

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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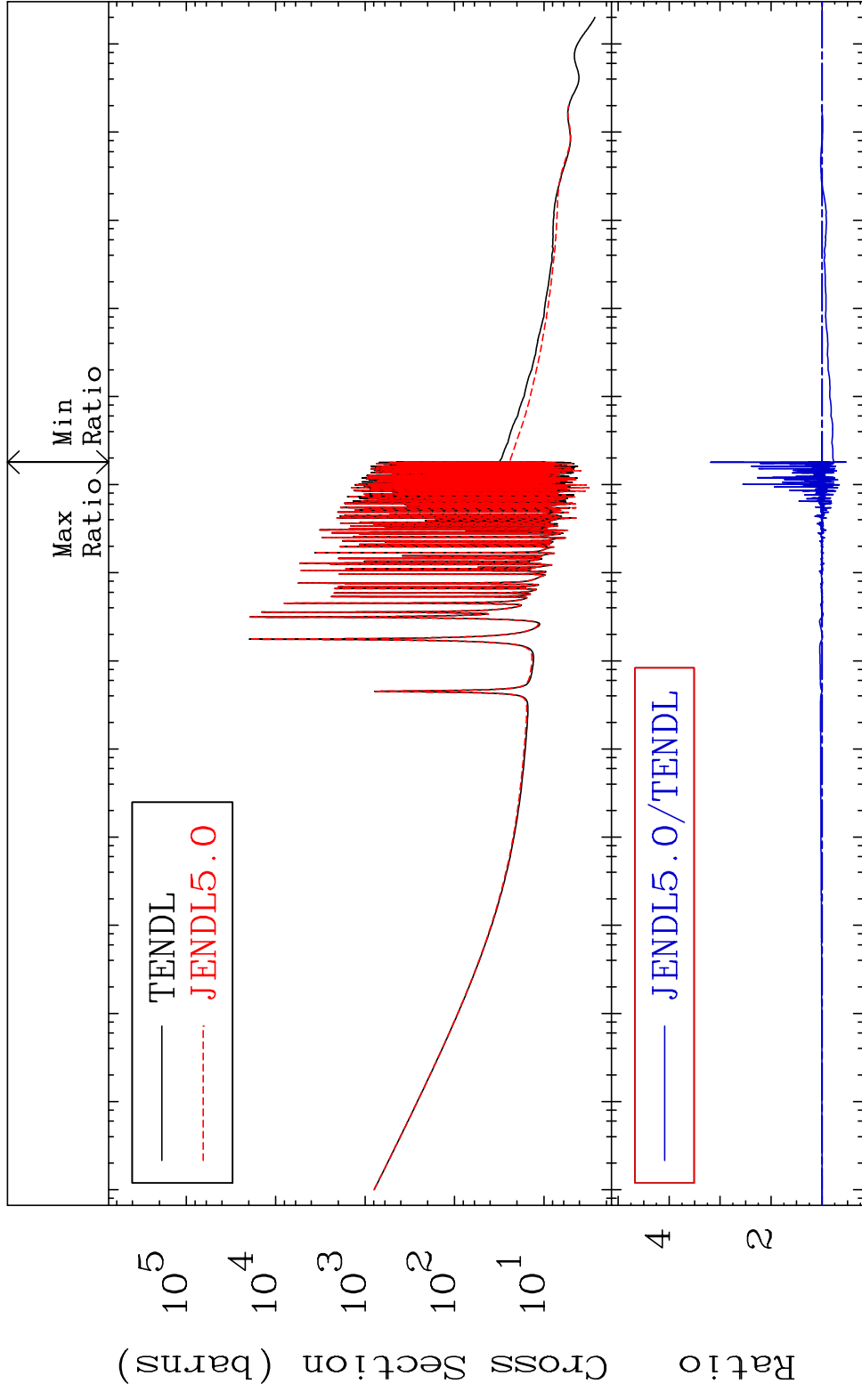
U.S.A.

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Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7040 Total 70-Yb-173
Cross Section -47.58 To 218.5 %



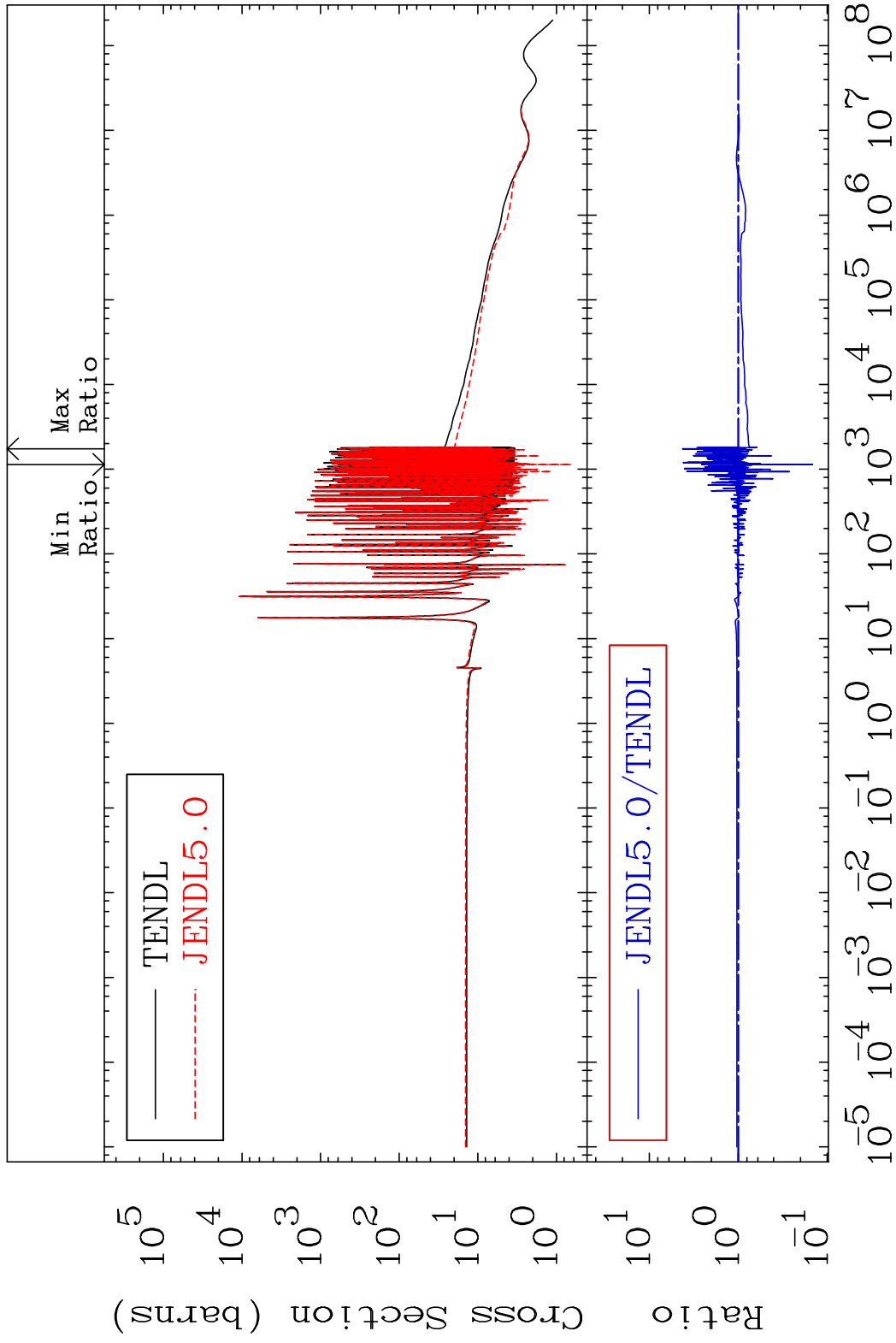
1 Incident Energy (eV) 70-Yb-173

MAT 7040

Elastic

70-Yb-173

Cross Section -85.38 To 324.3 %

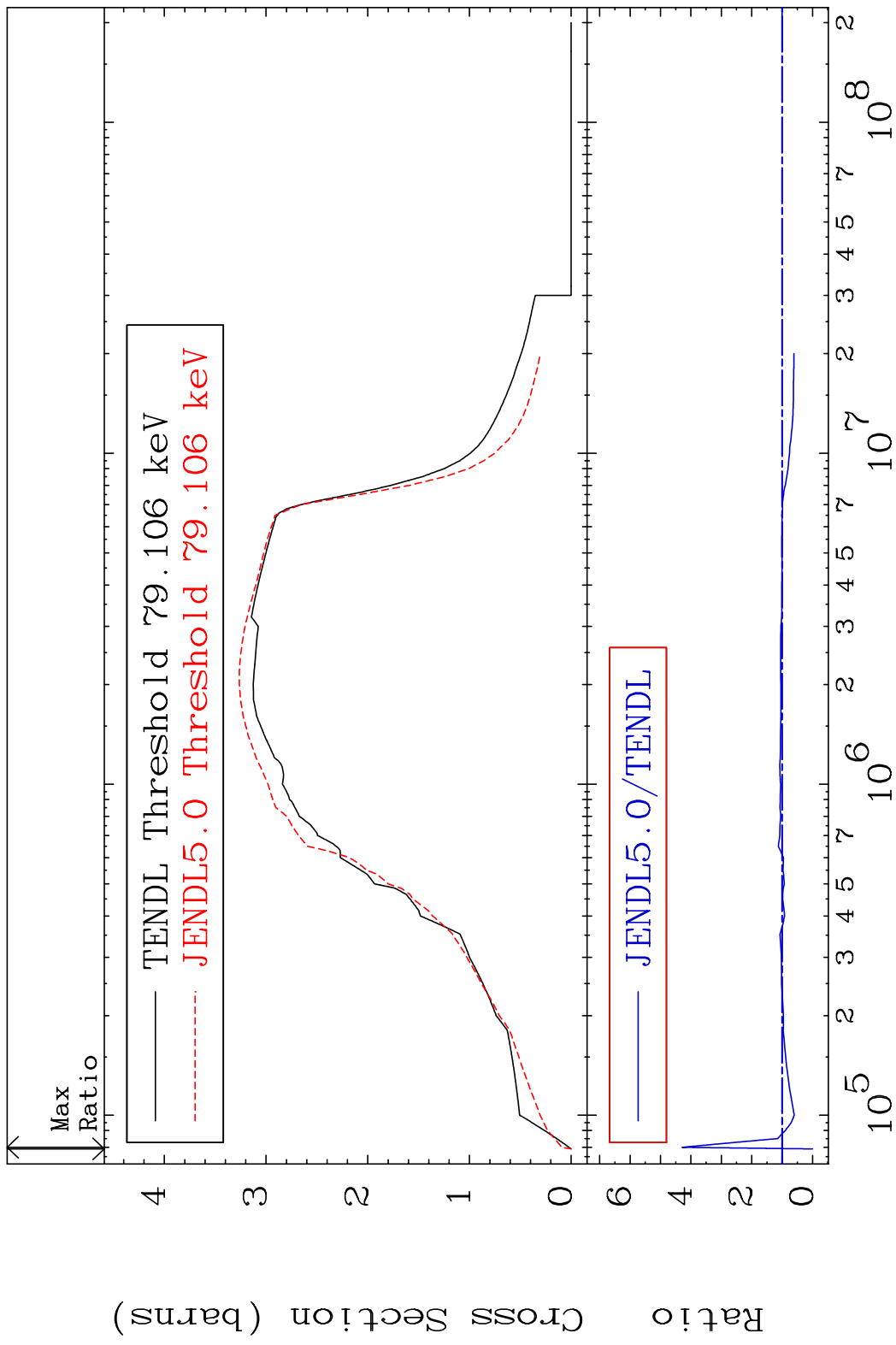


2

Incident Energy (eV)

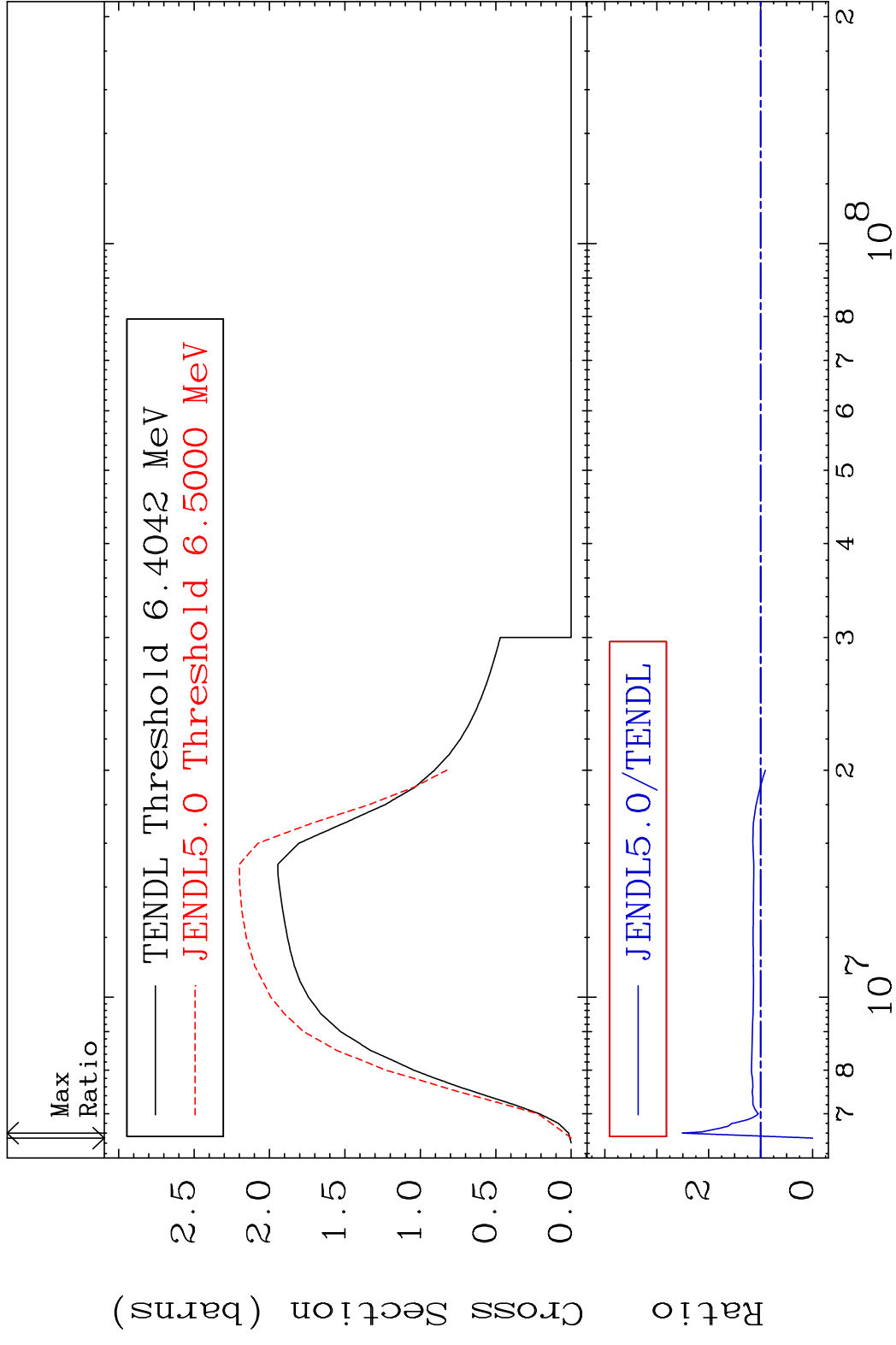
70-Yb-173

MAT 7040 Inelastic 70-Yb-173
Cross Section -100.0 To 328.1 %



3 70-Yb-173

MAT 7040 (n,2n) 70-Yb-173
 Cross Section -100.0 To 150.8 %



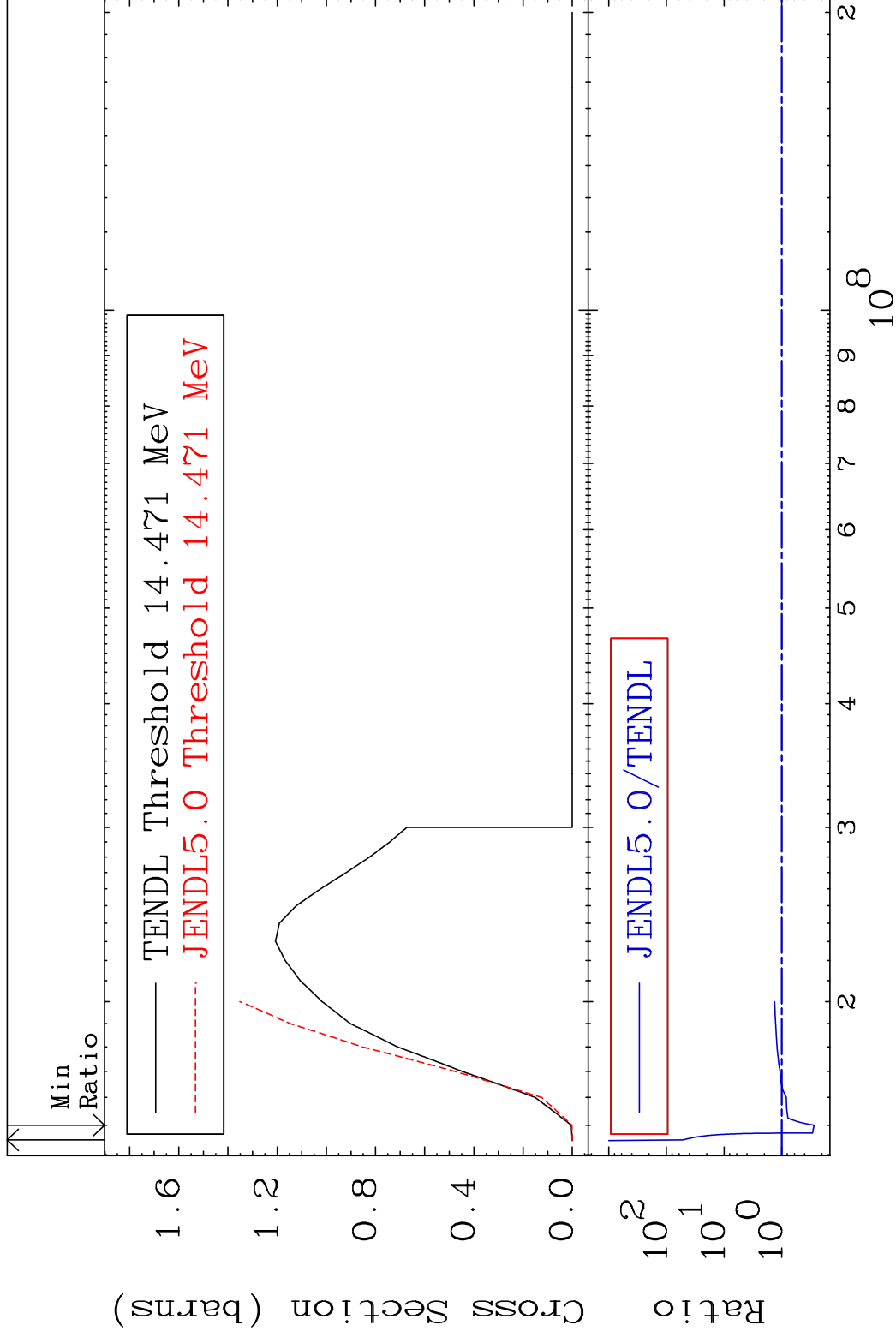
4 Incident Energy (eV) 70-Yb-173

MAT 7040

(n,3n)

70-Yb-173

Cross Section -72.68 To 4920. %



5

Incident Energy (eV)

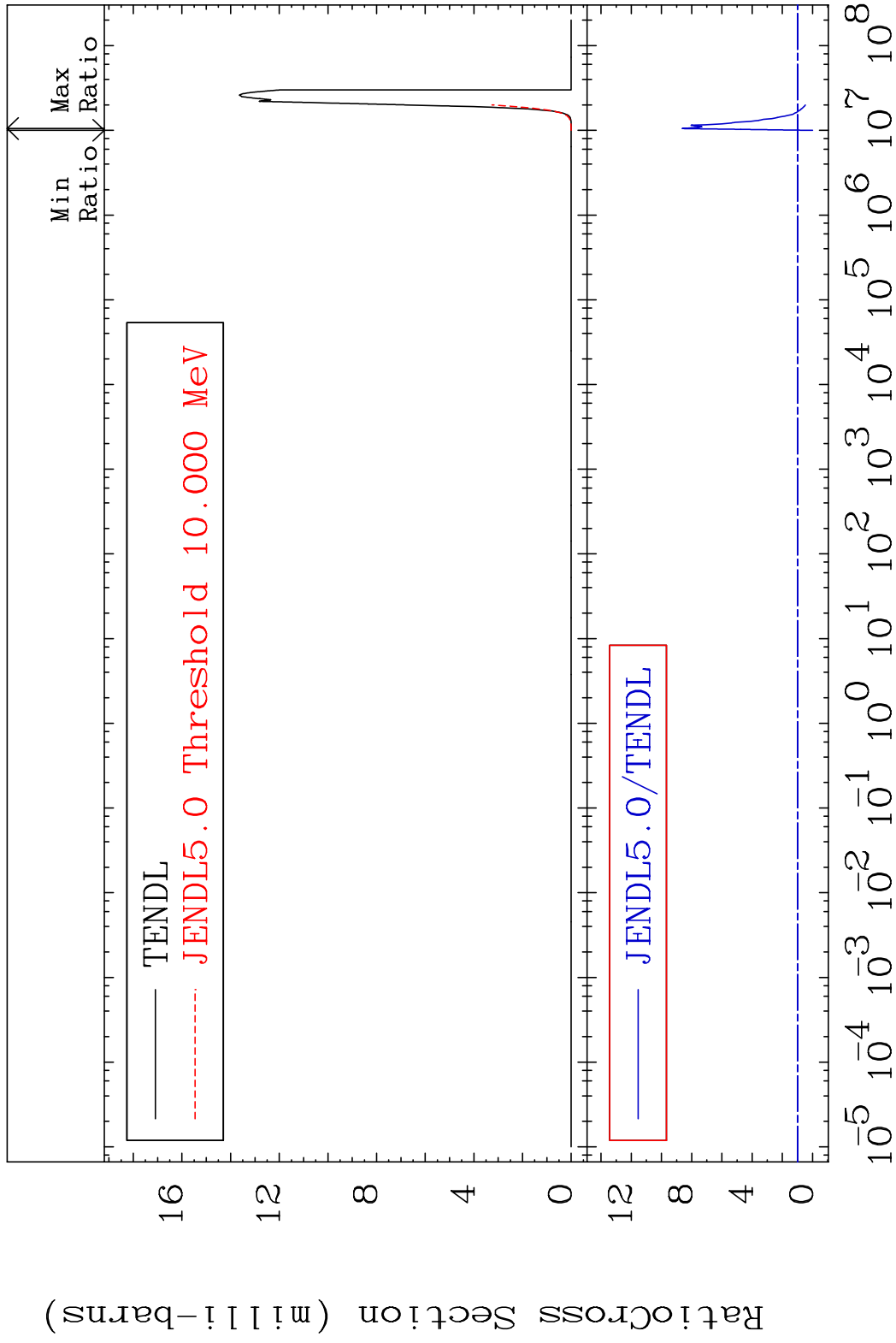
70-Yb-173

MAT 7040

(n, n') α

70-Yb-173

Cross Section -100.0 To 761.9 %



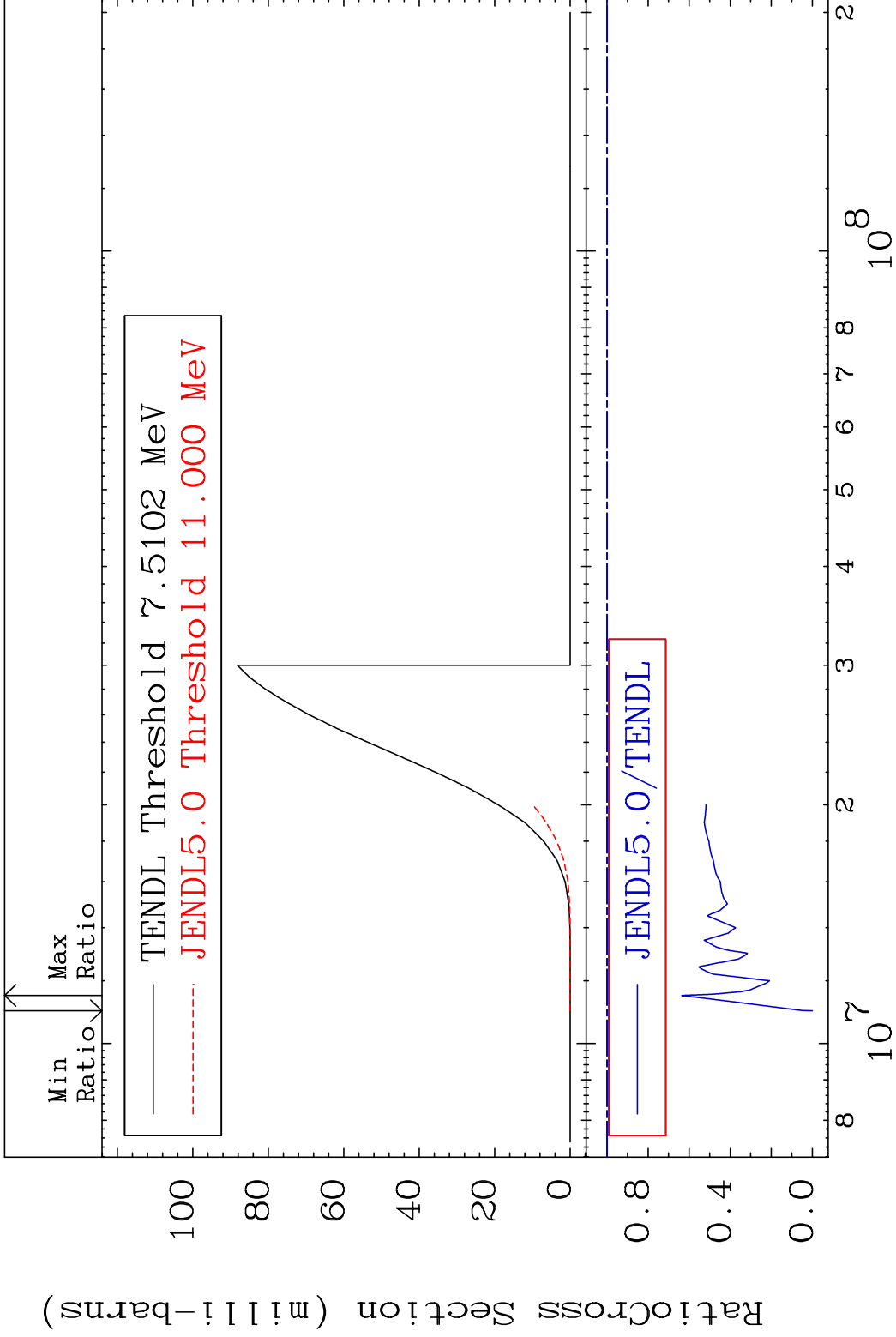
MAT 7040

(n, n') p

70-Yb-173

Cross Section

-100.0 To -36.39%



7

Incident Energy (eV)

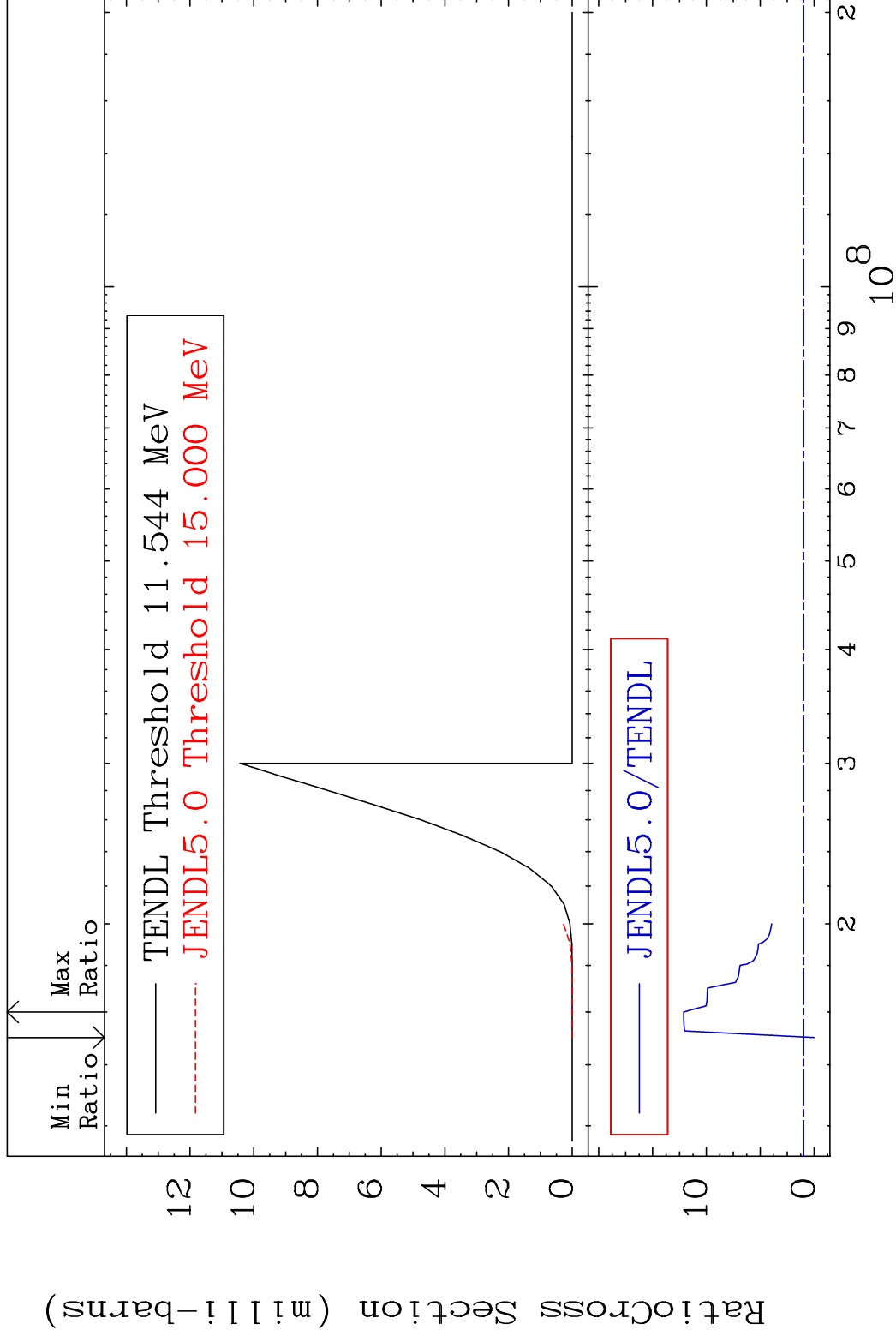
70-Yb-173

MAT 7040

(n, n') d

70-Yb-173

Cross Section -100.0 To 1111. %

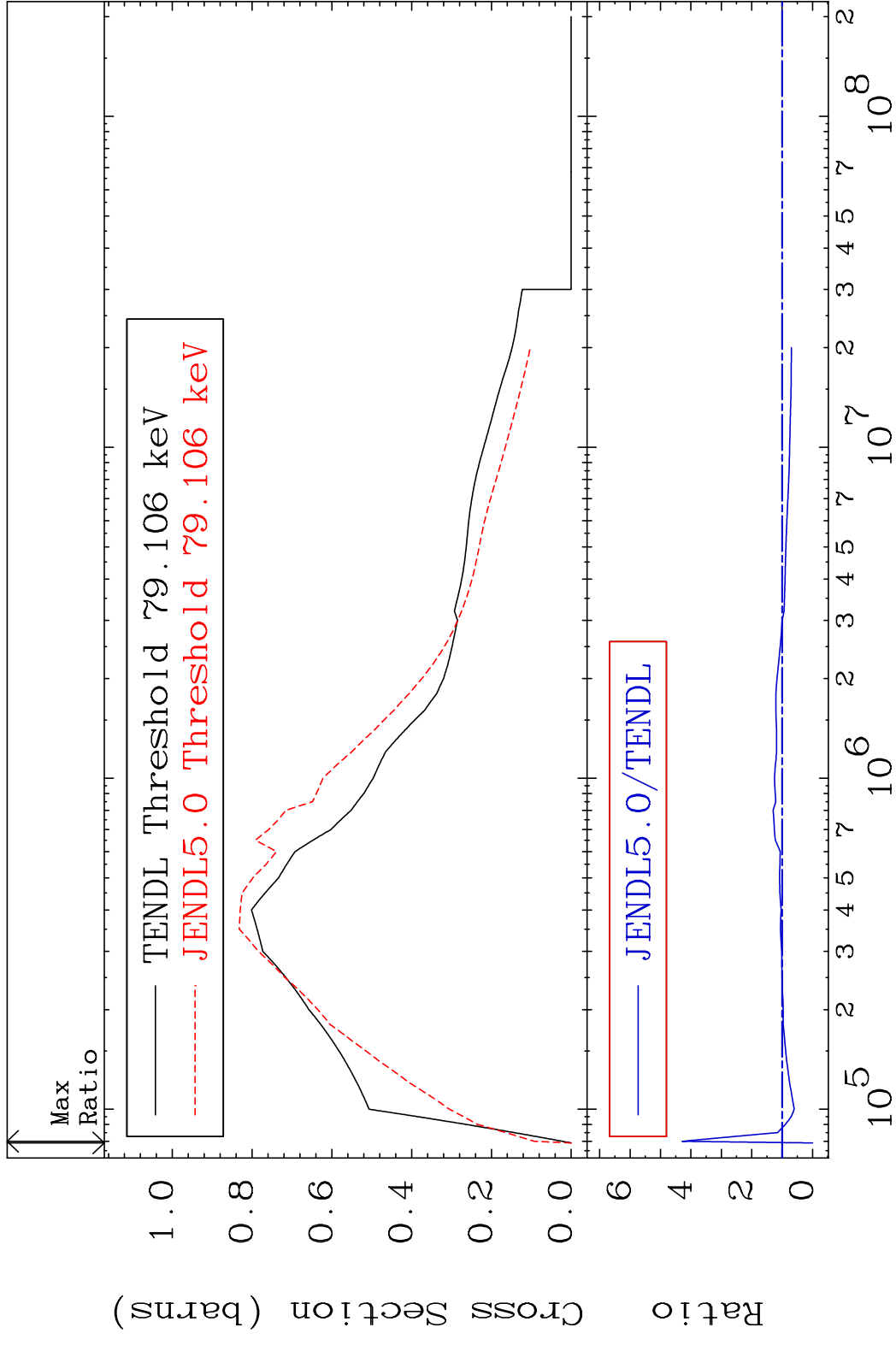


8

Incident Energy (eV)

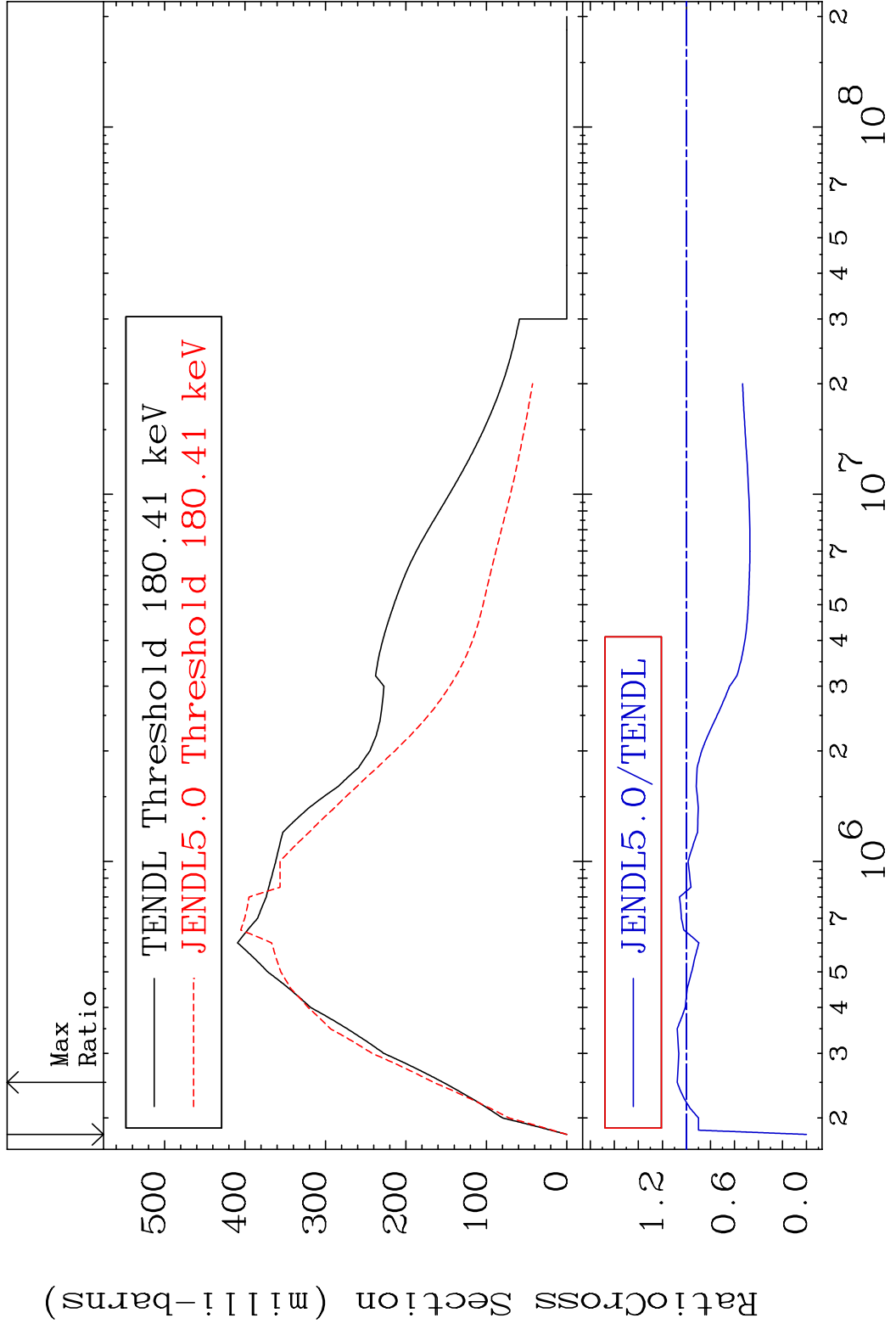
70-Yb-173

MAT 7040 MT= 51 (n,n') Level 70-Yb-173
 Cross Section -100.0 To 328.1 %



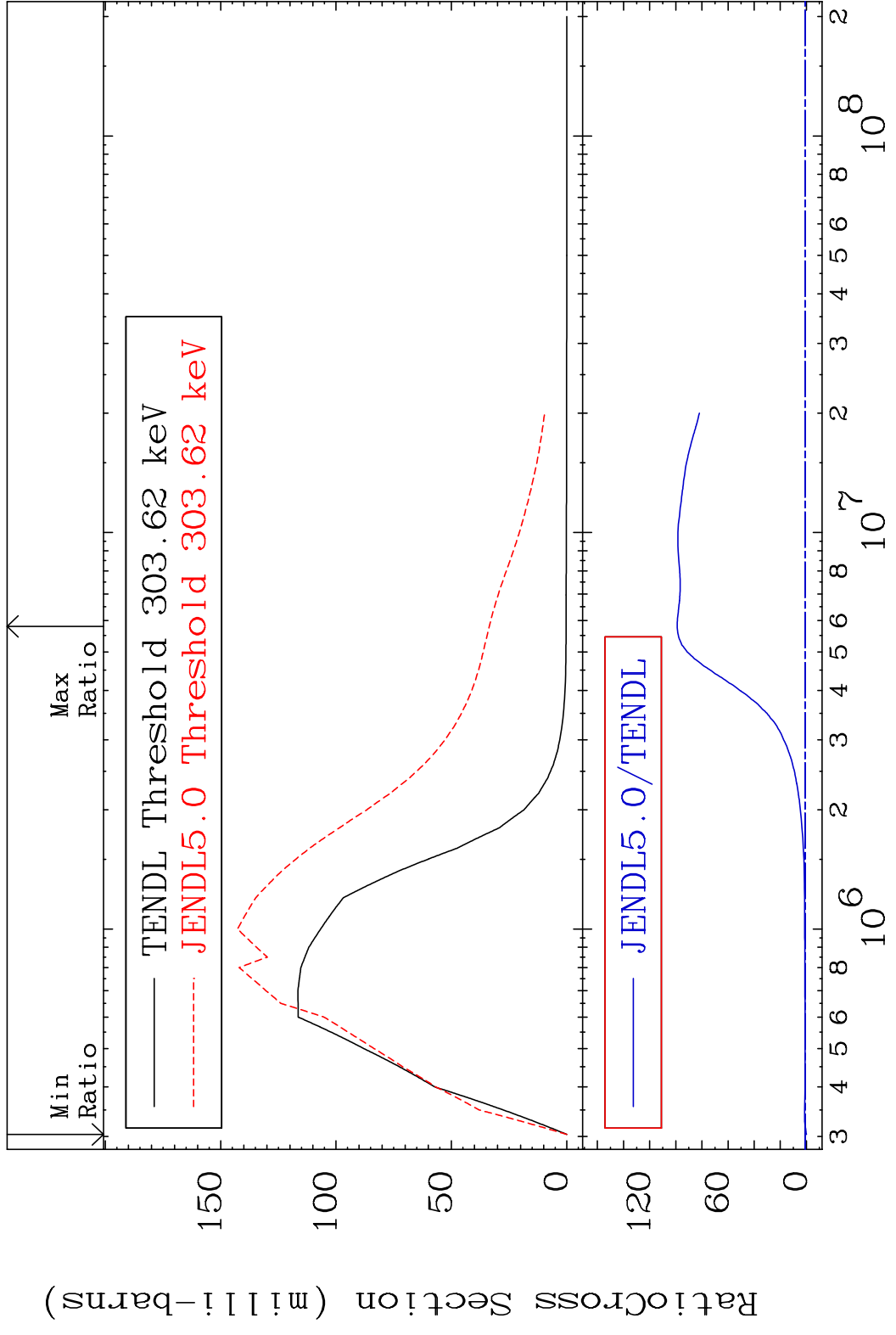
9 Incident Energy (eV) 70-Yb-173

MAT 7040 MT= 52 (n,n') Level 70-Yb-173
 Cross Section -100.0 To 7.679 %

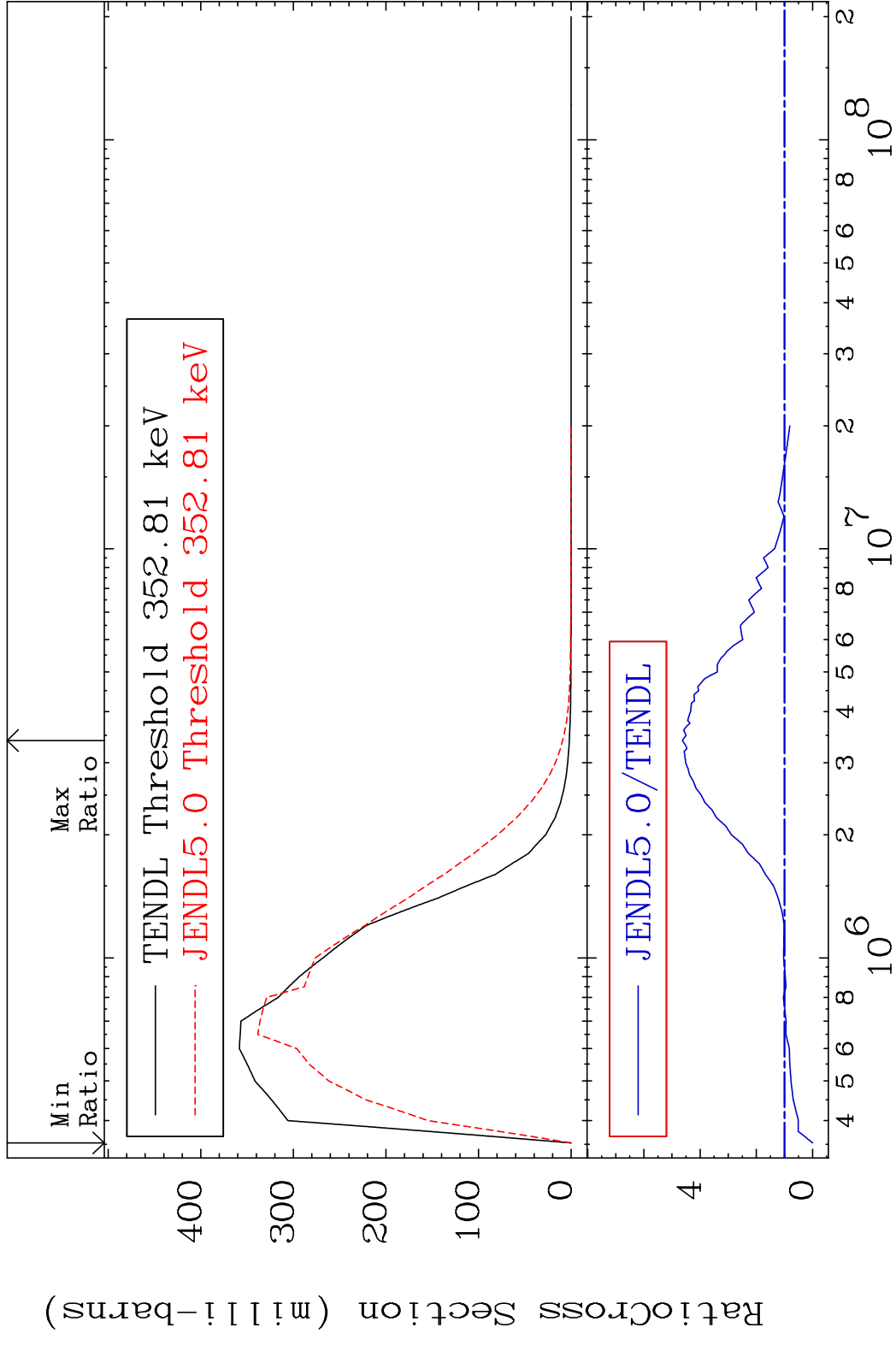


10 Incident Energy (eV) 70-Yb-173

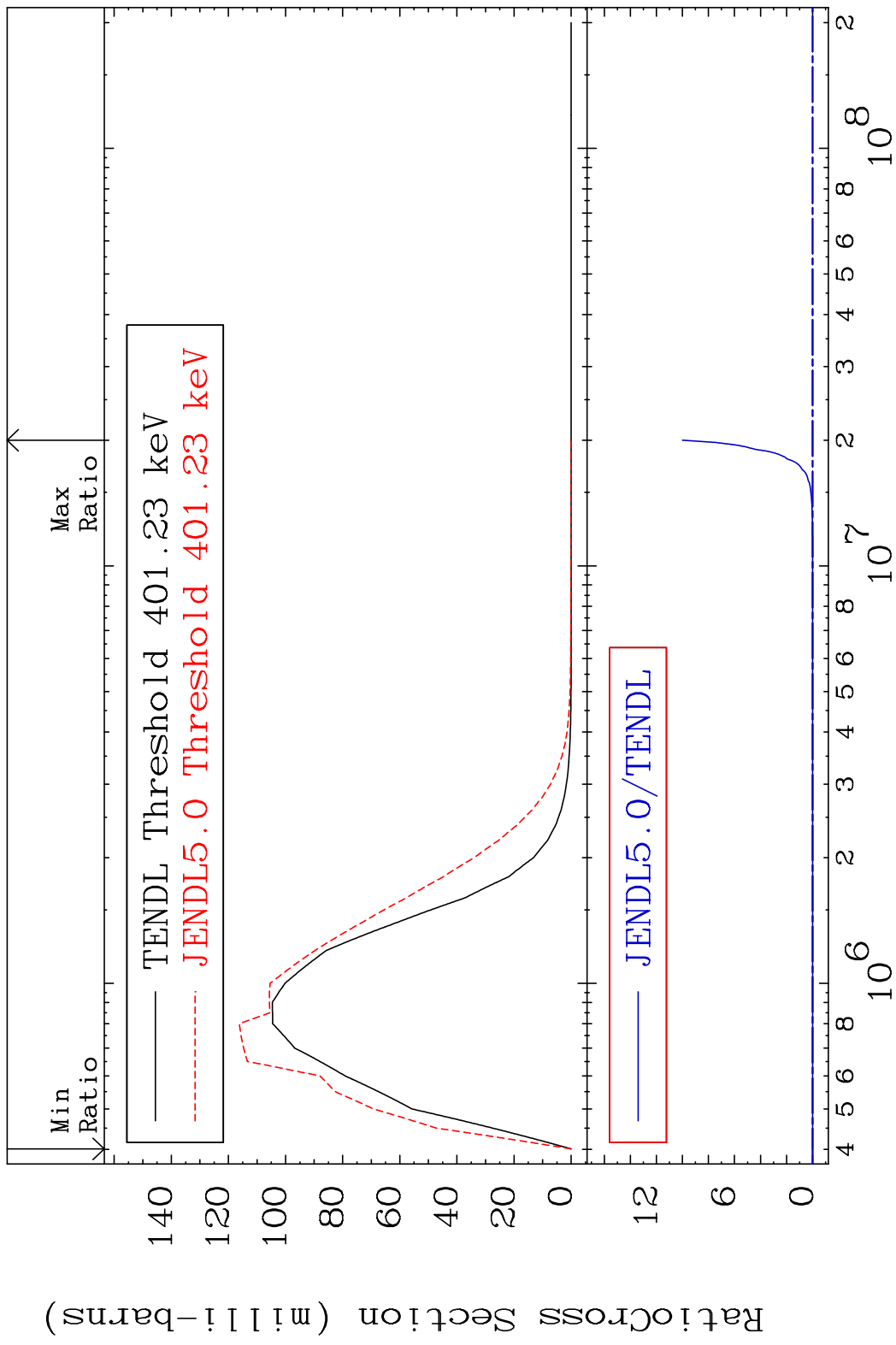
MAT 7040 MT= 53 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 9793. %



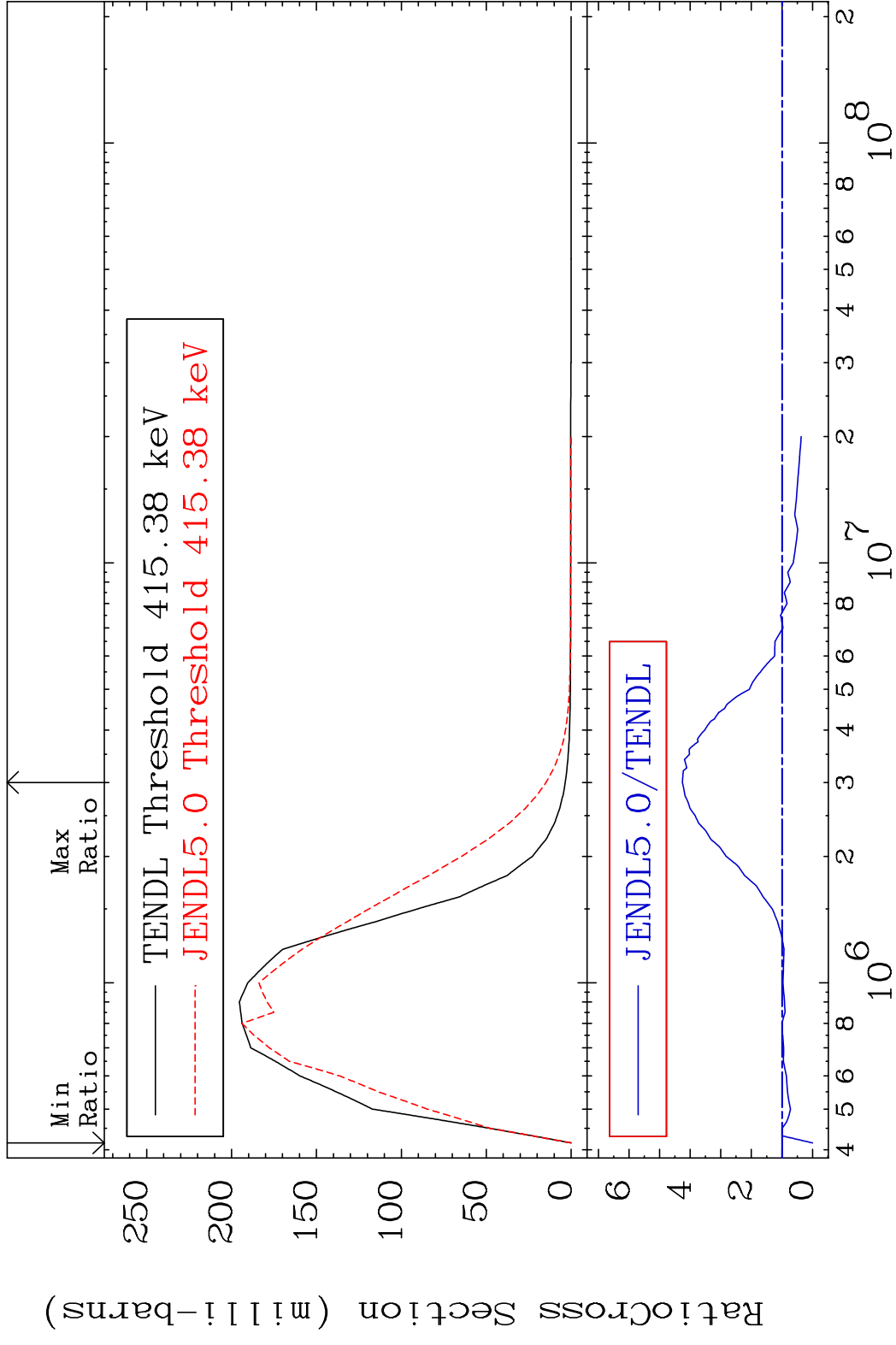
MAT 7040 MT= 54 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 363.1 %



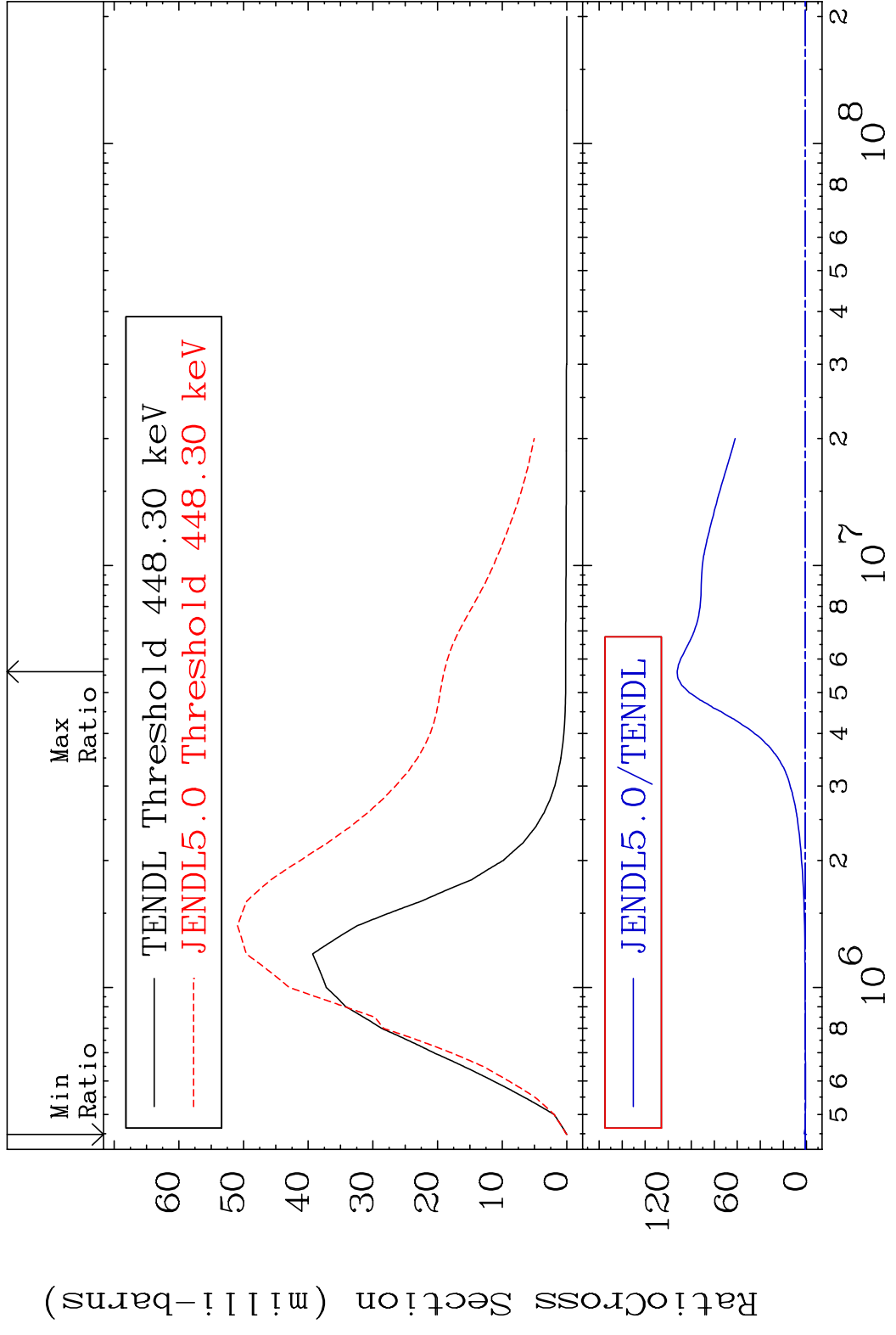
MAT 7040 MT= 55 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 9999. %



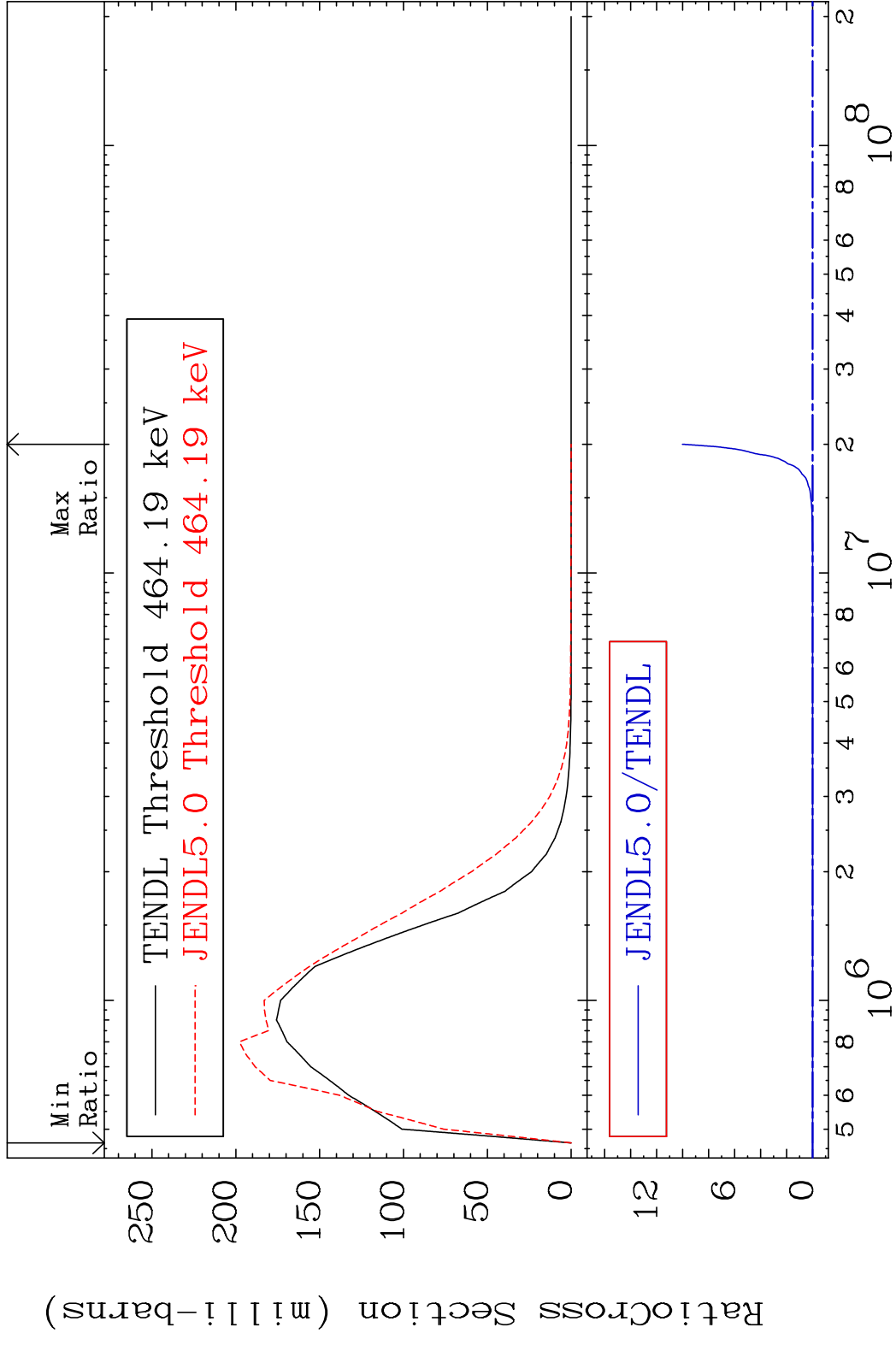
MAT 7040 MT= 56 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 325.6 %



MAT 7040 MT= 57 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 9999. %

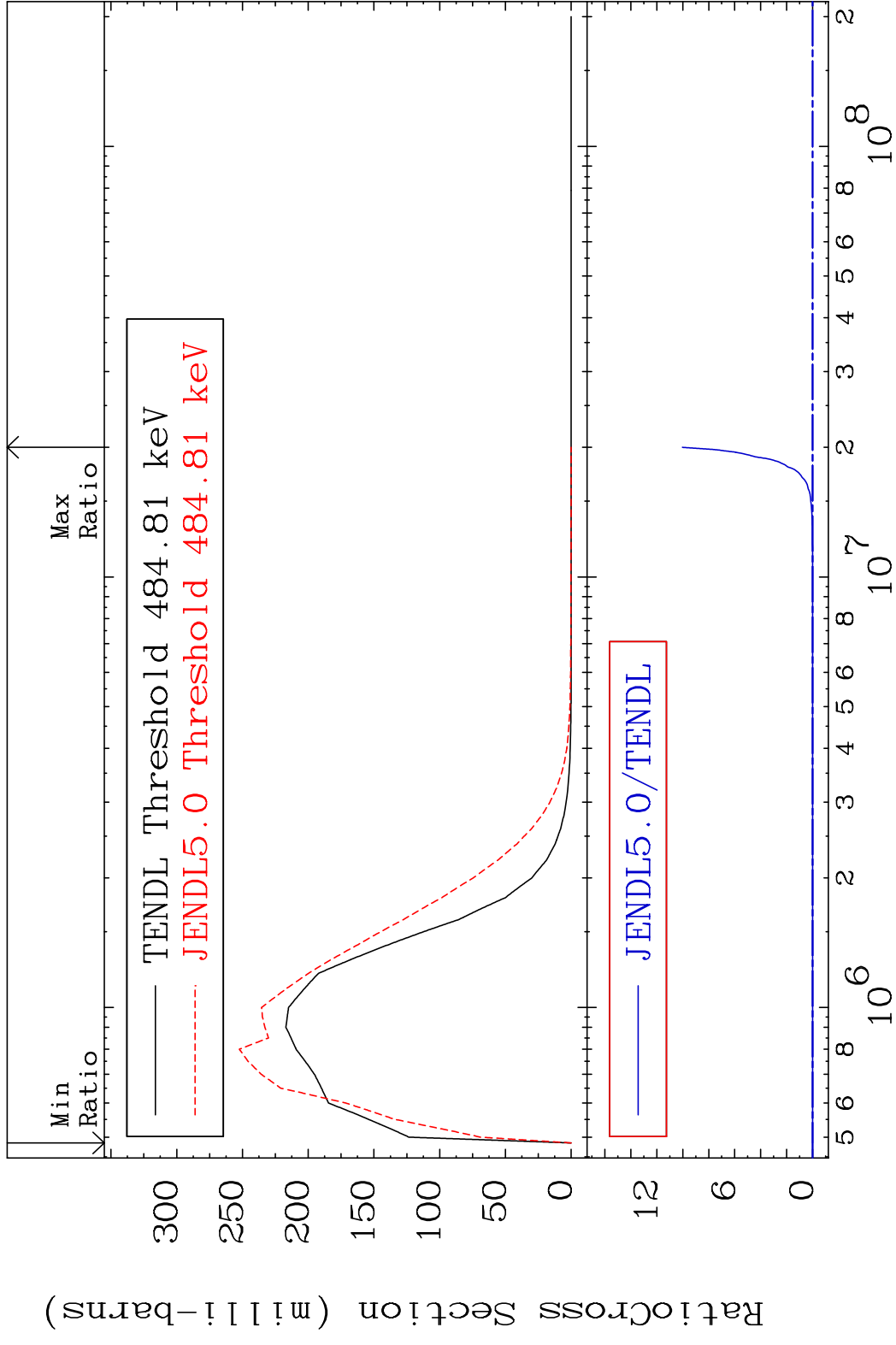


MAT 7040 MT= 58 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 9999. %

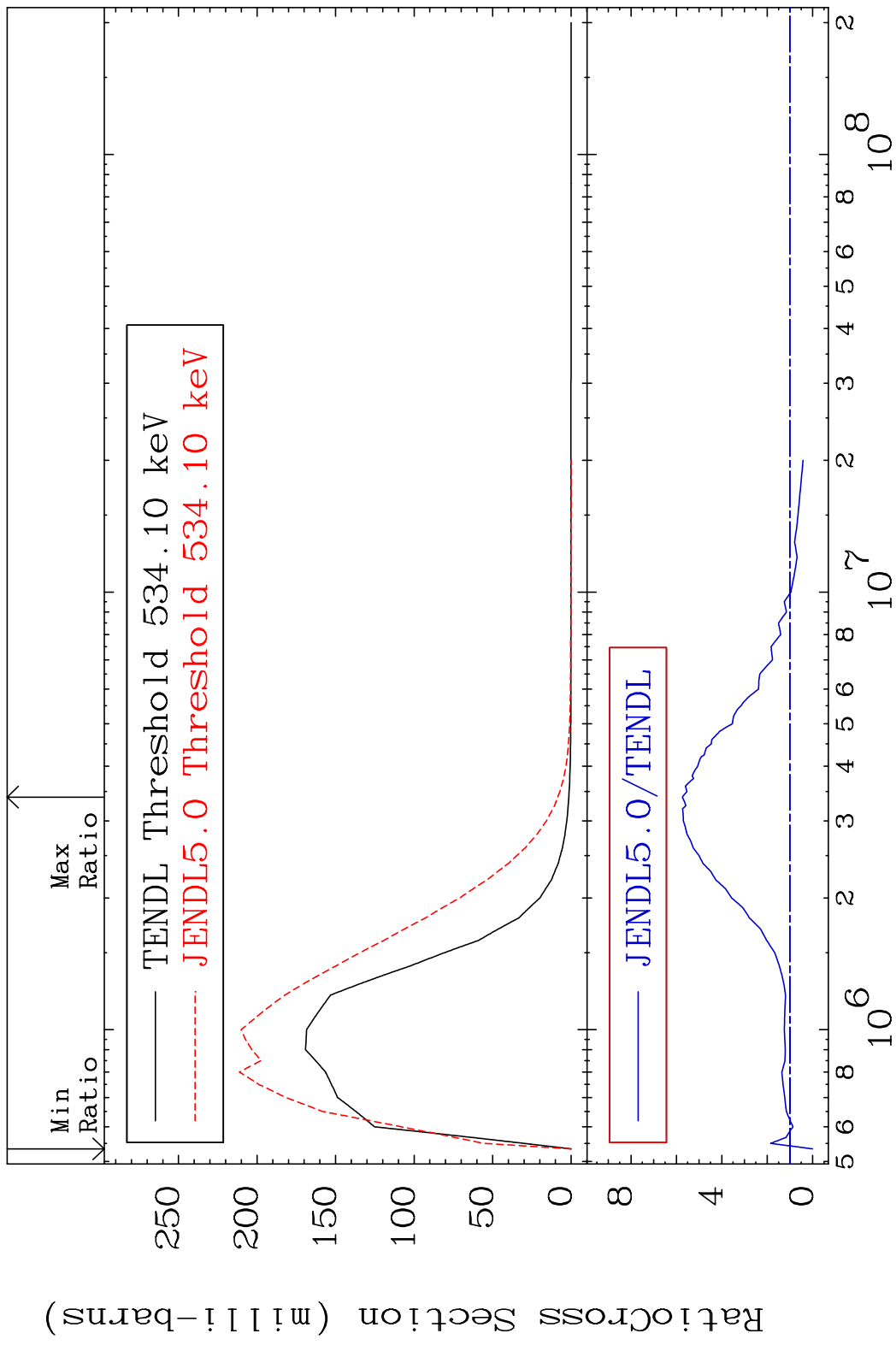


16 Incident Energy (eV) 70-Yb-173

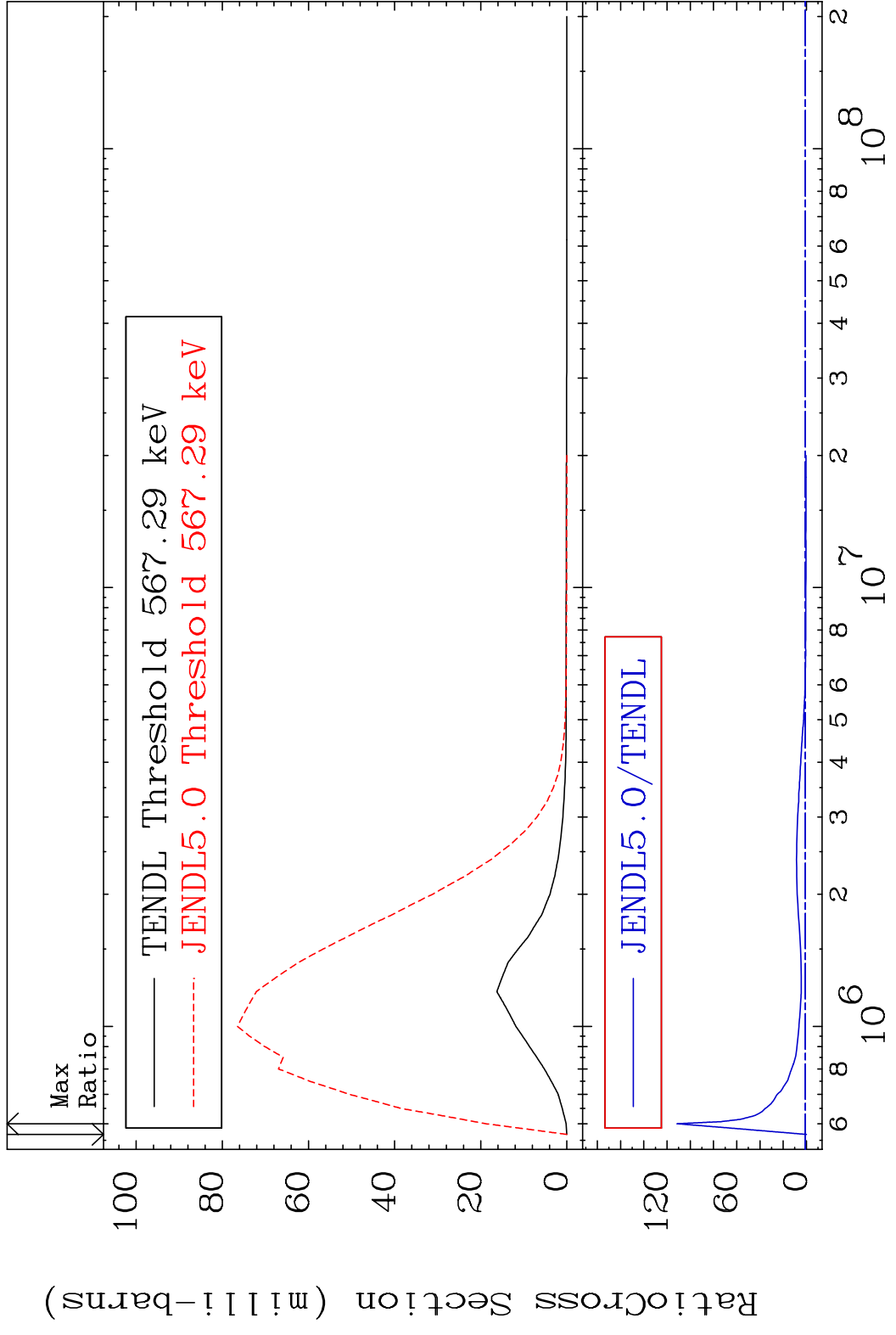
MAT 7040 MT= 59 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 9999. %



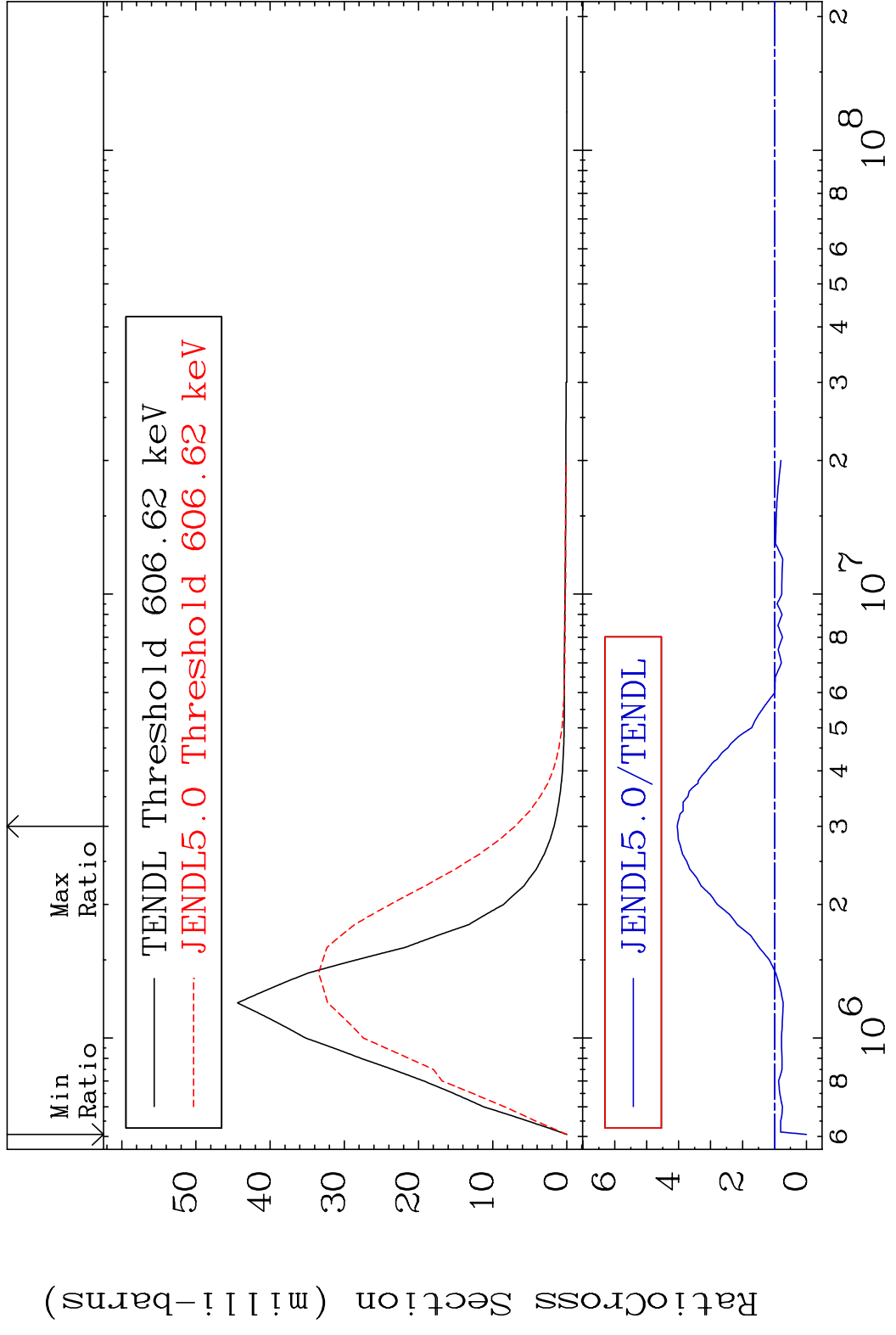
MAT 7040 MT= 60 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 473.7 %



MAT 7040 MT= 61 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 9999. %

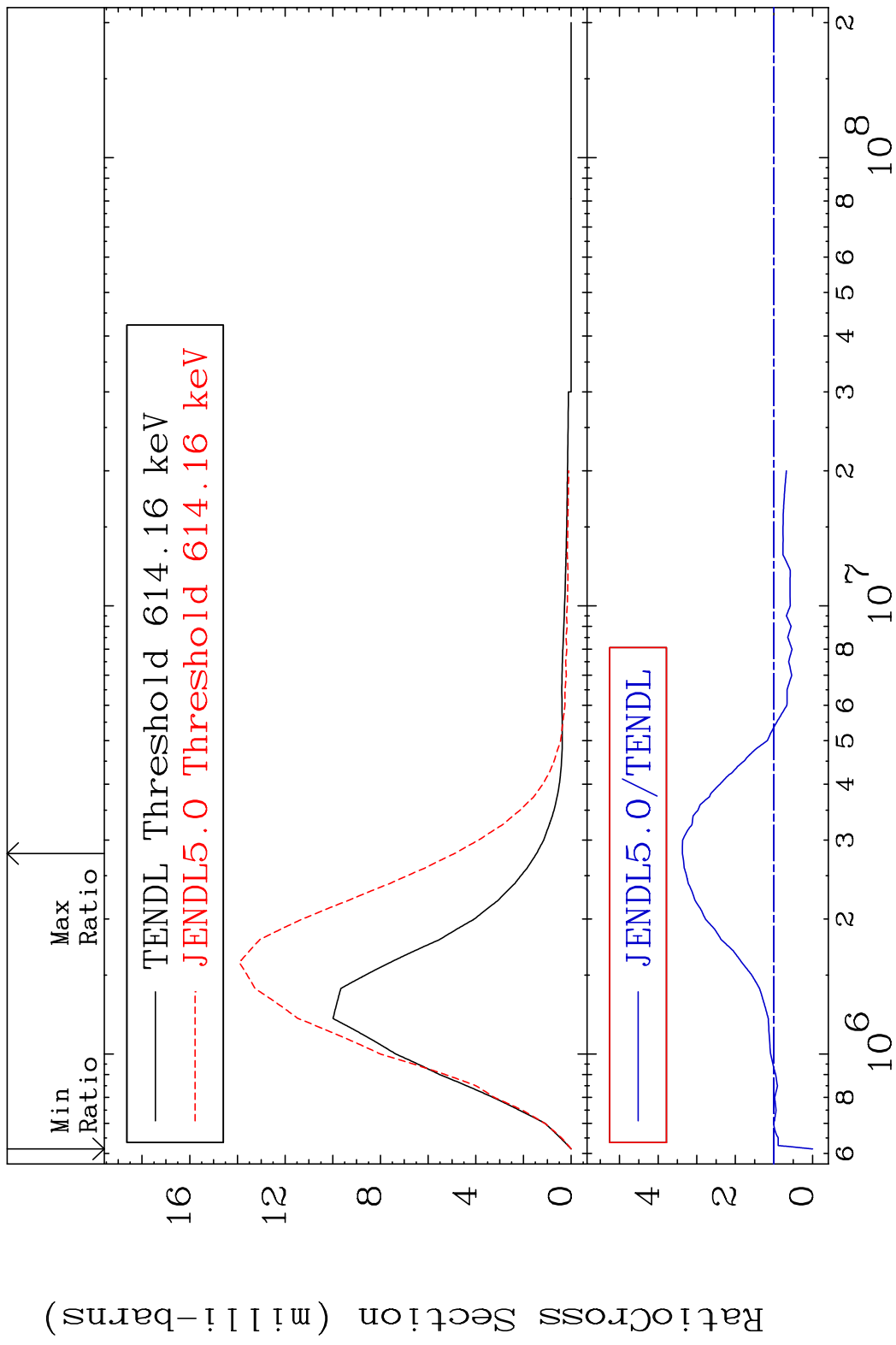


MAT 7040 MT= 62 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 304.6 %

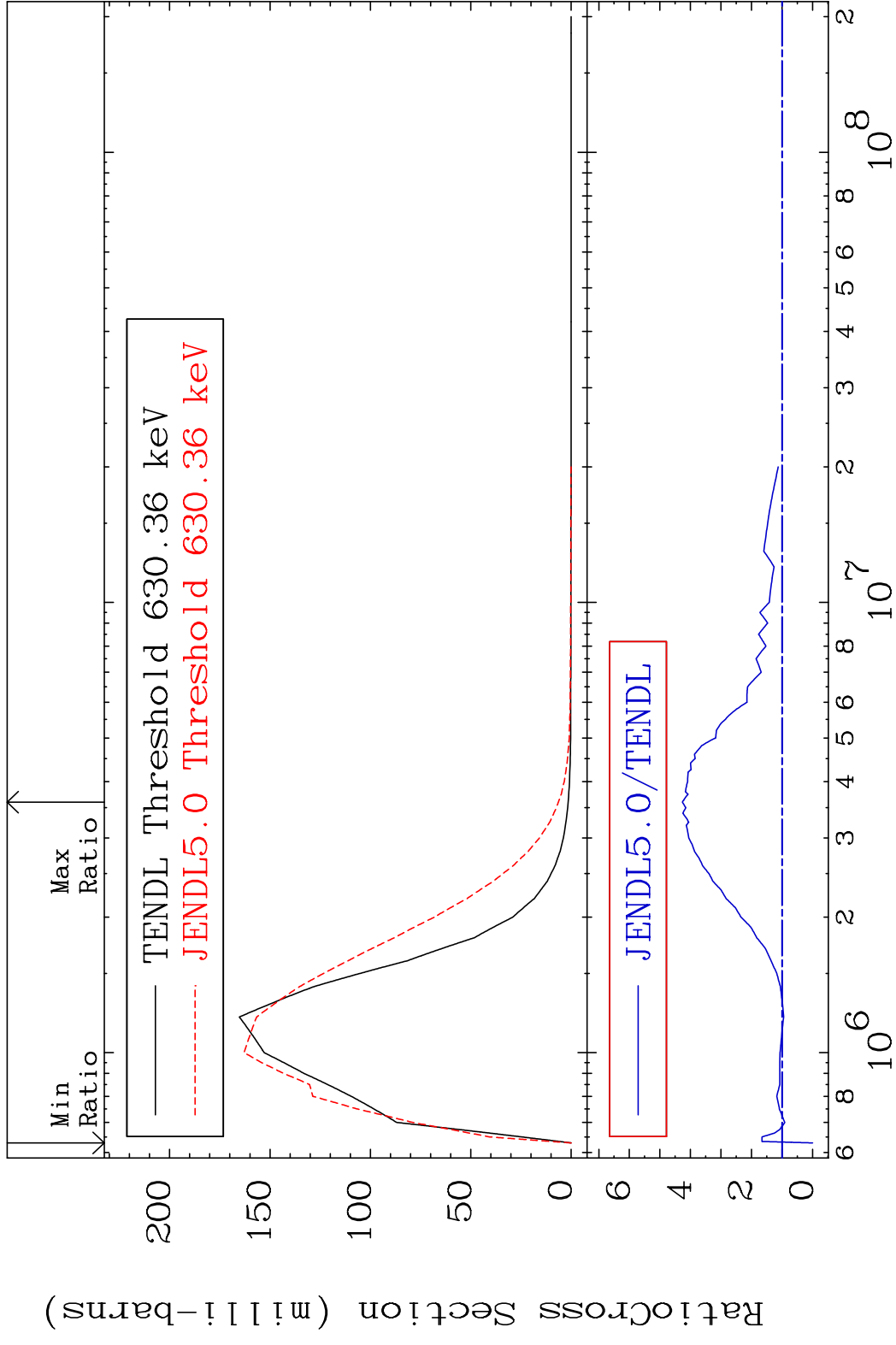


20 70-Yb-173

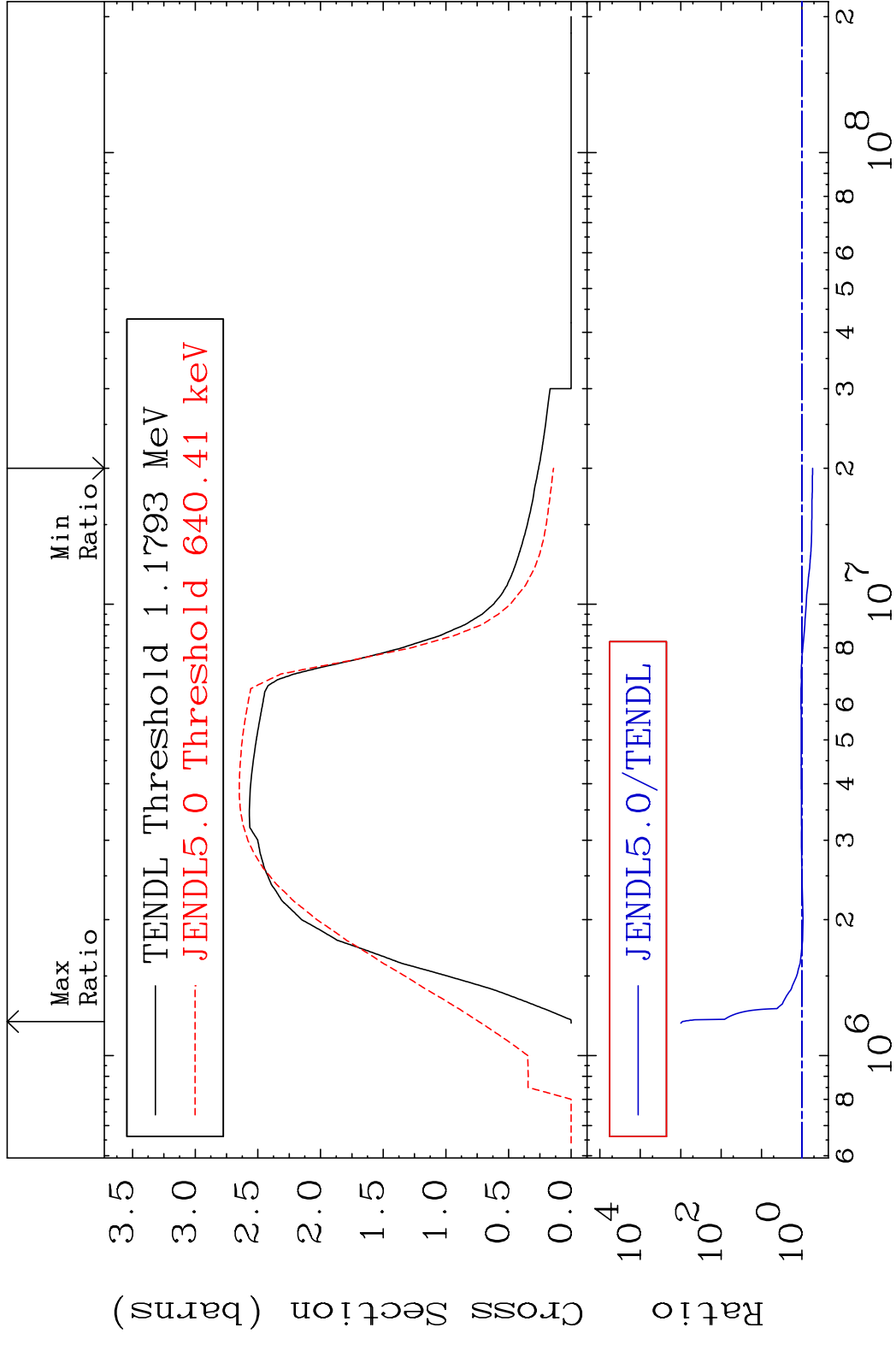
MAT 7040 MT= 63 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 237.2 %



MAT 7040 MT= 64 (n, n') Level 70-Yb-173
 Cross Section -100.0 To 326.4 %



MAT 7040 (n, n') Continuum 70-Yb-173
 Cross Section -45.49 To 9999. %

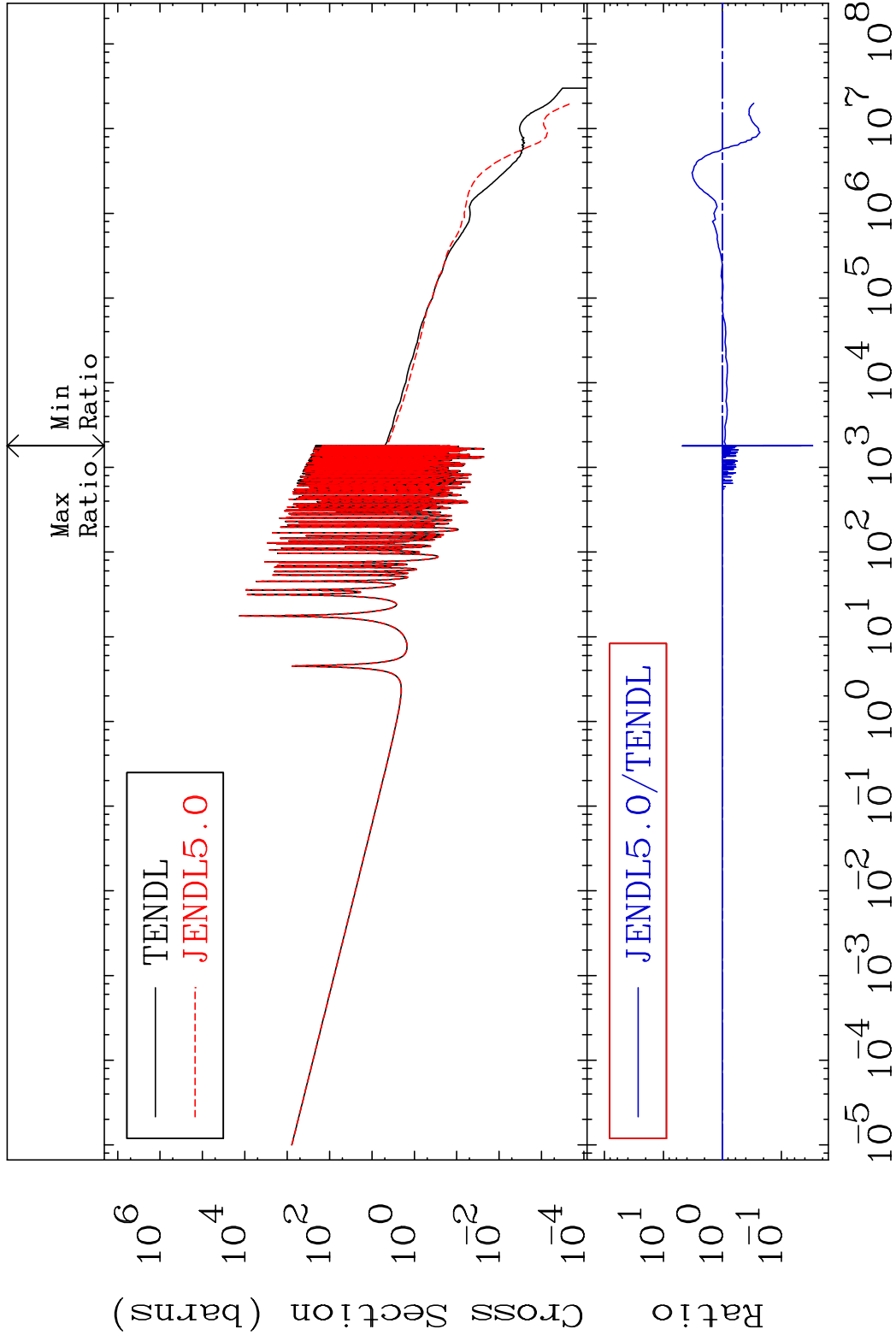


MAT 7040

(n, γ)

70-Yb-173

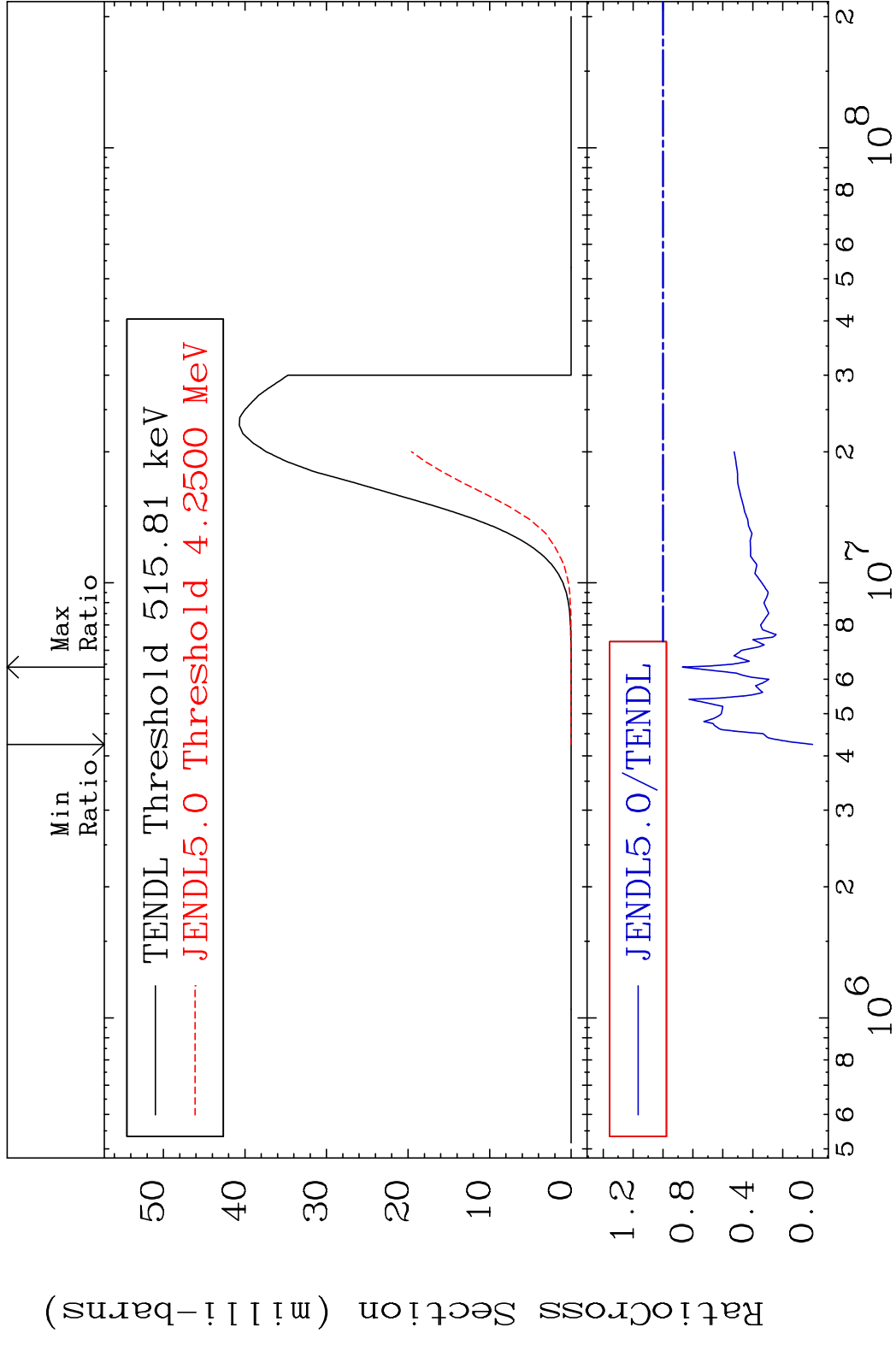
Cross Section -97.03 To 376.5 %



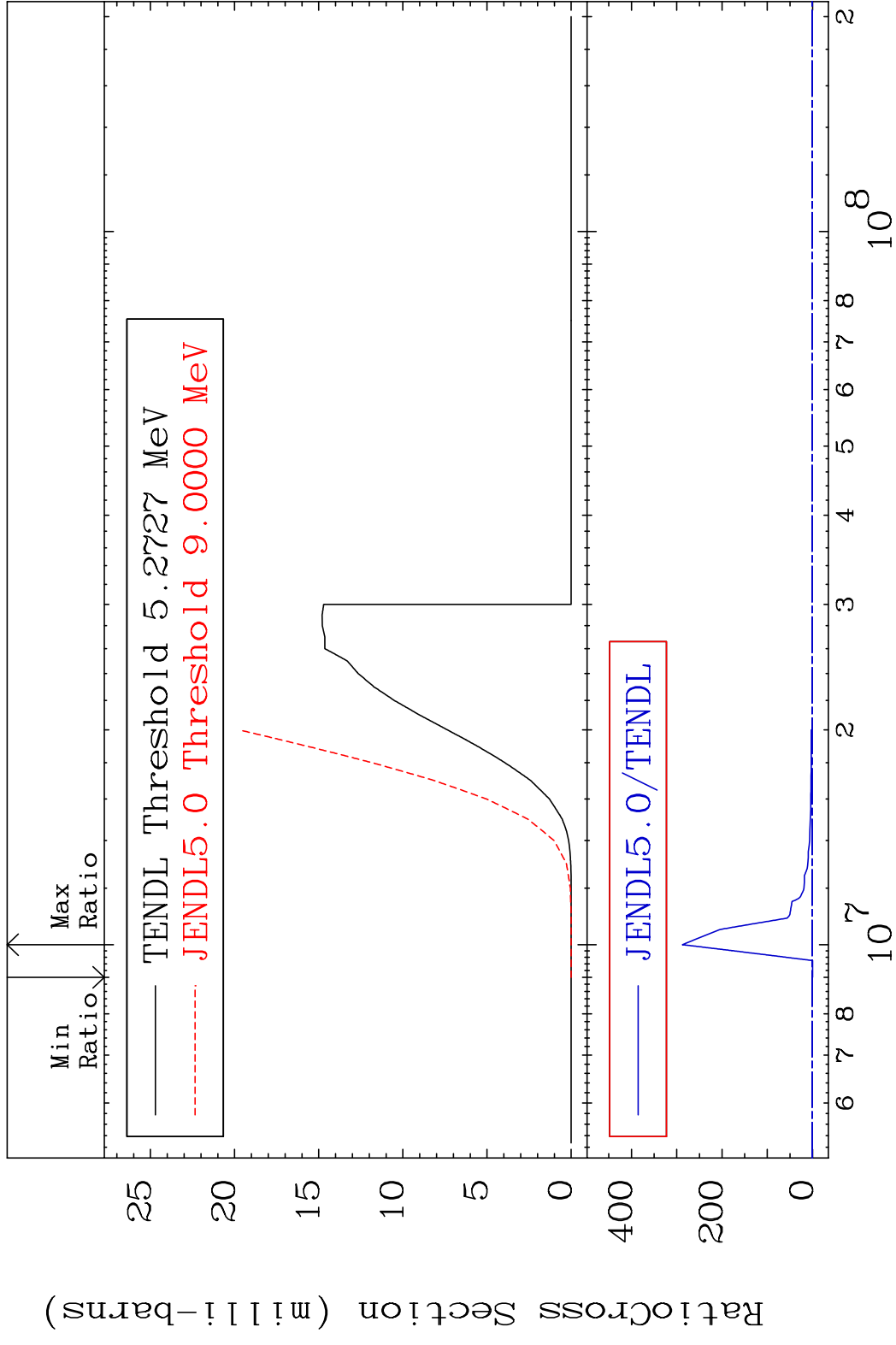
24

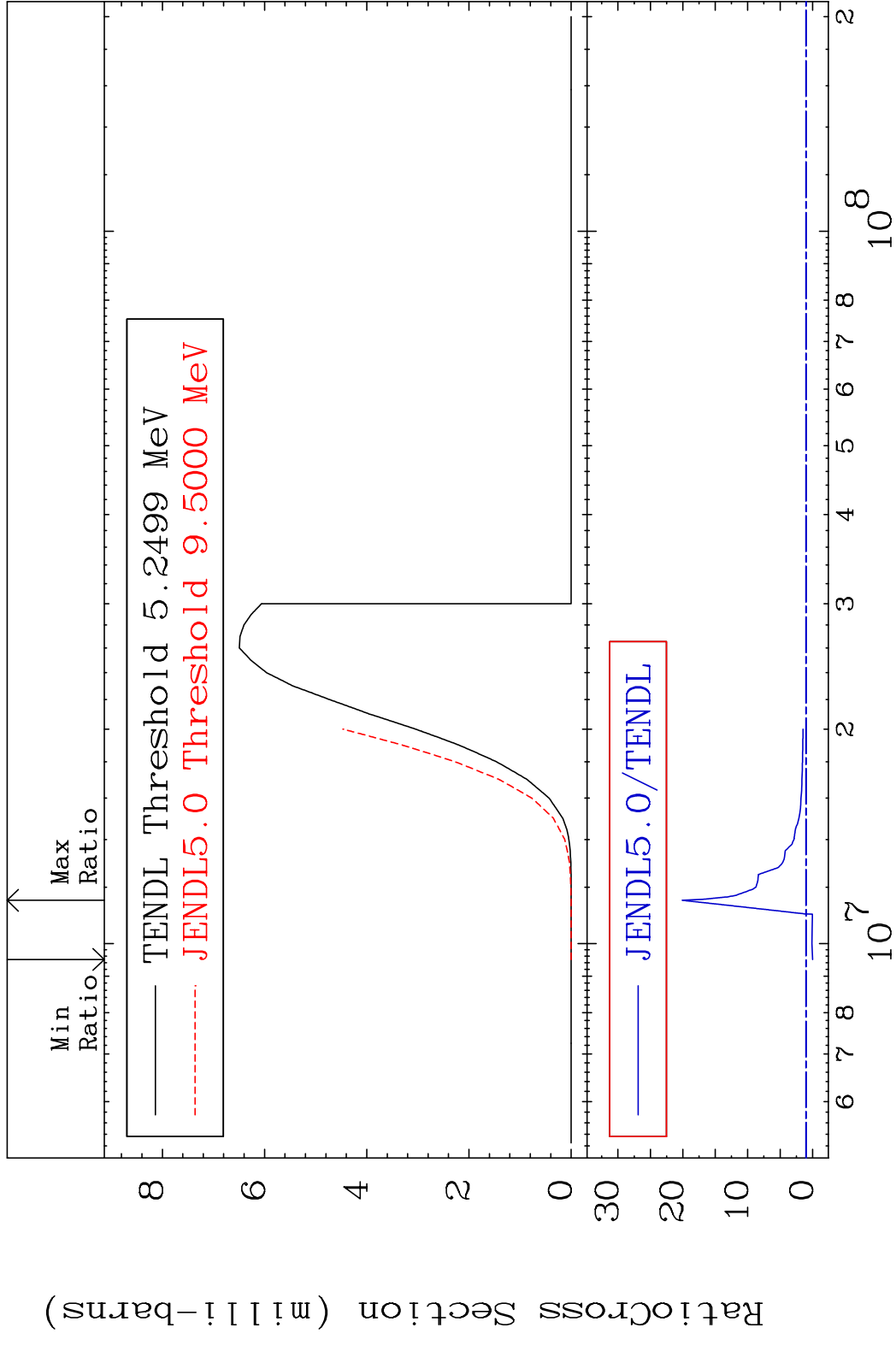
Incident Energy (eV)

70-Yb-173



MAT 7040 (n,d) 70-Yb-173
 Cross Section -100.0 To 9999. %



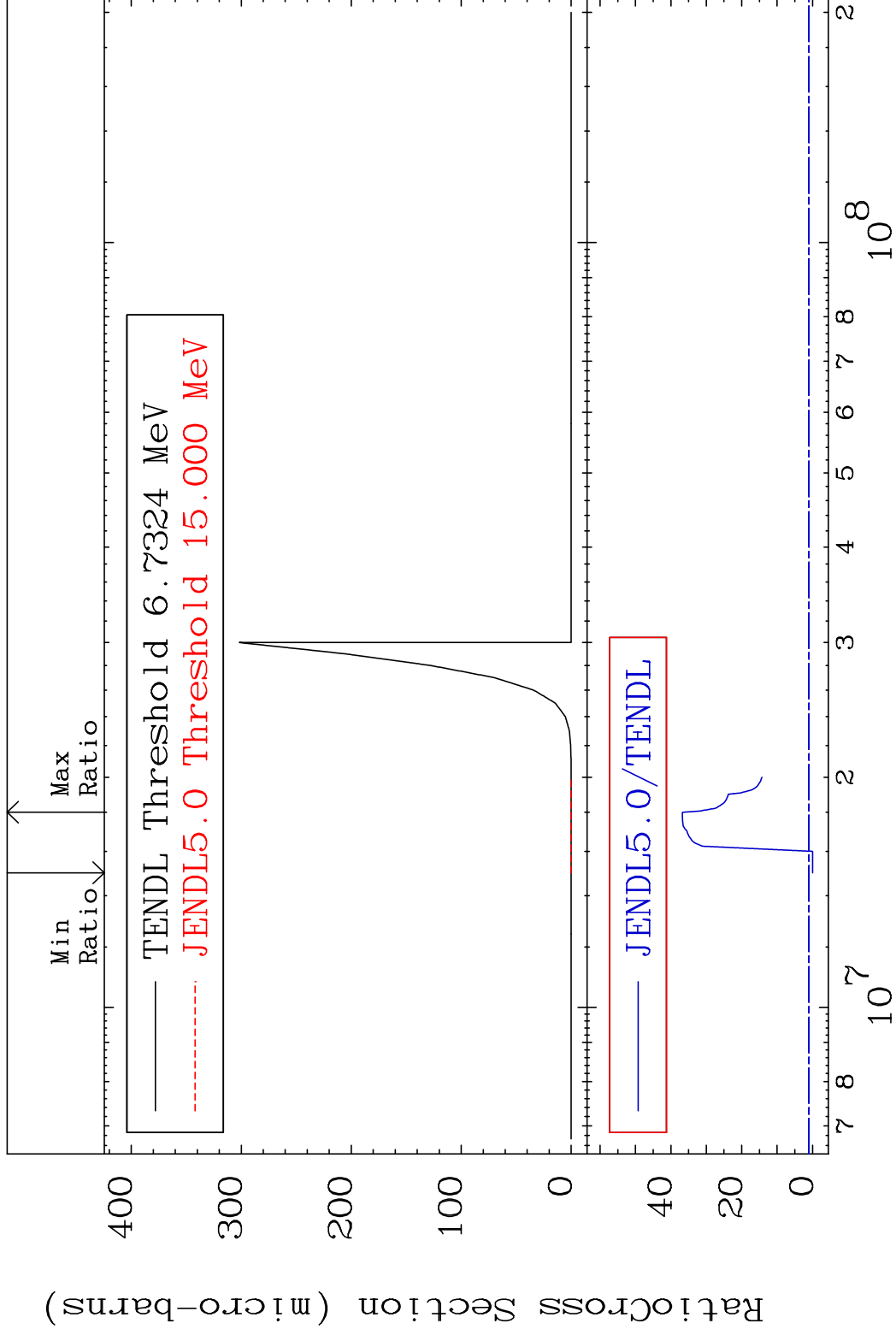


MAT 7040

(n, He-3)

70-Yb-173

Cross Section -100.0 To 3576. %



28

Incident Energy (eV)

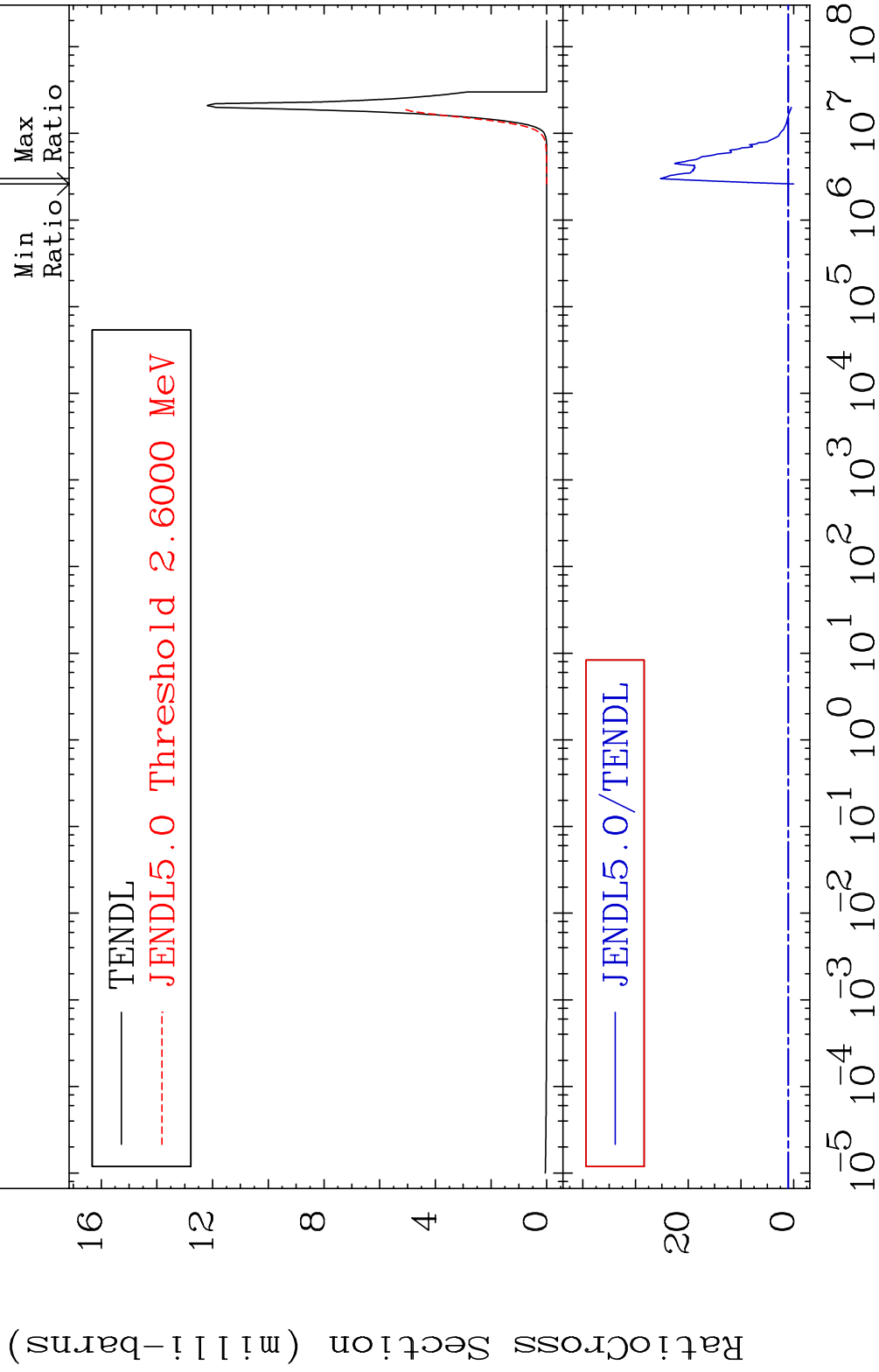
70-Yb-173

MAT 7040

(n, α)

70-Yb-173

Cross Section -100.0 To 2427. %

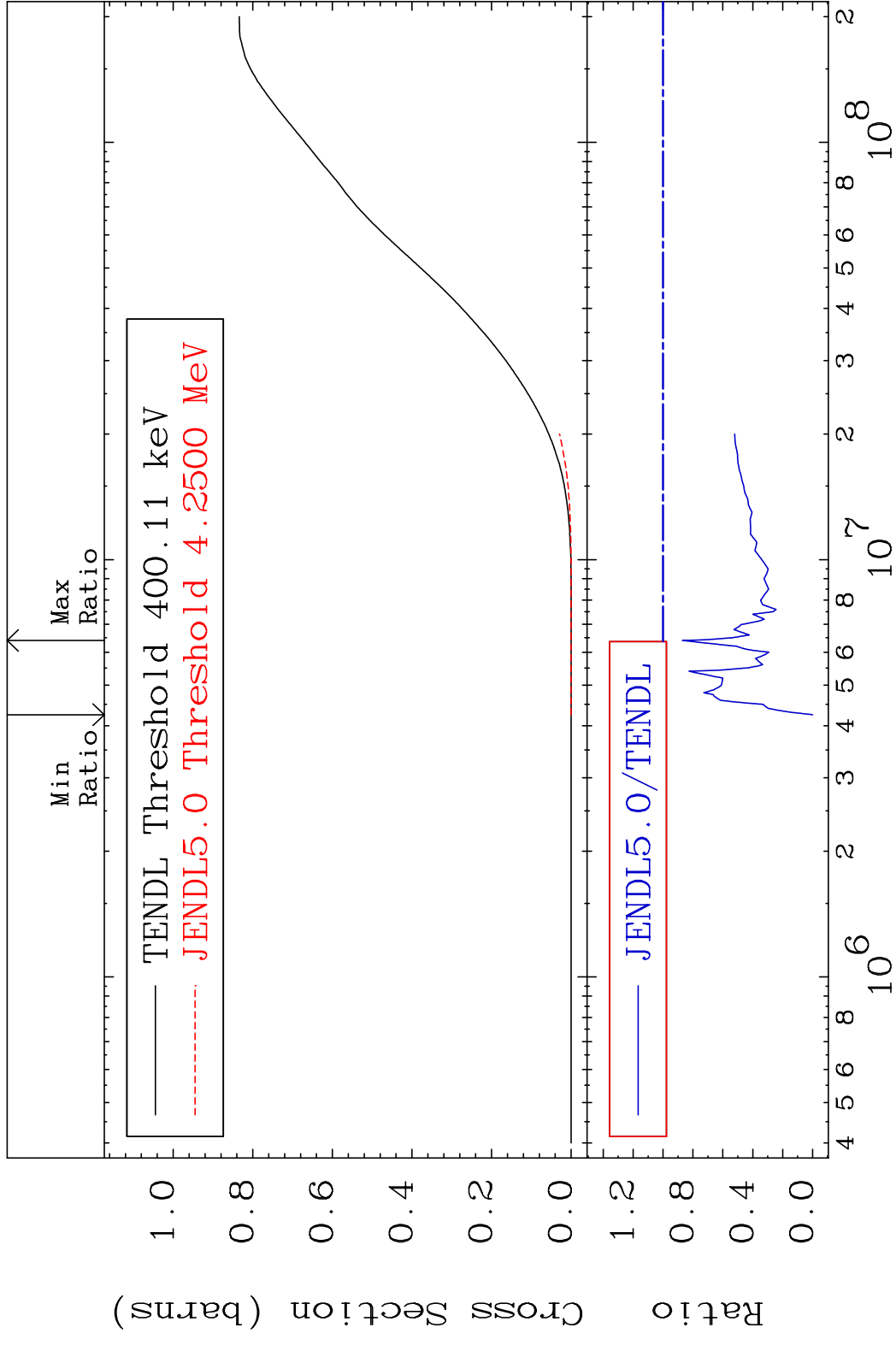


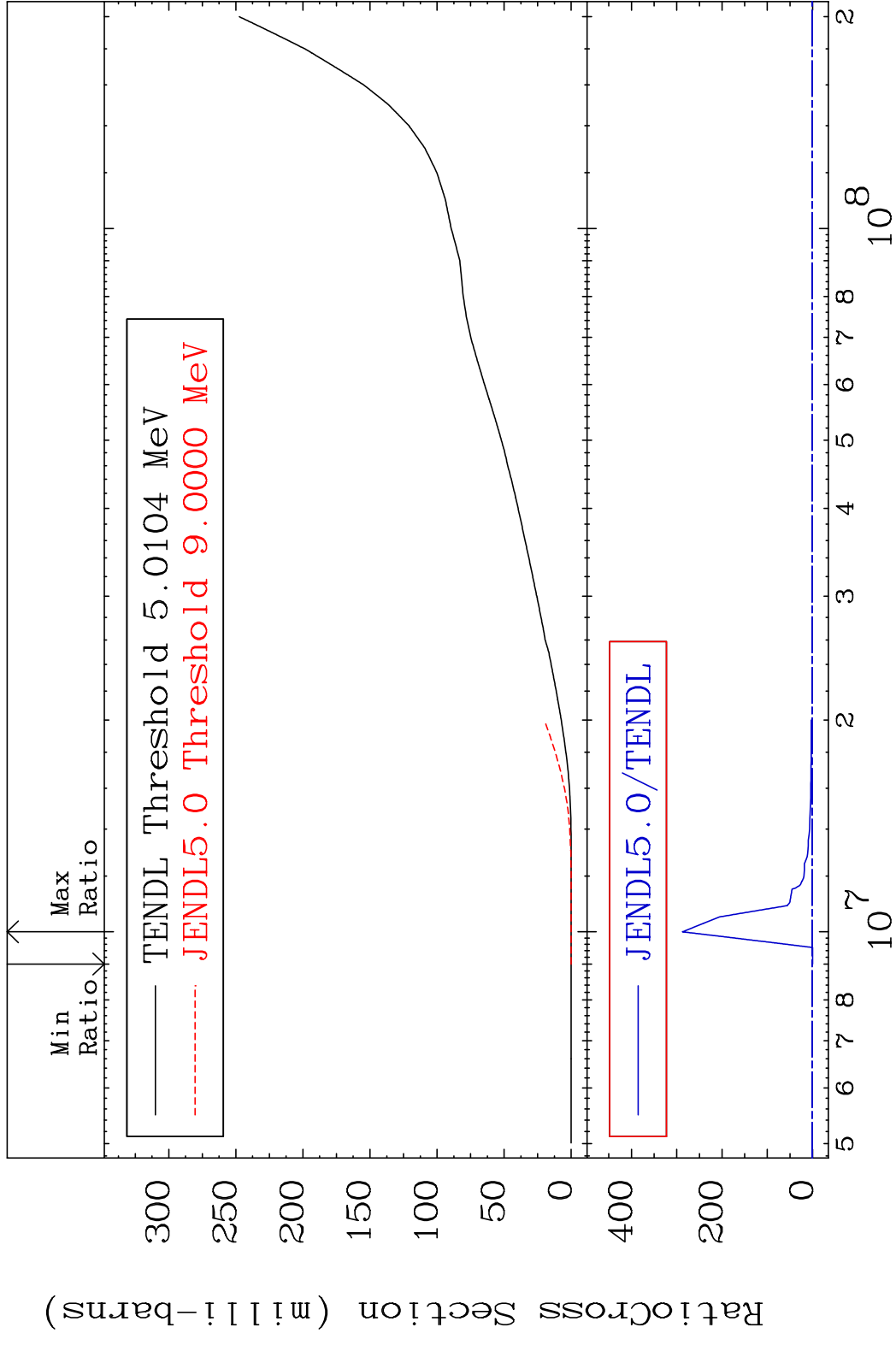
29

Incident Energy (eV)

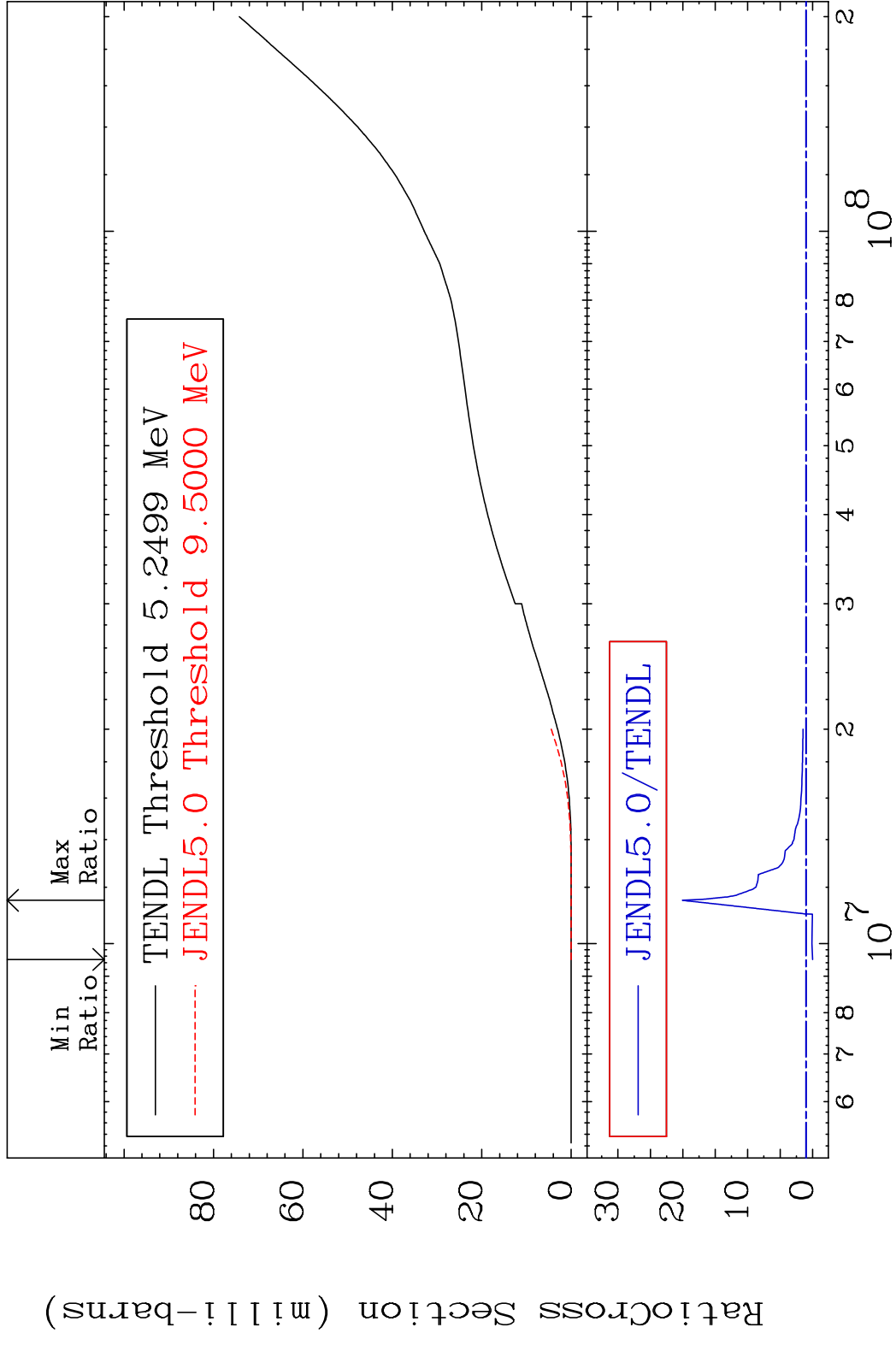
70-Yb-173

Cross Section -100.0 To -12.92%





MAT 7040 Tritium Production 70-Yb-173
 Cross Section -100.0 To 1907. %

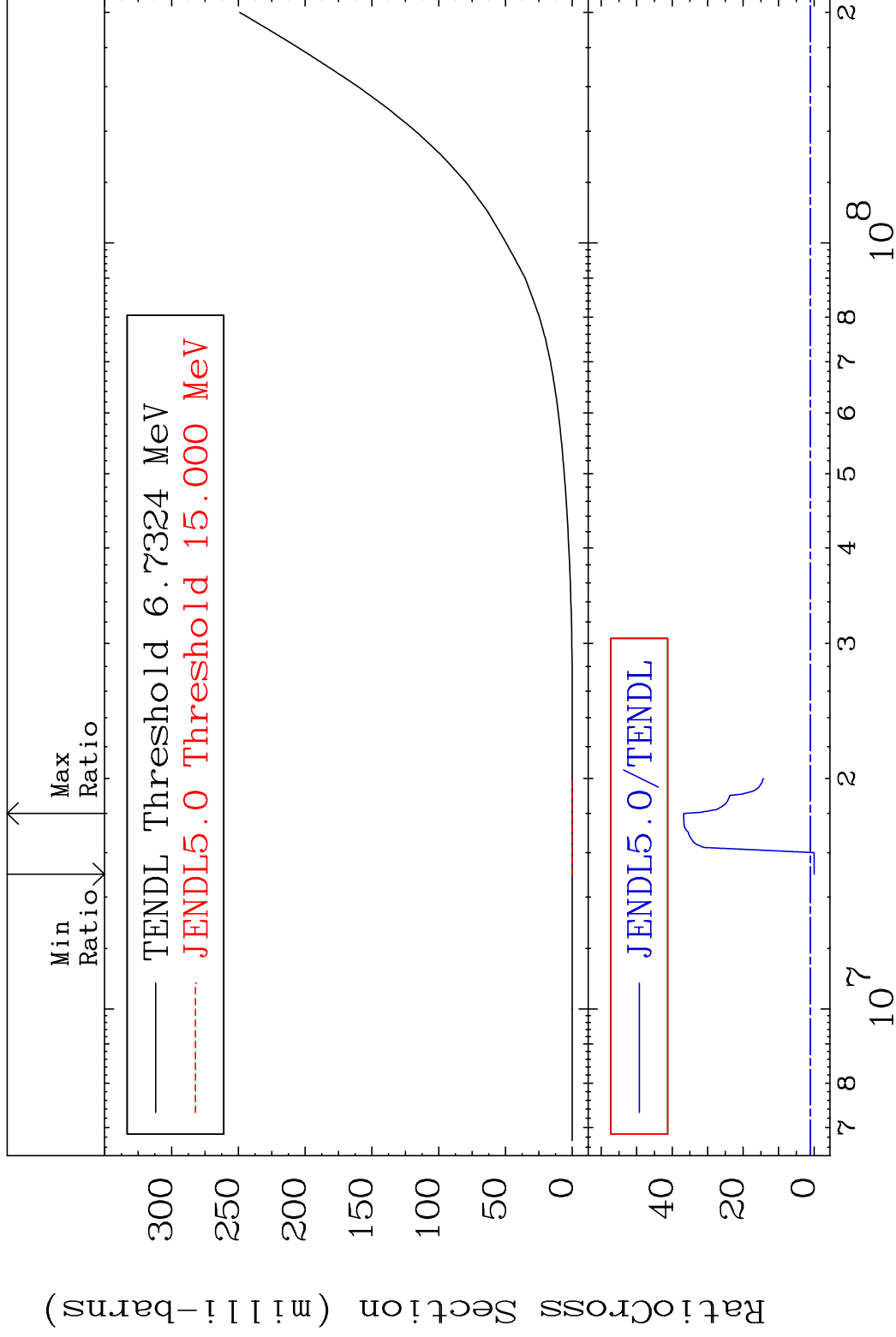


MAT 7040

He-3 Production

70-Yb-173

Cross Section -100.0 To 3576. %



33

Incident Energy (eV)

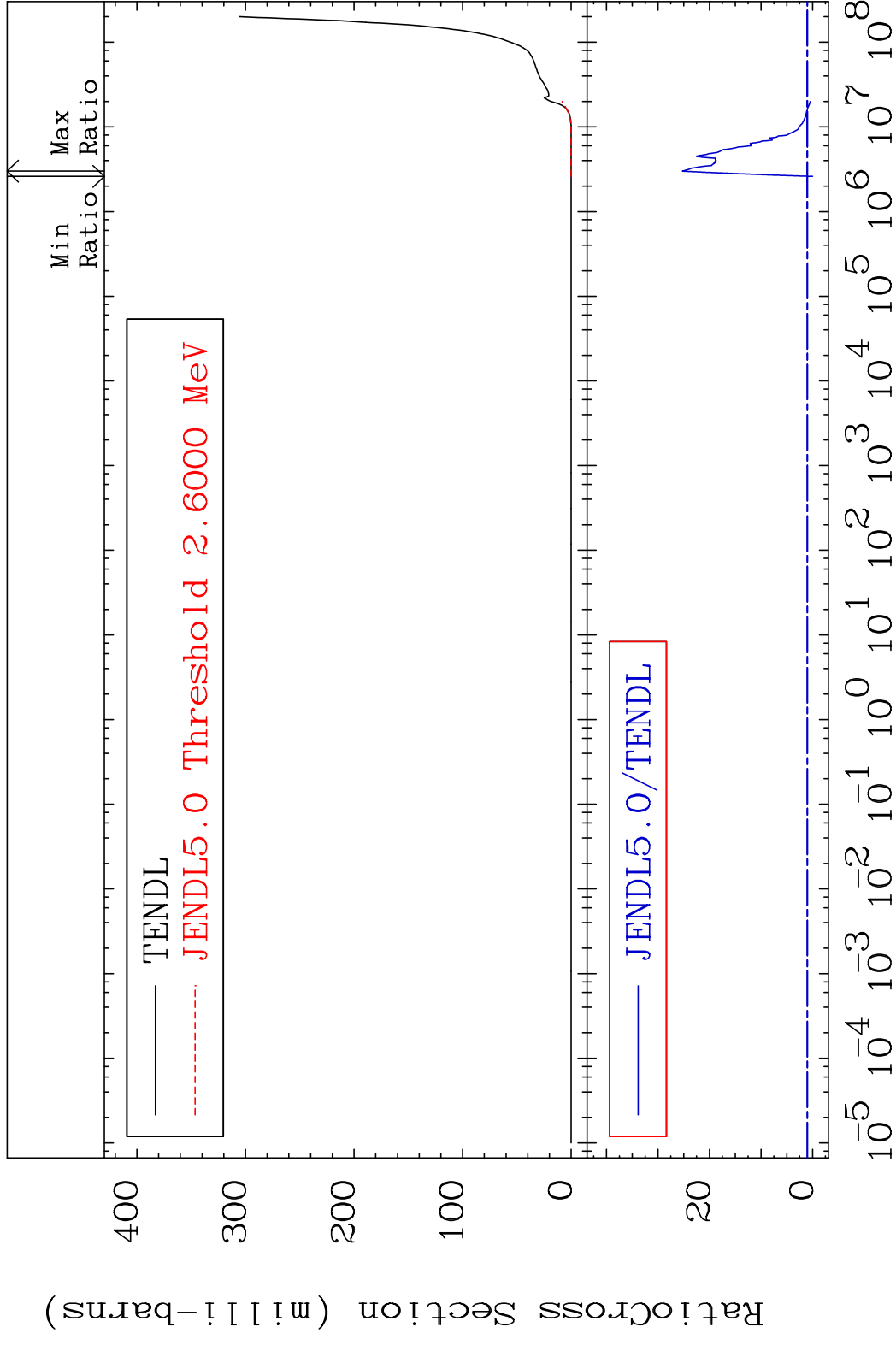
70-Yb-173

MAT 7040

He-4 Production

70-Yb-173

Cross Section -100.0 To 2427. %

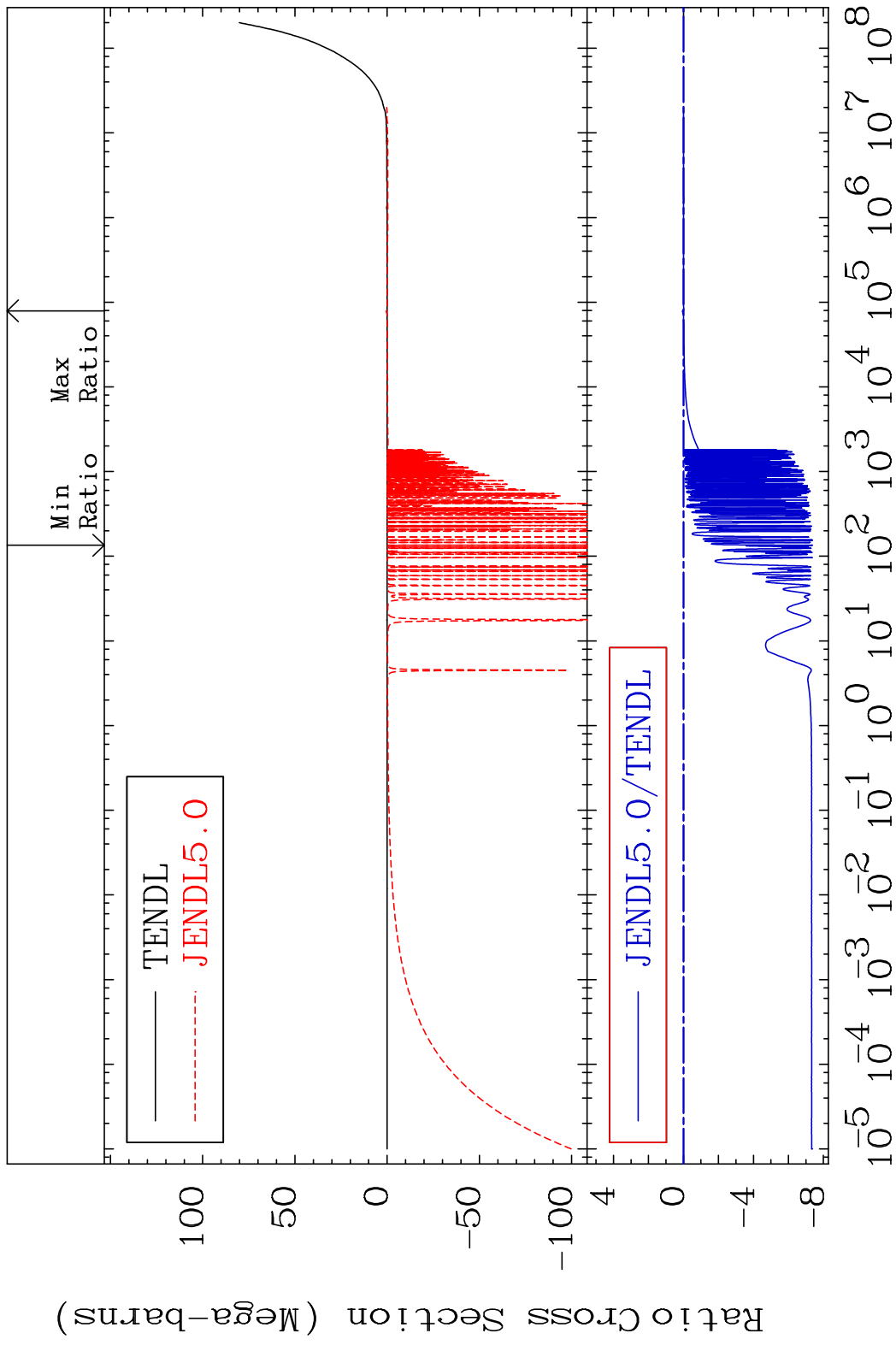


34

Incident Energy (eV)

70-Yb-173

MAT 7040 Kerma total (eV-barns) 70-Yb-173
 Cross Section -9999. To 6284. %

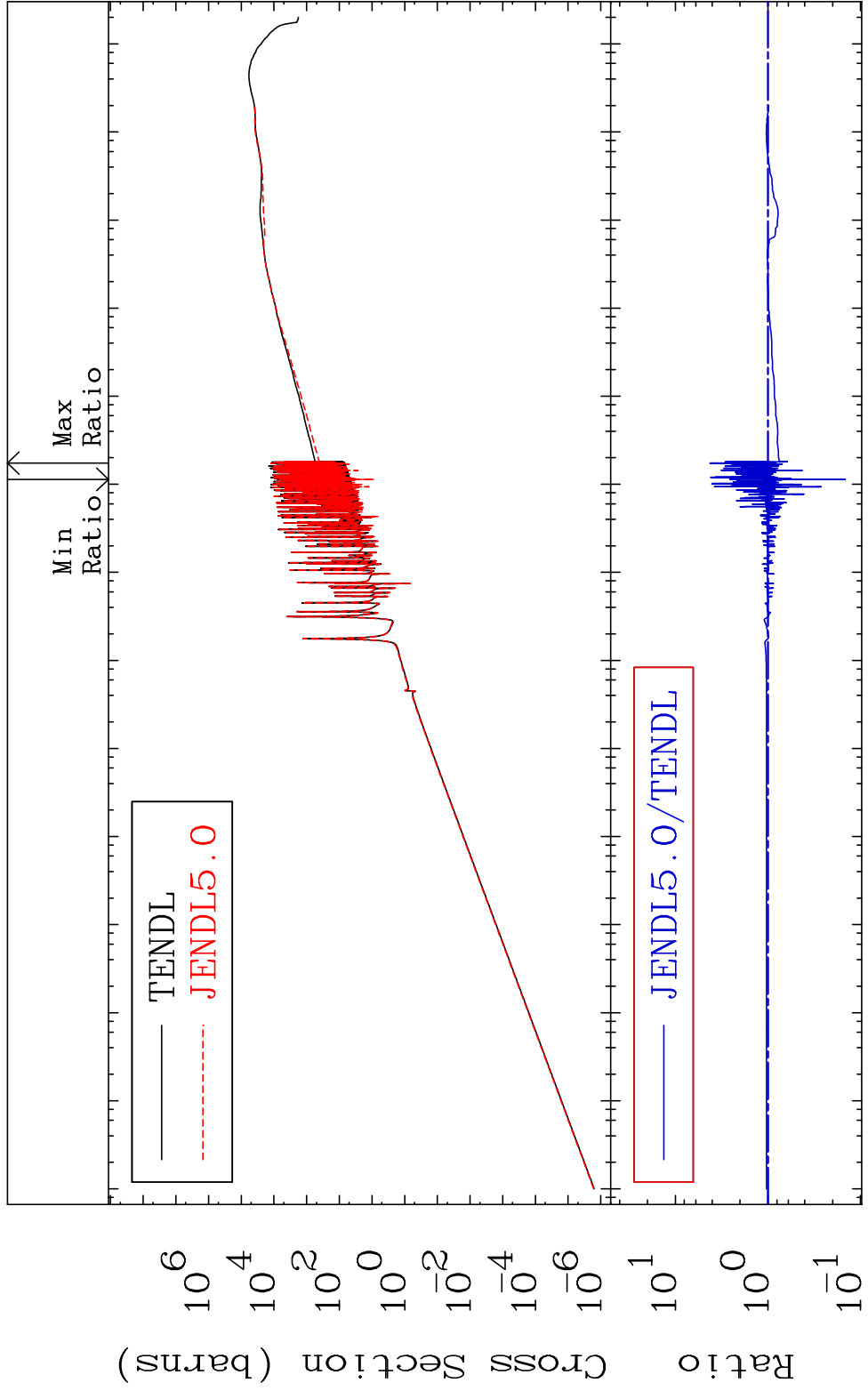


35 Incident Energy (eV) 70-Yb-173

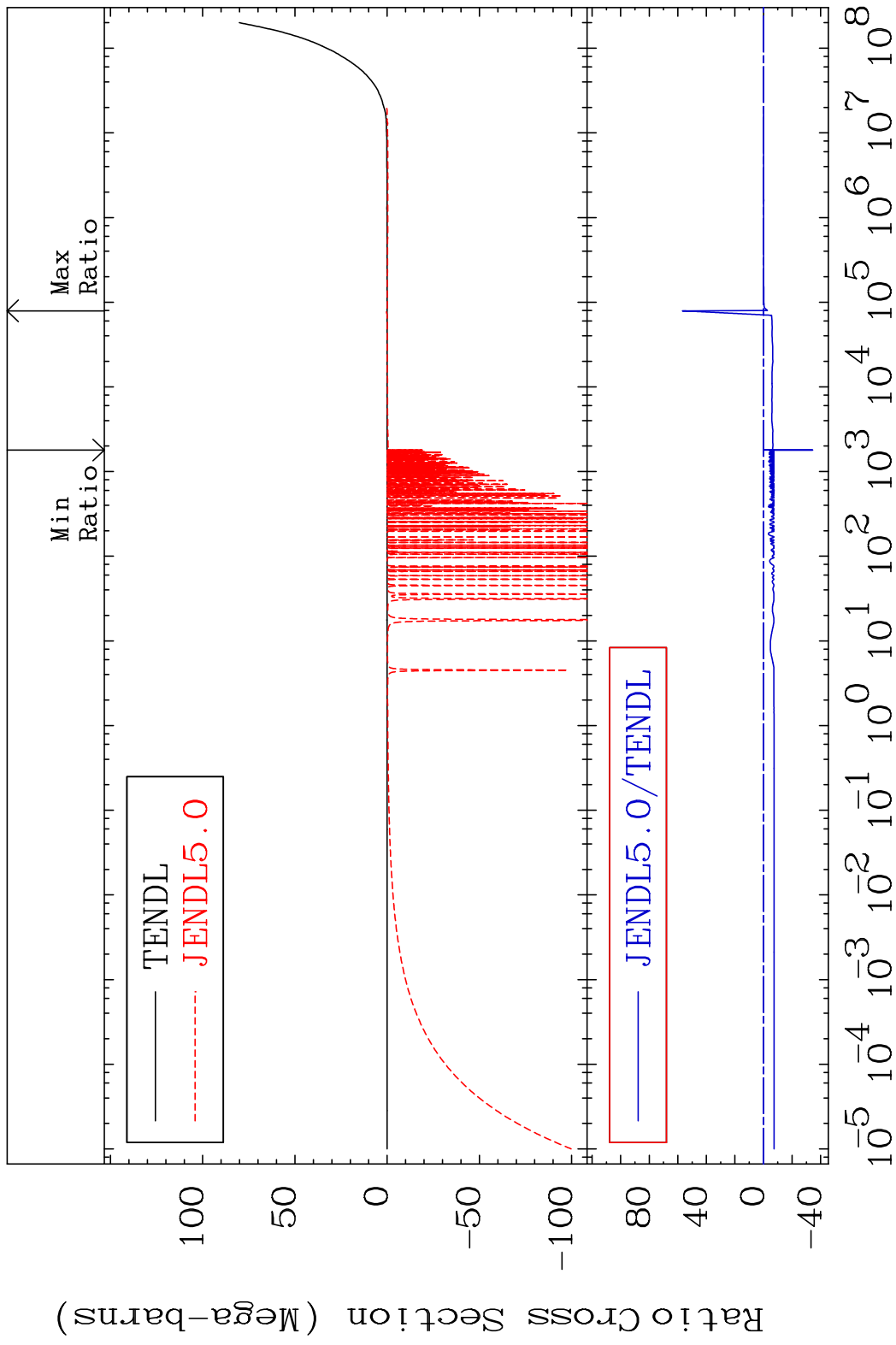
MAT 7040

Kerma elastic
Cross Section

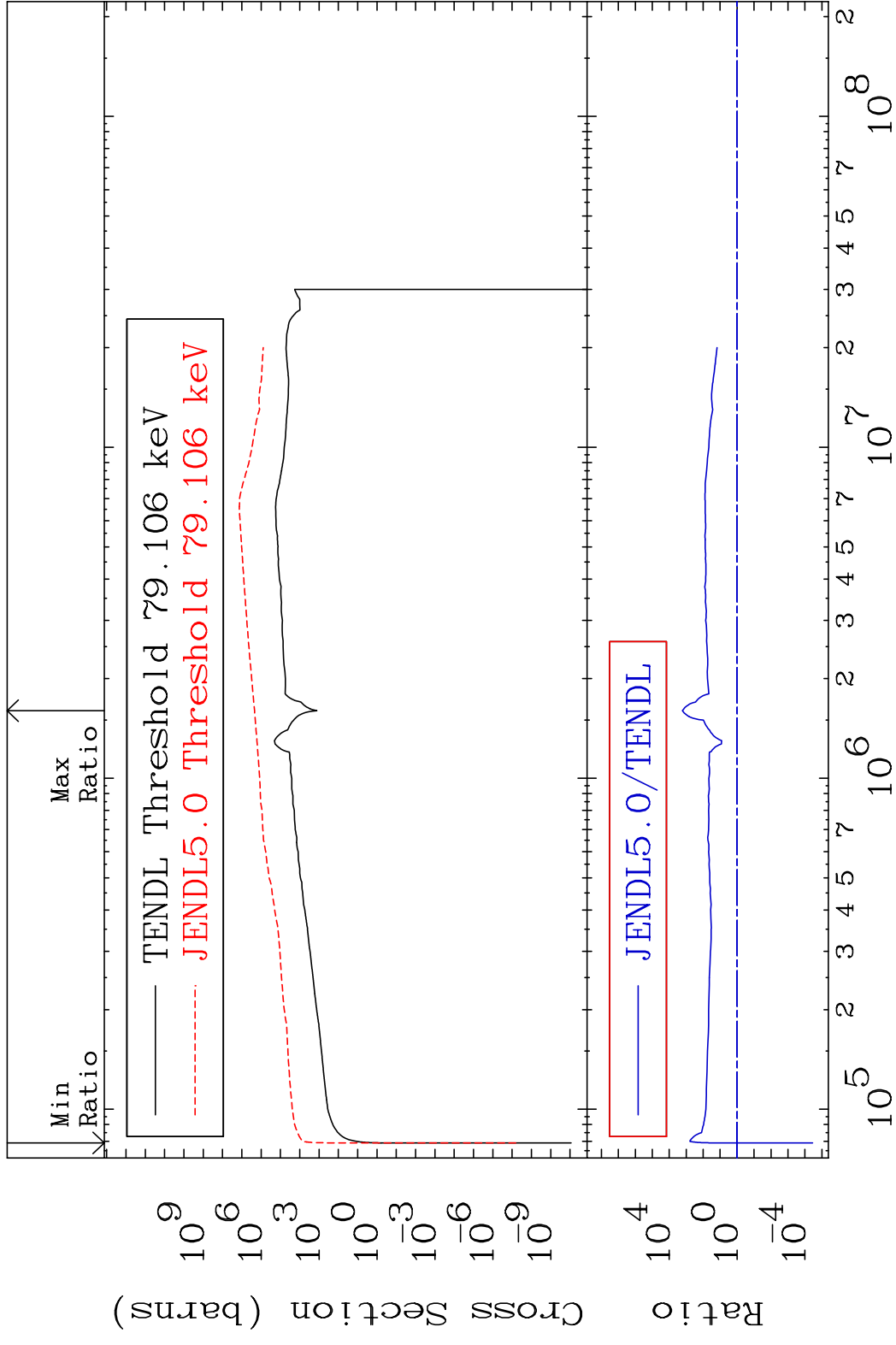
70-Yb-173
-85.38 To 324.4 %



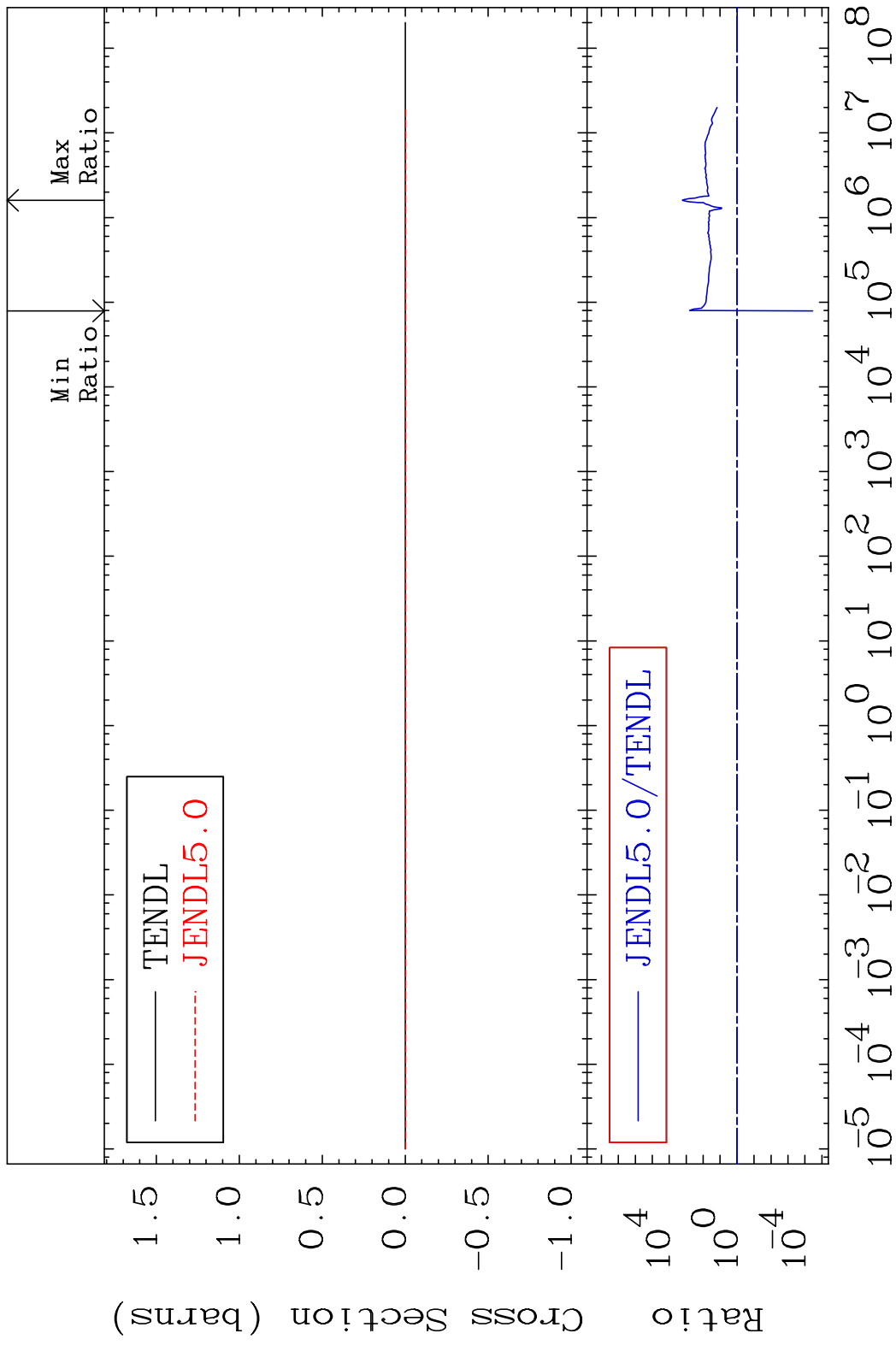
MAT 7040 Kerma non-elastic (all but mt2) 70-Yb-173
Cross Section -9999. To 9999. %



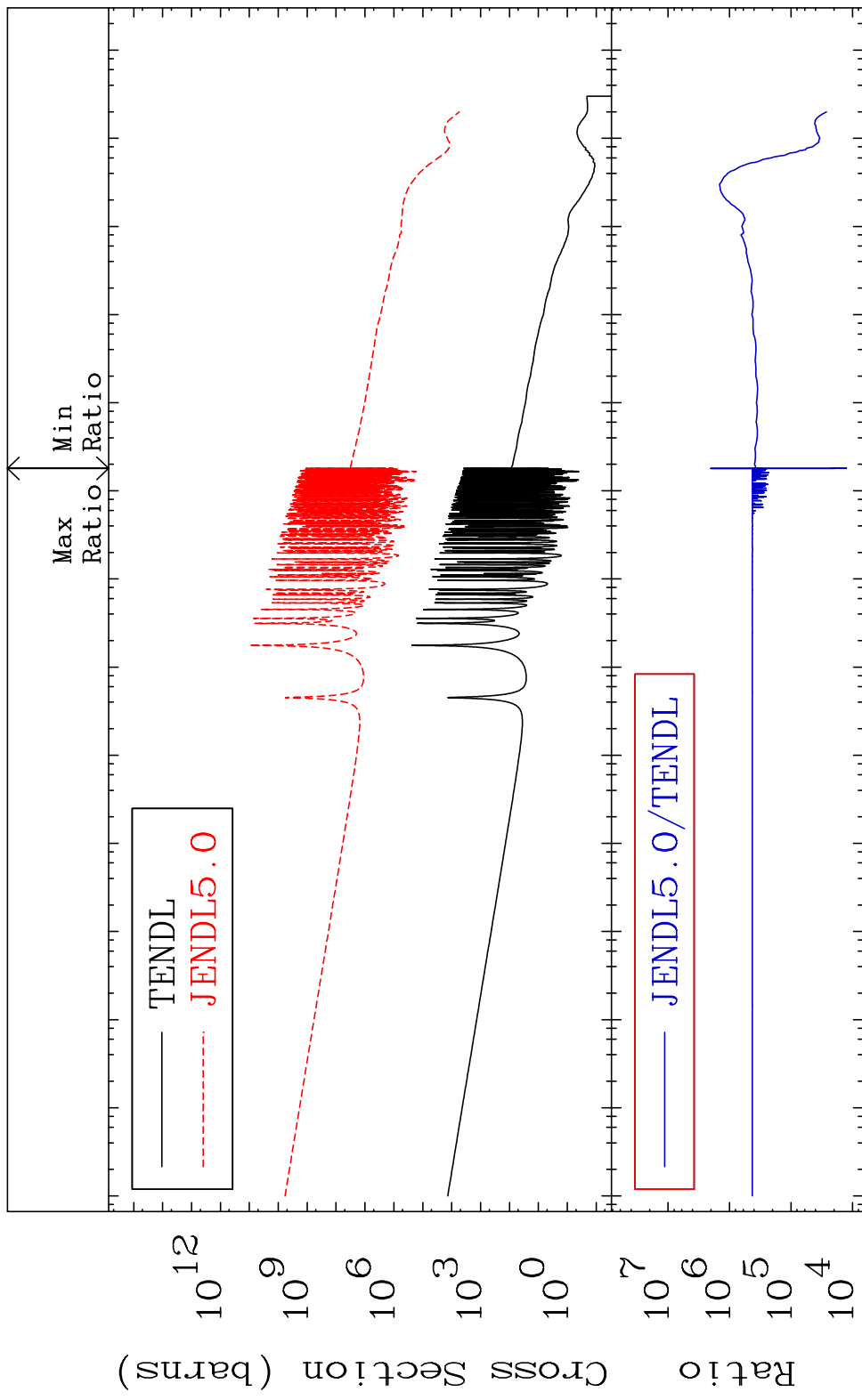
MAT 7040 Kerma inelastic (mt51-91) 70-Yb-173
 Cross Section -100.0 To 9999. %



MAT 7040 Kerma fission (mt18 or mt19-20-21-38)70-Yb-173
 Cross Section -100.0 To 9999. %

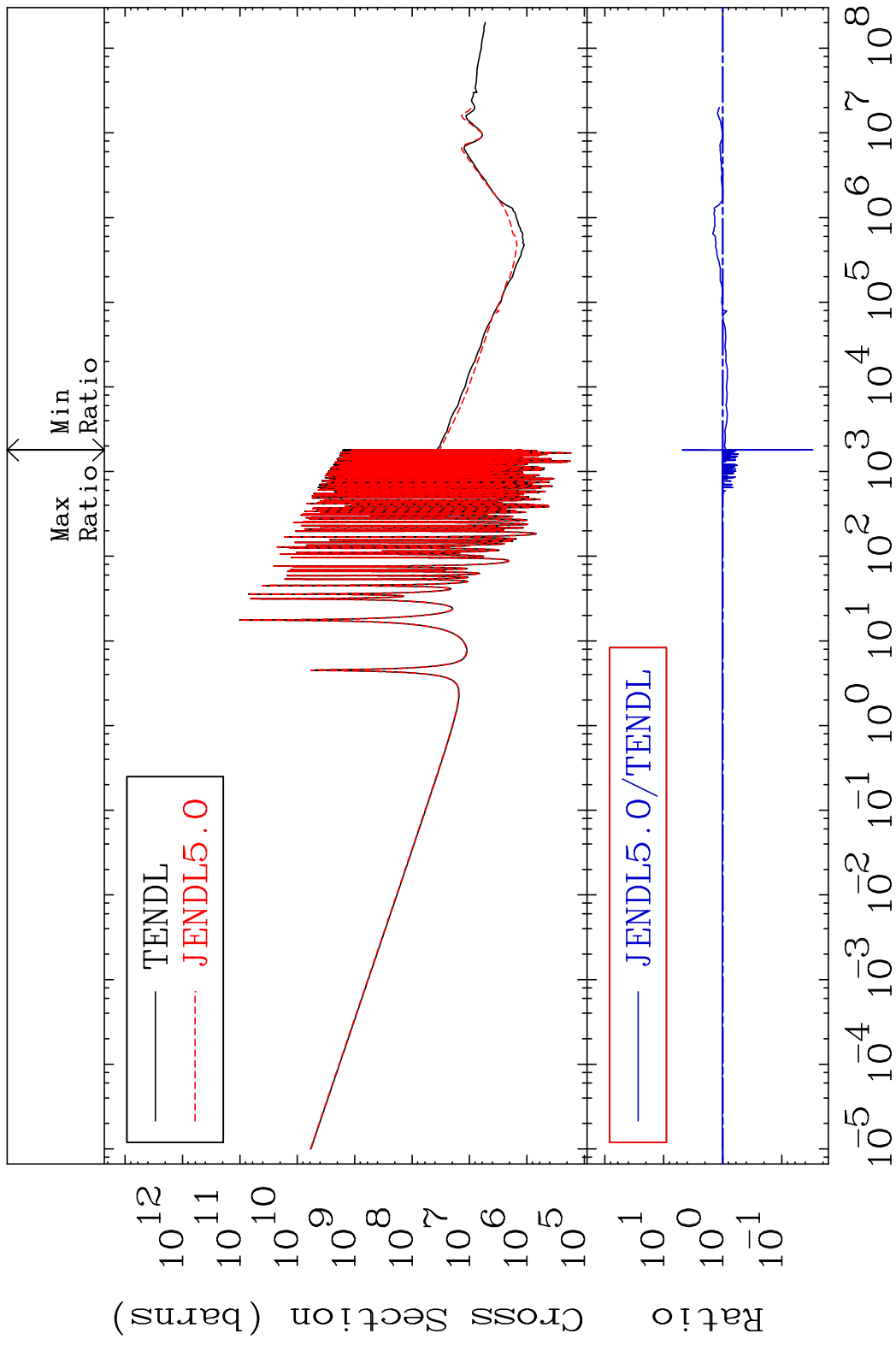


MAT 7040 Kerma capture (mt102) 70-Yb-173
 Cross Section 9999. To 9999. %



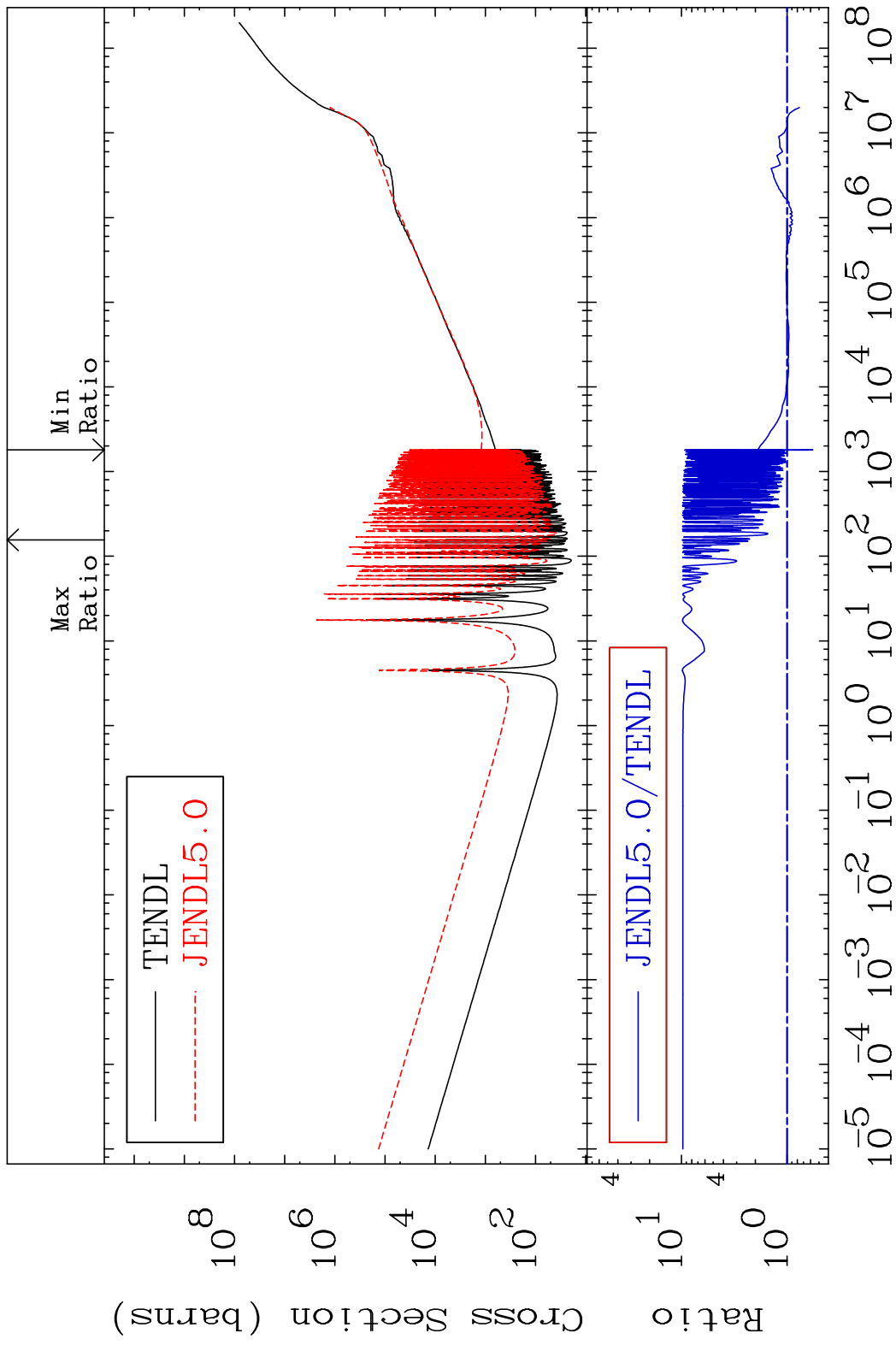
40 Incident Energy (eV) 70-Yb-173

MAT 7040 Total photon (eV-barns) 70-Yb-173
 Cross Section -96.98 To 384.6 %

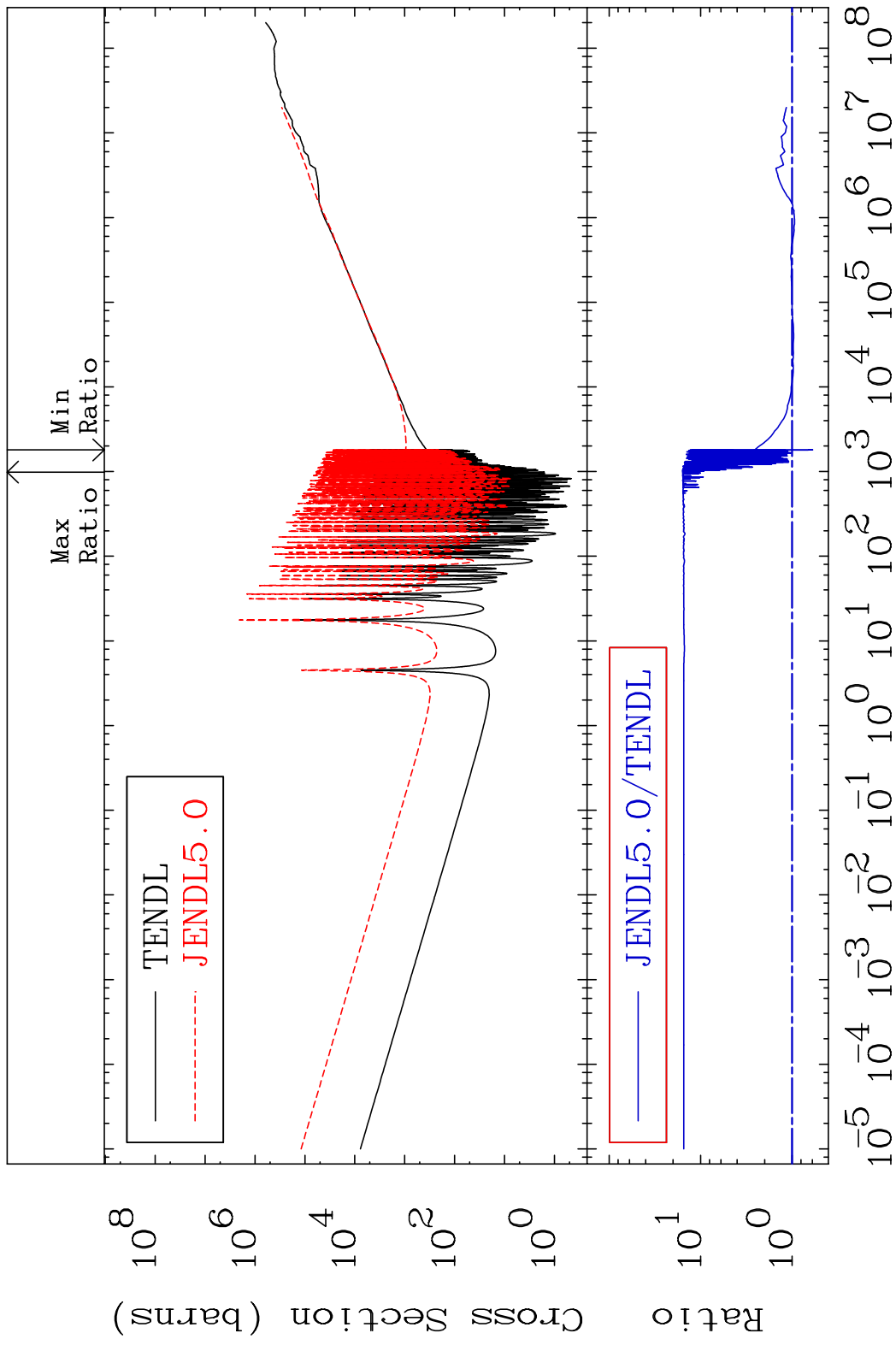


41 Incident Energy (eV) 70-Yb-173

MAT 7040 Total kinematic kerma (high limit) 70-Yb-173
 Cross Section -42.56 To 880.9 %



MAT 7040 Dpa total (eV-barns) 70-Yb-173
 Cross Section -40.10 To 1485. %



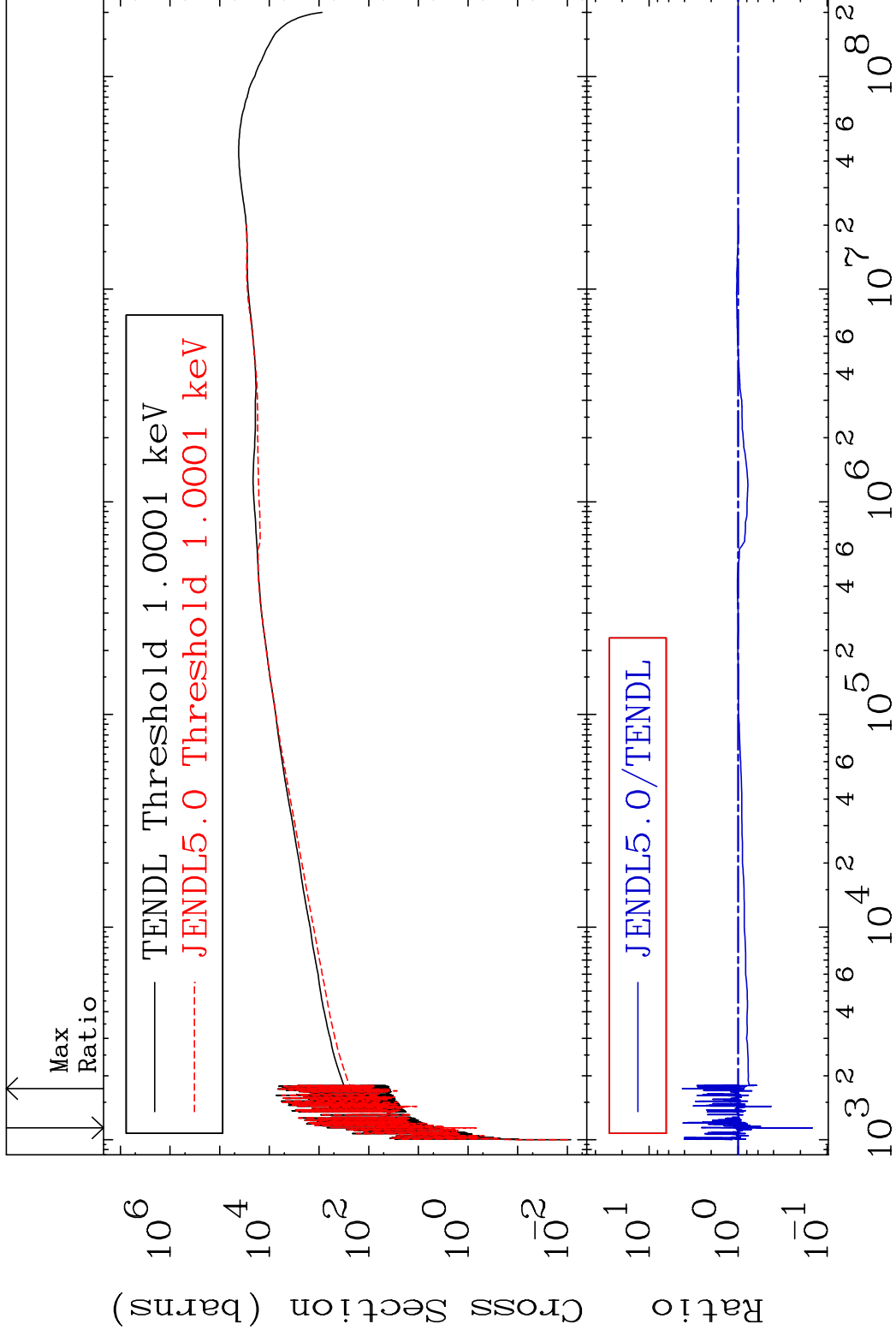
43 Incident Energy (eV) 70-Yb-173

MAT 7040

Dpa elastic (mt2)

70-Yb-173

Cross Section -85.37 To 324.5 %

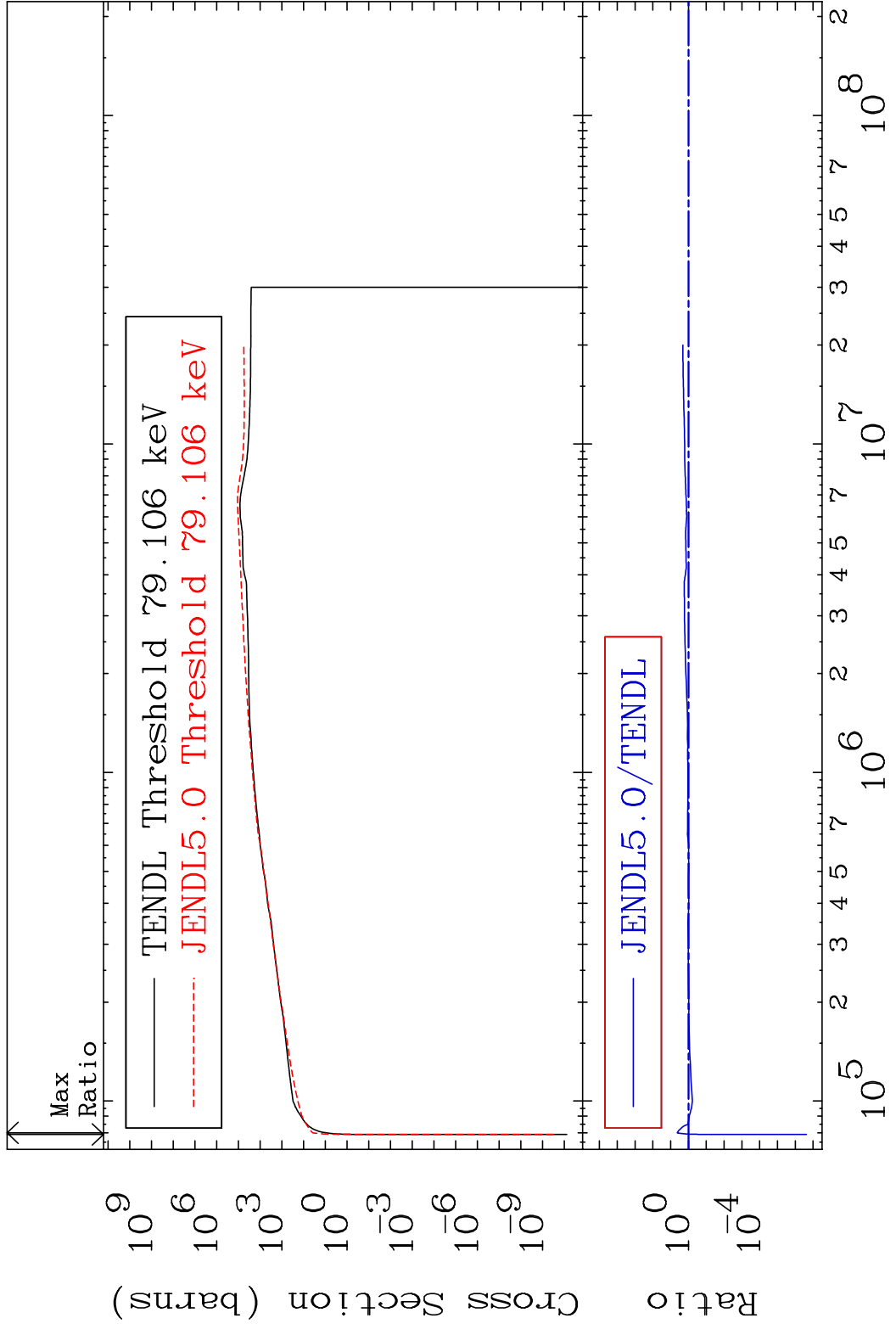


44

Incident Energy (eV)

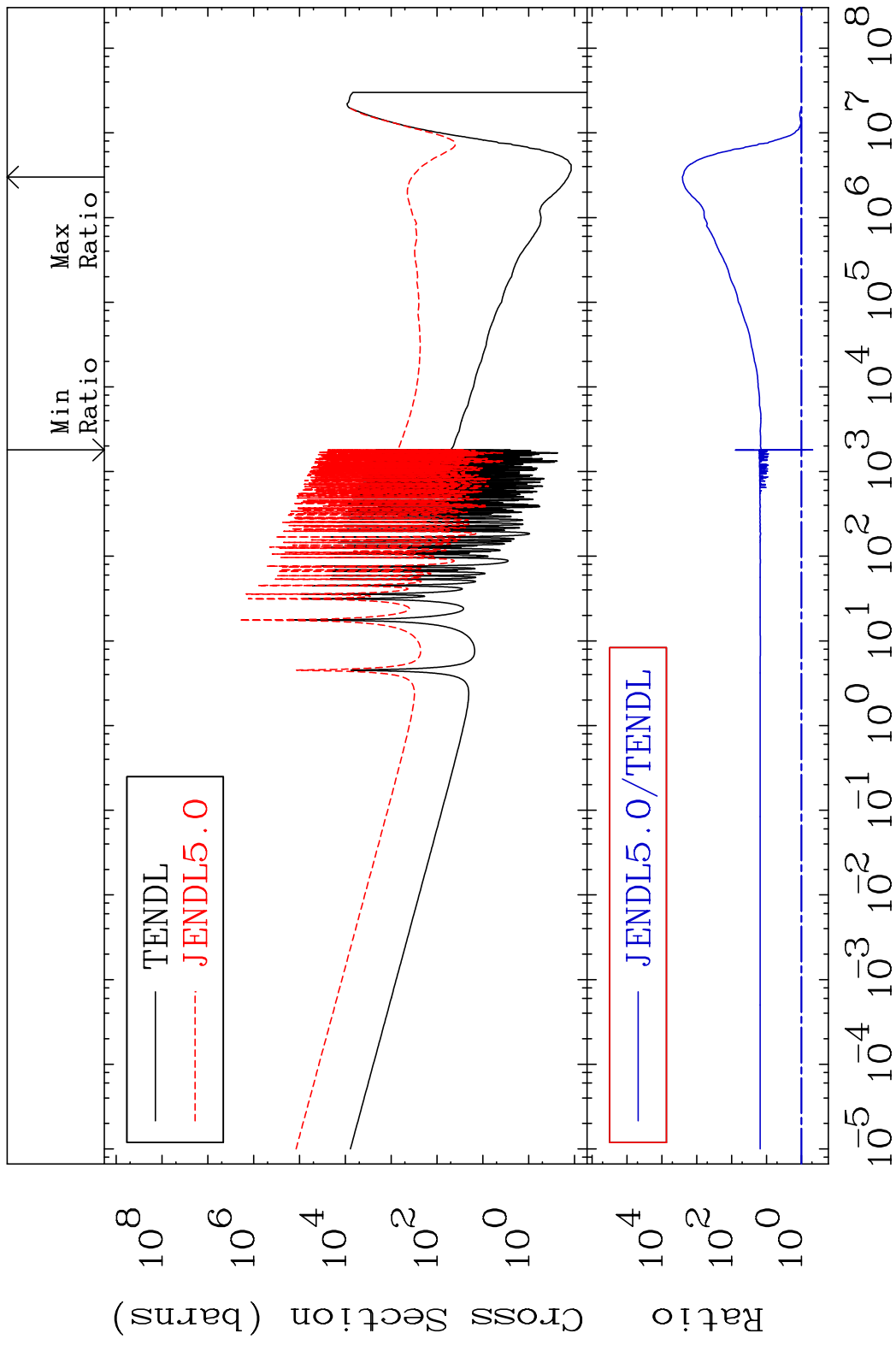
70-Yb-173

MAT 7040 Dpa inelastic (mt51-91) 70-Yb-173
Cross Section -100.0 To 328.2 %

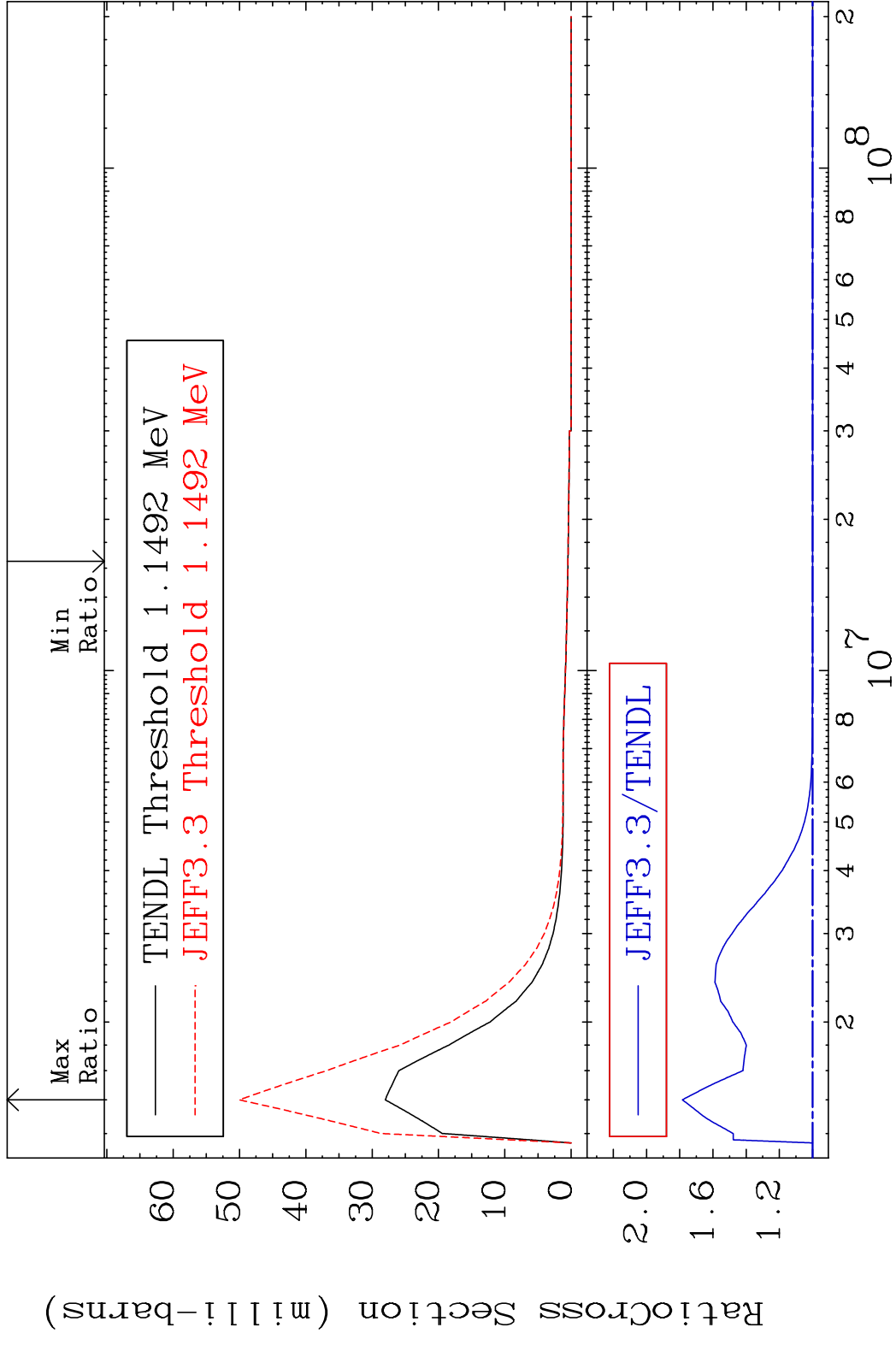


45 Incident Energy (eV) 70-Yb-173

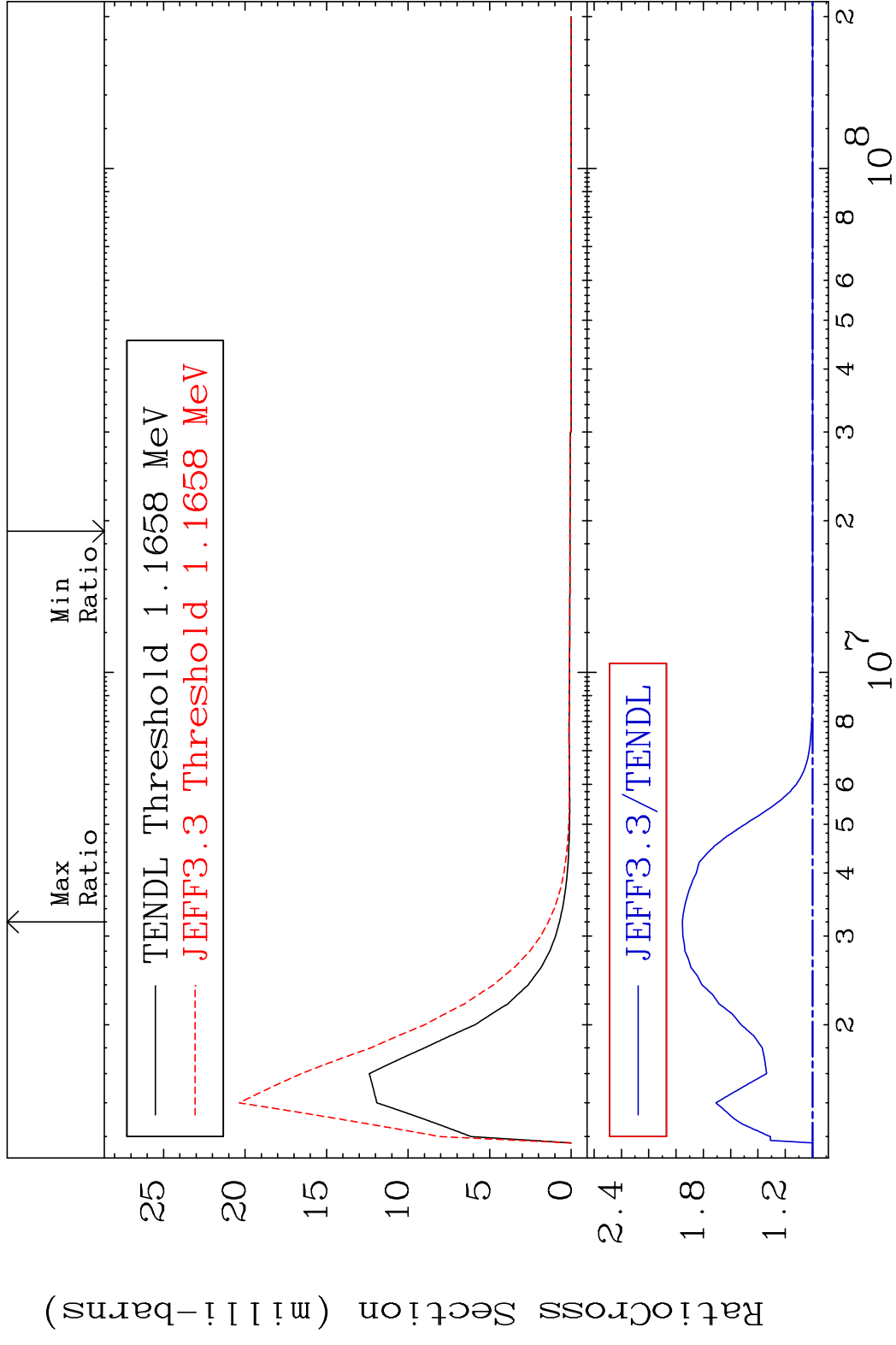
MAT 7040 Dpa disappearance (mt102 -120) 70-Yb-173
 Cross Section -51.83 To 9999. %



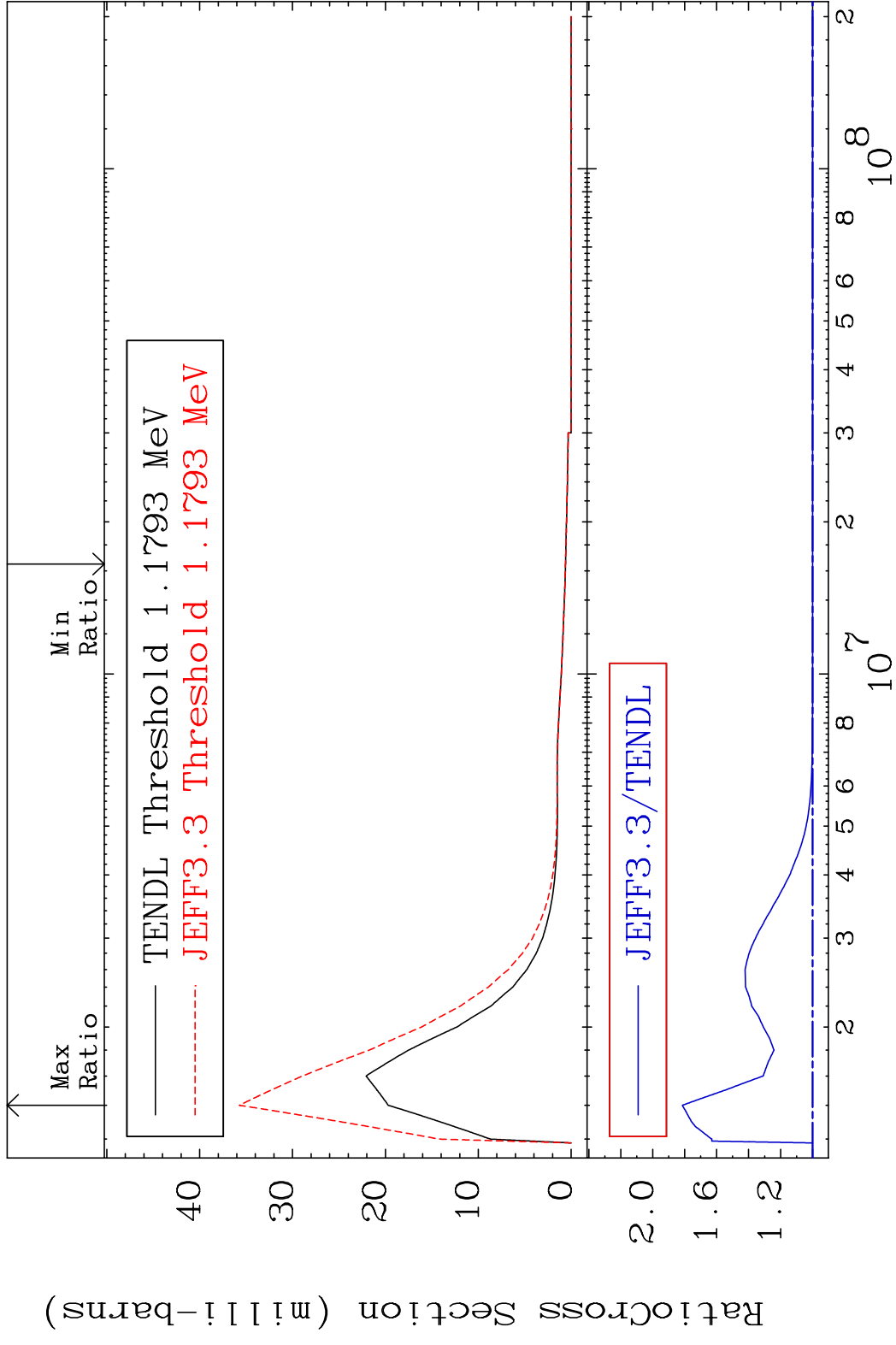
MAT 7040 MT= 77 (n, n') Level 70-Yb-173
 Cross Section 0.000 To 78.43 %



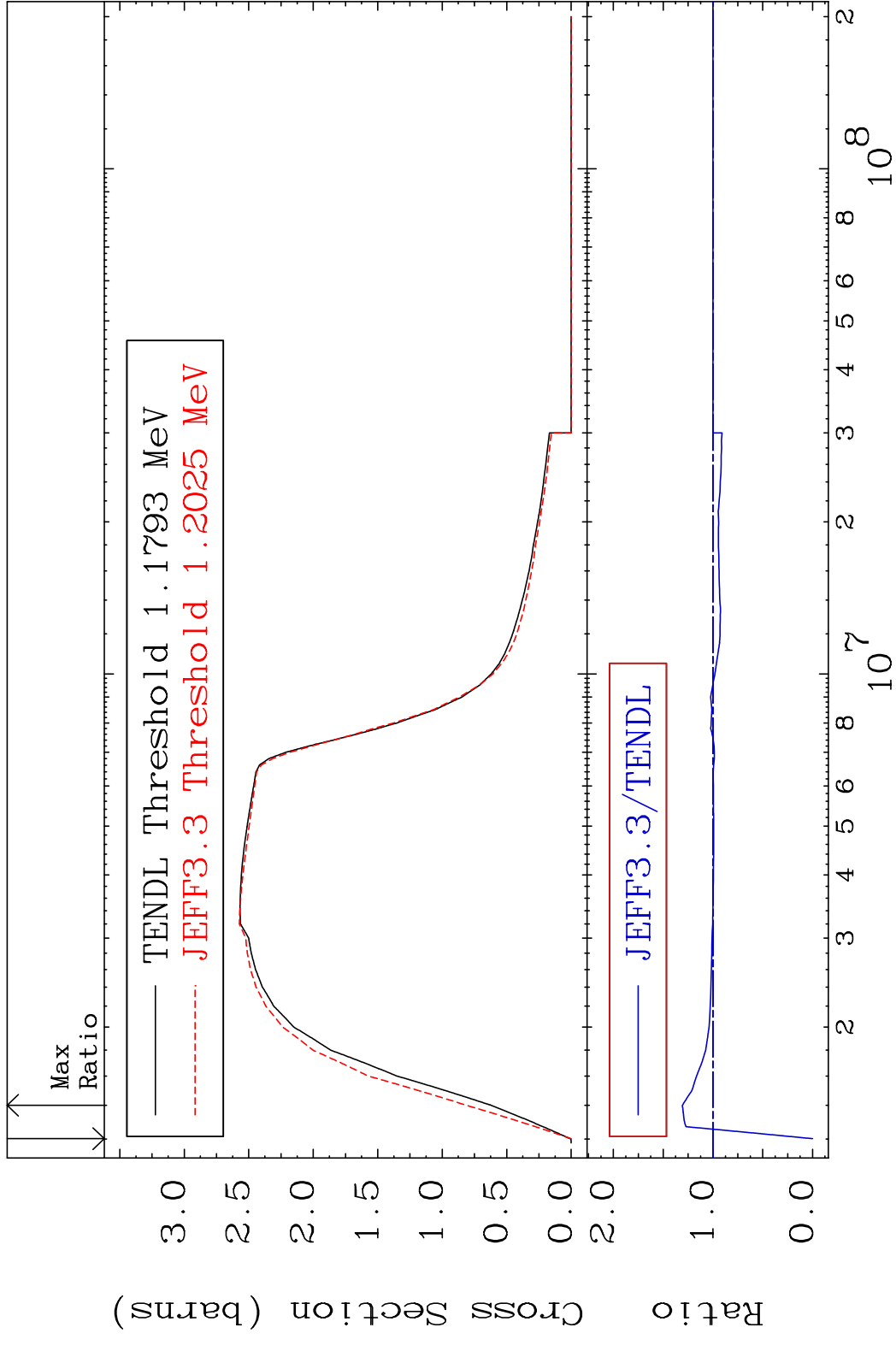
MAT 7040 MT= 78 (n, n') Level 70-Yb-173
 Cross Section 0.000 To 95.36 %



MAT 7040 MT= 79 (n, n') Level 70-Yb-173
 Cross Section 0.000 To 81.47 %



MAT 7040 (n, n') Continuum 70-Yb-173
 Cross Section -100.0 To 30.75 %

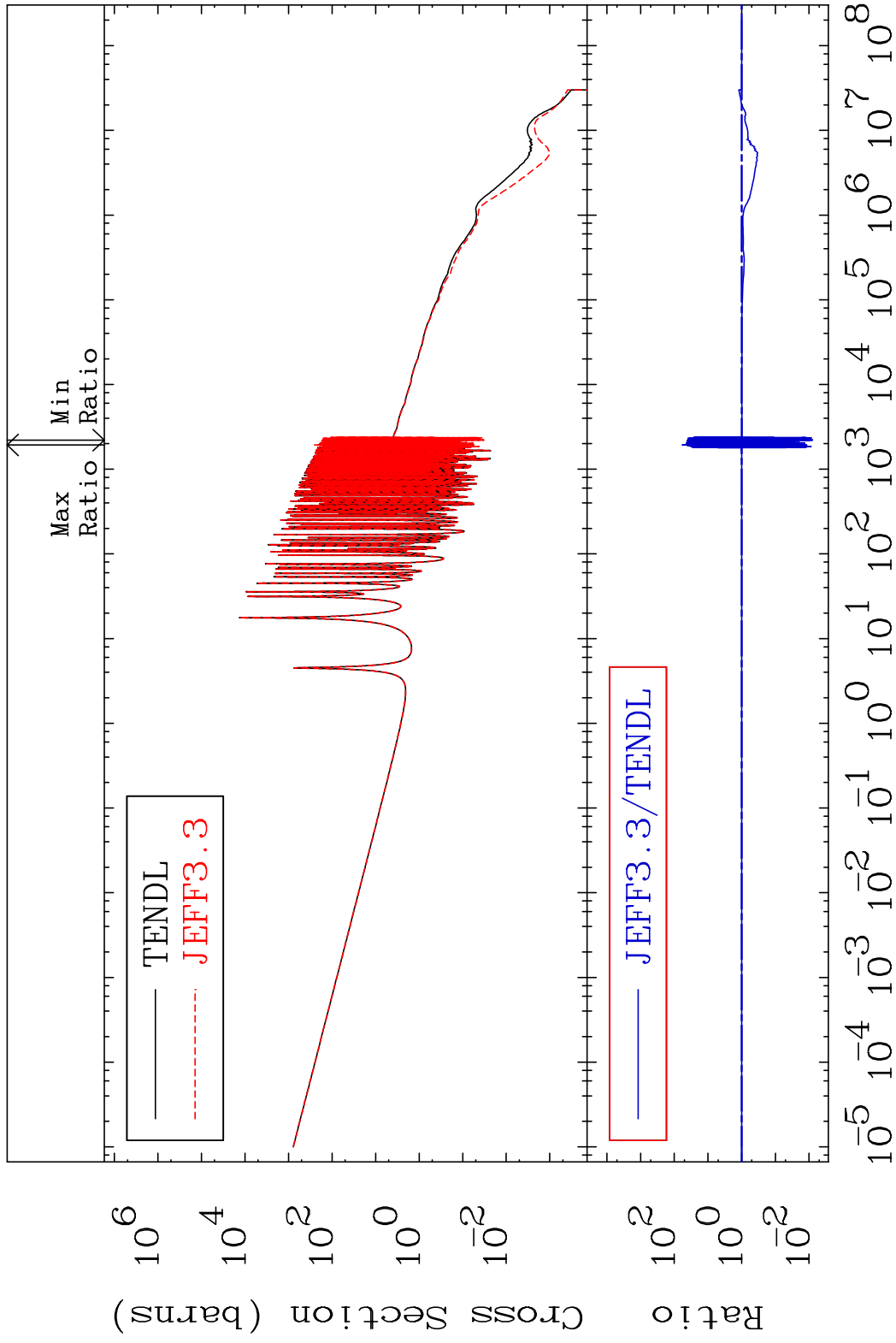


MAT 7040

(n, γ)

70-Yb-173

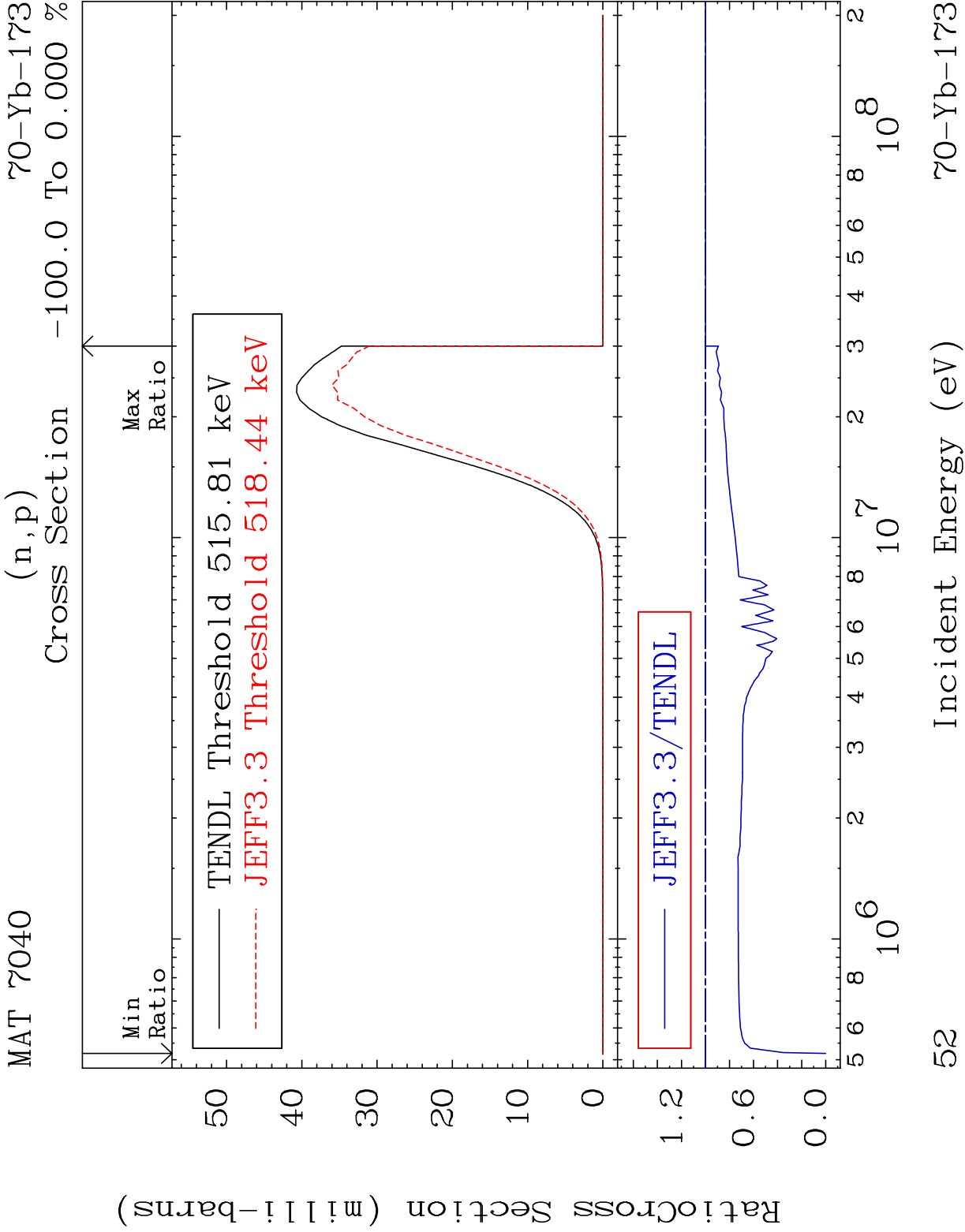
Cross Section -99.21 To 5658. %



51

Incident Energy (eV)

70-Yb-173

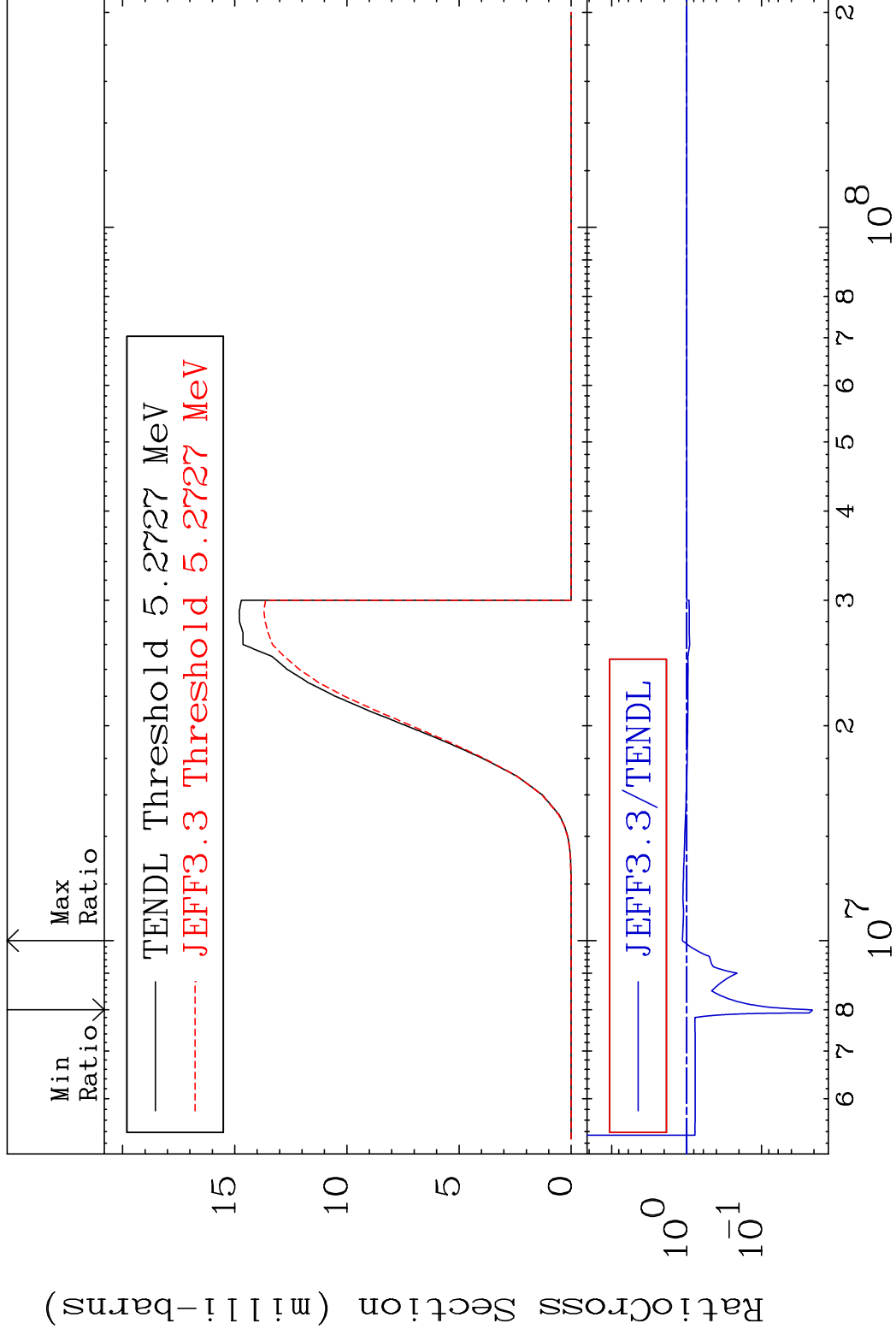


MAT 7040

(n, d)

70-Yb-173

Cross Section -97.91 To 13.97 %



53

Incident Energy (eV)

70-Yb-173

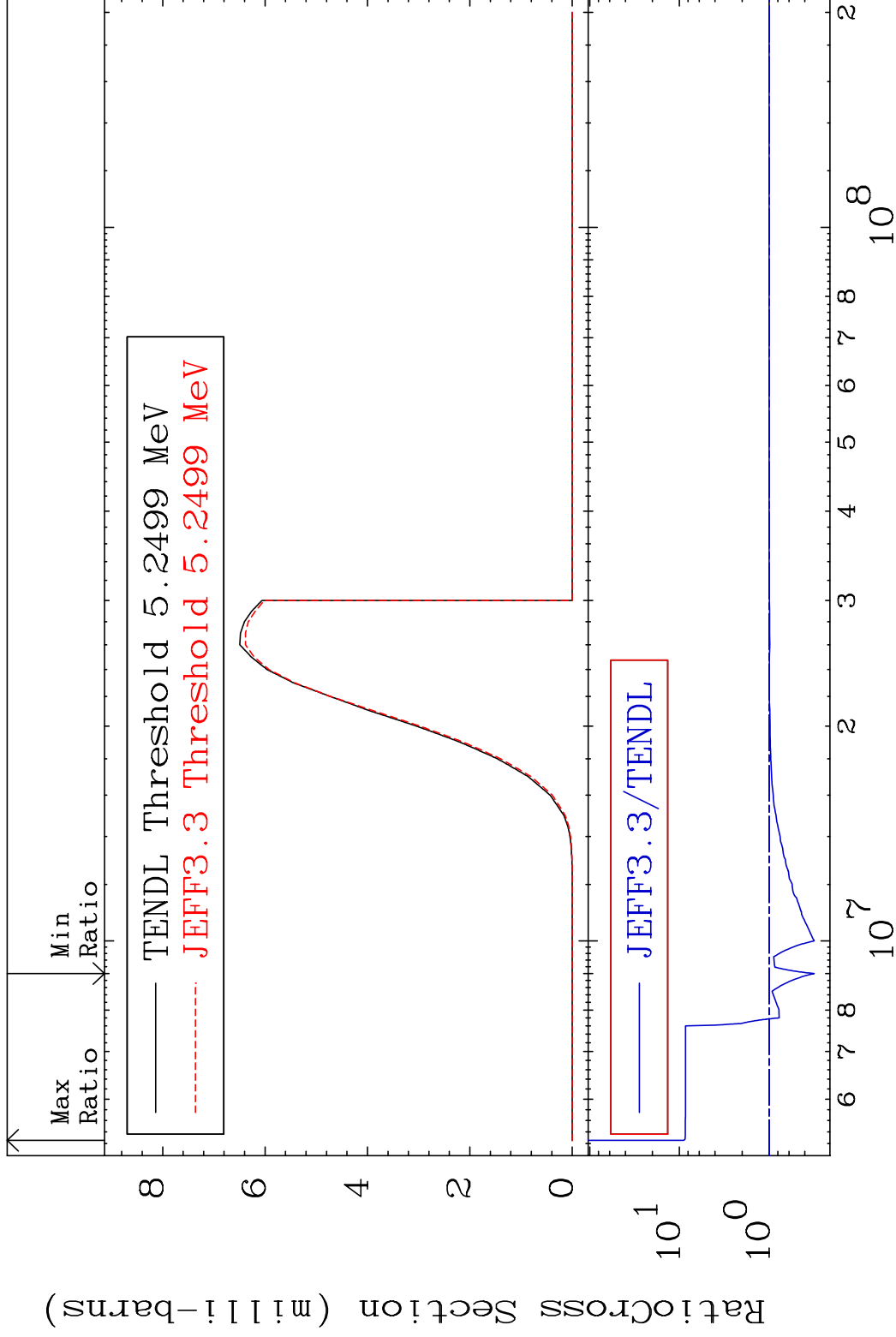
MAT 7040

(n, t)

70-Yb-173

Cross Section

-68.50 To 796.5 %



54

Incident Energy (eV)

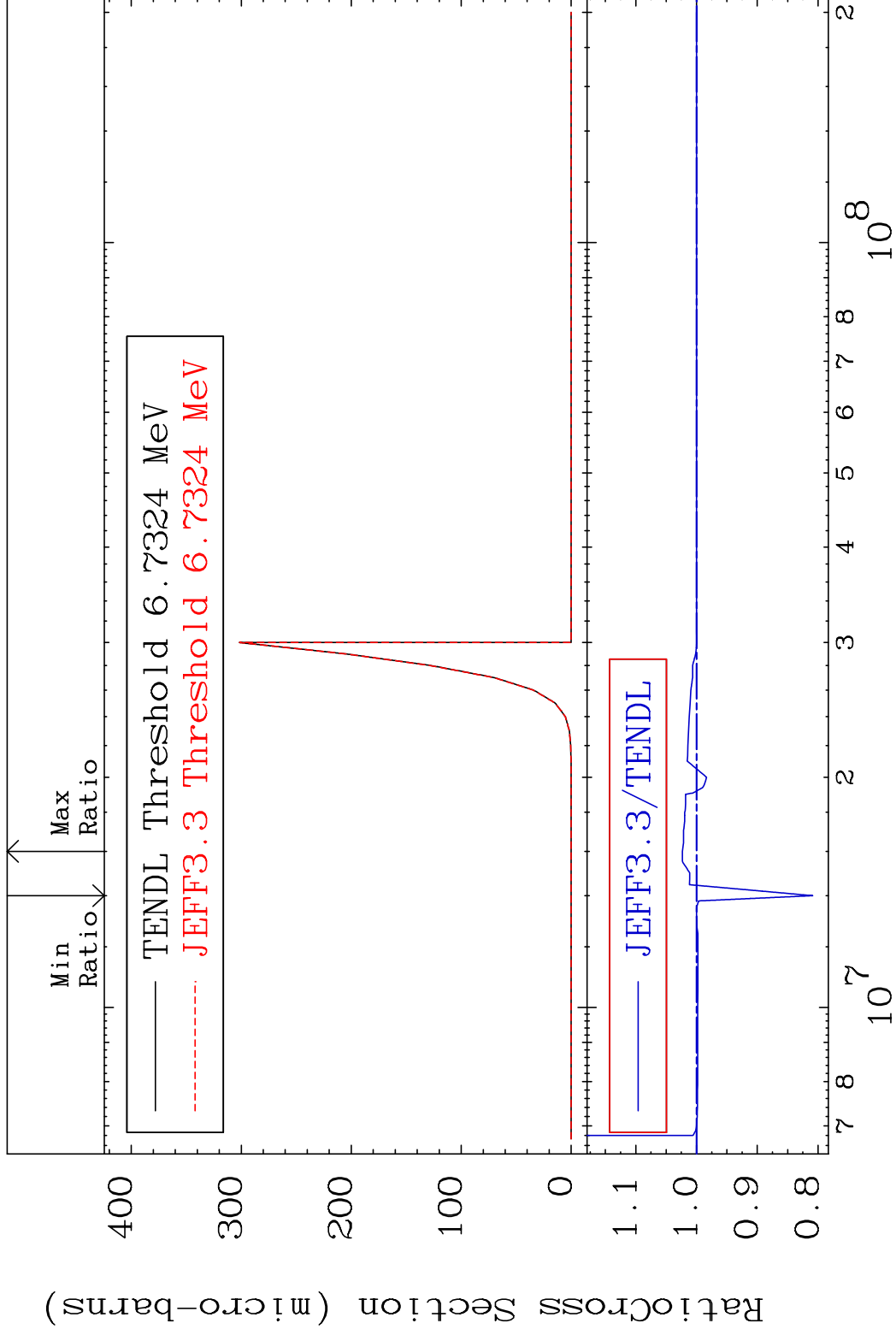
70-Yb-173

MAT 7040

(n, He-3)

70-Yb-173

Cross Section -19.09 To 2.332 %



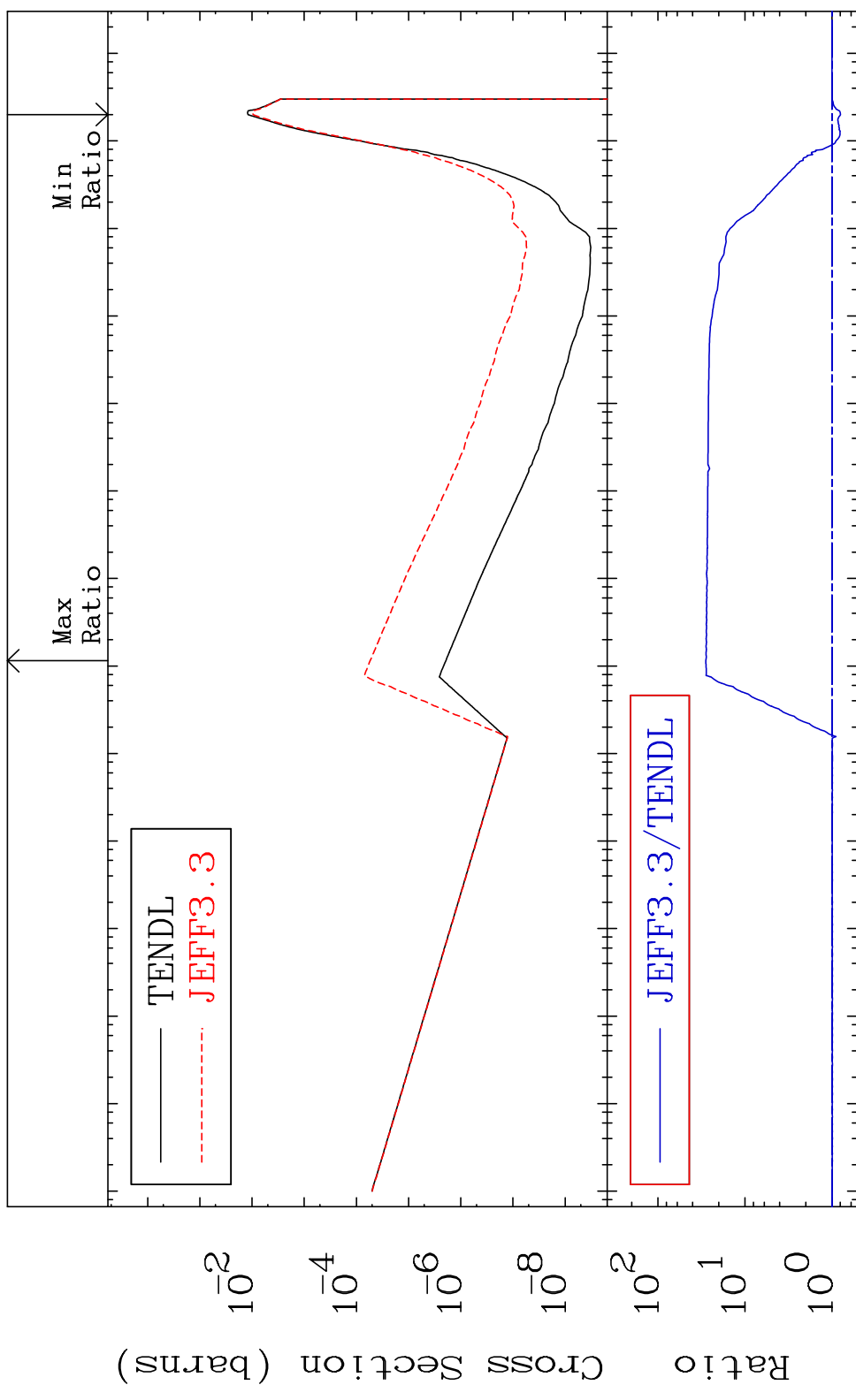
55

Incident Energy (eV)

70-Yb-173

MAT 7040

(n, α)
Cross Section -20.20 To 2723. %
70-Yb-173

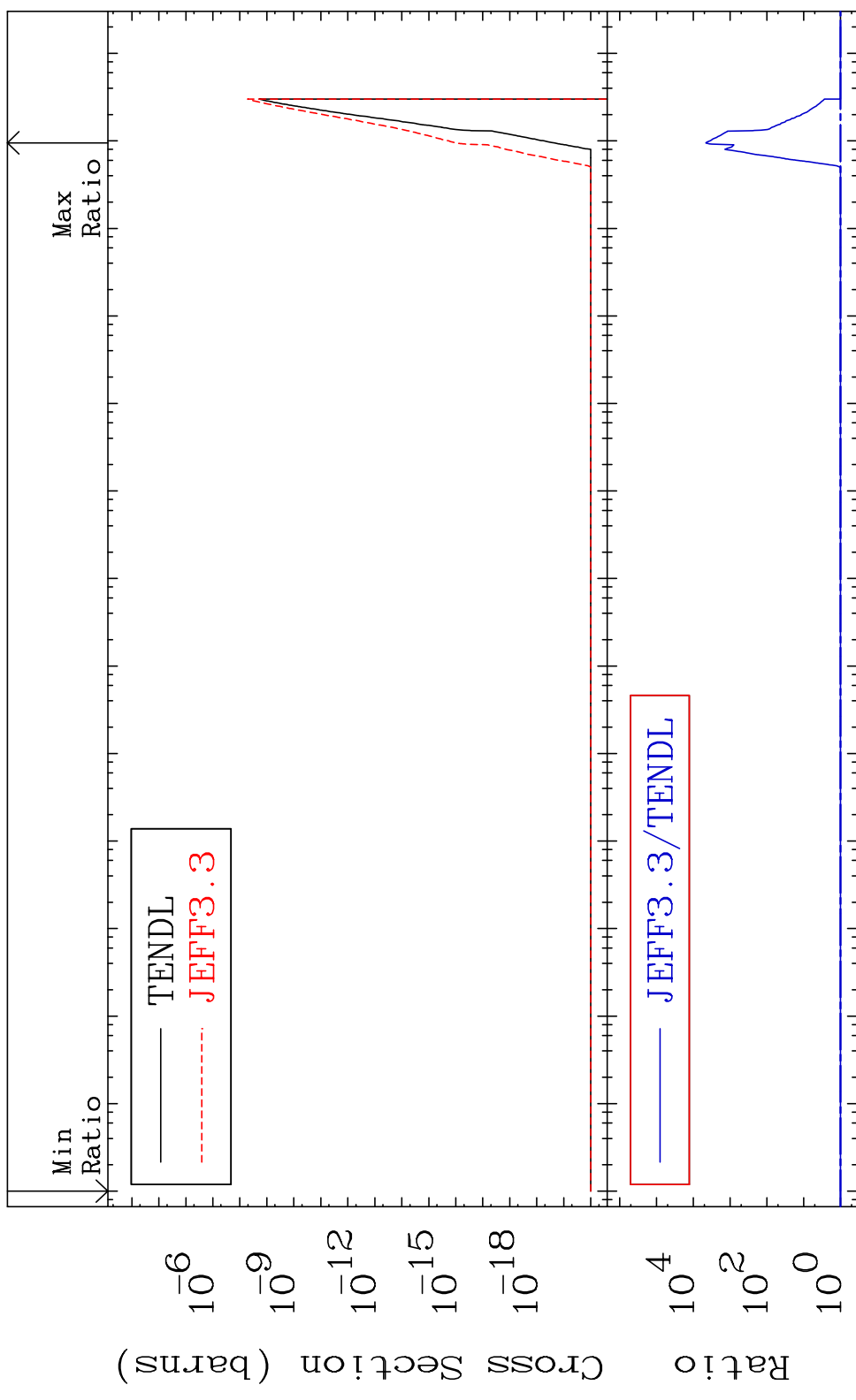


MAT 7040

(n,2α)

70-Yb-173

Cross Section 0.000 To 9999. %

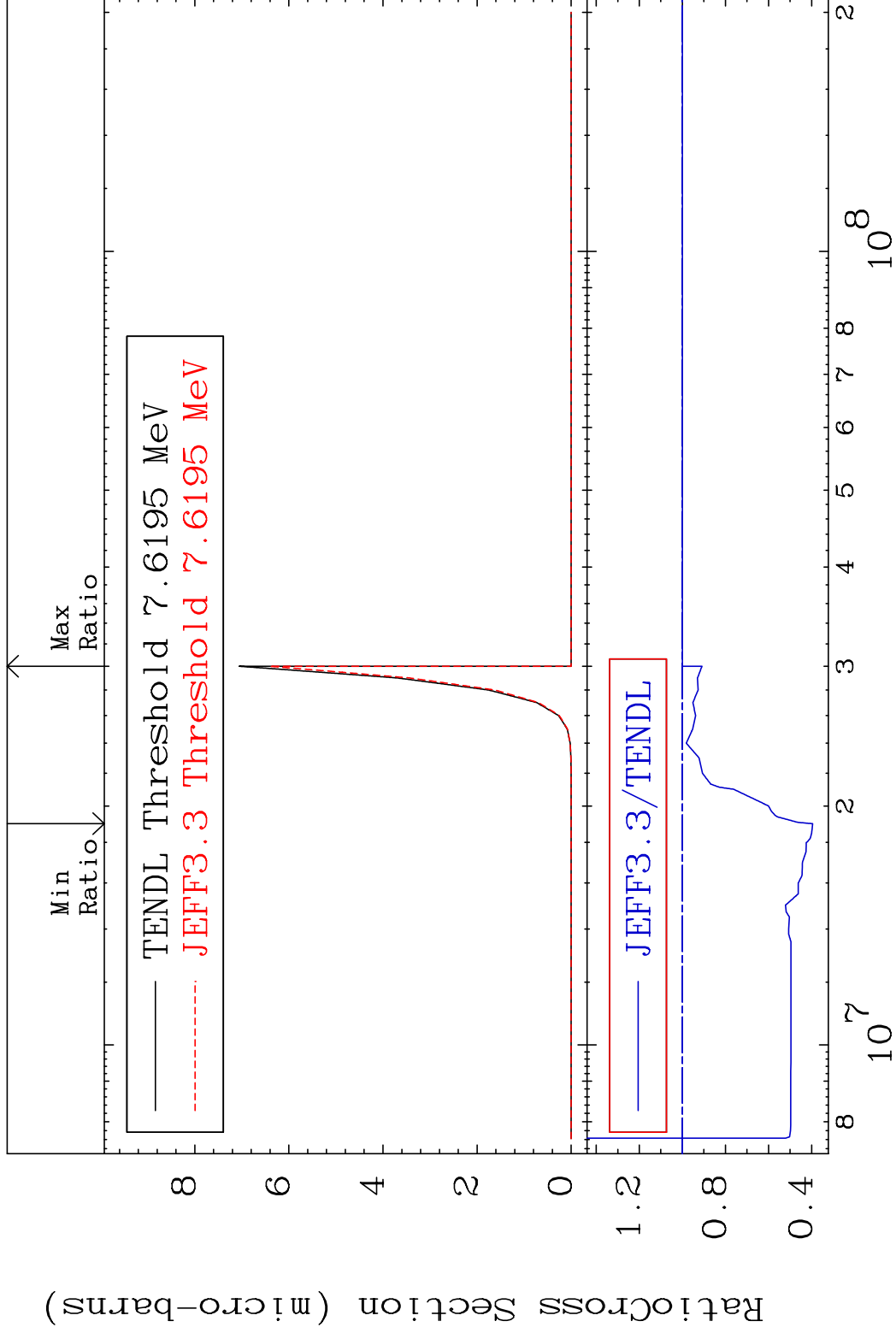


MAT 7040

(n,2p)

70-Yb-173

Cross Section -60.45 To 0.000 %



58

Incident Energy (eV)

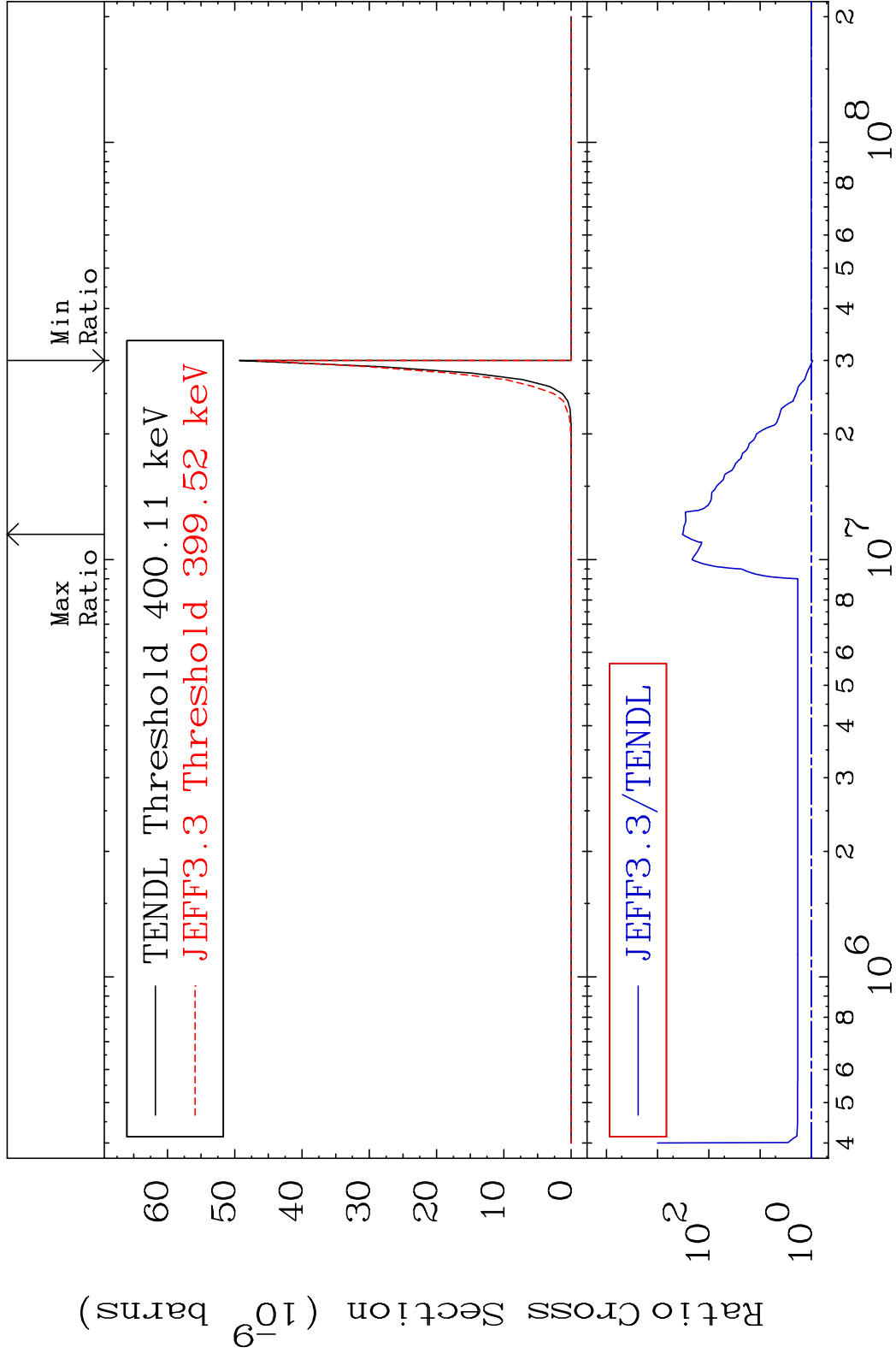
70-Yb-173

MAT 7040

(n,p) α

70-Yb-173

Cross Section -5.664 To 9999. %

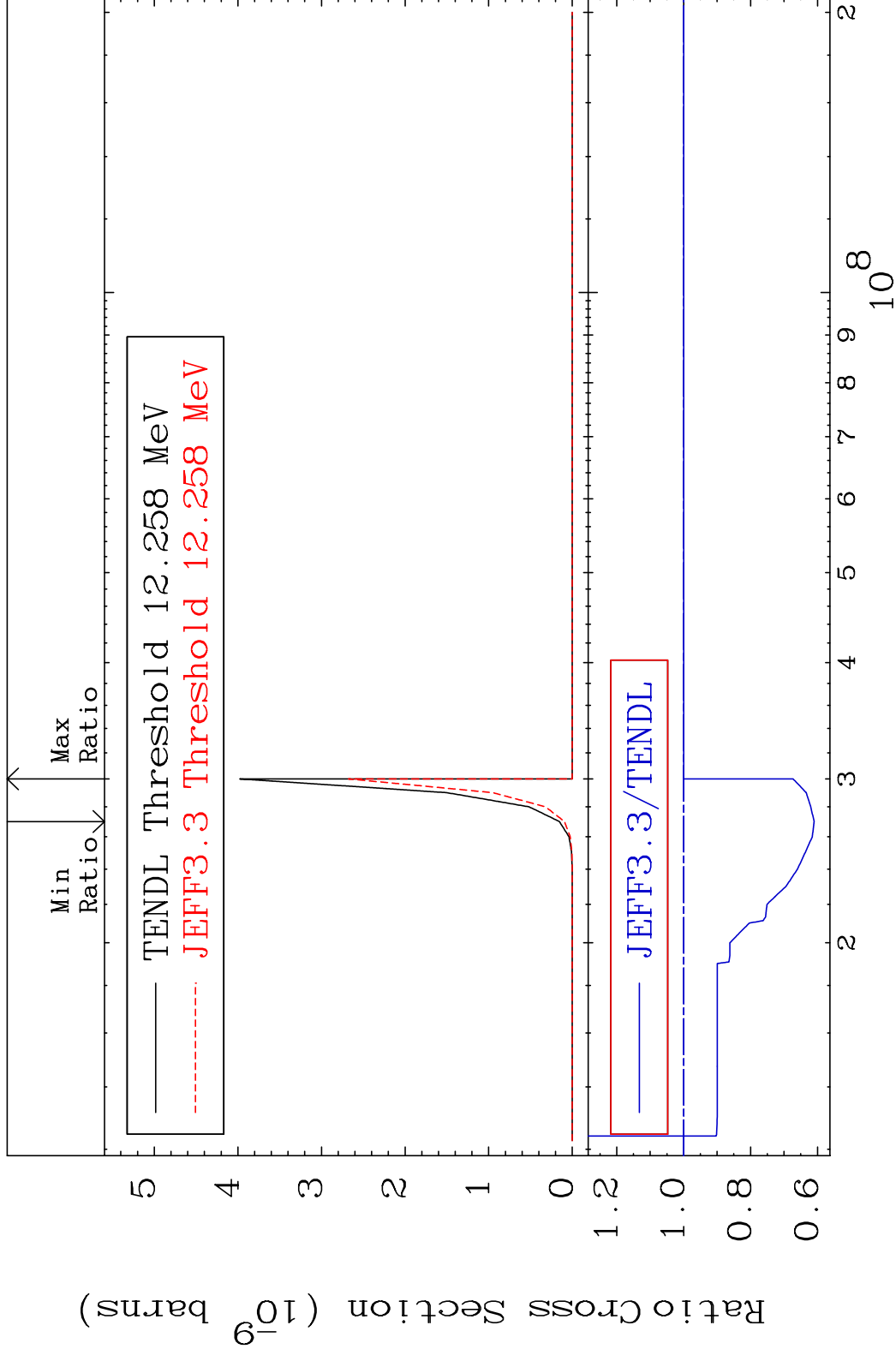


MAT 7040

(n,p) d

70-Yb-173

Cross Section -38.99 To 0.000 %

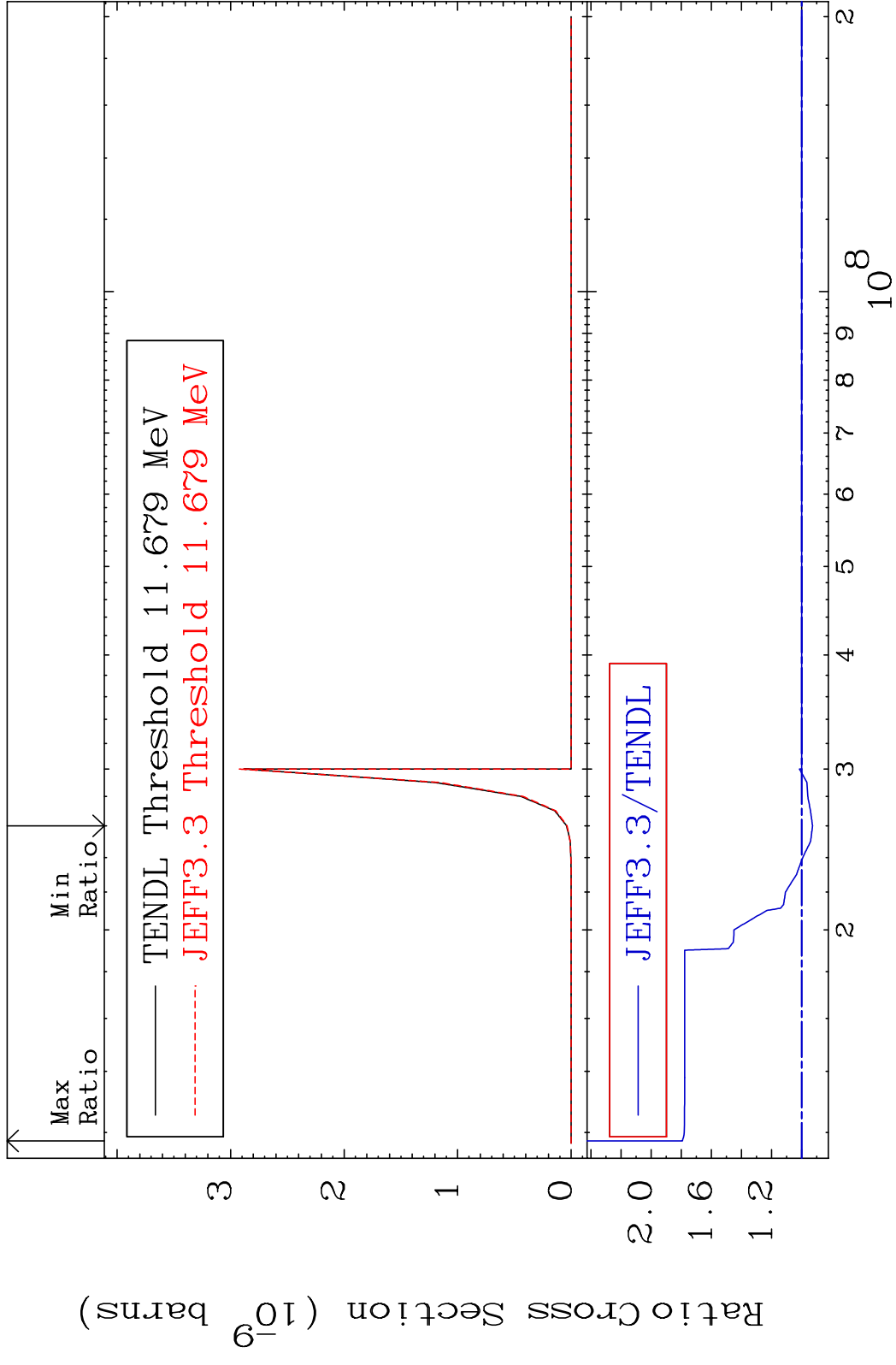


60

Incident Energy (eV)

70-Yb-173

MAT 7040 (n,p) t 70-Yb-173
 Cross Section -7.271 To 79.24 %

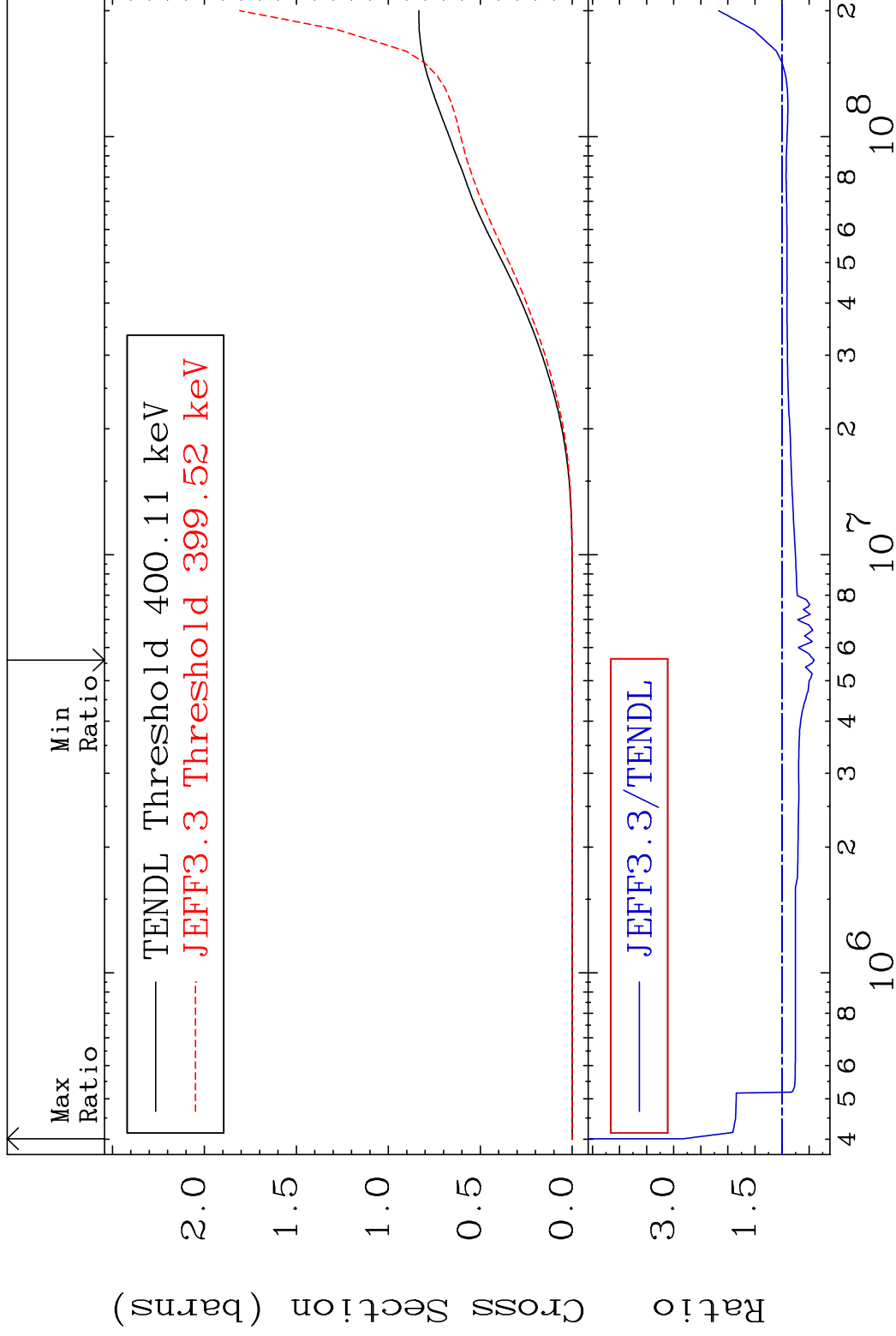


MAT 7040

Hydrogen Production

70-Yb-173

Cross Section -59.23 To 181.6 %

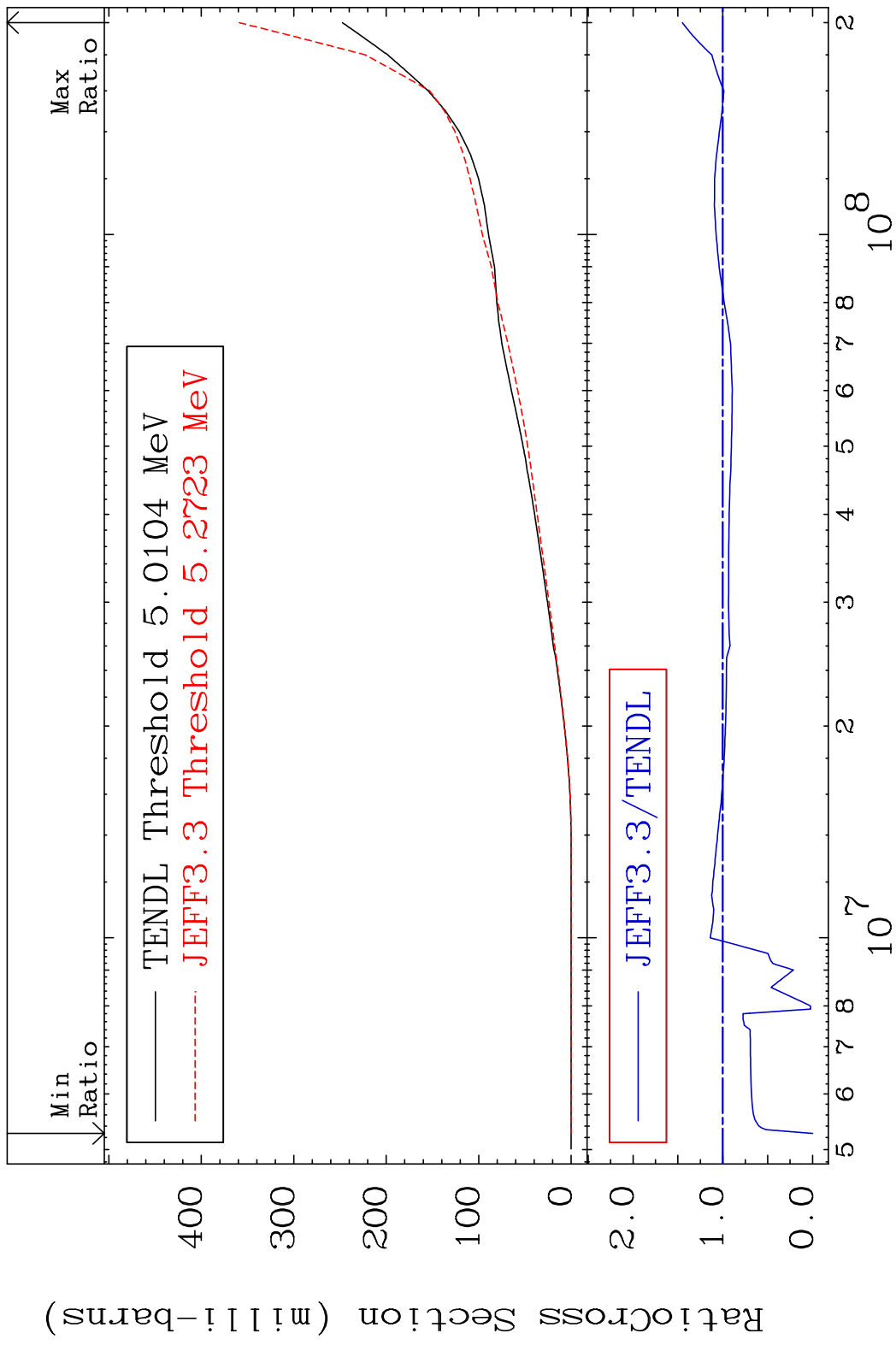


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Incident Energy (eV)

70-Yb-173

MAT 7040 Deuterium Production 70-Yb-173
 Cross Section -100.0 To 45.07 %



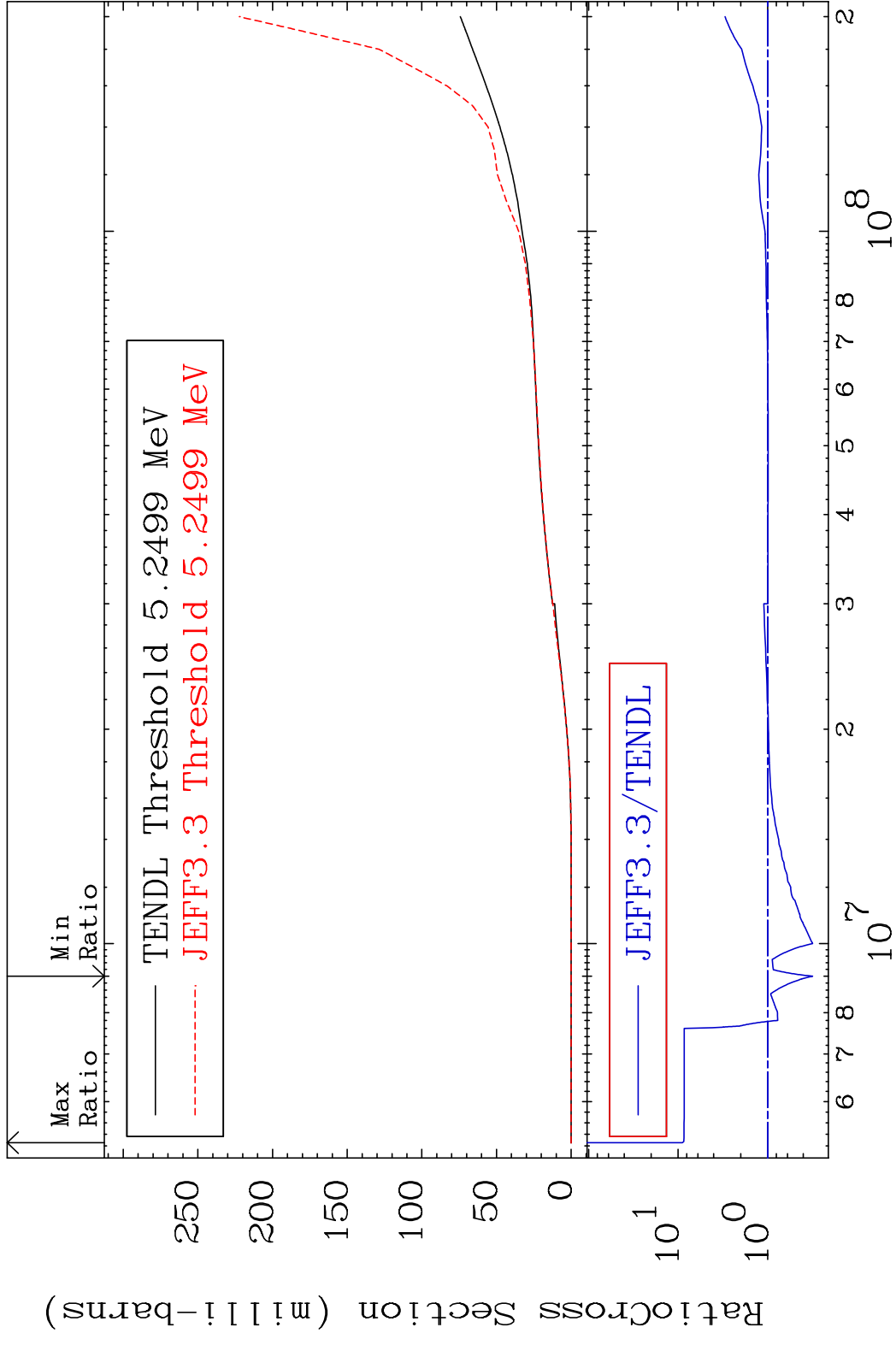
MAT 7040

Tritium Production

70-Yb-173

Cross Section

-68.50 To 796.5 %

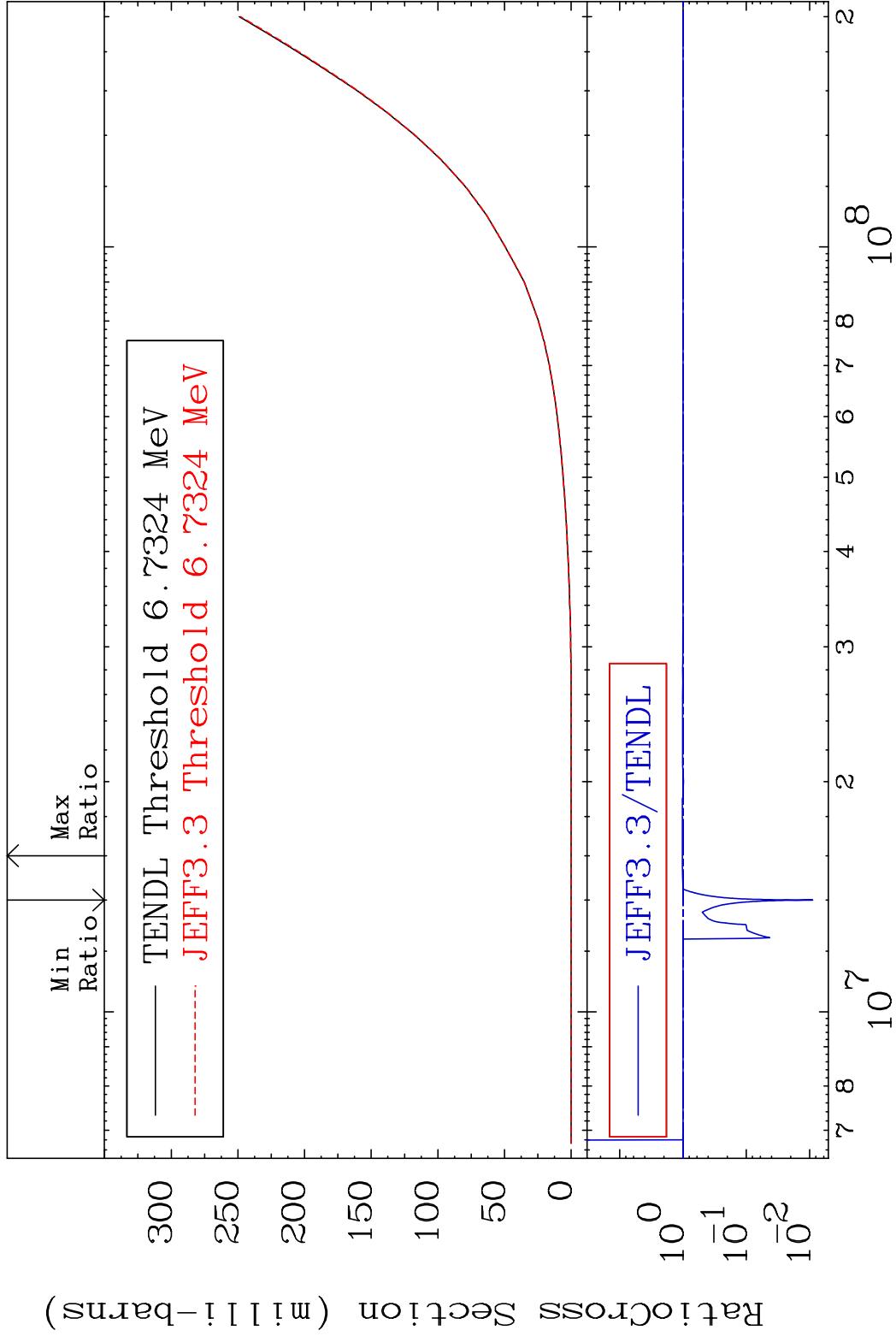


MAT 7040

He-3 Production

70-Yb-173

Cross Section -99.10 To 2.327 %



65

Incident Energy (eV)

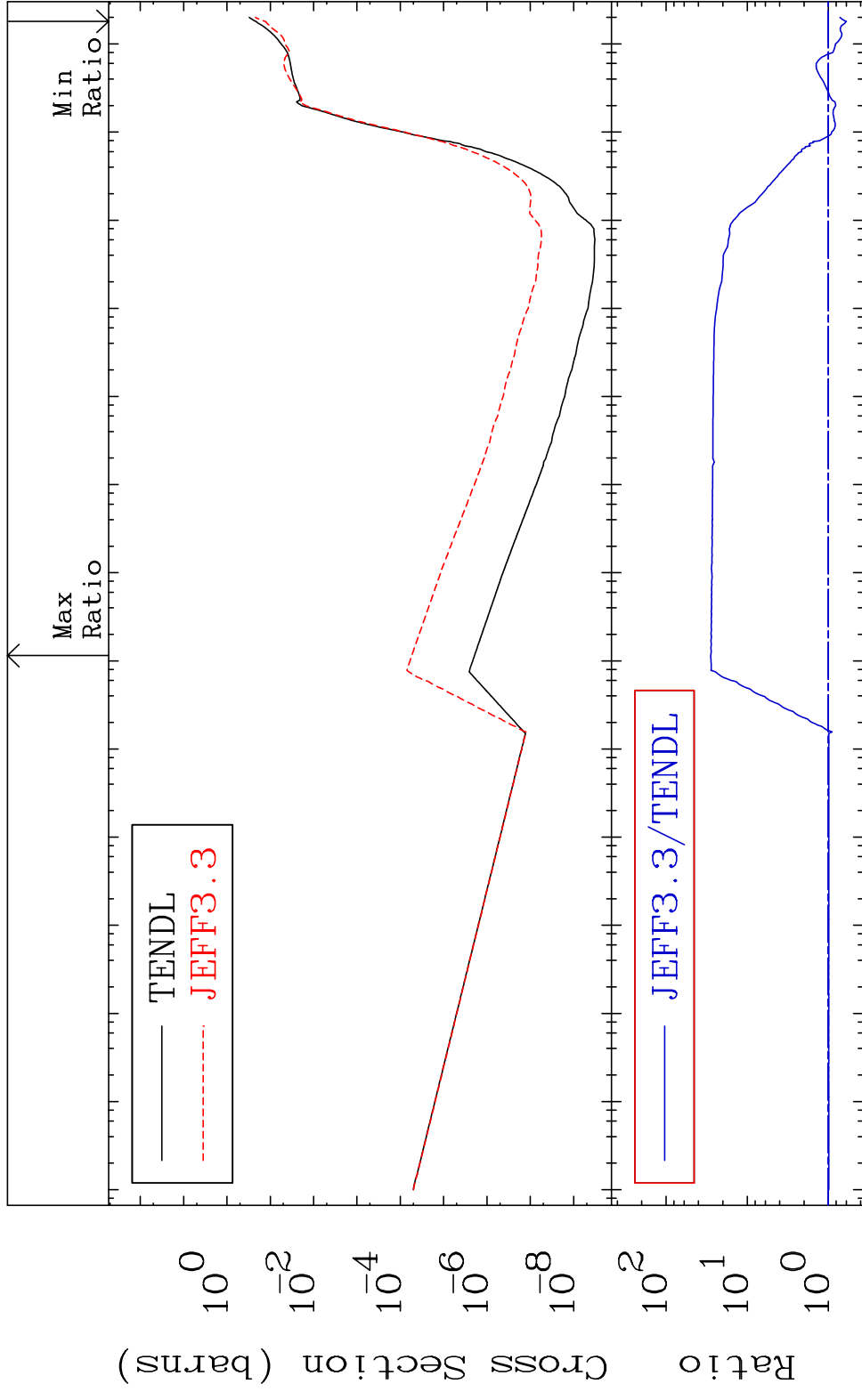
70-Yb-173

MAT 7040

He-4 Production

70-Yb-173

Cross Section -39.85 To 2723. %



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

66

Incident Energy (eV)

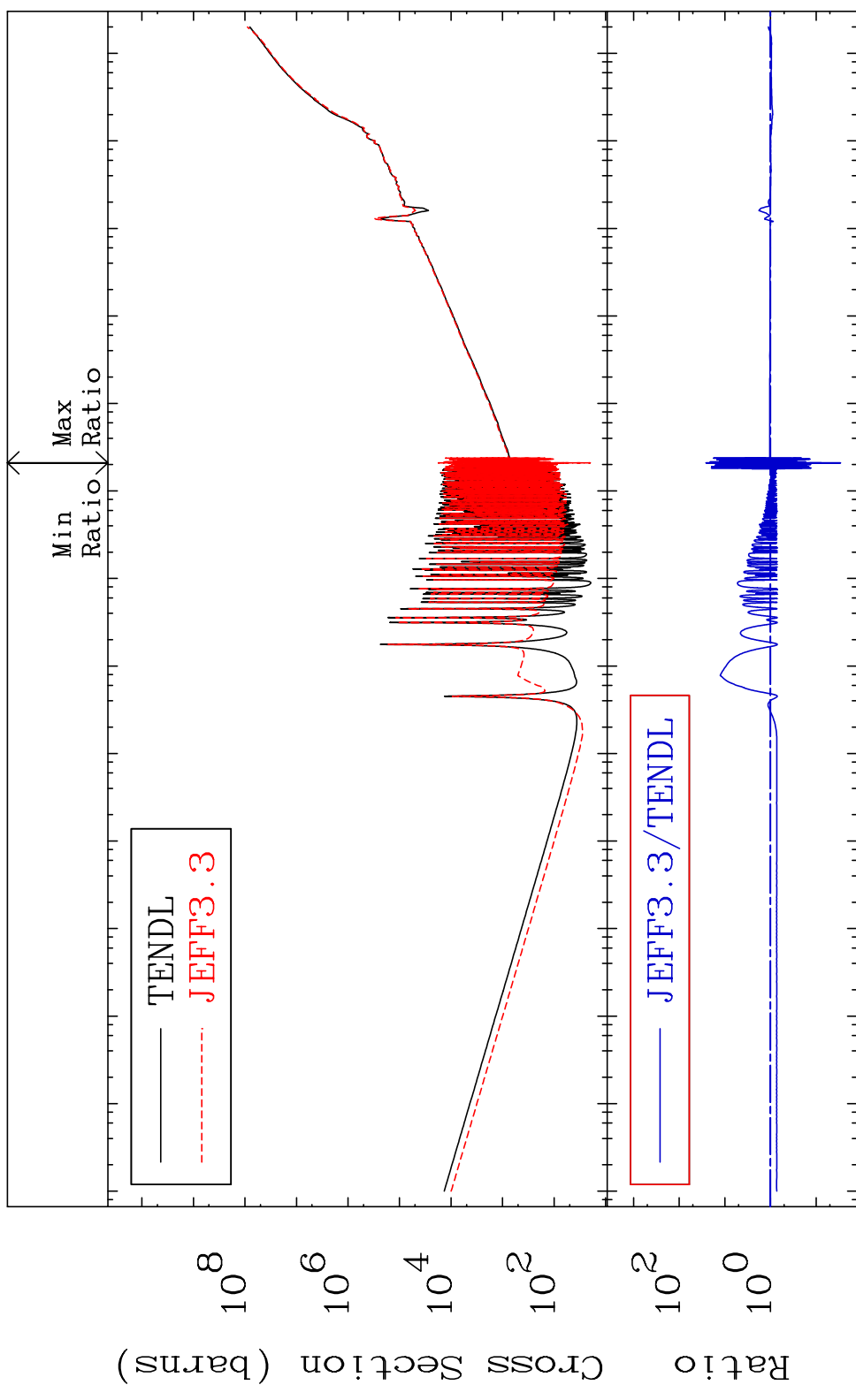
70-Yb-173

MAT 7040

Kerma total (eV-barns)

70-Yb-173

Cross Section -97.07 To 2517. %



67

Incident Energy (eV)

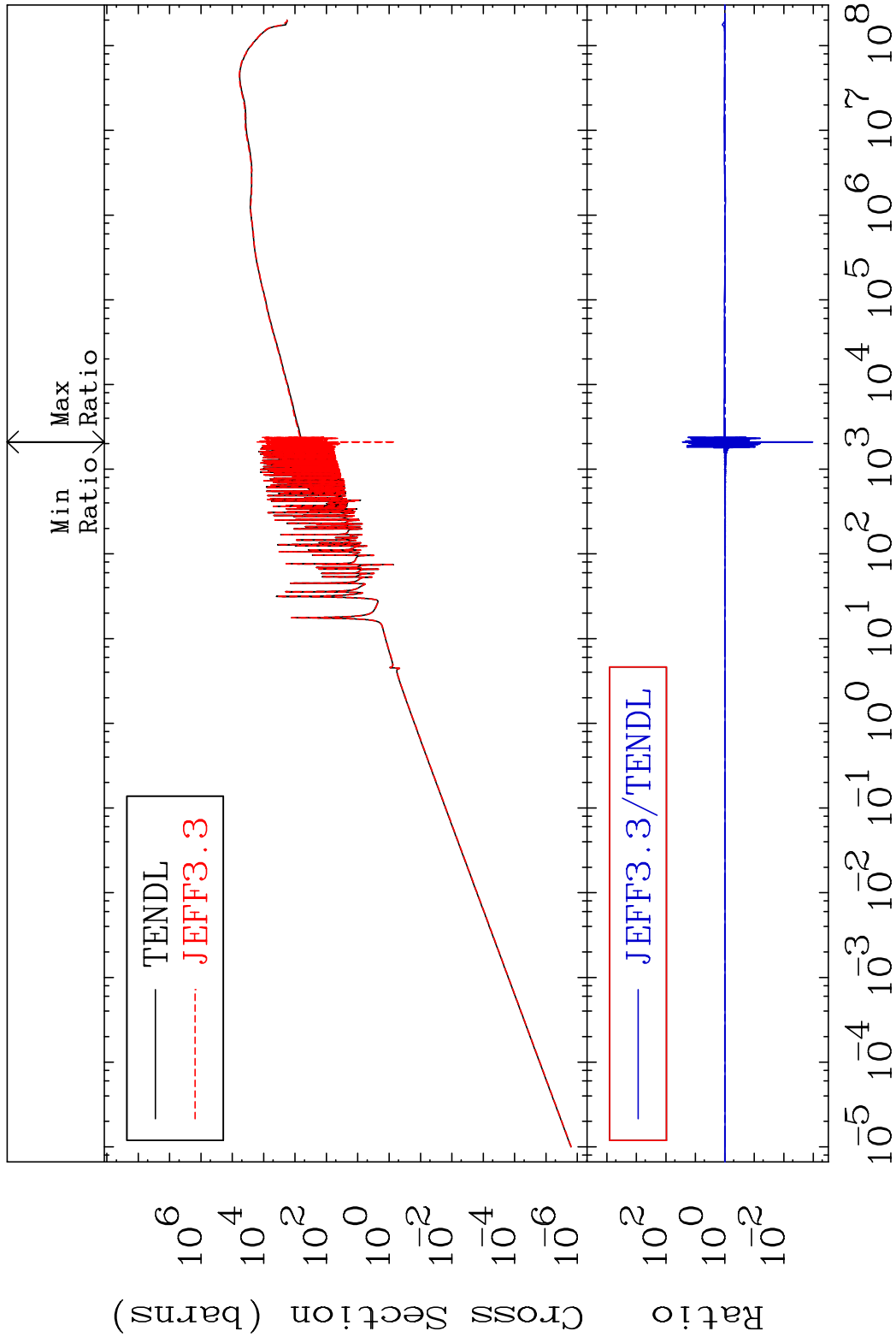
70-Yb-173

MAT 7040

Kerma elastic

70-Yb-173

Cross Section -99.89 To 2663. %

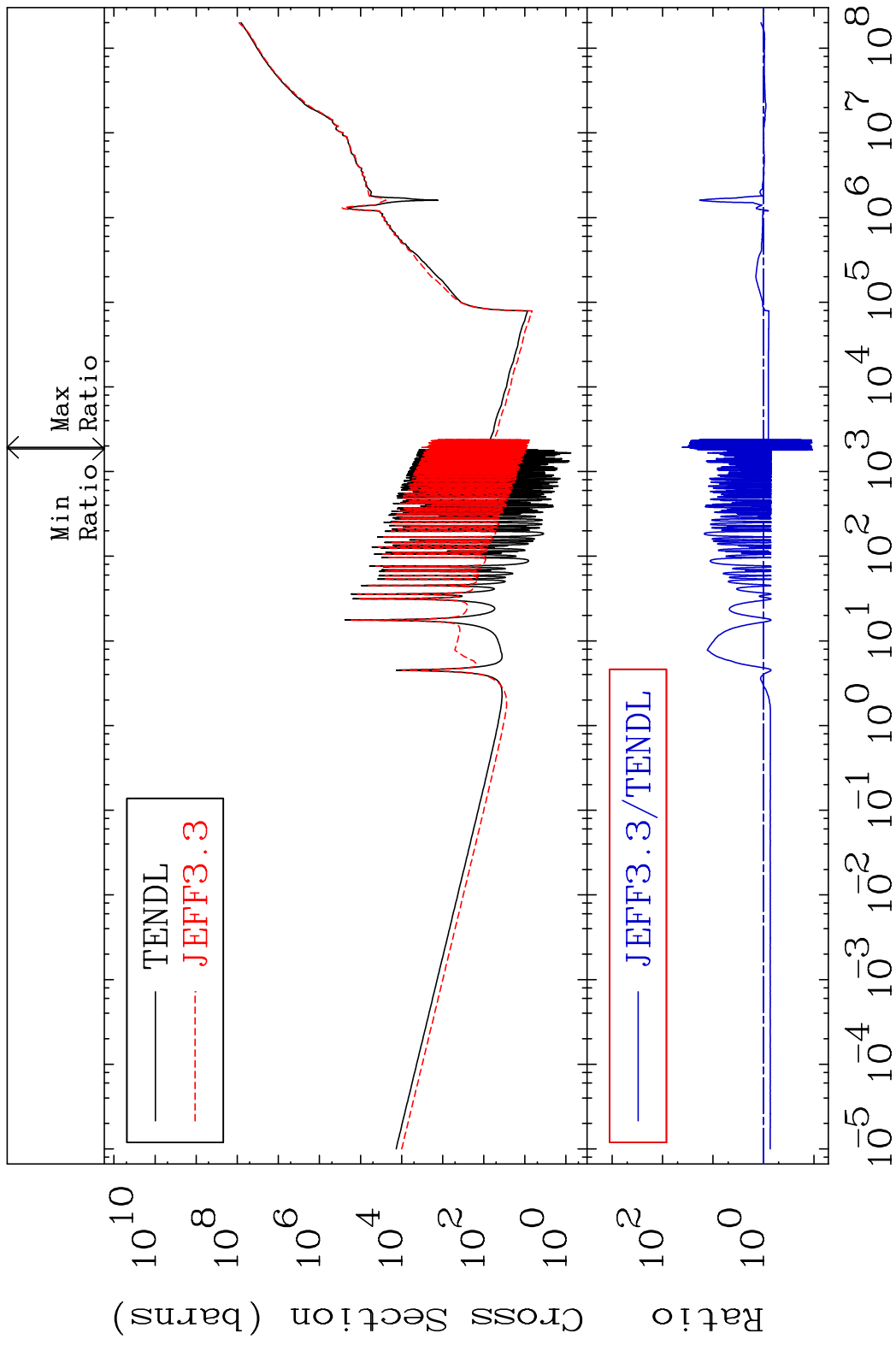


68

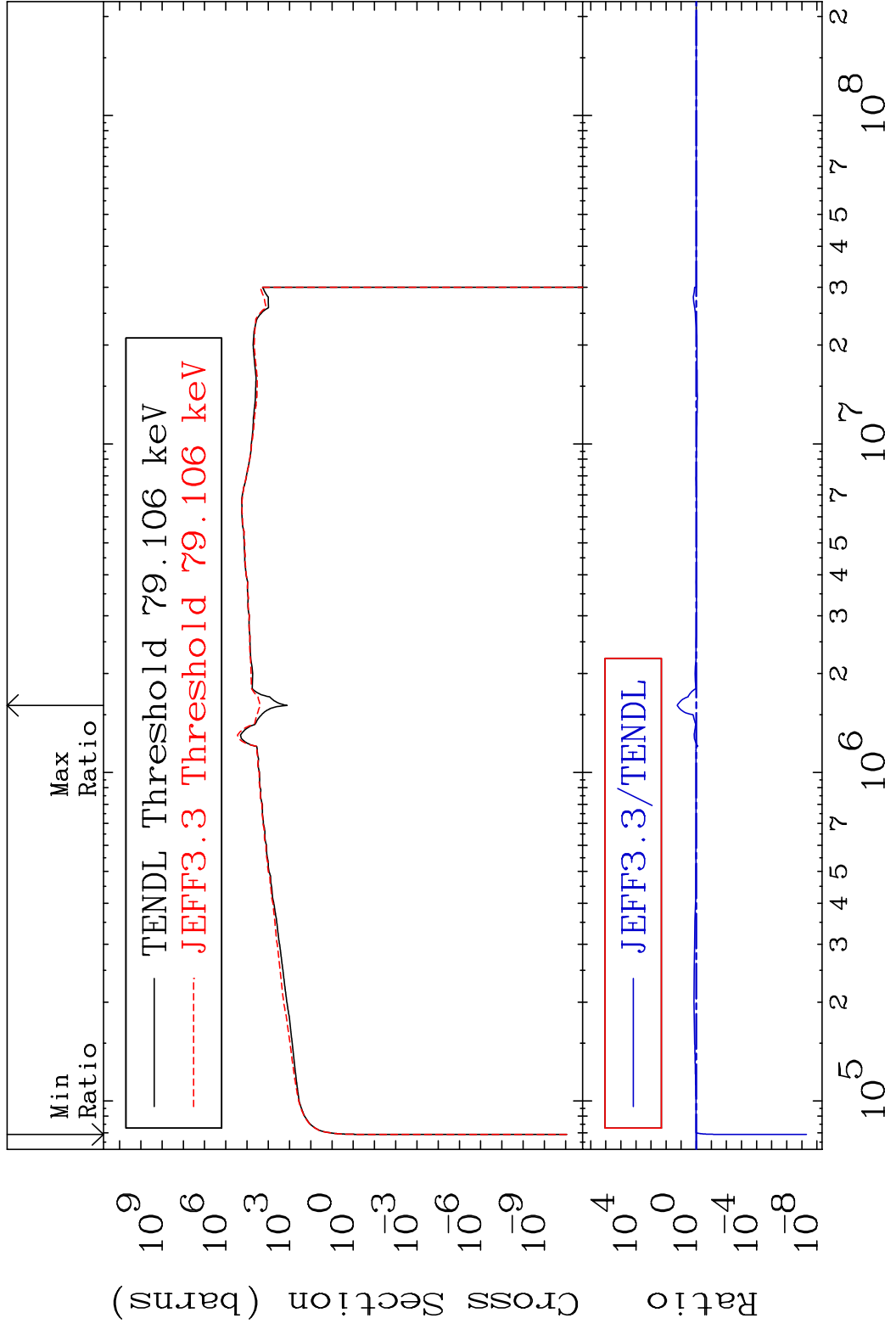
Incident Energy (eV)

70-Yb-173

MAT 7040 Kerma non-elastic (all but mt2) 70-Yb-173
 Cross Section -89.37 To 3944. %

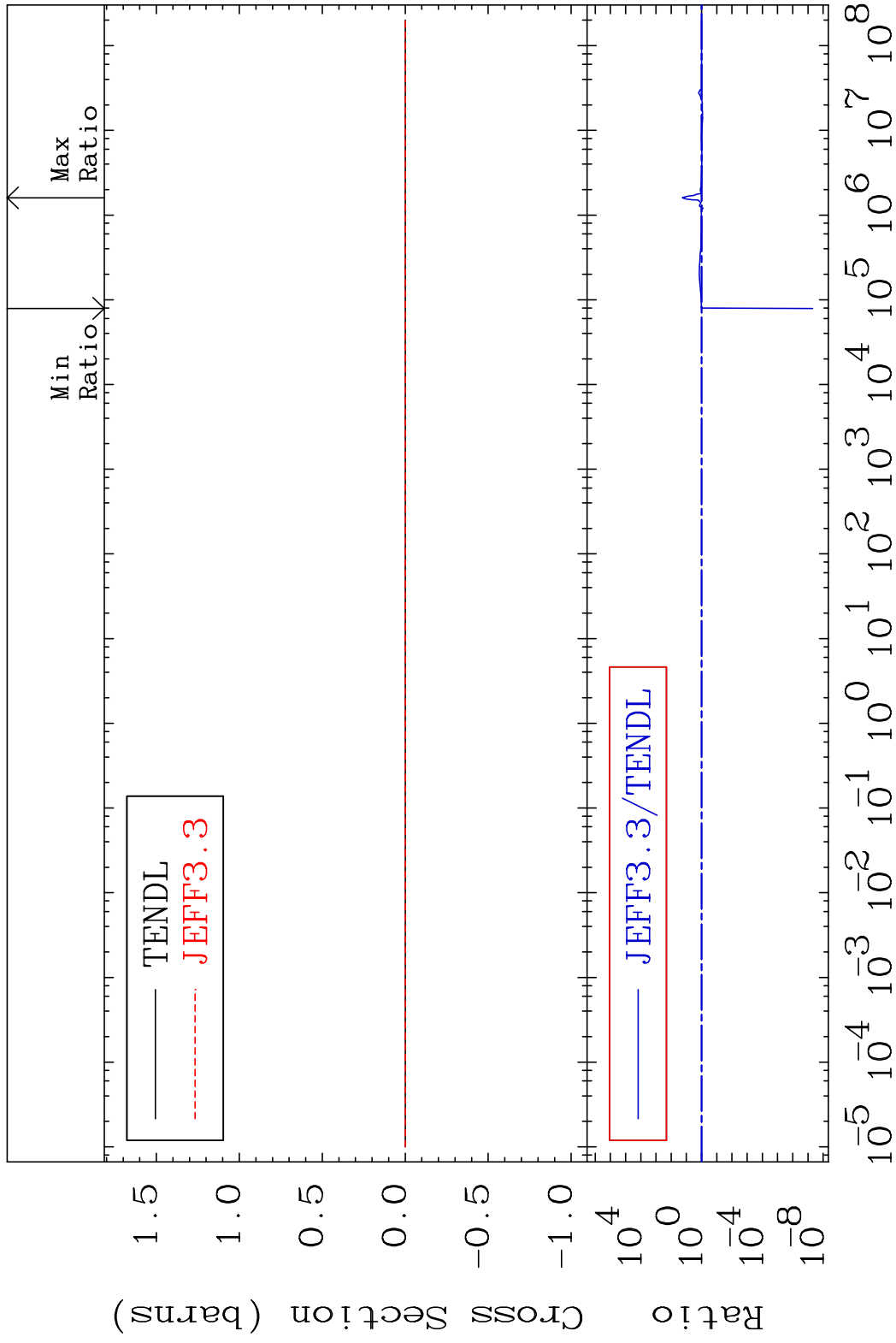


MAT 7040 Kerma inelastic (mt51-91) 70-Yb-173
 Cross Section -100.0 To 1739. %



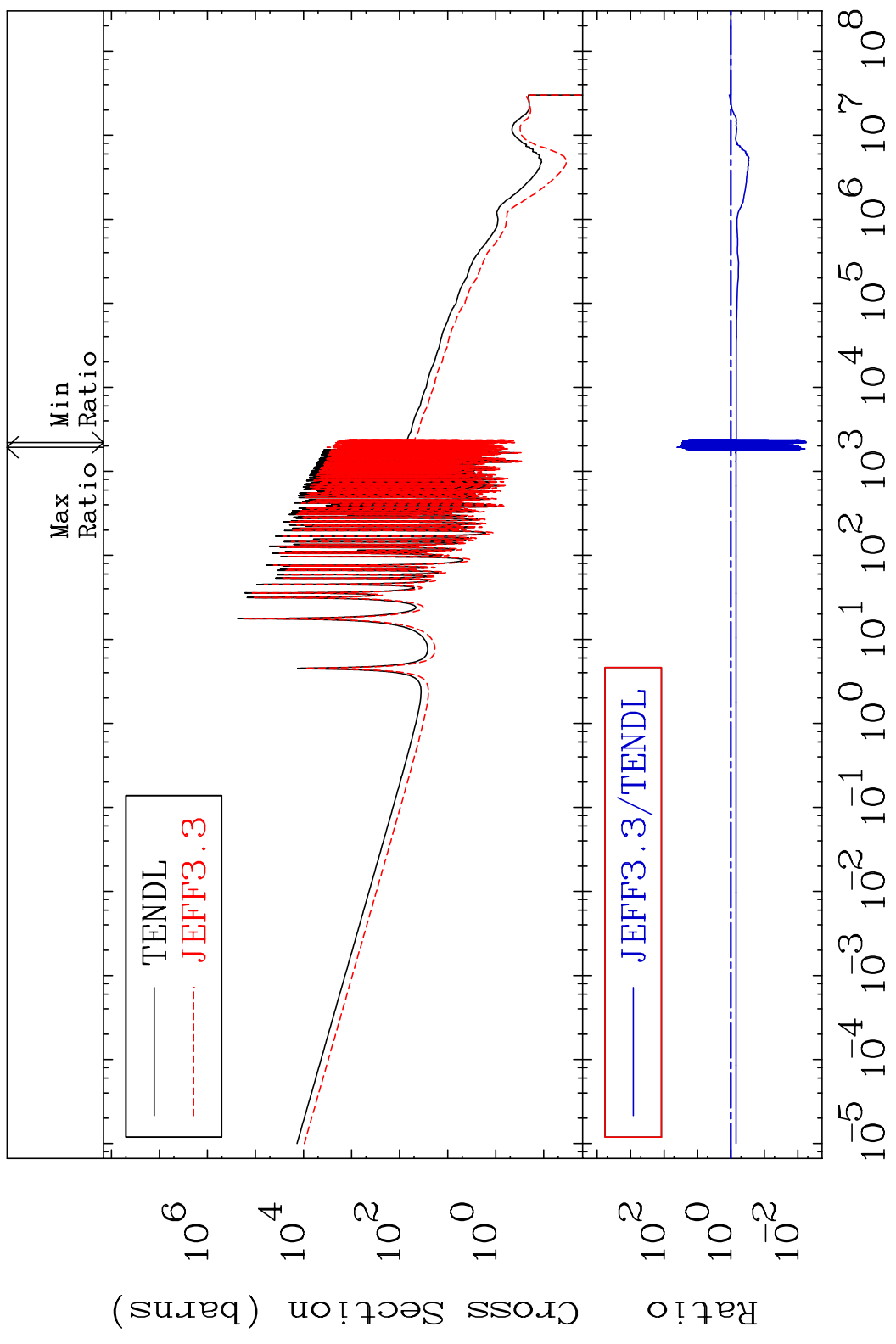
70 Incident Energy (eV) 70-Yb-173

MAT 7040 Kerma fission (mt18 or mt19-20-21-38)70-Yb-173
 Cross Section -100.0 To 1739. %



MAT 7040

Kerma capture (mt102) 70-Yb-173
Cross Section -99.45 To 3949. %

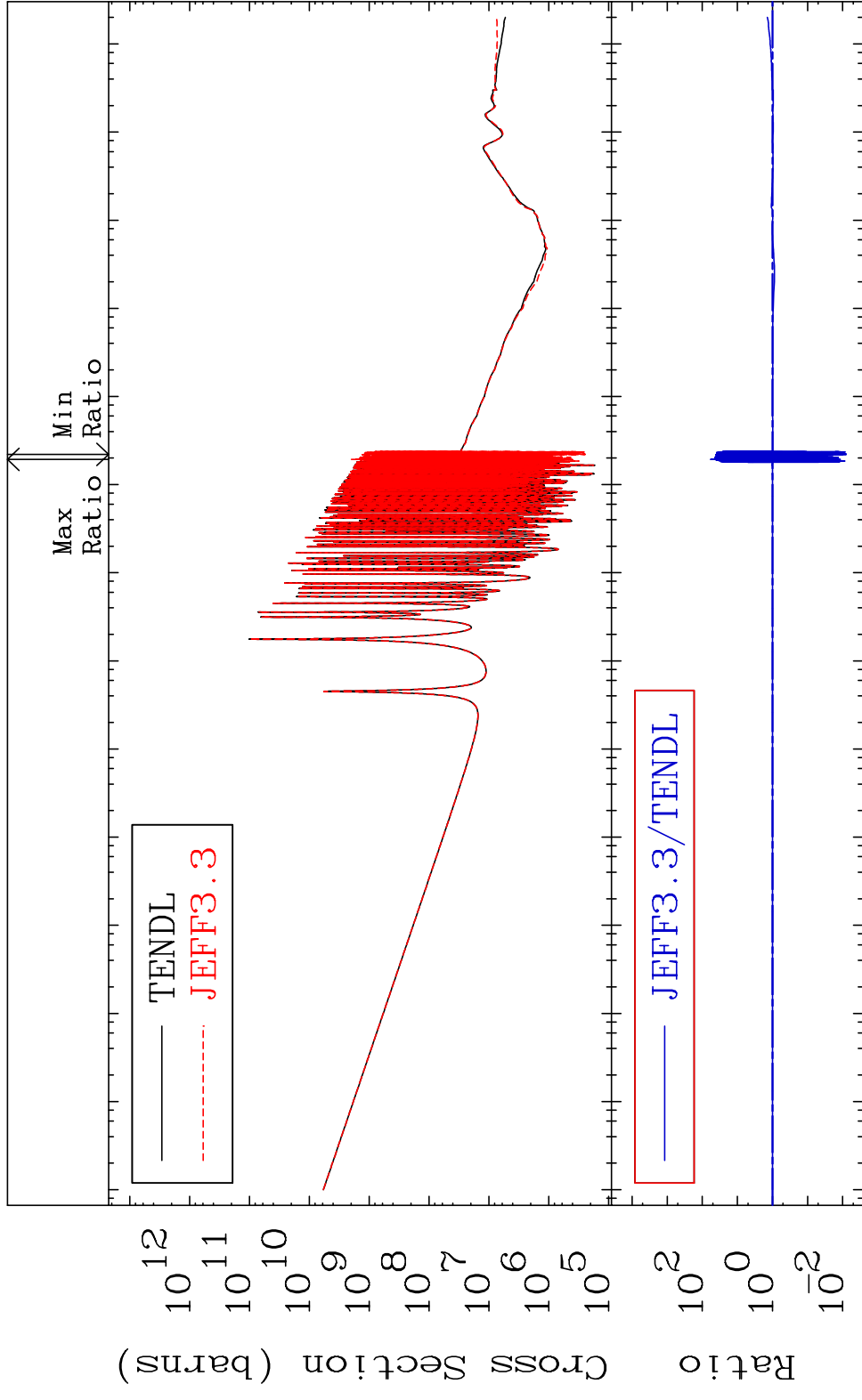


72

Incident Energy (eV) 70-Yb-173

MAT 7040

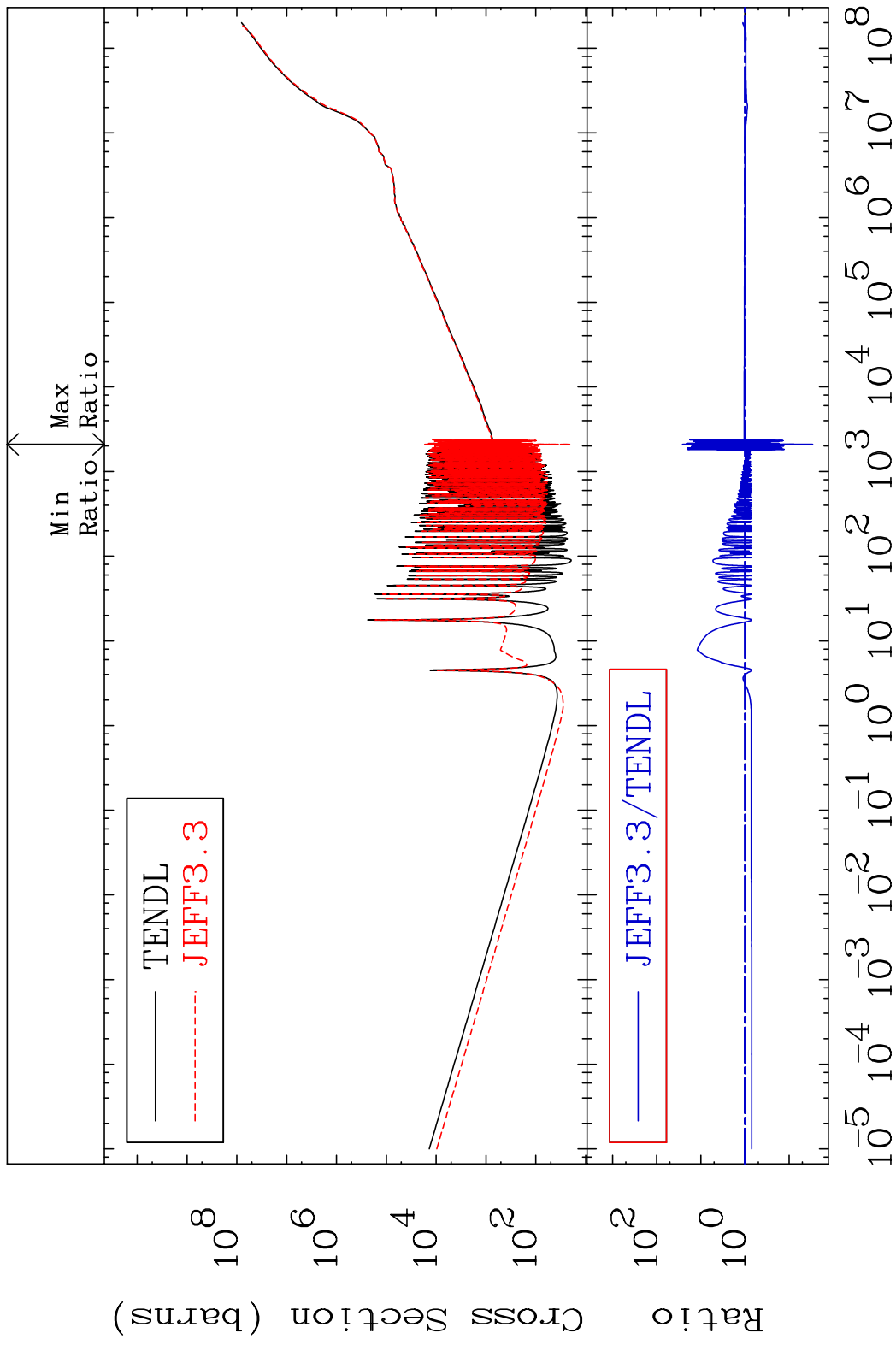
Total photon (eV-barns) 70-Yb-173
Cross Section -99.21 To 5658. %



73

Incident Energy (eV) 70-Yb-173

MAT 7040 Total kinematic kerma (high limit) 70-Yb-173
 Cross Section -97.06 To 2517. %



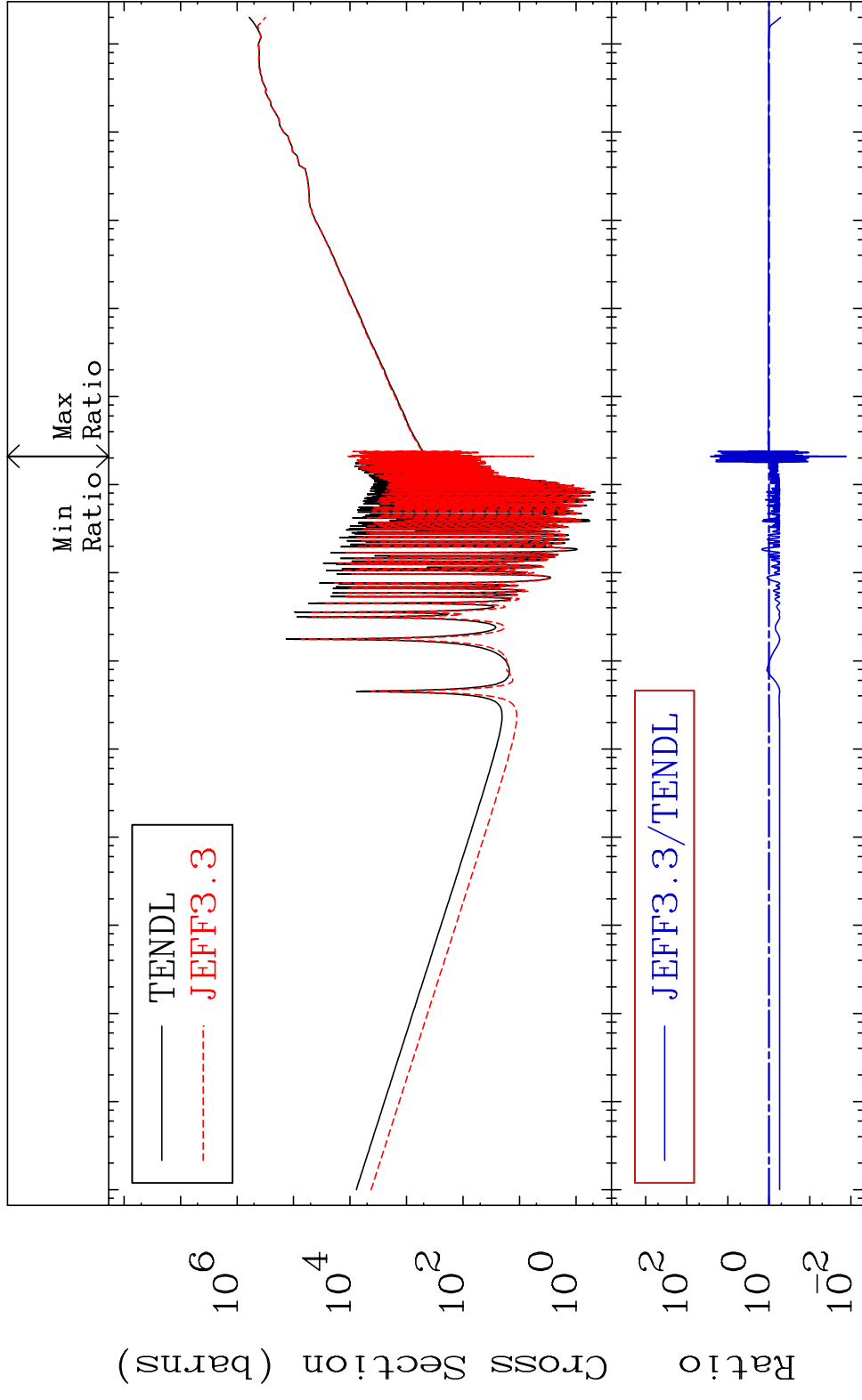
74 Incident Energy (eV) 70-Yb-173

MAT 7040

Dpa total (eV-barns)

70-Yb-173

Cross Section -98.71 To 2505. %



75

Incident Energy (eV)

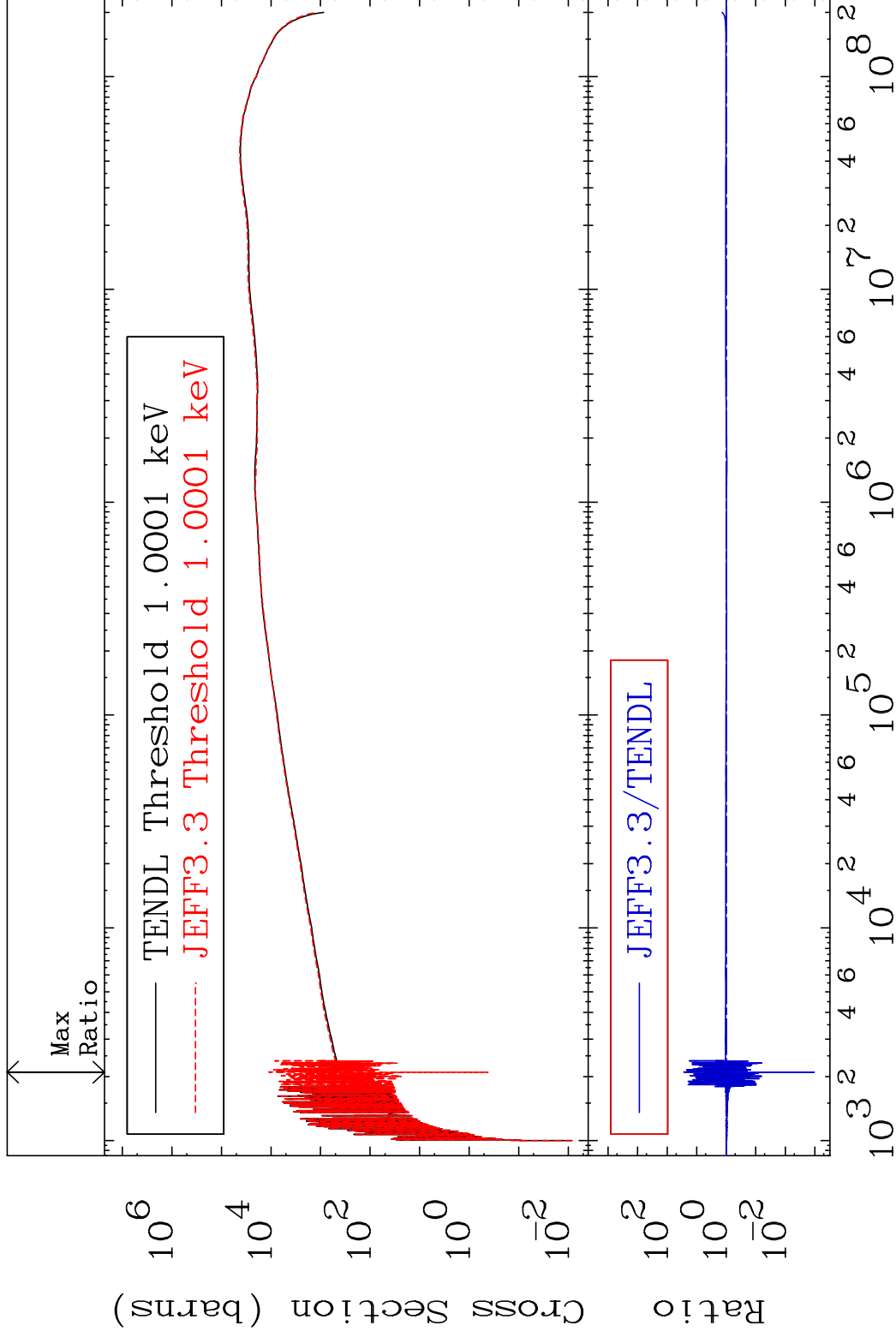
70-Yb-173

MAT 7040

Dpa elastic (mt2)

70-Yb-173

Cross Section -99.89 To 2665. %



76

Incident Energy (eV)

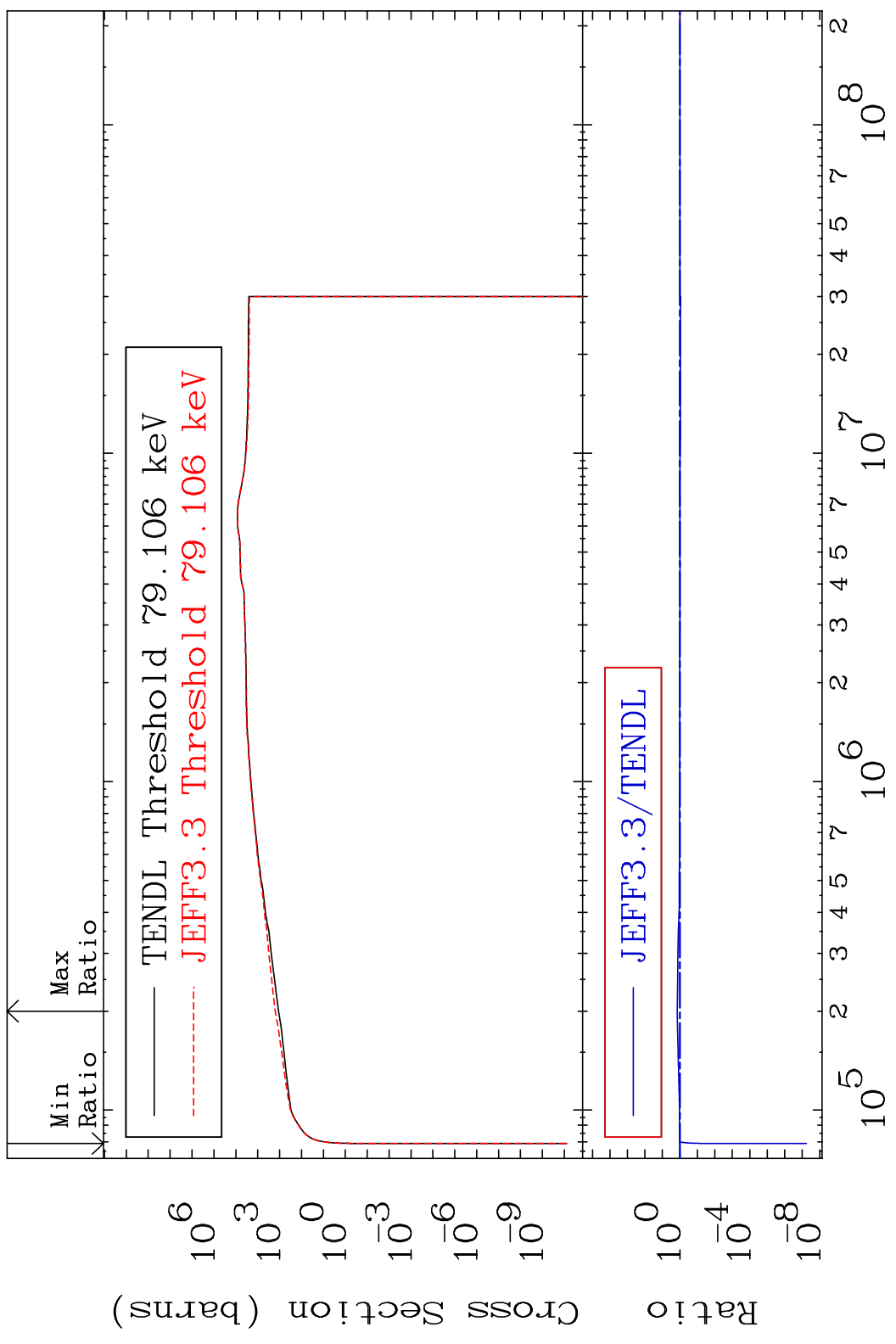
70-Yb-173

MAT 7040

Dpa inelastic (mt51-91)

70-Yb-173

Cross Section -100.0 To 42.43 %

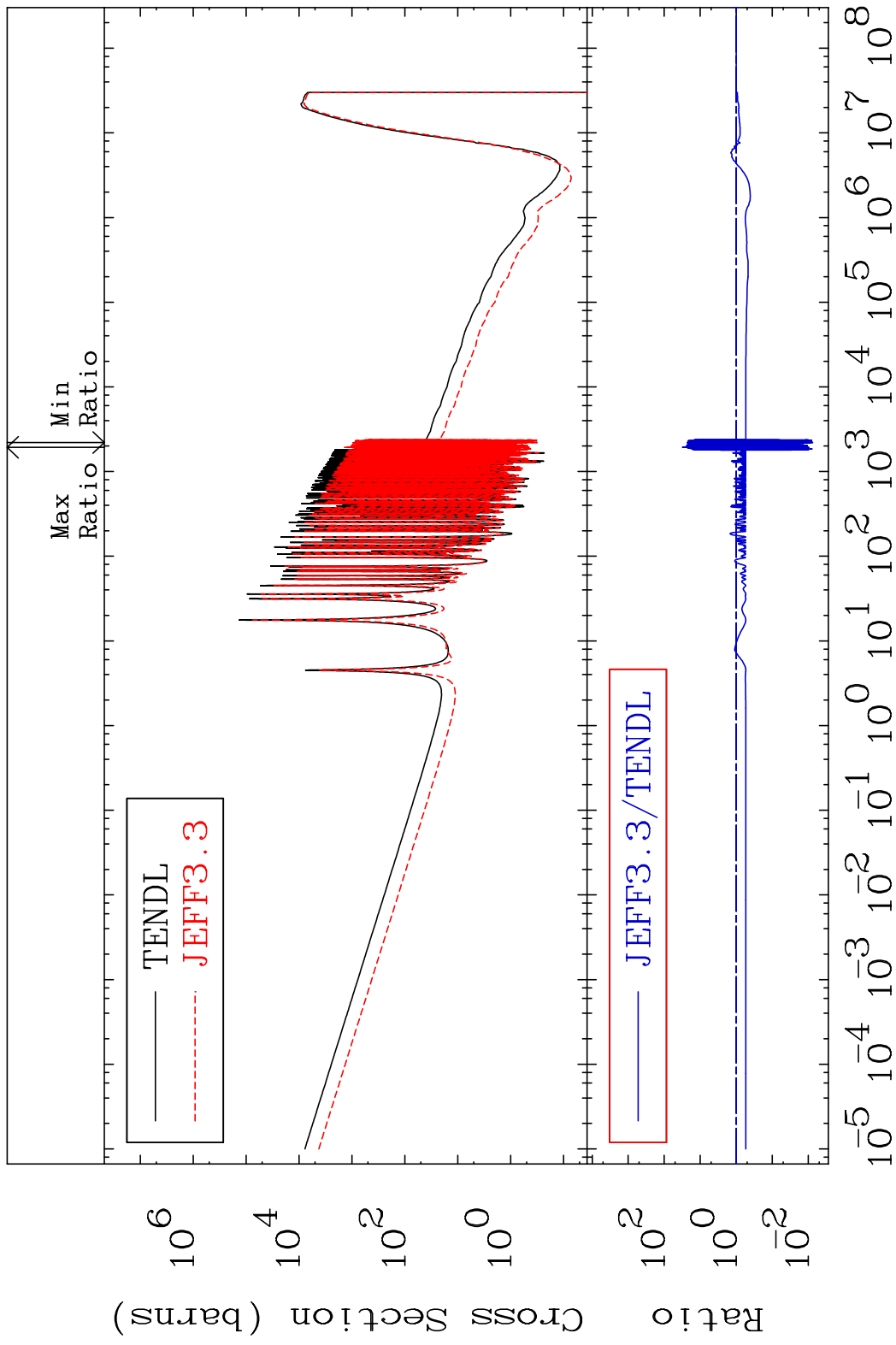


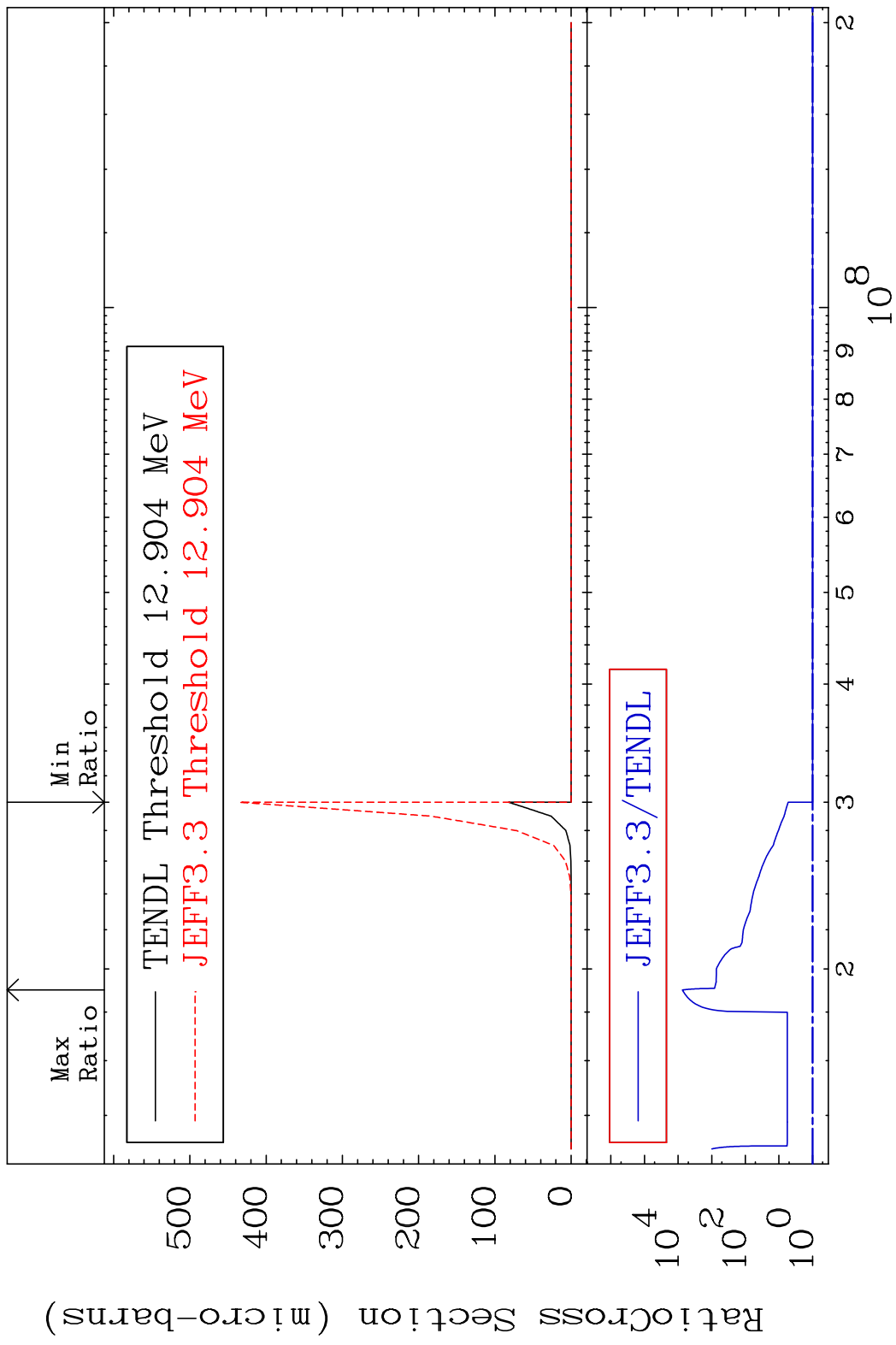
77

Incident Energy (eV)

70-Yb-173

MAT 7040 Dpa disappearance (mt102 -120) 70-Yb-173
 Cross Section -99.24 To 3040. %





MAT 7040 (n,3n) α :68-Er-167m3 70-Yb-173
 Radionuclide Production Cross Section 9999. %

