

Program Complot
(Version 2018-1)

by

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(Present Contact Information)

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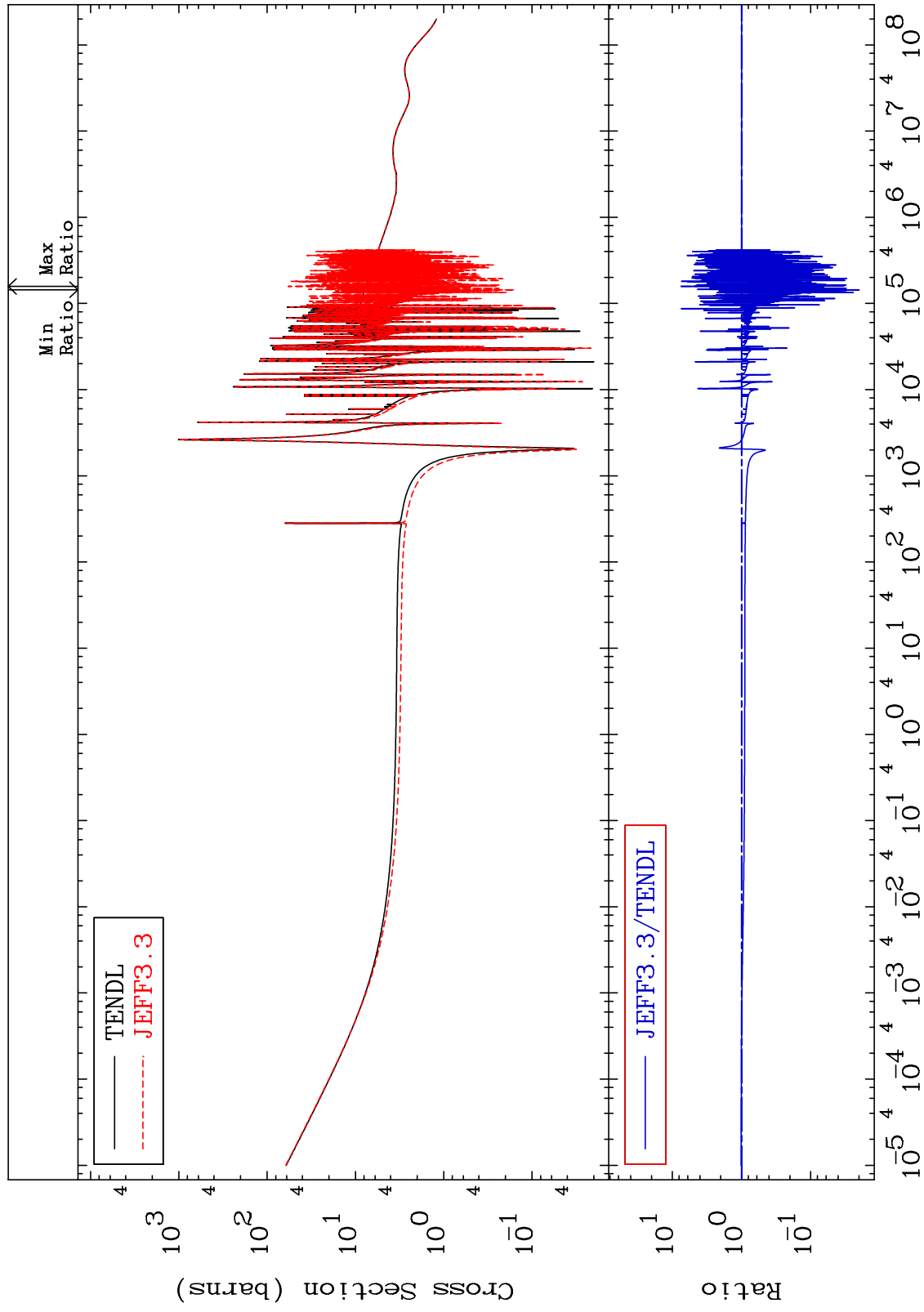
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3025

Total
Cross Section

30-Zn-64
-98.00 To 654.1 %



1

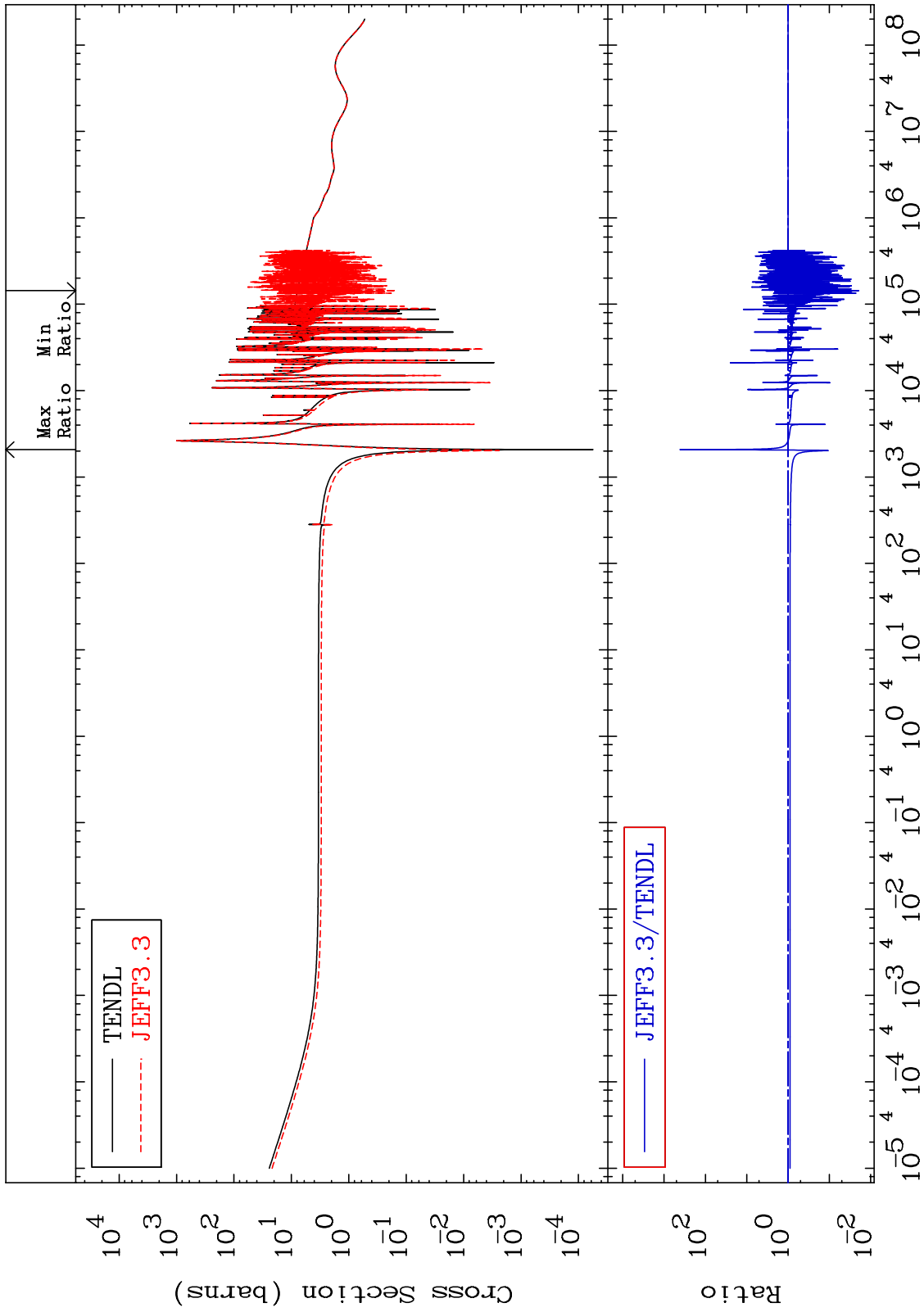
Incident Energy (eV)

30-Zn-64

MAT 3025

Elastic
Cross Section

30-Zn-64
-98.08 To 9999. %



2

Incident Energy (eV)

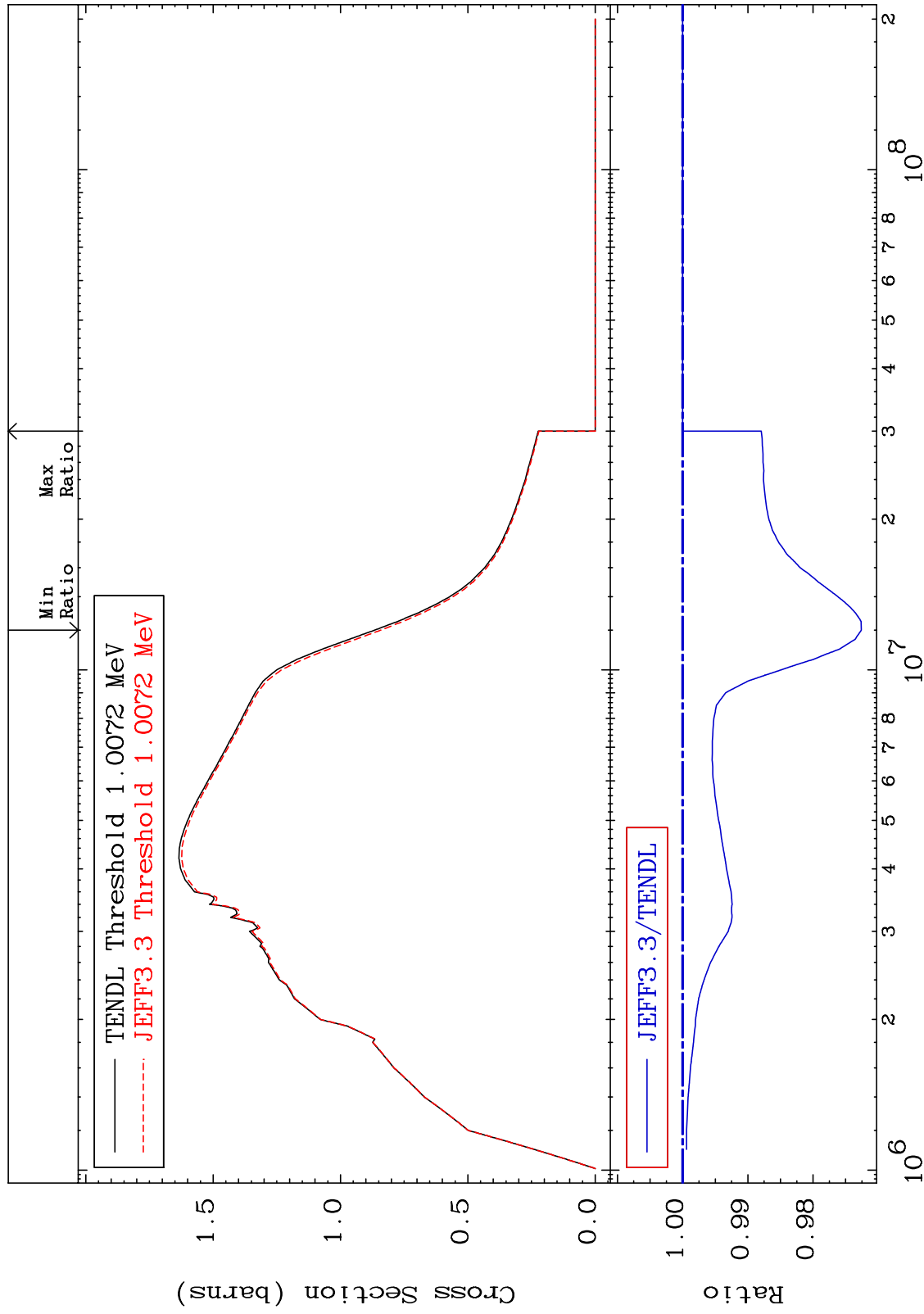
30-Zn-64

MAT 3025

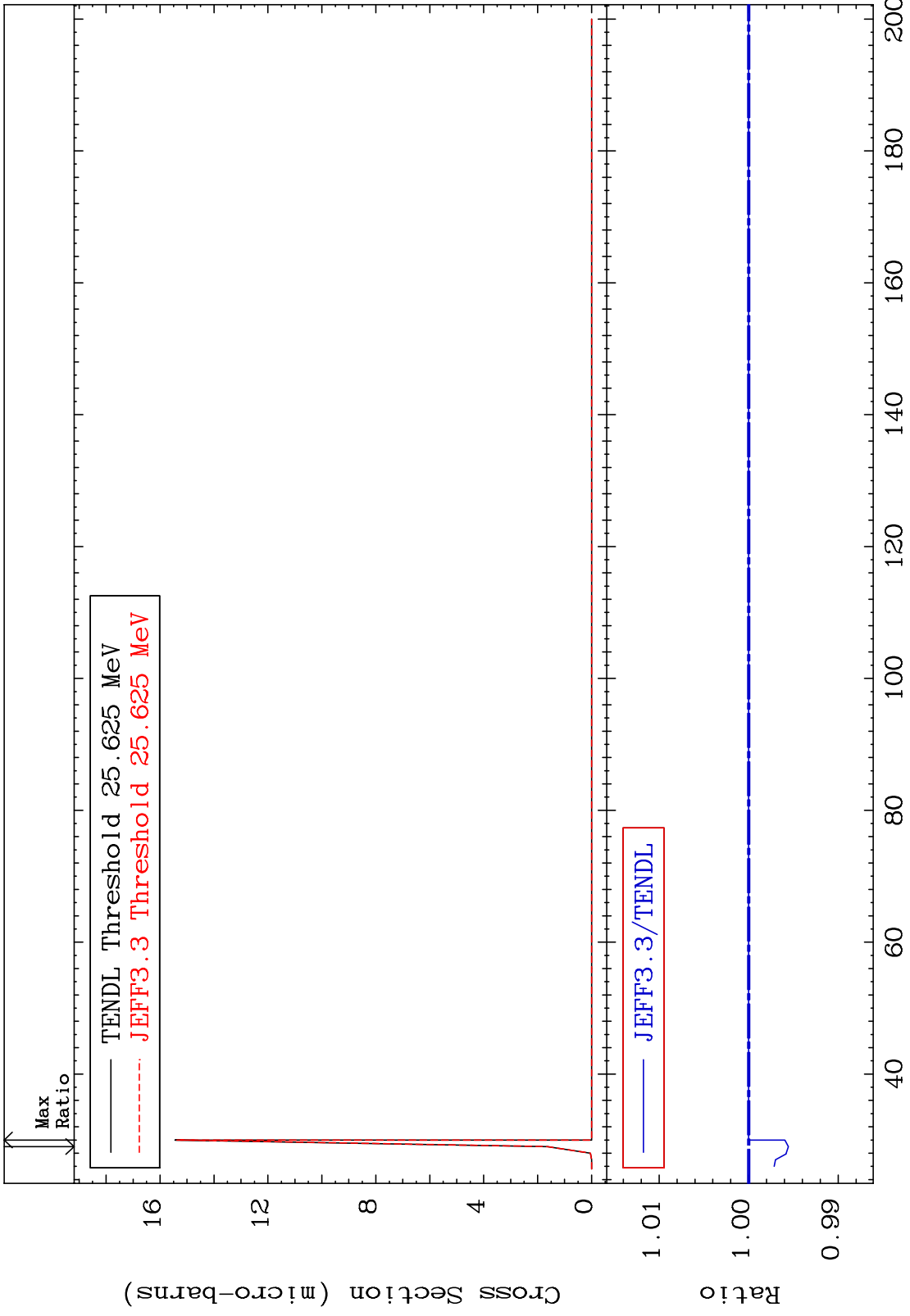
30-Zn-64

Inelastic
Cross Section

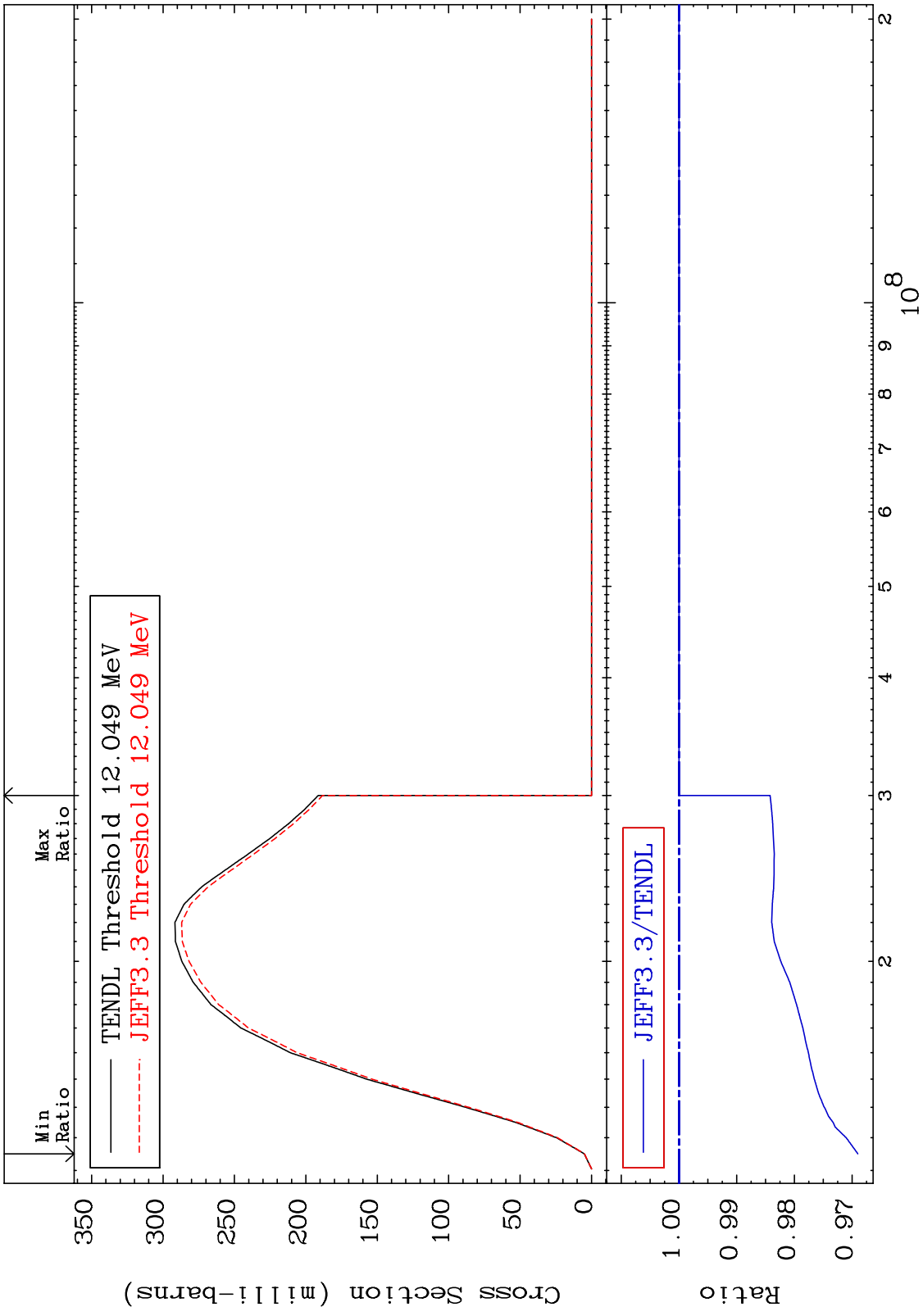
-2.741 To 0.000 %



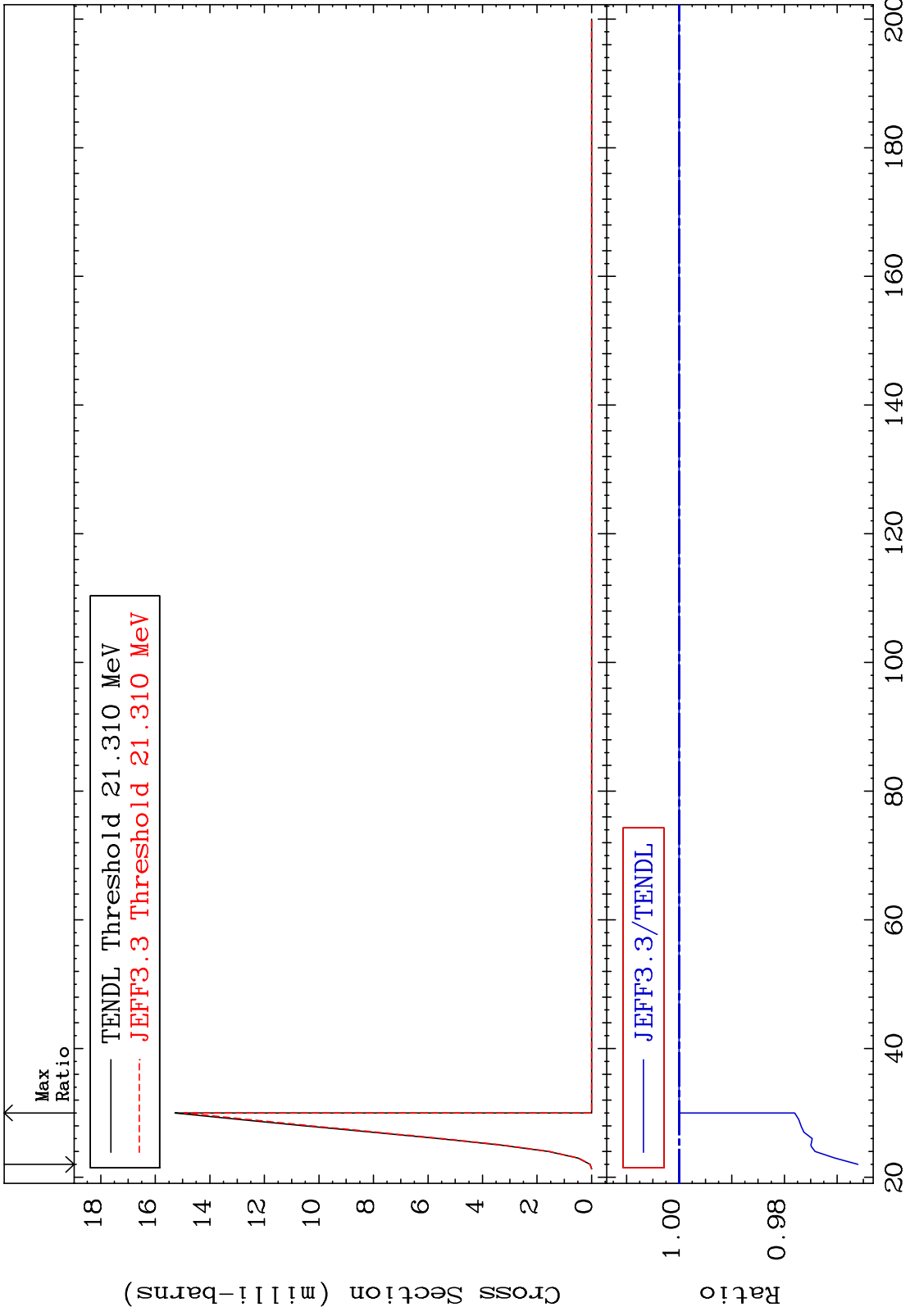
MAT 3025 (n,2n) d 30-Zn-64
Cross Section -0.443 To 0.000 %



MAT 3025 $(n, 2n)$ Cross Section 30-Zn-64
 -3.099 To 0.000 %

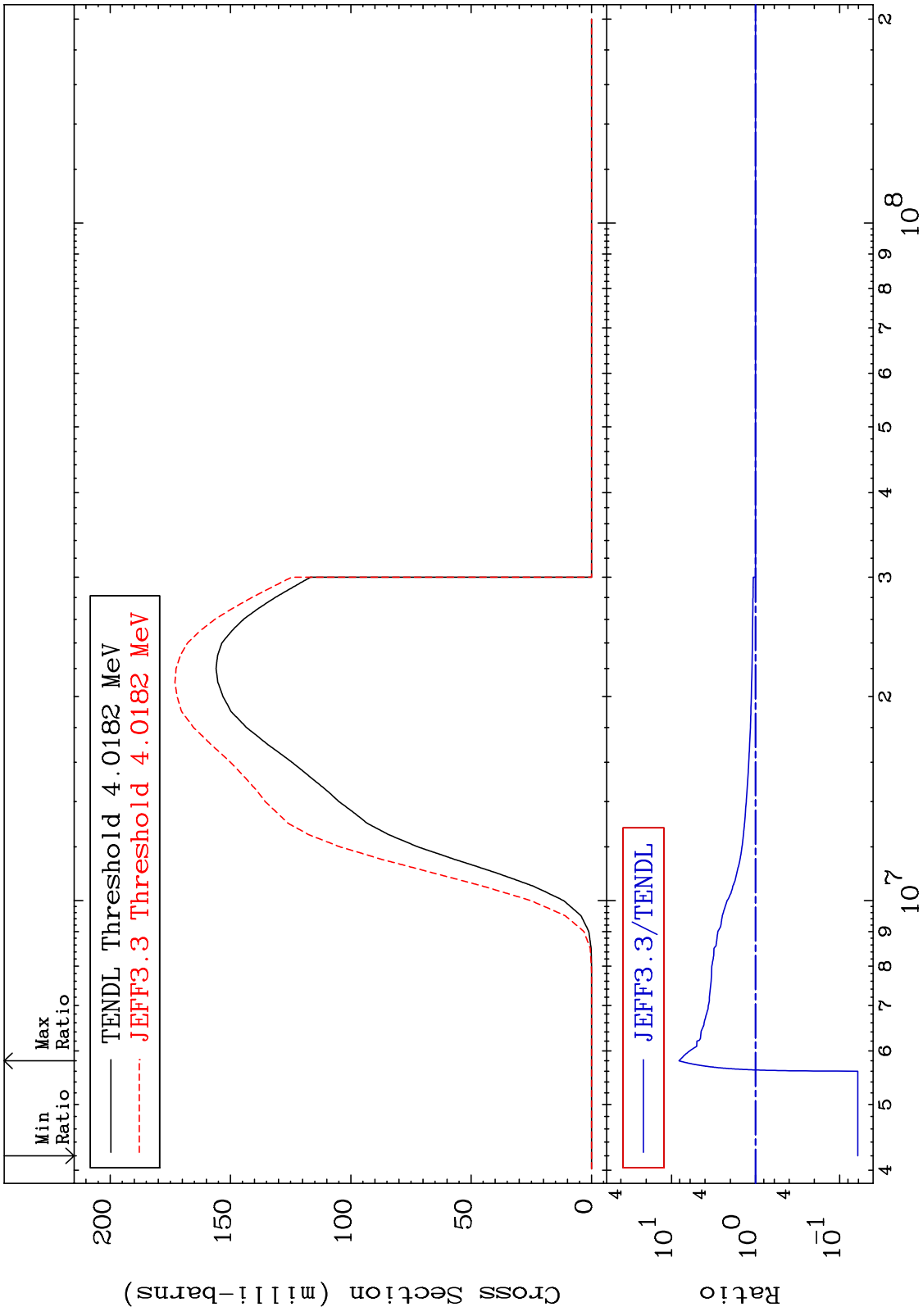


MAT 3025 (n,3n) 30-Zn-64
Cross Section -3.397 To 0.000 %



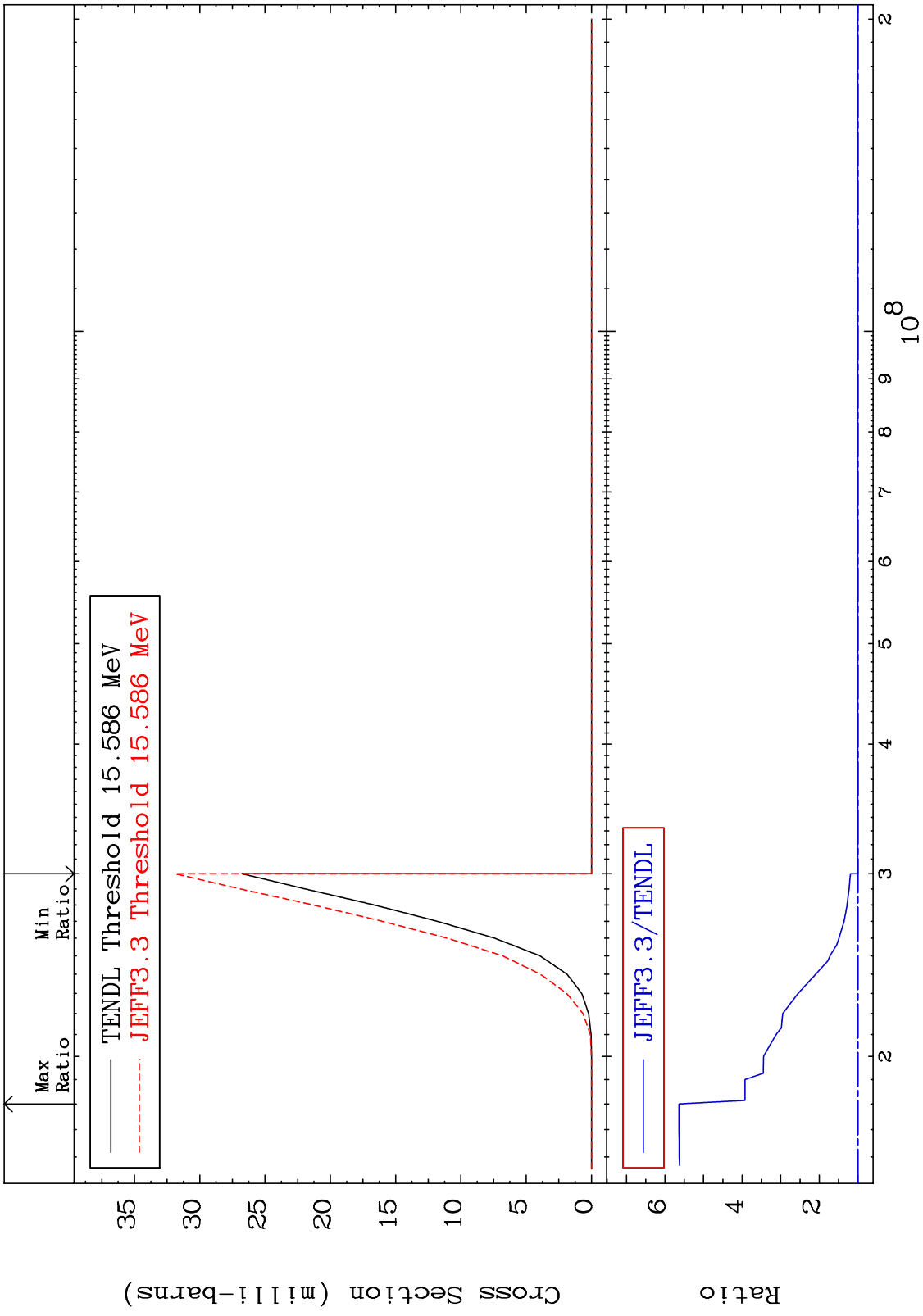
6 30-Zn-64

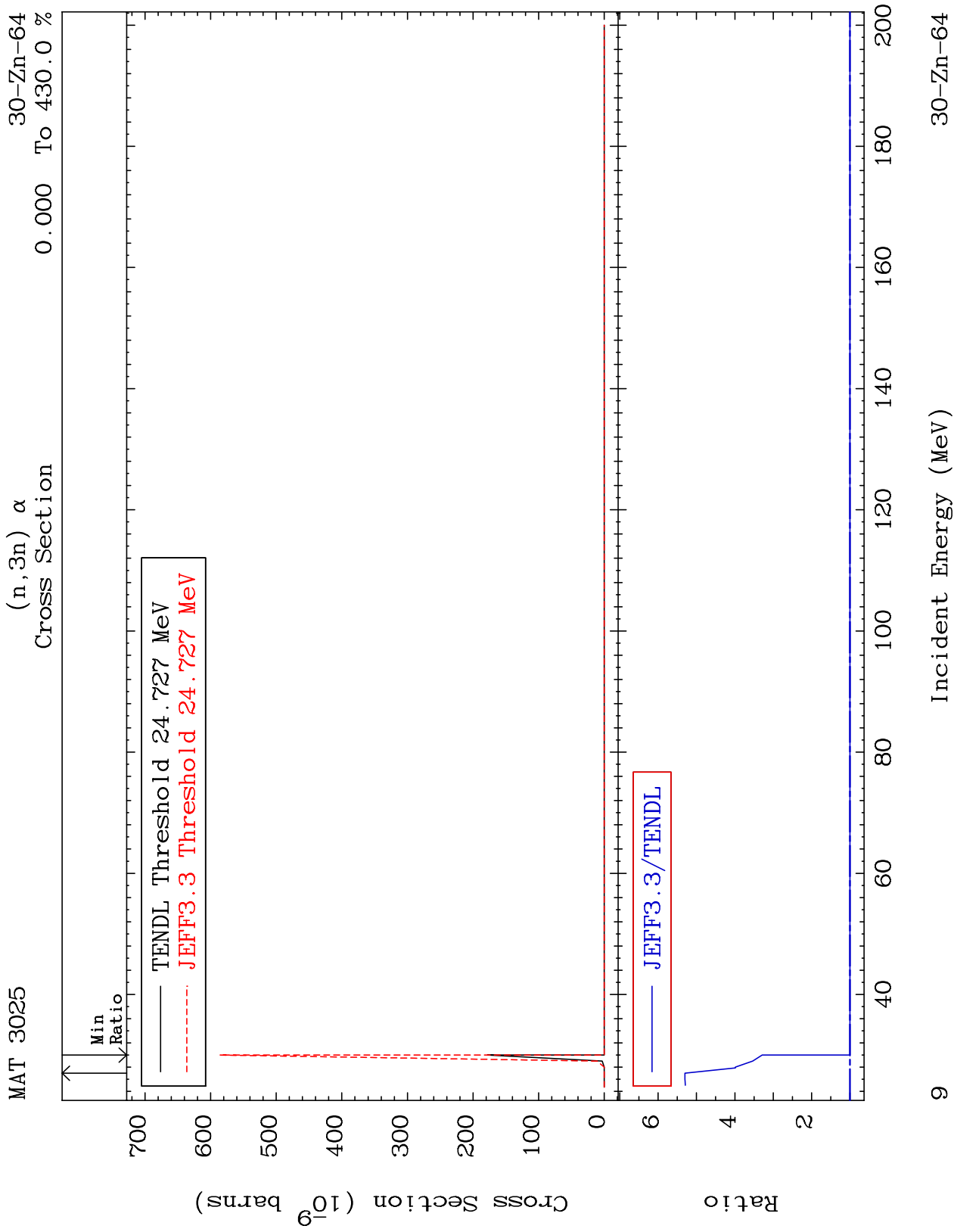
MAT 3025 $(n, n') \alpha$ 30-Zn-64
 Cross Section -93.91 To 712.6 %



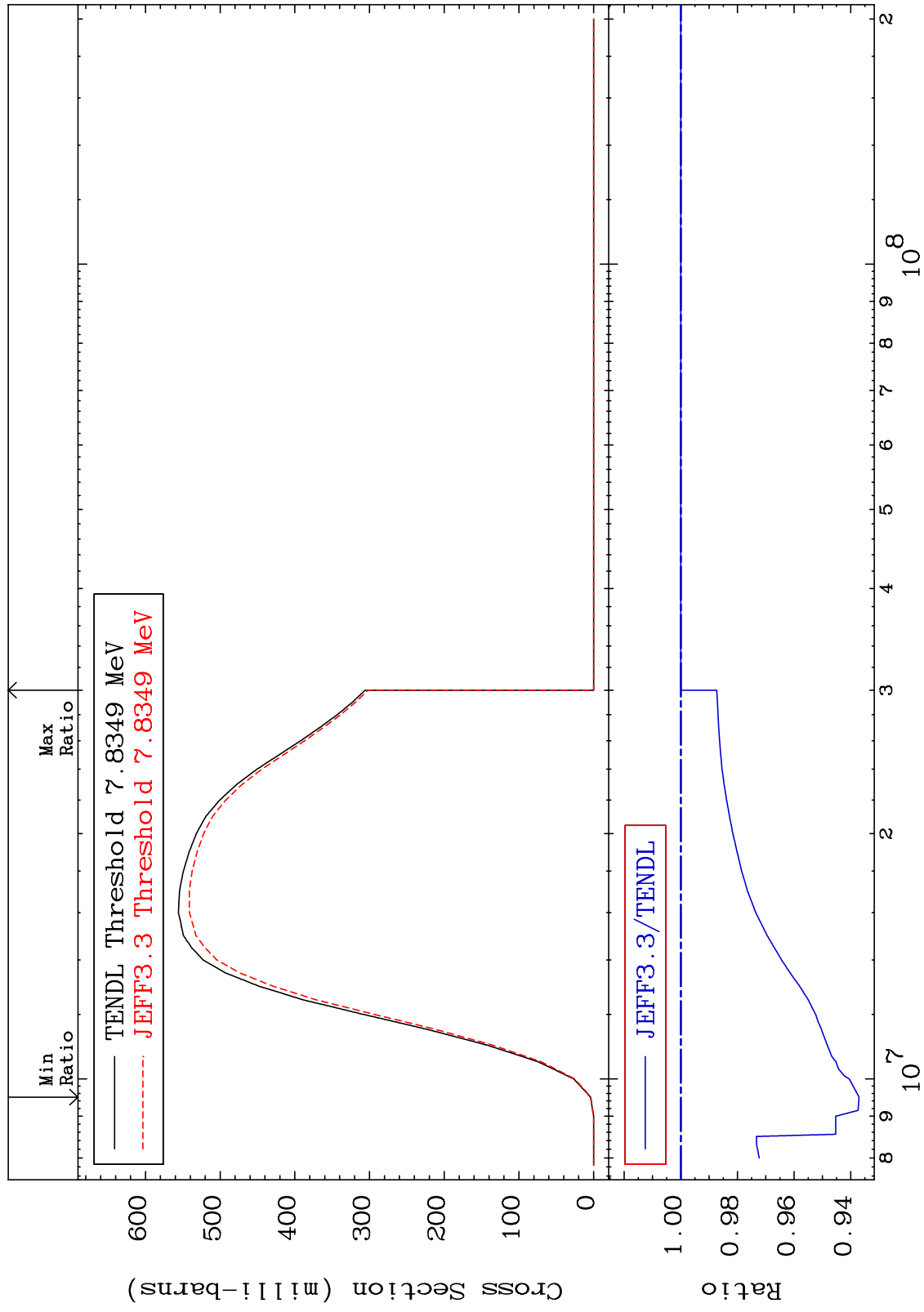
7 Incident Energy (eV) 30-Zn-64

MAT 3025 $(n, 2n) \alpha$ 30-Zn-64
 Cross Section To 463.6 %



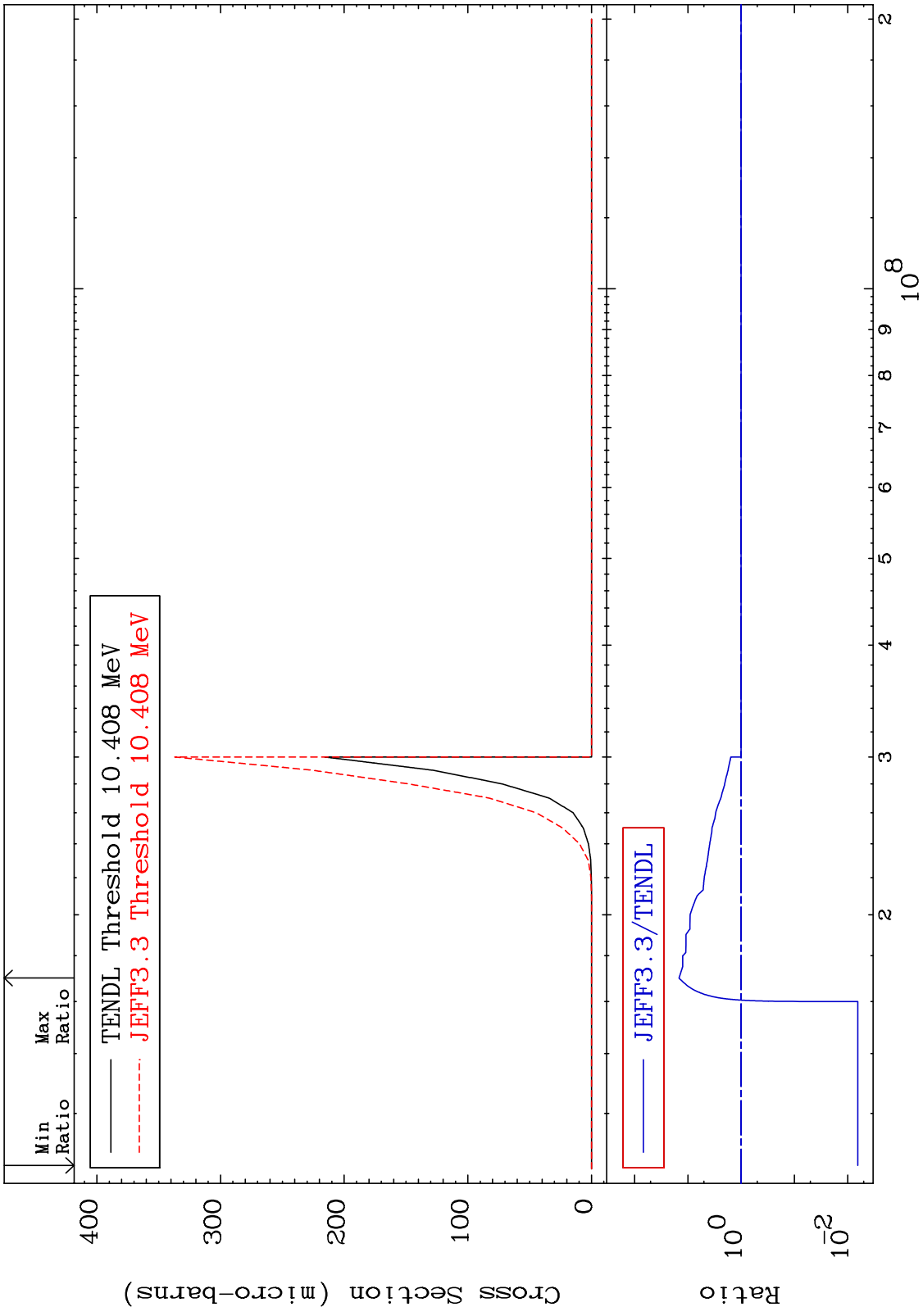


MAT 3025 (n, n') p 30-Zn-64
Cross Section -6.293 To 0.000 %

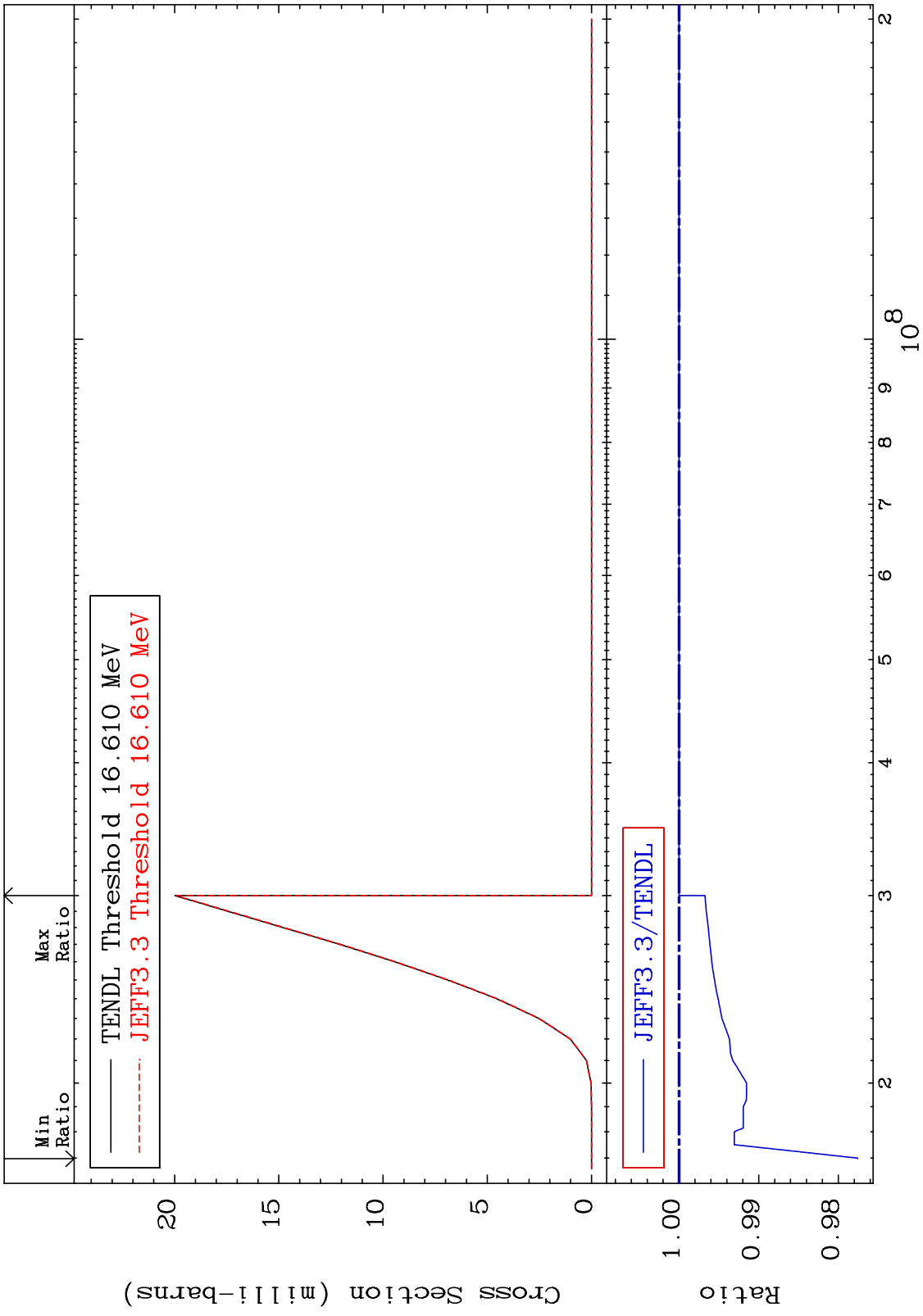


30-Zn-64

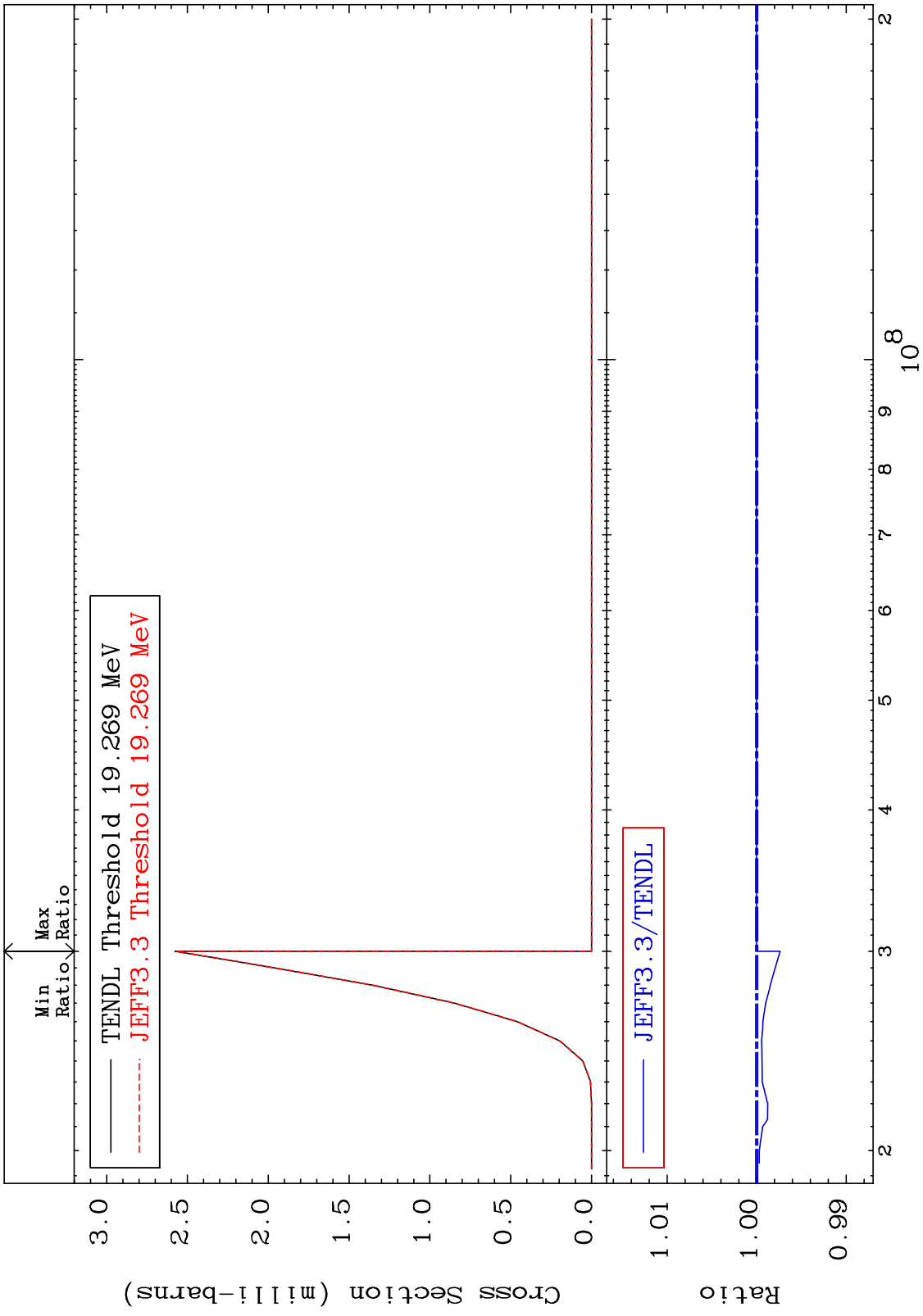
MAT 3025 (n,n') 2α 30-Zn-64 -99.36 To 1364. % Cross Section



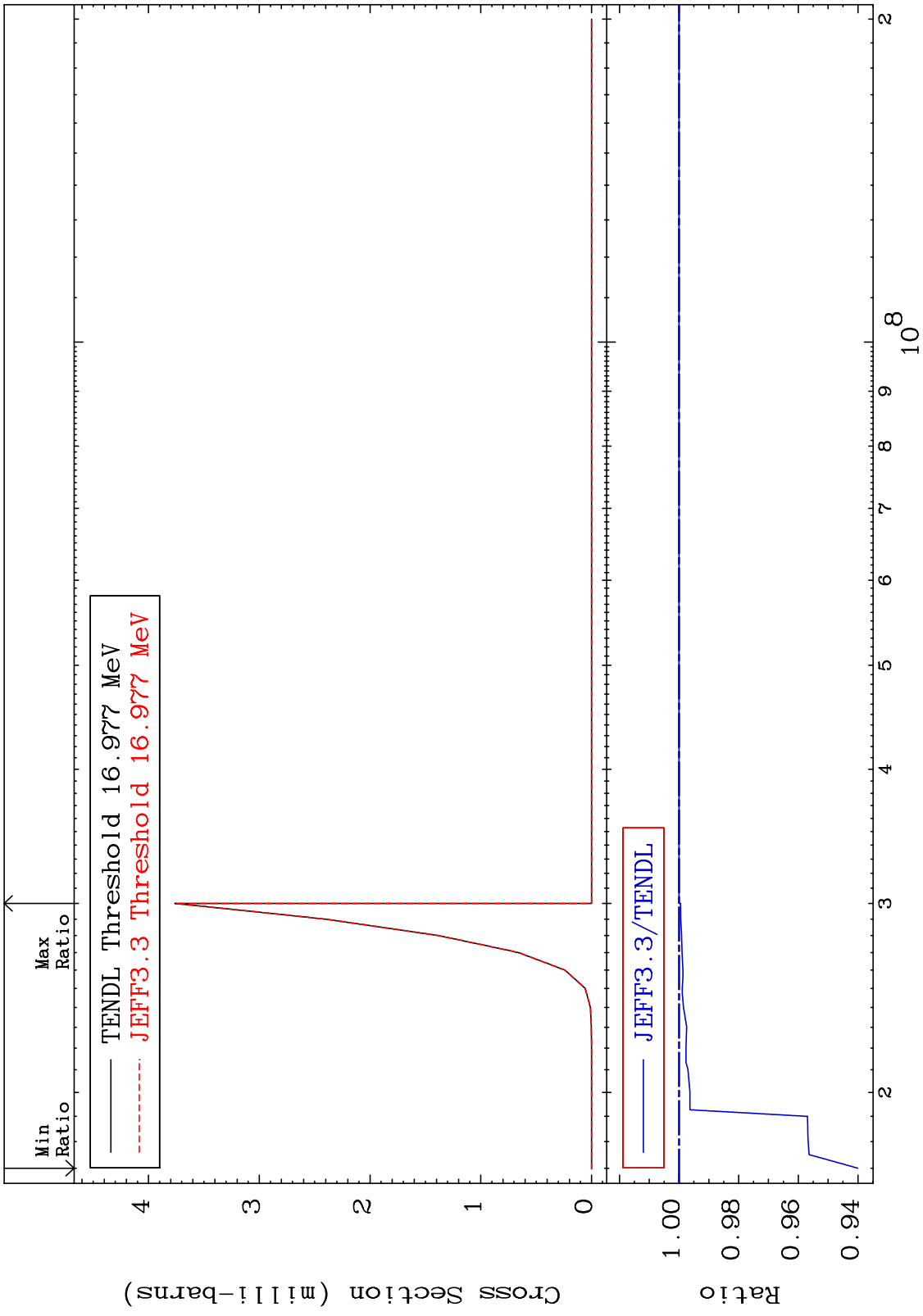
MAT 3025 (n, n') d $^{30}\text{Zn-64}$
 Cross Section -2.244 To 0.000 %



MAT 3025 (n,n') t 30-Zn-64
 Cross Section -0.263 To 0.000 %



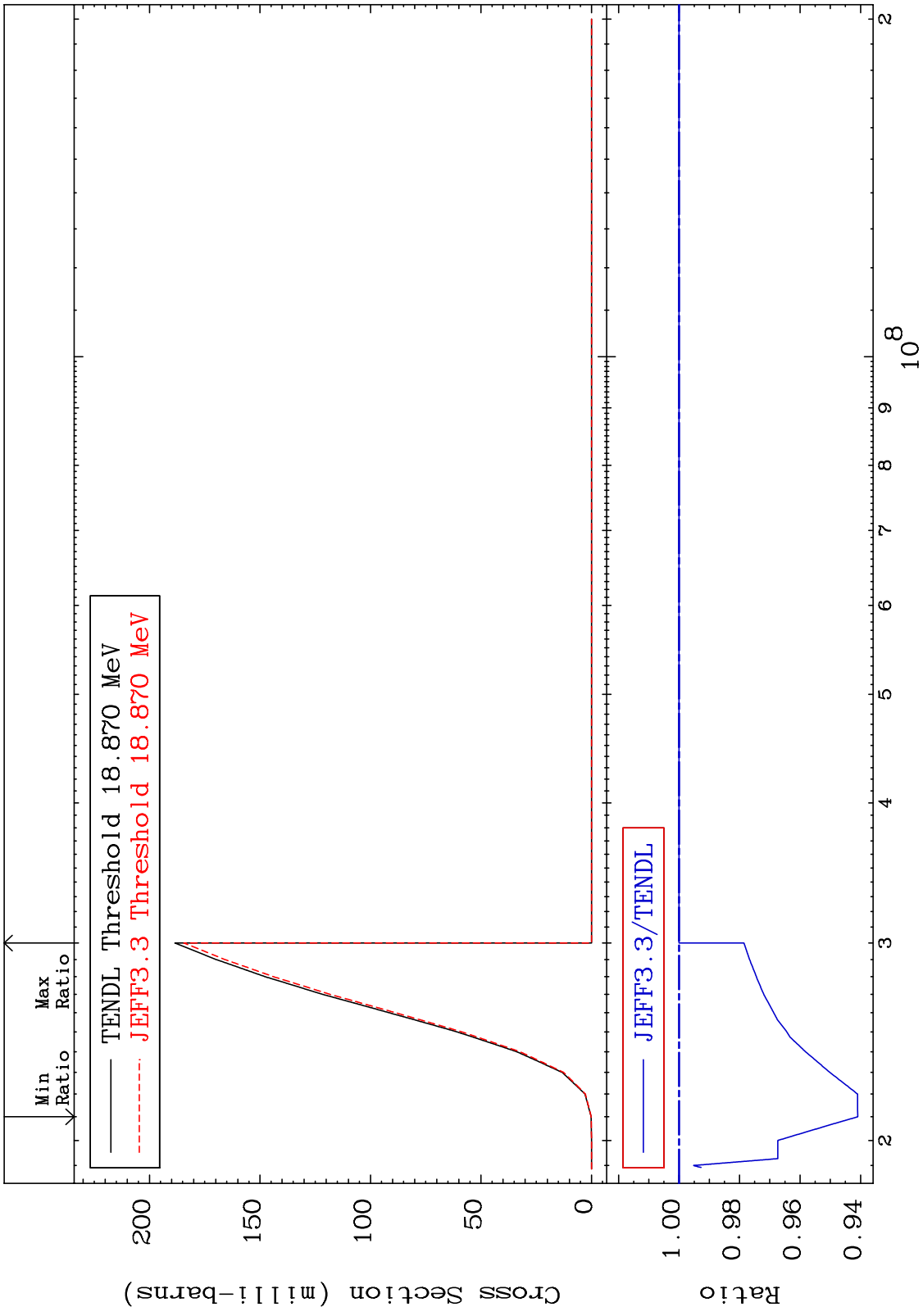
MAT 3025 (n, n') He-3 30-Zn-64
 Cross Section -5.998 To 0.000 %



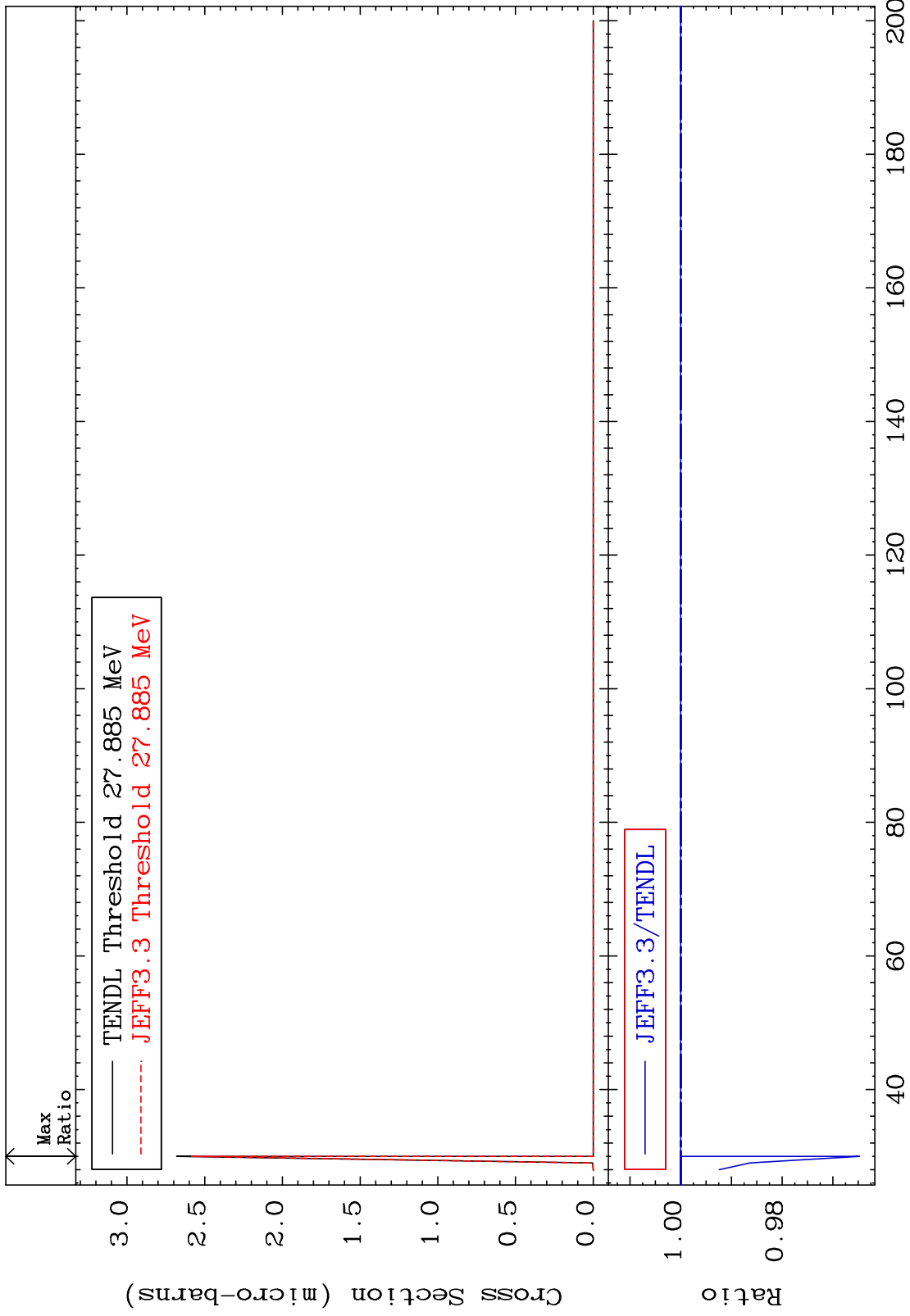
30-Zn-64

Incident Energy (eV)

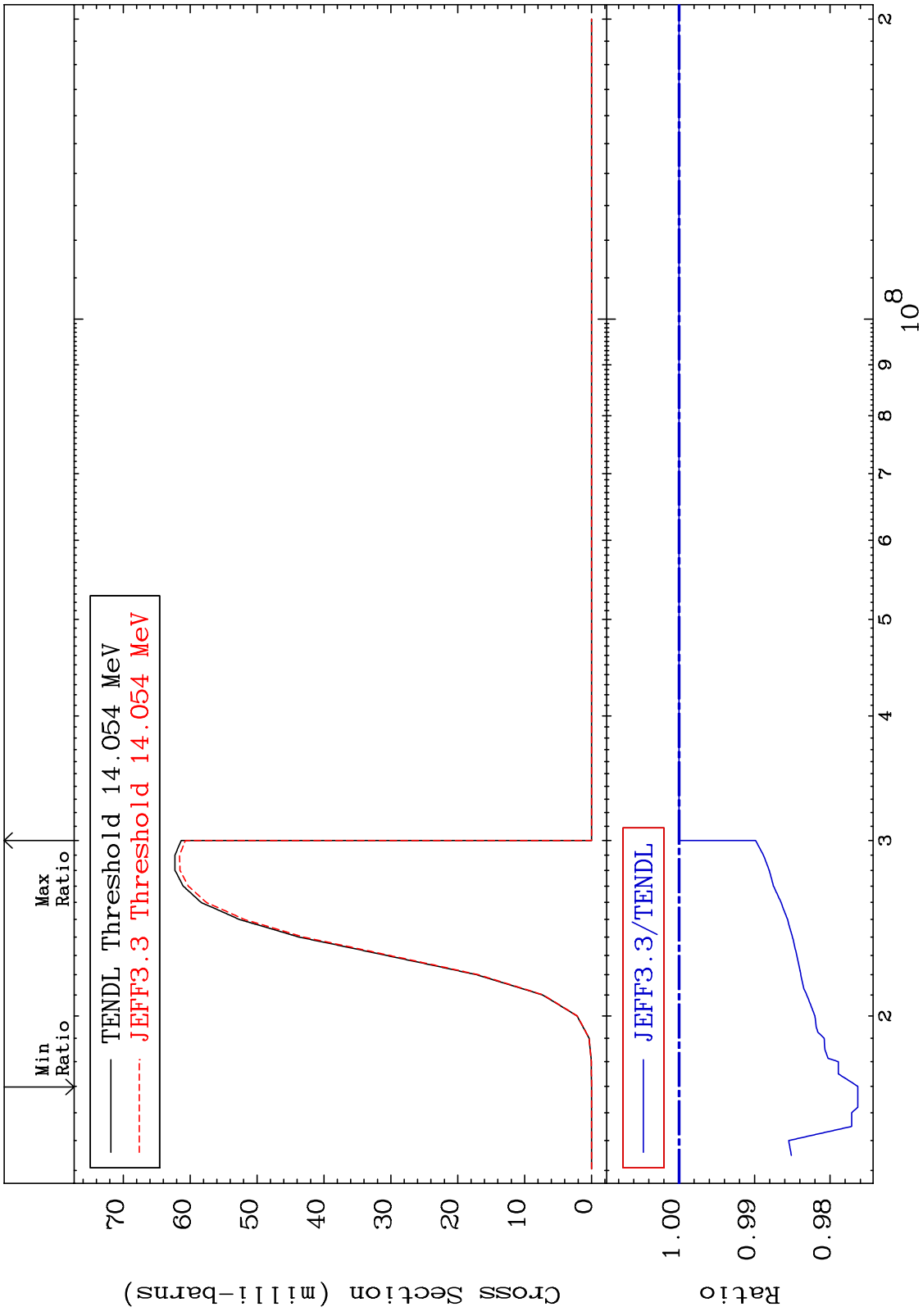
MAT 3025 (n,2n) p 30-Zn-64
 Cross Section -5.910 To 0.000 %



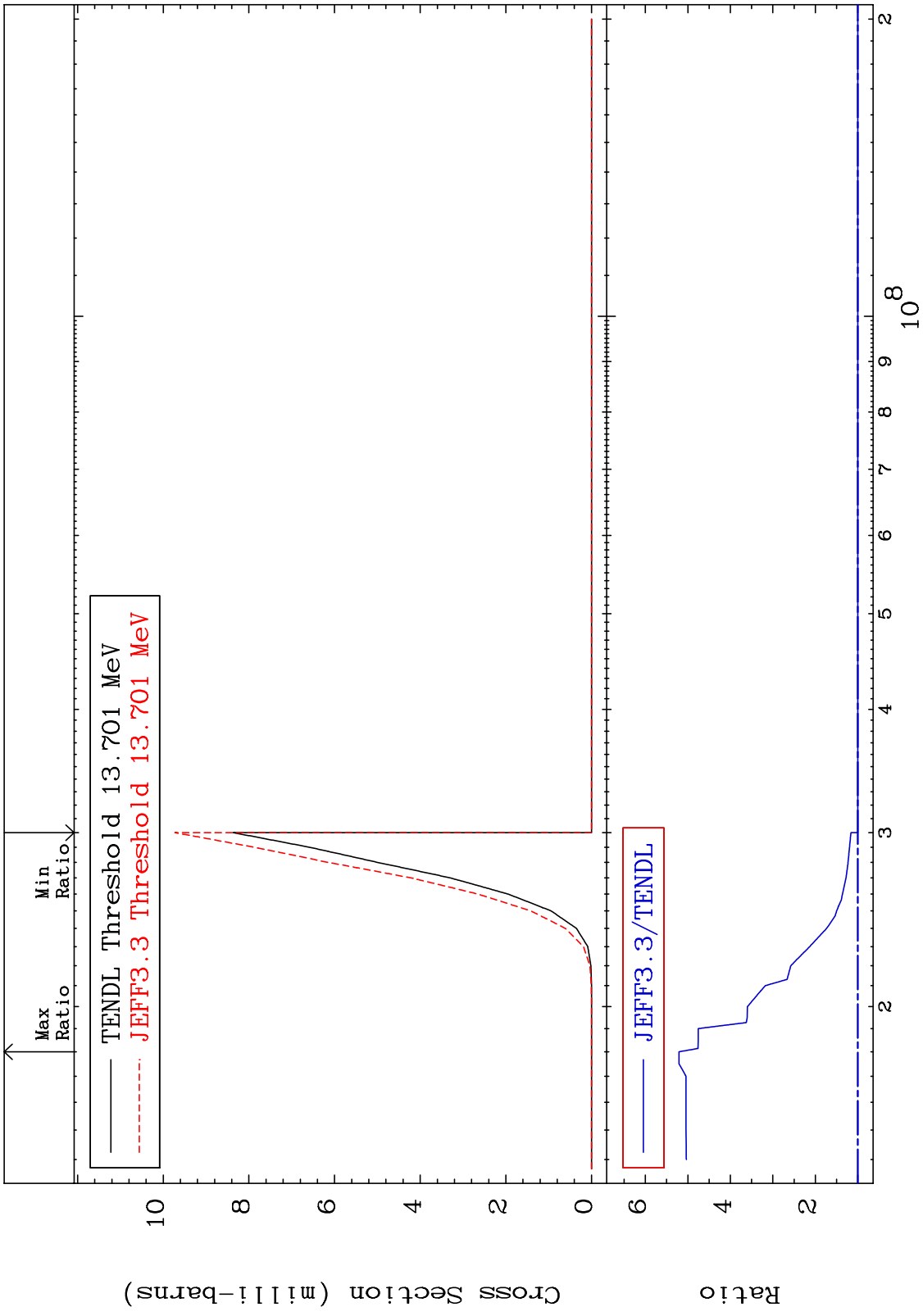
MAT 3025 (n,3n) p 30-Zn-64
Cross Section -3.527 To 0.000 %



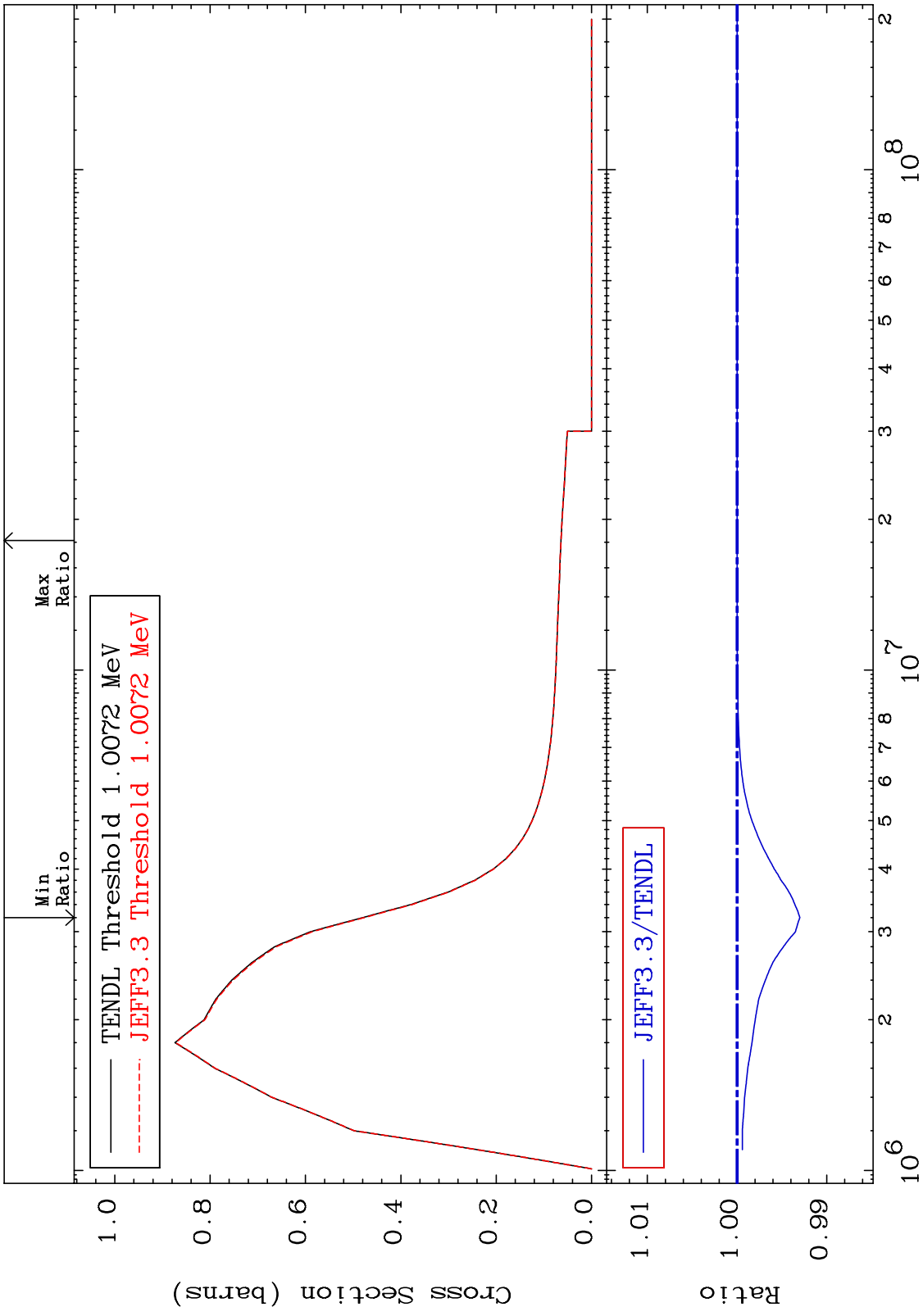
MAT 3025 (n,2n) p 30-Zn-64
 Cross Section -2.367 To 0.000 %



MAT 3025 (n, n') p α 30-Zn-64
 Cross Section 0.000 To 420.7 %

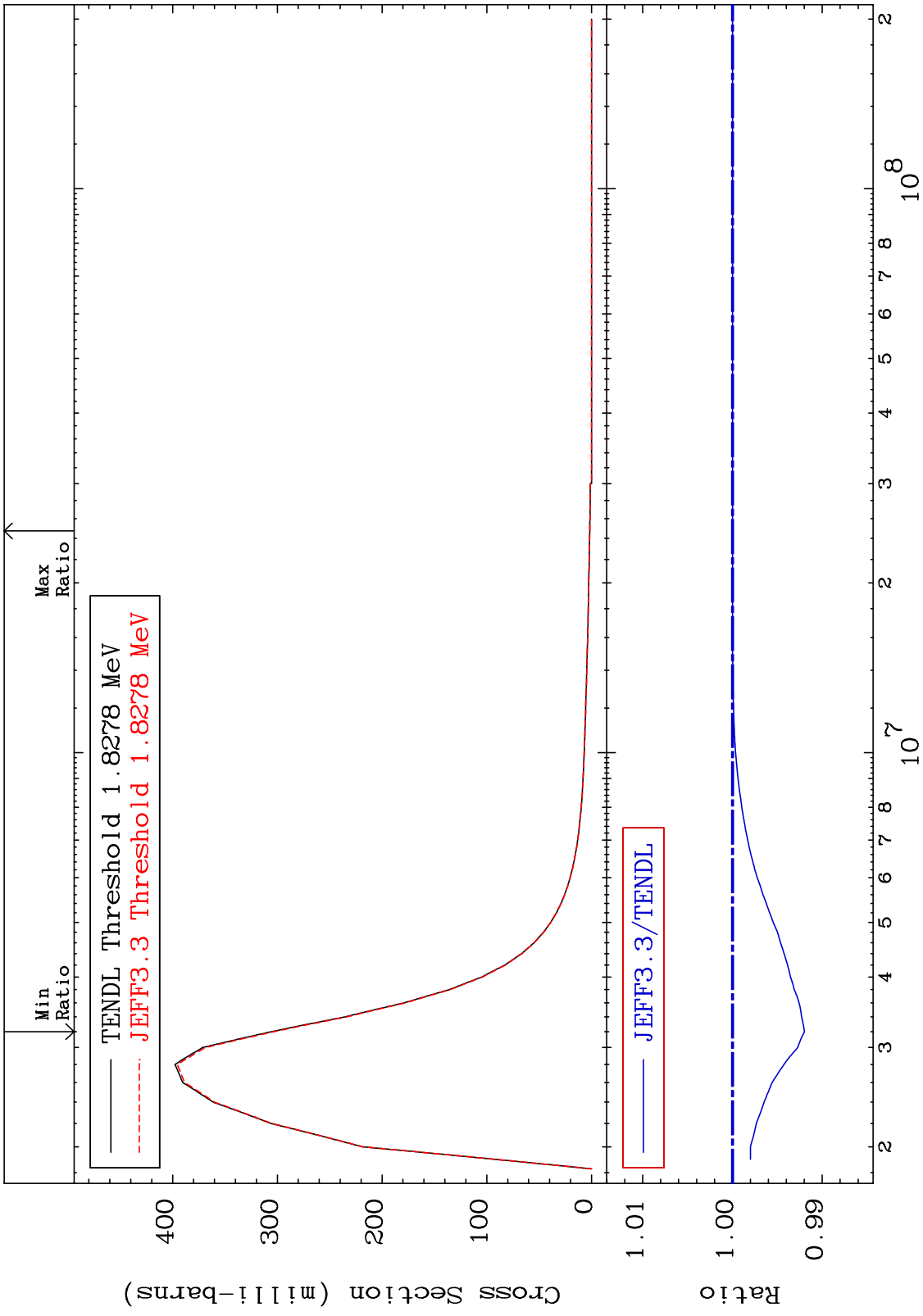


MAT 3025 MT= 51 (n,n') Level Cross Section 30-Zn-64
 -0.699 To 0.000 %

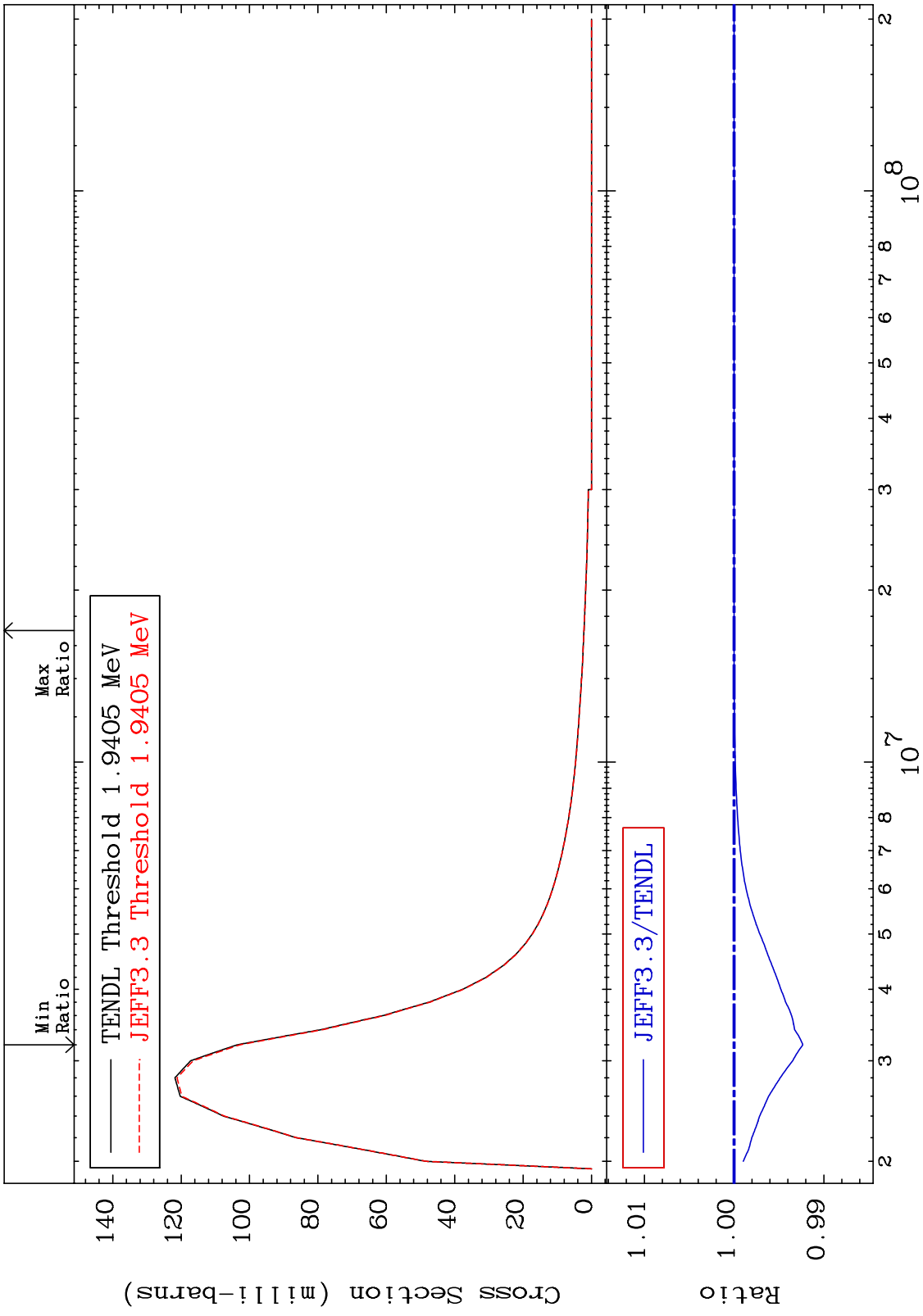


Incident Energy (eV) 30-Zn-64

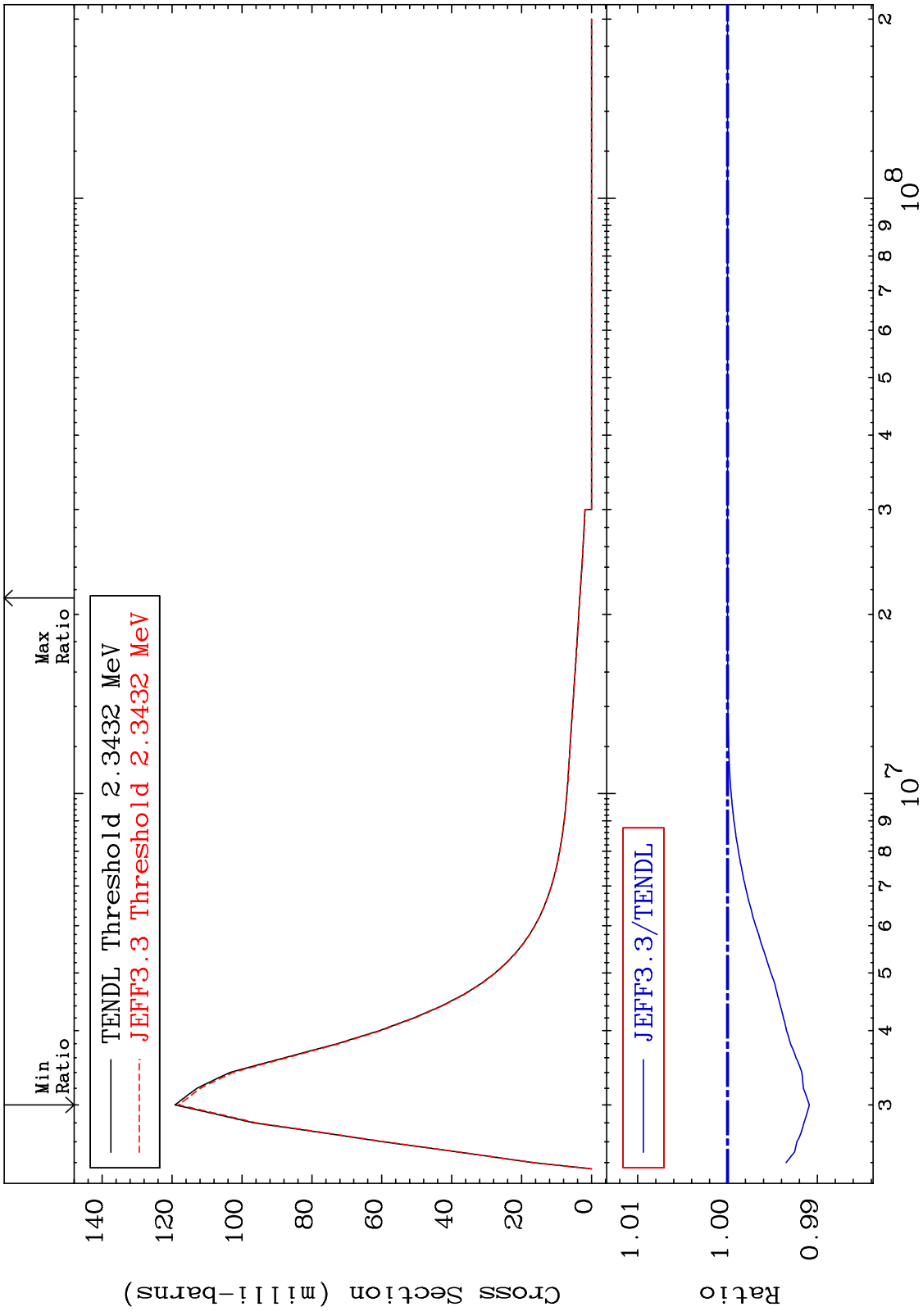
MAT 3025 MT= 52 (n,n') Level Cross Section 30-Zn-64
 -0.801 To 0.000 %



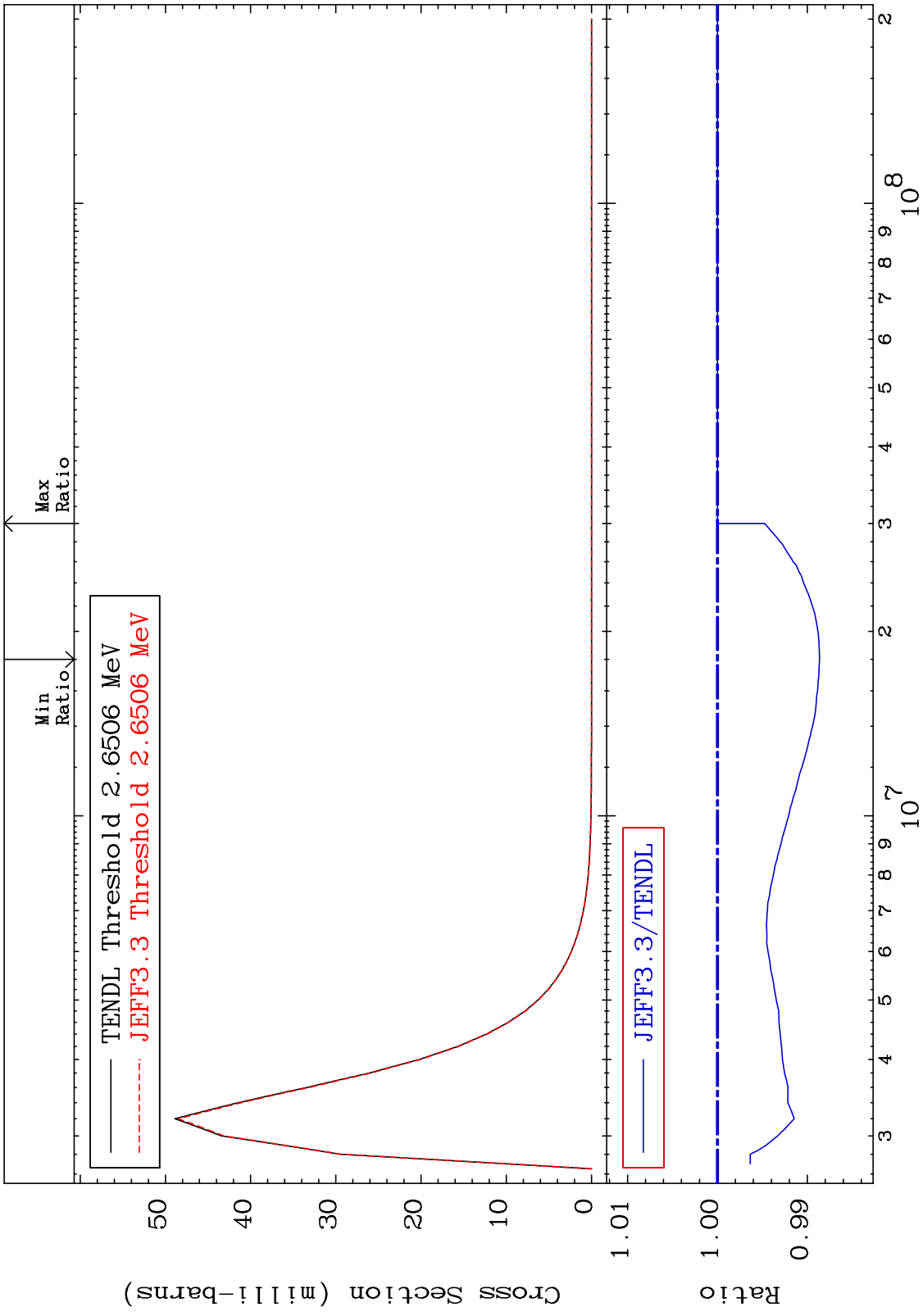
MAT 3025 MT= 53 (n,n') Level Cross Section 30-Zn-64
 -0.766 To 0.000 %



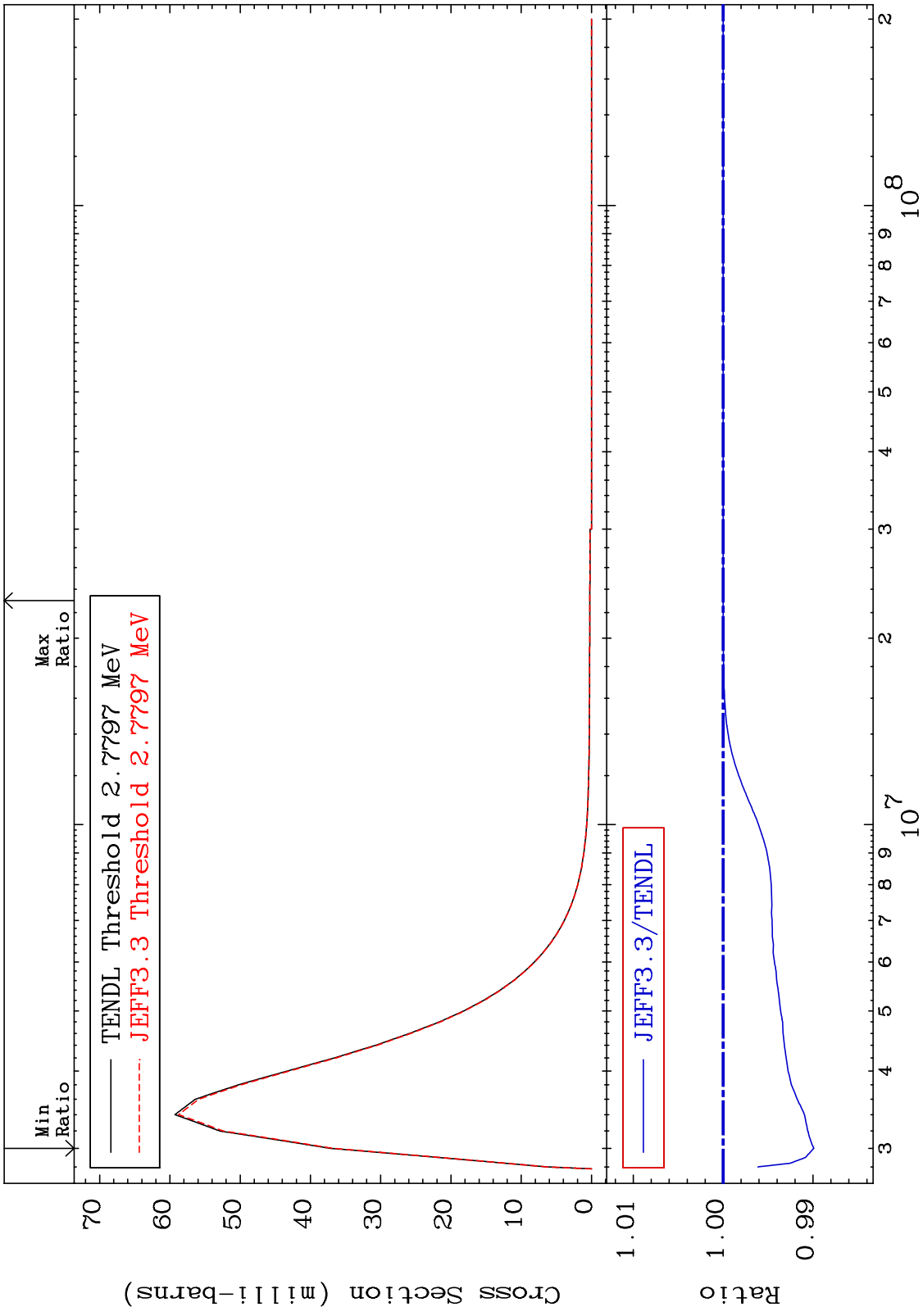
MAT 3025 MT= 54 (n,n') Level Cross Section 30-Zn-64
 -0.910 To 0.000 %



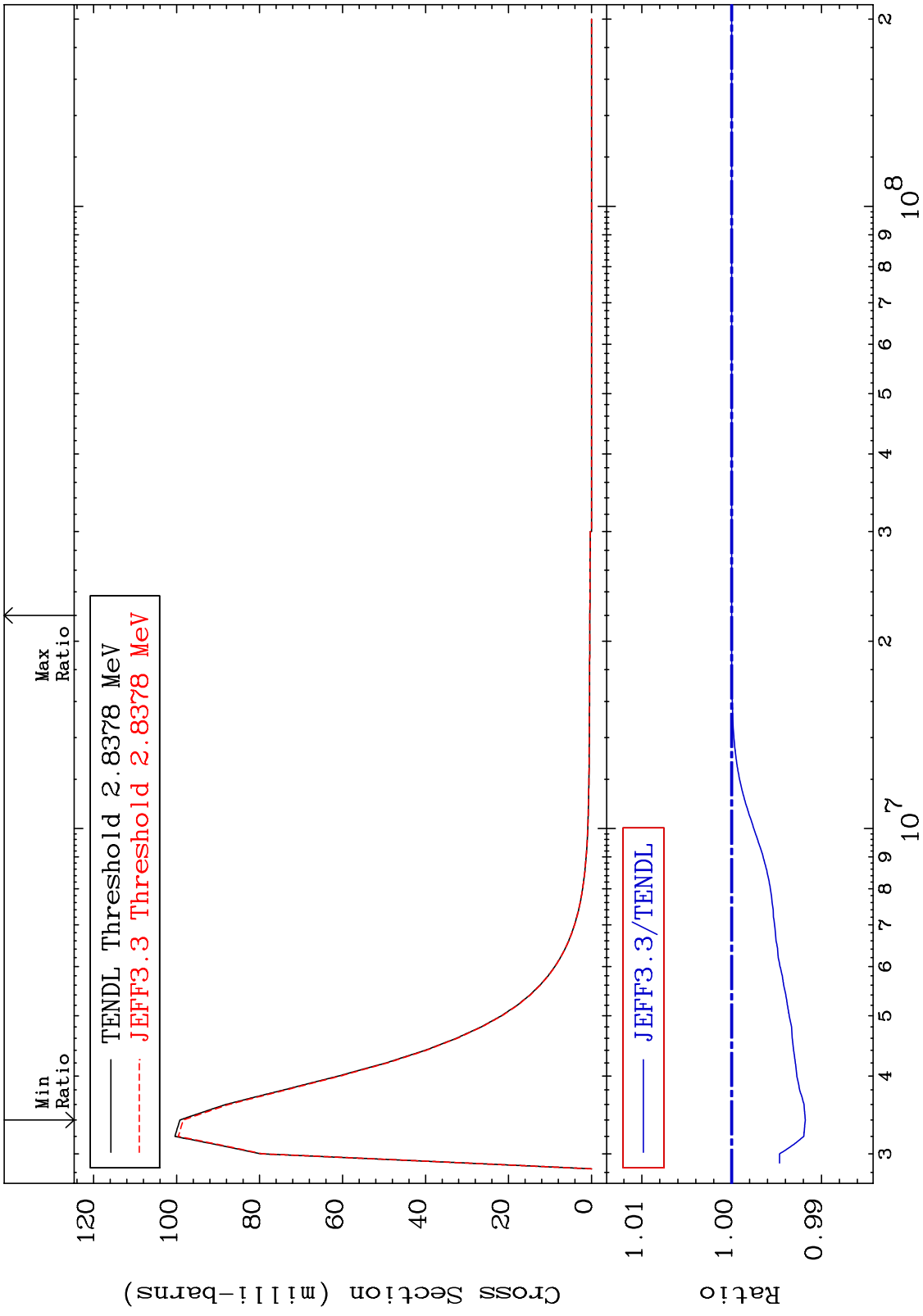
MAT 3025 MT= 55 (n,n') Level Cross Section -1.135 To 0.000 % 30-Zn-64



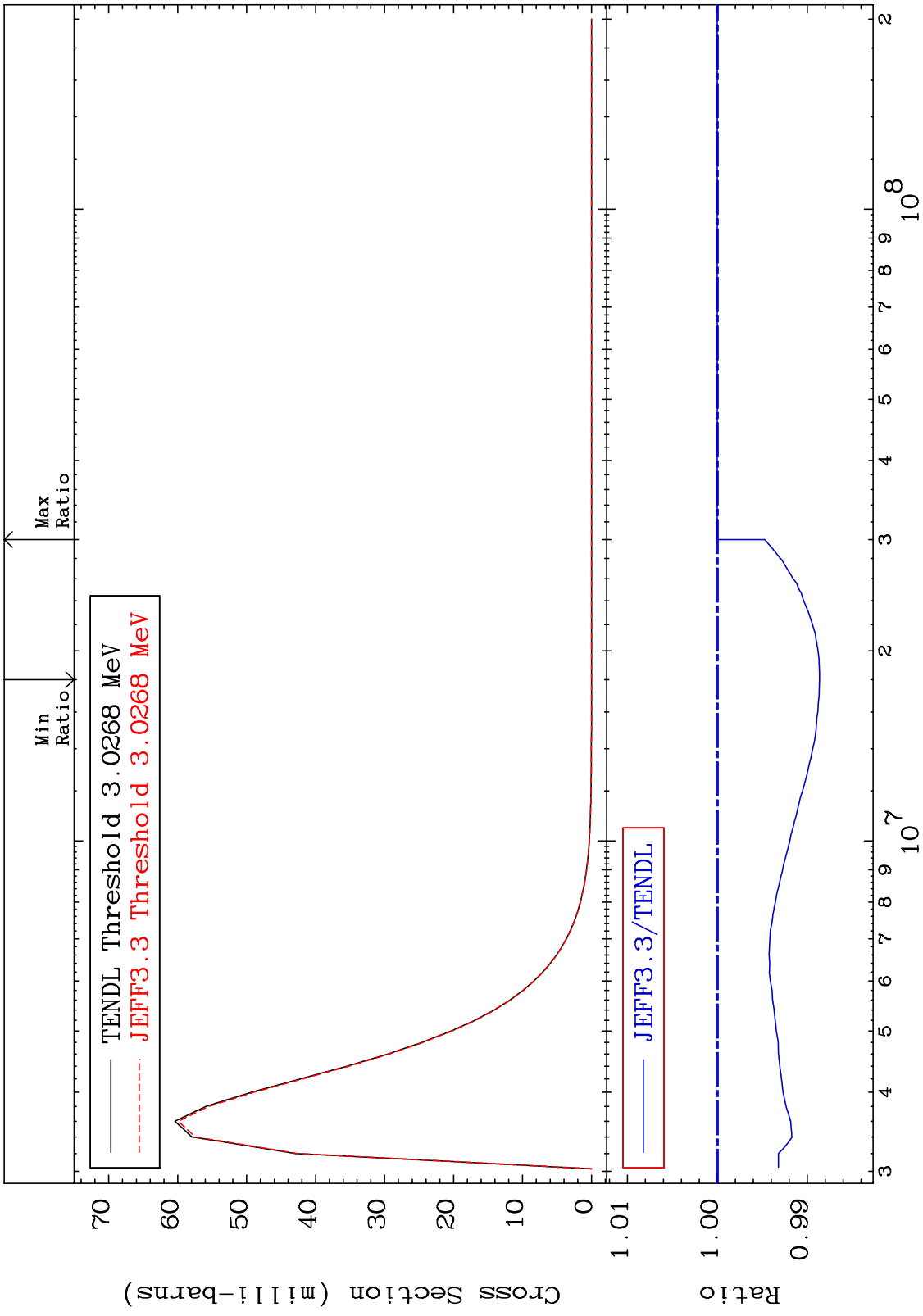
MAT 3025 MT= 56 (n,n') Level Cross Section -1.009 To 0.000 % 30-Zn-64



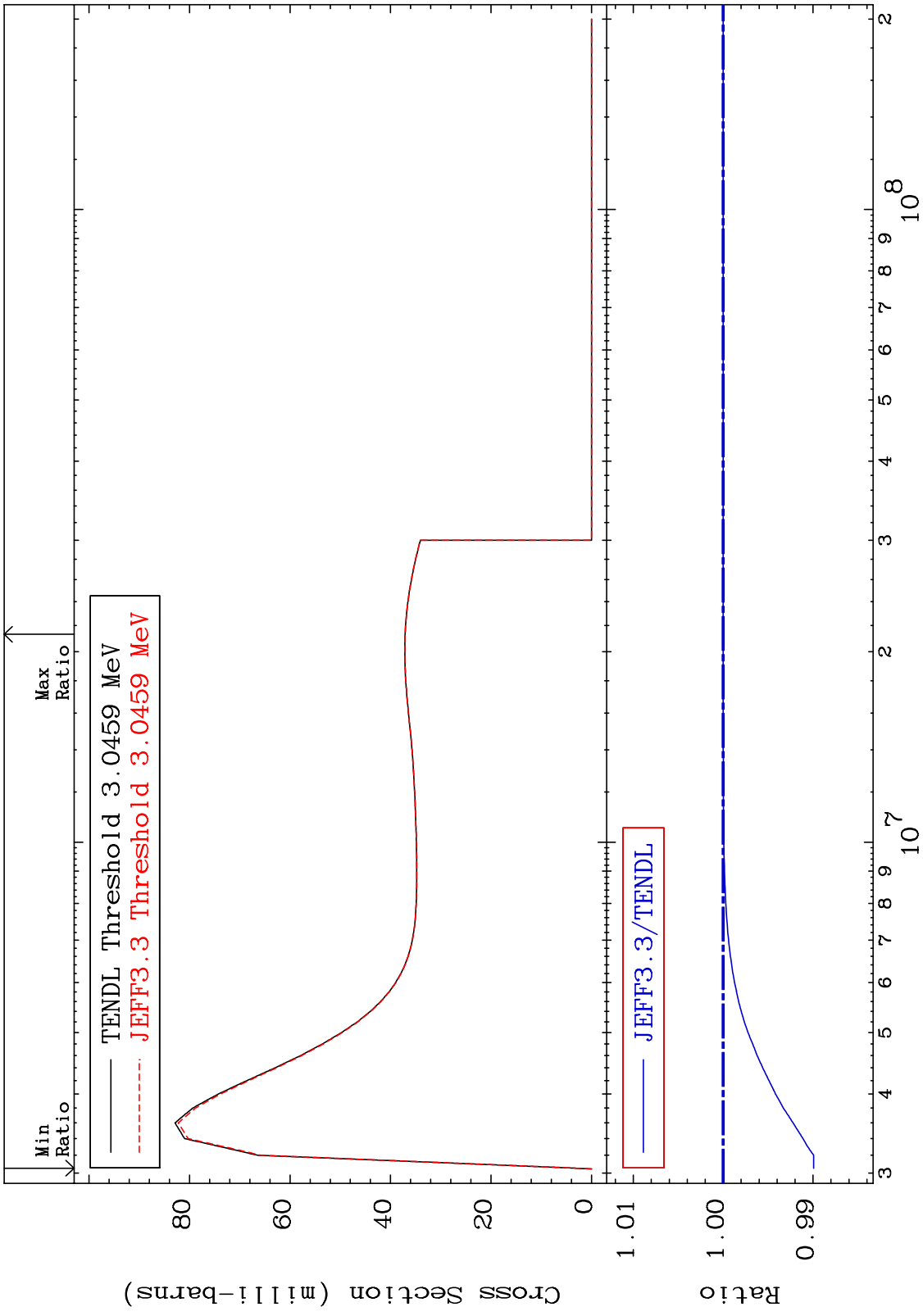
MAT 3025 MT= 57 (n,n') Level Cross Section -0.820 To 0.000 % 30-Zn-64



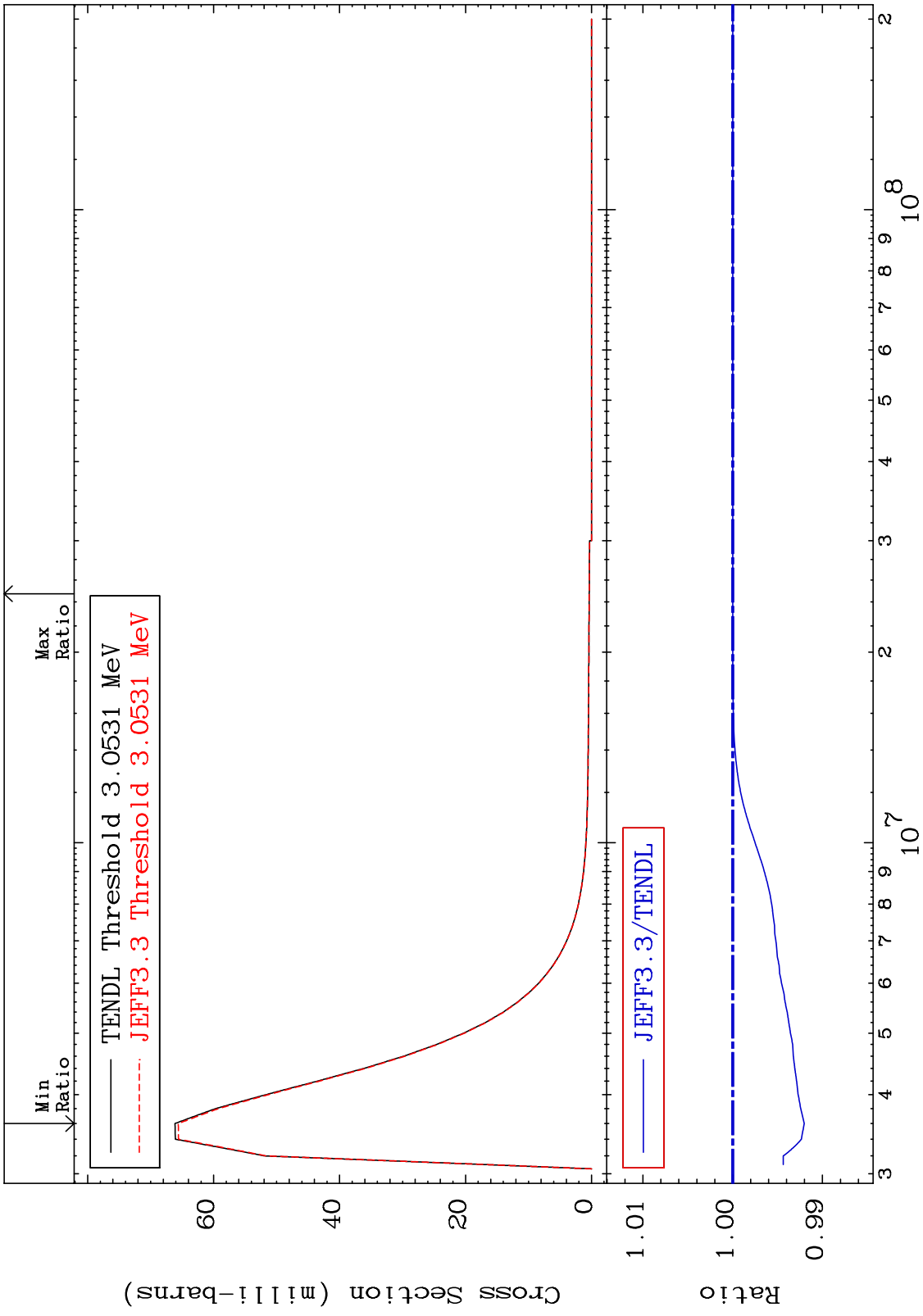
MAT 3025 MT= 58 (n,n') Level Cross Section 30-Zn-64
 -1.137 To 0.000 %



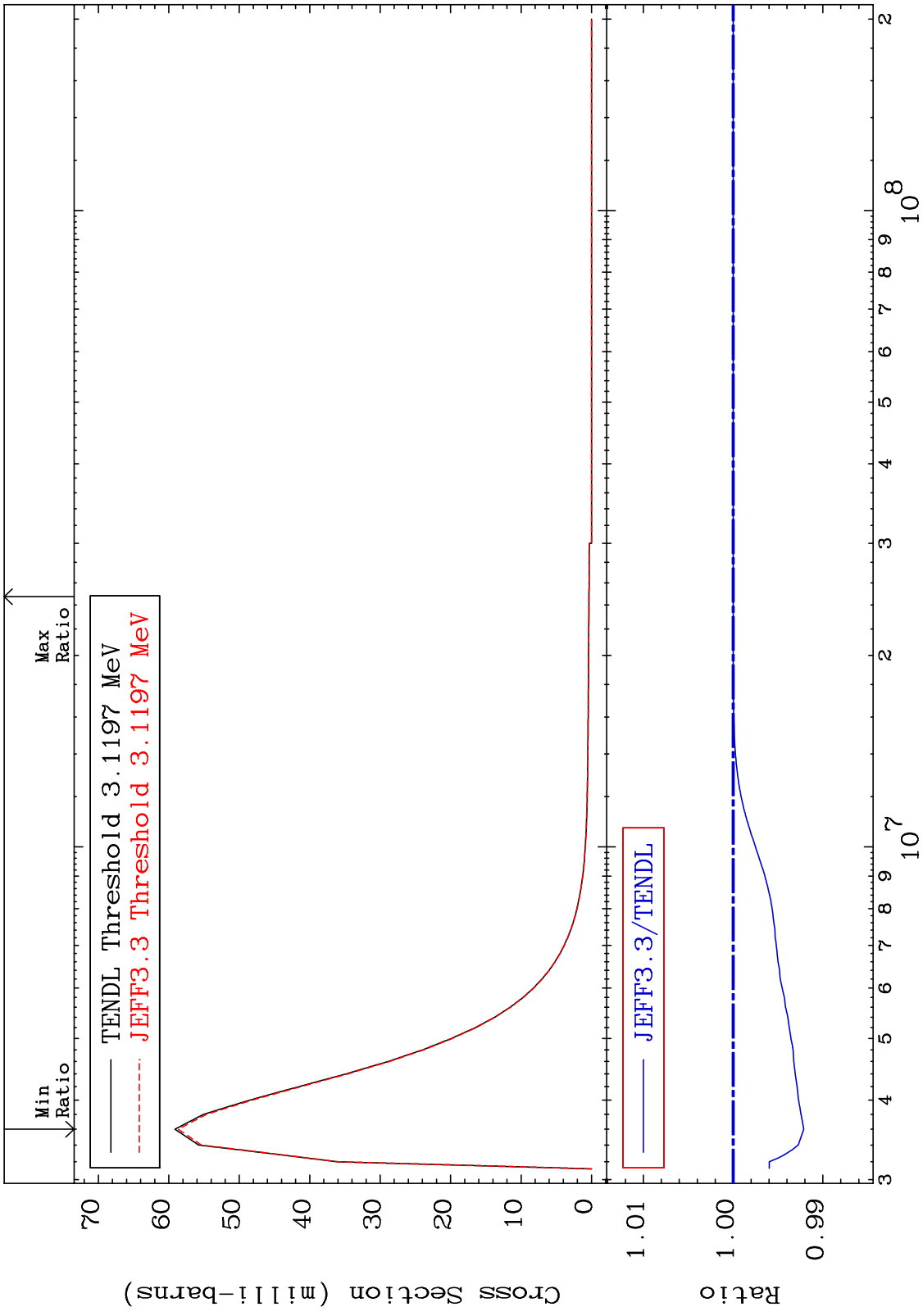
MAT 3025 MT= 59 (n,n') Level Cross Section -1.008 To 0.000 % 30-Zn-64



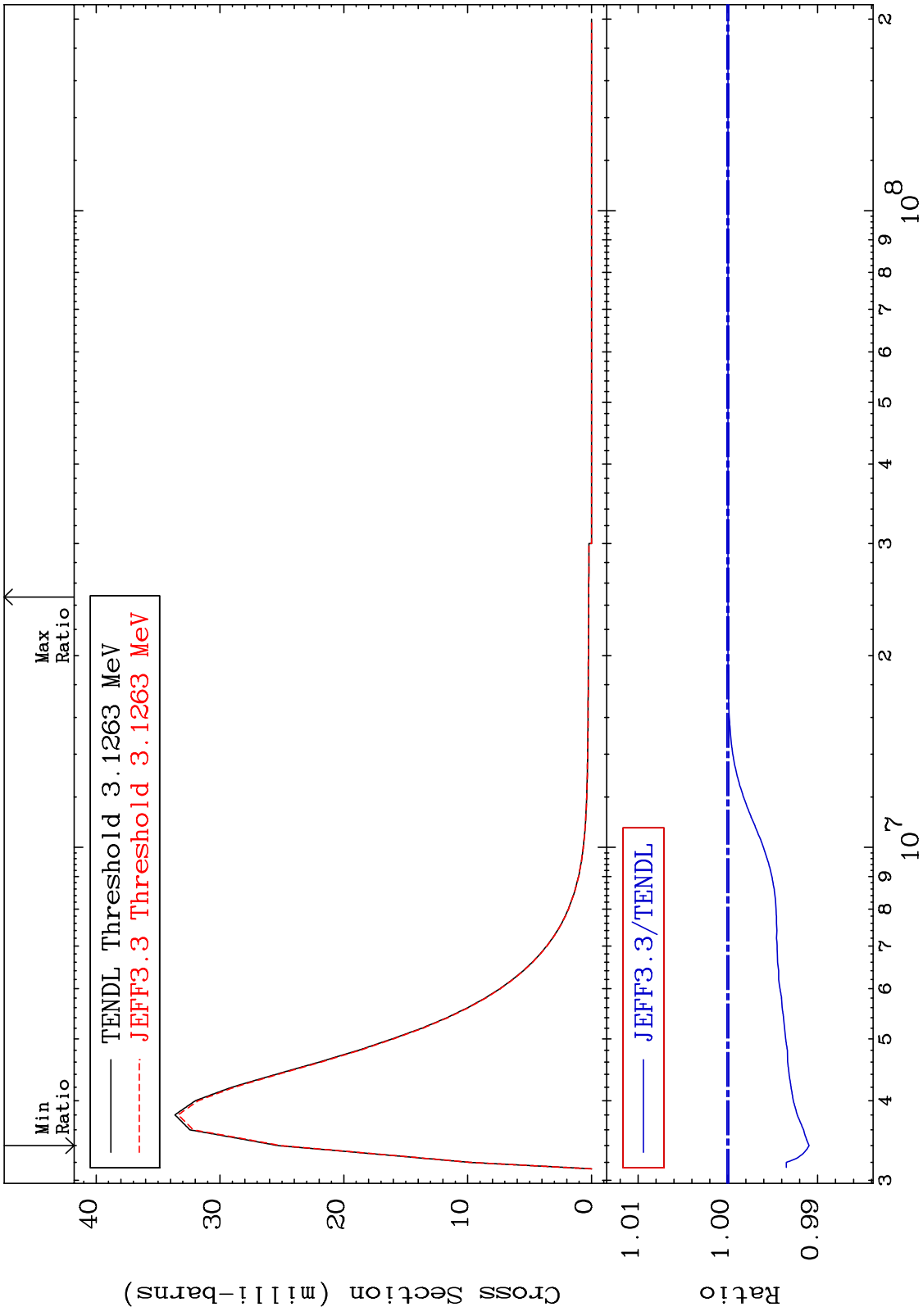
MAT 3025 MT= 60 (n,n') Level Cross Section 30-Zn-64
 -0.796 To 0.000 %



MAT 3025 MT= 61 (n,n') Level Cross Section 30-Zn-64 -0.787 To 0.000 %

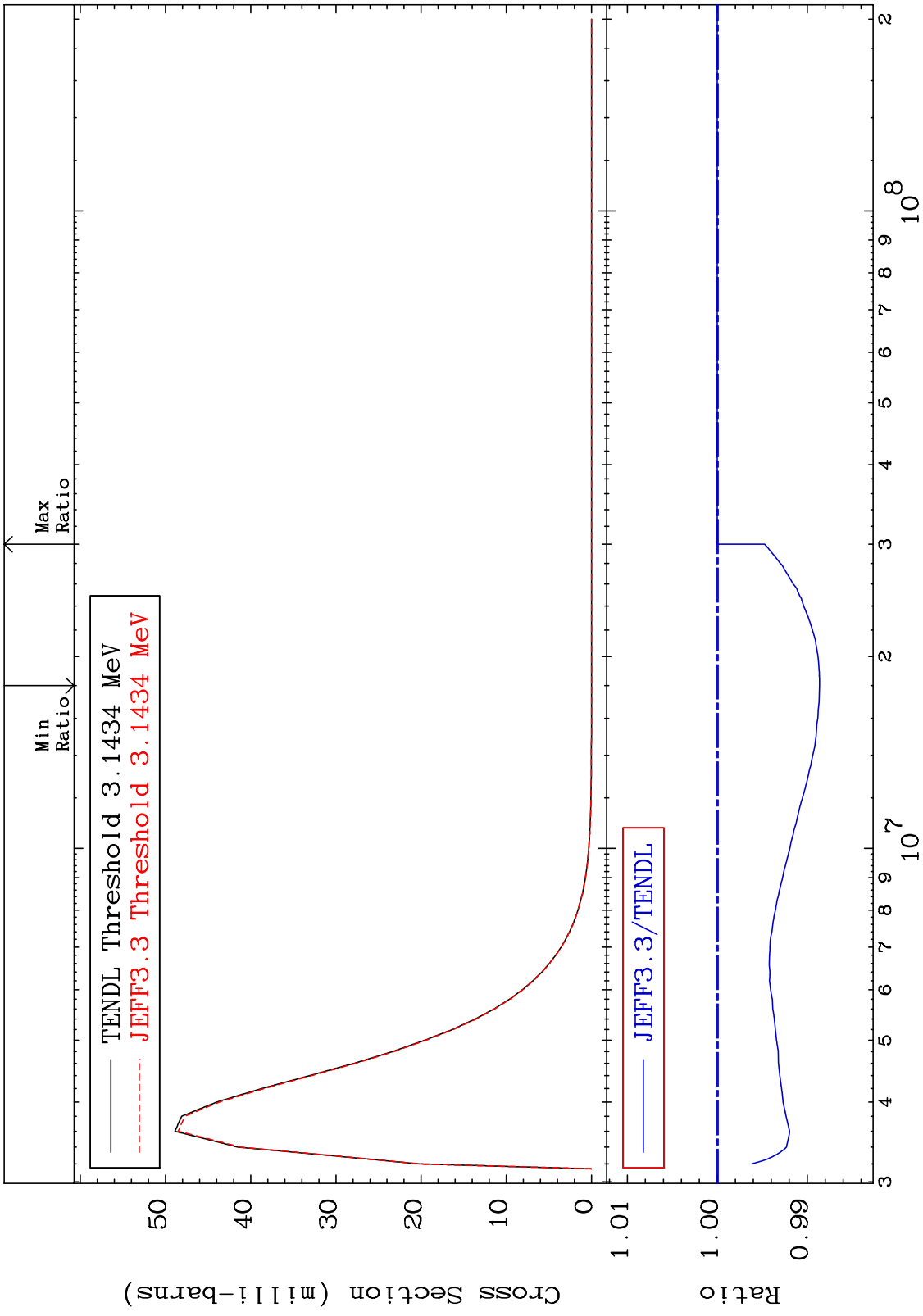


MAT 3025 MT= 62 (n,n') Level Cross Section 30-Zn-64 -0.904 To 0.000 %

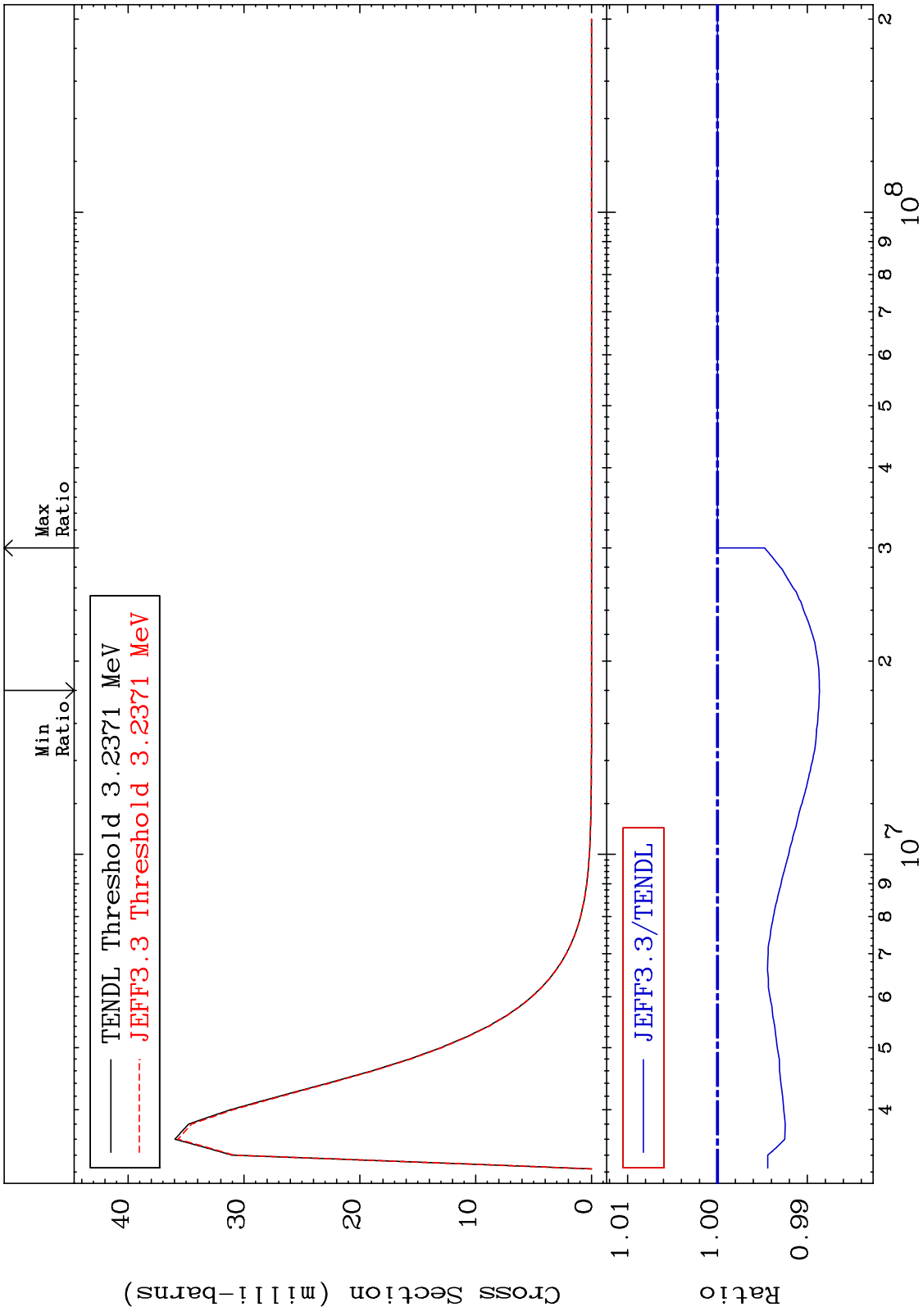


30 30-Zn-64

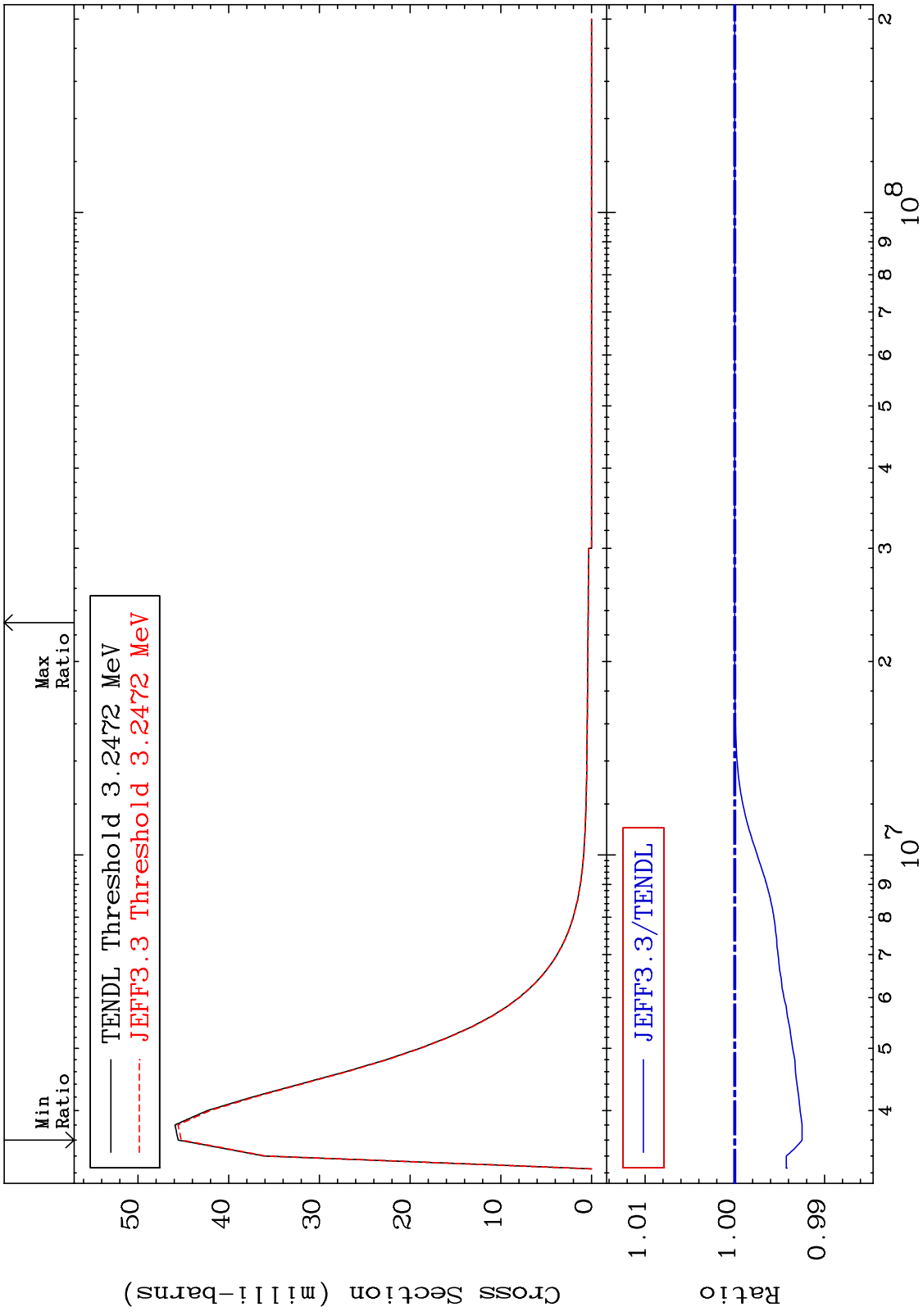
MAT 3025 MT= 63 (n,n') Level Cross Section -1.137 To 0.000 % 30-Zn-64



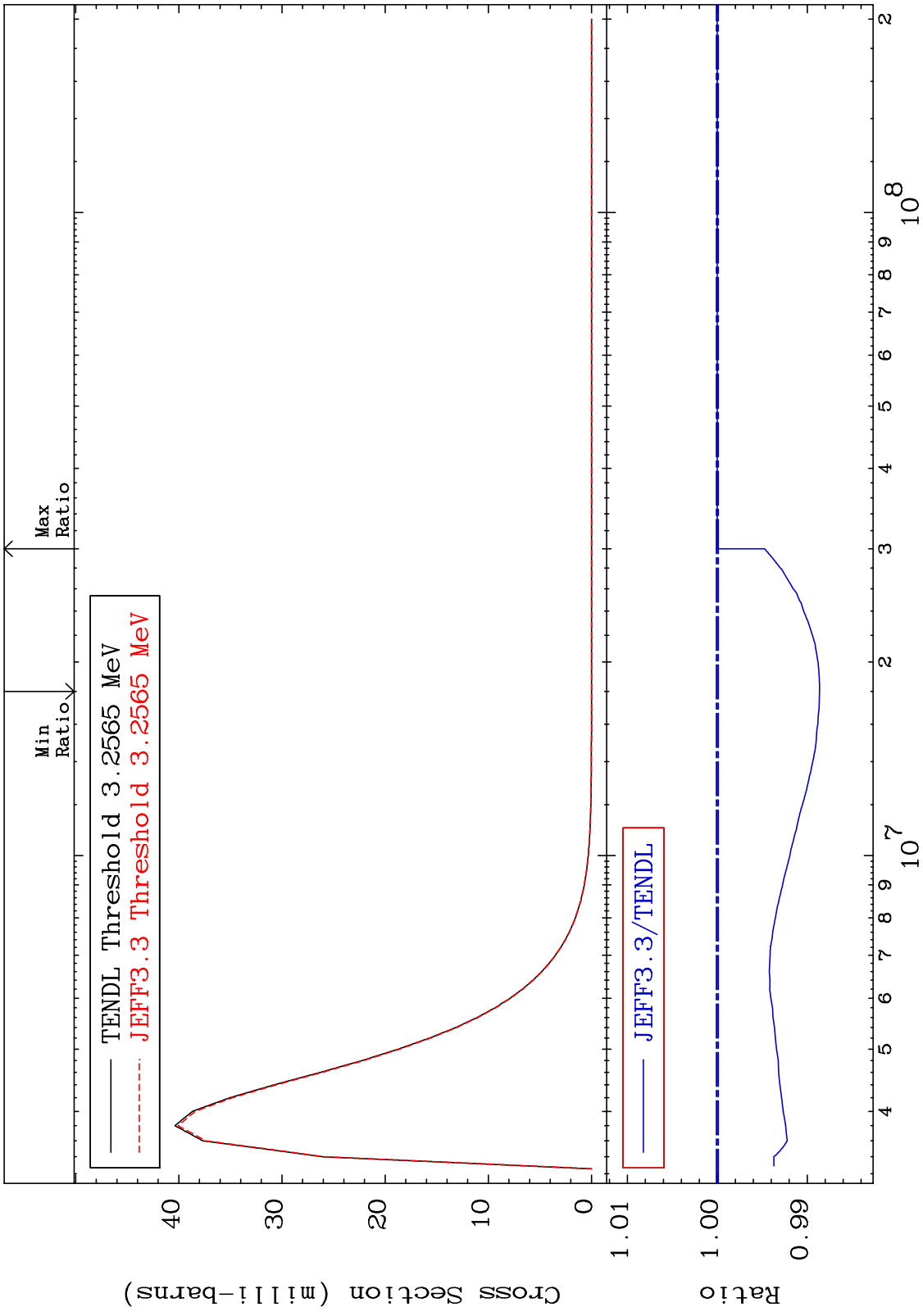
MAT 3025 MT= 64 (n,n') Level Cross Section -1.134 To 0.000 % 30-Zn-64



MAT 3025 MT= 65 (n,n') Level Cross Section 30-Zn-64
 -0.751 To 0.000 %



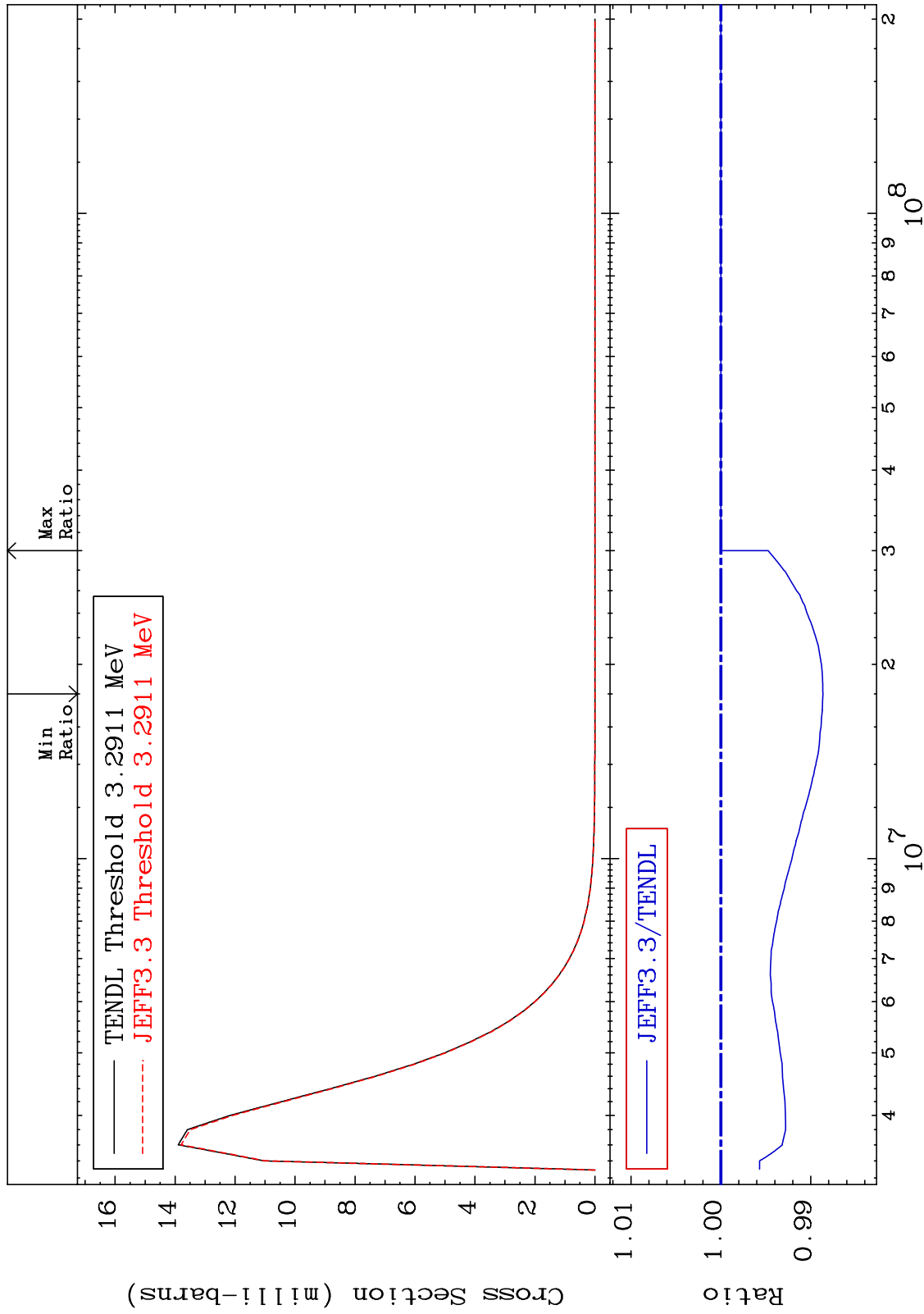
MAT 3025 MT= 66 (n,n') Level Cross Section -1.137 To 0.000 % 30-Zn-64



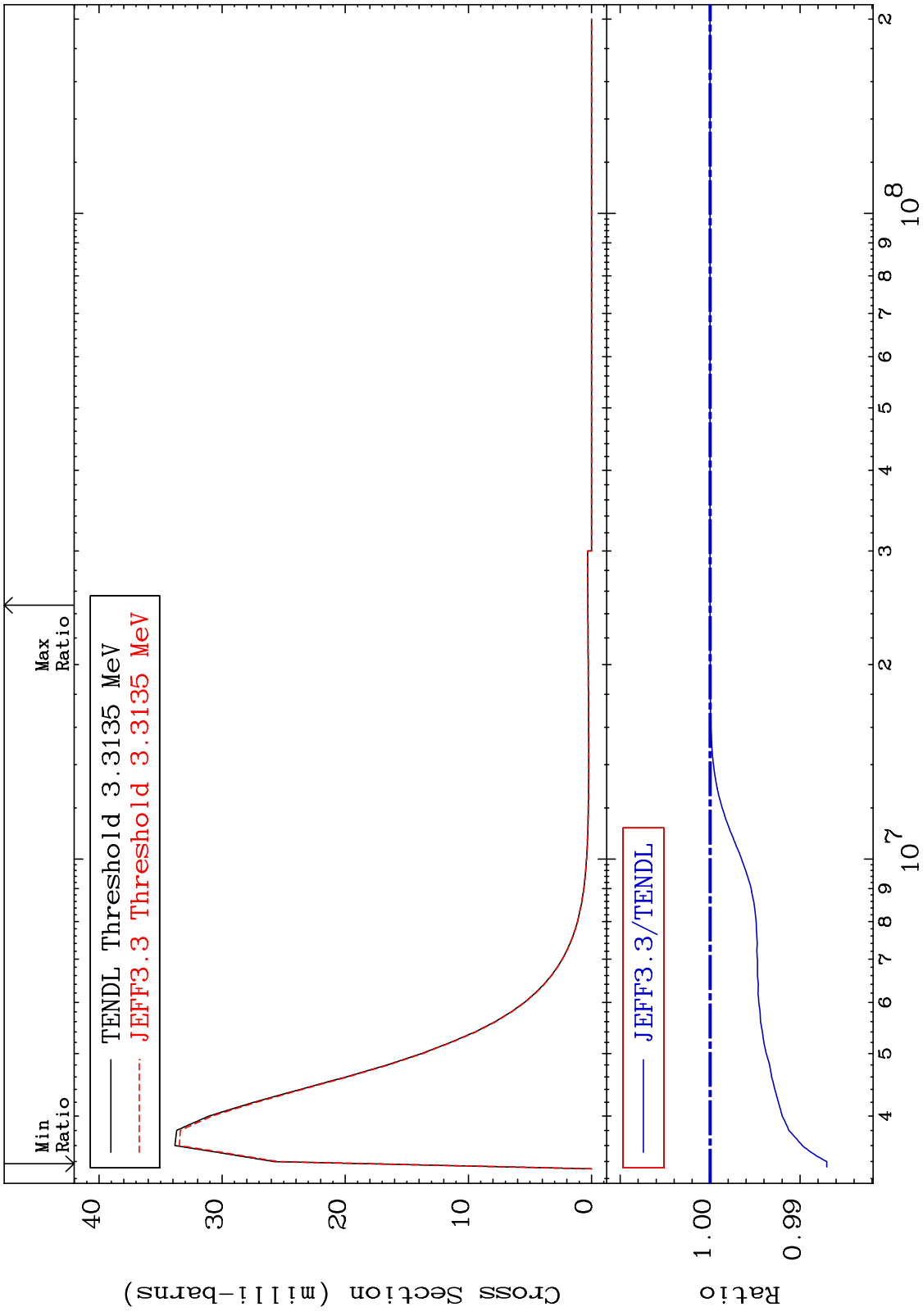
MAT 3025

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

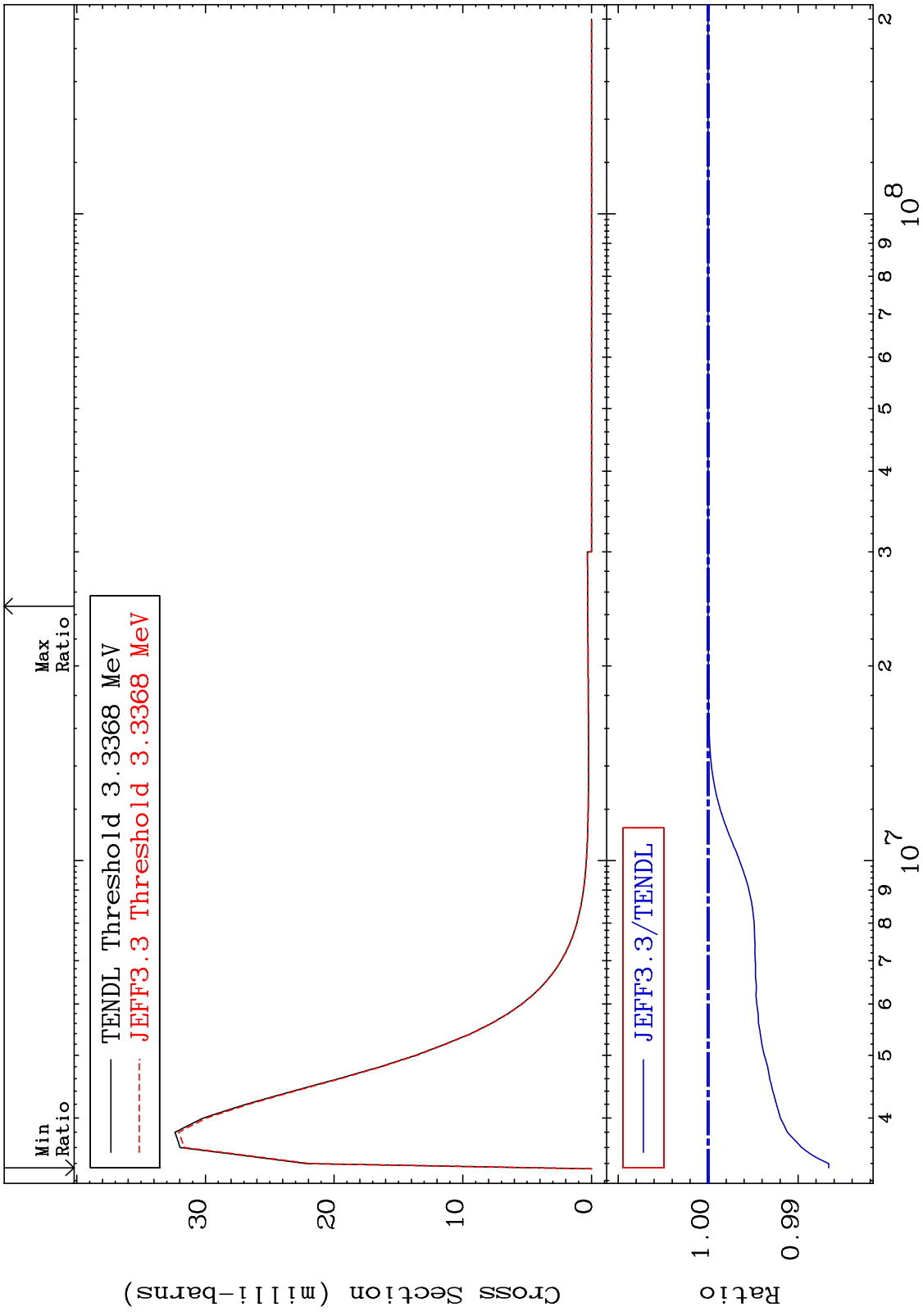
30-Zn-64
-1.135 To 0.000 %



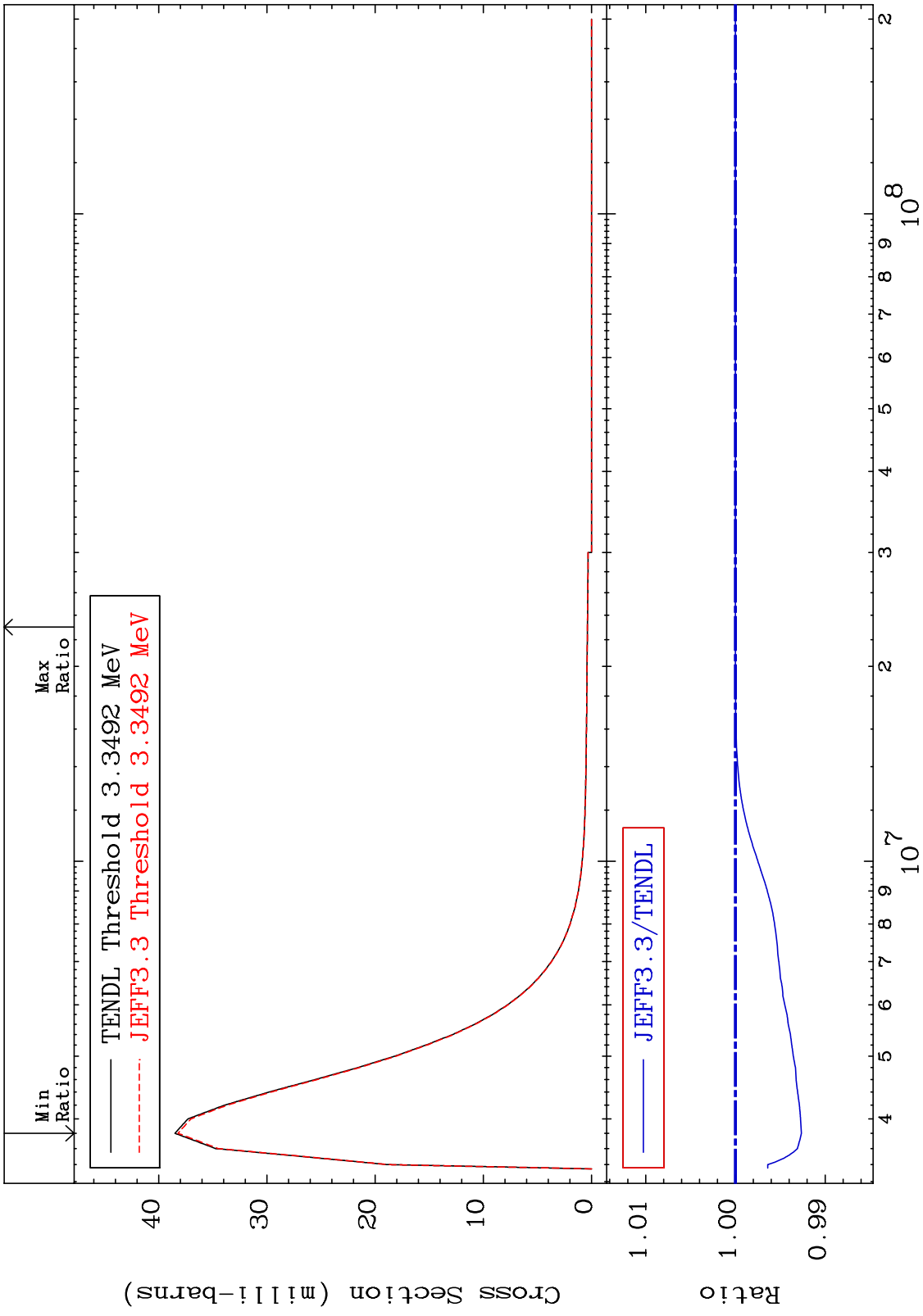
MAT 3025 MT= 68 (n,n') Level Cross Section -1.296 To 0.000 % 30-Zn-64



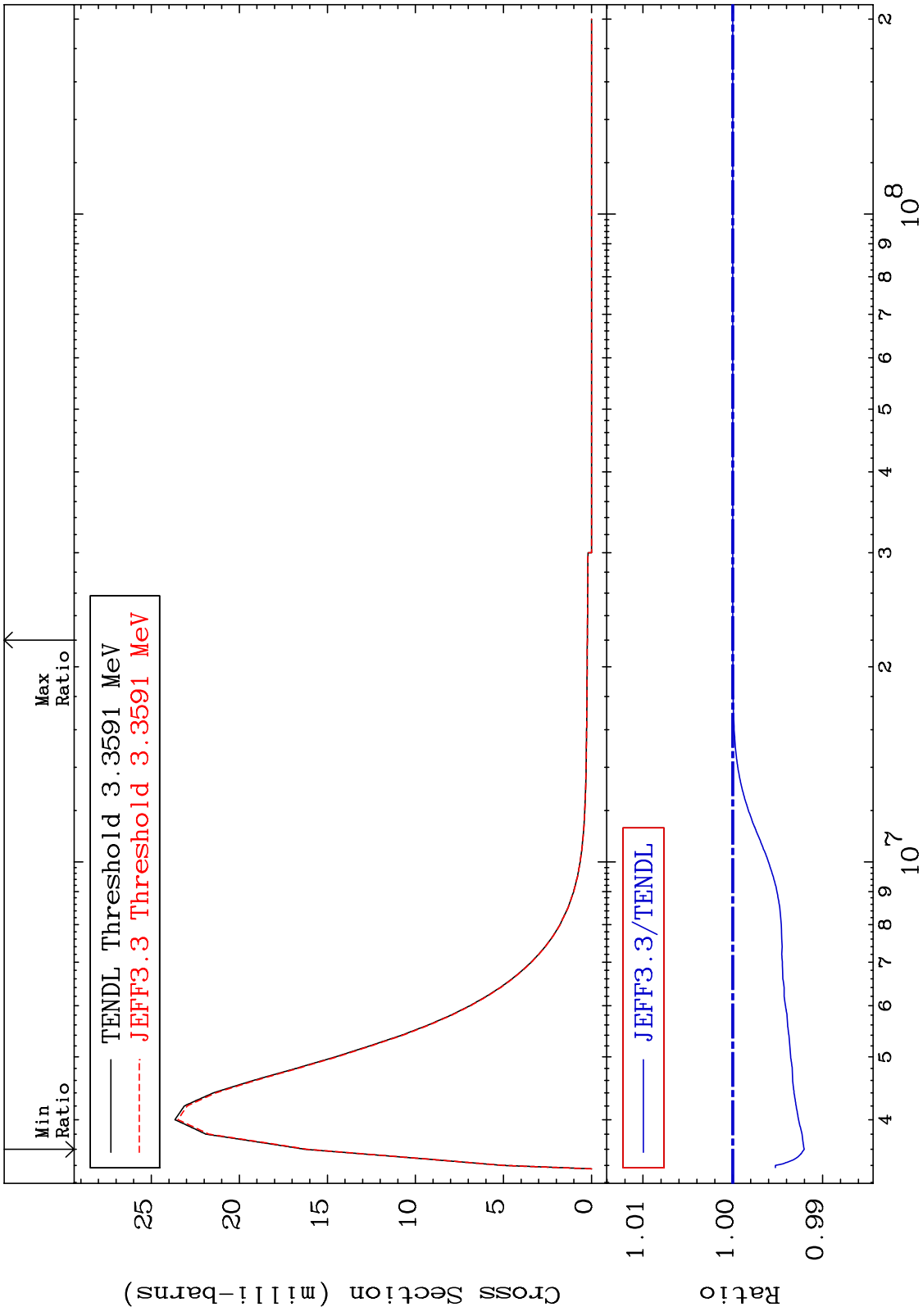
MAT 3025 MT= 69 (n,n') Level Cross Section -1.340 To 0.000 % 30-Zn-64



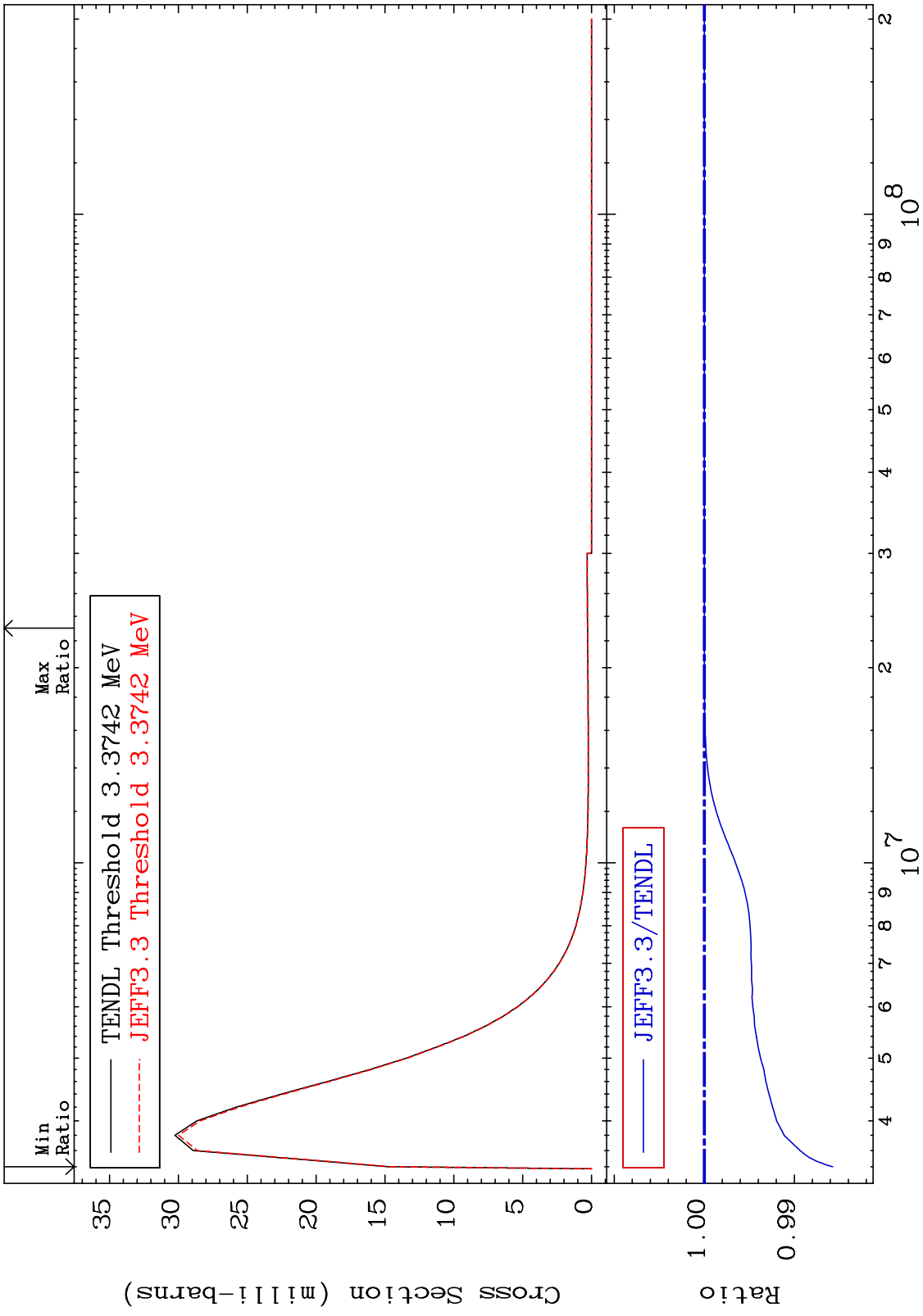
MAT 3025 MT= 70 (n,n') Level Cross Section 30-Zn-64
 -0.737 To 0.000 %



MAT 3025 MT= 71 (n,n') Level Cross Section 30-Zn-64 -0.795 To 0.000 %

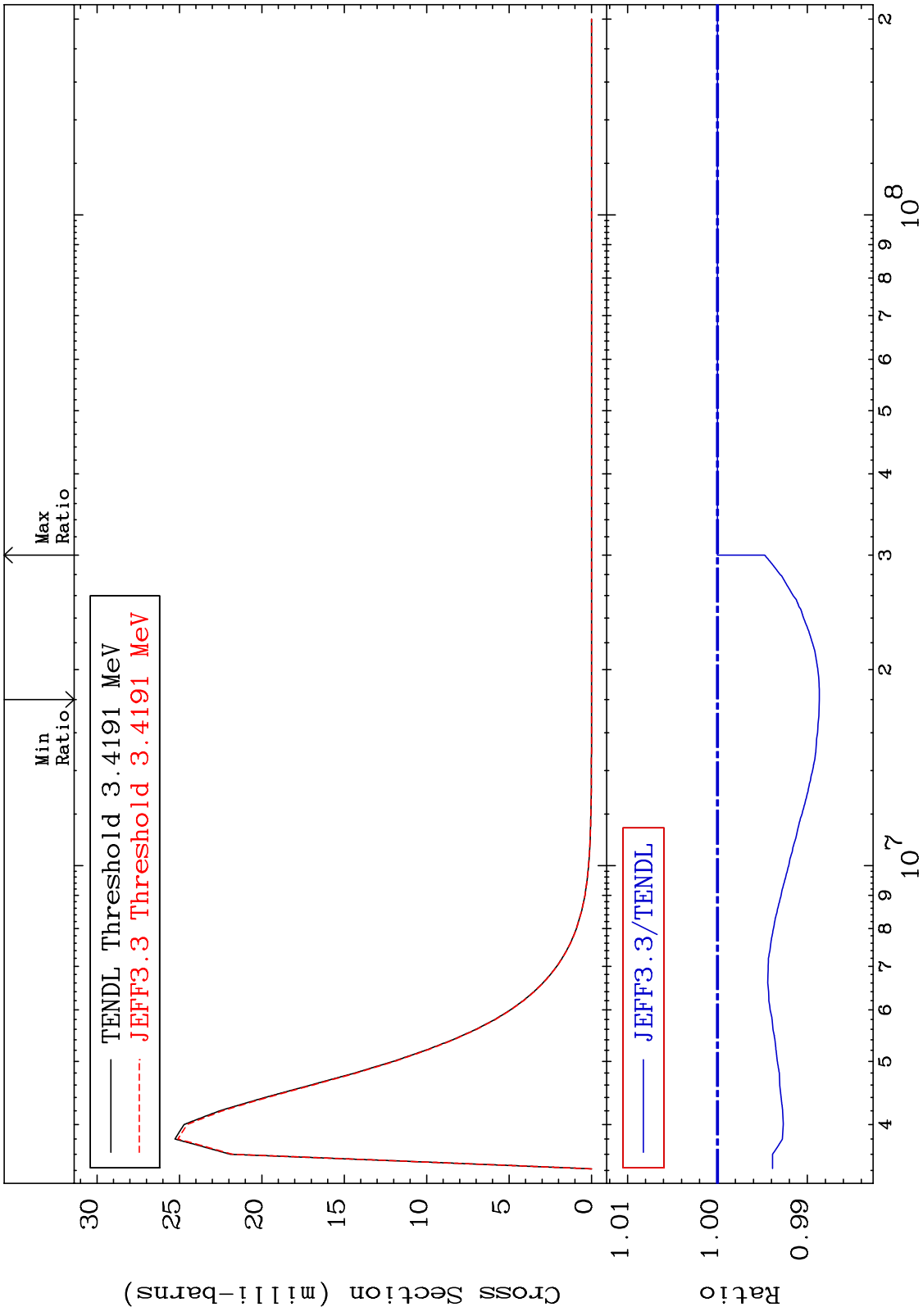


MAT 3025 MT= 72 (n,n') Level Cross Section -1.425 To 0.000 % 30-Zn-64

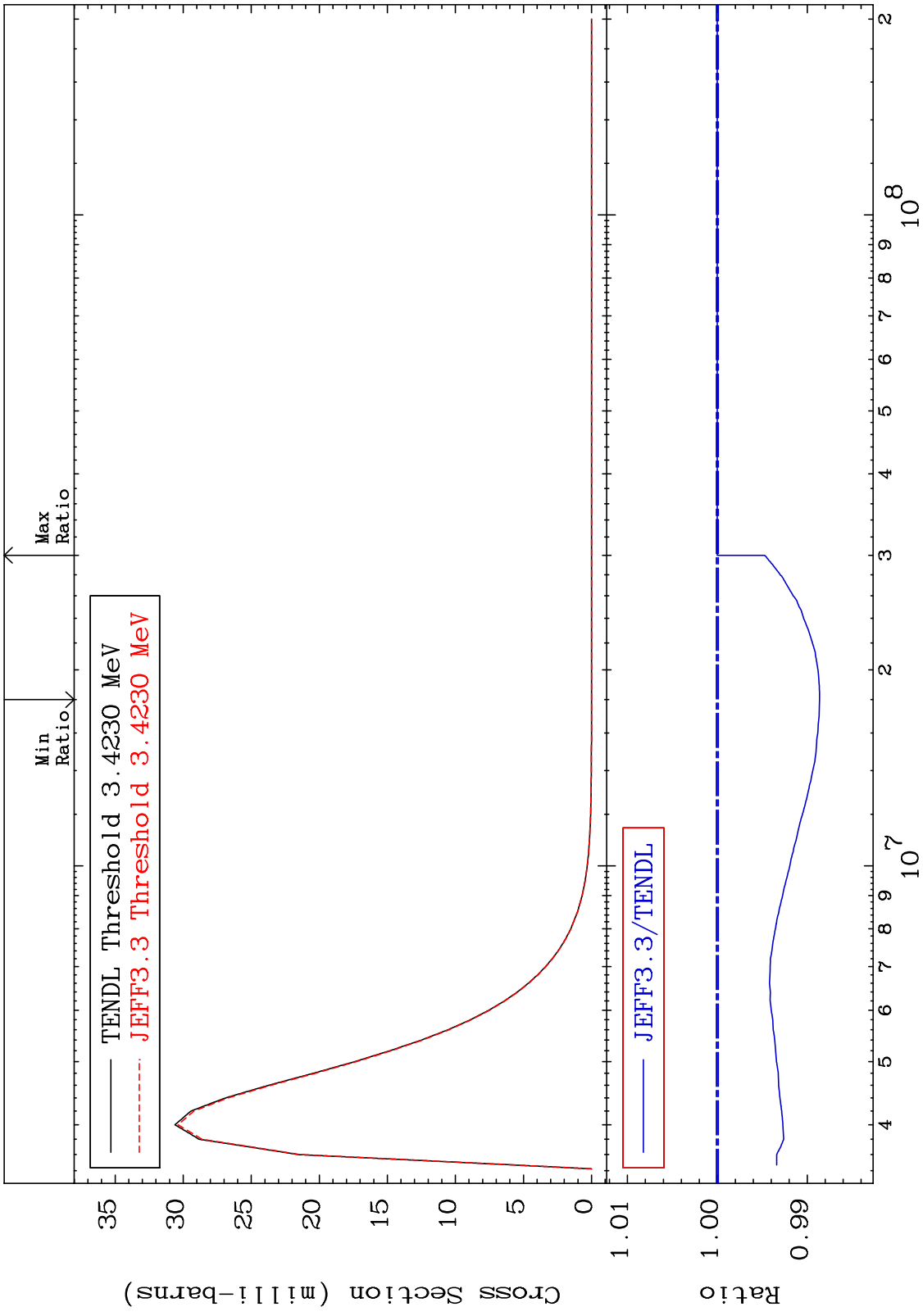


40 Incident Energy (eV) 30-Zn-64

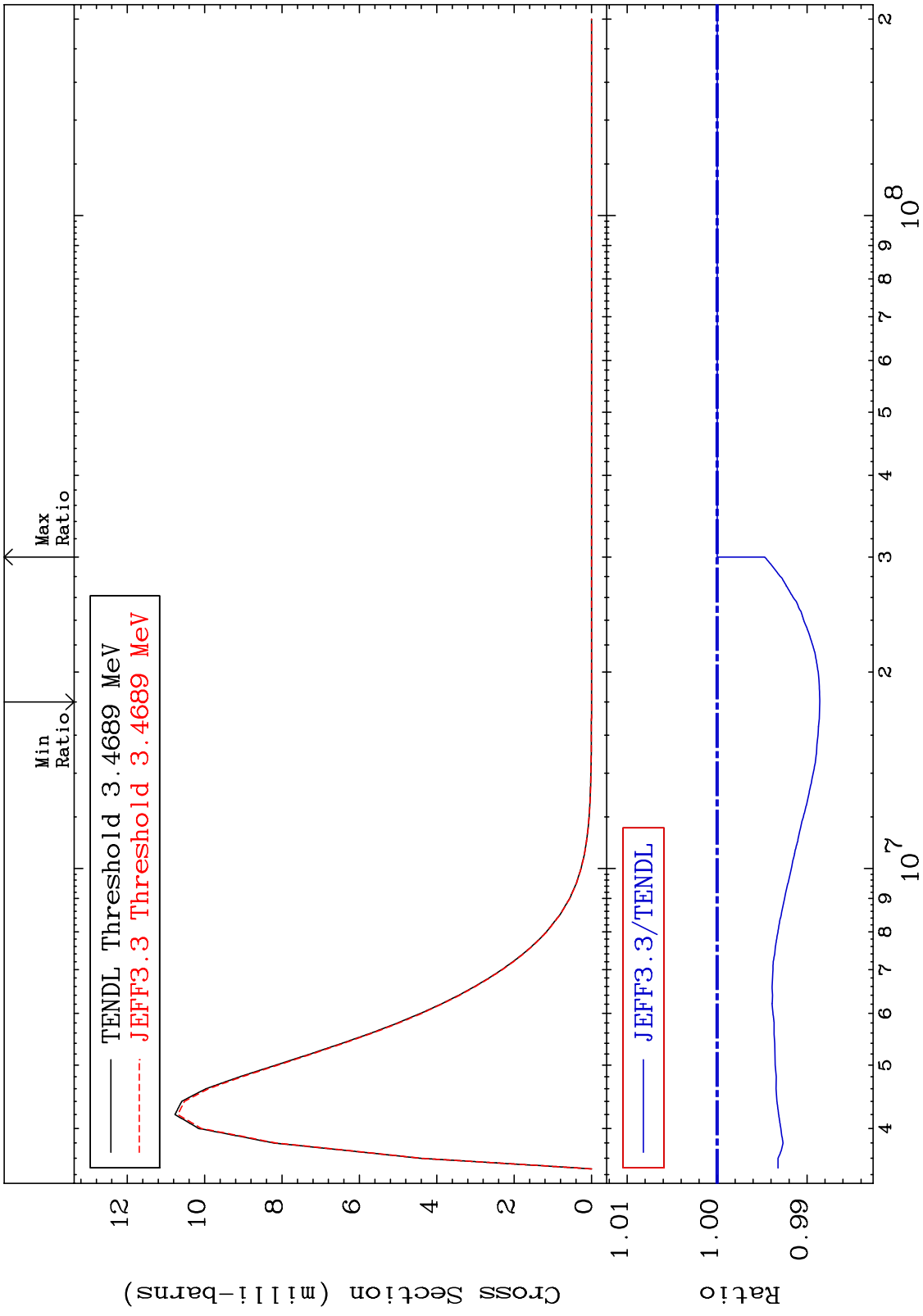
MAT 3025 MT= 73 (n,n') Level Cross Section -1.134 To 0.000 % 30-Zn-64



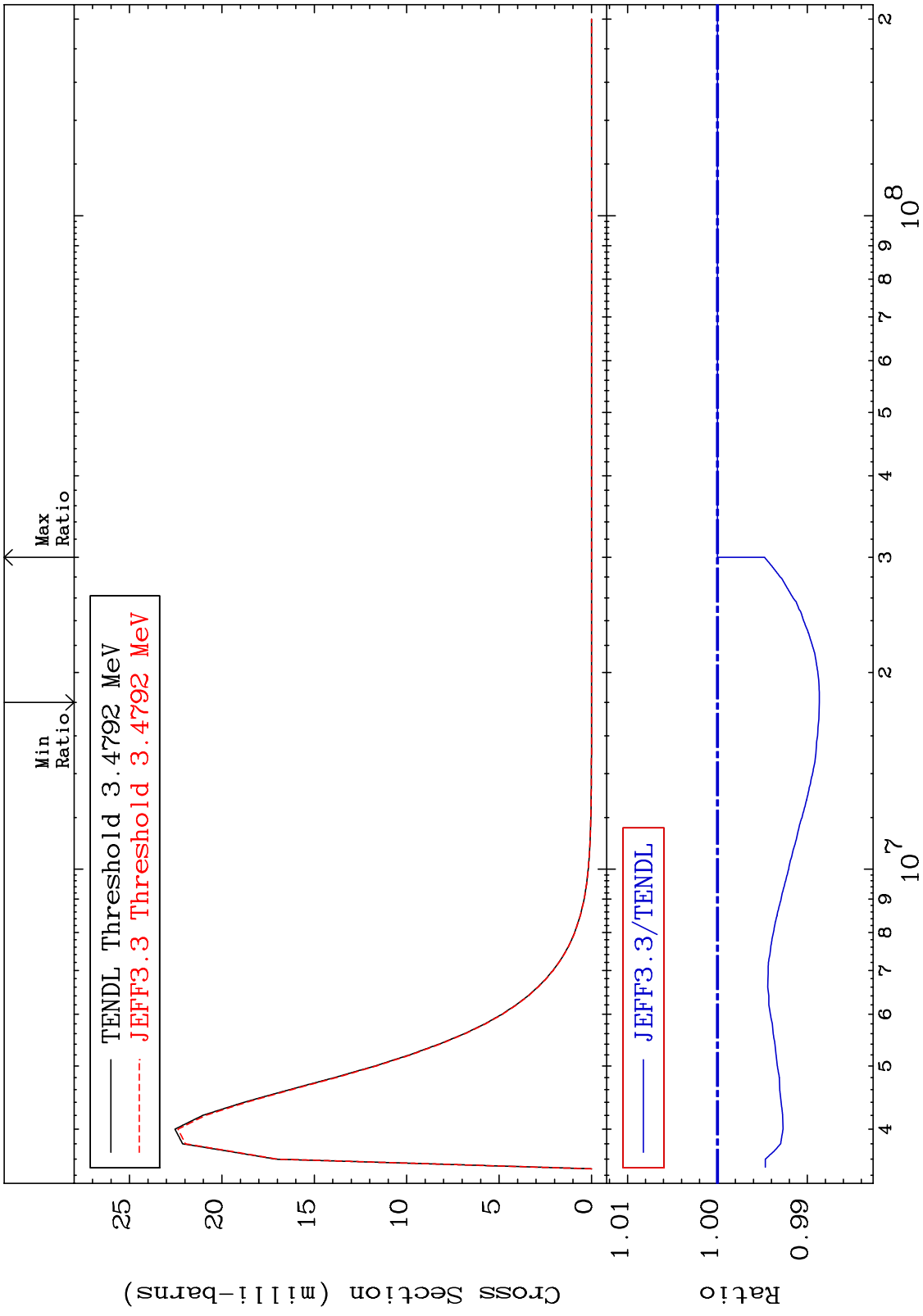
MAT 3025 MT= 74 (n,n') Level Cross Section -1.137 To 0.000 % 30-Zn-64



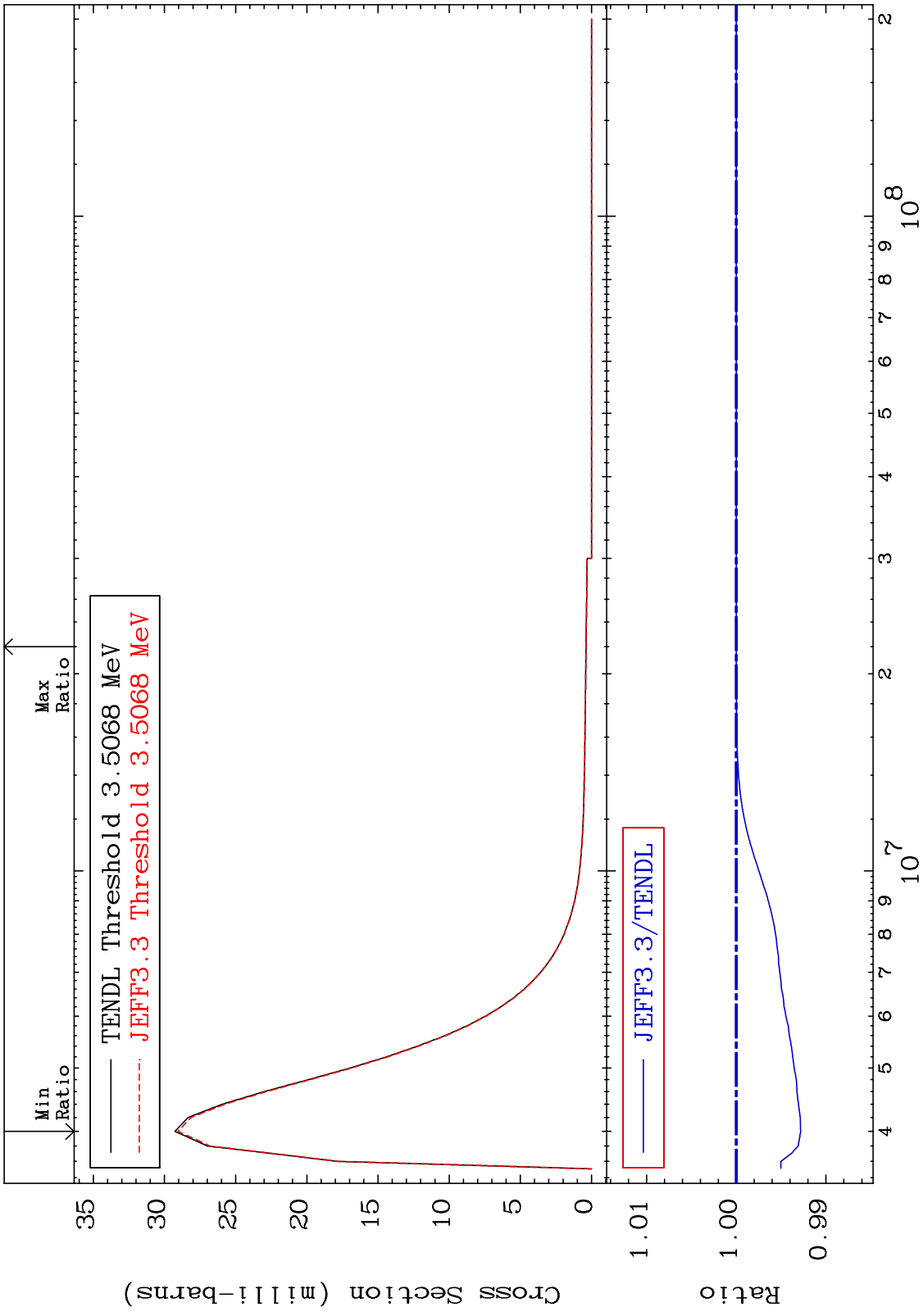
MAT 3025 MT= 75 (n,n') Level Cross Section -1.142 To 0.000 % 30-Zn-64



MAT 3025 MT= 76 (n,n') Level Cross Section 30-Zn-64
 -1.134 To 0.000 %

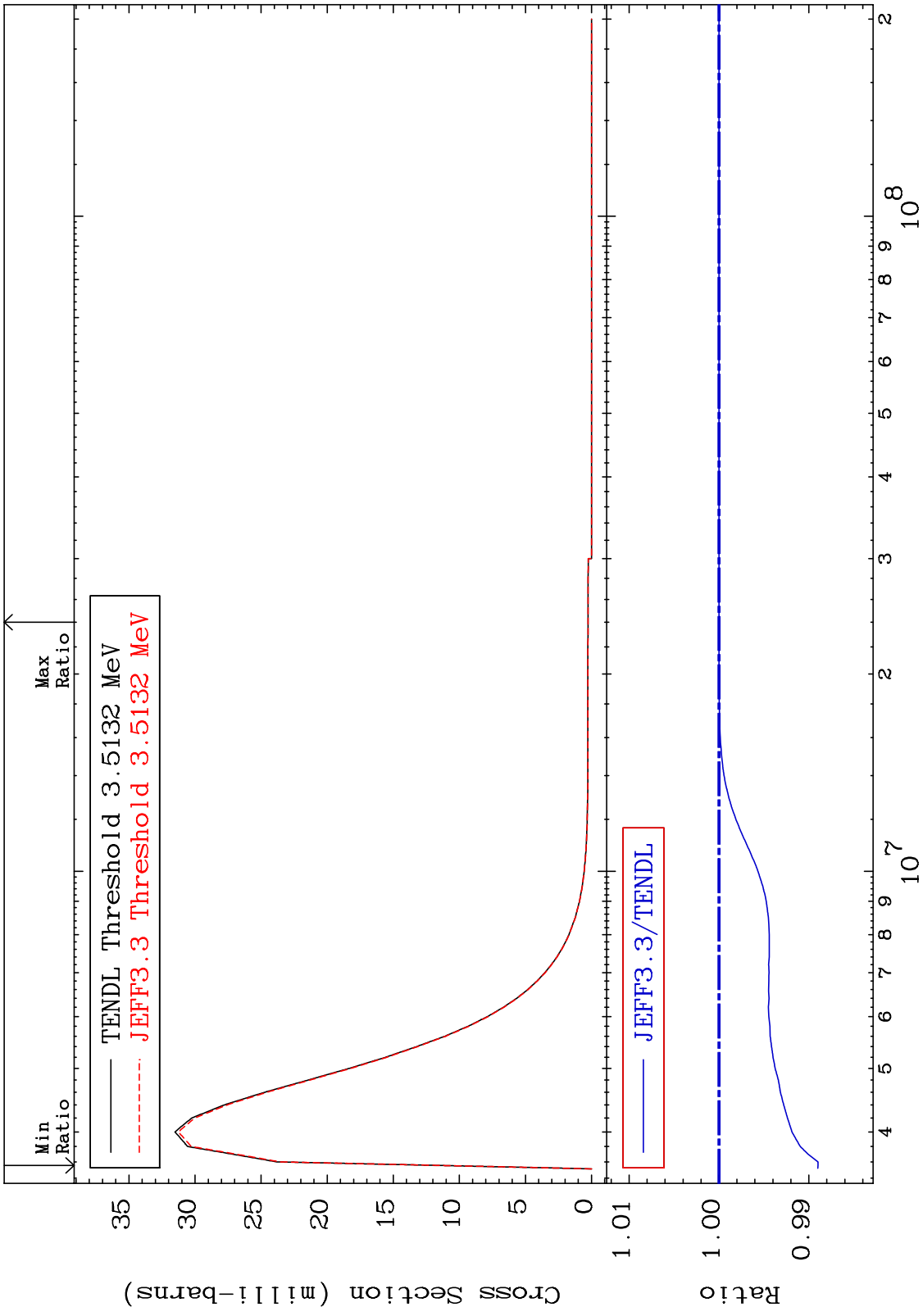


MAT 3025 MT= 77 (n,n') Level Cross Section 30-Zn-64 -0.718 To 0.000 %

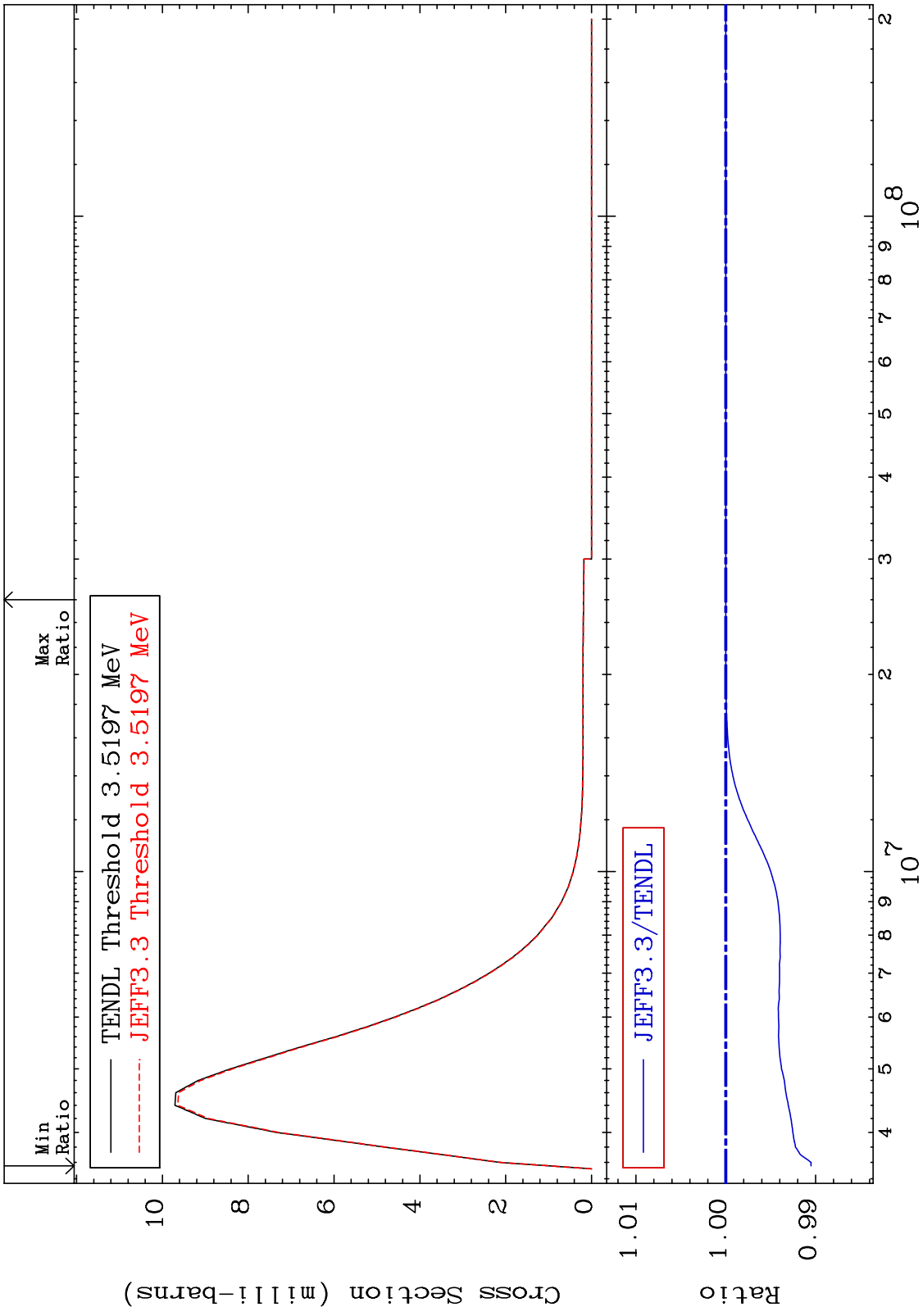


45 30-Zn-64

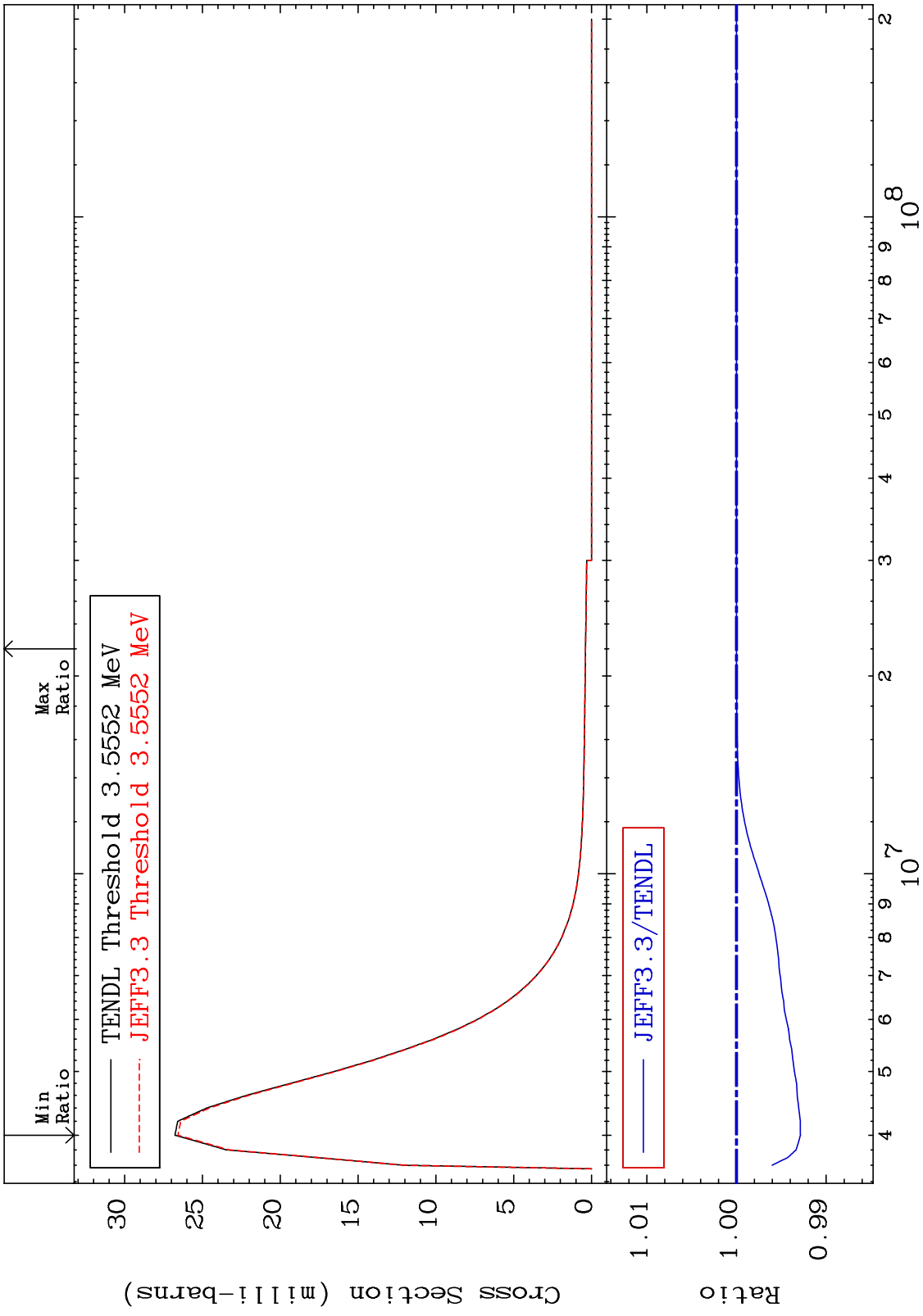
MAT 3025 MT= 78 (n,n') Level Cross Section -1.101 To 0.000 % 30-Zn-64



MAT 3025 MT= 79 (n,n') Level Cross Section 30-Zn-64 -0.950 To 0.000 %



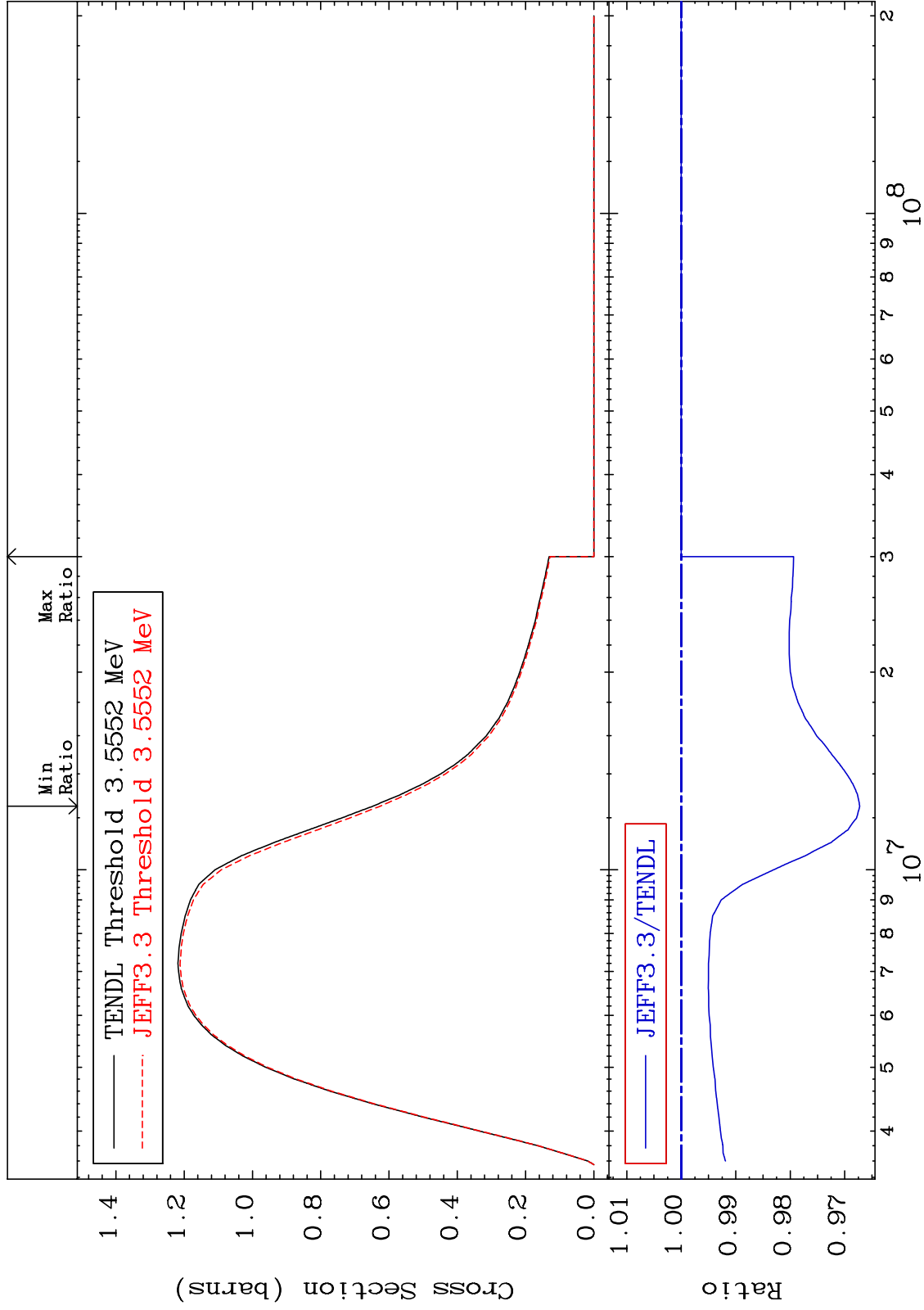
MAT 3025 MT= 80 (n,n') Level 30-Zn-64
 Cross Section -0.713 To 0.000 %



MAT 3025

(n, n') Continuum
Cross Section

30-Zn-64
-3.276 To 0.000 %



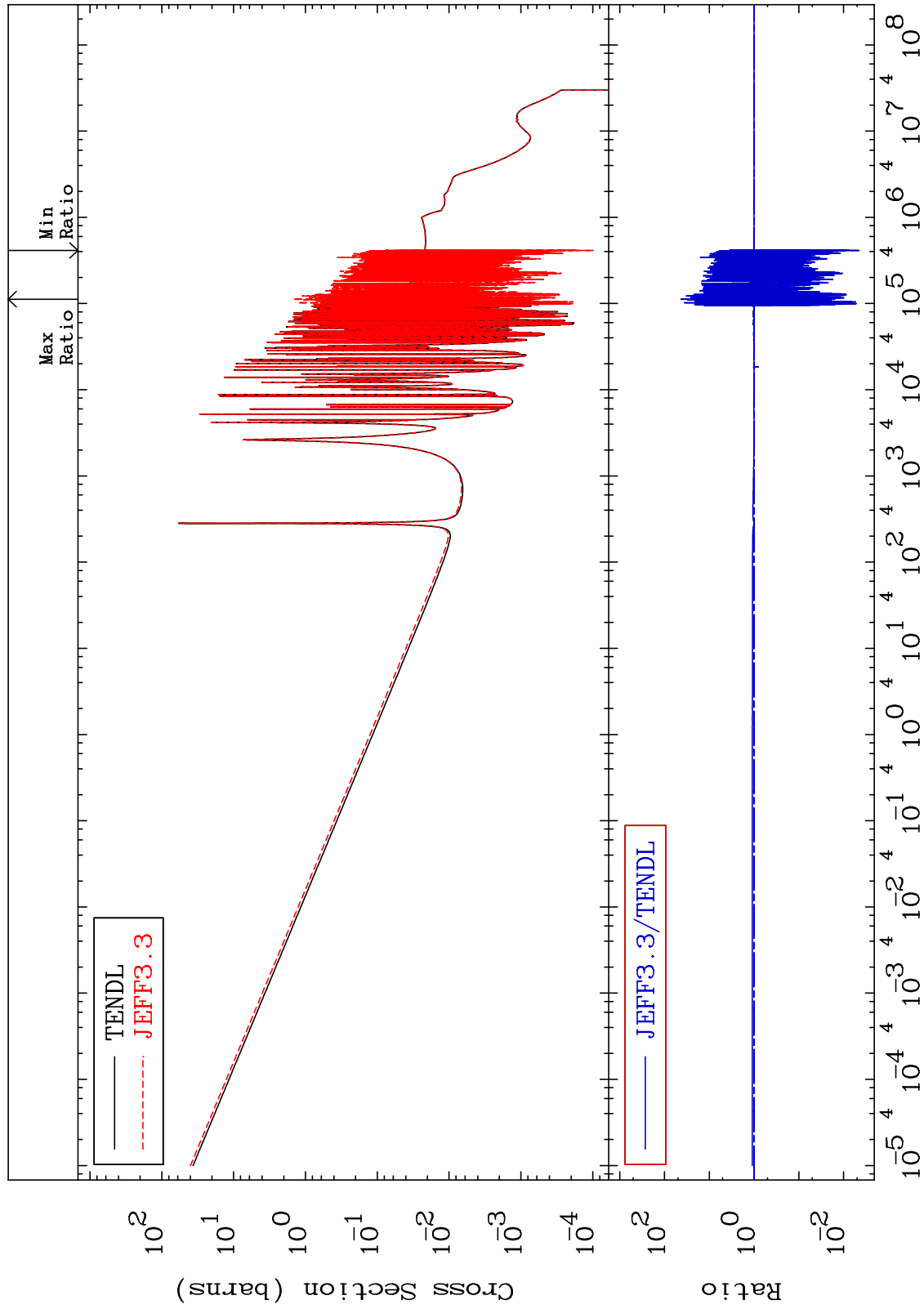
MAT 3025

(n, γ)

30-Zn-64

Cross Section

-99.55 To 4205. %

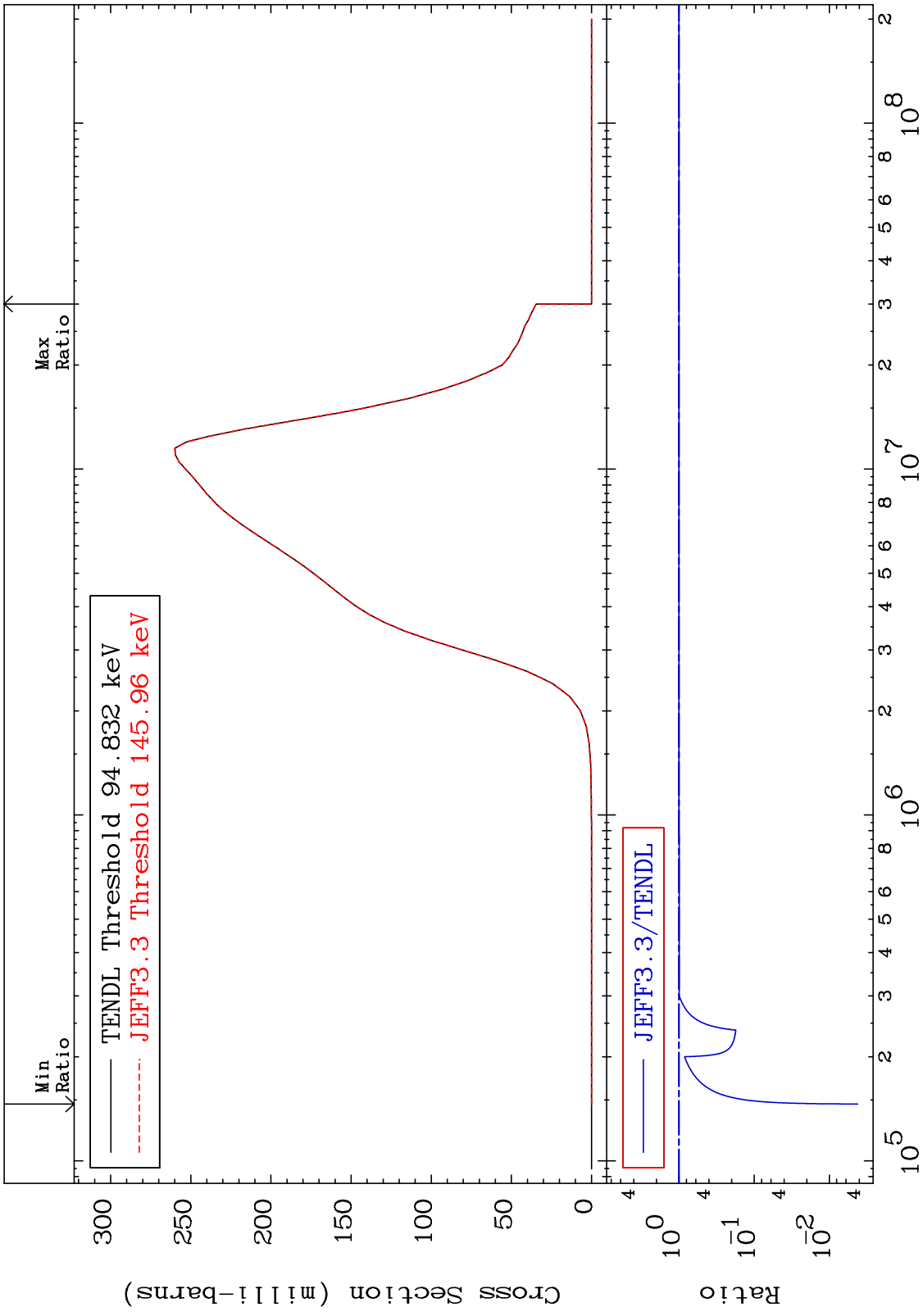


50

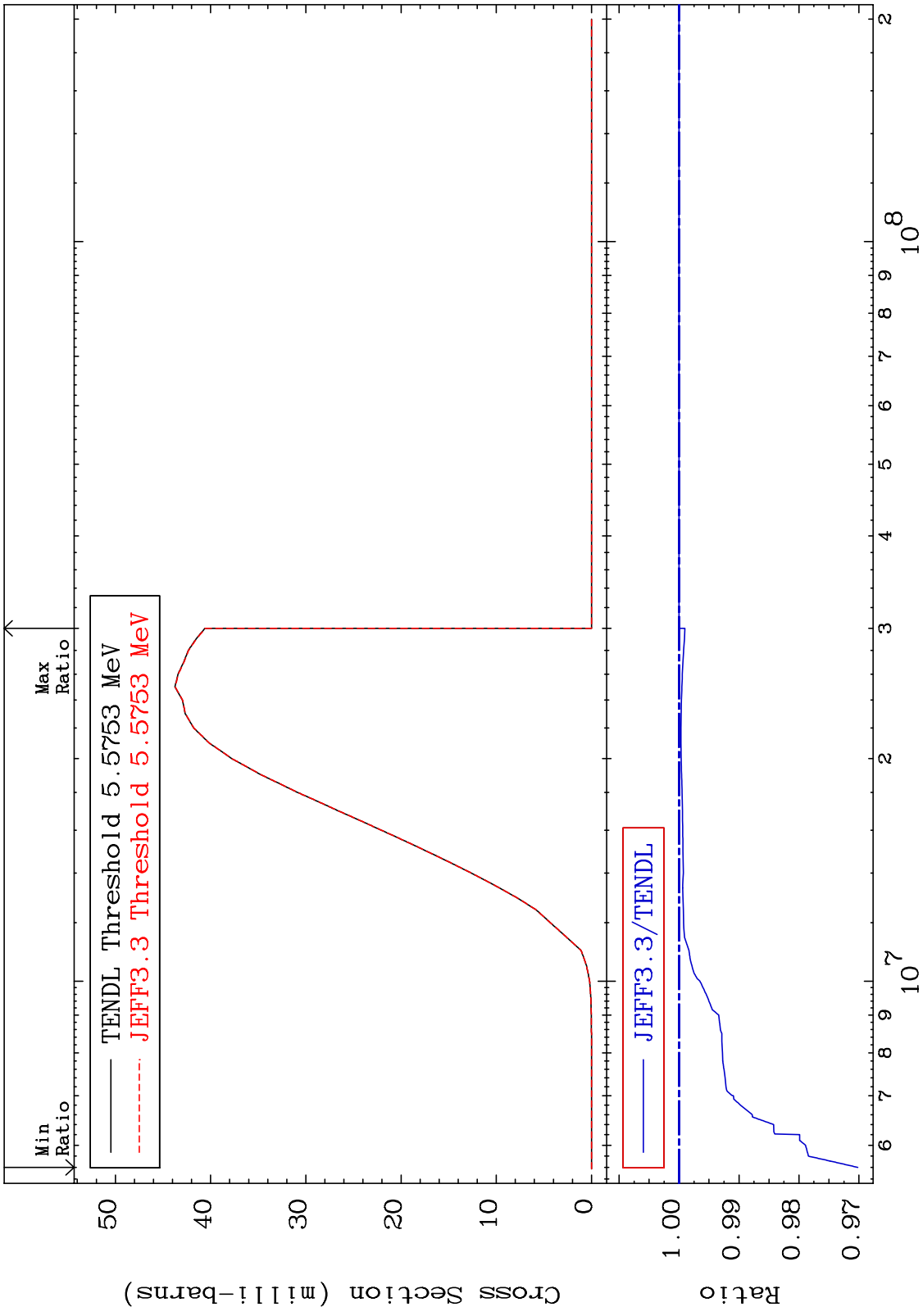
Incident Energy (eV)

30-Zn-64

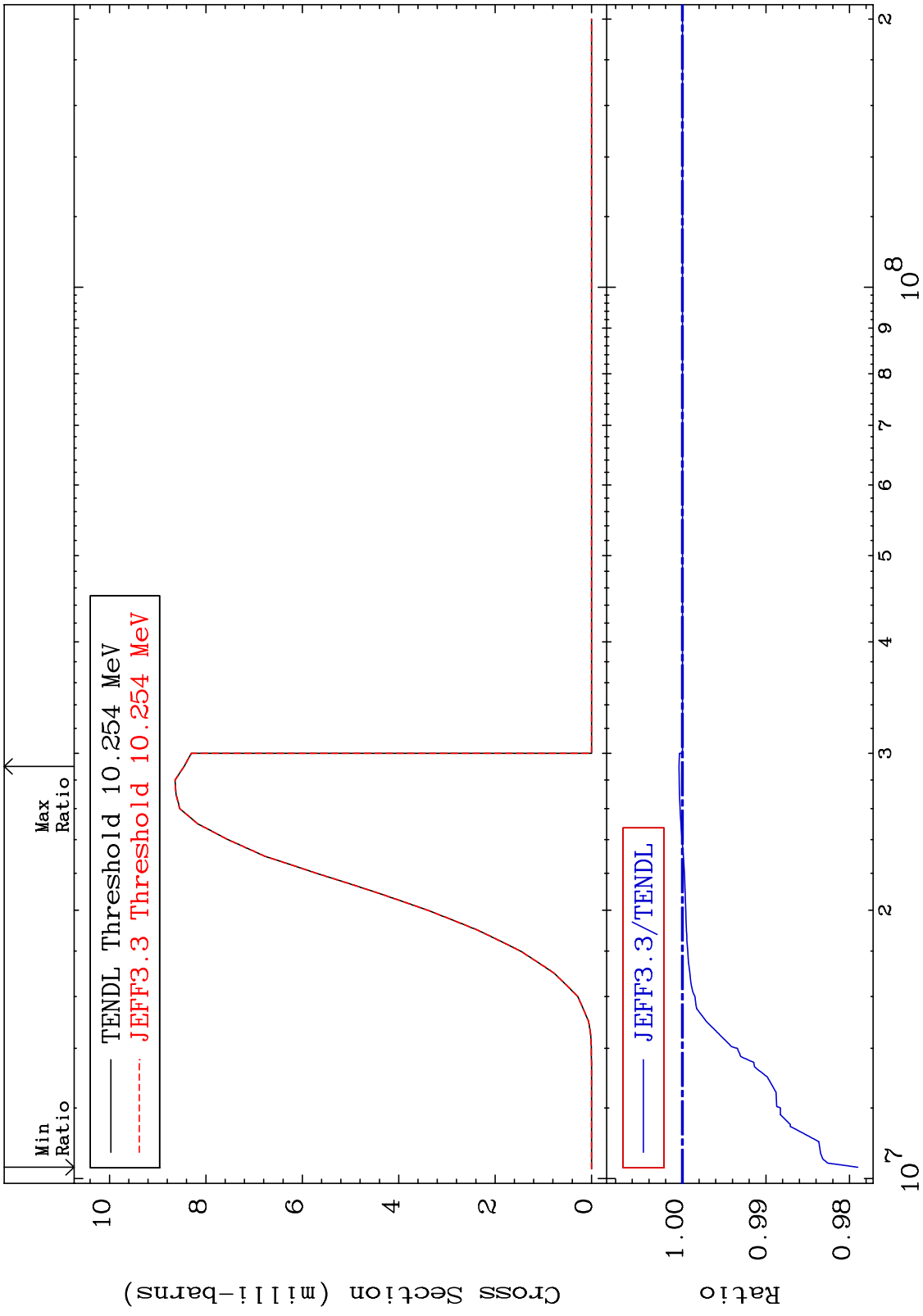
MAT 3025 (n,p) Cross Section 30-Zn-64 -99.58 To 0.098 %



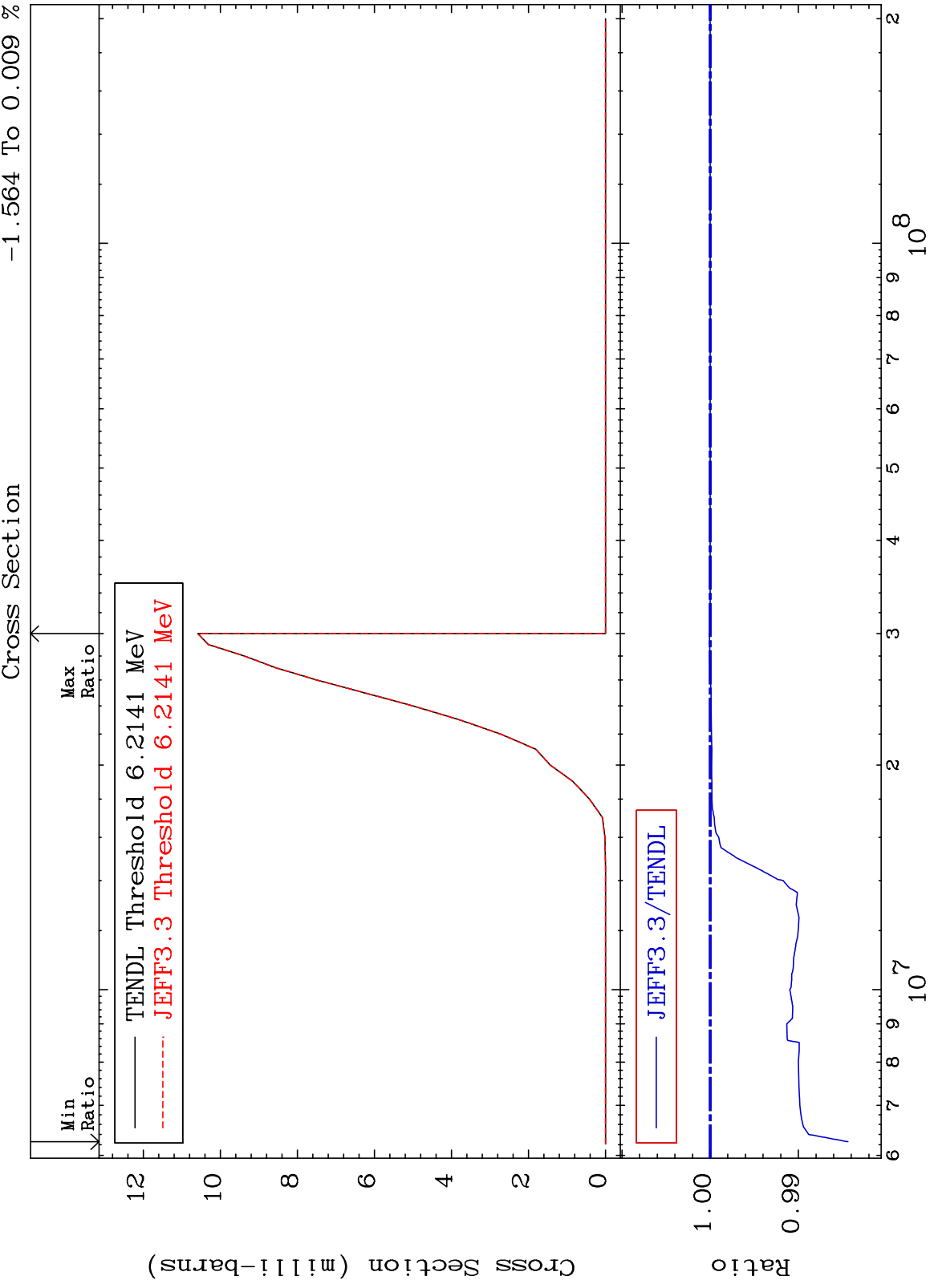
MAT 3025 (n,d) 30-Zn-64
Cross Section -2.982 To 0.000 %



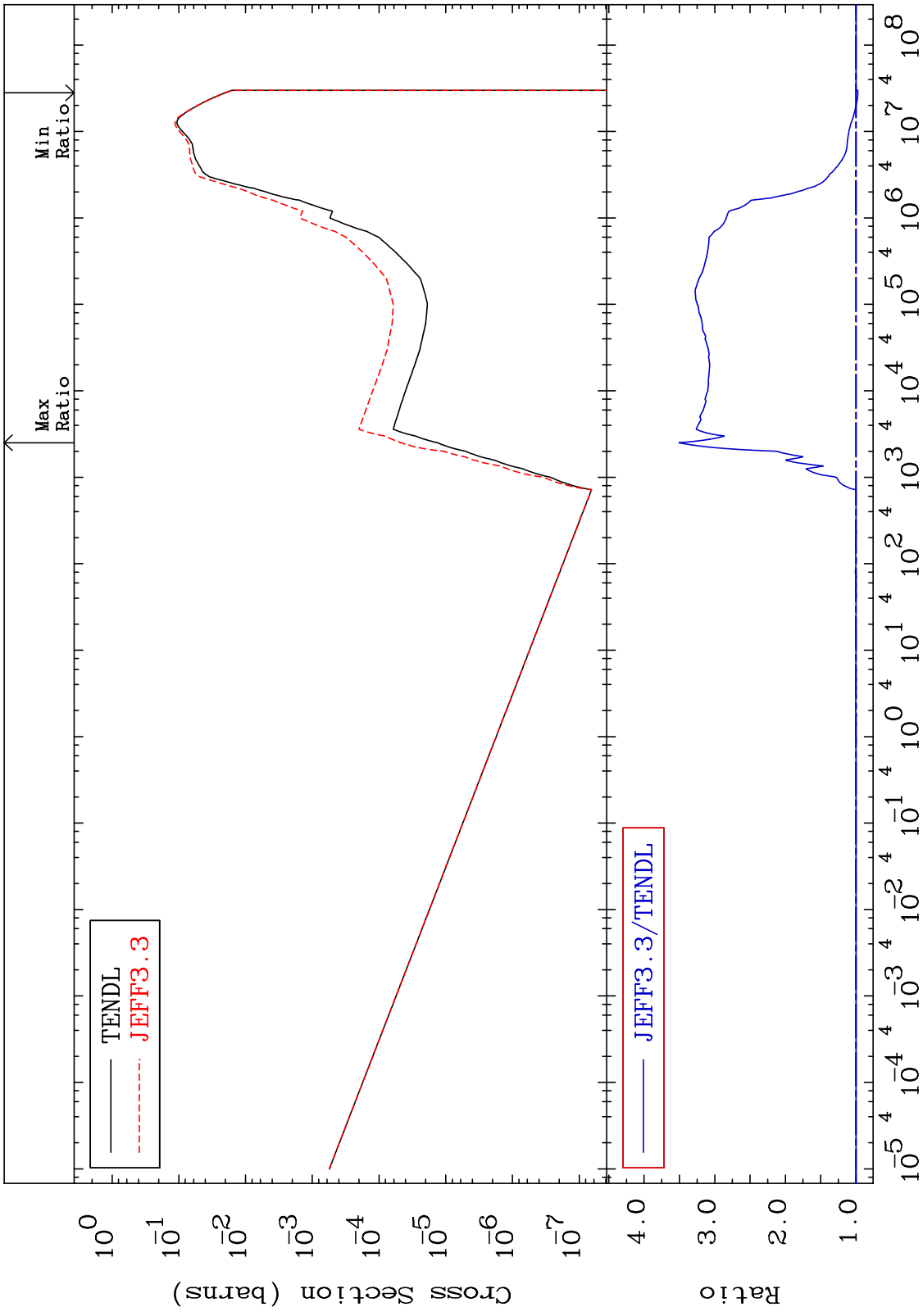
MAT 3025 (n,t) 30-Zn-64
 Cross Section -2.100 To 0.040 %



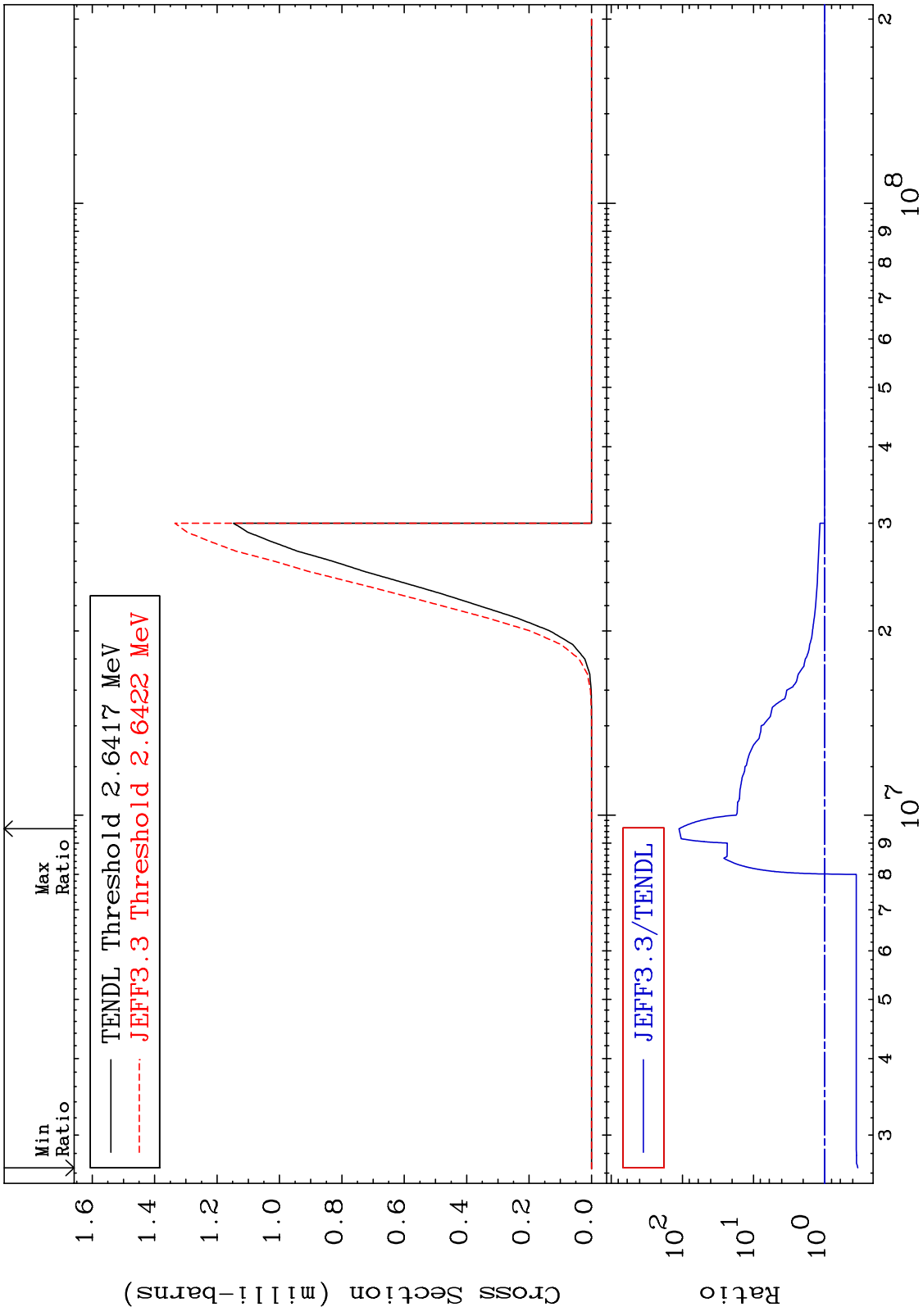
53 30-Zn-64



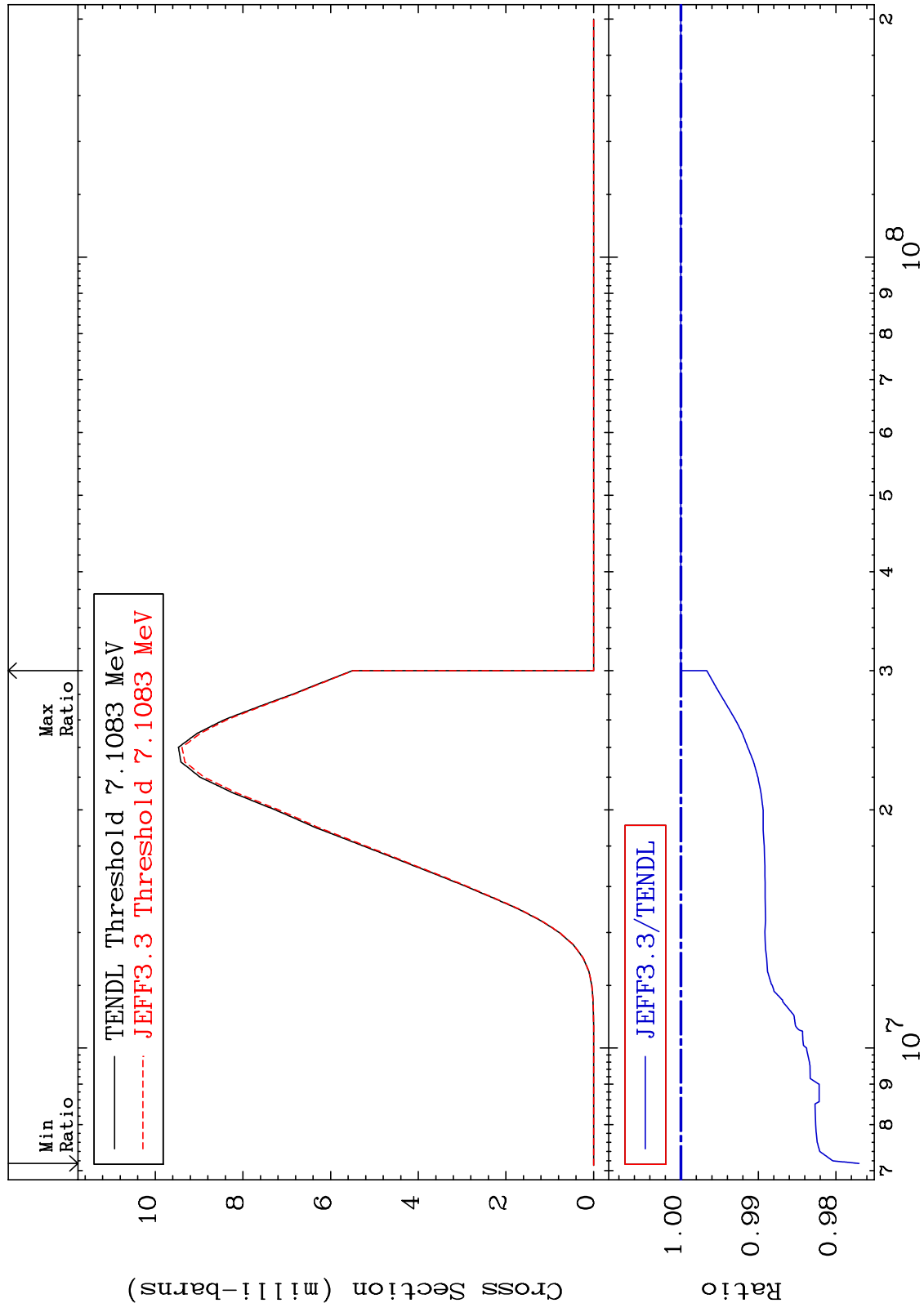
MAT 3025 $^{30}\text{Zn-64}$ (n, α) Cross Section -2.591 To 250.5 %



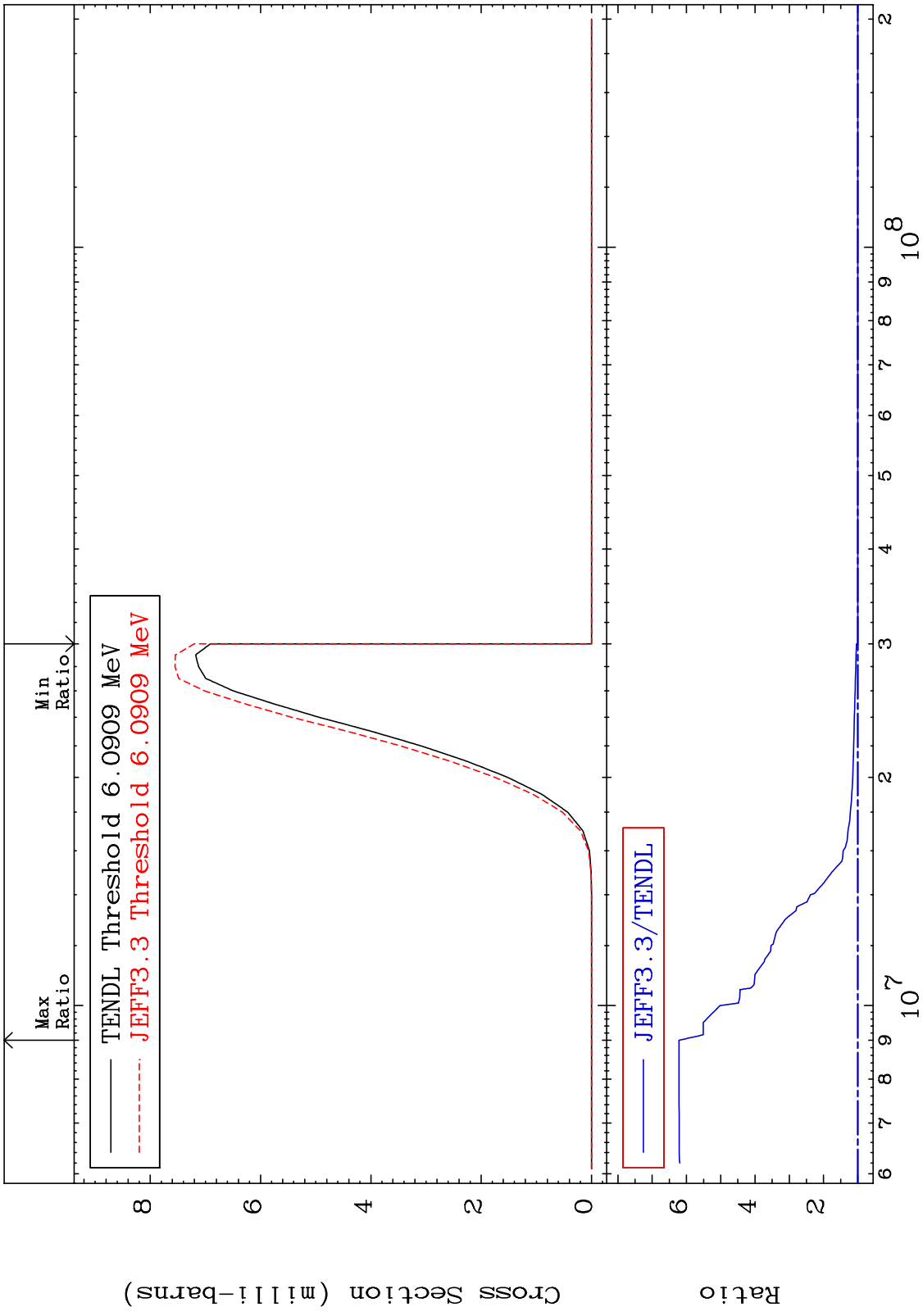
MAT 3025 30-Zn-64
-65.96 To 9999. %
 (n,2α)
 Cross Section



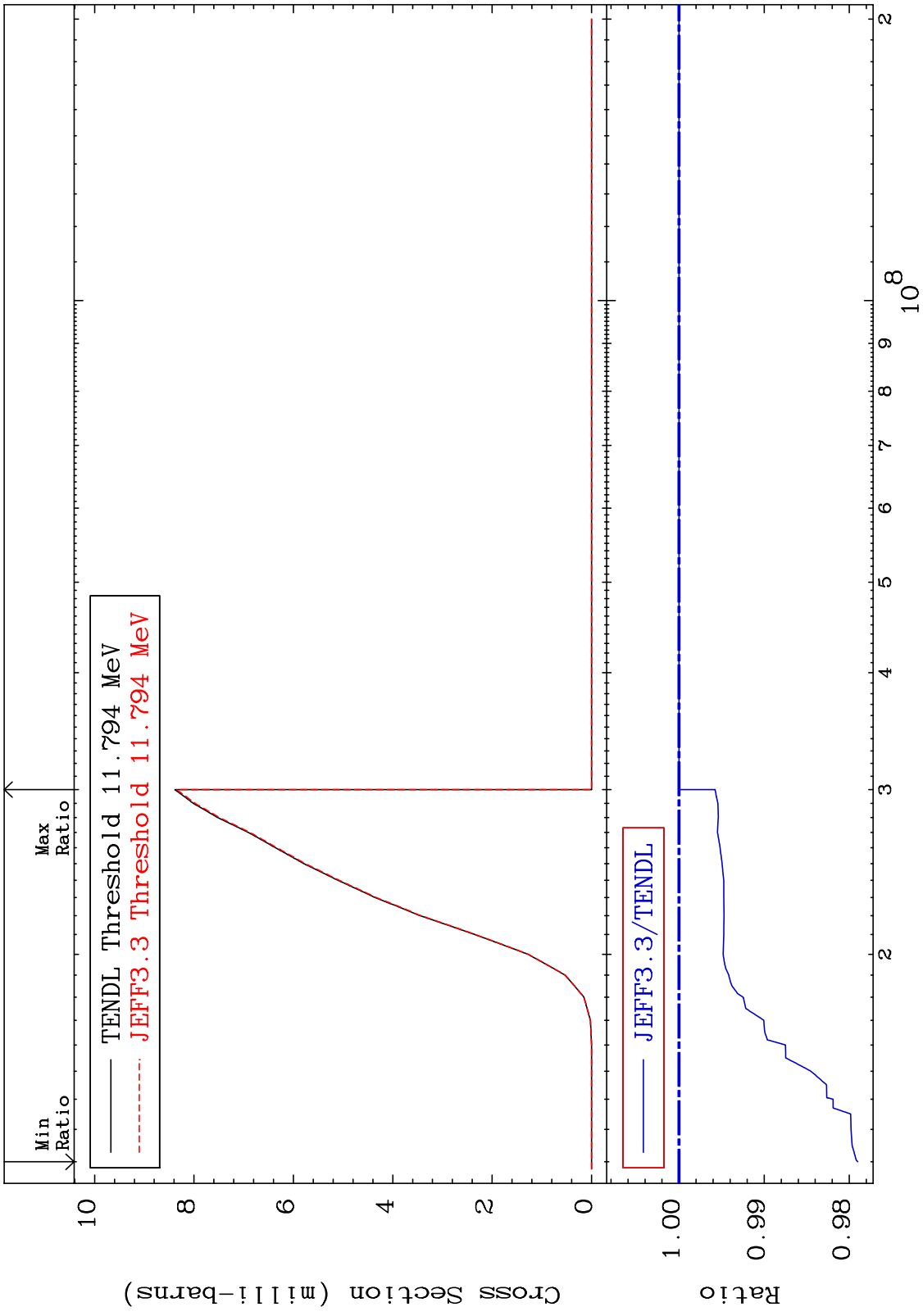
MAT 3025 (n,2p) 30-Zn-64
Cross Section -2.300 To 0.000 %



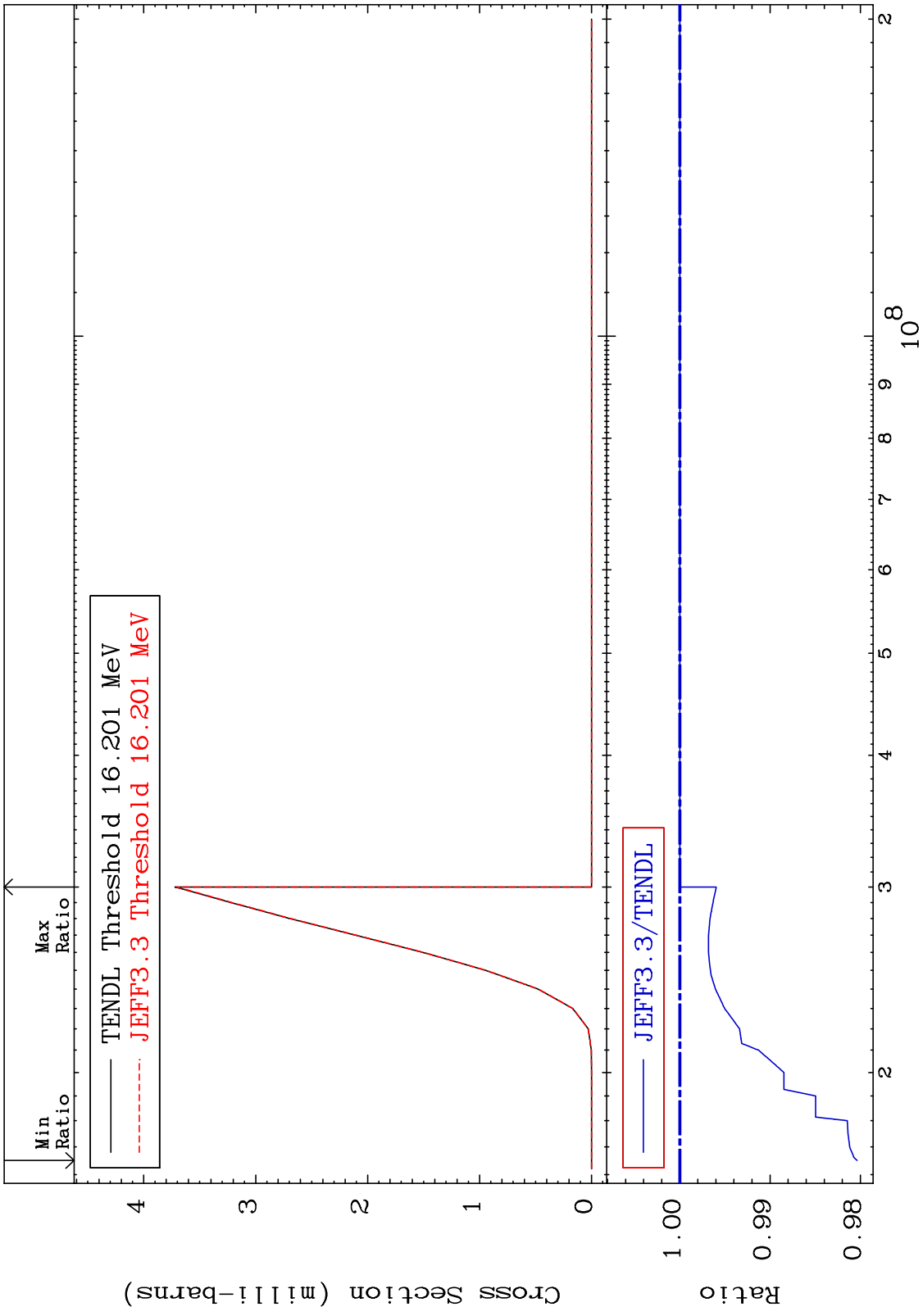
MAT 3025 $(n,p) \alpha$ Cross Section $^{30}\text{Zn-64}$ To 521.6 %



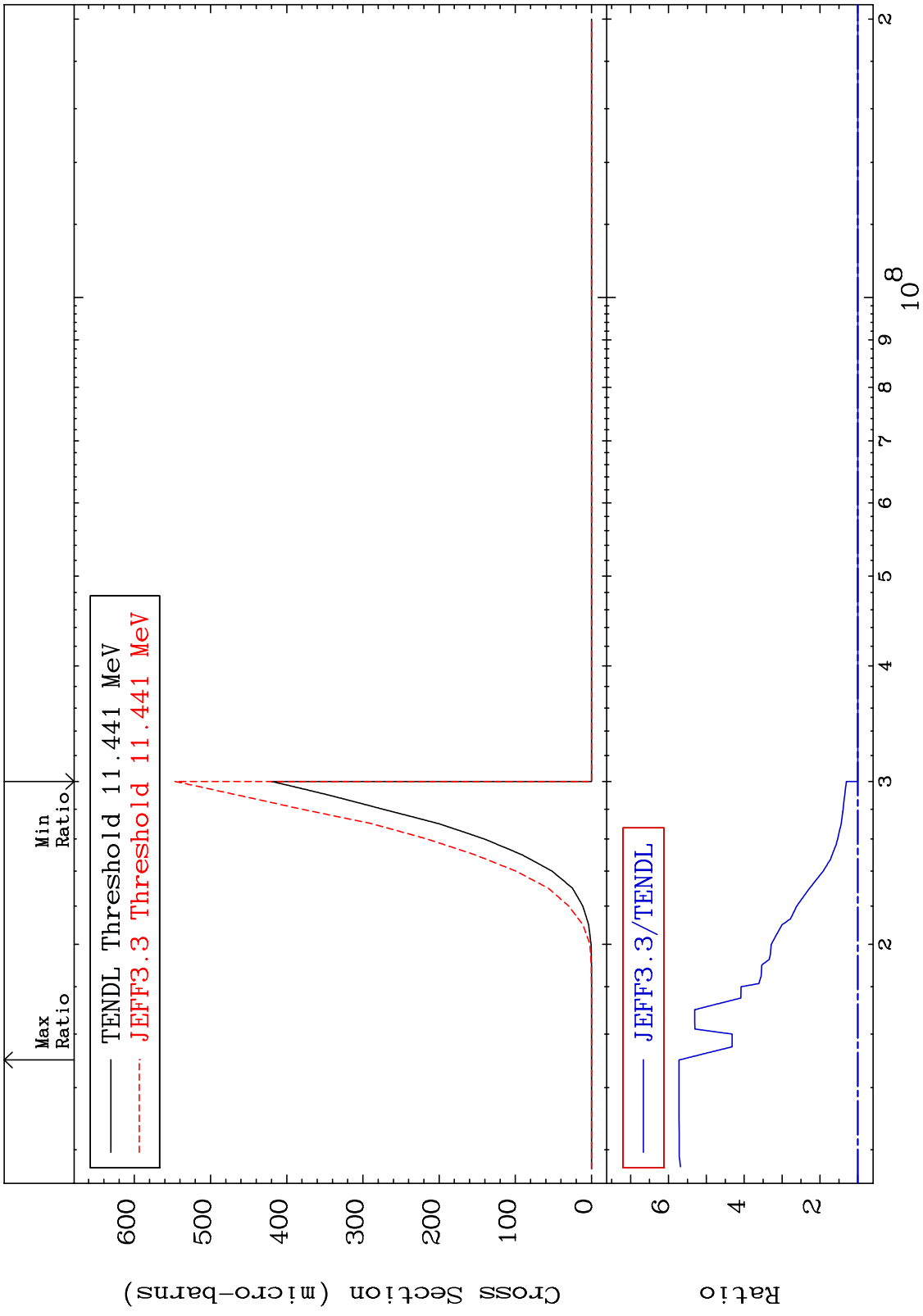
MAT 3025 (n,p) d 30-Zn-64
 Cross Section -2.100 To 0.000 %



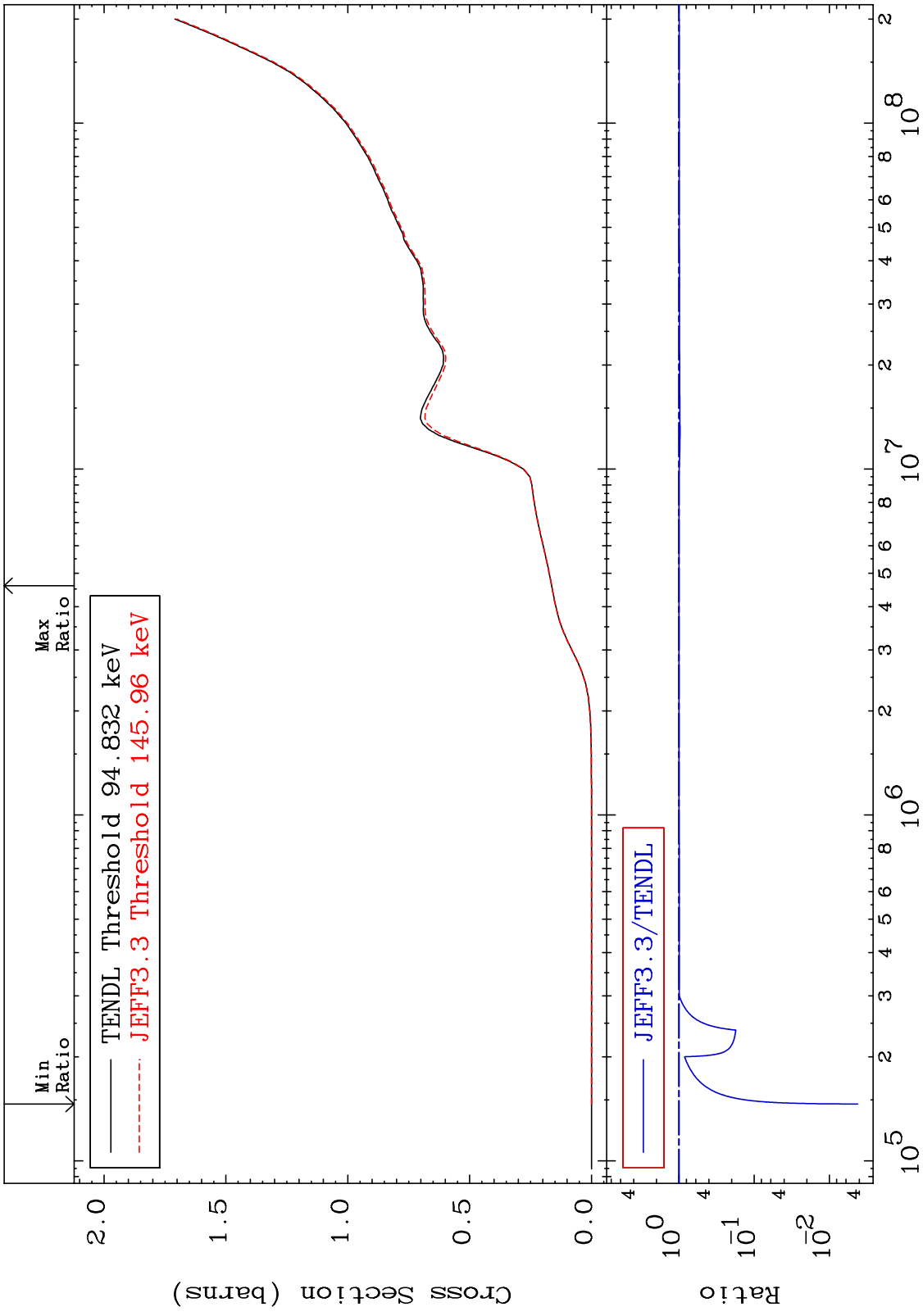
MAT 3025 (n,p) t 30-Zn-64
 Cross Section -1.964 To 0.000 %



MAT 3025 (n,d) α 30-Zn-64
 Cross Section 0.000 To 472.1 %

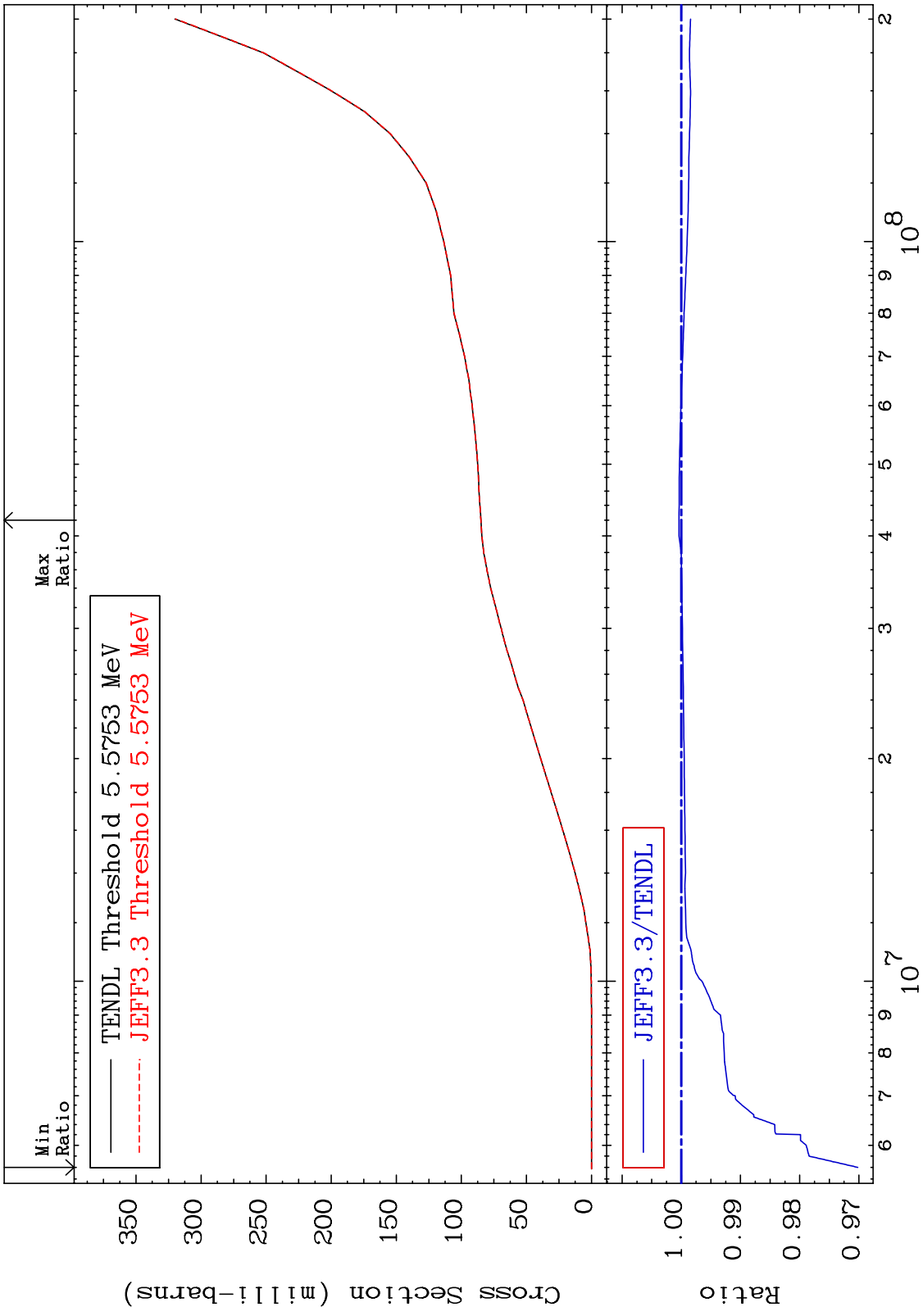


MAT 3025 Hydrogen Production Cross Section 30-Zn-64
 -99.58 To 0.000 %

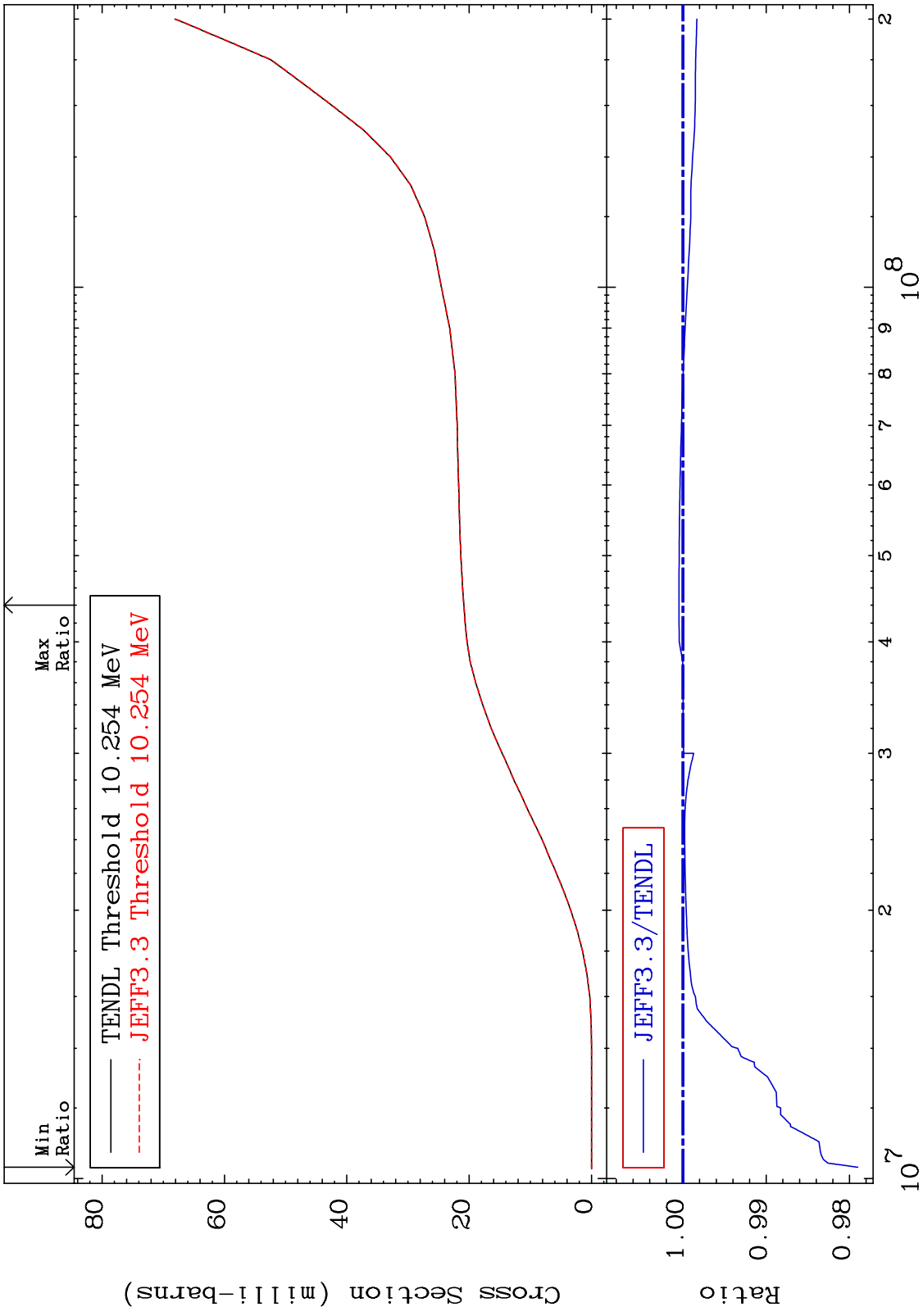


62 Incident Energy (eV) 30-Zn-64

MAT 3025 Deuterium Production Cross Section 30-Zn-64 -2.982 To 0.038 %



MAT 3025 Tritium Production Cross Section 30-Zn-64 -2.100 To 0.047 %

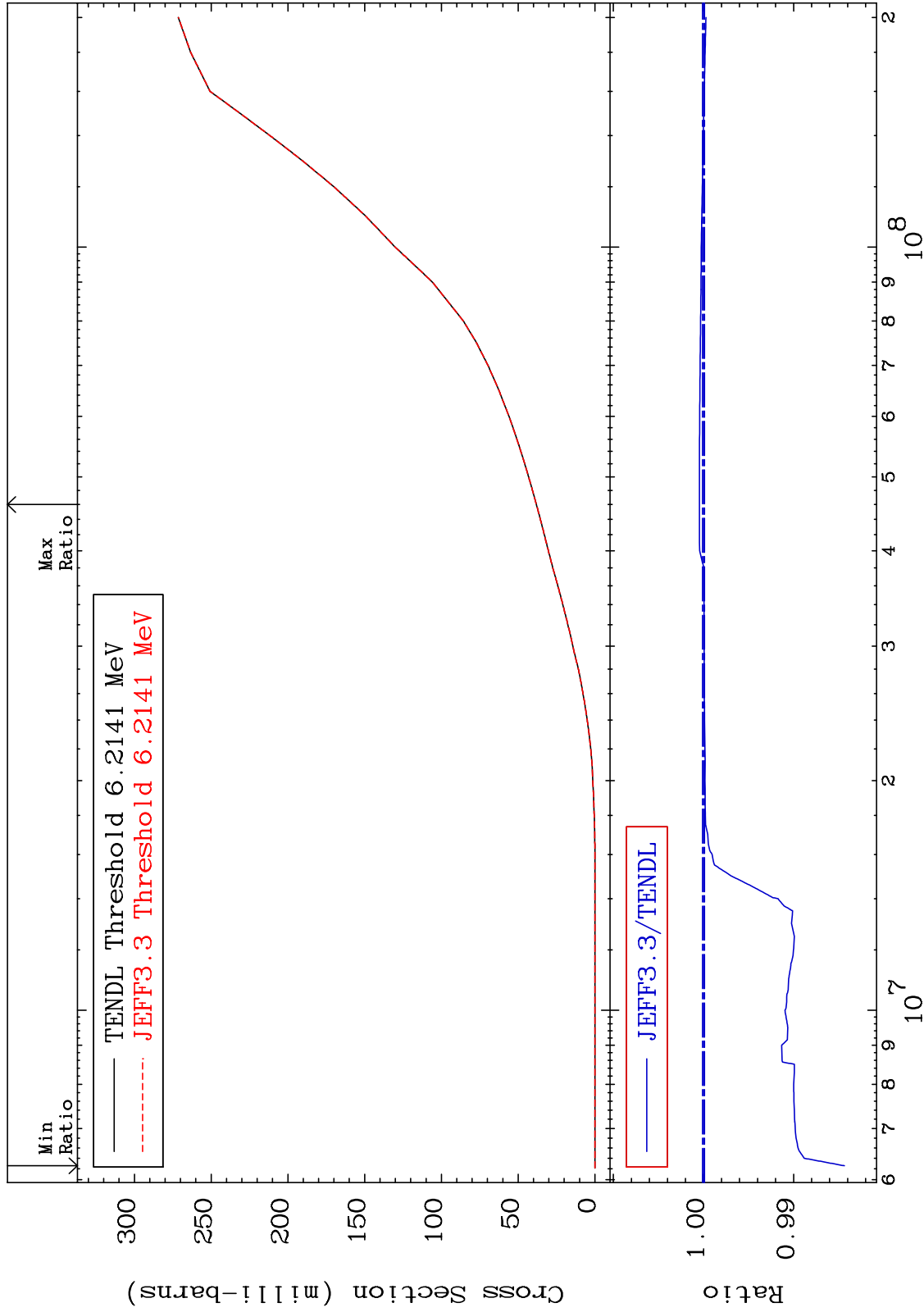


64 Incident Energy (eV) 30-Zn-64

MAT 3025

He-3 Production
Cross Section

30-Zn-64
-1.564 To 0.046 %



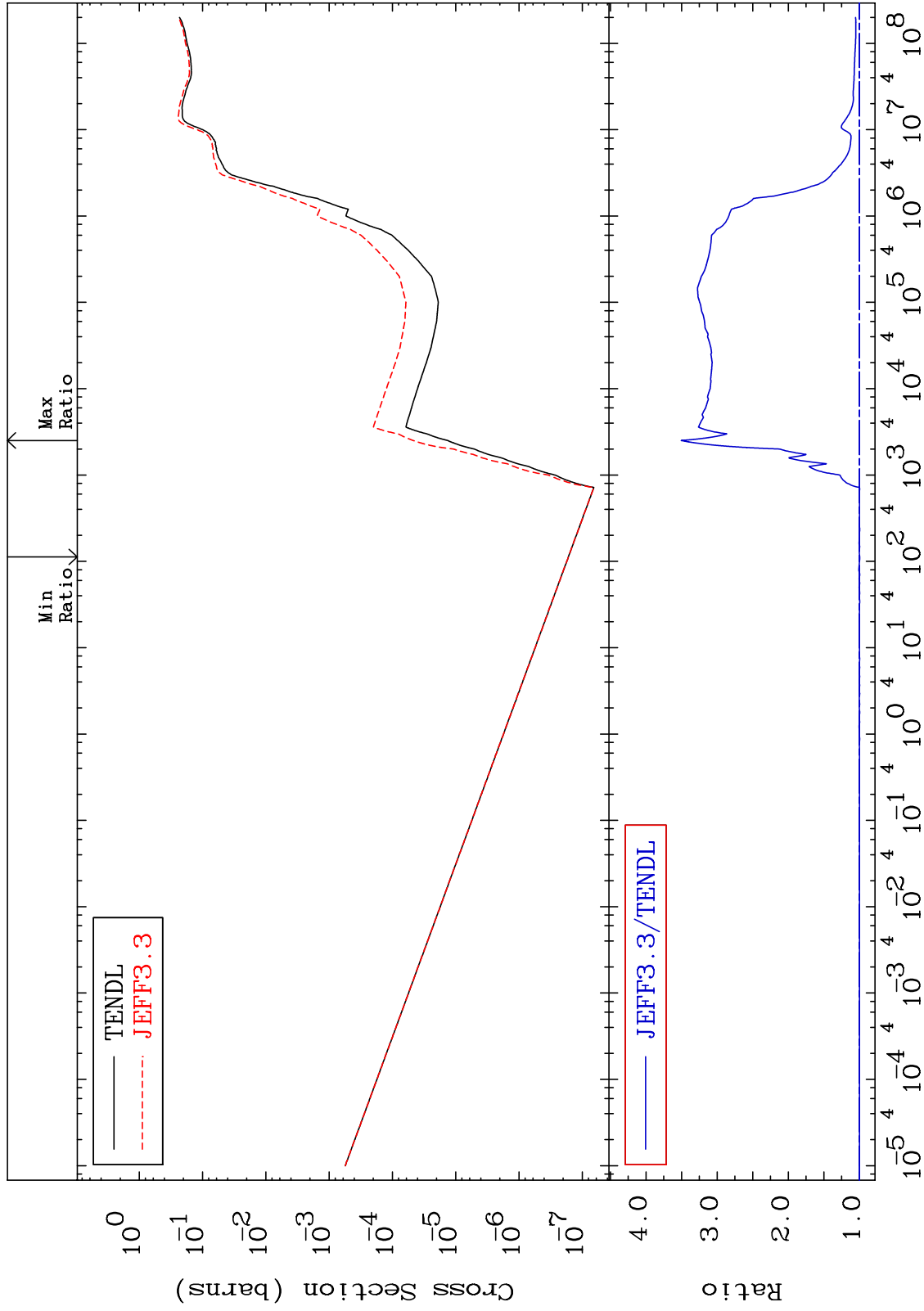
65

30-Zn-64

MAT 3025

He-4 Production
Cross Section

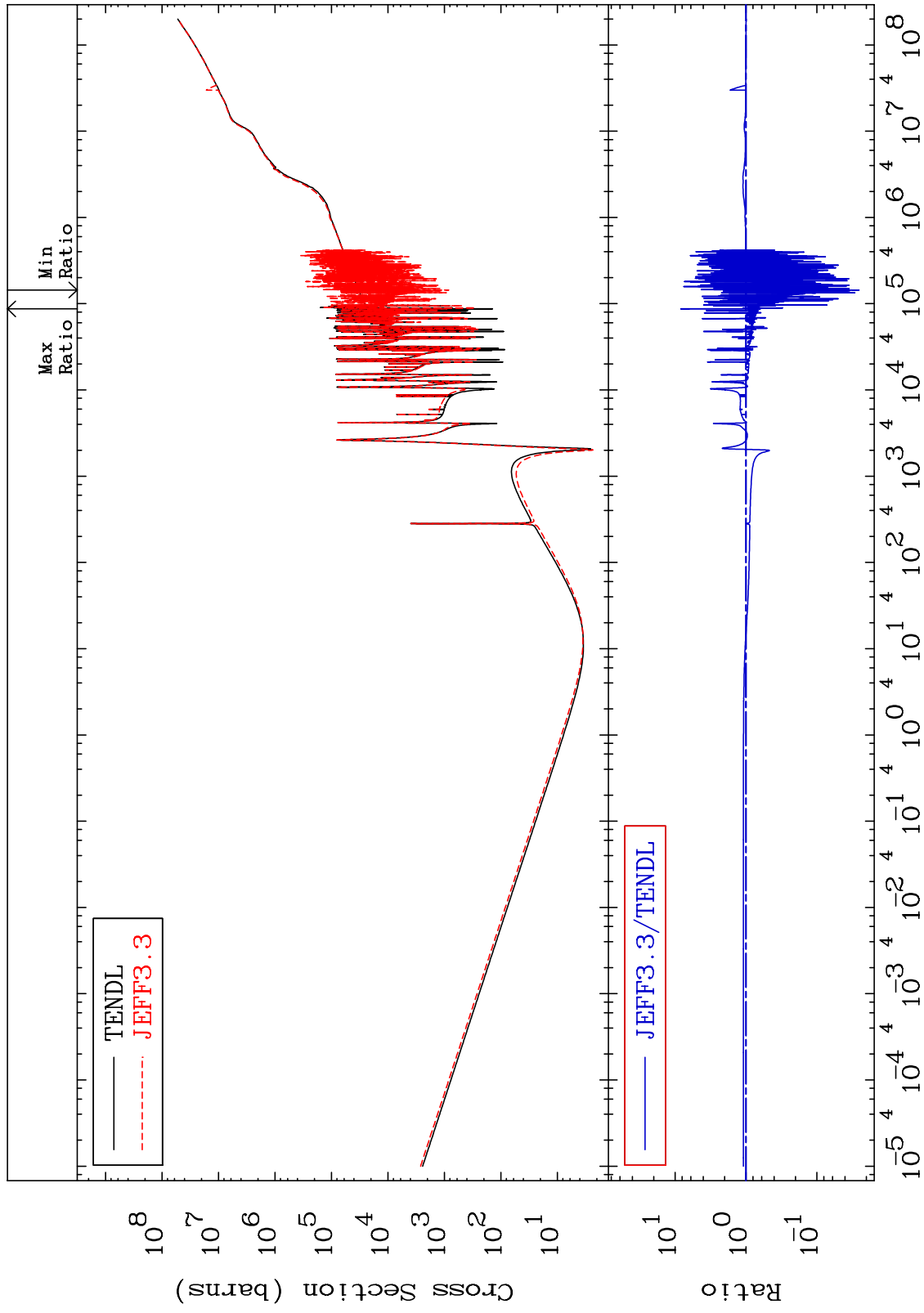
30-Zn-64
-0.389 To 250.5 %



MAT 3025

Kerma total (eV-barns)
Cross Section

30-Zn-64
-97.45 To 736.4 %



67

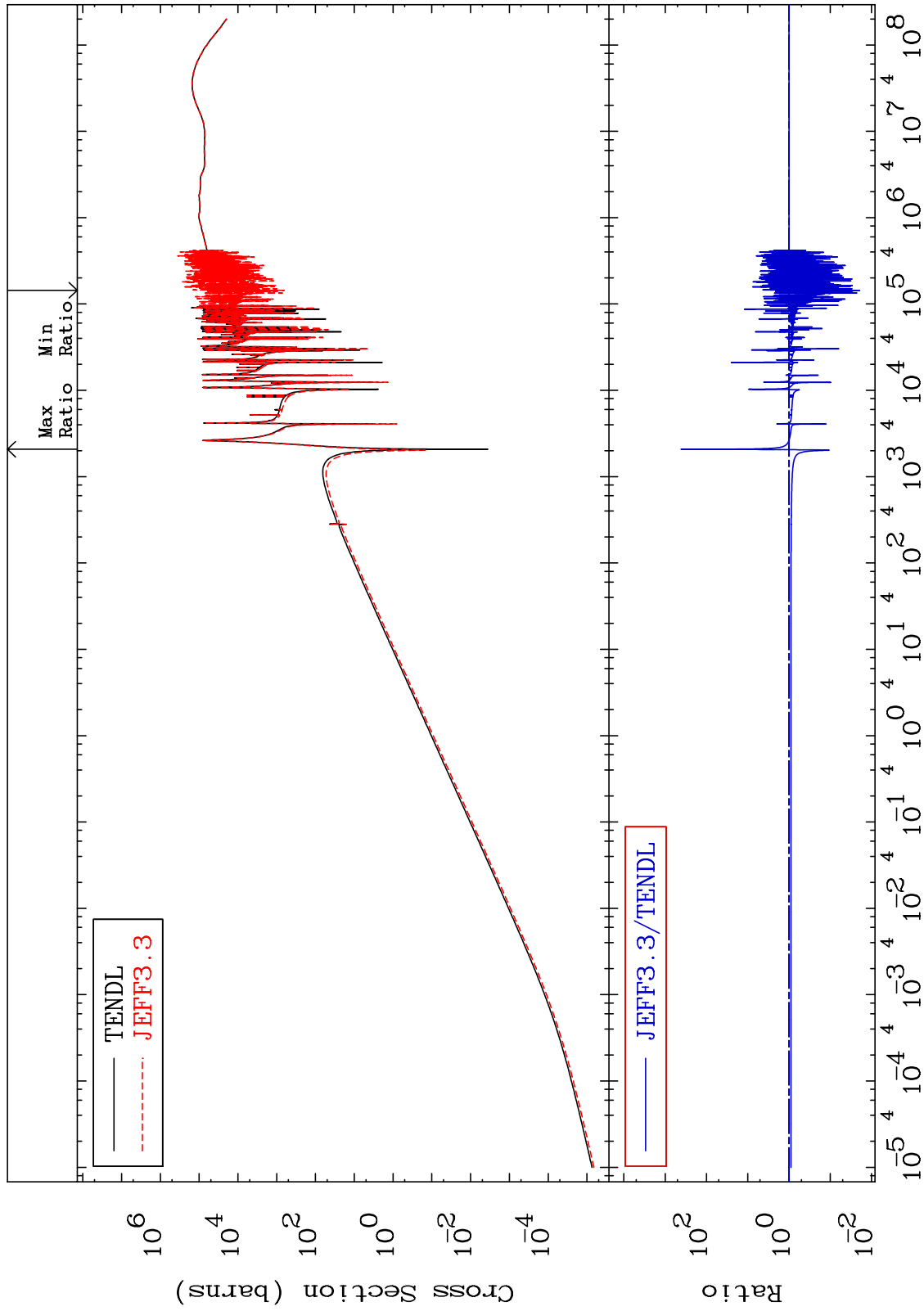
Incident Energy (eV)

30-Zn-64

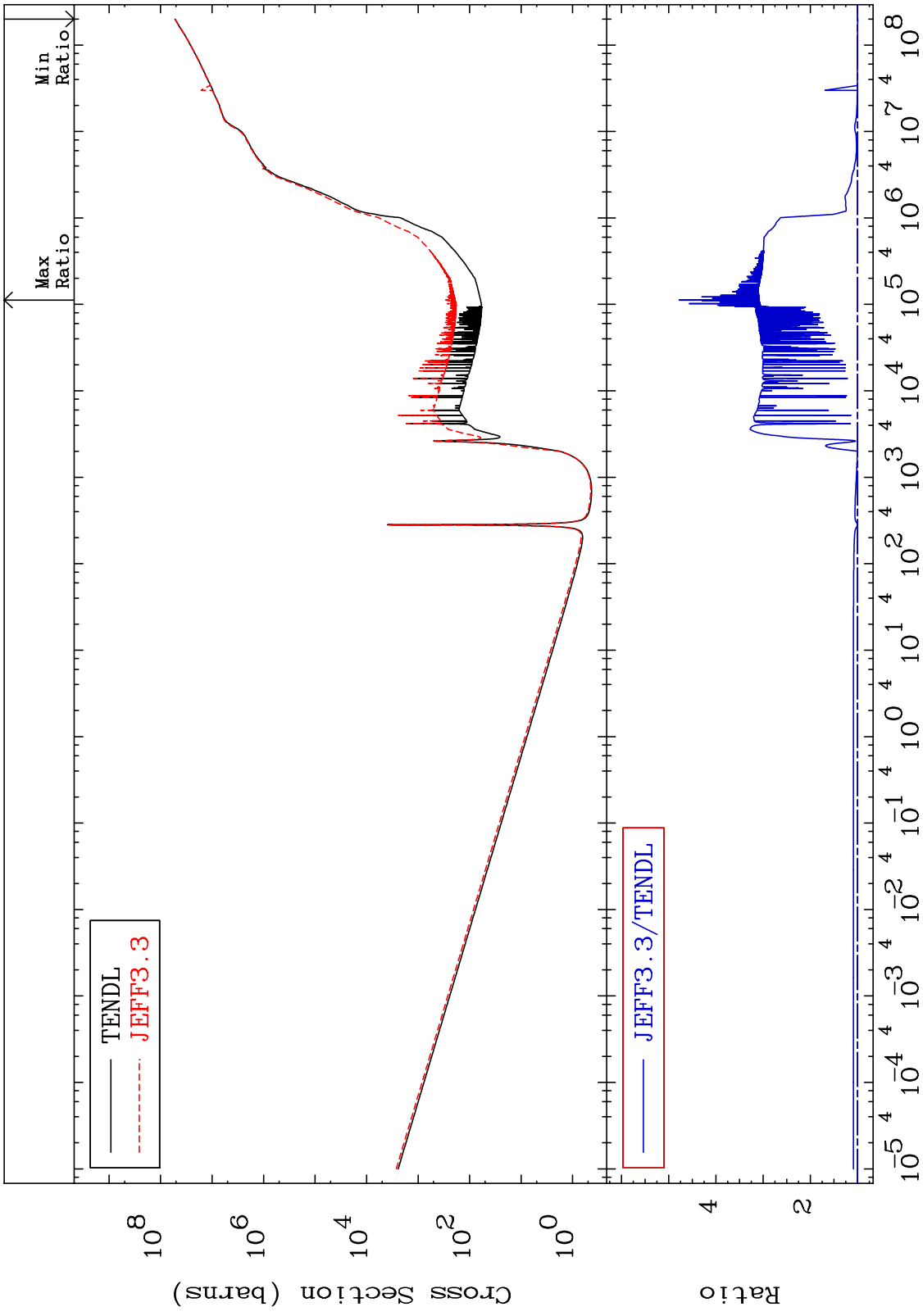
MAT 3025

Kerma elastic
Cross Section

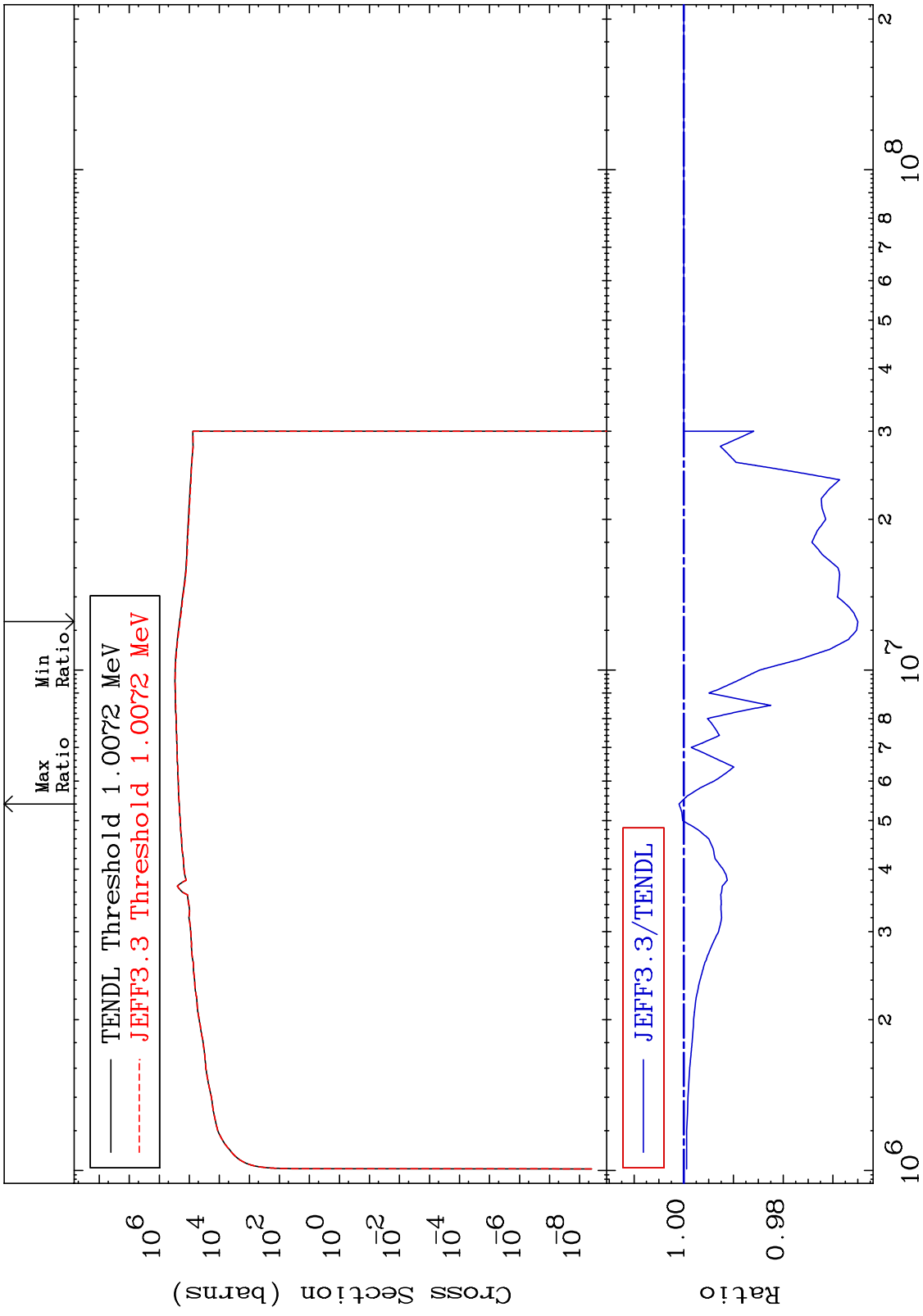
30-Zn-64
-98.08 To 9999. %



MAT 3025 Kerma non-elastic (all but mt2) Cross Section 30-Zn-64
-0.589 To 378.0 %

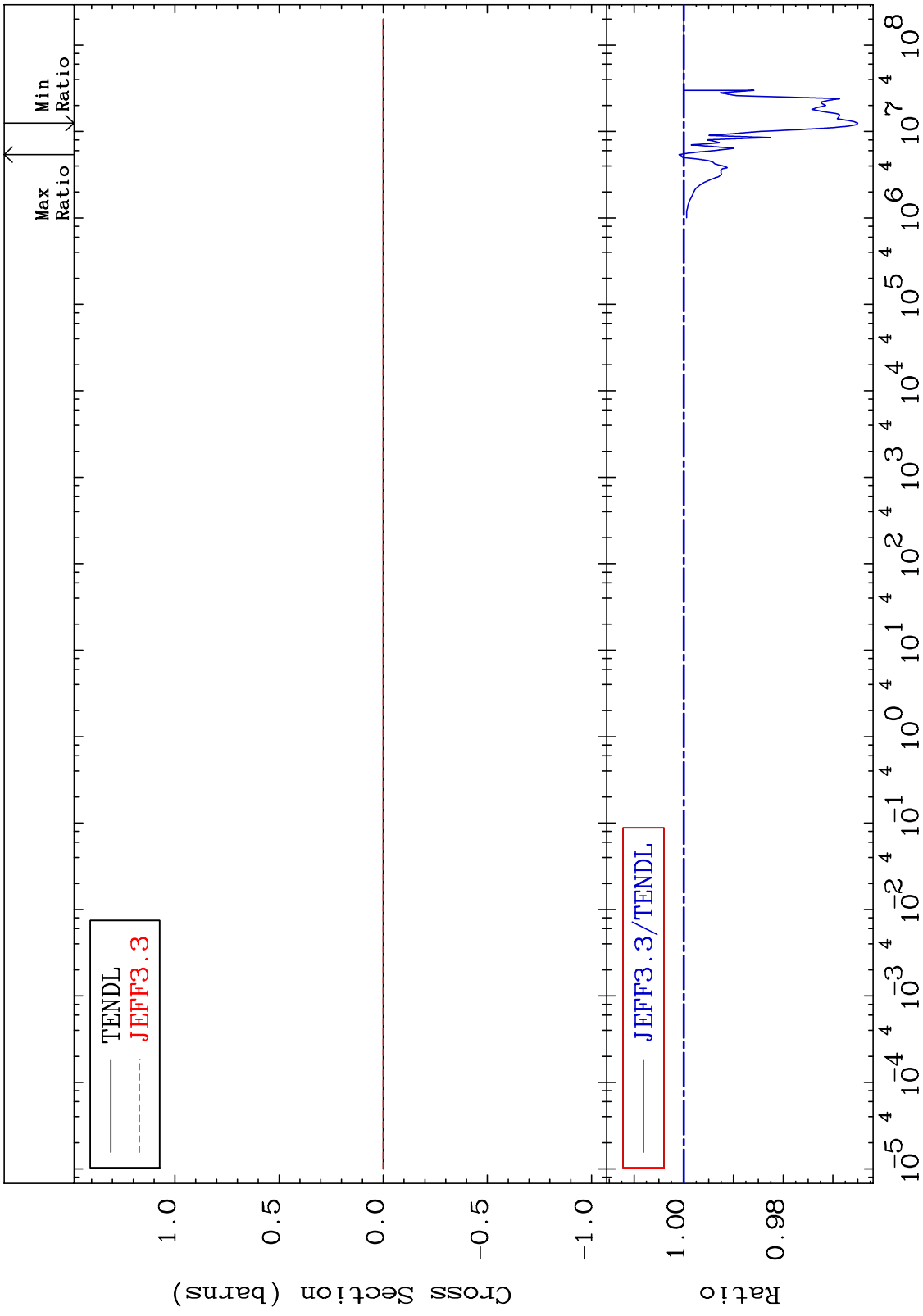


MAT 3025 Kerma inelastic (mt51-91) 30-Zn-64
Cross Section -3.501 To 0.095 %



70 Incident Energy (eV) 30-Zn-64

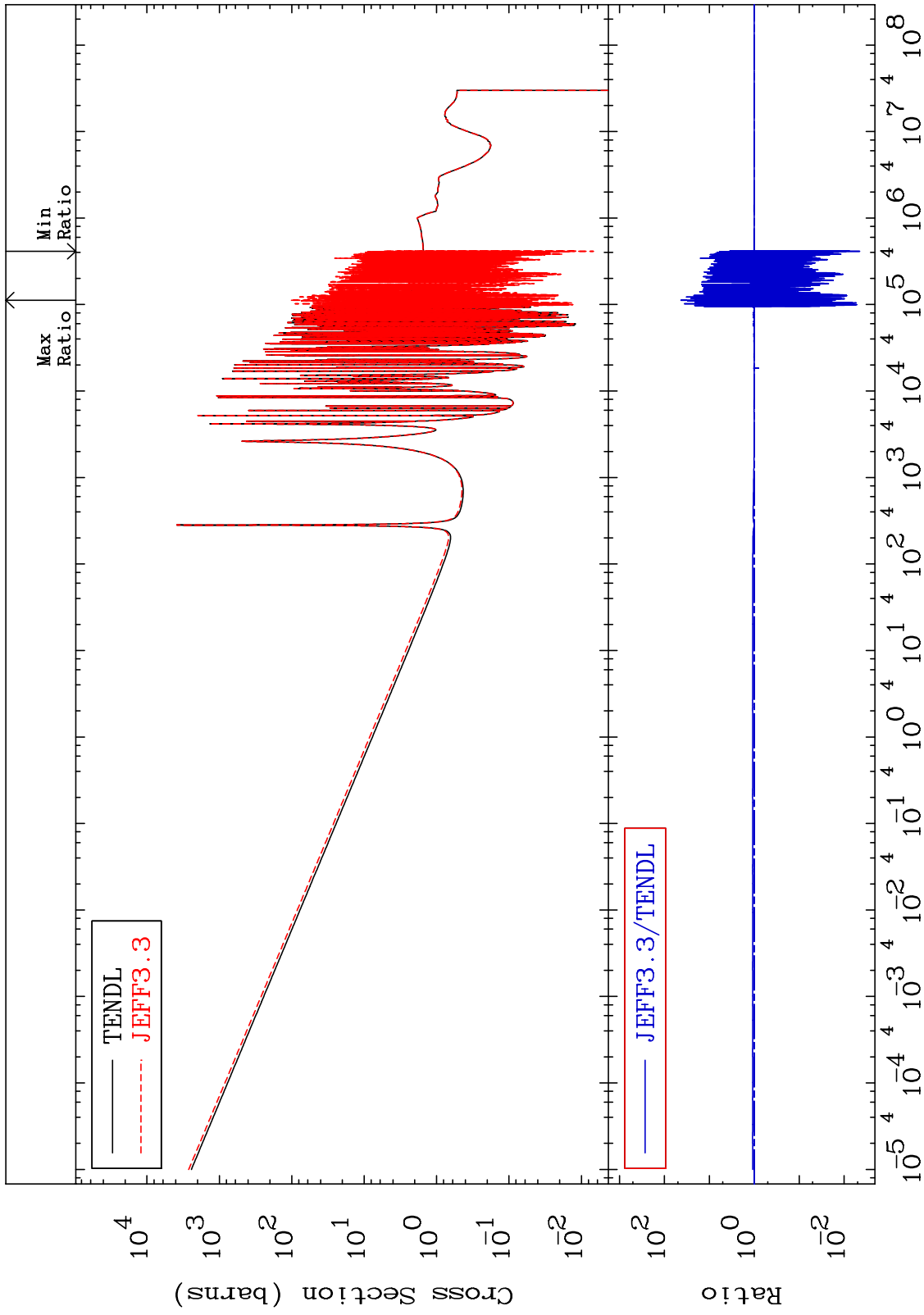
MAT 3025 Kerma fission (mt18 or mt19-20-21-38) 30-Zn-64
 Cross Section -3.501 To 0.095 %



MAT 3025

Kerma capture (mt102)
Cross Section

30-Zn-64
-99.55 To 4205. %



72

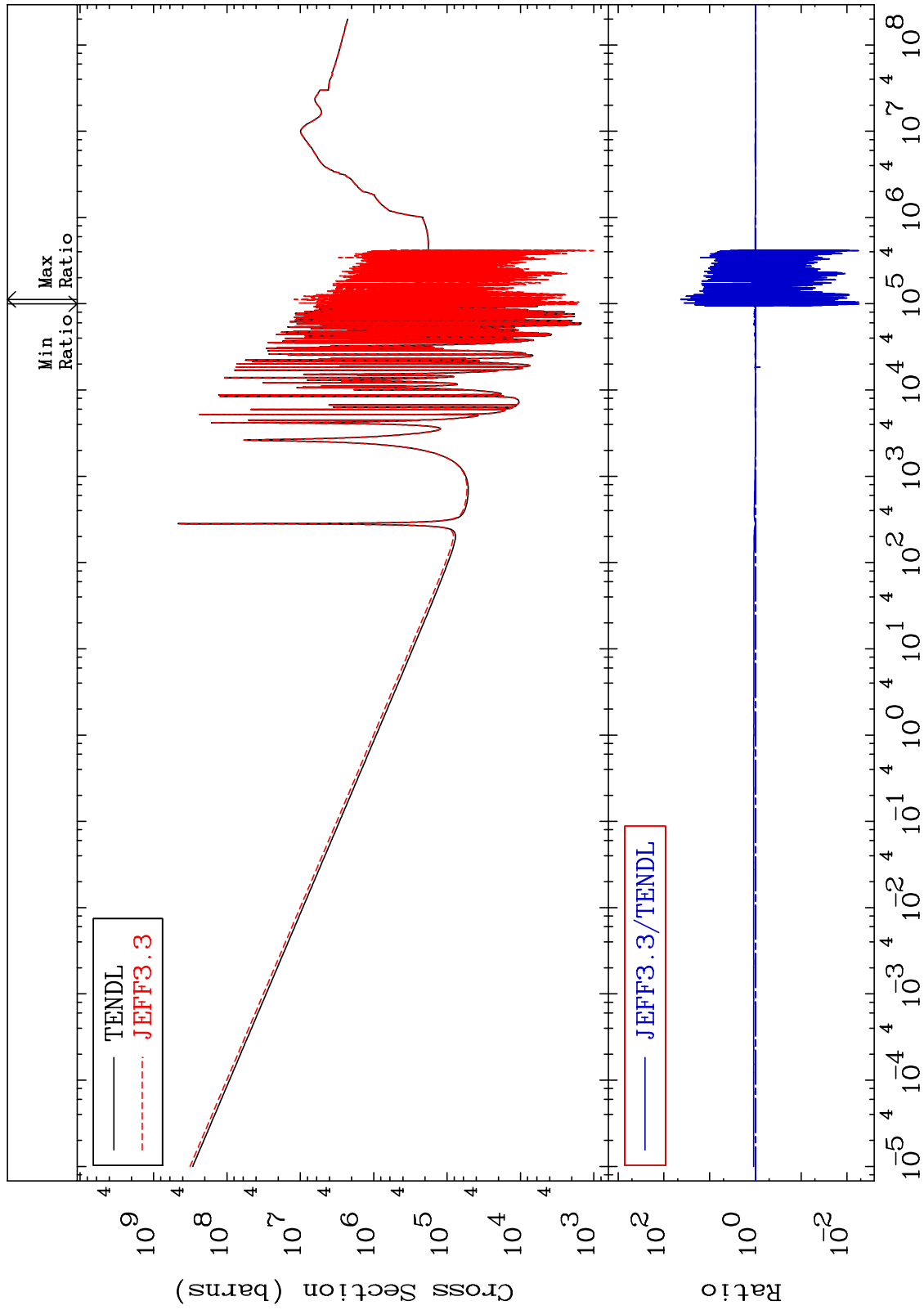
Incident Energy (eV)

30-Zn-64

MAT 3025

Total photon (eV-barns)
Cross Section

30-Zn-64
-99.45 To 4204. %



73

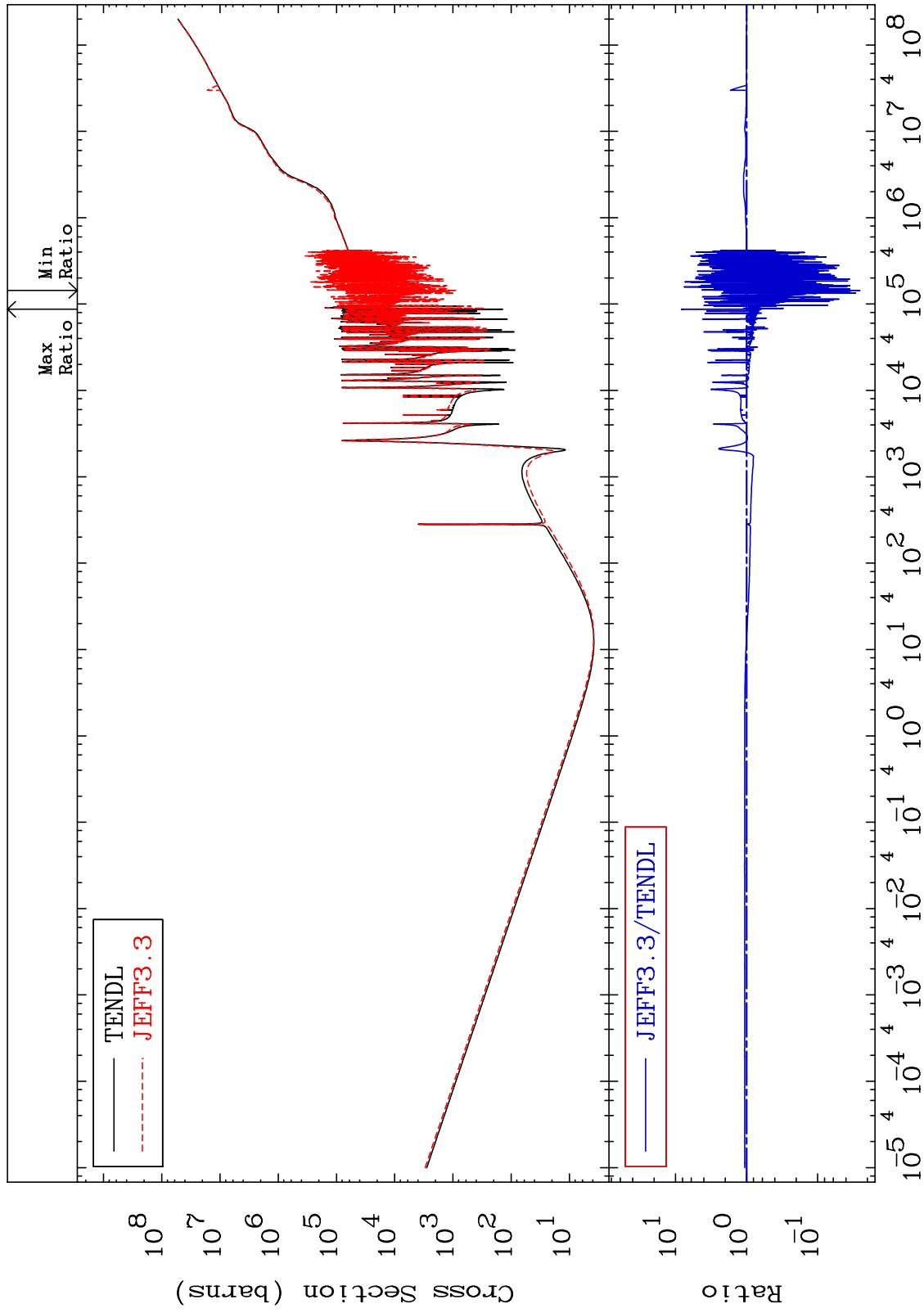
Incident Energy (eV)

30-Zn-64

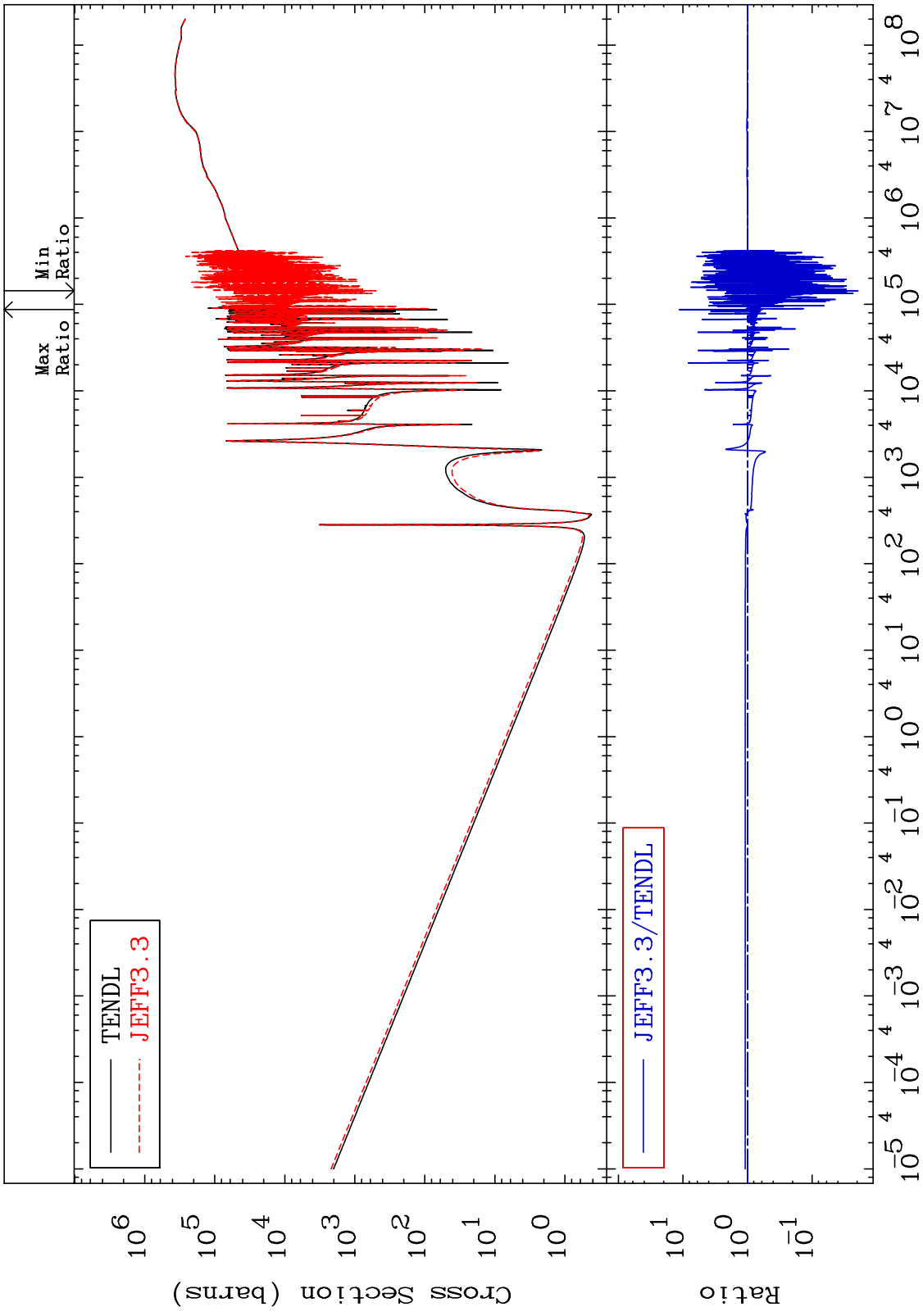
MAT 3025

Total kinematic kerma (high limit)
Cross Section

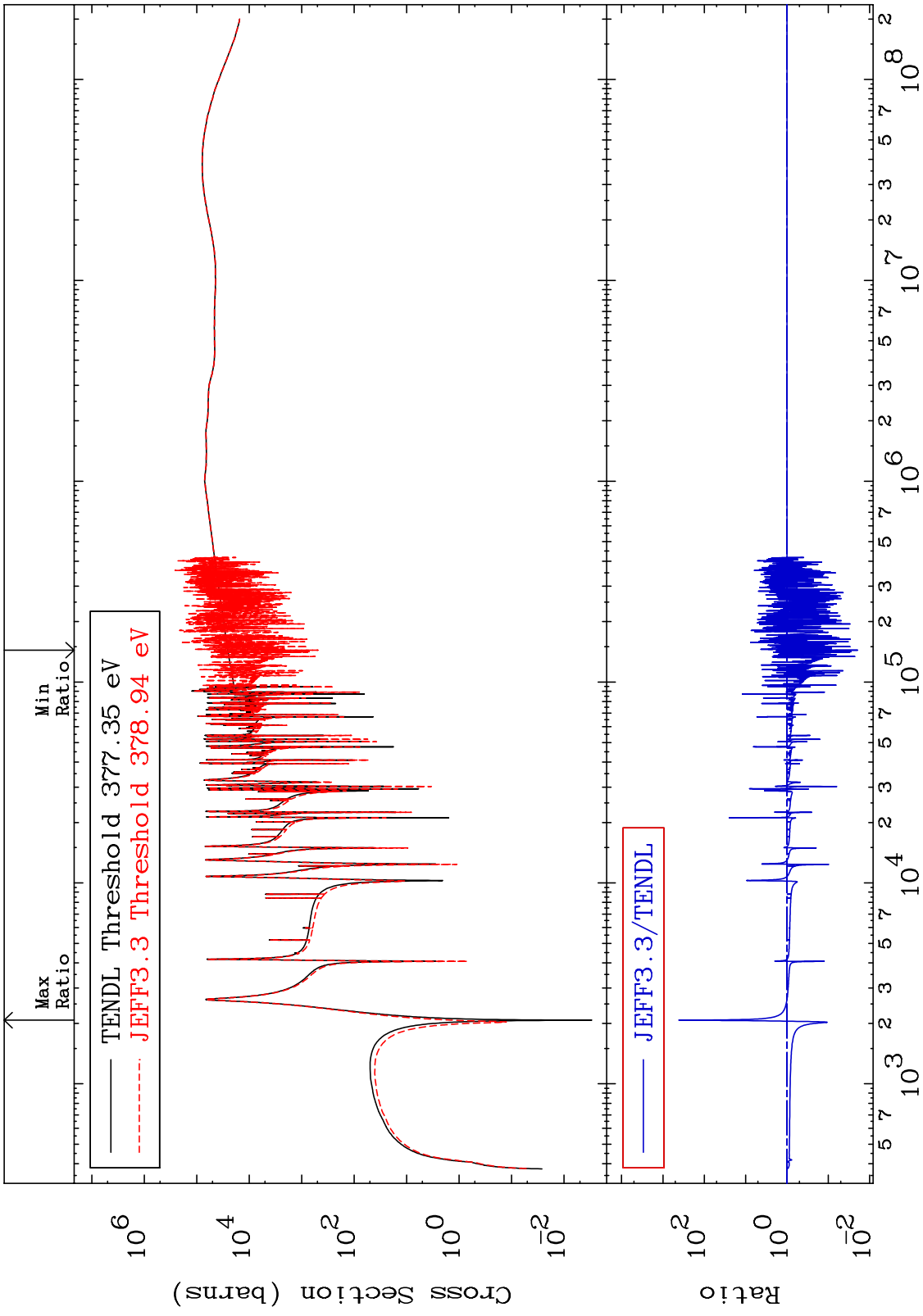
30-Zn-64
-97.45 To 731.8 %



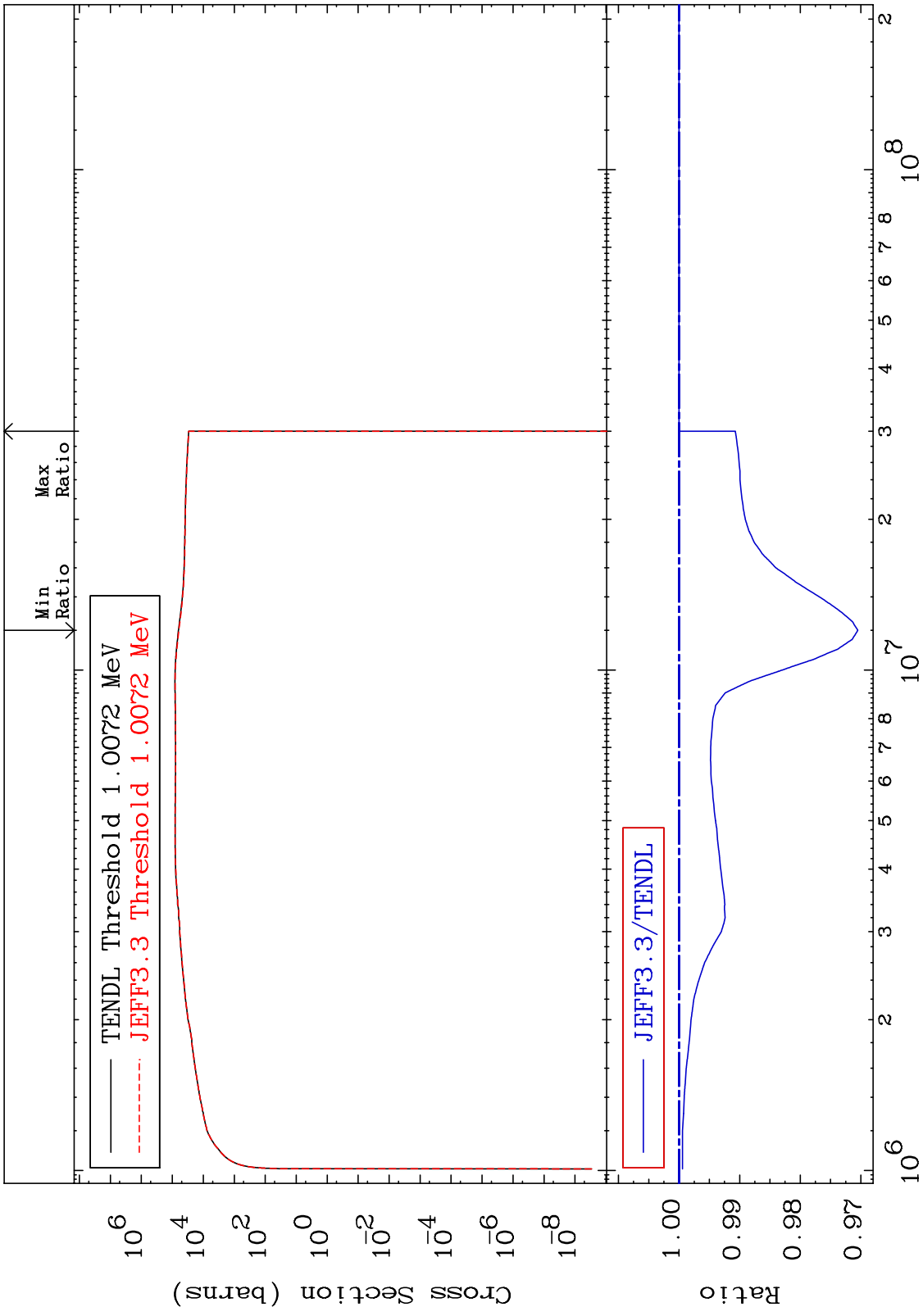
MAT 3025 Dpa total (eV-barns) 30-Zn-64
 Cross Section -98.04 To 1052. %



MAT 3025 30-Zn-64
Dpa elastic (mt2) -98.08 To 9999. %
Cross Section



MAT 3025 Dpa inelastic (mt51-91) 30-Zn-64
 Cross Section -2.950 To 0.000 %

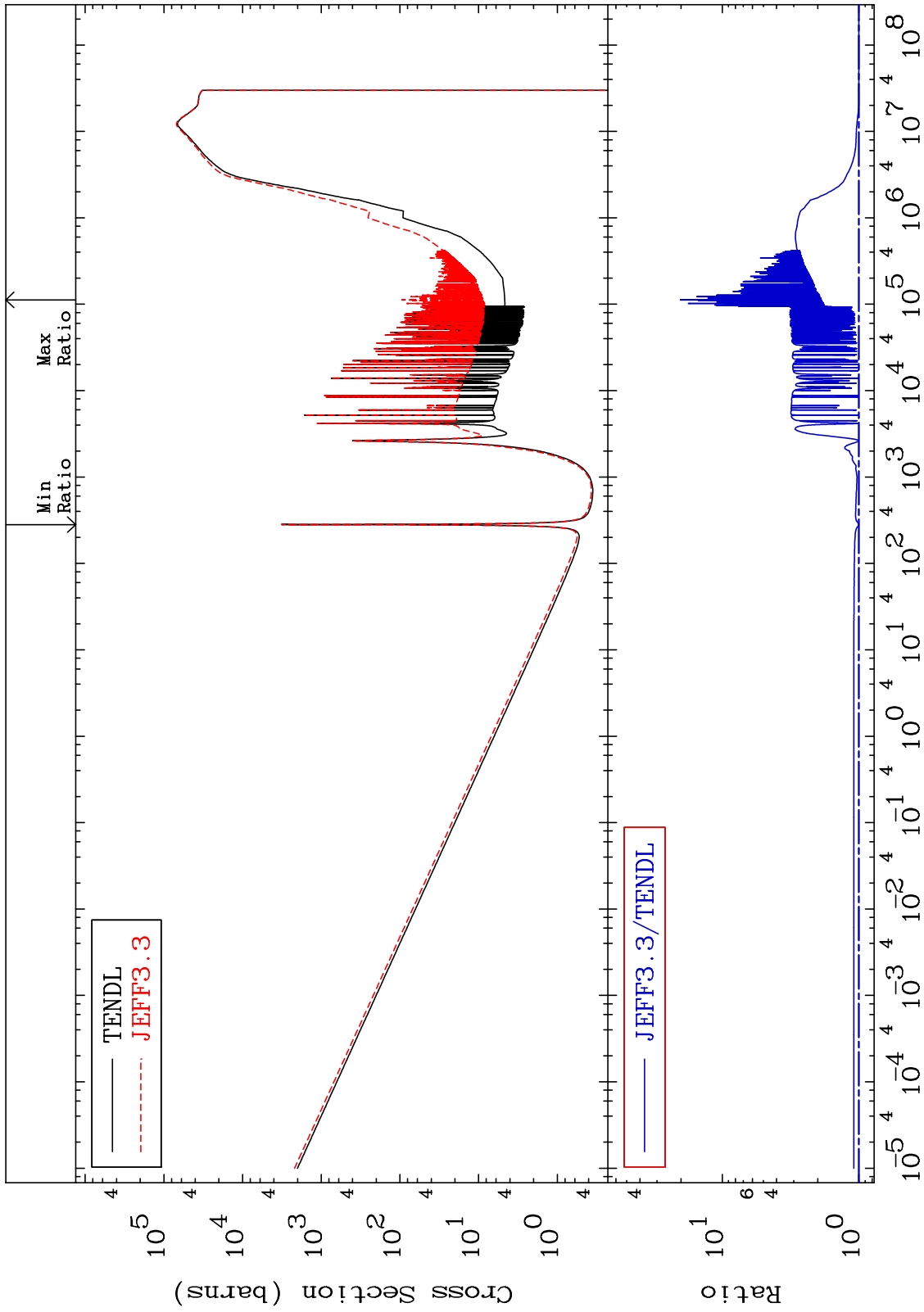


77 Incident Energy (eV) 30-Zn-64

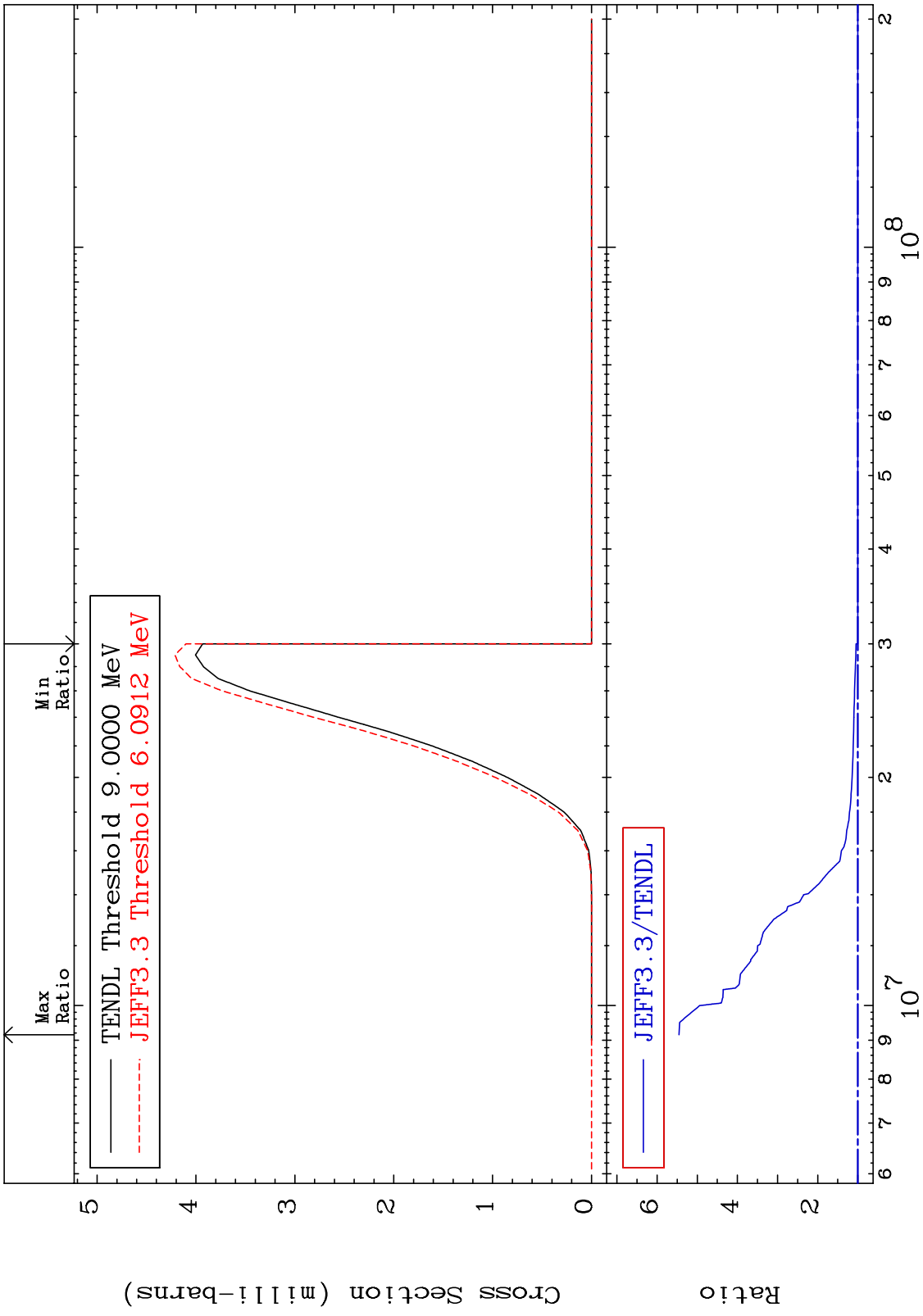
MAT 3025

Dpa disappearance (mt102 -120)
Cross Section

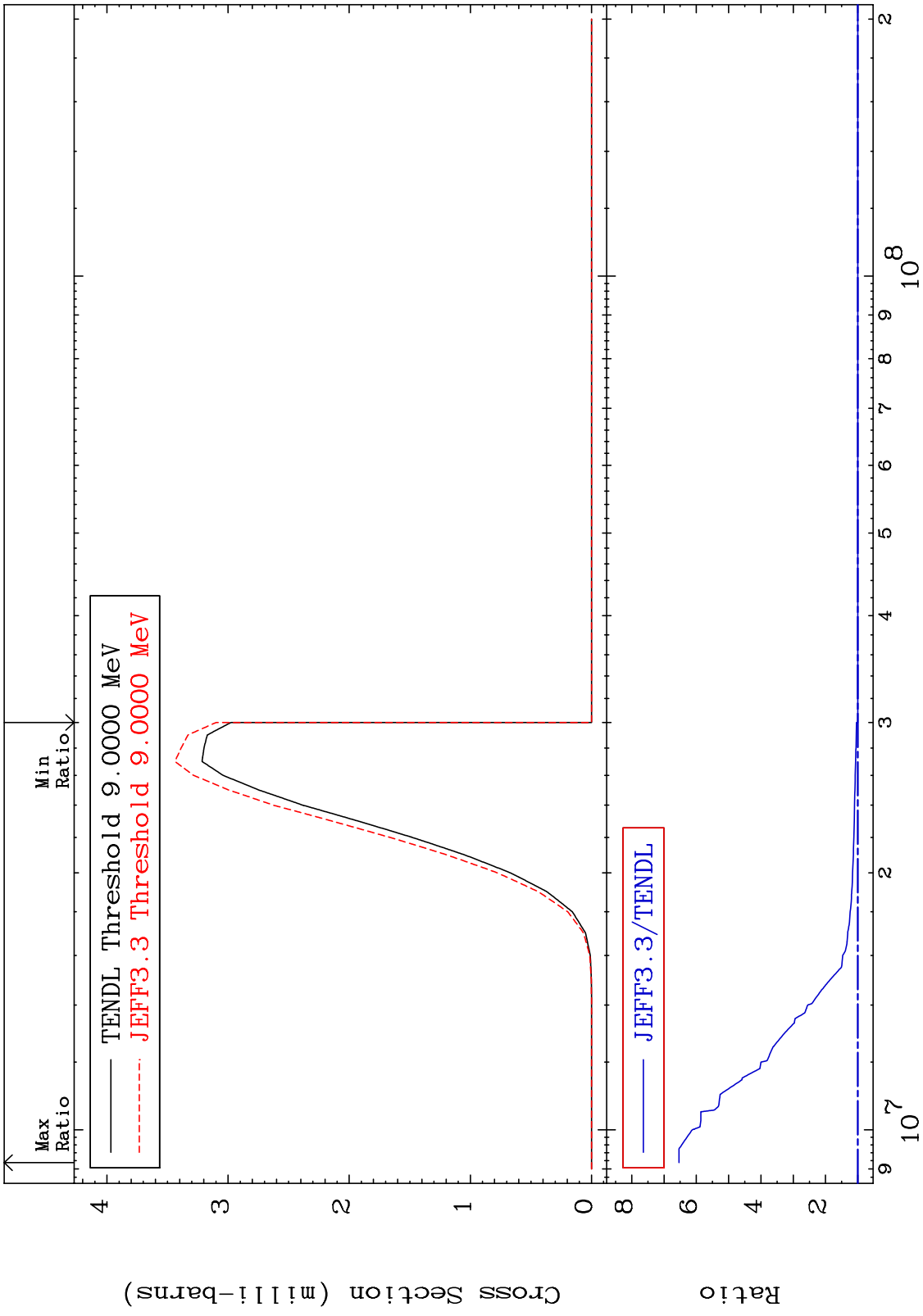
30-Zn-64
-0.076 To 1930. %



MAT 3025 (n,p) α :27-Co-60g 30-Zn-64
Radionuclide Production Cross Section 0.000 To 445.4 %



MAT 3025 (n,p) α :27-Co-60m1 30-Zn-64
Radionuclide Production Cross Section 0.000 To 553.4 %



80 800 30-Zn-64