

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

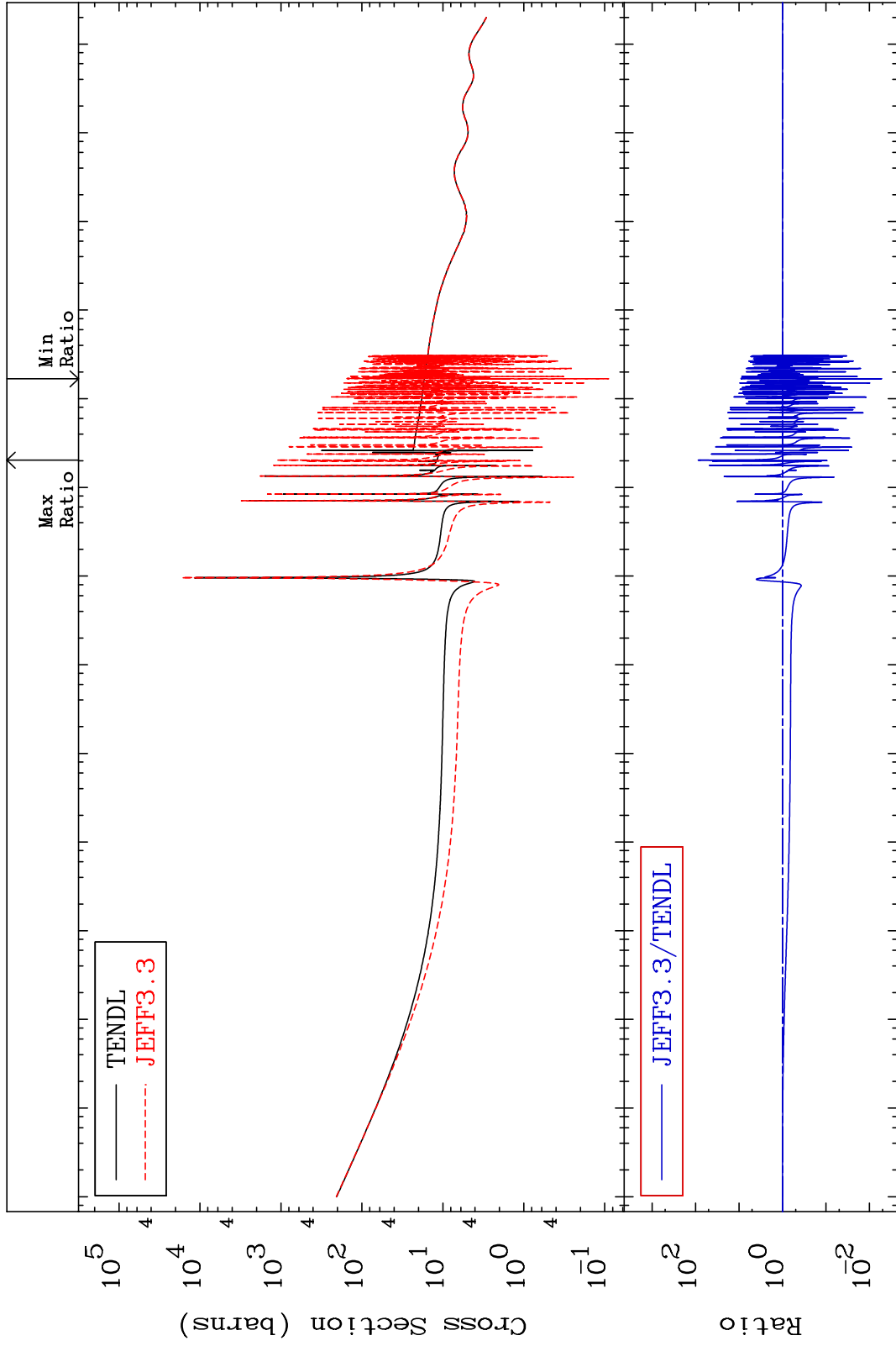
MAT 7849

Total

78-Pt-198

Cross Section

-99.47 To 8529. %



Incident Energy (eV)

78-Pt-198

1

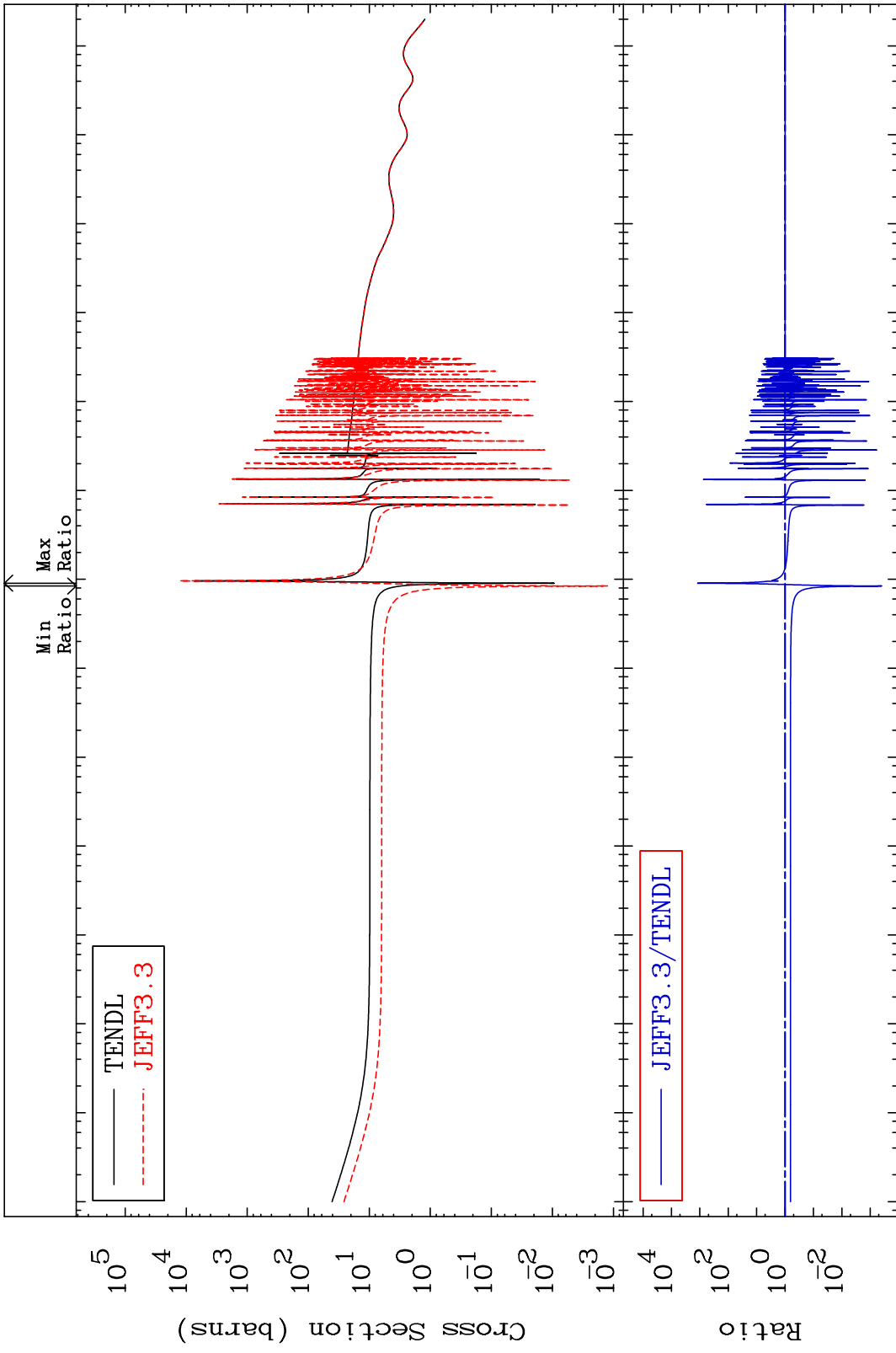
MAT 7849

Elastic

78-Pt-198

Cross Section

-99.96 To 9999. %



— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

Incident Energy (eV) 78-Pt-198

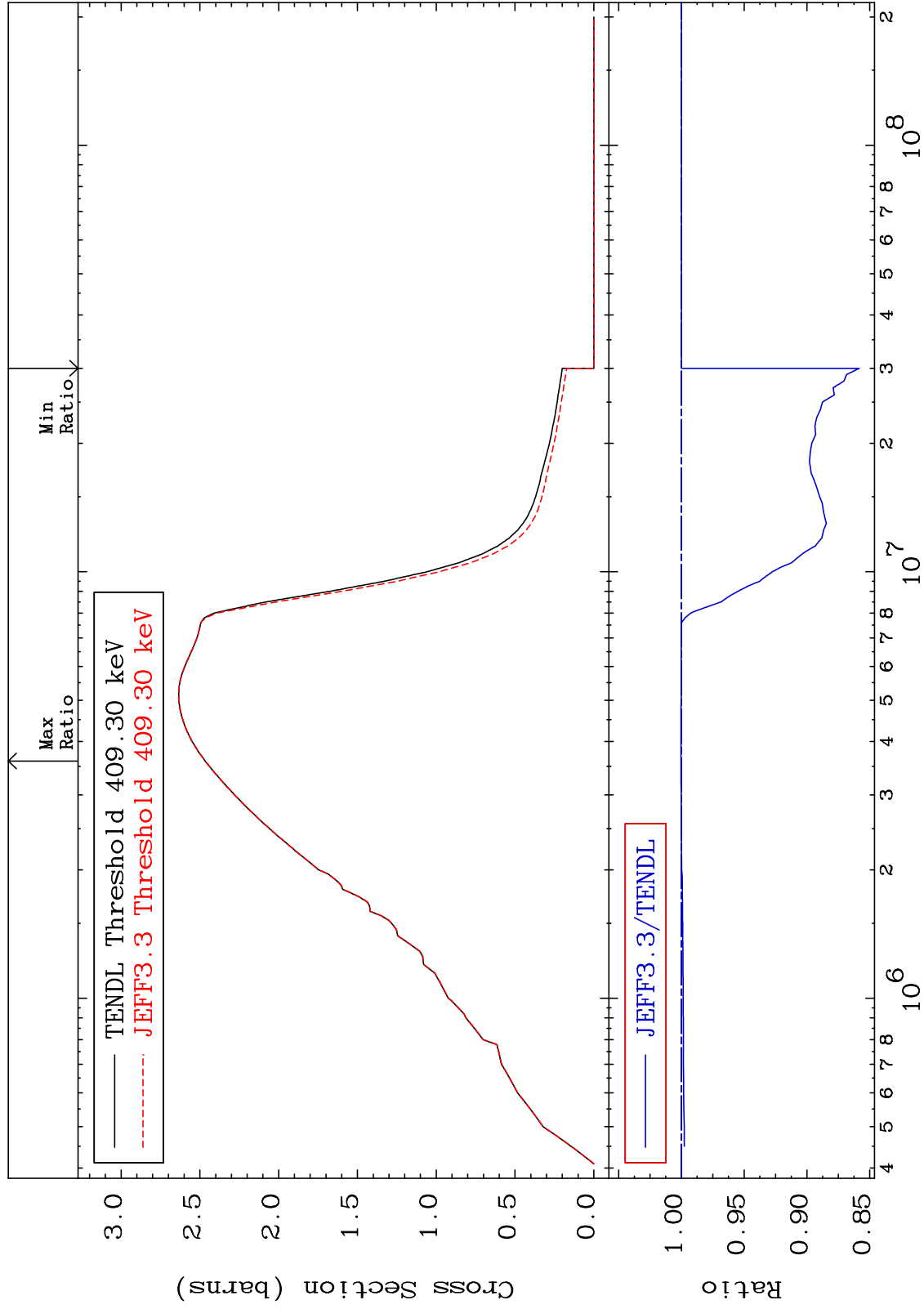
MAT 7849

Inelastic

78-Pt-198

Cross Section

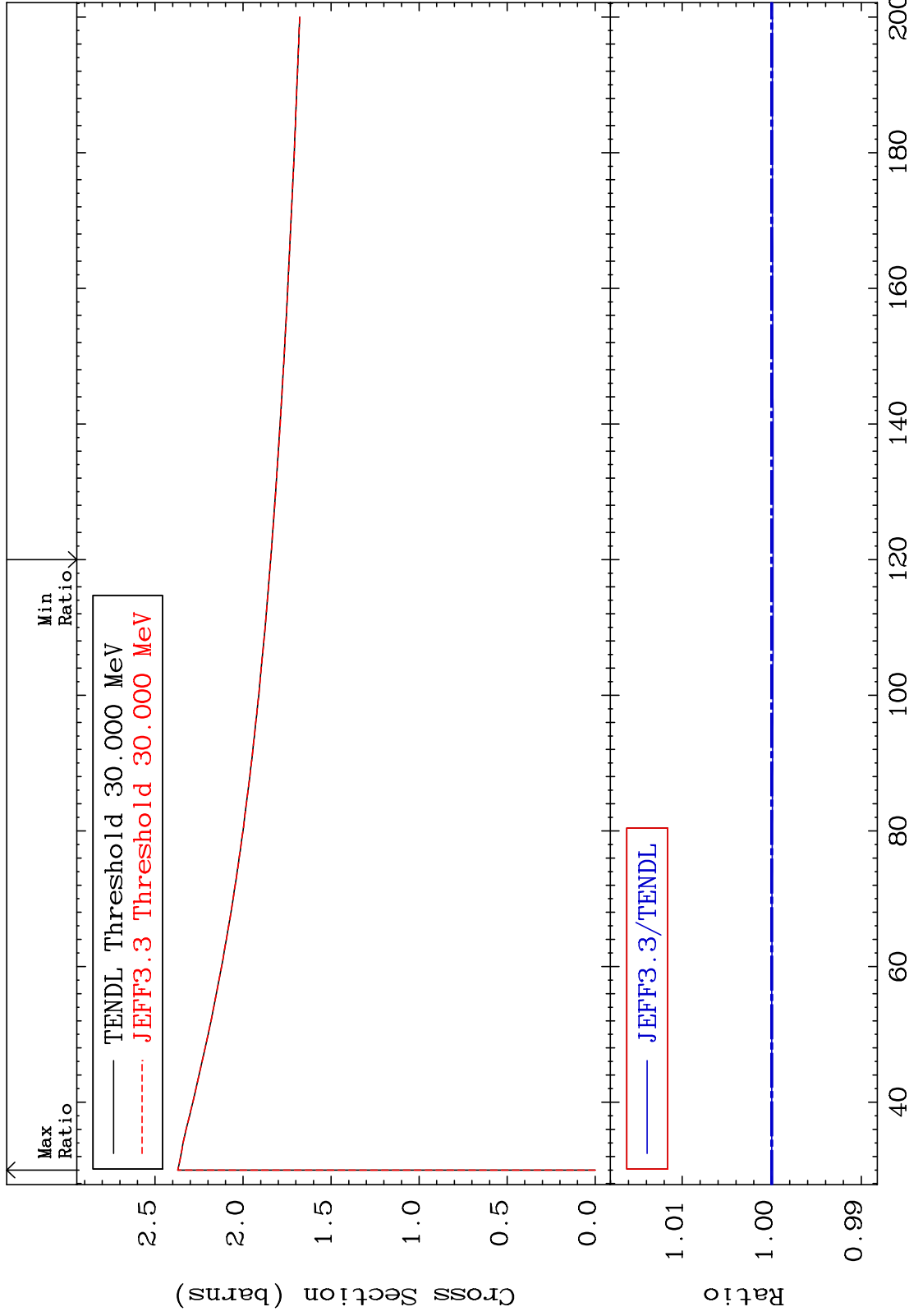
-14.17 To 0.026 %



MAT 7849

(n, remainder)
Cross Section

78-Pt-198
-0.015 To 0.000 %



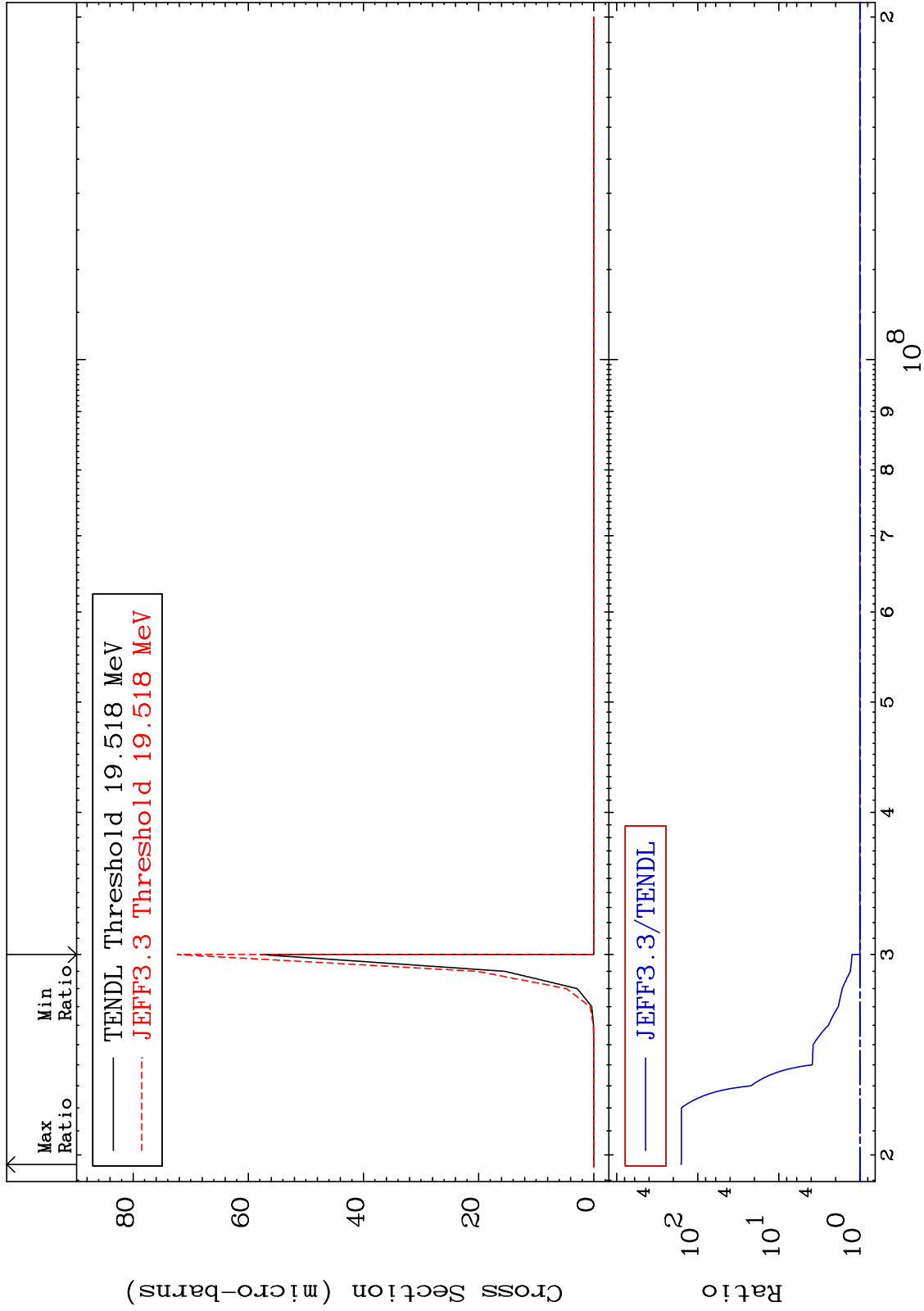
MAT 7849

(n,2n) d

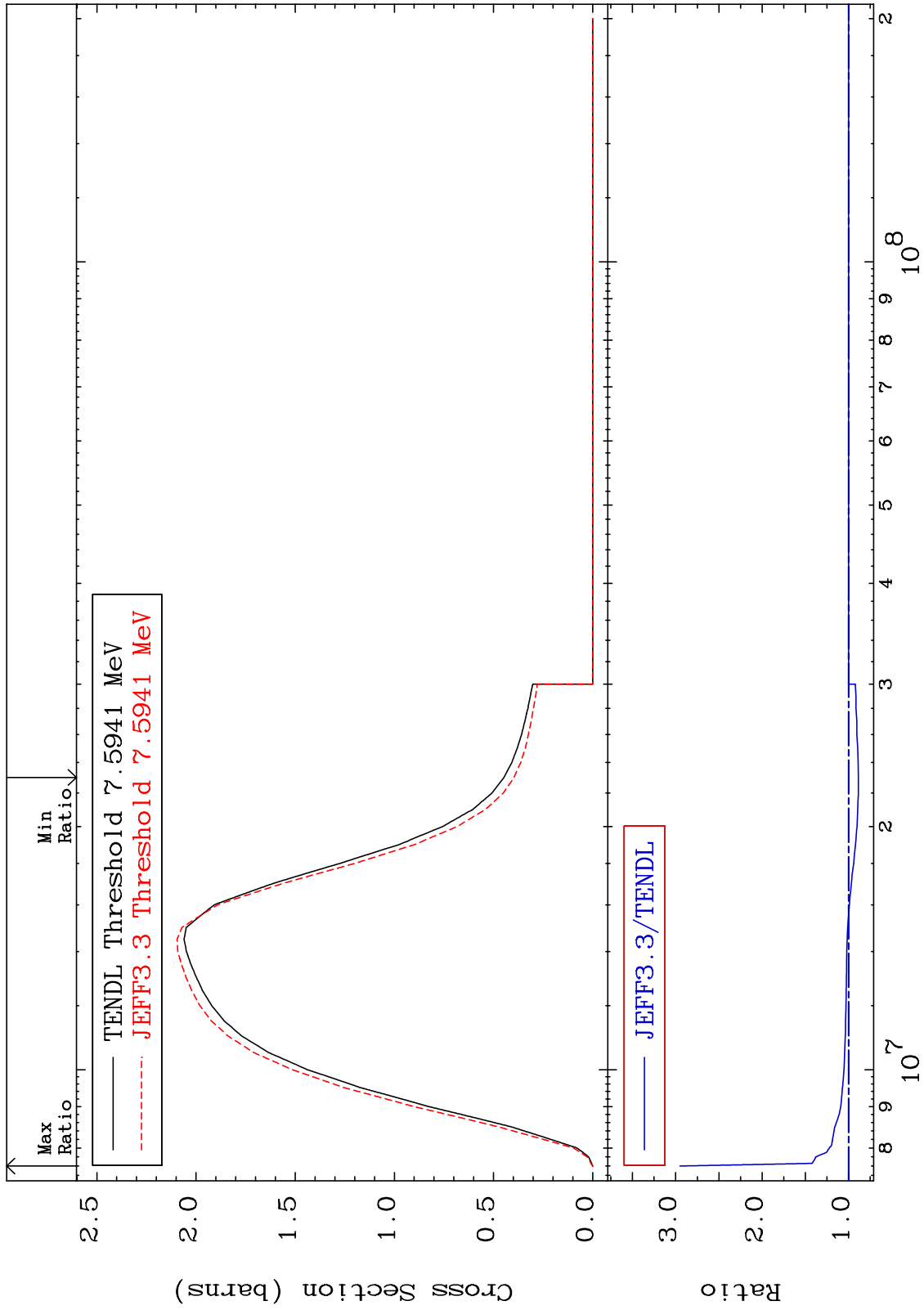
78-Pt-198

Cross Section

0.000 To 9999. %



MAT 7849 (n,2n) Cross Section 78-Pt-198 -11.32 To 195.0 %



6 78-Pt-198

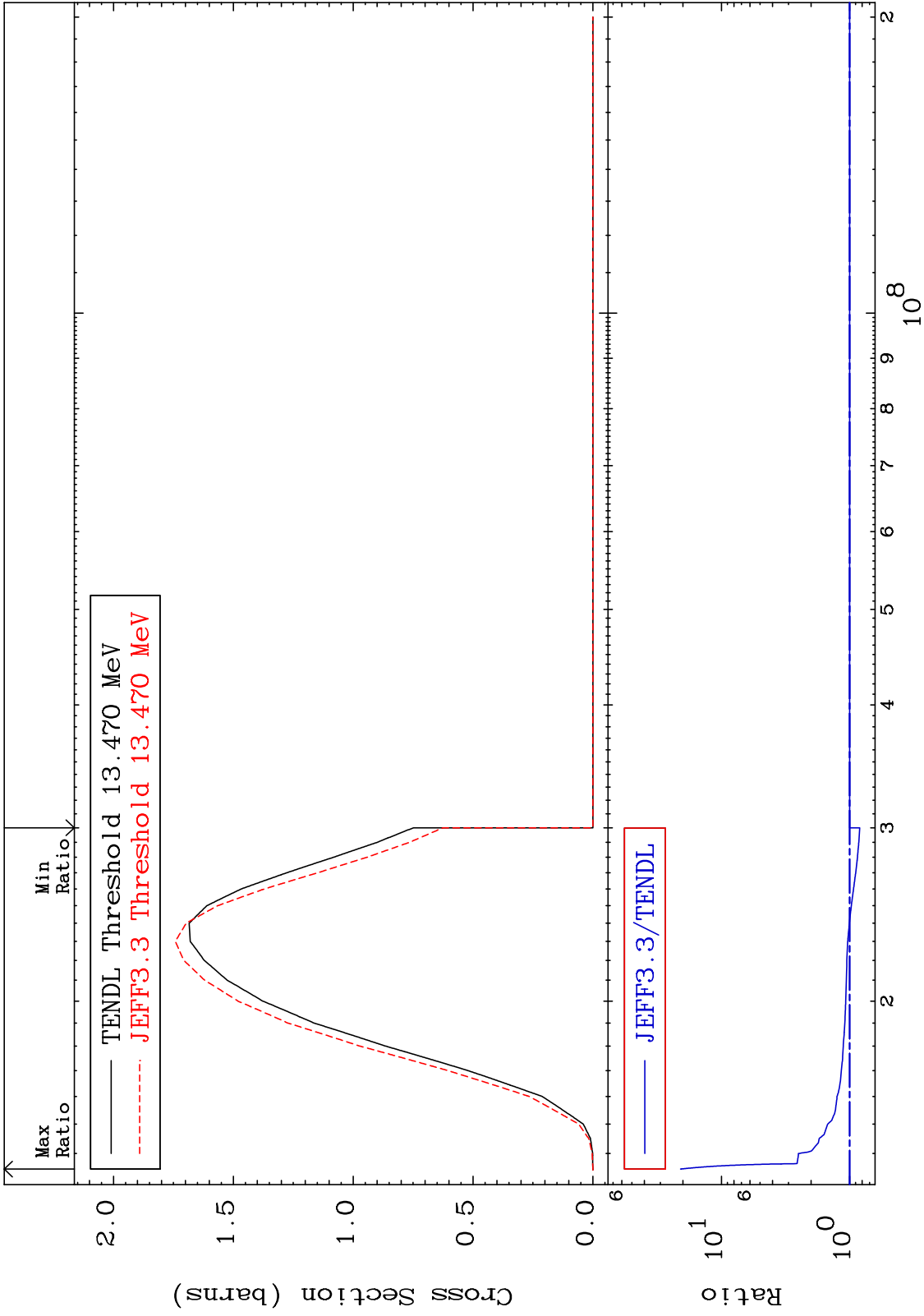
MAT 7849

(n, 3n)

78-Pt-198

Cross Section

-16.47 To 1985. %



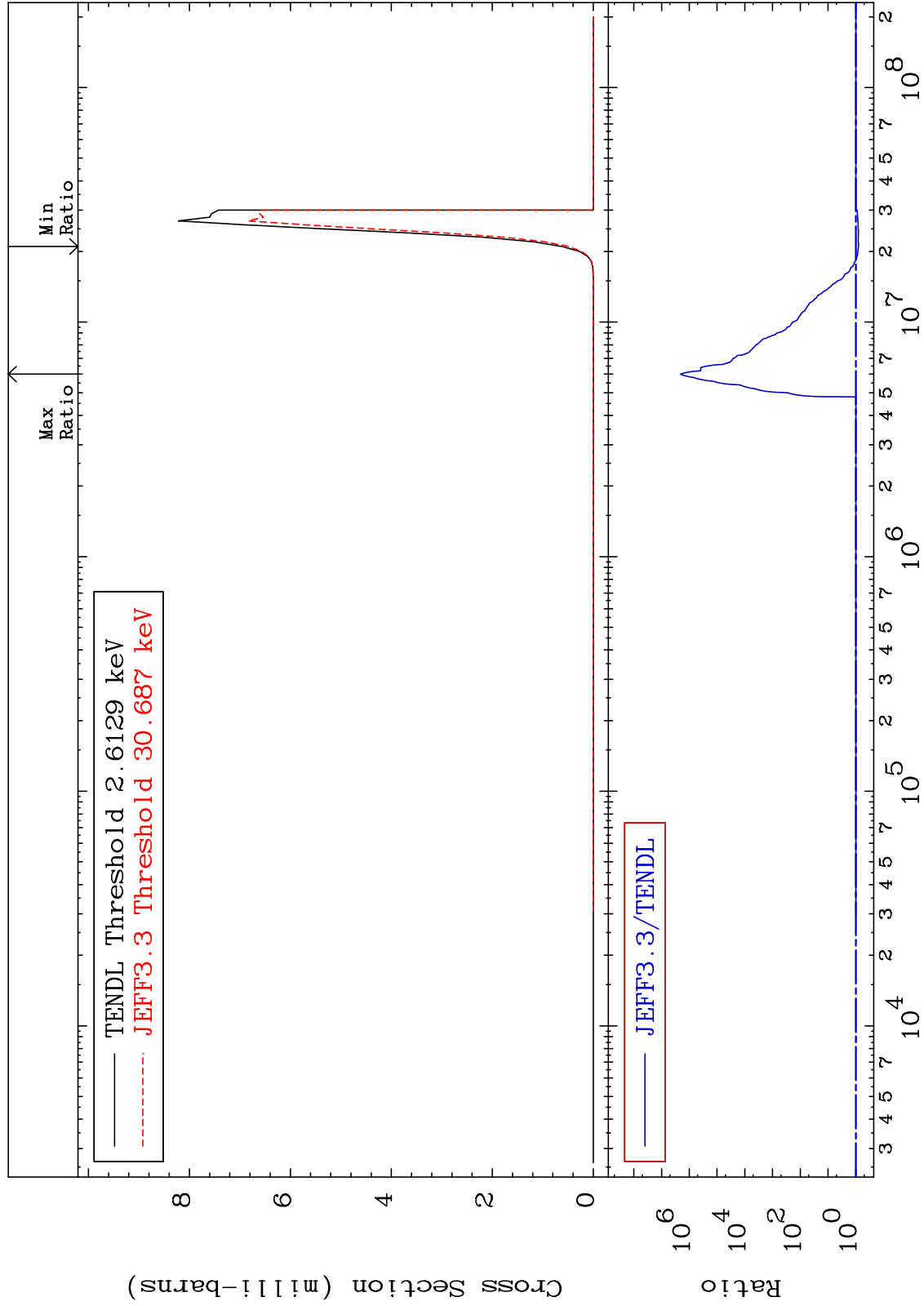
MAT 7849

(n, n') α

78-Pt-198

Cross Section

-20.43 To 9999. %



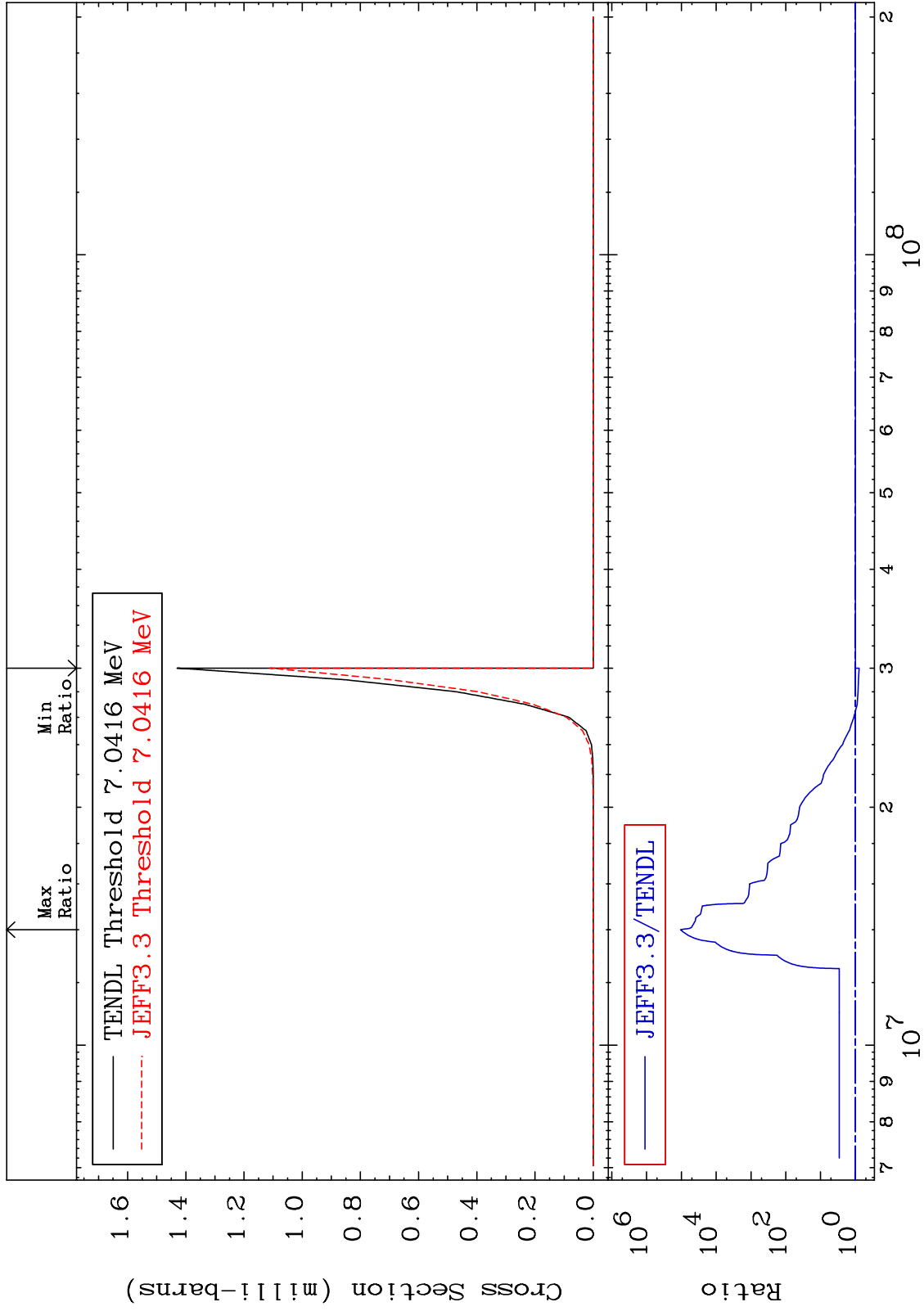
MAT 7849

(n,2n) α

78-Pt-198

-22.36 To 9999. %

Cross Section



9

Incident Energy (eV)

78-Pt-198

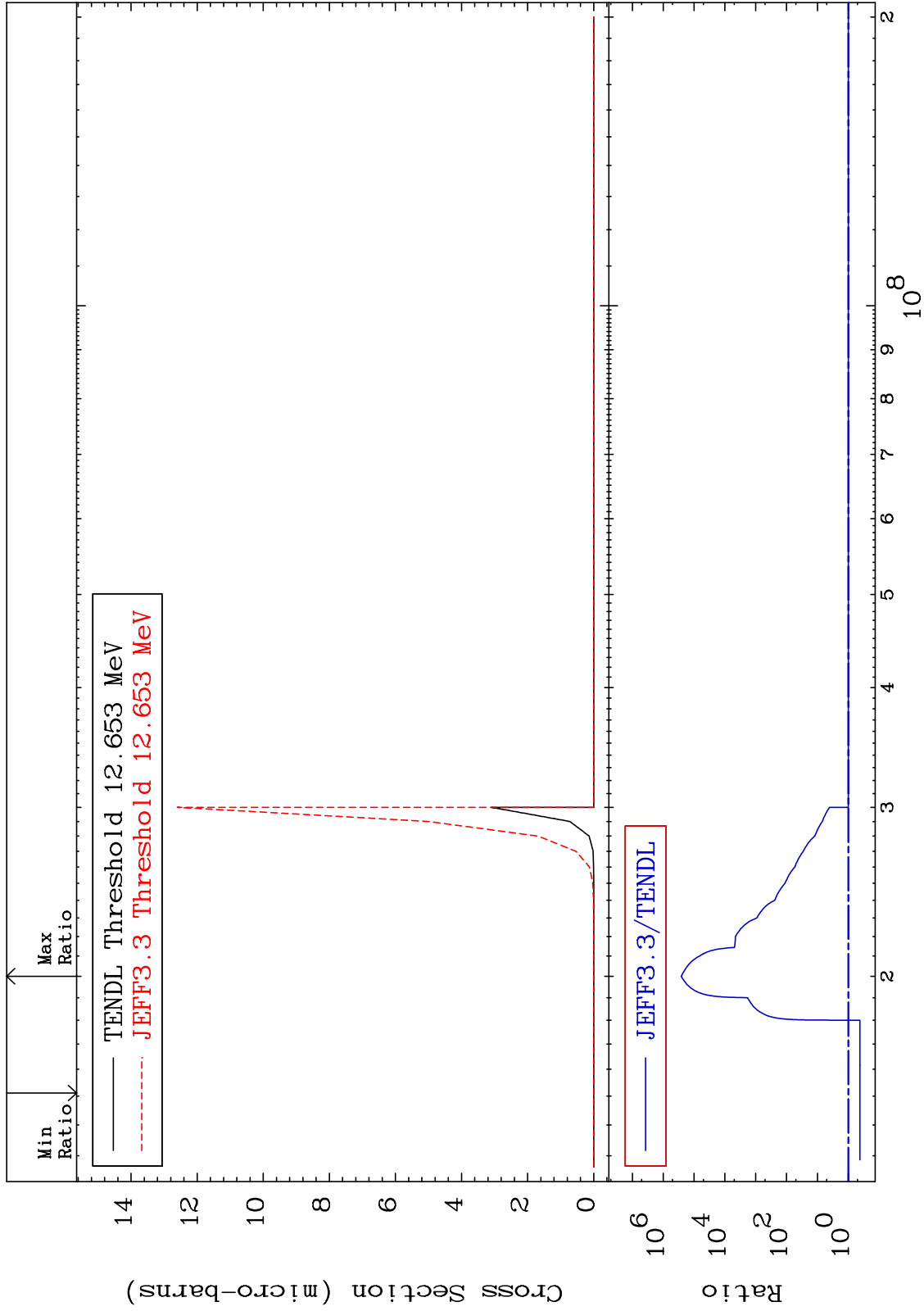
MAT 7849

(n,3n) α

78-Pt-198

Cross Section

-58.30 To 9999. %



10

Incident Energy (eV)

78-Pt-198

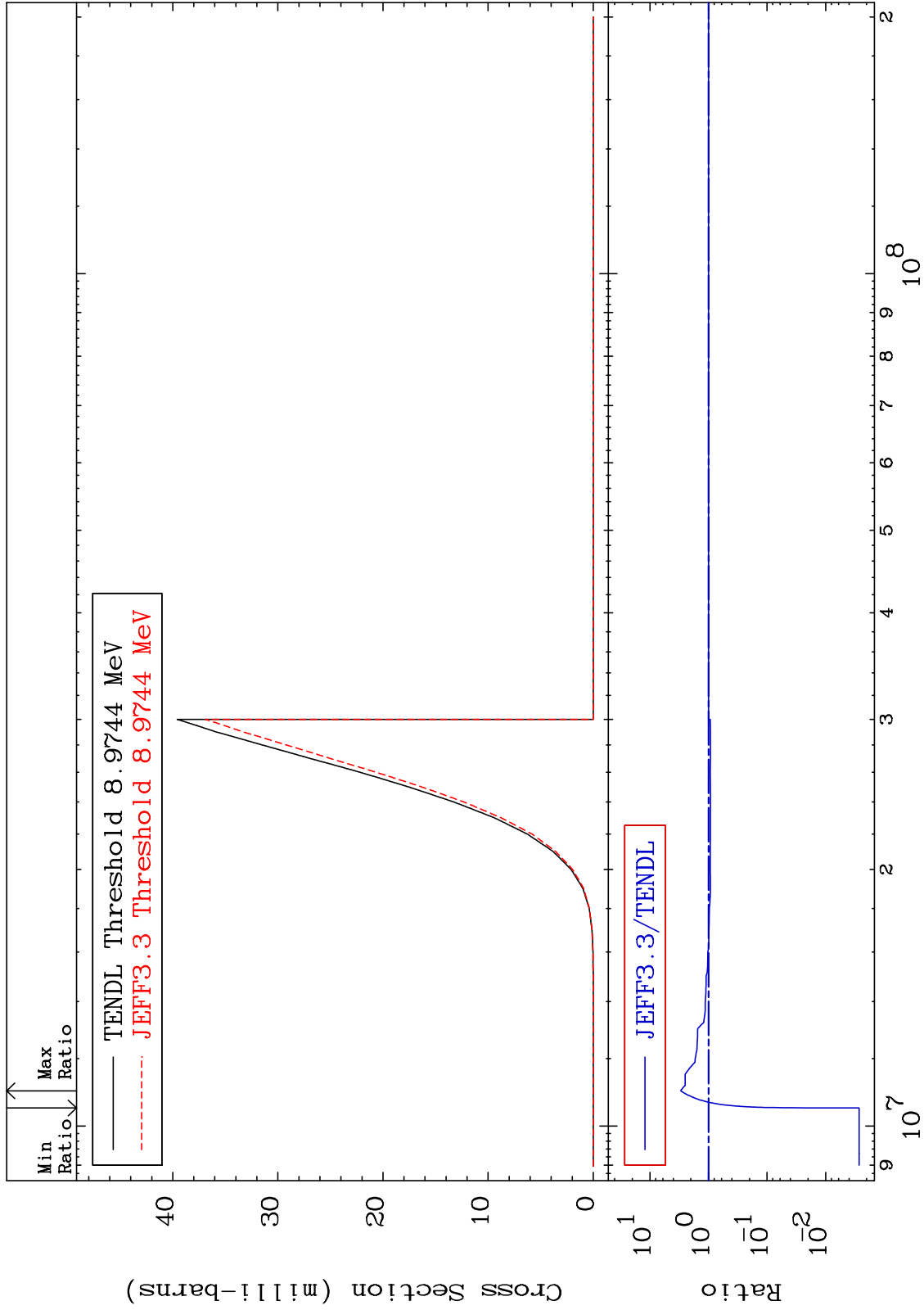
MAT 7849

(n,n') p

78-Pt-198

Cross Section

-99.73 To 199.5 %



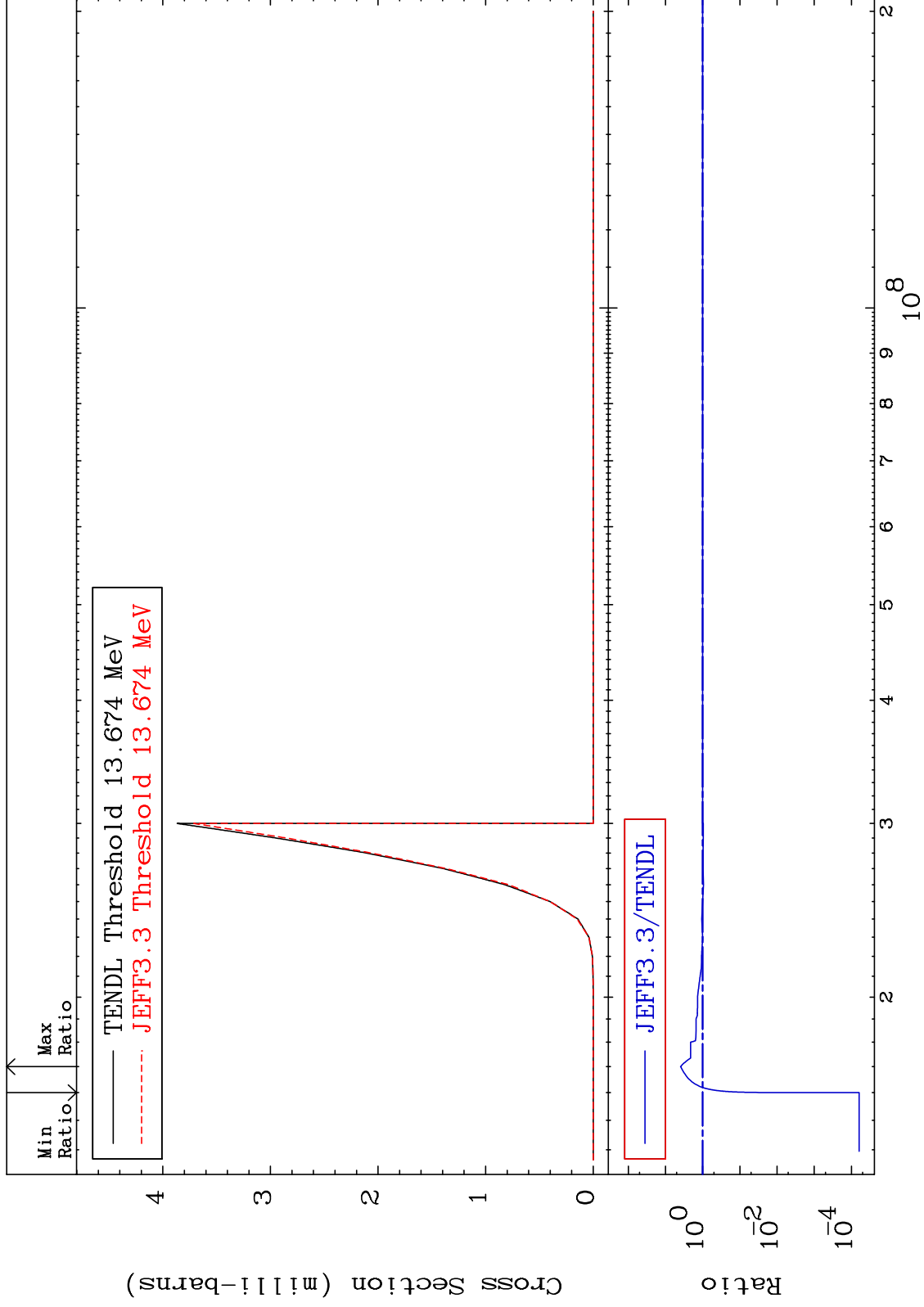
MAT 7849

(n, n') d

78-Pt-198

Cross Section

-99.99 To 292.3 %



12

Incident Energy (eV)

78-Pt-198

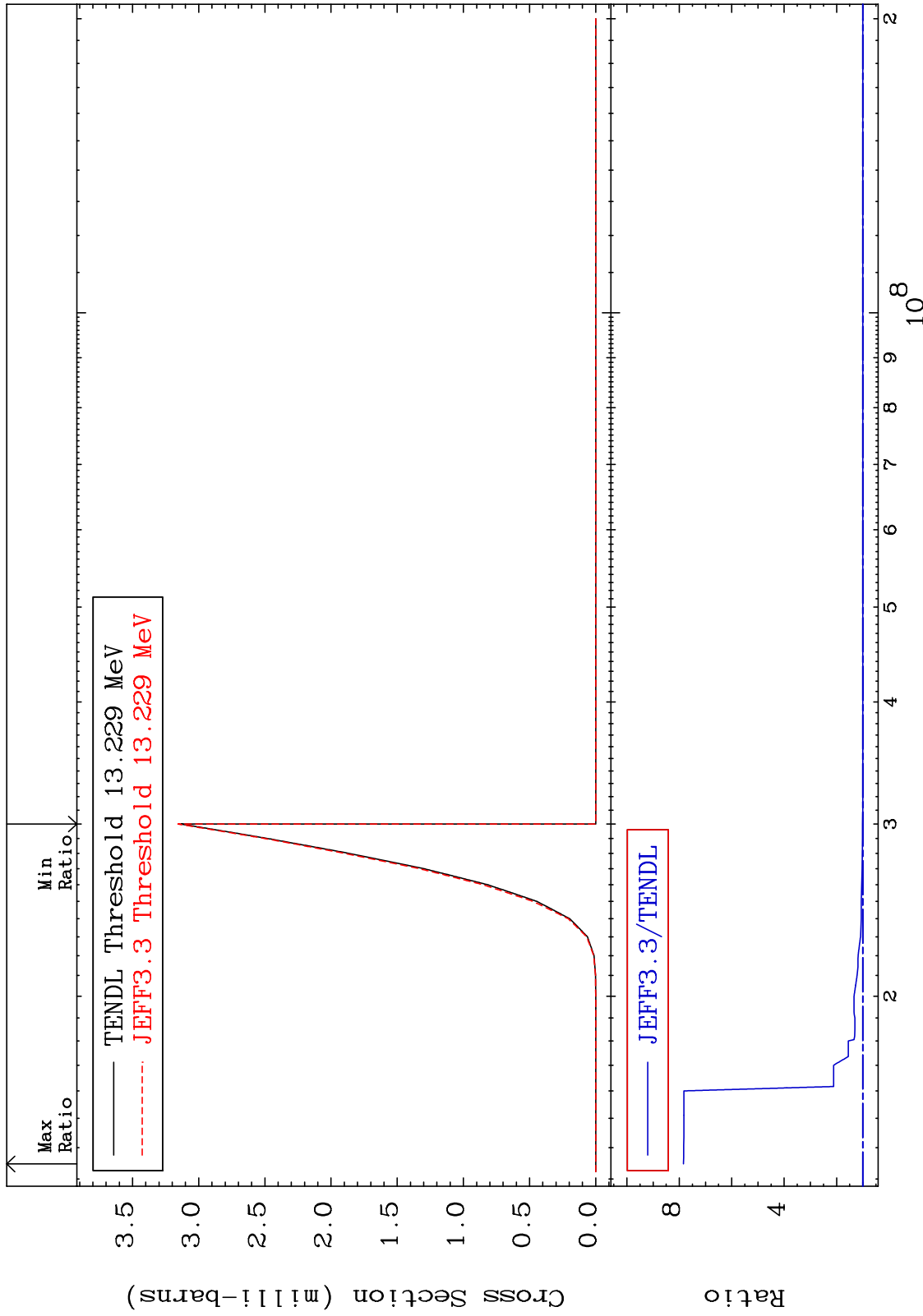
MAT 7849

(n, n') t

78-Pt-198

Cross Section

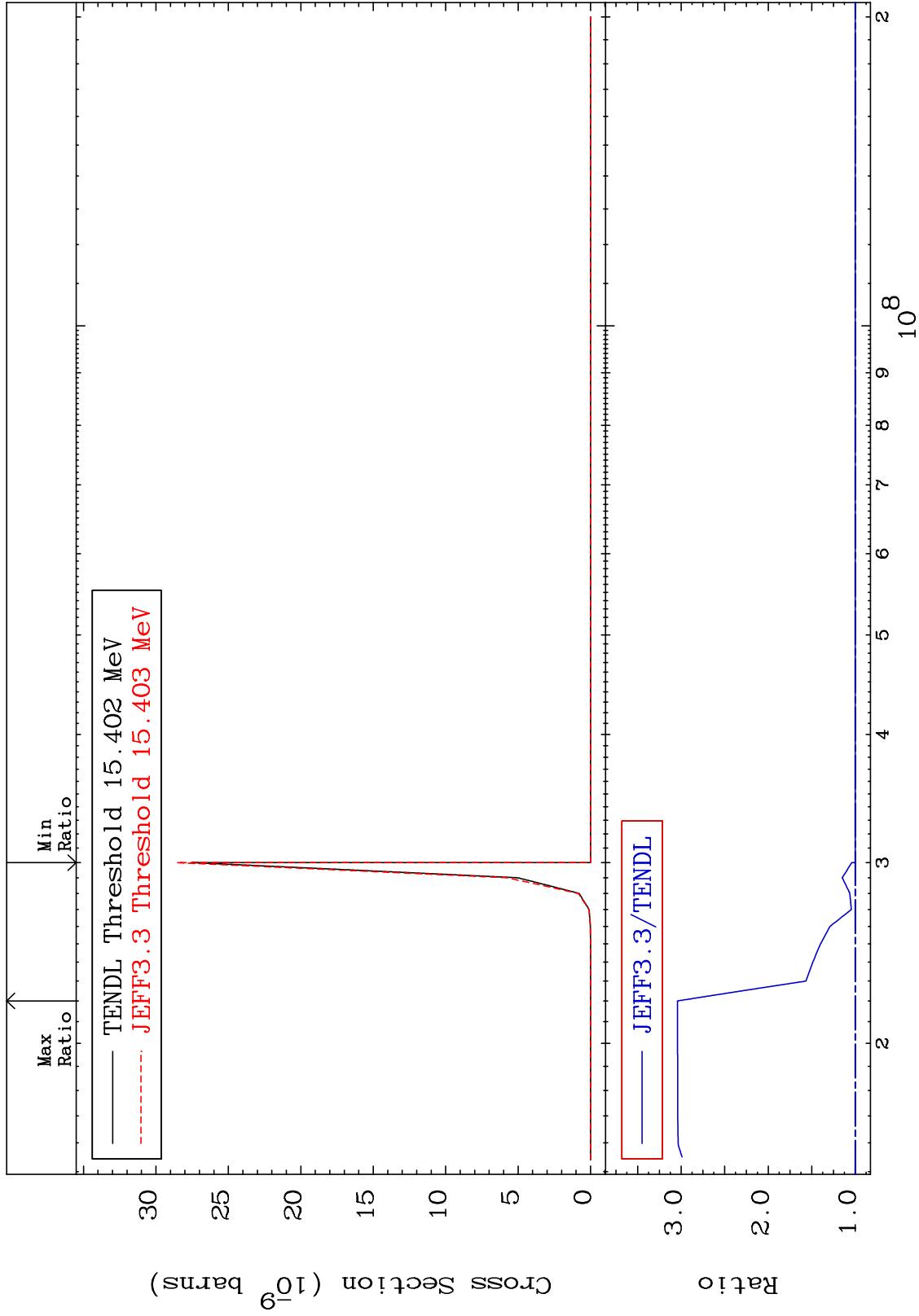
0.000 To 683.9 %



MAT 7849

(n, n') He-3
Cross Section

78-Pt-198
0.000 To 204.2 %



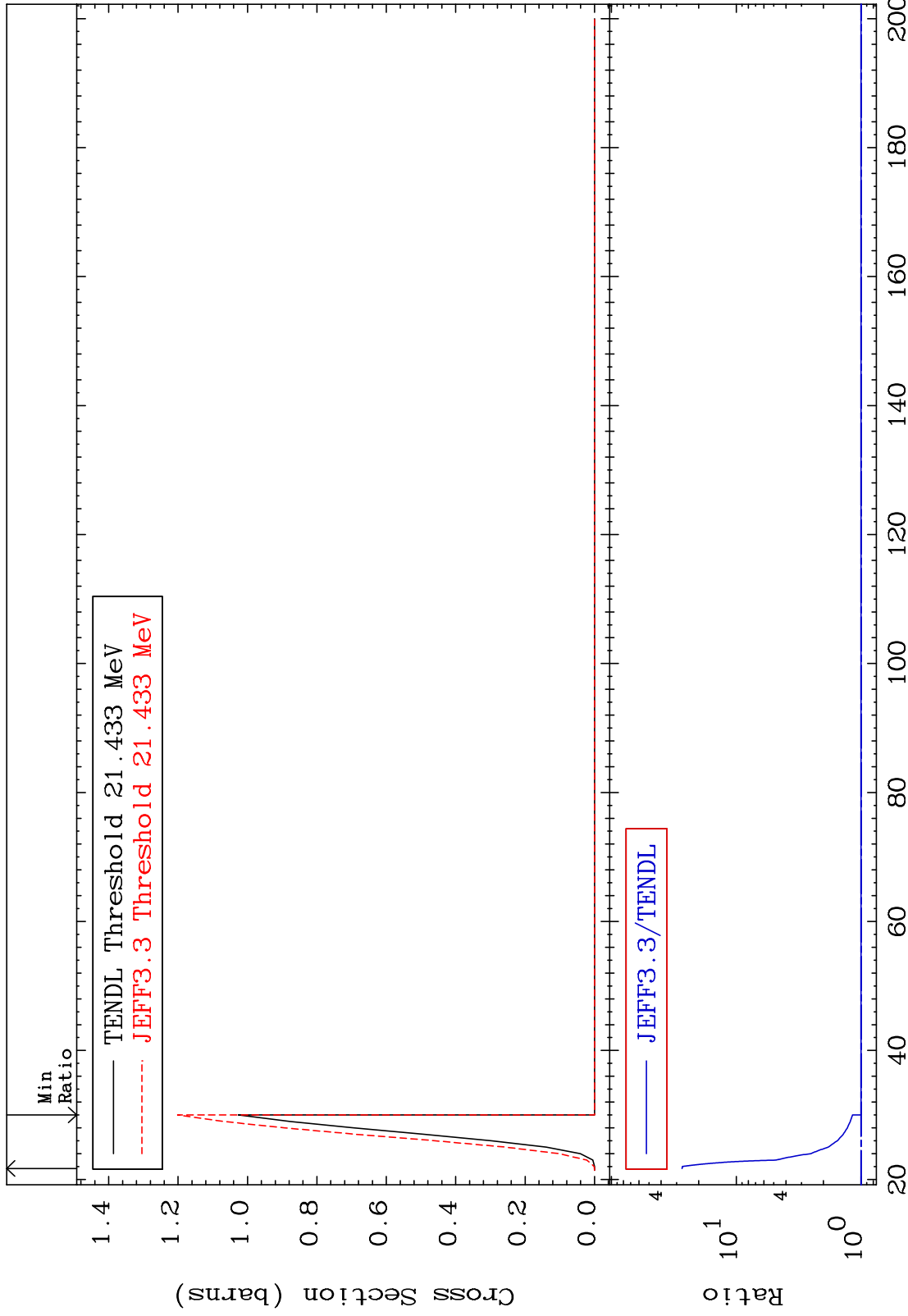
MAT 7849

(n, 4n)

⁷⁸Pt-198

Cross Section

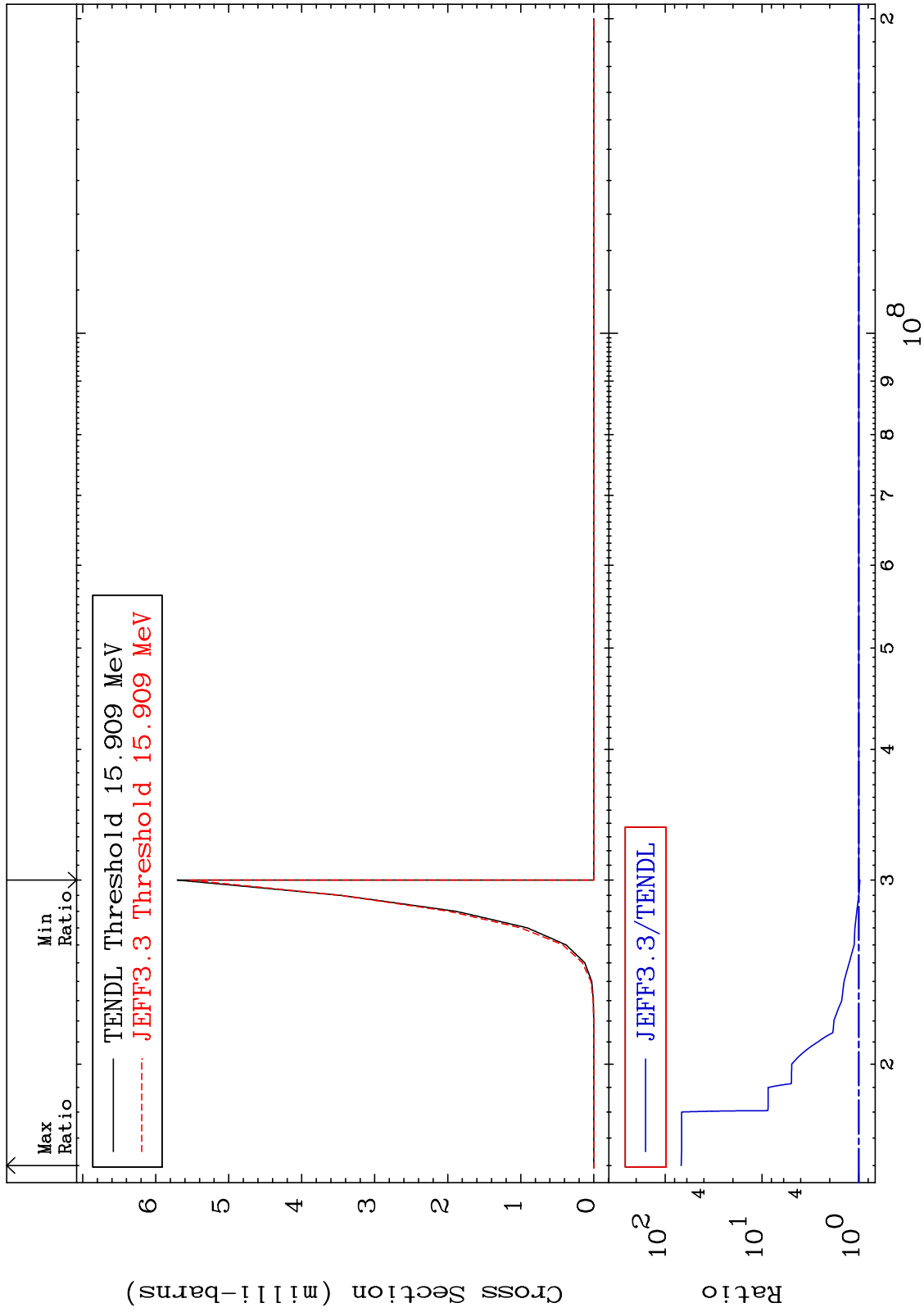
0.000 To 2611. %



MAT 7849

(n,2n) p
Cross Section

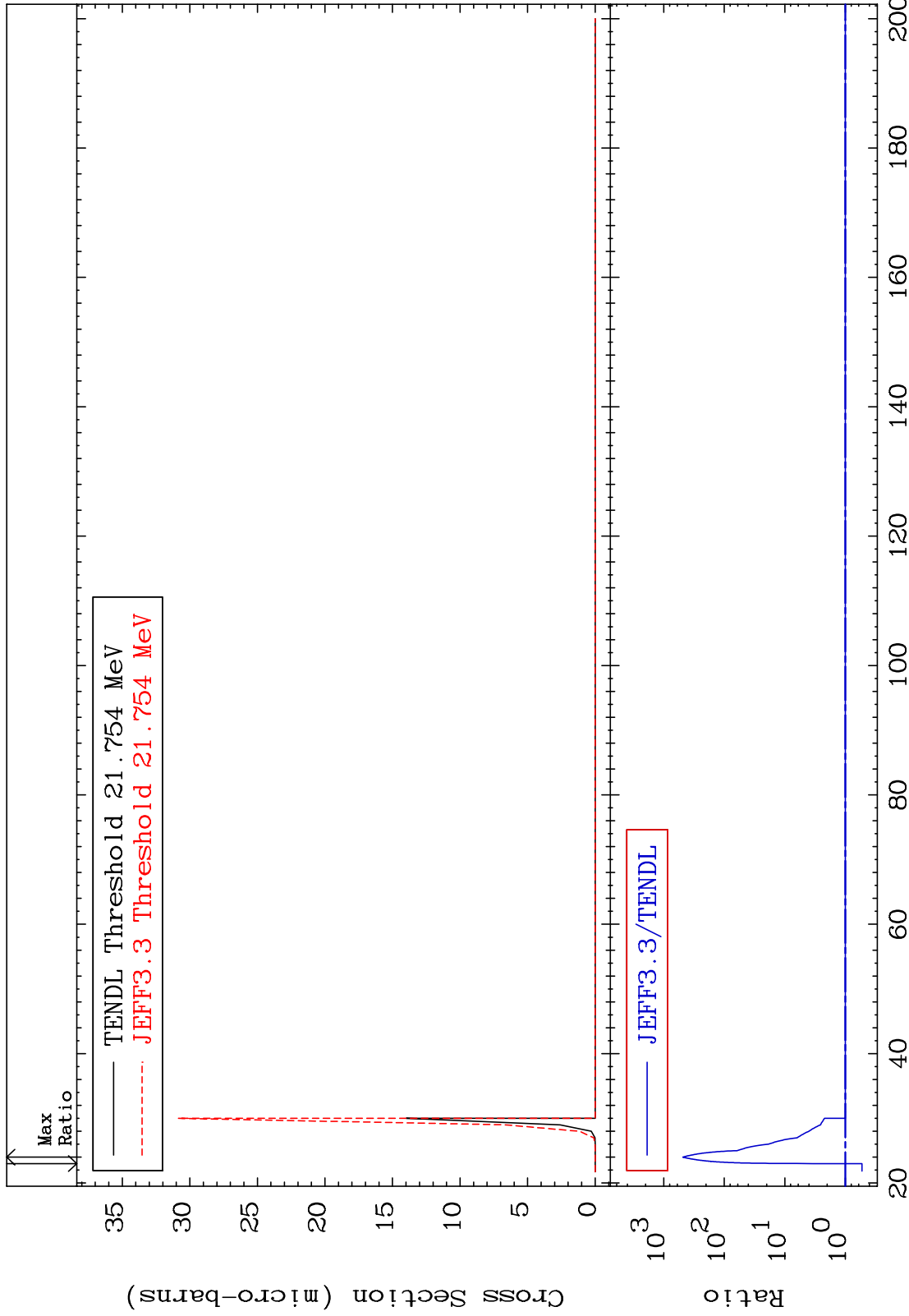
78-Pt-198
-2.540 To 6744. %



MAT 7849

(n,3n) p
Cross Section

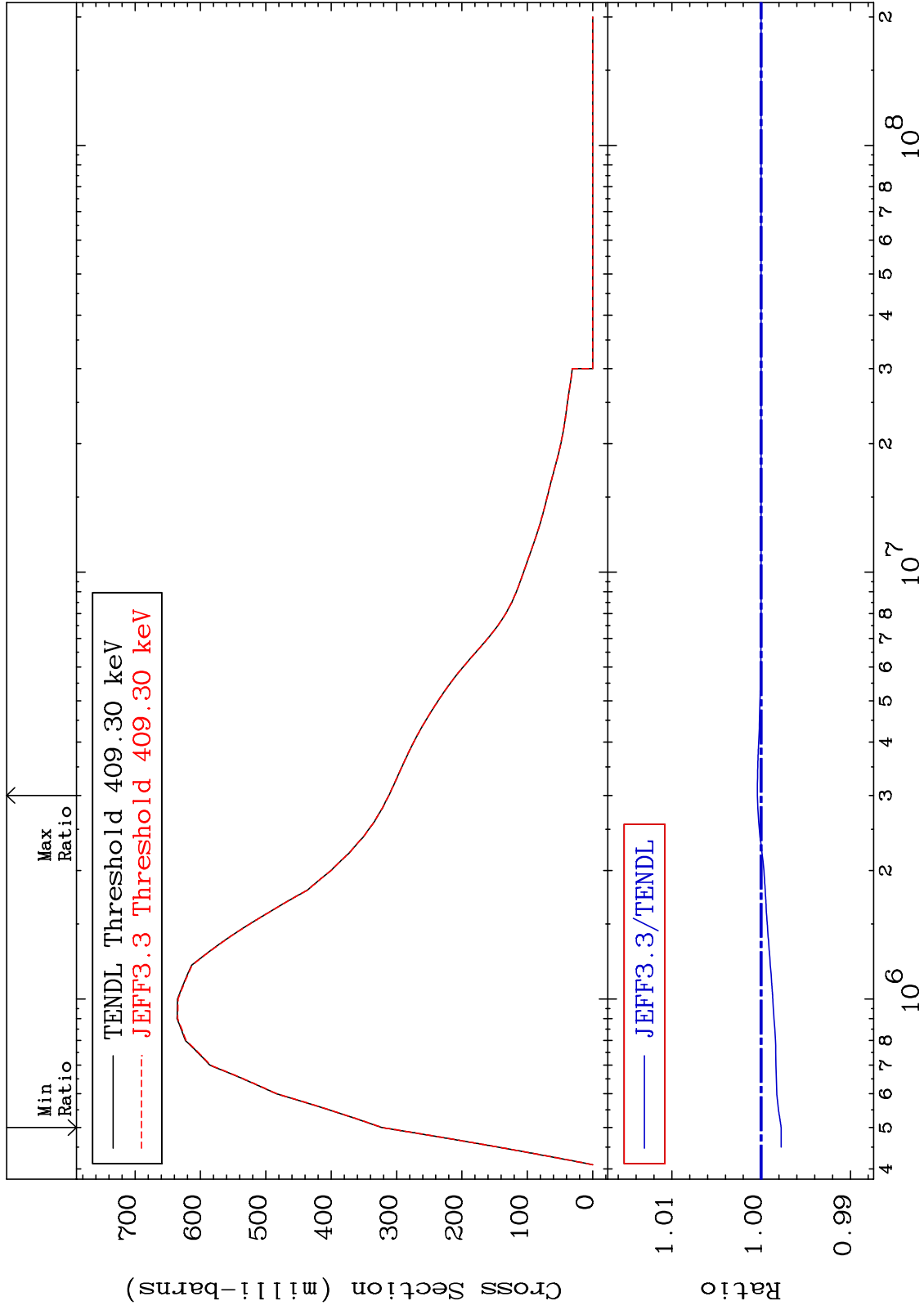
78-Pt-198
-47.11 To 9999. %



MAT 7849

MT= 51 (n,n') Level
Cross Section

78-Pt-198
-0.224 To 0.043 %



18

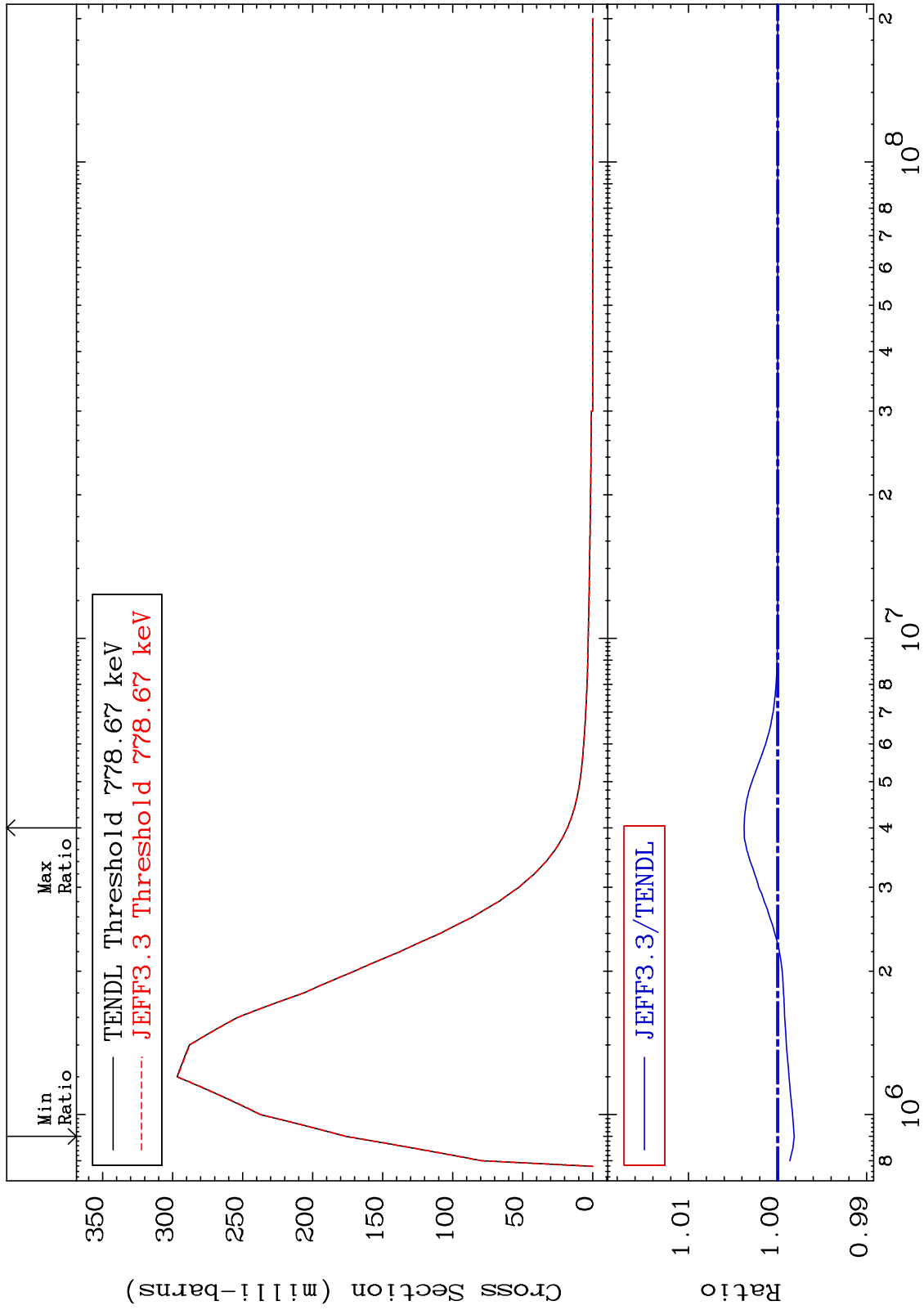
Incident Energy (eV)

78-Pt-198

MAT 7849

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

78-Pt-198
-0.187 To 0.376 %



19

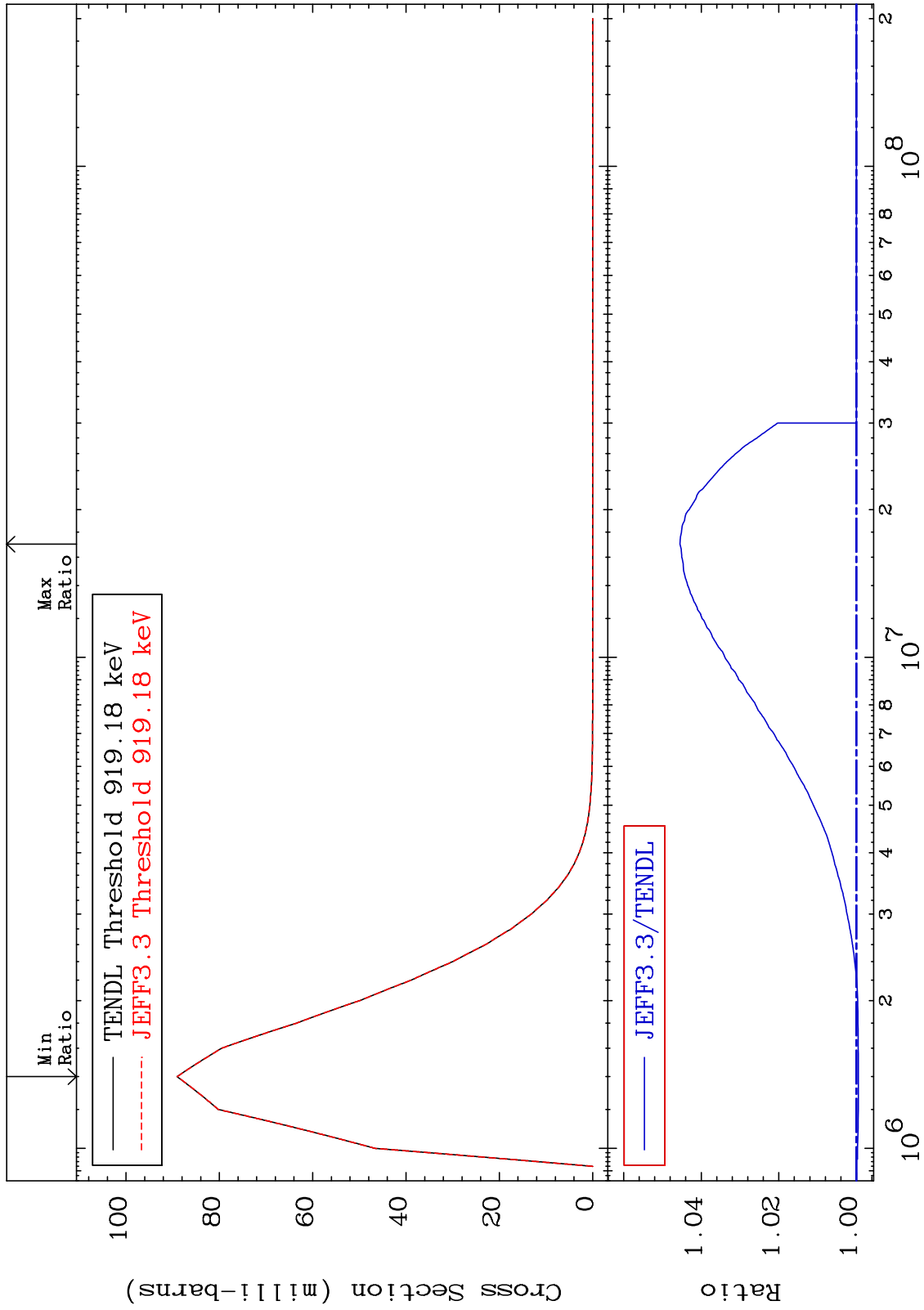
78-Pt-198

78-Pt-198

MAT 7849

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

78-Pt-198
-0.051 To 4.547 %



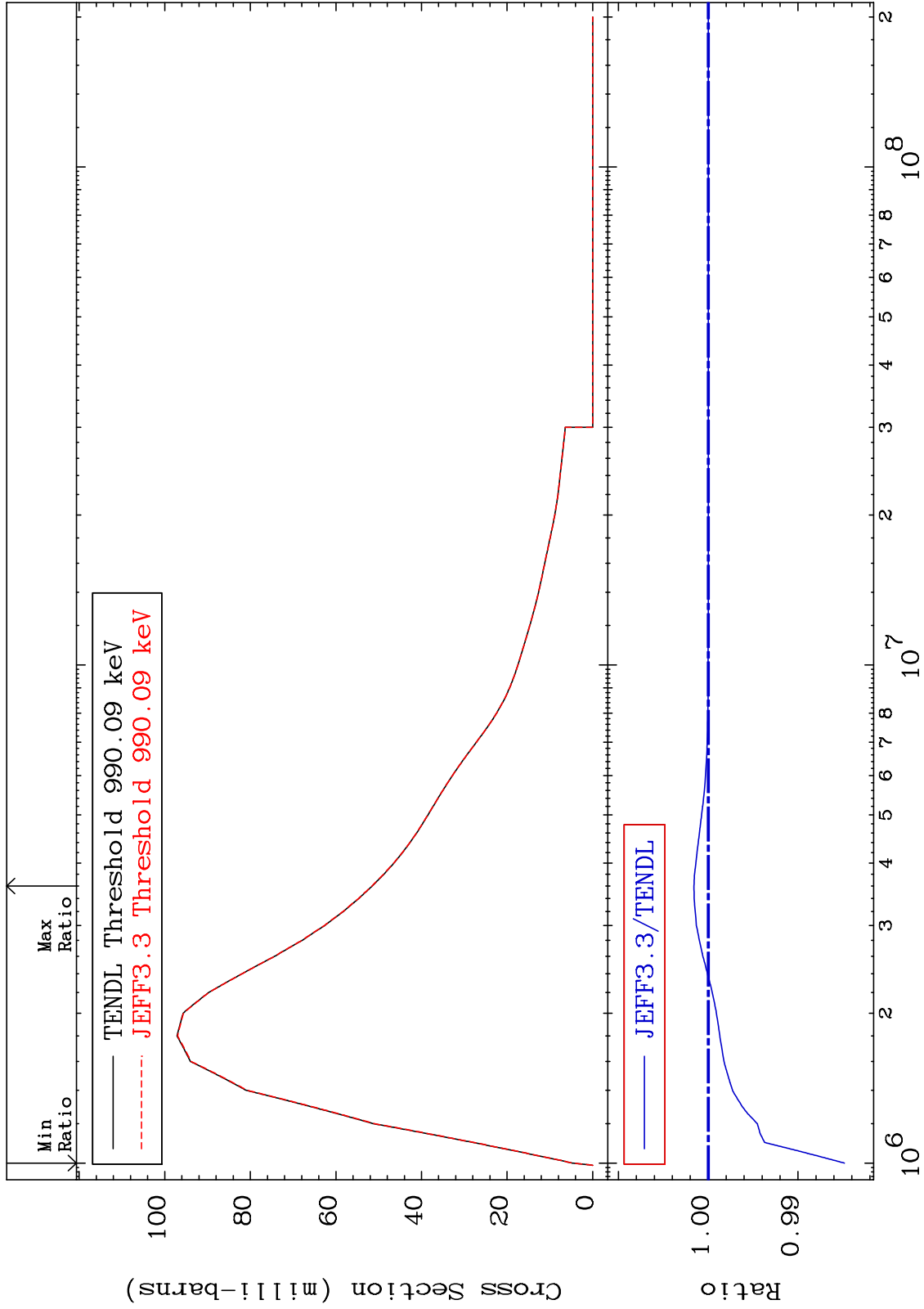
Incident Energy (eV)

78-Pt-198

MAT 7849

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

78-Pt-198
-1.517 To 0.159 %



21

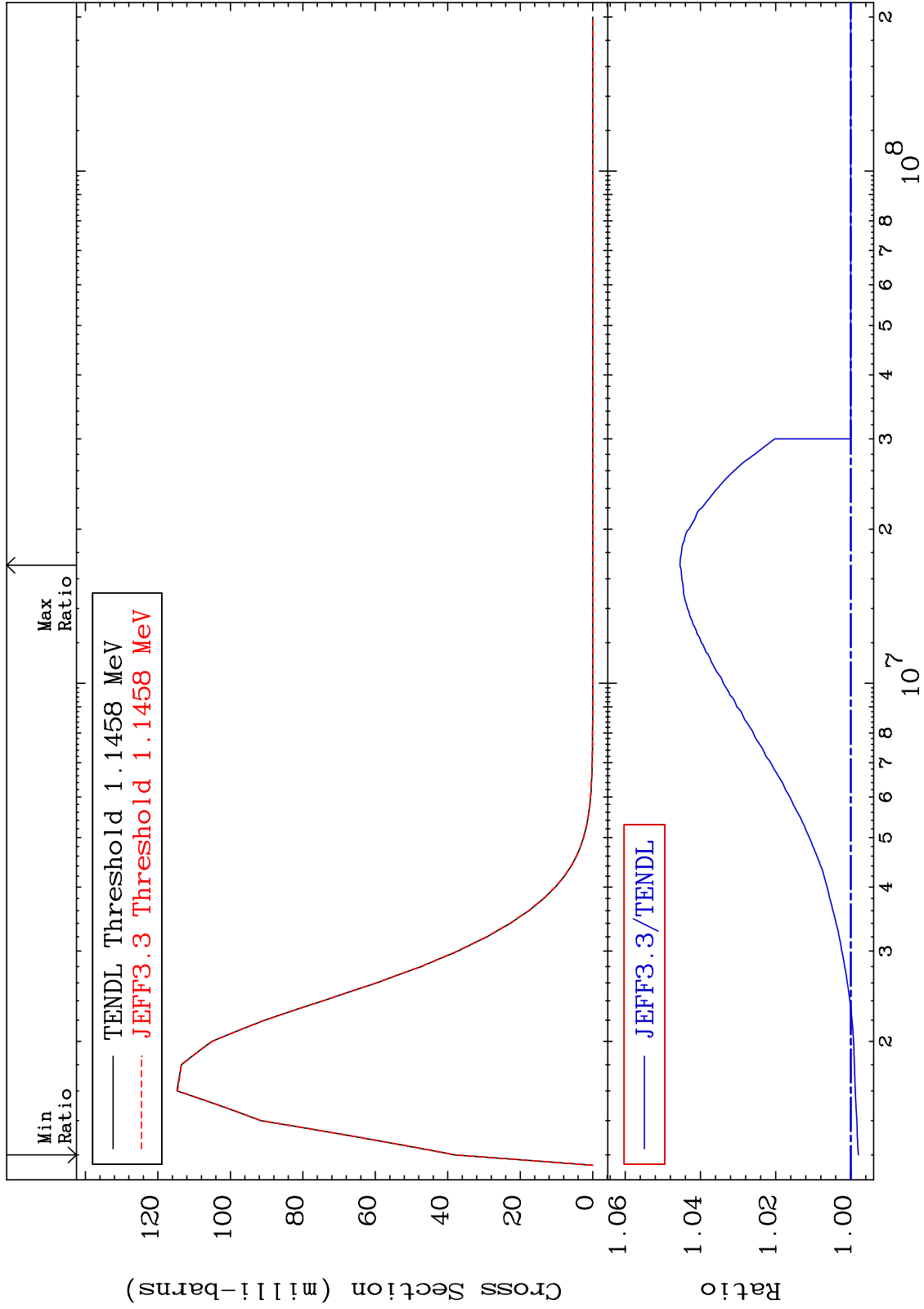
Incident Energy (eV)

78-Pt-198

MAT 7849

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

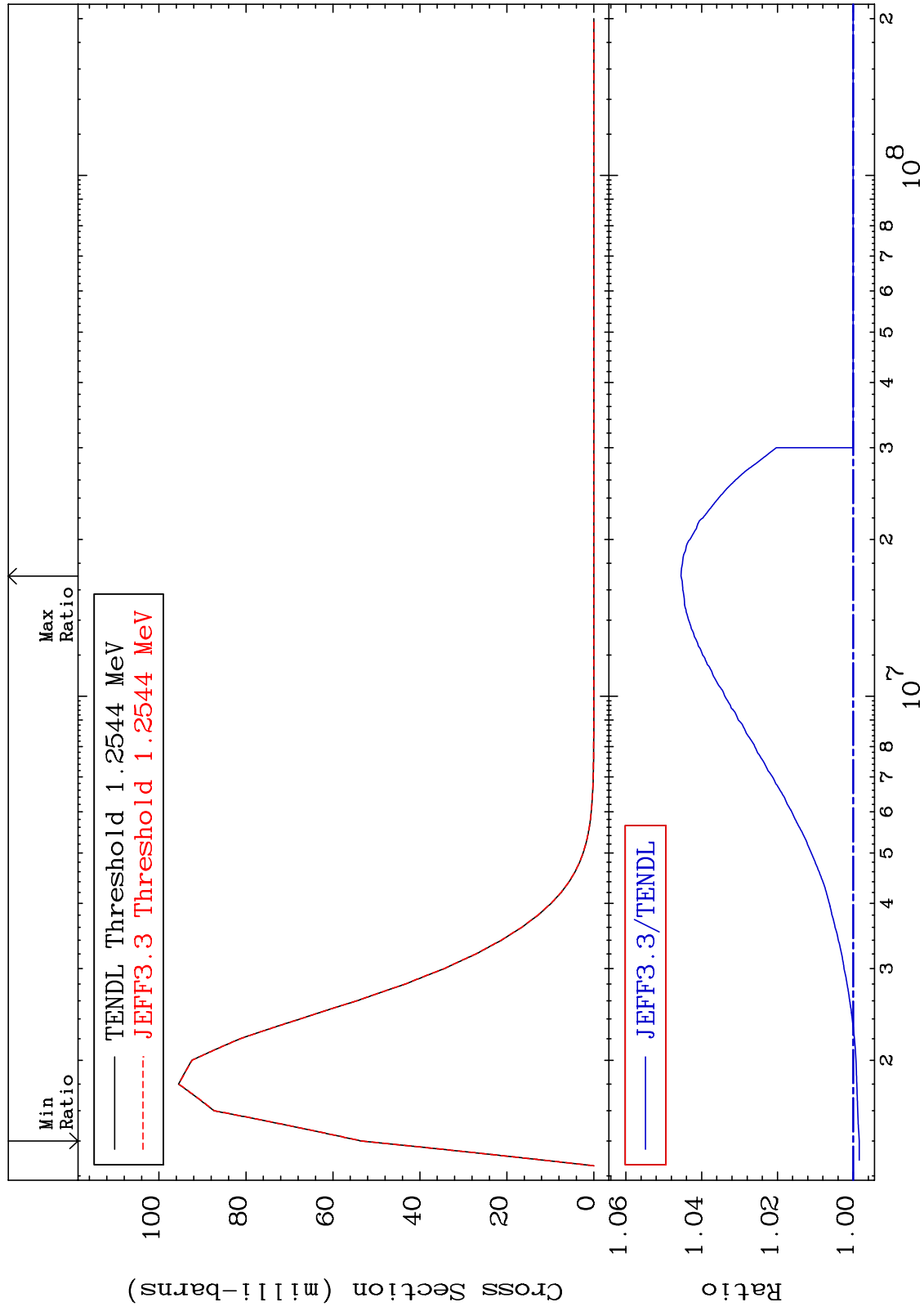
78-Pt-198
-0.202 To 4.544 %



MAT 7849

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

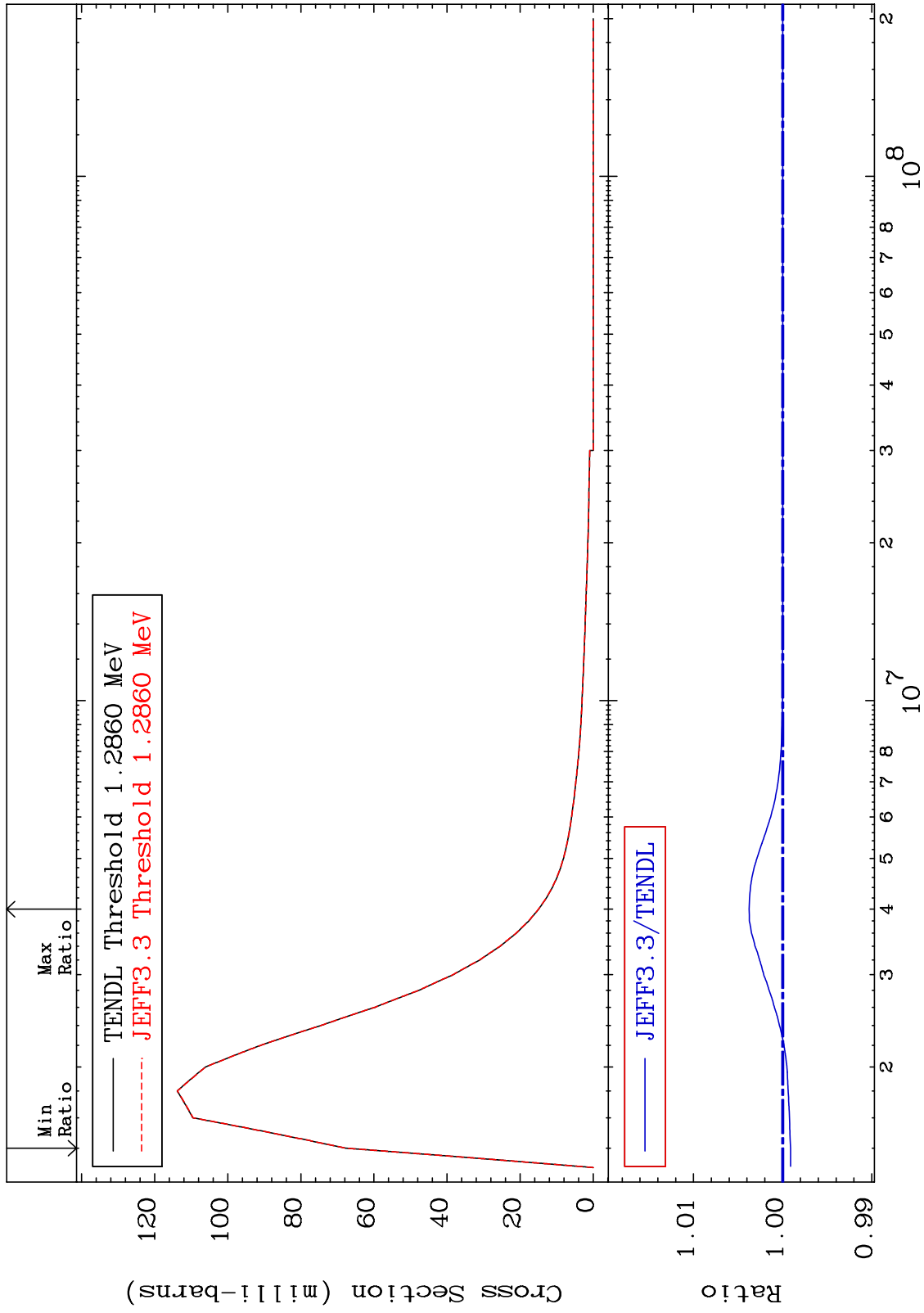
78-Pt-198
-0.160 To 4.544 %



MAT 7849

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

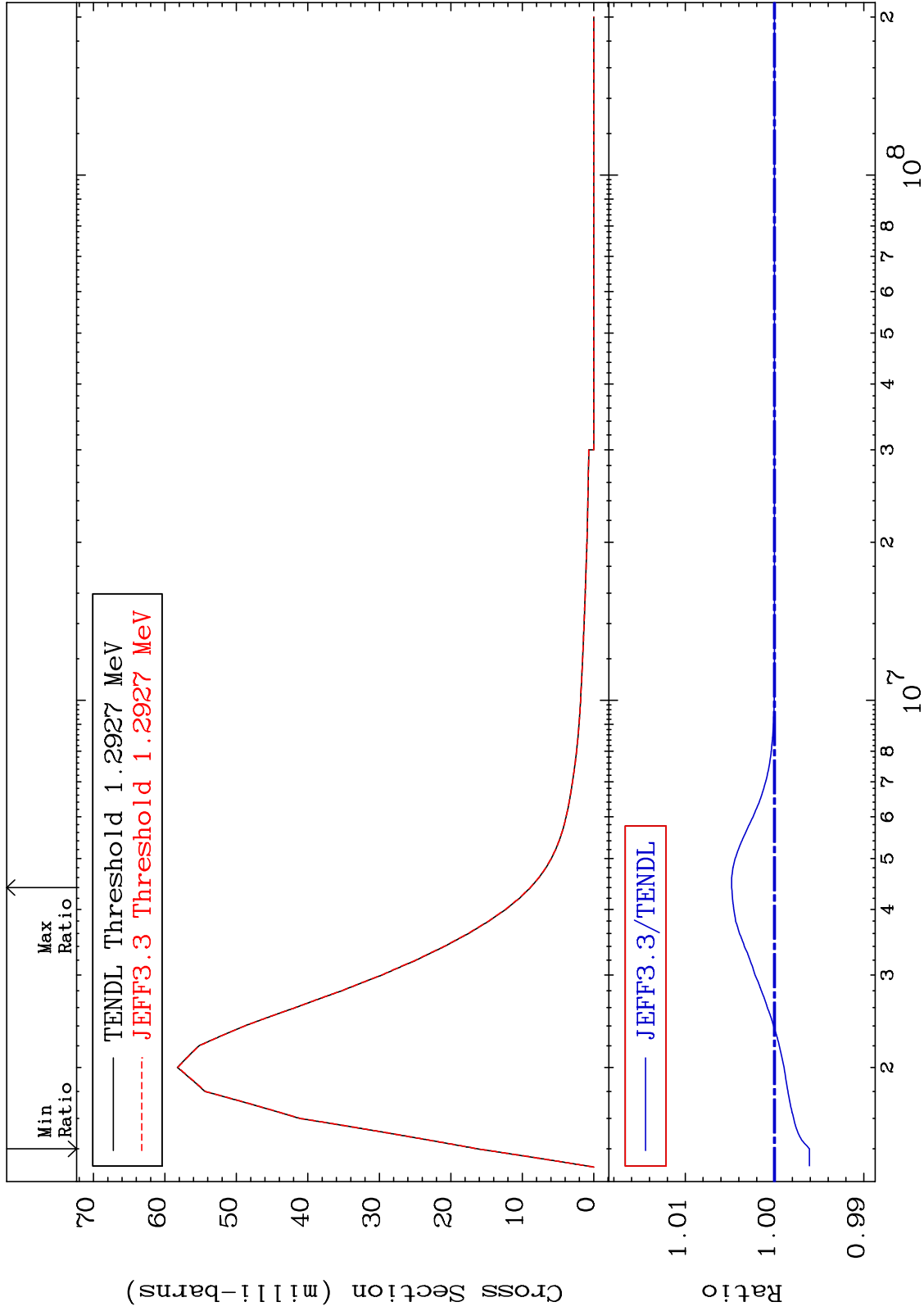
78-Pt-198
-0.090 To 0.376 %



MAT 7849

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

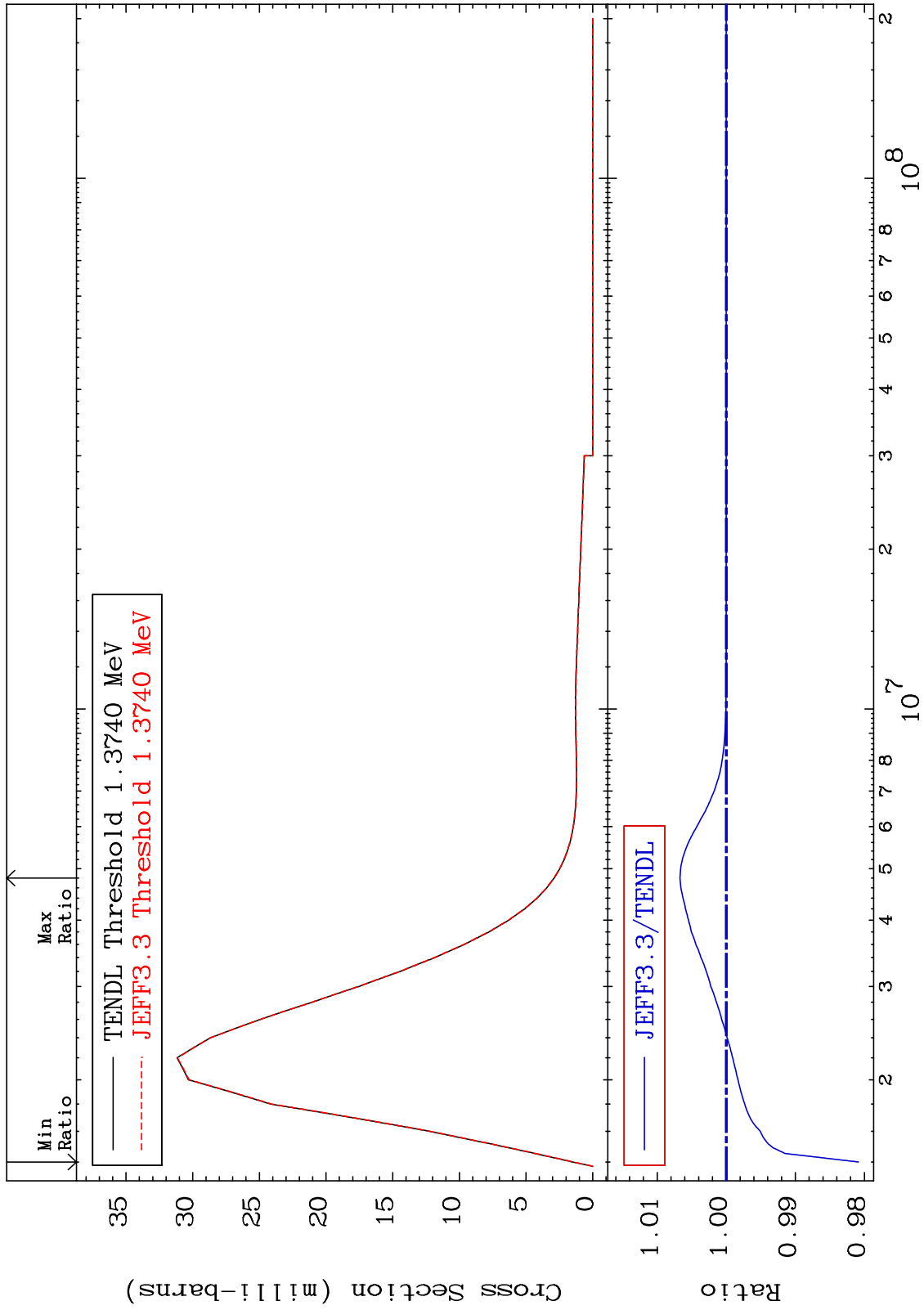
78-Pt-198
-0.391 To 0.479 %



MAT 7849

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

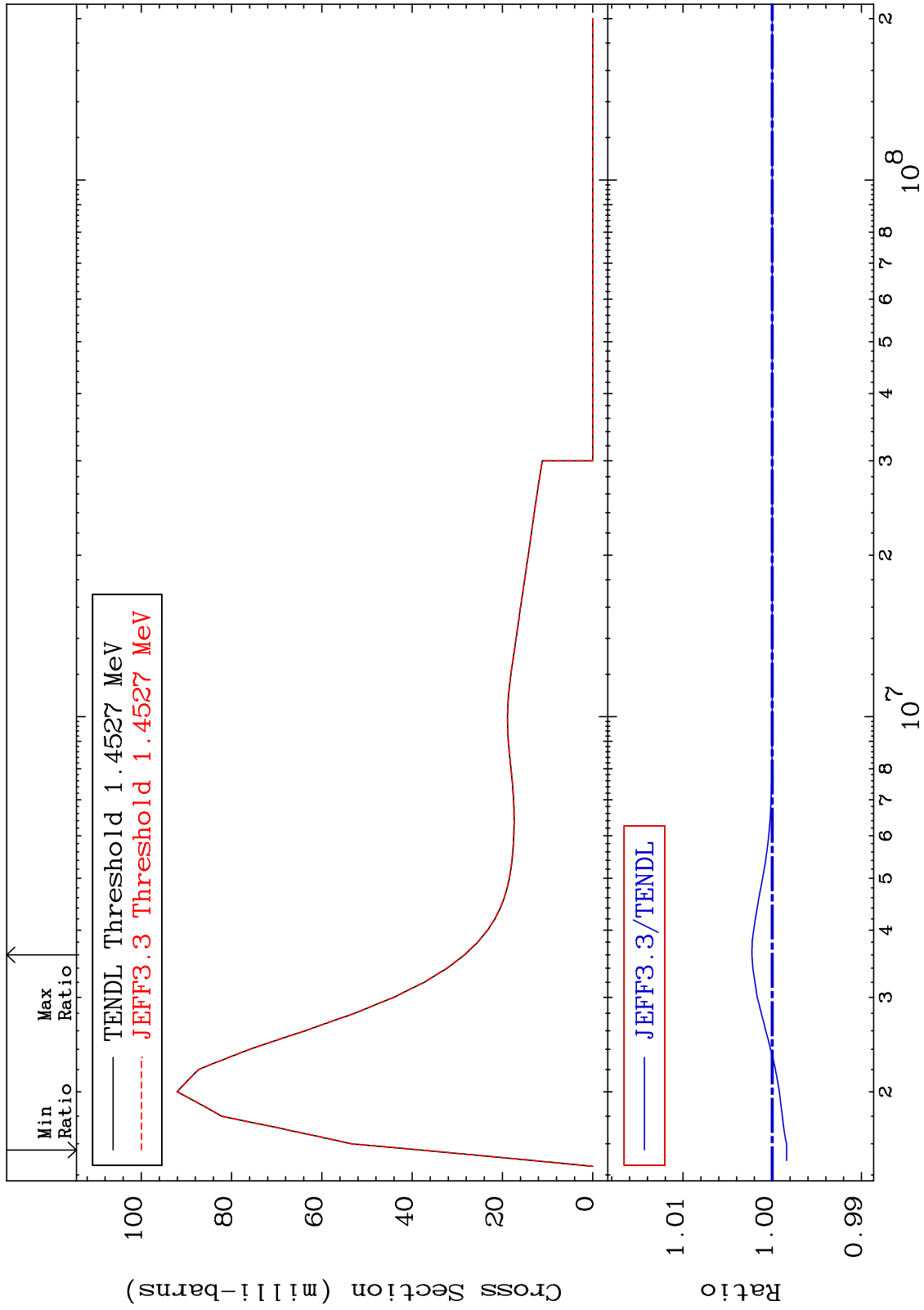
78-Pt-198
-1.913 To 0.670 %



MAT 7849

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

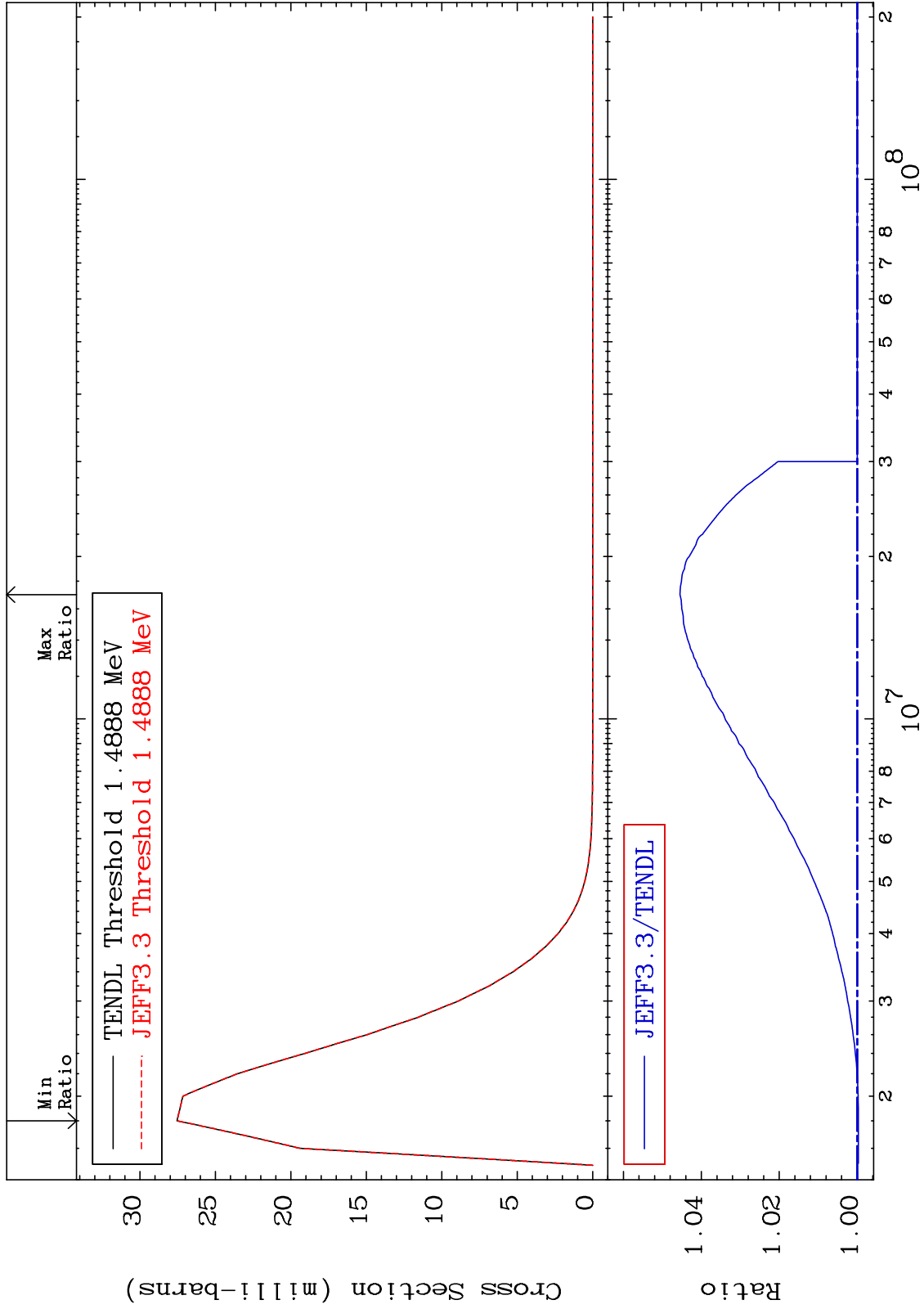
78-Pt-198
-0.160 To 0.228 %



MAT 7849

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

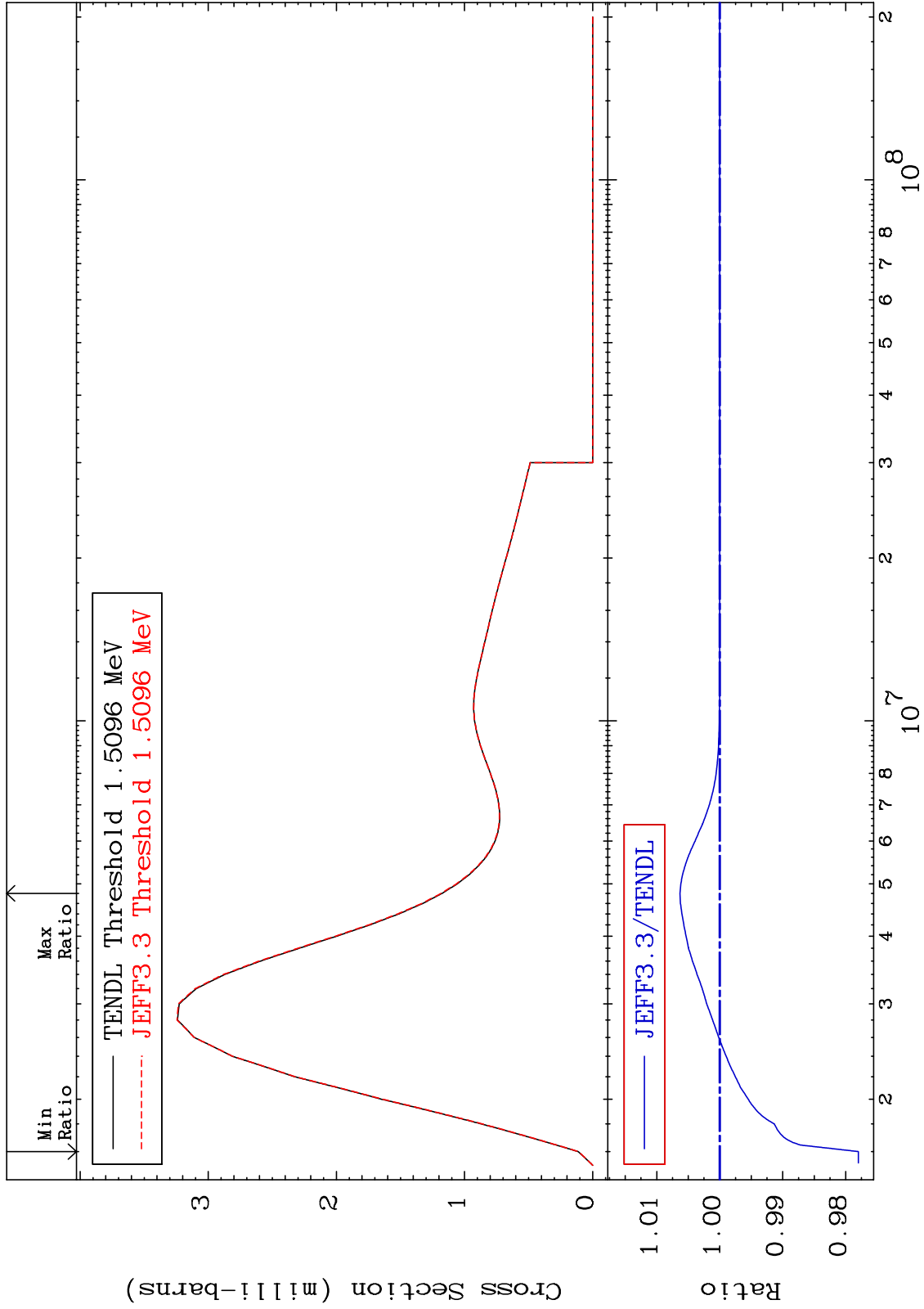
78-Pt-198
-0.030 To 4.547 %



MAT 7849

MT= 62 (n,n') Level
Cross Section

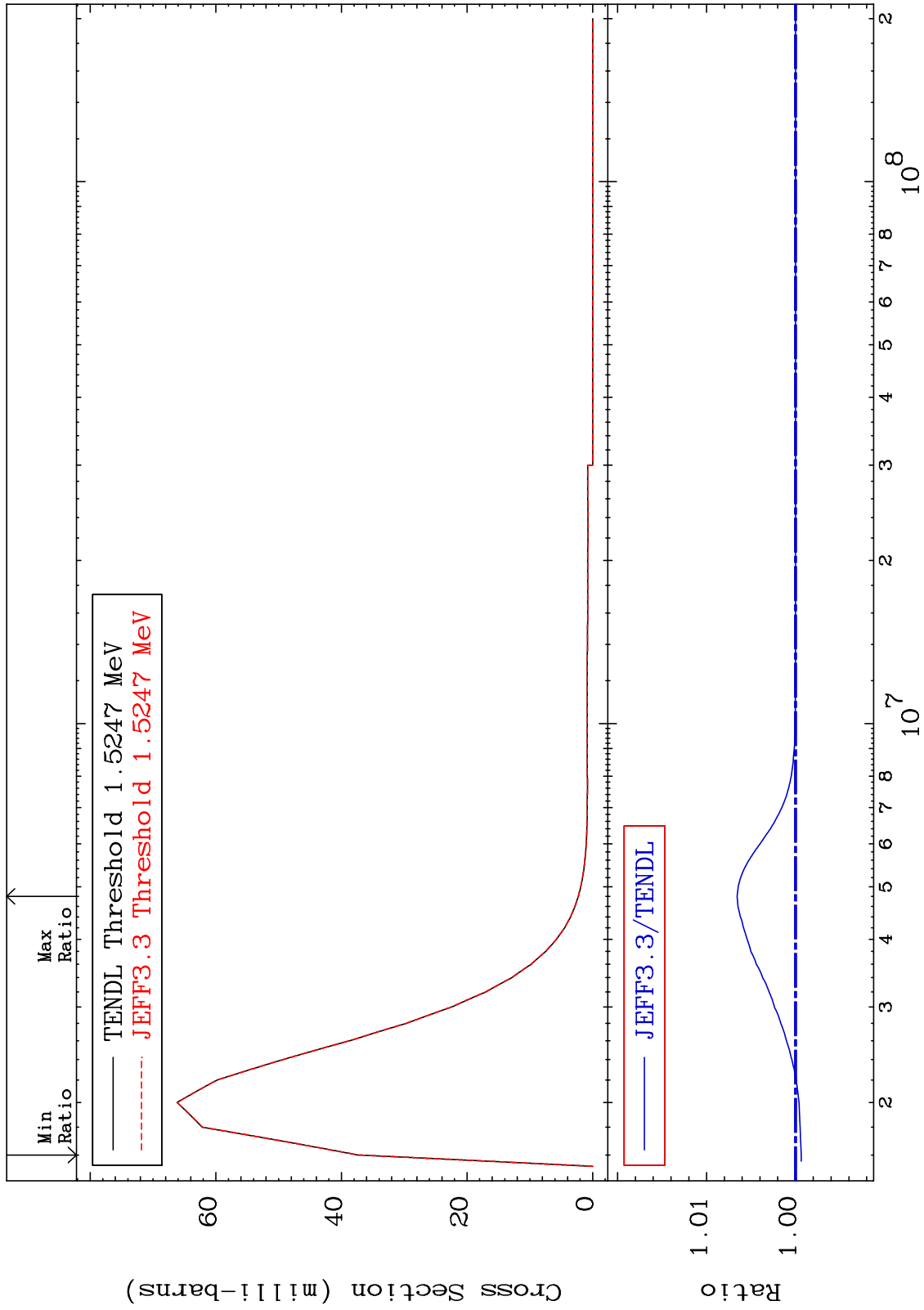
78-Pt-198
-2.201 To 0.630 %



MAT 7849

MT= 63 (n,n') Level
Cross Section

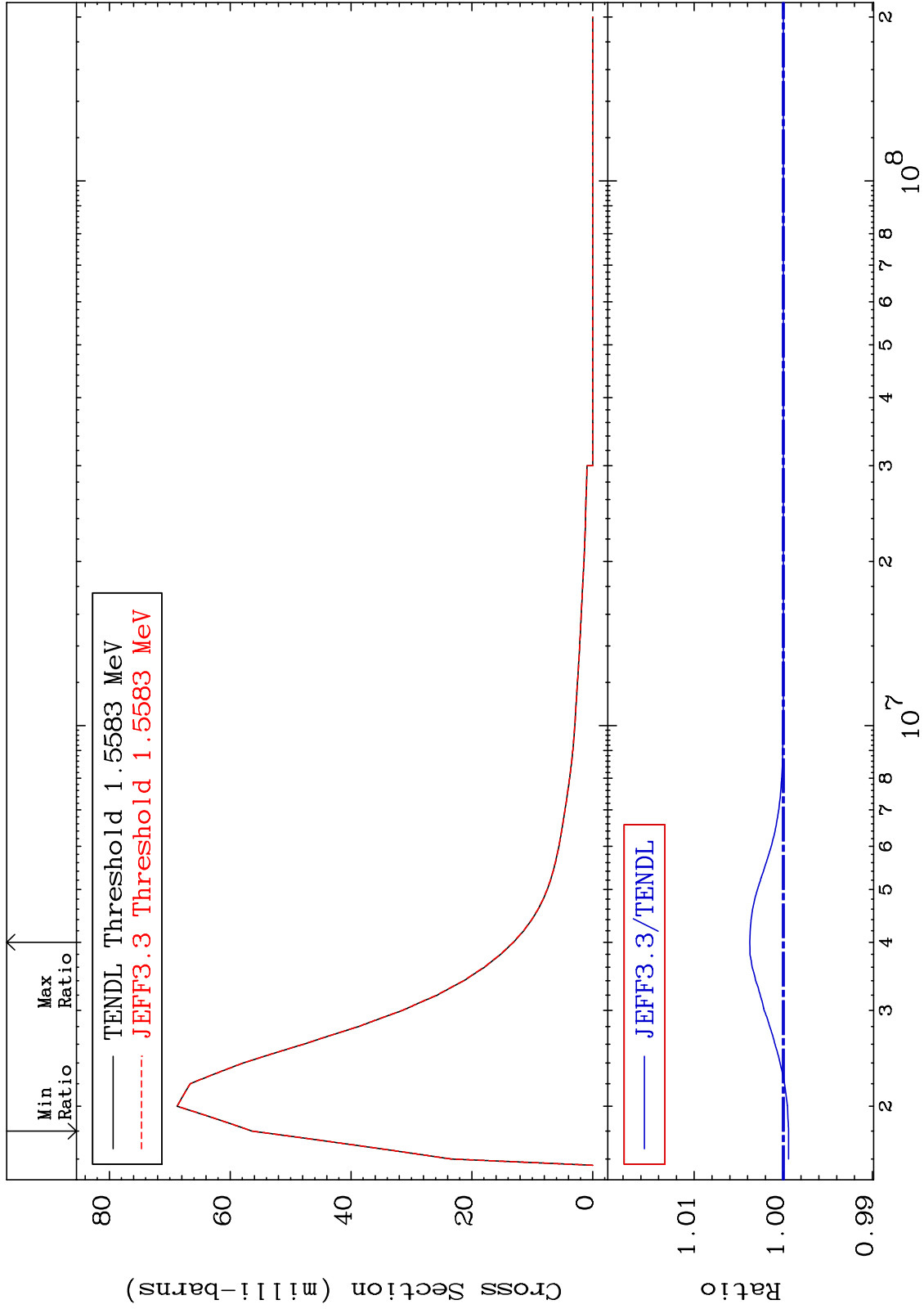
78-Pt-198
-0.065 To 0.657 %



MAT 7849

MT= 64 (n,n') Level
Cross Section

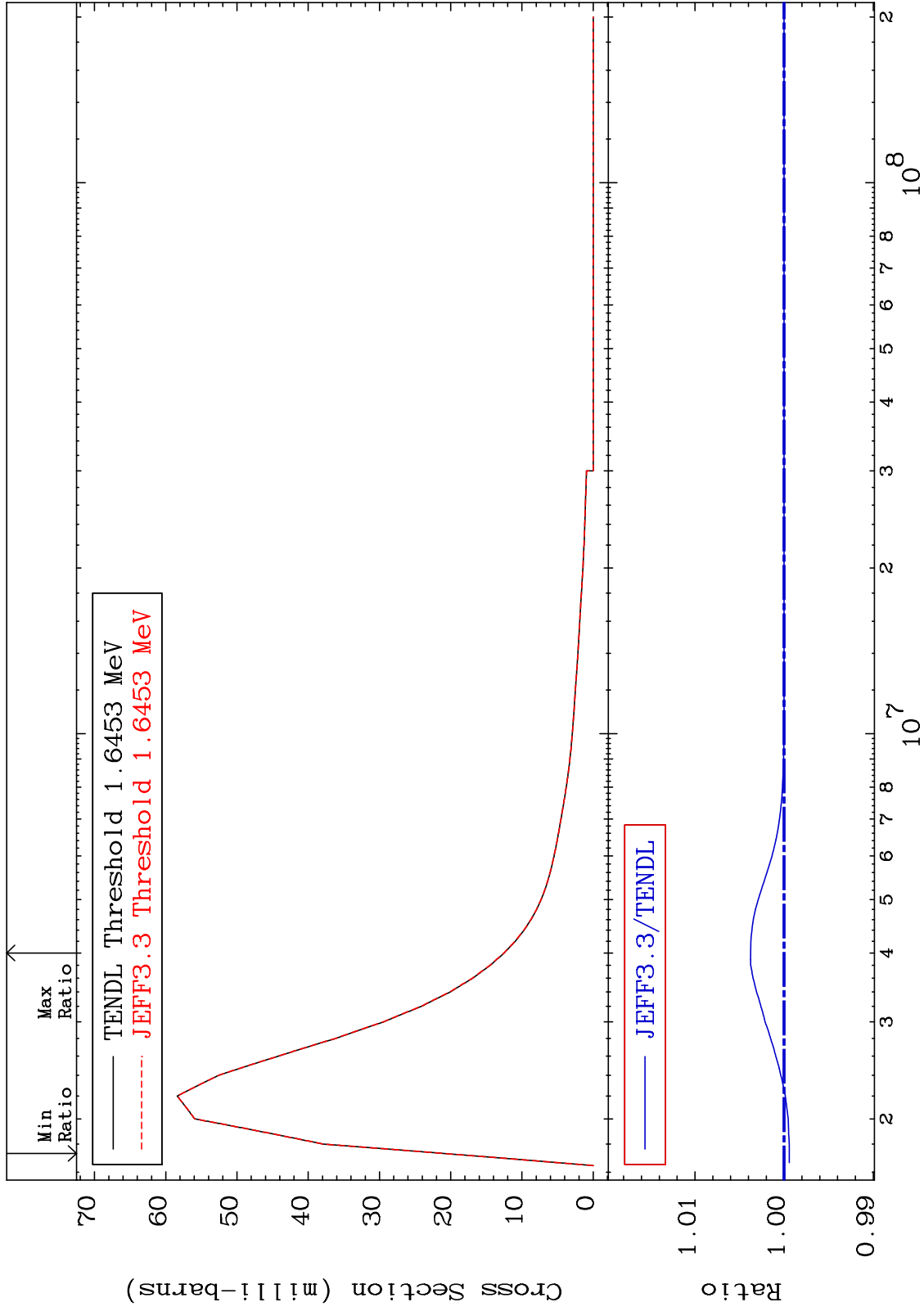
78-Pt-198
-0.060 To 0.376 %



MAT 7849

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

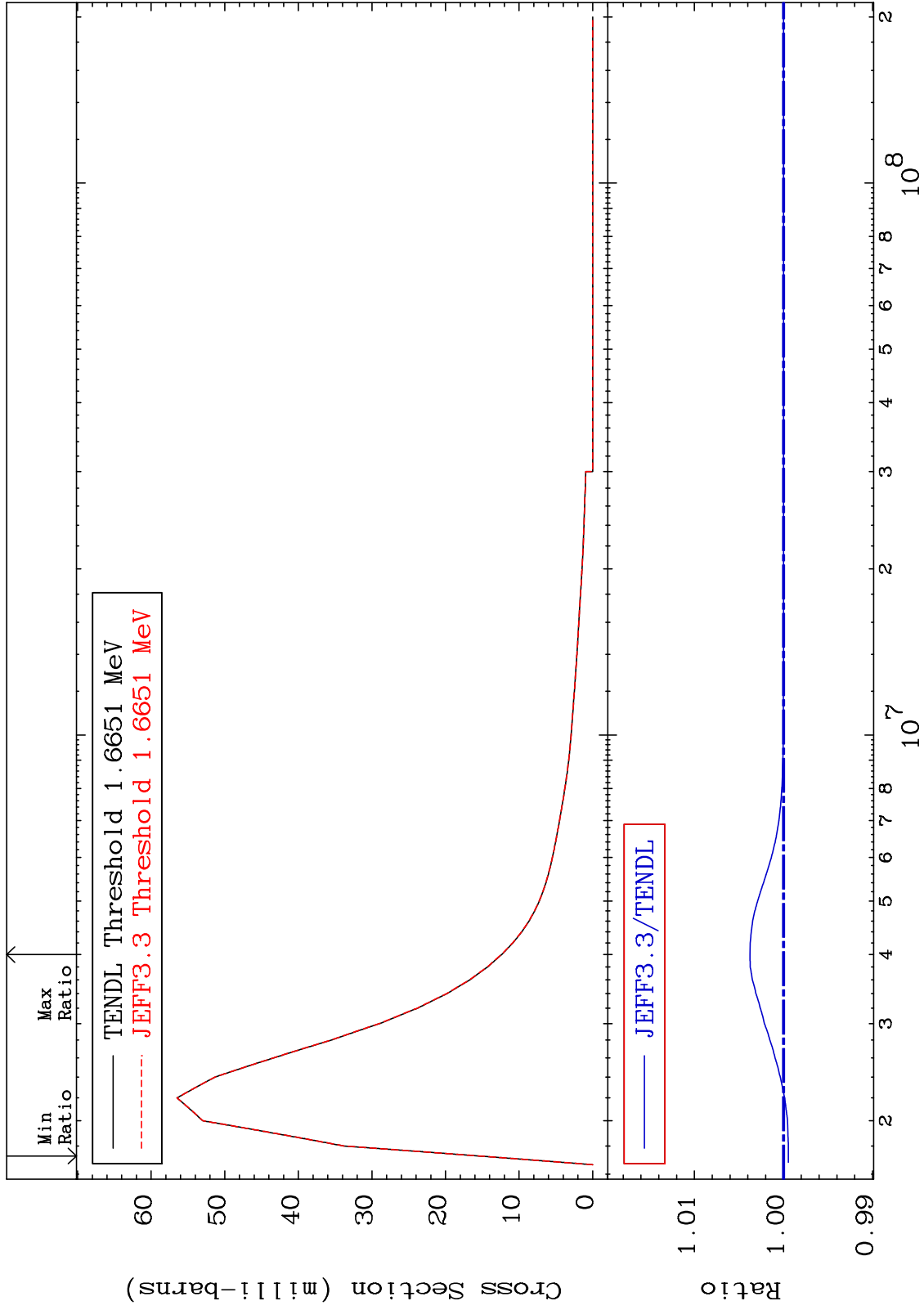
78-Pt-198
-0.057 To 0.376 %



MAT 7849

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

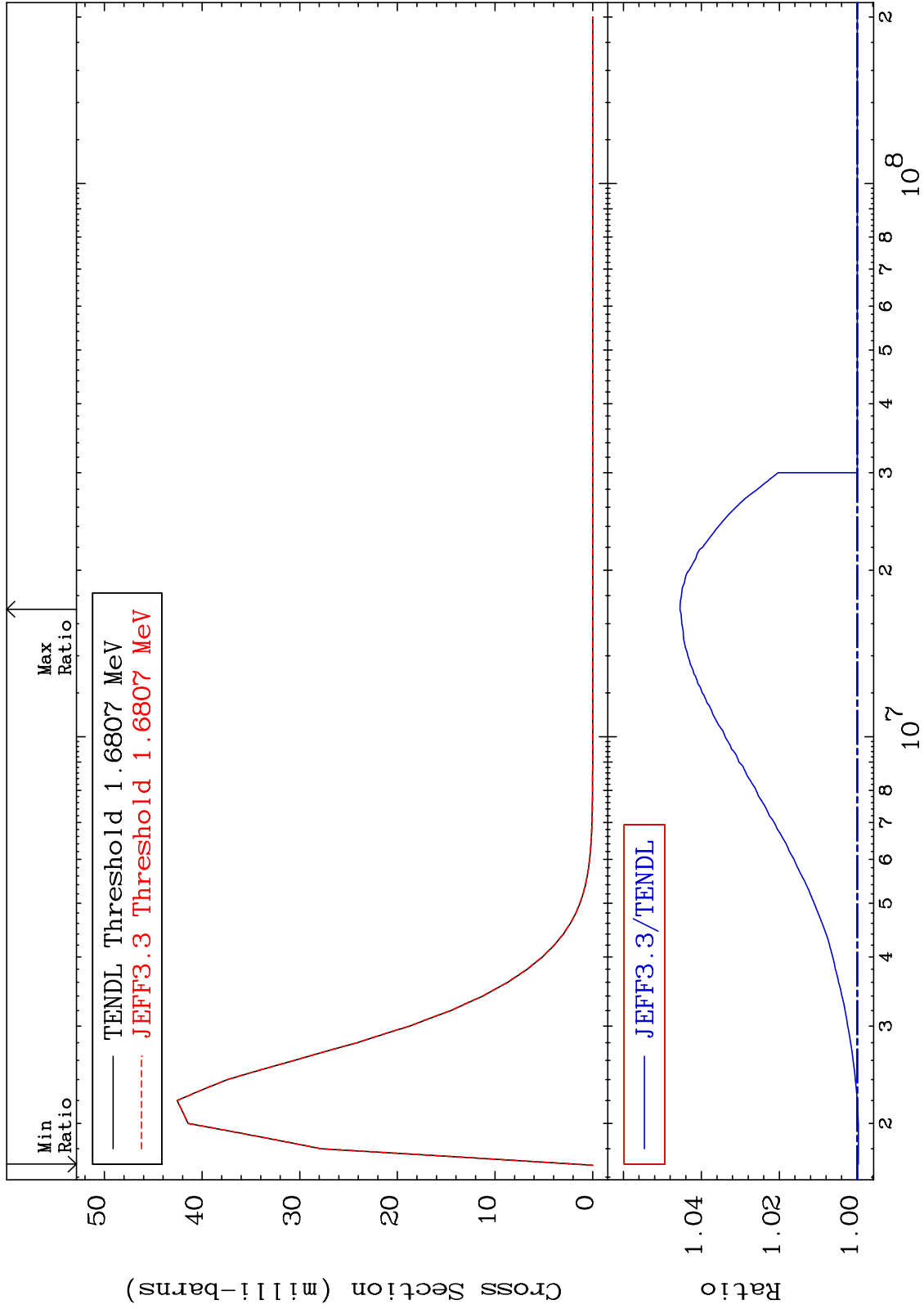
78-Pt-198
-0.056 To 0.376 %



MAT 7849

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

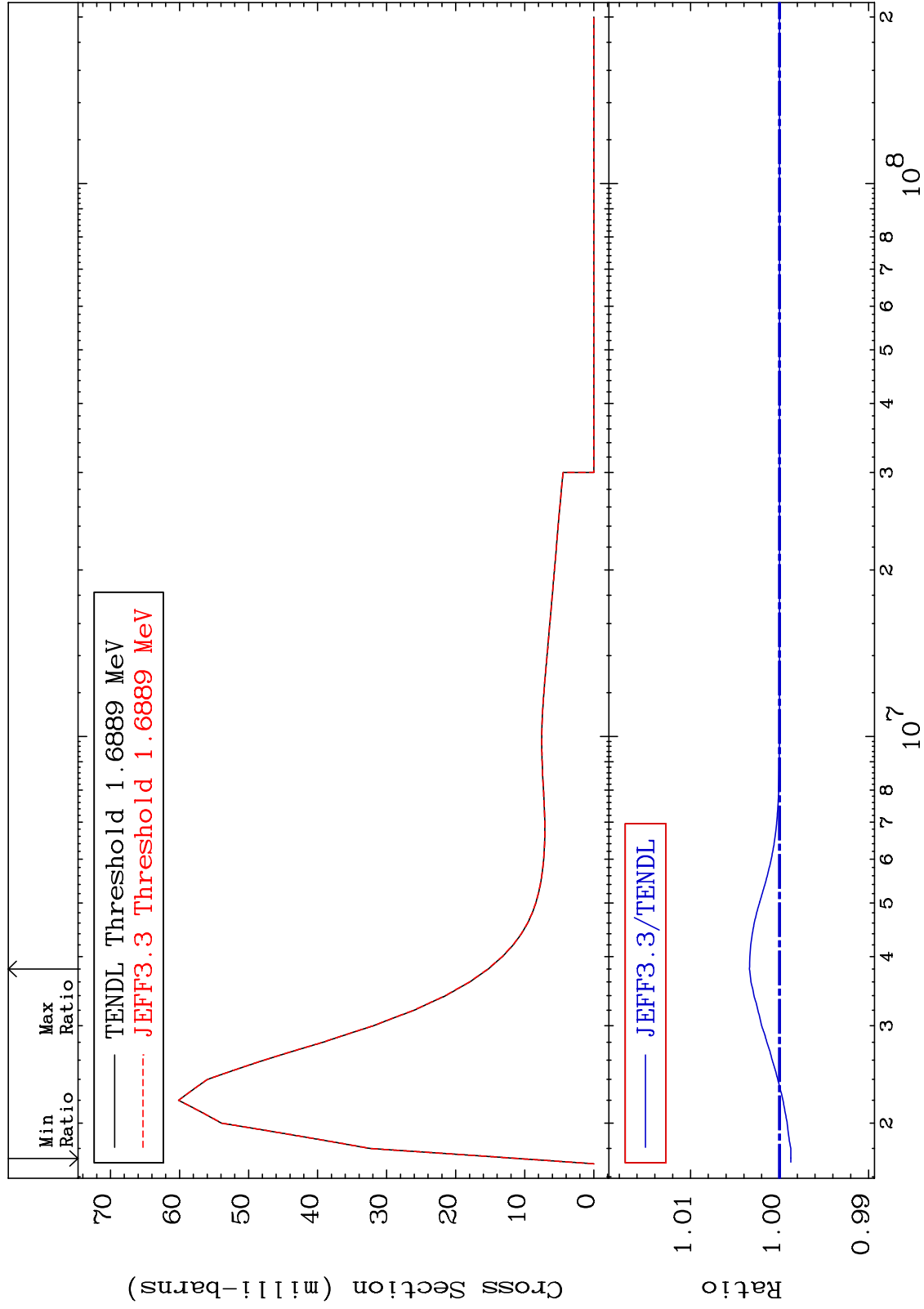
78-Pt-198
-0.029 To 4.548 %



MAT 7849

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

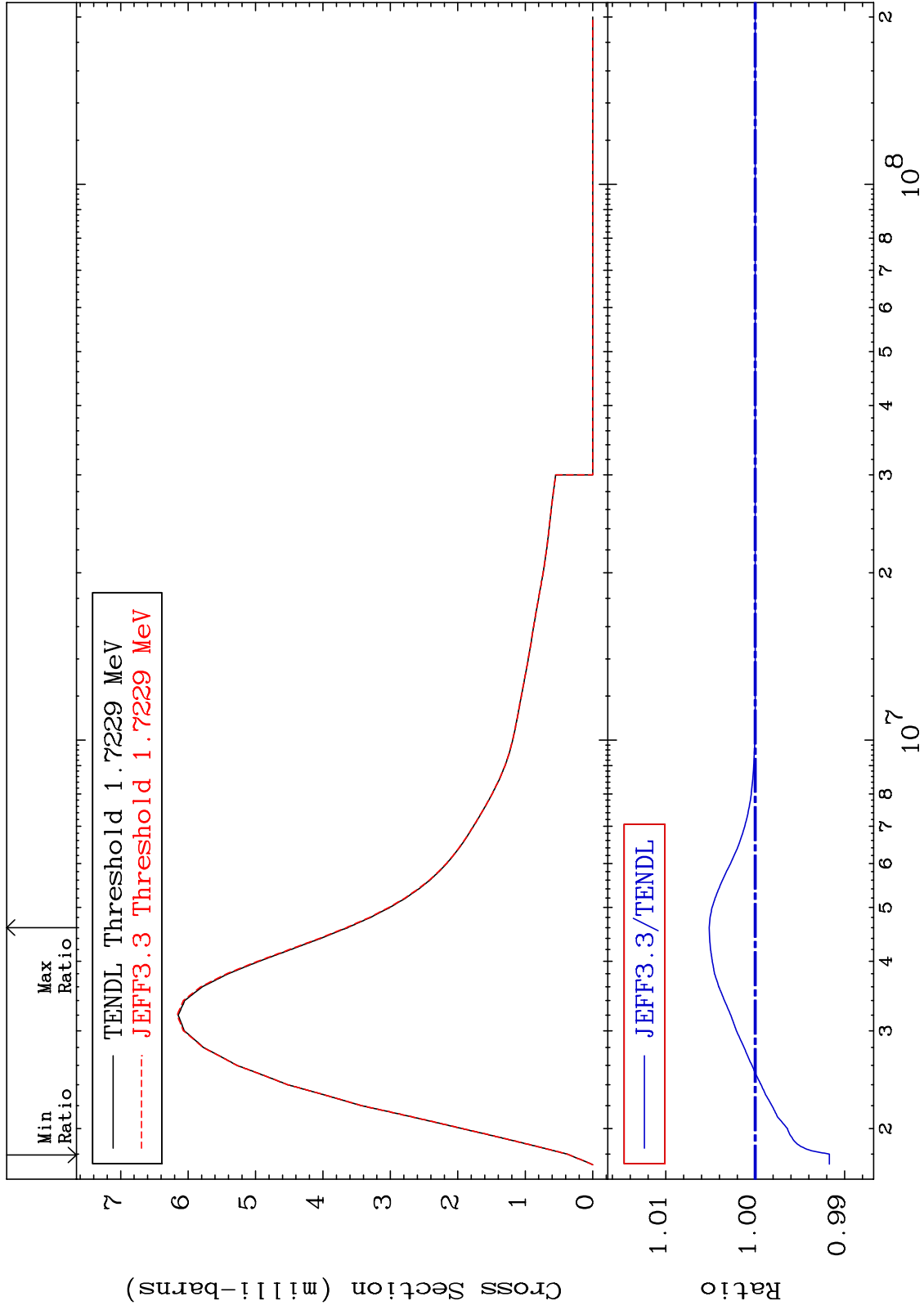
78-Pt-198
-0.128 To 0.337 %



MAT 7849

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

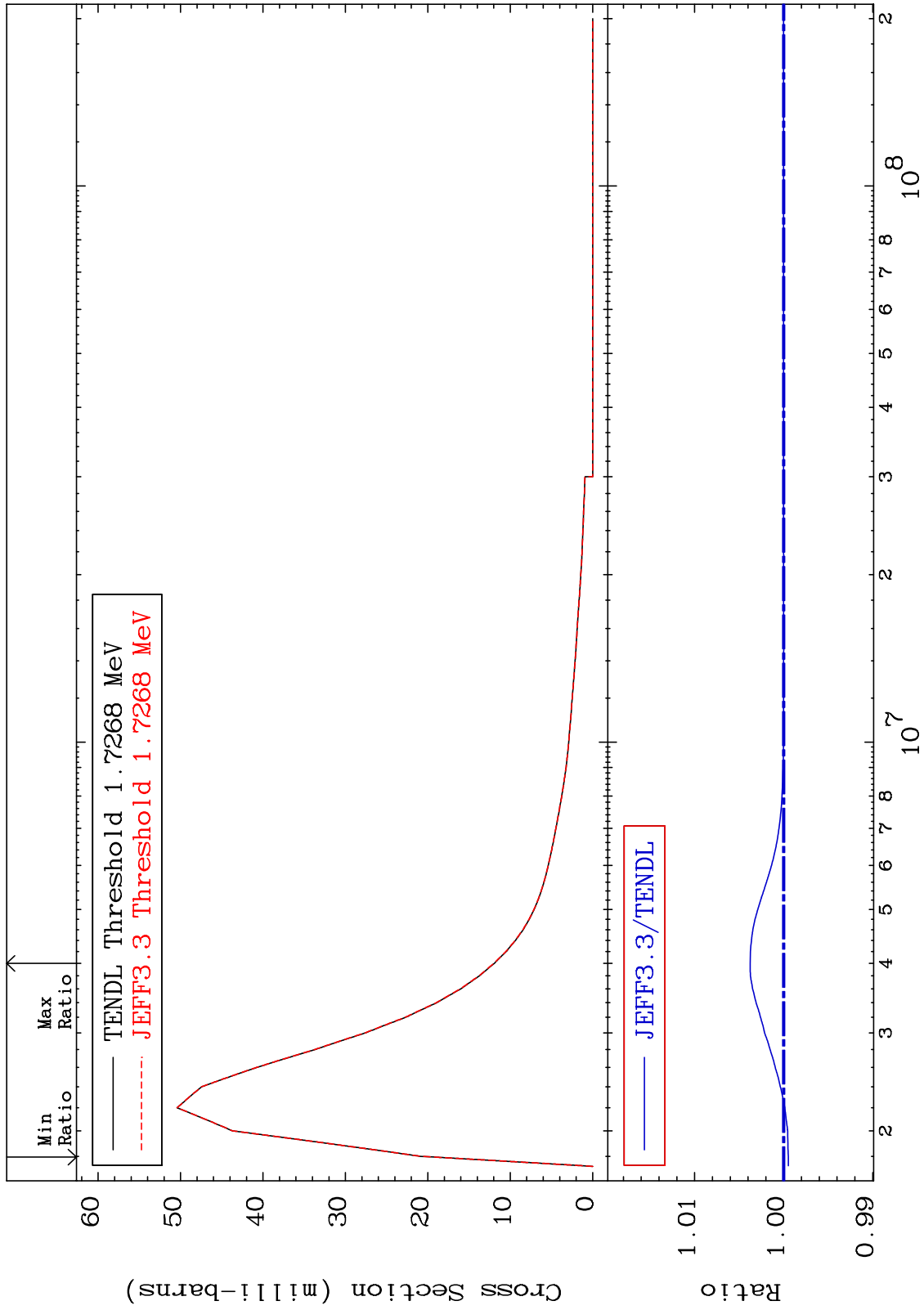
78-Pt-198
-0.829 To 0.516 %



MAT 7849

MT= 70 (n,n') Level
Cross Section

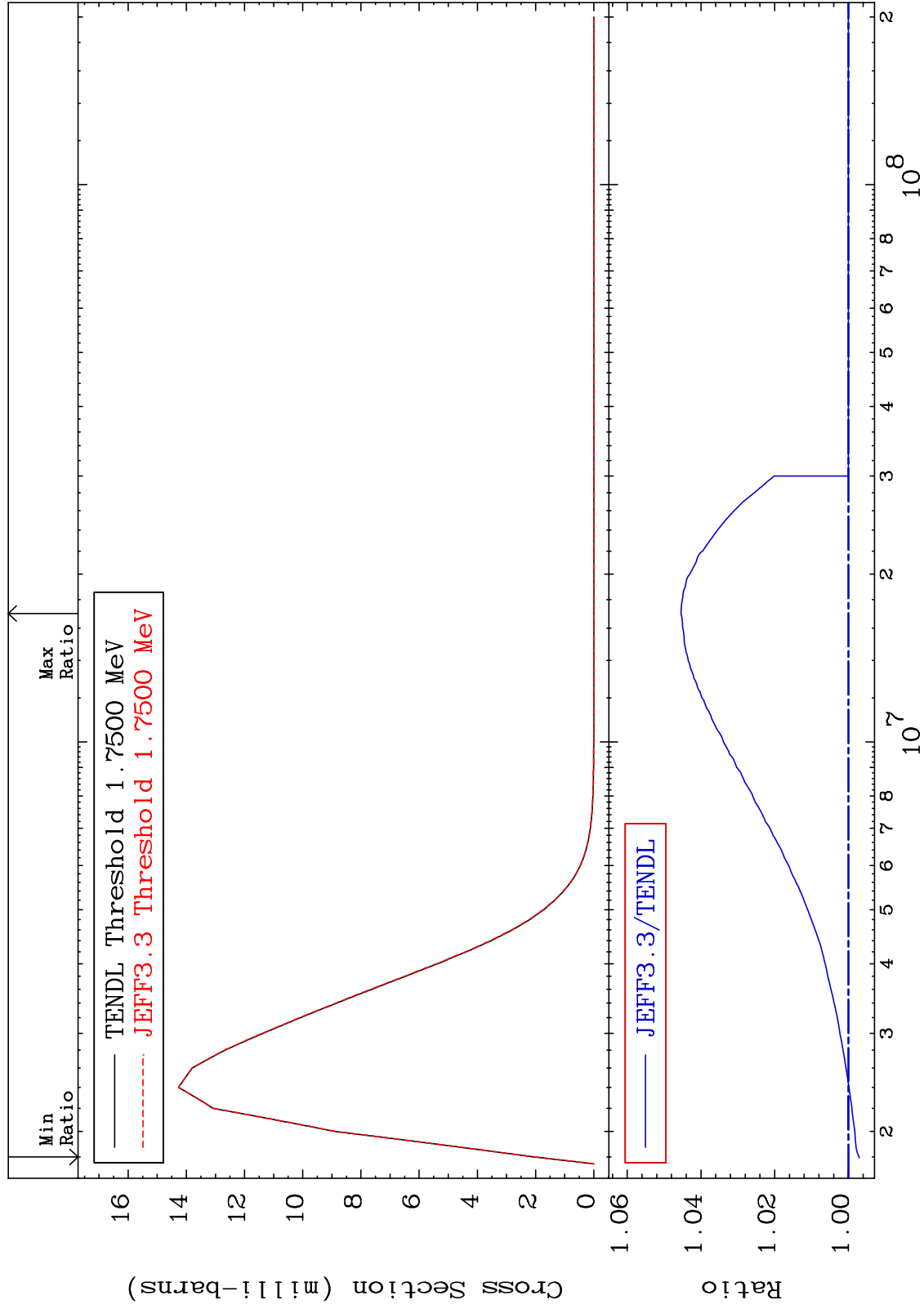
78-Pt-198
-0.052 To 0.376 %



MAT 7849

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

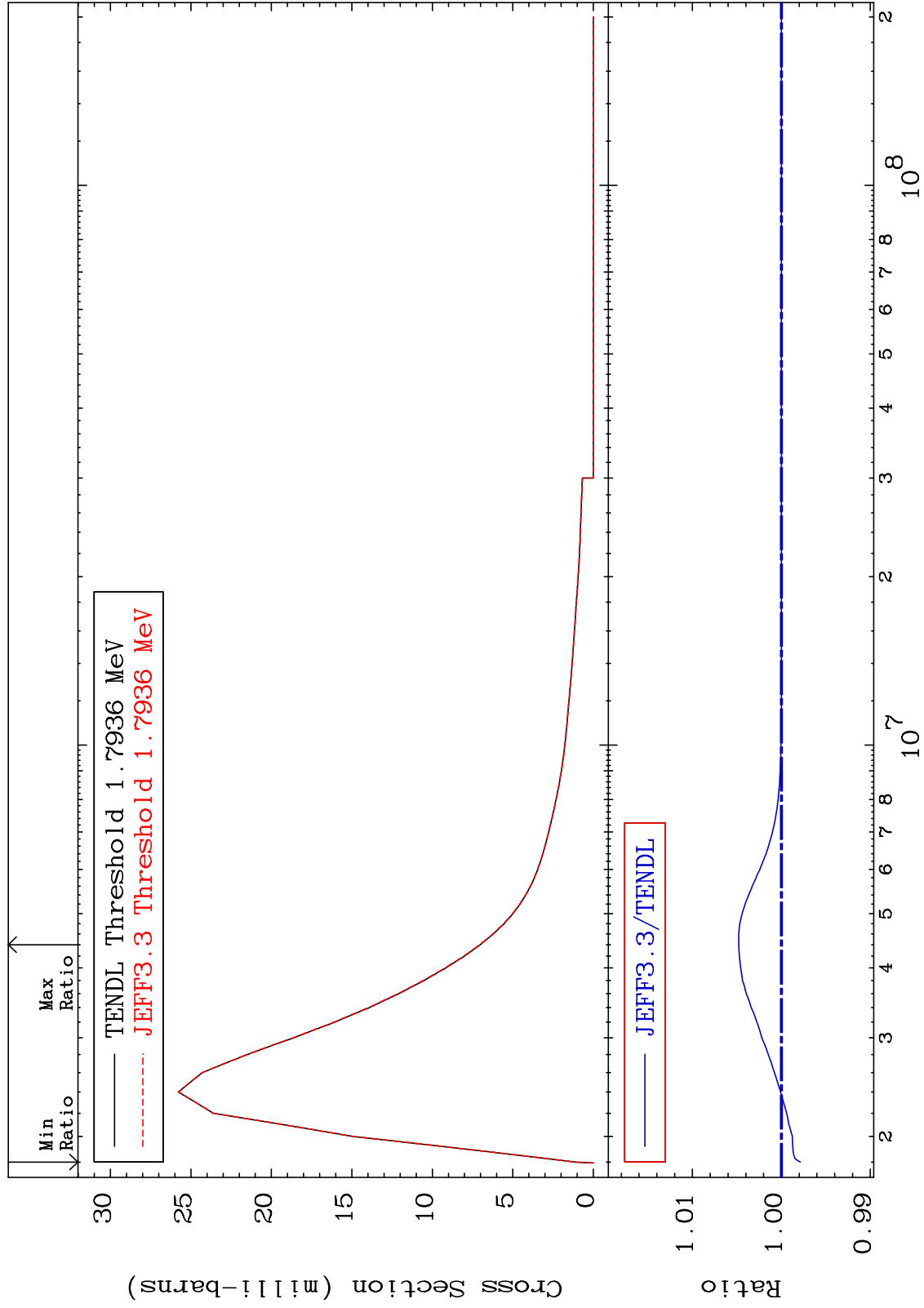
78-Pt-198
-0.294 To 4.540 %



MAT 7849

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

78-Pt-198
-0.213 To 0.480 %

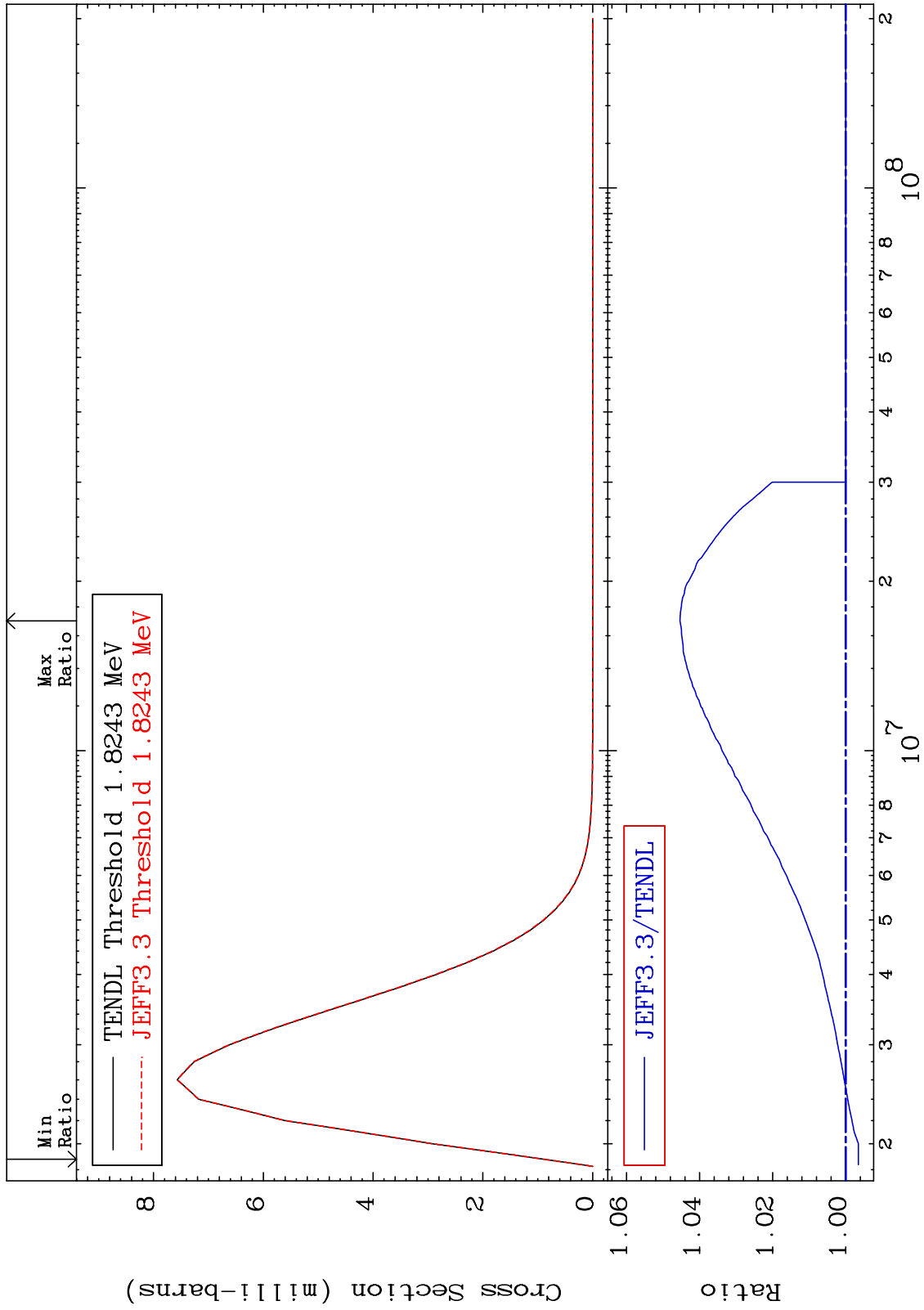


40

Incident Energy (eV)

78-Pt-198

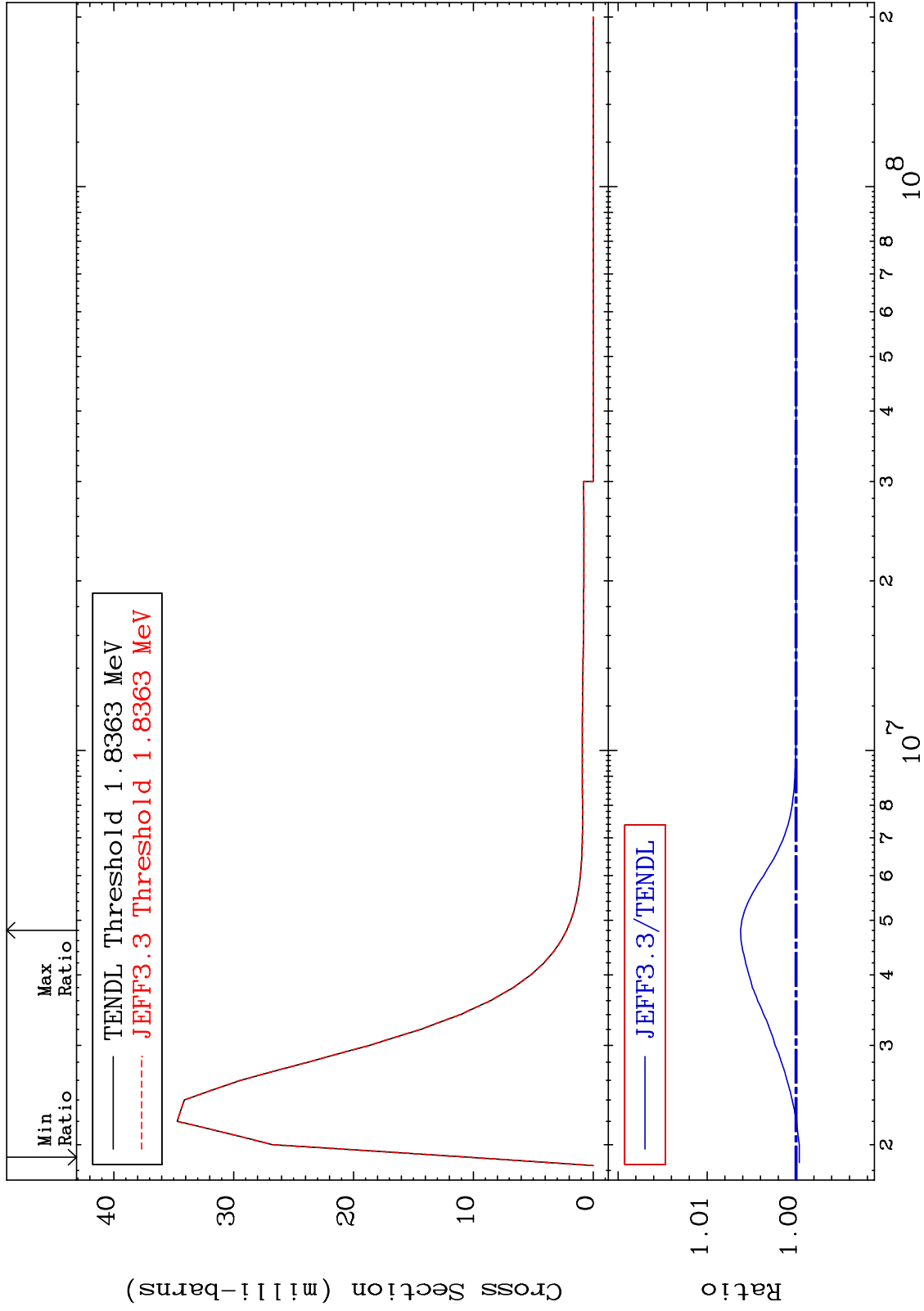
MAT 7849 MT= 74 (n,n') Level 78-Pt-198
 Cross Section -0.348 To 4.537 %



MAT 7849

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

78-Pt-198
-0.035 To 0.624 %



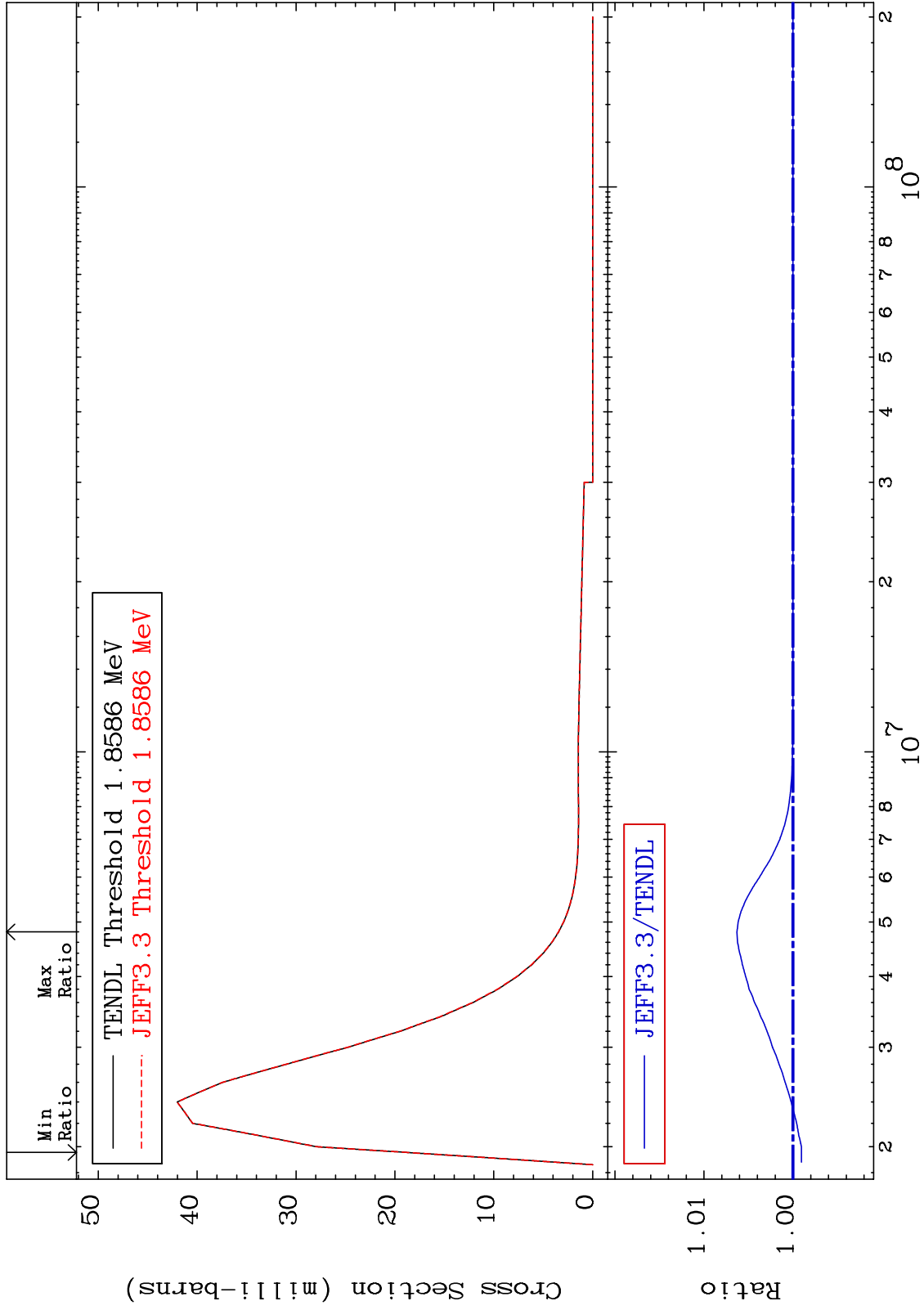
42

78-Pt-198

MAT 7849

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

78-Pt-198
-0.095 To 0.630 %



43

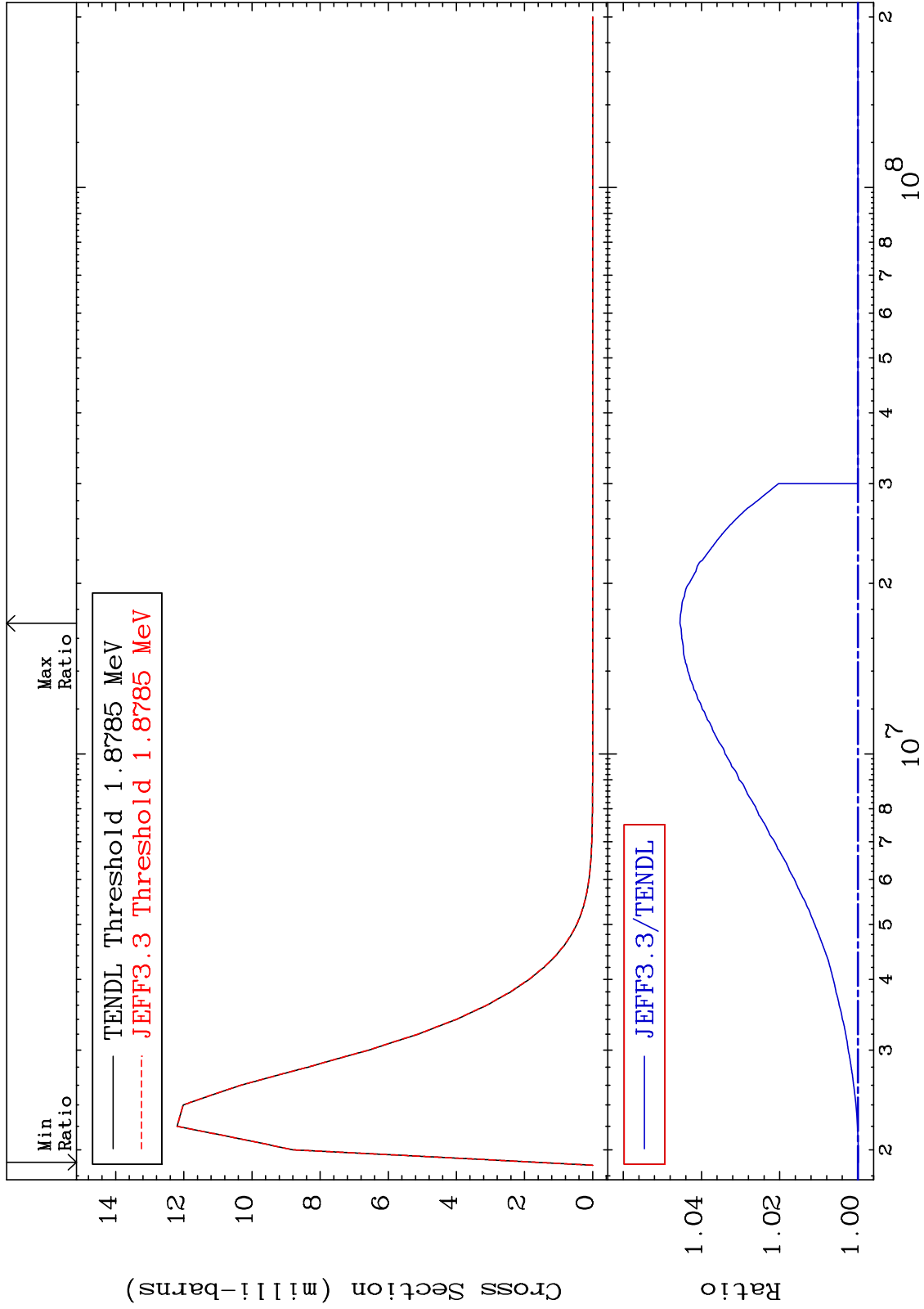
Incident Energy (eV)

78-Pt-198

MAT 7849

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

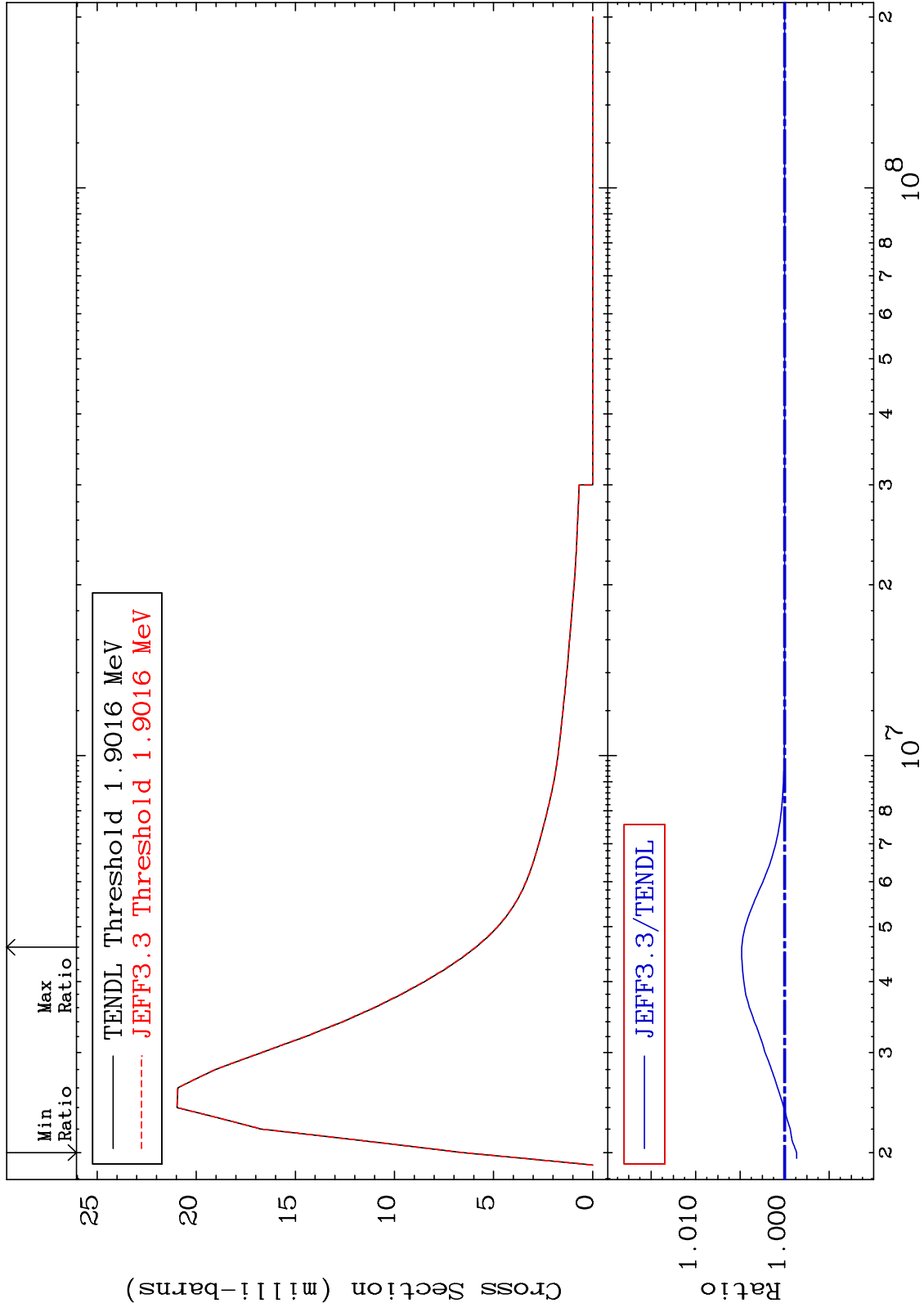
78-Pt-198
-0.012 To 4.548 %



MAT 7849

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

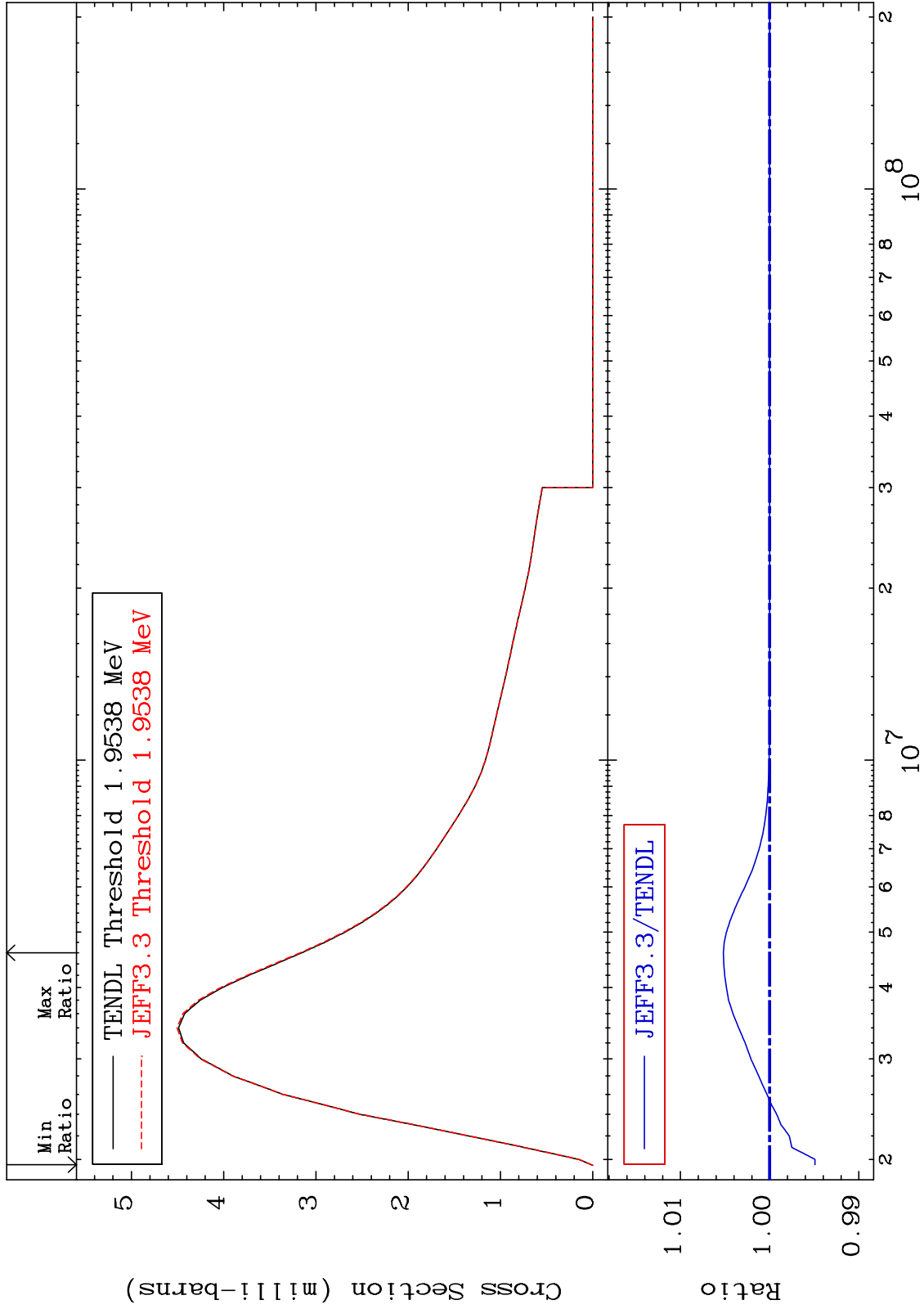
78-Pt-198
-0.135 To 0.481 %



MAT 7849

MT= 79 (n, n') Level
Cross Section

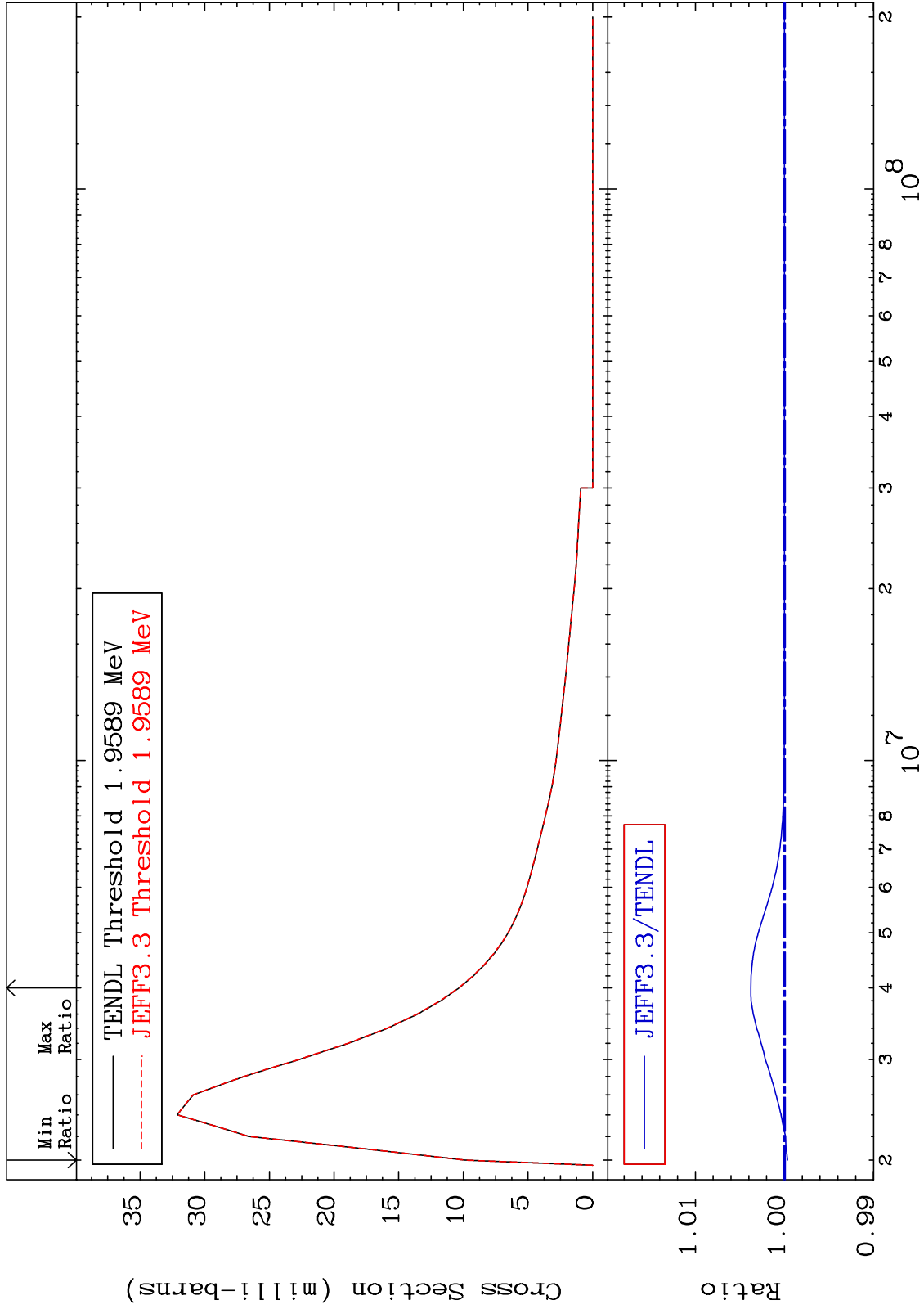
78-Pt-198
-0.508 To 0.519 %



MAT 7849

MT= 80 (n, n') Level
Cross Section

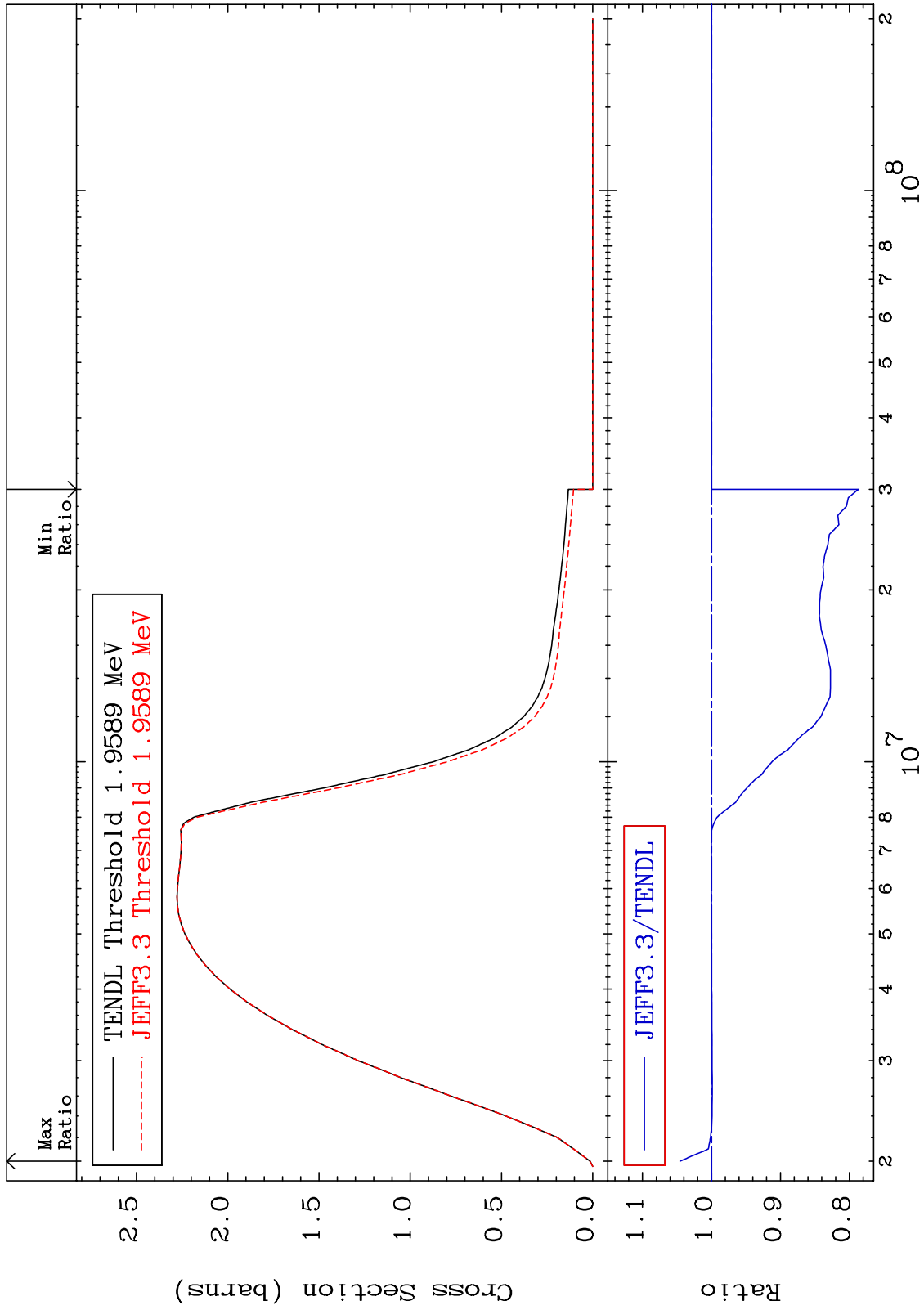
78-Pt-198
-0.035 To 0.377 %



MAT 7849

(n, n') Continuum
Cross Section

78-Pt-198
-21.31 To 4.563 %



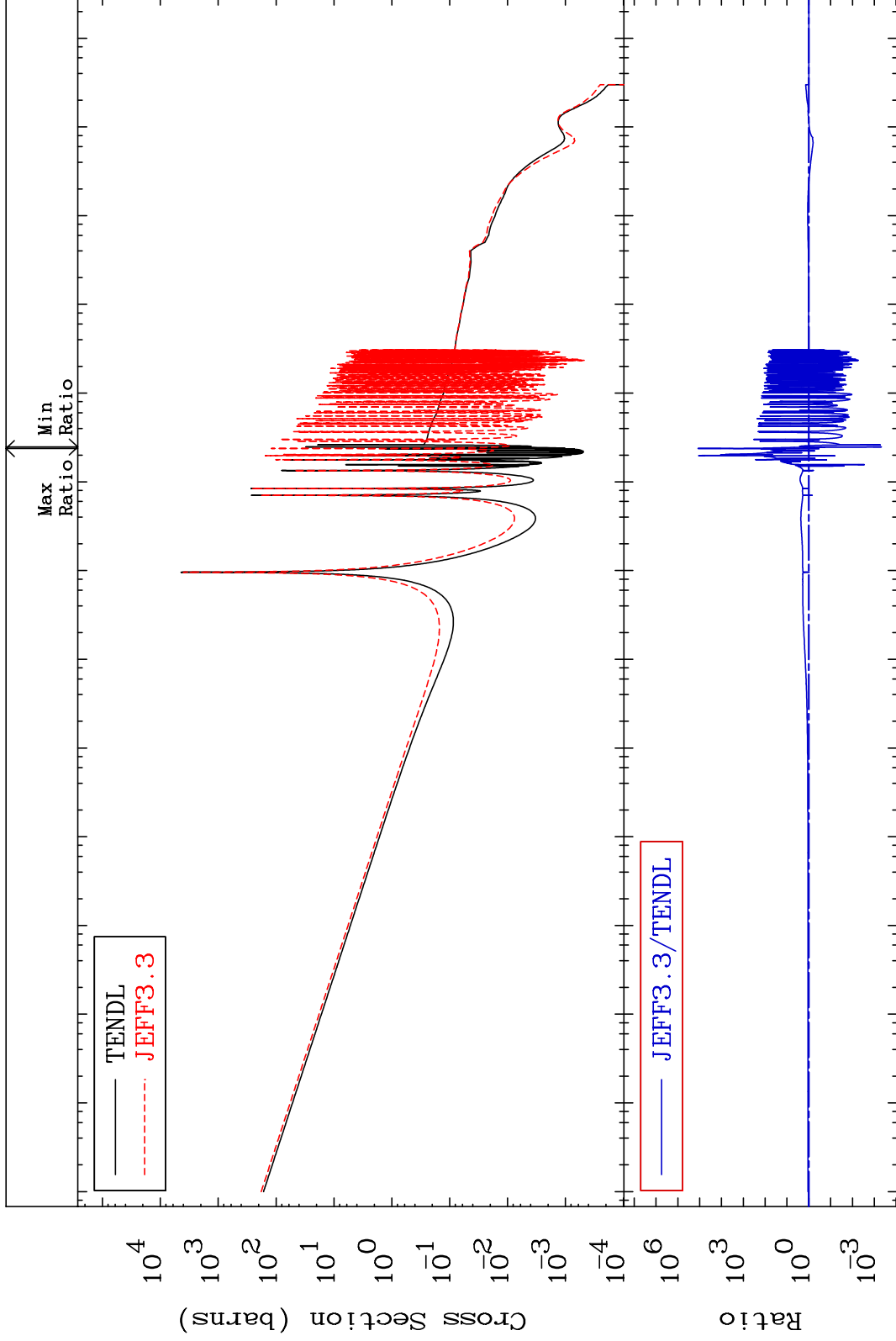
MAT 7849

(n, γ)

78-Pt-198

Cross Section

-99.95 To 9999. %



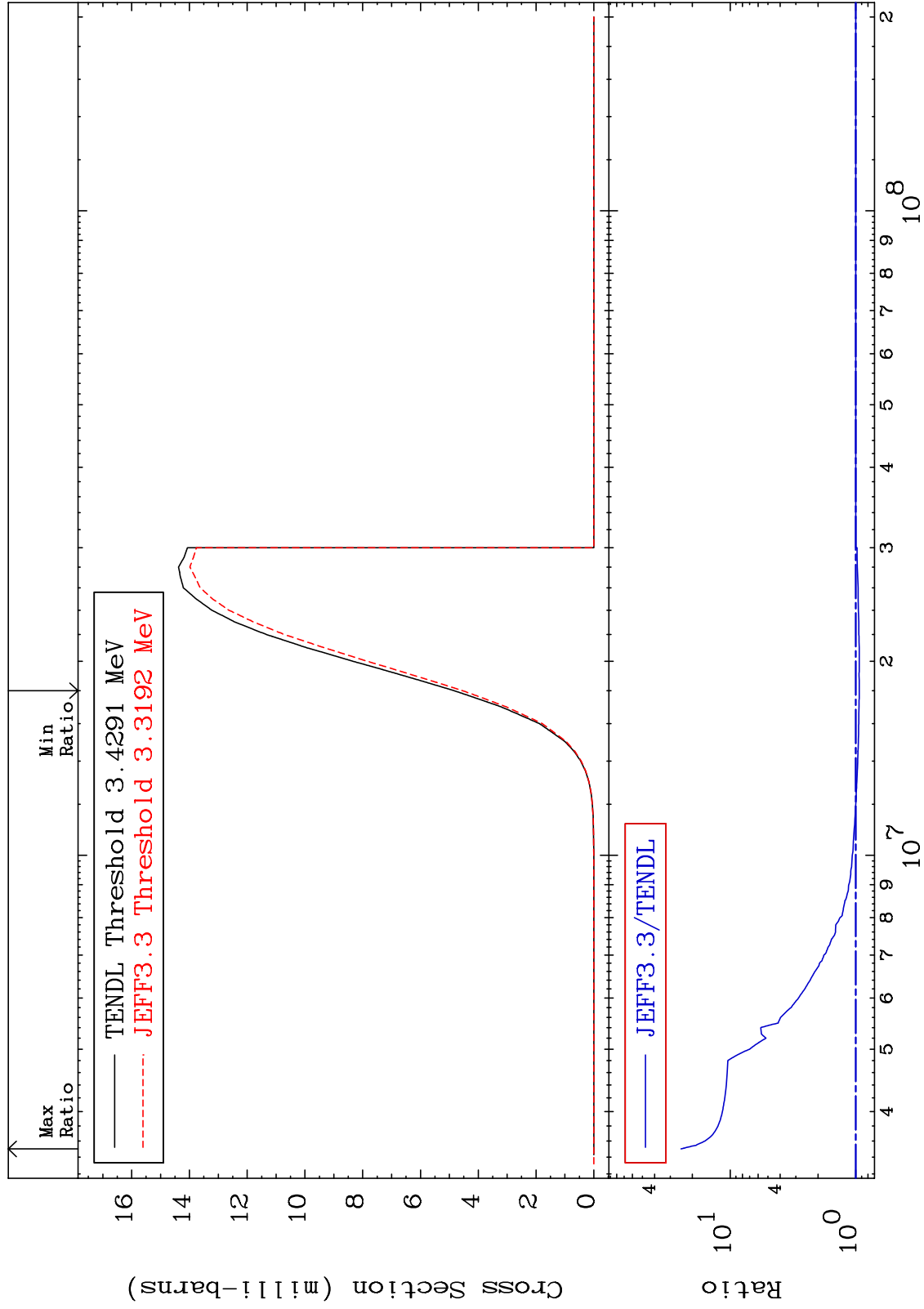
MAT 7849

(n, p)

78-Pt-198

Cross Section

-6.173 To 2362. %



50

Incident Energy (eV)

78-Pt-198

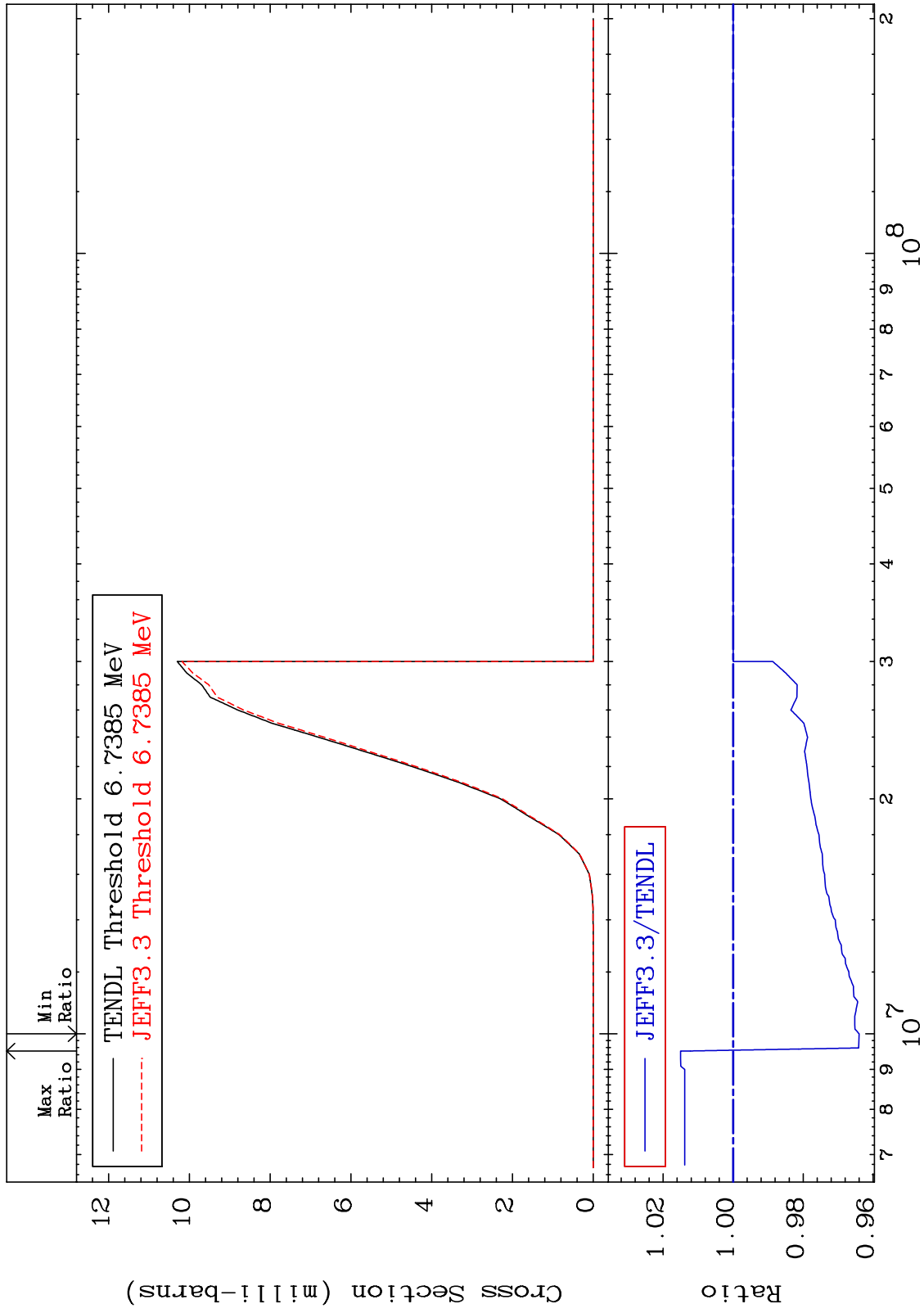
MAT 7849

(n, d)

78-Pt-198

Cross Section

-3.600 To 1.501 %



51

Incident Energy (eV)

78-Pt-198

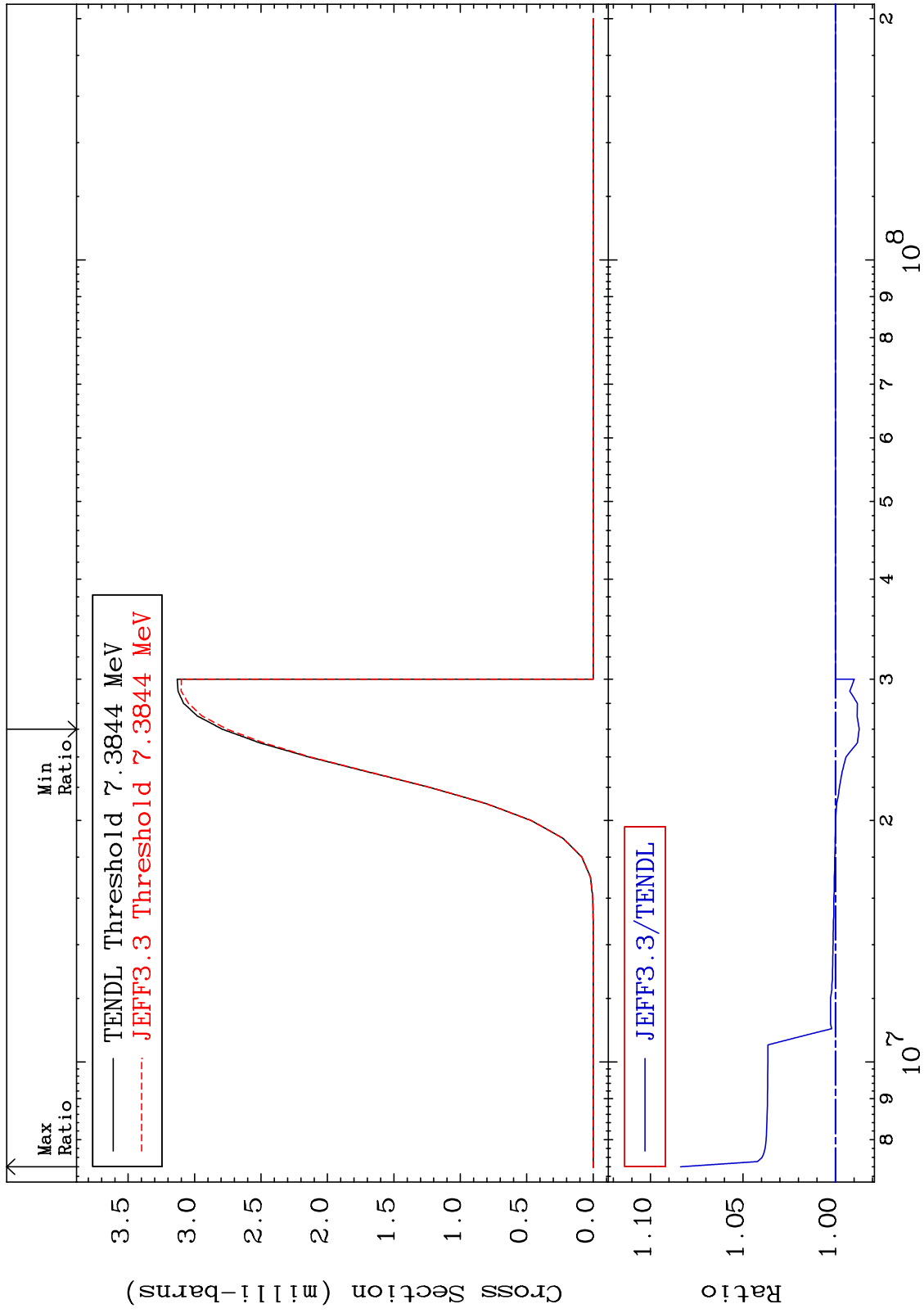
MAT 7849

(n, t)

78-Pt-198

Cross Section

-1.279 To 8.369 %



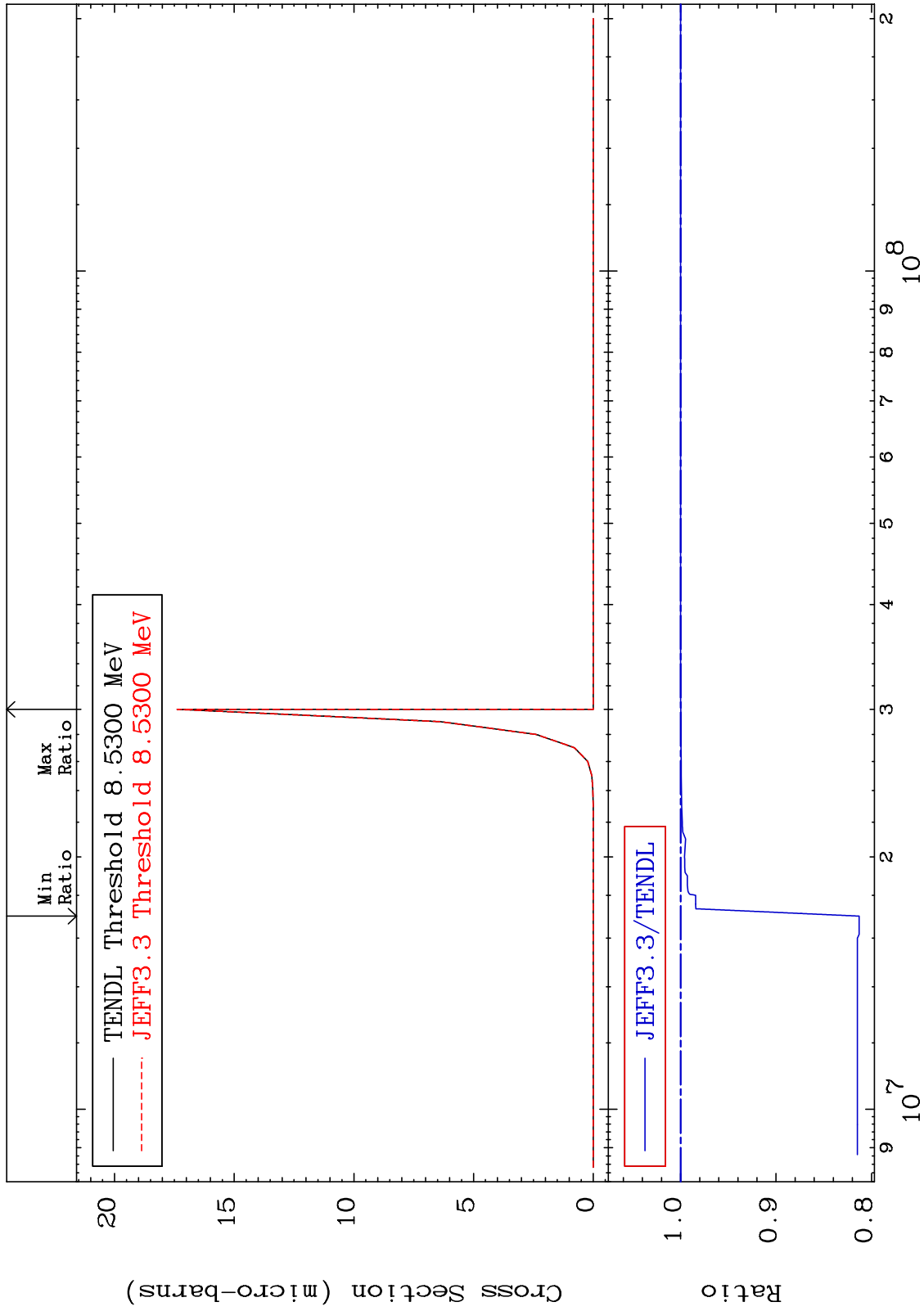
MAT 7849

(n, He-3)

78-Pt-198

Cross Section

-18.71 To 0.000 %



53

Incident Energy (eV)

78-Pt-198

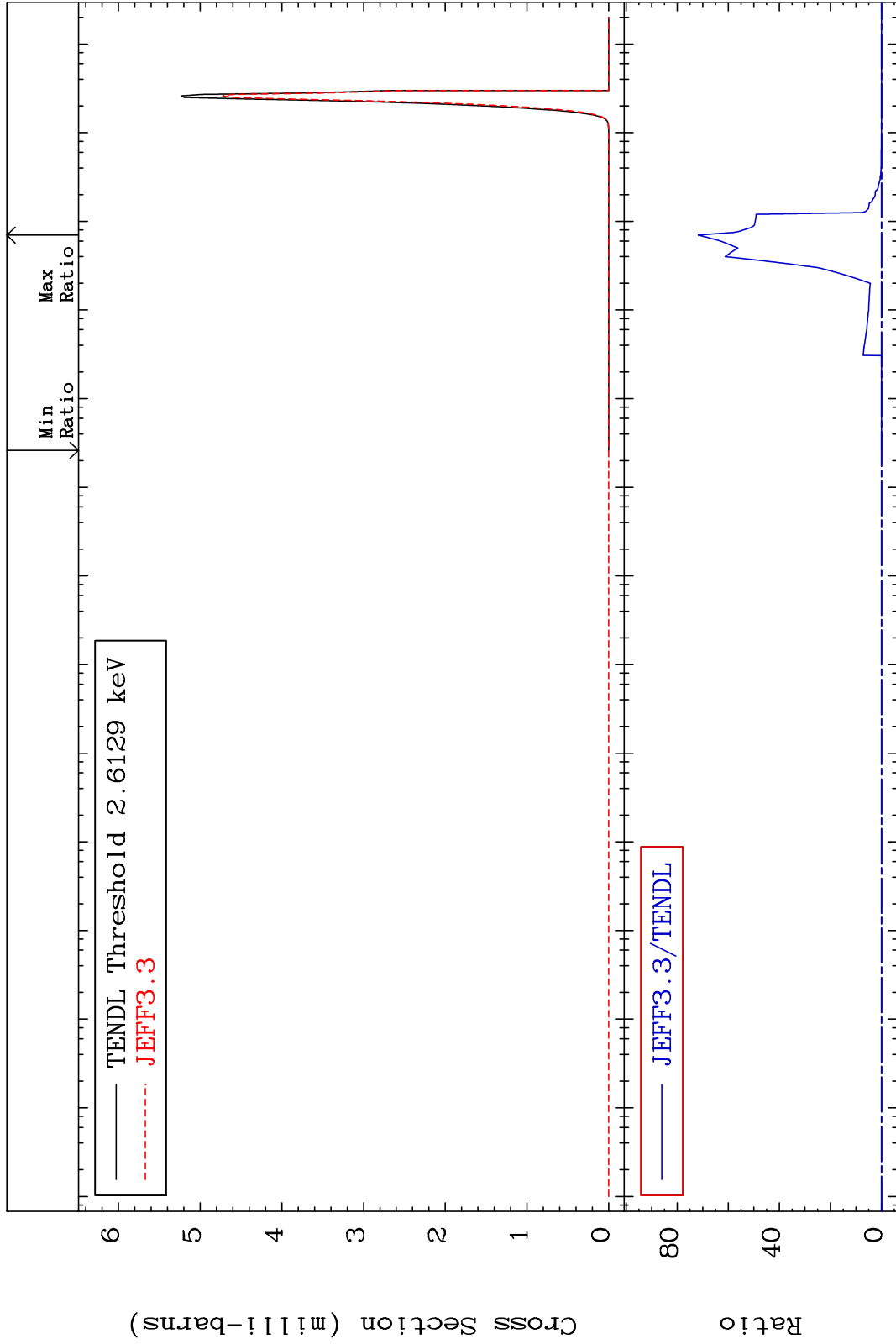
MAT 7849

(n, α)

78-Pt-198

Cross Section

-100.0 To 9999. %



Incident Energy (eV)

78-Pt-198

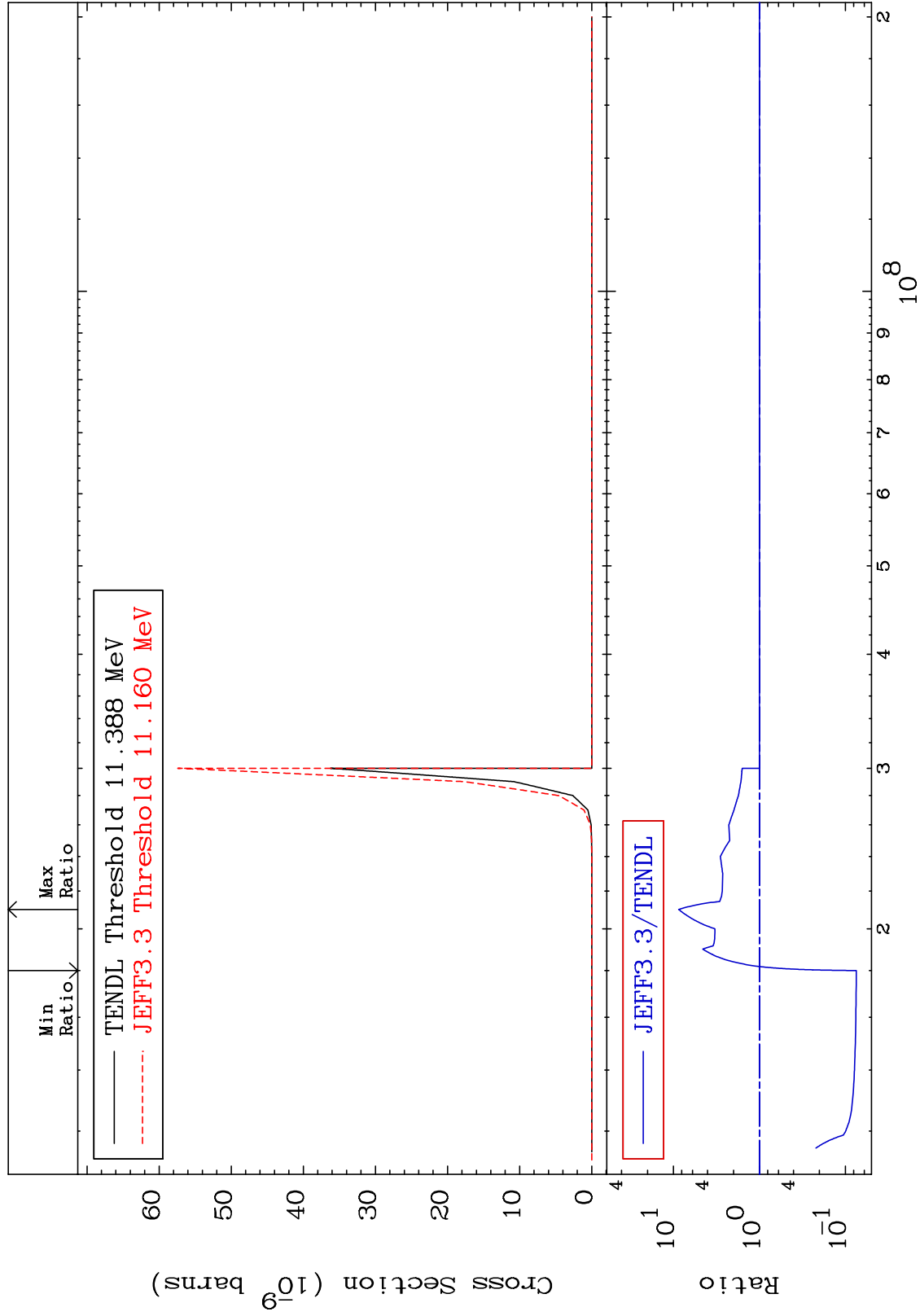
MAT 7849

(n,2p)

78-Pt-198

Cross Section

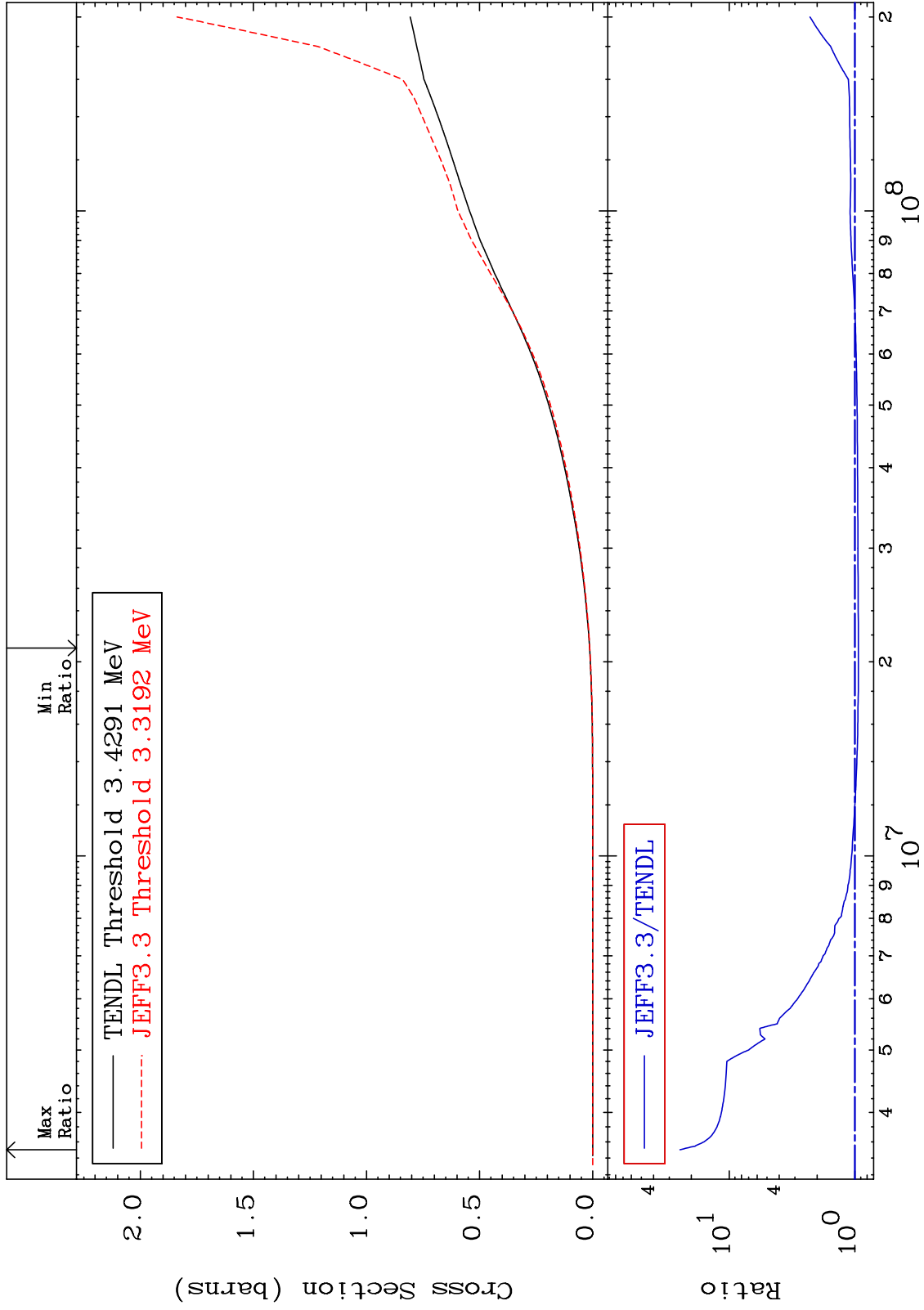
-92.55 To 767.1 %



MAT 7849

Hydrogen Production
Cross Section

78-Pt-198
-6.129 To 2362. %



56

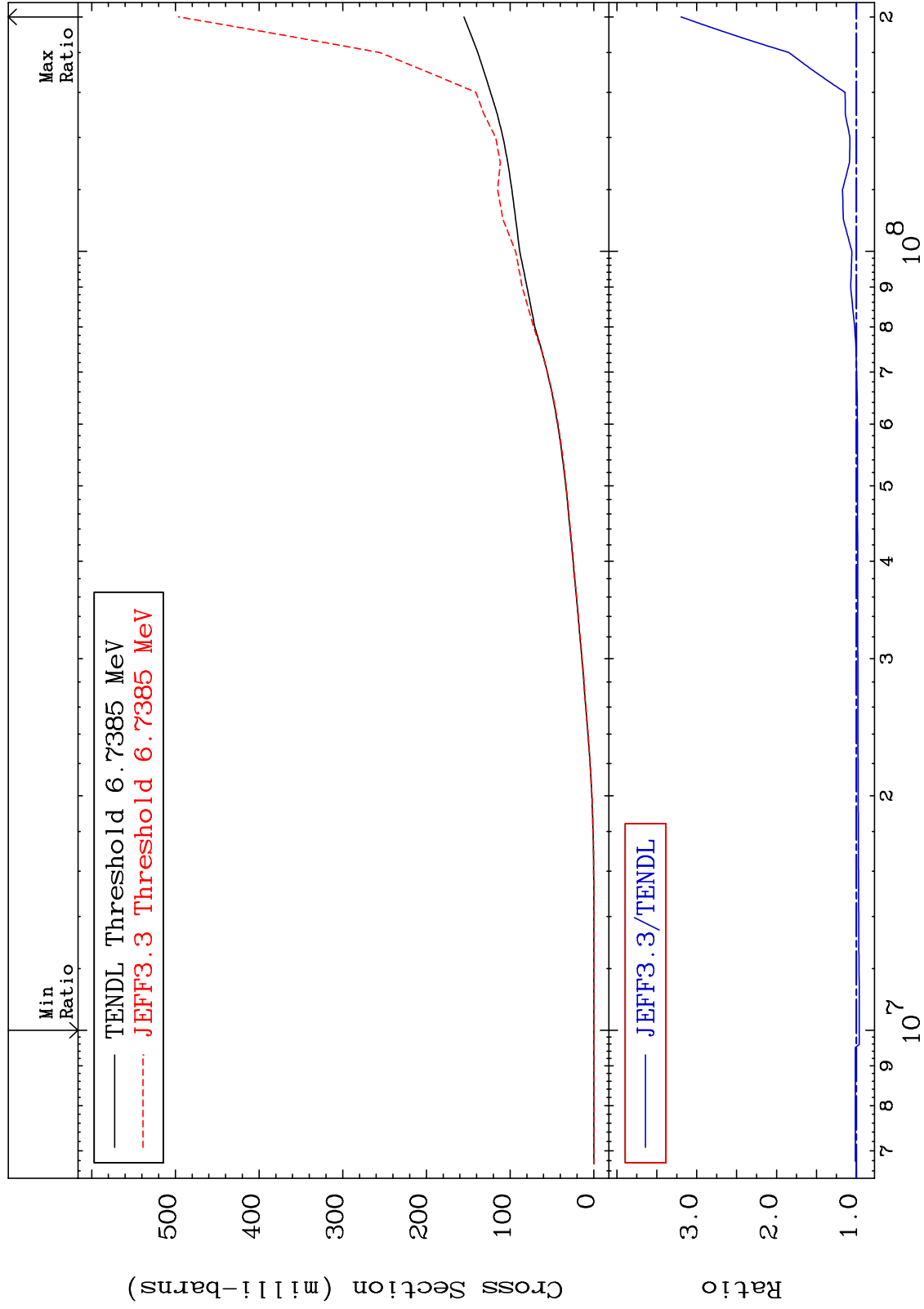
Incident Energy (eV)

78-Pt-198

MAT 7849

Deuterium Production
Cross Section

78-Pt-198
-3.600 To 219.6 %



57

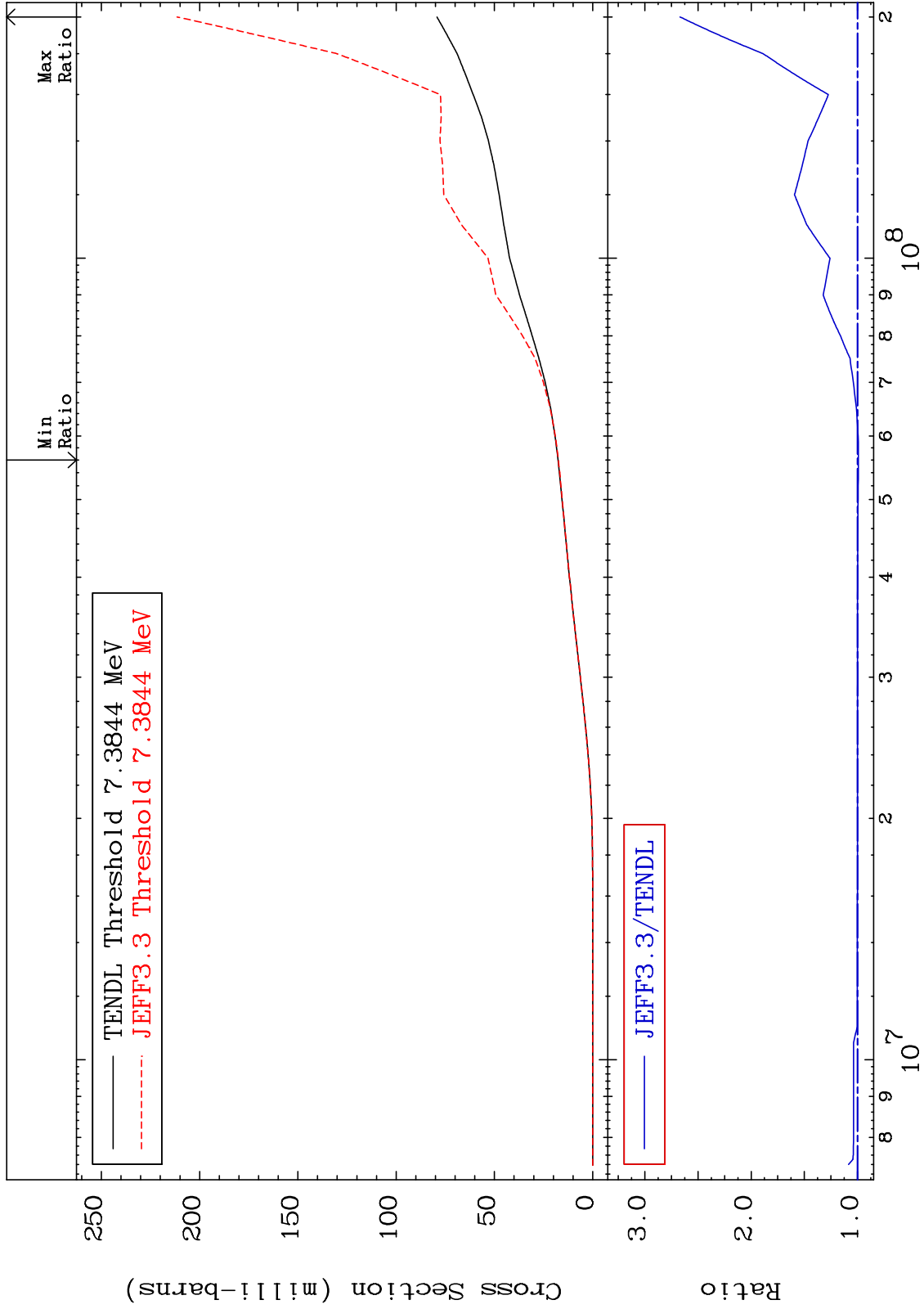
Incident Energy (eV)

78-Pt-198

MAT 7849

Tritium Production
Cross Section

78-Pt-198
-0.883 To 166.9 %



58

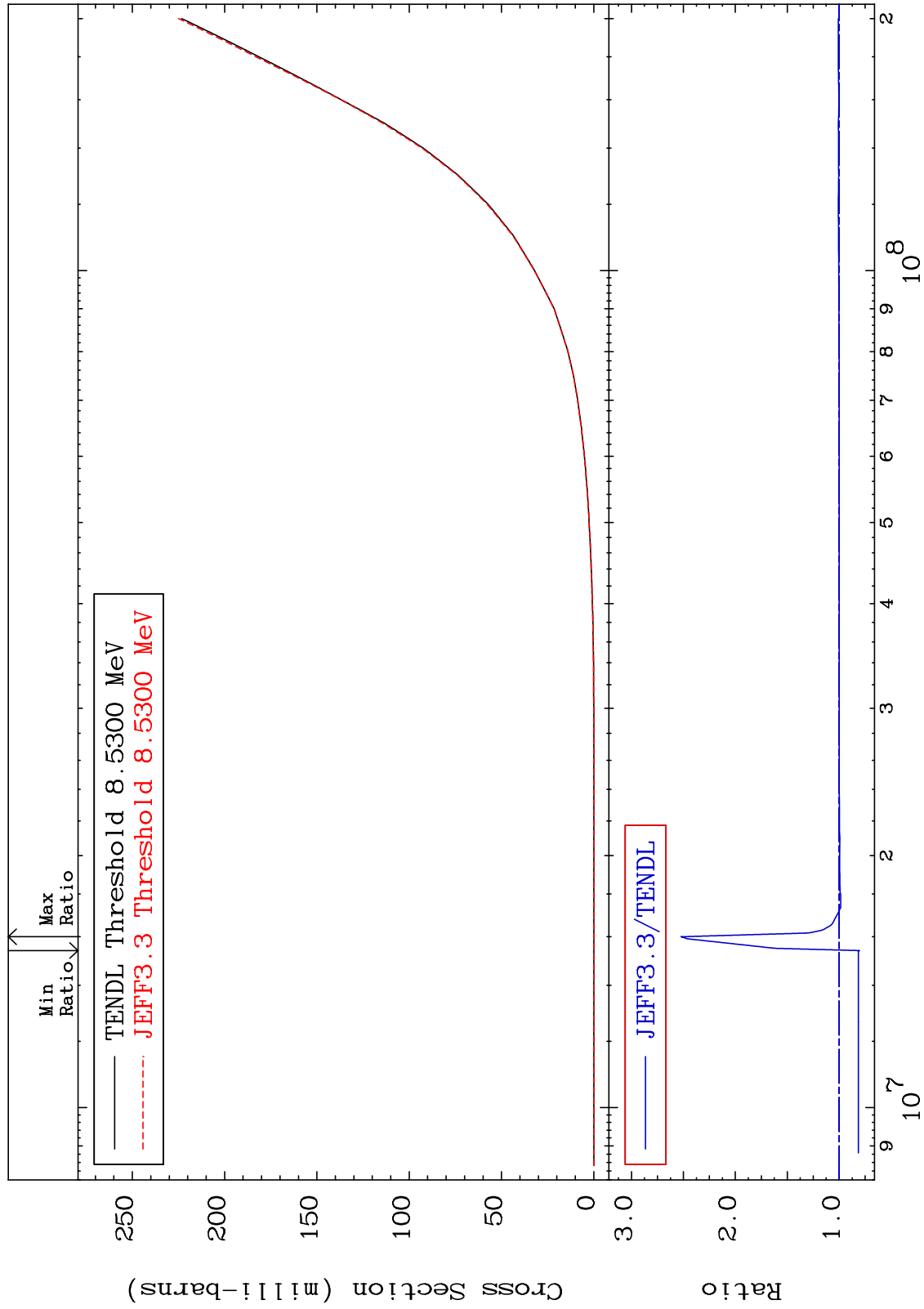
Incident Energy (eV)

78-Pt-198

MAT 7849

He-3 Production
Cross Section

78-Pt-198
-19.35 To 152.3 %



59

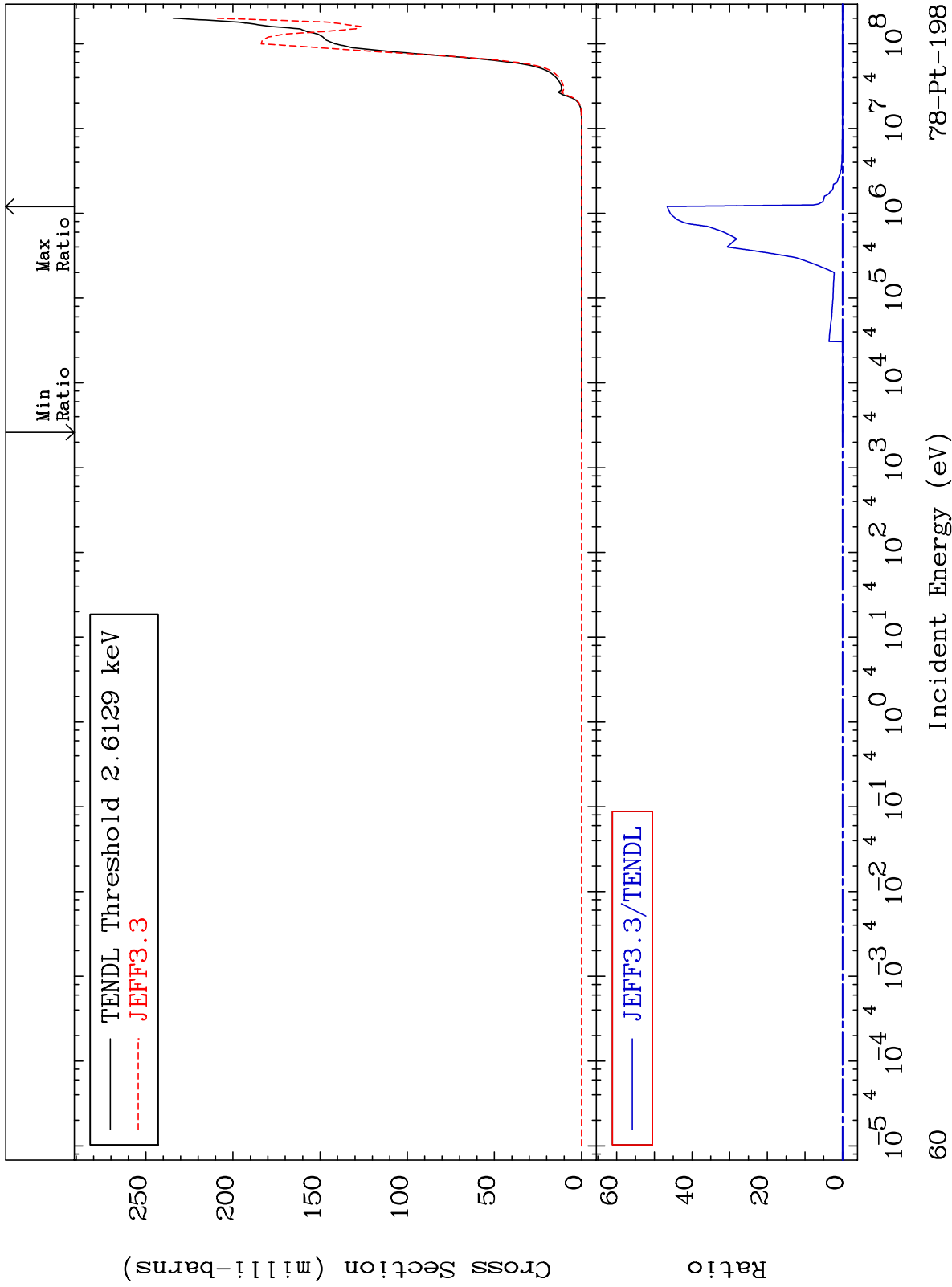
Incident Energy (eV)

78-Pt-198

MAT 7849

He-4 Production
Cross Section

78-Pt-198
-100.0 To 9999. %



78-Pt-198

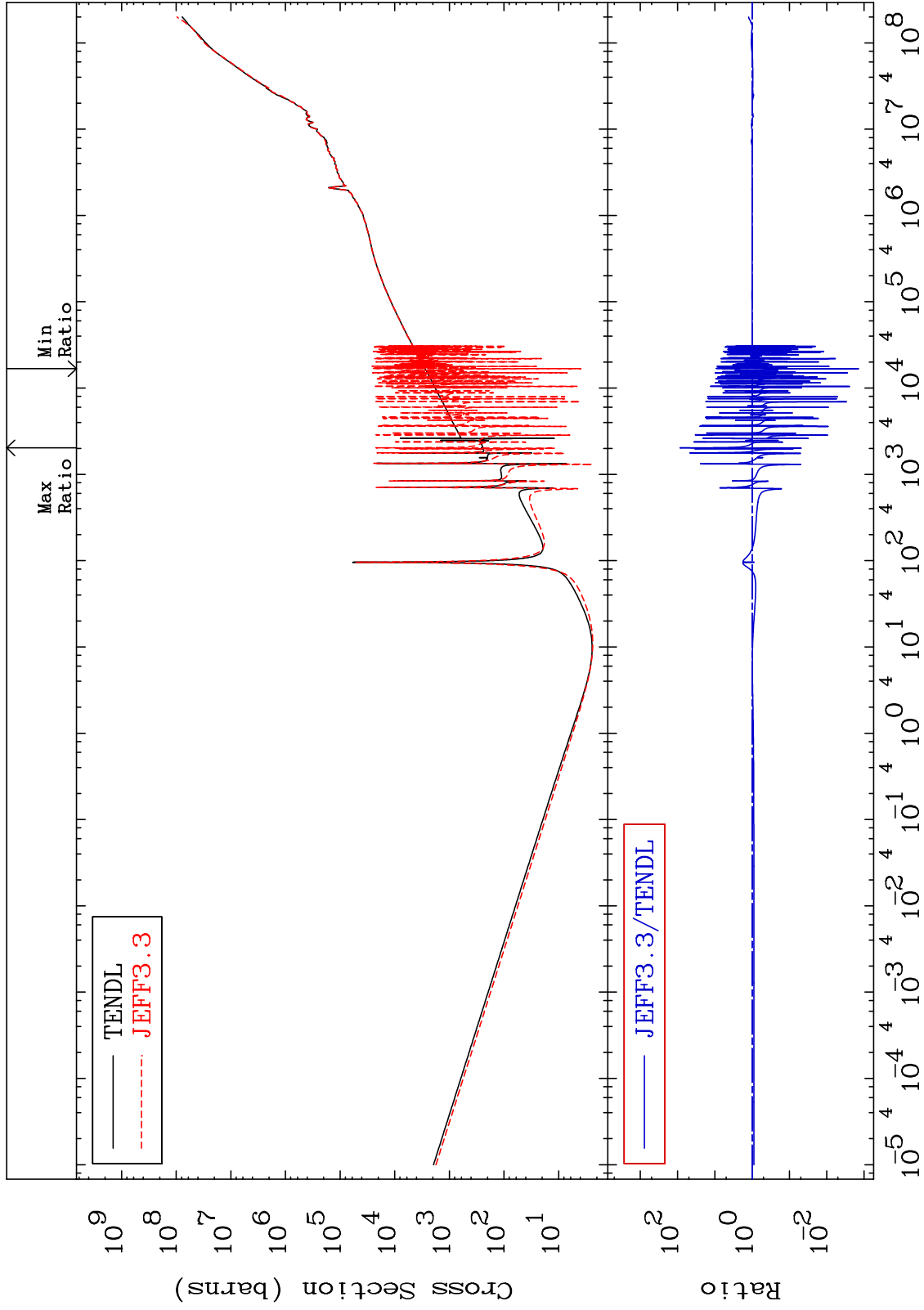
Incident Energy (eV)

60

MAT 7849

Kerma total (eV-barns)
Cross Section

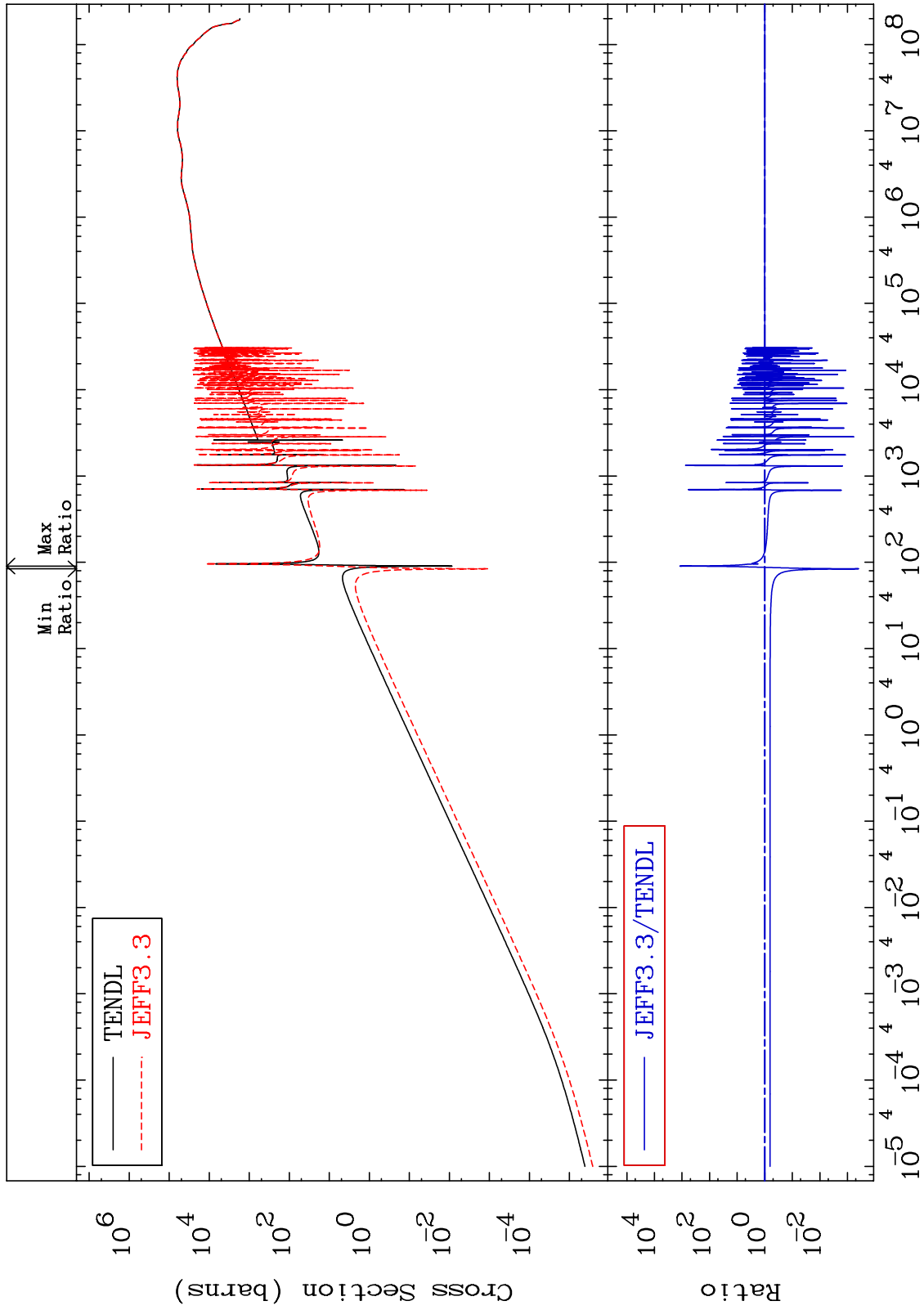
78-Pt-198
-99.86 To 8510. %



MAT 7849

Kerma elastic
Cross Section

78-Pt-198
-99.96 To 9999. %



62

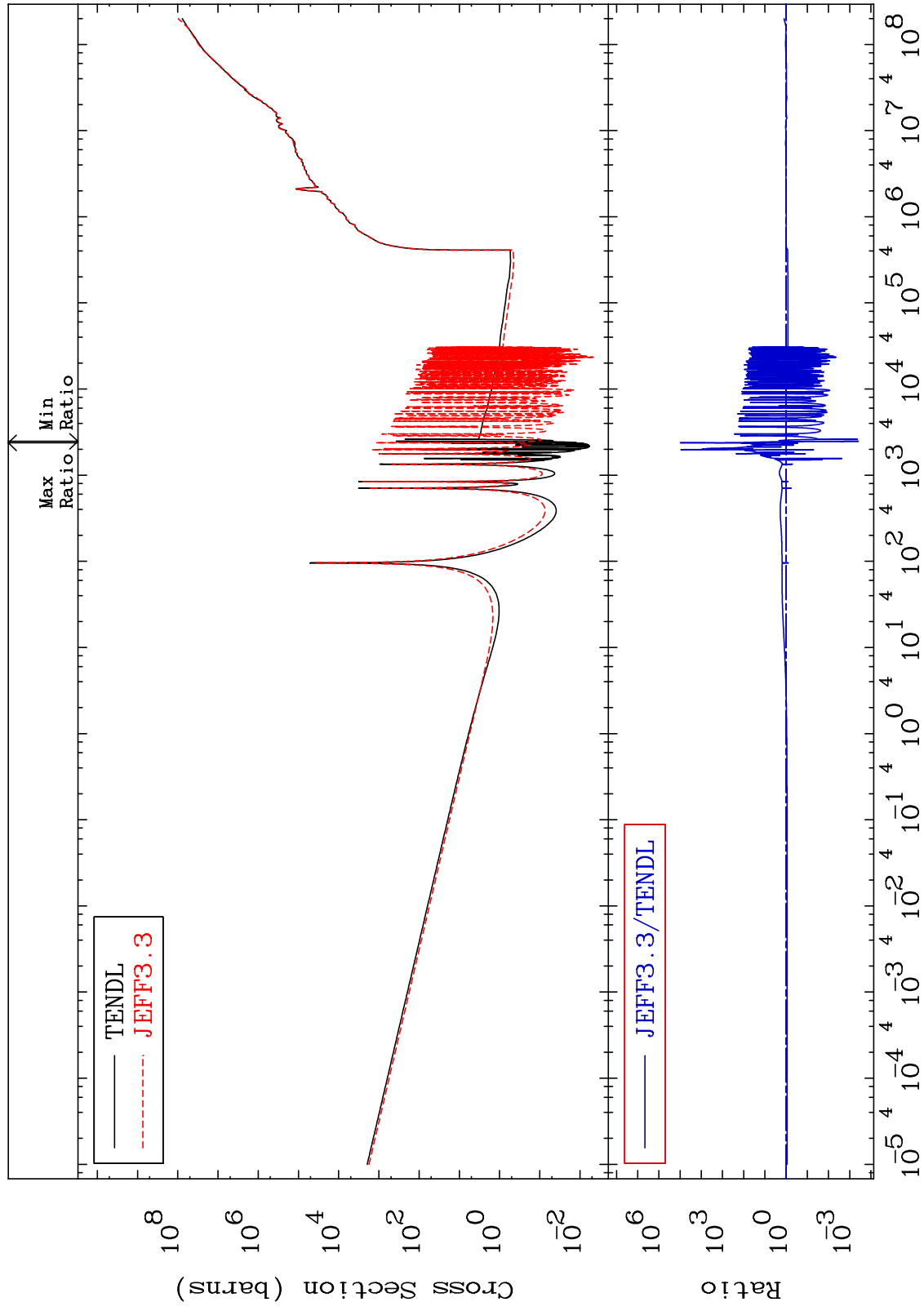
Incident Energy (eV)

78-Pt-198

MAT 7849

Kerma non-elastic (all but mt2)
Cross Section

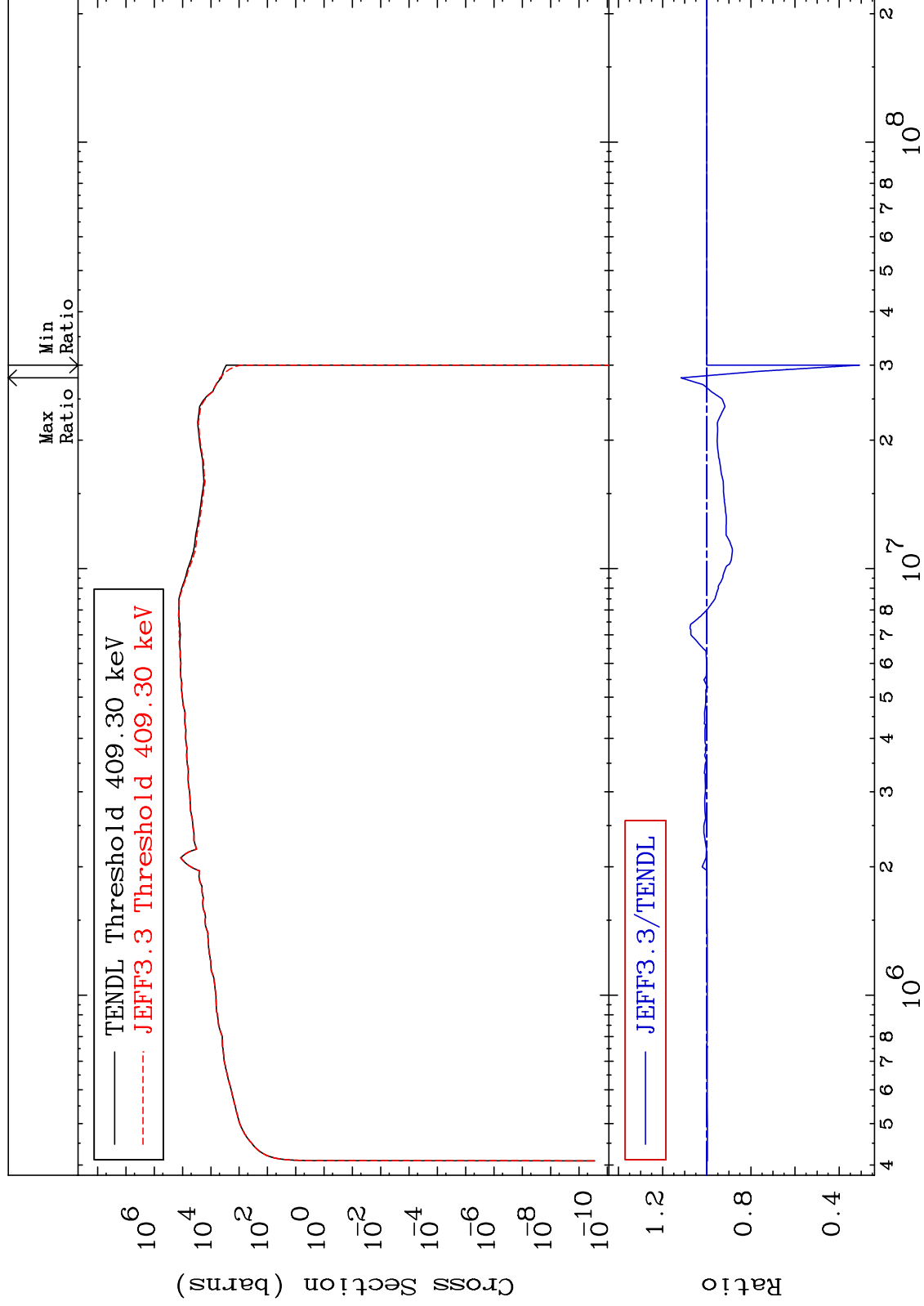
78-Pt-198
-99.96 To 9999. %



MAT 7849

Kerma inelastic (mt51-91)
Cross Section

78-Pt-198
-69.11 To 11.67 %



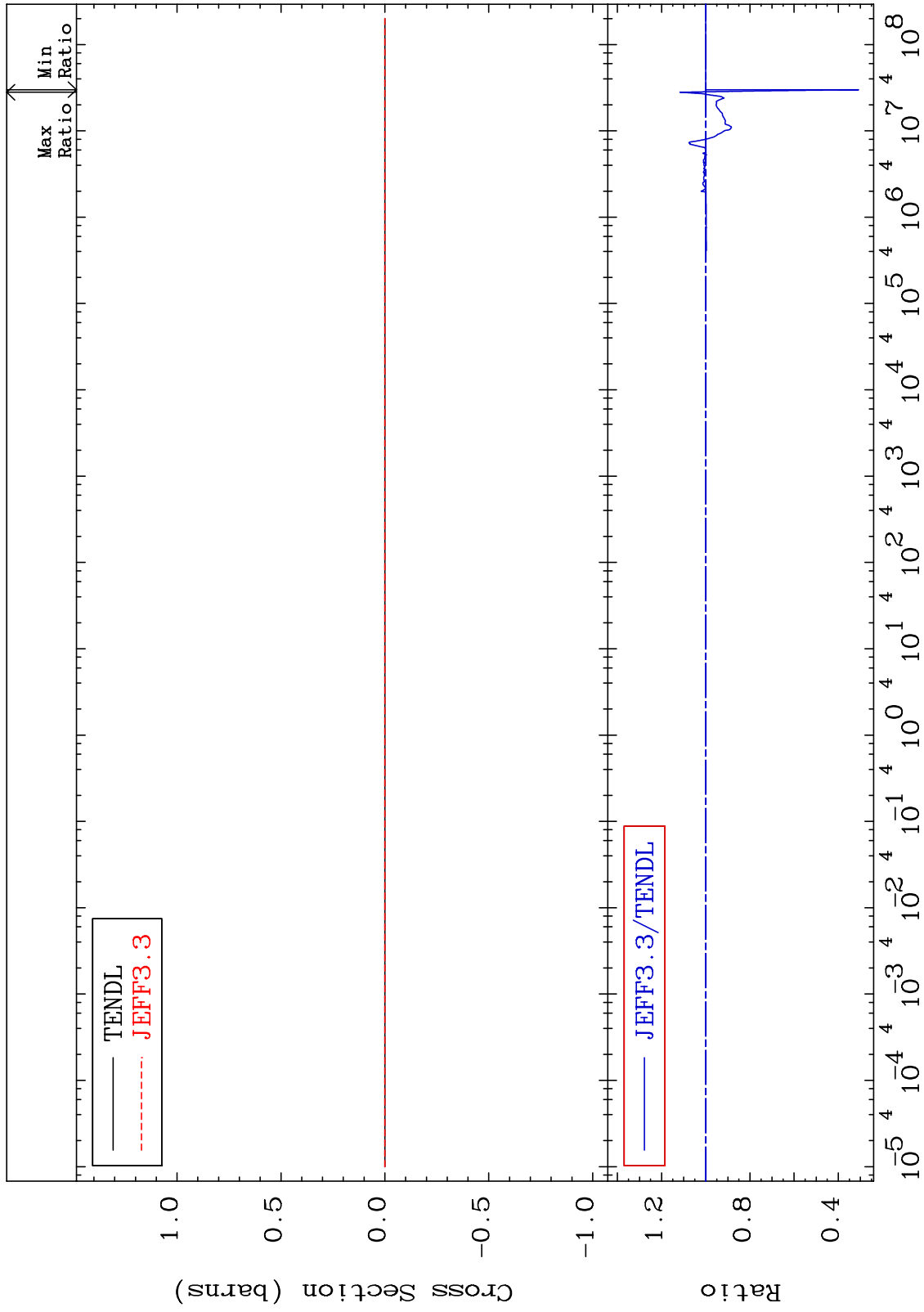
64

78-Pt-198

MAT 7849

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

78-Pt-198
-69.11 To 11.67 %



65

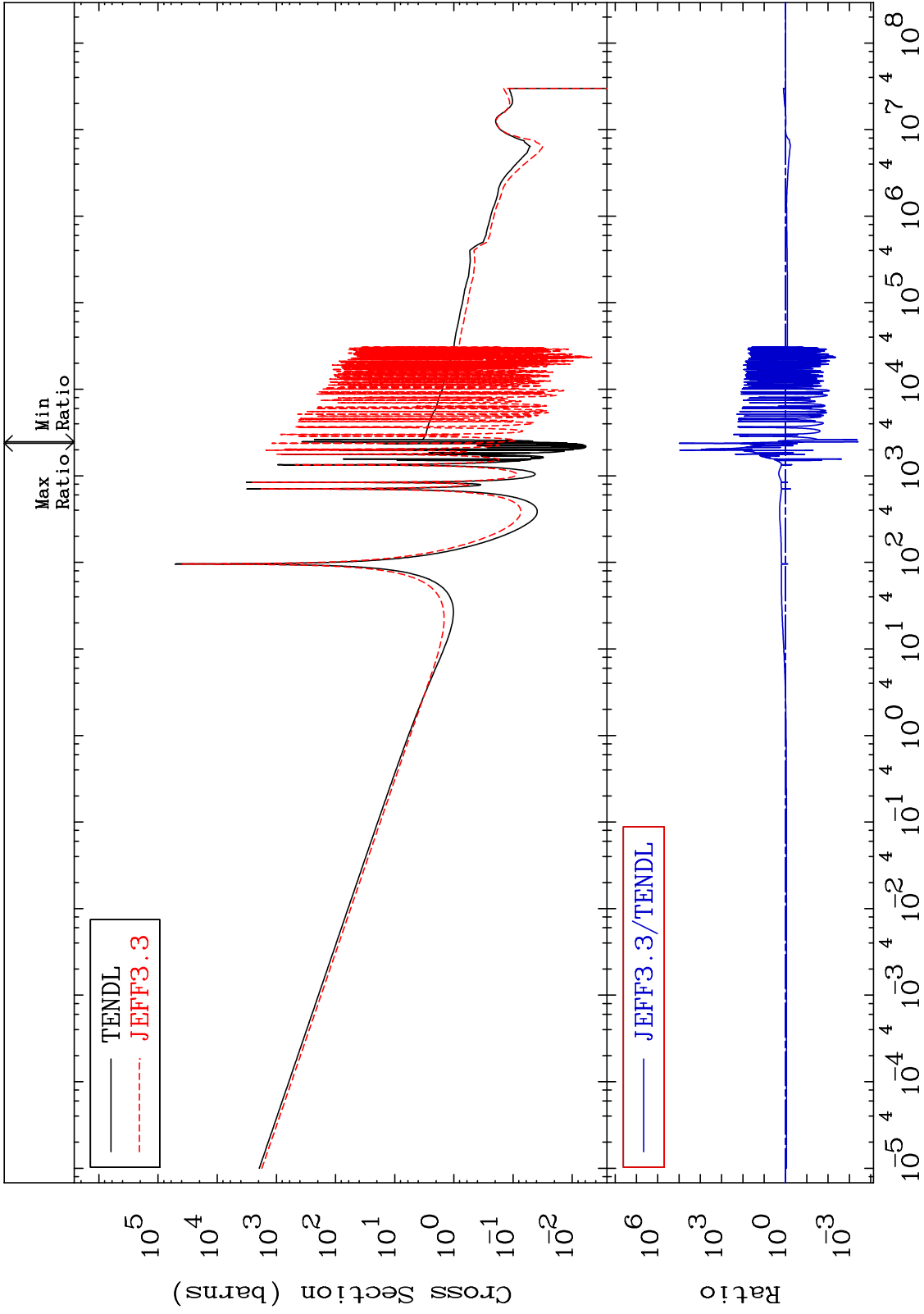
Incident Energy (eV)

78-Pt-198

MAT 7849

Kerma capture (mt102)
Cross Section

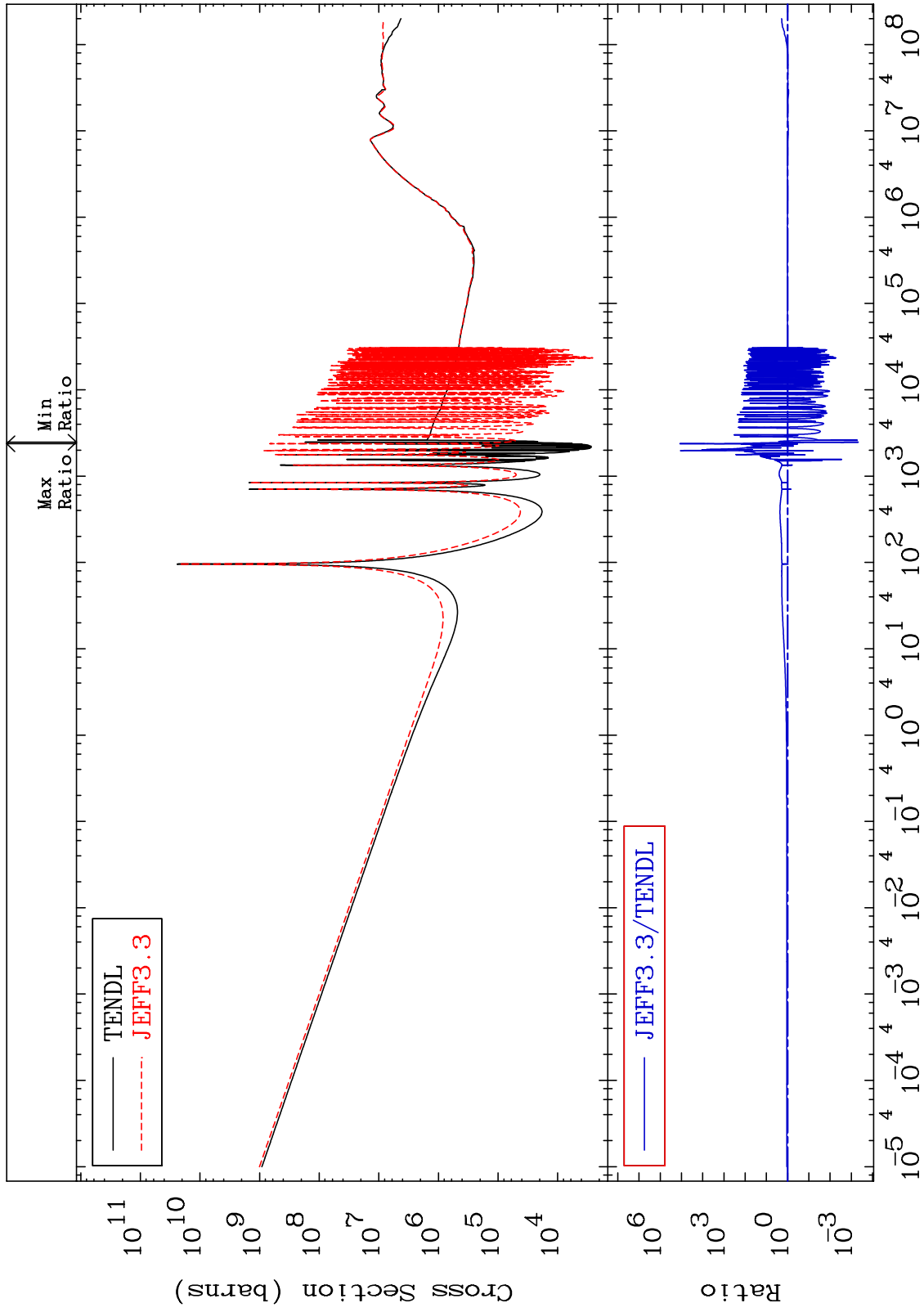
78-Pt-198
-99.96 To 9999. %



MAT 7849

Total photon (eV-barns)
Cross Section

78-Pt-198
-99.95 To 9999. %



67

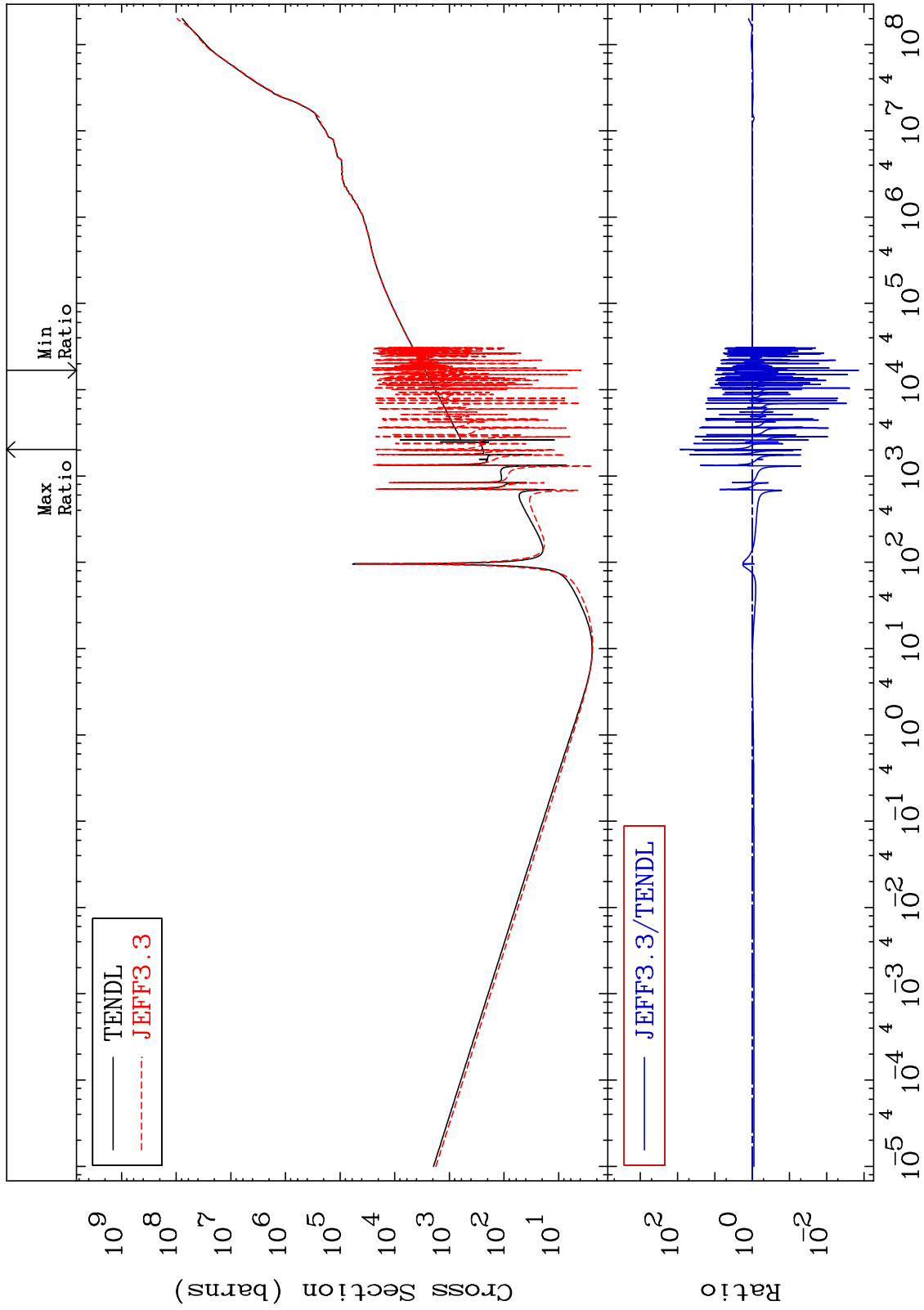
Incident Energy (eV)

78-Pt-198

MAT 7849

Total kinematic kerma (high limit)
Cross Section

78-Pt-198
-99.86 To 8510. %



68

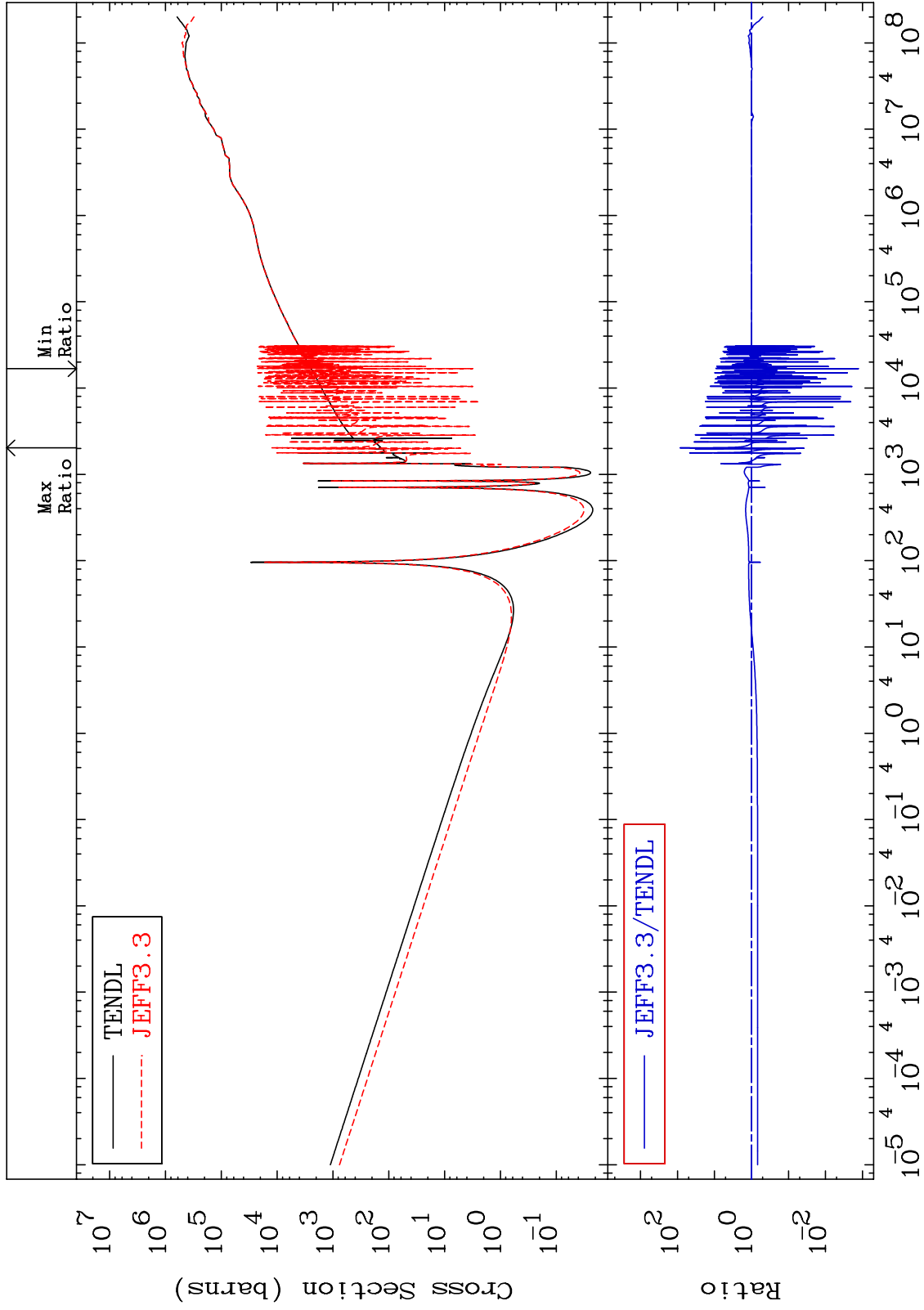
Incident Energy (eV)

78-Pt-198

MAT 7849

Dpa total (eV-barns)
Cross Section

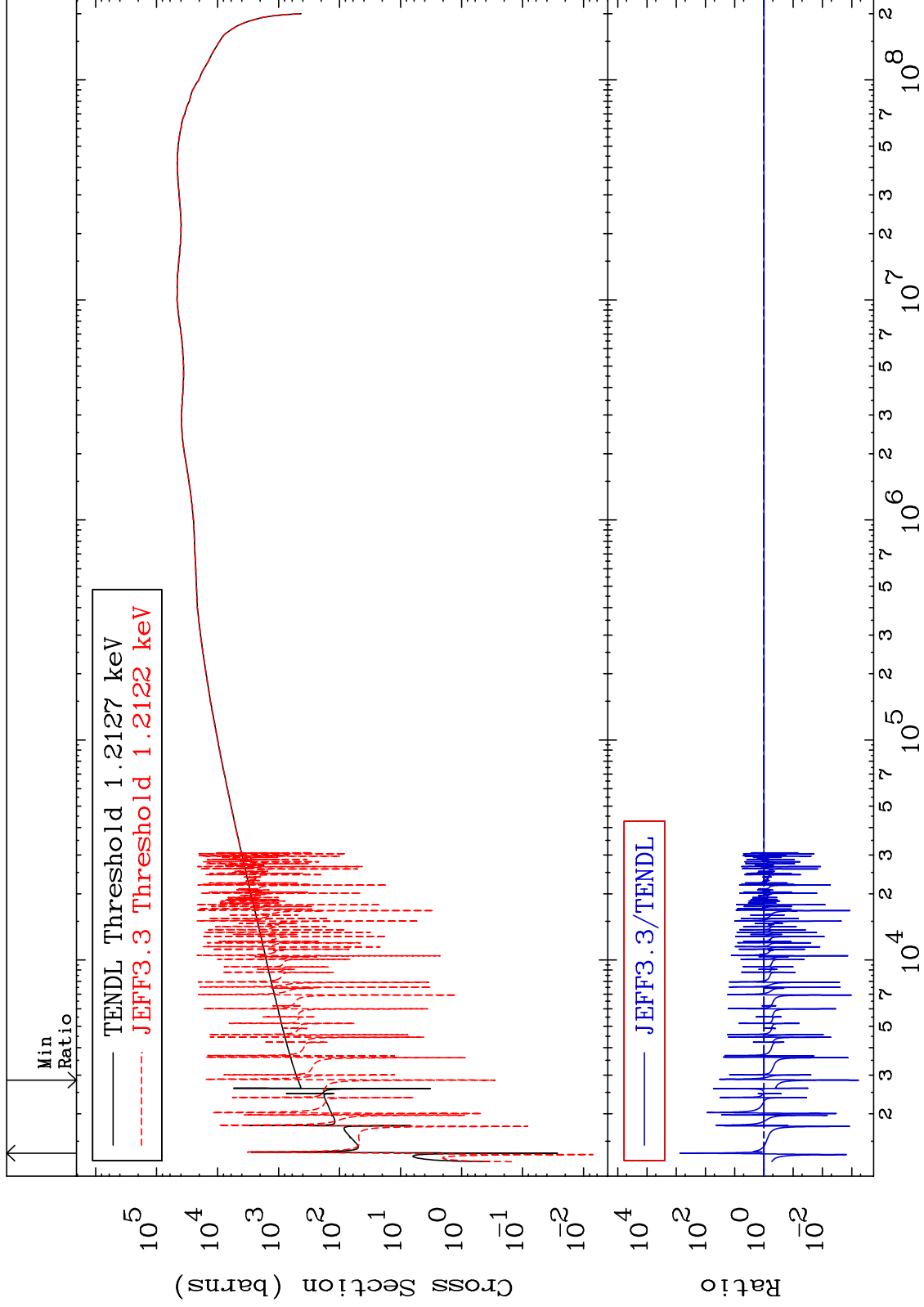
78-Pt-198
-99.87 To 8445. %



MAT 7849

Dpa elastic (mt2)
Cross Section

78-Pt-198
-99.94 To 9999. %



70

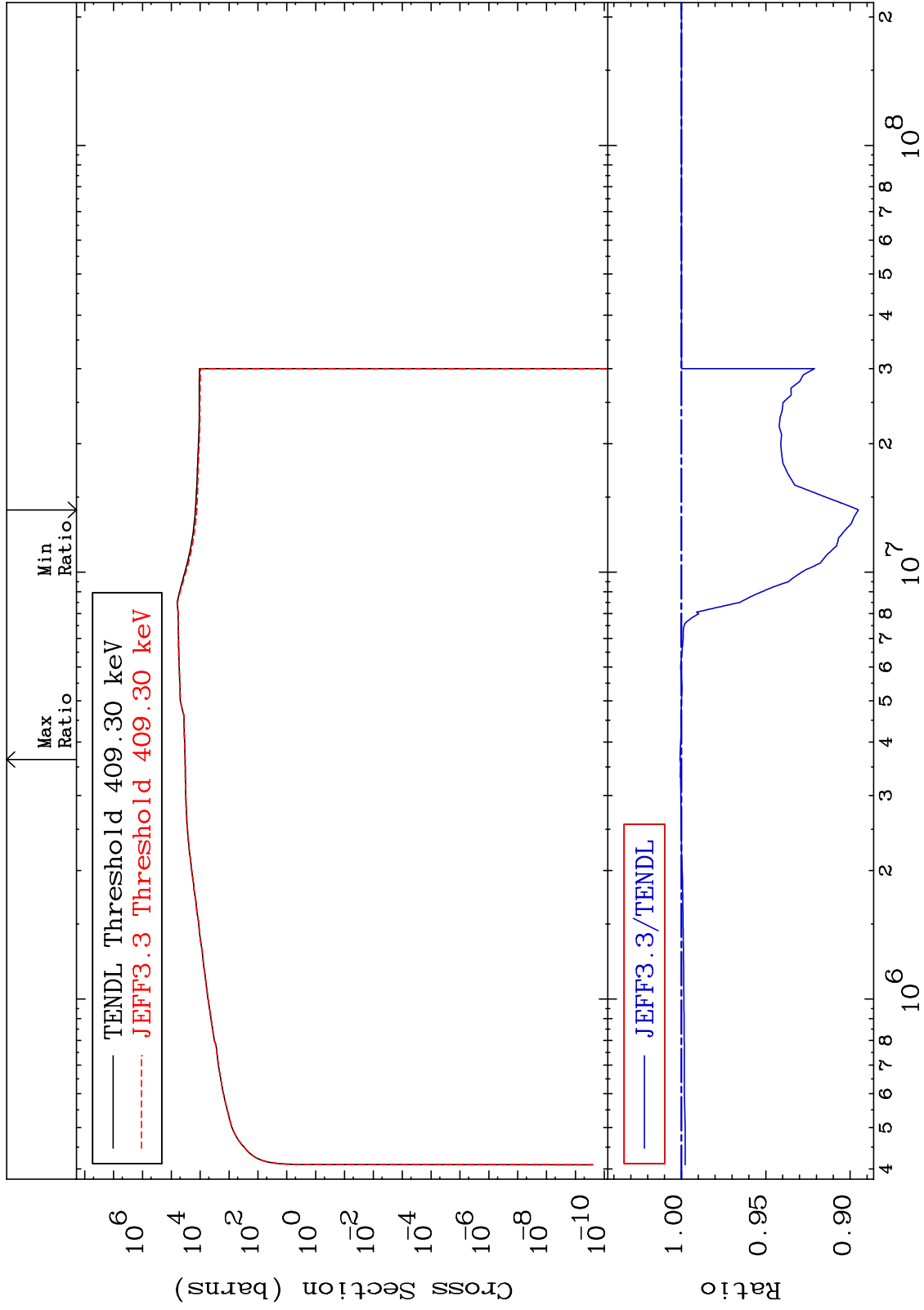
Incident Energy (eV)

78-Pt-198

MAT 7849

Dpa inelastic (mt51-91)
Cross Section

78-Pt-198
-10.49 To 0.082 %



71

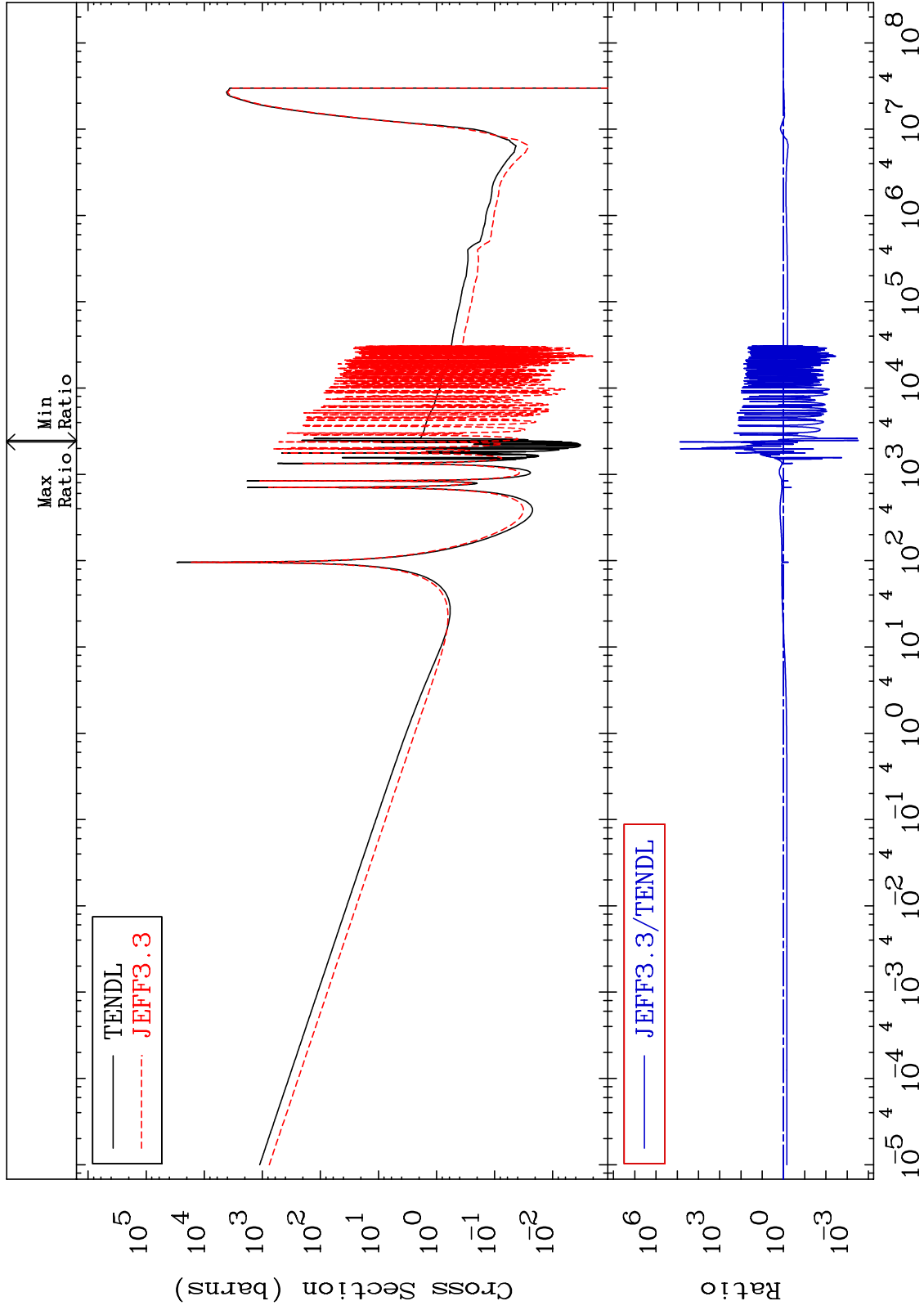
Incident Energy (eV)

78-Pt-198

MAT 7849

Dpa disappearance (mt102 -120)
Cross Section

78-Pt-198
-99.97 To 9999. %



72

Incident Energy (eV)

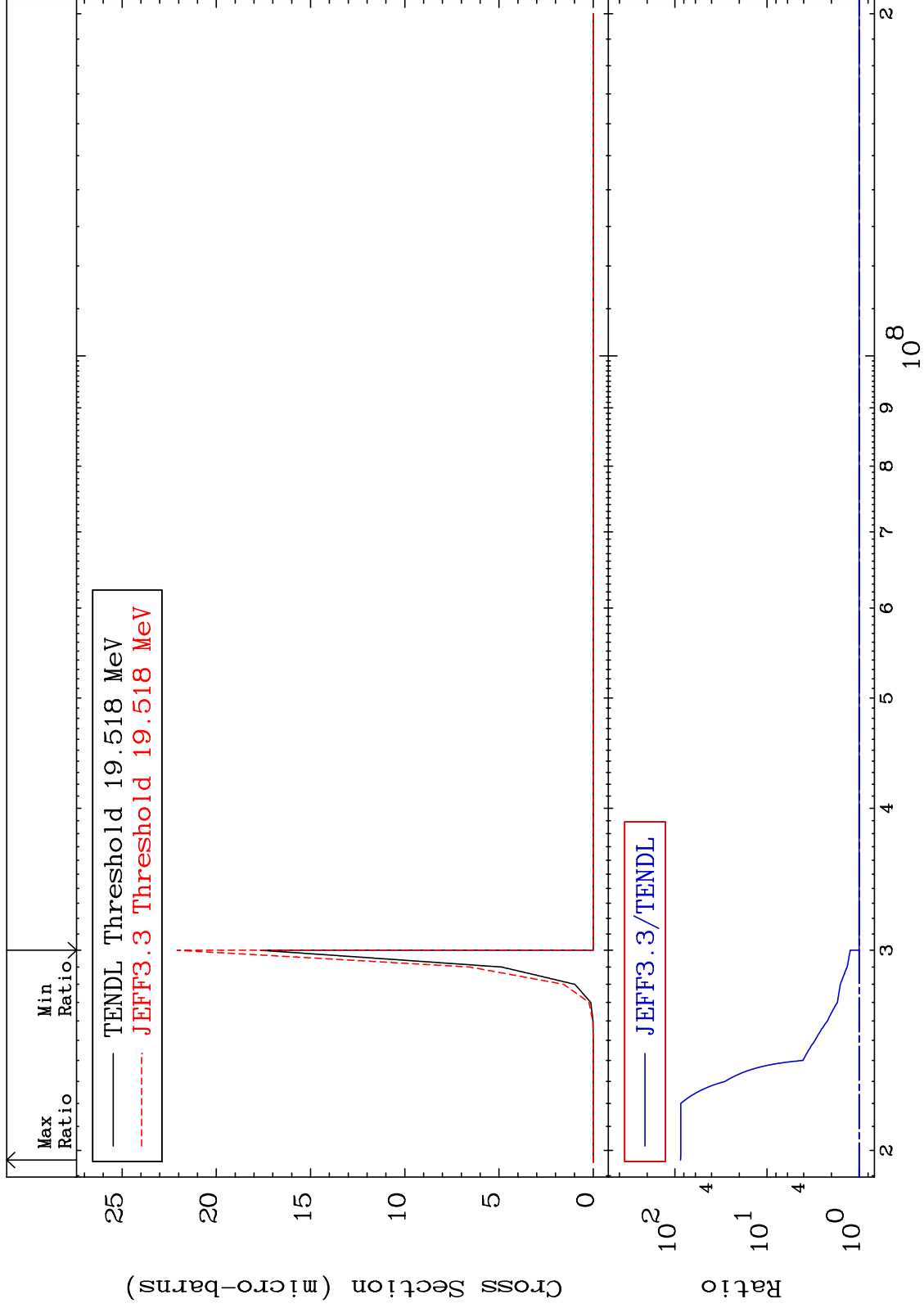
78-Pt-198

MAT 7849

(n,2n) d:77-Ir-195g

78-Pt-198

Radionuclide Production Cross Section 0.000 To 8583. %



73

Incident Energy (eV)

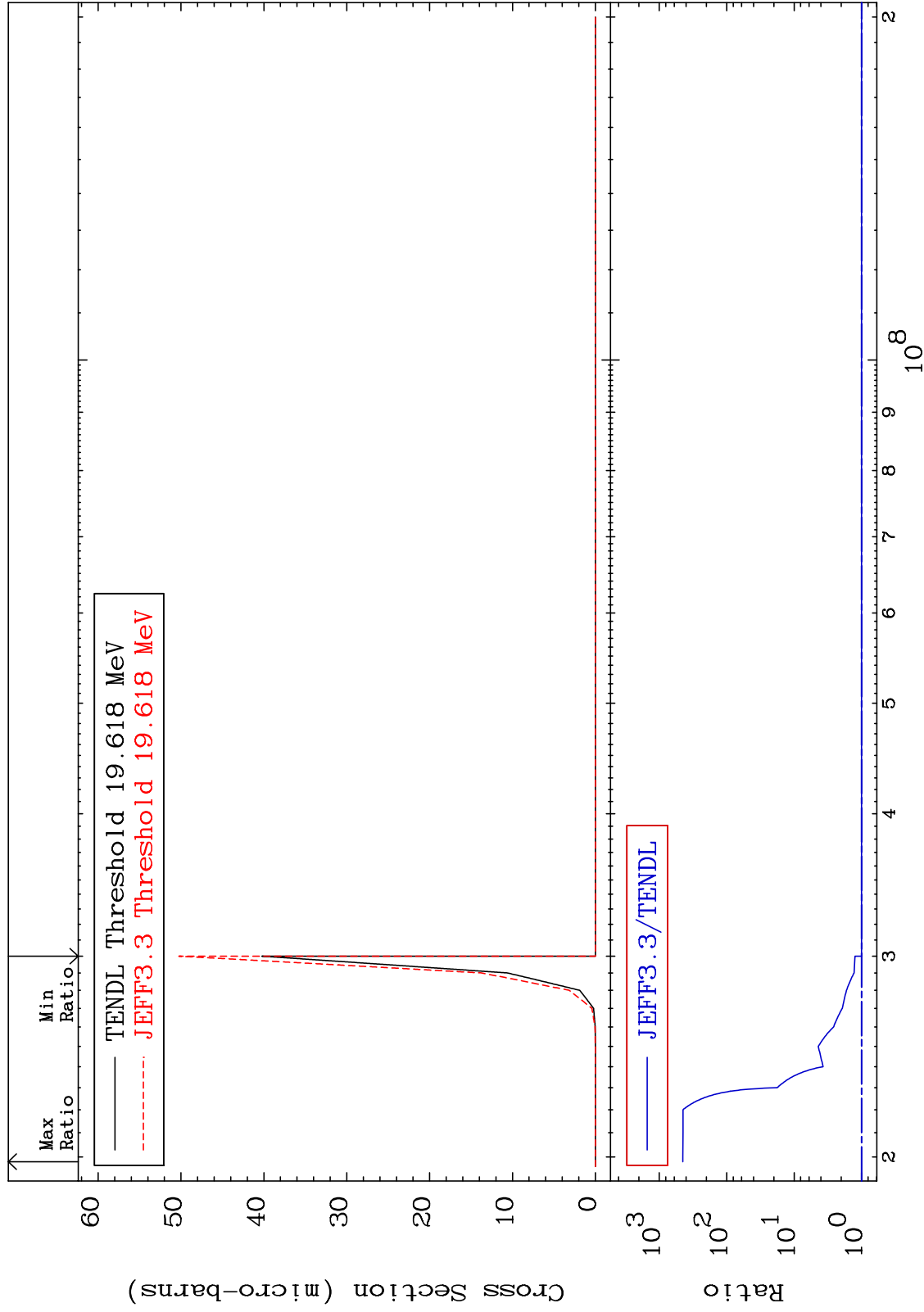
78-Pt-198

MAT 7849

(n,2n) d:77-Ir-195m2

78-Pt-198

Radionuclide Production Cross Section 0.000 To 9999. %



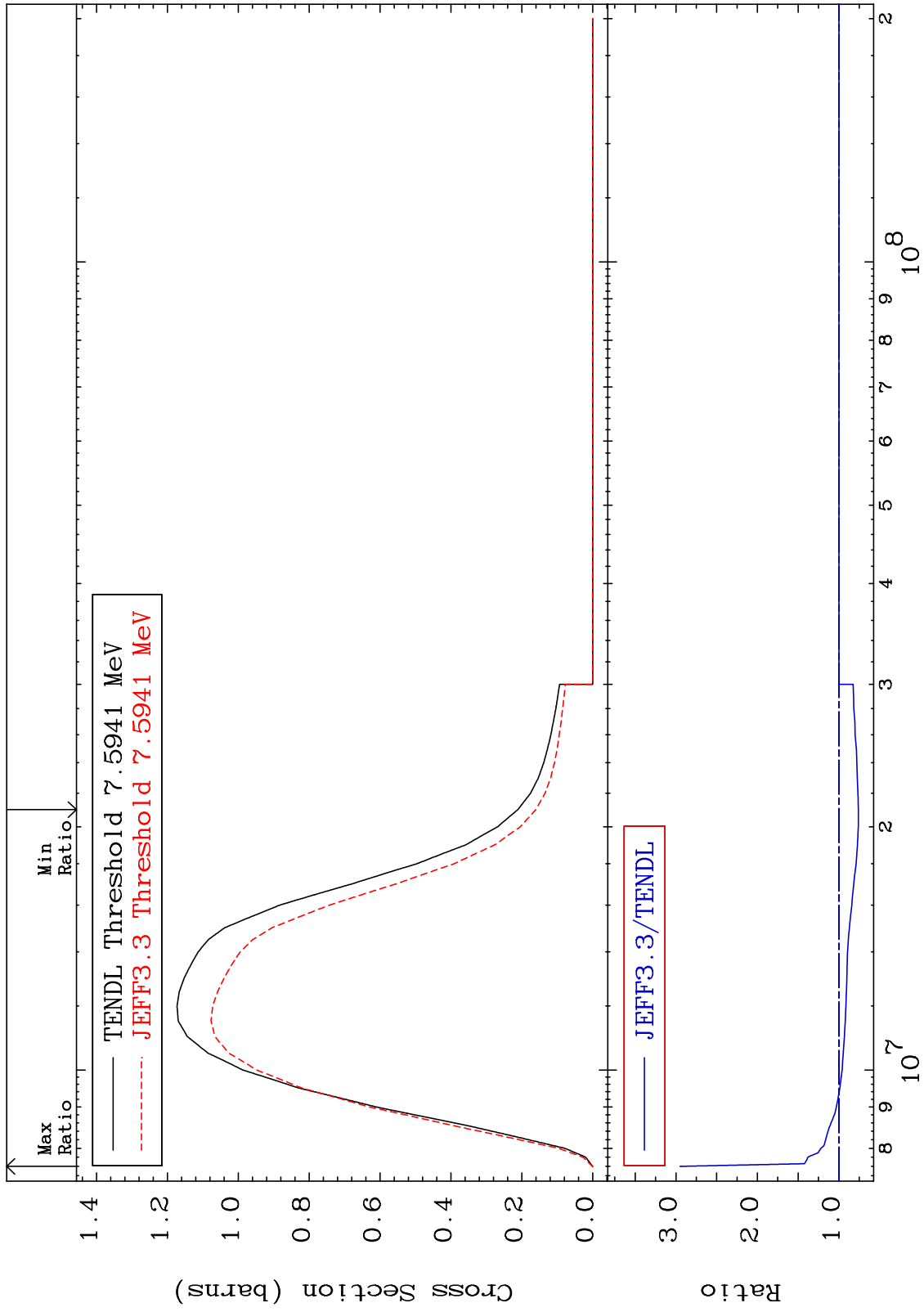
MAT 7849

(n,2n):78-Pt-197g

78-Pt-198

Radionuclide Production Cross Section

-23.99 To 195.0 %



75

Incident Energy (eV)

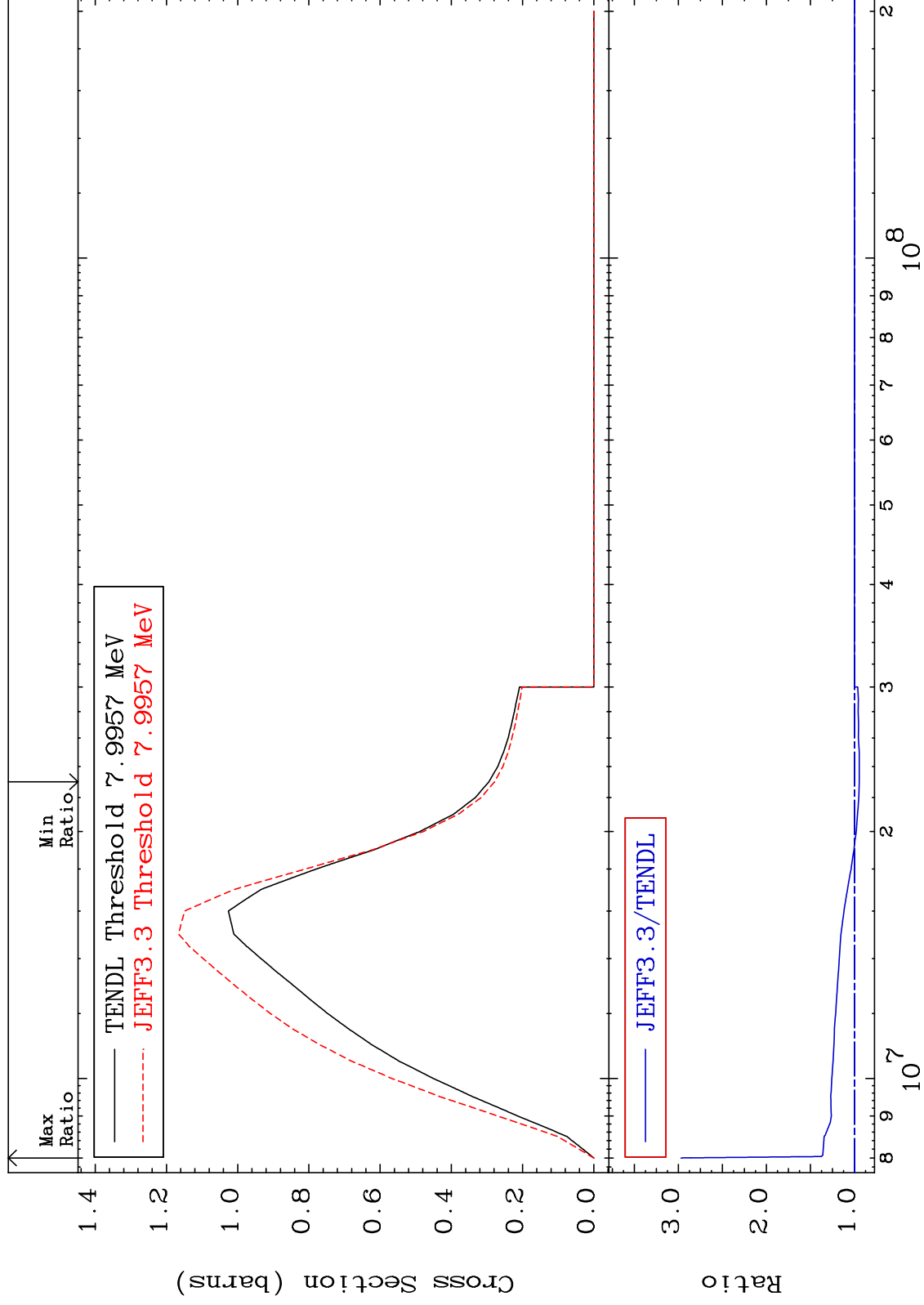
78-Pt-198

MAT 7849

(n,2n): 78-Pt-197m9

78-Pt-198

Radionuclide Production Cross Section -5.388 To 197.0 %



76

Incident Energy (eV)

78-Pt-198

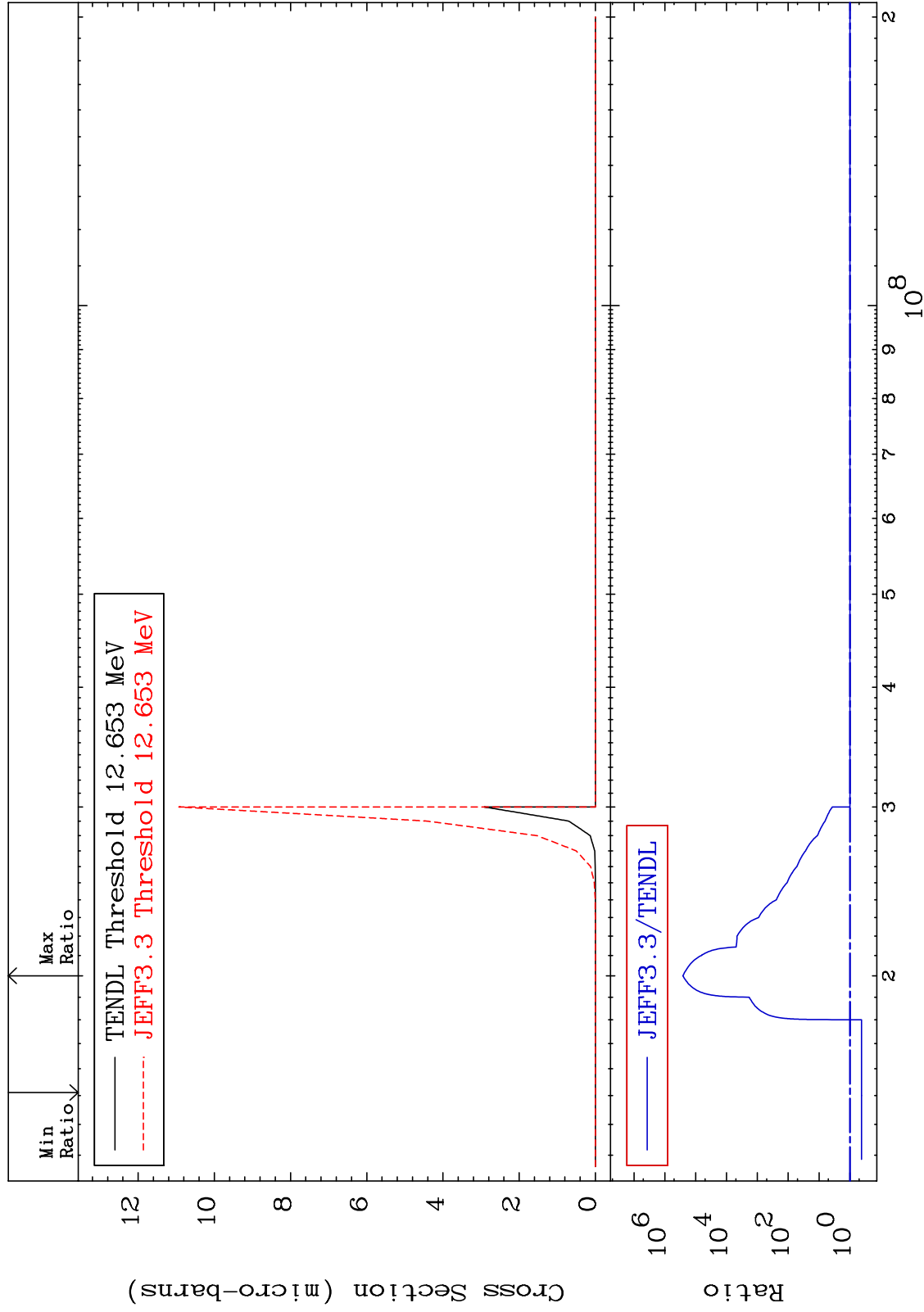
MAT 7849

(n,3n) α :76-0s-192g

78-Pt-198

Radionuclide Production Cross Section

-58.30 To 9999. %

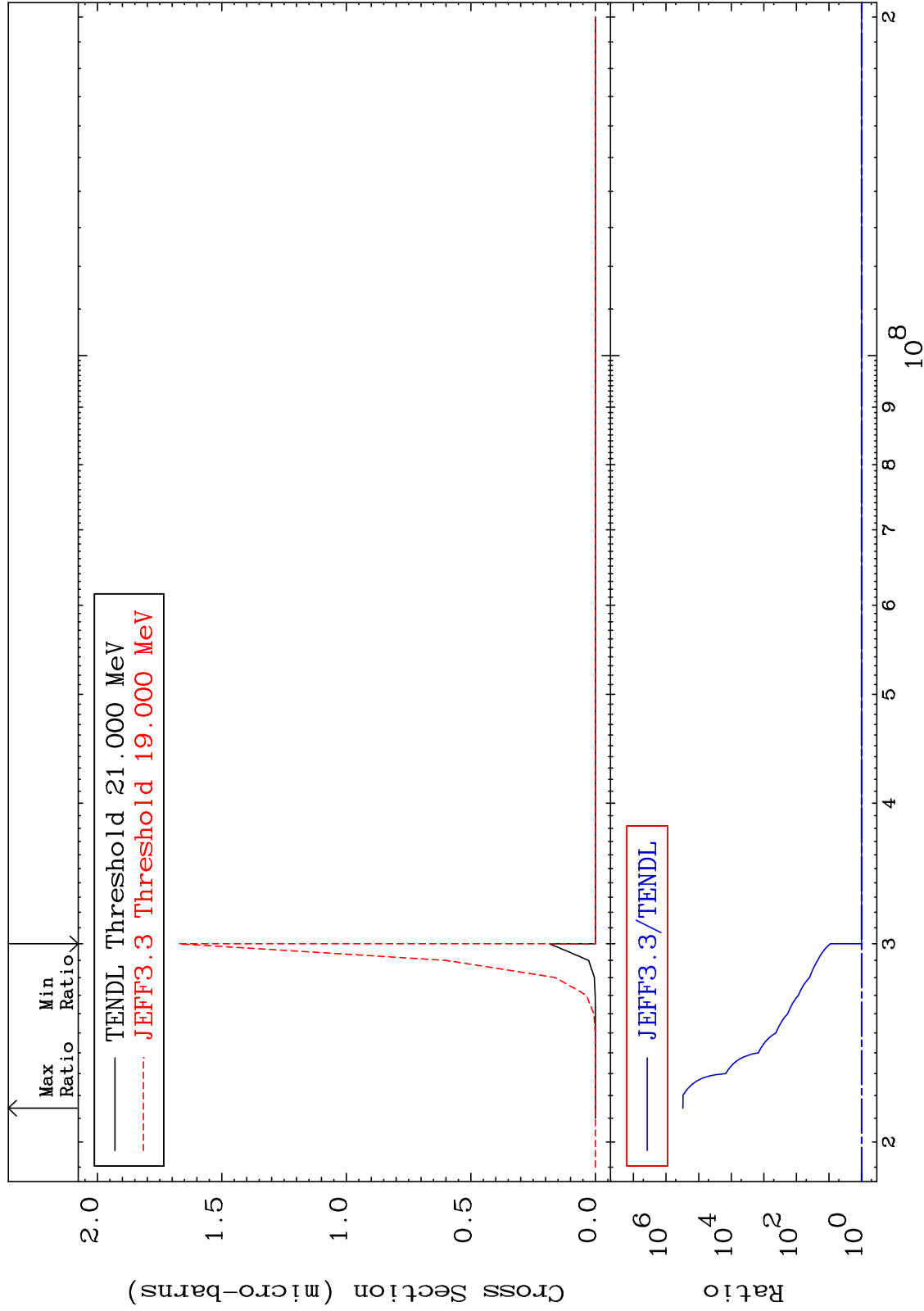


MAT 7849

(n,3n) α :76-0s-192m10

78-Pt-198

Radionuclide Production Cross Section 0.000 To 9999. %



78

Incident Energy (eV)

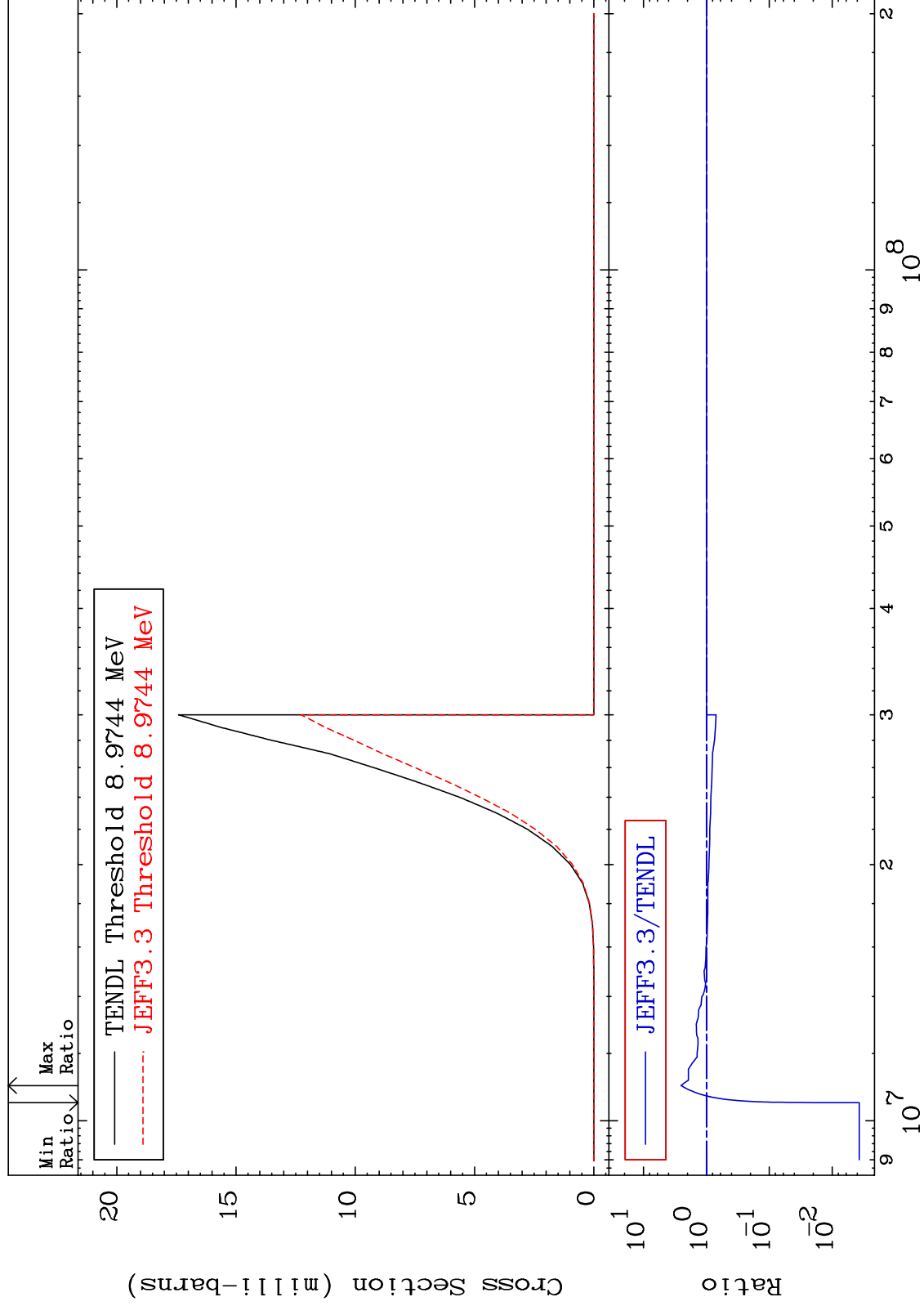
78-Pt-198

MAT 7849

(n, n') p:77-Ir-197g

78-Pt-198

Radionuclide Production Cross Section -99.63 To 153.0 %



79

Incident Energy (eV)

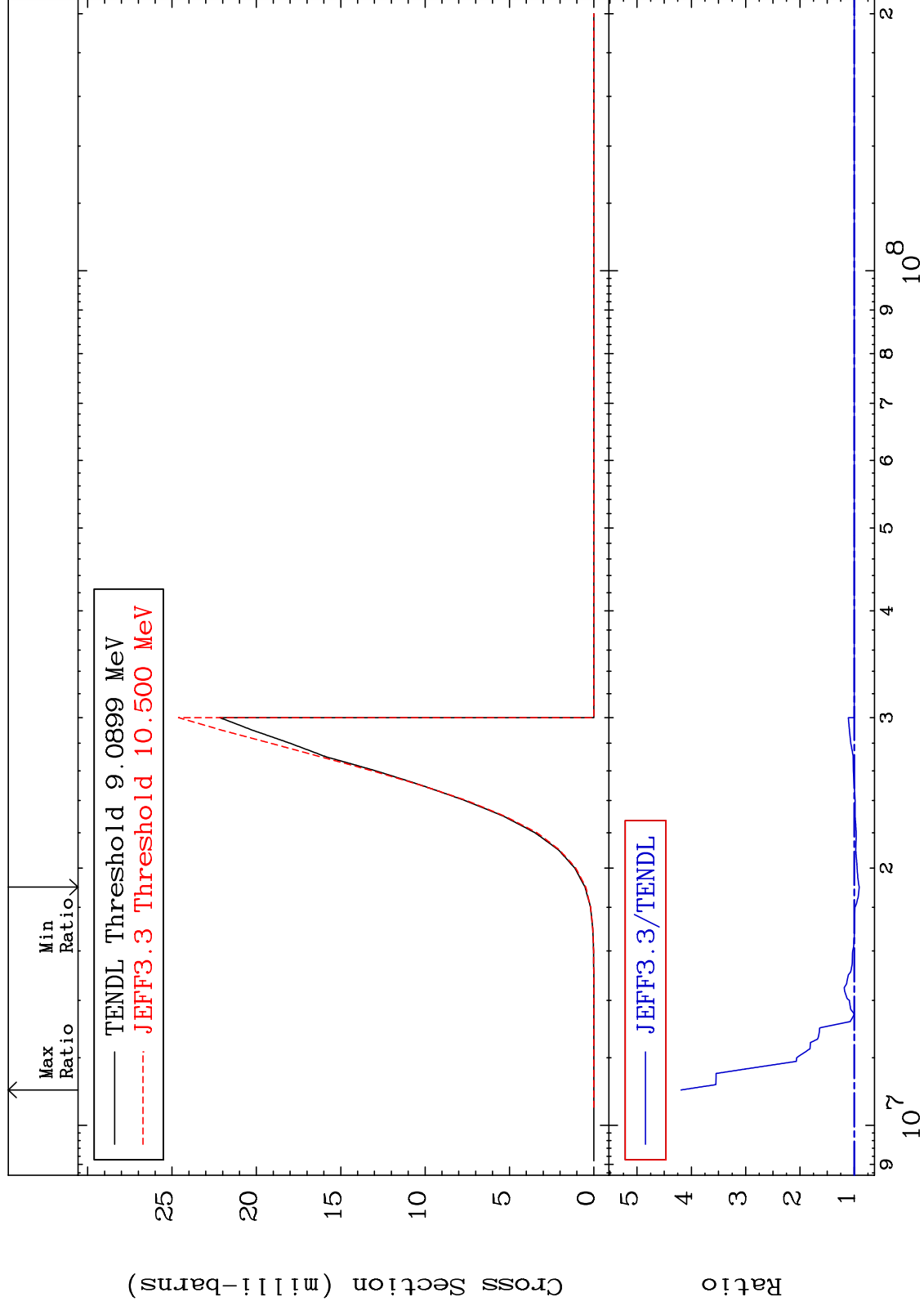
78-Pt-198

MAT 7849

(n, n') p:77-Ir-197m2

78-Pt-198

Radionuclide Production Cross Section -9.154 To 319.0 %



80

Incident Energy (eV)

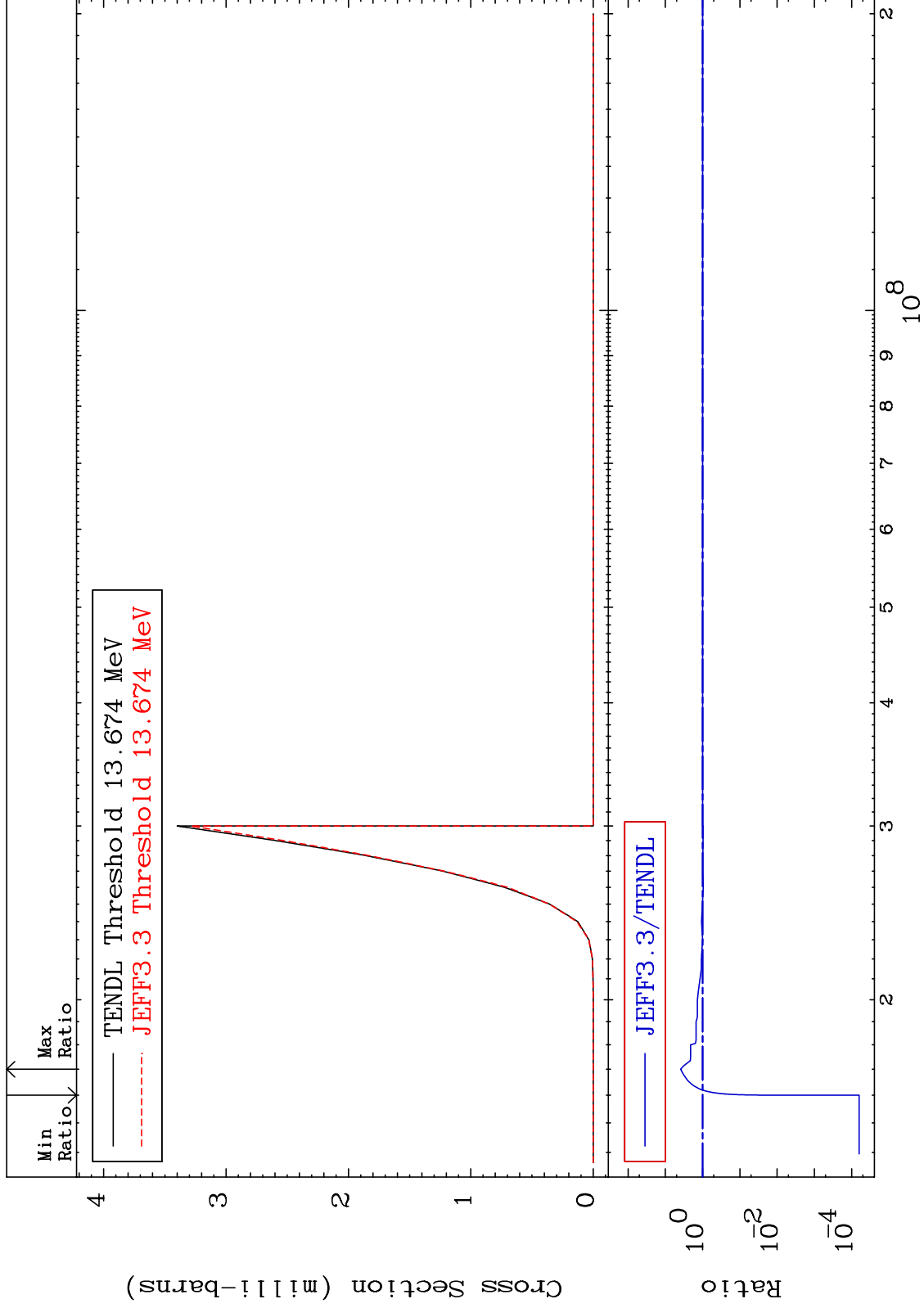
78-Pt-198

MAT 7849

(n, n') d:77-Ir-196g

78-Pt-198

Radionuclide Production Cross Section -99.99 To 288.9 %

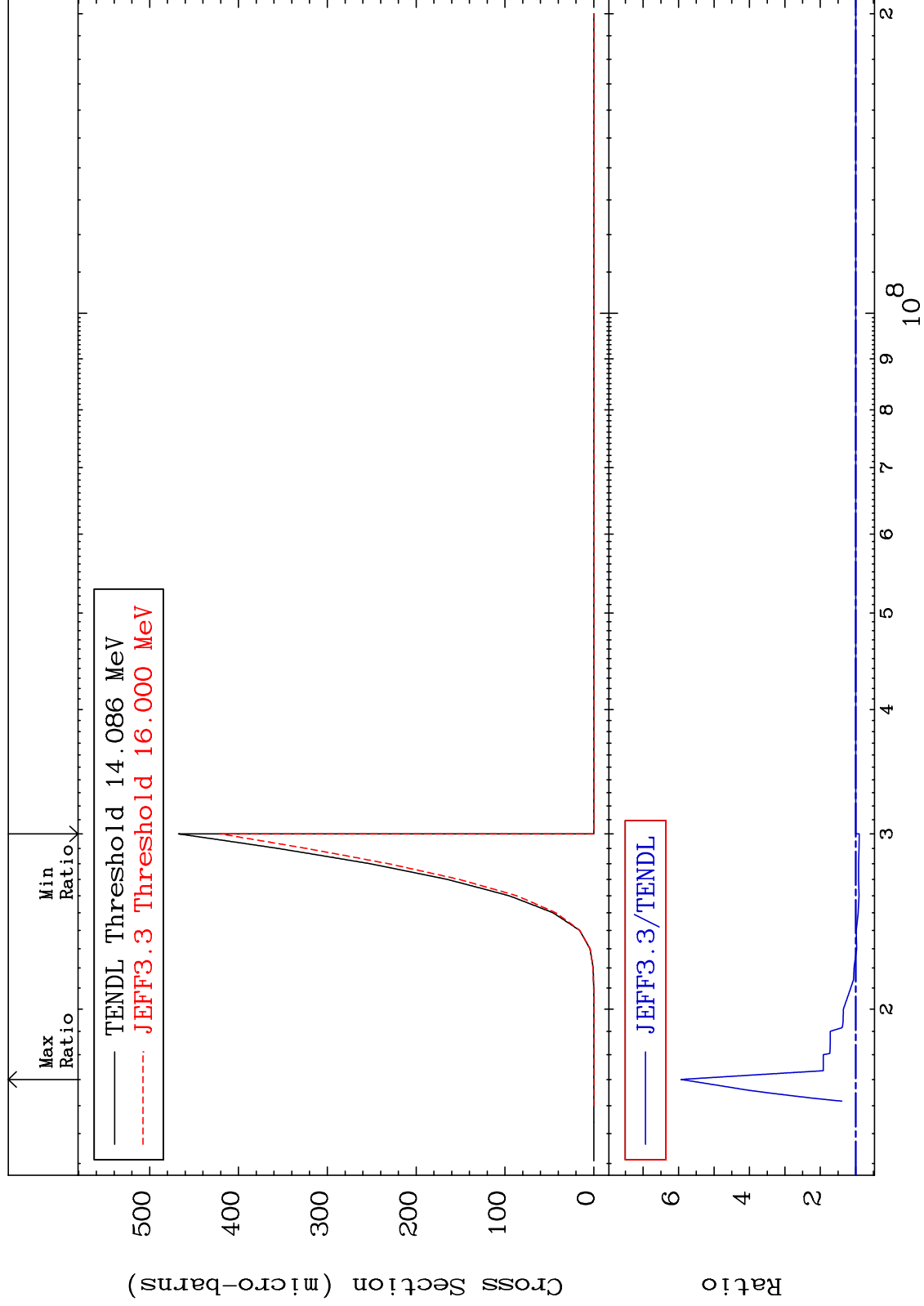


MAT 7849

(n, n') d:77-Ir-196m4

78-Pt-198

Radionuclide Production Cross Section -9.998 To 493.1 %

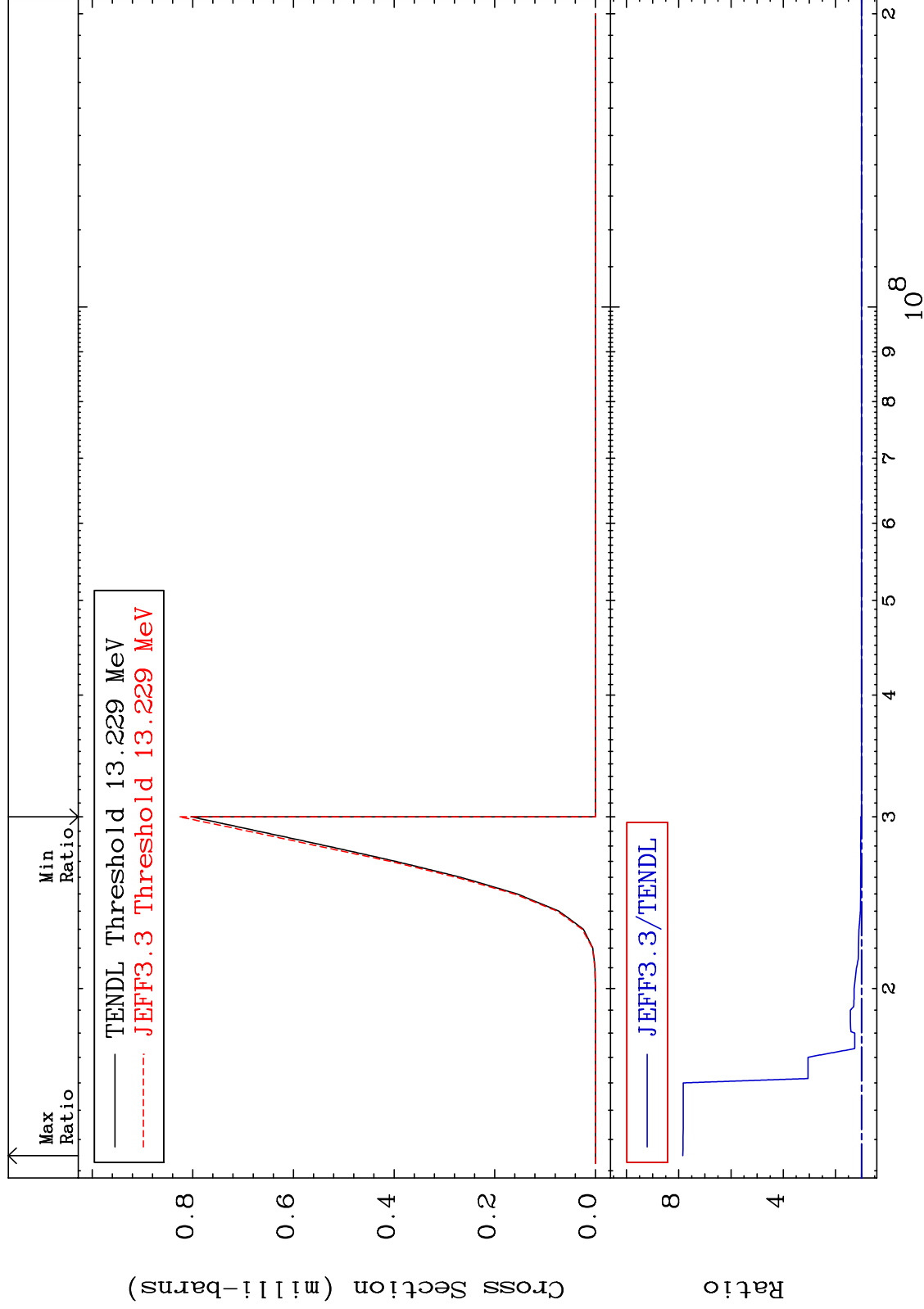


MAT 7849

(n, n') t:77-Ir-195g

78-Pt-198

Radionuclide Production Cross Section 0.000 To 684.2 %

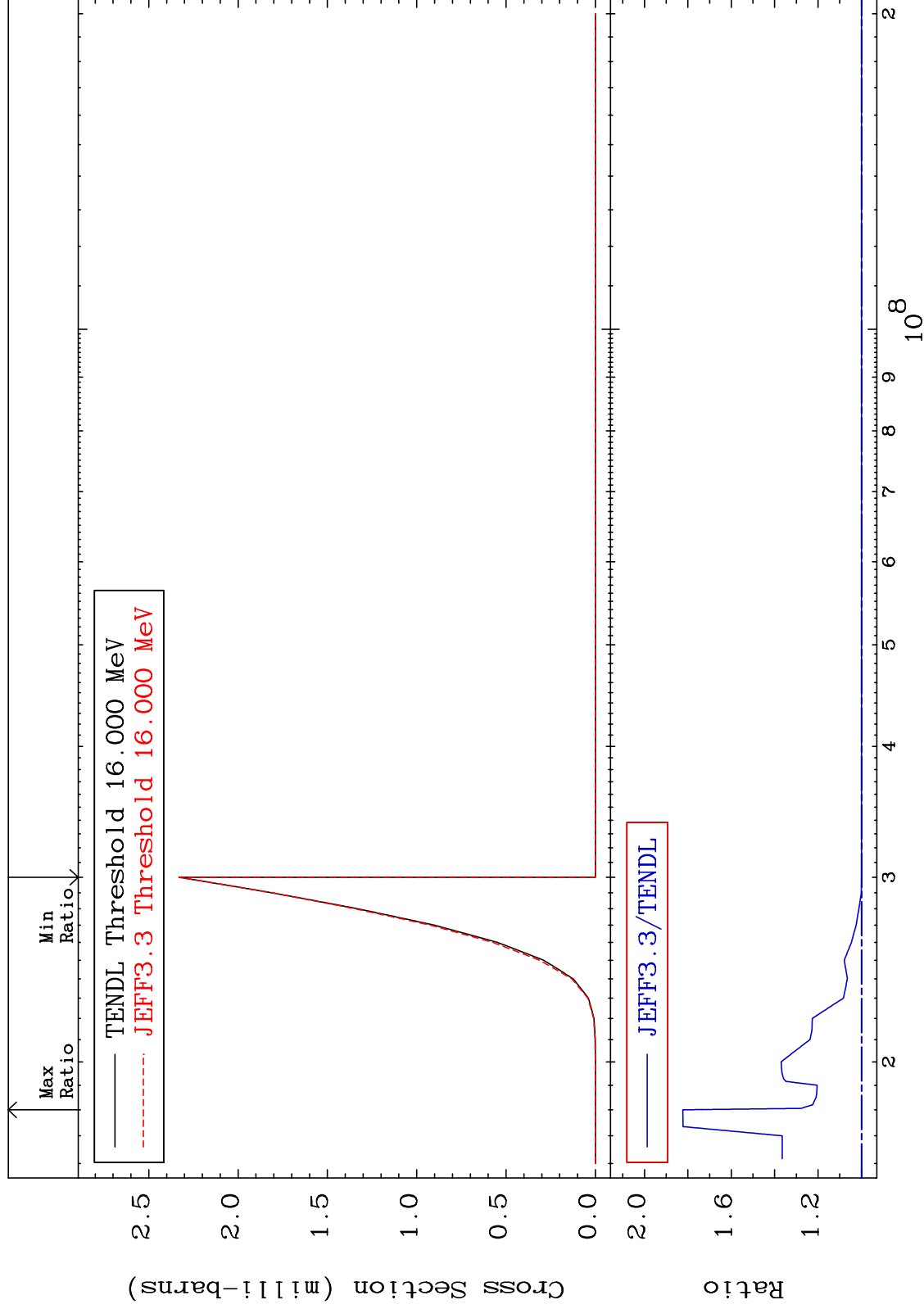


MAT 7849

(n, n') t:77-Ir-195m2

78-Pt-198

Radionuclide Production Cross Section -0.058 To 82.31 %

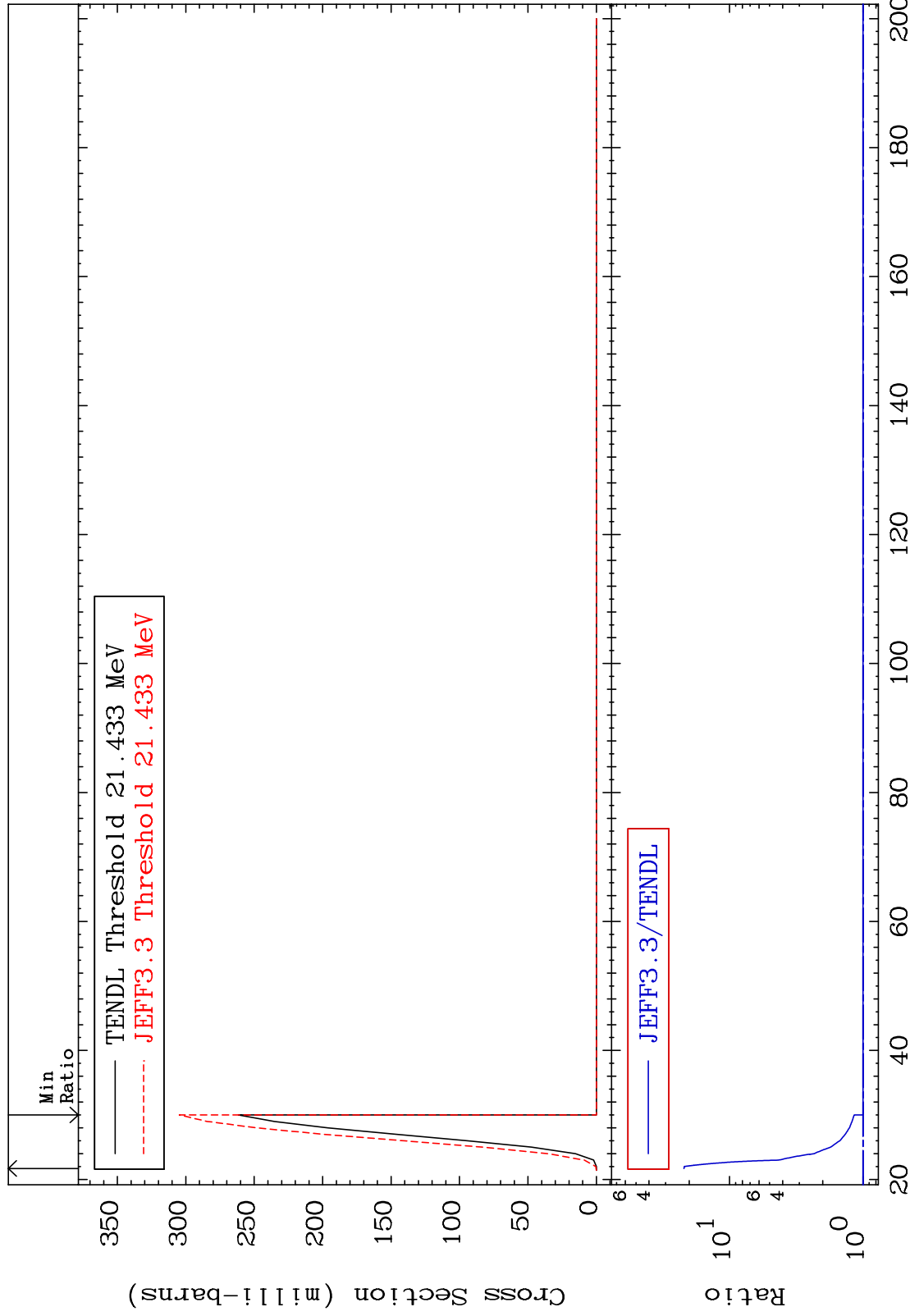


MAT 7849

(n,4n):78-Pt-195g

78-Pt-198

Radionuclide Production Cross Section 0.000 To 2085. %



85

Incident Energy (MeV)

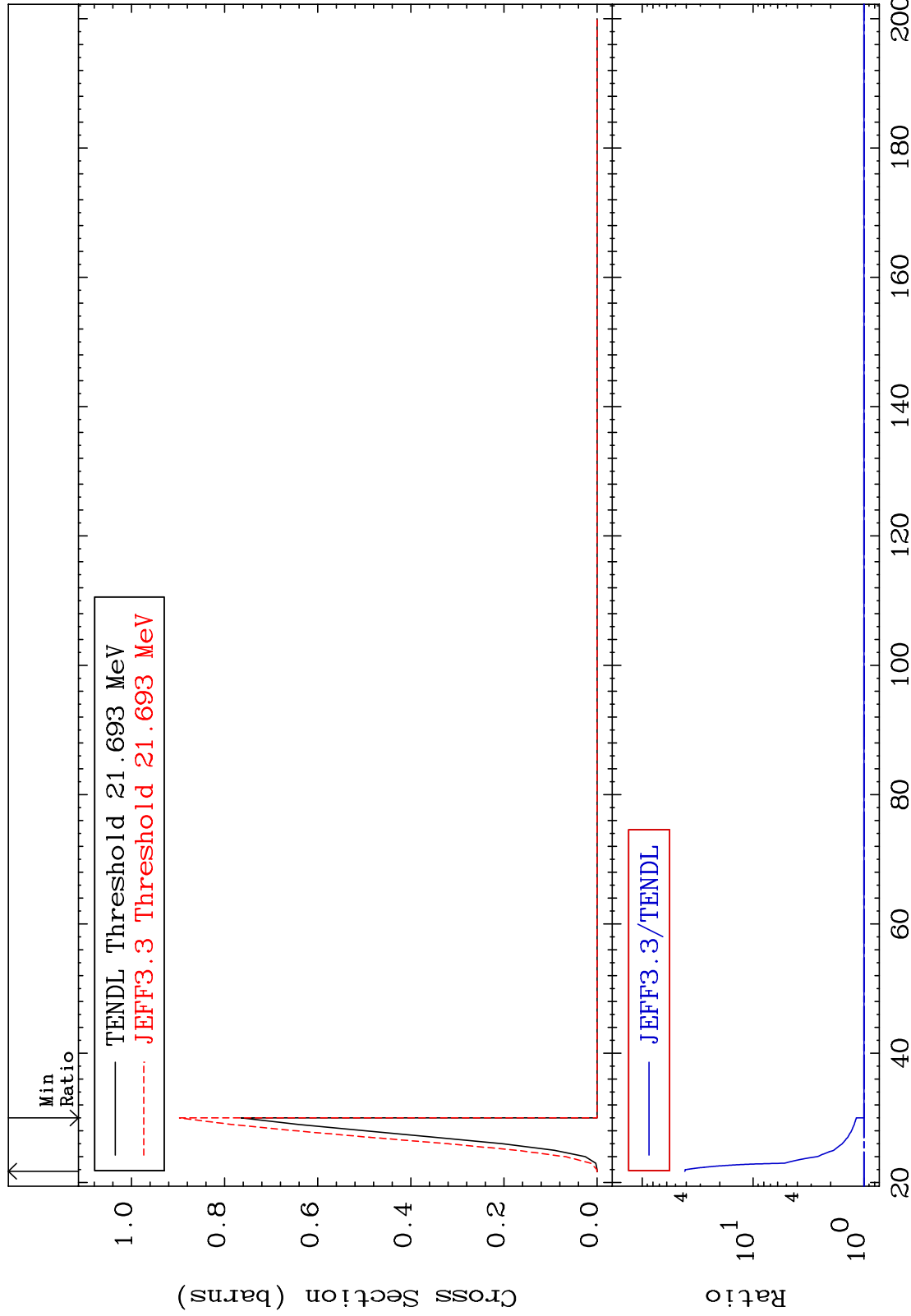
78-Pt-198

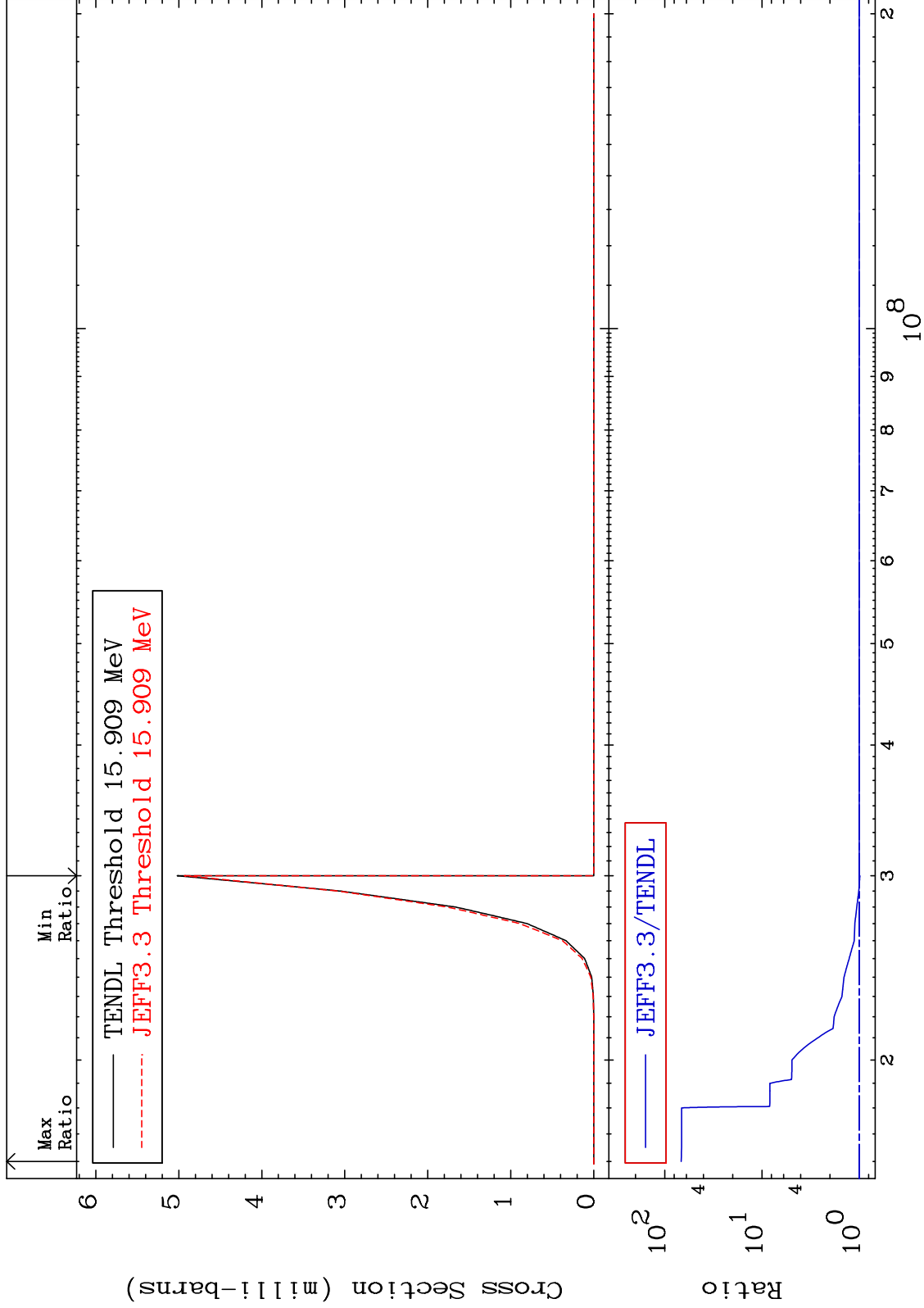
MAT 7849

(n, 4n): 78-Pt-195m7

78-Pt-198

Radionuclide Production Cross Section 0.000 To 4032. %



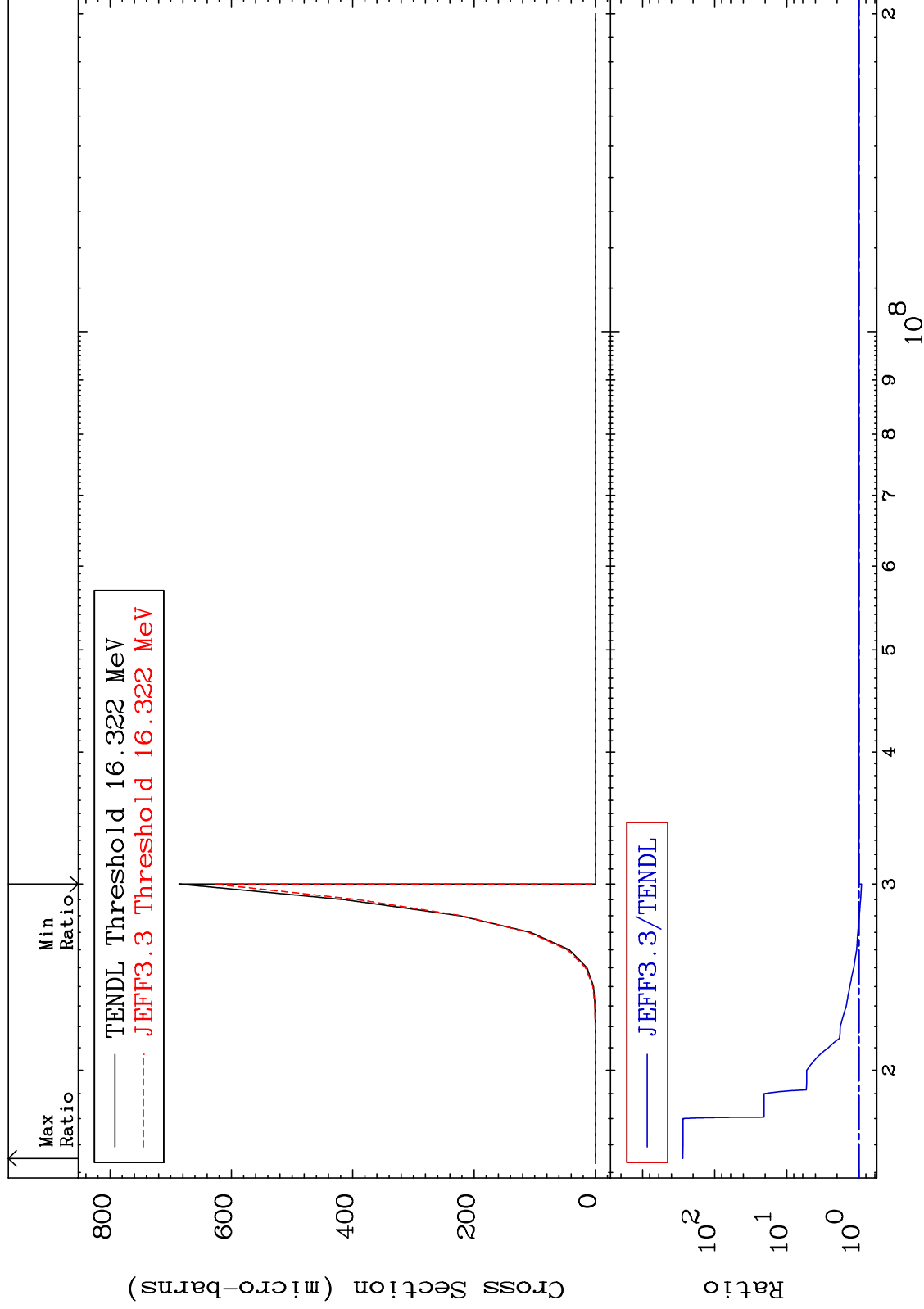


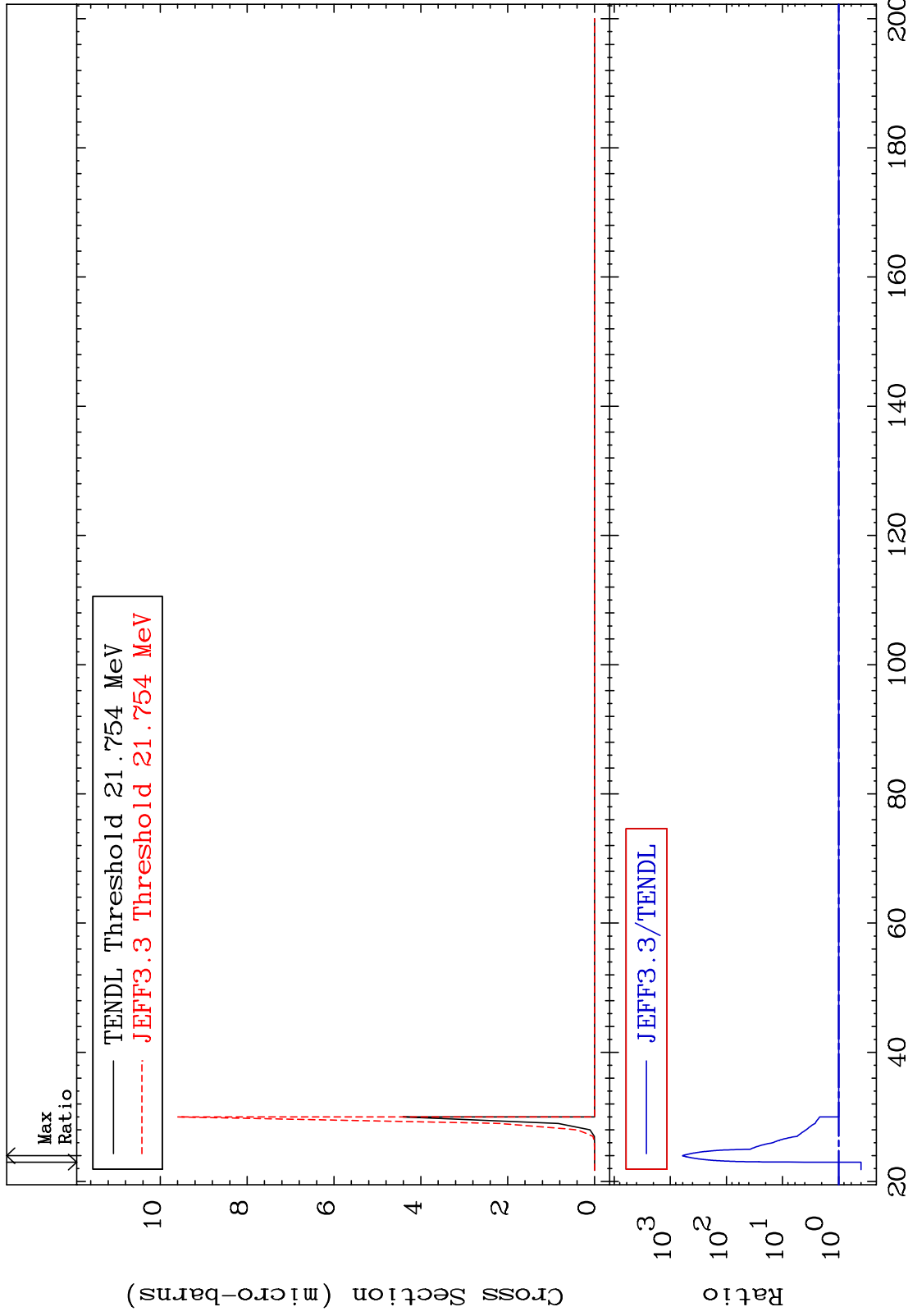
MAT 7849

(n,2n) p:77-Ir-196m4

78-Pt-198

Radionuclide Production Cross Section -8.421 To 9999. %



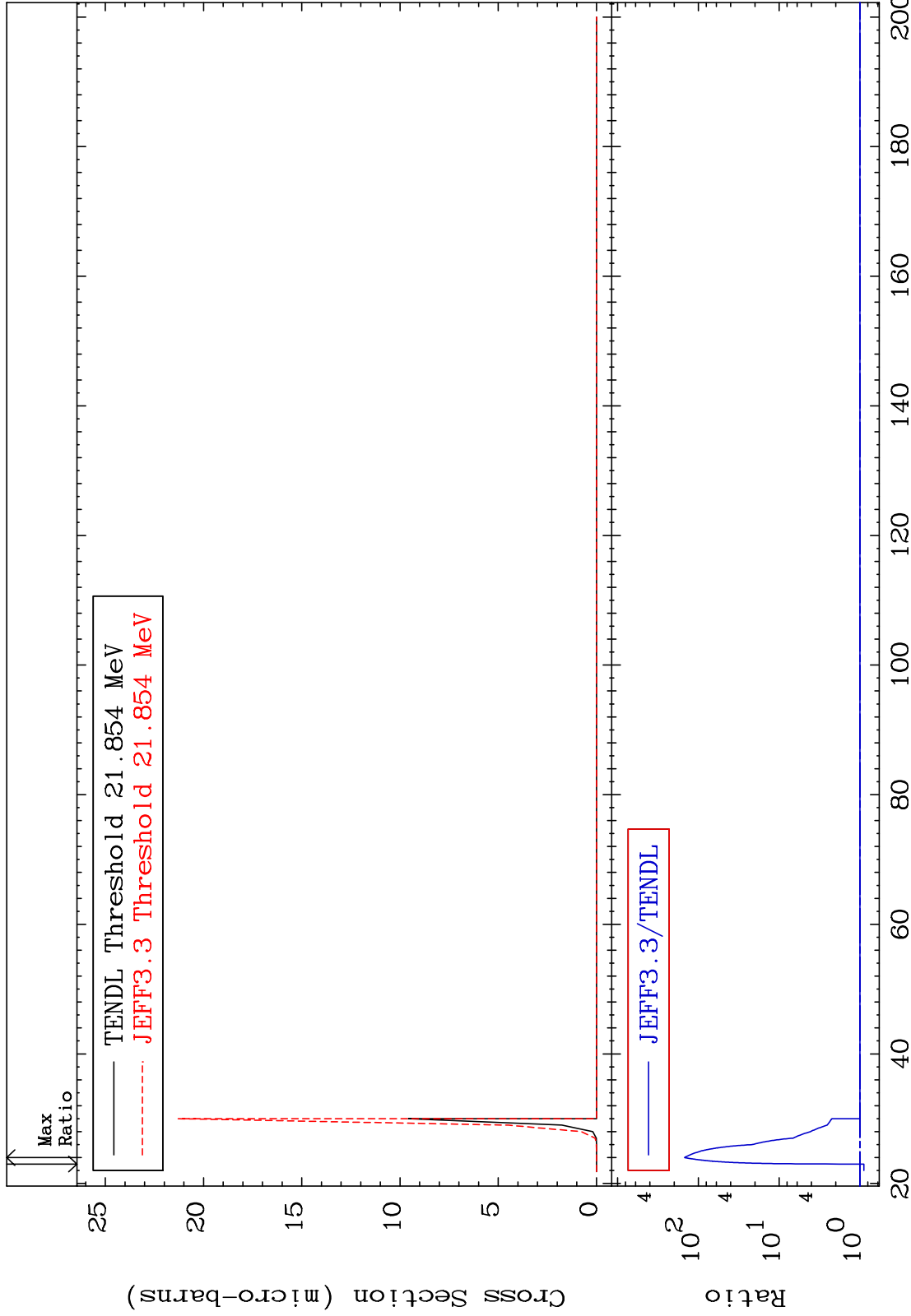


MAT 7849

(n,3n) p:77-Ir-195m2

78-Pt-198

Radionuclide Production Cross Section -10.60 To 9999. %



90

Incident Energy (MeV)

78-Pt-198

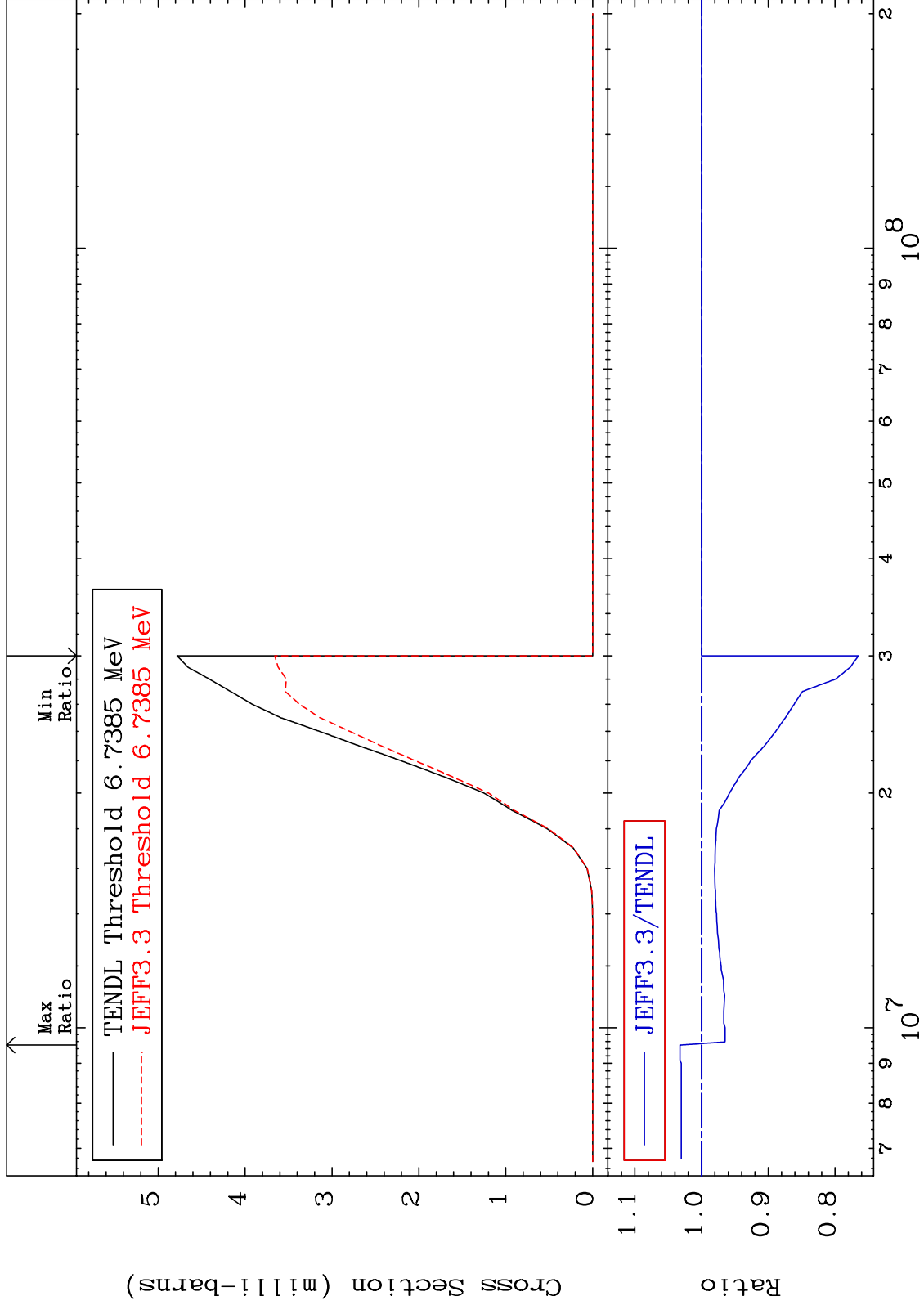
MAT 7849

(n,d):77-Ir-197g

78-Pt-198

Radionuclide Production Cross Section

-23.51 To 3.236 %



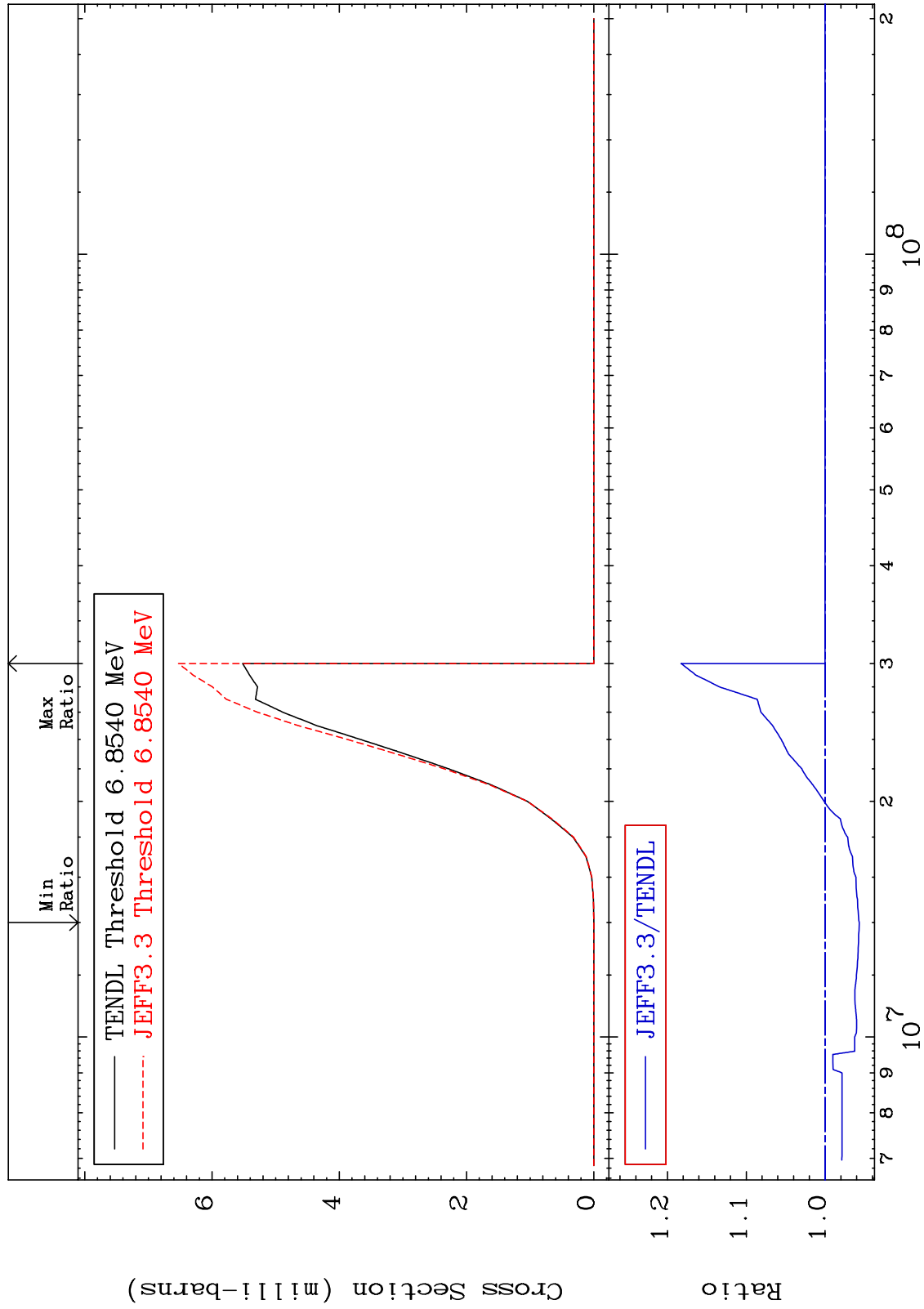
MAT 7849

(n, d) : 77-Ir-197m2

78-Pt-198

Radionuclide Production Cross Section

-4.330 To 18.27 %



92

Incident Energy (eV)

78-Pt-198

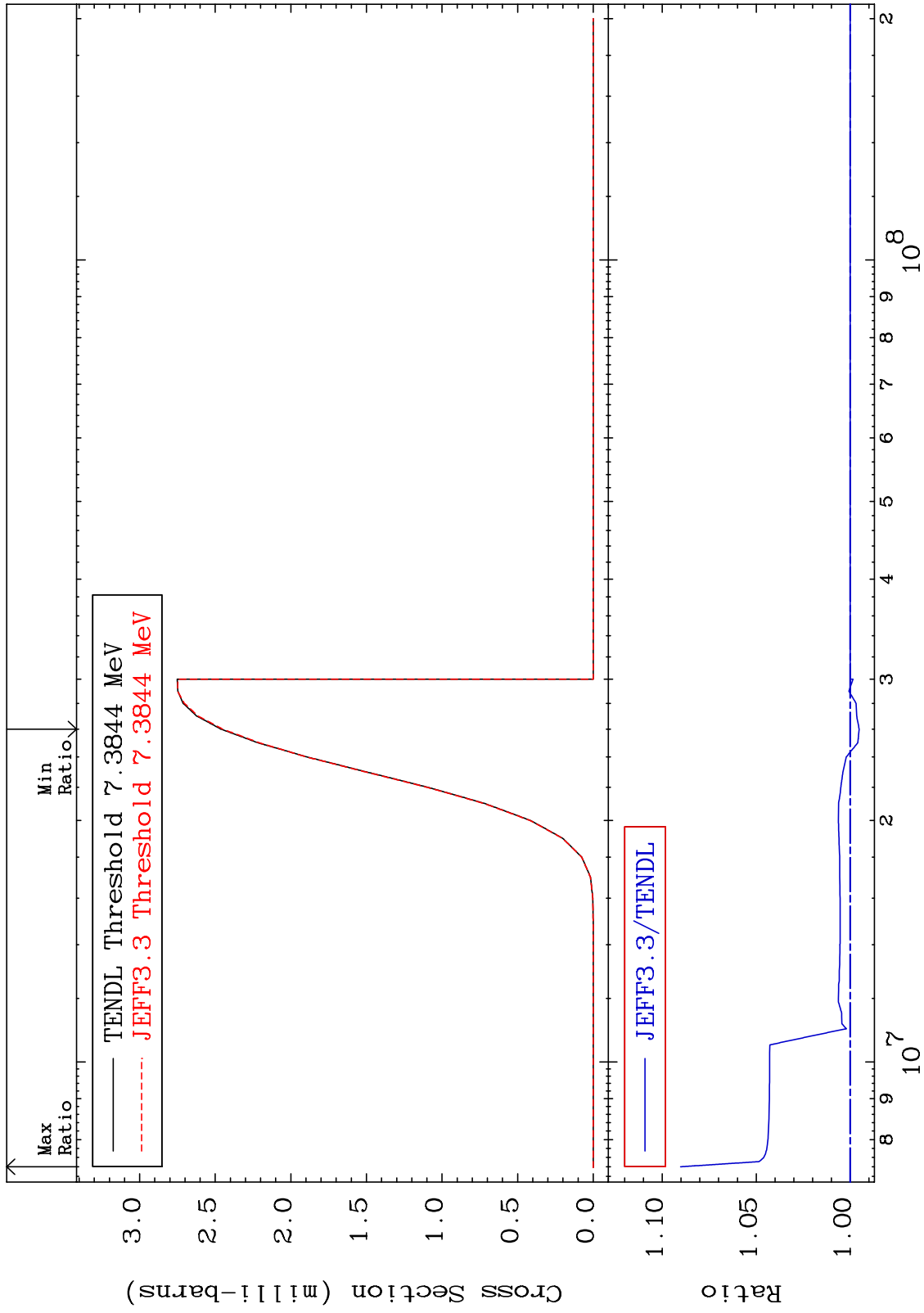
MAT 7849

(n, t): 77-Ir-196g

78-Pt-198

Radionuclide Production Cross Section

-0.477 To 9.023 %



93

Incident Energy (eV)

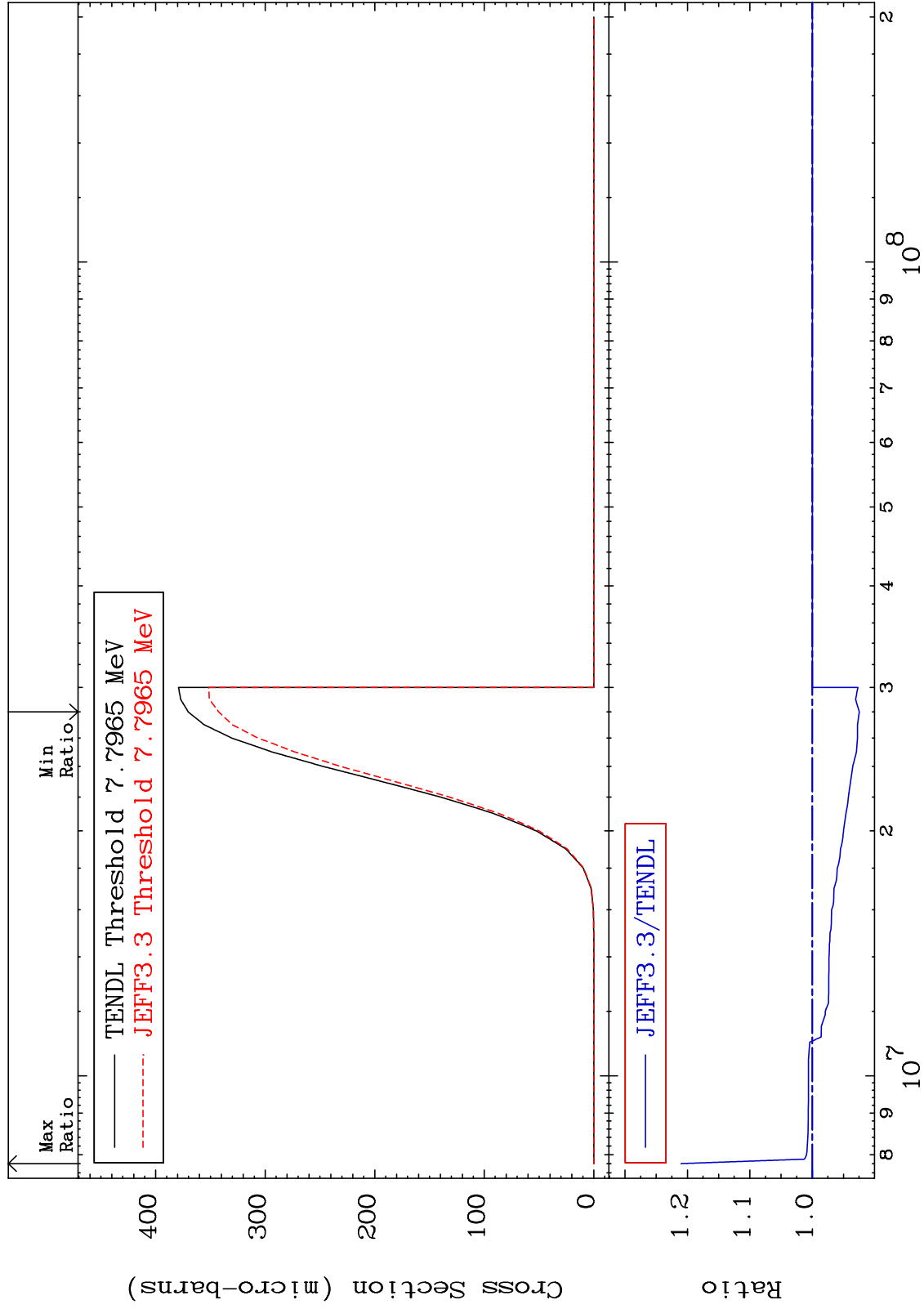
78-Pt-198

MAT 7849

(n, t) : 77-Ir-196m4

78-Pt-198

Radionuclide Production Cross Section -7.529 To 21.02 %

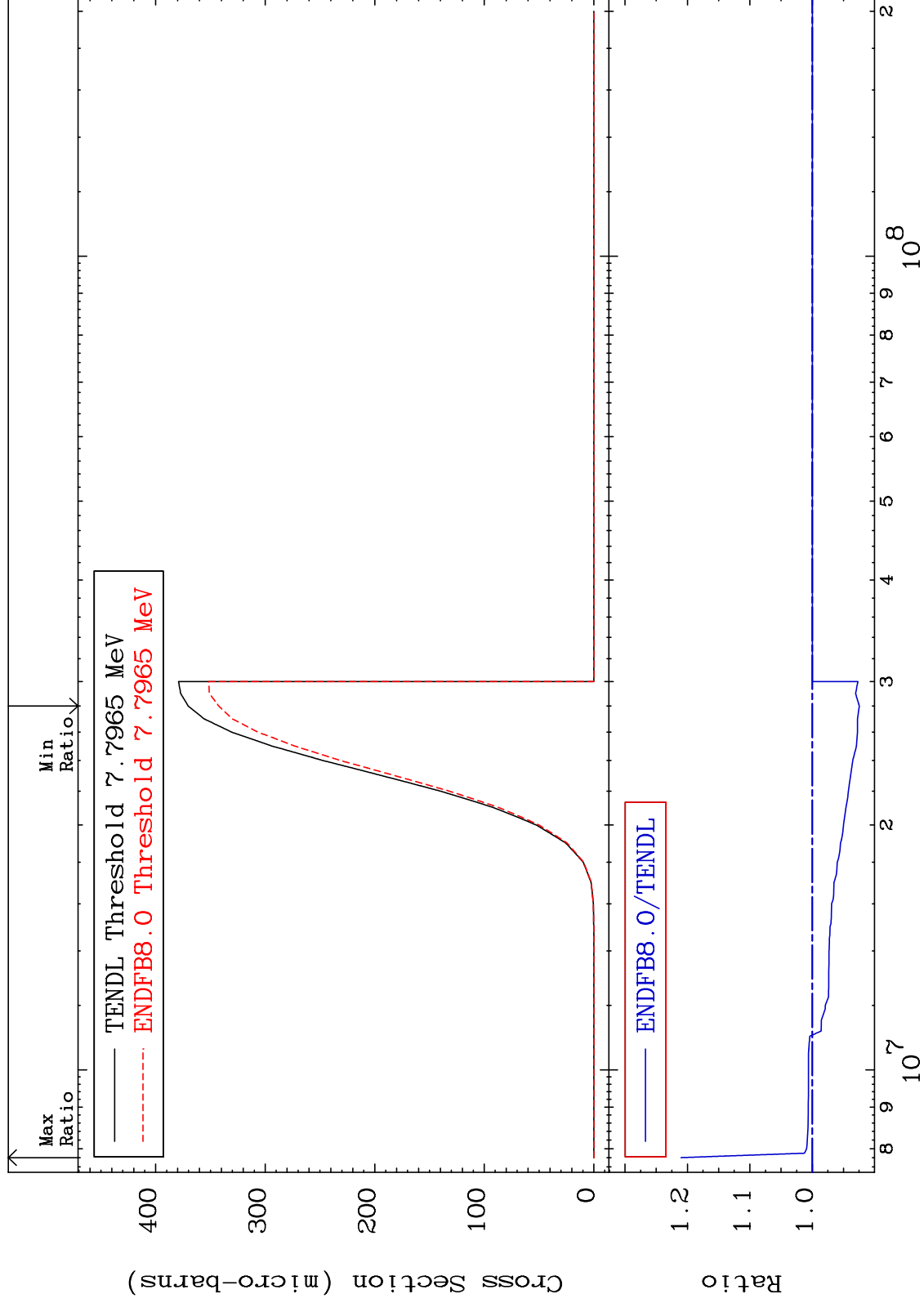


MAT 7849

(n, t) : 77-Ir-196m4

78-Pt-198

Radionuclide Production Cross Section -7.529 To 21.02 %



95

Incident Energy (eV)

78-Pt-198