

Program Complot
(Version 2018-1)

by

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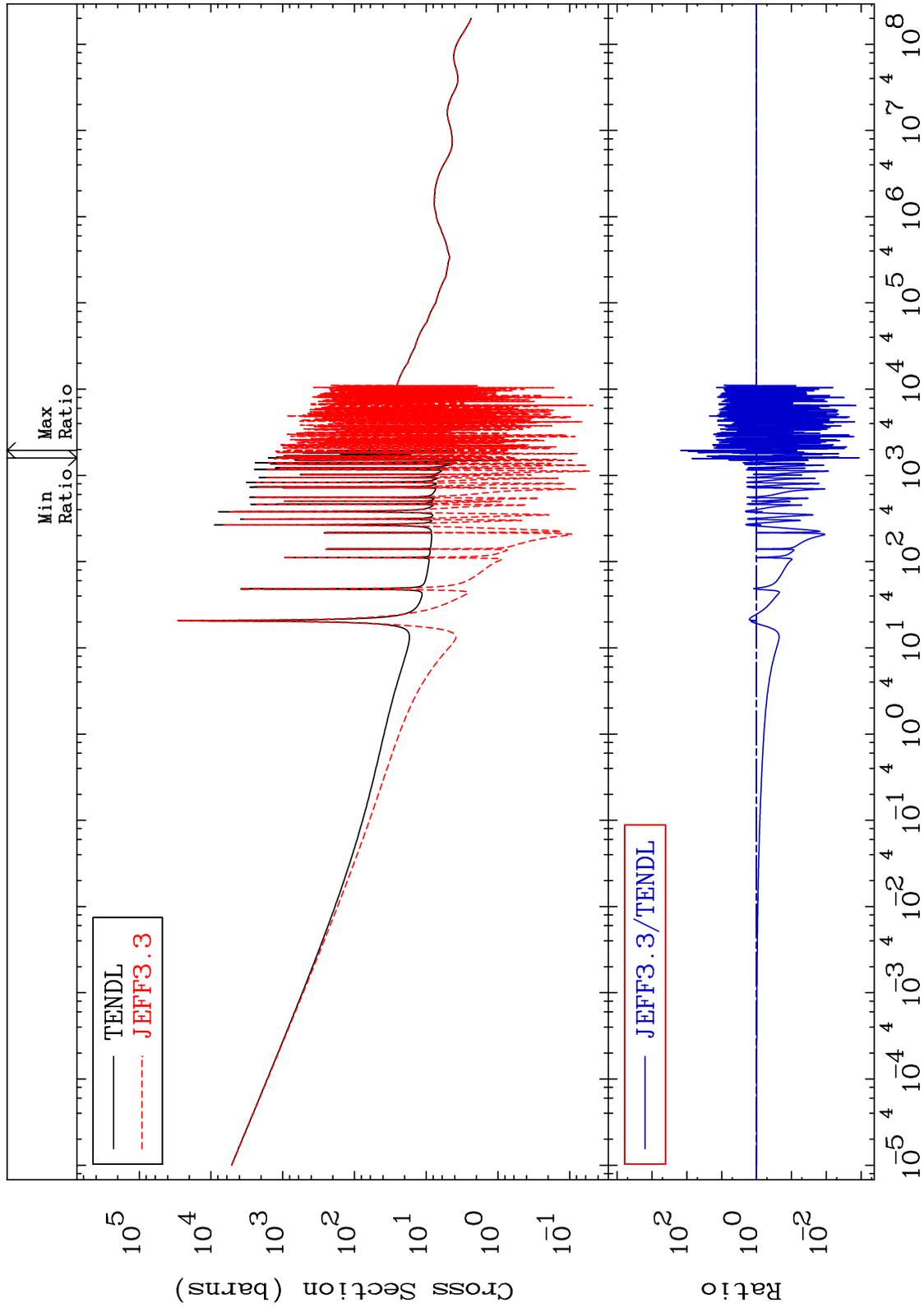
Press Mouse Button to Start

MAT 6243

Total
Cross Section

62-Sm-150

-99.89 To 9999. %



Incident Energy (eV)

62-Sm-150

1

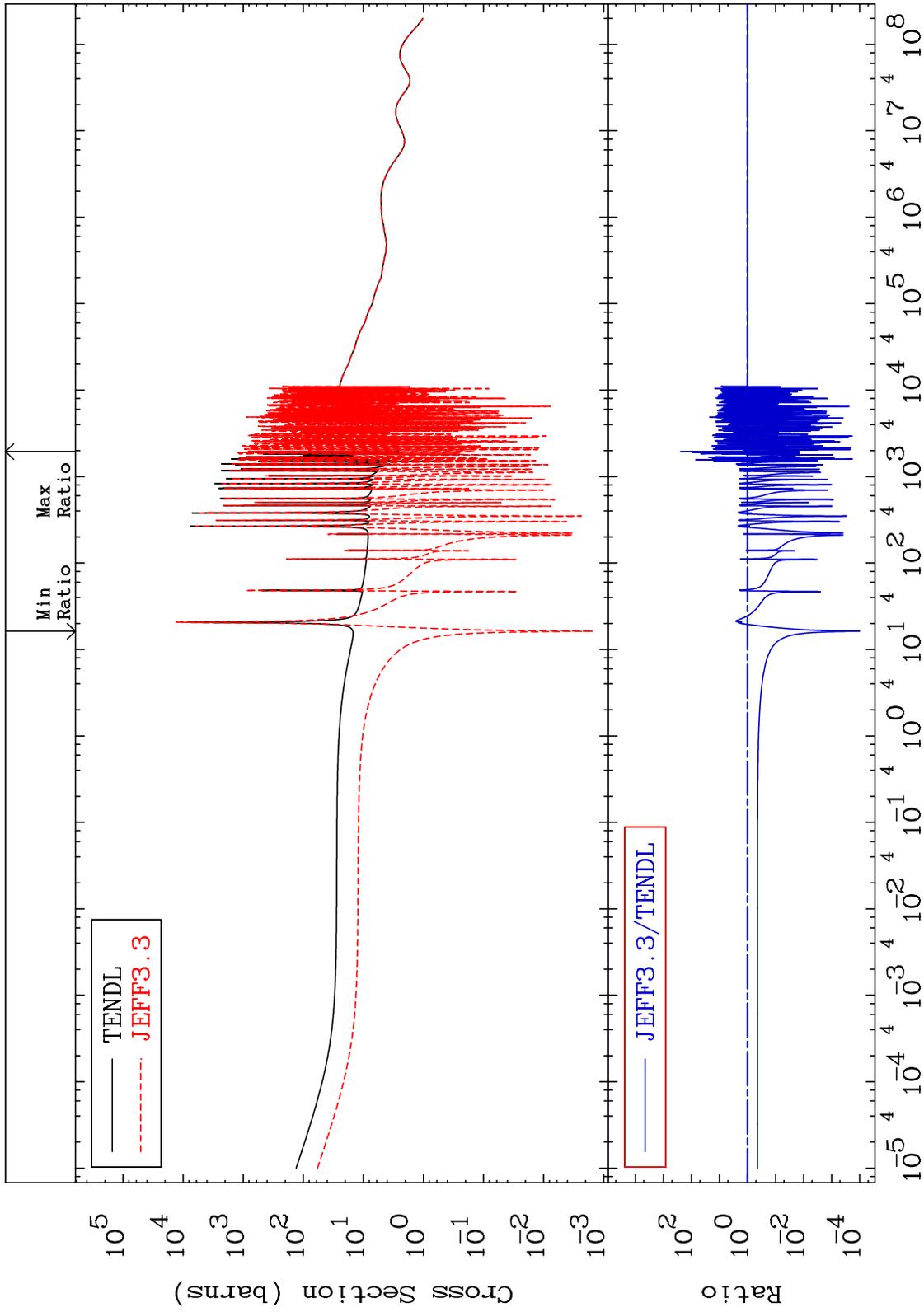
MAT 6243

Elastic

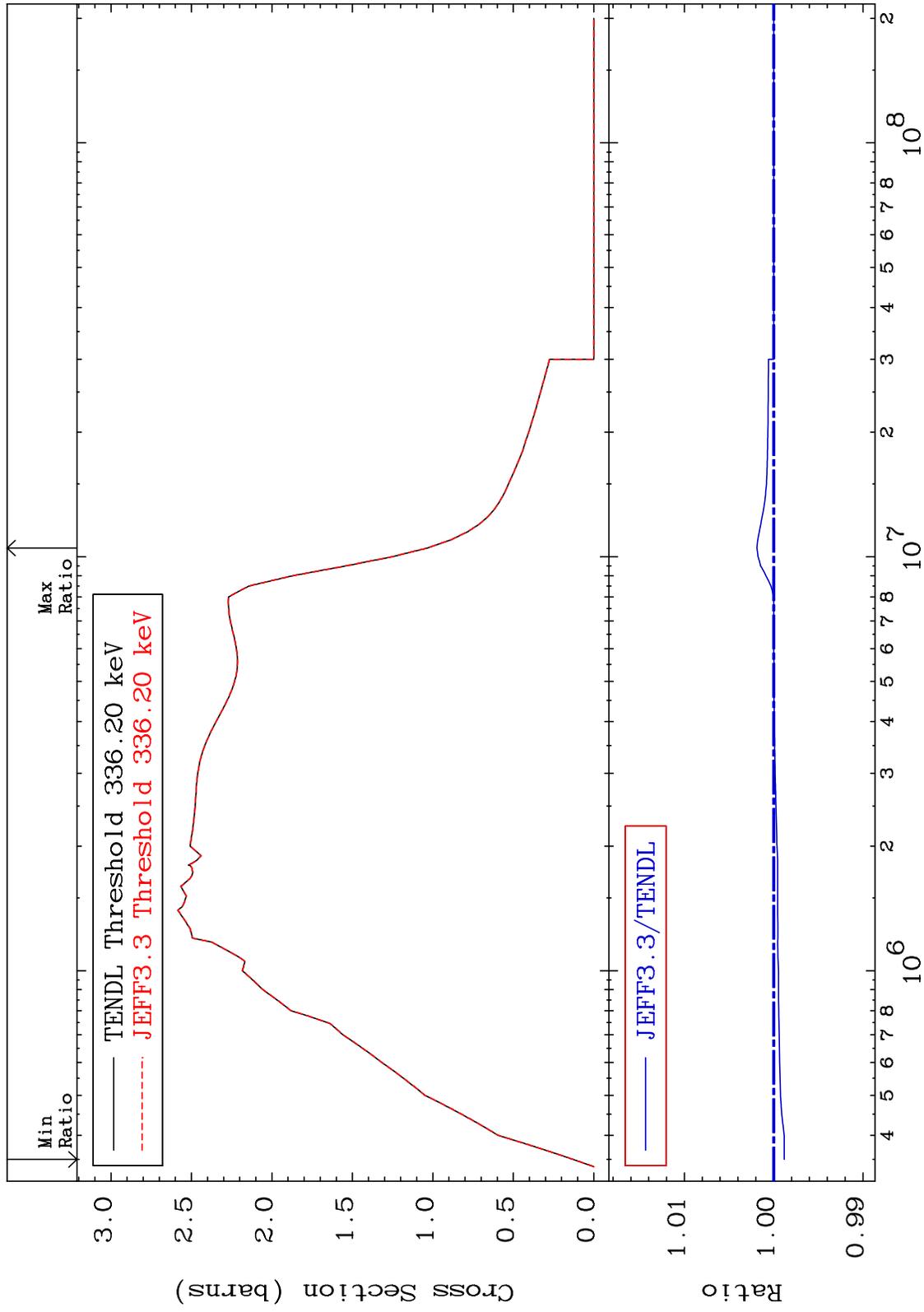
62-Sm-150

Cross Section

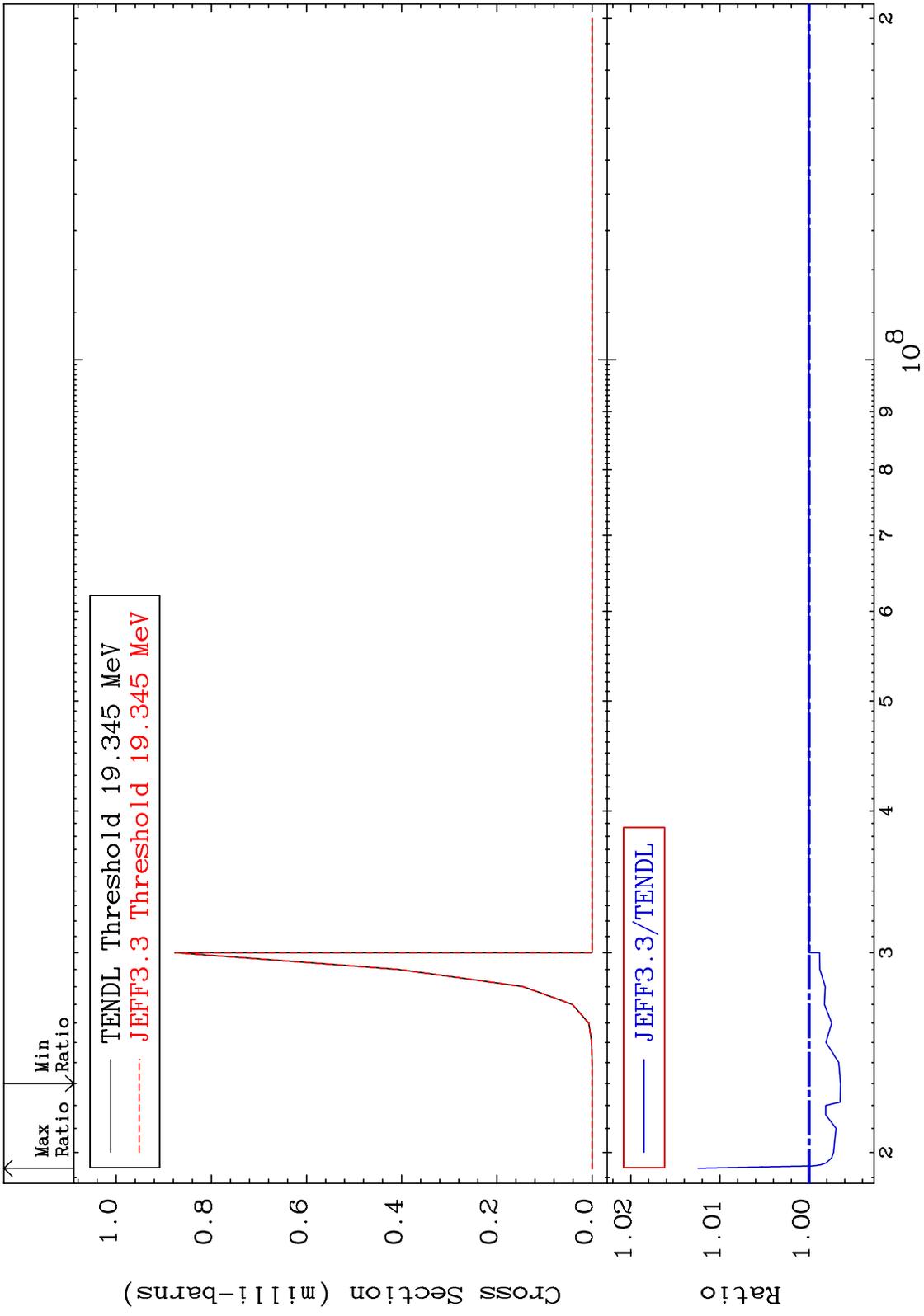
-99.99 To 9999. %



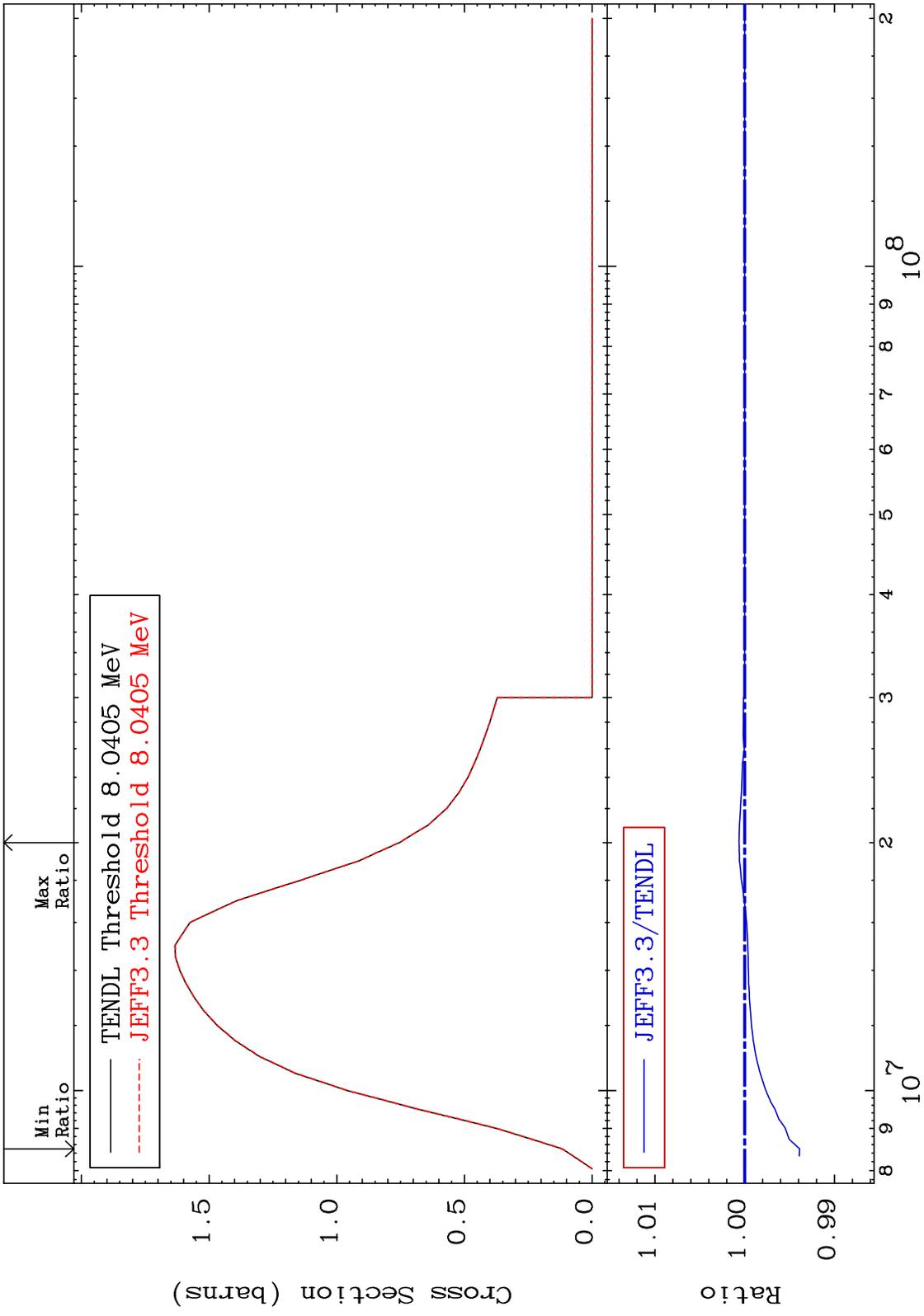
MAT 6243 Inelastic Cross Section 62-Sm-150 -0.117 To 0.188 %



MAT 6243 (n,2n) d 62-Sm-150
 Cross Section -0.352 To 1.246 %

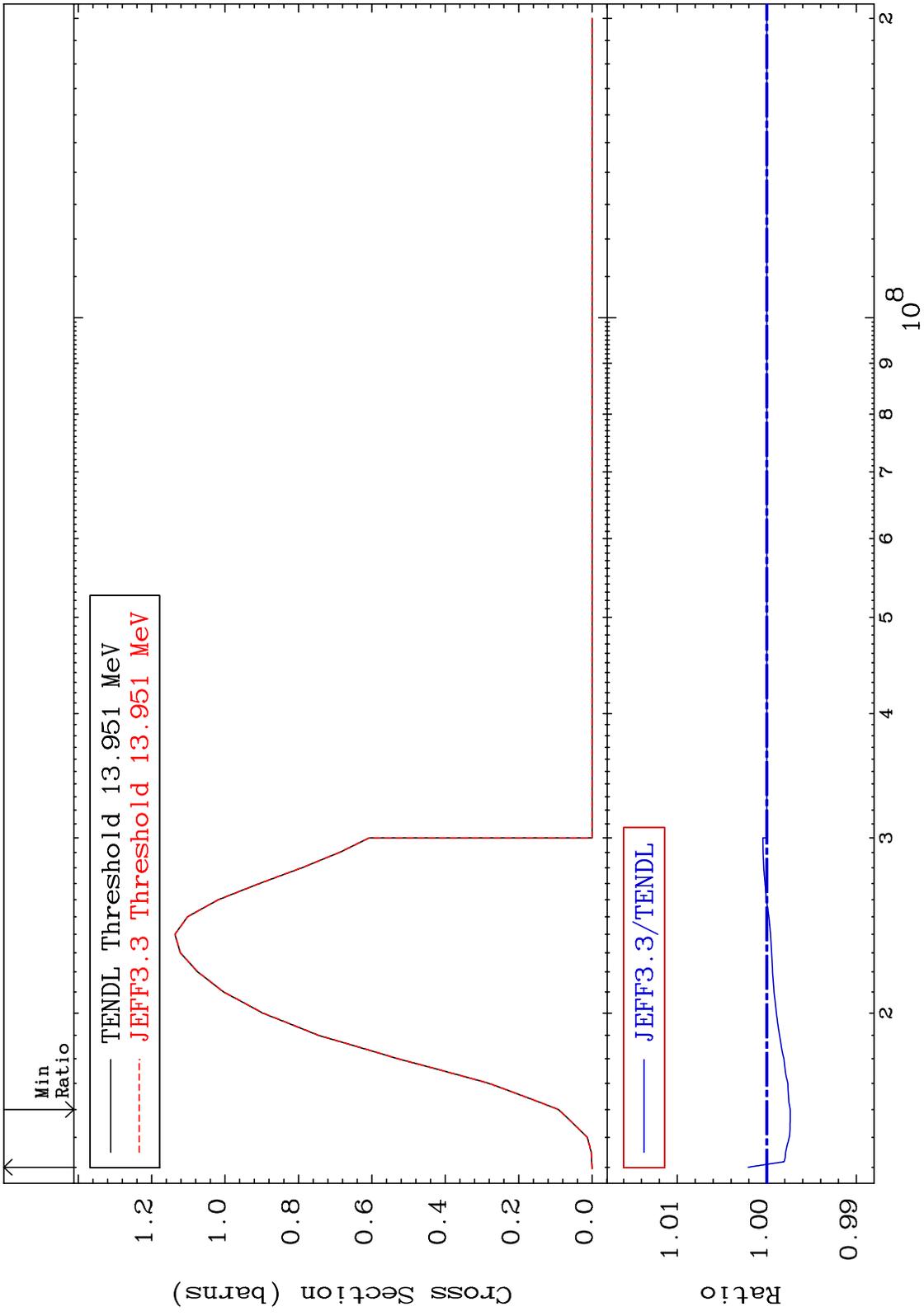


MAT 6243 (n,2n) Cross Section 62-Sm-150 -0.610 To 0.064 %



62-Sm-150 Incident Energy (eV)

MAT 6243 (n,3n) Cross Section 62-Sm-150 -0.261 To 0.207 %

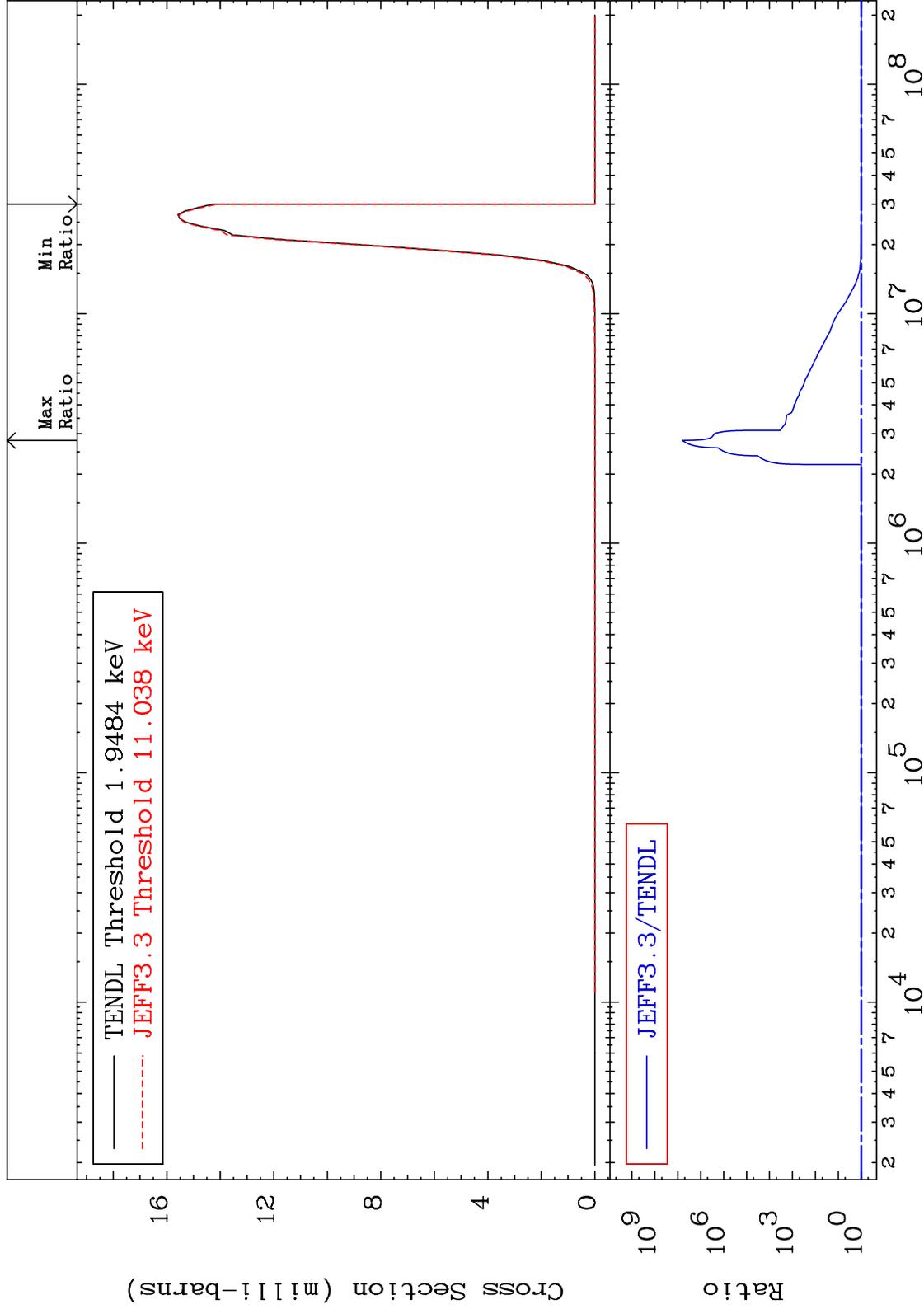


MAT 6243

(n, n') α

62-Sm-150

Cross Section -1.080 To 9999. %

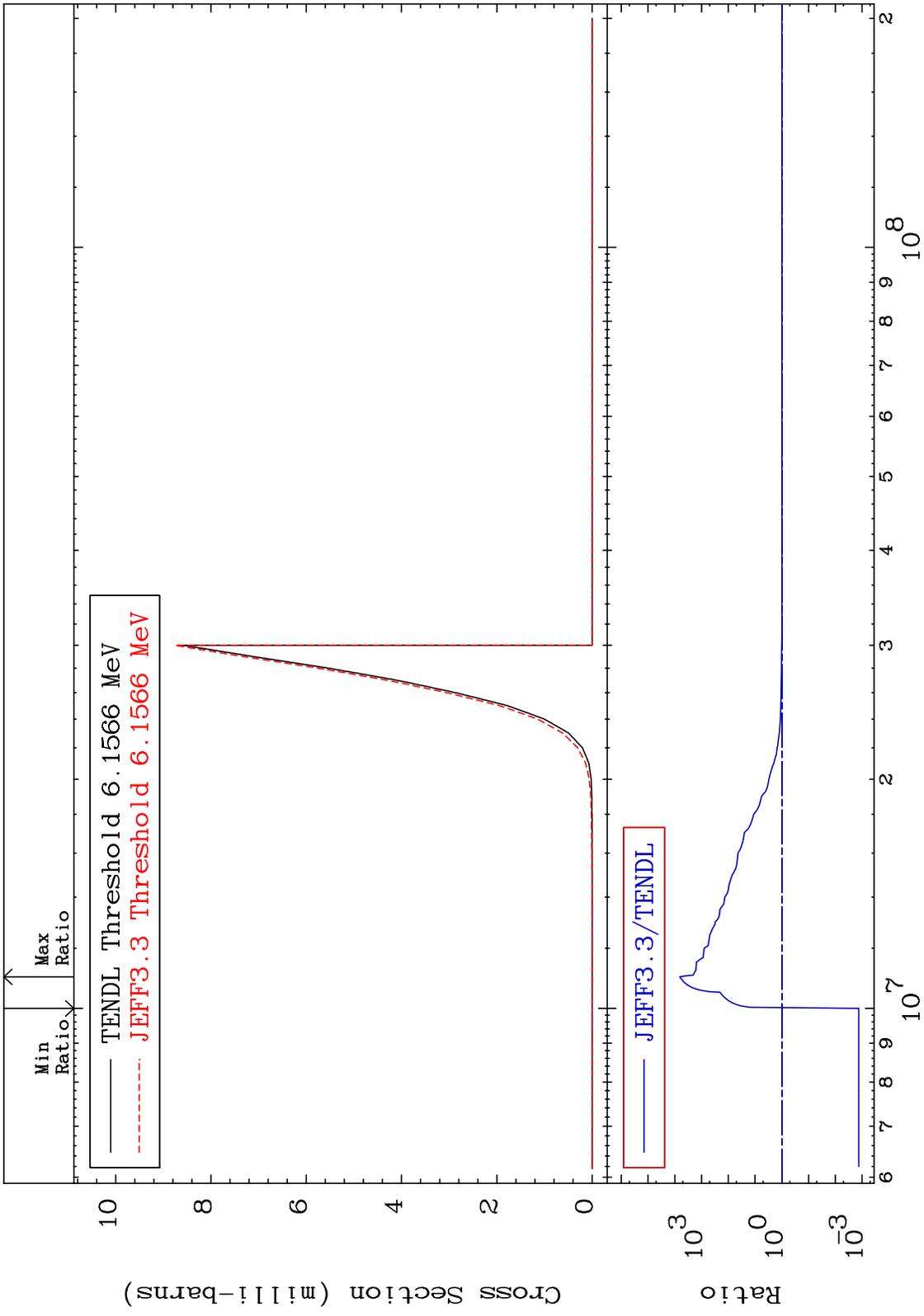


7

Incident Energy (eV)

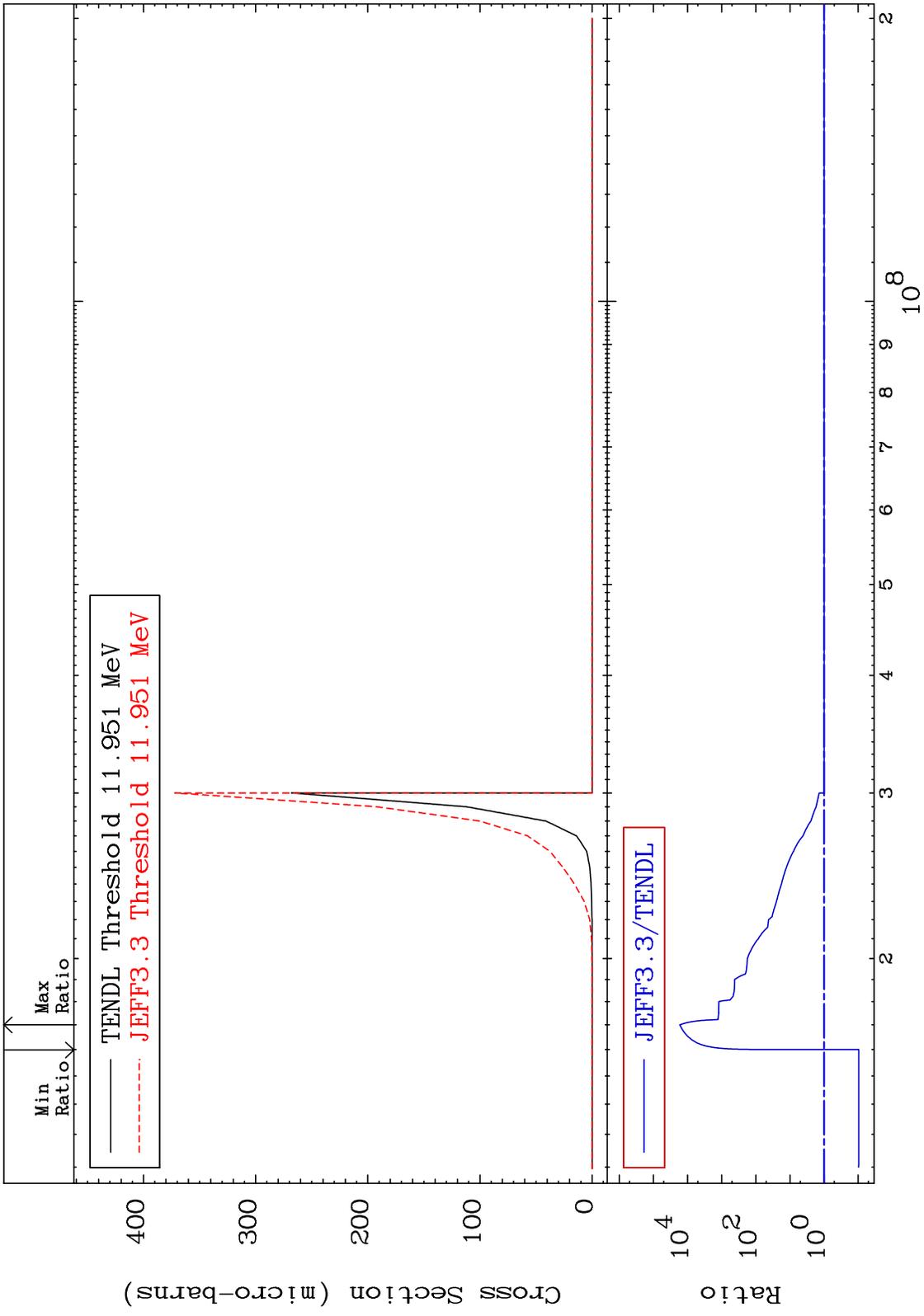
62-Sm-150

MAT 6243 $(n, 2n) \alpha$ 62-Sm-150
 Cross Section -99.87 To 9999. %

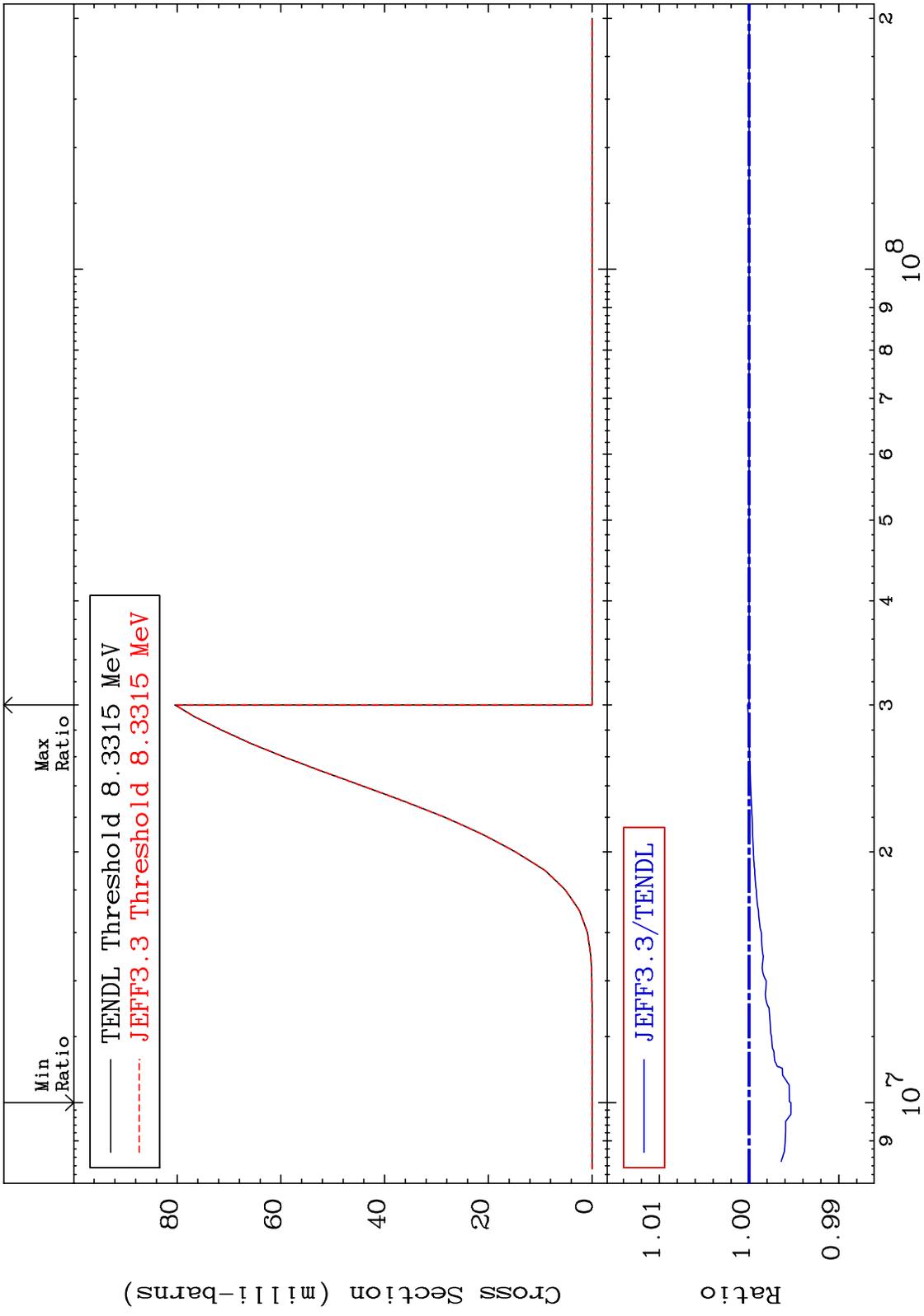


8 Incident Energy (eV) 62-Sm-150

MAT 6243 (n,3n) α 62-Sm-150
 Cross Section -90.40 To 9999. %

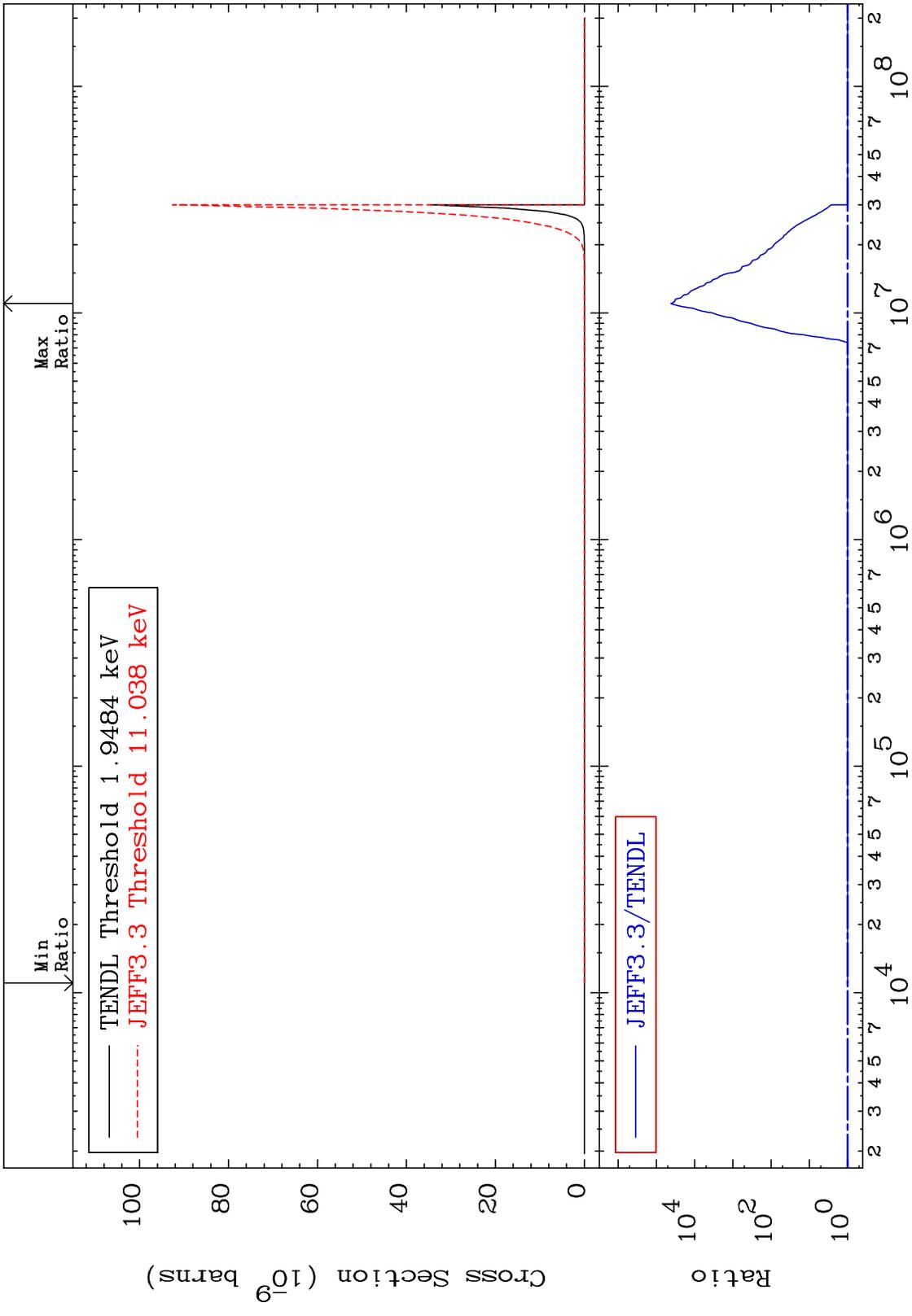


MAT 6243 (n, n') p 62-Sm-150
Cross Section -0.466 To 0.017 %

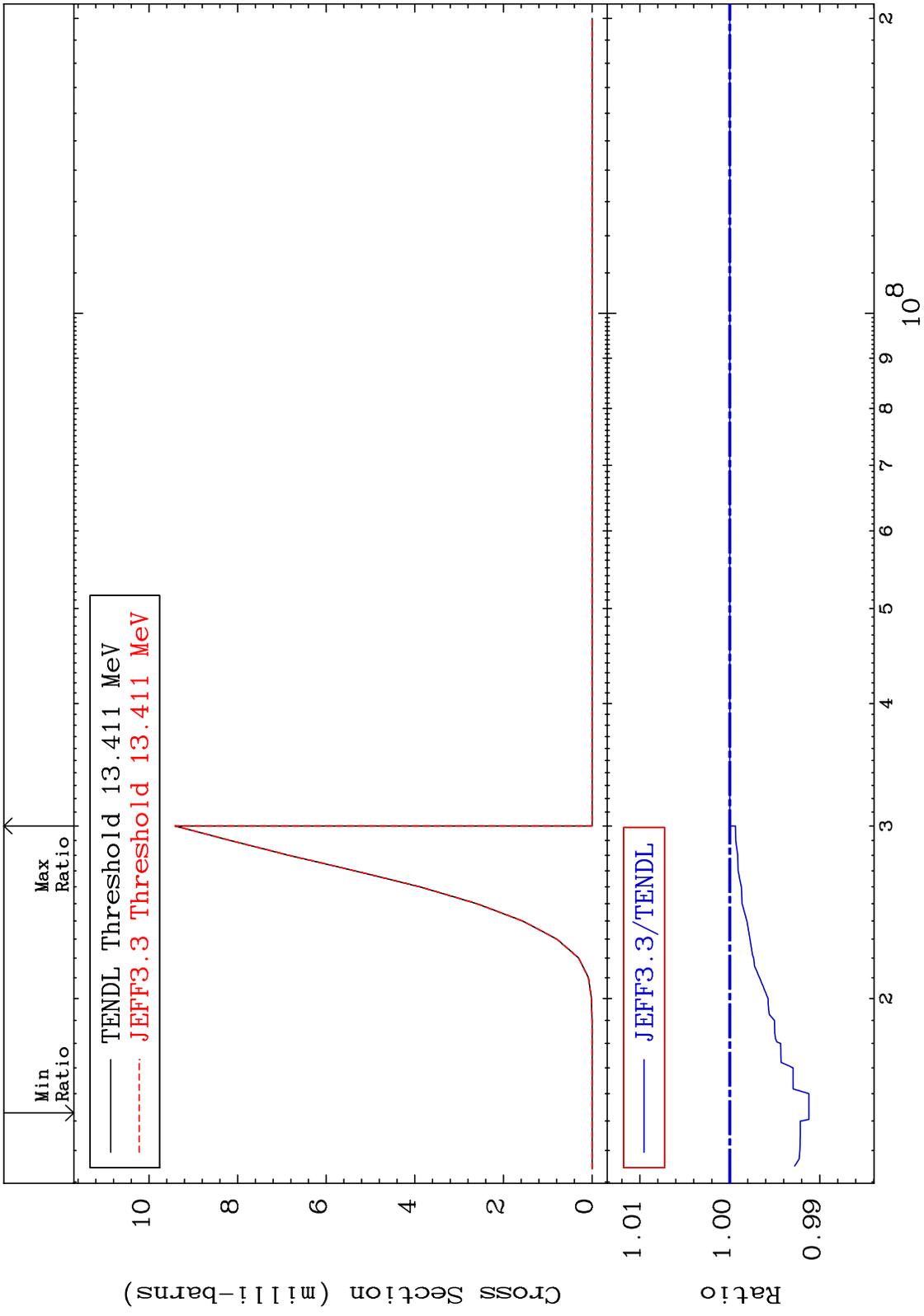


62-Sm-150 Incident Energy (eV) 62-Sm-150

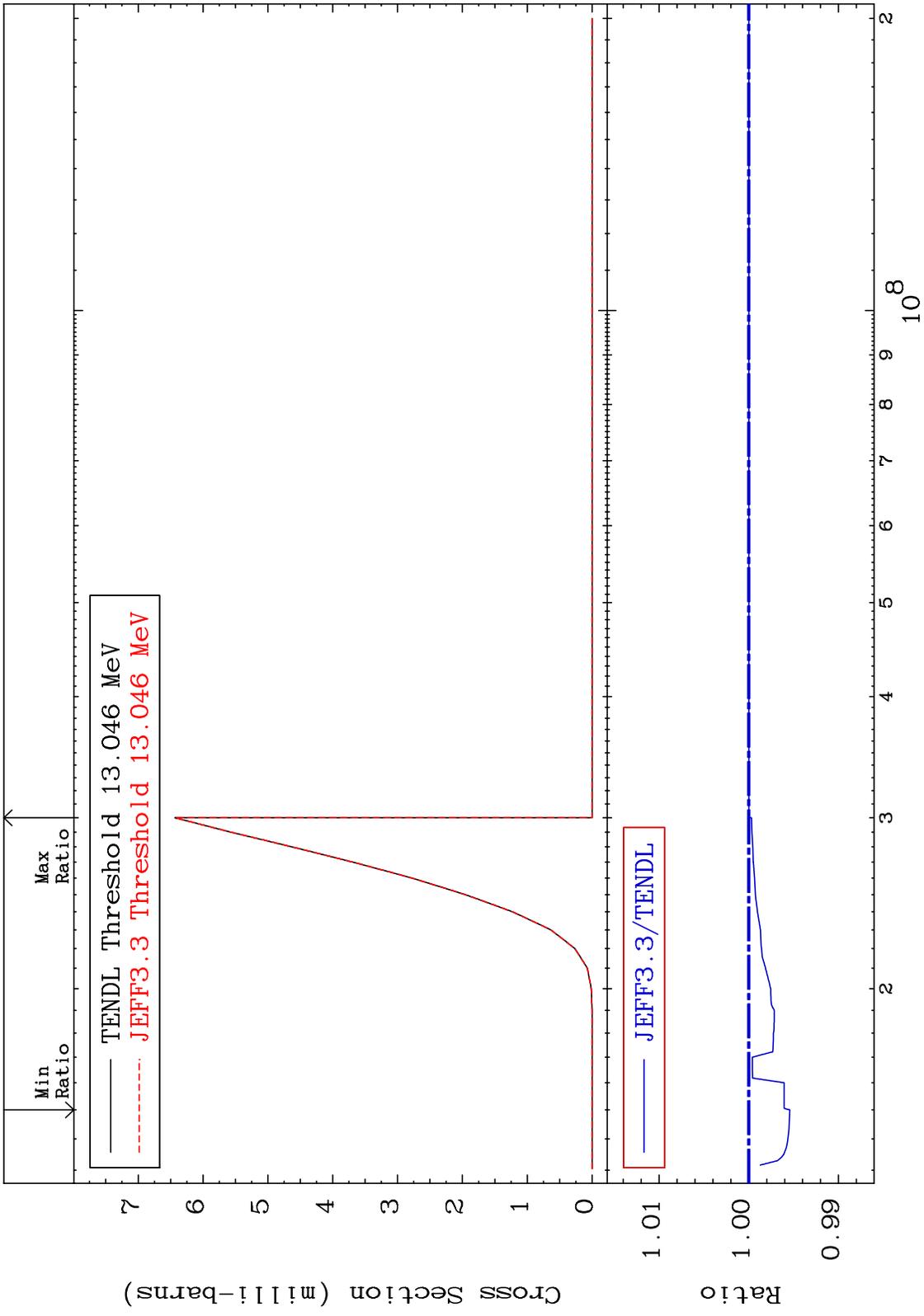
MAT 6243 (n,n') 2α Cross Section 62-Sm-150 To 9999. %



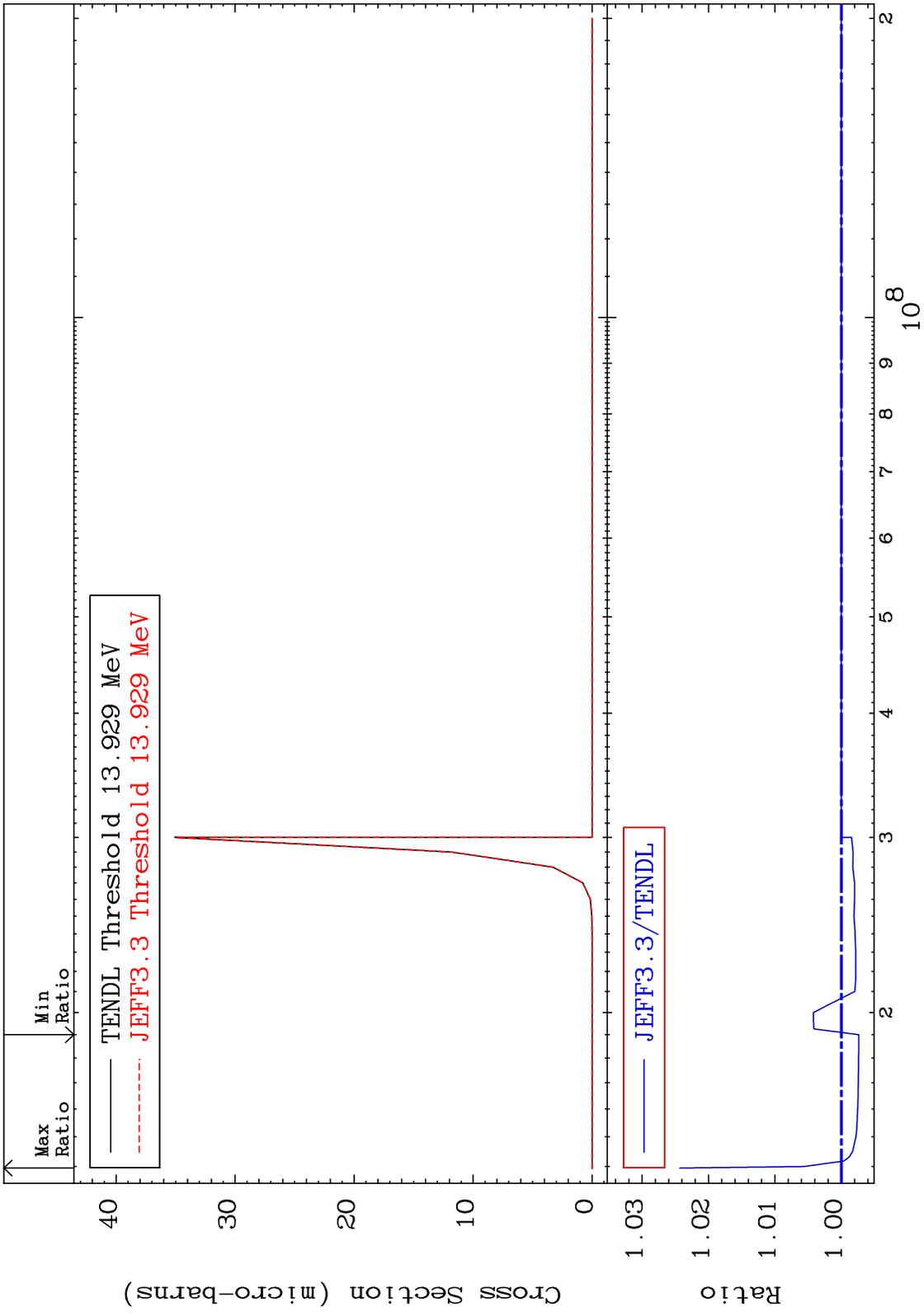
MAT 6243 (n, n') d $^{62}\text{Sm}-150$
 Cross Section -0.879 To 0.000 %



MAT 6243 (n, n') t 62-Sm-150
 Cross Section -0.457 To 0.000 %



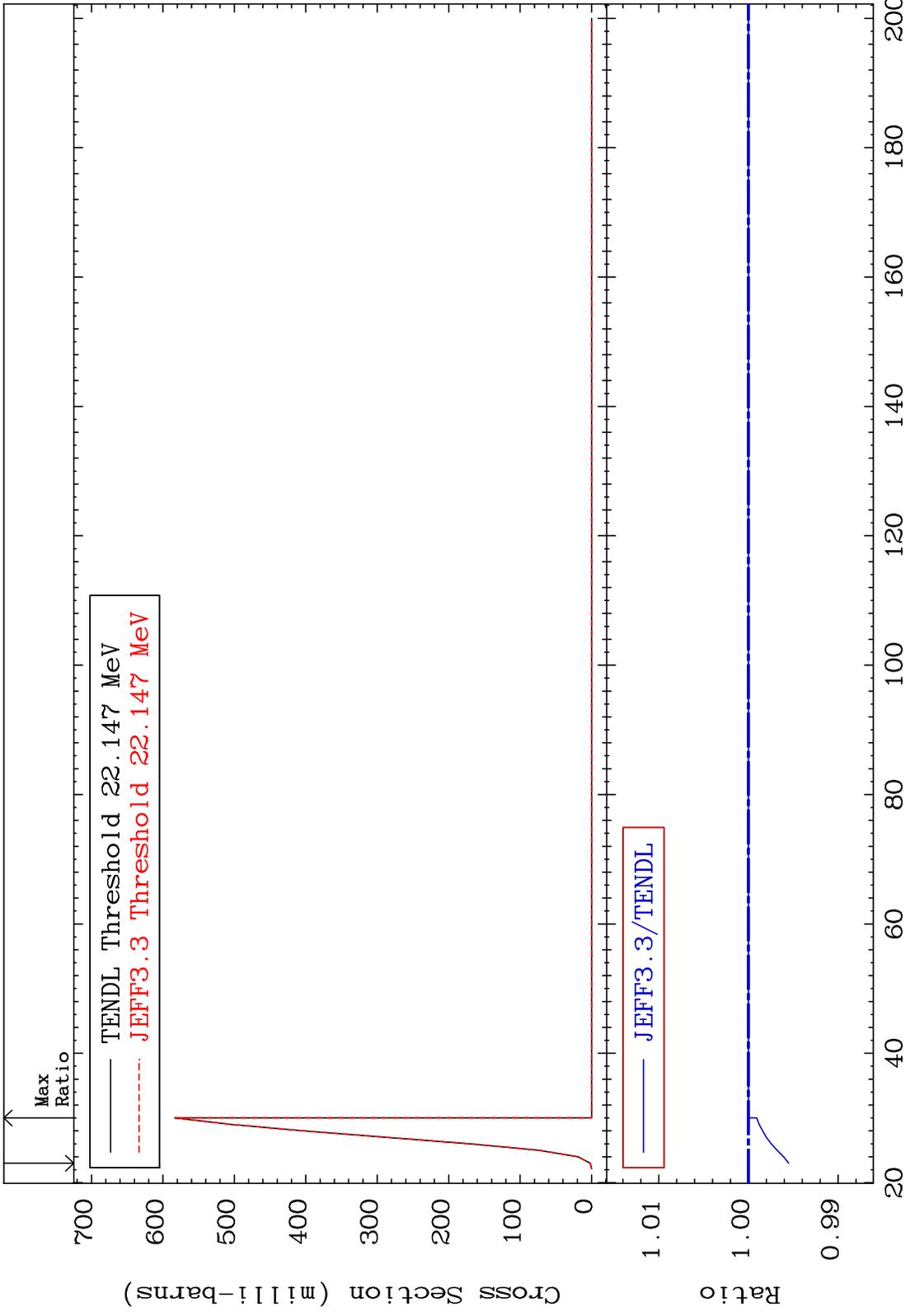
MAT 6243 (n, n') He-3 62-Sm-150
 Cross Section -0.263 To 2.433 %



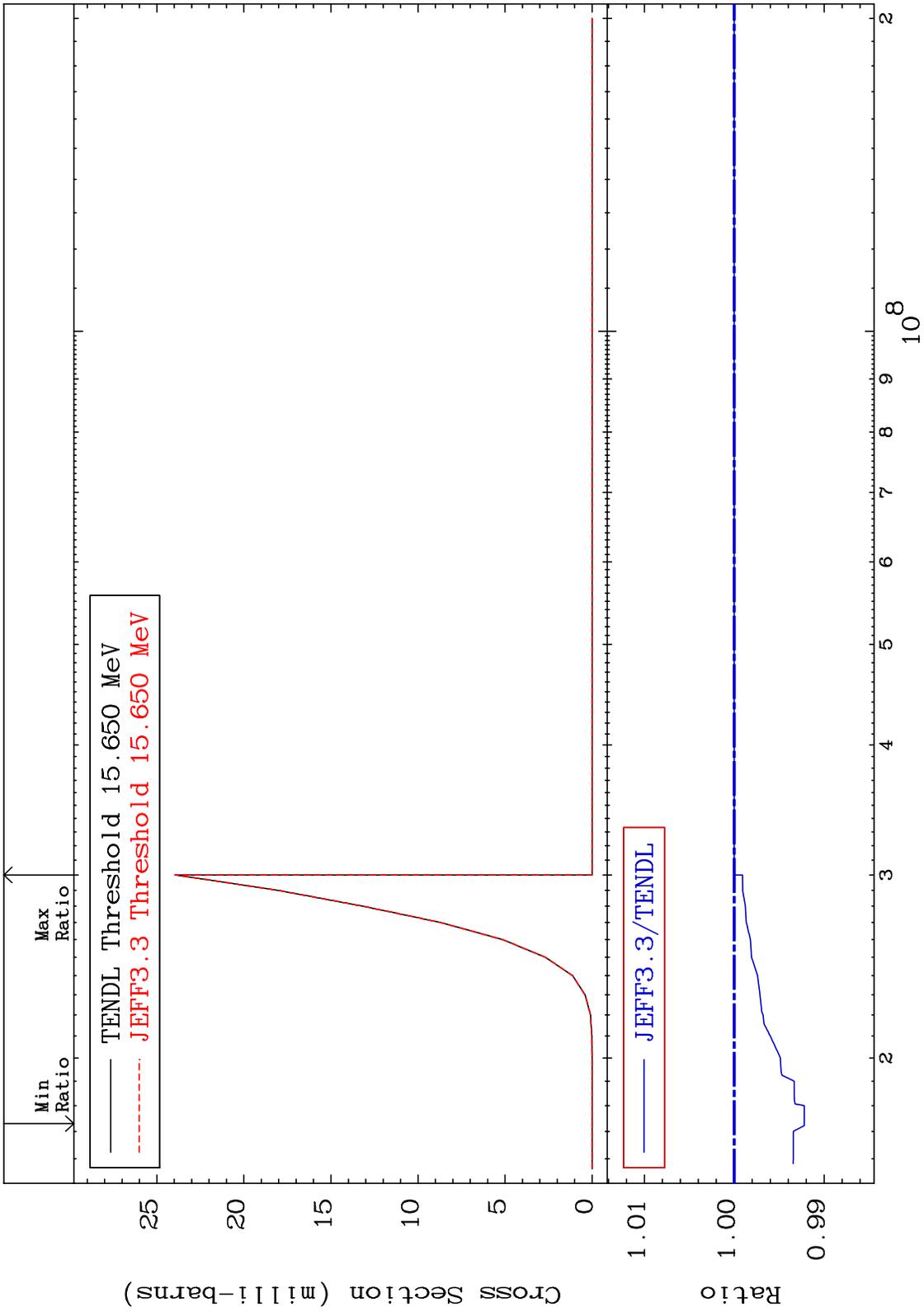
62-Sm-150

Incident Energy (eV)

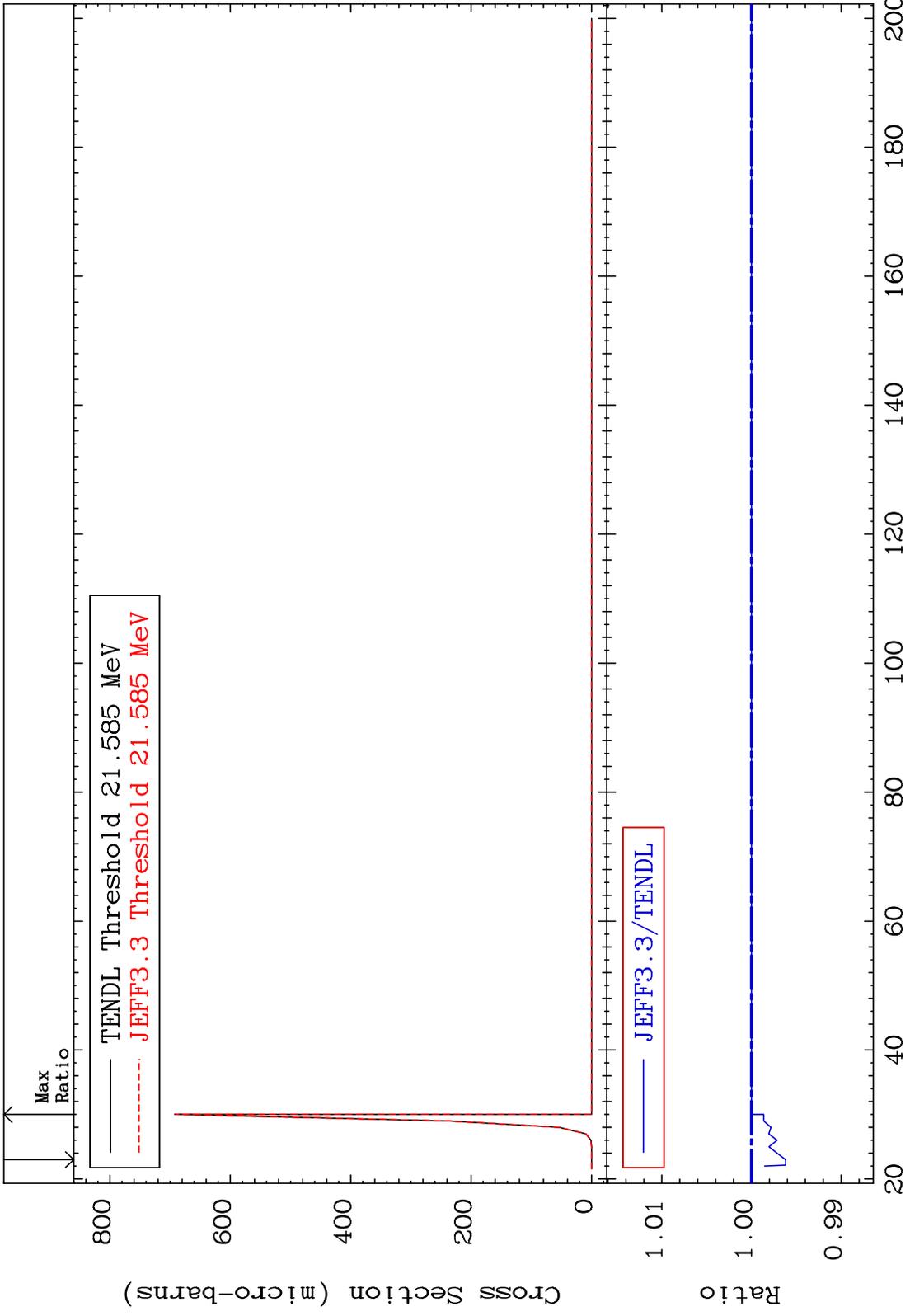
MAT 6243 (n,4n) 62-Sm-150
 Cross Section -0.449 To 0.000 %



MAT 6243 (n,2n) p 62-Sm-150
 Cross Section -0.779 To 0.000 %

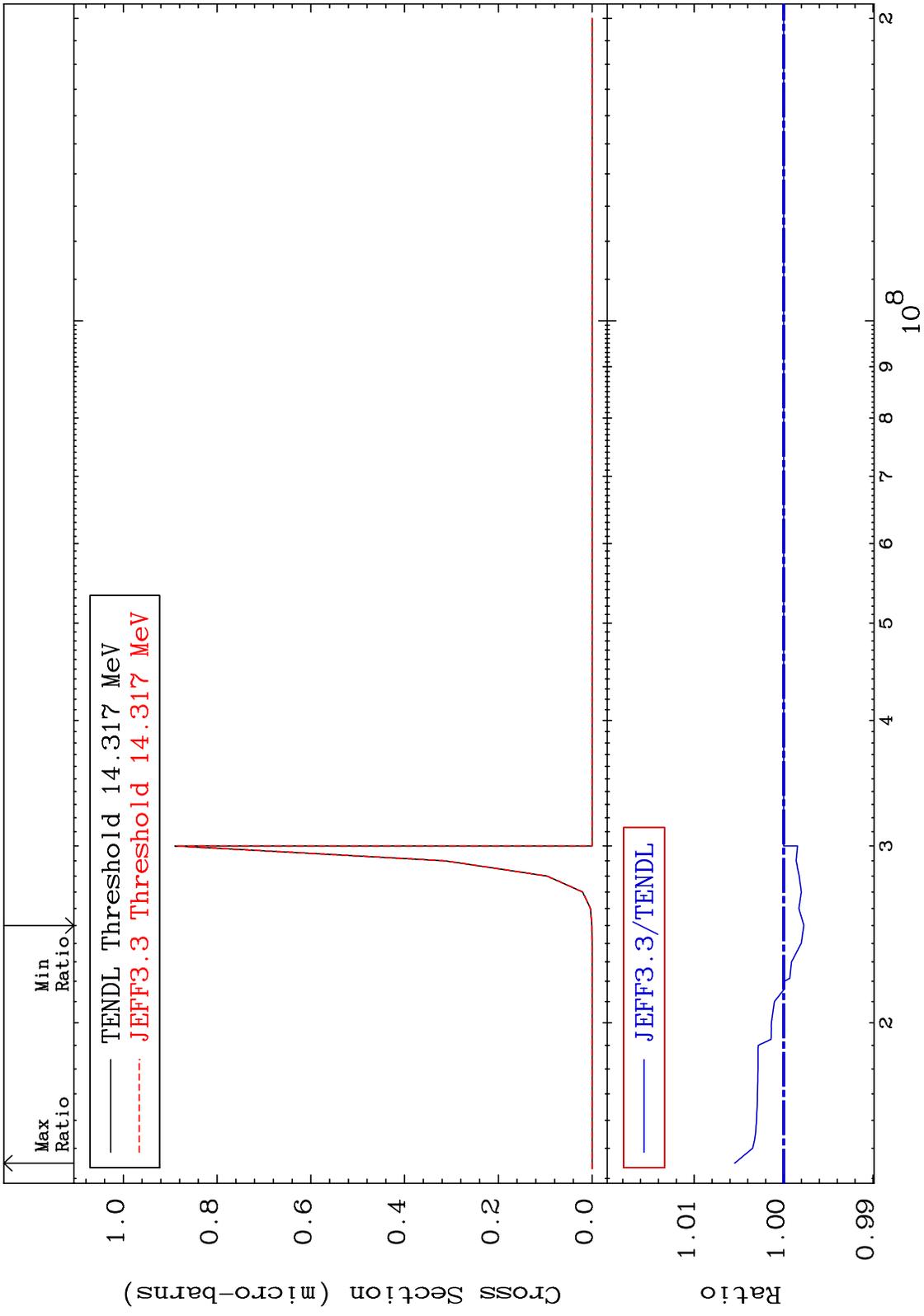


MAT 6243 (n,3n) p 62-Sm-150
Cross Section -0.382 To 0.000 %

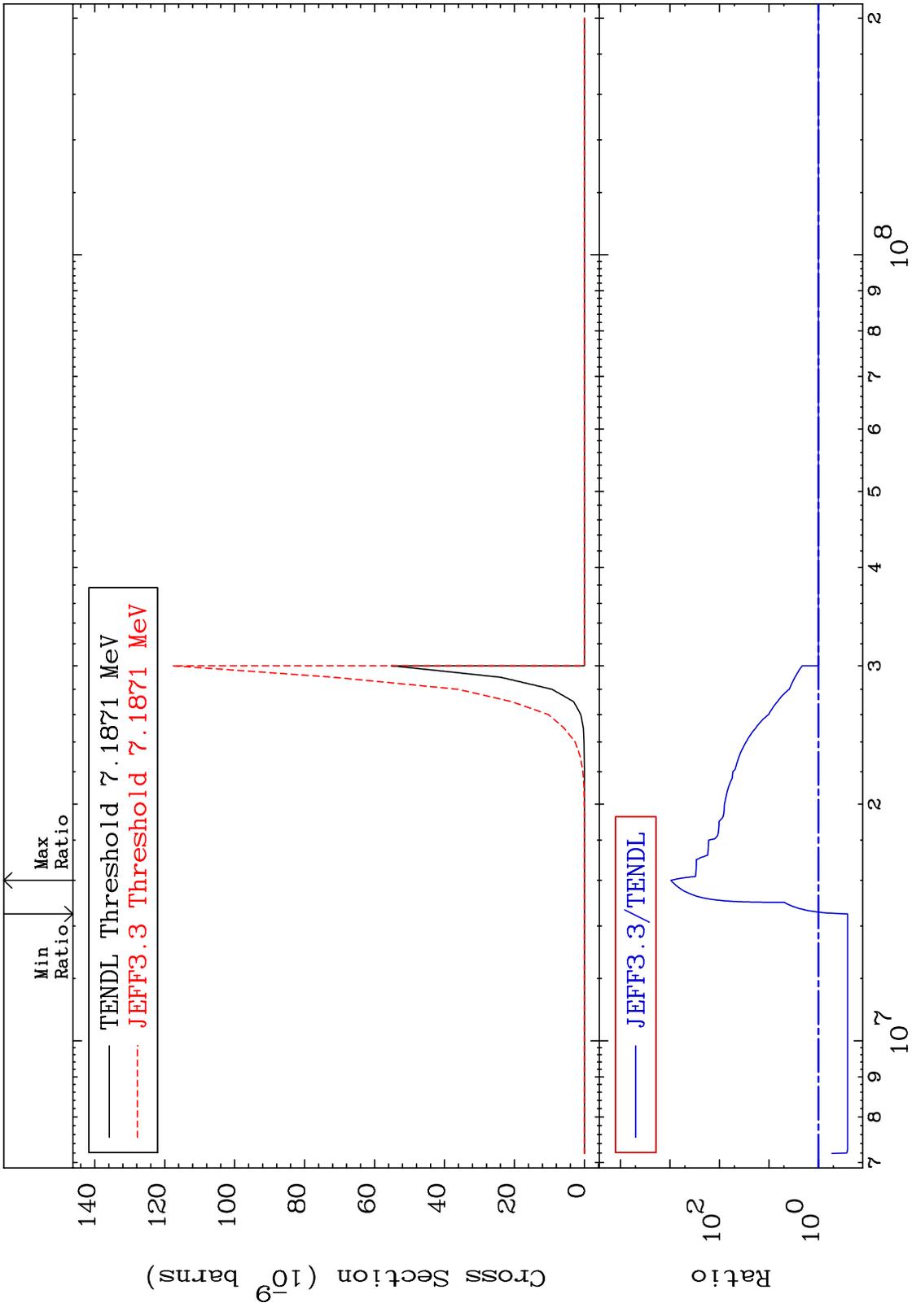


17 62-Sm-150

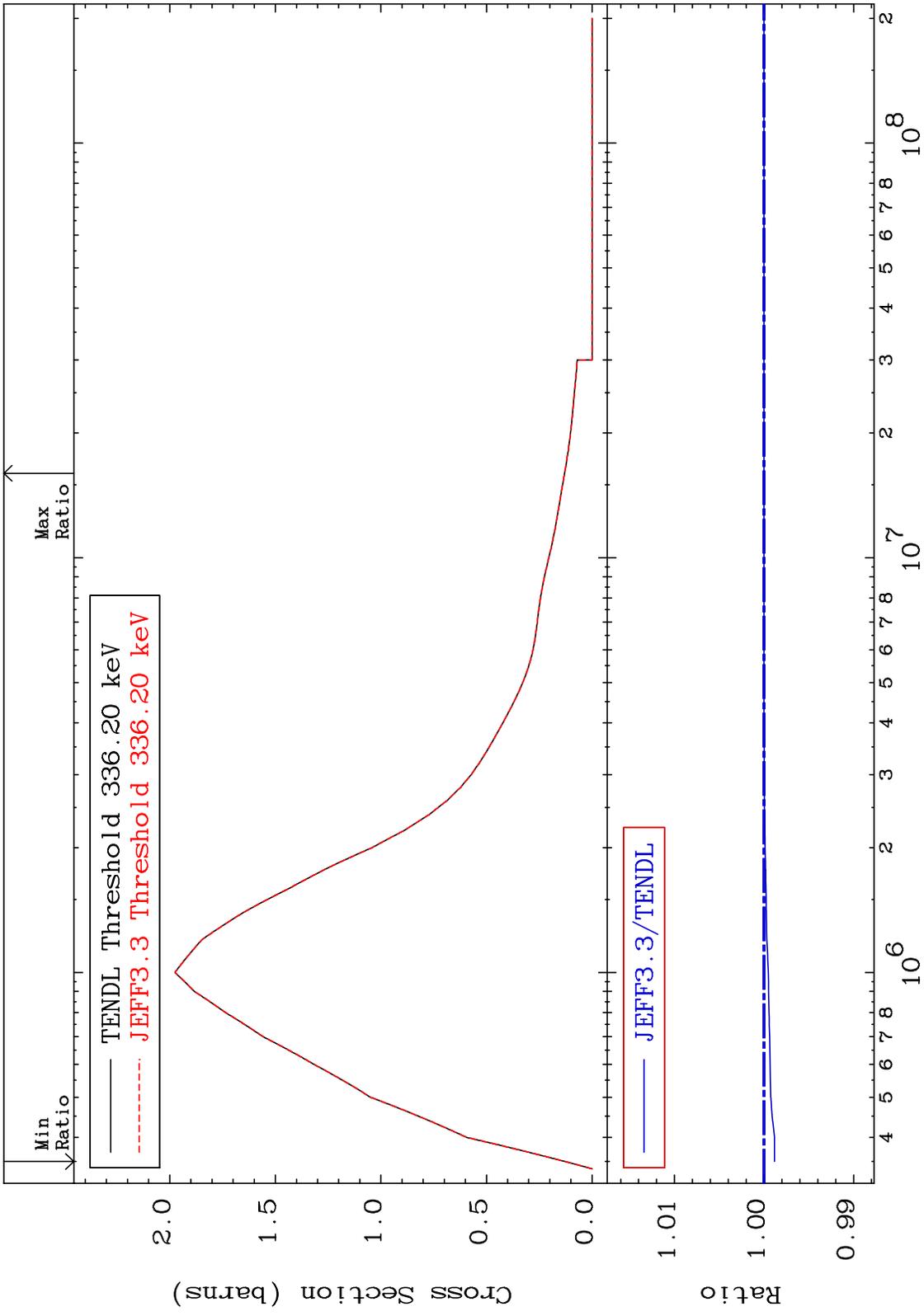
MAT 6243 (n,2n) p 62-Sm-150
 Cross Section -0.226 To 0.547 %



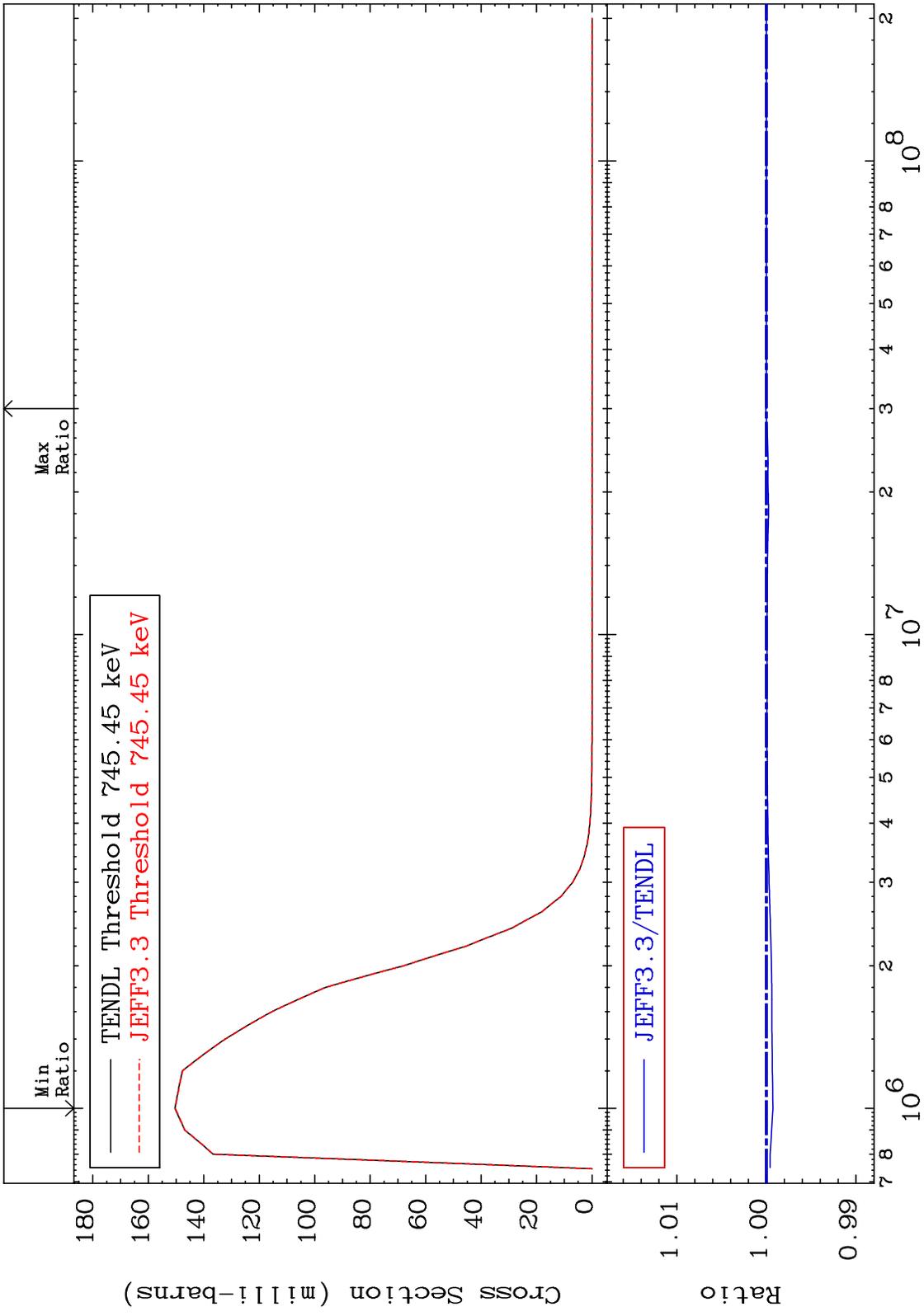
MAT 6243 (n,n') p α 62-Sm-150
 Cross Section -74.21 To 9999. %



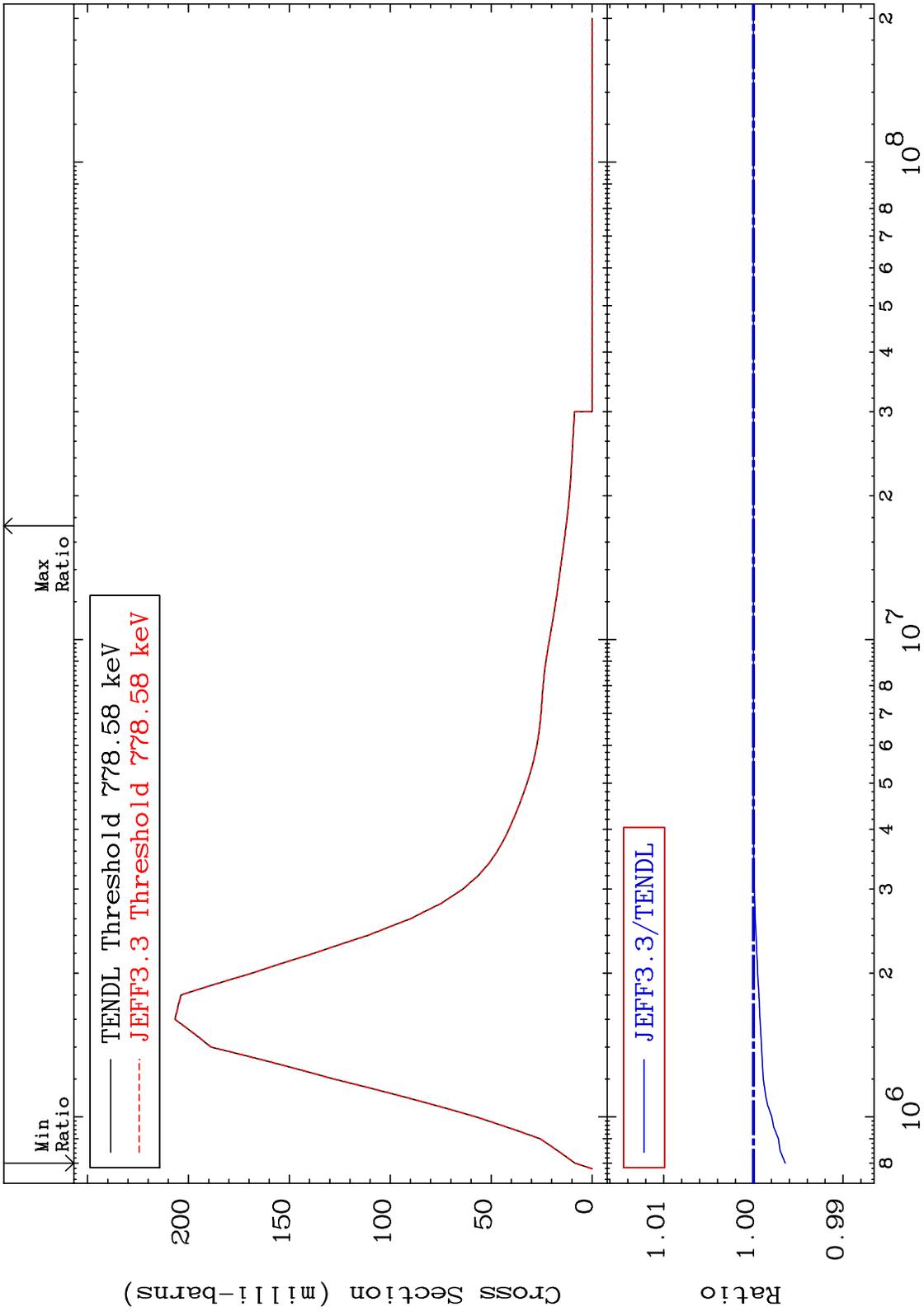
MAT 6243 MT= 51 (n,n') Level Cross Section 62-Sm-150
 -0.117 To 0.000 %



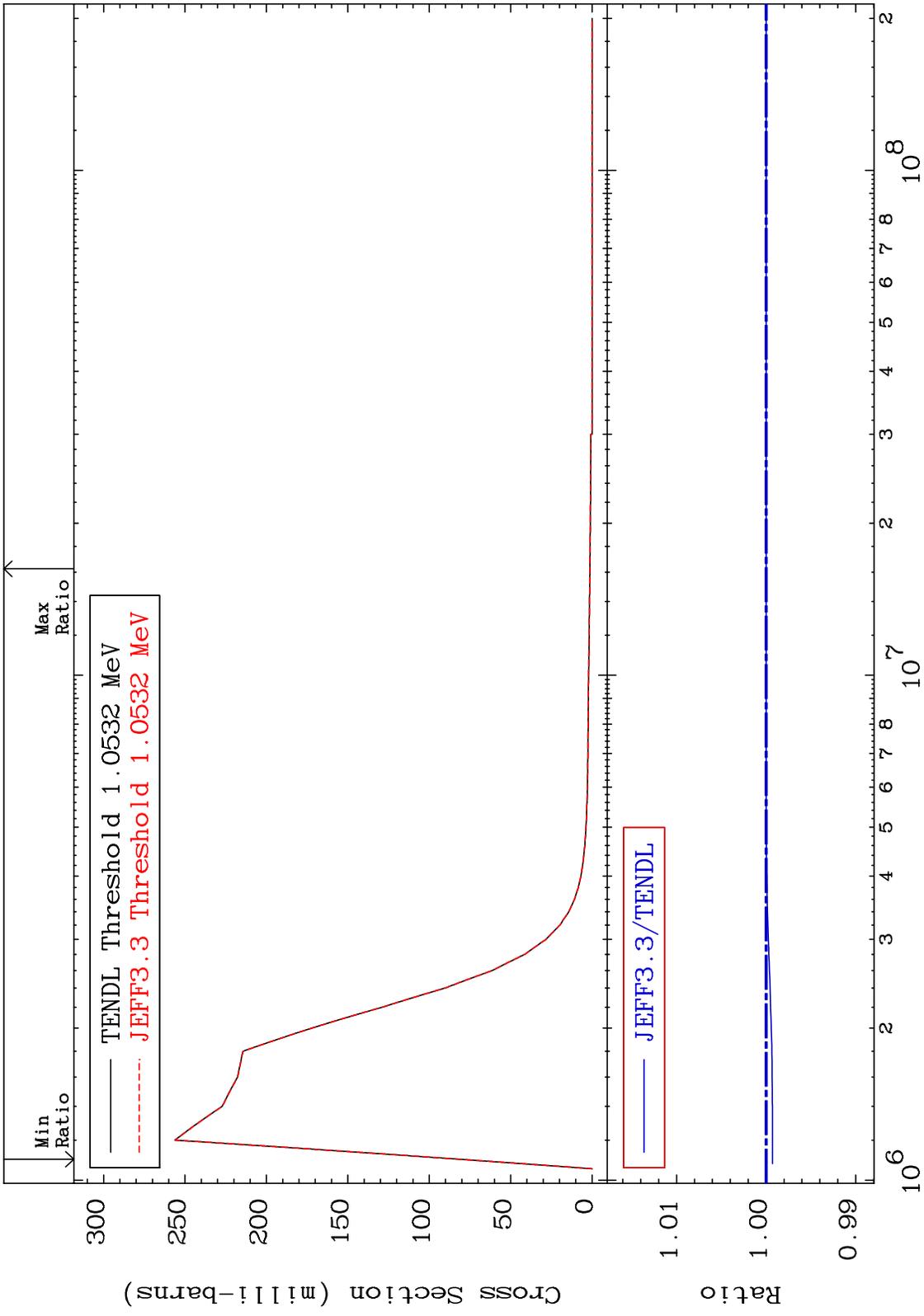
MAT 6243 MT= 52 (n,n') Level Cross Section 62-Sm-150
 -0.072 To 0.009 %



MAT 6243 MT= 53 (n, n') Level Cross Section 62-Sm-150 -0.354 To 0.000 %

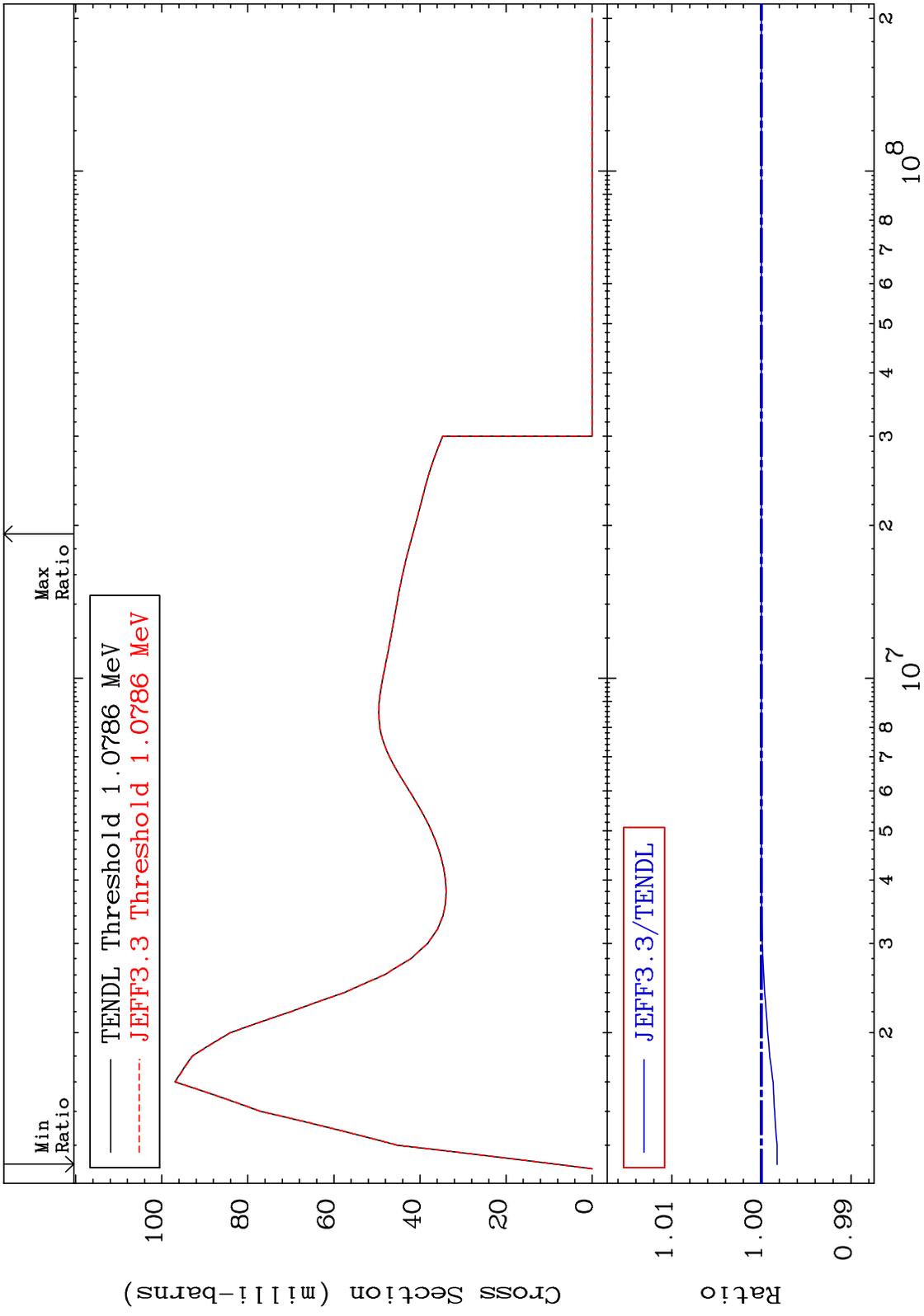


MAT 6243 MT= 54 (n,n') Level Cross Section 62-Sm-150
 -0.071 To 0.000 %

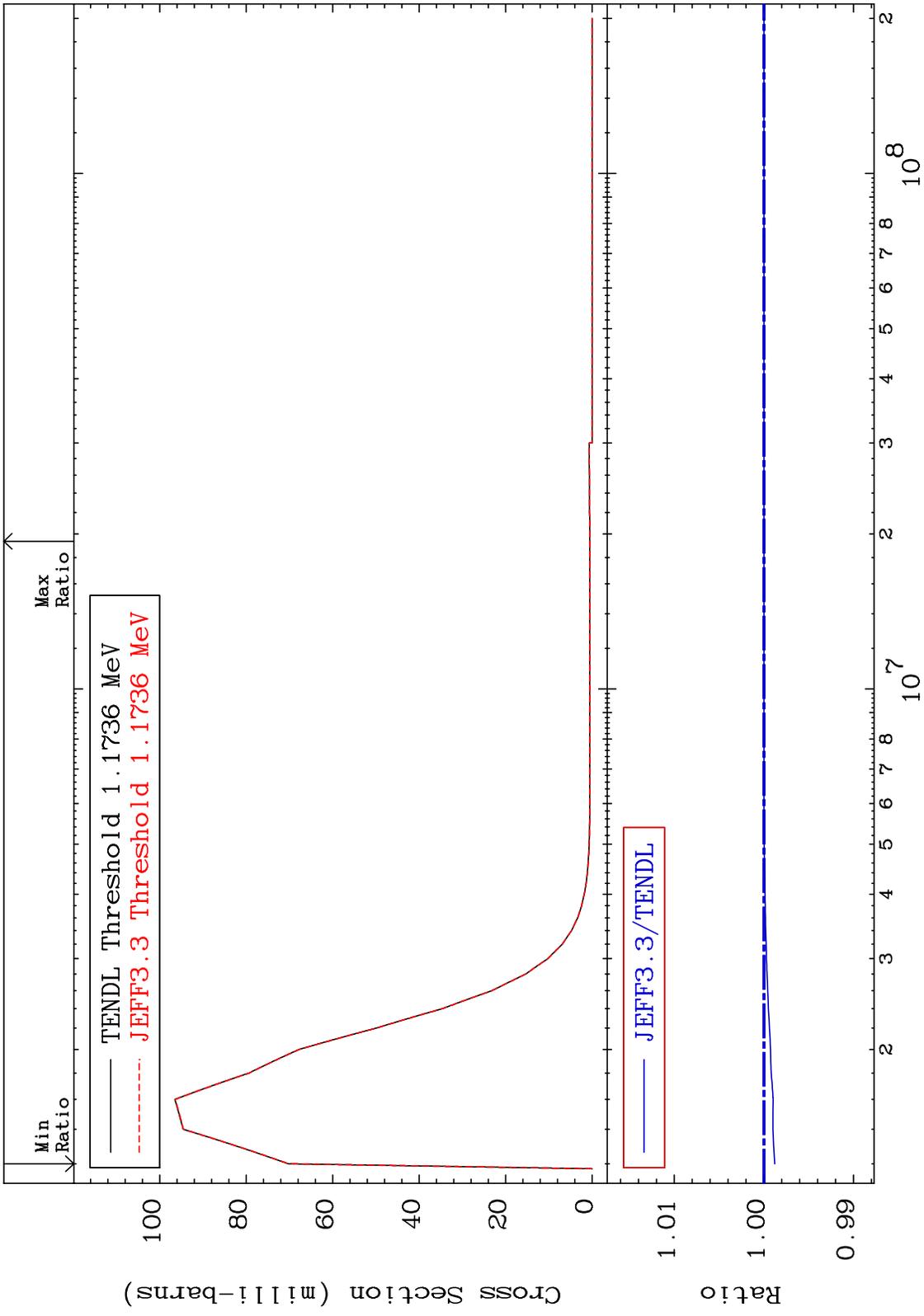


Incident Energy (eV) 62-Sm-150

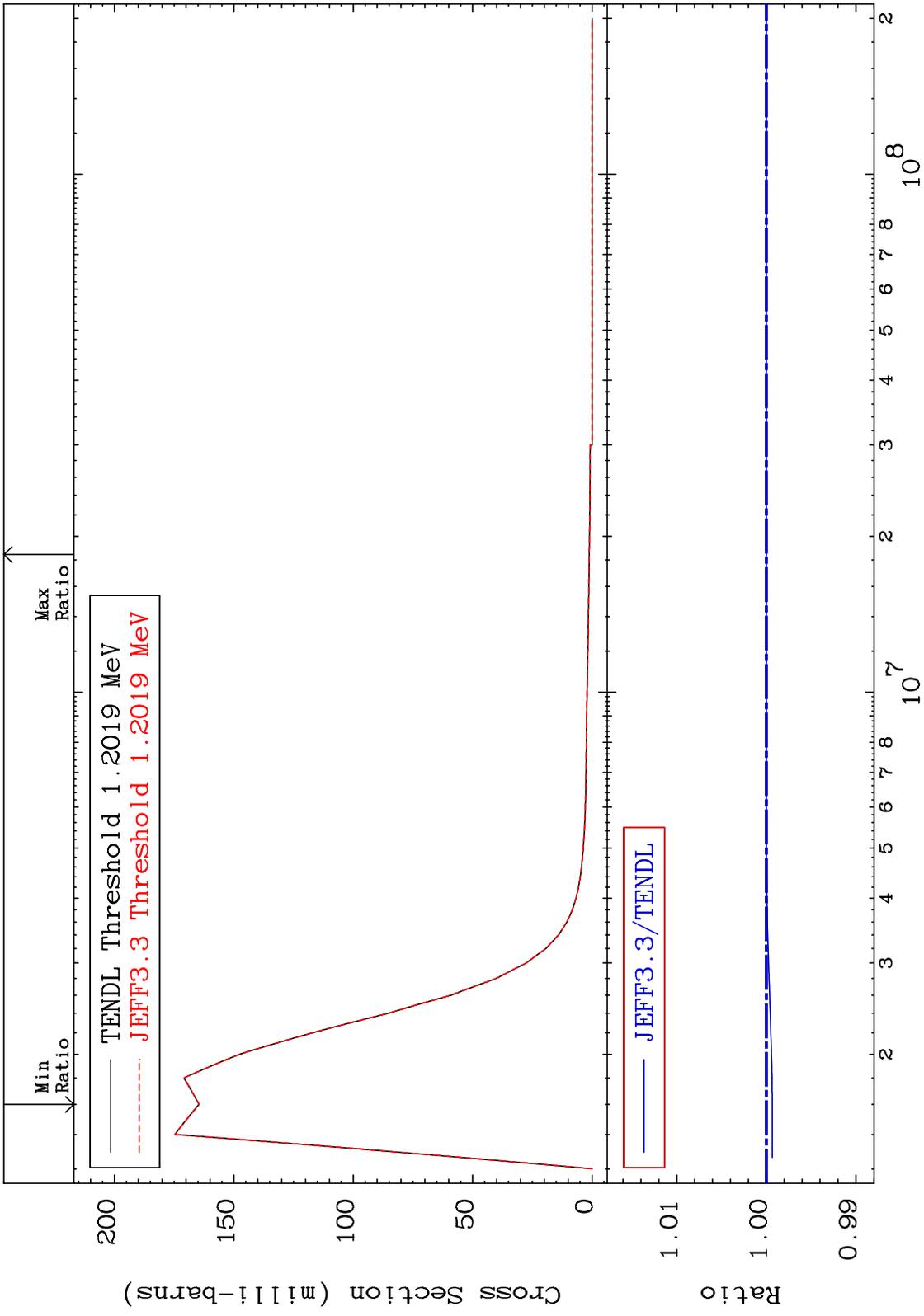
MAT 6243 MT= 55 (n, n') Level Cross Section 62-Sm-150 -0.176 To 0.000 %



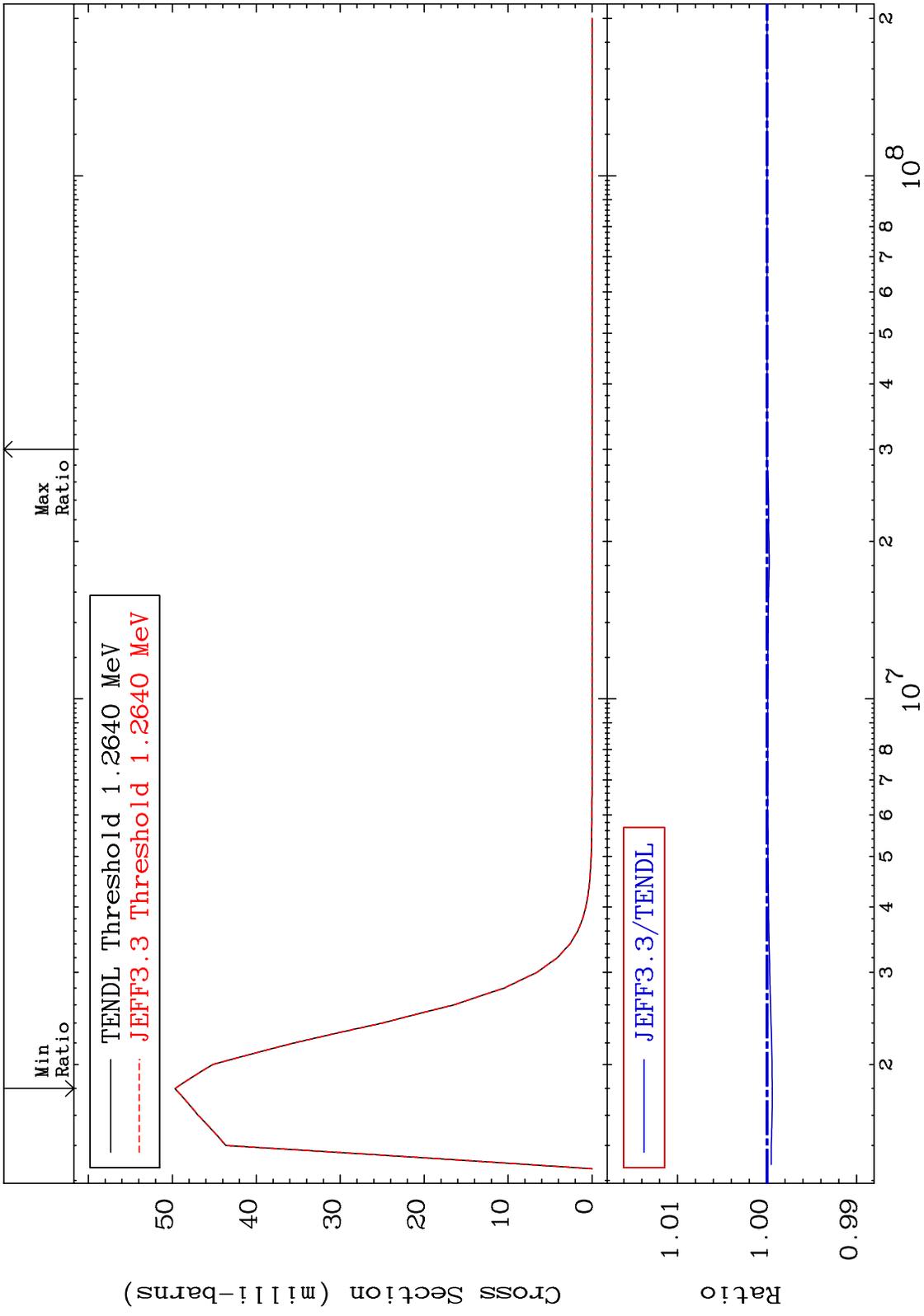
MAT 6243 MT= 56 (n,n') Level Cross Section 62-Sm-150
 -0.121 To 0.000 %



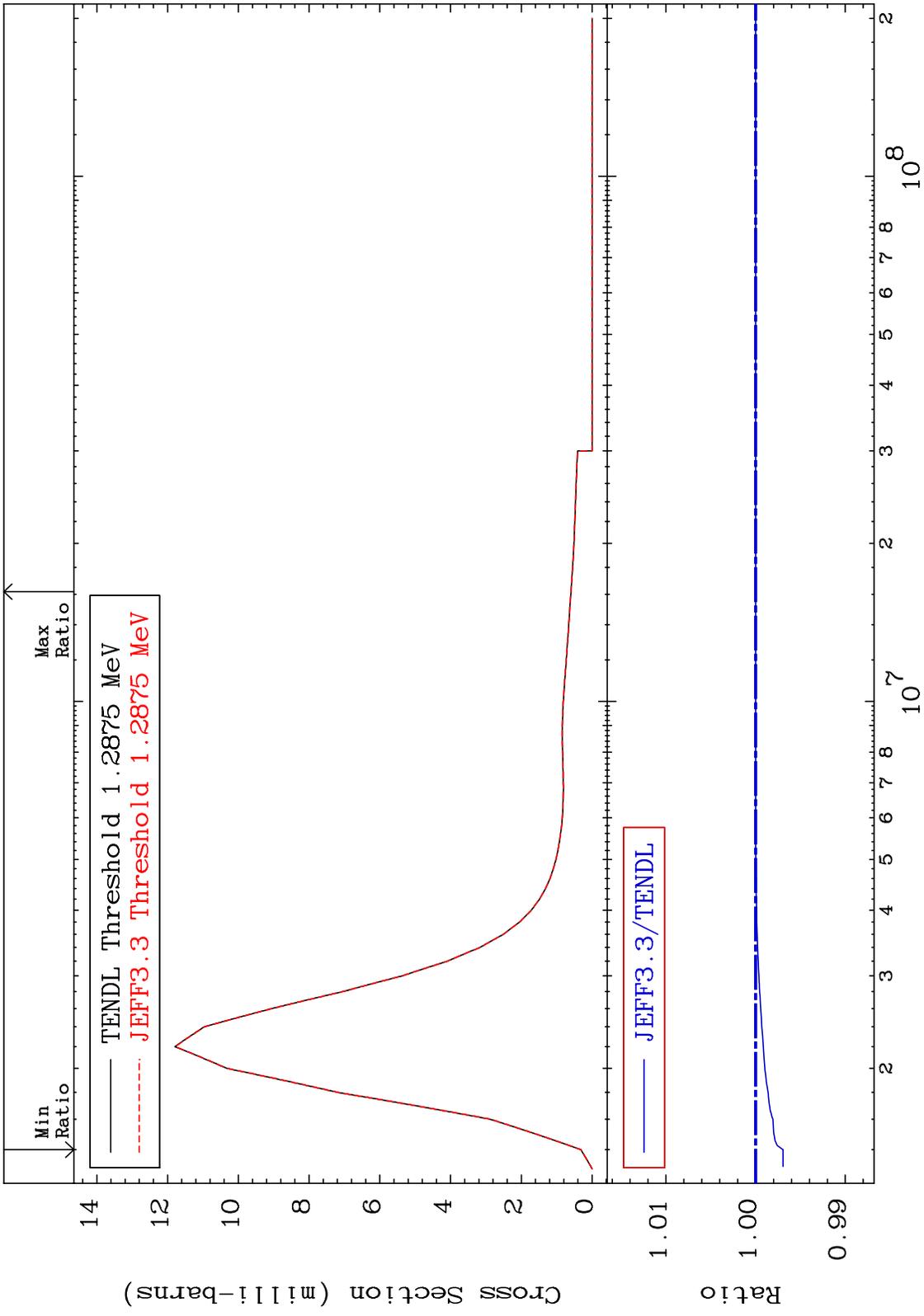
MAT 6243 MT= 57 (n, n') Level Cross Section 62-Sm-150 -0.067 To 0.000 %



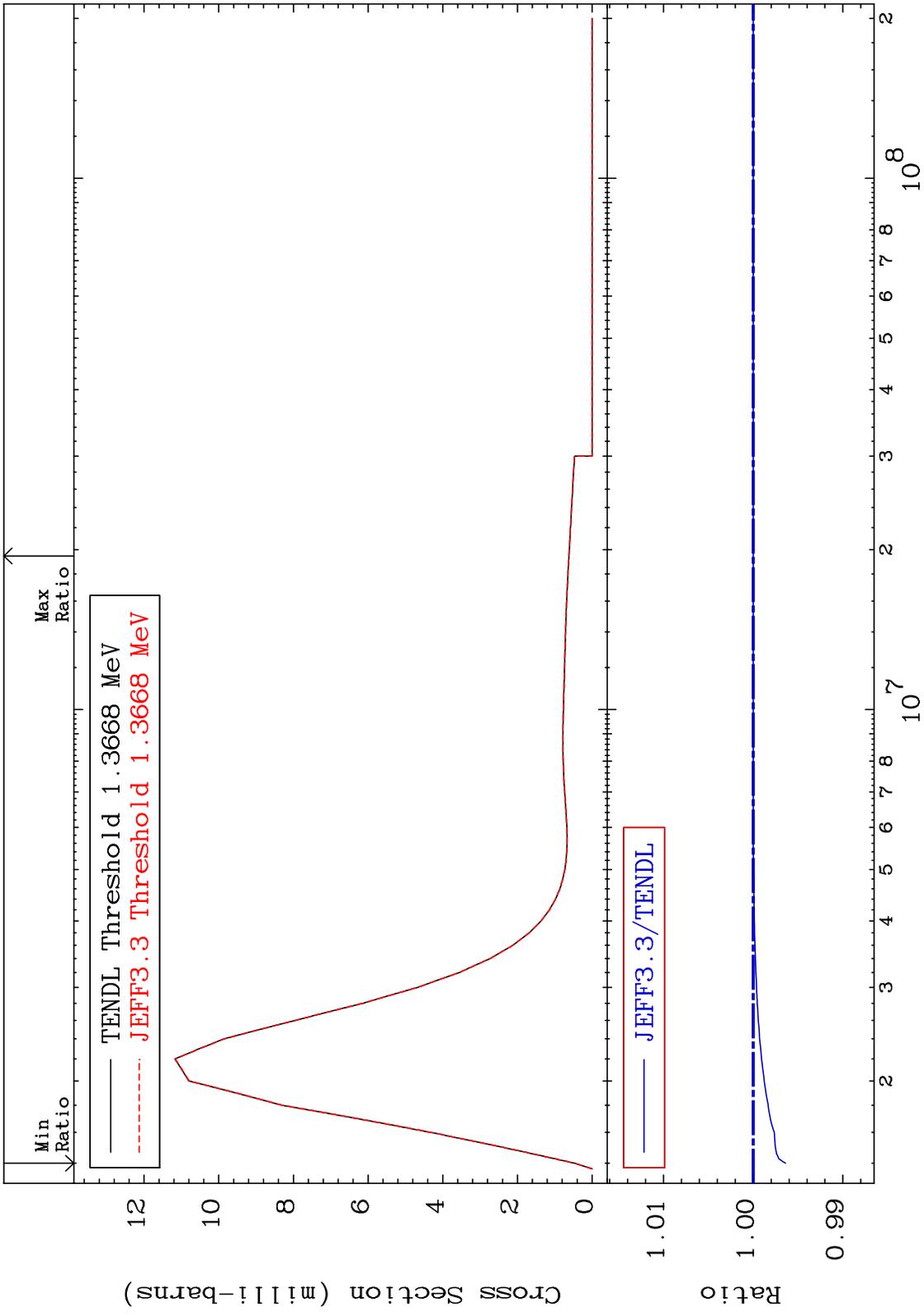
MAT 6243 MT= 58 (n,n') Level Cross Section 62-Sm-150 -0.058 To 0.009 %



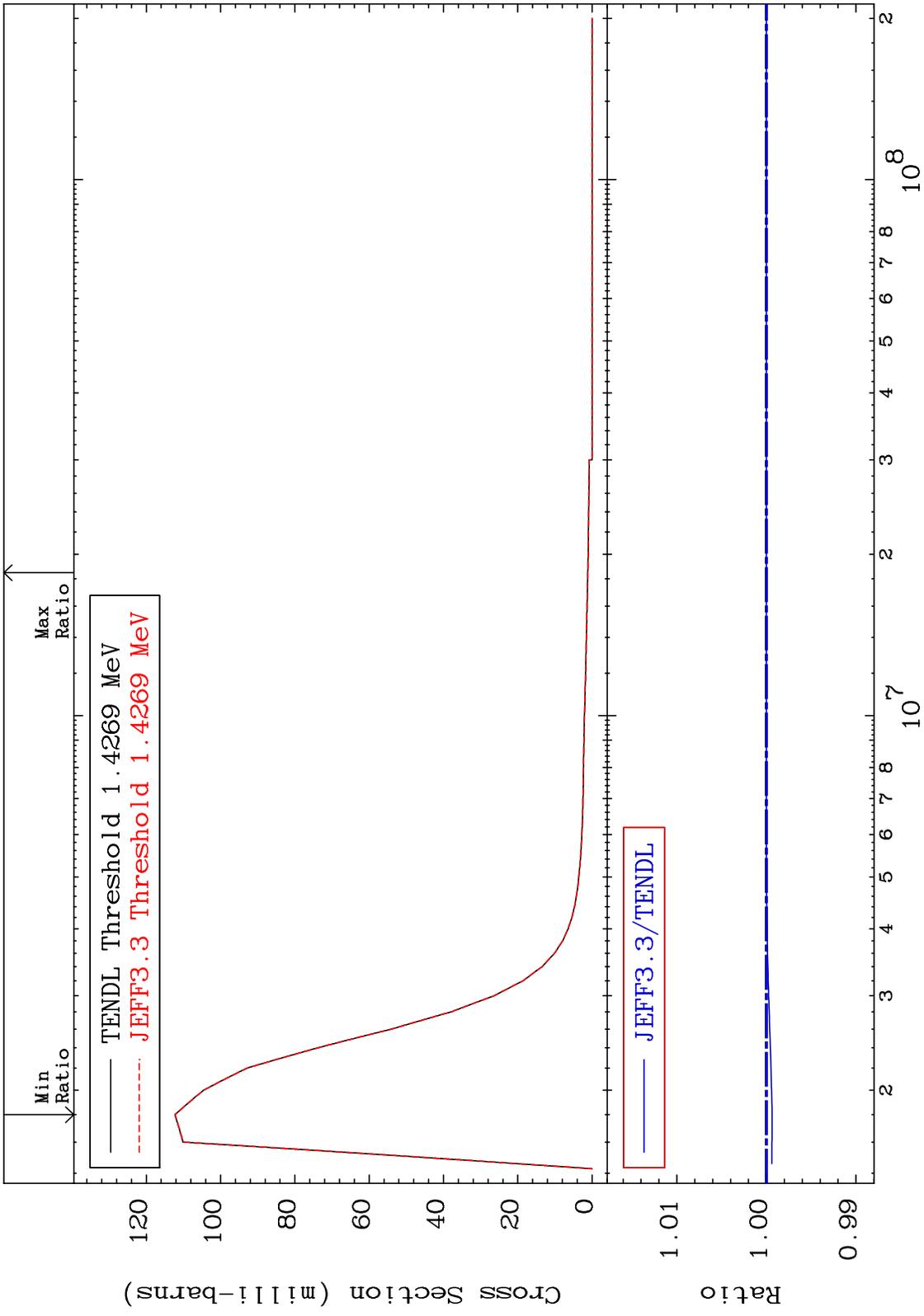
MAT 6243 MT= 59 (n,n') Level Cross Section 62-Sm-150
 -0.305 To 0.000 %



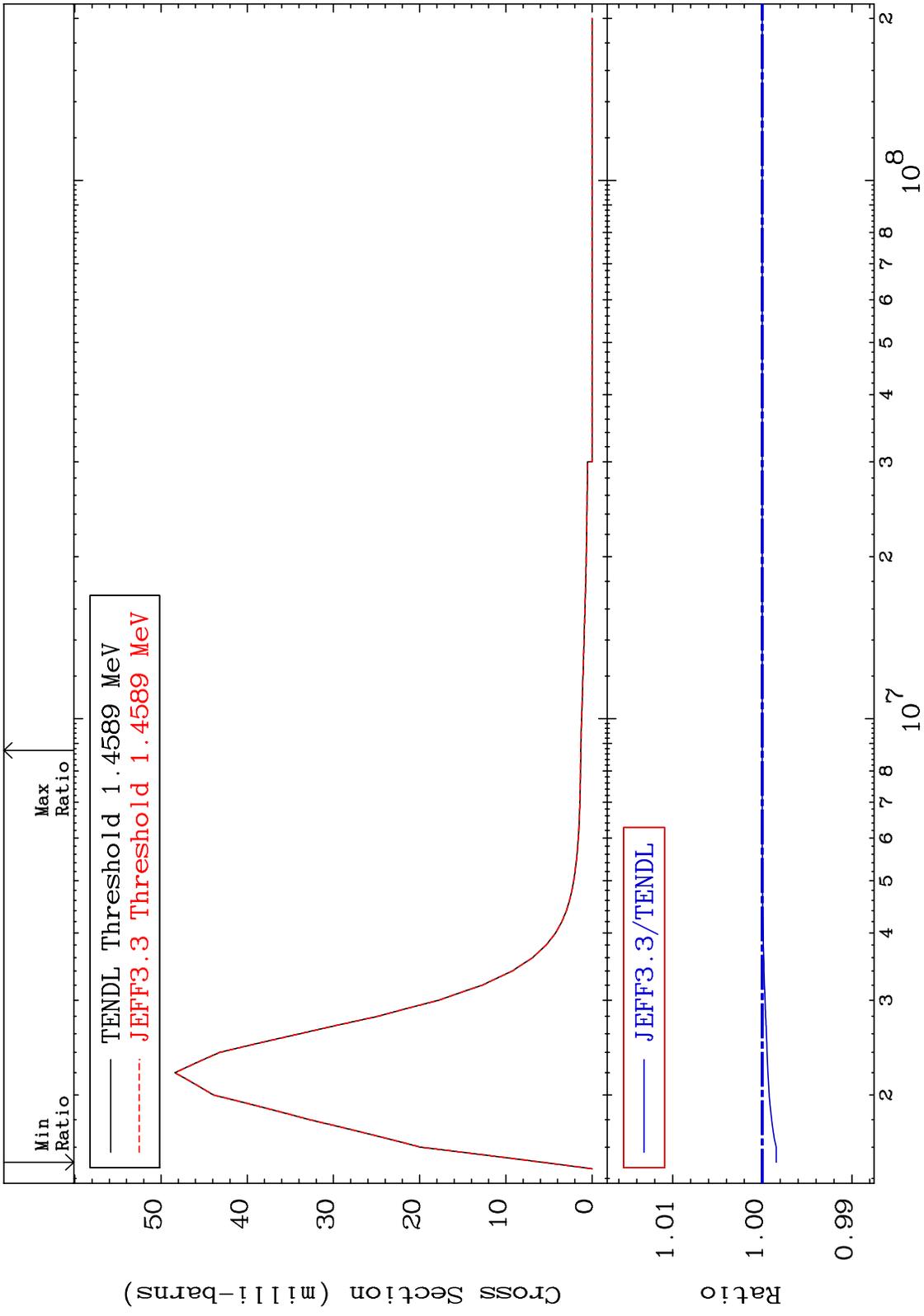
MAT 6243 MT= 60 (n,n') Level Cross Section 62-Sm-150
 -0.359 To 0.000 %



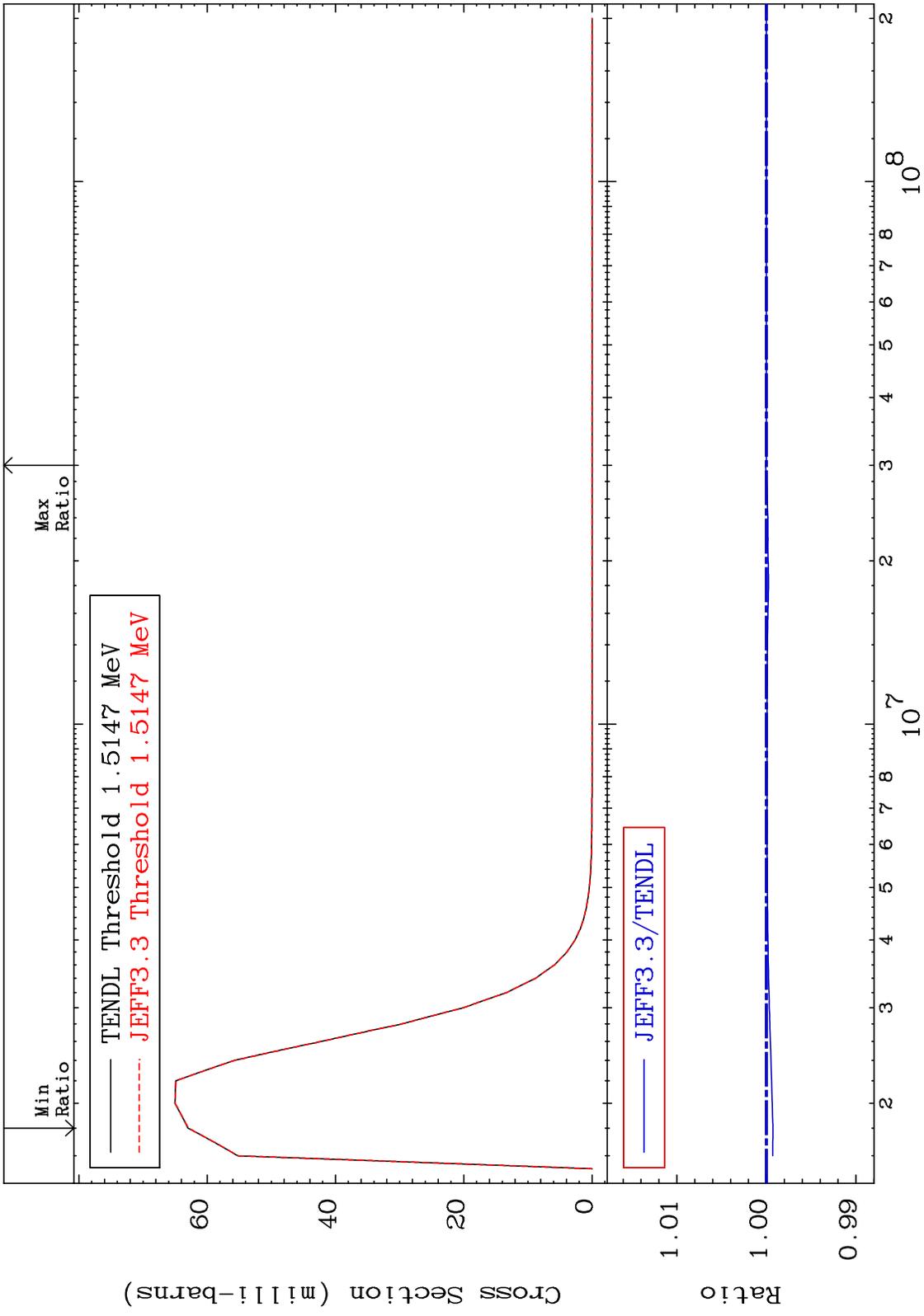
MAT 6243 MT= 61 (n,n') Level Cross Section 62-Sm-150
 -0.064 To 0.000 %



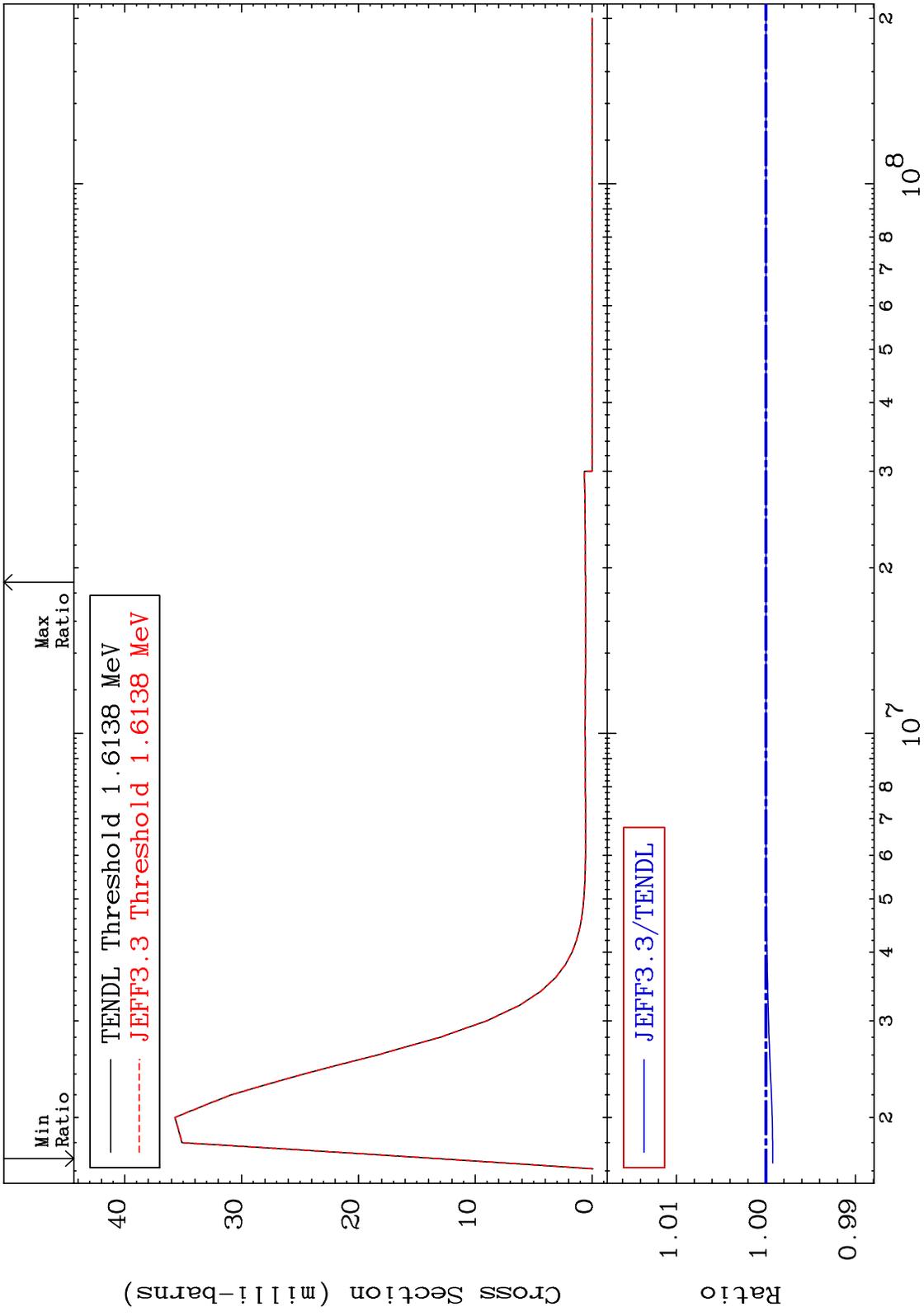
MAT 6243 MT= 62 (n,n') Level Cross Section 62-Sm-150
 -0.156 To 0.000 %



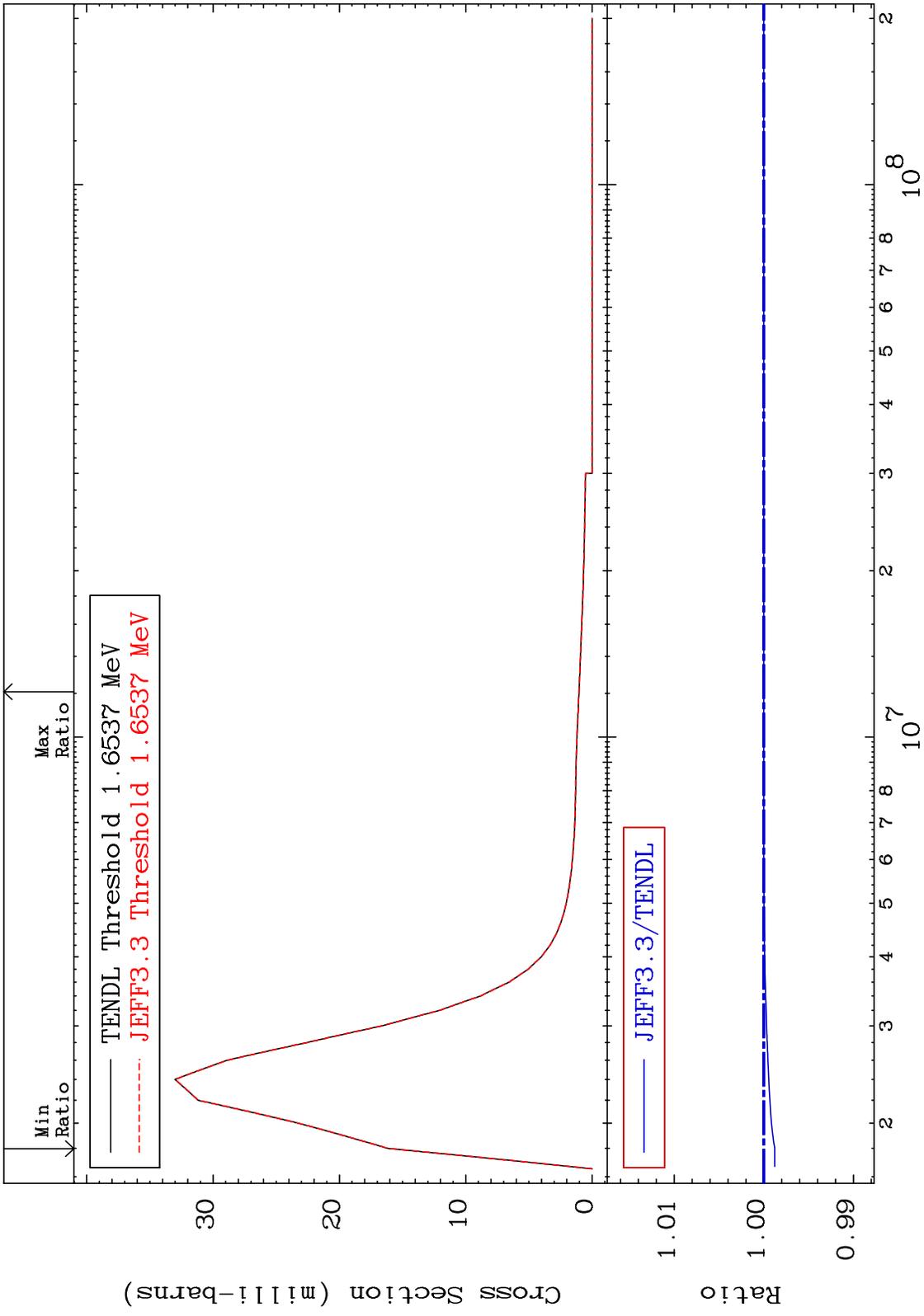
MAT 6243 MT= 63 (n,n') Level Cross Section 62-Sm-150
 -0.073 To 0.009 %



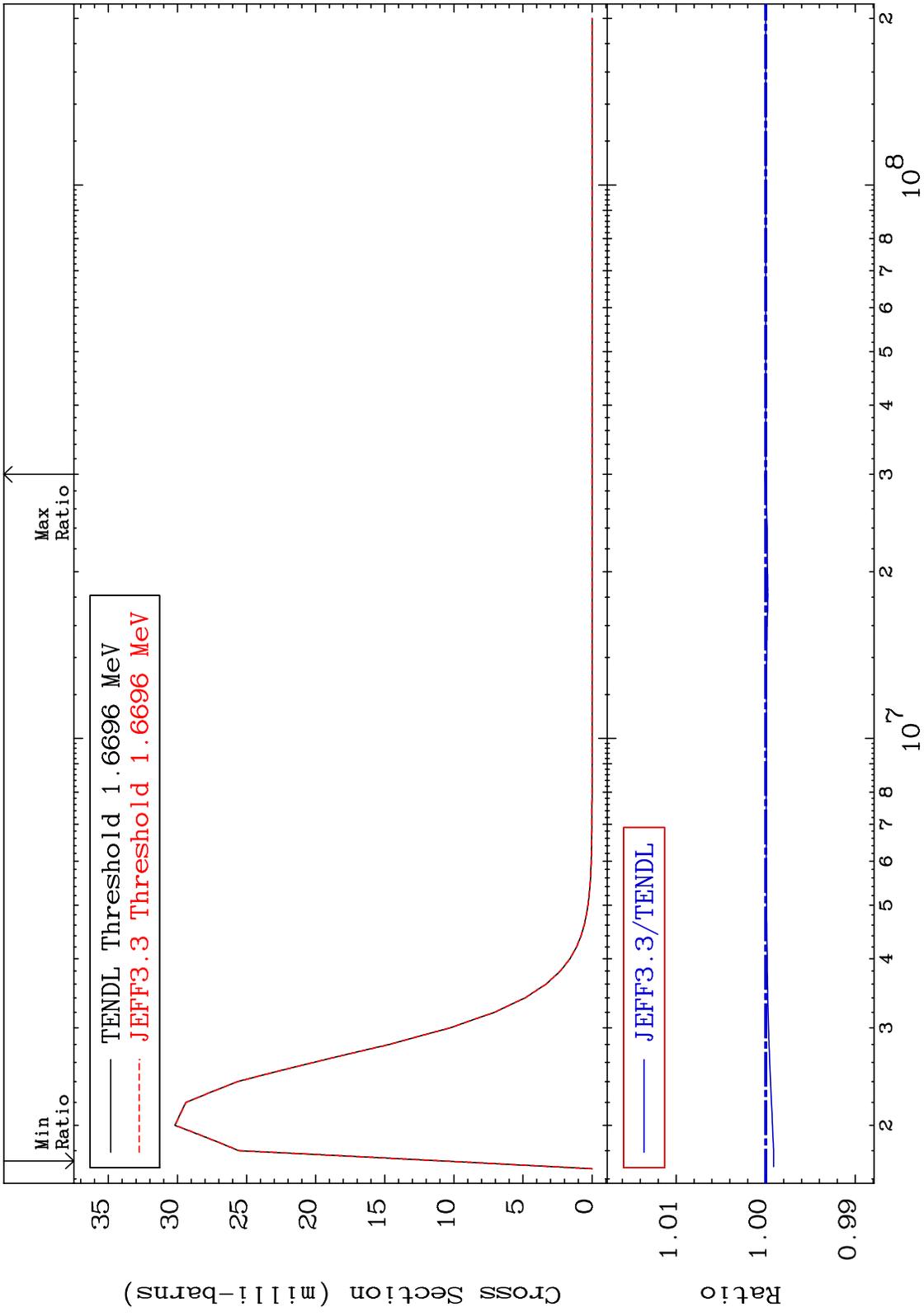
MAT 6243 MT= 64 (n,n') Level Cross Section 62-Sm-150
 -0.075 To 0.000 %



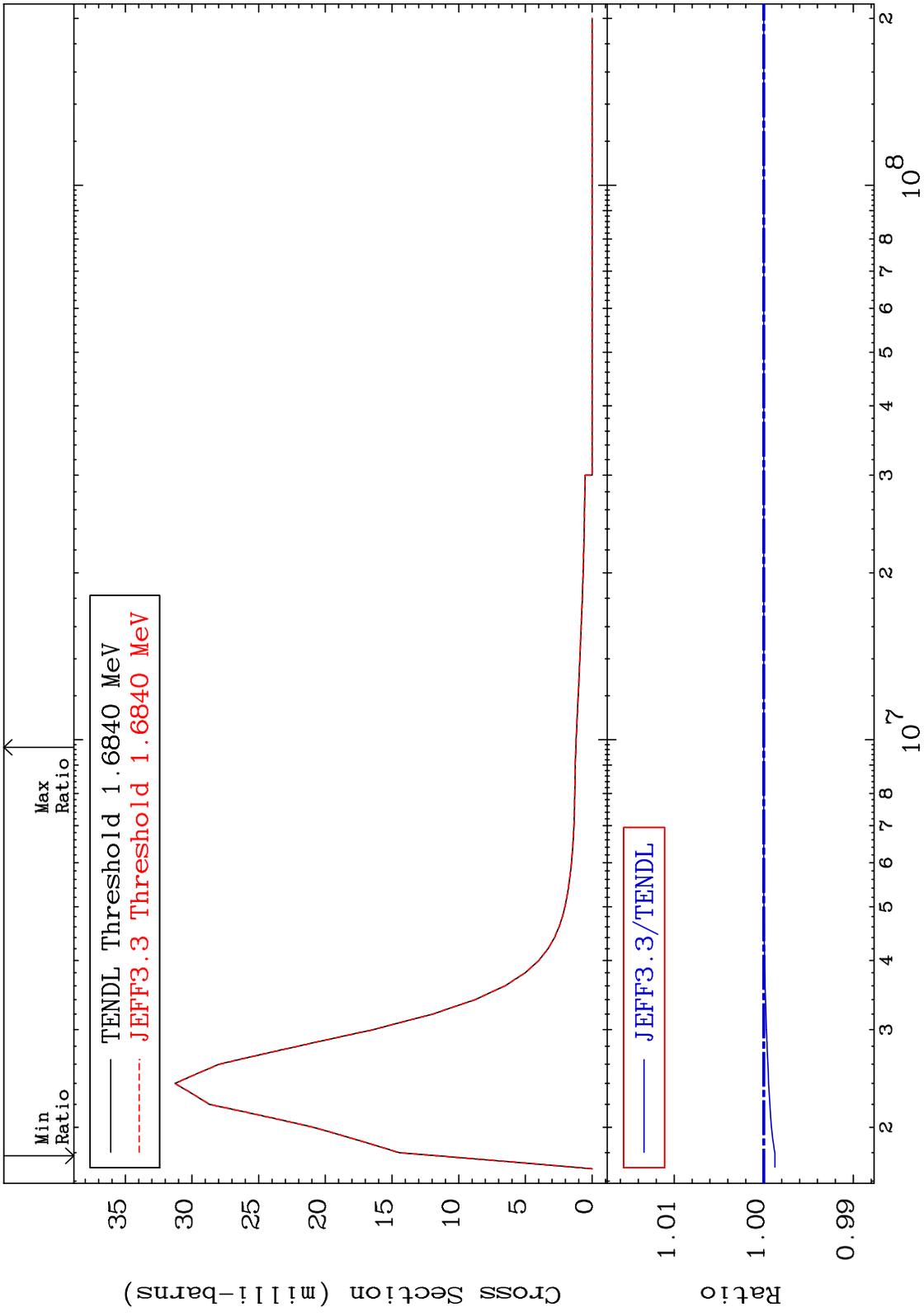
MAT 6243 MT= 65 (n,n') Level Cross Section 62-Sm-150
 -0.122 To 0.000 %



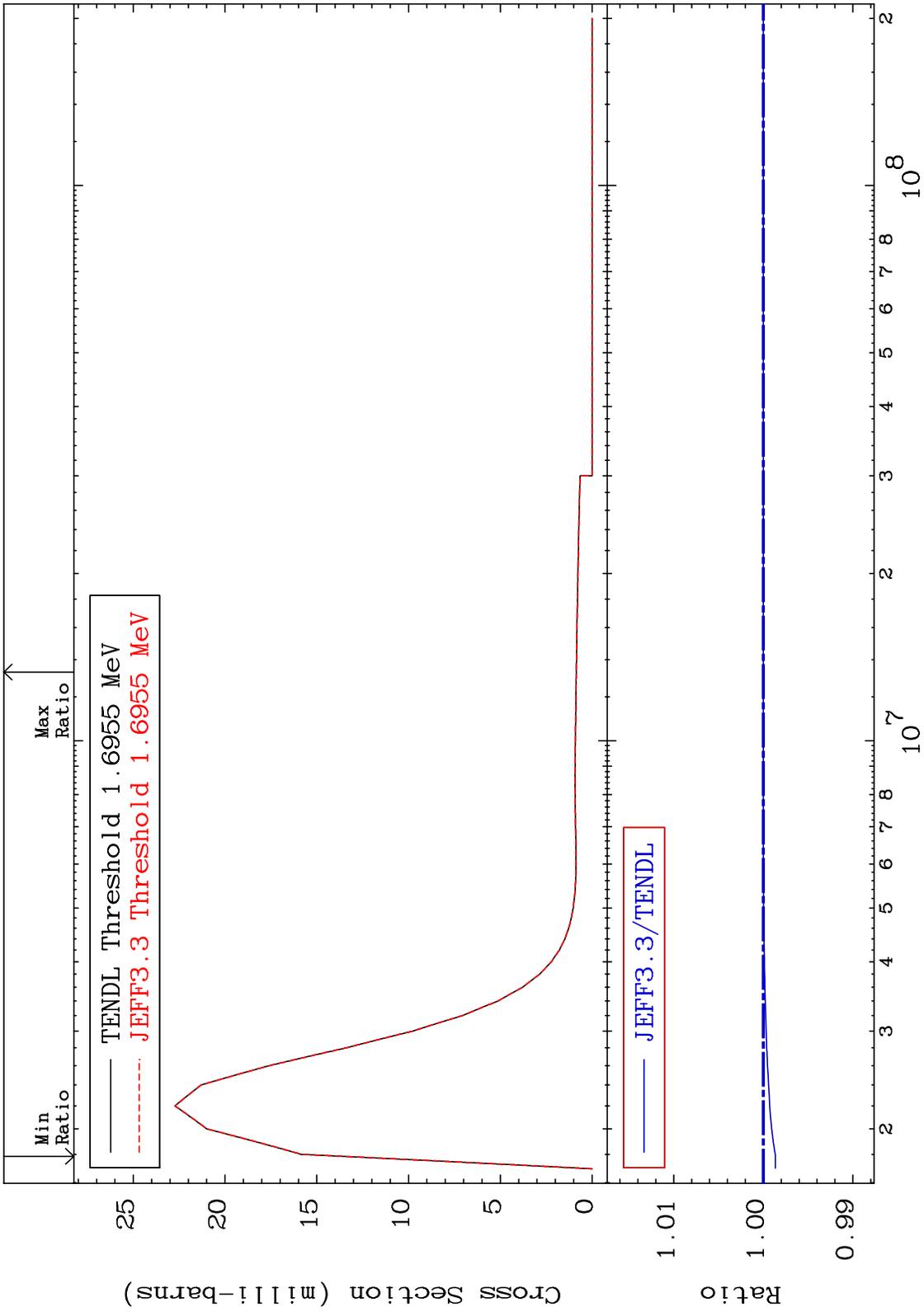
MAT 6243 MT= 66 (n,n') Level Cross Section 62-Sm-150
 -0.089 To 0.009 %



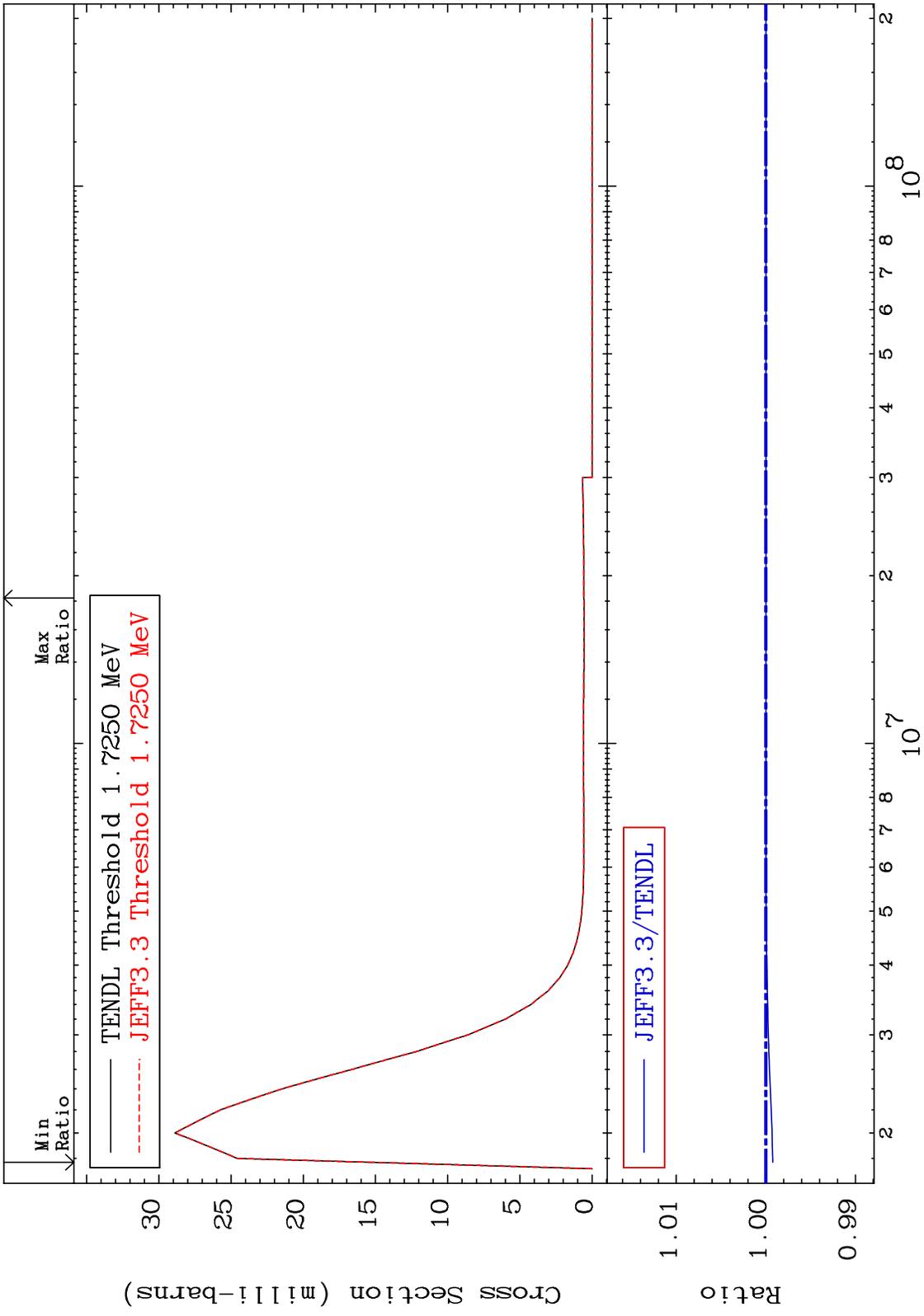
MAT 6243 MT= 67 (n,n') Level Cross Section 62-Sm-150
 -0.124 To 0.000 %



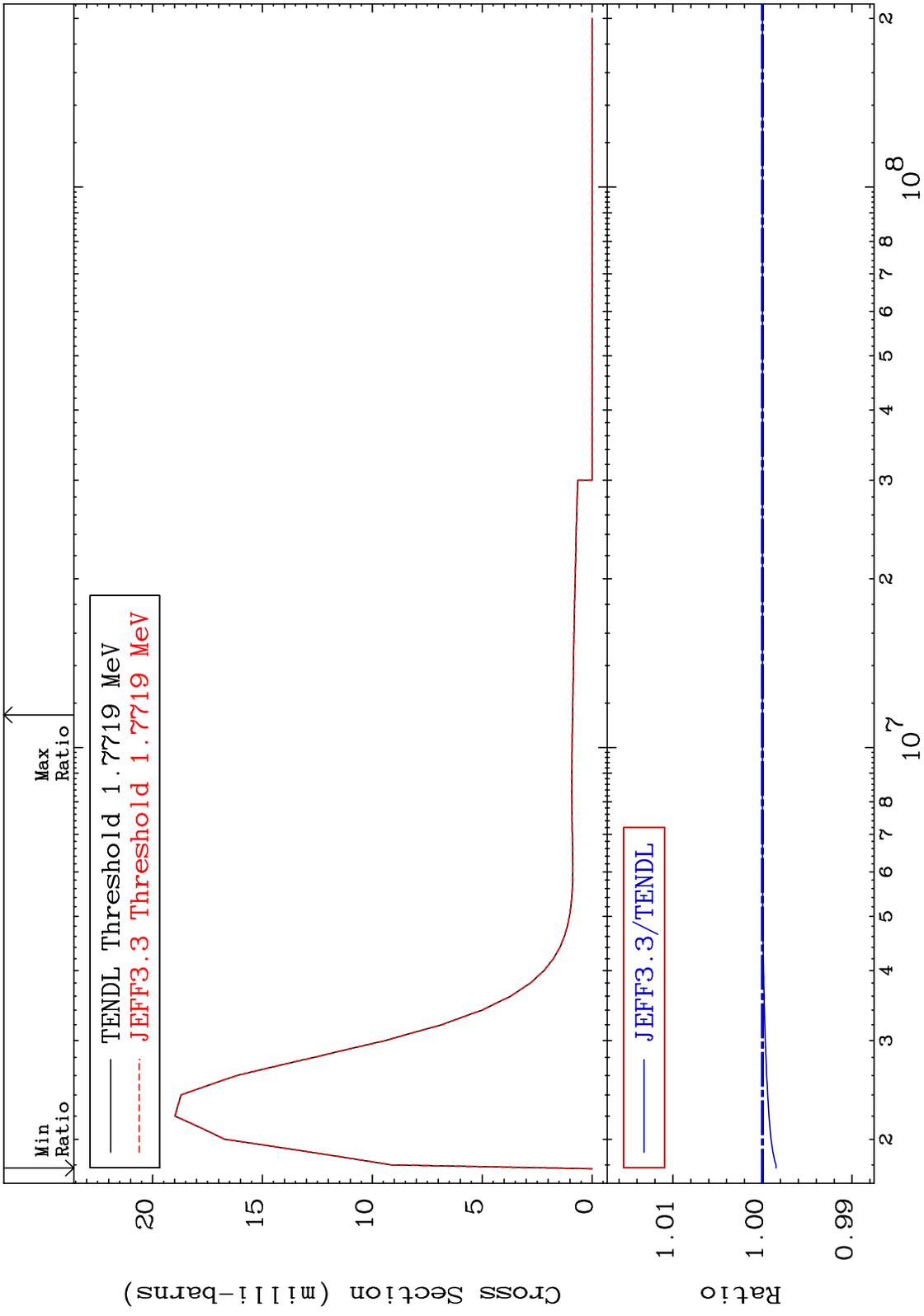
MAT 6243 MT= 68 (n,n') Level Cross Section 62-Sm-150
 -0.134 To 0.000 %



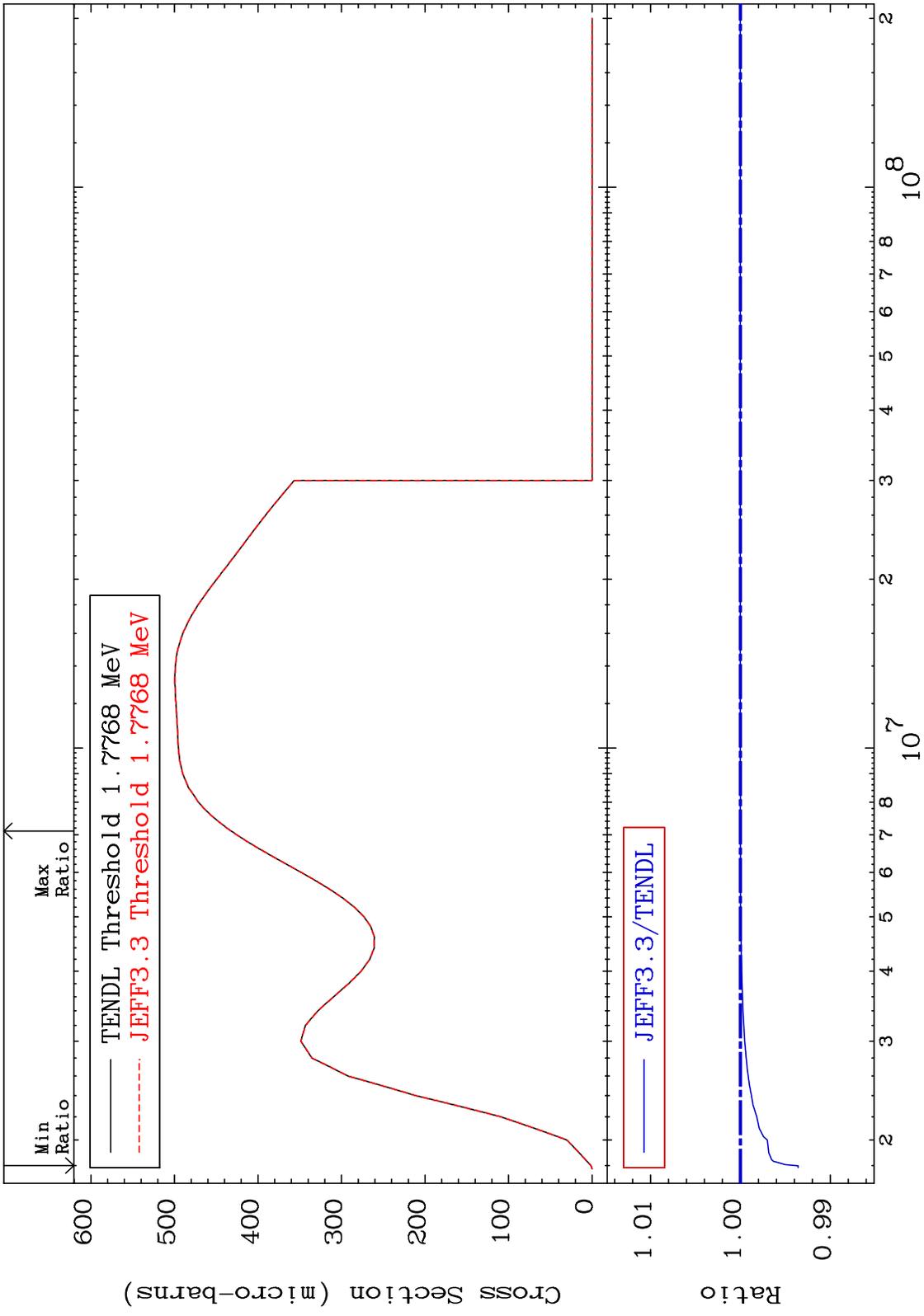
MAT 6243 MT= 69 (n,n') Level Cross Section 62-Sm-150 -0.077 To 0.000 %



MAT 6243 MT= 70 (n,n') Level Cross Section 62-Sm-150
 -0.152 To 0.000 %

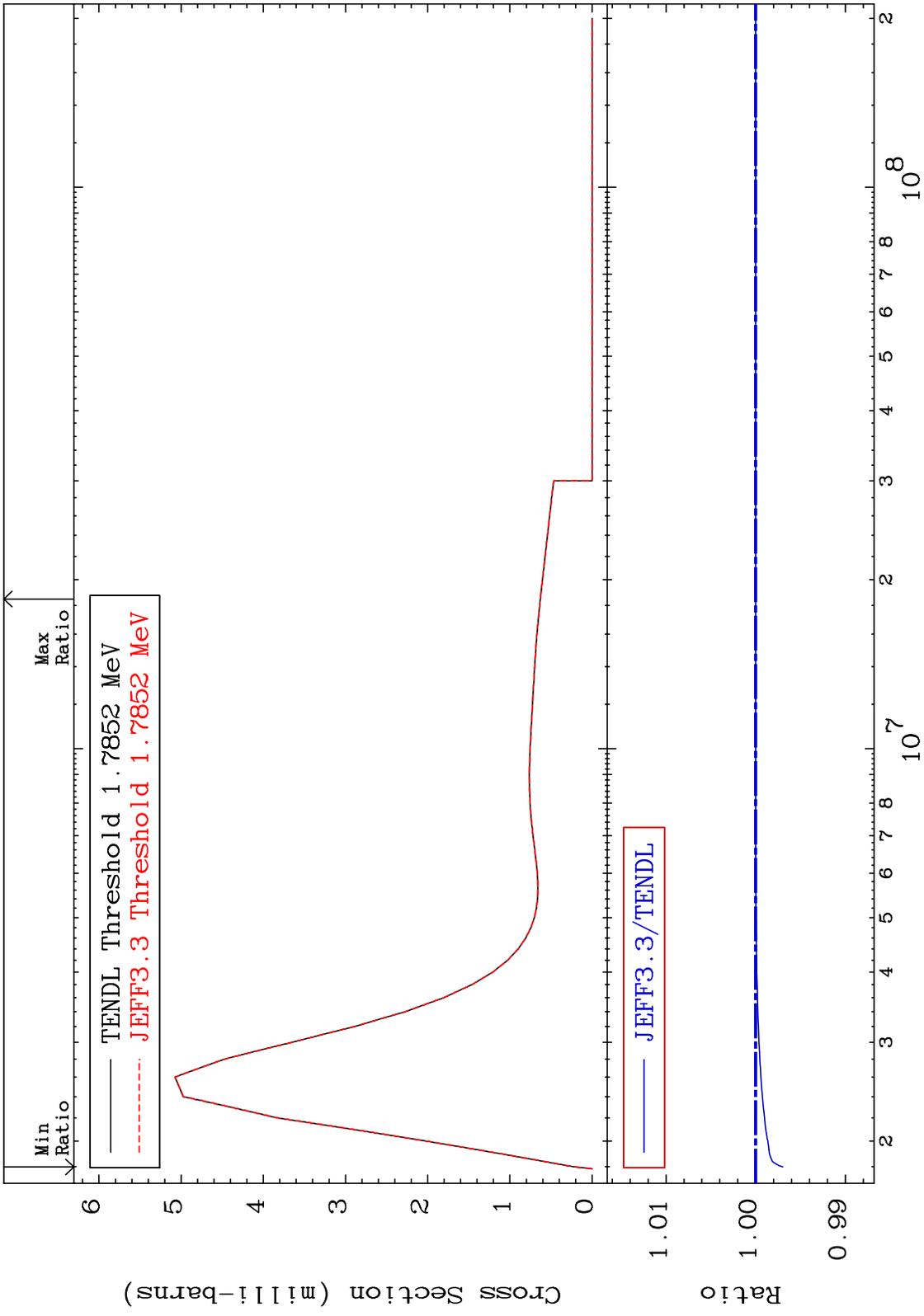


MAT 6243 MT= 71 (n,n') Level Cross Section 62-Sm-150
 -0.642 To 0.000 %

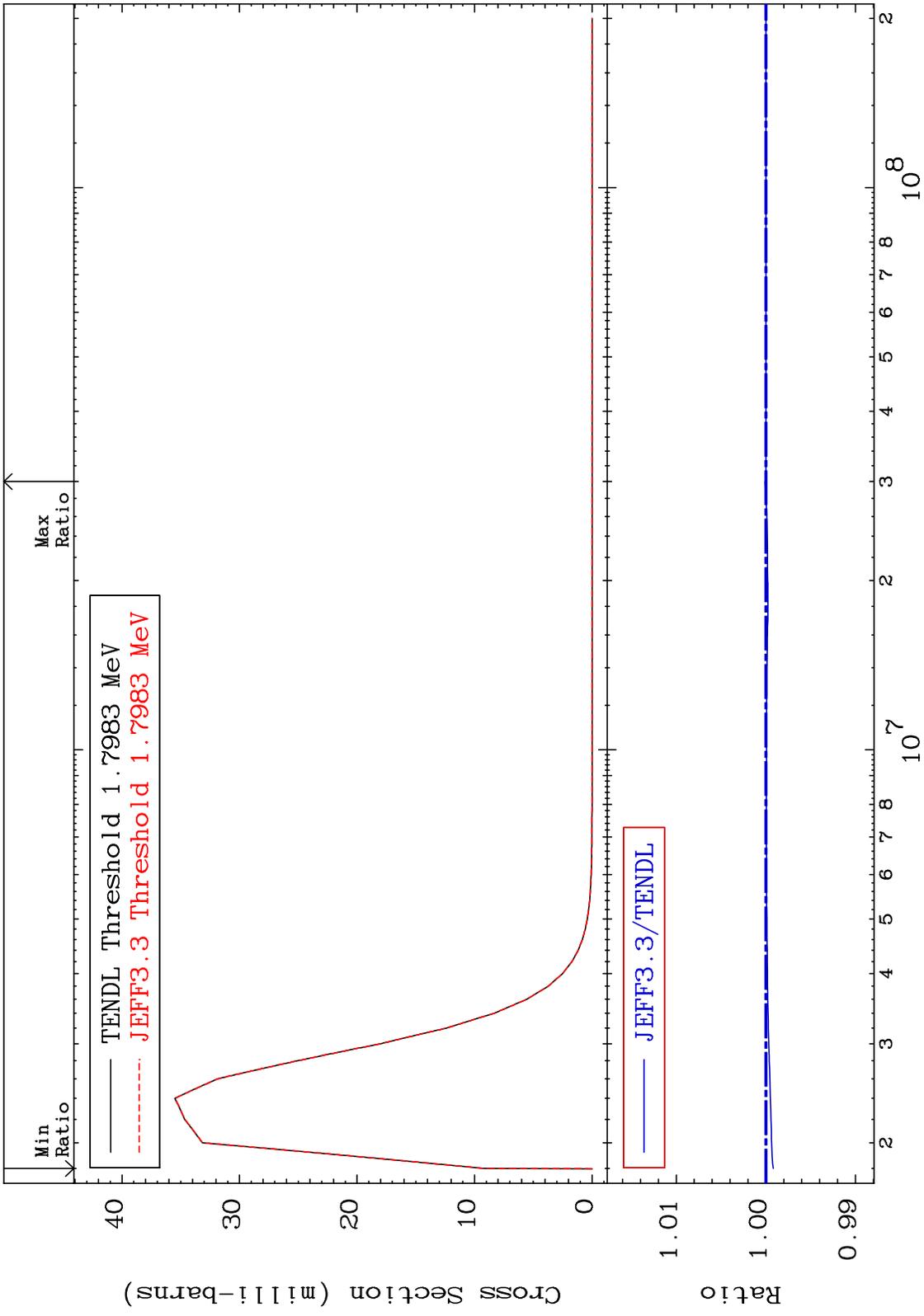


40 Incident Energy (eV) 62-Sm-150

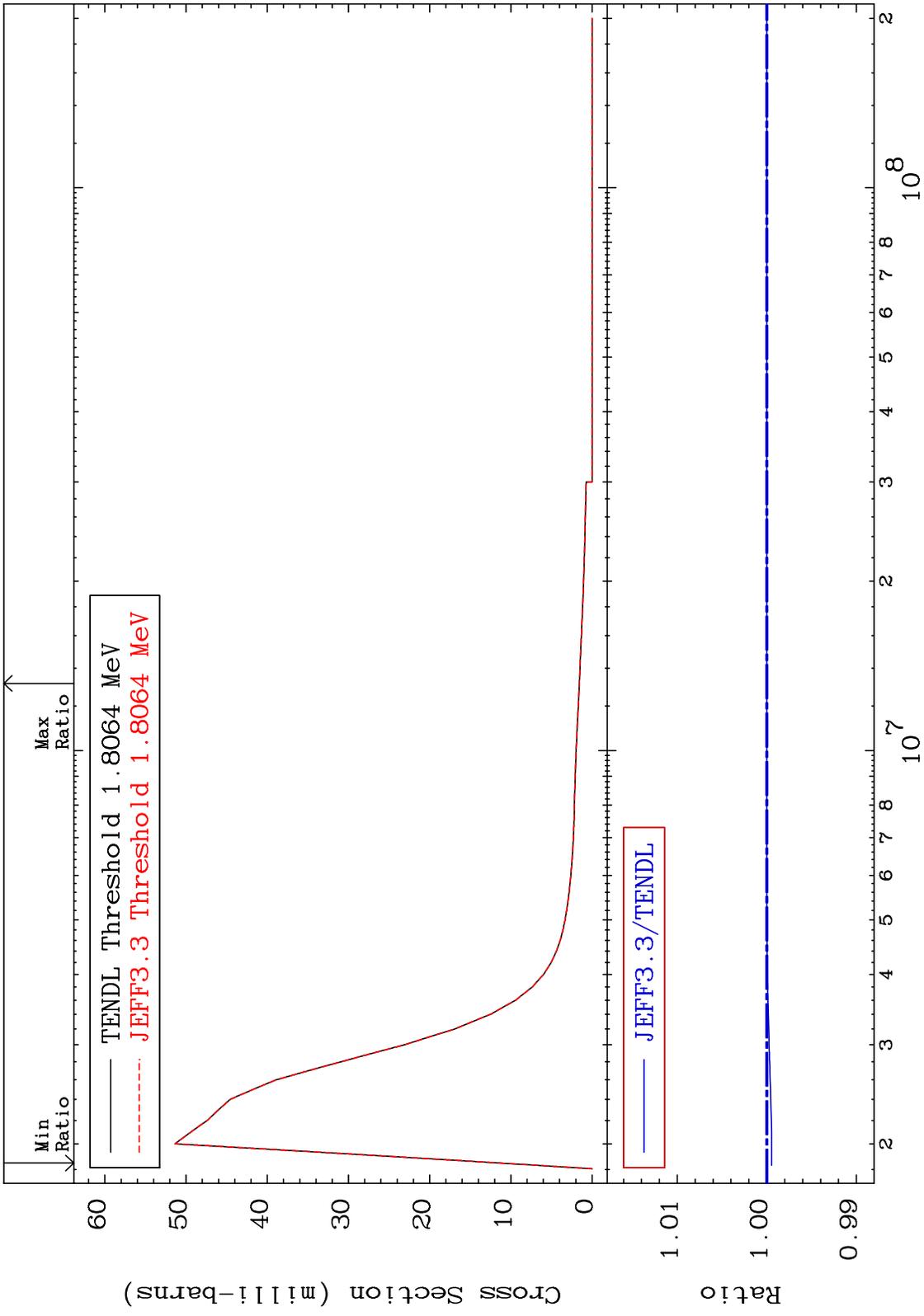
MAT 6243 MT= 72 (n,n') Level Cross Section 62-Sm-150
 -0.303 To 0.000 %



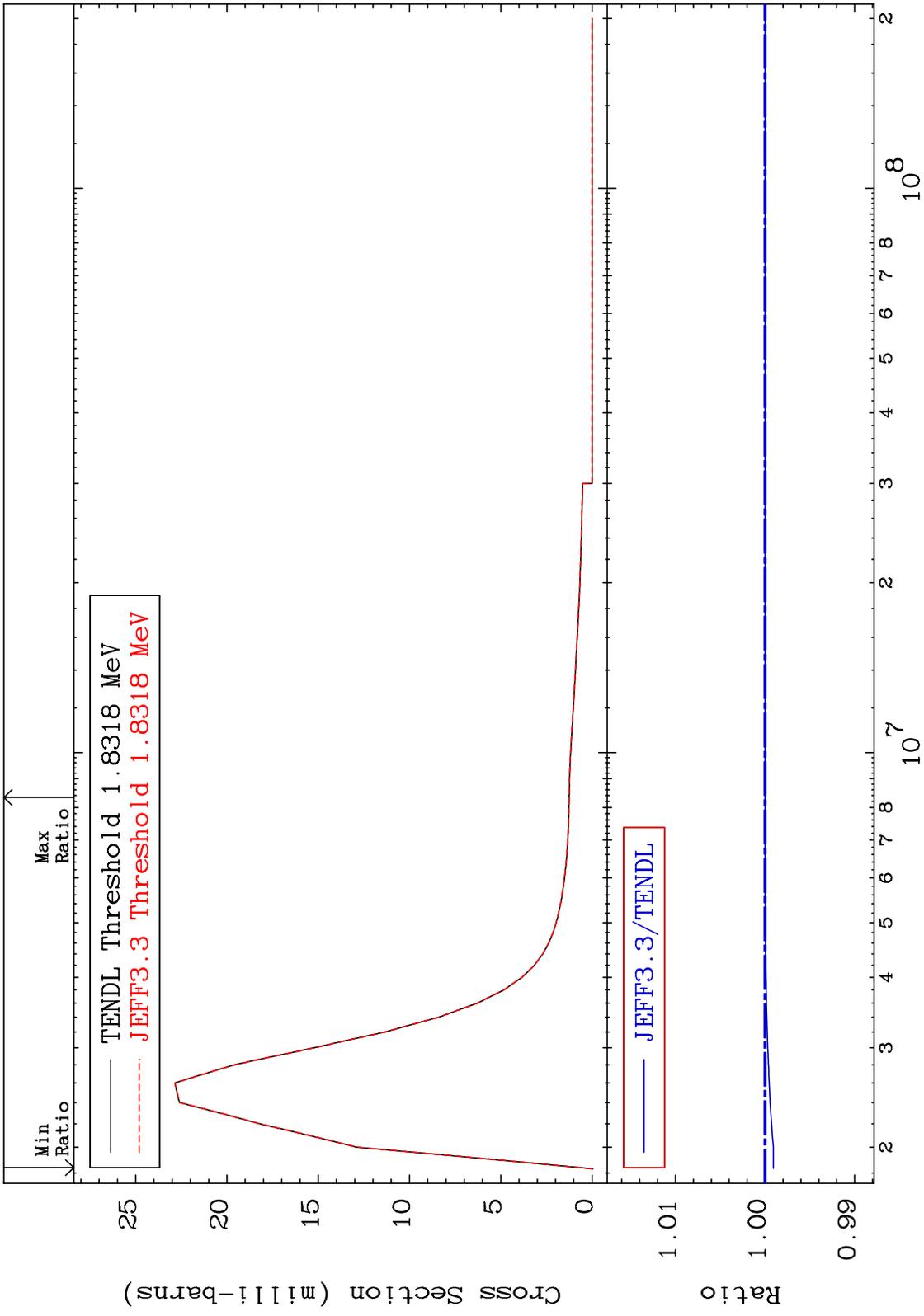
MAT 6243 MT= 73 (n,n') Level Cross Section 62-Sm-150
 -0.085 To 0.009 %



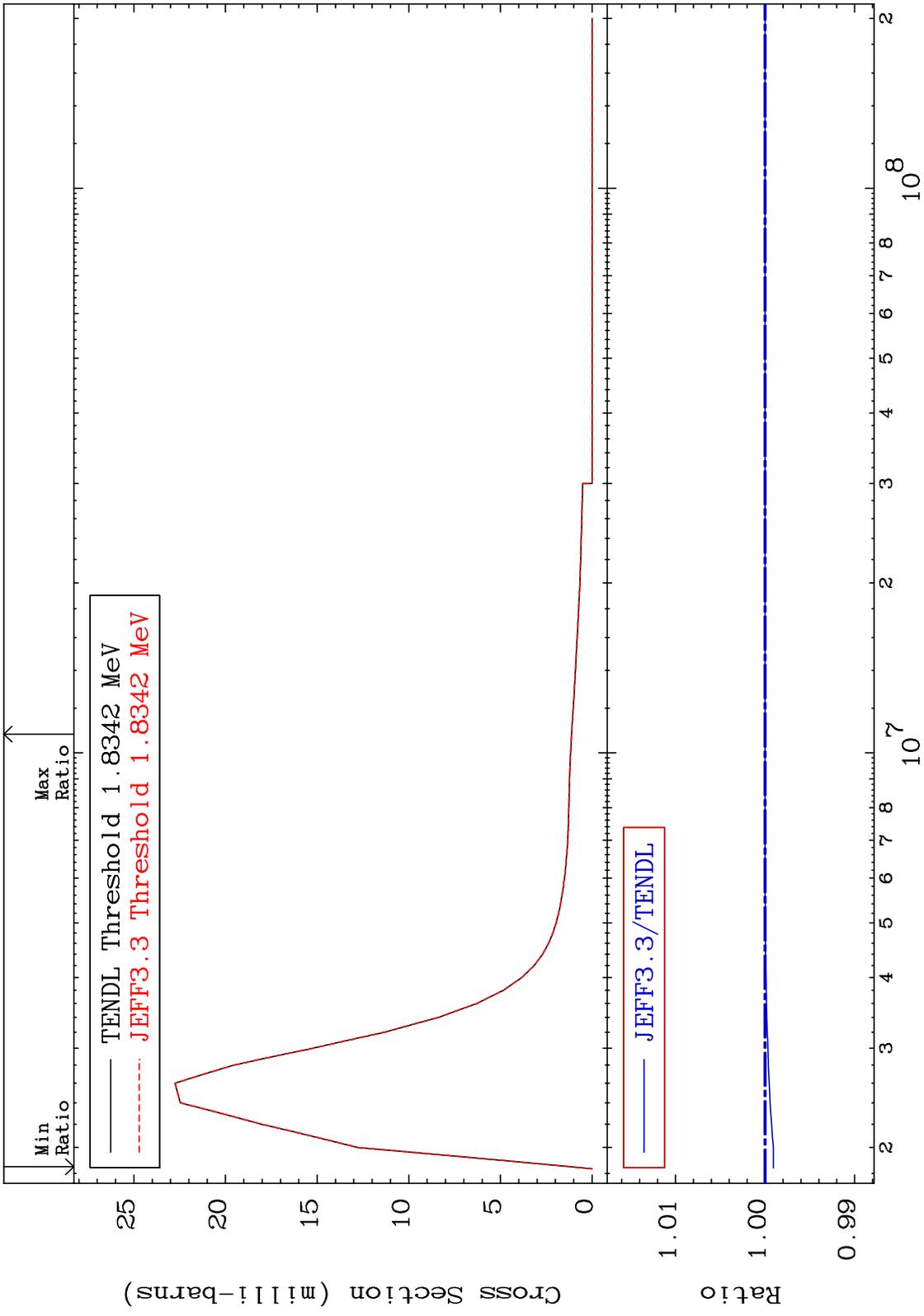
MAT 6243 MT= 74 (n,n') Level Cross Section 62-Sm-150
 -0.055 To 0.000 %



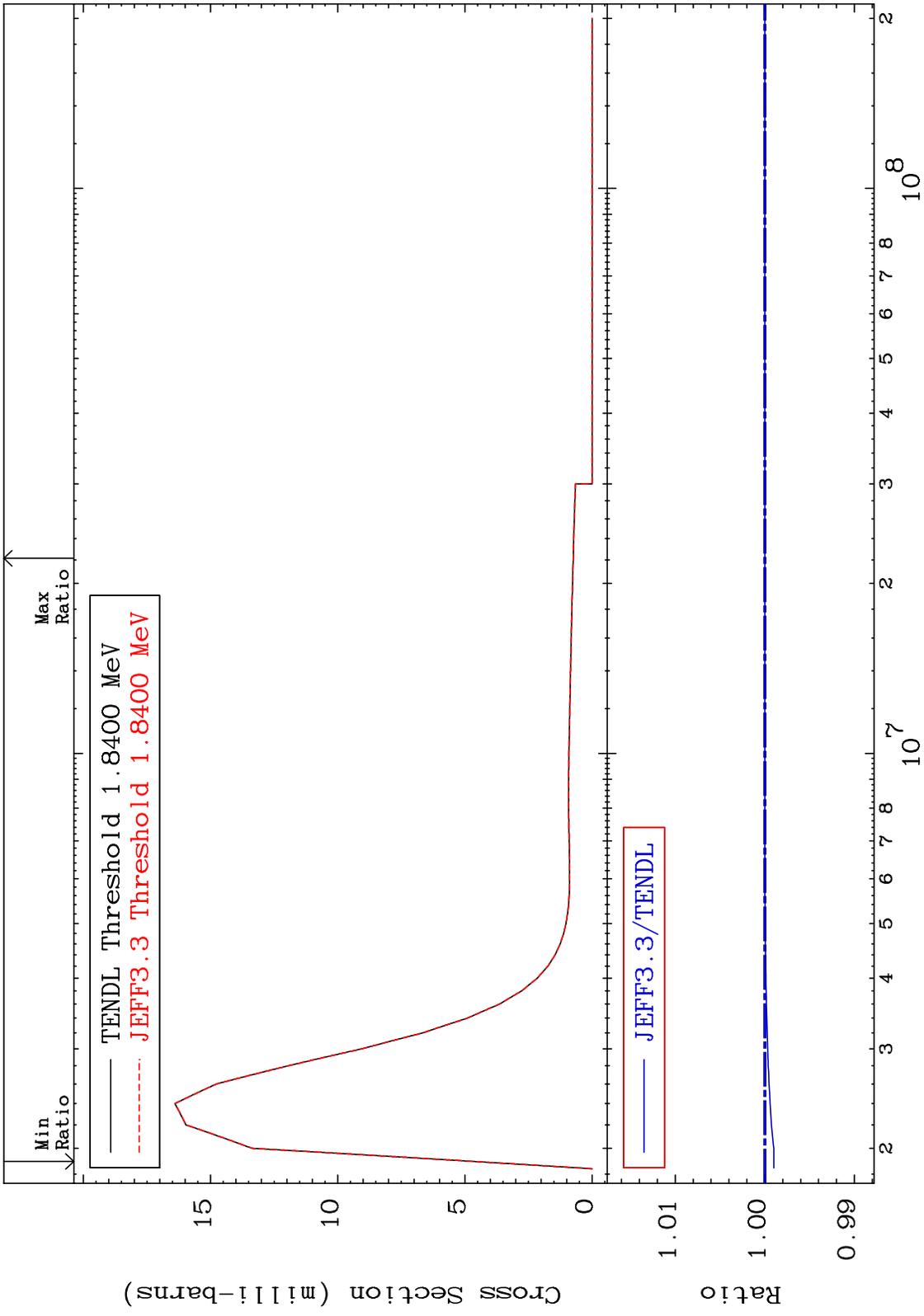
MAT 6243 MT= 75 (n,n') Level Cross Section 62-Sm-150
 -0.094 To 0.000 %



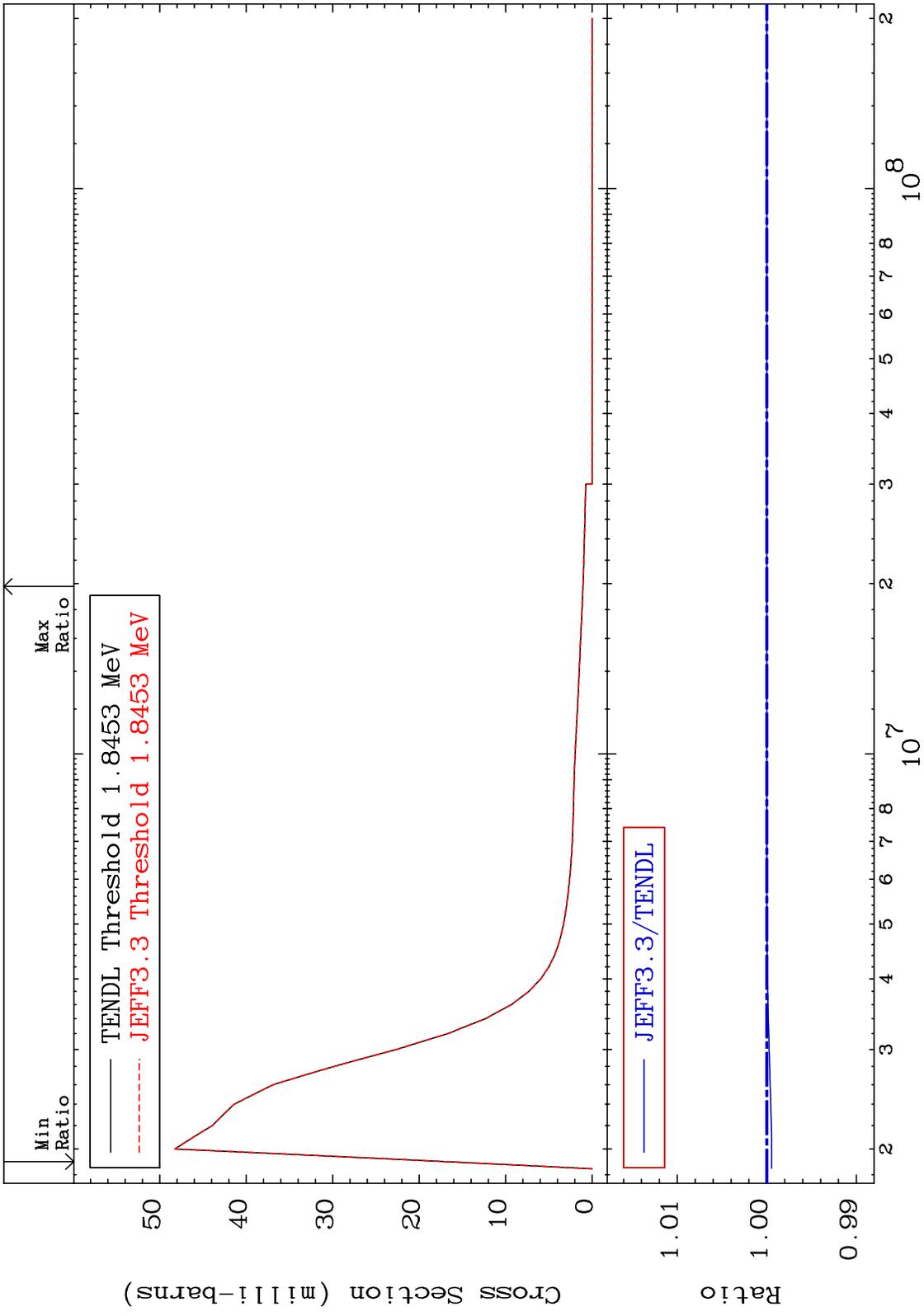
MAT 6243 MT= 76 (n,n') Level Cross Section 62-Sm-150
 -0.094 To 0.000 %



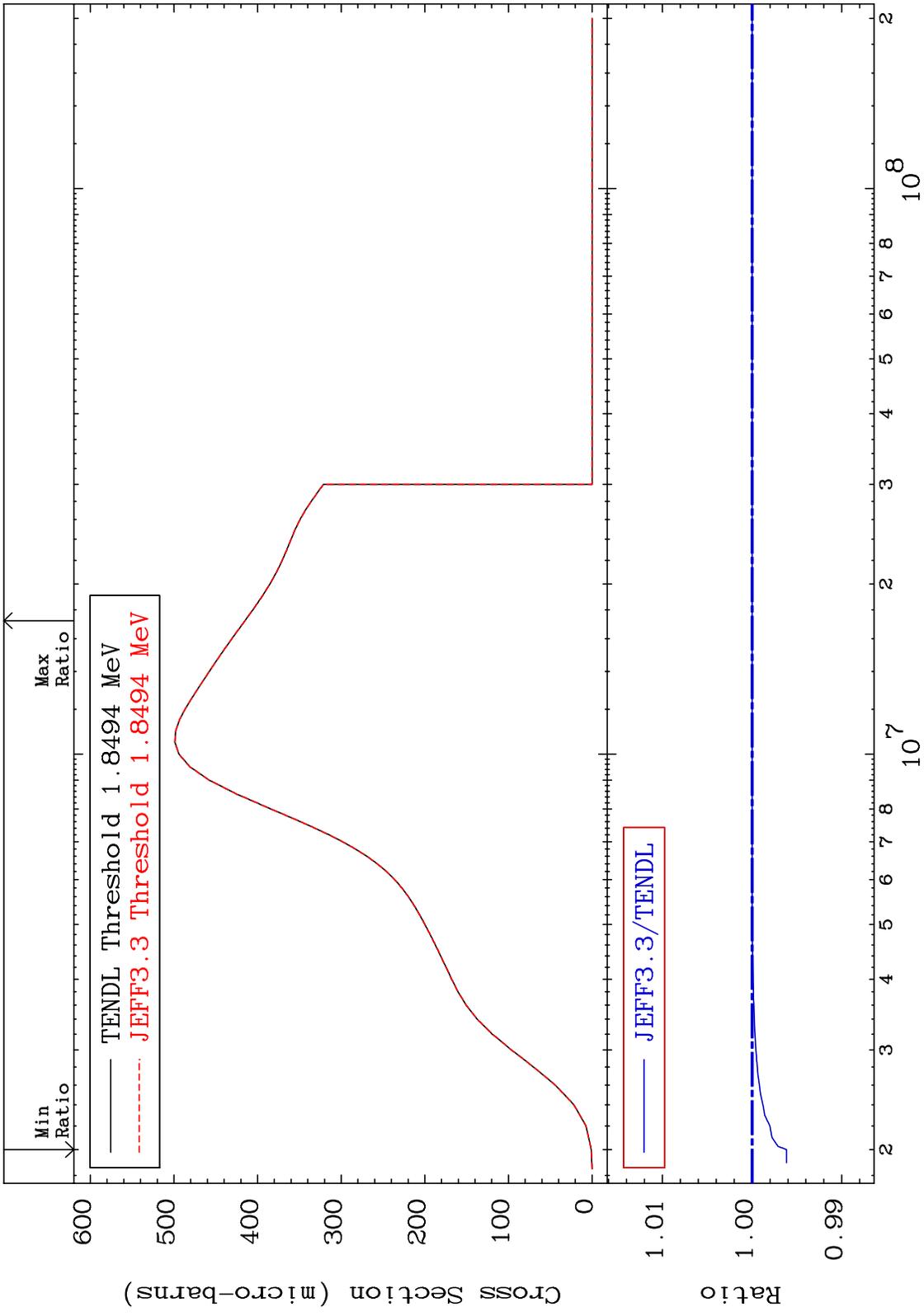
MAT 6243 MT= 77 (n,n') Level Cross Section 62-Sm-150
 -0.099 To 0.000 %



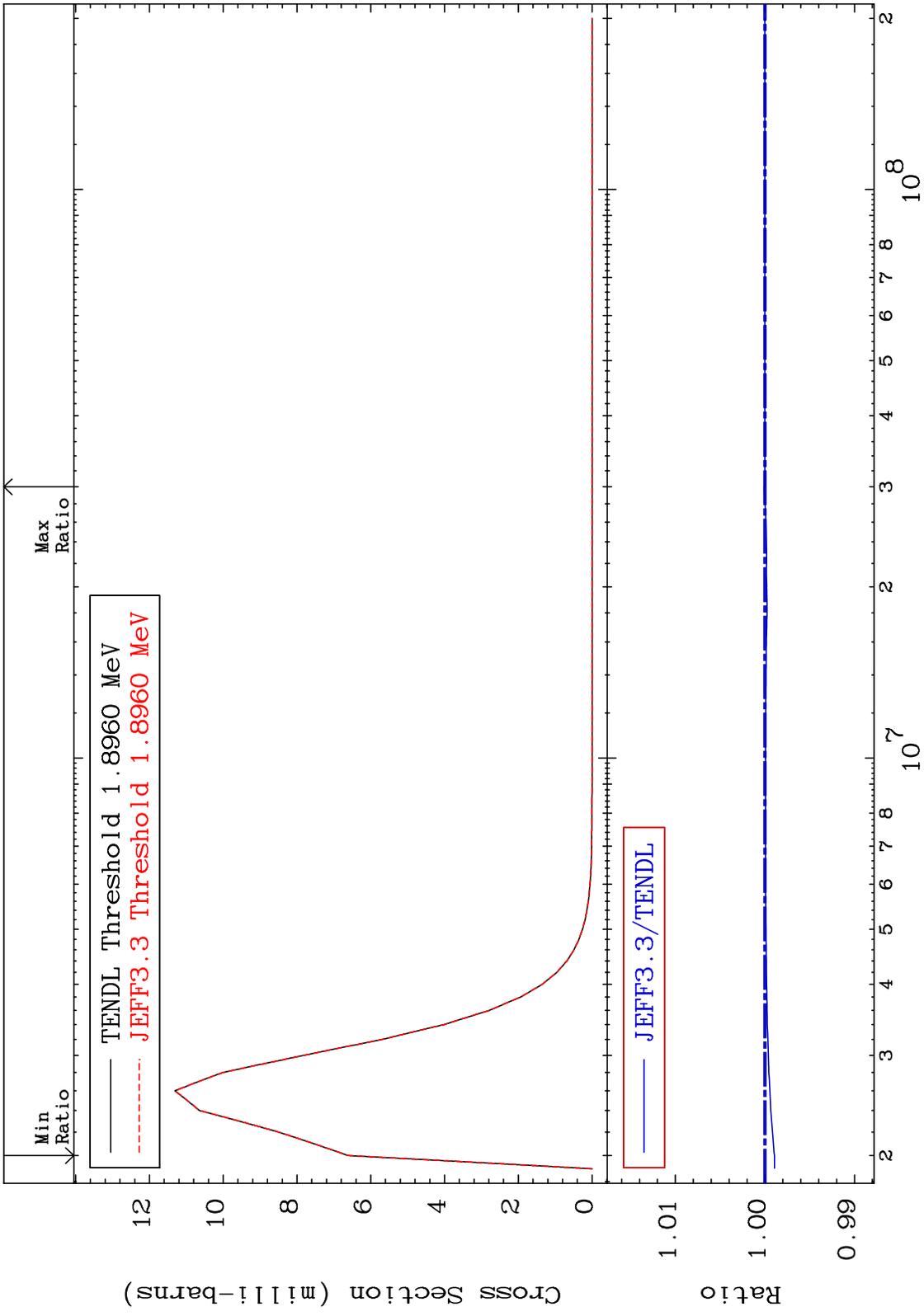
MAT 6243 MT= 78 (n,n') Level Cross Section 62-Sm-150 -0.054 To 0.000 %



MAT 6243 MT= 79 (n,n') Level Cross Section 62-Sm-150
 -0.384 To 0.000 %



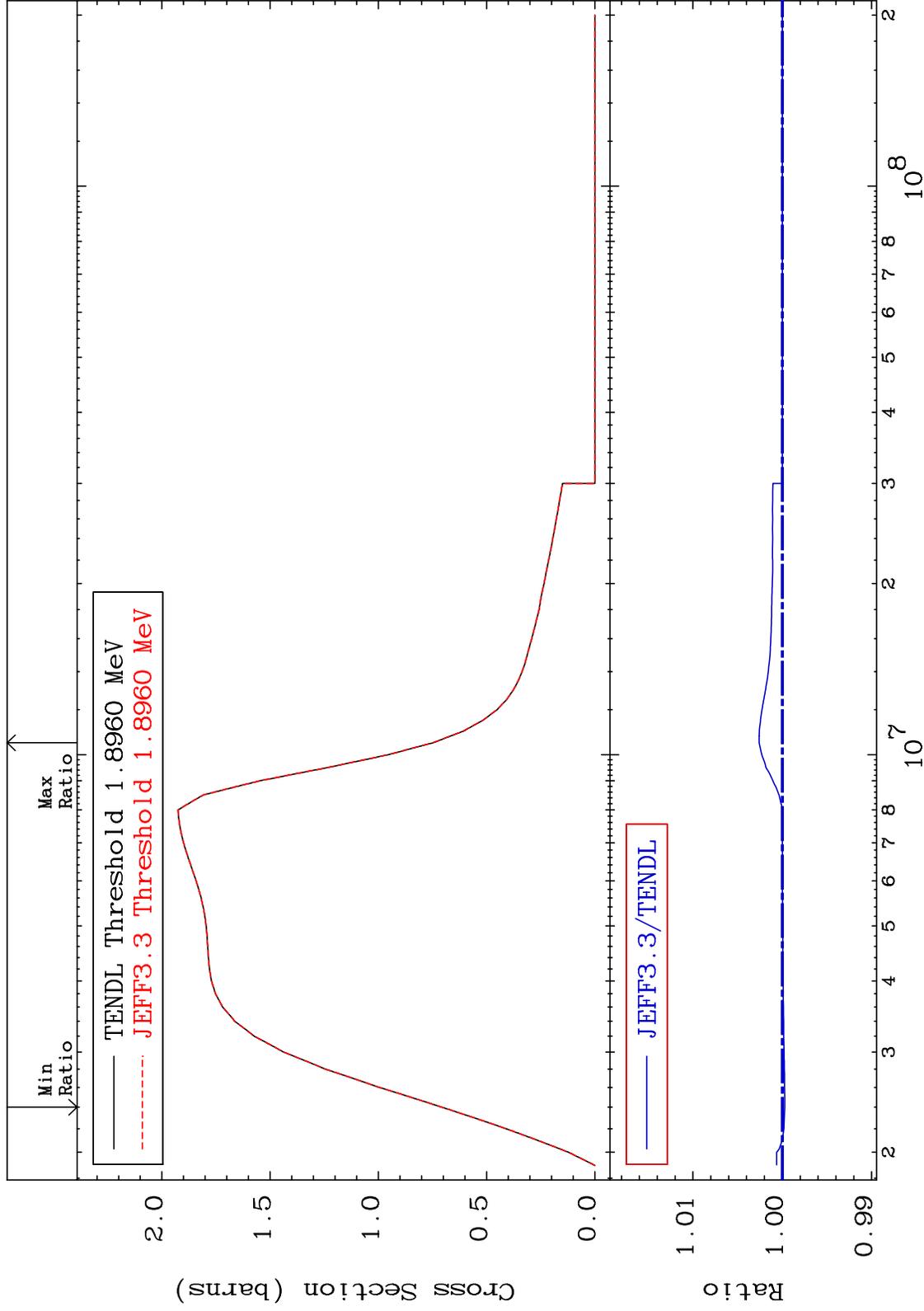
MAT 6243 MT= 80 (n,n') Level Cross Section 62-Sm-150
-0.106 To 0.009 %



MAT 6243

(n, n') Continuum
Cross Section

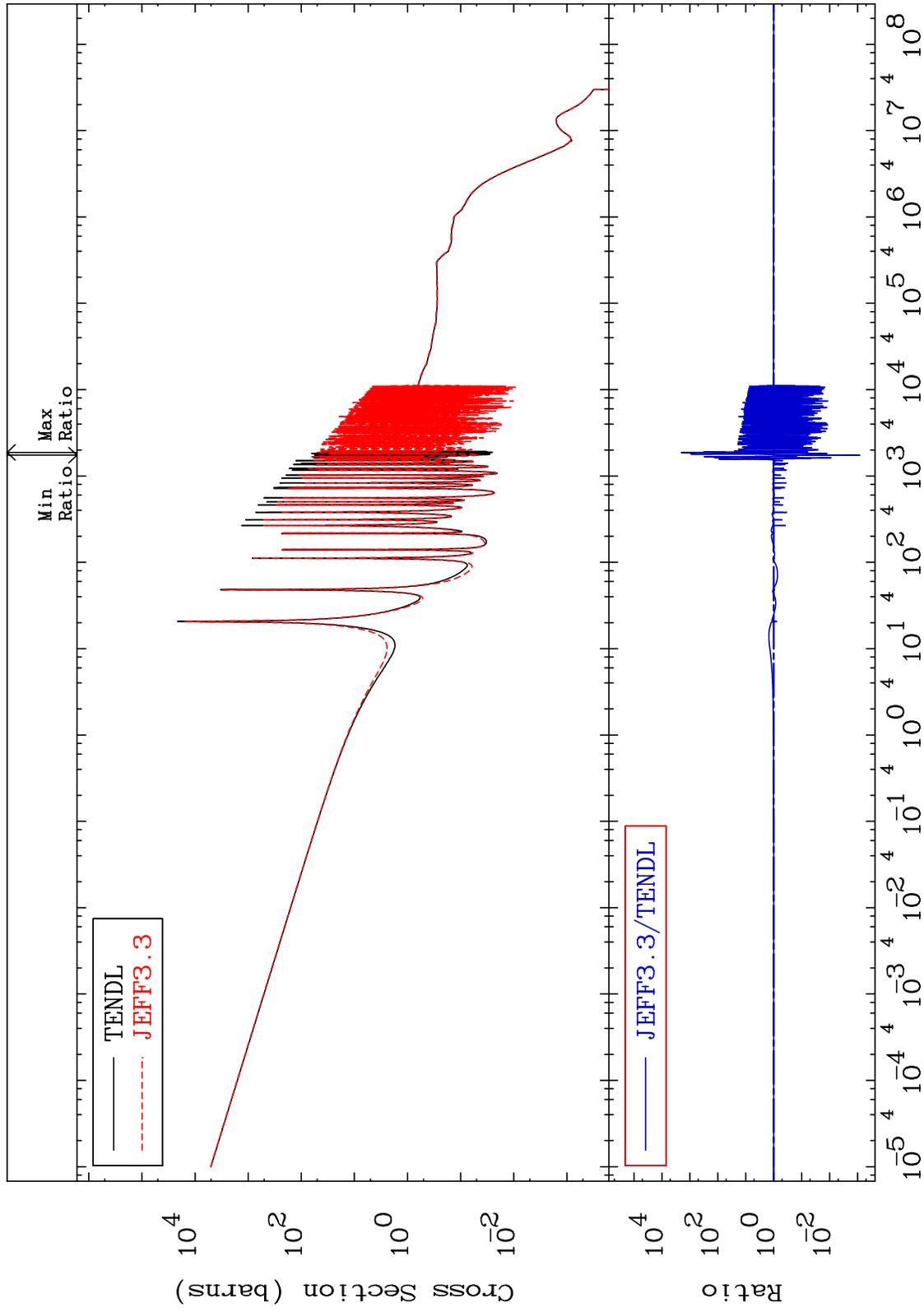
62-Sm-150
-0.027 To 0.260 %

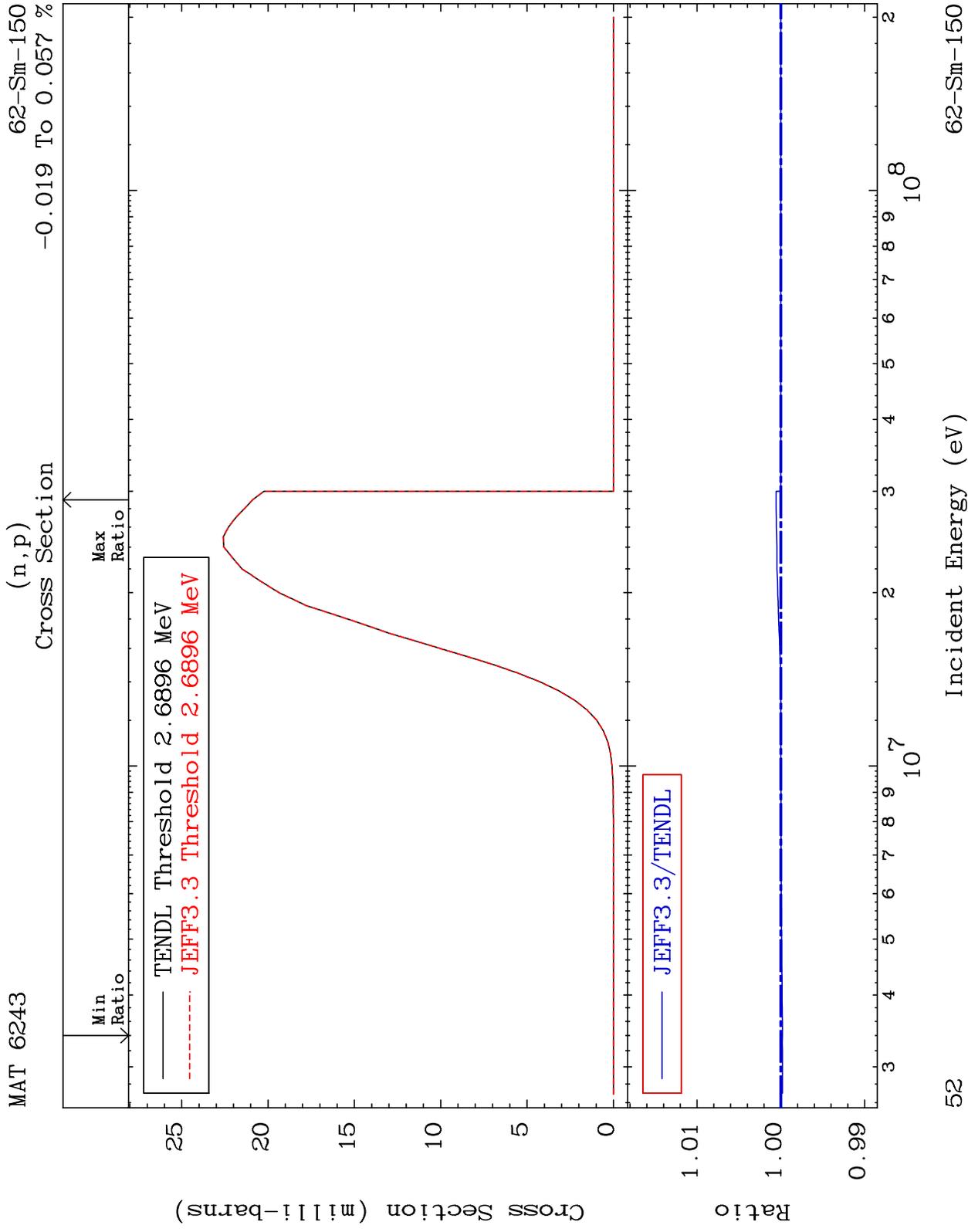


MAT 6243

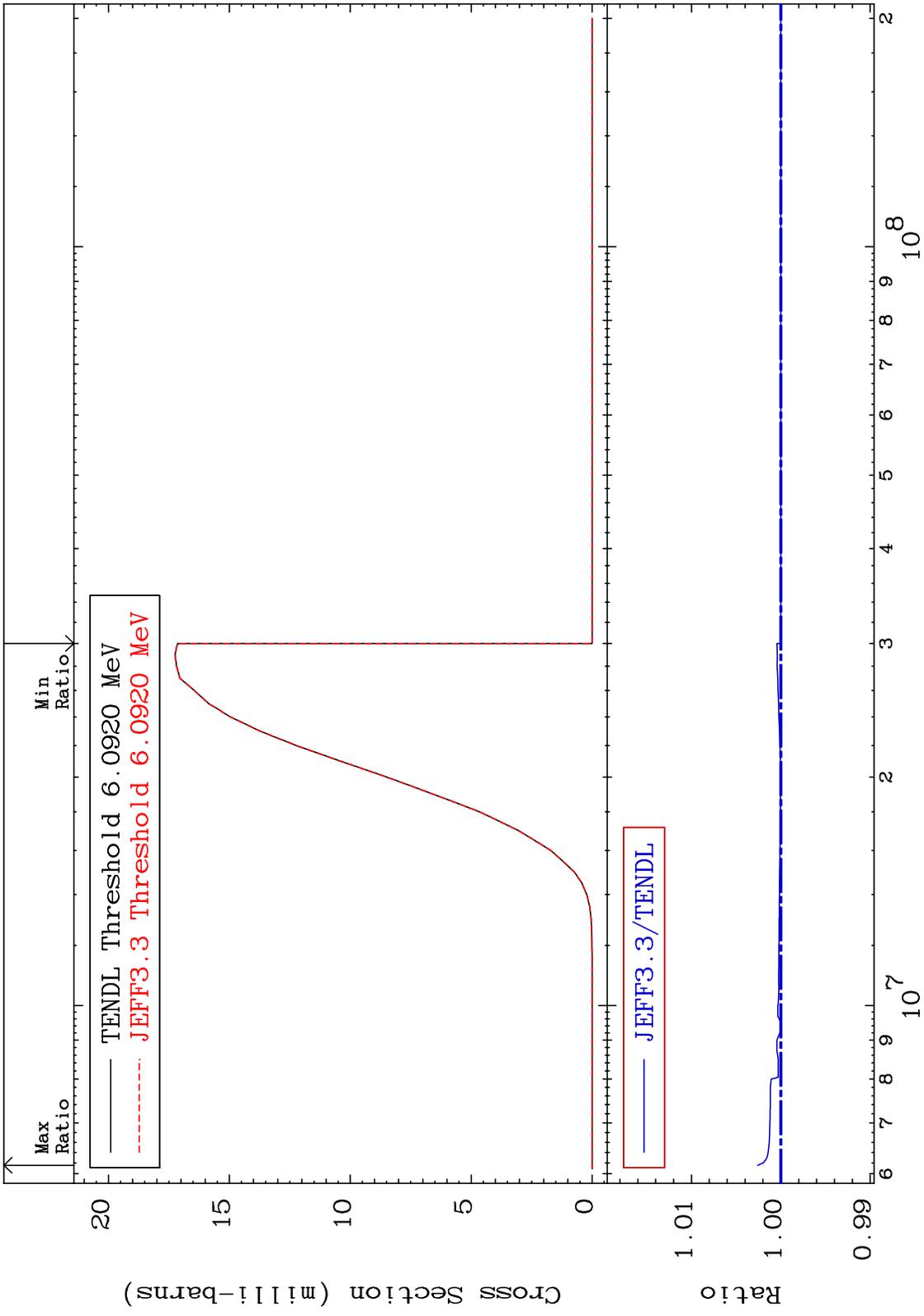
(n, γ)
Cross Section

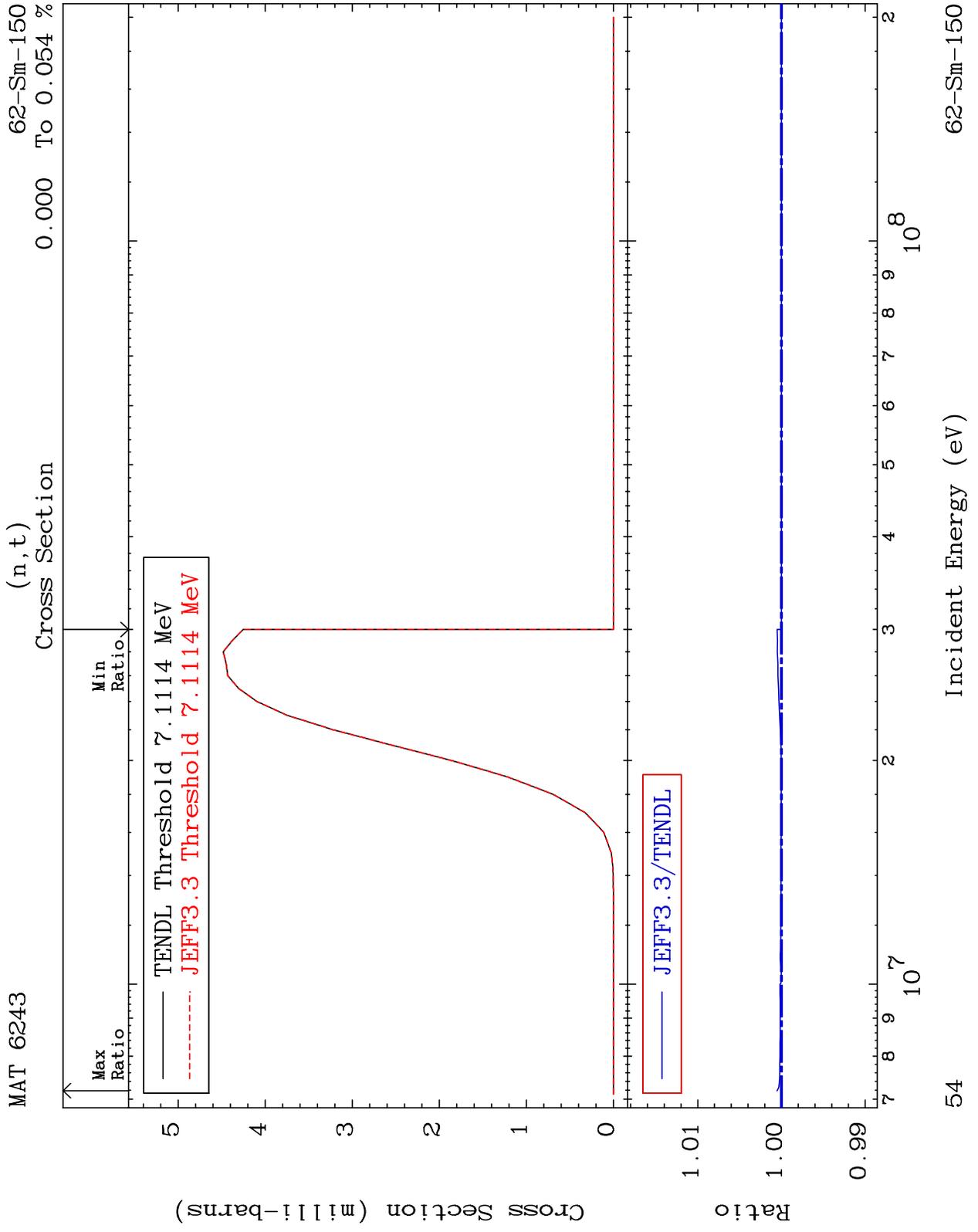
62-Sm-150
-99.92 To 9999. %



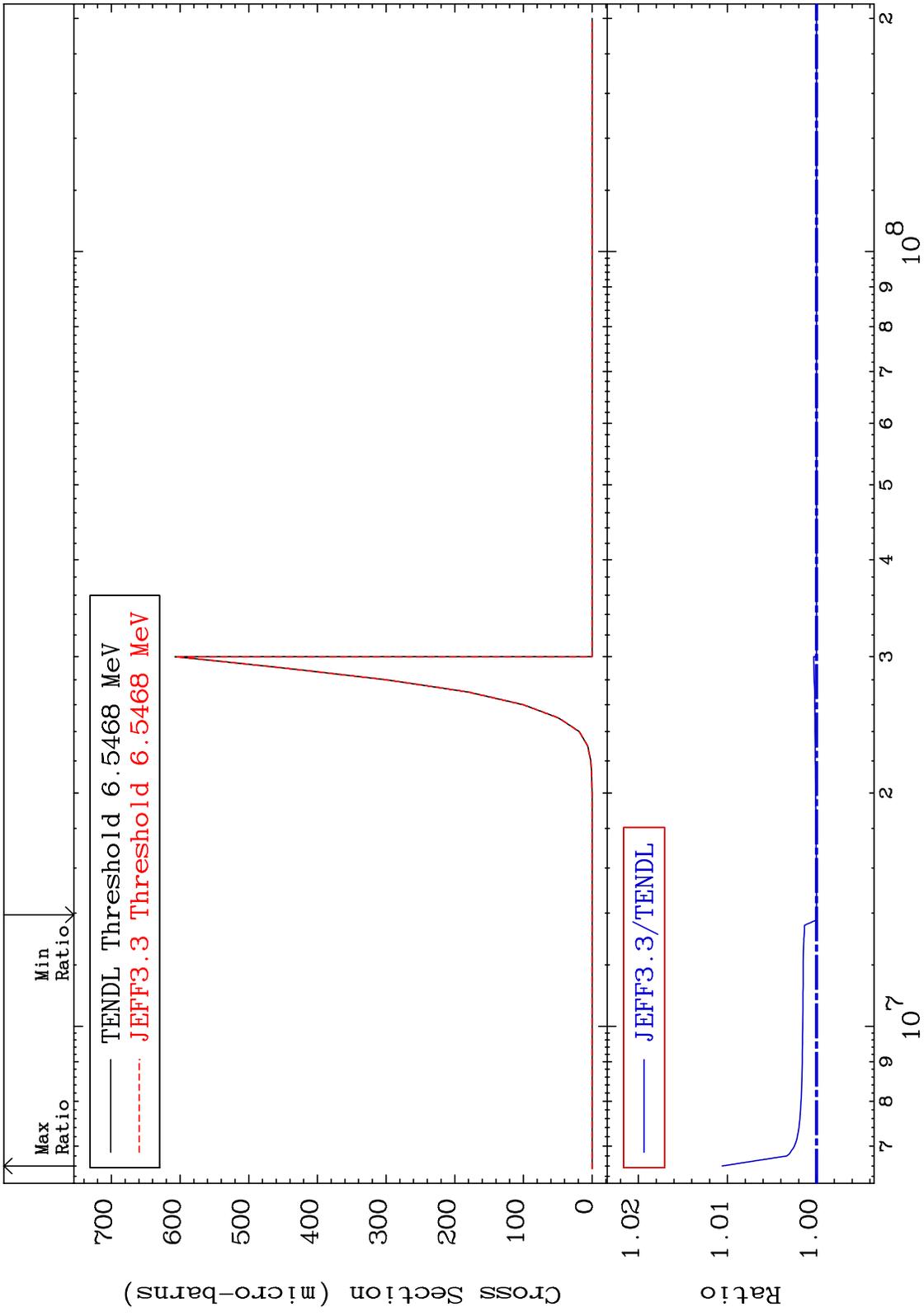


MAT 6243 (n,d) Cross Section 62-Sm-150 To 0.258 %





MAT 6243 (n, He-3) Cross Section 62-Sm-150 To 1.061 %

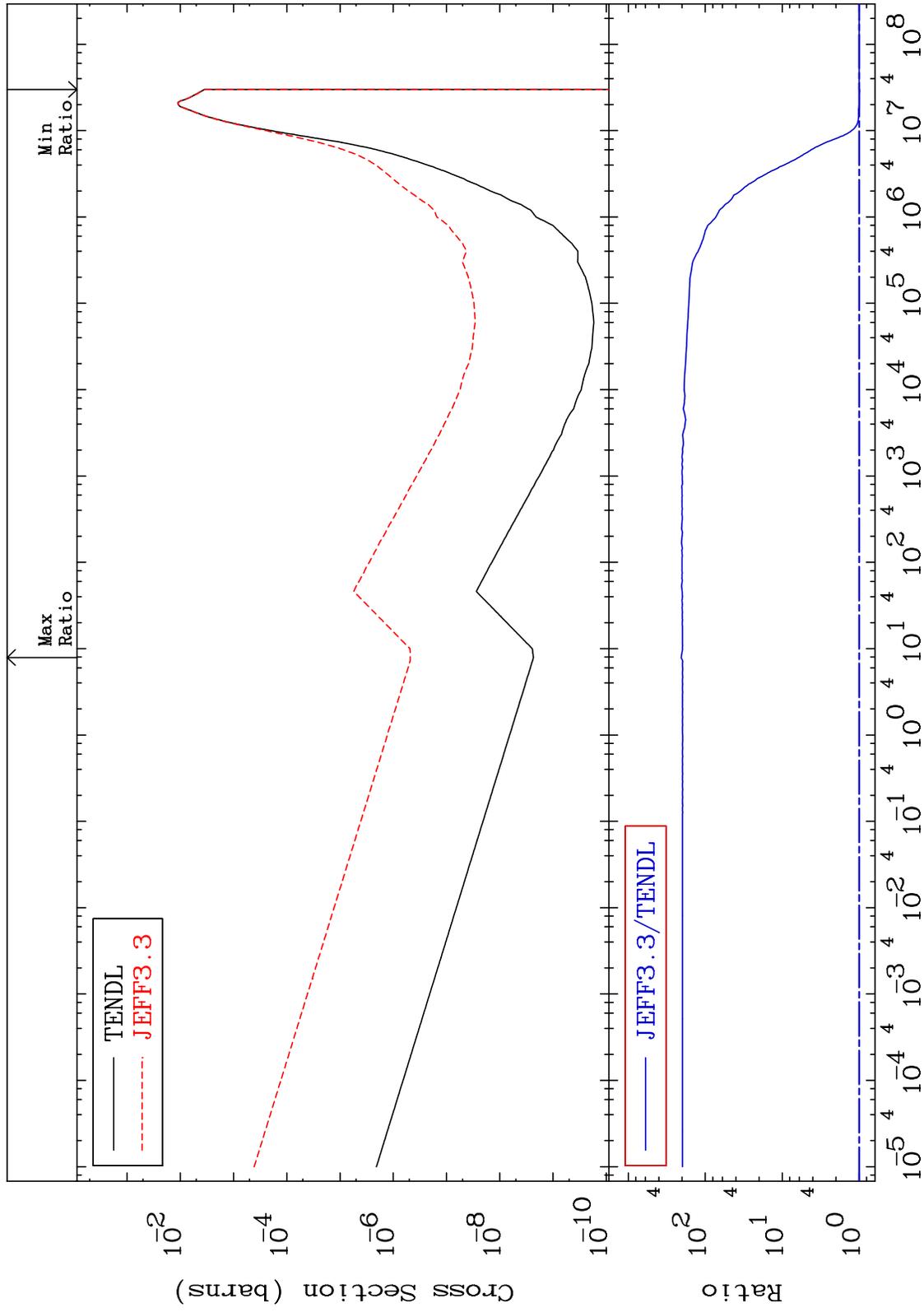


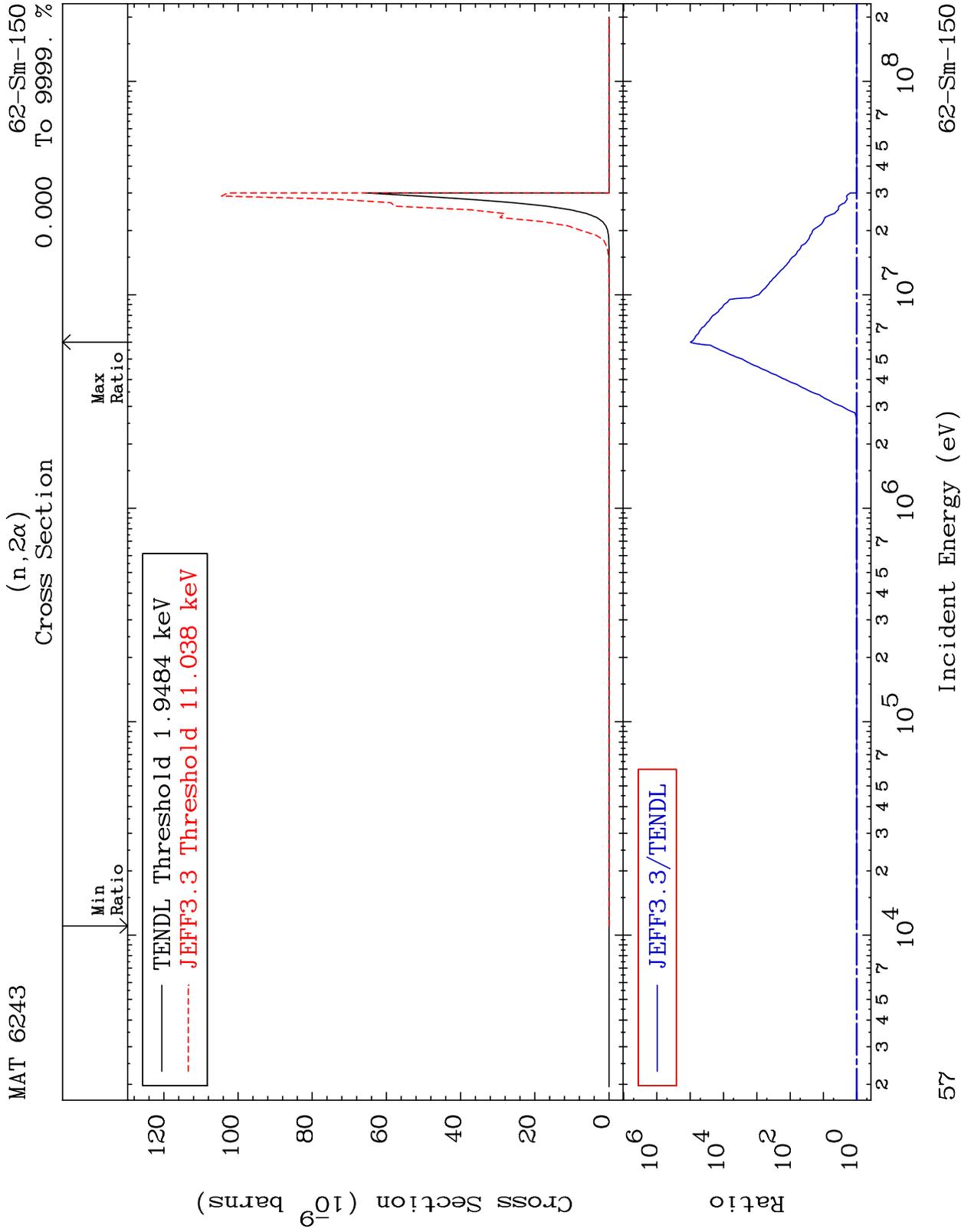
MAT 6243

(n, α)

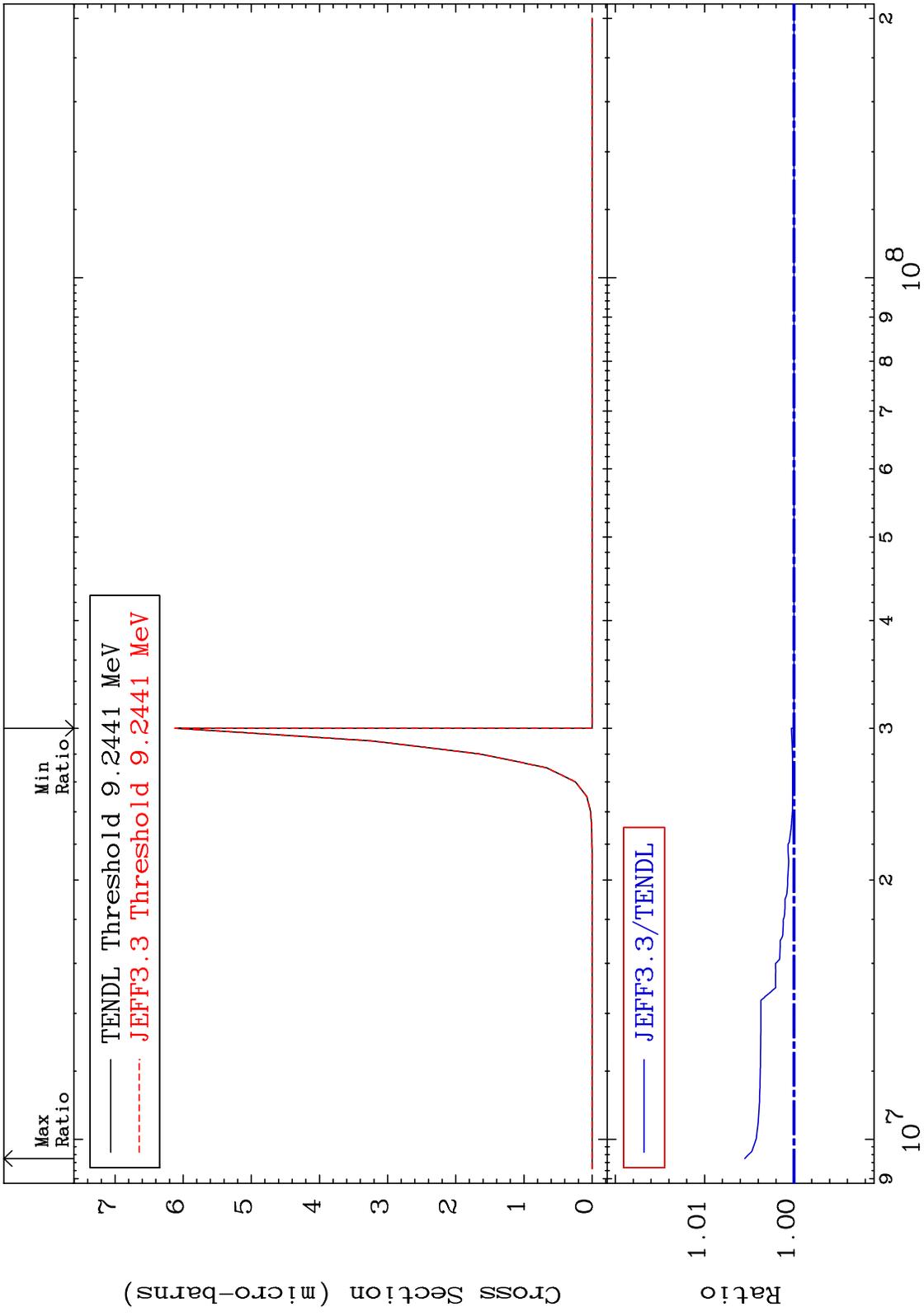
62-Sm-150

-2.090 To 9999. %

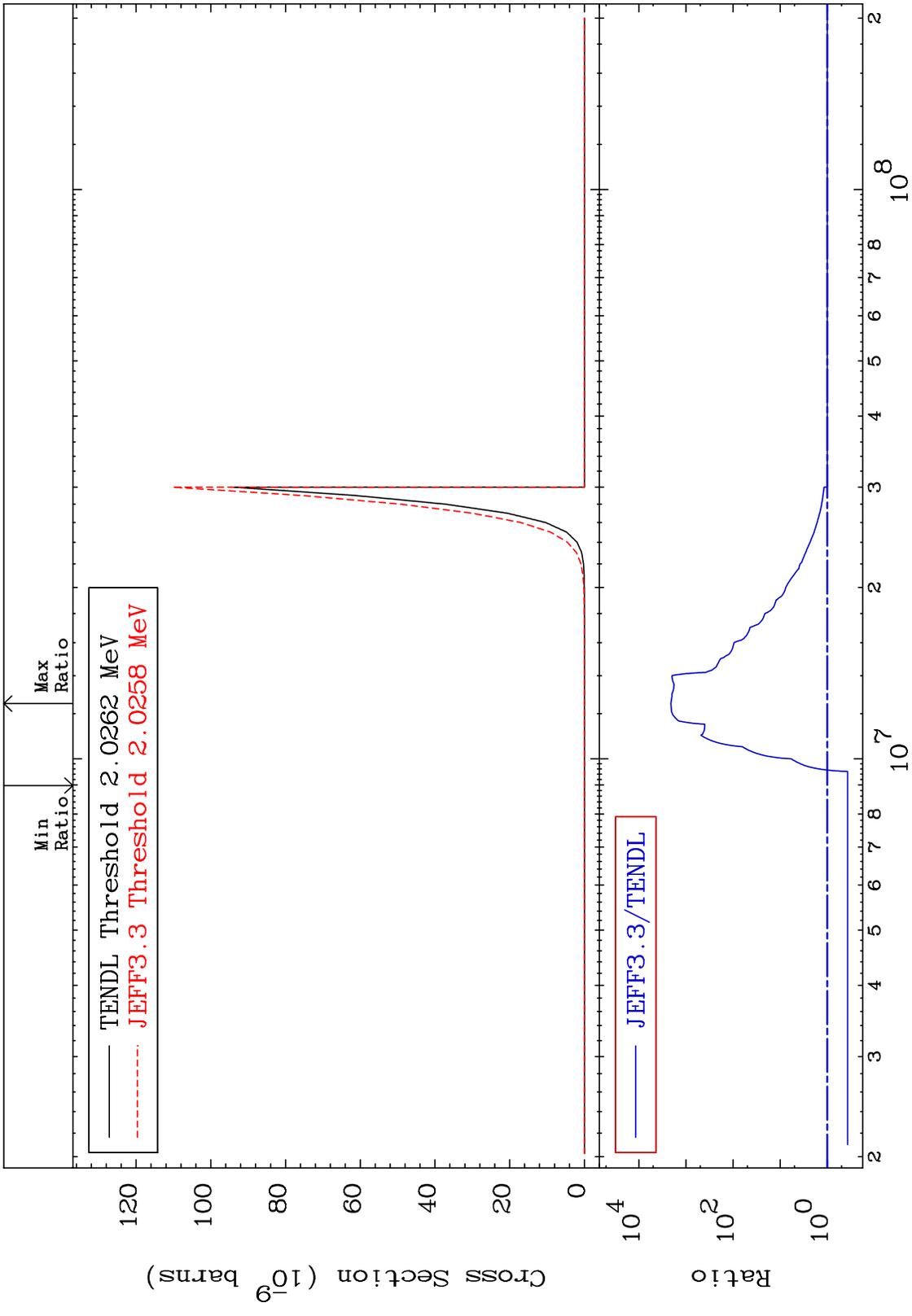




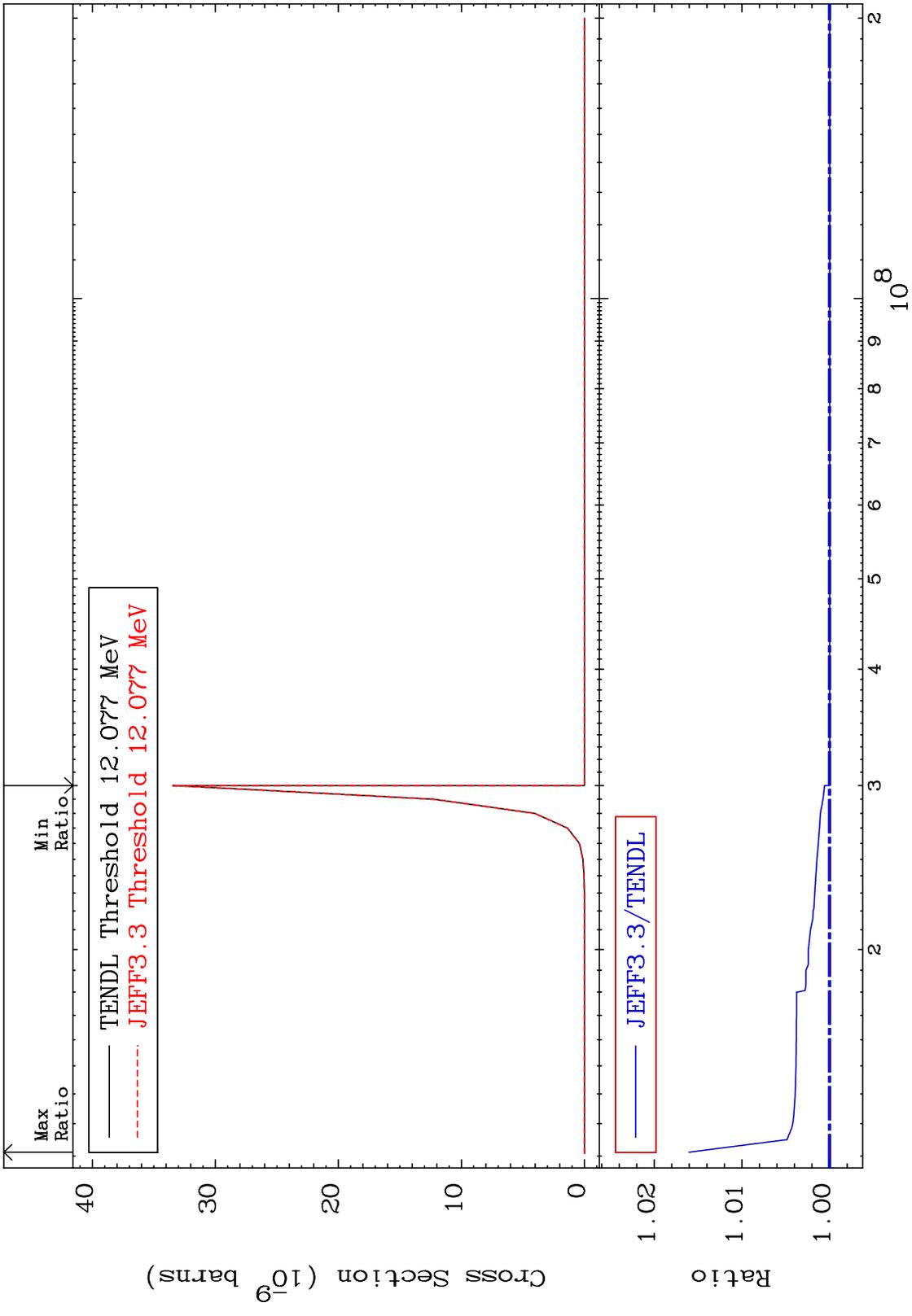
MAT 6243 (n,2p) Cross Section 62-Sm-150 To 0.551 %



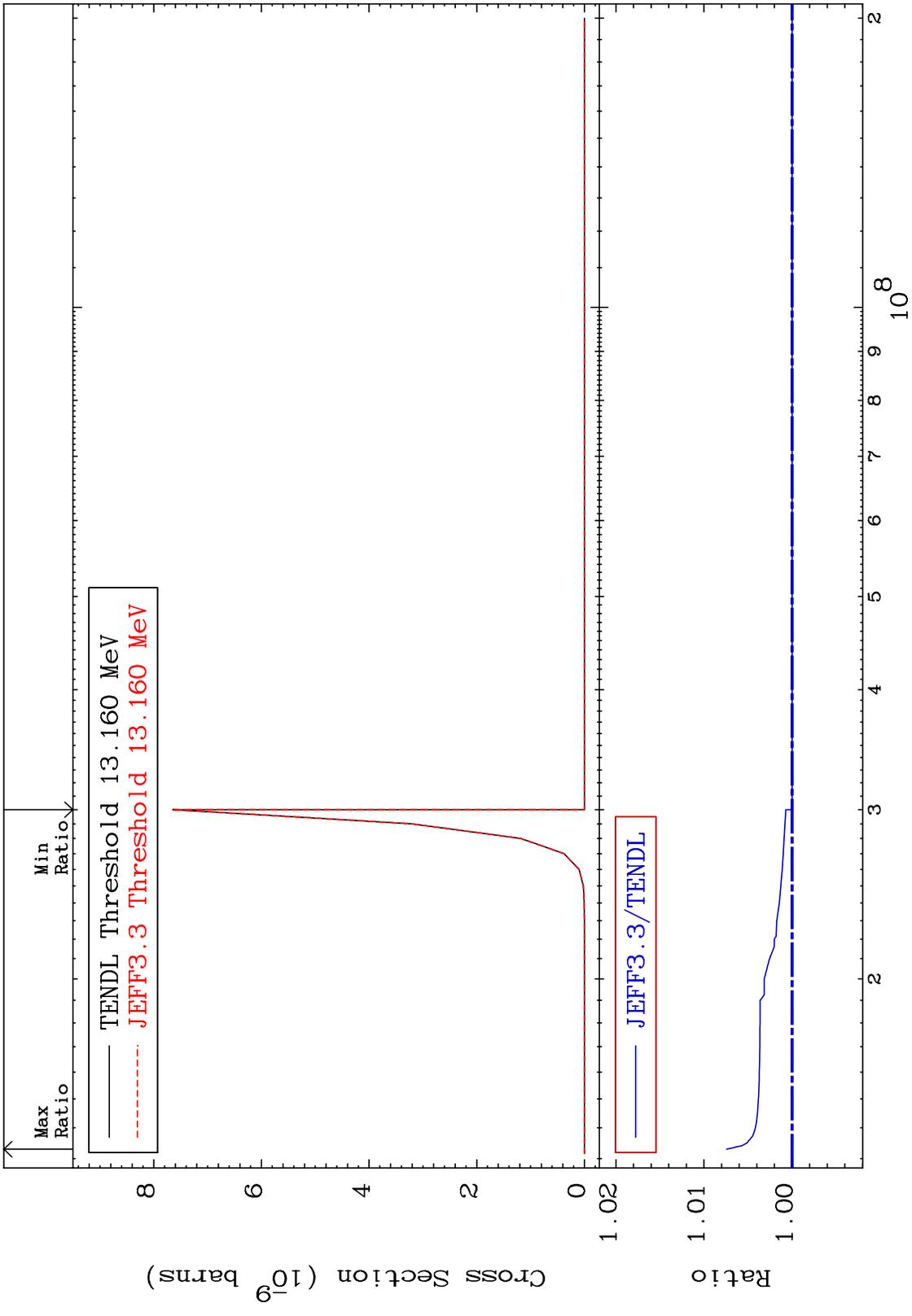
MAT 6243 (n,p) α 62-Sm-150
 Cross Section -63.04 To 9999. %



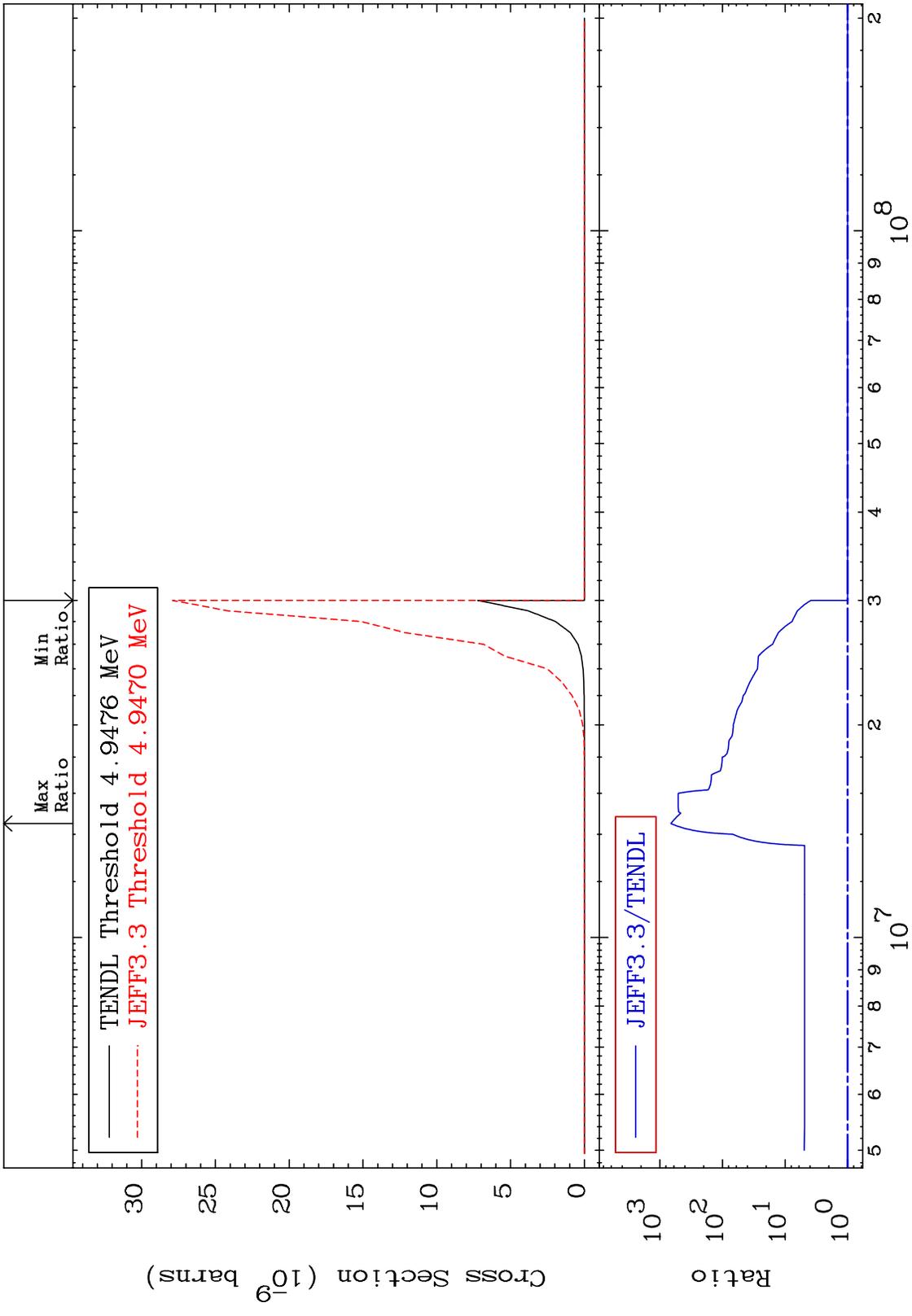
MAT 6243 (n,p) d 62-Sm-150
Cross Section To 1.603 %



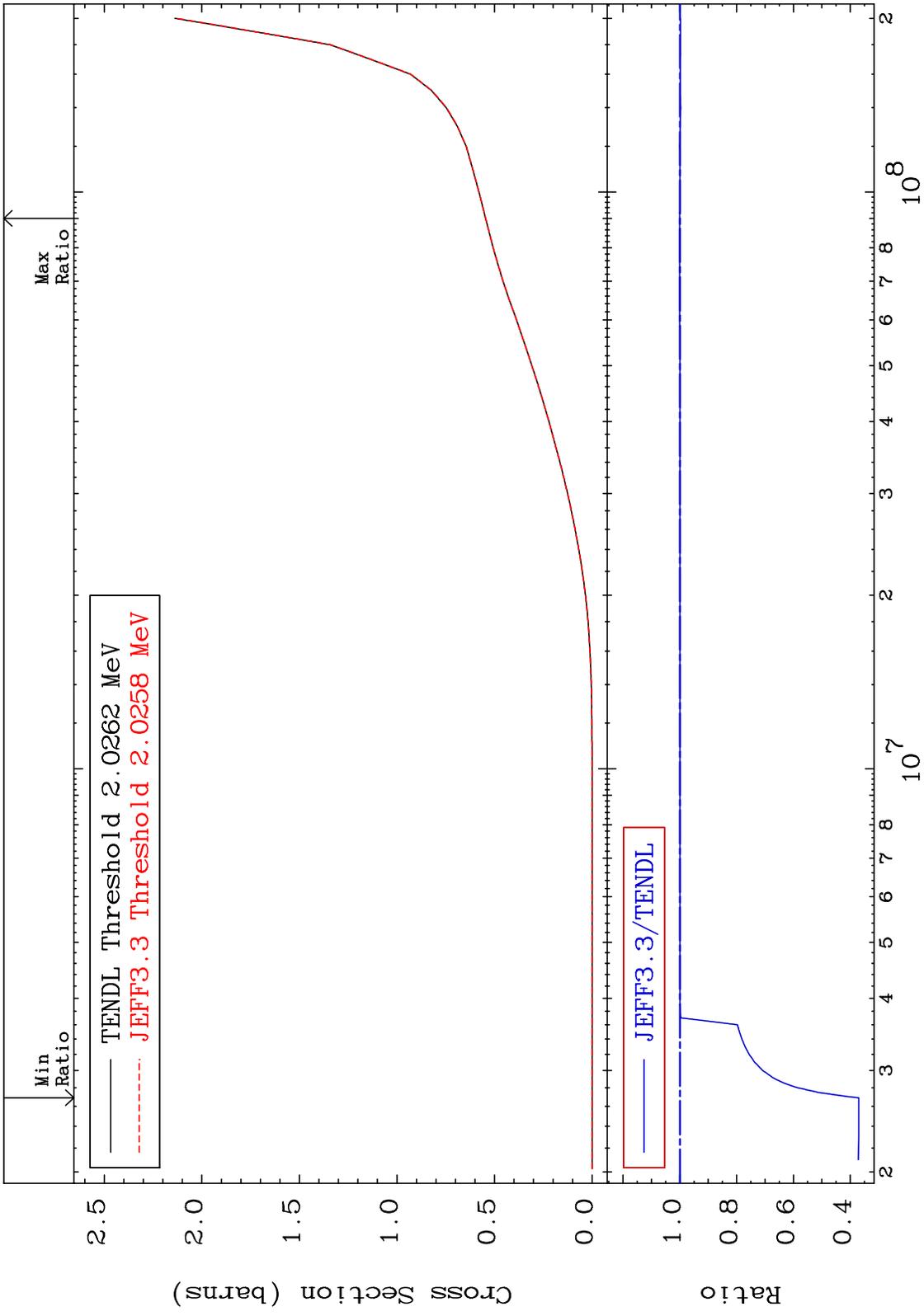
MAT 6243 (n,p) t 62-Sm-150
 Cross Section 0.000 To 0.743 %



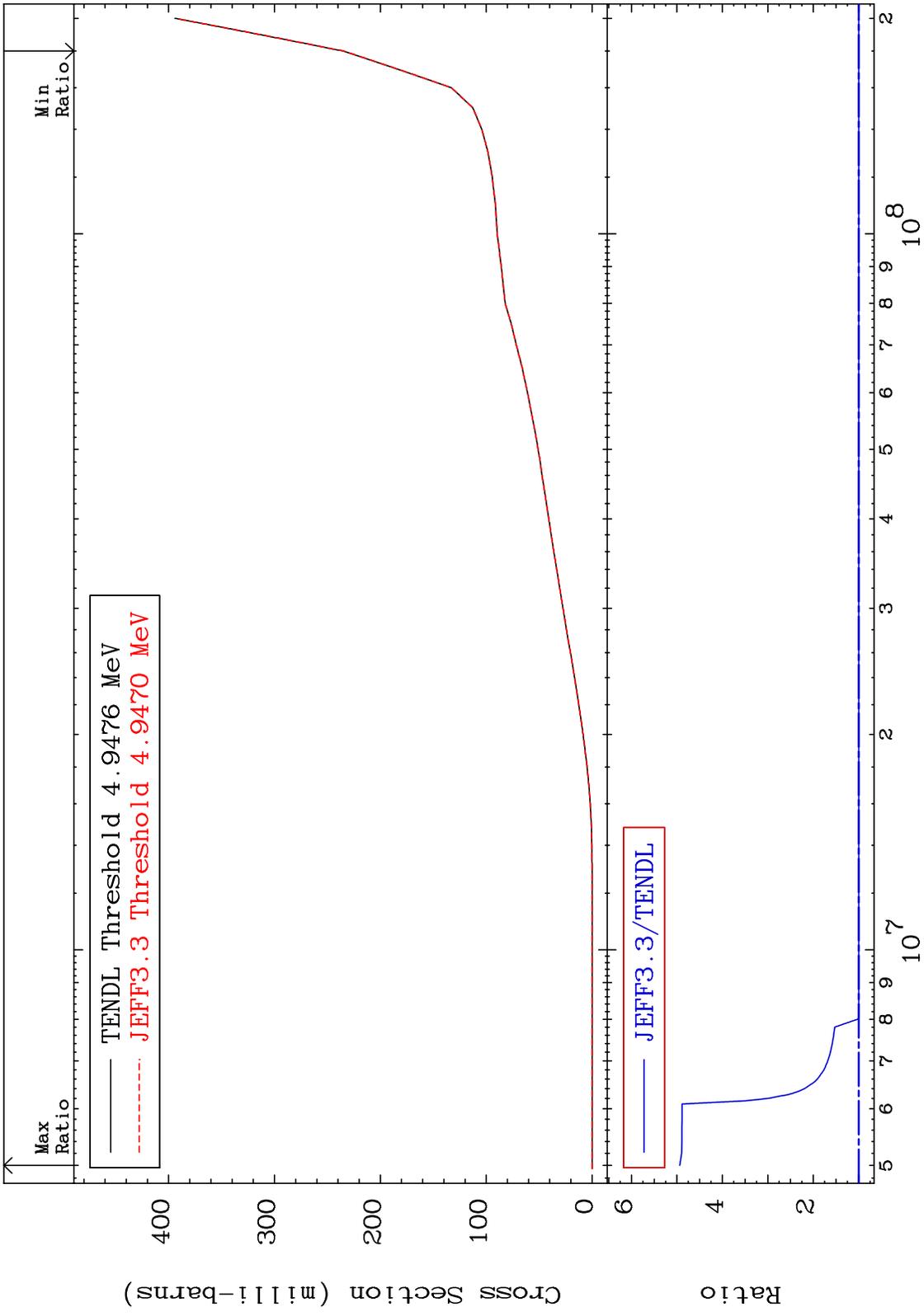
MAT 6243 (n,d) α 62-Sm-150
 Cross Section 0.000 To 9999. %



MAT 6243 Hydrogen Production Cross Section 62-Sm-150
 -63.02 To 0.028 %



MAT 6243 Deuterium Production Cross Section 62-Sm-150
 -0.262 To 393.8 %

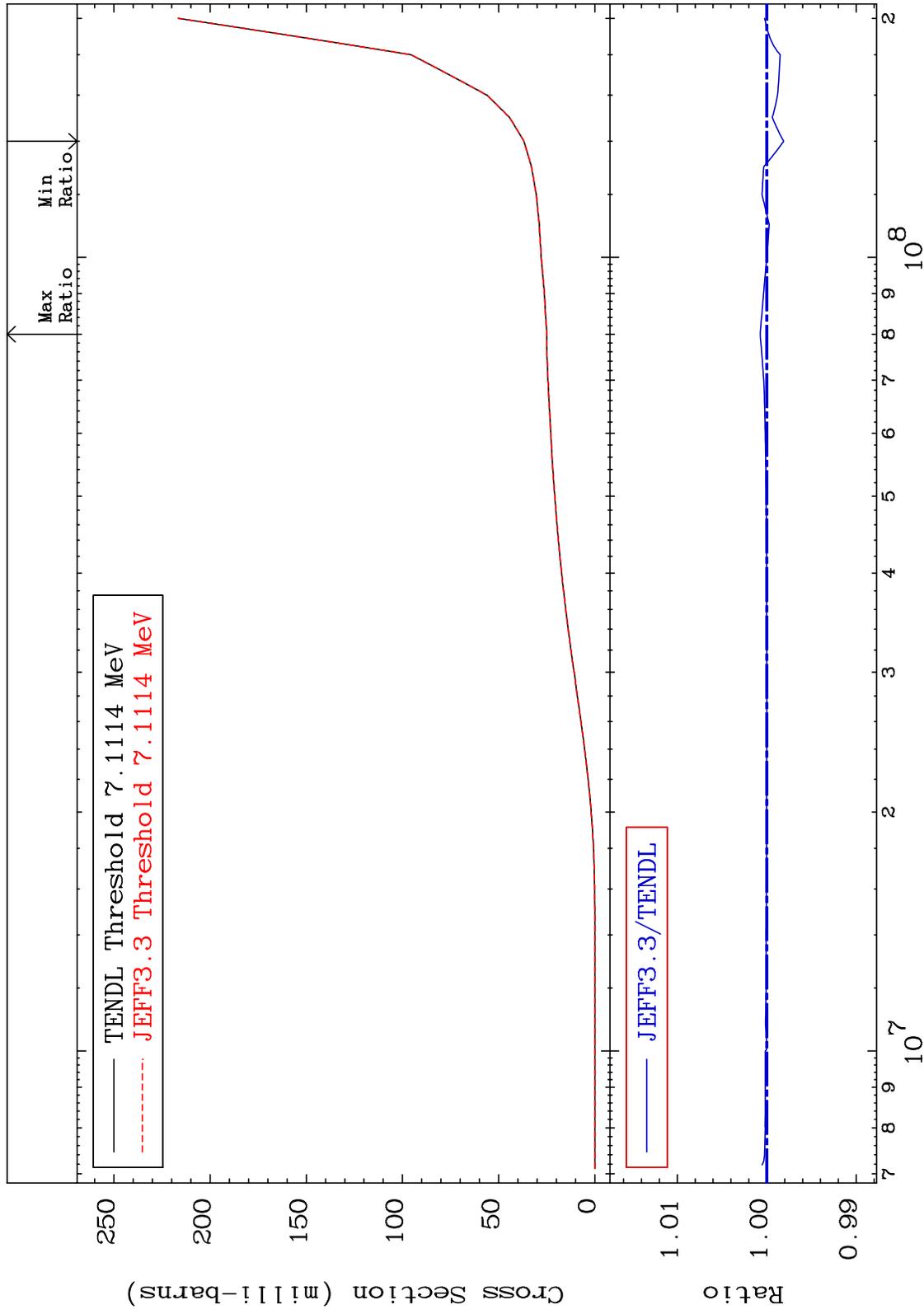


64 62-Sm-150

MAT 6243

Tritium Production
Cross Section

62-Sm-150
-0.188 To 0.074 %

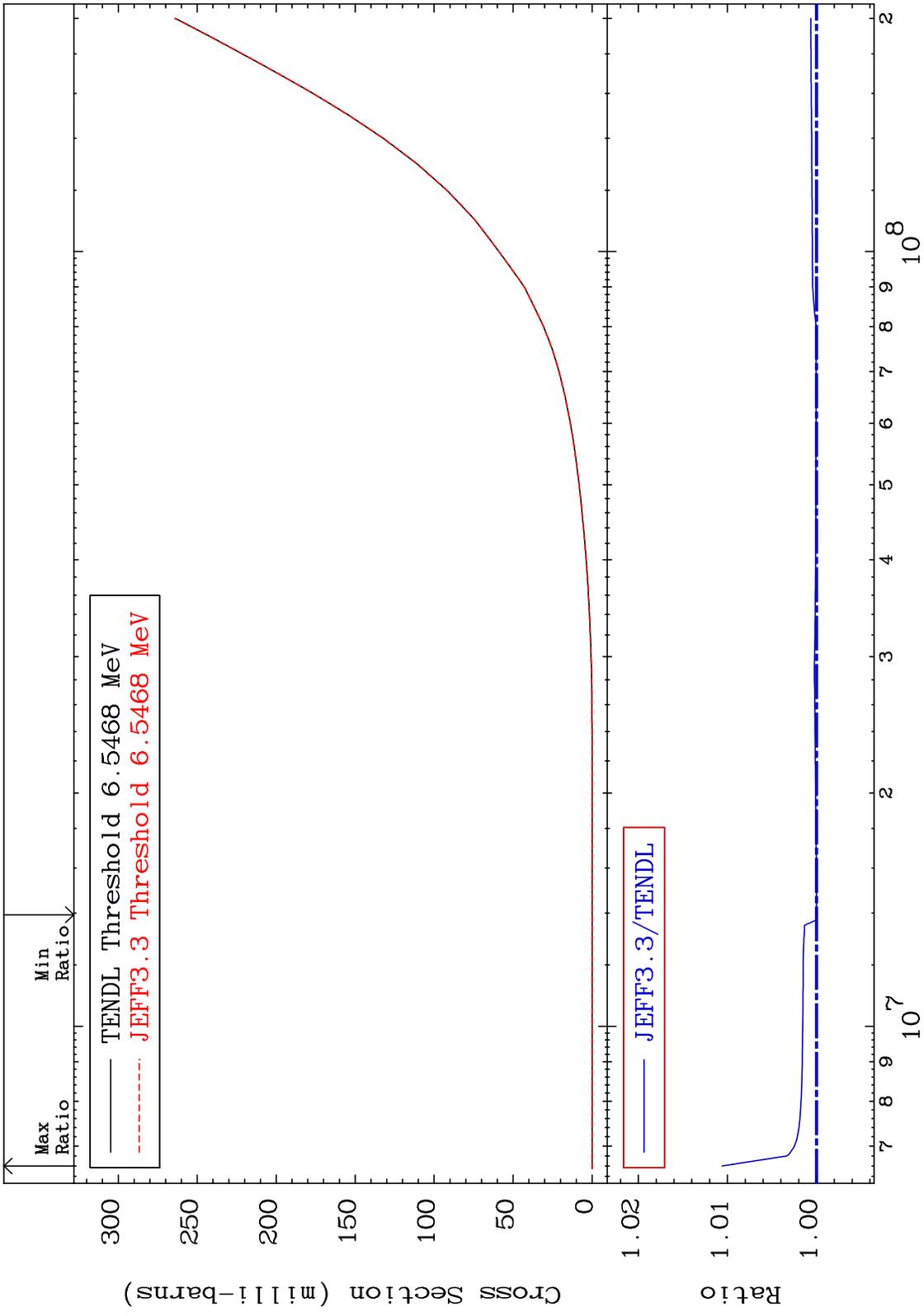


65

Incident Energy (eV)

62-Sm-150

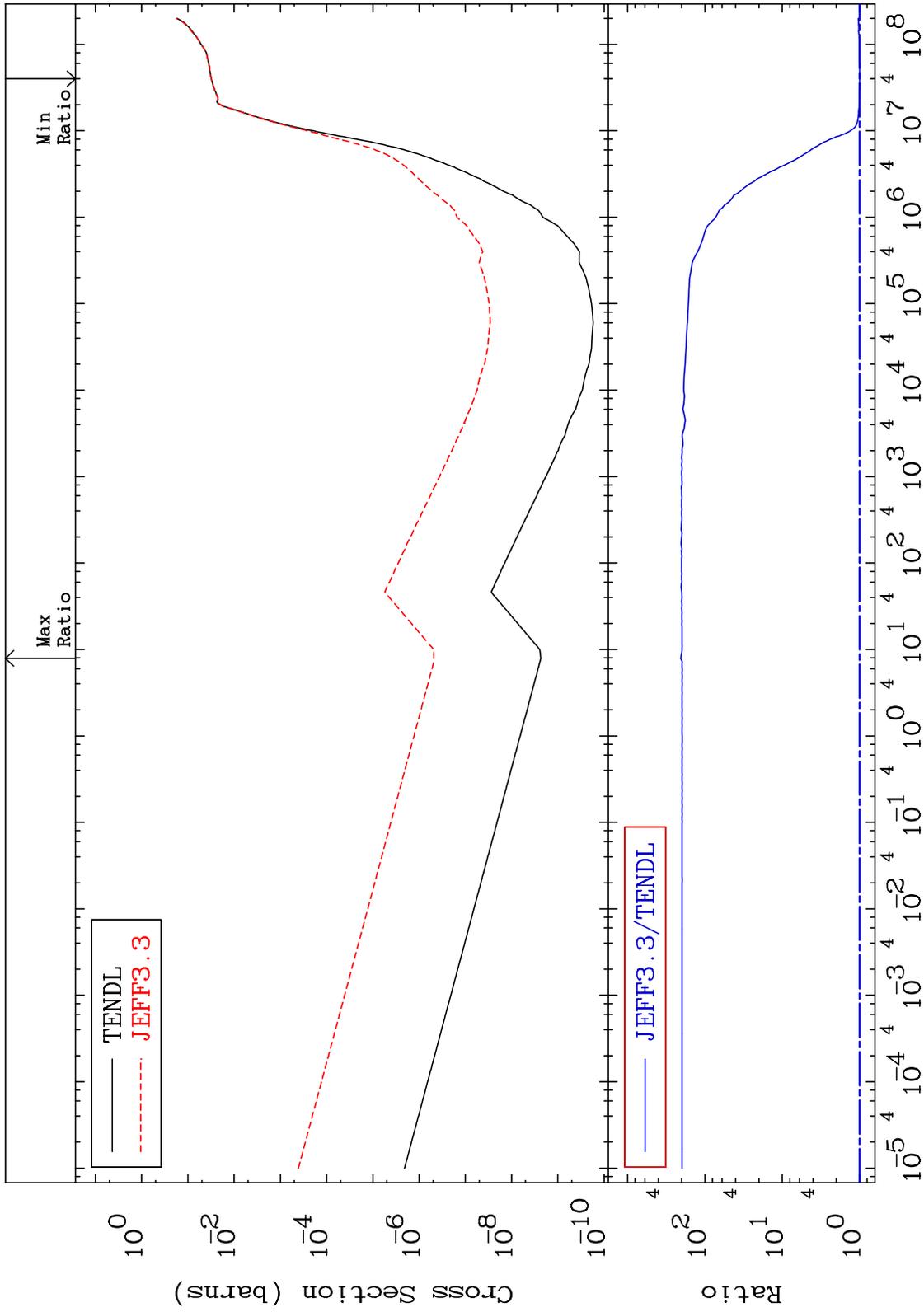
MAT 6243 He-3 Production Cross Section 62-Sm-150 To 1.061 %



MAT 6243

He-4 Production
Cross Section

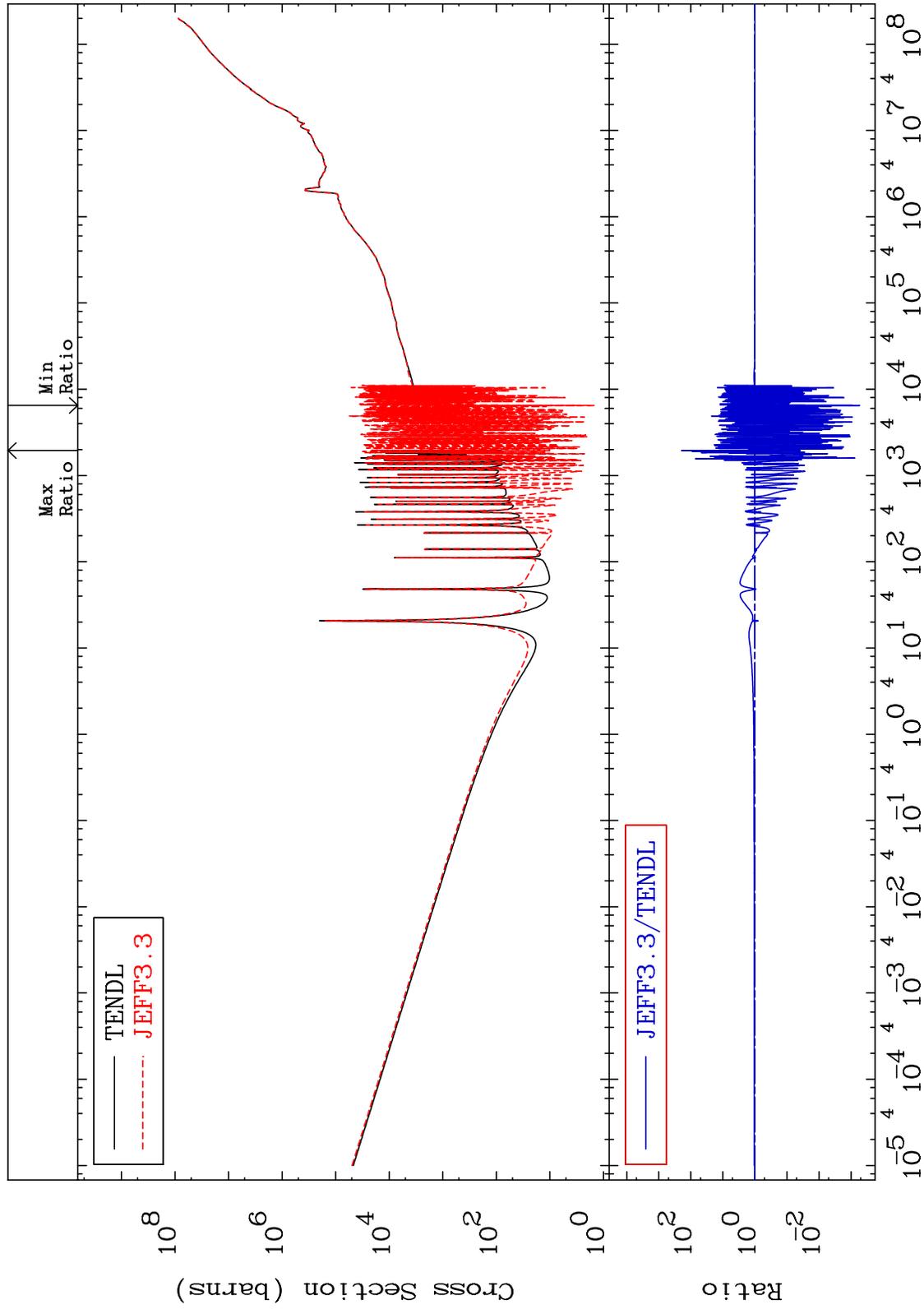
62-Sm-150
-0.181 To 9999. %



MAT 6243

Kerma total (eV-barns)
Cross Section

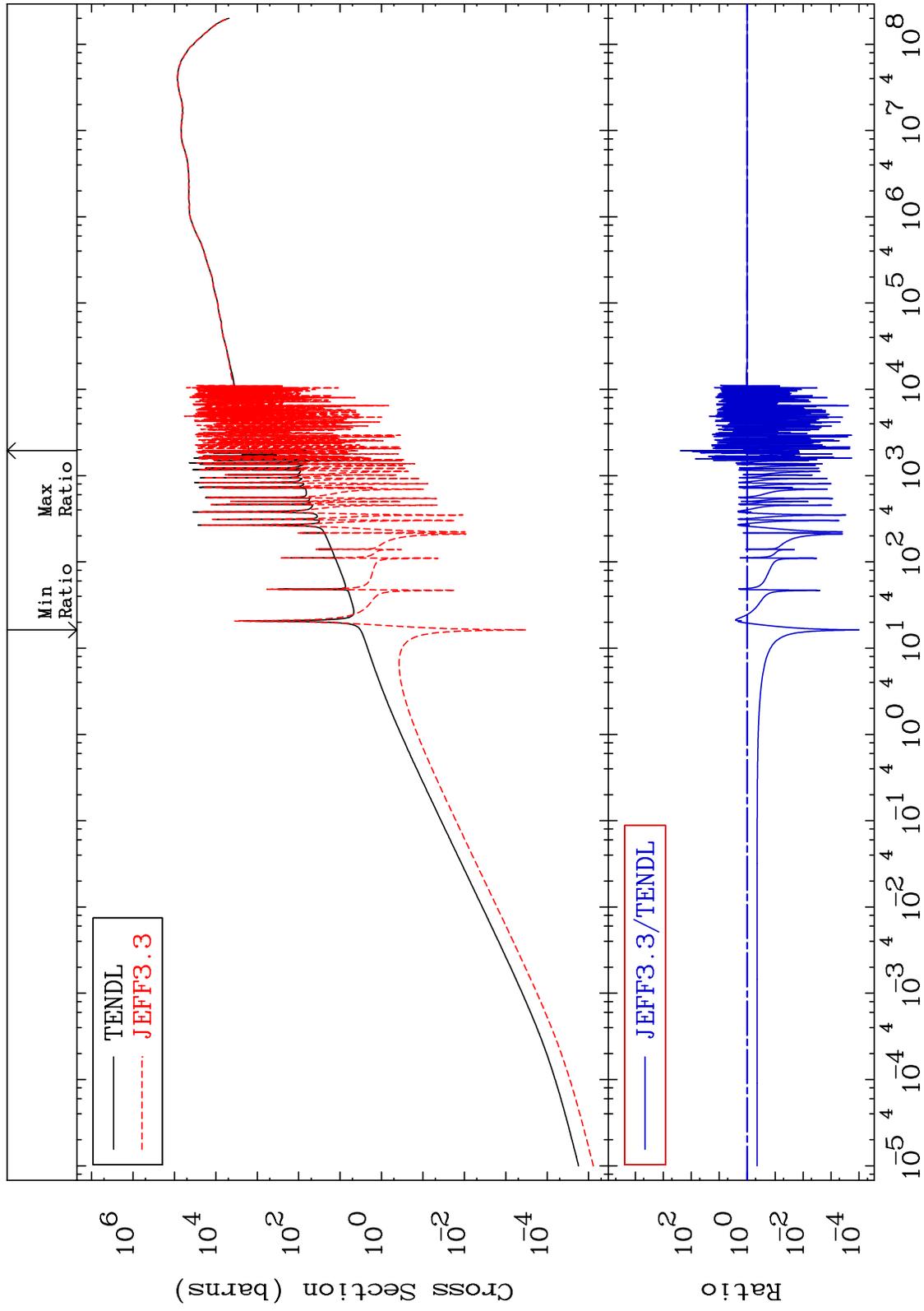
62-Sm-150
-99.95 To 9999. %



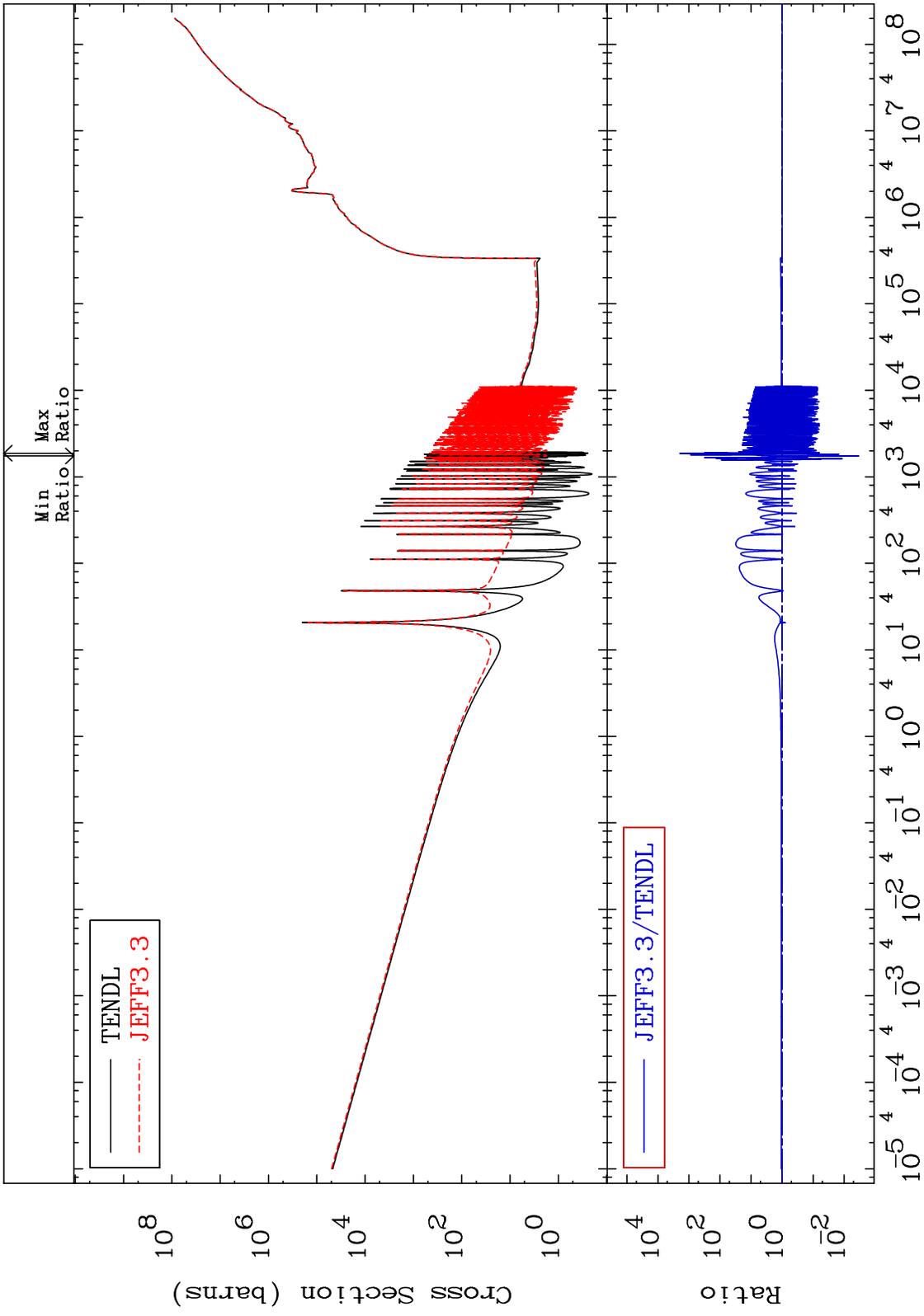
MAT 6243

Kerma elastic
Cross Section

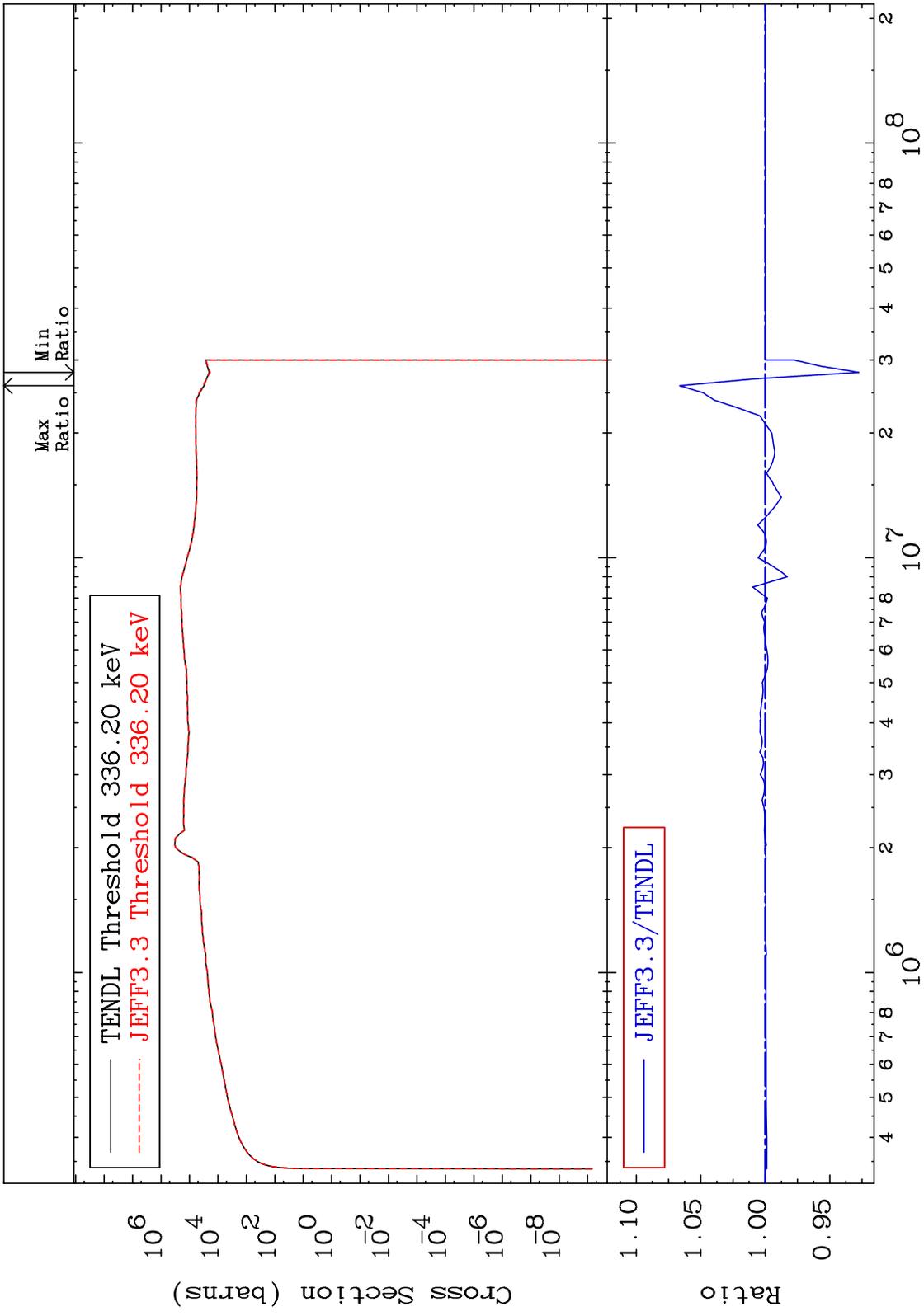
62-Sm-150
-99.99 To 9999. %



MAT 6243 Kerma non-elastic (all but mt2) 62-Sm-150
 Cross Section -99.66 To 9999. %



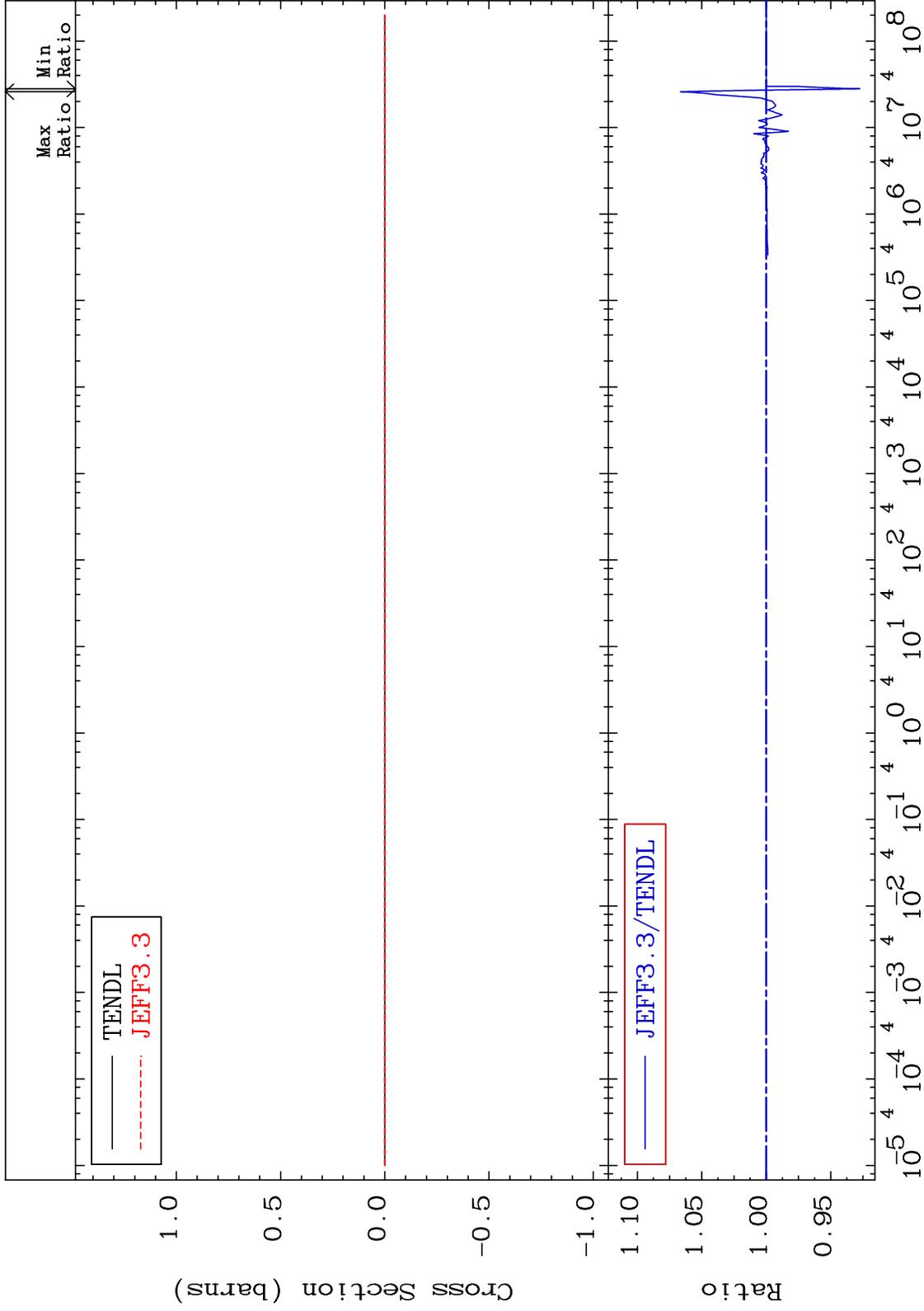
MAT 6243 Kerma inelastic (mt51-91) 62-Sm-150
 Cross Section -7.252 To 6.627 %



MAT 6243

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

62-Sm-150
-7.252 To 6.627 %



72

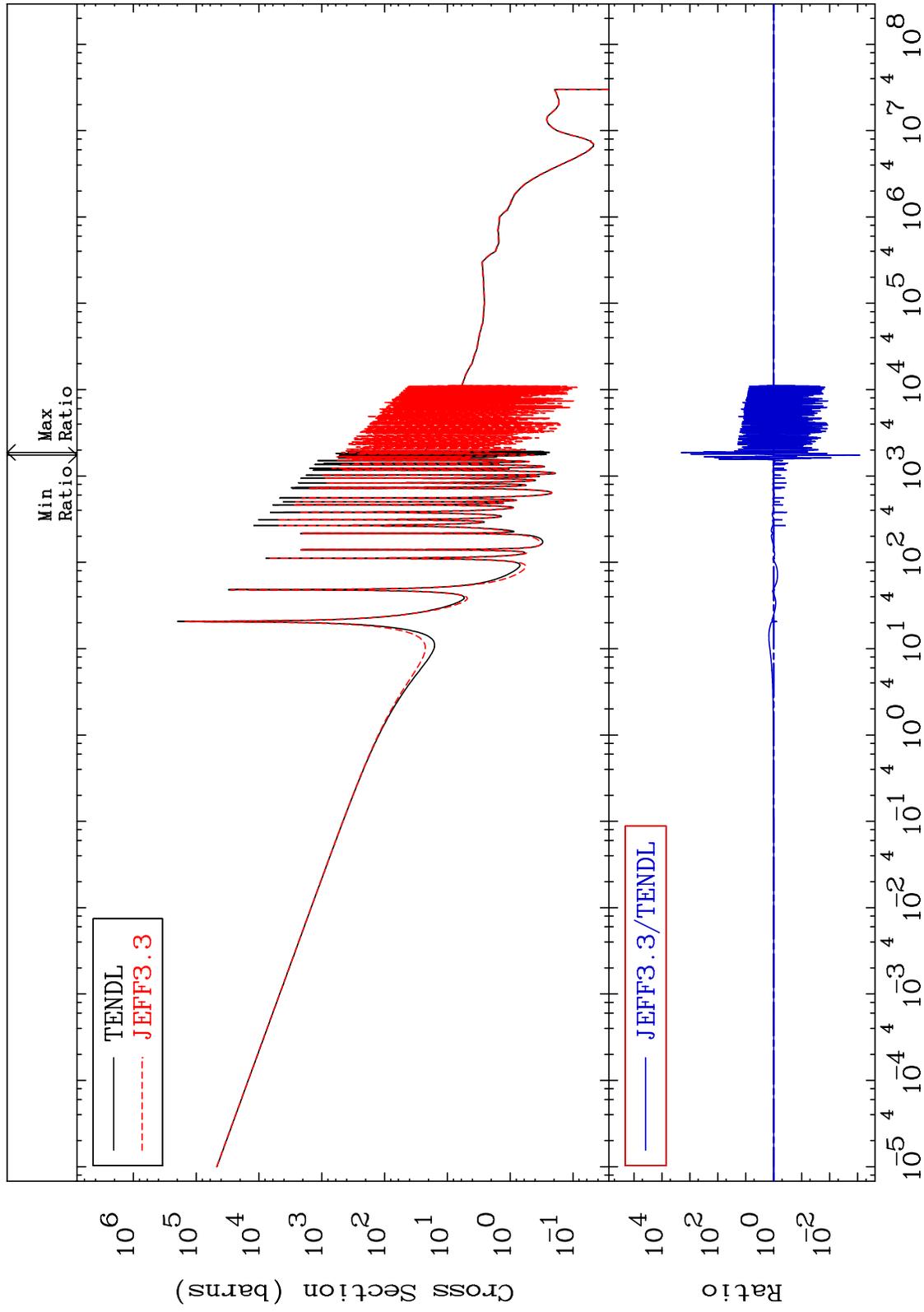
Incident Energy (eV)

62-Sm-150

MAT 6243

Kerma capture (mt102)
Cross Section

62-Sm-150
-99.92 To 9999. %

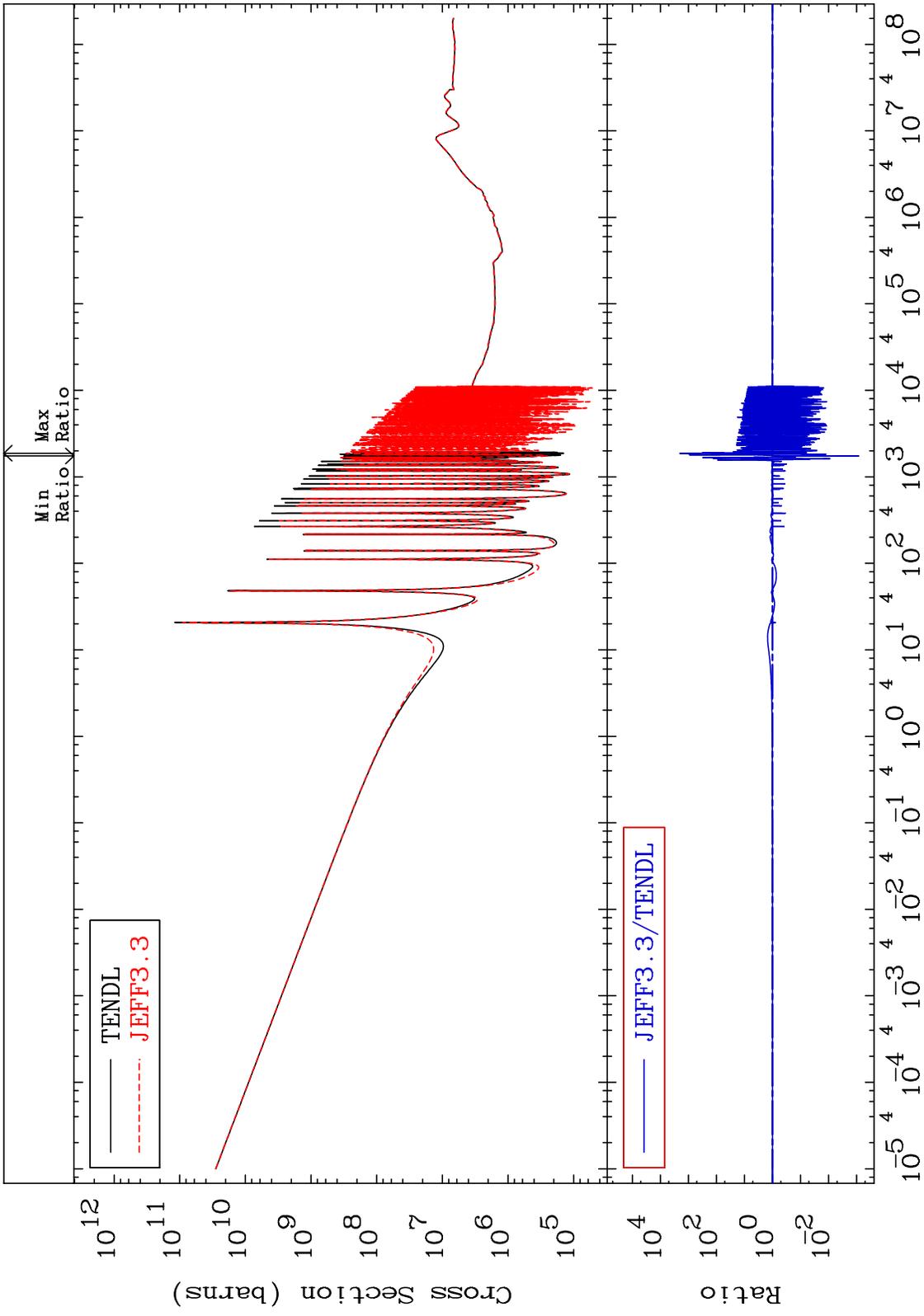


73

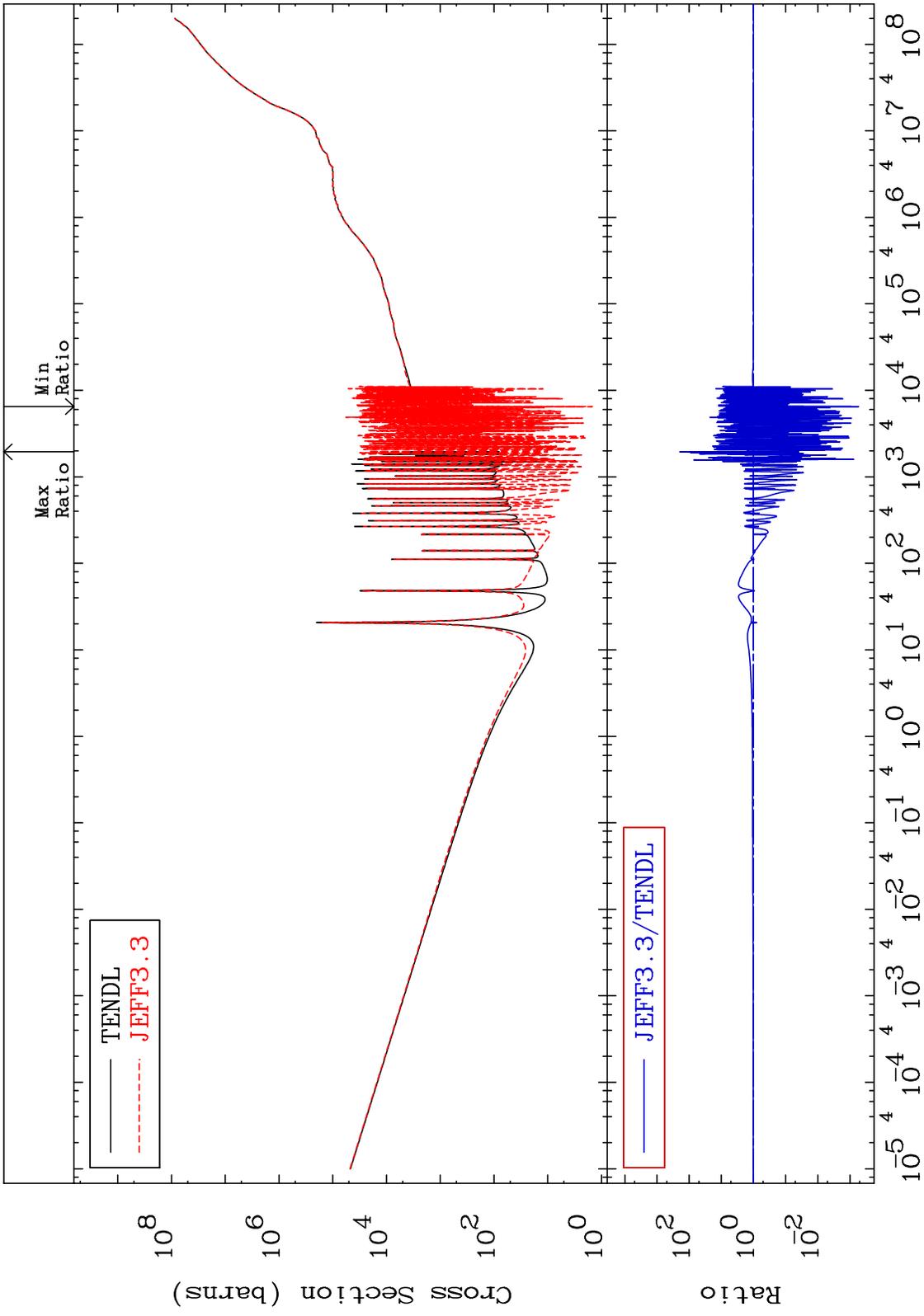
Incident Energy (eV)

62-Sm-150

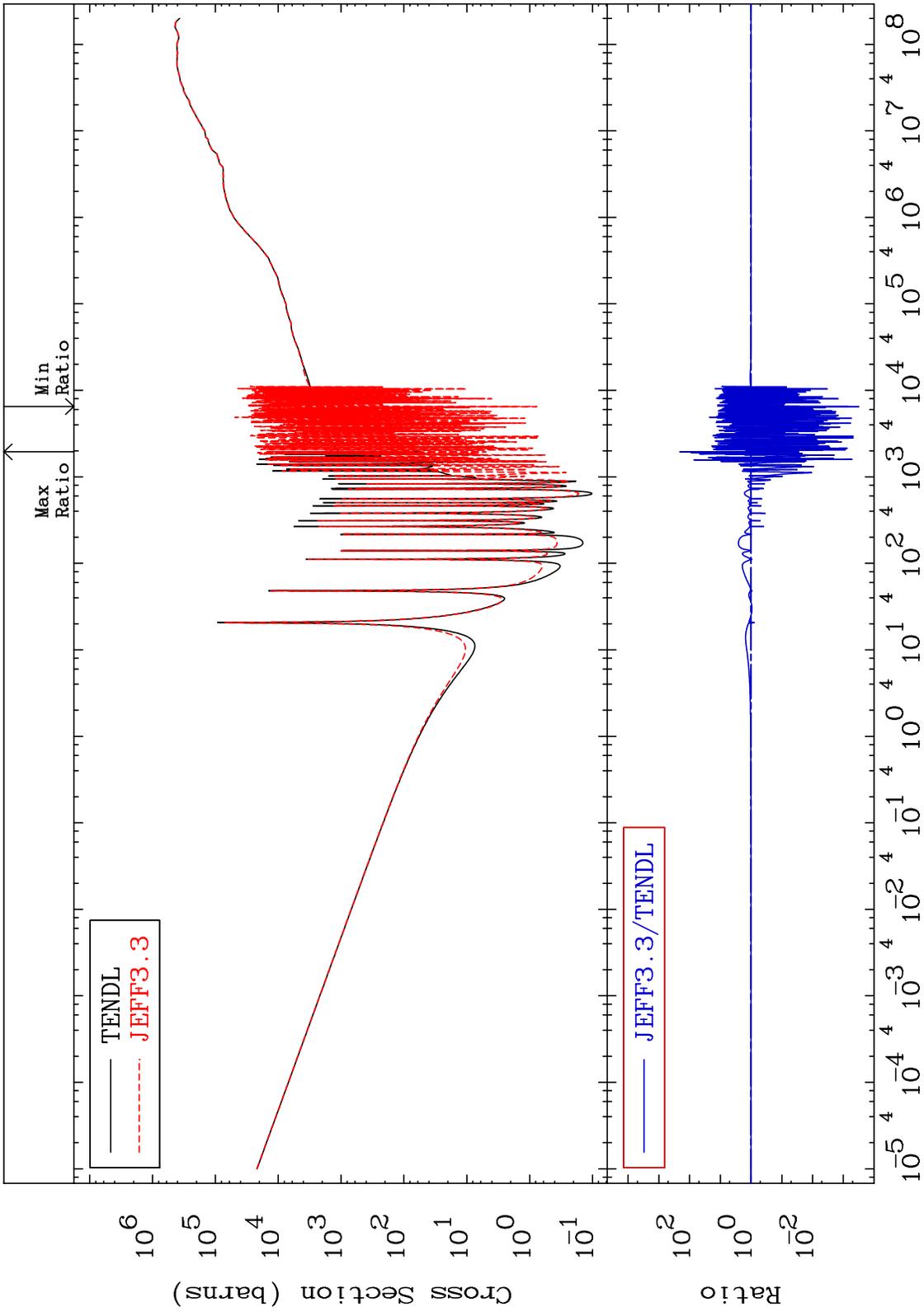
MAT 6243 62-Sm-150
-99.92 To 9999. %
 Total photon (eV-barns)
 Cross Section



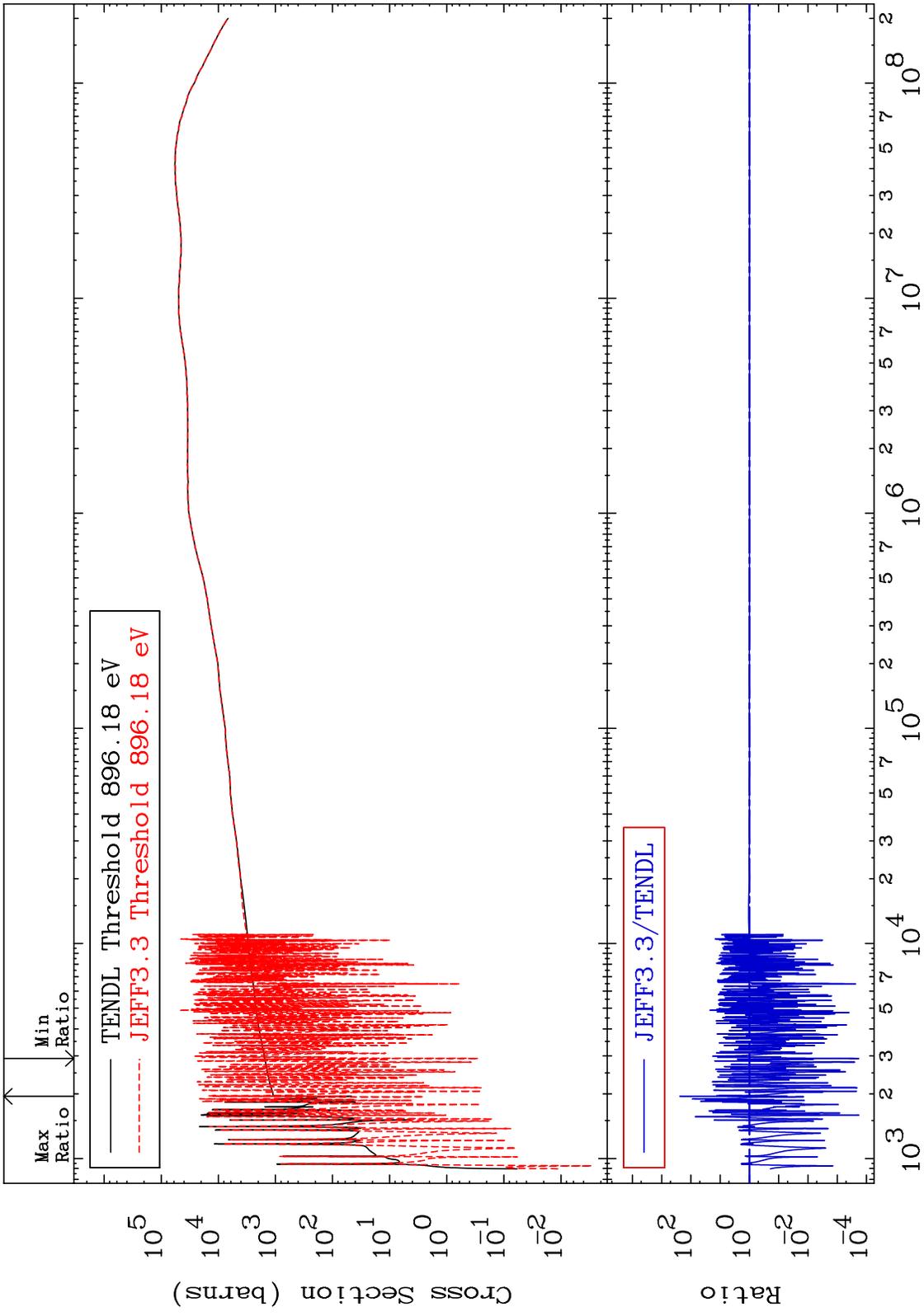
MAT 6243 Total kinematic kerma (high limit) 62-Sm-150
 Cross Section -99.95 To 9999. %



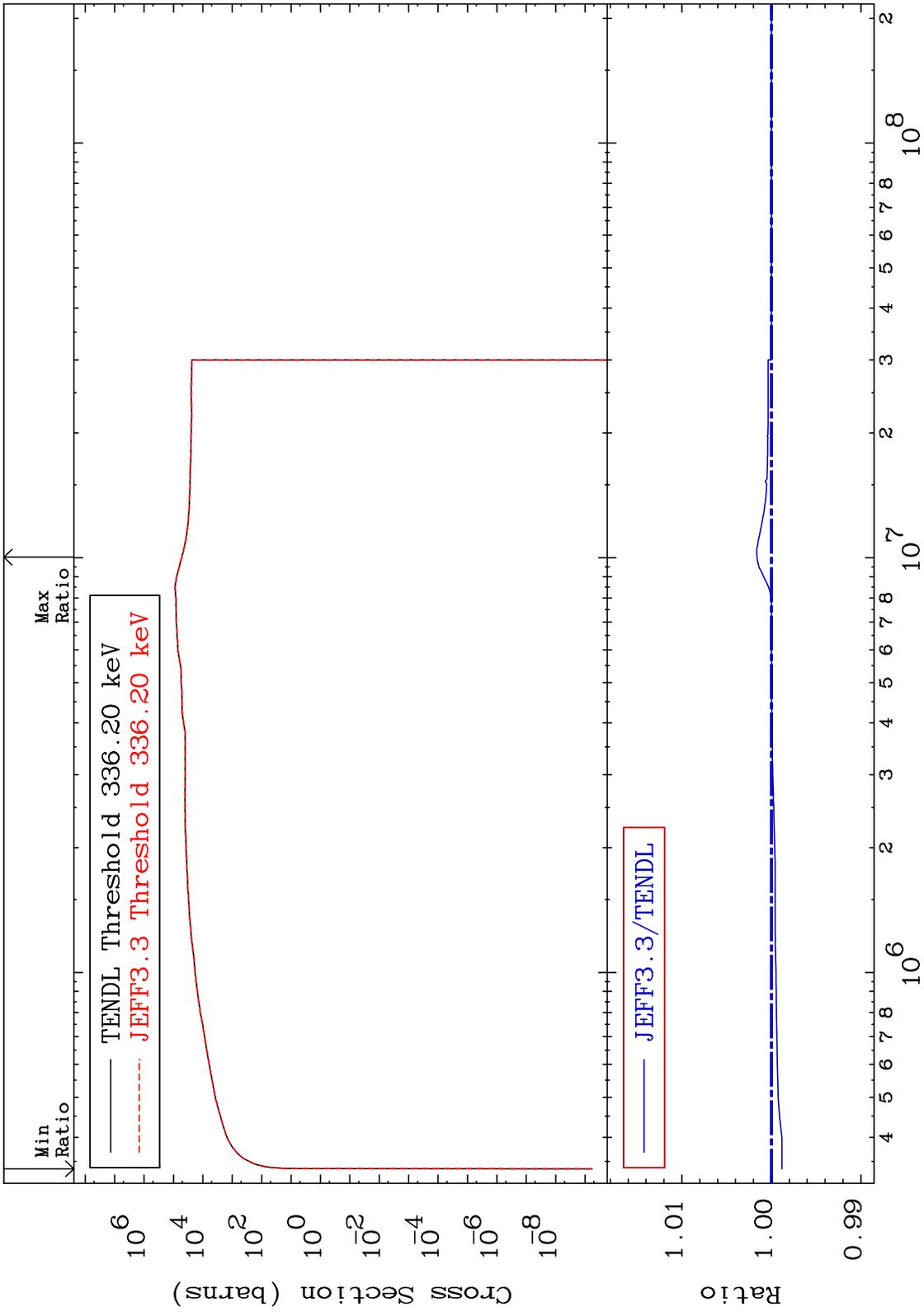
MAT 6243 Dpa total (eV-barns) 62-Sm-150
 Cross Section -99.97 To 9999. %



MAT 6243 Dpa elastic (mt2) 62-Sm-150
 Cross Section -99.98 To 9999. %



MAT 6243 Dpa inelastic (mt51-91) 62-Sm-150
Cross Section -0.117 To 0.164 %

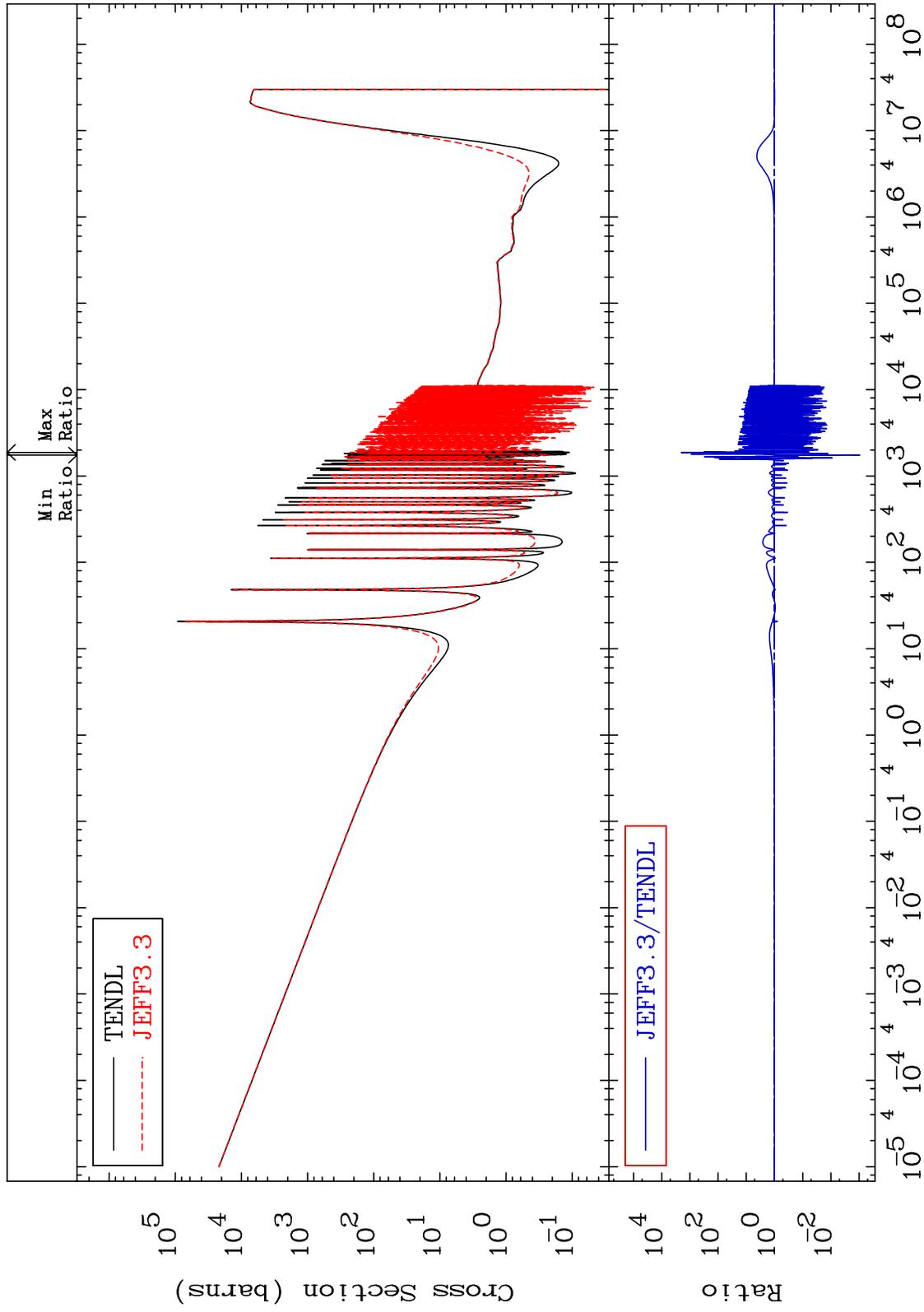


78 62-Sm-150

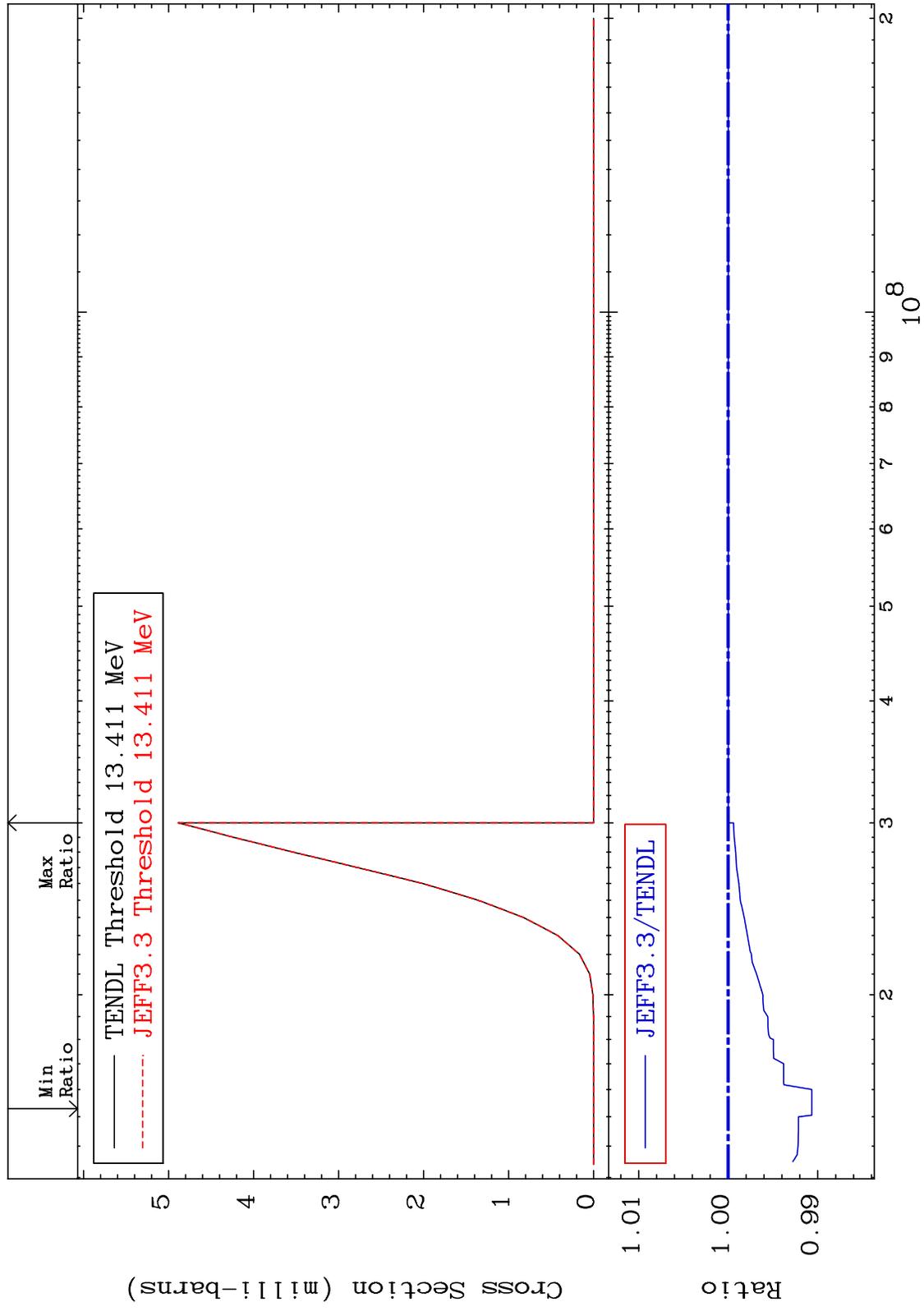
MAT 6243

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-150
-99.91 To 9999. %

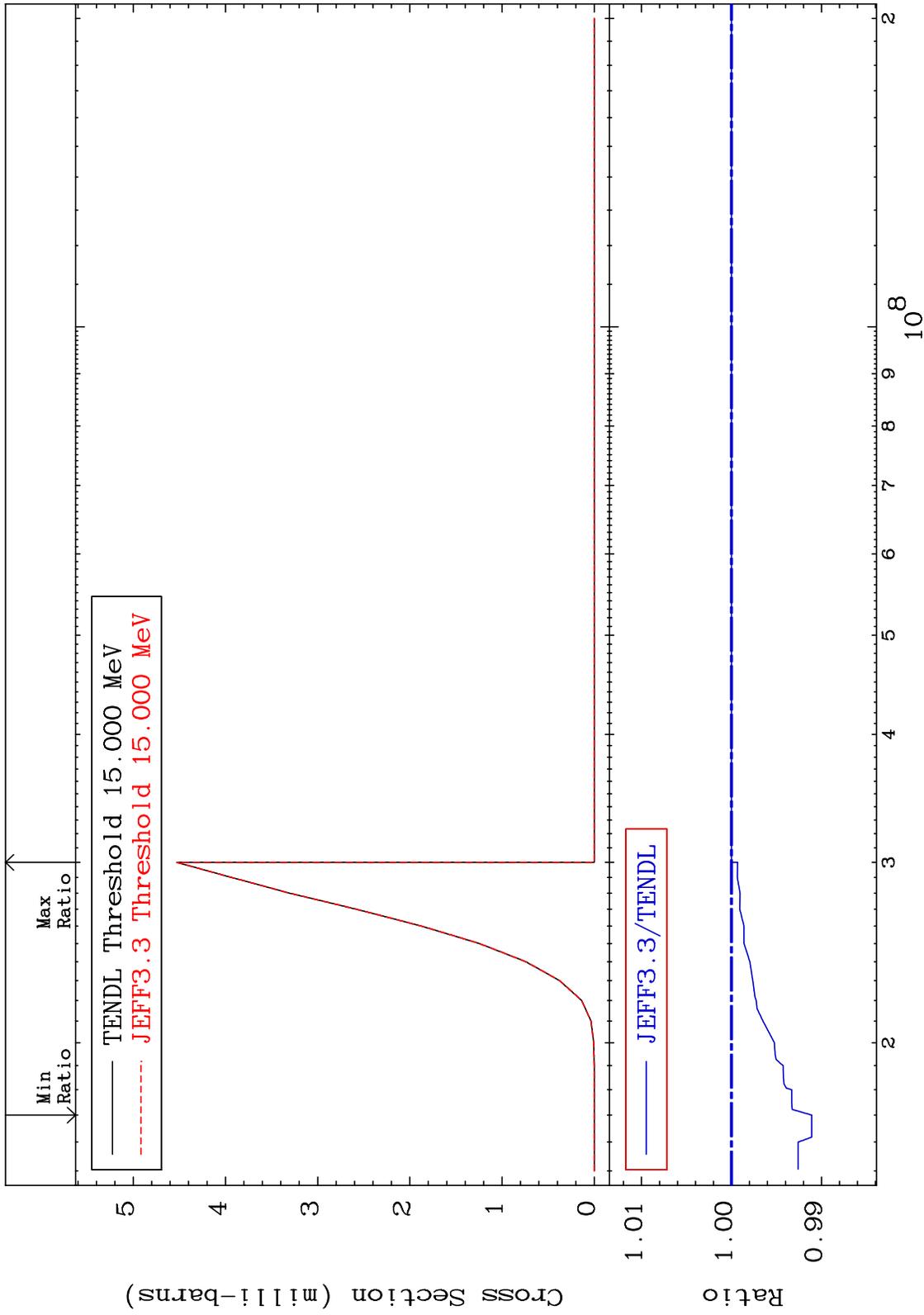


MAT 6243 (n, n') d:61-Pm-148g 62-Sm-150
Radionuclide Production Cross Section -0.933 To 0.000 %

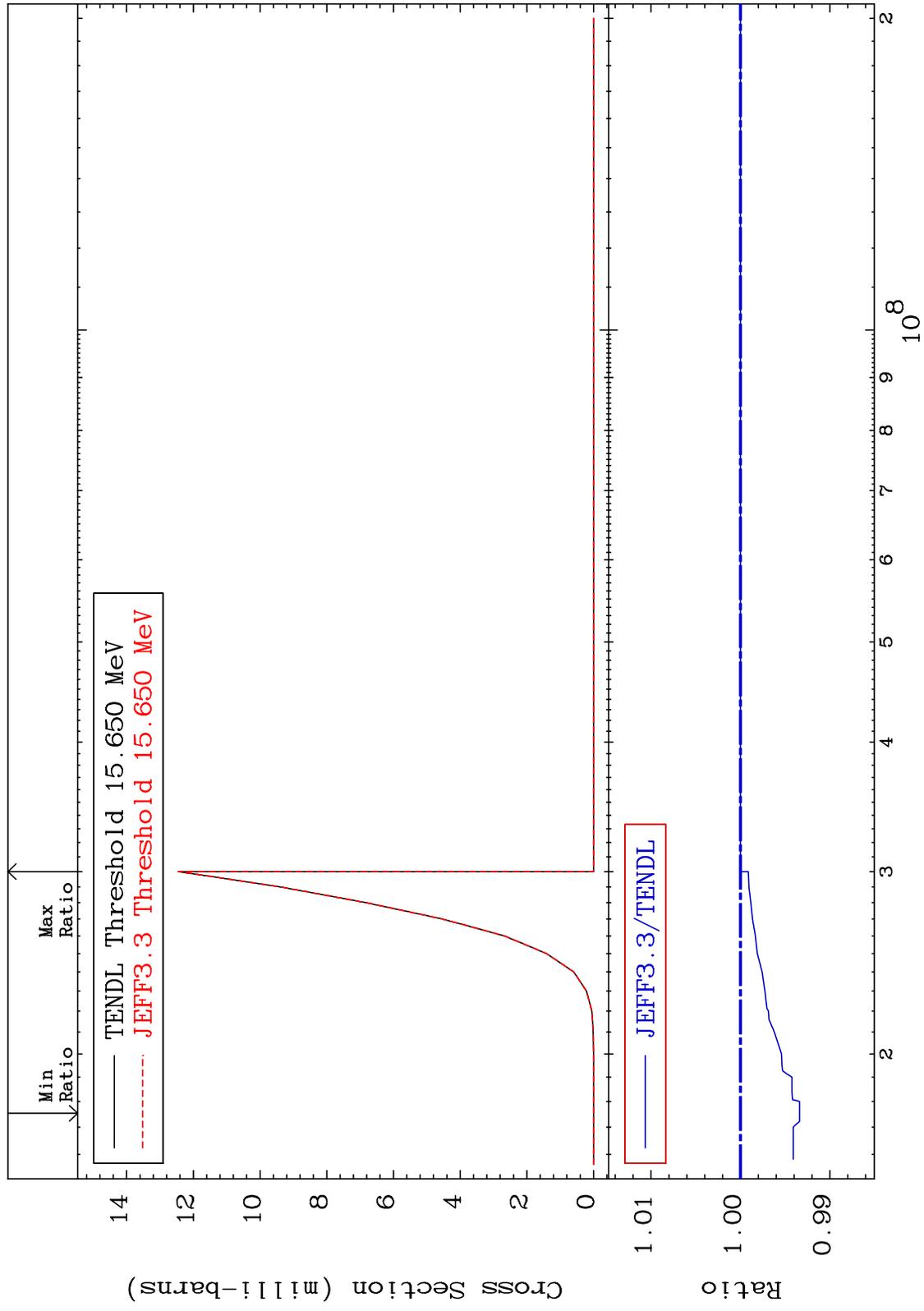


MAT 6243 (n,n') d:61-Pm-148m3 62-Sm-150

Radionuclide Production Cross Section -0.891 To 0.000 %



MAT 6243 (n,2n) p:61-Pm-148g 62-Sm-150
 Radionuclide Production Cross Section -0.660 To 0.000 %

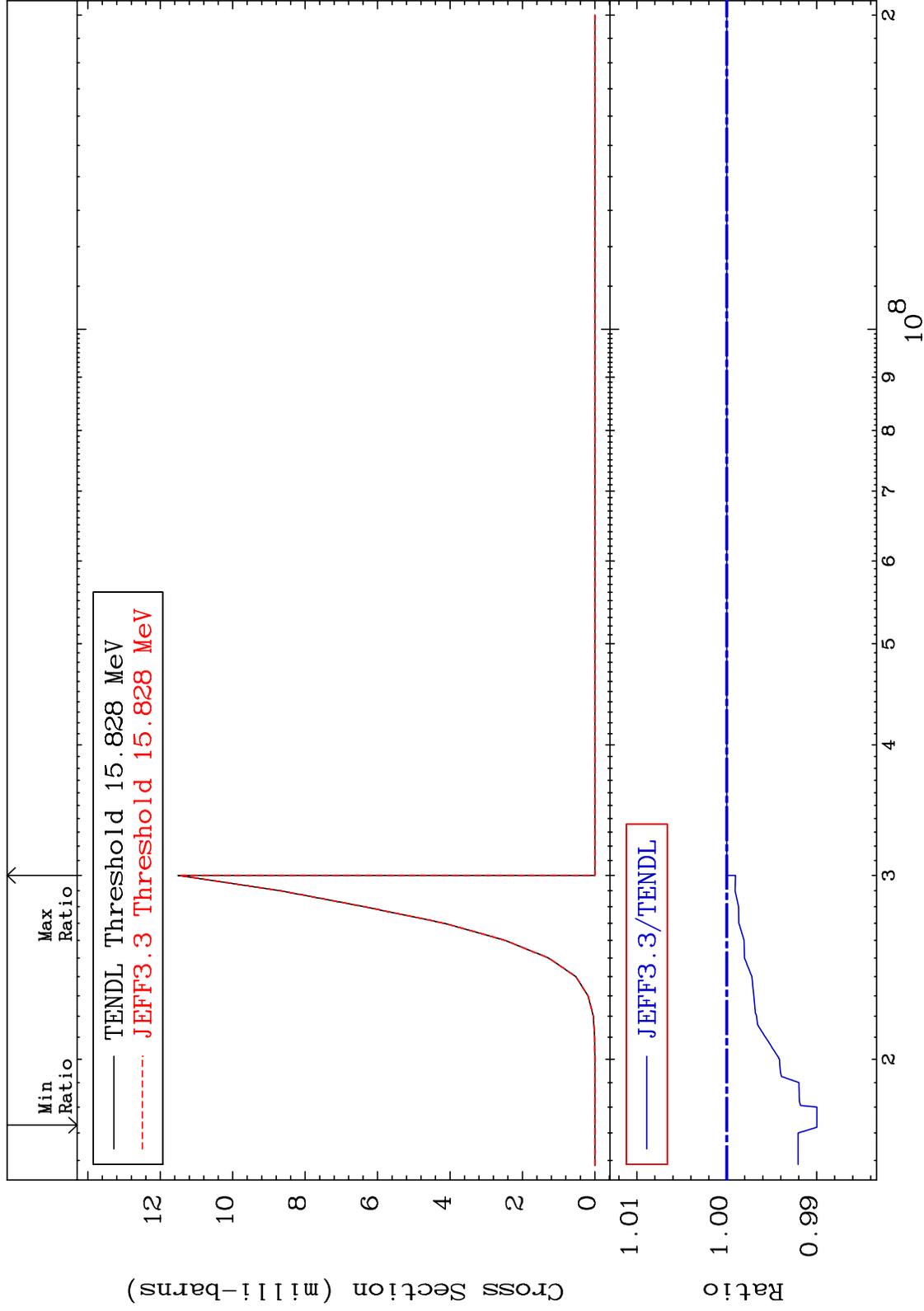


MAT 6243

(n,2n) p:61-Pm-148m3

62-Sm-150

Radionuclide Production Cross Section -1.002 To 0.000 %

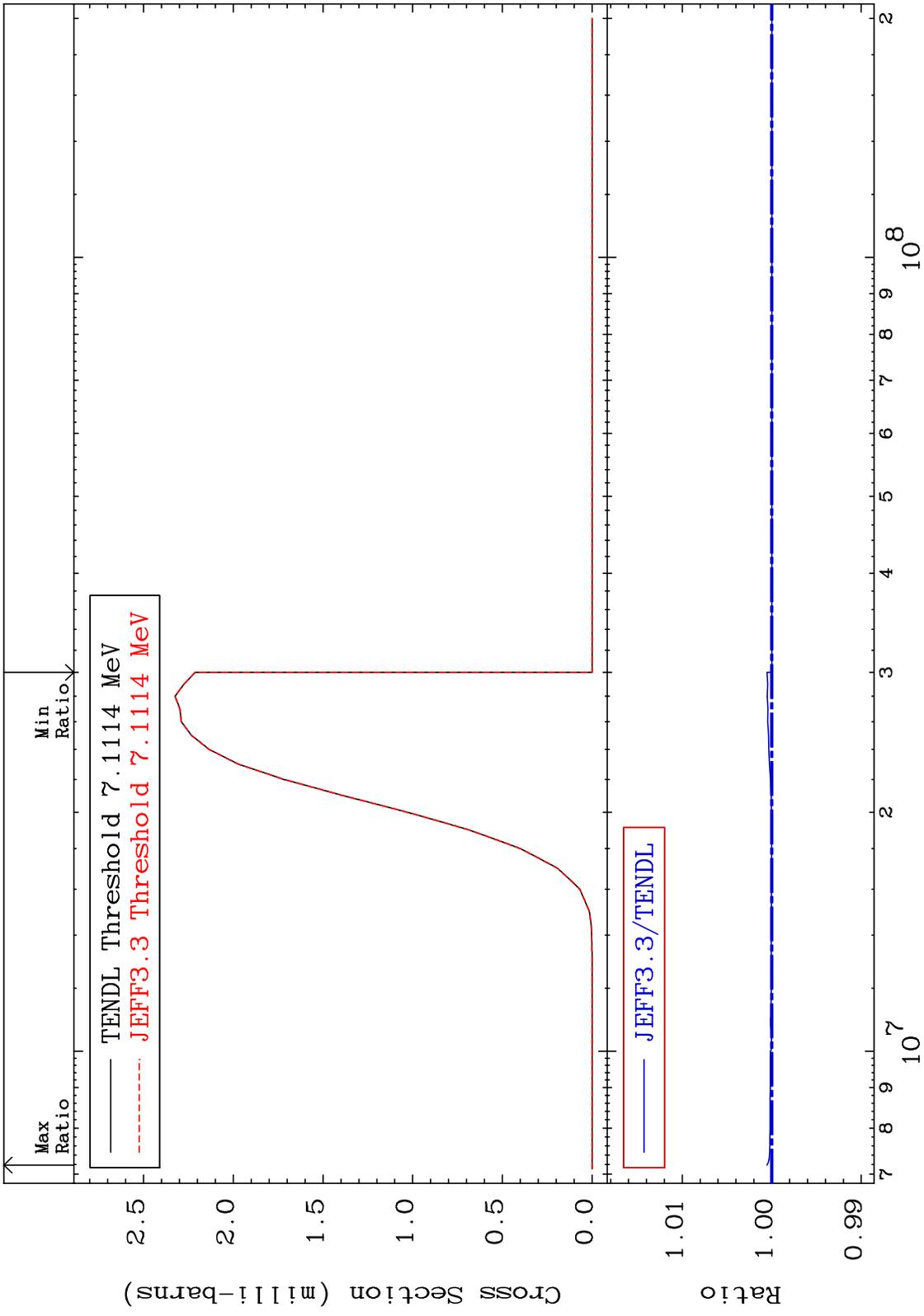


83

Incident Energy (eV)

62-Sm-150

MAT 6243 (n,t):61-Pm-148 62-Sm-150
 Radionuclide Production Cross Section 0.000 To 0.055 %



MAT 6243 (n, t): 61-Pm-148m3 62-Sm-150
 Radionuclide Production Cross Section 0.000 To 0.211 %

