

Program Complot  
(Version 2021-1)

by

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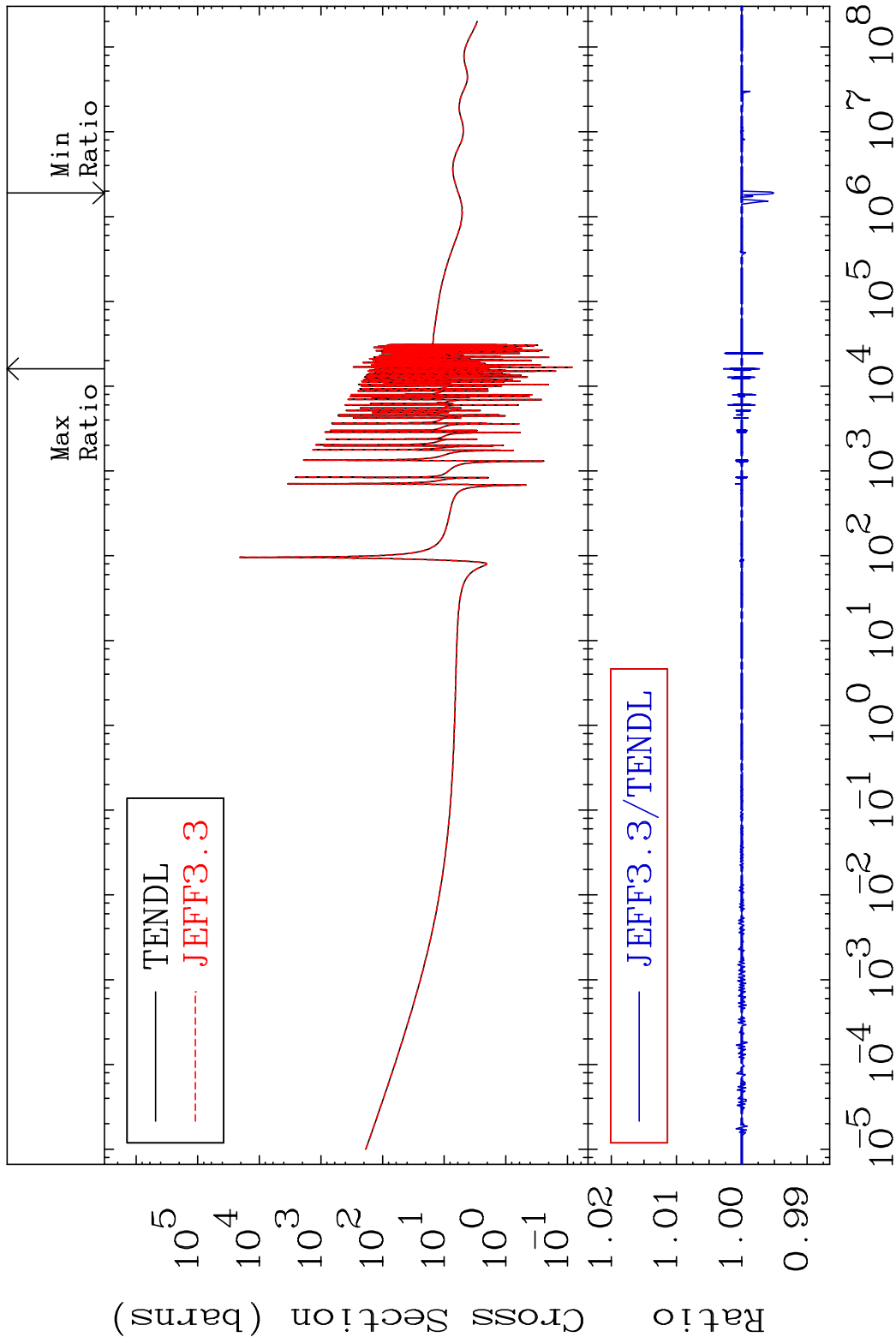
Press Mouse Button to Start

MAT 7849

Total

78-Pt-198

Cross Section -0.491 To 0.280 %



1

Incident Energy (eV)

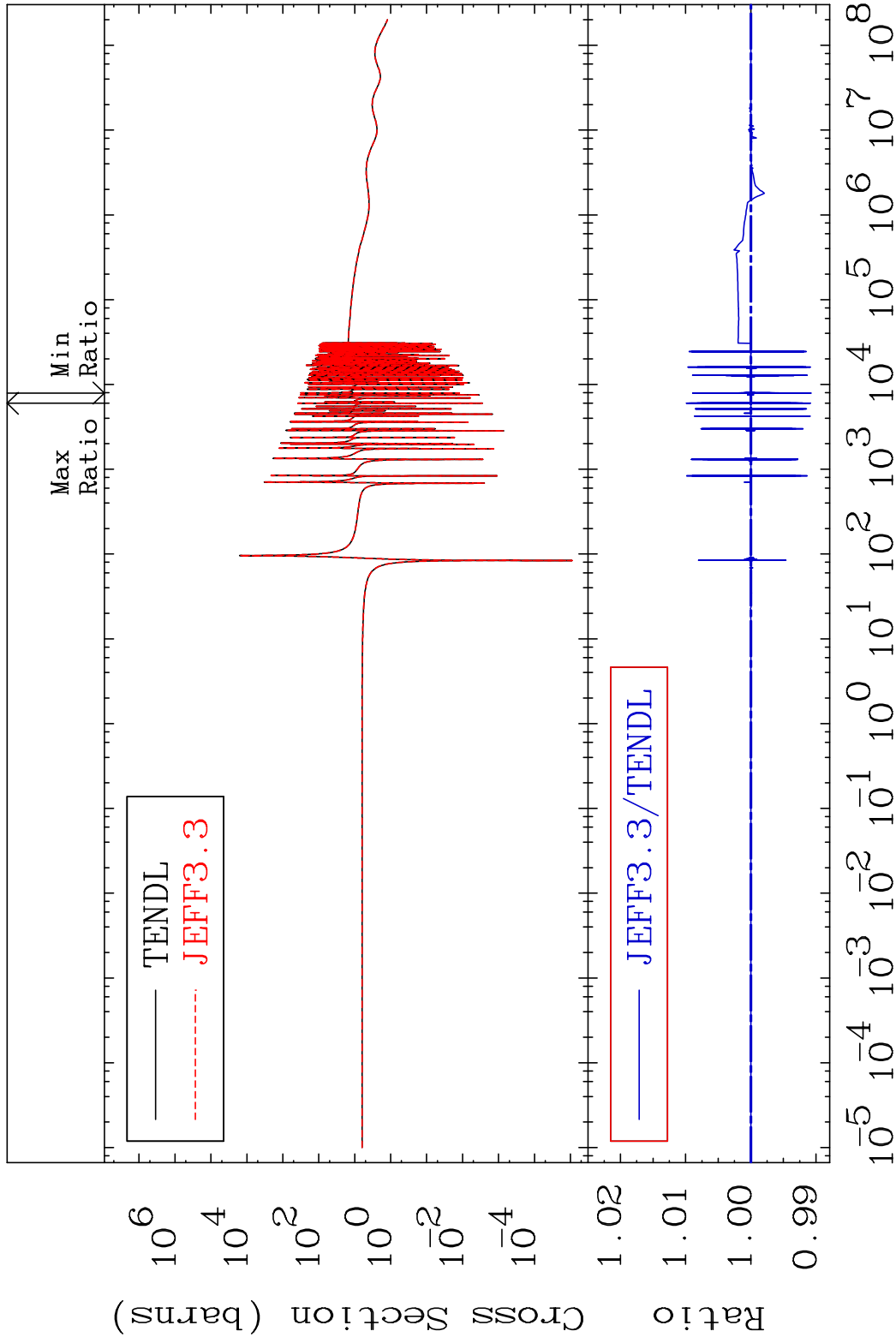
78-Pt-198

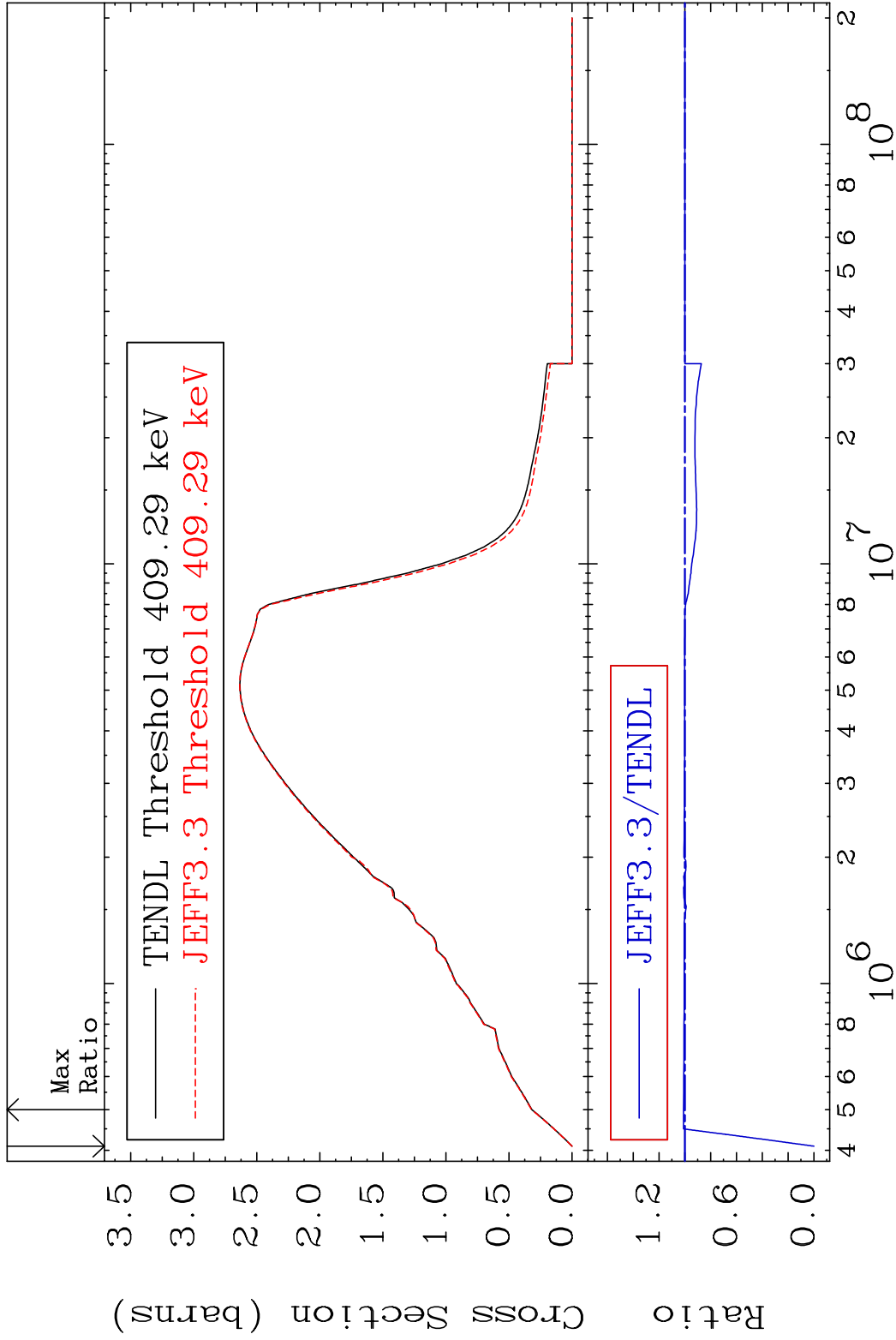
MAT 7849

Elastic

78-Pt-198

Cross Section -0.9222 To 0.988 %



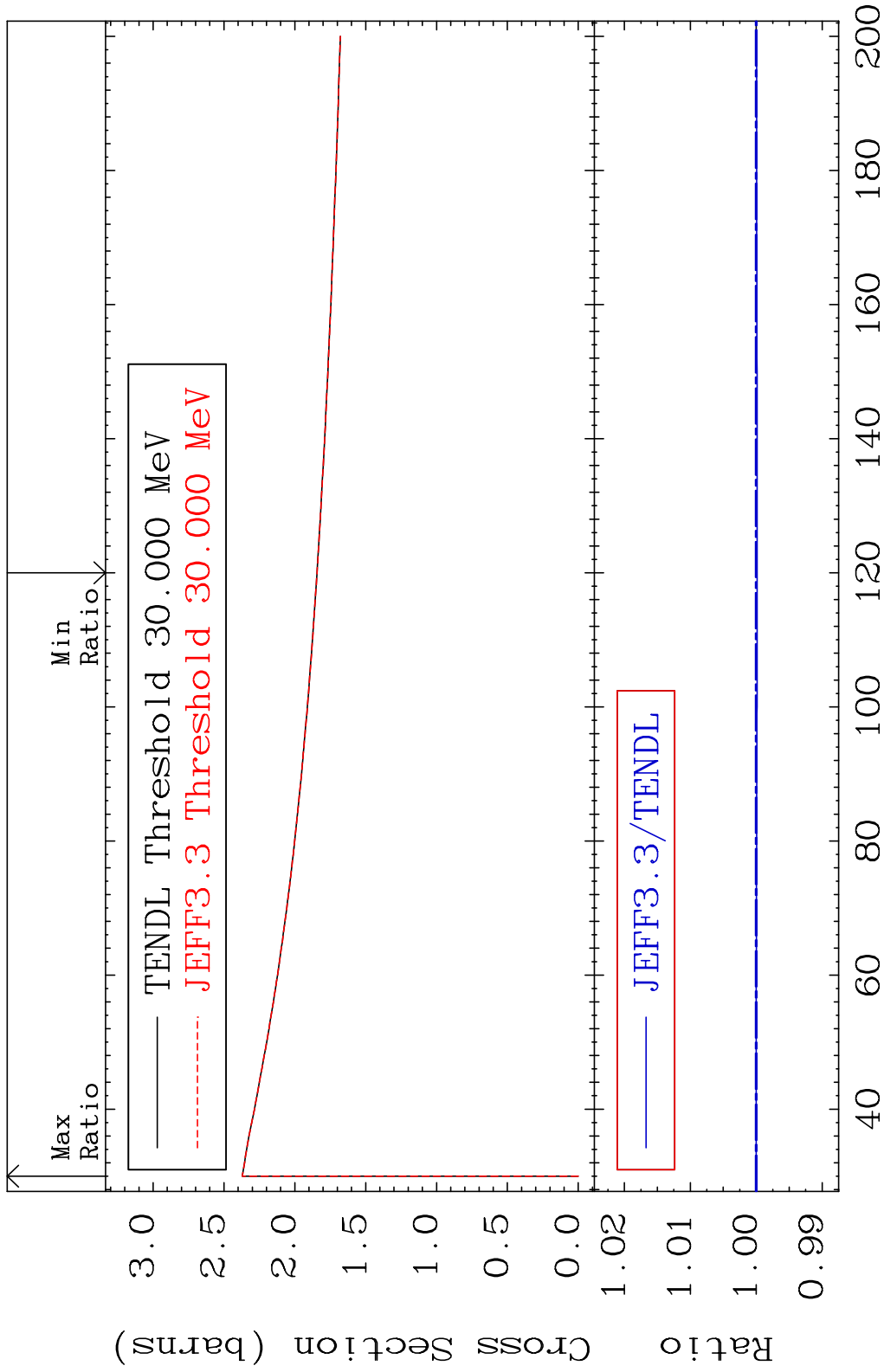


MAT 7849

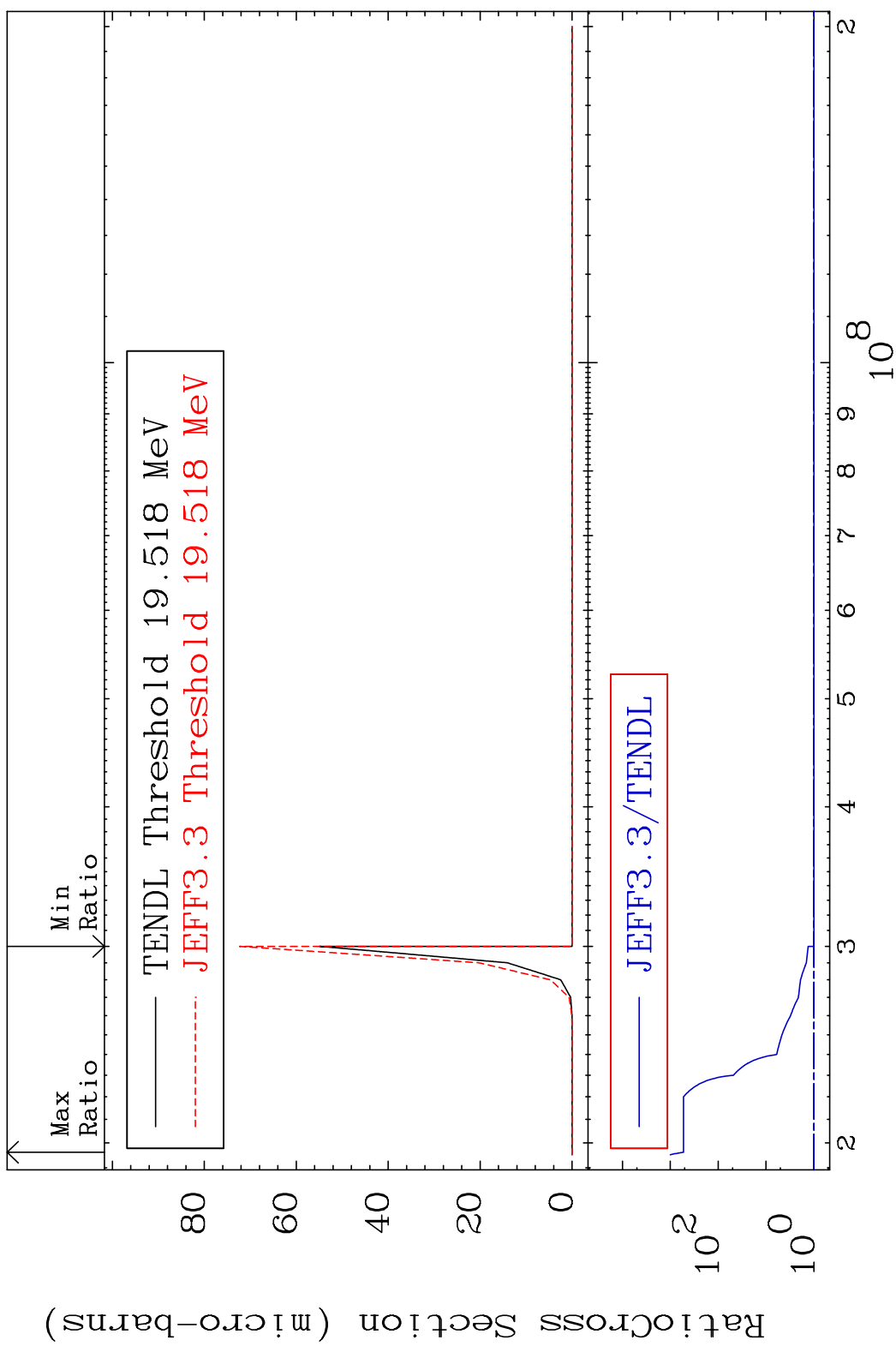
(n, remainder)

78-Pt-198

Cross Section -0.015 To 0.000 %

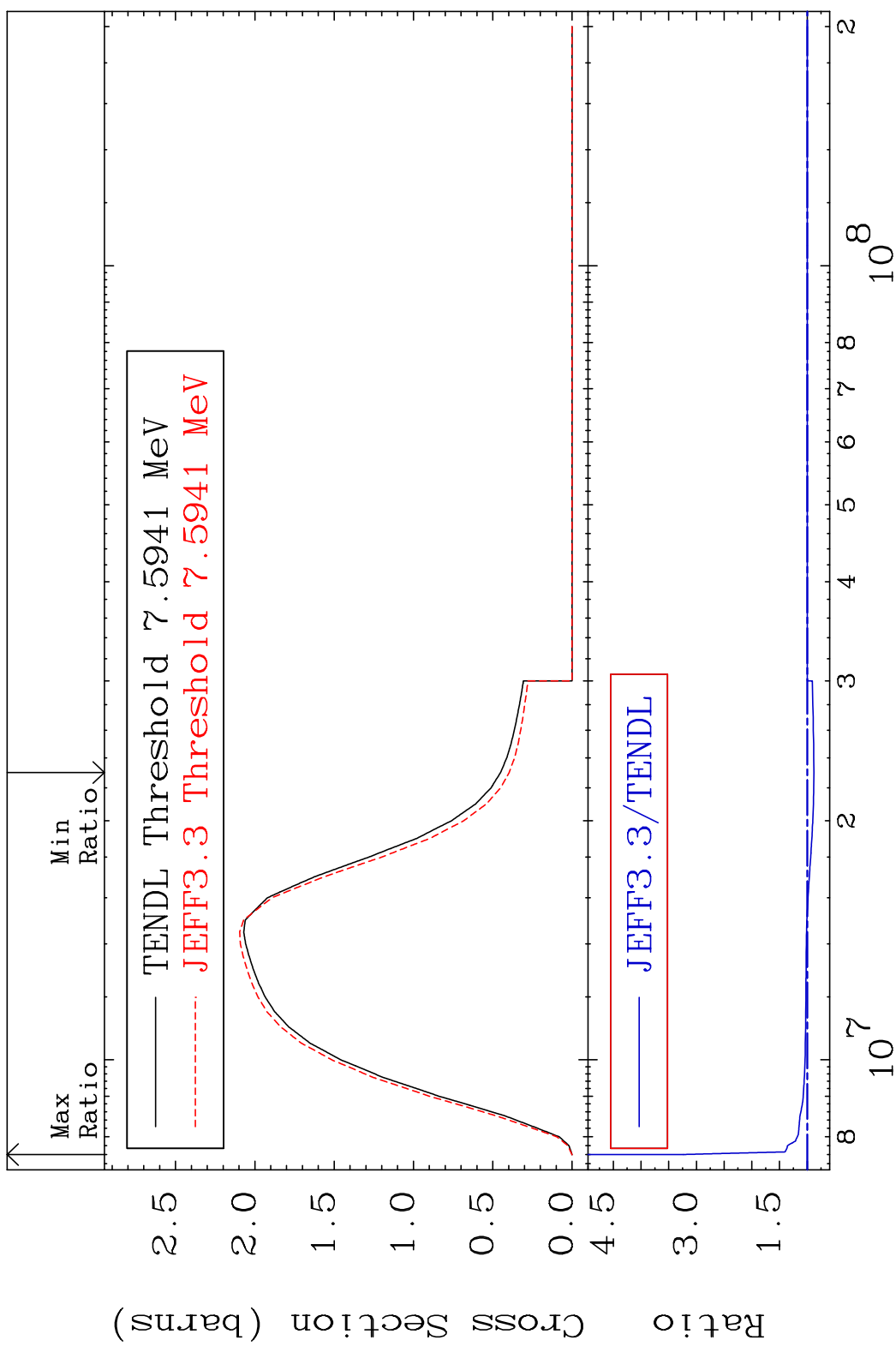


MAT 7849 (n,2n) d 78-Pt-198  
 Cross Section 0.000 To 9999. %



5 Incident Energy (eV) 78-Pt-198

MAT 7849 (n,2n) 78-Pt-198  
 Cross Section -12.04 To 223.4 %



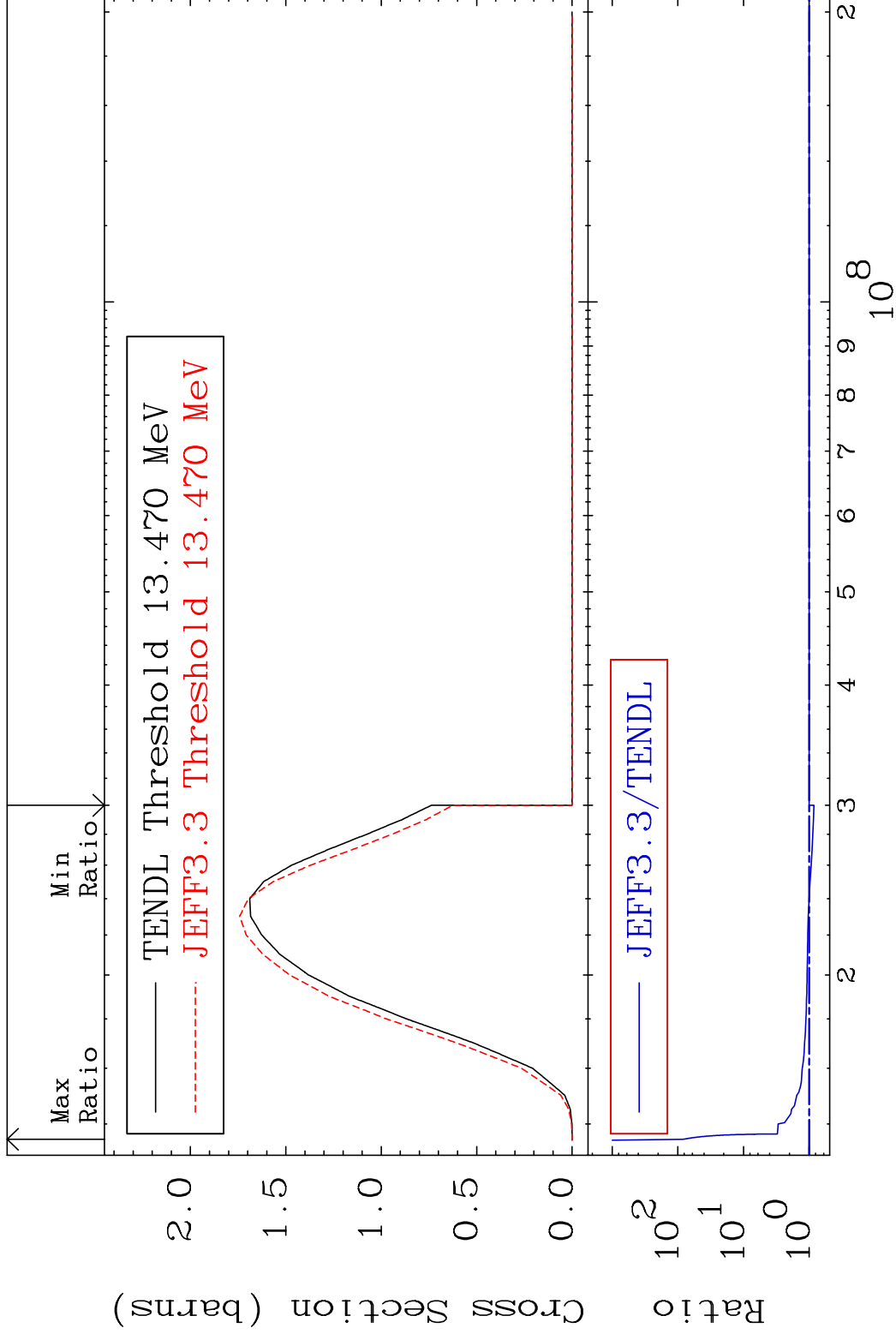
6 Incident Energy (eV) 78-Pt-198

MAT 7849

(n,3n)

78-Pt-198

Cross Section -15.30 To 8113. %



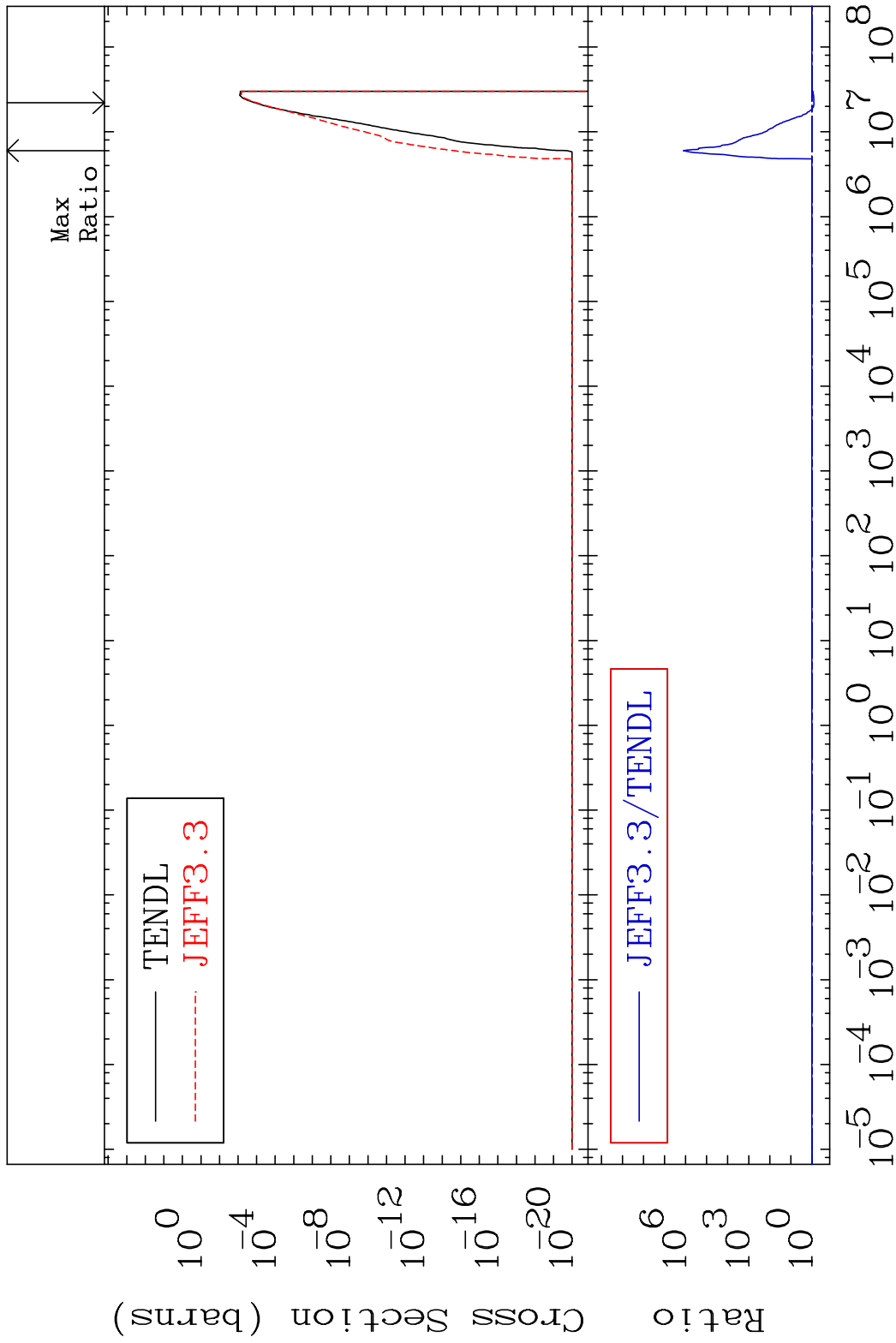


MAT 7849

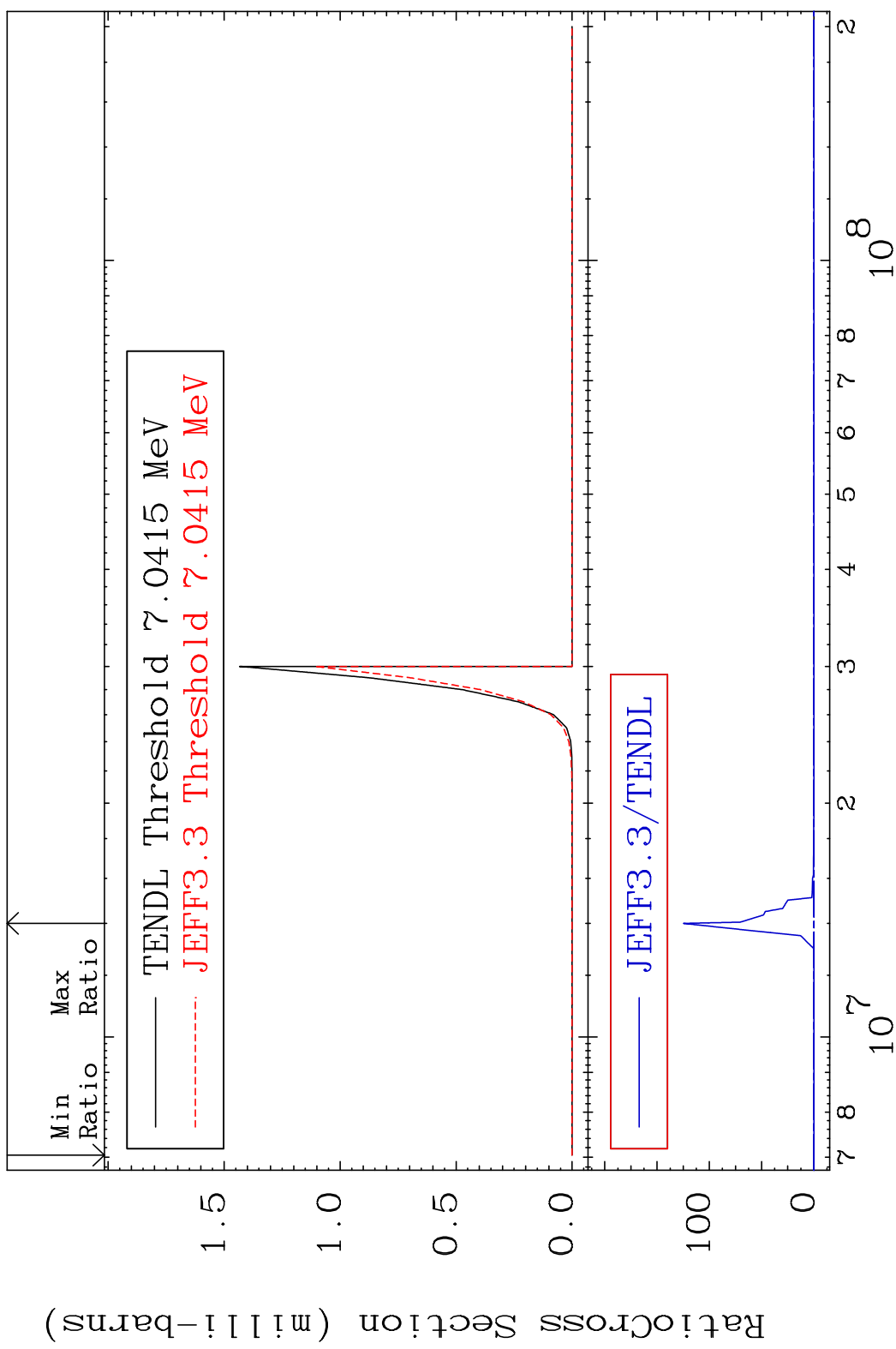
(n, n')  $\alpha$

78-Pt-198

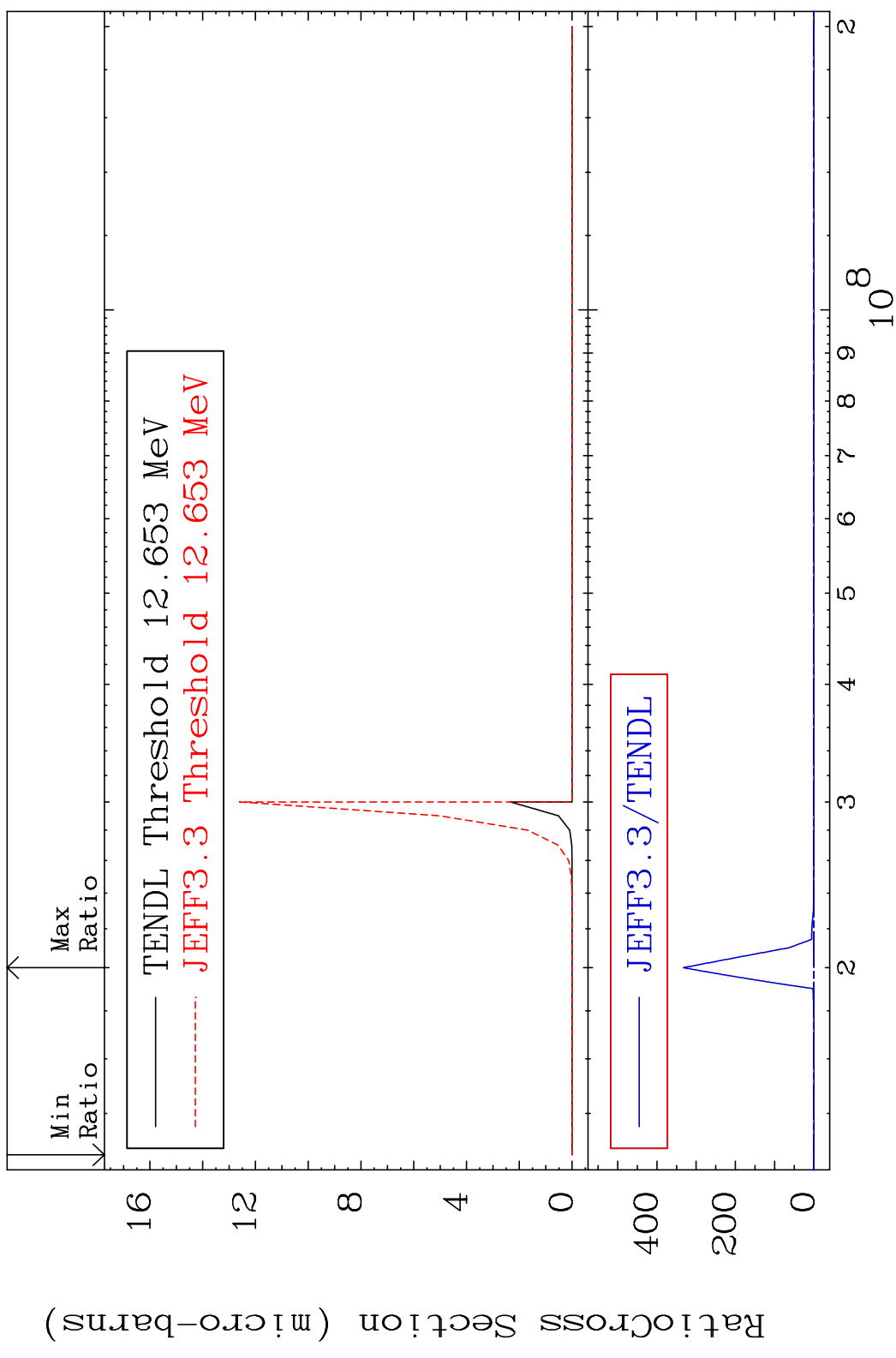
Cross Section -19.88 To 9999. %



MAT 7849 (n,2n)  $\alpha$  78-Pt-198  
 Cross Section -100.0 To 9999. %



MAT 7849 (n,3n)  $\alpha$  78-Pt-198  
 Cross Section -100.0 To 9999. %



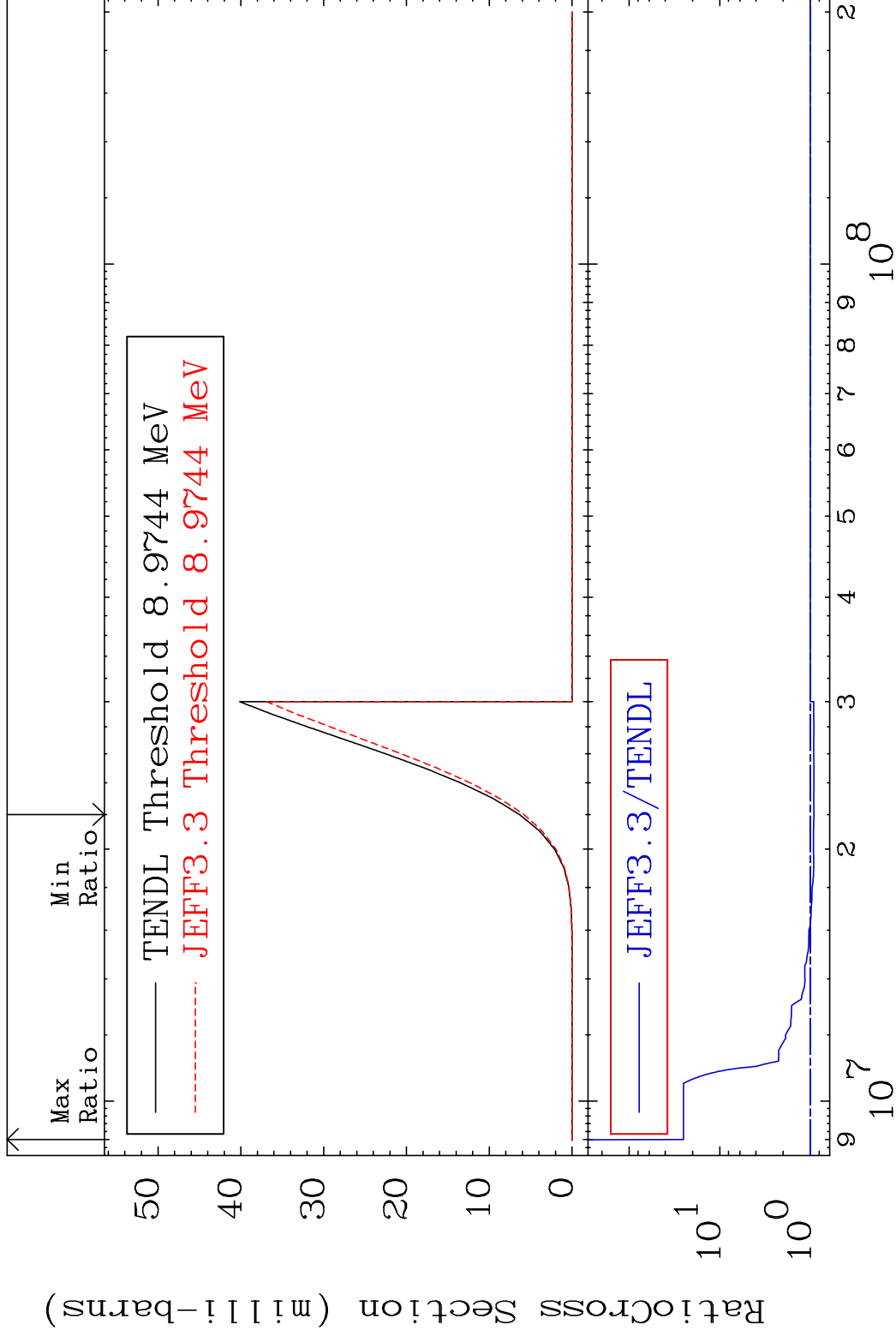
10 Incident Energy (eV) 78-Pt-198

MAT 7849

(n, n') p

78-Pt-198

Cross Section -8.605 To 2419. %

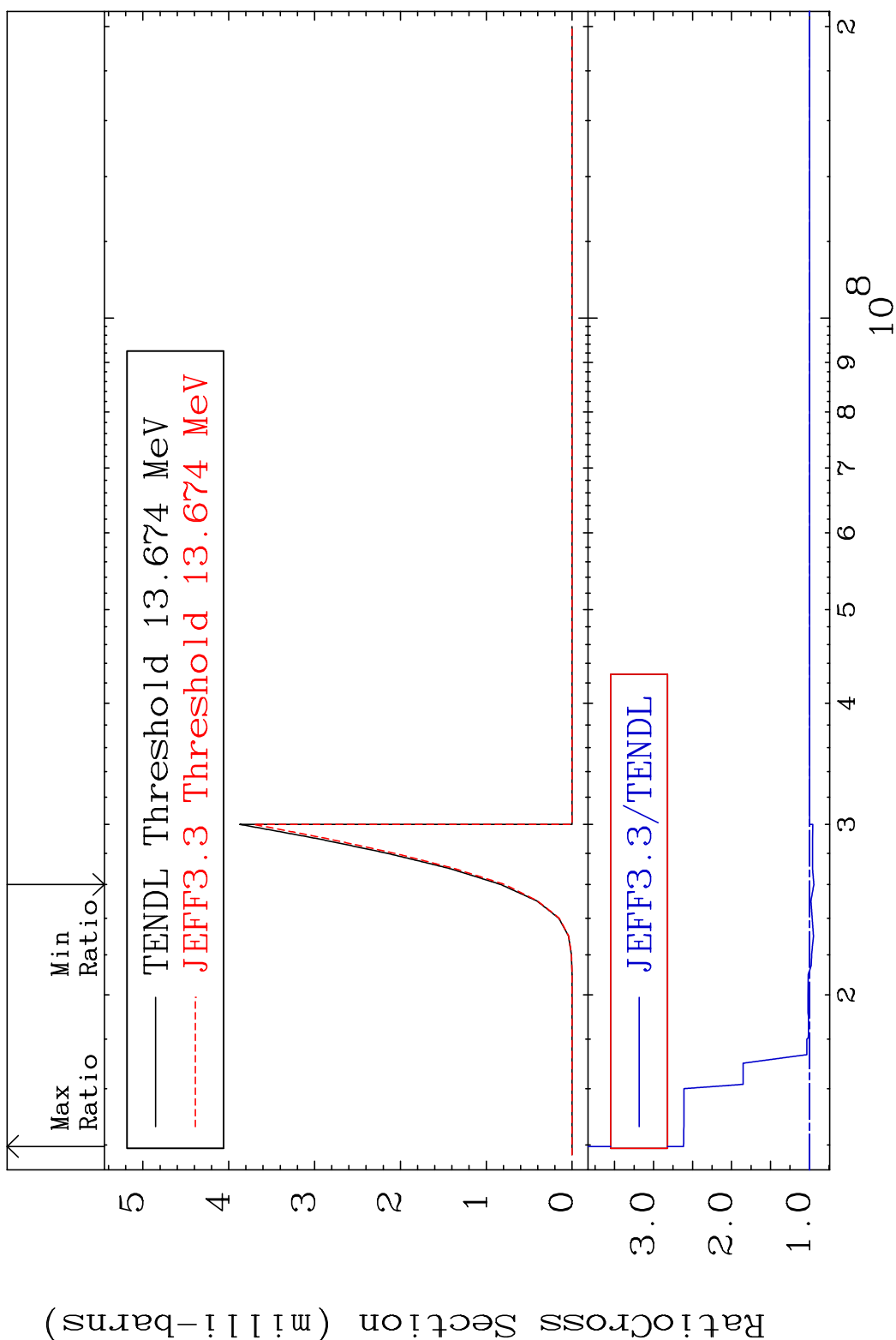


11

Incident Energy (eV)

78-Pt-198

MAT 7849 (n, n') d 78-Pt-198  
 Cross Section -5.647 To 161.6 %

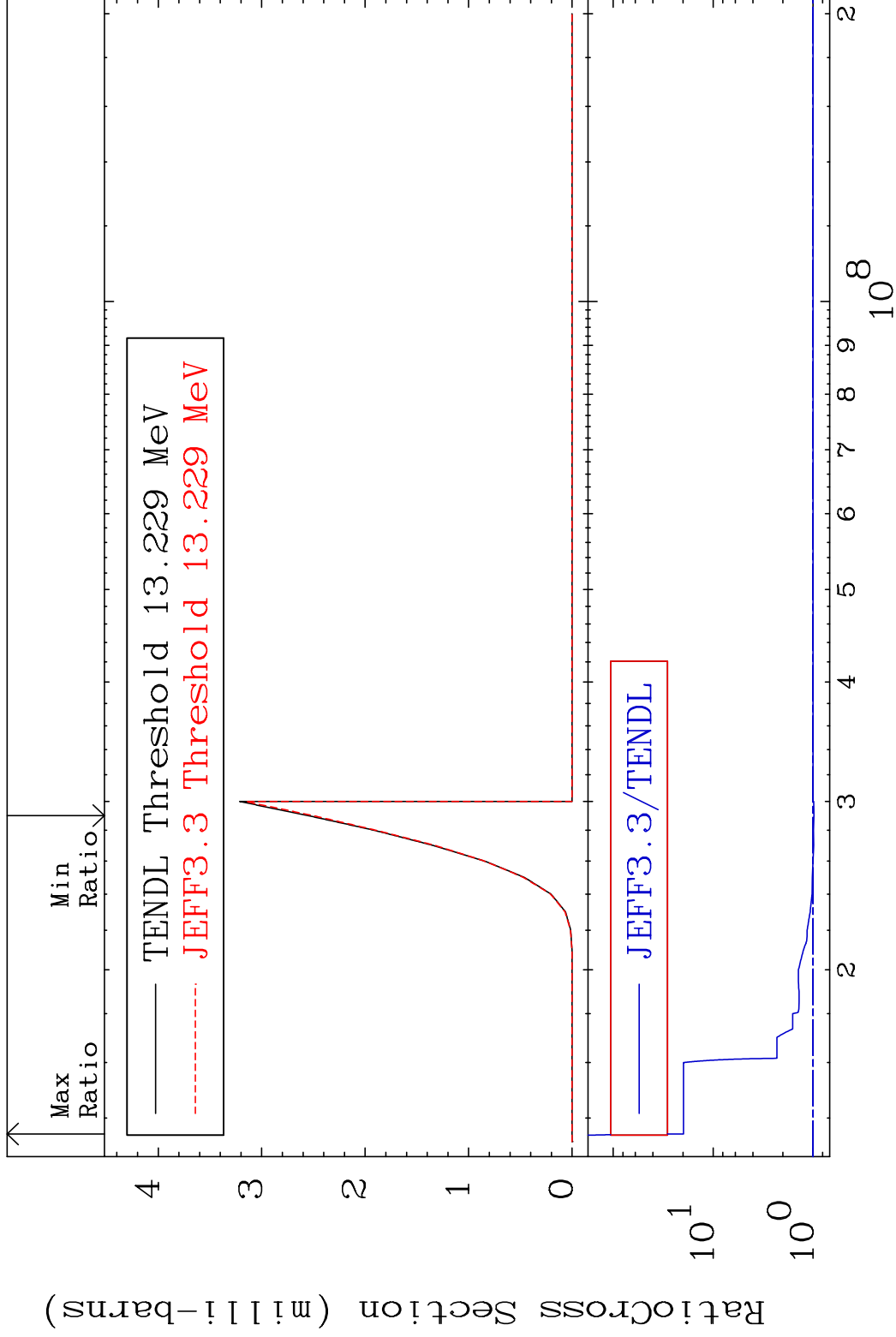


MAT 7849

(n, n') t

78-Pt-198

Cross Section -1.937 To 1880. %



13

Incident Energy (eV)

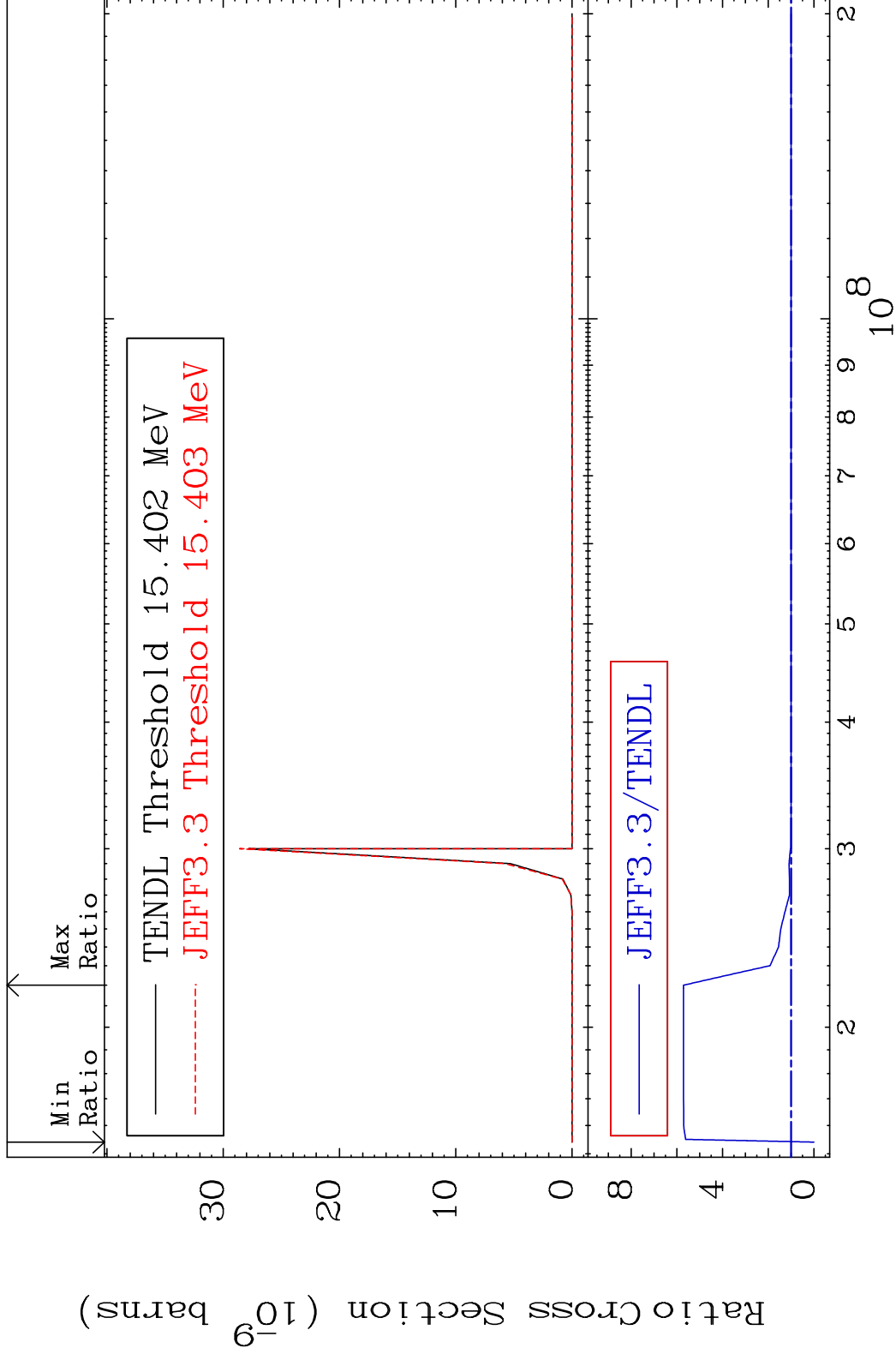
78-Pt-198

MAT 7849

(n,n') He-3

78-Pt-198

Cross Section -100.0 To 471.1 %



14

Incident Energy (eV)

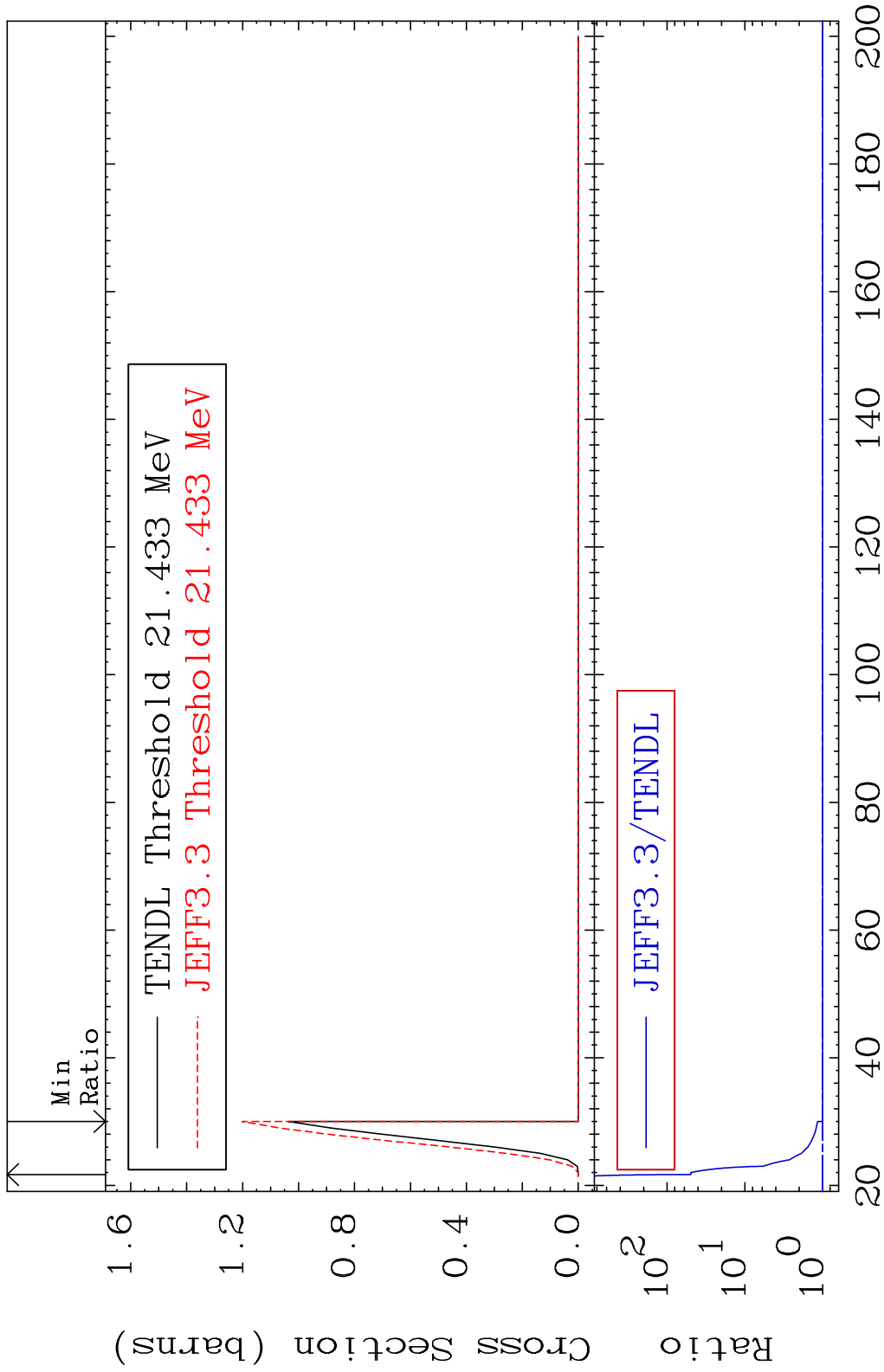
78-Pt-198

MAT 7849

(n,4n)

78-Pt-198

Cross Section 0.000 To 4854. %



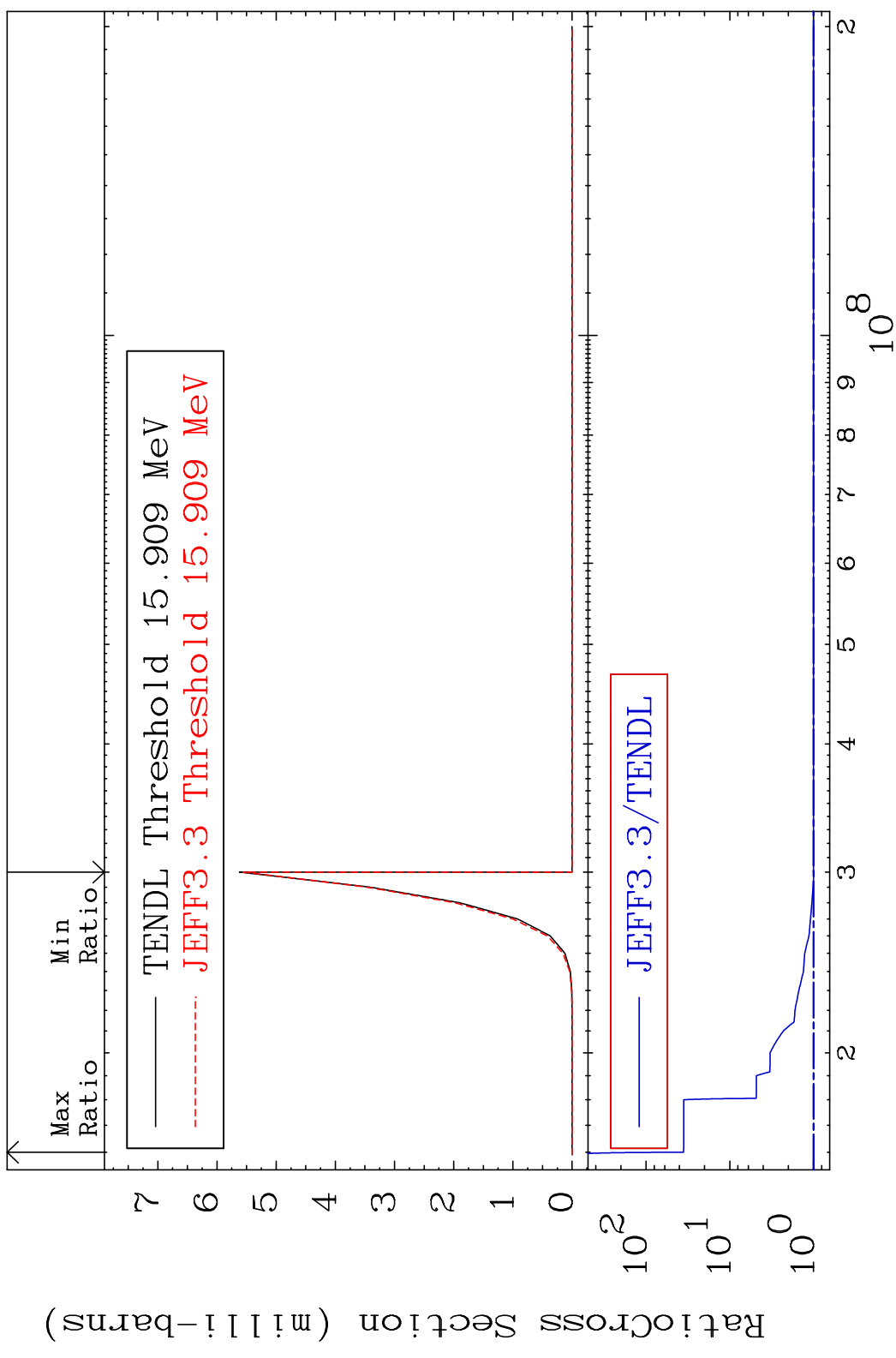
15

Incident Energy (MeV)

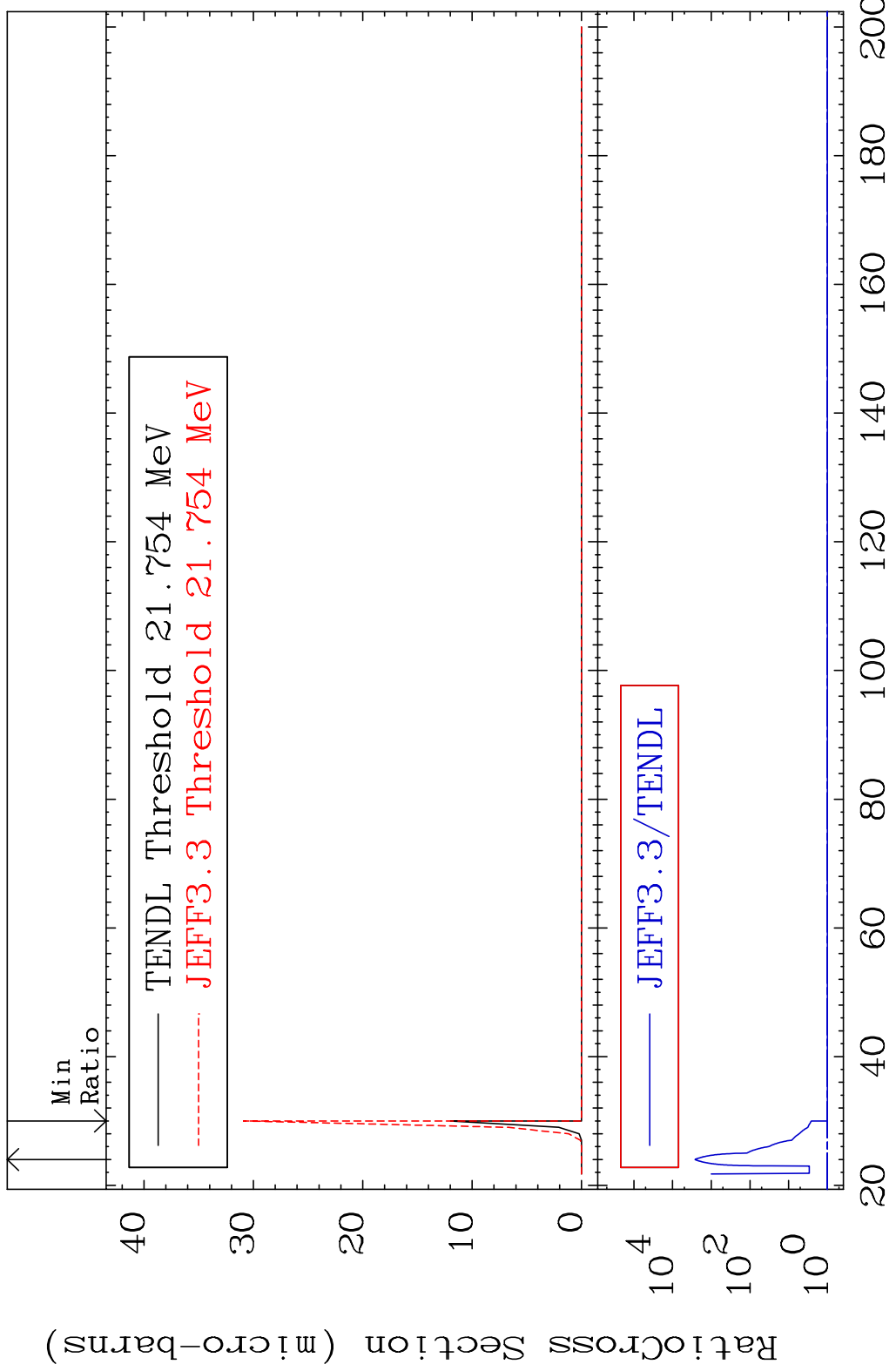
78-Pt-198



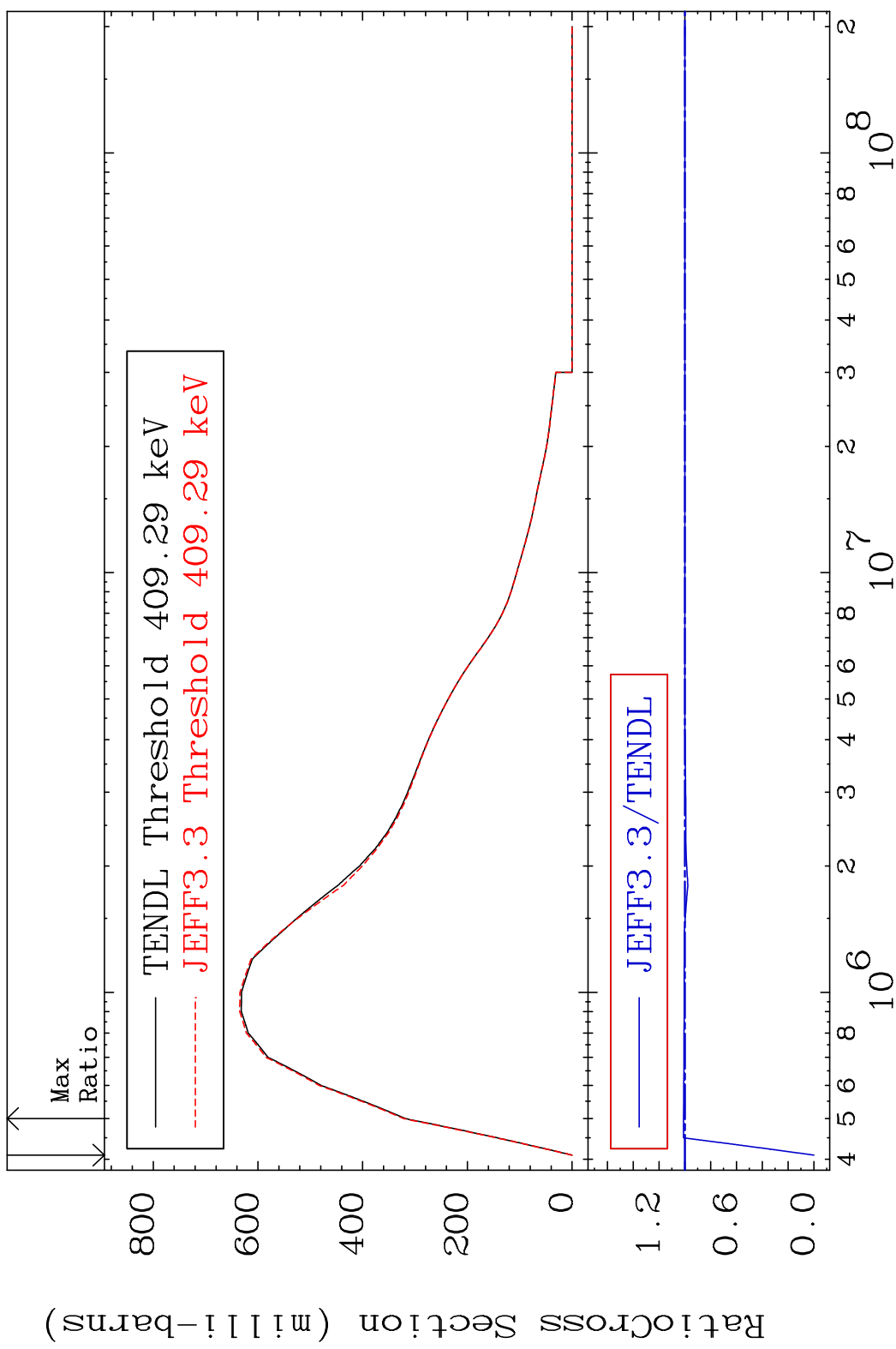
MAT 7849 (n,2n) p 78-Pt-198  
 Cross Section -1.024 To 3478. %



MAT 7849 (n,3n) p 78-Pt-198  
 Cross Section 0.000 To 9999. %

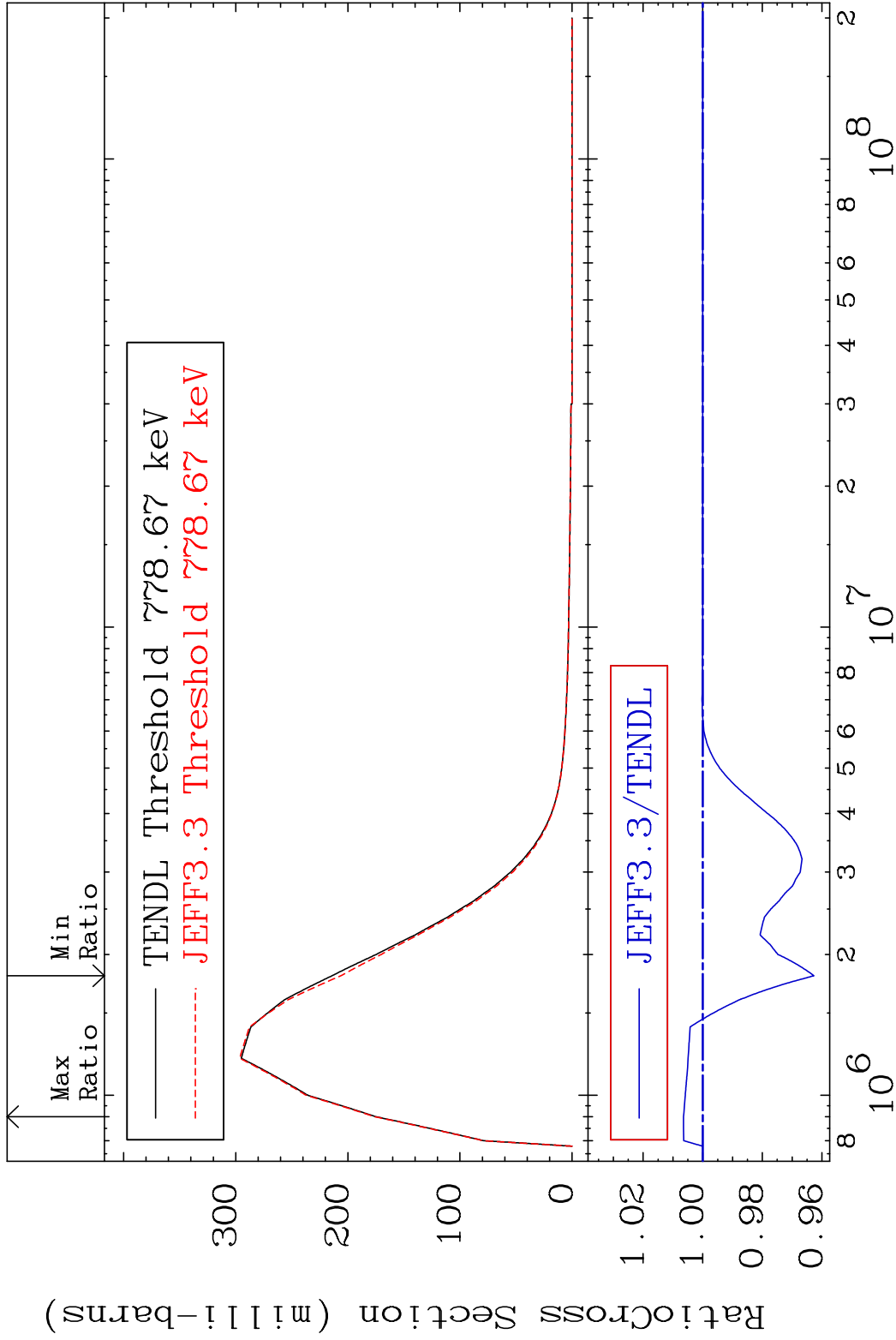


MAT 7849 MT= 51 (n, n') Level 78-Pt-198  
 Cross Section -100.0 To 1.030 %



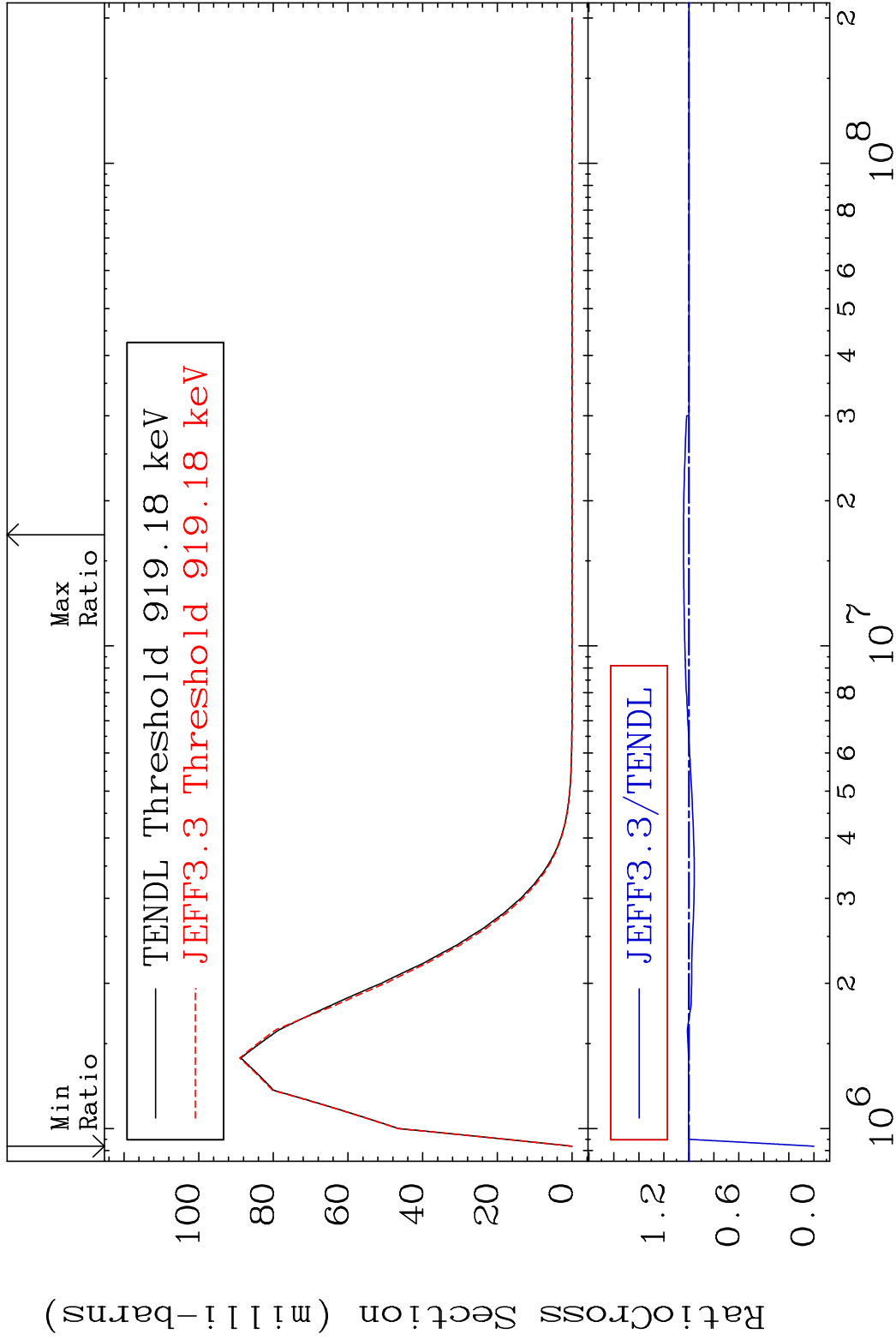
18 Incident Energy (eV) 78-Pt-198

MAT 7849 MT= 52 (n, n') Level 78-Pt-198  
 Cross Section -3.729 To 0.647 %



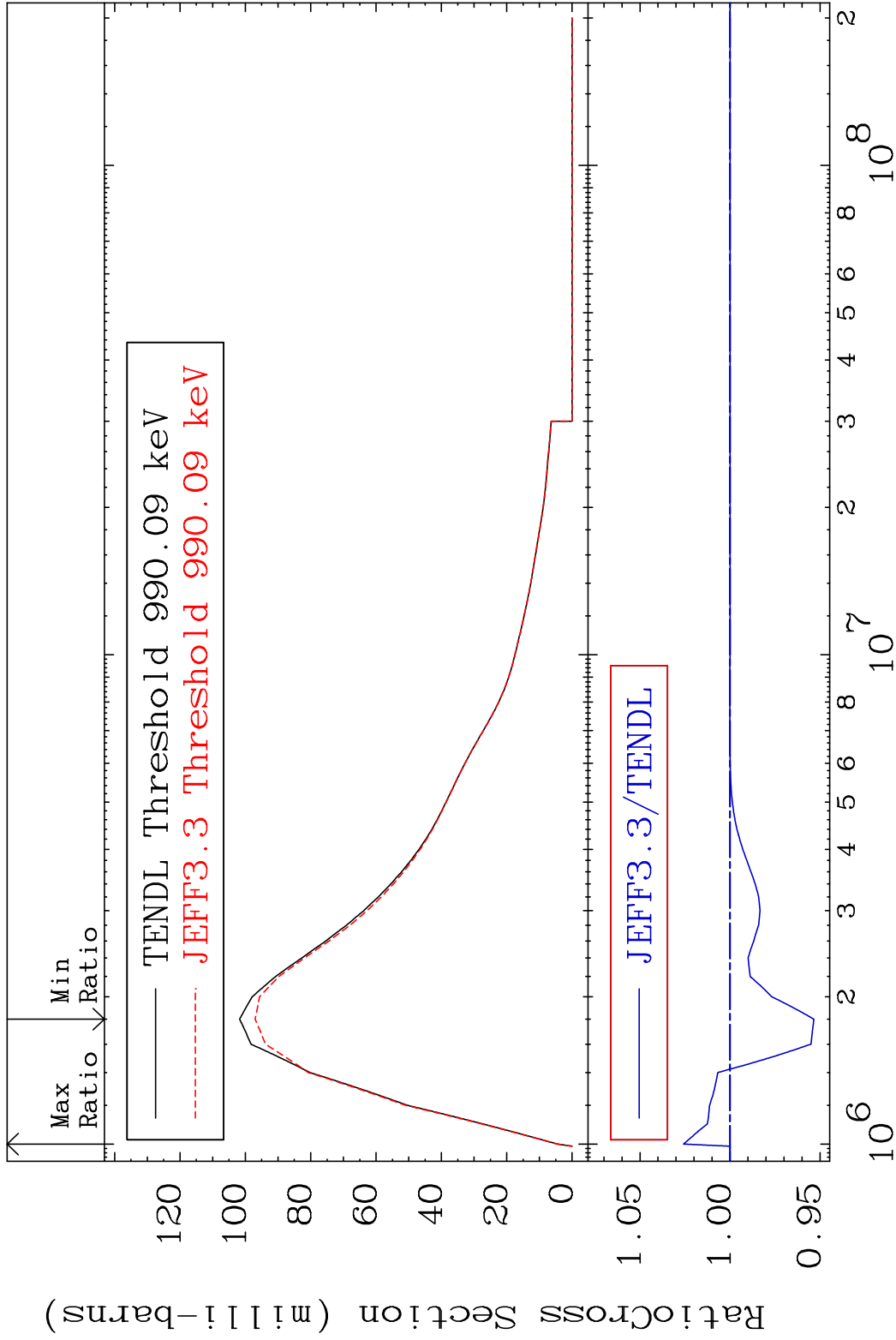
19 Incident Energy (eV) 78-Pt-198

MAT 7849 MT= 53 (n, n') Level 78-Pt-198  
Cross Section -100.0 To 4.336 %



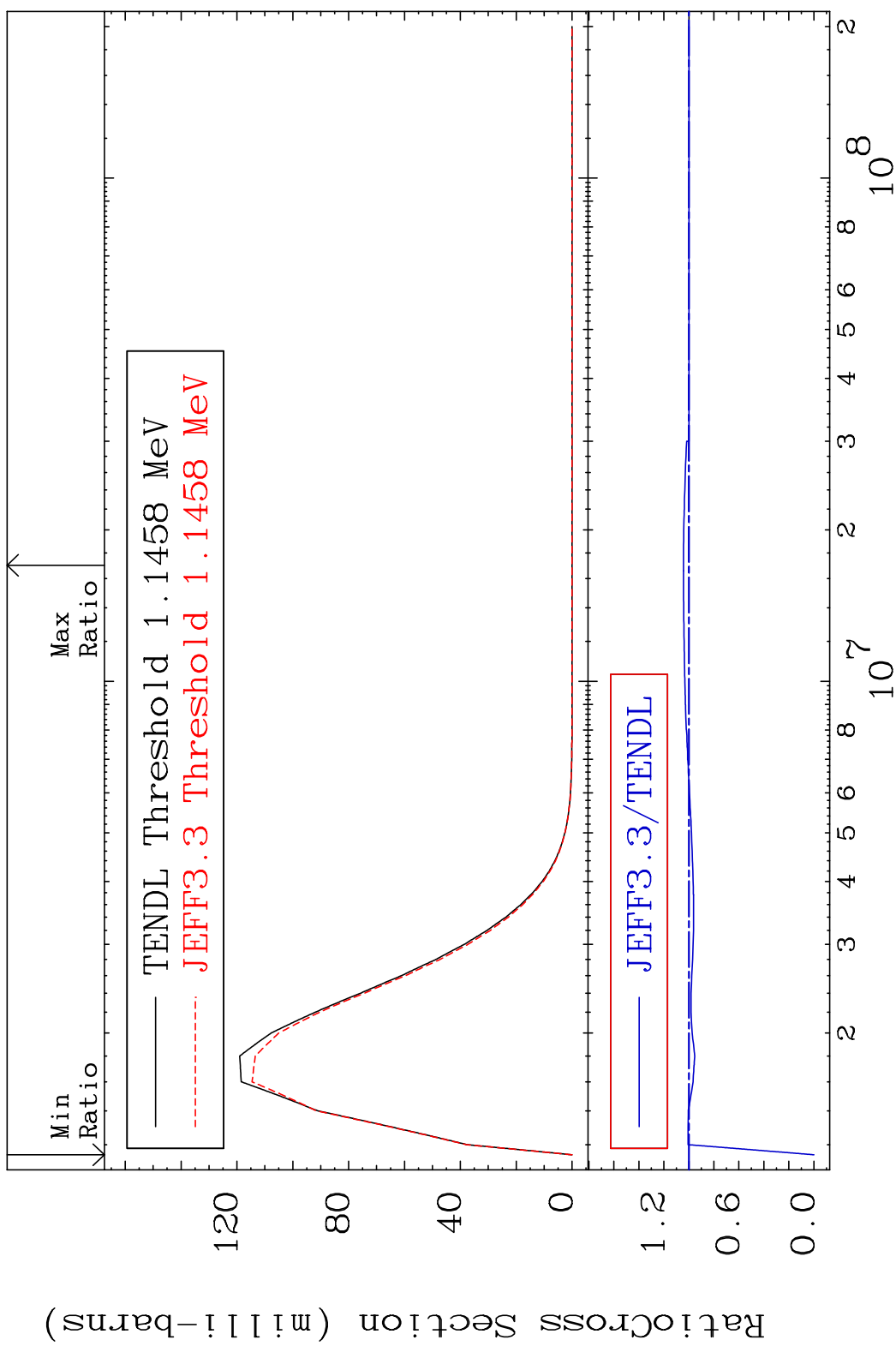
20 Incident Energy (eV) 78-Pt-198

MAT 7849 MT= 54 (n, n') Level 78-Pt-198  
 Cross Section -4.660 To 2.585 %

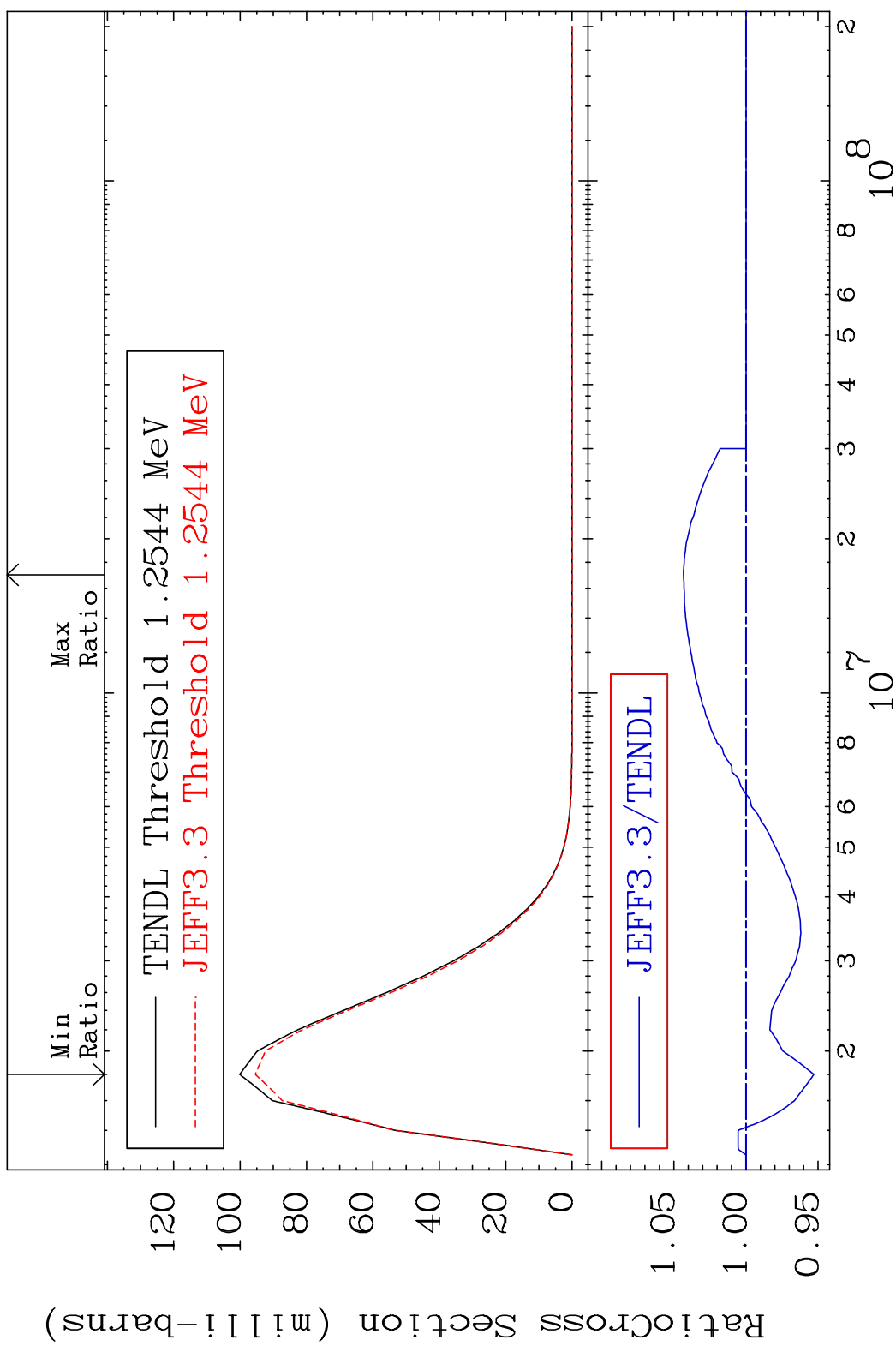


21 Incident Energy (eV) 78-Pt-198

MAT 7849 MT= 55 (n, n') Level 78-Pt-198  
 Cross Section -100.0 To 4.333 %

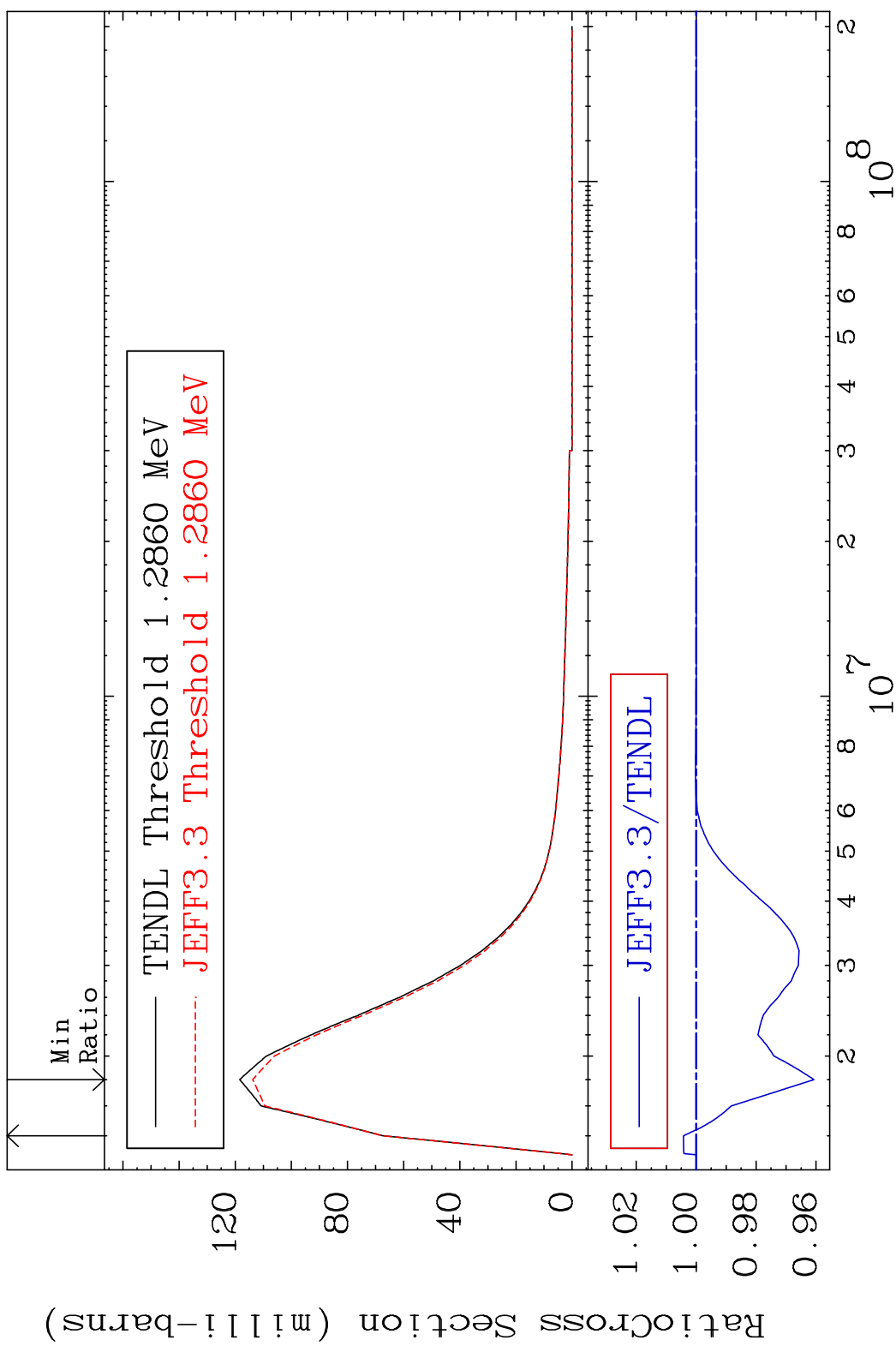


MAT 7849 MT= 56 (n, n') Level 78-Pt-198  
 Cross Section -4.707 To 4.333 %

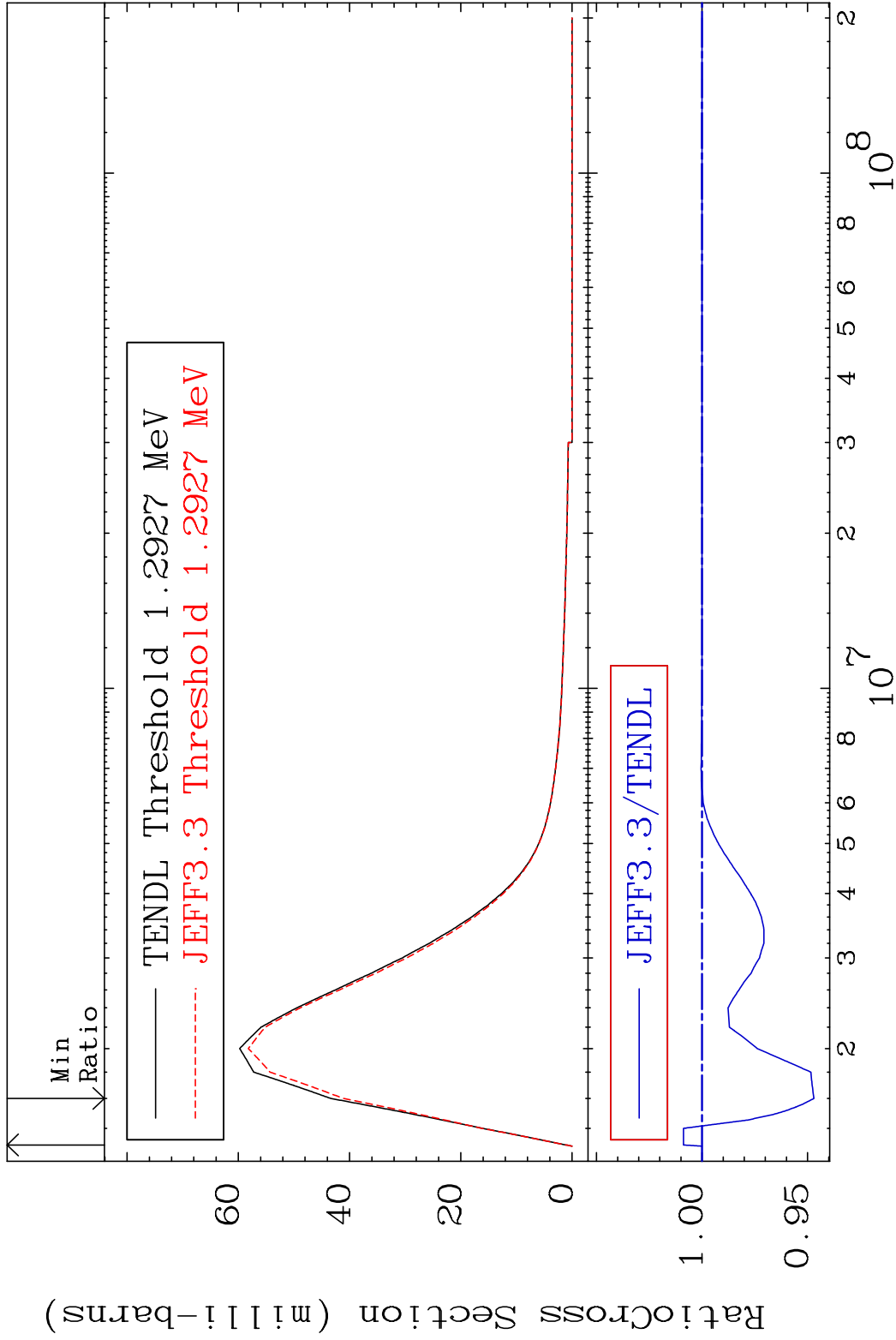




MAT 7849 MT= 57 (n, n') Level 78-Pt-198  
 Cross Section -3.929 To 0.426 %

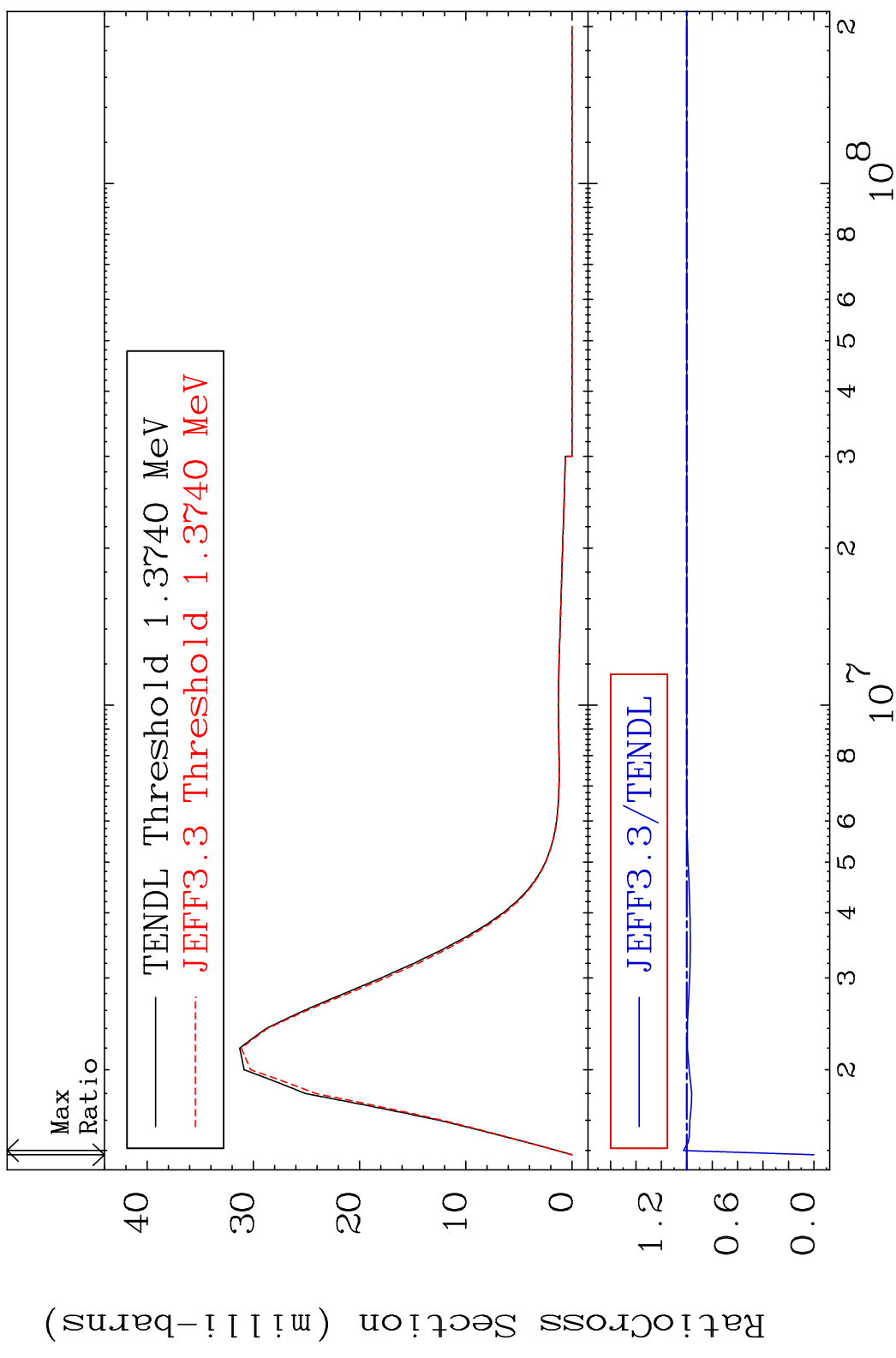


MAT 7849 MT= 58 (n, n') Level 78-Pt-198  
 Cross Section -5.298 To 0.881 %



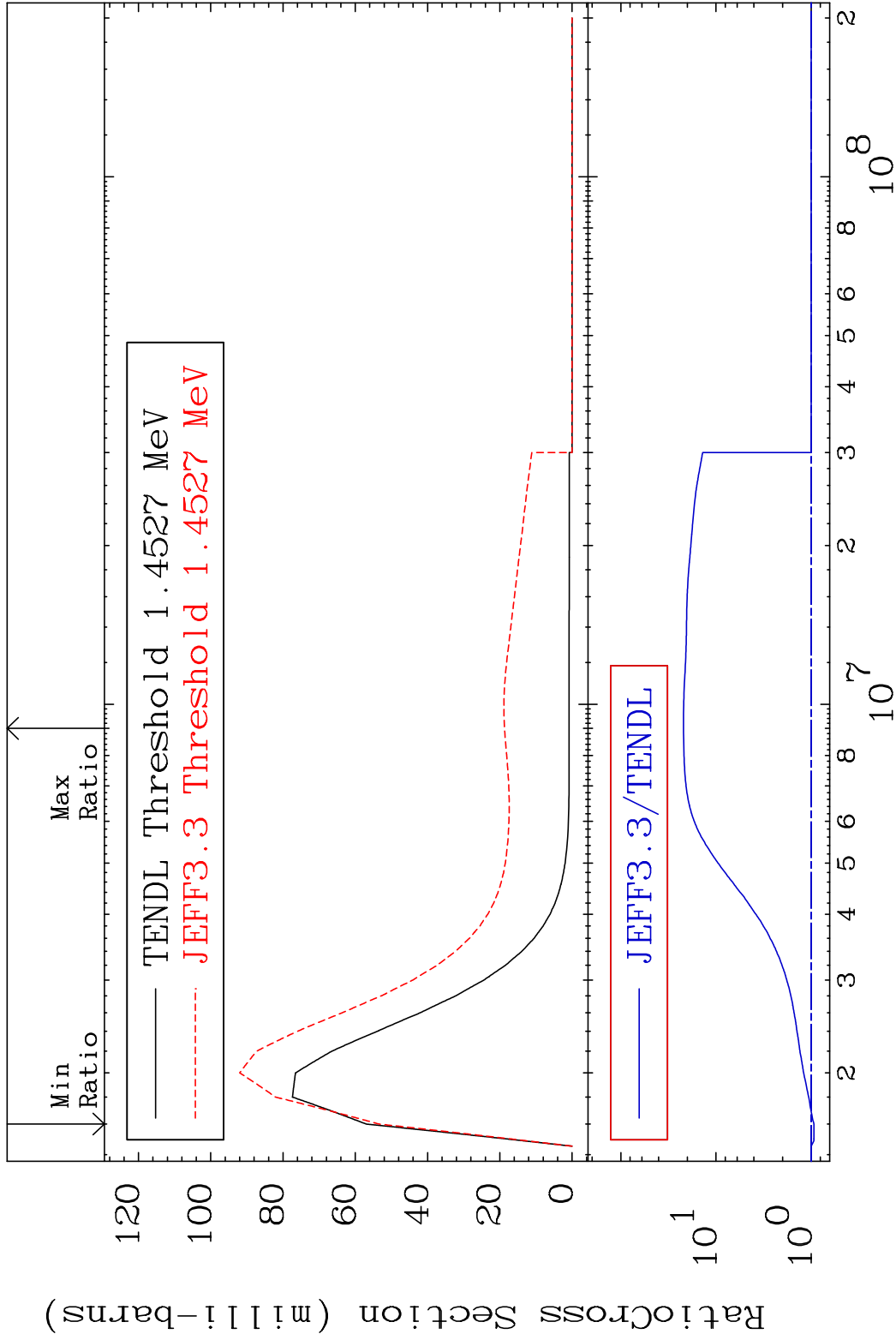
25 78-Pt-198

MAT 7849 MT= 59 (n, n') Level 78-Pt-198  
 Cross Section -100.0 To 2.617 %



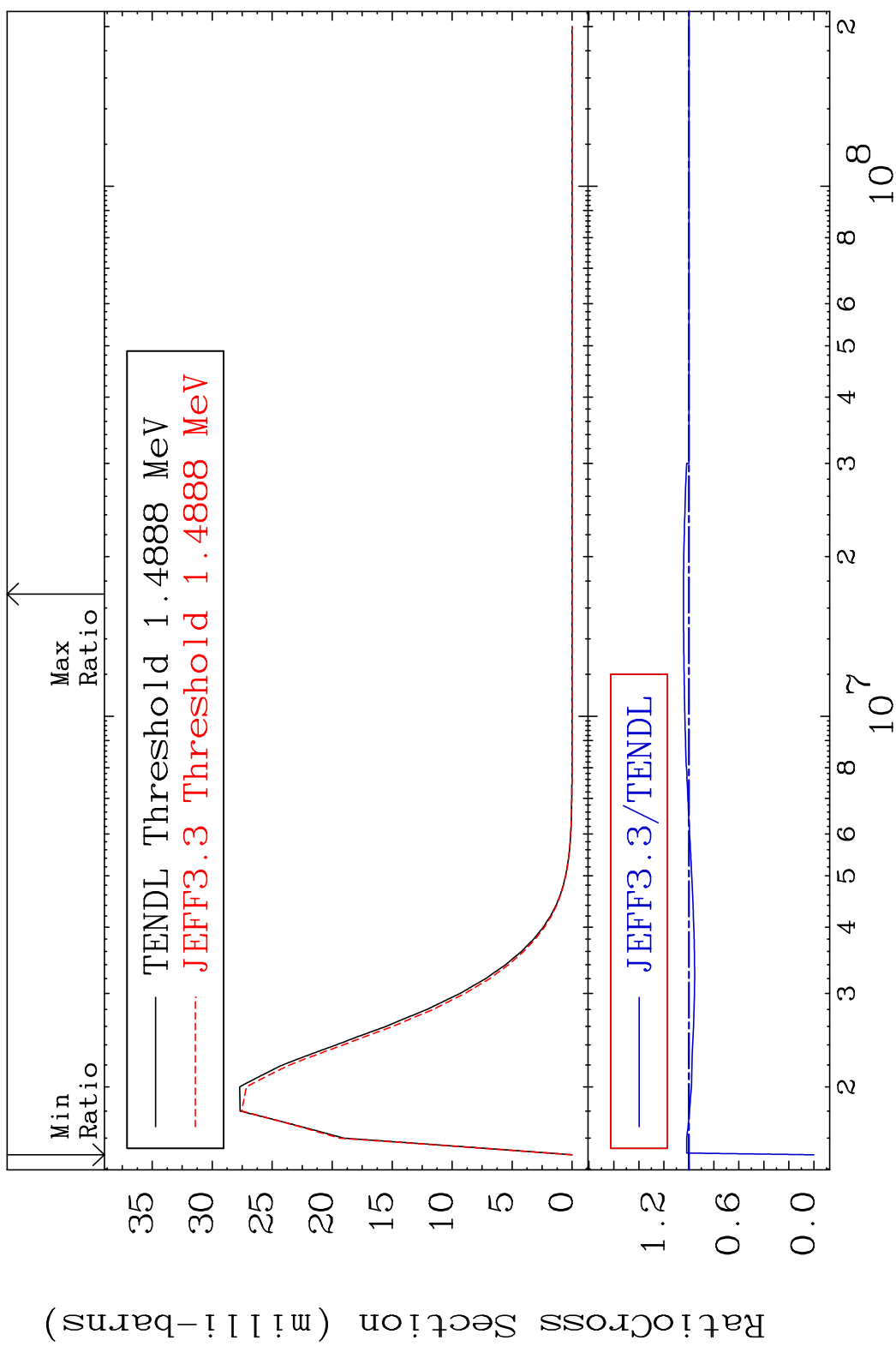
26 Incident Energy (eV) 78-Pt-198

MAT 7849 MT= 60 (n, n') Level 78-Pt-198  
 Cross Section -6.313 To 2097. %

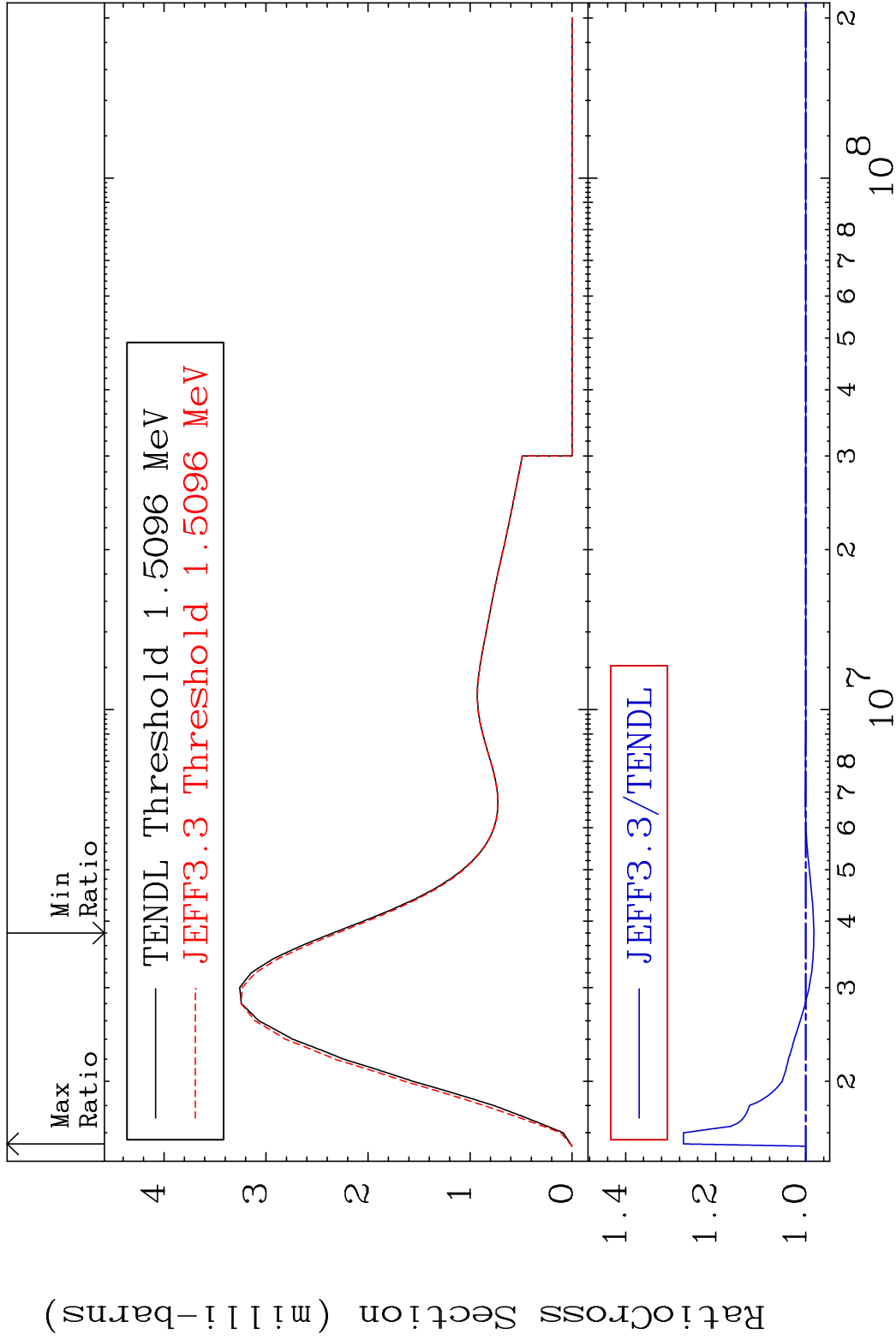


27 Incident Energy (eV) 78-Pt-198

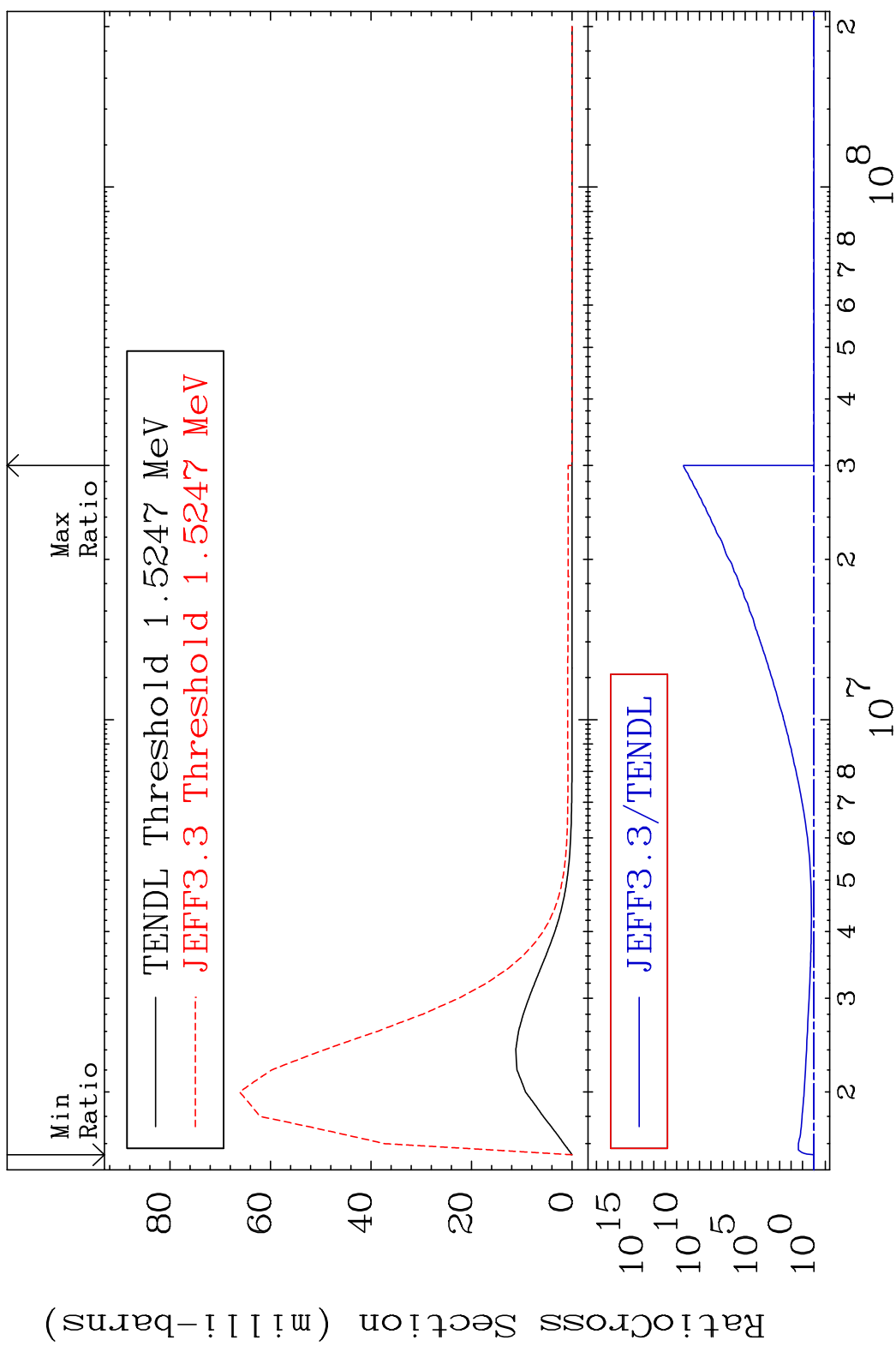
MAT 7849 MT= 61 (n, n') Level 78-Pt-198  
 Cross Section -100.0 To 4.336 %



MAT 7849 MT= 62 (n, n') Level 78-Pt-198  
 Cross Section -1.819 To 27.15 %

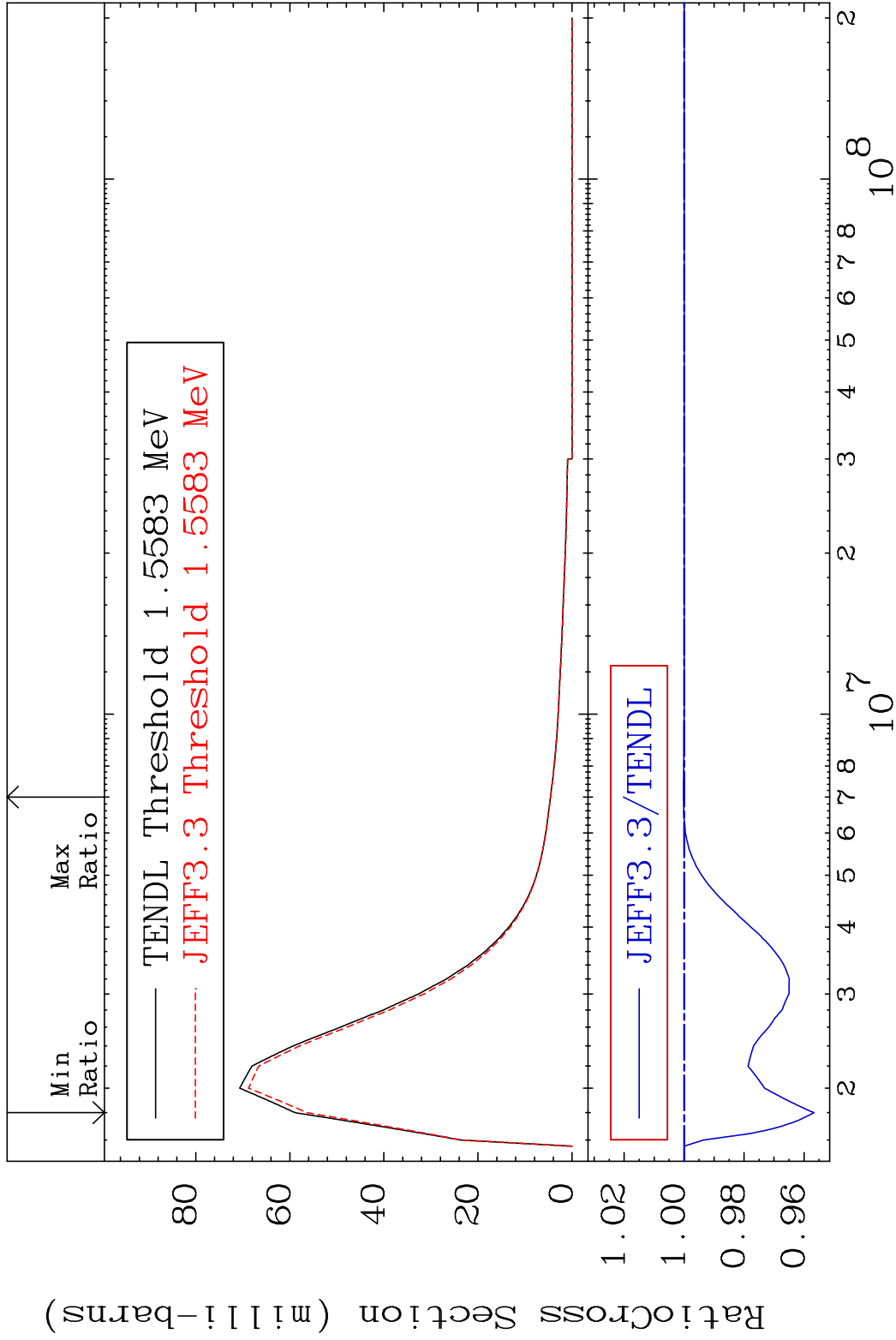


MAT 7849 MT= 63 (n, n') Level 78-Pt-198  
 Cross Section 0.000 To 9999. %



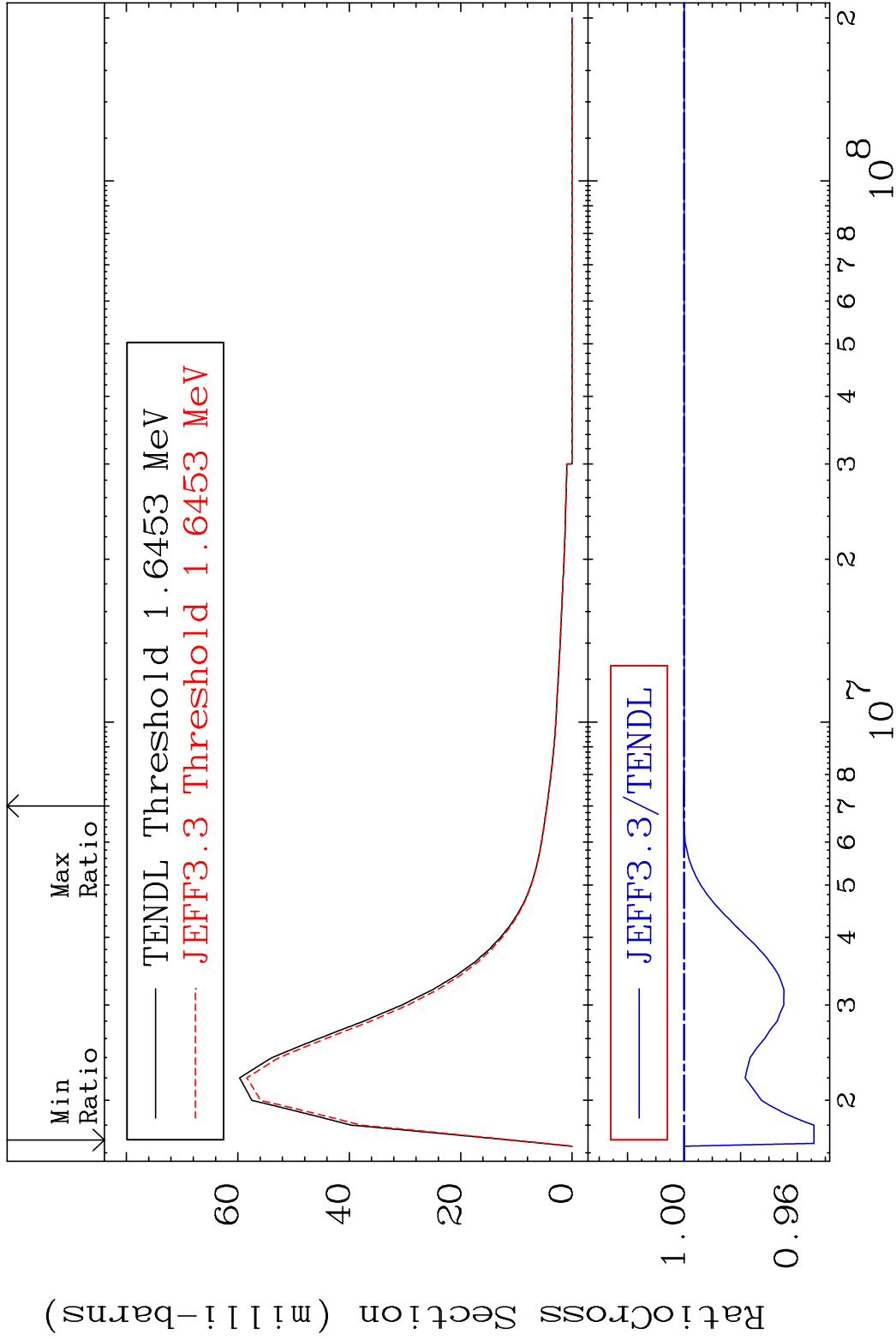
30 Incident Energy (eV) 78-Pt-198

MAT 7849 MT= 64 (n, n') Level 78-Pt-198  
 Cross Section -4.328 To 0.023 %



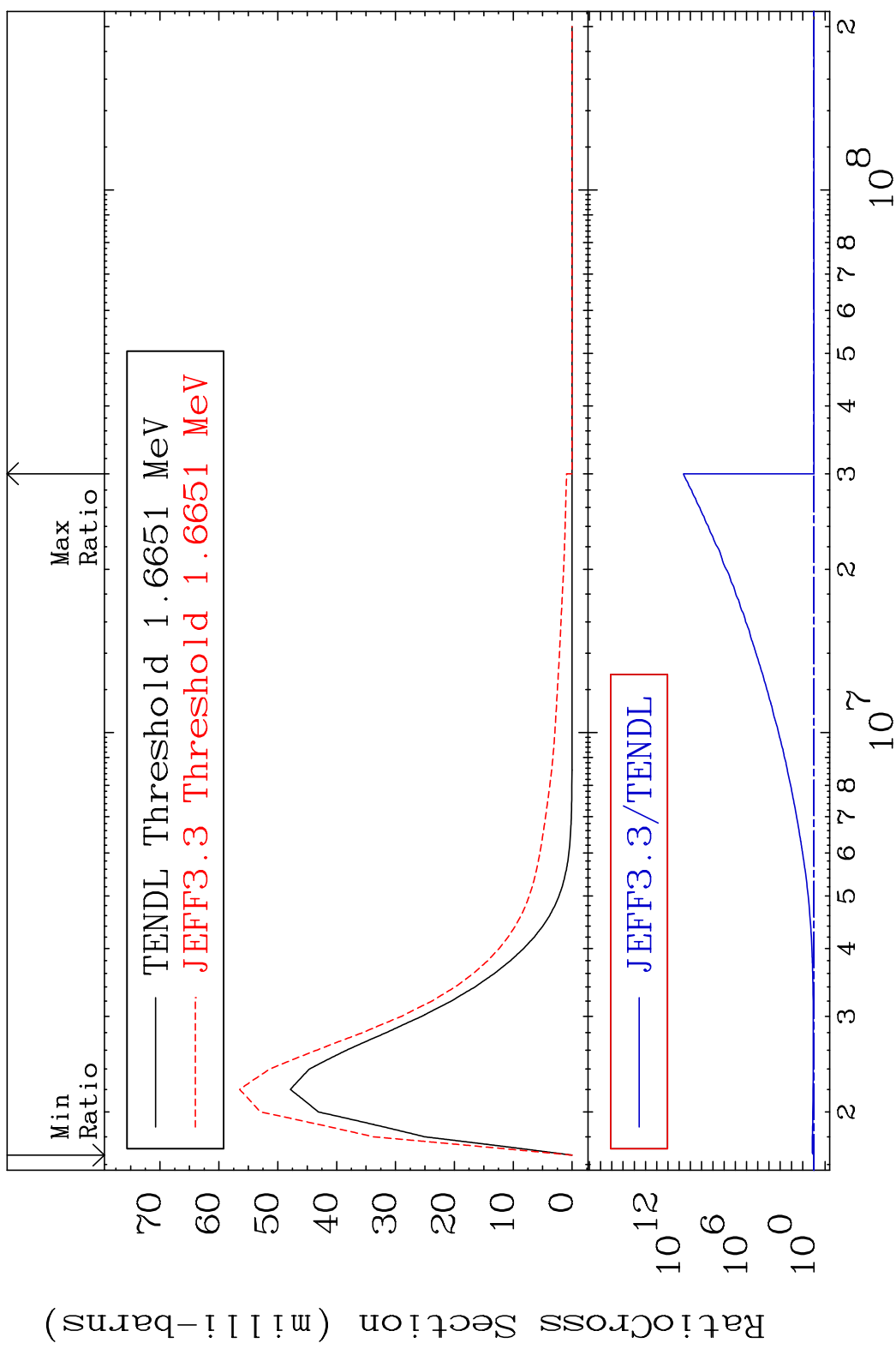


MAT 7849 MT= 65 (n, n') Level 78-Pt-198  
 Cross Section -4.590 To 0.023 %

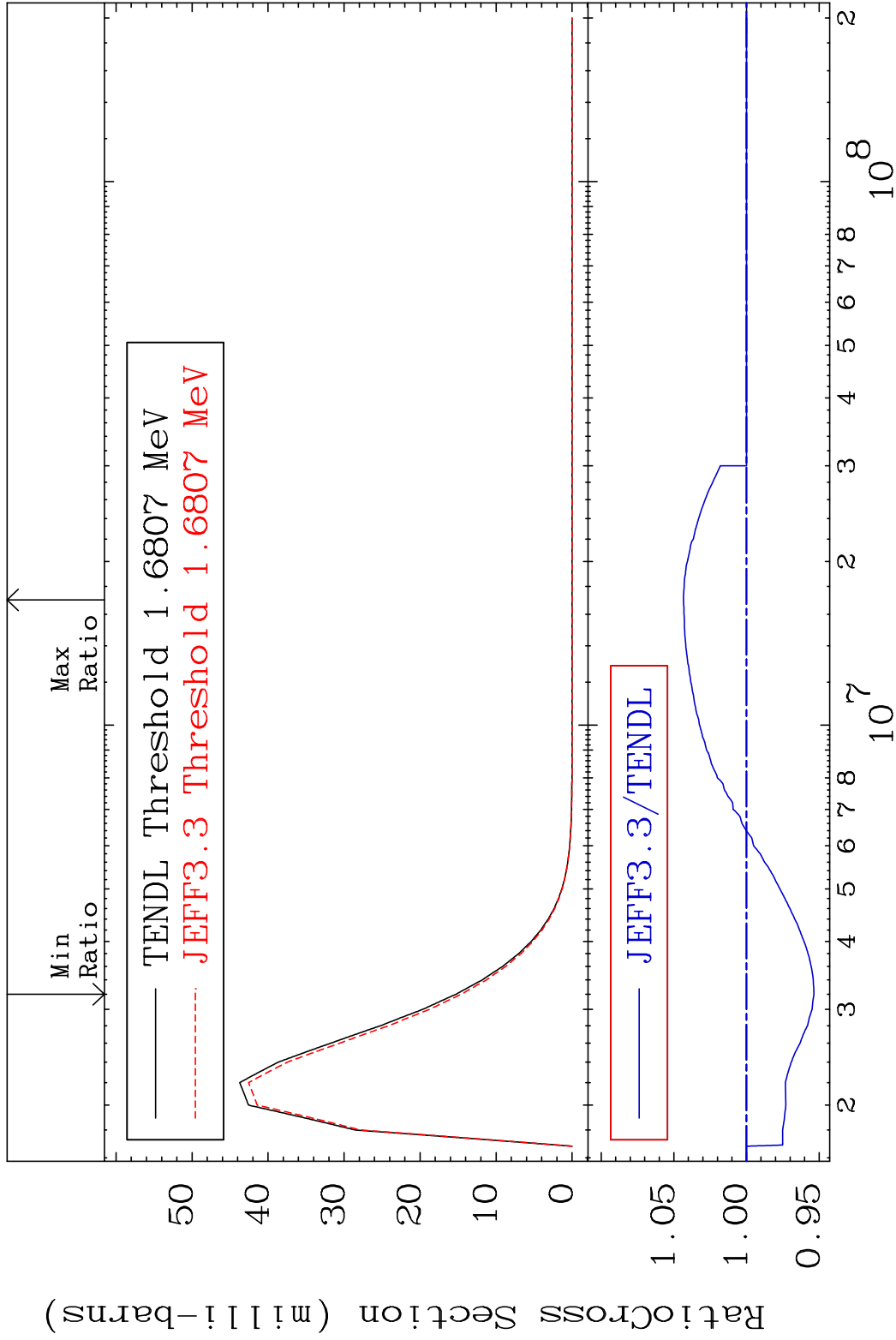


32 Incident Energy (eV) 78-Pt-198

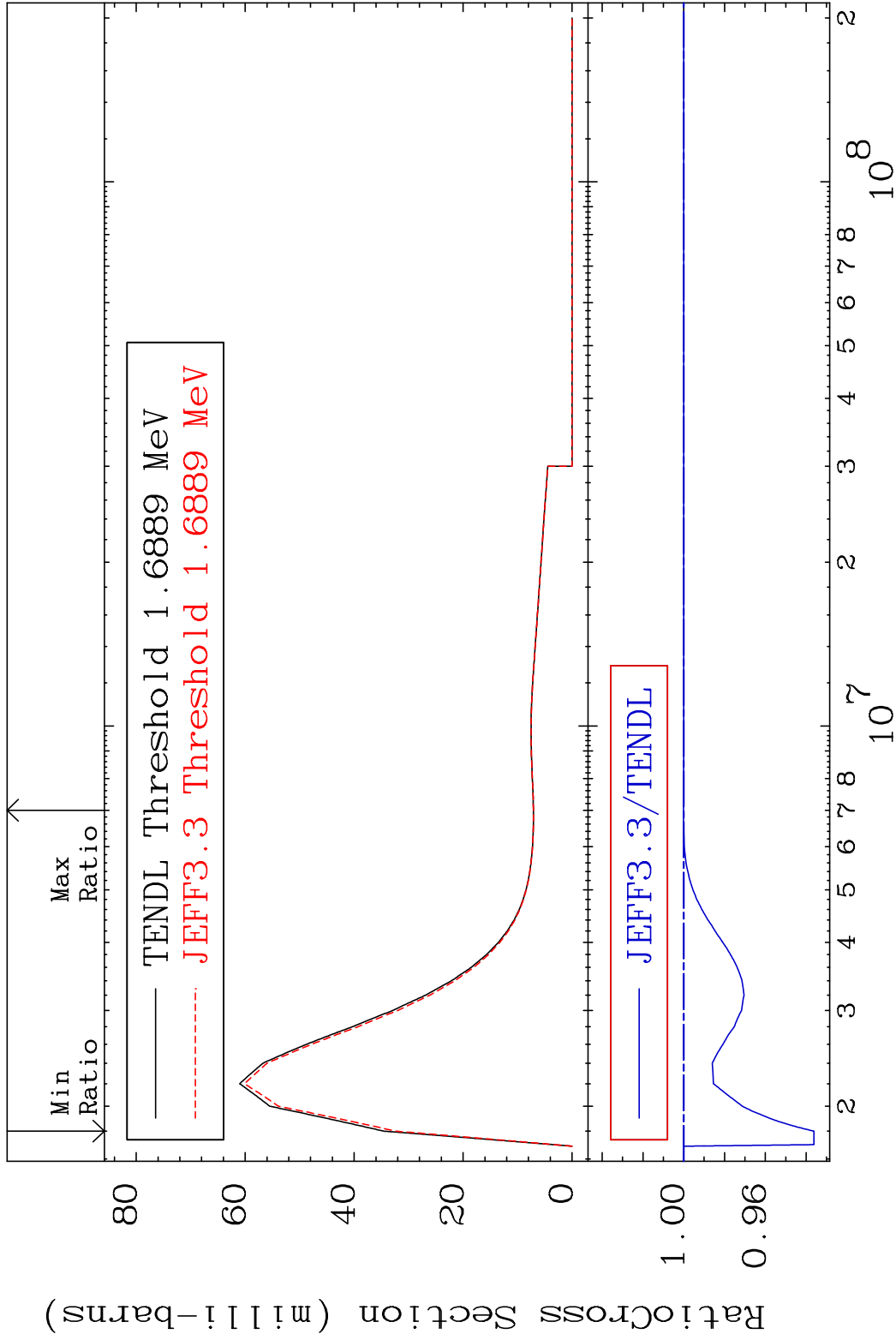
MAT 7849 MT= 66 (n, n') Level 78-Pt-198  
 Cross Section 0.000 To 9999. %



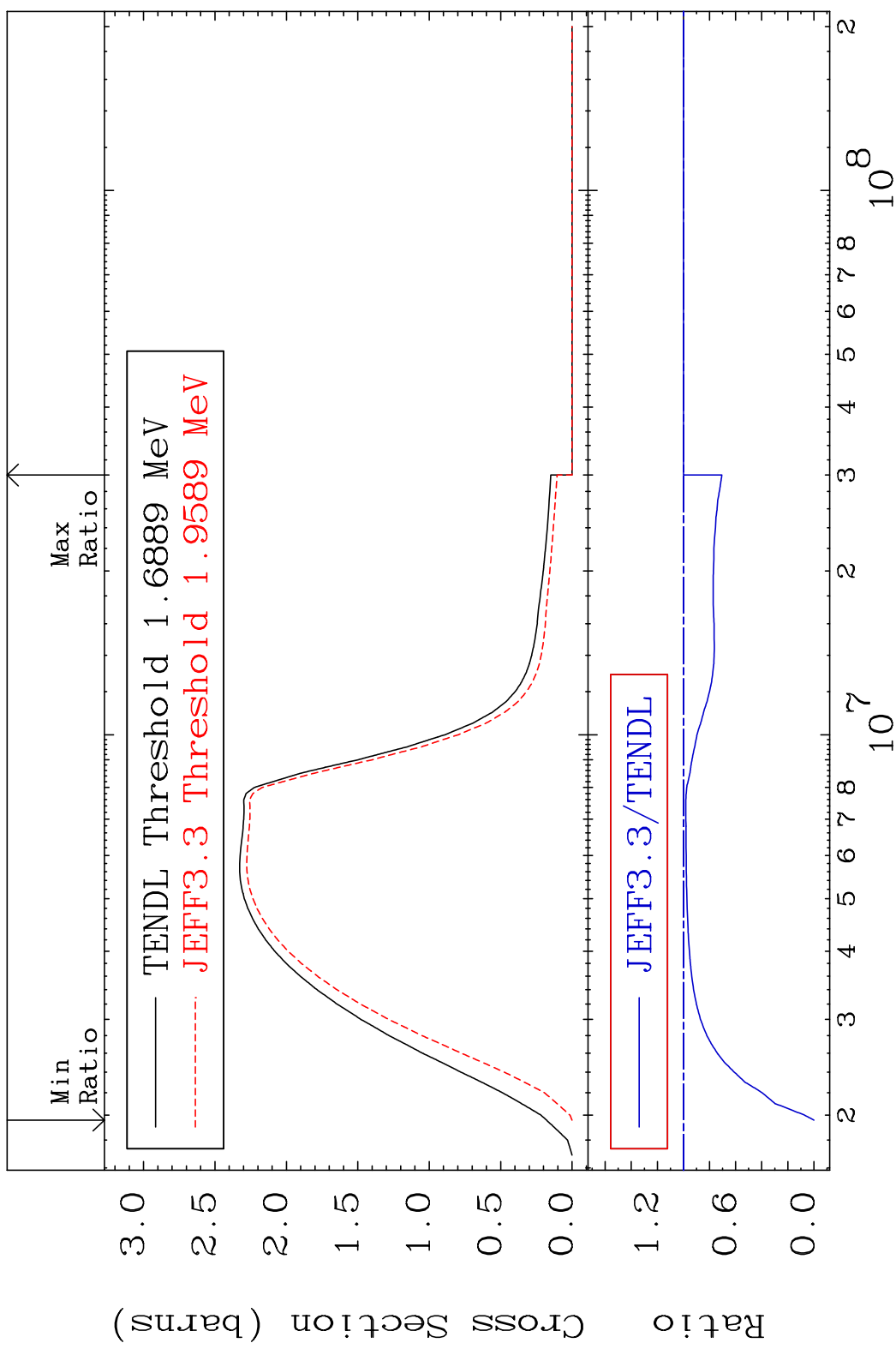
MAT 7849 MT= 67 (n, n') Level 78-Pt-198  
 Cross Section -4.637 To 4.337 %



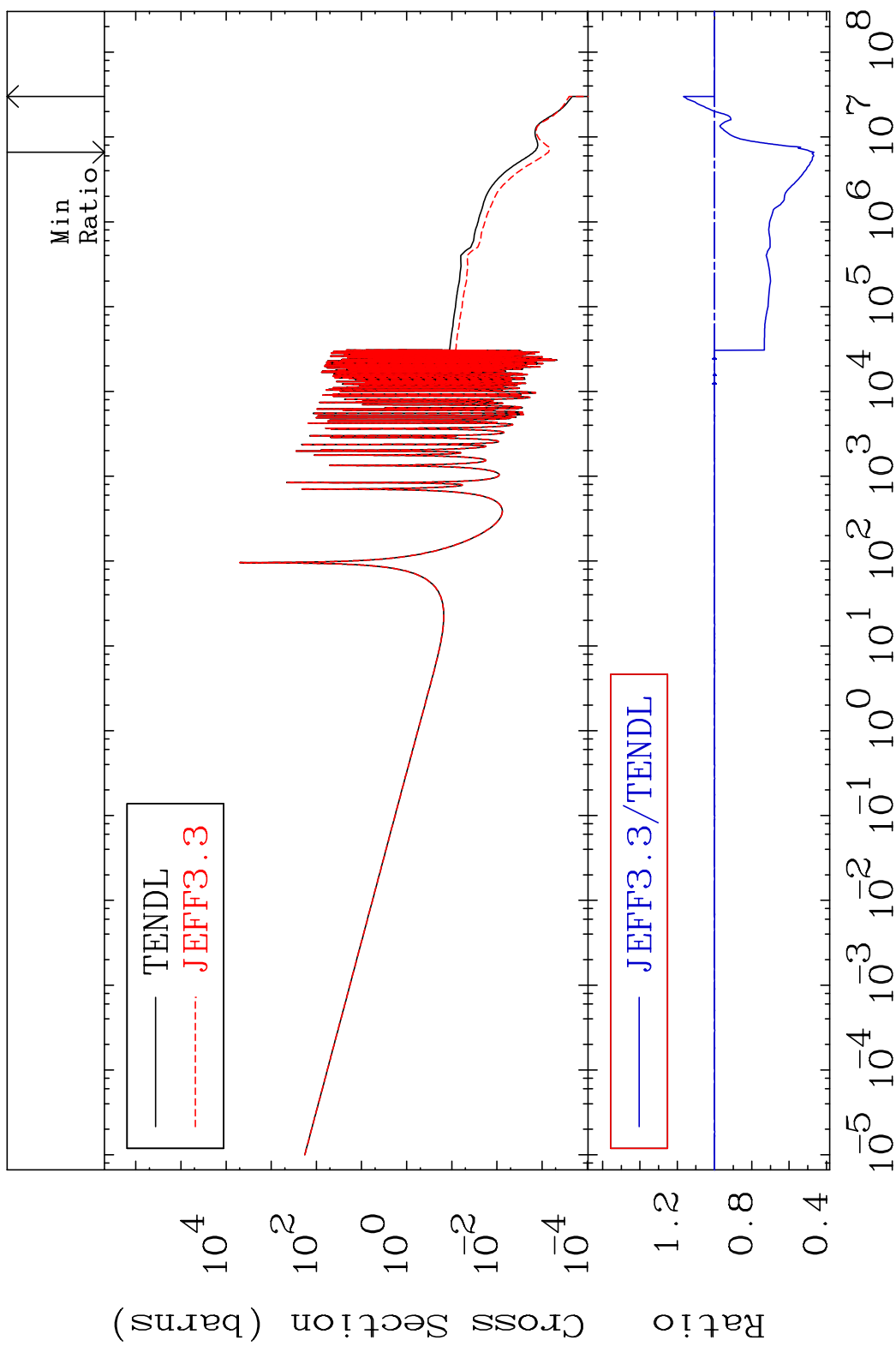
MAT 7849 MT= 68 (n, n') Level 78-Pt-198  
 Cross Section -6.379 To 0.014 %



35 Incident Energy (eV) 78-Pt-198



MAT 7849 (n,  $\gamma$ ) 78-Pt-198  
 Cross Section -53.27 To 16.66 %

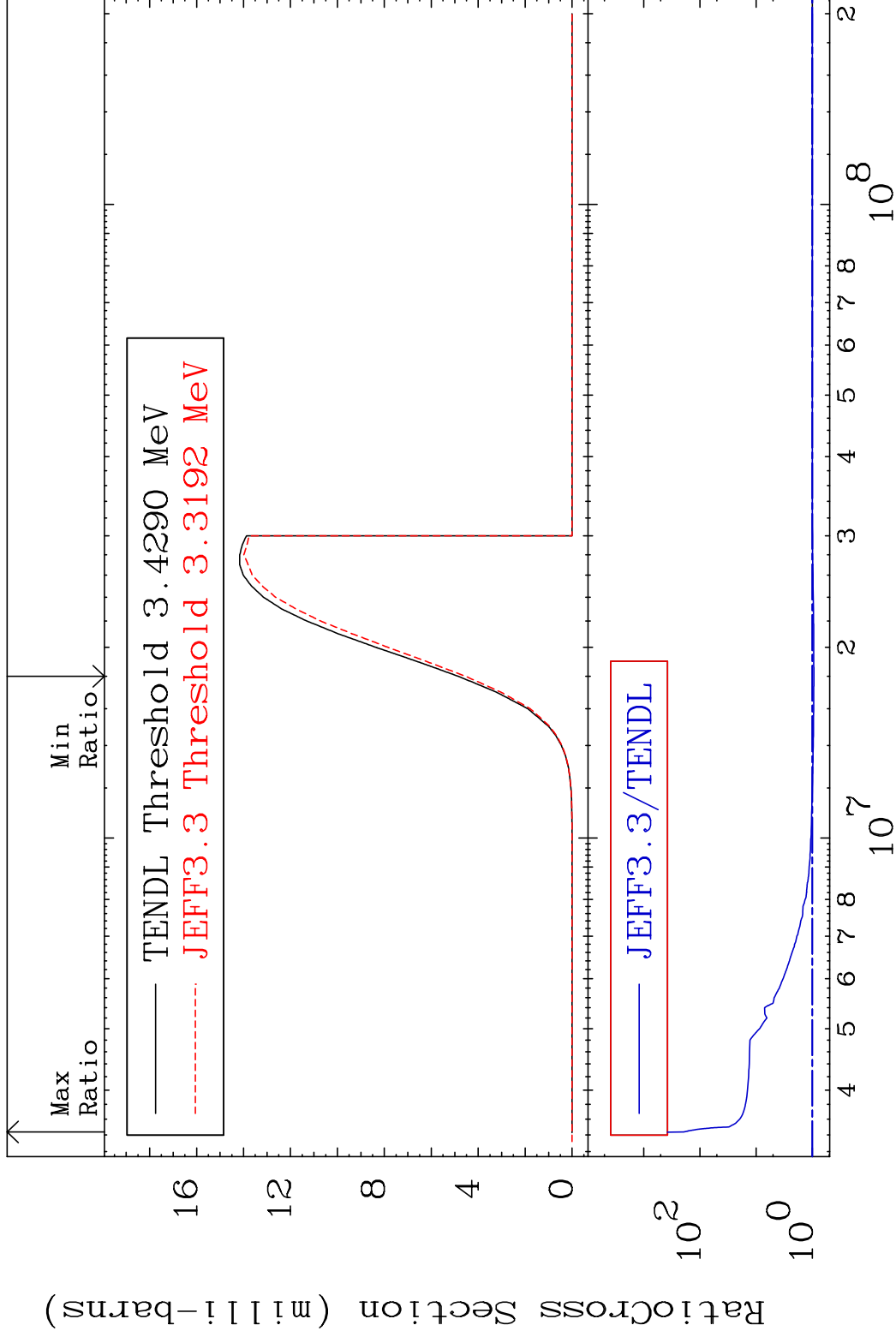


MAT 7849

(n, p)

78-Pt-198

Cross Section -6.443 To 9999. %



38

Incident Energy (eV)

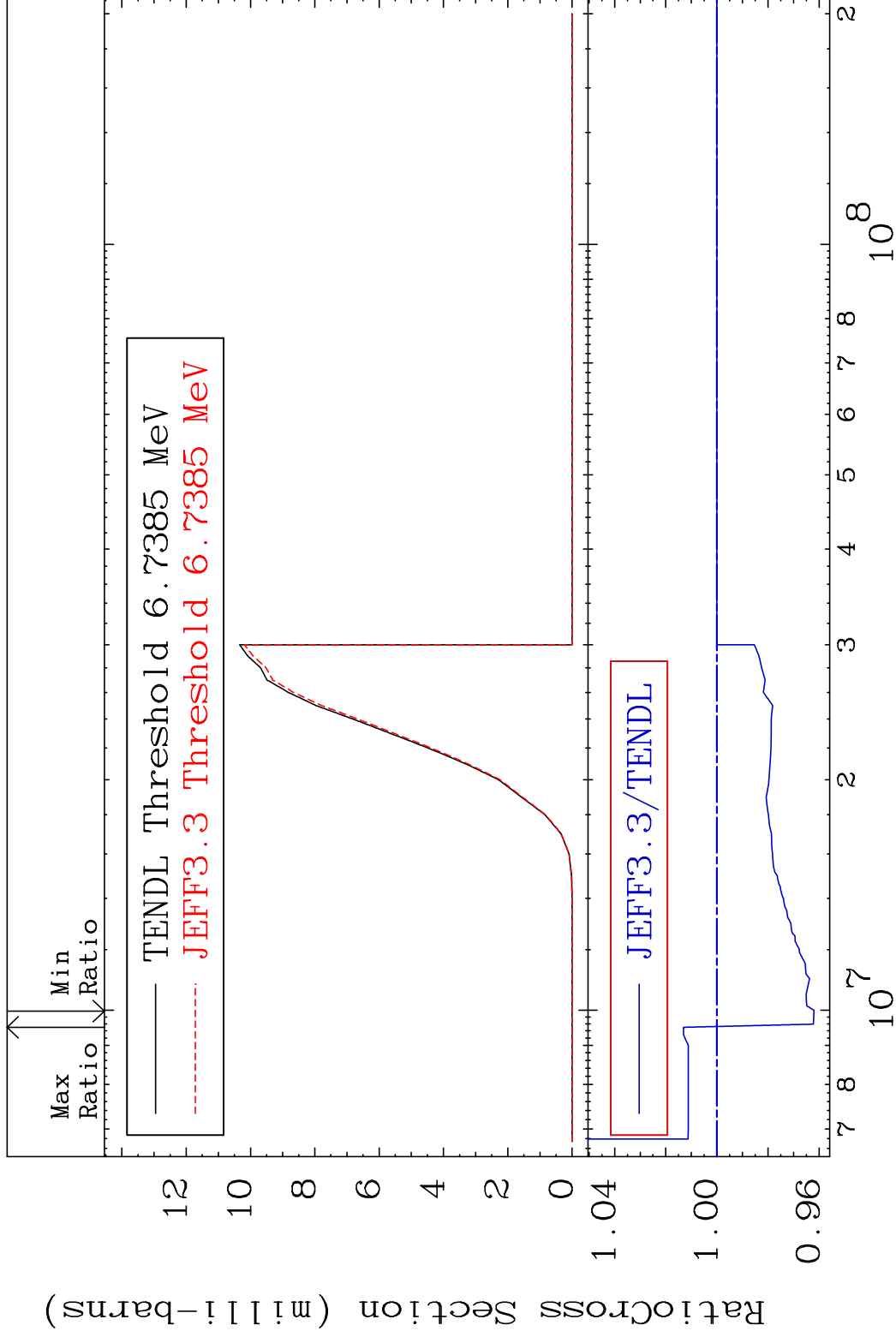
78-Pt-198

MAT 7849

(n, d)

78-Pt-198

Cross Section -3.793 To 1.308 %

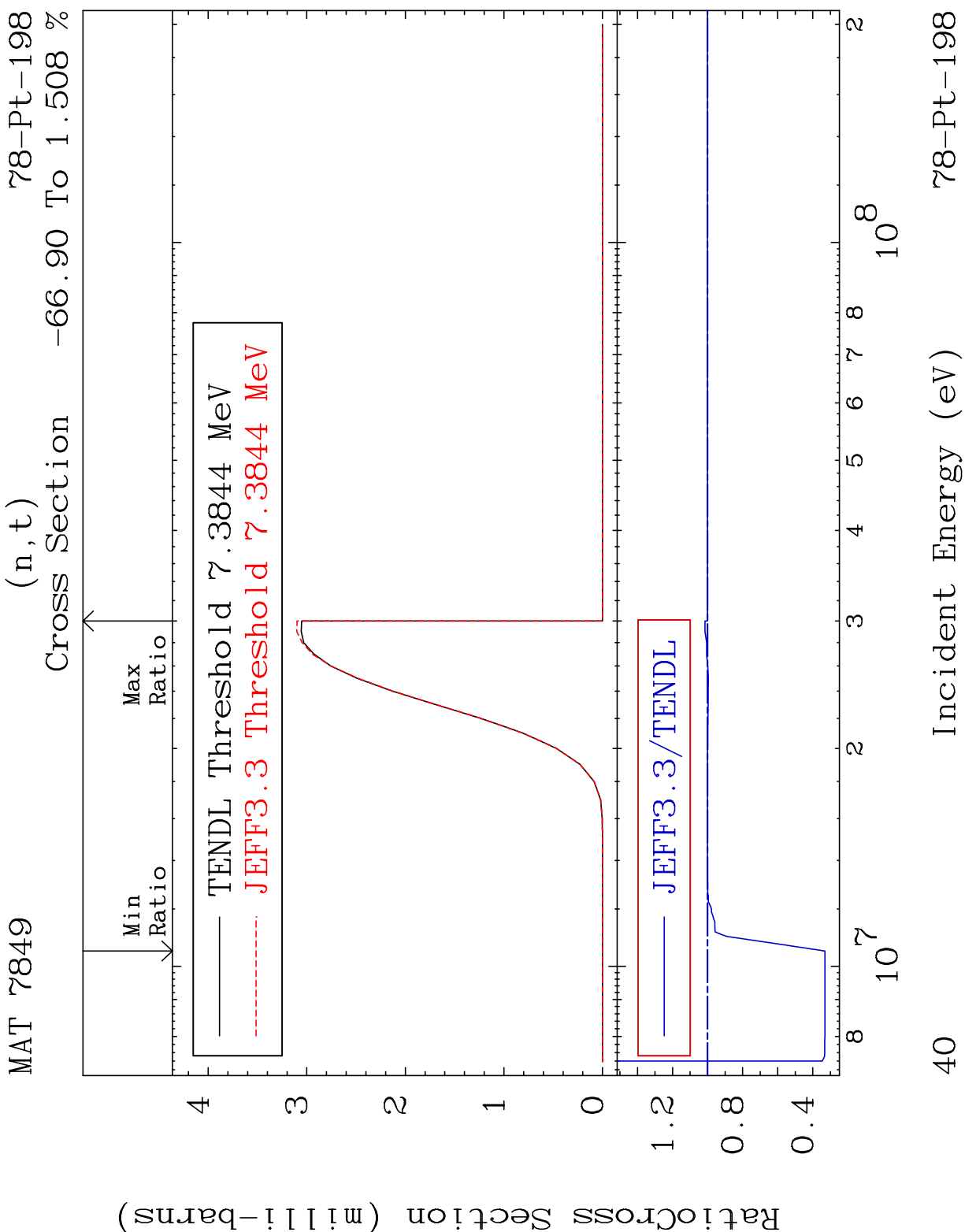


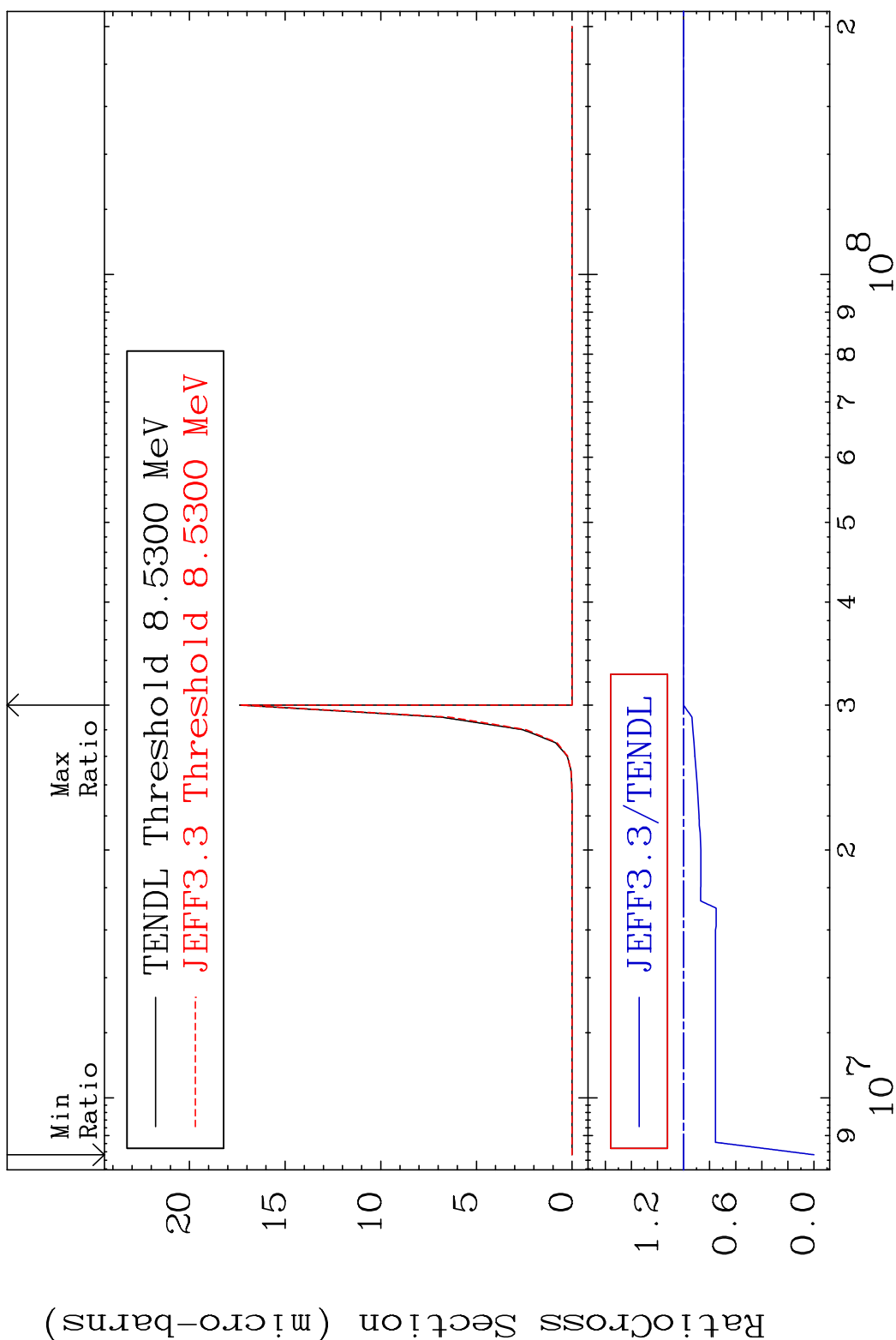
39

Incident Energy (eV)

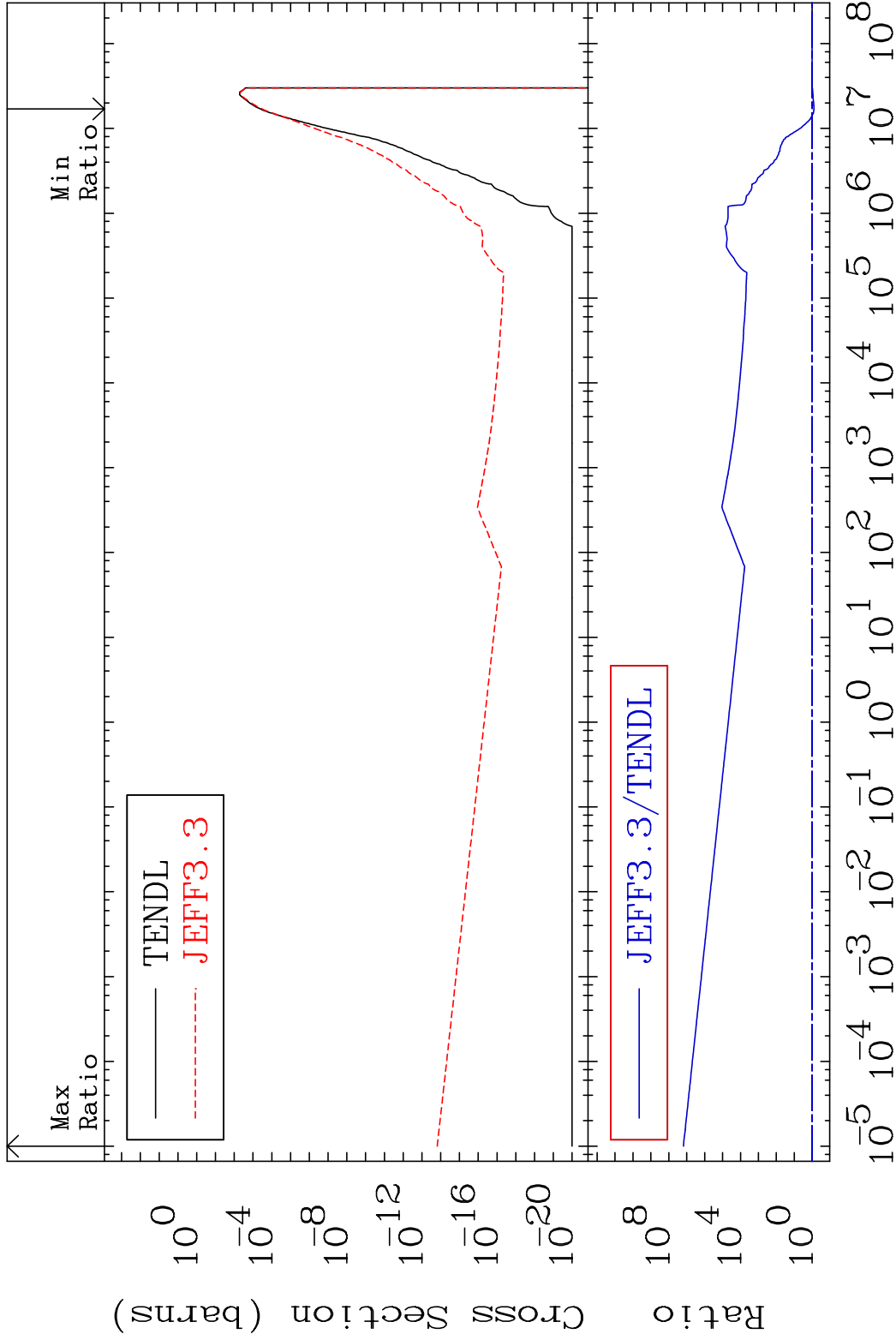
78-Pt-198





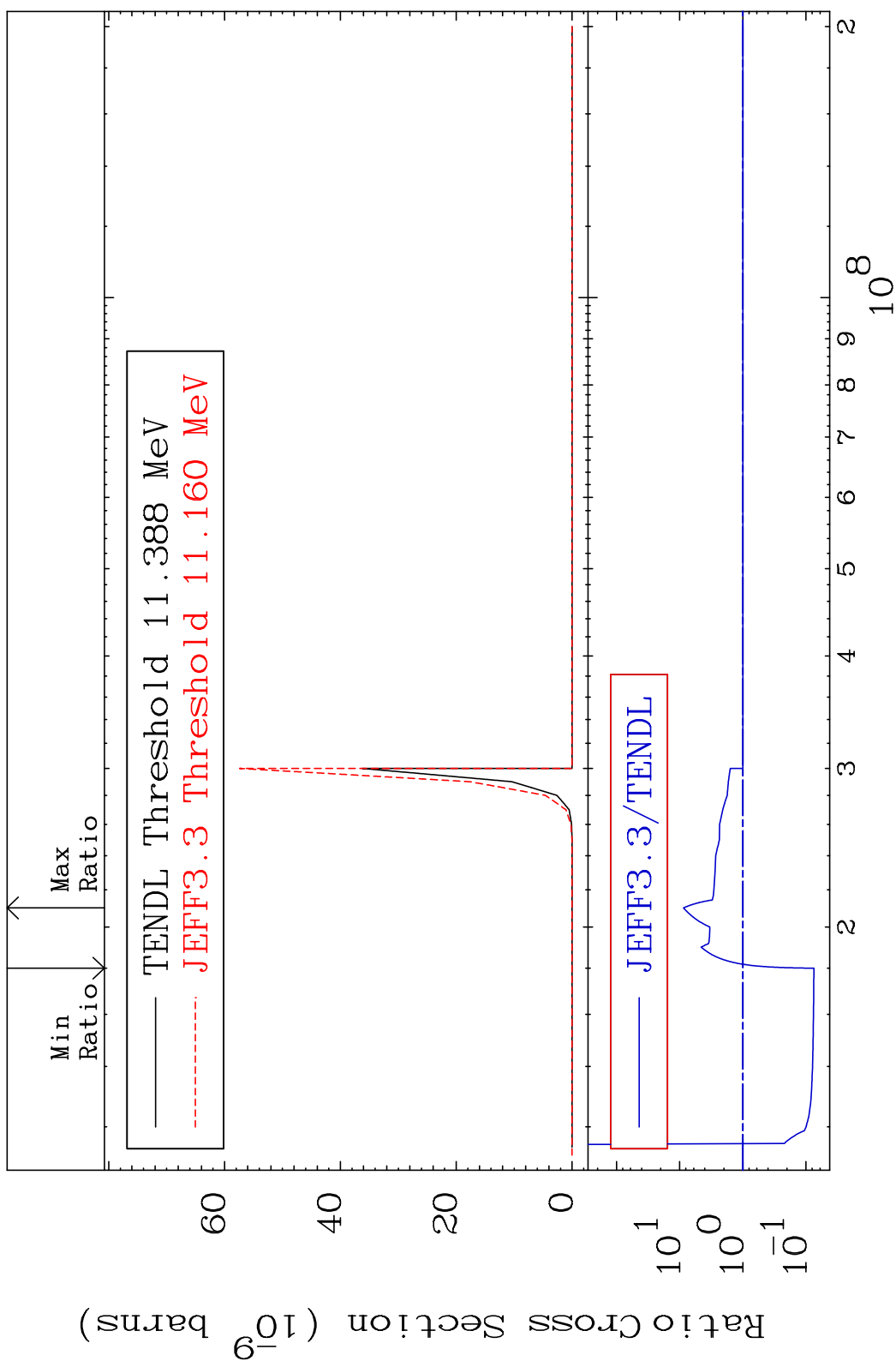


MAT 7849 (n,  $\alpha$ ) 78-Pt-198  
 Cross Section -19.62 To 9999. %

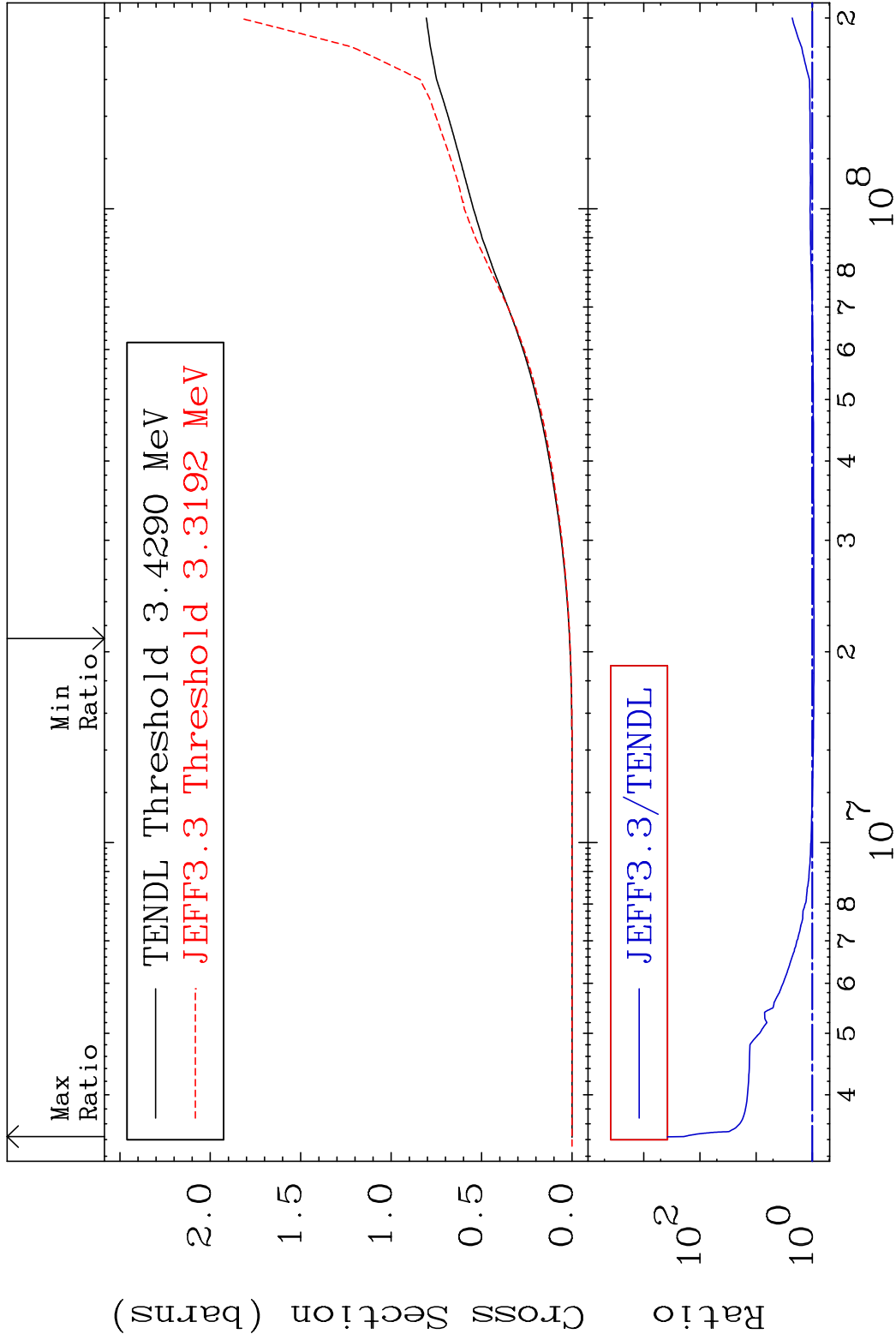


42 Incident Energy (eV) 78-Pt-198

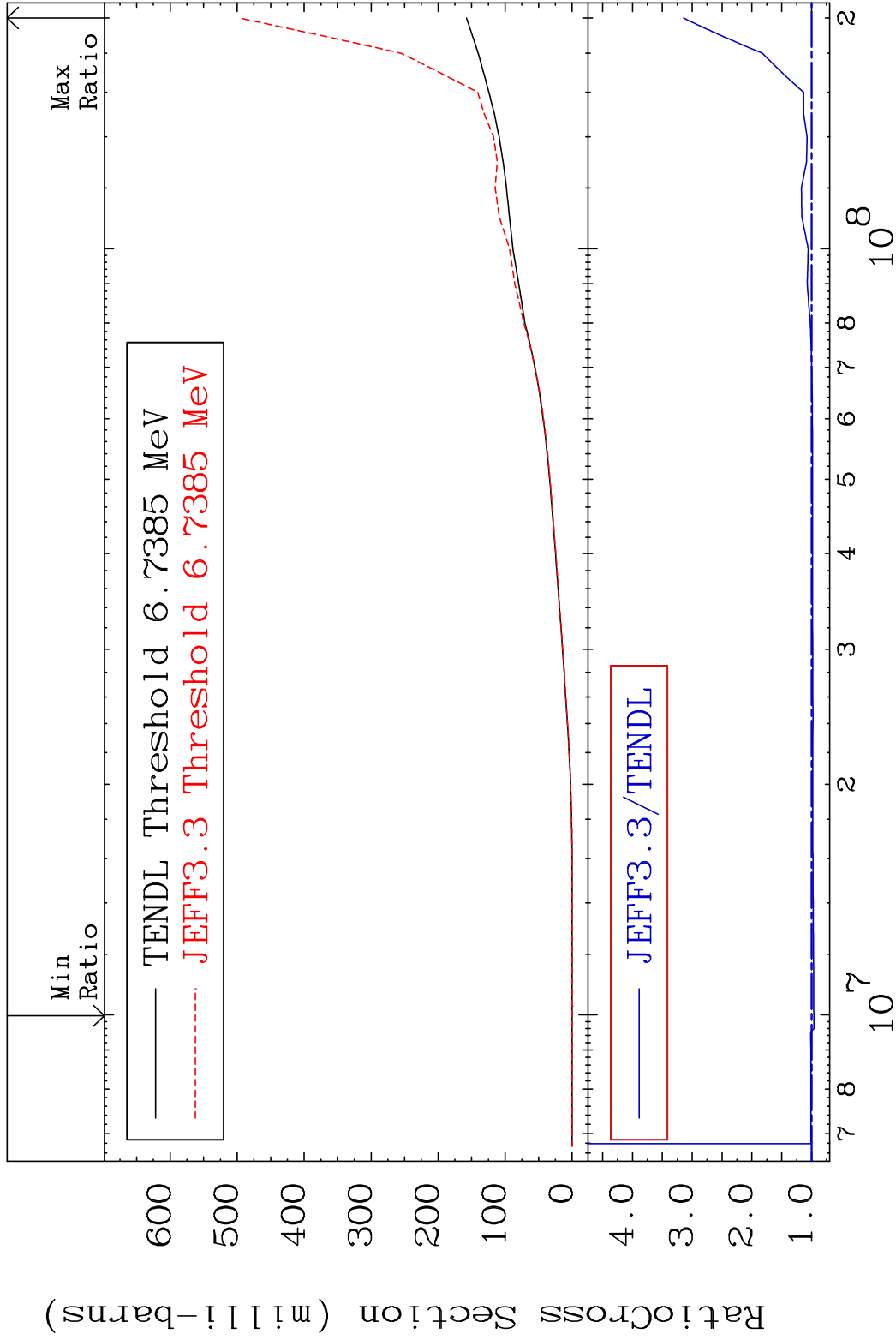
MAT 7849 (n,2p) 78-Pt-198  
 Cross Section -92.49 To 772.4 %



MAT 7849 Hydrogen Production 78-Pt-198  
 Cross Section -6.458 To 9999. %

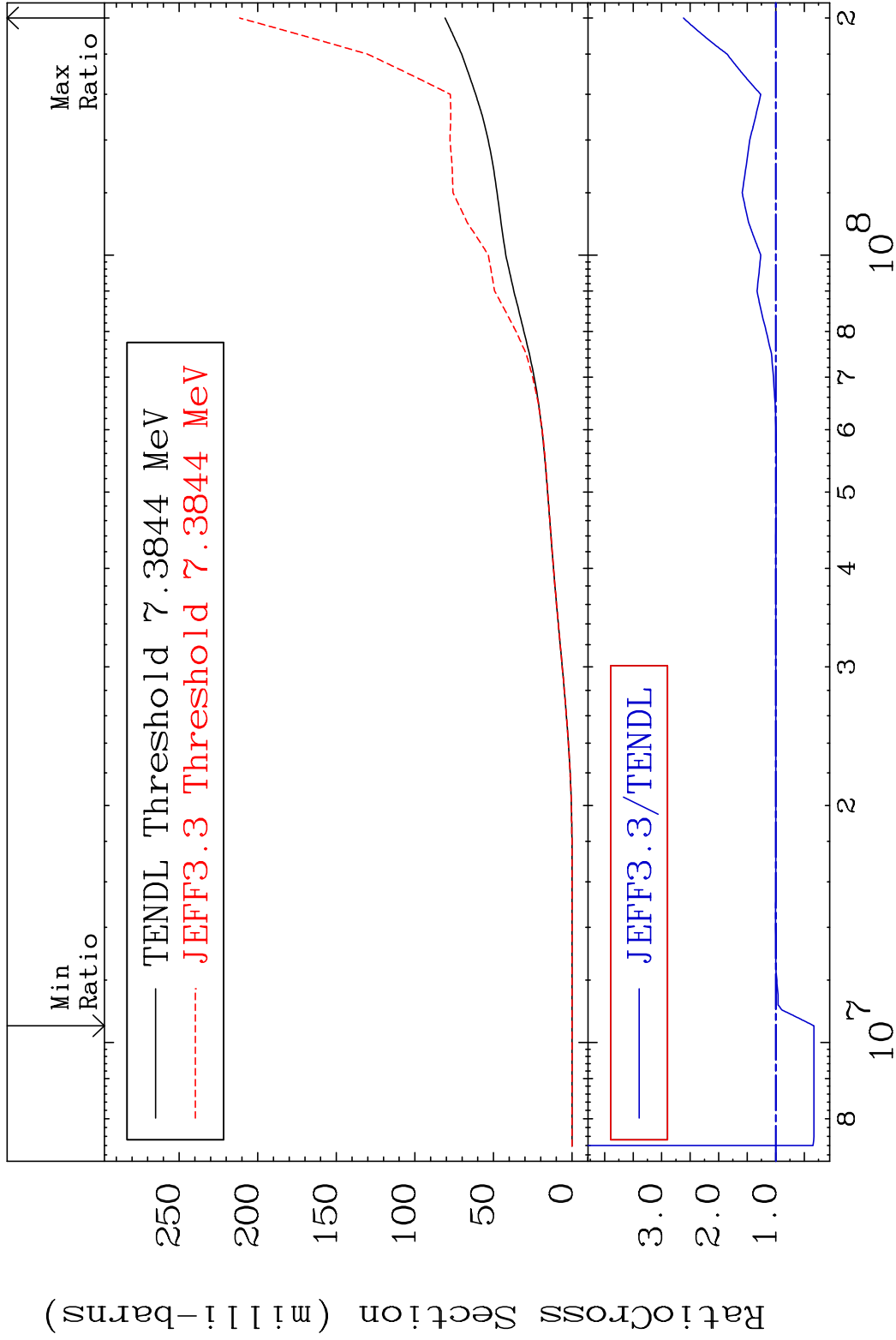


MAT 7849 Deuterium Production 78-Pt-198  
 Cross Section -3.793 To 214.6 %



45 Incident Energy (eV) 78-Pt-198

MAT 7849 Tritium Production 78-Pt-198  
 Cross Section -66.90 To 161.8 %



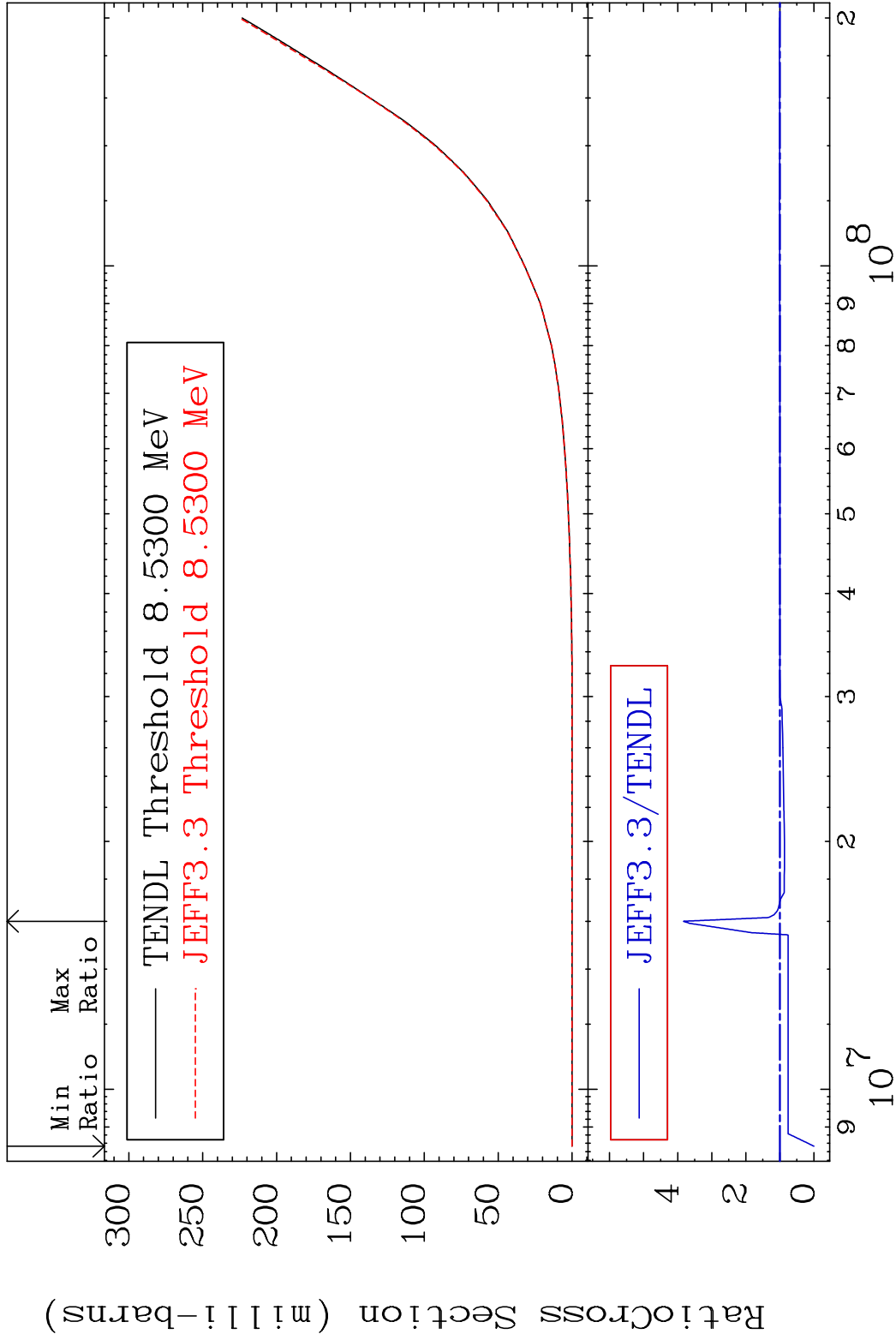
46 Incident Energy (eV) 78-Pt-198

MAT 7849

He-3 Production

78-Pt-198

Cross Section -100.0 To 283.0 %



47

Incident Energy (eV)

78-Pt-198

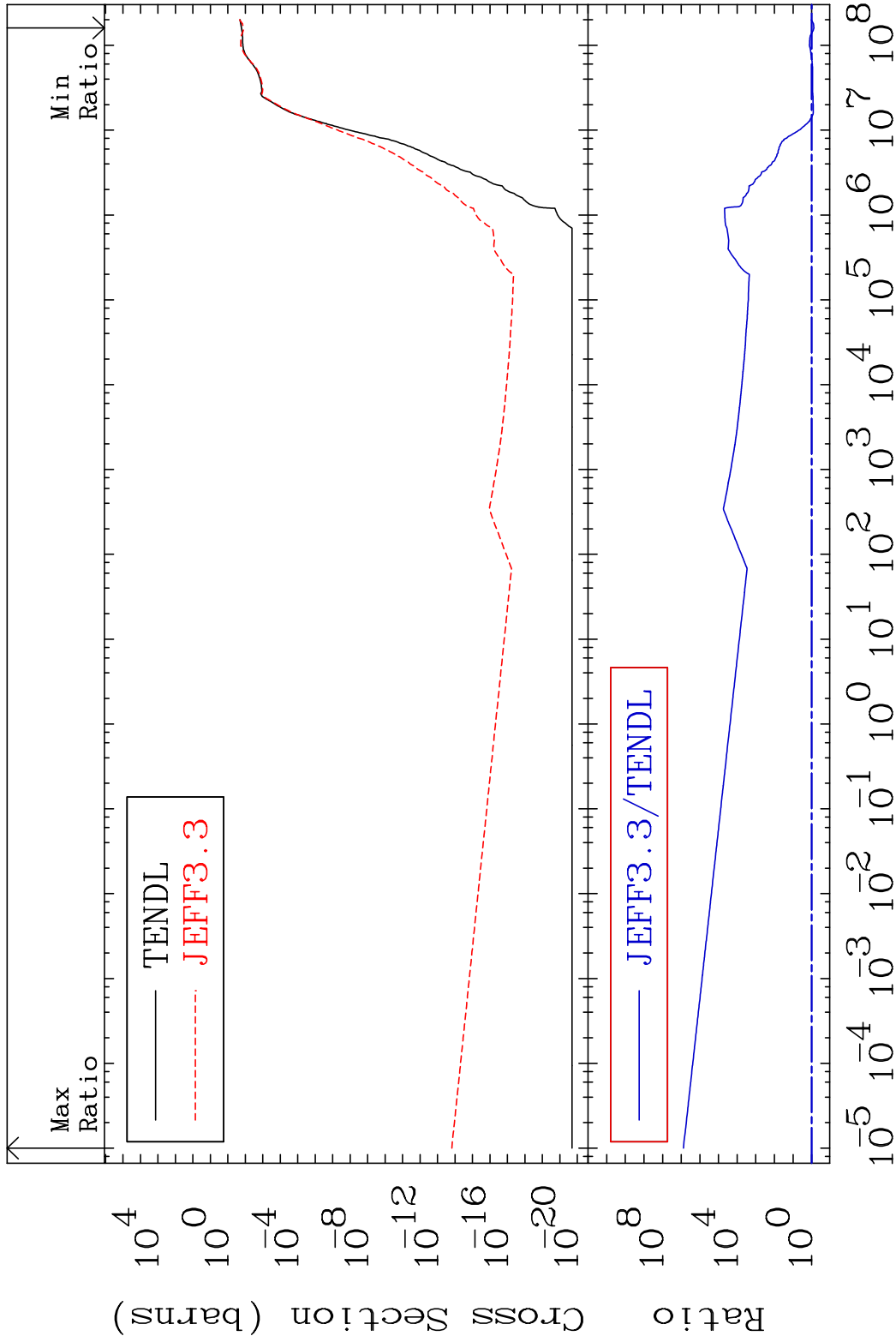


MAT 7849

He-4 Production

78-Pt-198

Cross Section -23.74 To 9999. %

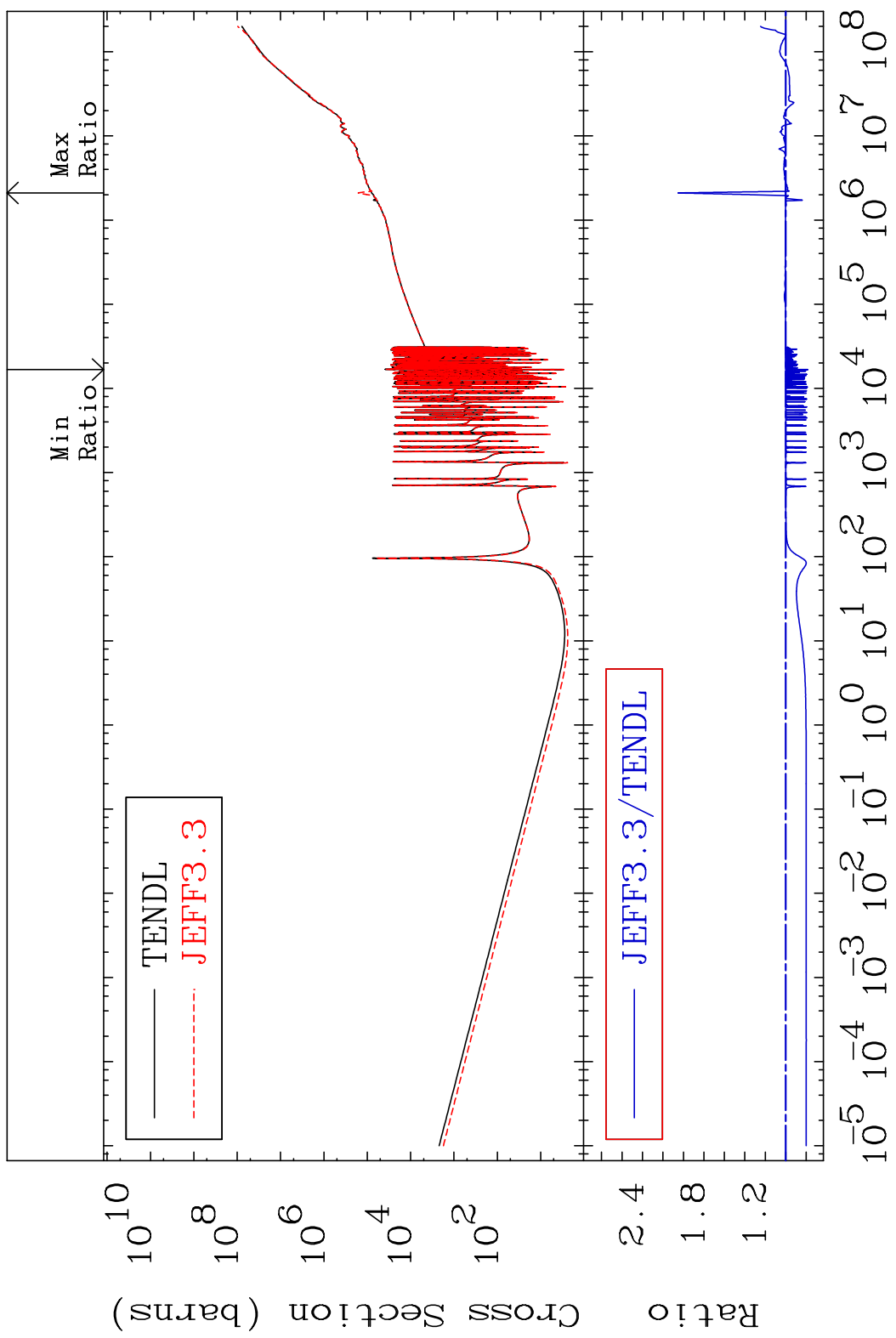


48

Incident Energy (eV)

78-Pt-198

MAT 7849 Kerma total (eV-barns) 78-Pt-198  
 Cross Section -21.42 To 105.0 %

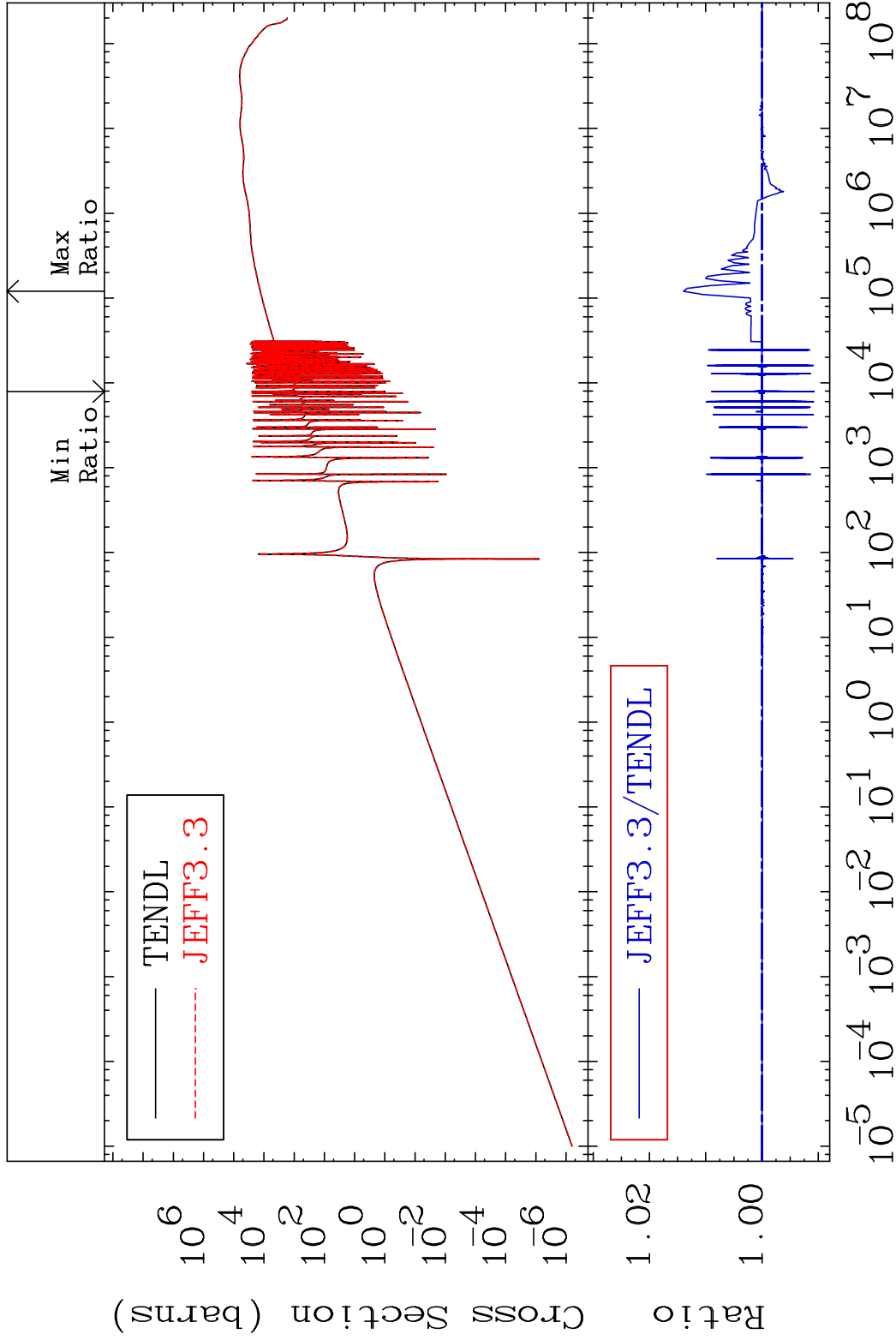


49 Incident Energy (eV) 78-Pt-198

MAT 7849

Kerma elastic  
Cross Section

78-Pt-198  
-0.921 To 1.396 %

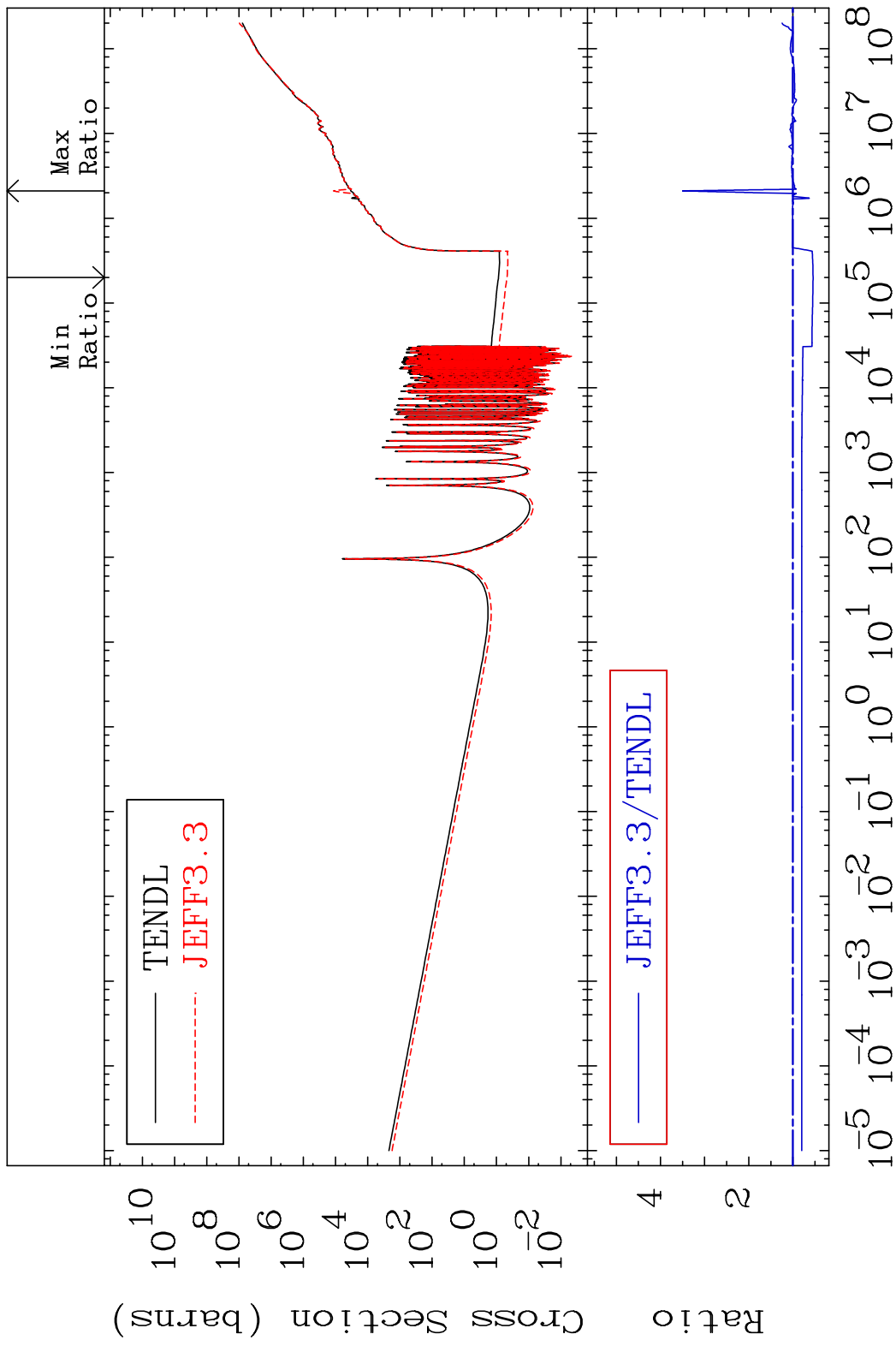


50

Incident Energy (eV)

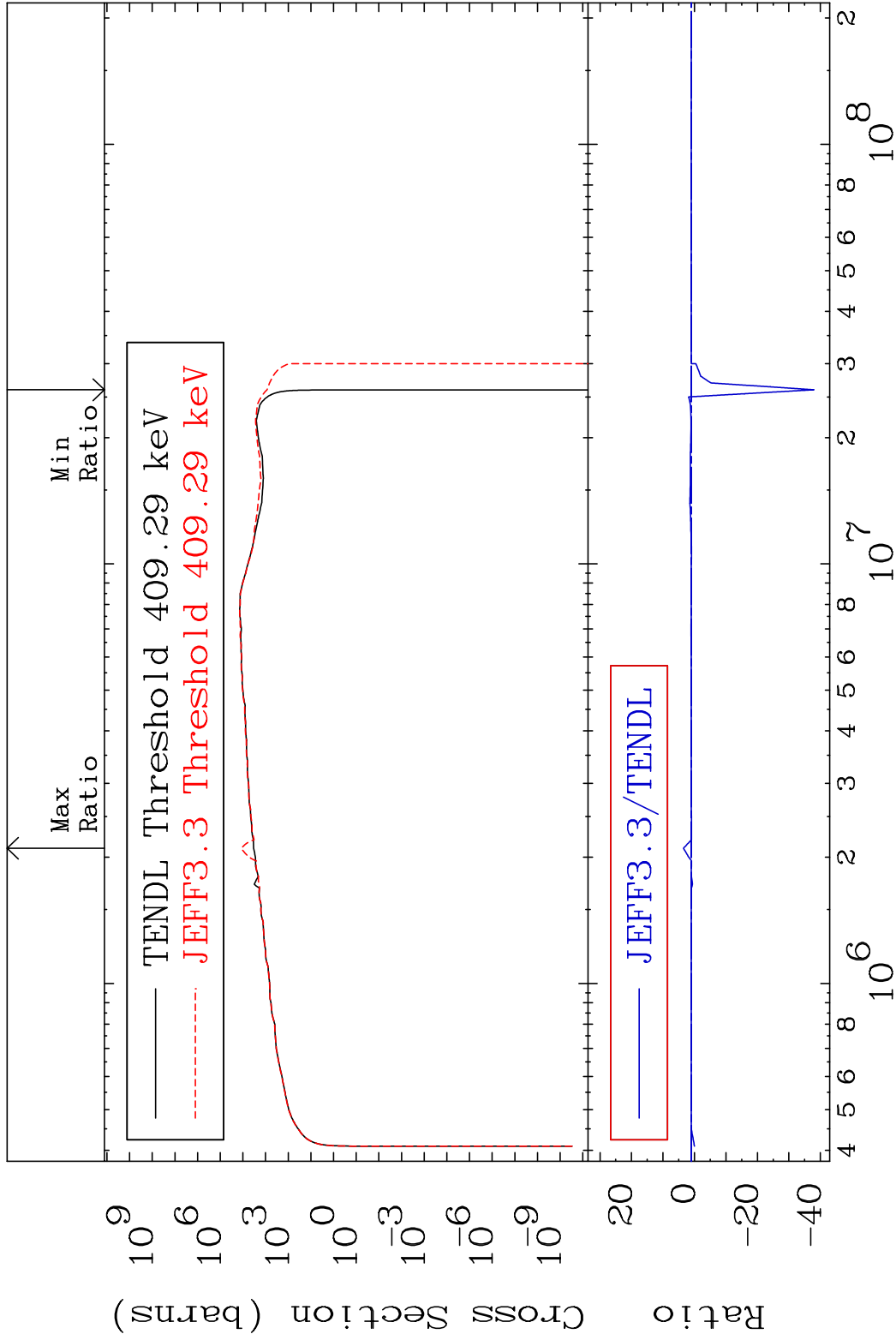
78-Pt-198

MAT 7849 Kerma non-elastic (all but mt2) 78-Pt-198  
 Cross Section -45.78 To 249.4 %



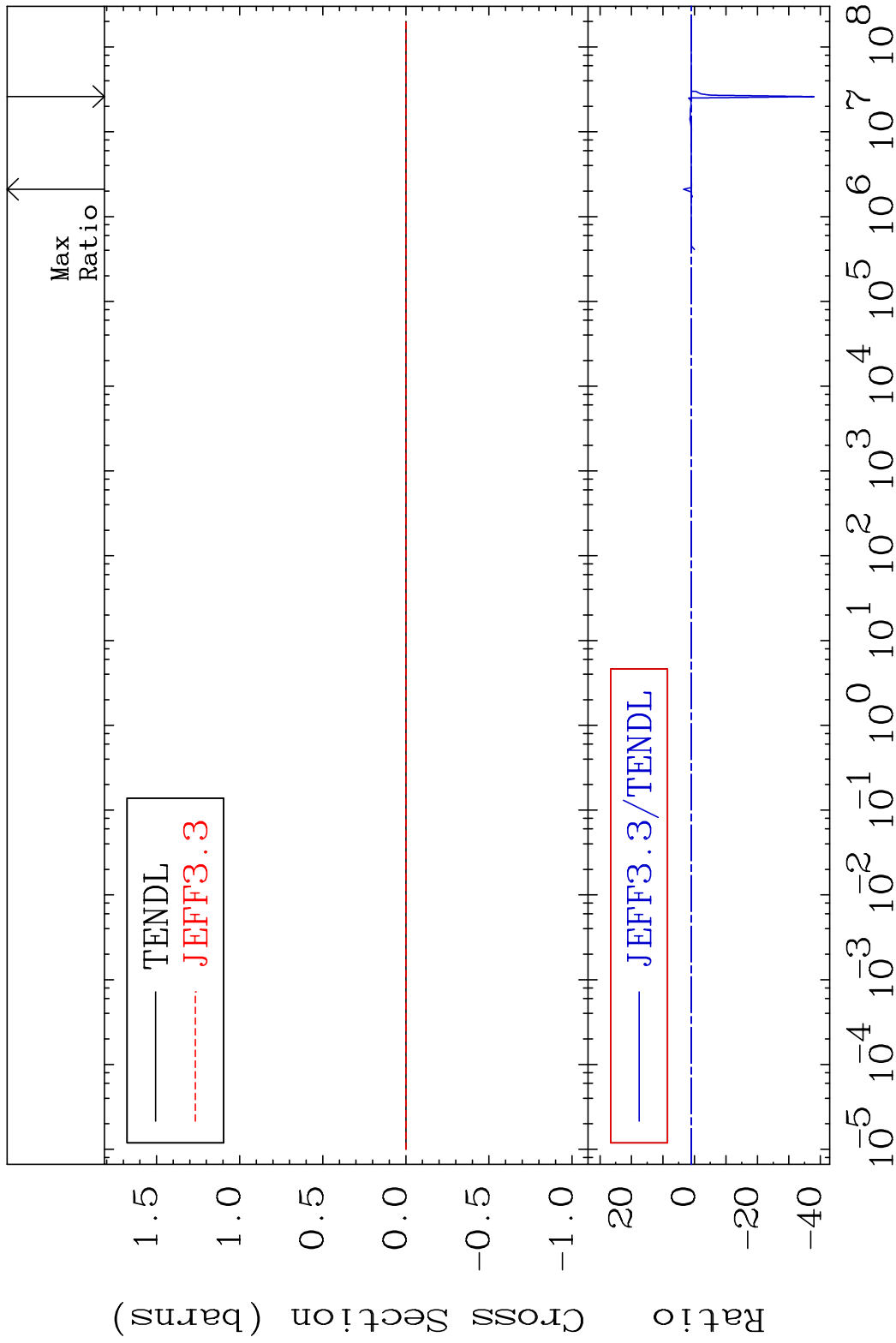
51 Incident Energy (eV) 78-Pt-198

MAT 7849 Kerma inelastic (mt51-91) 78-Pt-198  
 Cross Section -3894. To 249.4 %

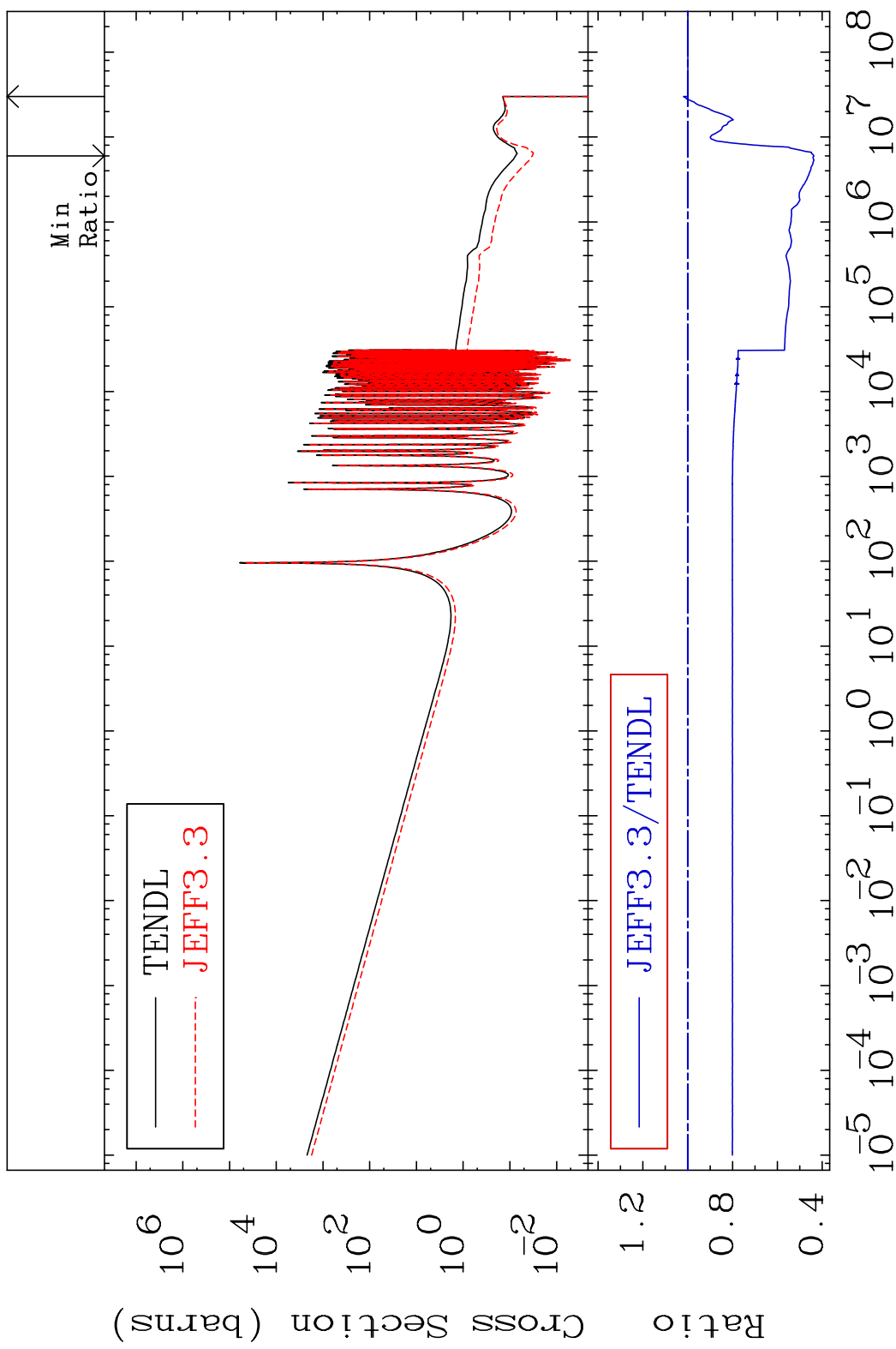


52 Incident Energy (eV) 78-Pt-198

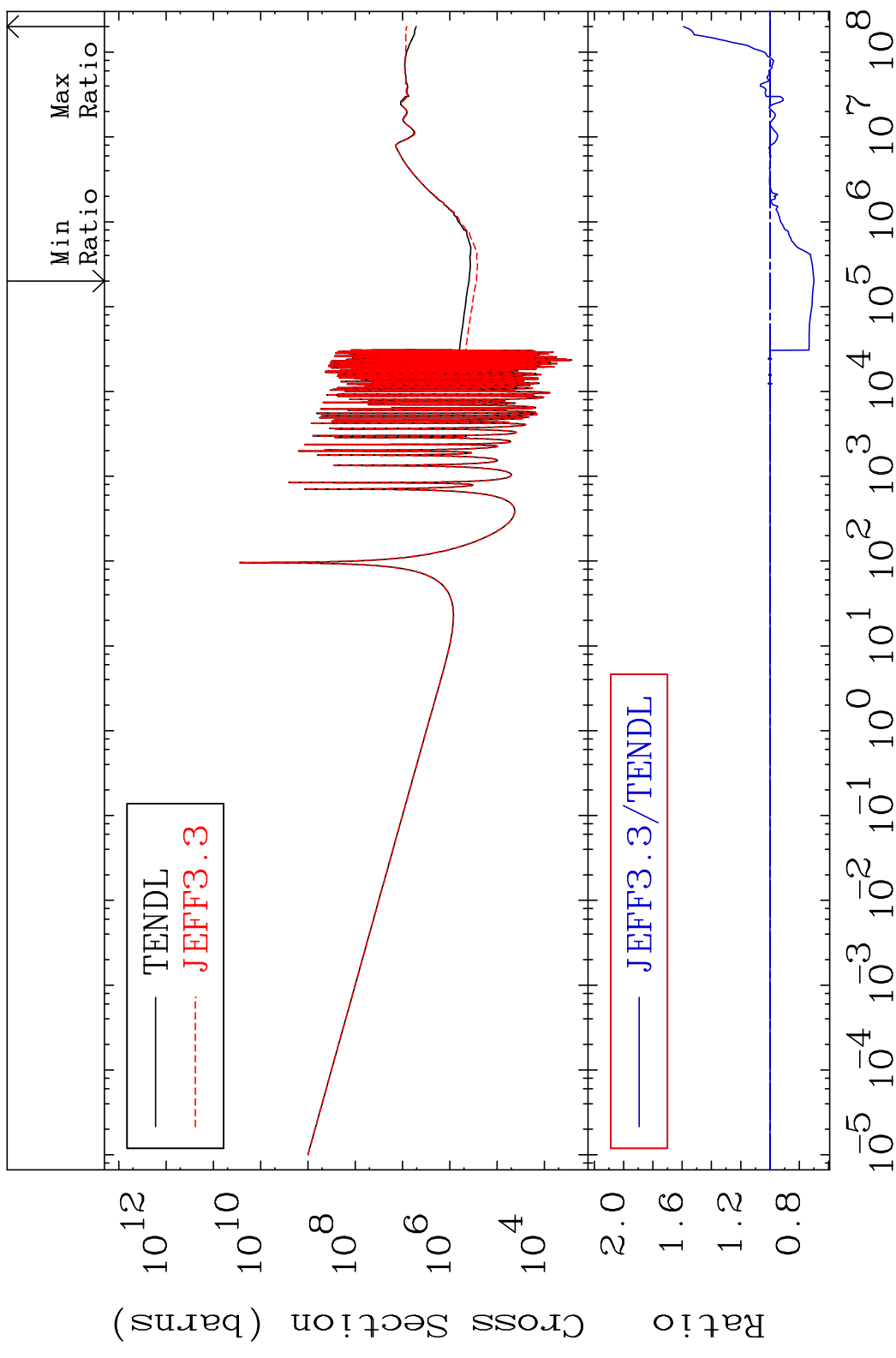
MAT 7849 Kerma fission (mt18 or mt19-20-21-38) 78-Pt-198  
 Cross Section -3894. To 249.4 %



MAT 7849 Kerma capture (mt102) 78-Pt-198  
 Cross Section -56.27 To 1.902 %



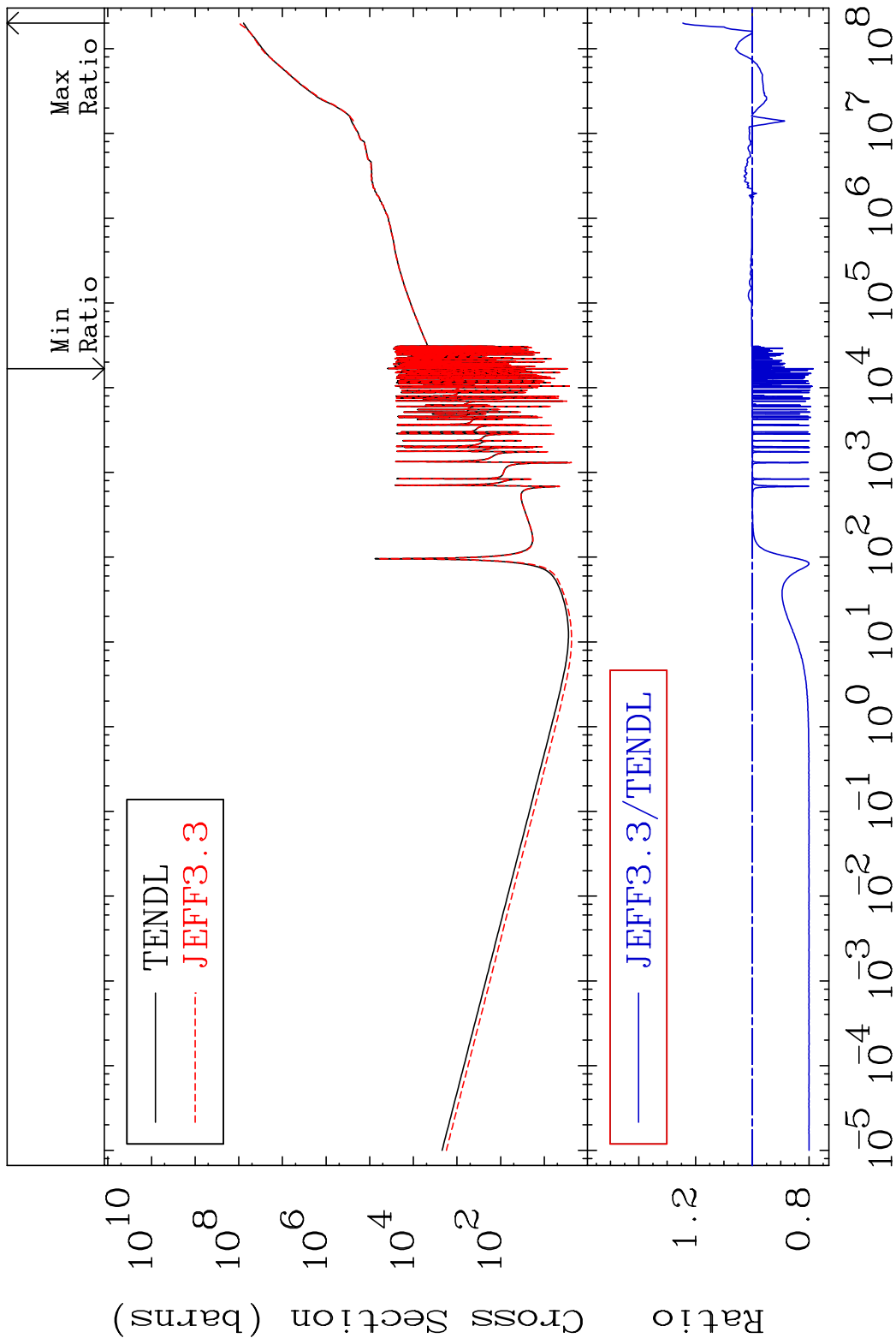
MAT 7849 Total photon (eV-barns) 78-Pt-198  
 Cross Section -30.02 To 59.15 %



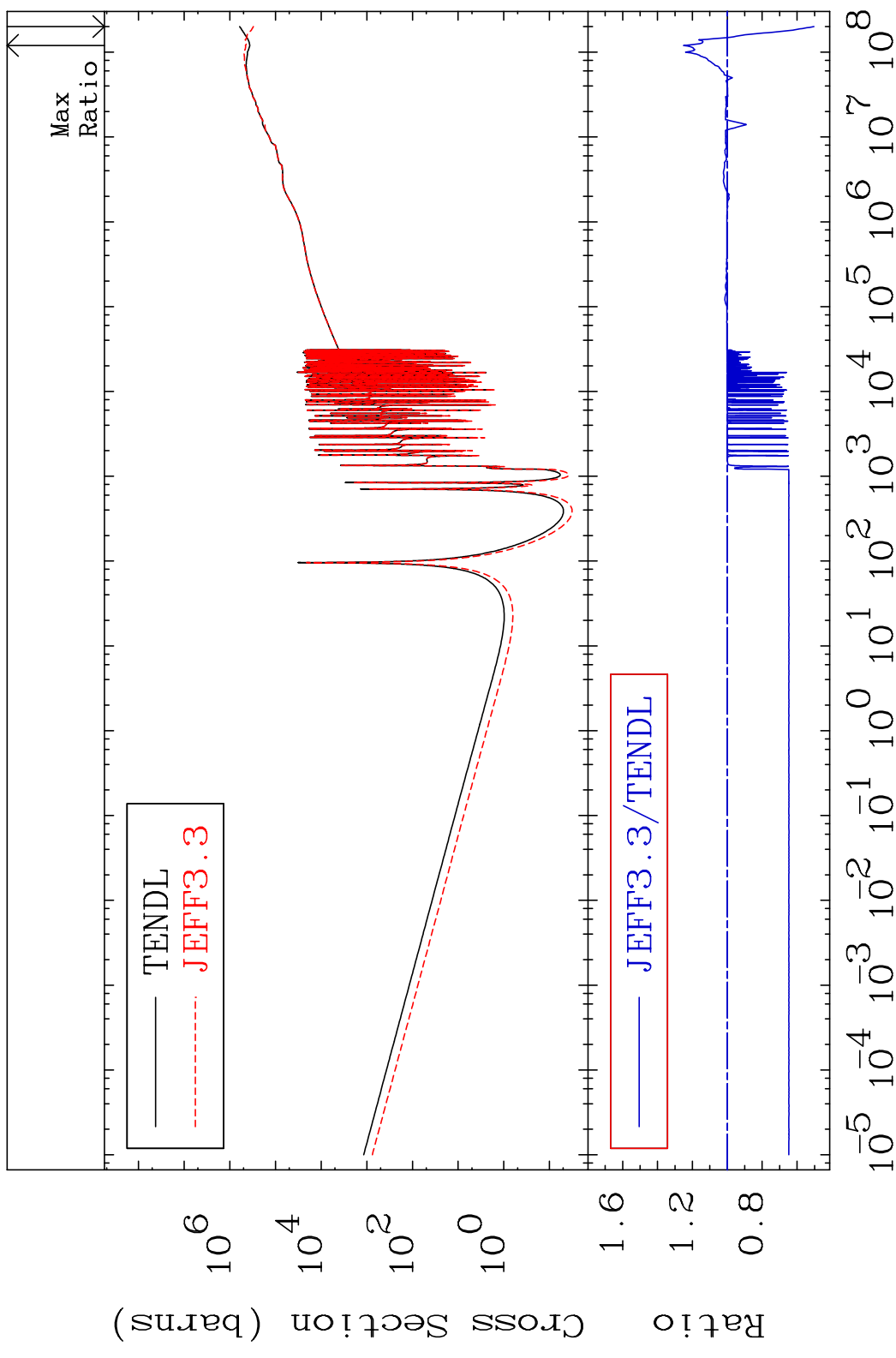
55 Incident Energy (eV) 78-Pt-198



MAT 7849 Total kinematic kerma (high limit) 78-Pt-198  
 Cross Section -21.42 To 24.50 %



MAT 7849      Dpa total (eV-barns)      78-Pt-198  
 Cross Section      -49.64 To 25.14 %

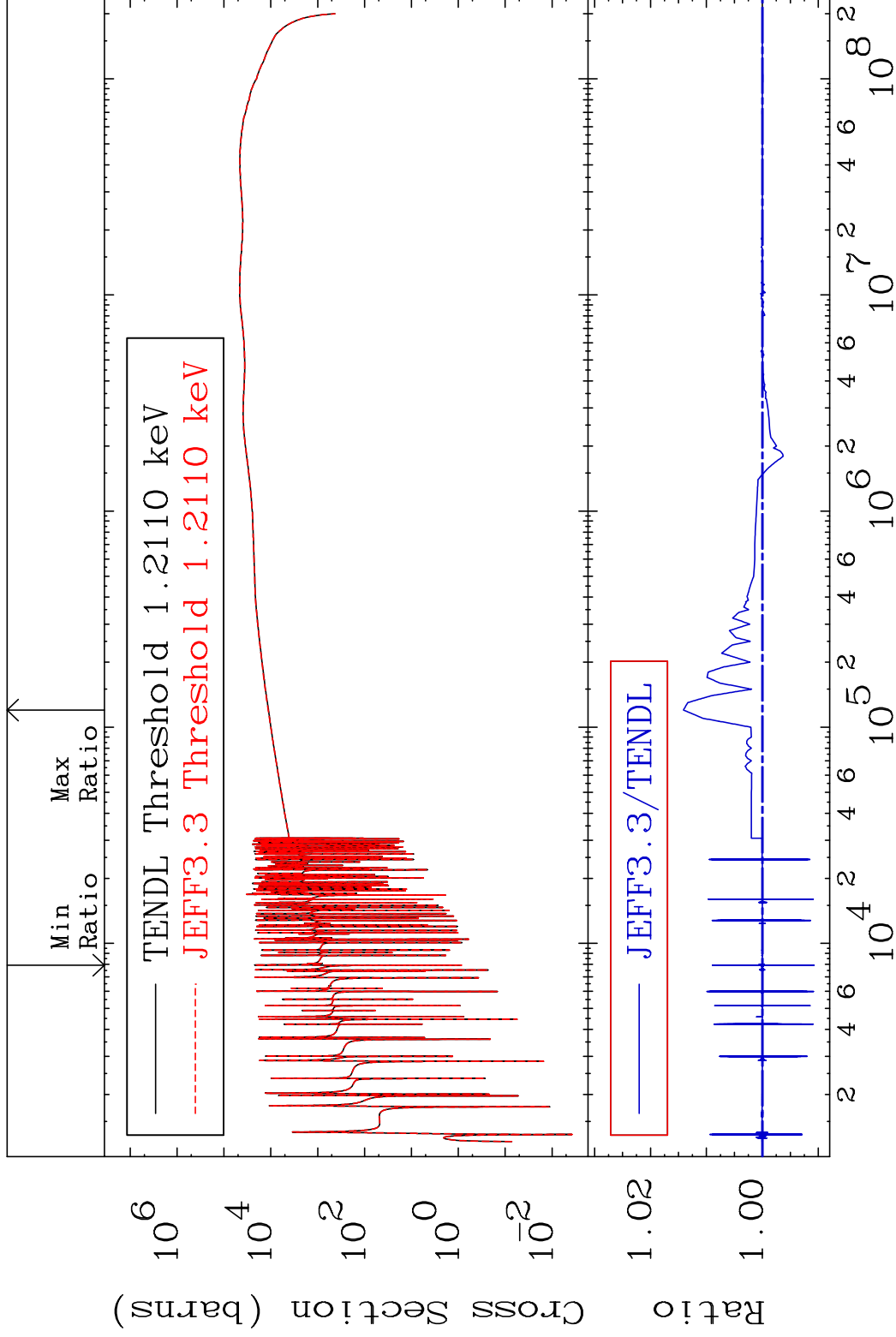


MAT 7849

Dpa elastic (mt2)

78-Pt-198

Cross Section -0.922 To 1.410 %

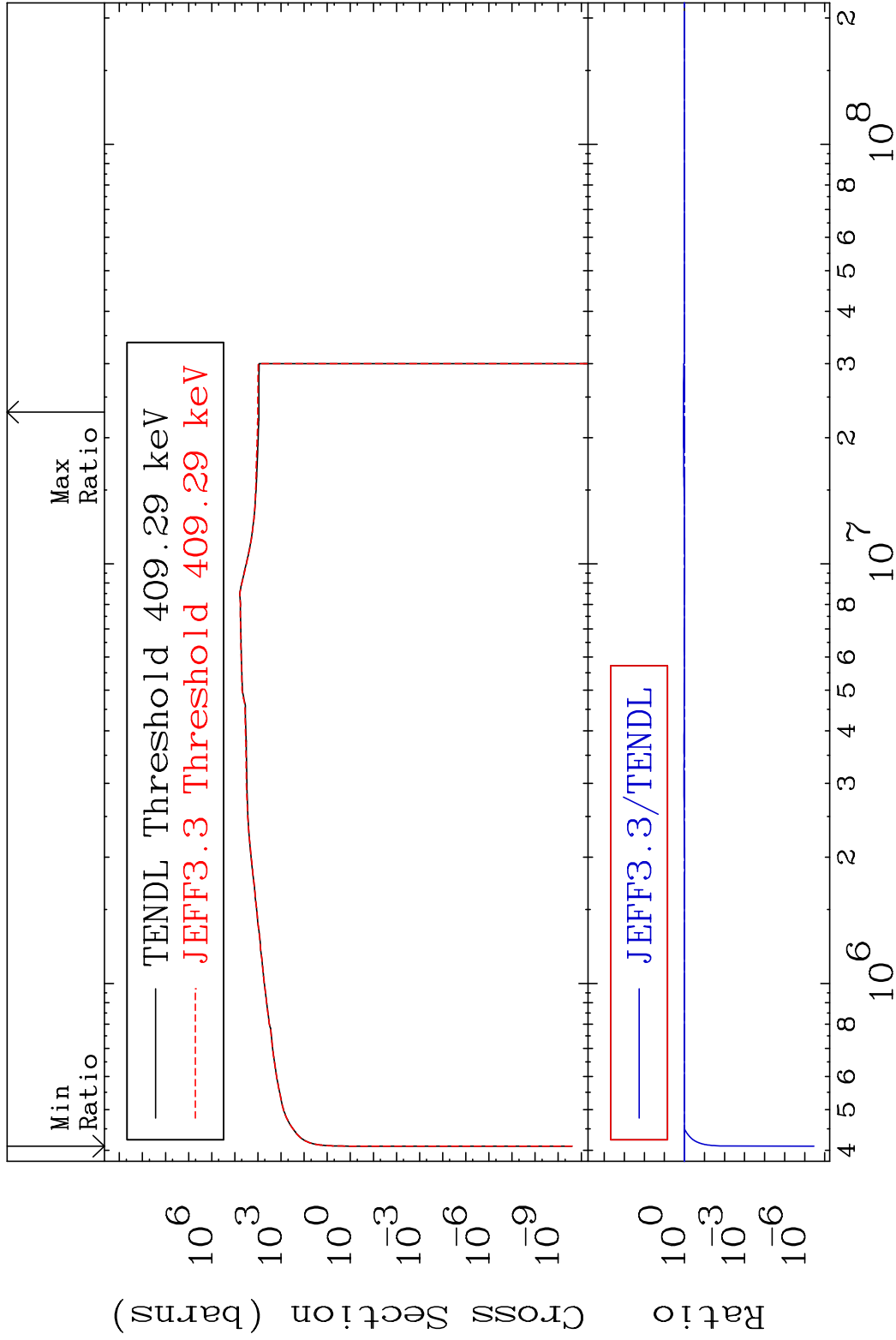


58

Incident Energy (eV)

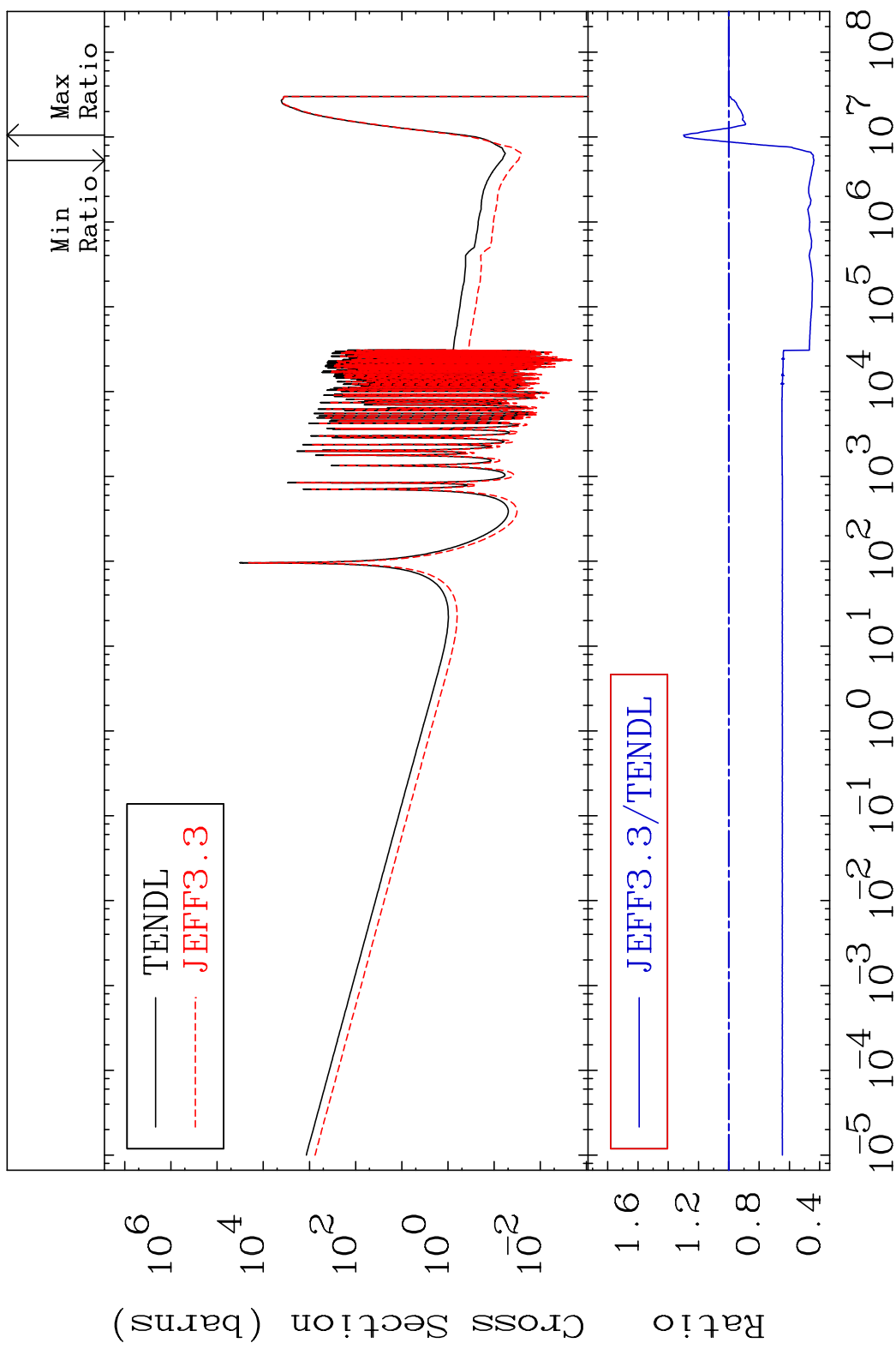
78-Pt-198

MAT 7849 Dpa inelastic (mt51-91) 78-Pt-198  
 Cross Section -100.0 To 11.92 %



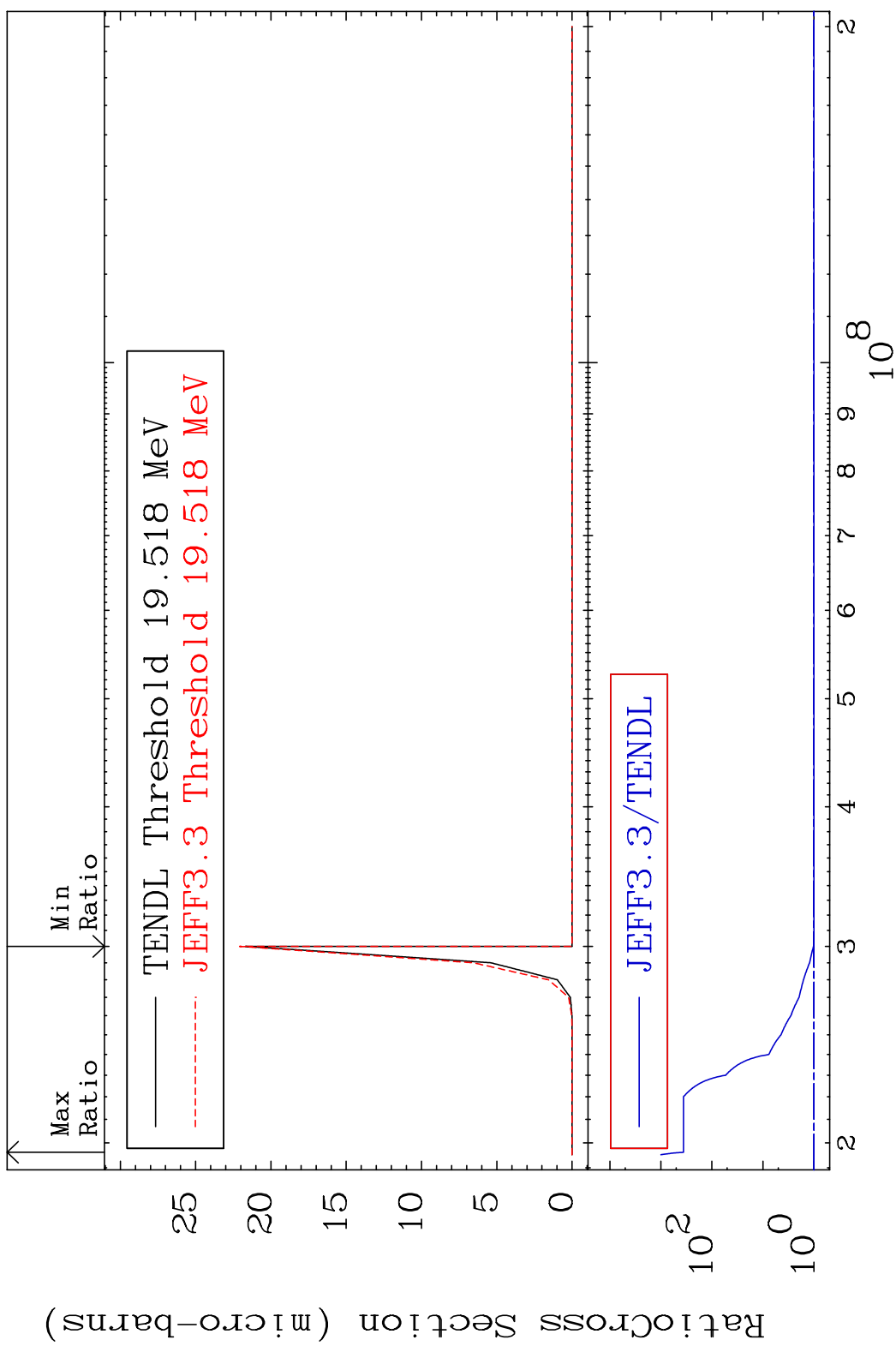
59 Incident Energy (eV) 78-Pt-198

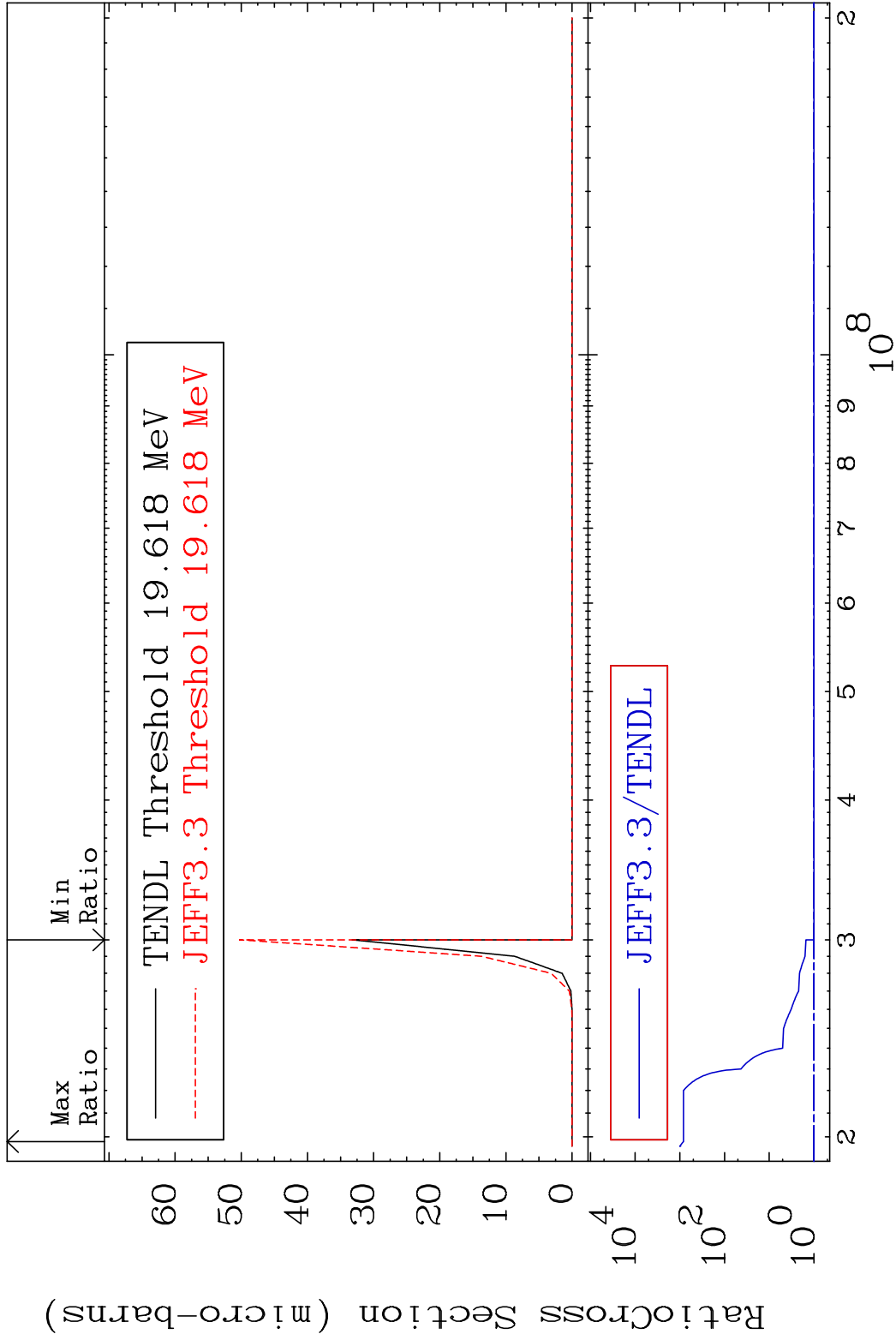
MAT 7849 Dpa disappearance (mt102 -120) 78-Pt-198  
 Cross Section -56.16 To 29.95 %



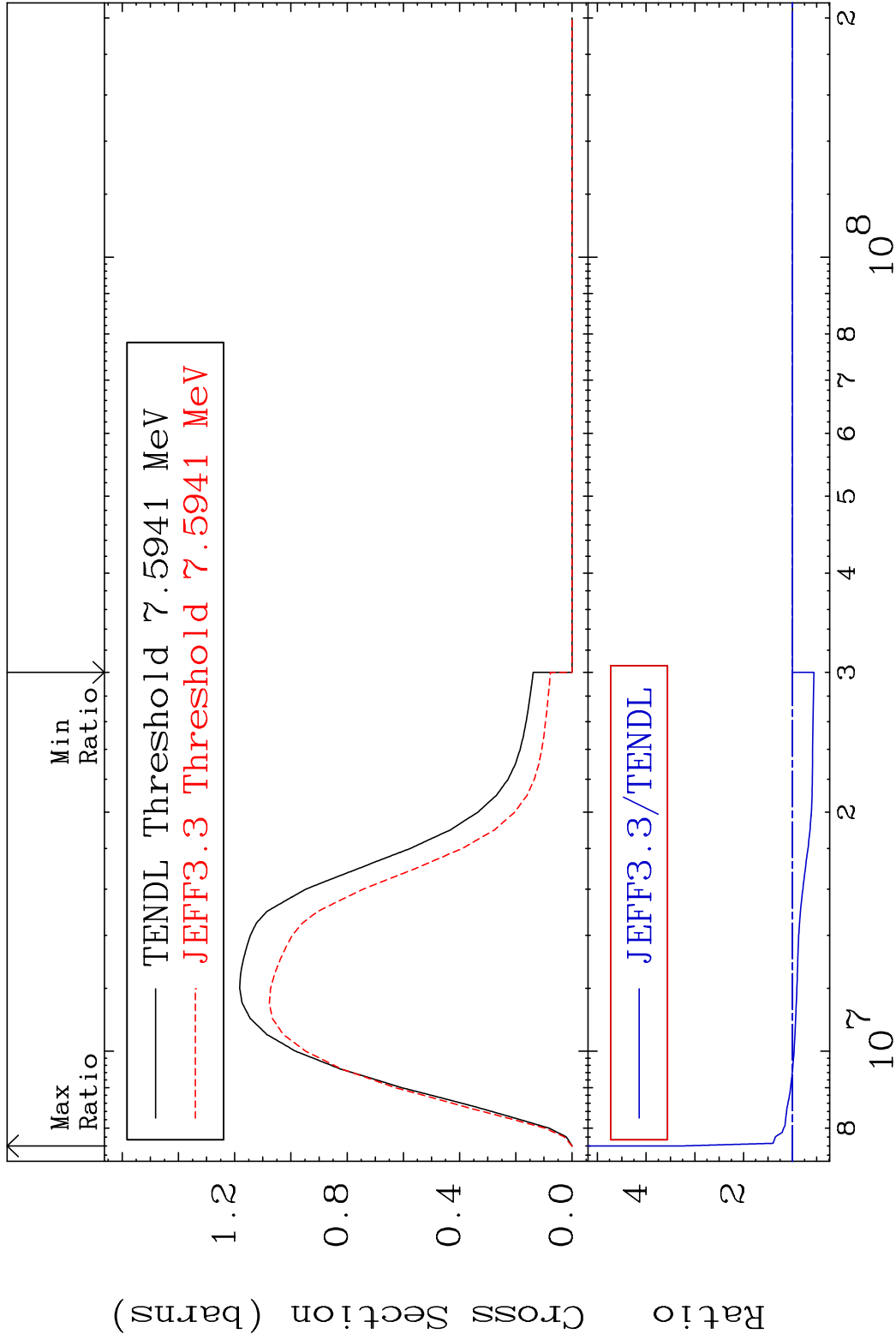
60 Incident Energy (eV) 78-Pt-198

MAT 7849 (n,2n) d:77-Ir-195g 78-Pt-198  
 Radionuclide Production Cross Section 9999. %





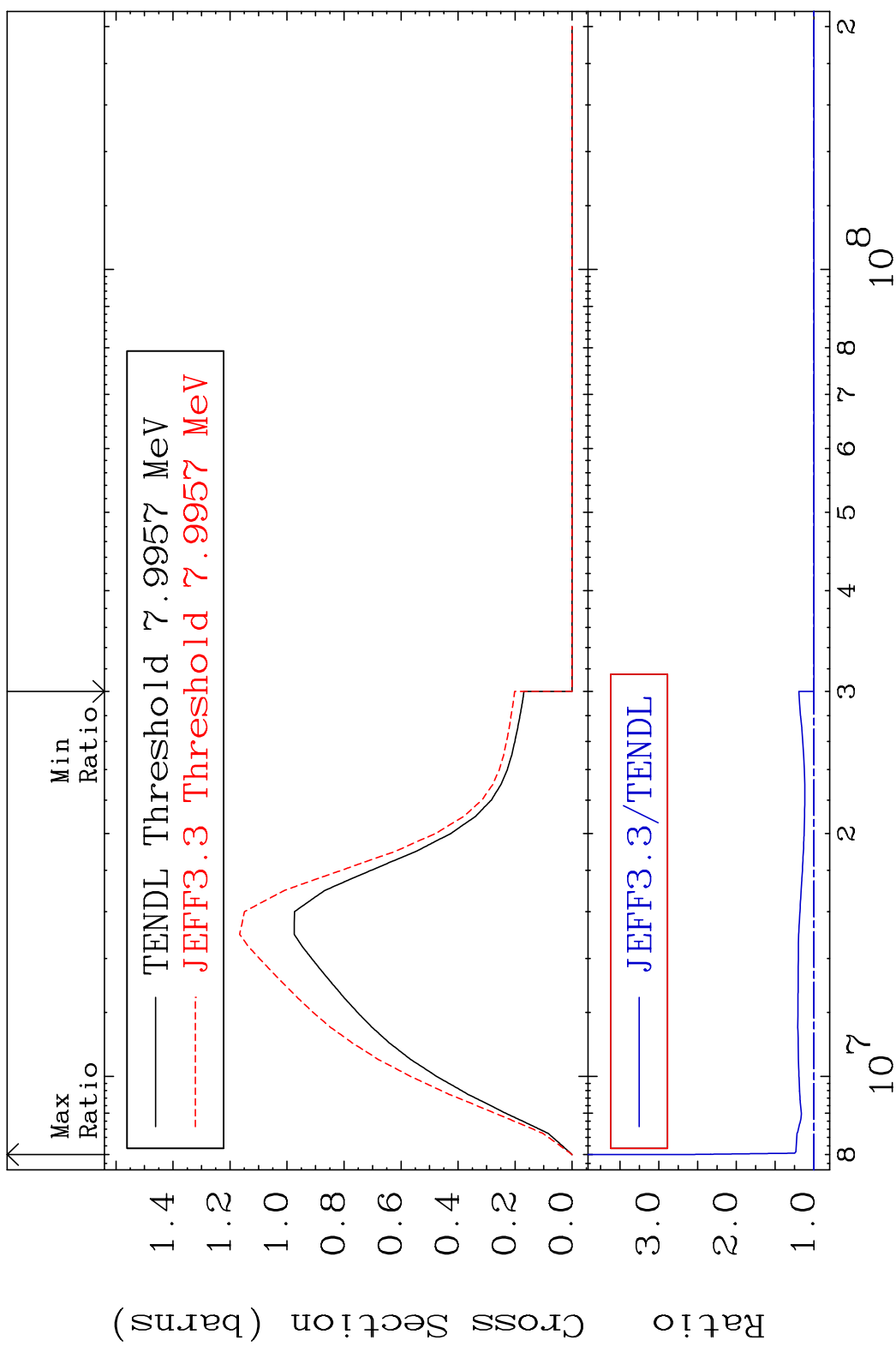
MAT 7849 (n,2n): 78-Pt-197g 78-Pt-198  
 Radionuclide Production Cross Section 4.616 d to 223.4 %

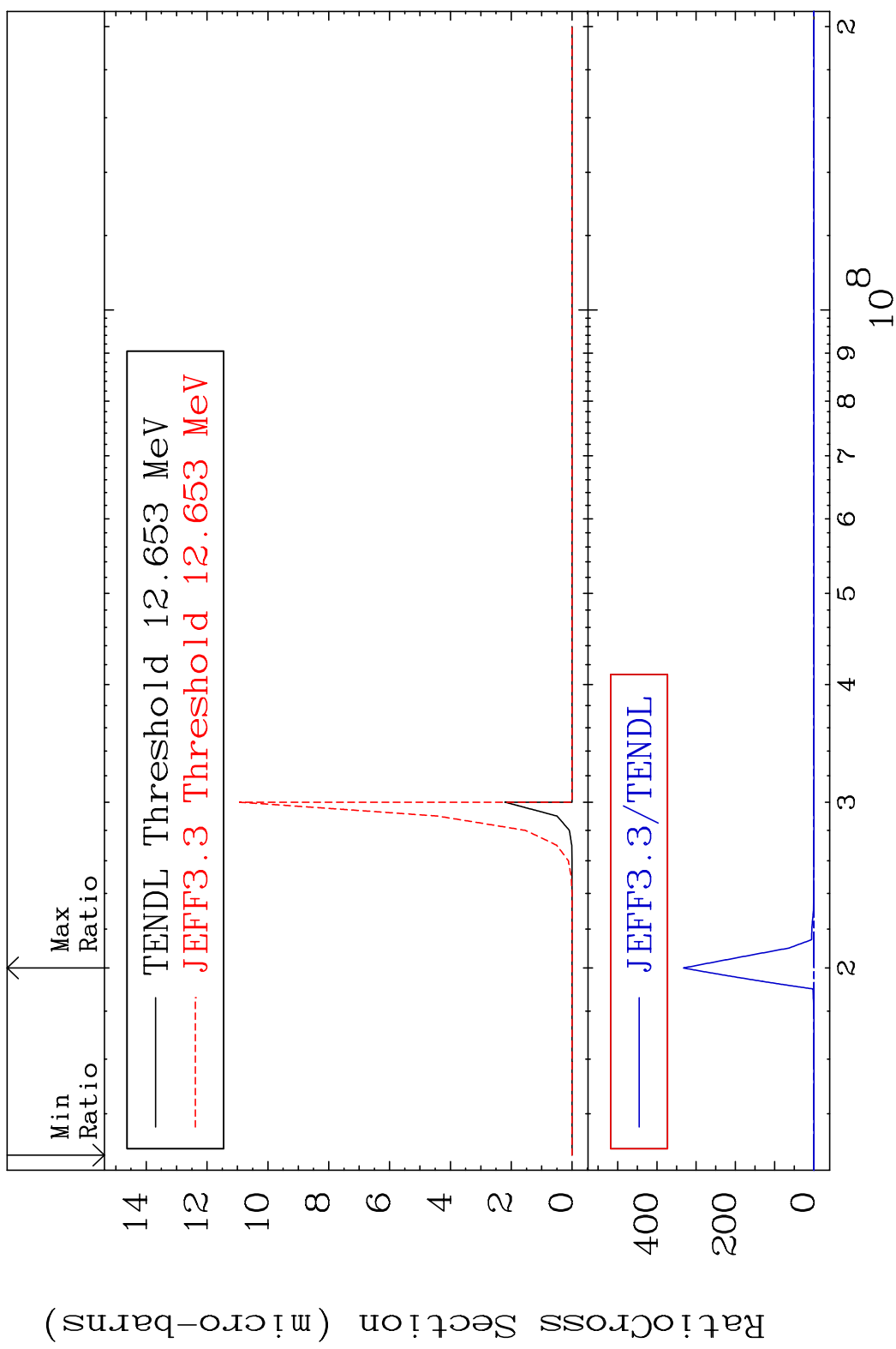


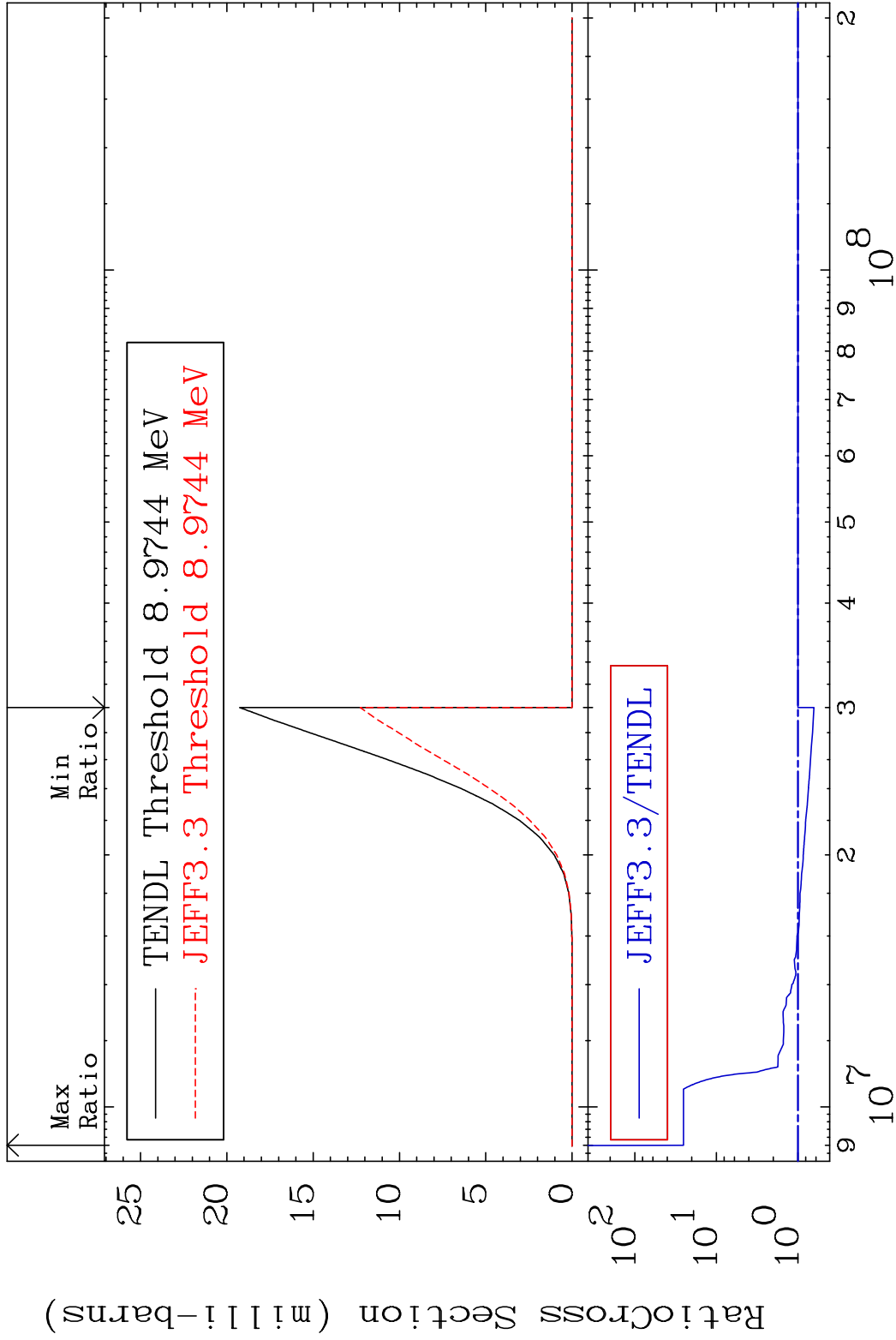
63 Incident Energy (eV) 78-Pt-198

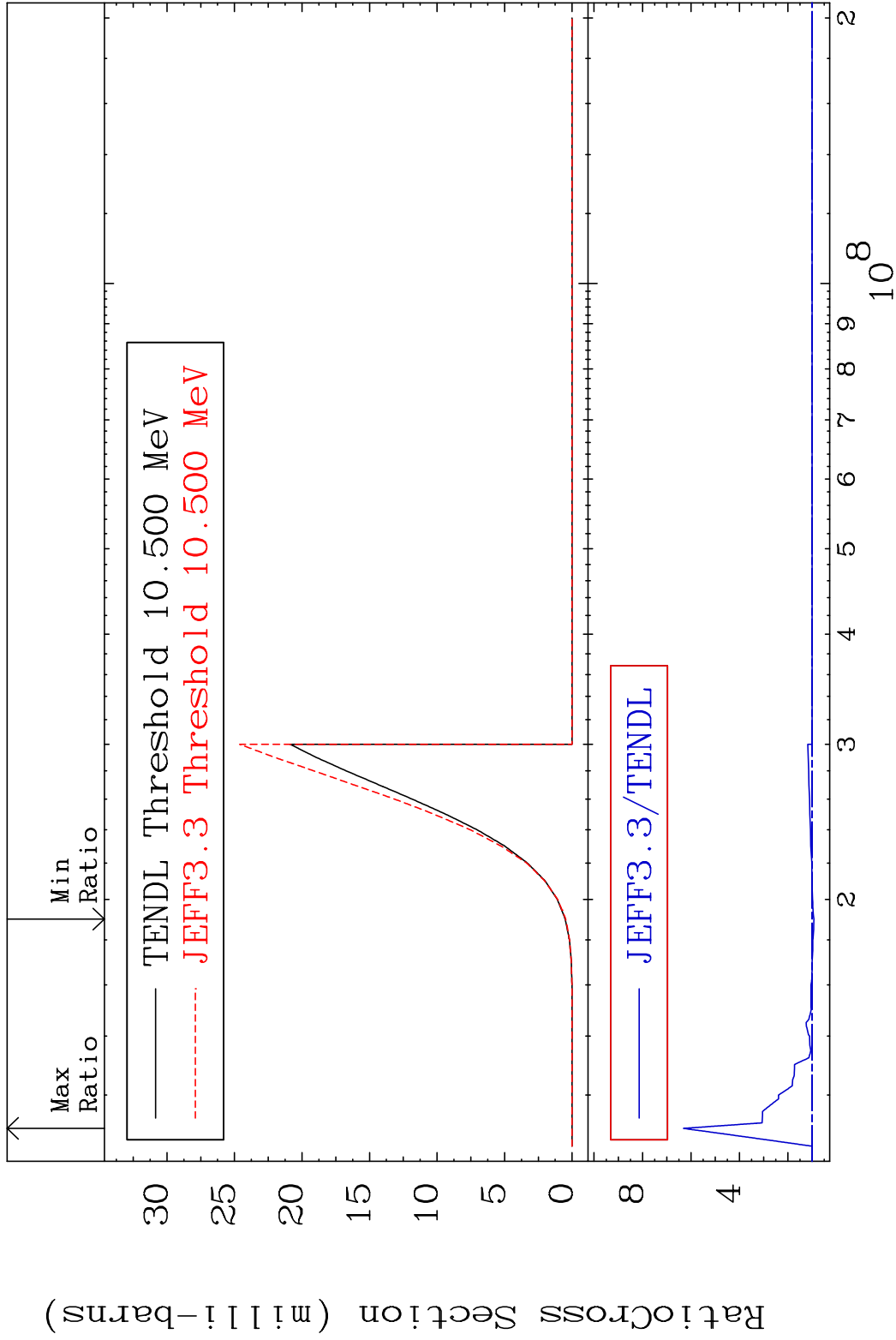


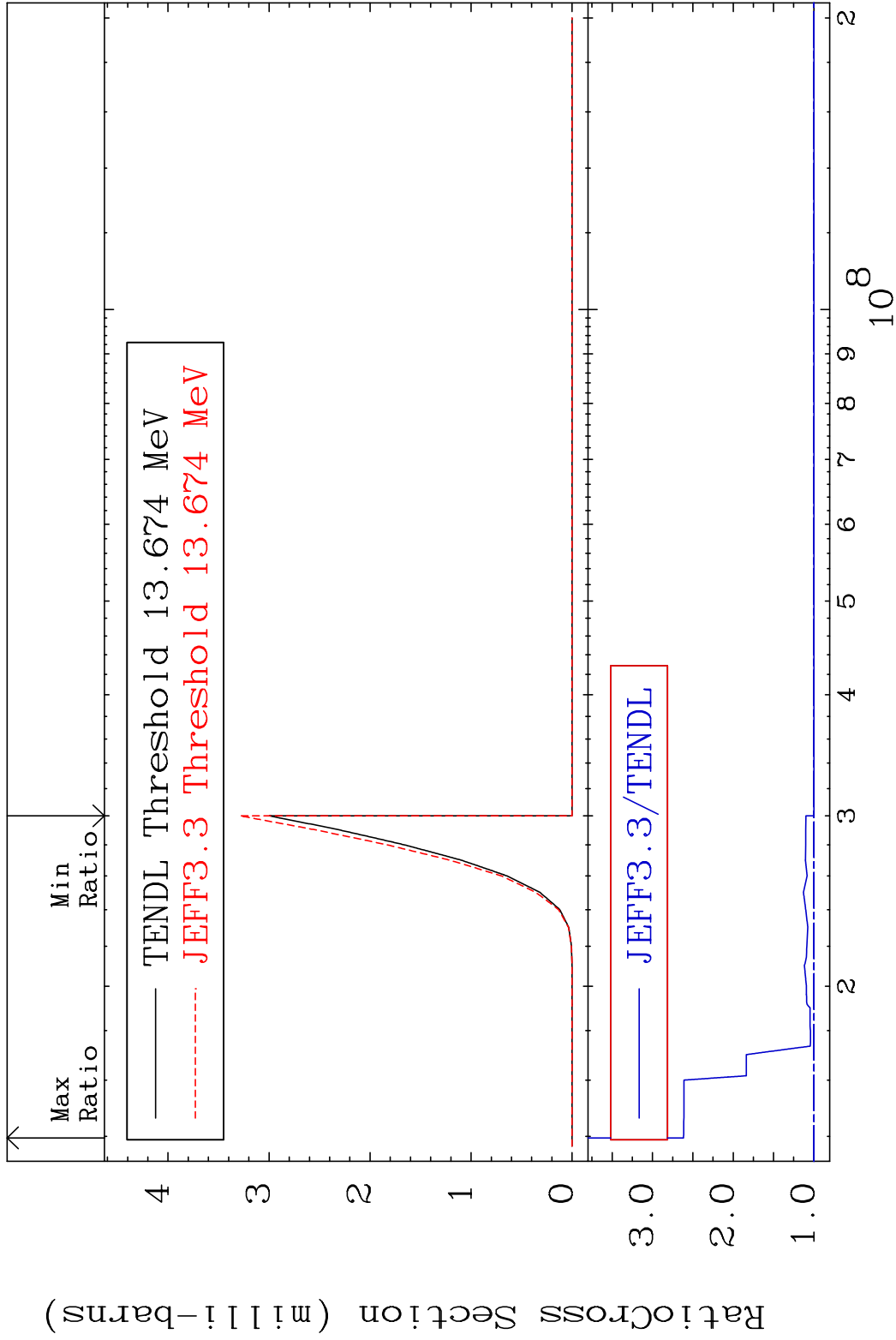
MAT 7849 (n,2n):78-Pt-197m9 78-Pt-198  
 Radionuclide Production Cross Section 168.2 %

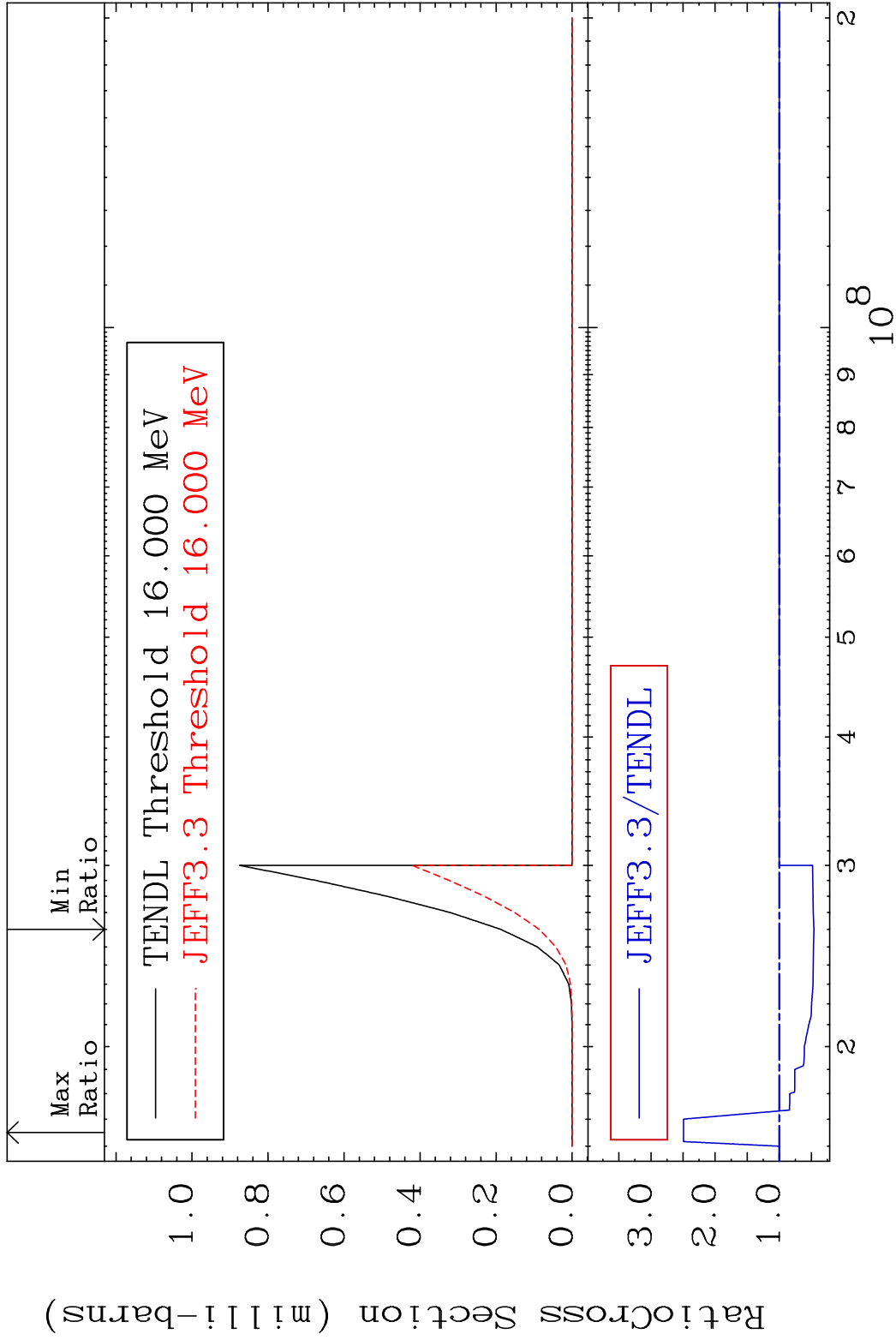




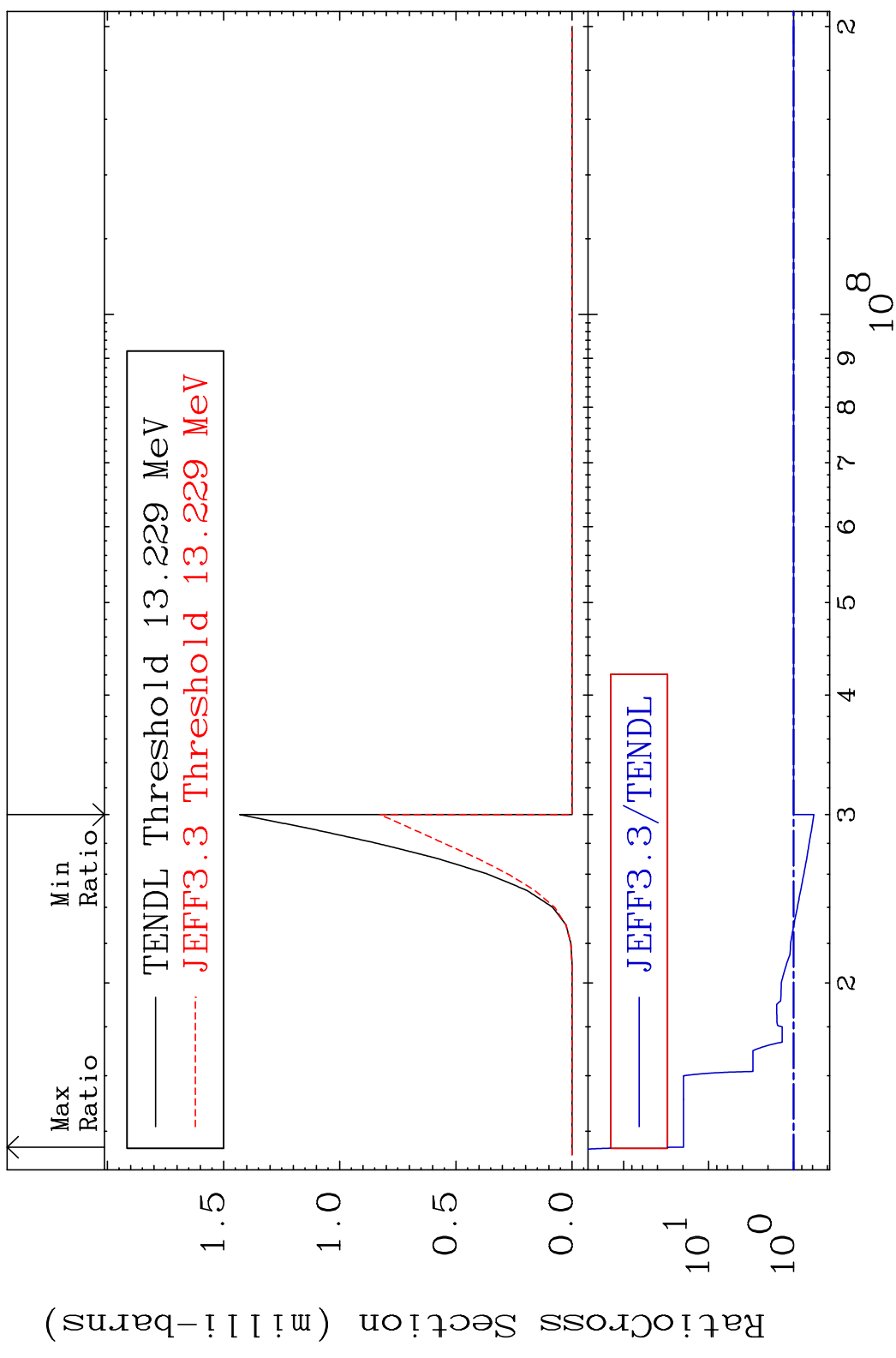






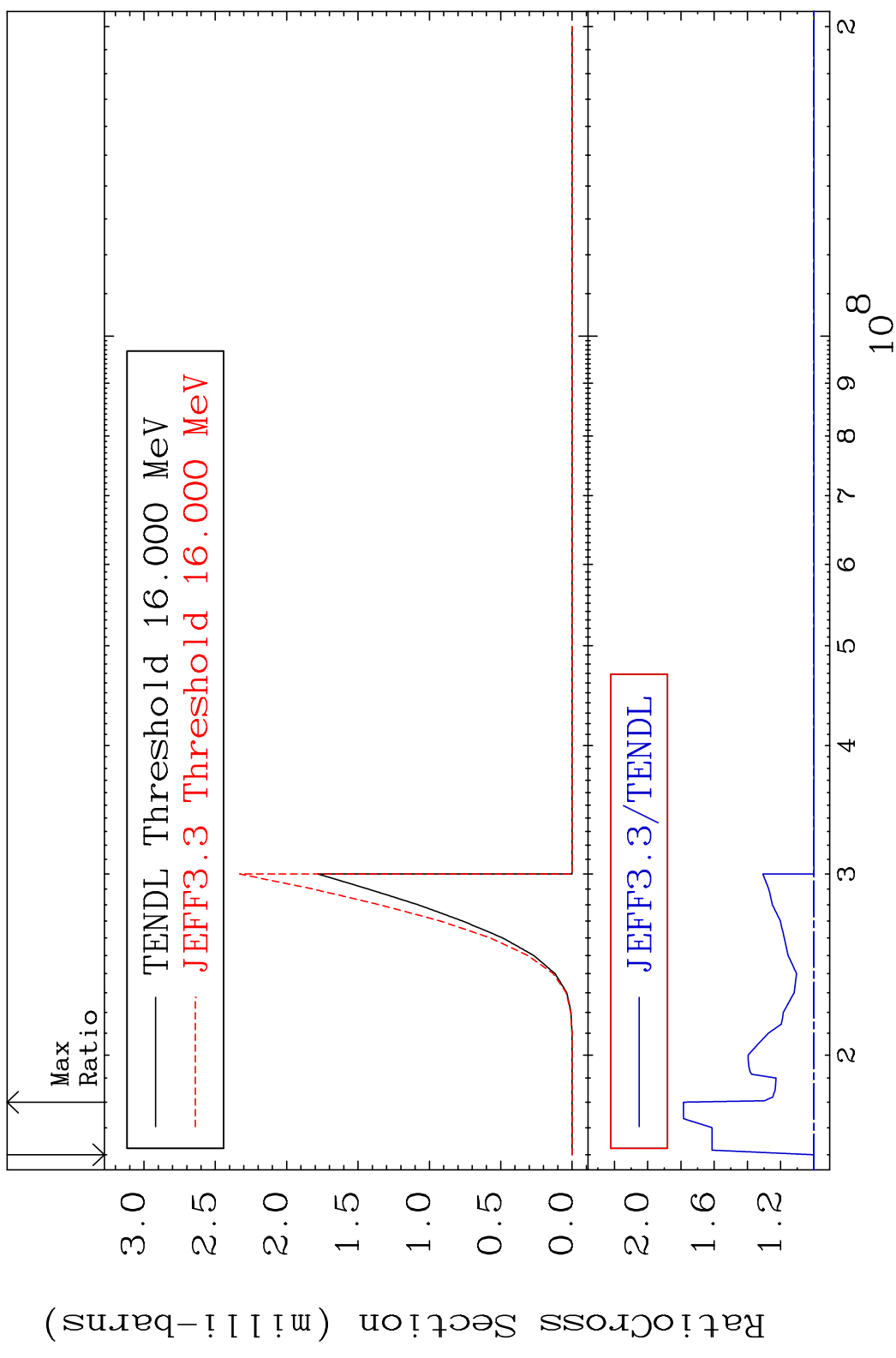


MAT 7849 (n, n') t:77-Ir-195g 78-Pt-198  
 Radionuclide Production Cross Section 4267i dlo 1881. %



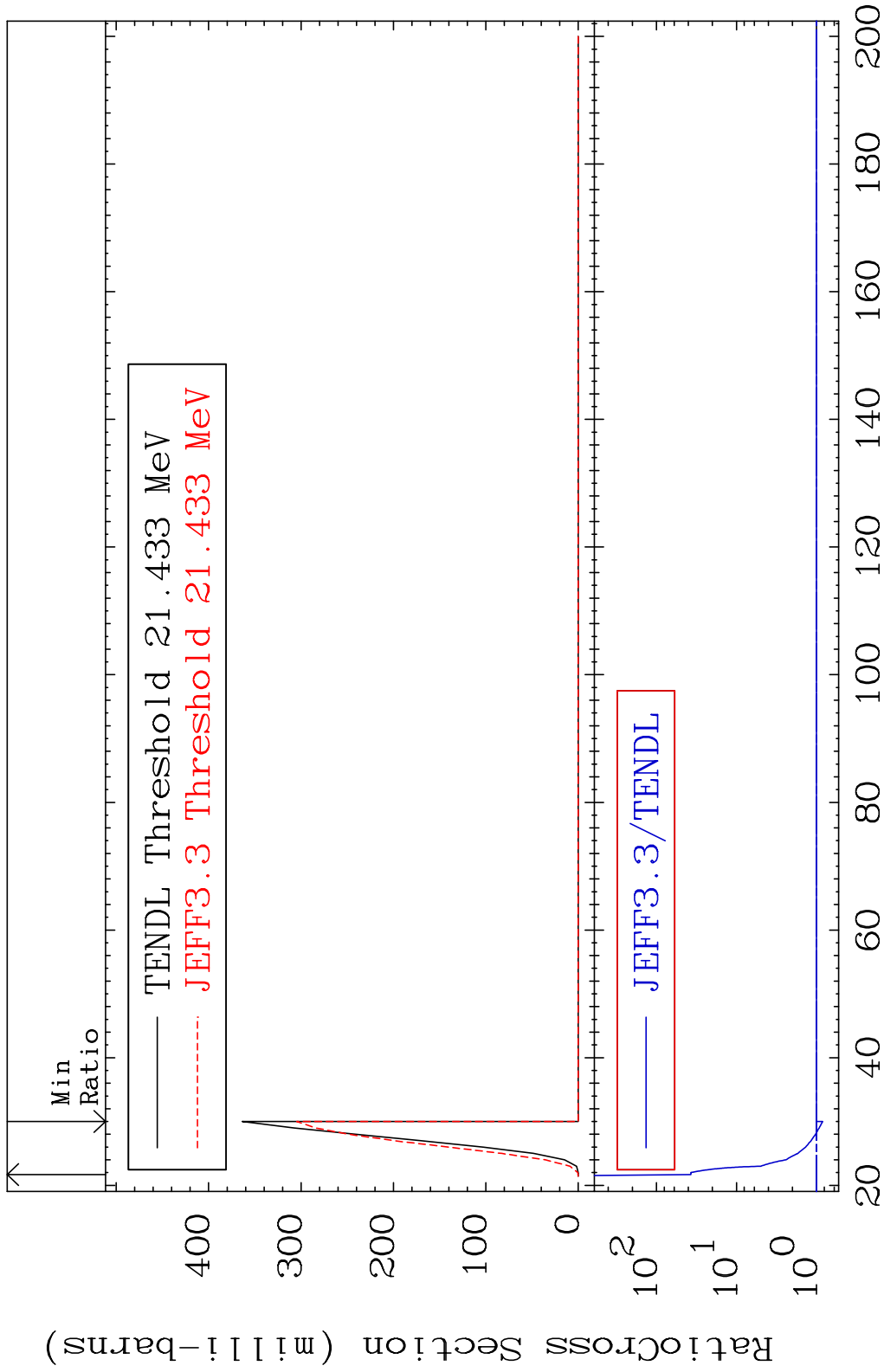
70 Incident Energy (eV) 78-Pt-198

MAT 7849 (n, n') t:77-Ir-195m2 78-Pt-198  
 Radionuclide Production Cross Section 78.48 %



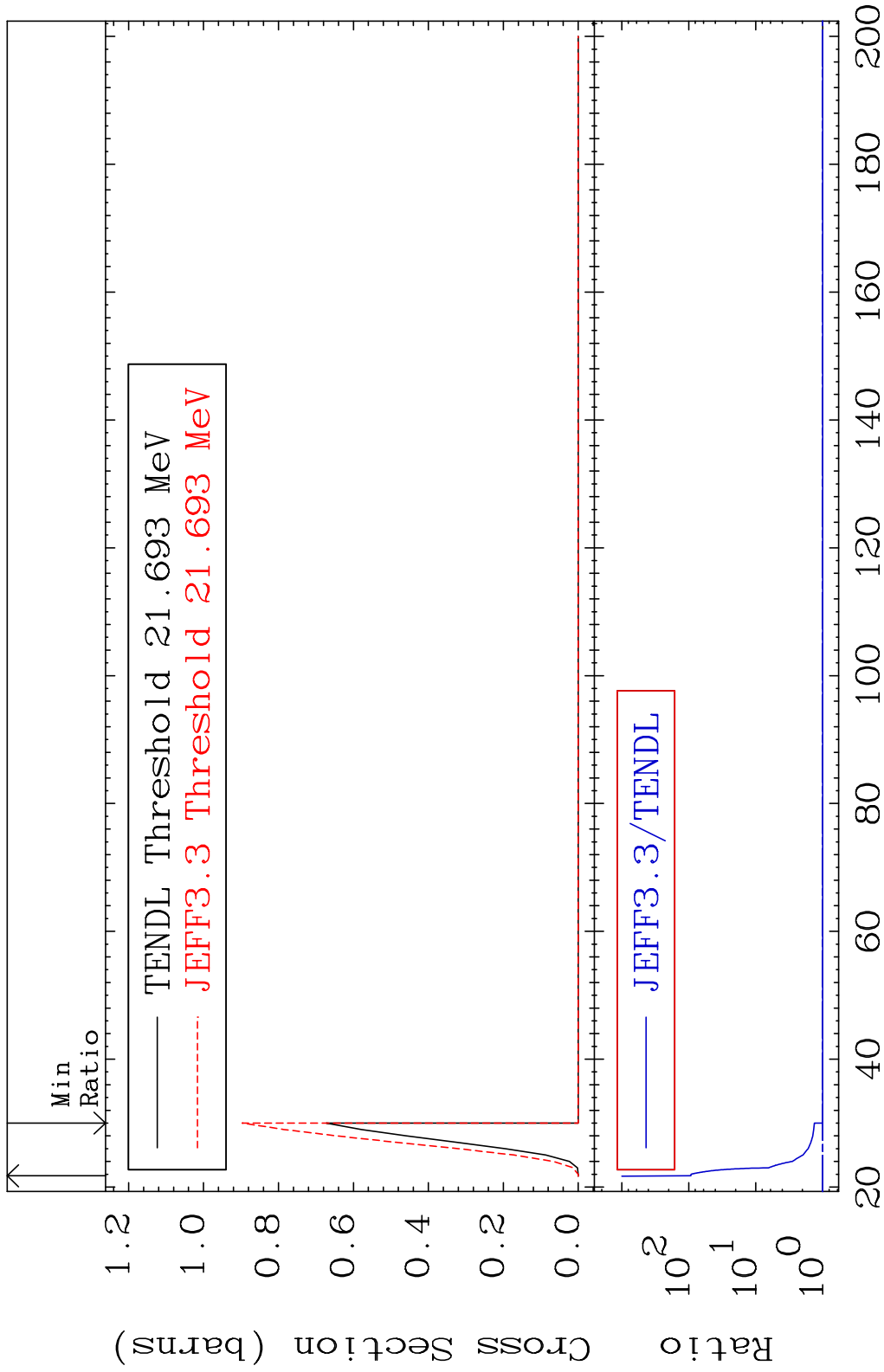


MAT 7849 (n, 4n) : 78-Pt-195g 78-Pt-198  
 Radionuclide Production Cross Section 3622. %

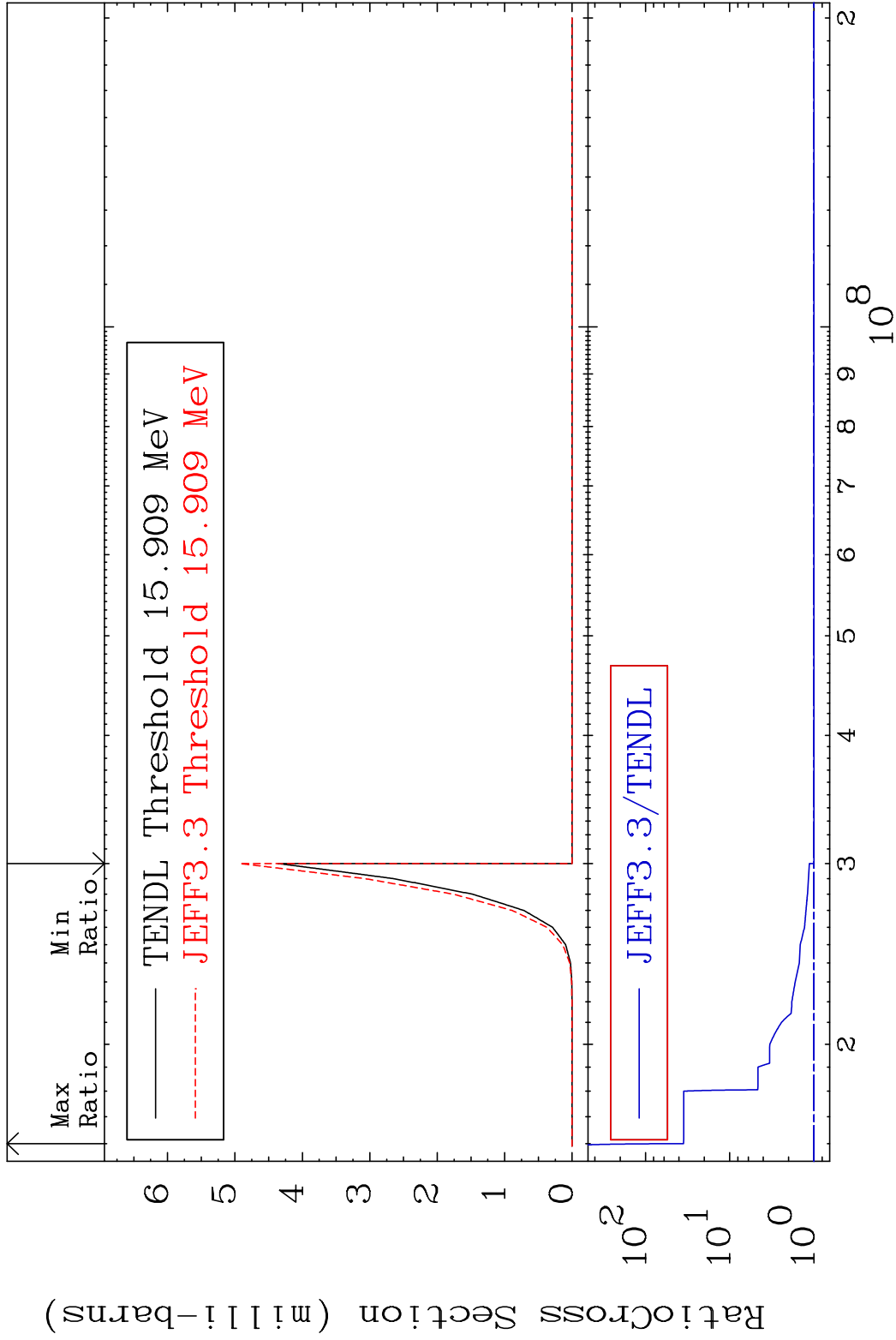


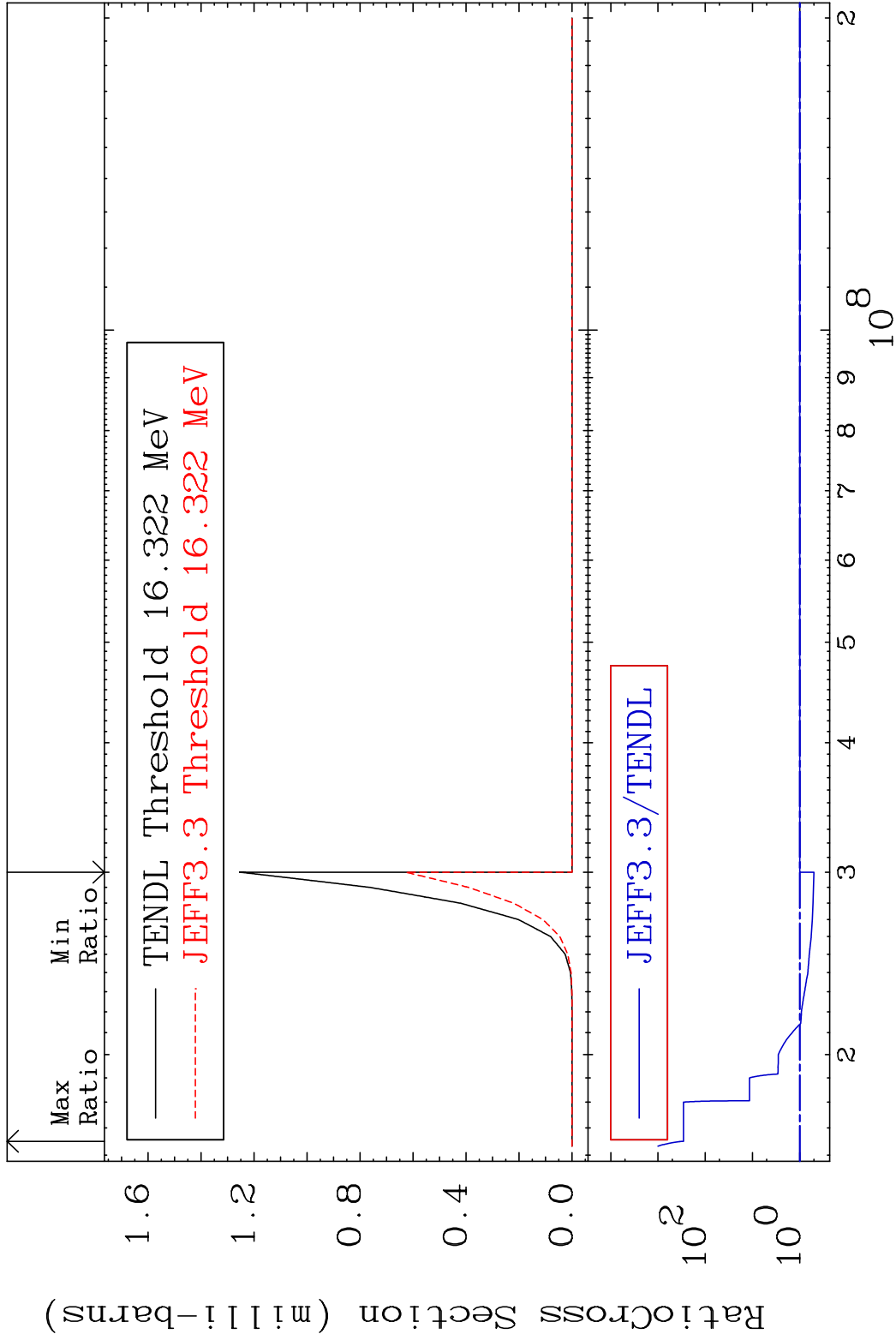
72 Incident Energy (MeV) 78-Pt-198

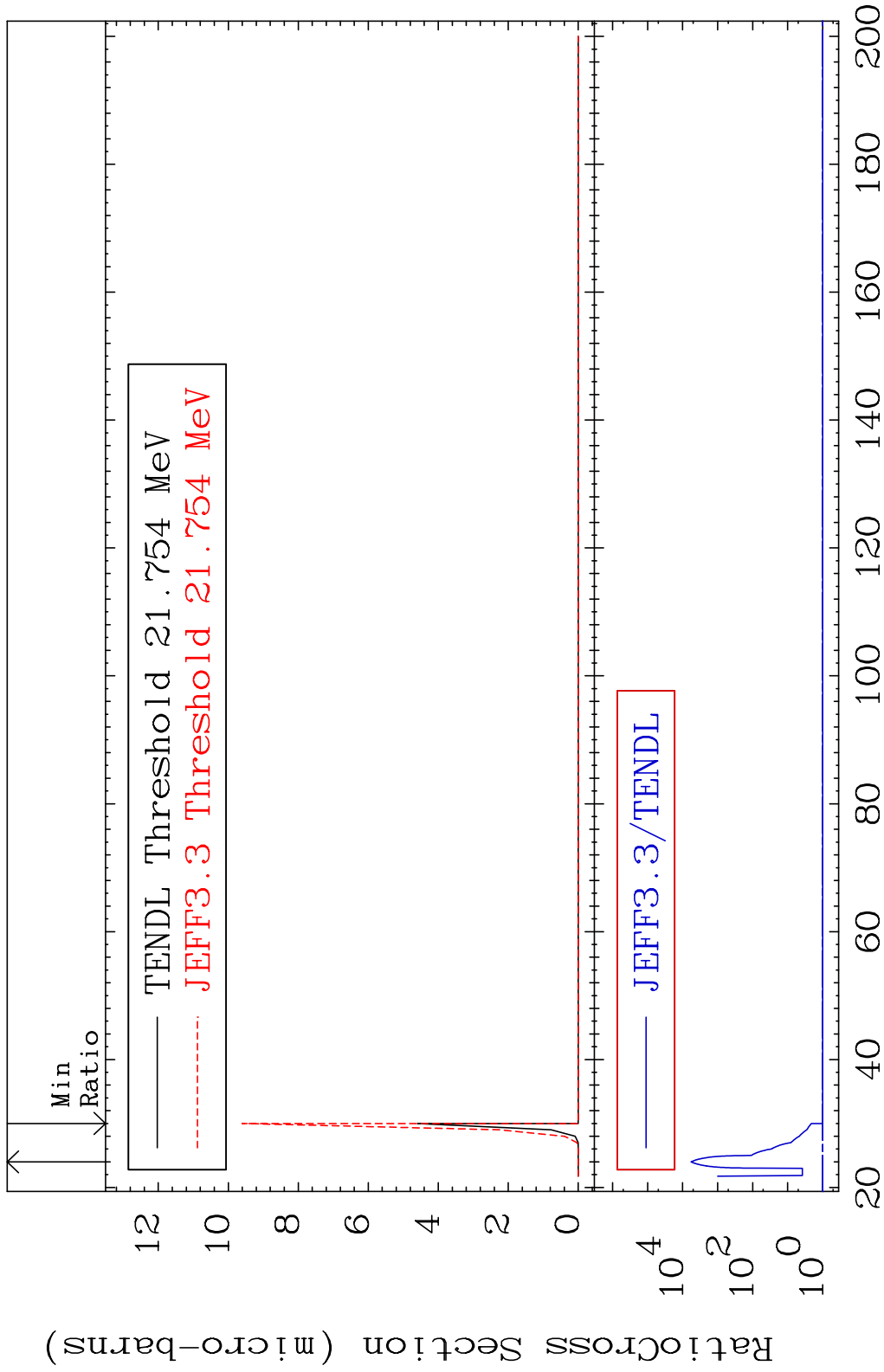
MAT 7849 (n, 4n): 78-Pt-195m7 78-Pt-198  
 Radionuclide Production Cross Section 9210. %

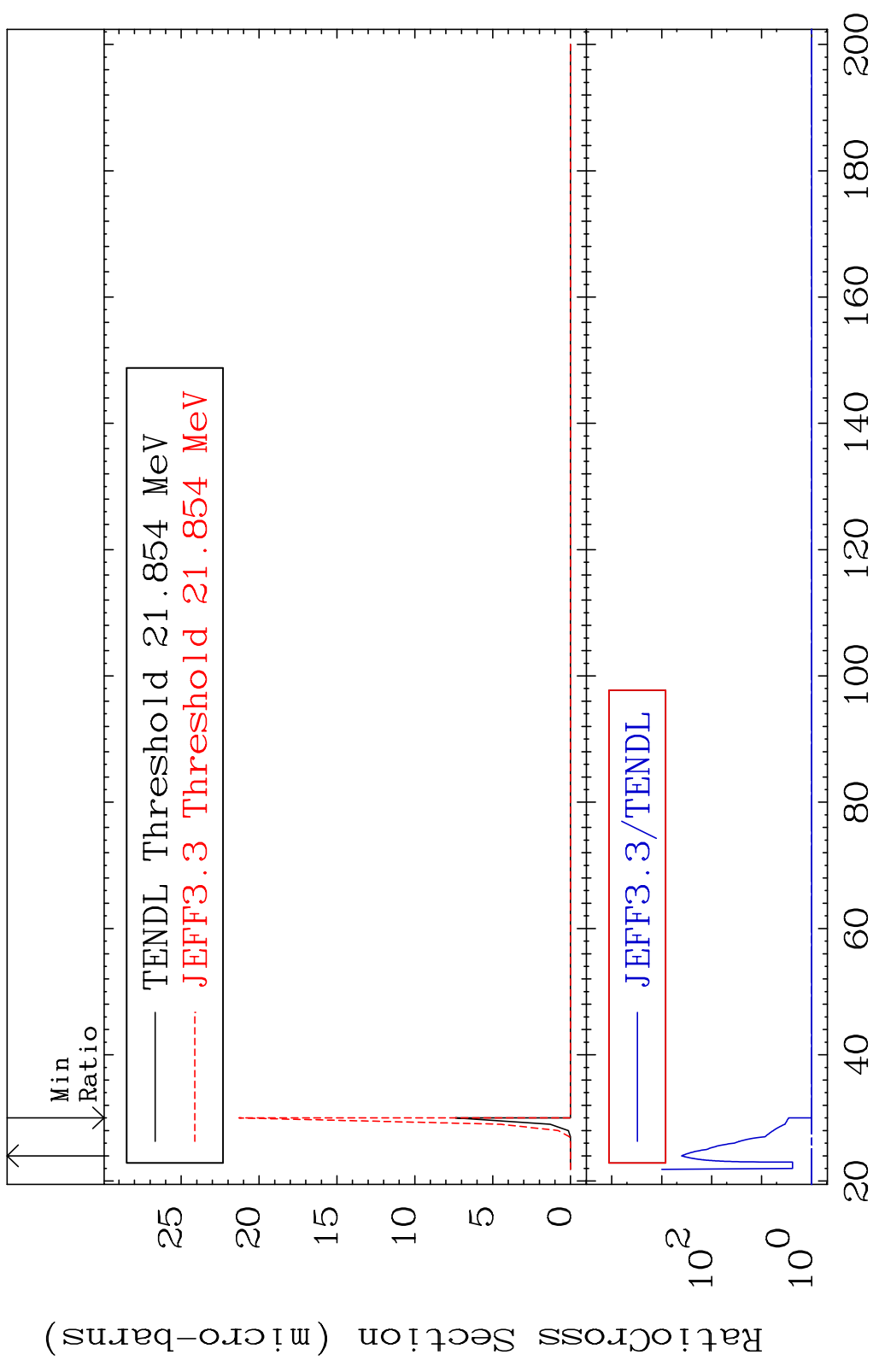


73 78-Pt-198

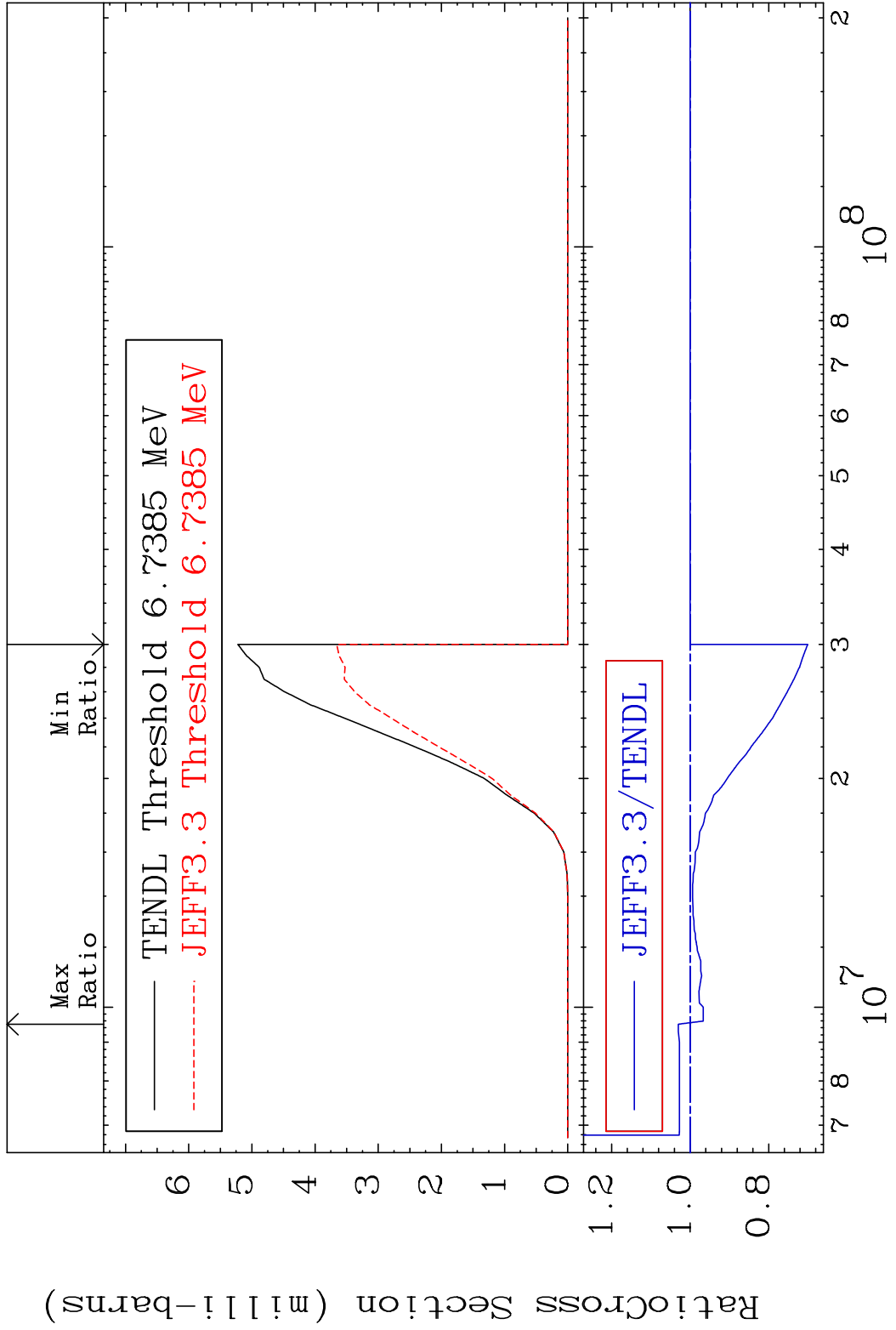






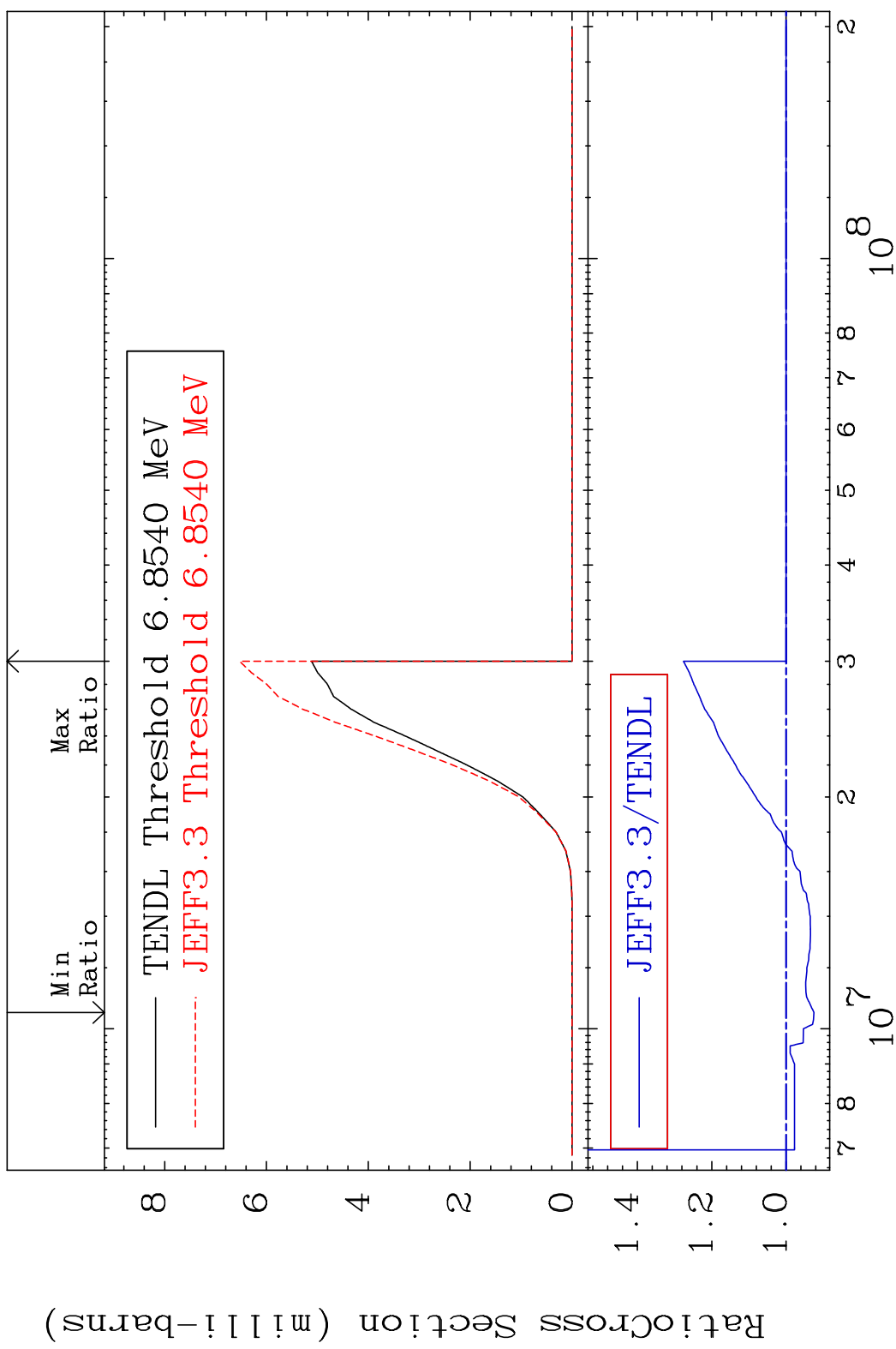


MAT 7849 (n,d):77-Ir-197g 78-Pt-198  
 Radionuclide Production Cross Section 3.014 %



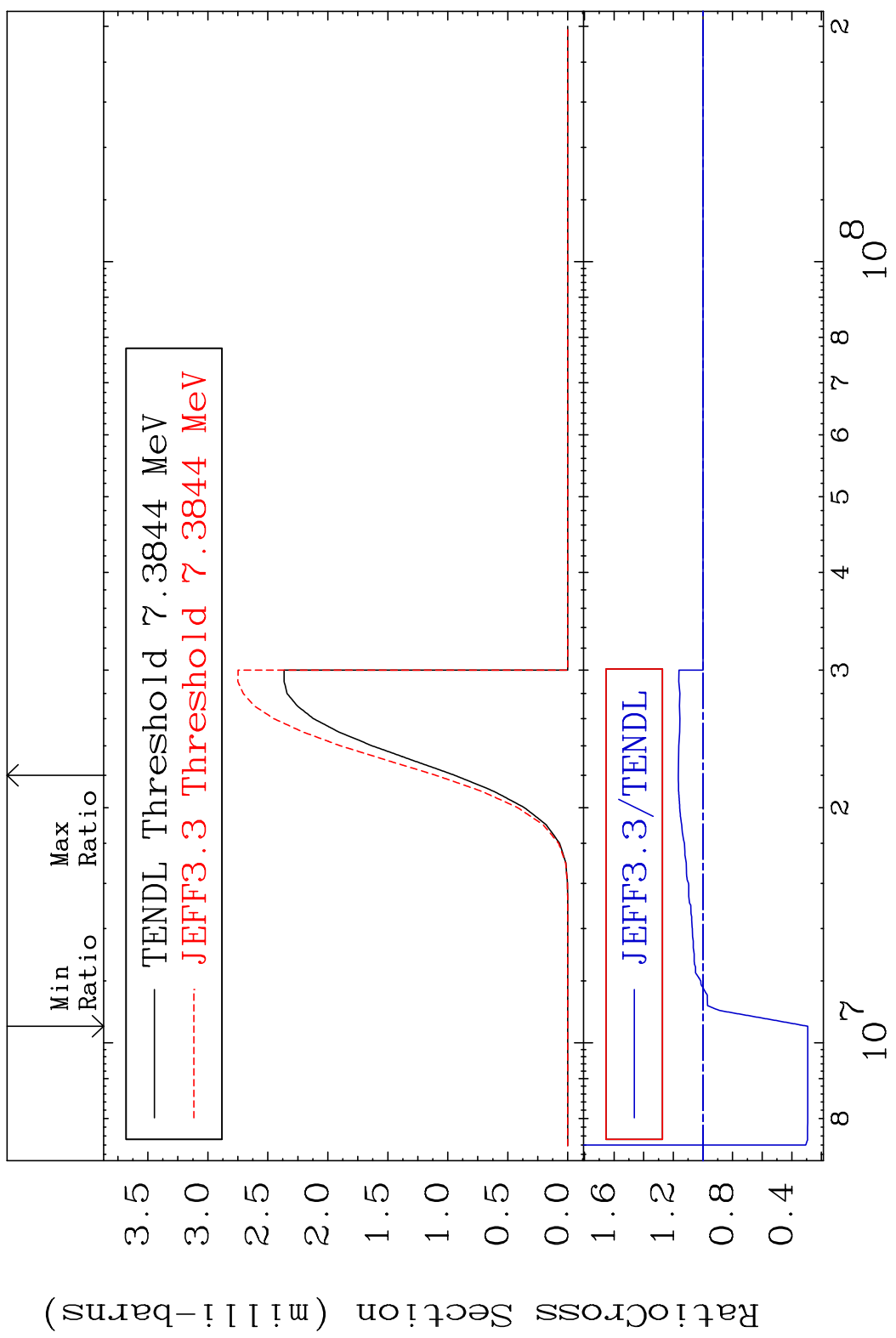
78 Incident Energy (eV) 78-Pt-198

MAT 7849 (n,d):77-Ir-197m2 78-Pt-198  
 Radionuclide Production Cross Section 27.61 %

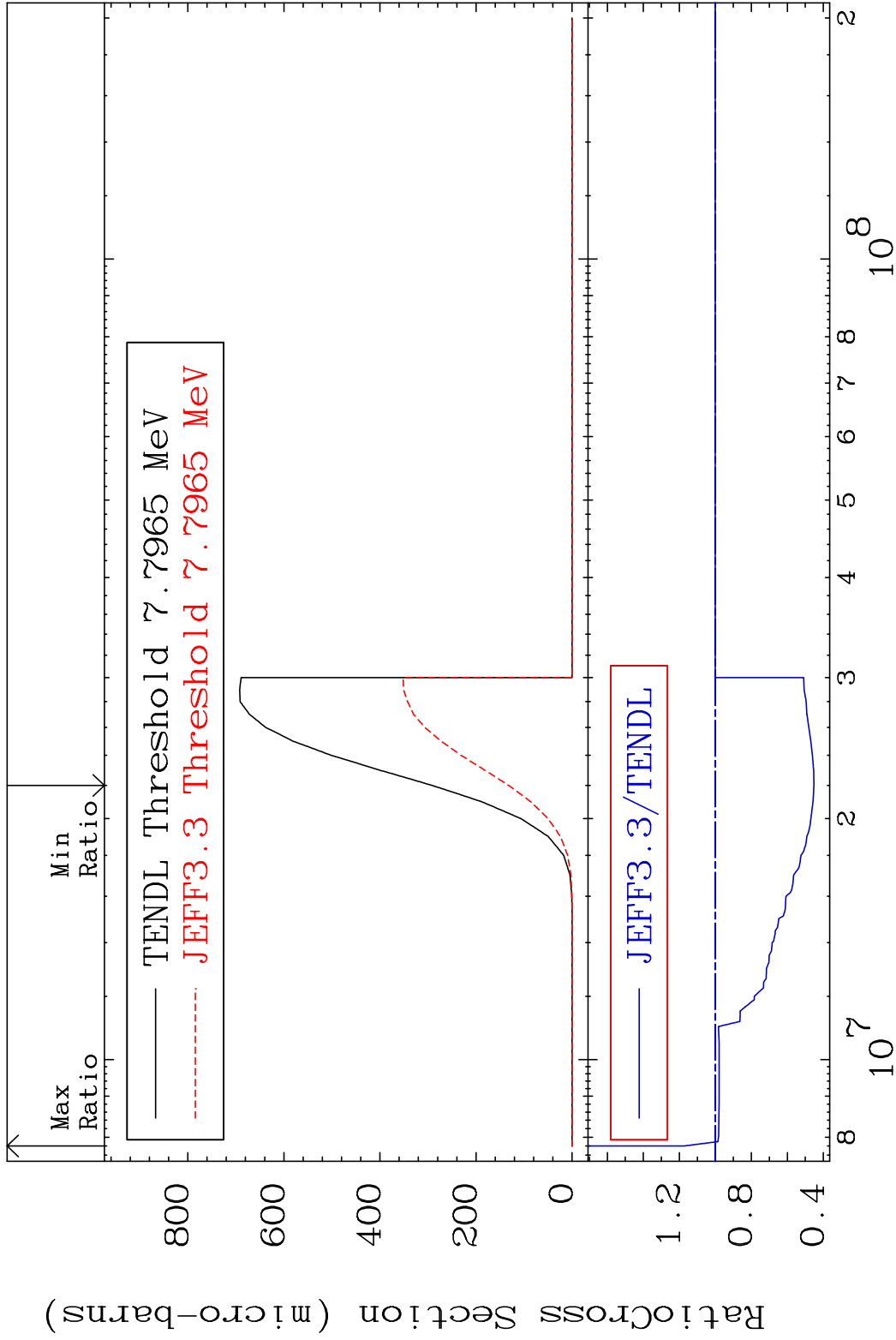


79 Incident Energy (eV) 78-Pt-198



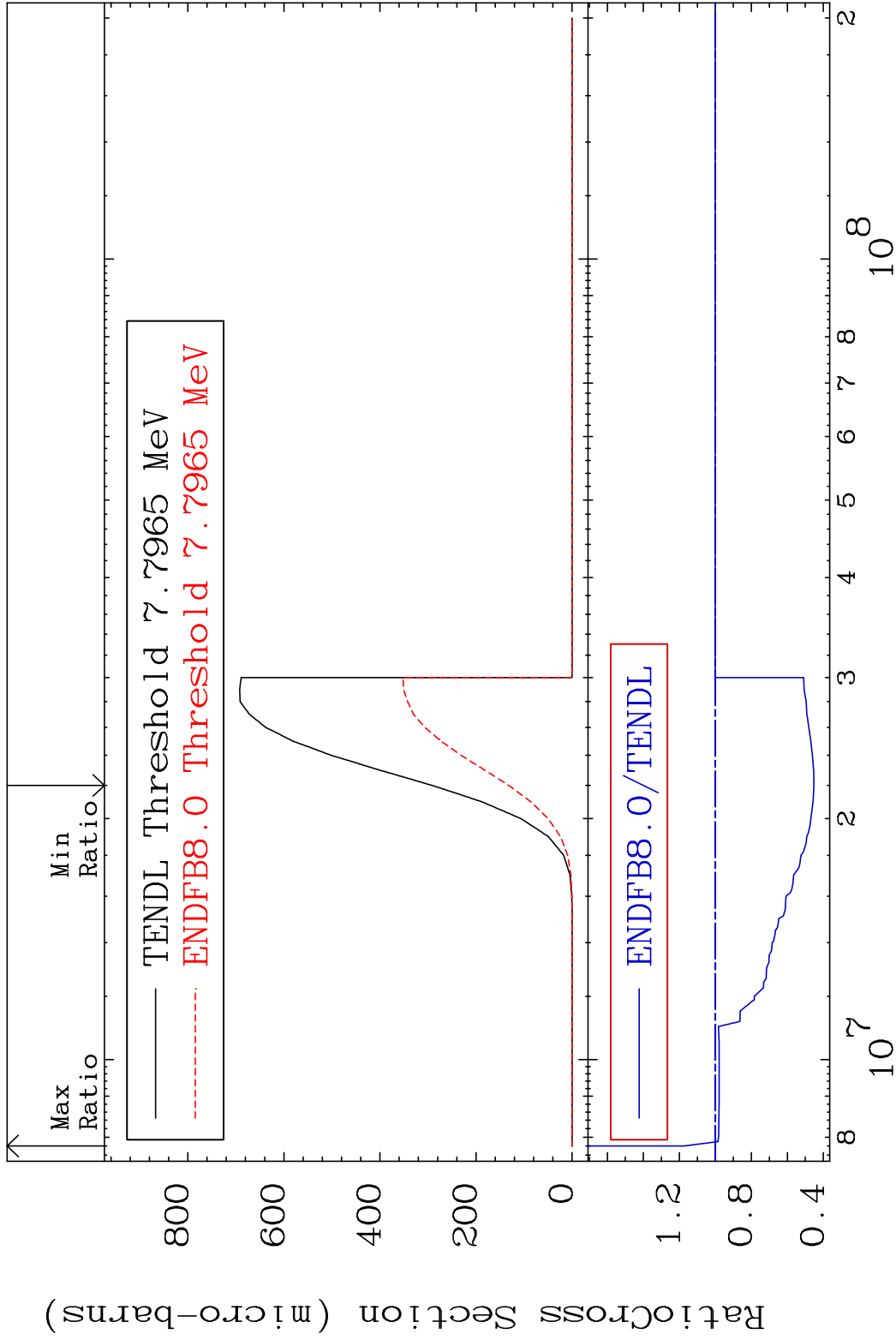


MAT 7849 (n, t): 77-Ir-196m4 78-Pt-198  
 Radionuclide Production Cross Section 58.74 dpo 17.72 %



81 Incident Energy (eV) 78-Pt-198

MAT 7849 (n, t): 77-Ir-196m4 78-Pt-198  
 Radionuclide Production Cross Section 58.74 dpo 17.72 %



82 Incident Energy (eV) 78-Pt-198