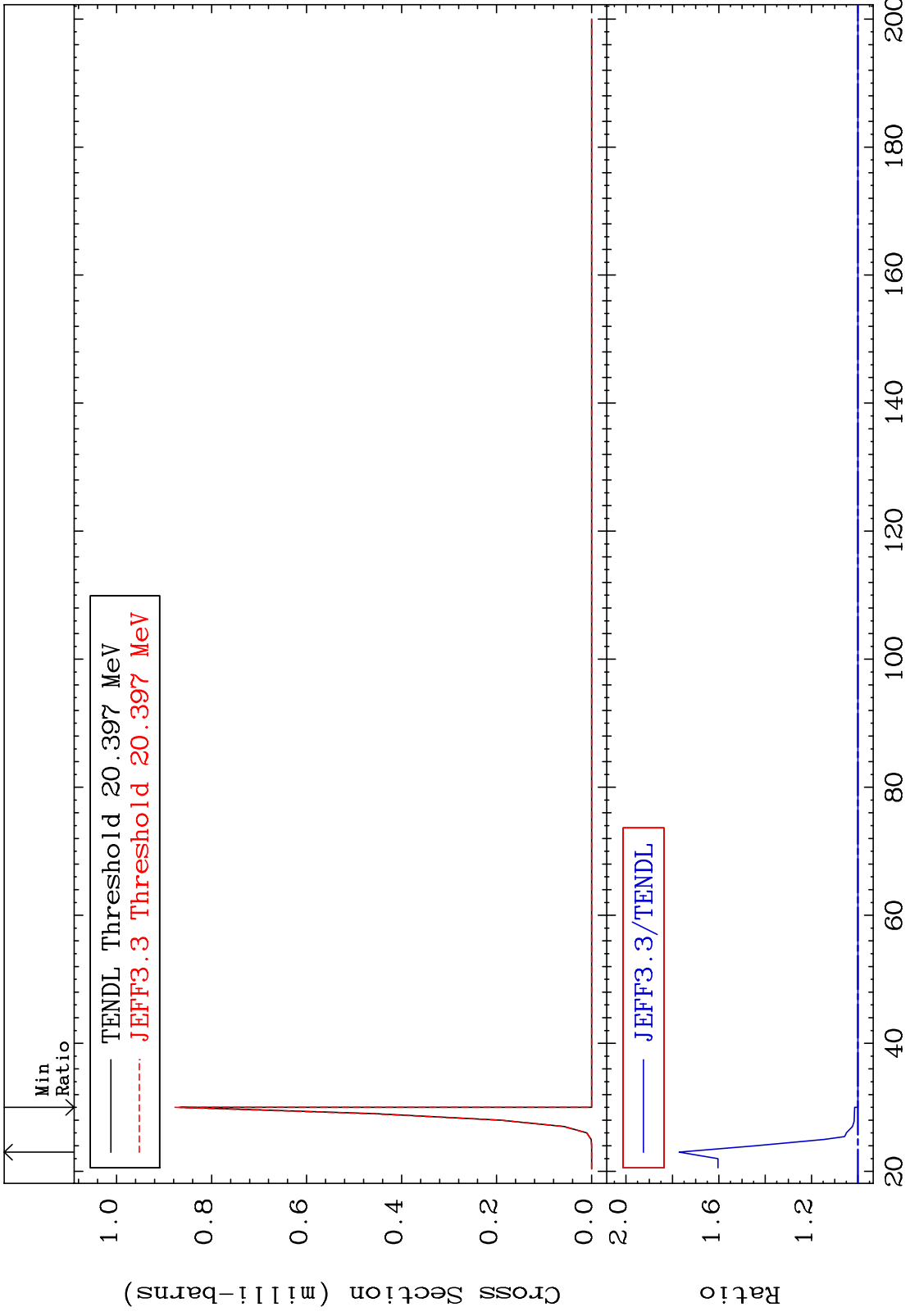


MAT 1925 (n,n') α 19-K -39
Cross Section -1.699 To 155.0 %



7 19-K -39

MAT 1925 (n,2n) α 19-K -39
Cross Section 0.000 To 77.10 %



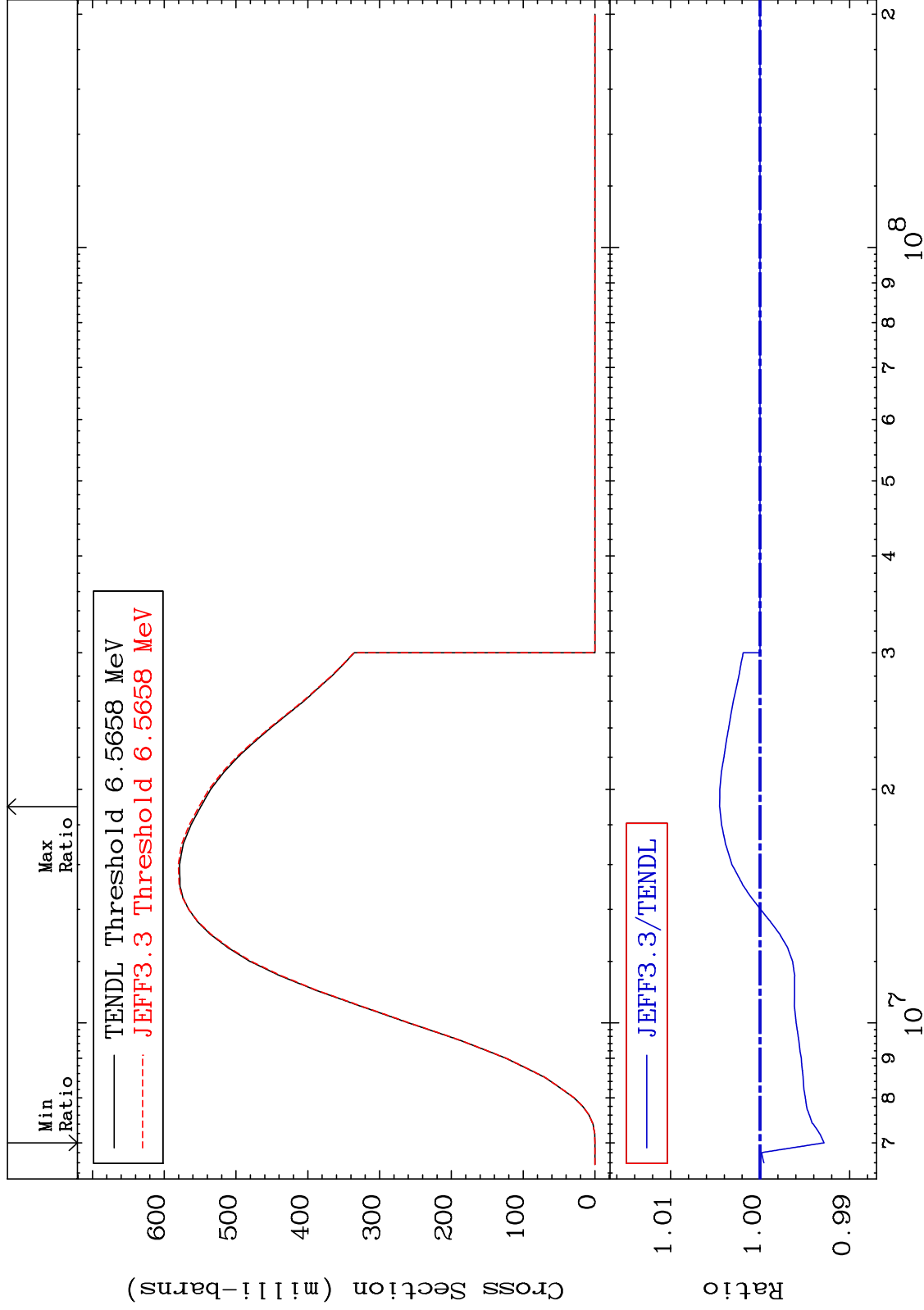
MAT 1925

(n,n') p

19-K -39

Cross Section

-0.715 To 0.452 %

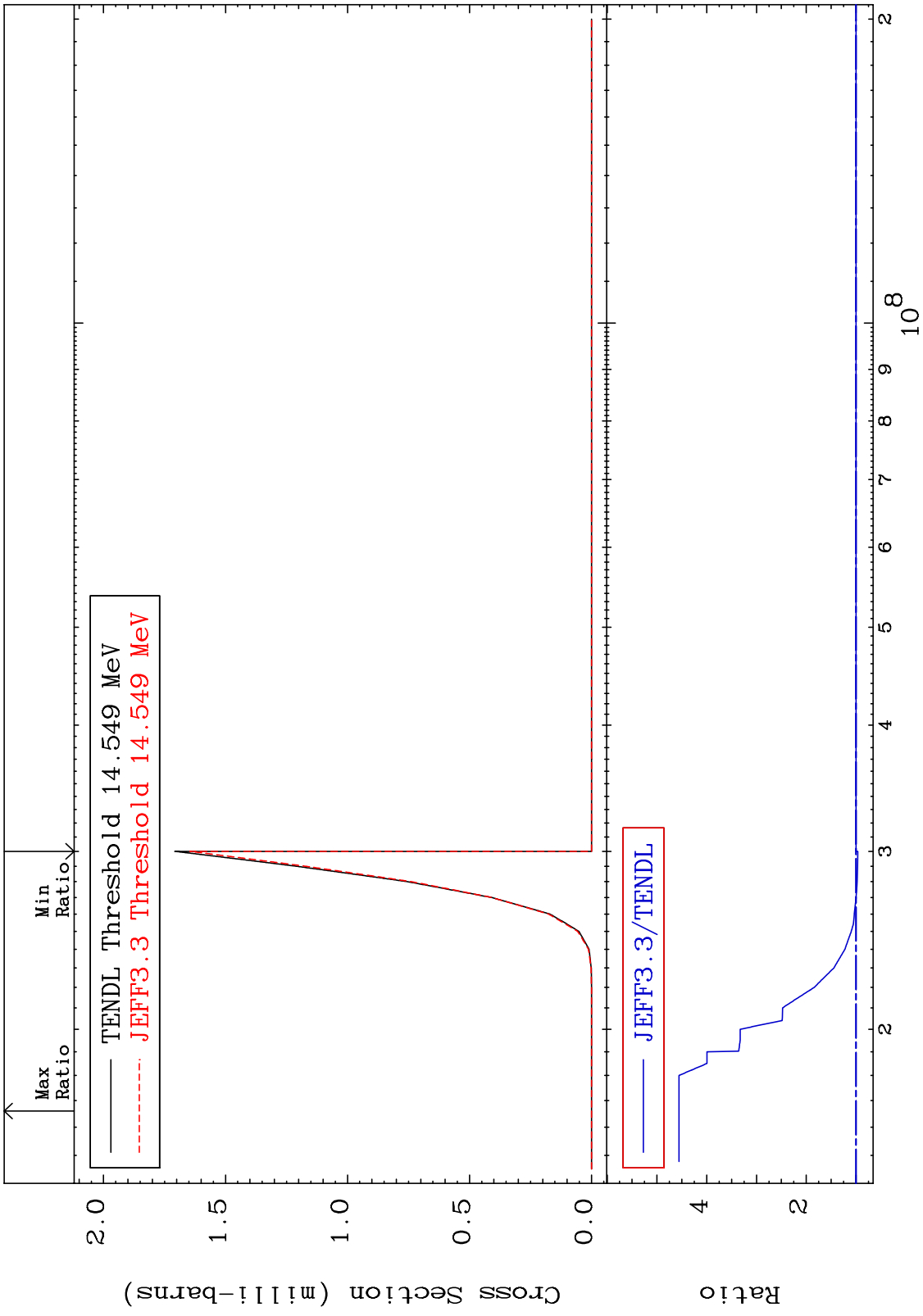


9

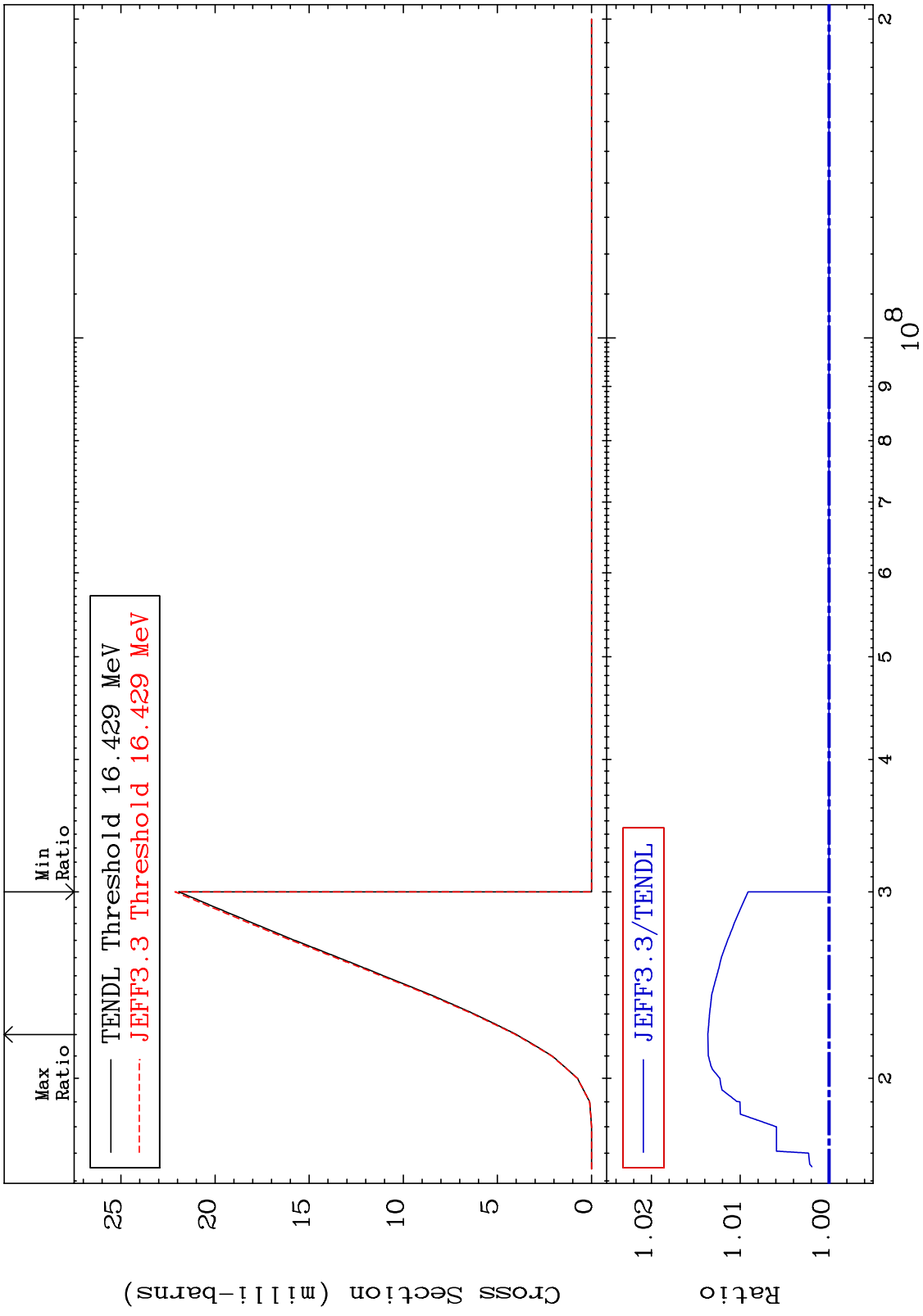
Incident Energy (eV)

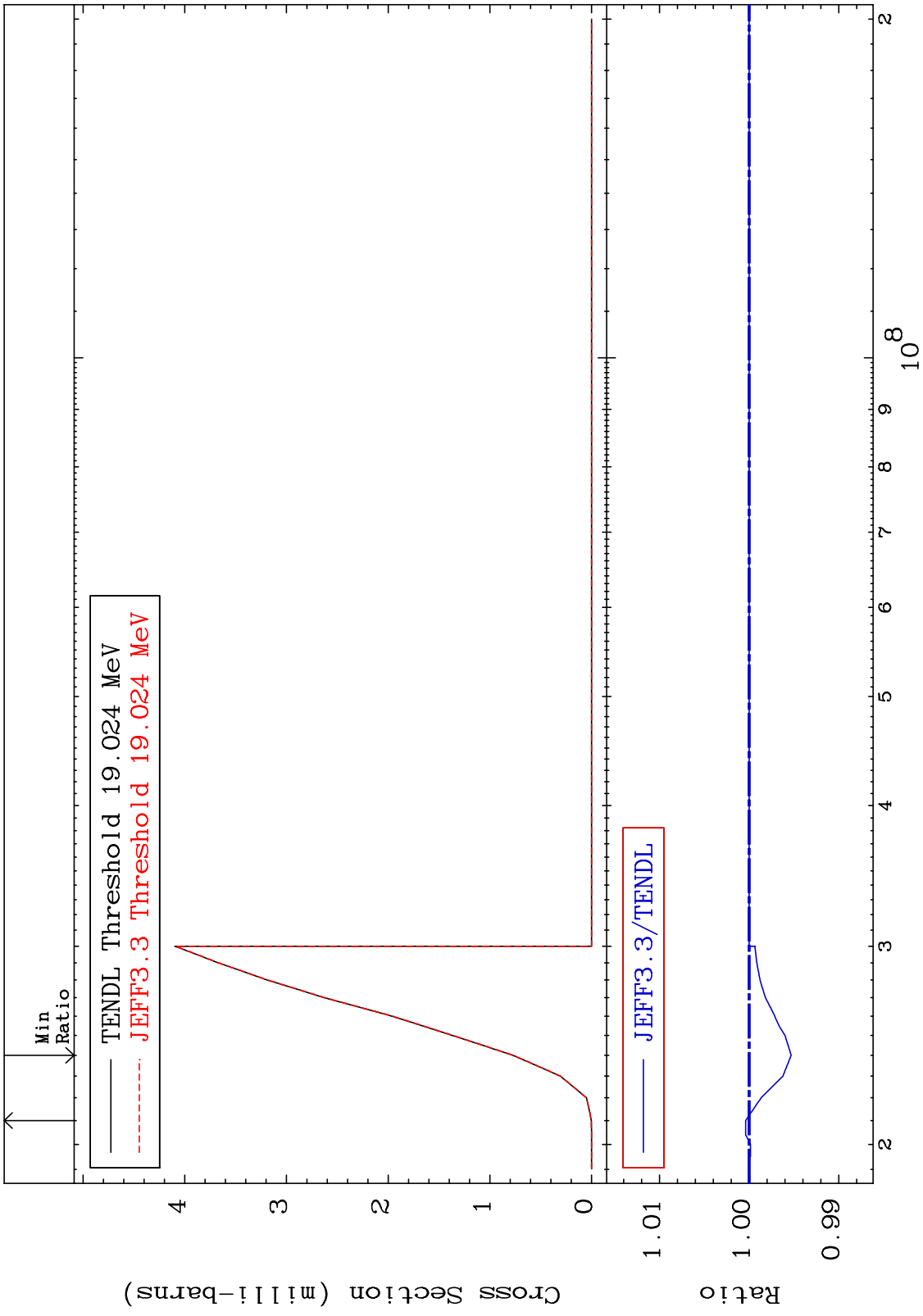
19-K -39

MAT 1925 (n,n') 2α Cross Section 19-K -39
 -3.623 To 355.6 %

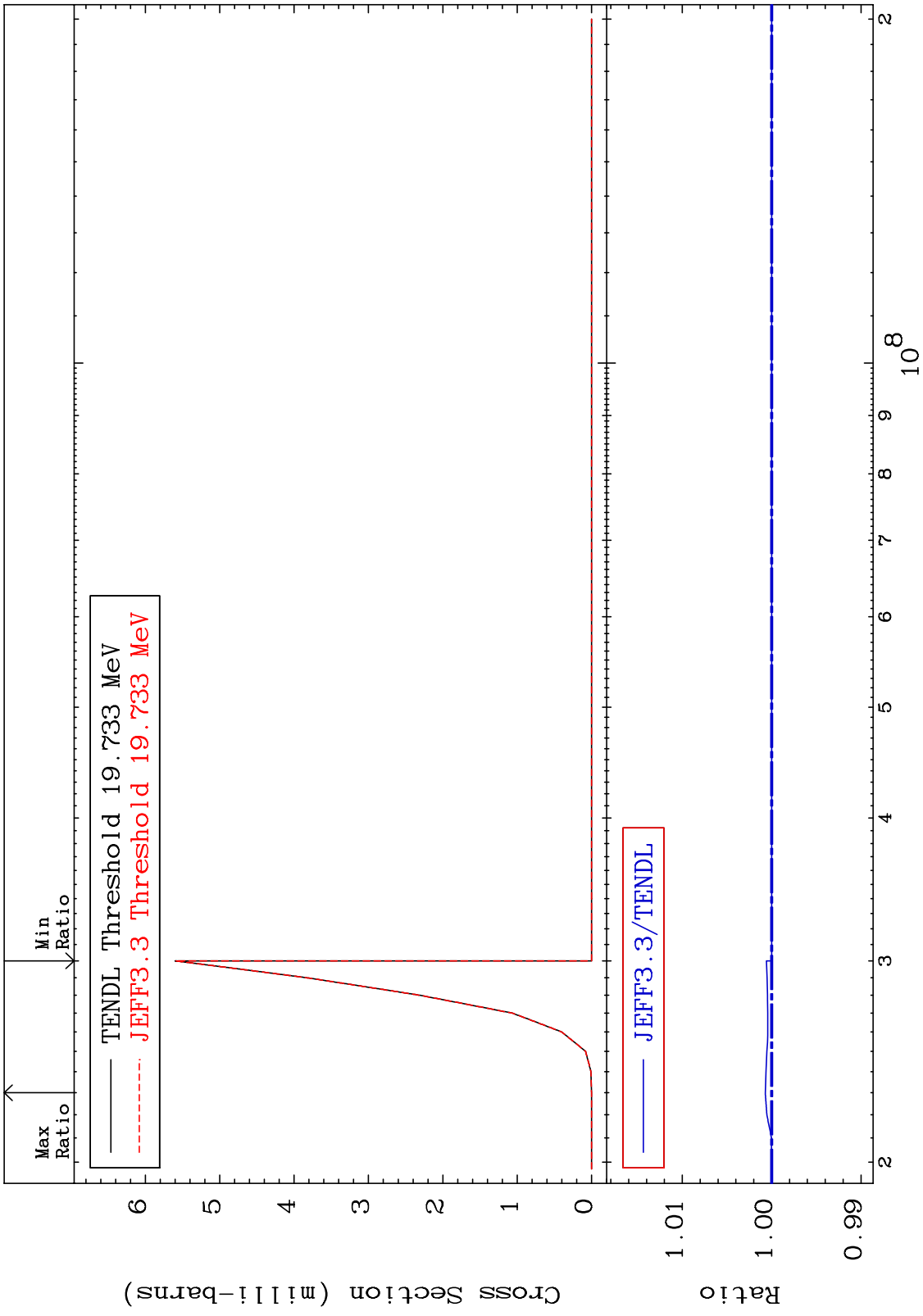


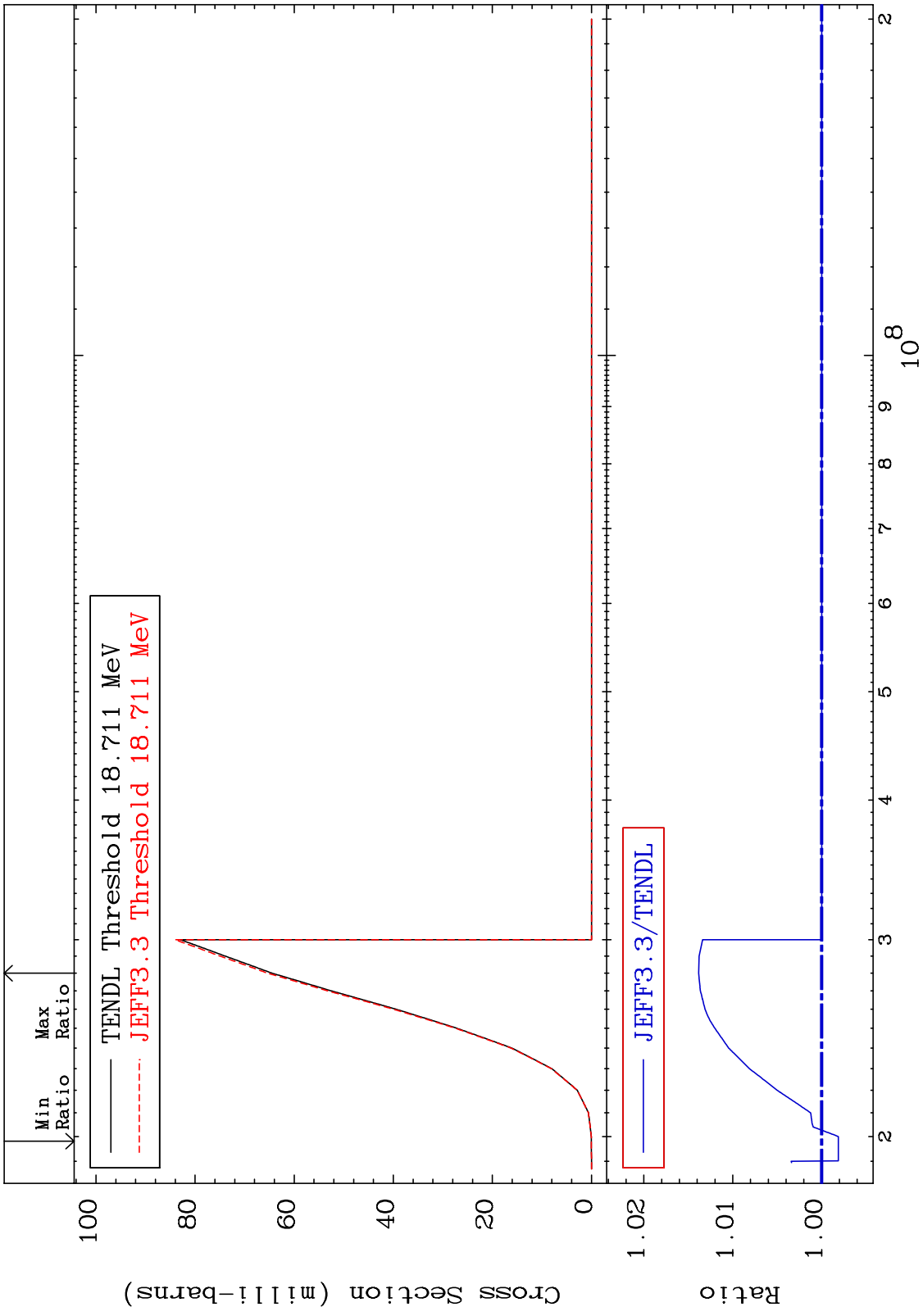
MAT 1925 (n,n') d 19-K -39
 Cross Section 0.000 To 1.365 %





MAT 1925 (n, n') He-3 Cross Section 19-K -39
 0.000 To 0.071 %

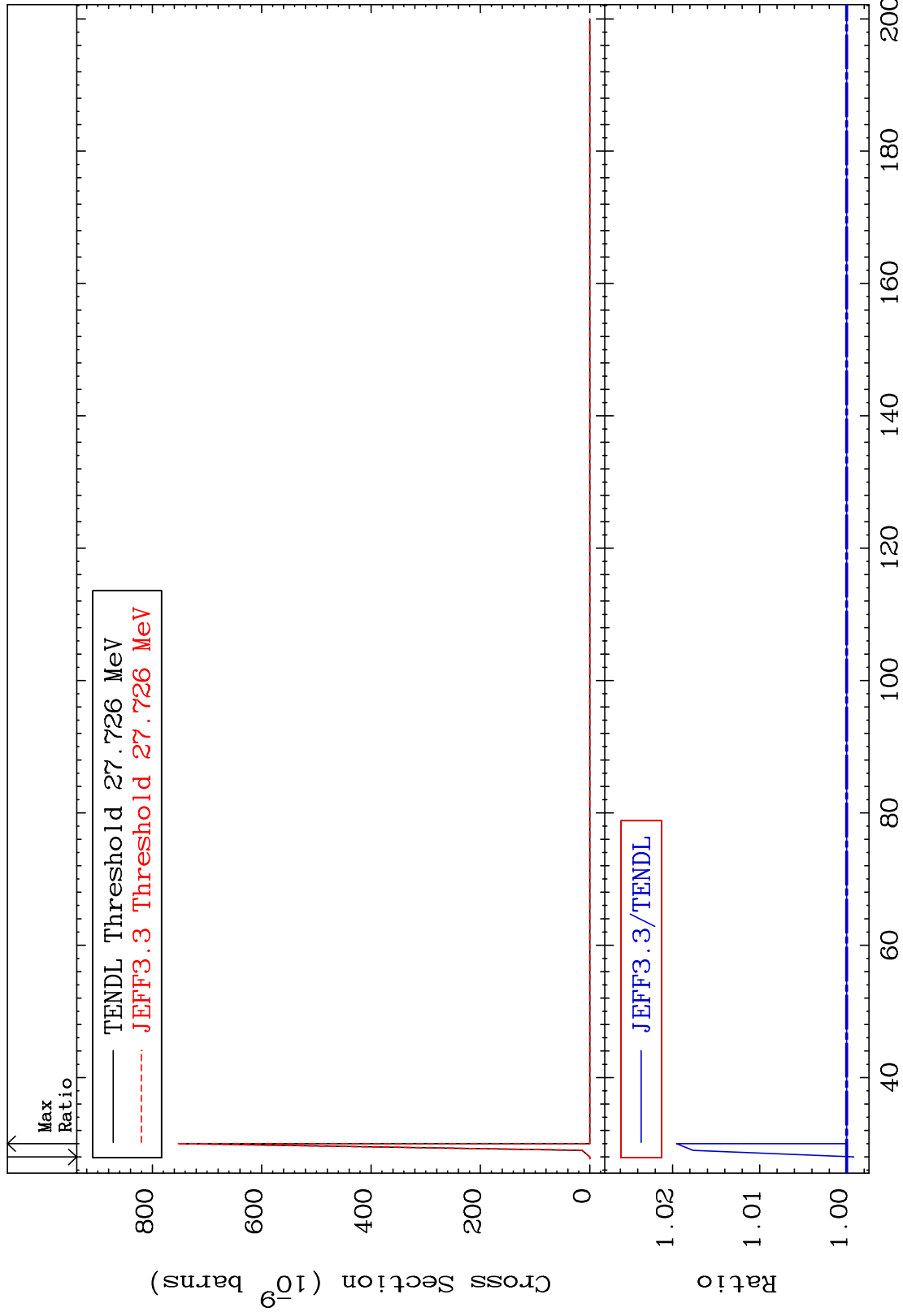




MAT 1925

(n,3n) p
Cross Section

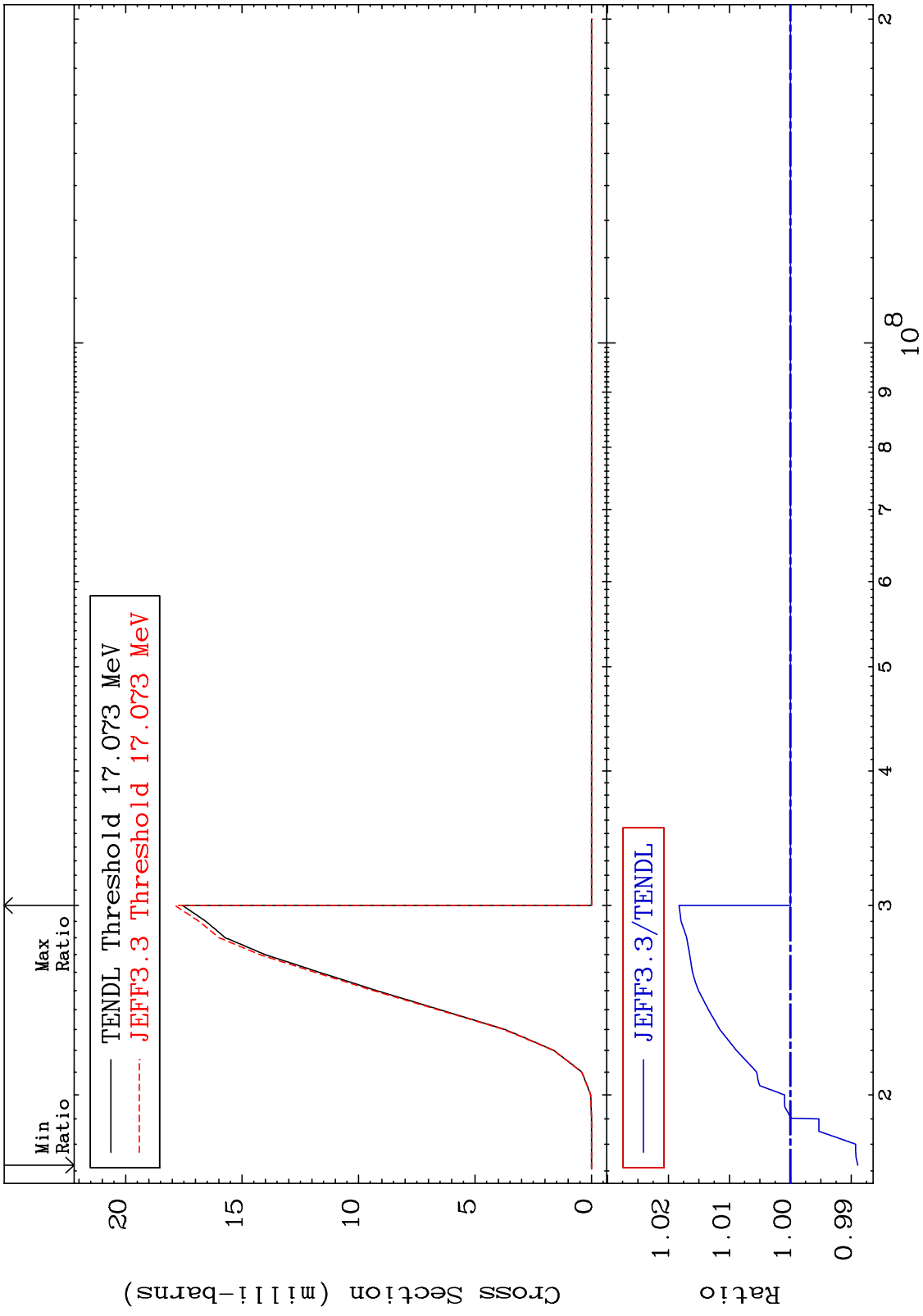
19-K -39
-0.082 To 1.955 %



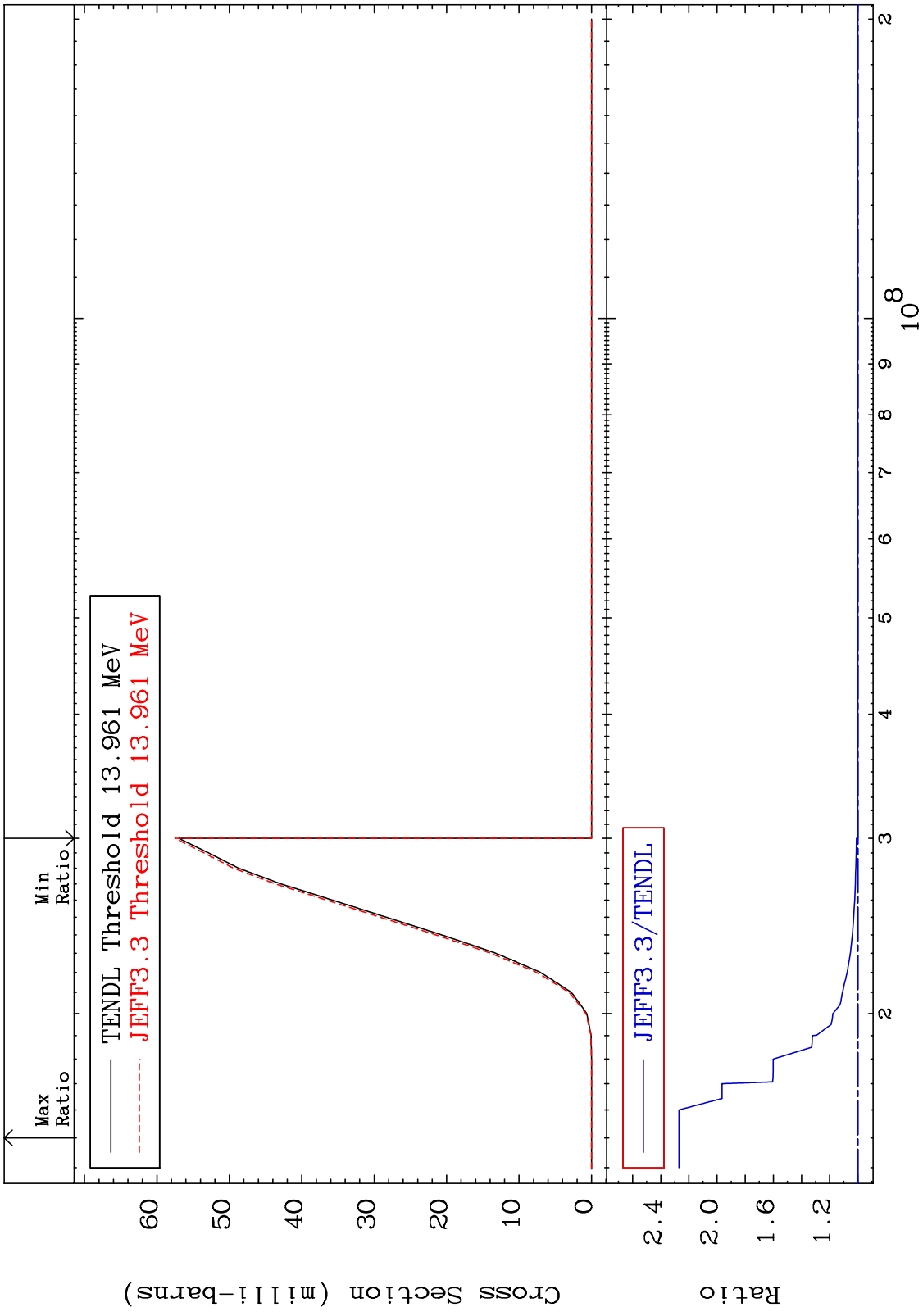
15

Incident Energy (MeV)

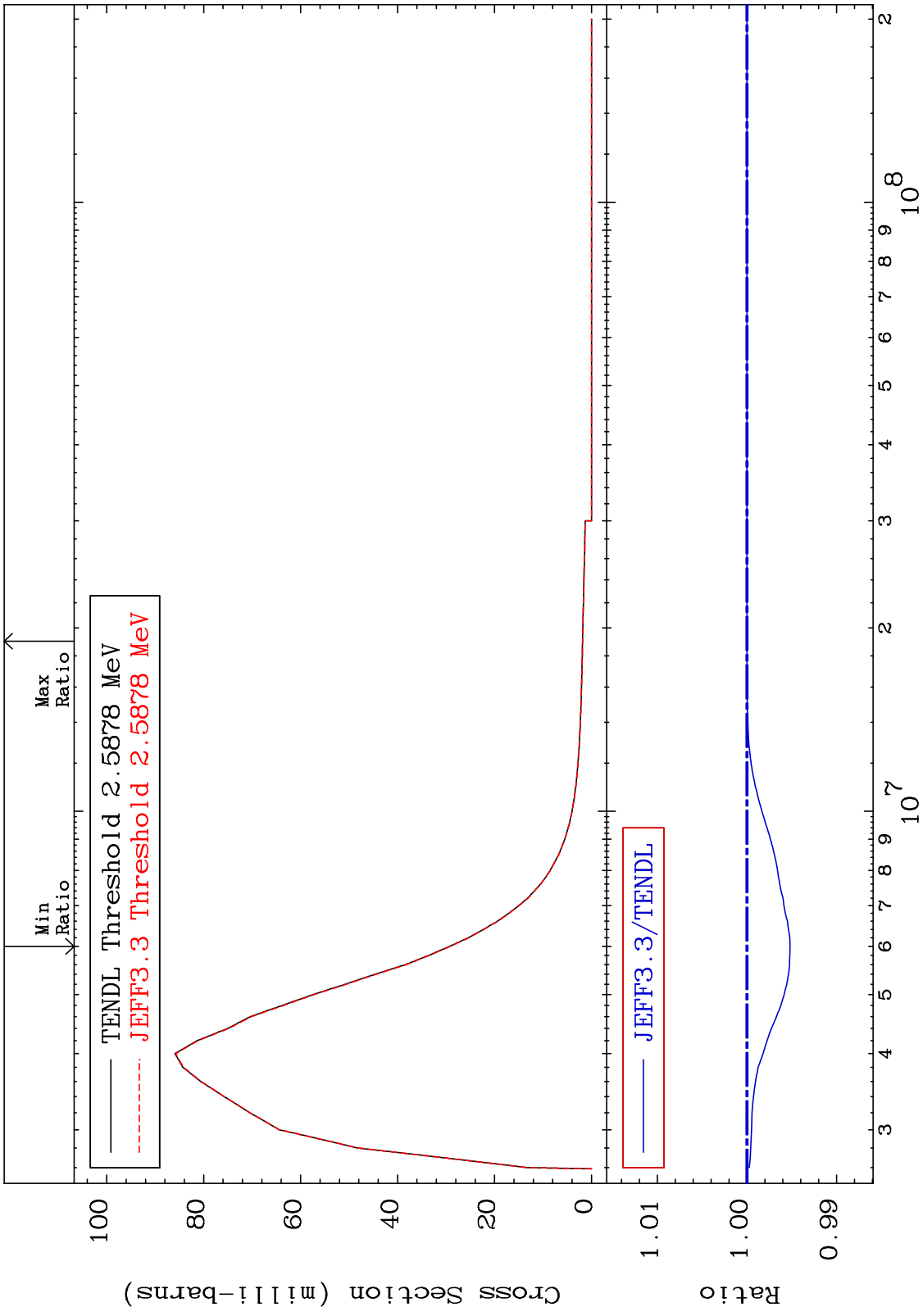
19-K -39



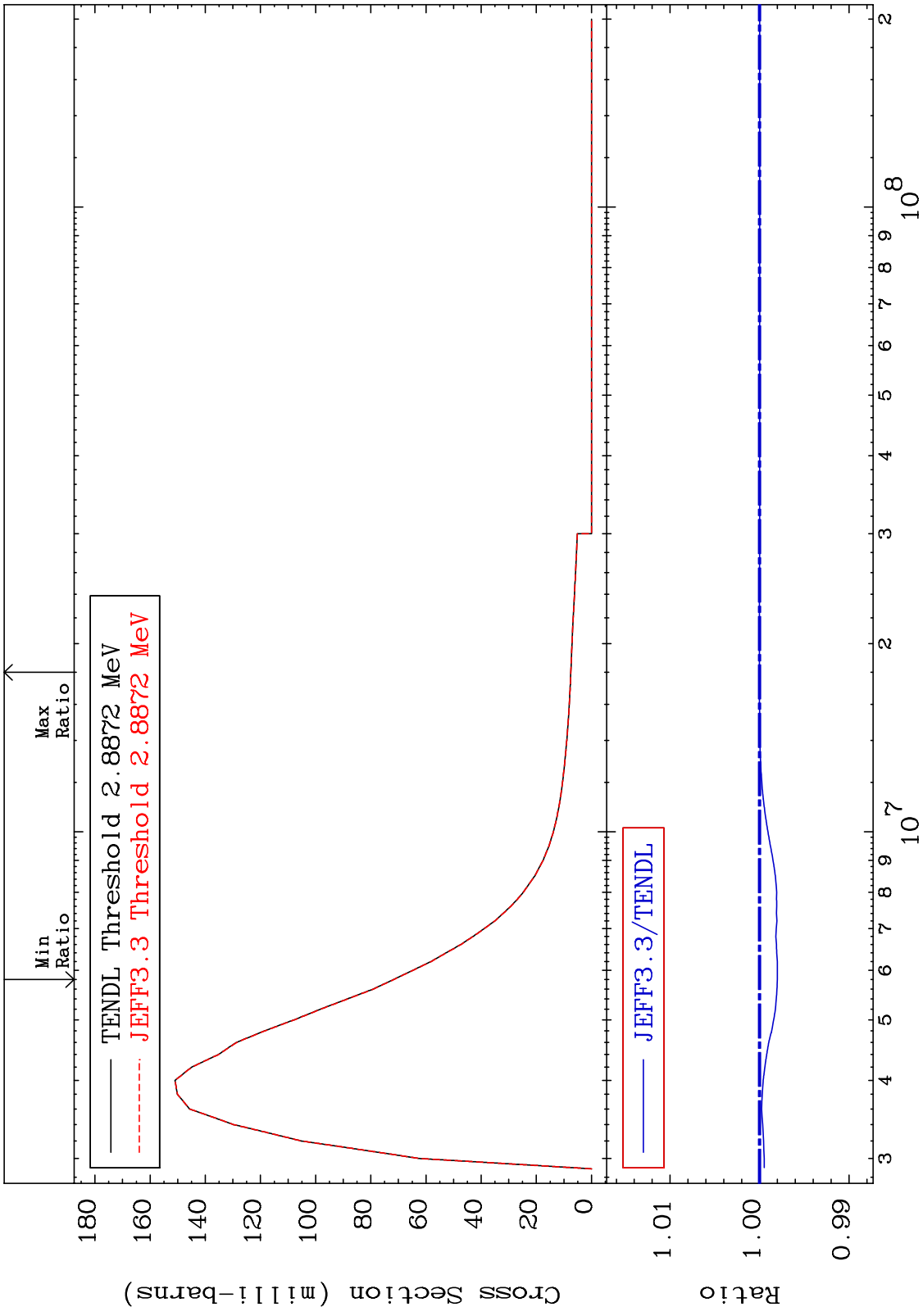
MAT 1925 (n,n') p α 19-K -39
 Cross Section 0.000 To 127.0 %



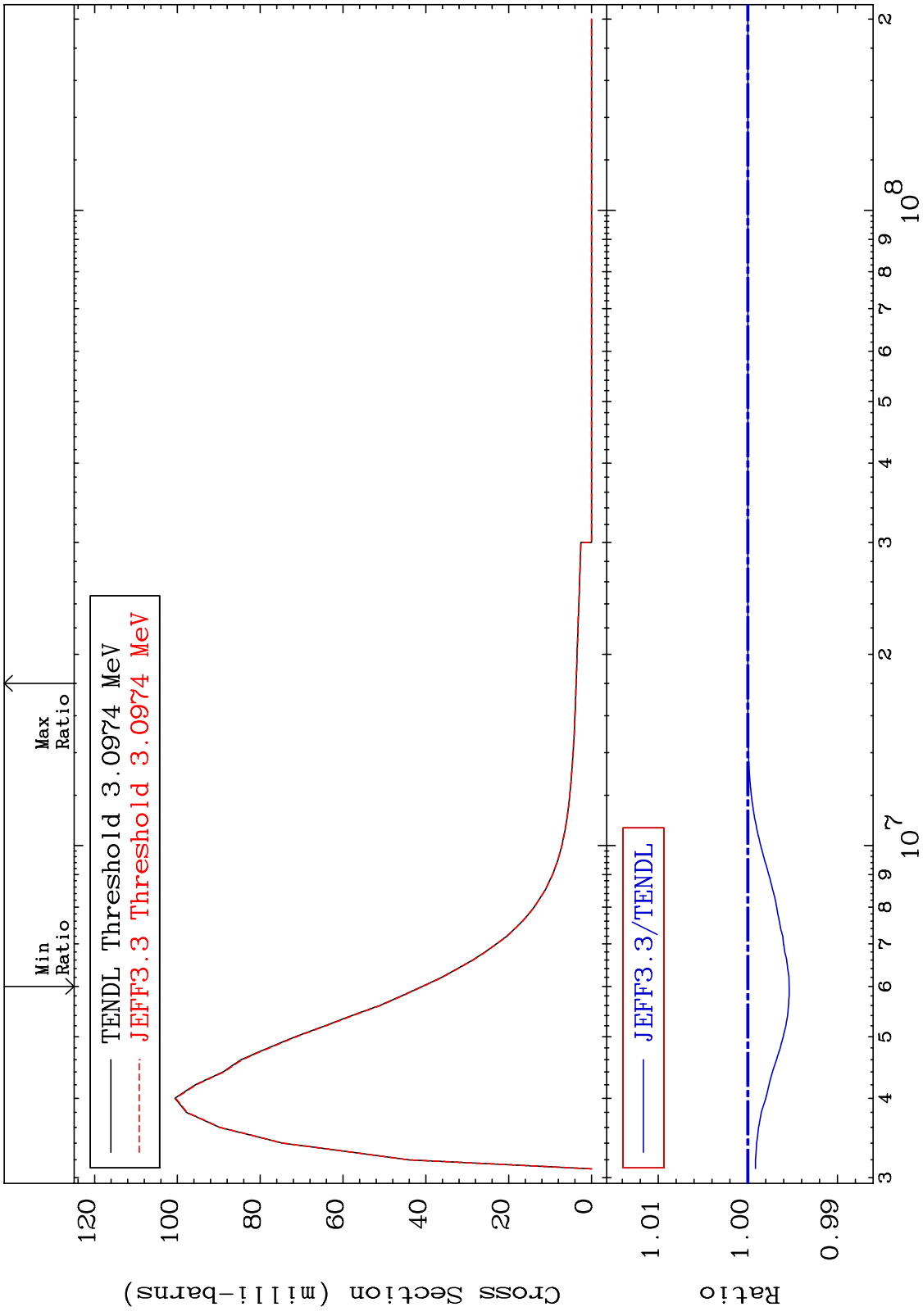
MAT 1925 MT= 51 (n,n') Level Cross Section -0.481 To 0.001 % 19-K -39



MAT 1925 MT= 52 (n,n') Level Cross Section 19-K -39
-0.200 To 0.000 %

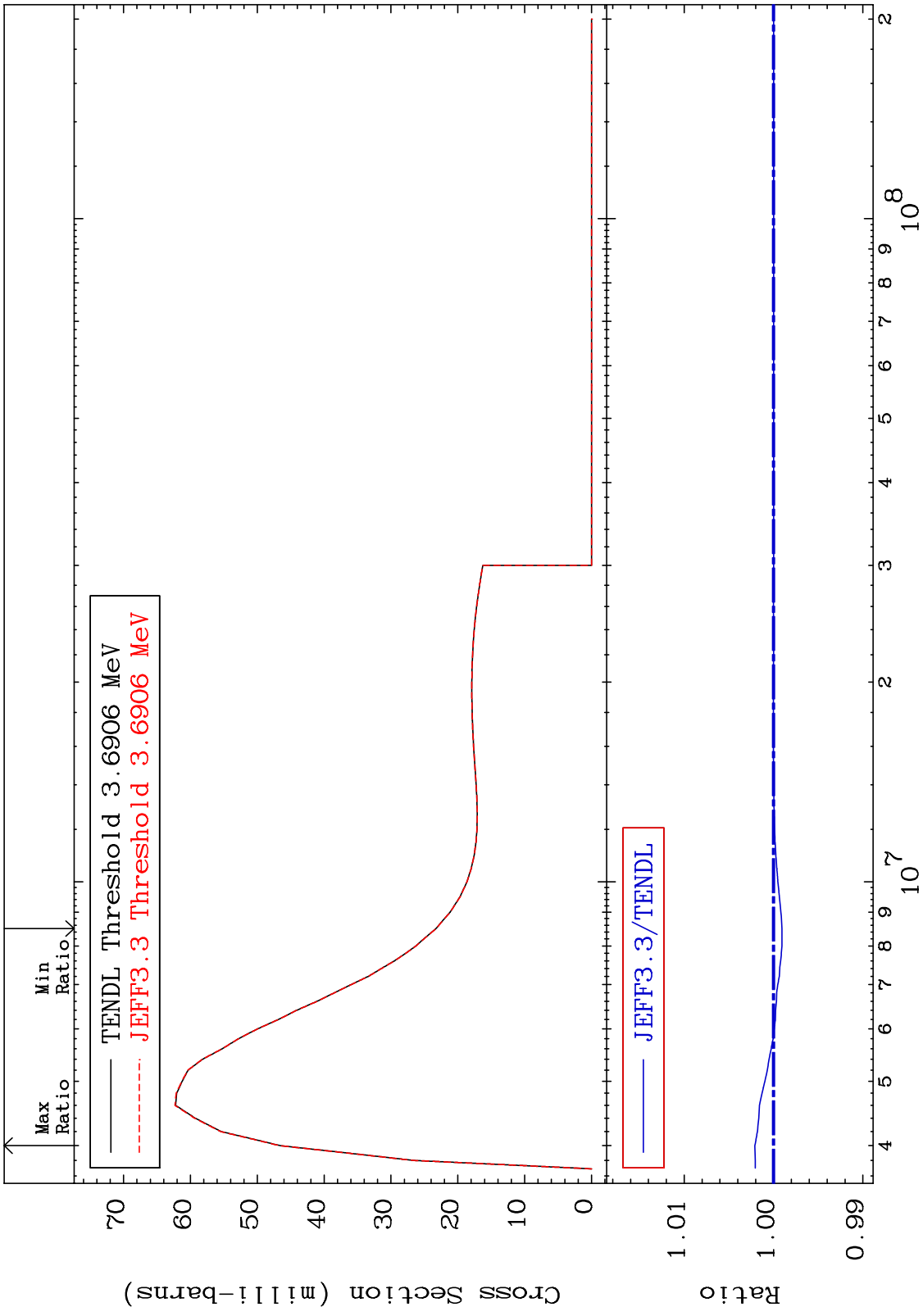


MAT 1925 MT= 53 (n,n') Level Cross Section 19-K -39
 -0.461 To 0.001 %

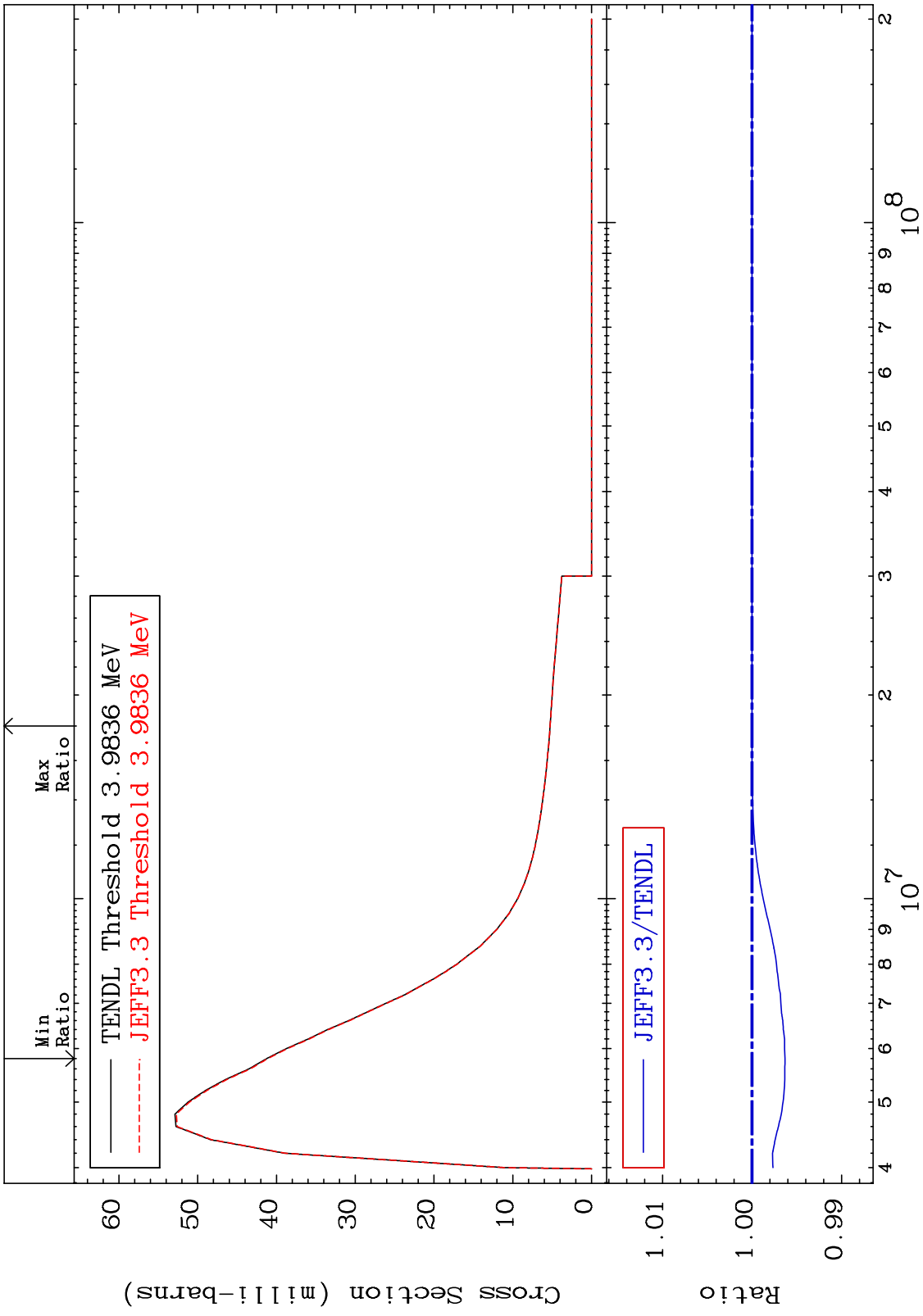


20 19-K -39

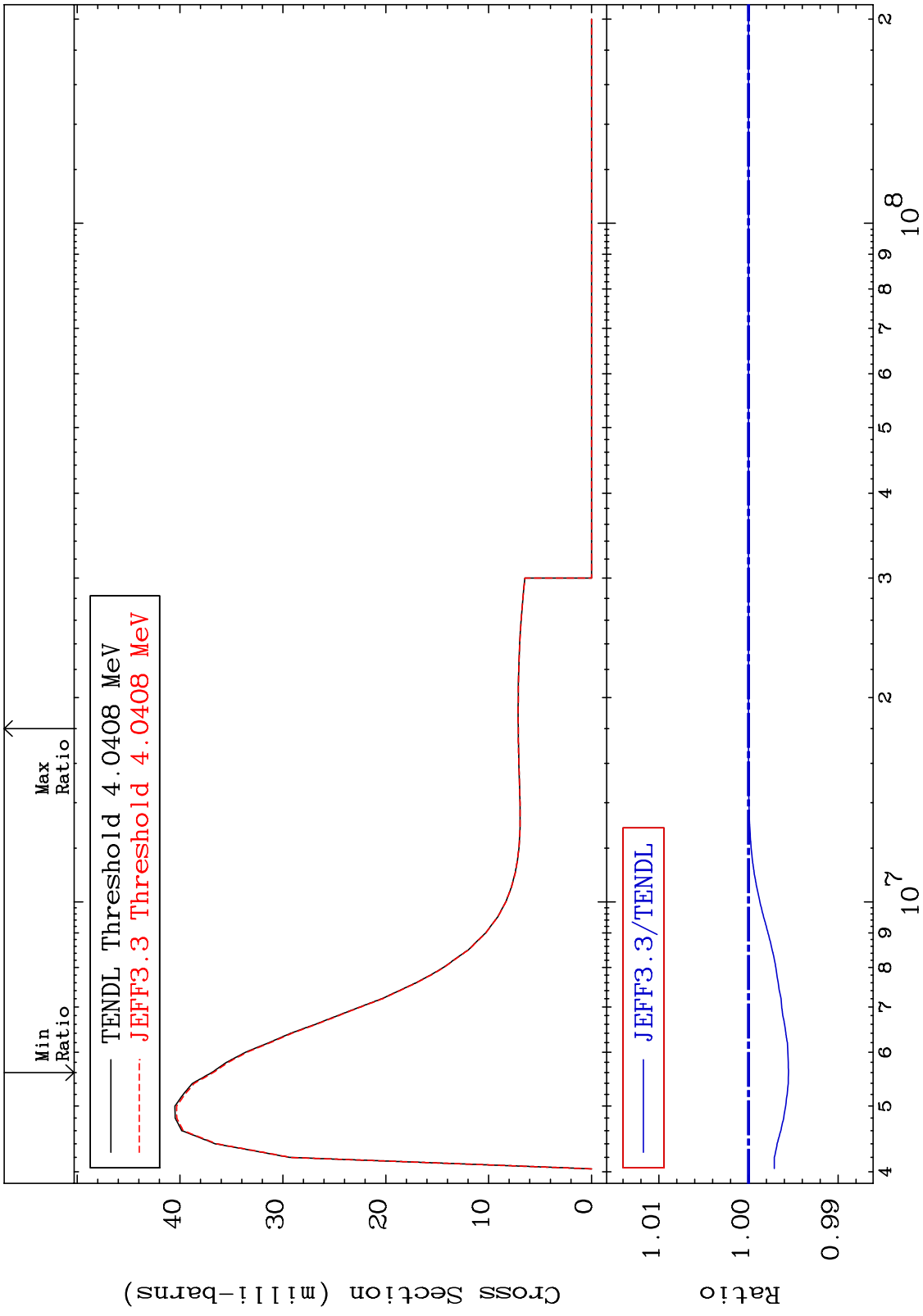
MAT 1925 MT= 54 (n,n') Level Cross Section 19-K -39
 -0.095 To 0.209 %



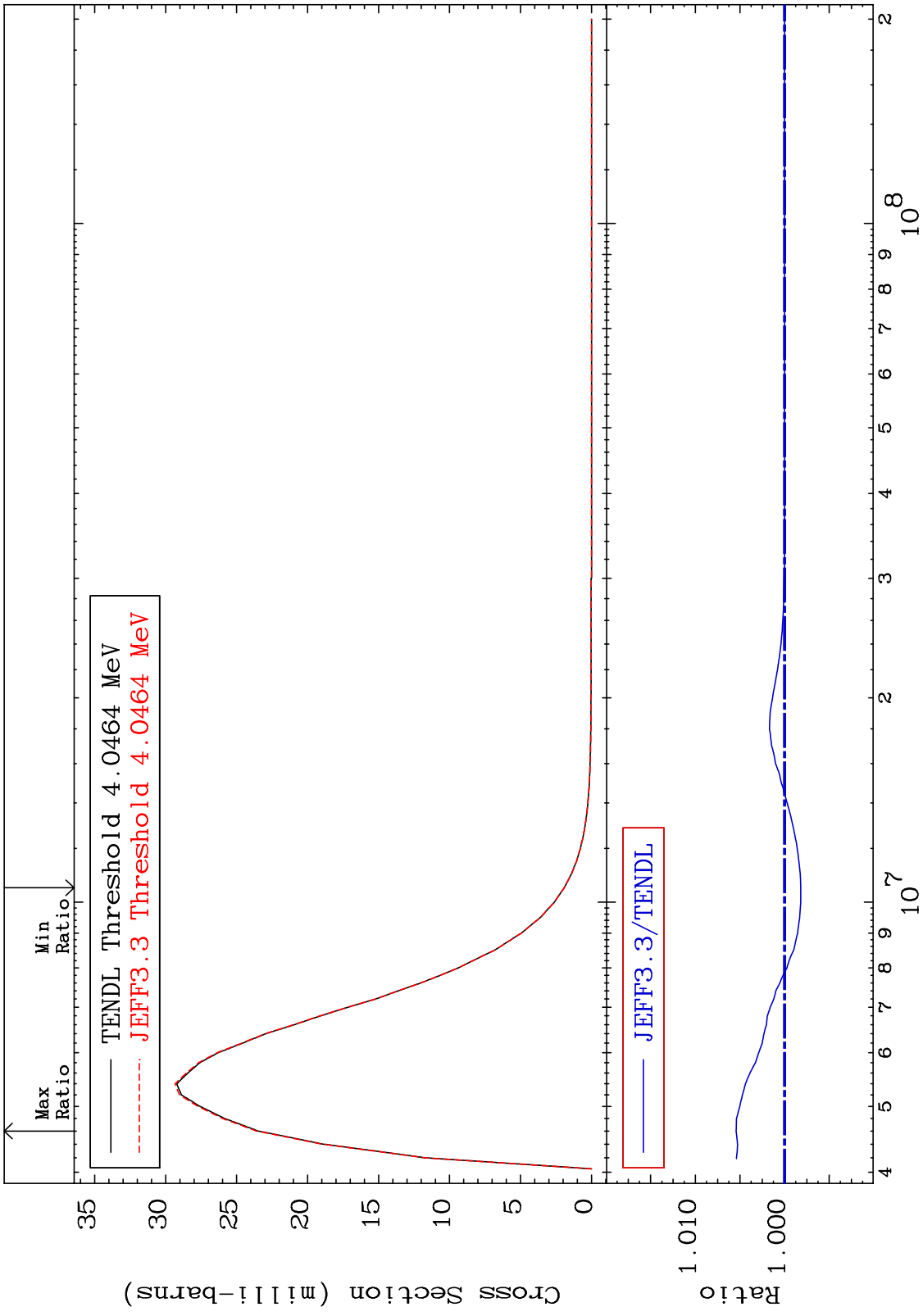
MAT 1925 MT= 55 (n,n') Level Cross Section -0.367 To 0.000 % 19-K -39



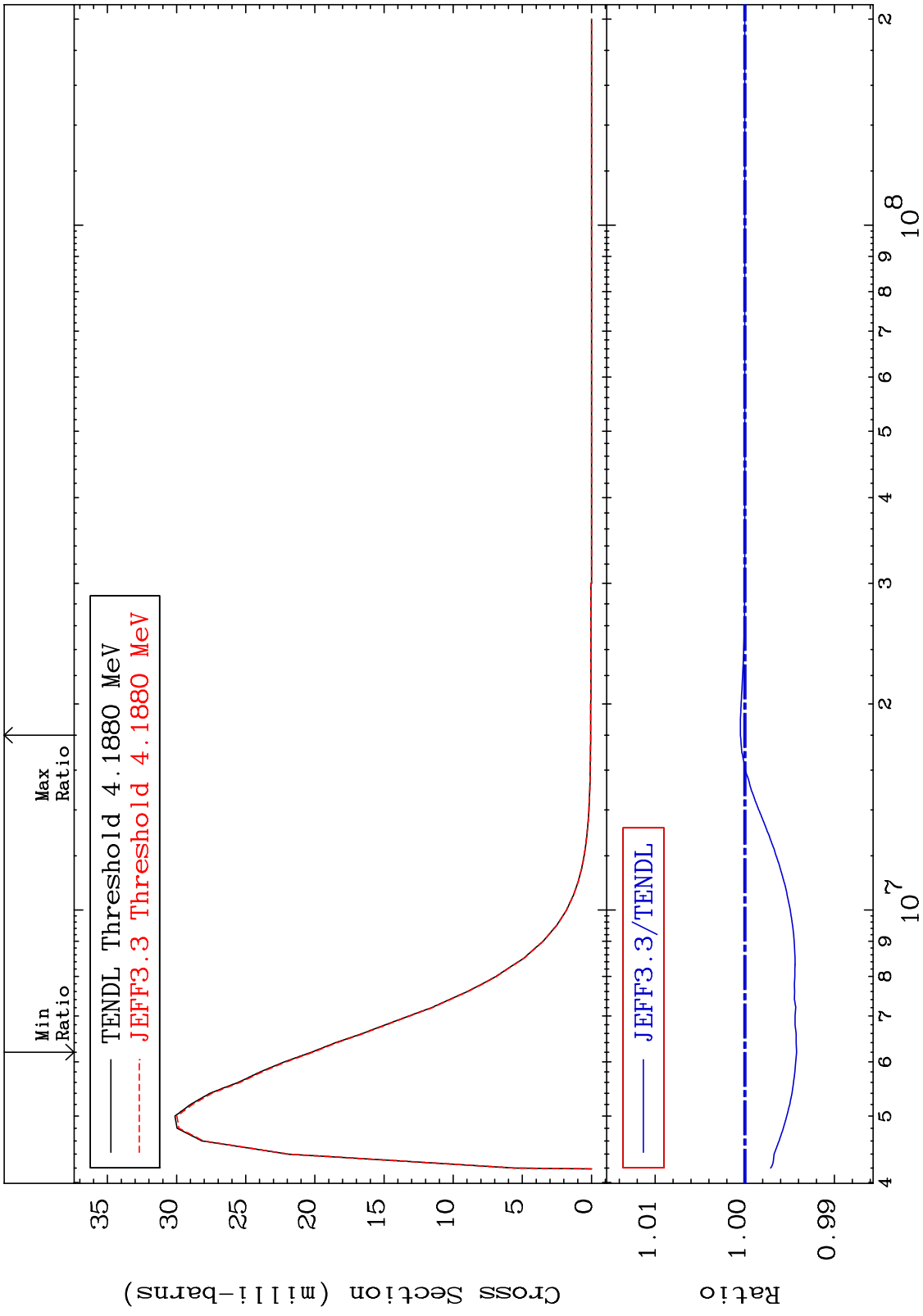
MAT 1925 MT= 56 (n,n') Level Cross Section 19-K -39
 -0.446 To 0.000 %



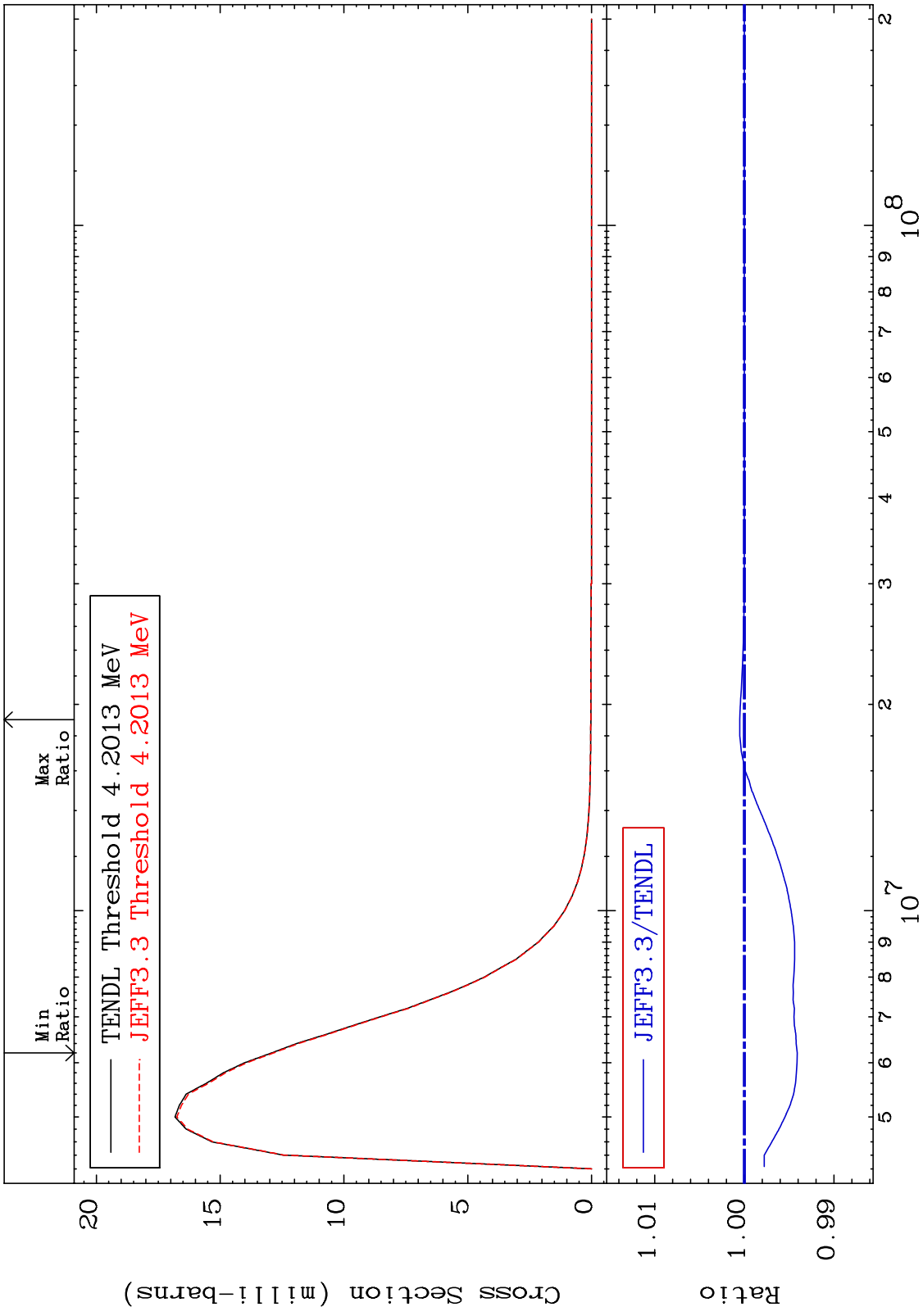
MAT 1925 MT= 57 (n,n') Level Cross Section 19-K -39
 -0.182 To 0.542 %



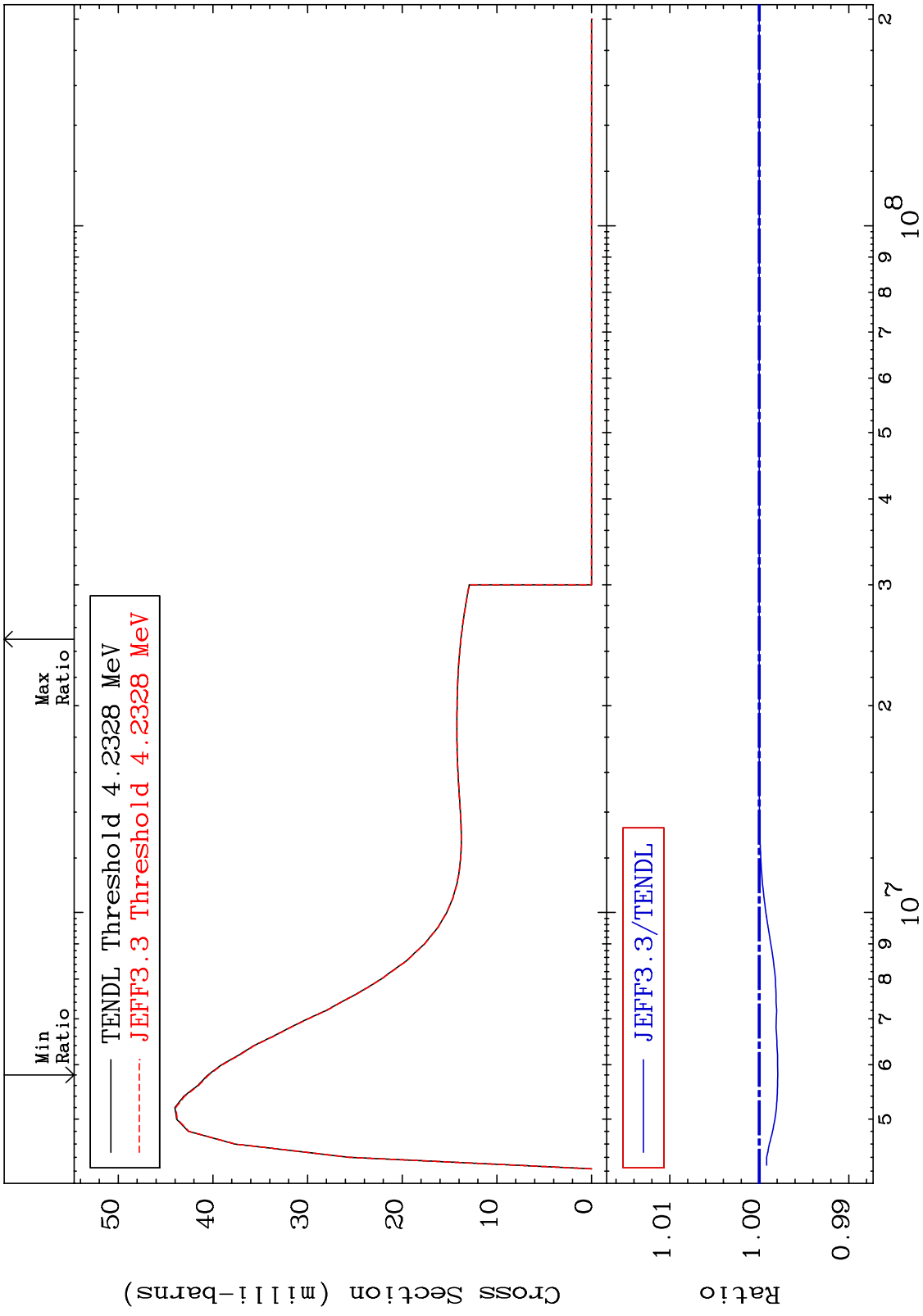
MAT 1925 MT= 58 (n,n') Level Cross Section 19-K -39
 -0.576 To 0.050 %



MAT 1925 MT= 59 (n,n') Level Cross Section -0.590 To 0.051 % 19-K -39

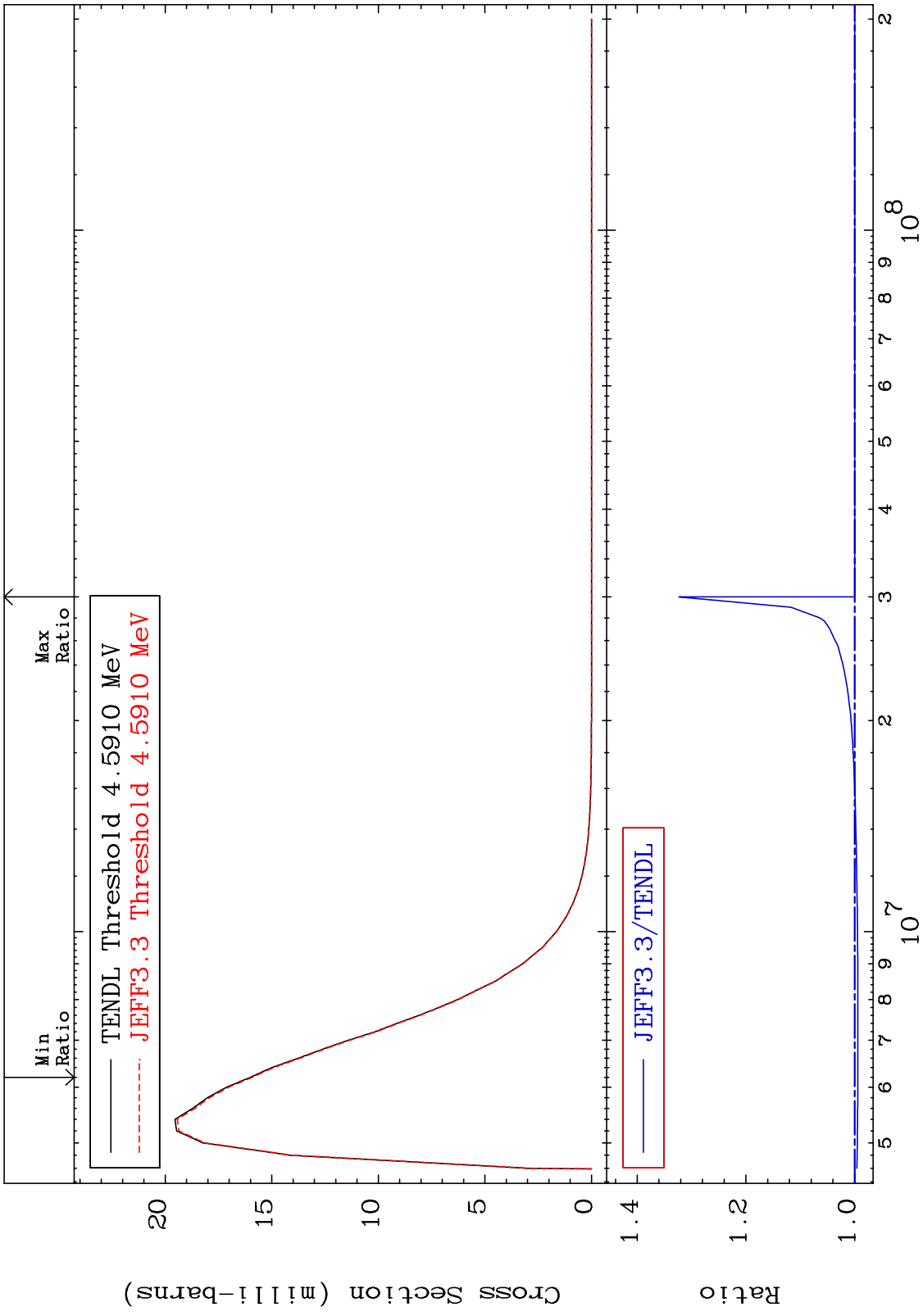


MAT 1925 MT= 60 (n,n') Level Cross Section 19-K -39
 -0.207 To 0.000 %

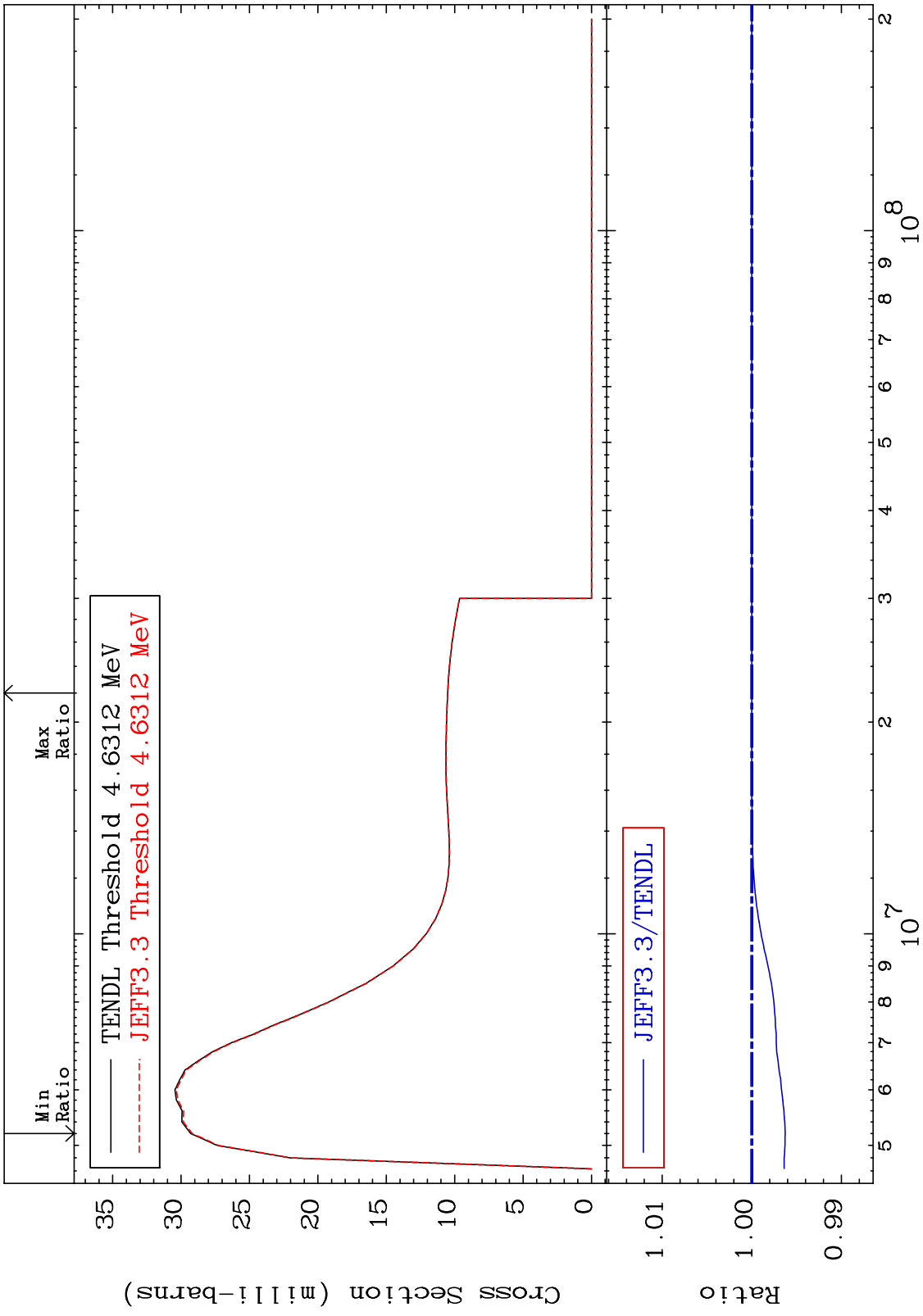


27 19-K -39

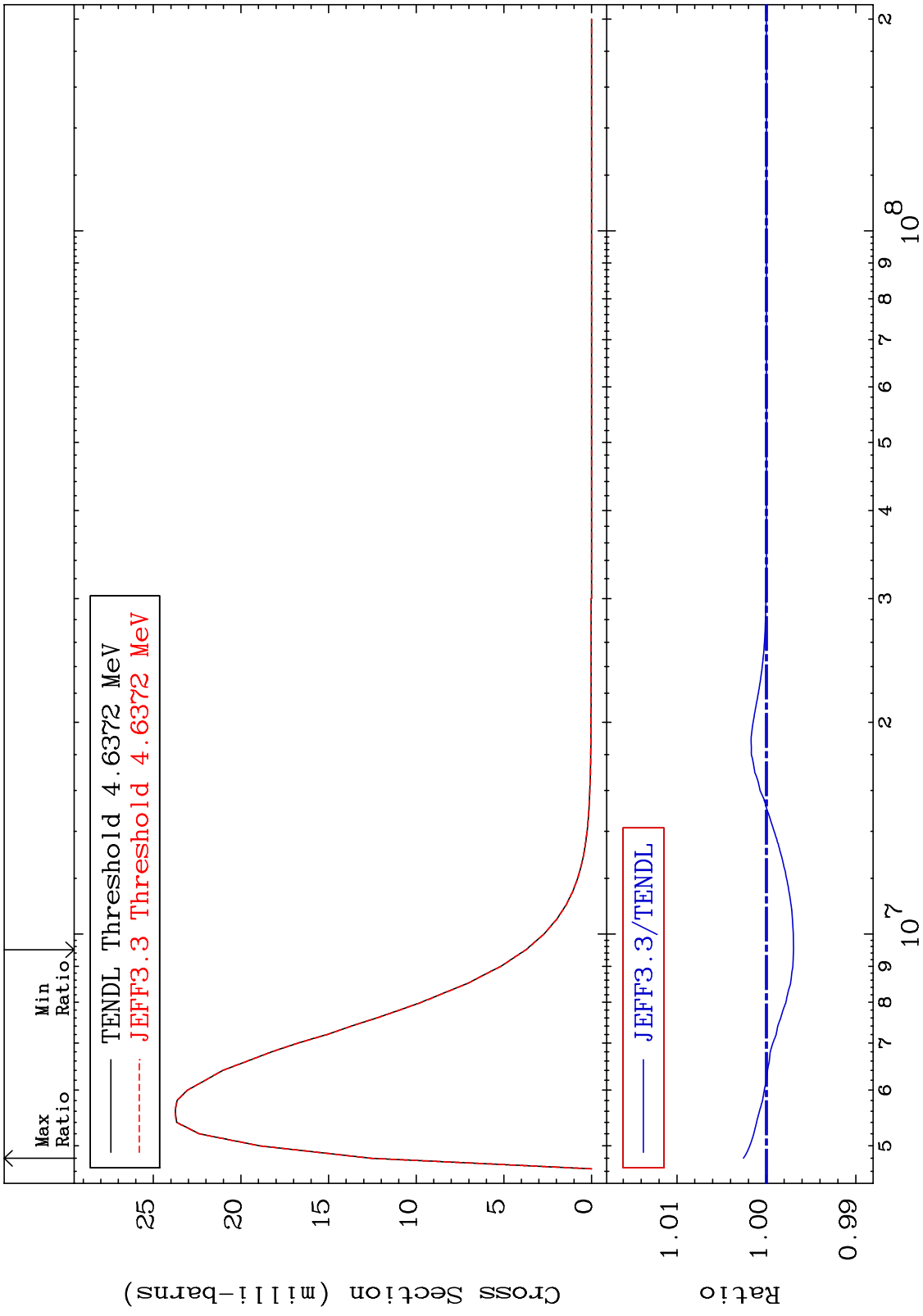
MAT 1925 MT= 61 (n,n') Level Cross Section -0.590 To 32.31 % 19-K -39



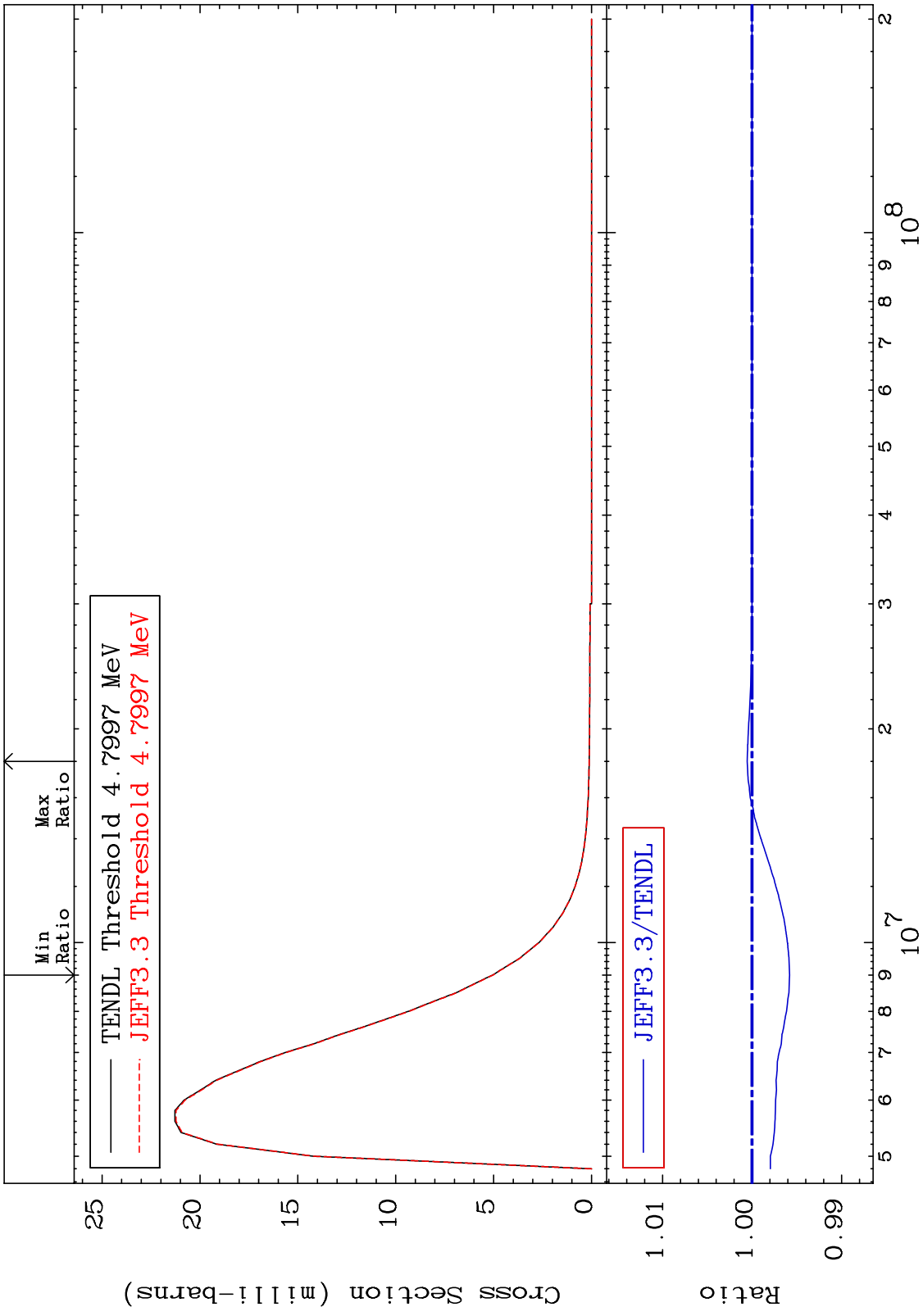
MAT 1925 MT= 62 (n,n') Level Cross Section -0.373 To 0.000 % 19-K -39



MAT 1925 MT= 63 (n,n') Level Cross Section -0.304 To 0.257 % 19-K -39



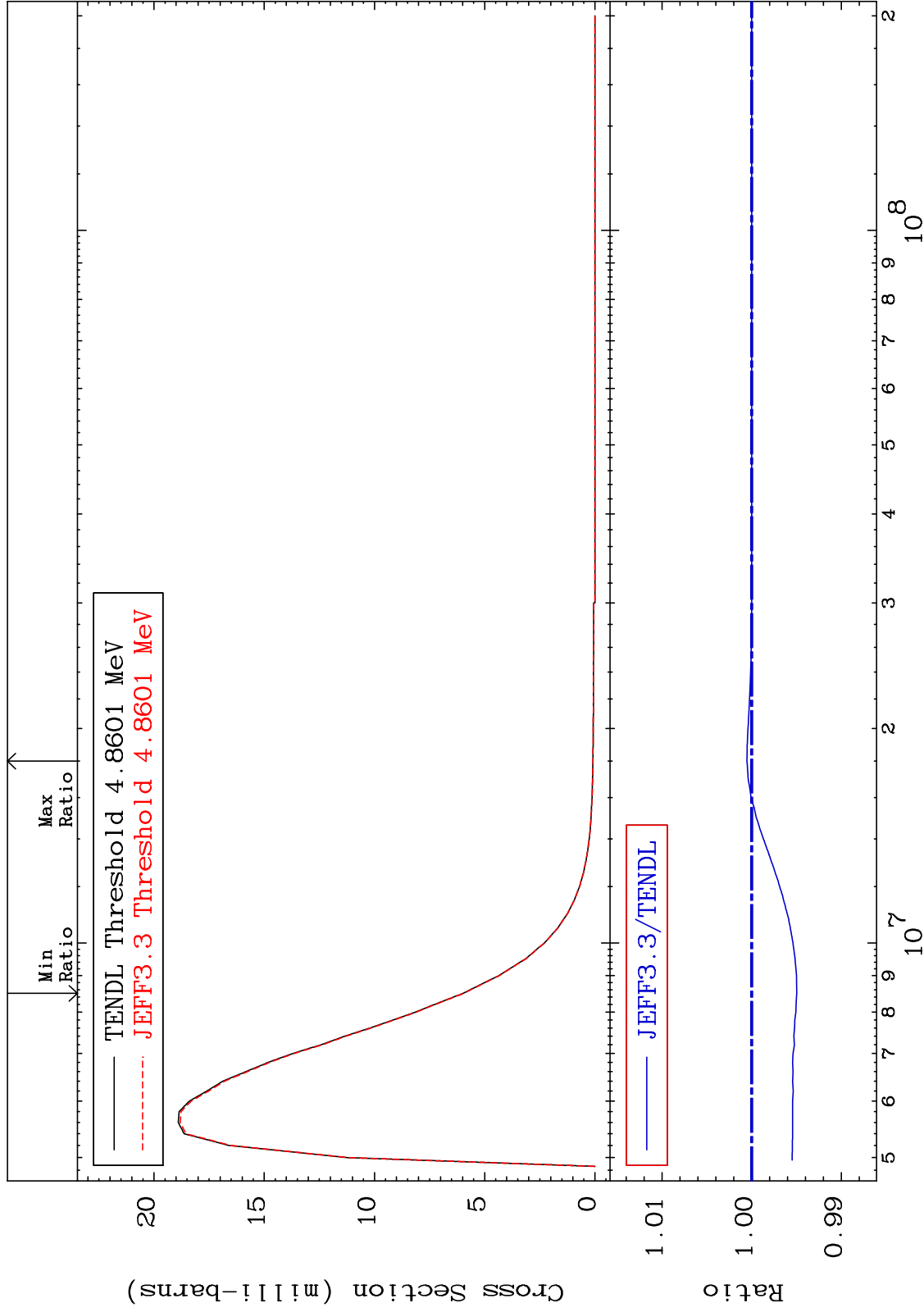
MAT 1925 MT= 64 (n,n') Level Cross Section 19-K -39
 -0.419 To 0.054 %



MAT 1925

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

19-K -39
-0.502 To 0.053 %



32

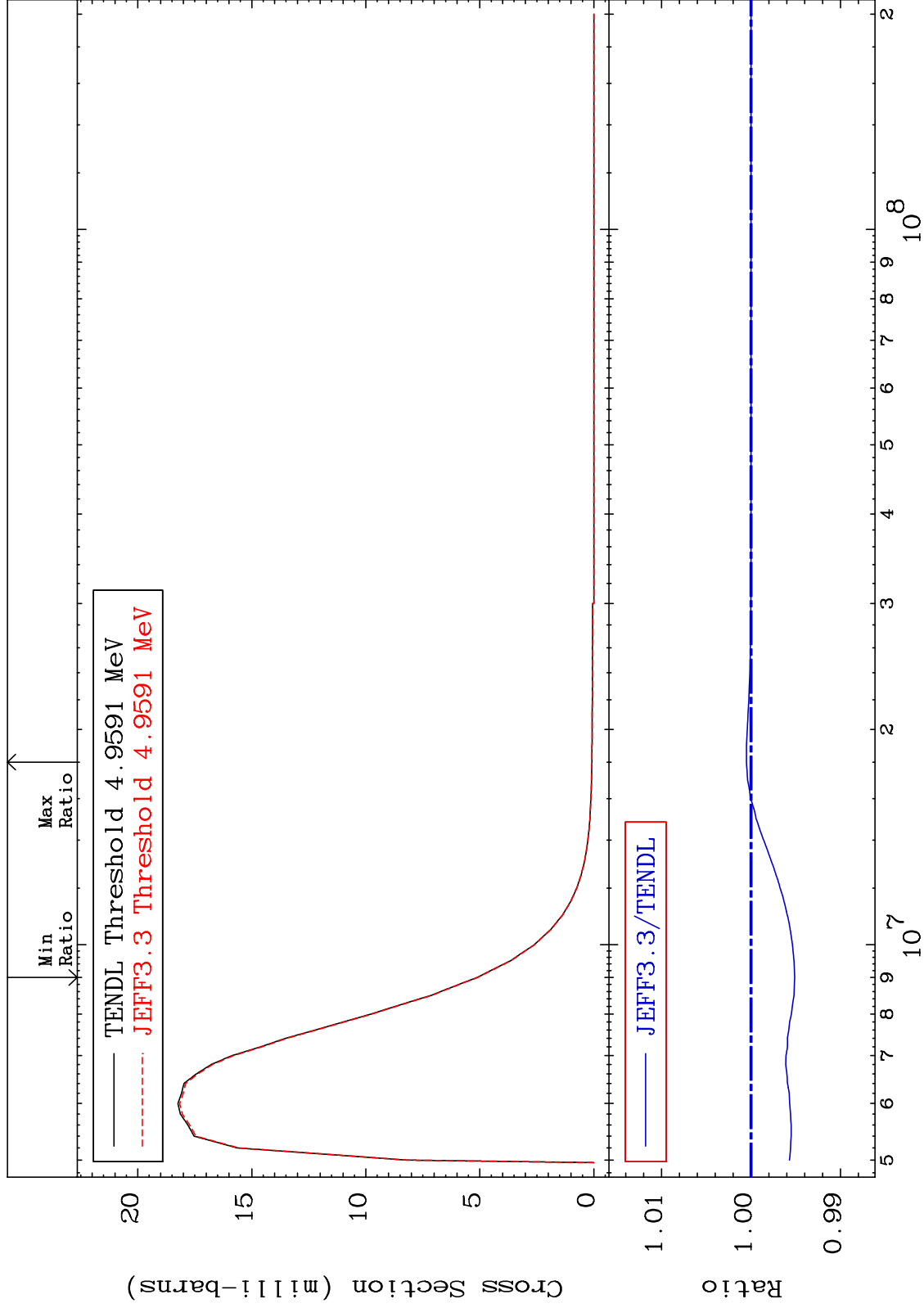
Incident Energy (eV)

19-K -39

MAT 1925

MT= 66 (n,n') Level
Cross Section

19-K -39
-0.488 To 0.052 %



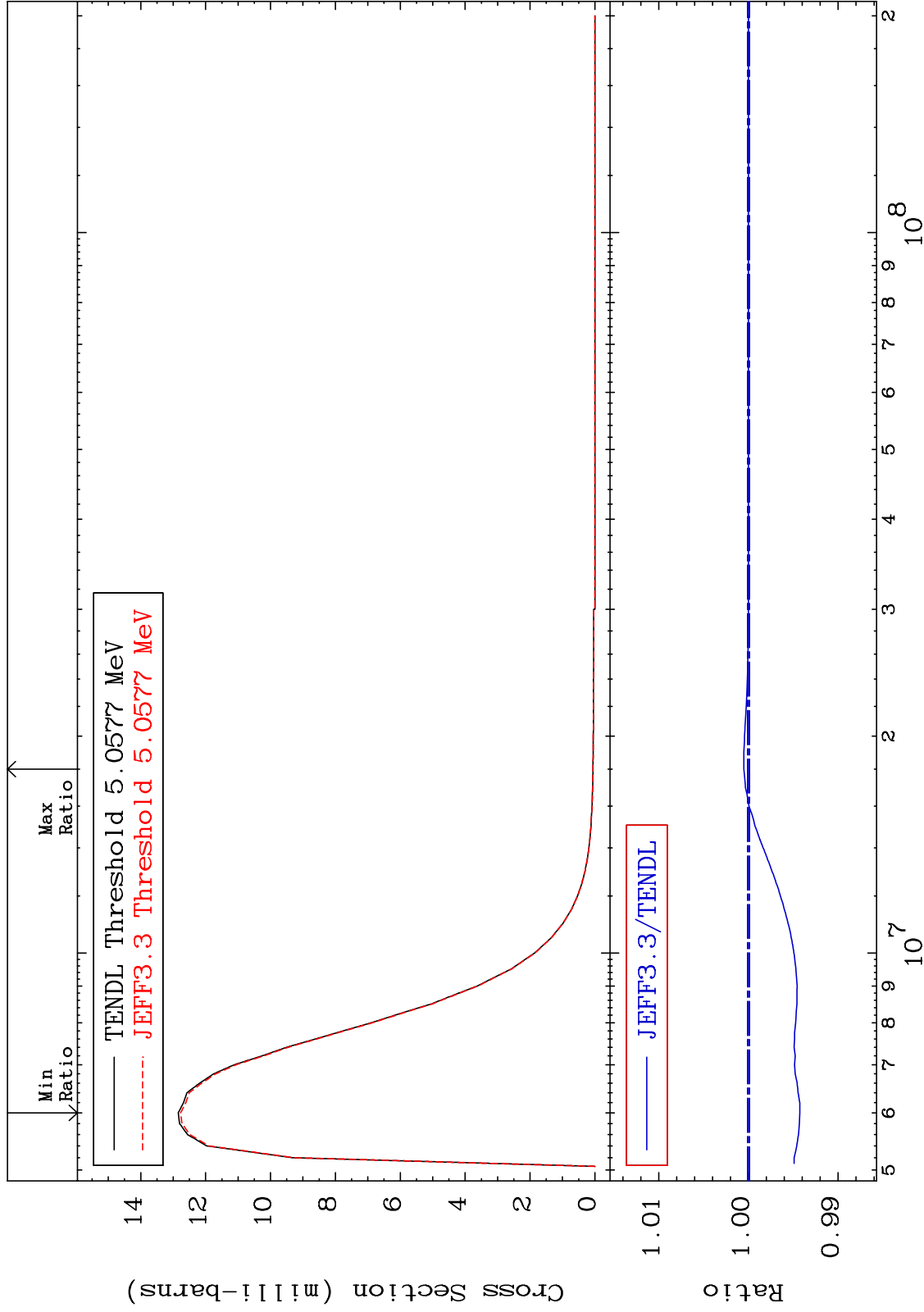
33

19-K -39

MAT 1925

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

19-K -39
-0.573 To 0.052 %



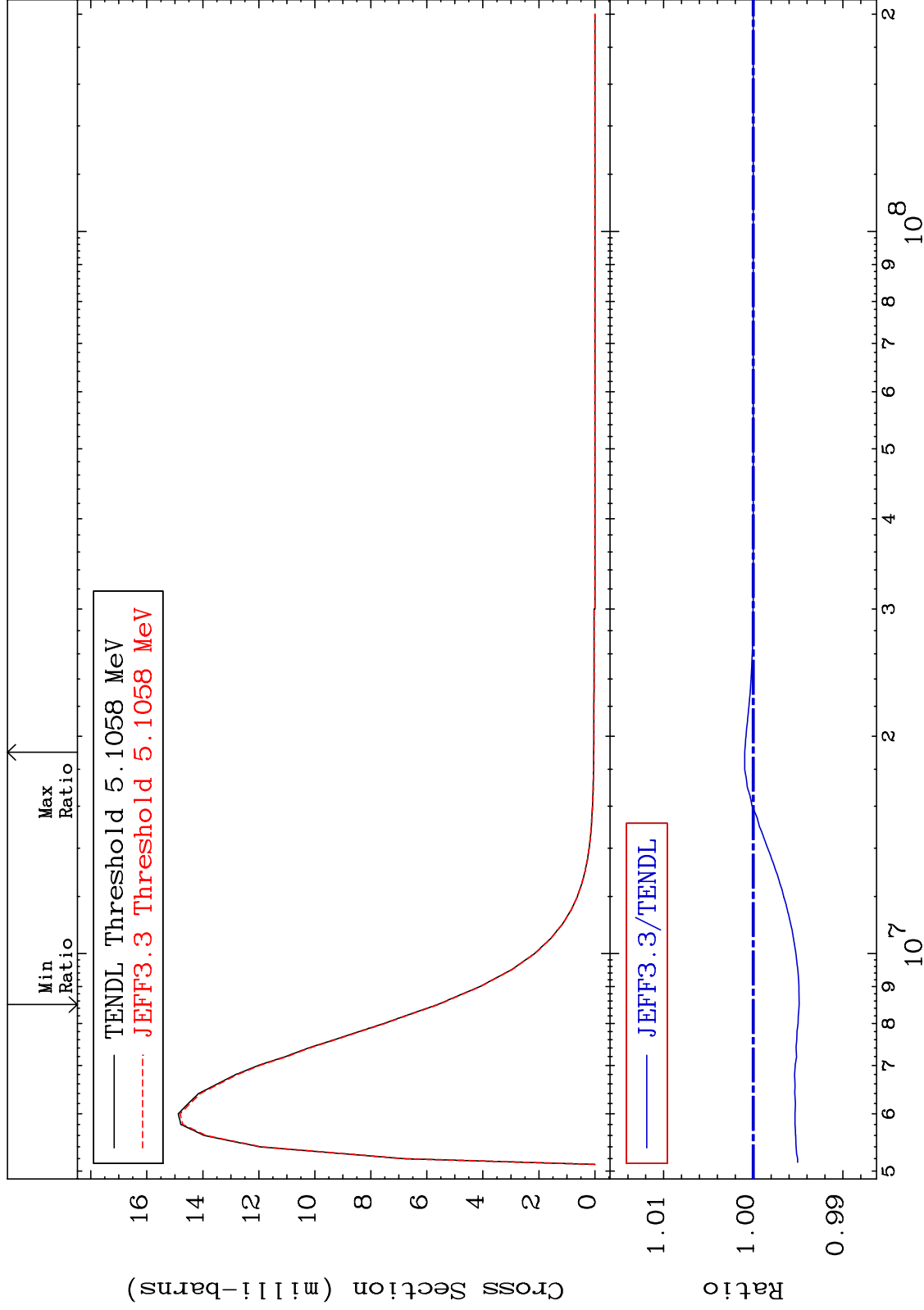
34

19-K -39

MAT 1925

MT= 68 (n,n') Level
Cross Section

19-K -39
-0.511 To 0.096 %



35

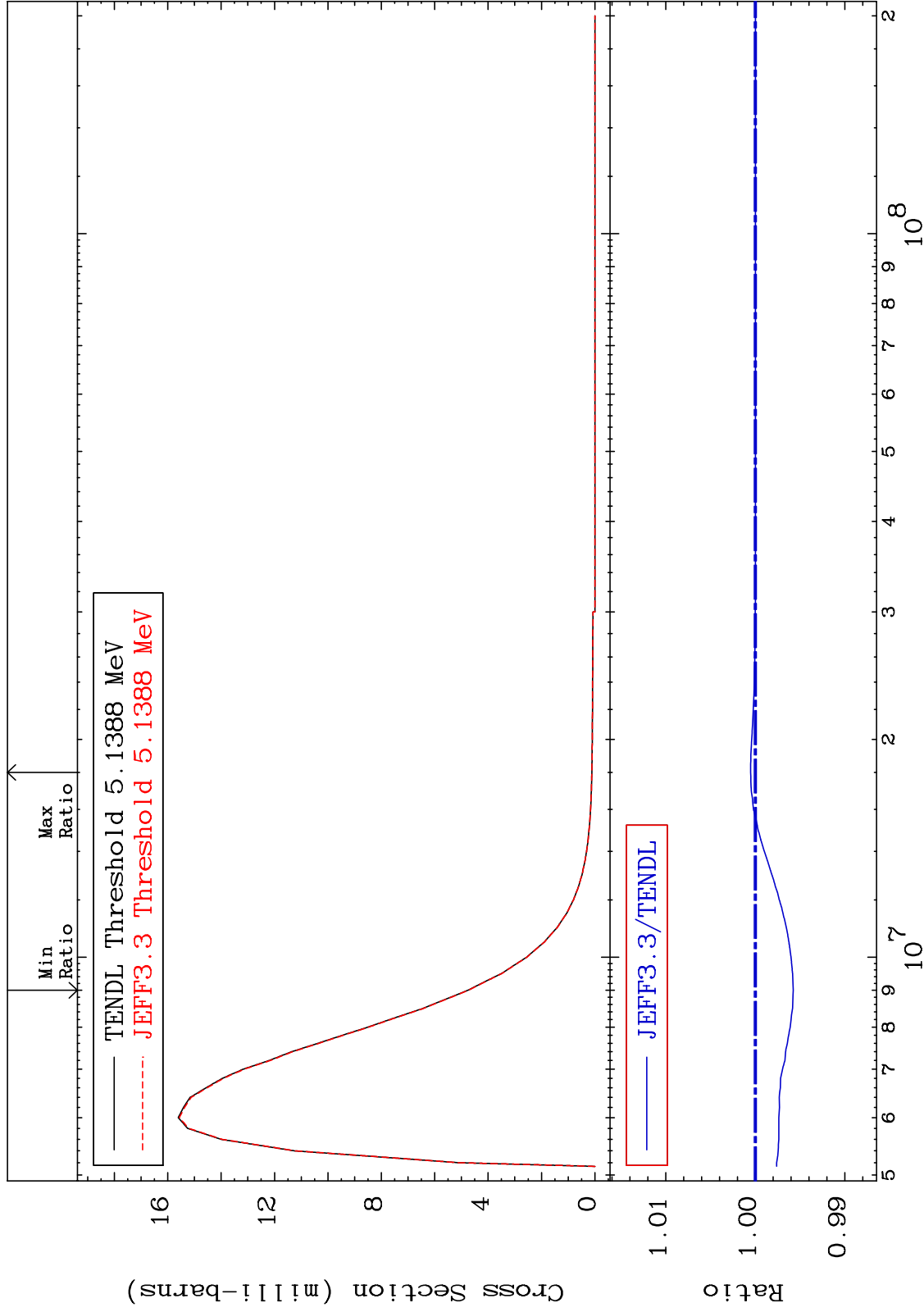
Incident Energy (eV)

19-K -39

MAT 1925

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

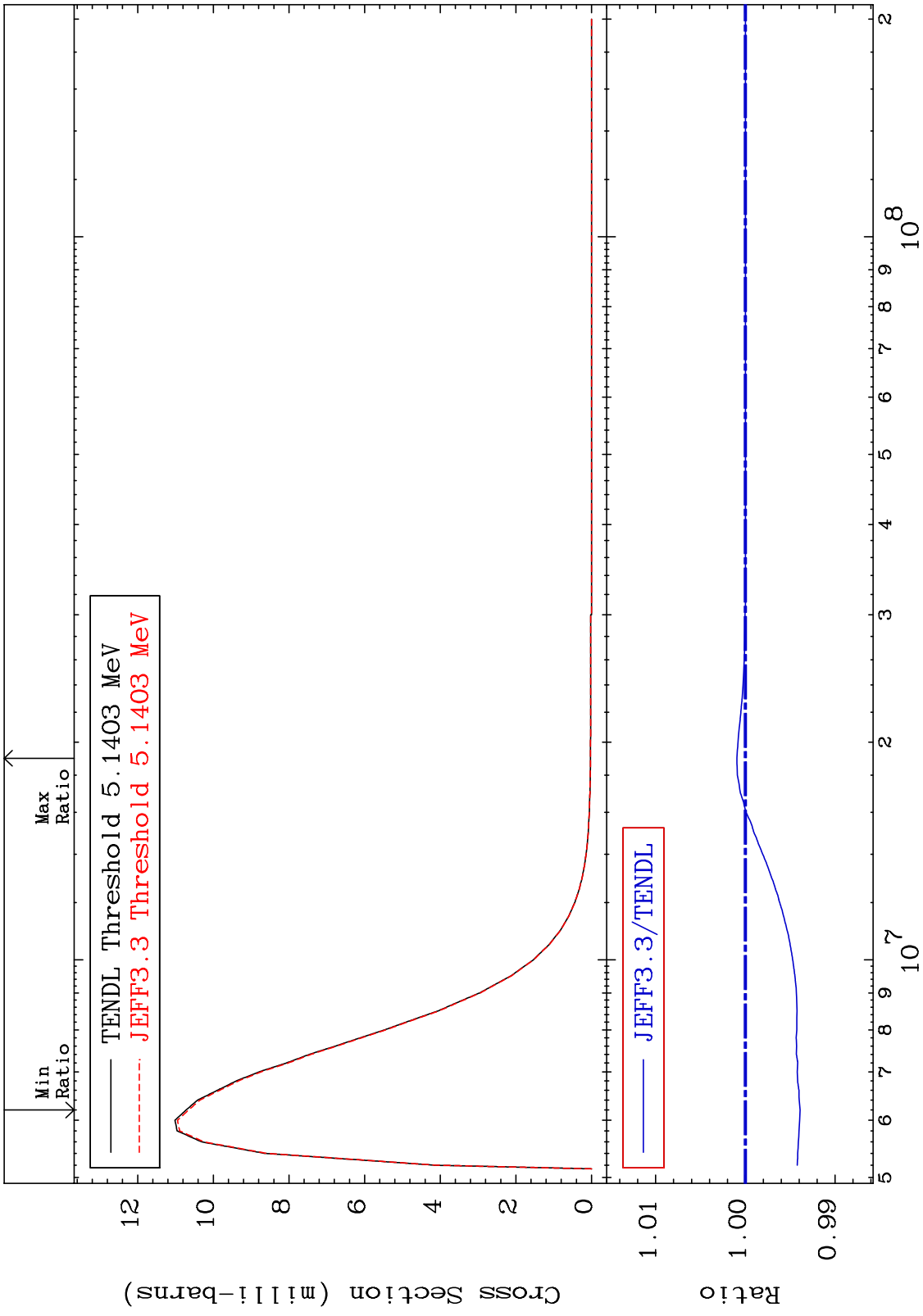
19-K -39
-0.423 To 0.053 %



36

19-K -39

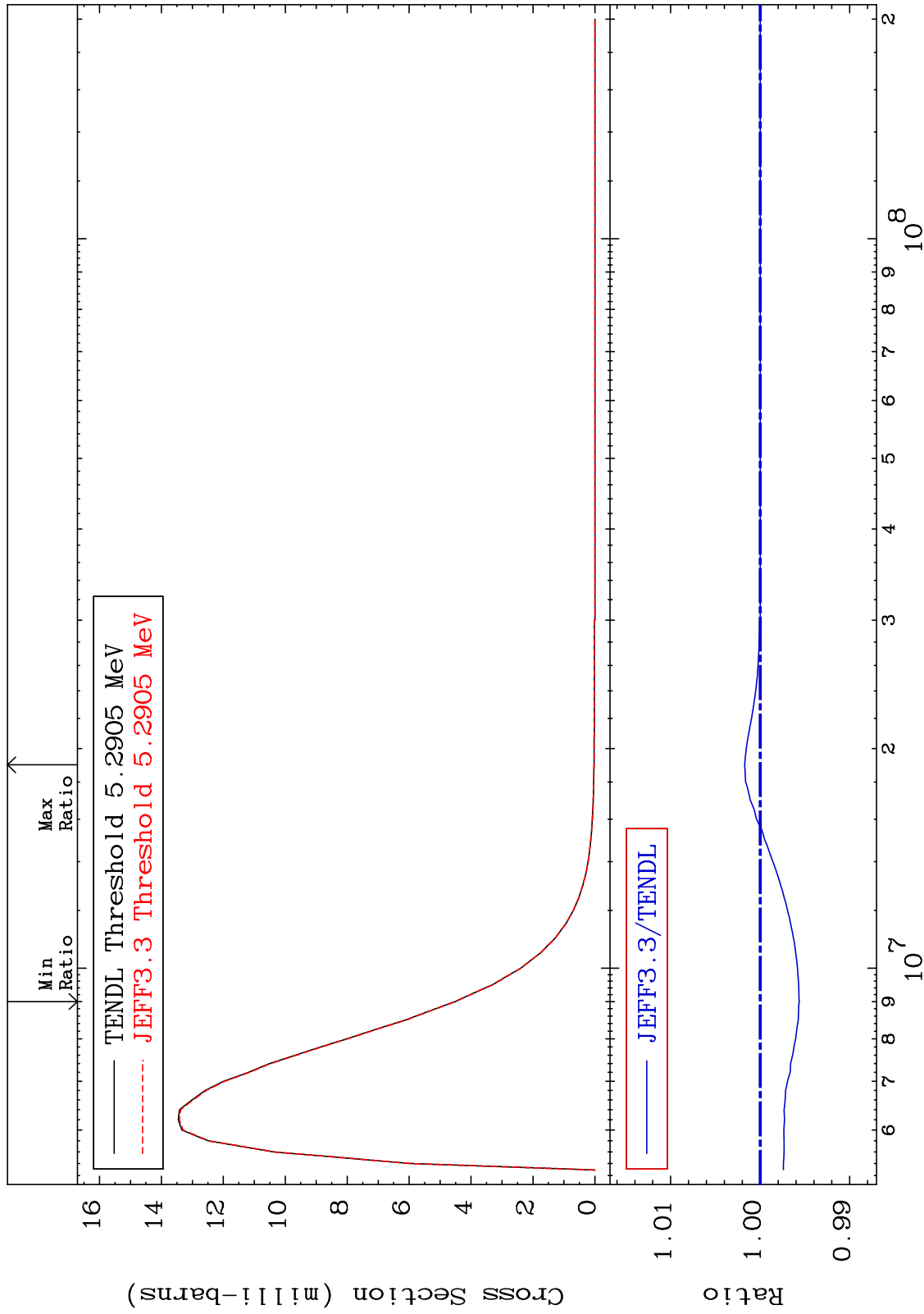
MAT 1925 MT= 70 (n,n') Level Cross Section 19-K -39
 -0.610 To 0.094 %



MAT 1925

MT= 71 (n,n') Level
Cross Section

19-K -39
-0.434 To 0.173 %

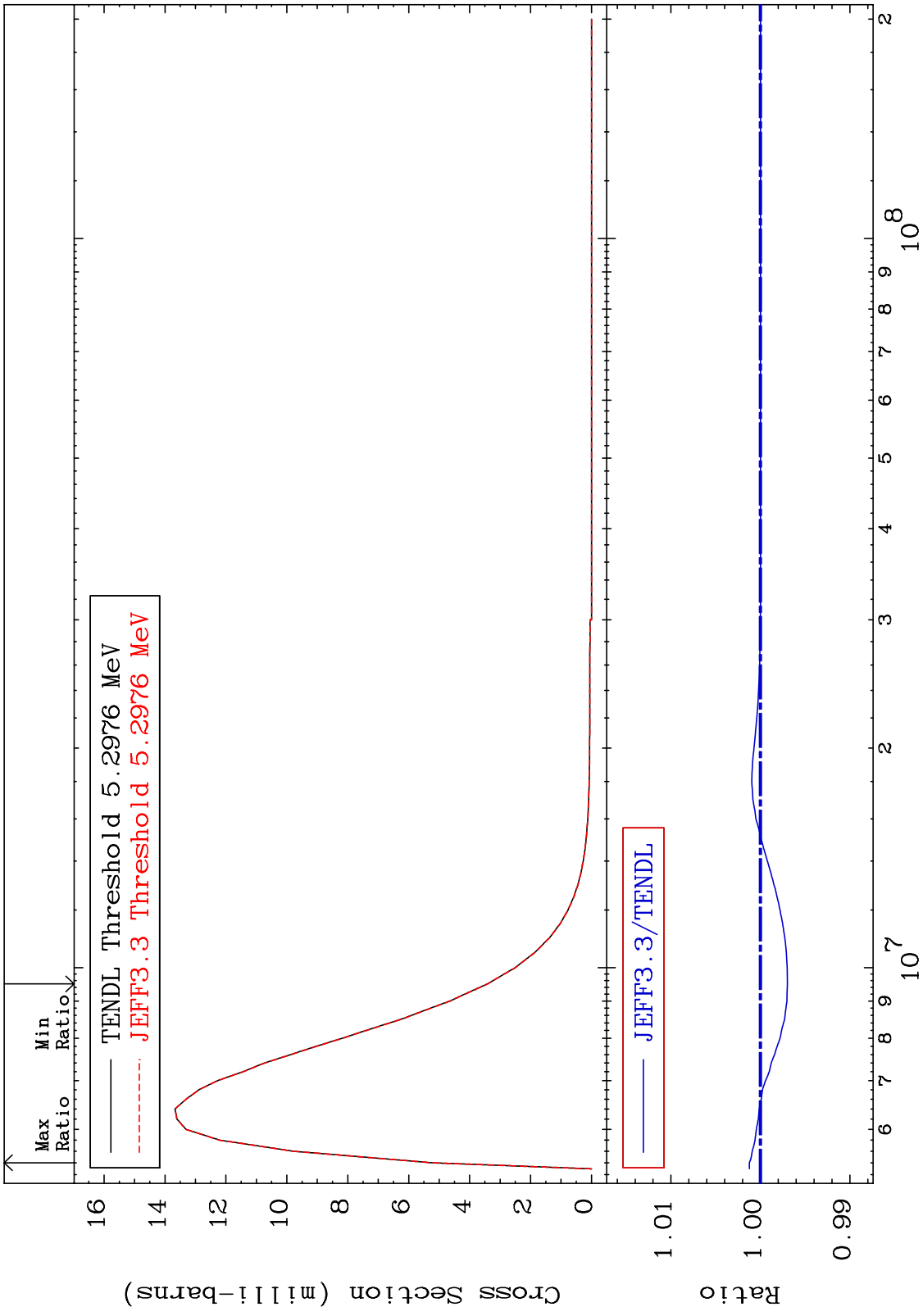


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Incident Energy (eV)

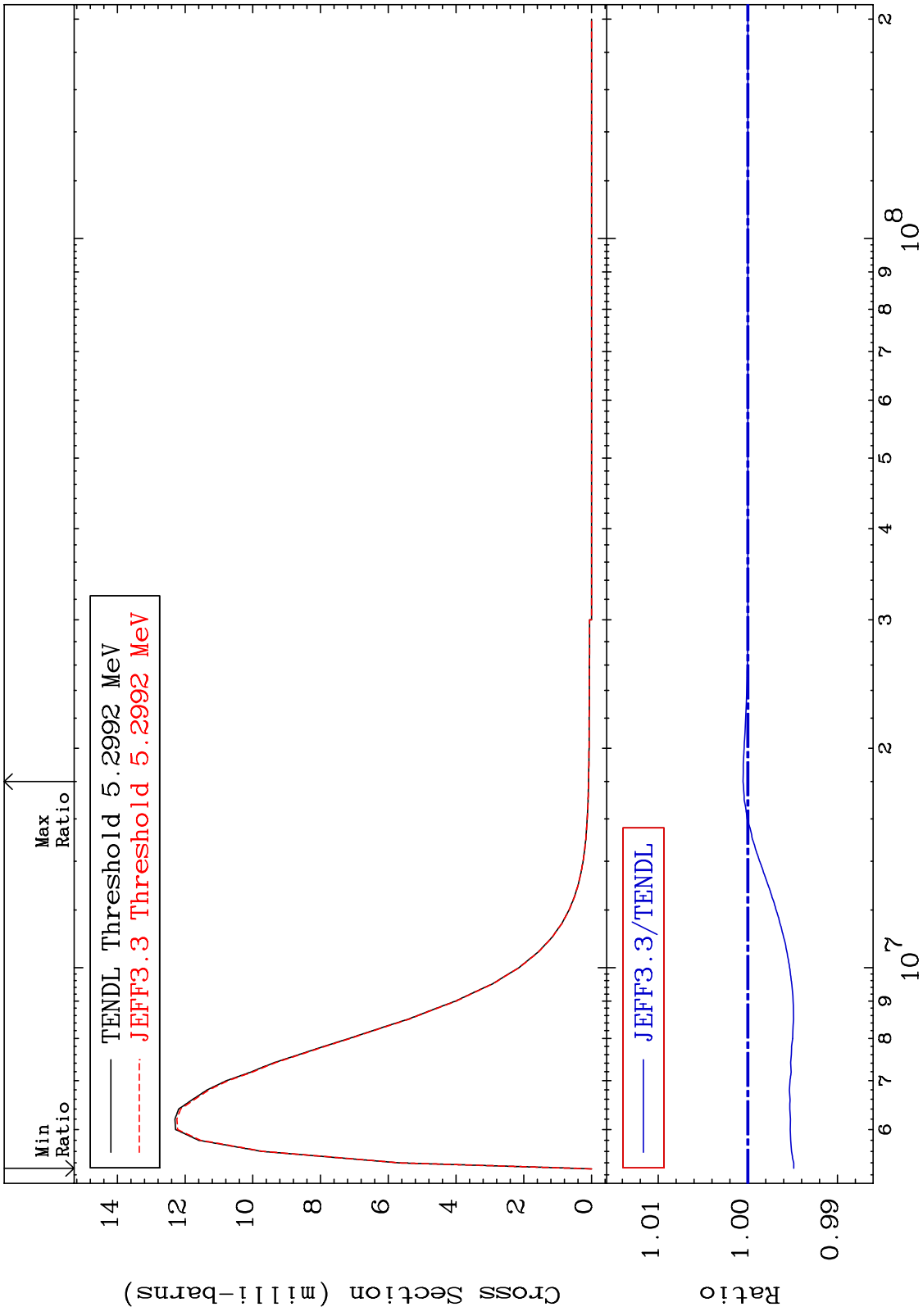
19-K -39

MAT 1925 MT= 72 (n,n') Level Cross Section 19-K -39
 -0.302 To 0.123 %

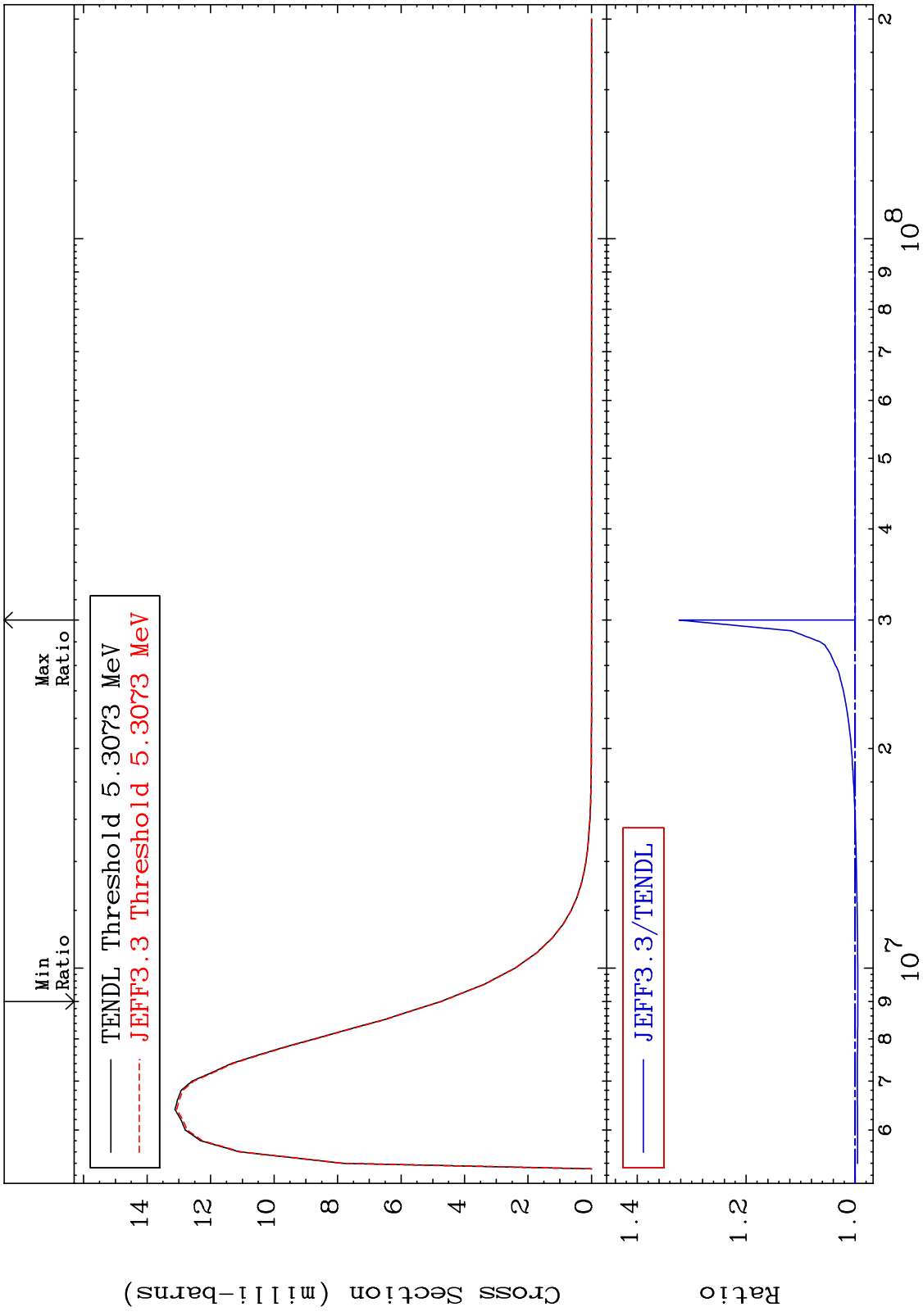


39 Incident Energy (eV) 19-K -39

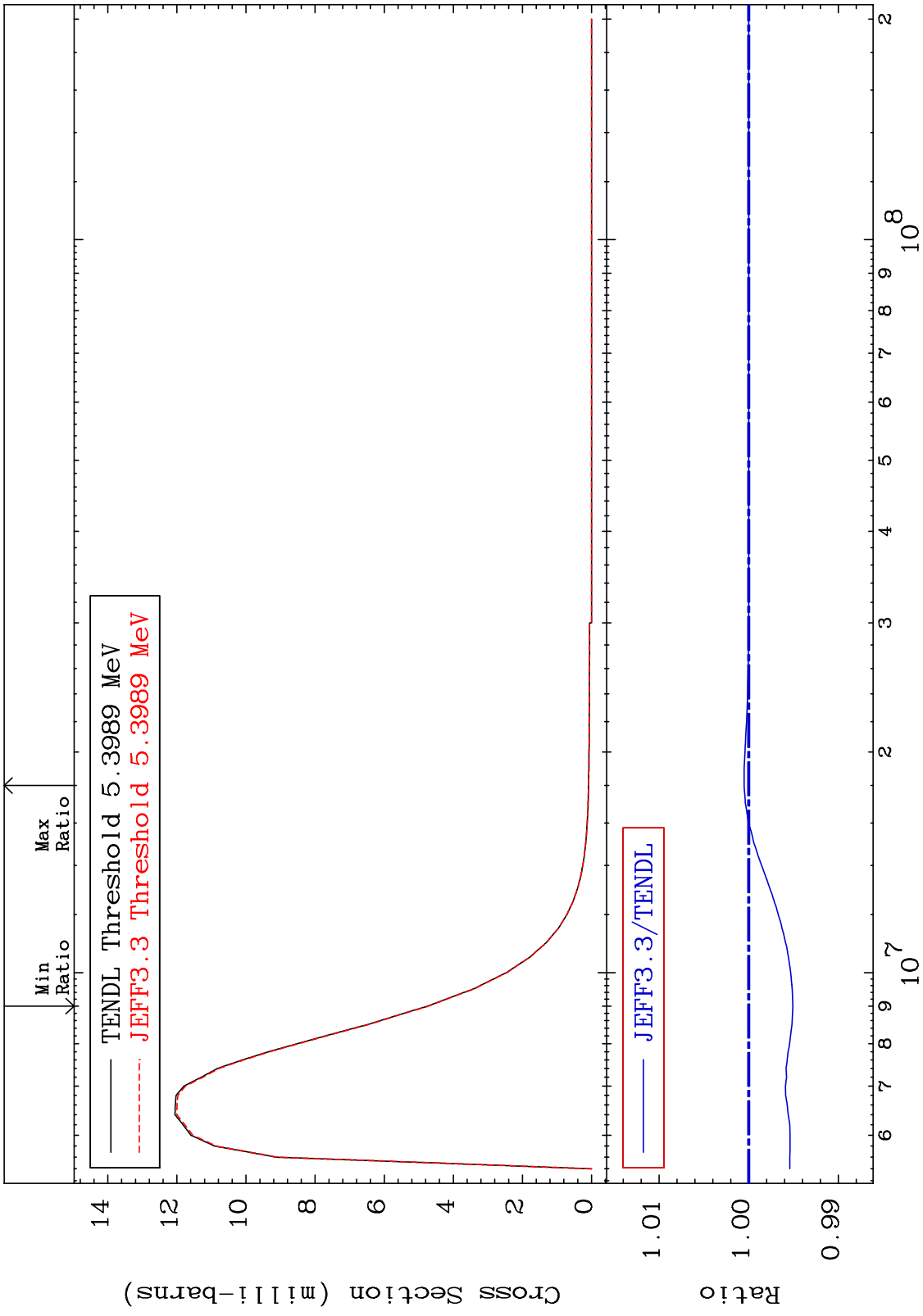
MAT 1925 MT= 73 (n,n') Level Cross Section 19-K -39
 -0.513 To 0.054 %



MAT 1925 MT= 74 (n,n') Level Cross Section -0.500 To 32.32 % 19-K -39



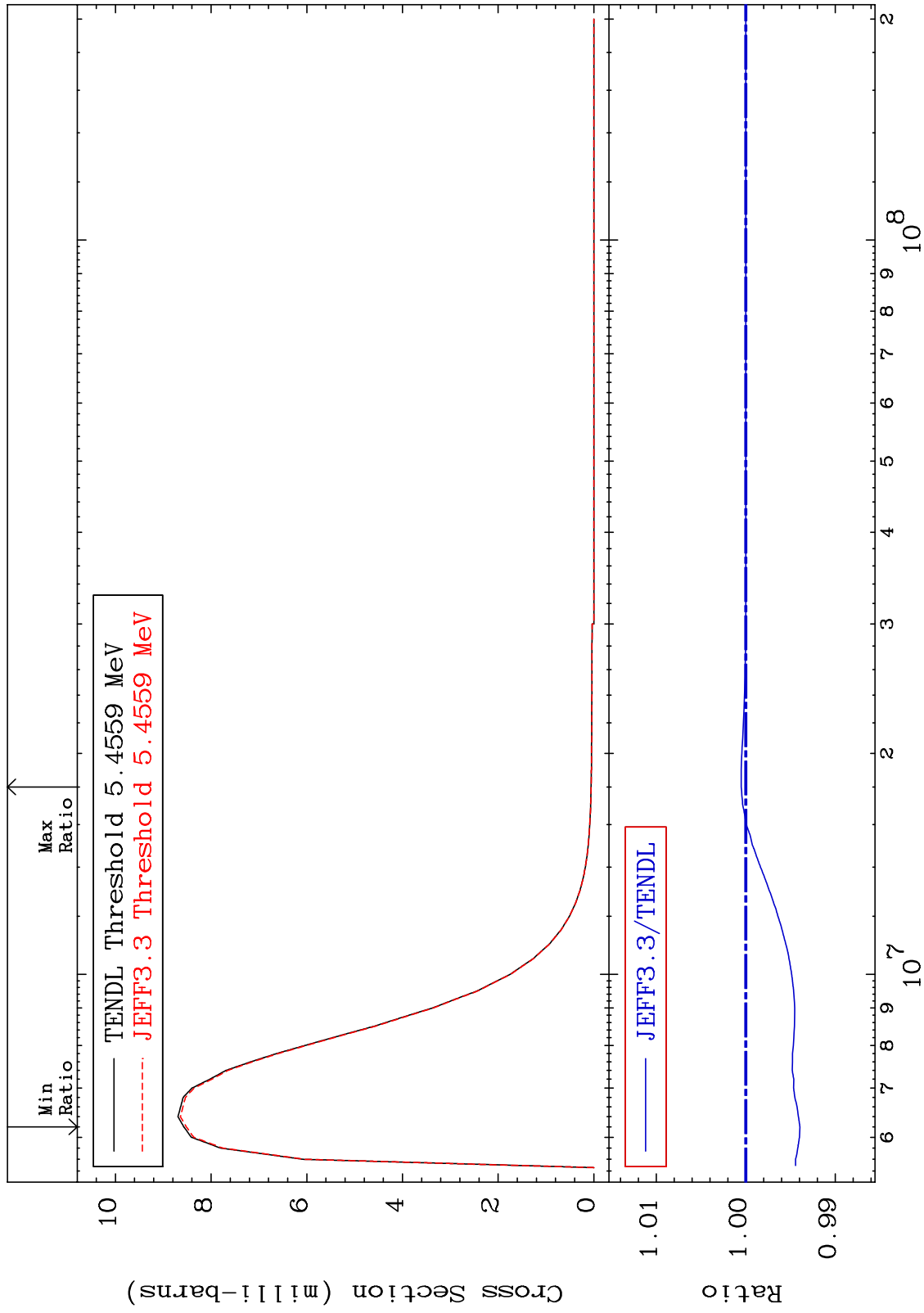
MAT 1925 MT= 75 (n,n') Level Cross Section 19-K -39
 -0.492 To 0.052 %



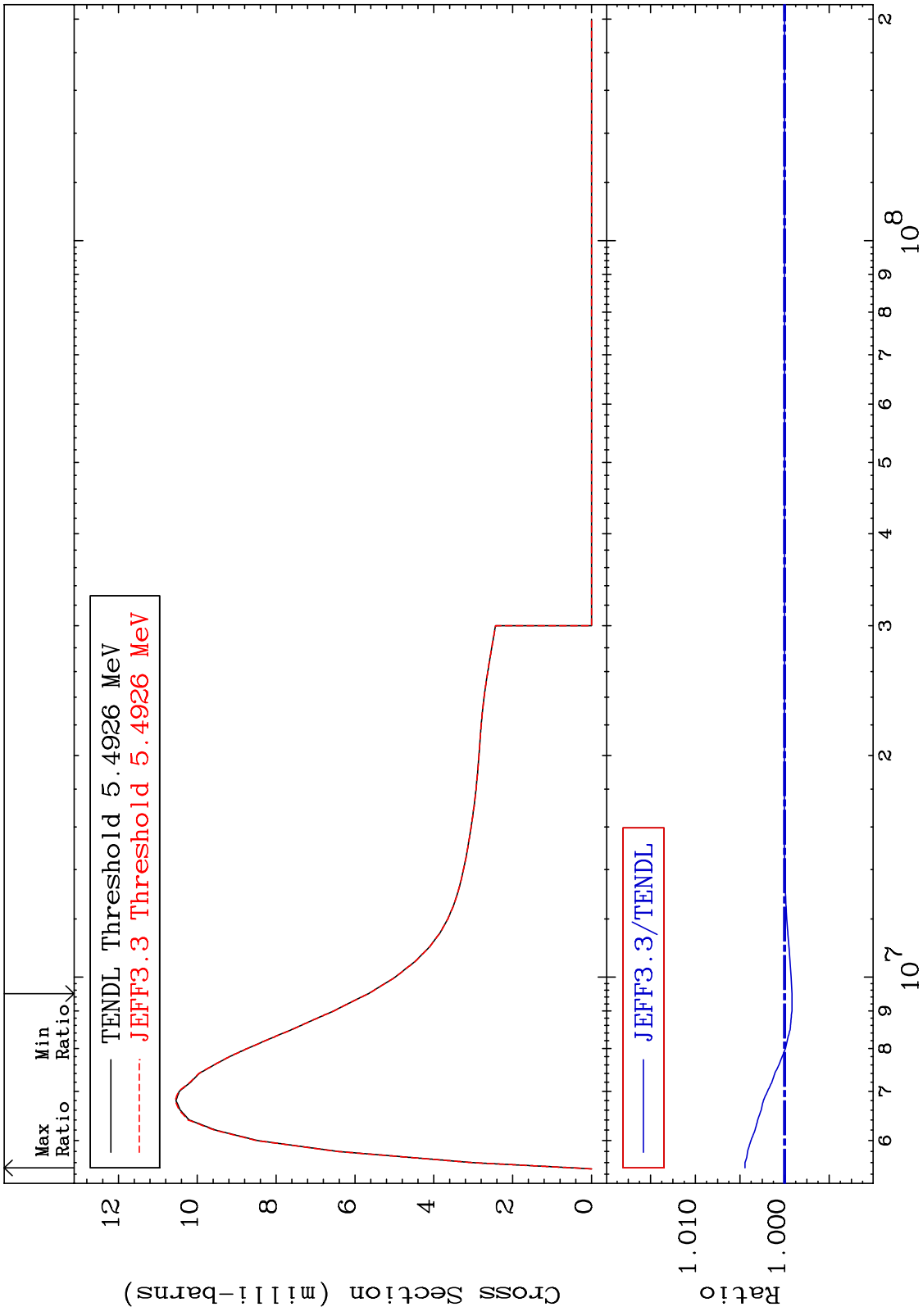
MAT 1925

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

19-K -39
-0.605 To 0.052 %



MAT 1925 MT= 77 (n,n') Level 19-K -39
 Cross Section -0.083 To 0.443 %

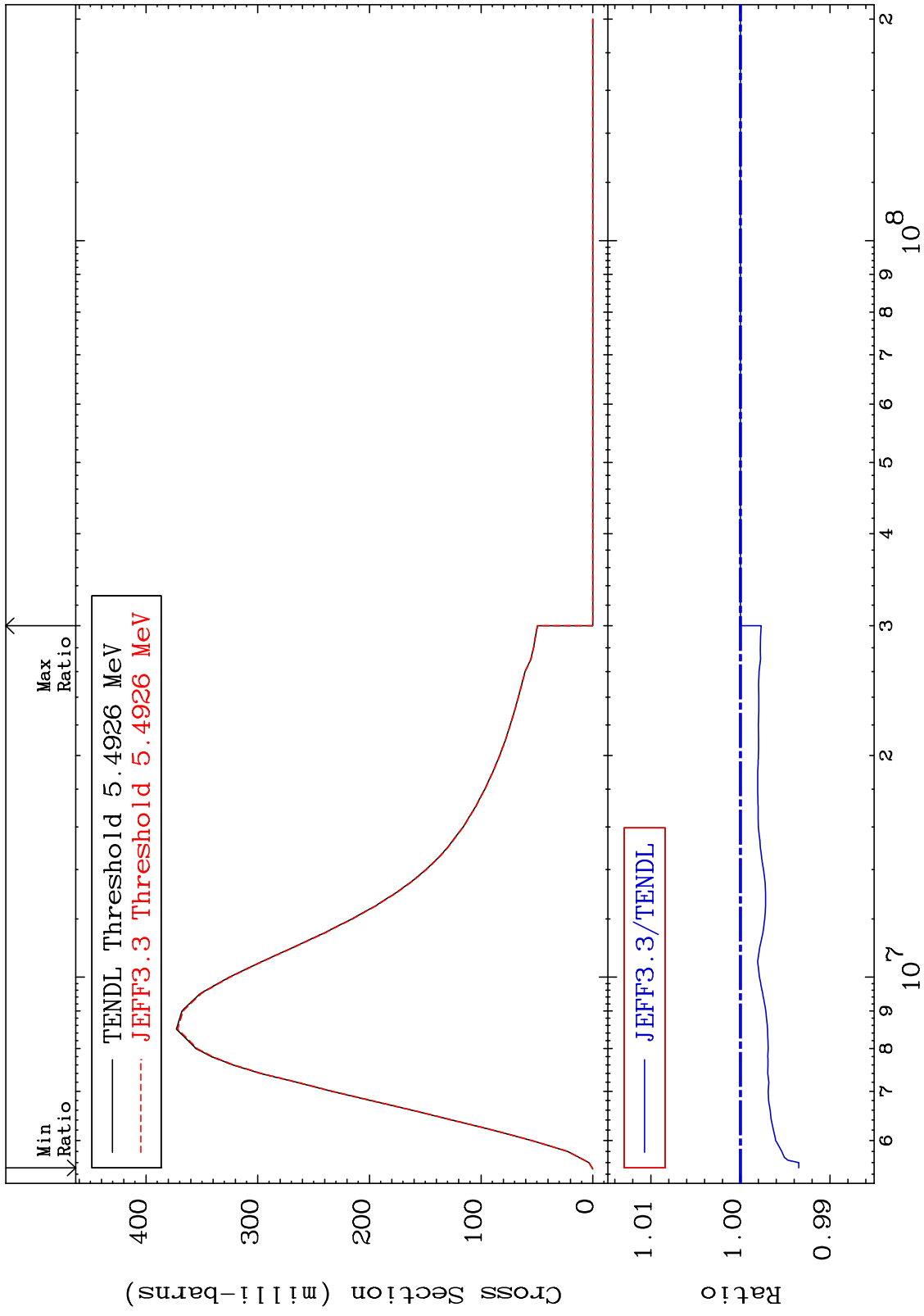


MAT 1925

(n,n') Continuum
Cross Section

19-K -39

-0.650 To 0.000 %



19-K -39

Incident Energy (eV)

45

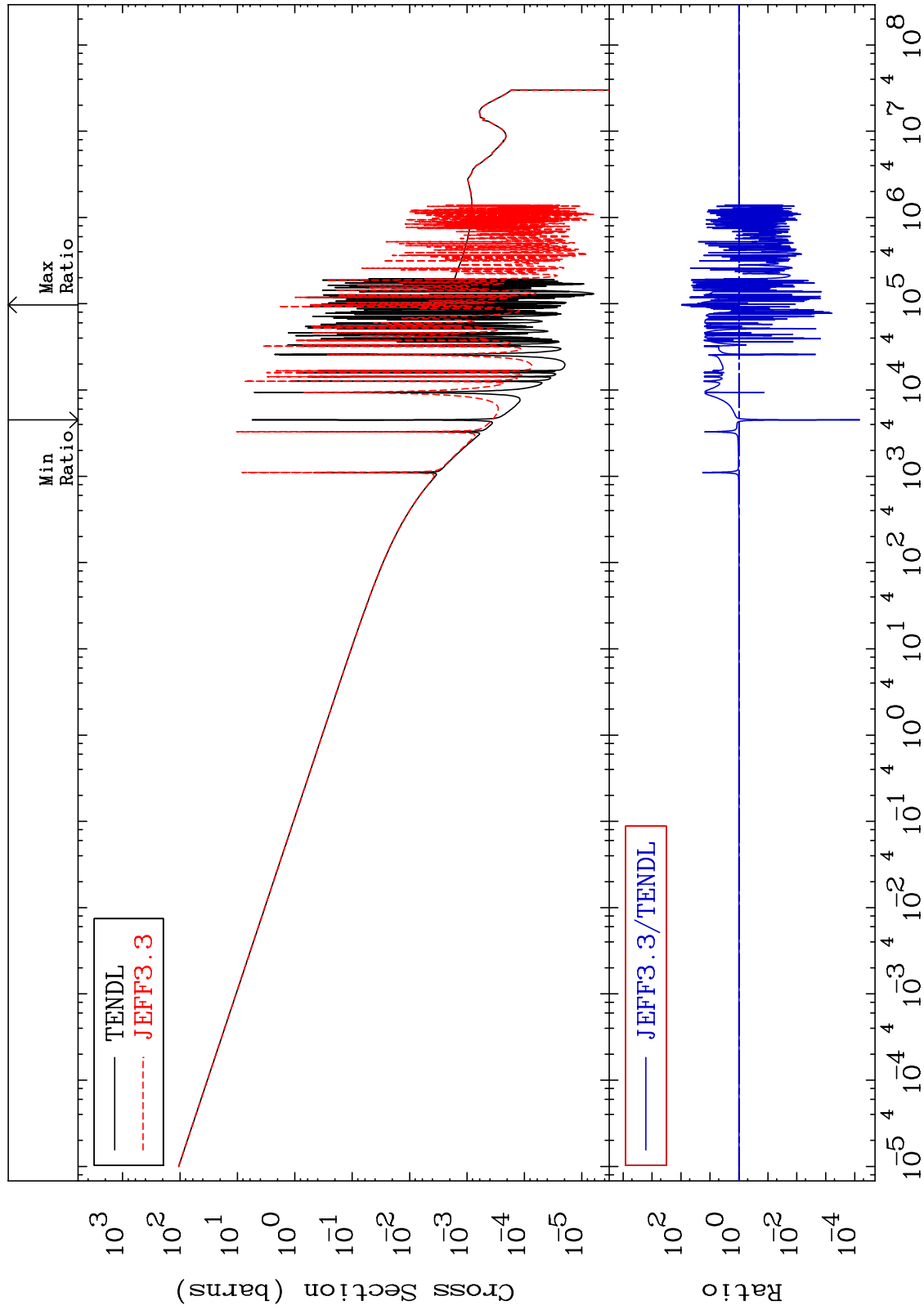
MAT 1925

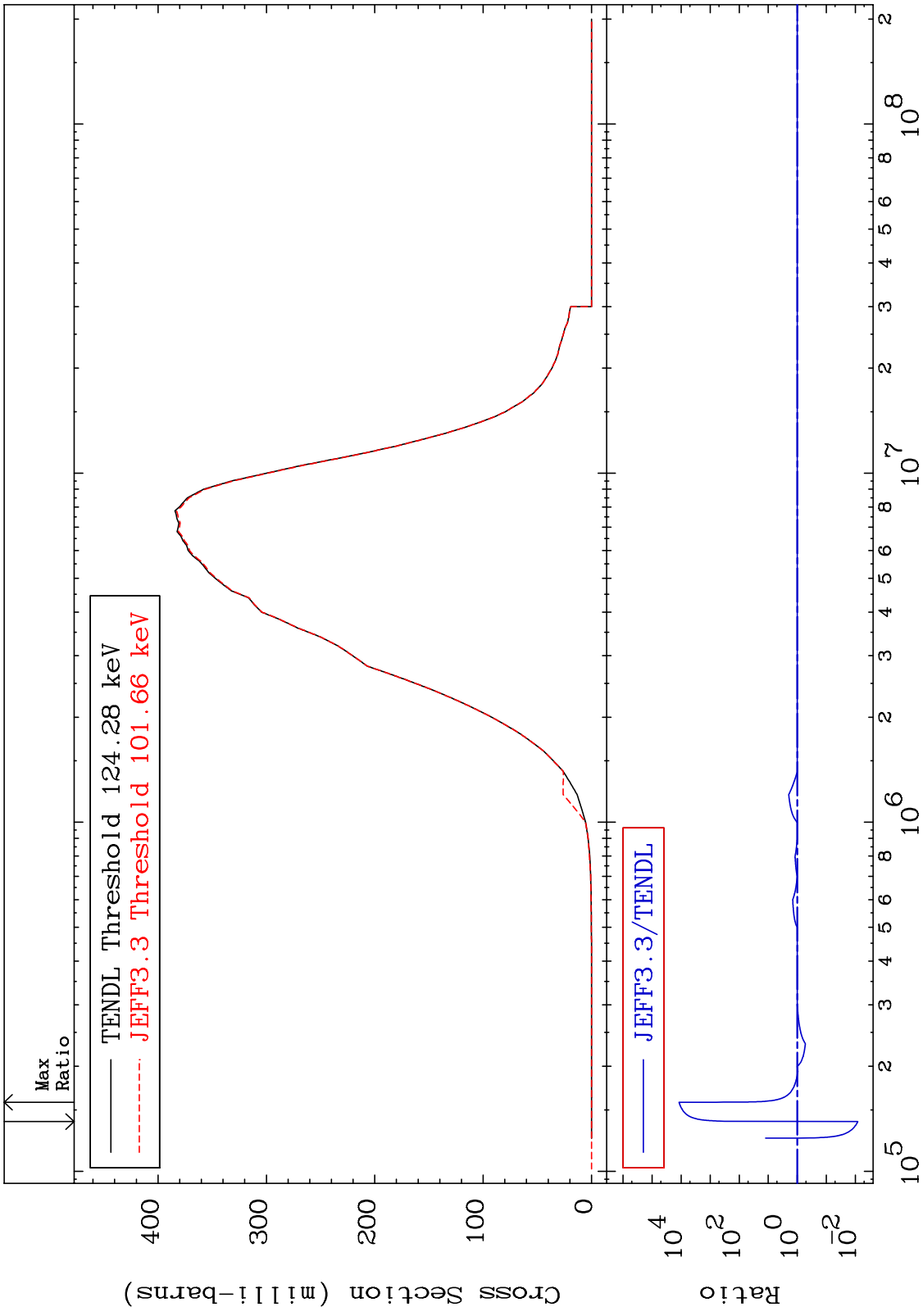
(n, γ)

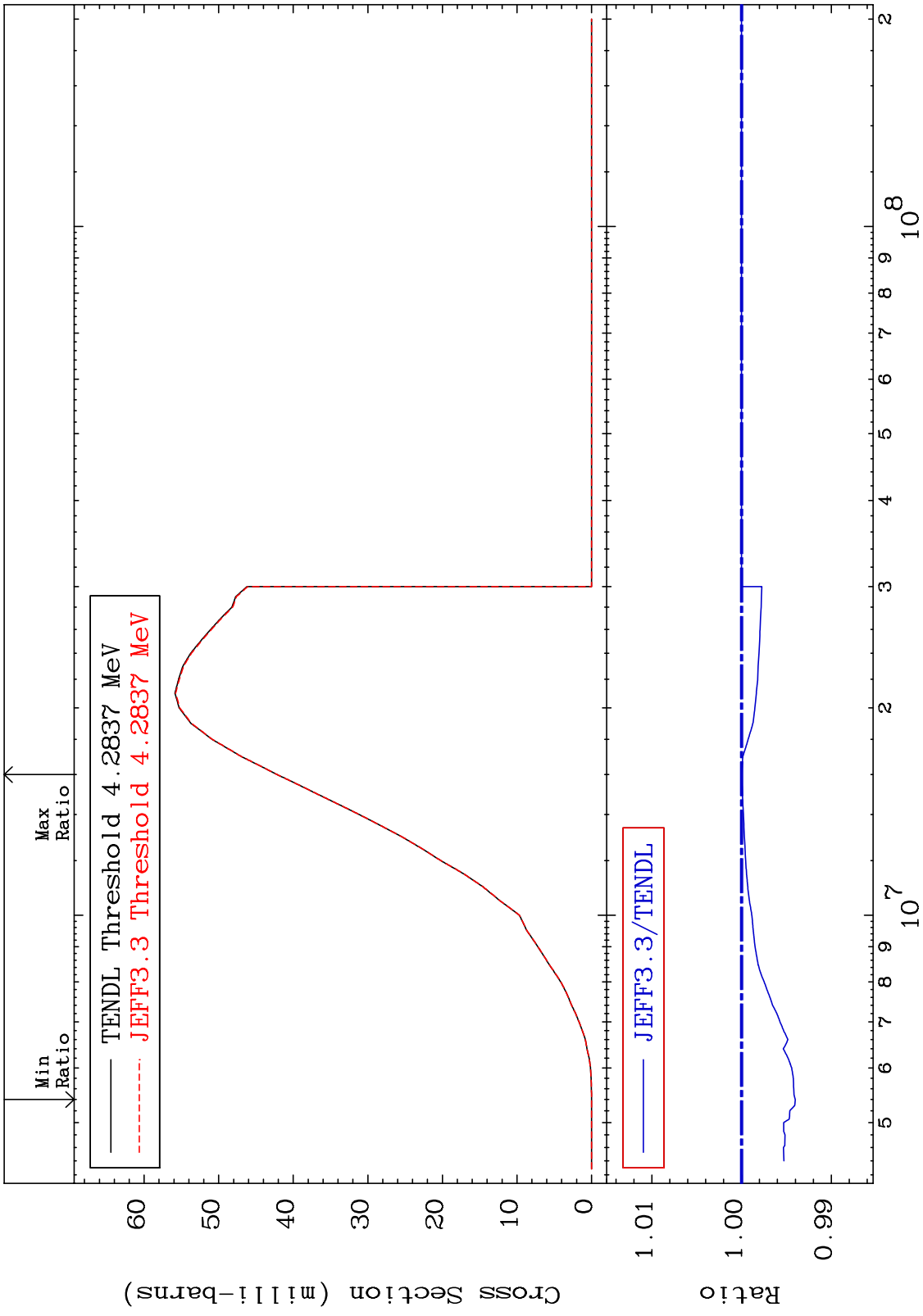
19-K -39

Cross Section

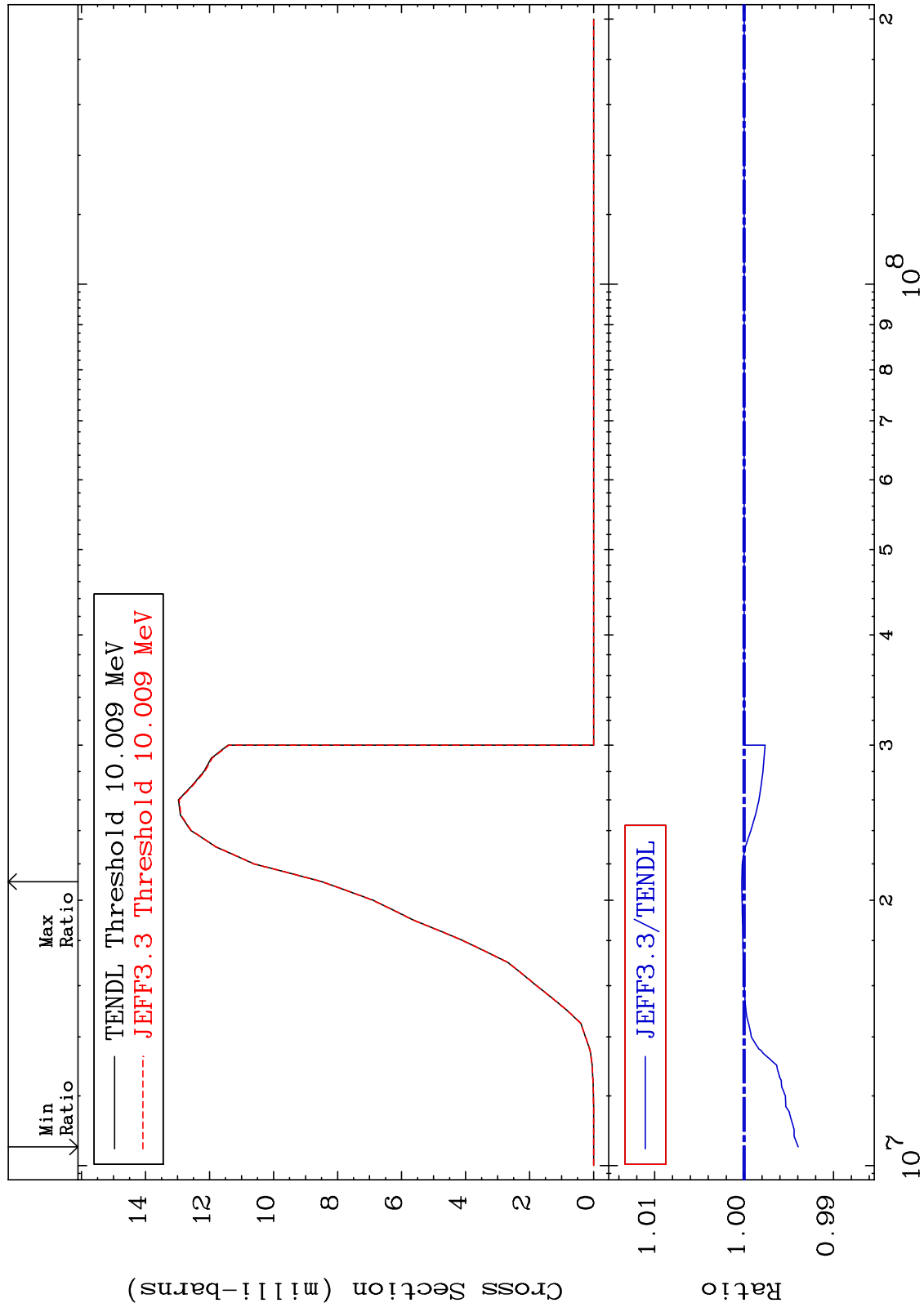
-99.99 To 9549. %







MAT 1925 (n,t) 19-K -39
Cross Section -0.605 To 0.026 %



49 19-K -39

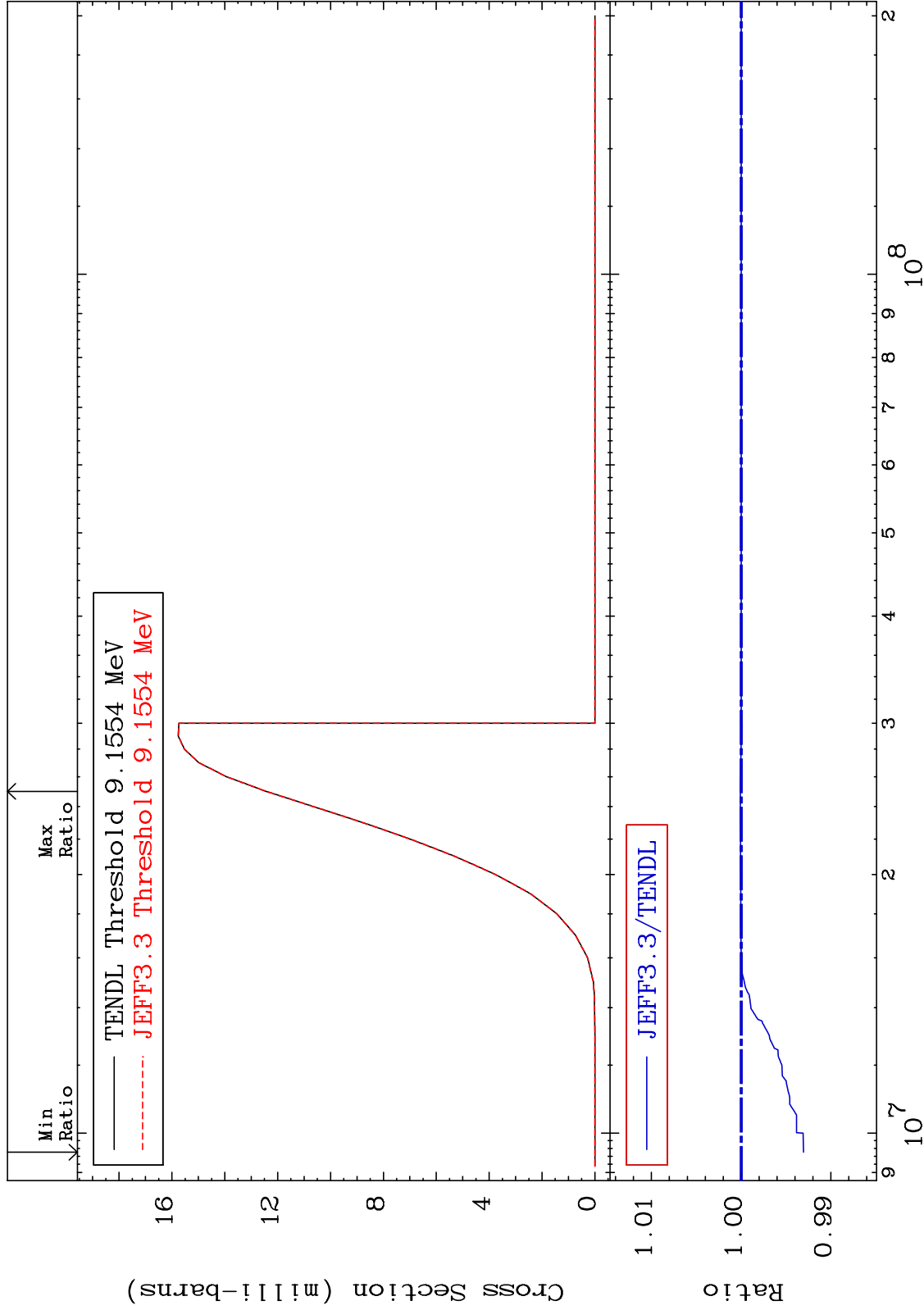
MAT 1925

(n, He-3)

19-K -39

Cross Section

-0.694 To 0.010 %



50

Incident Energy (eV)

19-K -39

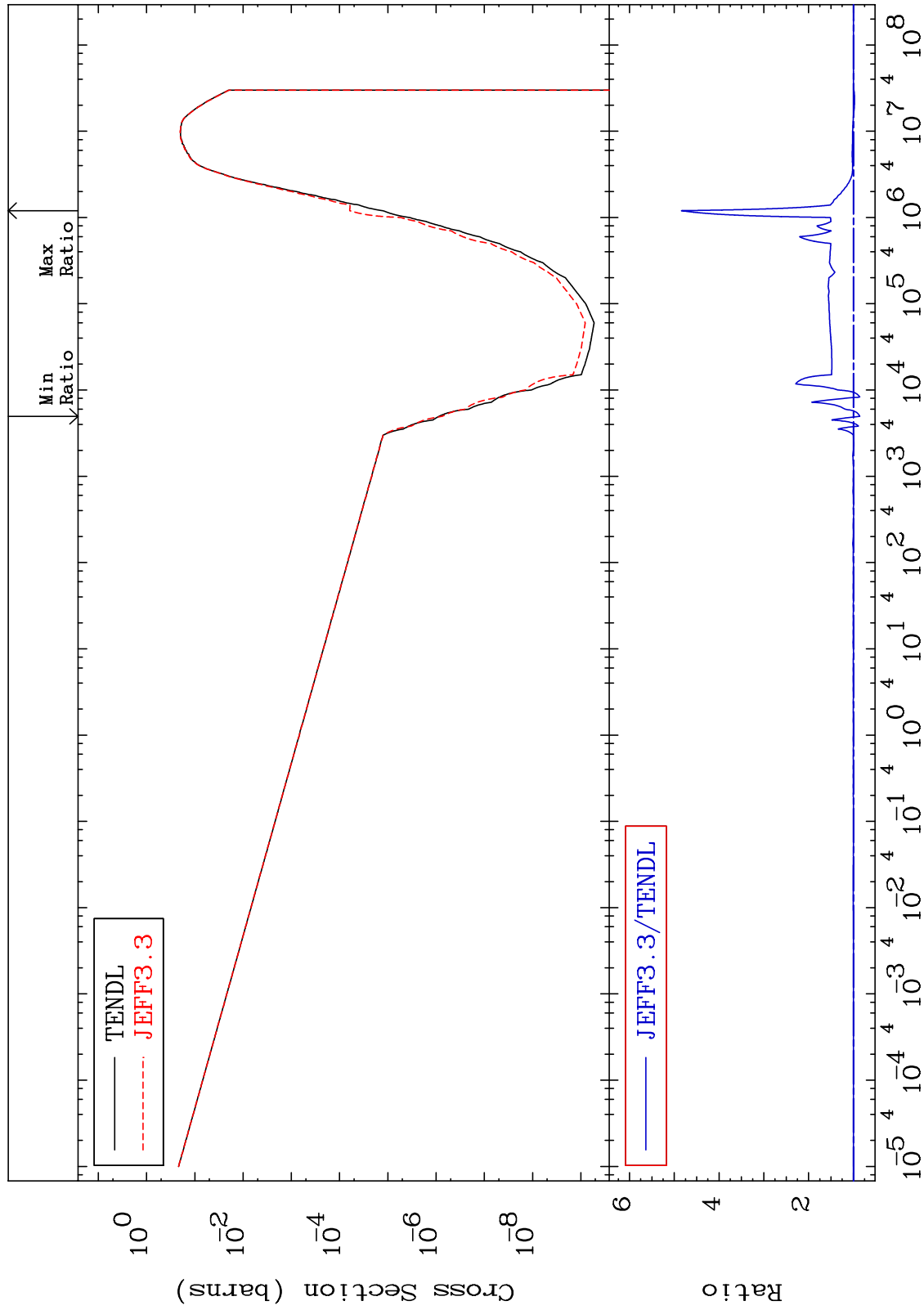
MAT 1925

(n, α)

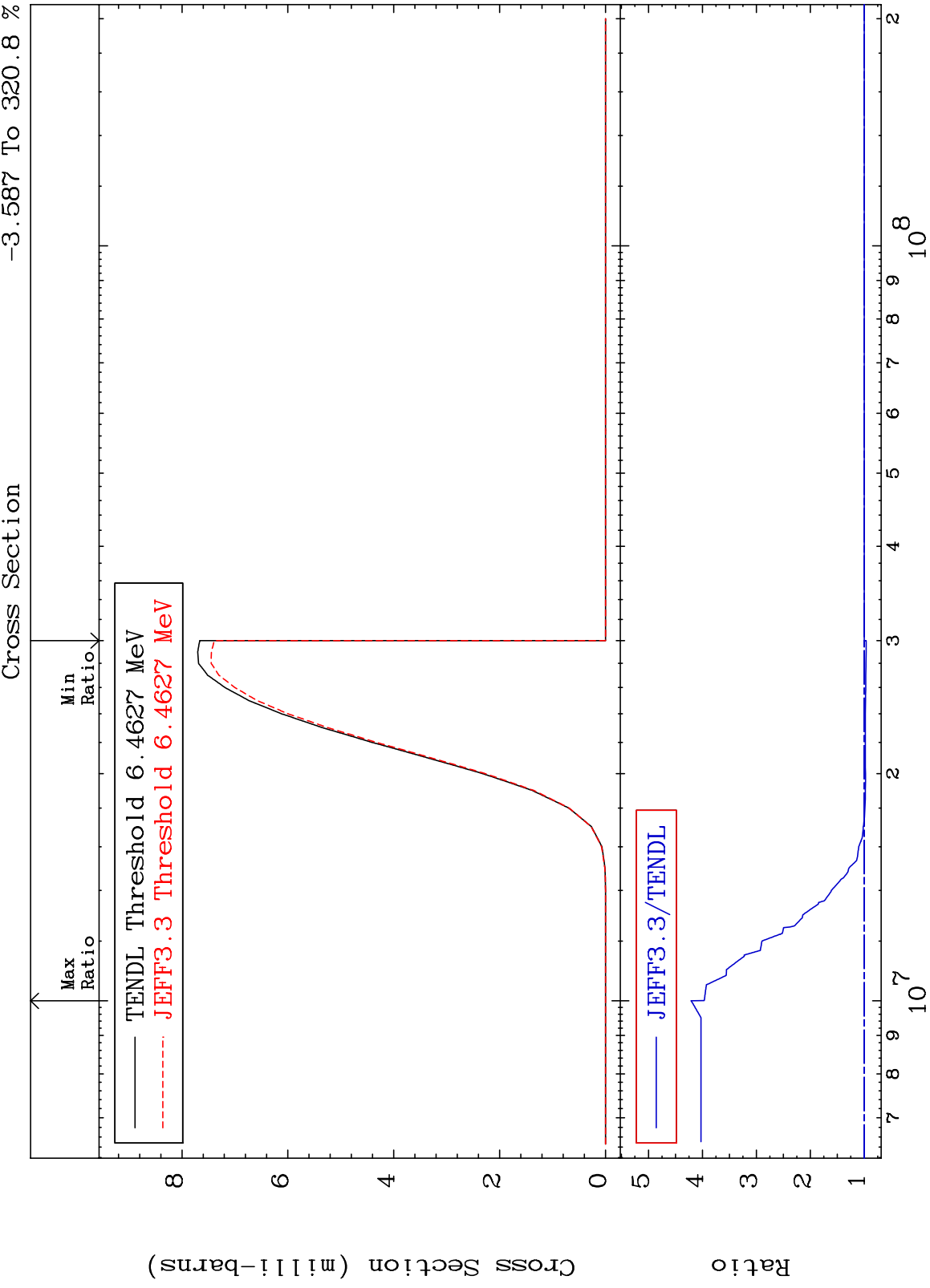
19-K -39

Cross Section

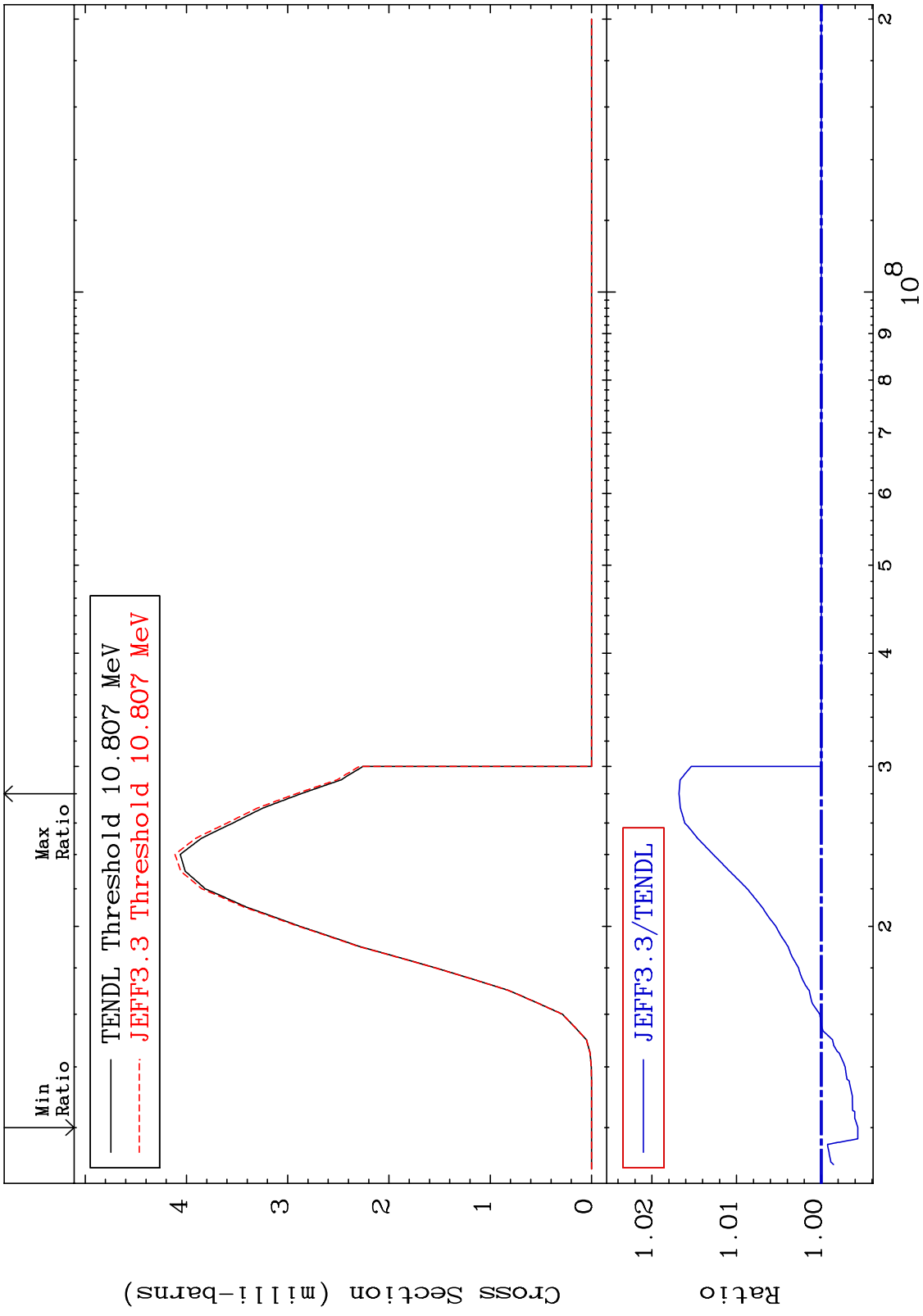
-14.40 To 384.0 %



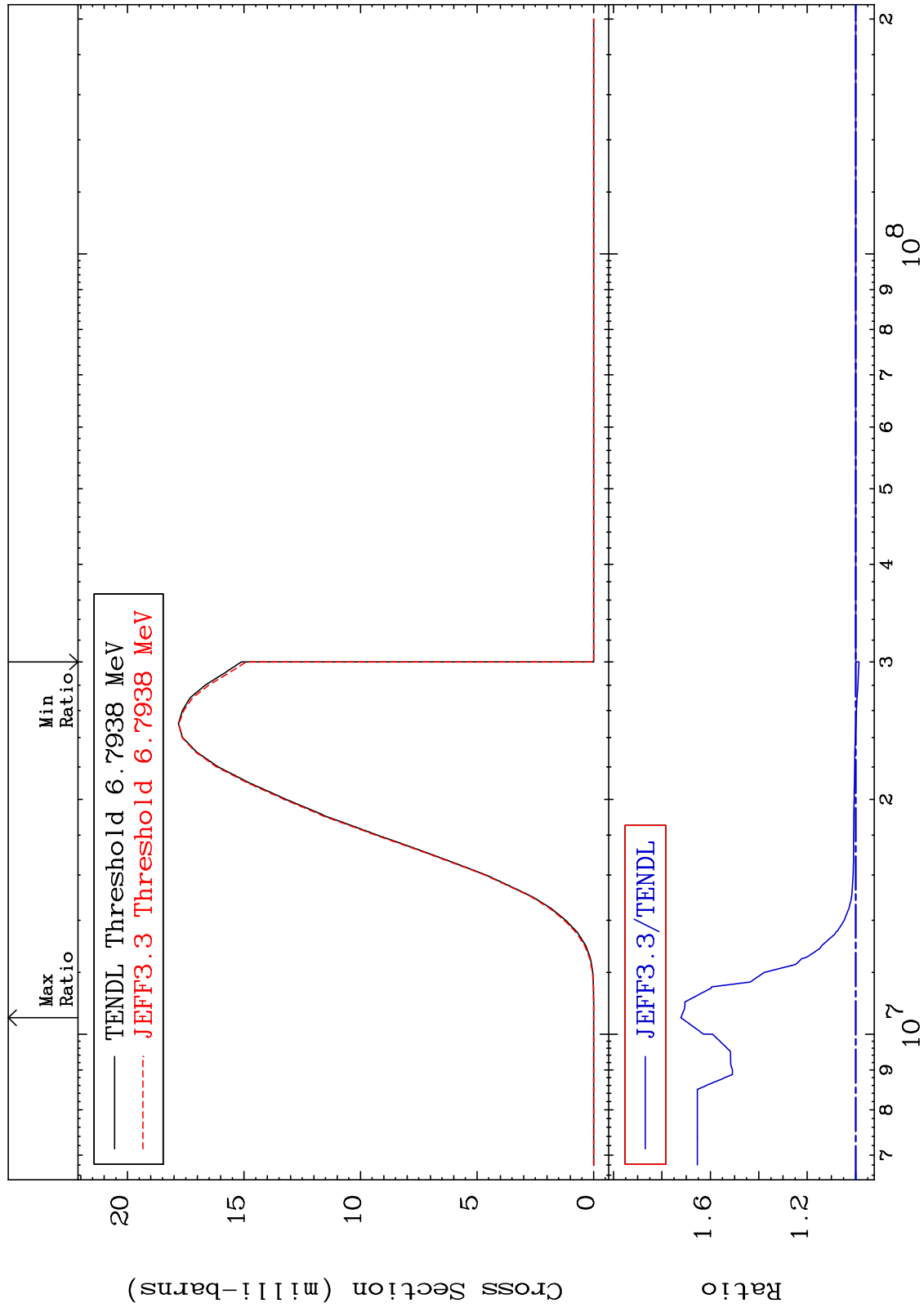
MAT 1925 (n,2α) 19-K -39
-3.587 To 320.8 %

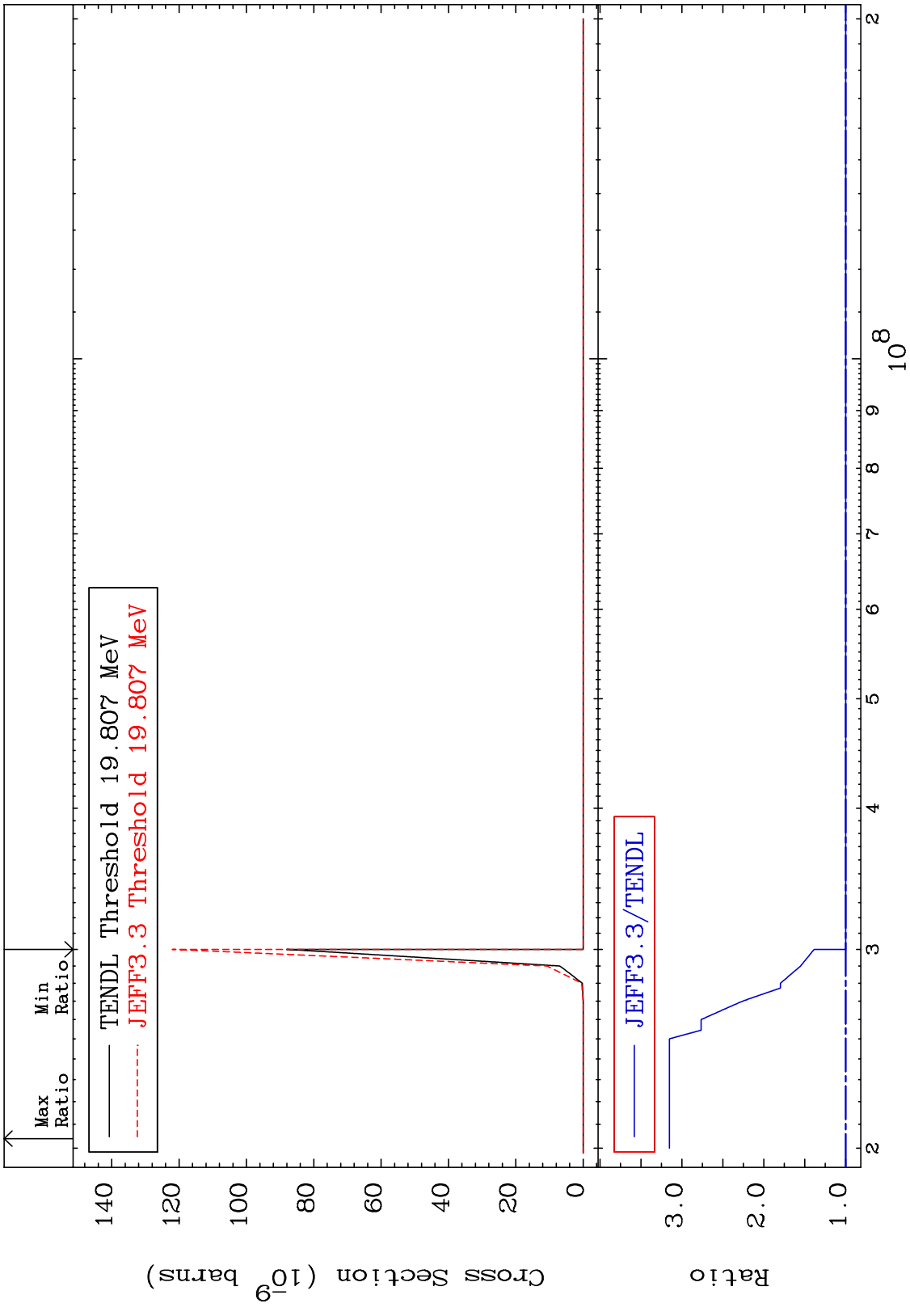


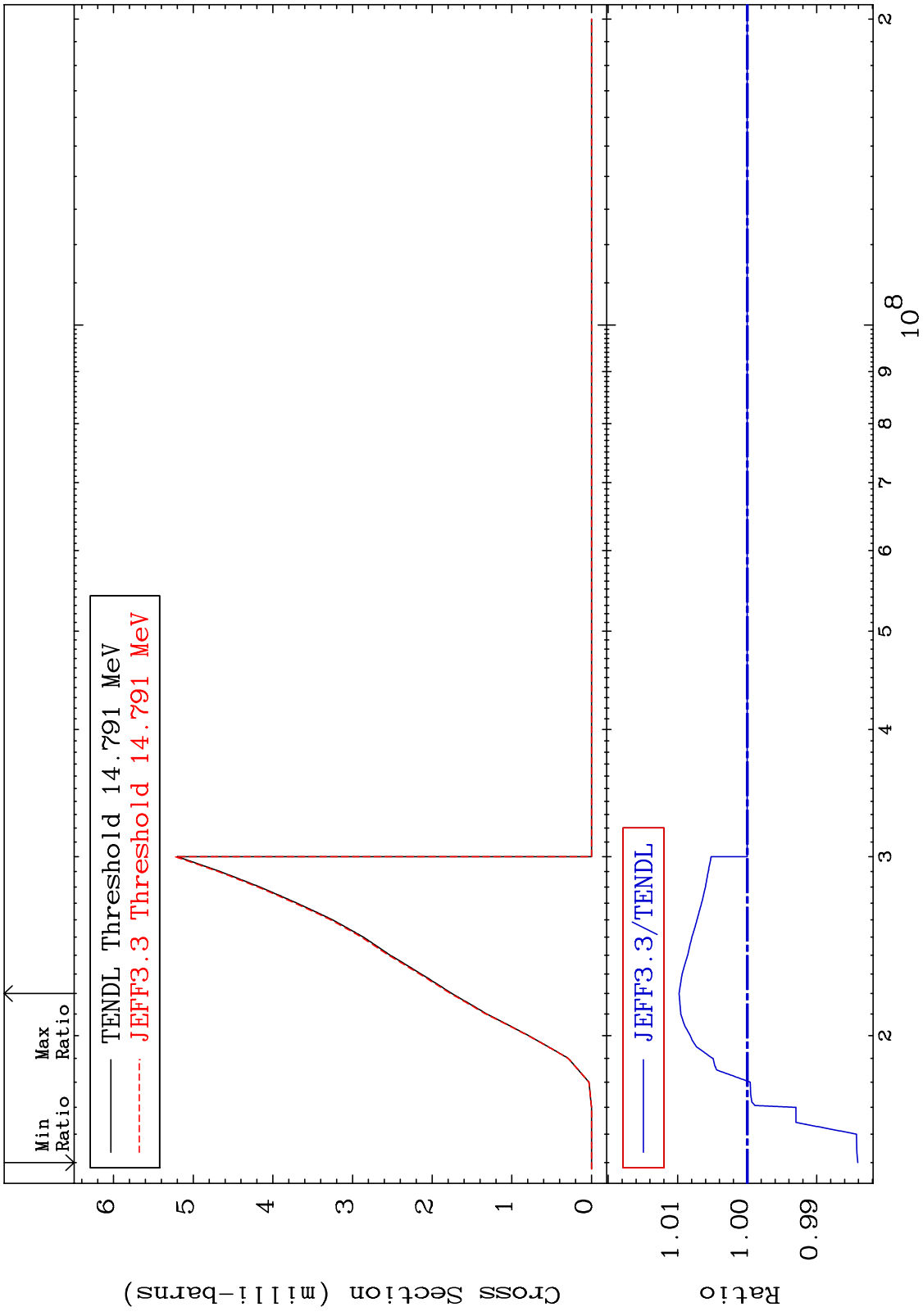
52 19-K -39

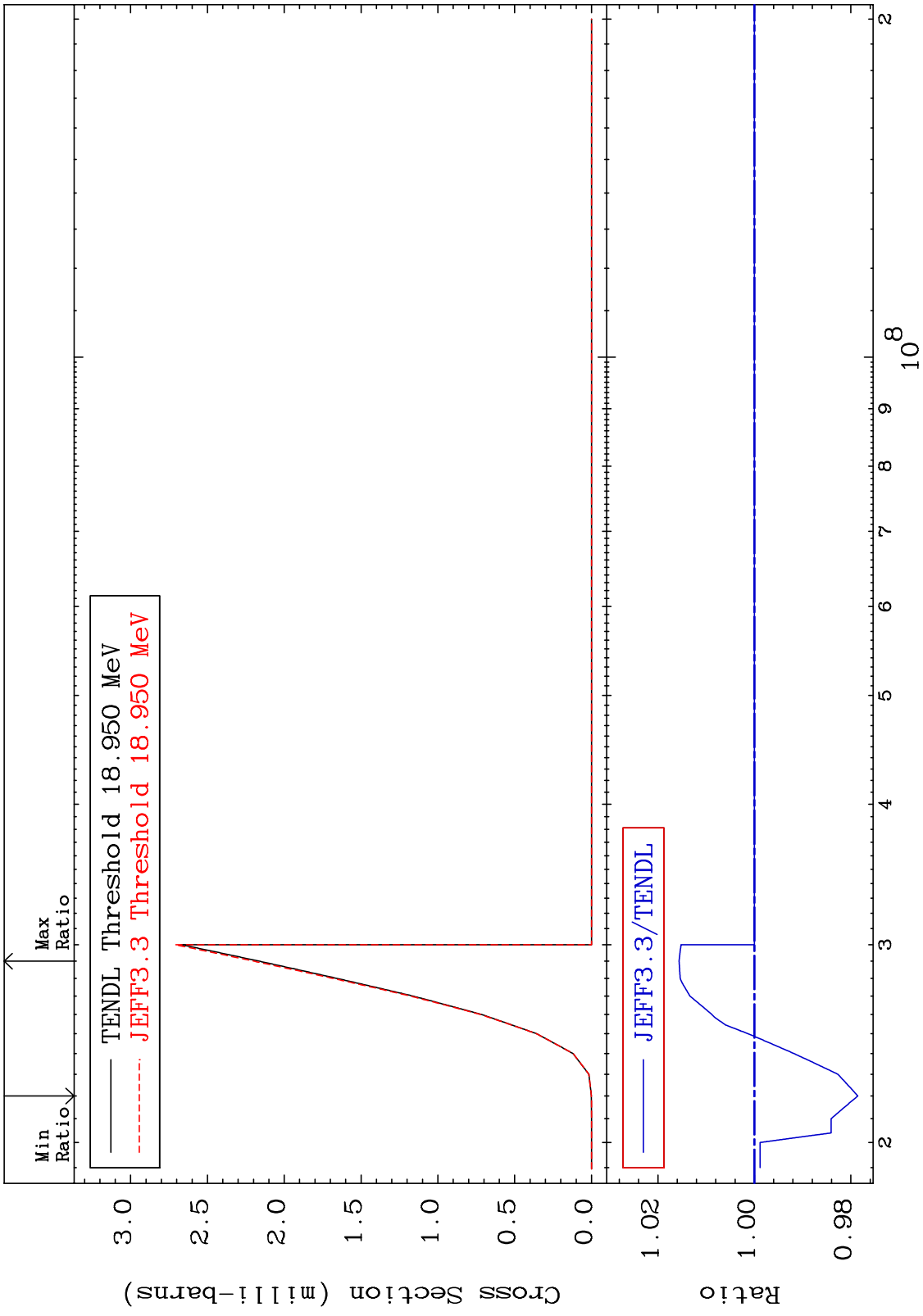


MAT 1925 (n,p) α 19-K -39
Cross Section -1.401 To 72.18 %

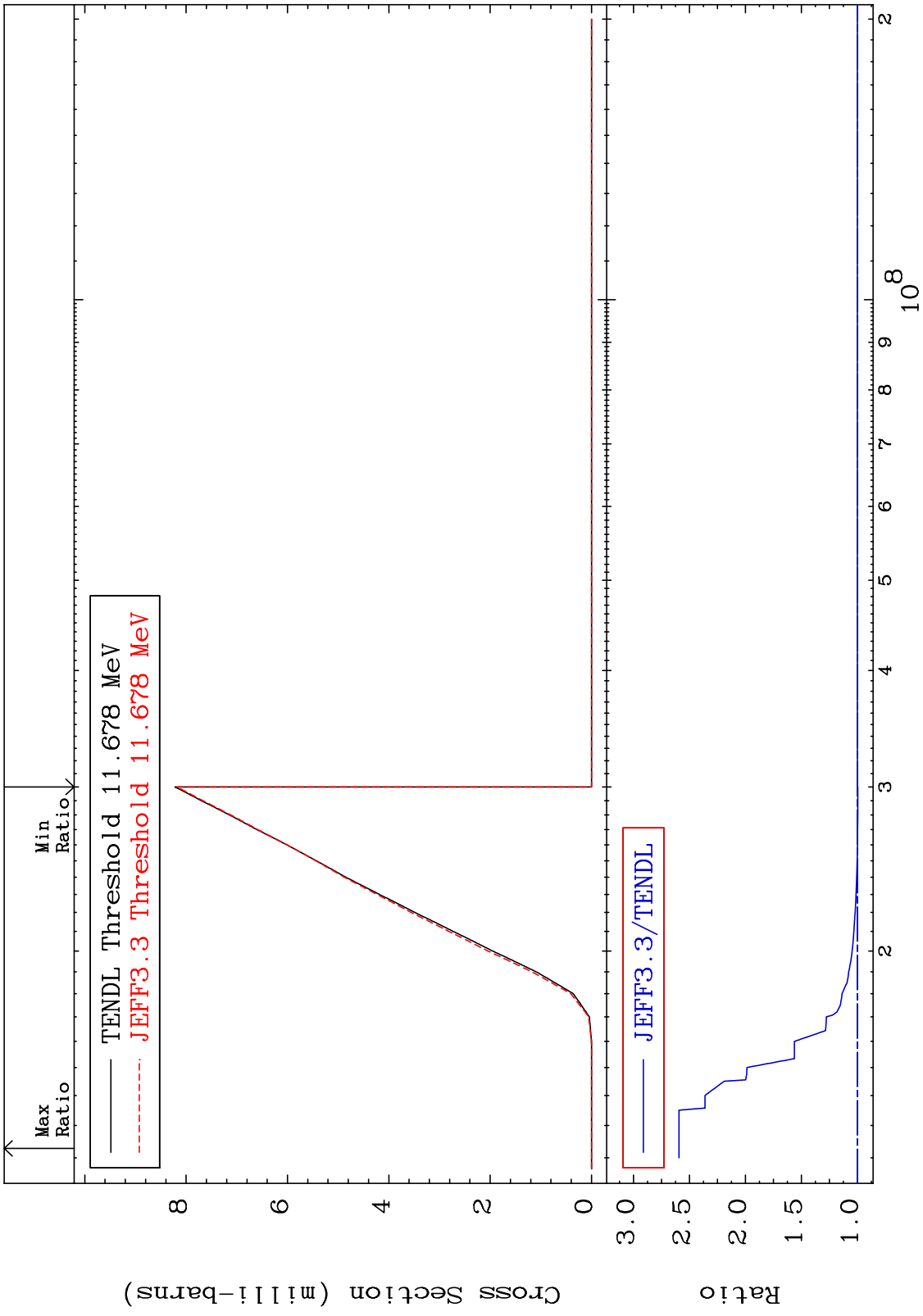


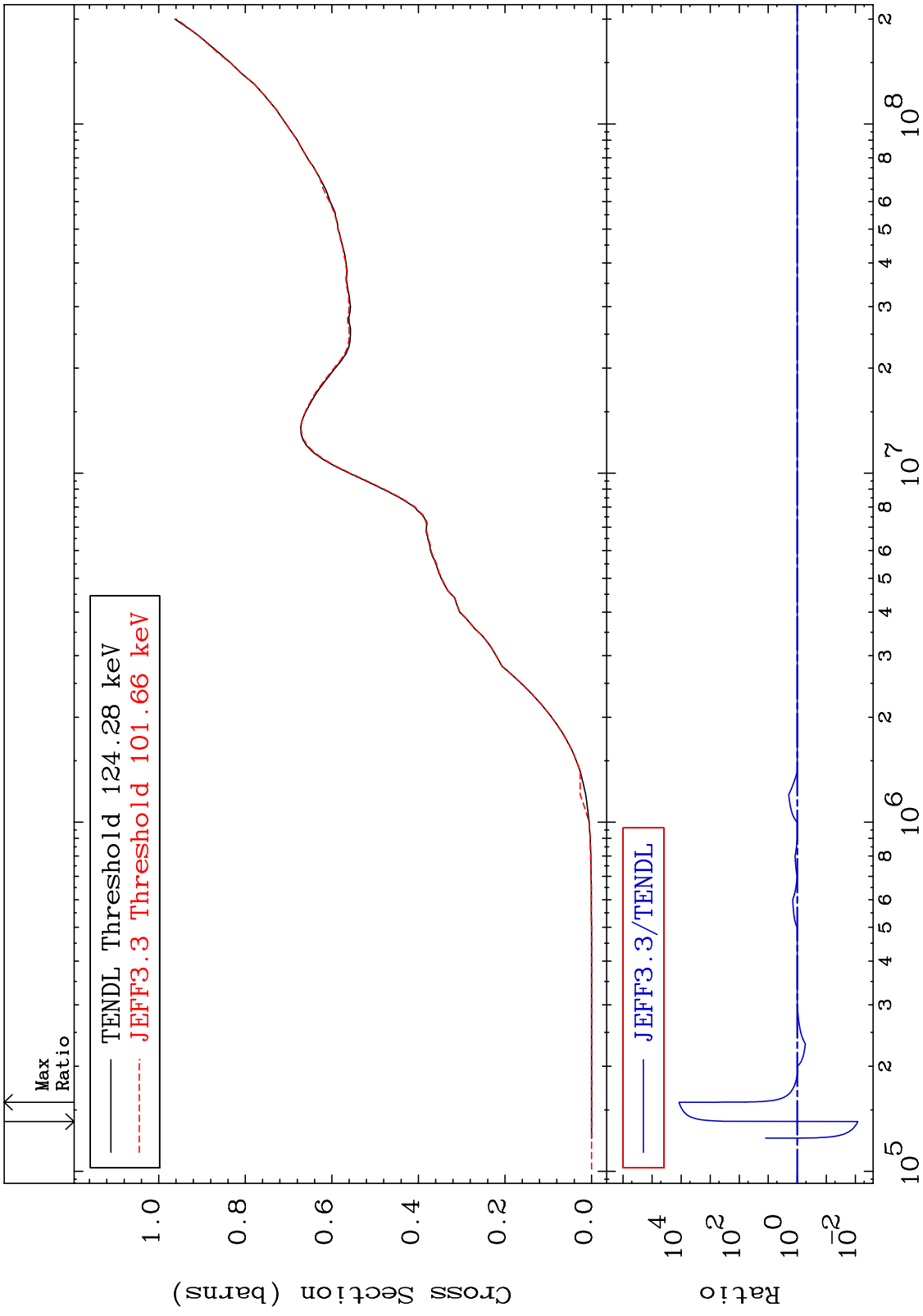




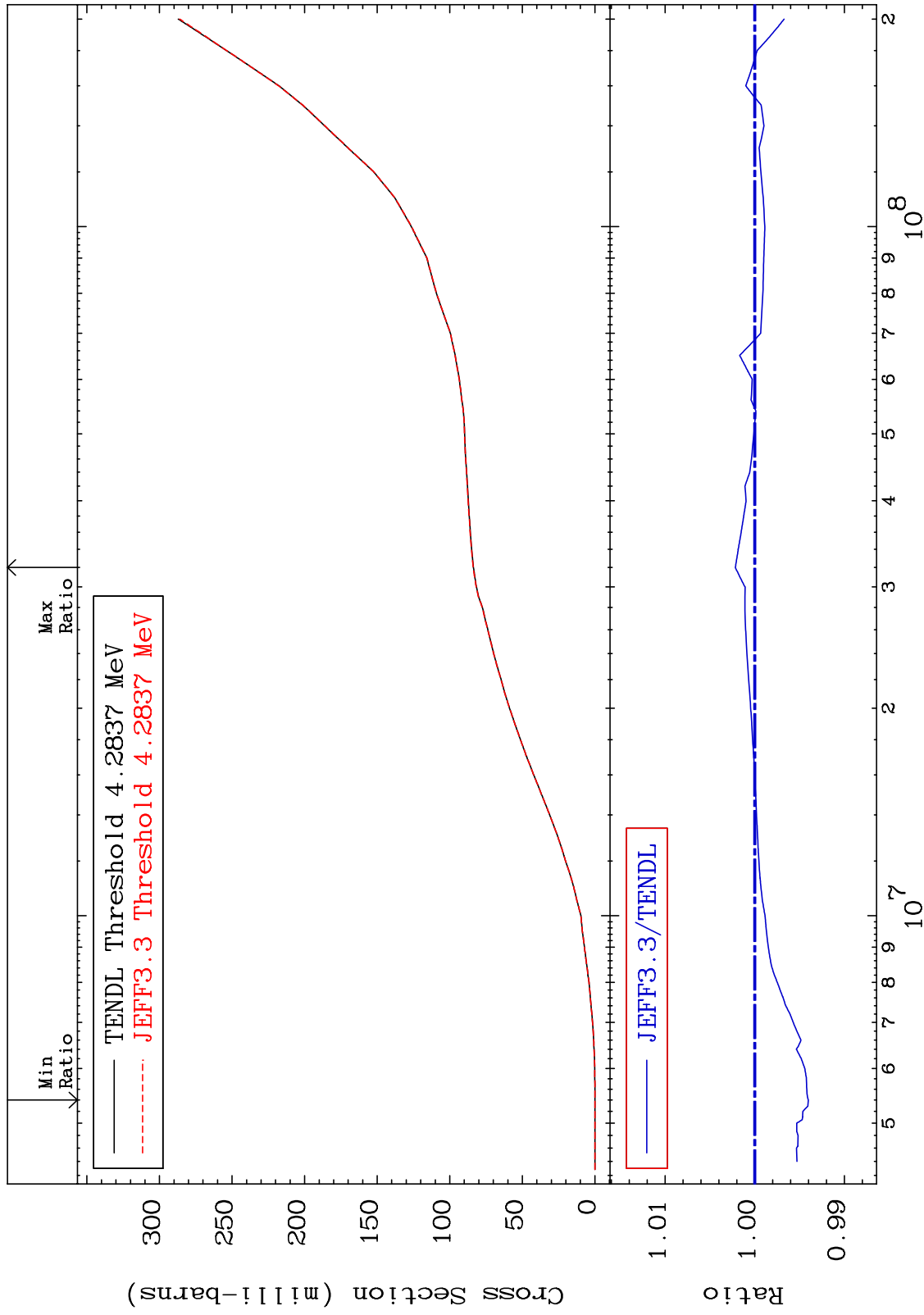


MAT 1925 (n,d) α 19-K -39
 Cross Section -0.428 To 159.2 %





MAT 1925 Deuterium Production Cross Section 19-K -39 -0.599 To 0.217 %

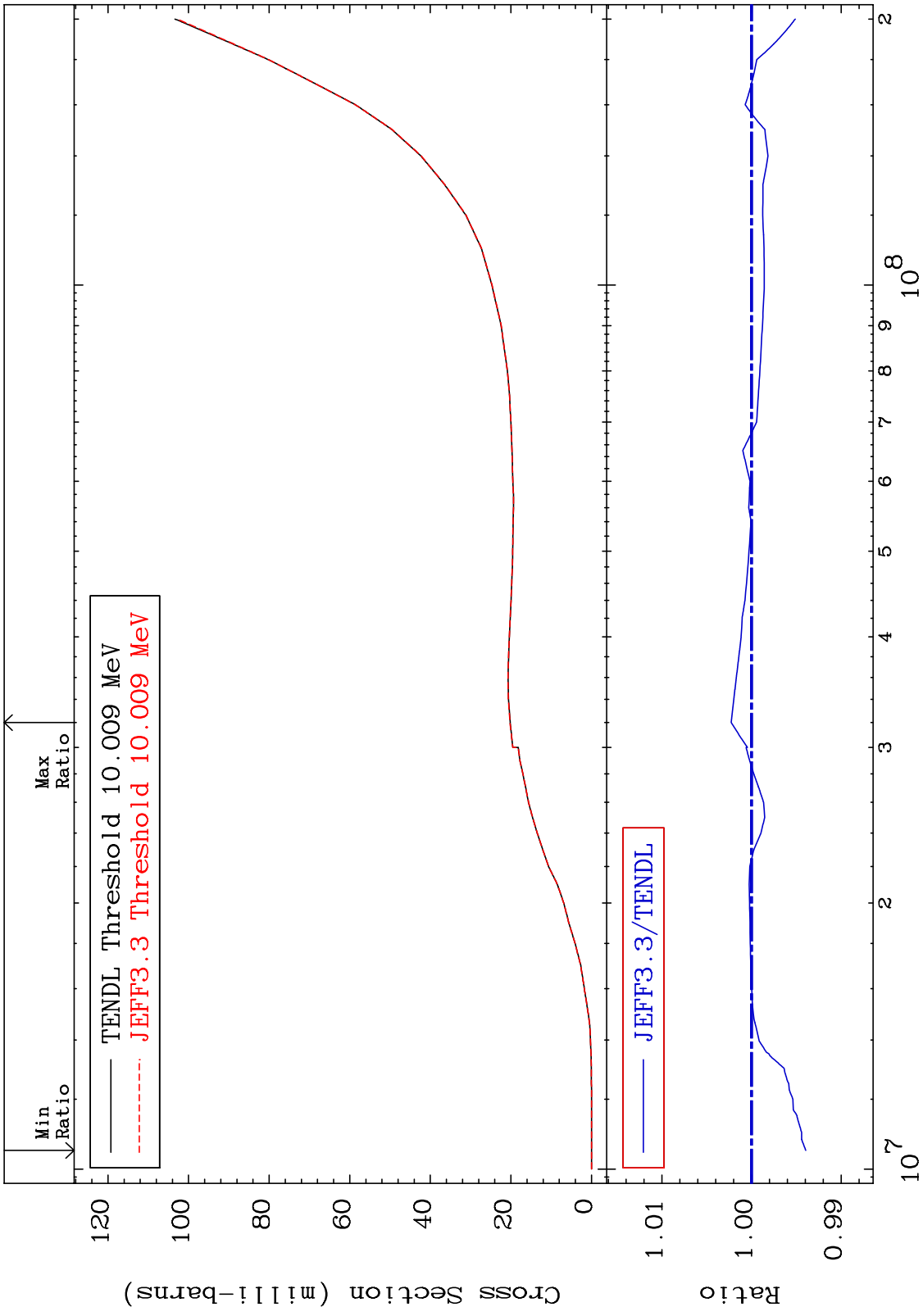


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Incident Energy (eV)

19-K -39

MAT 1925 Tritium Production Cross Section 19-K -39 -0.605 To 0.228 %

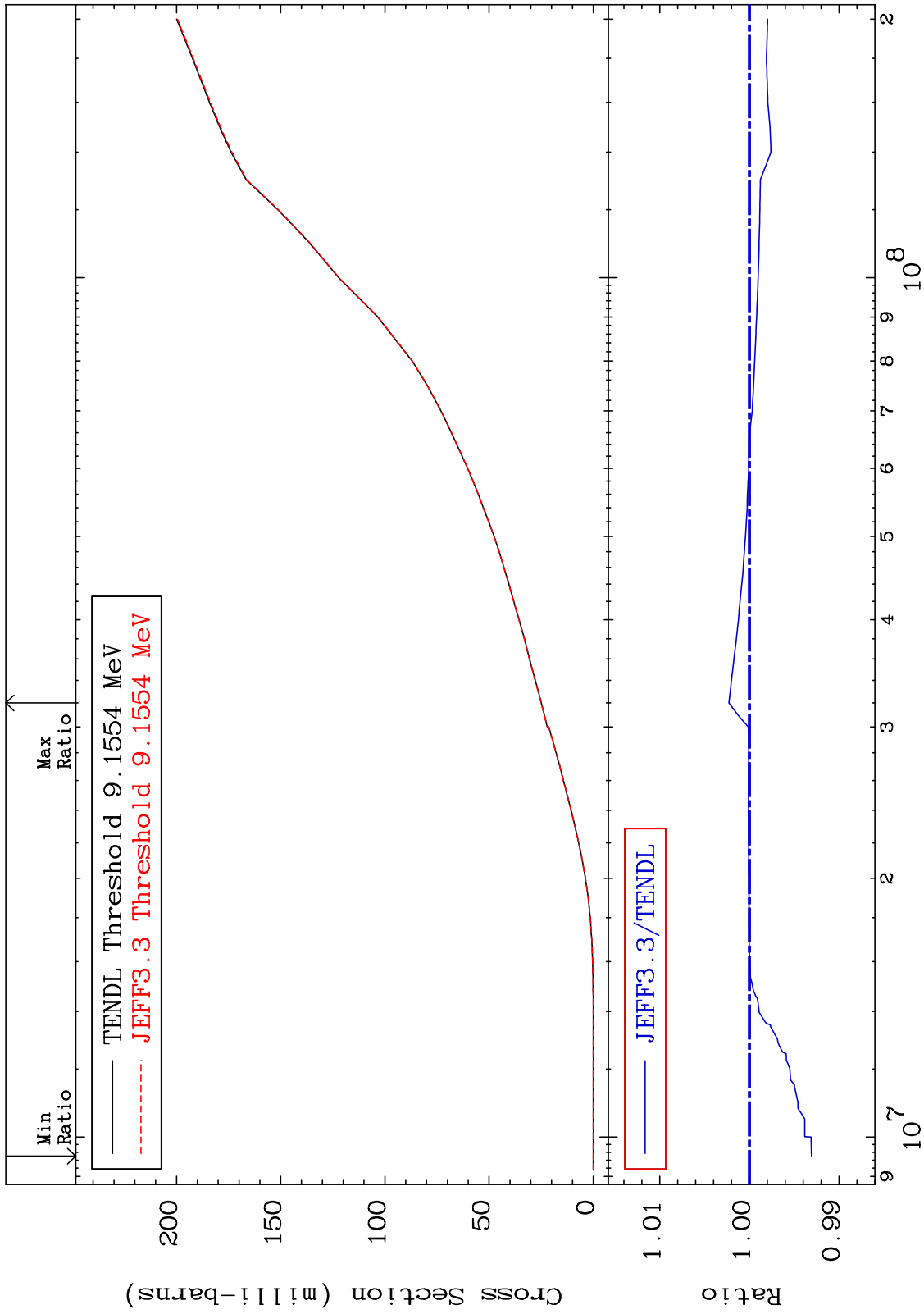


61 19-K -39

MAT 1925

He-3 Production
Cross Section

19-K -39
-0.694 To 0.229 %



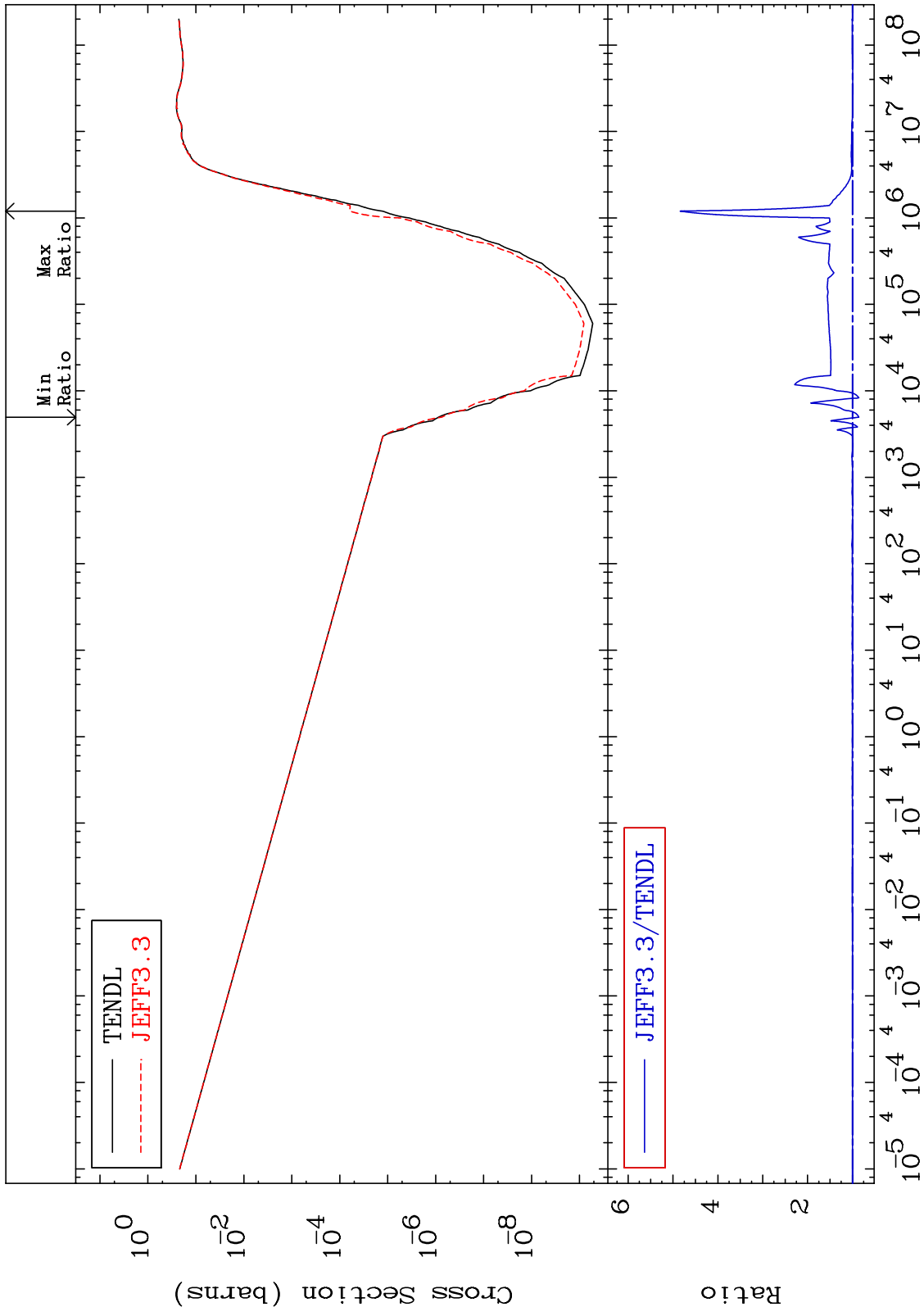
62

19-K -39

MAT 1925

He-4 Production
Cross Section

19-K -39
-14.40 To 384.0 %

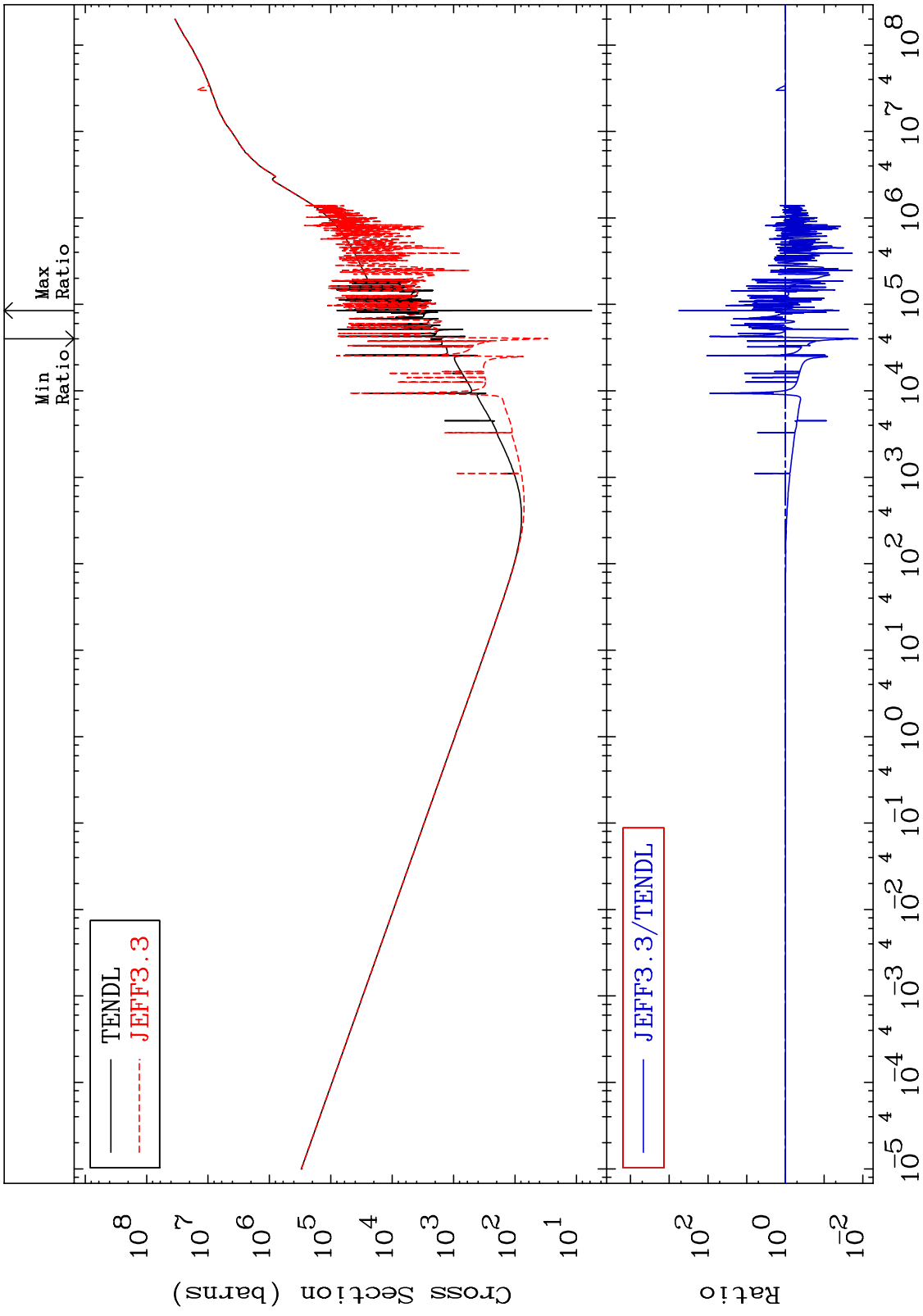


63

Incident Energy (eV)

19-K -39

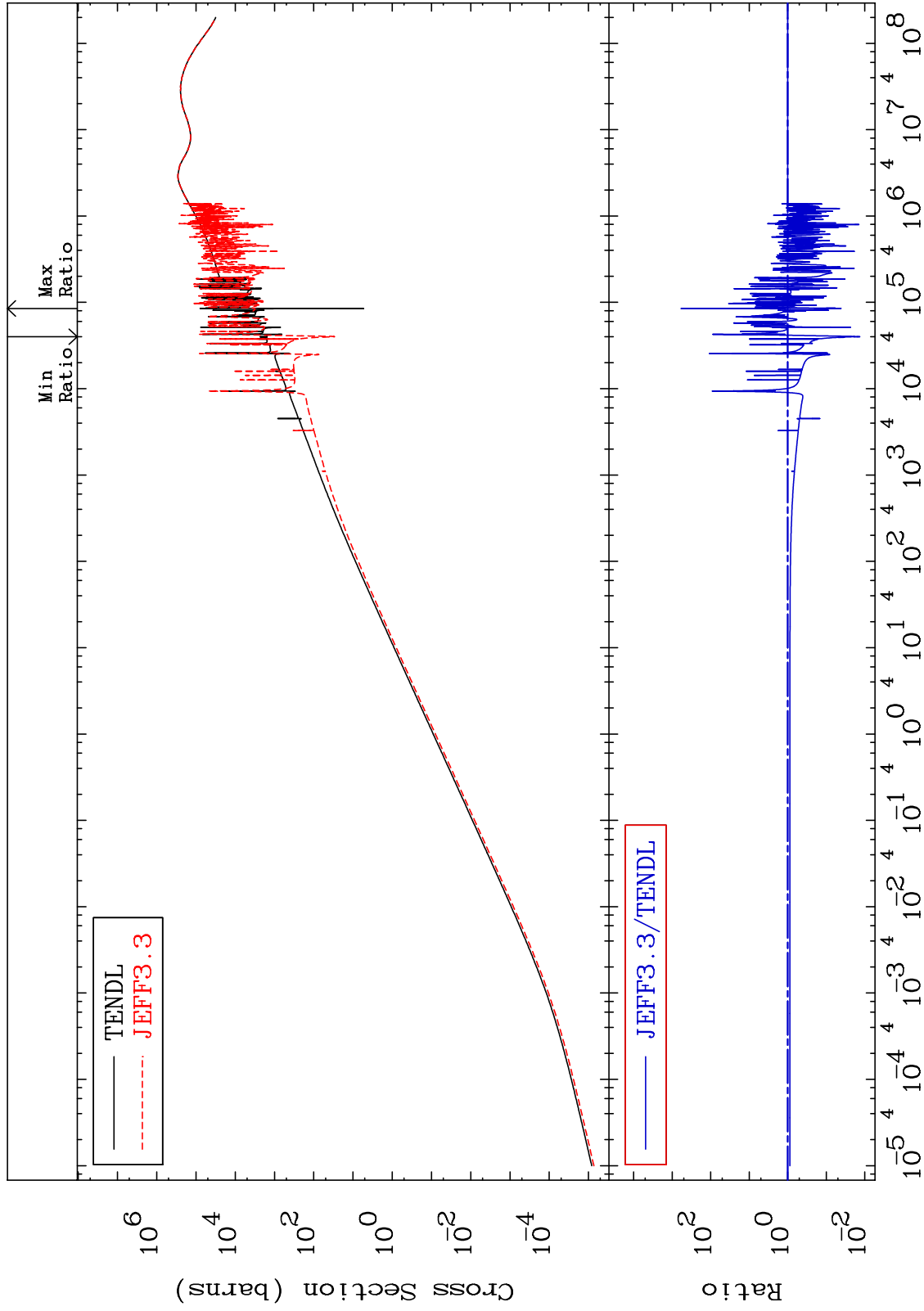
MAT 1925 Kerma total (eV-barns) 19-K -39
 Cross Section -98.65 To 9999. %



MAT 1925

Kerma elastic
Cross Section

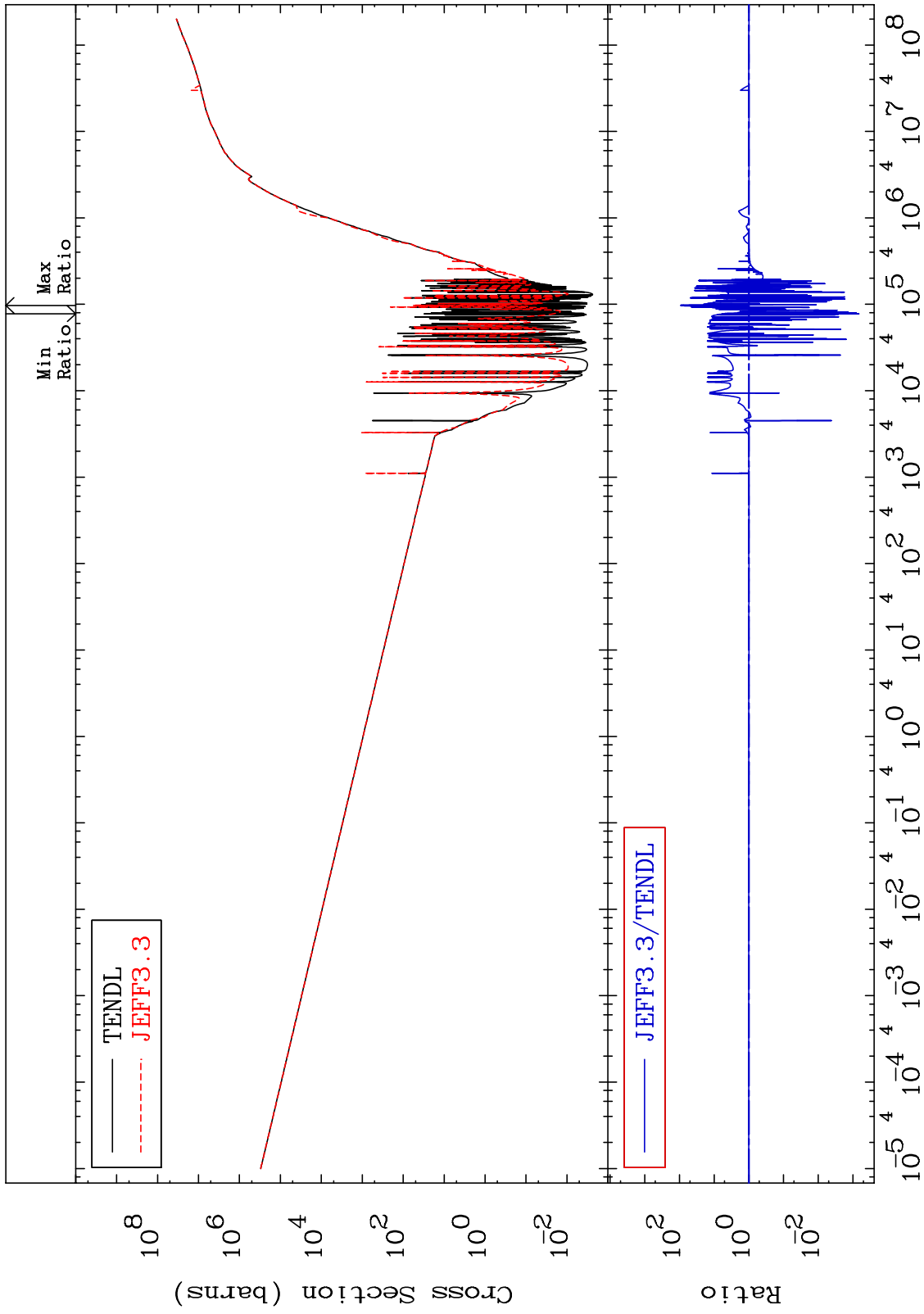
19-K -39
-98.65 To 9999. %

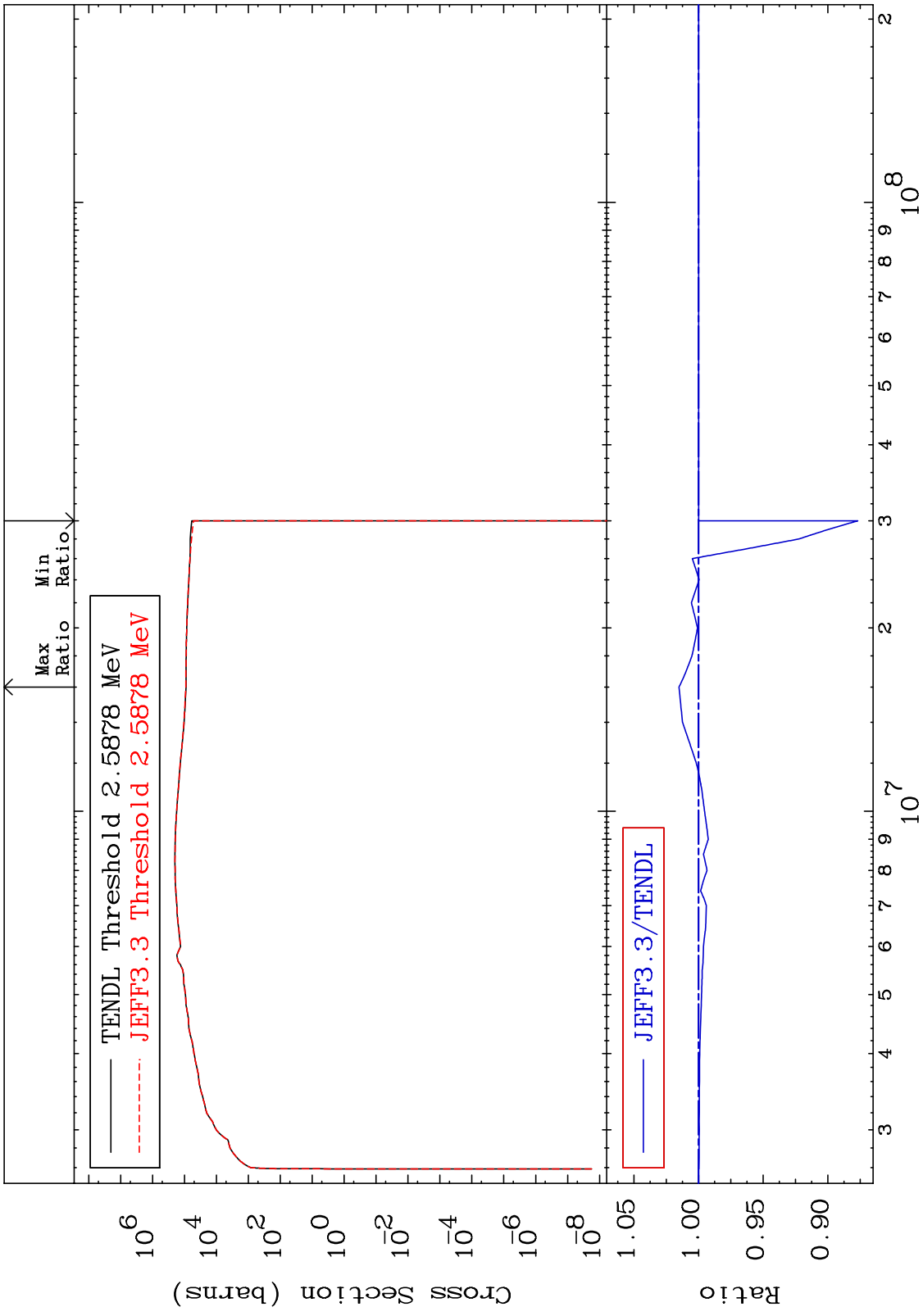


MAT 1925

Kerma non-elastic (all but mt2)
Cross Section

19-K -39
-99.93 To 9389. %

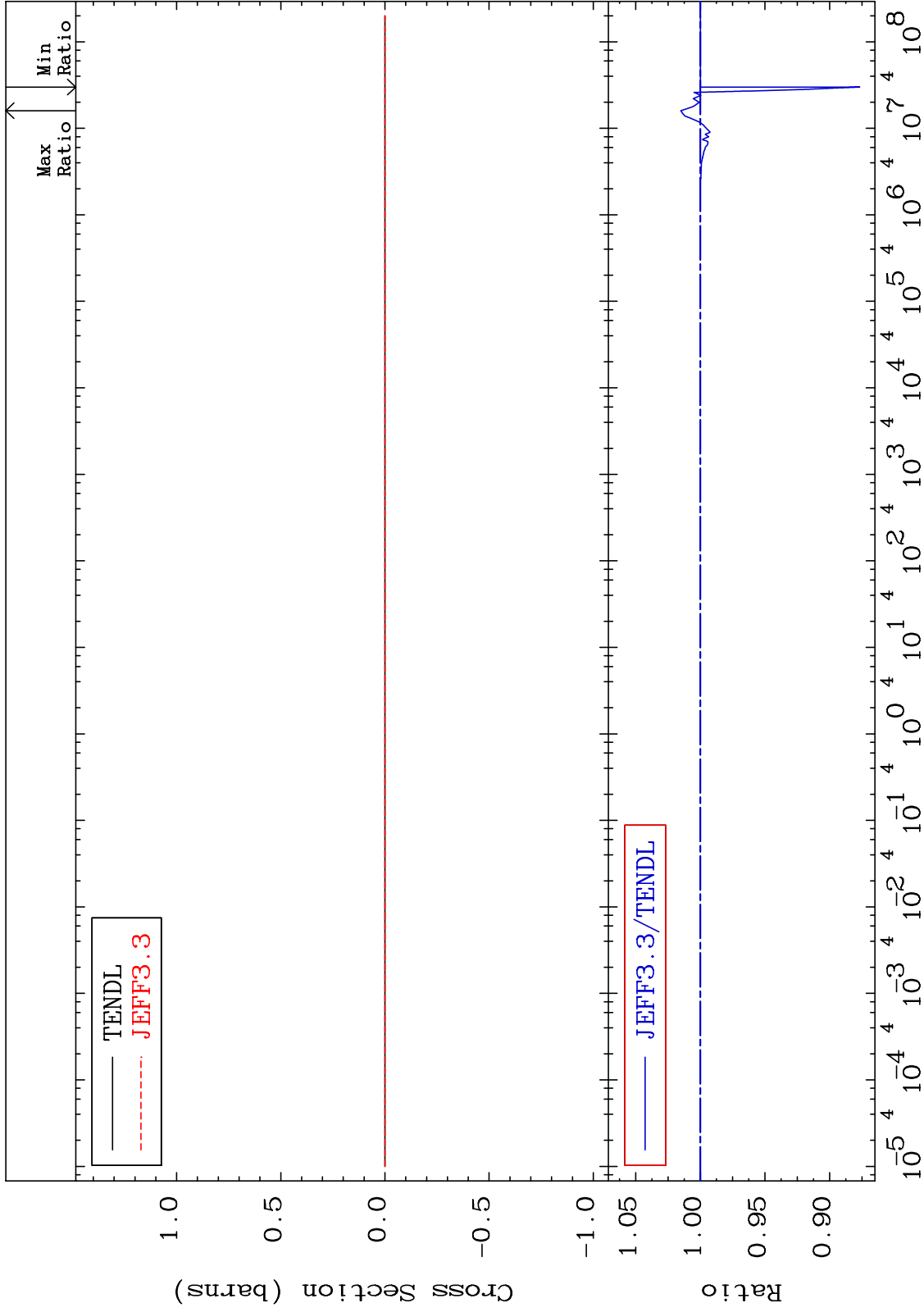




MAT 1925

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

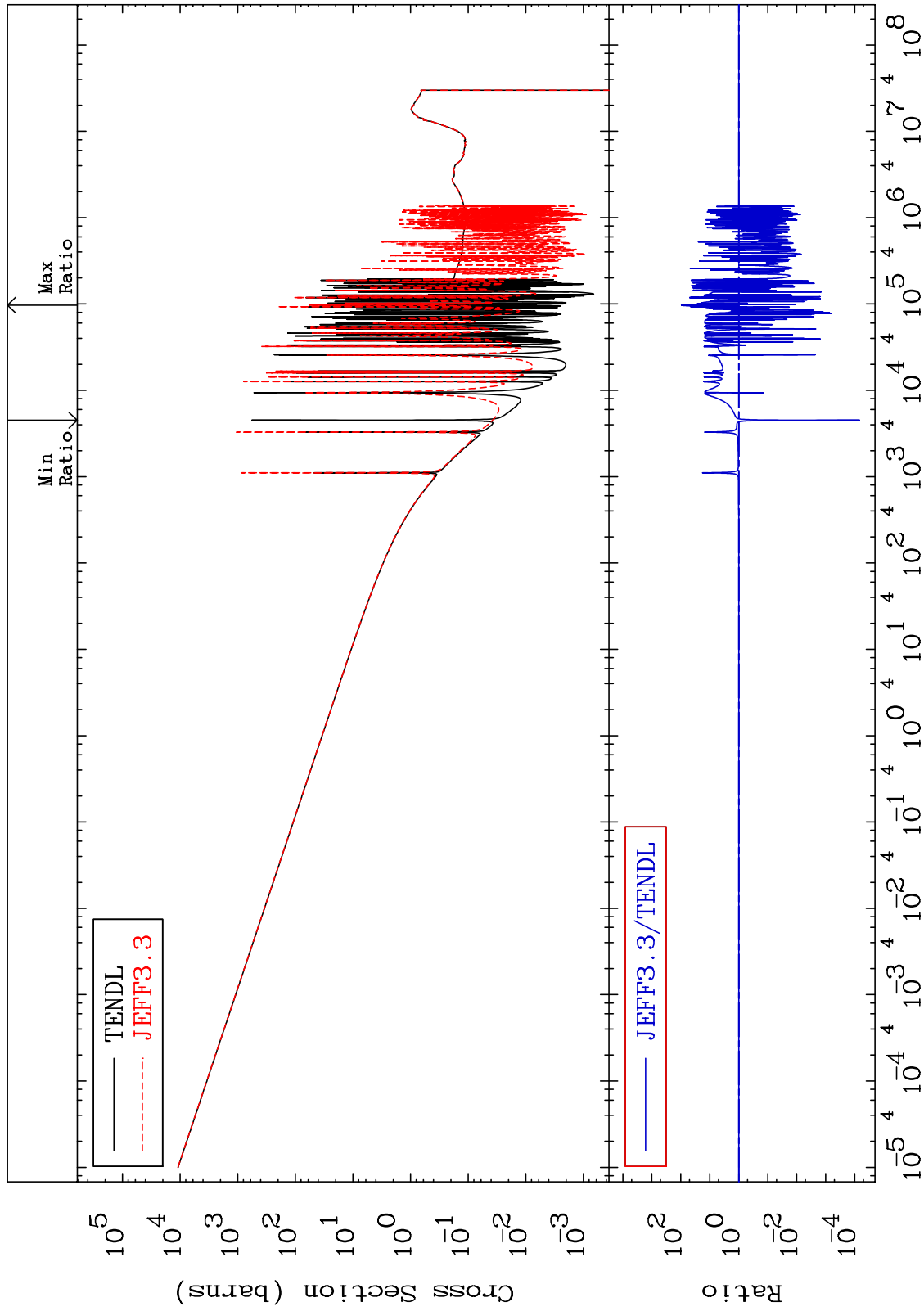
19-K -39
-12.31 To 1.507 %



MAT 1925

Kerma capture (mt102)
Cross Section

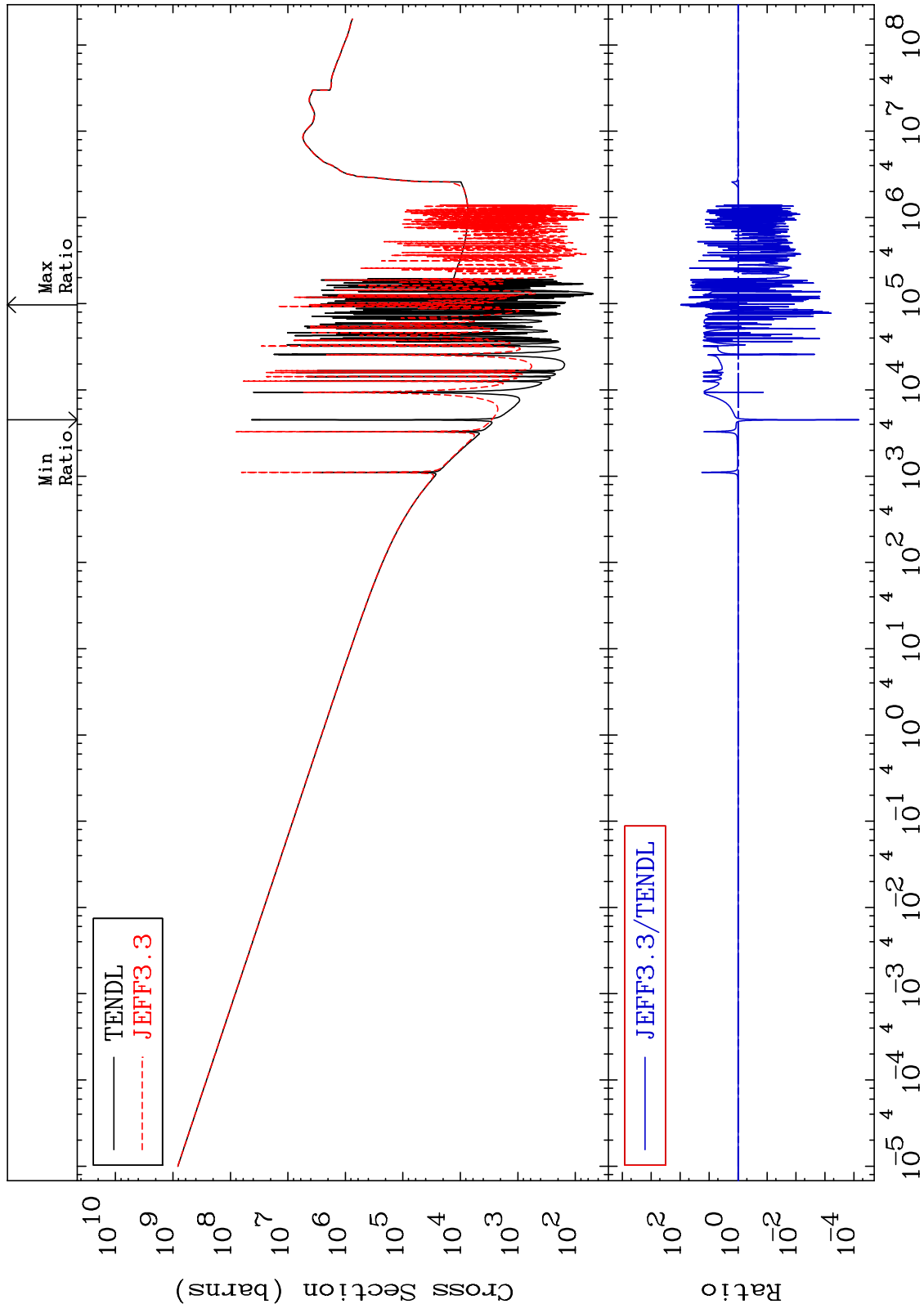
19-K -39
-99.99 To 9549. %



MAT 1925

Total photon (eV-barns)
Cross Section

19-K -39
-99.99 To 9549. %



70

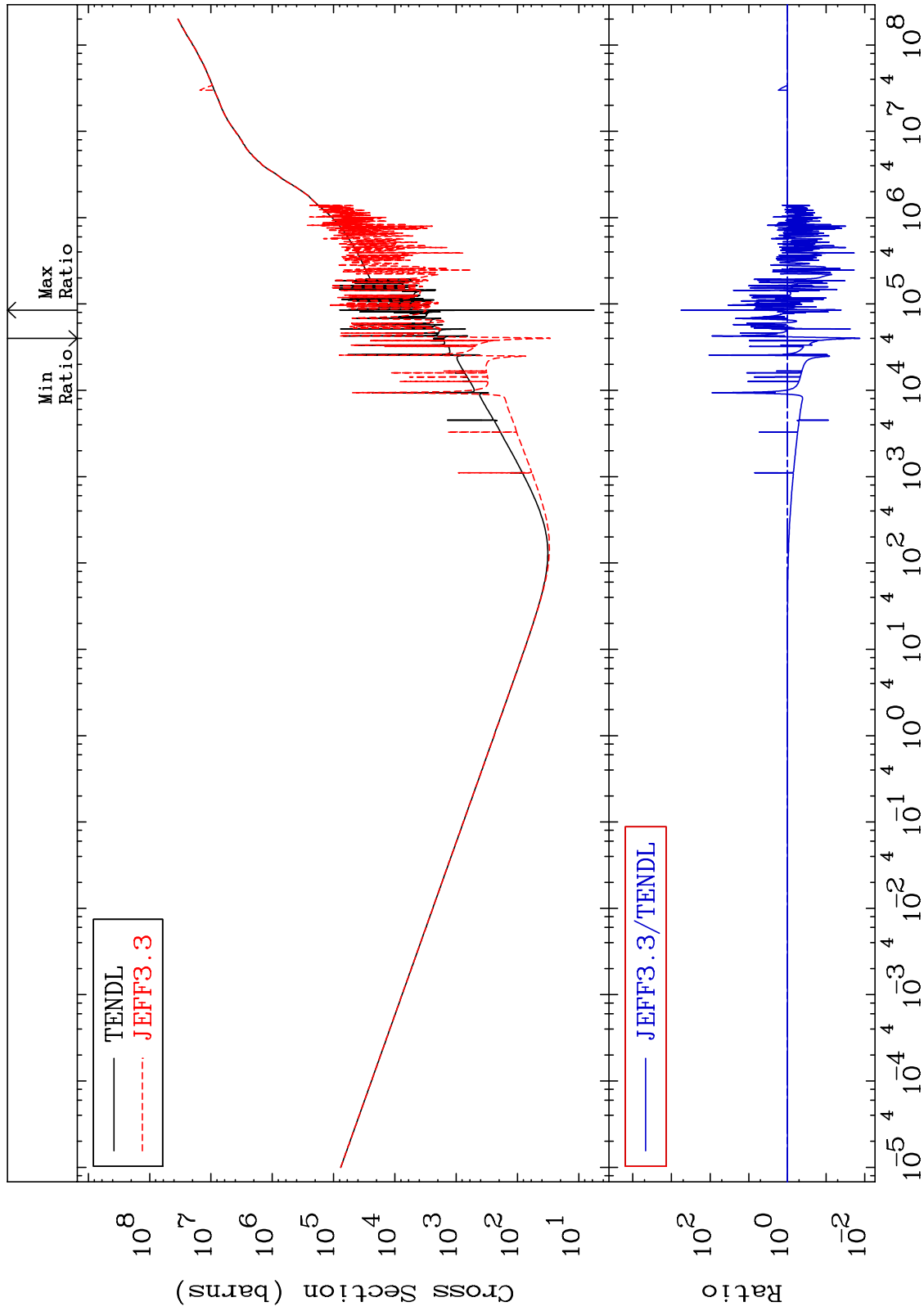
Incident Energy (eV)

19-K -39

MAT 1925

Total kinematic kerma (high limit)
Cross Section

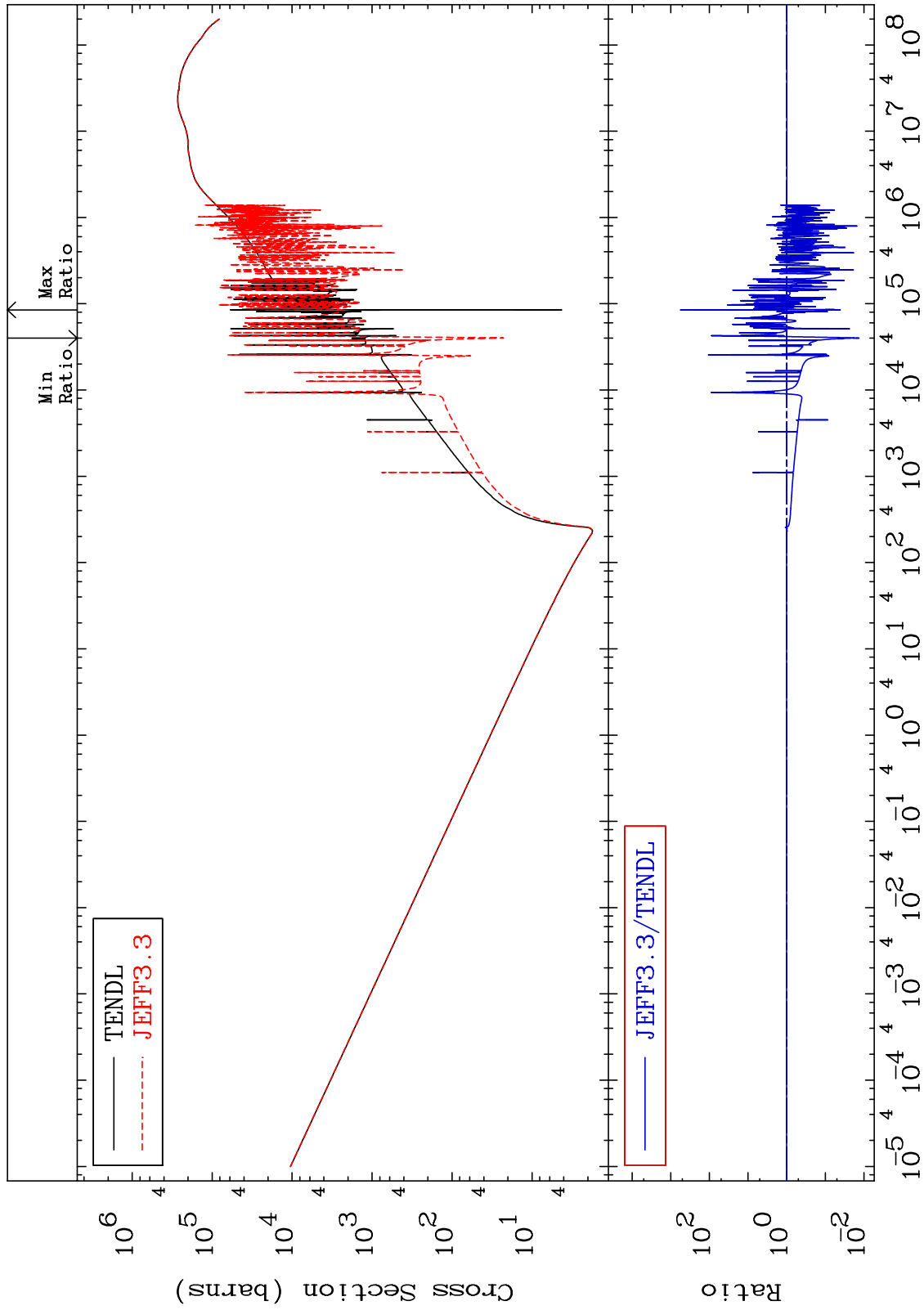
19-K -39
-98.65 To 9999. %



MAT 1925

Dpa total (eV-barns)
Cross Section

19-K -39
-98.65 To 9999. %



72

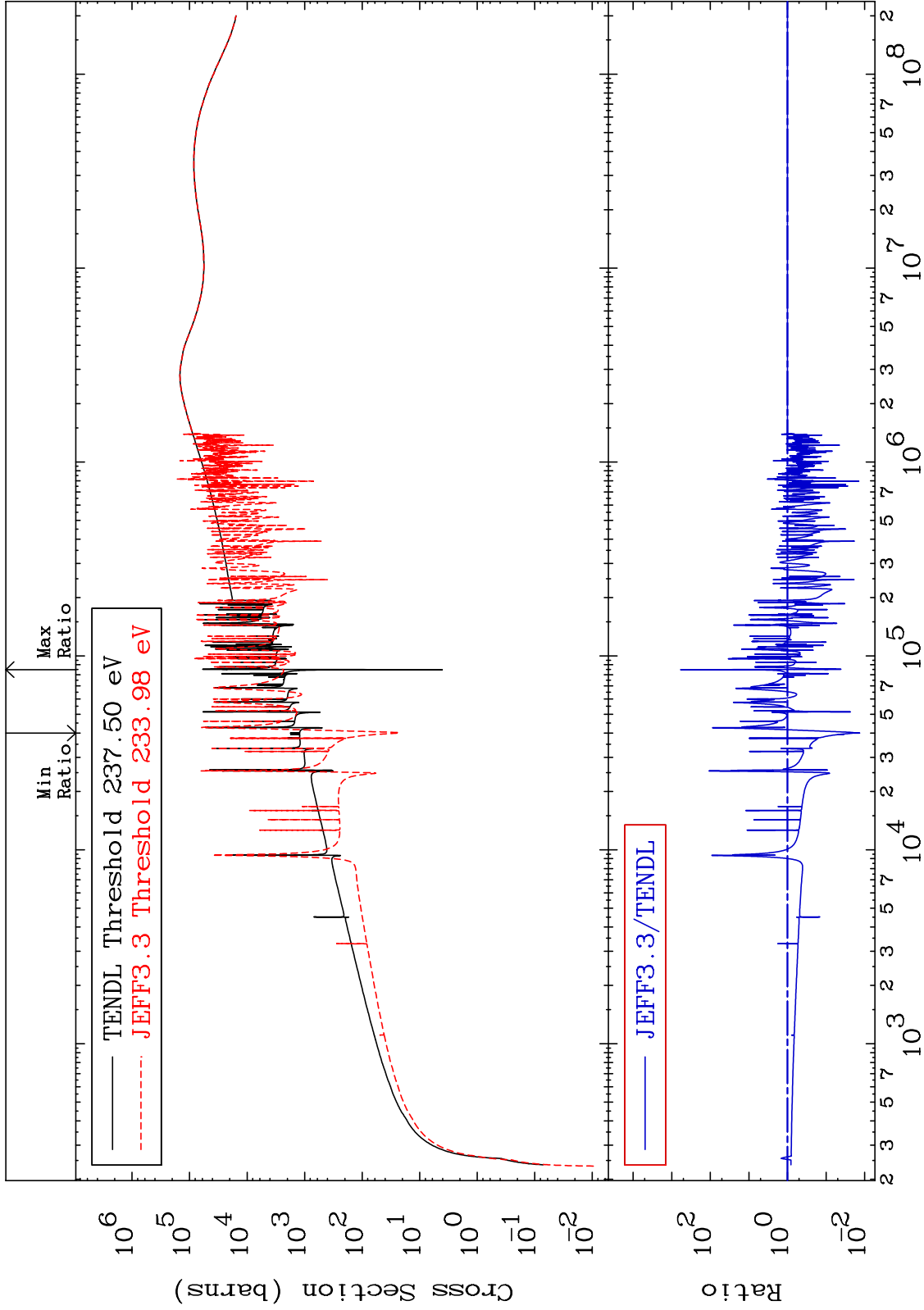
Incident Energy (eV)

19-K -39

MAT 1925

Dpa elastic (mt2)
Cross Section

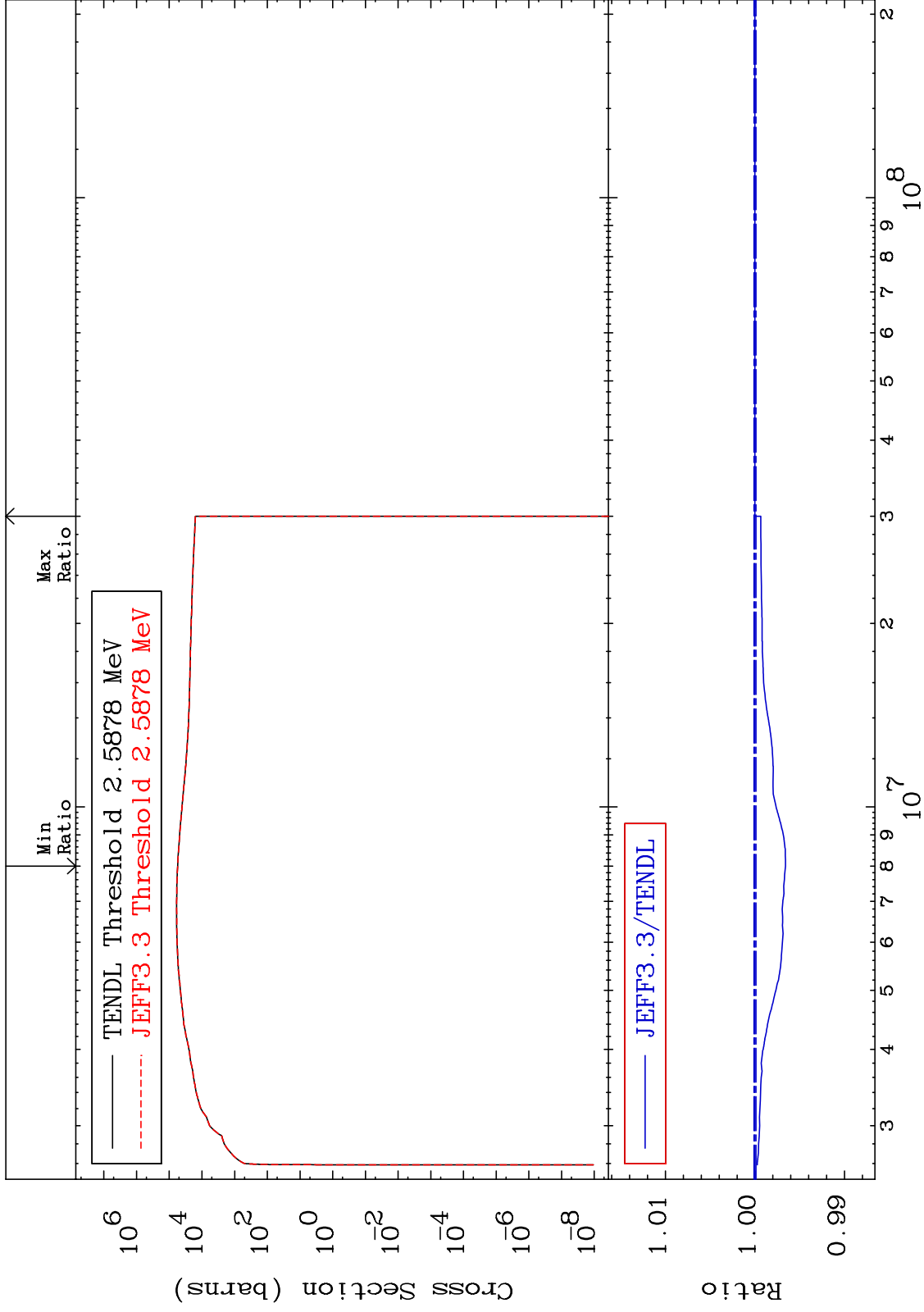
19-K -39
-98.65 To 9999. %



MAT 1925

Dpa inelastic (mt51-91)
Cross Section

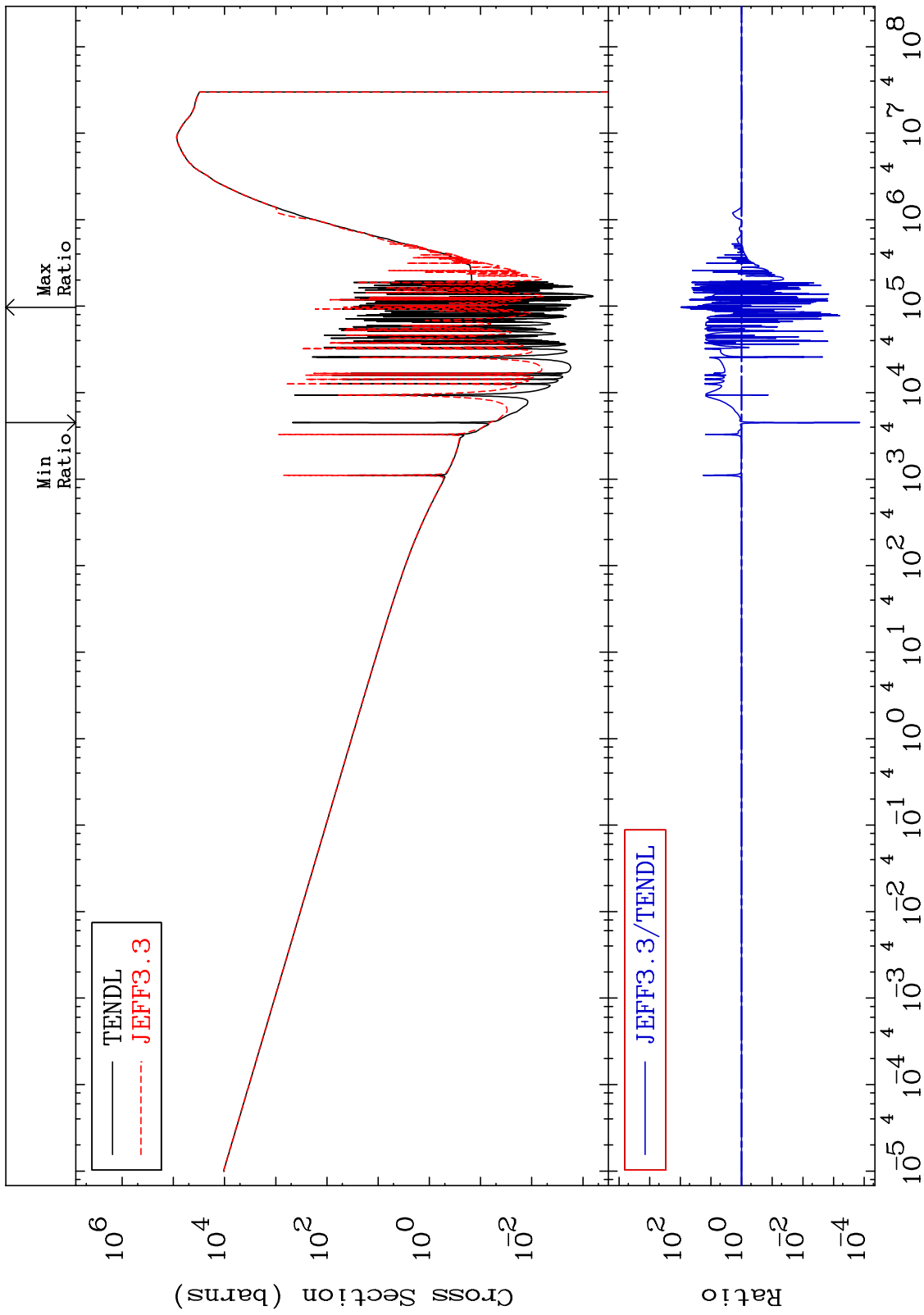
19-K -39
-0.341 To 0.000 %



MAT 1925

Dpa disappearance (mt102 -120)
Cross Section

19-K -39
-99.99 To 9540. %

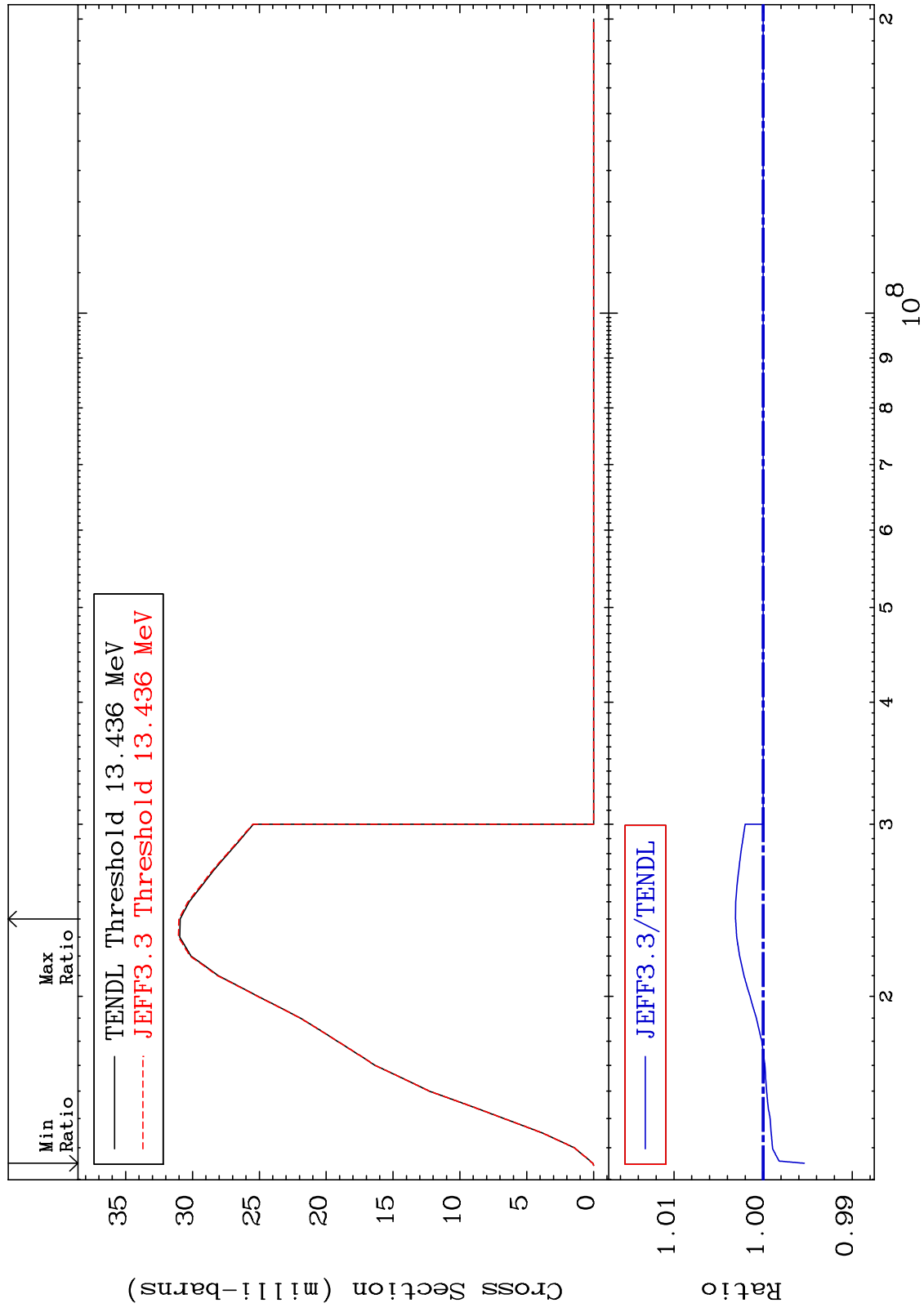


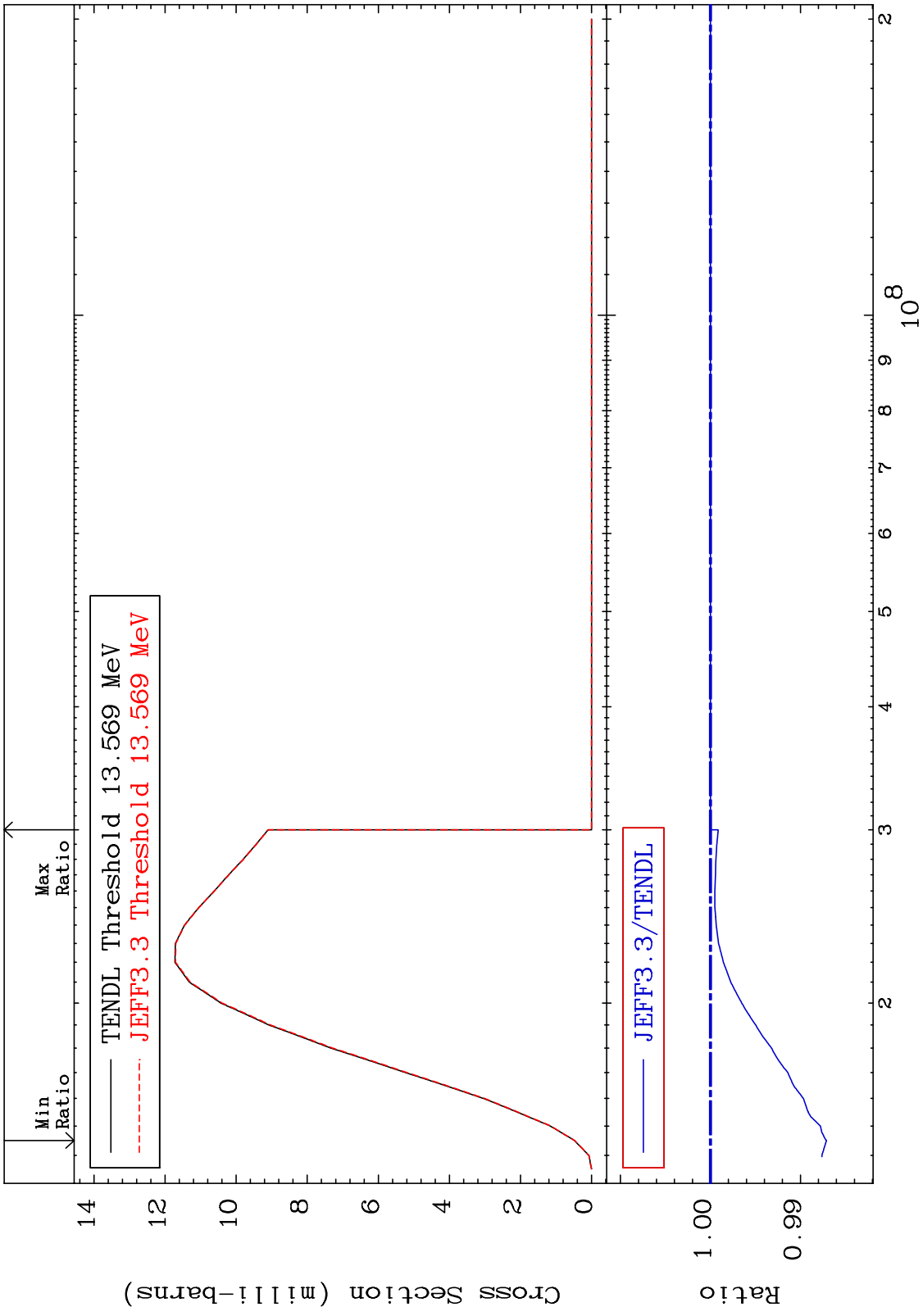
75

Incident Energy (eV)

19-K -39

MAT 1925 (n,2n): 19-K -38g 19-K -39
 Radionuclide Production Cross Section -0.462 To 0.309 %



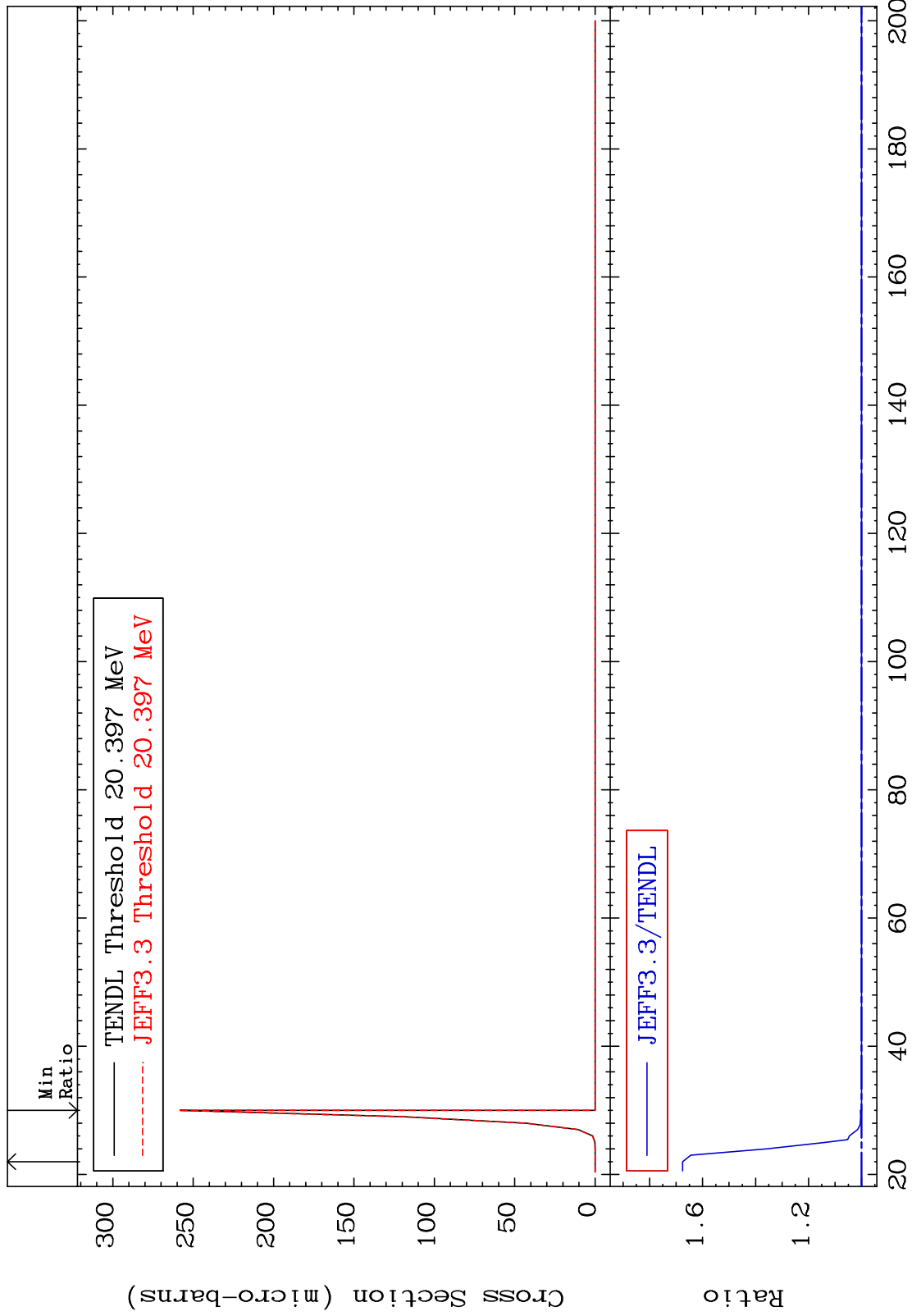


MAT 1925

(n,2n) α :17-Cl-34g

19-K -39

Radionuclide Production Cross Section 0.000 To 67.50 %



78

Incident Energy (MeV)

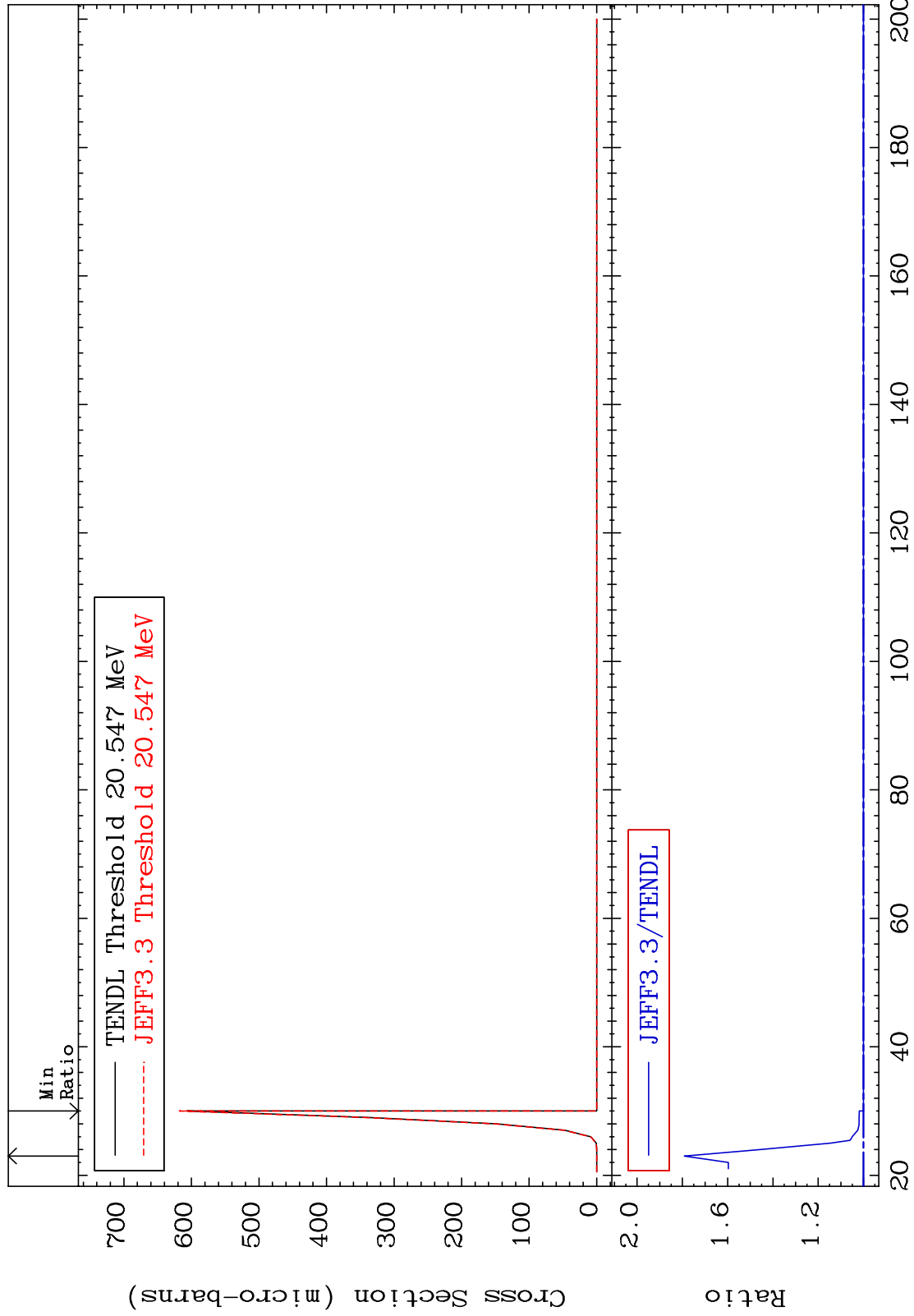
19-K -39

MAT 1925

(n,2n) α :17-Cl-34m1

19-K -39

Radionuclide Production Cross Section 0.000 To 79.12 %



79

Incident Energy (MeV)

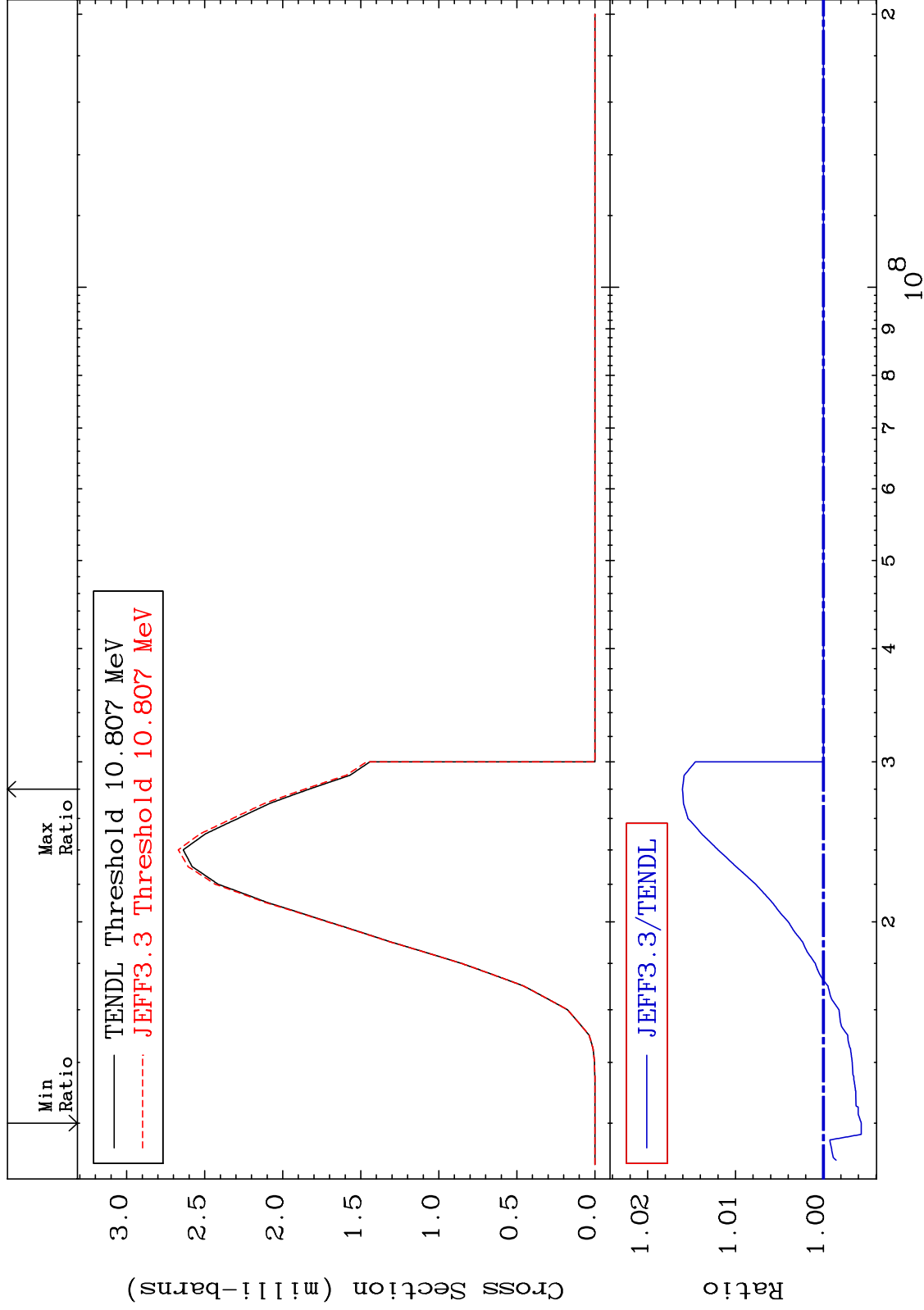
19-K -39

MAT 1925

(n,2p) : 17-Cl-38g

19-K -39

Radionuclide Production Cross Section -0.432 To 1.604 %



80

Incident Energy (eV)

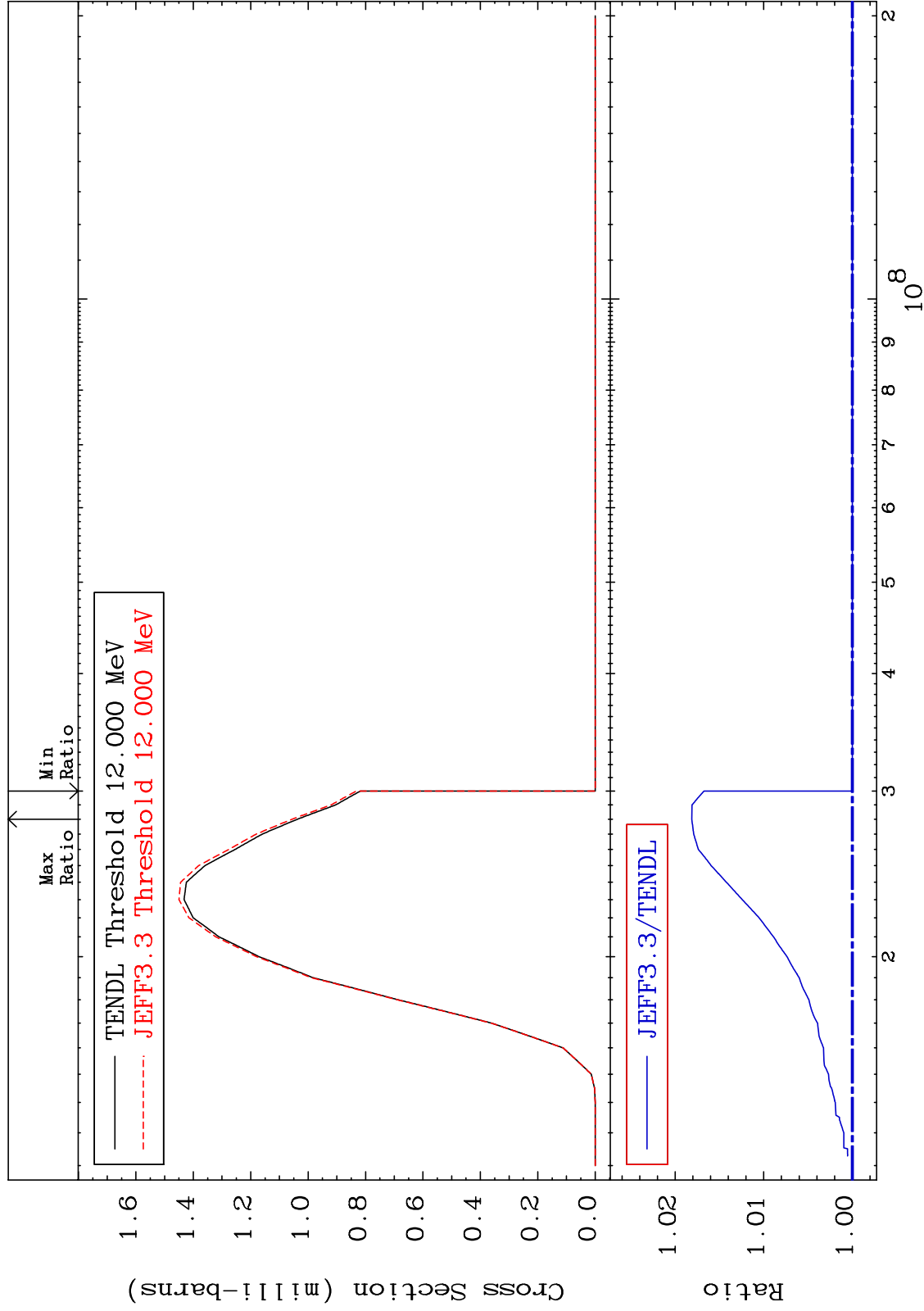
19-K -39

MAT 1925

(n,2p):17-Cl-38m1

19-K -39

Radionuclide Production Cross Section 0.000 To 1.813 %



81

Incident Energy (eV)

19-K -39