

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

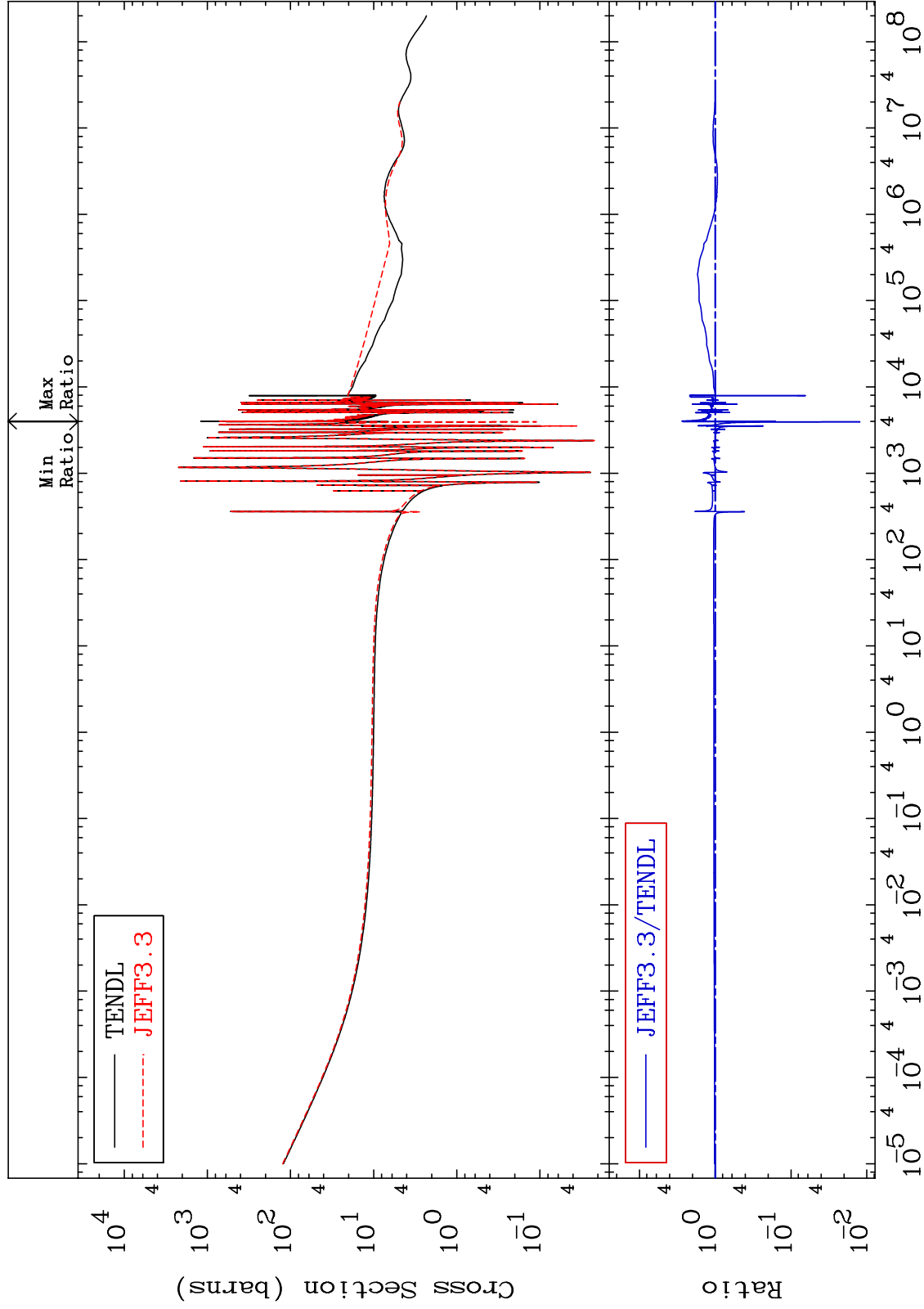
MAT 6037

Total

60-Nd-146

Cross Section

-98.76 To 178.9 %



1

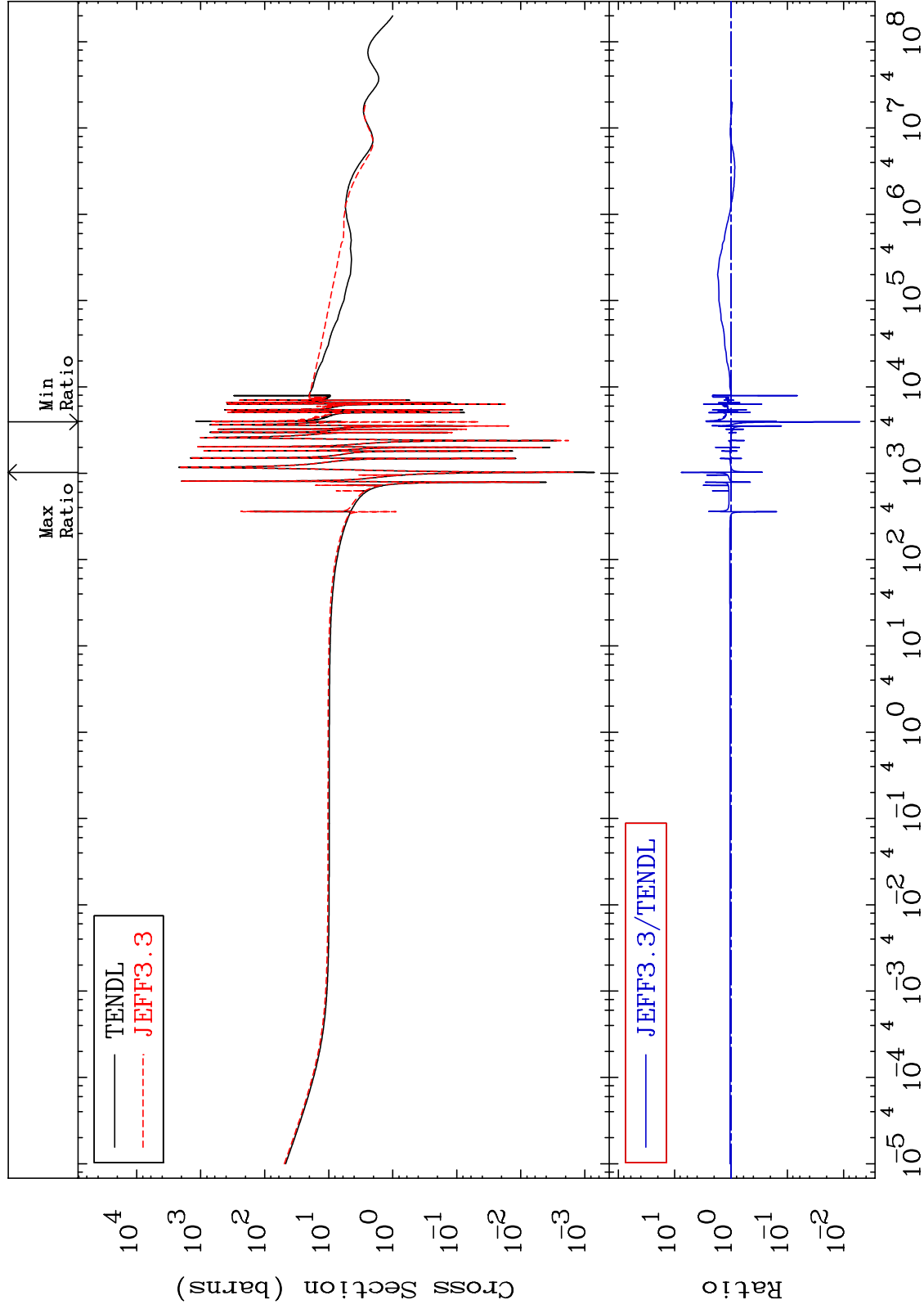
Incident Energy (eV)

60-Nd-146

MAT 6037

Elastic
Cross Section

60-Nd-146
-99.48 To 658.8 %

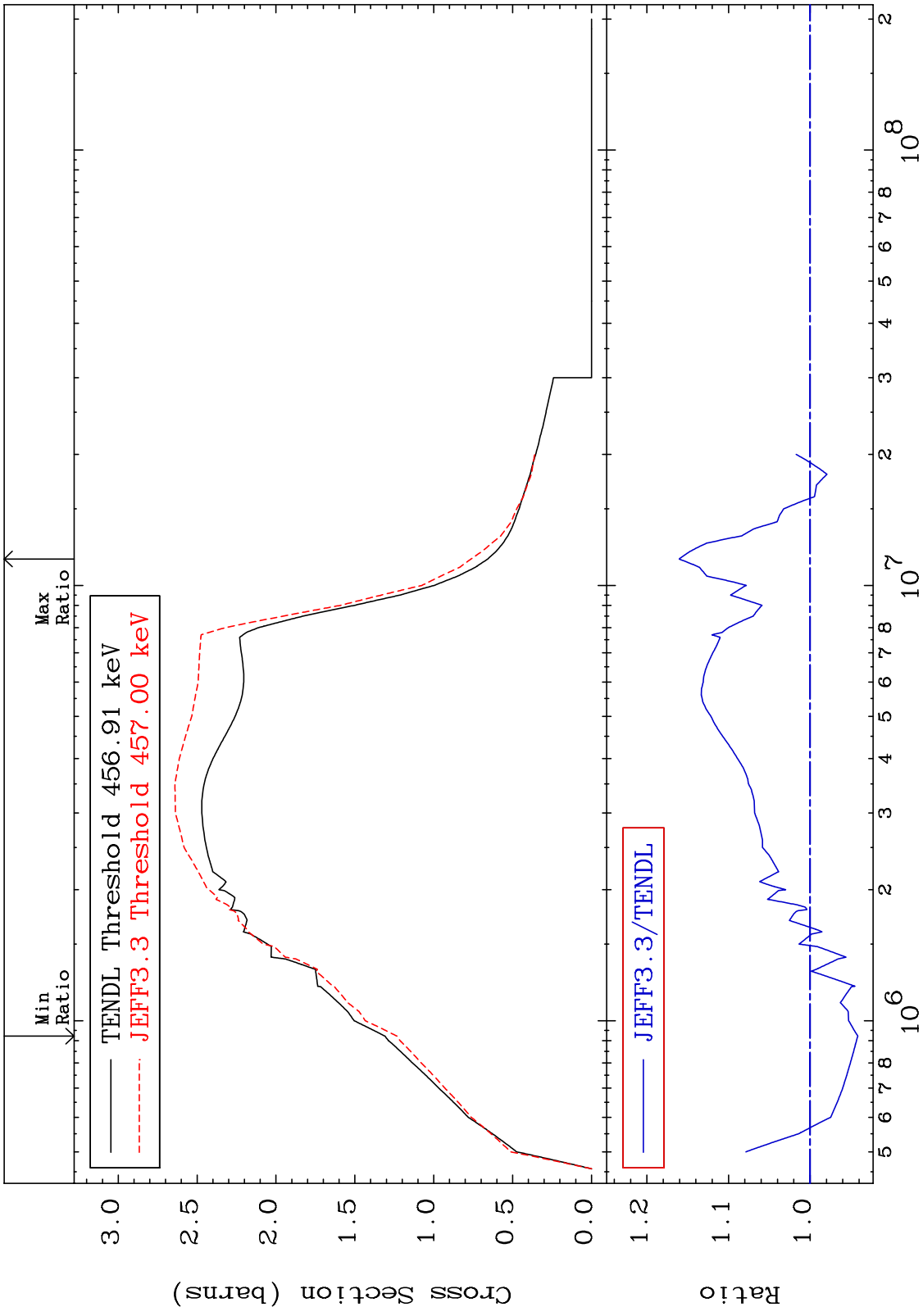


2

Incident Energy (eV)

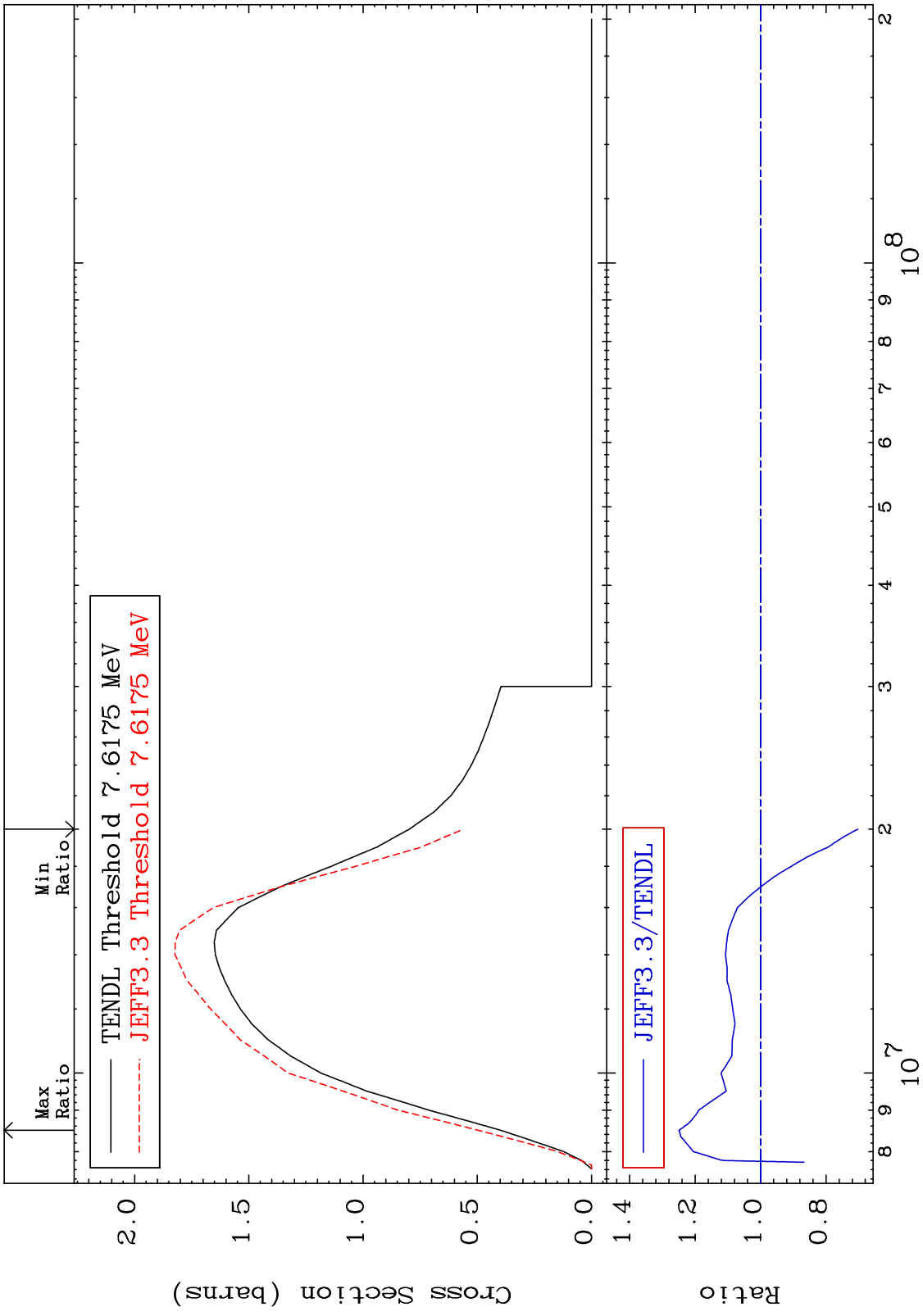
60-Nd-146

MAT 6037 60-Nd-146 -5.850 To 16.06 % Inelastic Cross Section

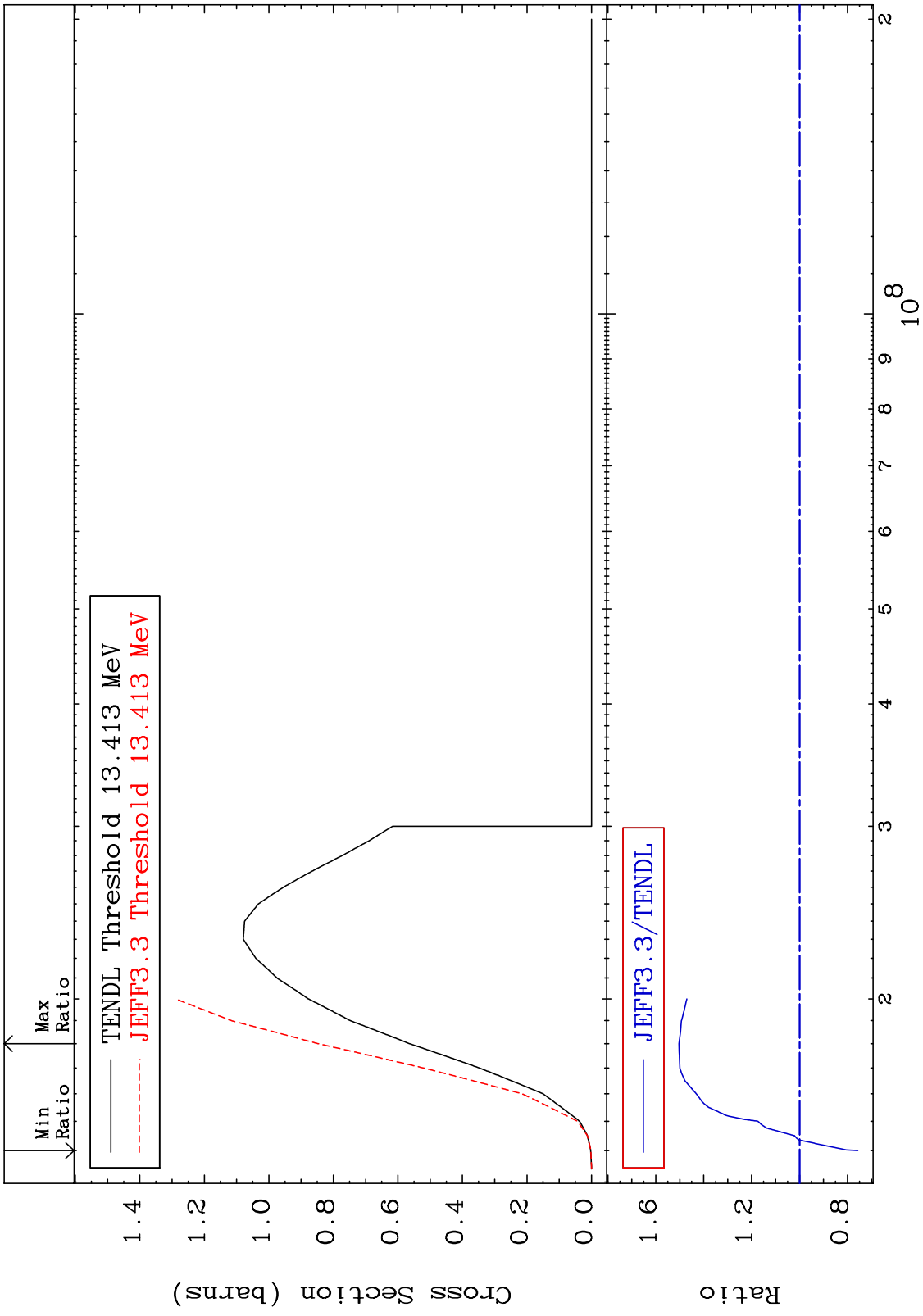


3 Incident Energy (eV) 60-Nd-146

MAT 6037 (n,2n) Cross Section 60-Nd-146 -29.71 To 24.91 %



MAT 6037 (n,3n) Cross Section 60-Nd-146 -24.32 To 50.31 %



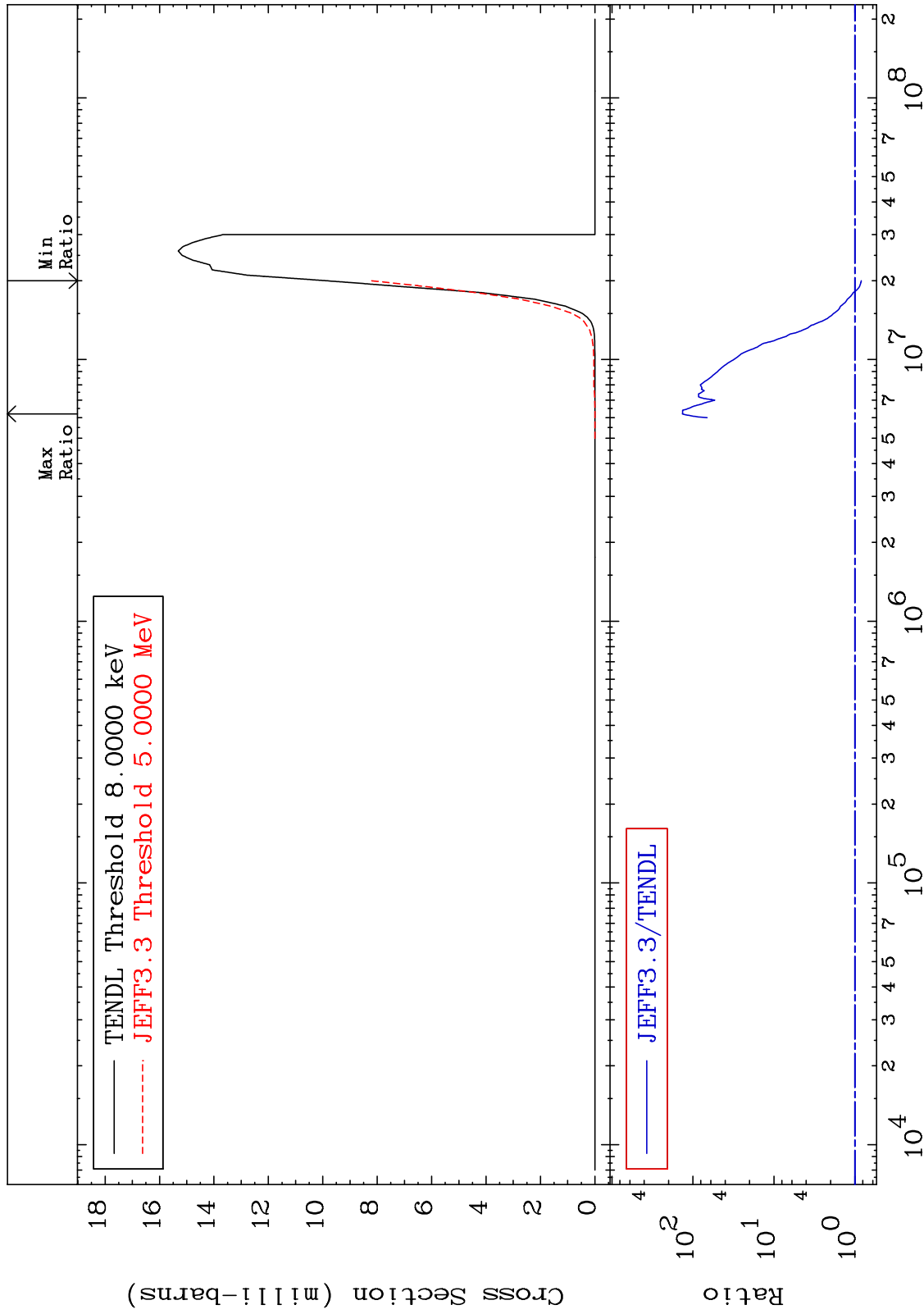
MAT 6037

(n, n') α

60-Nd-146

Cross Section

-16.61 To 9999. %



6

Incident Energy (eV)

60-Nd-146

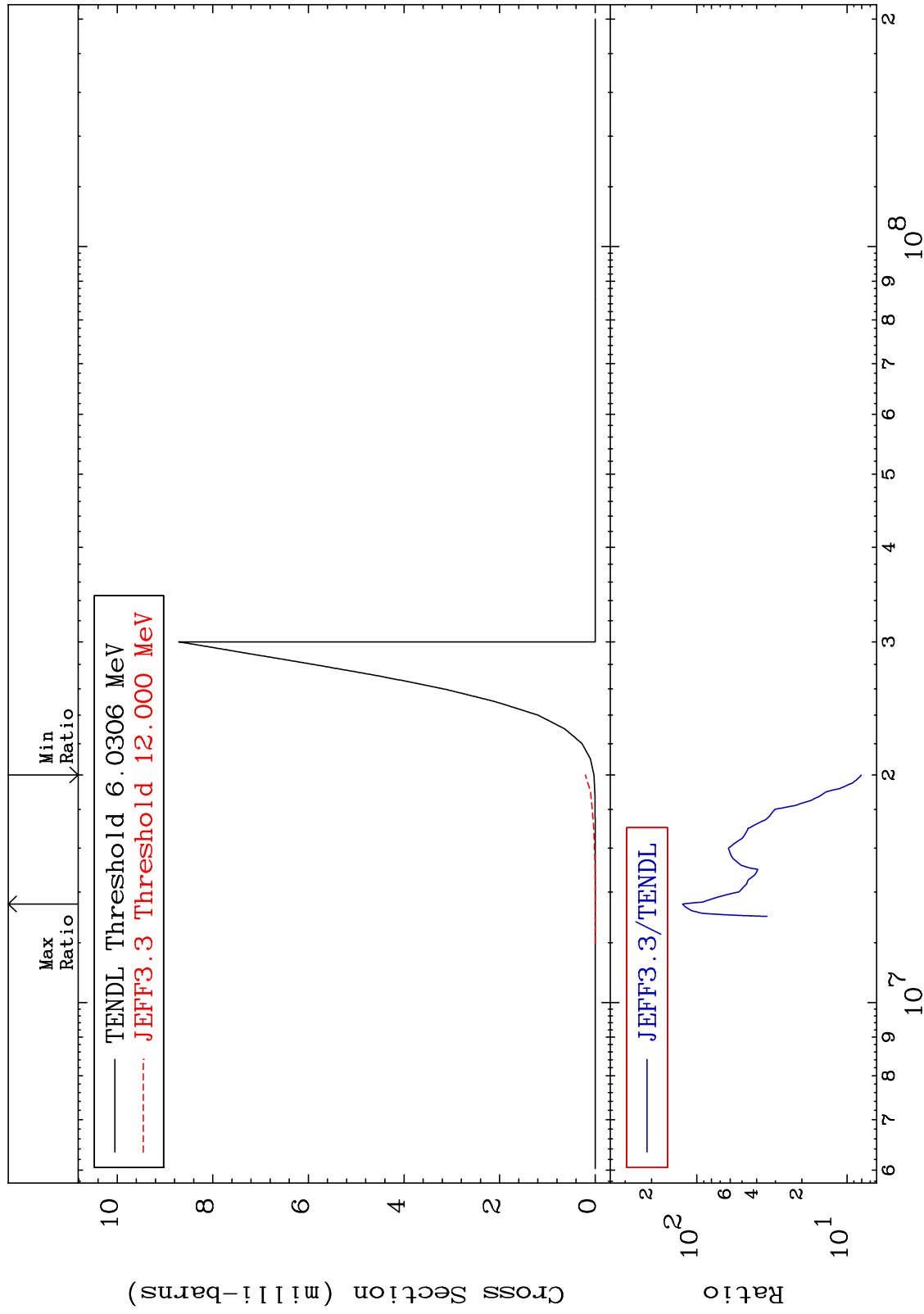
MAT 6037

(n,2n) α

60-Nd-146

Cross Section

703.5 To 9999. %

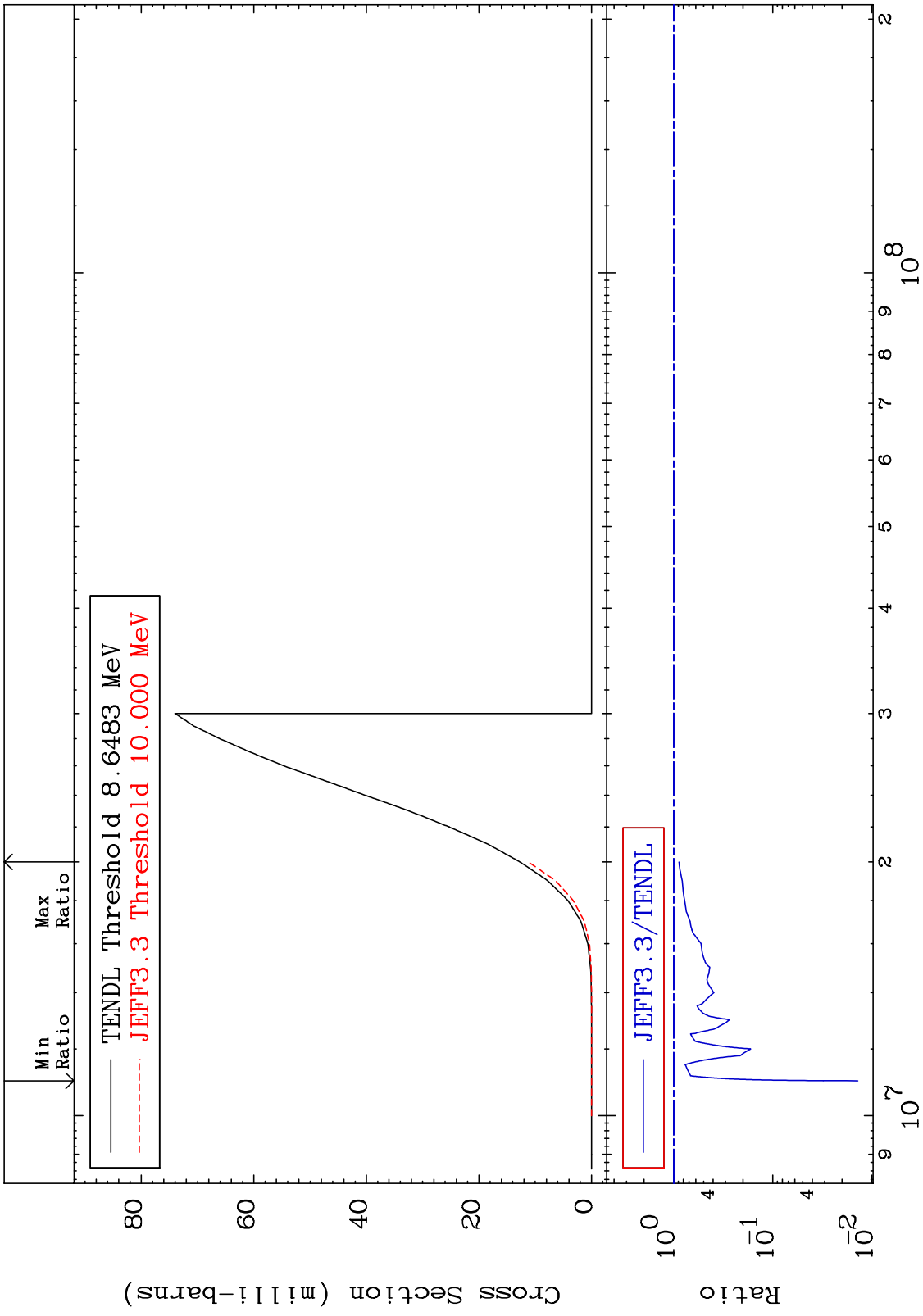


7

Incident Energy (eV)

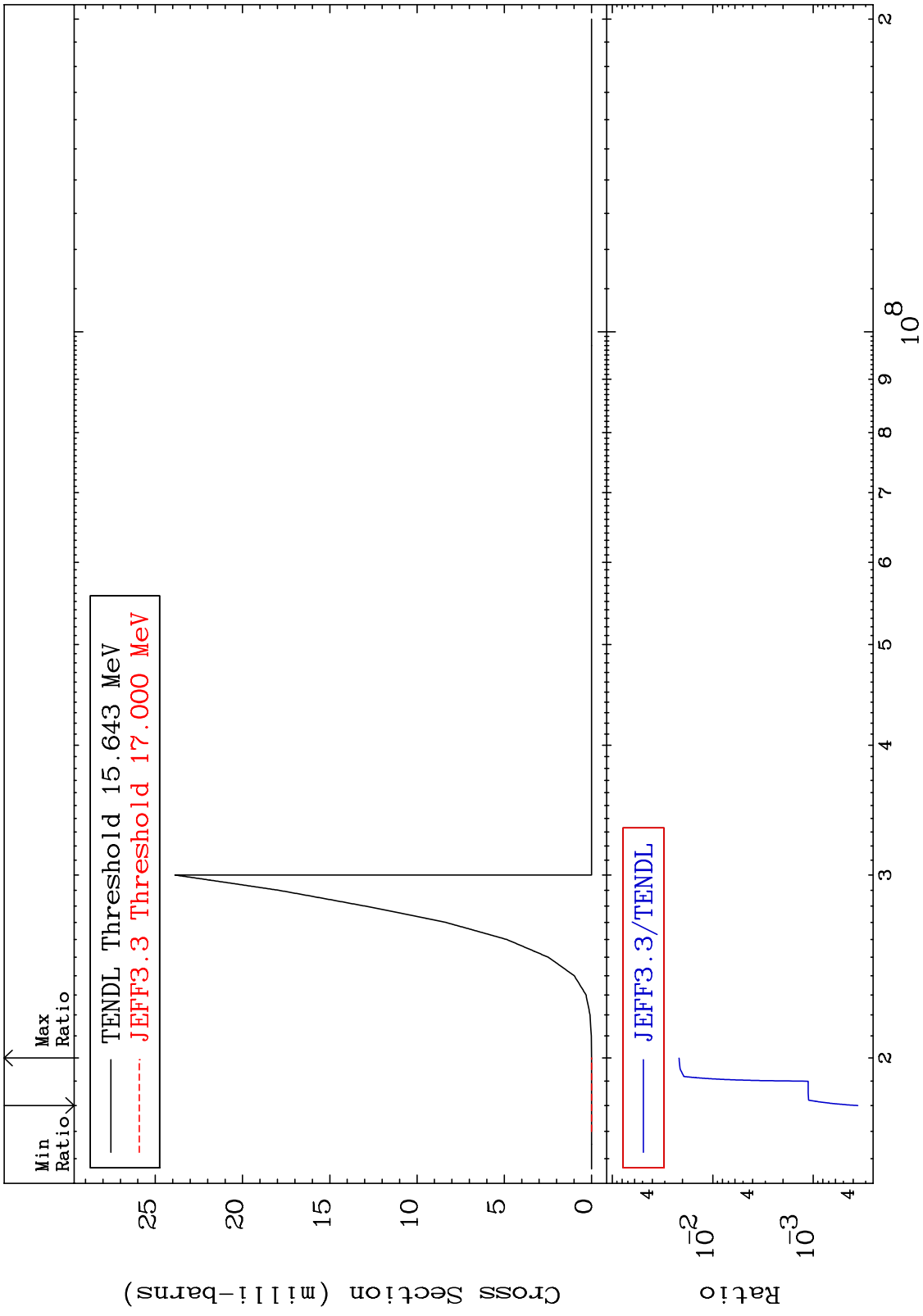
60-Nd-146

MAT 6037 (n, n') p $^{60}\text{Nd}-146$
 Cross Section -98.61 To -11.60%

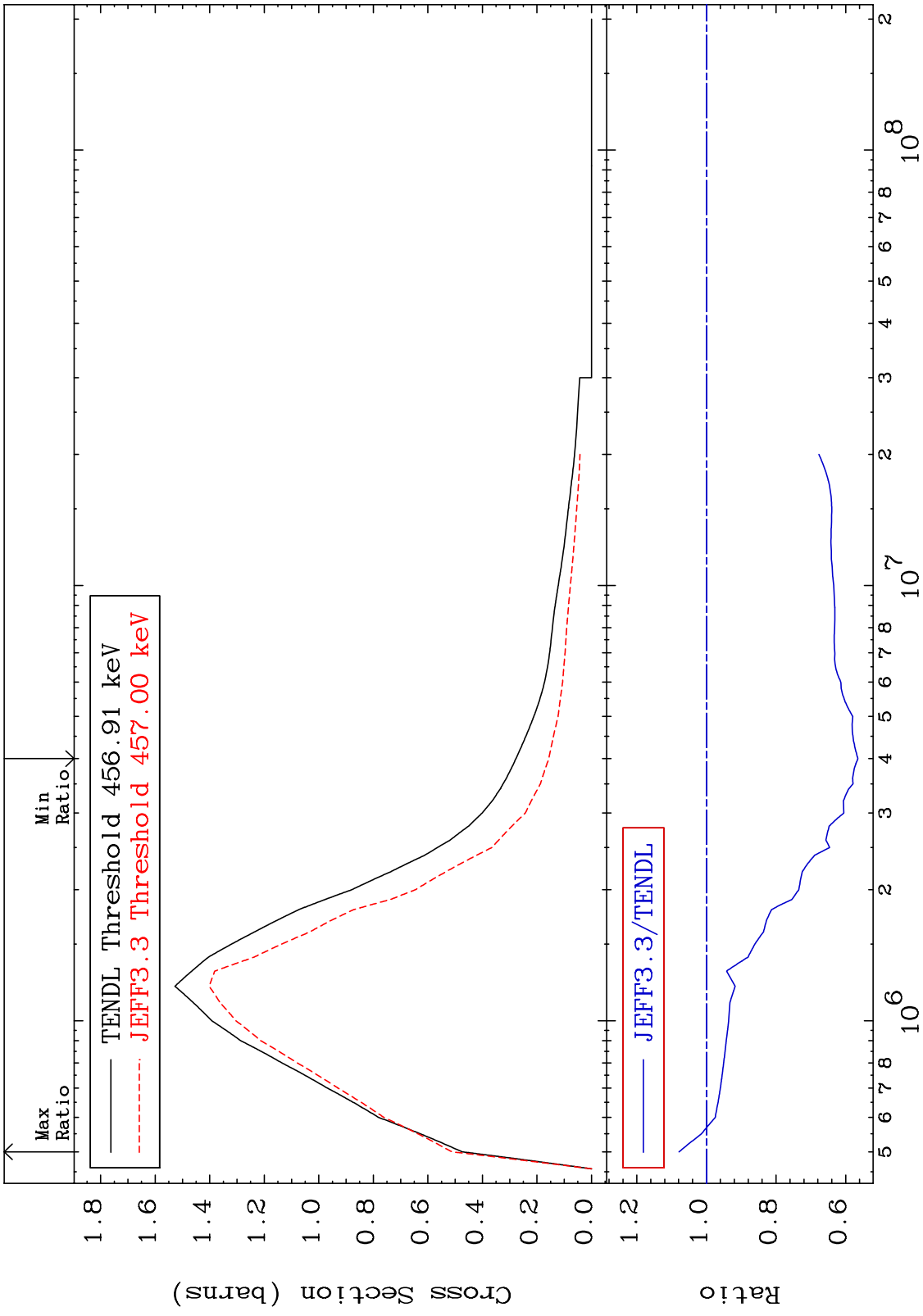


8 $^{60}\text{Nd}-146$
 Incident Energy (eV)

MAT 6037 (n,2n) p 60-Nd-146
 Cross Section -99.96 To -97.83%

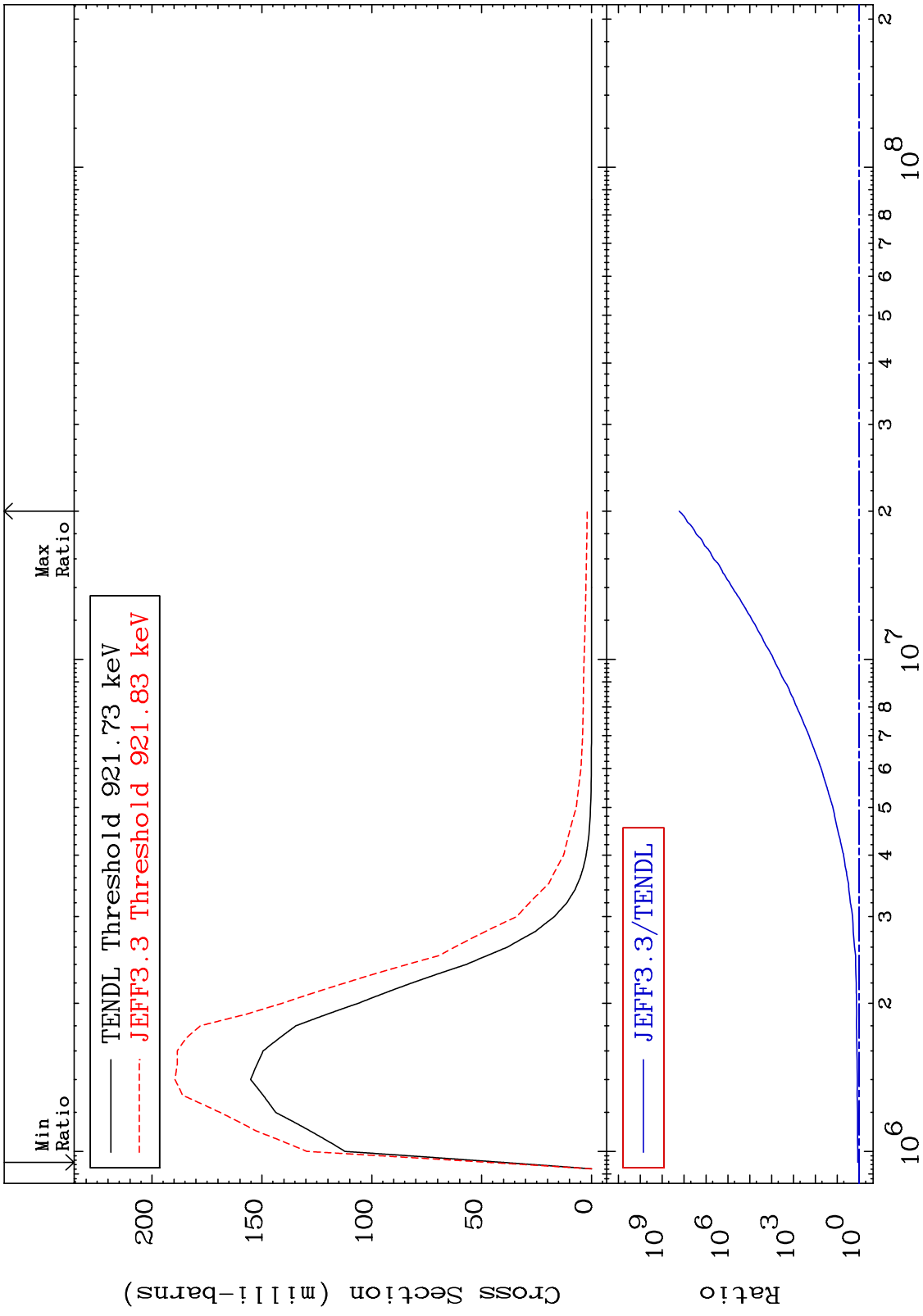


MAT 6037 MT= 51 (n,n') Level Cross Section 60-Nd-146
-43.49 To 7.874 %

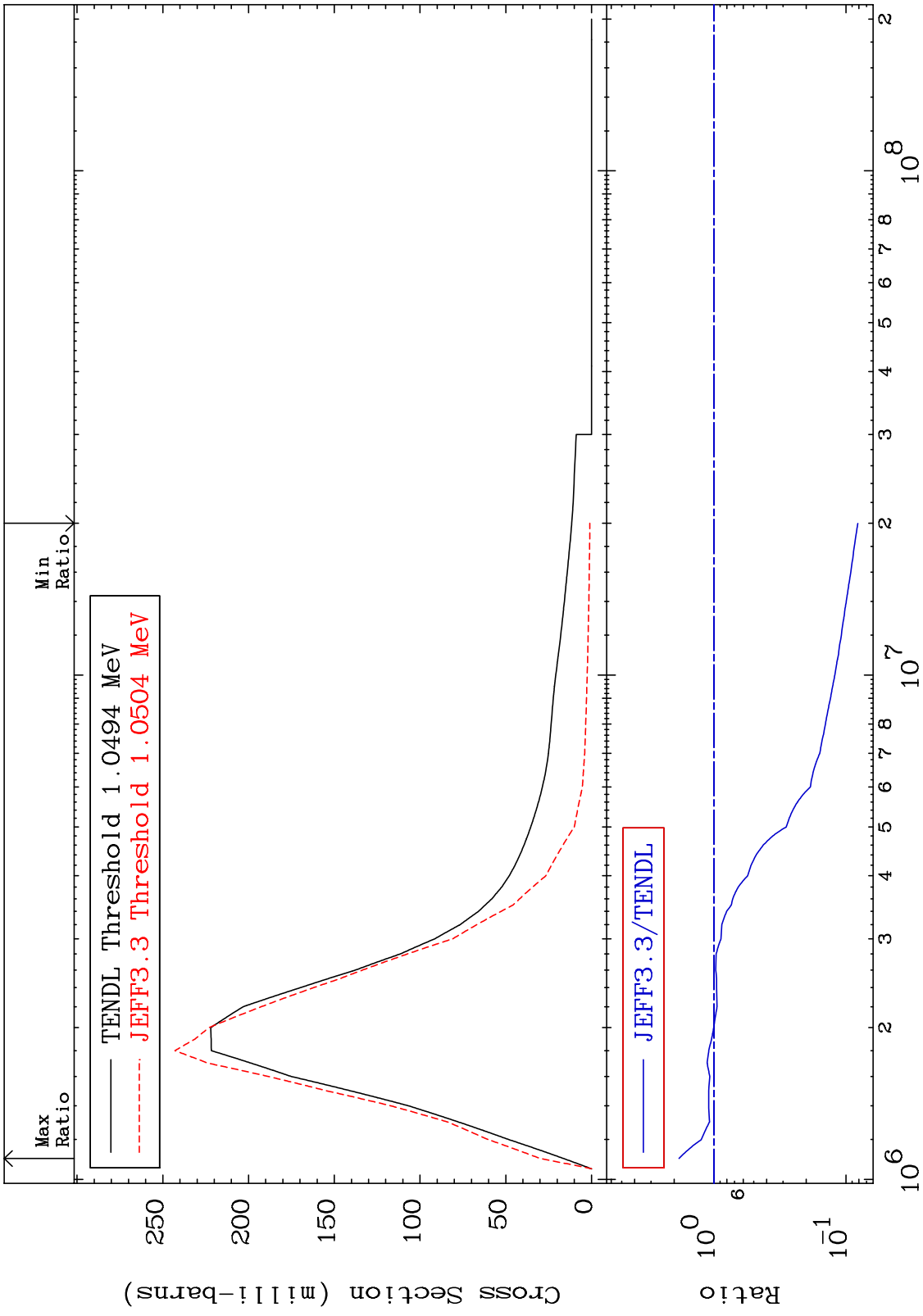


10 Incident Energy (eV) 60-Nd-146

MAT 6037 MT= 52 (n,n') Level Cross Section 60-Nd-146 To 9999. %
 15.16

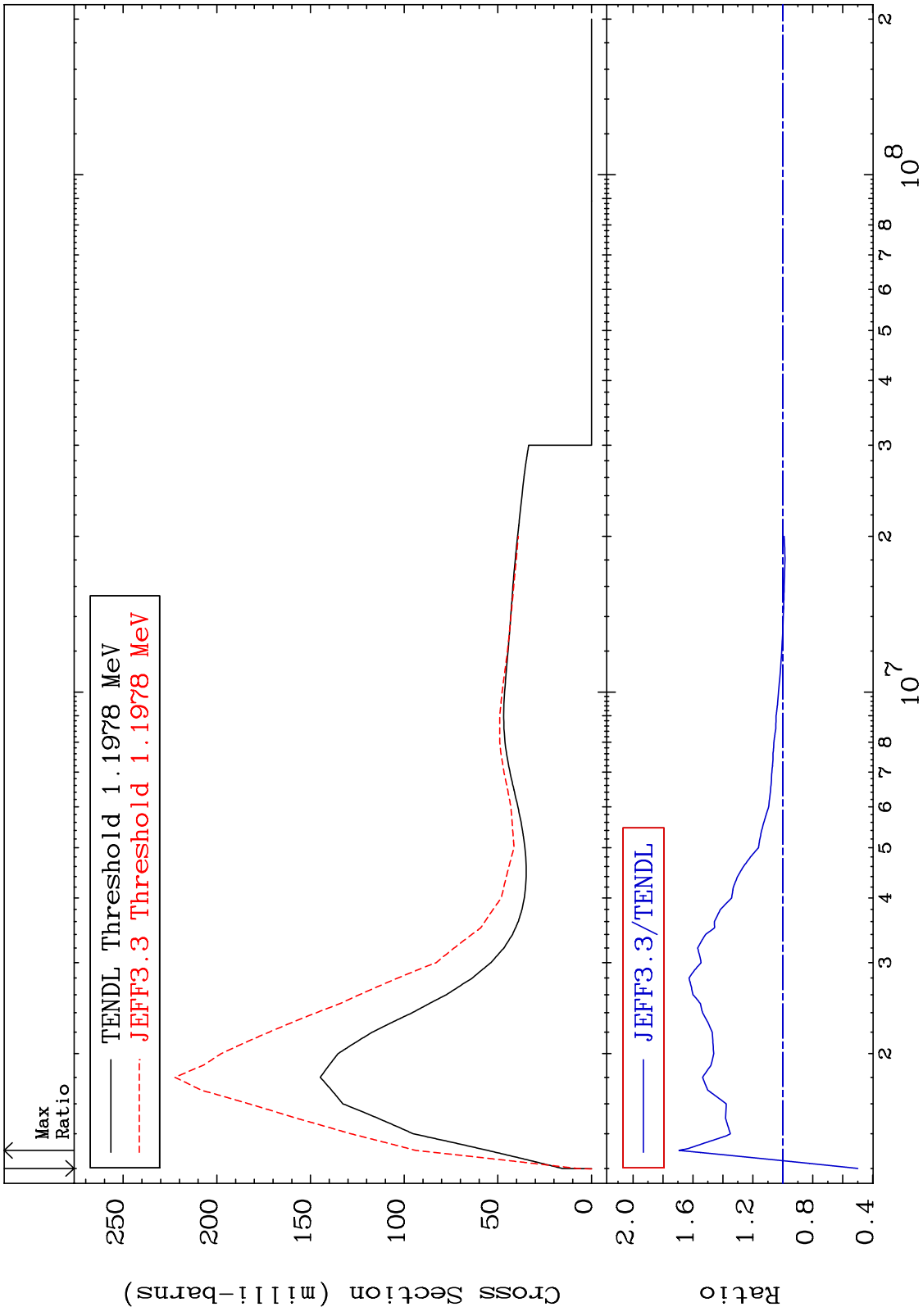


MAT 6037 MT= 53 (n, n') Level Cross Section 60-Nd-146
 -91.86 To 83.98 %

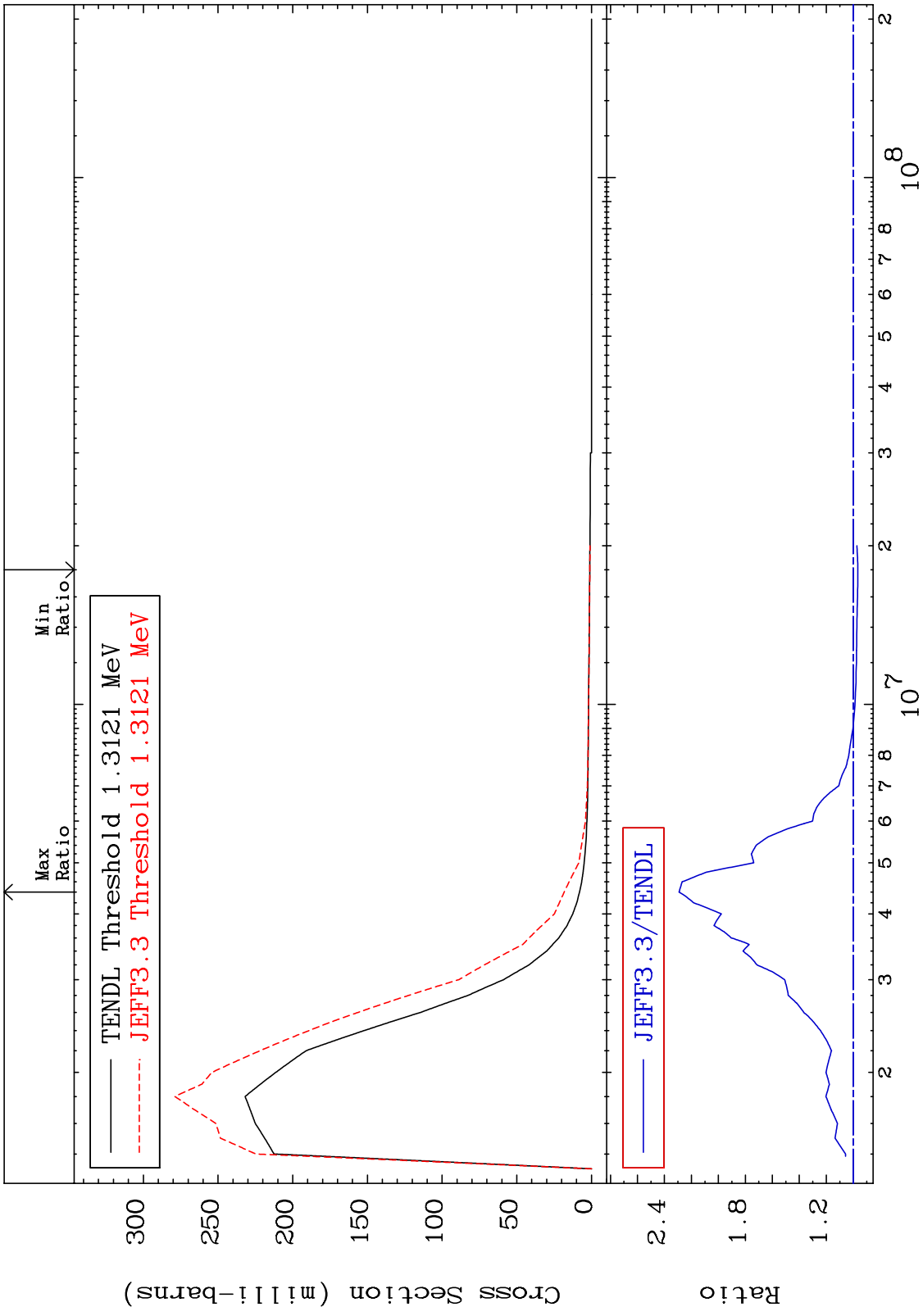


12 60-Nd-146

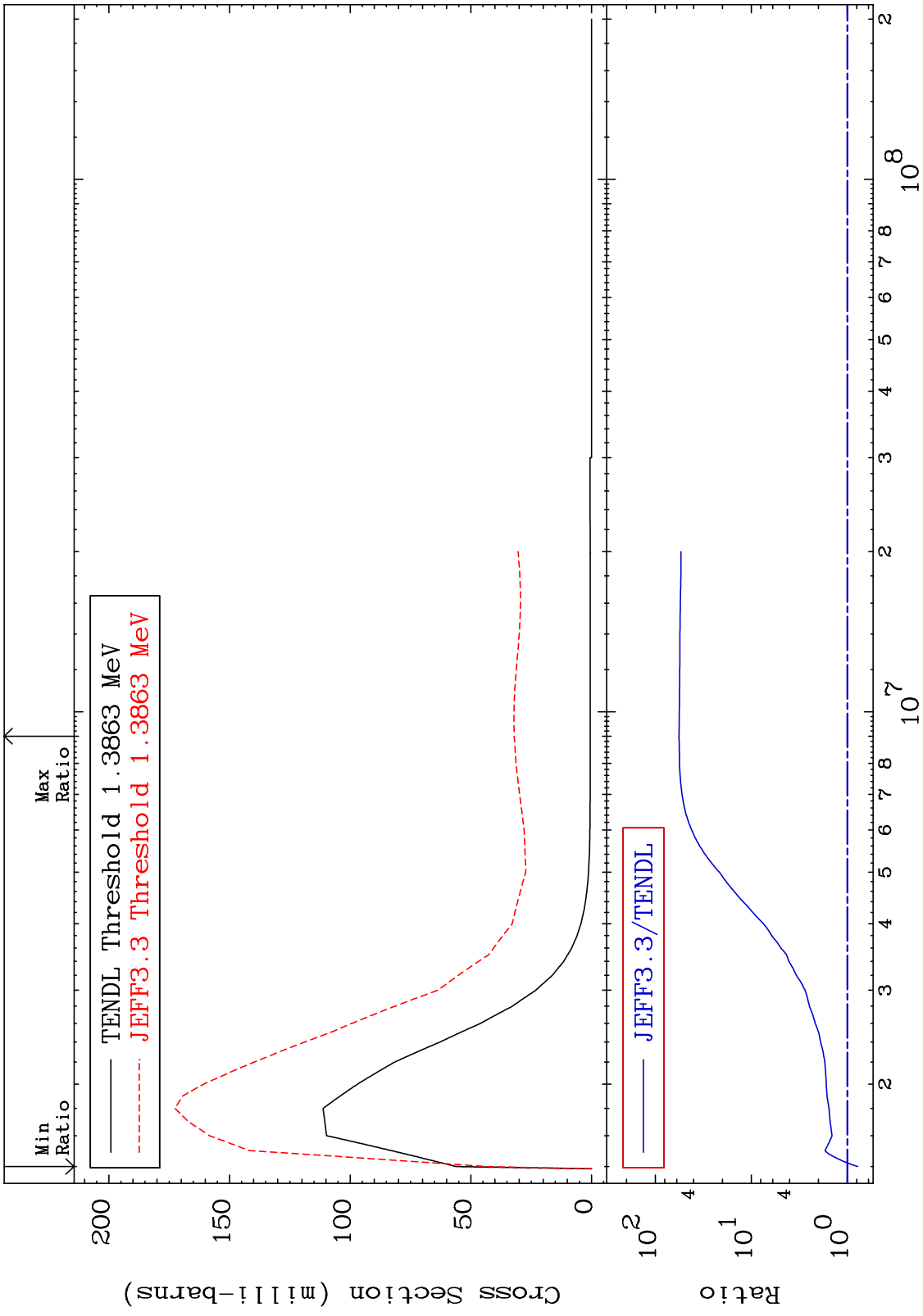
MAT 6037 MT= 54 (n,n') Level Cross Section 60-Nd-146
 -50.06 To 69.26 %



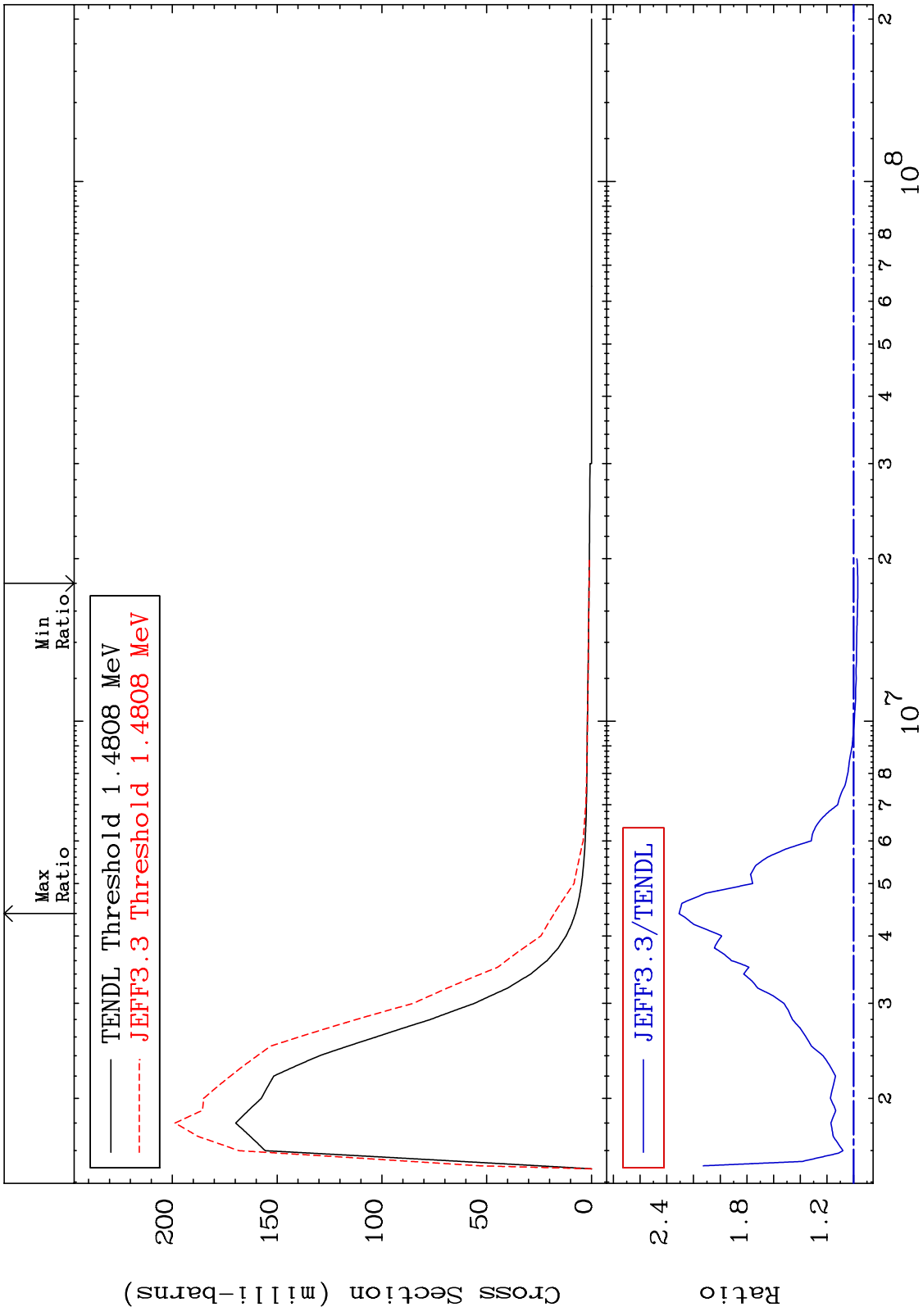
MAT 6037 MT= 55 (n,n') Level Cross Section 60-Nd-146
 -3.397 To 129.2 %



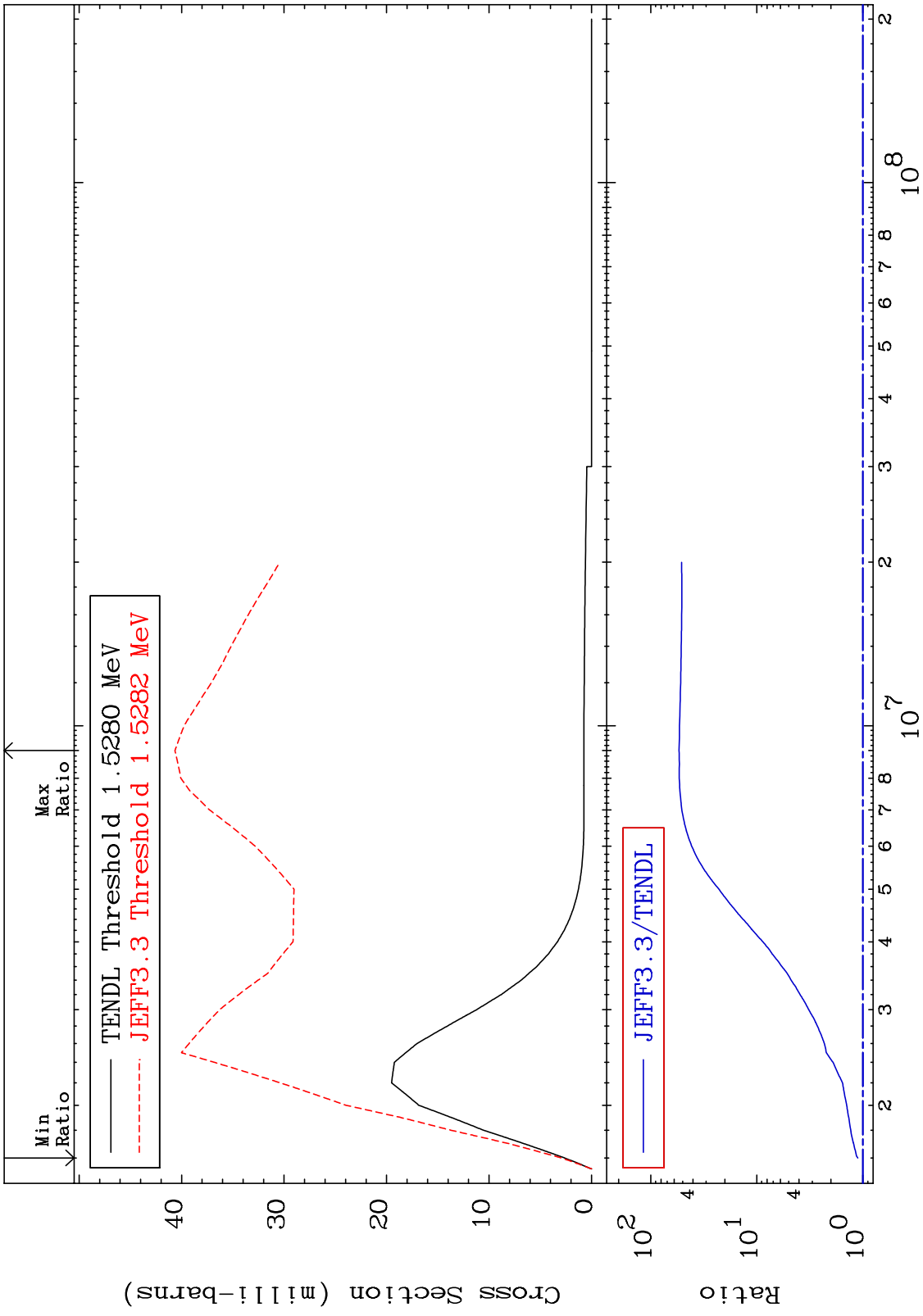
MAT 6037 MT= 56 (n,n') Level Cross Section 60-Nd-146
 -22.34 To 5576. %



MAT 6037 MT= 57 (n,n') Level Cross Section 60-Nd-146
 -3.102 To 130.8 %



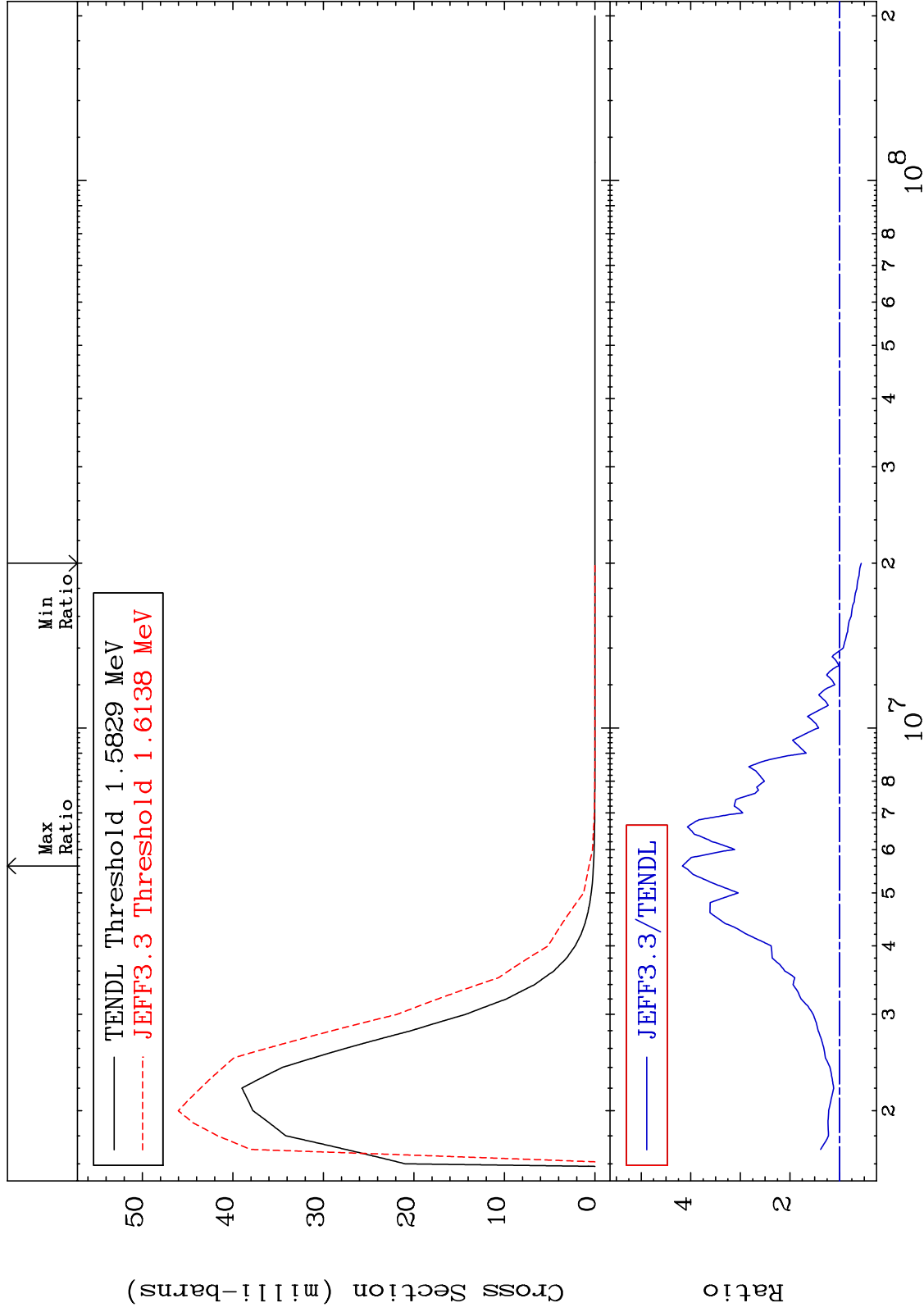
MAT 6037 MT= 58 (n,n') Level Cross Section 60-Nd-146
 11.63 To 5305. %



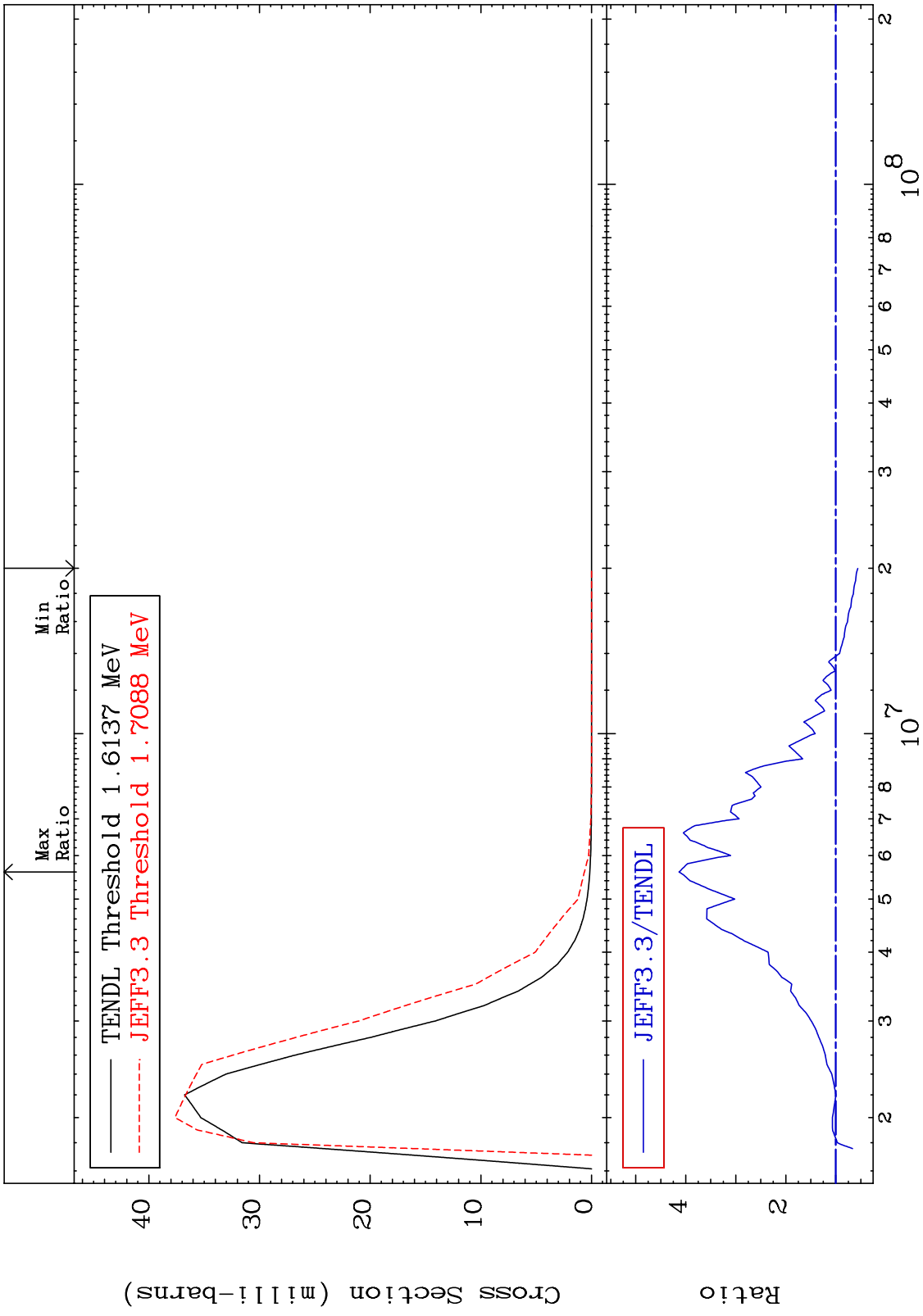
MAT 6037

MT= 59 (n,n') Level
Cross Section

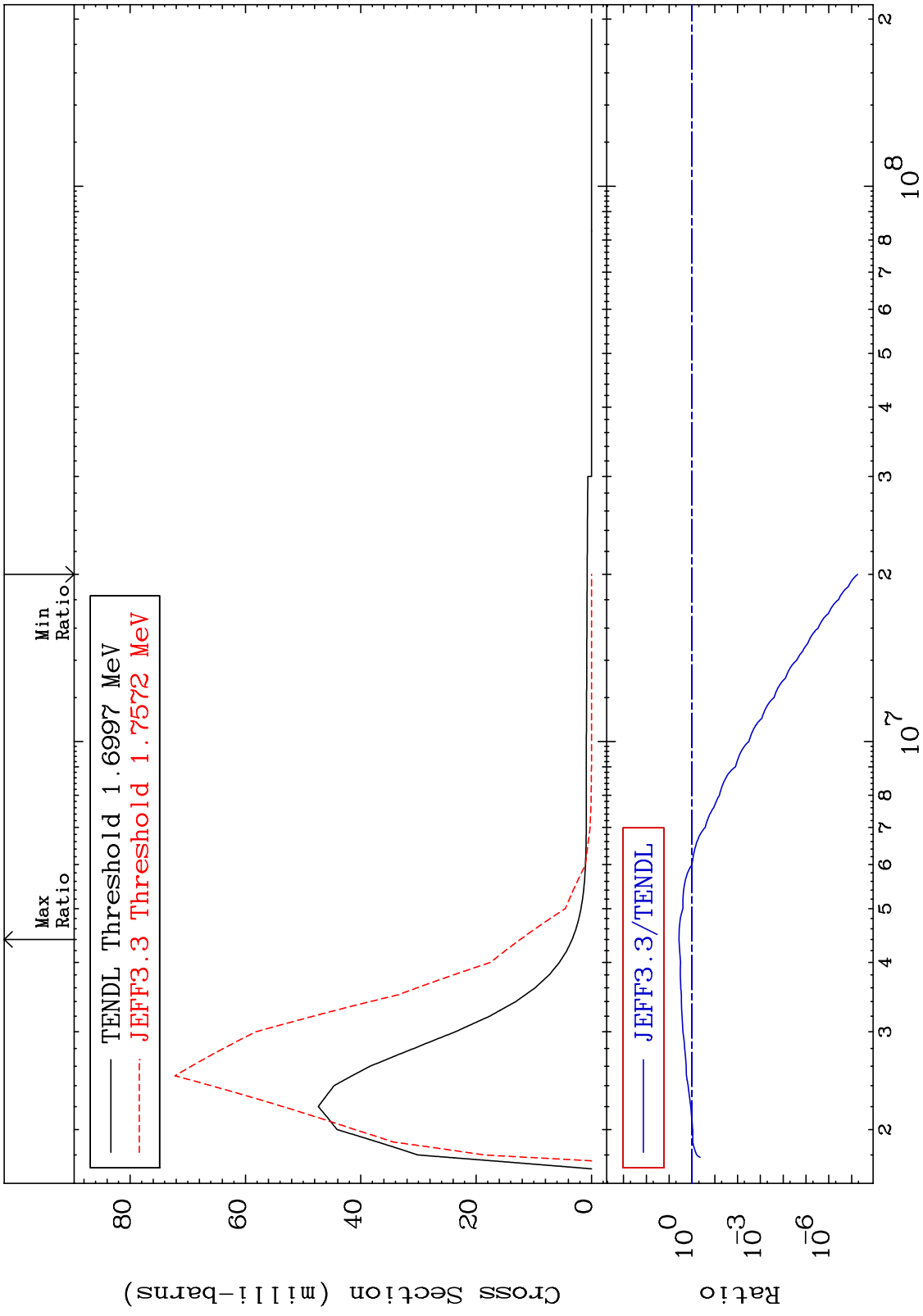
60-Nd-146
-44.01 To 316.8 %



MAT 6037 MT= 60 (n,n') Level Cross Section 60-Nd-146
 -44.08 To 313.4 %



MAT 6037 MT= 61 (n,n') Level Cross Section 60-Nd-146
 -100.0 To 267.9 %

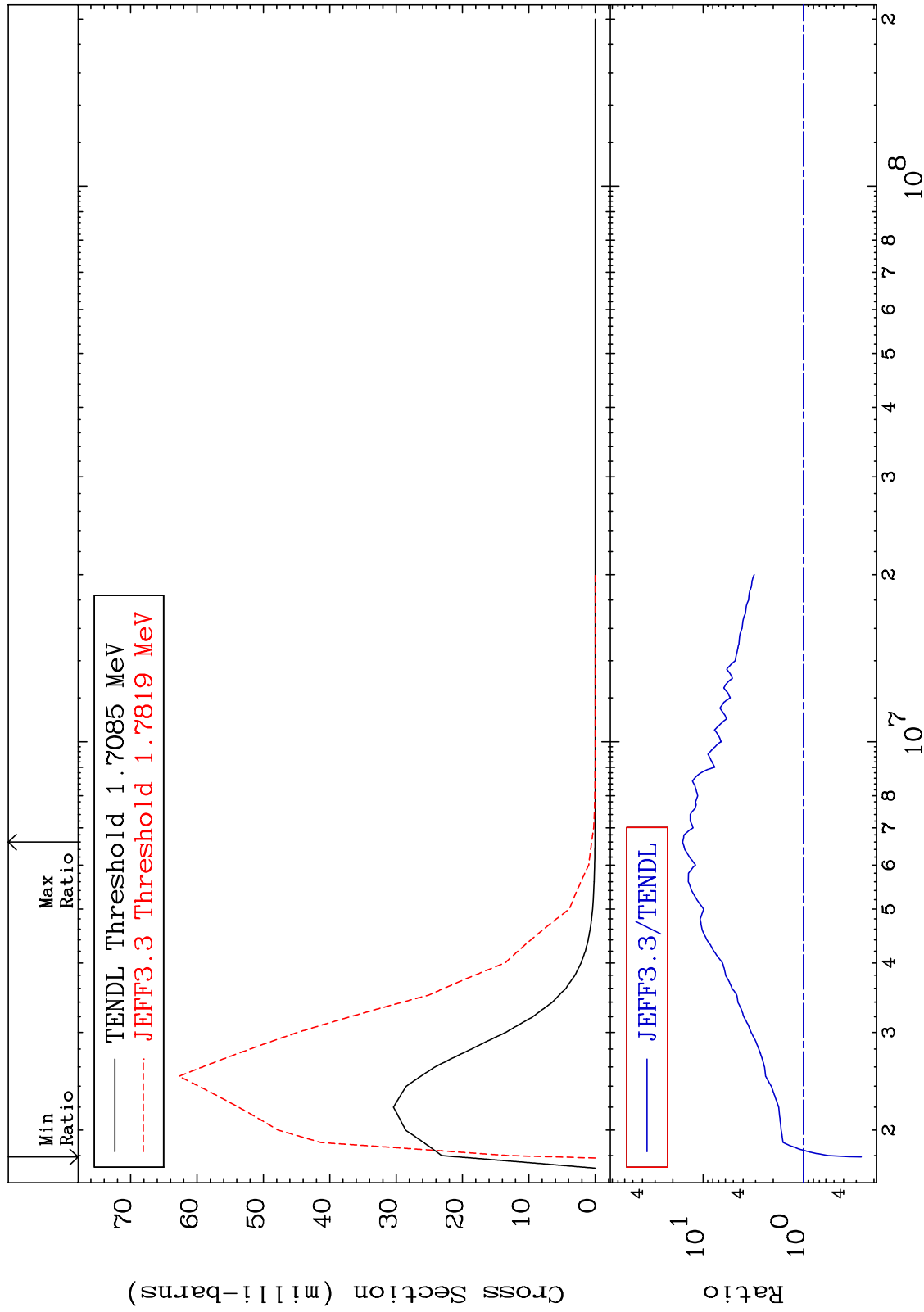


20 Incident Energy (eV) 60-Nd-146

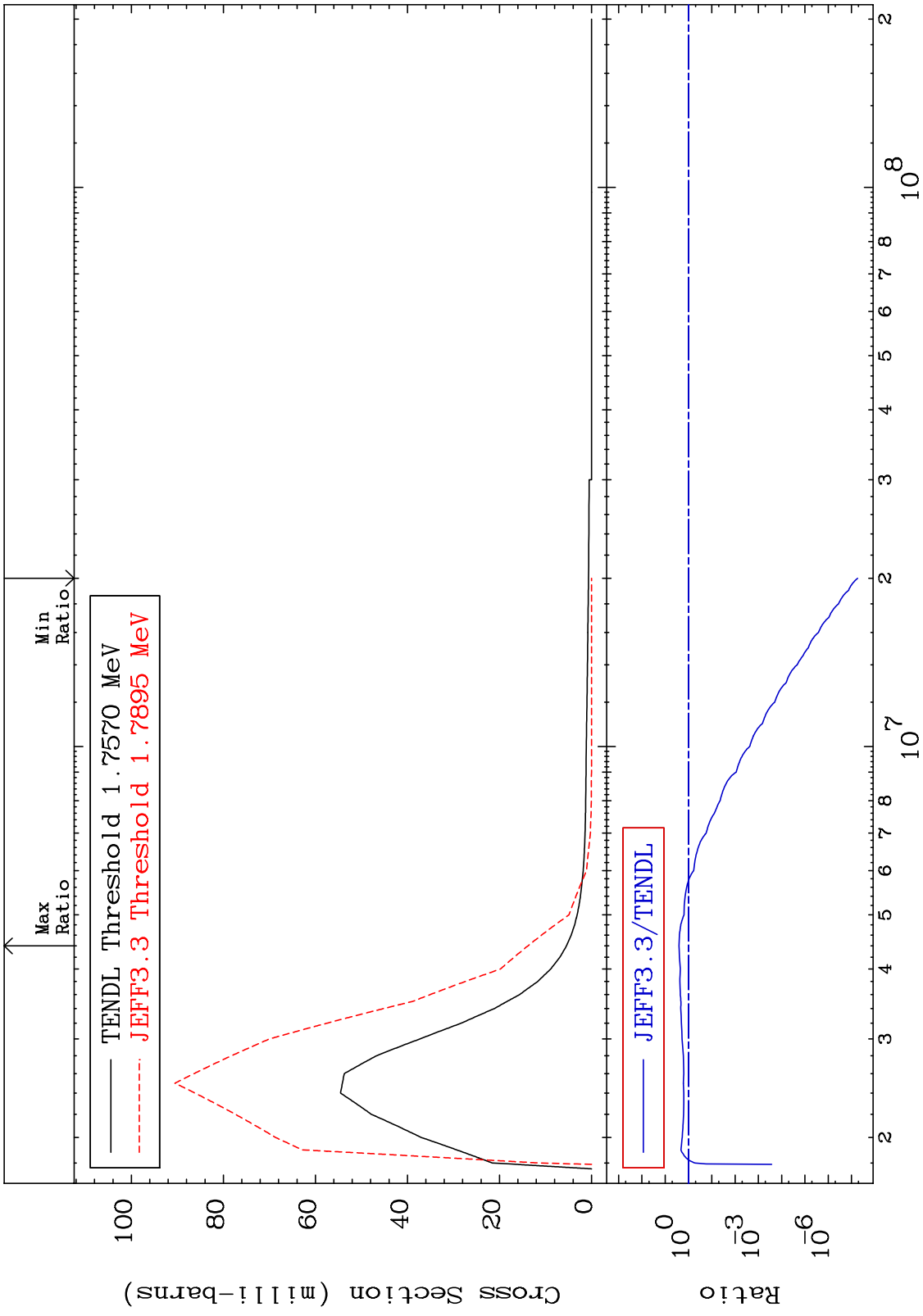
MAT 6037

MT= 62 (n,n') Level
Cross Section

60-Nd-146
-73.29 To 1494. %



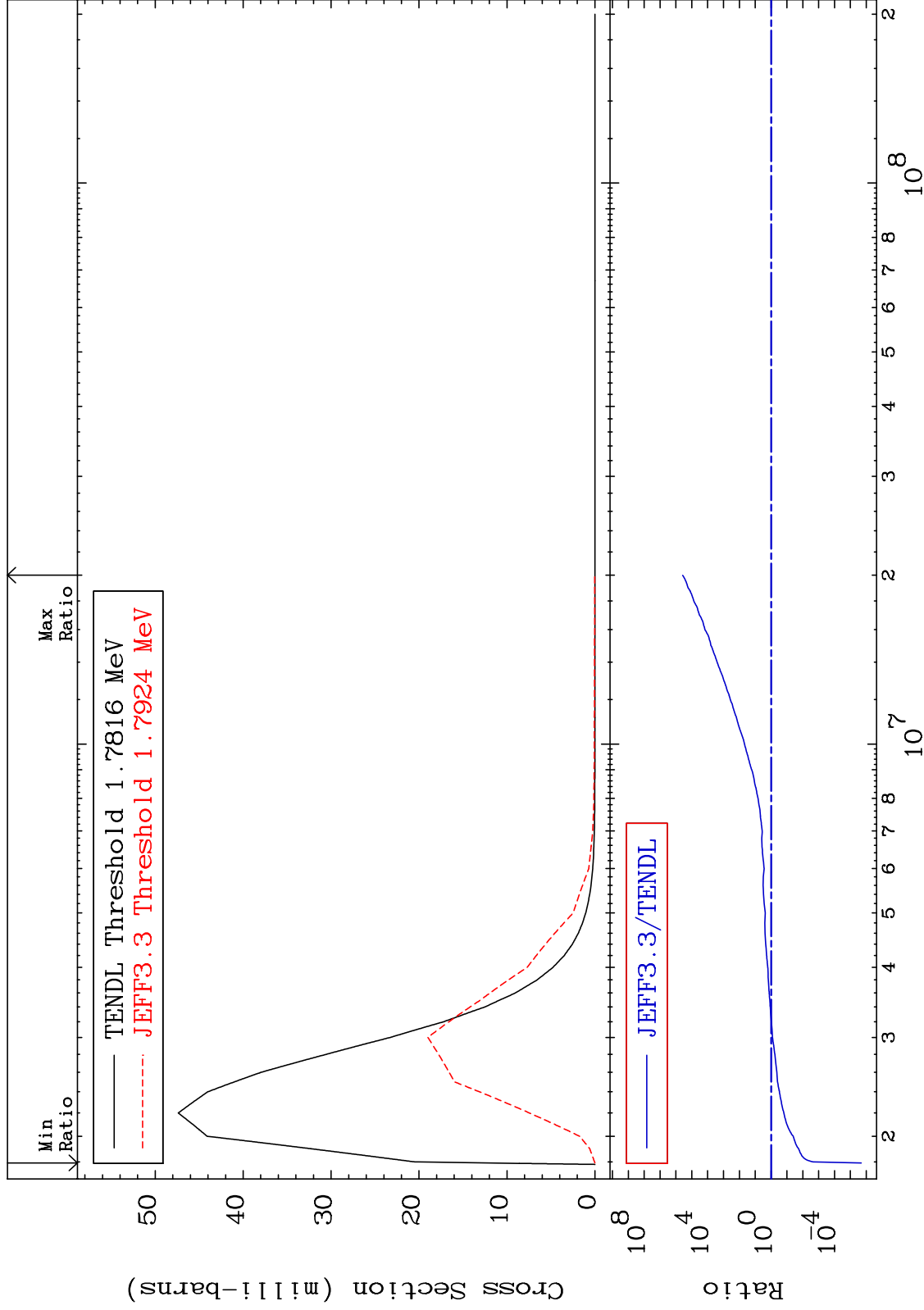
MAT 6037 MT= 63 (n,n') Level Cross Section 60-Nd-146
 -100.0 To 154.5 %



MAT 6037

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

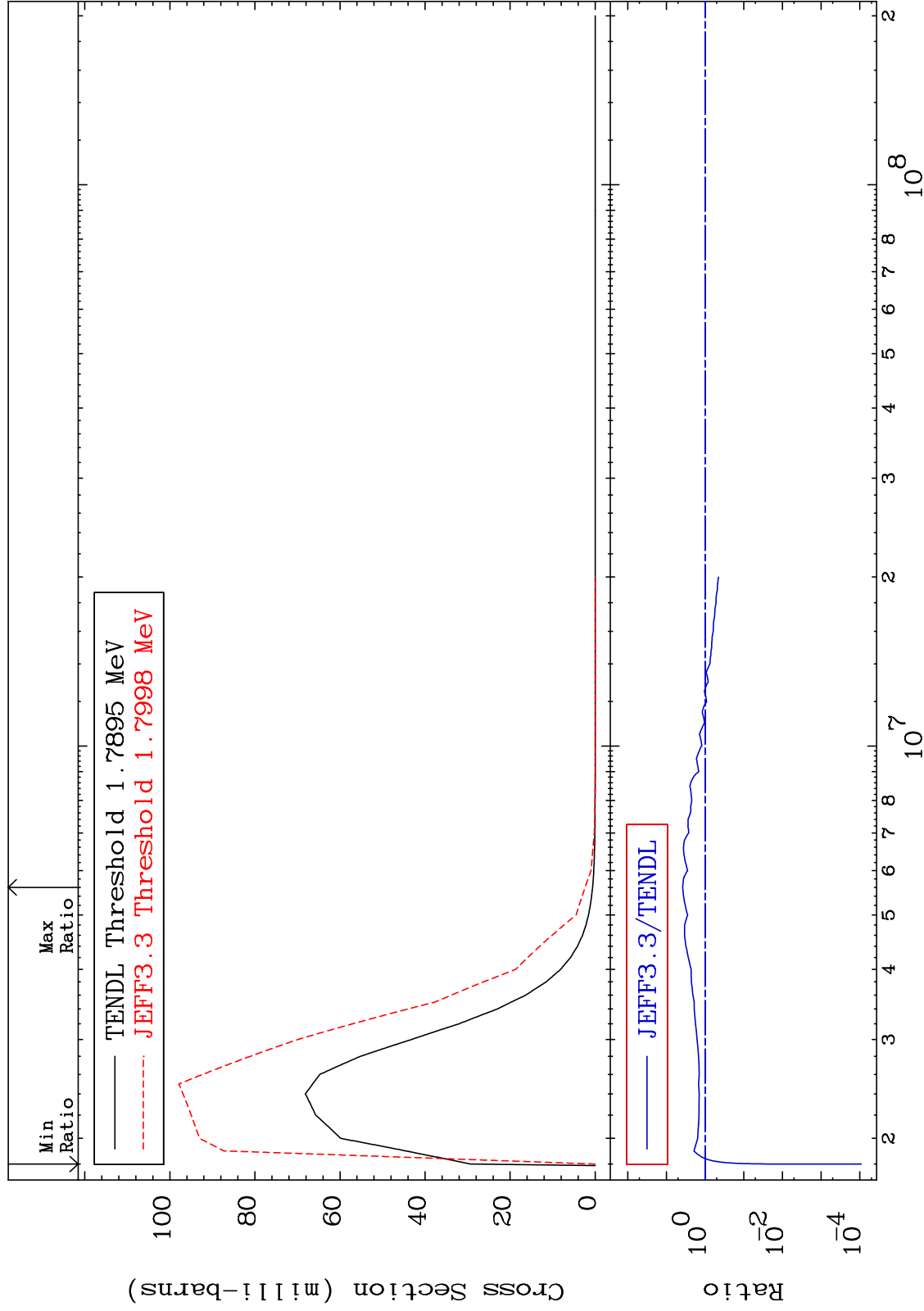
60-Nd-146
-100.0 To 9999. %



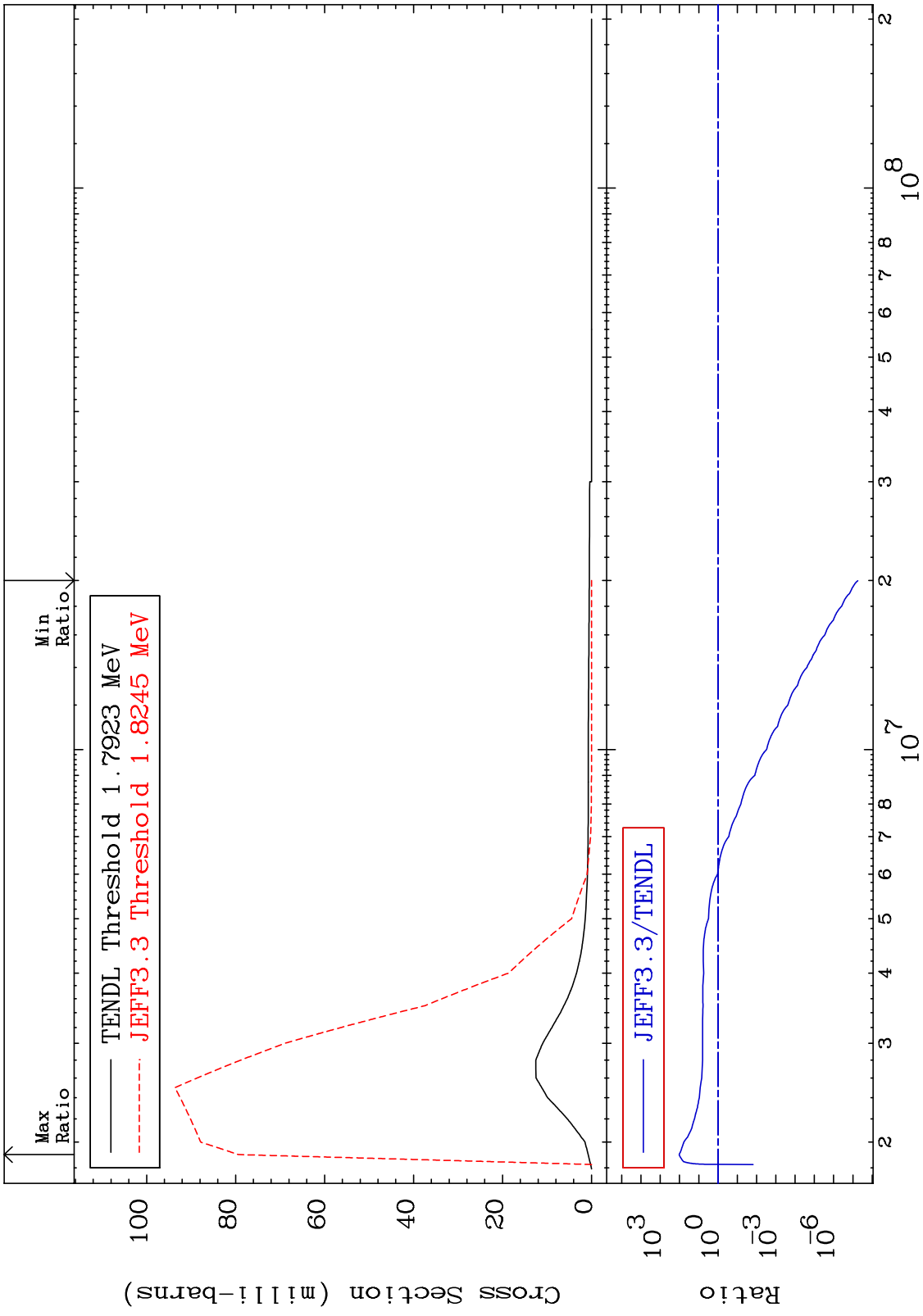
MAT 6037

MT= 65 (n,n') Level
Cross Section

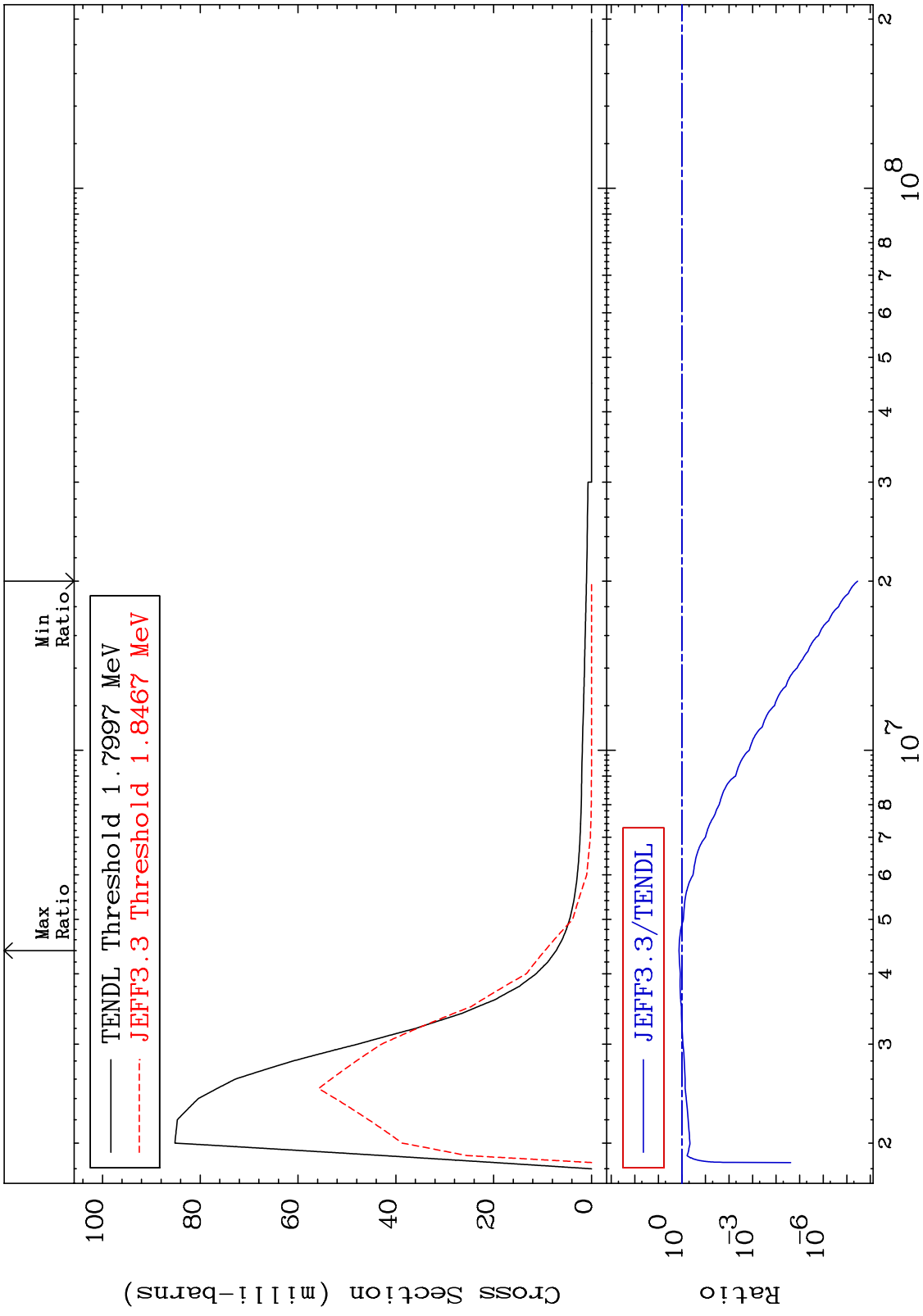
60-Nd-146
-99.99 To 280.1 %



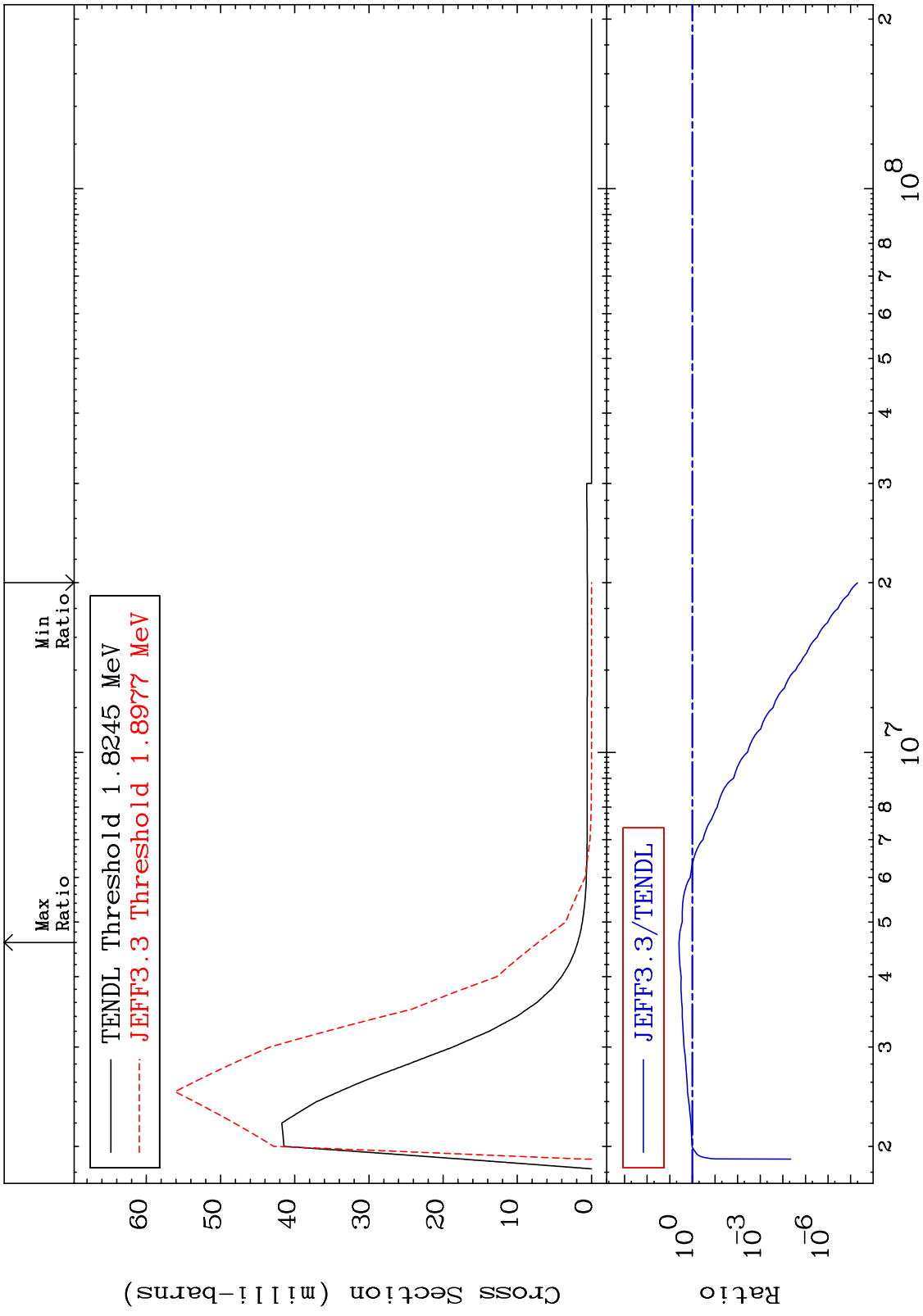
MAT 6037 MT= 66 (n,n') Level Cross Section 60-Nd-146
 -100.0 To 9999. %



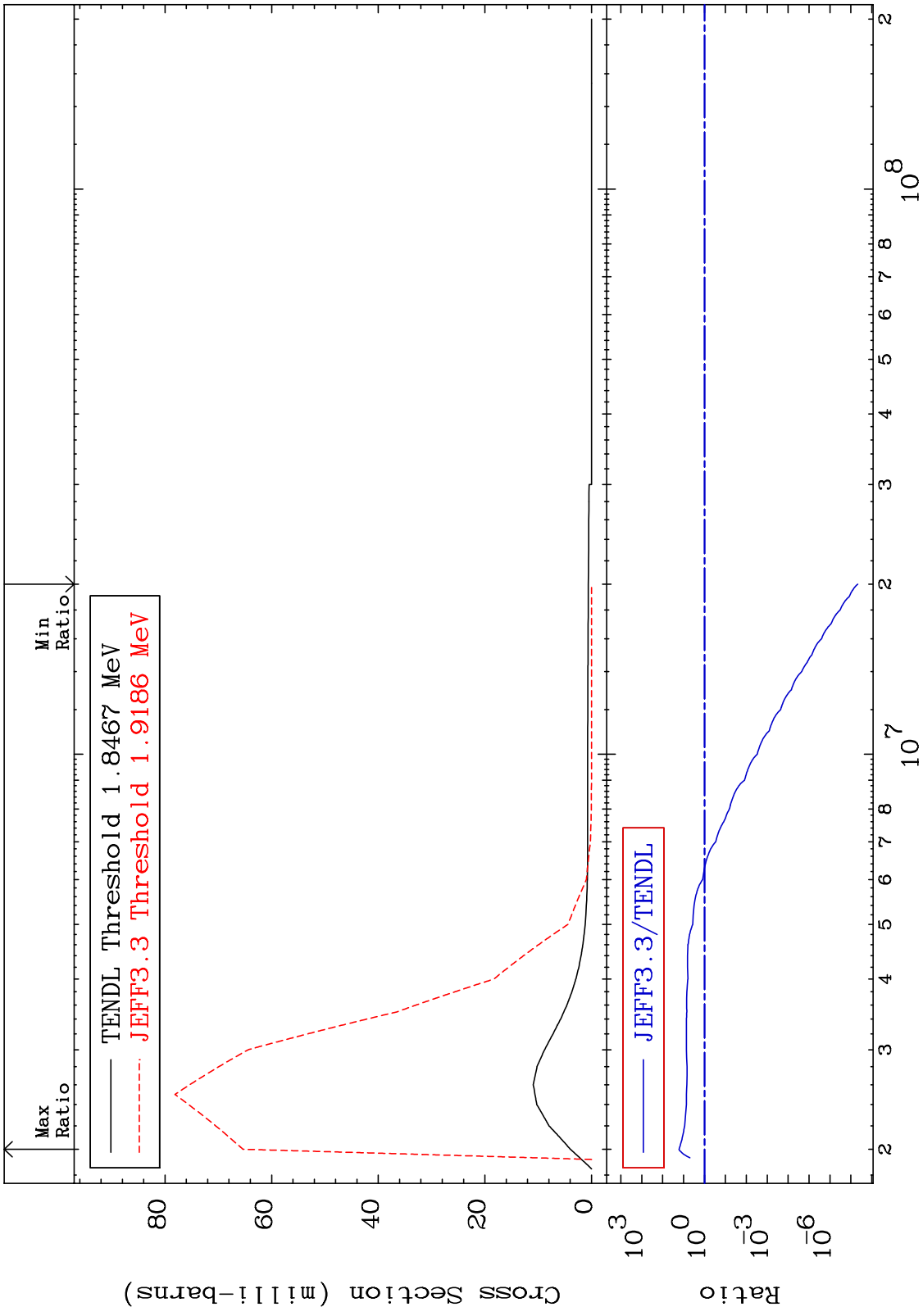
MAT 6037 MT= 67 (n,n') Level Cross Section 60-Nd-146
 -100.0 To 32.07 %



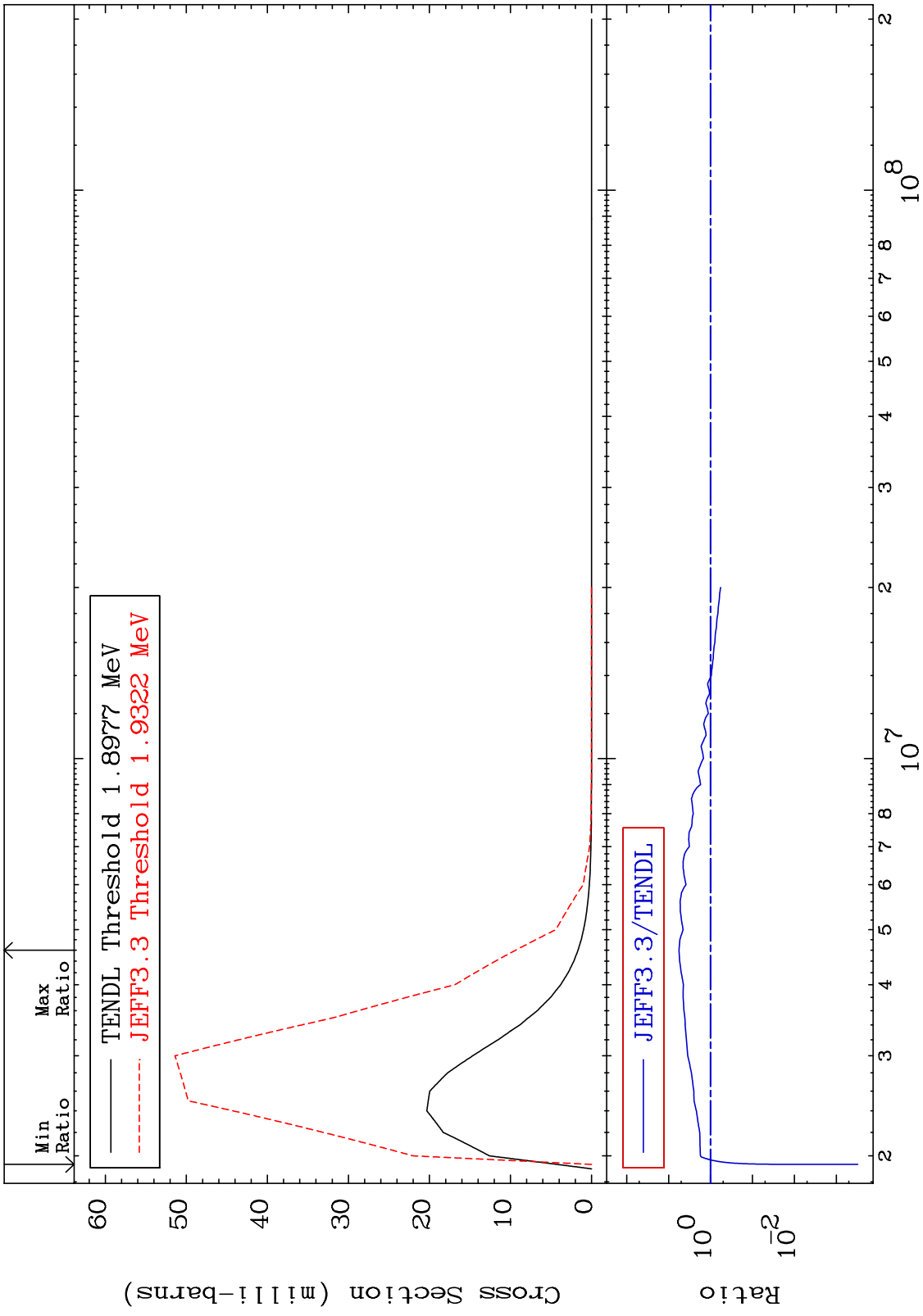
MAT 6037 MT= 68 (n,n') Level Cross Section 60-Nd-146
 -100.0 To 288.8 %



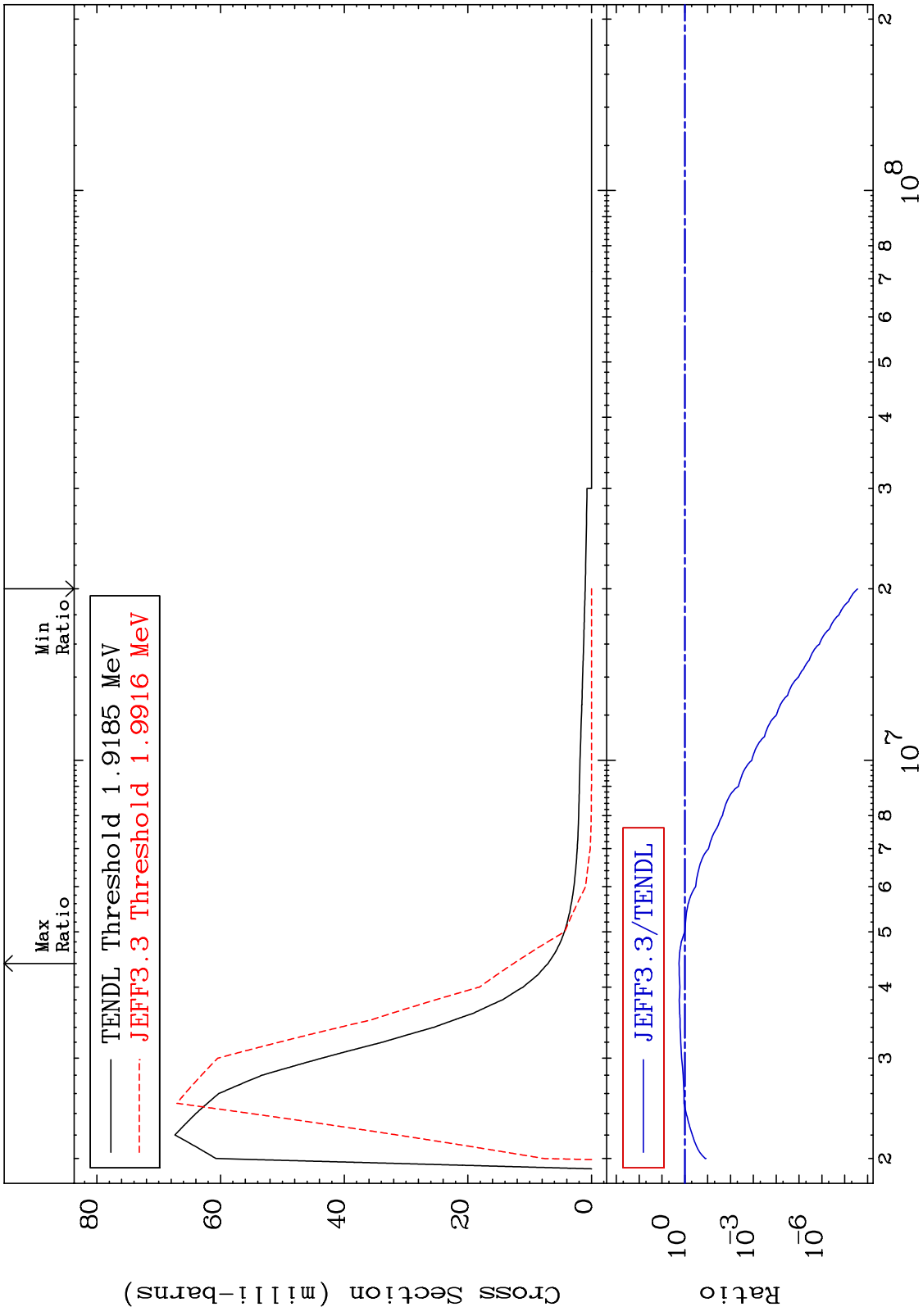
MAT 6037 MT= 69 (n,n') Level Cross Section 60-Nd-146
 -100.0 To 1546. %



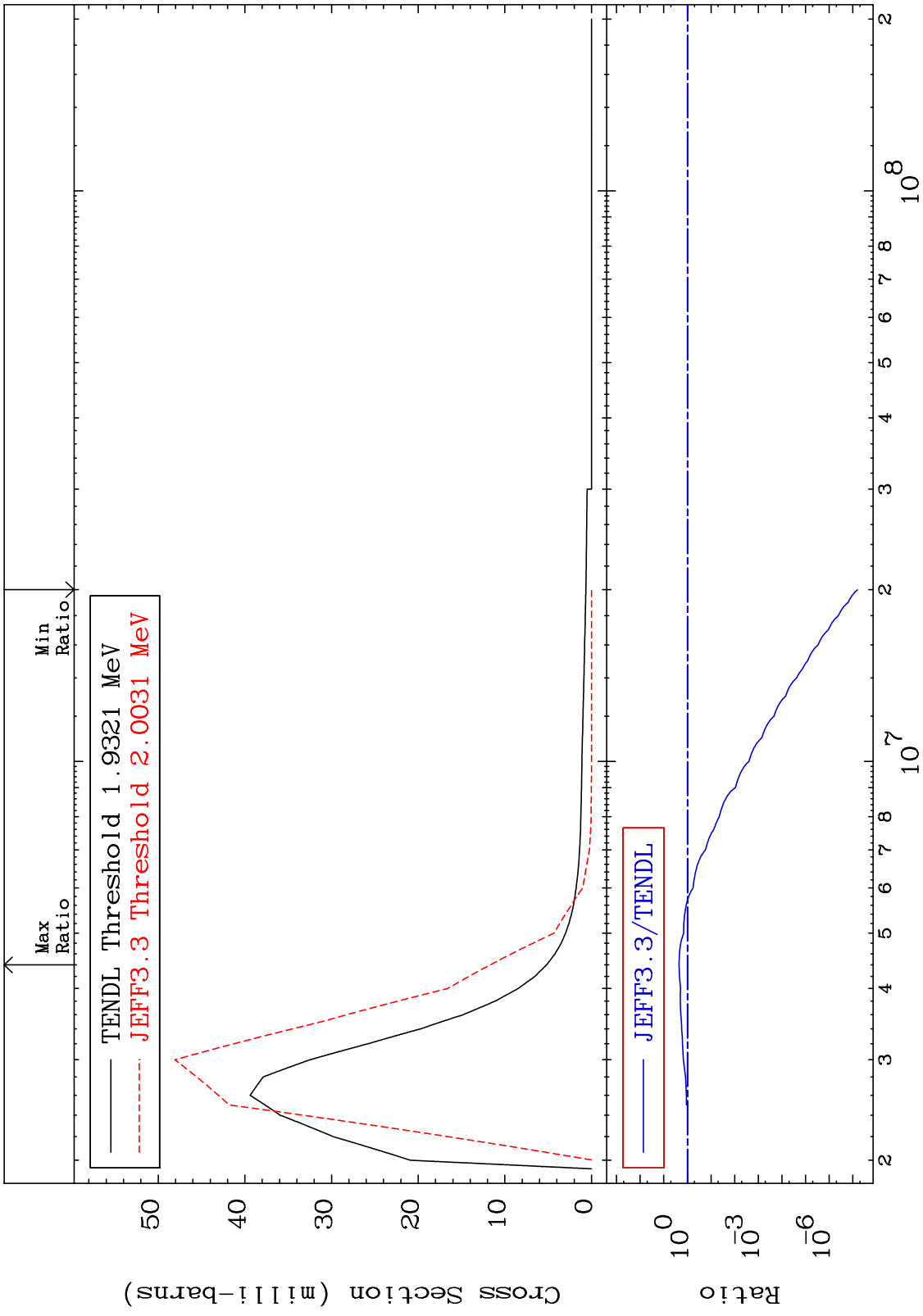
MAT 6037 MT= 70 (n,n') Level Cross Section 60-Nd-146 -99.97 To 463.3 %



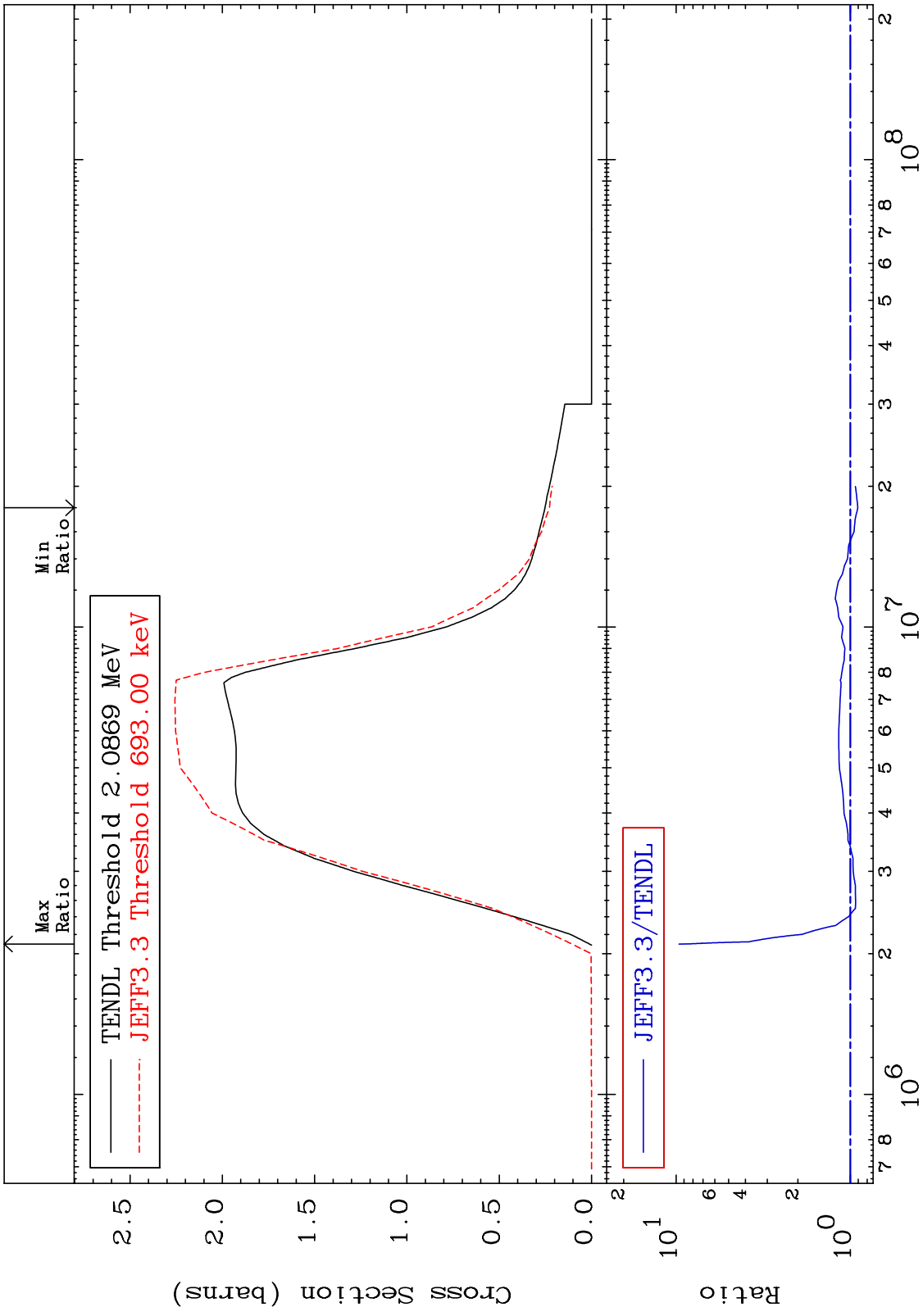
MAT 6037 MT= 71 (n,n') Level Cross Section 60-Nd-146
 -100.0 To 79.04 %



MAT 6037 MT= 72 (n,n') Level Cross Section 60-Nd-146
 -100.0 To 125.6 %



MAT 6037 (n, n') Continuum Cross Section 60-Nd-146 -9.443 To 861.4 %



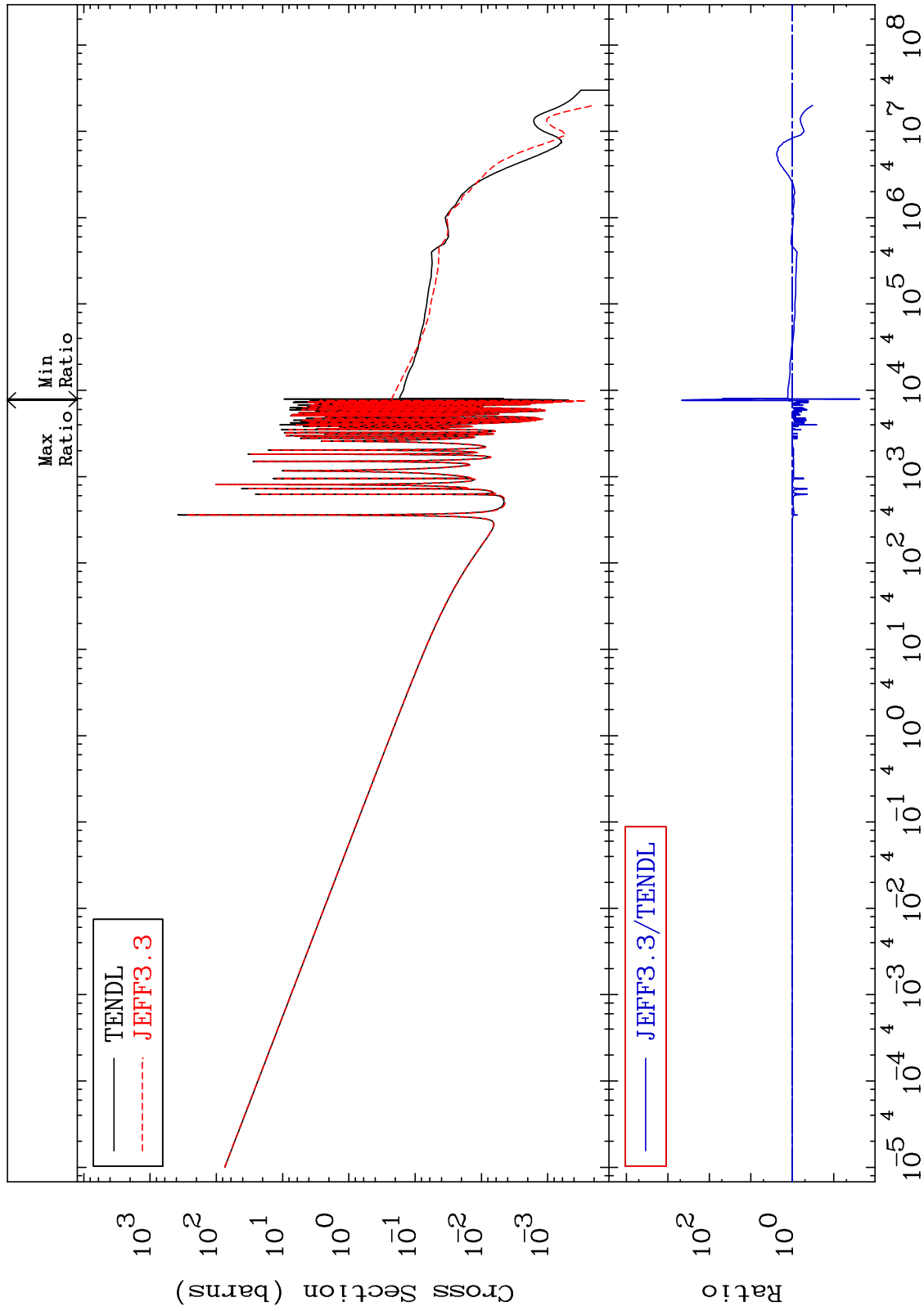
MAT 6037

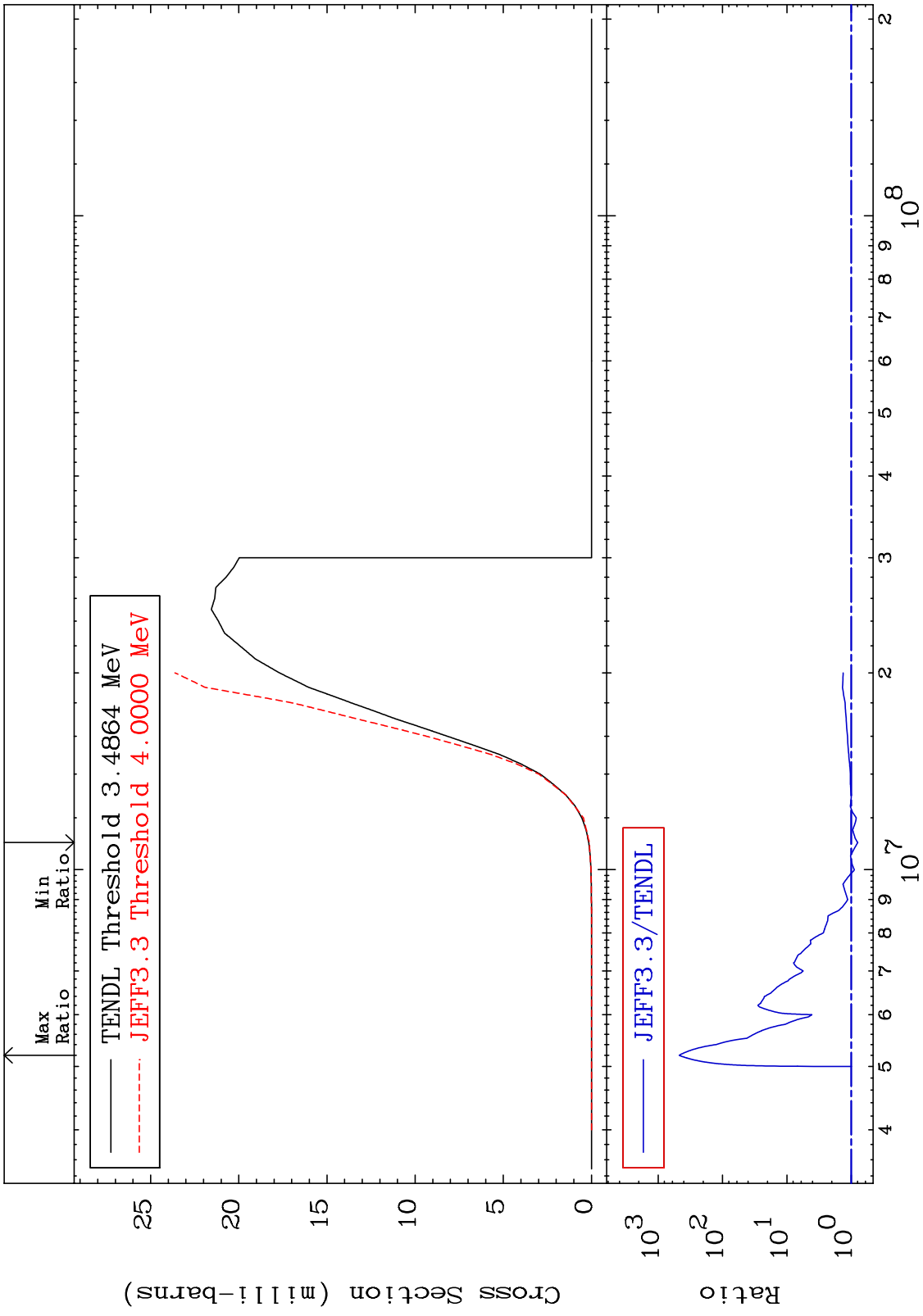
(n, γ)

60-Nd-146

Cross Section

-97.63 To 9999. %





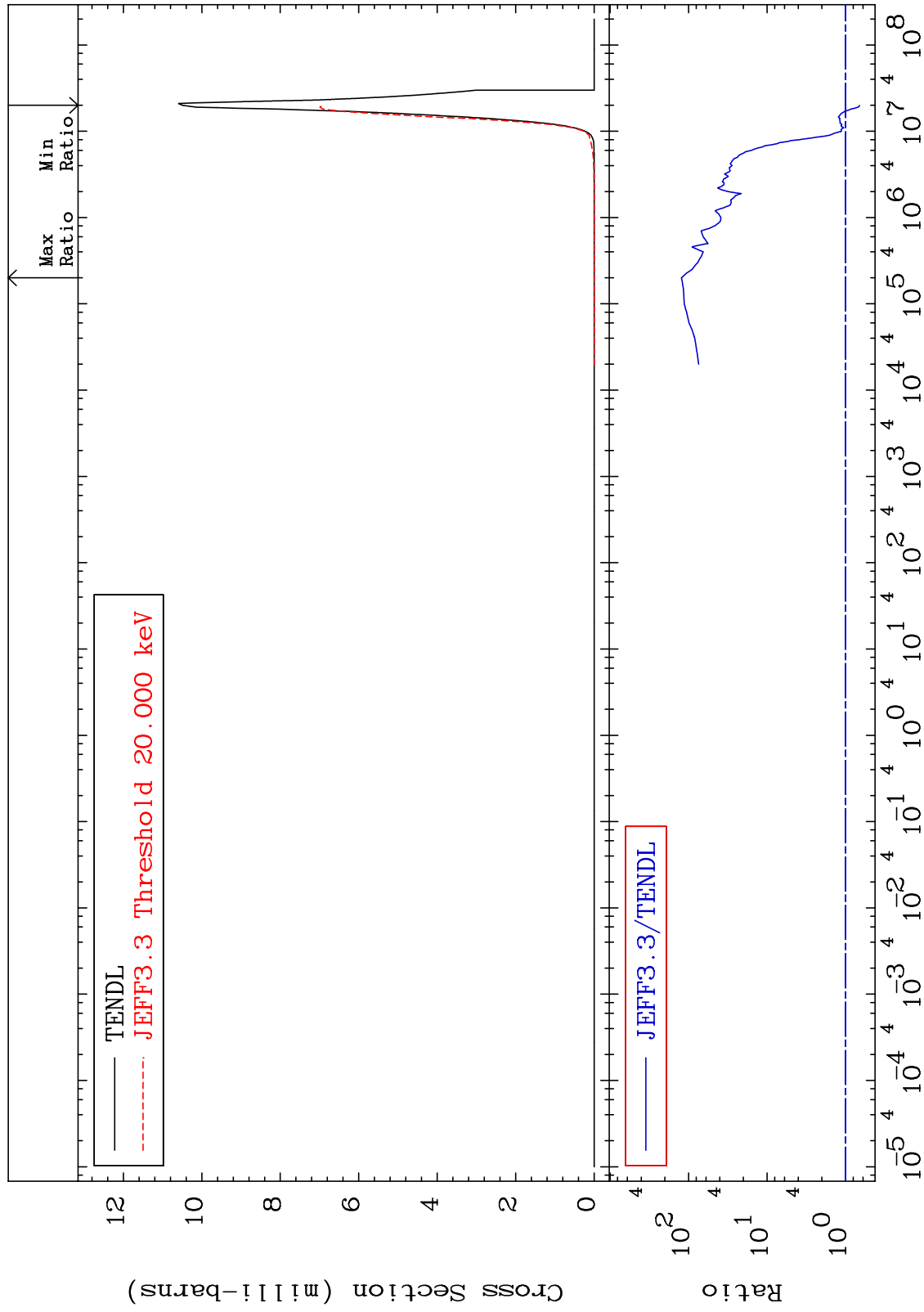
MAT 6037

(n, α)

60-Nd-146

Cross Section

-34.20 To 9999. %



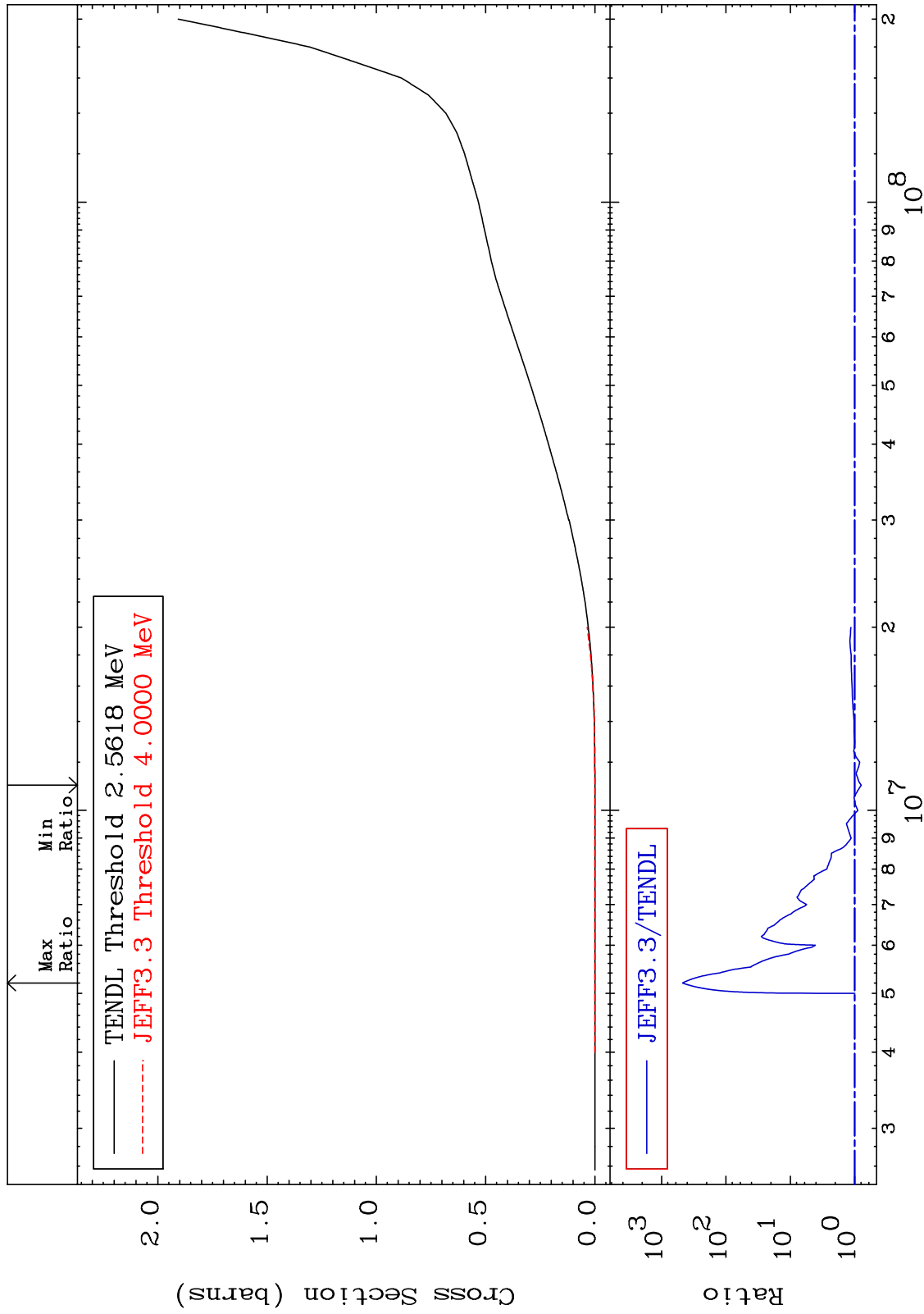
35

60-Nd-146

MAT 6037

Hydrogen Production
Cross Section

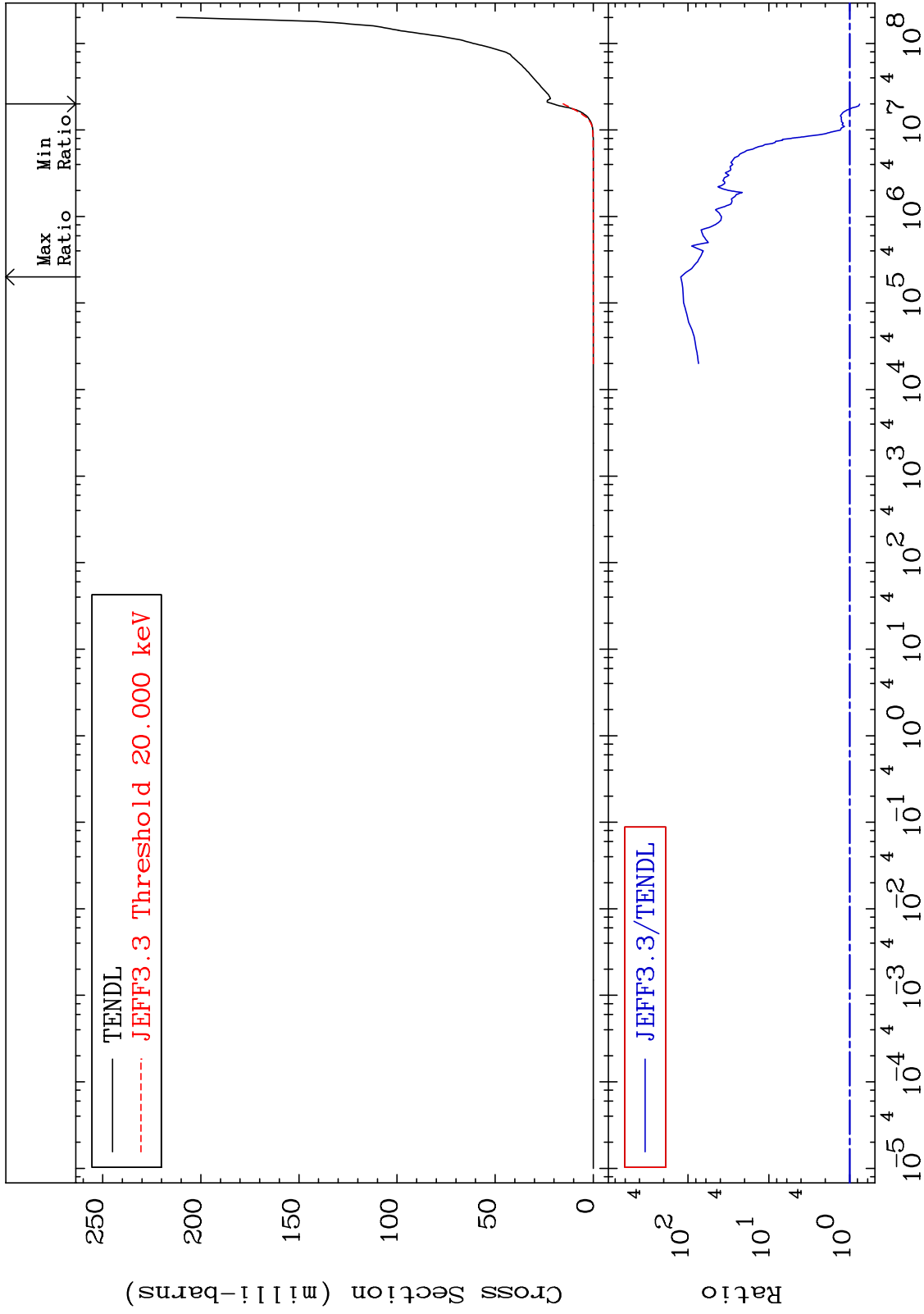
60-Nd-146
-21.01 To 9999. %



MAT 6037

He-4 Production
Cross Section

60-Nd-146
-24.77 To 9999. %

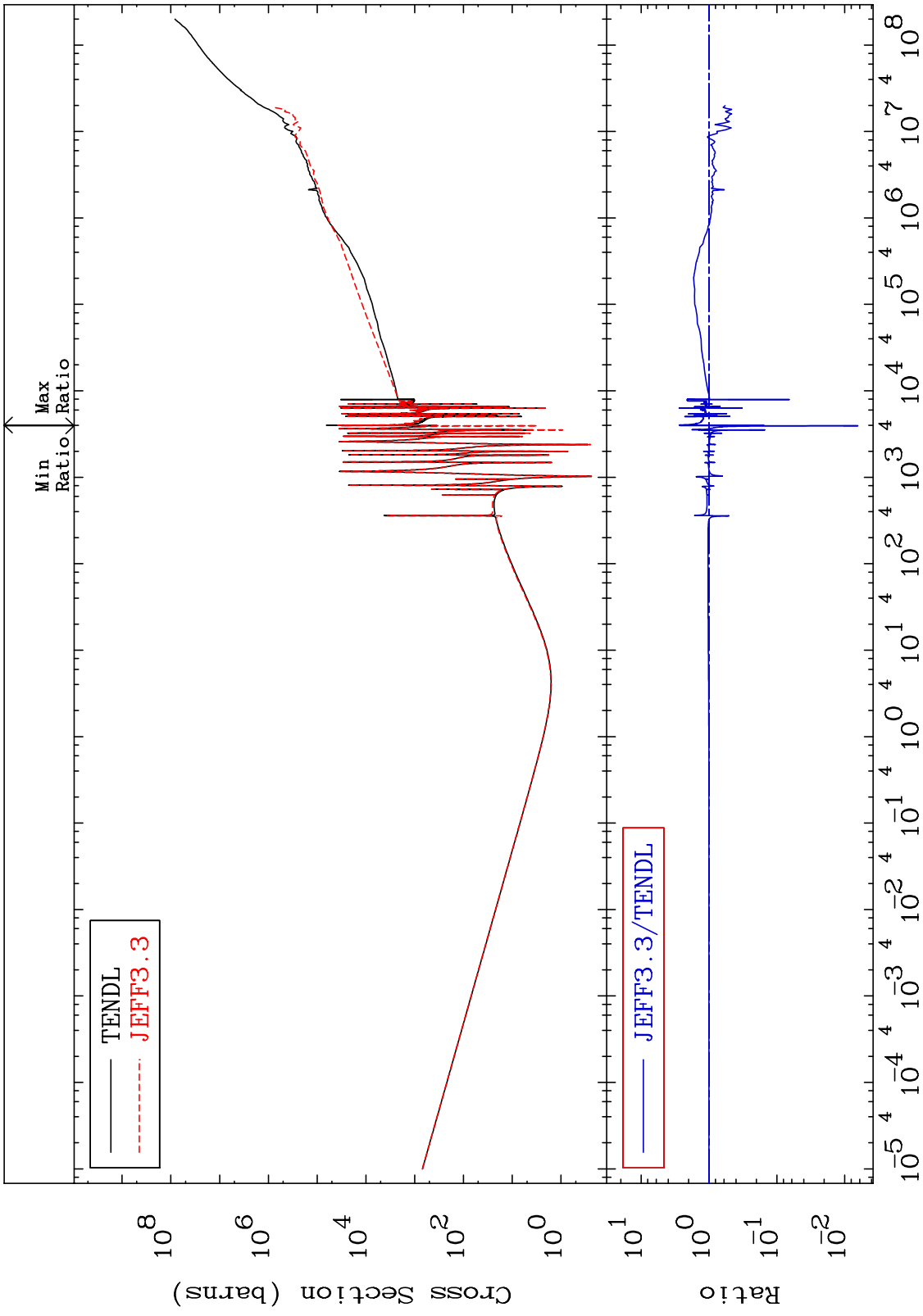


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Incident Energy (eV)

60-Nd-146

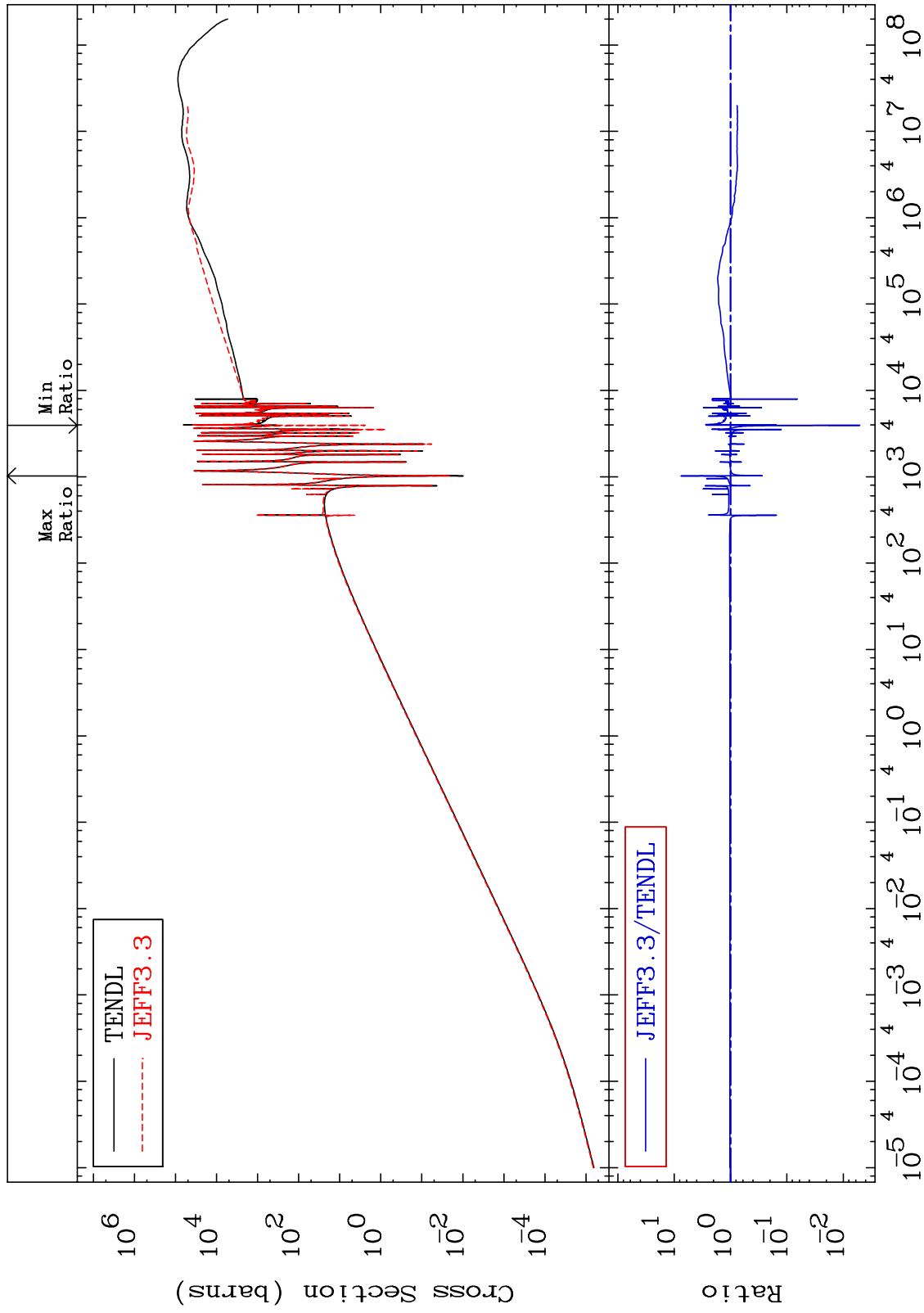
MAT 6037 Kerma total (eV-barns)
 Cross Section -99.36 To 176.6 % 60-Nd-146



MAT 6037

Kerma elastic
Cross Section

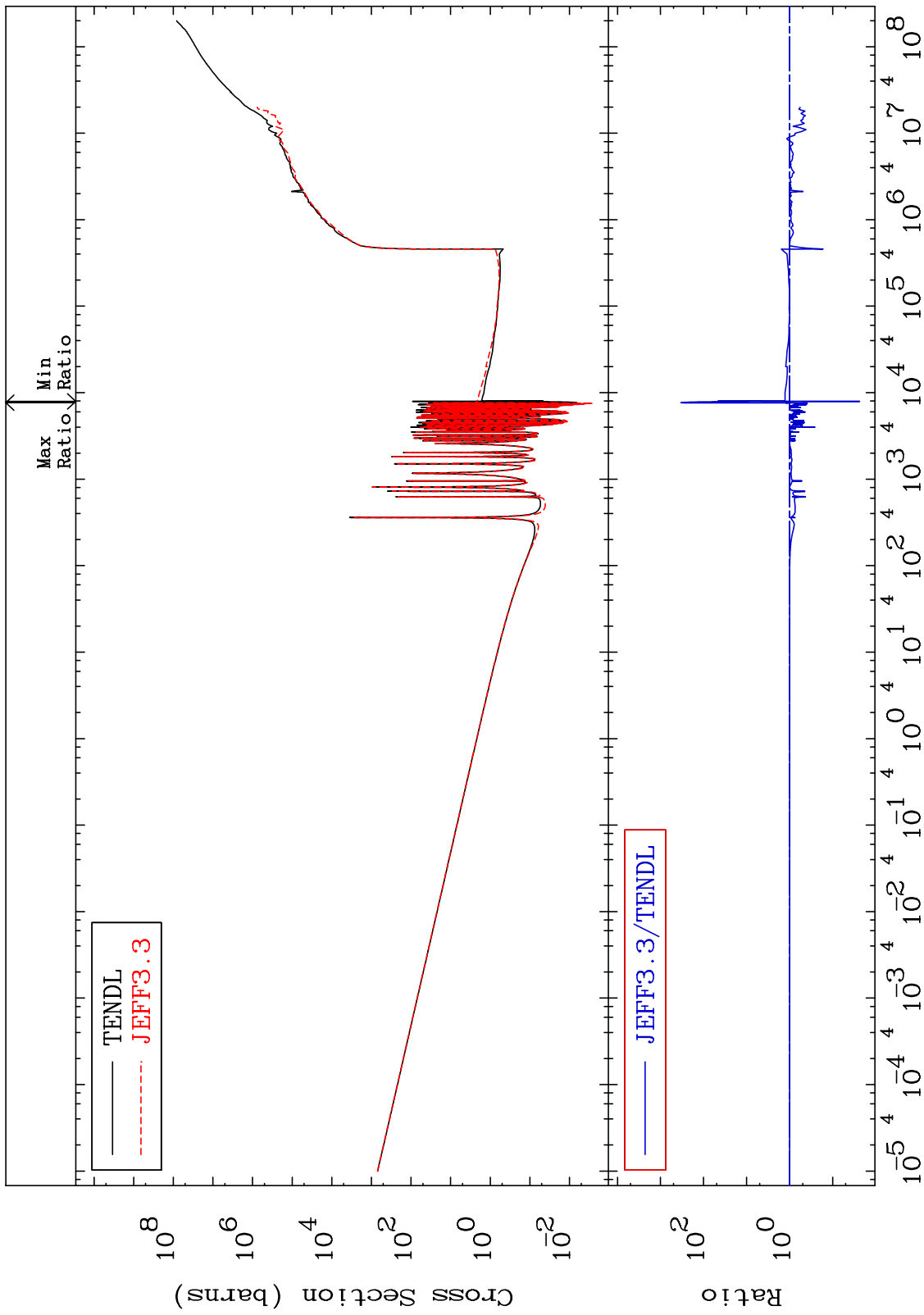
60-Nd-146
-99.49 To 649.7 %



MAT 6037

Kerma non-elastic (all but mt.2)
Cross Section

60-Nd-146
-97.63 To 9999. %

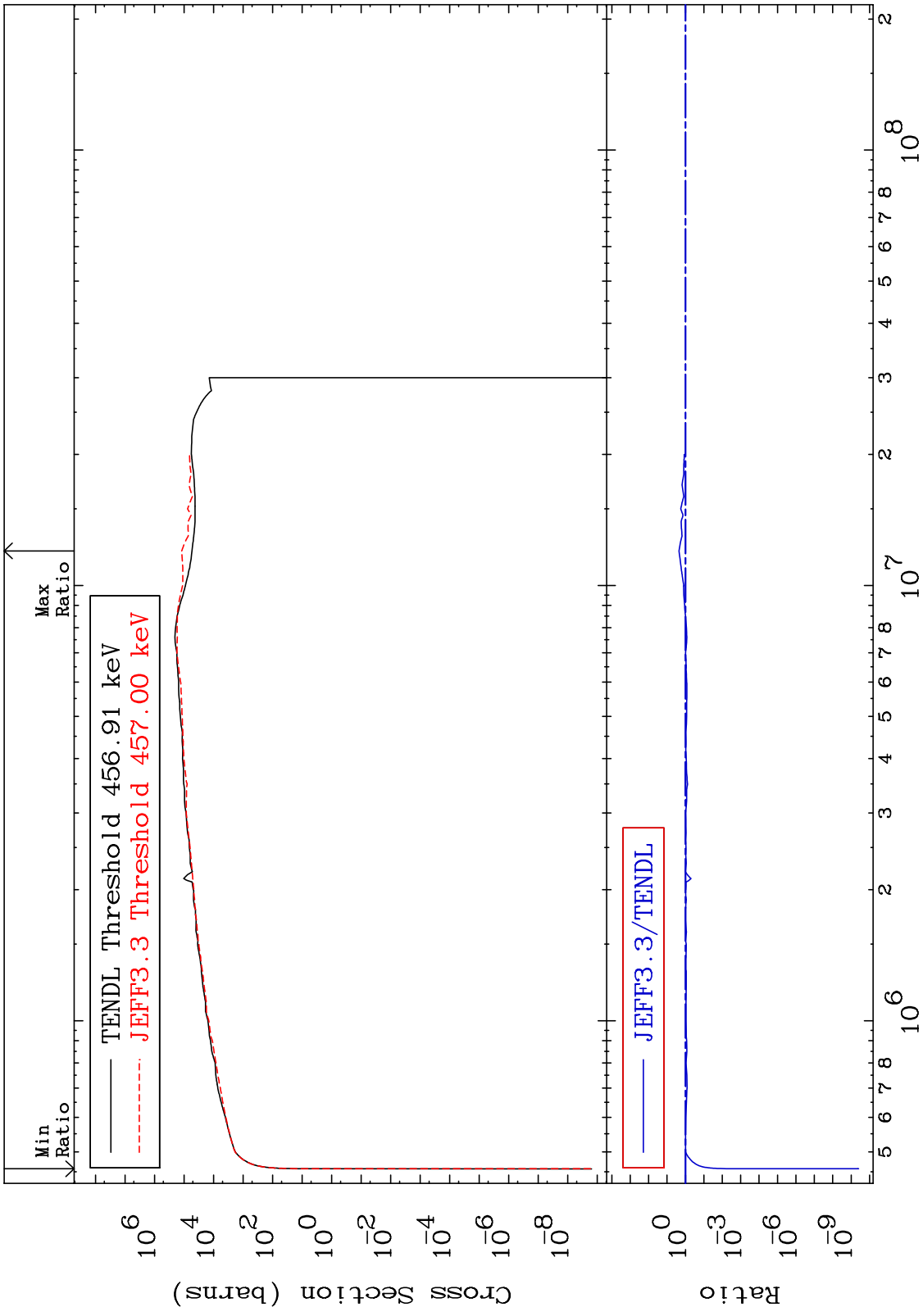


40

Incident Energy (eV)

60-Nd-146

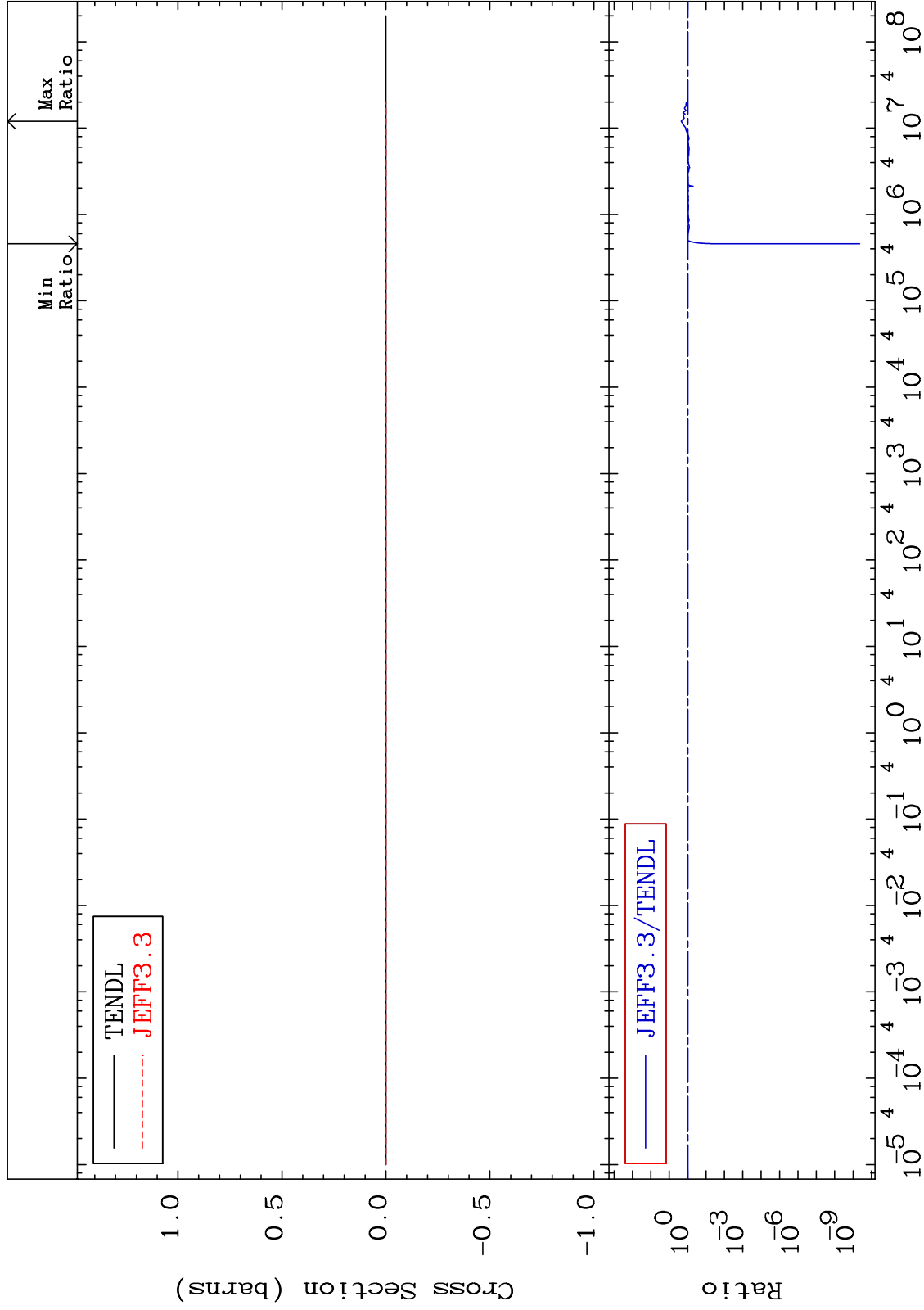
MAT 6037 Kerma inelastic (mt51-91) 60-Nd-146
 -100.0 To 122.3 %
 Cross Section



MAT 6037

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

60-Nd-146
-100.0 To 122.3 %



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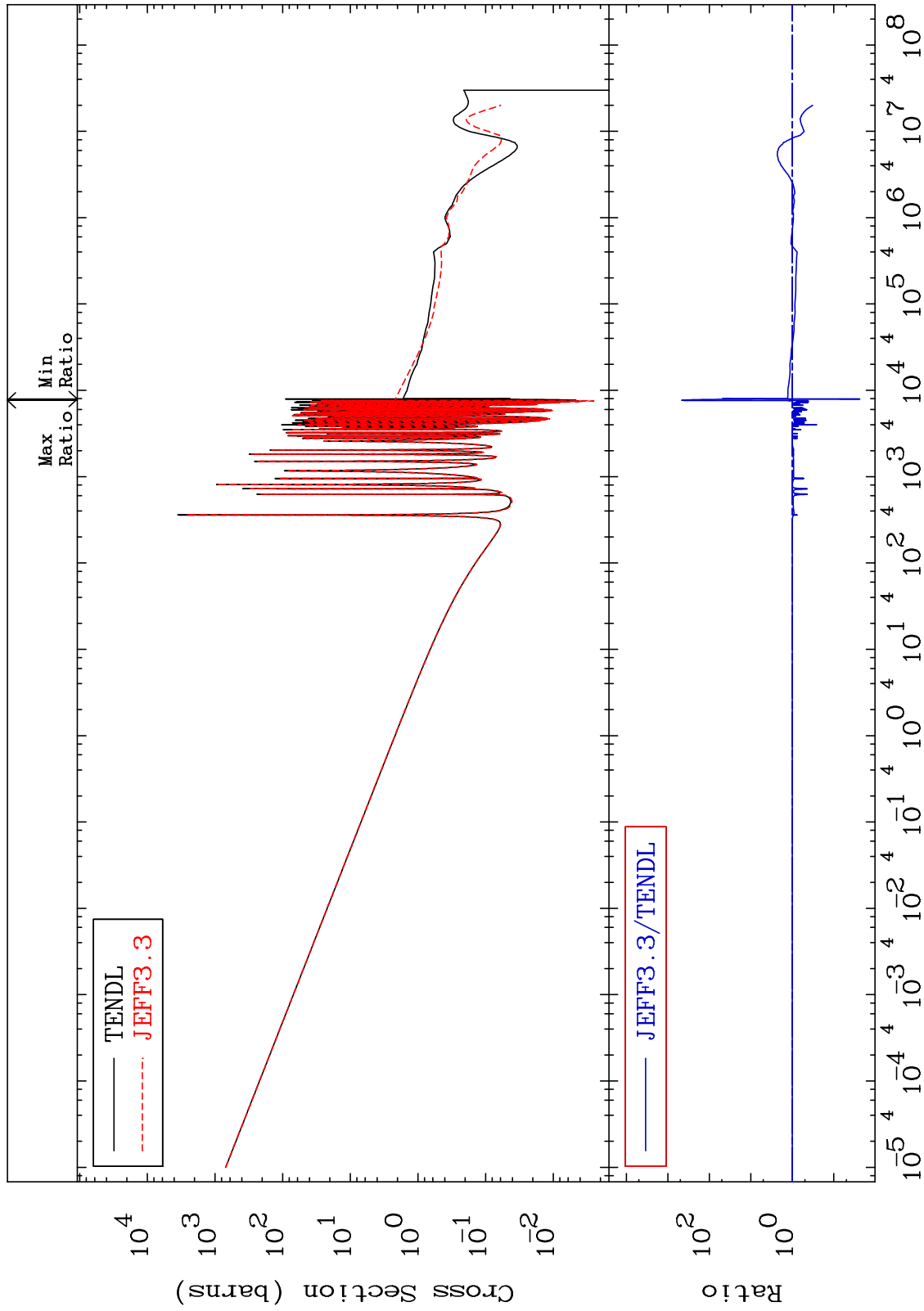
Incident Energy (eV)

60-Nd-146

MAT 6037

Kerma capture (mt102)
Cross Section

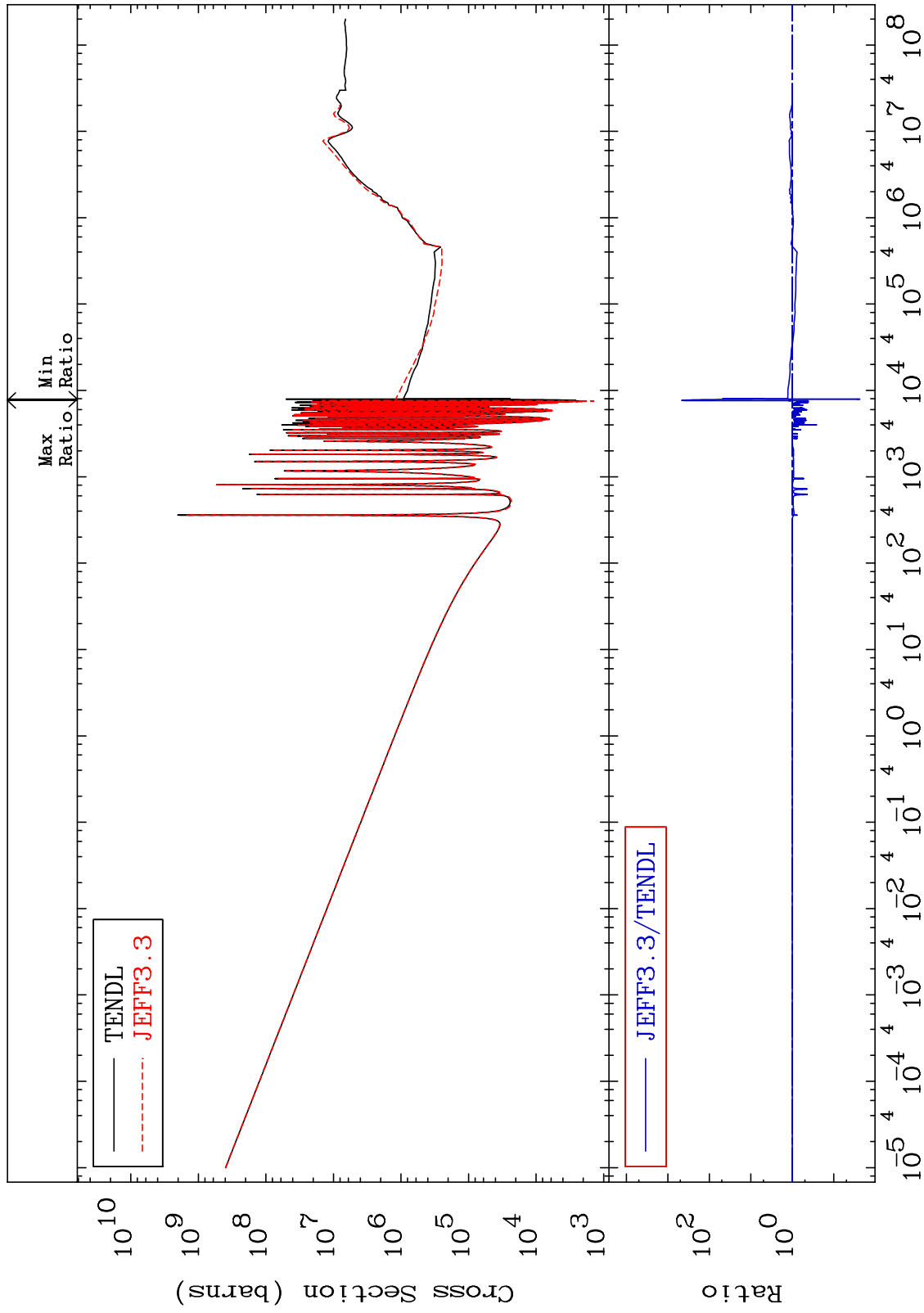
60-Nd-146
-97.63 To 9999. %



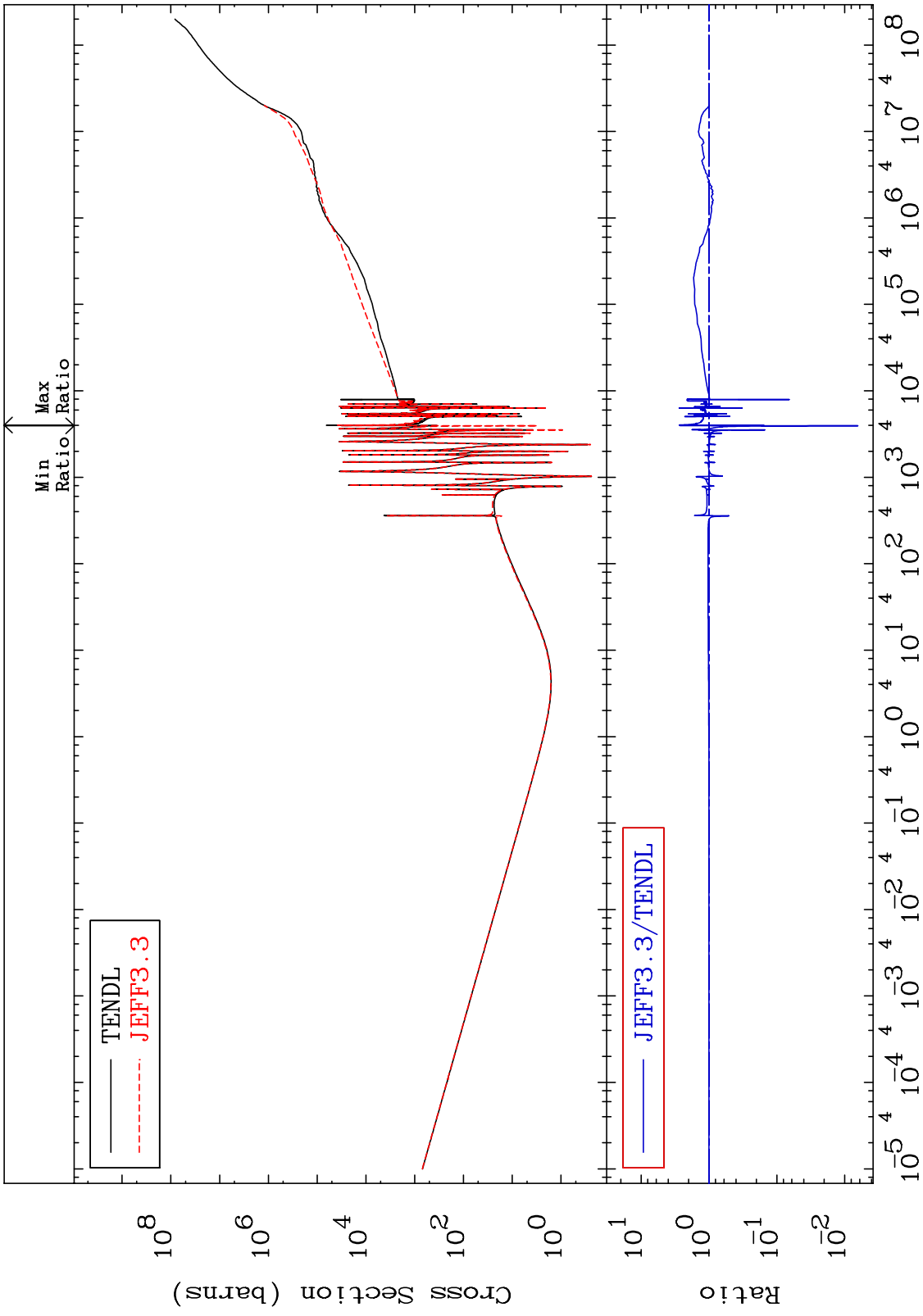
MAT 6037

Total photon (eV-barns)
Cross Section

60-Nd-146
-97.63 To 9999. %



MAT 6037 Total kinematic kerma (high limit) 60-Nd-146
Cross Section -99.36 To 176.6 %

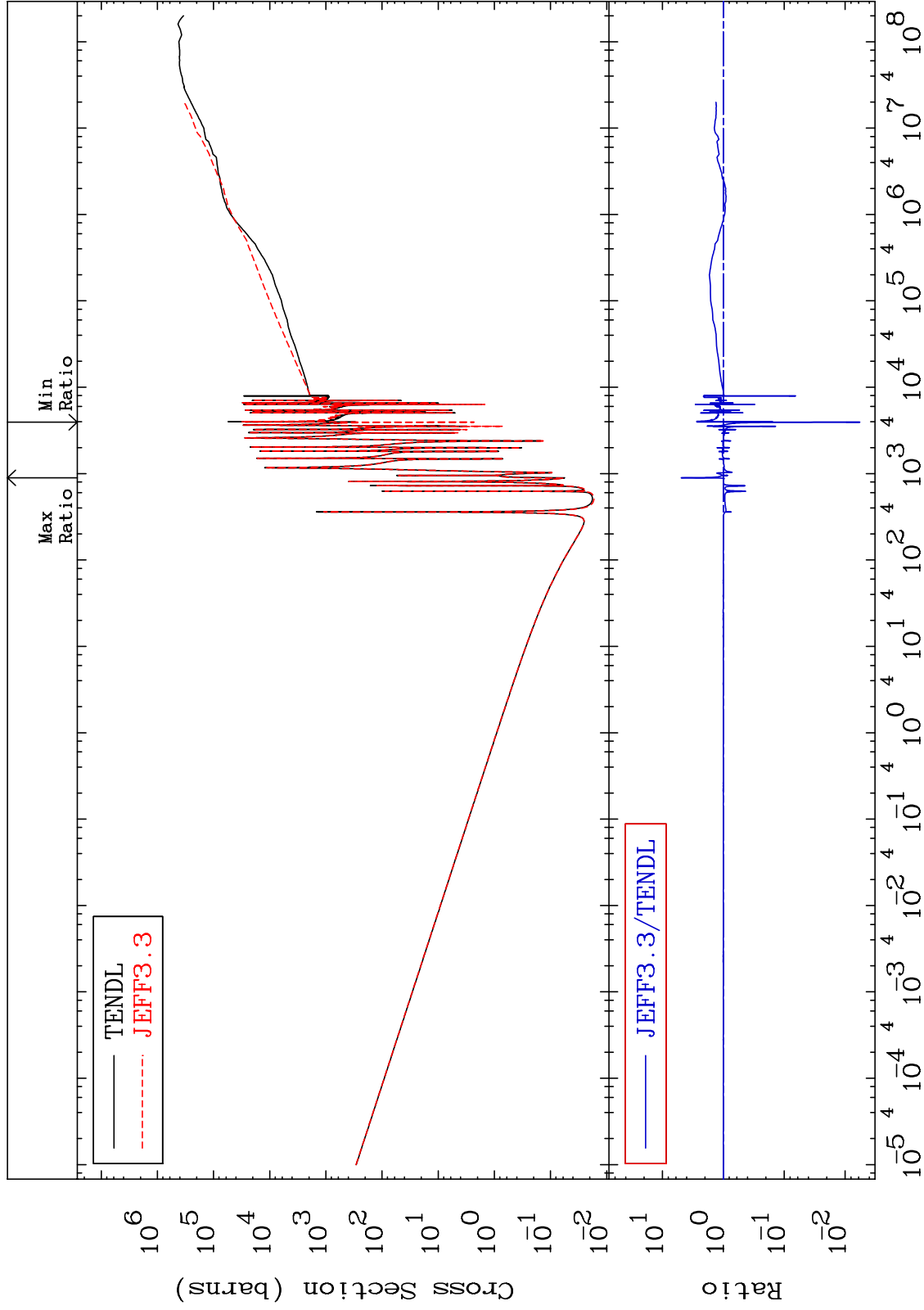


45 Incident Energy (eV) 60-Nd-146

MAT 6037

Dpa total (eV-barns)
Cross Section

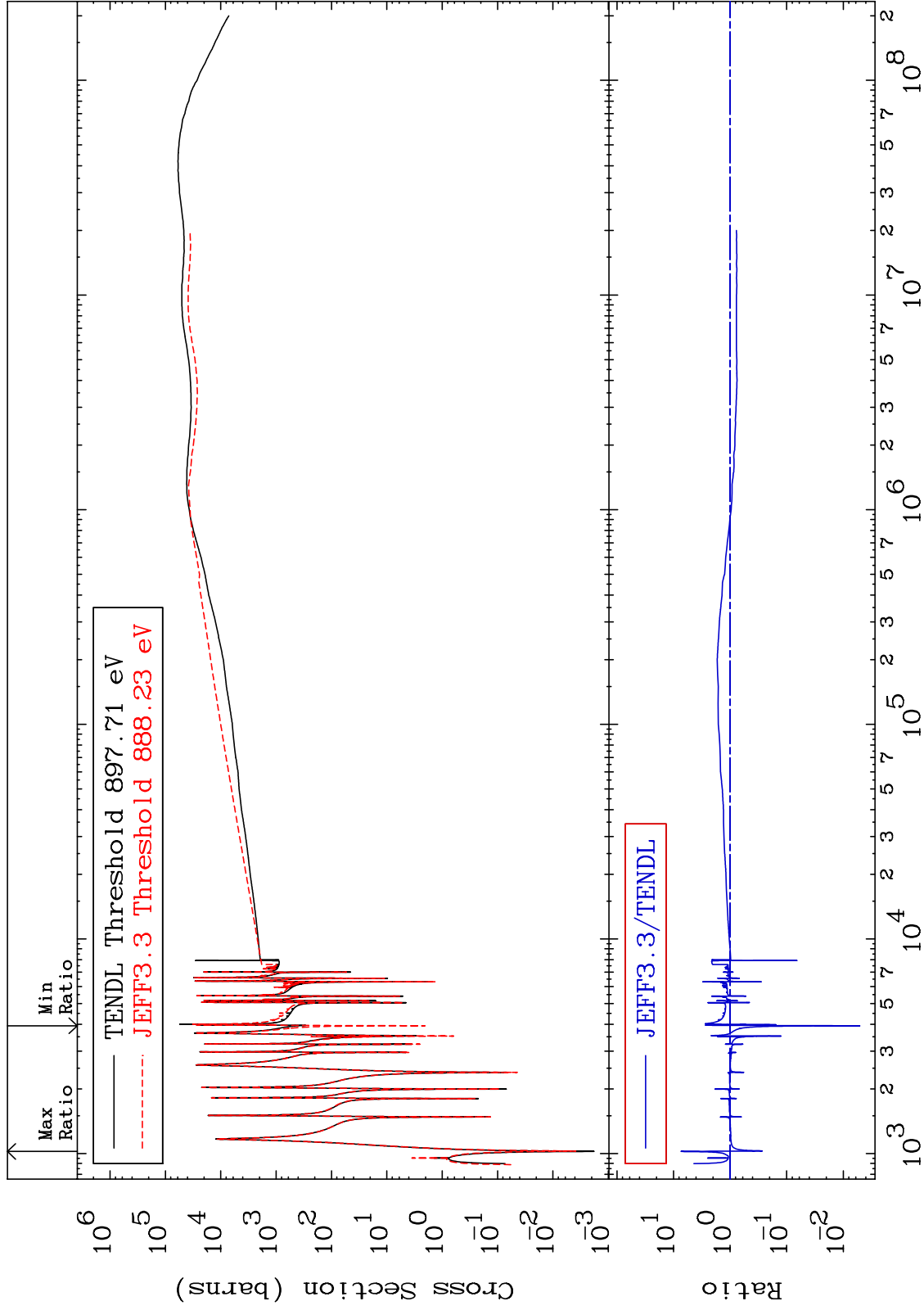
60-Nd-146
-99.42 To 390.9 %



MAT 6037

Dpa elastic (mt2)
Cross Section

60-Nd-146
-99.49 To 631.8 %

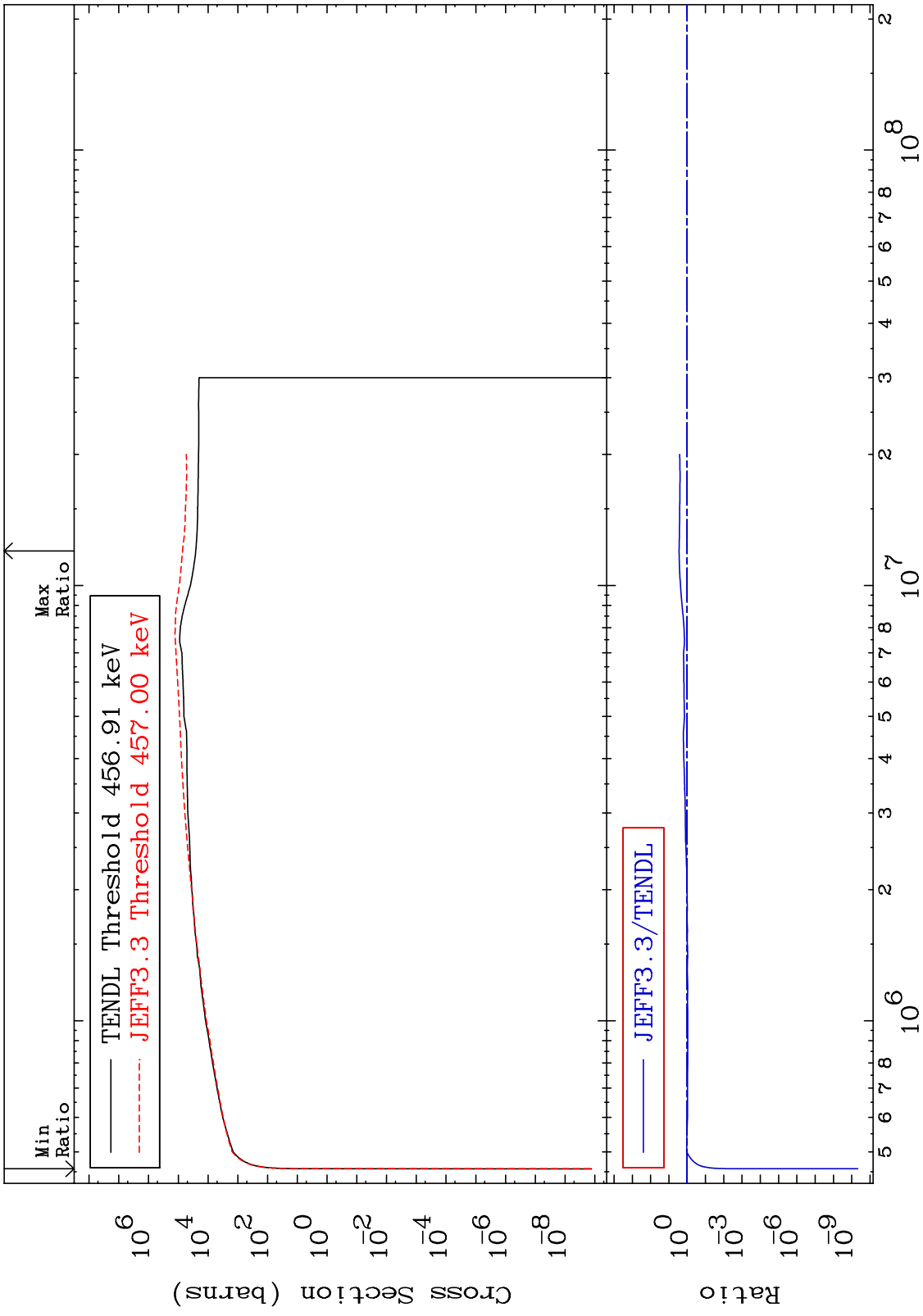


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60-Nd-146

60-Nd-146

MAT 6037 Dpa inelastic (mt51-91) 60-Nd-146
 Cross Section -100.0 To 178.3 %



MAT 6037

Dpa disappearance (mt102 -120)
Cross Section

60-Nd-146
-97.63 To 9999. %

