

Program Complot
(Version 2018-1)

by

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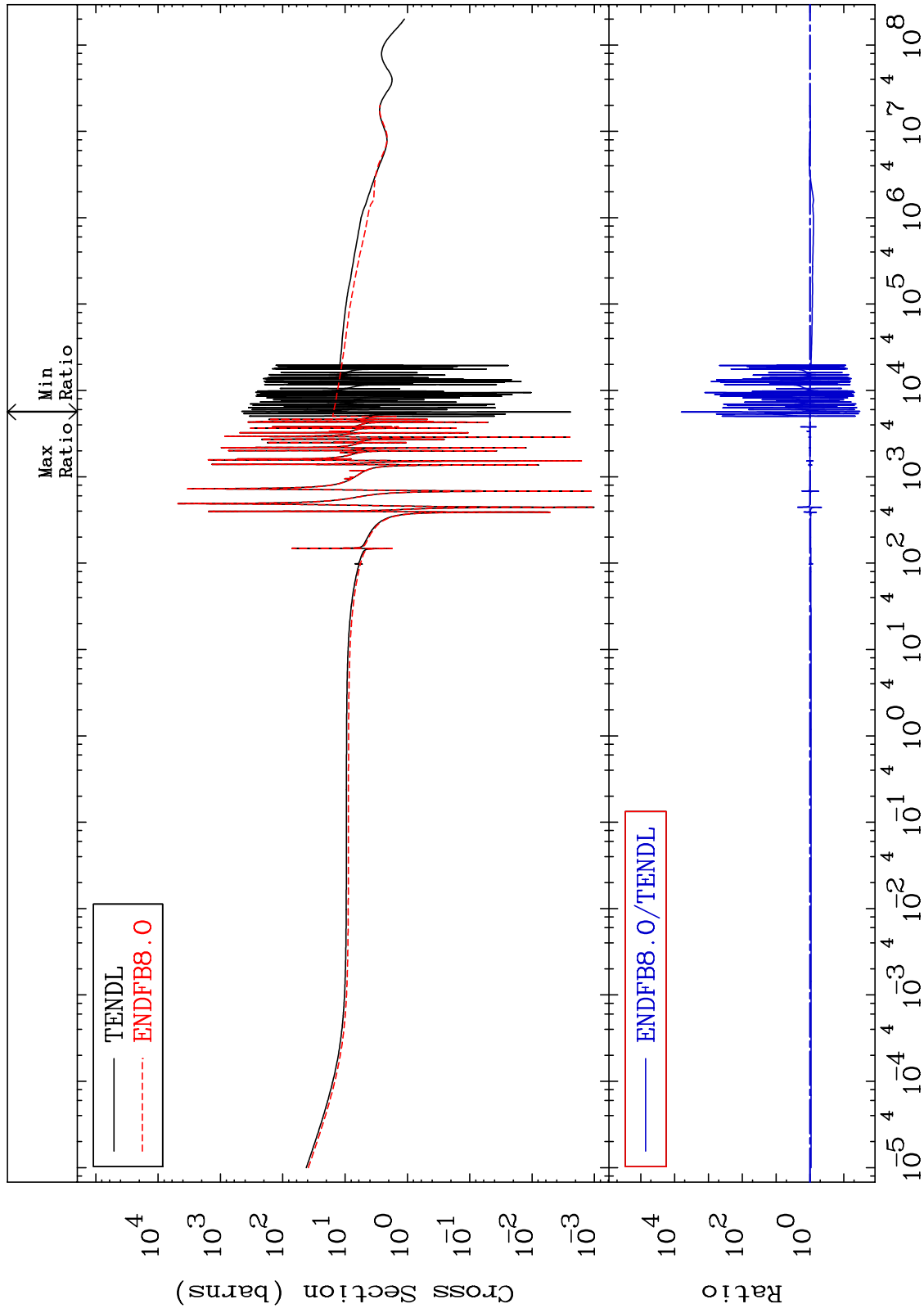
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

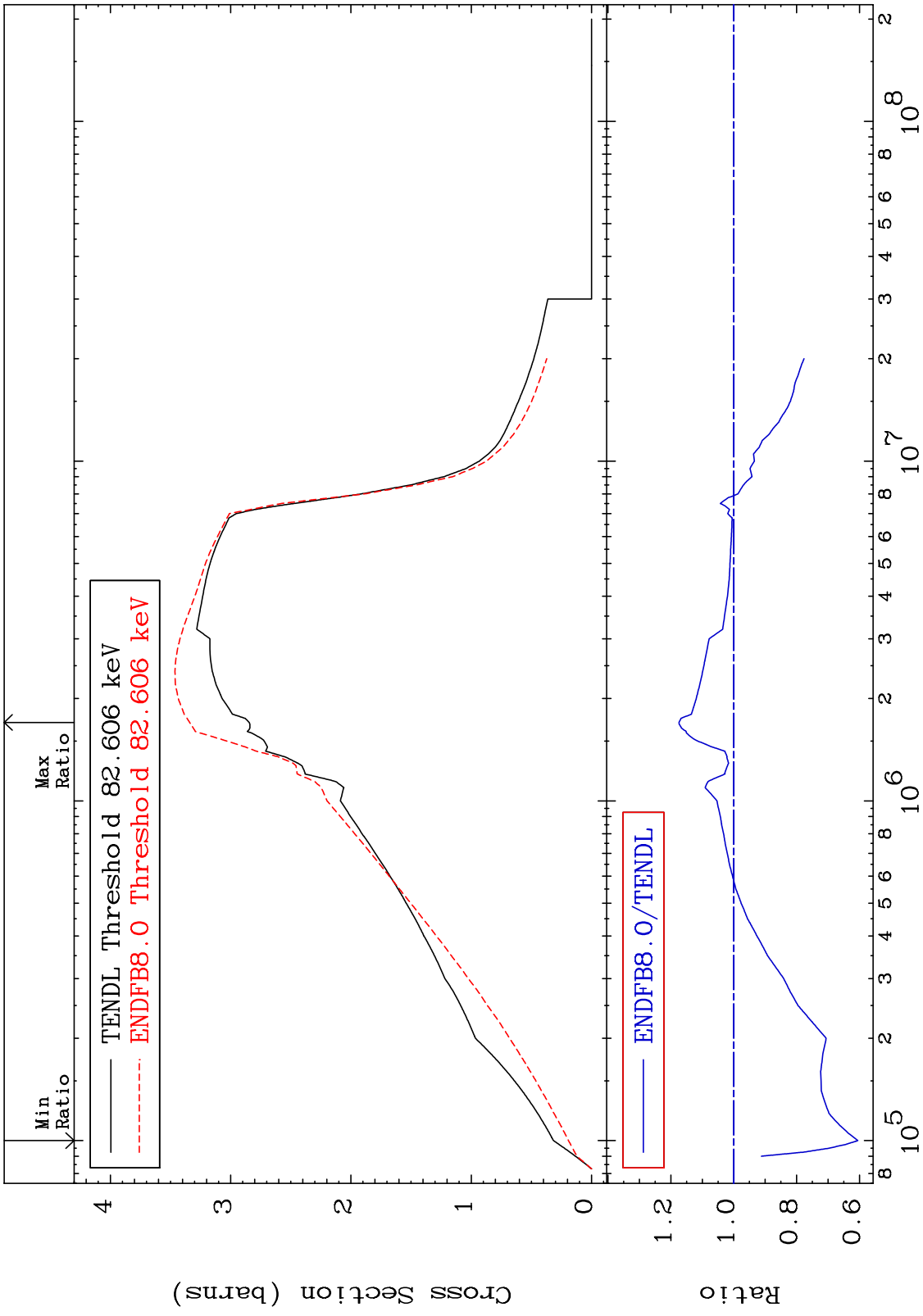
MAT 7049

Elastic
Cross Section

70-Yb-176
-96.62 To 9999. %

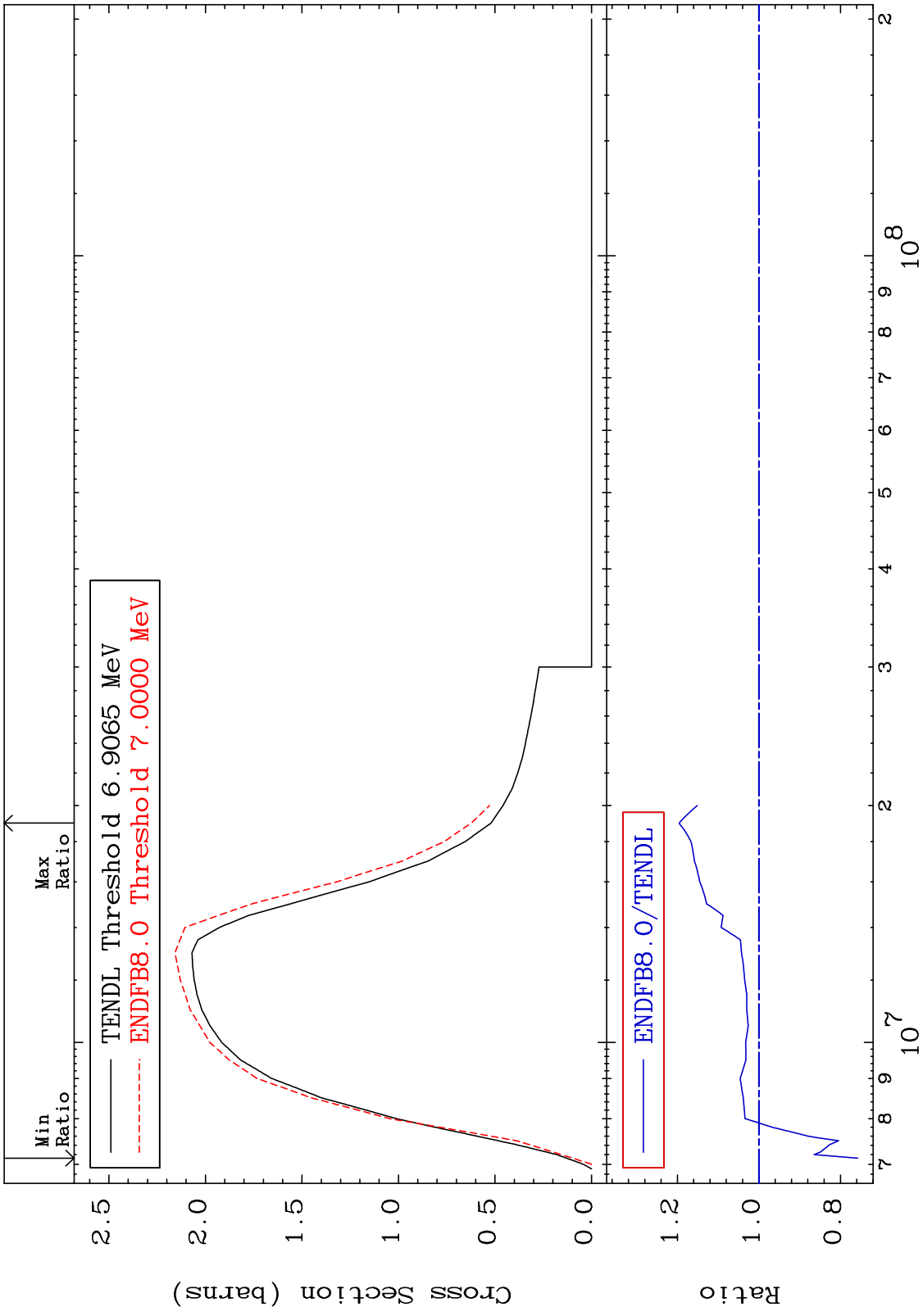


MAT 7049 Inelastic Cross Section 70-Yb-176 -39.48 To 17.39 %



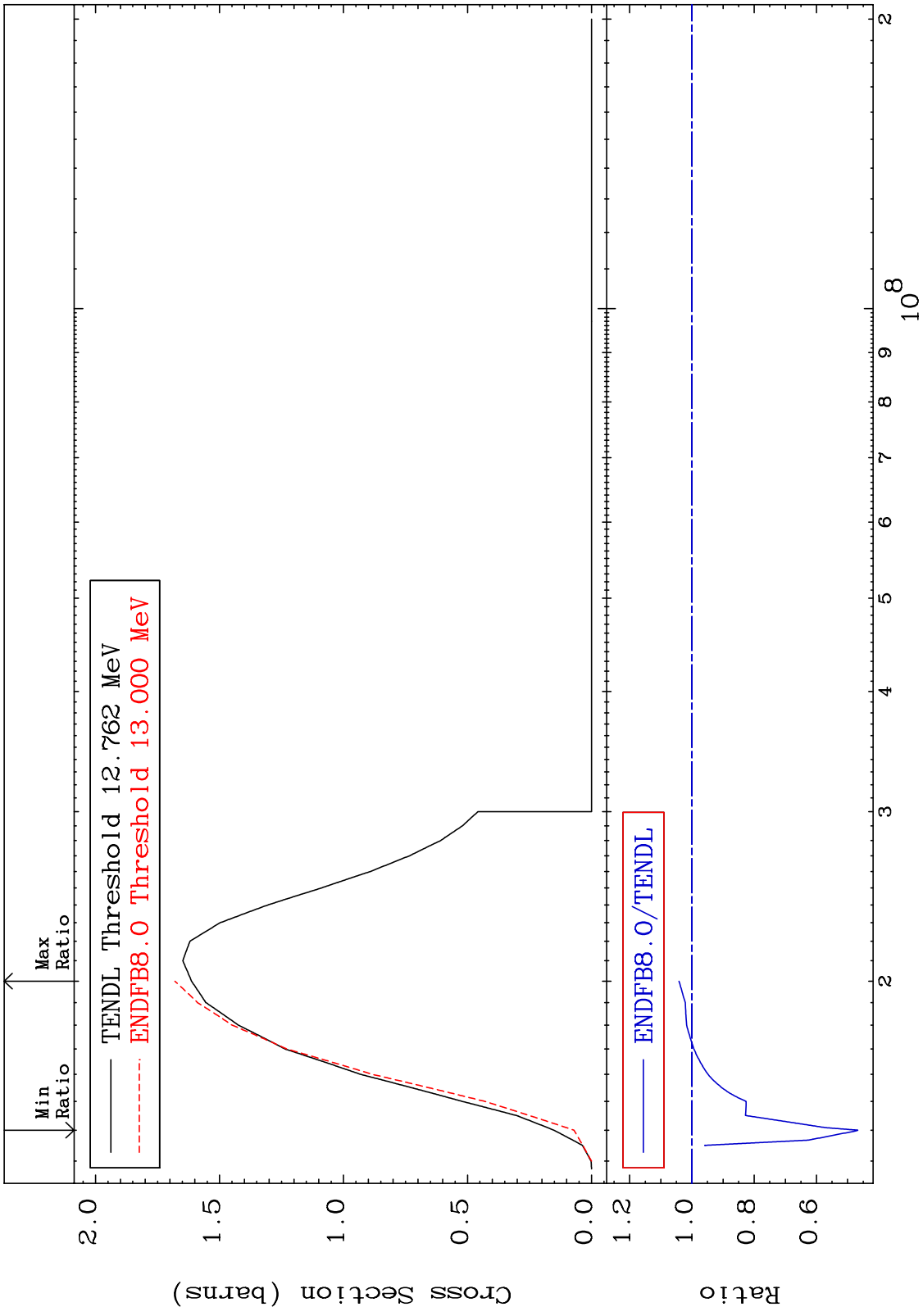
3 Incident Energy (eV) 70-Yb-176

MAT 7049 70-Yb-176
-24.27 To 19.59 %
 (n,2n)
 Cross Section



4 70-Yb-176

MAT 7049 $(n, 3n)$ Cross Section $^{70}\text{Yb-176}$ -53.29 To 4.140 %



5 Incident Energy (eV) $^{70}\text{Yb-176}$

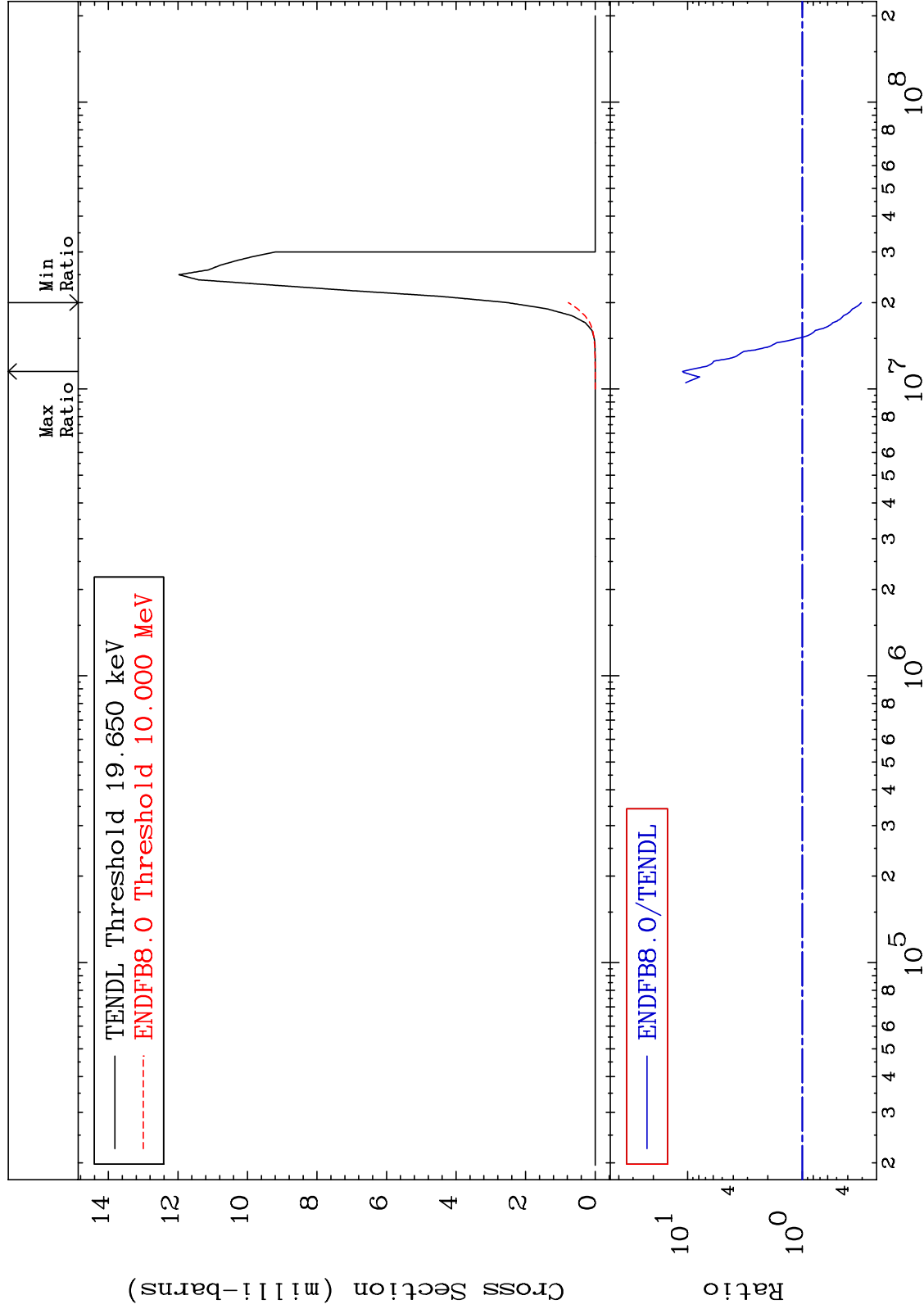
MAT 7049

$(n, n') \alpha$

Cross Section

70-Yb-176

-69.53 To 1006. %

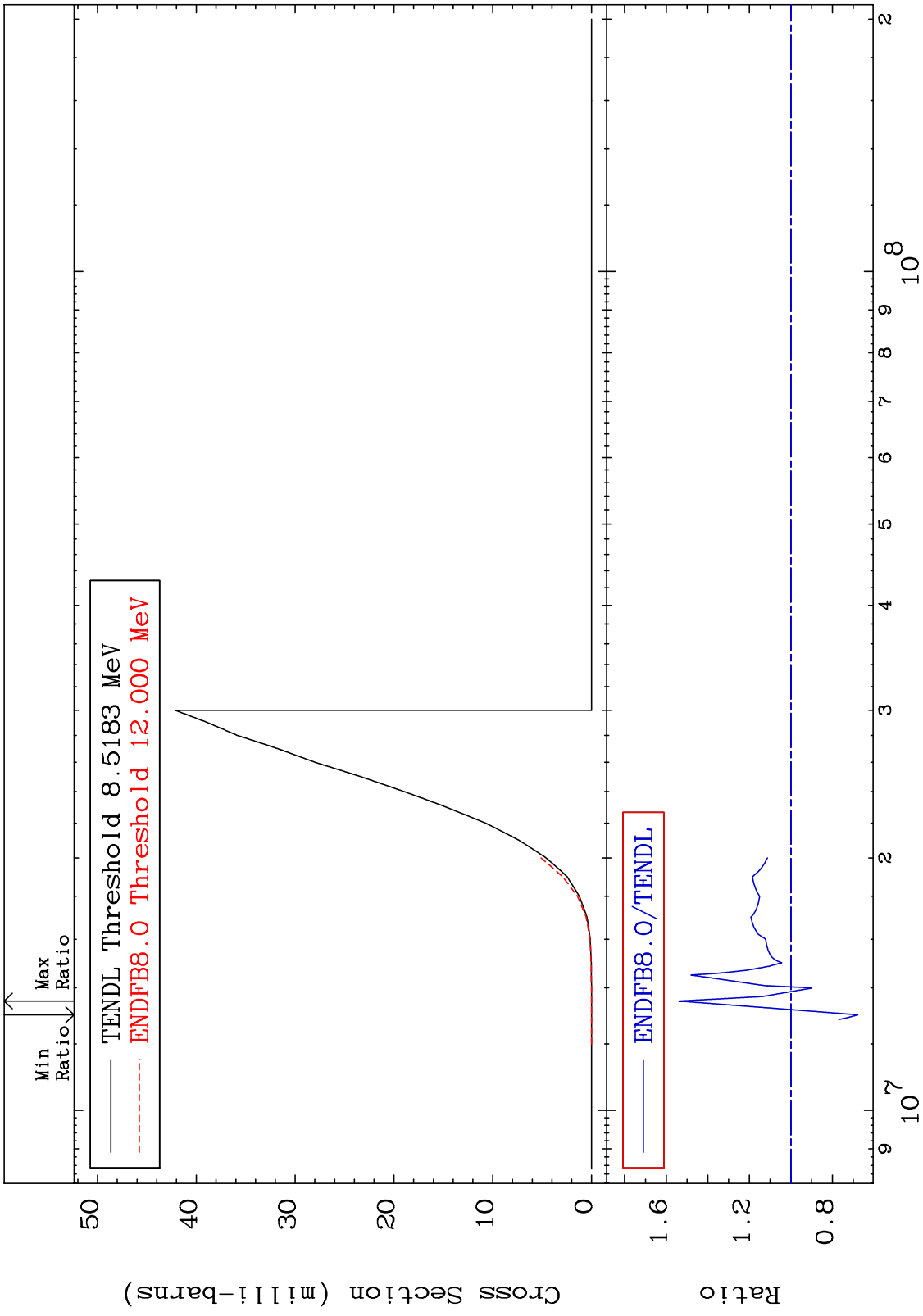


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Incident Energy (eV)

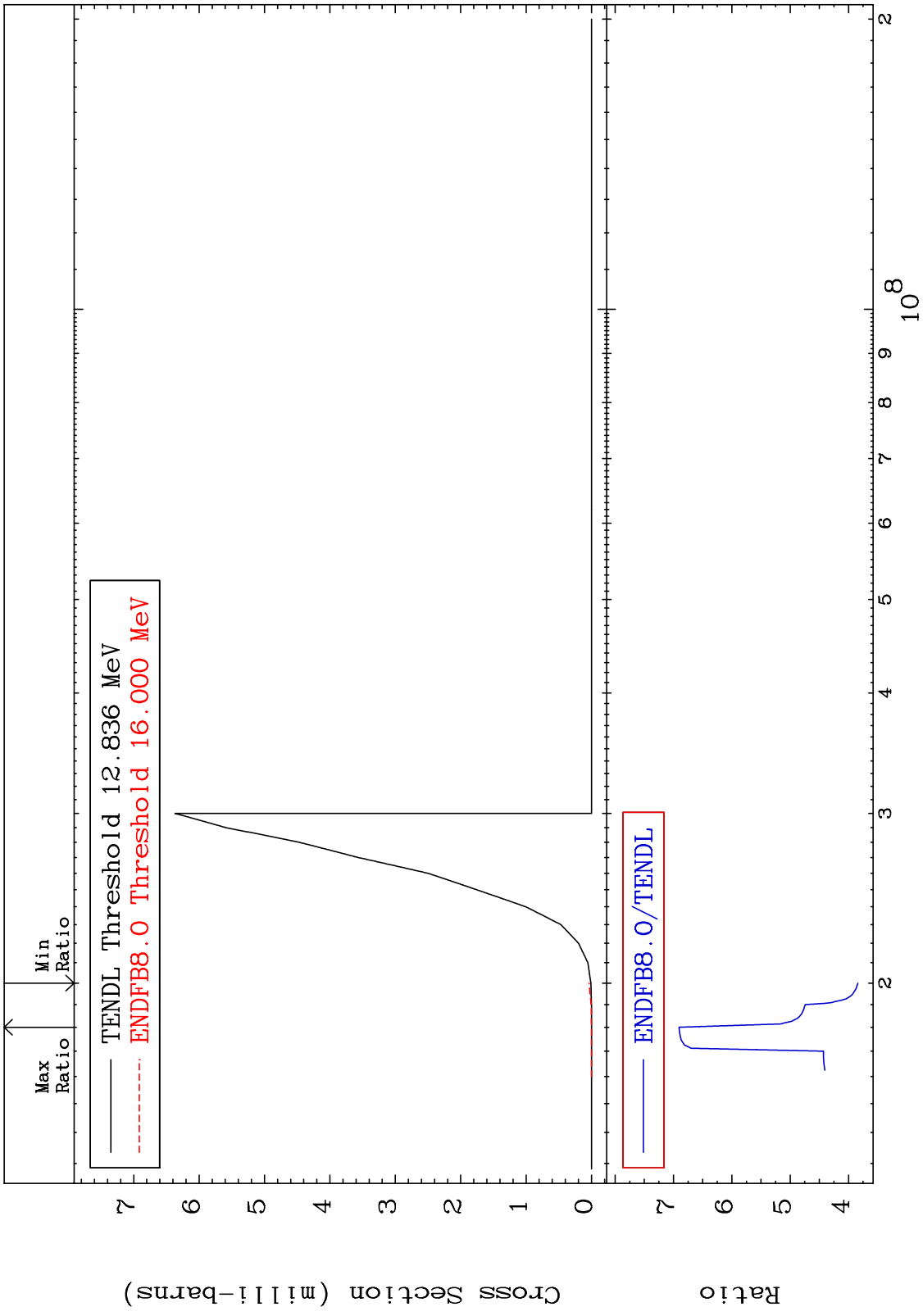
70-Yb-176

MAT 7049 (n,n') p 70-Yb-176
Cross Section -32.20 To 53.83 %

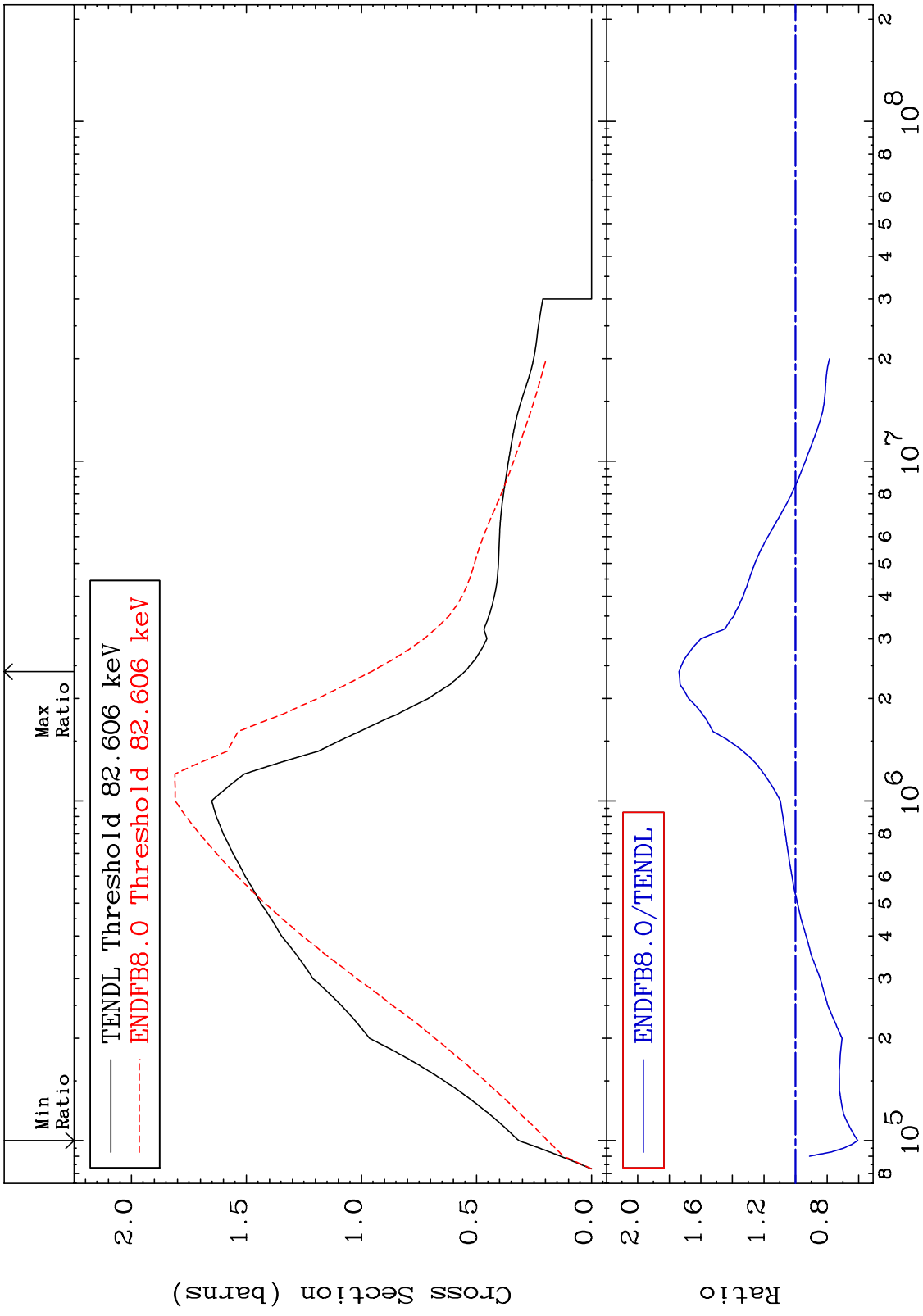


70-Yb-176 Incident Energy (eV)

MAT 7049 (n,n') d 70-Yb-176
 Cross Section 284.0 To 590.5 %

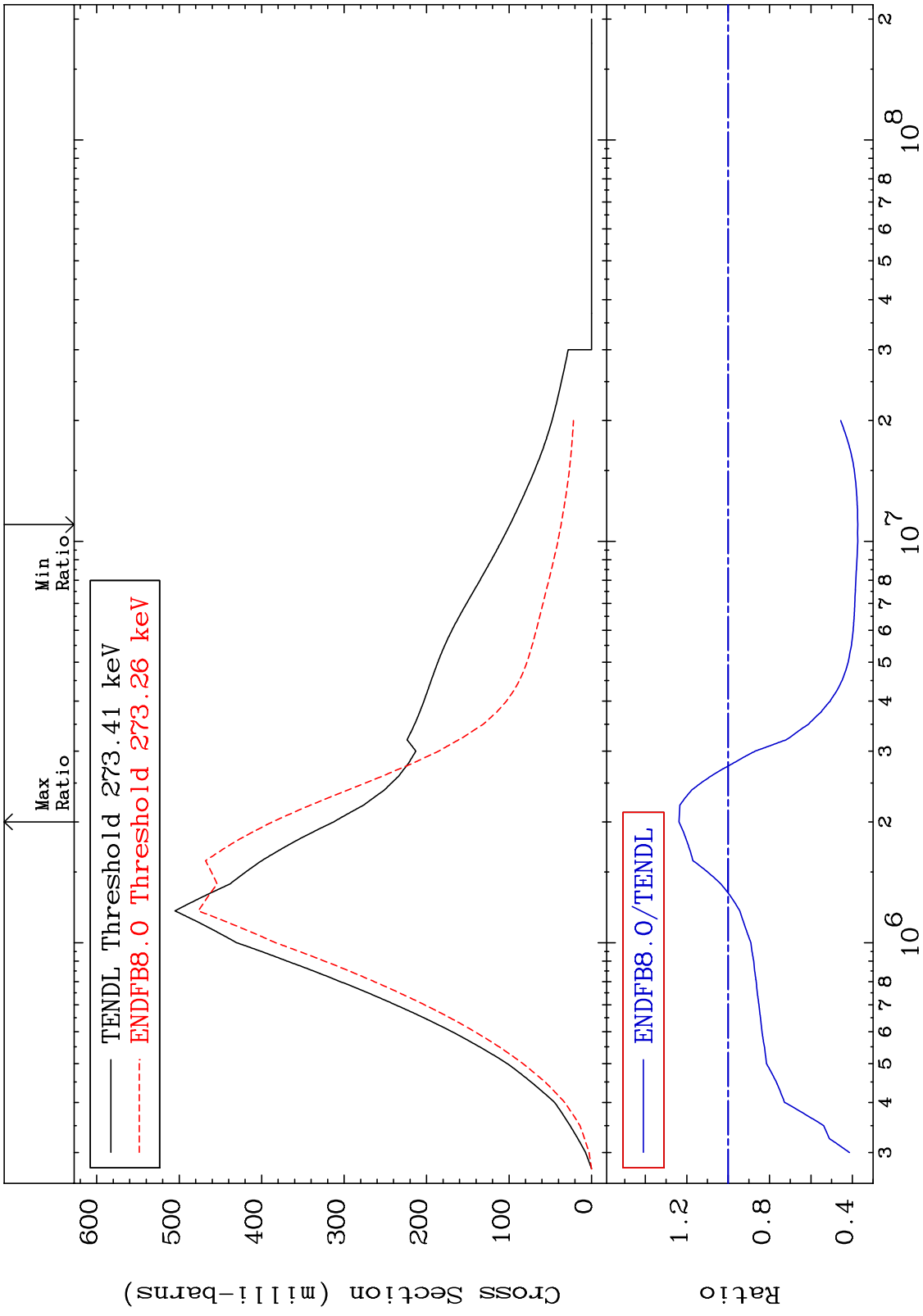


MAT 7049 MT= 51 (n,n') Level Cross Section -39.48 To 73.81 % 70-Yb-176



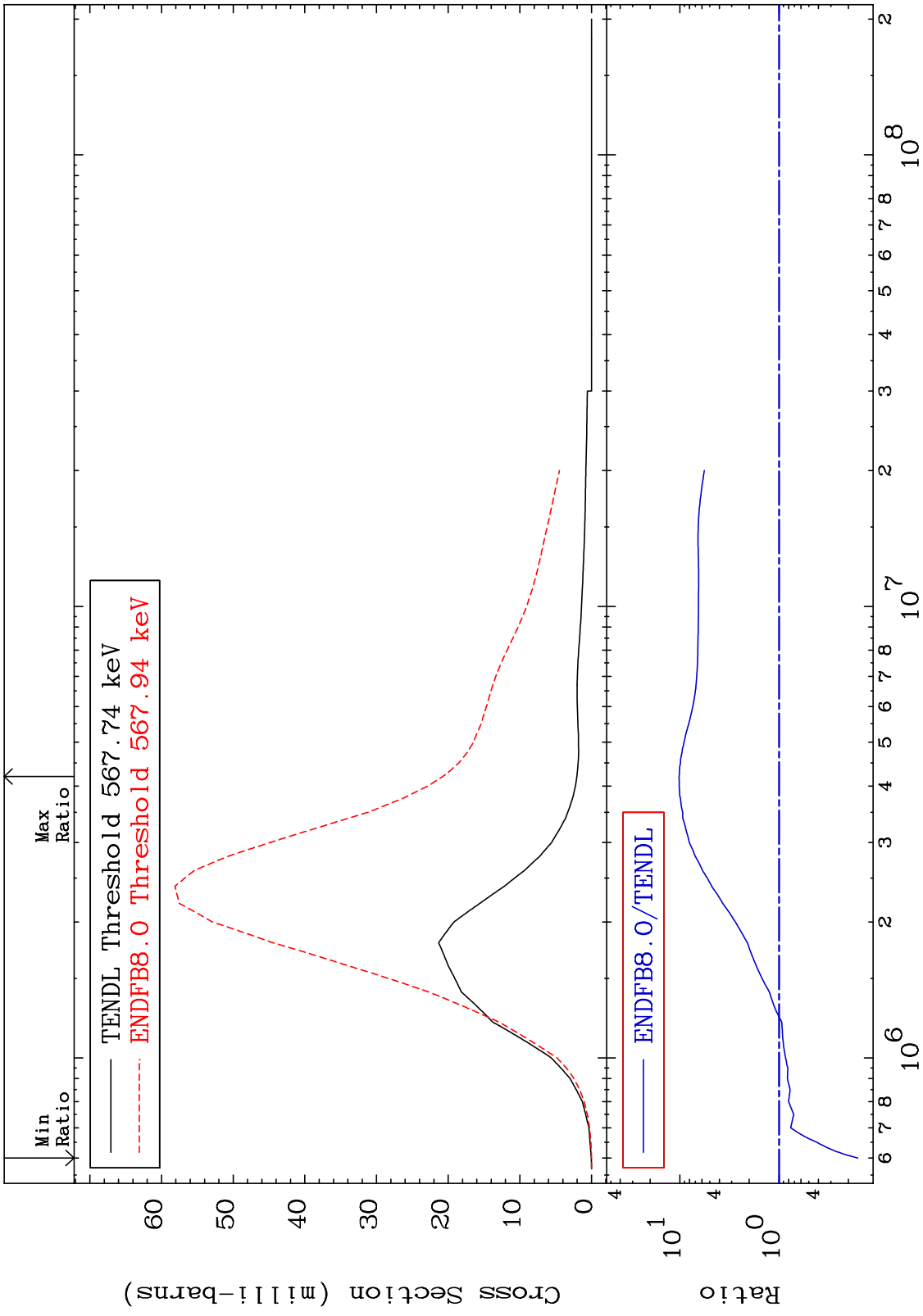
9 Incident Energy (eV) 70-Yb-176

MAT 7049 MT= 52 (n,n') Level 70-Yb-176
 Cross Section -62.68 To 23.74 %



10 Incident Energy (eV) 70-Yb-176

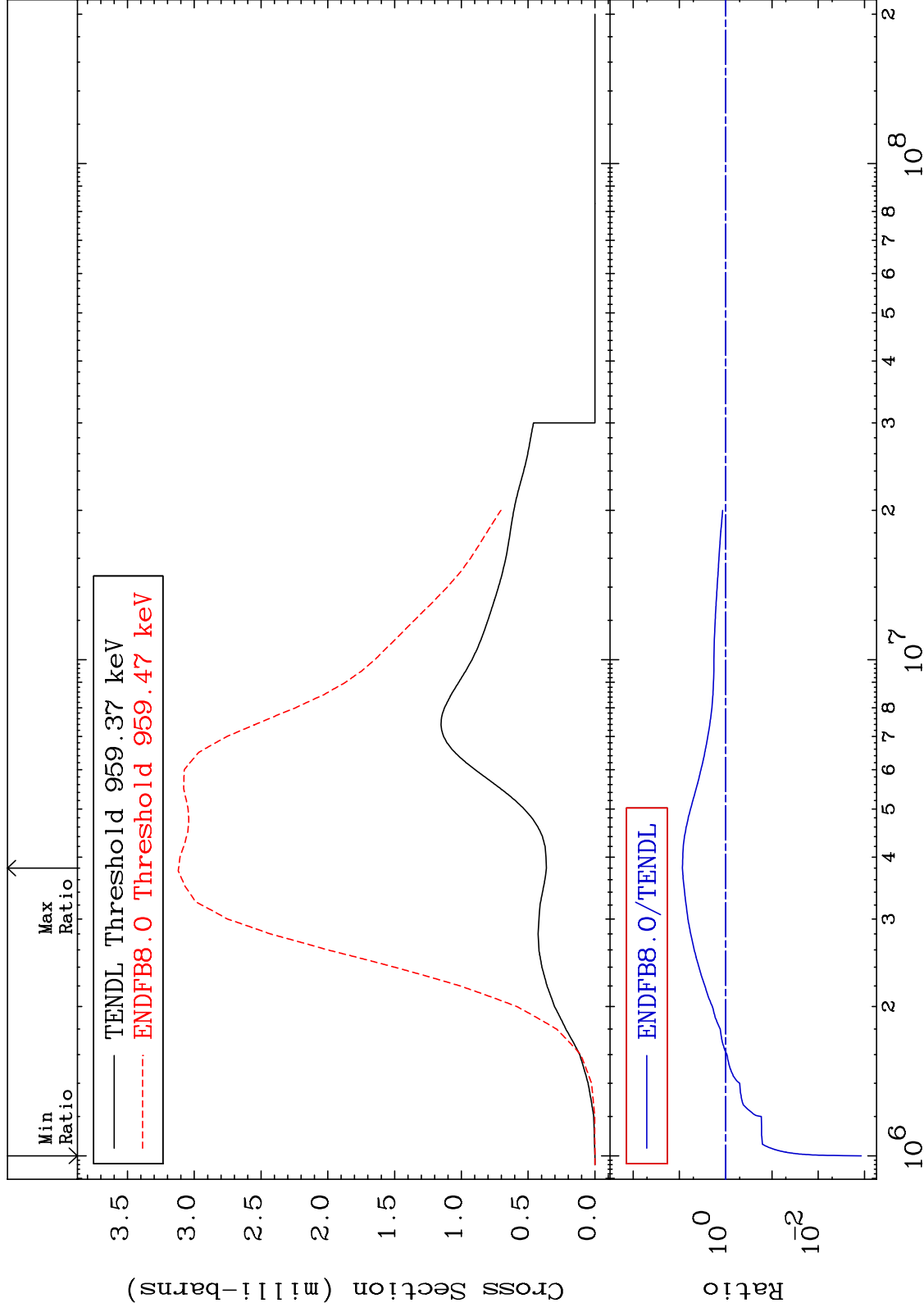
MAT 7049 MT= 53 (n,n') Level Cross Section 70-Yb-176
 -83.98 To 920.9 %



MAT 7049

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

70-Yb-176
-99.88 To 759.2 %

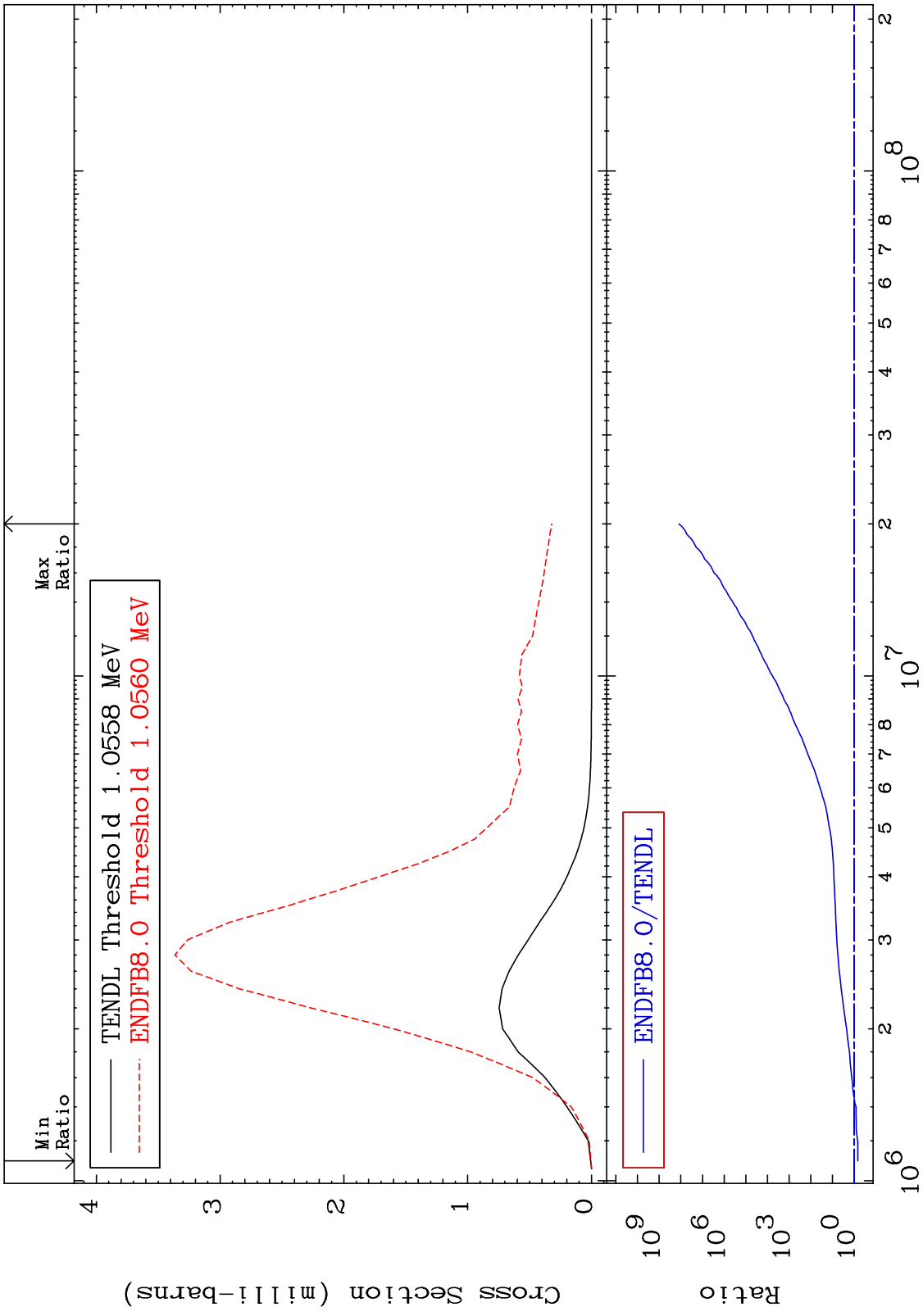


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Incident Energy (eV)

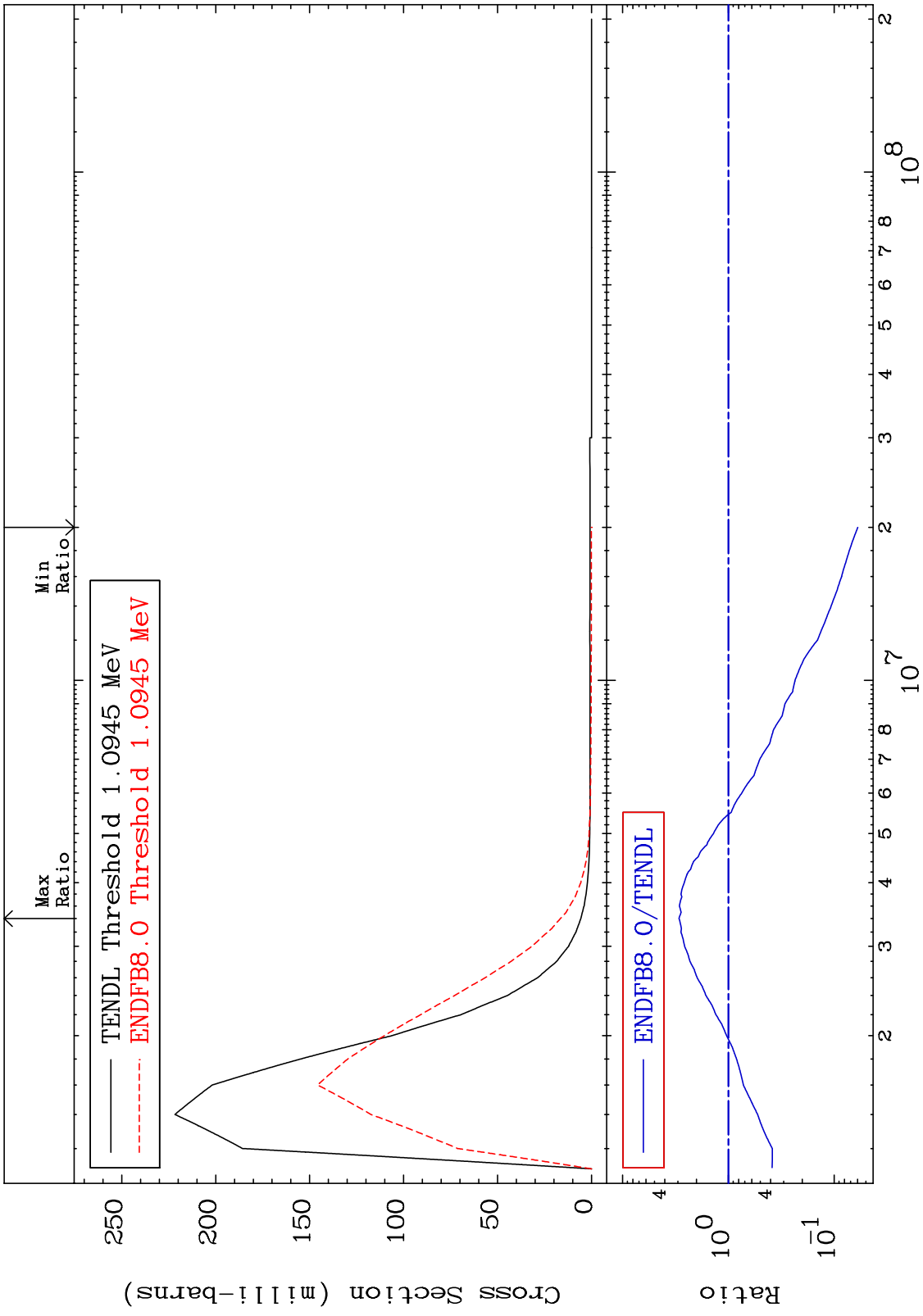
70-Yb-176

MAT 7049 MT= 55 (n,n') Level Cross Section 70-Yb-176
-32.38 To 9999. %

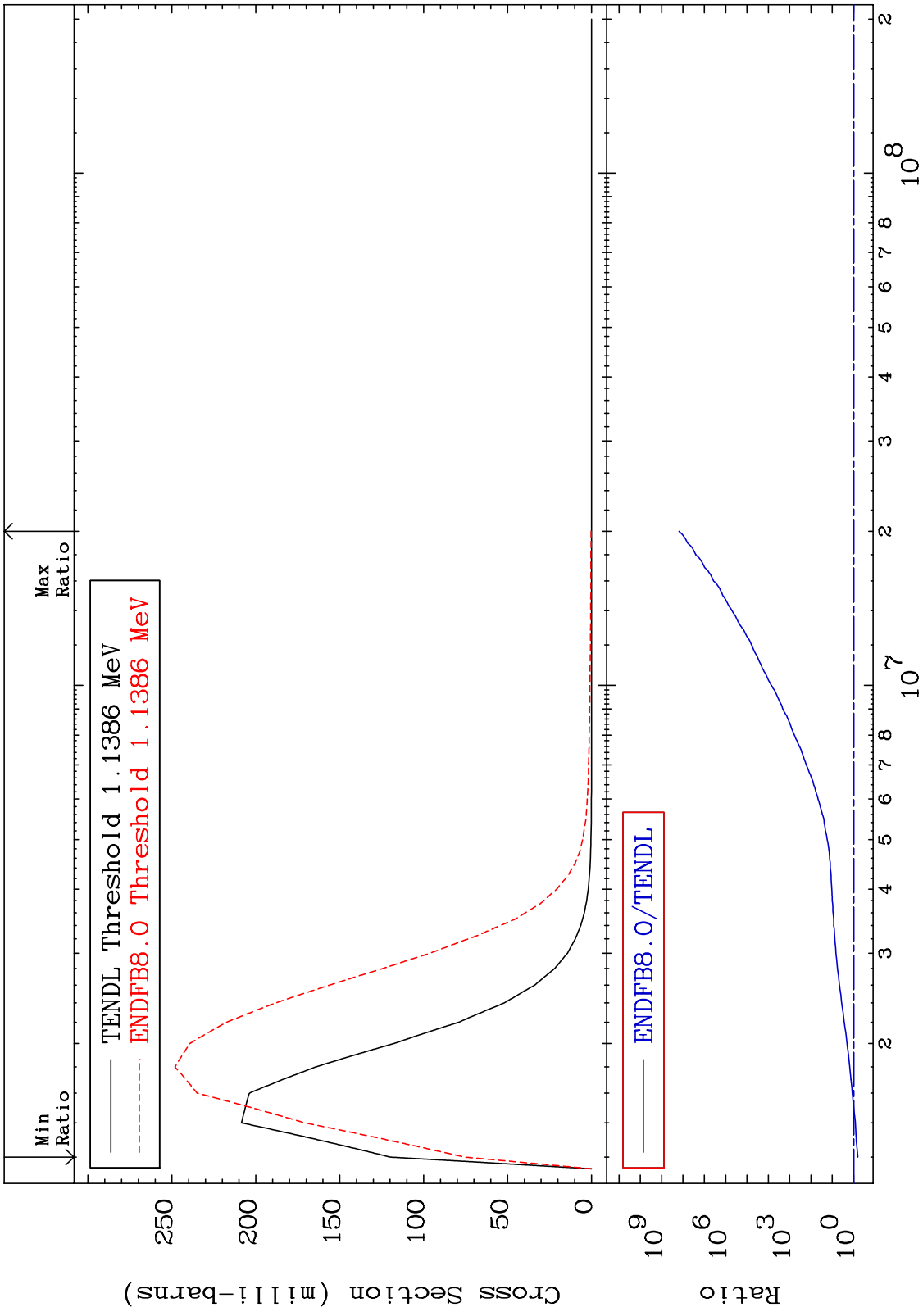


13 Incident Energy (eV) 70-Yb-176

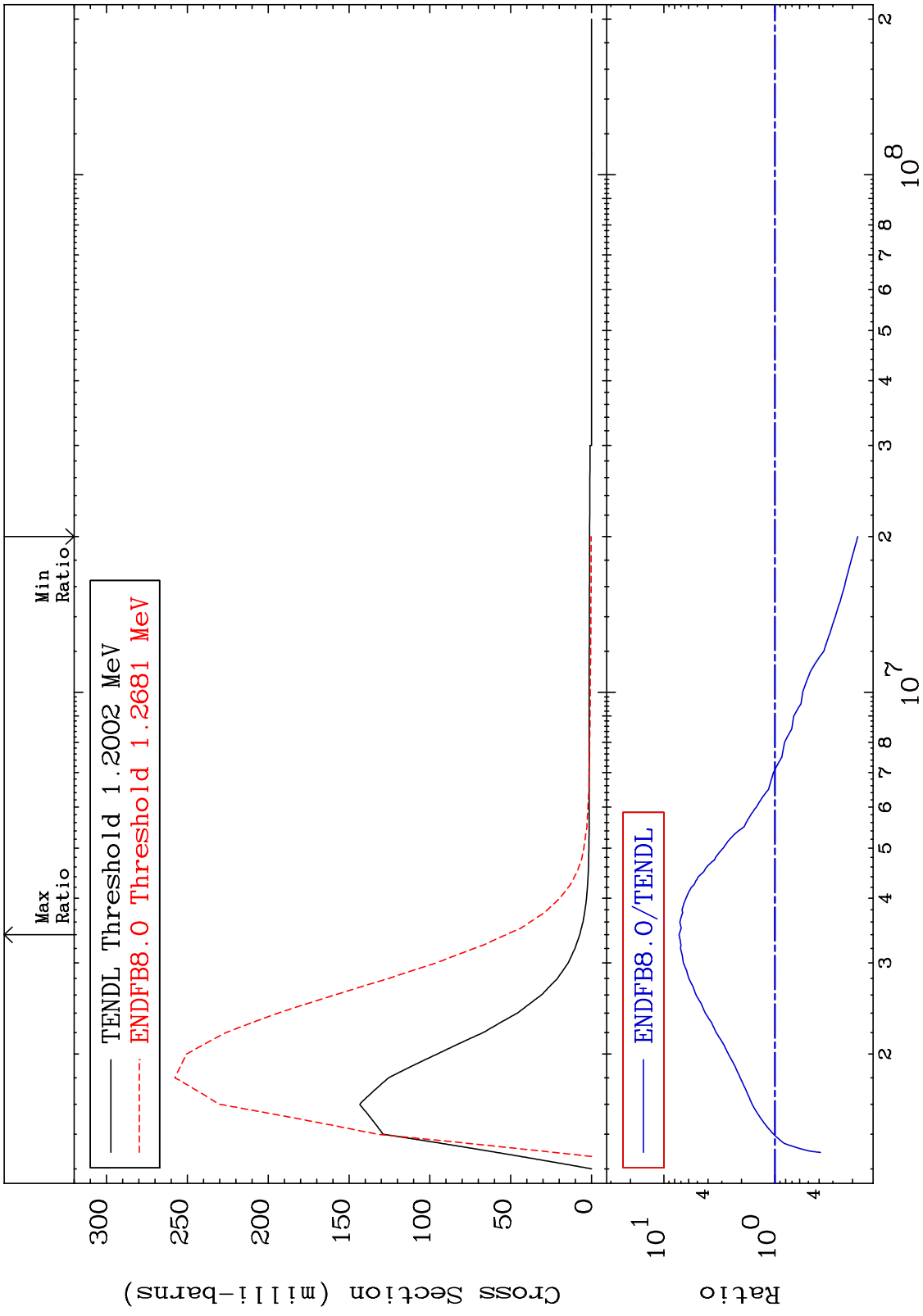
MAT 7049 MT= 56 (n,n') Level Cross Section 70-Yb-176
 -94.03 To 192.7 %



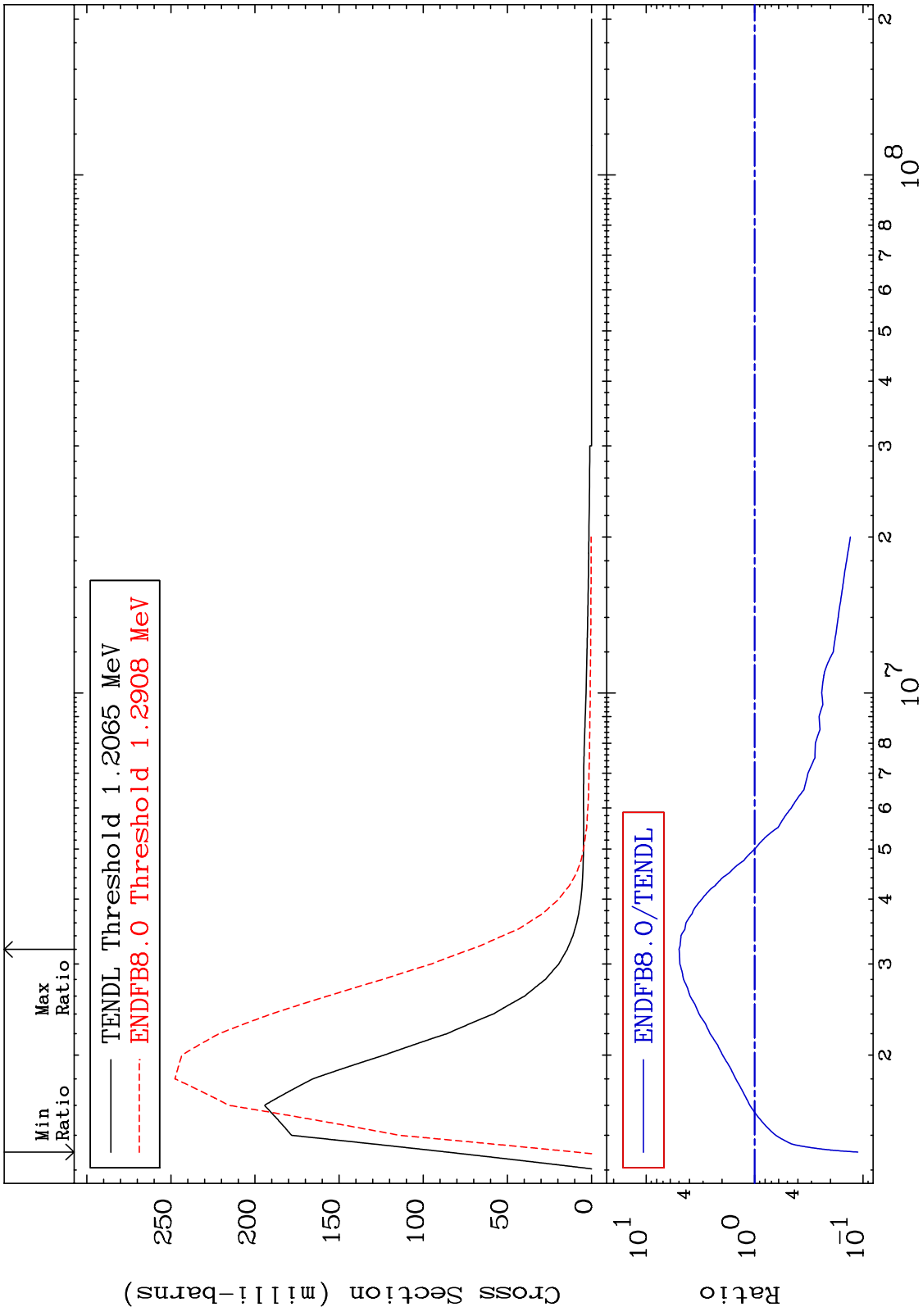
MAT 7049 MT= 57 (n,n') Level Cross Section 70-Yb-176
 -36.88 To 9999. %



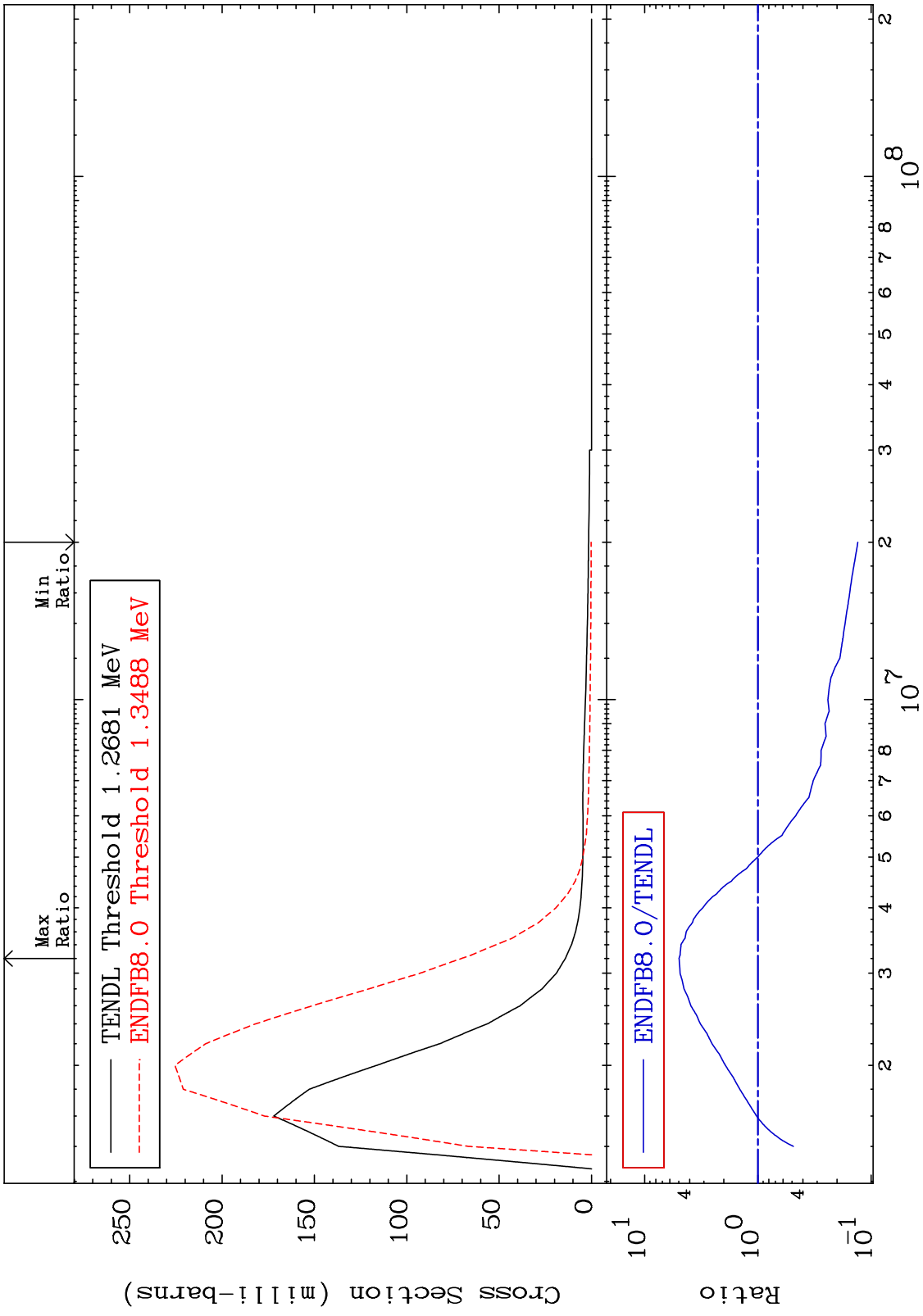
MAT 7049 MT= 59 (n,n') Level Cross Section 70-Yb-176
 -82.09 To 629.8 %



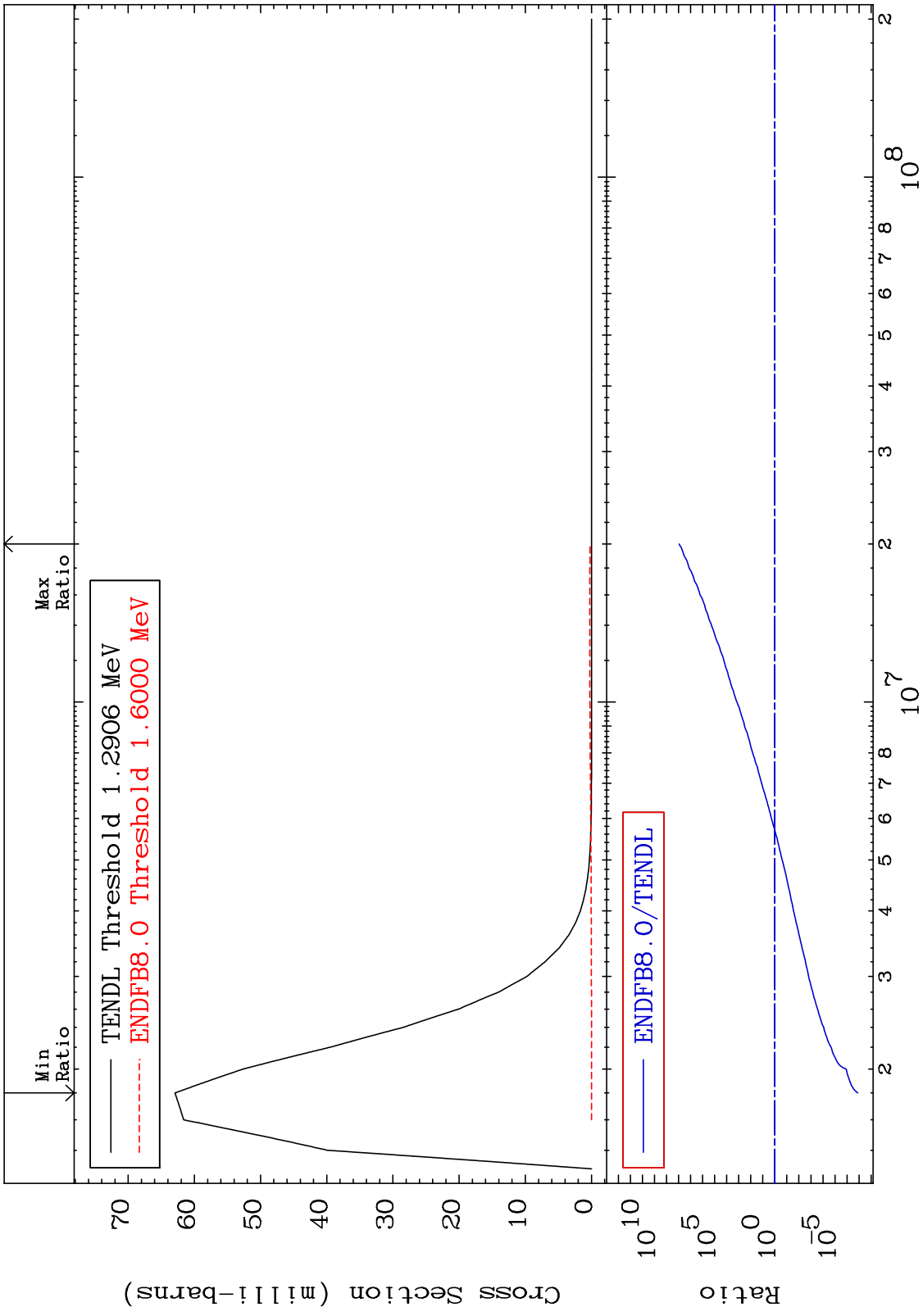
MAT 7049 MT= 60 (n,n') Level Cross Section 70-Yb-176 -88.82 To 398.5 %



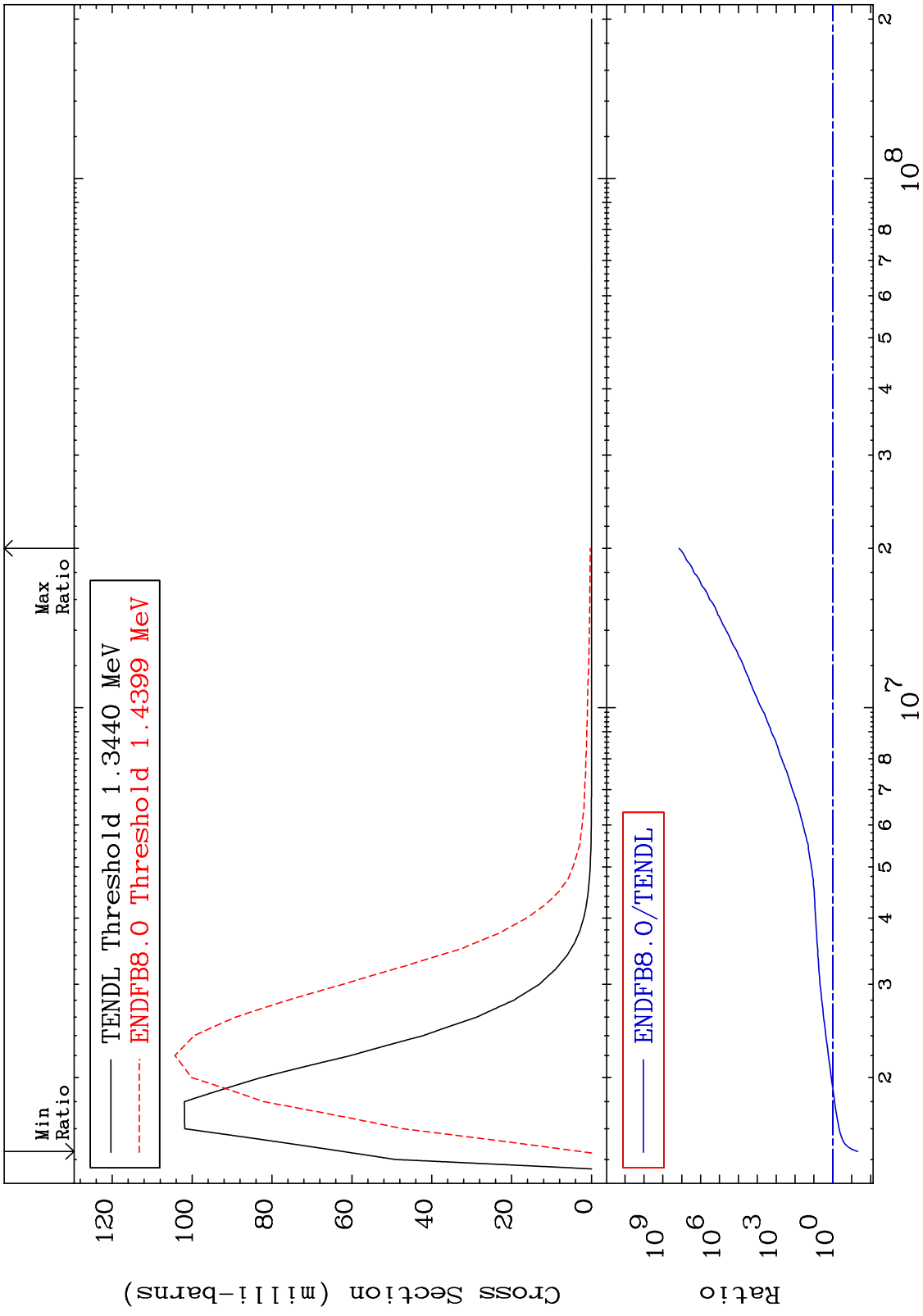
MAT 7049 MT= 61 (n,n') Level Cross Section 70-Yb-176
 -86.89 To 397.6 %



MAT 7049 MT= 62 (n,n') Level Cross Section 70-Yb-176
 -100.0 To 9999. %



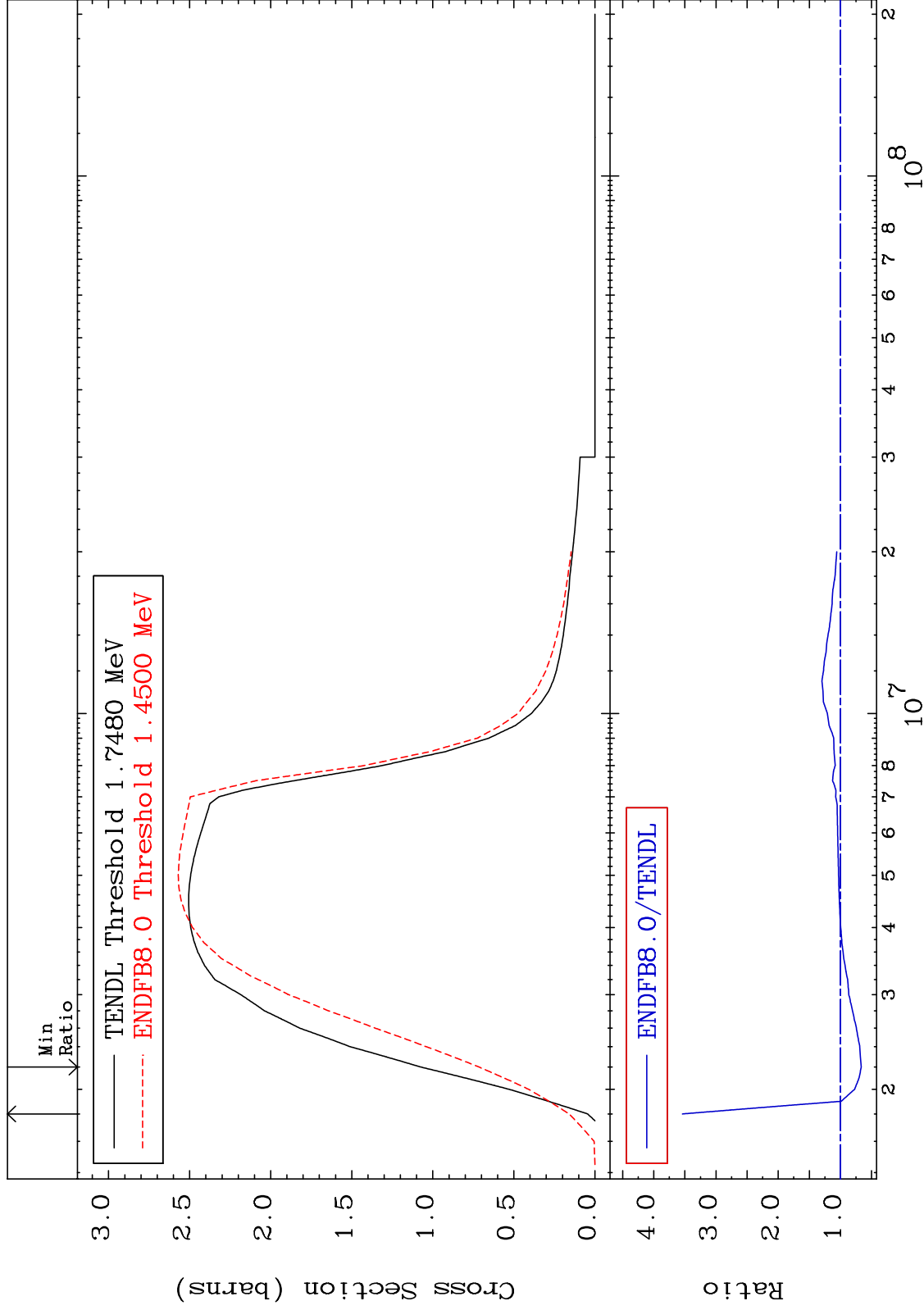
MAT 7049 MT= 63 (n,n') Level Cross Section 70-Yb-176 -95.25 To 9999. %



MAT 7049

(n, n') Continuum
Cross Section

⁷⁰Yb-176
-33.48 To 253.9 %



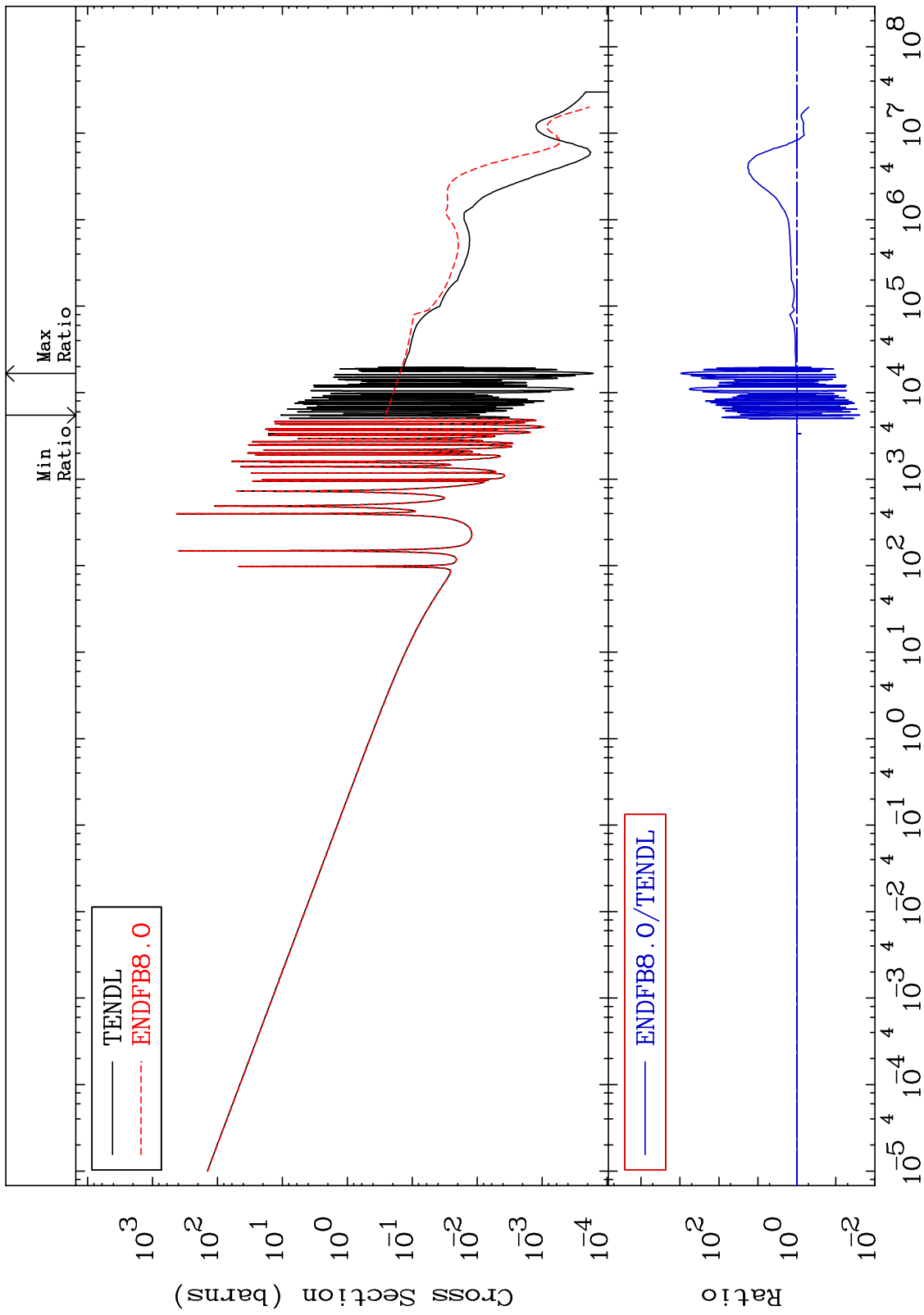
MAT 7049

(n, γ)

70-Yb-176

Cross Section

-97.57 To 9999. %

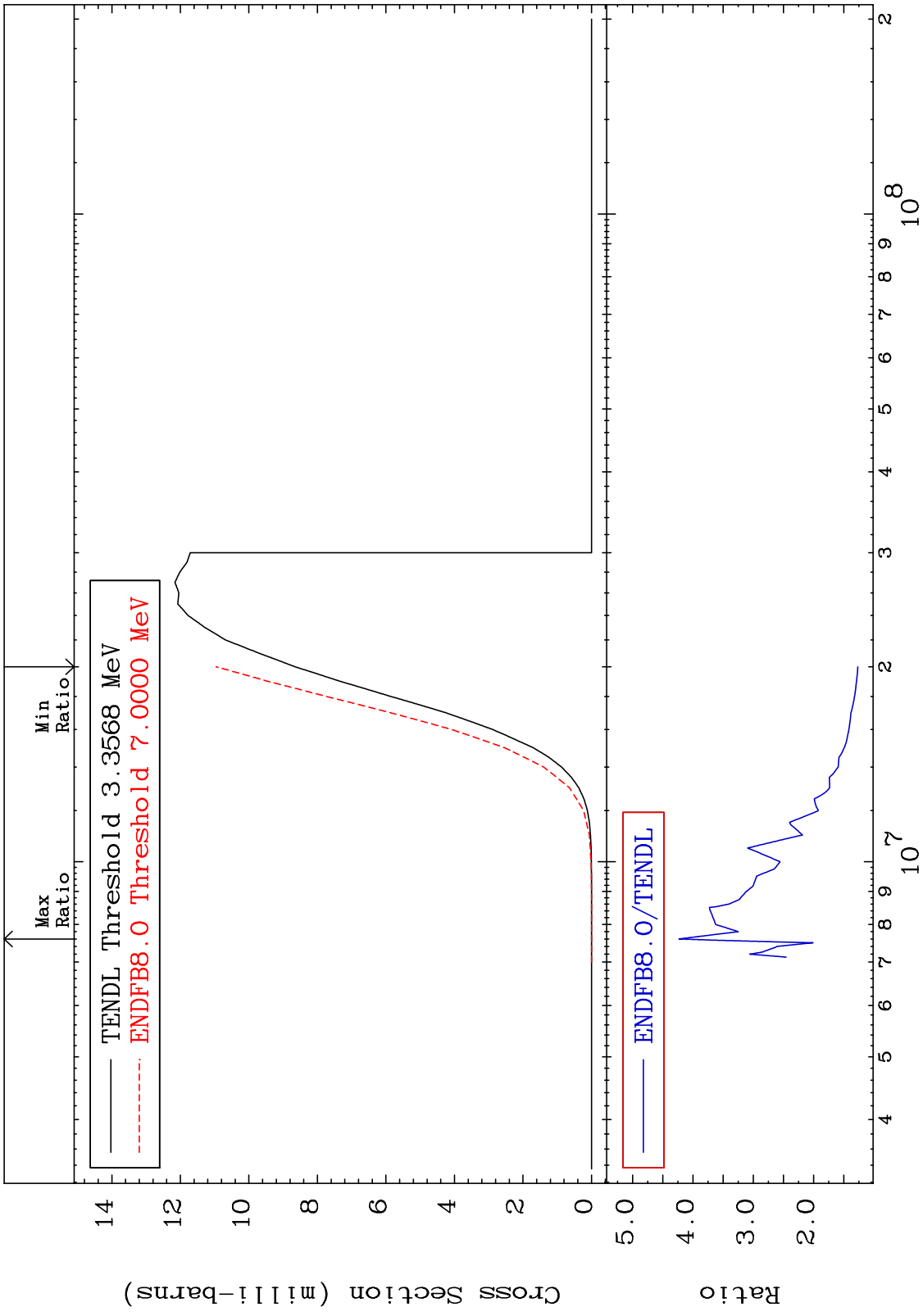


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Incident Energy (eV)

70-Yb-176

MAT 7049 (n,p) Cross Section 70-Yb-176 26.60 To 323.1 %



24 70-Yb-176 Incident Energy (eV)

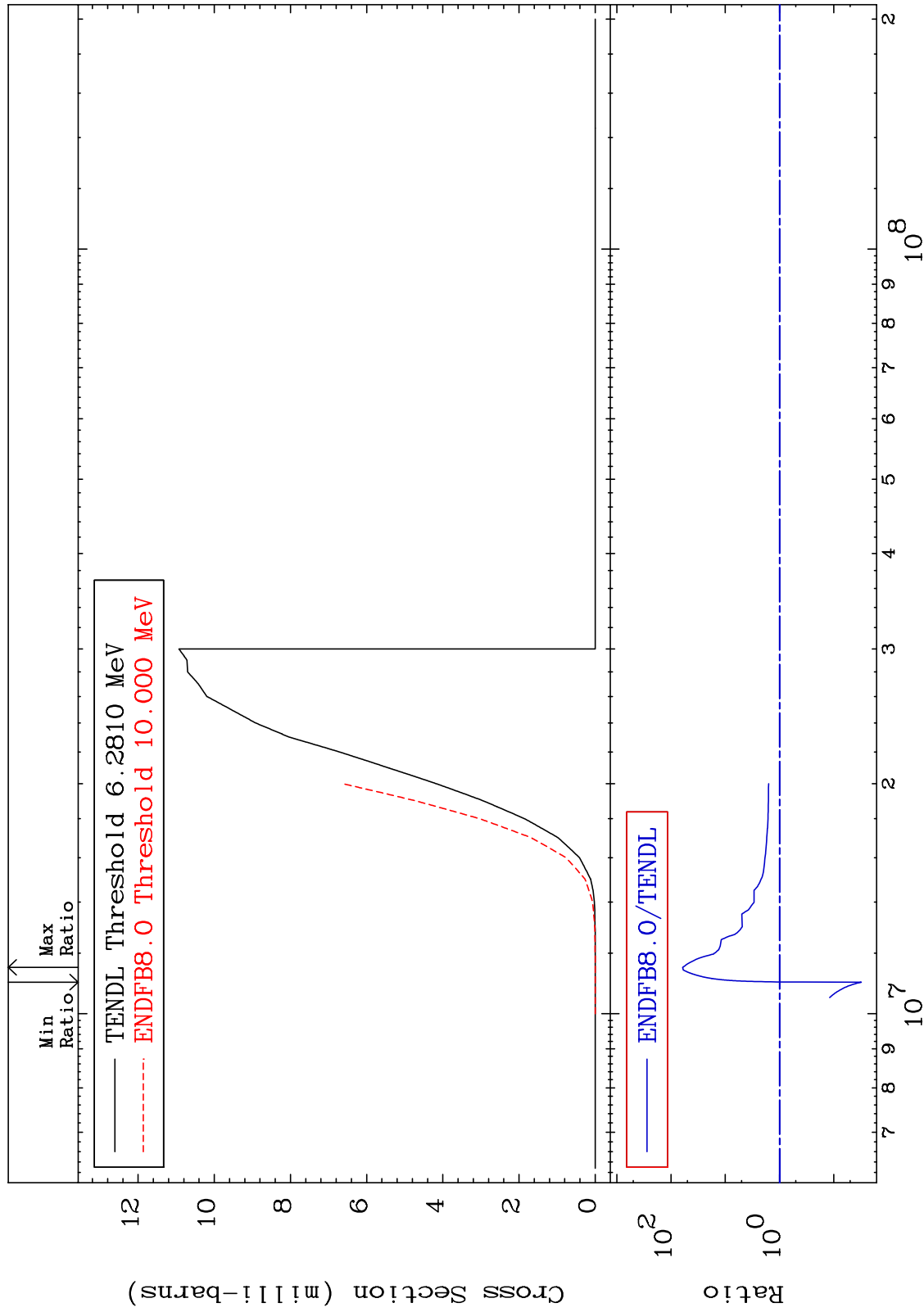
MAT 7049

(n,d)

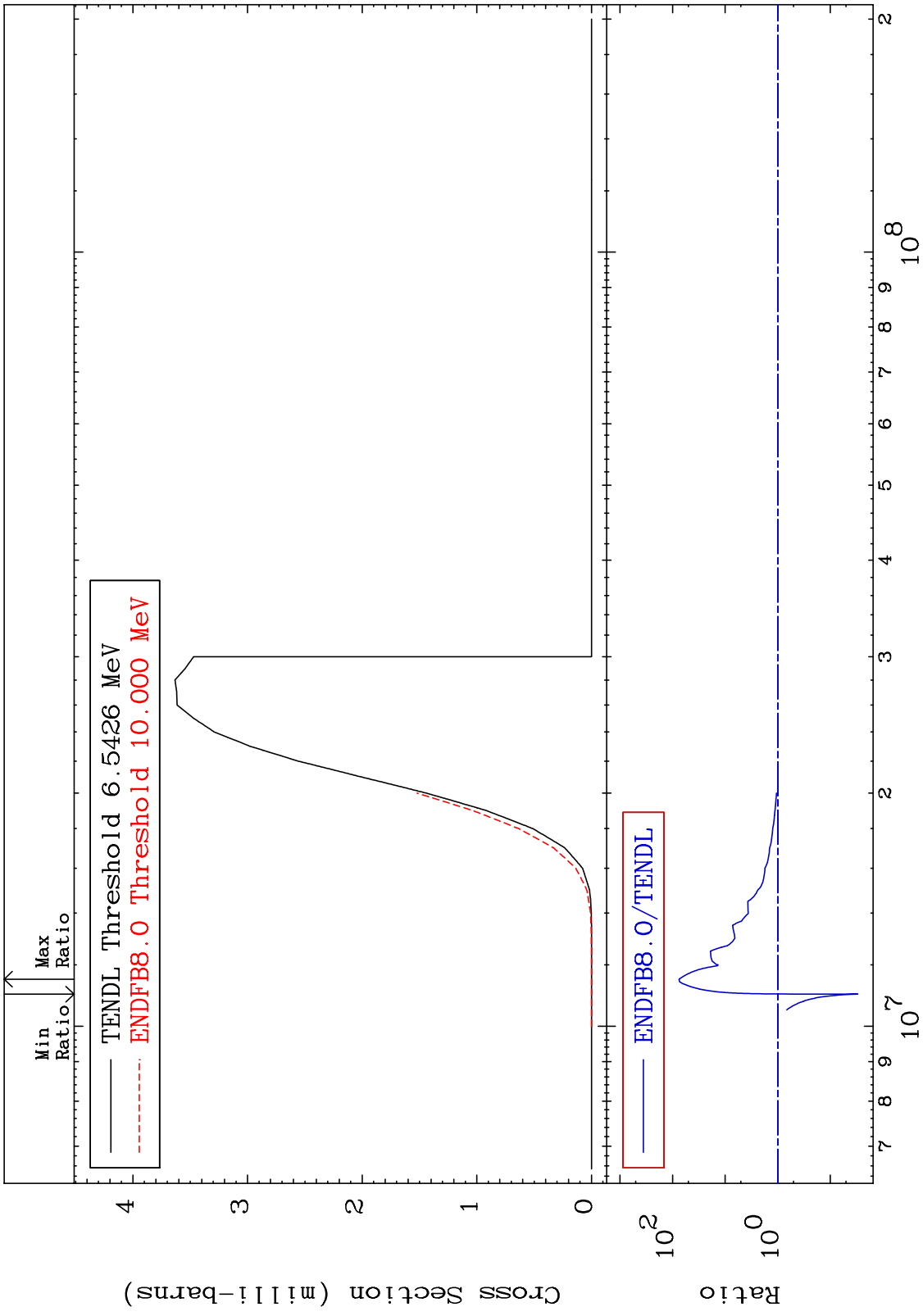
⁷⁰Yb-176

Cross Section

-96.90 To 6003. %



MAT 7049 (n,t) Cross Section 70-Yb-176 -97.01 To 7423. %



26 70-Yb-176

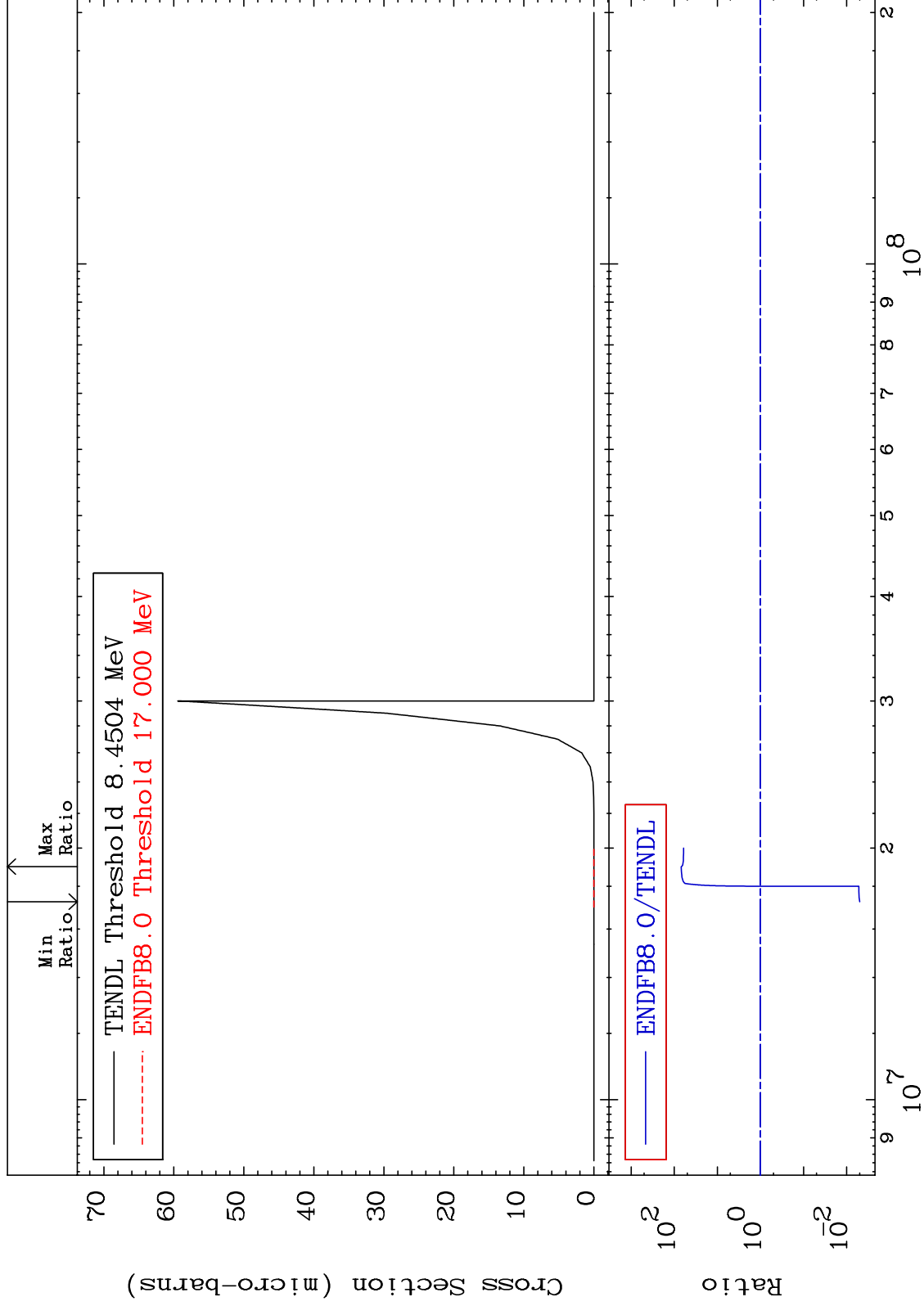
MAT 7049

(n, He-3)

70-Yb-176

Cross Section

-99.50 To 6773. %



27

Incident Energy (eV)

70-Yb-176

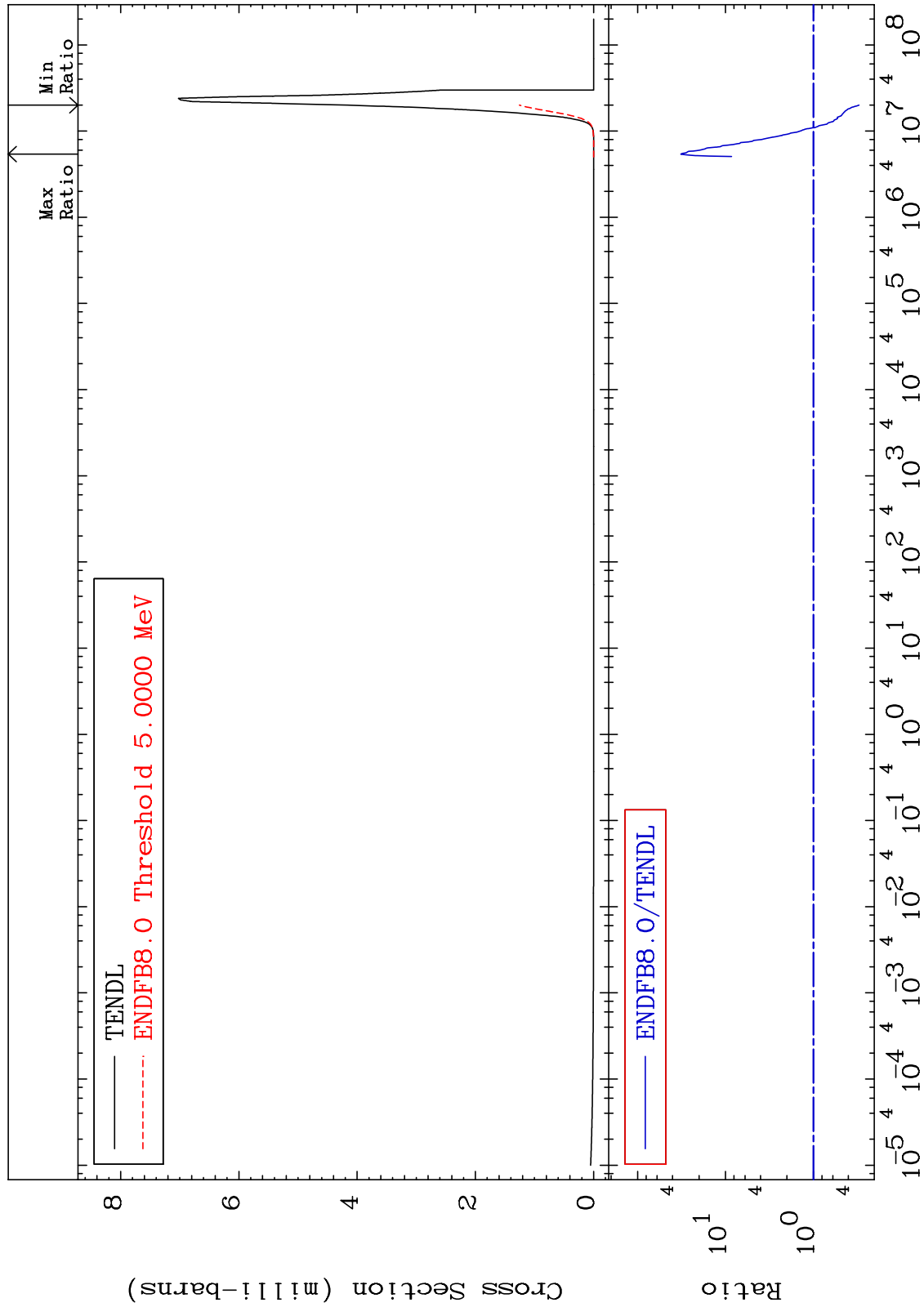
MAT 7049

(n,α)

70-Yb-176

Cross Section

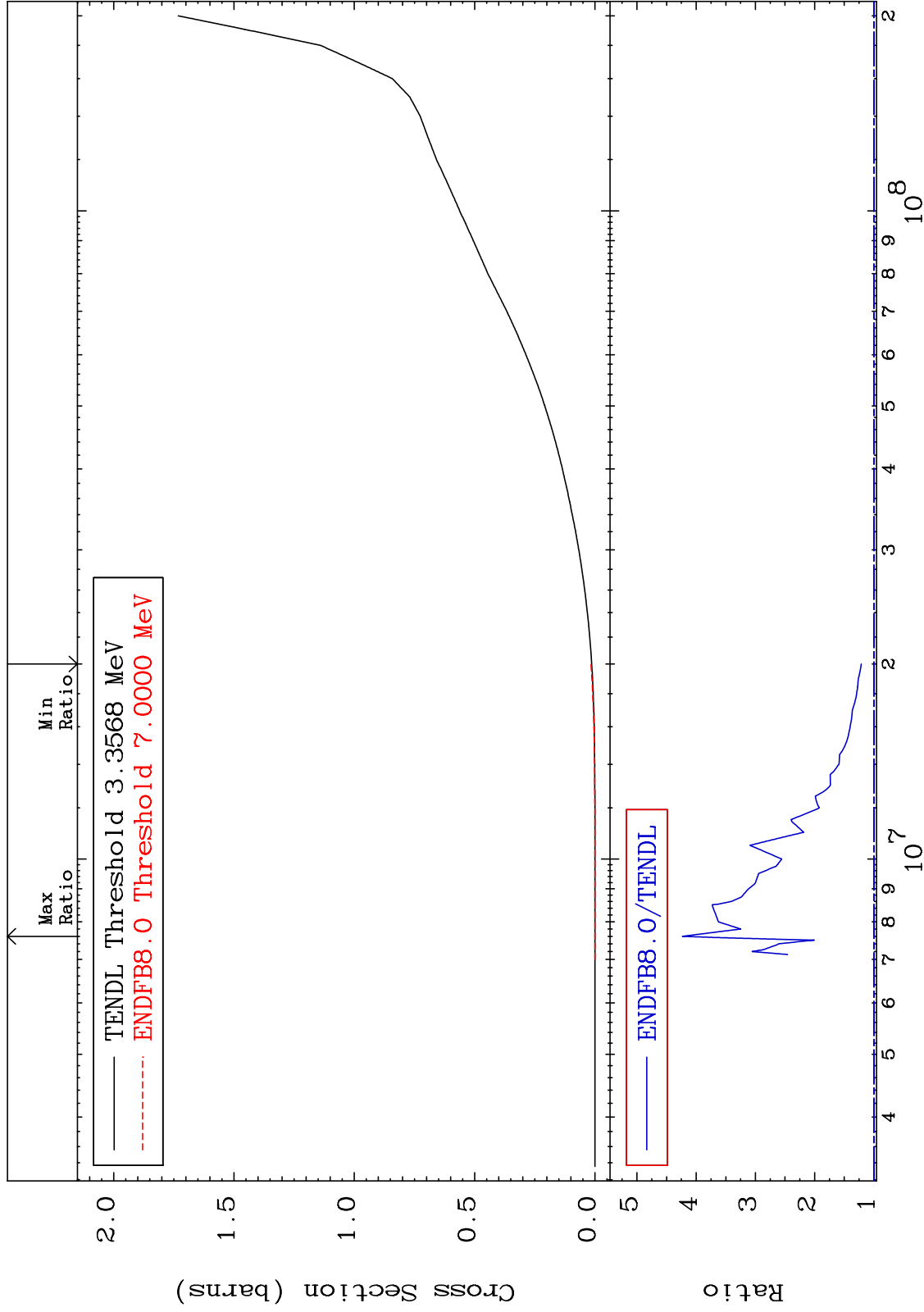
-69.79 To 3117. %



MAT 7049

Hydrogen Production
Cross Section

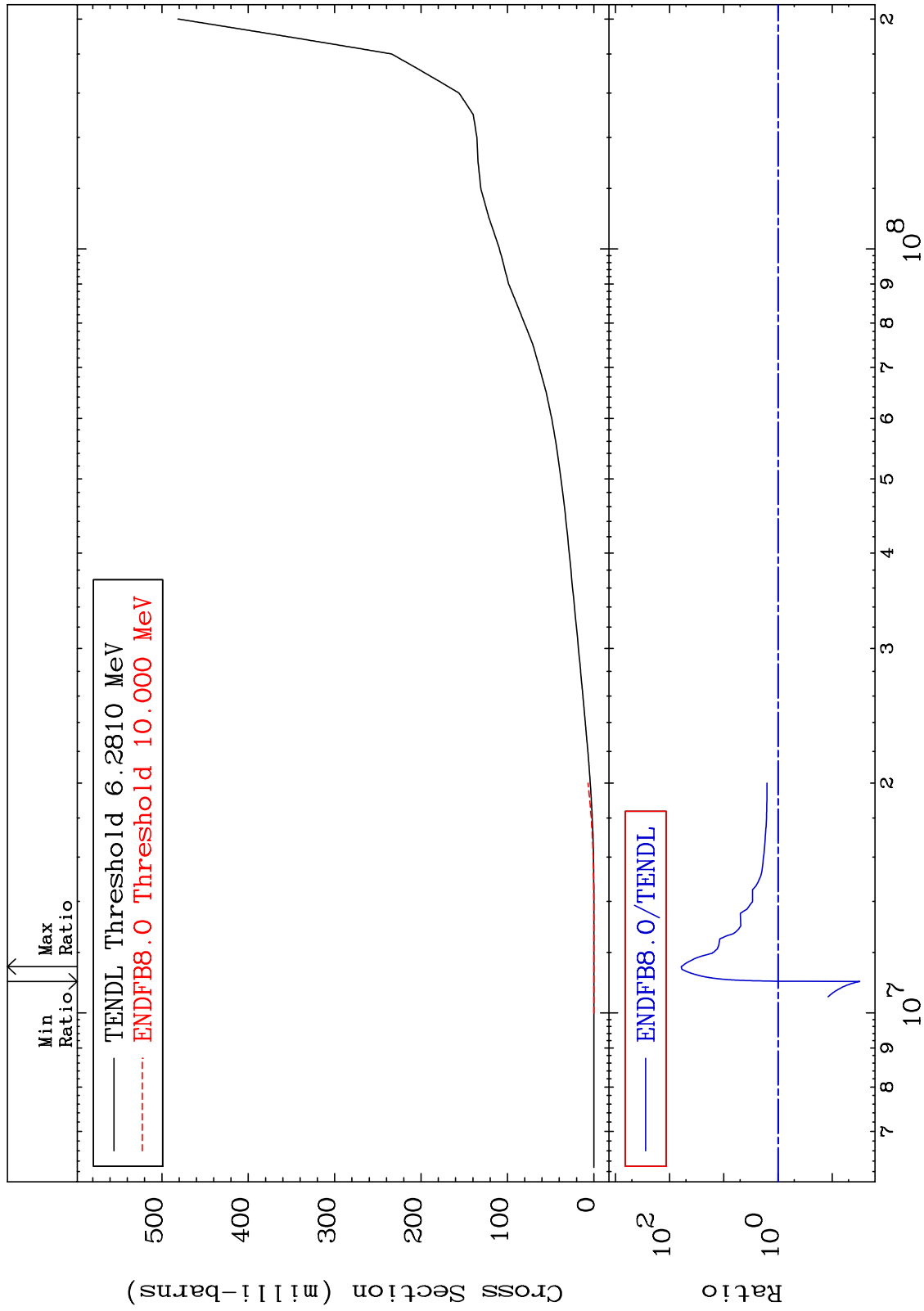
70-Yb-176
21.30 To 323.1 %



MAT 7049

Deuterium Production
Cross Section

70-Yb-176
-96.90 To 6003. %



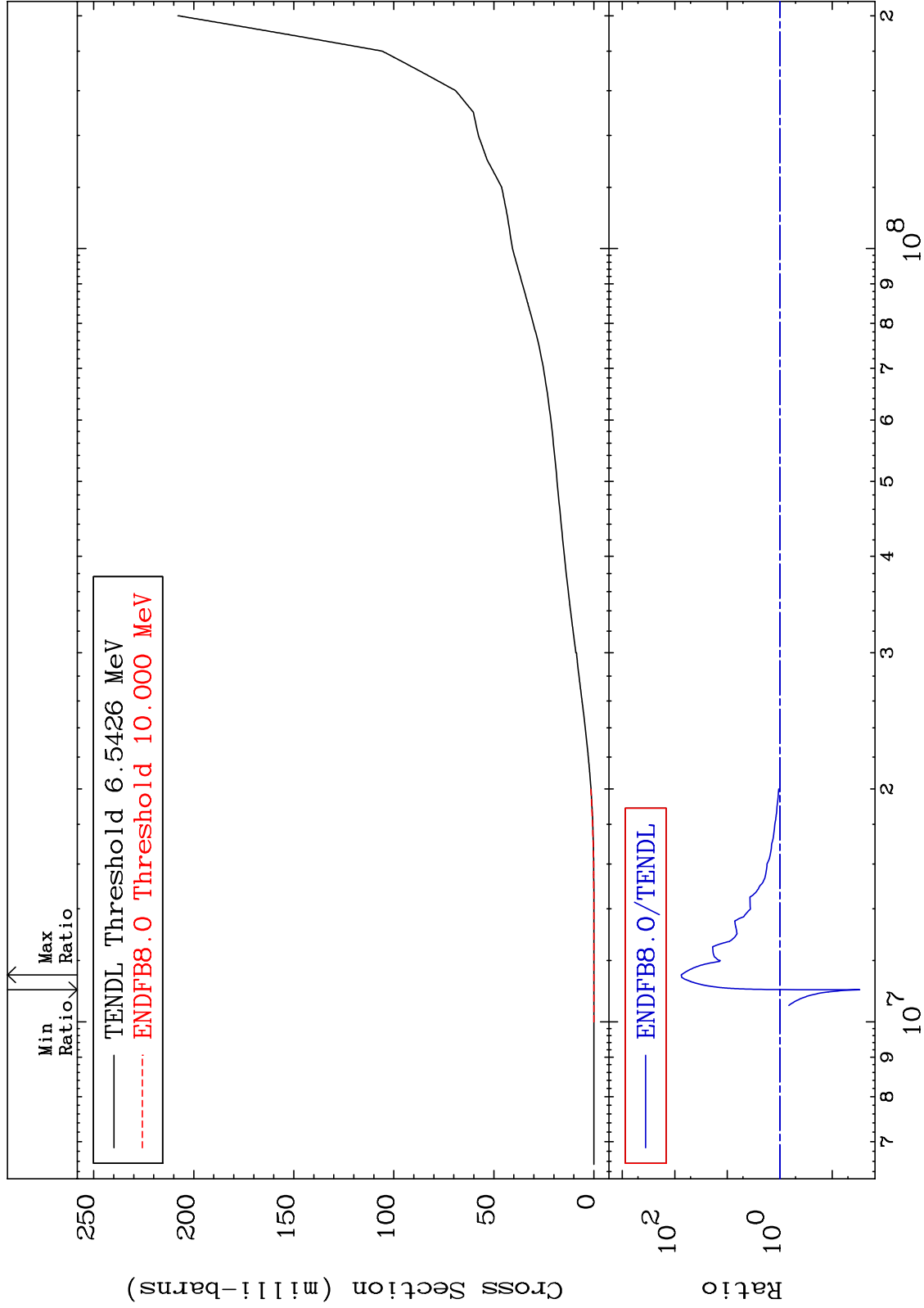
30

70-Yb-176

MAT 7049

Tritium Production
Cross Section

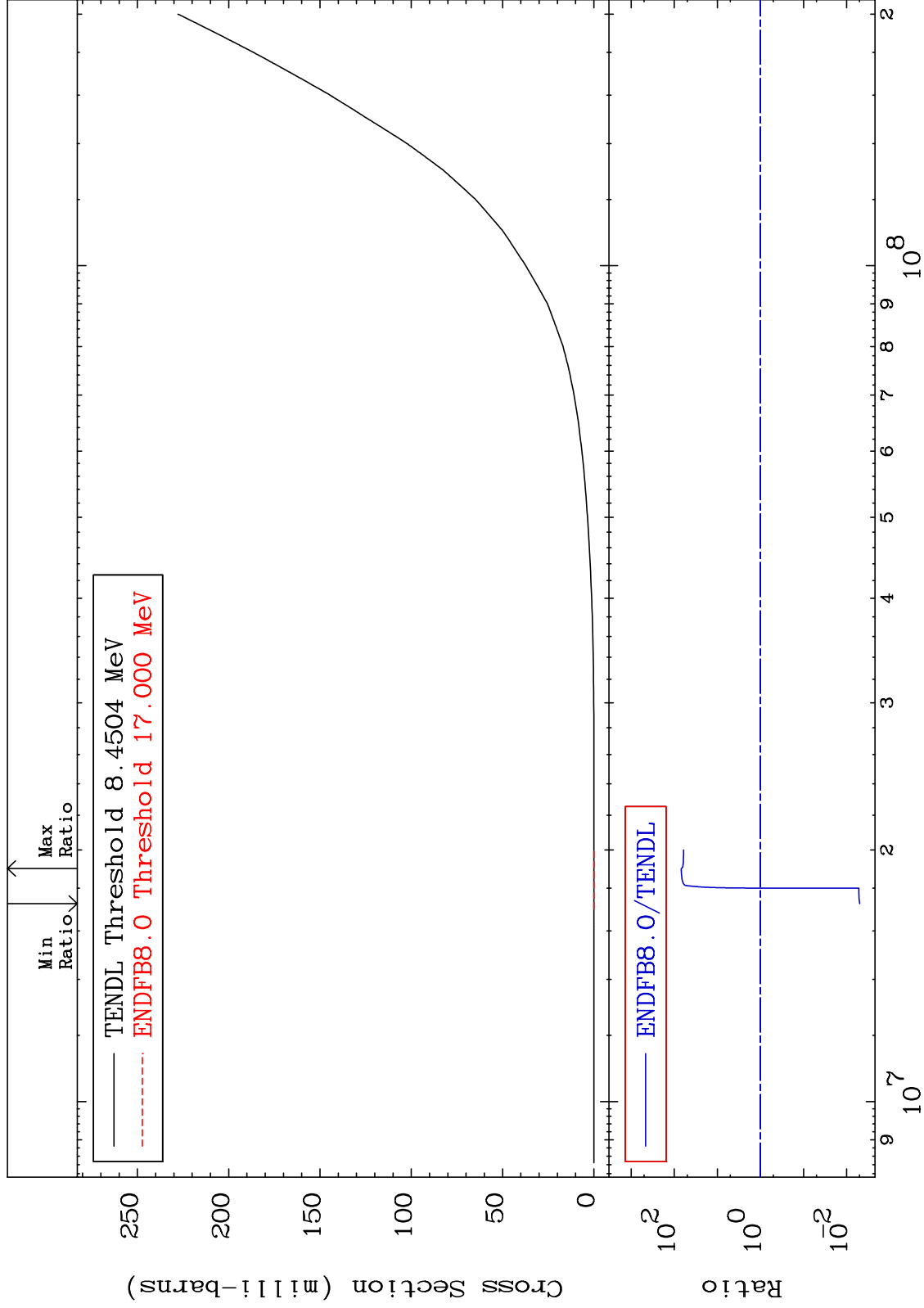
⁷⁰-Yb-176
-97.01 To 7423. %



MAT 7049

He-3 Production
Cross Section

70-Yb-176
-99.50 To 6773. %



32

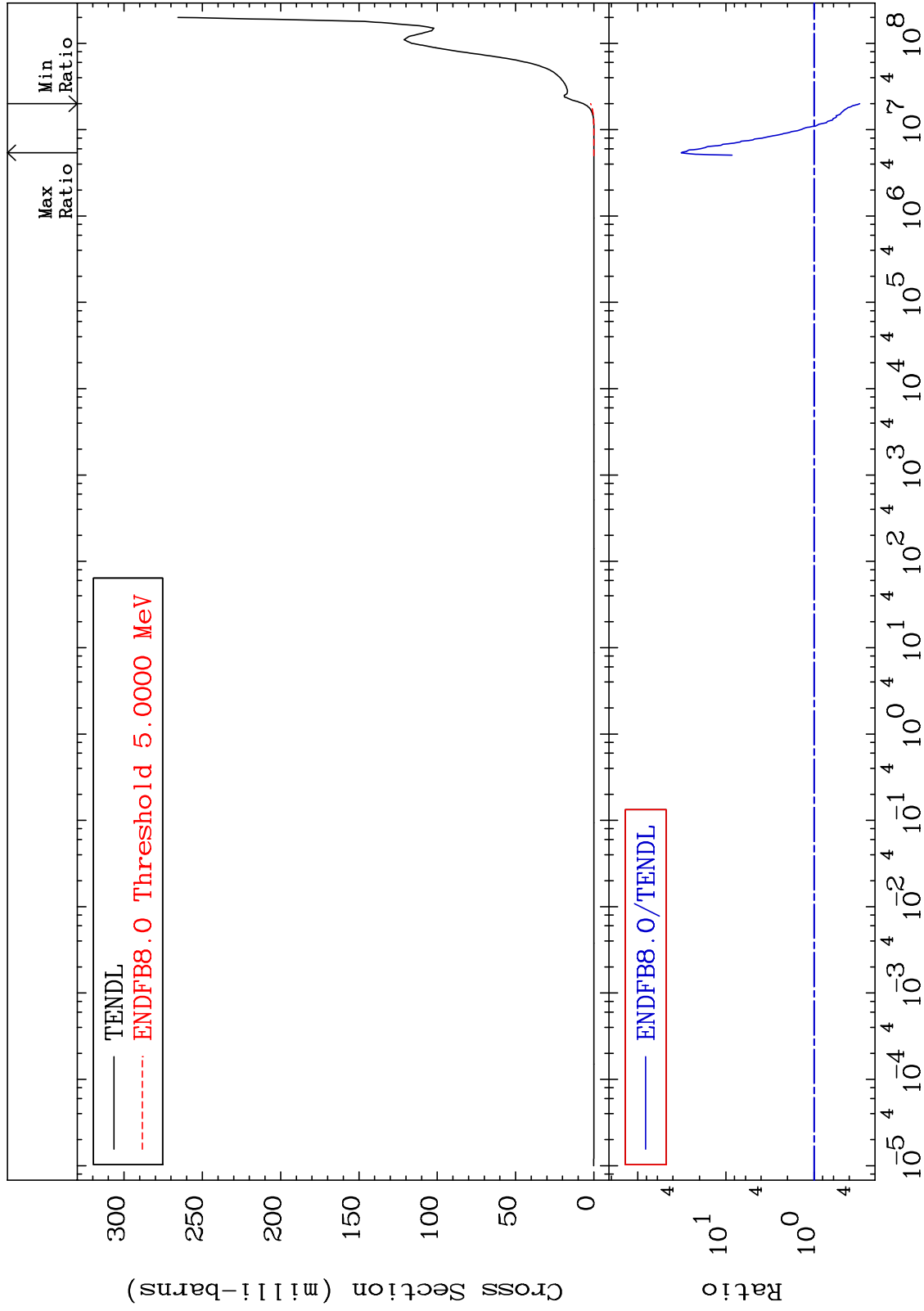
Incident Energy (eV)

70-Yb-176

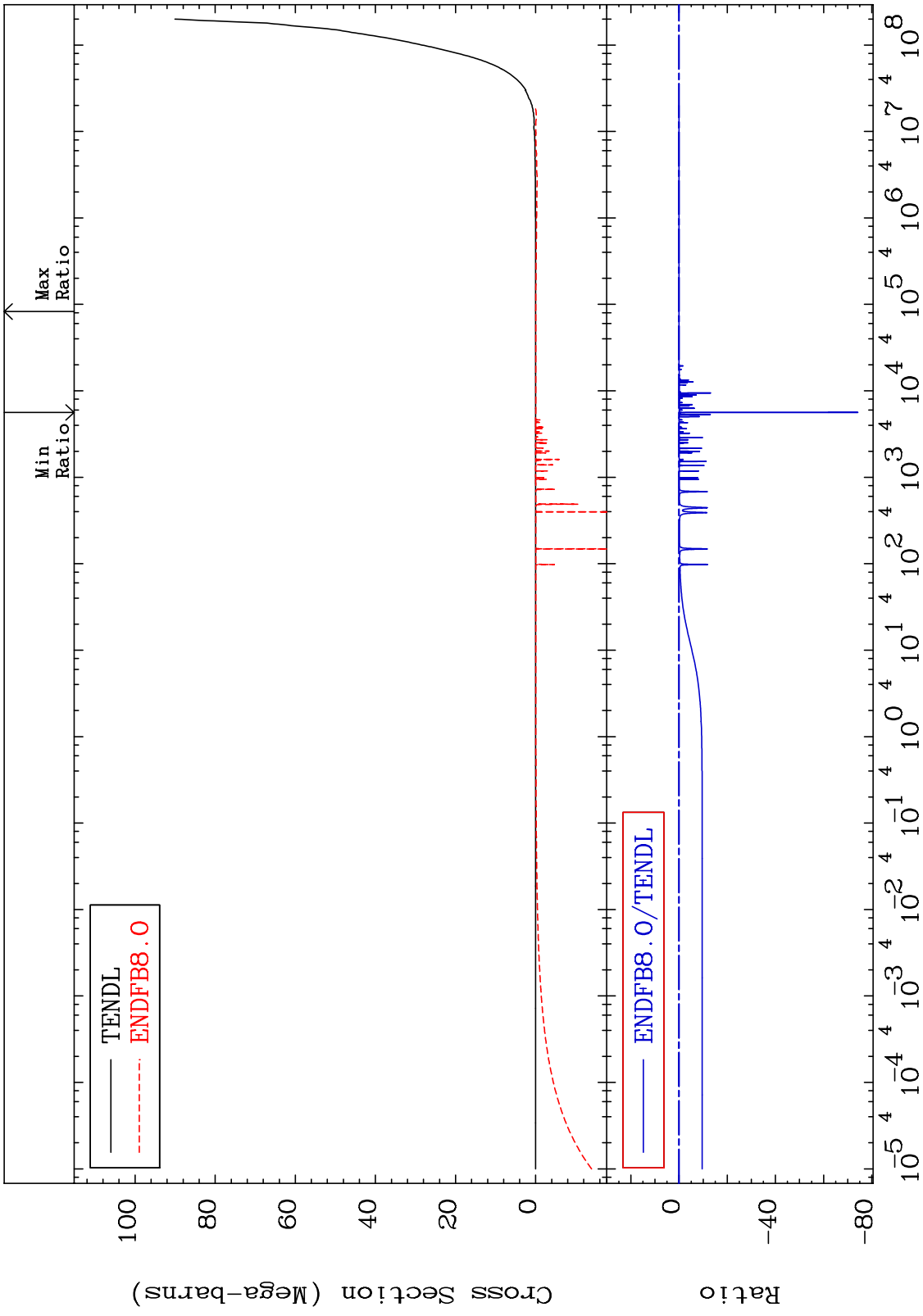
MAT 7049

He-4 Production
Cross Section

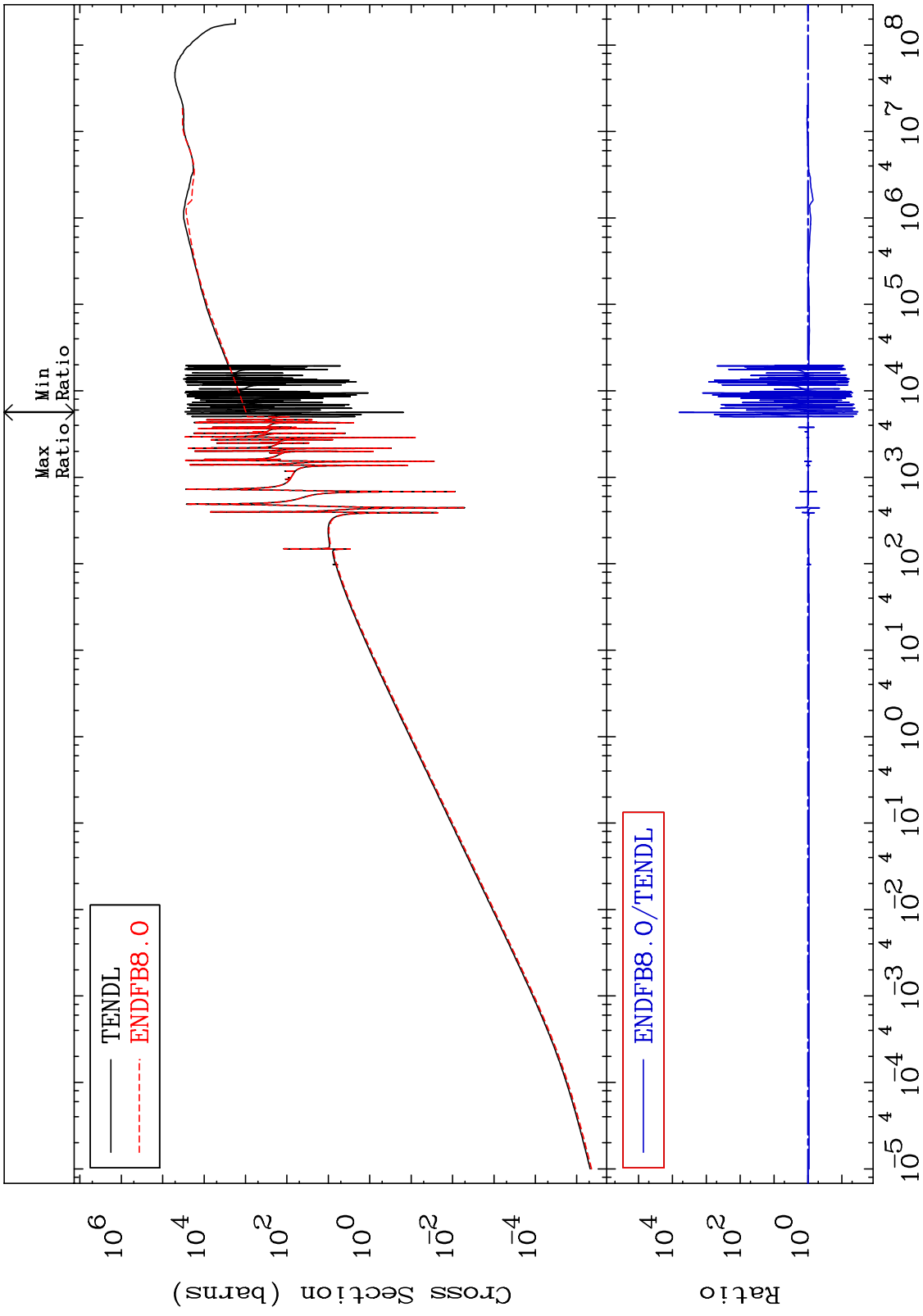
70-Yb-176
-69.70 To 3117. %



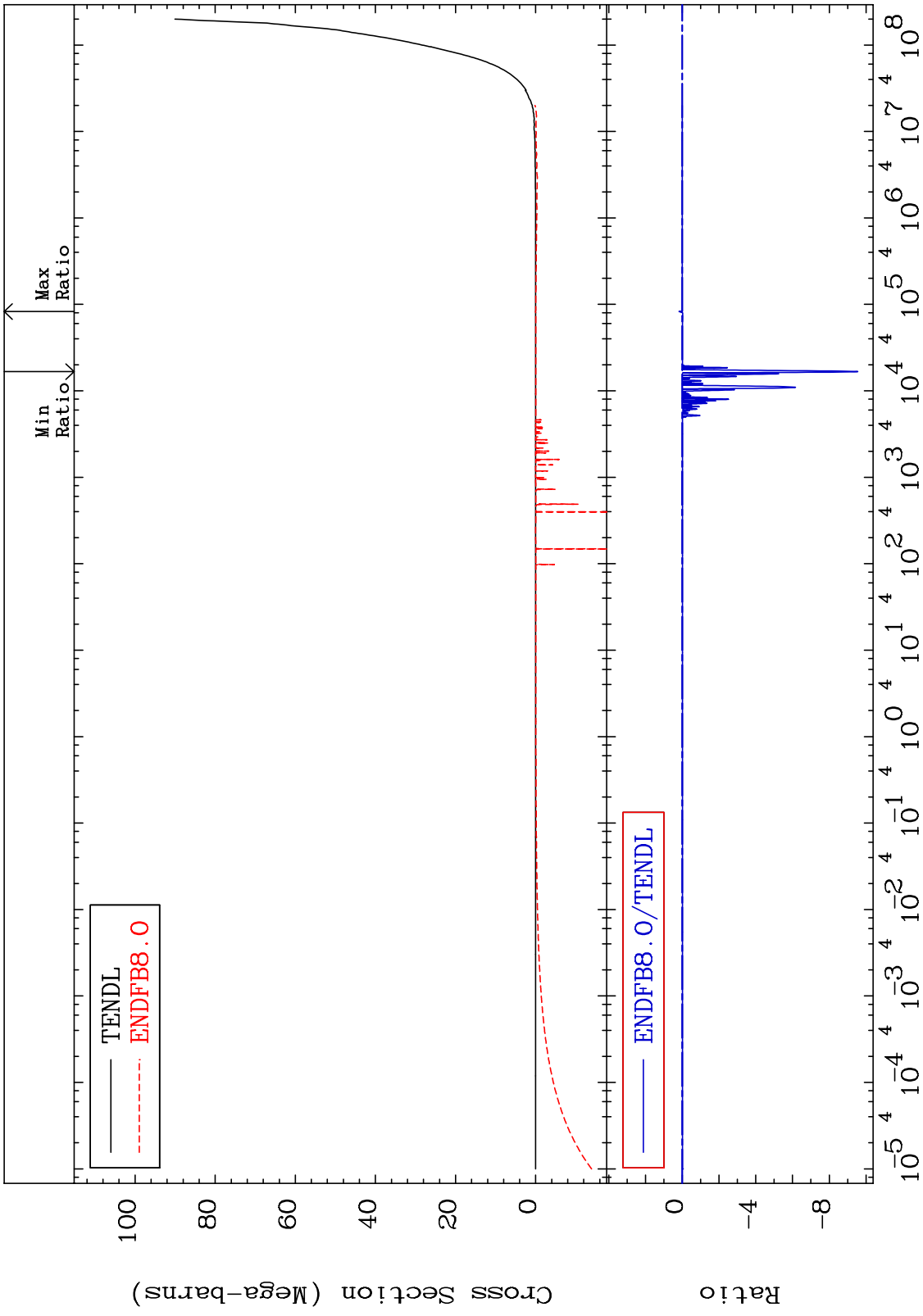
MAT 7049 Kerma total (eV-barns) Cross Section 70-Yb-176 -9999. To 1067. %



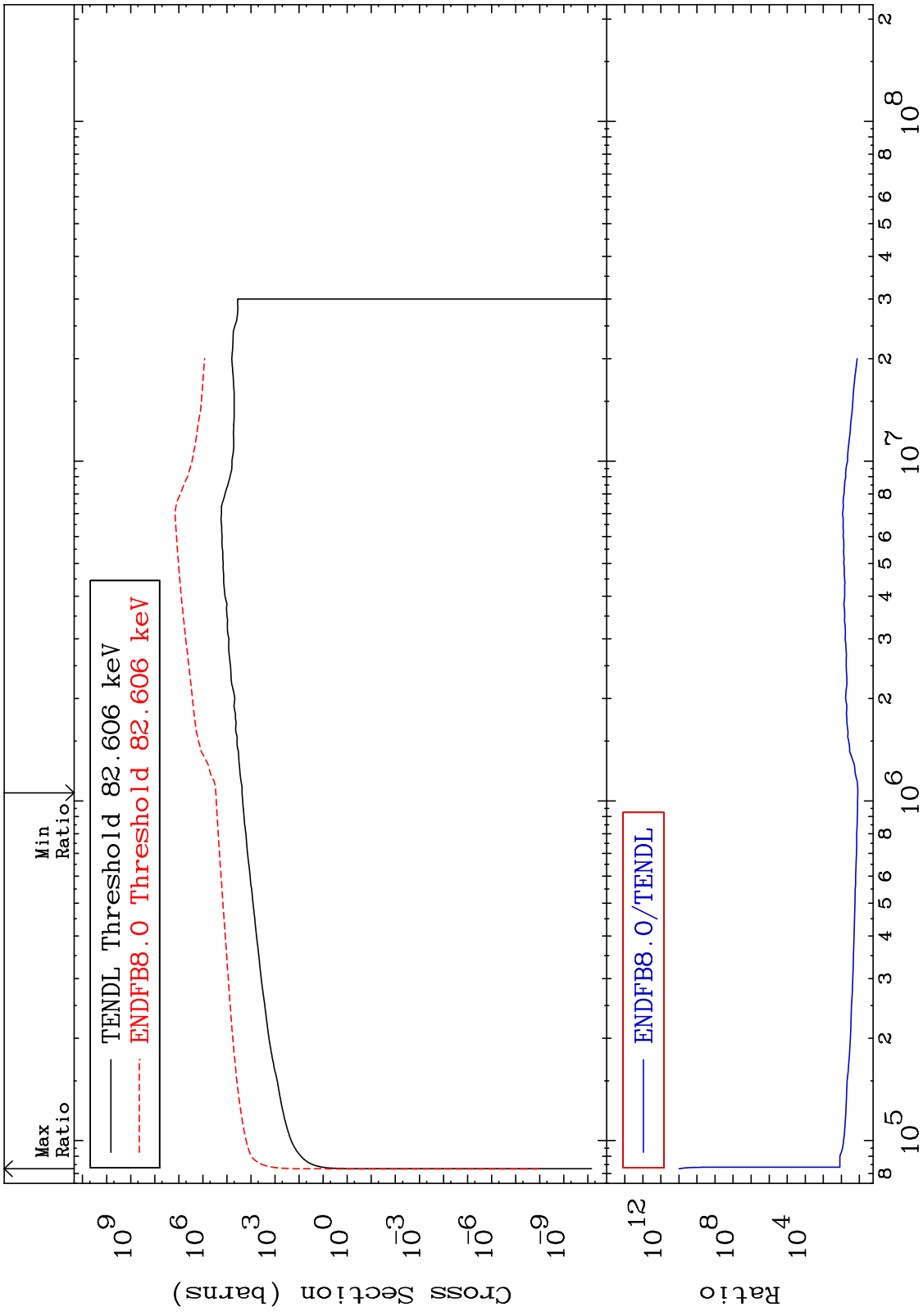
MAT 7049 Kerma elastic Cross Section 70-Yb-176
 -96.61 To 9999. %



MAT 7049 Kerma non-elastic (all but mt.2) Cross Section 70-Yb-176
 -9999. To 9999. %



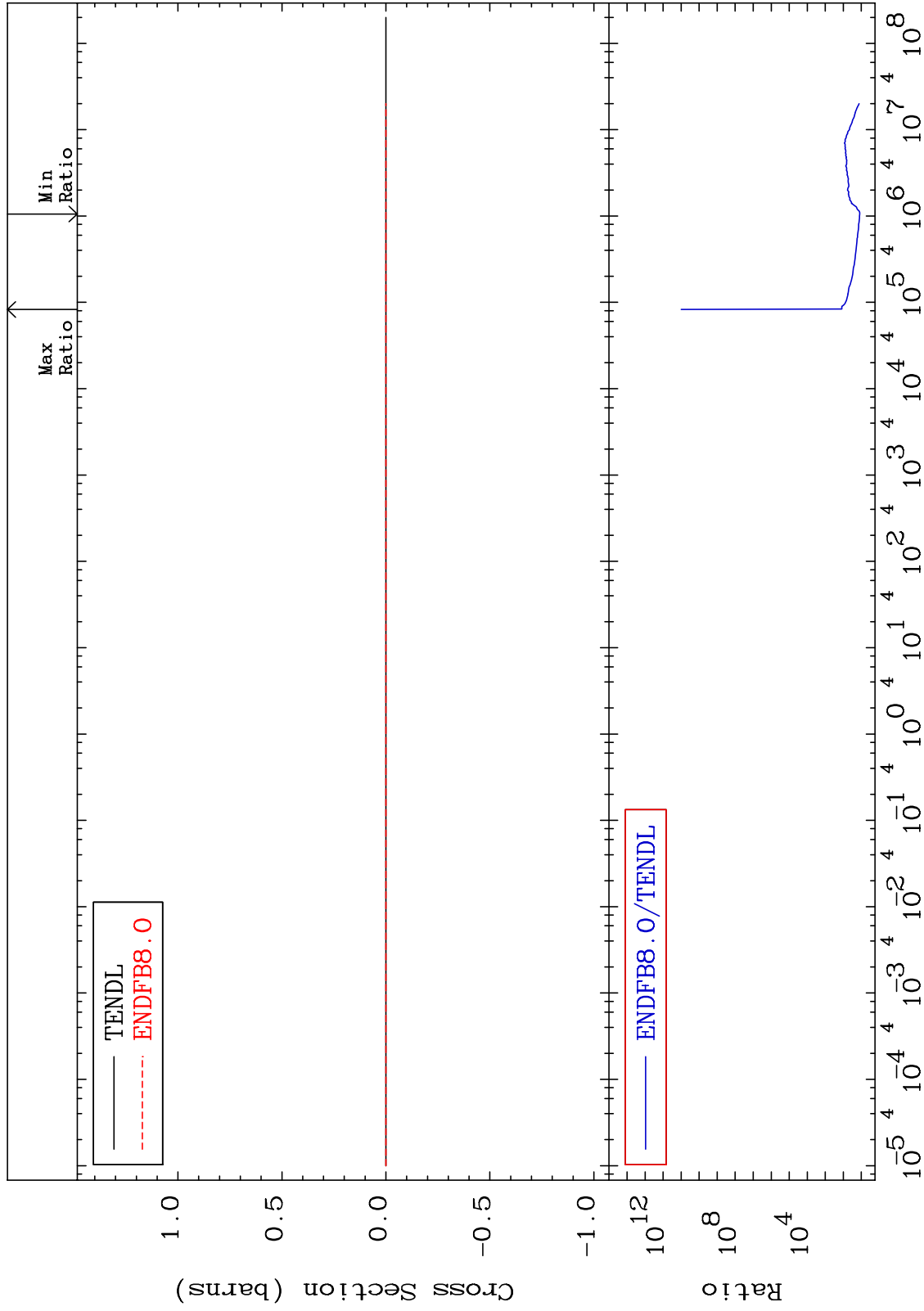
MAT 7049 Kerma inelastic (mt51-91) 70-Yb-176
 Cross Section 1124. To 9999. %



MAT 7049

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

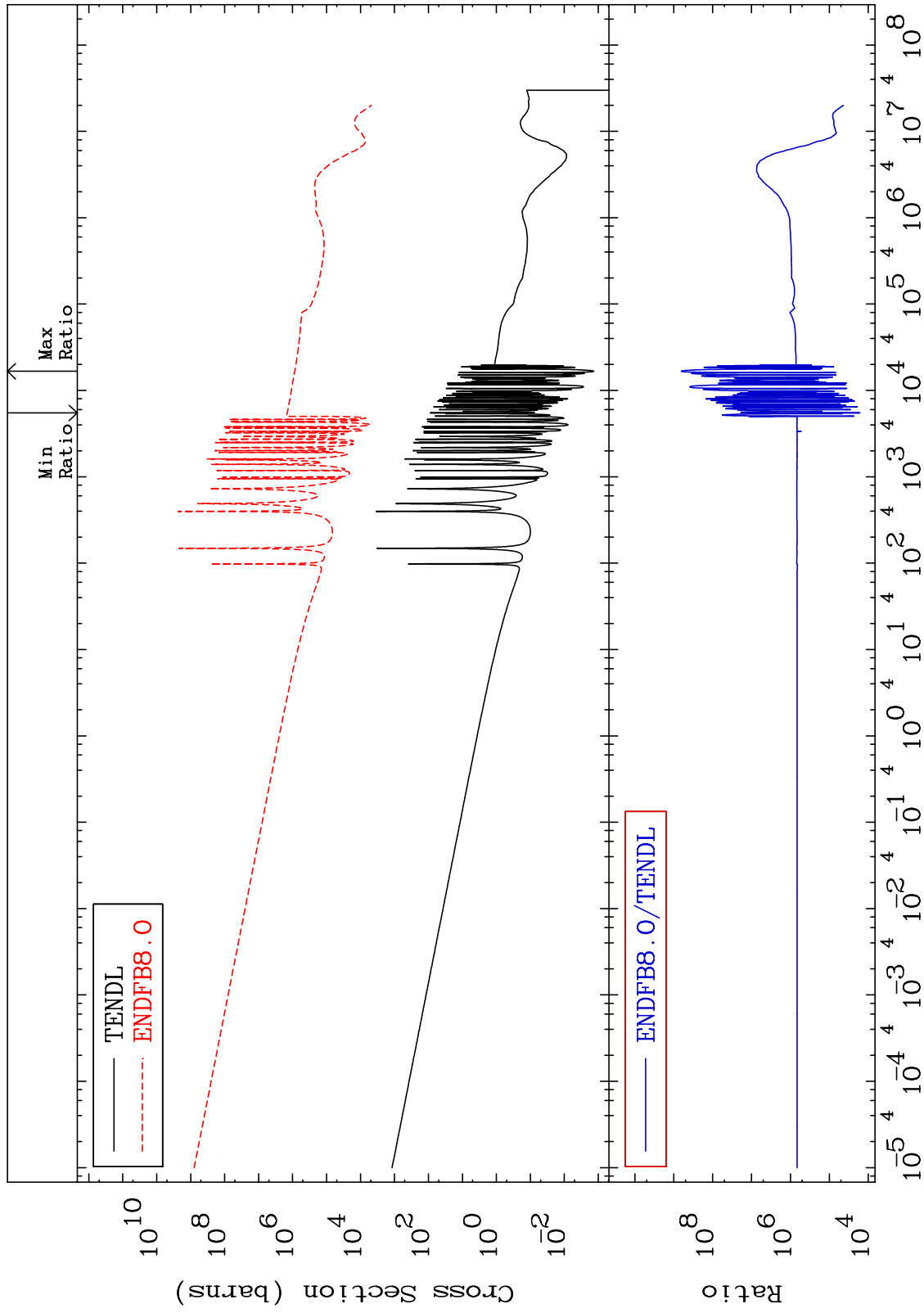
70-Yb-176
1124. To 9999. %



MAT 7049

Kerma capture (mt102)
Cross Section

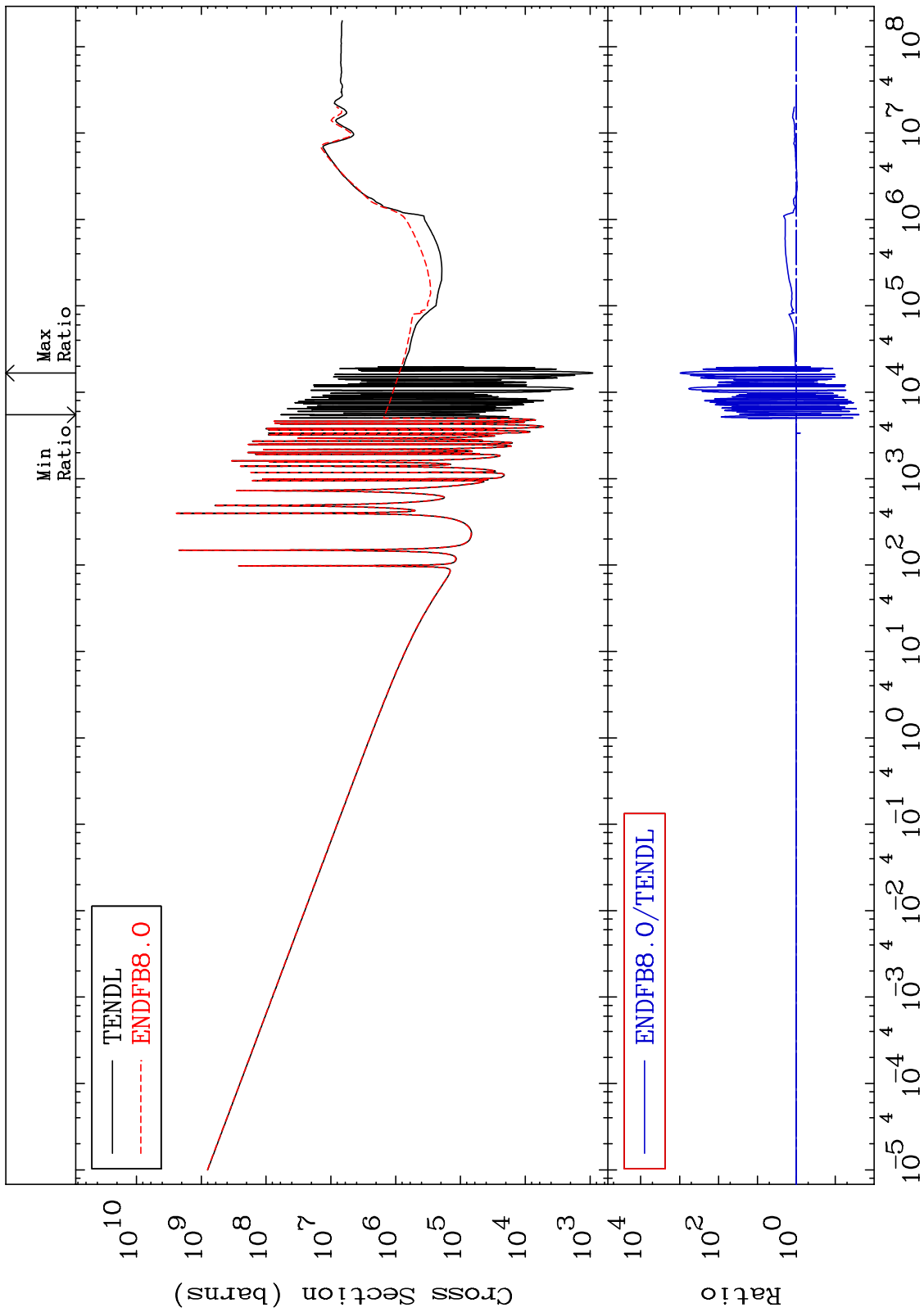
70-Yb-176
9999. To 9999. %



MAT 7049

Total photon (eV-barns)
Cross Section

70-Yb-176
-97.52 To 9999. %

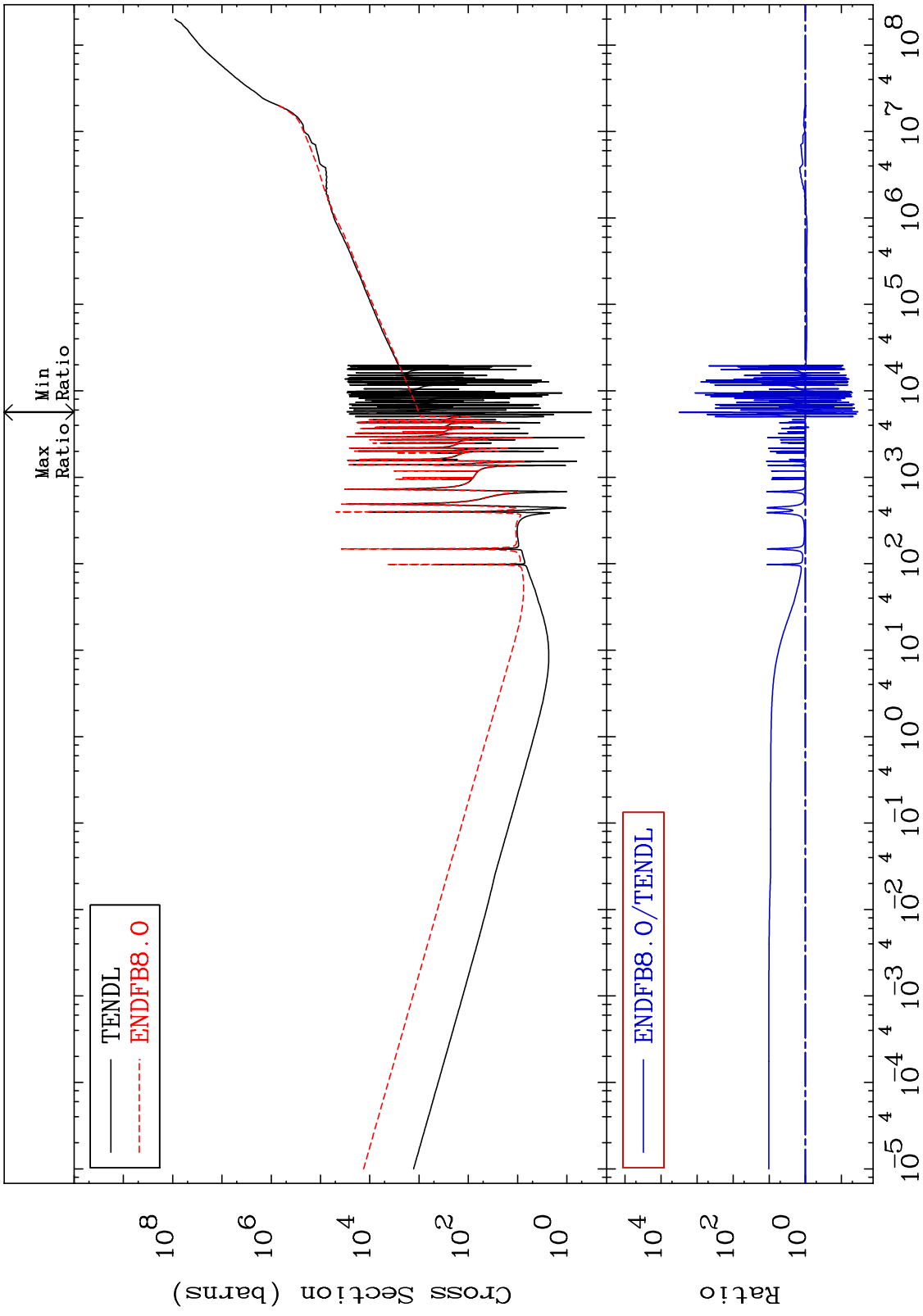


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Incident Energy (eV)

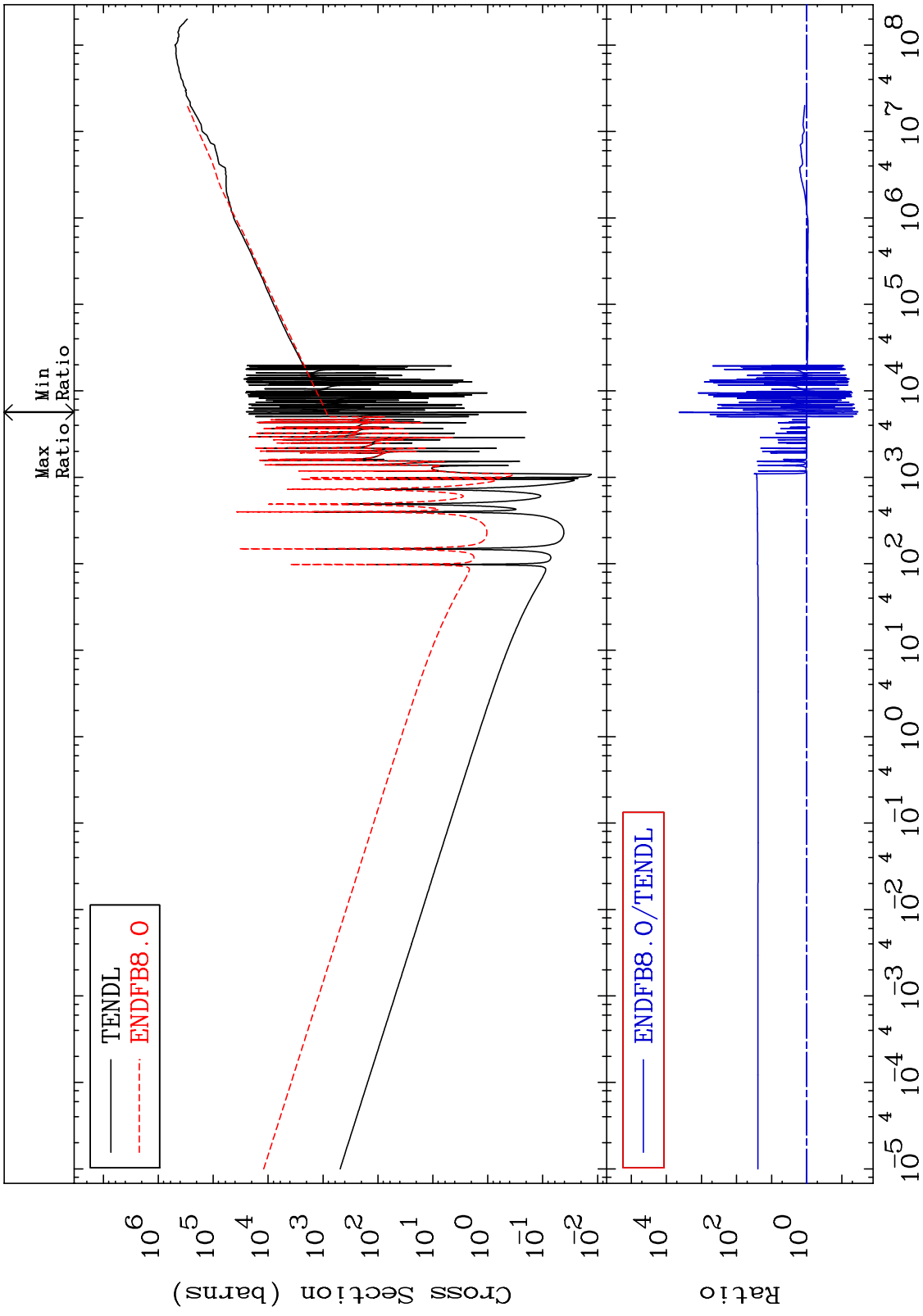
70-Yb-176

MAT 7049 Total kinematic kerma (high limit) 70-Yb-176
 Cross Section -96.50 To 9999. %



41 Incident Energy (eV) 70-Yb-176

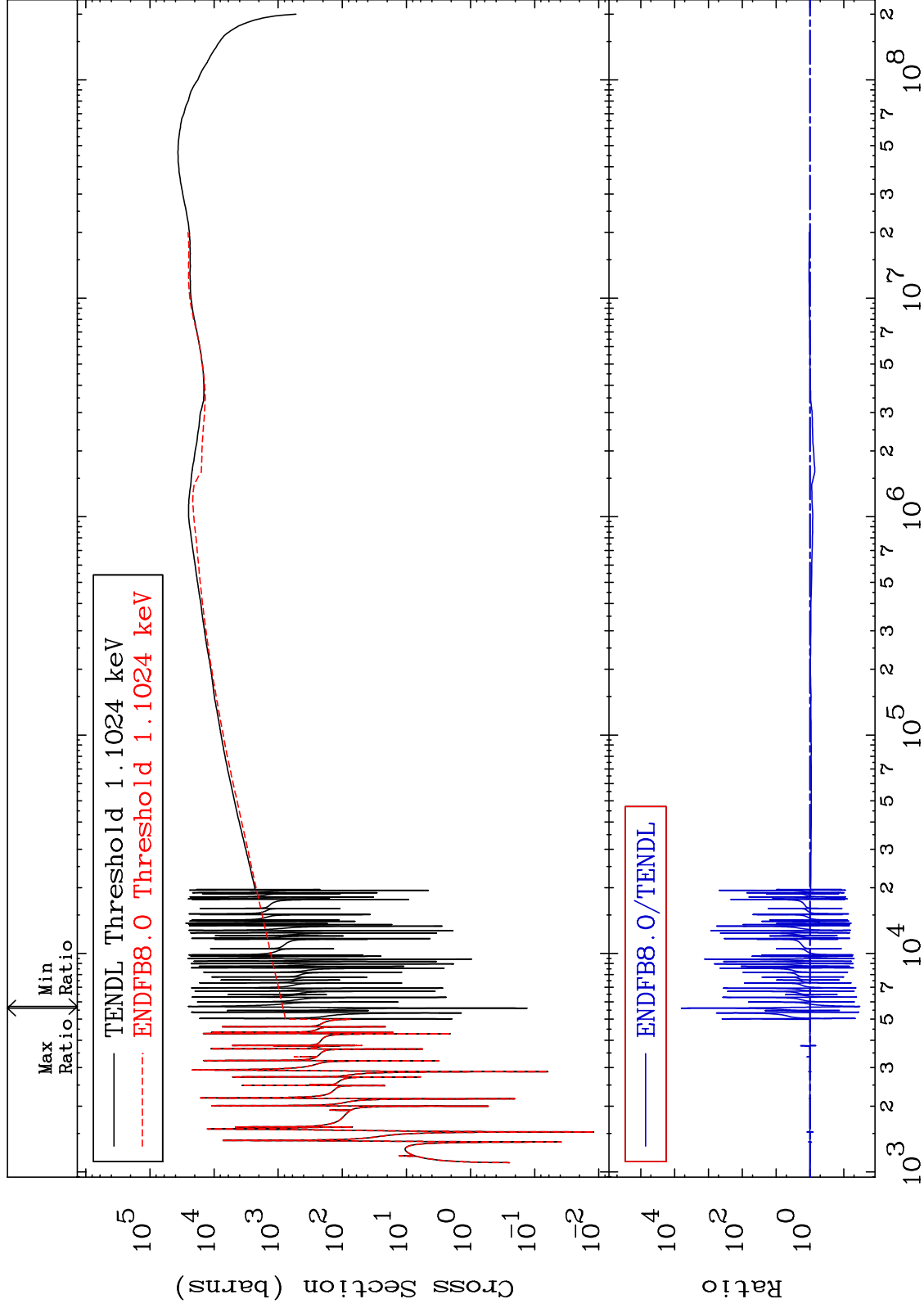
MAT 7049 Dpa total (eV-barns) 70-Yb-176
 Cross Section -96.51 To 9999. %



MAT 7049

Dpa elastic (mt2)
Cross Section

70-Yb-176
-96.62 To 9999. %

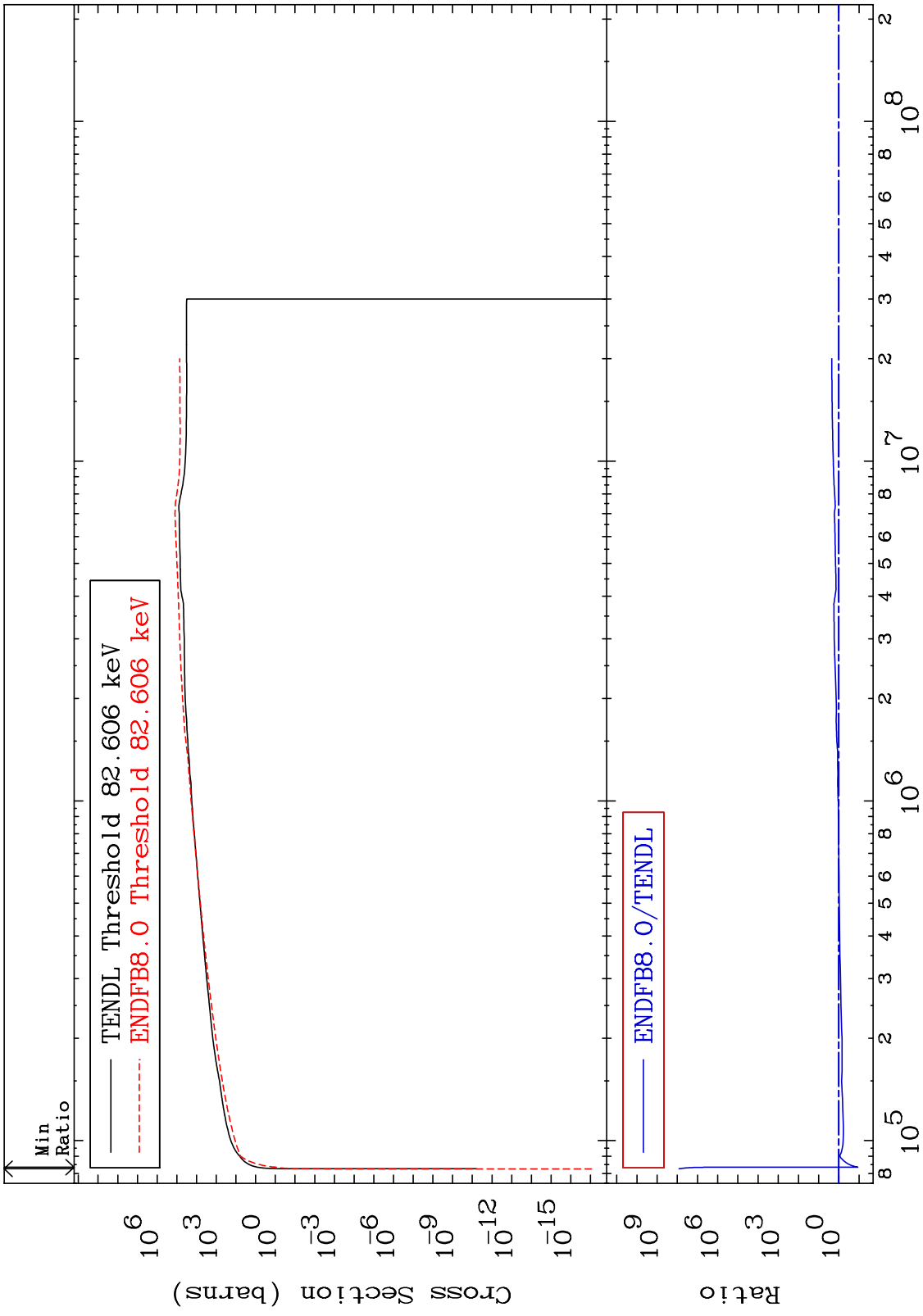


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Incident Energy (eV)

70-Yb-176

MAT 7049 Dpa inelastic (mt51-91) 70-Yb-176
 Cross Section -88.54 To 9999. %



MAT 7049 Dpa disappearance (mt102 -120) 70-Yb-176
 Cross Section -20.30 To 9999. %

