

Program Complot
(Version 2018-1)

by

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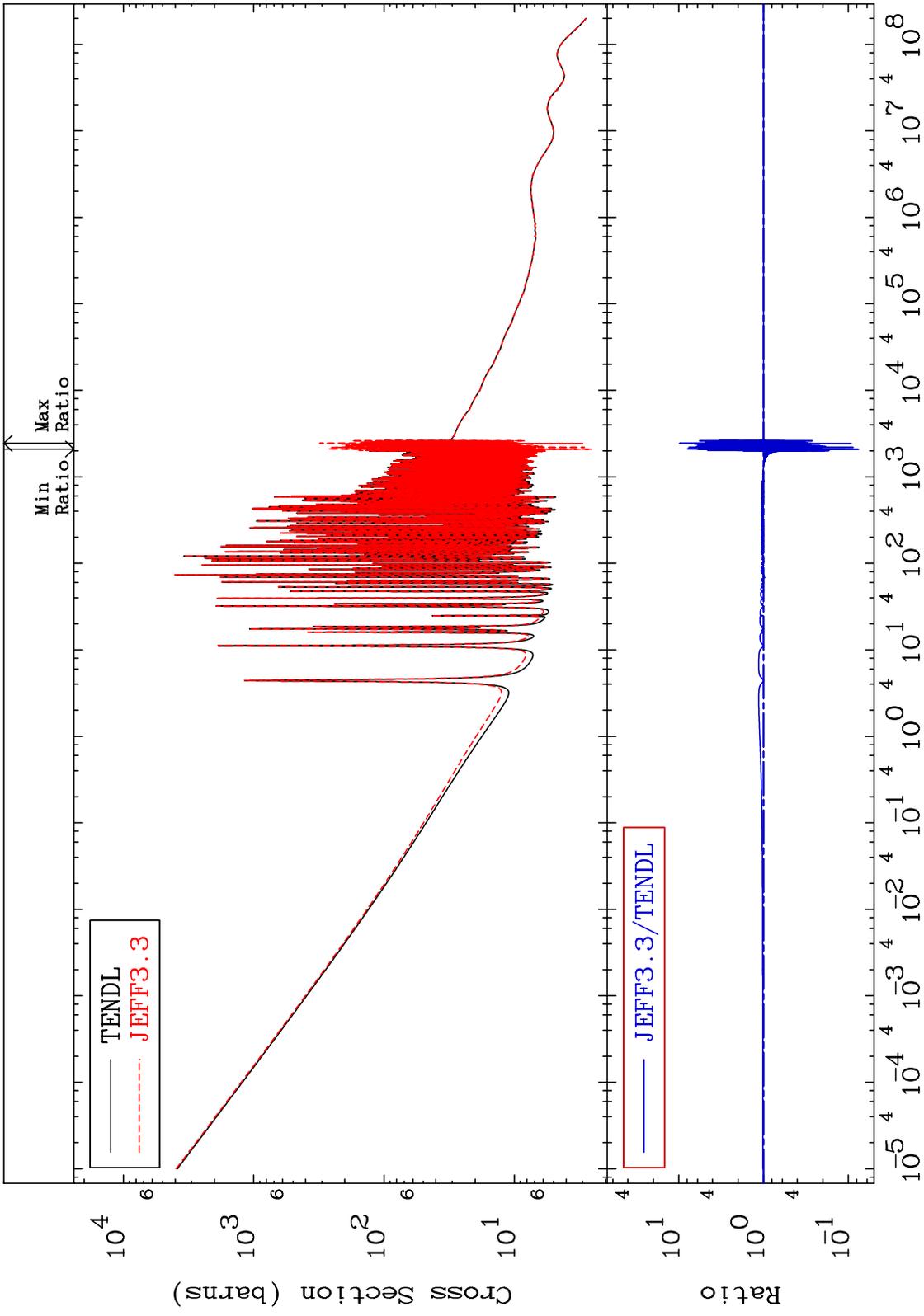
U.S.A.

Tele: 925-443-1911

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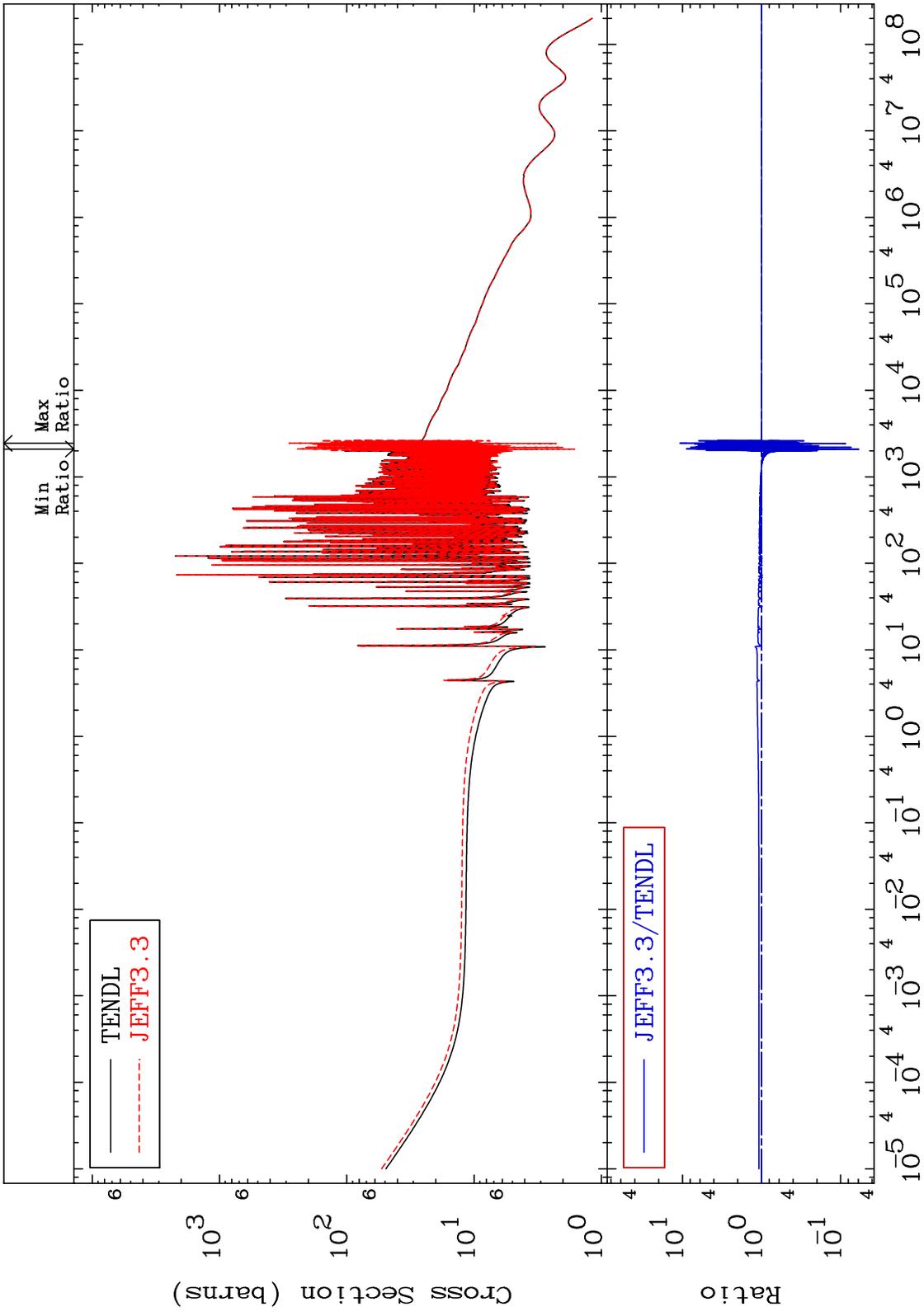
Press Mouse Button to Start

MAT 7531 Total Cross Section 75-Re-187
-92.48 To 876.1 %

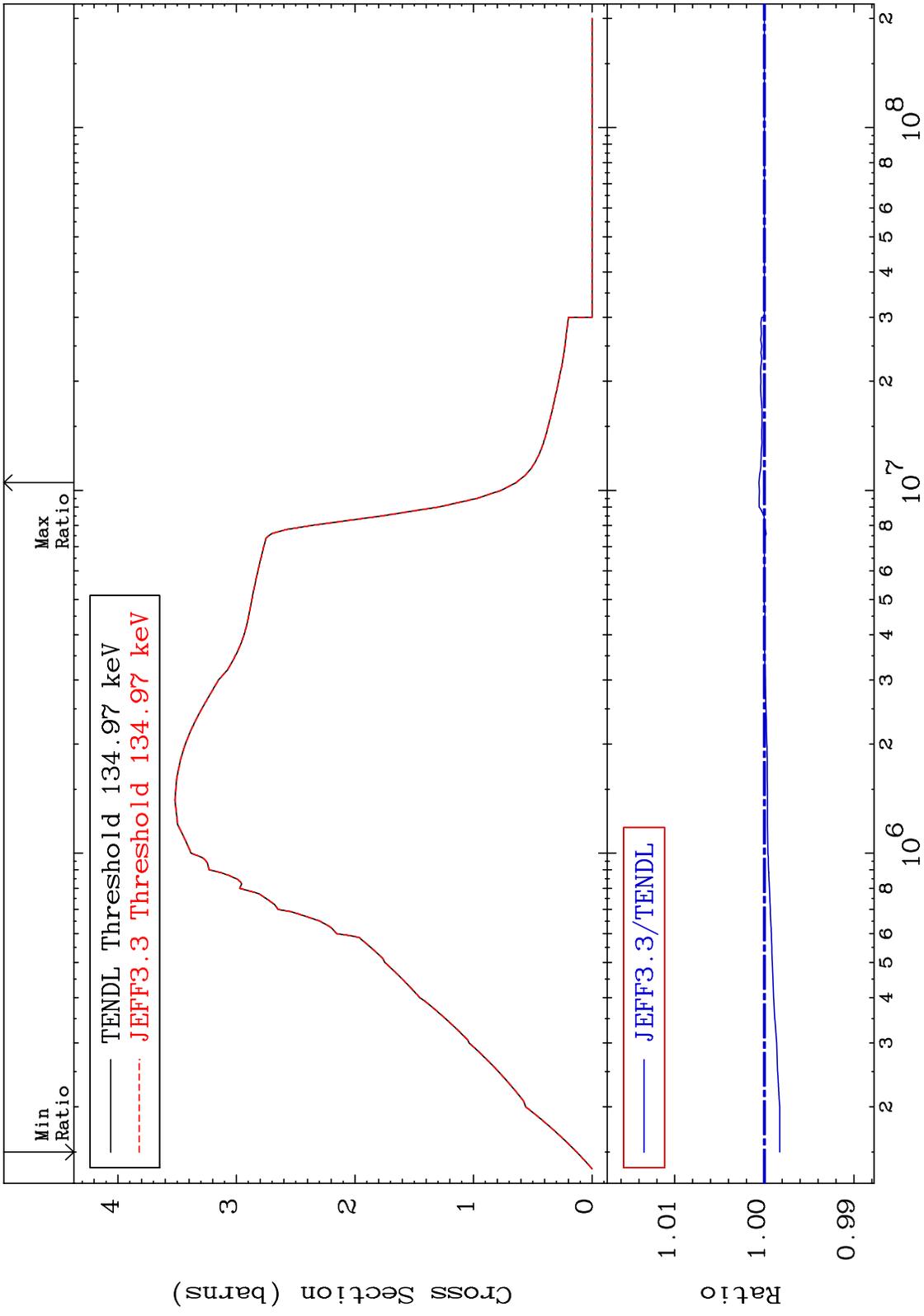


1 Incident Energy (eV) 75-Re-187

MAT 7531 Elastic Cross Section 75-Re-187 -94.10 To 981.0 %

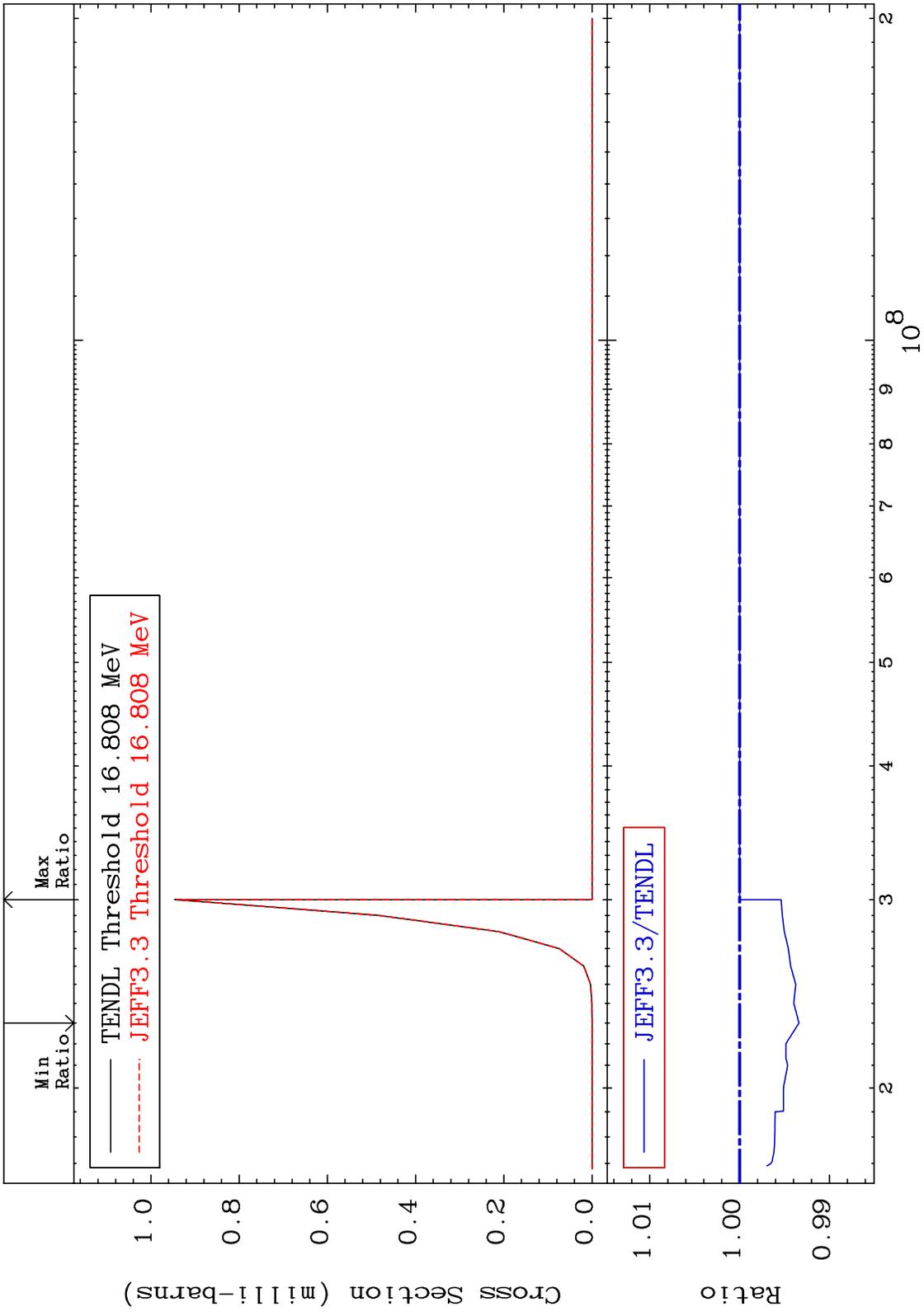


MAT 7531 Inelastic Cross Section 75-Re-187 -0.172 To 0.061 %

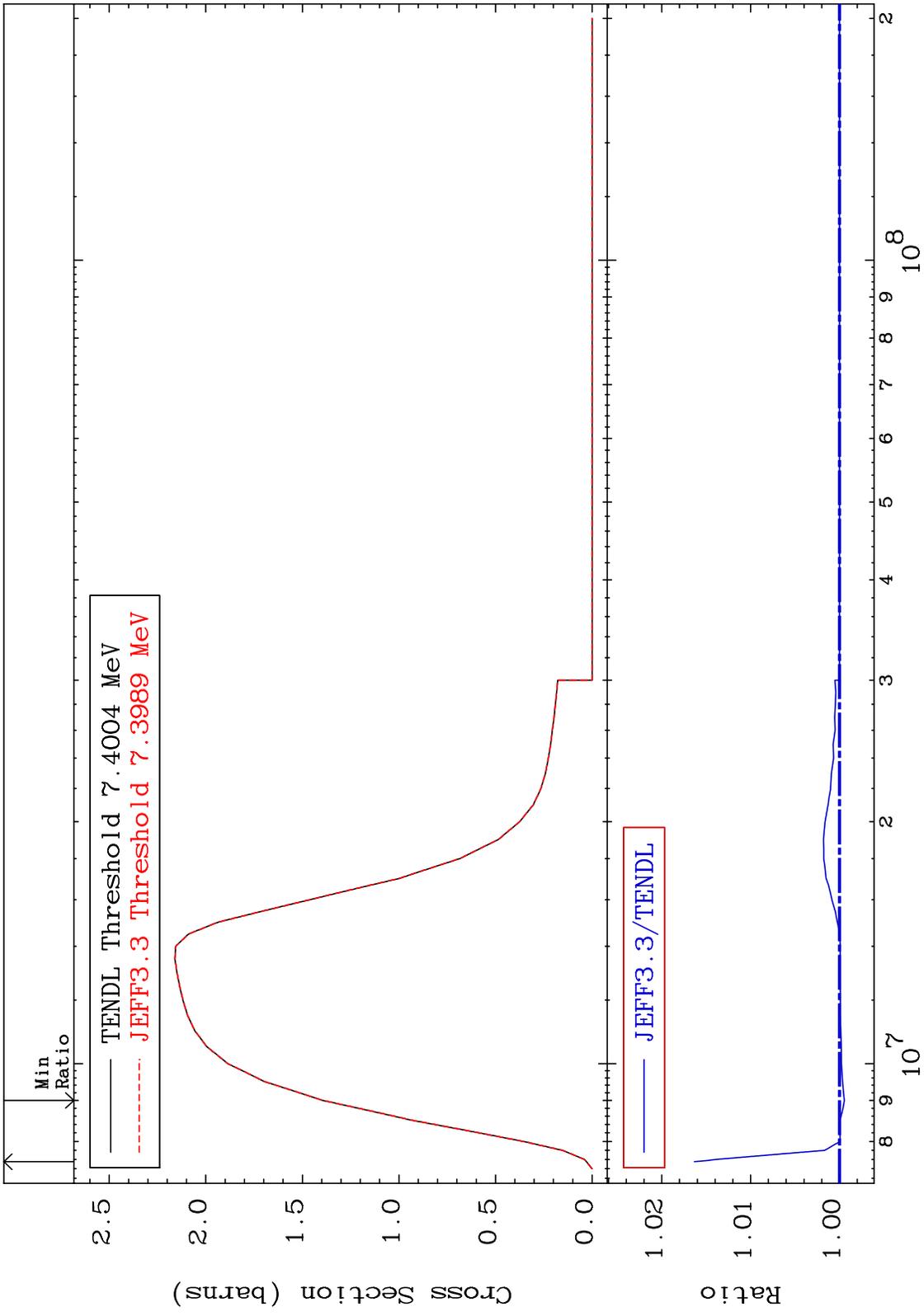


3 Incident Energy (eV) 75-Re-187

MAT 7531 (n,2n) d 75-Re-187
 Cross Section -0.660 To 0.000 %

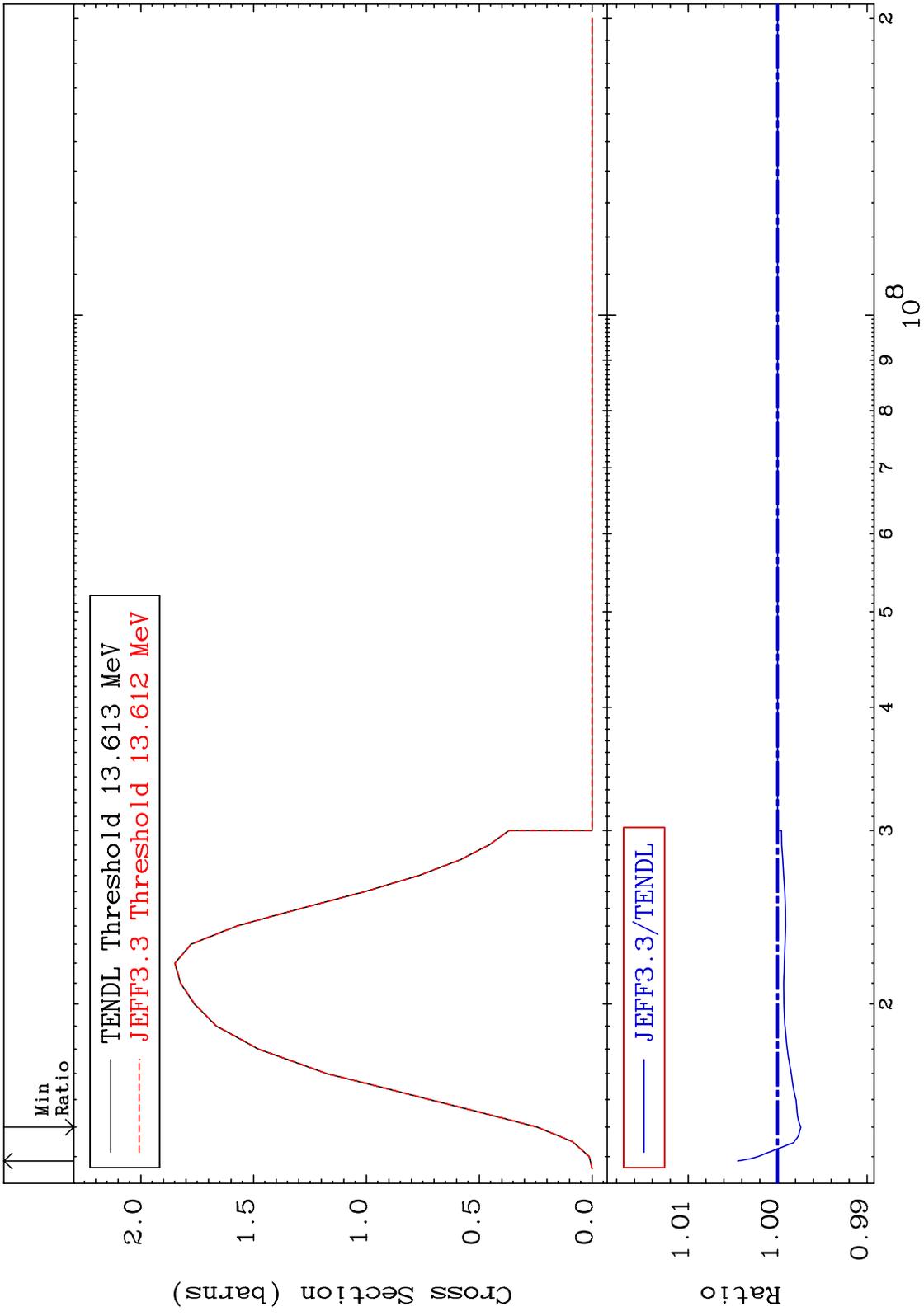


MAT 7531 (n,2n) Cross Section 75-Re-187 -0.054 To 1.635 %



5 Incident Energy (eV) 75-Re-187

MAT 7531 (n,3n) Cross Section 75-Re-187 -0.260 To 0.445 %

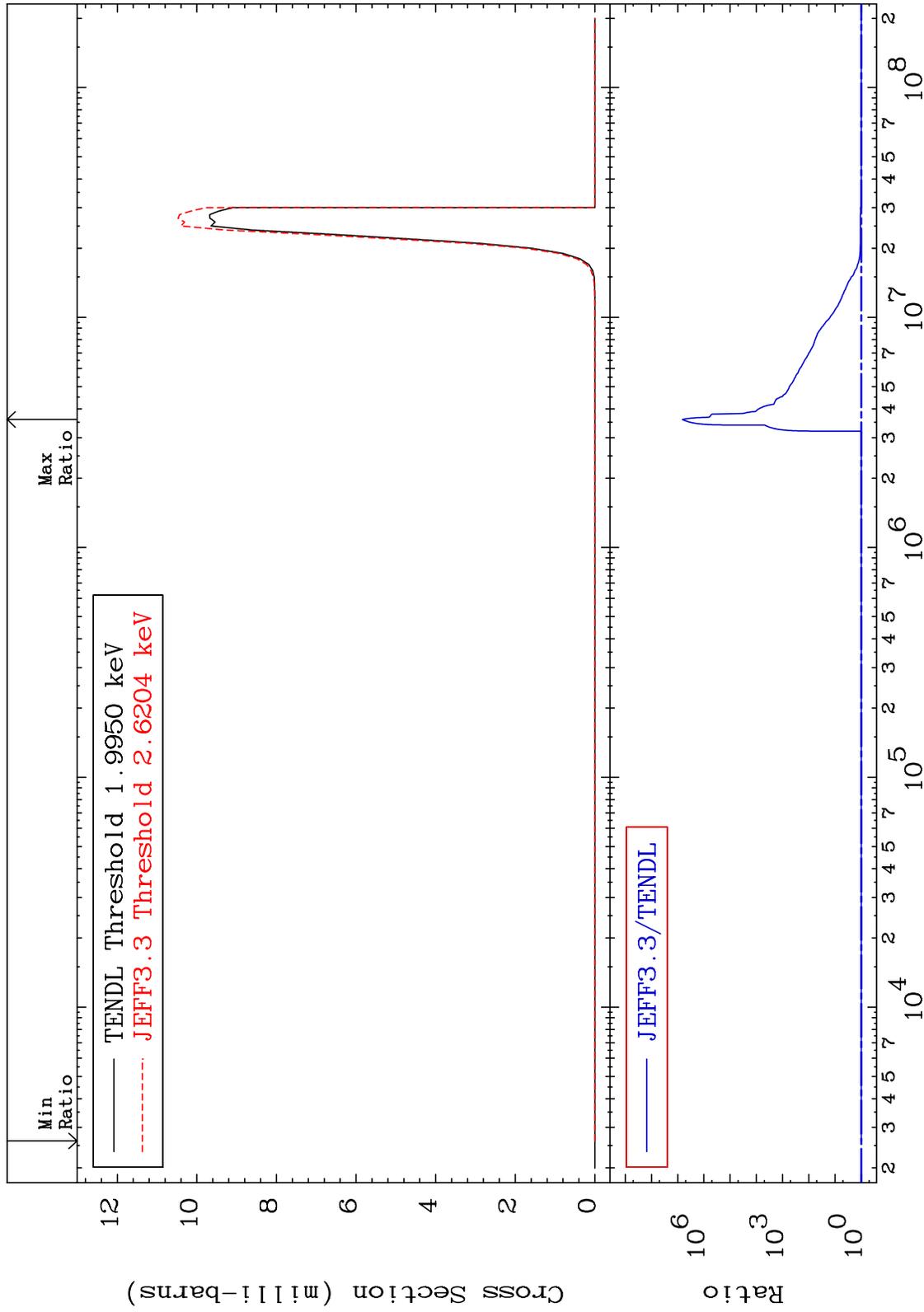


MAT 7531

$(n, n') \alpha$

75-Re-187

Cross Section 0.000 To 9999. %

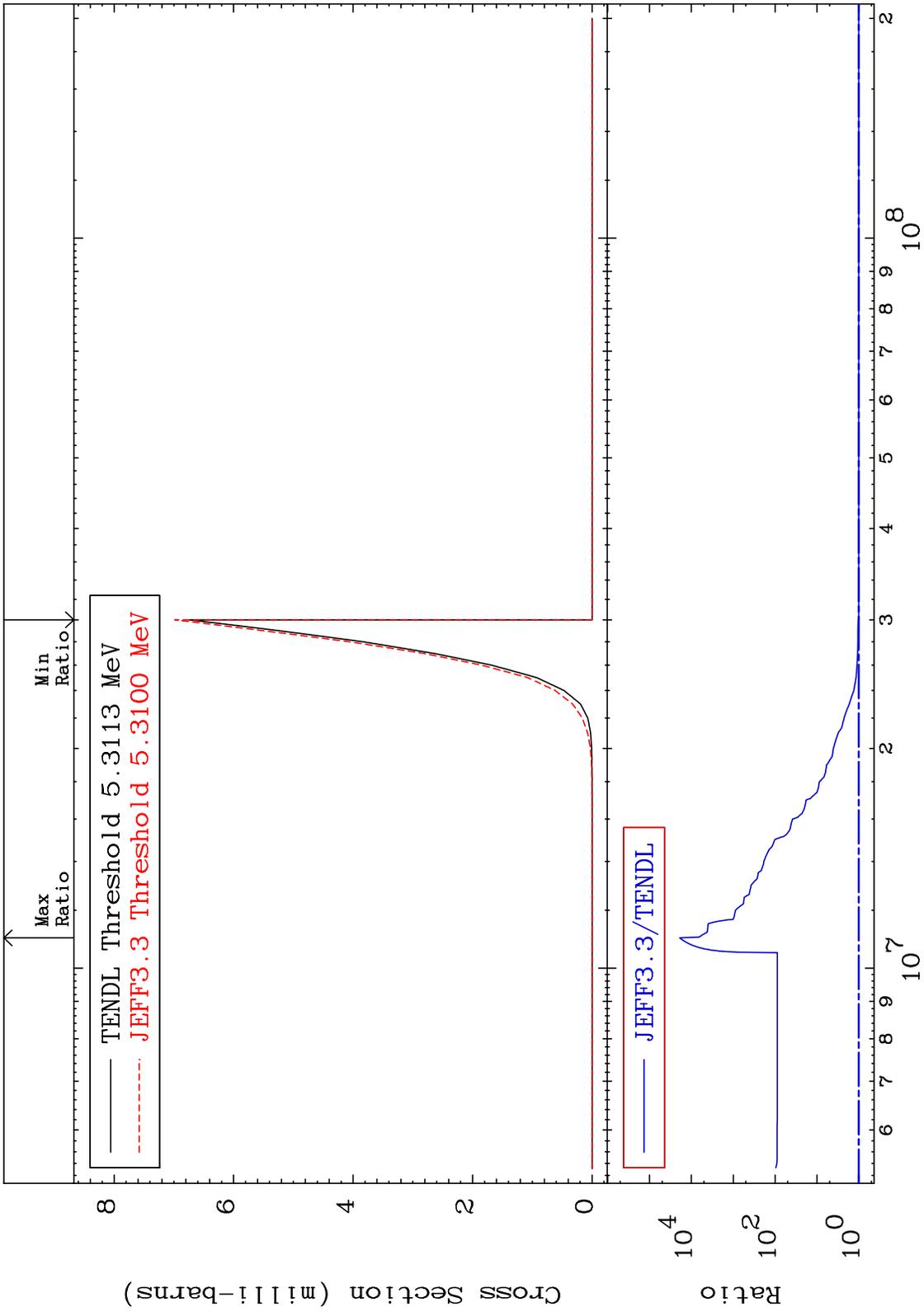


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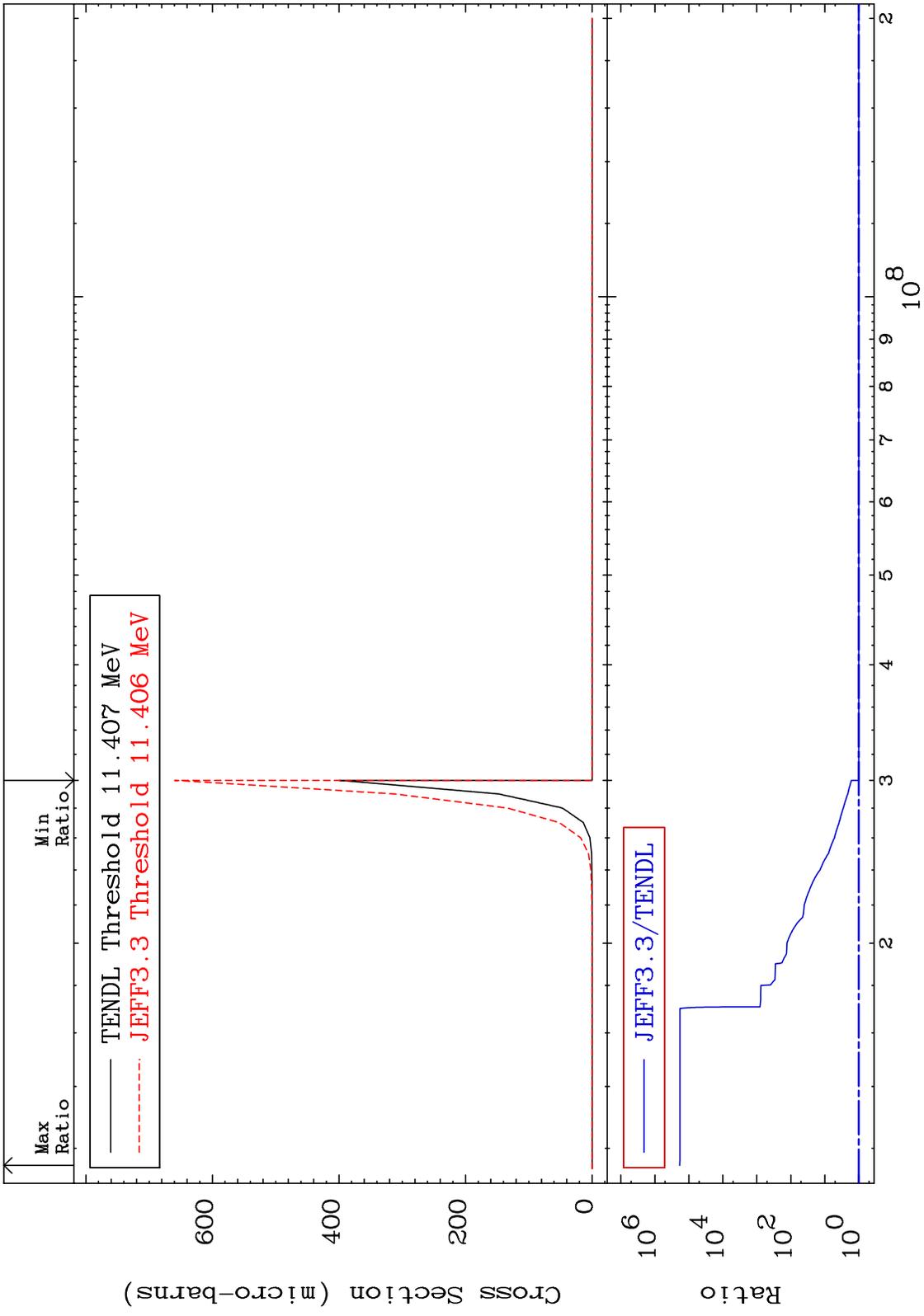
Incident Energy (eV)

75-Re-187

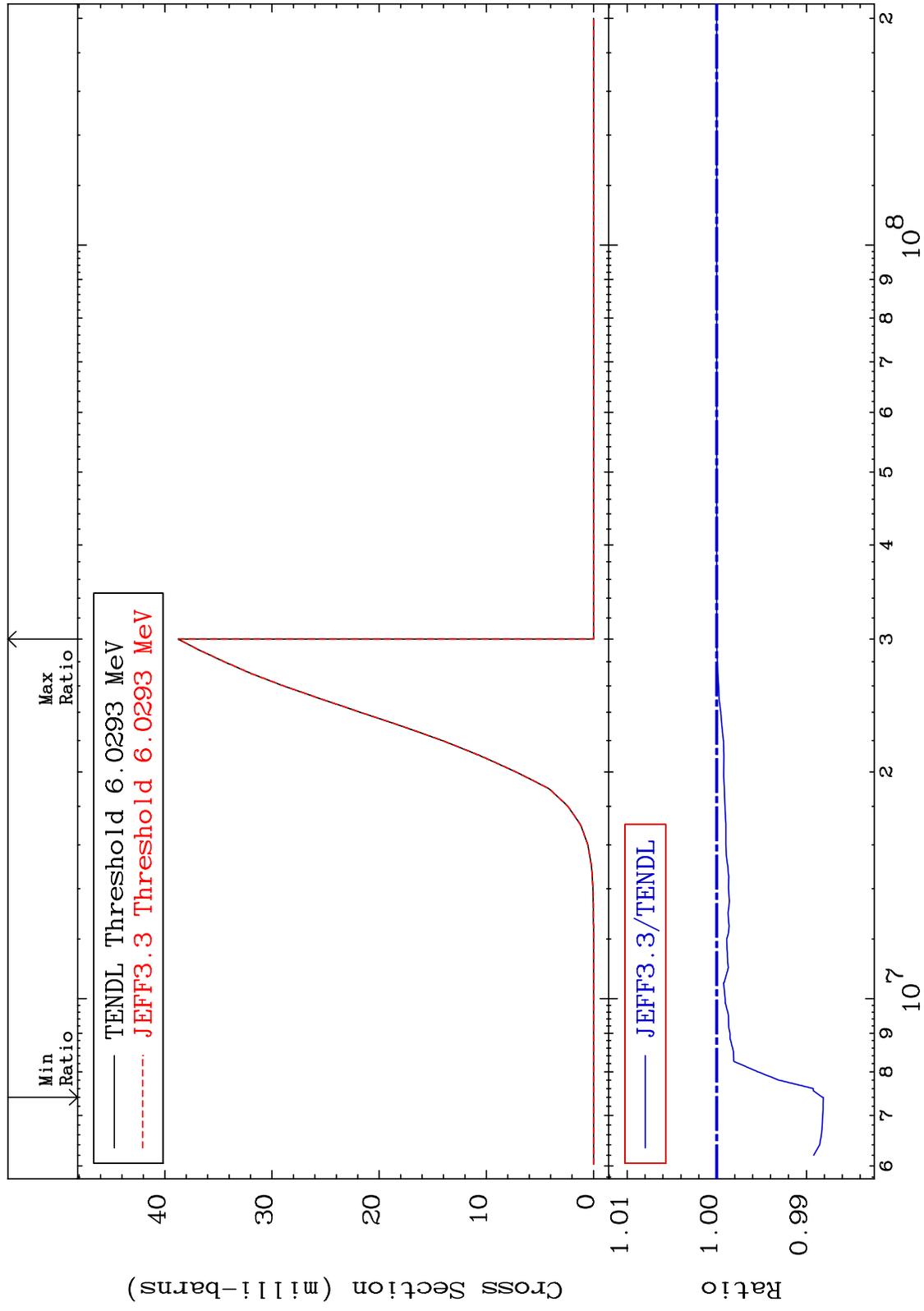
MAT 7531 $(n, 2n) \alpha$ Cross Section 75-Re-187 To 9999. %

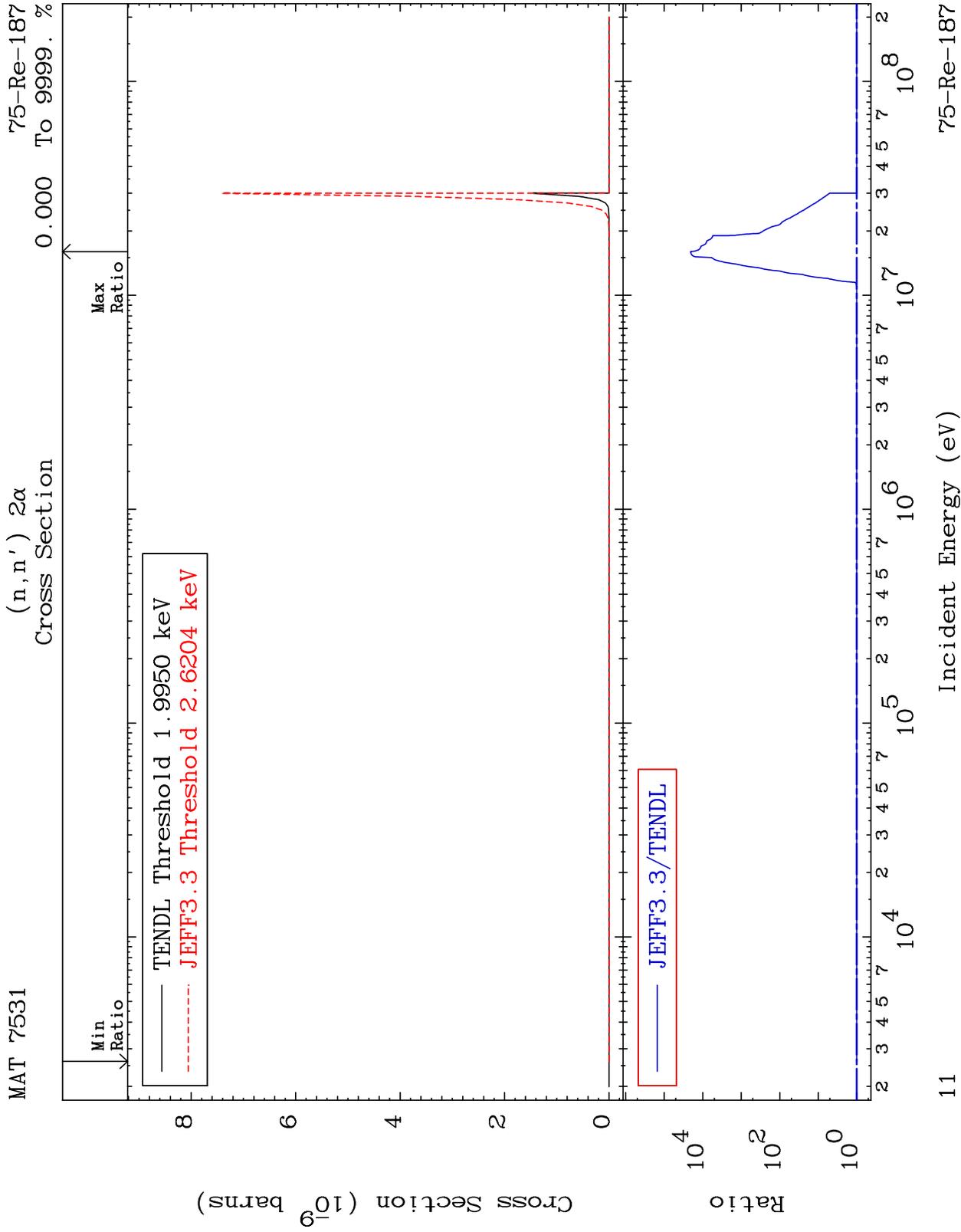


MAT 7531 $(n, 3n) \alpha$ Cross Section 75-Re-187 To 9999. %

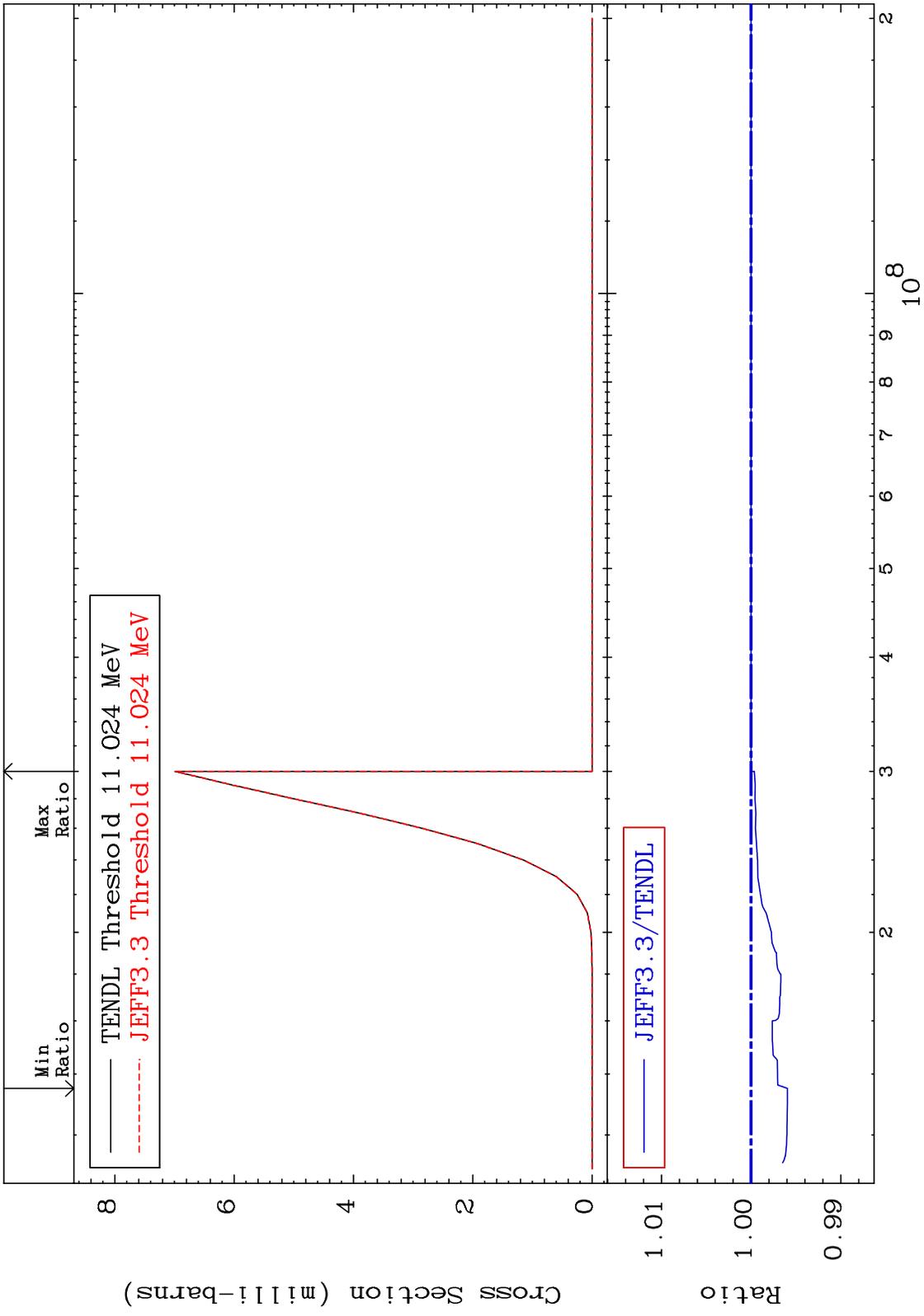


MAT 7531 (n, n') p 75-Re-187
Cross Section -1.188 To 0.002 %

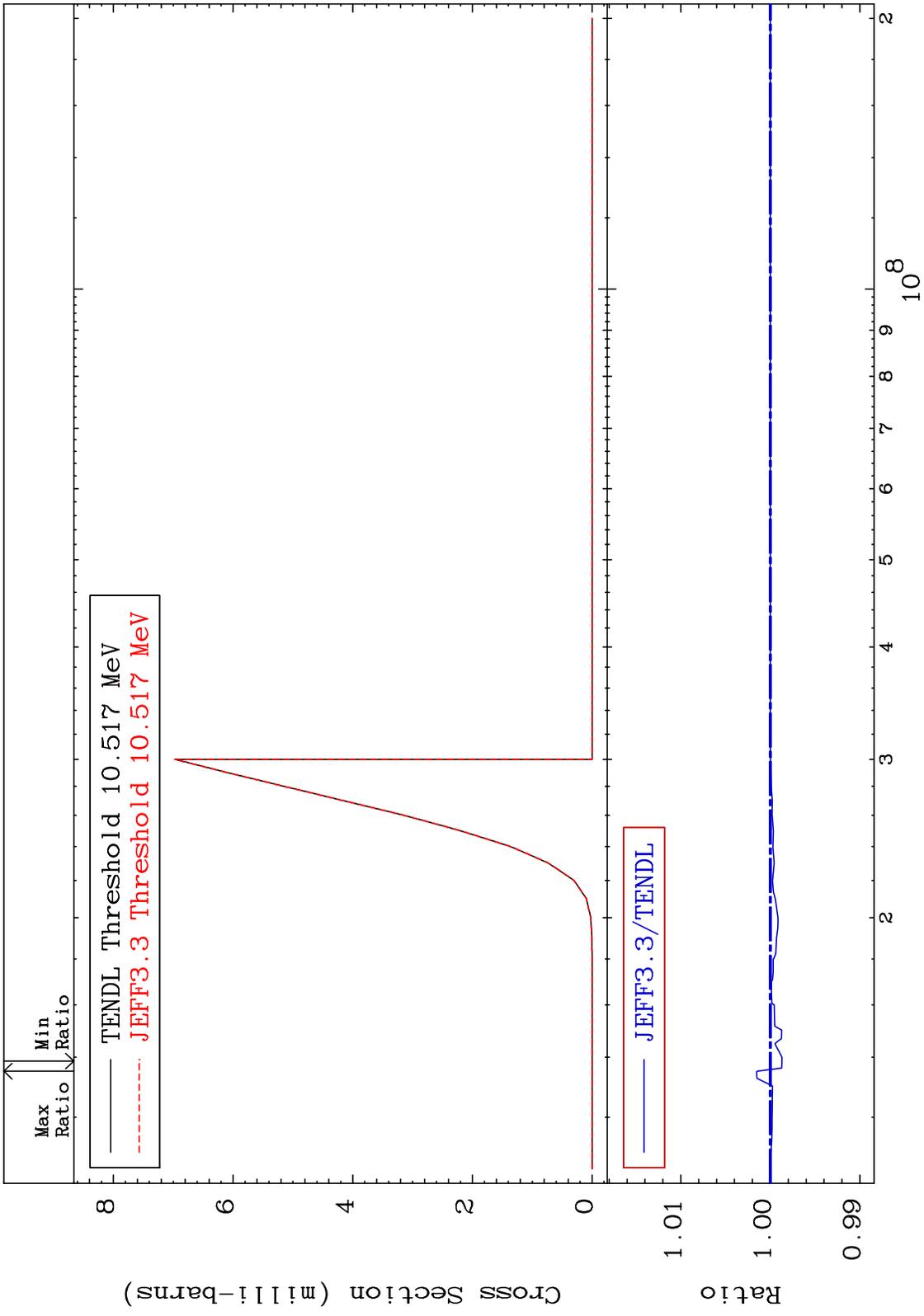




MAT 7531 $(n, n') d$ 75-Re-187
 Cross Section -0.405 To 0.000 %



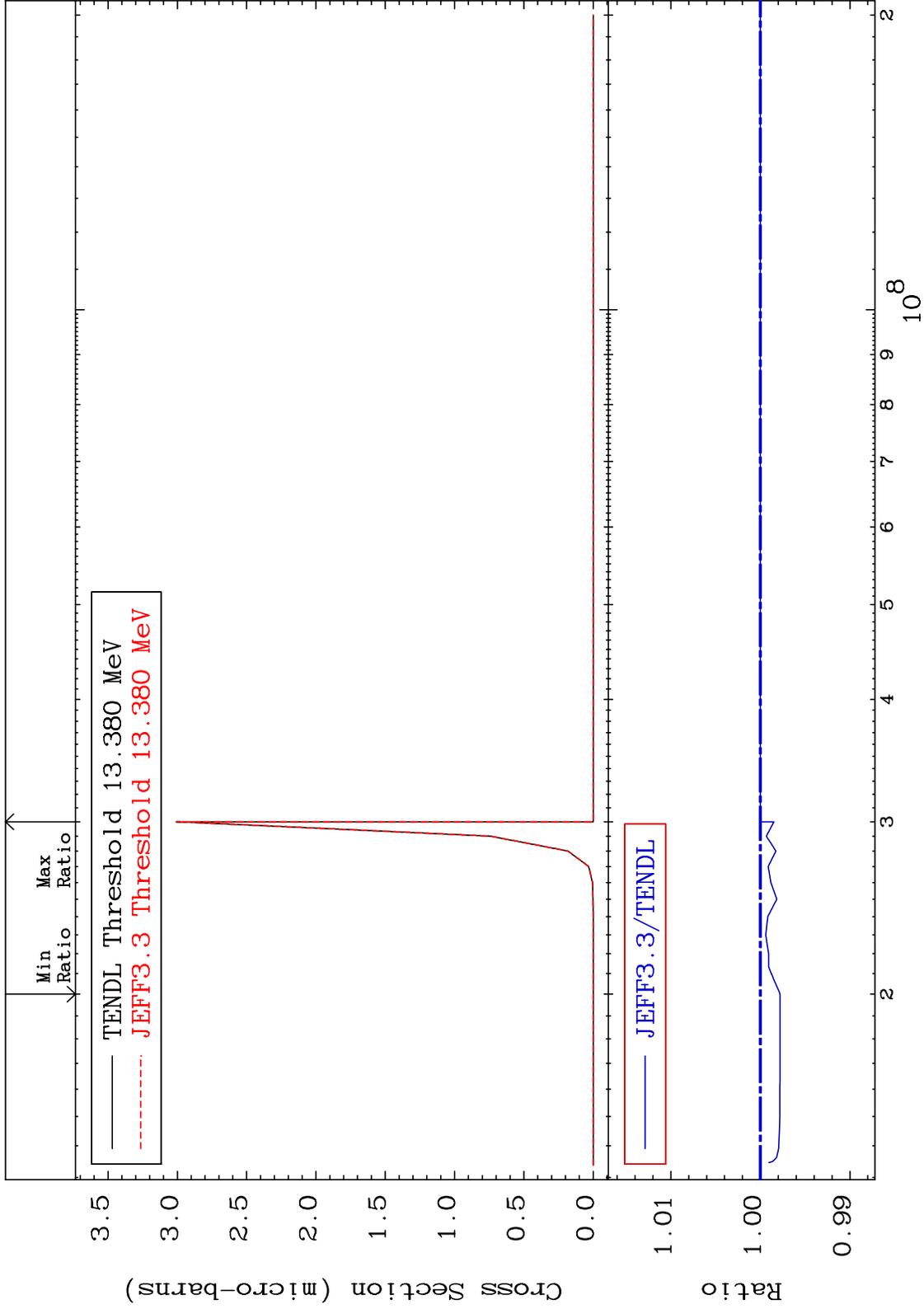
MAT 7531 (n, n') t 75-Re-187
 Cross Section -0.129 To 0.152 %



MAT 7531

(n, n') He-3
Cross Section

75-Re-187
-0.220 To 0.000 %



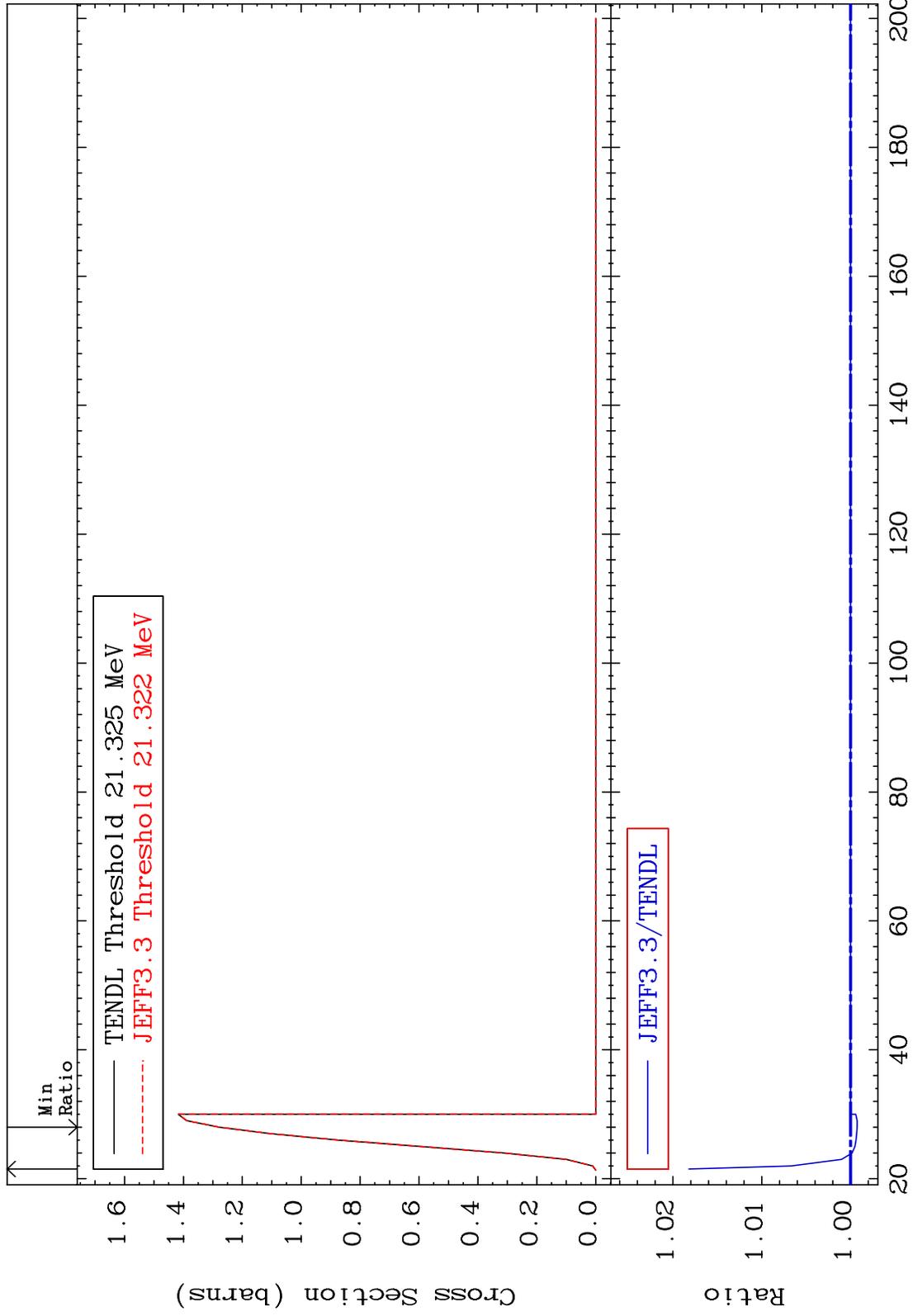
MAT 7531

(n,4n)

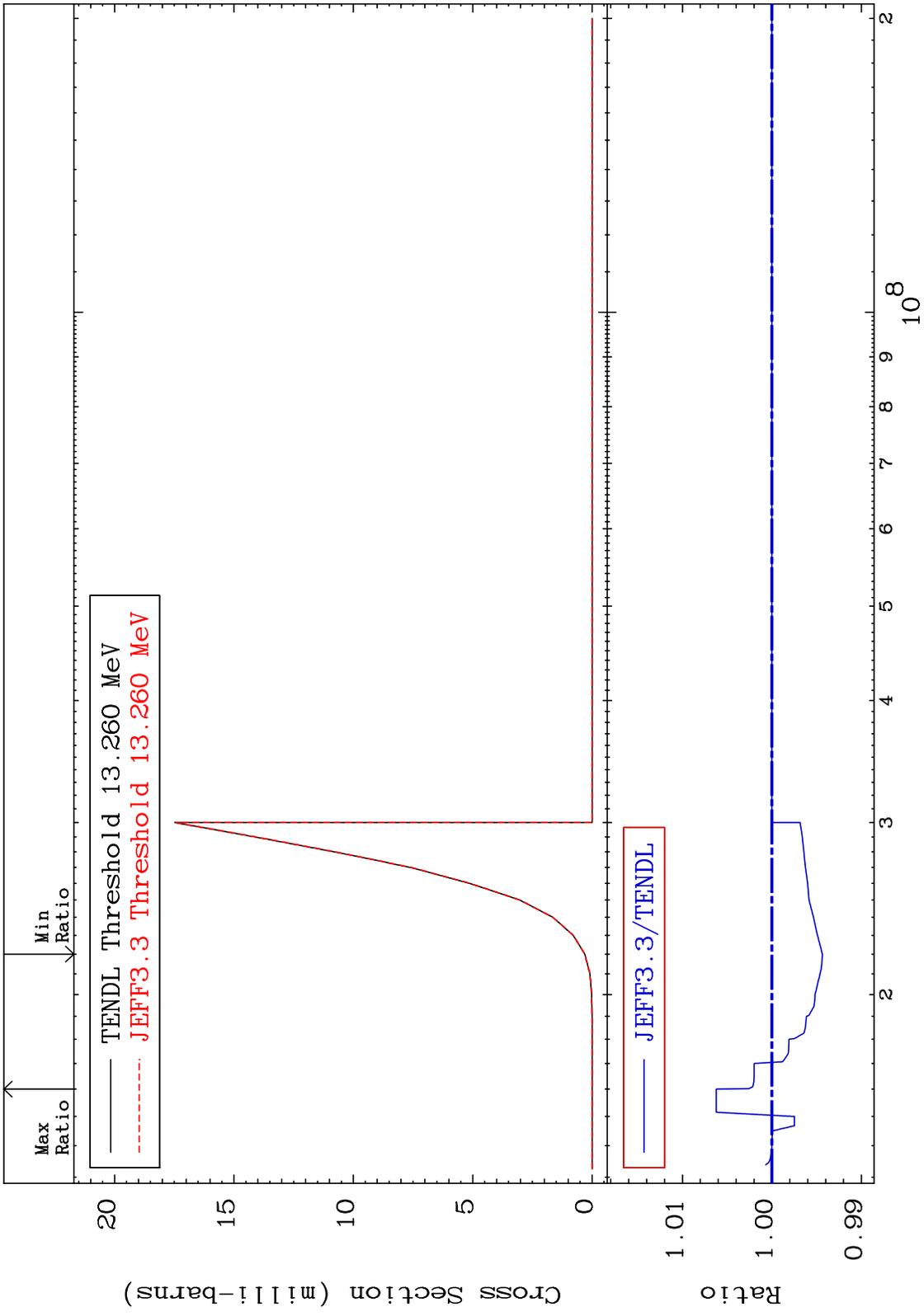
75-Re-187

Cross Section

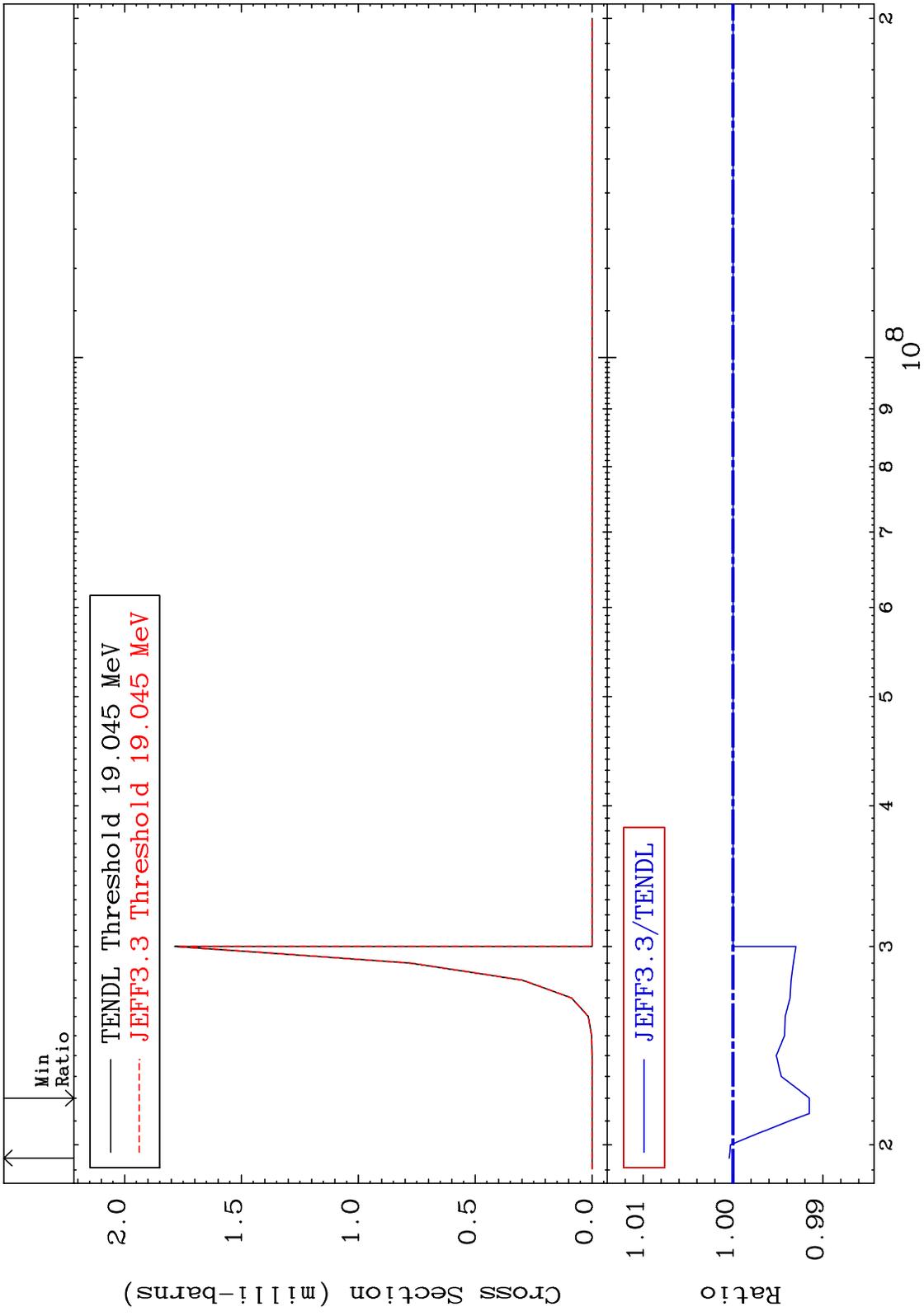
-0.074 To 1.821 %



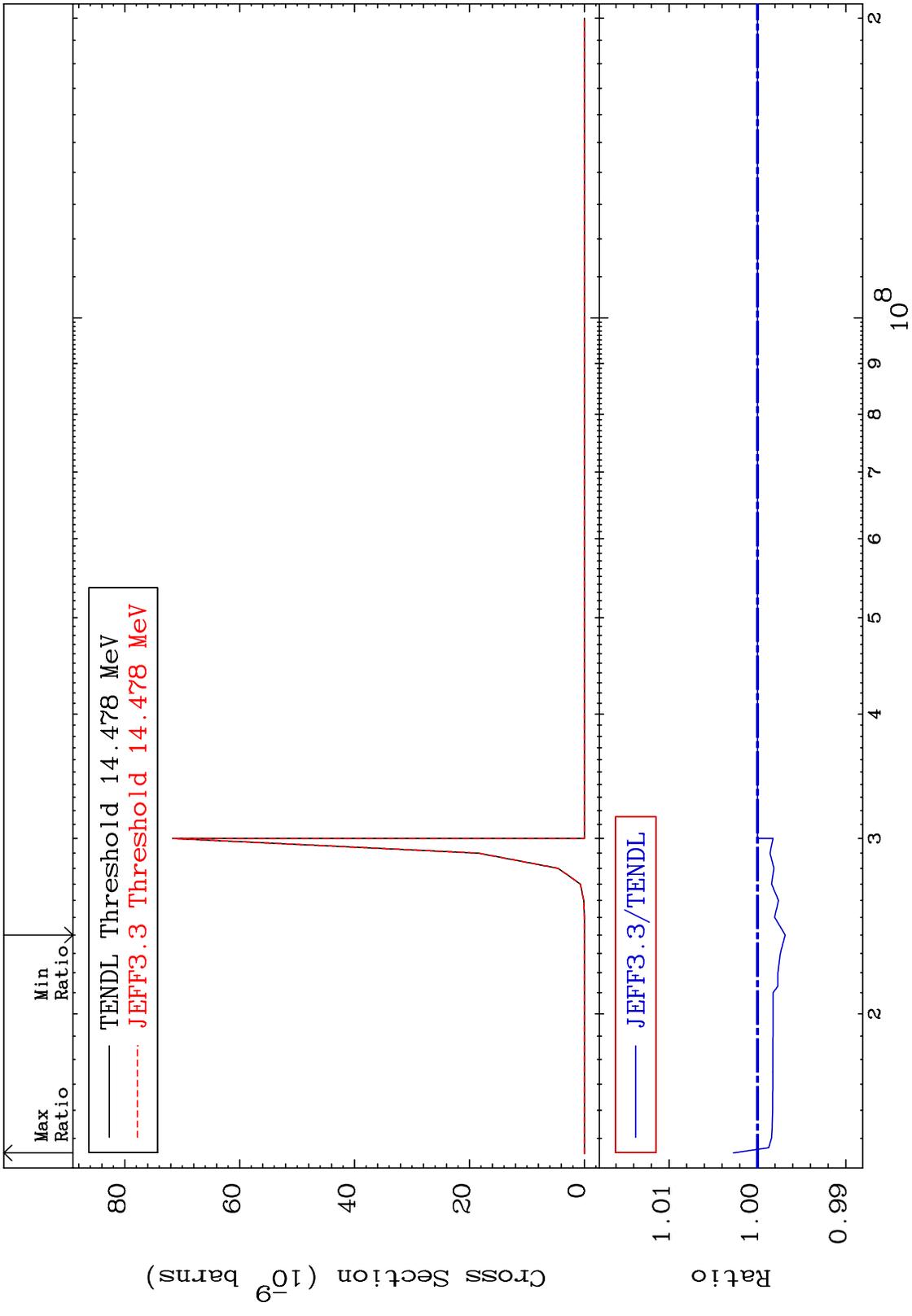
MAT 7531 (n,2n) p 75-Re-187
 Cross Section -0.563 To 0.622 %



MAT 7531 (n,3n) p 75-Re-187
 Cross Section -0.850 To 0.043 %



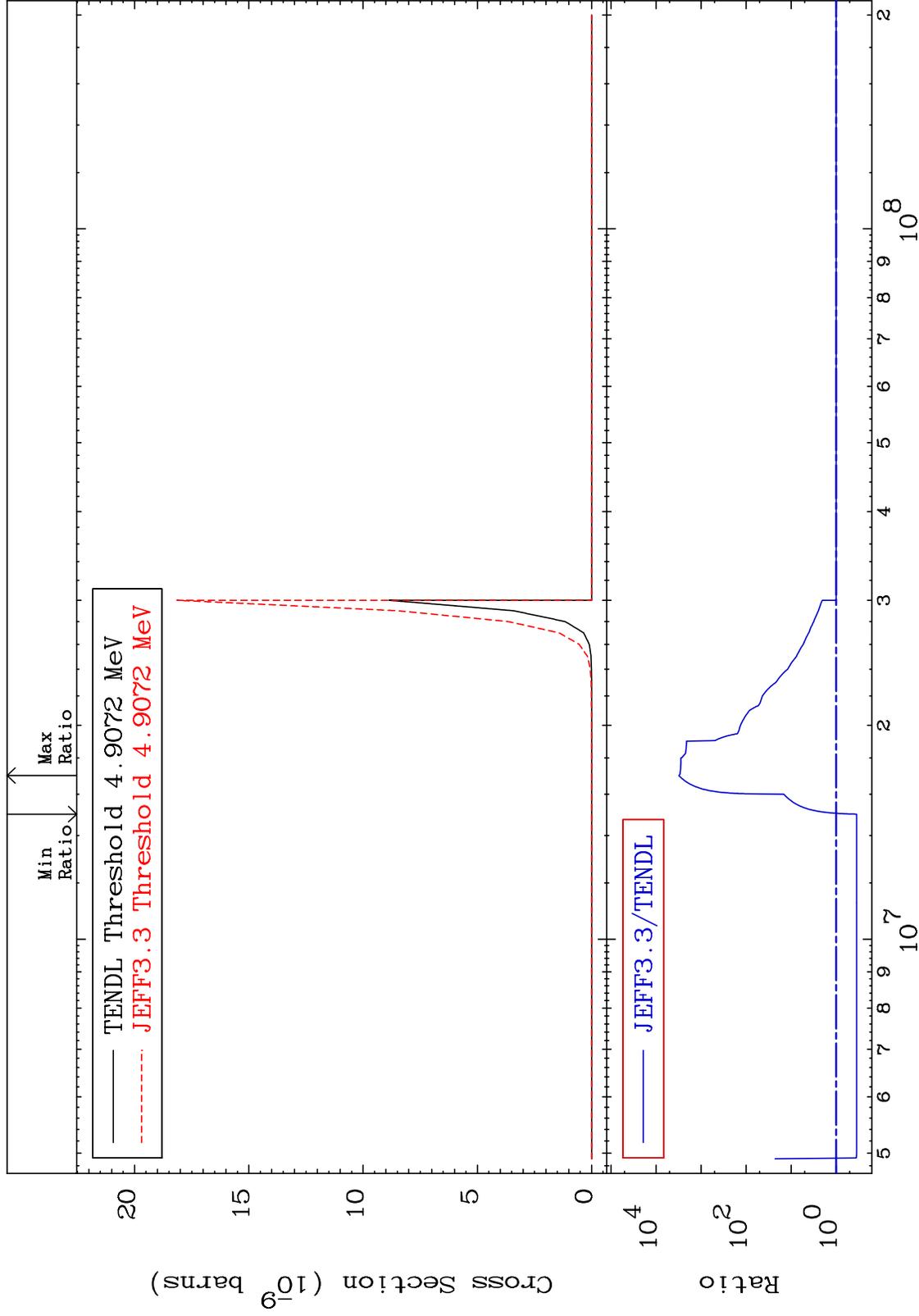
MAT 7531 (n,2n) p 75-Re-187
 Cross Section -0.314 To 0.272 %



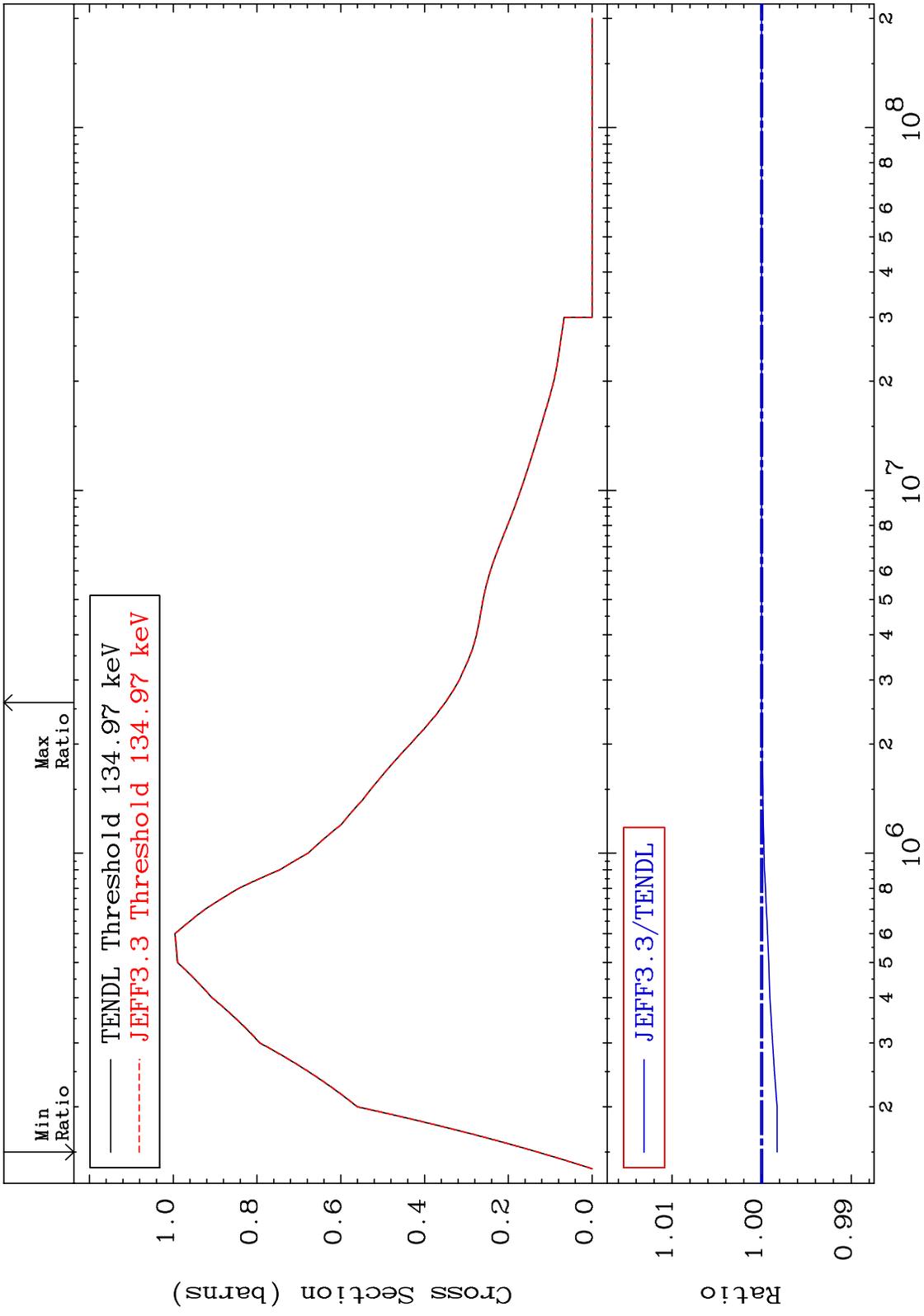
MAT 7531

(n,n') p α
Cross Section

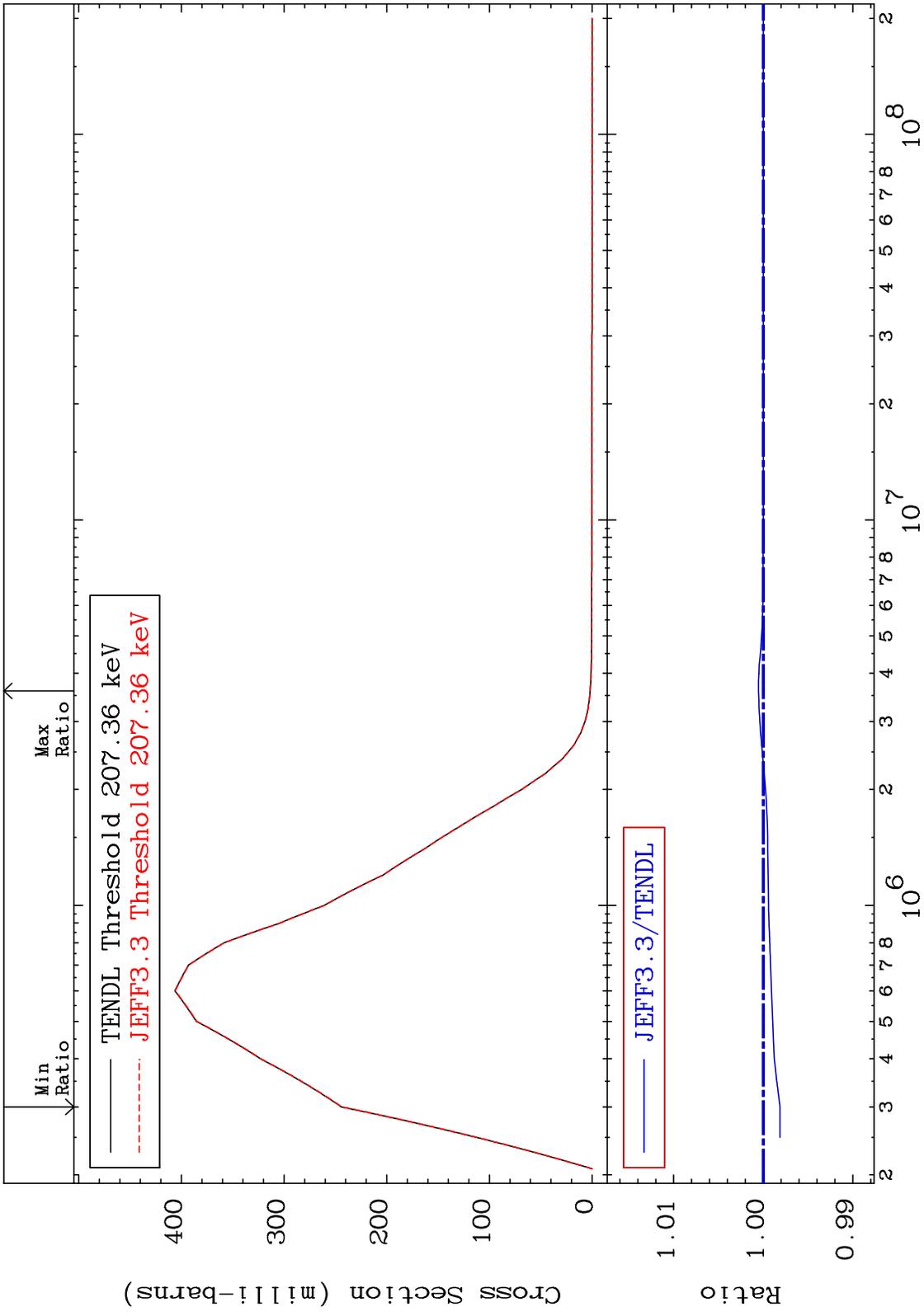
75-Re-187
-64.96 To 9999. %



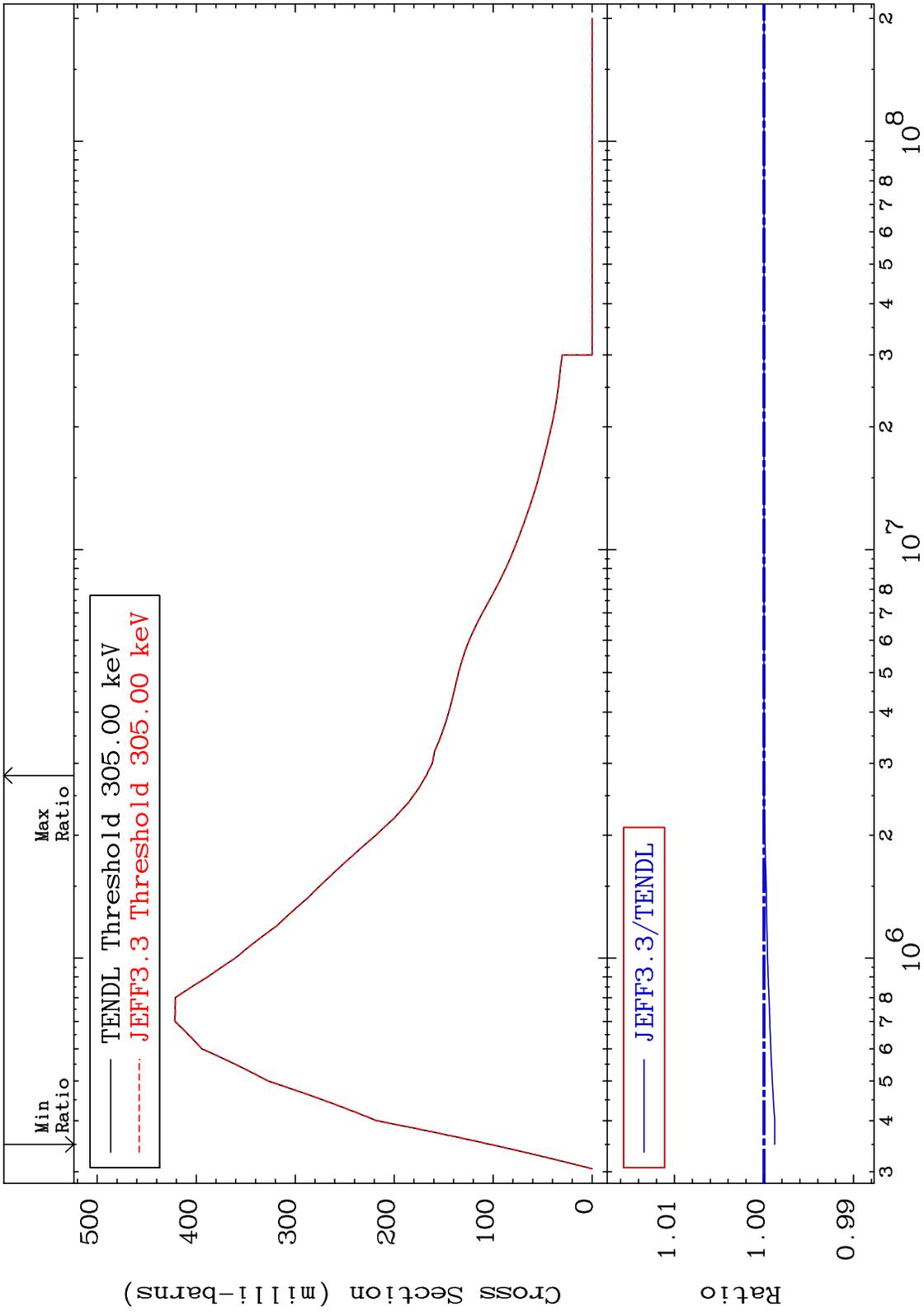
MAT 7531 MT= 51 (n,n') Level Cross Section 75-Re-187
 -0.172 To 0.001 %



MAT 7531 MT= 52 (n,n') Level Cross Section 75-Re-187
 -0.187 To 0.052 %



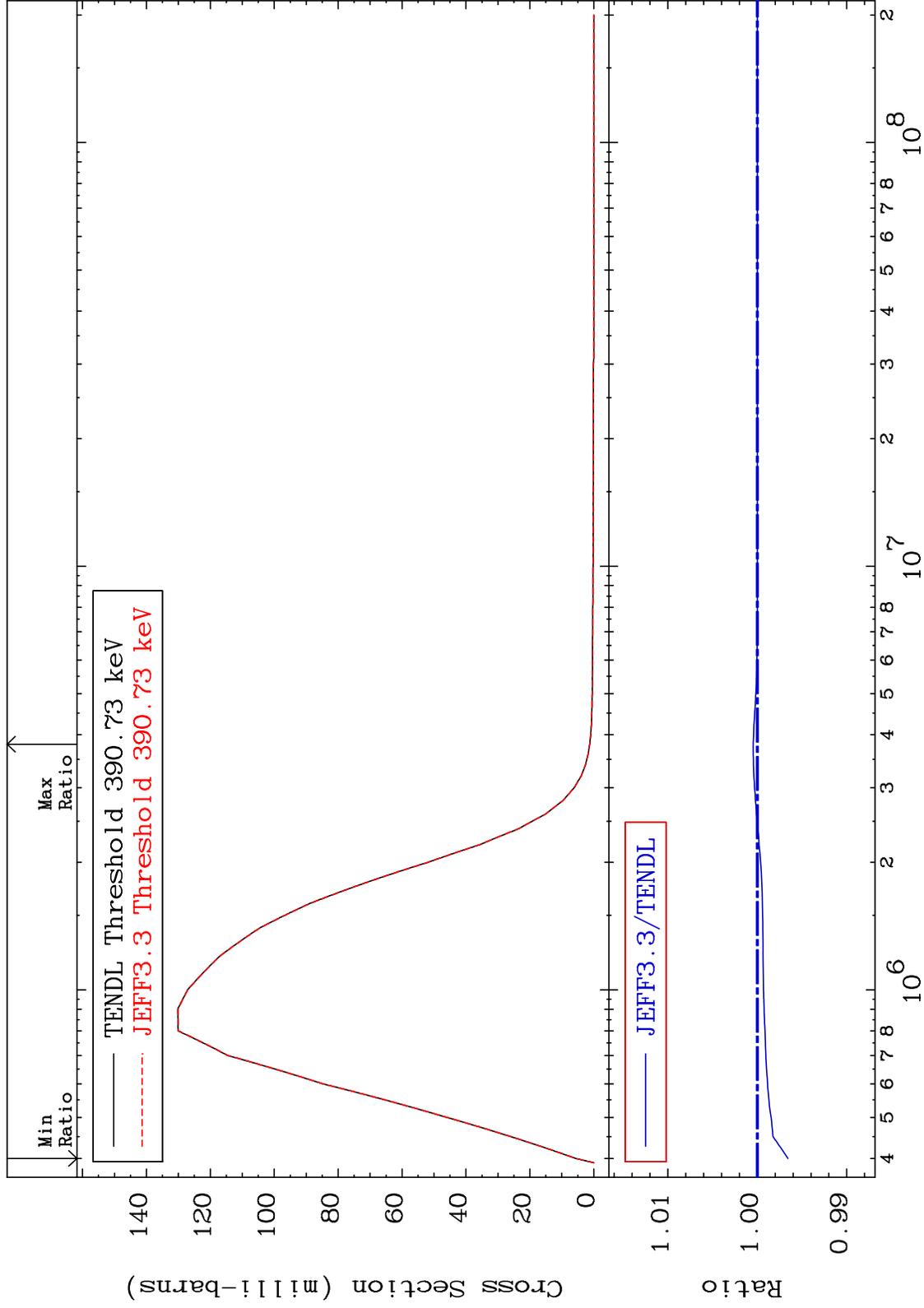
MAT 7531 MT= 53 (n,n') Level Cross Section 75-Re-187
 -0.120 To 0.002 %



MAT 7531

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

75-Re-187
-0.342 To 0.046 %

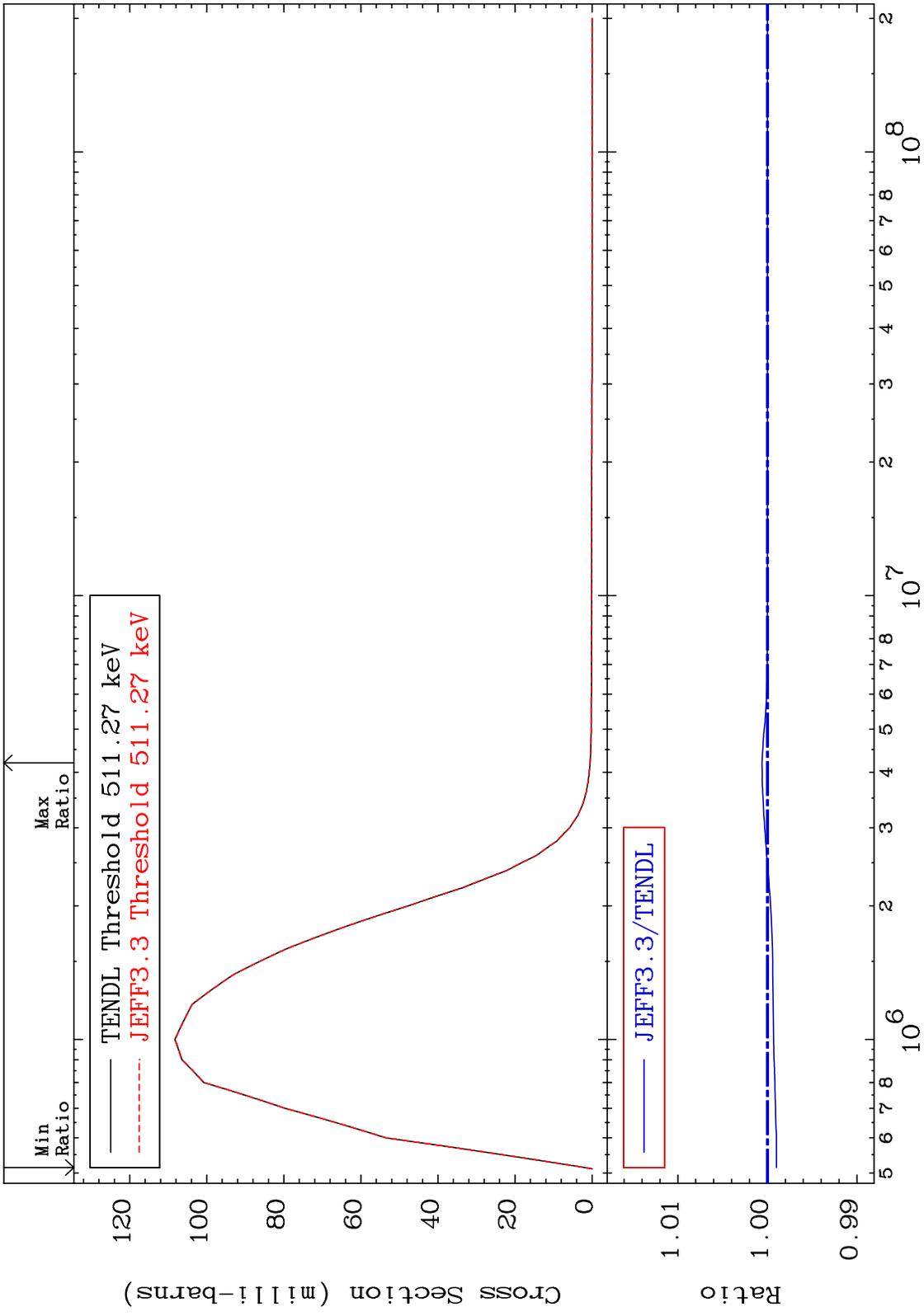


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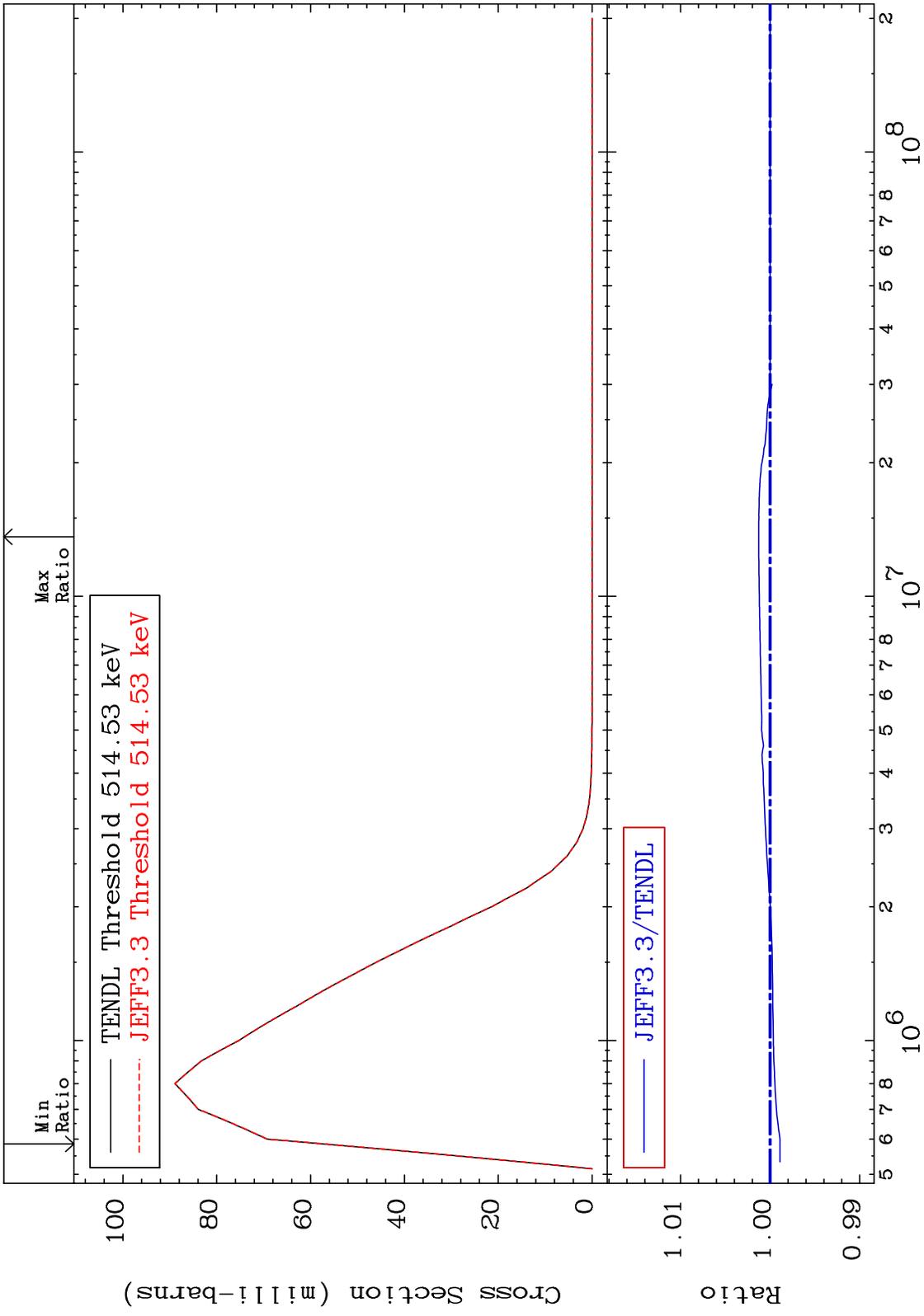
Incident Energy (eV)

75-Re-187

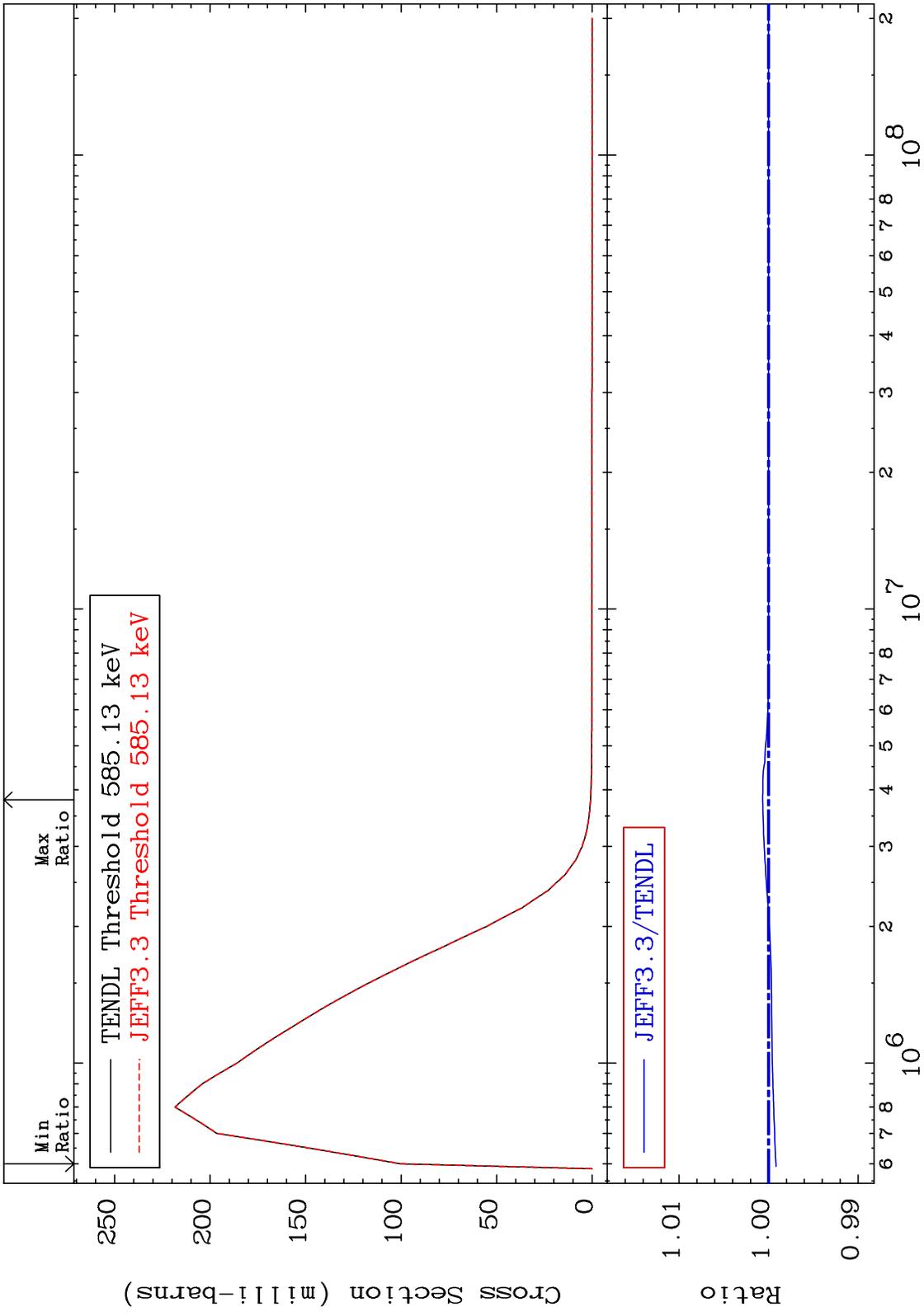
MAT 7531 MT= 55 (n,n') Level Cross Section 75-Re-187
 -0.102 To 0.060 %



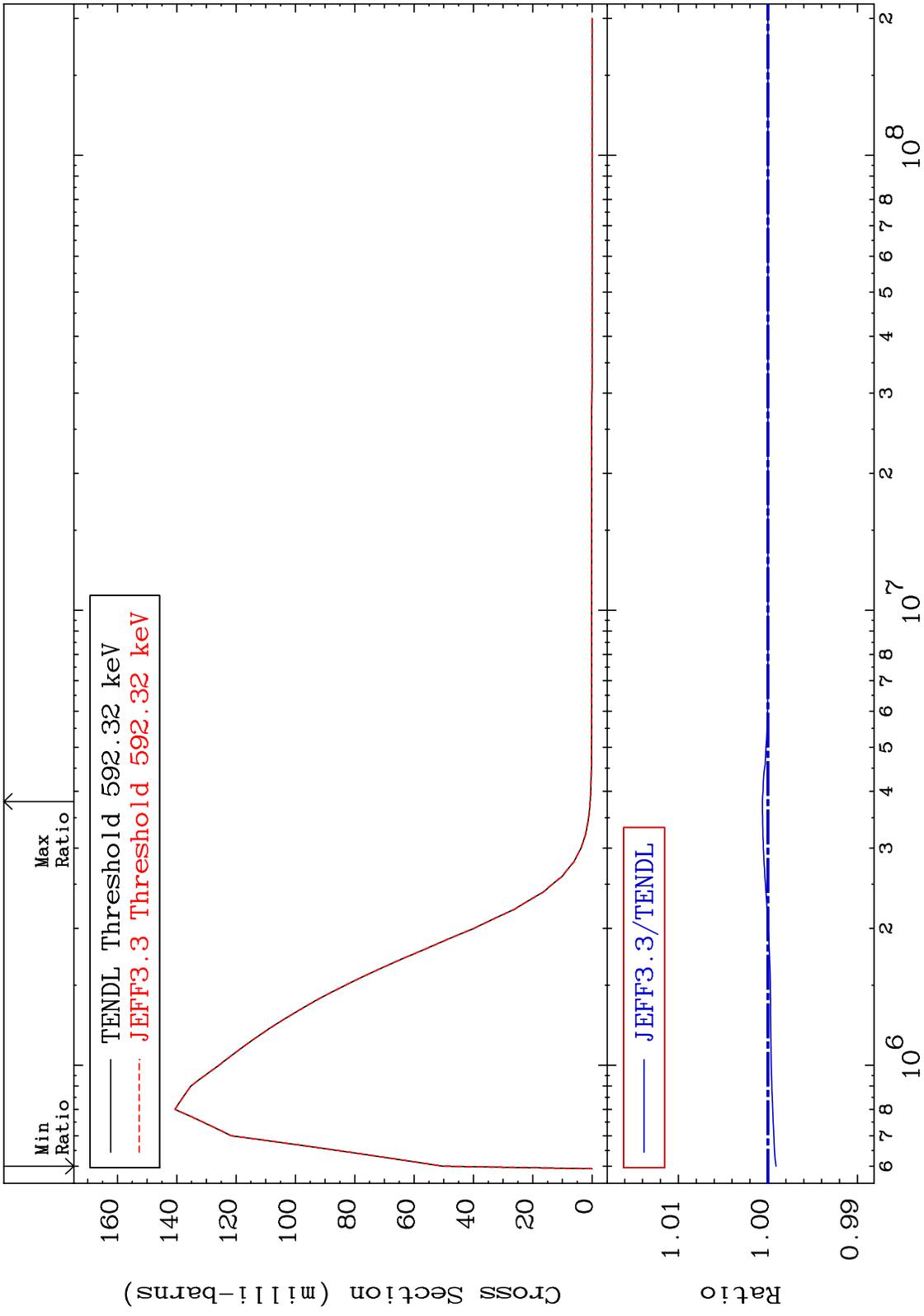
MAT 7531 MT= 56 (n,n') Level Cross Section 75-Re-187
 -0.109 To 0.129 %



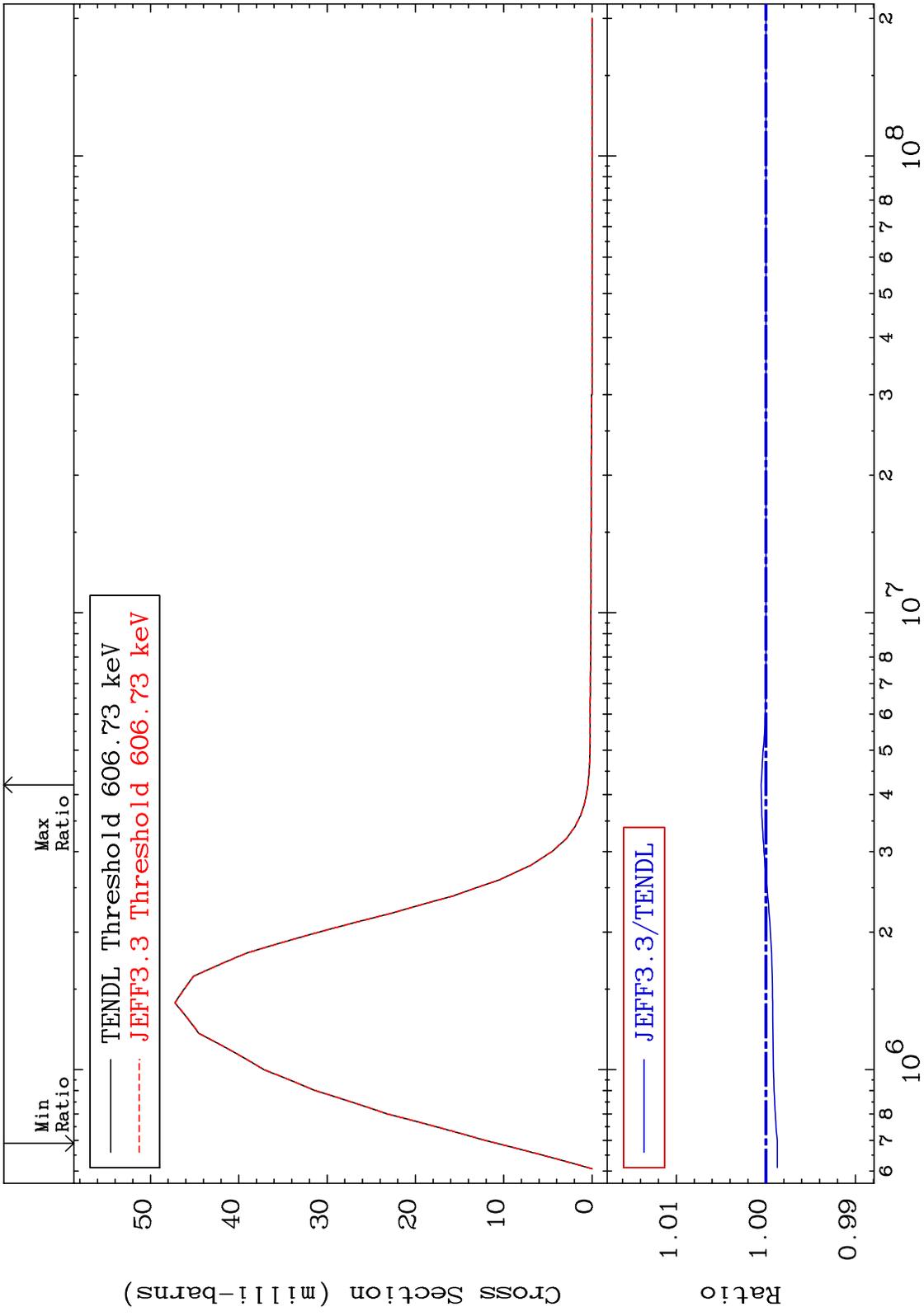
MAT 7531 MT= 57 (n,n') Level Cross Section 75-Re-187 -0.083 To 0.066 %



MAT 7531 MT= 58 (n,n') Level Cross Section 75-Re-187
 -0.091 To 0.061 %



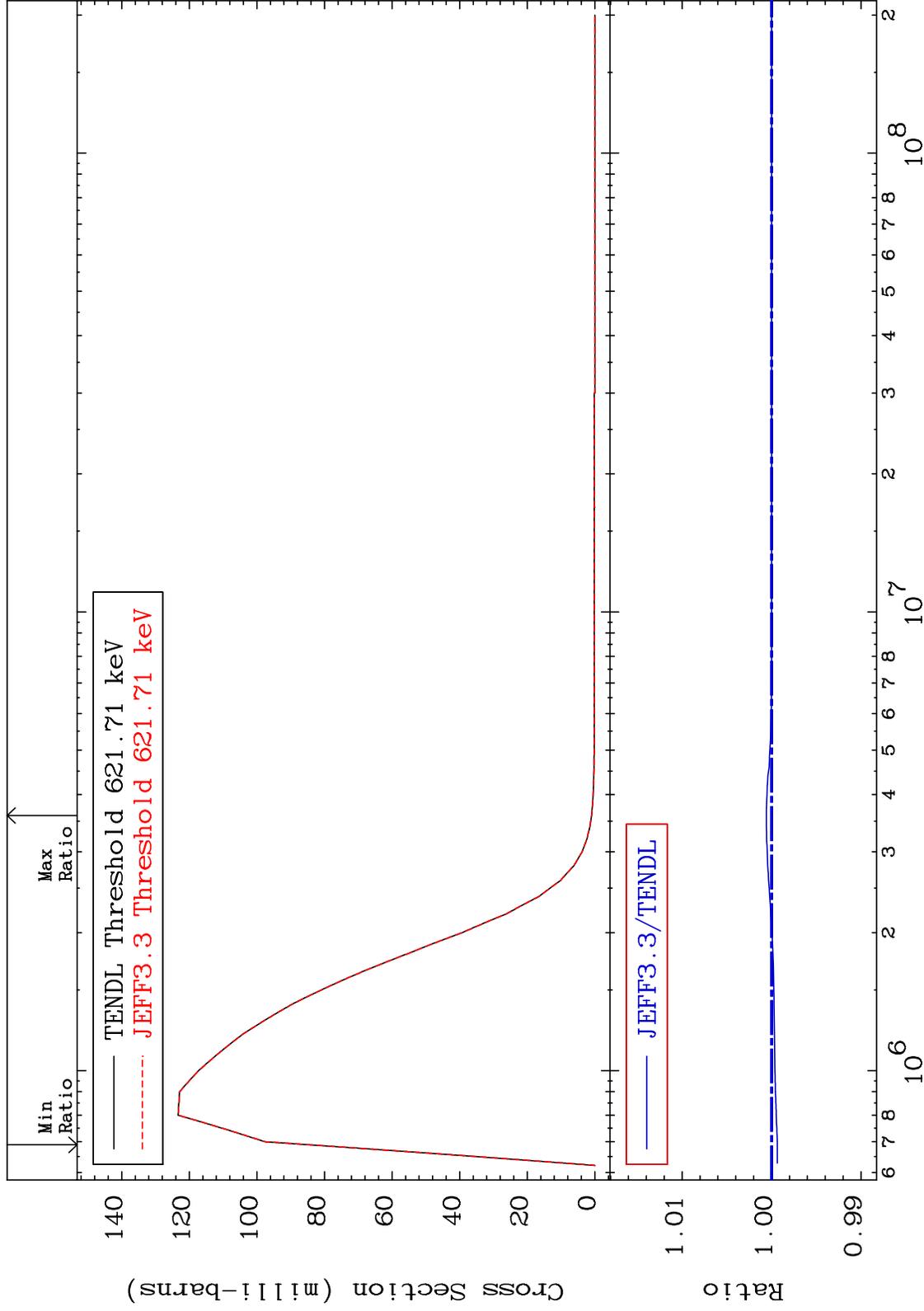
MAT 7531 MT= 59 (n,n') Level Cross Section 75-Re-187 -0.128 To 0.052 %



MAT 7531

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

75-Re-187
-0.064 To 0.057 %

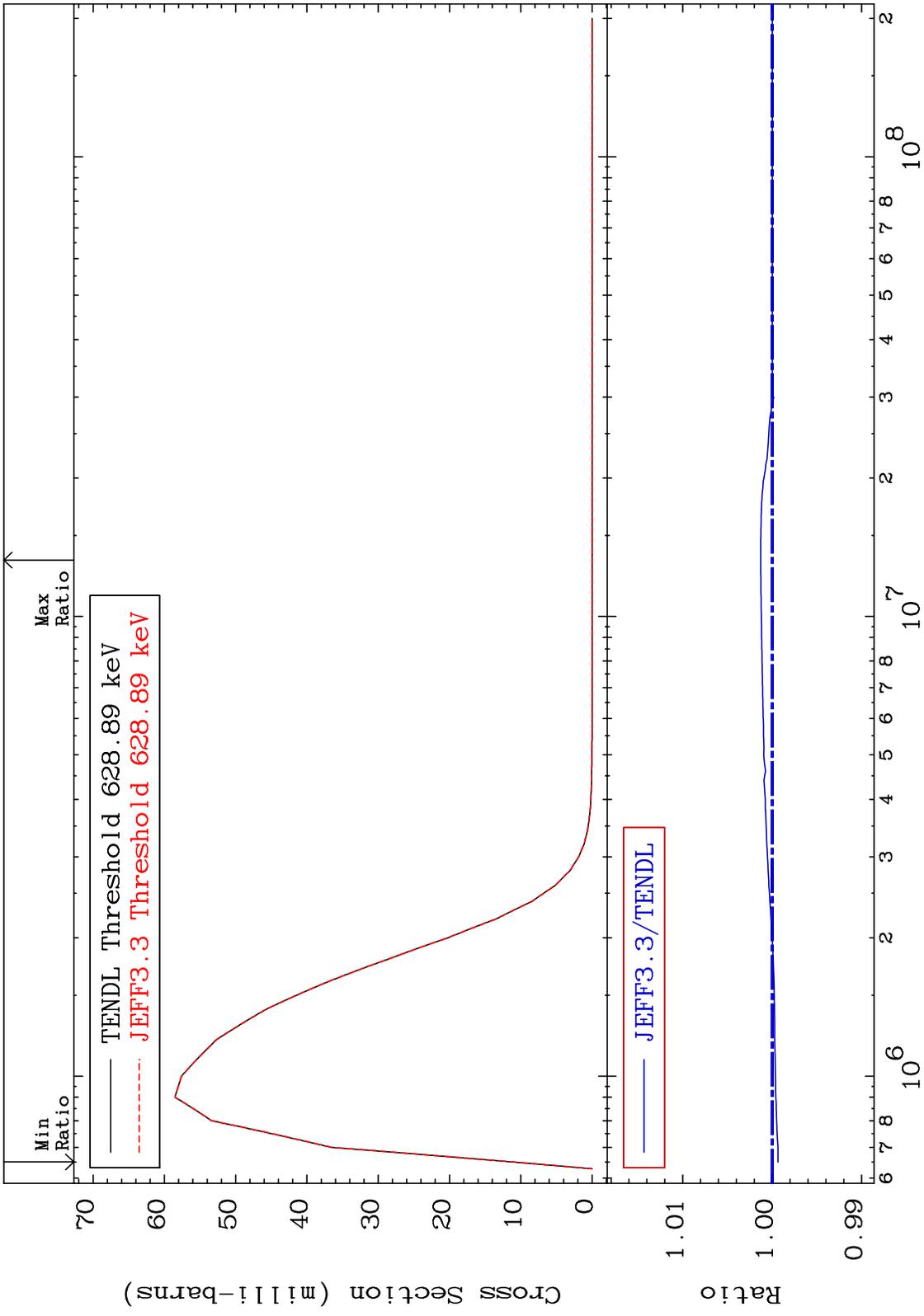


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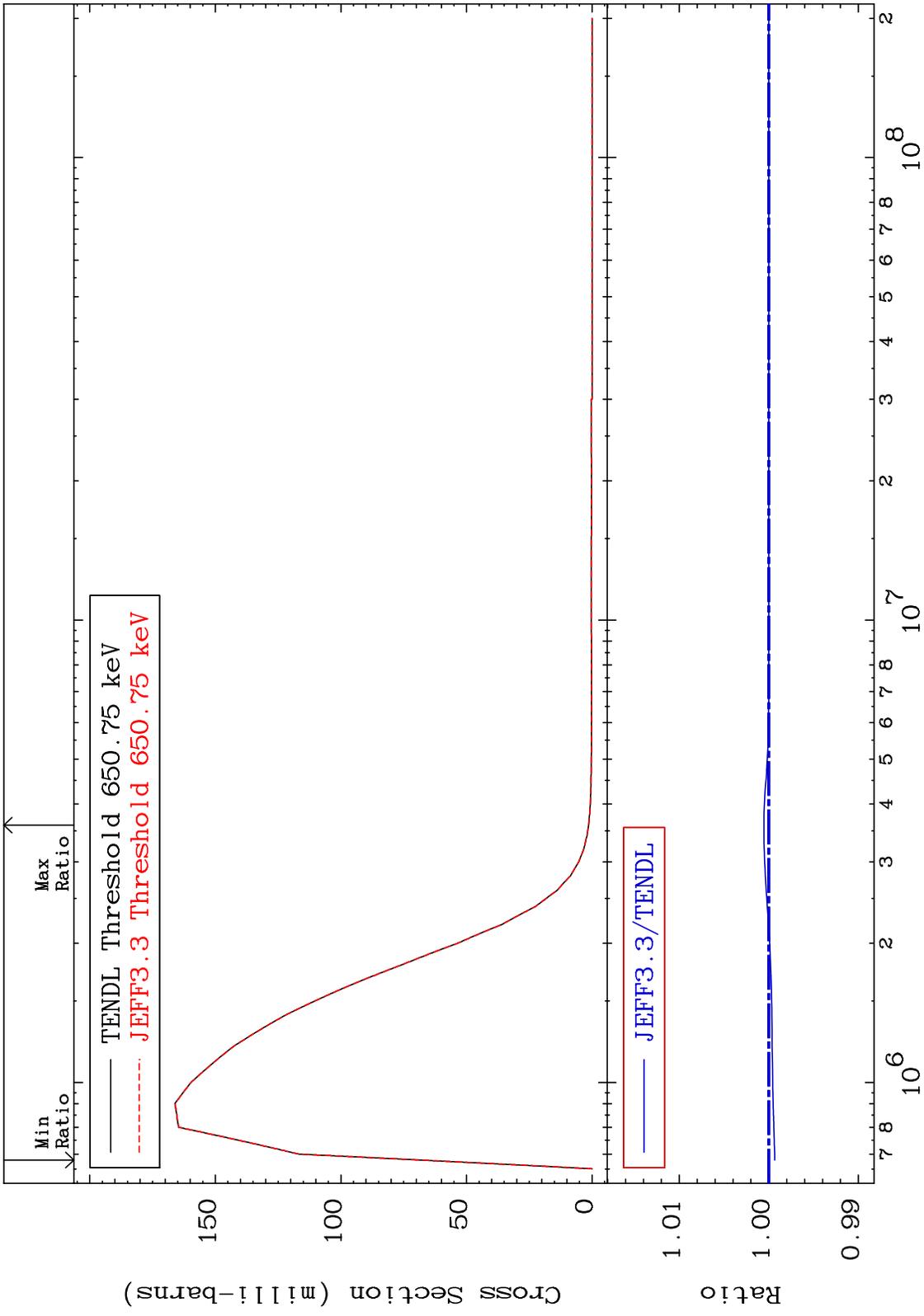
Incident Energy (eV)

75-Re-187

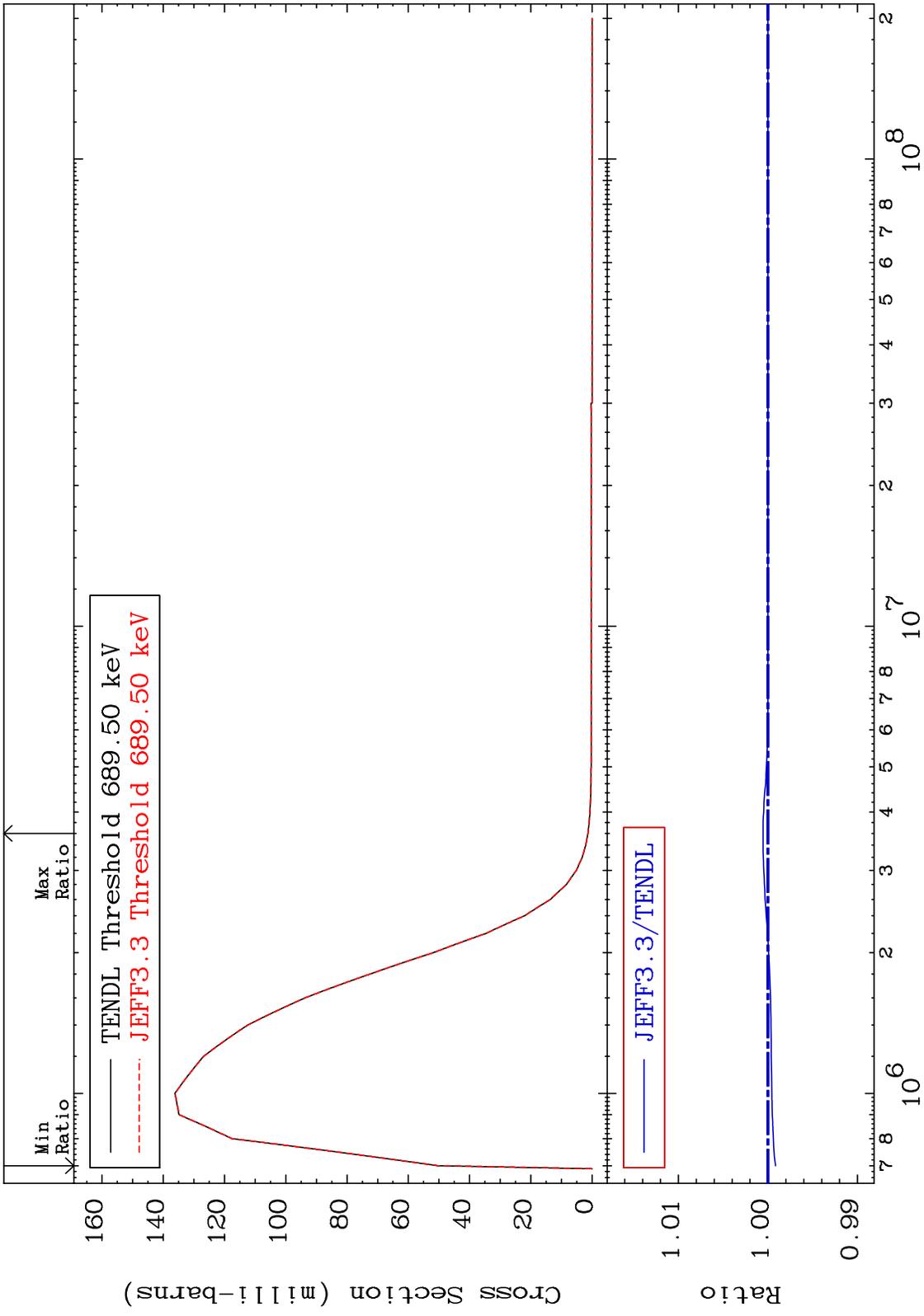
MAT 7531 MT= 61 (n,n') Level Cross Section 75-Re-187
 -0.064 To 0.129 %



MAT 7531 MT= 62 (n,n') Level Cross Section 75-Re-187
 -0.065 To 0.055 %



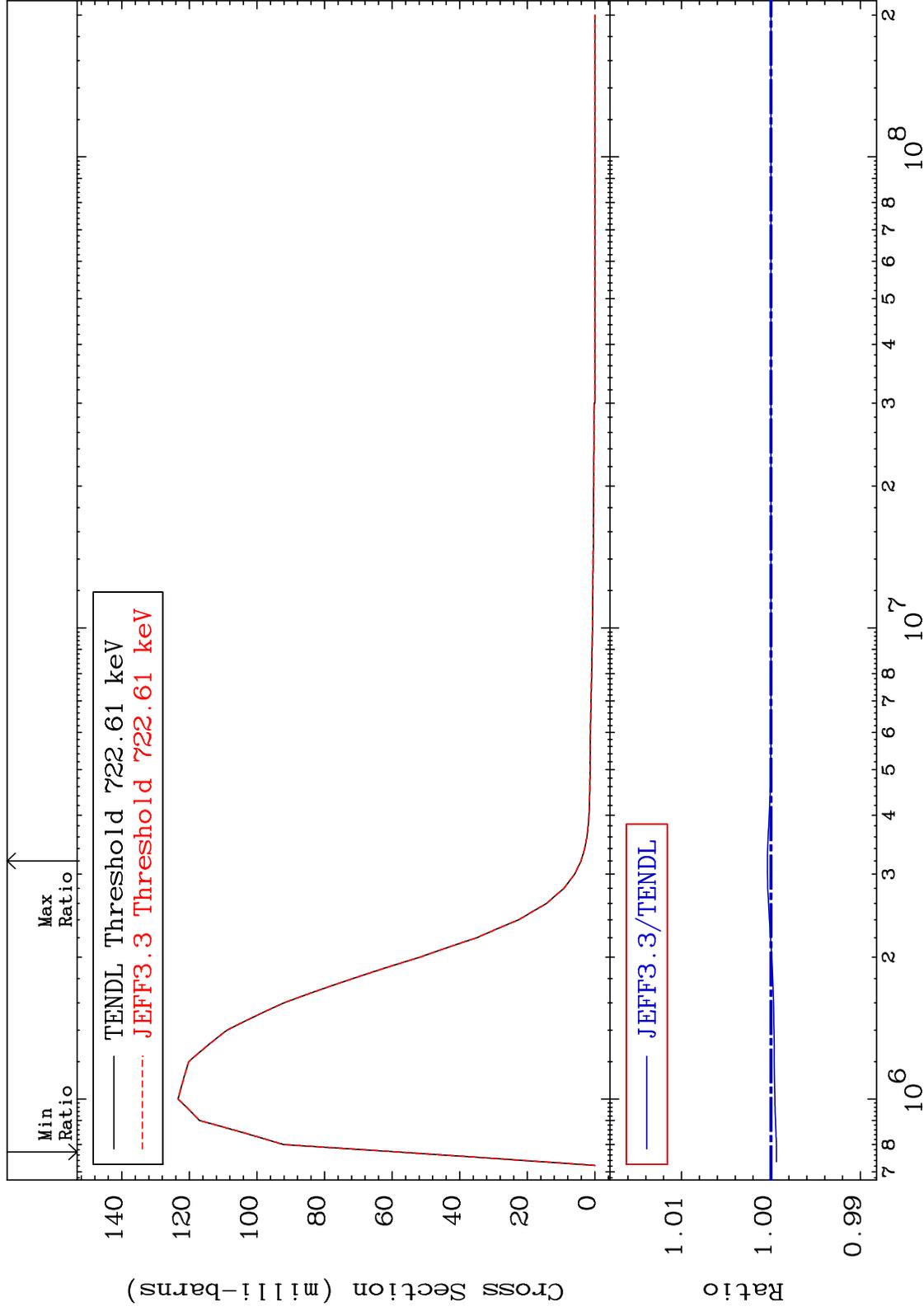
MAT 7531 MT= 63 (n,n') Level Cross Section 75-Re-187 -0.085 To 0.055 %



MAT 7531

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

75-Re-187
-0.060 To 0.041 %

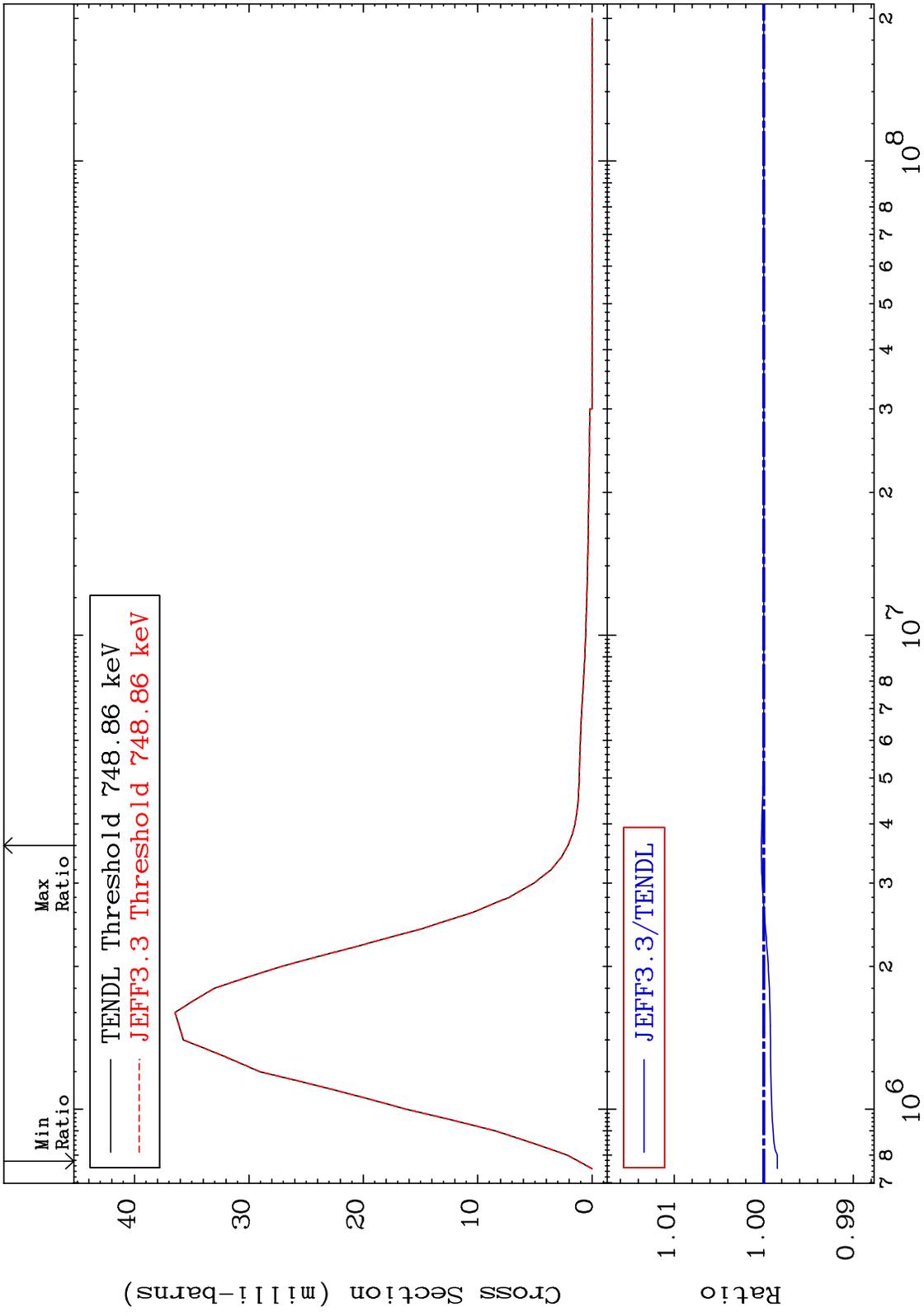


33

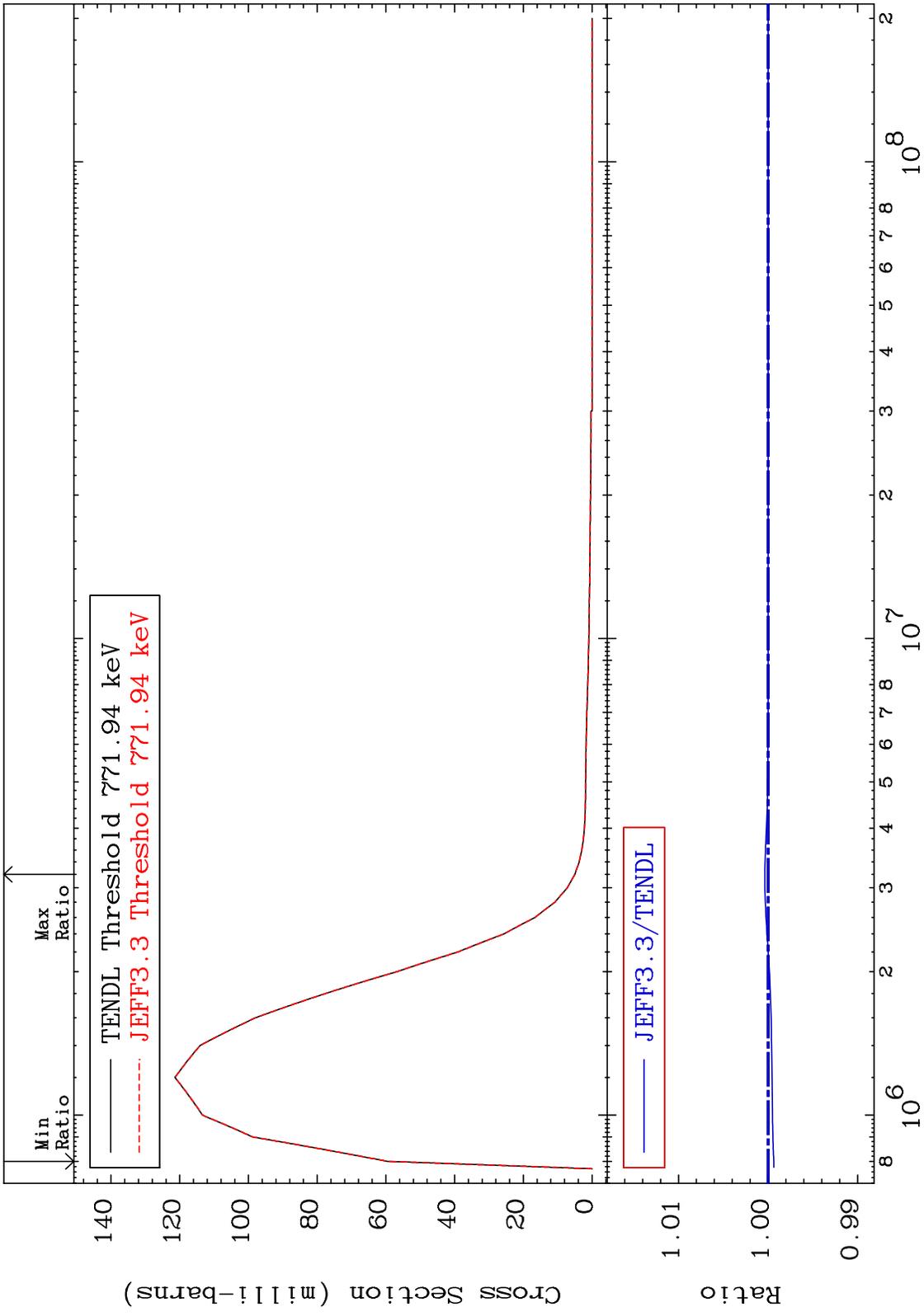
Incident Energy (eV)

75-Re-187

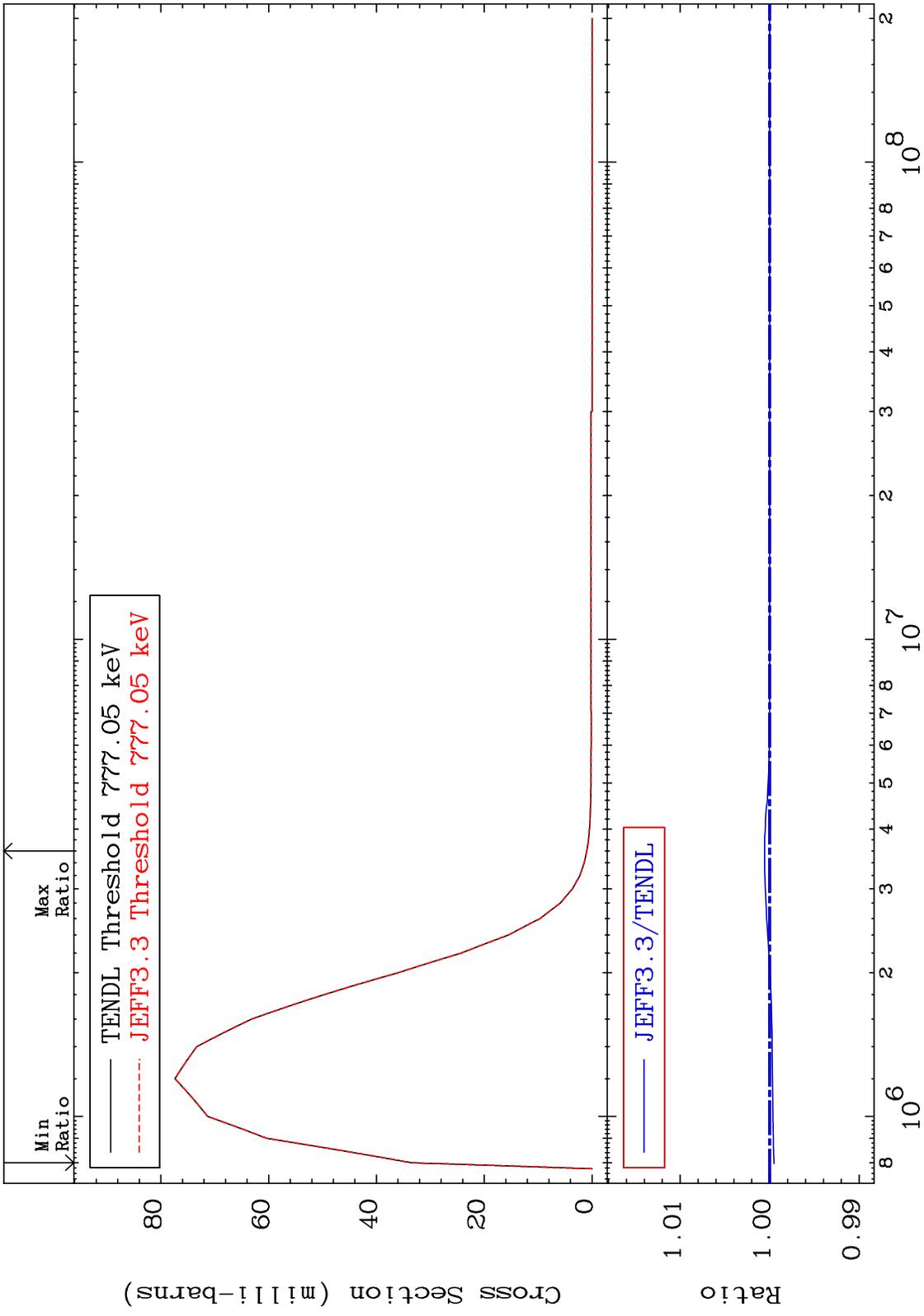
MAT 7531 MT= 65 (n,n') Level Cross Section 75-Re-187 -0.151 To 0.028 %



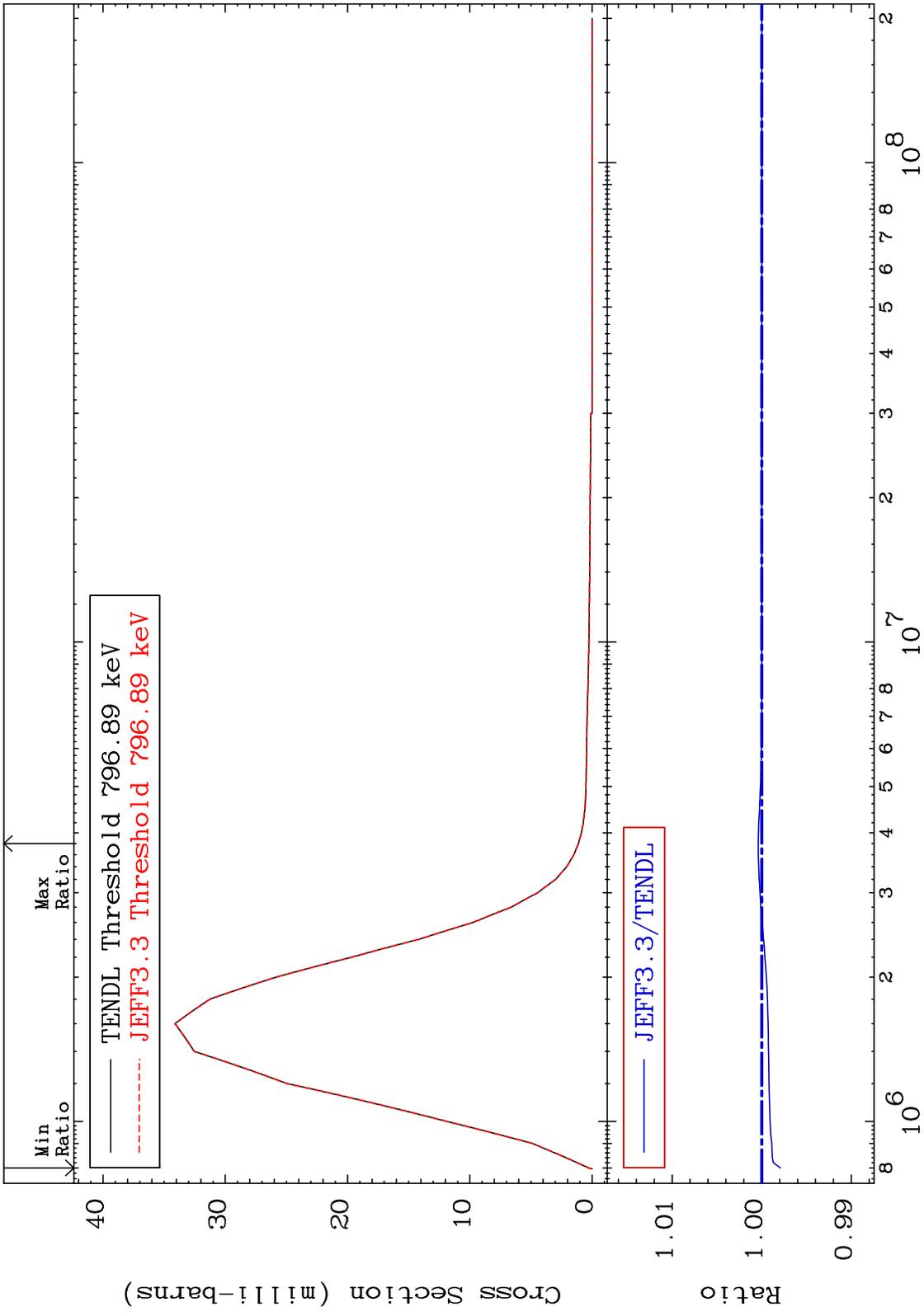
MAT 7531 MT= 66 (n,n') Level Cross Section 75-Re-187 -0.064 To 0.037 %



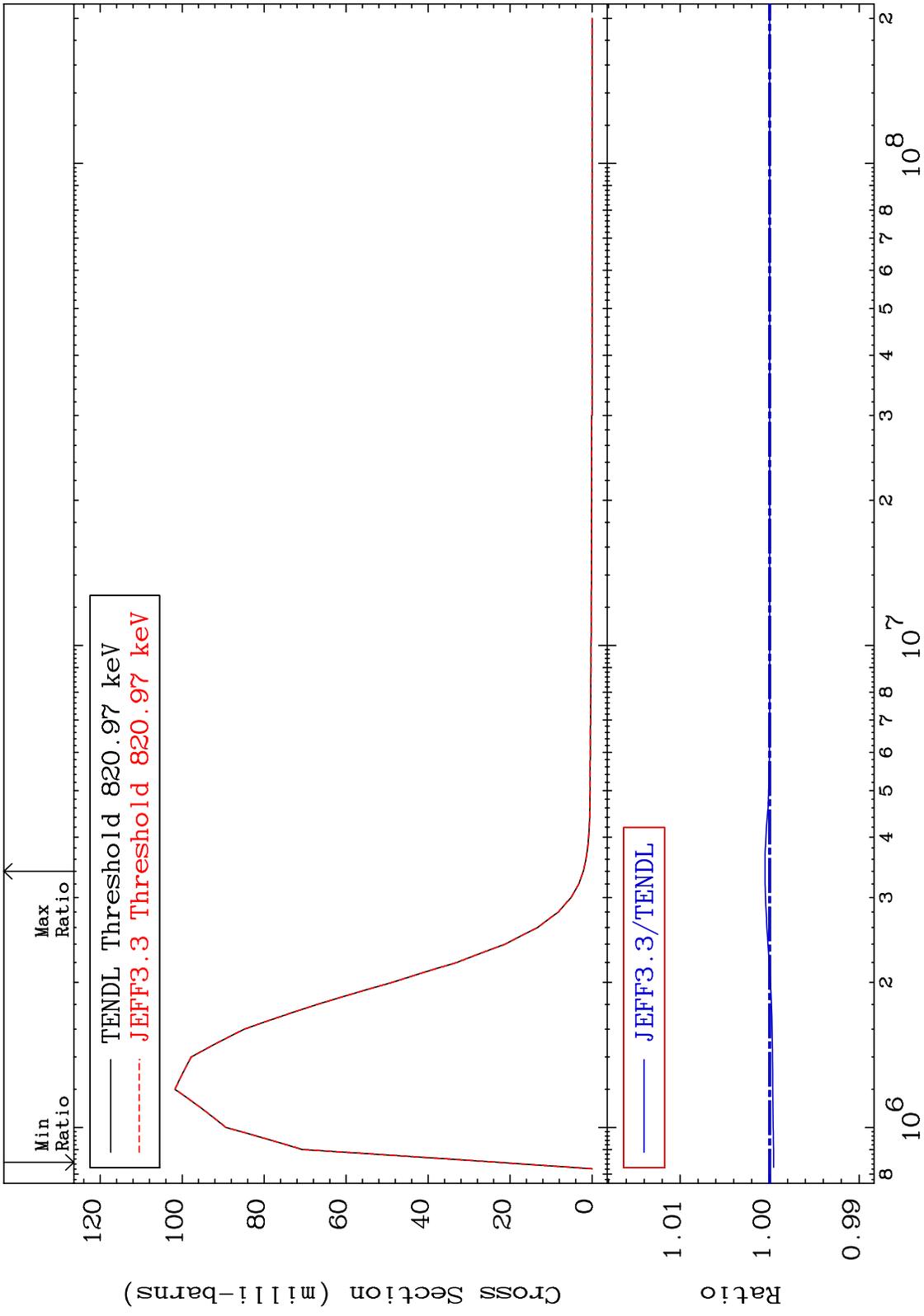
MAT 7531 MT= 67 (n,n') Level Cross Section 75-Re-187 -0.047 To 0.057 %



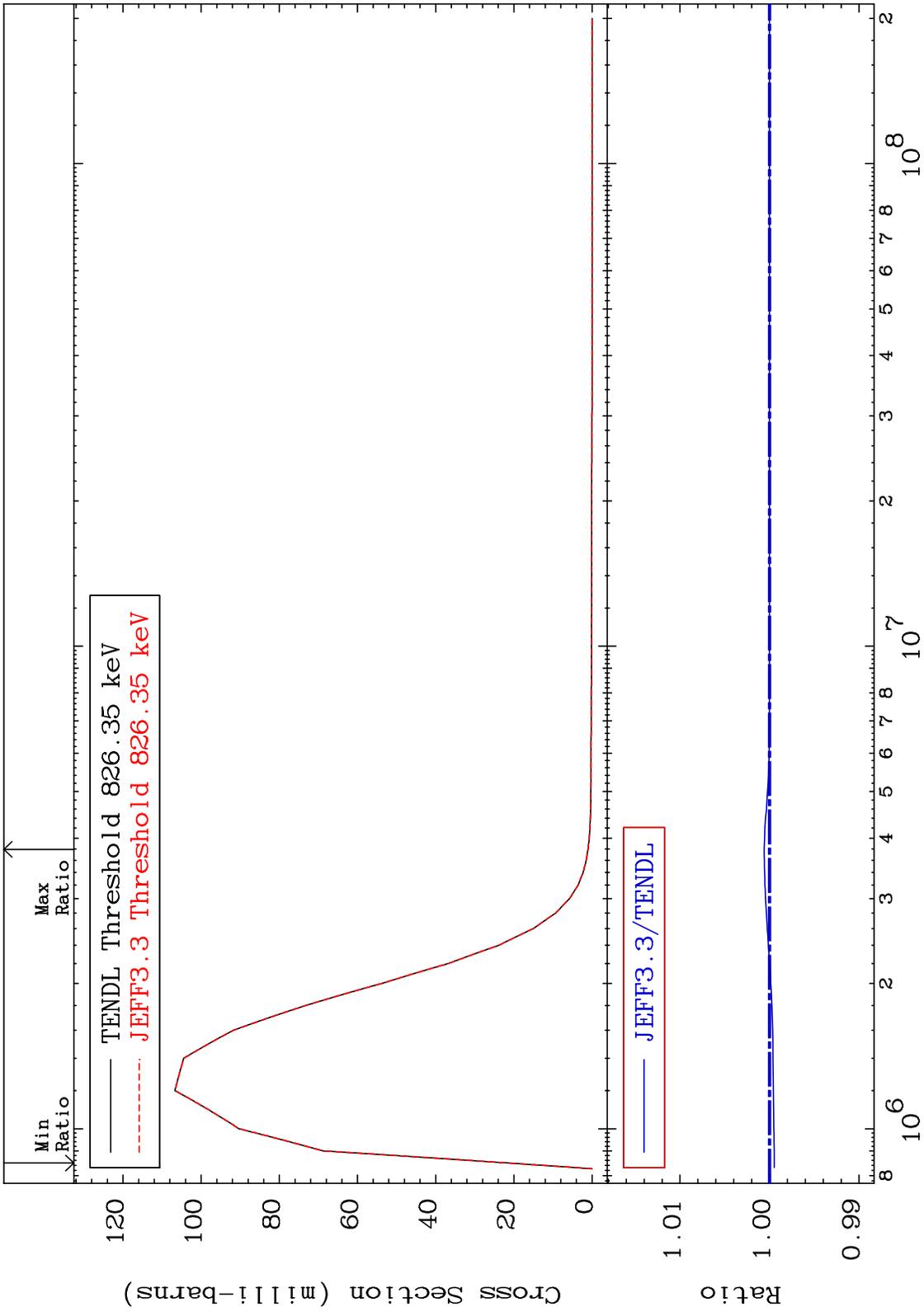
MAT 7531 MT= 68 (n,n') Level Cross Section 75-Re-187 -0.207 To 0.039 %



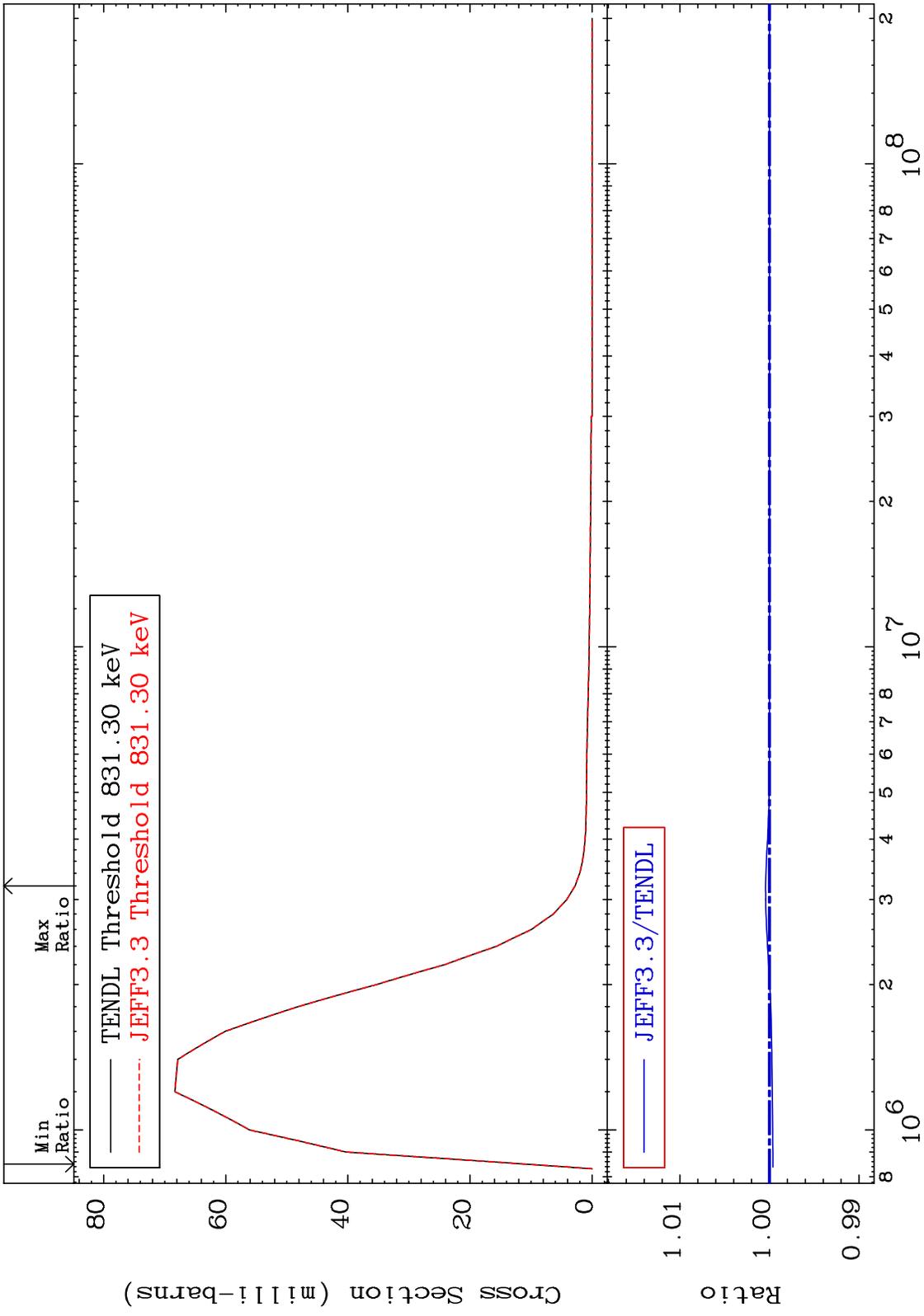
MAT 7531 MT= 69 (n,n') Level Cross Section 75-Re-187 -0.044 To 0.052 %



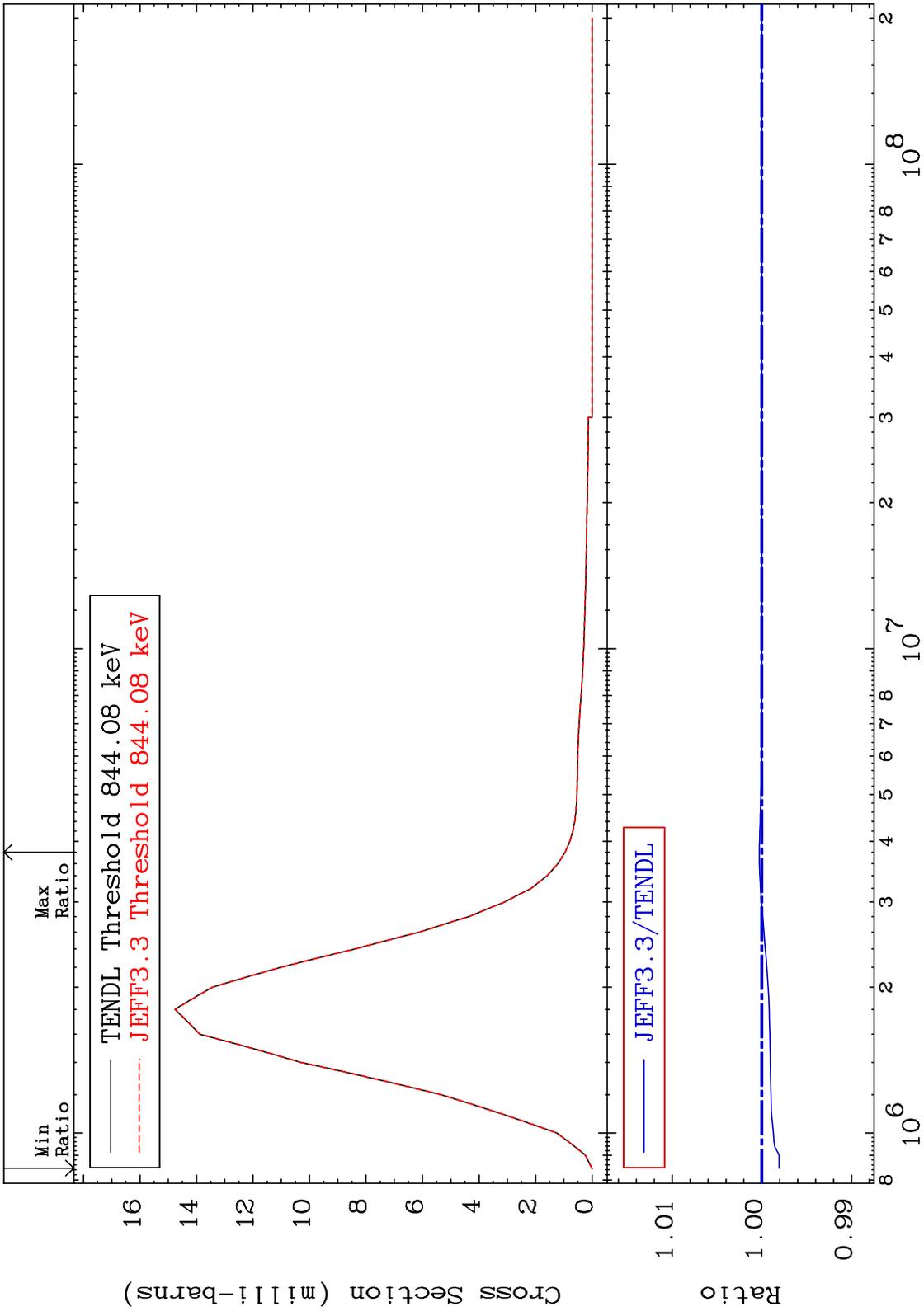
MAT 7531 MT= 70 (n,n') Level Cross Section 75-Re-187 -0.054 To 0.059 %



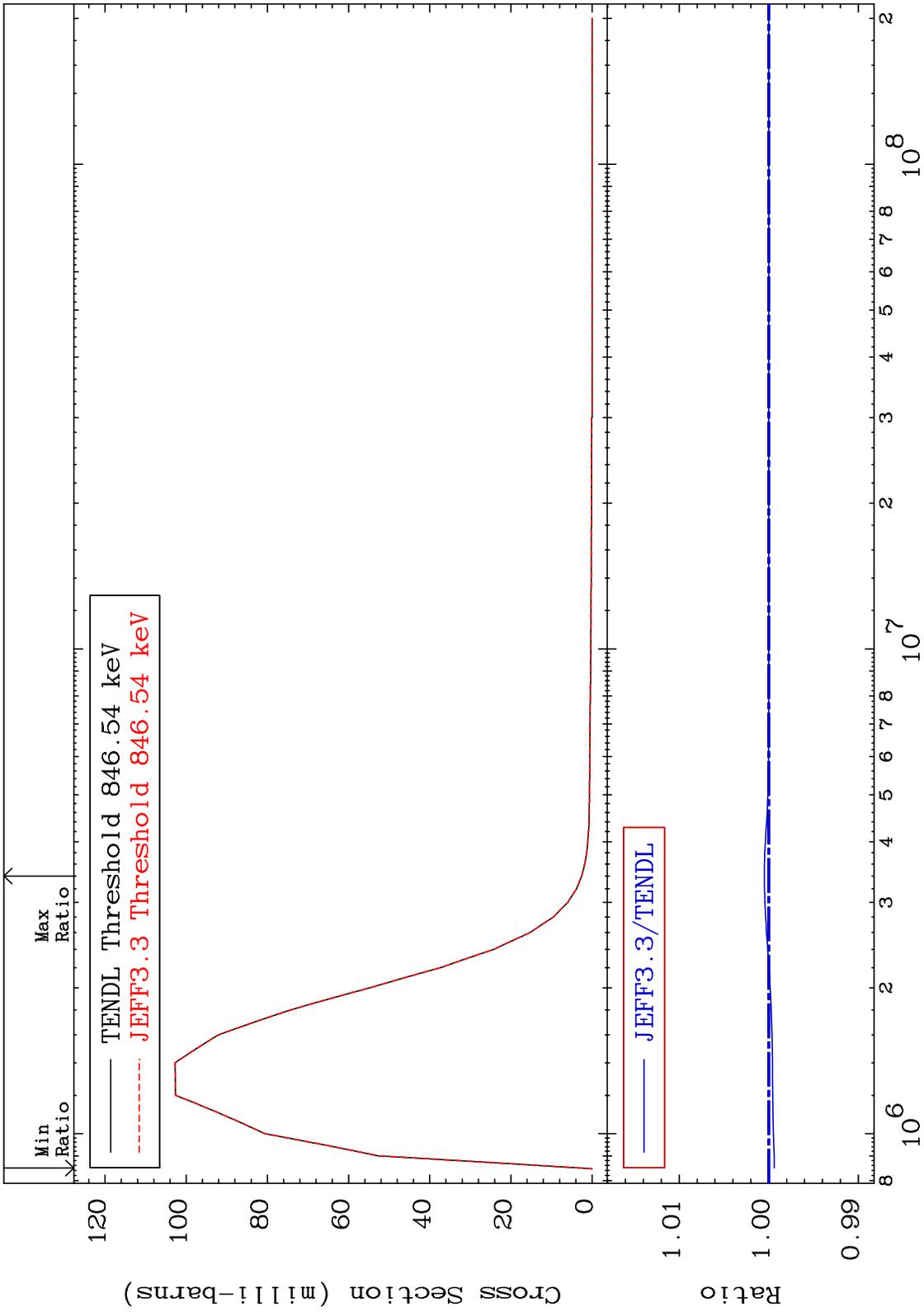
MAT 7531 MT= 71 (n,n') Level Cross Section 75-Re-187 -0.039 To 0.044 %



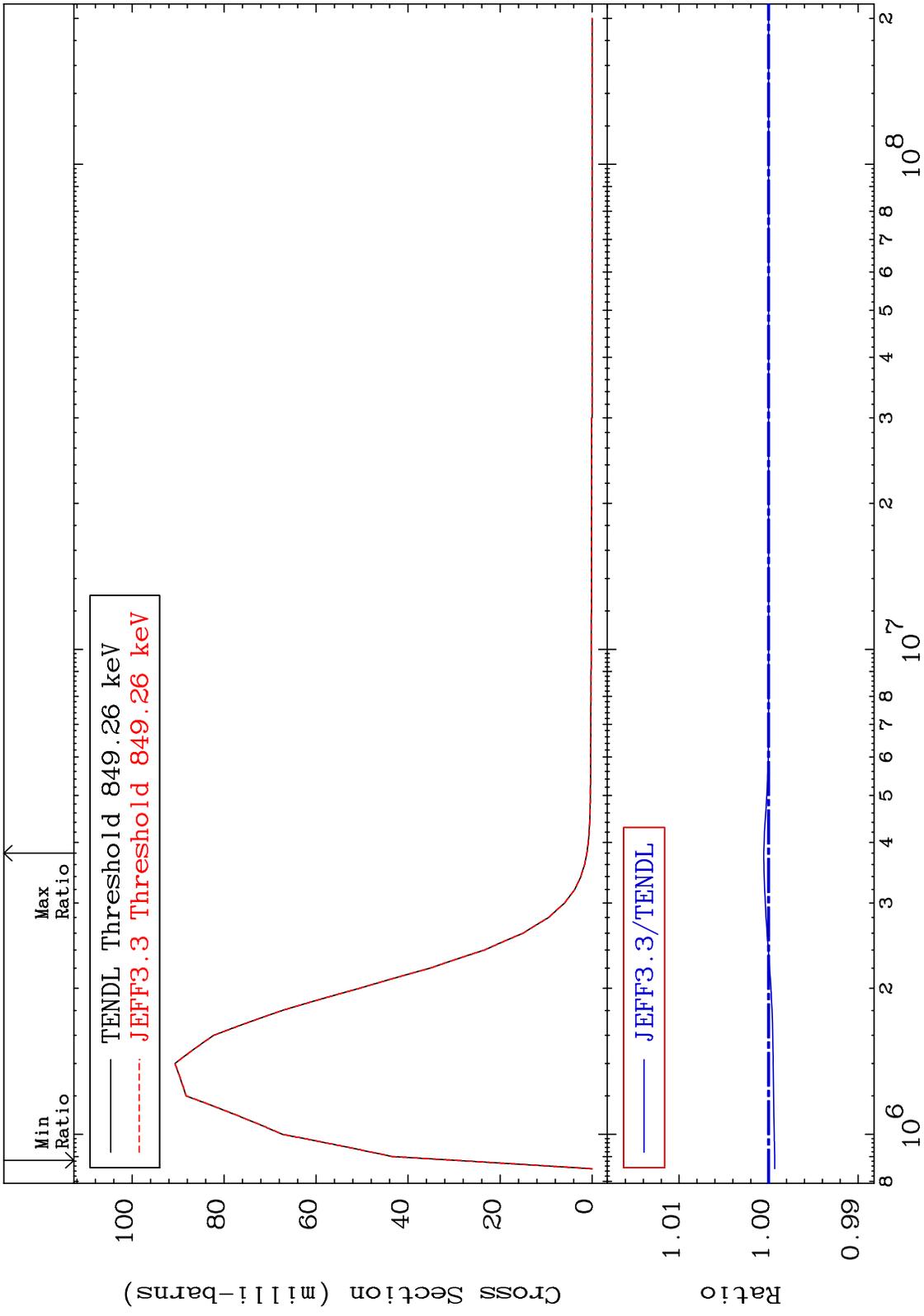
MAT 7531 MT= 72 (n,n') Level Cross Section 75-Re-187
-0.193 To 0.027 %



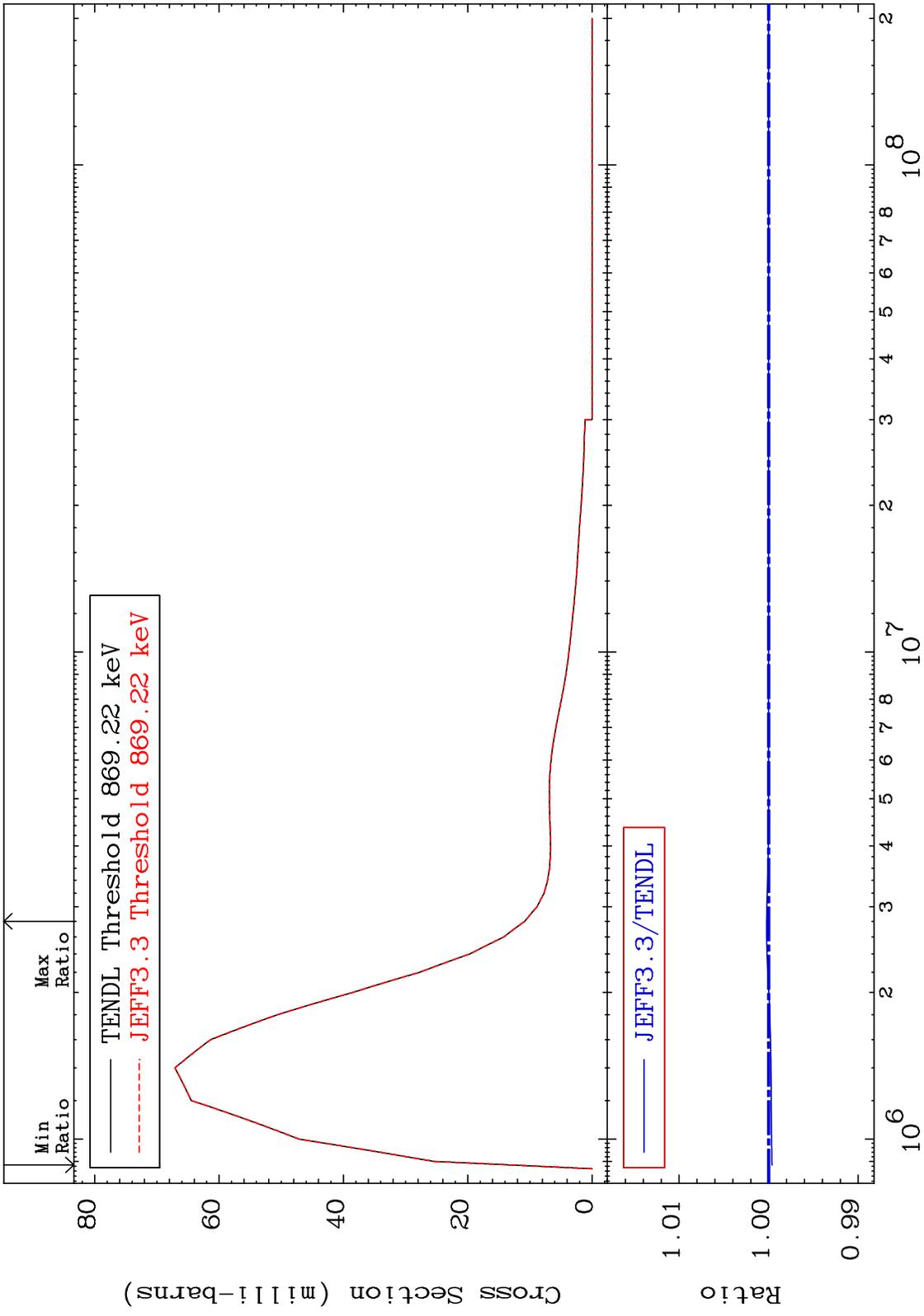
MAT 7531 MT= 73 (n,n') Level Cross Section 75-Re-187 -0.061 To 0.049 %



MAT 7531 MT= 74 (n,n') Level Cross Section 75-Re-187 -0.068 To 0.054 %



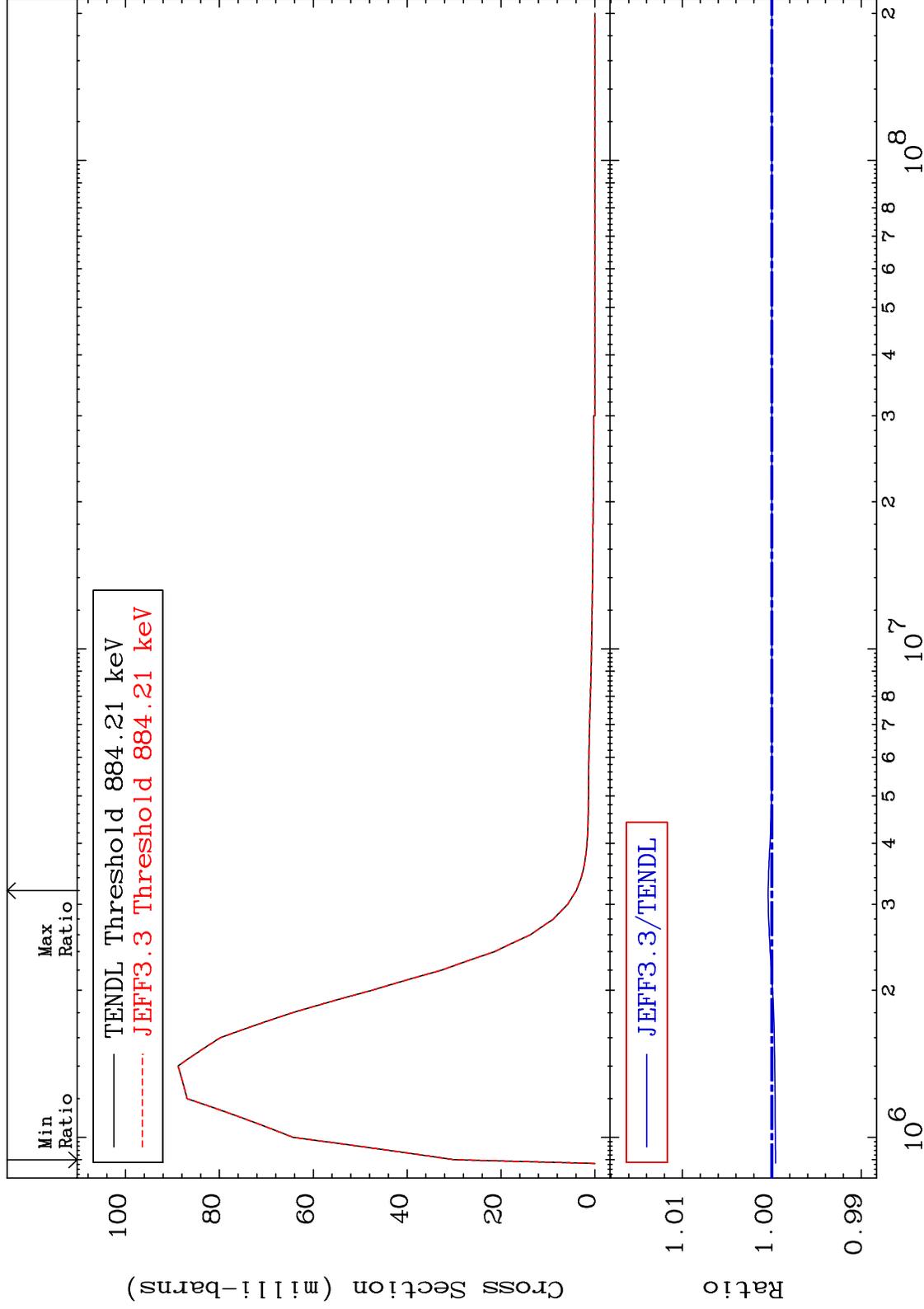
MAT 7531 MT= 75 (n,n') Level Cross Section 75-Re-187 -0.037 To 0.023 %



MAT 7531

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

75-Re-187
-0.042 To 0.041 %



45

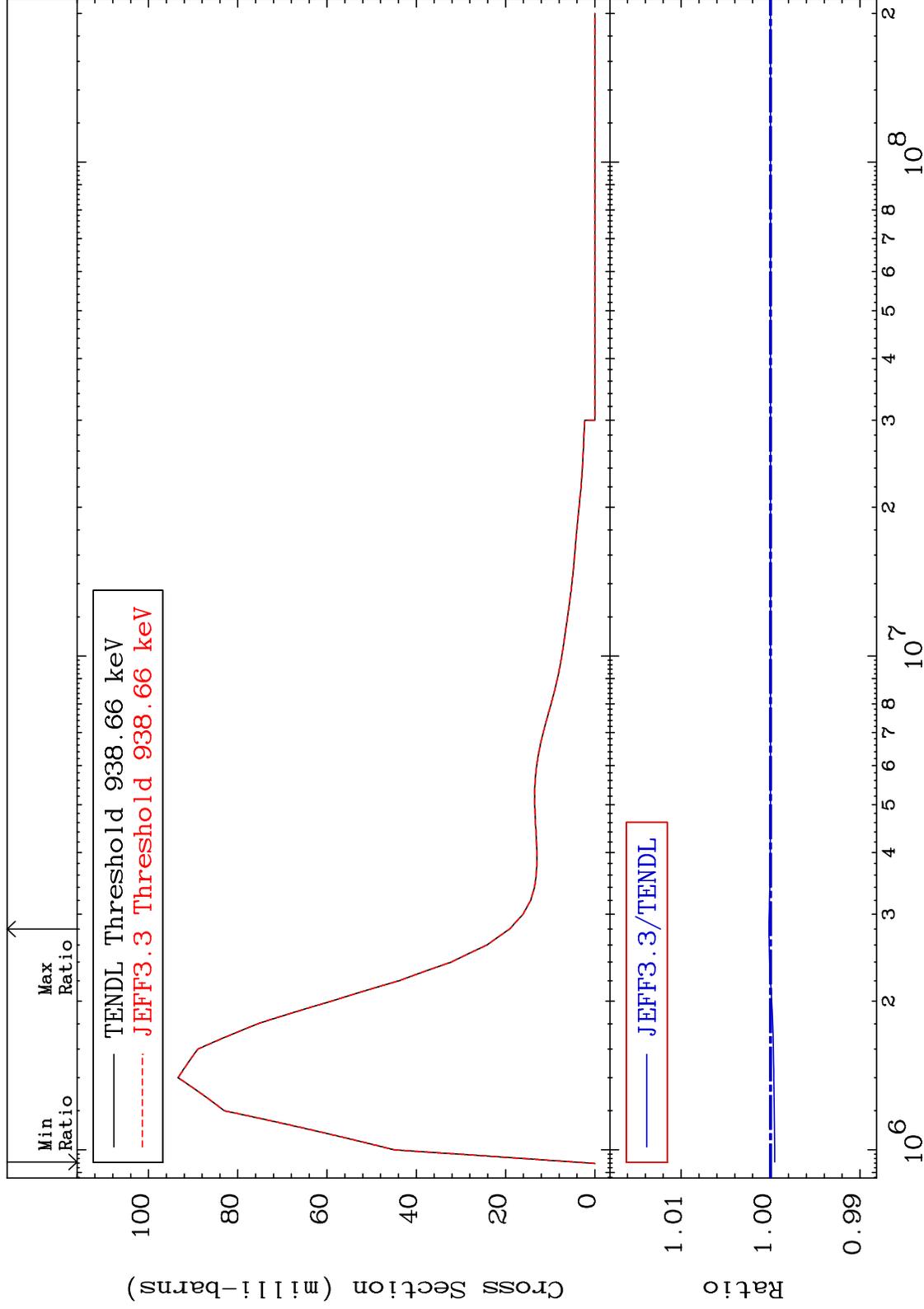
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-0.047 To 0.017 %

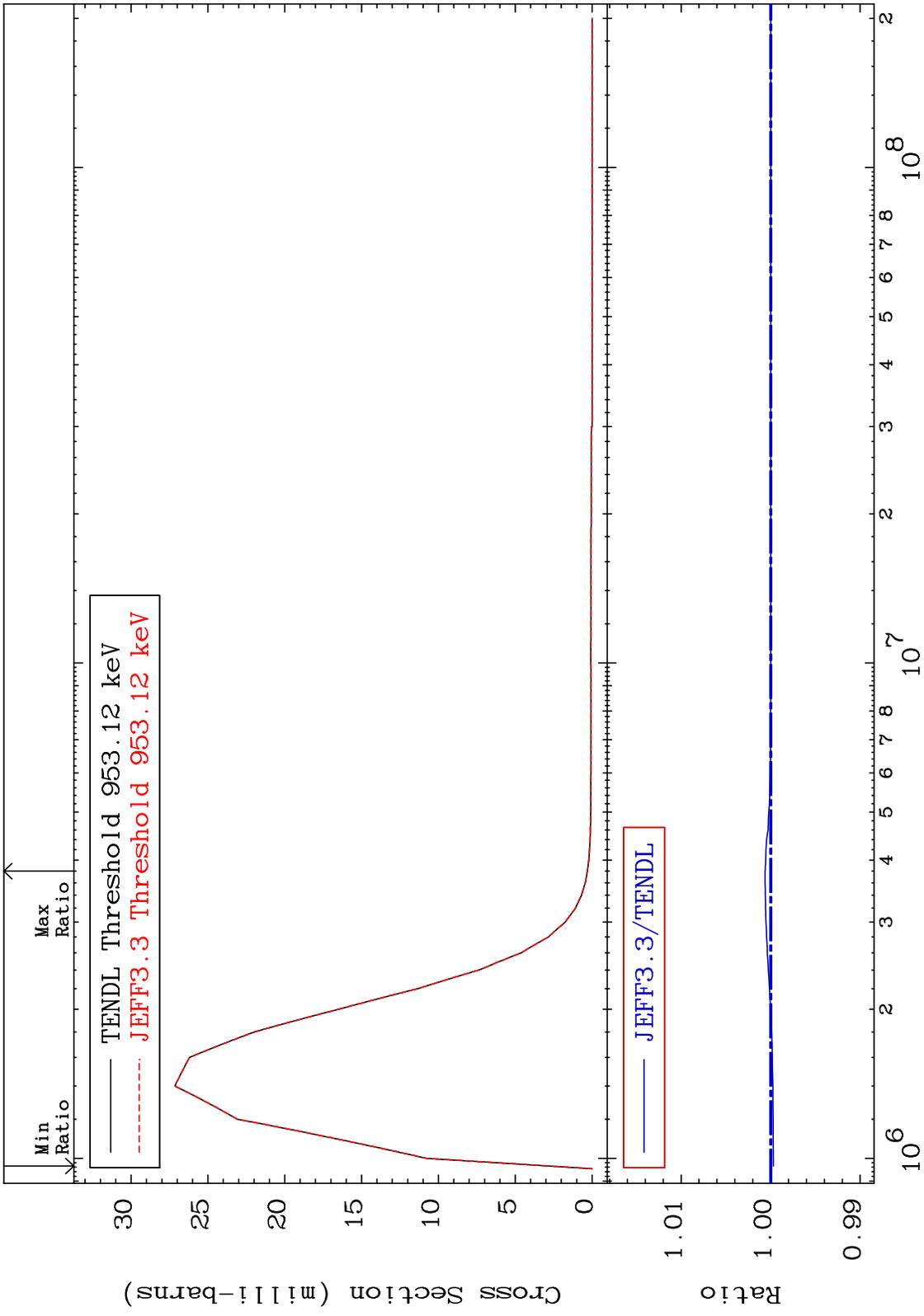


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Incident Energy (eV)

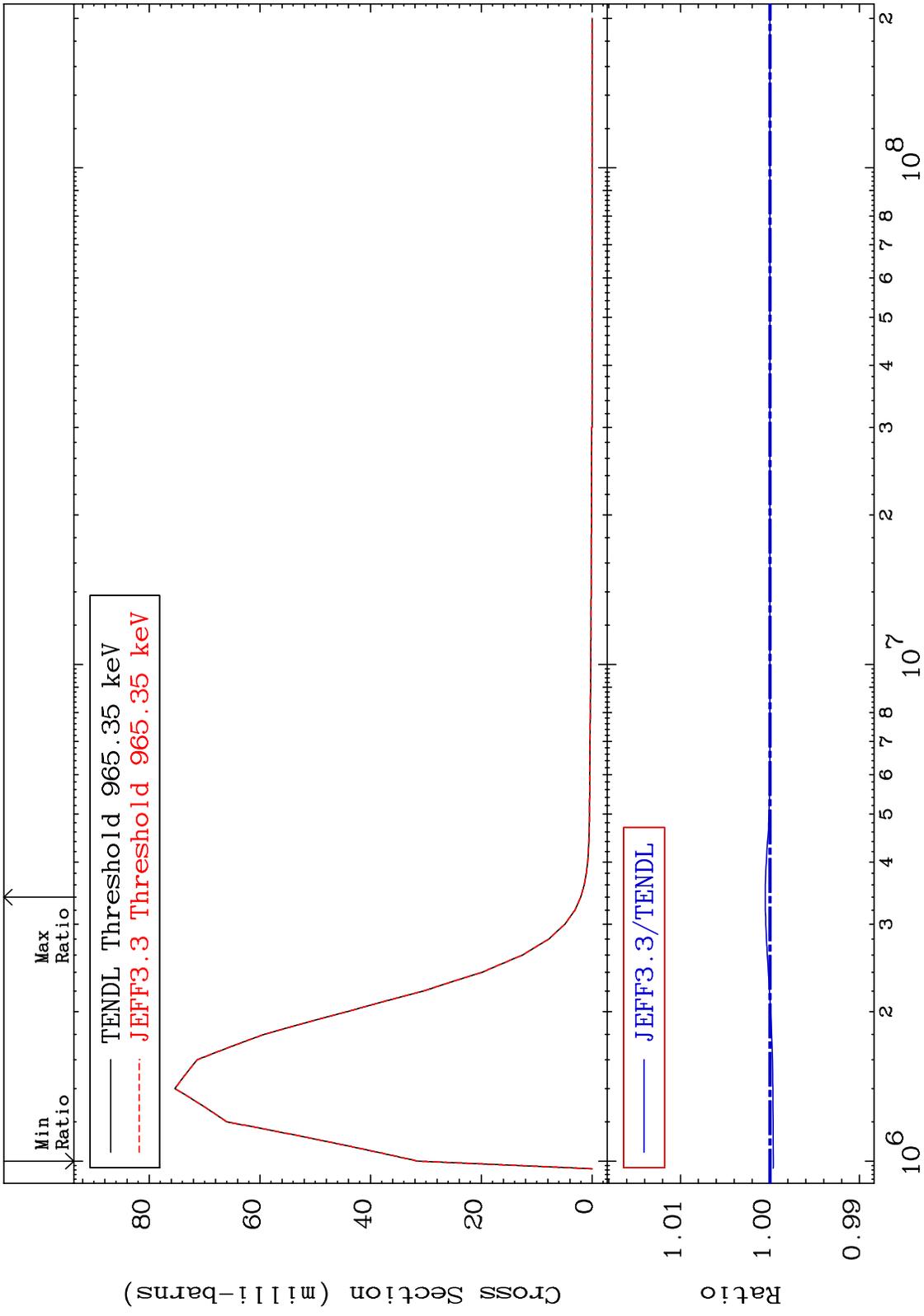
75-Re-187

MAT 7531 MT= 78 (n,n') Level Cross Section 75-Re-187 -0.031 To 0.062 %



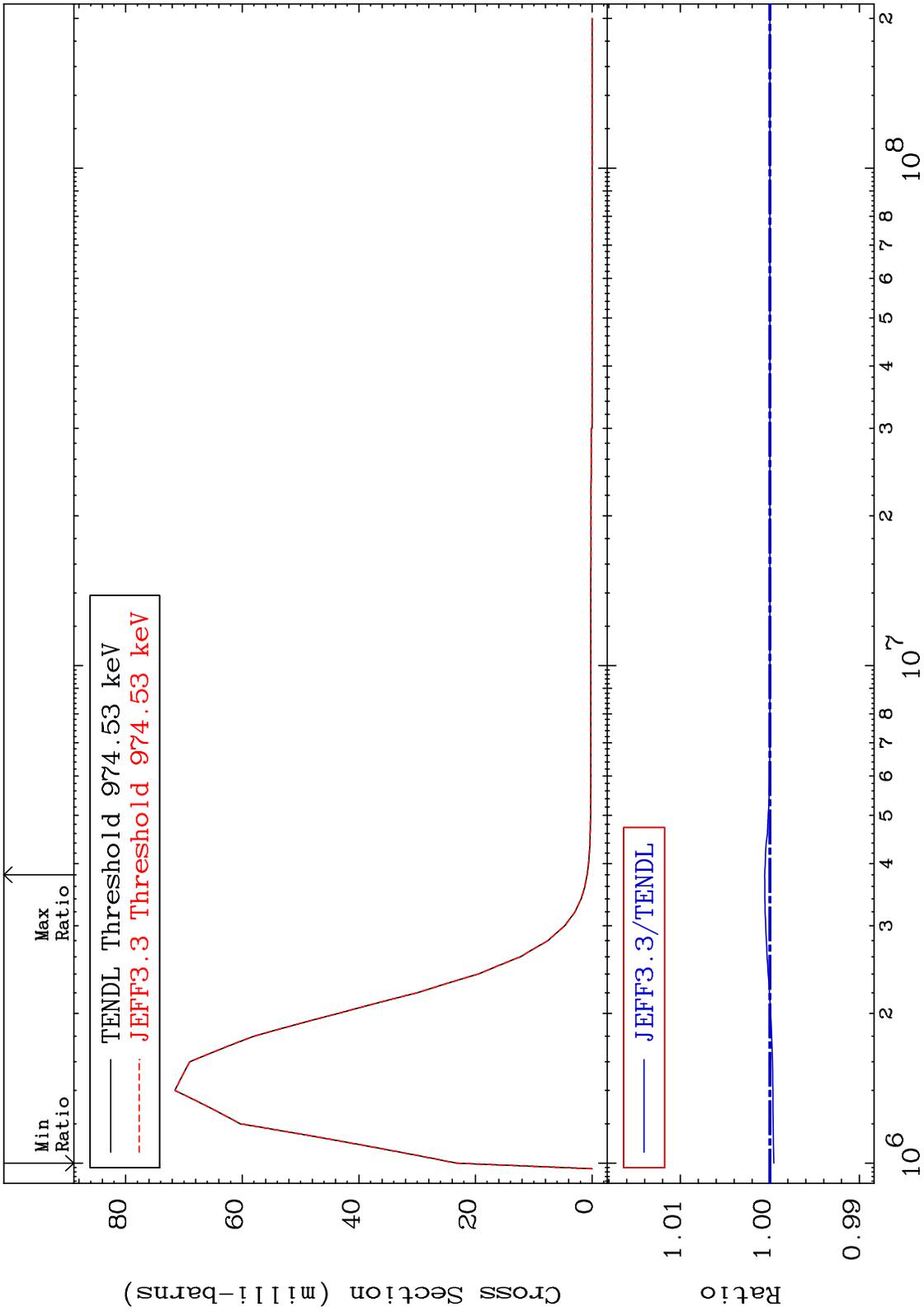
47 75-Re-187

MAT 7531 MT= 79 (n,n') Level Cross Section 75-Re-187 -0.037 To 0.052 %



48 Incident Energy (eV) 75-Re-187

MAT 7531 MT= 80 (n,n') Level Cross Section 75-Re-187 -0.043 To 0.058 %

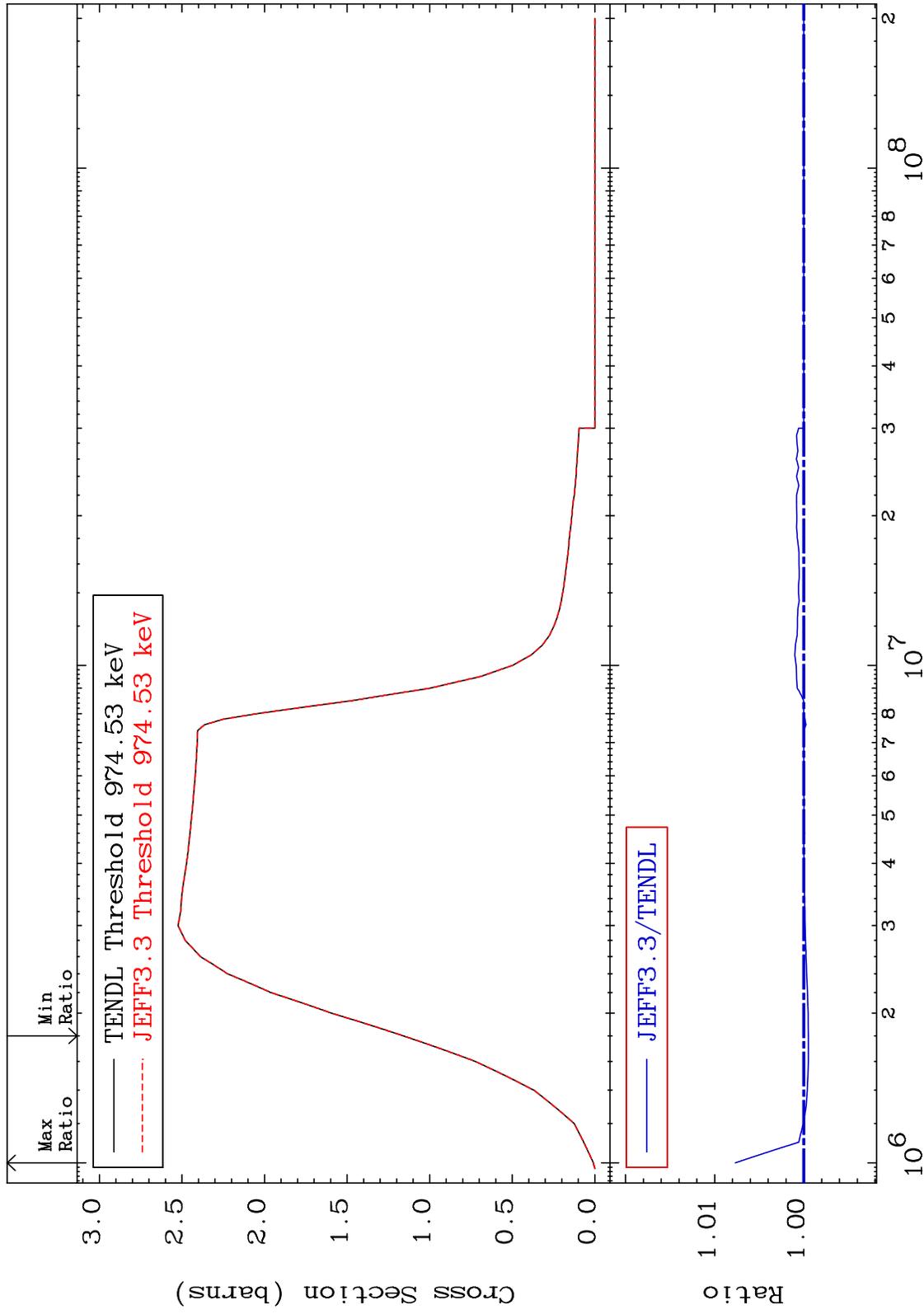


49 75-Re-187

MAT 7531

(n, n') Continuum
Cross Section

75-Re-187
-0.052 To 0.768 %



50

Incident Energy (eV)

75-Re-187

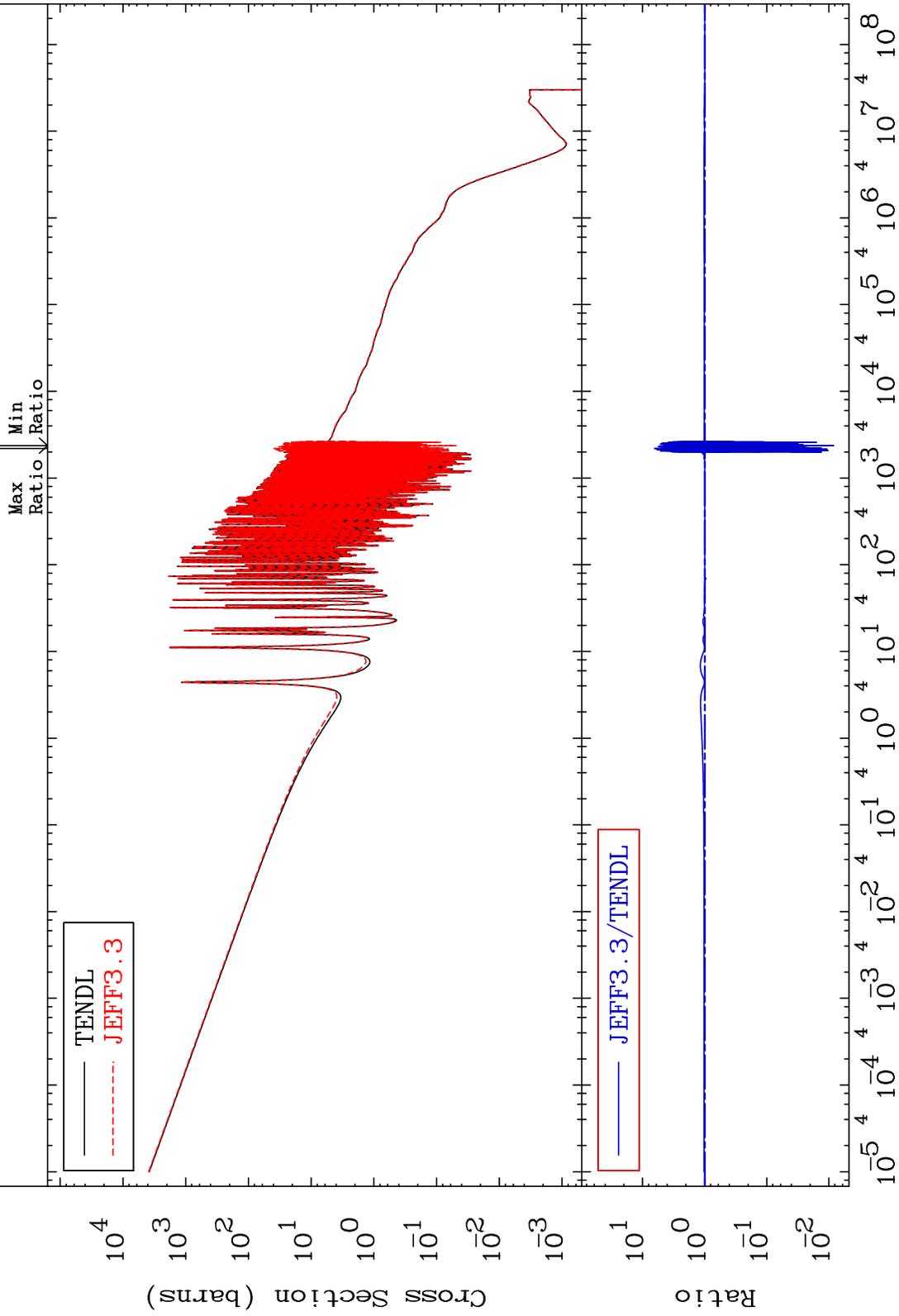
MAT 7531

(n, γ)

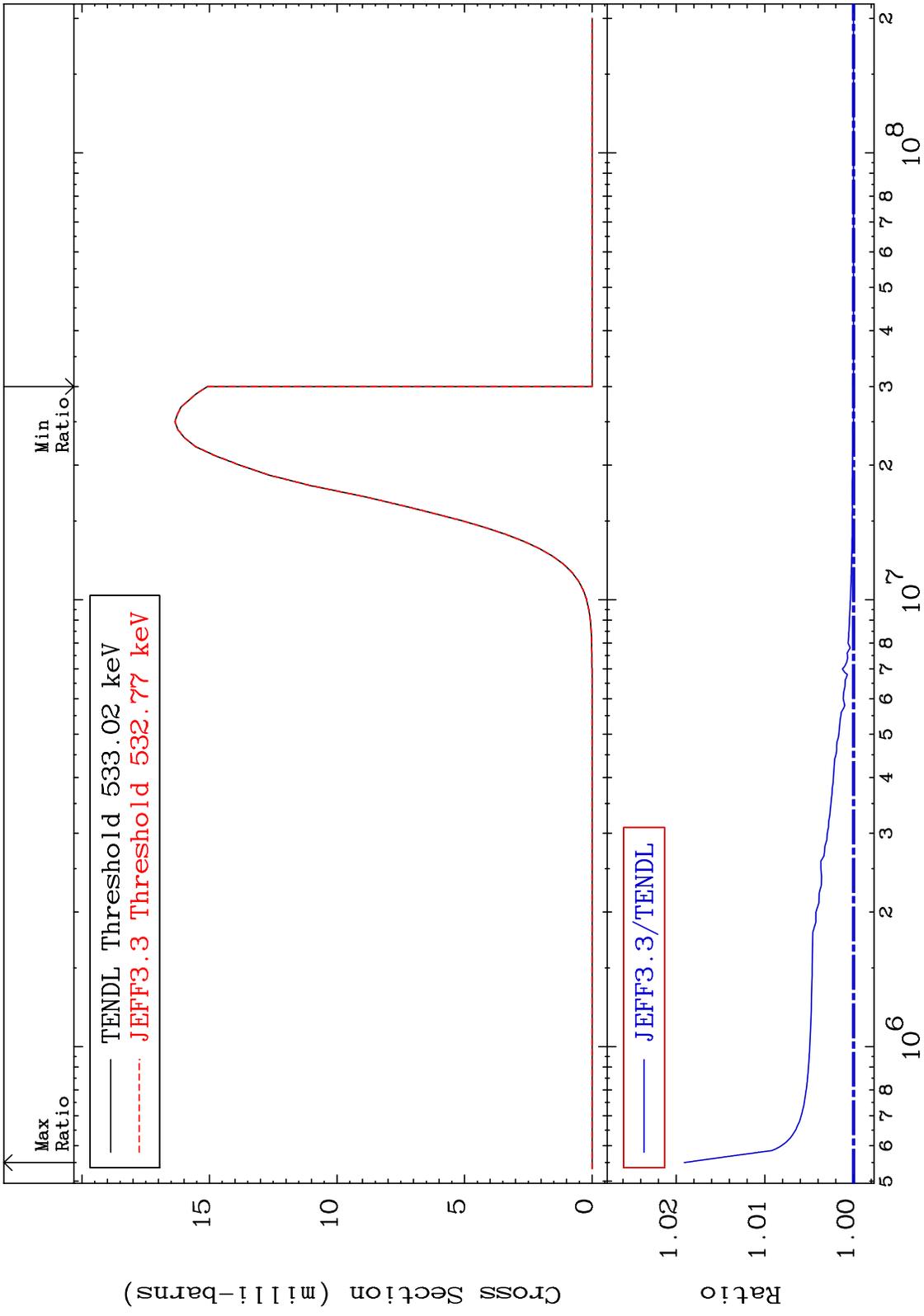
75-Re-187

-99.17 To 544.6 %

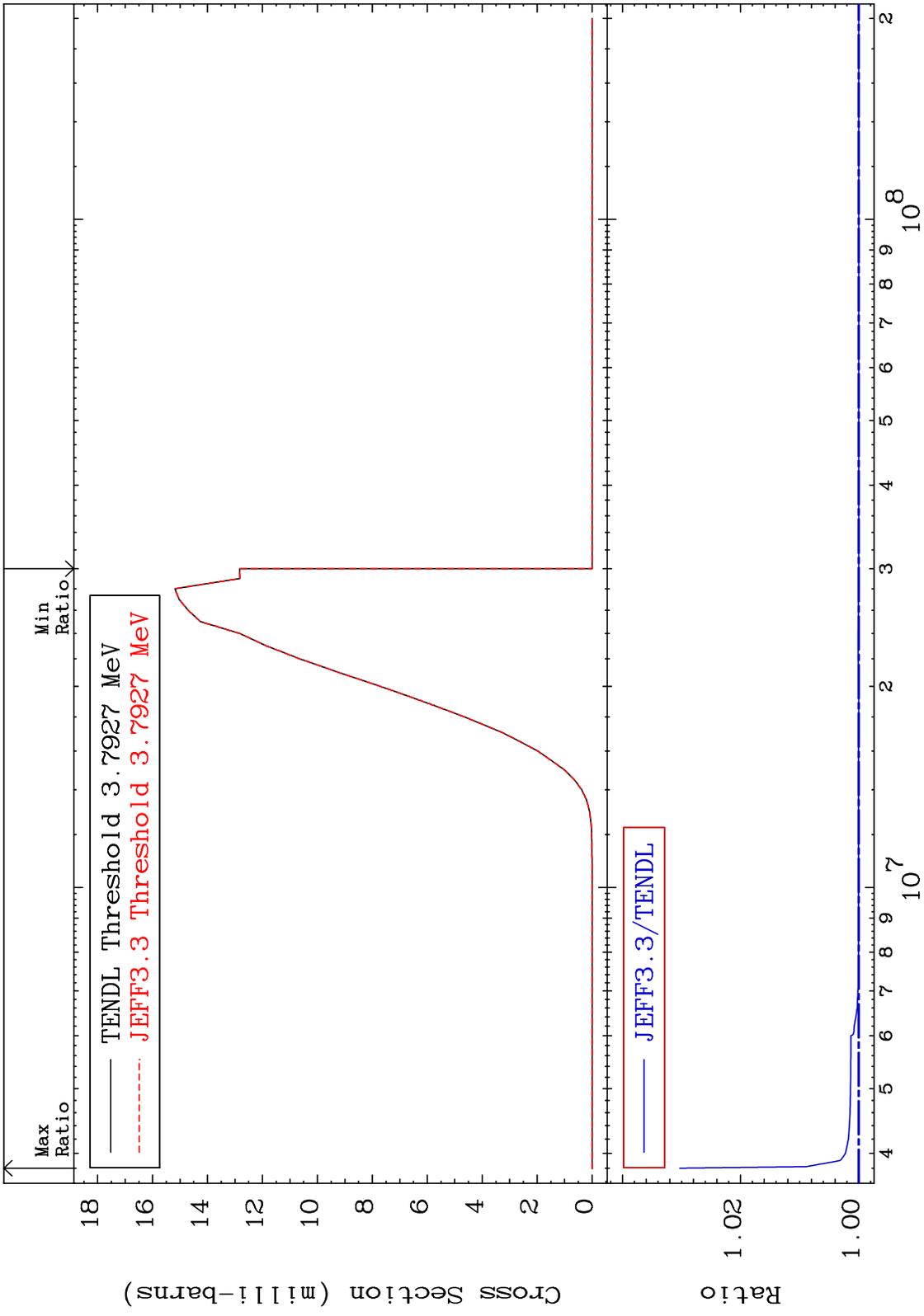
Cross Section

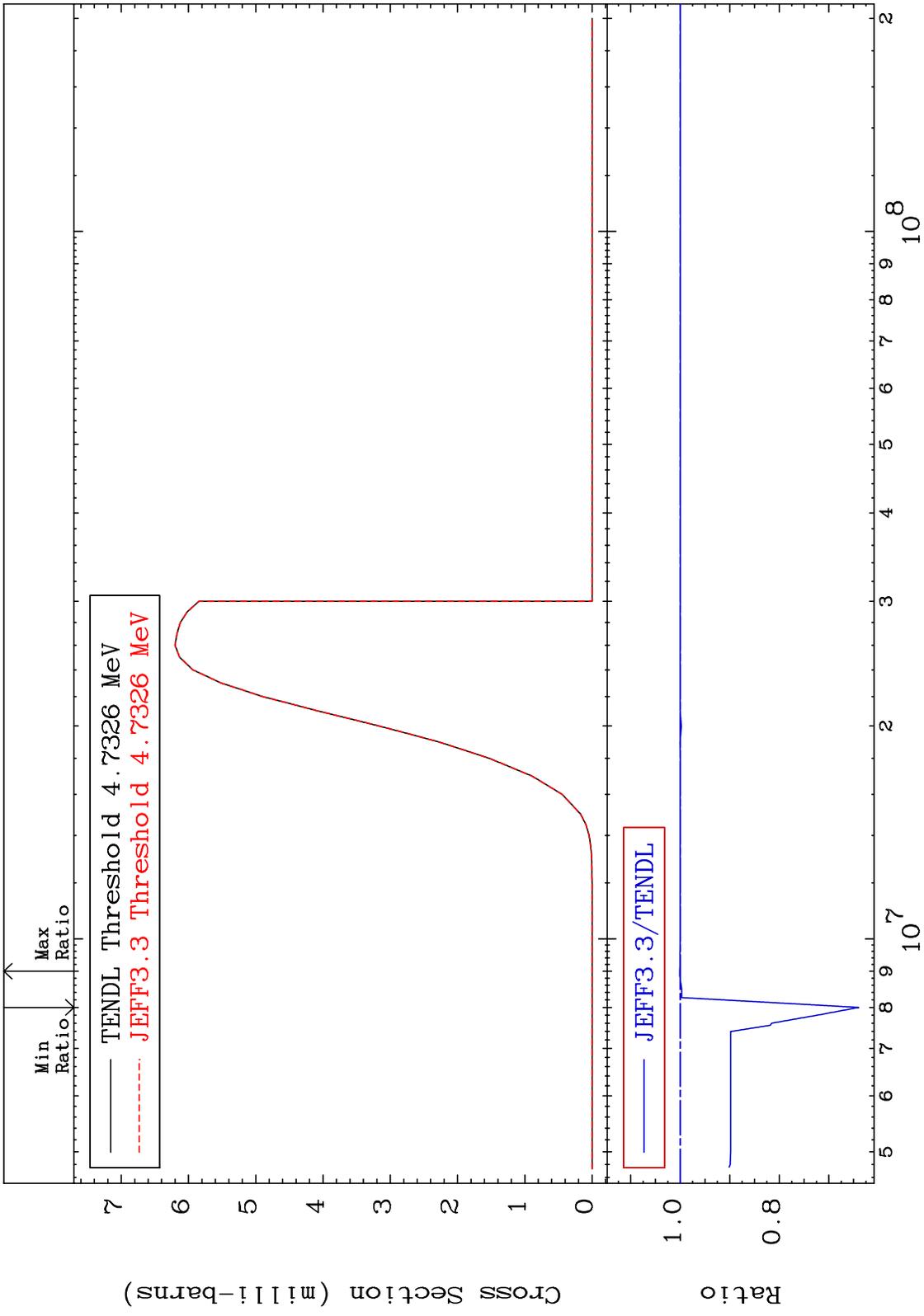


MAT 7531 (n,p) Cross Section 75-Re-187 -0.008 To 1.910 %

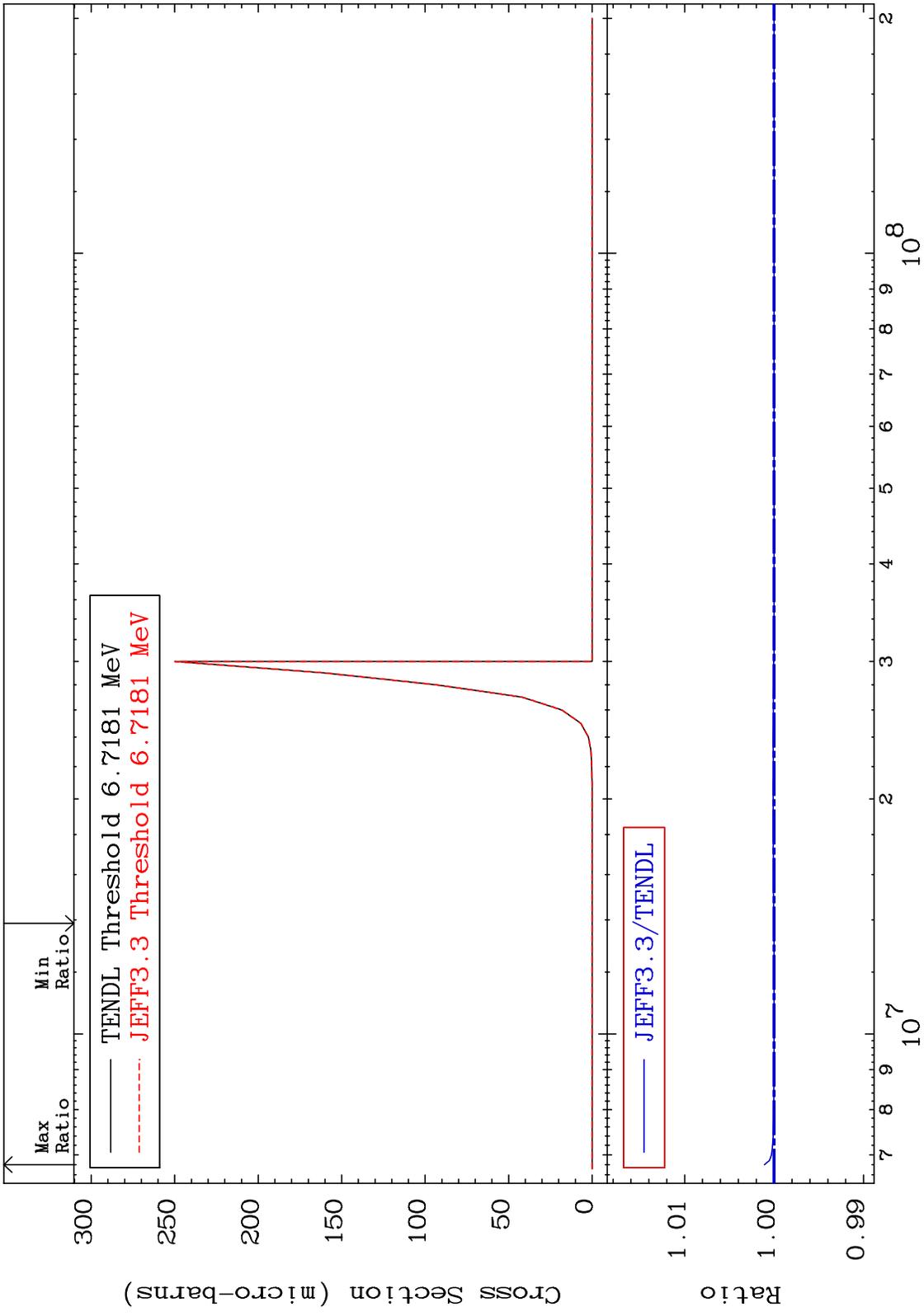


MAT 7531 (n,d) Cross Section 75-Re-187 -0.002 To 3.031 %





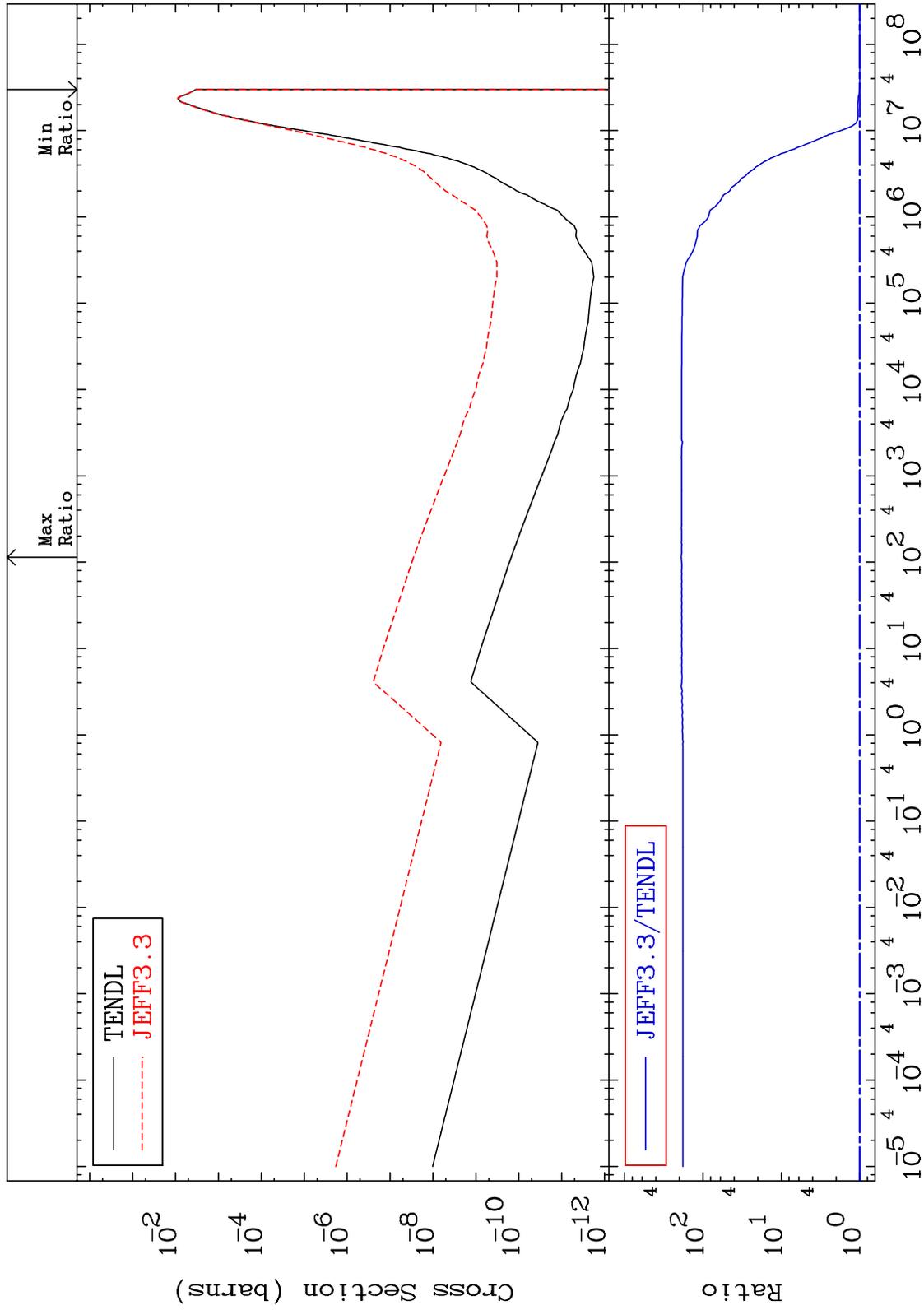
MAT 7531 (n, He-3) Cross Section 75-Re-187 To 0.108 %



MAT 7531

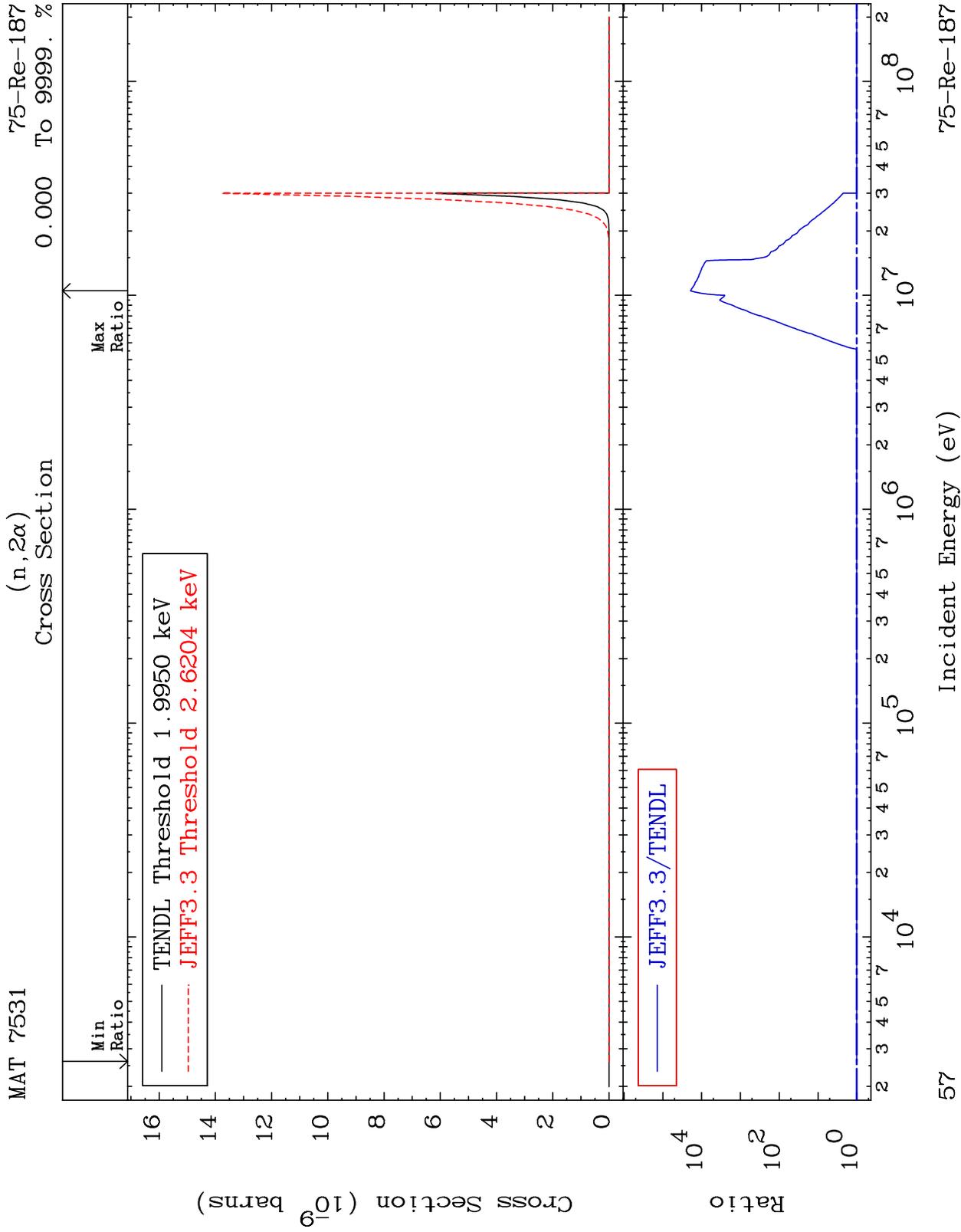
(n, α)
Cross Section

75-Re-187
0.000 To 9999. %

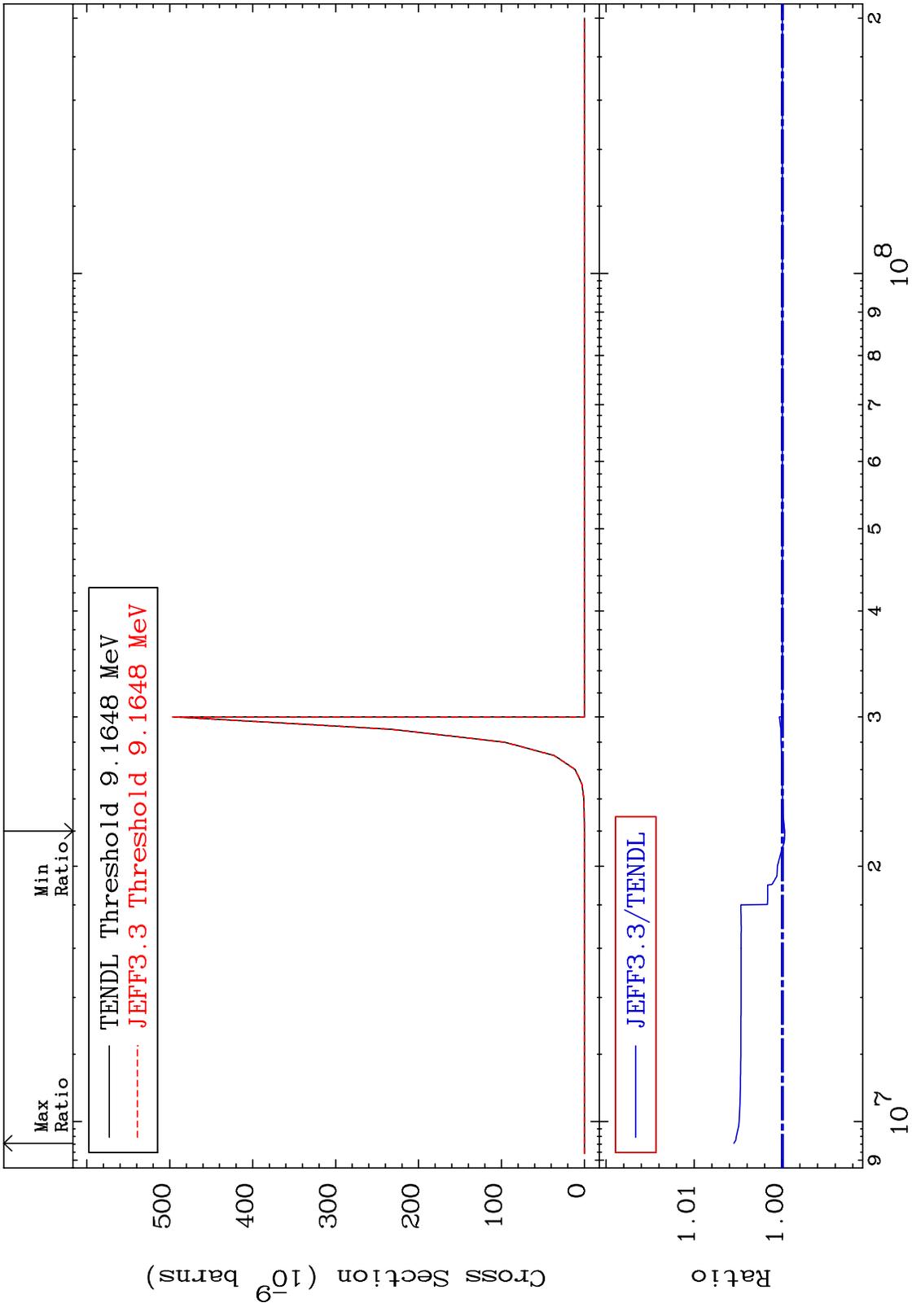


Incident Energy (eV)

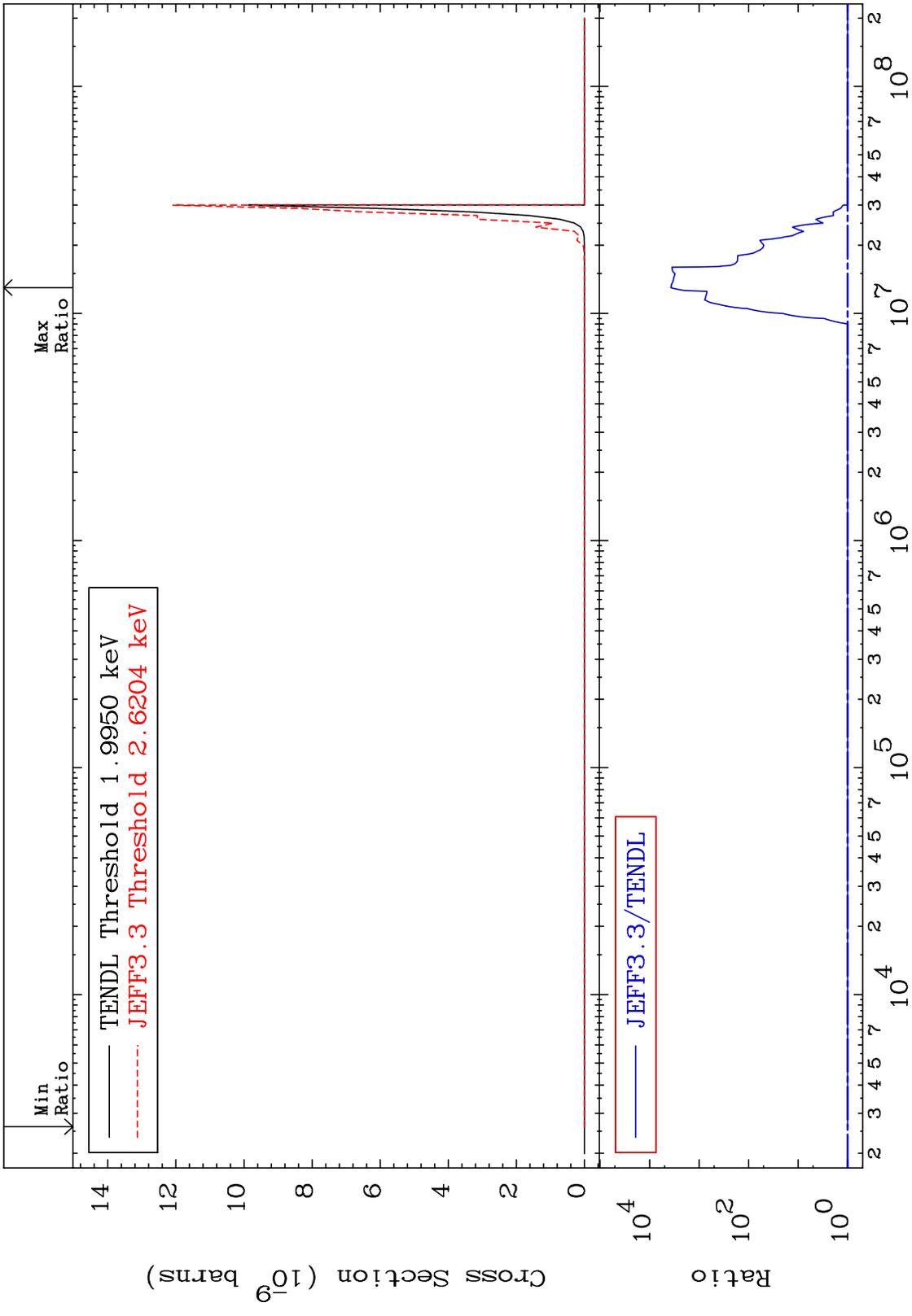
75-Re-187



MAT 7531 (n,2p) Cross Section 75-Re-187 -0.027 To 0.549 %



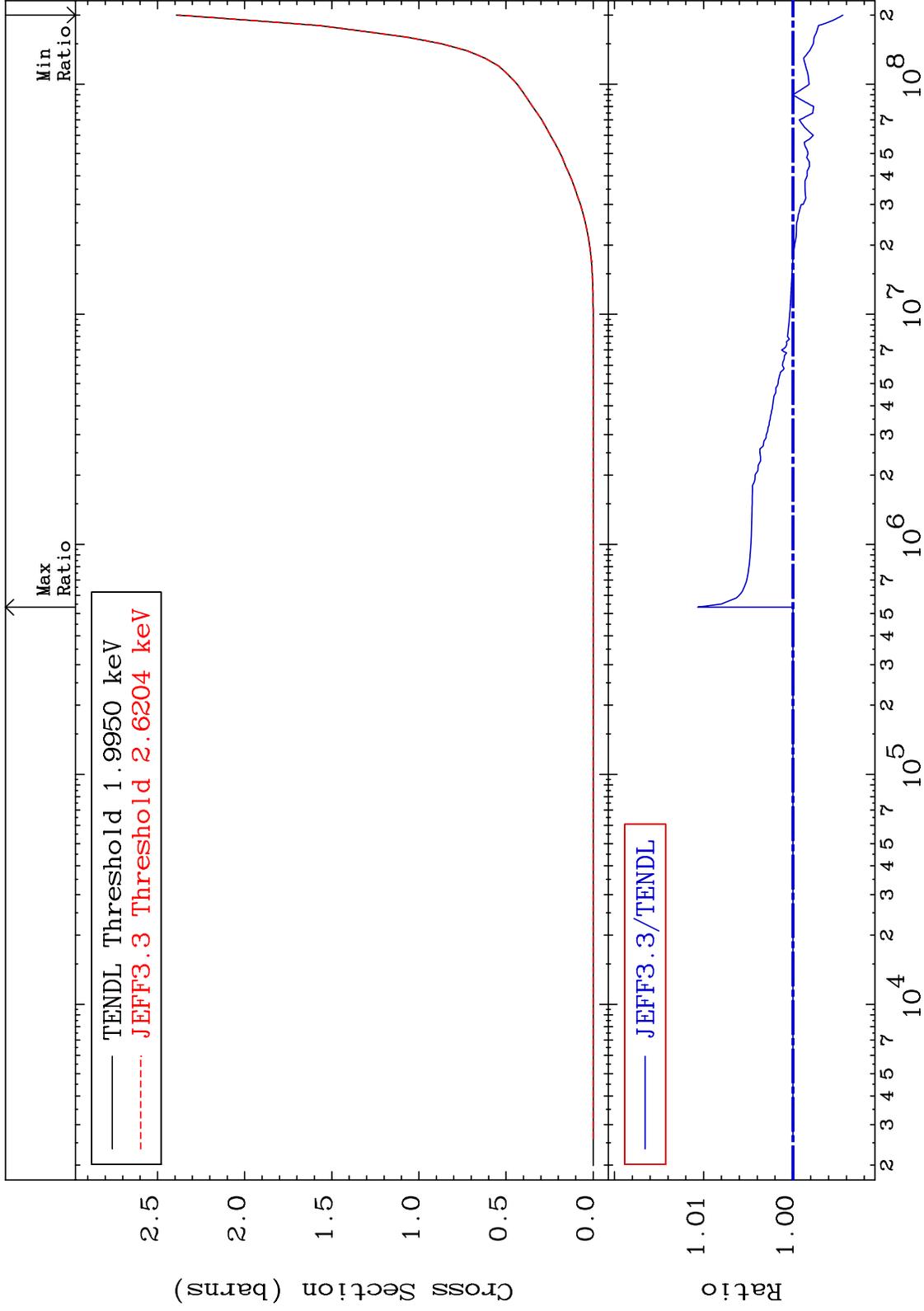
MAT 7531 (n,p) α 75-Re-187 To 9999. %



MAT 7531

Hydrogen Production
Cross Section

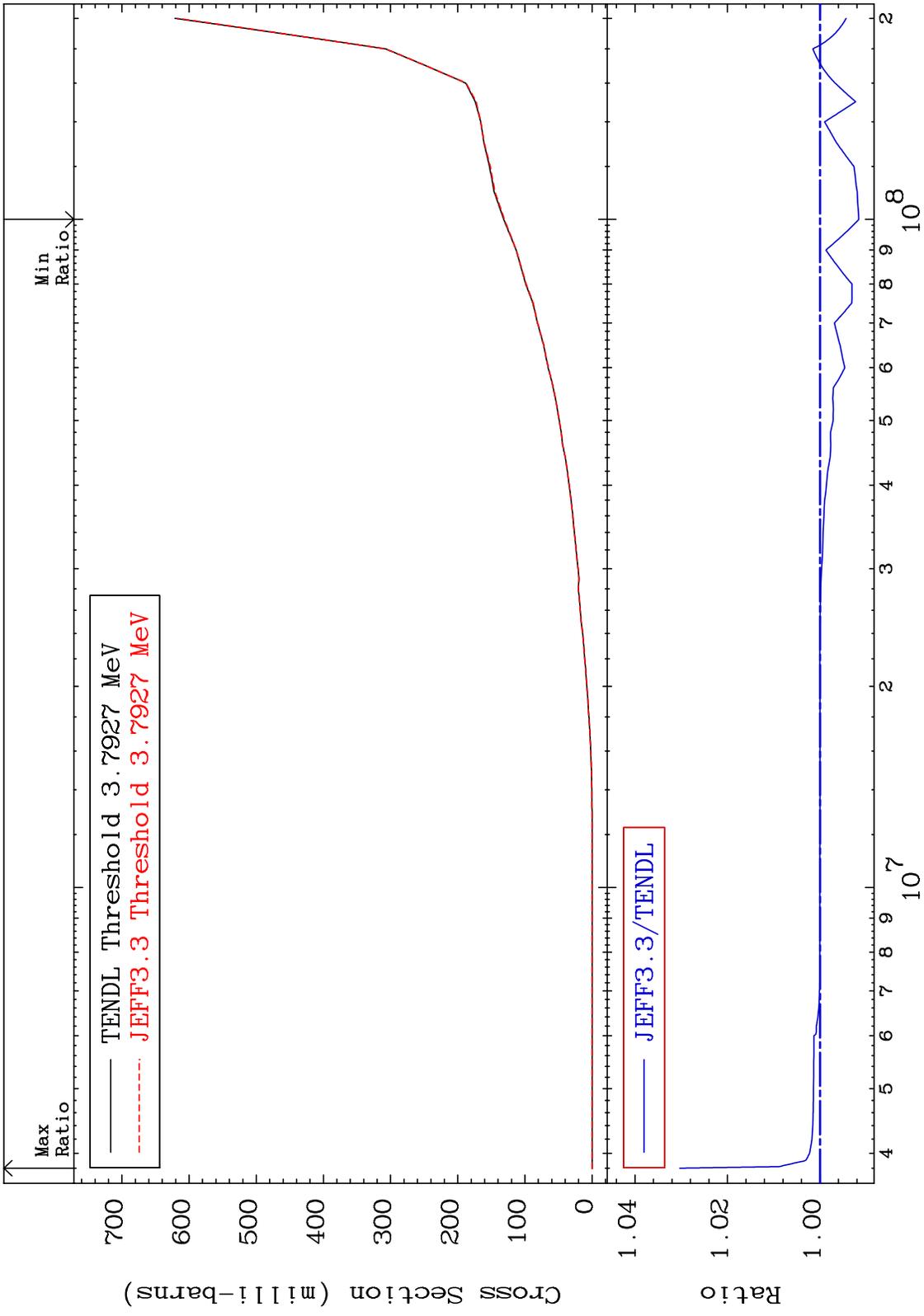
75-Re-187
-0.560 To 1.068 %



60

75-Re-187

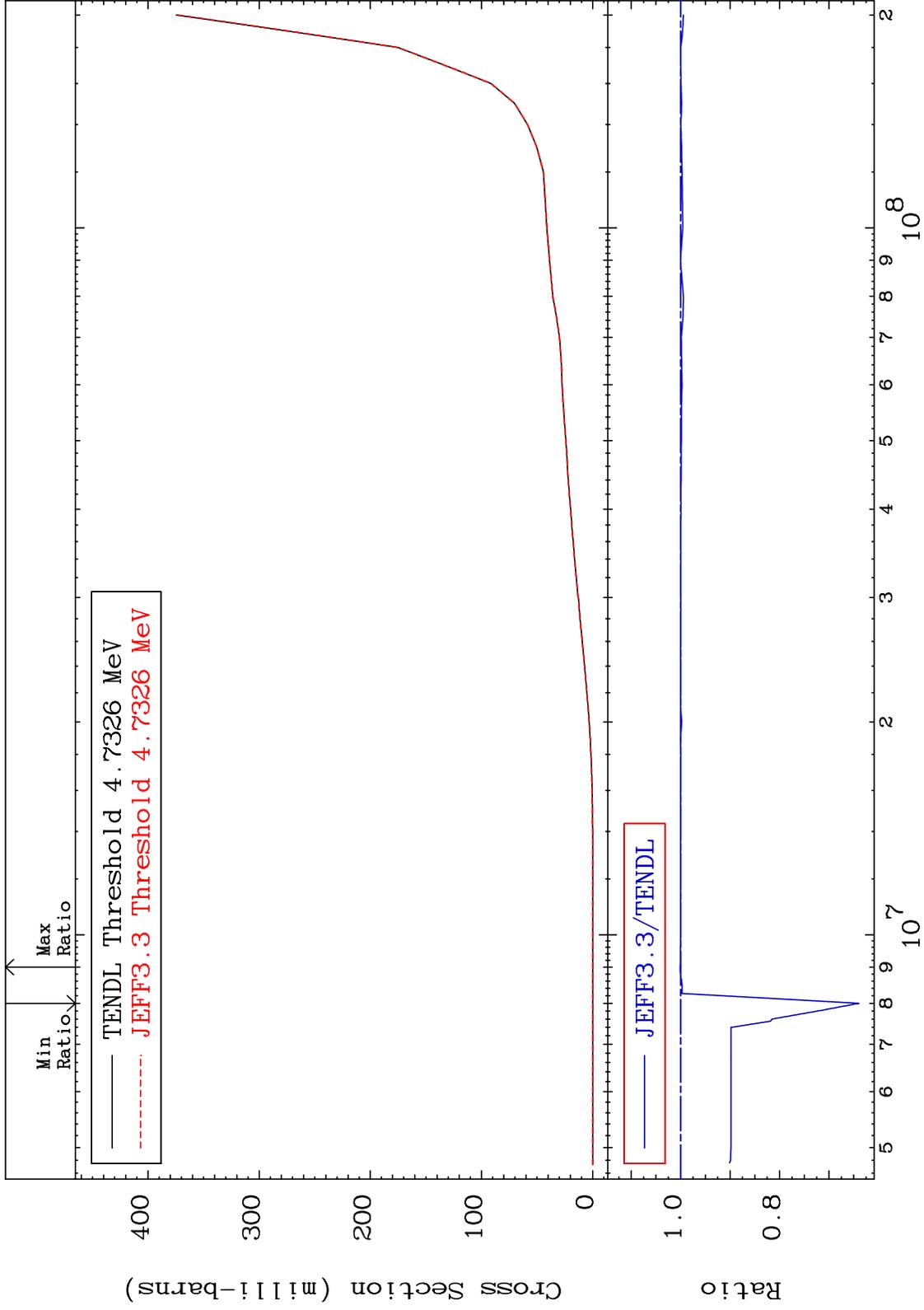
MAT 7531 Deuterium Production Cross Section 75-Re-187 -0.840 To 3.031 %



MAT 7531

Tritium Production
Cross Section

75-Re-187
-36.06 To 0.100 %



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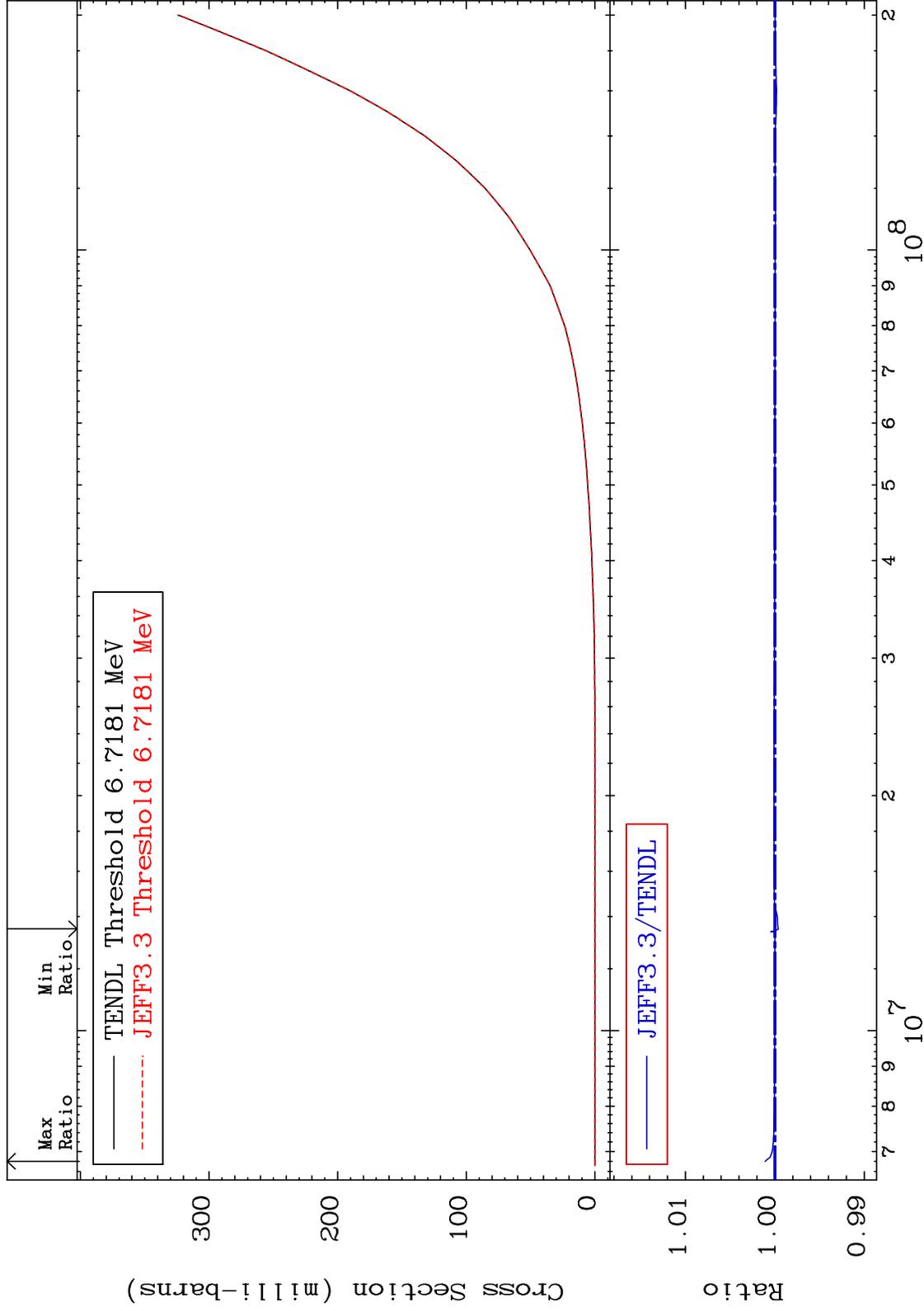
Incident Energy (eV)

75-Re-187

MAT 7531

He-3 Production
Cross Section

75-Re-187
-0.042 To 0.108 %

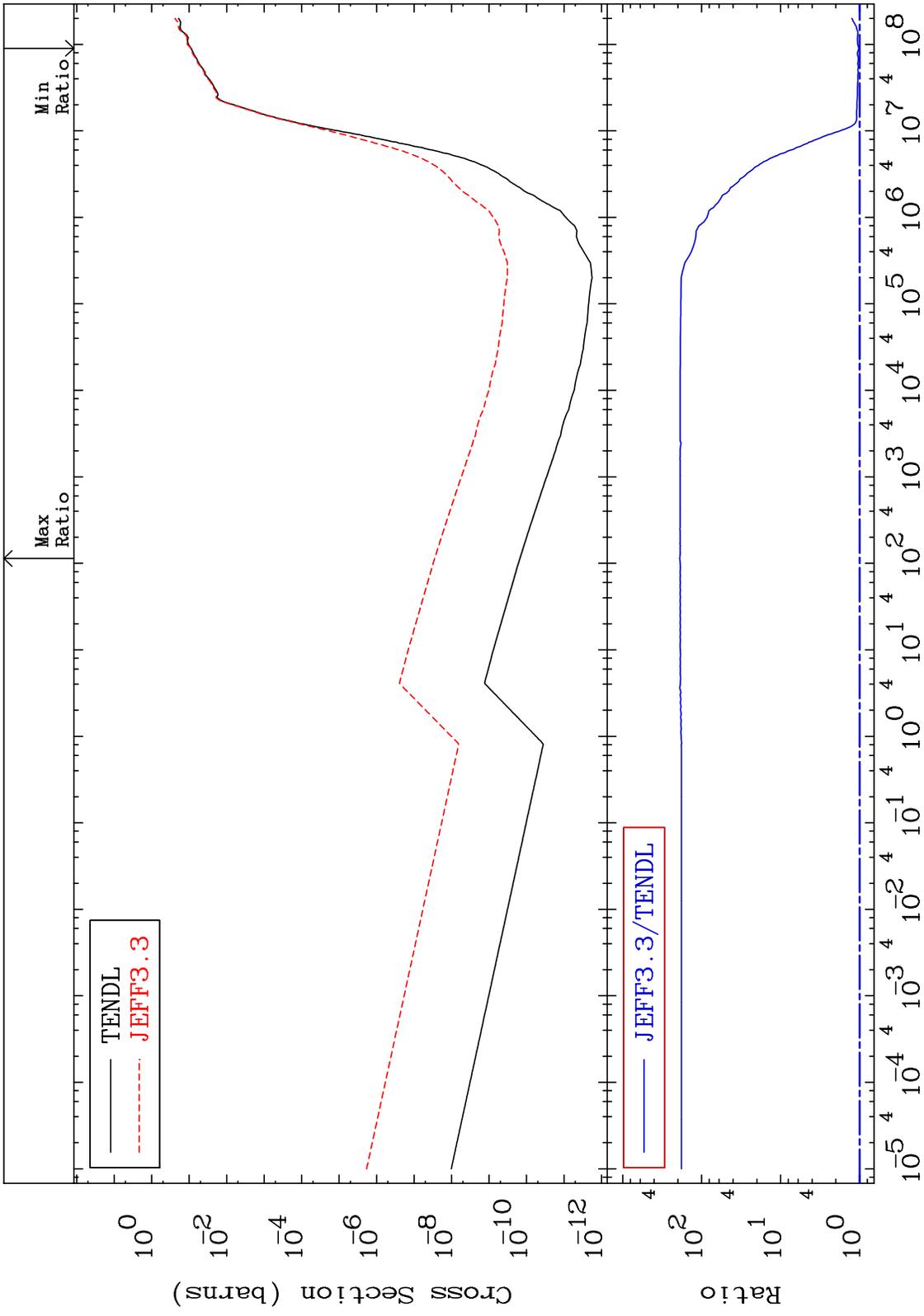


63

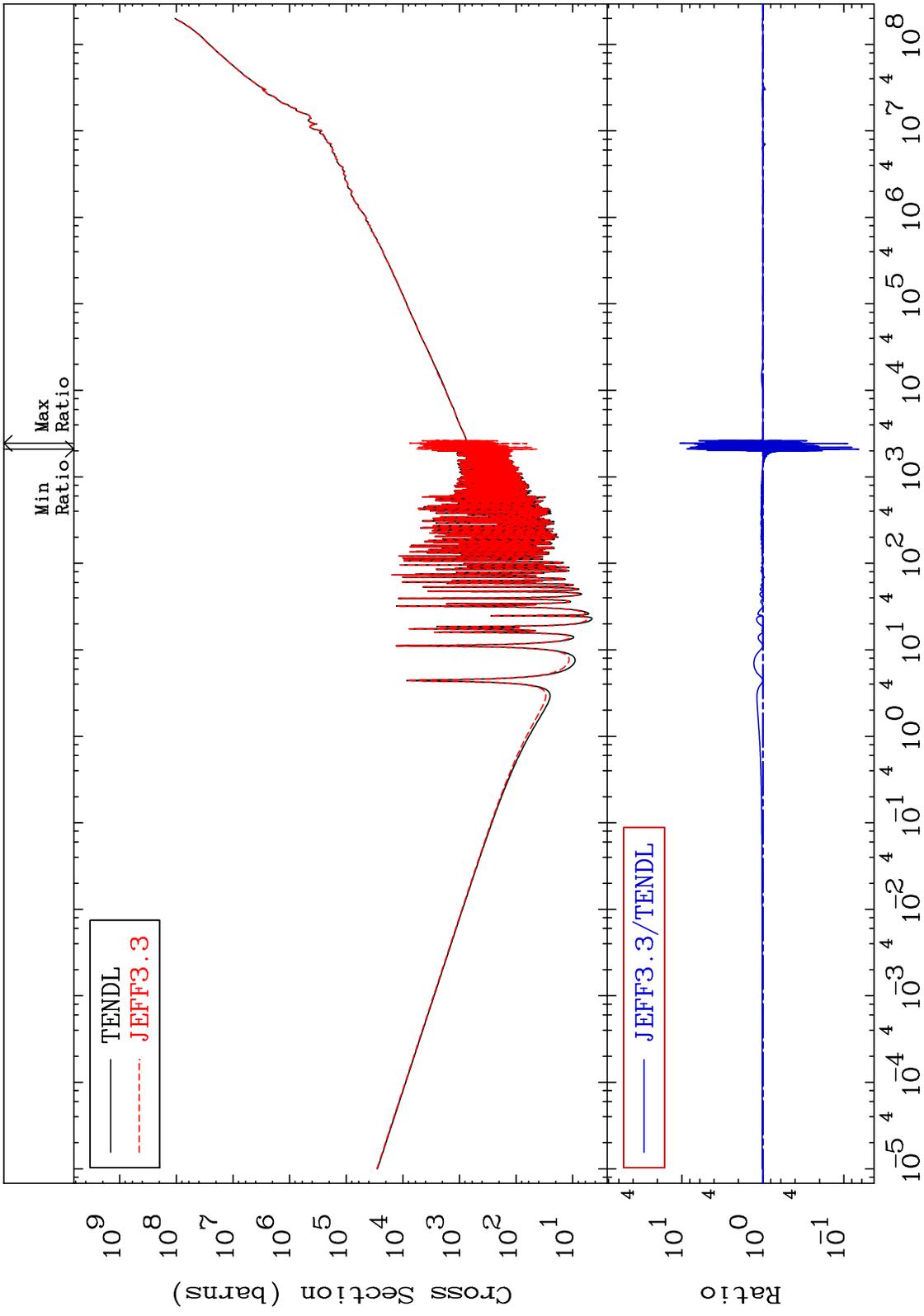
Incident Energy (eV)

75-Re-187

MAT 7531 He-4 Production Cross Section 75-Re-187 To 9999. %



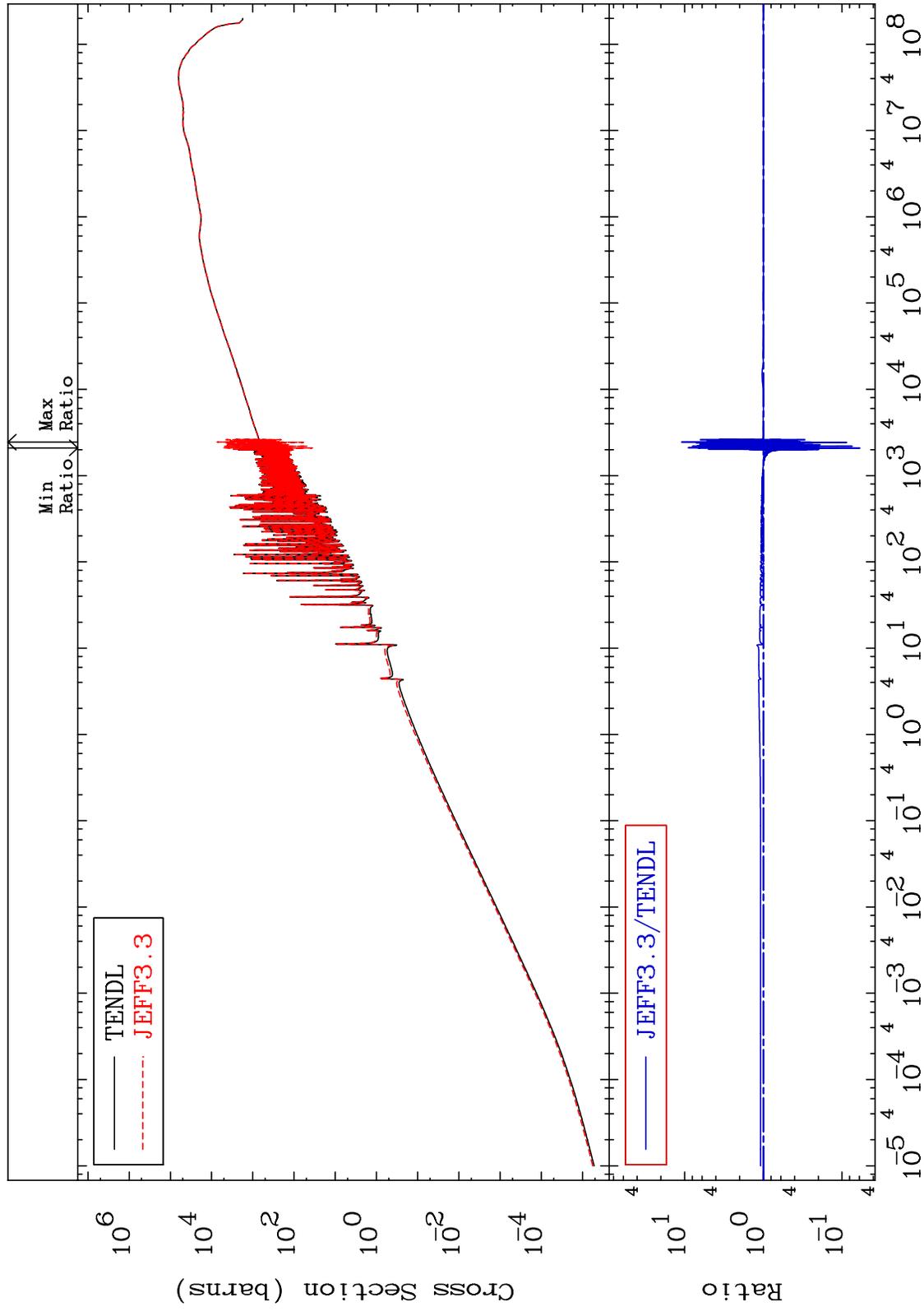
MAT 7531 Kerma total (eV-barns) 75-Re-187
 Cross Section -93.45 To 960.4 %



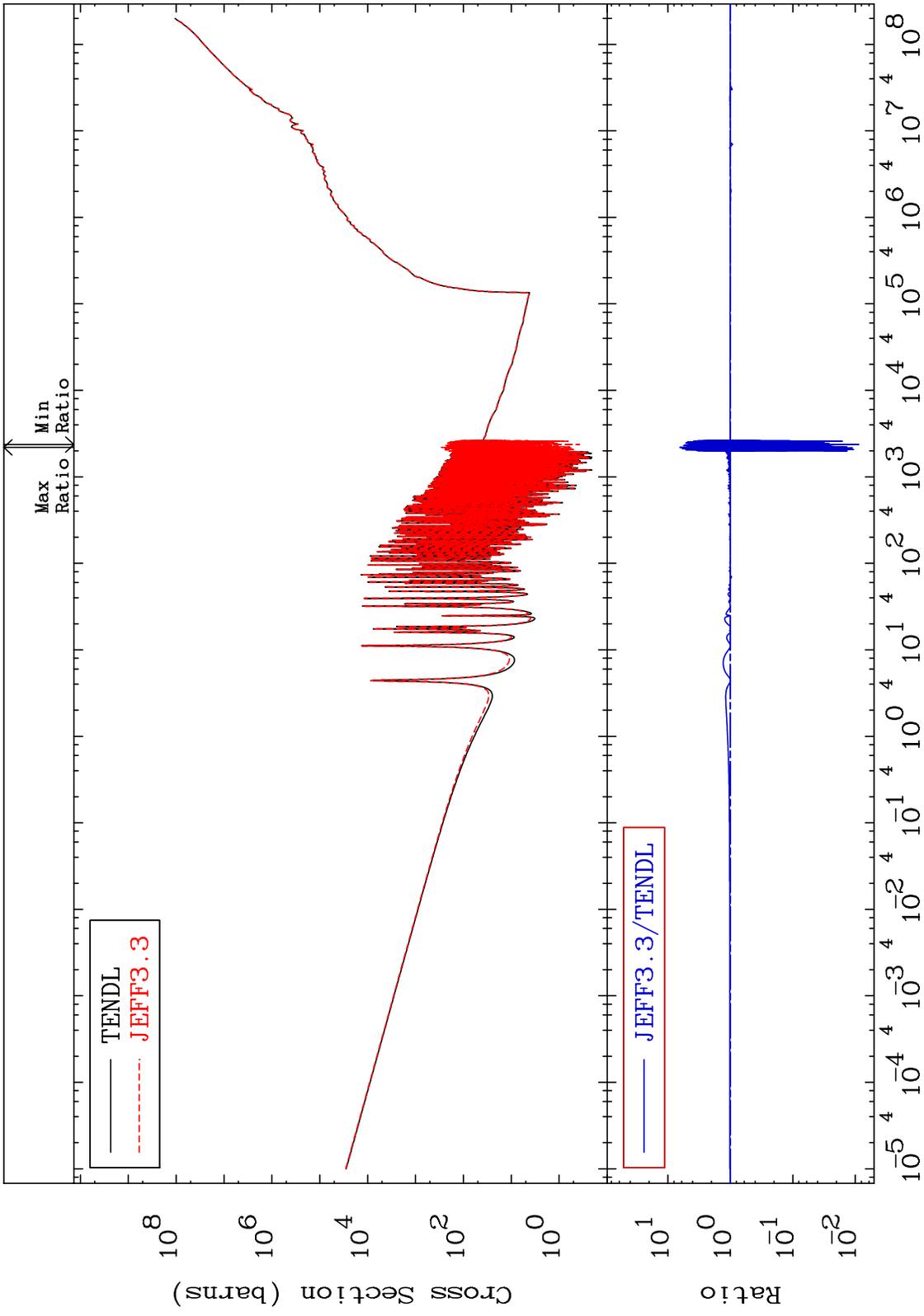
MAT 7531

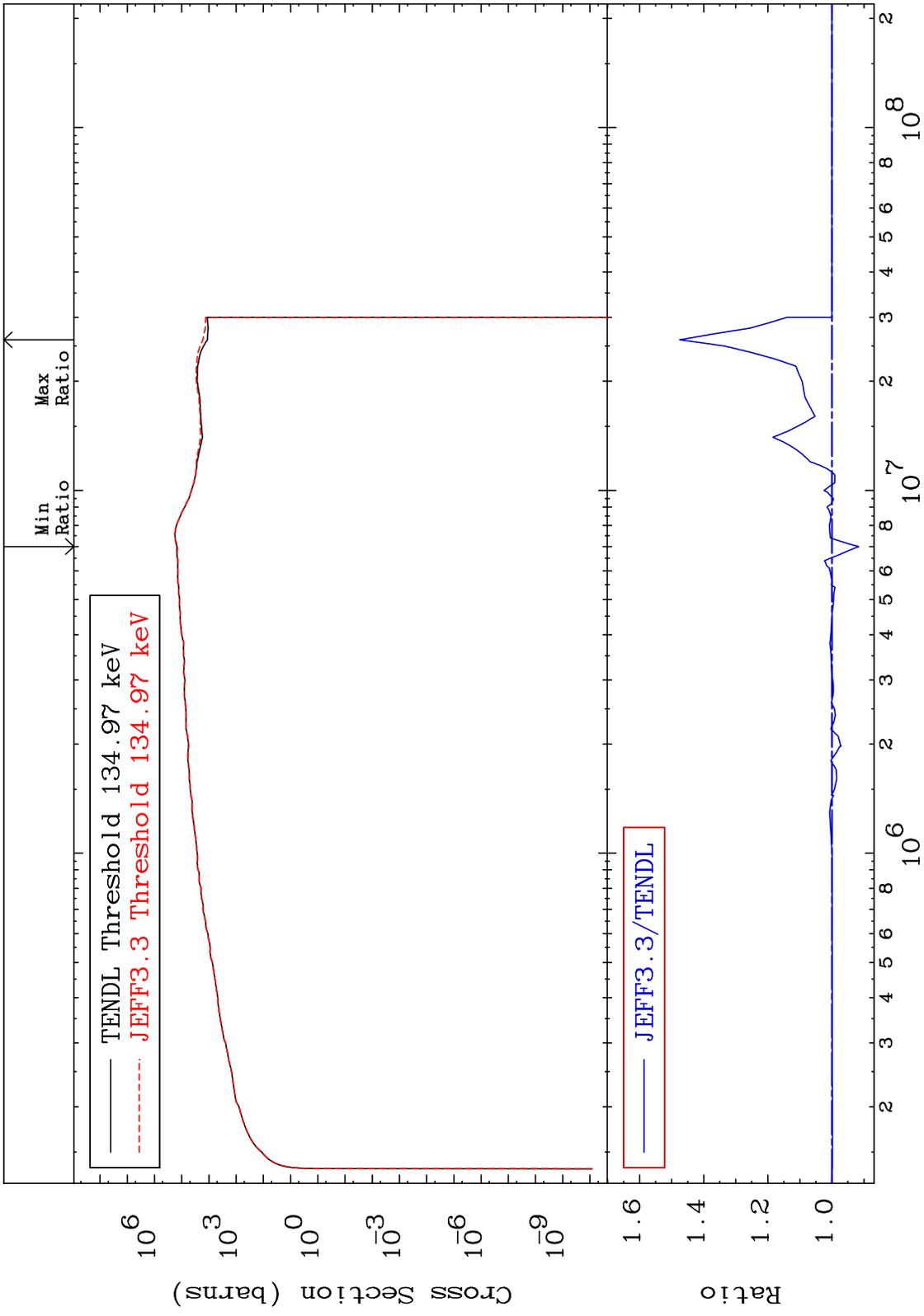
Kerma elastic
Cross Section

75-Re-187
-94.07 To 995.9 %



MAT 7531 Kerma non-elastic (all but mt2) Cross Section 75-Re-187
 -99.12 To 544.6 %

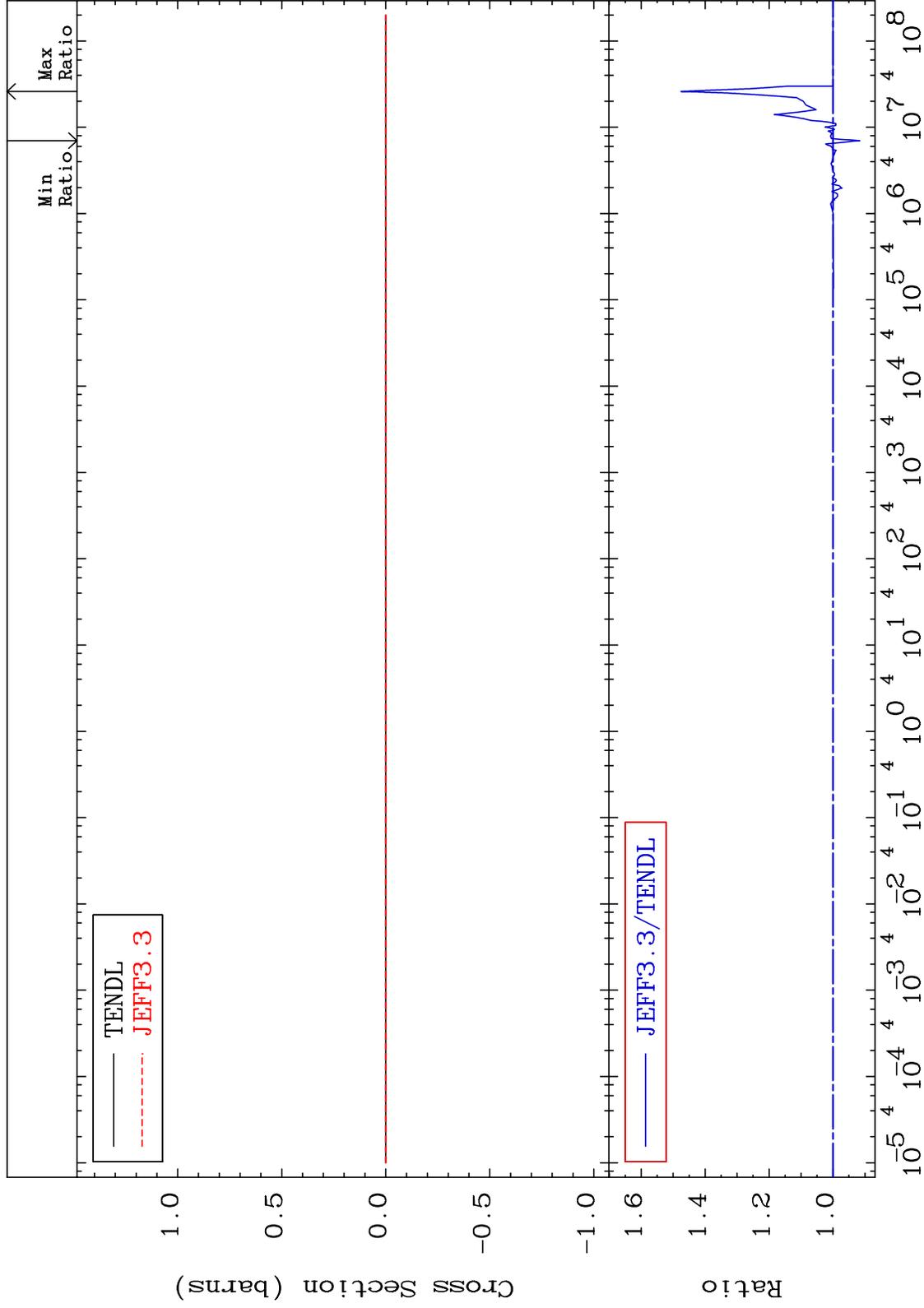




MAT 7531

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

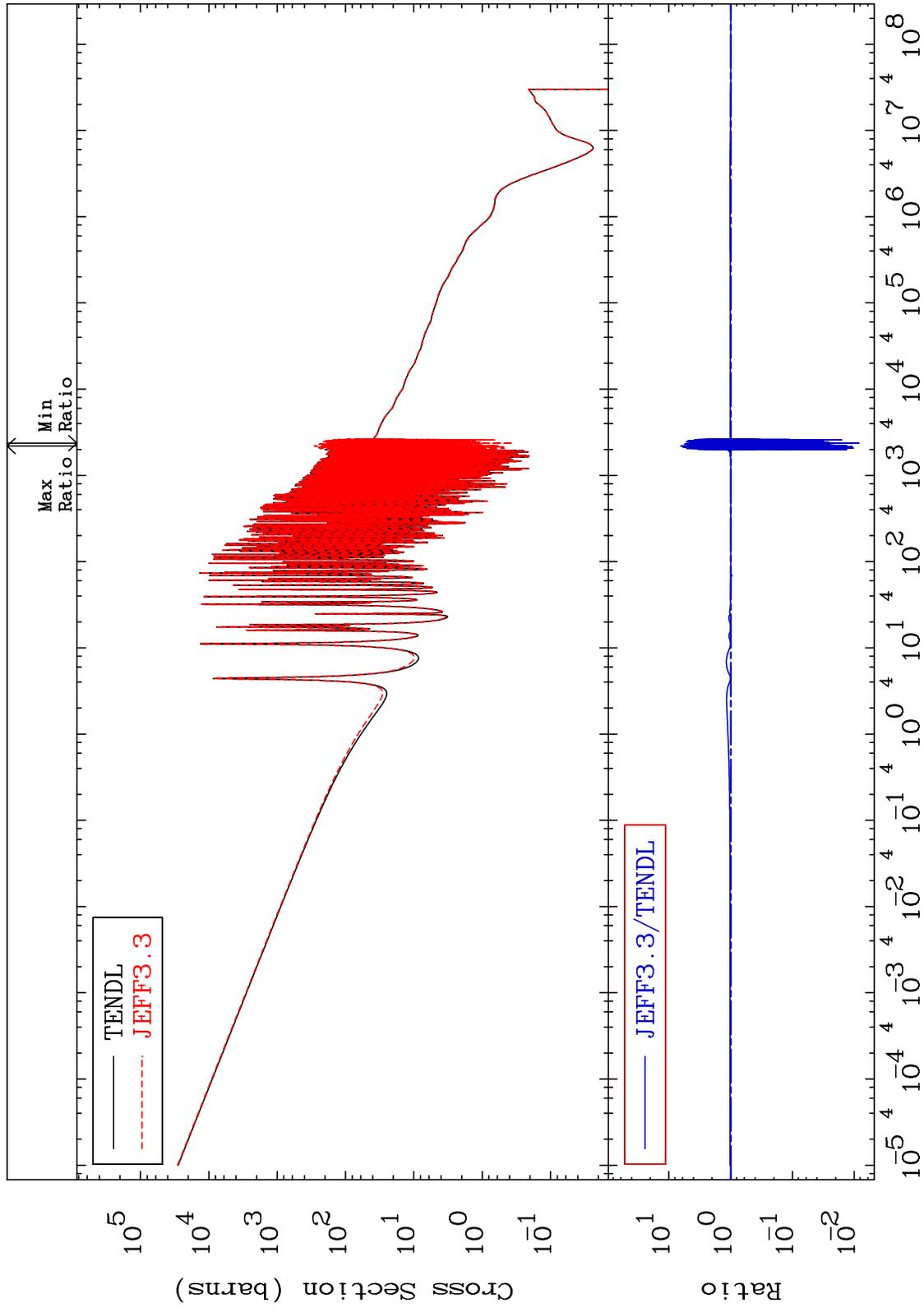
75-Re-187
-8.402 To 47.48 %



MAT 7531

Kerma capture (mt102)
Cross Section

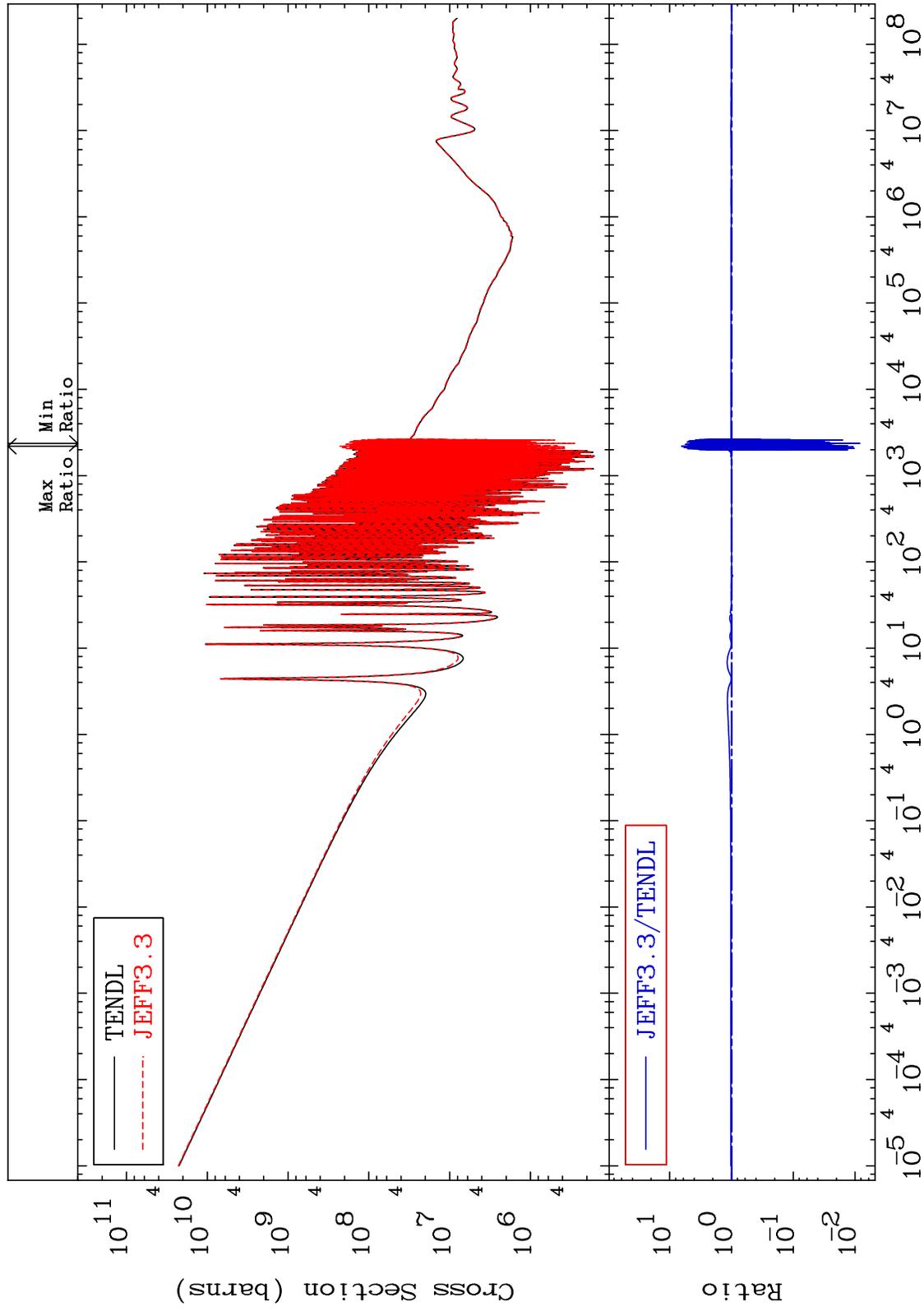
75-Re-187
-99.17 To 544.6 %



MAT 7531

Total photon (eV-barns)
Cross Section

75-Re-187
-99.17 To 544.6 %

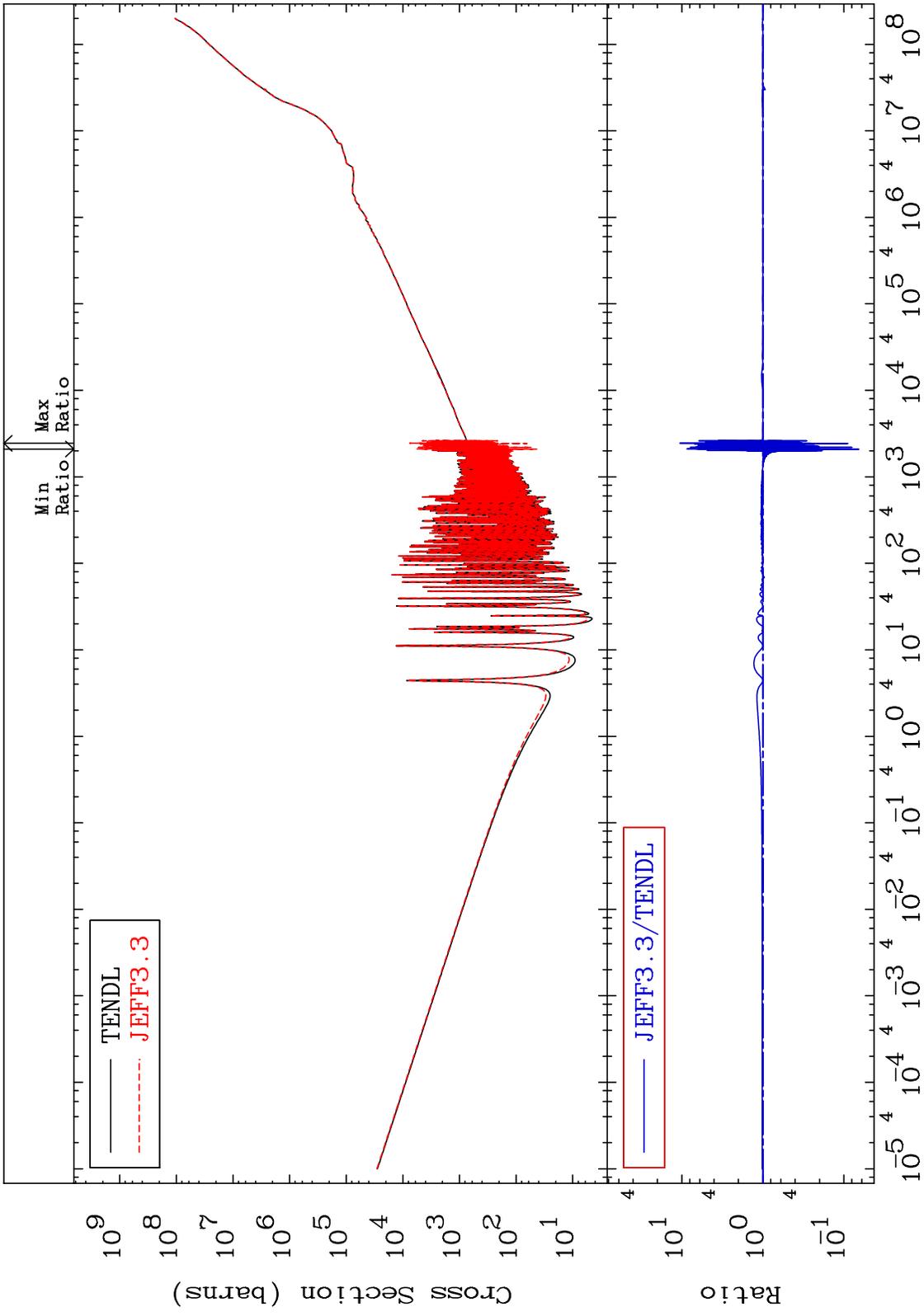


71

Incident Energy (eV)

75-Re-187

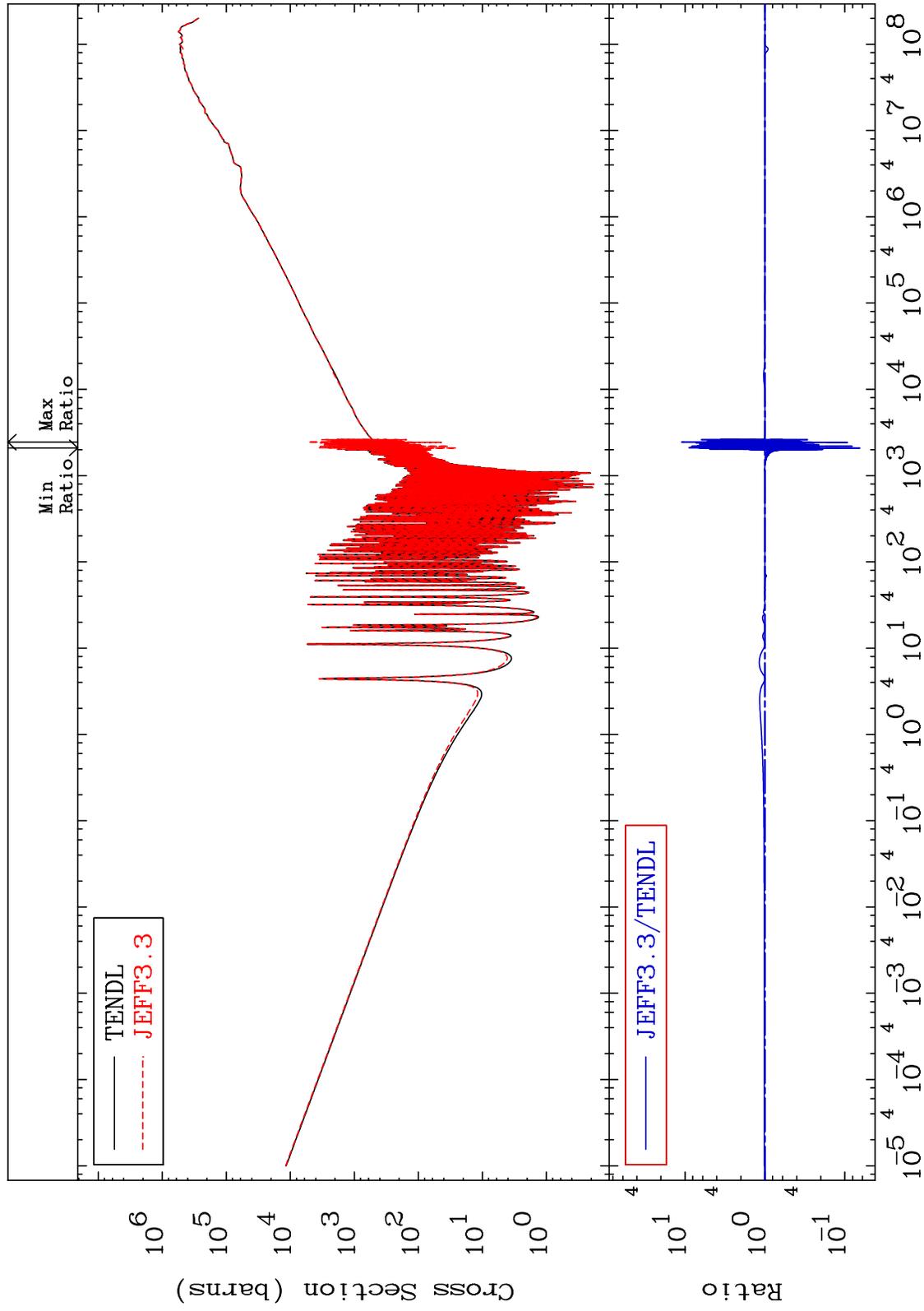
MAT 7531 Total kinematic kerma (high limit) 75-Re-187
 Cross Section -93.45 To 960.4 %



MAT 7531

Dpa total (eV-barns)
Cross Section

75-Re-187
-93.52 To 1008. %



73

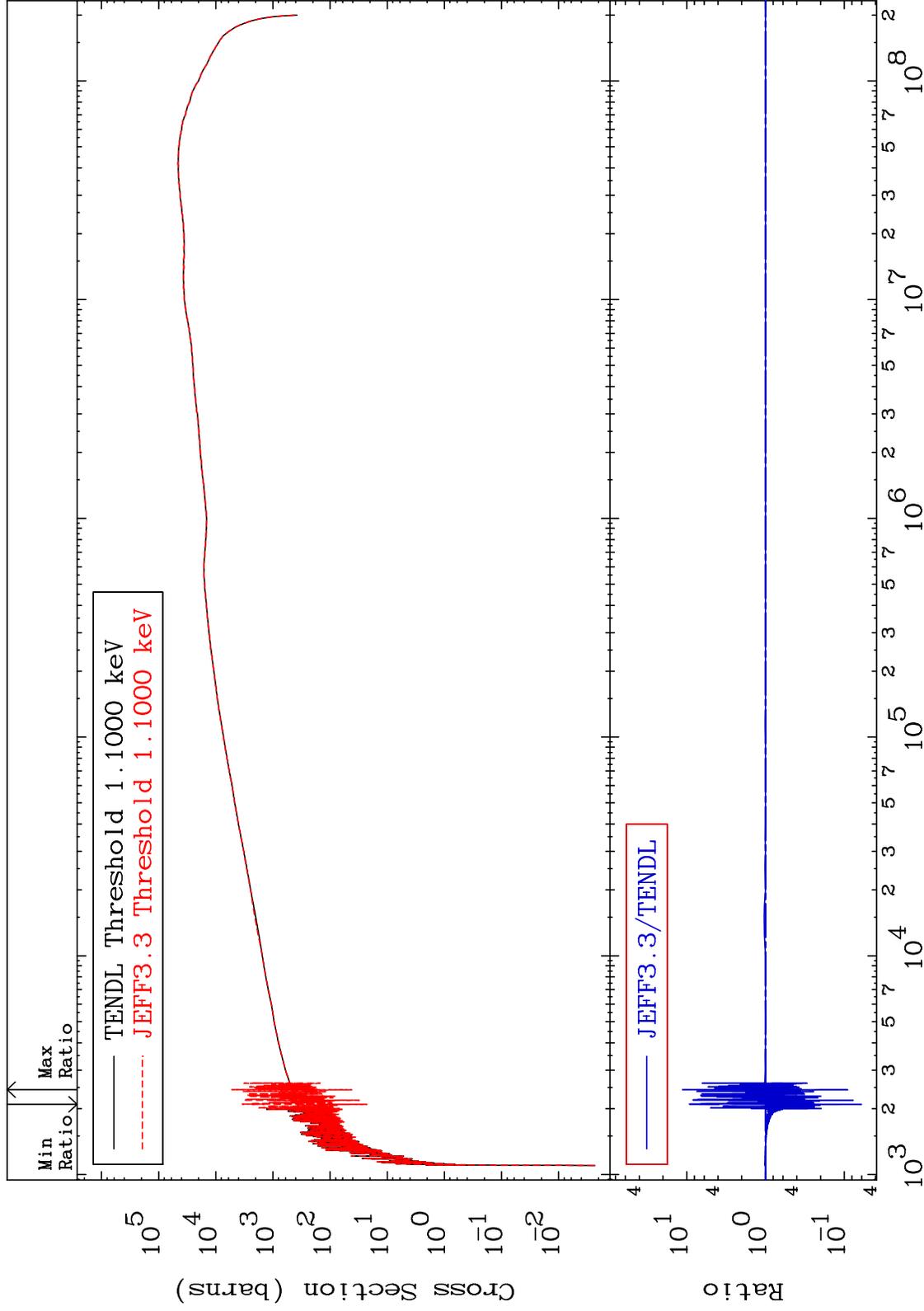
Incident Energy (eV)

75-Re-187

MAT 7531

Dpa elastic (mt2)
Cross Section

75-Re-187
-93.94 To 1032. %

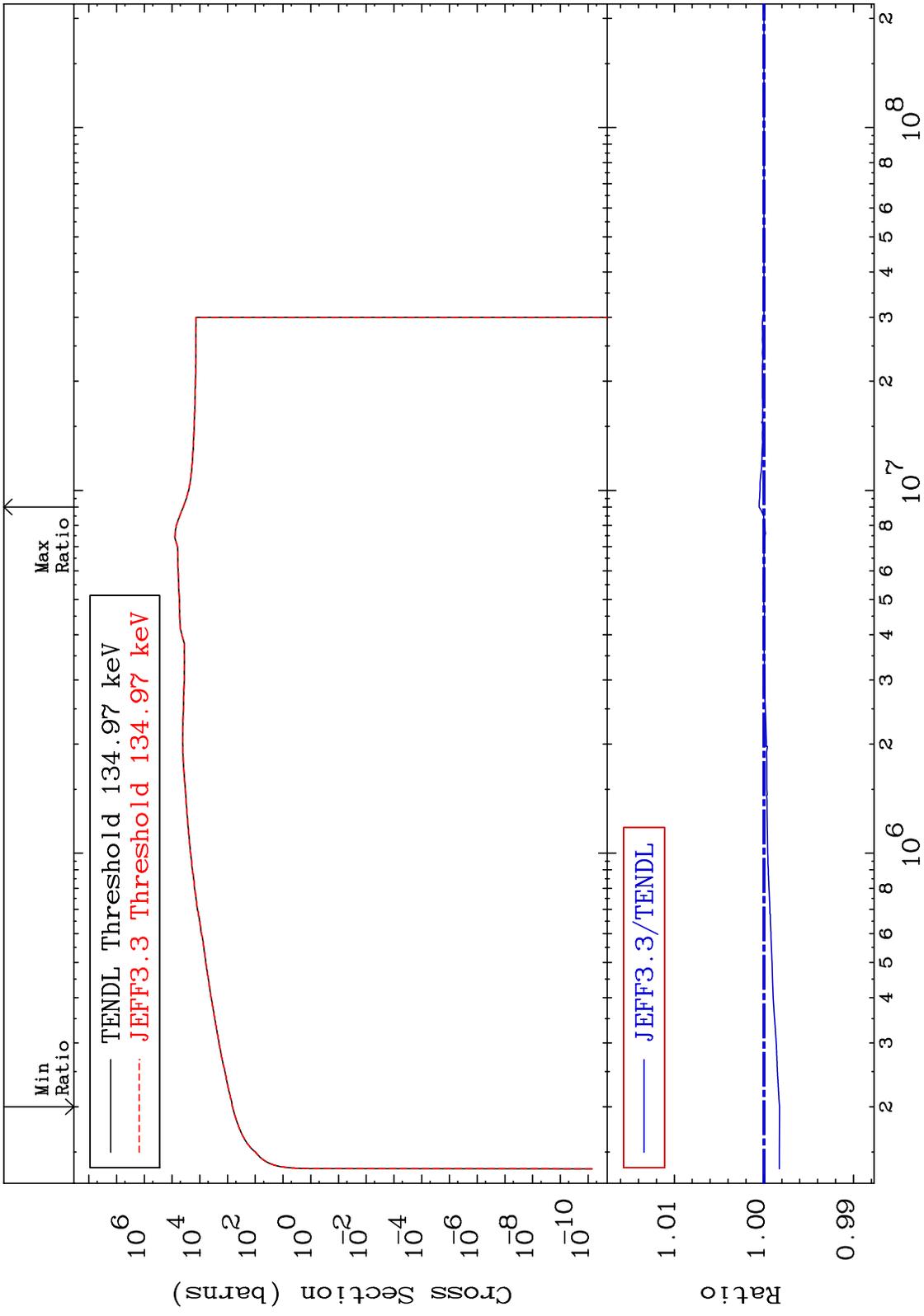


74

Incident Energy (eV)

75-Re-187

MAT 7531 Dpa inelastic (mt51-91) 75-Re-187
 Cross Section -0.174 To 0.054 %

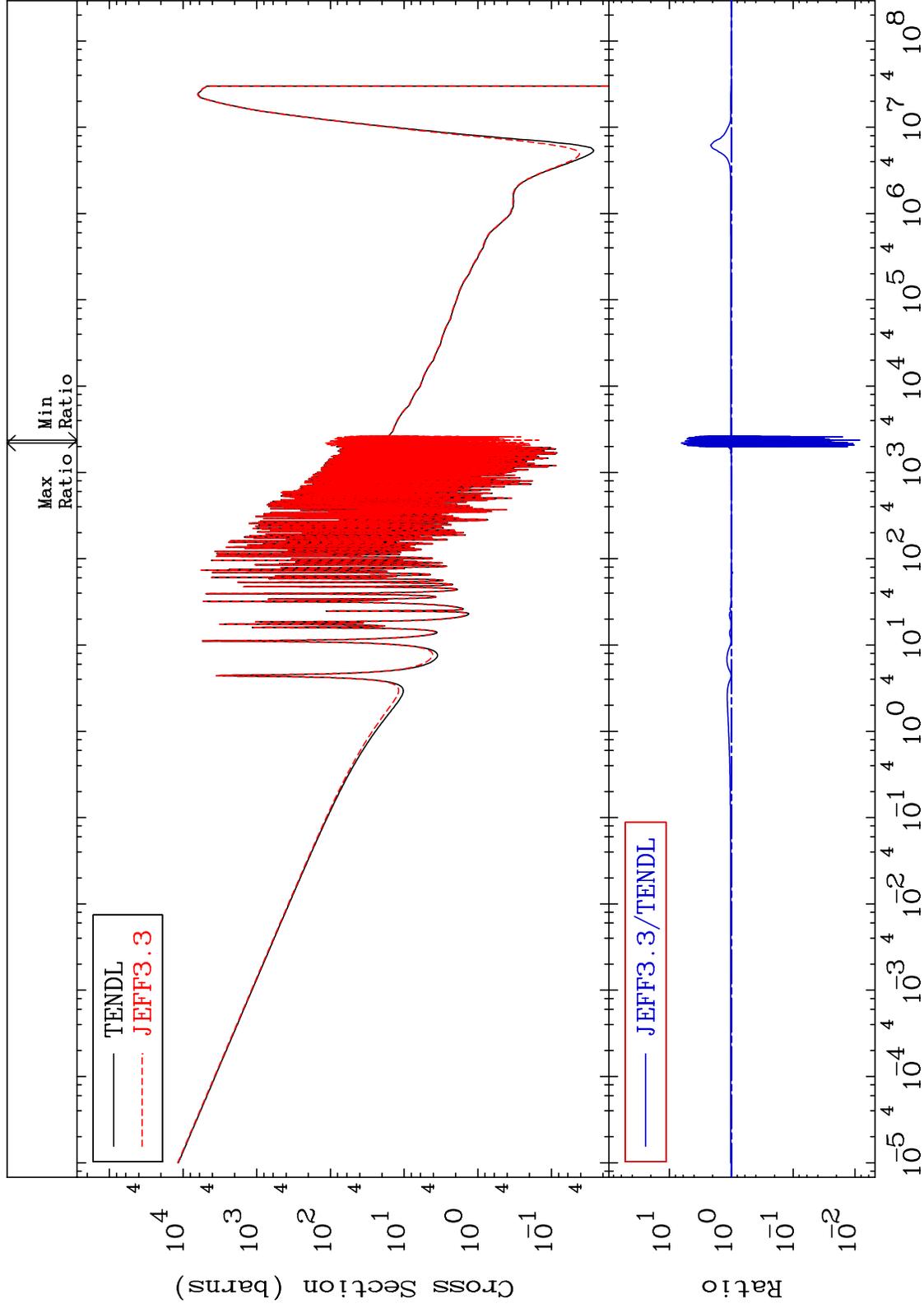


75 75-Re-187

MAT 7531

Dpa disappearance (mt102 -120)
Cross Section

75-Re-187
-99.16 To 544.6 %



76

Incident Energy (eV)

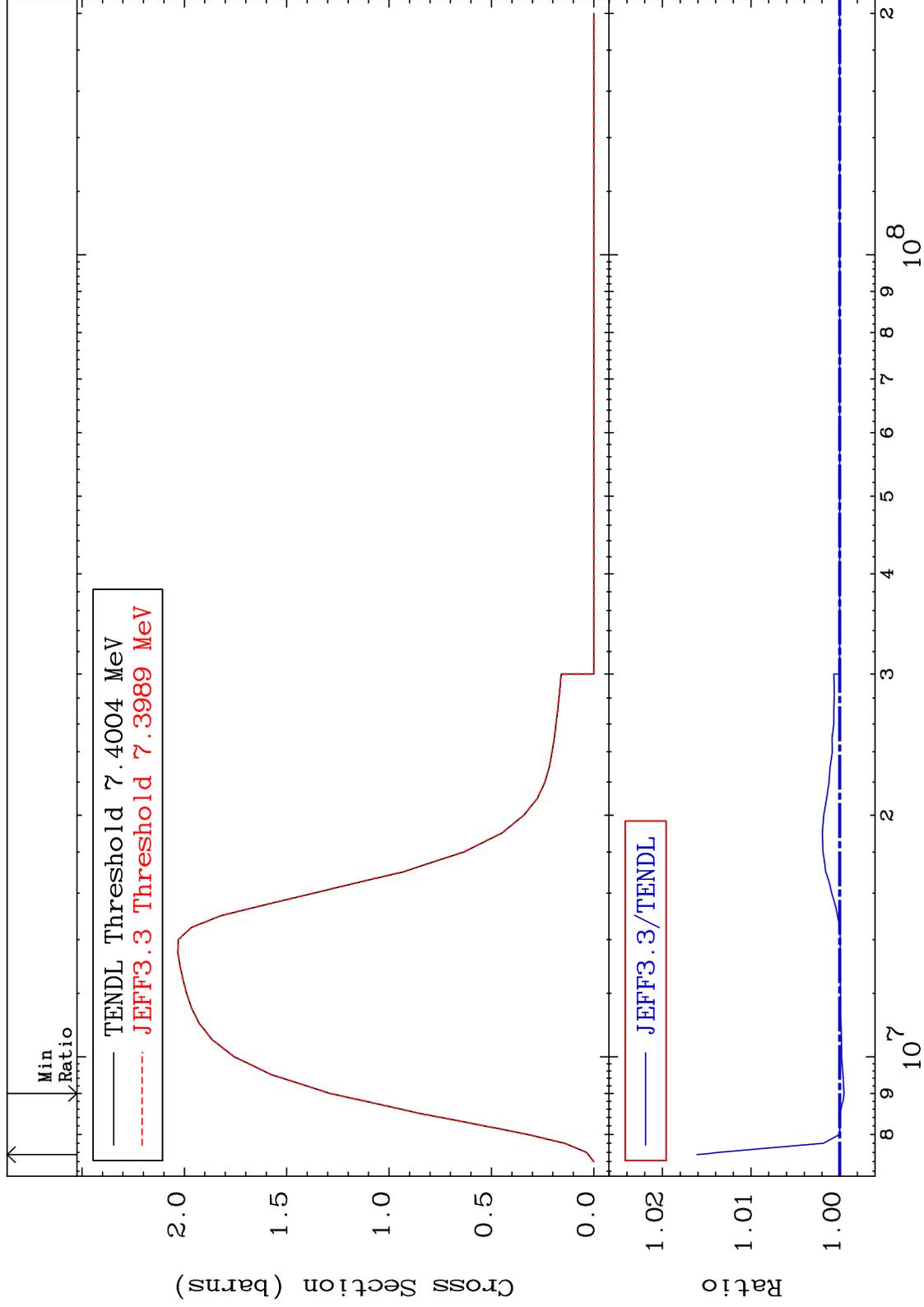
75-Re-187

MAT 7531

(n,2n):75-Re-186g

75-Re-187

Radionuclide Production Cross Section -0.050 To 1.612 %



77

Incident Energy (eV)

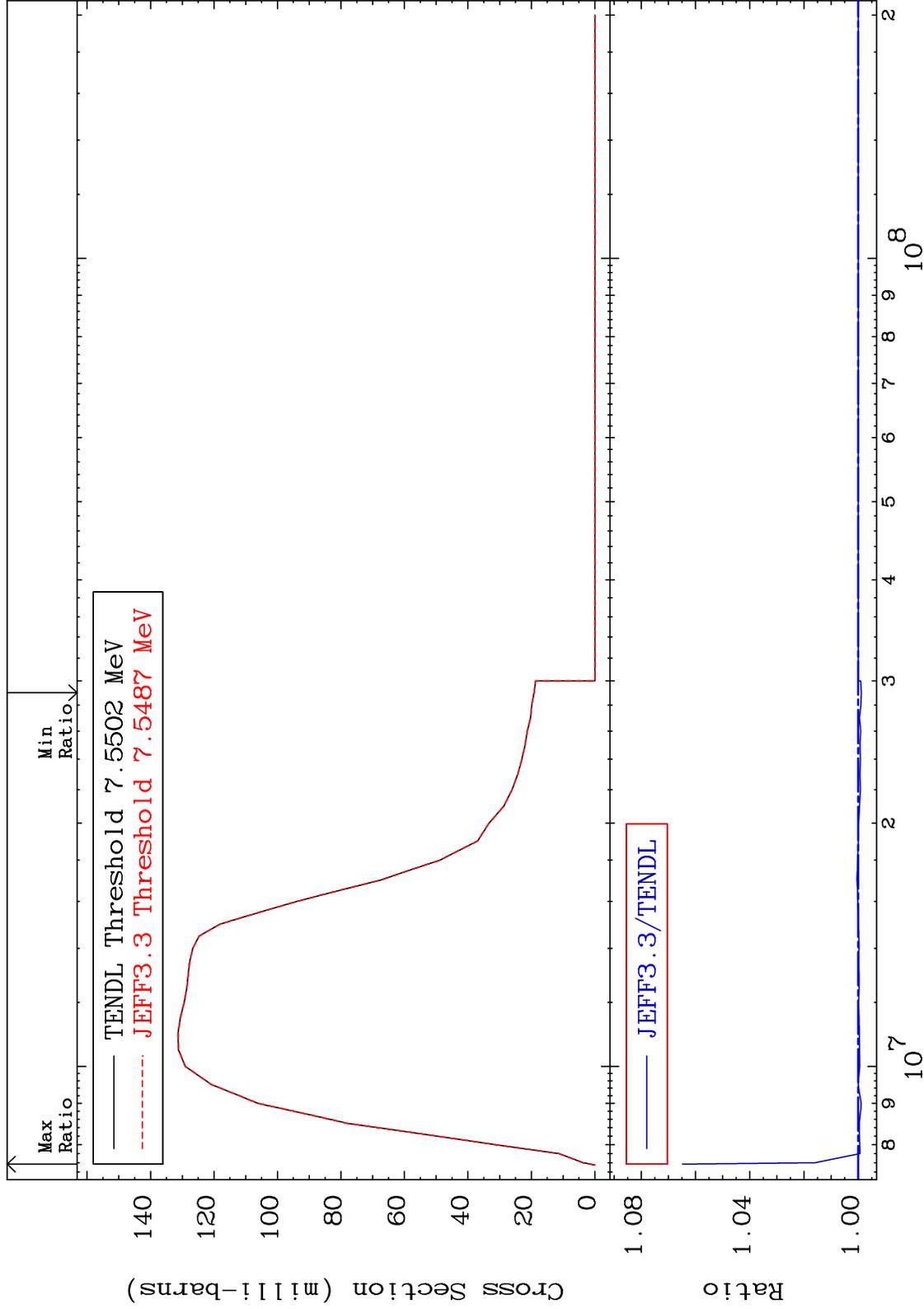
75-Re-187

MAT 7531

(n,2n):75-Re-186m4

75-Re-187

Radionuclide Production Cross Section -0.118 To 6.478 %



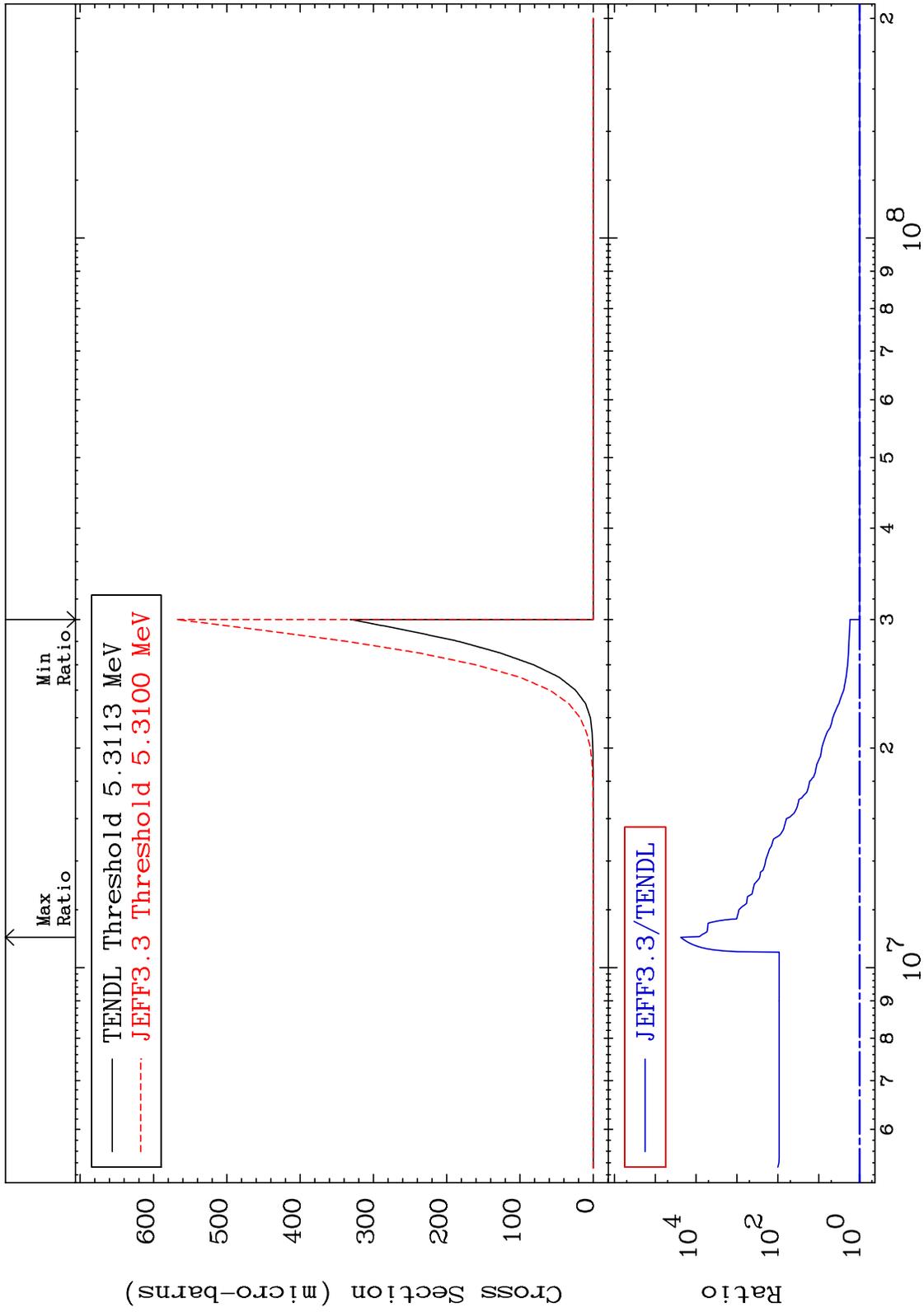
78

Incident Energy (eV)

75-Re-187

MAT 7531

(n,2n) α : 73-Ta-182g 75-Re-187
Radionuclide Production Cross Section 0.000 To 9999. %

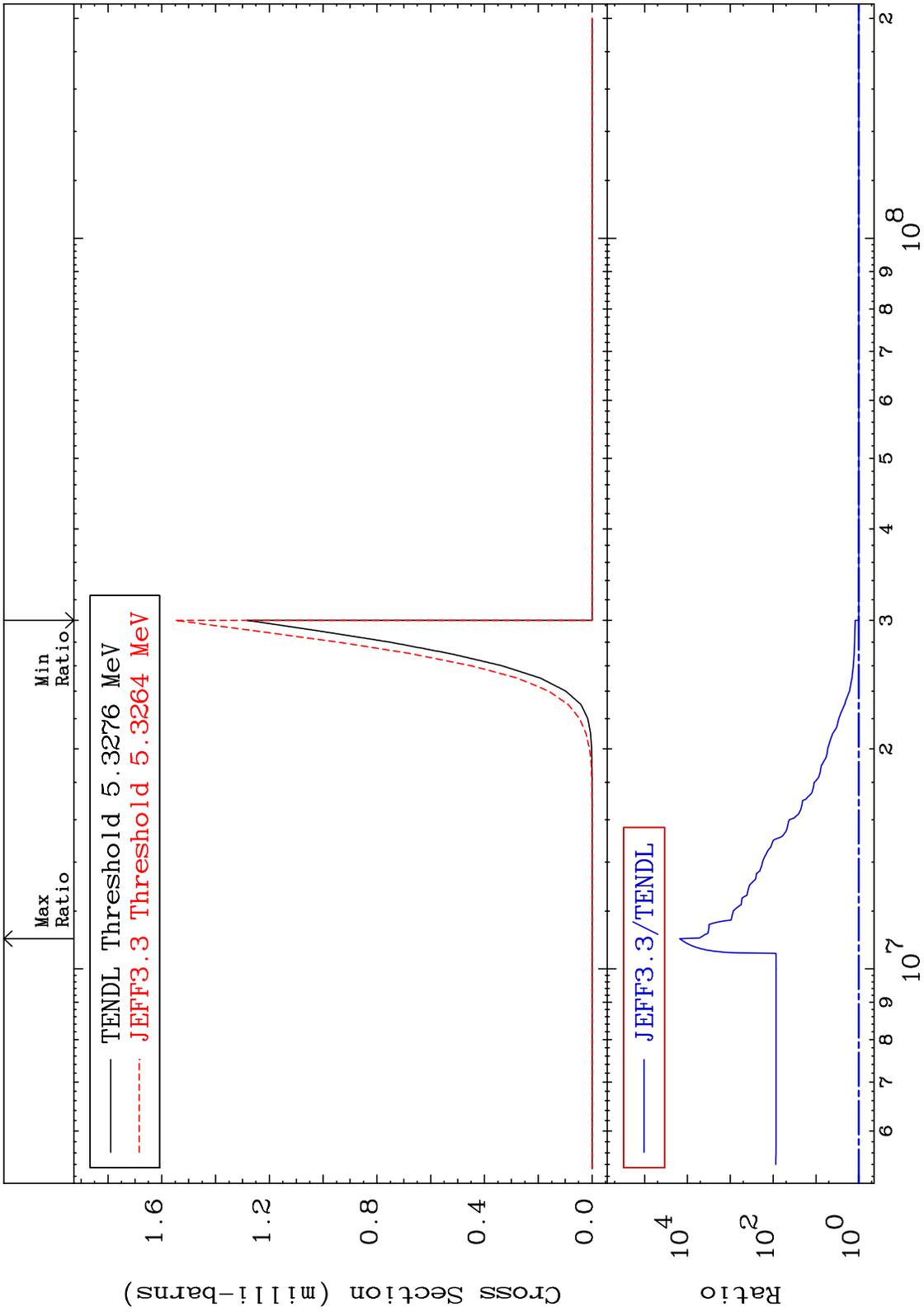


79

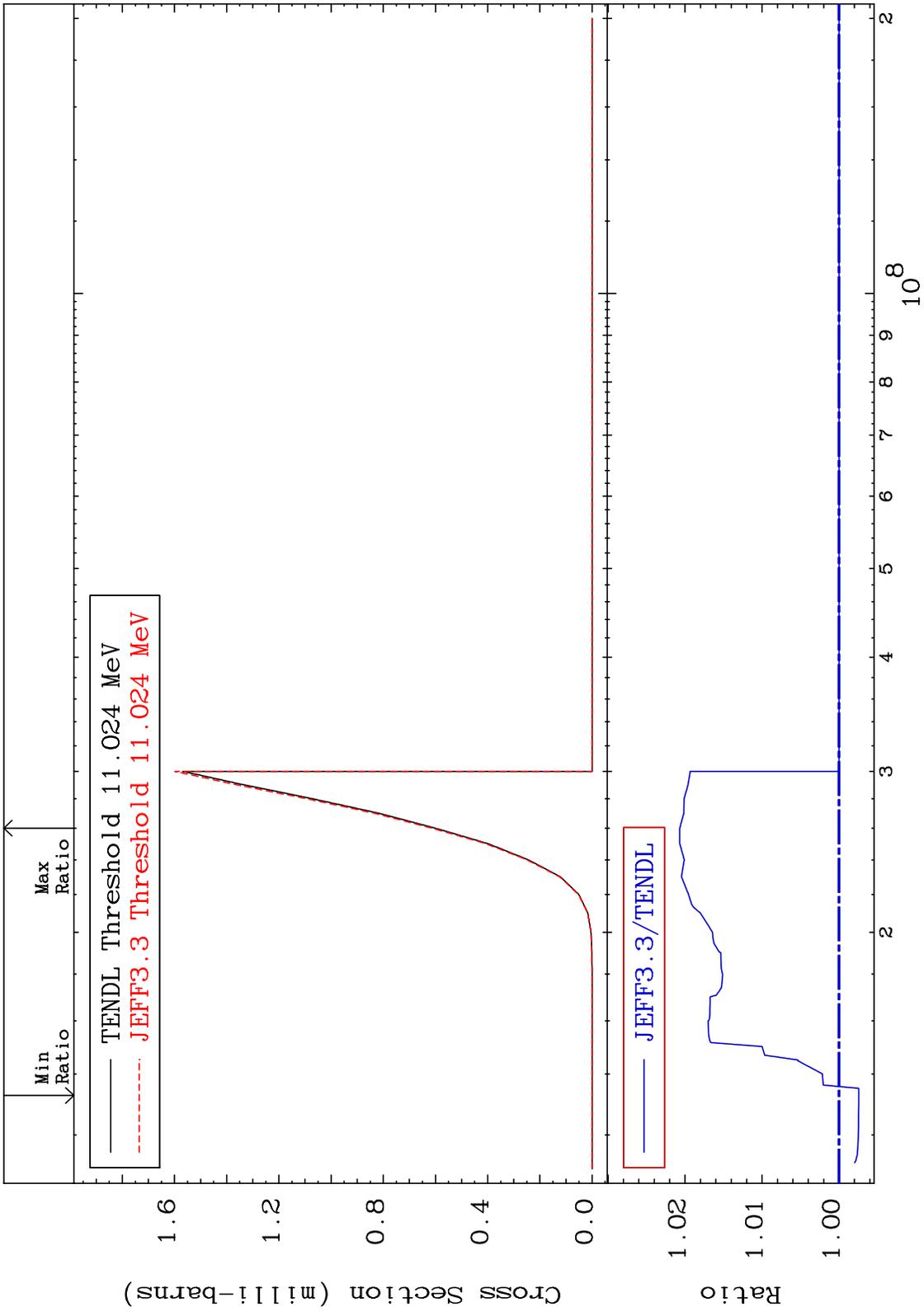
Incident Energy (eV)

75-Re-187

MAT 7531 (n,2n) α : 73-Ta-182m1 75-Re-187
 Radionuclide Production Cross Section 0.000 To 9999. %



MAT 7531 (n,n') d:74-W -185g 75-Re-187
 Radionuclide Production Cross Section -0.257 To 2.069 %

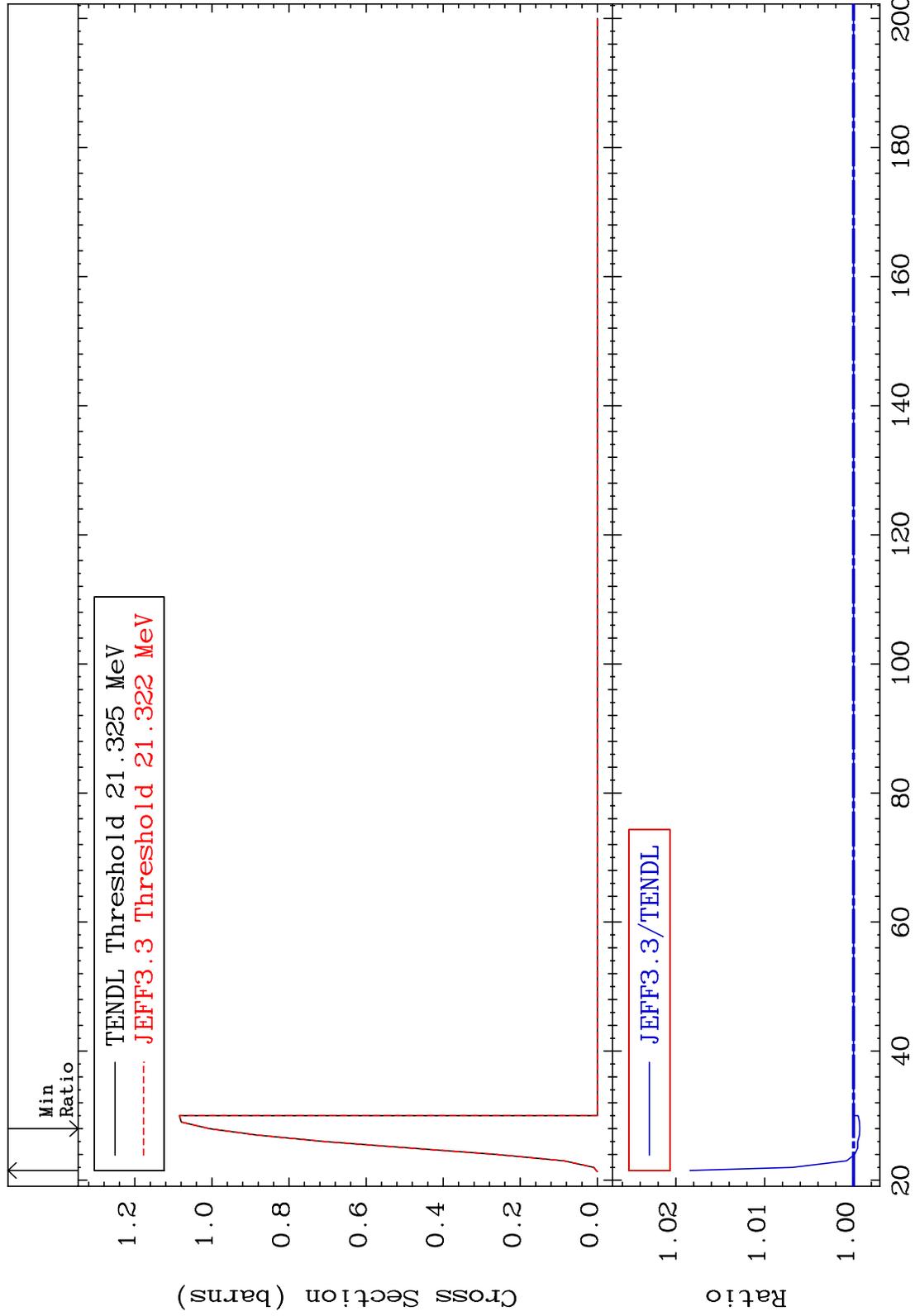


MAT 7531

(n,4n):75-Re-184g

75-Re-187

Radionuclide Production Cross Section -0.068 To 1.840 %

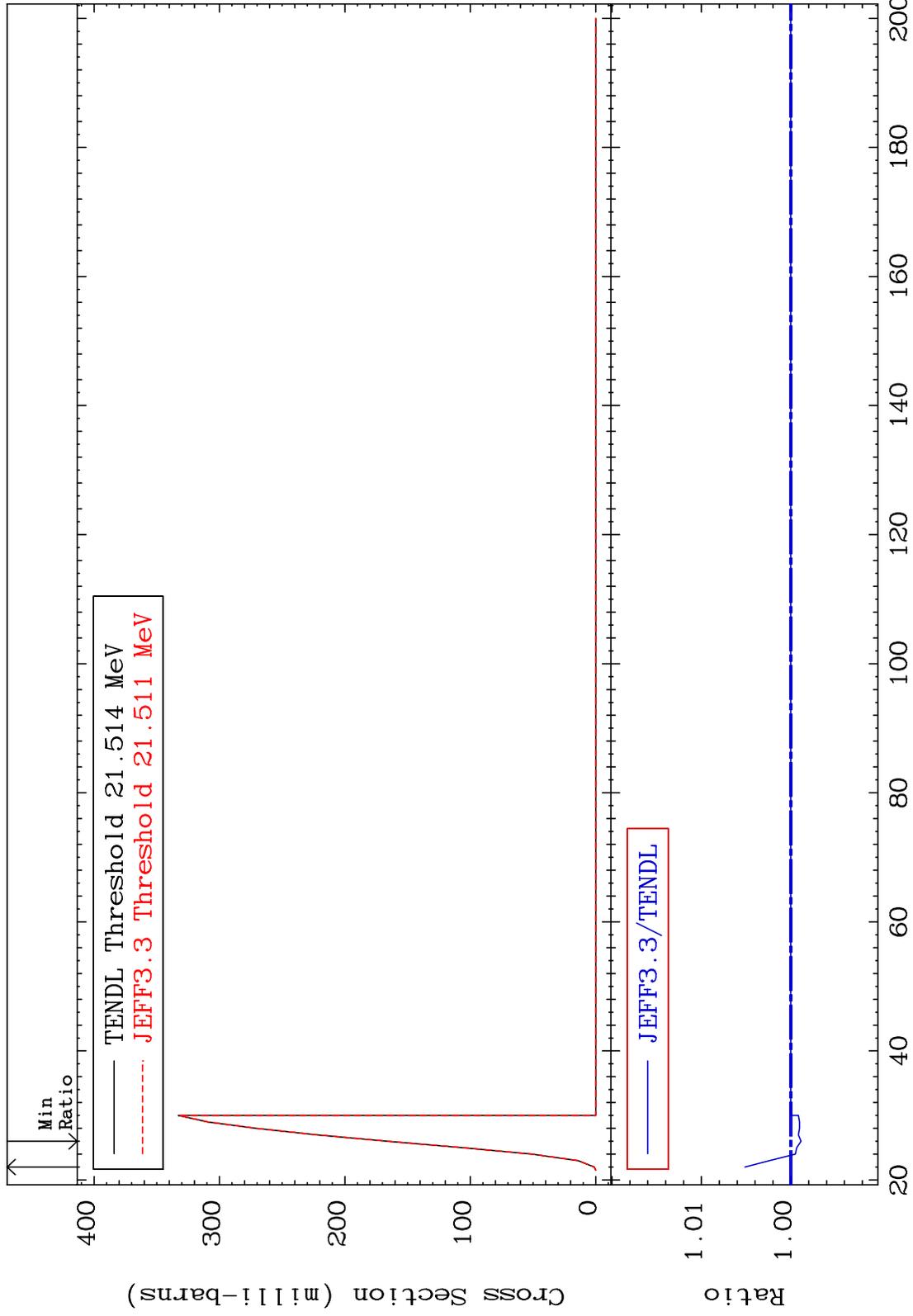


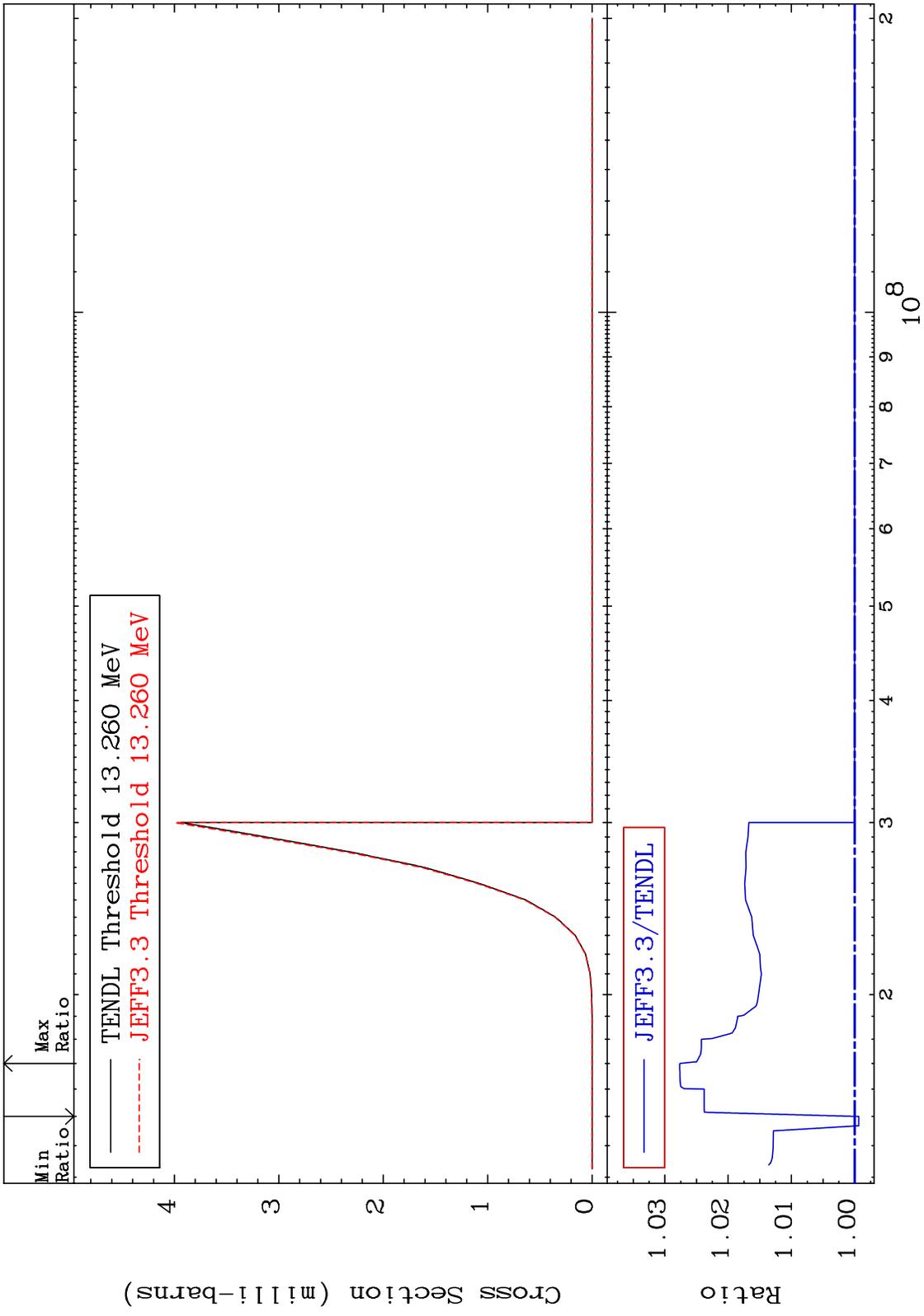
MAT 7531

(n, 4n) : 75-Re-184m5

75-Re-187

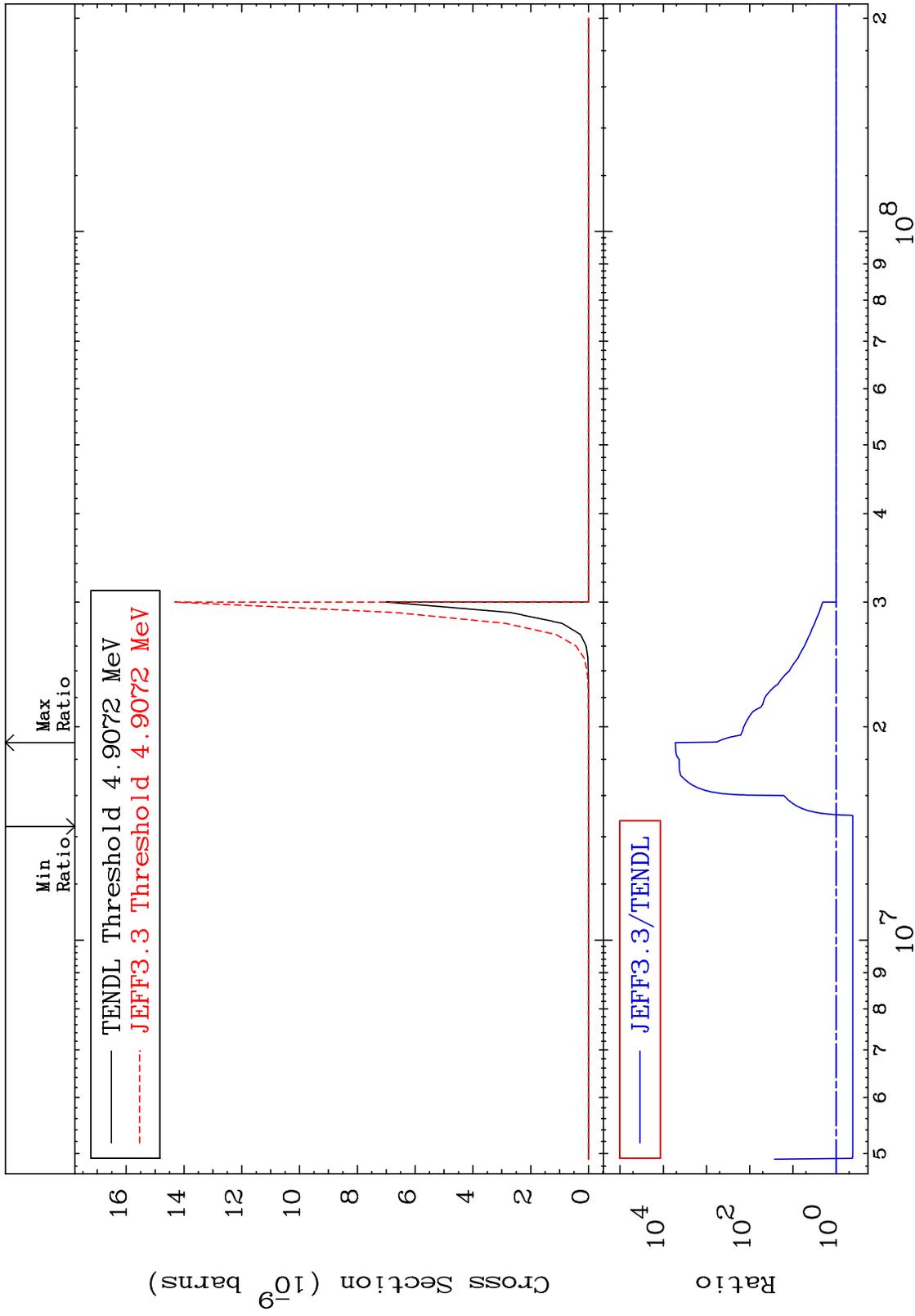
Radionuclide Production Cross Section -0.115 To 0.513 %





MAT 7531

(n,n') p α:72-Hf-182g 75-Re-187
Radionuclide Production Cross Section -58.81 To 9999. %



85

Incident Energy (eV)

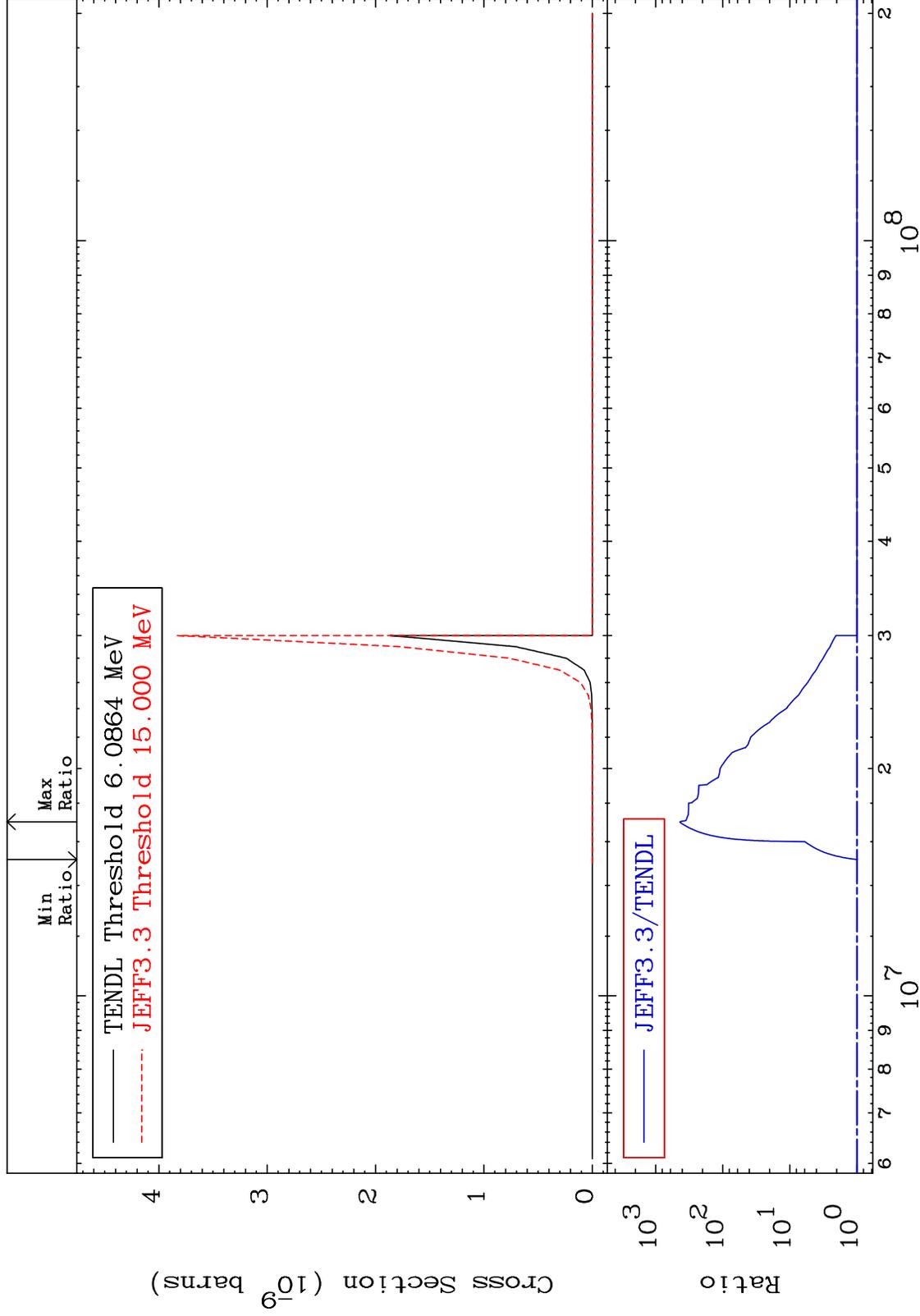
75-Re-187

MAT 7531

(n,n') p α : 72-Hf-182m9

75-Re-187

Radionuclide Production Cross Section -2.491 To 9999. %



MAT 7531 (n,t):74-W-185g 75-Re-187
 Radionuclide Production Cross Section 0.000 To 2.672 %

