

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

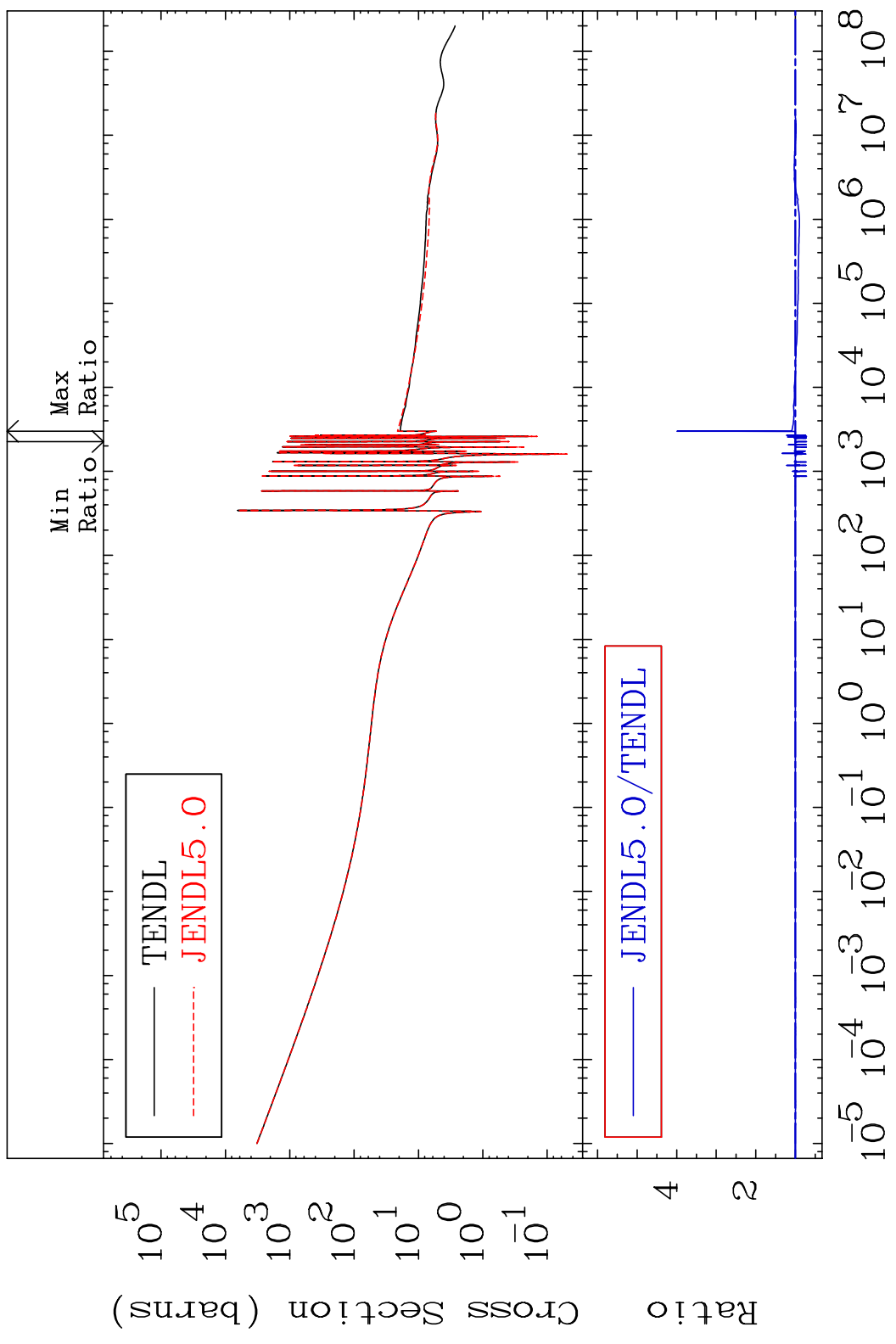
MAT 7043

Total

70-Yb-174

Cross Section

-27.69 To 298.7 %



1

Incident Energy (eV)

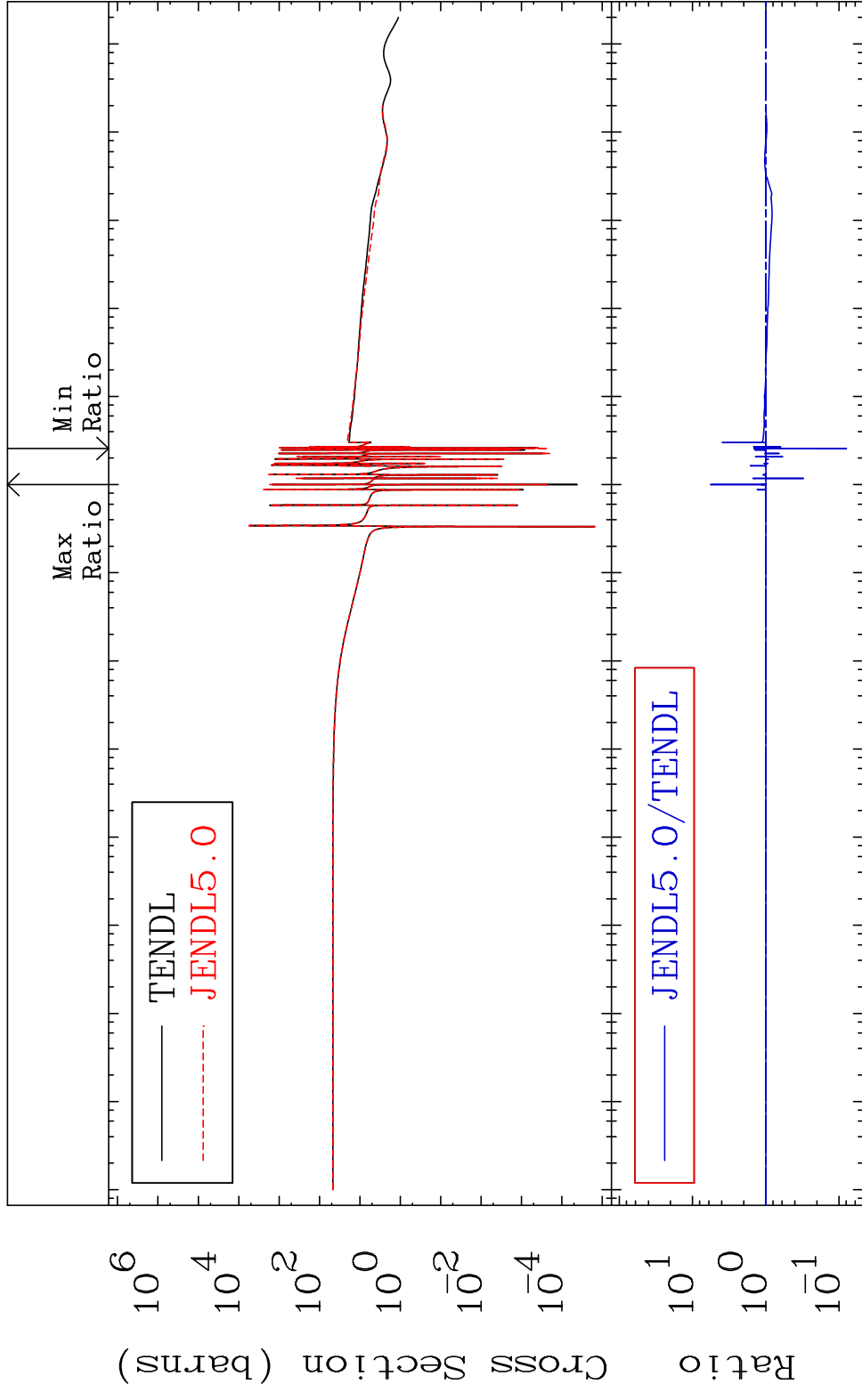
70-Yb-174

MAT 7043

70-Yb-174

Elastic

Cross Section -92.05 To 464.6 %

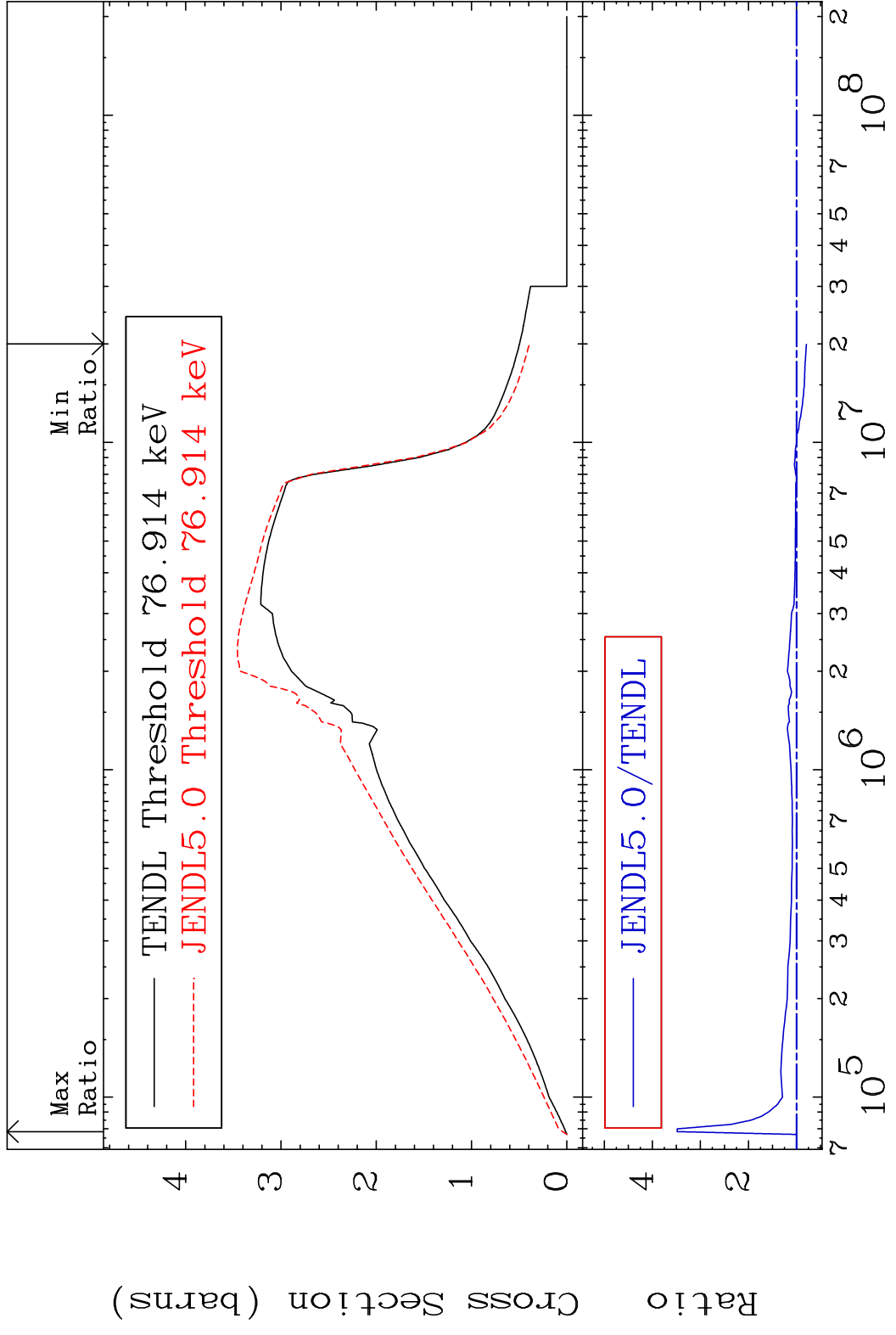


2

Incident Energy (eV)

70-Yb-174

MAT 7043 Inelastic Cross Section -20.80 To 248.4 % 70-Yb-174



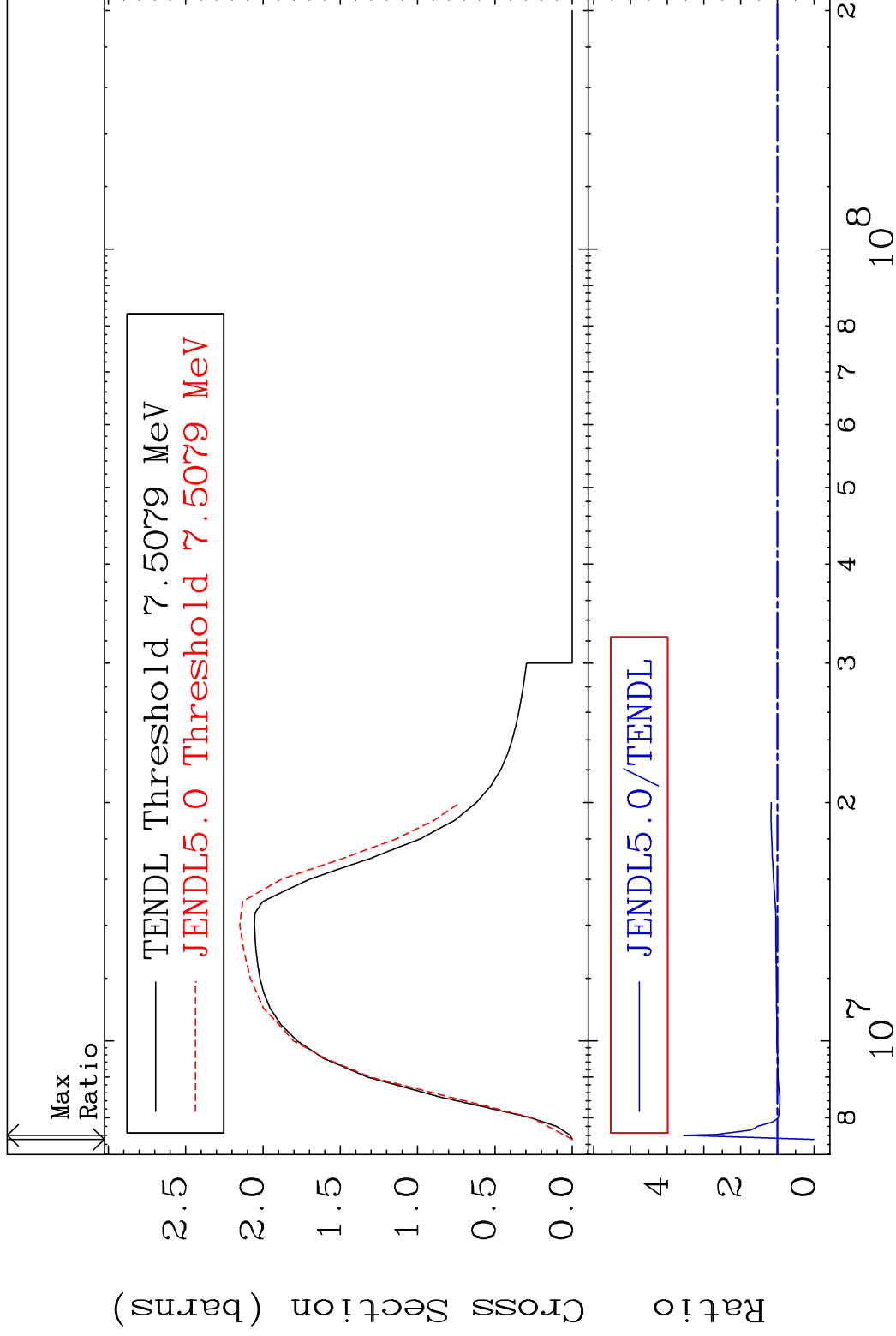
3 Incident Energy (eV) 70-Yb-174

MAT 7043

(n,2n)

70-Yb-174

Cross Section -100.0 To 255.1 %



4

Incident Energy (eV)

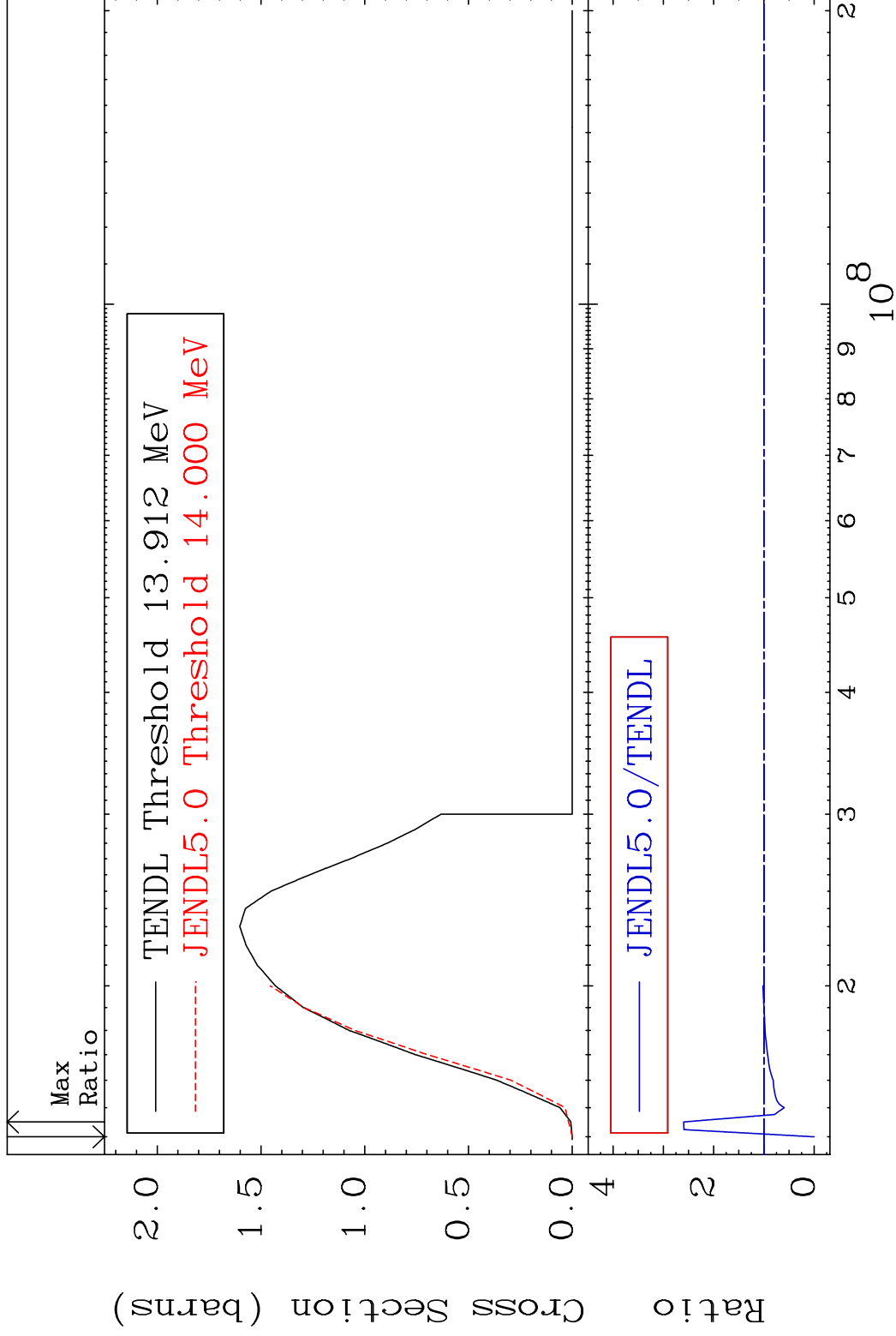
70-Yb-174

MAT 7043

(n,3n)

70-Yb-174

Cross Section -100.0 To 159.5 %



5

Incident Energy (eV)

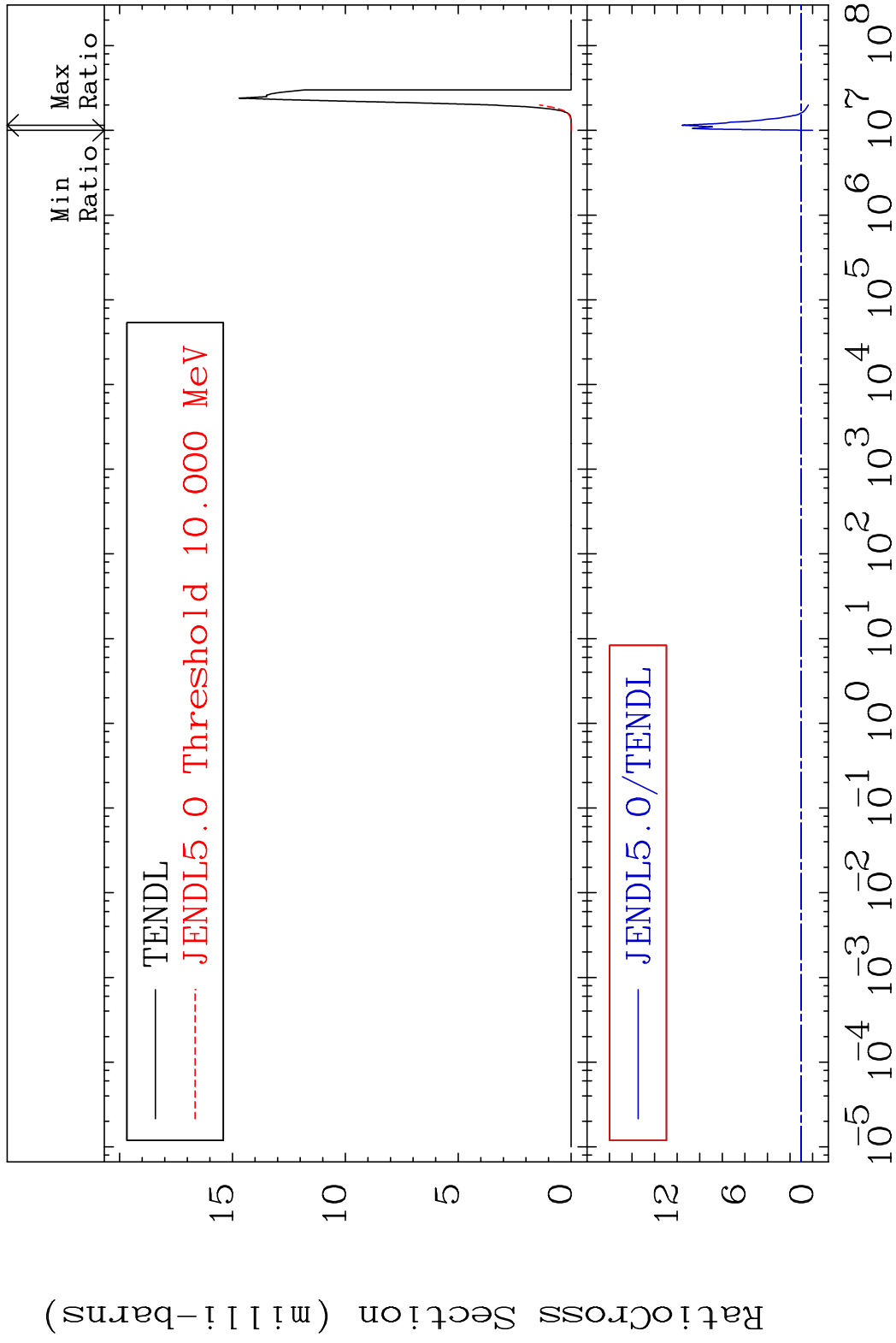
70-Yb-174

MAT 7043

(n, n') α

70-Yb-174

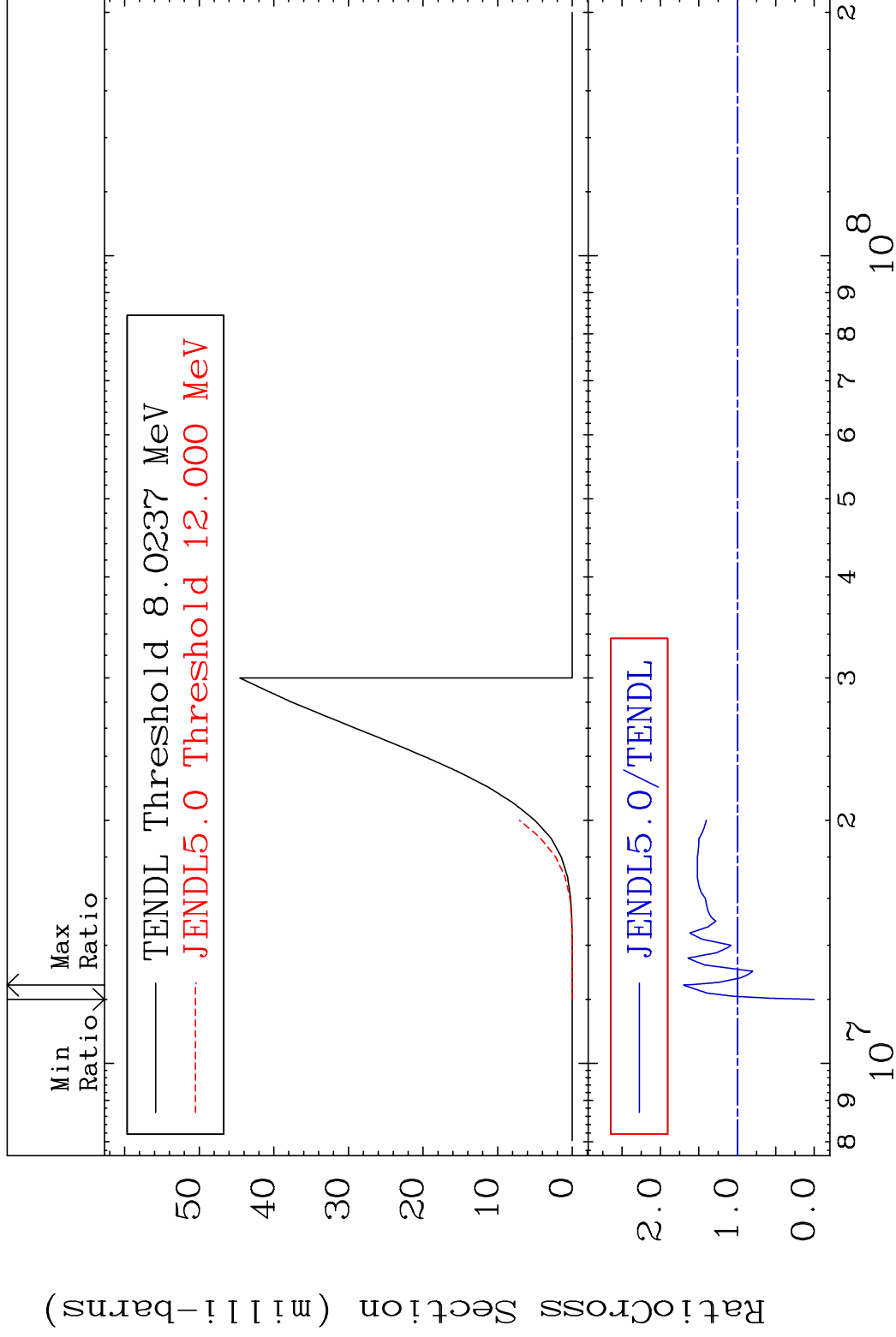
Cross Section -100.0 To 1054. %



MAT 7043

(n, n') p 70-Yb-174

Cross Section -100.0 To 69.82 %



7

Incident Energy (eV)

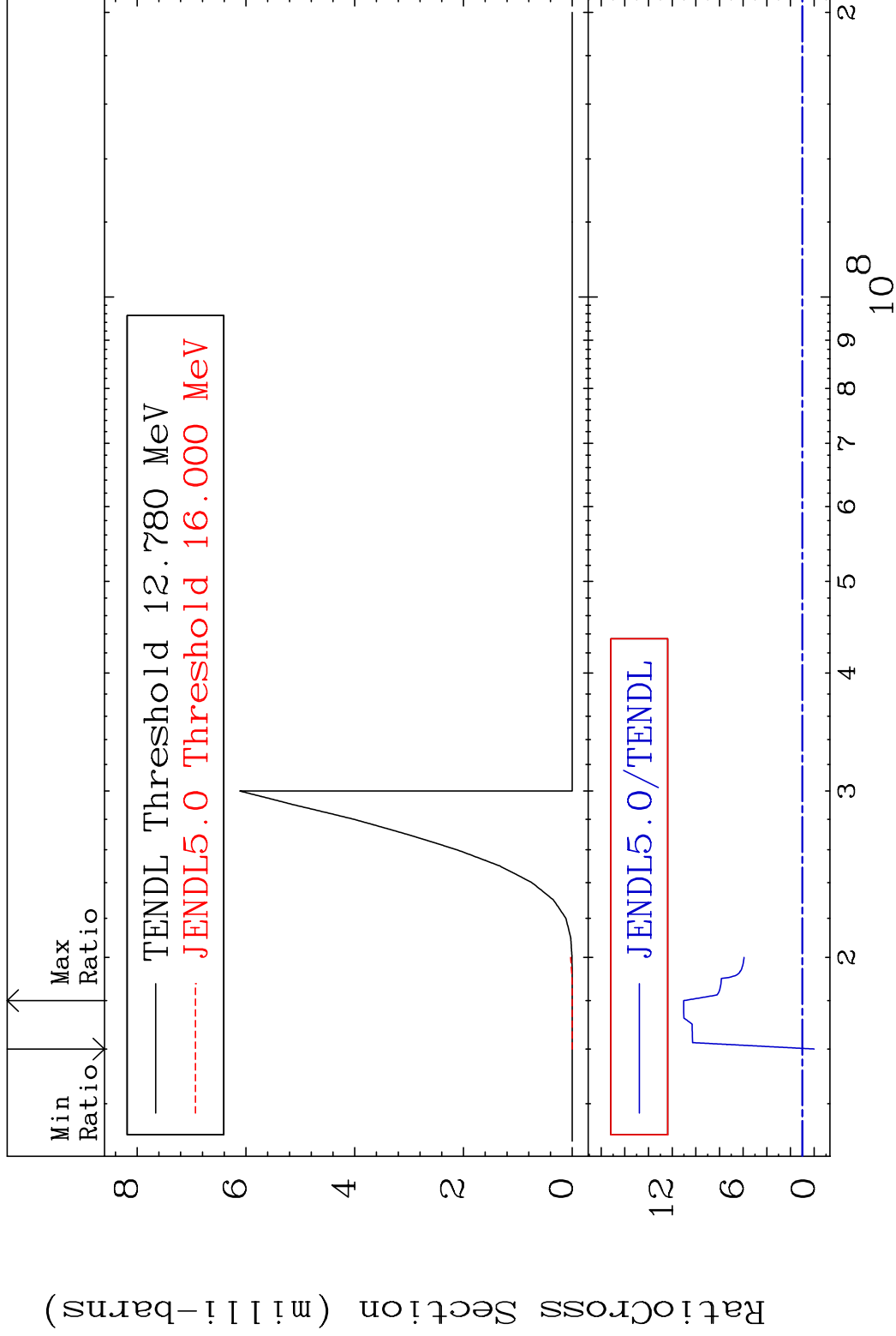
70-Yb-174

MAT 7043

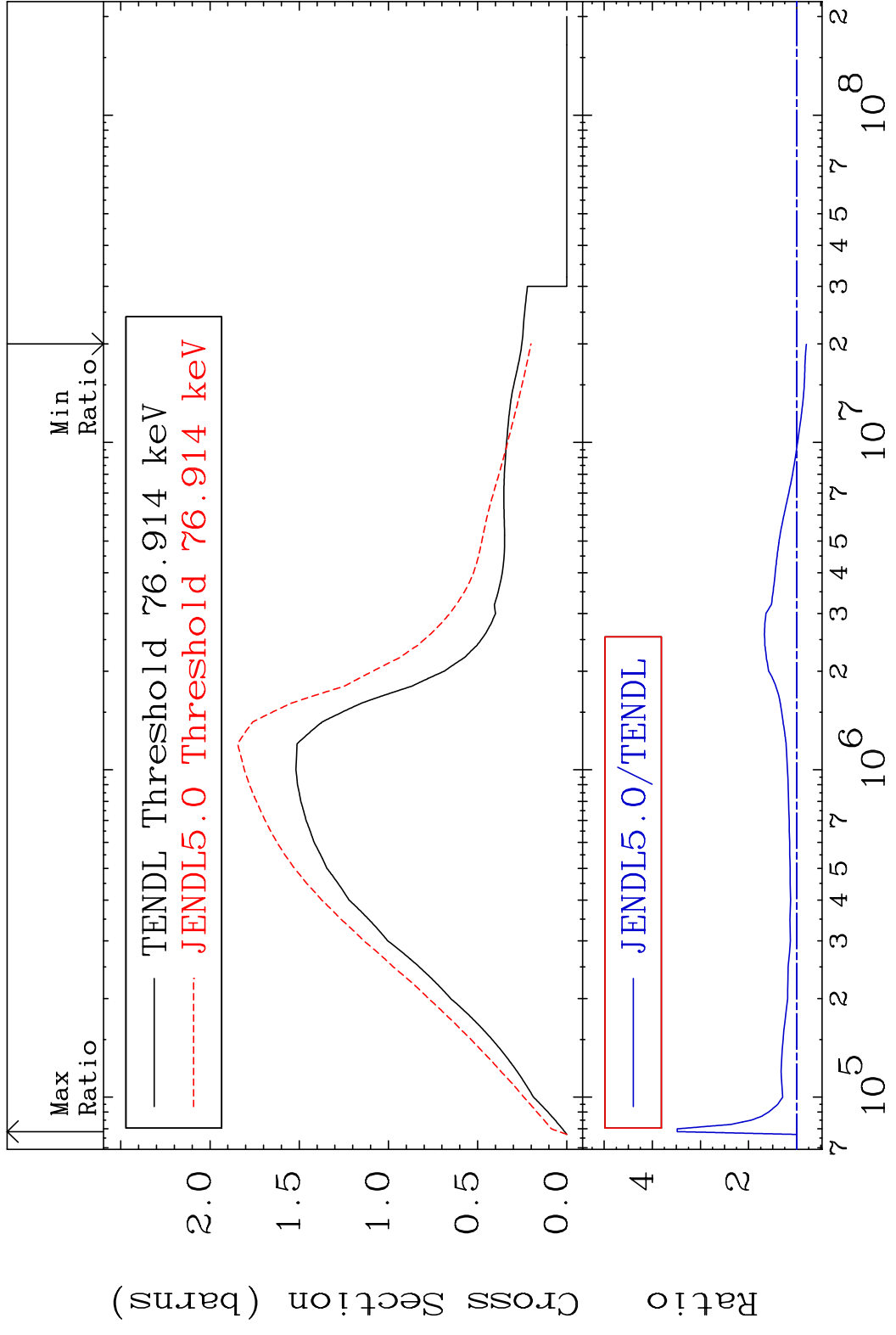
(n, n') d

70-Yb-174

Cross Section -100.0 To 1003. %

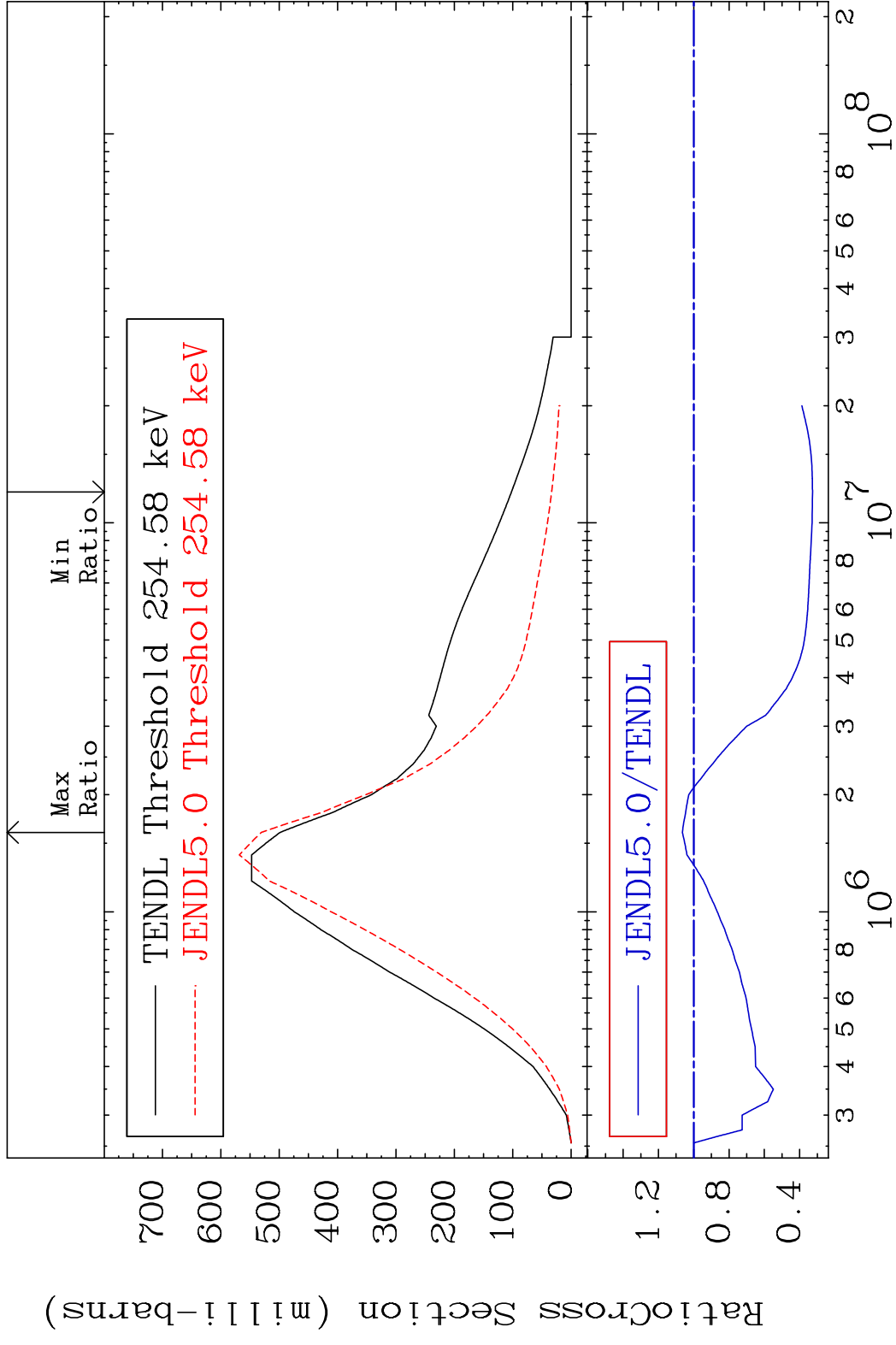


MAT 7043 MT= 51 (n, n') Level 70-Yb-174
 Cross Section -20.11 To 248.4 %



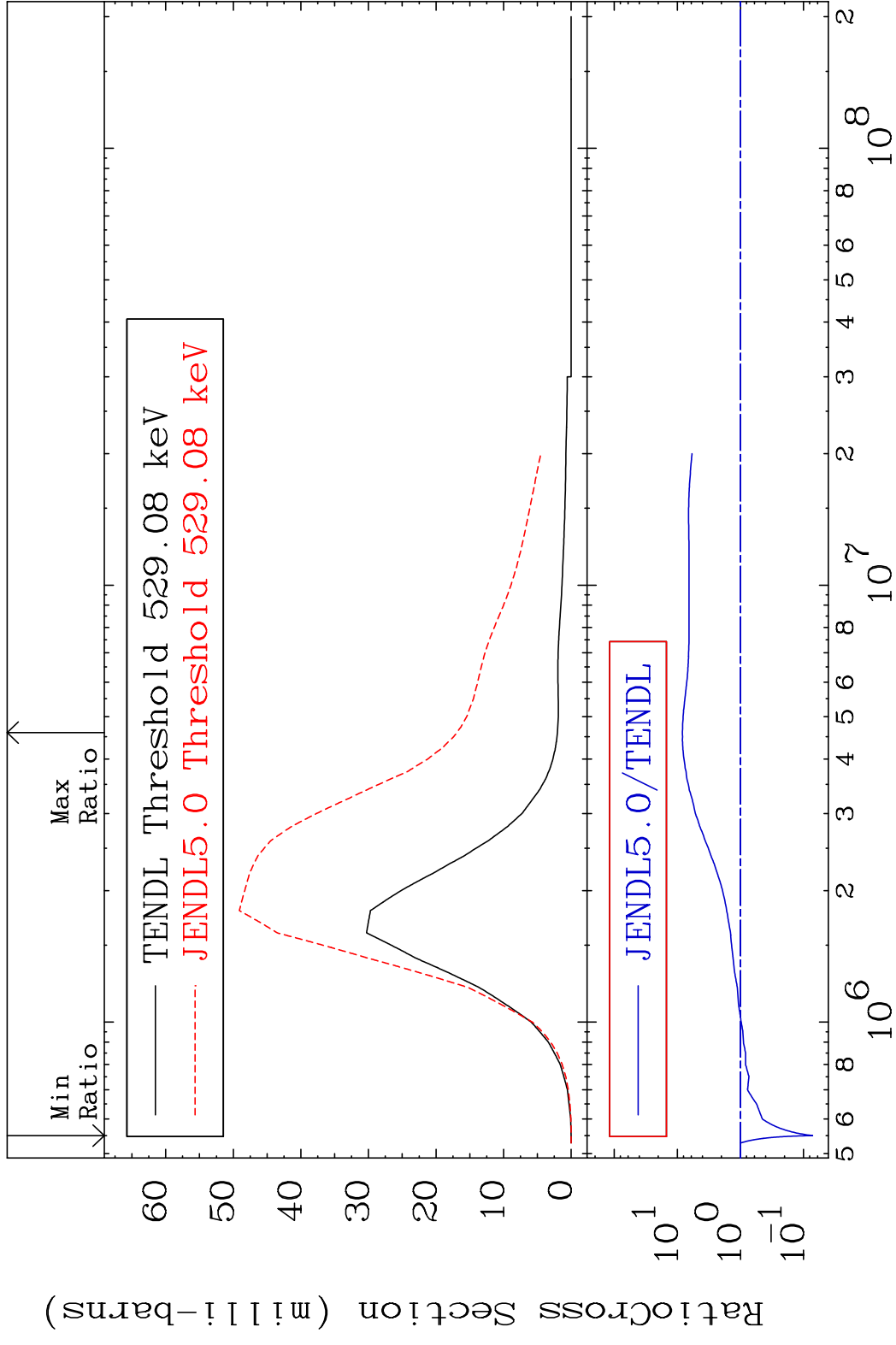
9 Incident Energy (eV) 70-Yb-174

MAT 7043 MT= 52 (n, n') Level 70-Yb-174
 Cross Section -67.30 To 6.464 %

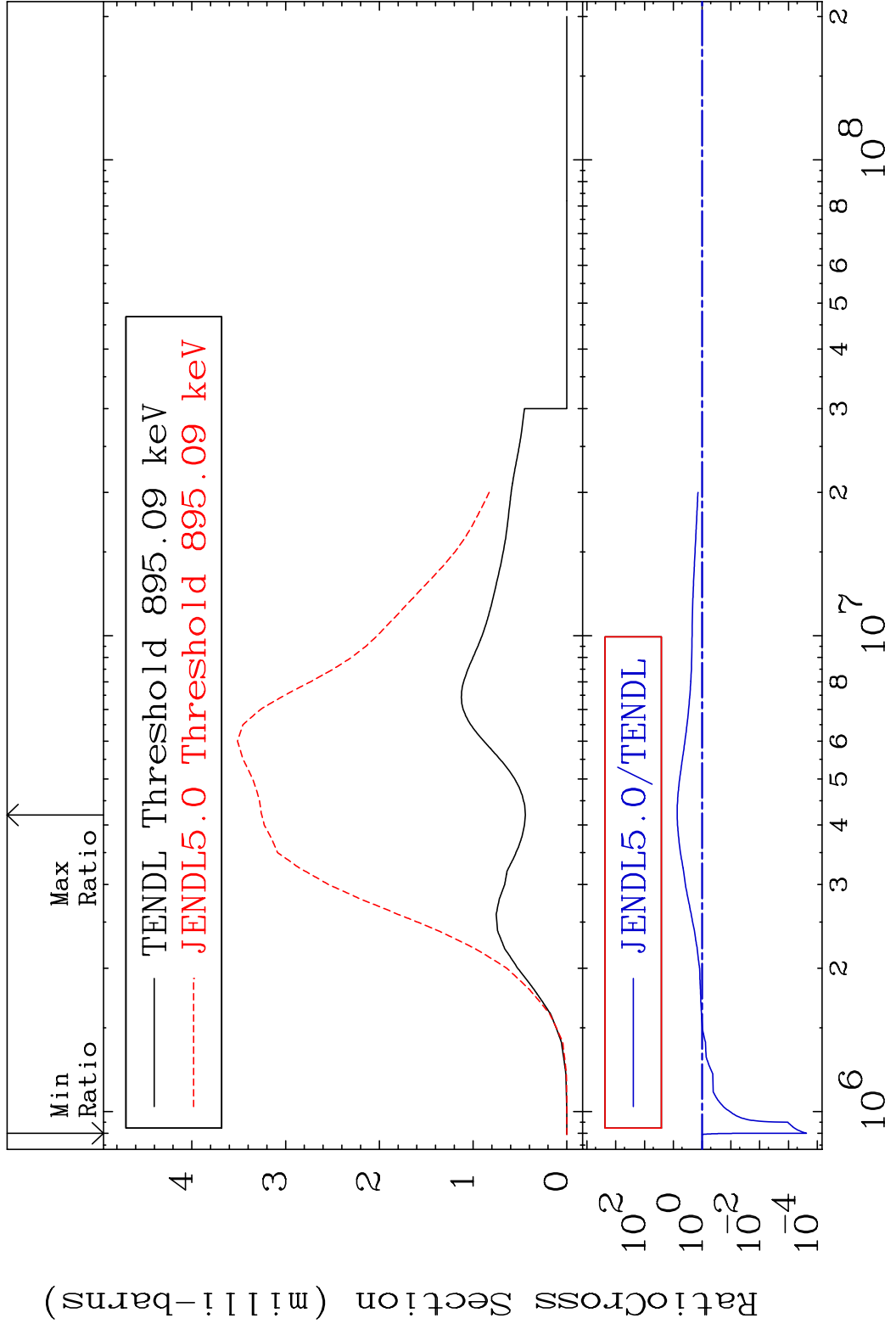


10 Incident Energy (eV) 70-Yb-174

MAT 7043 MT= 53 (n, n') Level 70-Yb-174
 Cross Section -92.79 To 731.6 %

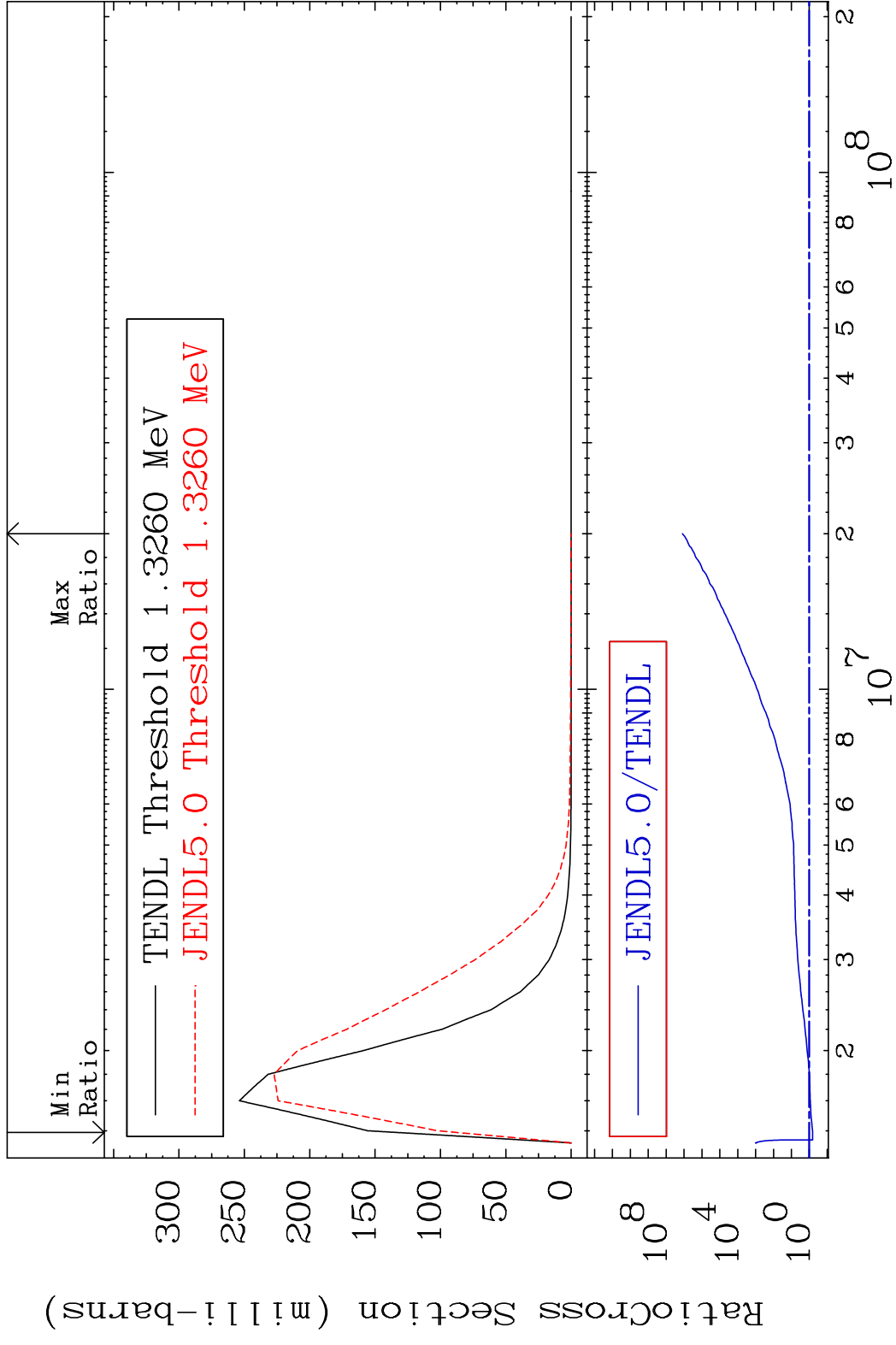


MAT 7043 MT= 54 (n, n') Level 70-Yb-174
 Cross Section -99.98 To 634.0 %

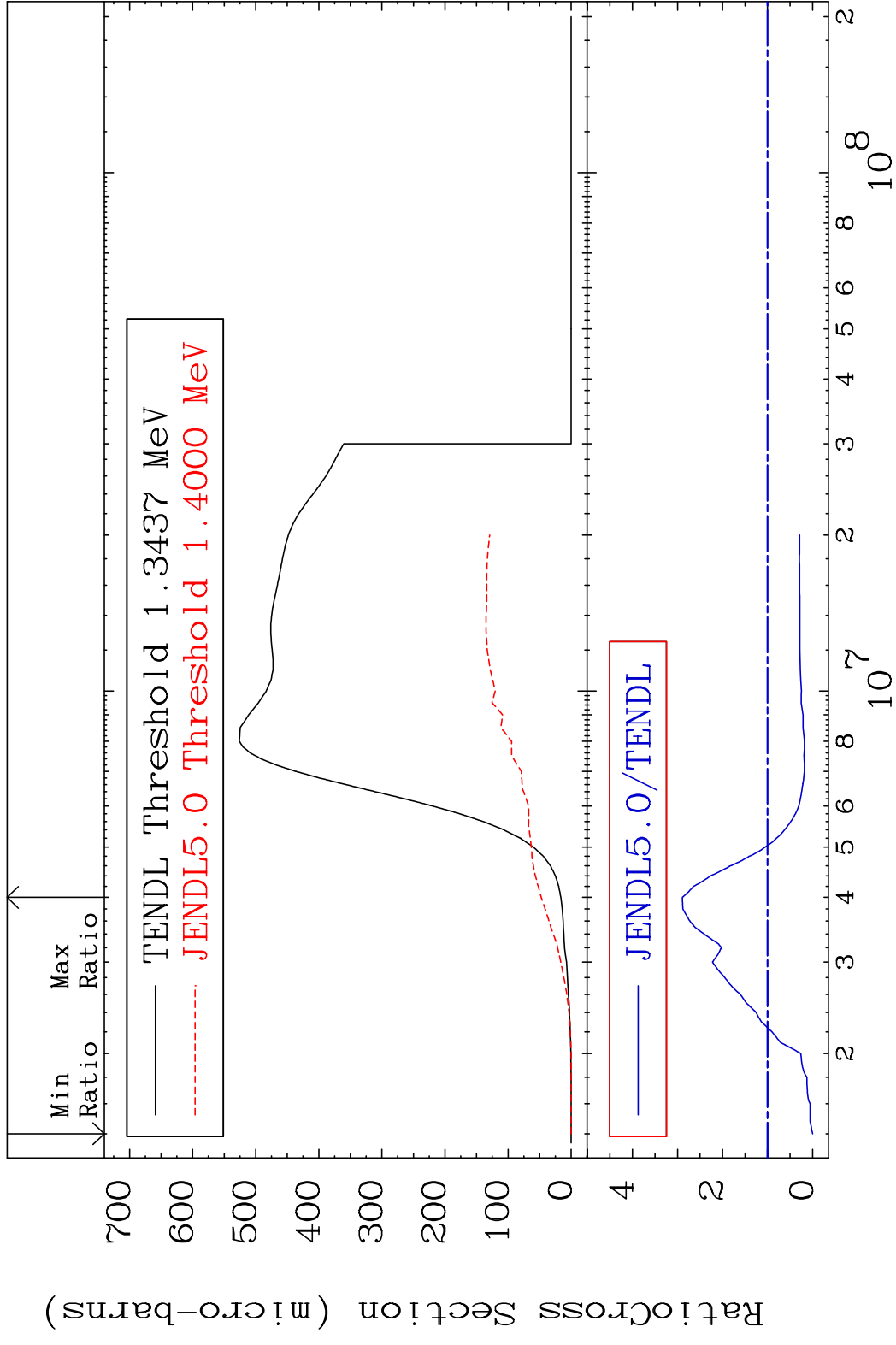


12 Incident Energy (eV) 70-Yb-174

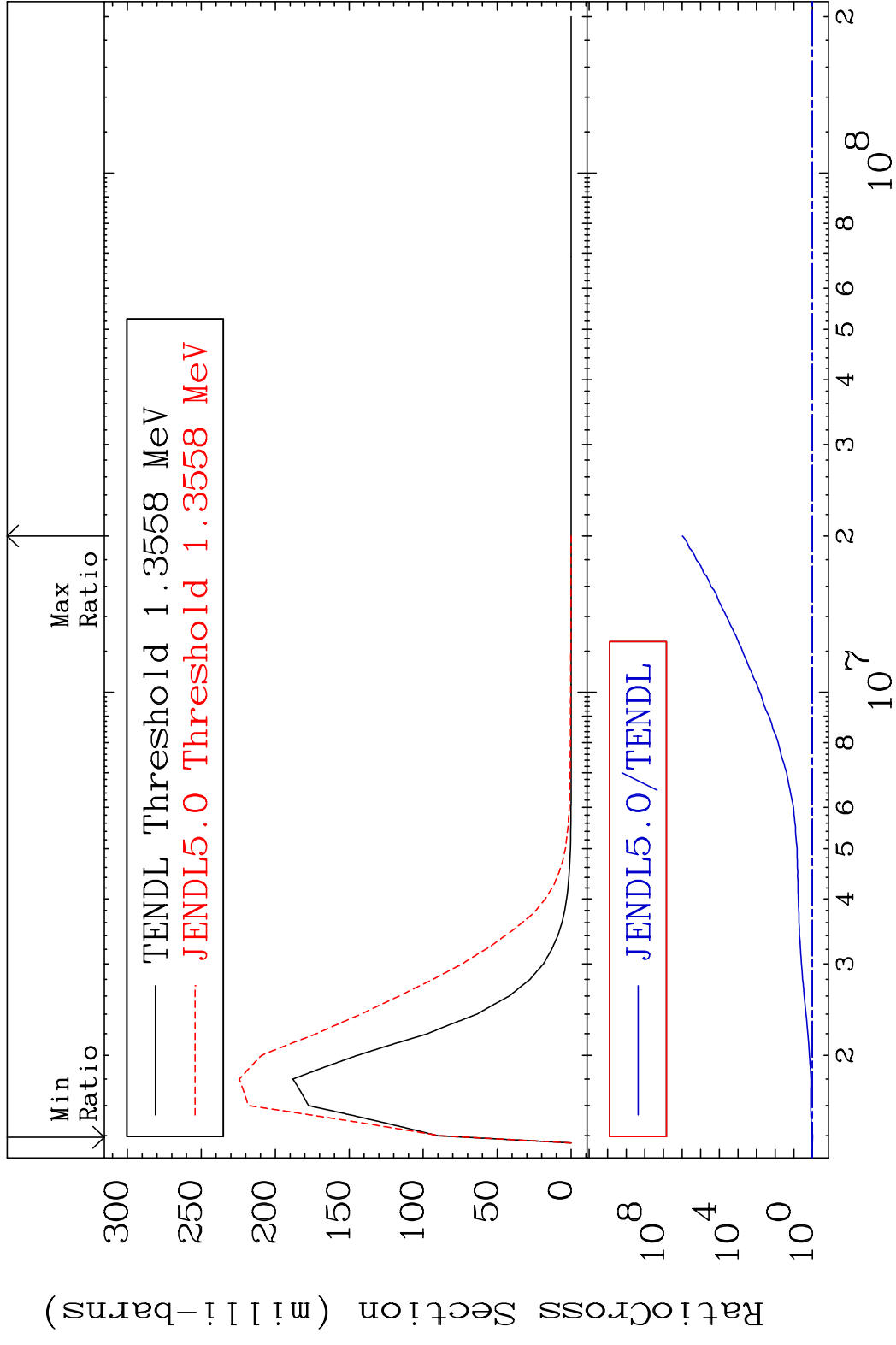
MAT 7043 MT= 55 (n, n') Level 70-Yb-174
 Cross Section -34.32 To 9999. %



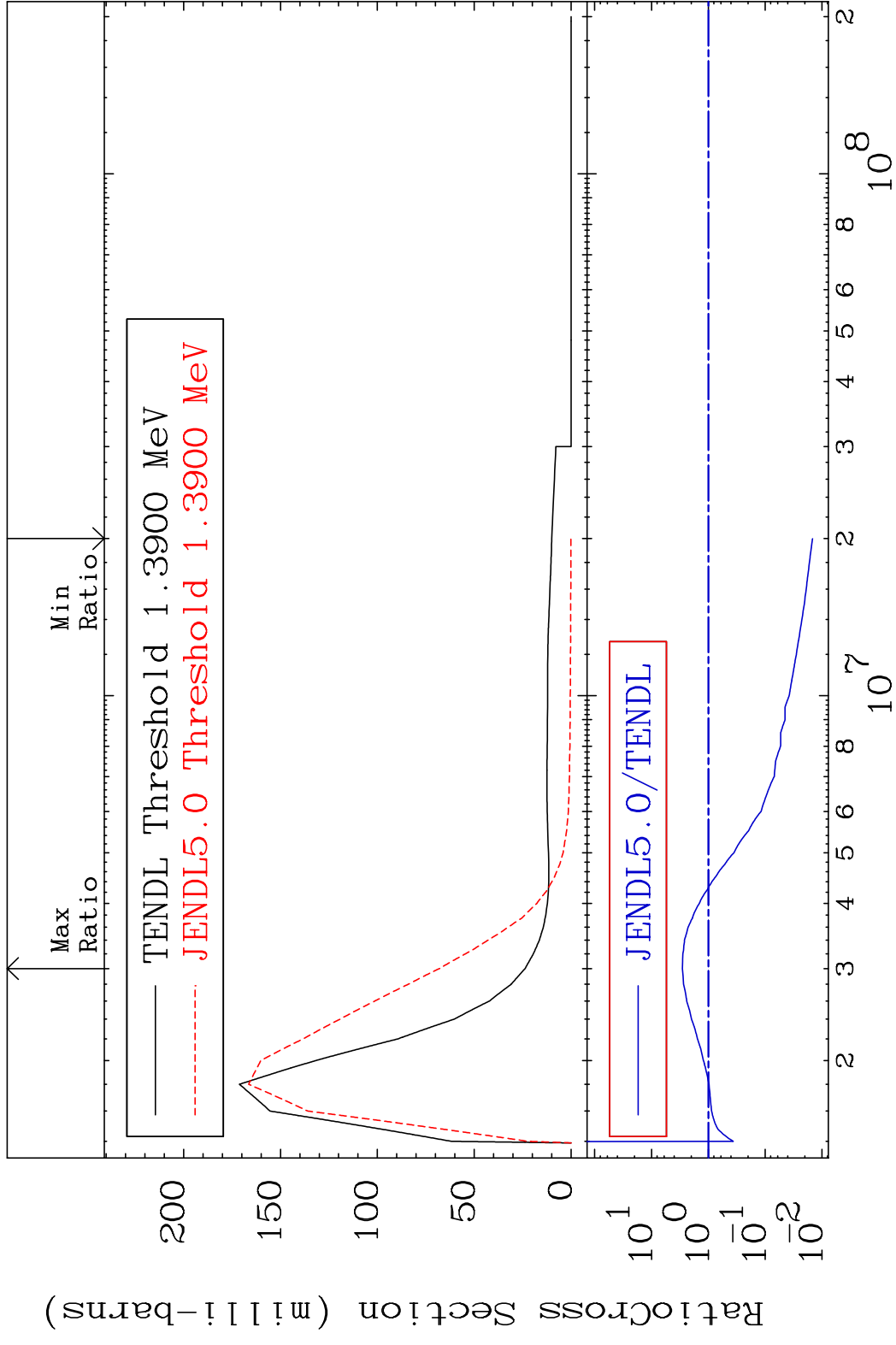
MAT 7043 MT= 56 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 189.2 %



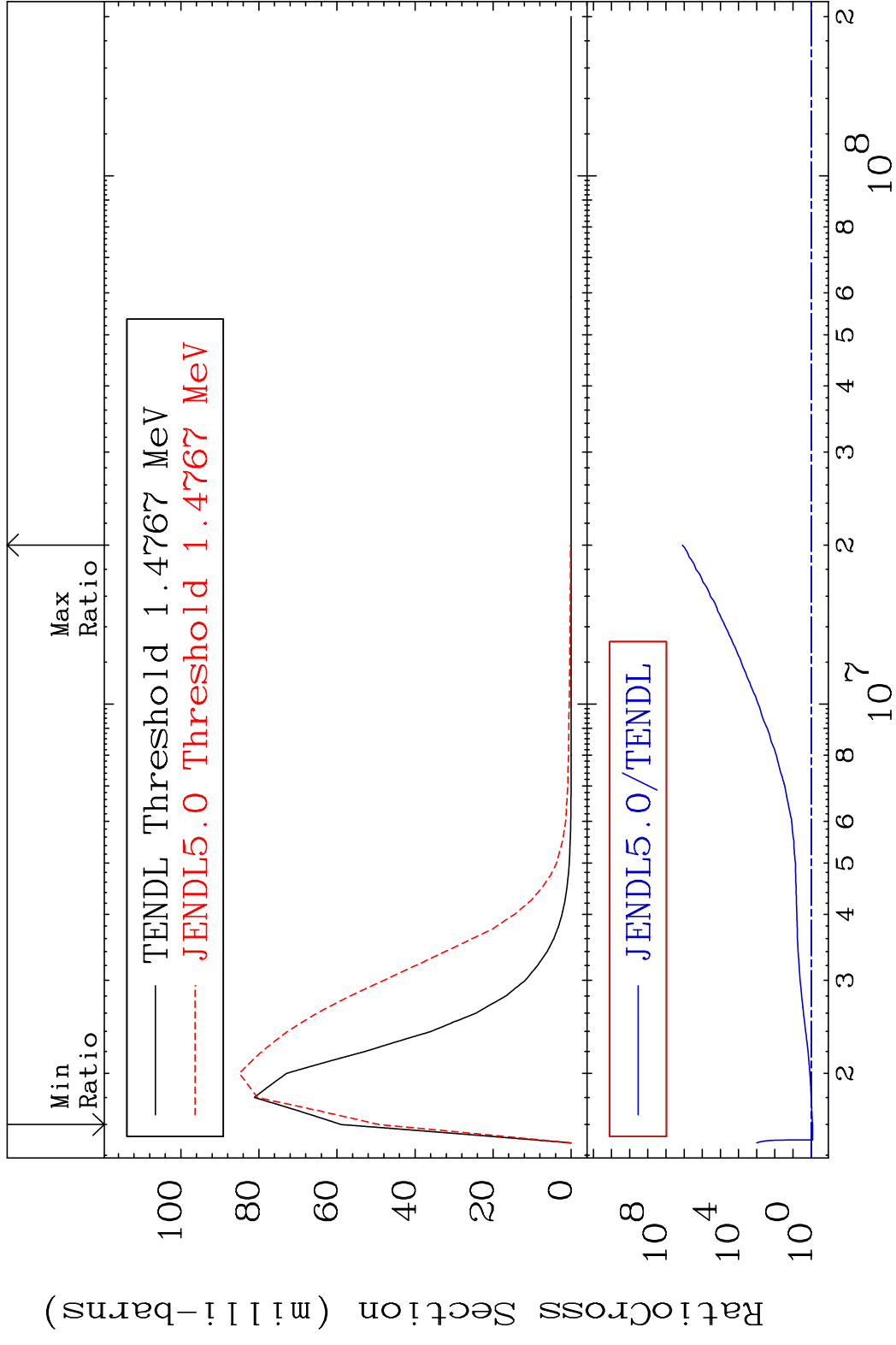
MAT 7043 MT= 57 (n, n') Level 70-Yb-174
 Cross Section -1.807 To 9999. %



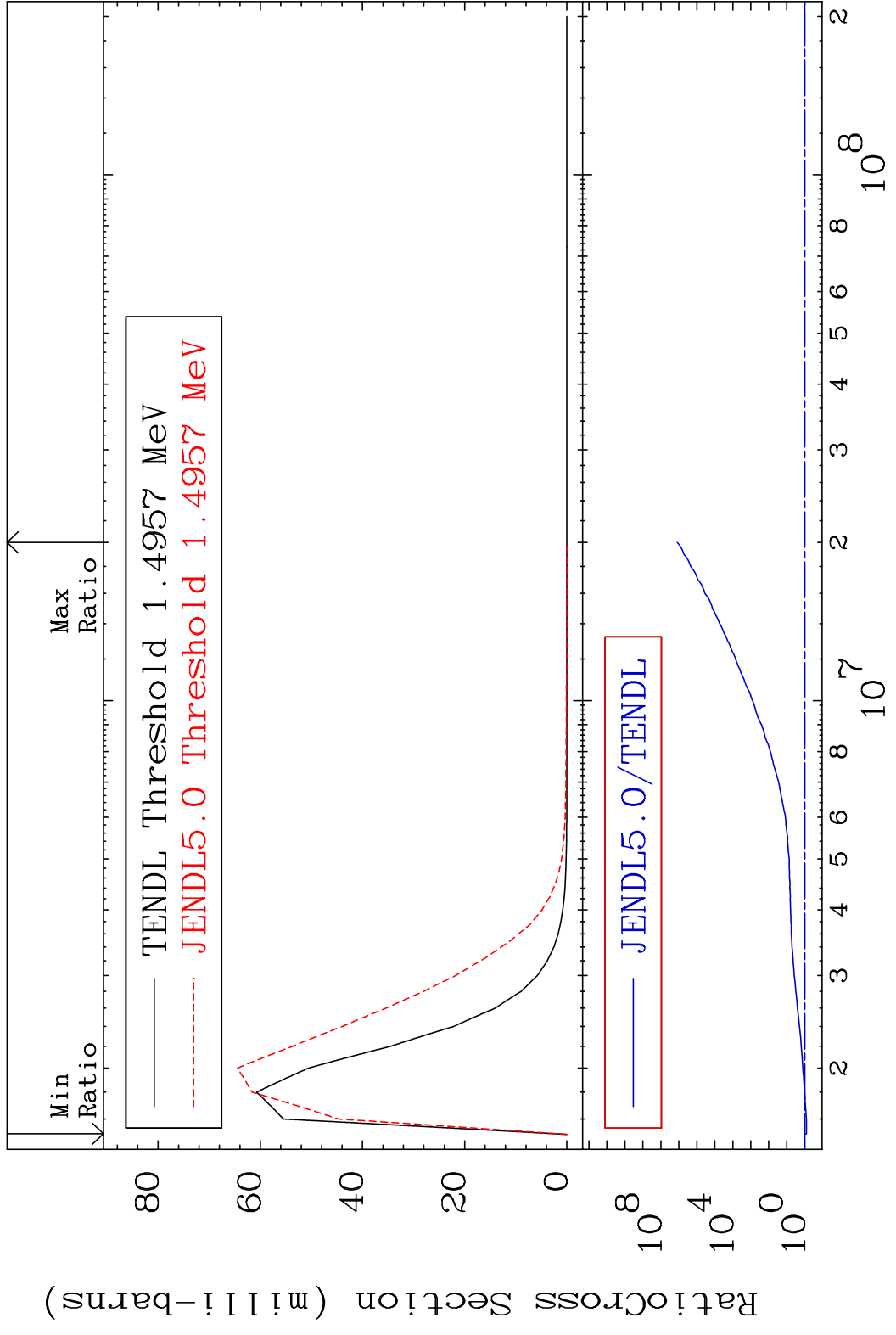
MAT 7043 MT= 58 (n, n') Level 70-Yb-174
 Cross Section -98.54 To 186.2 %



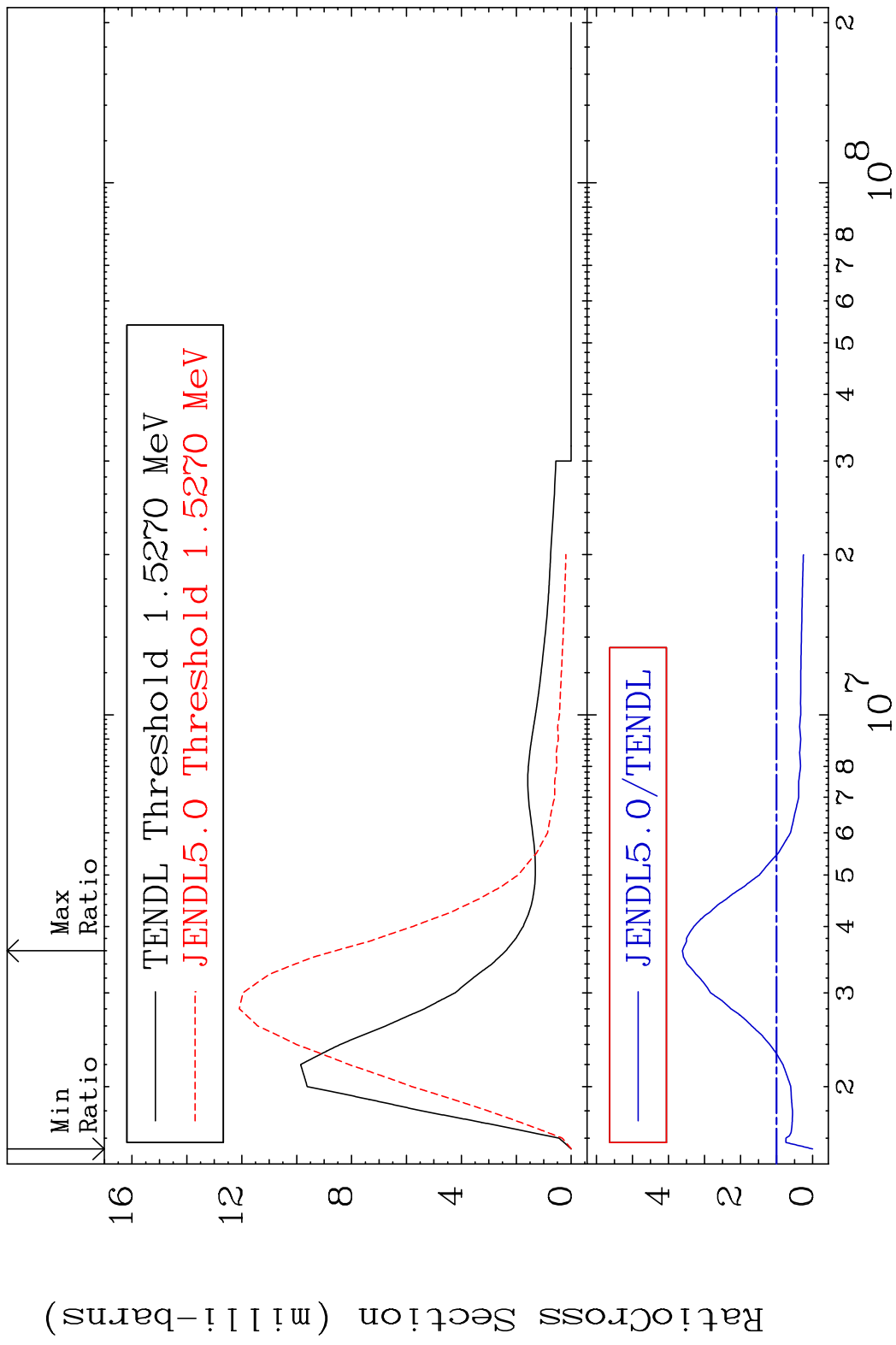
MAT 7043 MT= 59 (n, n') Level 70-Yb-174
 Cross Section -16.35 To 9999. %



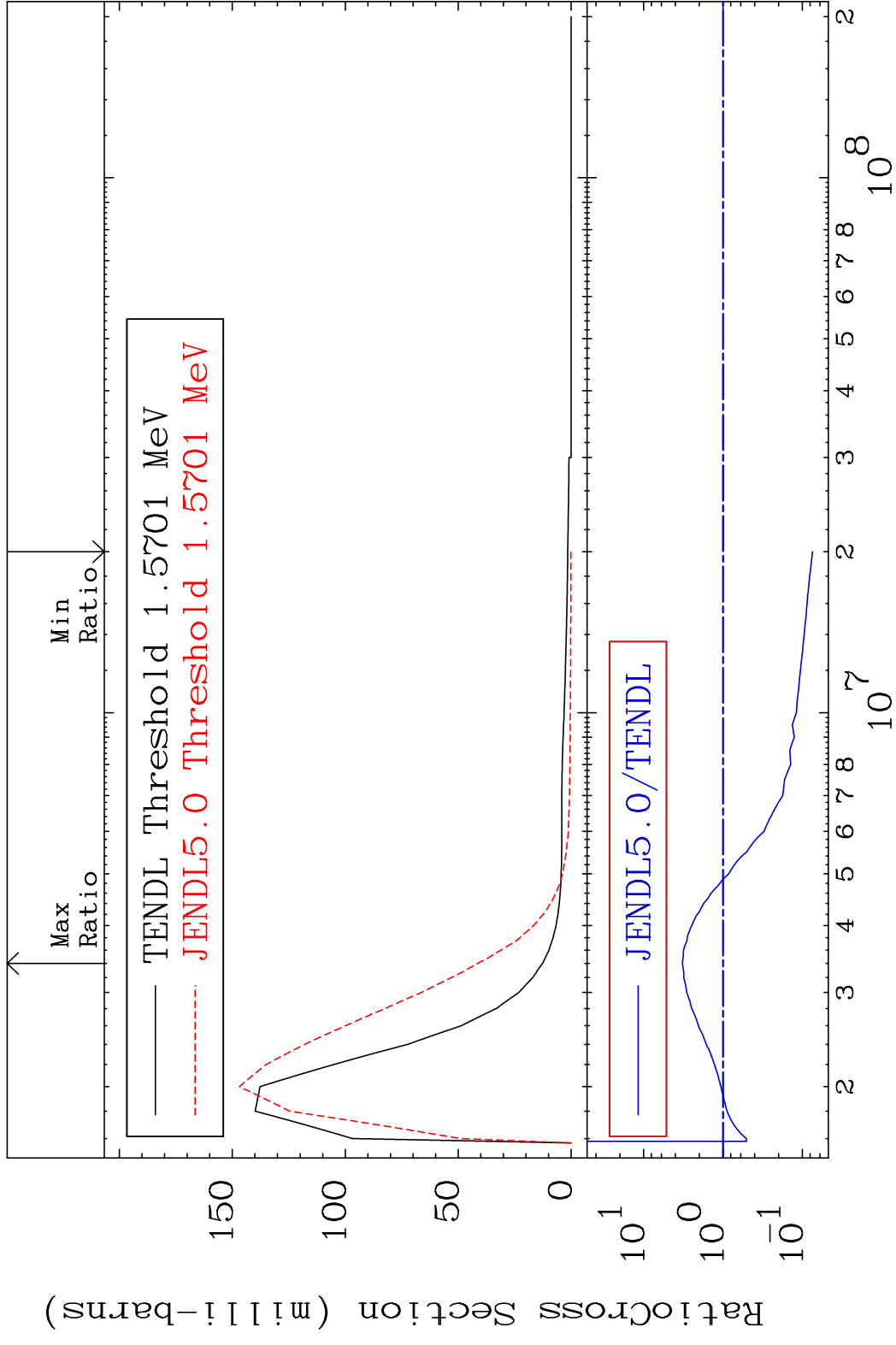
MAT 7043 MT= 60 (n, n') Level 70-Yb-174
 Cross Section -19.49 To 9999. %



MAT 7043 MT= 61 (n,n') Level 70-Yb-174
 Cross Section -100.0 To 261.3 %

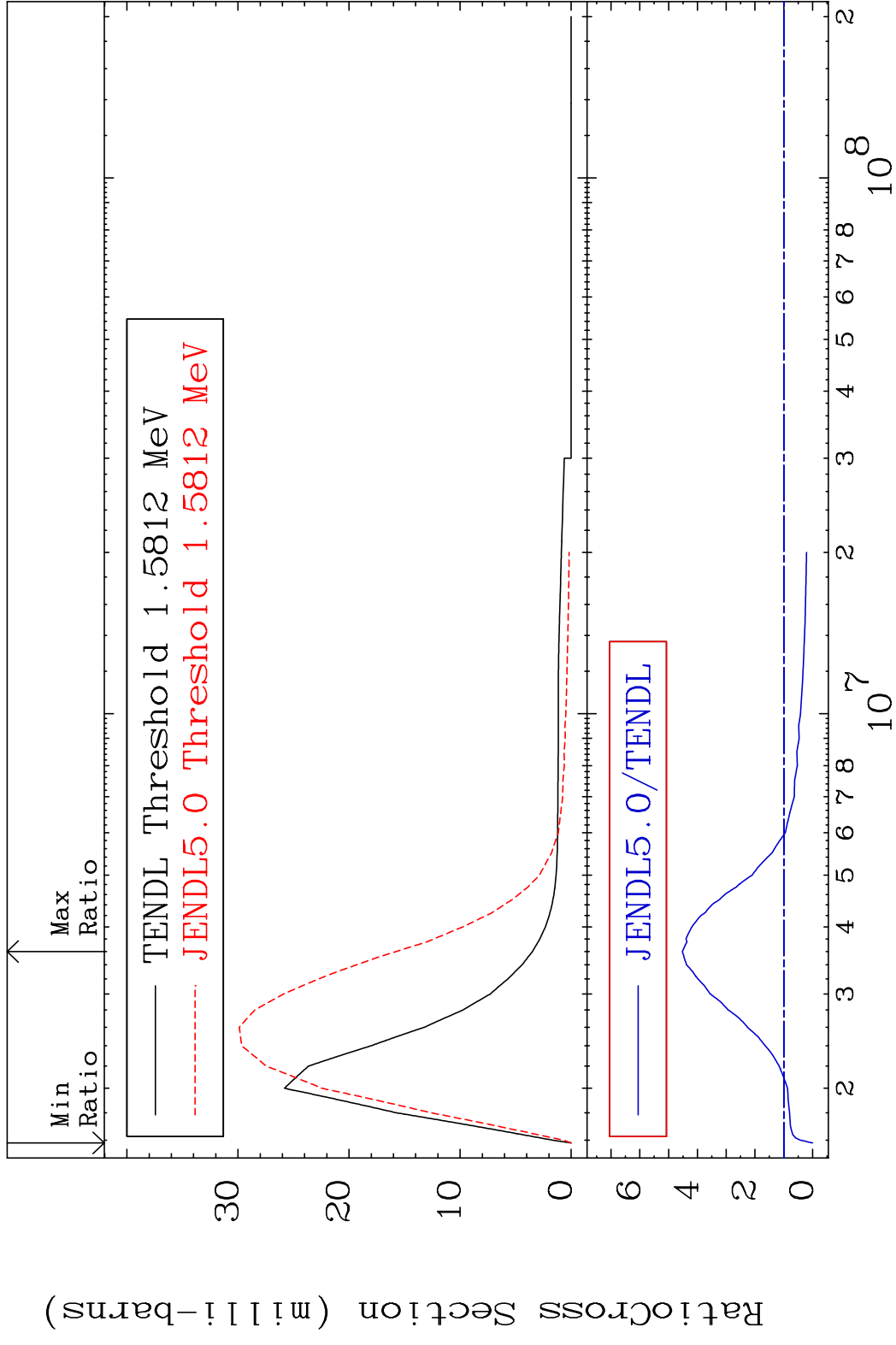


MAT 7043 MT= 62 (n, n') Level 70-Yb-174
 Cross Section -92.55 To 225.9 %

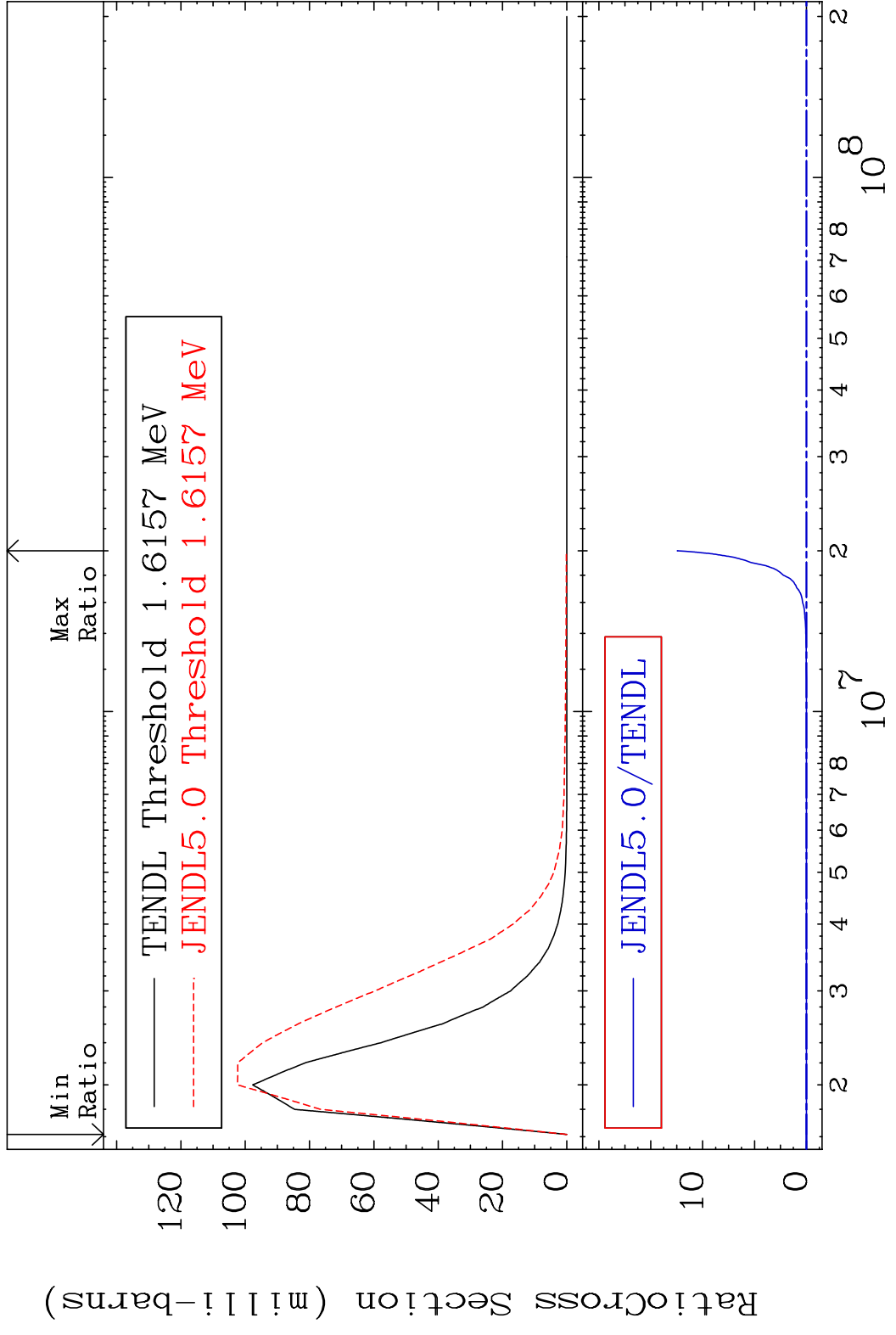


20 Incident Energy (eV) 70-Yb-174

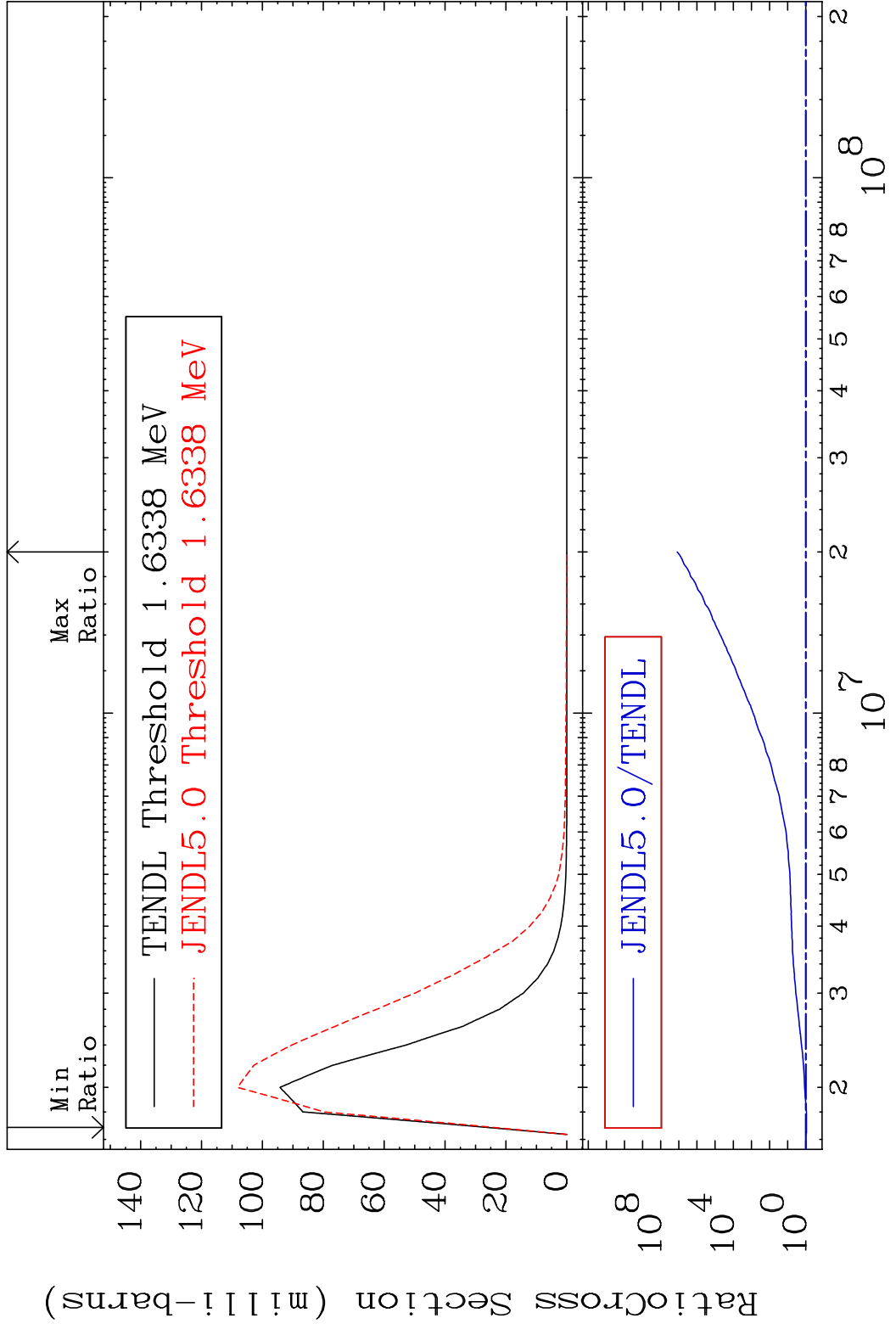
MAT 7043 MT= 63 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 352.3 %



MAT 7043 MT= 64 (n, n') Level 70-Yb-174
 Cross Section -100.0 To 9999. %



MAT 7043 MT= 65 (n, n') Level 70-Yb-174
 Cross Section -7.930 To 9999. %

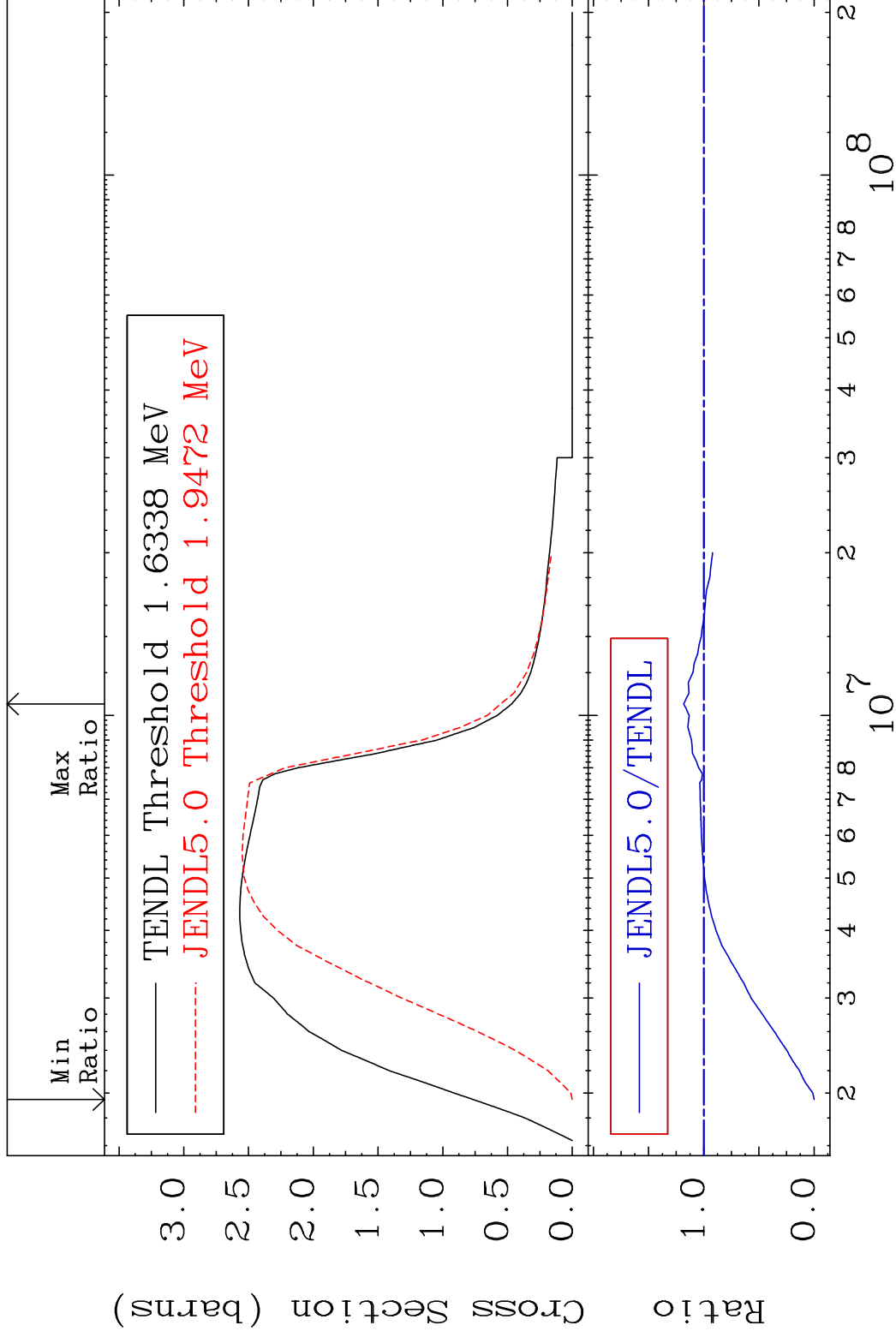


MAT 7043

(n, n') Continuum

70-Yb-174

Cross Section -100.0 To 18.24 %

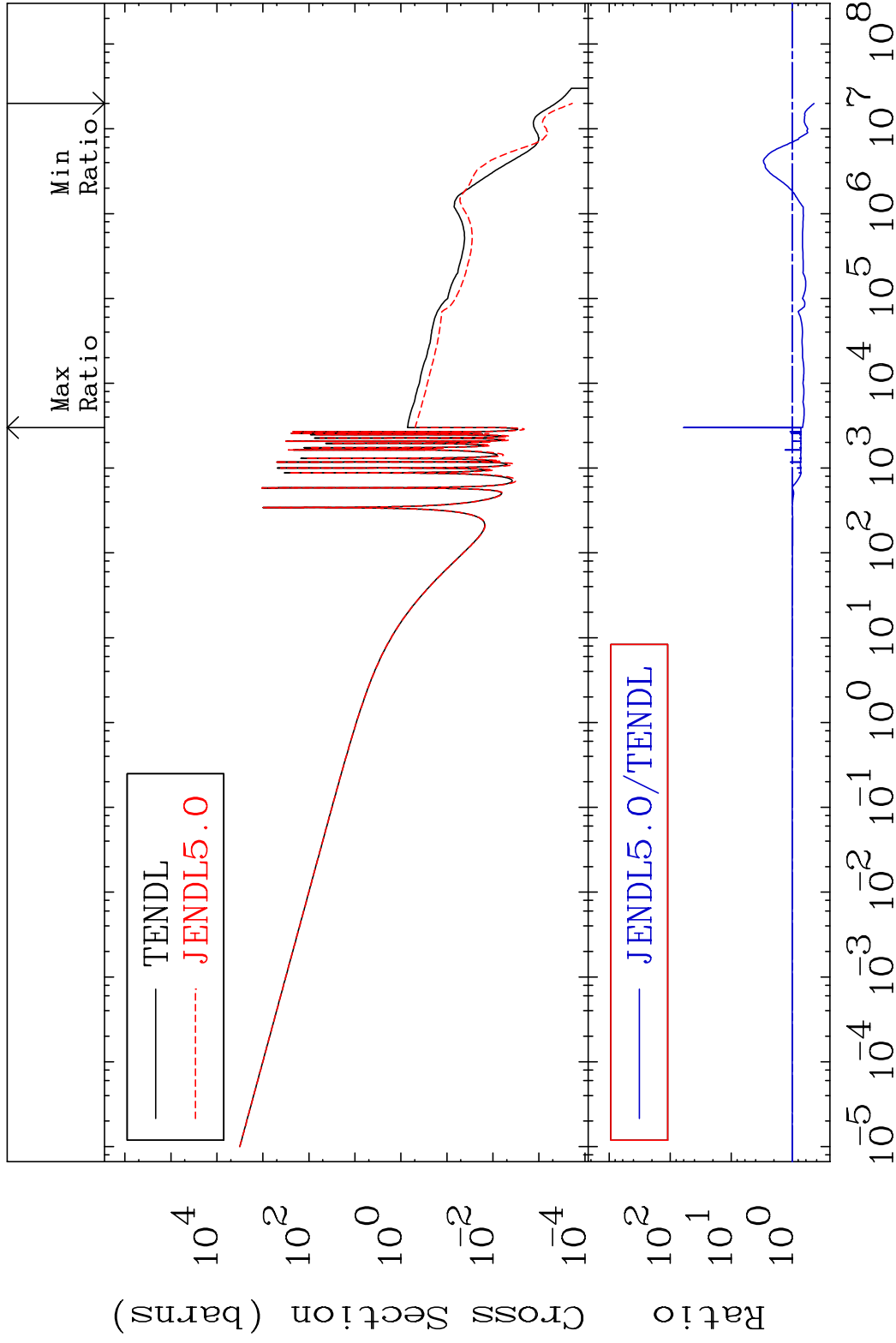


MAT 7043

(n, γ)

70-Yb-174

Cross Section -56.07 To 5929. %



25

Incident Energy (eV)

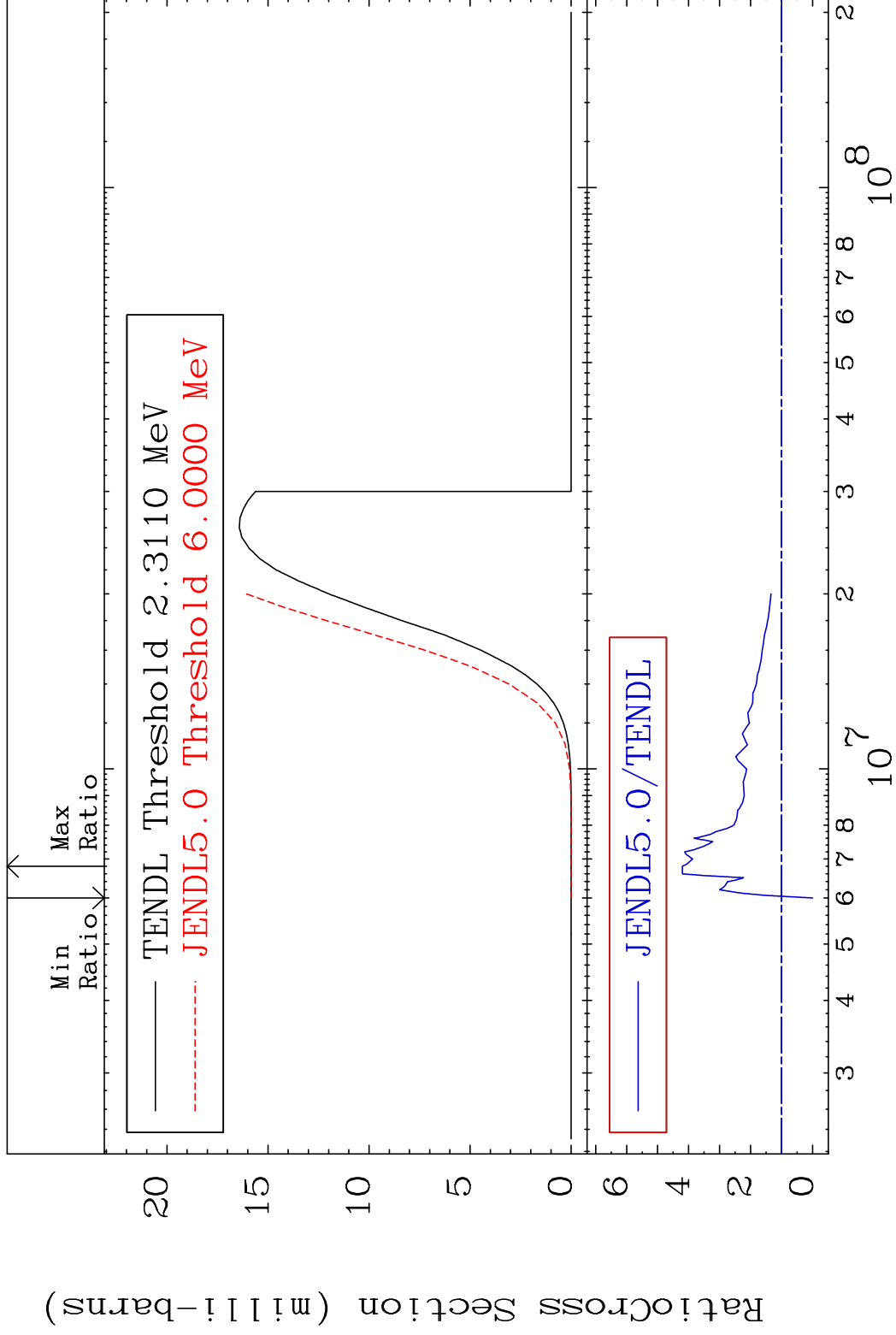
70-Yb-174

MAT 7043

(n, p)

70-Yb-174

Cross Section -100.0 To 320.2 %



26

Incident Energy (eV)

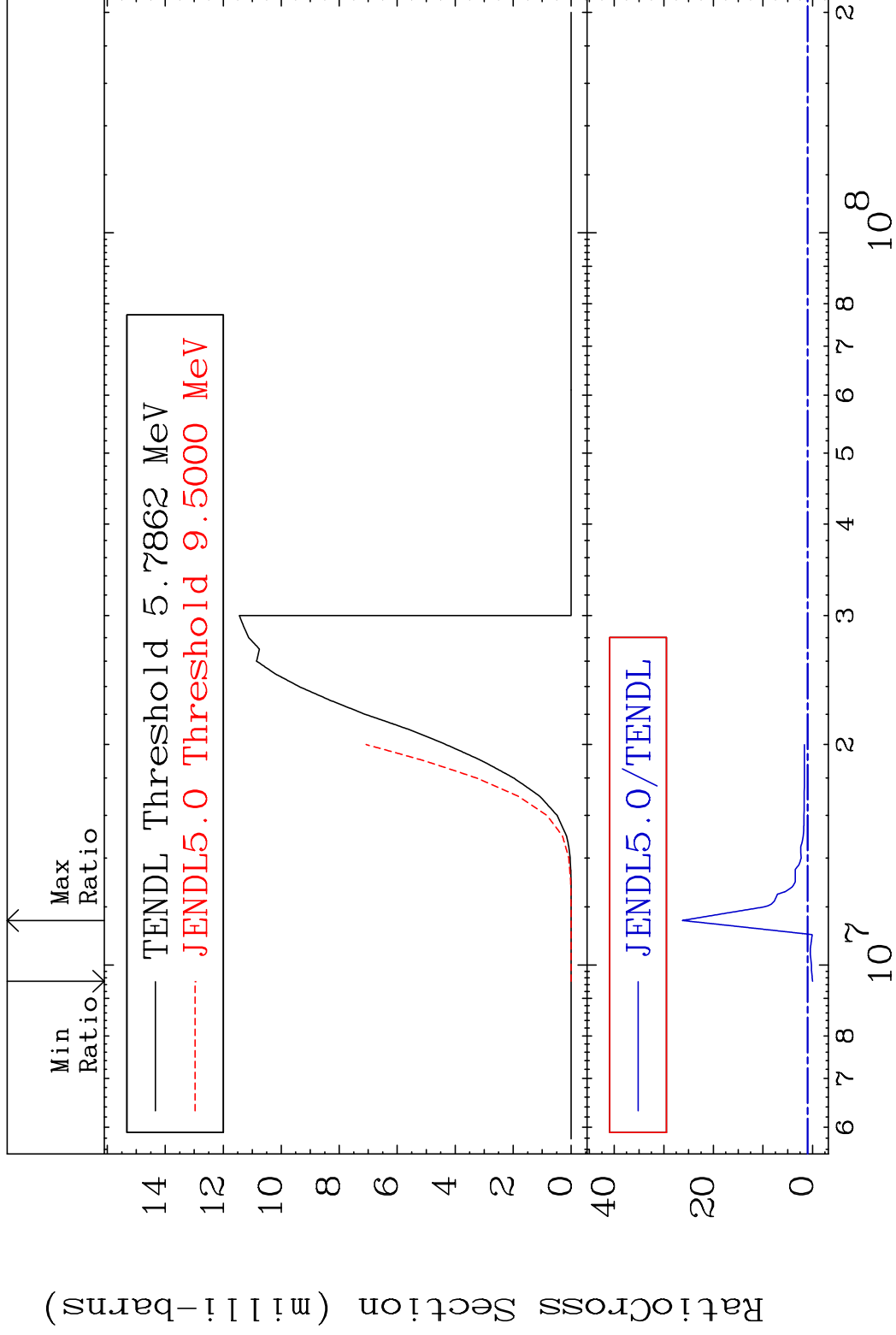
70-Yb-174

MAT 7043

(n,d)

70-Yb-174

Cross Section -100.0 To 2526. %



27

Incident Energy (eV)

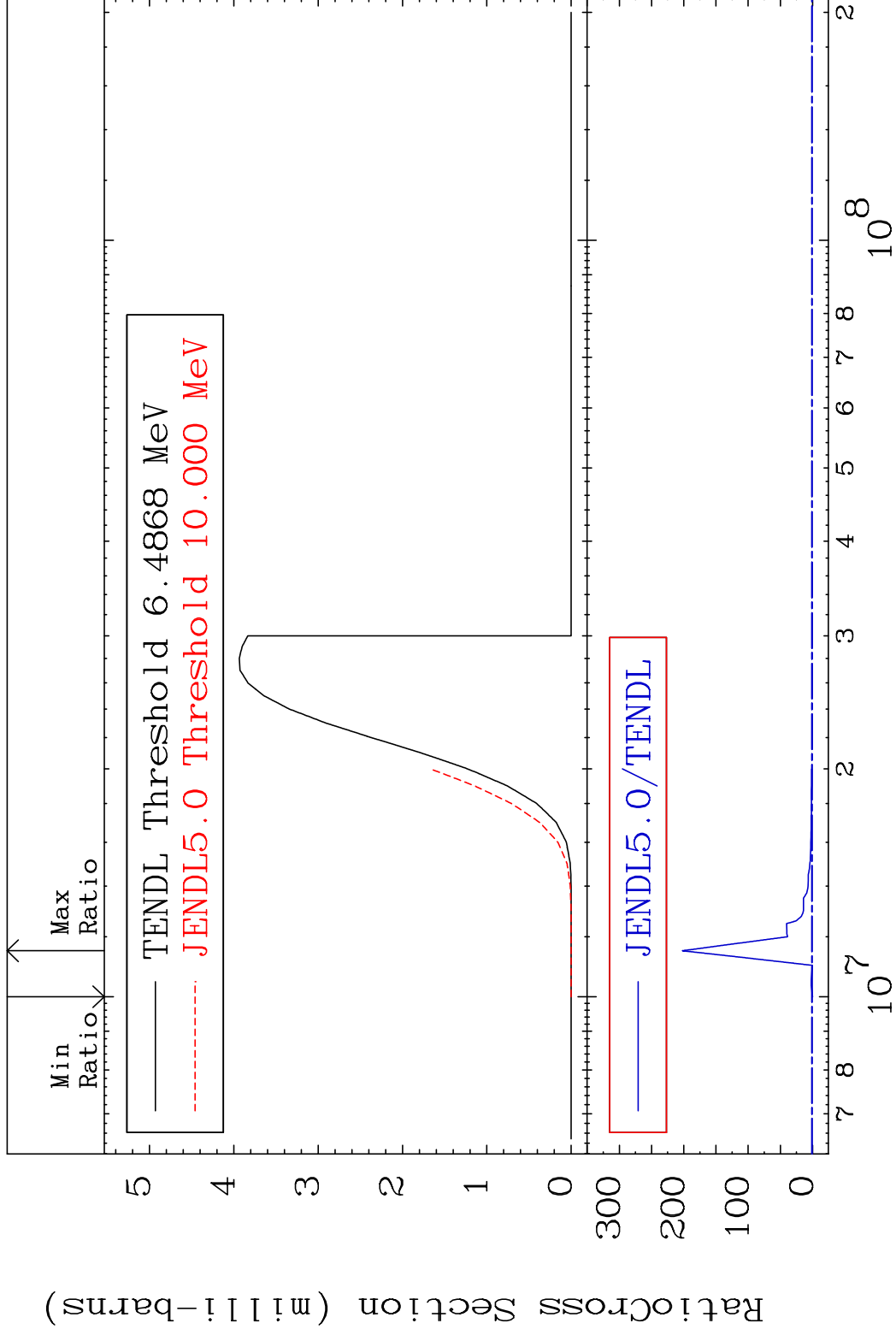
70-Yb-174

MAT 7043

(n, t)

70-Yb-174

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

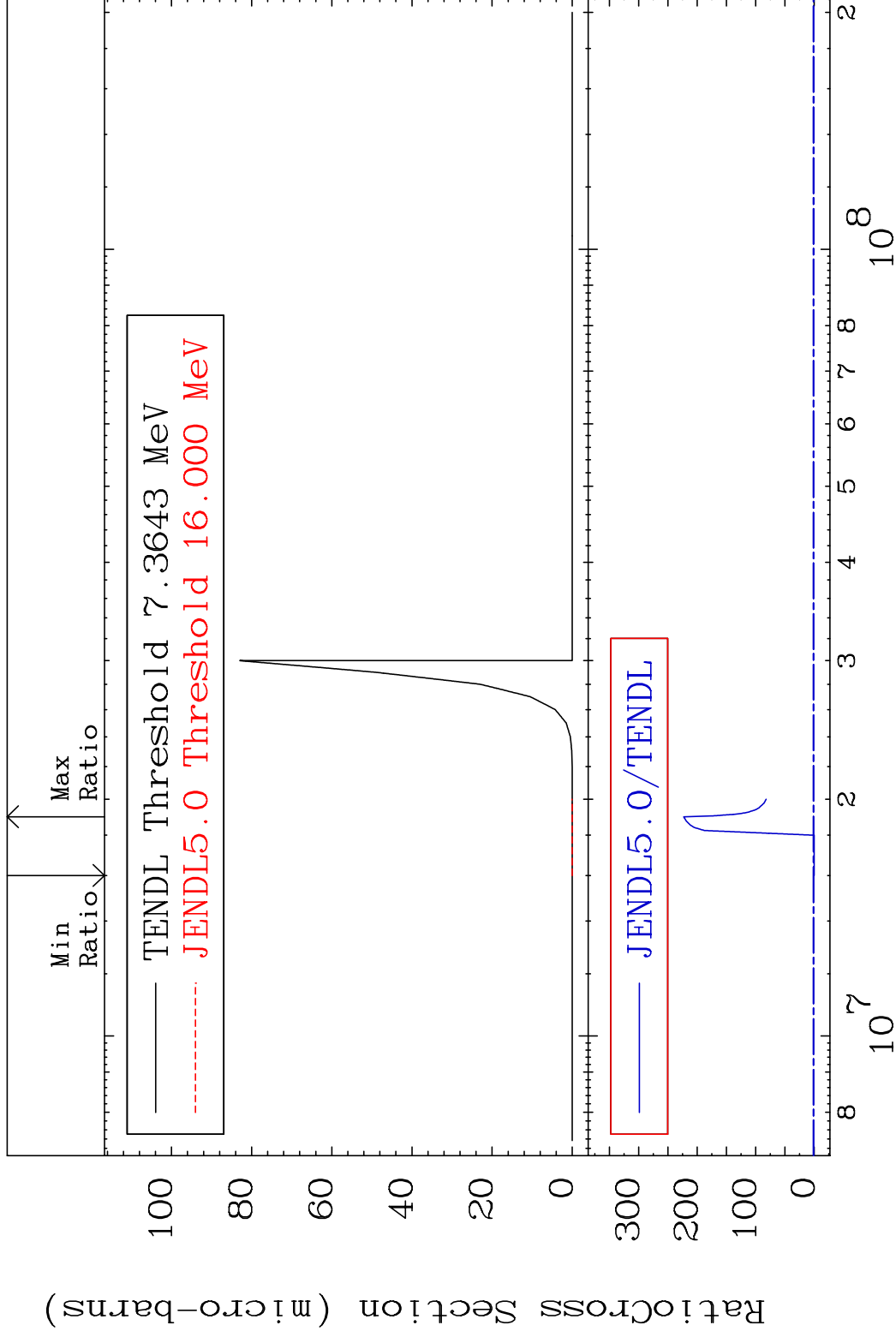
70-Yb-174

MAT 7043

(n, He-3)

70-Yb-174

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

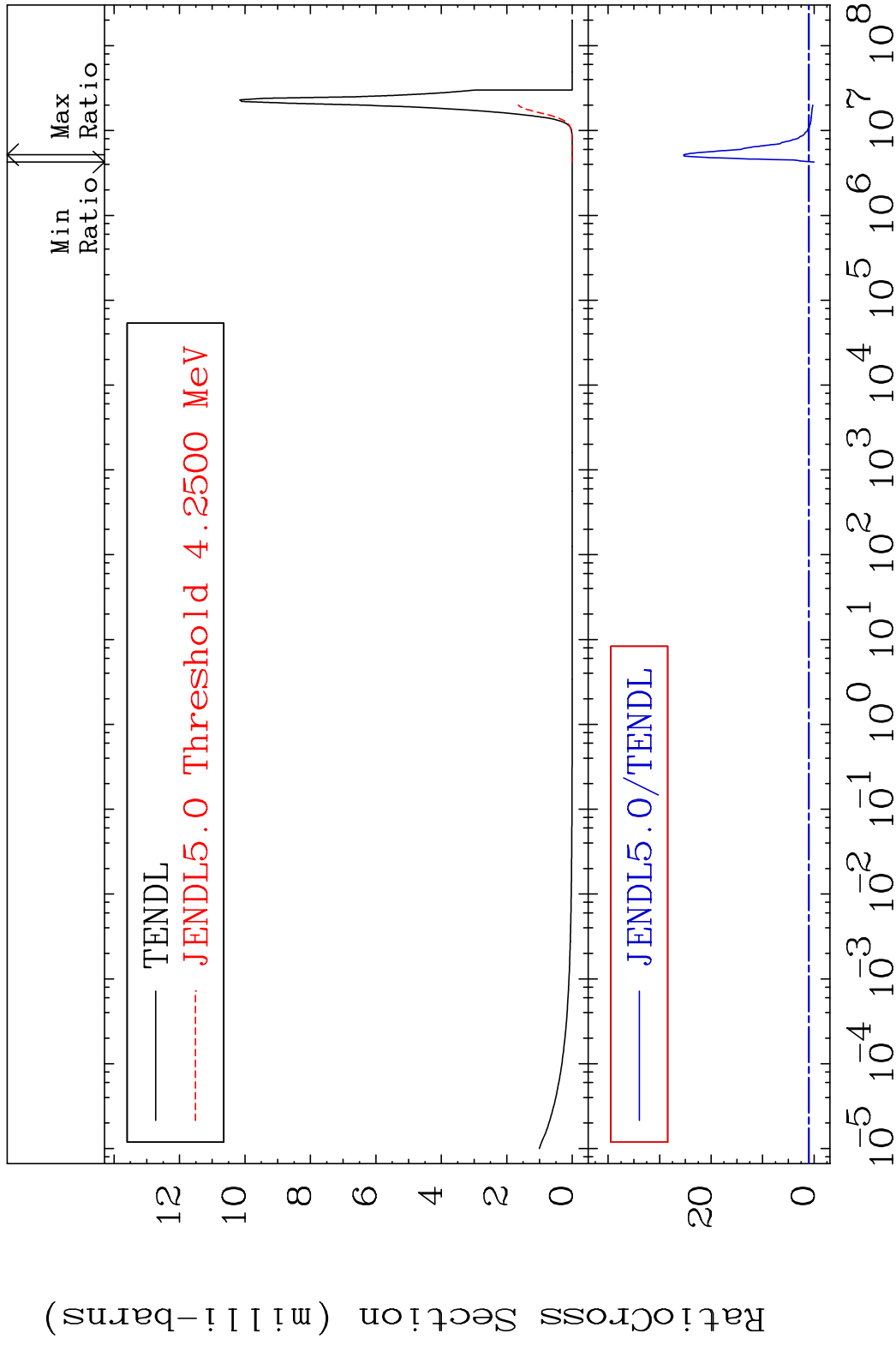
70-Yb-174

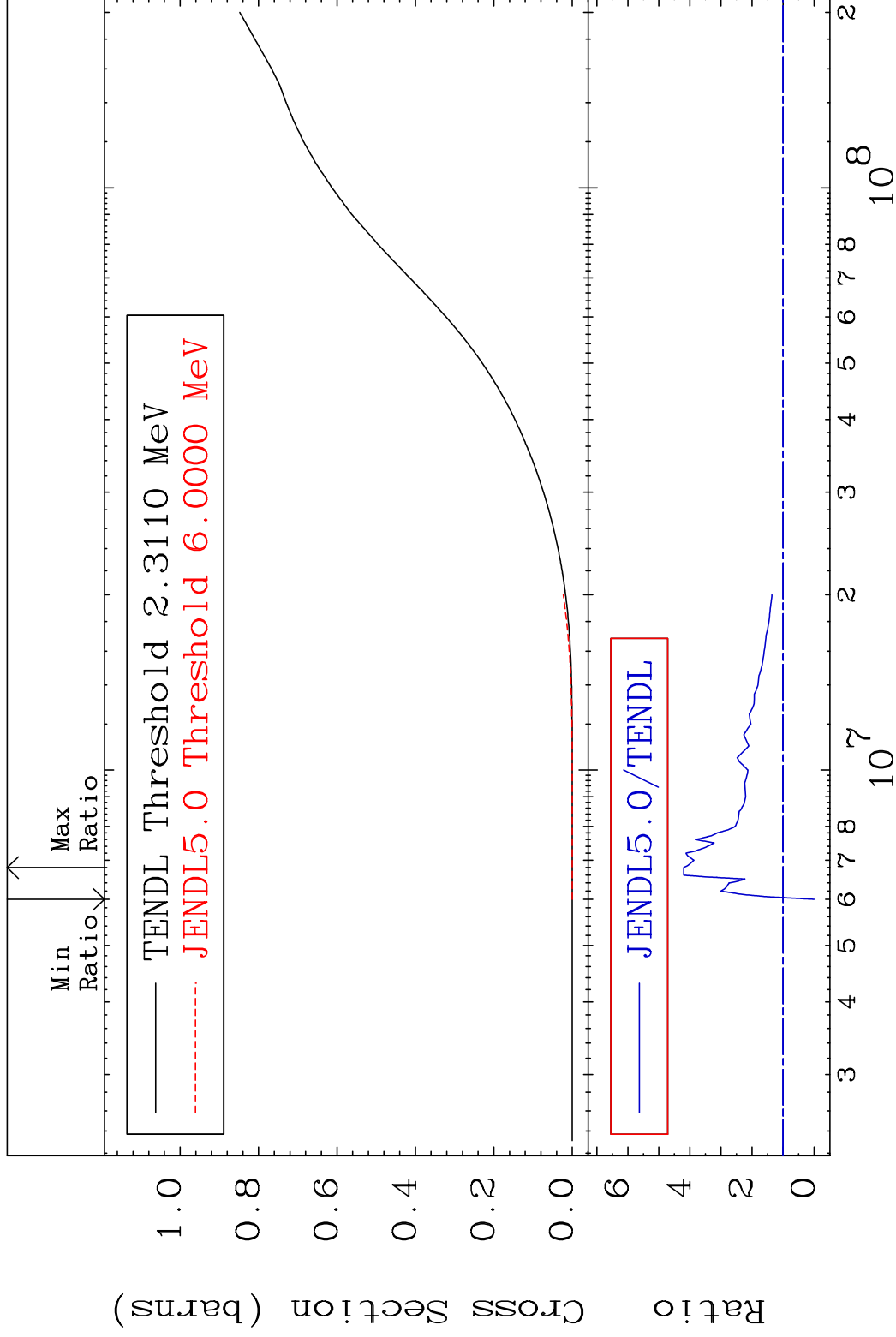
MAT 7043

(n, α)

70-Yb-174

Cross Section -100.0 To 2433. %

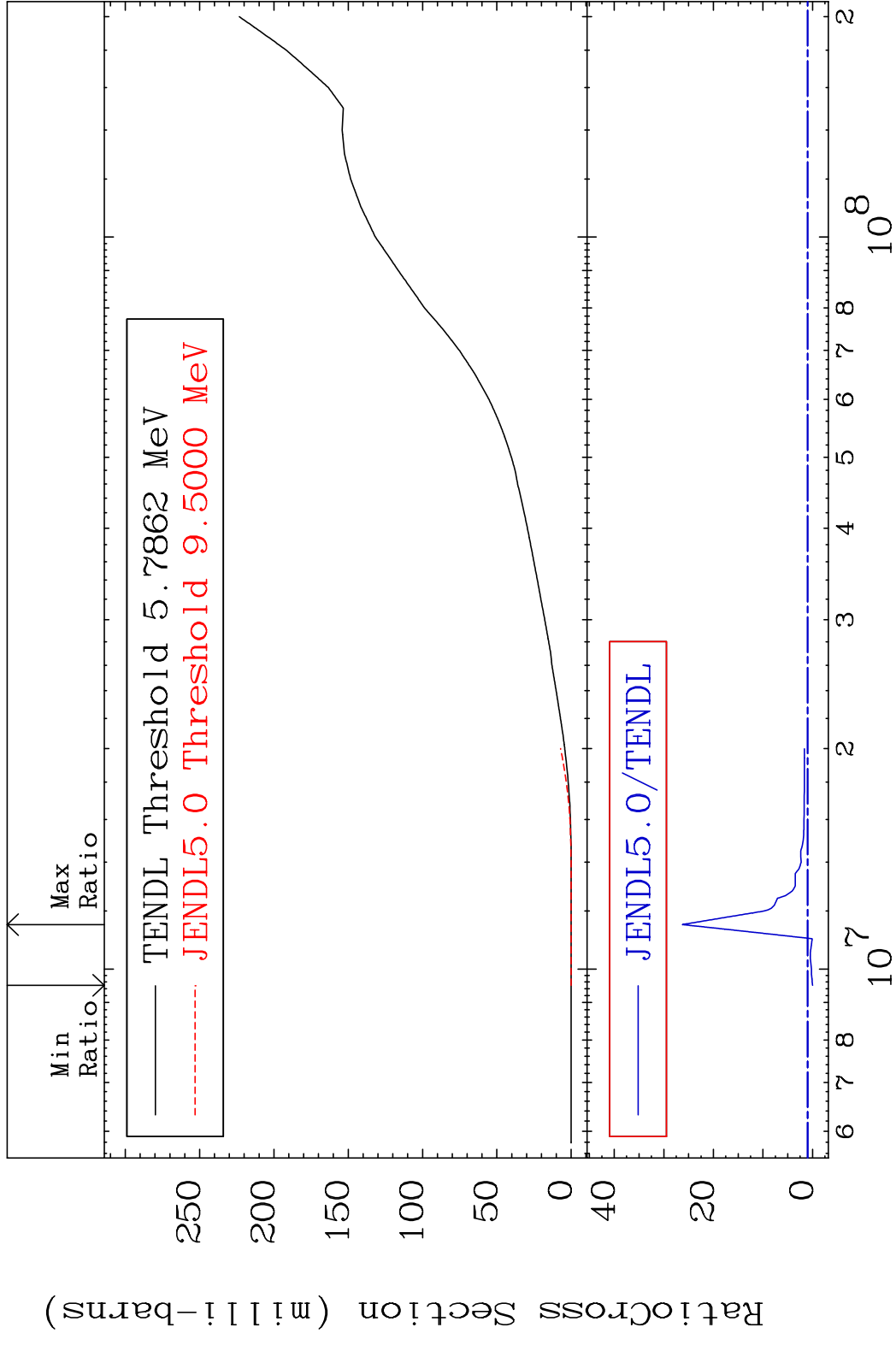




MAT 7043

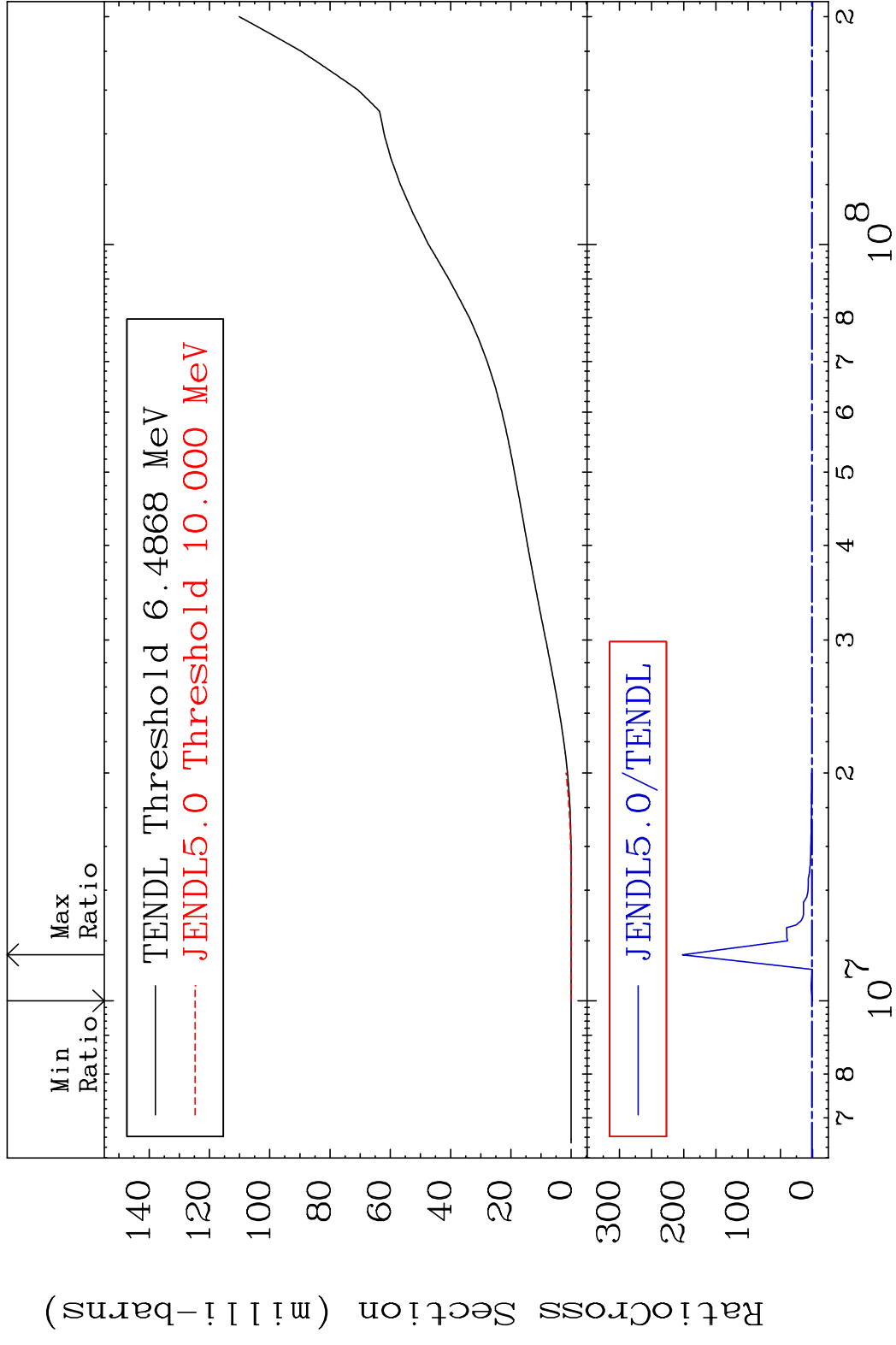
Deuterium Production 70-Yb-174

Cross Section -100.0 To 2526. %



MAT 7043

Tritium Production 70-Yb-174
Cross Section -100.0 To 9999. %

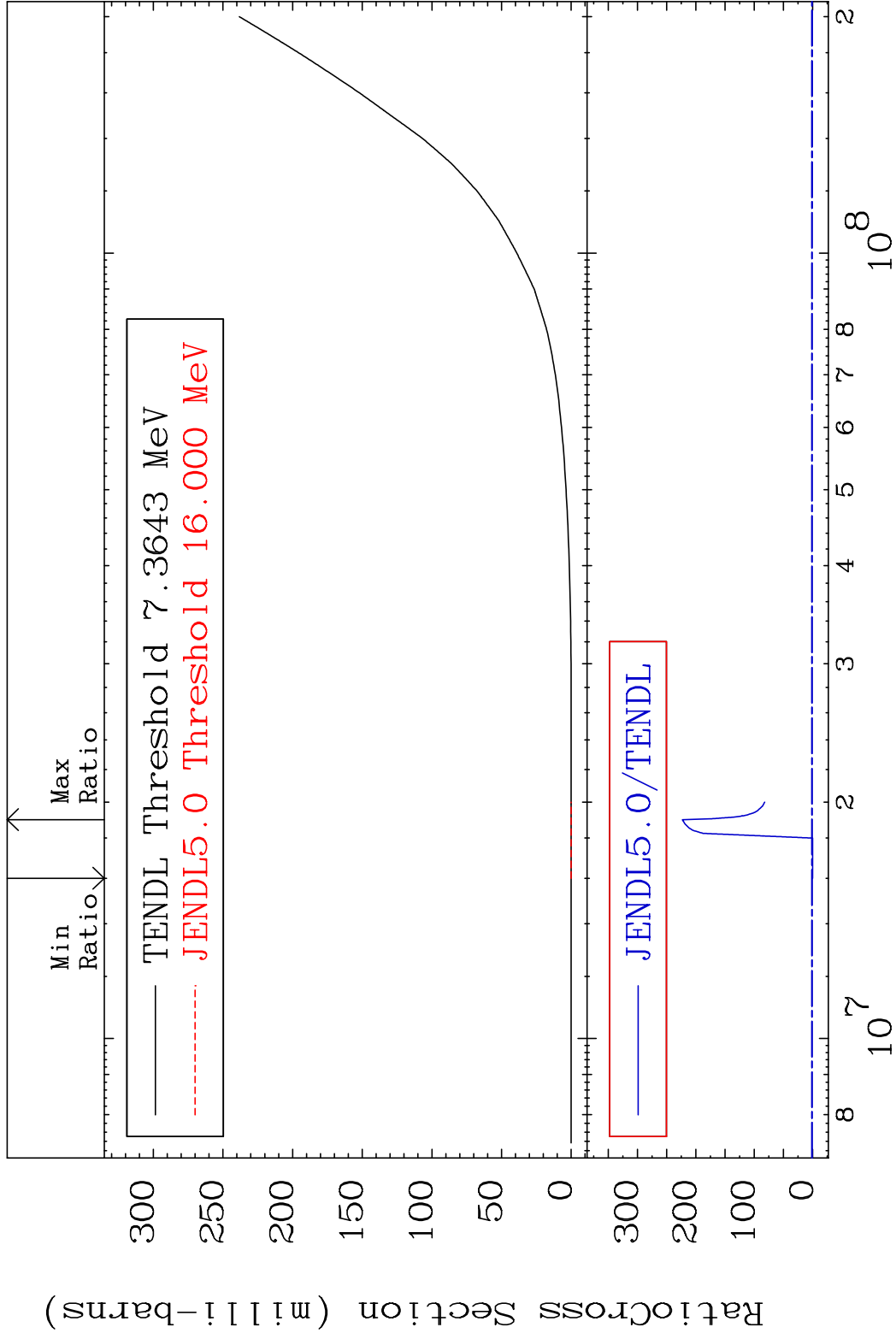


MAT 7043

He-3 Production

70-Yb-174

Cross Section -100.0 To 9999. %



34

Incident Energy (eV)

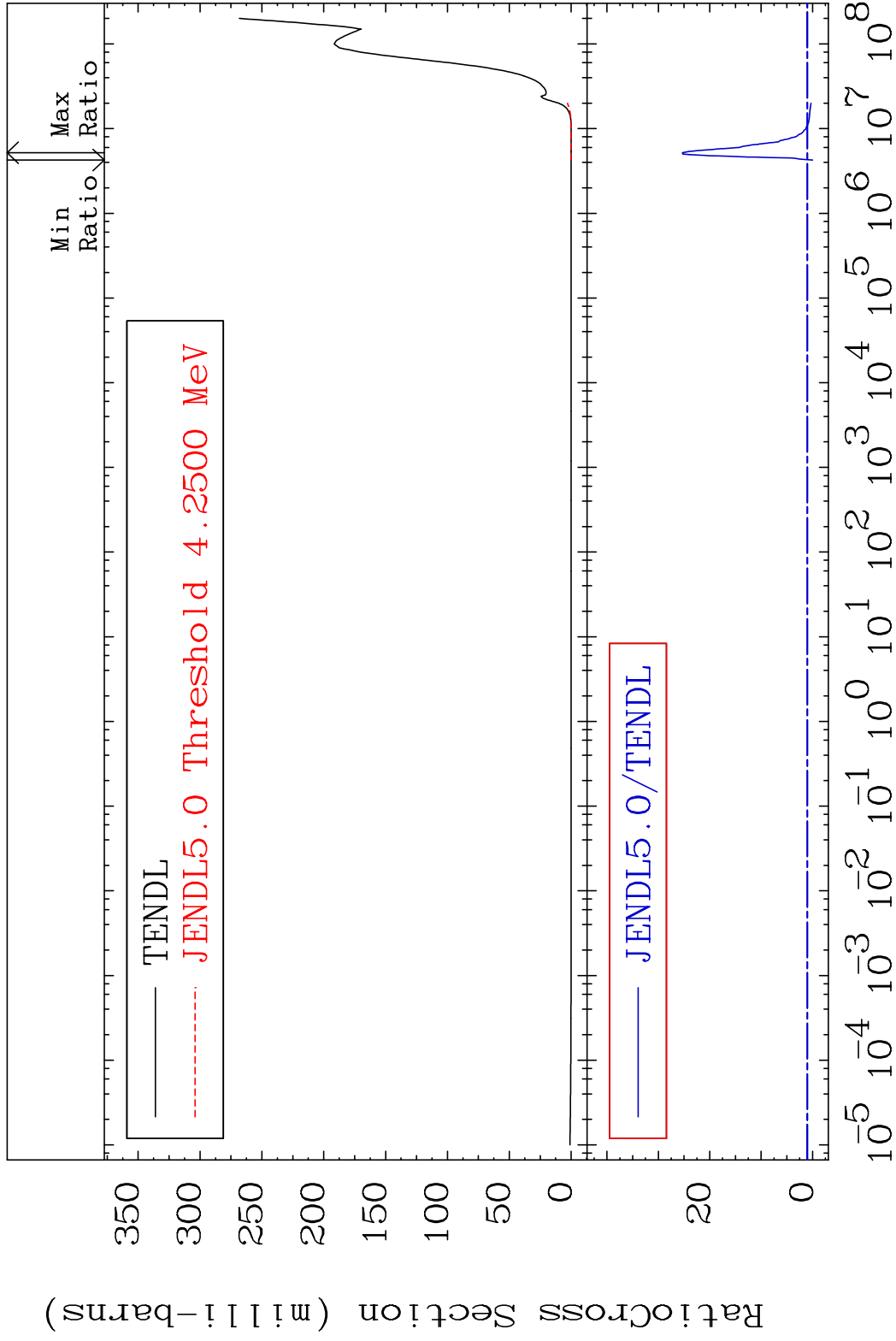
70-Yb-174

MAT 7043

He-4 Production

70-Yb-174

Cross Section -100.0 To 2433. %

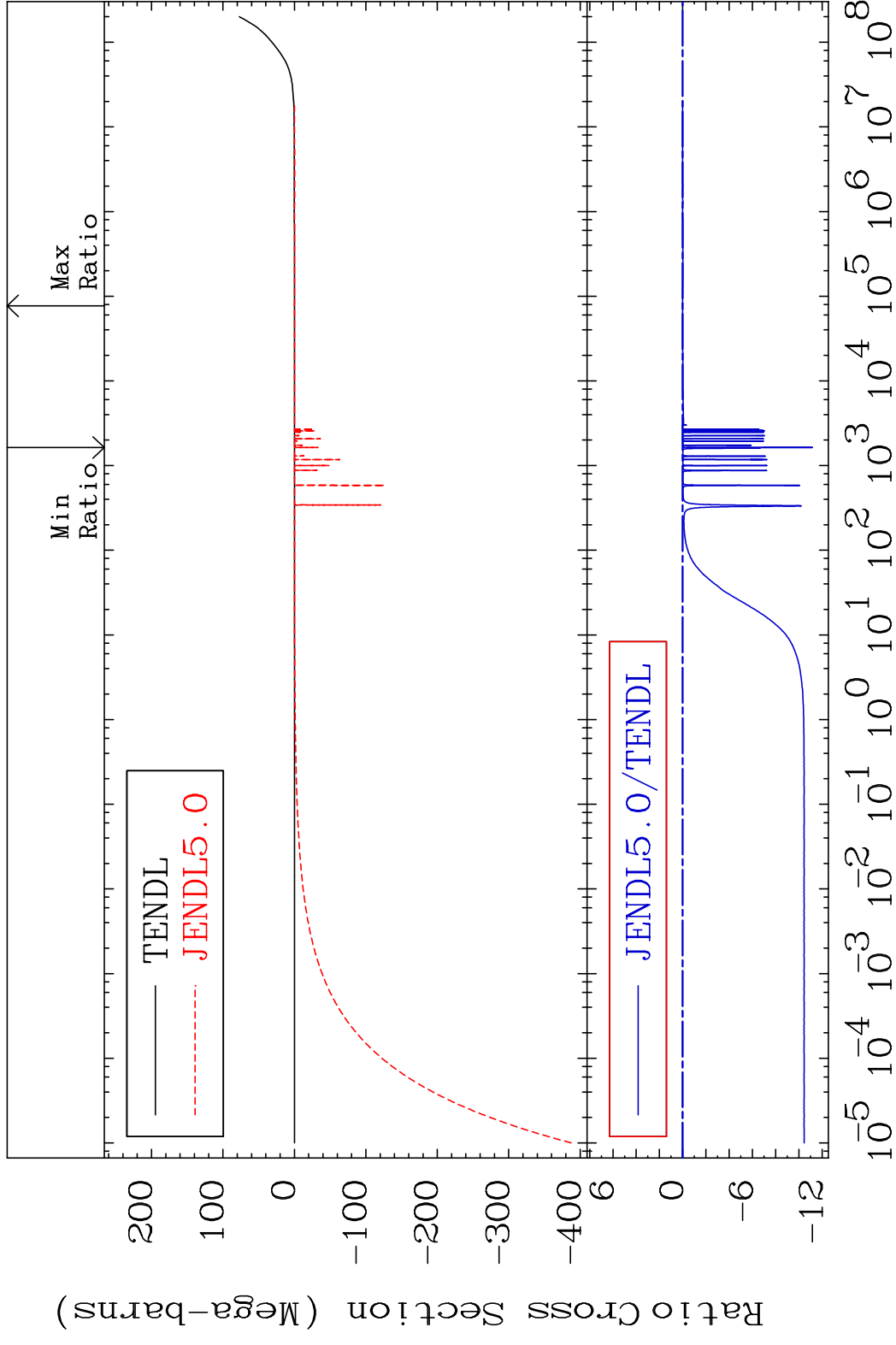


35

Incident Energy (eV)

70-Yb-174

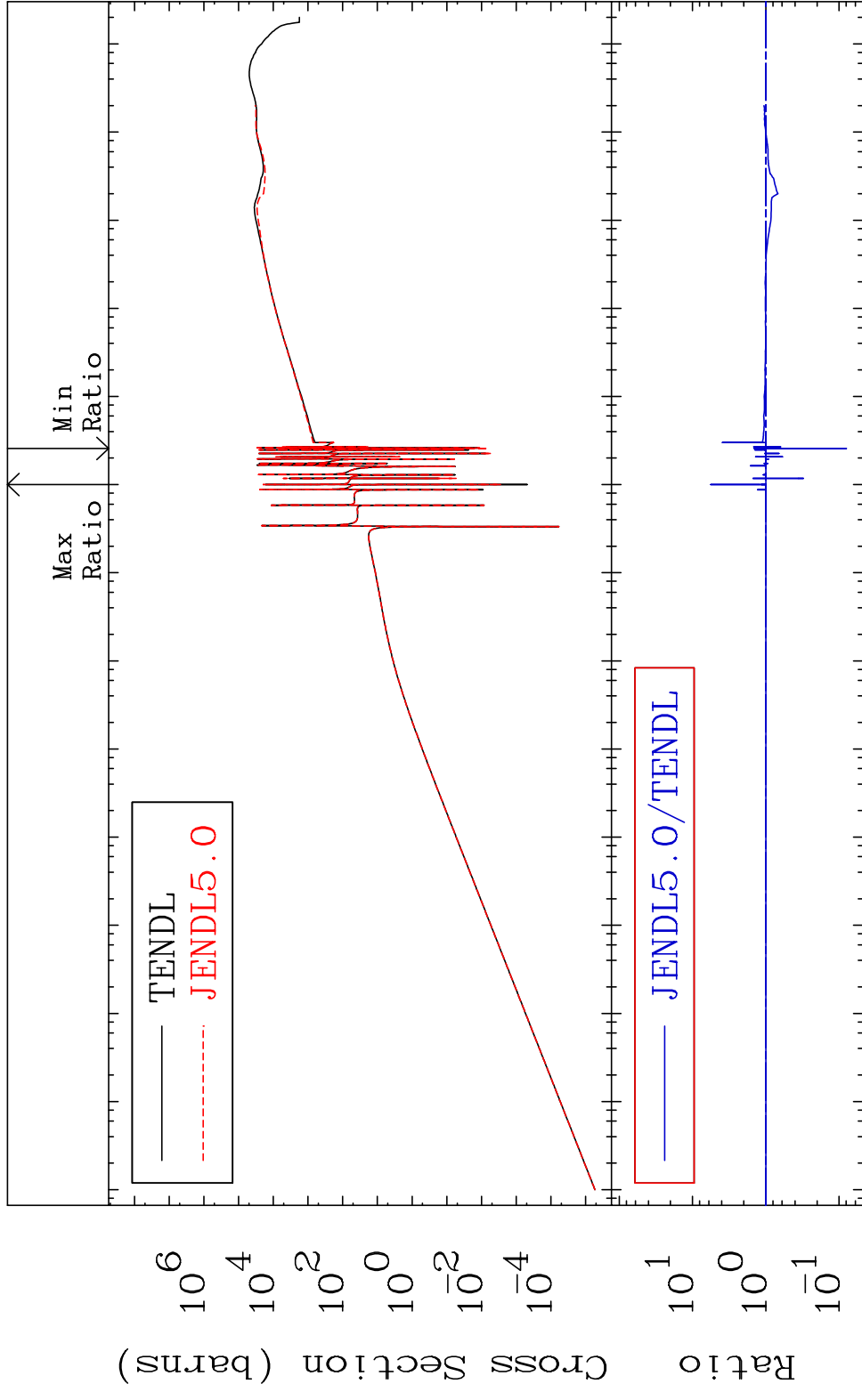
MAT 7043 Kerma total (eV-barns) 70-Yb-174
 Cross Section -9999. To 2662. %



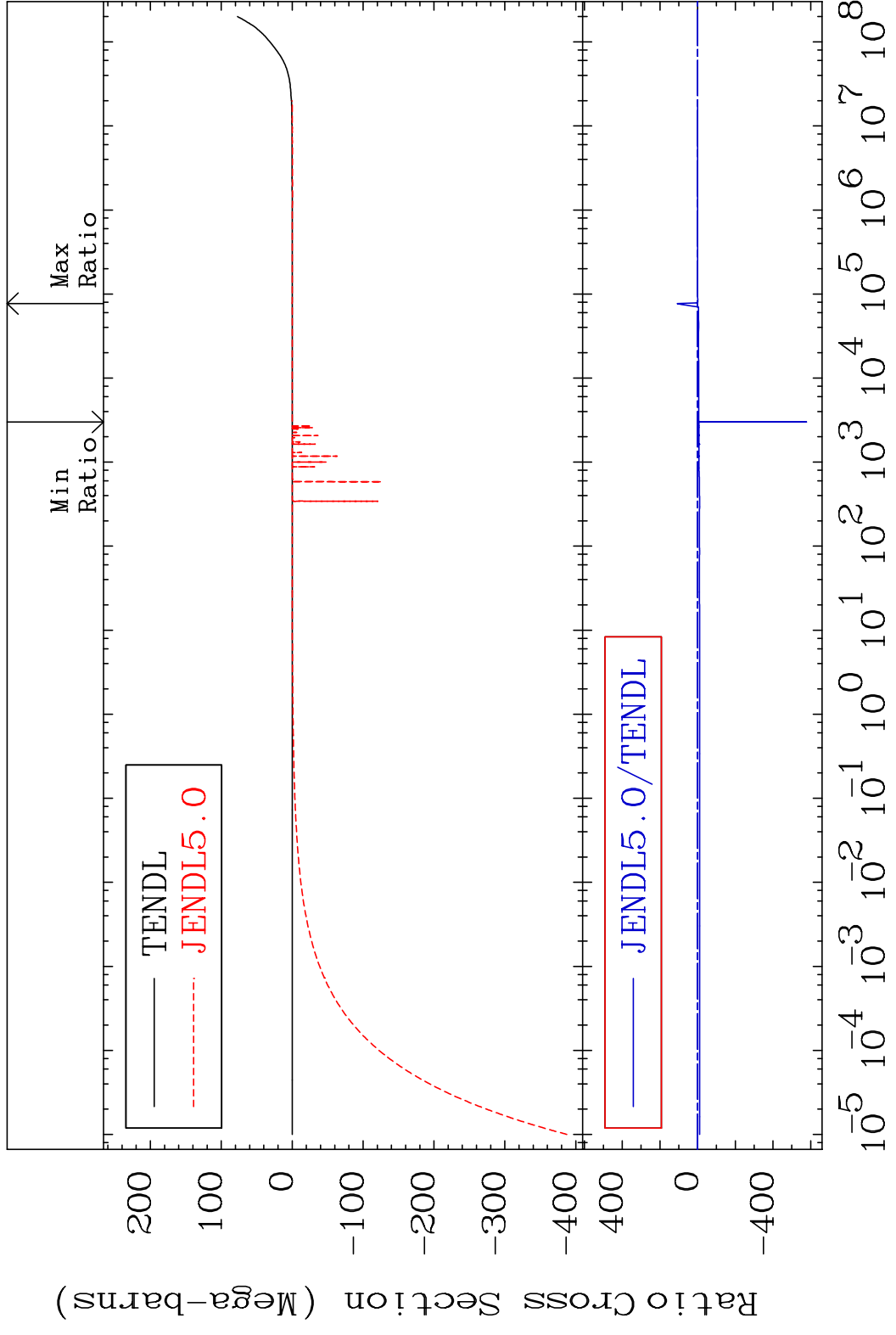
MAT 7043

Kerma elastic
Cross Section

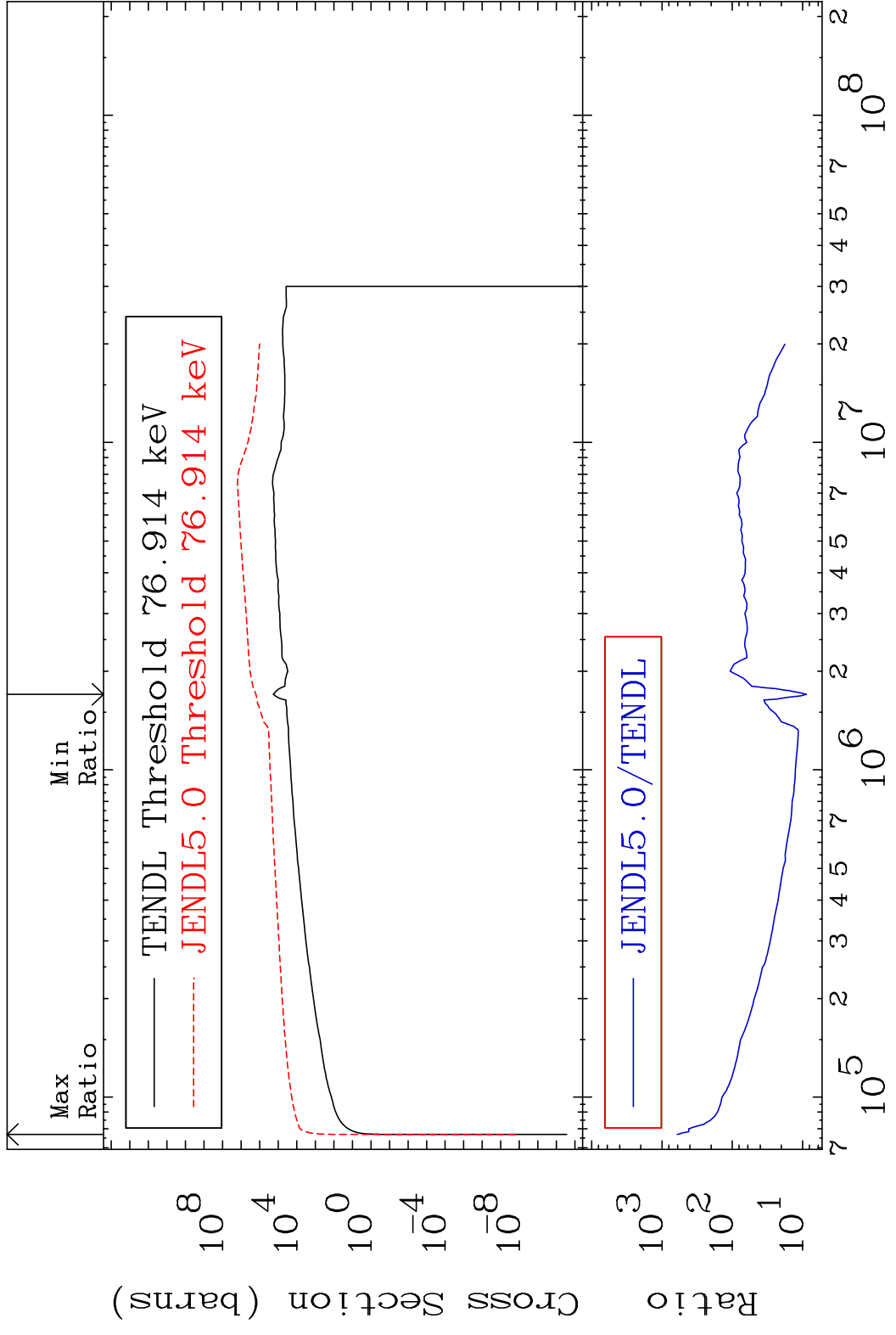
70-Yb-174
-92.03 To 464.8 %



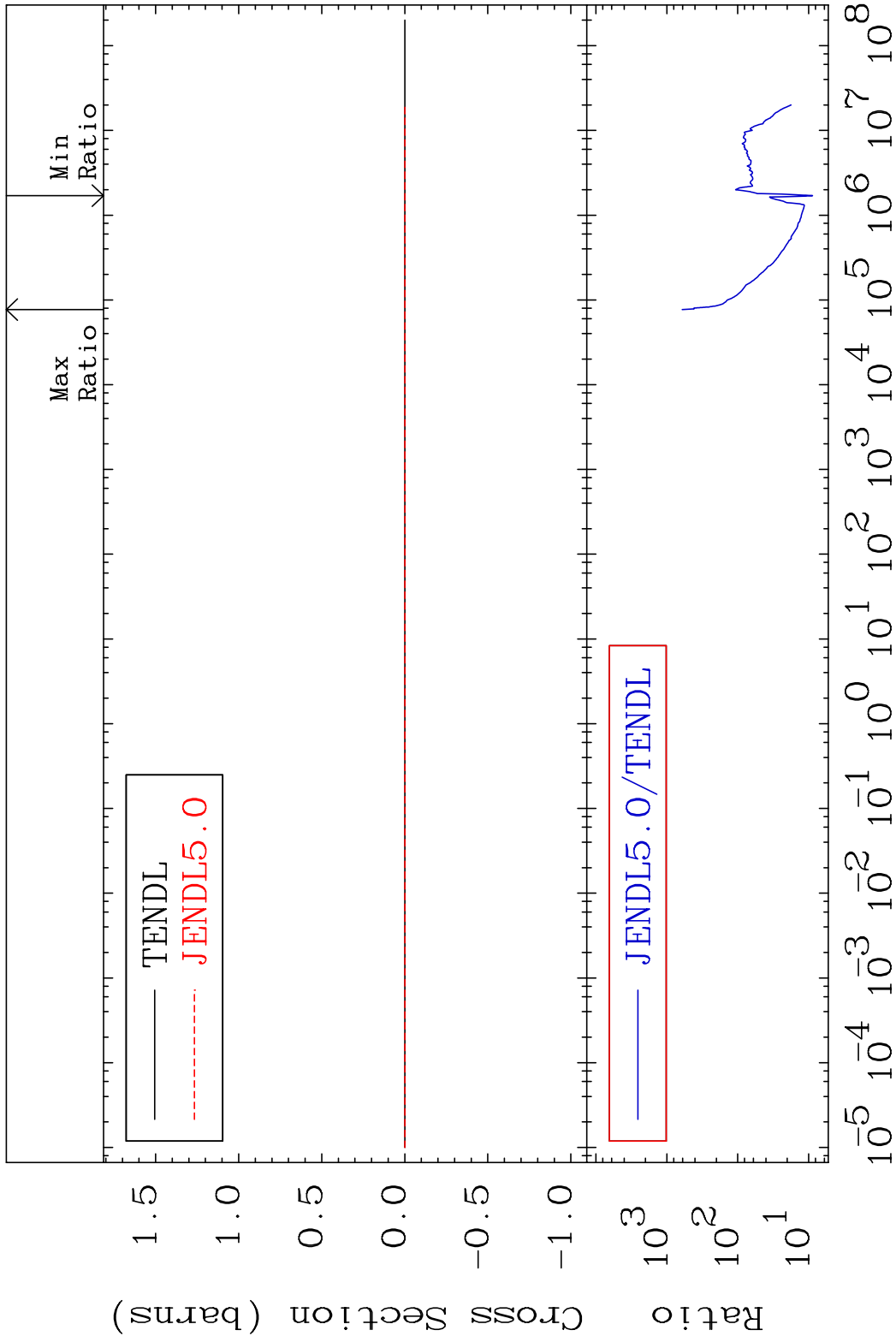
MAT 7043 Kerma non-elastic (all but mt2) 70-Yb-174
 Cross Section -9999. To 9999. %



MAT 7043 Kerma inelastic (mt51-91) 70-Yb-174
 Cross Section 780.8 To 9999. %

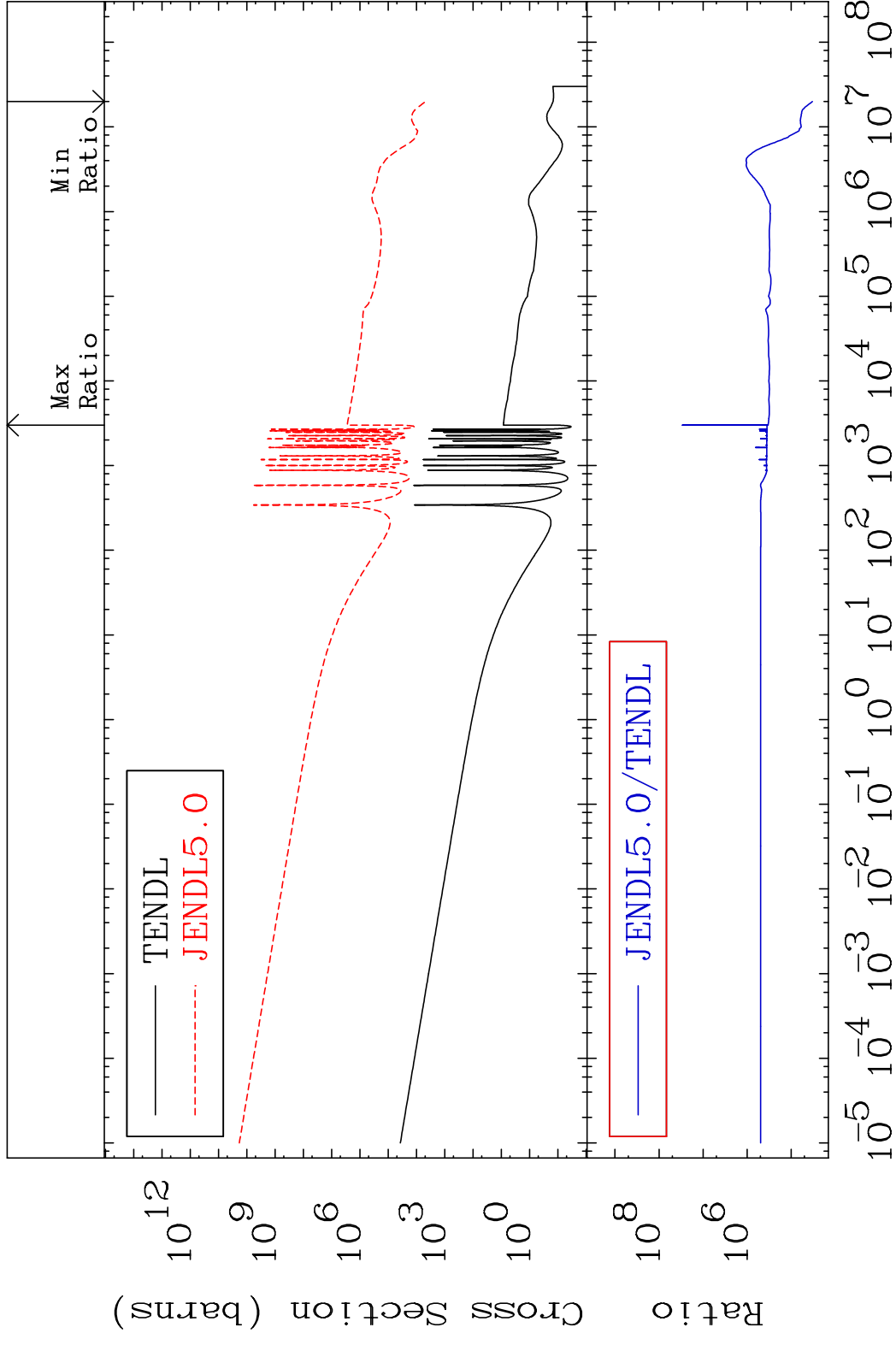


MAT 7043 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-174
 Cross Section 780.8 To 9999. %

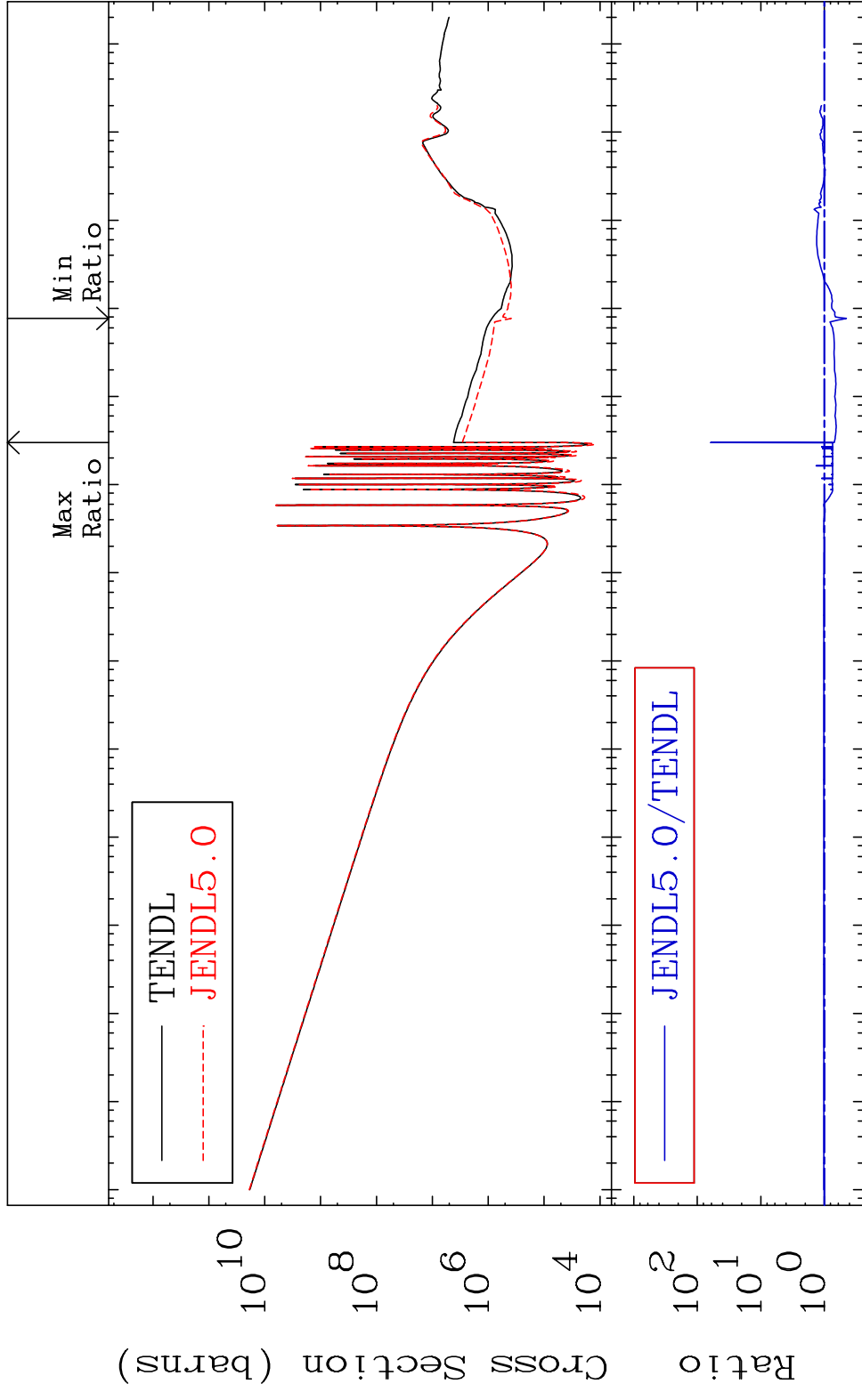


MAT 7043

Kerma capture (mt102) 70-Yb-174
Cross Section 9999. To 9999. %



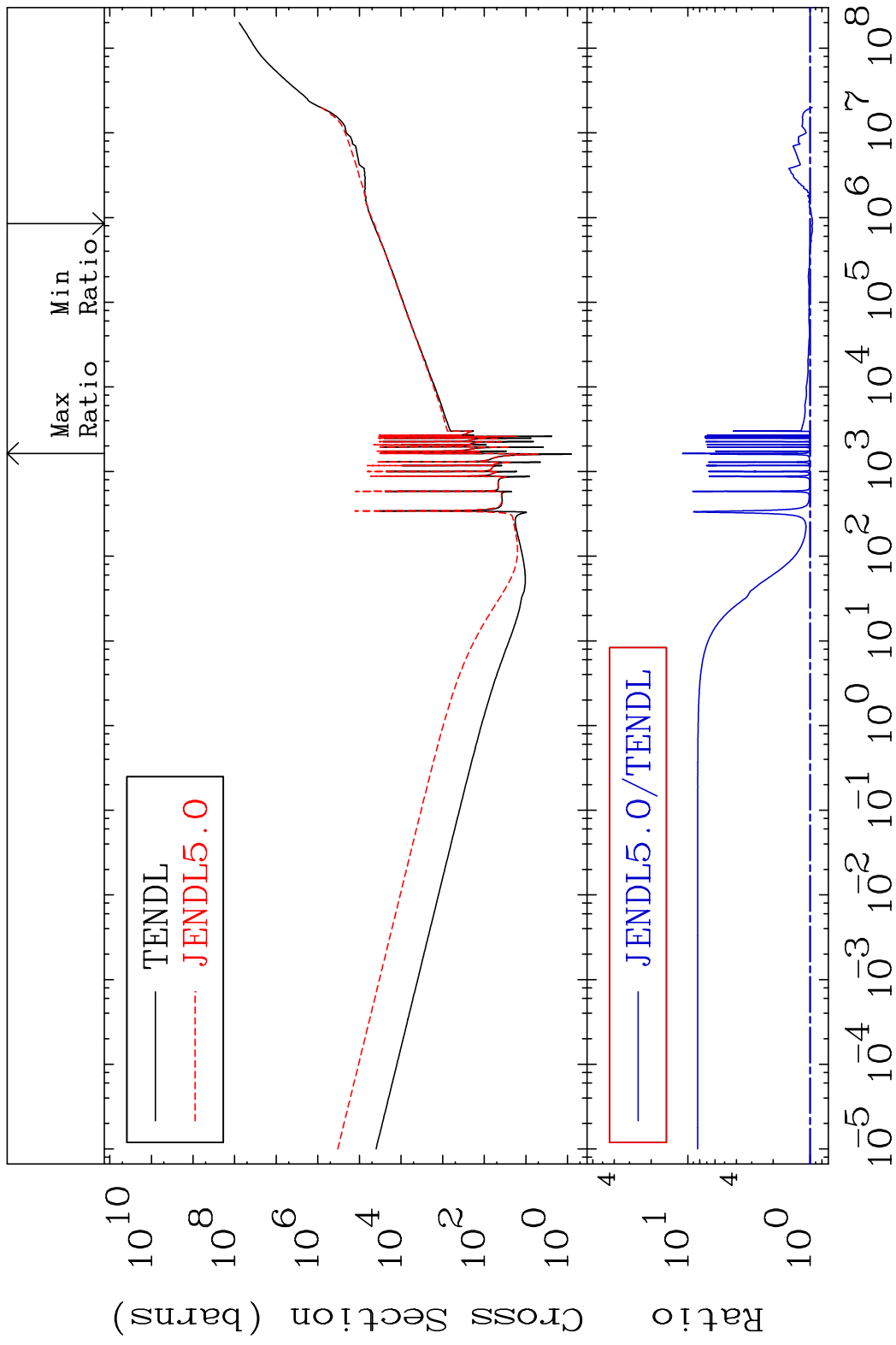
MAT 7043 Total photon (eV-barns) 70-Yb-174
 Cross Section -55.02 To 6047. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

42 Incident Energy (eV) 70-Yb-174

MAT 7043 Total kinematic kerma (high limit) 70-Yb-174
 Cross Section -4.677 To 1009. %

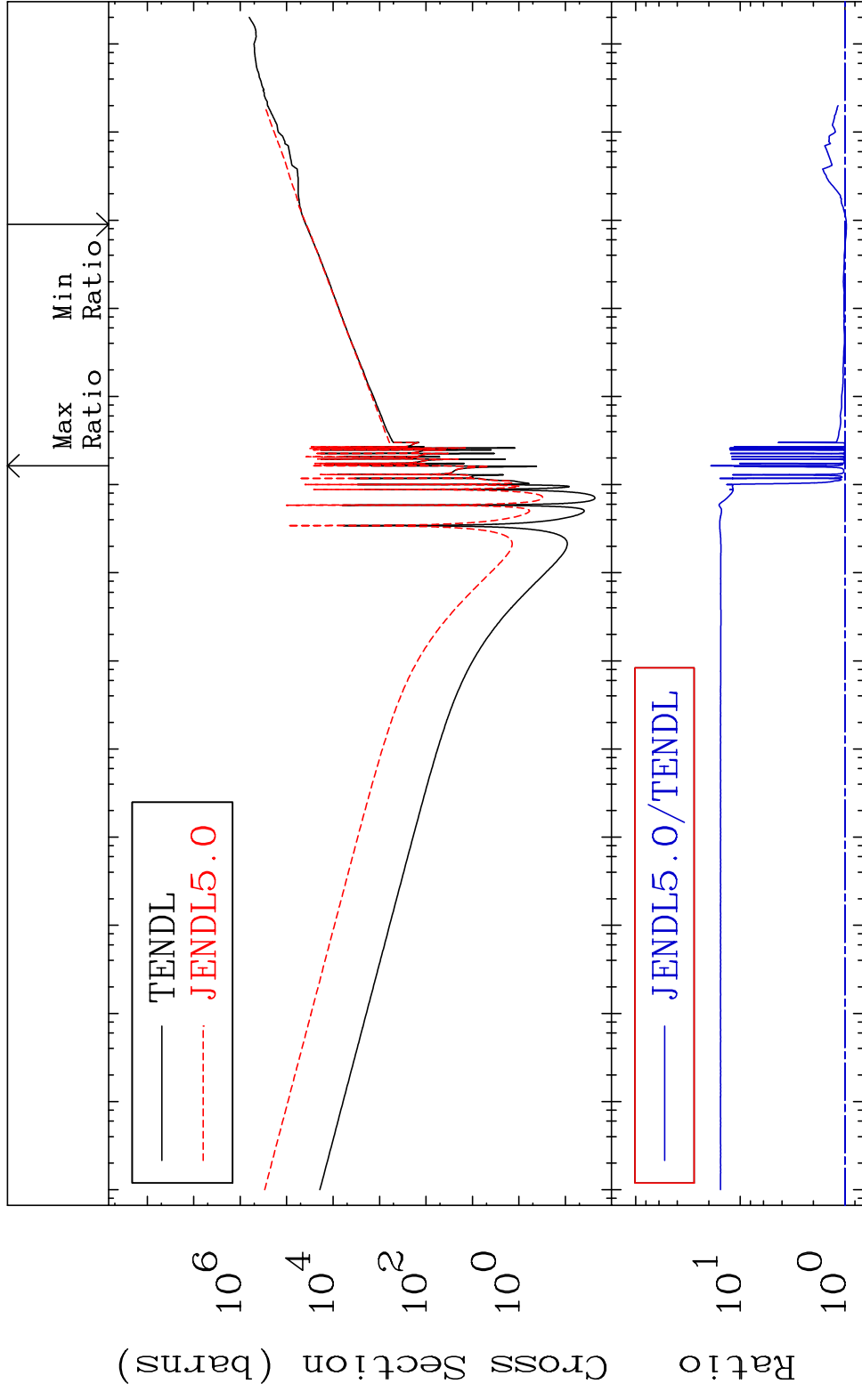


MAT 7043

Dpa total (eV-barns)

70-Yb-174

Cross Section -3.149 To 1819. %

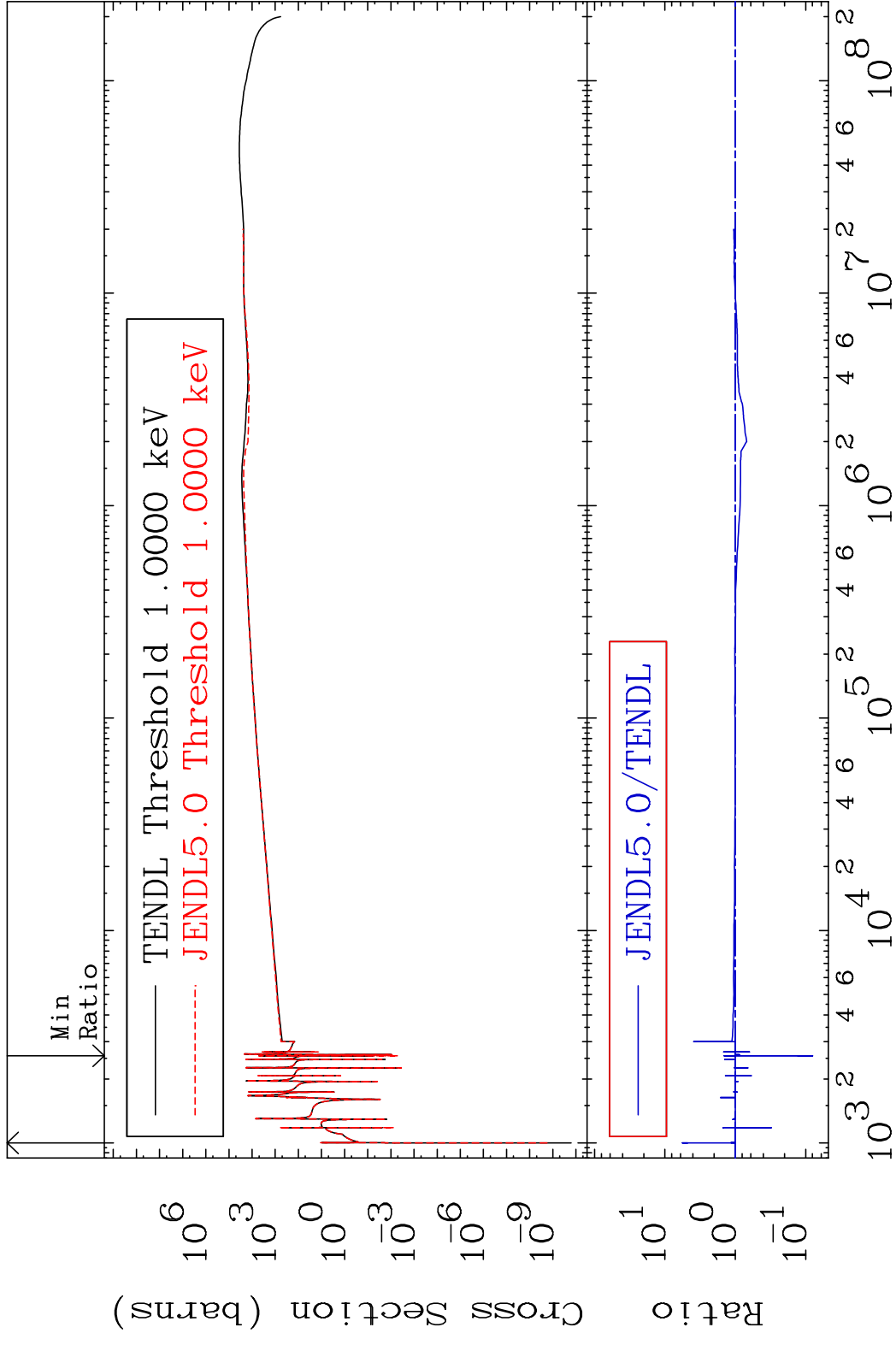


MAT 7043

Dpa elastic (mt2)

70-Yb-174

Cross Section -92.02 To 465.5 %

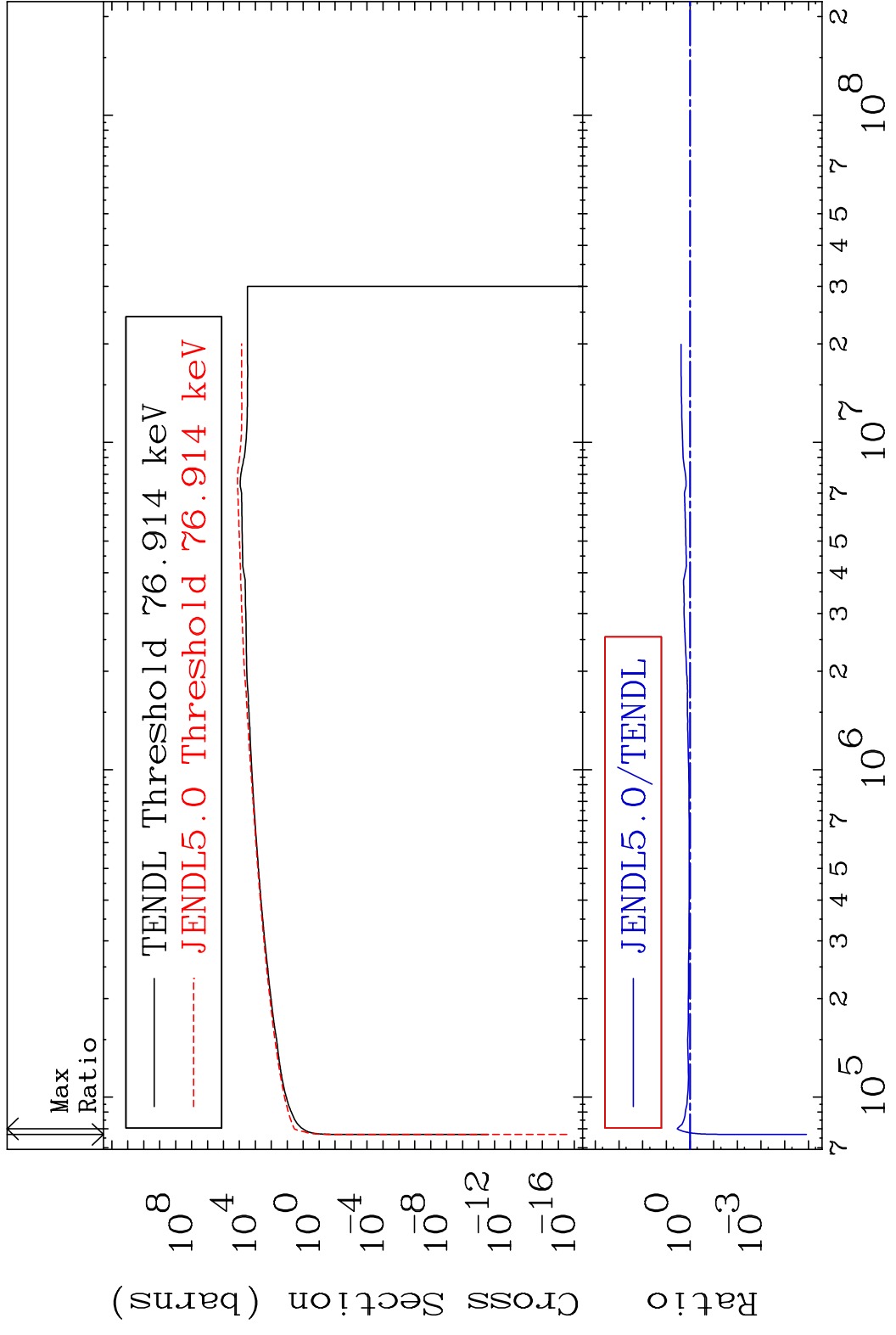


45

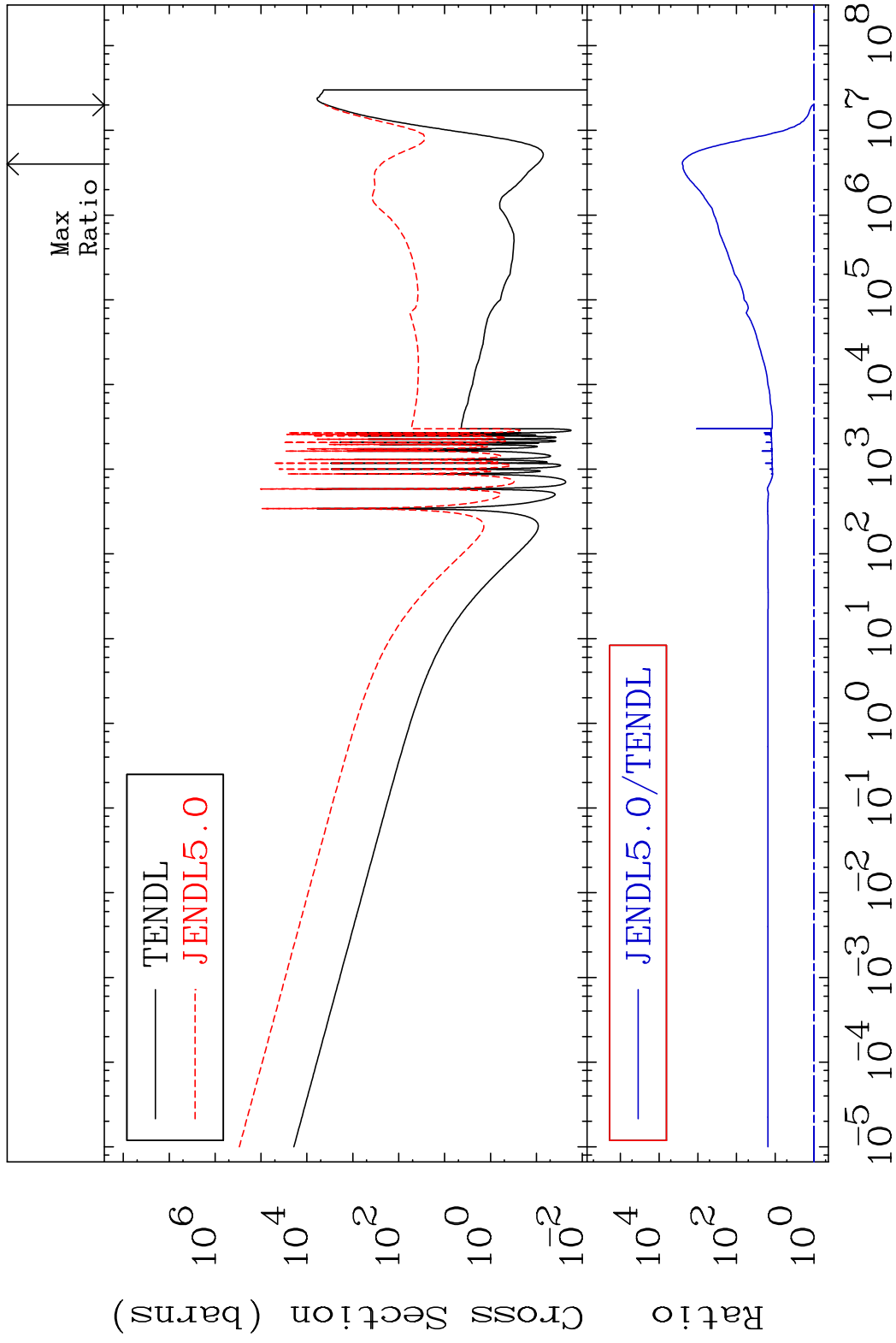
Incident Energy (eV)

70-Yb-174

MAT 7043 Dpa inelastic (mt51-91) 70-Yb-174
 Cross Section -100.0 To 248.3 %



MAT 7043 Dpa disappearance (mt102 -120) 70-Yb-174
 Cross Section 8.693 To 9999. %

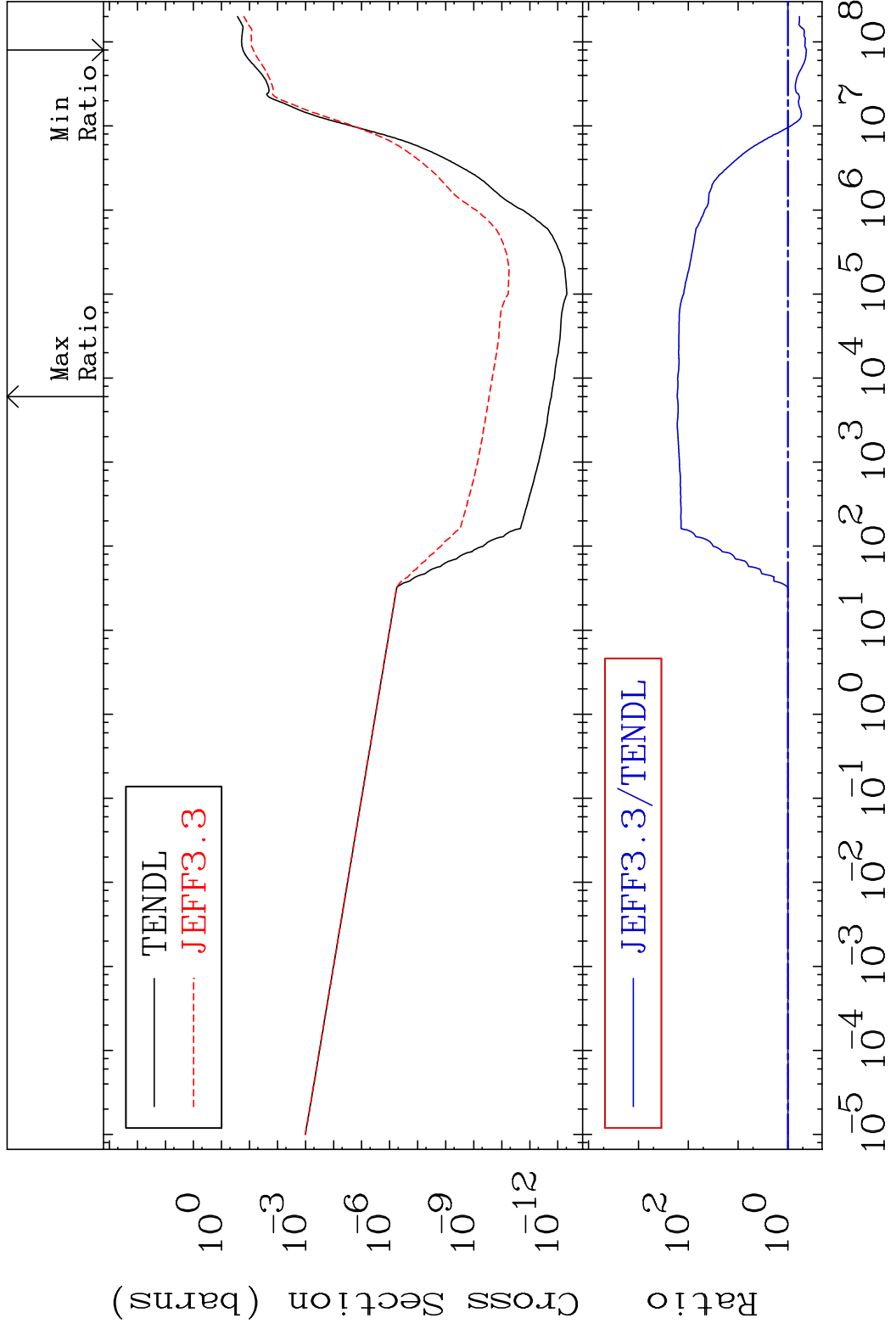


MAT 7043

He-4 Production

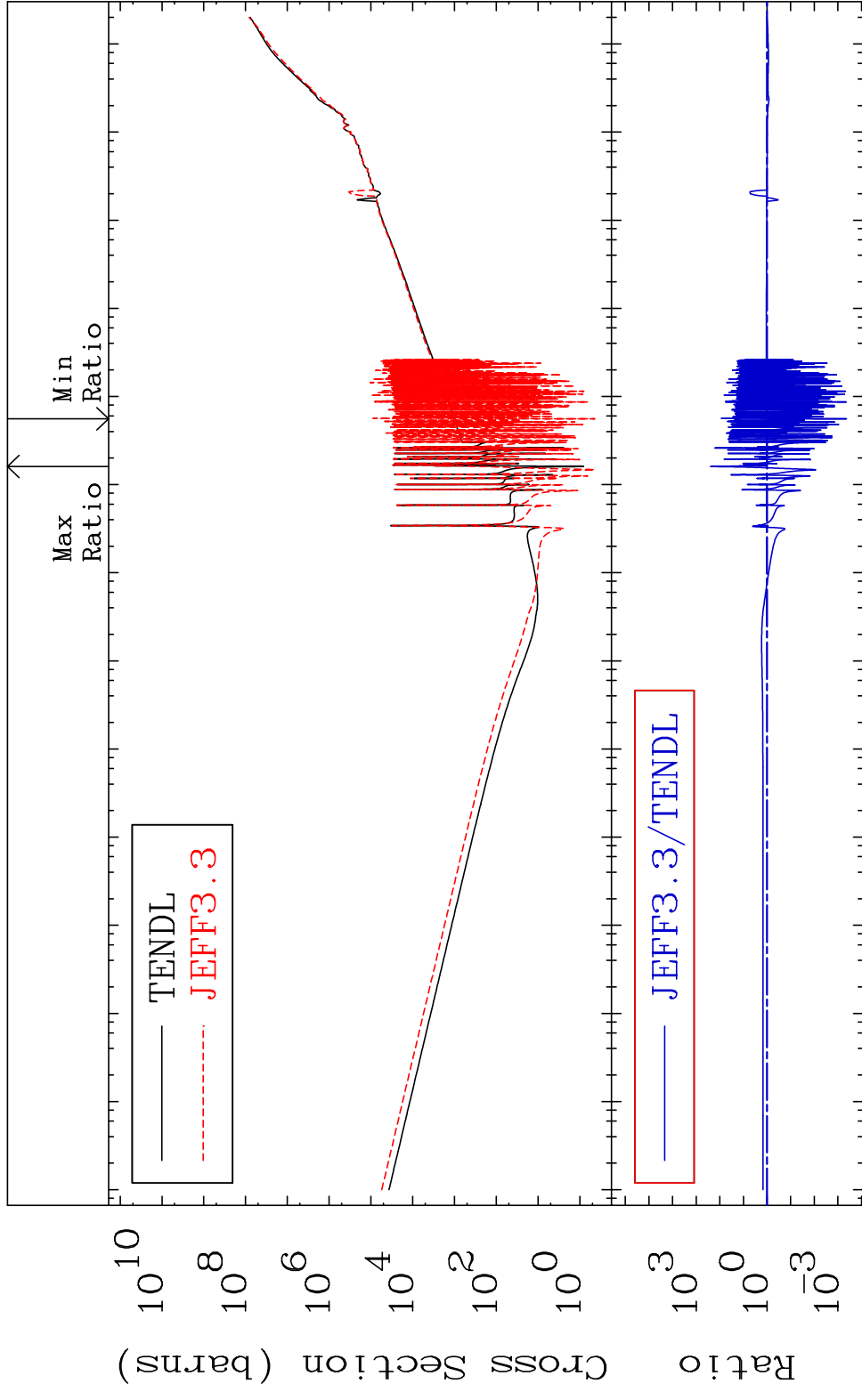
70-Yb-174

Cross Section -57.47 To 9999. %



MAT 7043

Kerma total (eV-barns) 70-Yb-174
Cross Section -99.96 To 9999. %



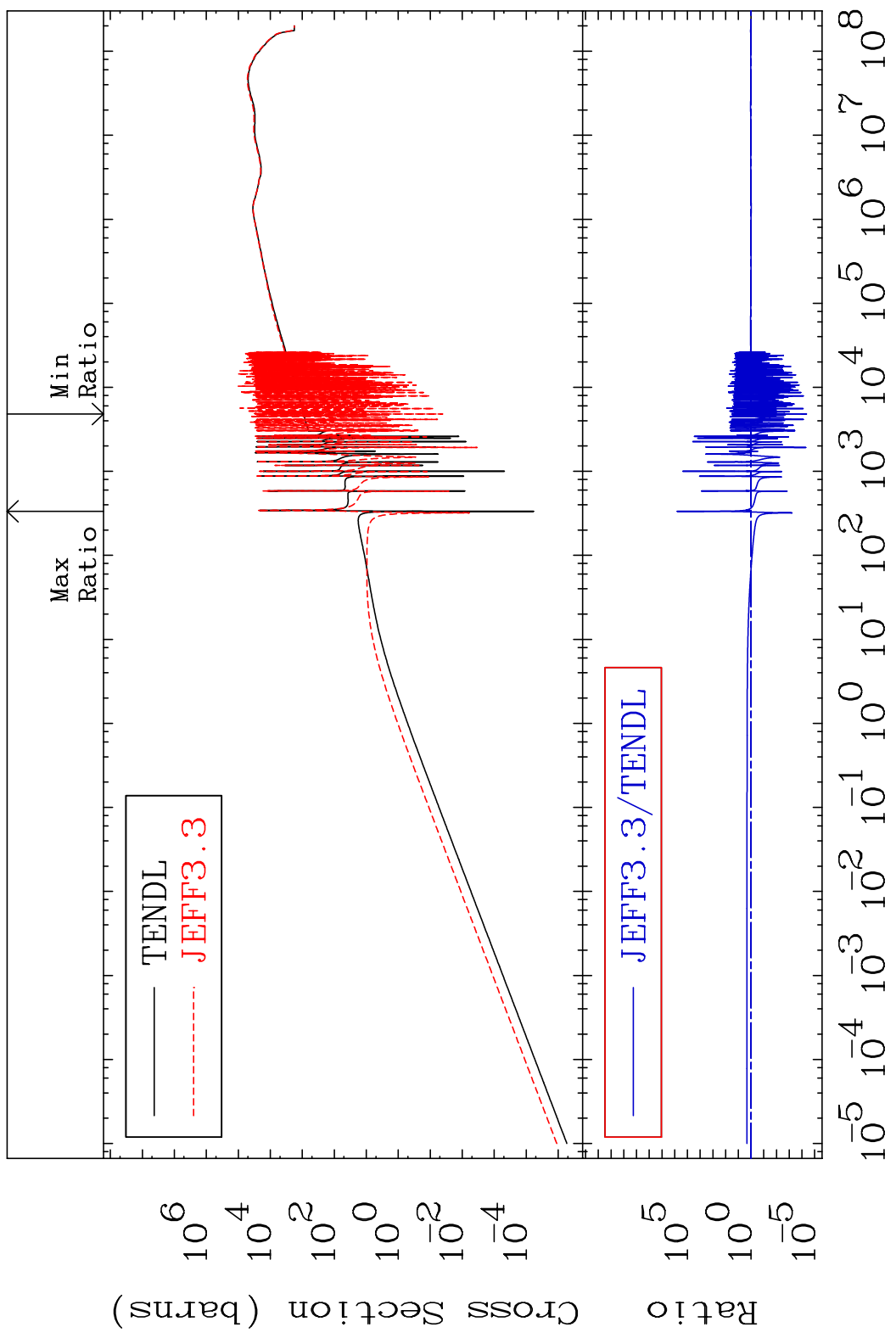
49

Incident Energy (eV)

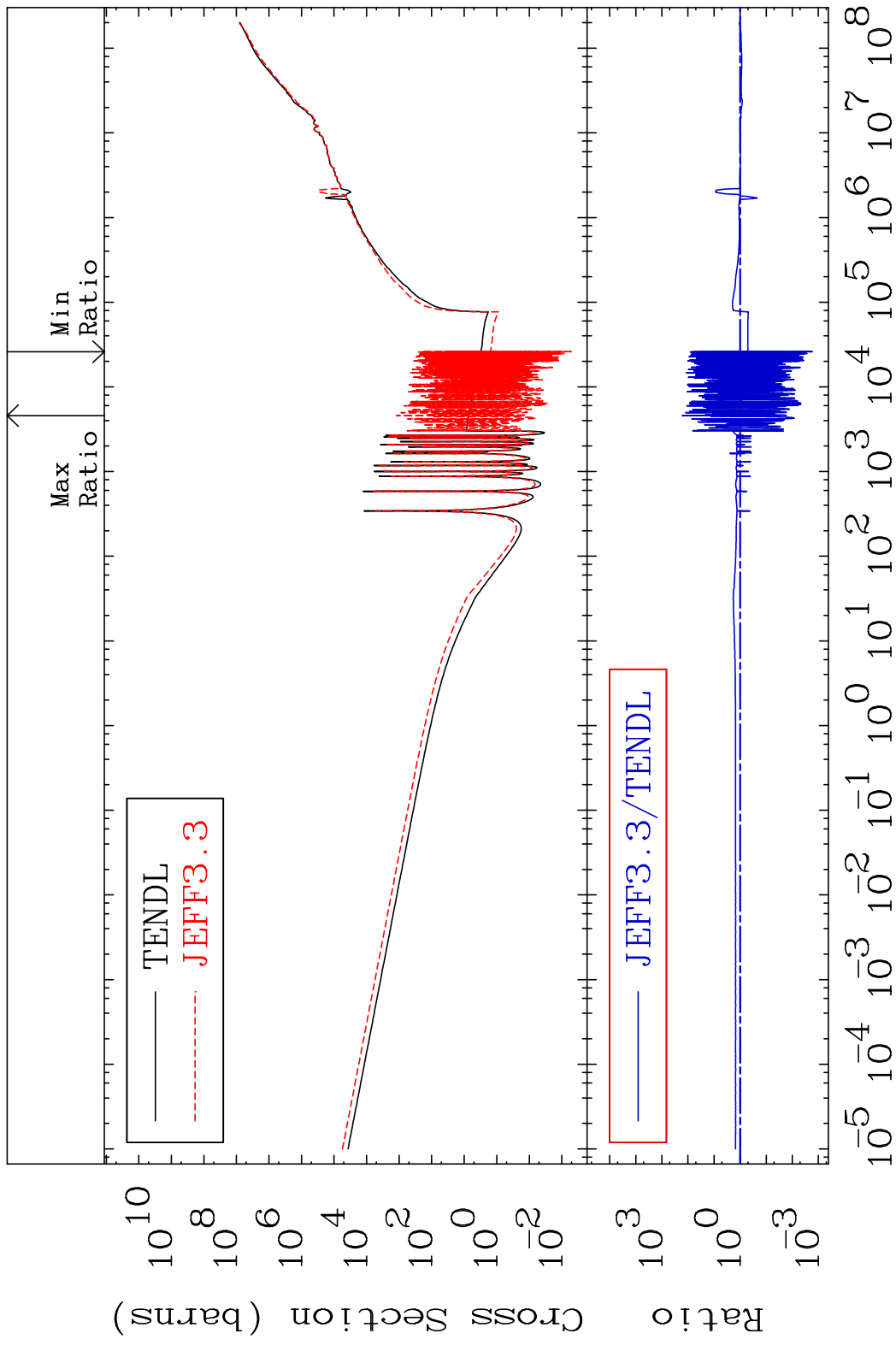
70-Yb-174

MAT 7043

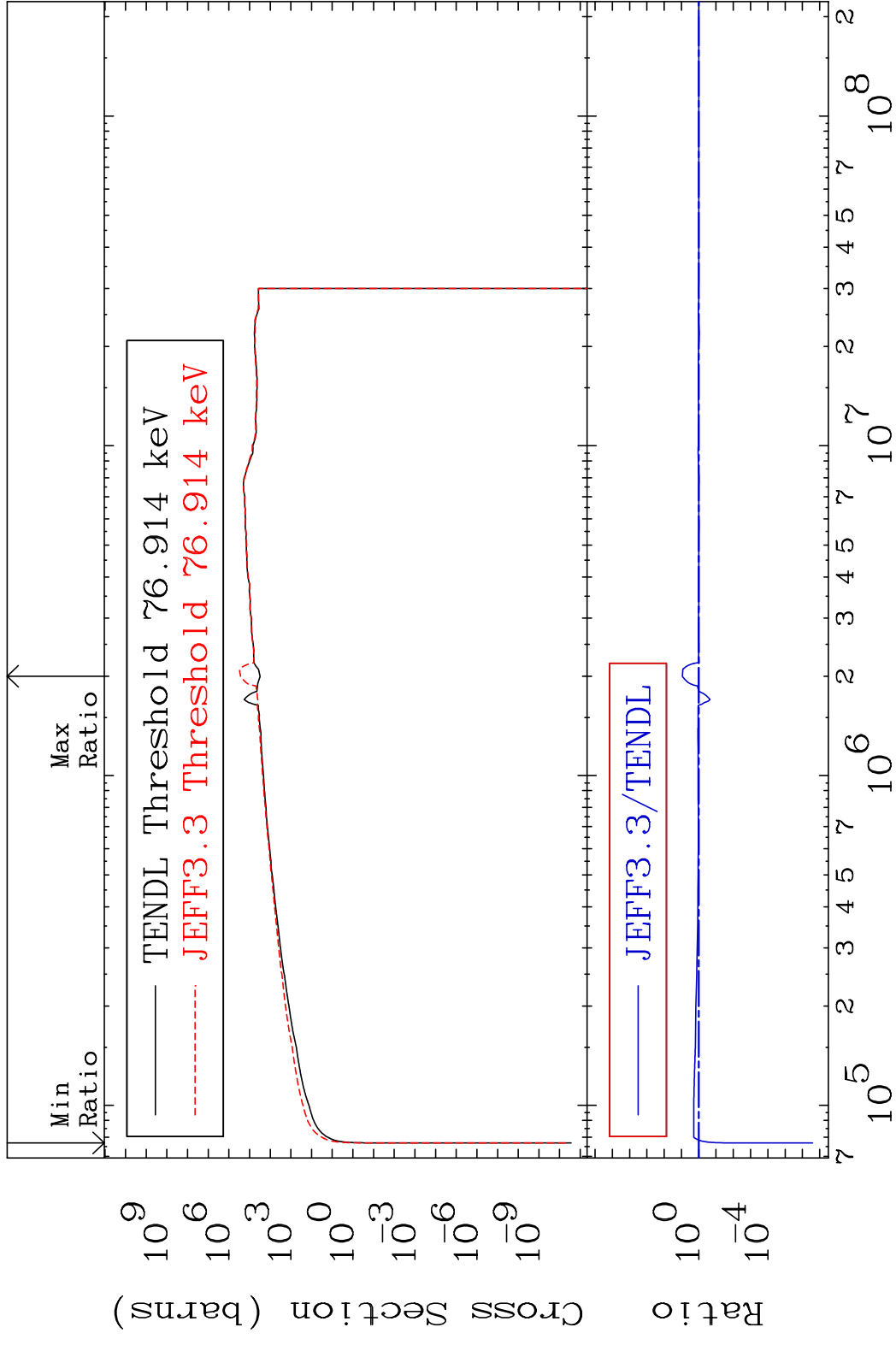
Kerma elastic Cross Section -100.0 To 9999. %
70-Yb-174



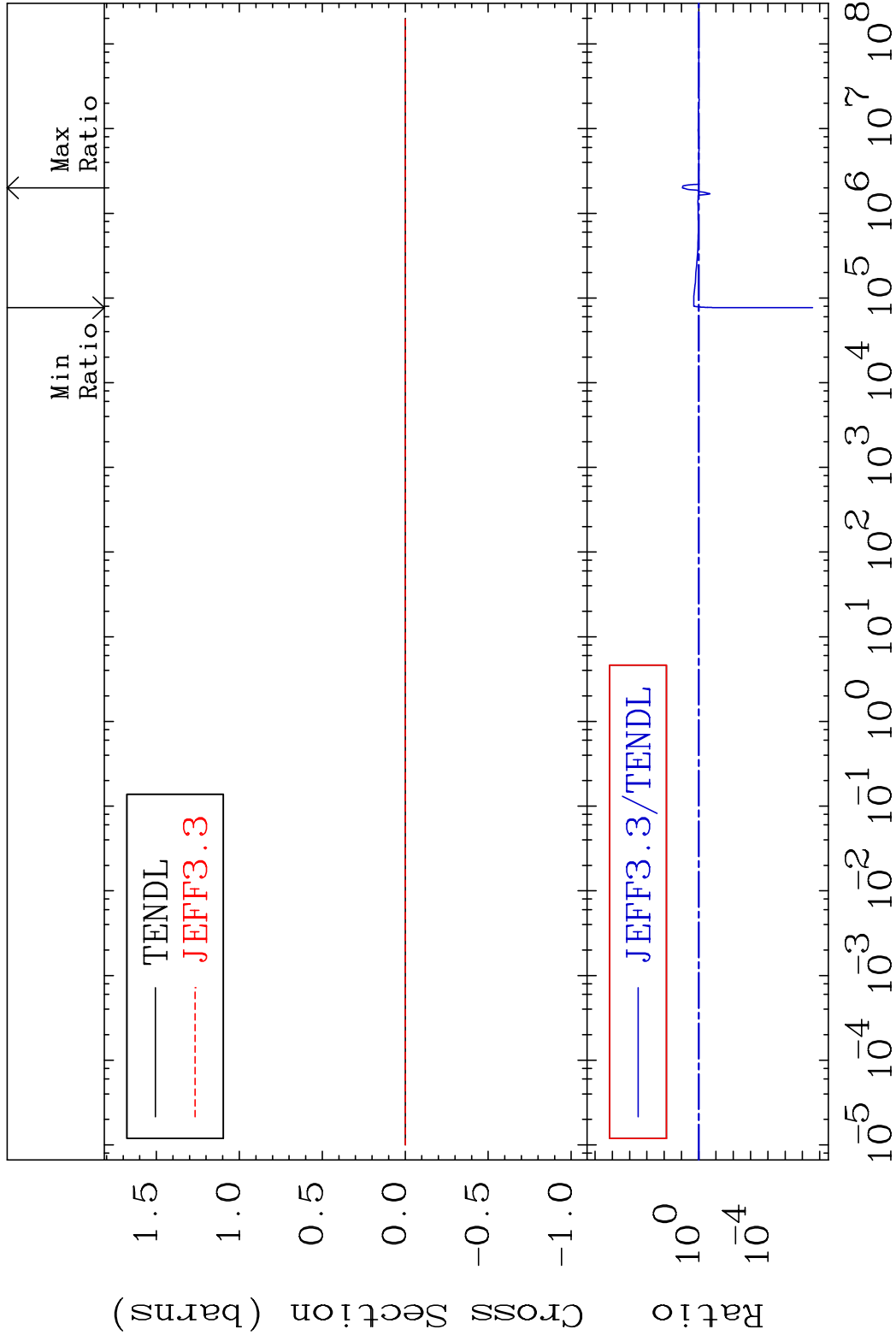
MAT 7043 Kerma non-elastic (all but mt2) 70-Yb-174
 Cross Section -99.83 To 9999. %



MAT 7043 Kerma inelastic (mt51-91) 70-Yb-174
 Cross Section -100.0 To 788.8 %

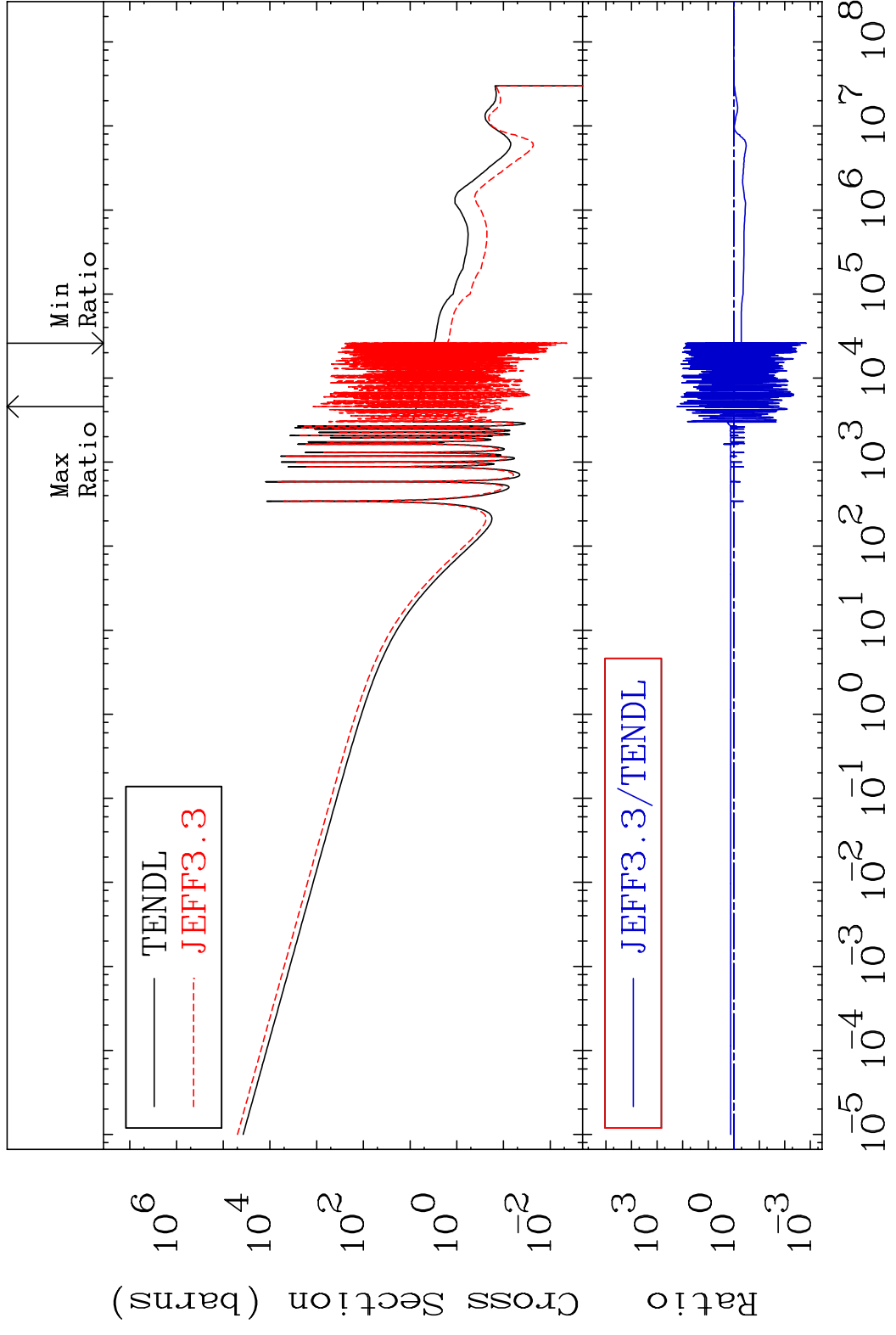


MAT 7043 Kerma fission (mt18 or mt19-20-21-38) 70-Yb-174
 Cross Section -100.0 To 788.8 %



MAT 7043

Kerma capture (mt102) 70-Yb-174
Cross Section -99.86 To 9999. %



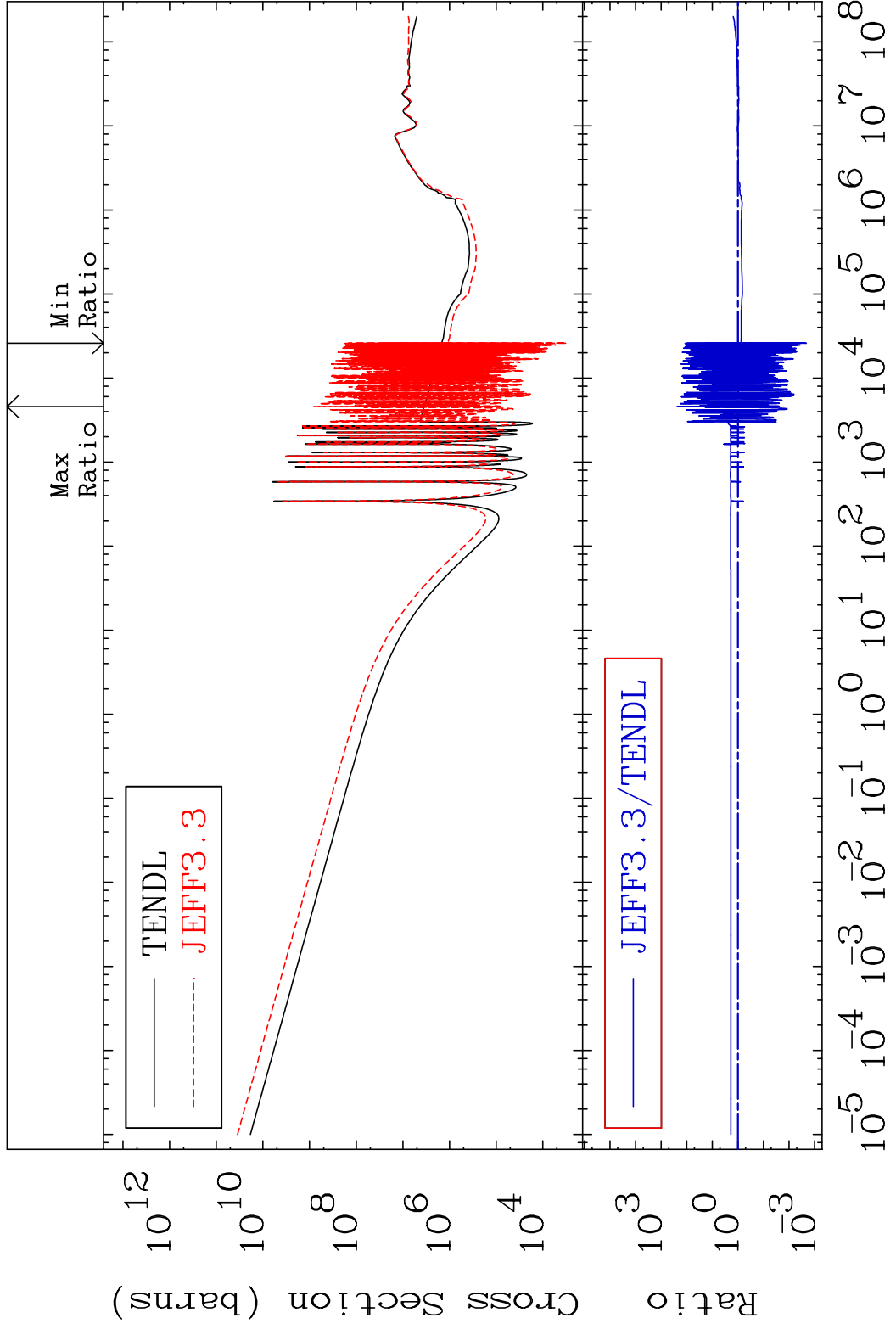
54

Incident Energy (eV)

70-Yb-174

MAT 7043

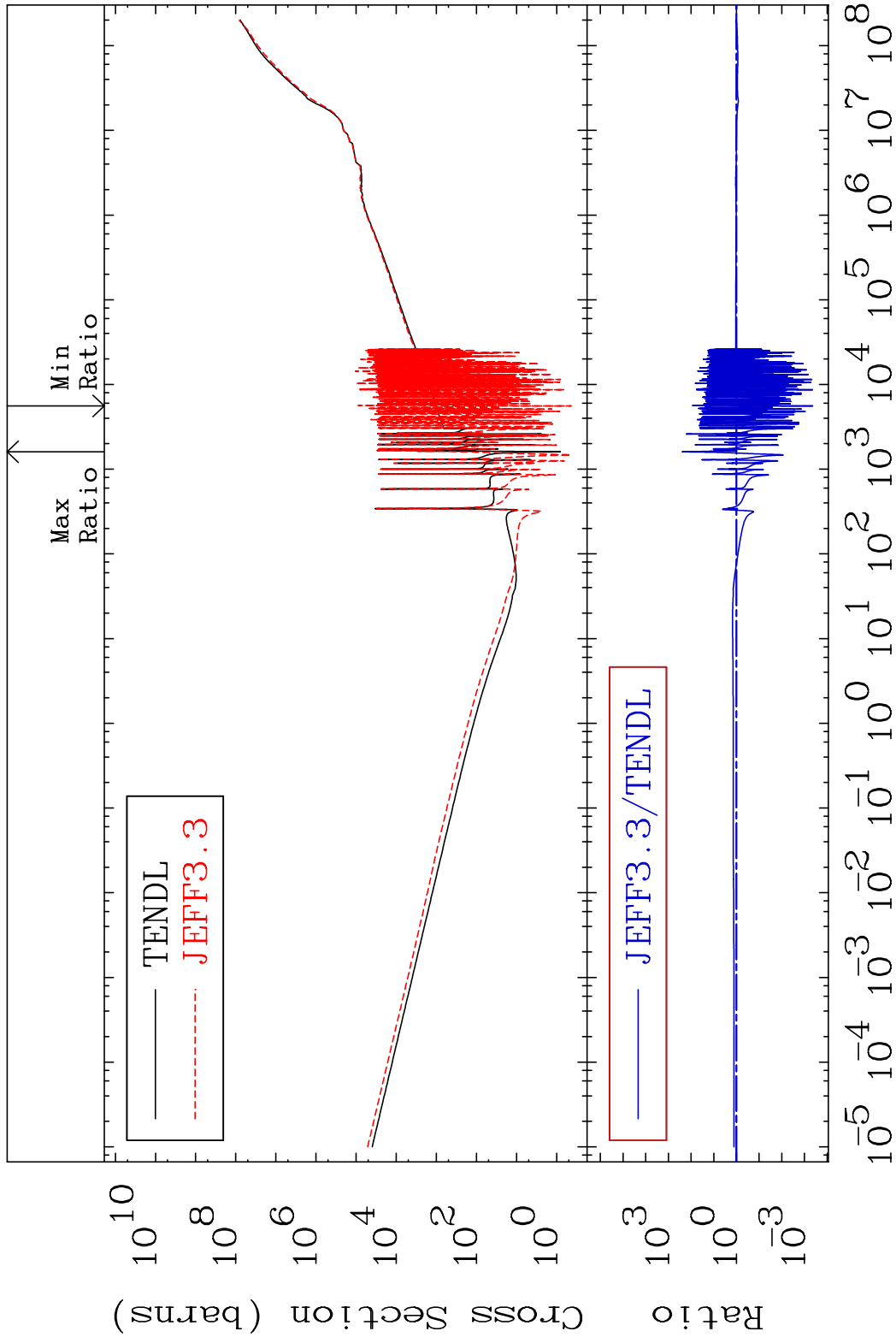
Total photon (eV-barns) 70-Yb-174
Cross Section -99.79 To 9999. %



55

Incident Energy (eV) 70-Yb-174

MAT 7043 Total kinematic kerma (high limit) 70-Yb-174
 Cross Section -99.96 To 9999. %

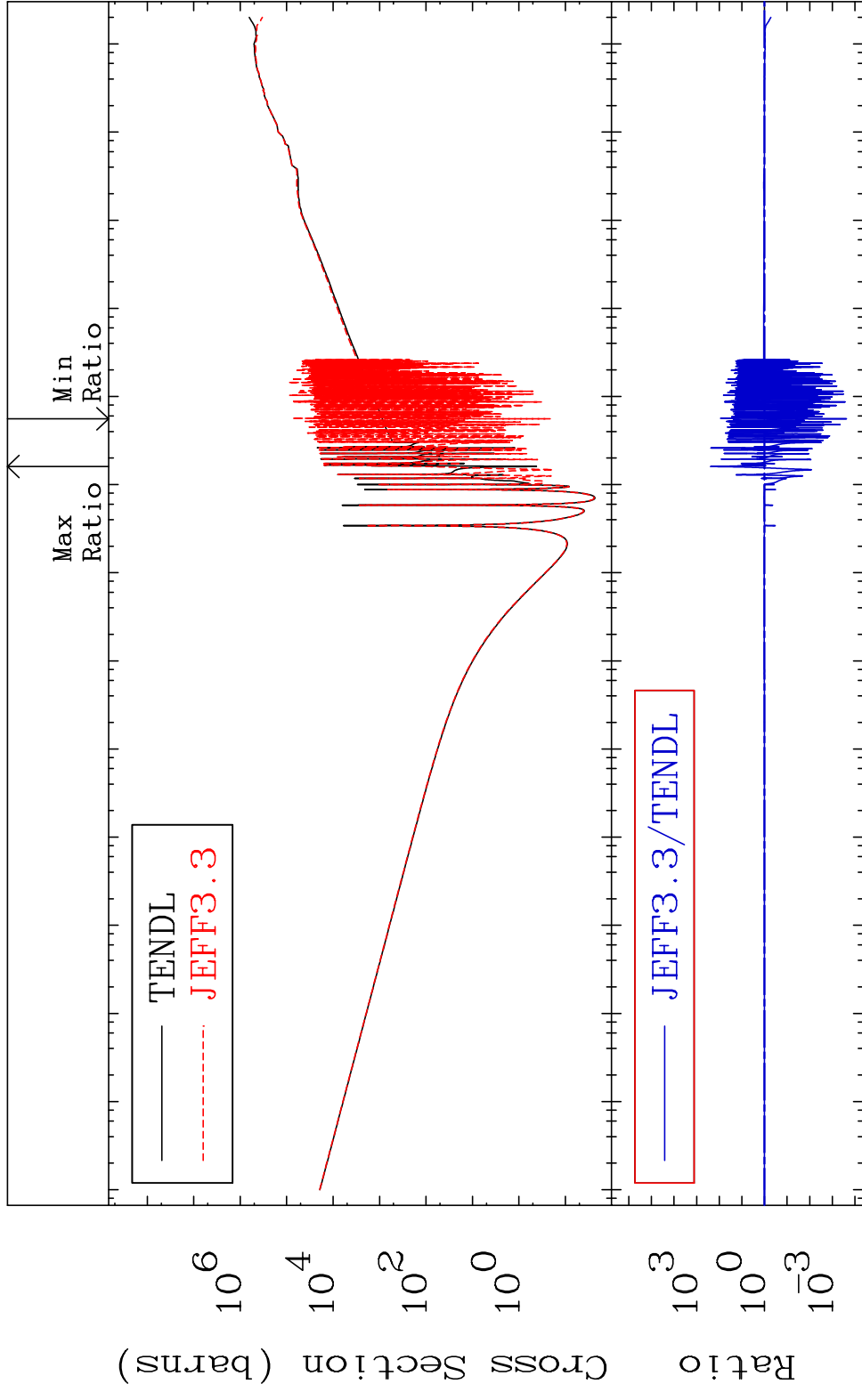


MAT 7043

Dpa total (eV-barns)

70-Yb-174

Cross Section -99.98 To 9999. %

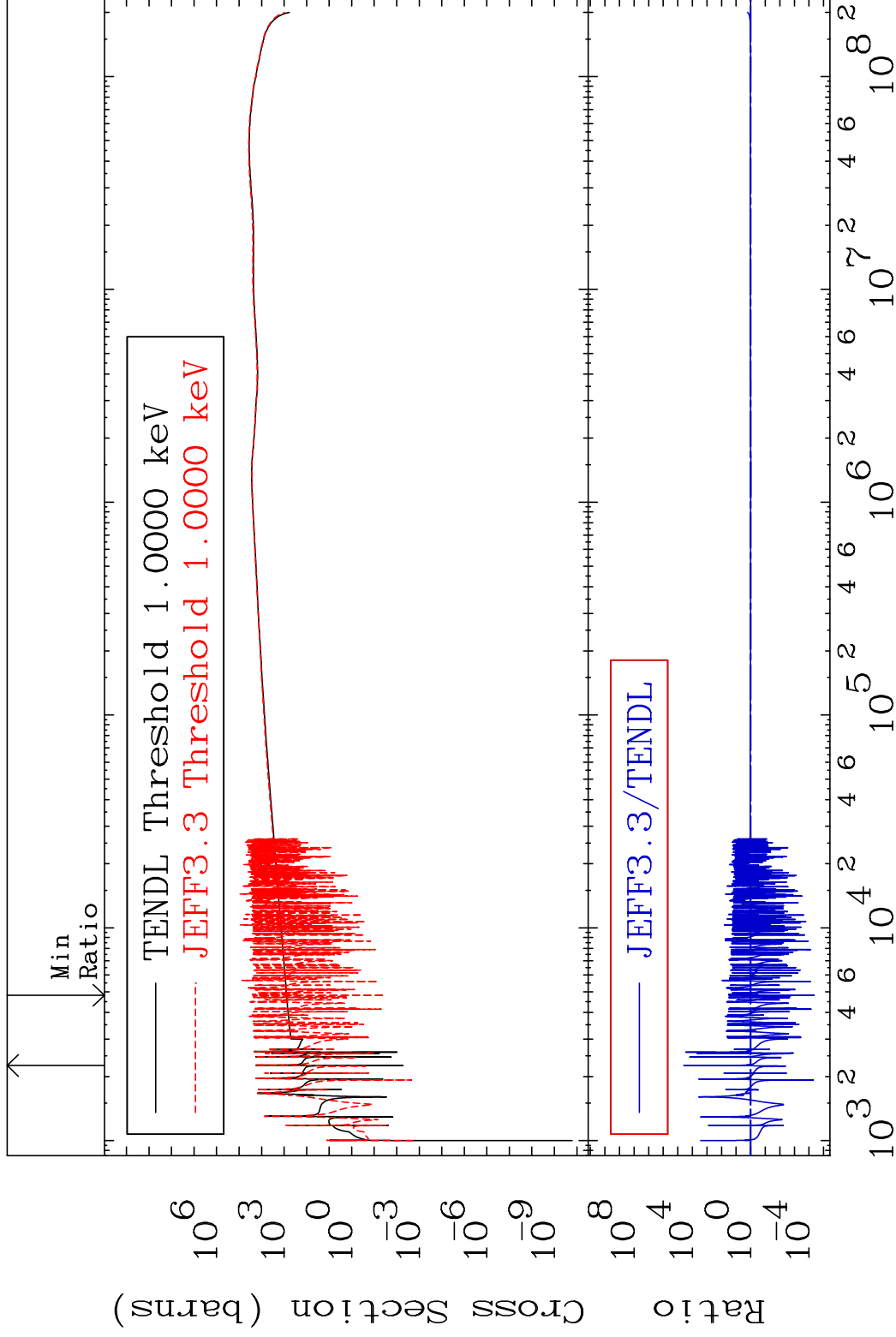


MAT 7043

Dpa elastic (mt2)

70-Yb-174

Cross Section -100.0 To 9999. %

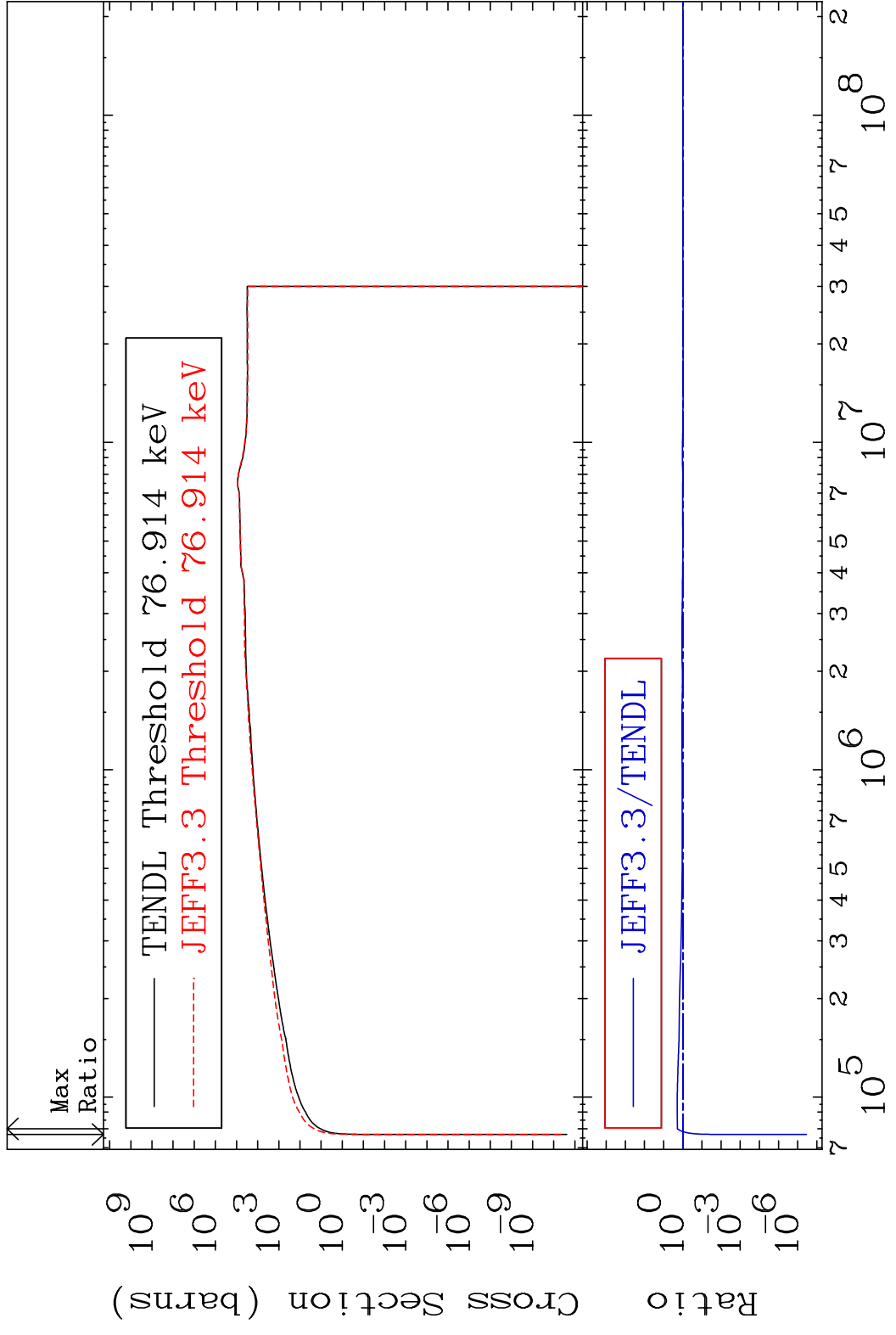


58

Incident Energy (eV)

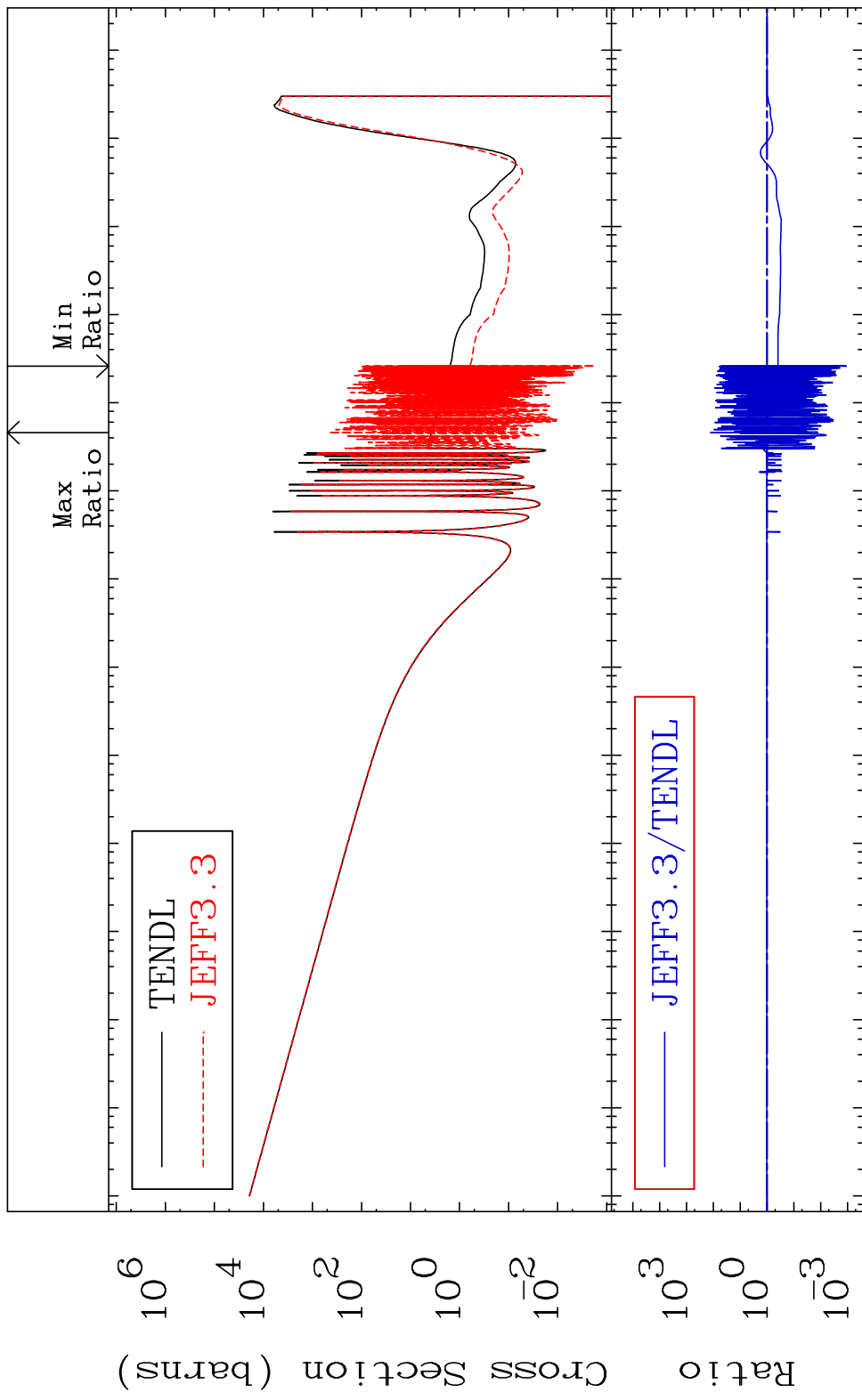
70-Yb-174

MAT 7043 Dpa inelastic (mt51-91) 70-Yb-174
 Cross Section -100.0 To 96.09 %



59 Incident Energy (eV) 70-Yb-174

MAT 7043 Dpa disappearance (mt102 -120) 70-Yb-174
 Cross Section -99.89 To 9999. %



60 Incident Energy (eV) 70-Yb-174

