

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

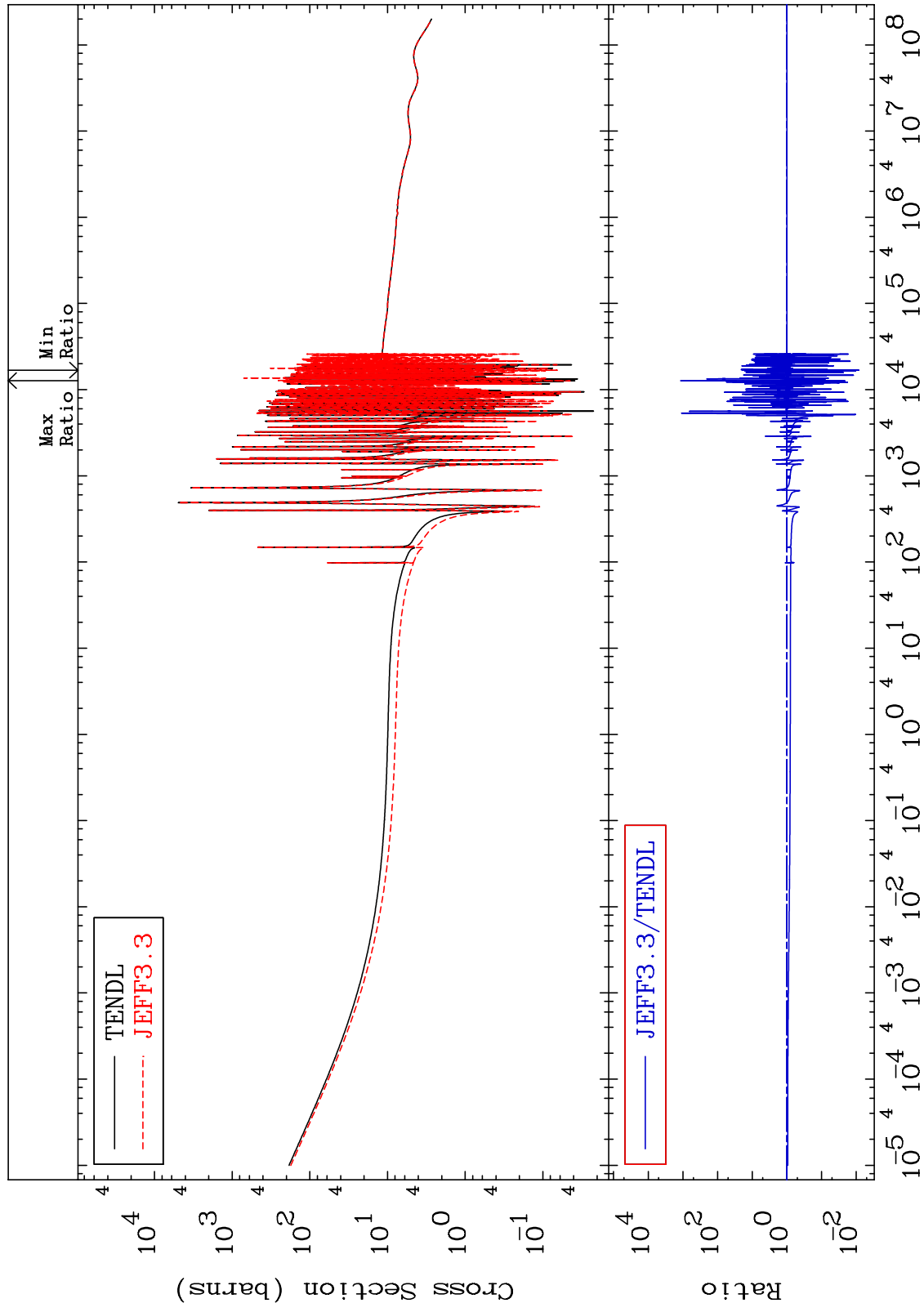
MAT 7049

Total

70-Yb-176

Cross Section

-99.17 To 9999. %



1

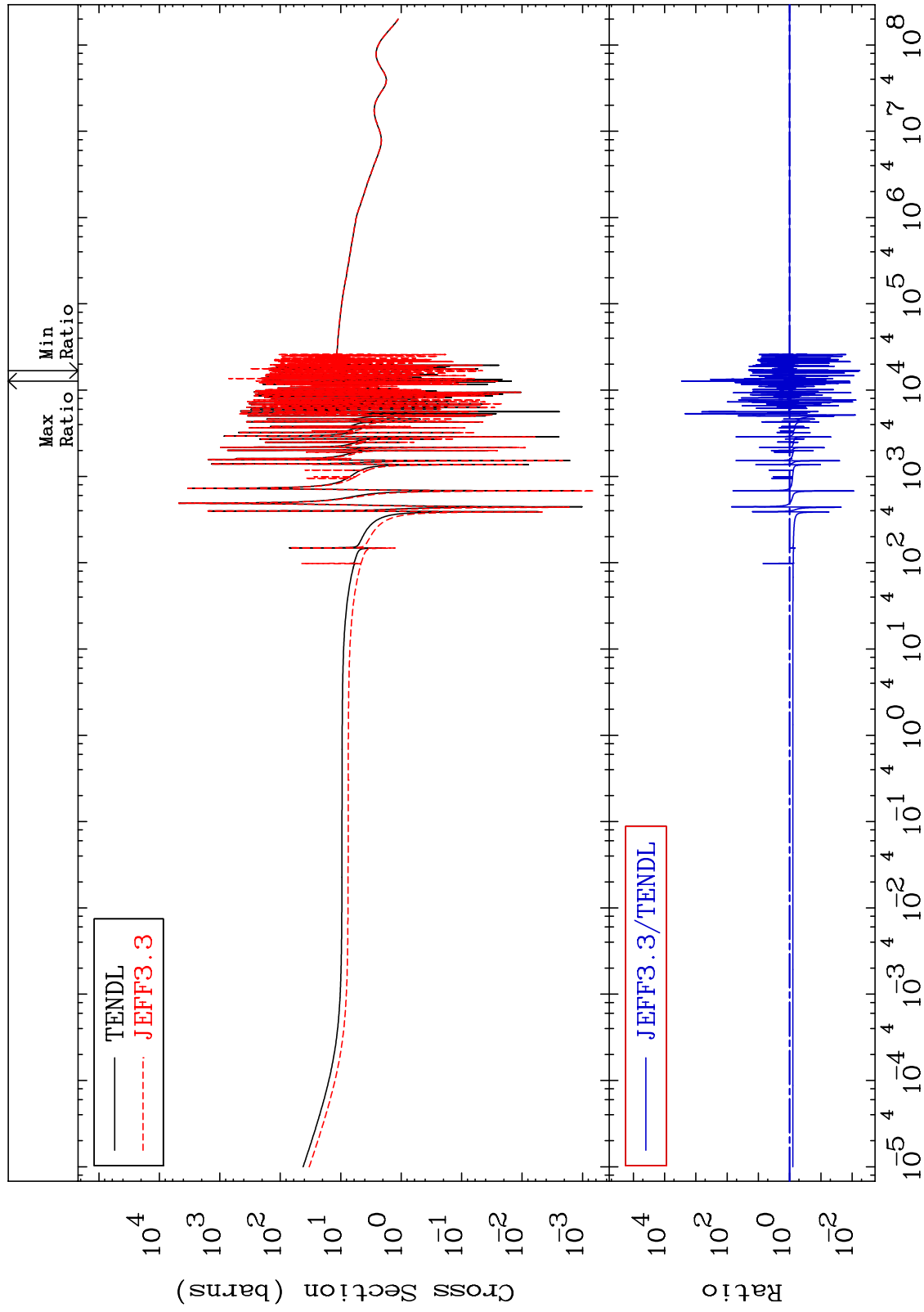
Incident Energy (eV)

70-Yb-176

MAT 7049

Elastic
Cross Section

70-Yb-176
-99.43 To 9999. %

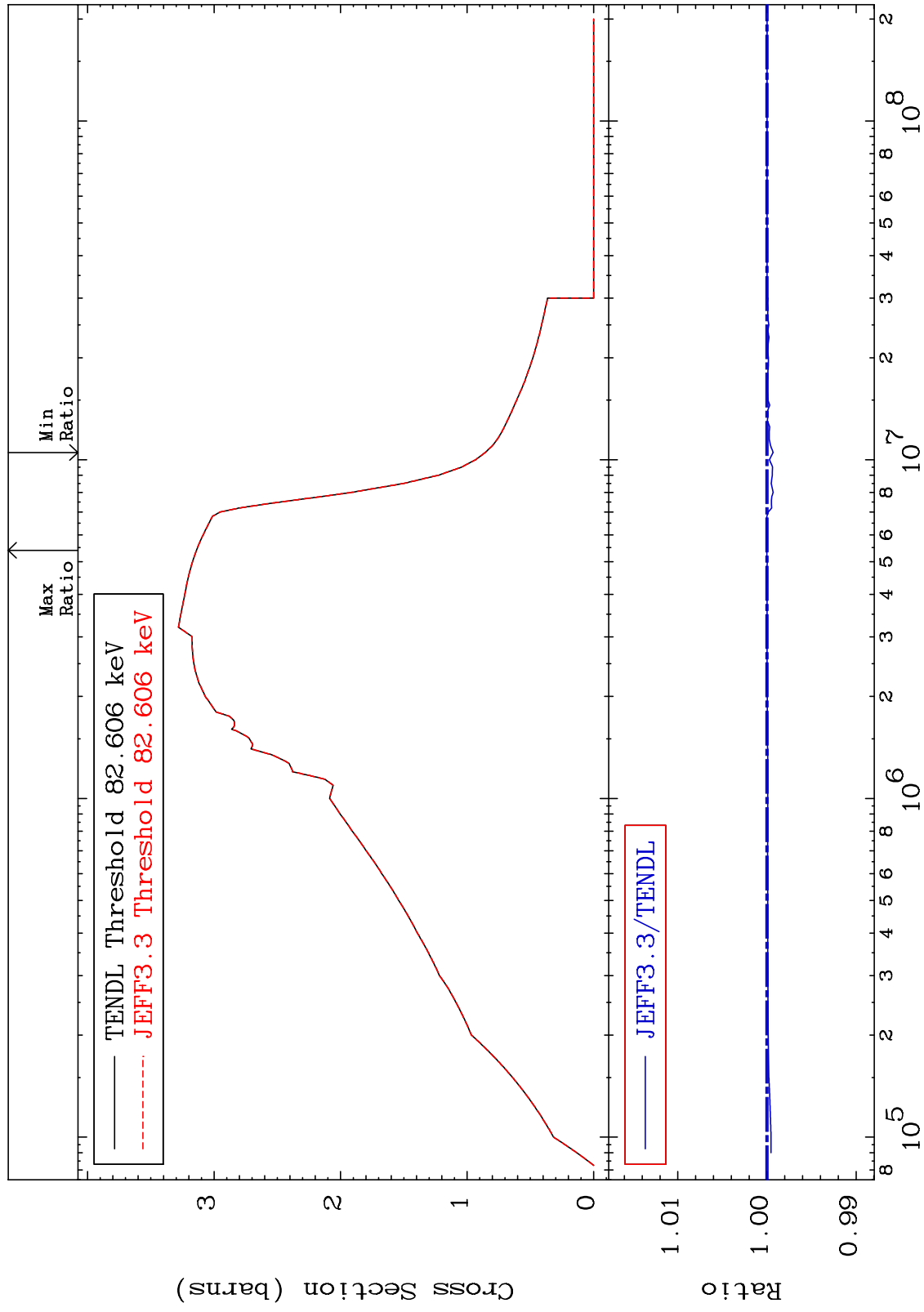


2

Incident Energy (eV)

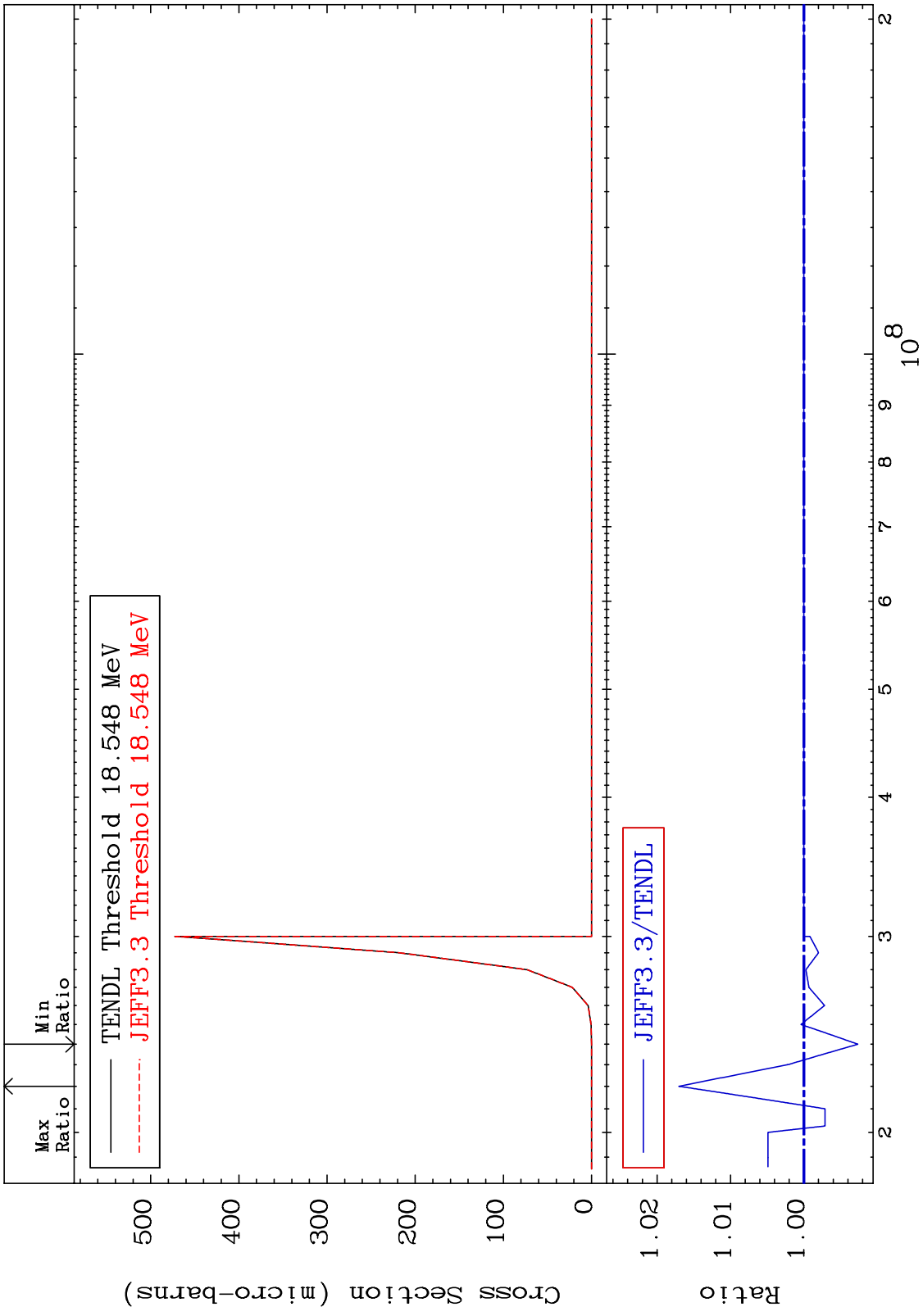
70-Yb-176

MAT 7049 Inelastic Cross Section 70-Yb-176 -0.069 To 0.002 %



3 Incident Energy (eV) 70-Yb-176

MAT 7049 (n,2n) d 70-Yb-176
Cross Section -0.735 To 1.701 %

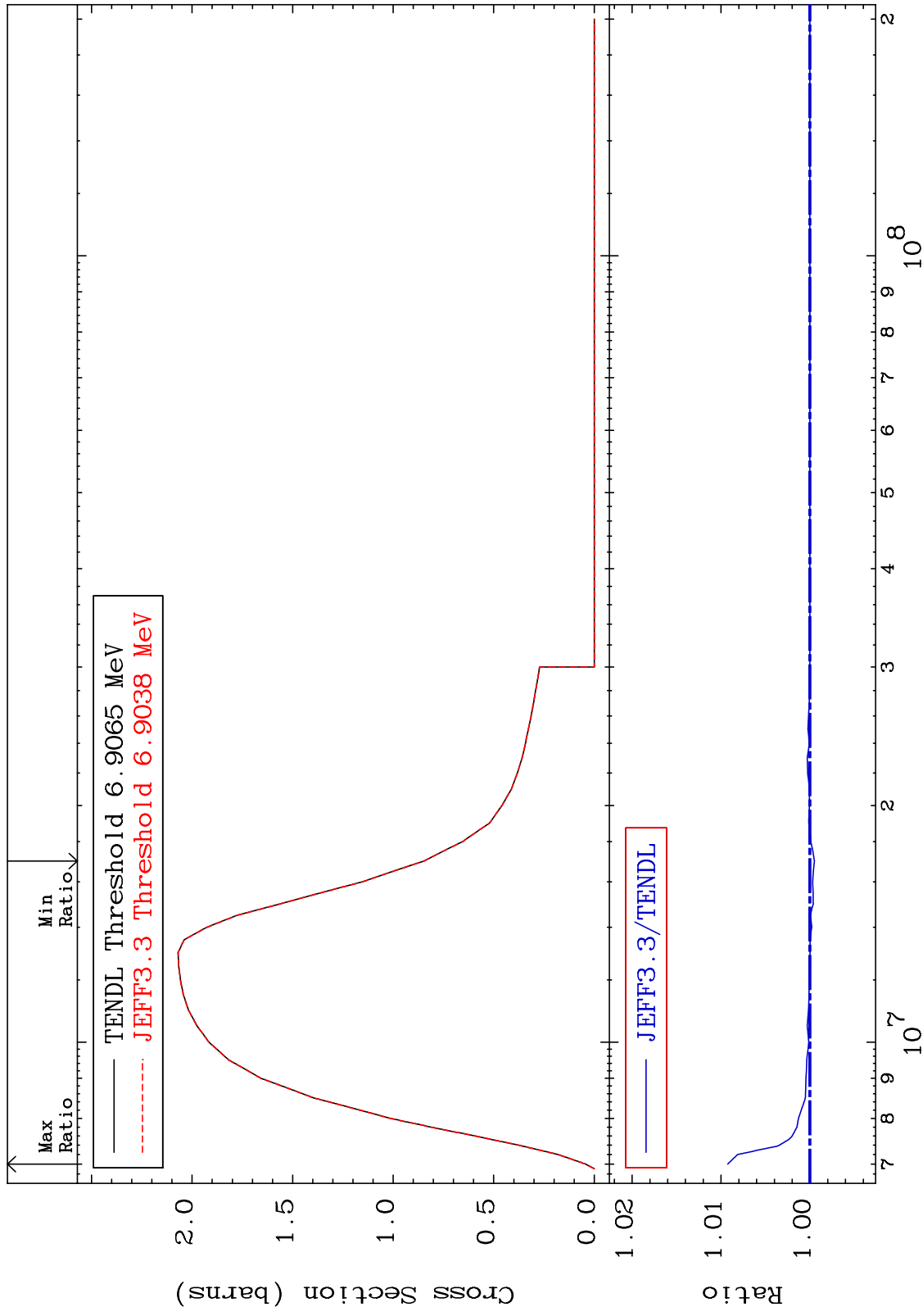


MAT 7049

(n,2n)

⁷⁰Yb-176

Cross Section -0.049 To 0.925 %

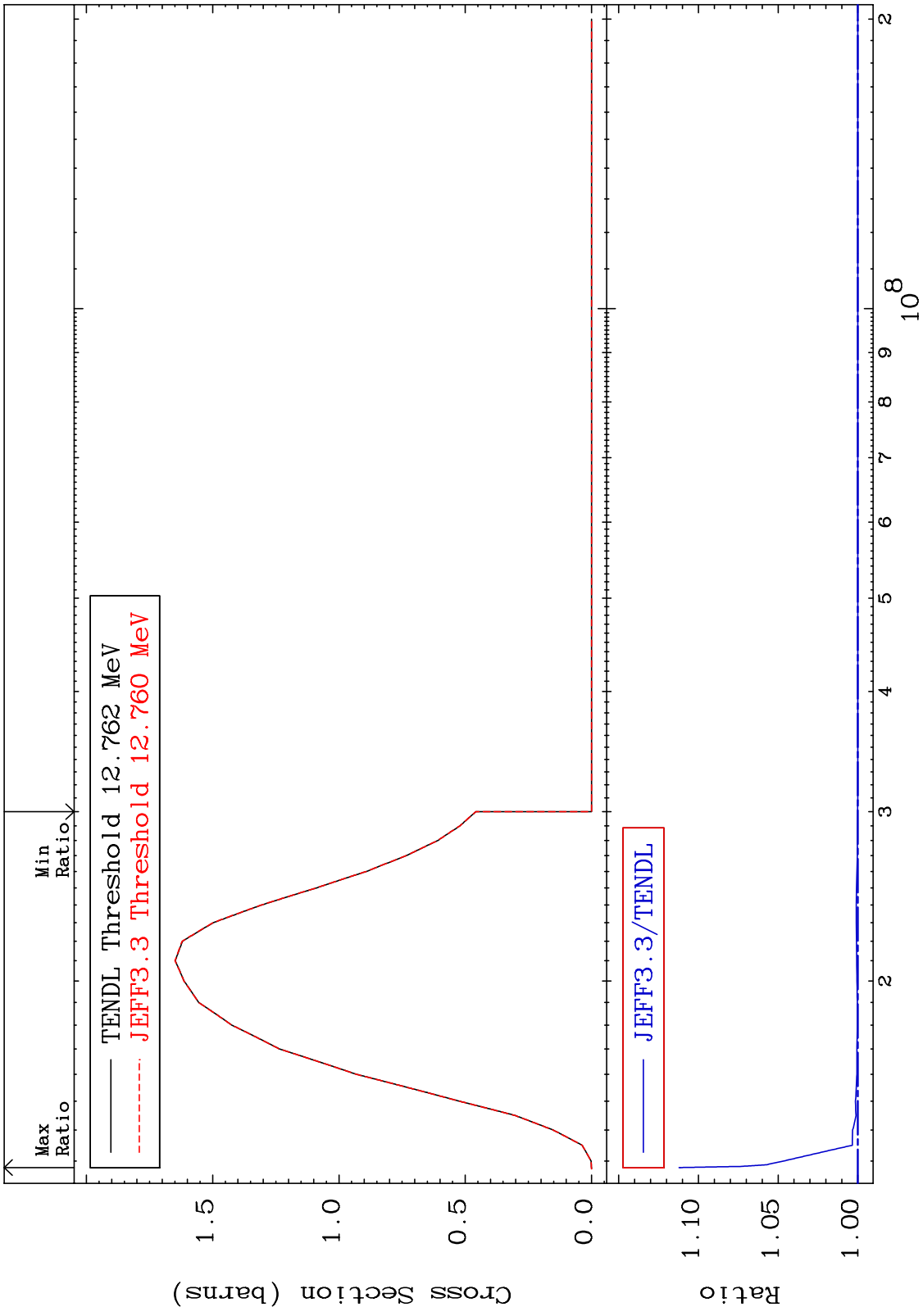


5

Incident Energy (eV)

⁷⁰Yb-176

MAT 7049 (n,3n) Cross Section 70-Yb-176
0.000 To 11.21 %



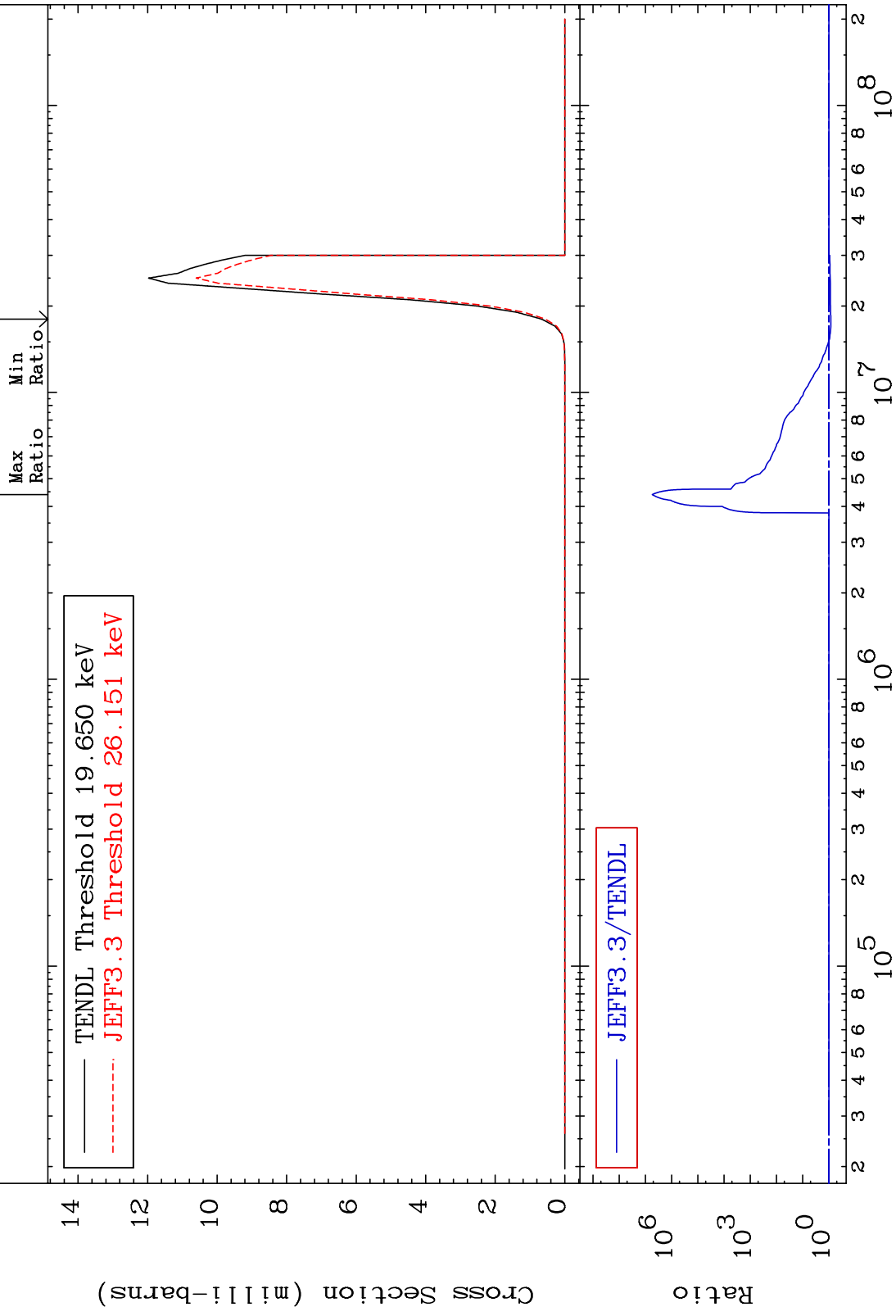
MAT 7049

$(n, n') \alpha$

70-Yb-176

-16.73 To 9999. %

Cross Section



7

Incident Energy (eV)

70-Yb-176

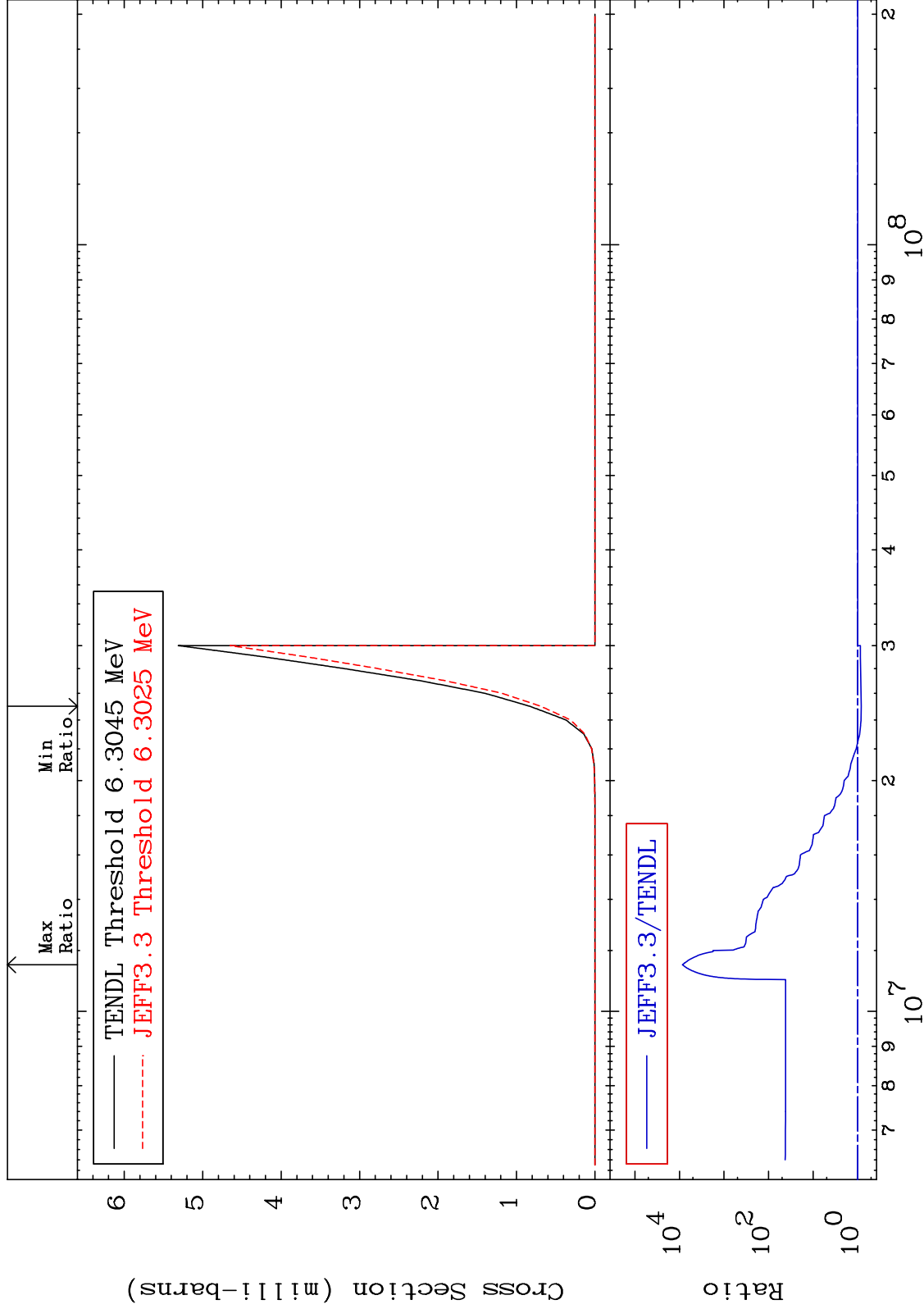
MAT 7049

(n,2n) α

70-Yb-176

Cross Section

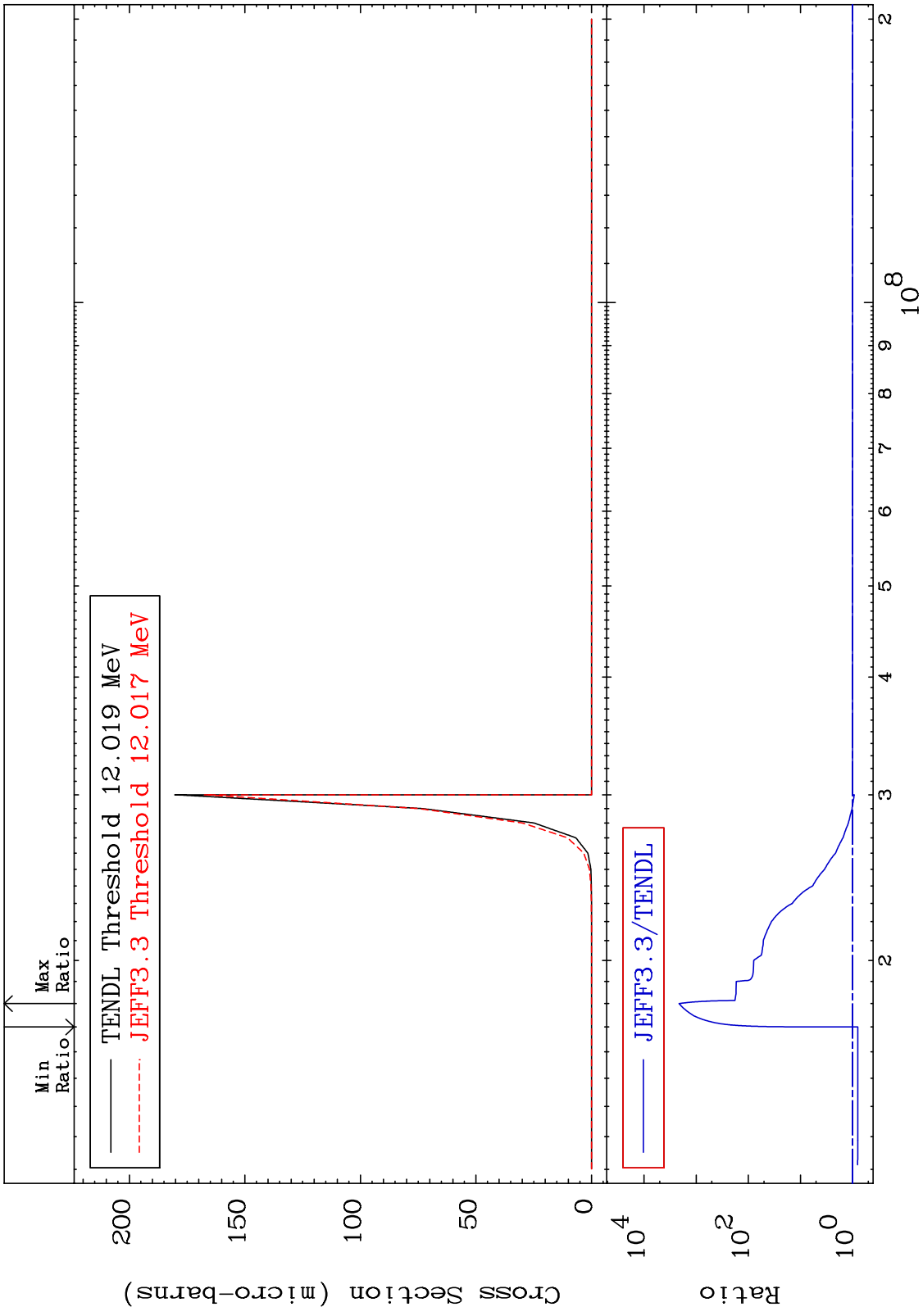
-16.71 To 9999. %



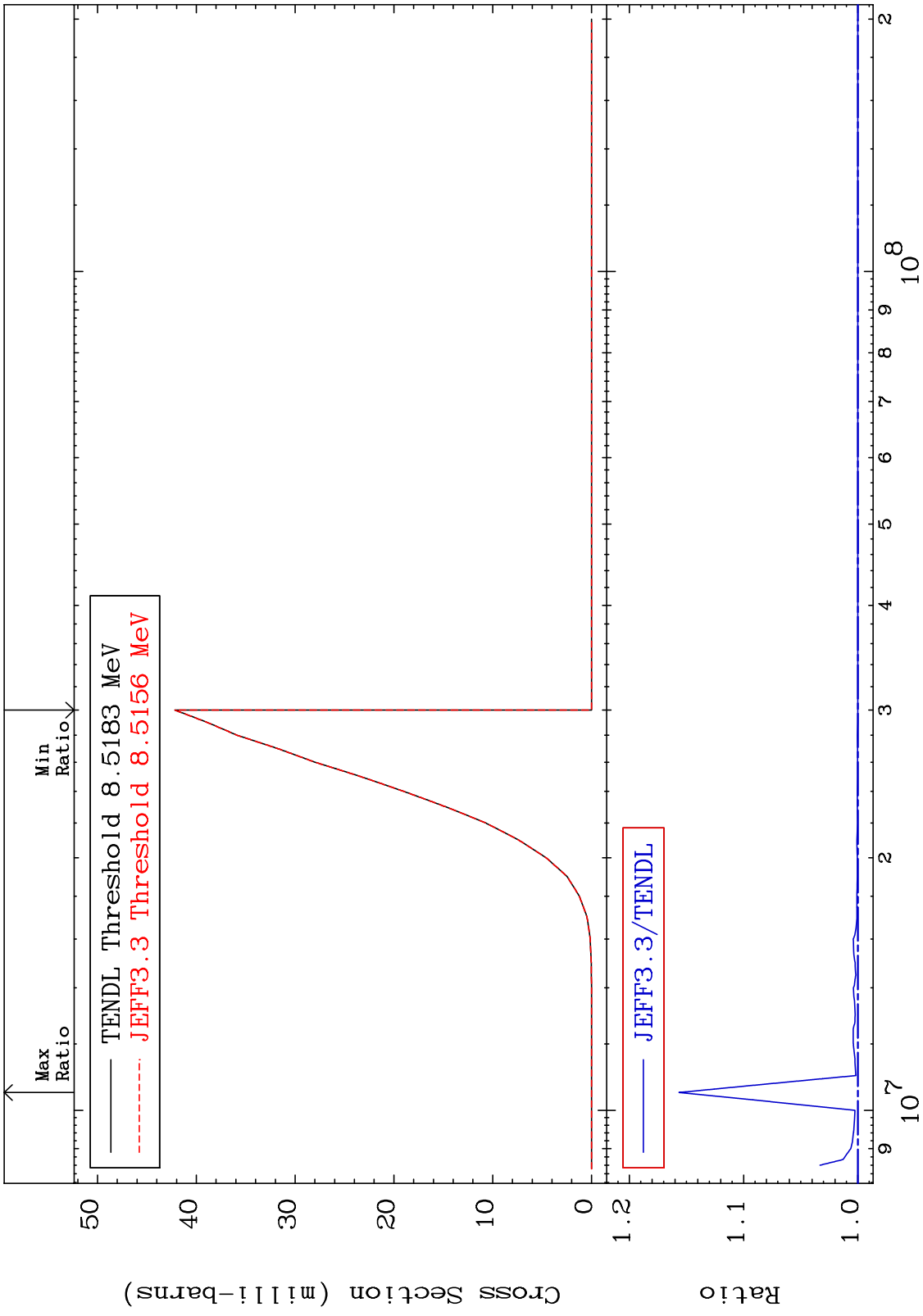
8

Incident Energy (eV)

70-Yb-176

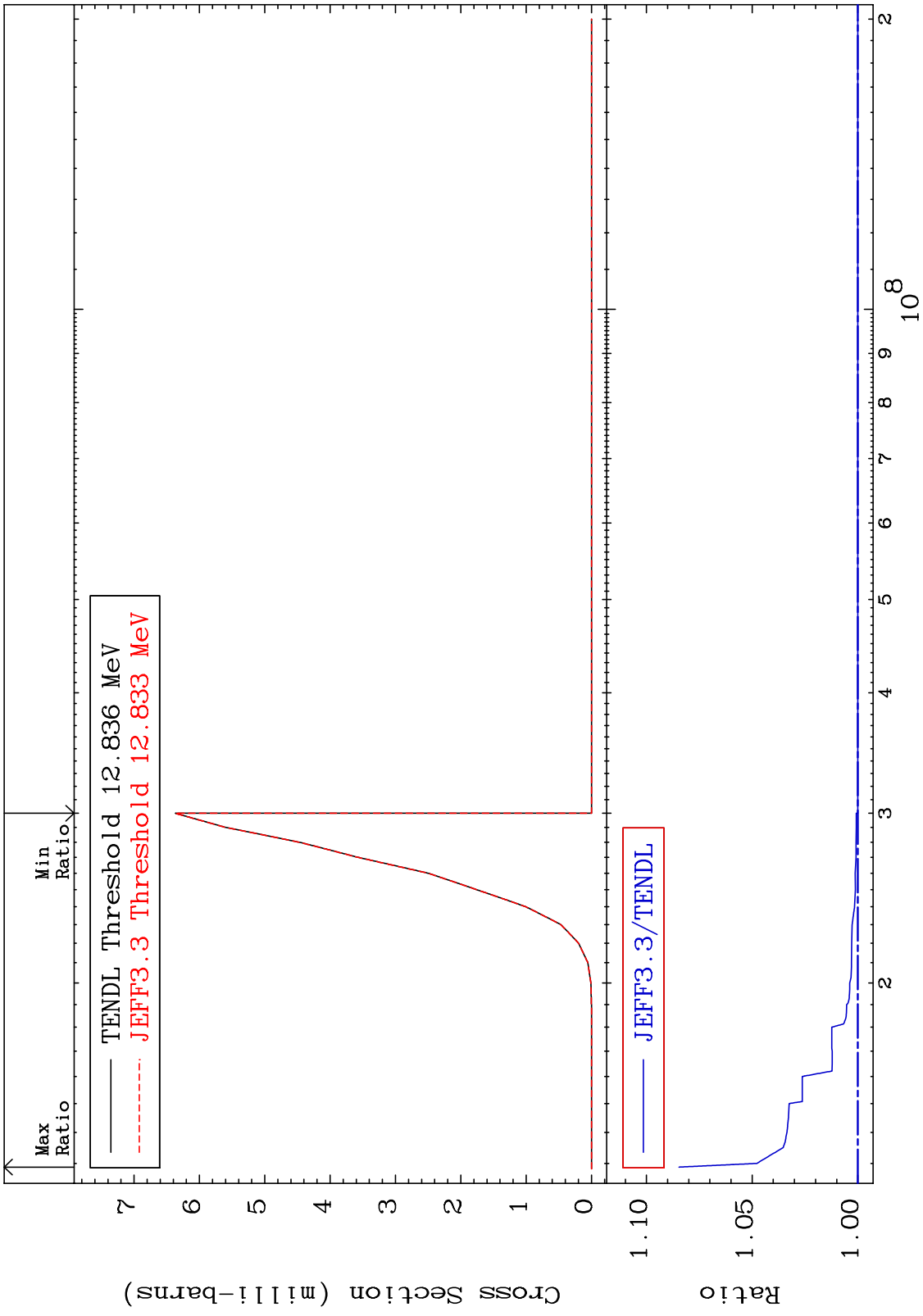


MAT 7049 (n, n') p Cross Section 70-Yb-176 To 15.65 %



70-Yb-176 Incident Energy (eV)

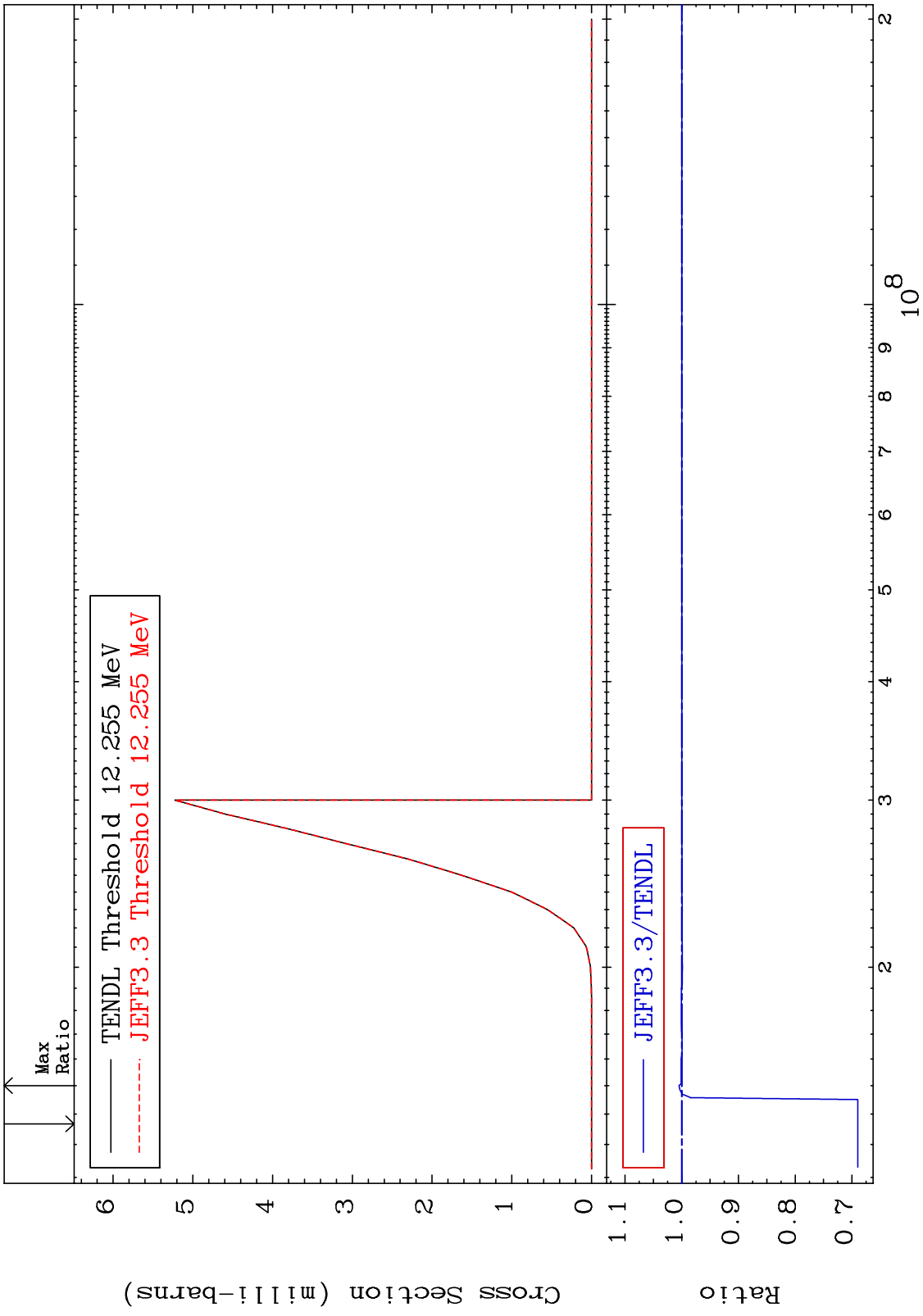
MAT 7049 (n, n') d 70-Yb-176
 Cross Section 0.000 To 8.460 %



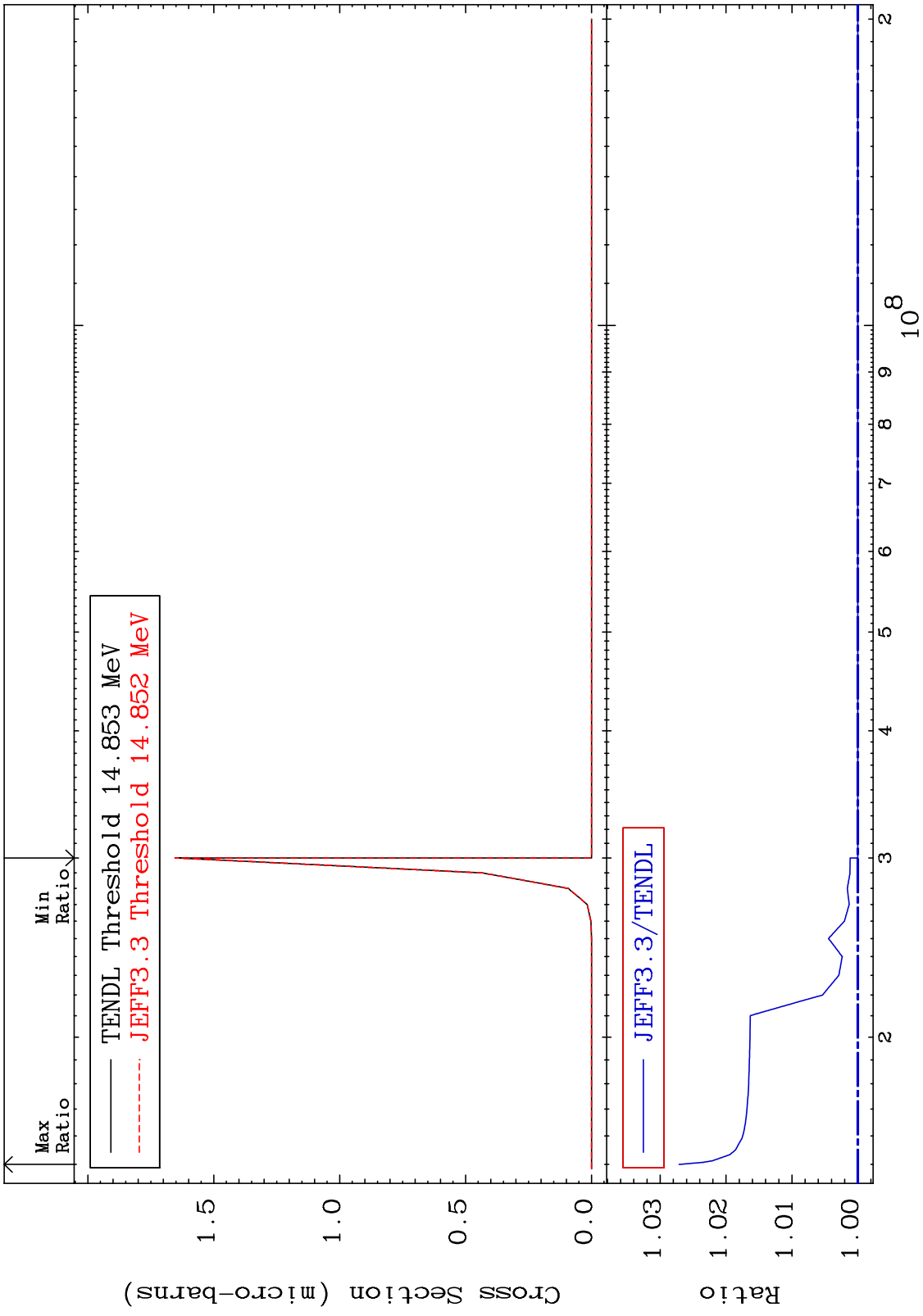
70-Yb-176

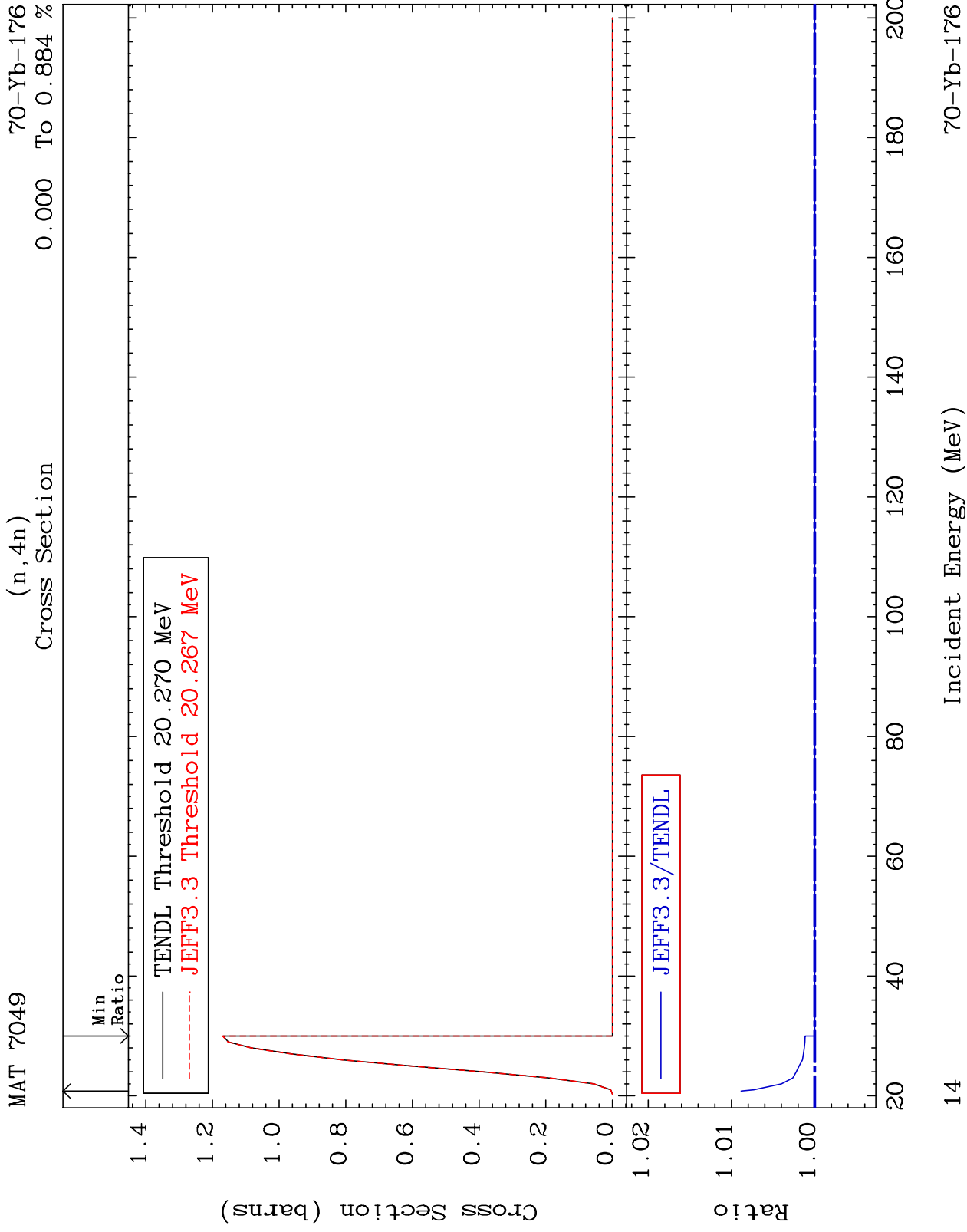
Incident Energy (eV)

MAT 7049 (n,n') t 70-Yb-176
 Cross Section -31.05 To 0.479 %

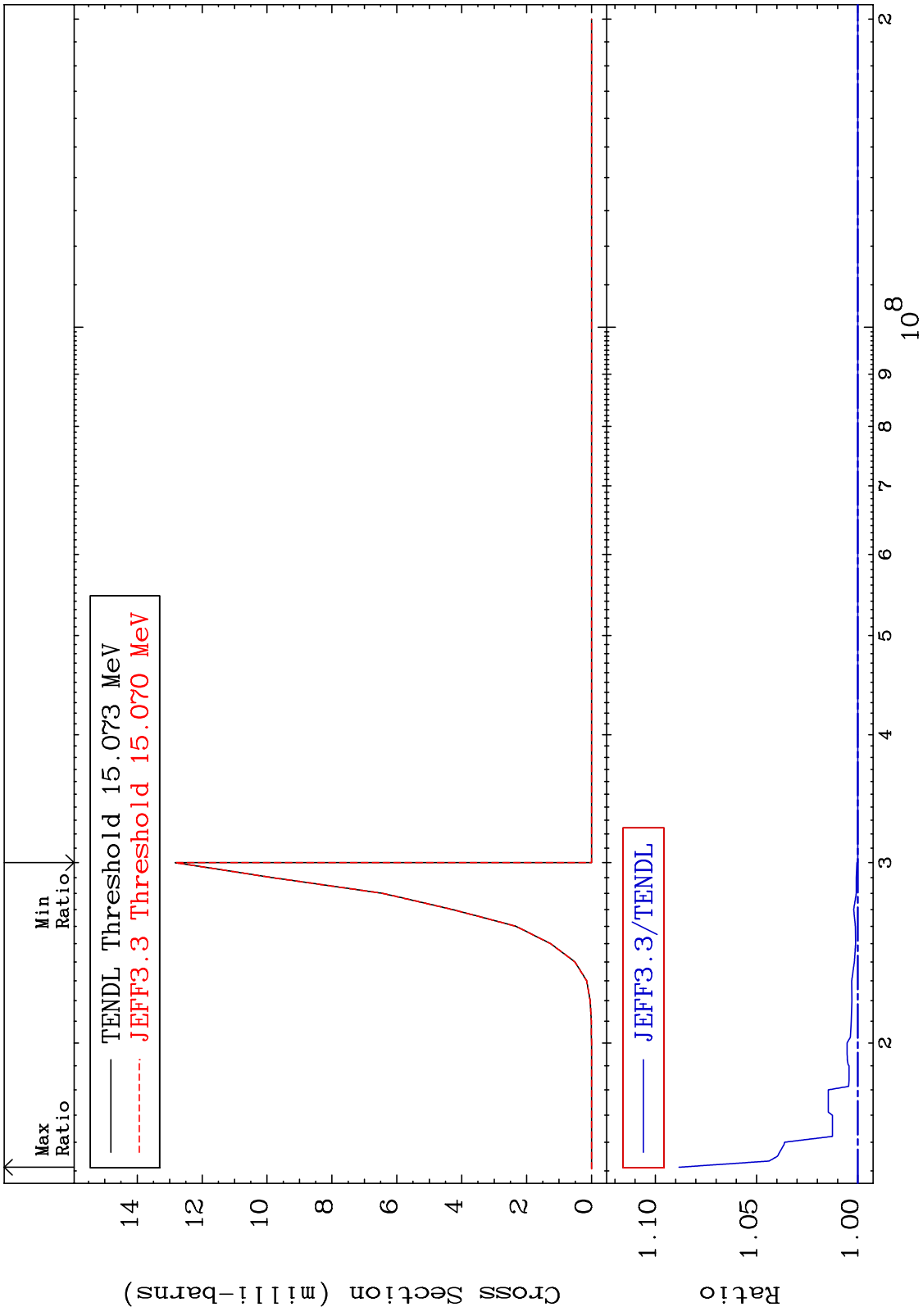


MAT 7049 (n, n') He-3 Cross Section 70-Yb-176 To 2.714 %
 0.000

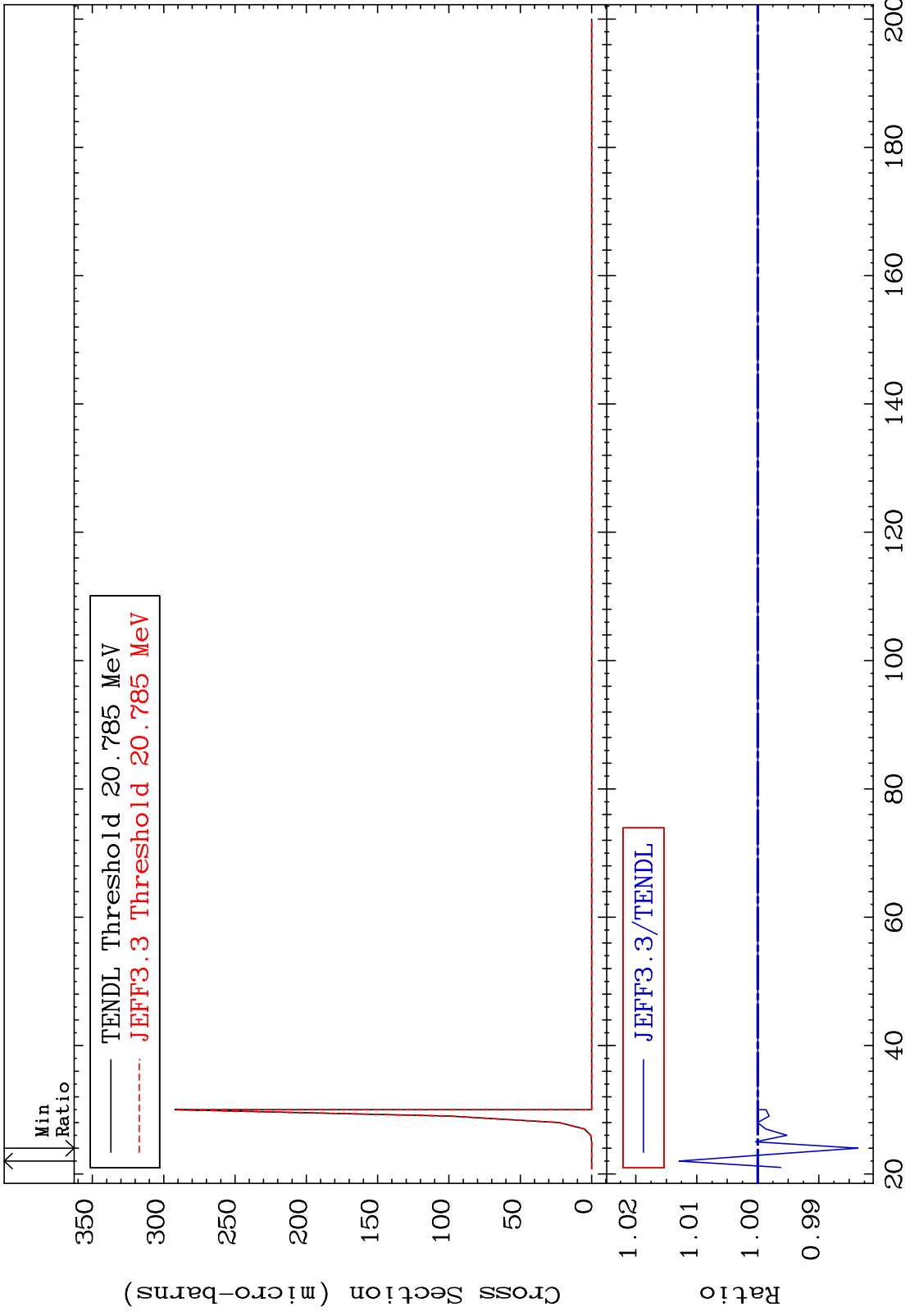




MAT 7049 (n,2n) p 70-Yb-176
 Cross Section 0.000 To 8.830 %



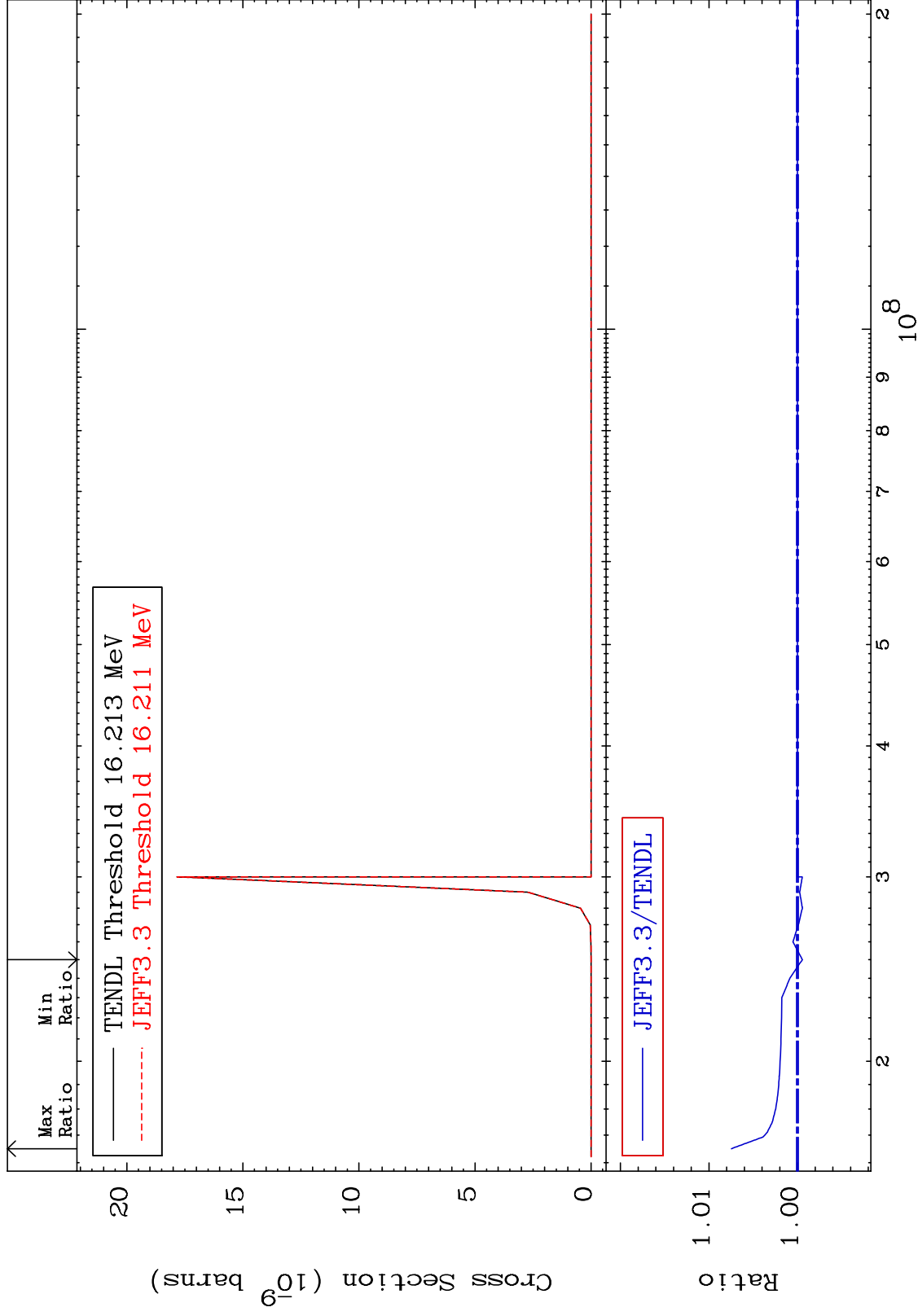
MAT 7049 (n,3n) p 70-Yb-176
Cross Section -1.644 To 1.289 %



MAT 7049

(n,2n) p
Cross Section

70-Yb-176
-0.055 To 0.747 %

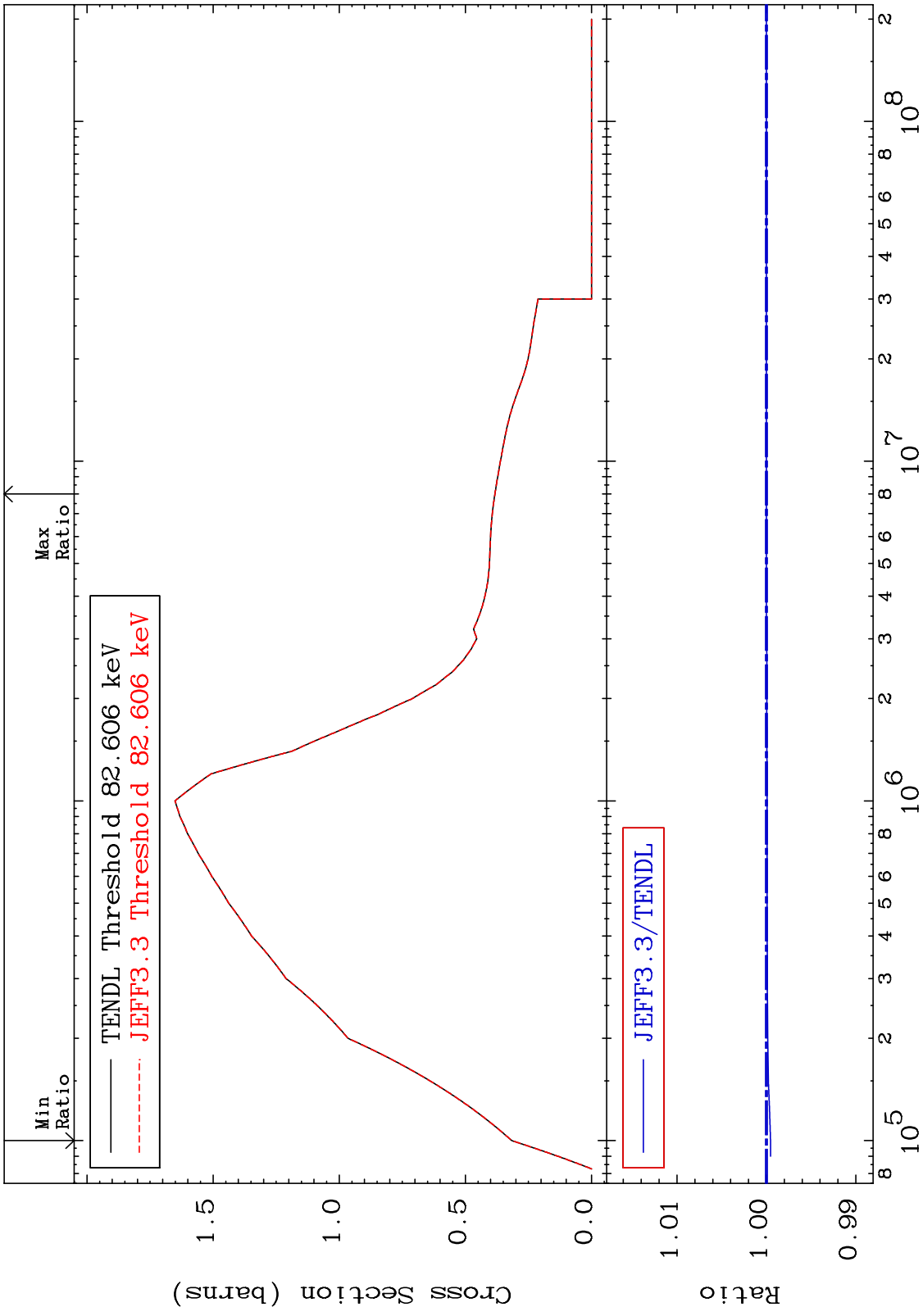


17

Incident Energy (eV)

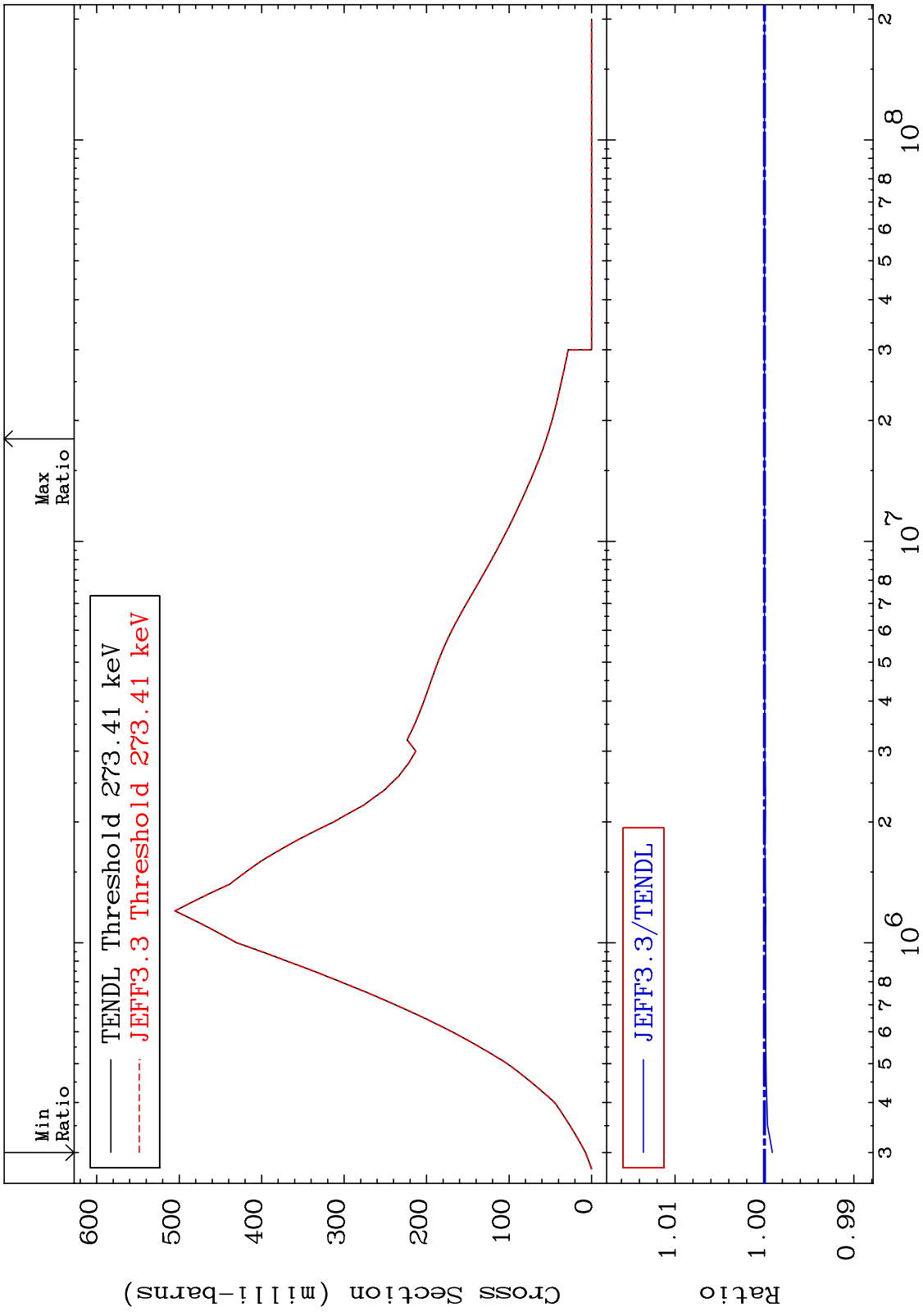
70-Yb-176

MAT 7049 MT= 51 (n,n') Level Cross Section 70-Yb-176 -0.046 To 0.000 %

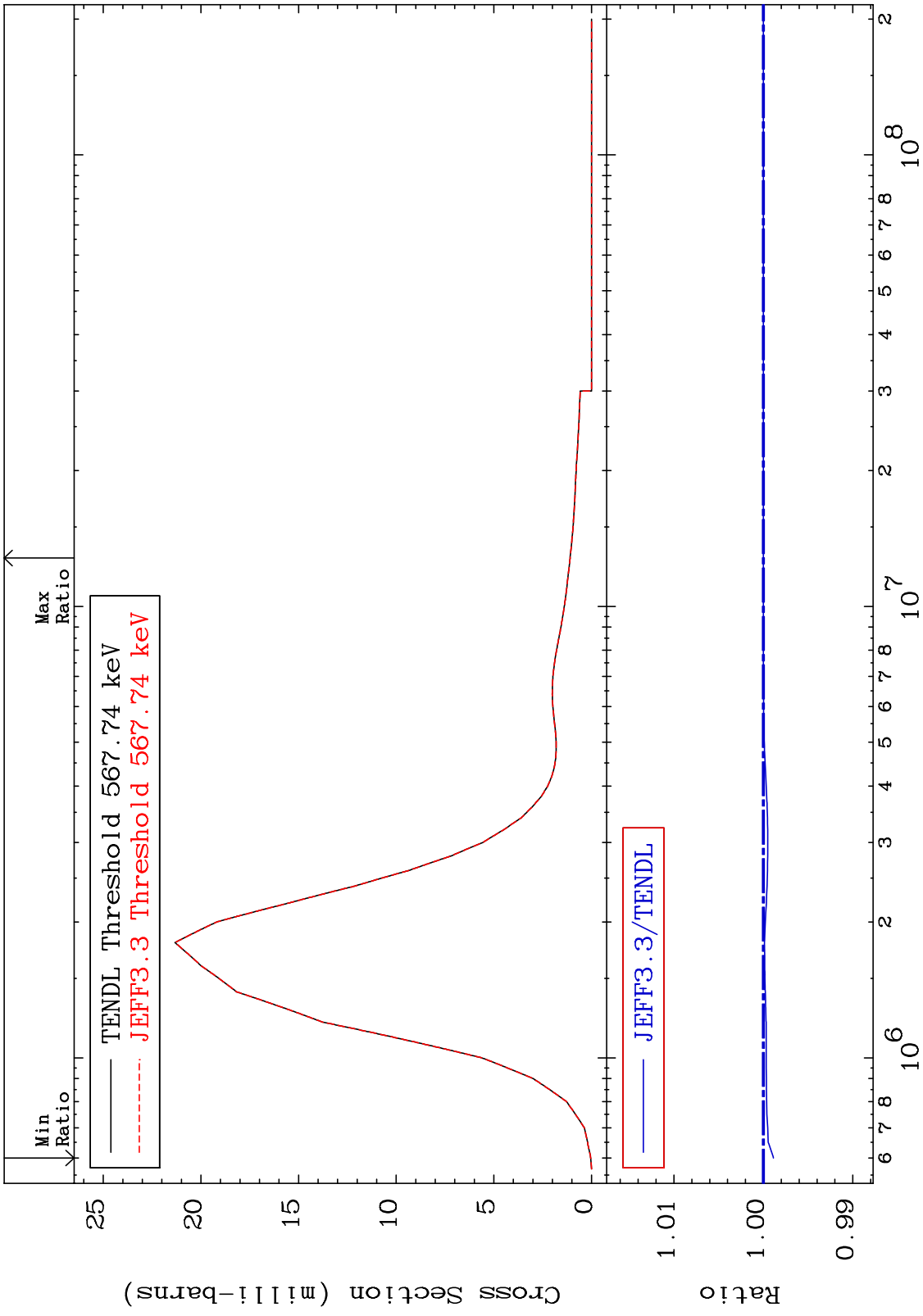


18 Incident Energy (eV) 70-Yb-176

MAT 7049 MT= 52 (n,n') Level Cross Section 70-Yb-176 -0.088 To 0.000 %

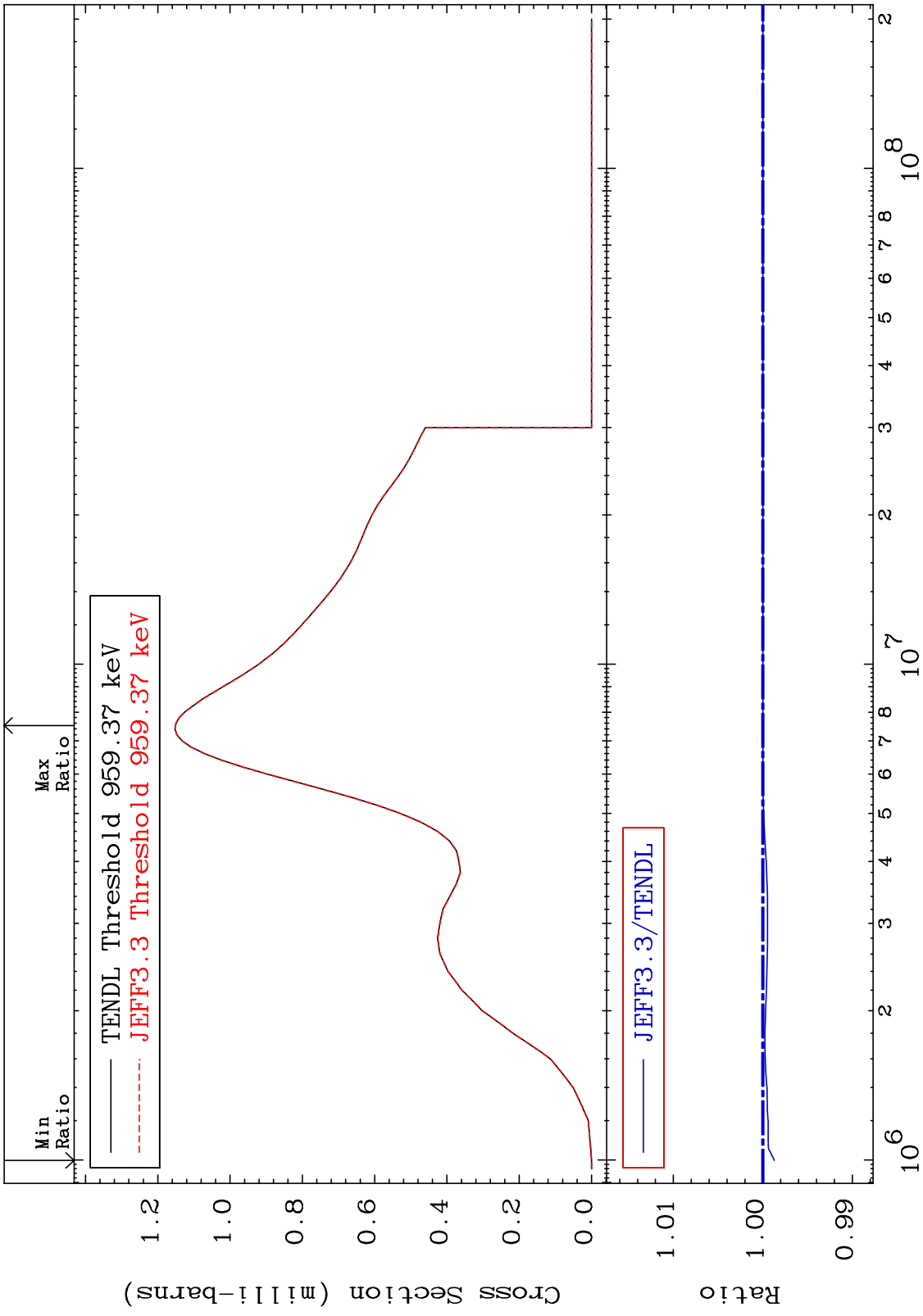


MAT 7049 MT= 53 (n, n') Level Cross Section -0.113 To 0.000 % 70-Yb-176



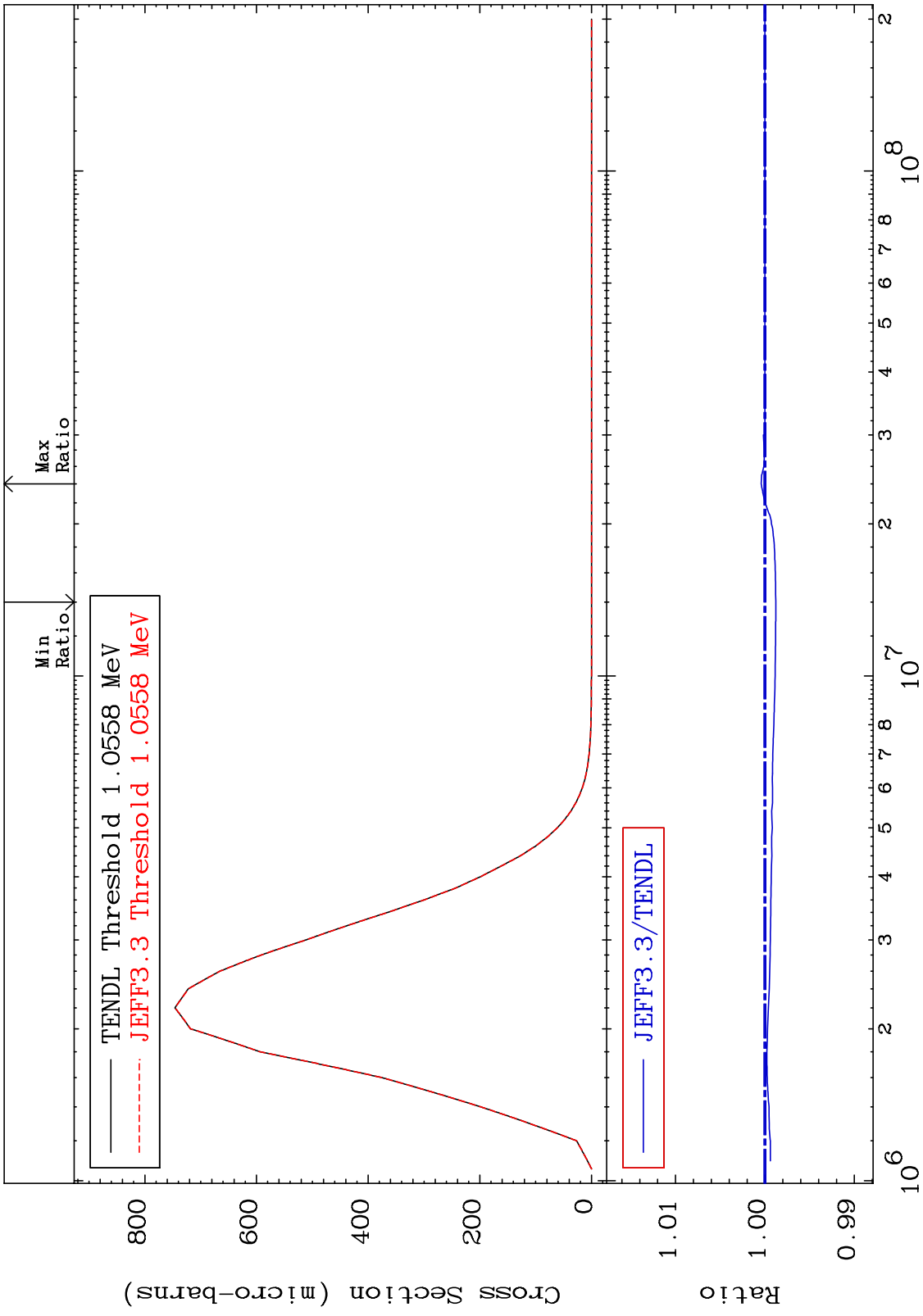
20 Incident Energy (eV) 70-Yb-176

MAT 7049 MT= 54 (n,n') Level Cross Section 70-Yb-176 -0.126 To 0.000 %

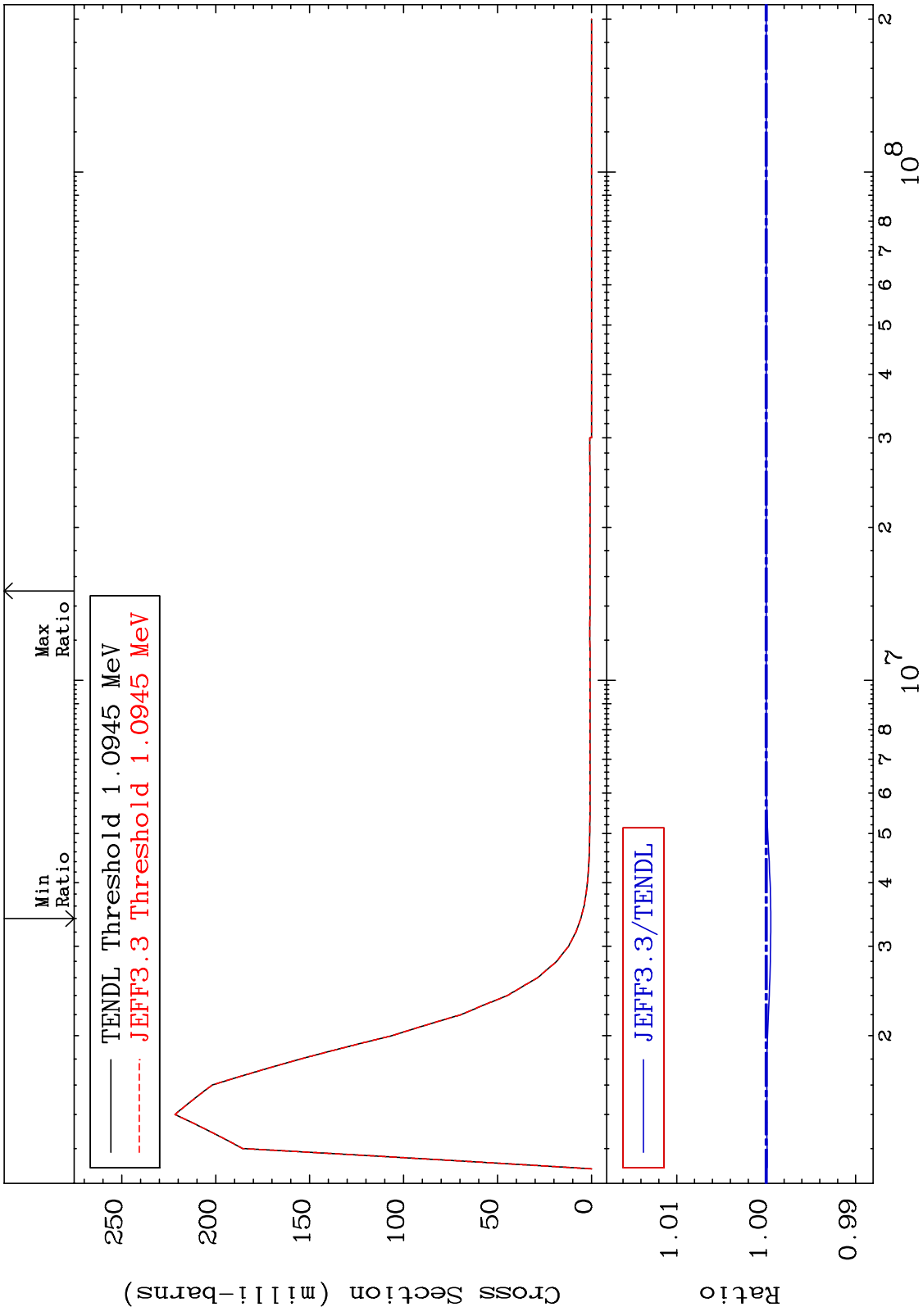


21 Incident Energy (eV) 70-Yb-176

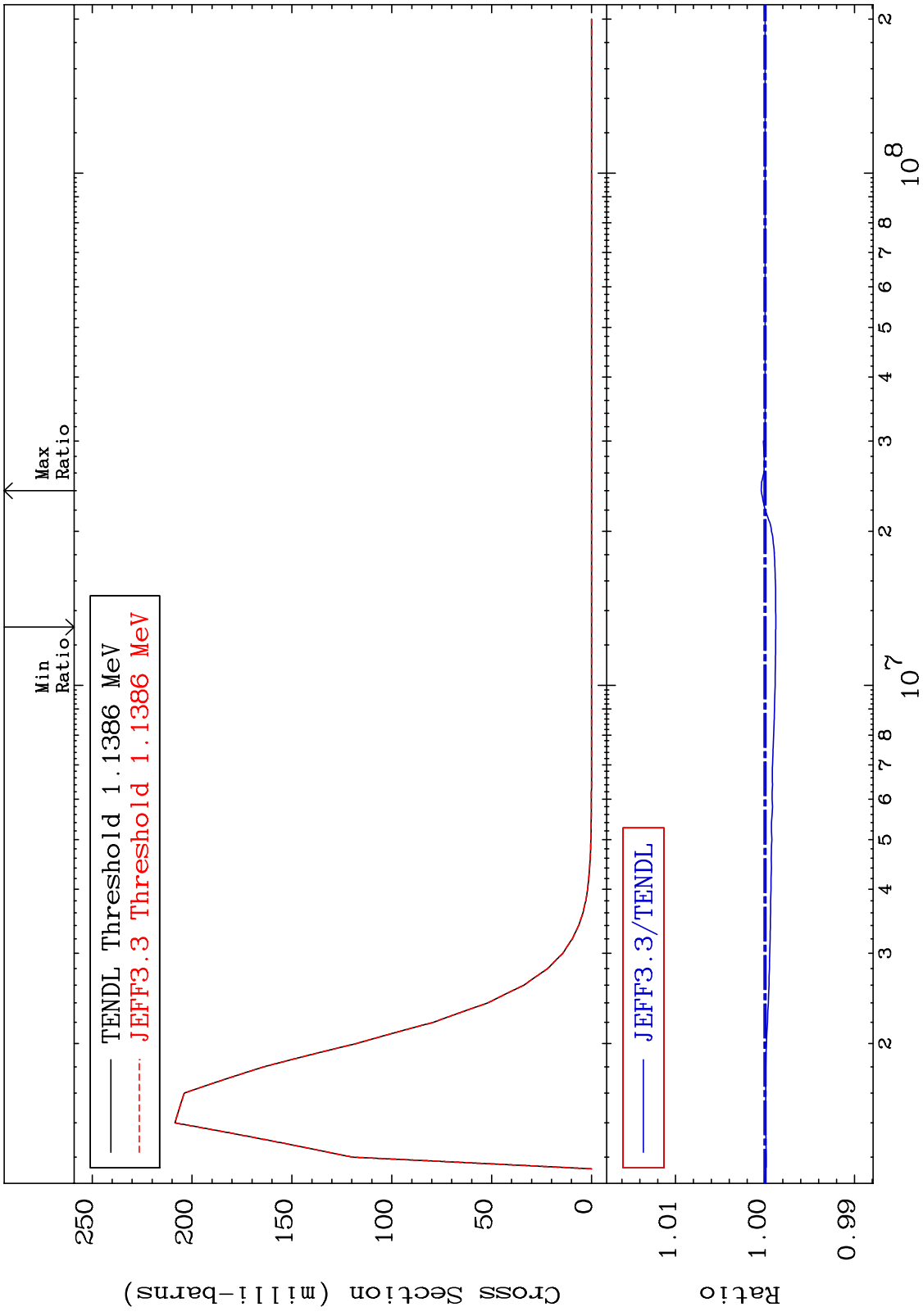
MAT 7049 MT= 55 (n,n') Level Cross Section 70-Yb-176
-0.120 To 0.043 %



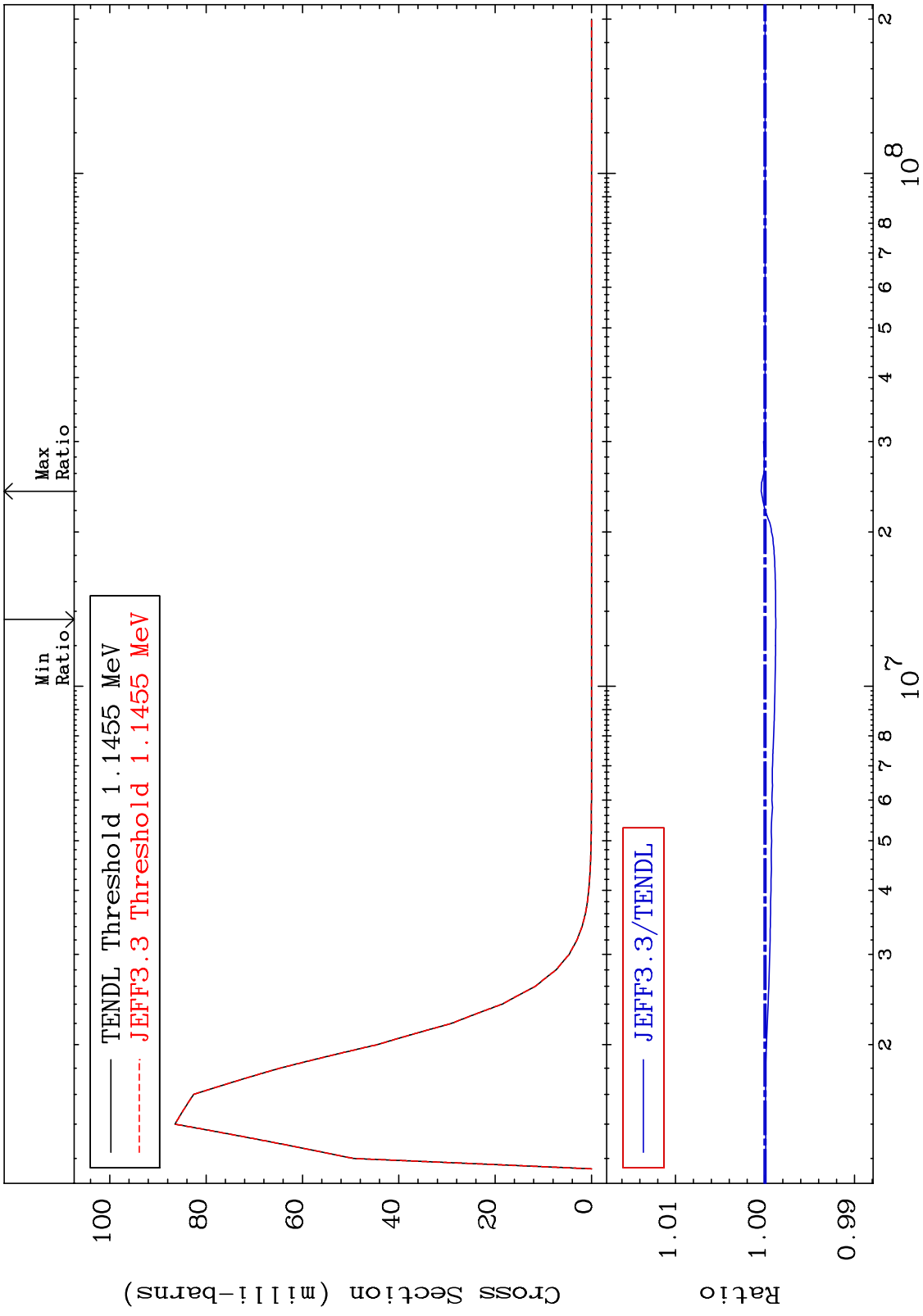
MAT 7049 MT= 56 (n,n') Level Cross Section 70-Yb-176
 -0.052 To 0.000 %



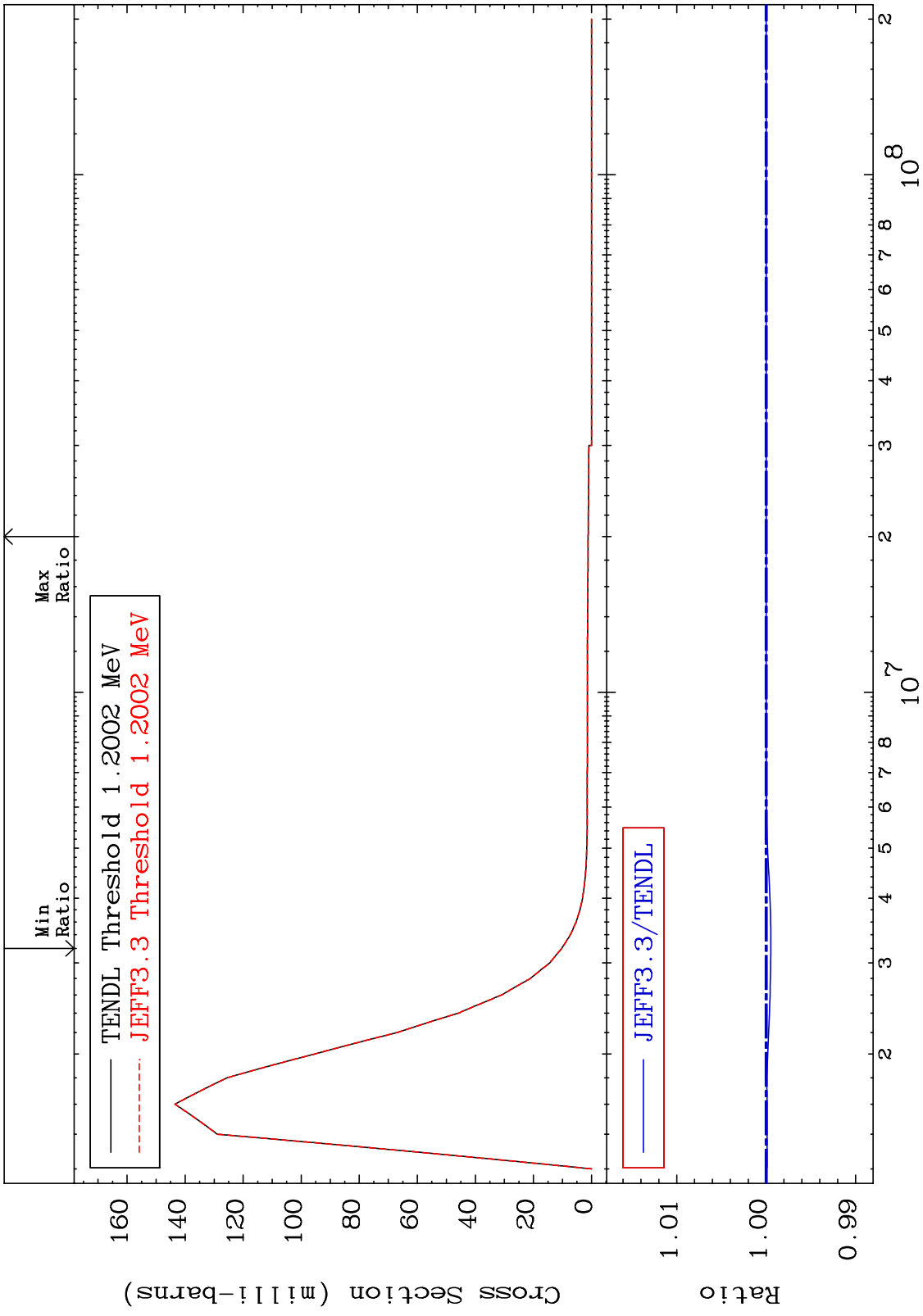
MAT 7049 MT= 57 (n,n') Level Cross Section -0.120 To 0.043 % 70-Yb-176



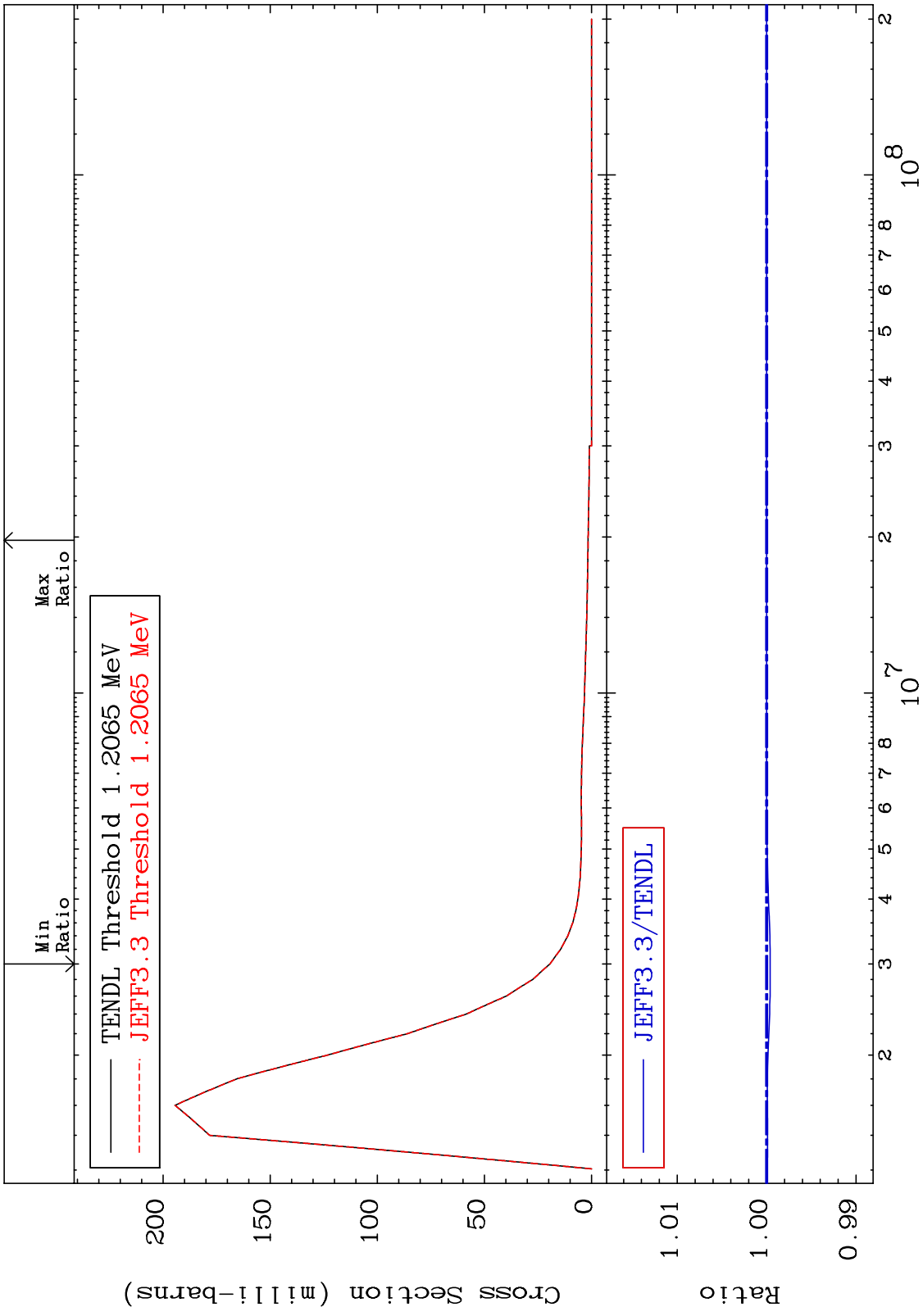
MAT 7049 MT= 58 (n,n') Level Cross Section 70-Yb-176
 -0.120 To 0.043 %



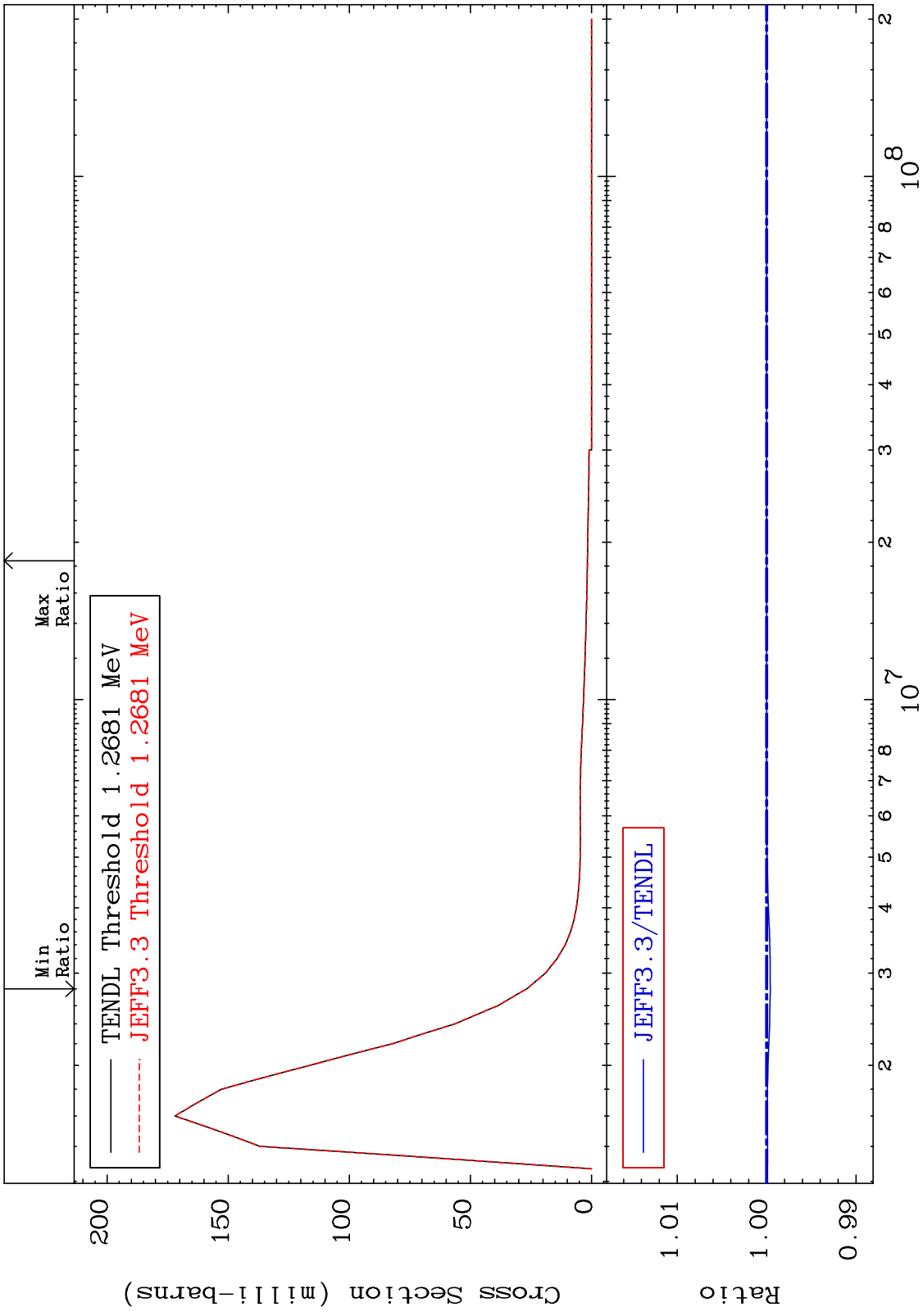
MAT 7049 MT= 59 (n, n') Level Cross Section -0.053 To 0.000 % 70-Yb-176



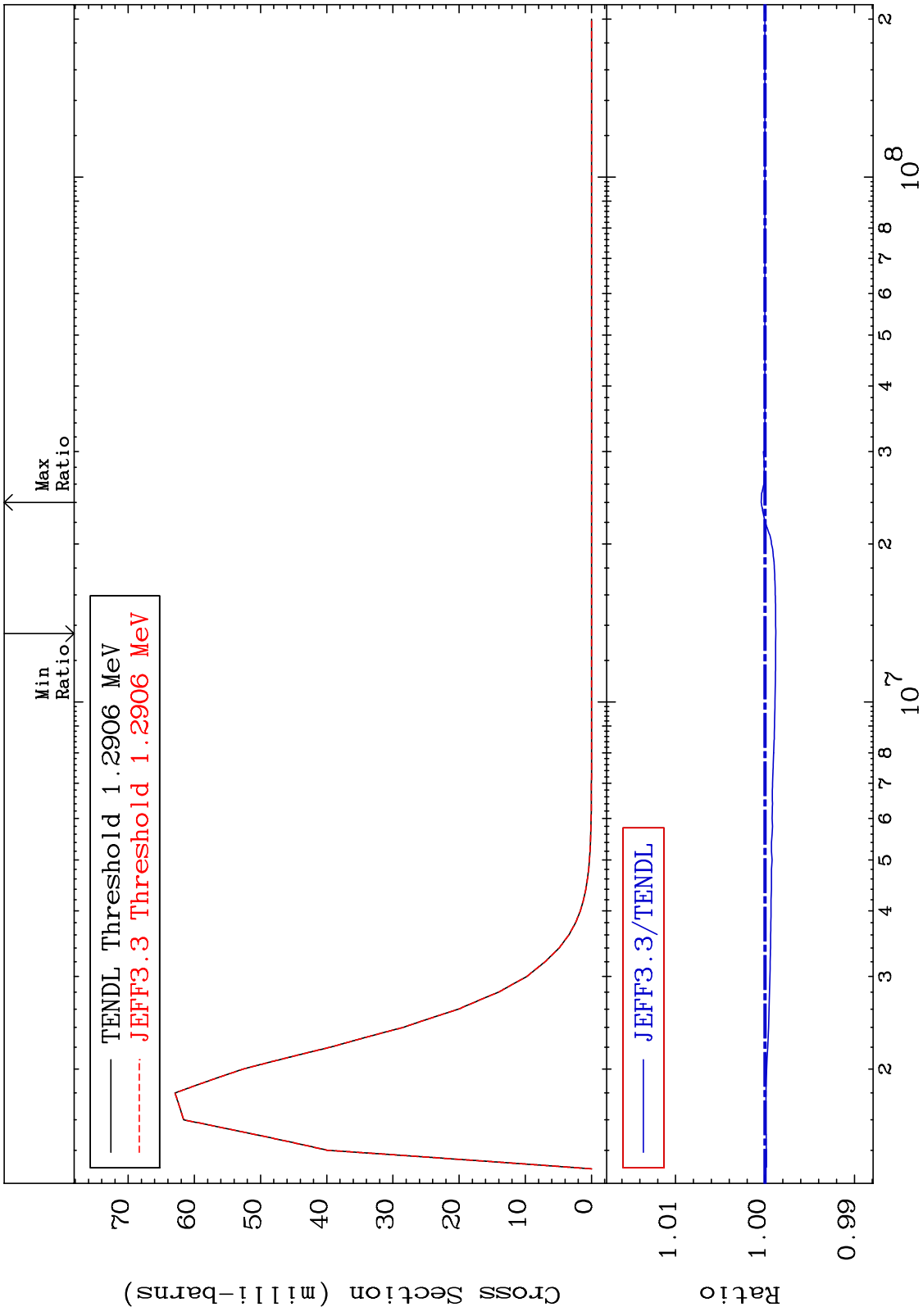
MAT 7049 MT= 60 (n,n') Level Cross Section -0.040 To 0.000 % 70-Yb-176



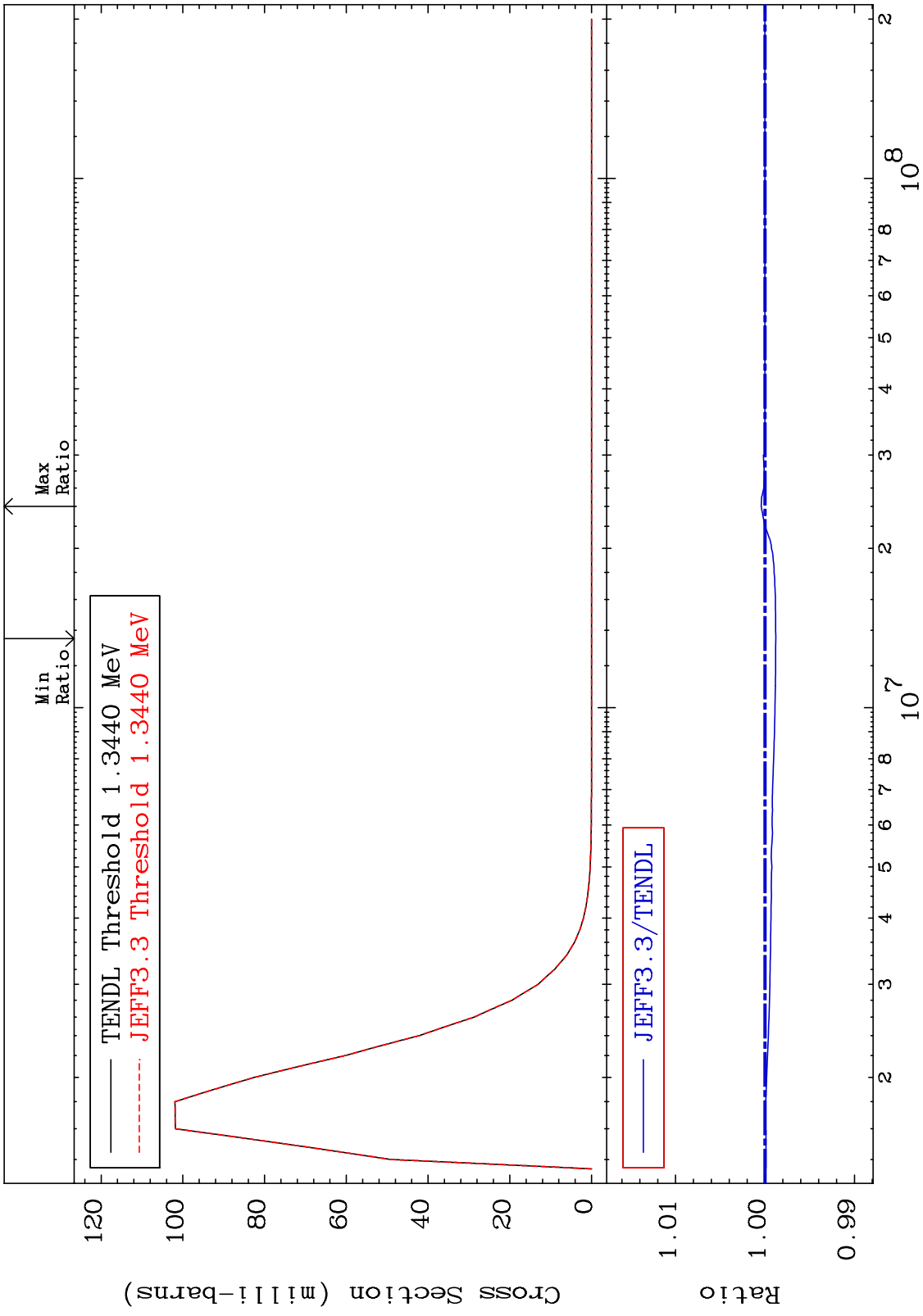
MAT 7049 MT= 61 (n,n') Level Cross Section 70-Yb-176
 -0.040 To 0.000 %



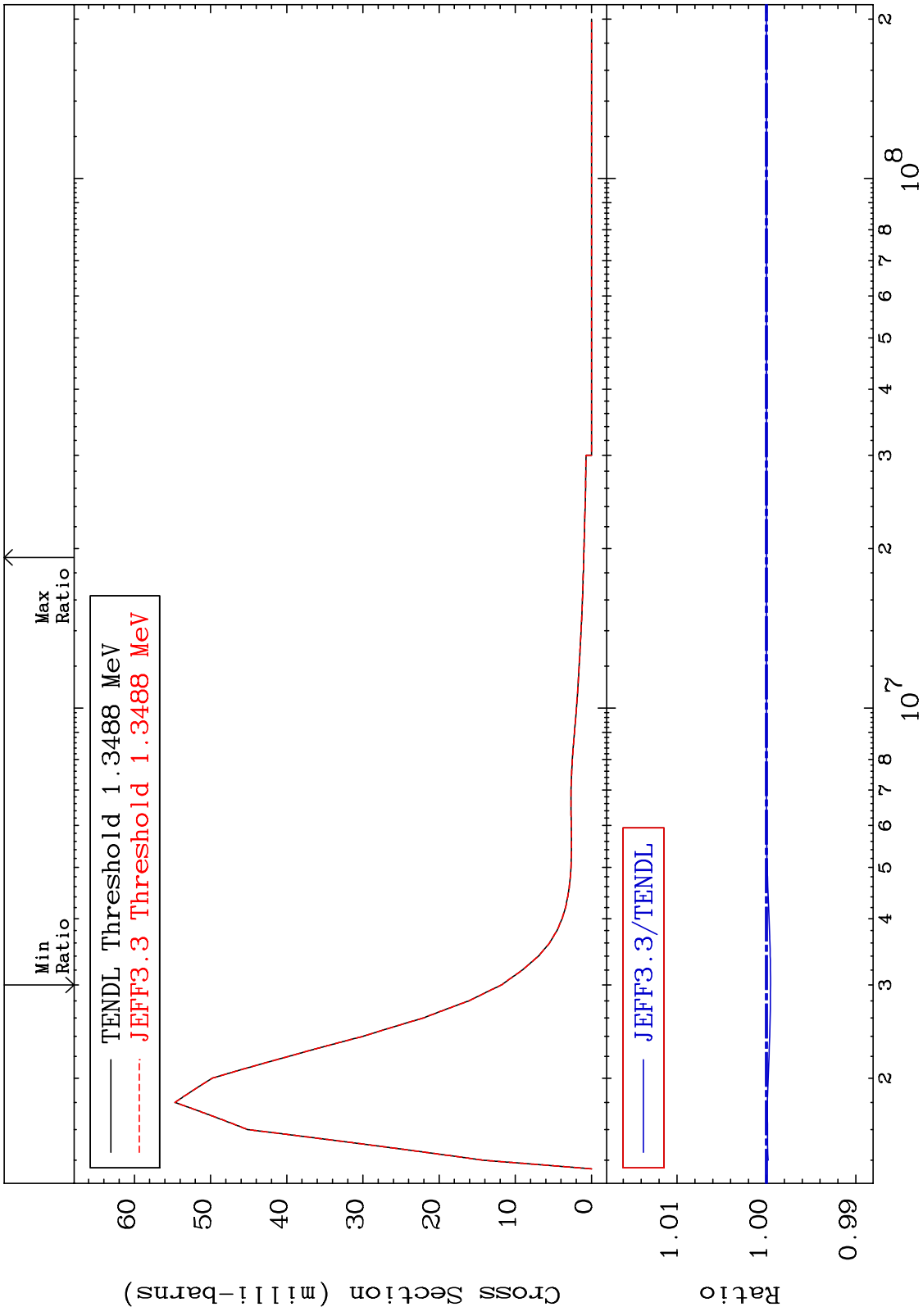
MAT 7049 MT= 62 (n,n') Level Cross Section 70-Yb-176 -0.120 To 0.043 %



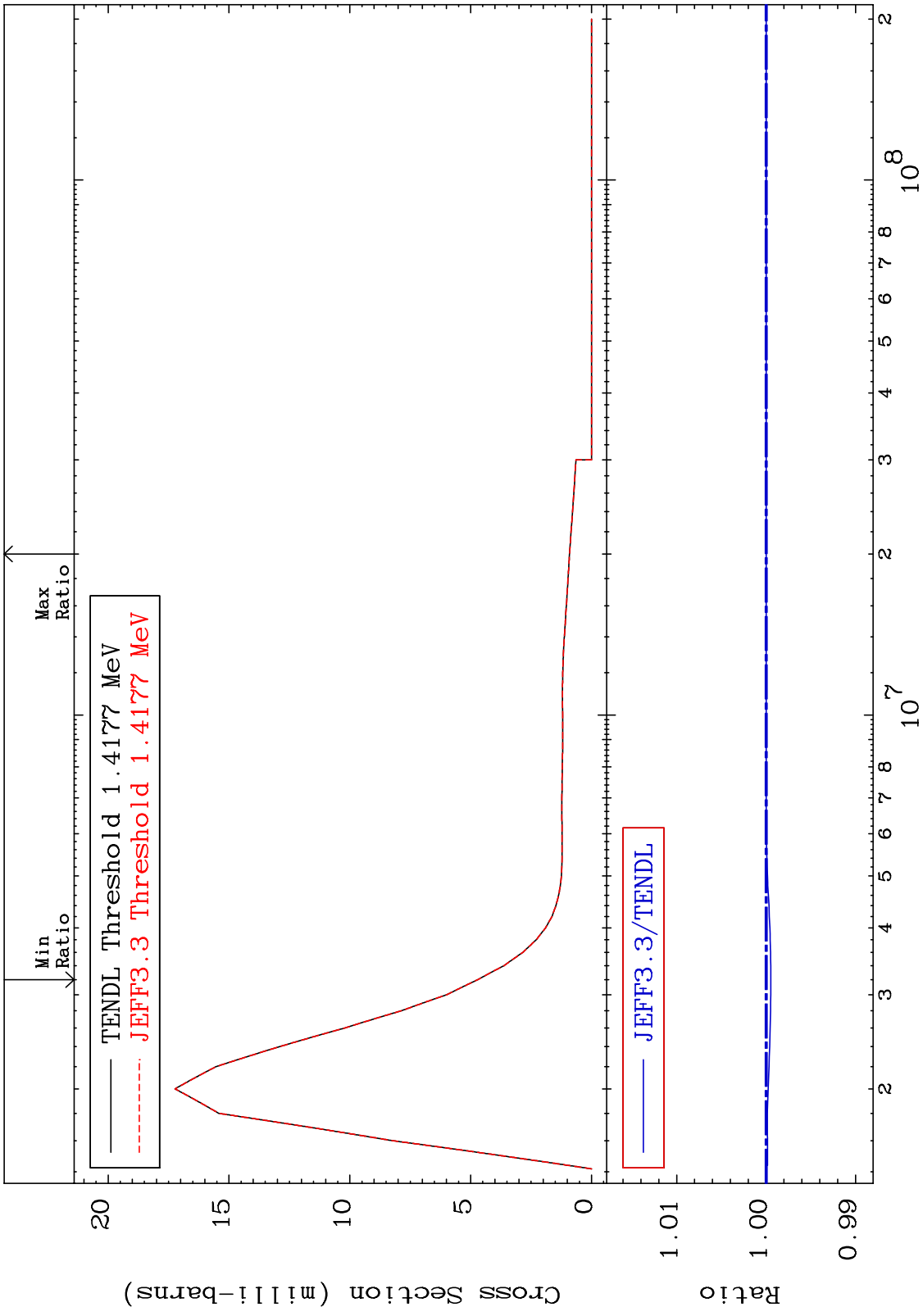
MAT 7049 MT= 63 (n,n') Level Cross Section -0.120 To 0.043 % 70-Yb-176



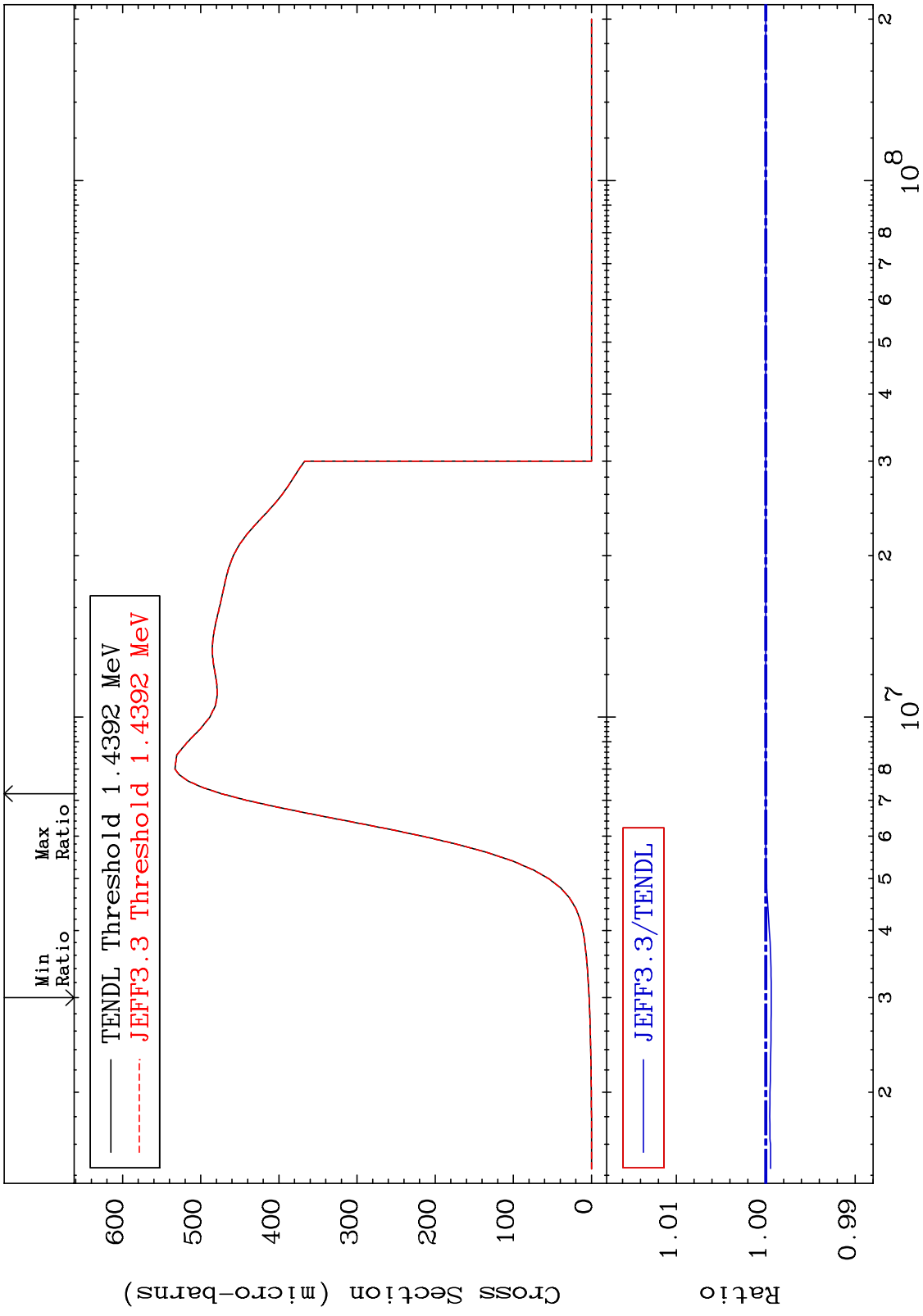
MAT 7049 MT= 64 (n,n') Level Cross Section -0.046 To 0.000 % 70-Yb-176



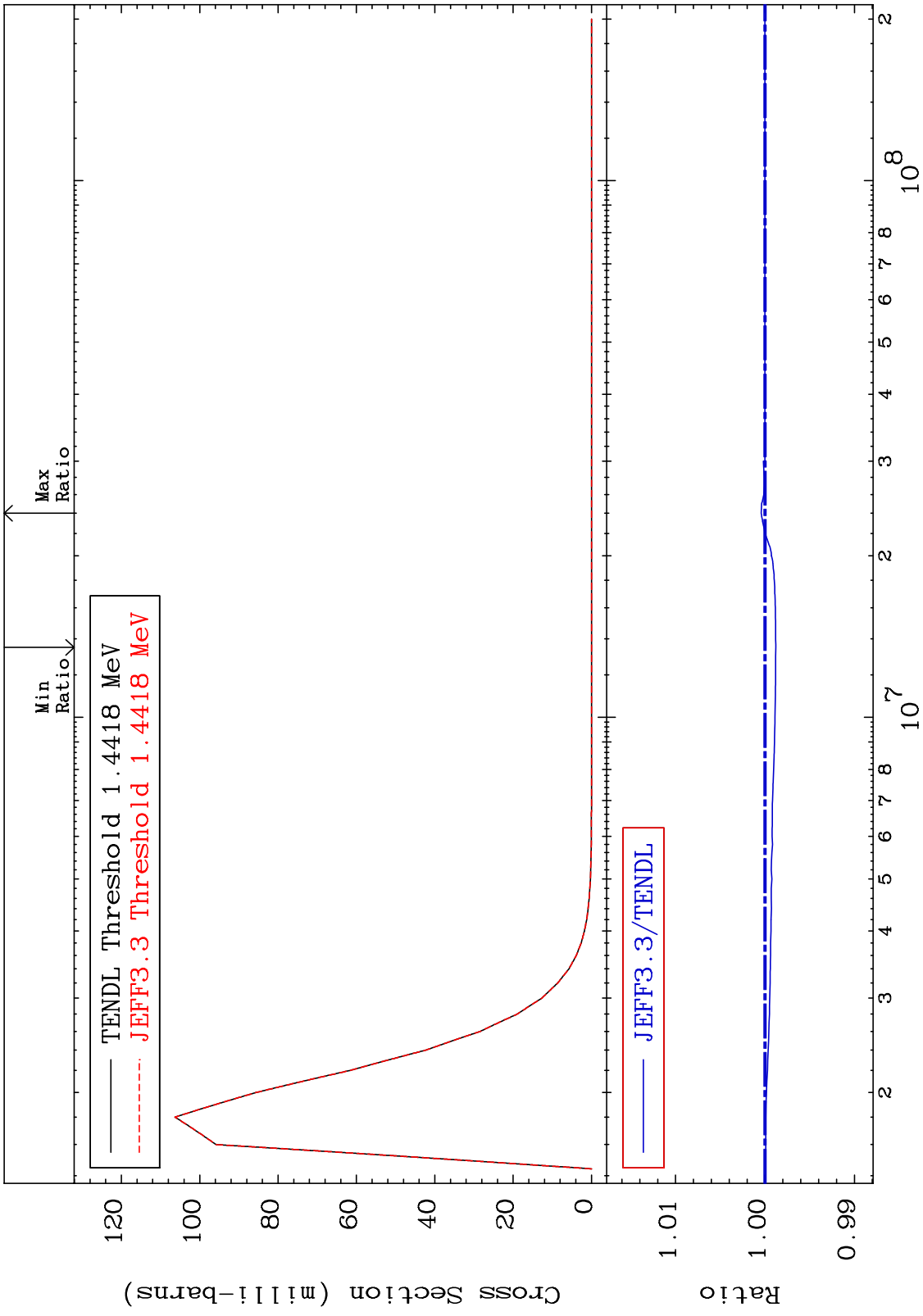
MAT 7049 MT= 65 (n,n') Level Cross Section 70-Yb-176
 -0.052 To 0.000 %



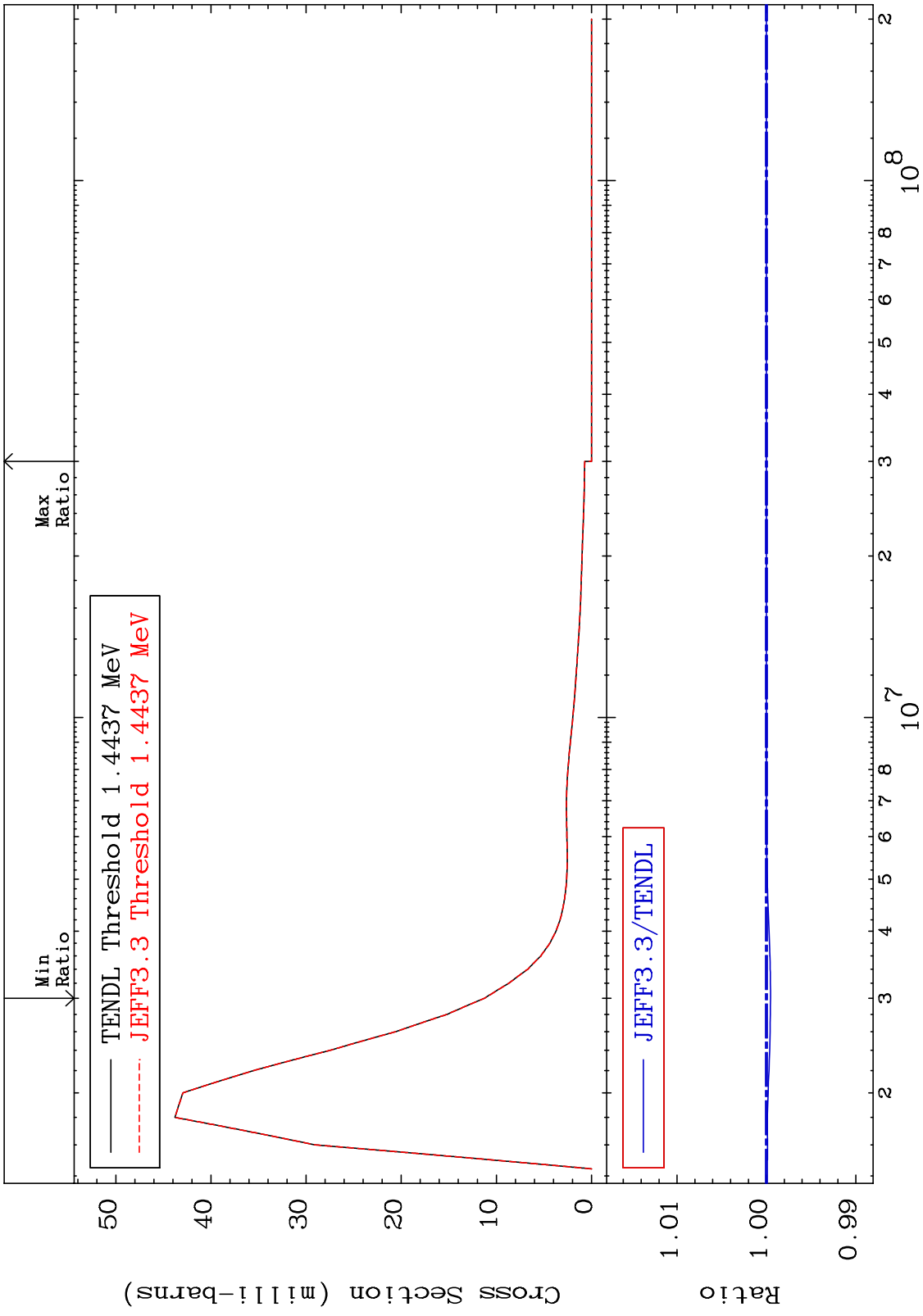
MAT 7049 MT= 66 (n,n') Level Cross Section 70-Yb-176
 -0.062 To 0.000 %



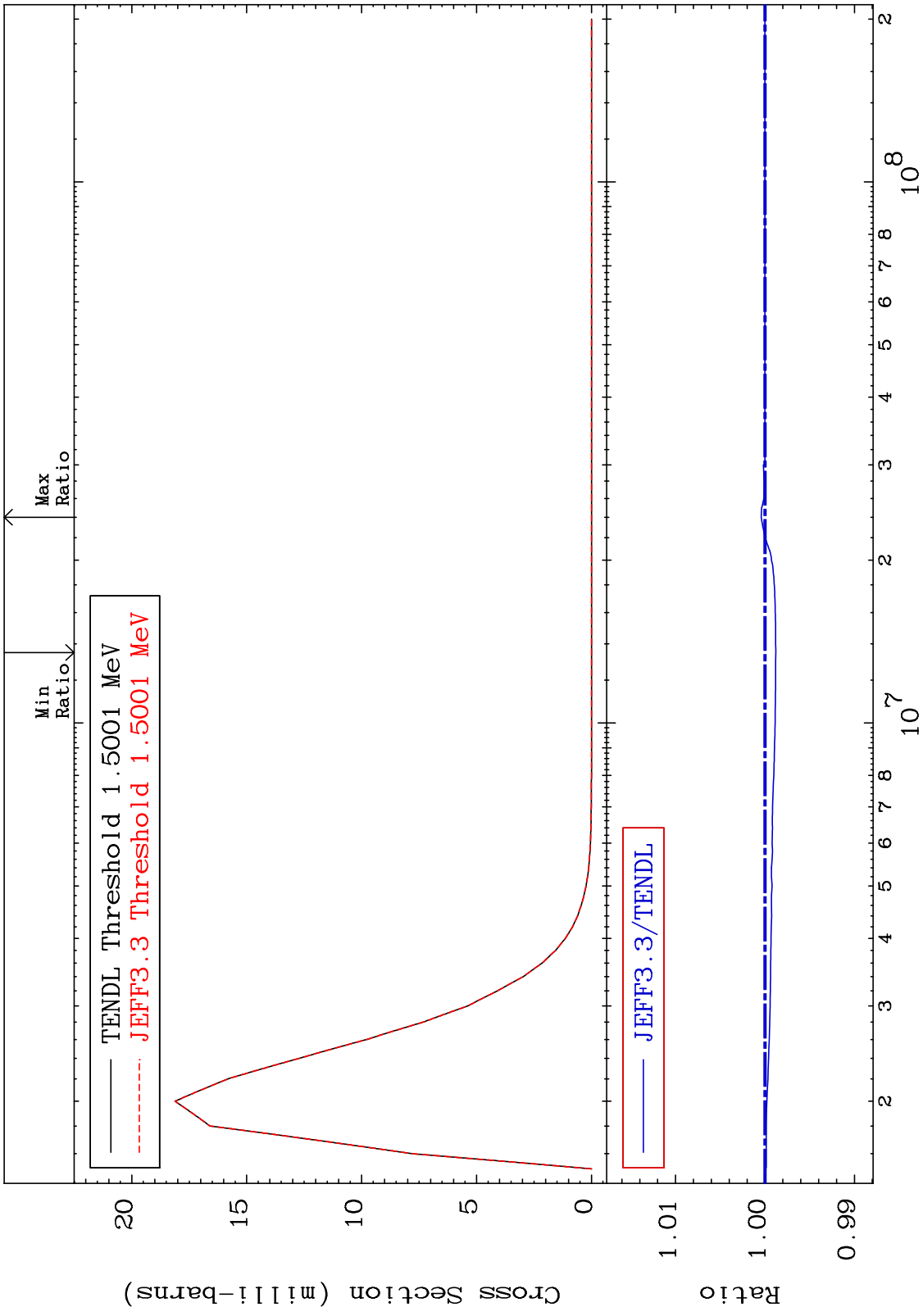
MAT 7049 MT= 67 (n,n') Level Cross Section -0.120 To 0.043 % 70-Yb-176



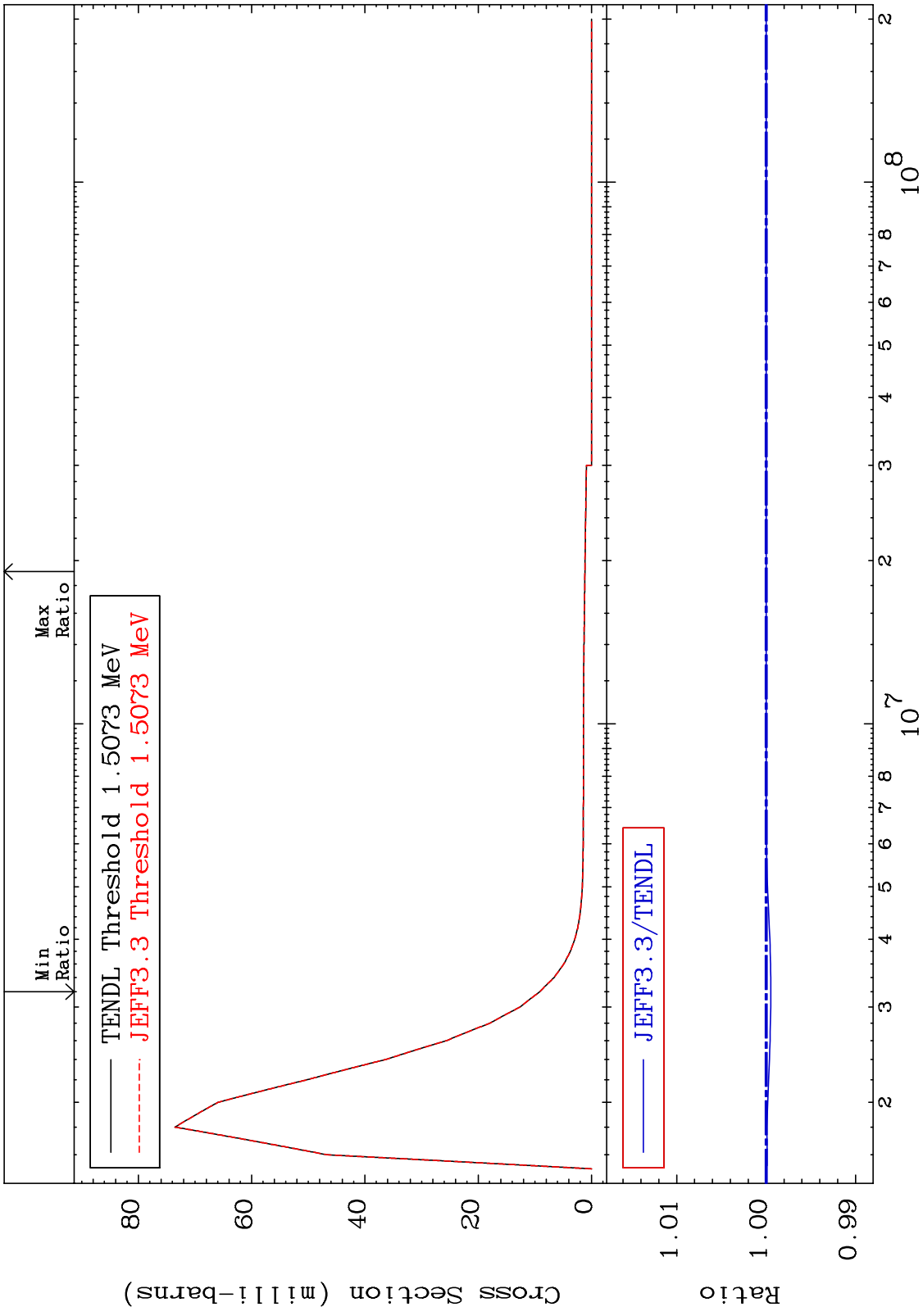
MAT 7049 MT= 68 (n,n') Level Cross Section 70-Yb-176
 -0.046 To 0.000 %



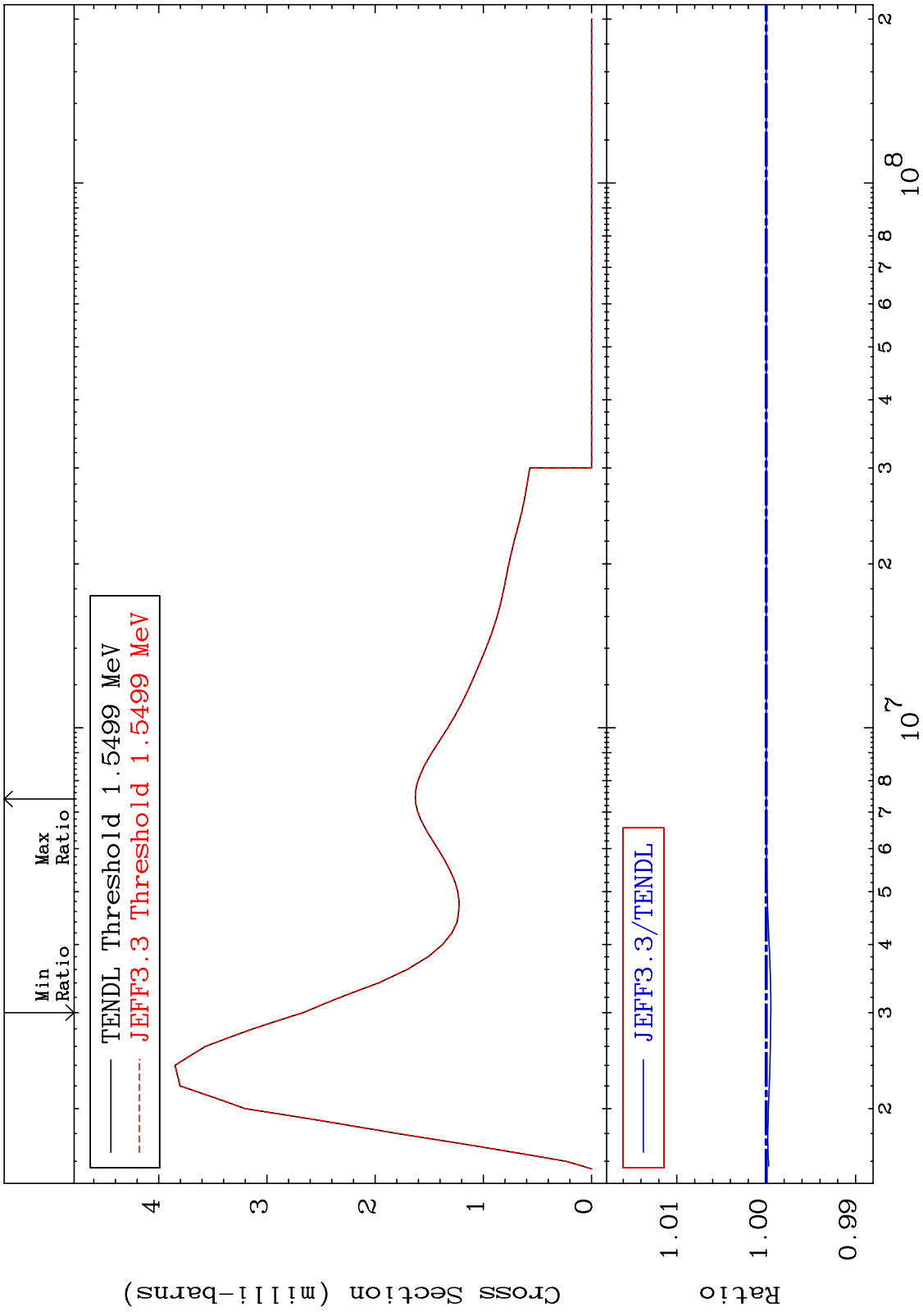
MAT 7049 MT= 69 (n,n') Level Cross Section -0.120 To 0.043 % 70-Yb-176



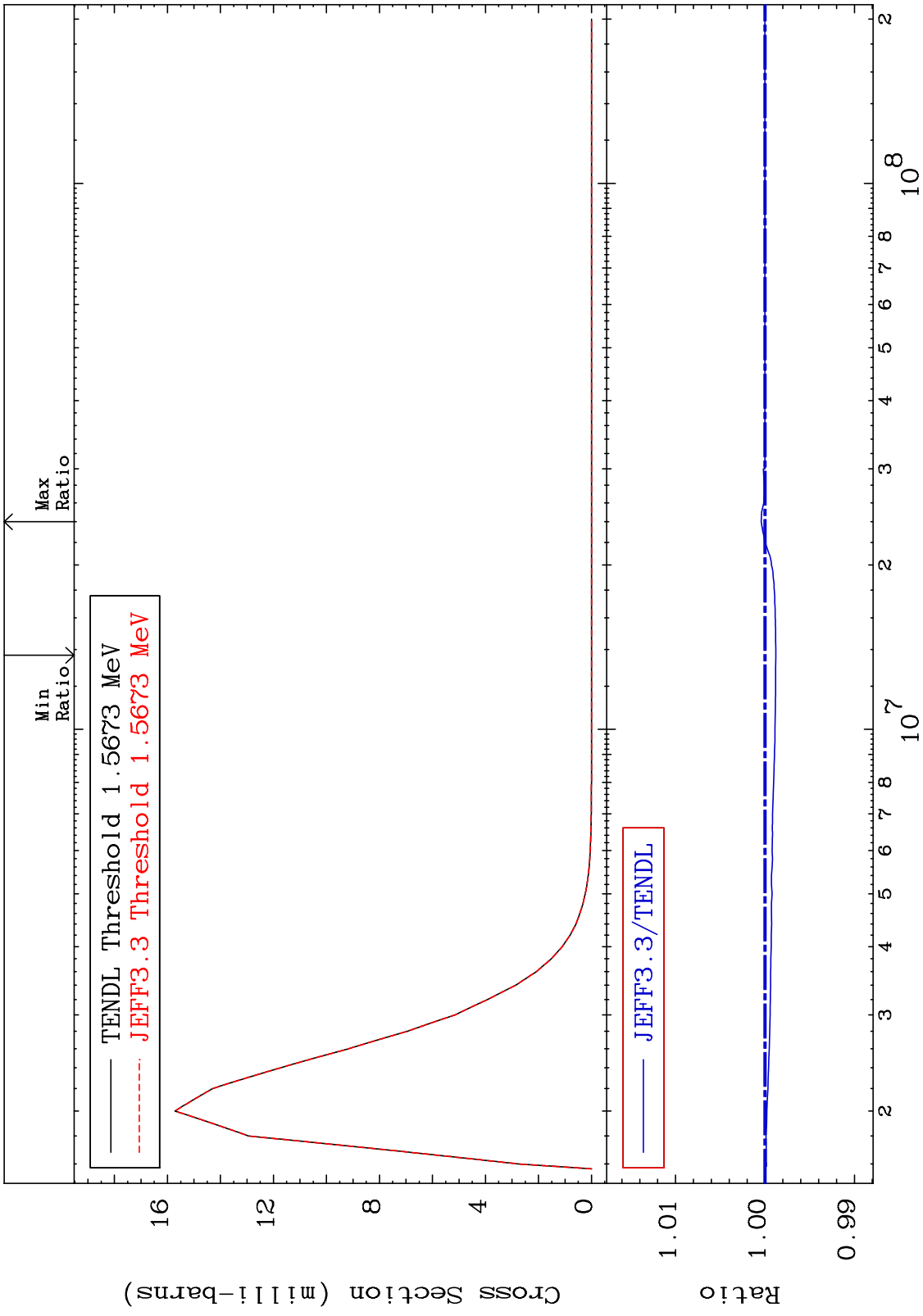
MAT 7049 MT= 70 (n,n') Level Cross Section 70-Yb-176 -0.052 To 0.000 %



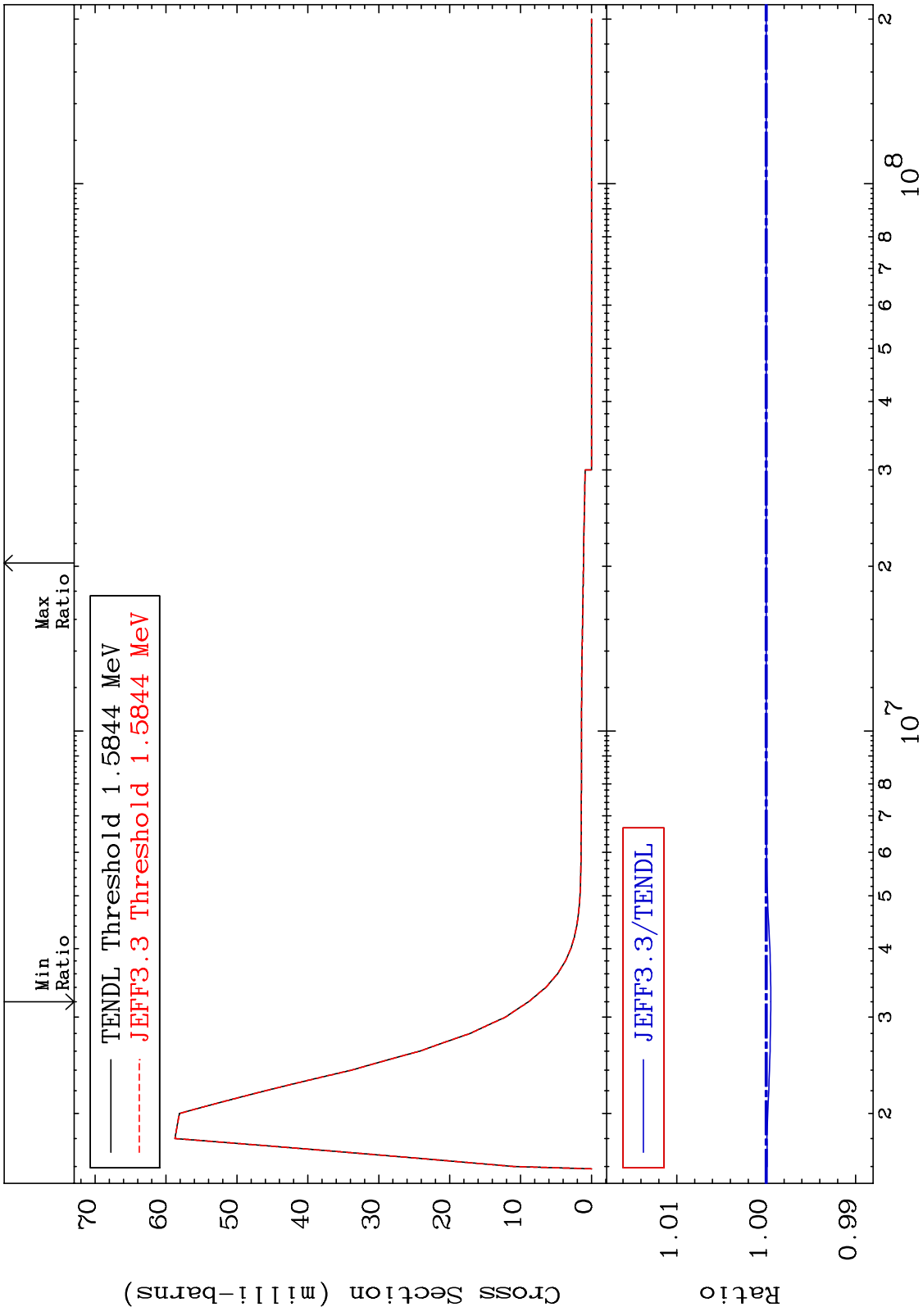
MAT 7049 MT= 72 (n,n') Level Cross Section 70-Yb-176
 -0.050 To 0.000 %



MAT 7049 MT= 73 (n,n') Level Cross Section 70-Yb-176 -0.120 To 0.043 %

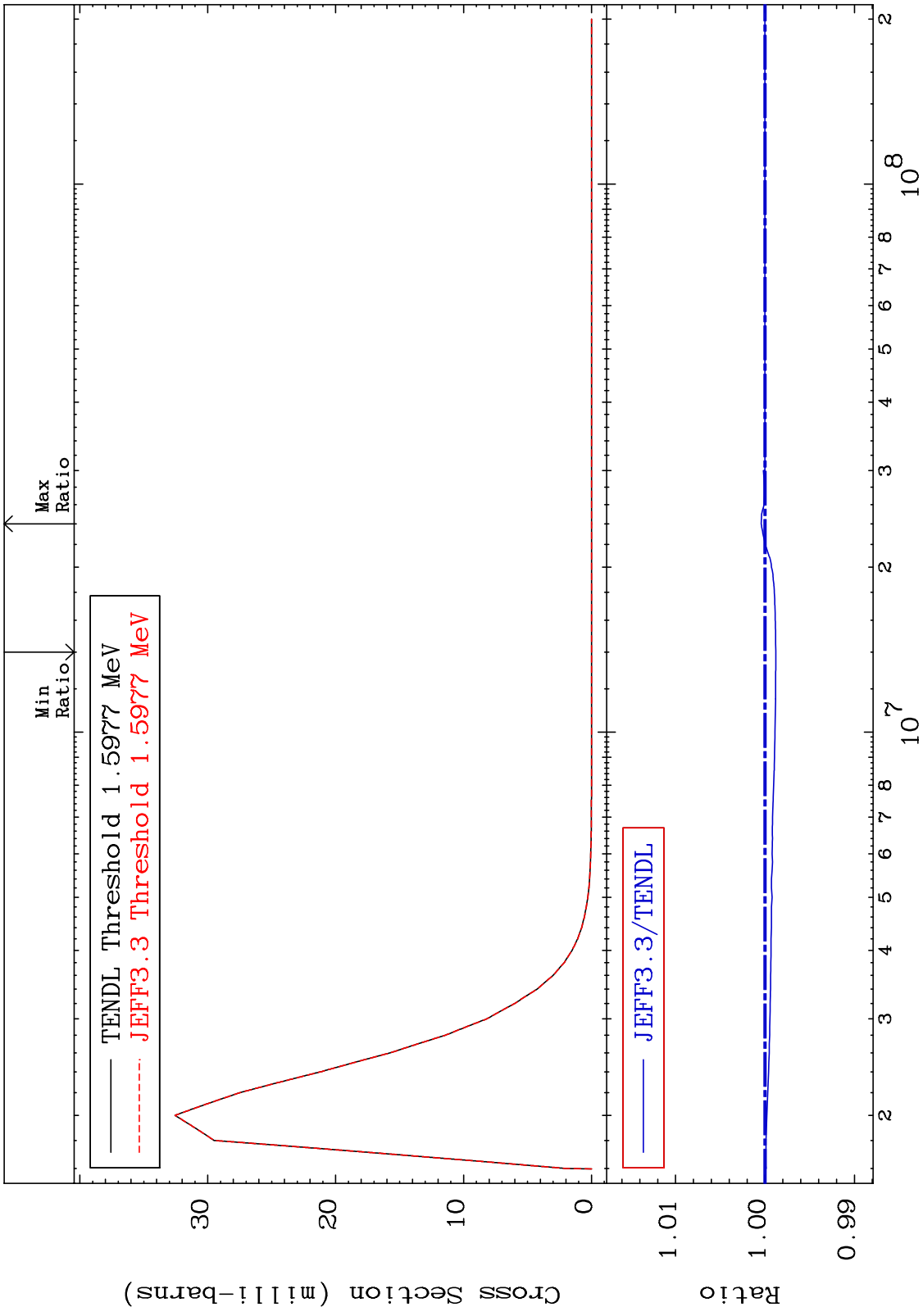


MAT 7049 MT= 74 (n,n') Level Cross Section 70-Yb-176 -0.051 To 0.000 %



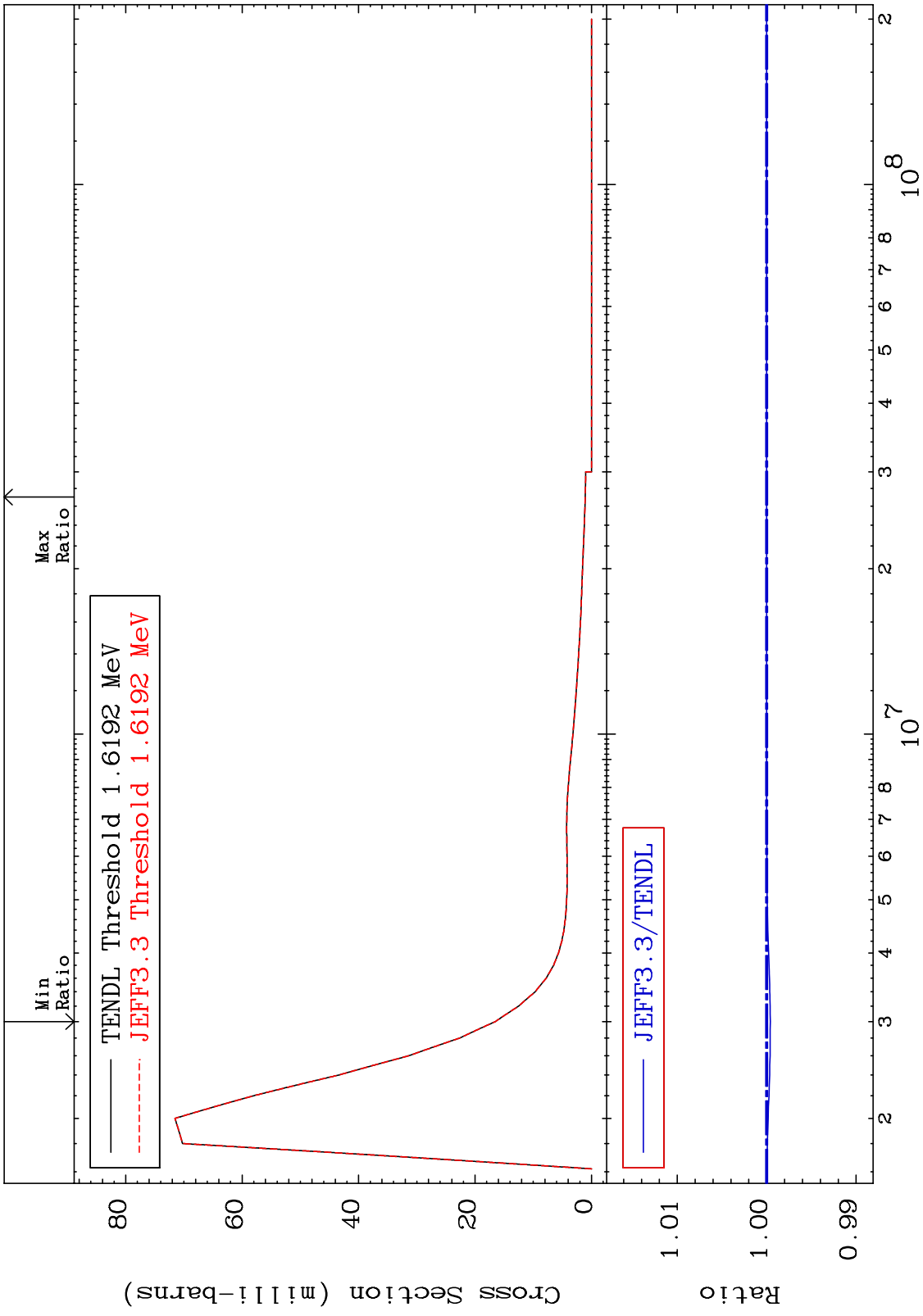
40 Incident Energy (eV) 70-Yb-176

MAT 7049 MT= 75 (n,n') Level Cross Section 70-Yb-176 -0.120 To 0.043 %

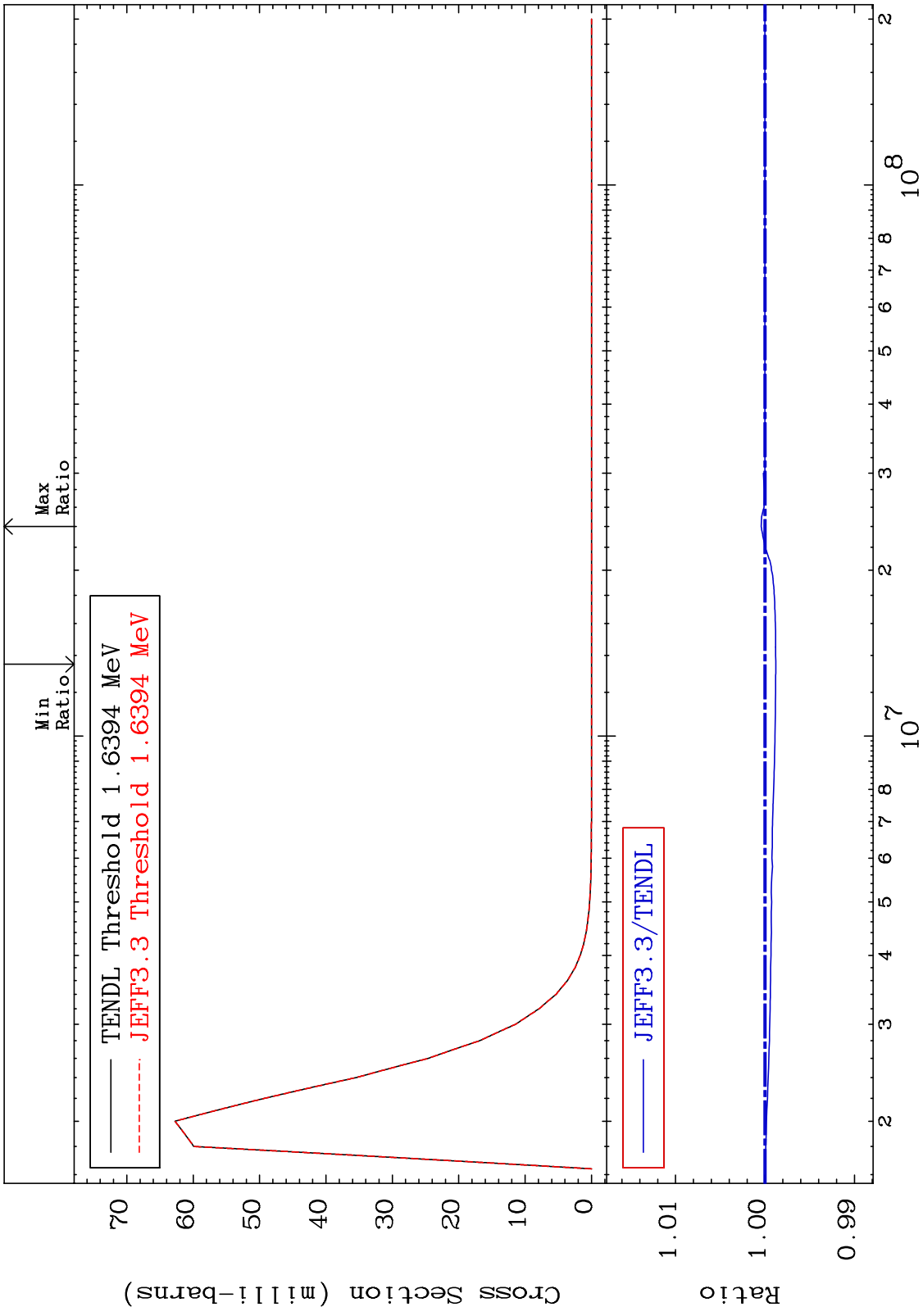


41 Incident Energy (eV) 70-Yb-176

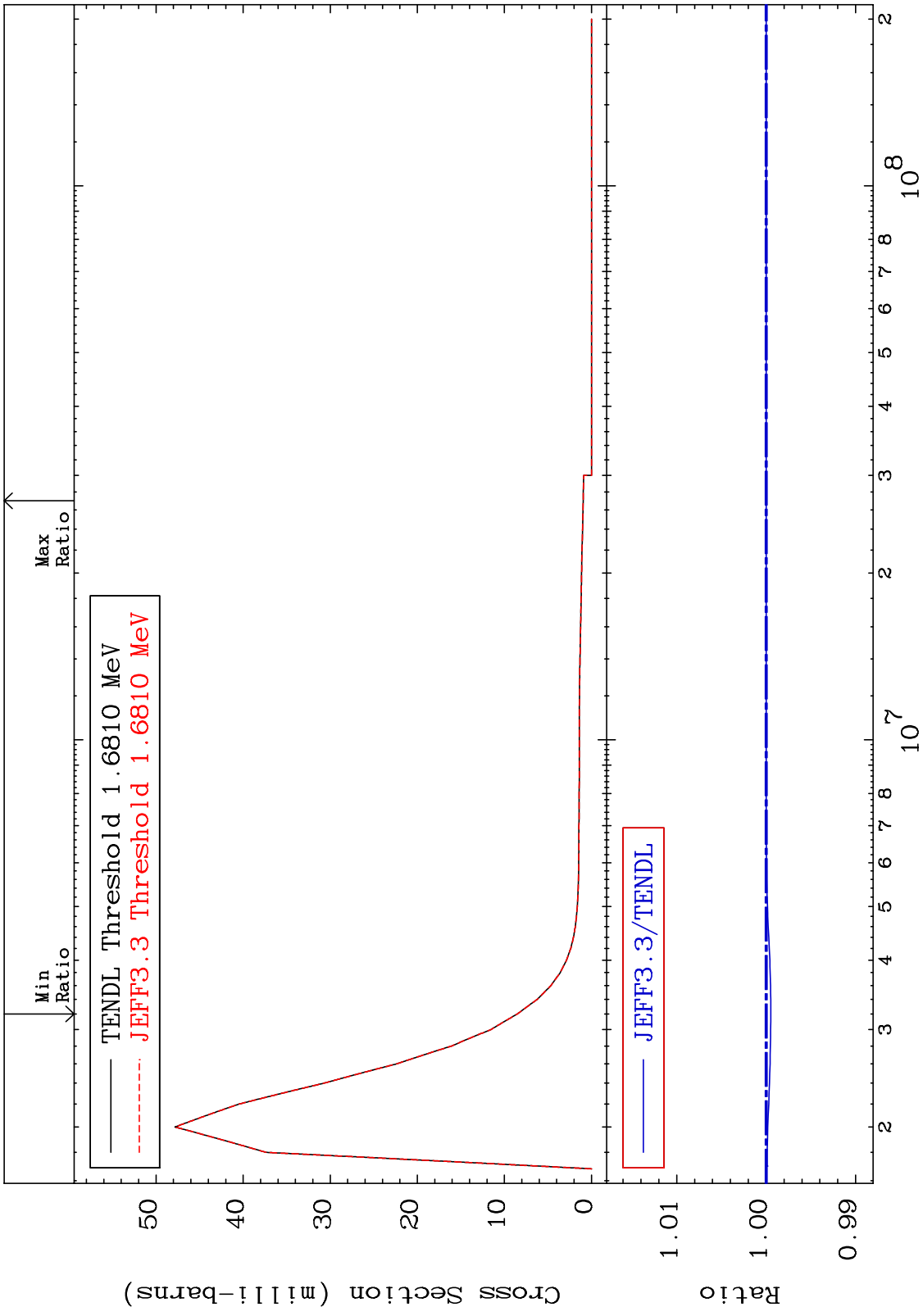
MAT 7049 MT= 76 (n,n') Level Cross Section -0.040 To 0.000 % 70-Yb-176



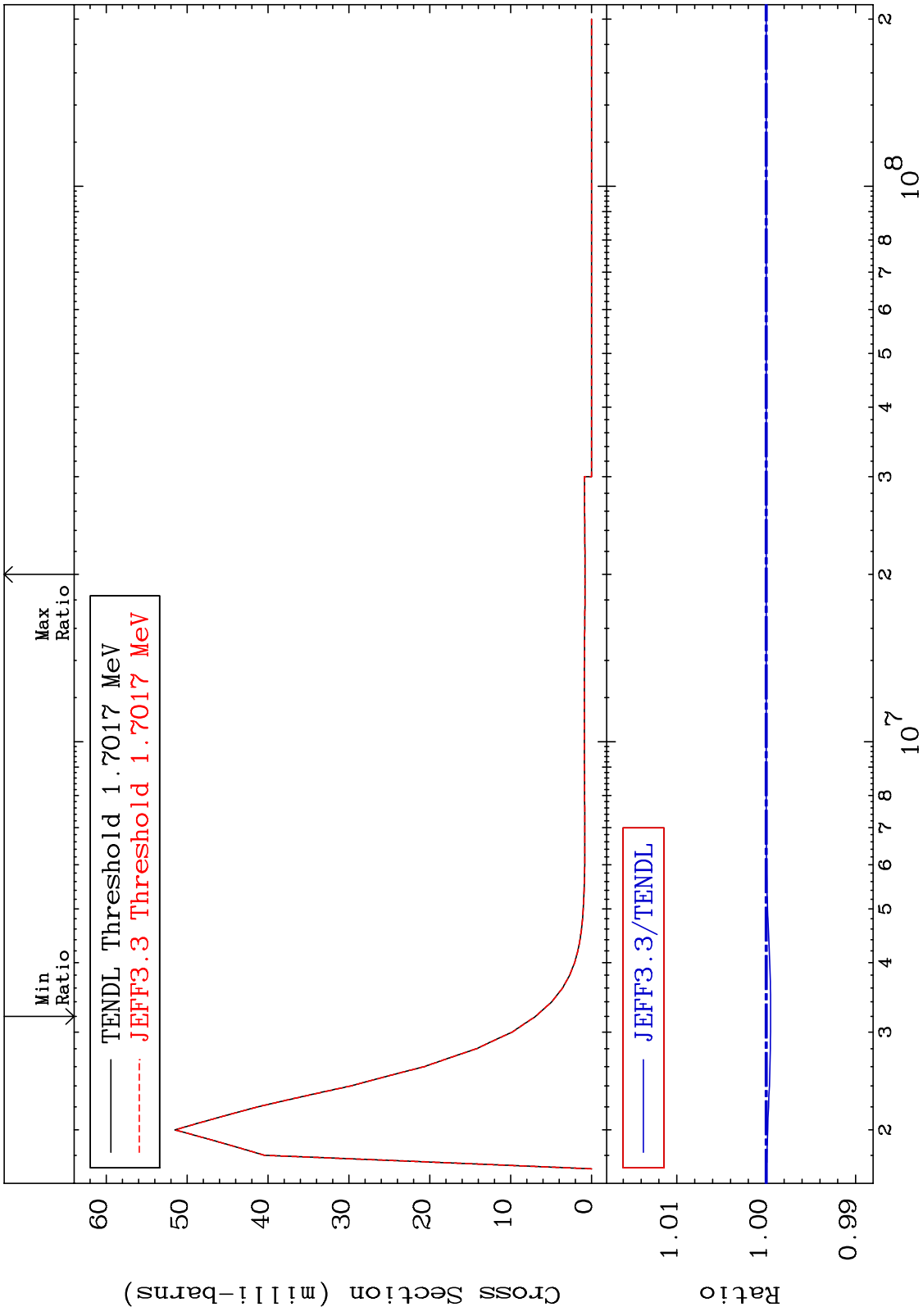
MAT 7049 MT= 77 (n,n') Level Cross Section 70-Yb-176 -0.120 To 0.043 %



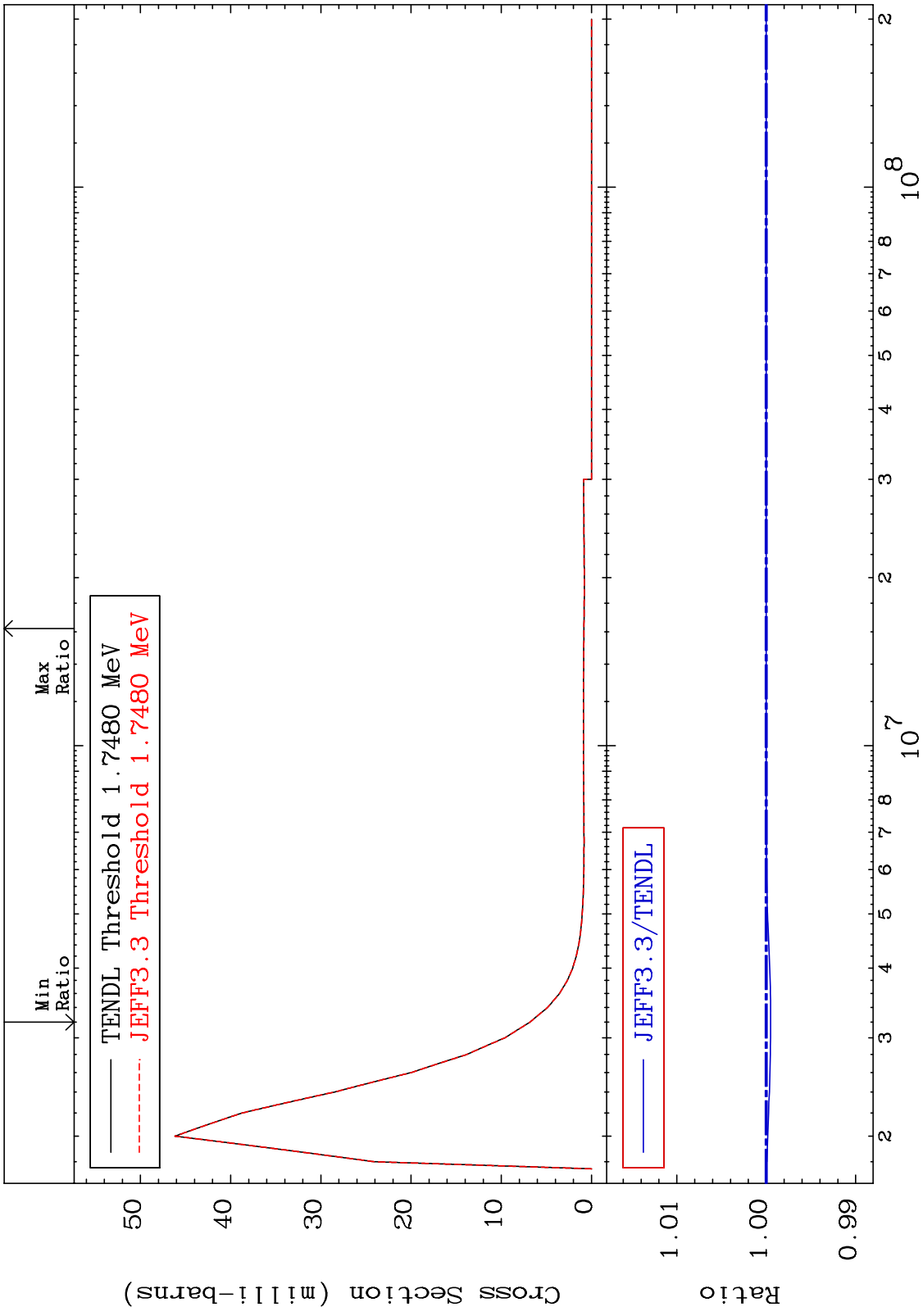
MAT 7049 MT= 78 (n,n') Level Cross Section 70-Yb-176
 -0.051 To 0.000 %



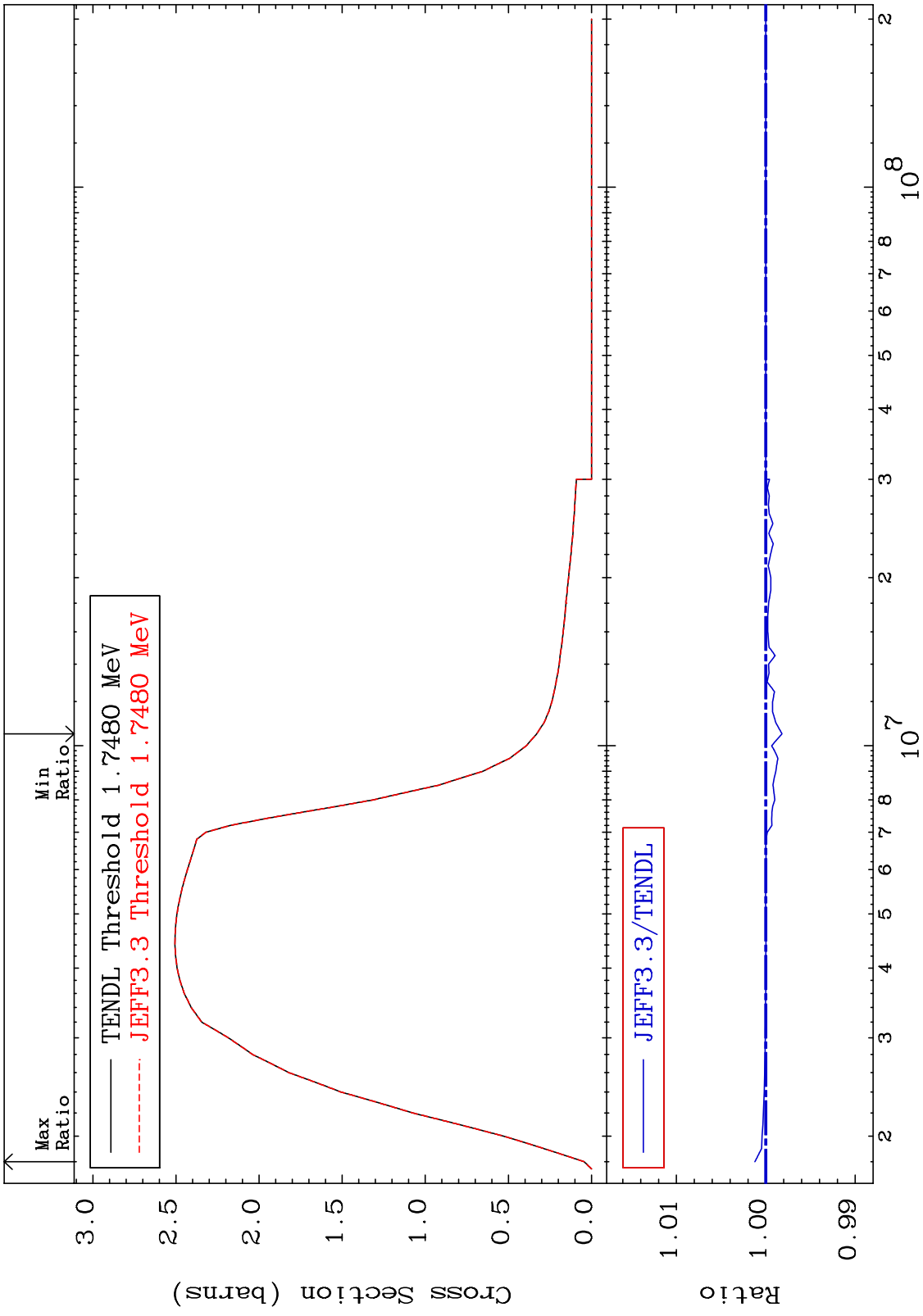
MAT 7049 MT= 79 (n,n') Level Cross Section 70-Yb-176
 -0.049 To 0.000 %



MAT 7049 MT= 80 (n,n') Level Cross Section 70-Yb-176 -0.049 To 0.000 %



MAT 7049 70-Yb-176
-0.180 To 0.122 %
 (n,n') Continuum
 Cross Section



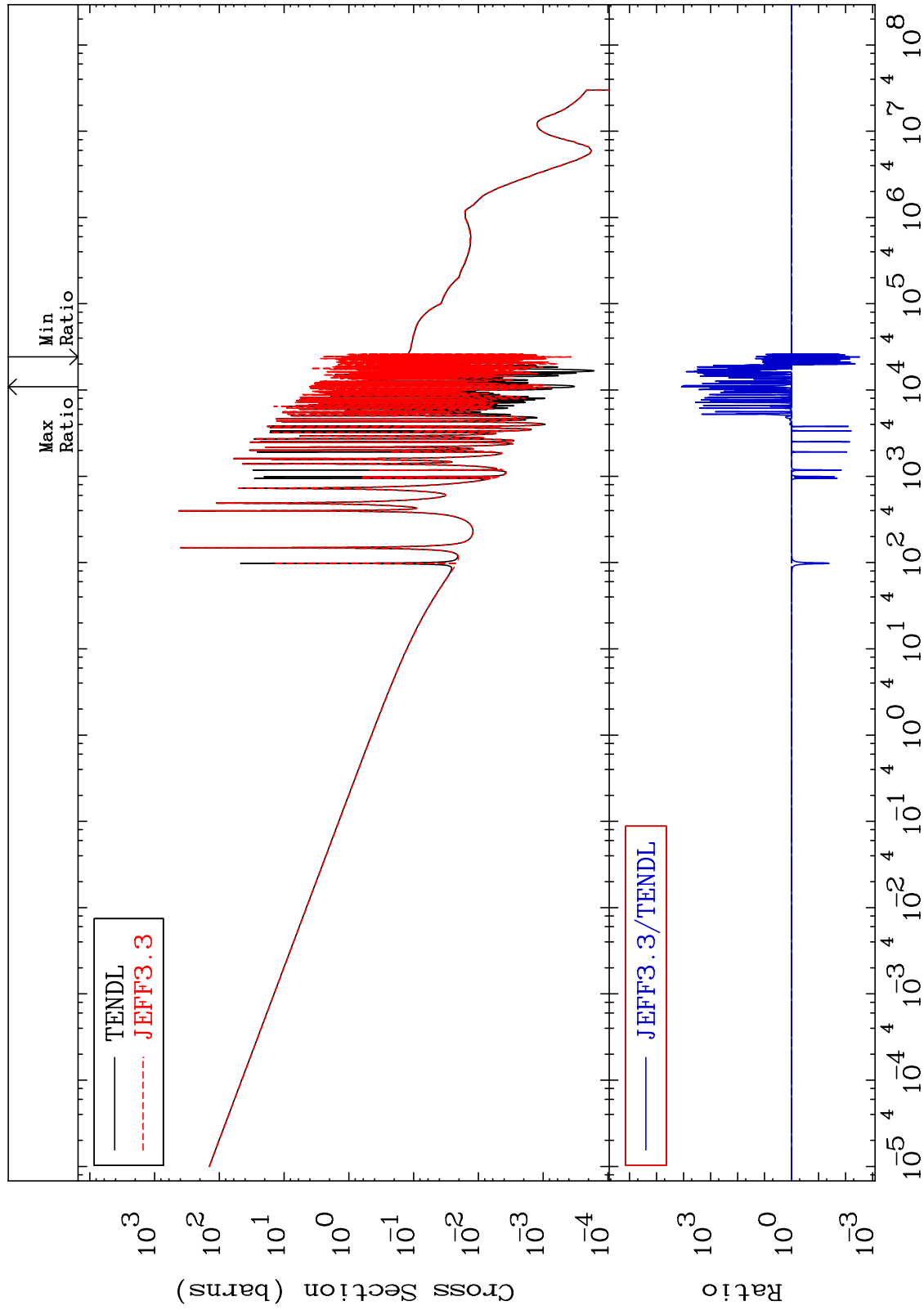
MAT 7049

(n, γ)

70-Yb-176

Cross Section

-99.70 To 9999. %



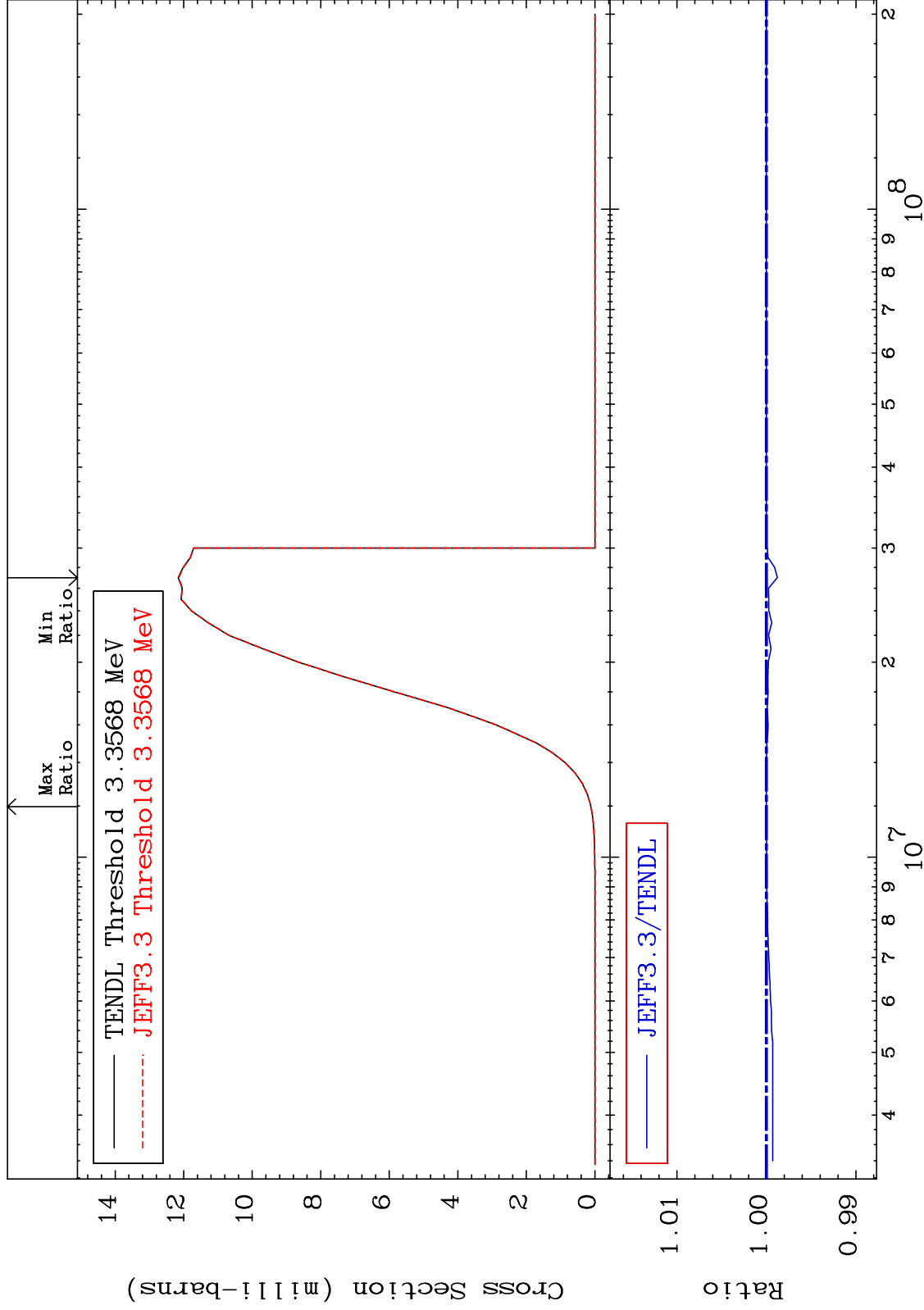
MAT 7049

(n,p)

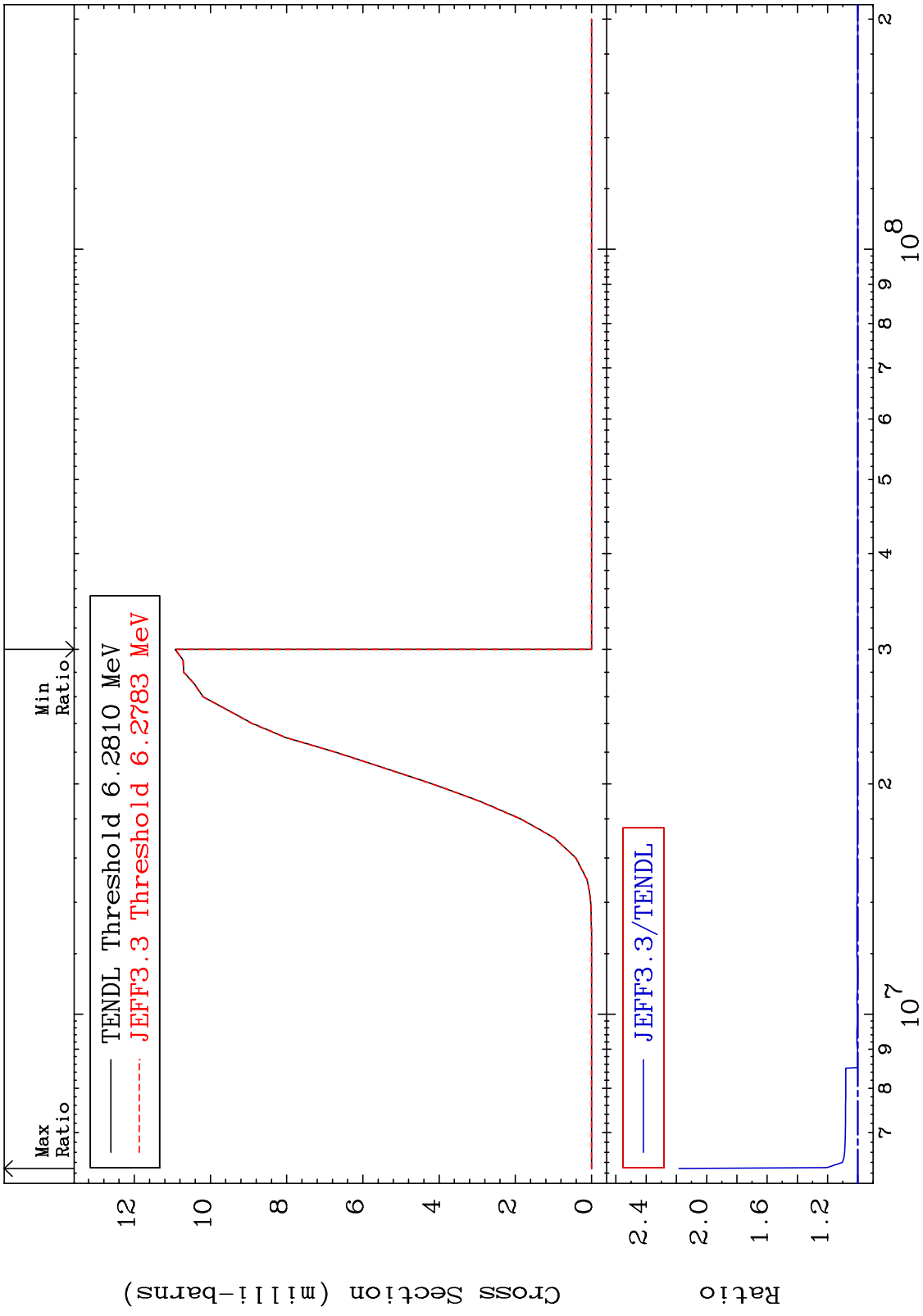
70-Yb-176

Cross Section

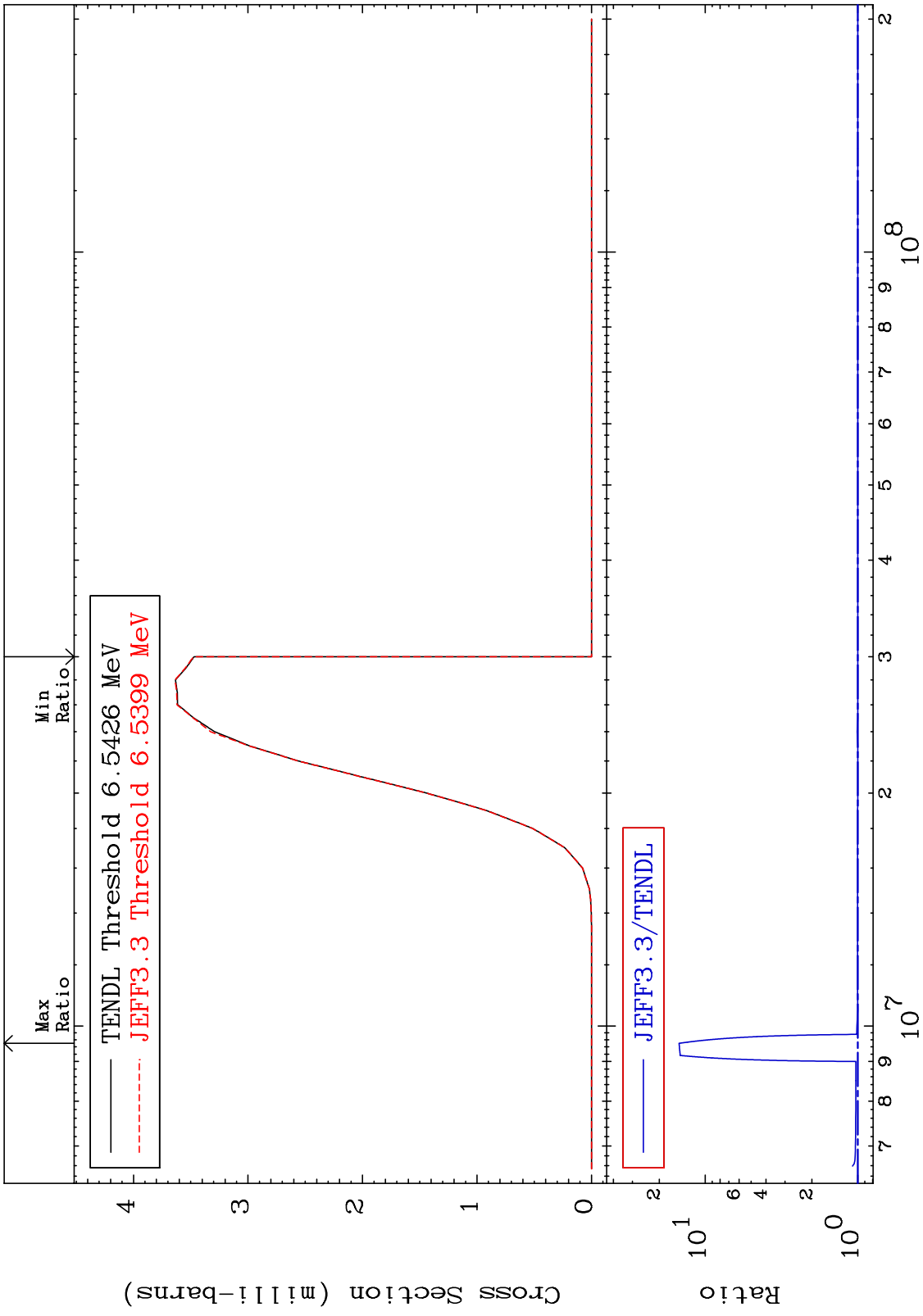
-0.122 To 0.000 %



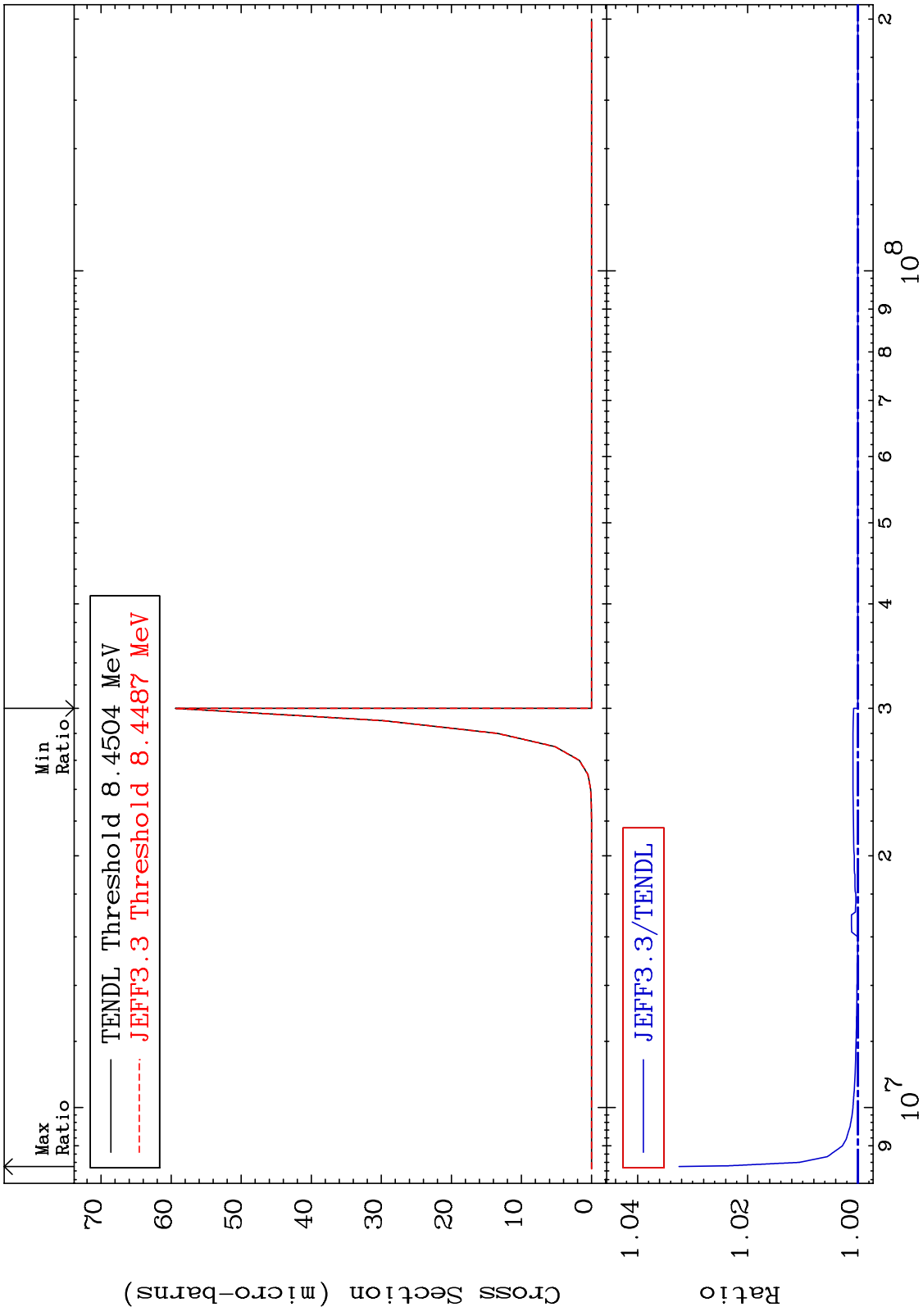
MAT 7049 (n,d) Cross Section 70-Yb-176 To 118.2 %



MAT 7049 70-Yb-176
To 1384. %
 (n,t) 0.000
 Cross Section



MAT 7049 (n, He-3) Cross Section 70-Yb-176 To 3.247 %
 0.000



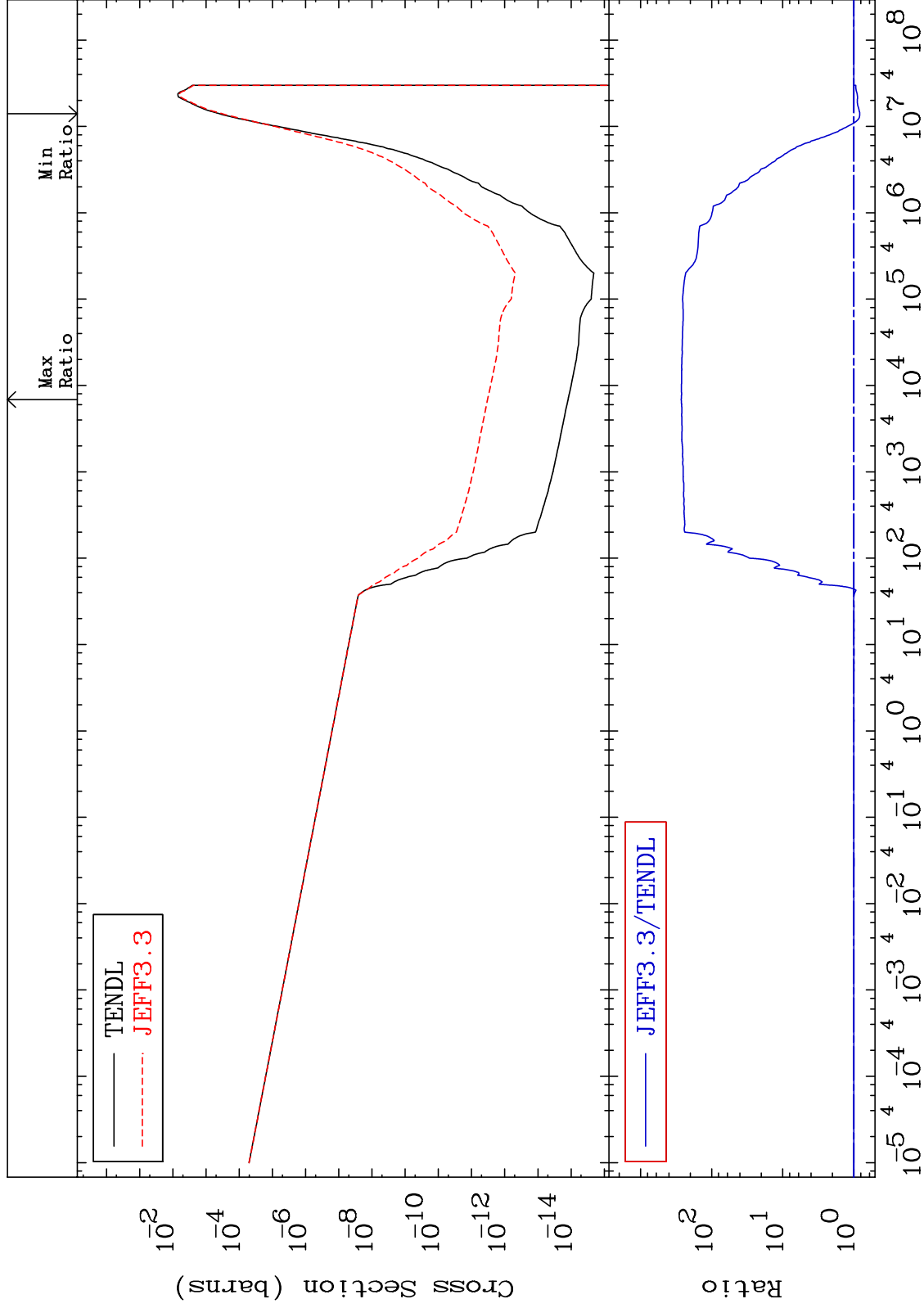
MAT 7049

(n, α)

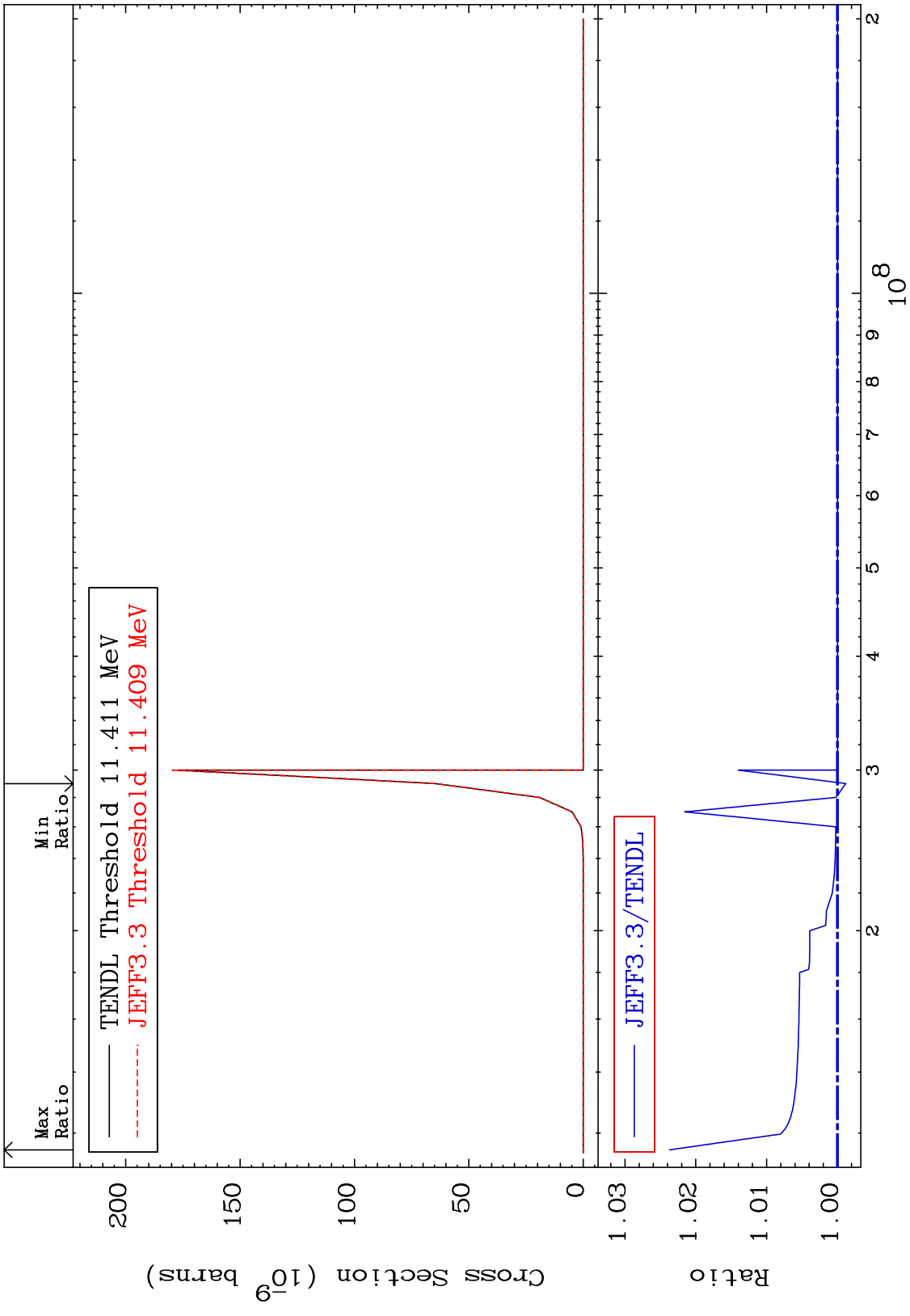
70-Yb-176

Cross Section

-17.41 To 9999. %



MAT 7049 (n,2p) Cross Section 70-Yb-176 -0.117 To 2.372 %



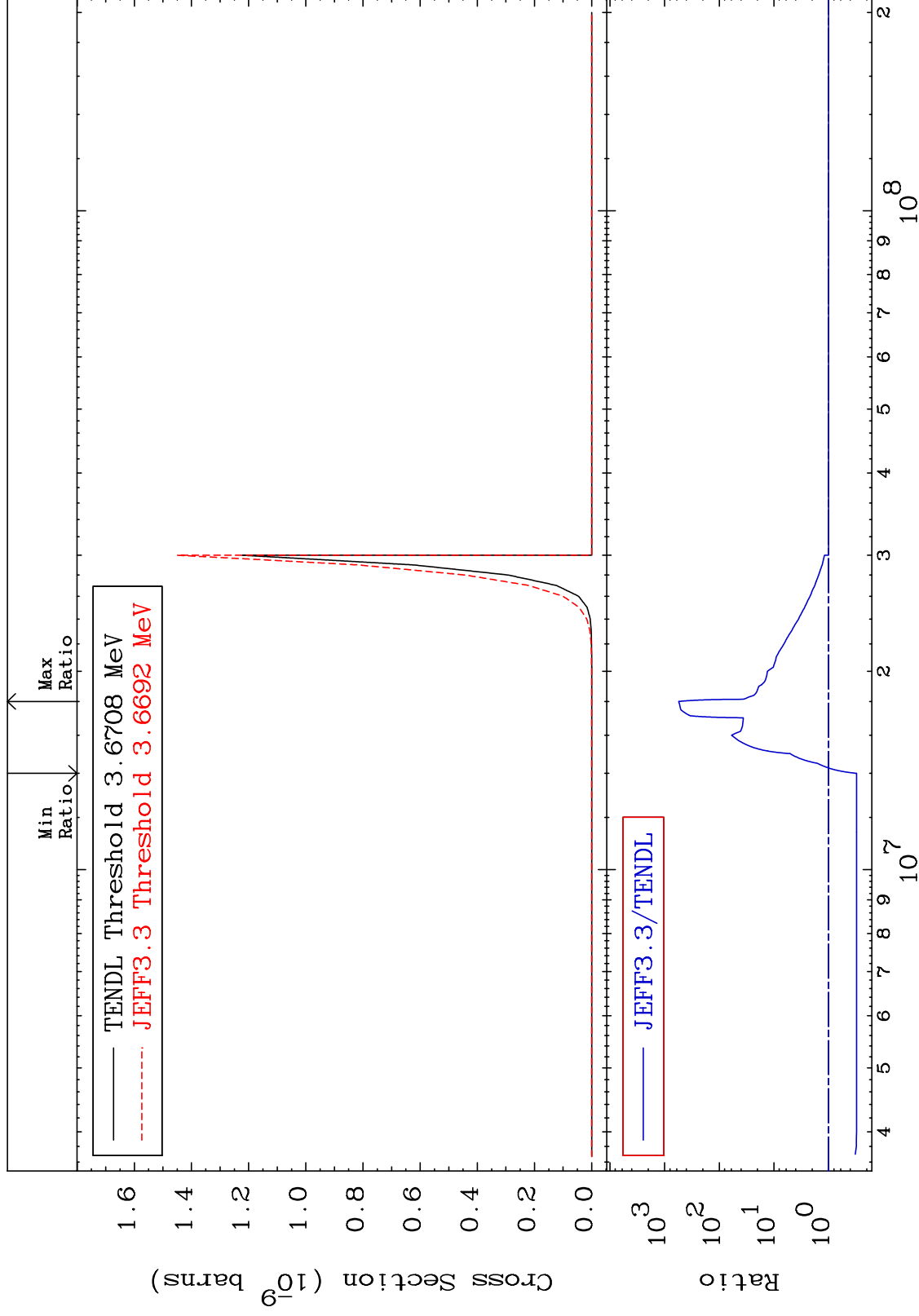
MAT 7049

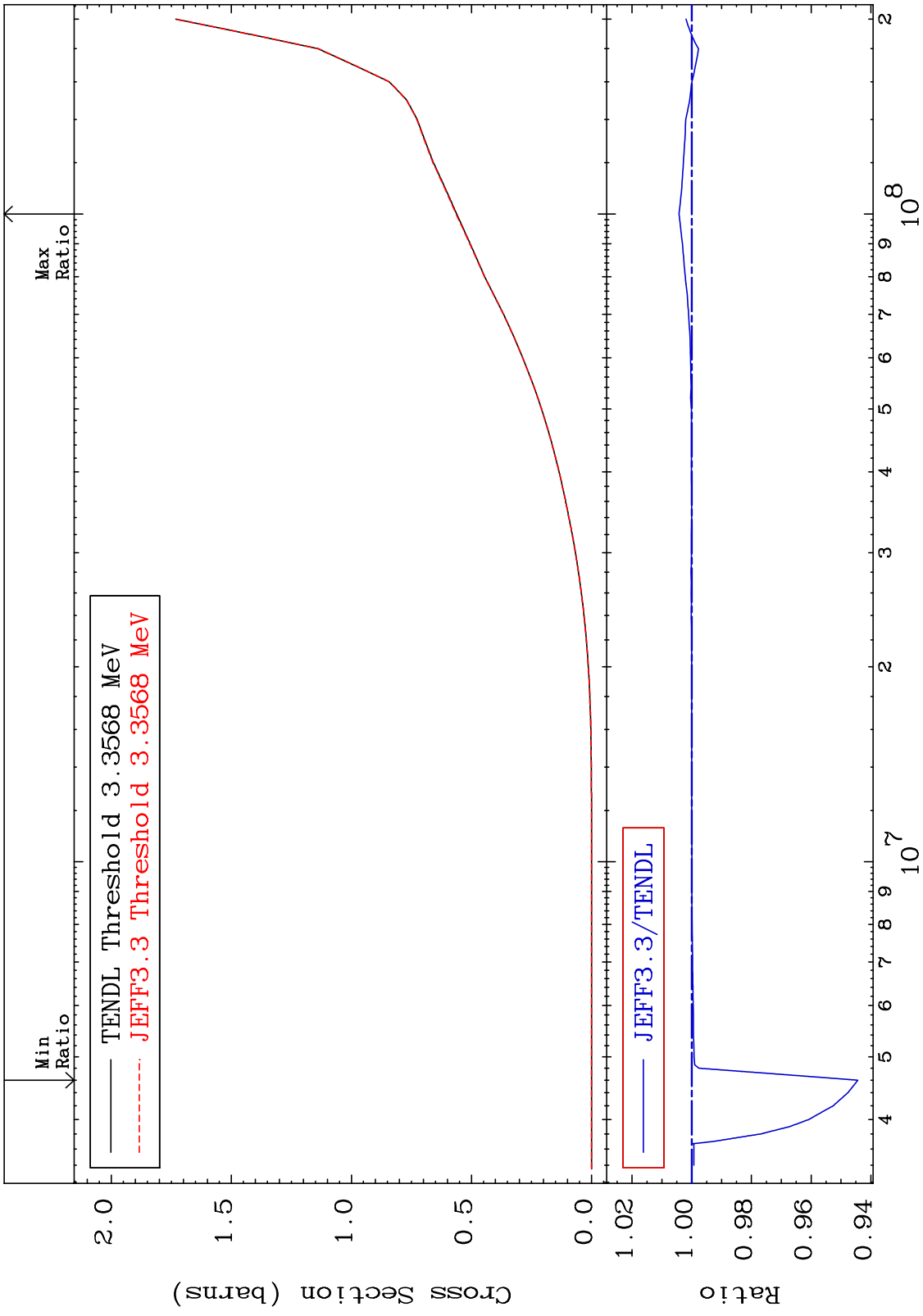
(n,p) α

70-Yb-176

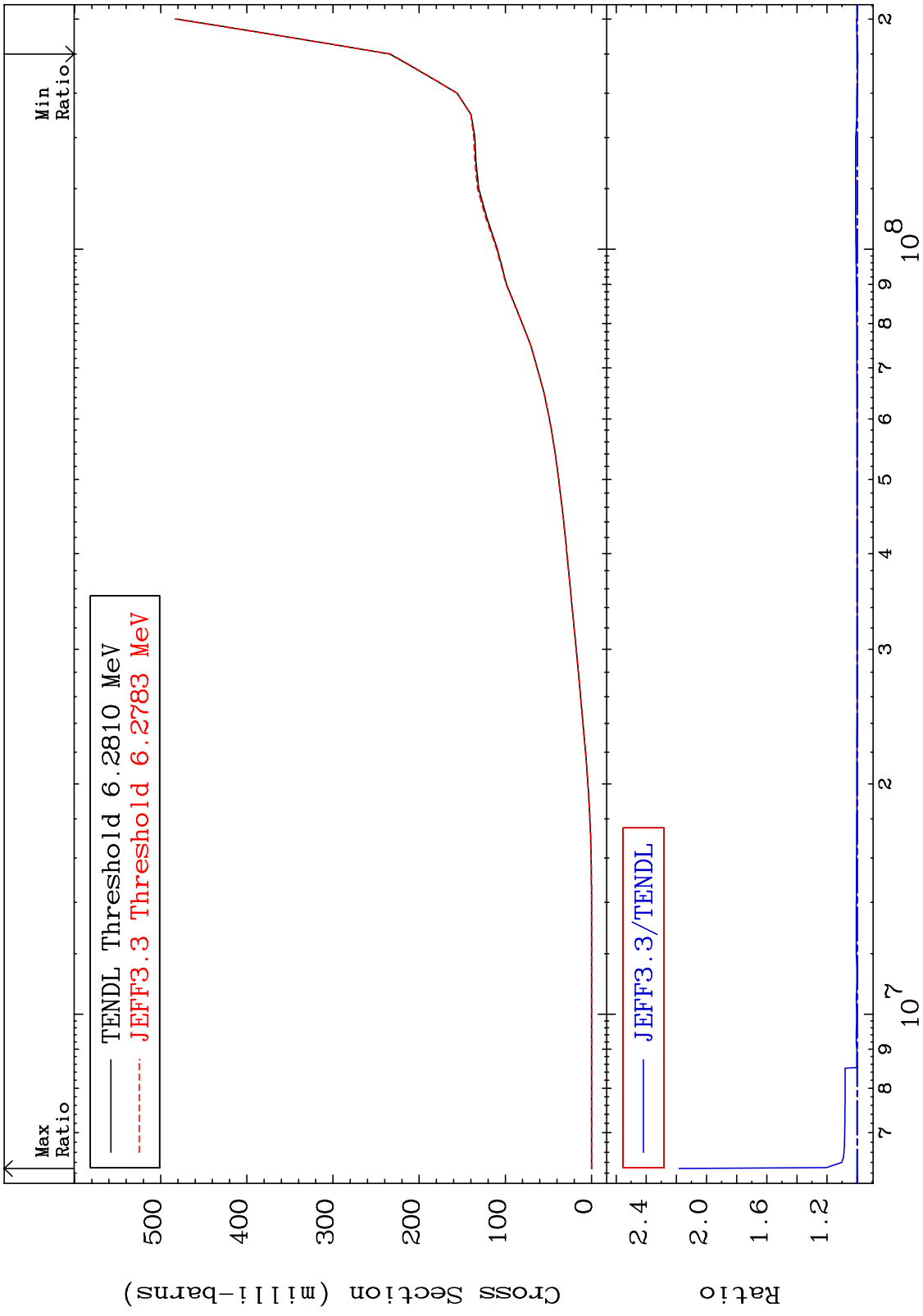
-69.33 To 9999. %

Cross Section

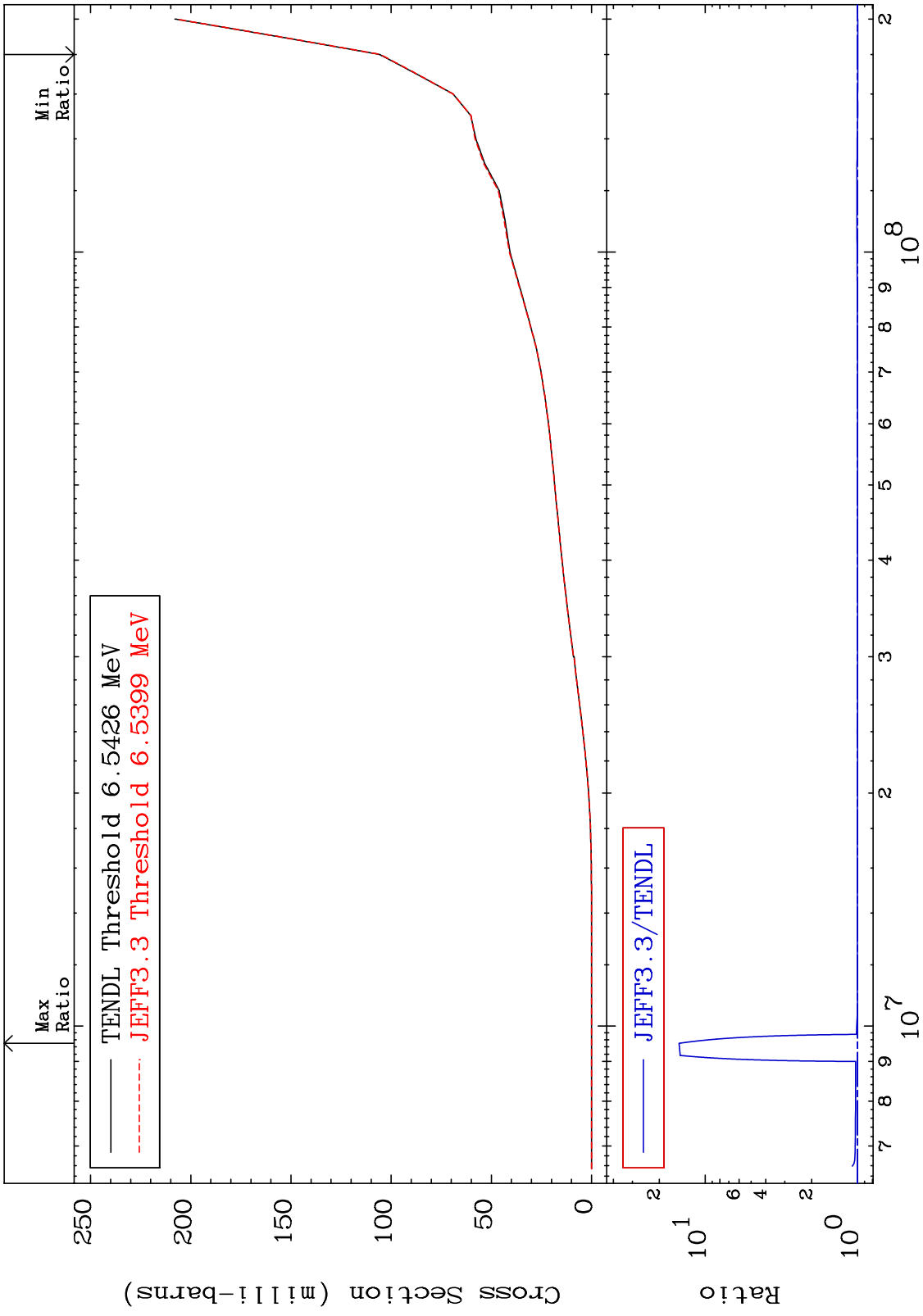




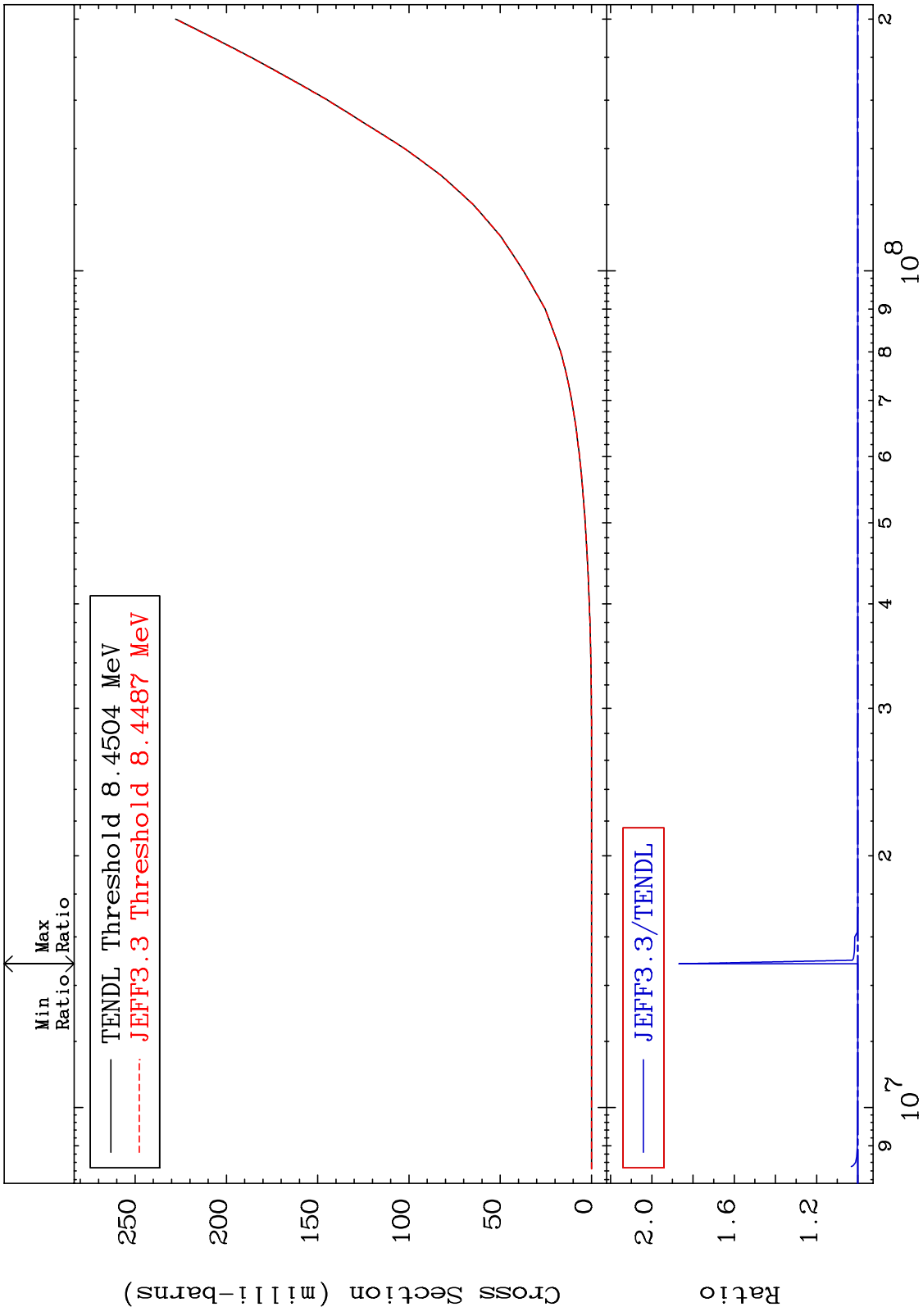
MAT 7049 Deuterium Production Cross Section 70-Yb-176
 -0.435 To 118.2 %



MAT 7049 Tritium Production Cross Section 70-Yb-176 -0.344 To 1384. %



MAT 7049 He-3 Production Cross Section 70-Yb-176 To 86.79 %

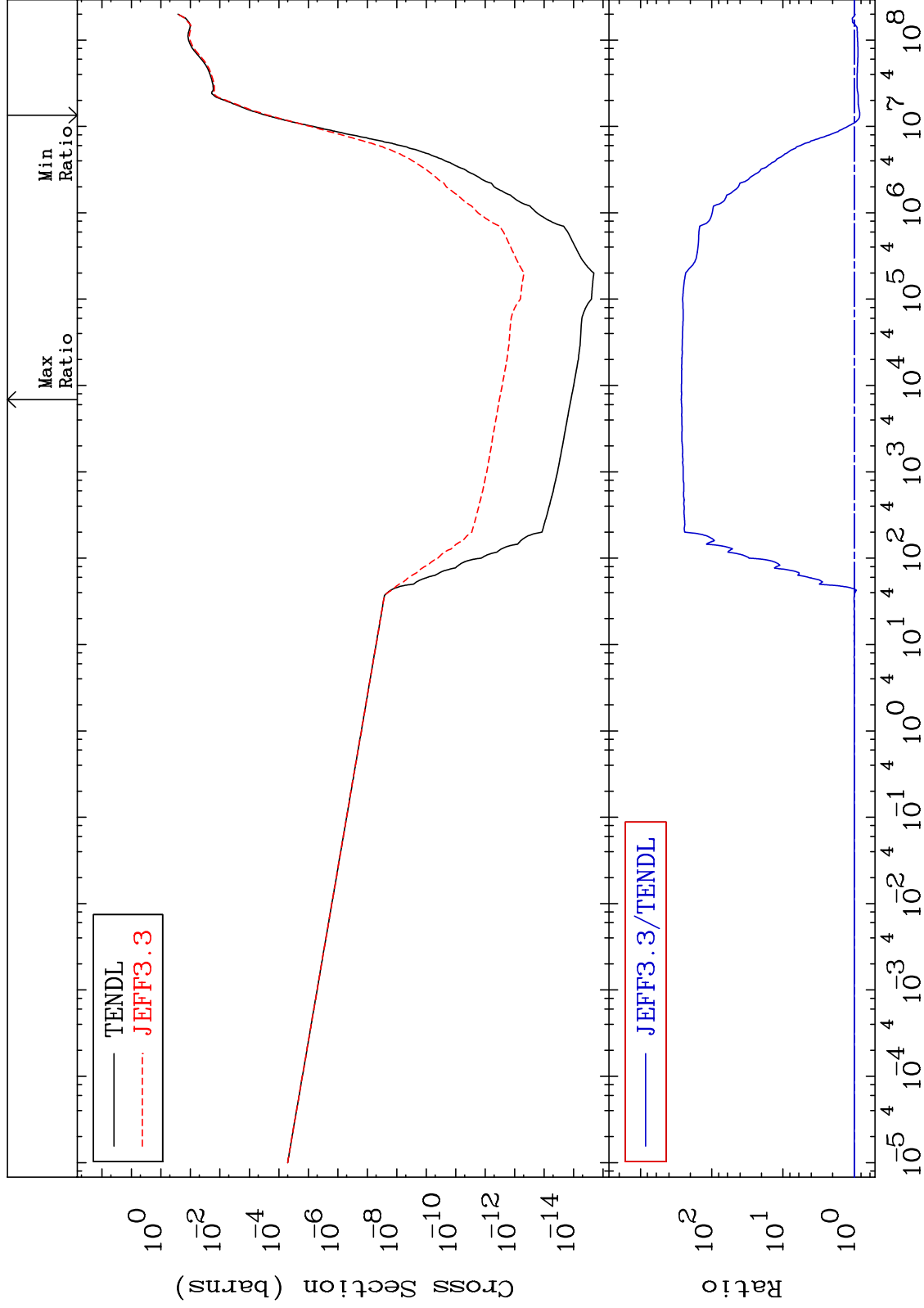


59 70-Yb-176

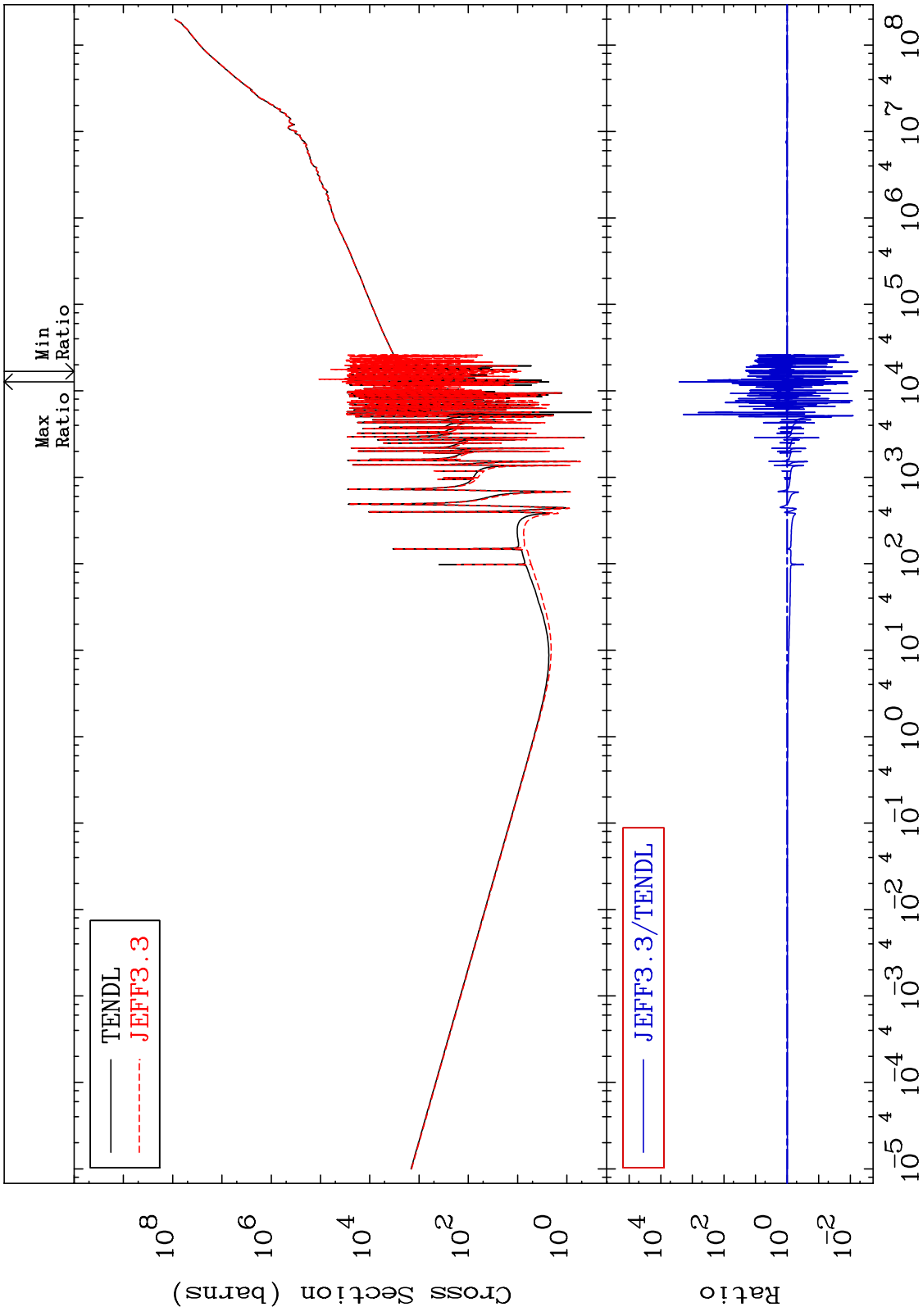
MAT 7049

He-4 Production
Cross Section

70-Yb-176
-16.58 To 9999. %



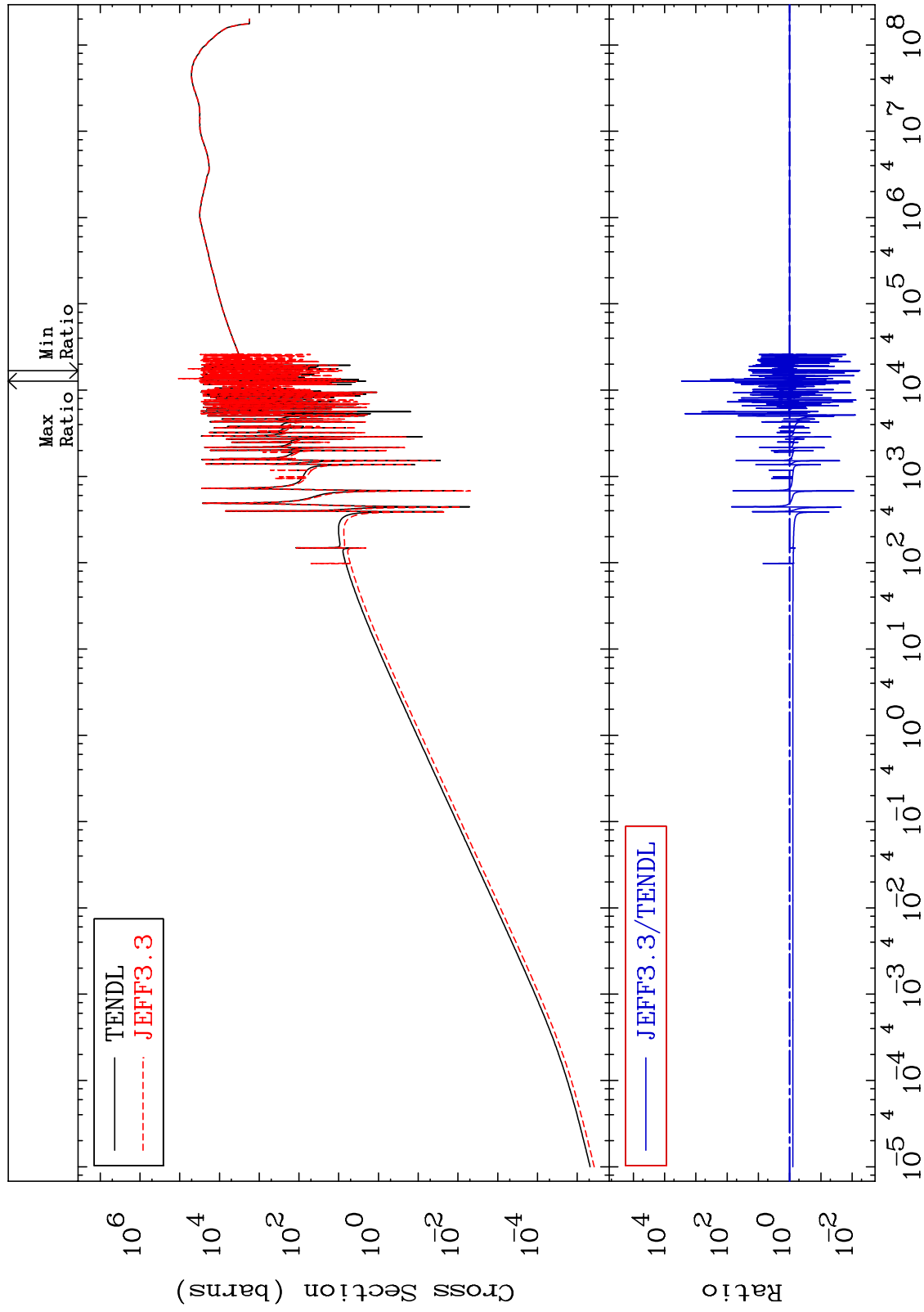
MAT 7049 Kerma total (eV-barns) 70-Yb-176
 Cross Section -99.42 To 9999. %



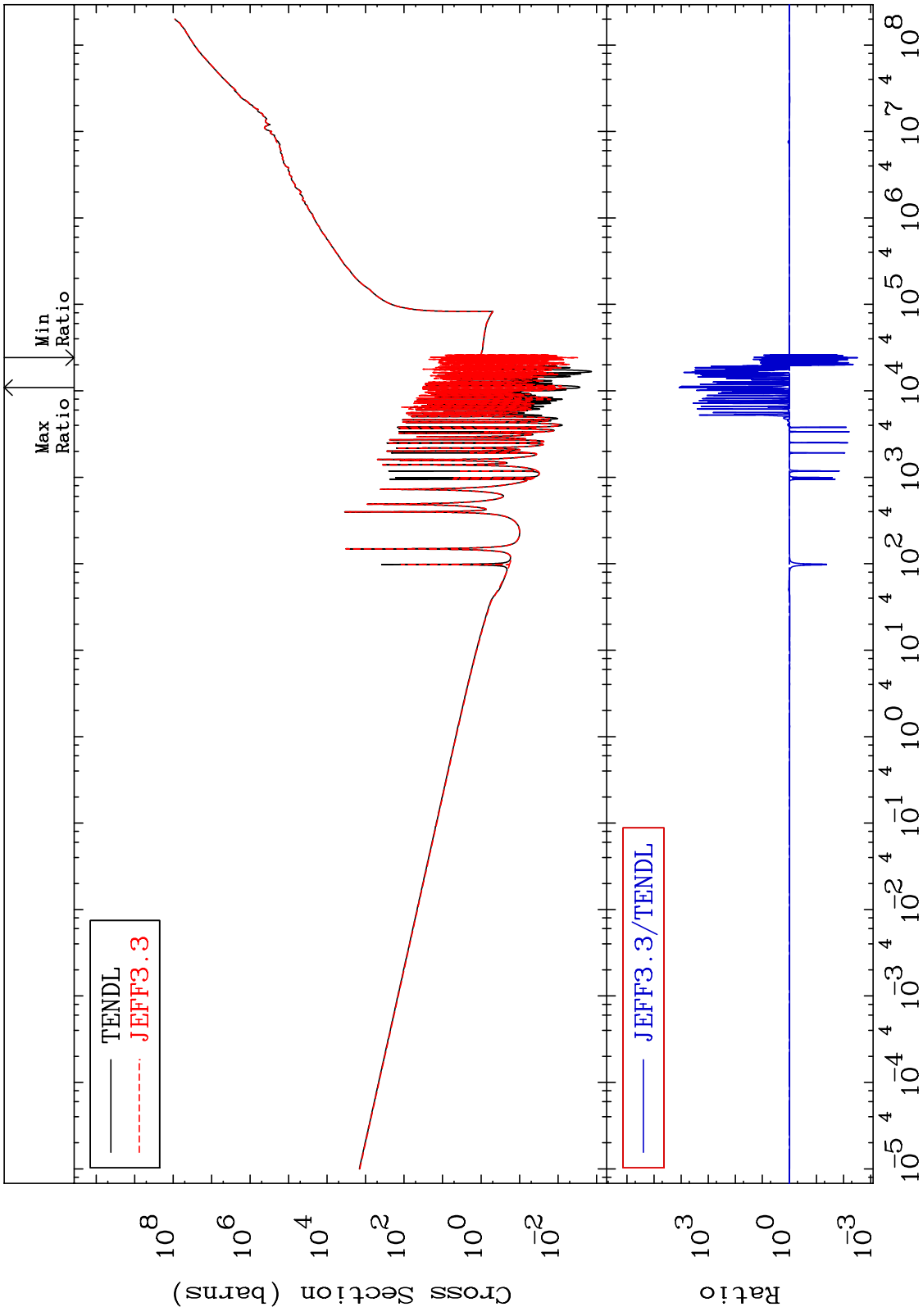
MAT 7049

Kerma elastic
Cross Section

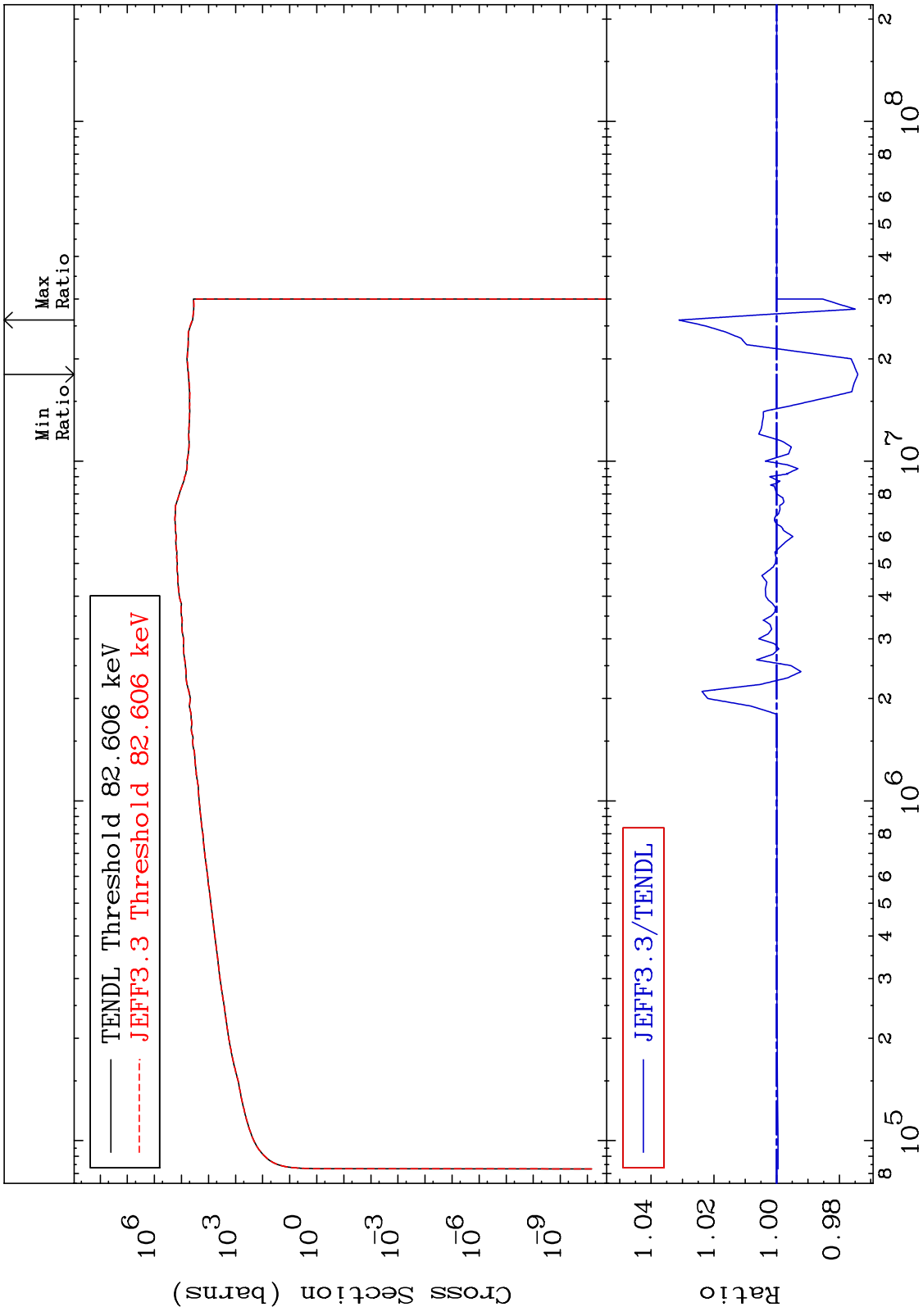
70-Yb-176
-99.43 To 9999. %



MAT 7049 Kerma non-elastic (all but mt2) Cross Section 70-Yb-176
 -99.70 To 9999. %



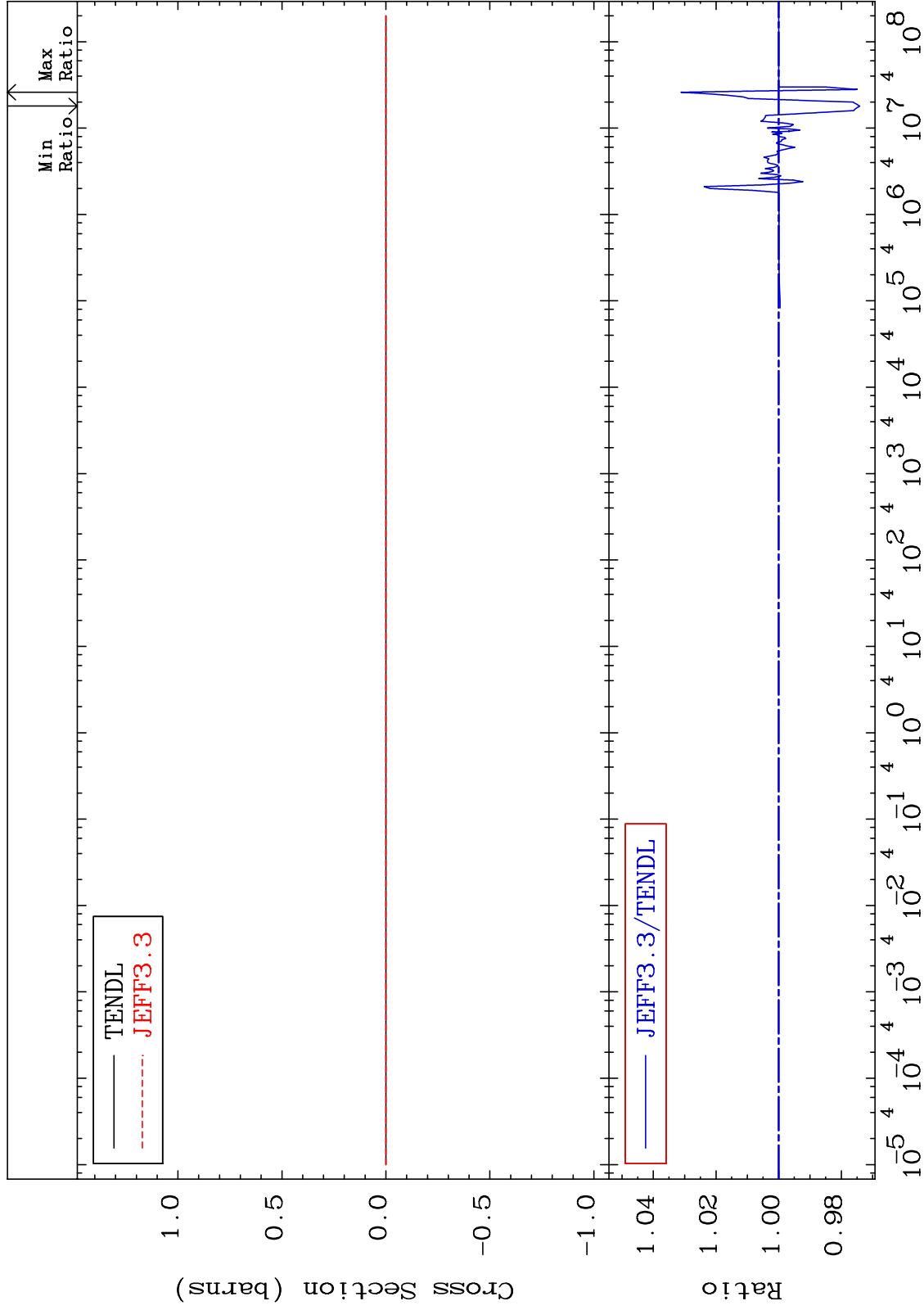
MAT 7049 Kerma inelastic (mt51-91) 70-Yb-176
 Cross Section -2.588 To 3.109 %



MAT 7049

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

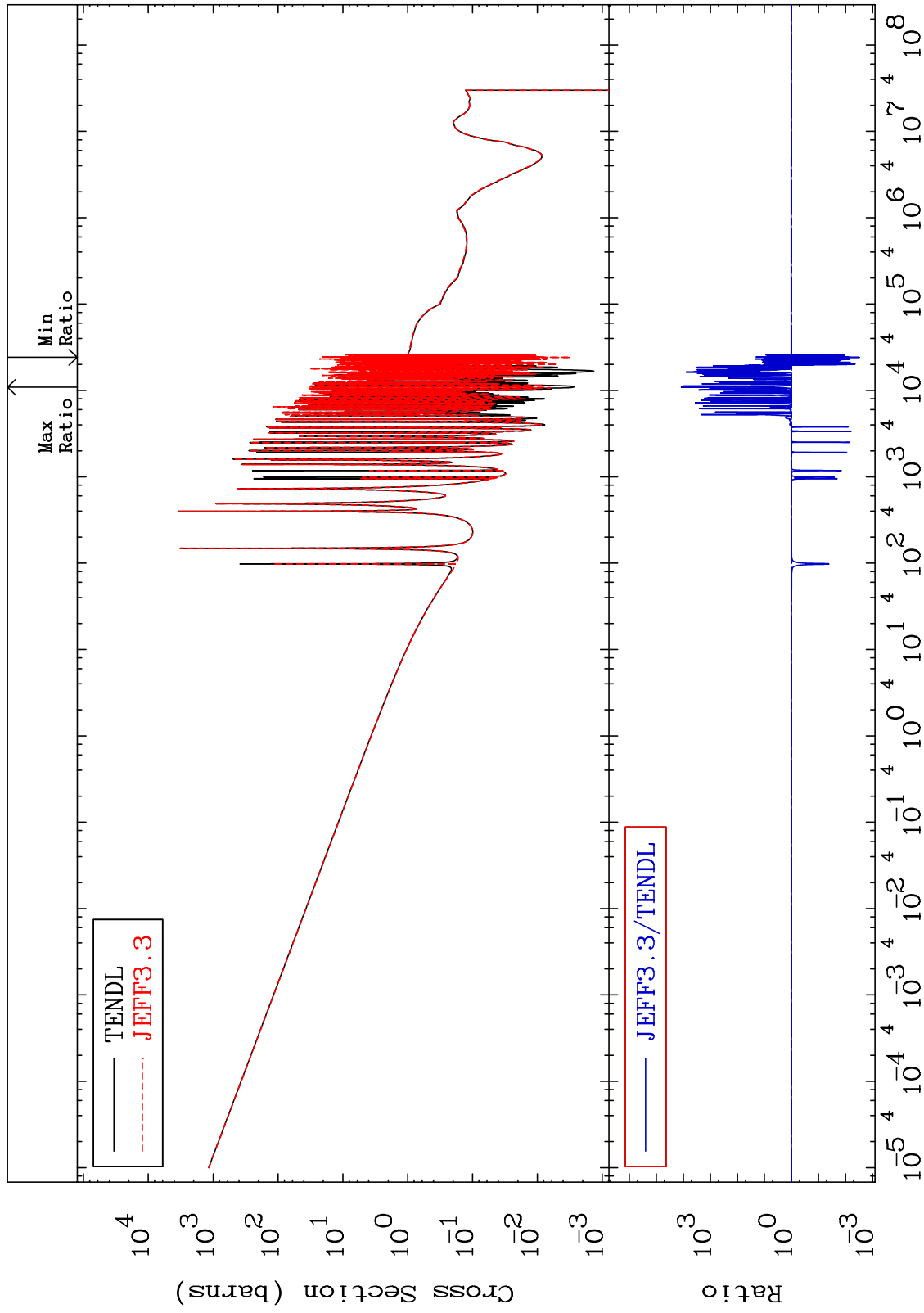
70-Yb-176
-2.588 To 3.109 %



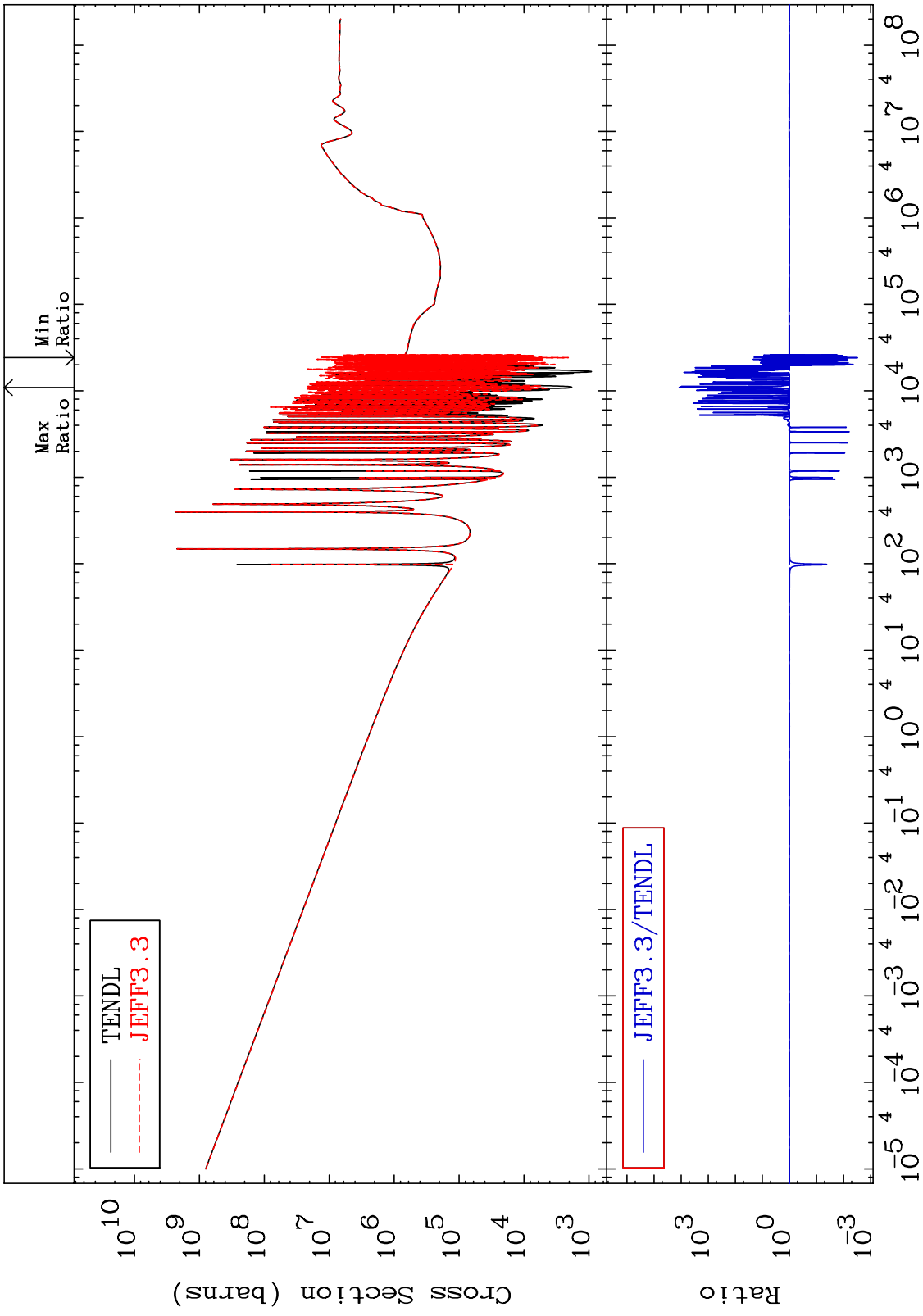
MAT 7049

Kerma capture (mt102)
Cross Section

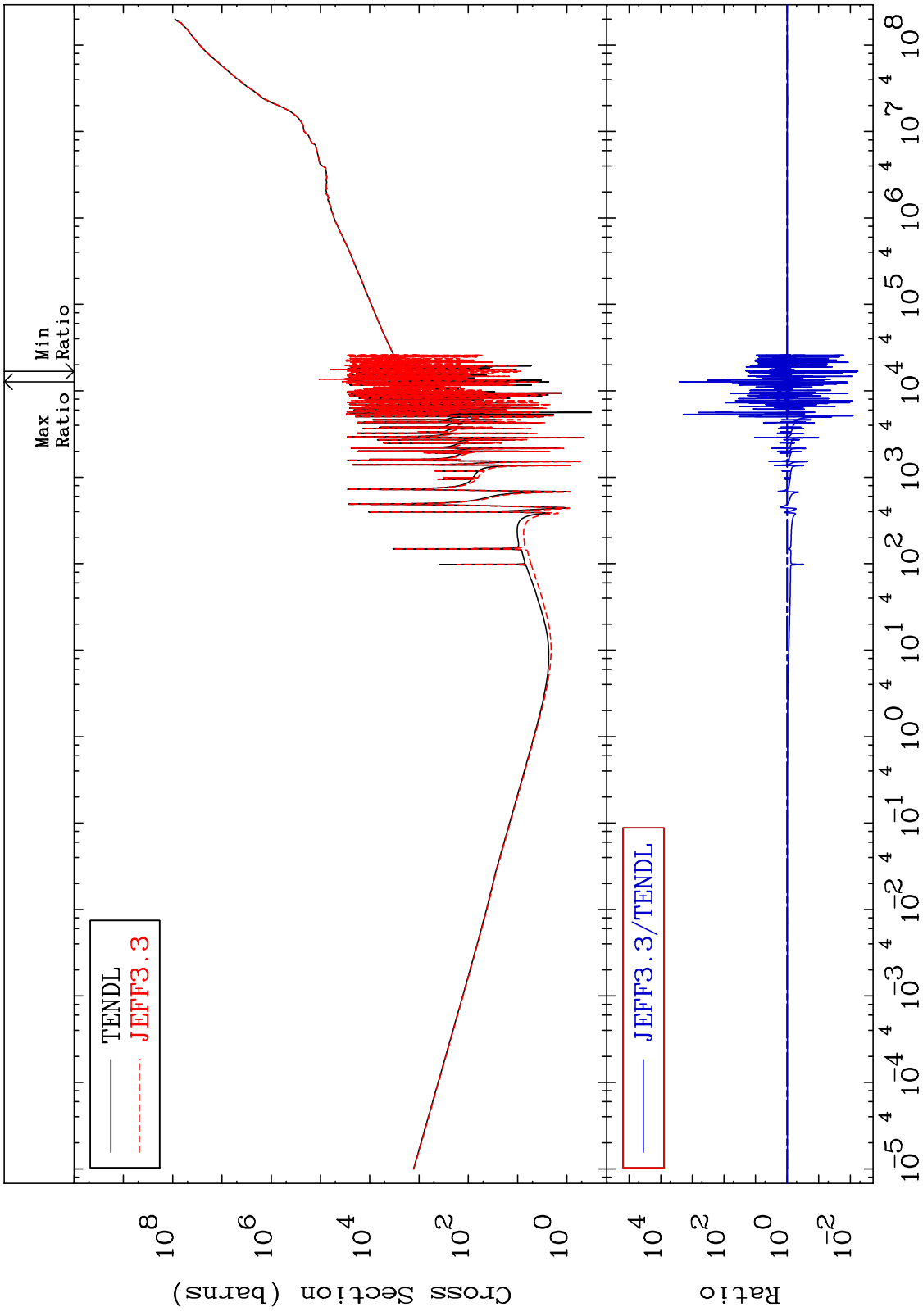
70-Yb-176
-99.70 To 9999. %



MAT 7049 Total photon (eV-barns) Cross Section 70-Yb-176 -99.70 To 9999. %



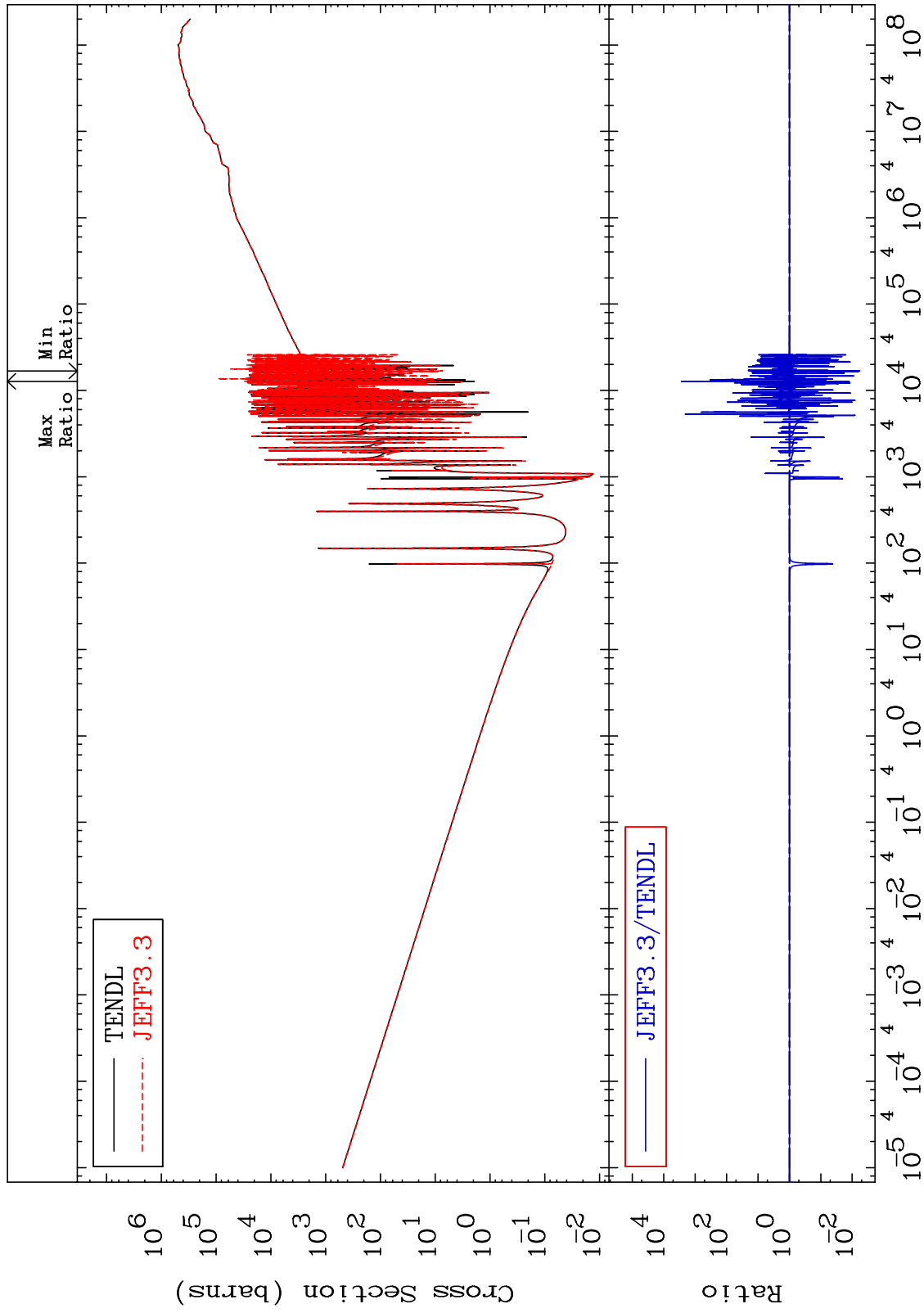
MAT 7049 Total kinematic kerma (high limit) 70-Yb-176
 Cross Section -99.42 To 9999. %



MAT 7049

Dpa total (eV-barns)
Cross Section

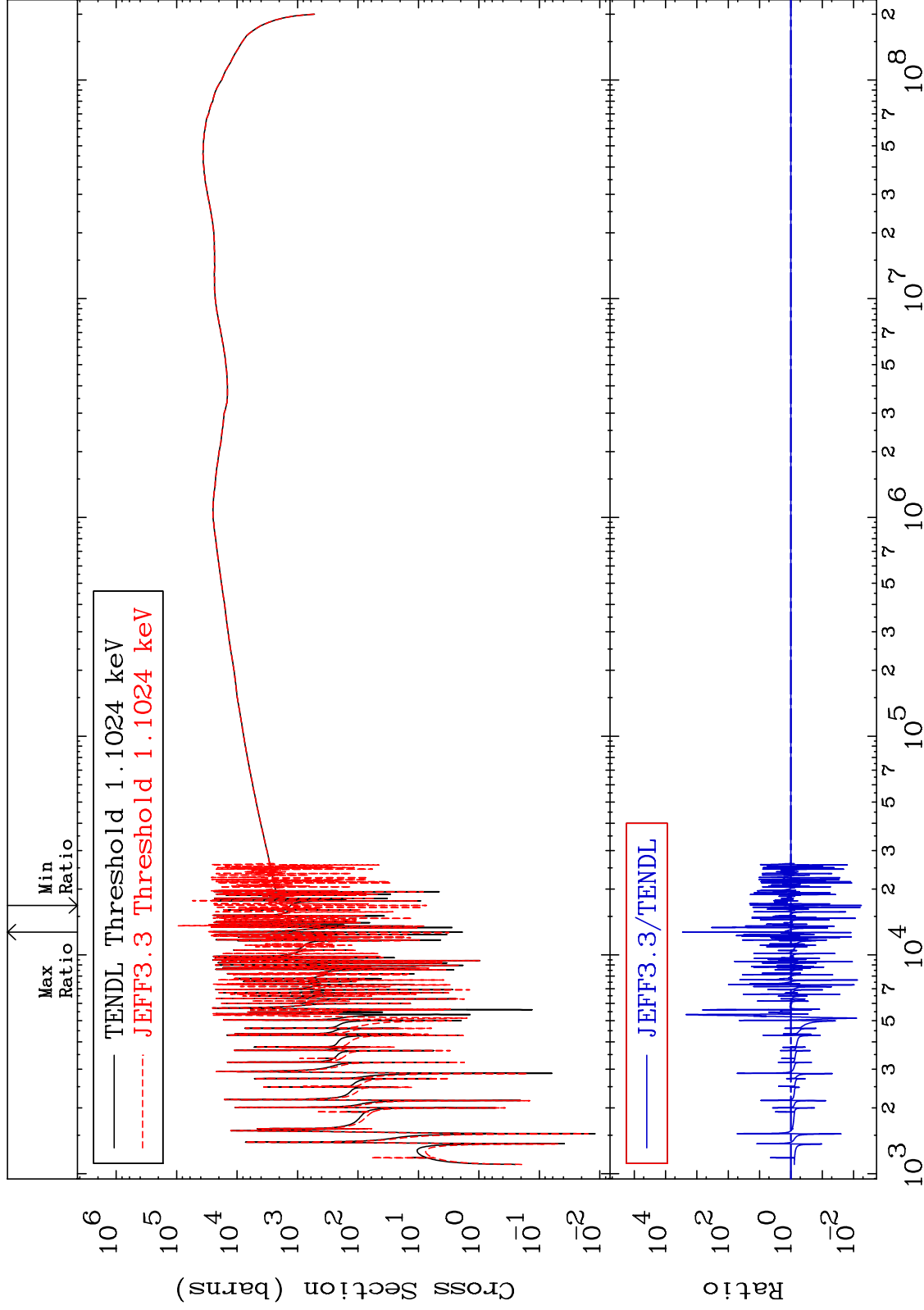
70-Yb-176
-99.43 To 9999. %



MAT 7049

Dpa elastic (mt2)
Cross Section

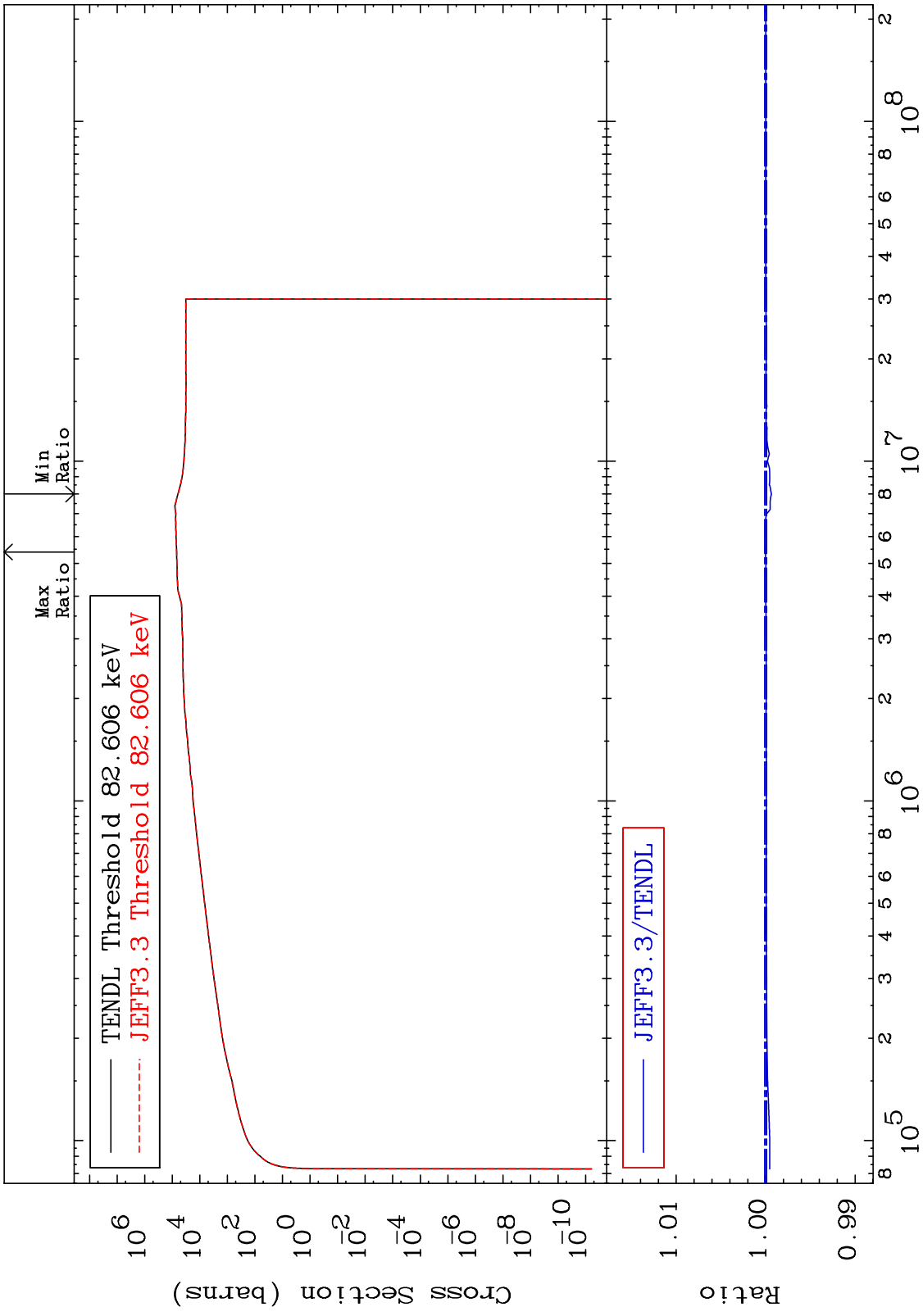
70-Yb-176
-99.43 To 9999. %



70

Incident Energy (eV)

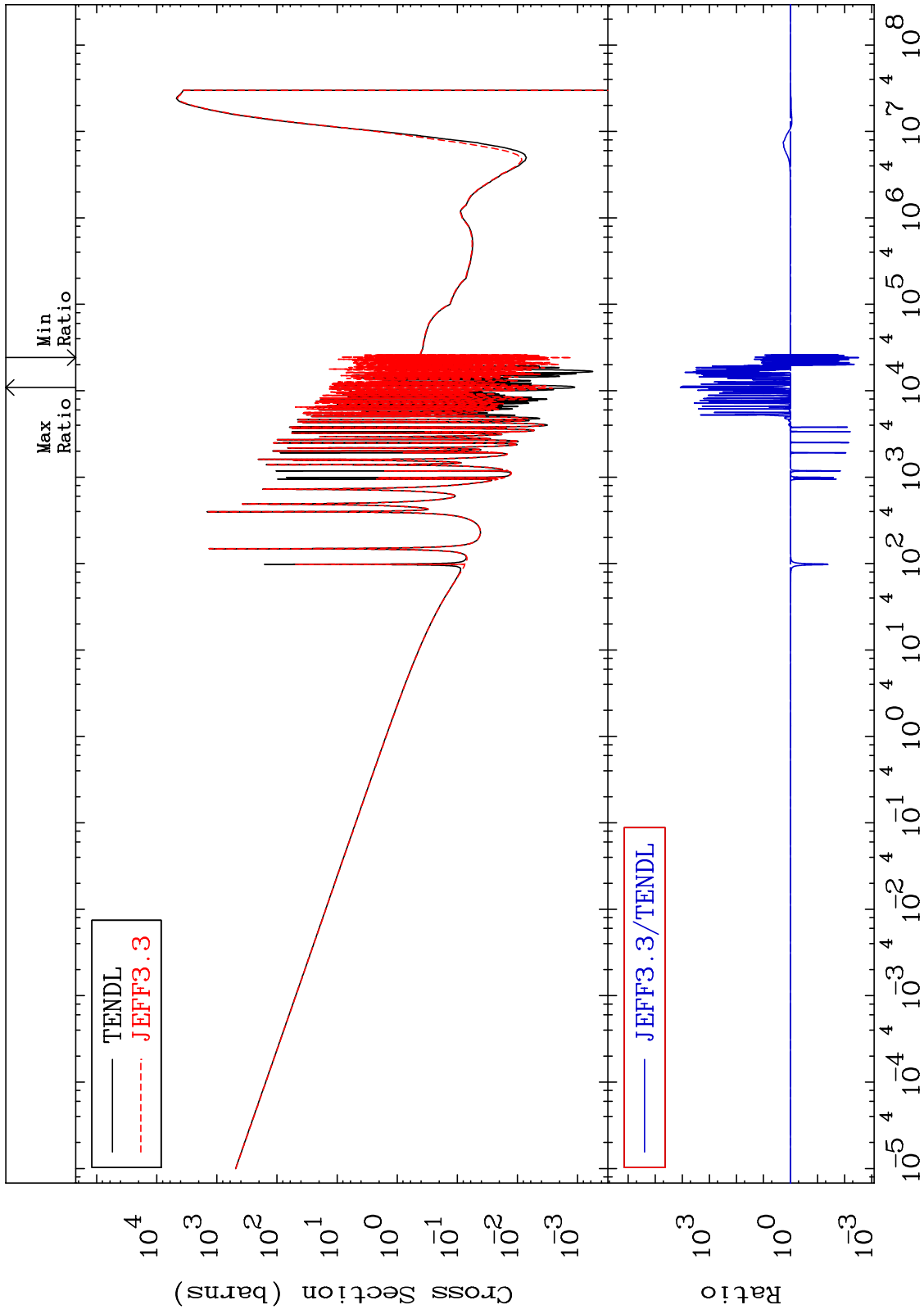
70-Yb-176



MAT 7049

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-176
-99.70 To 9999. %



72

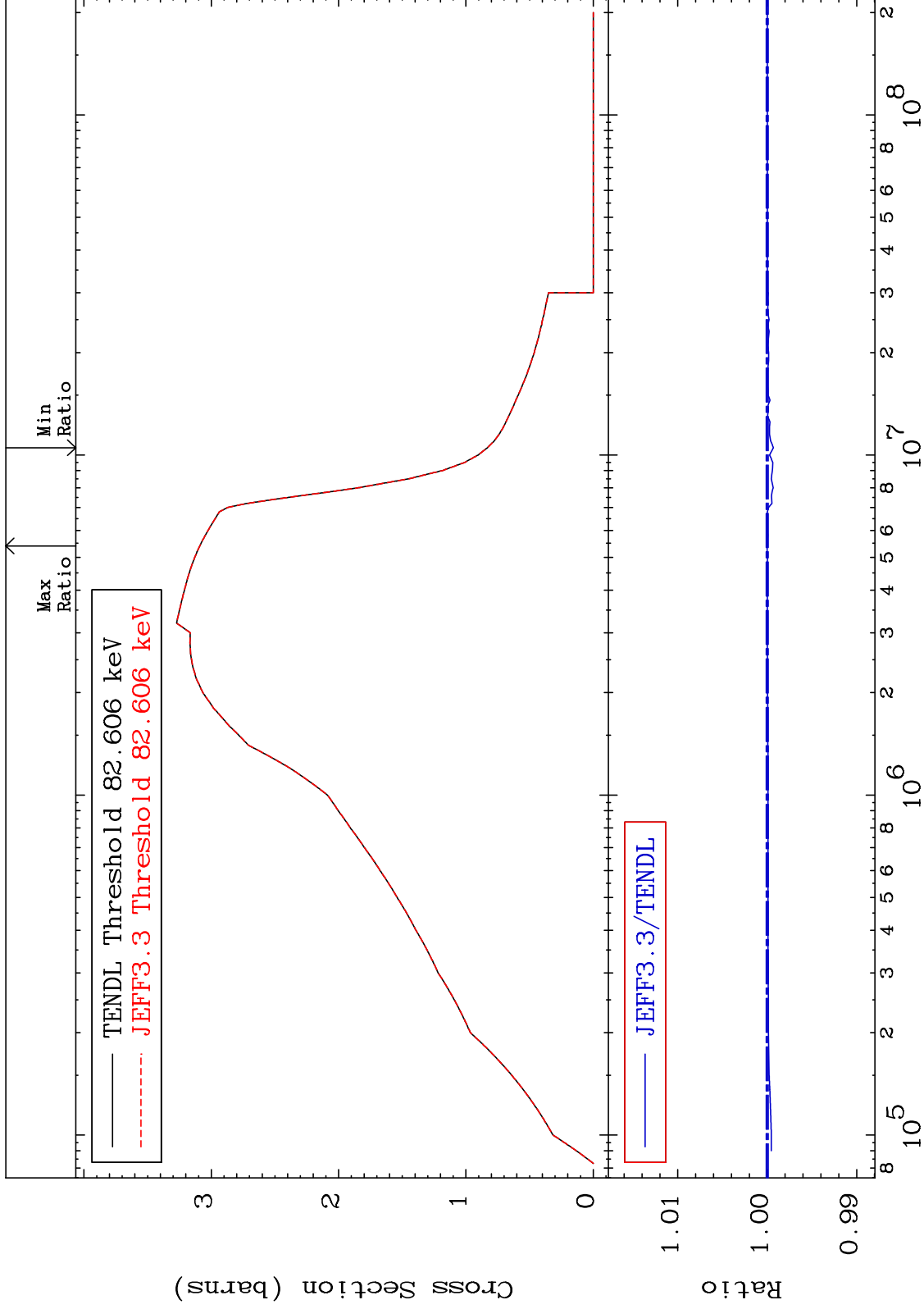
Incident Energy (eV)

70-Yb-176

MAT 7049

Inelastic: 70-Yb-176g
Radionuclide Production Cross Section -0.069 To 0.002 %

70-Yb-176



73

Incident Energy (eV)

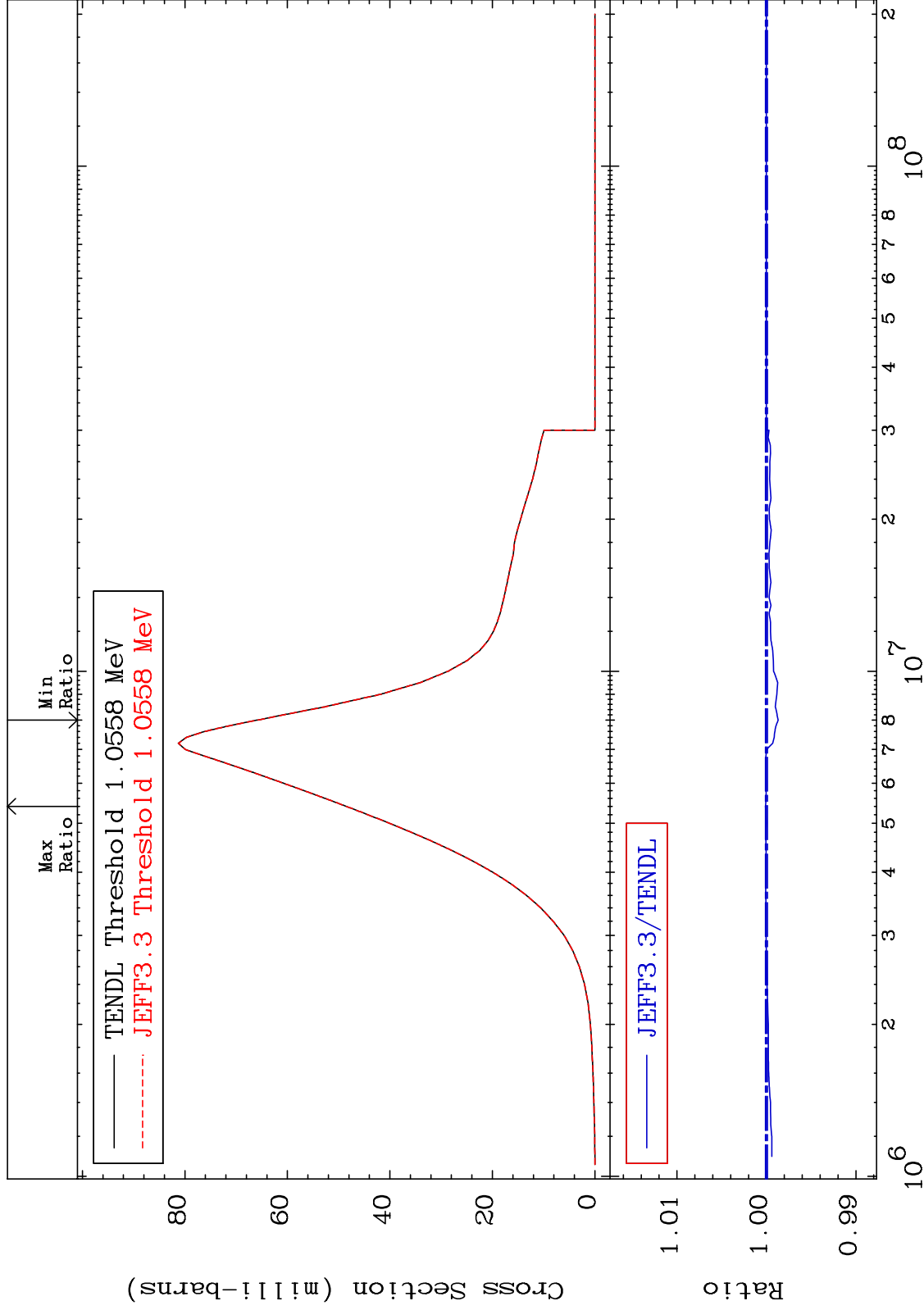
70-Yb-176

MAT 7049

Inelastic: 70-Yb-176m5

70-Yb-176

Radionuclide Production Cross Section -0.131 To 0.010 %



74

Incident Energy (eV)

70-Yb-176