

Program Complot
(Version 2018-1)

by

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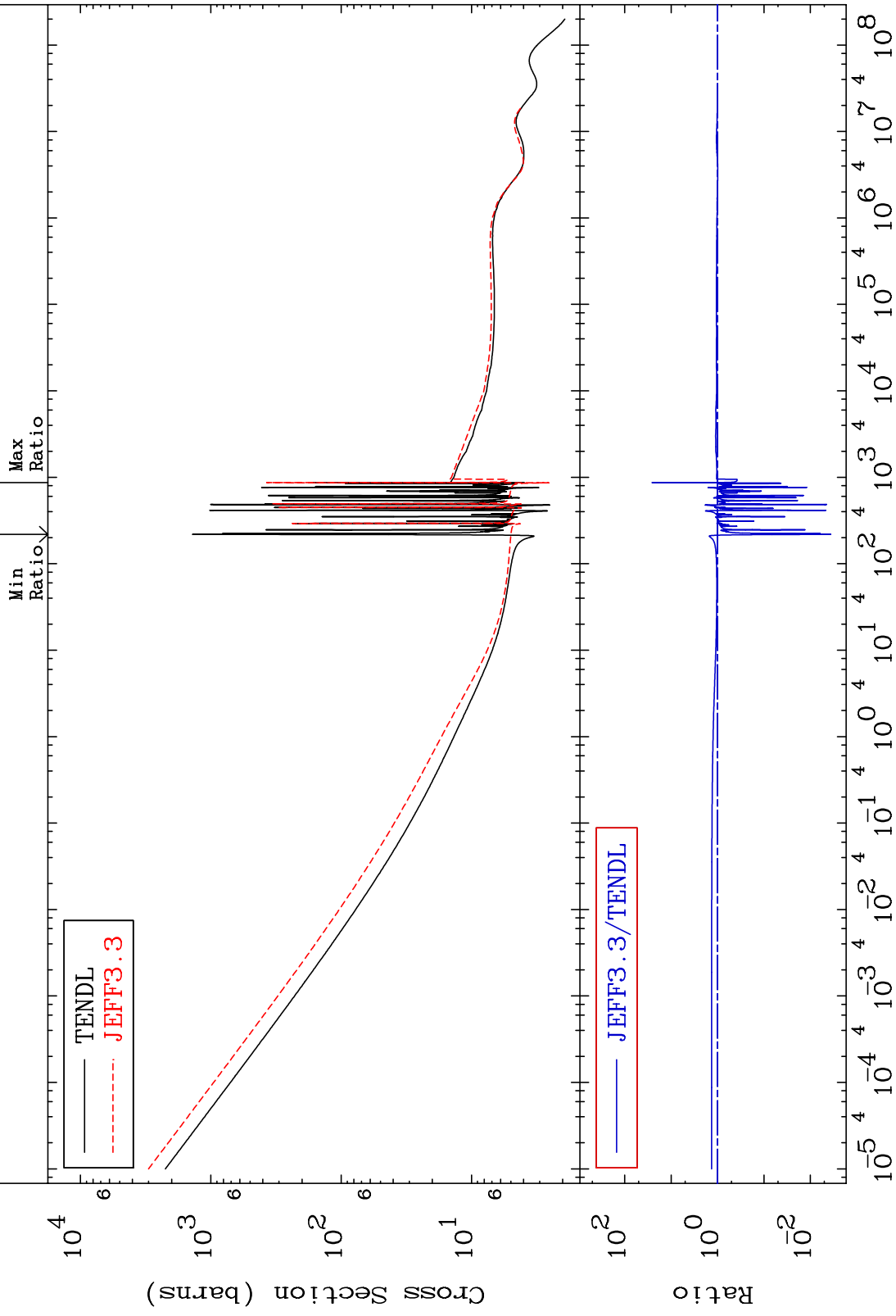
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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5034 50-Sn-115 -99.64 To 2447. %

Total Cross Section

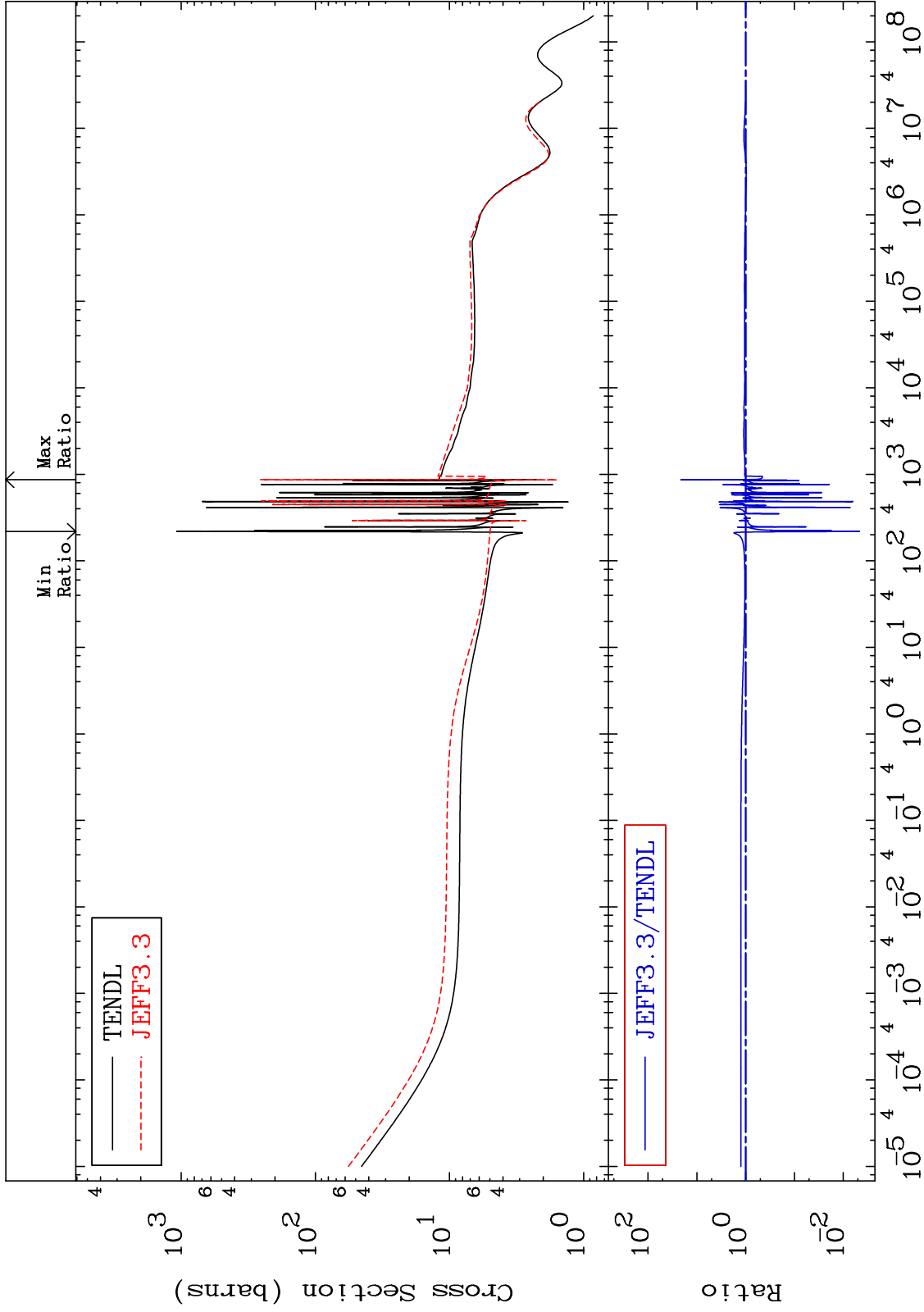


50-Sn-115

MAT 5034

Elastic
Cross Section

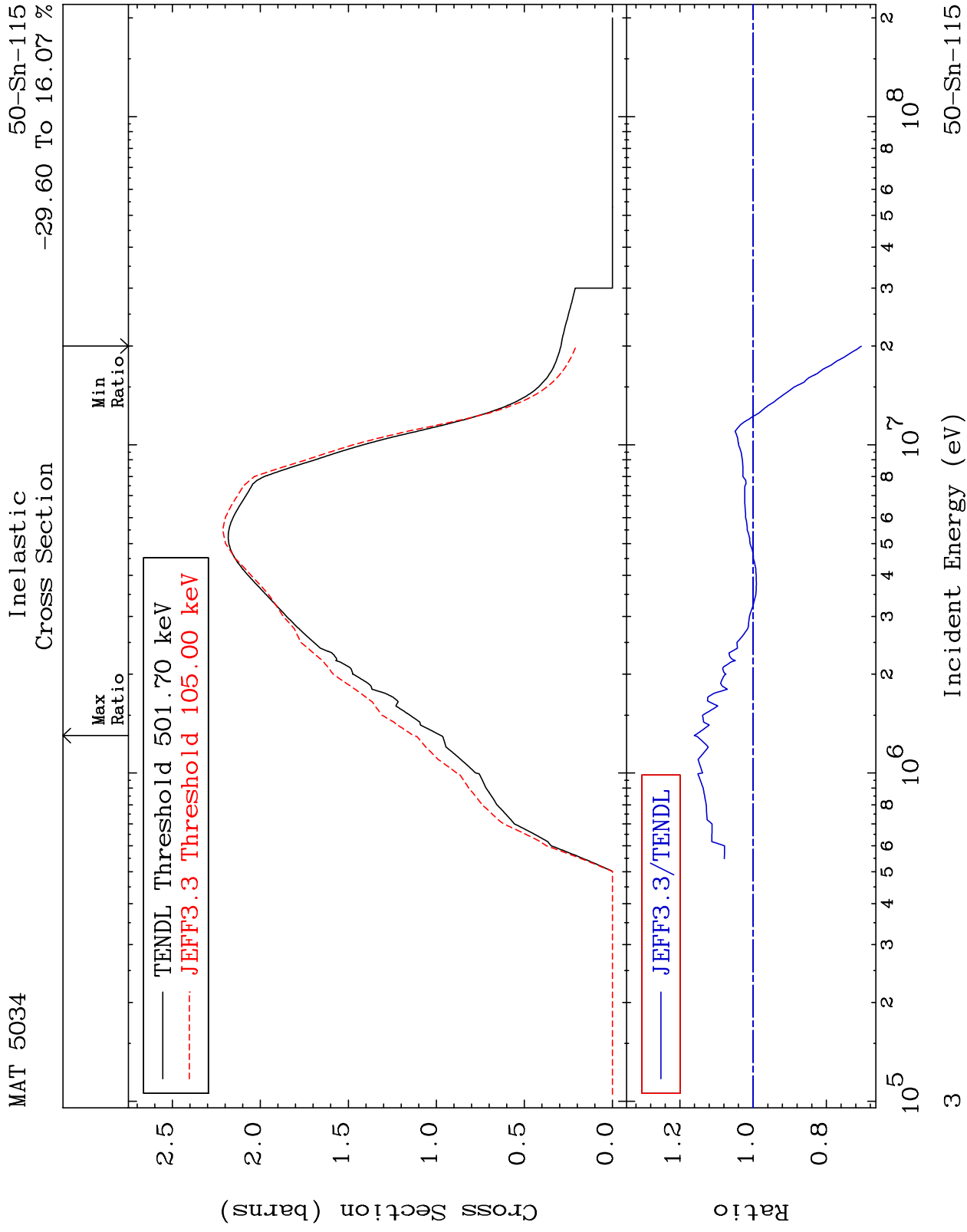
50-Sn-115
-99.54 To 2028. %



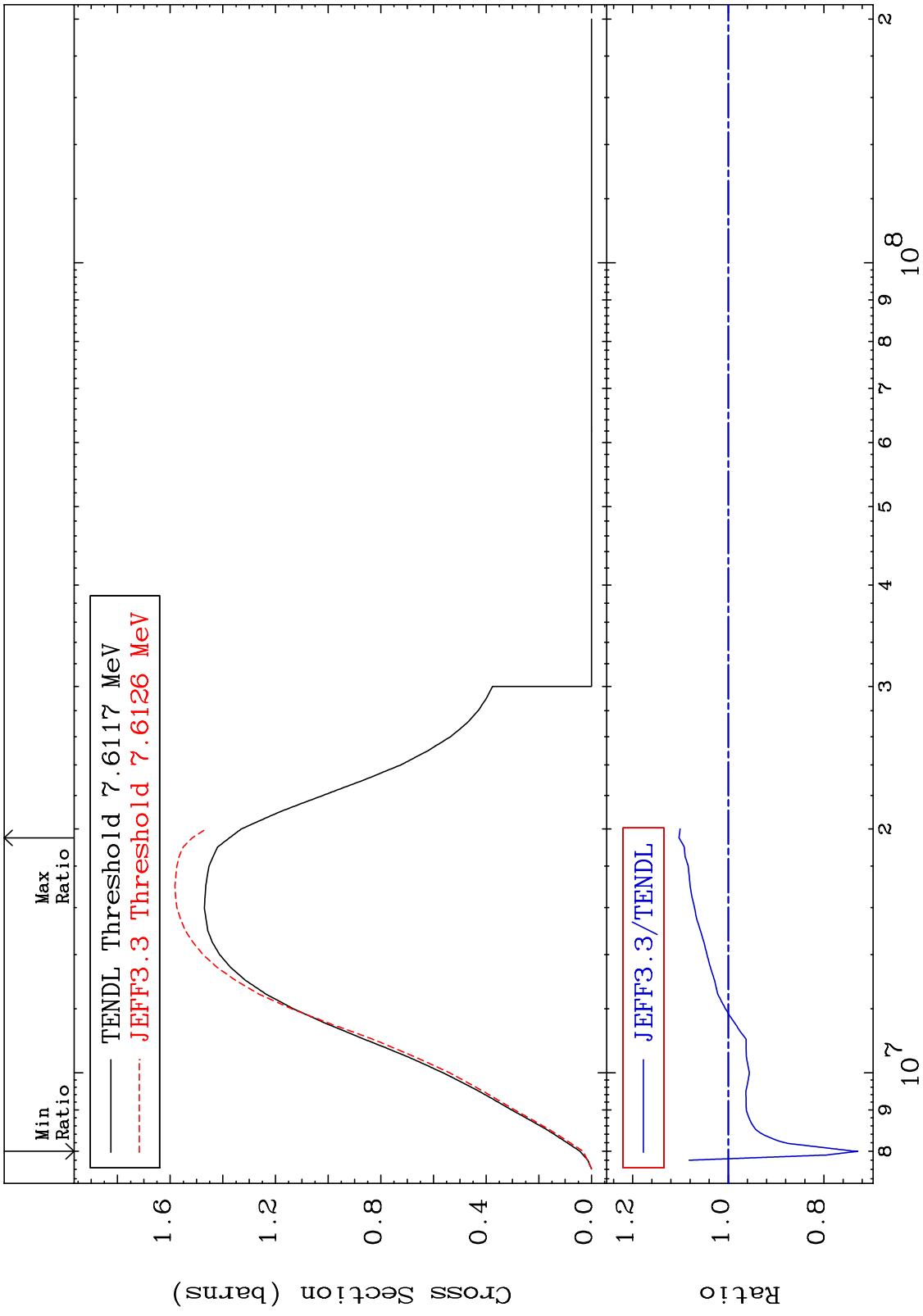
2

Incident Energy (eV)

50-Sn-115



MAT 5034 (n,2n) Cross Section 50-Sn-115 -27.08 To 10.30 %



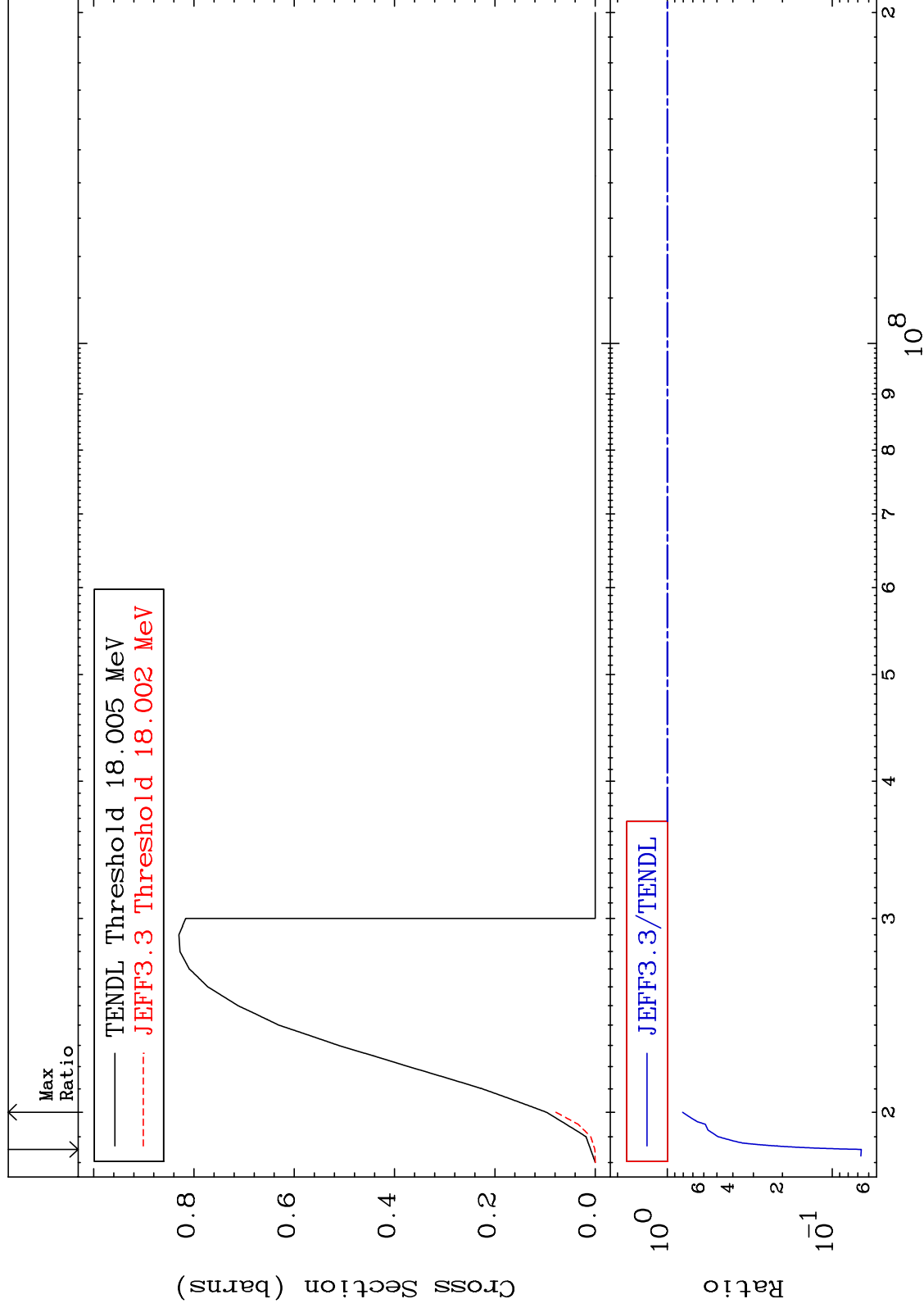
MAT 5034

(n,3n)

50-Sn-115

Cross Section

-93.34 To -19.38%

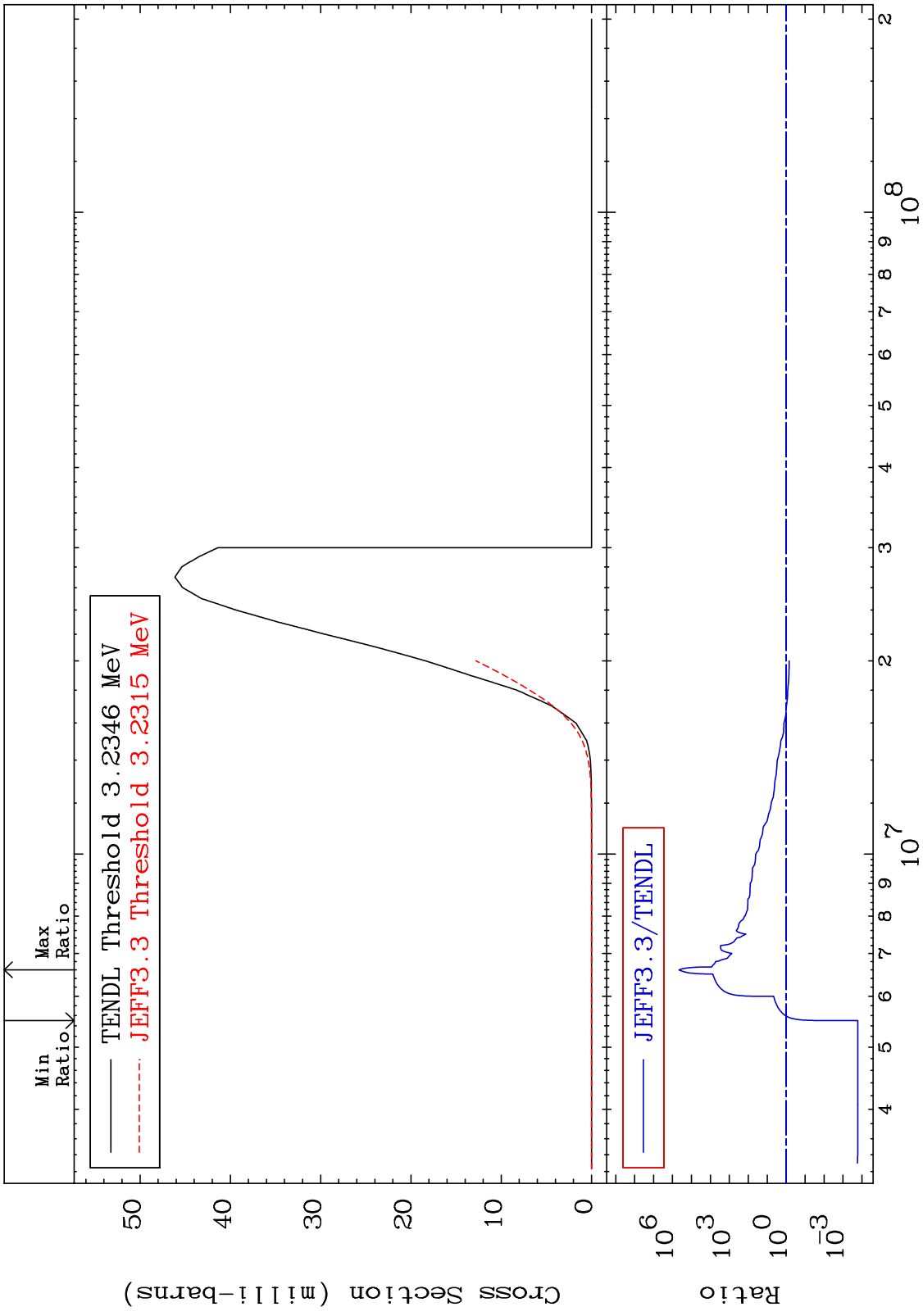


5

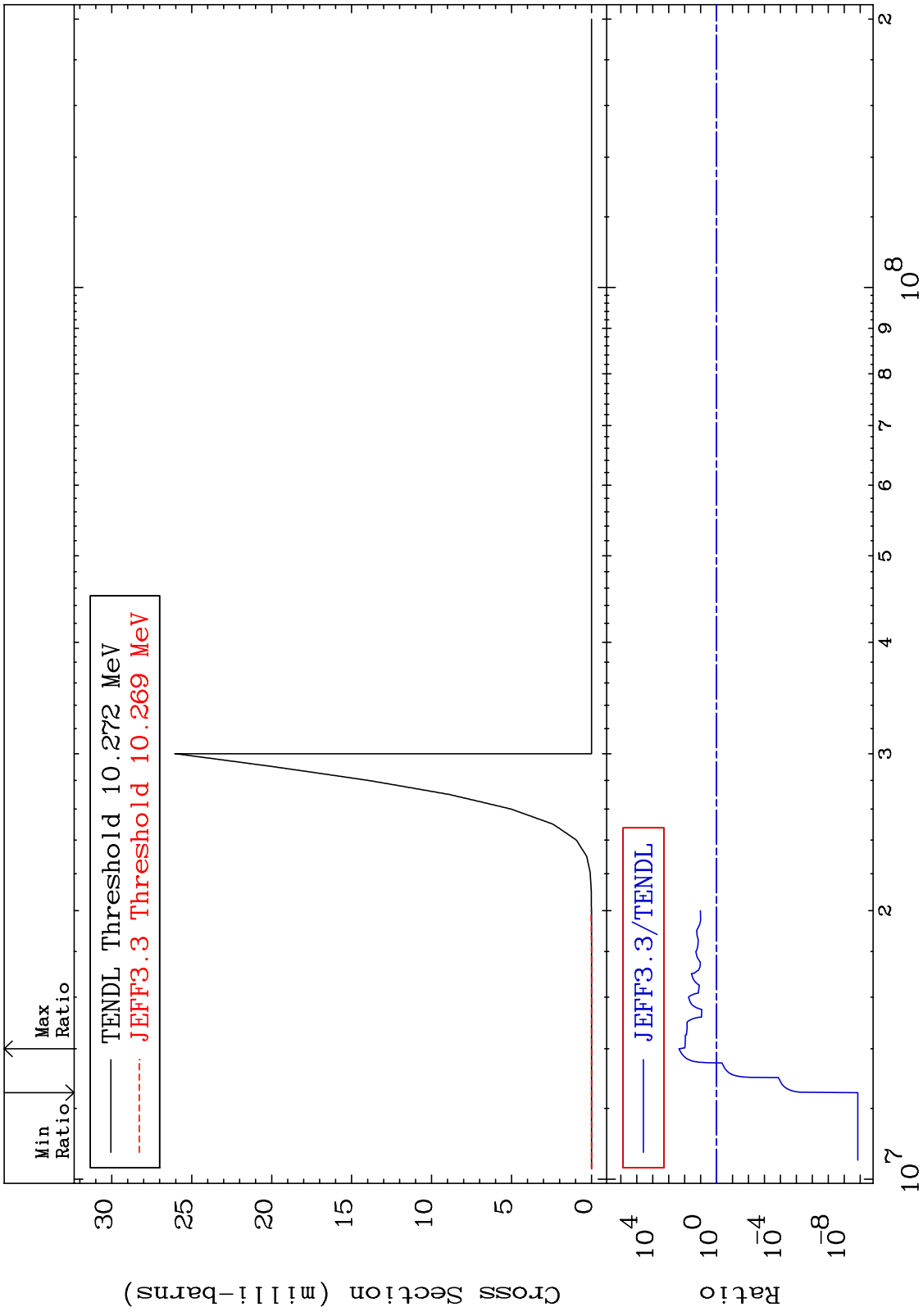
Incident Energy (eV)

50-Sn-115

MAT 5034 $(n, n') \alpha$ 50-Sn-115
 Cross Section -99.98 To 9999. %

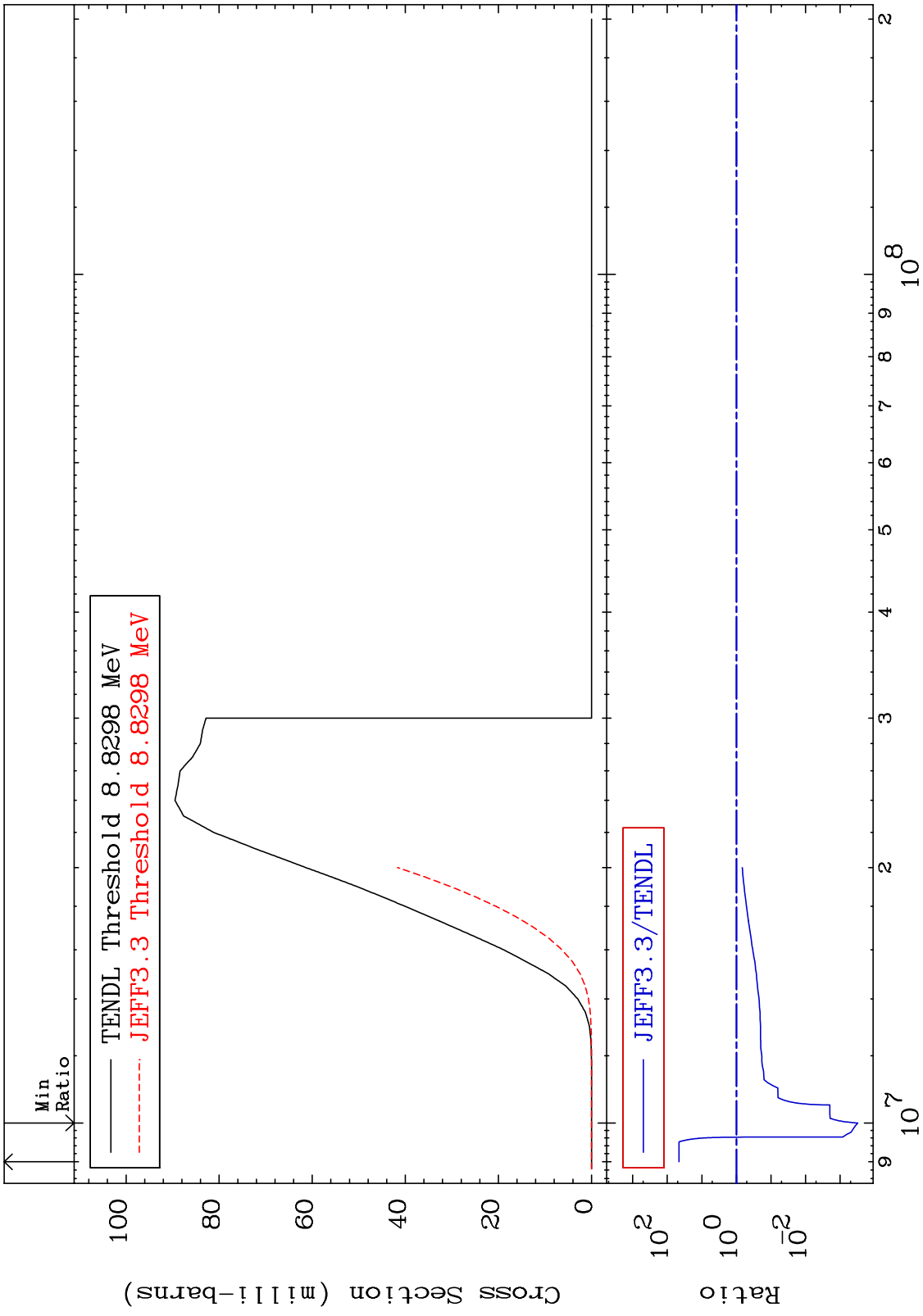


MAT 5034 (n,2n) α 50-Sn-115
 Cross Section -100.0 To 9999. %



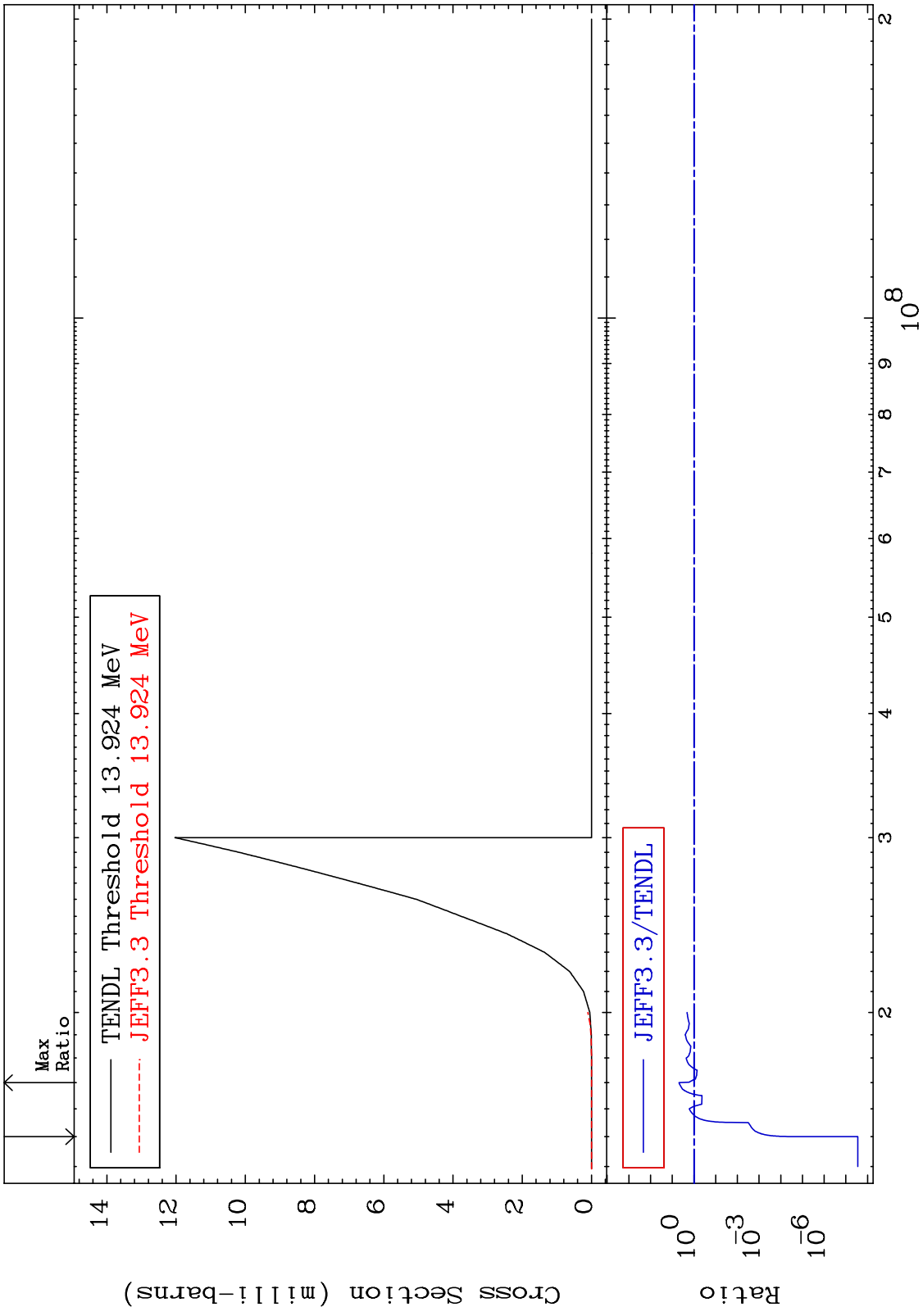
7 10⁷ 10⁸ 2
 50-Sn-115

MAT 5034 (n,n') p 50-Sn-115
Cross Section -99.97 To 4466. %



8 9 10⁷ 2 3 4 5 6 7 8 9 10⁸ 2 50-Sn-115

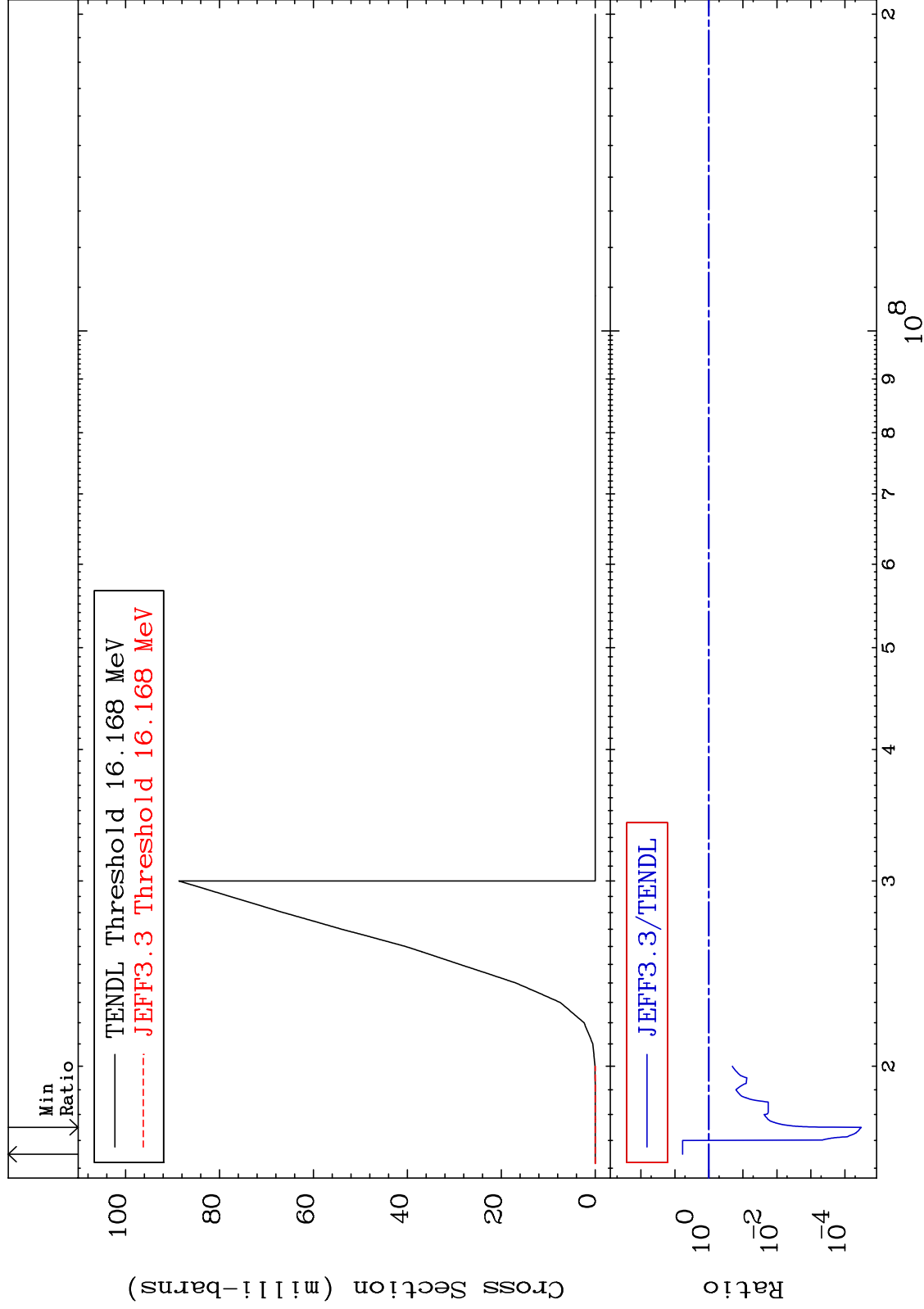
MAT 5034 (n, n') d 50-Sn-115
 Cross Section -100.0 To 386.8 %



MAT 5034

(n,2n) p
Cross Section

50-Sn-115
-100.0 To 489.6 %

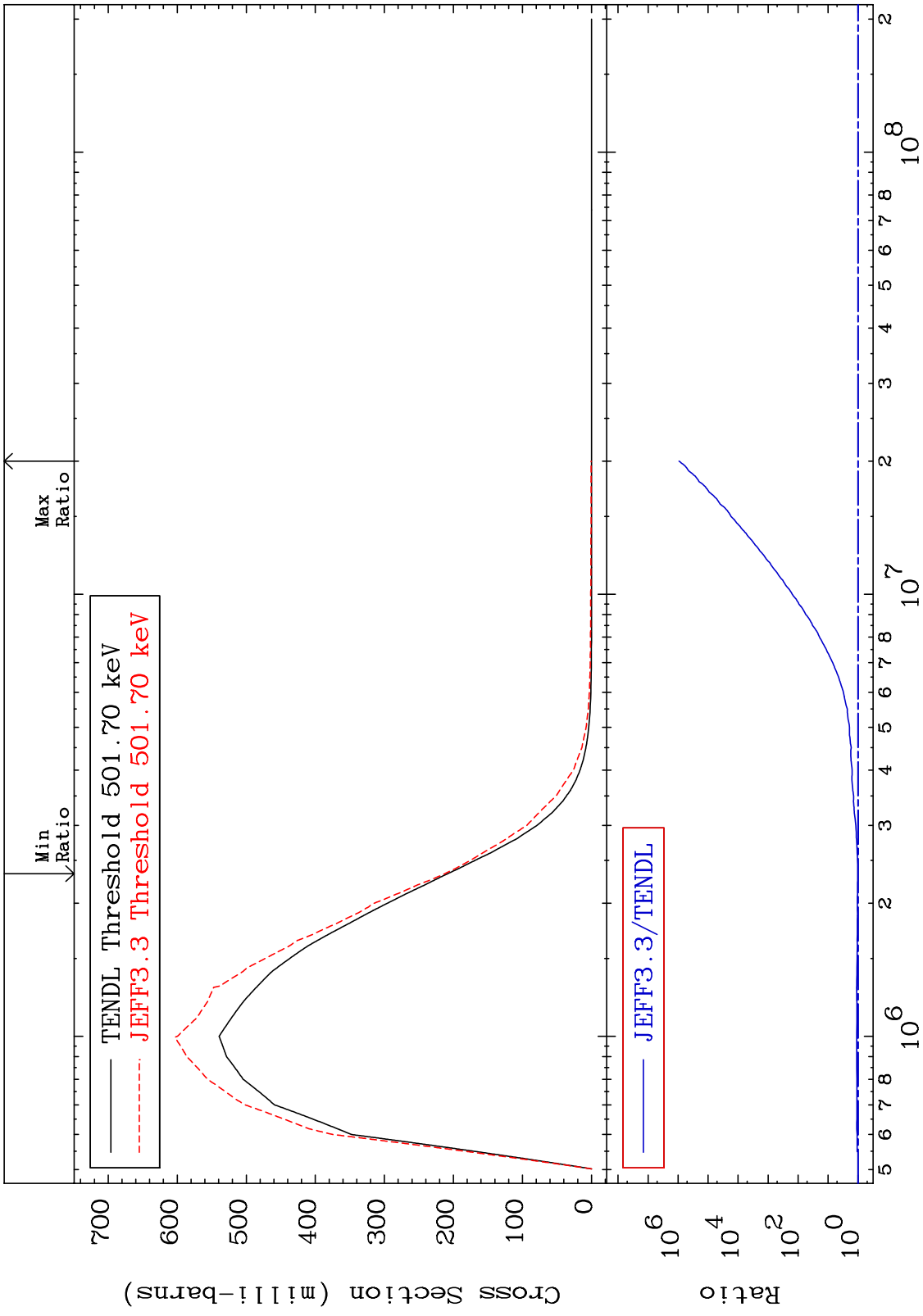


10

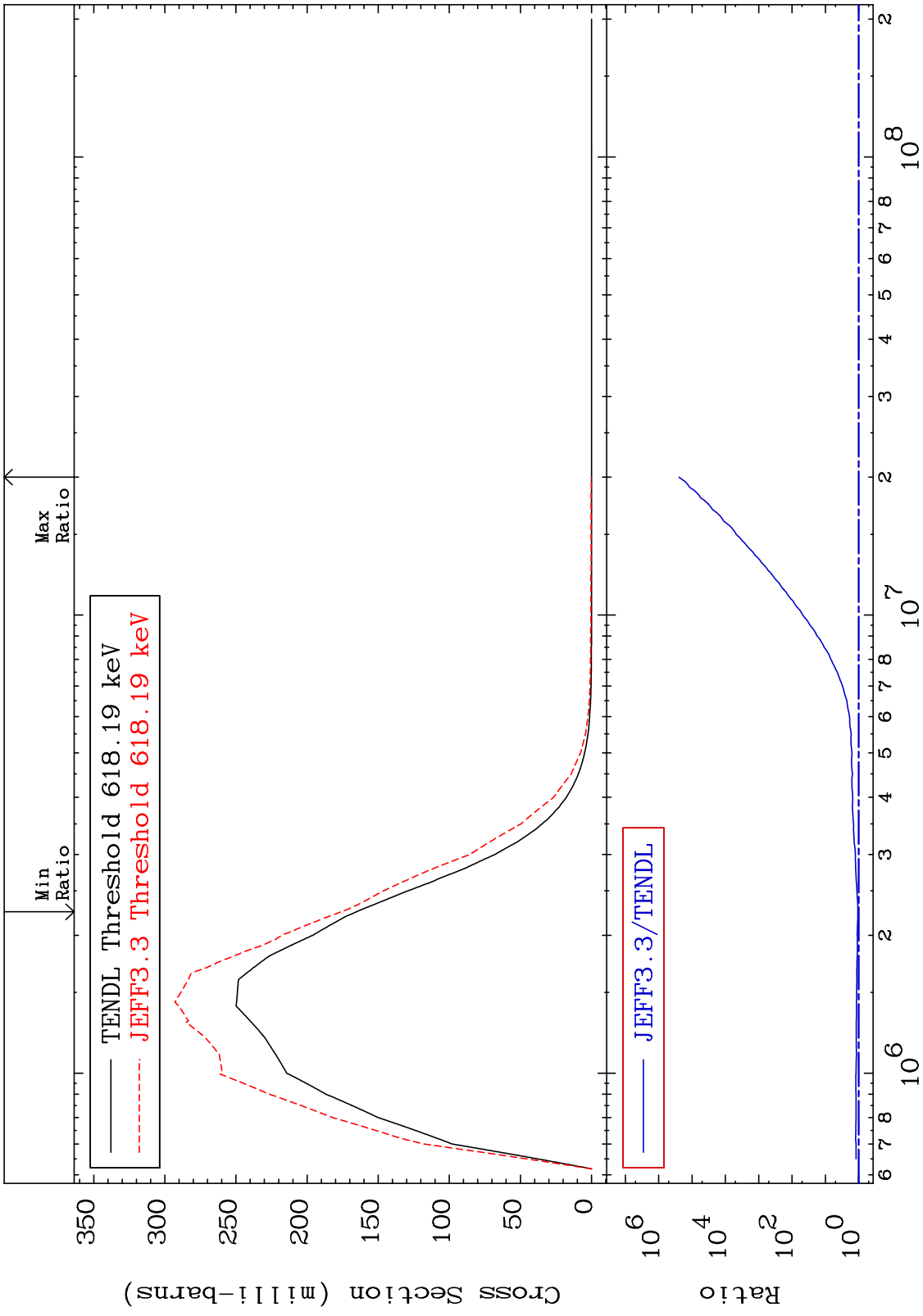
Incident Energy (eV)

50-Sn-115

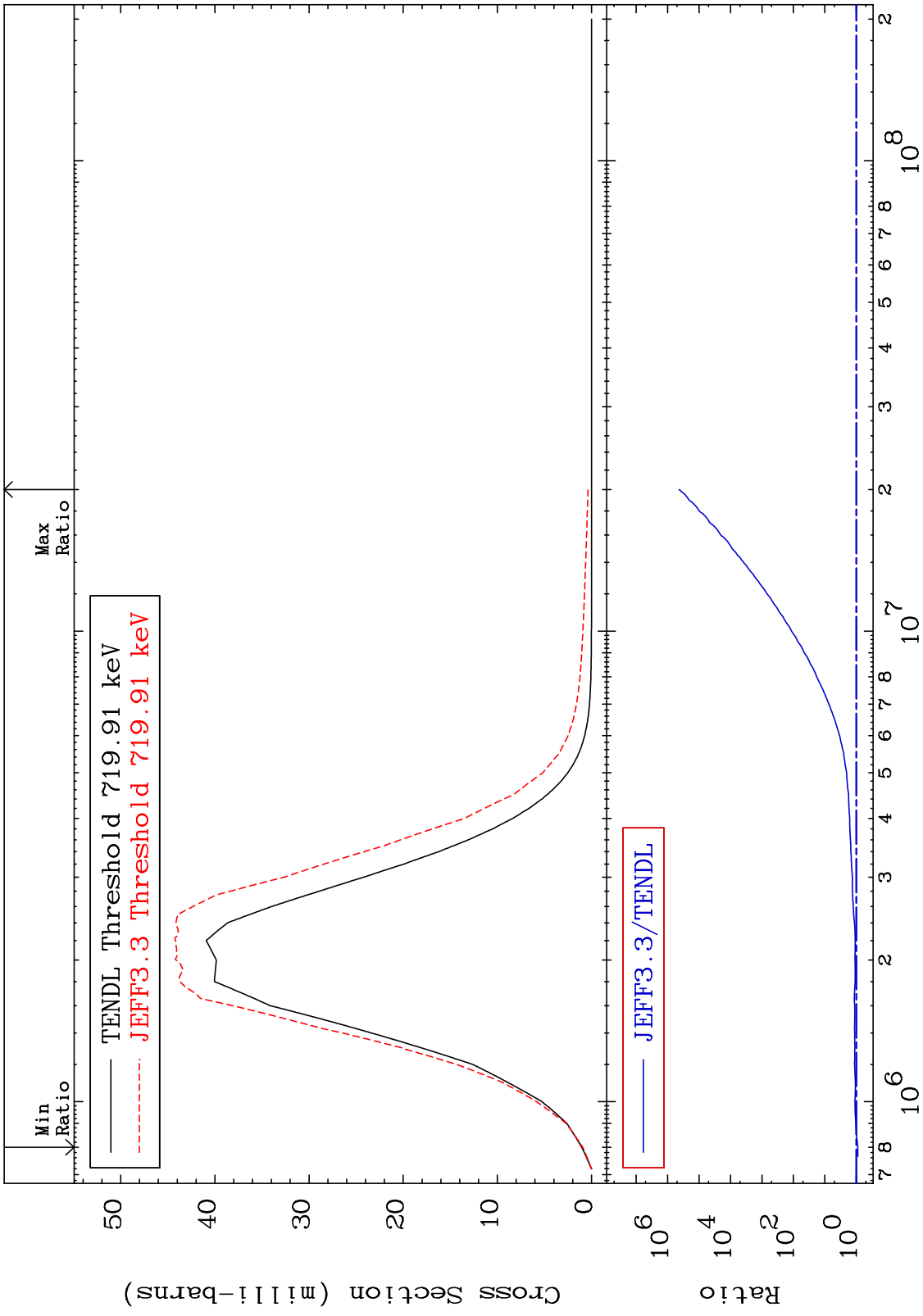
MAT 5034 MT= 51 (n,n') Level Cross Section 50-Sn-115 2.034 To 9999. %



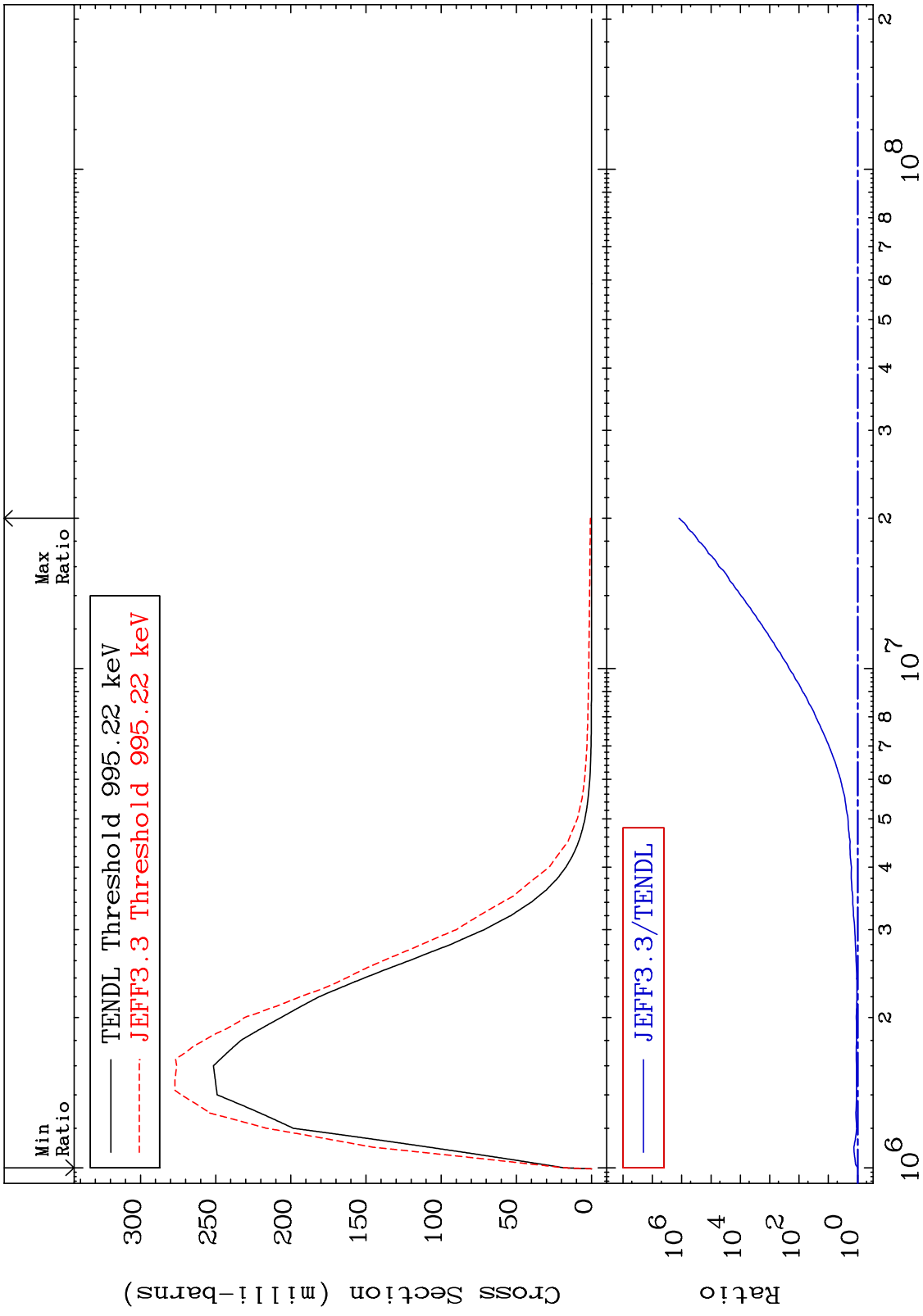
MAT 5034 MT= 52 (n,n') Level Cross Section 50-Sn-115 To 9999. %
 6.451



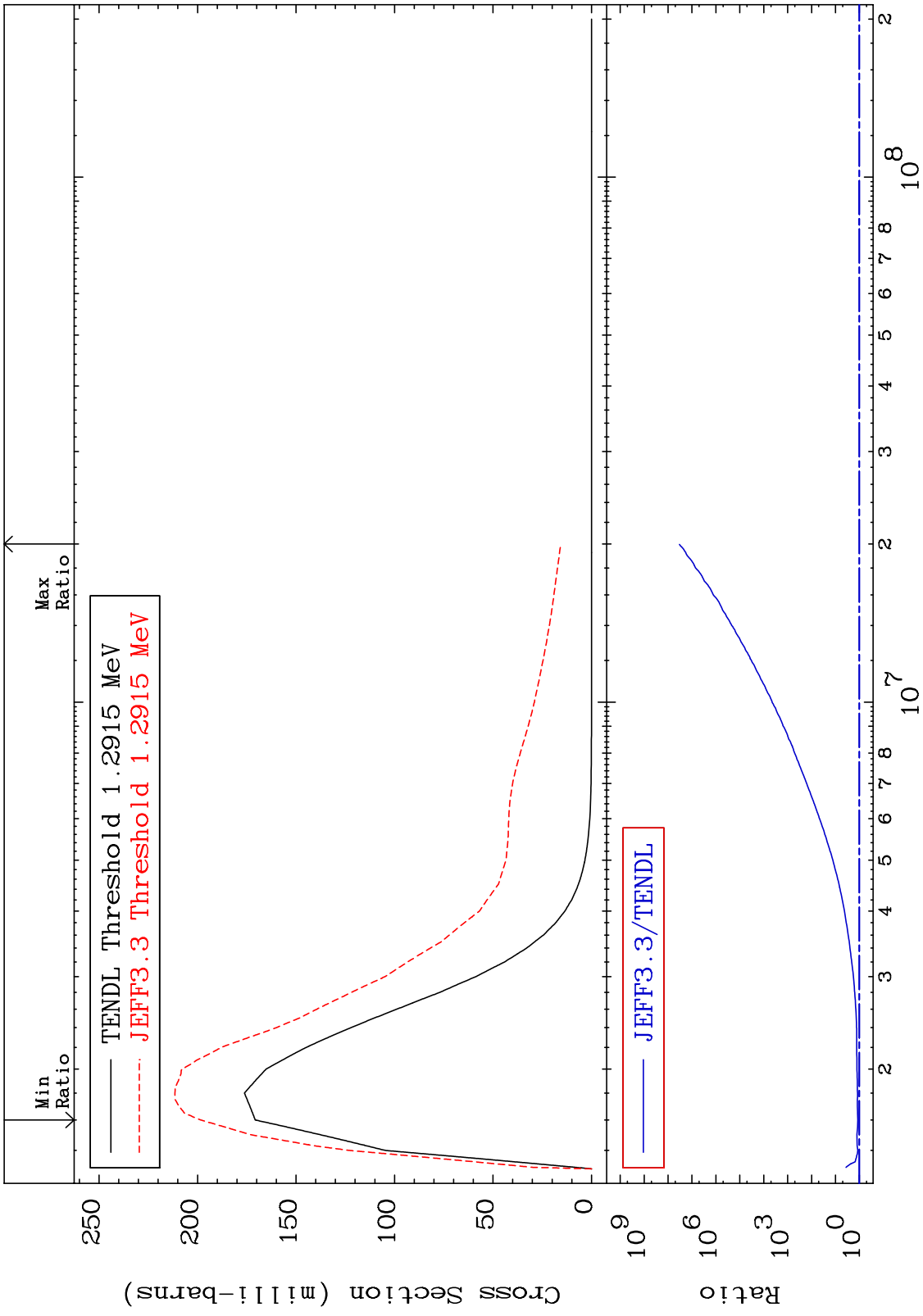
MAT 5034 MT= 53 (n,n') Level Cross Section 50-Sn-115
 -10.54 To 9999. %



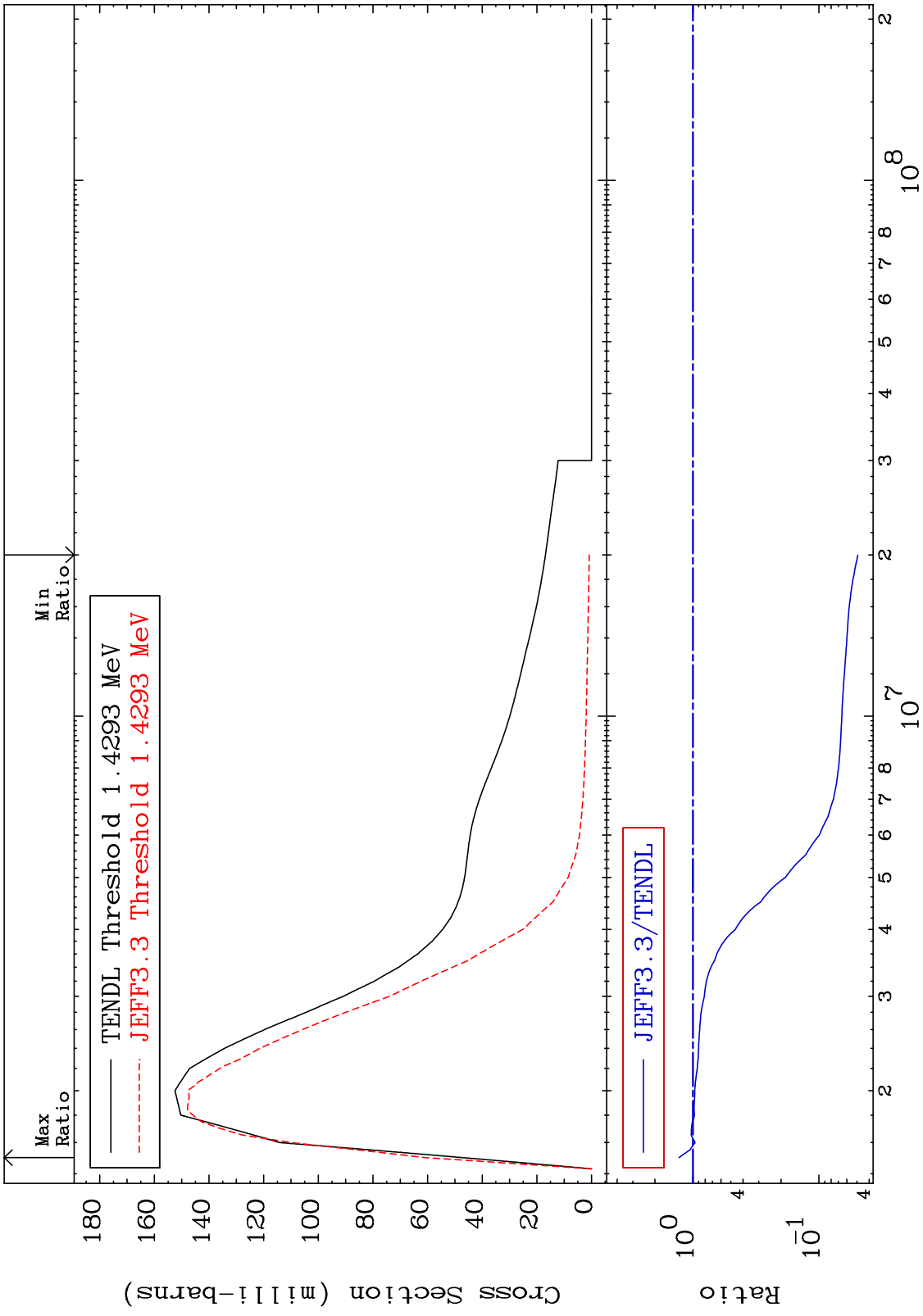
MAT 5034 MT= 54 (n, n') Level Cross Section 50-Sn-115
 -0.845 To 9999. %



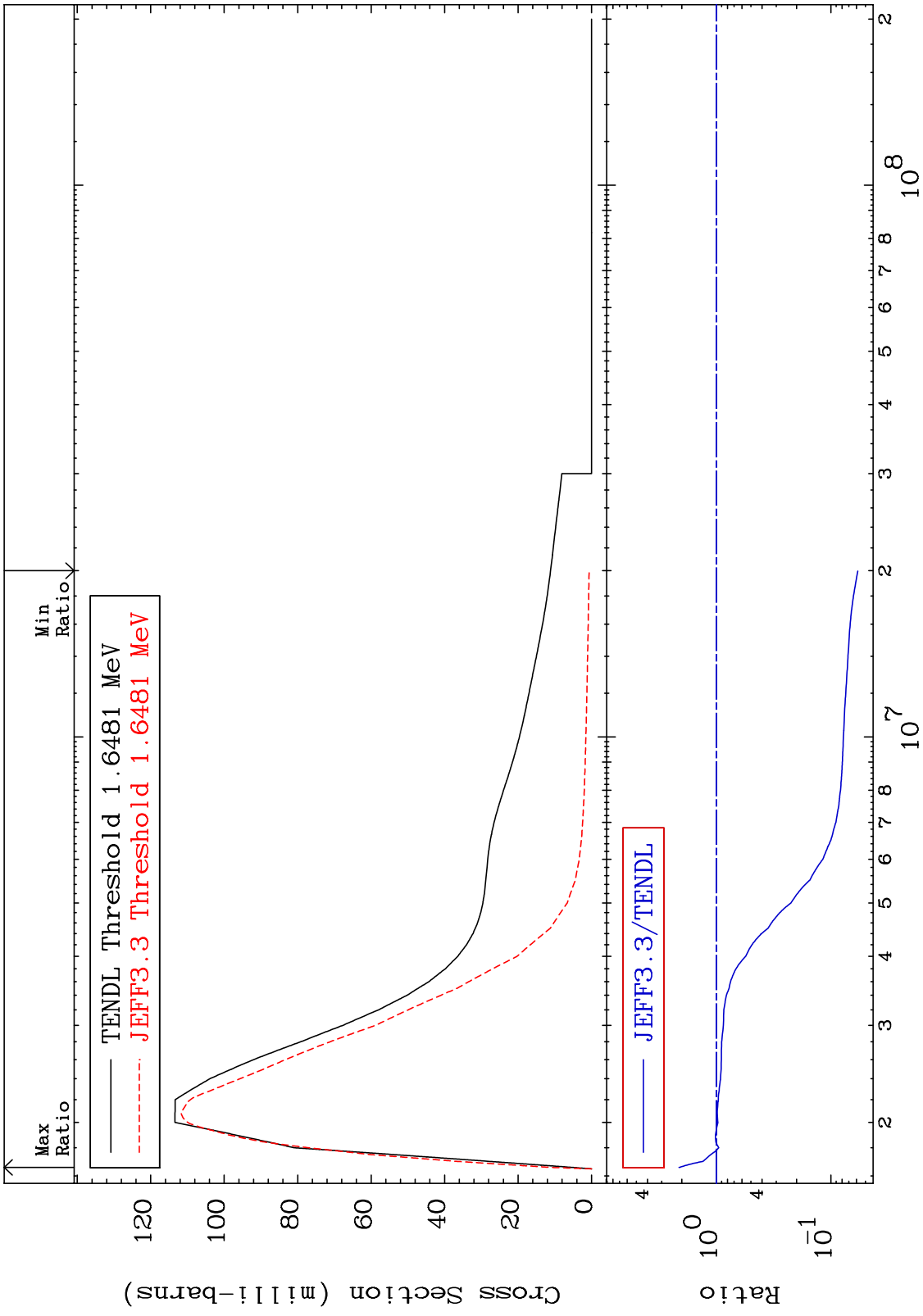
MAT 5034 MT= 55 (n,n') Level Cross Section 50-Sn-115 To 9999. %
 16.22



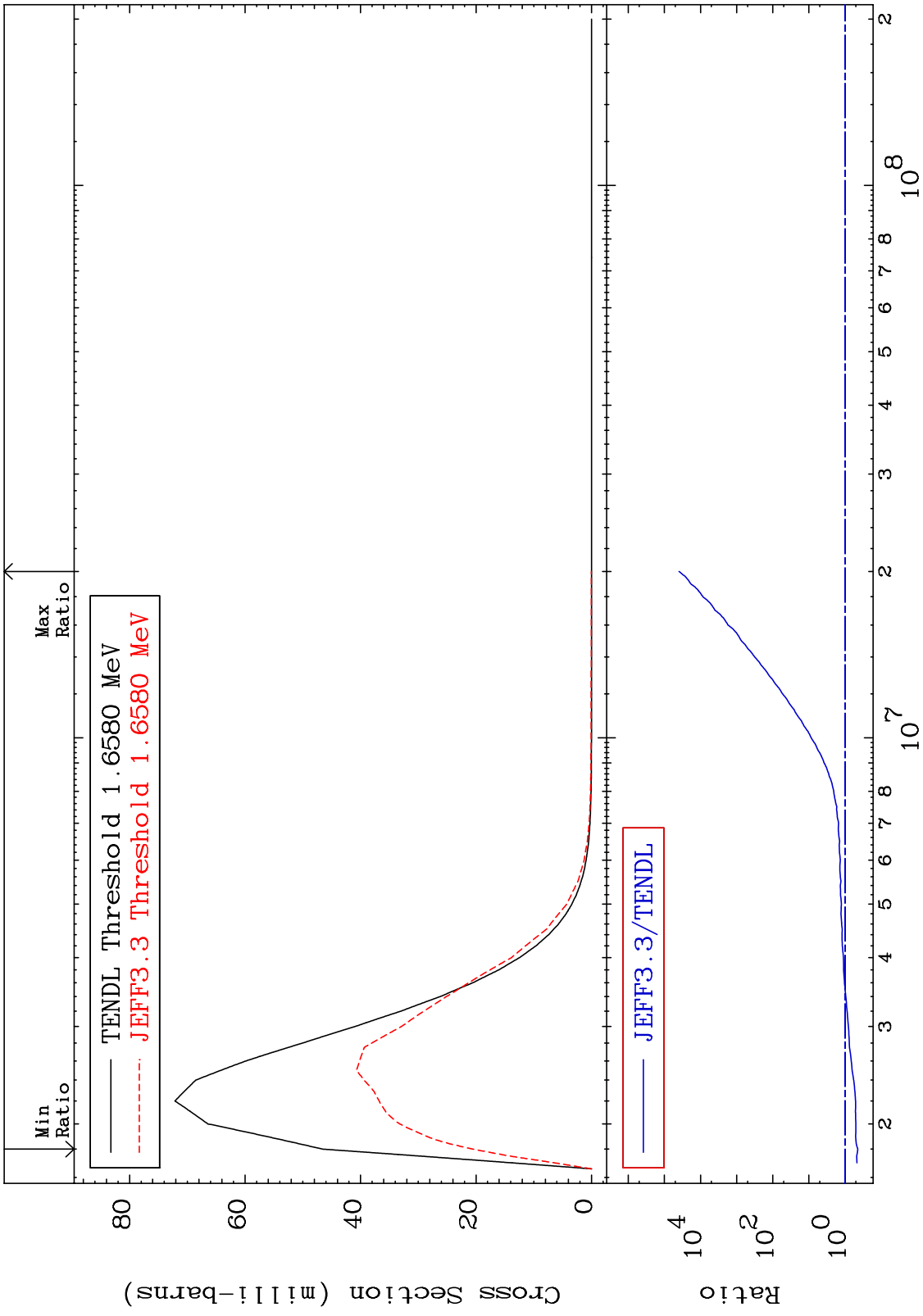
MAT 5034 MT= 56 (n,n') Level Cross Section 50-Sn-115 -95.09 To 28.94 %



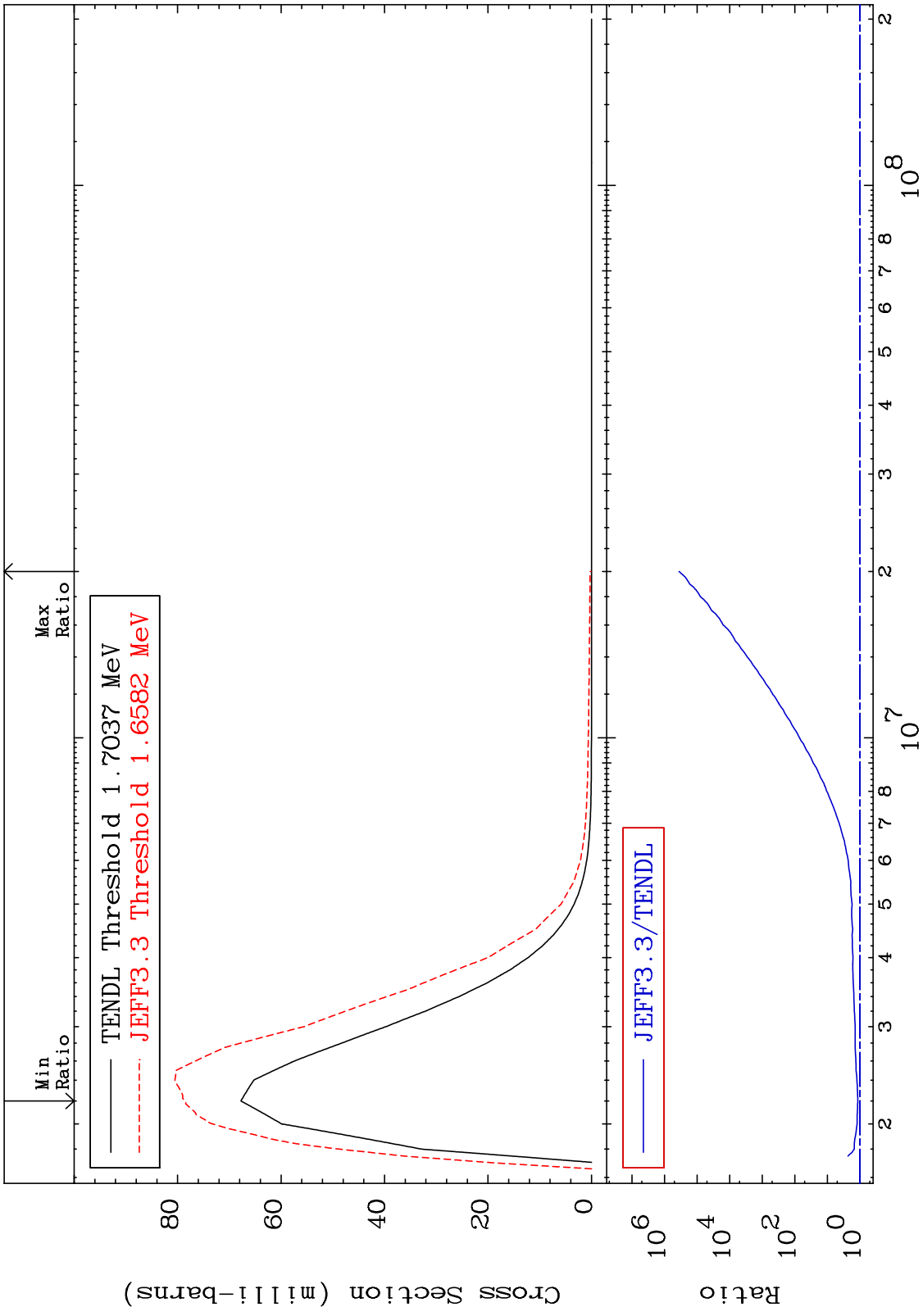
MAT 5034 MT= 57 (n,n') Level Cross Section 50-Sn-115 -94.17 To 111.9 %



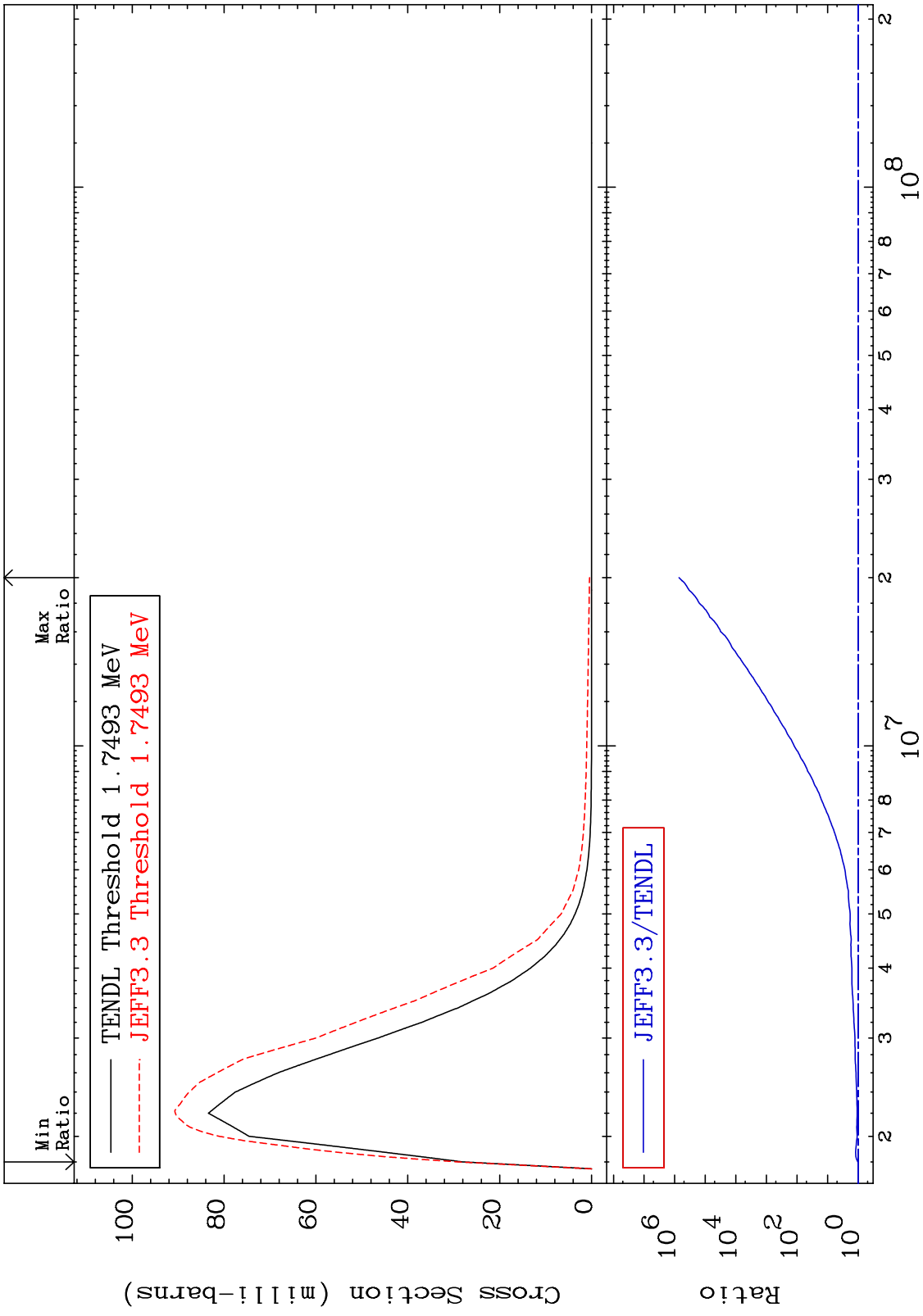
MAT 5034 MT= 58 (n,n') Level Cross Section 50-Sn-115
 -55.82 To 9999. %



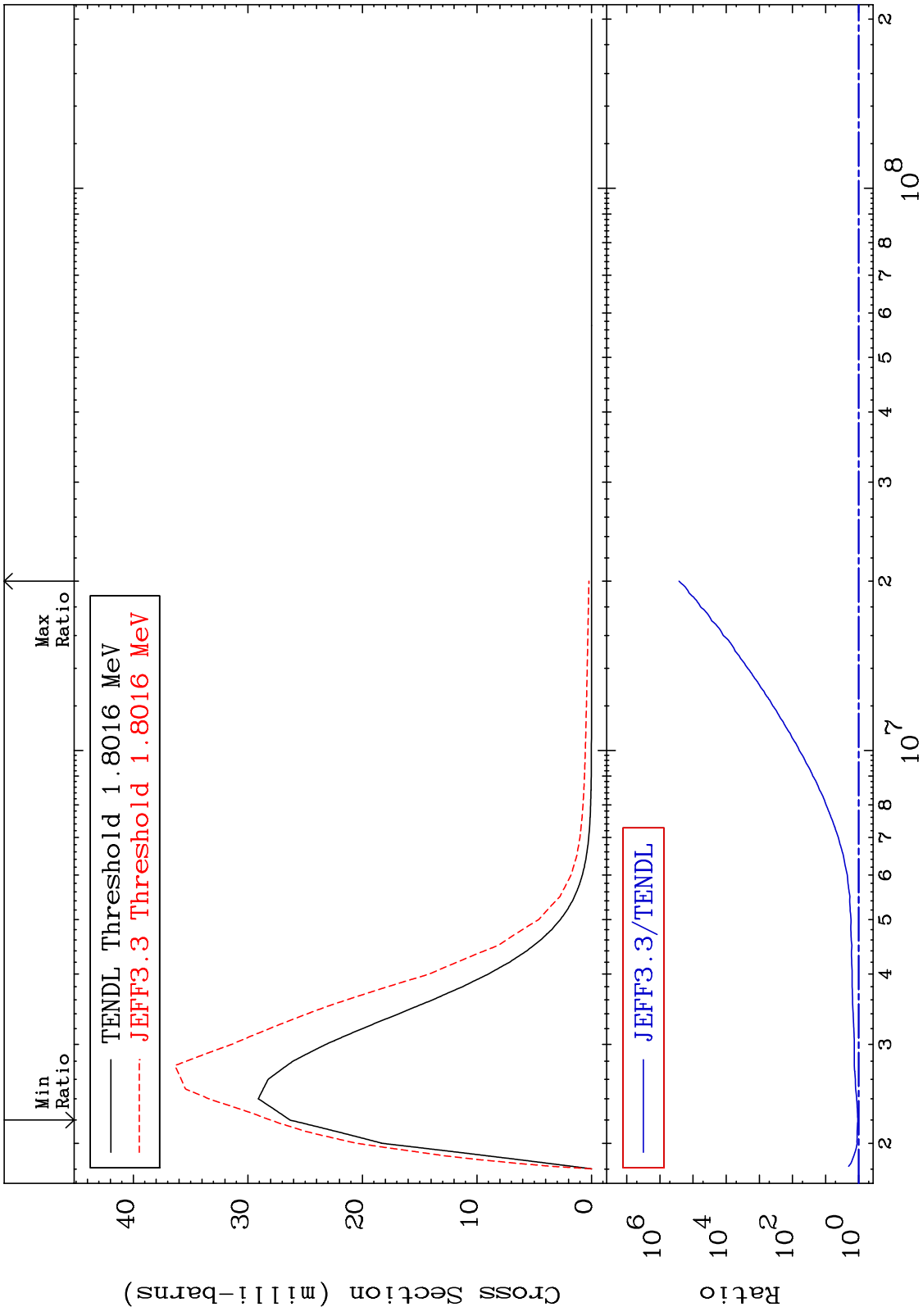
MAT 5034 MT= 59 (n,n') Level Cross Section 50-Sn-115
 16.04 To 9999. %



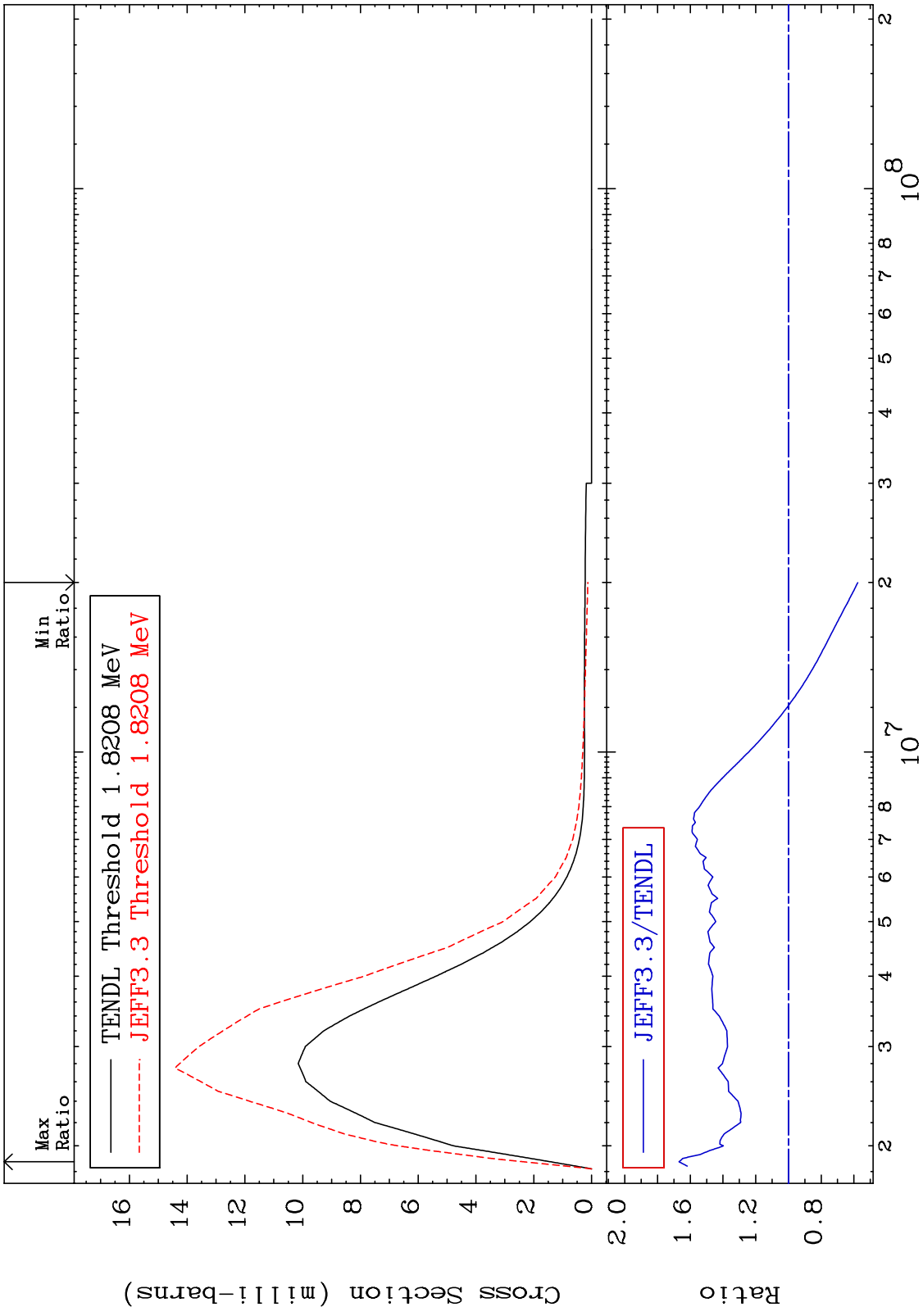
MAT 5034 MT= 60 (n,n') Level Cross Section 50-Sn-115 3.707 To 9999. %



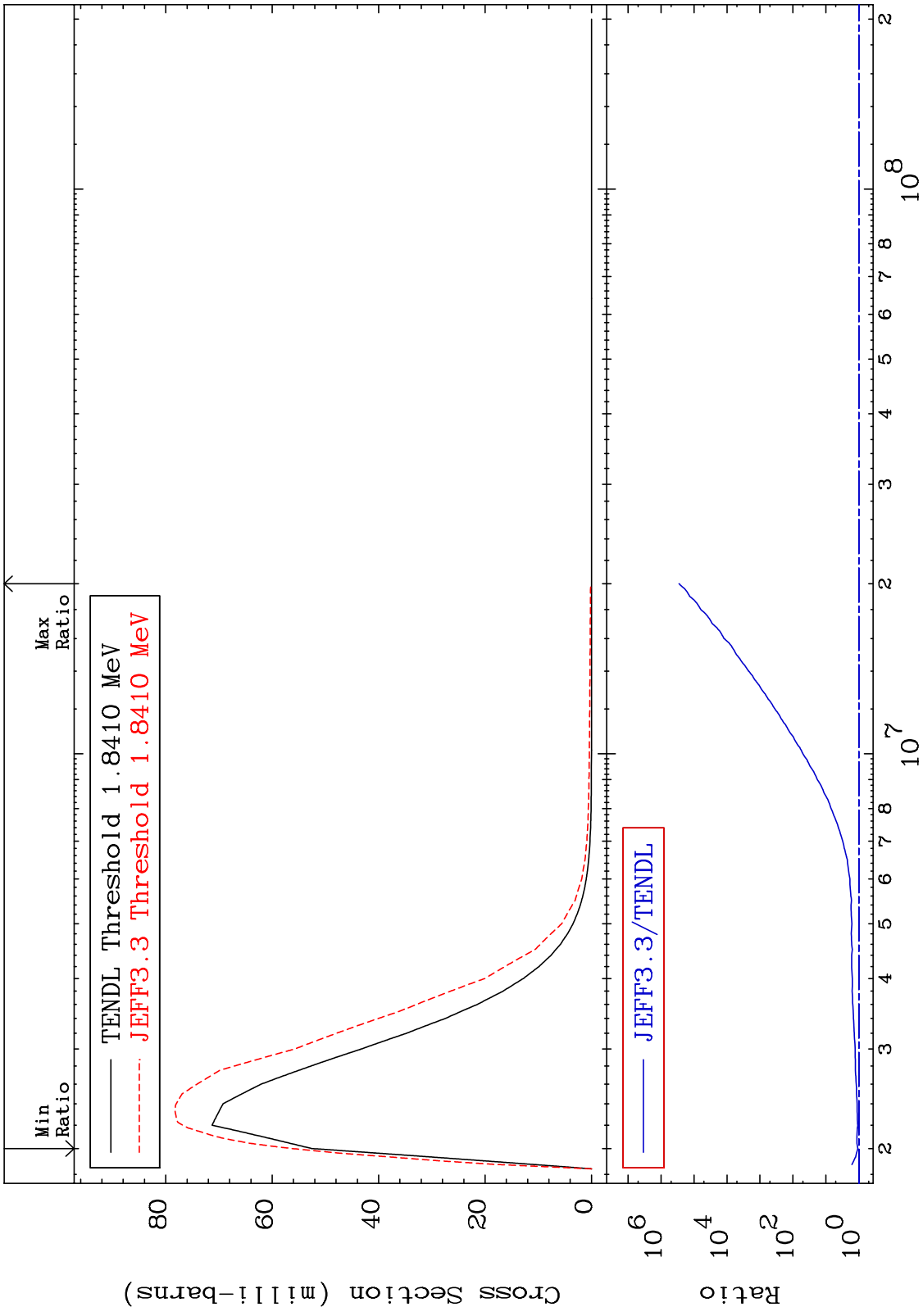
MAT 5034 MT= 61 (n,n') Level Cross Section 50-Sn-115
 6.366 To 9999. %



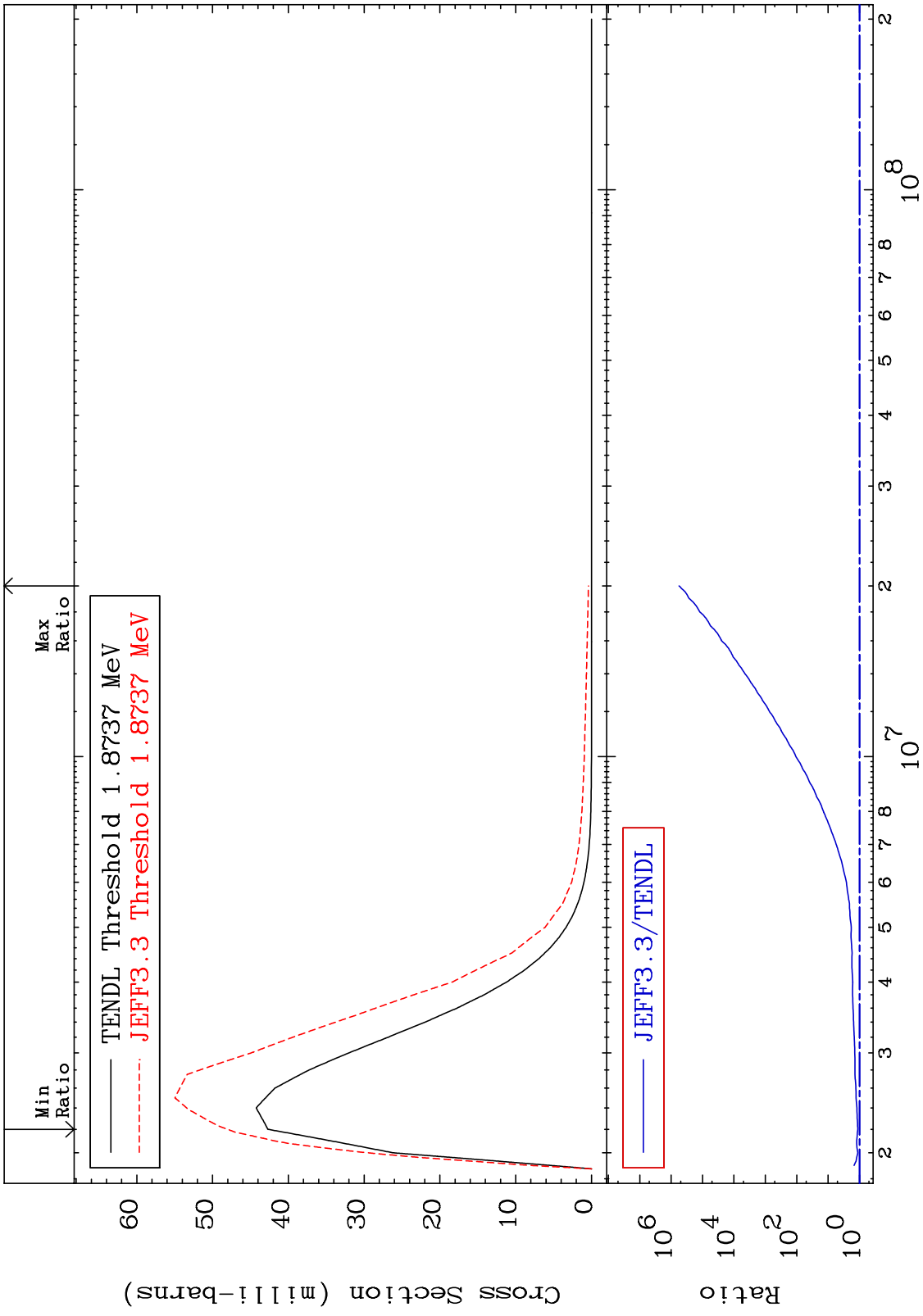
MAT 5034 MT= 62 (n,n') Level Cross Section 50-Sn-115
 -42.40 To 66.87 %



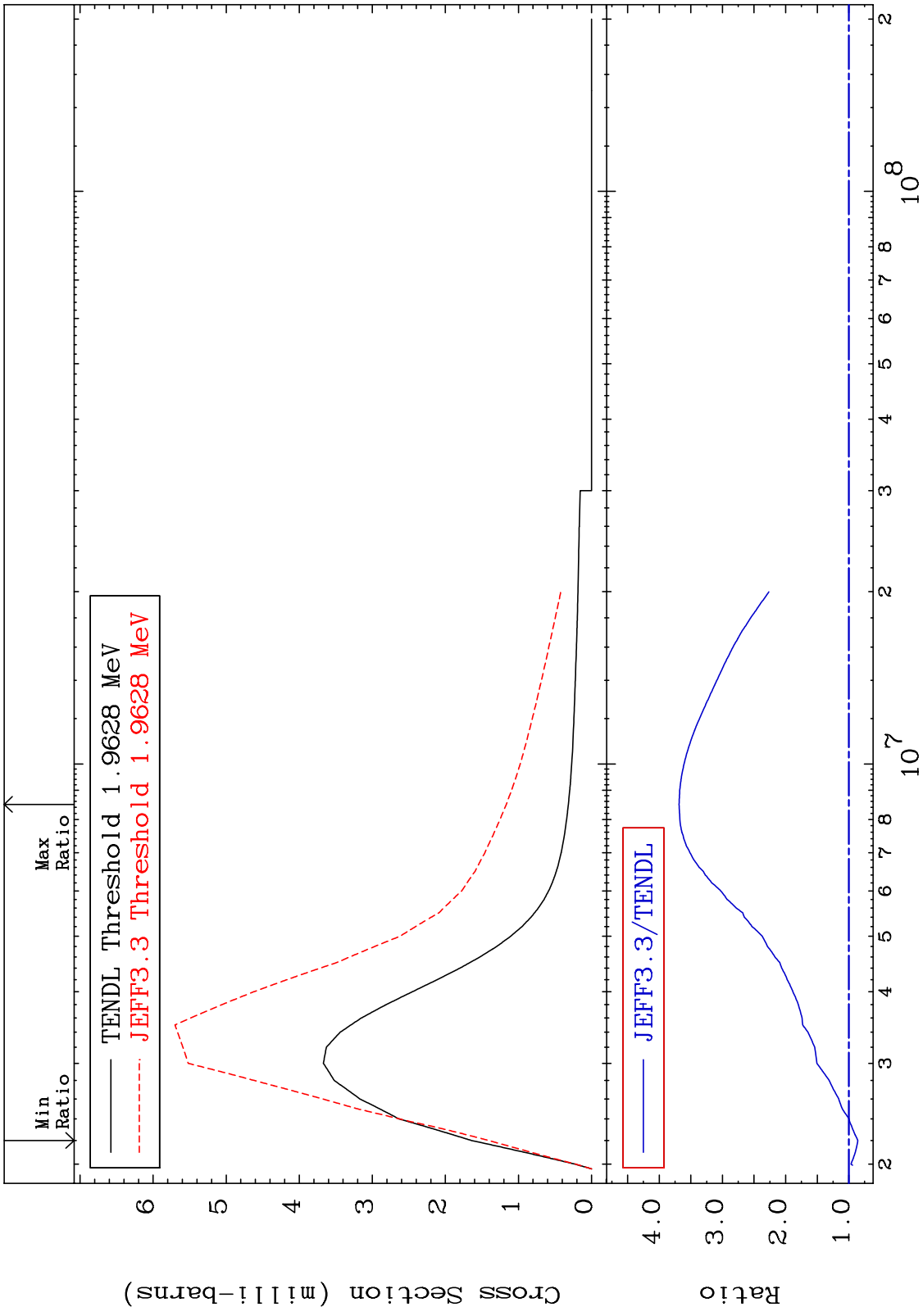
MAT 5034 MT= 63 (n,n') Level Cross Section 50-Sn-115 To 9999. %



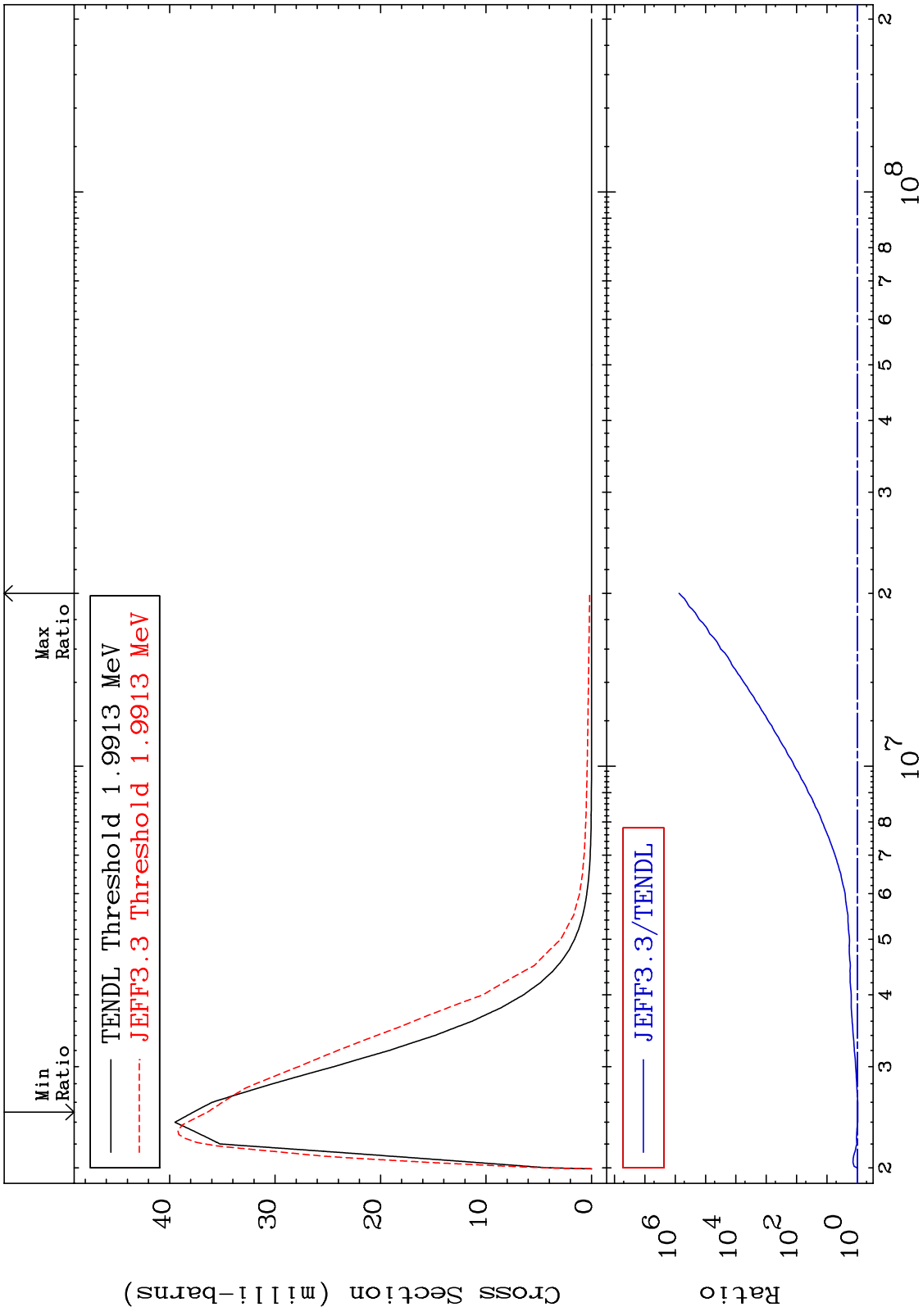
MAT 5034 MT= 64 (n,n') Level Cross Section 50-Sn-115 To 9999. %
 12.48



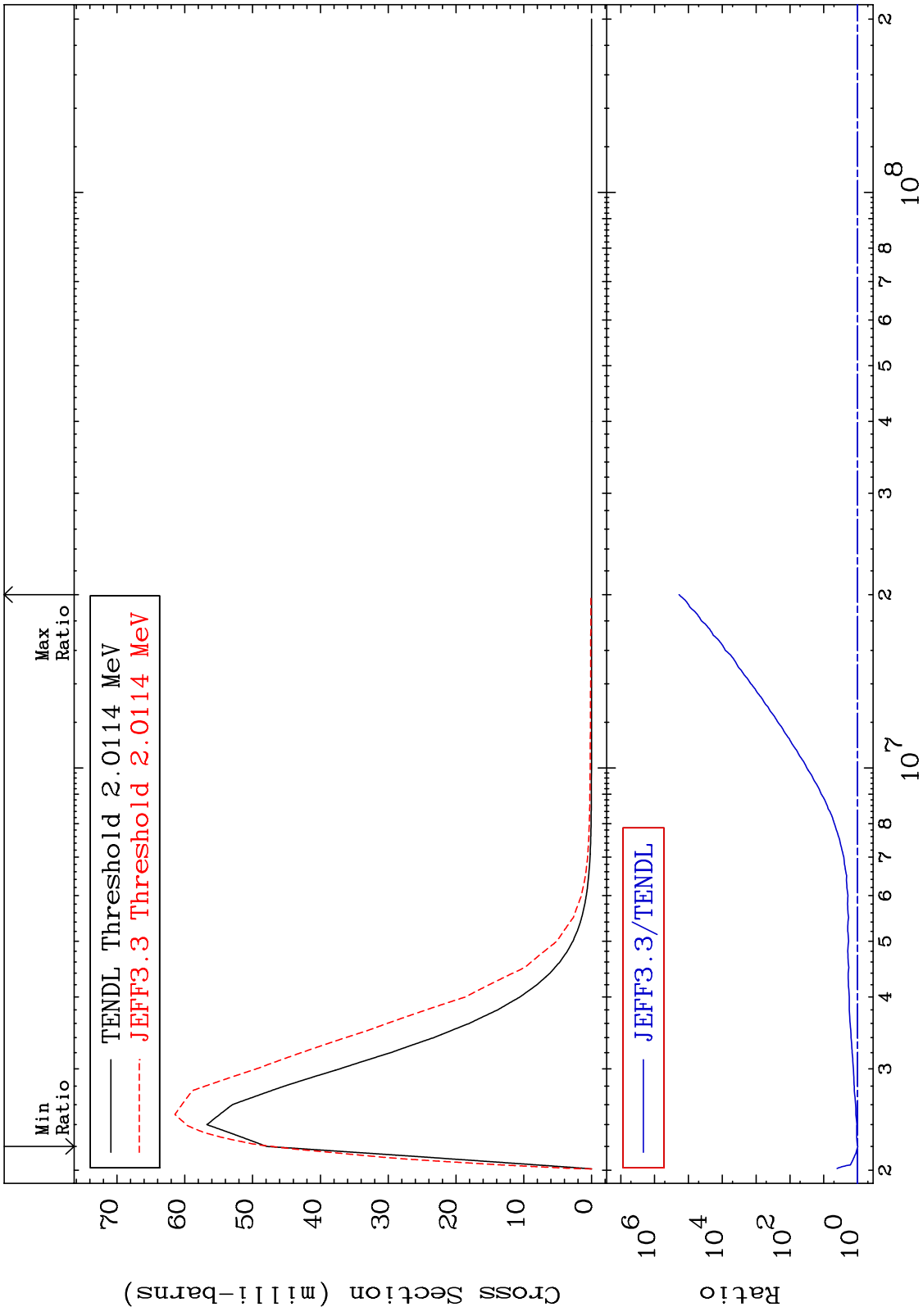
MAT 5034 MT= 65 (n,n') Level Cross Section 50-Sn-115
 -14.21 To 268.7 %



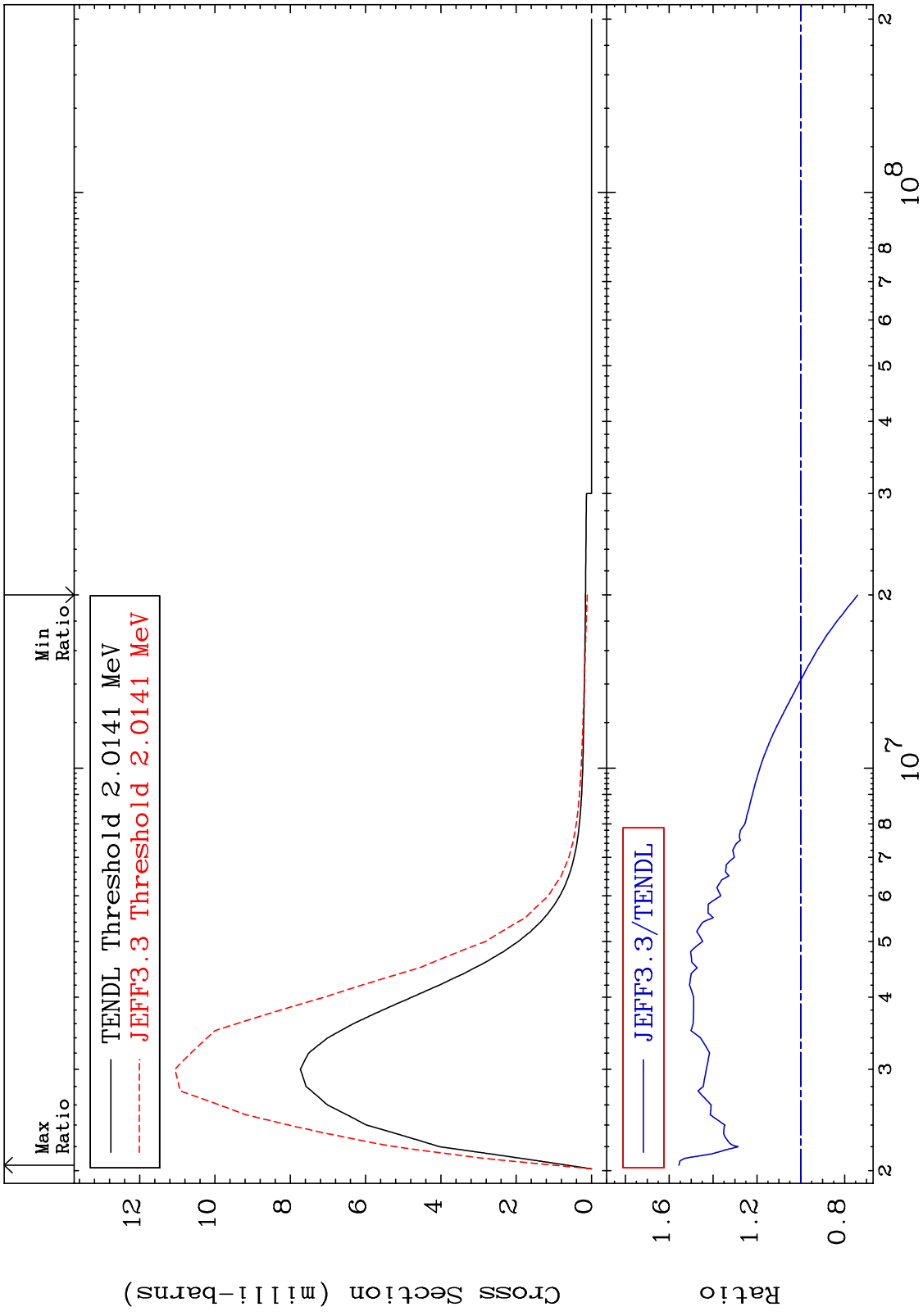
MAT 5034 MT= 66 (n,n') Level Cross Section 50-Sn-115
 -3.532 To 9999. %



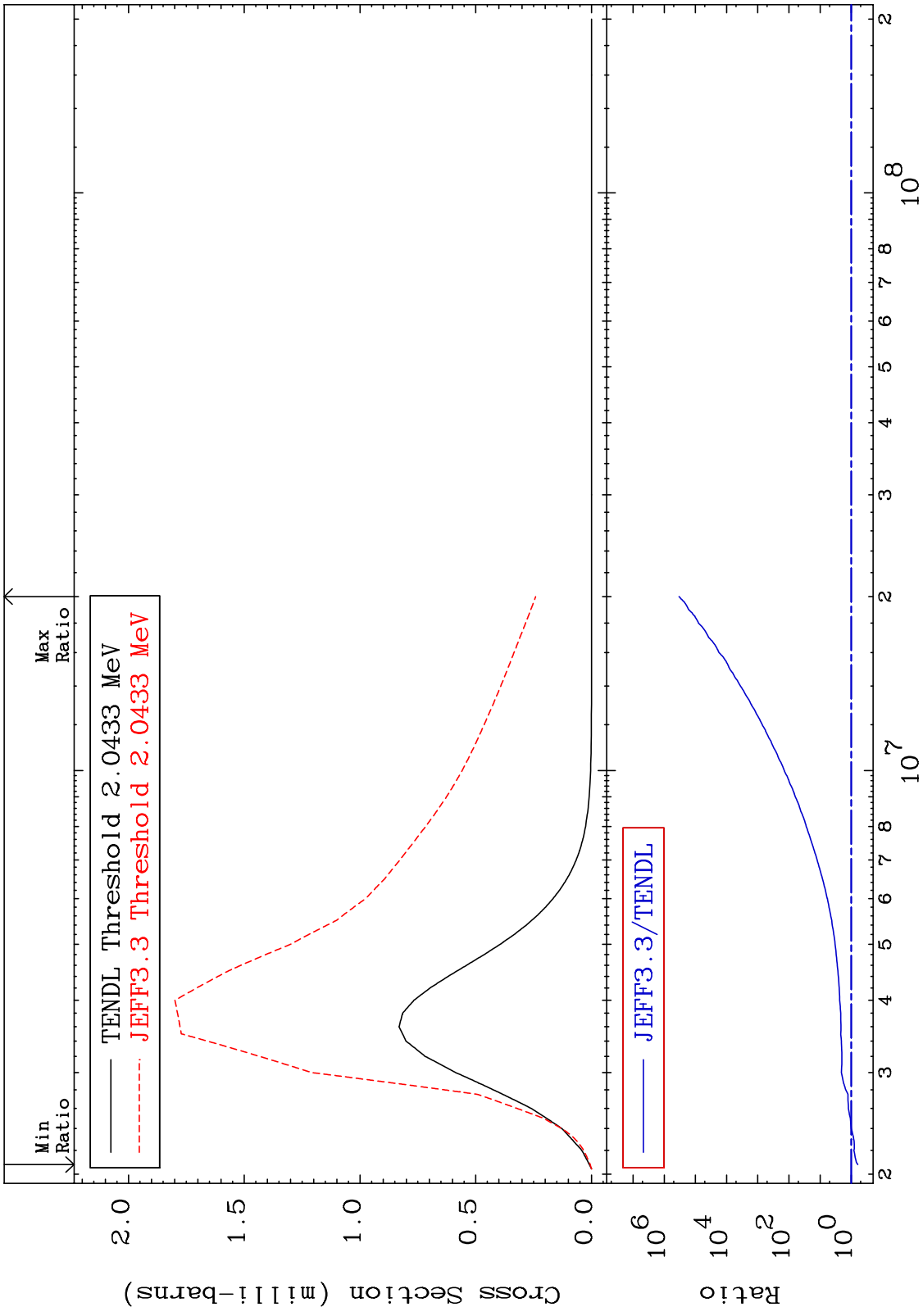
MAT 5034 MT= 67 (n,n') Level Cross Section 50-Sn-115
 -1.660 To 9999. %



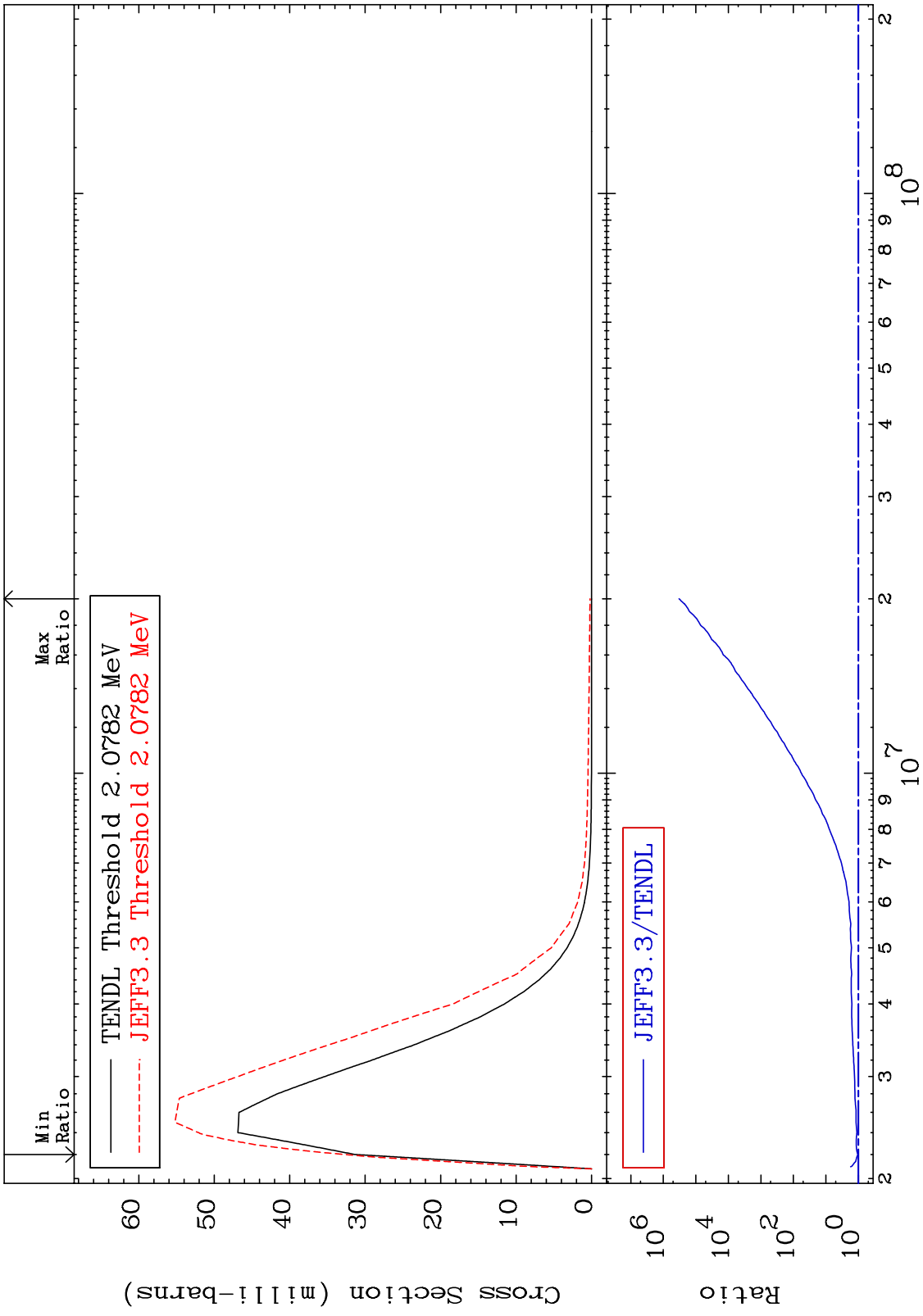
MAT 5034 MT= 68 (n,n') Level Cross Section 50-Sn-115
 -26.03 To 55.52 %



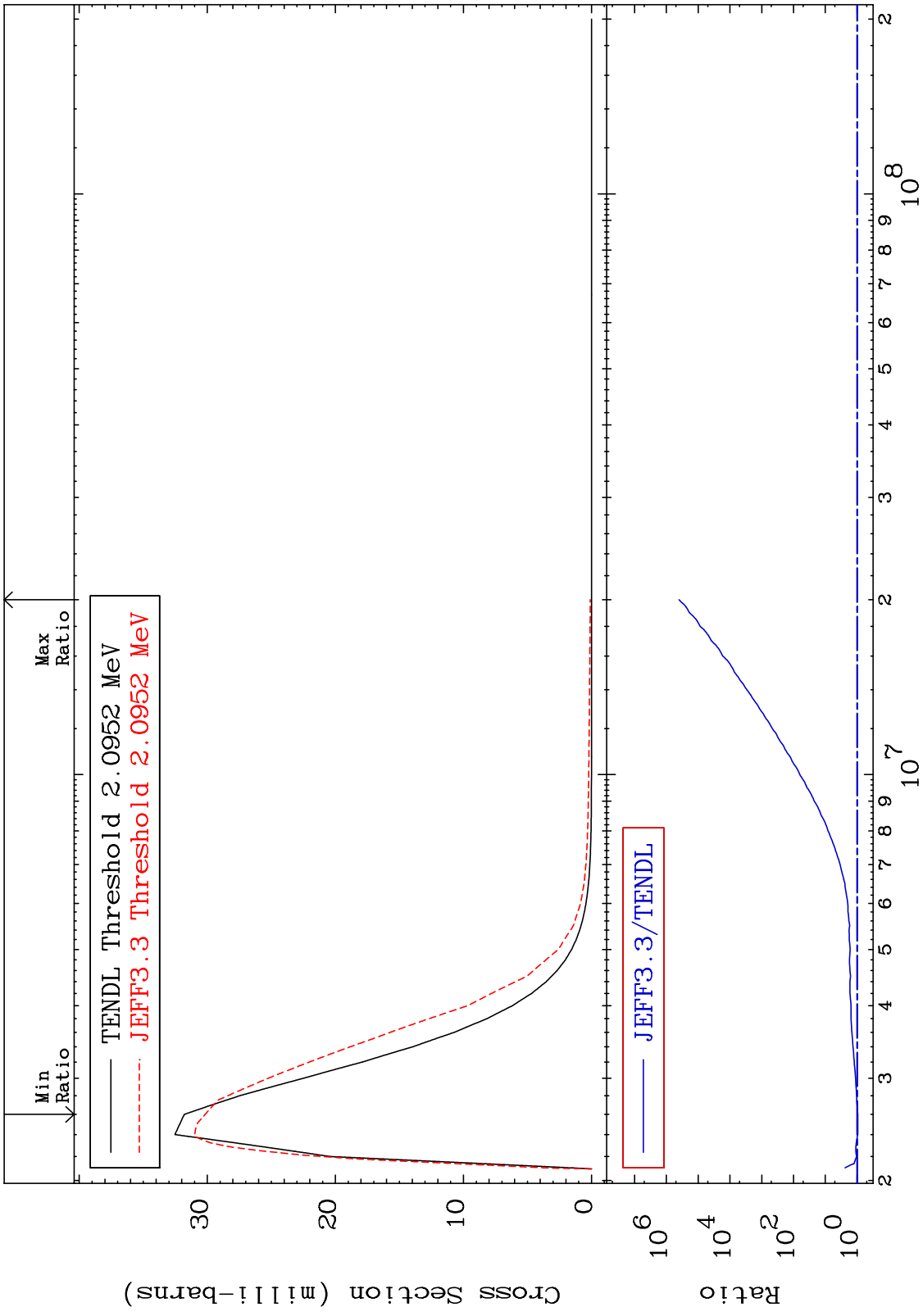
MAT 5034 MT= 69 (n,n') Level Cross Section 50-Sn-115
 -38.41 To 9999. %



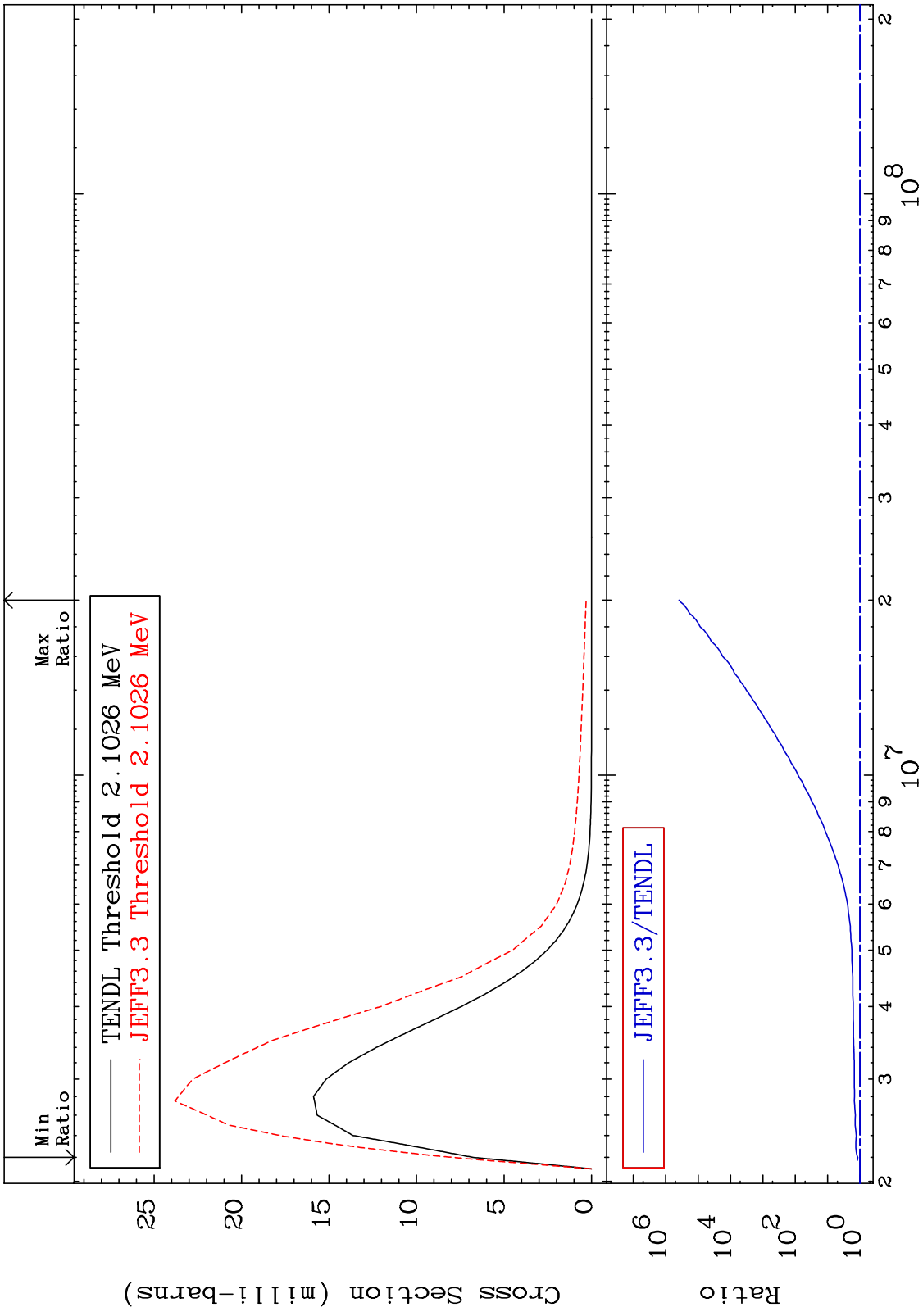
MAT 5034 MT= 70 (n,n') Level Cross Section 50-Sn-115 To 9999. %



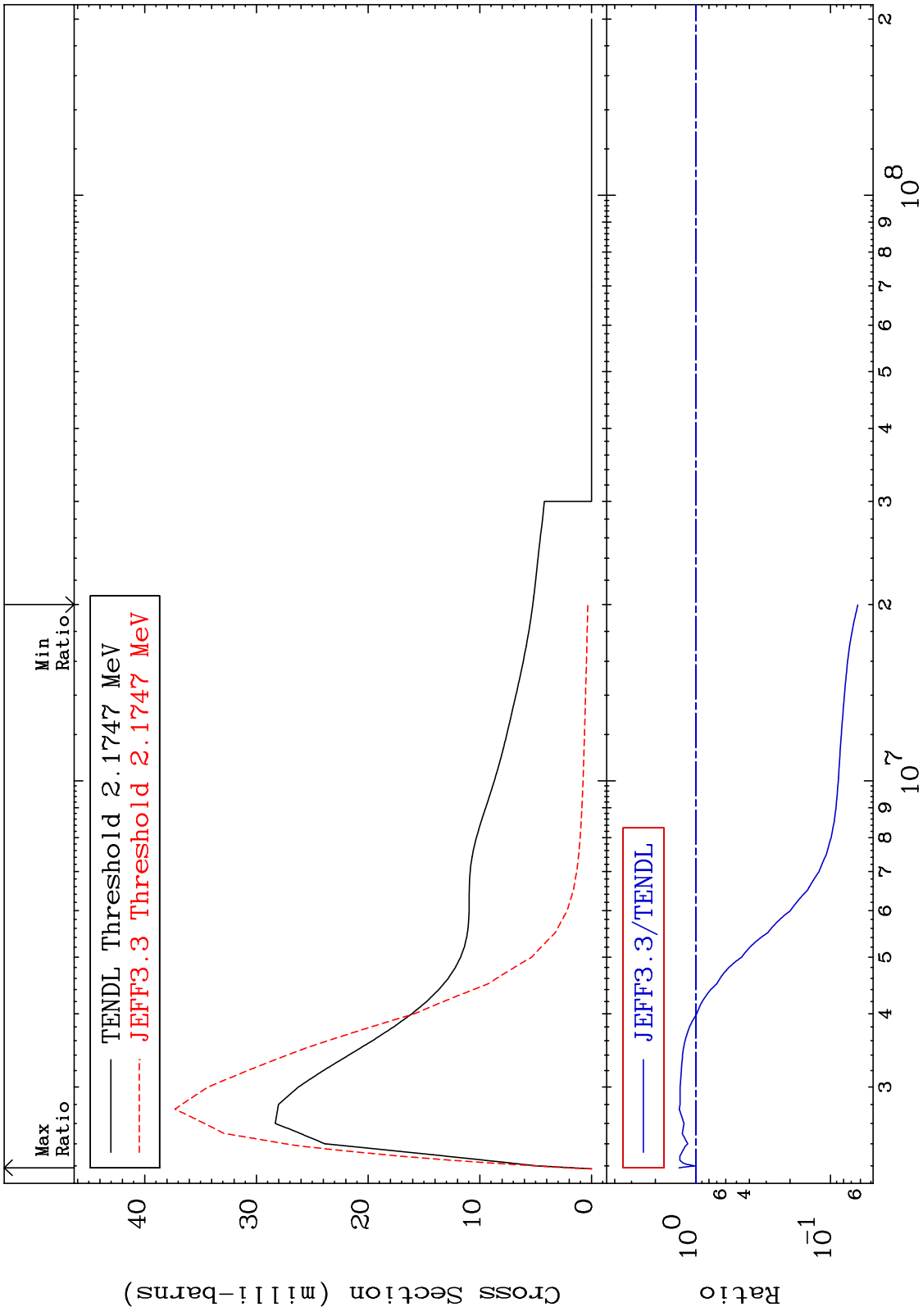
MAT 5034 MT= 71 (n,n') Level Cross Section 50-Sn-115
 -5.111 To 9999. %



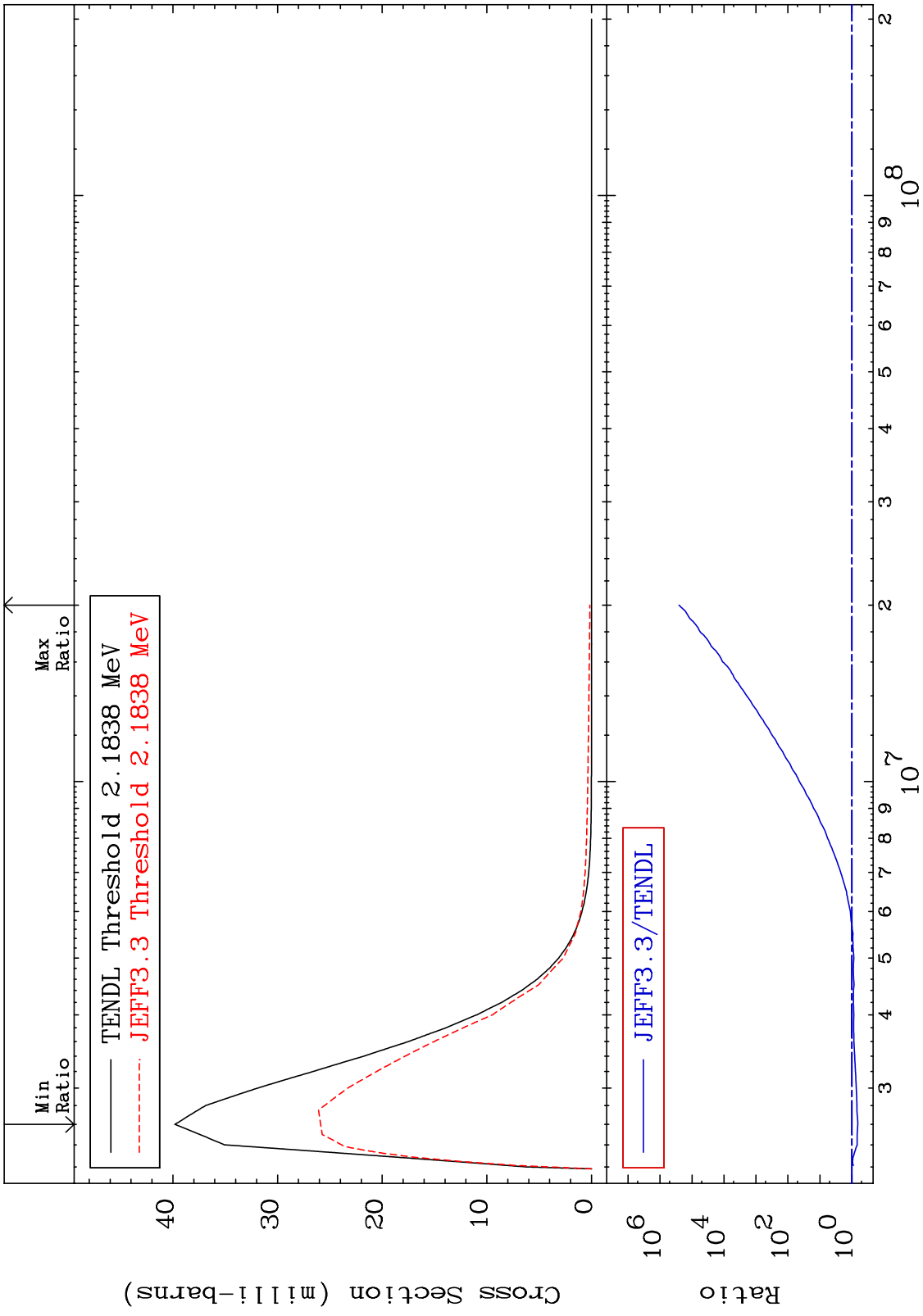
MAT 5034 MT= 72 (n,n') Level Cross Section 50-Sn-115 To 9999. %
 17.01



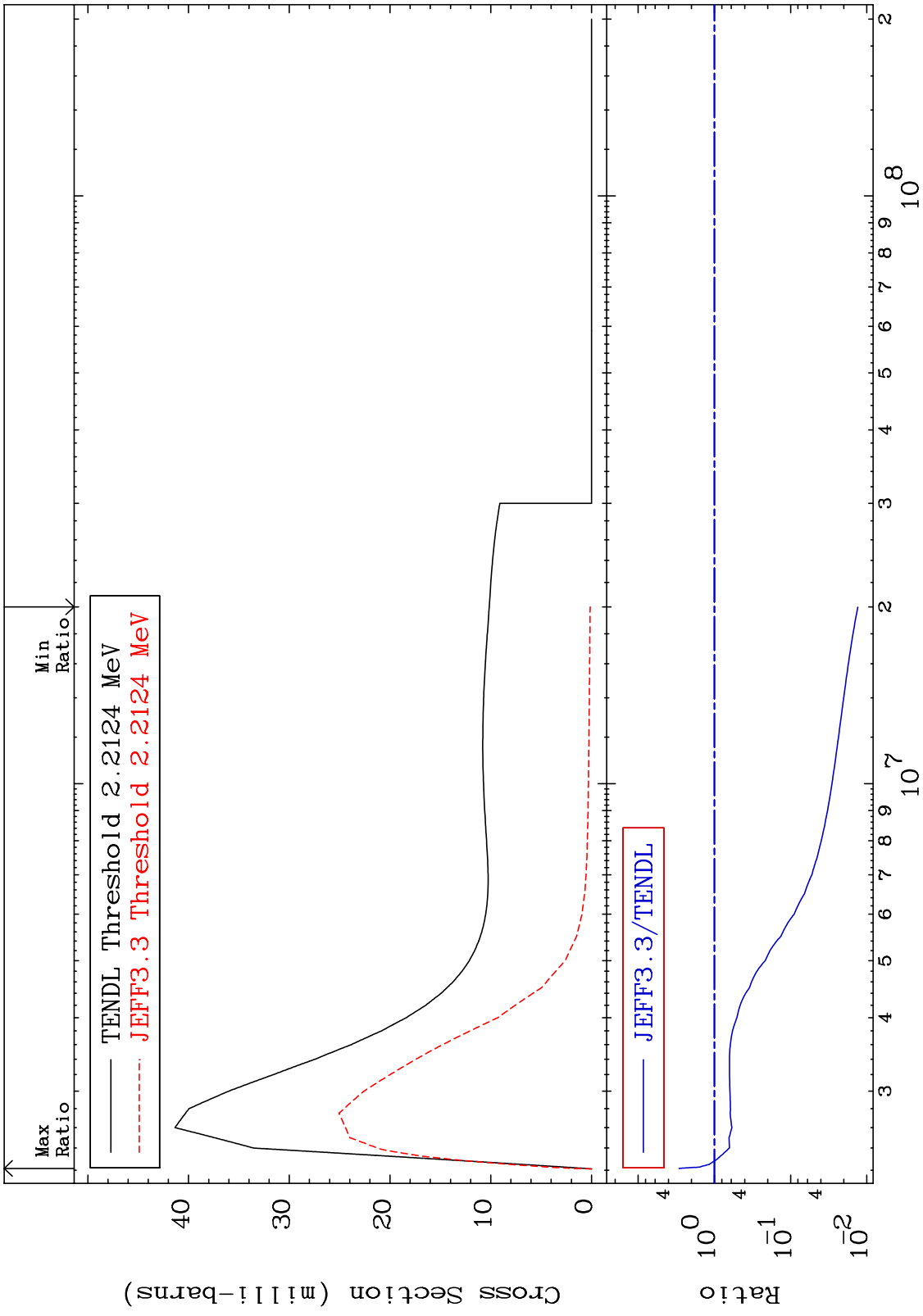
MAT 5034 MT= 73 (n,n') Level Cross Section 50-Sn-115 -93.74 To 33.28 %



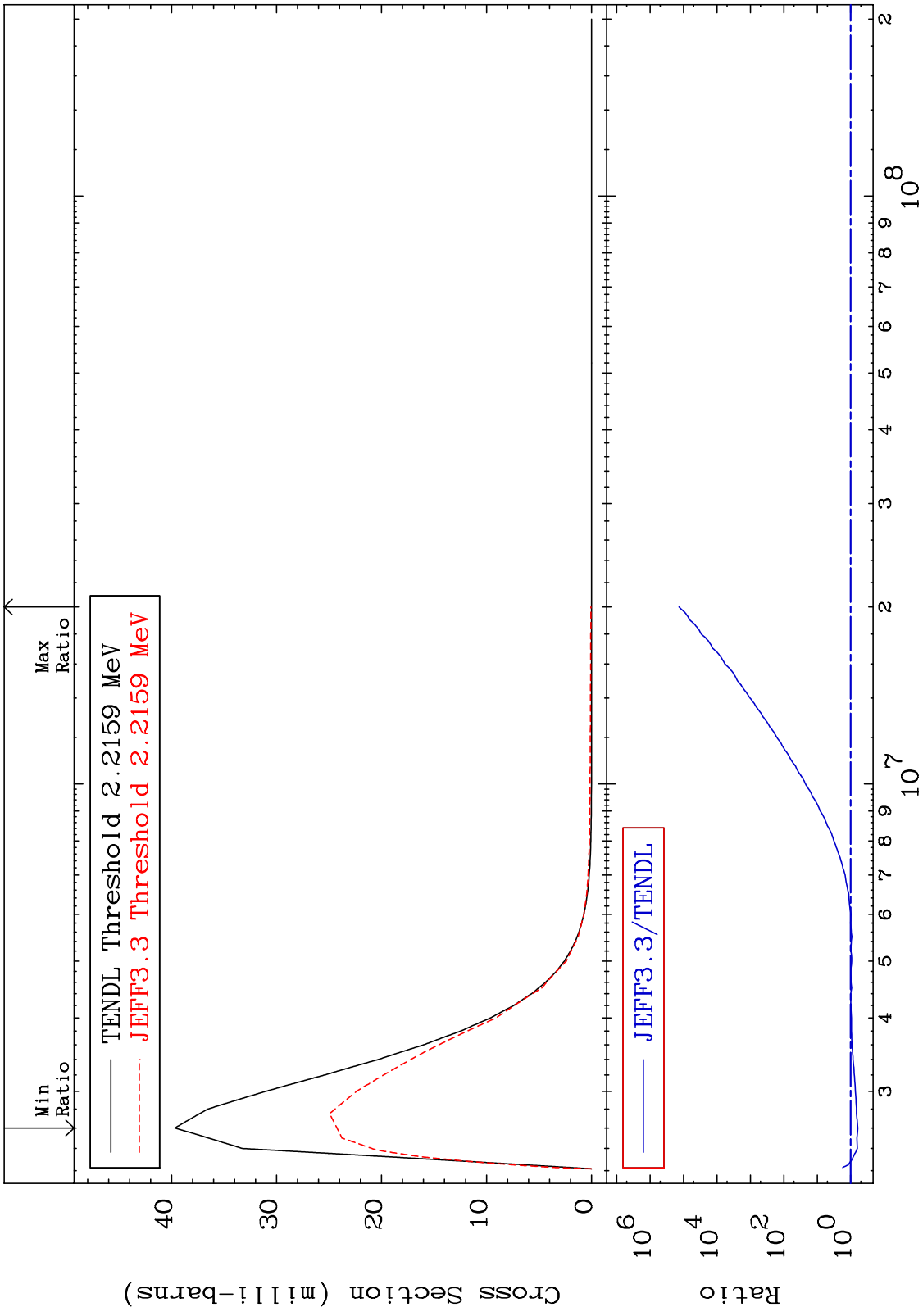
MAT 5034 MT= 74 (n,n') Level Cross Section 50-Sn-115
 -35.00 To 9999. %



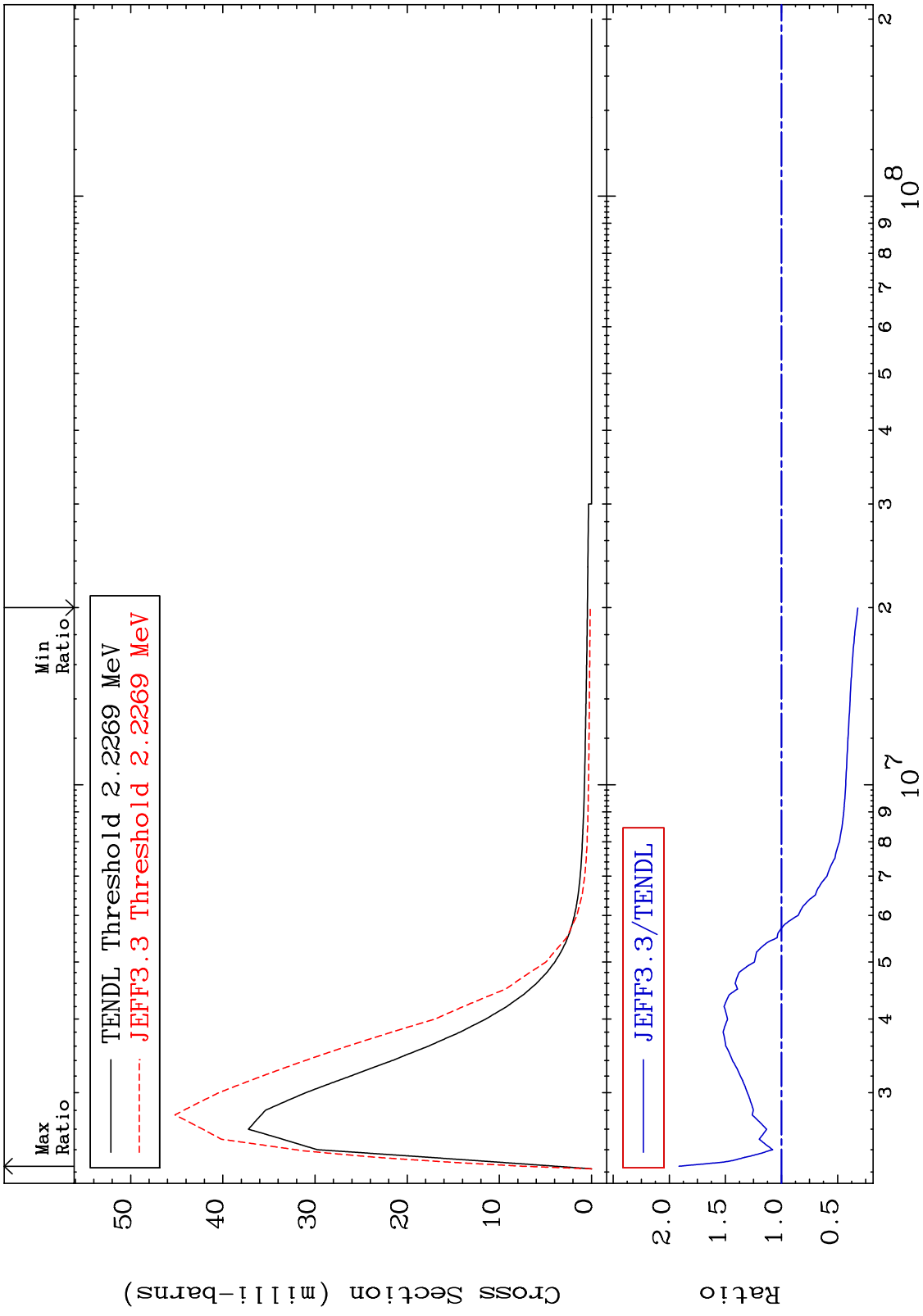
MAT 5034 MT= 75 (n,n') Level Cross Section 50-Sn-115
 -98.69 To 190.9 %



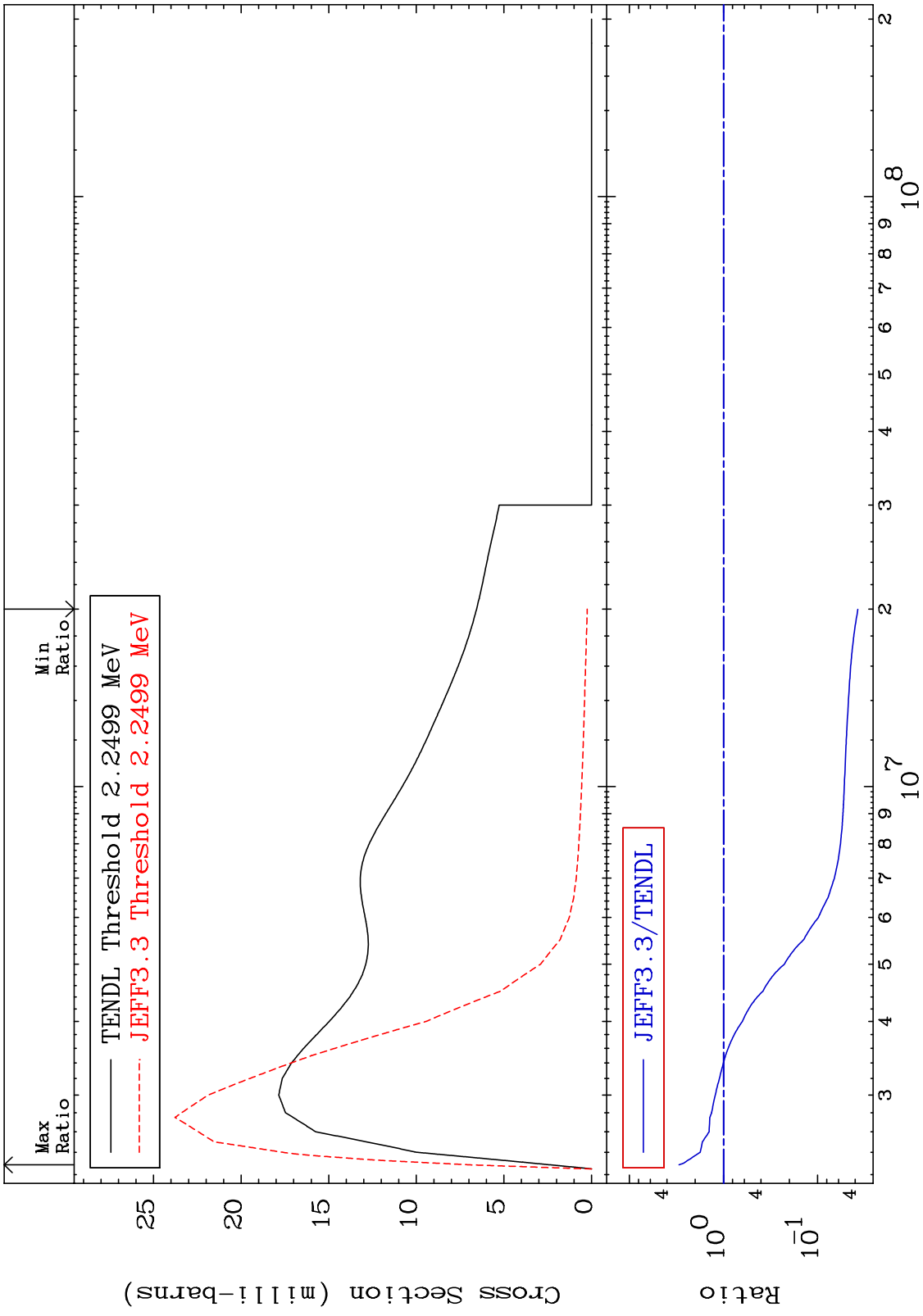
MAT 5034 MT= 76 (n,n') Level Cross Section 50-Sn-115
 -38.91 To 9999. %



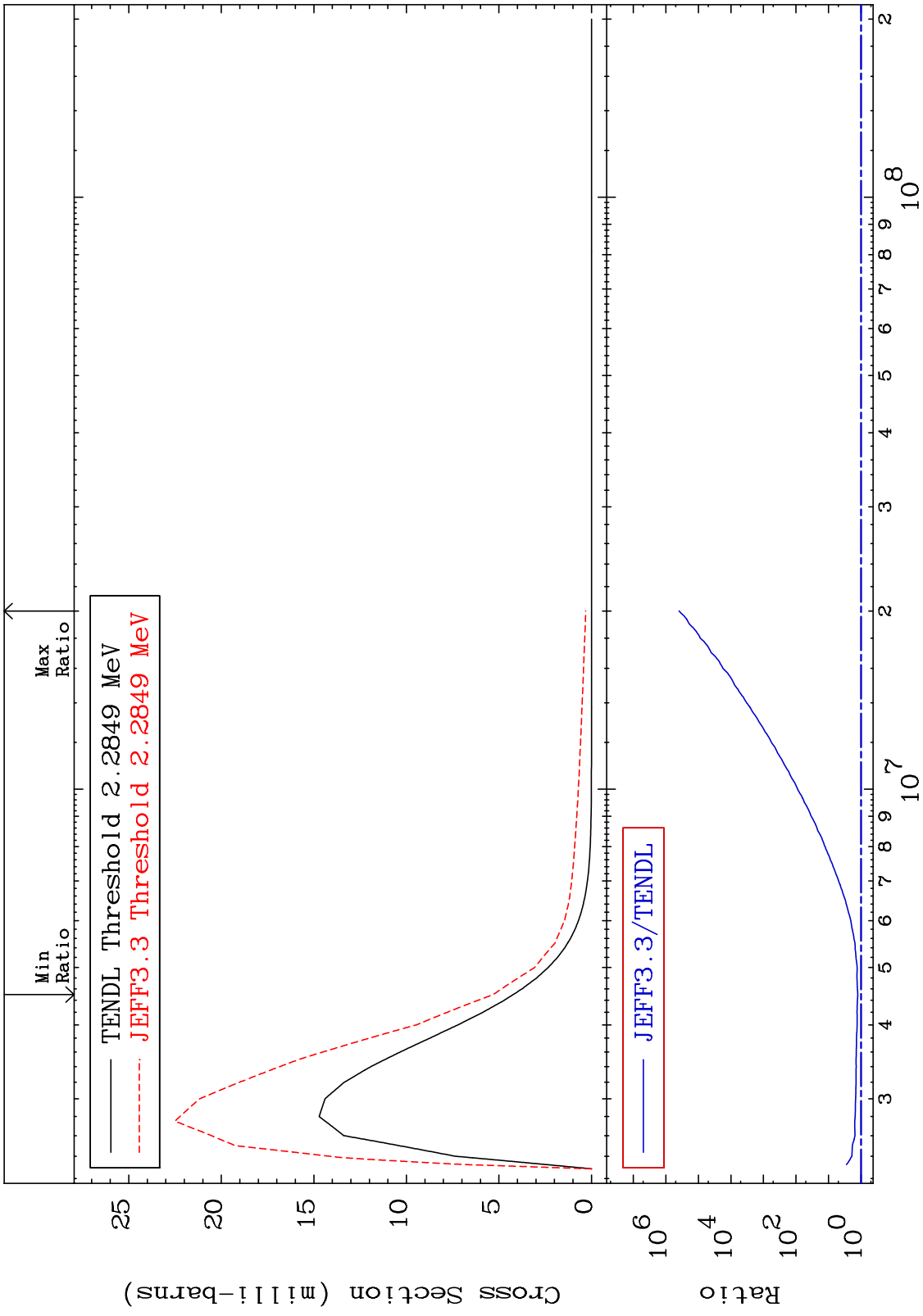
MAT 5034 MT= 77 (n,n') Level Cross Section 50-Sn-115
 -68.06 To 91.35 %



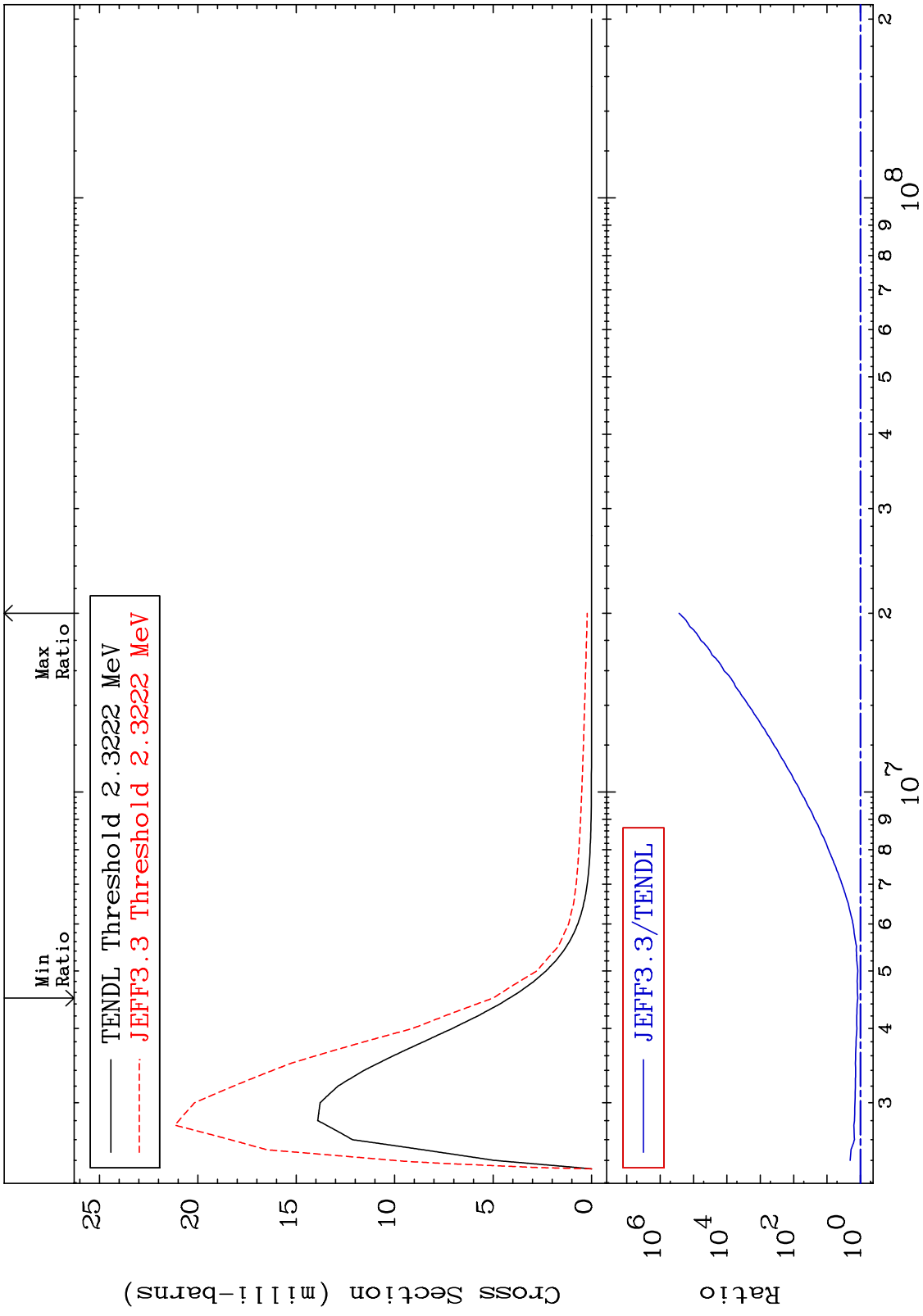
MAT 5034 MT= 78 (n,n') Level Cross Section 50-Sn-115 -96.26 To 196.8 %



MAT 5034 MT= 79 (n,n') Level Cross Section 50-Sn-115
 25.43 To 9999. %



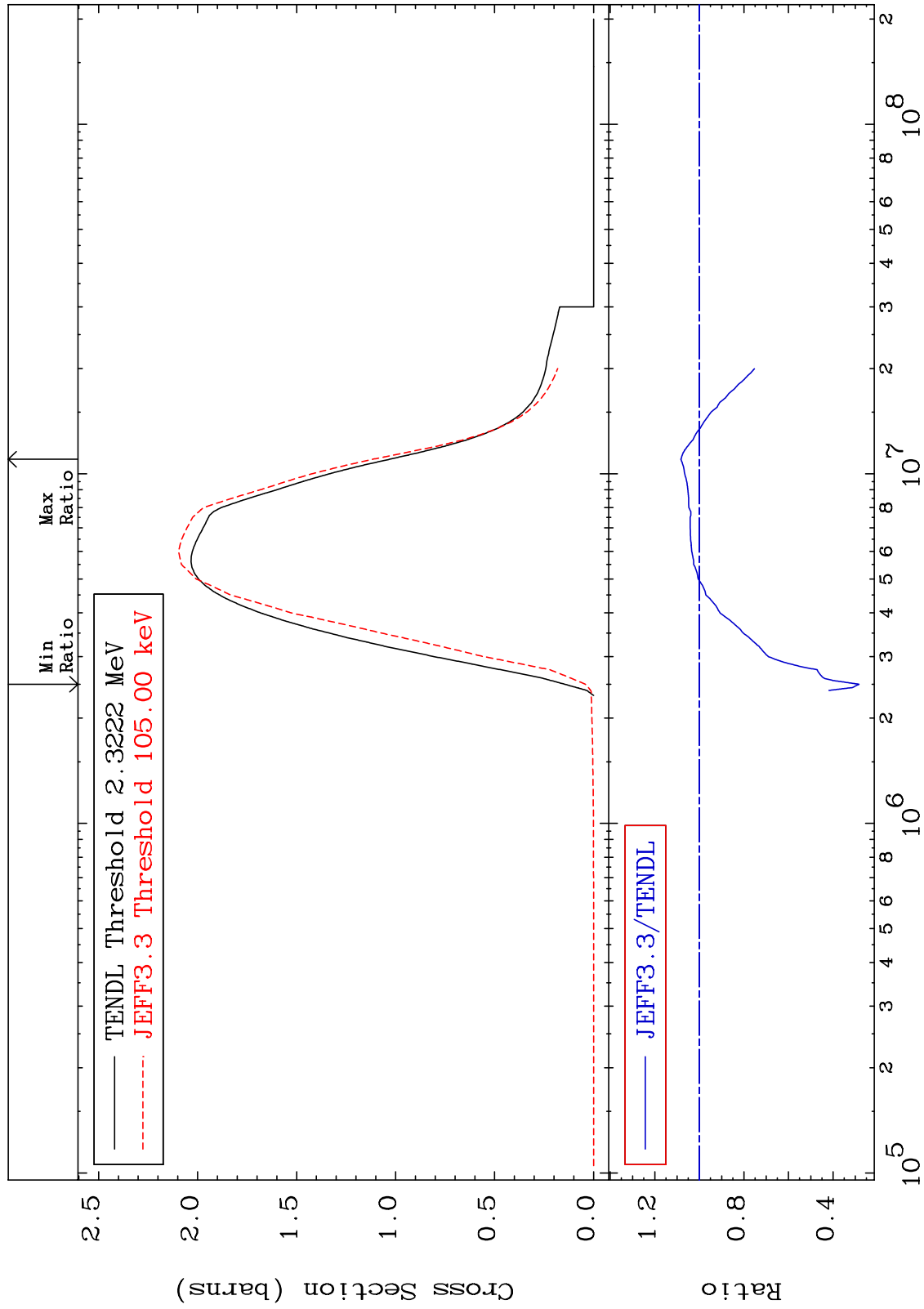
MAT 5034 MT= 80 (n,n') Level Cross Section 50-Sn-115 To 9999. %
 19.71



MAT 5034

(n, n') Continuum
Cross Section

50-Sn-115
-71.67 To 8.313 %



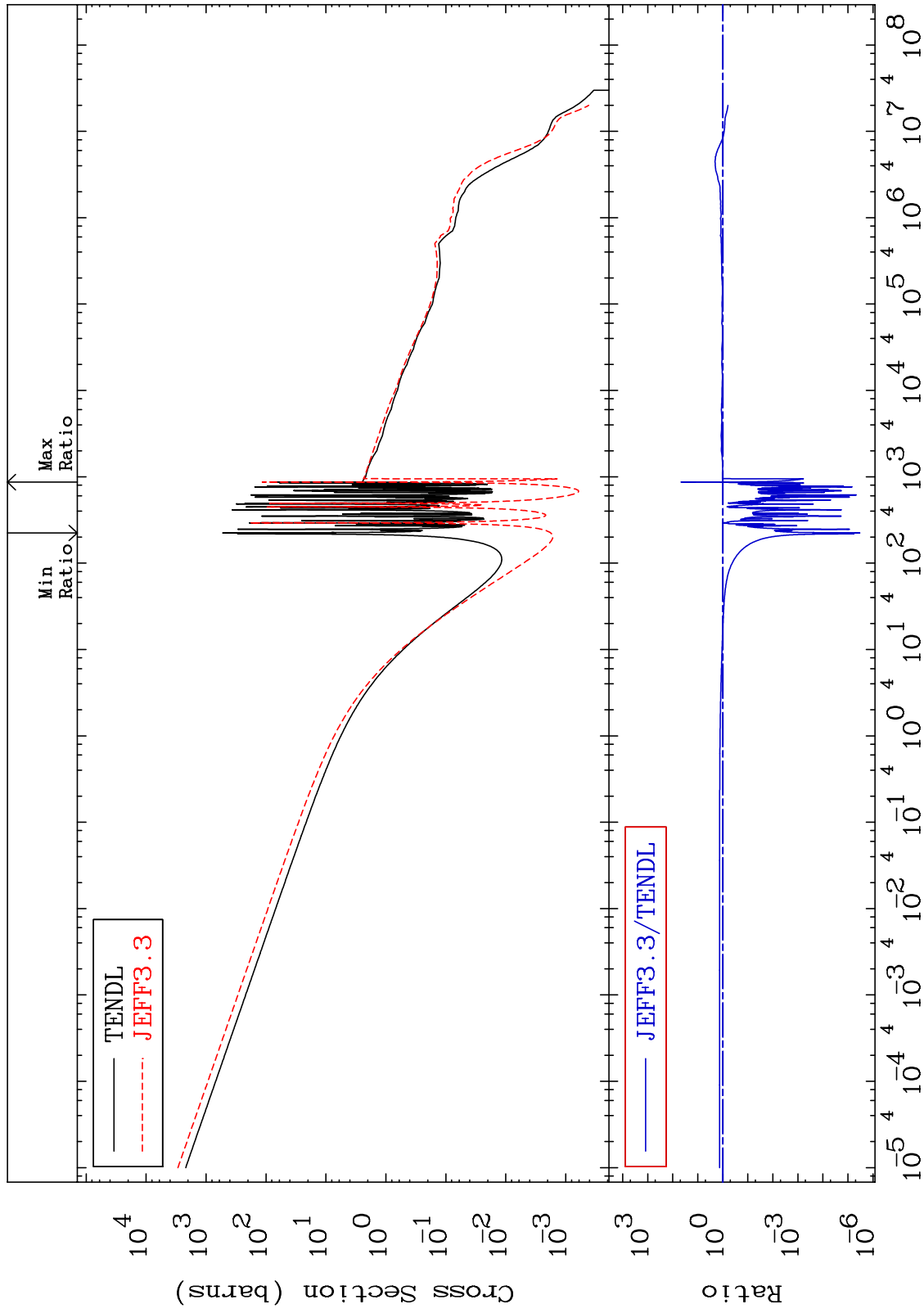
41

Incident Energy (eV)

50-Sn-115

MAT 5034

(n, γ) Cross Section
50-Sn-115
-100.0 To 4486. %



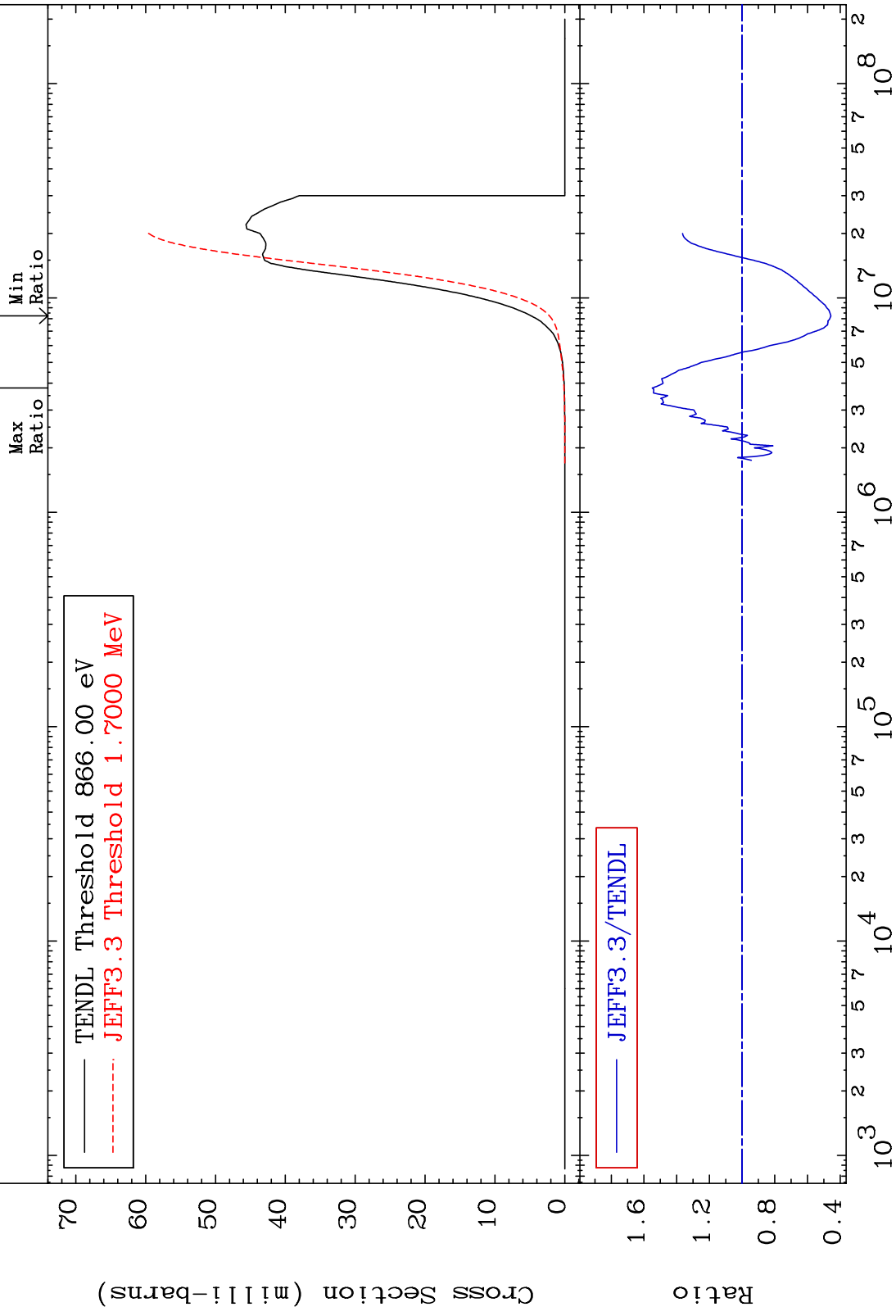
MAT 5034

(n,p)

50-Sn-115

Cross Section

-54.32 To 54.92 %

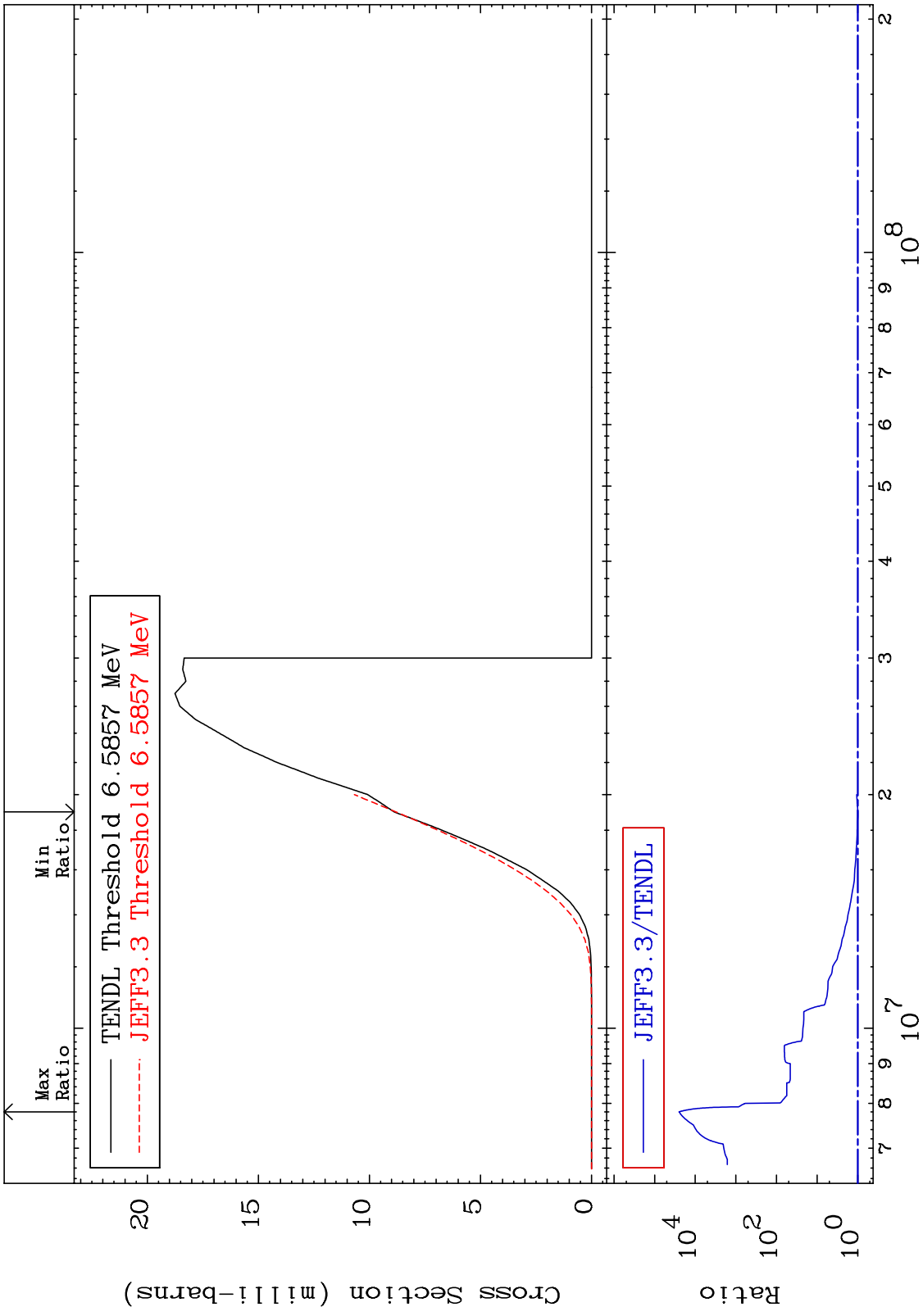


43

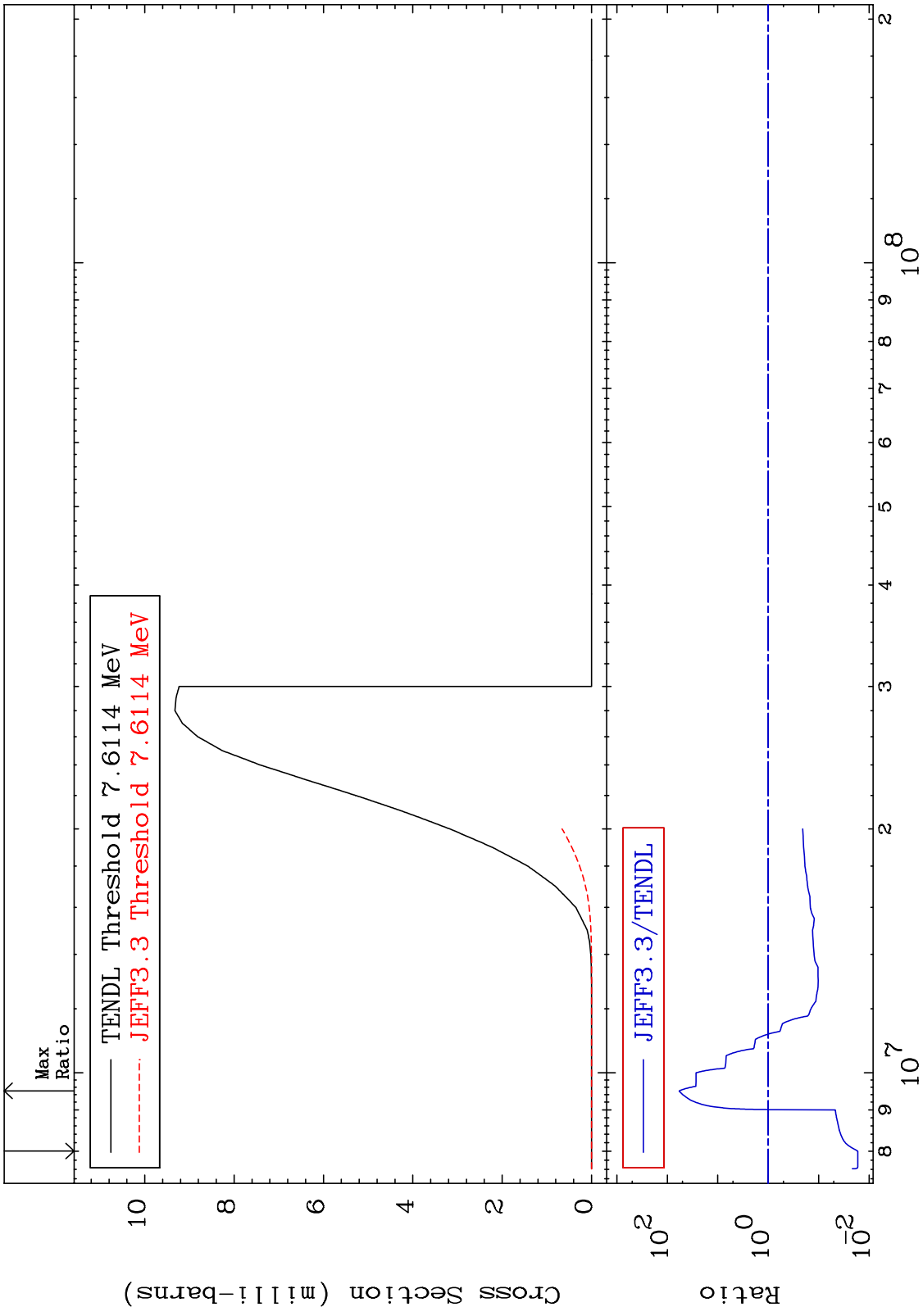
Incident Energy (eV)

50-Sn-115

MAT 5034 (n,d) 50-Sn-115
 Cross Section -0.814 To 9999. %



MAT 5034 (n,t) 50-Sn-115
 Cross Section -98.33 To 5762. %



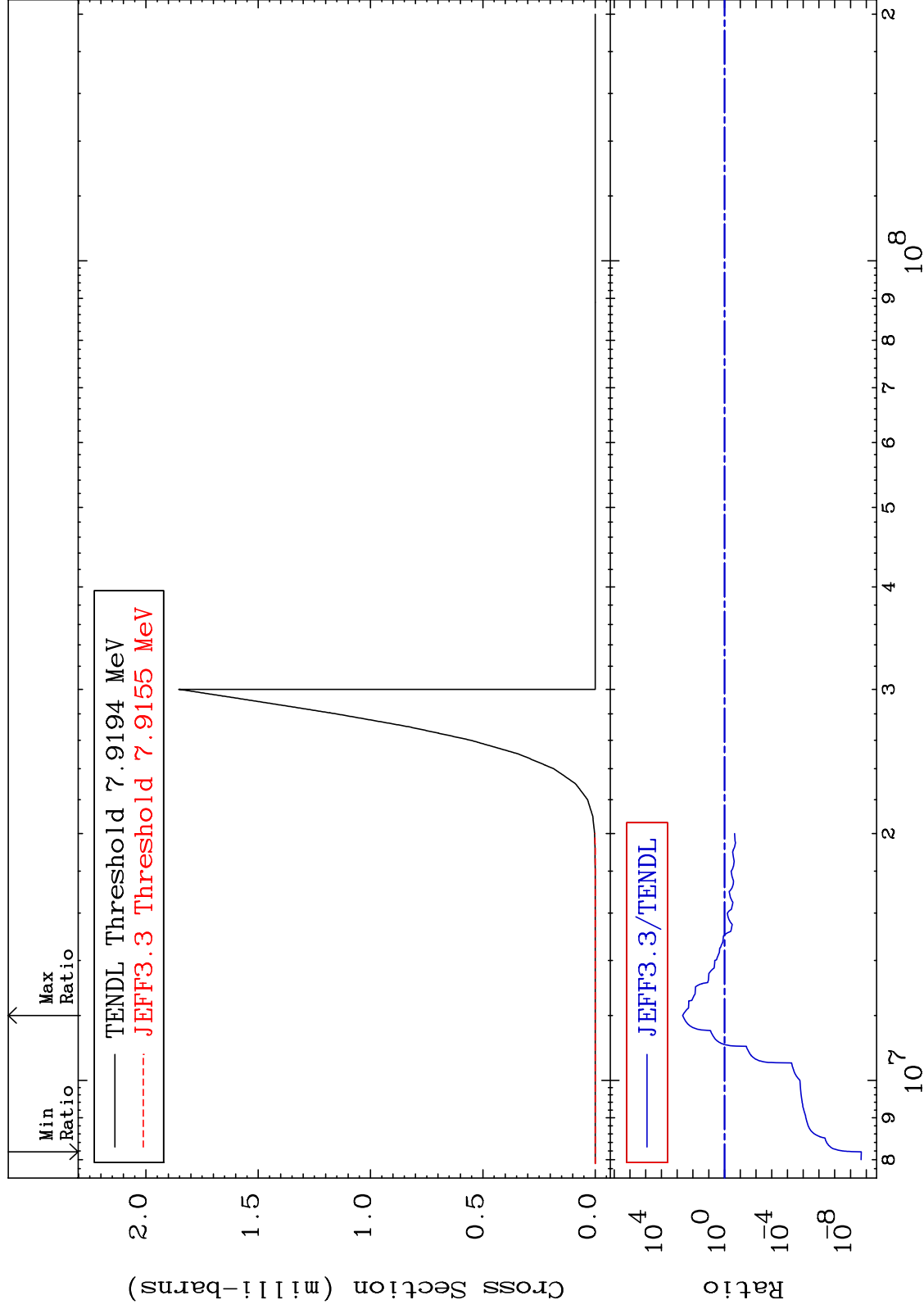
MAT 5034

(n, He-3)

50-Sn-115

Cross Section

-100.0 To 9999. %



46

Incident Energy (eV)

50-Sn-115

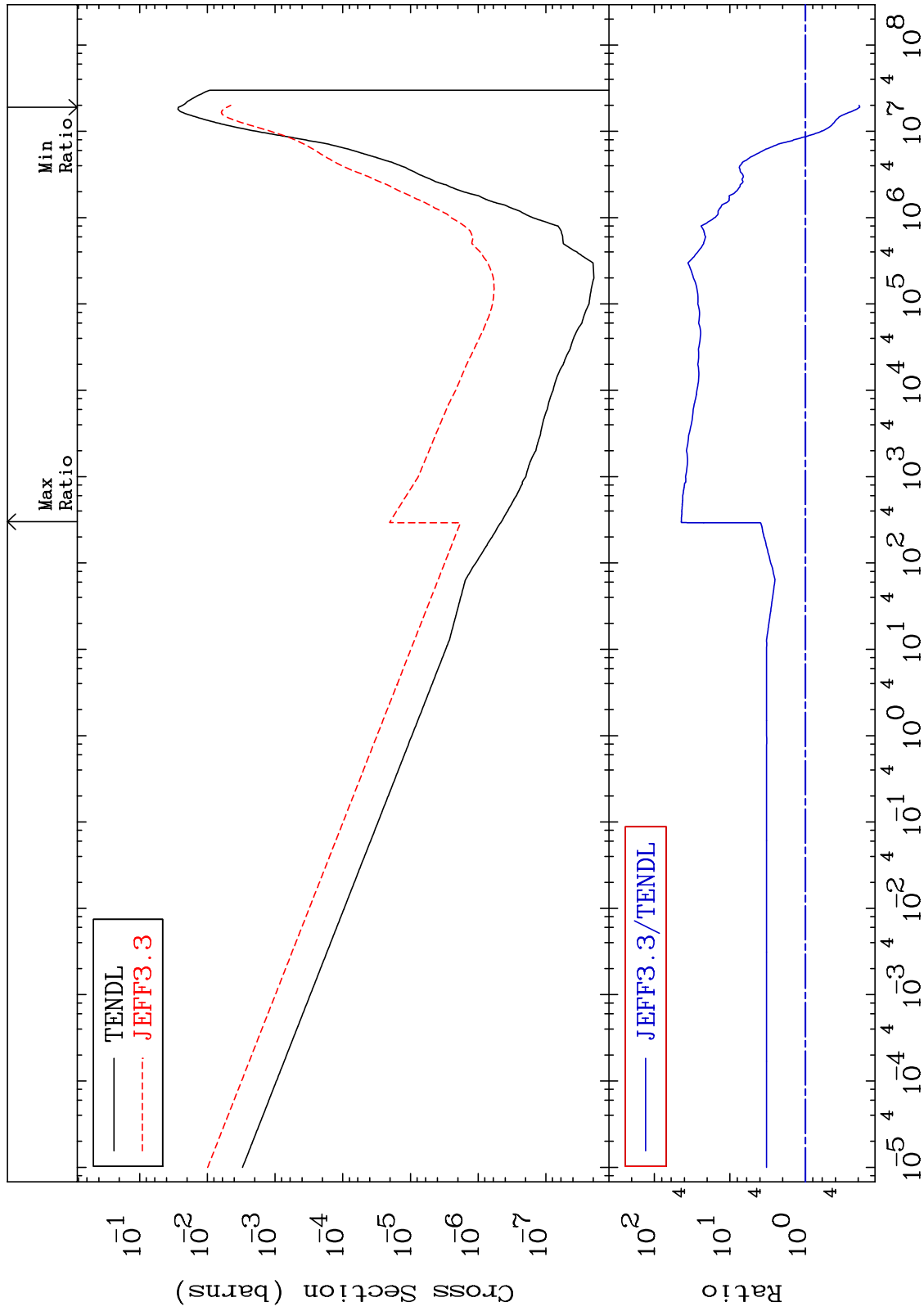
MAT 5034

(n, α)

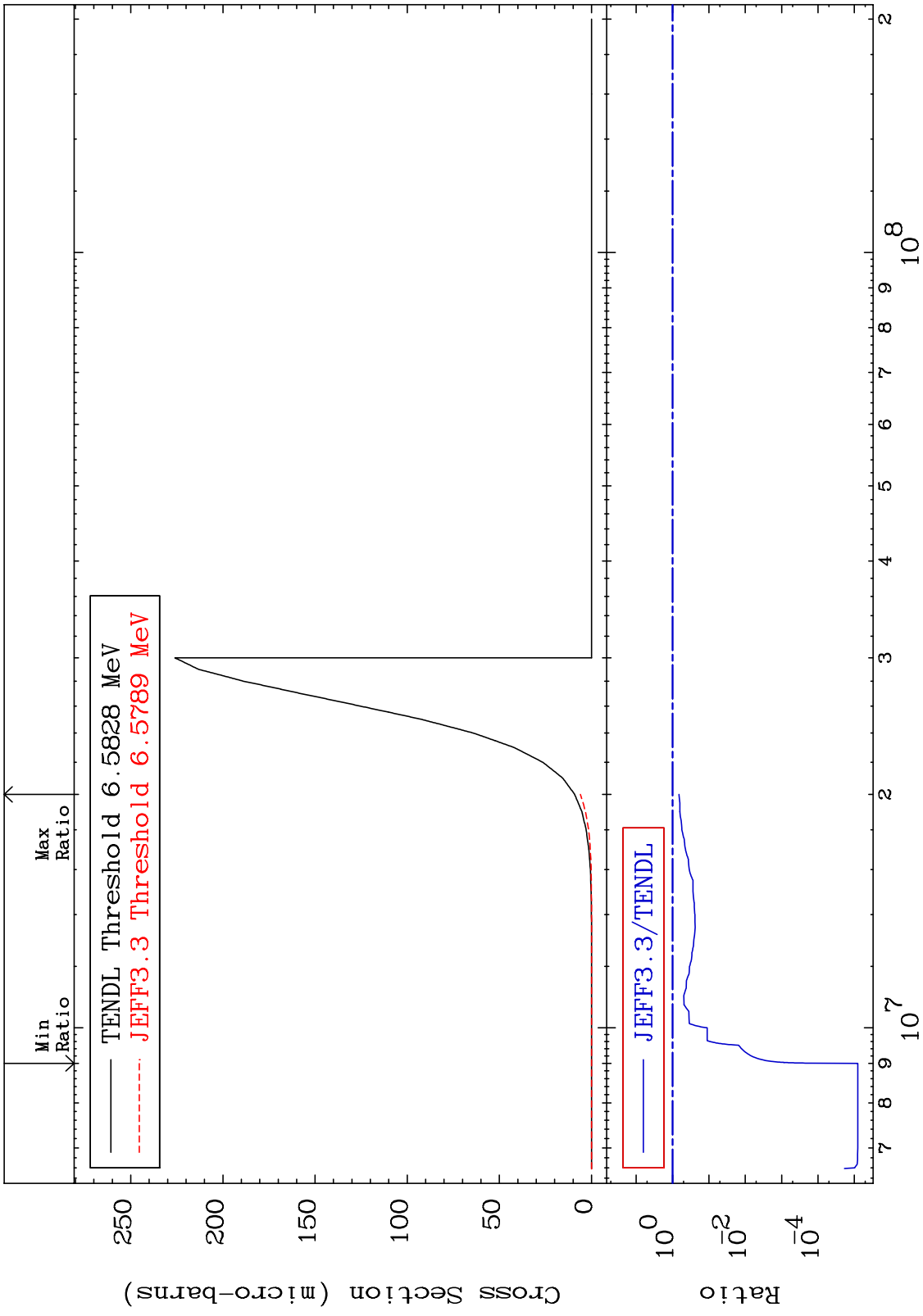
50-Sn-115

Cross Section

-80.89 To 4315. %



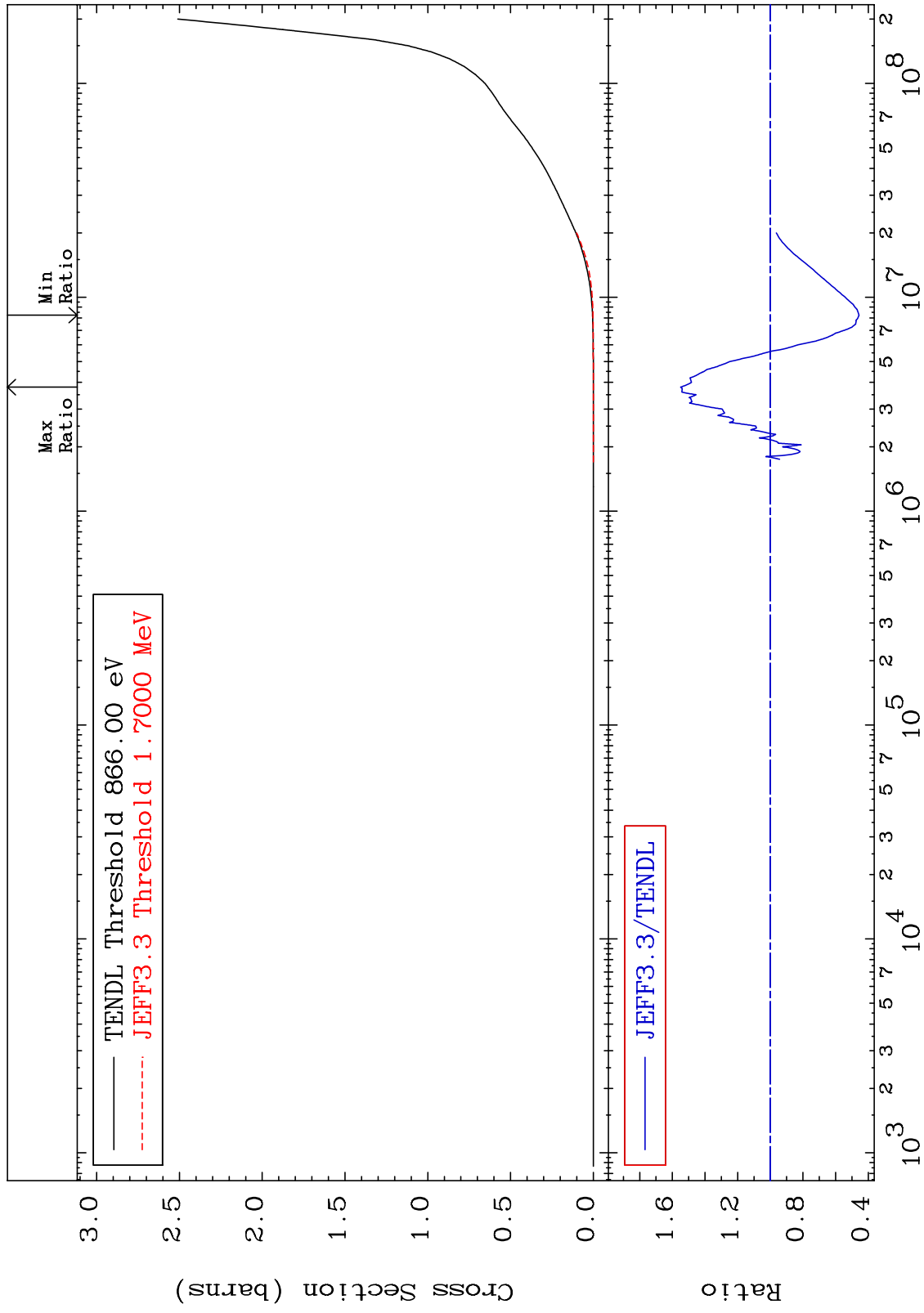
MAT 5034 50-Sn-115
-100.0 To -33.80%



MAT 5034

Hydrogen Production
Cross Section

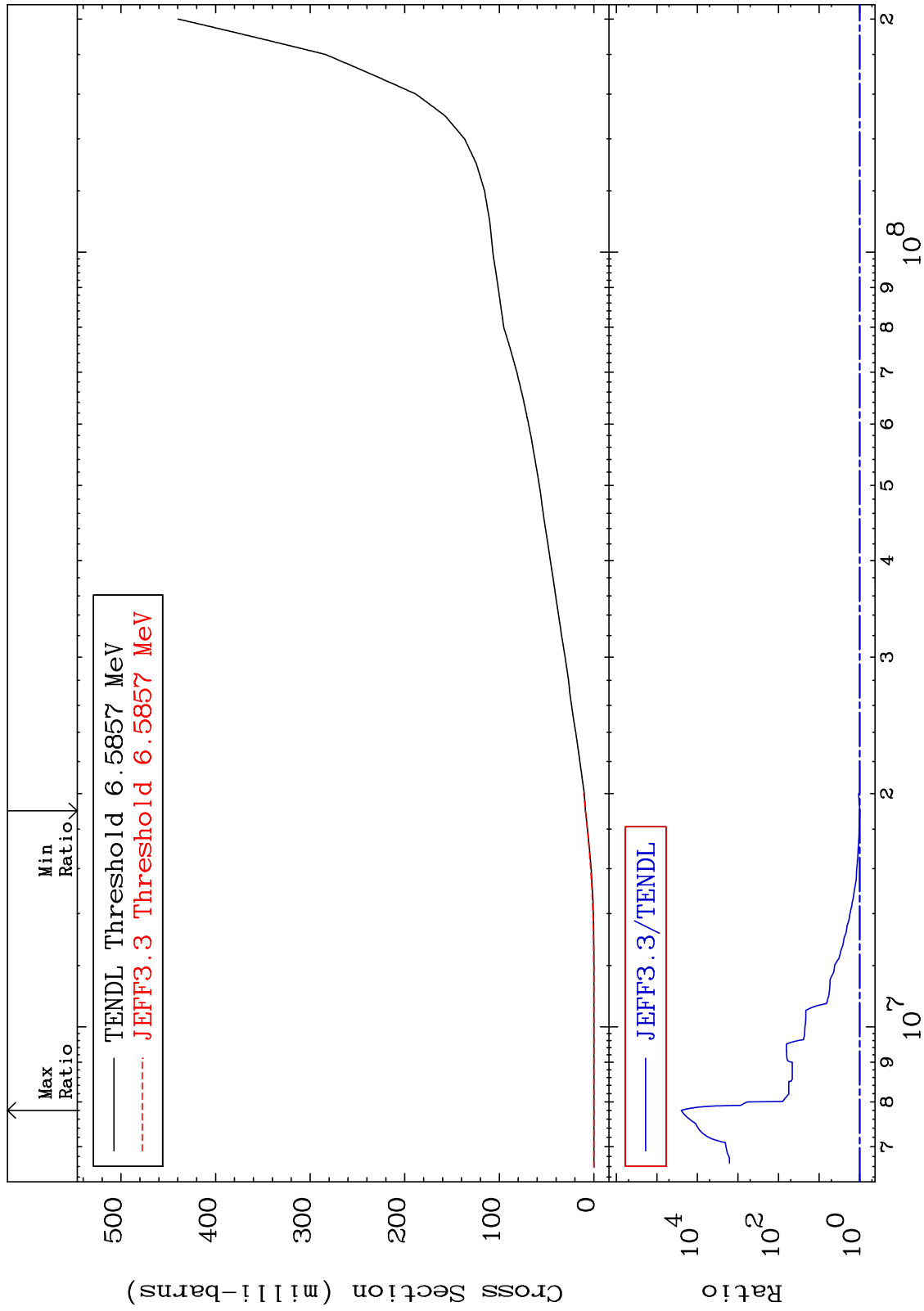
50-Sn-115
-54.32 To 54.92 %



MAT 5034

Deuterium Production
Cross Section

50-Sn-115
-0.697 To 9999. %

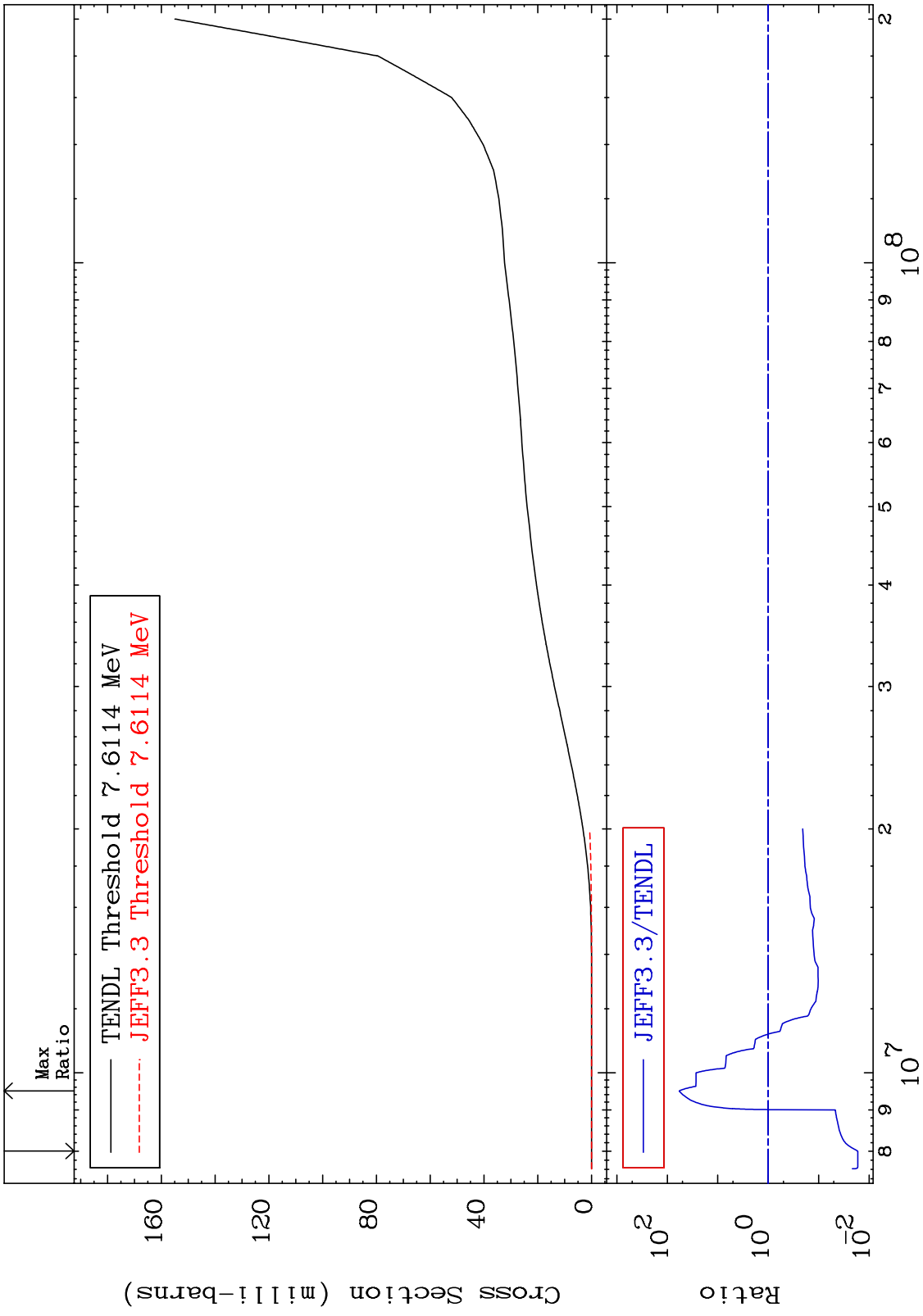


50

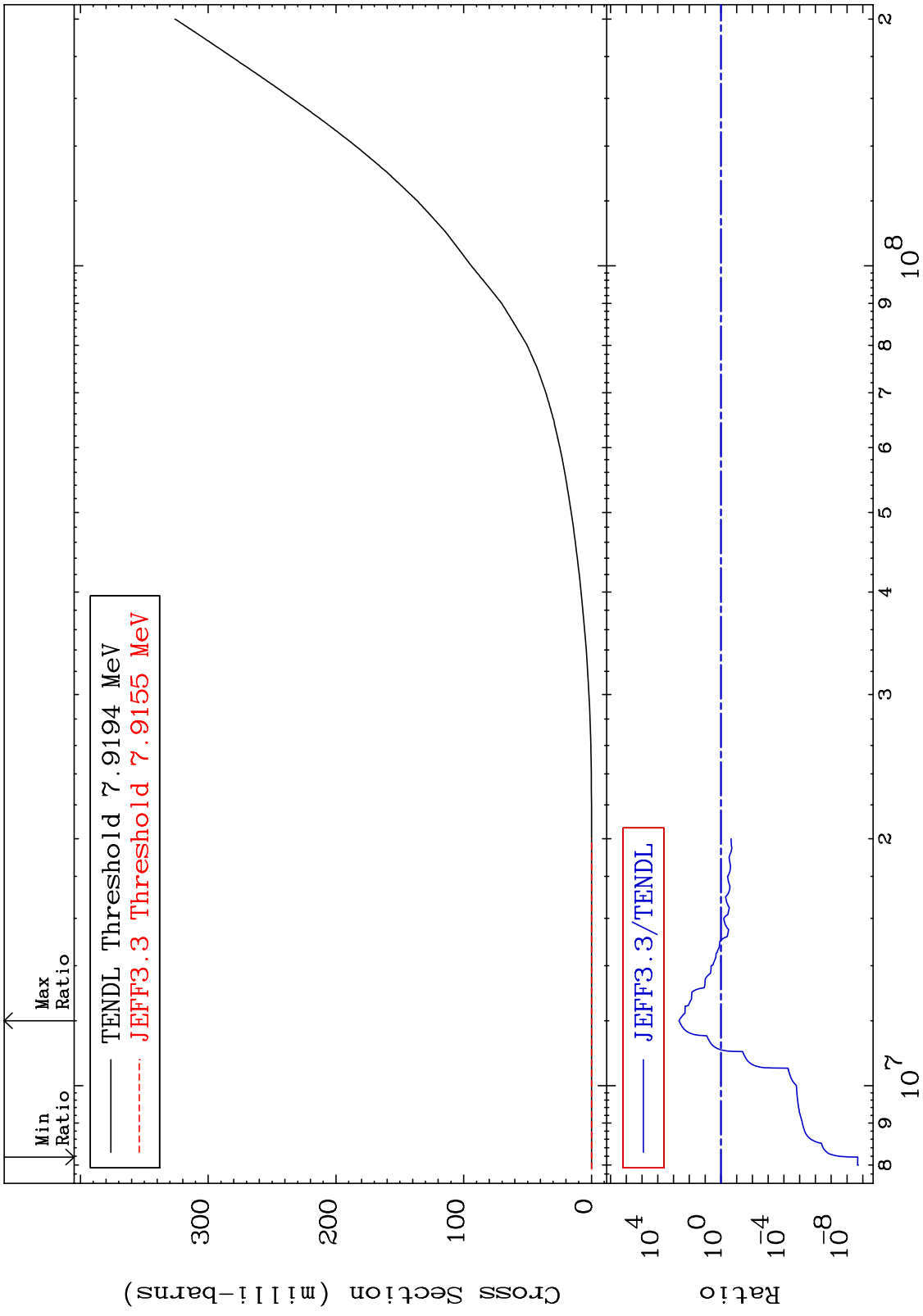
Incident Energy (eV)

50-Sn-115

MAT 5034 Tritium Production Cross Section 50-Sn-115 -98.33 To 5762. %



MAT 5034 He-3 Production Cross Section 50-Sn-115
 -100.0 To 9999. %

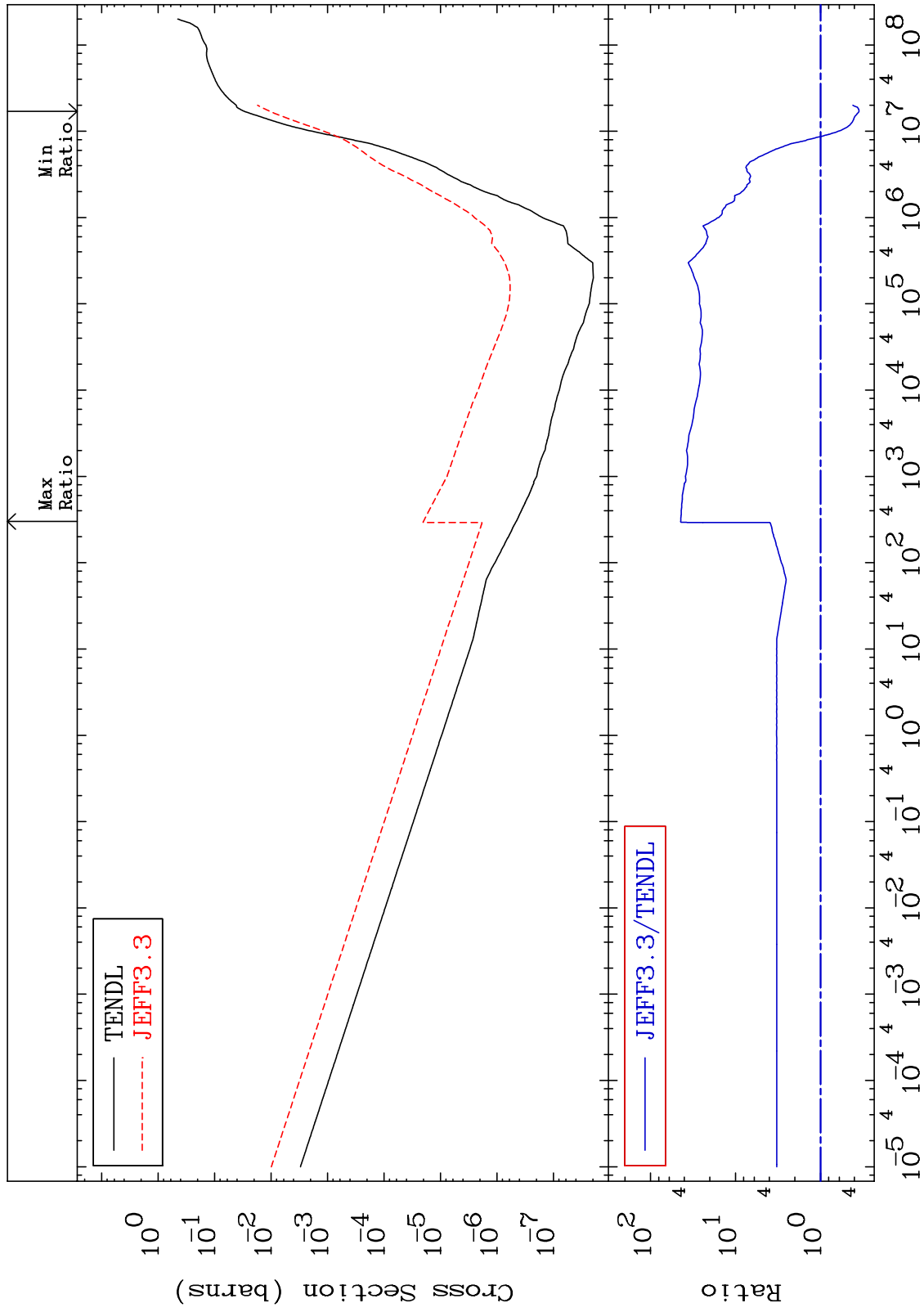


52 Incident Energy (eV) 50-Sn-115

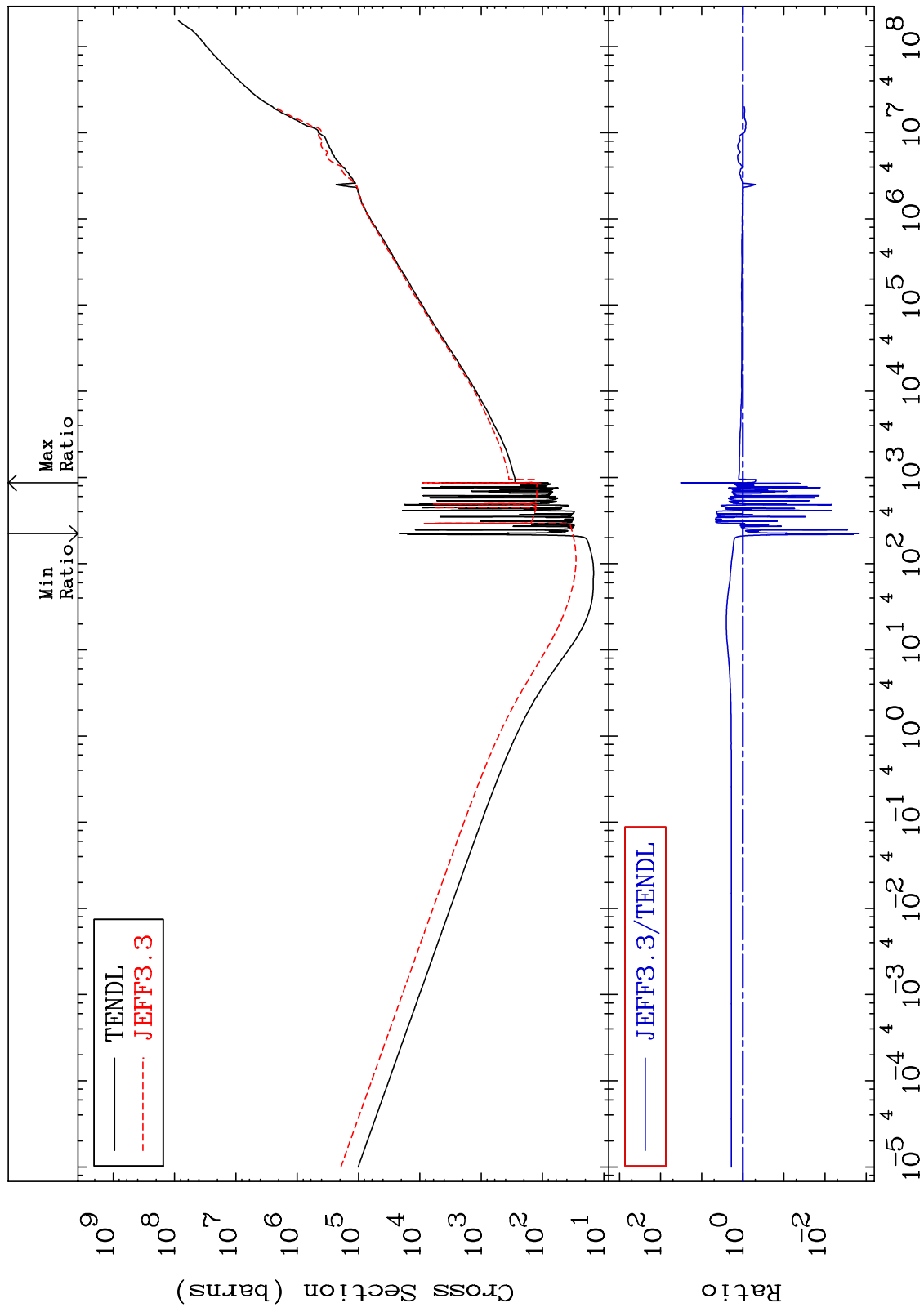
MAT 5034

He-4 Production
Cross Section

50-Sn-115
-64.78 To 4315. %



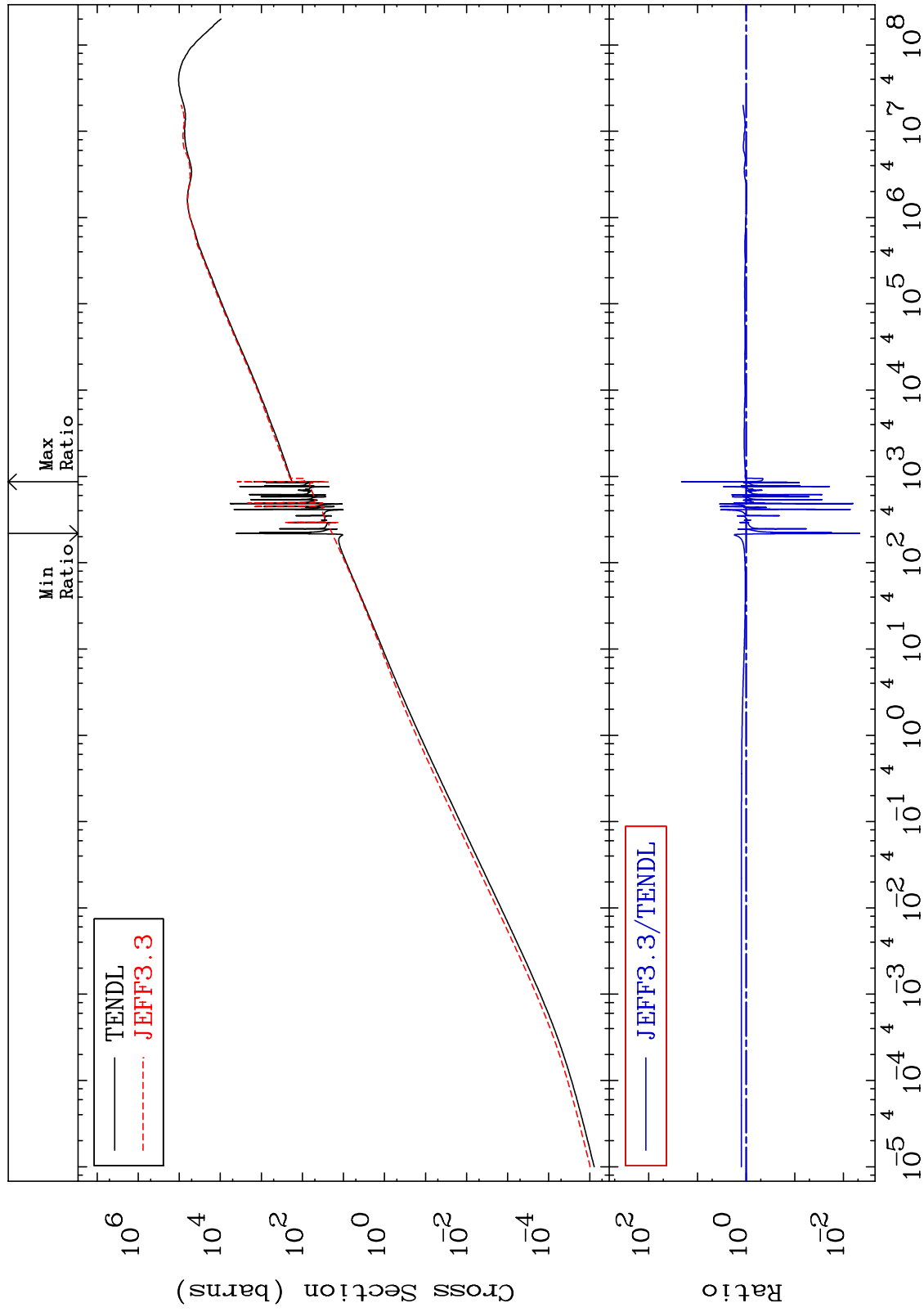
MAT 5034 Kerma total (eV-barns) 50-Sn-115
 Cross Section -99.85 To 3113. %



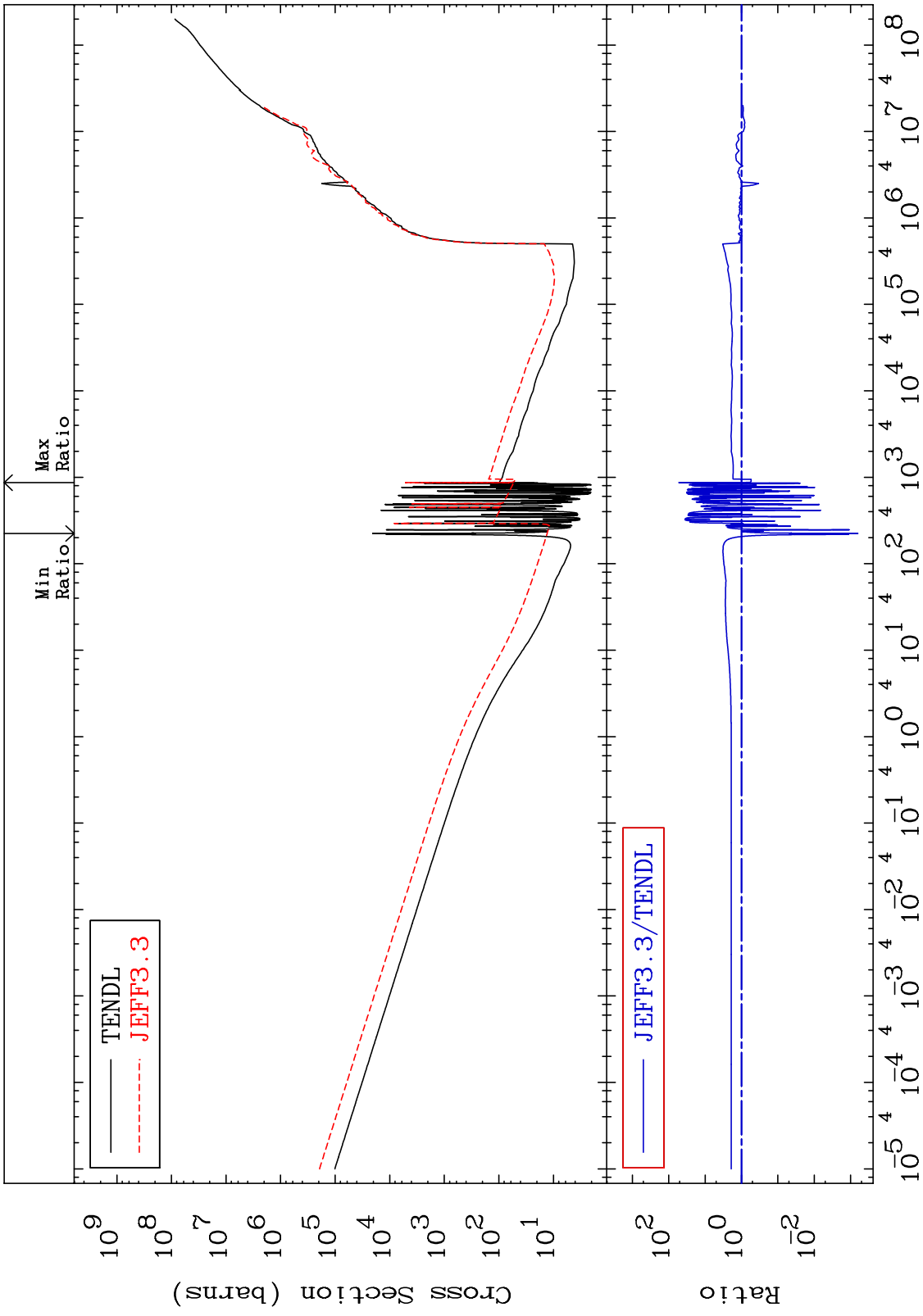
MAT 5034

Kerma elastic
Cross Section

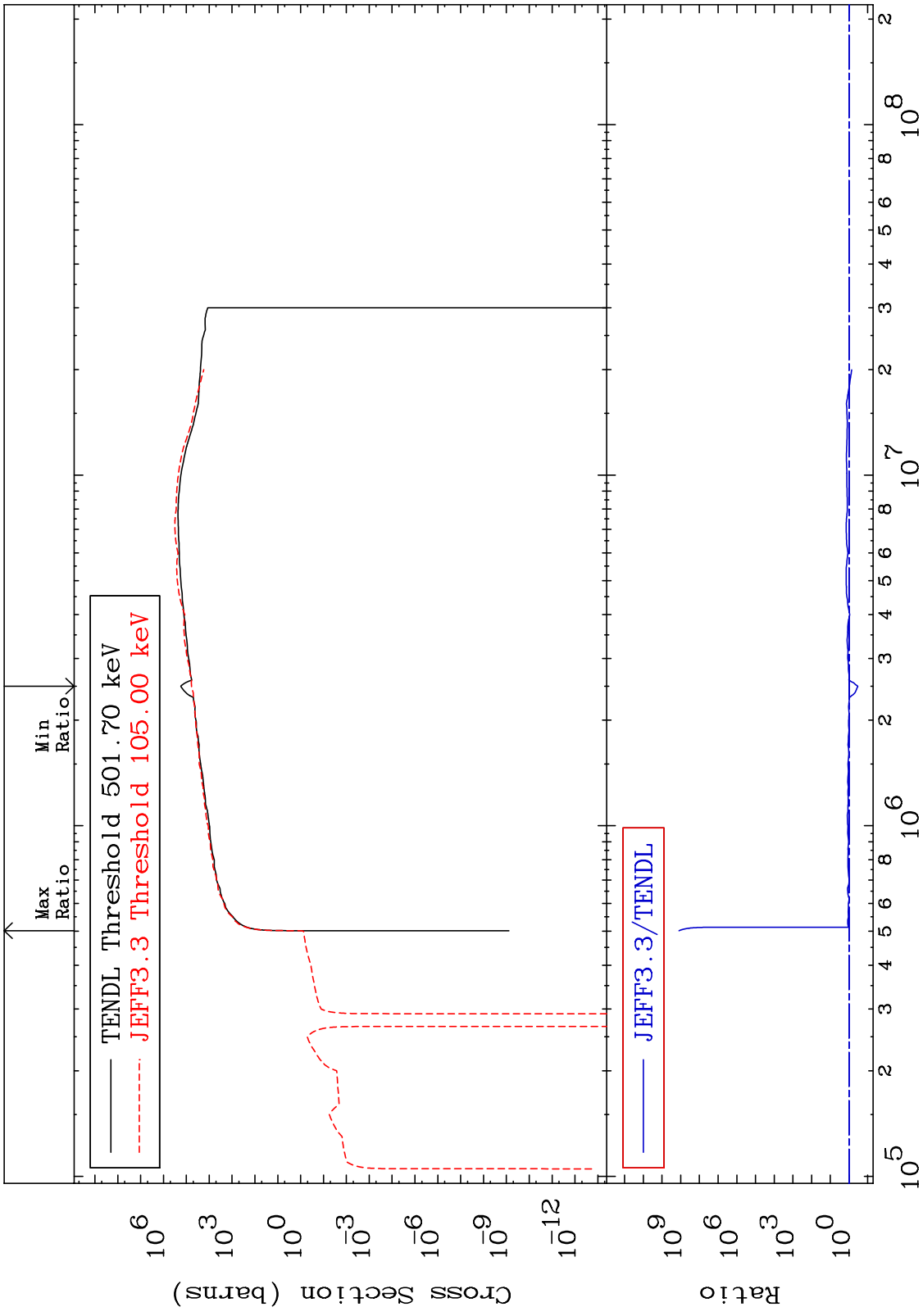
50-Sn-115
-99.54 To 2028. %



MAT 5034 Kerma non-elastic (all but mt2) 50-Sn-115
 -99.94 To 5113. %
 Cross Section



MAT 5034 Kerma inelastic (mt51-91) 50-Sn-115
 -66.29 To 9999. %
 Cross Section

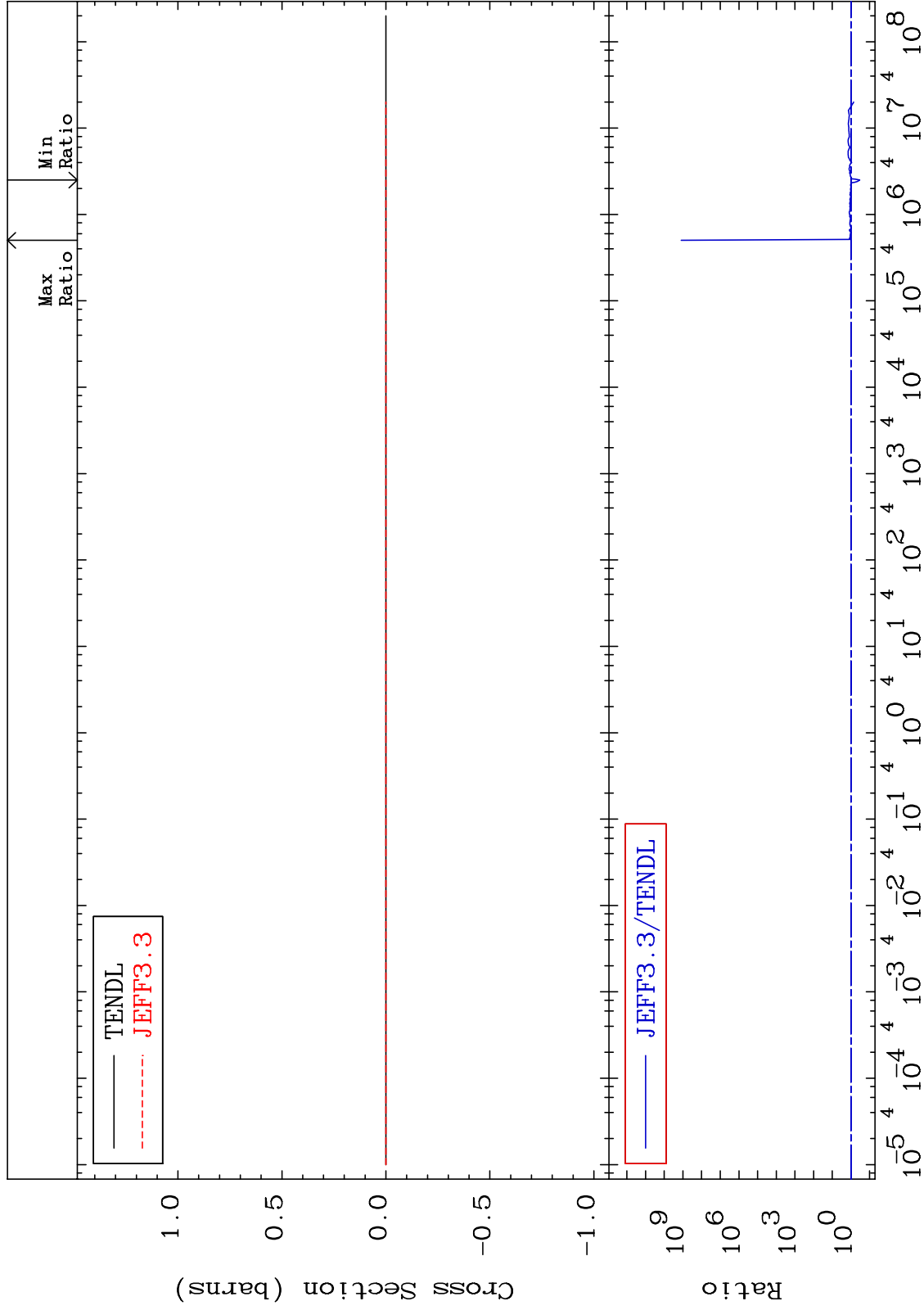


57 Incident Energy (eV) 50-Sn-115

MAT 5034

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

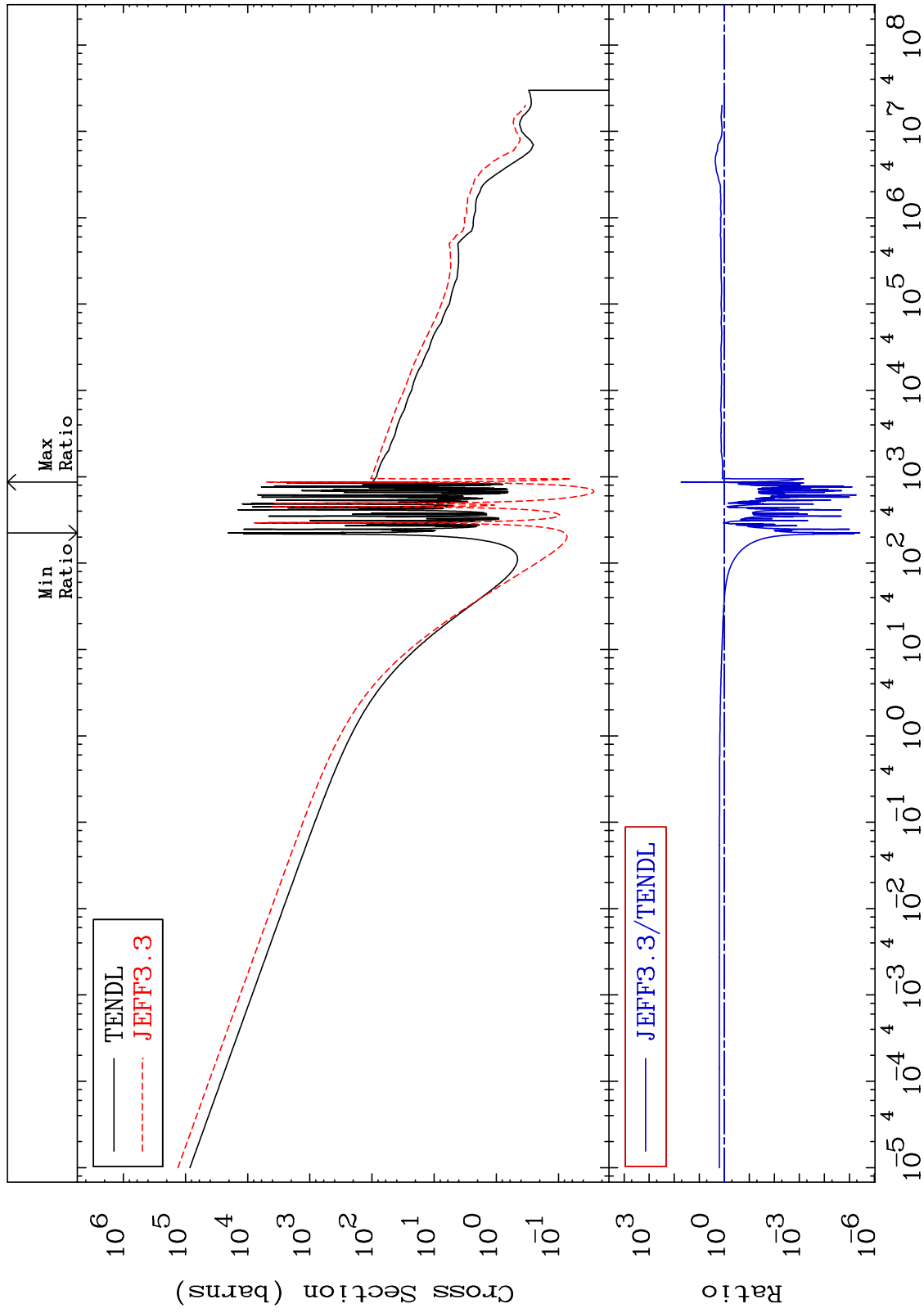
50-Sn-115
-66.29 To 9999. %



MAT 5034

Kerma capture (mt102)
Cross Section

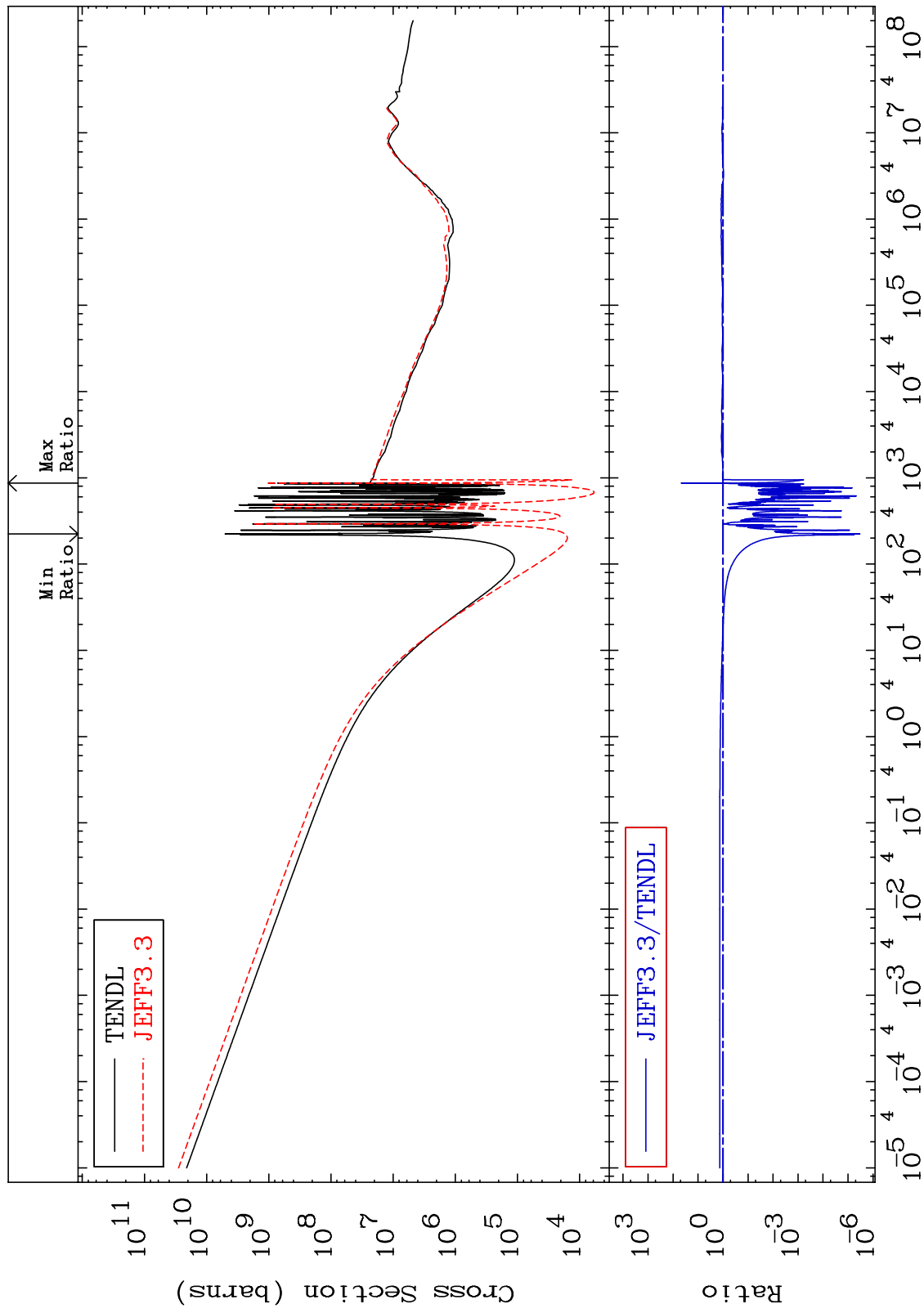
50-Sn-115
-100.0 To 5124. %



MAT 5034

Total photon (eV-barns)
Cross Section

50-Sn-115
-100.0 To 4492. %

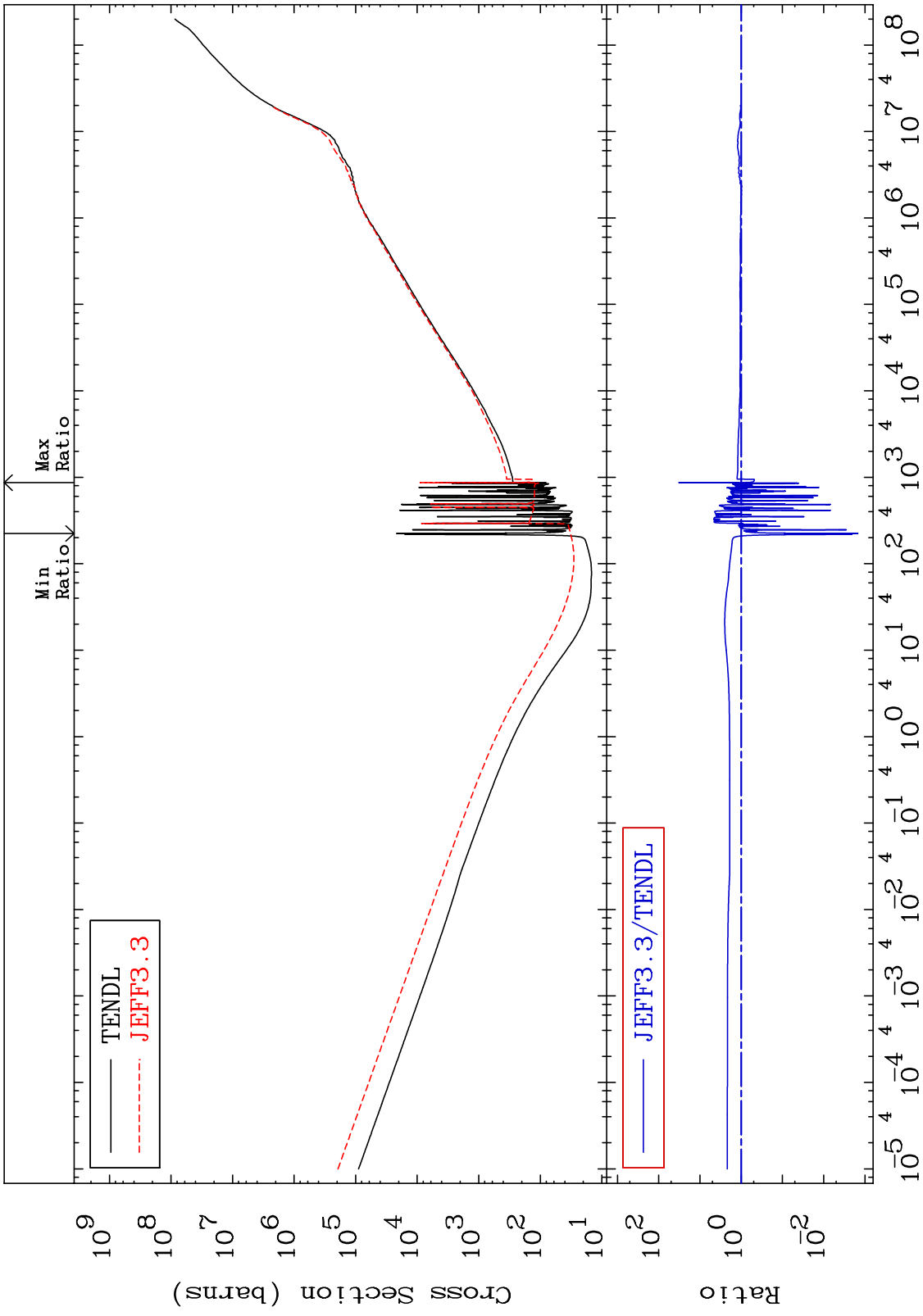


60

Incident Energy (eV)

50-Sn-115

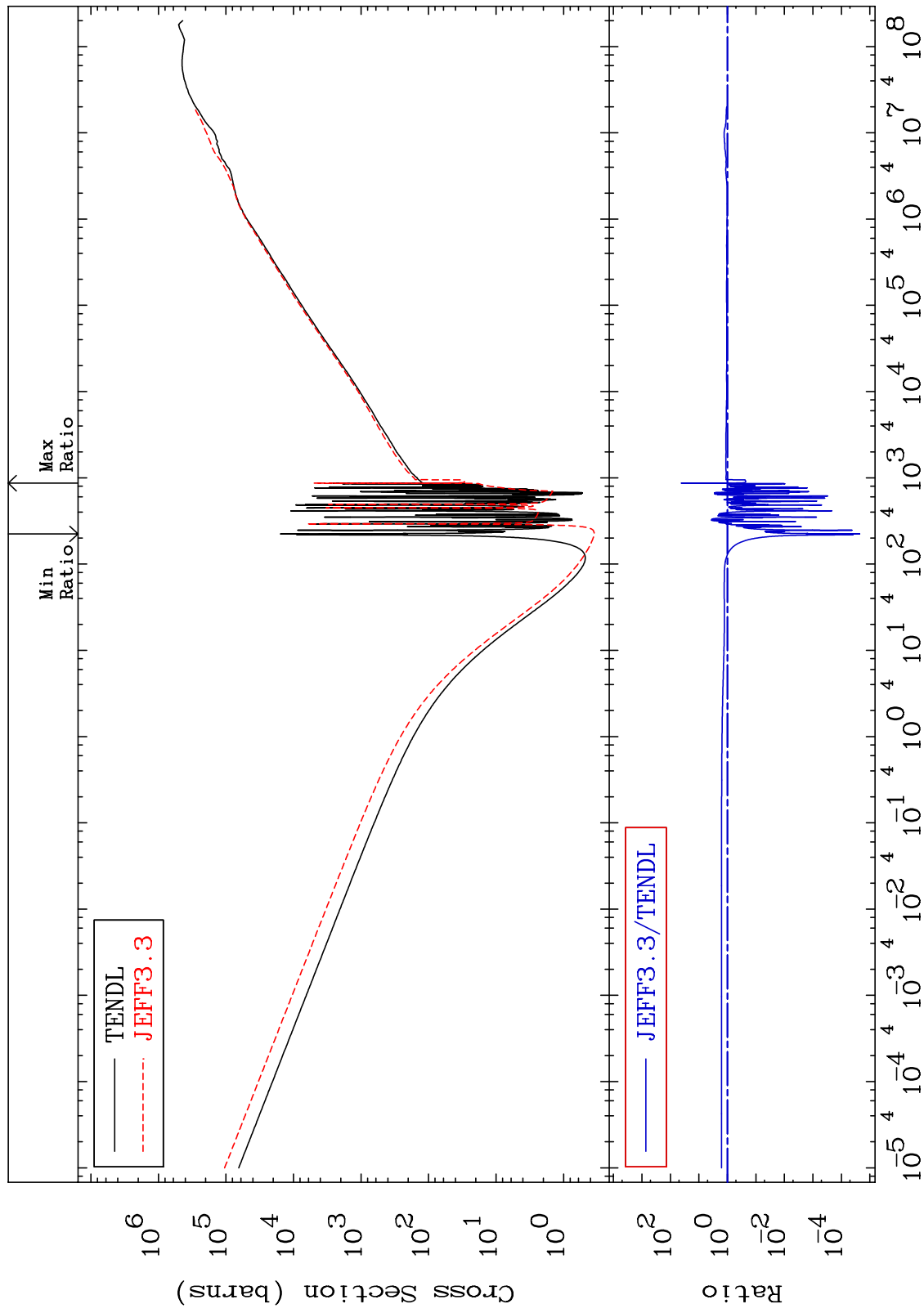
MAT 5034 Total kinematic kerma (high limit) 50-Sn-115
 Cross Section -99.85 To 3113. %



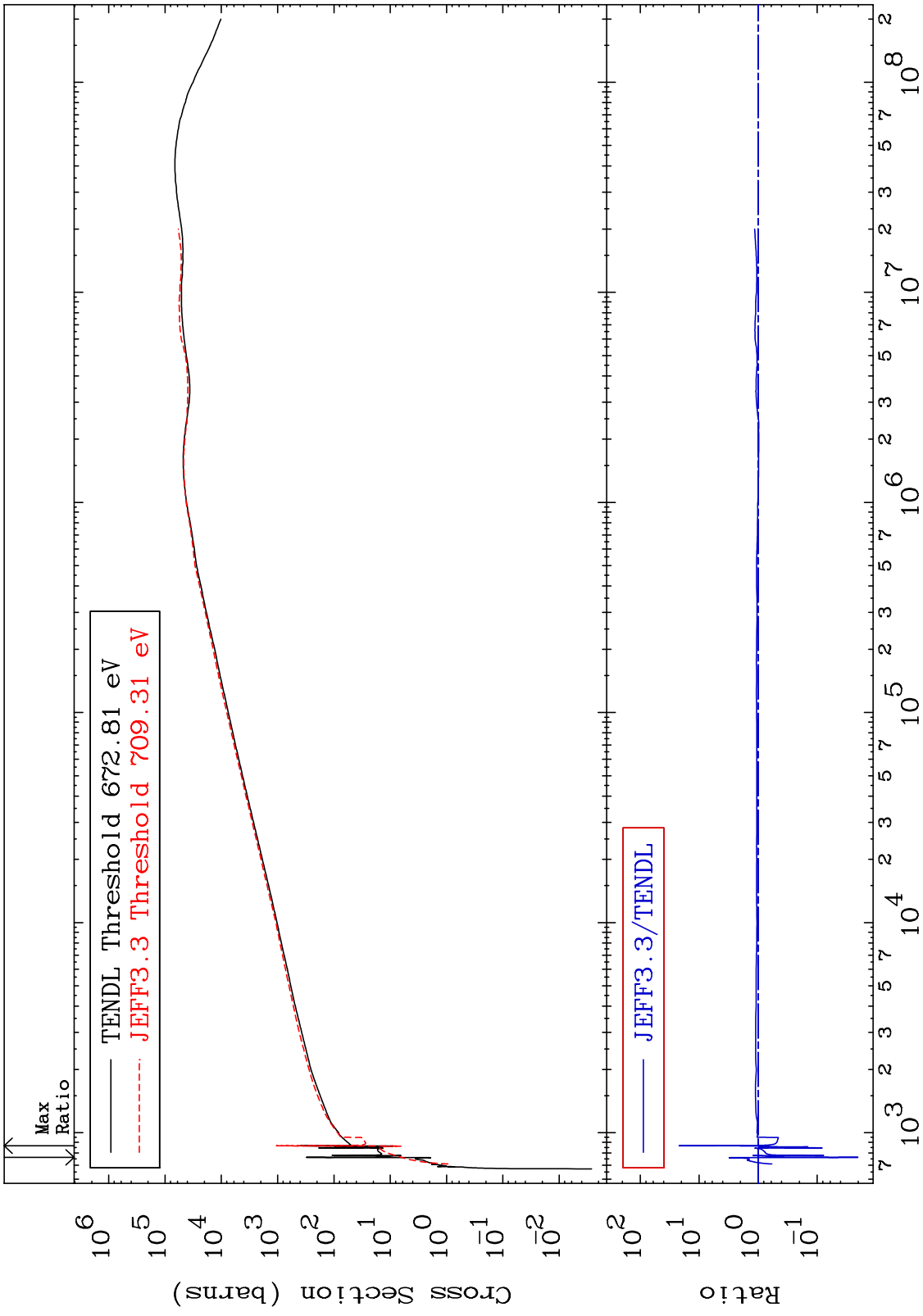
MAT 5034

Dpa total (eV-barns)
Cross Section

50-Sn-115
-100.0 To 3992. %



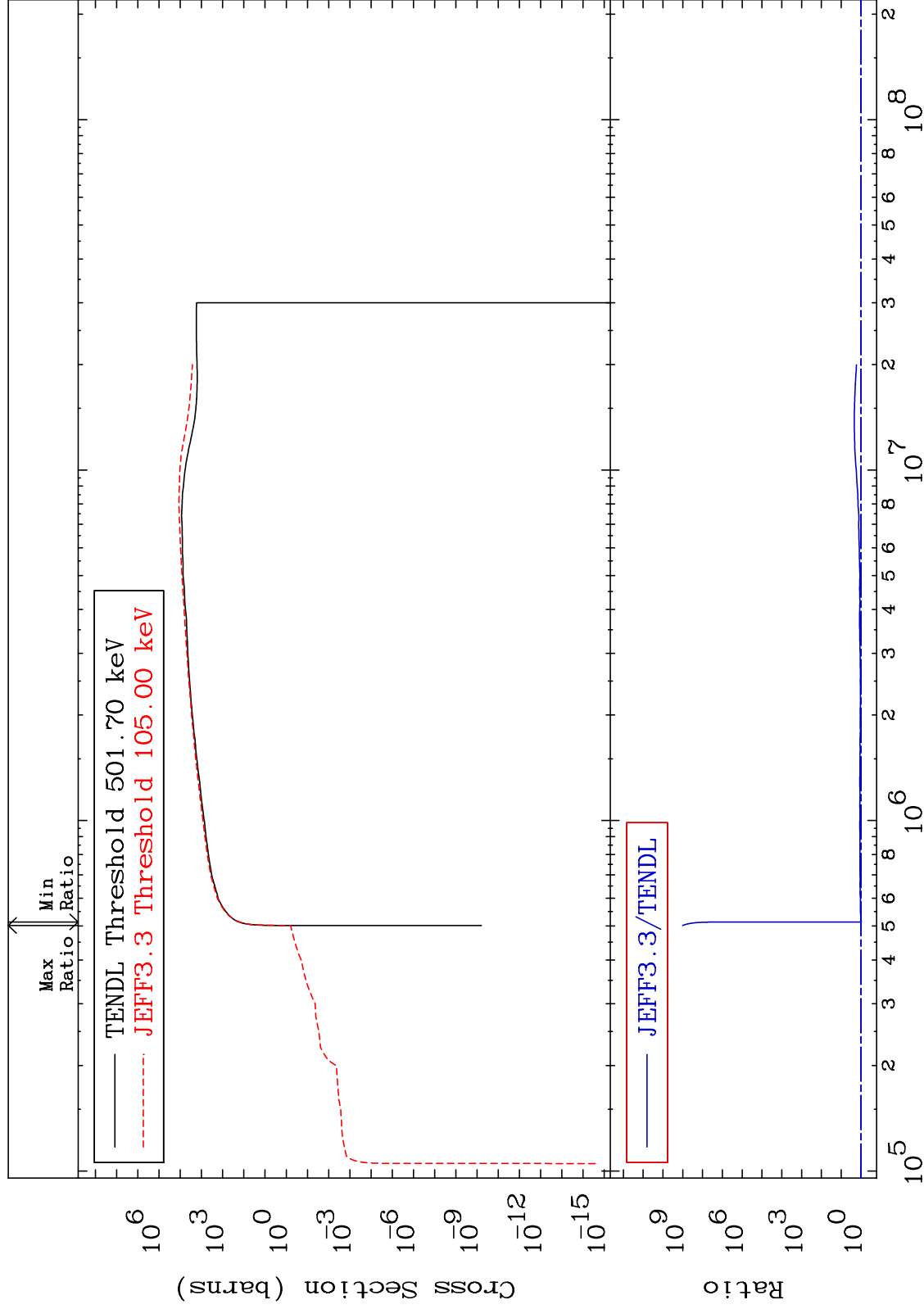
MAT 5034 Dpa elastic (mt2) 50-Sn-115
 Cross Section -97.96 To 2094. %



MAT 5034

Dpa inelastic (mt51-91)
Cross Section

50-Sn-115
-3.997 To 9999. %



64

Incident Energy (eV)

50-Sn-115

MAT 5034 Dpa disappearance (mt102 -120) 50-Sn-115
 Cross Section -100.0 To 5233. %

