

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

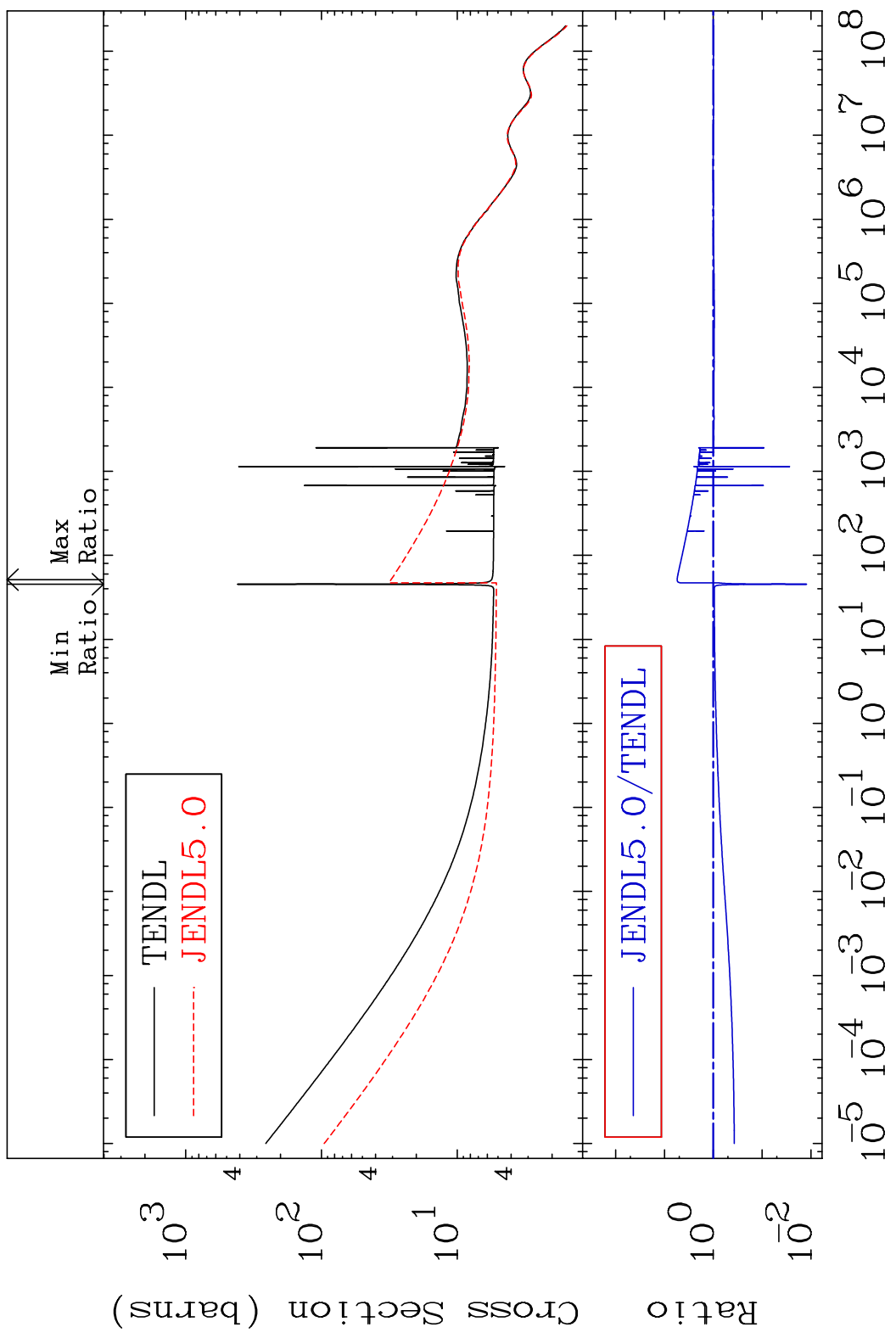
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 4126

Total Cross Section -98.76 To 449.6 %
41-Nb-93m



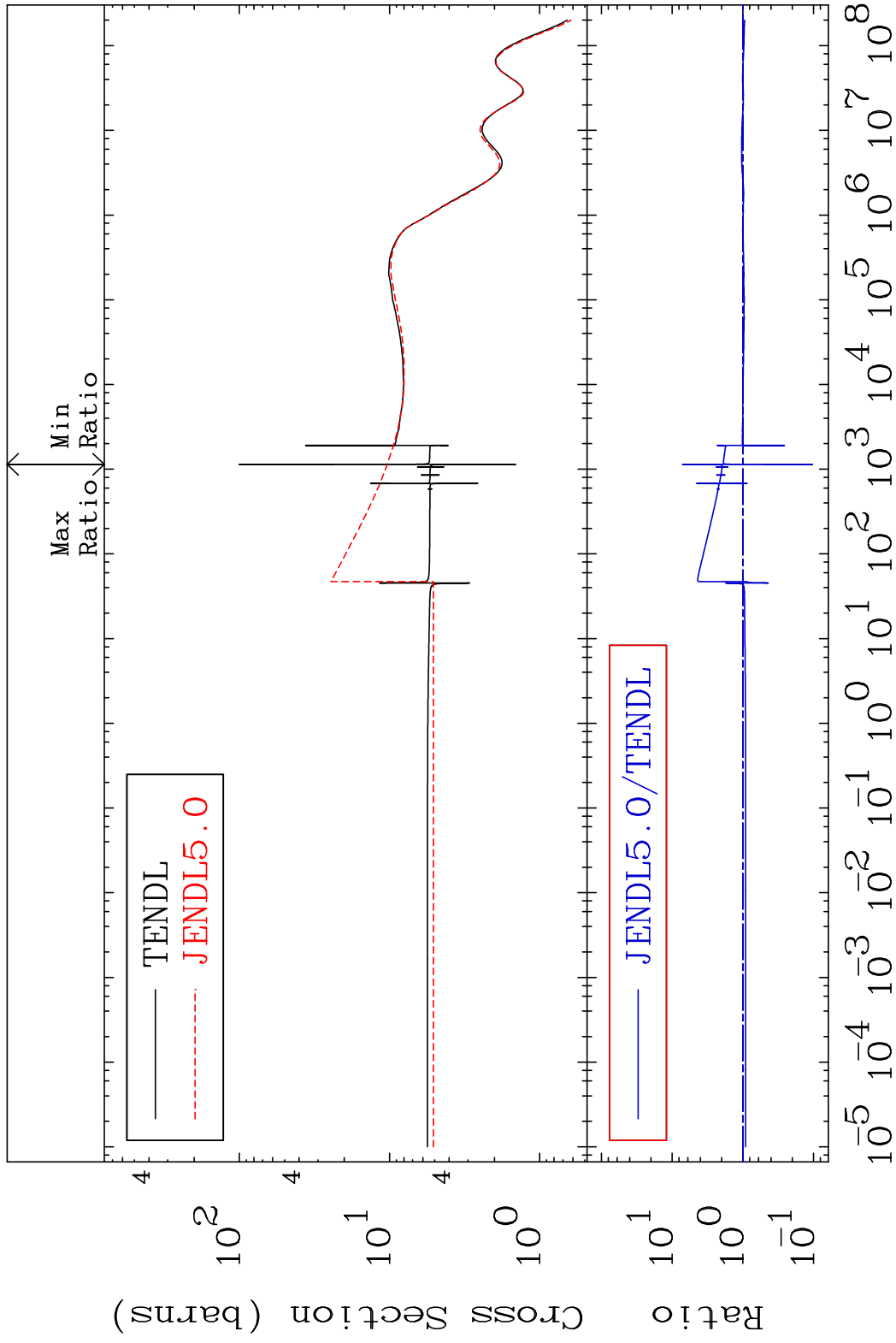
1 Incident Energy (eV) 41-Nb-93m

MAT 4126

Elastic

41-Nb-93m

Cross Section -89.66 To 617.8 %



2

Incident Energy (eV)

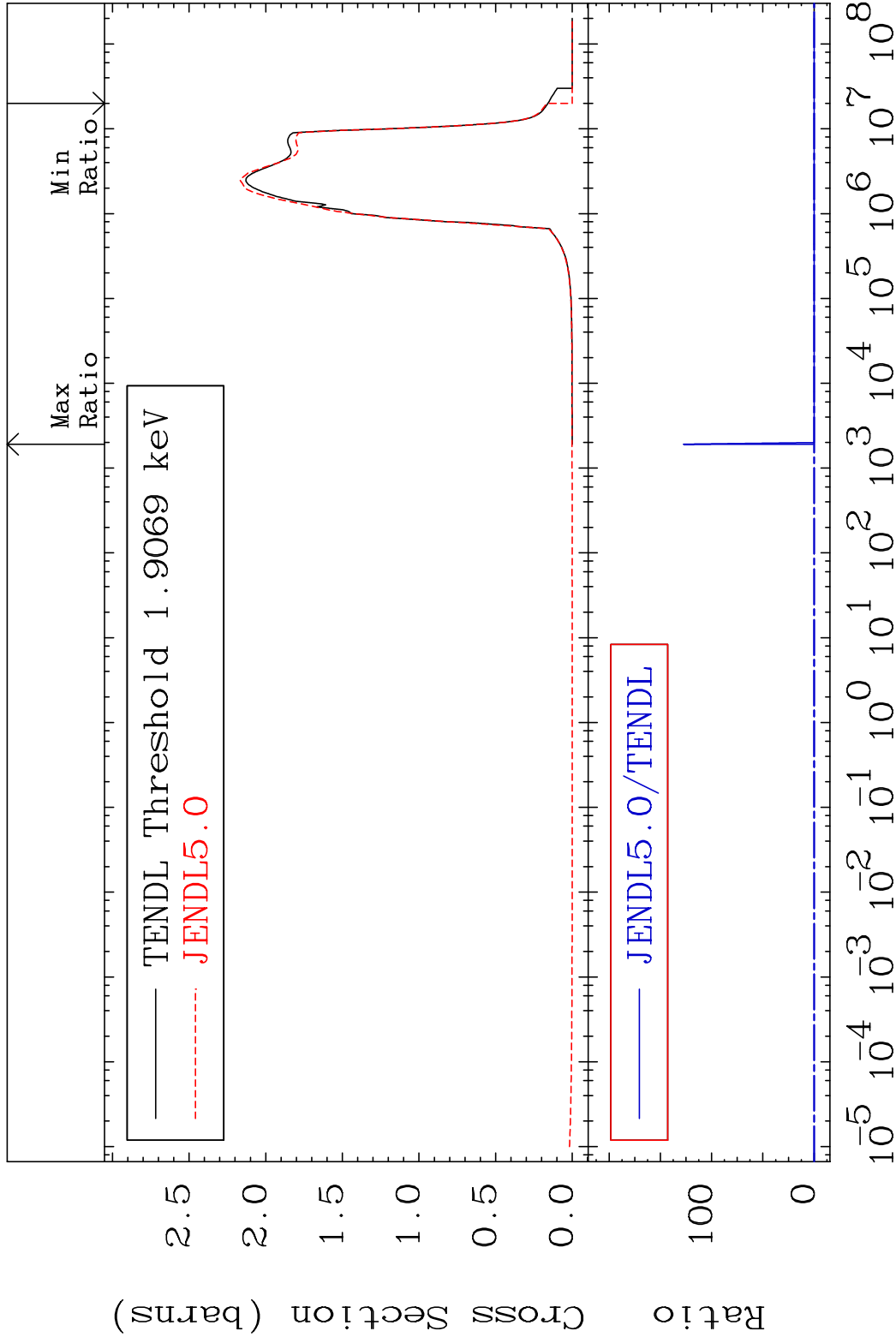
41-Nb-93m

MAT 4126

Inelastic

41-Nb-93m

Cross Section -100.0 To 9999. %



3

Incident Energy (eV)

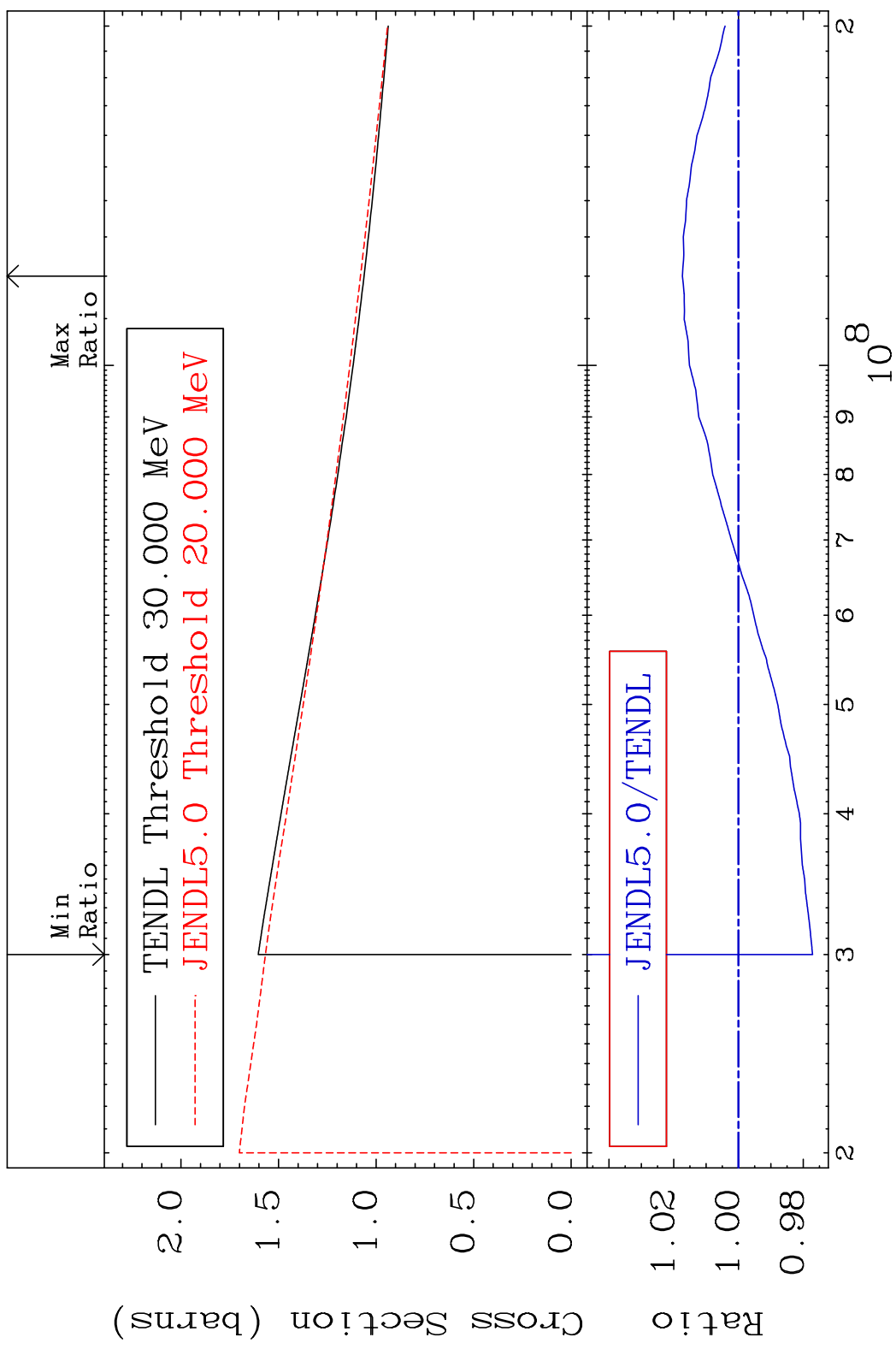
41-Nb-93m

MAT 4126

(n, remainder)

41-Nb-93m

Cross Section -2.290 To 1.733 %



4

Incident Energy (eV)

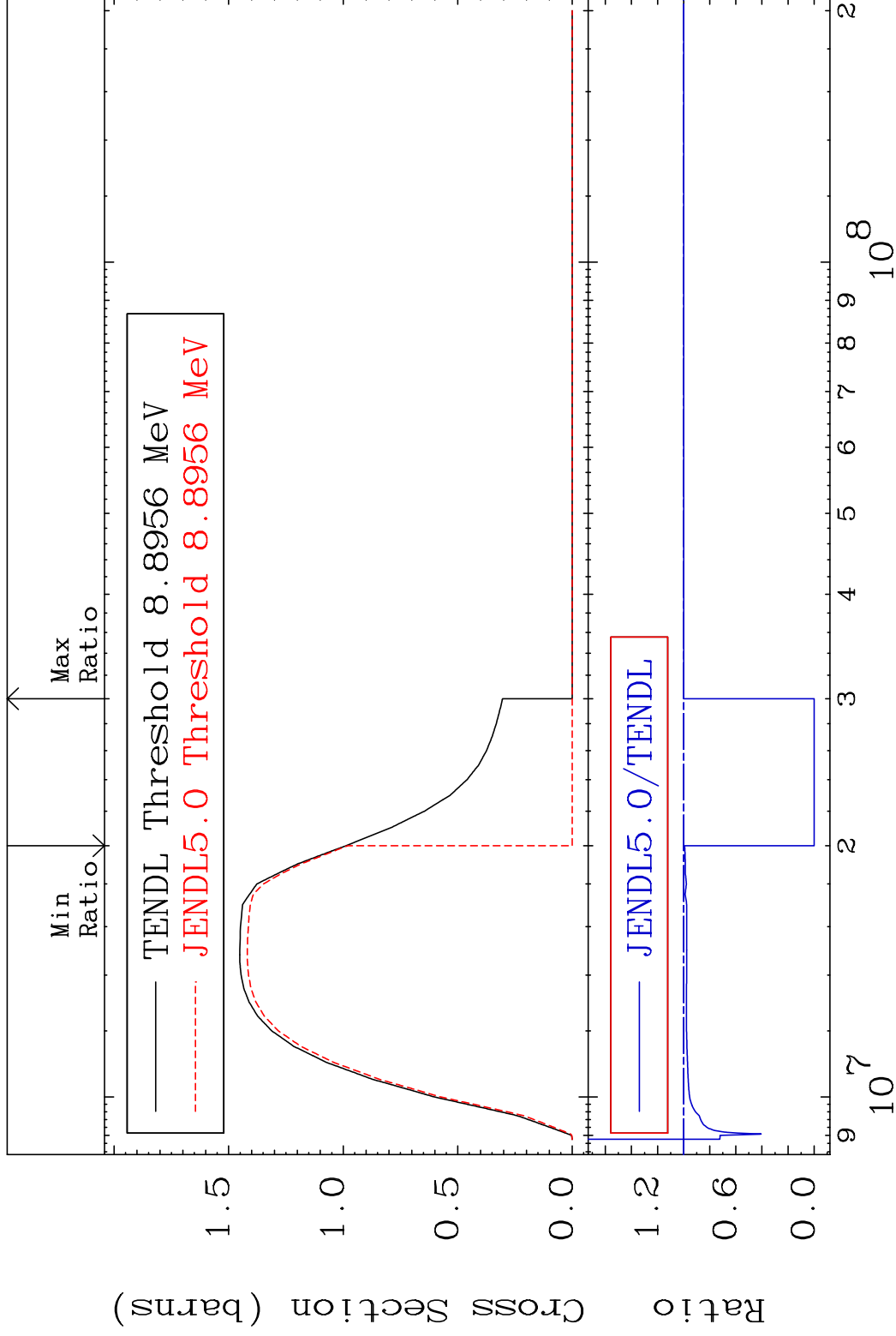
41-Nb-93m

MAT 4126

(n,2n)

41-Nb-93m

Cross Section -100.0 To 0.000 %



5

Incident Energy (eV)

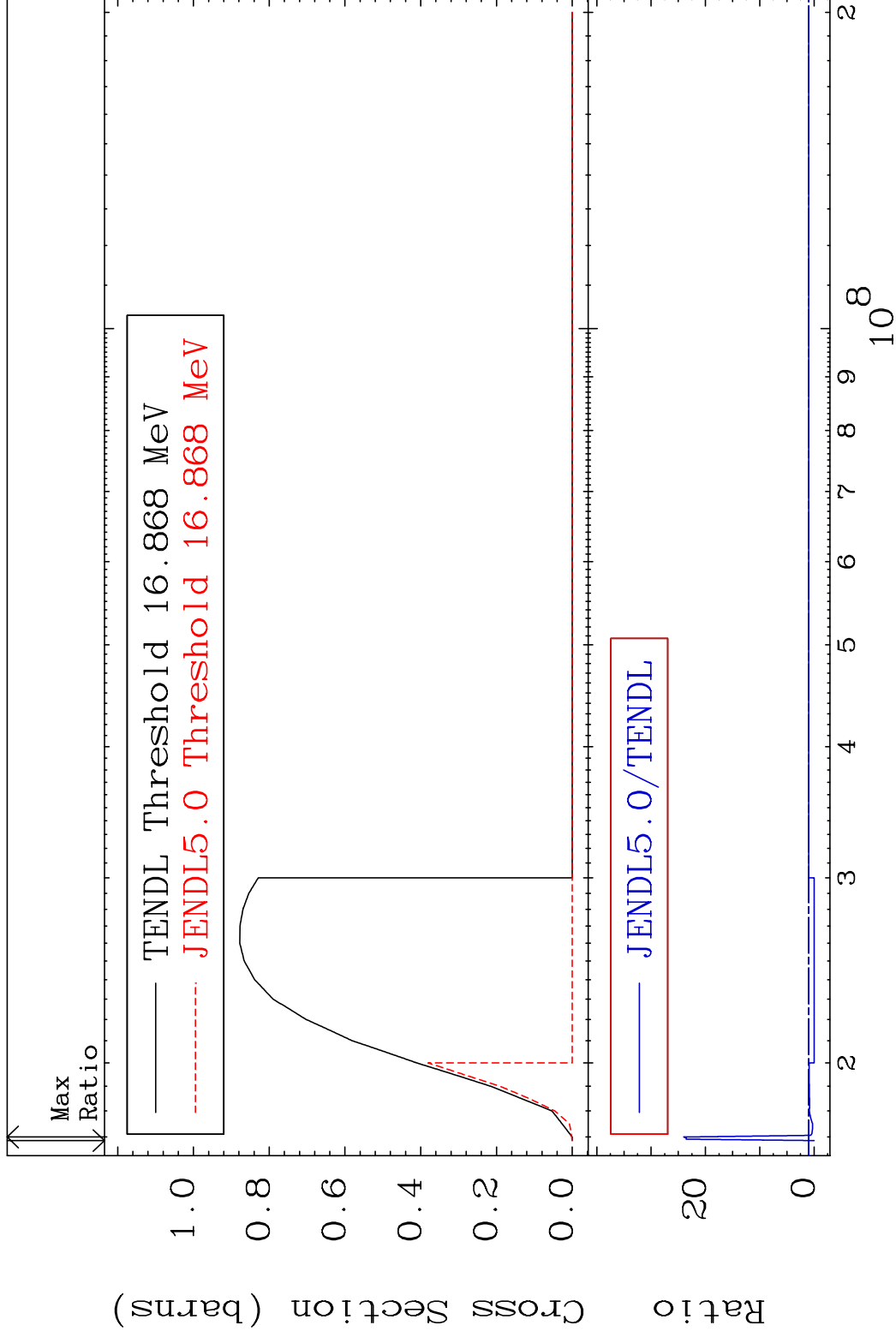
41-Nb-93m

MAT 4126

(n,3n)

41-Nb-93m

Cross Section -100.0 To 2301. %

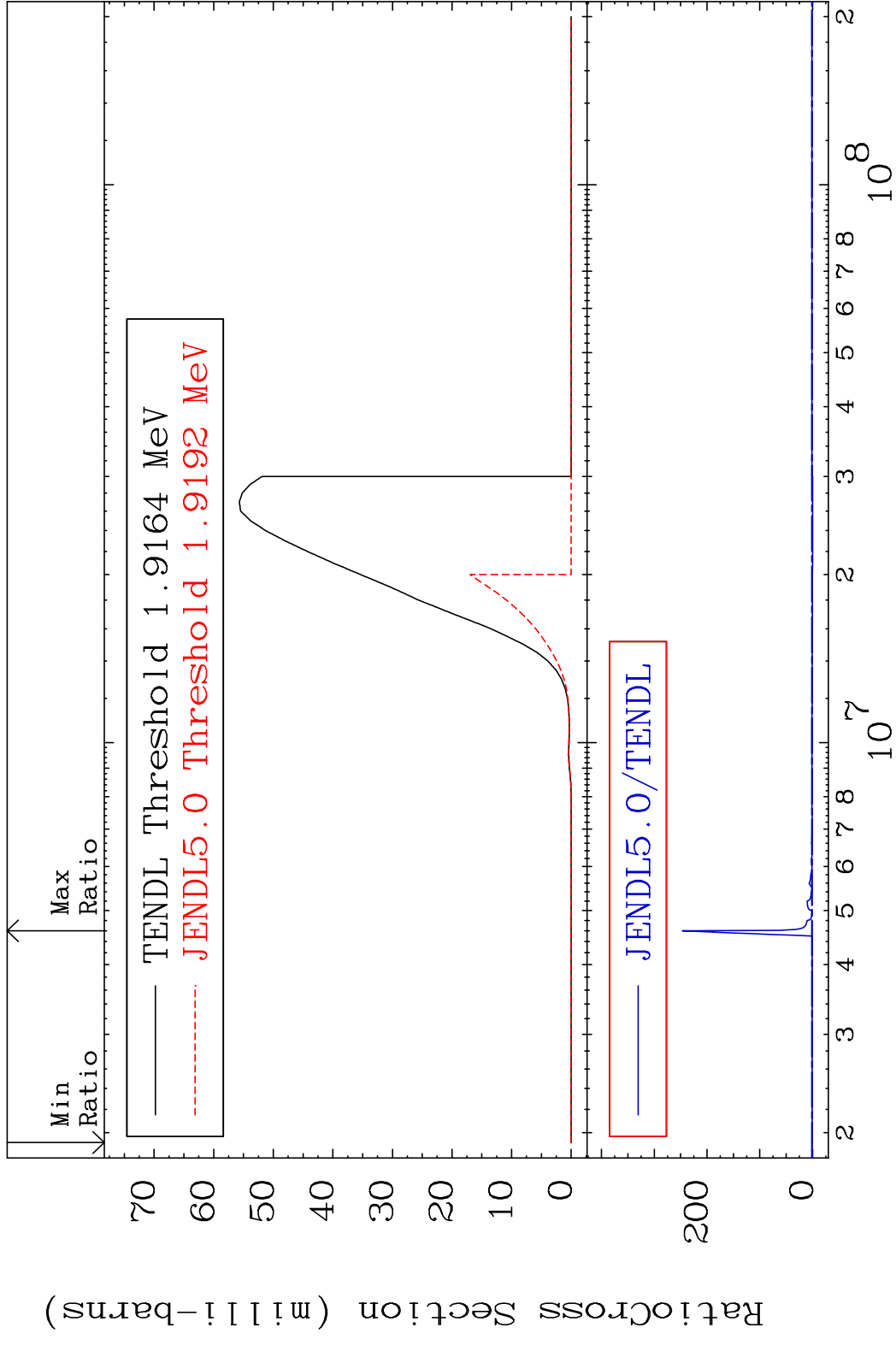


6

Incident Energy (eV)

41-Nb-93m

MAT 4126 (n, n') α 41-Nb-93m
 Cross Section -100.0 To 9999. %

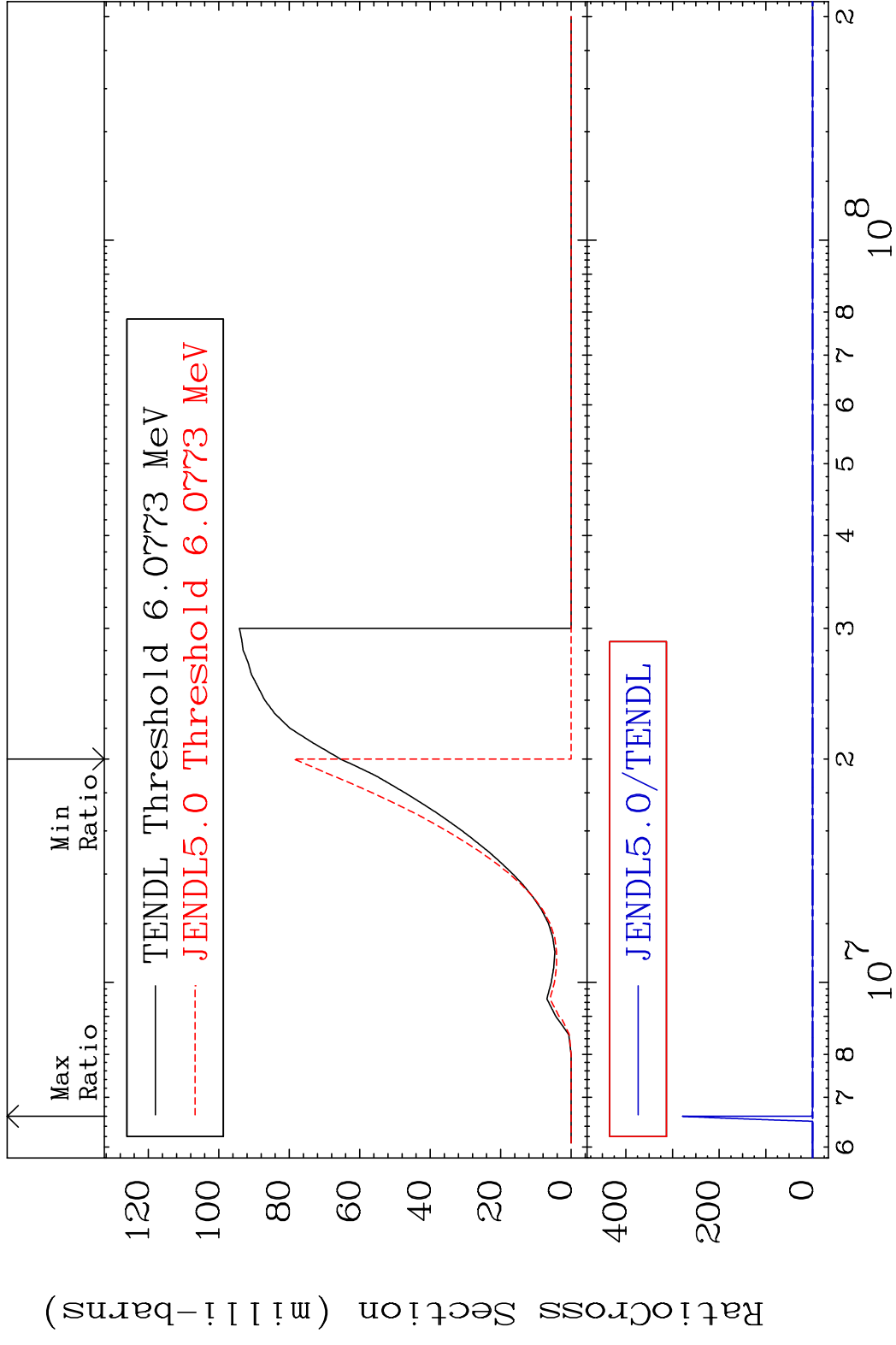


MAT 4126

41-Nb-93m

(n, n') p

Cross Section -100.0 To 9999. %

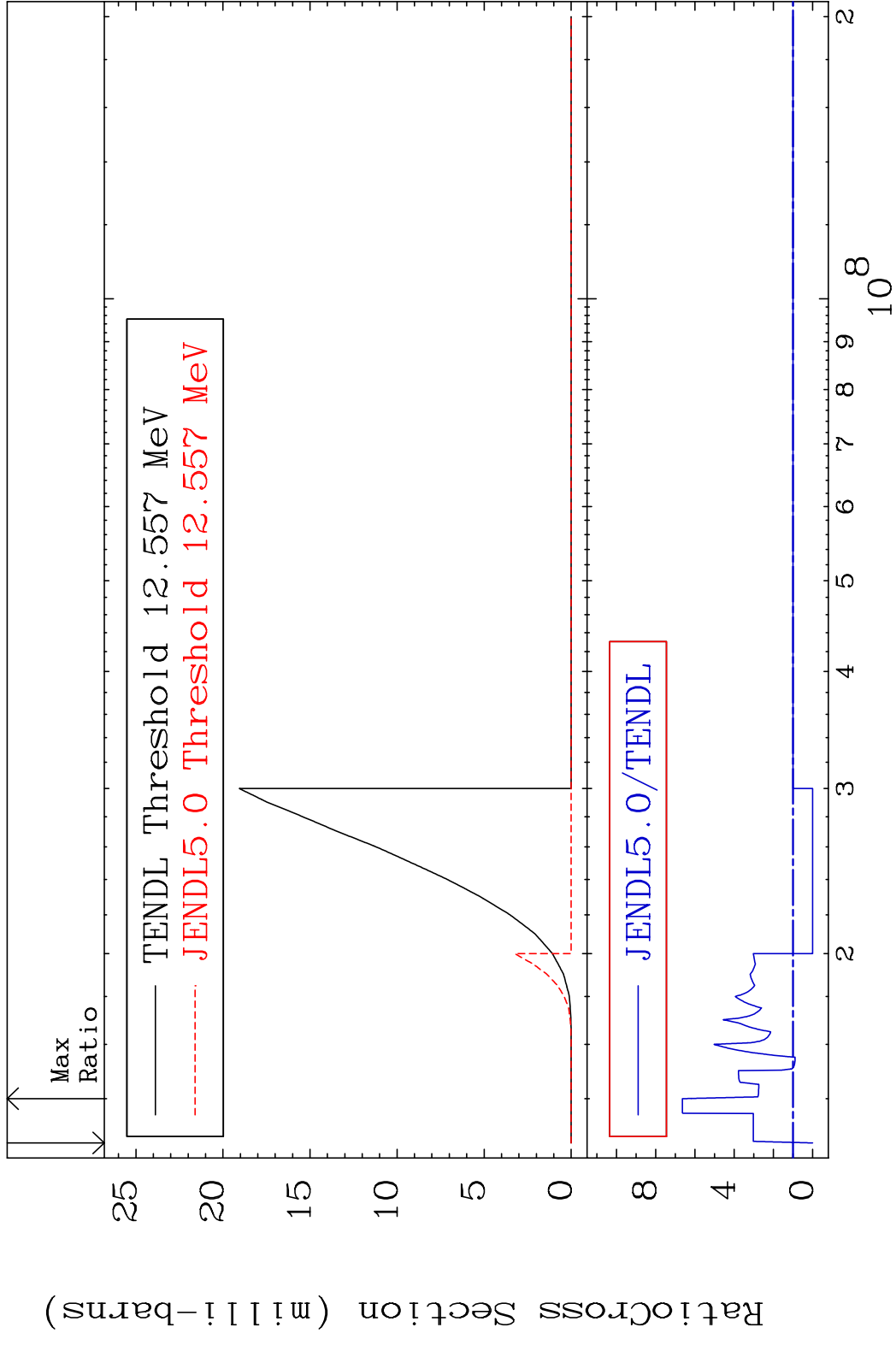


8

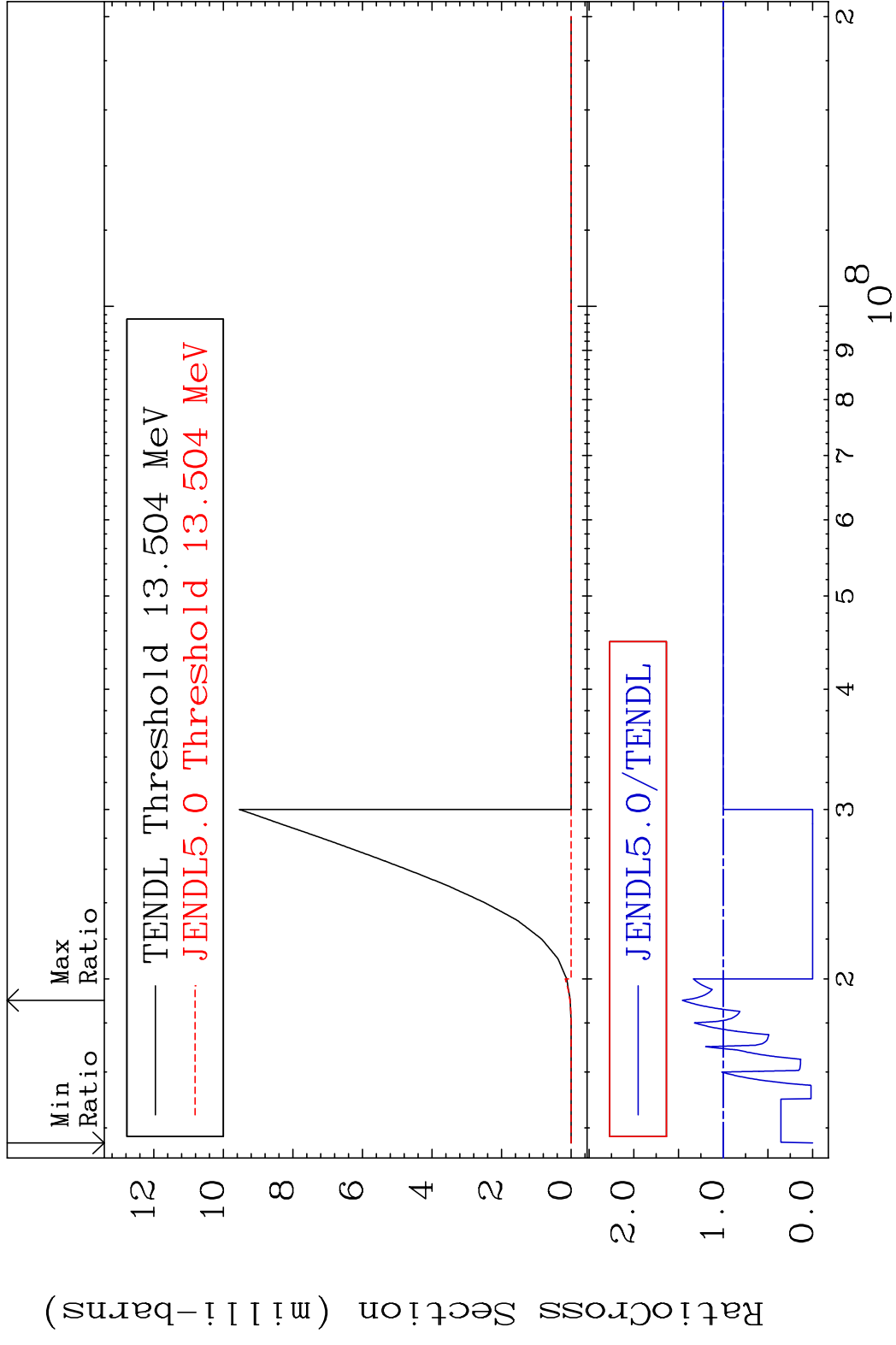
Incident Energy (eV)

41-Nb-93m

MAT 4126 (n, n') d 41-Nb-93m
 Cross Section -100.0 To 563.8 %

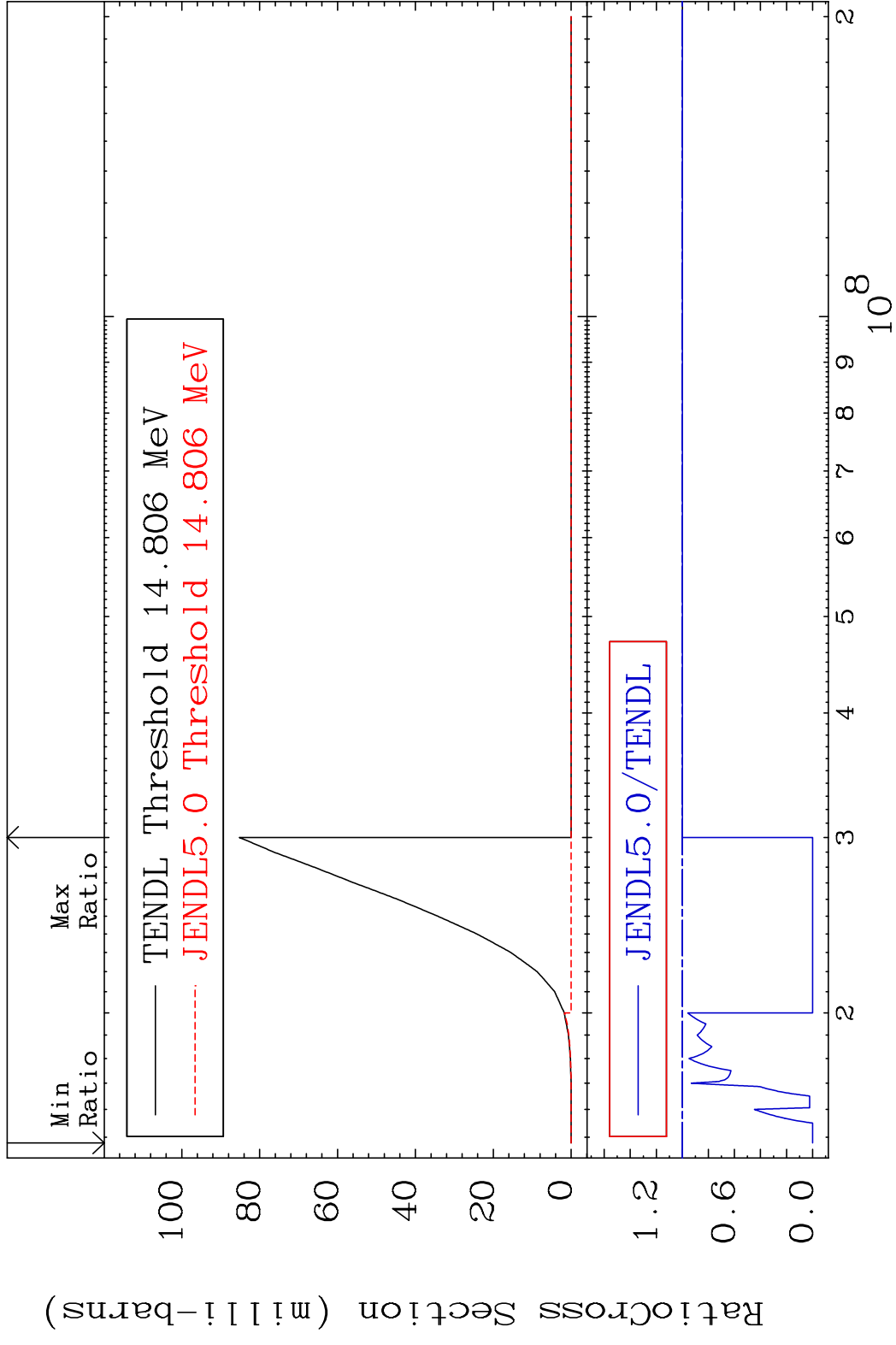


MAT 4126 (n, n') t 41-Nb-93m
 Cross Section -100.0 To 45.66 %

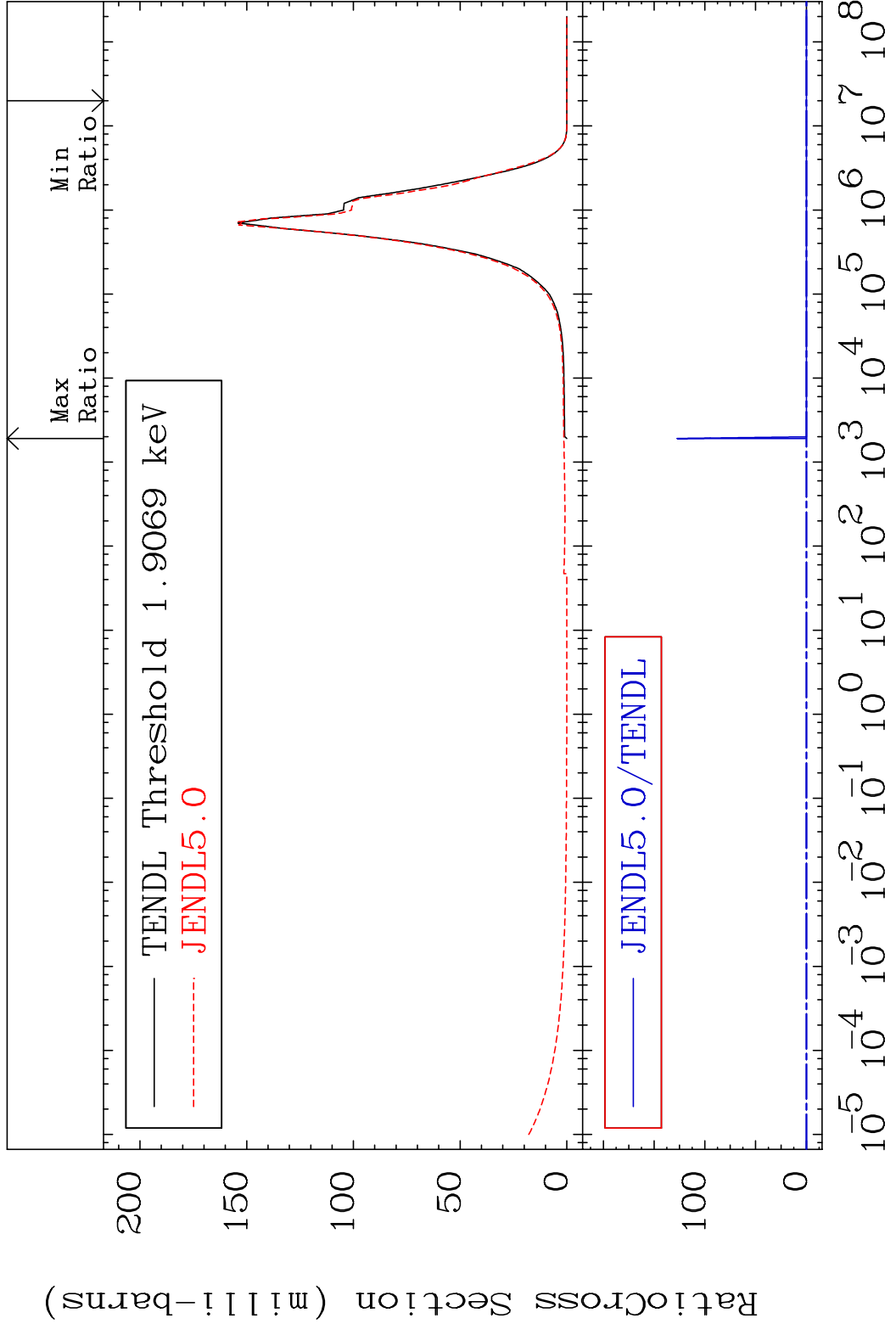


10 Incident Energy (eV) 41-Nb-93m

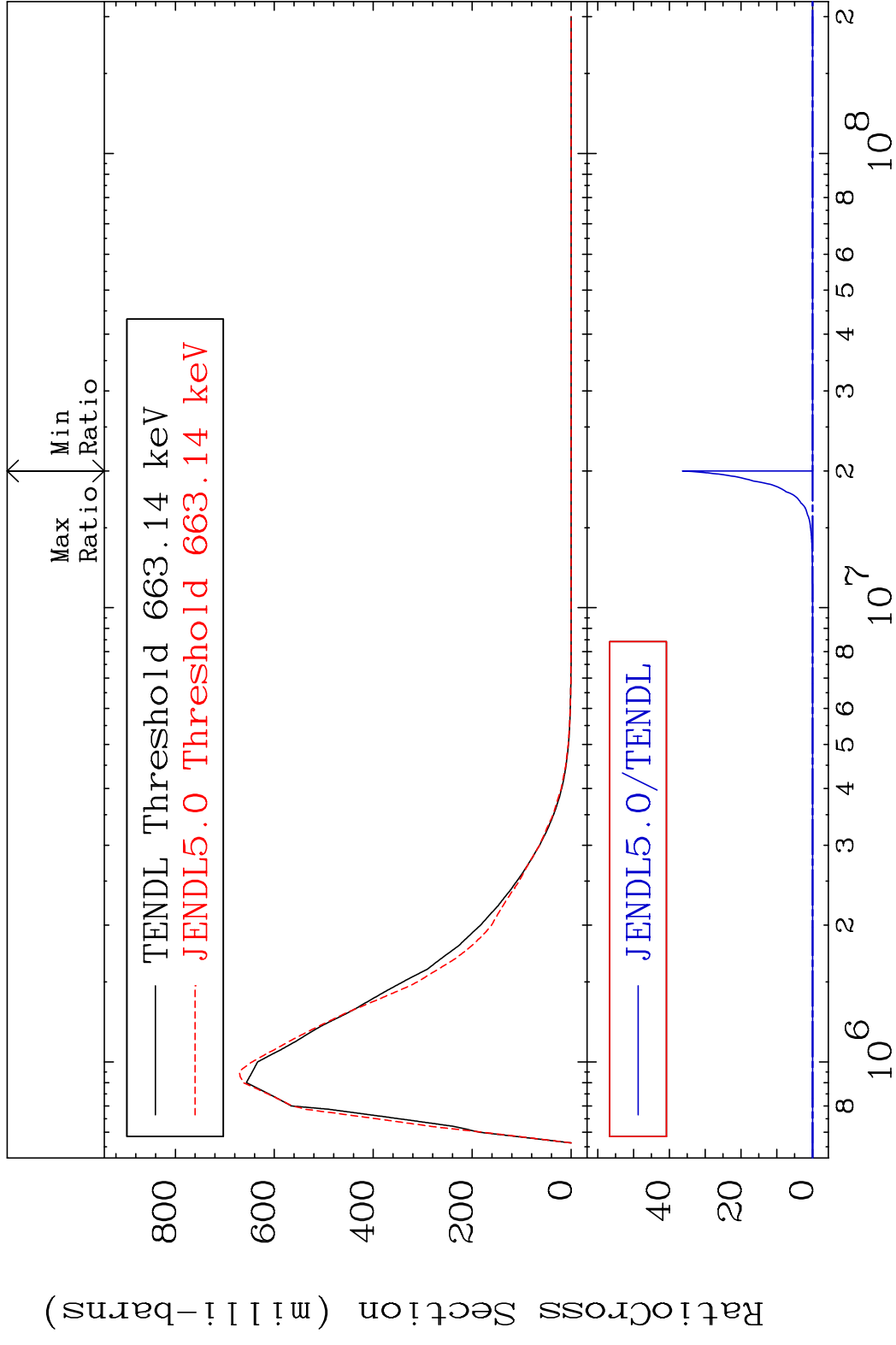
MAT 4126 (n,2n) p 41-Nb-93m
 Cross Section -100.0 To 0.000 %



MAT 4126 MT= 51 (n,n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %

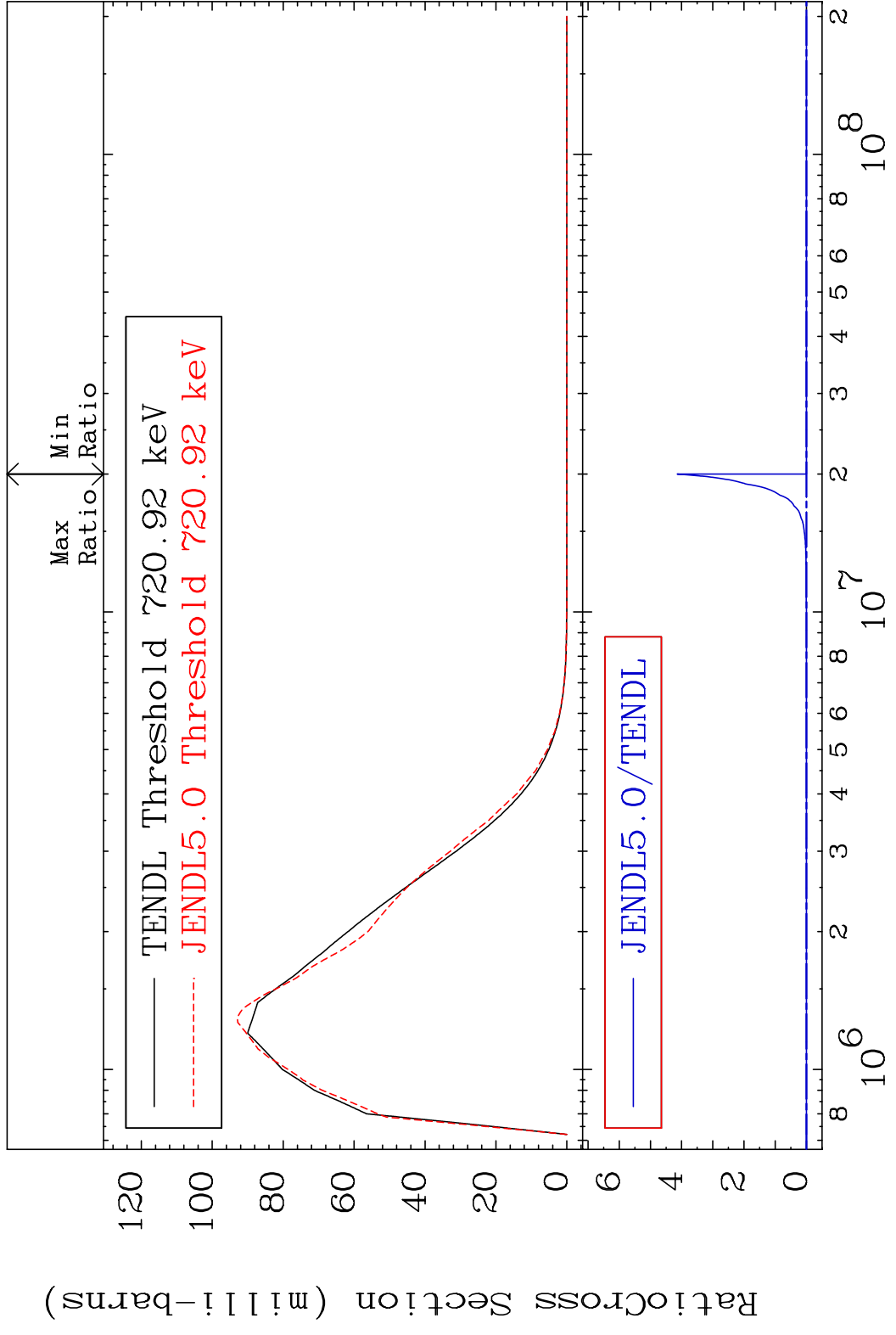


MAT 4126 MT= 52 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %



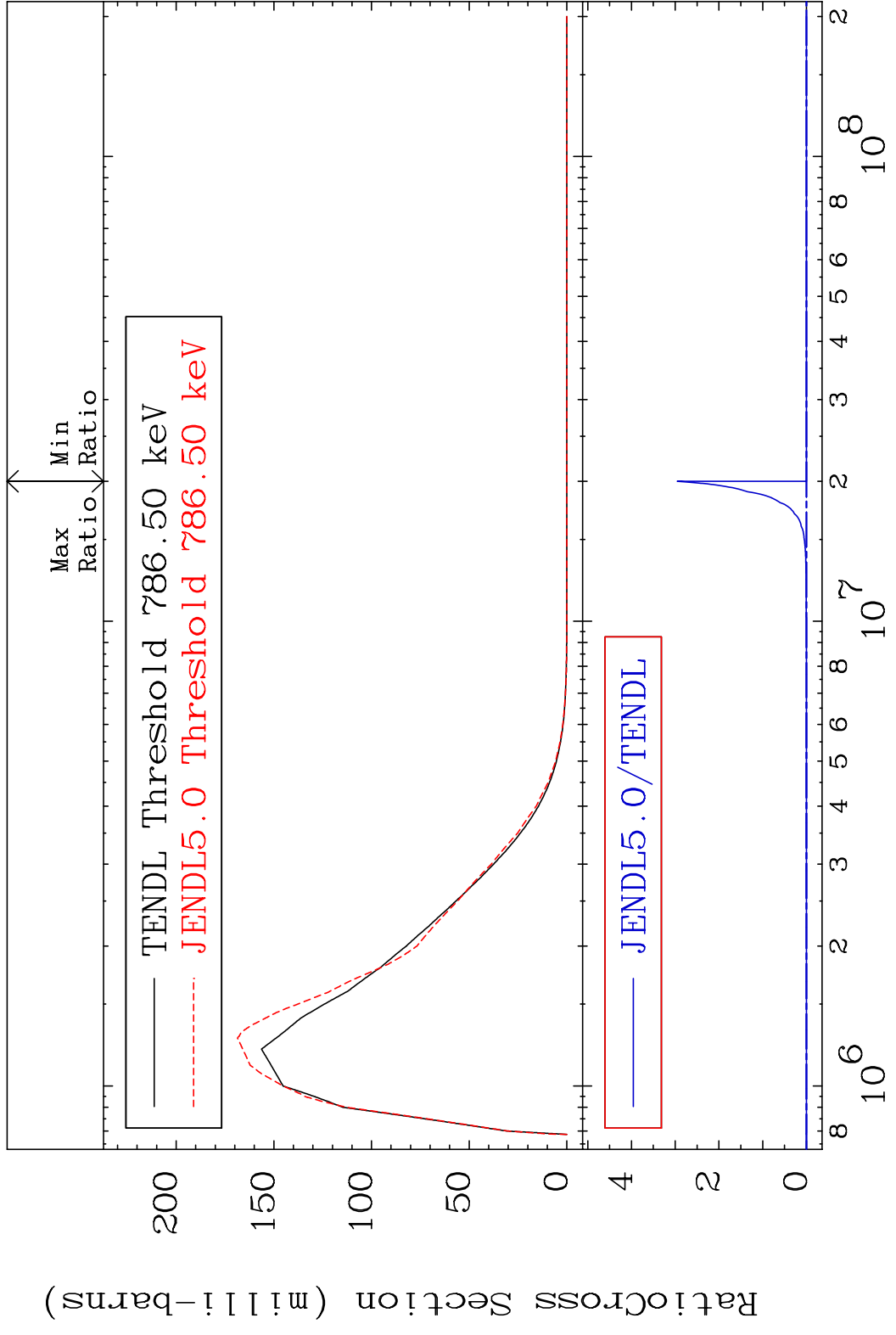
13 Incident Energy (eV) 41-Nb-93m

MAT 4126 MT= 53 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %



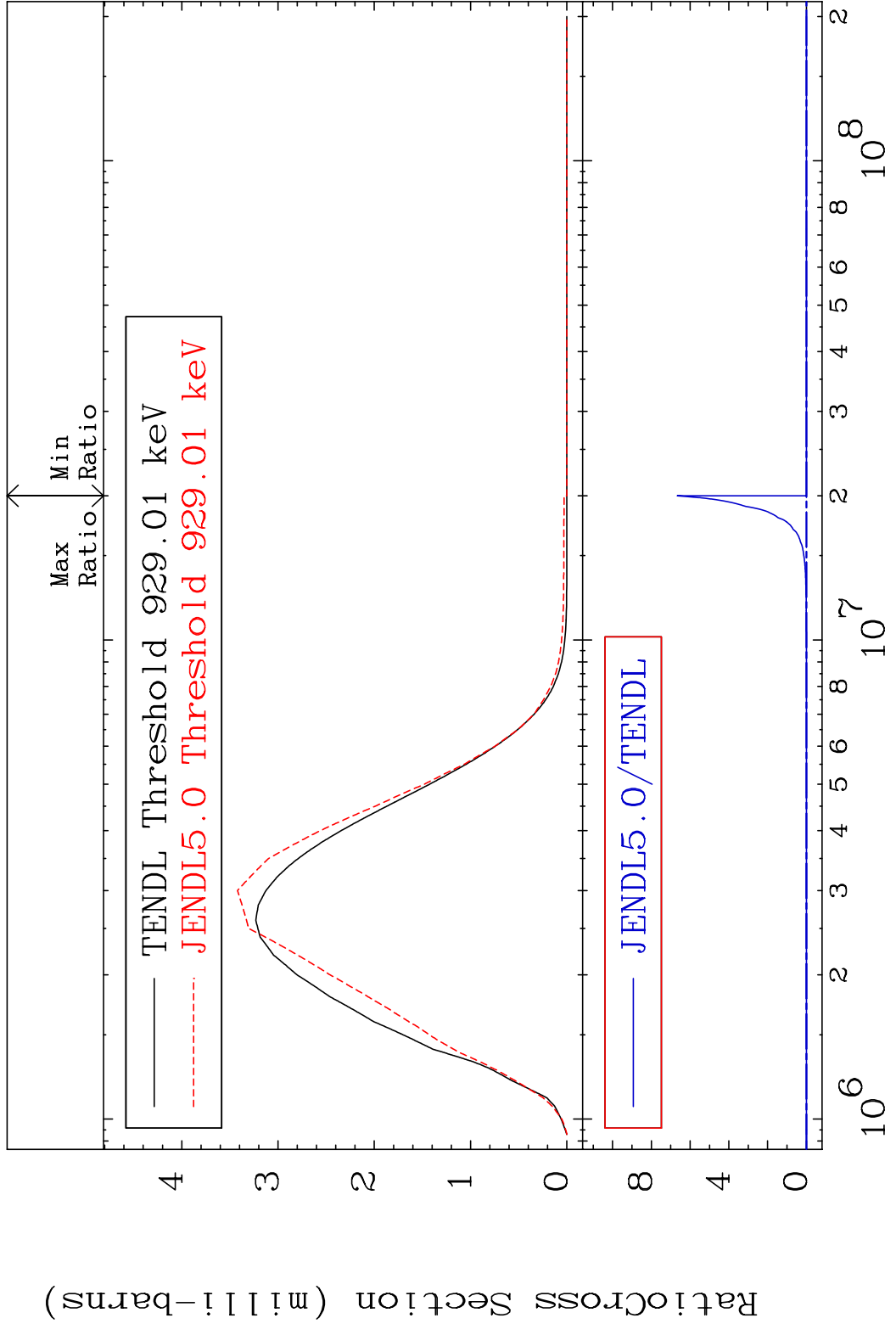
14 Incident Energy (eV) 41-Nb-93m

MAT 4126 MT= 54 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %



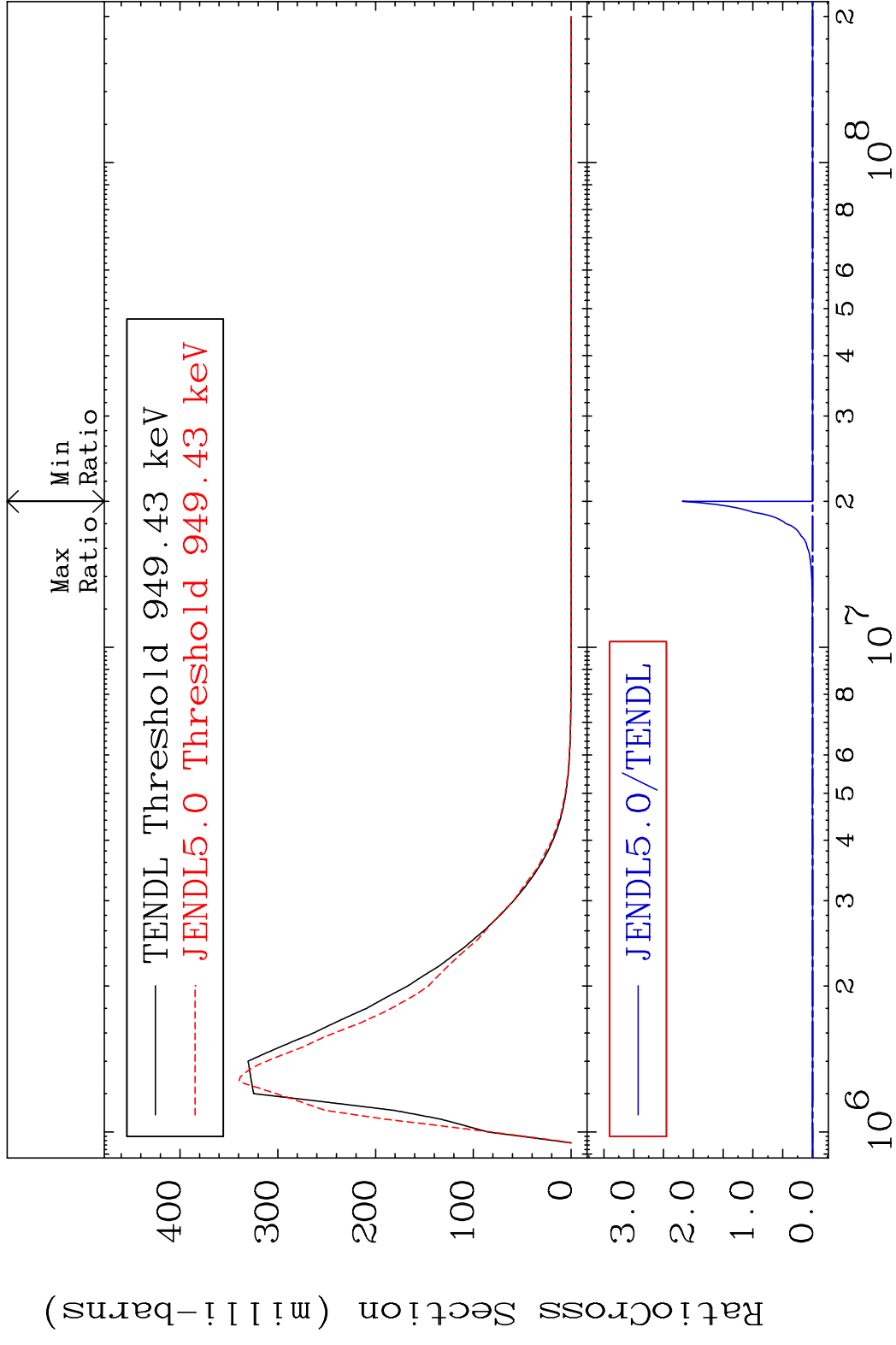
15 Incident Energy (eV) 41-Nb-93m

MAT 4126 MT= 56 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %



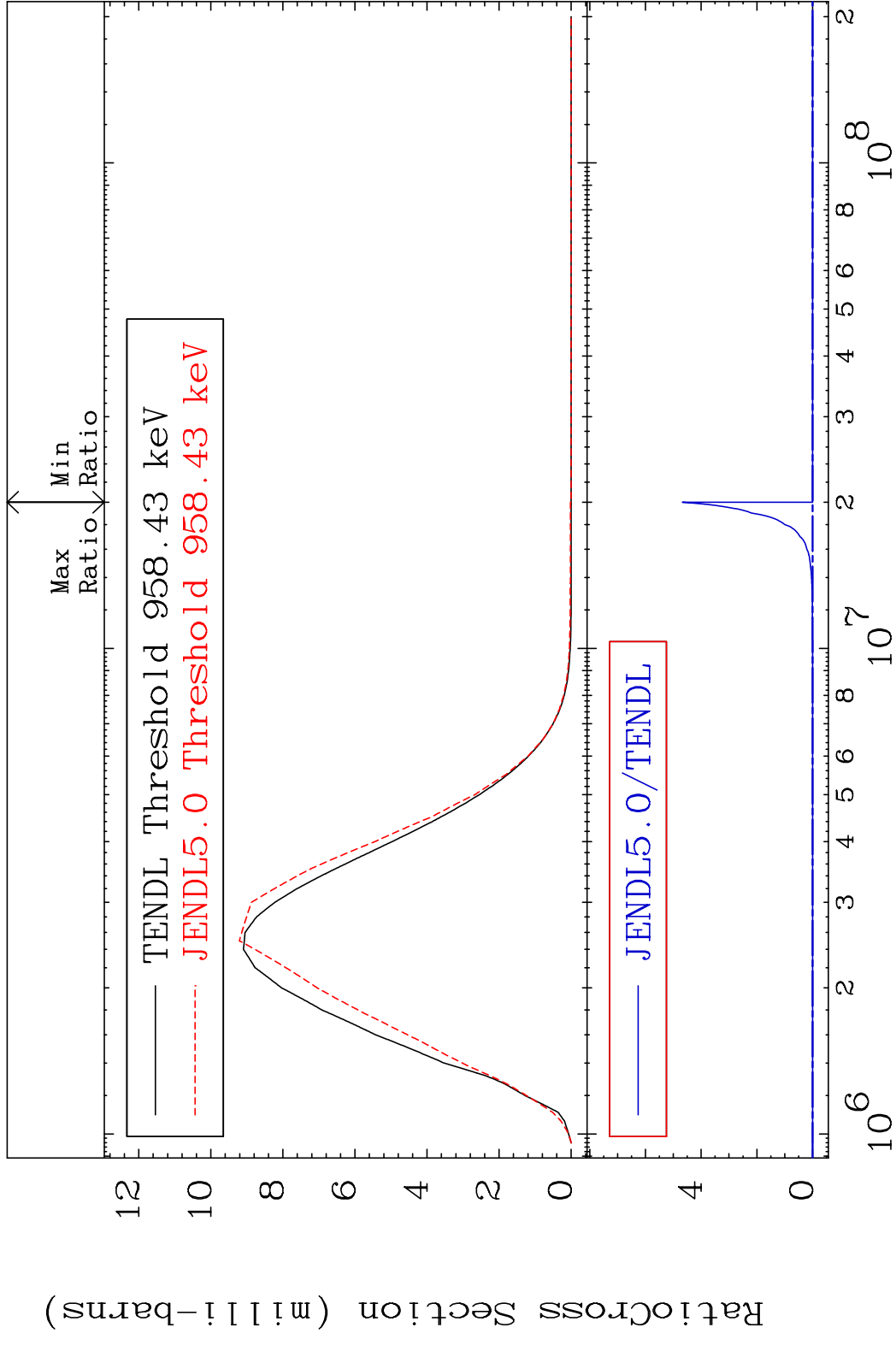
17 41-Nb-93m

MAT 4126 MT= 57 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %



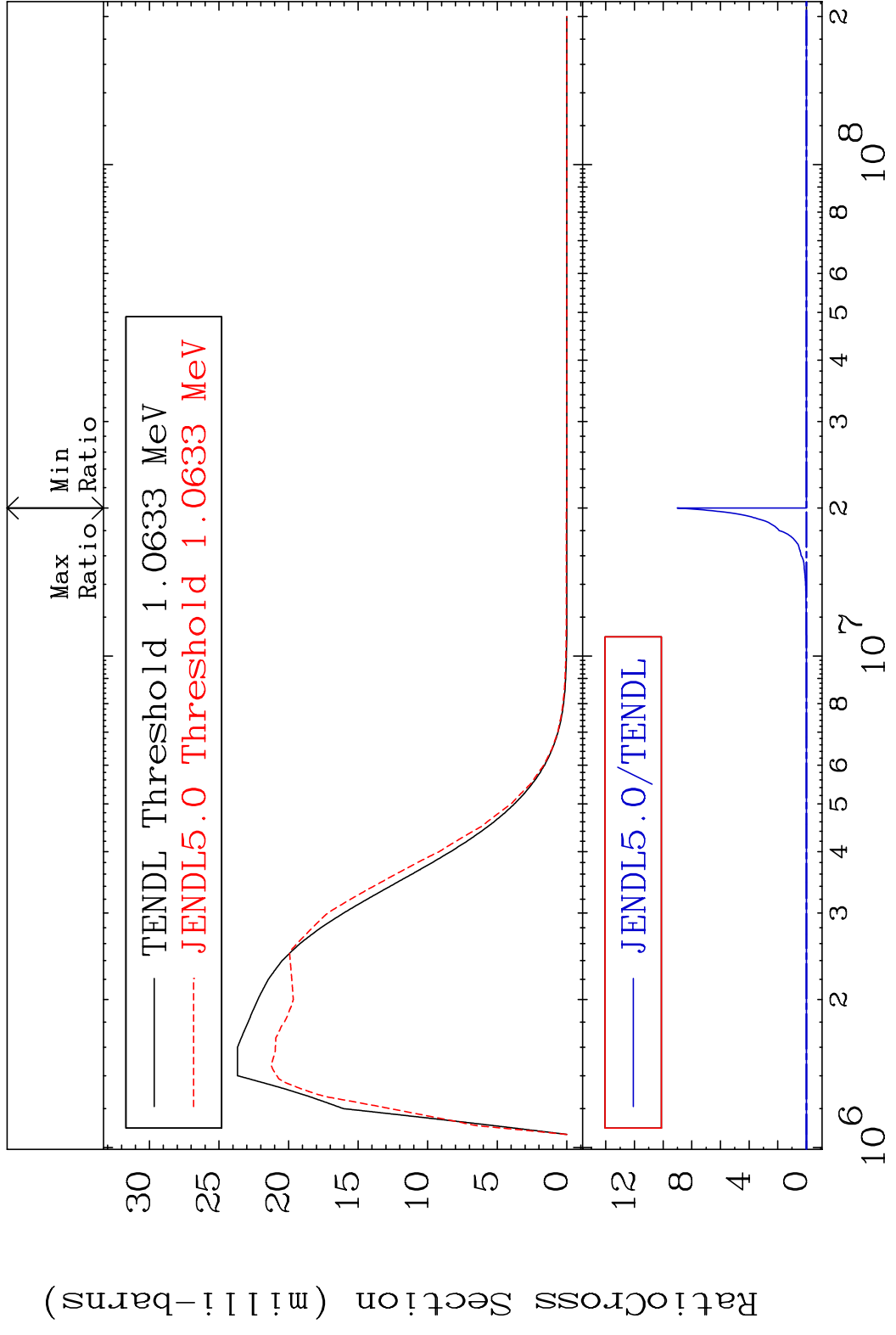
18 Incident Energy (eV) 41-Nb-93m

MAT 4126 MT= 58 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %



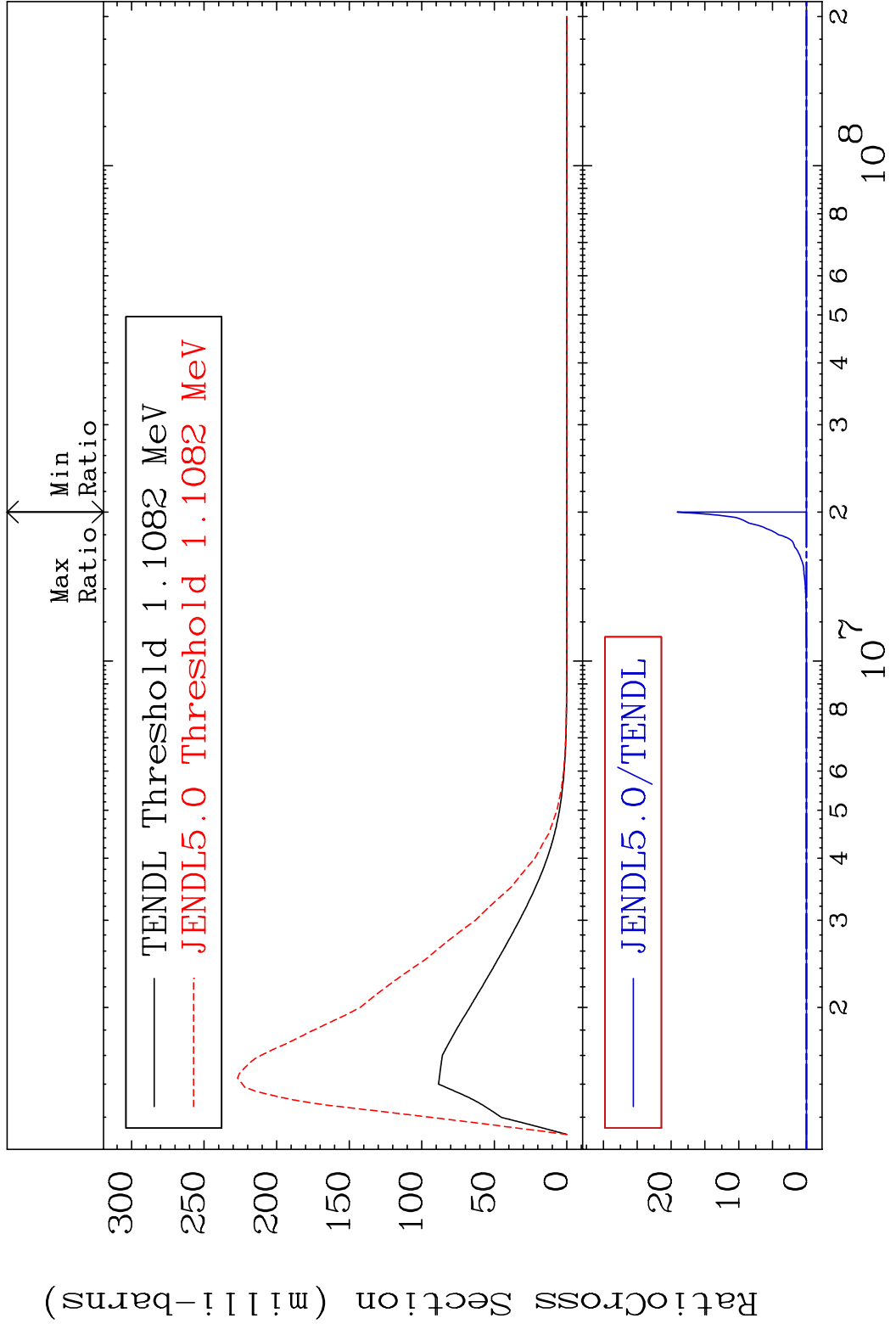
19 Incident Energy (eV) 41-Nb-93m

MAT 4126 MT= 59 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %

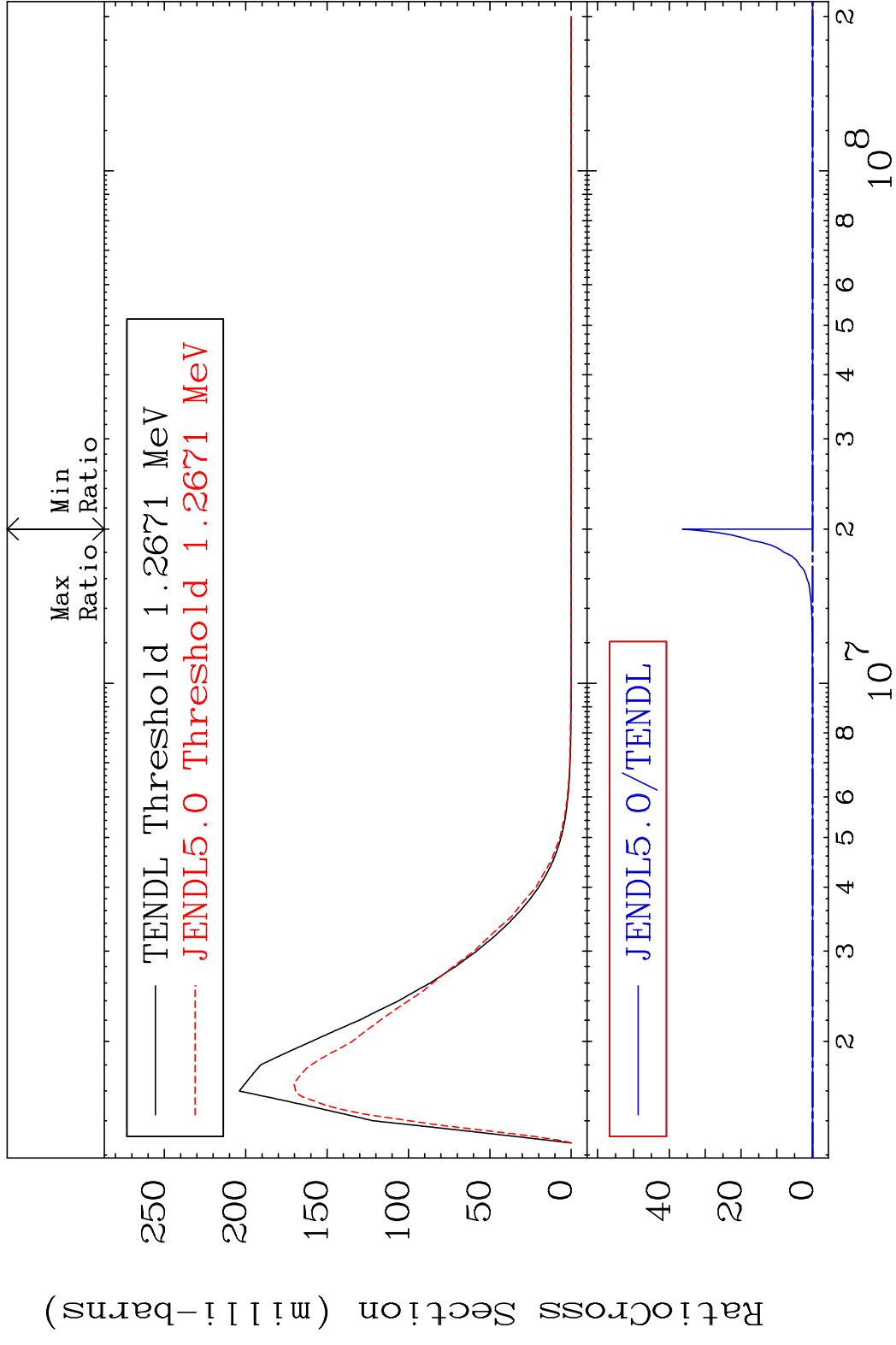


20 41-Nb-93m

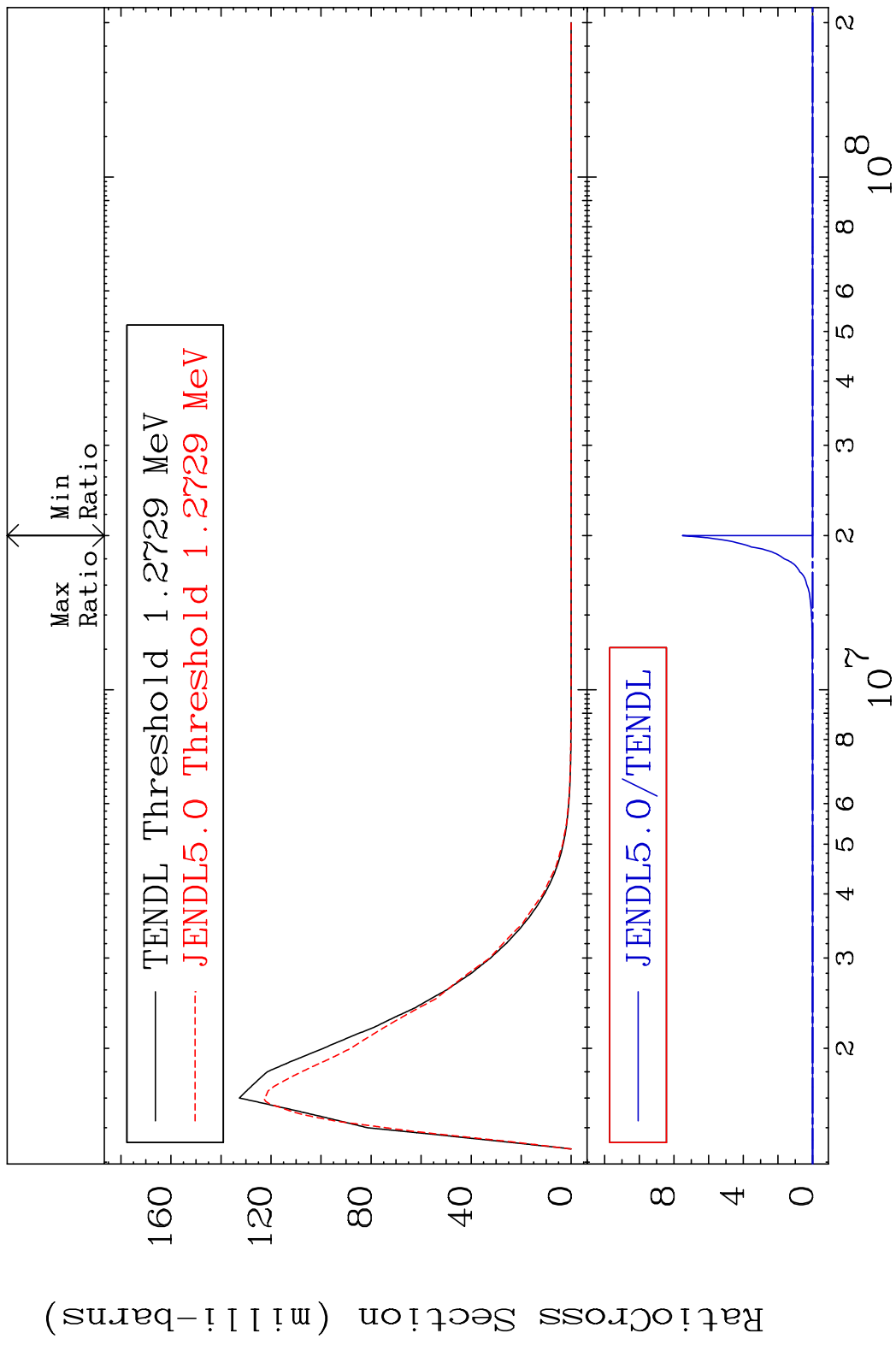
MAT 4126 MT= 60 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %



MAT 4126 MT= 61 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %

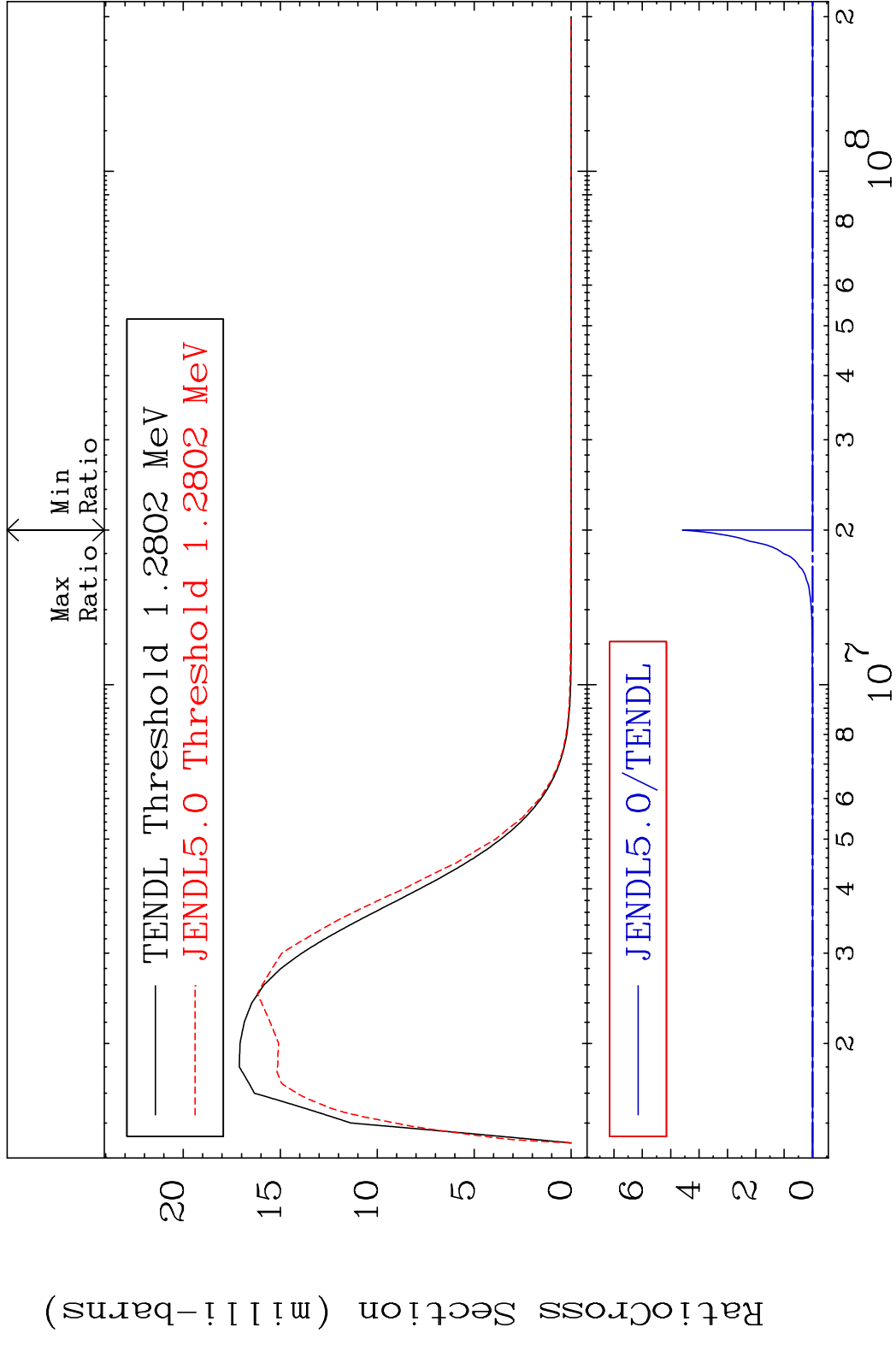


MAT 4126 MT= 62 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %

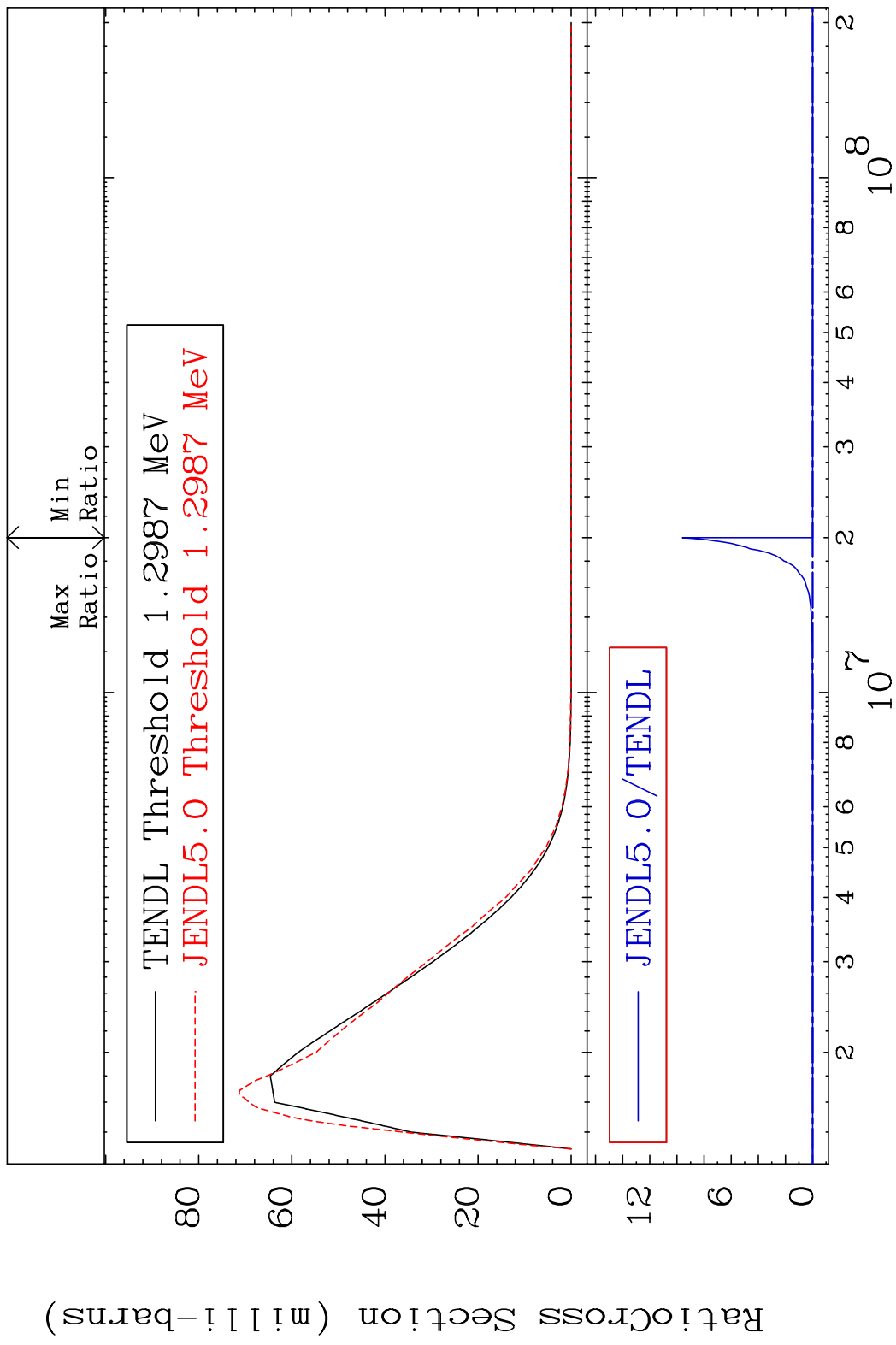


23 Incident Energy (eV) 41-Nb-93m

MAT 4126 MT= 63 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %

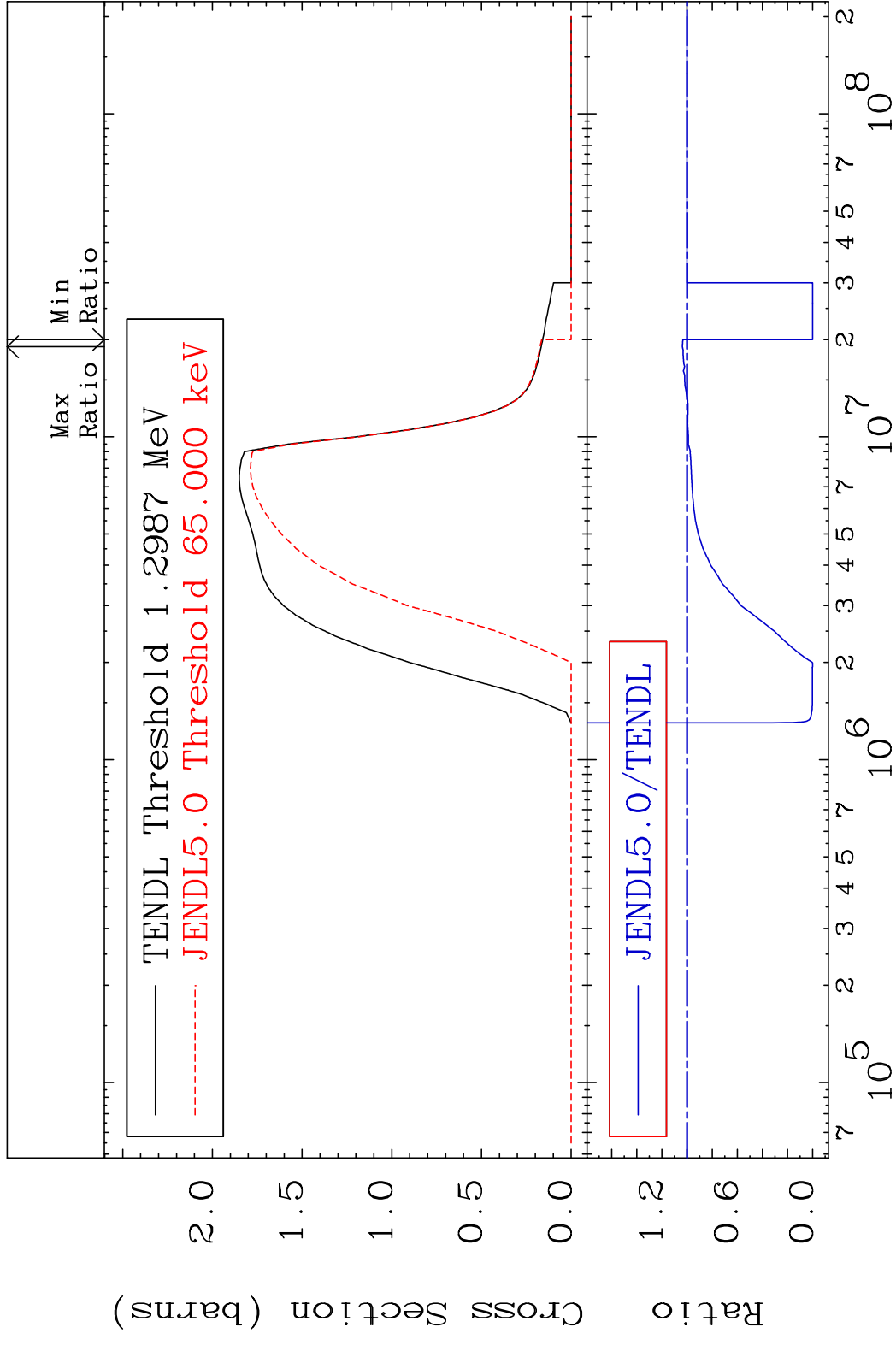


MAT 4126 MT= 64 (n, n') Level 41-Nb-93m
 Cross Section -100.0 To 9999. %



25 41-Nb-93m

MAT 4126 (n,n') Continuum 41-Nb-93m
 Cross Section -100.0 To 3.747 %

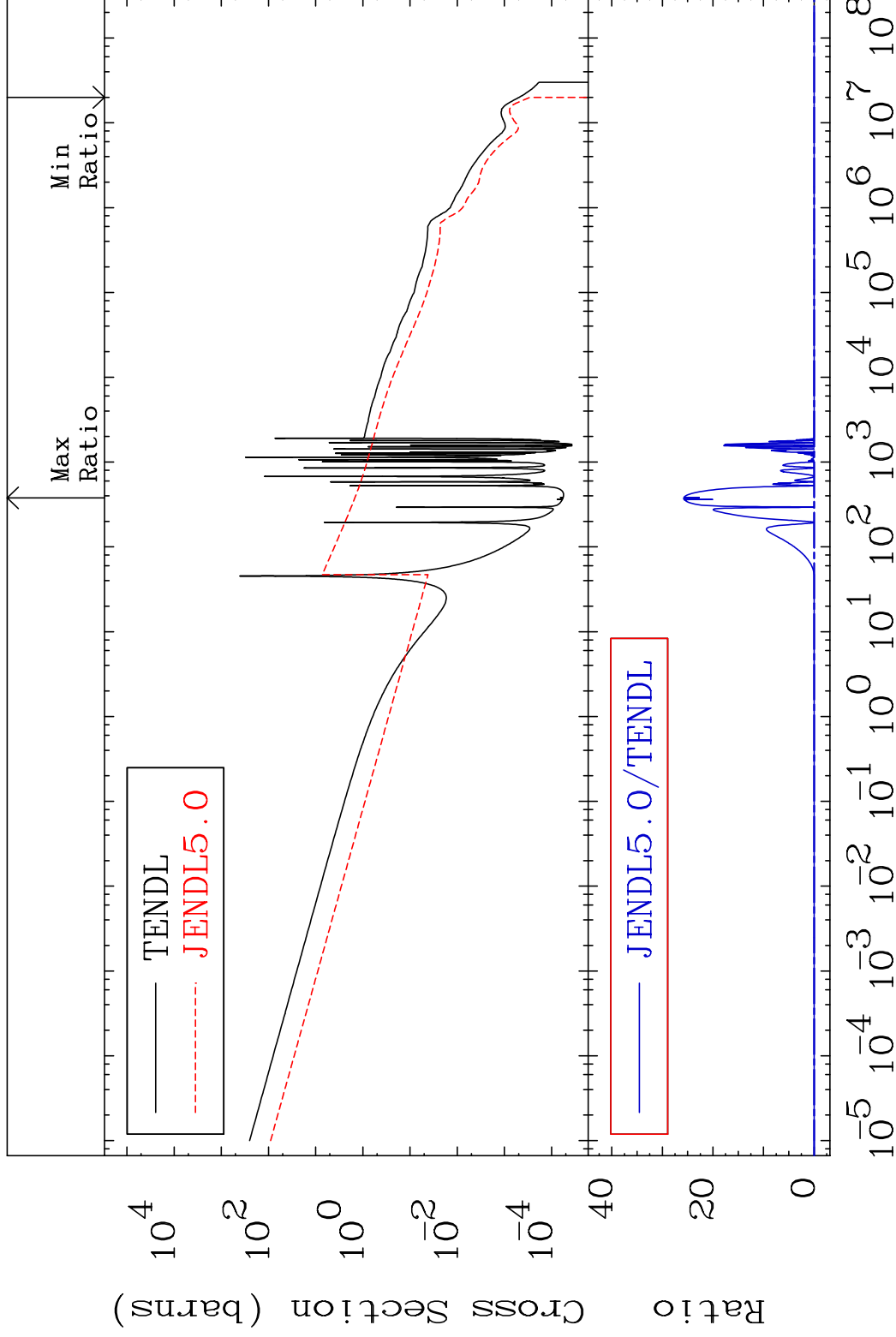


MAT 4126

41-Nb-93m

(n, γ)

Cross Section -100.0 To 9999. %



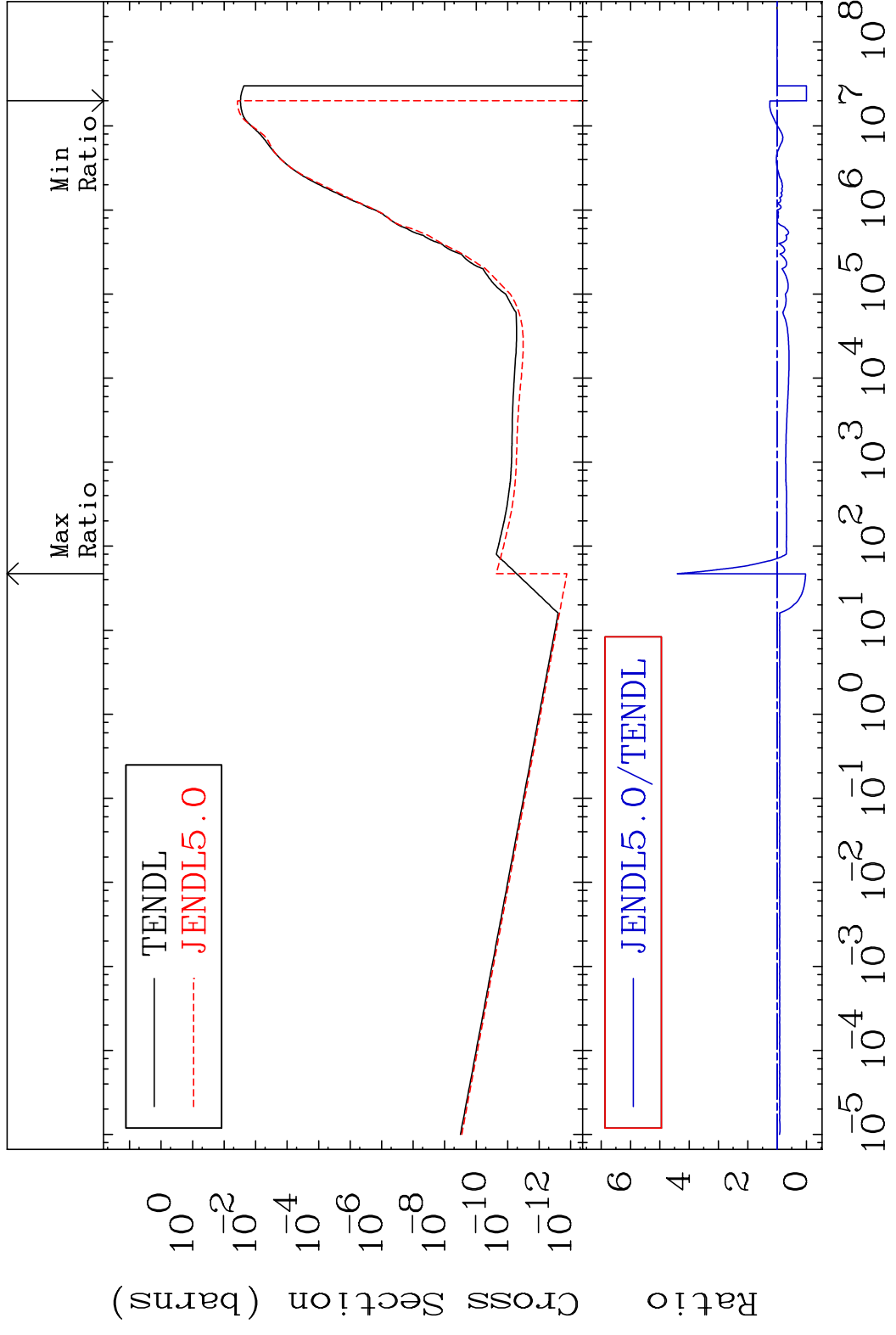
27

Incident Energy (eV)

41-Nb-93m

MAT 4126

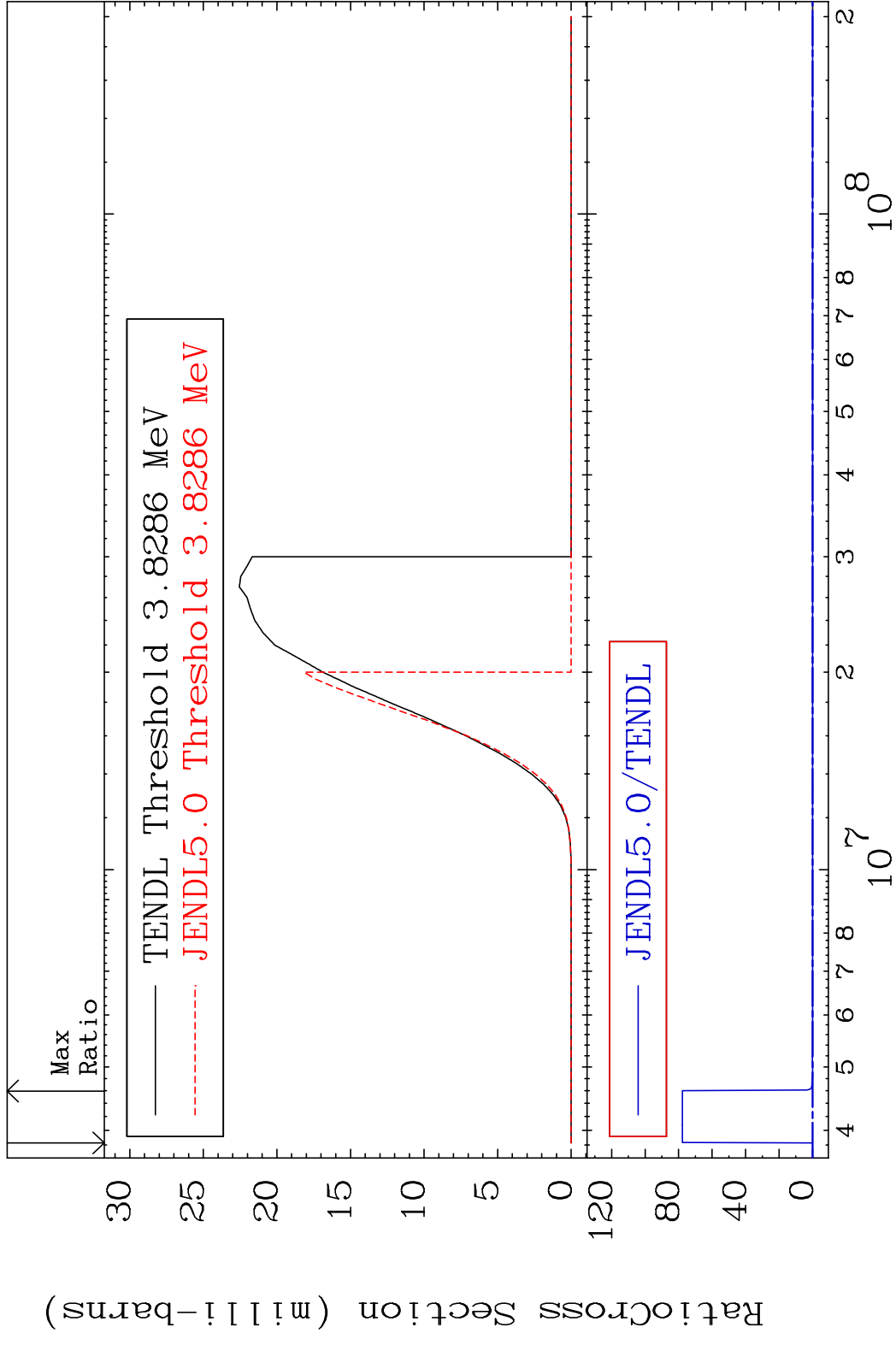
(n, p) Cross Section -100.0 To 340.8 % 41-Nb-93m



28

Incident Energy (eV) 41-Nb-93m

MAT 4126 (n,d) 41-Nb-93m
 Cross Section -100.0 To 9999. %

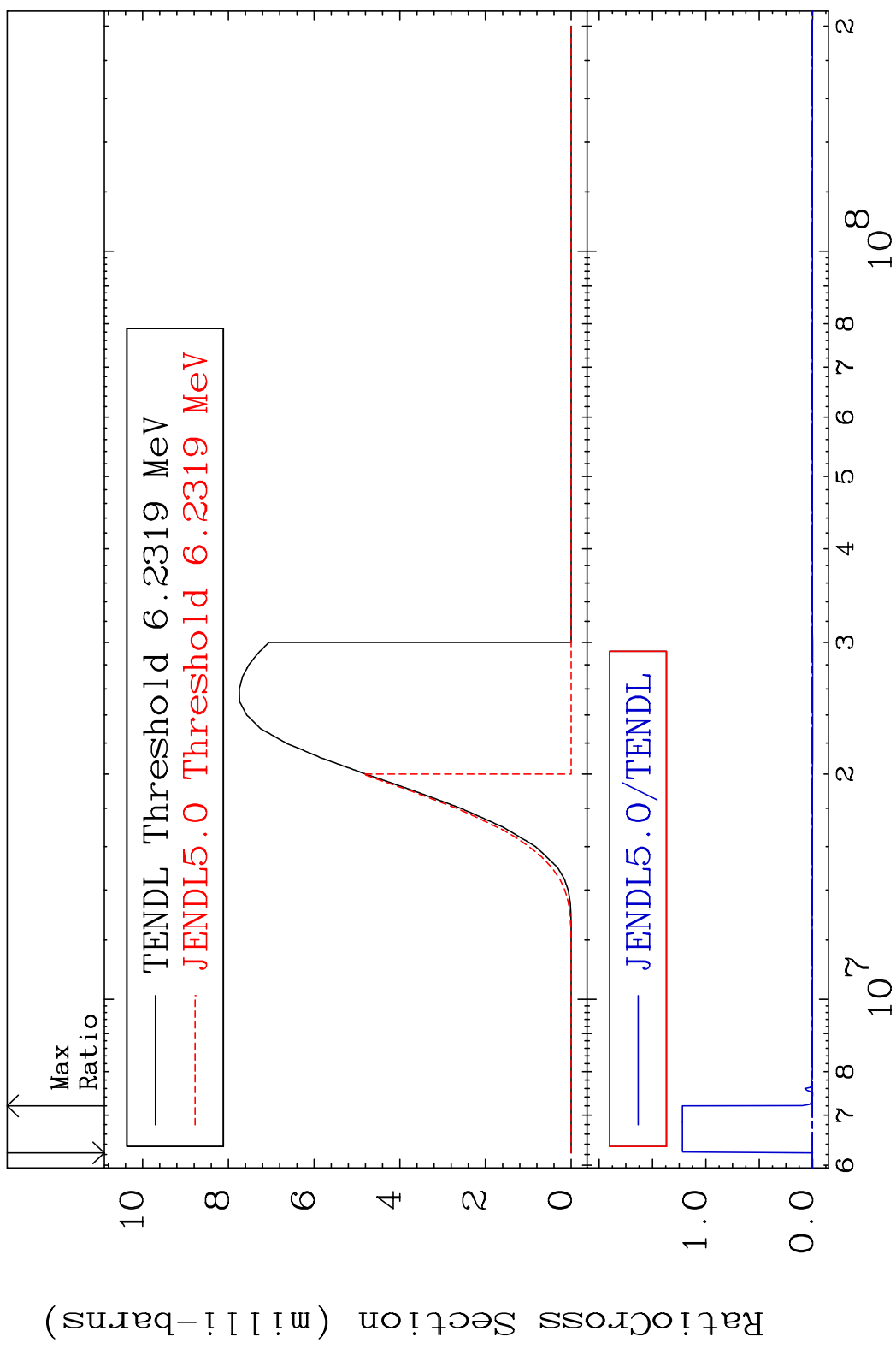


MAT 4126

(n, t)

41-Nb-93m

Cross Section -100.0 To 9999. %

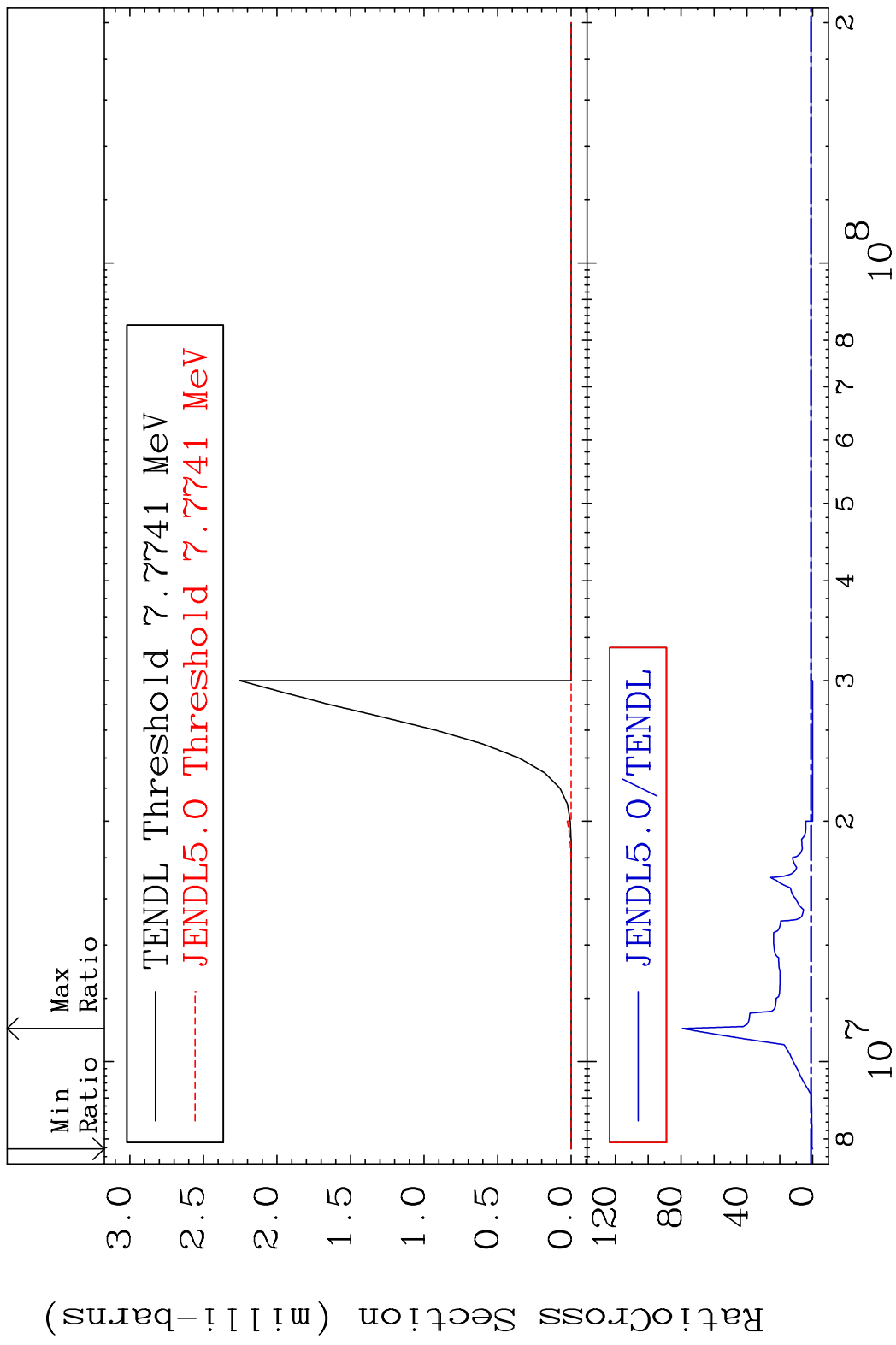


30

Incident Energy (eV)

41-Nb-93m

MAT 4126 (n, He-3) 41-Nb-93m
 Cross Section -100.0 To 7825. %

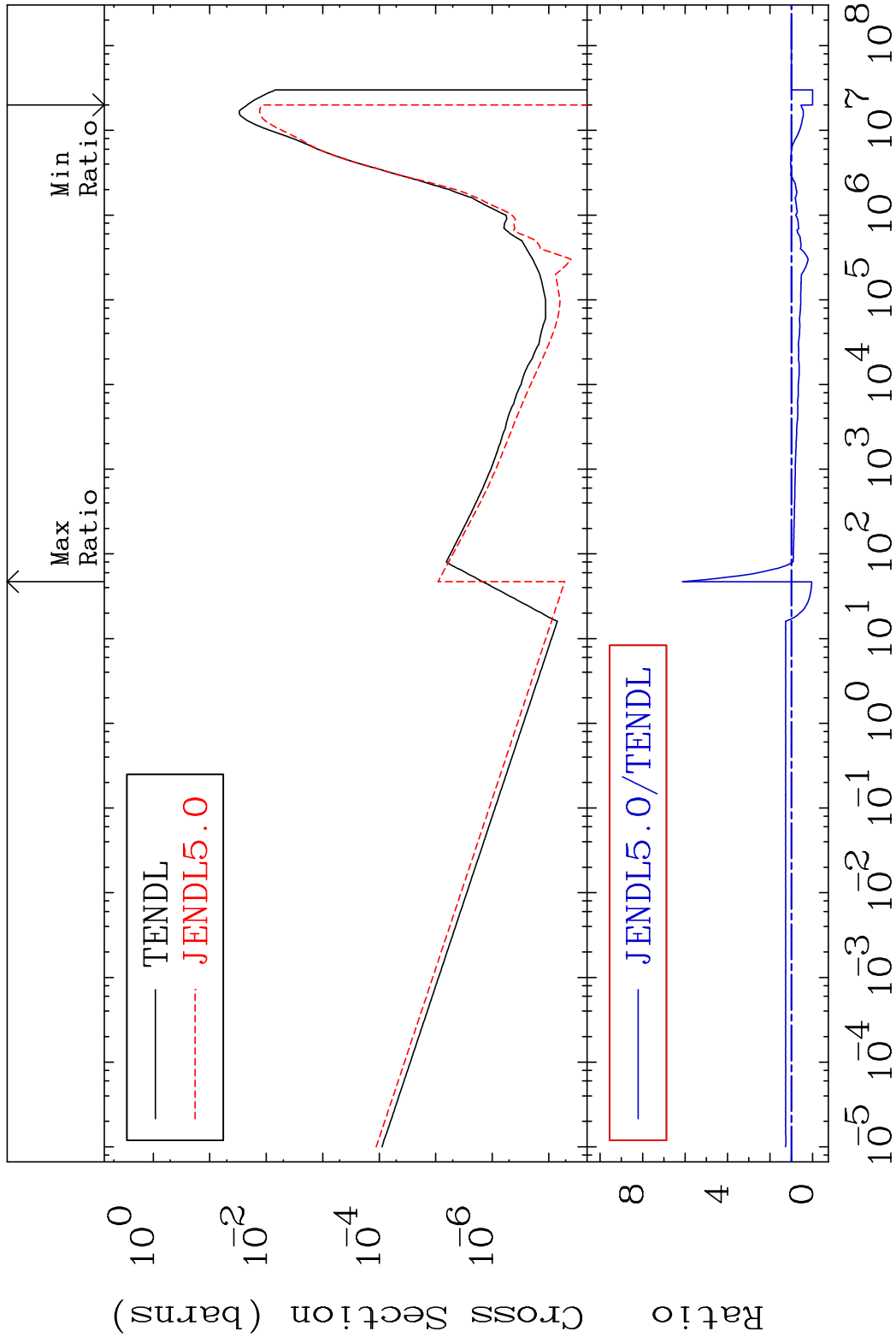


MAT 4126

41-Nb-93m

(n, α)

Cross Section -100.0 To 512.9 %



32

Incident Energy (eV)

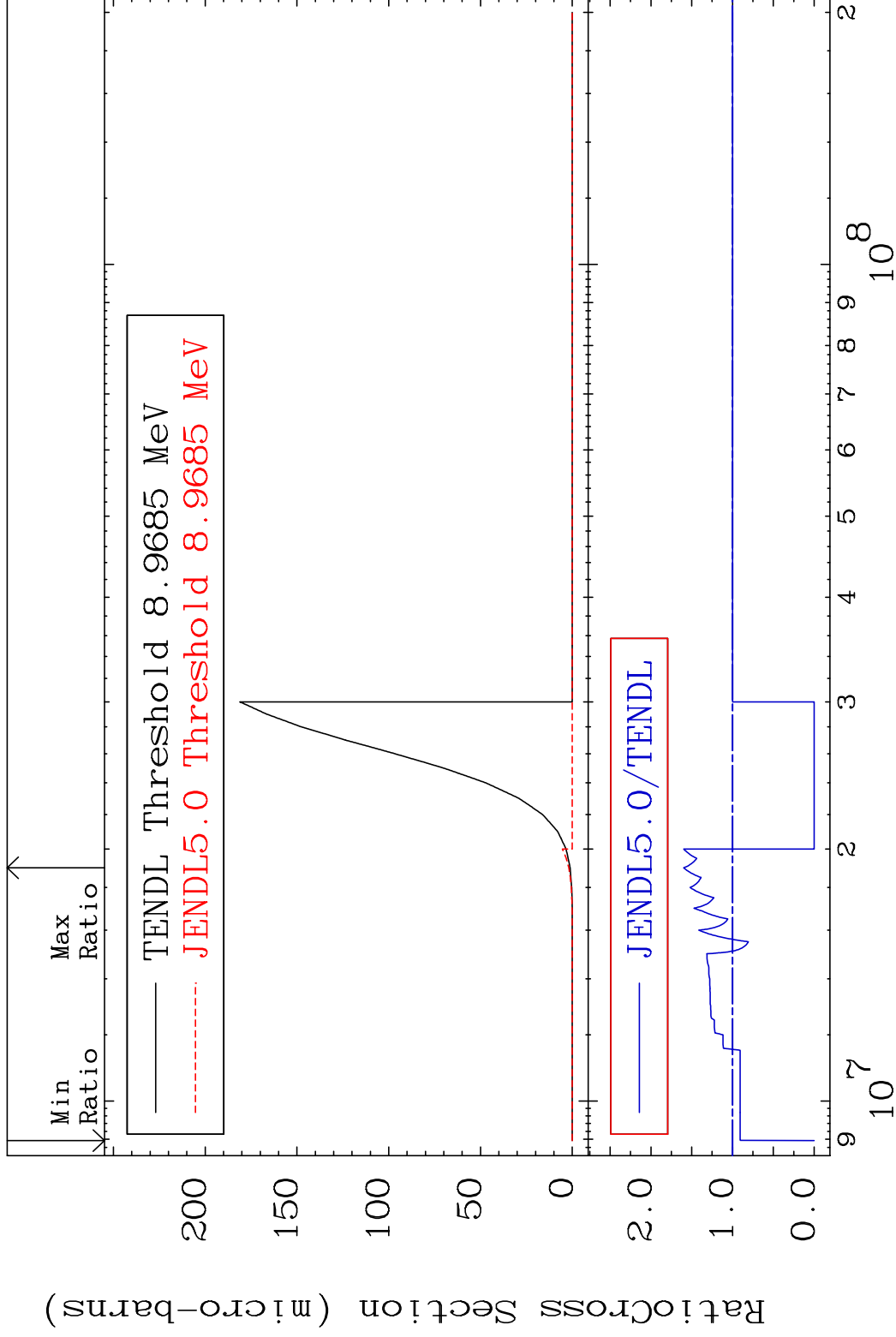
41-Nb-93m

MAT 4126

(n,2p)

41-Nb-93m

Cross Section -100.0 To 59.87 %

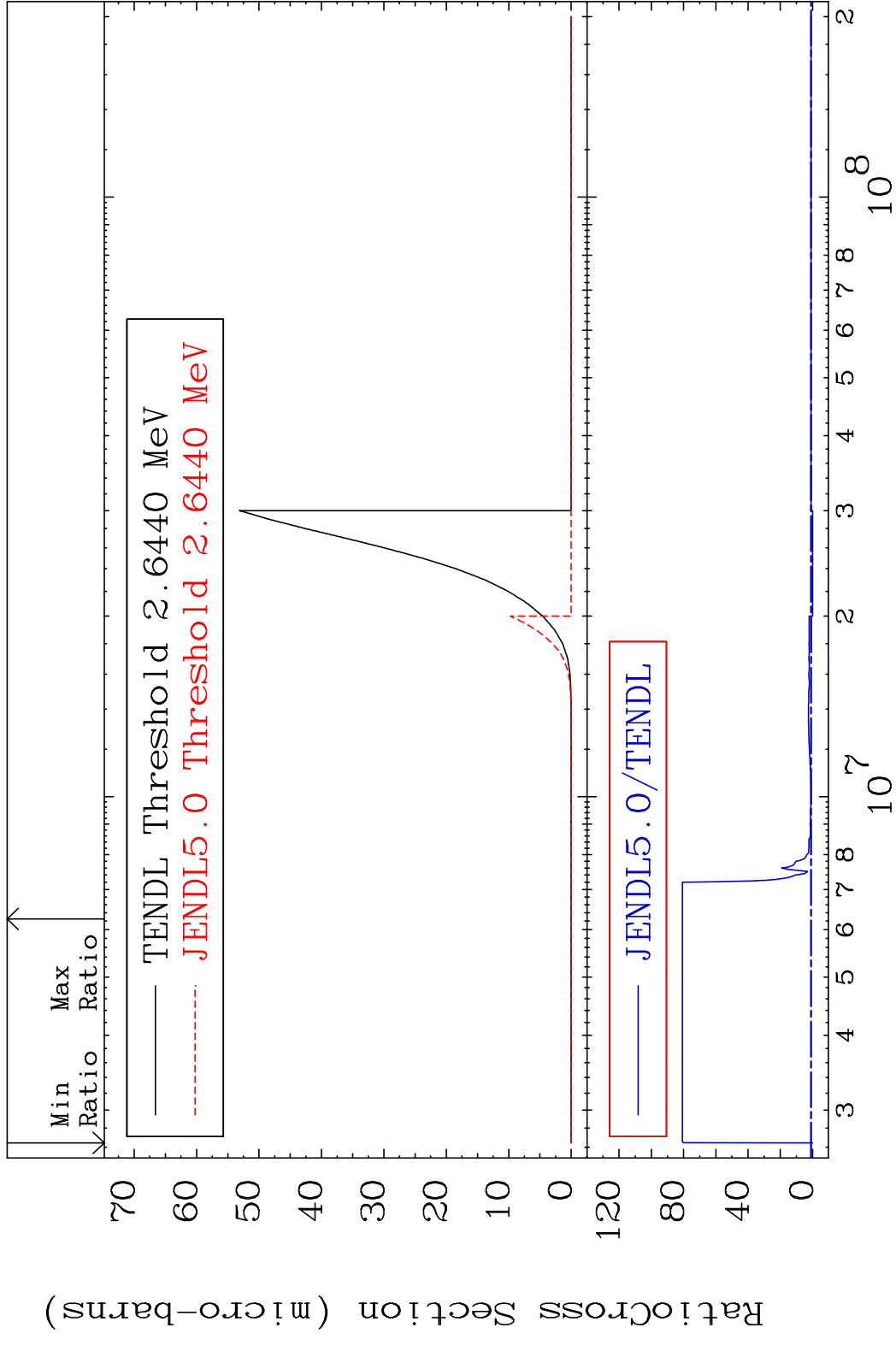


33

Incident Energy (eV)

41-Nb-93m

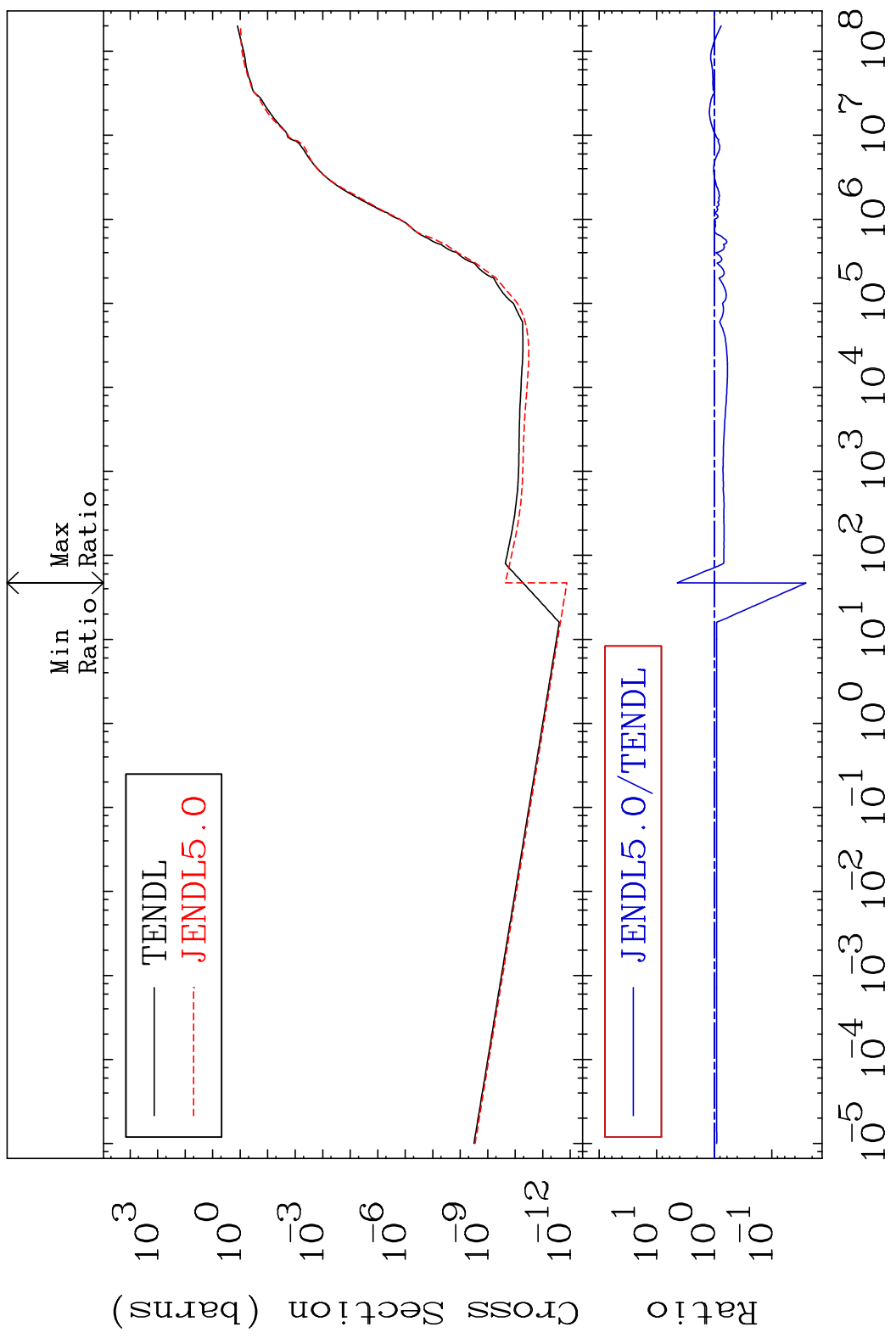
MAT 4126 (n,p) α 41-Nb-93m
 Cross Section -100.0 To 7976. %



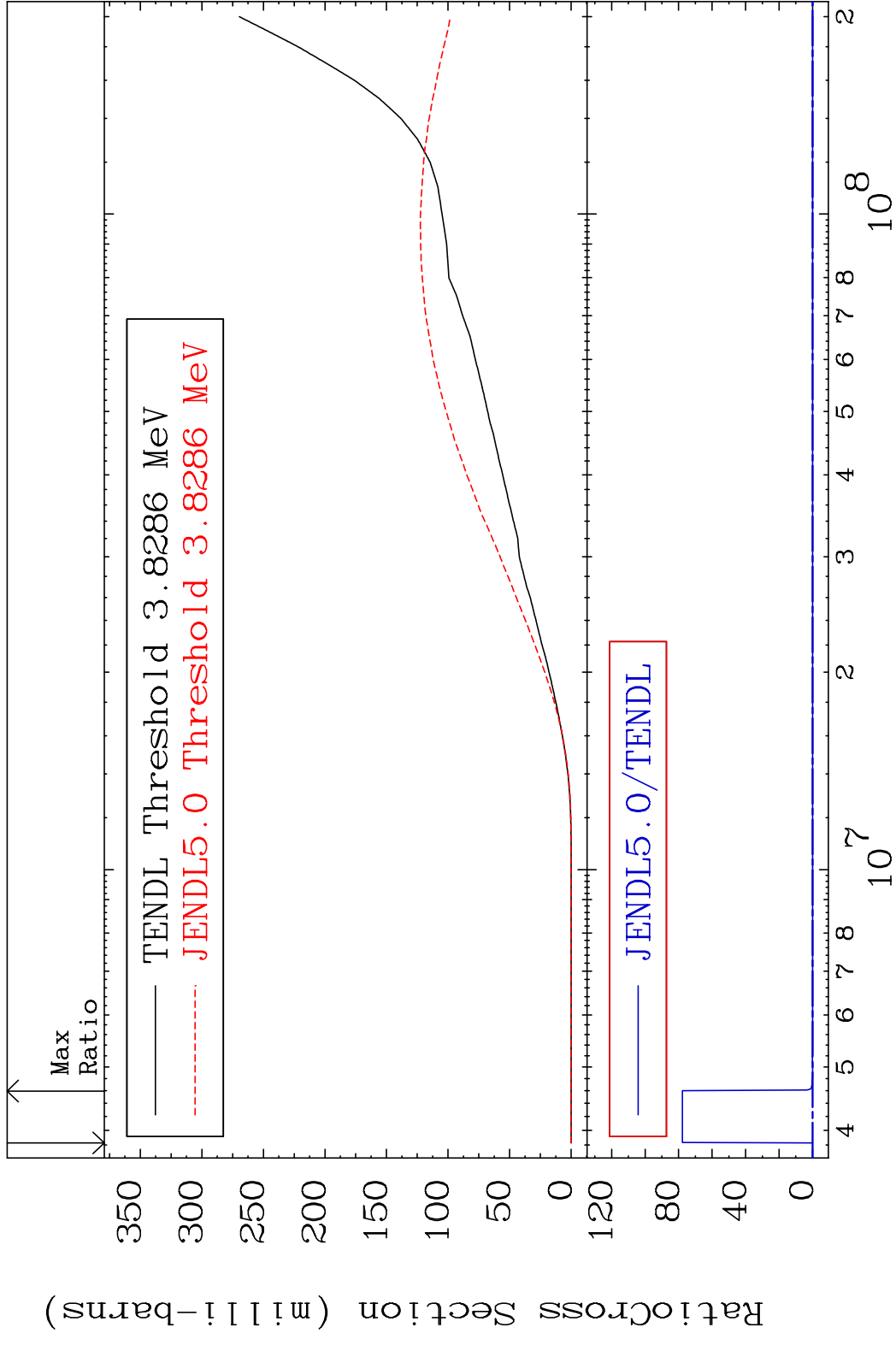
MAT 4126

Hydrogen Production
Cross Section -97.48 To 340.8 %

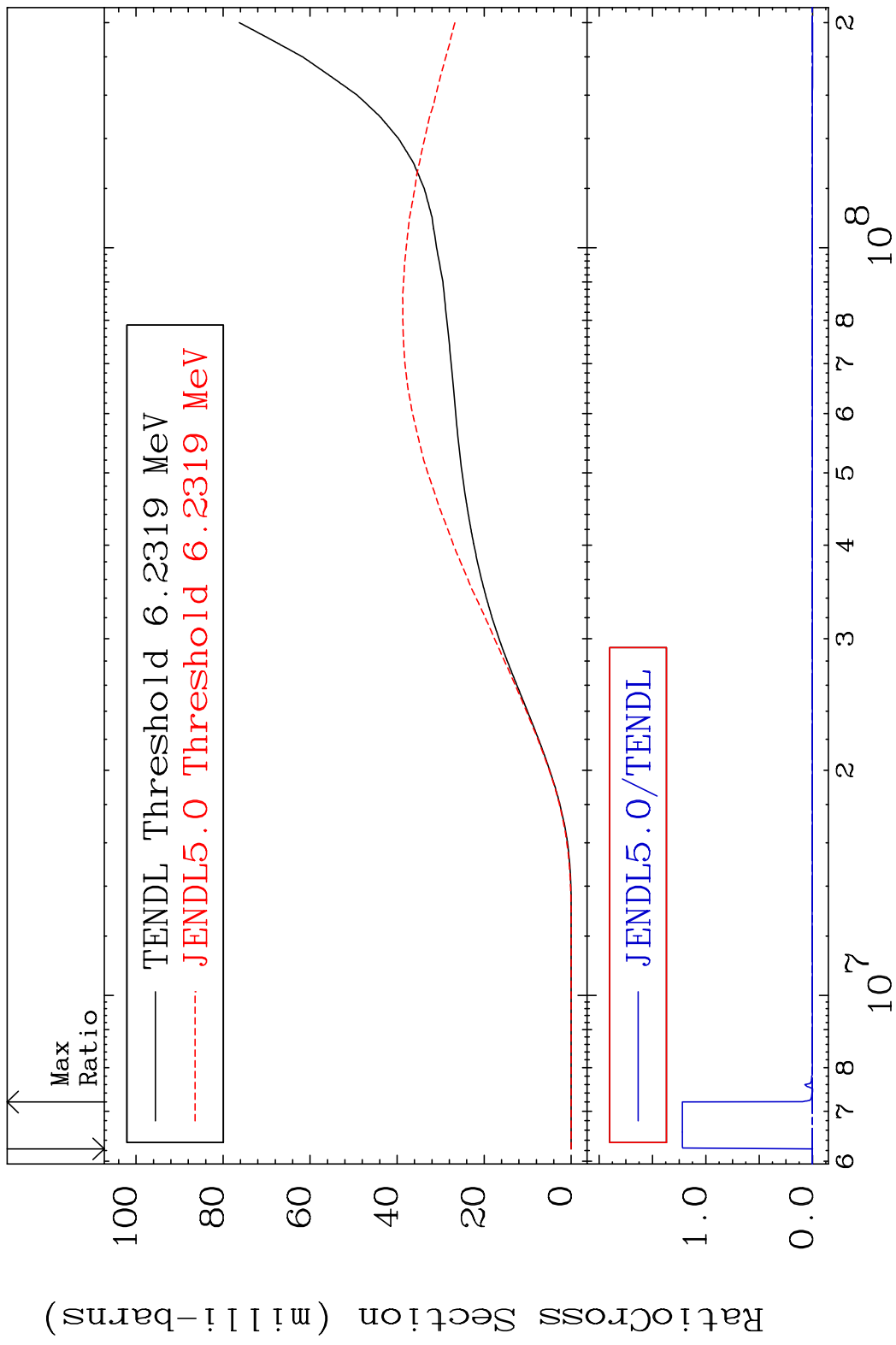
41-Nb-93m



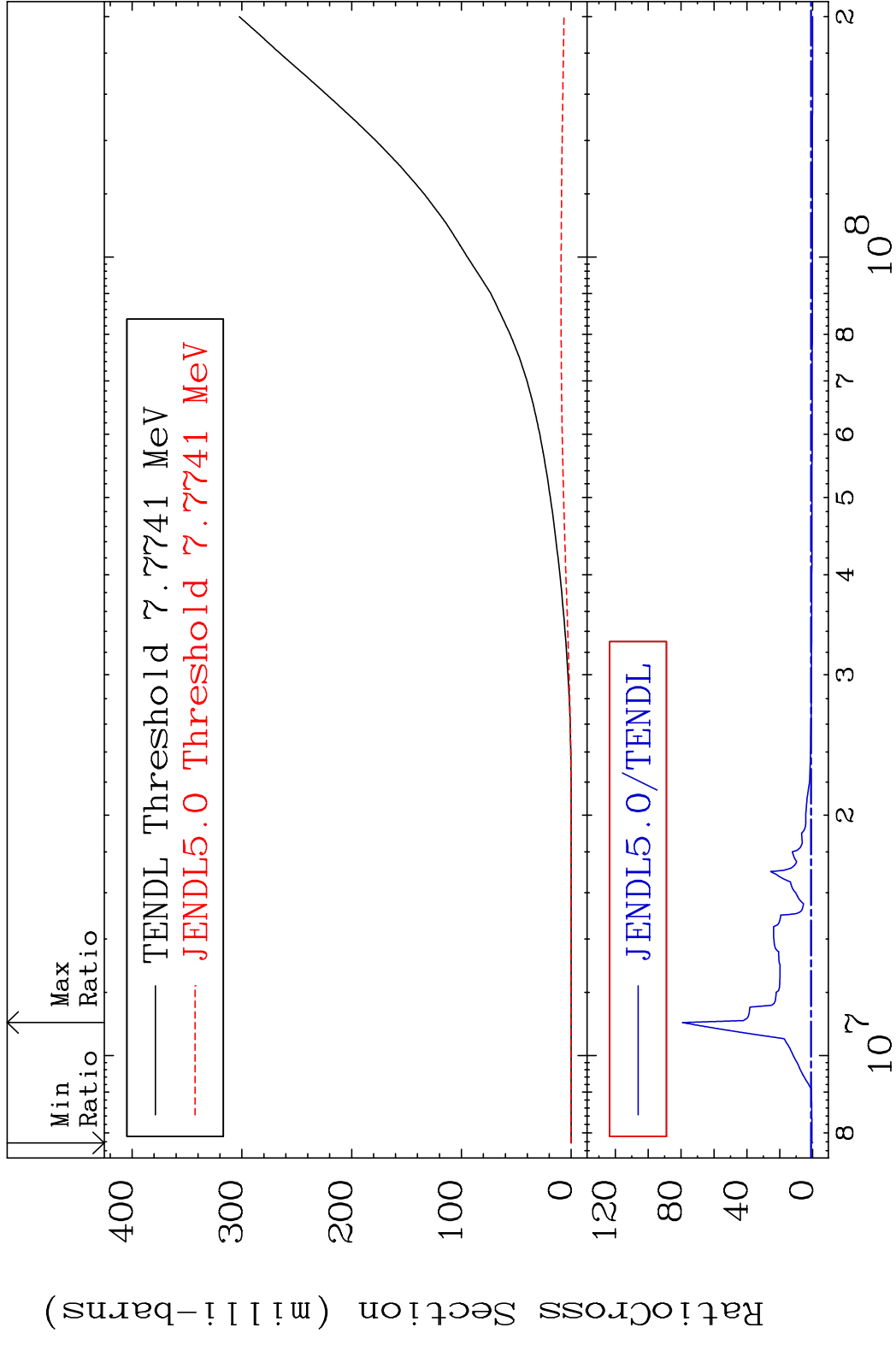
MAT 4126 Deuterium Production 41-Nb-93m
 Cross Section -100.0 To 9999. %



MAT 4126 Tritium Production 41-Nb-93m
 Cross Section -100.0 To 9999. %



MAT 4126 He-3 Production 41-Nb-93m
 Cross Section -100.0 To 7825. %

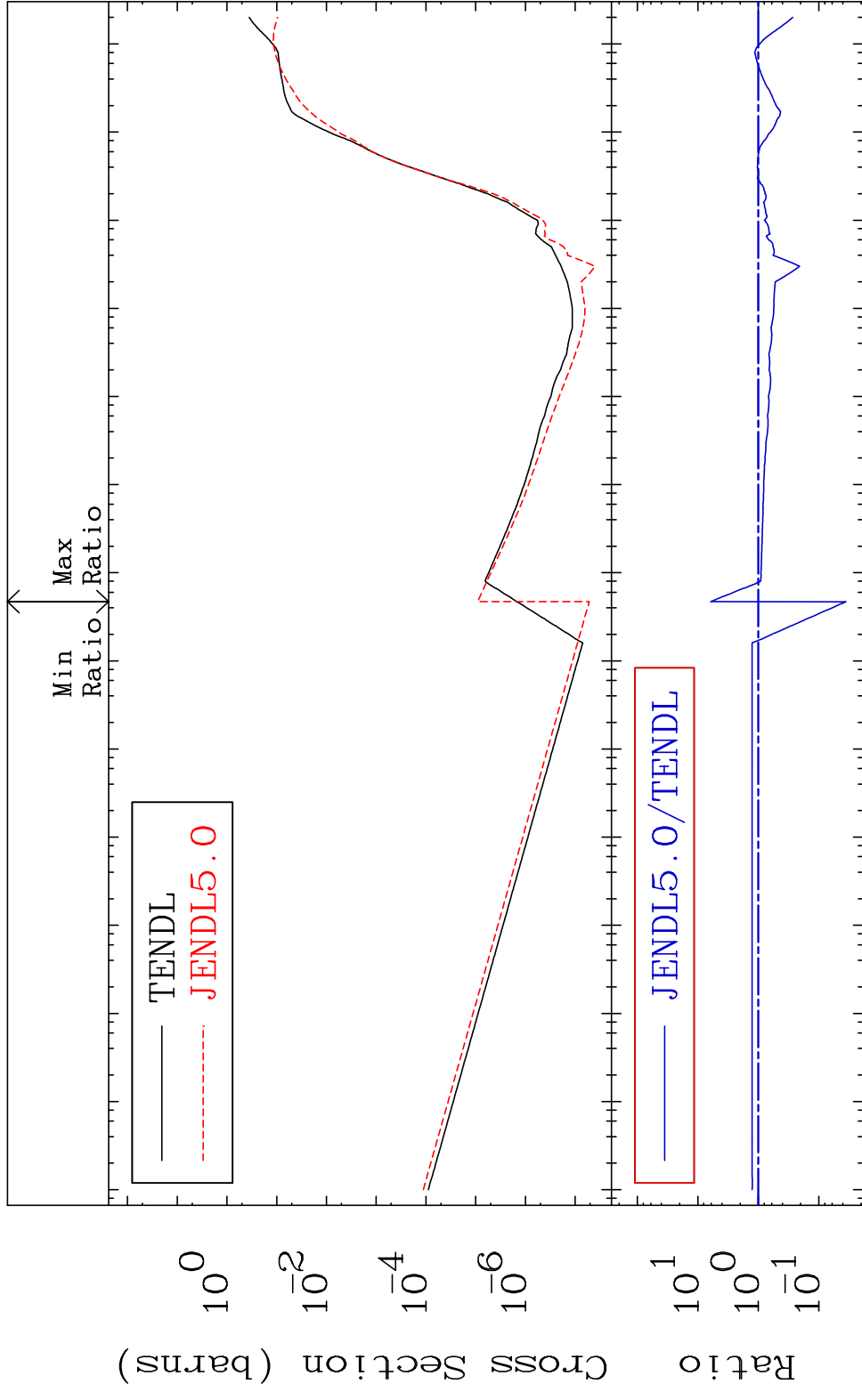


MAT 4126

He-4 Production

41-Nb-93m

Cross Section -96.49 To 512.9 %



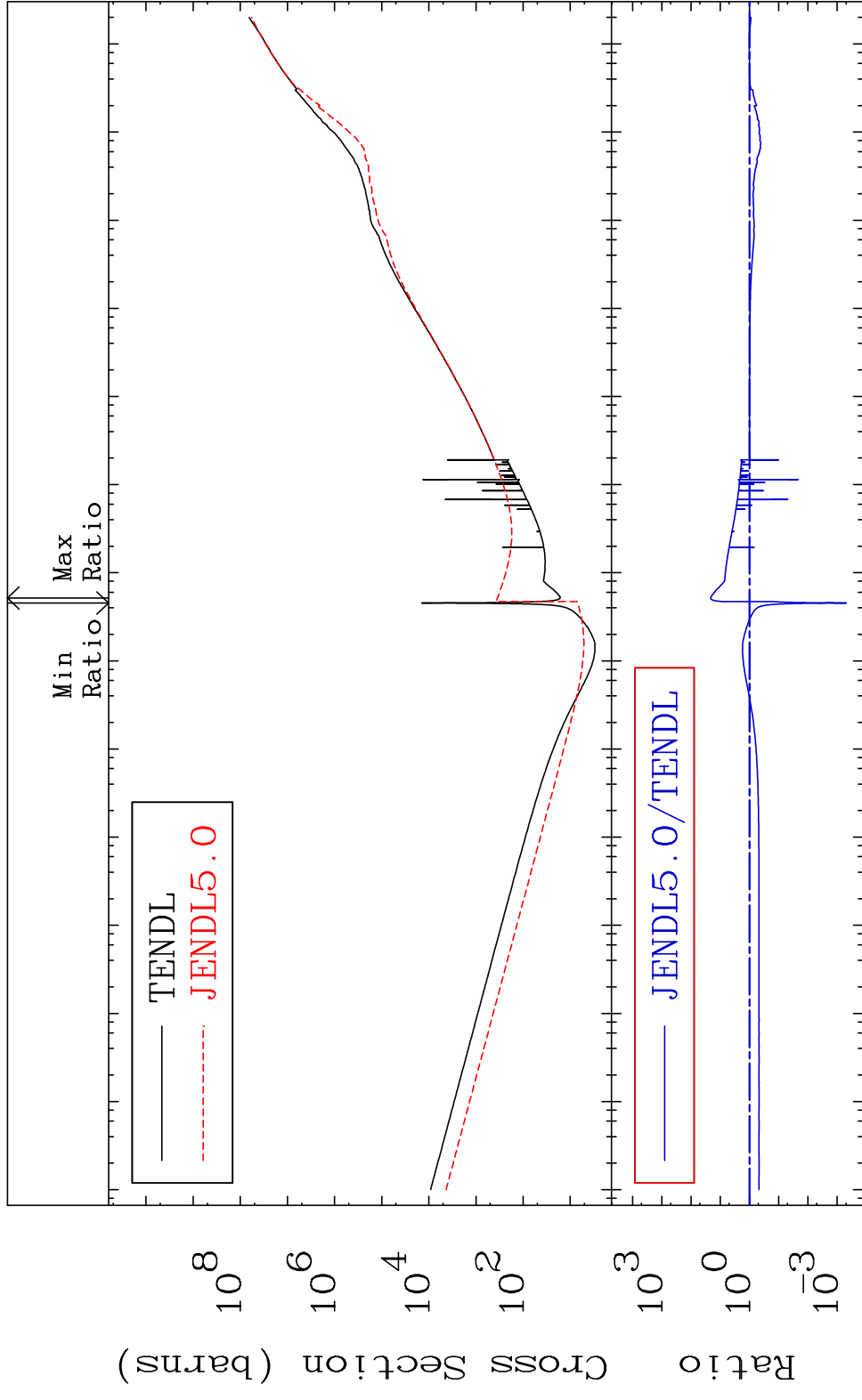
39

Incident Energy (eV)

41-Nb-93m

MAT 4126

Kerma total (eV-barns) 41-Nb-93m
Cross Section -99.95 To 2017. %



40

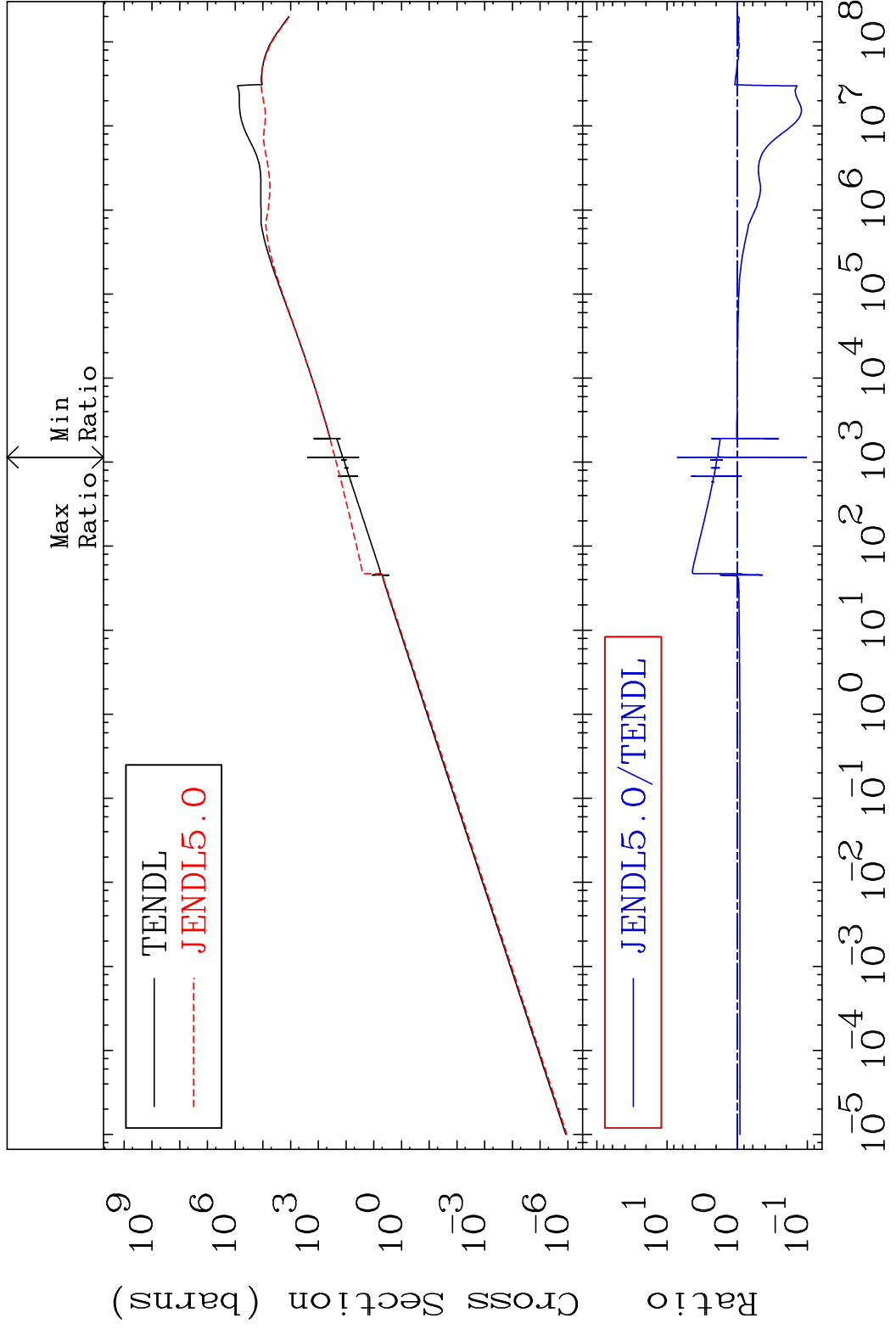
Incident Energy (eV)

41-Nb-93m

MAT 4126

Kerma elastic
Cross Section

41-Nb-93m
-89.65 To 618.2 %

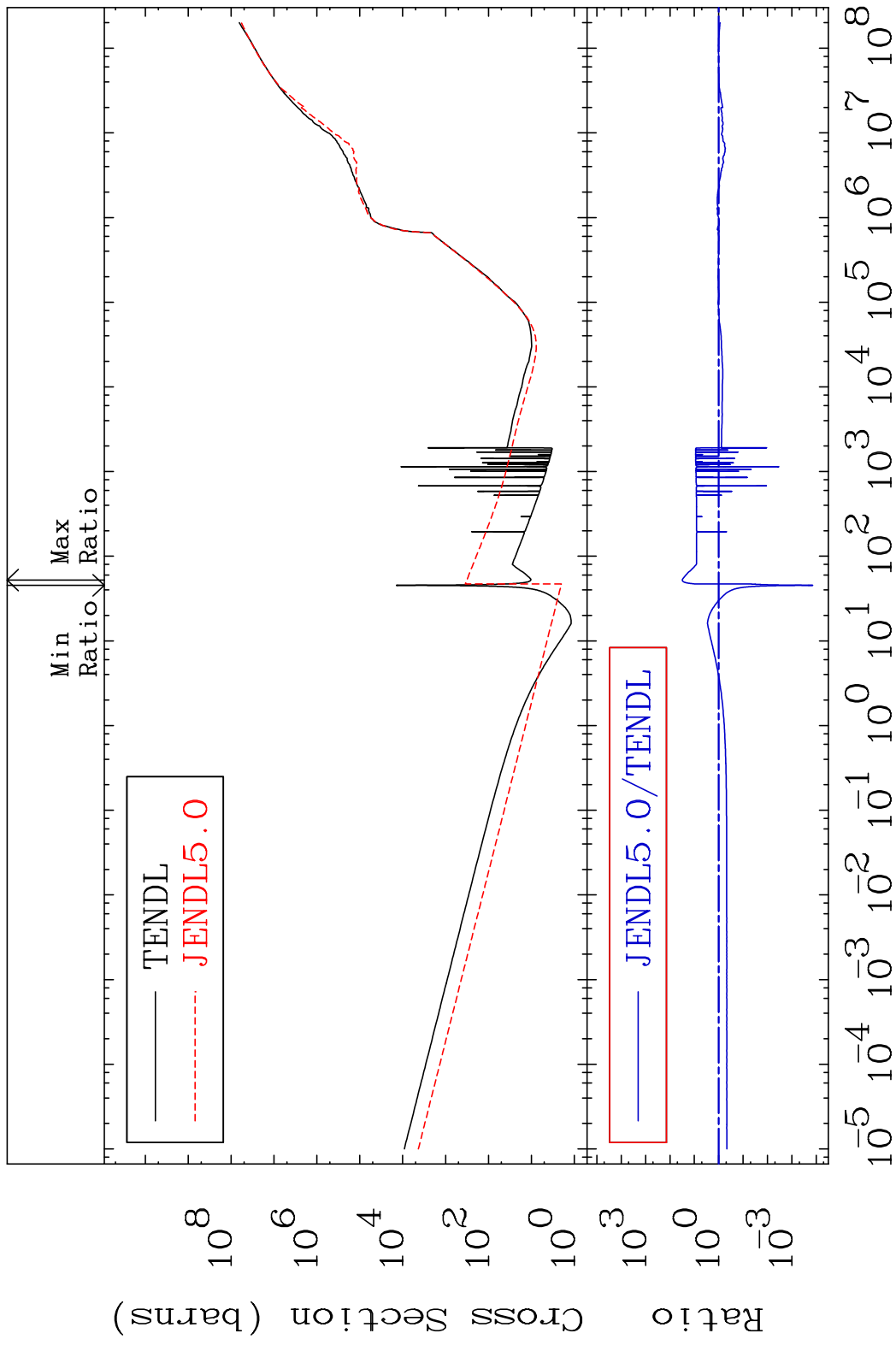


41

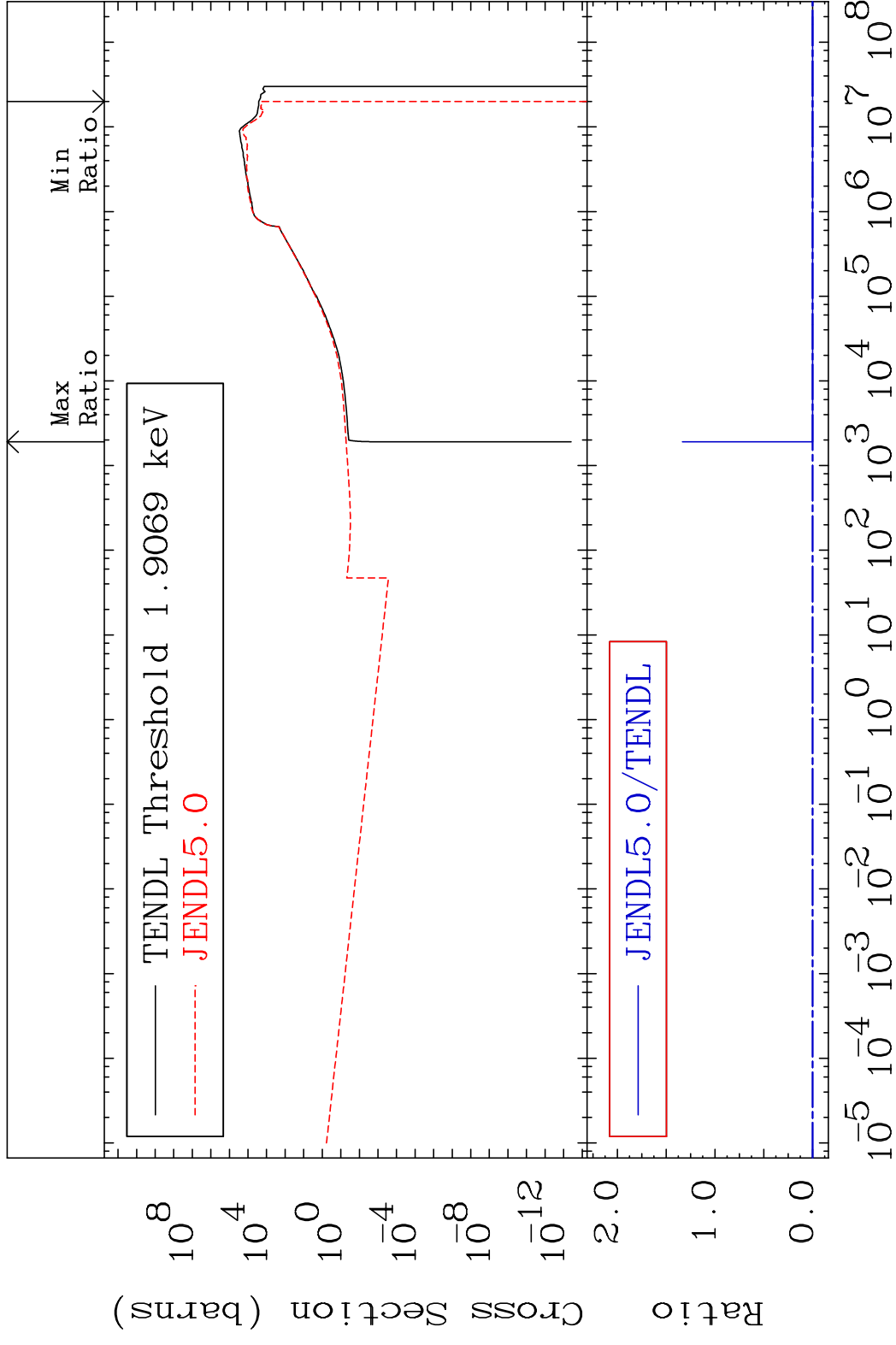
Incident Energy (eV)

41-Nb-93m

MAT 4126 Kerma non-elastic (all but mt2) 41-Nb-93m
 Cross Section -99.99 To 3005. %

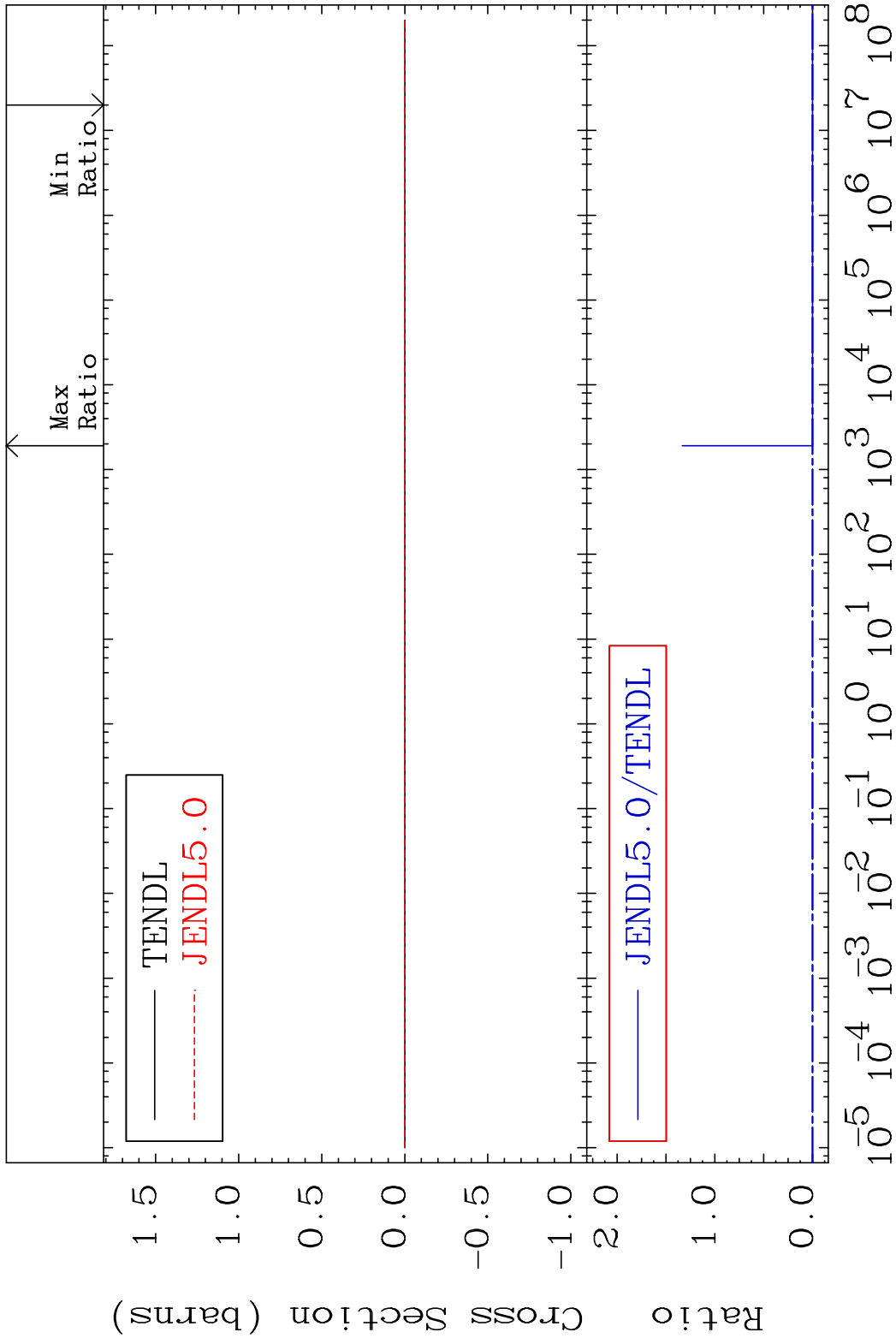


MAT 4126 Kerma inelastic (mt51-91) 41-Nb-93m
 Cross Section -100.0 To 9999. %



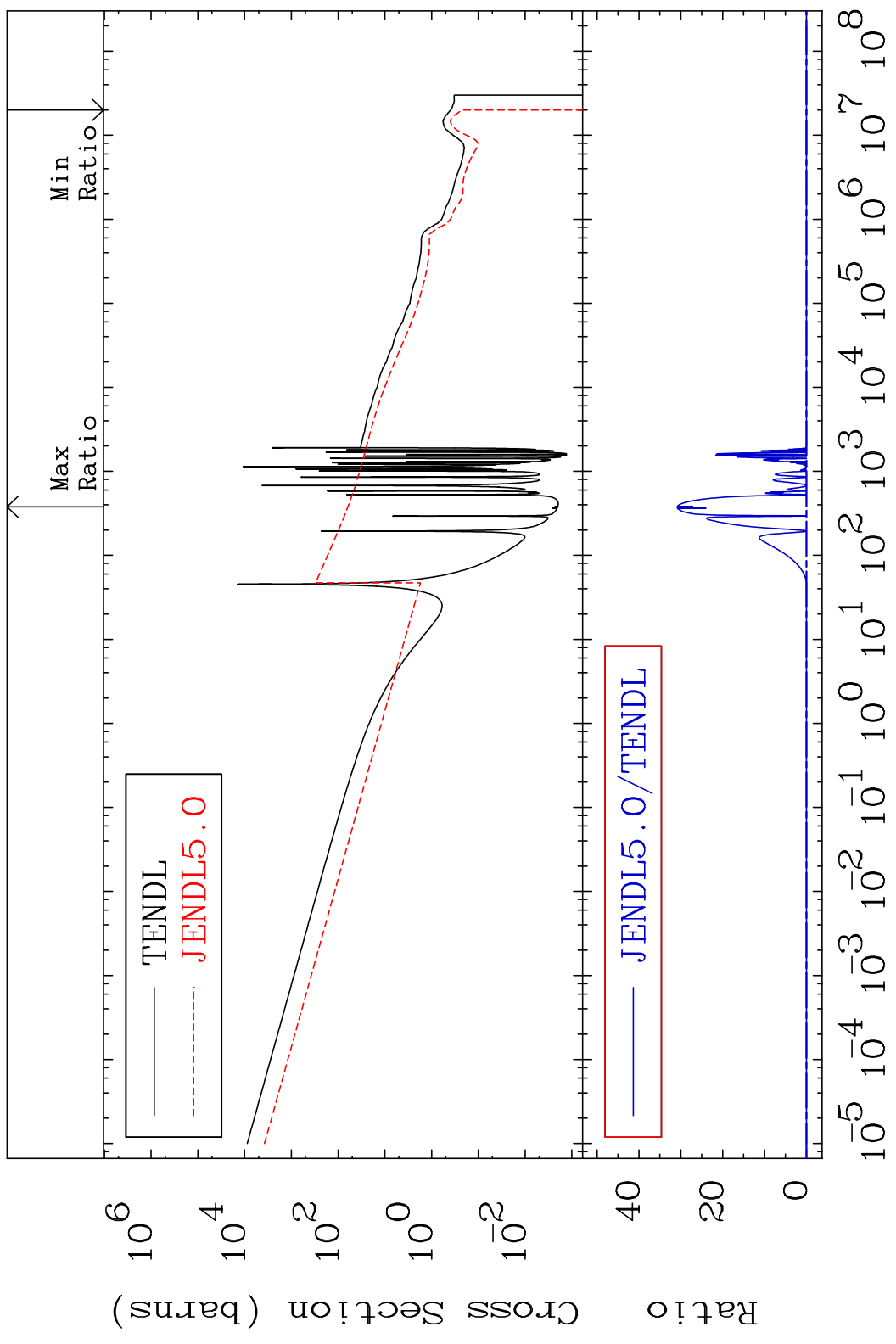
43 Incident Energy (eV) 41-Nb-93m

MAT 4126 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-93m
 Cross Section -100.0 To 9999. %



MAT 4126

Kerma capture (mt102) 41-Nb-93m
Cross Section -100.0 To 9999. %

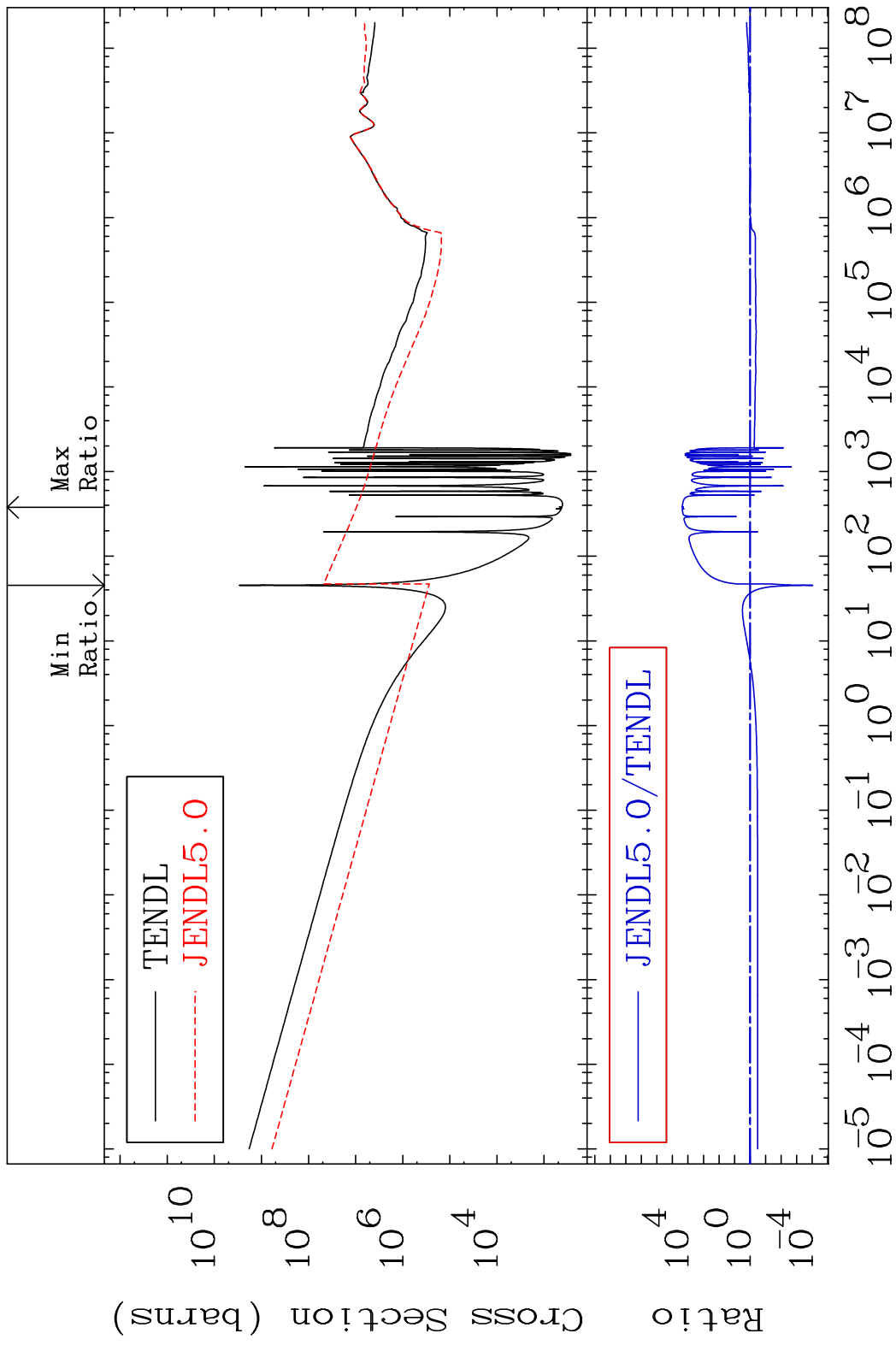


45

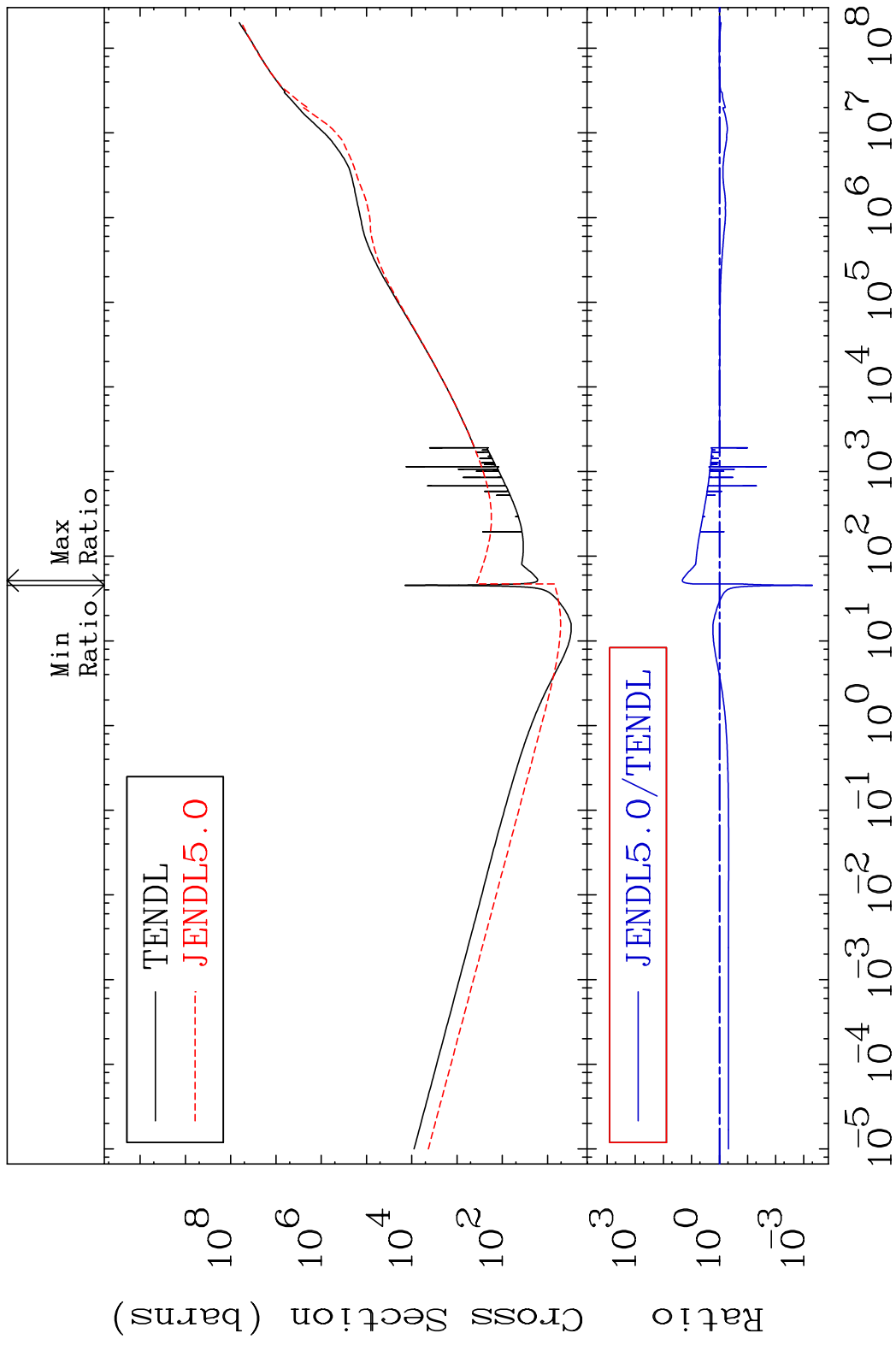
Incident Energy (eV)

41-Nb-93m

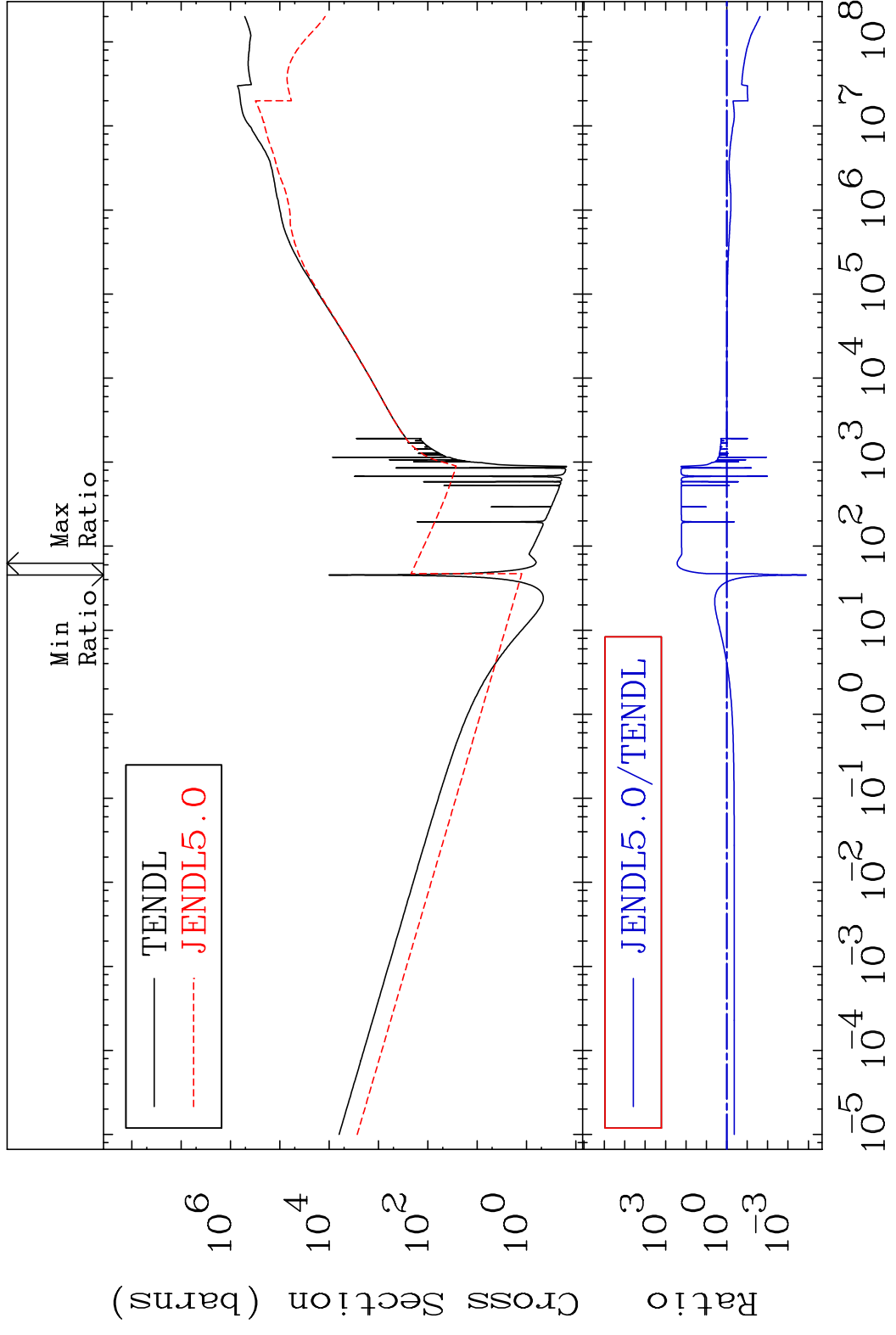
MAT 4126 Total photon (eV-barns) 41-Nb-93m
 Cross Section -99.99 To 9999. %



MAT 4126 Total kinematic kerma (high limit) 41-Nb-93m
 Cross Section -99.95 To 2009. %



MAT 4126 Dpa total (eV-barns) 41-Nb-93m
 Cross Section -99.99 To 9999. %

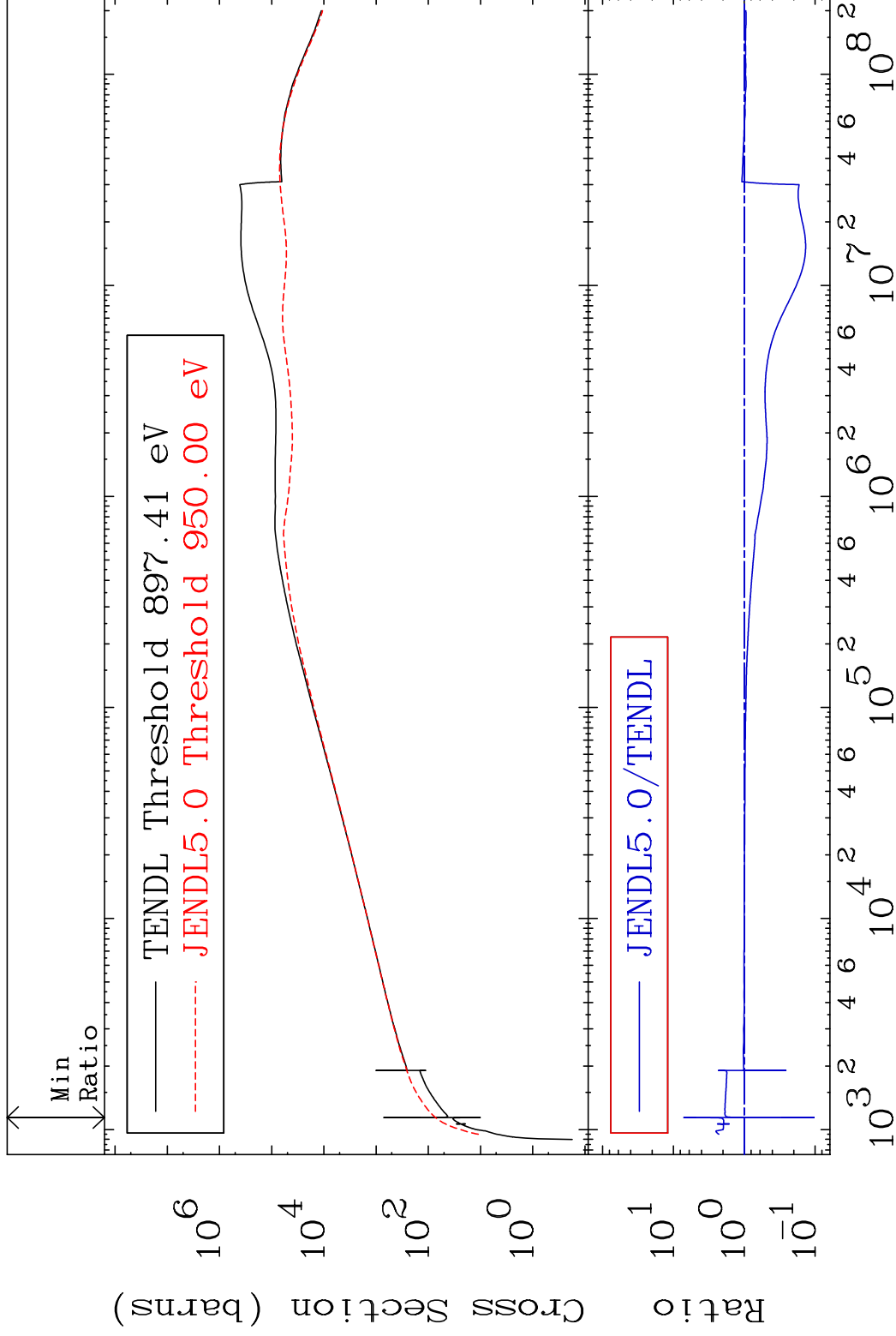


MAT 4126

Dpa elastic (mt2)

41-Nb-93m

Cross Section -89.67 To 616.9 %



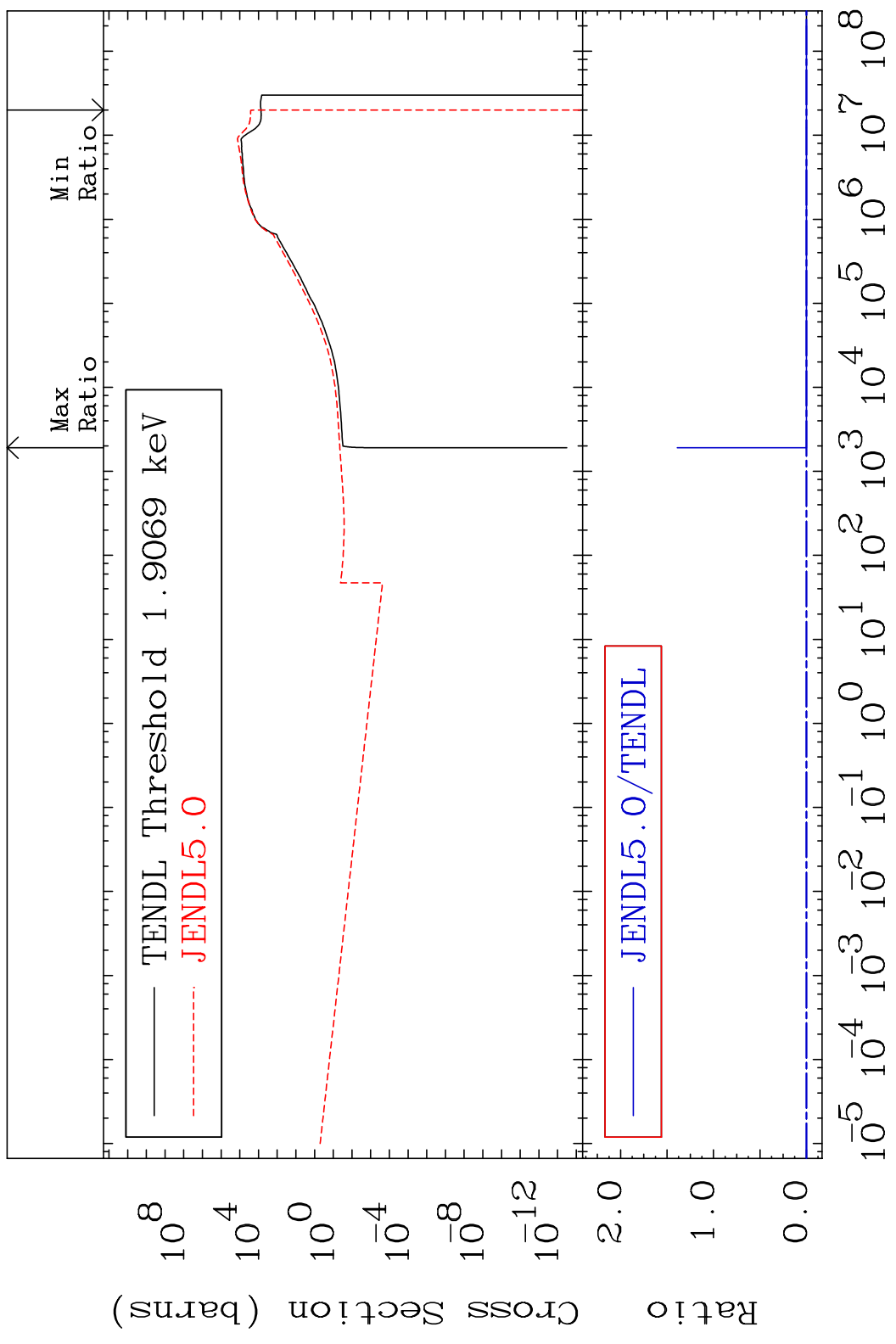
49

Incident Energy (eV)

41-Nb-93m

MAT 4126

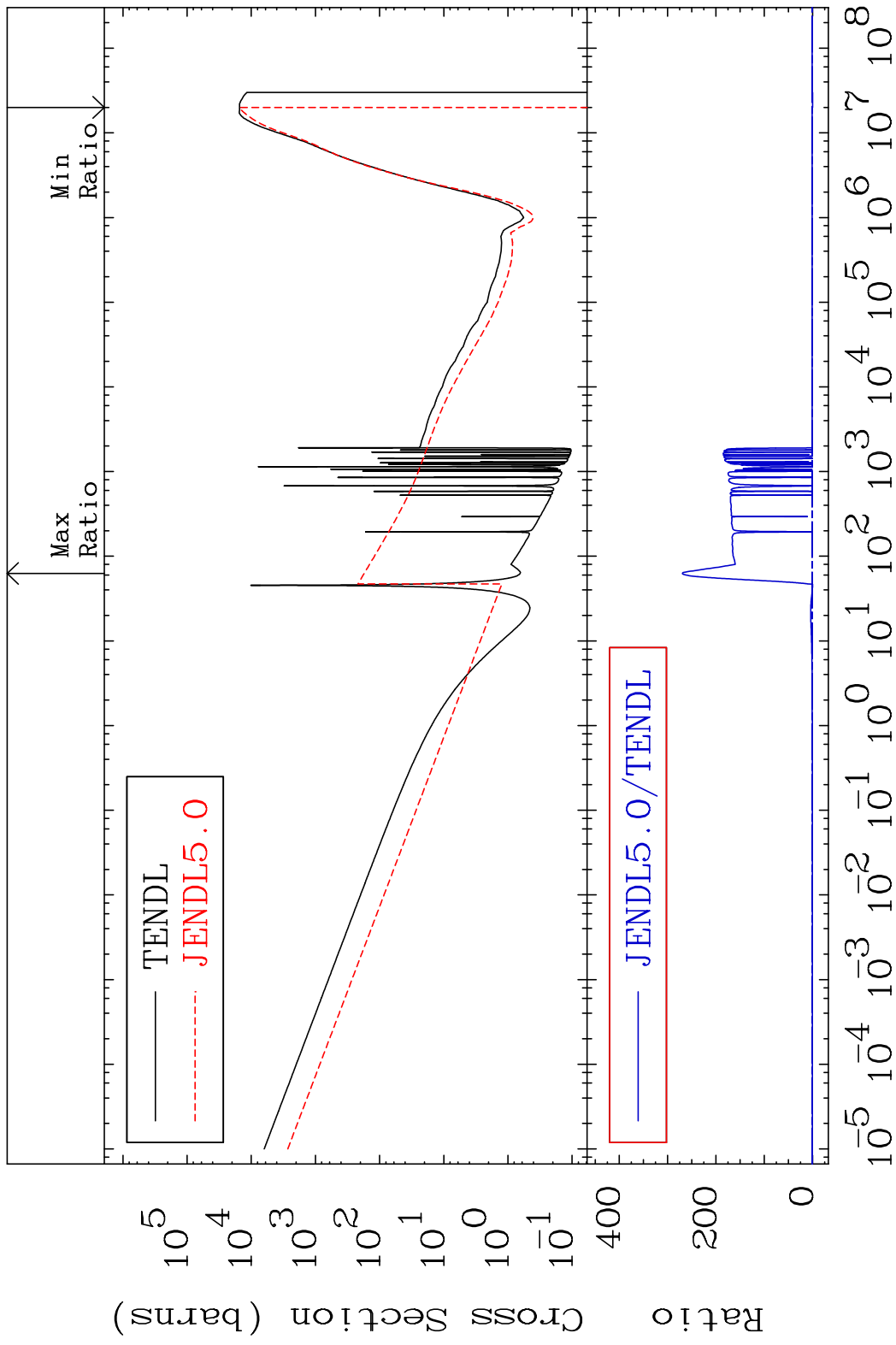
Dpa inelastic (mt51-91) 41-Nb-93m
Cross Section -100.0 To 9999. %



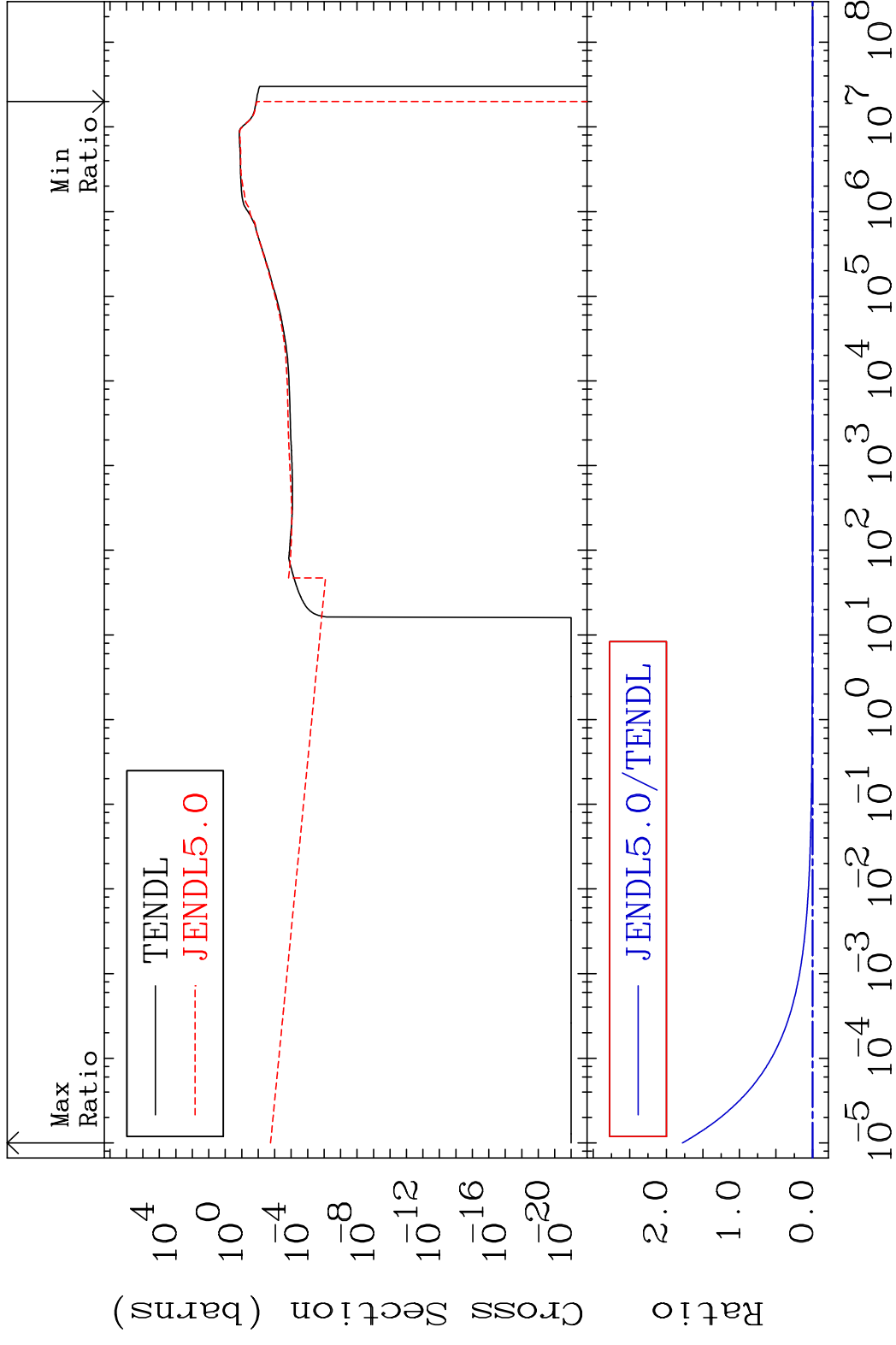
50

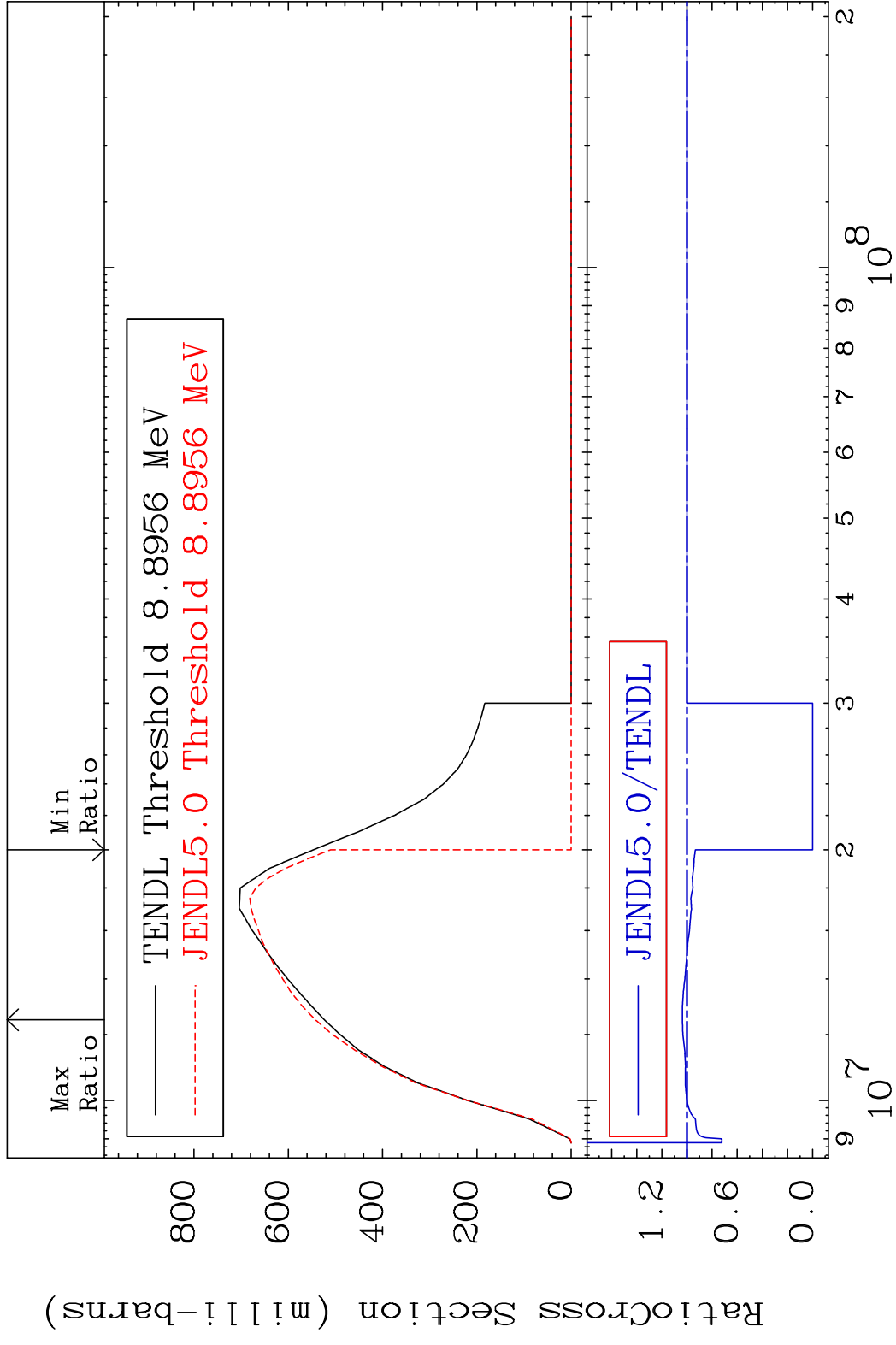
Incident Energy (eV) 41-Nb-93m

MAT 4126 Dpa disappearance (mt102 -120) 41-Nb-93m
 Cross Section -100.0 To 9999. %

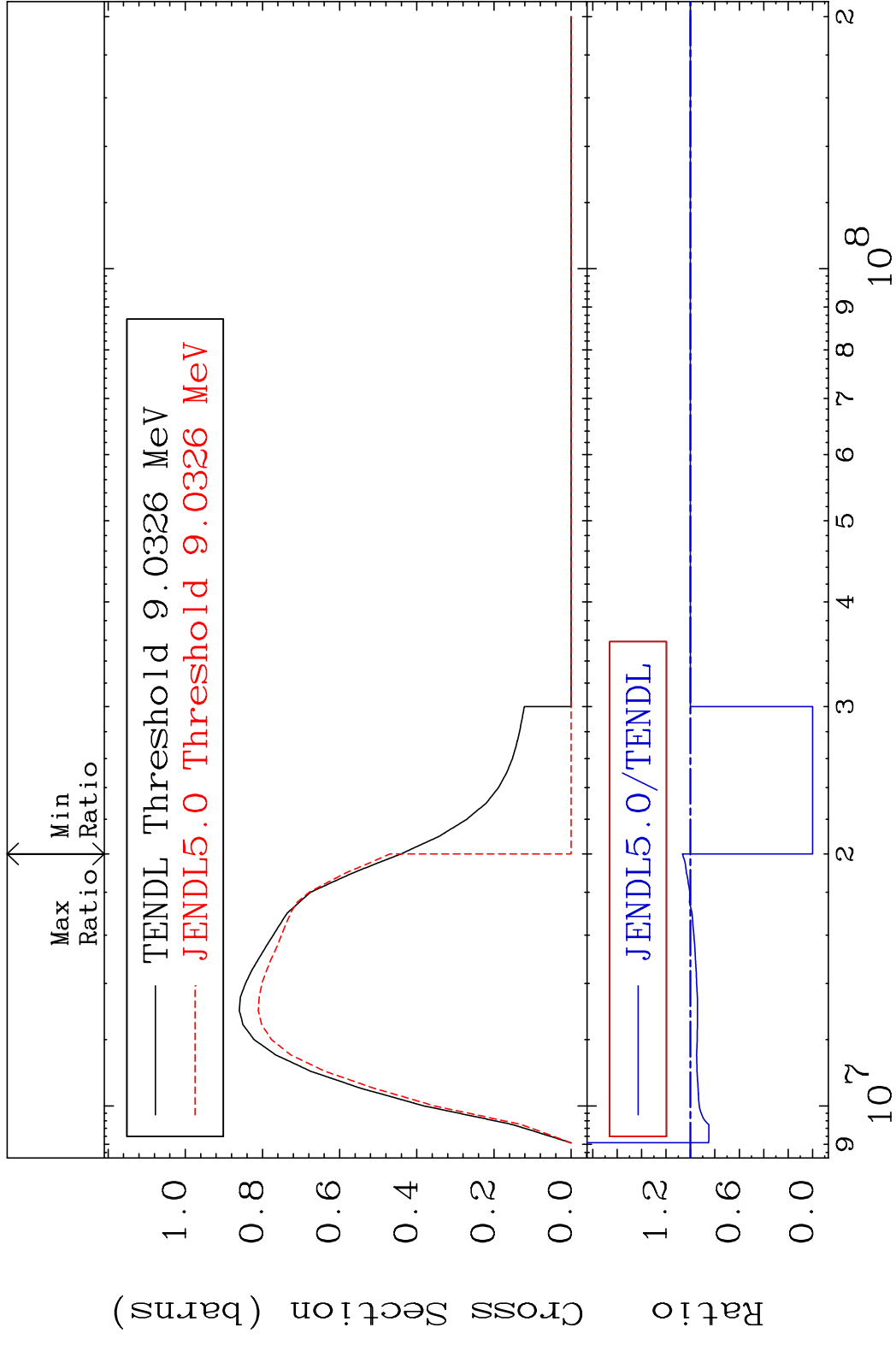


51 Incident Energy (eV) 41-Nb-93m

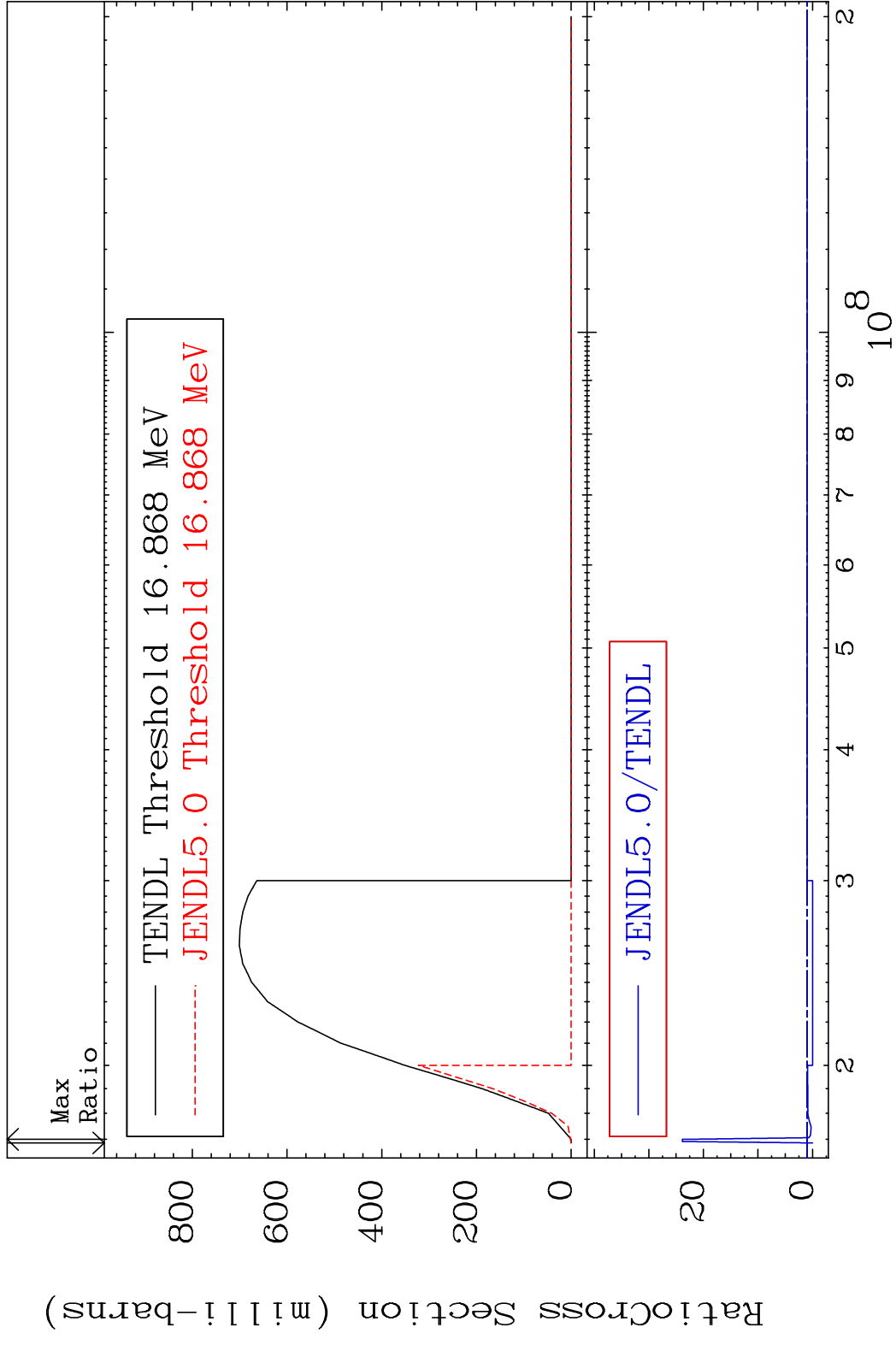




MAT 4126 (n,2n):41-Nb-92m1 41-Nb-93m
 Radionuclide Production Cross Section Ratio 6.636 %

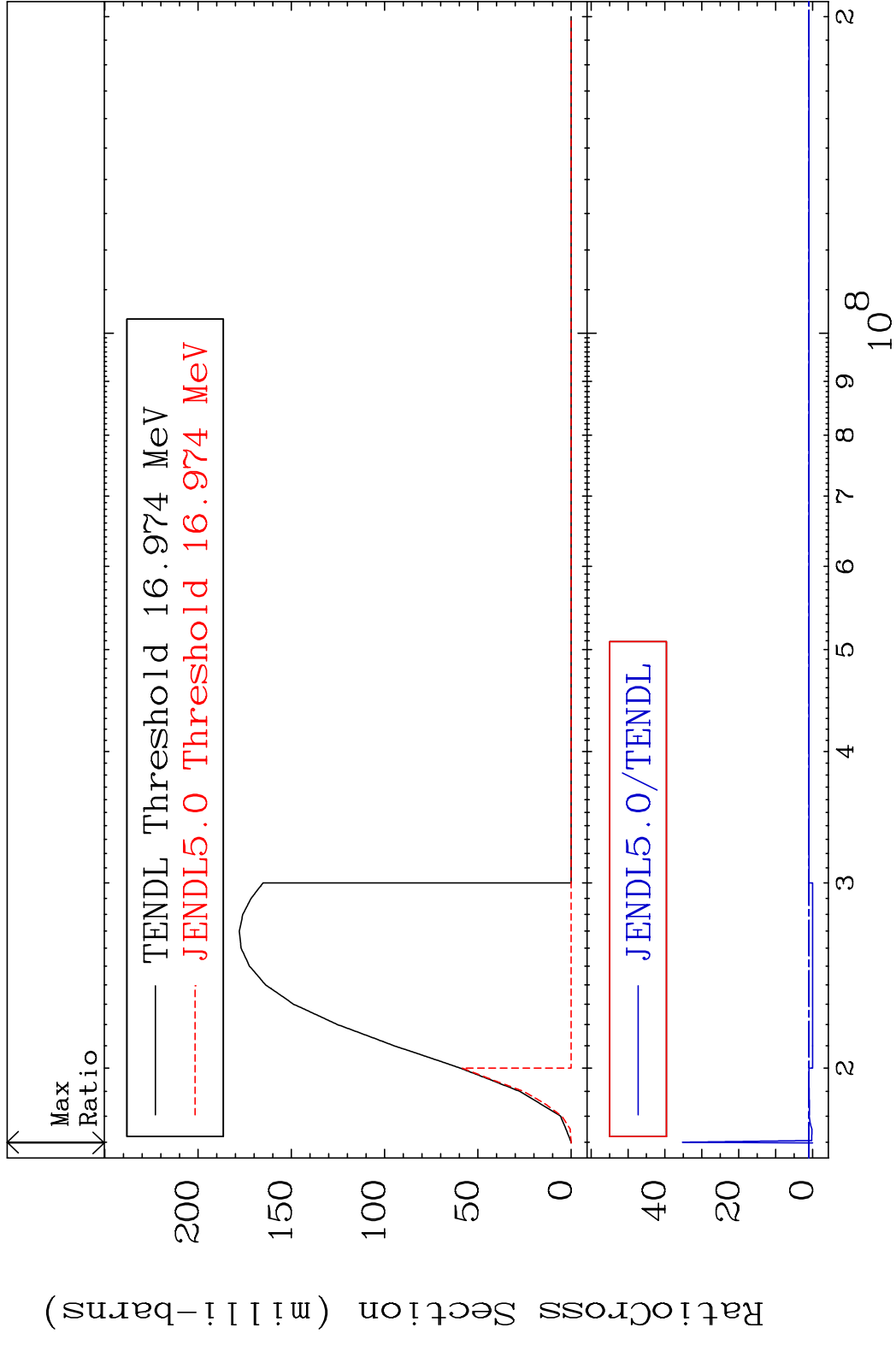


MAT 4126 (n,3n):41-Nb-91g 41-Nb-93m
 Radionuclide Production Cross Section 180.0 dth 2286. %

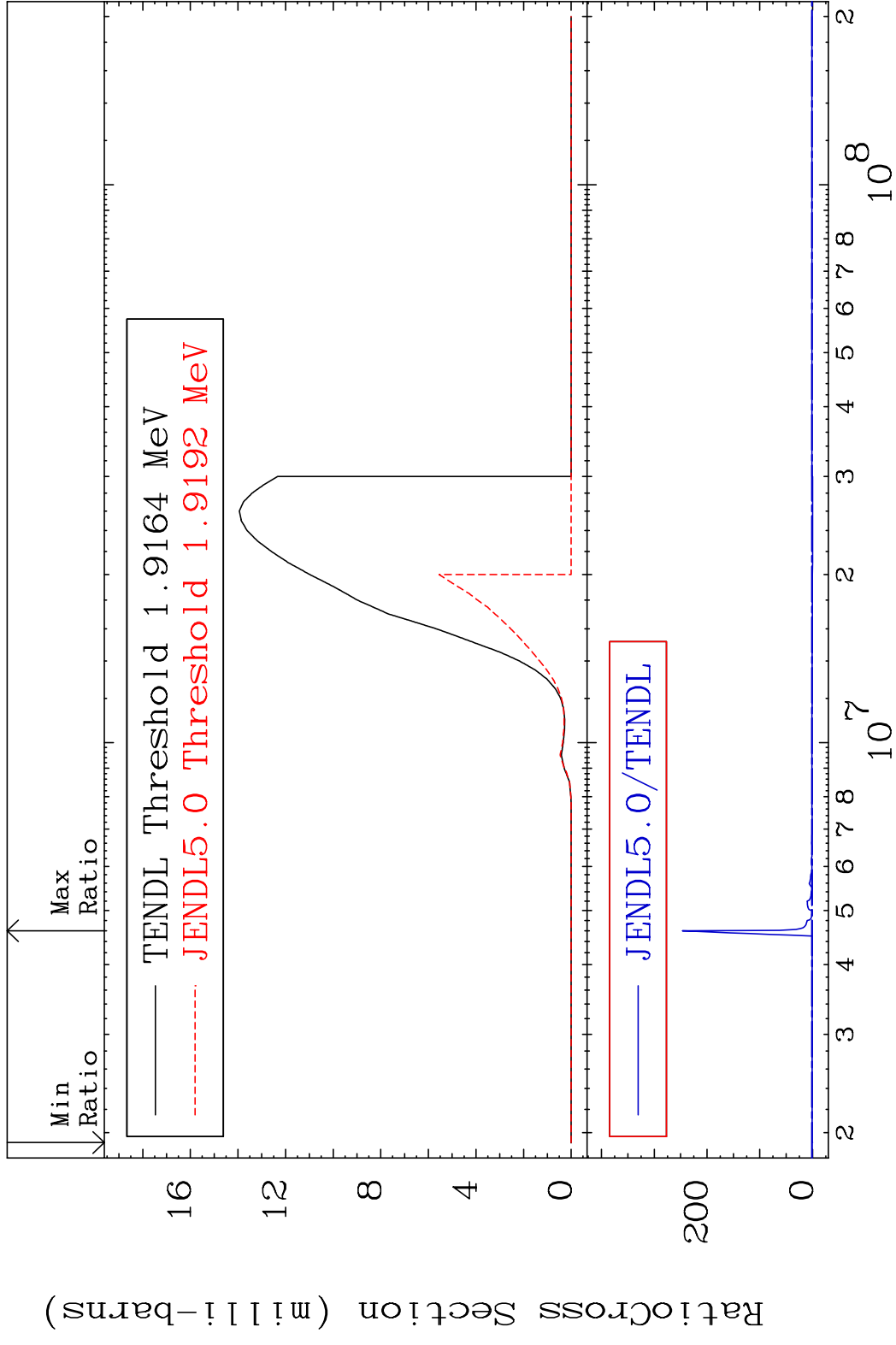


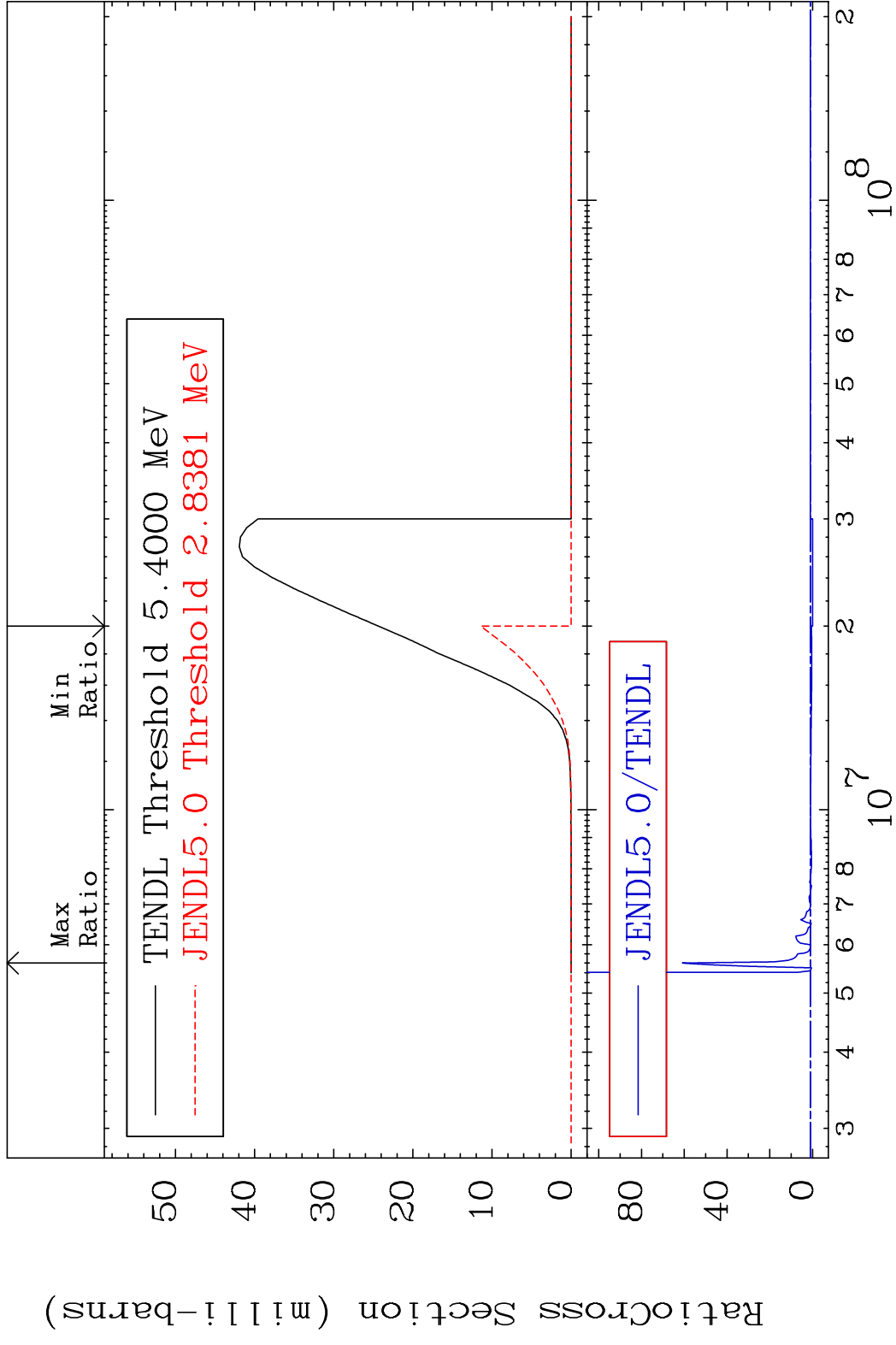
55 Incident Energy (eV) 41-Nb-93m

MAT 4126 (n,3n):41-Nb-91m1 41-Nb-93m
 Radionuclide Production Cross Section Ratio 3428. %

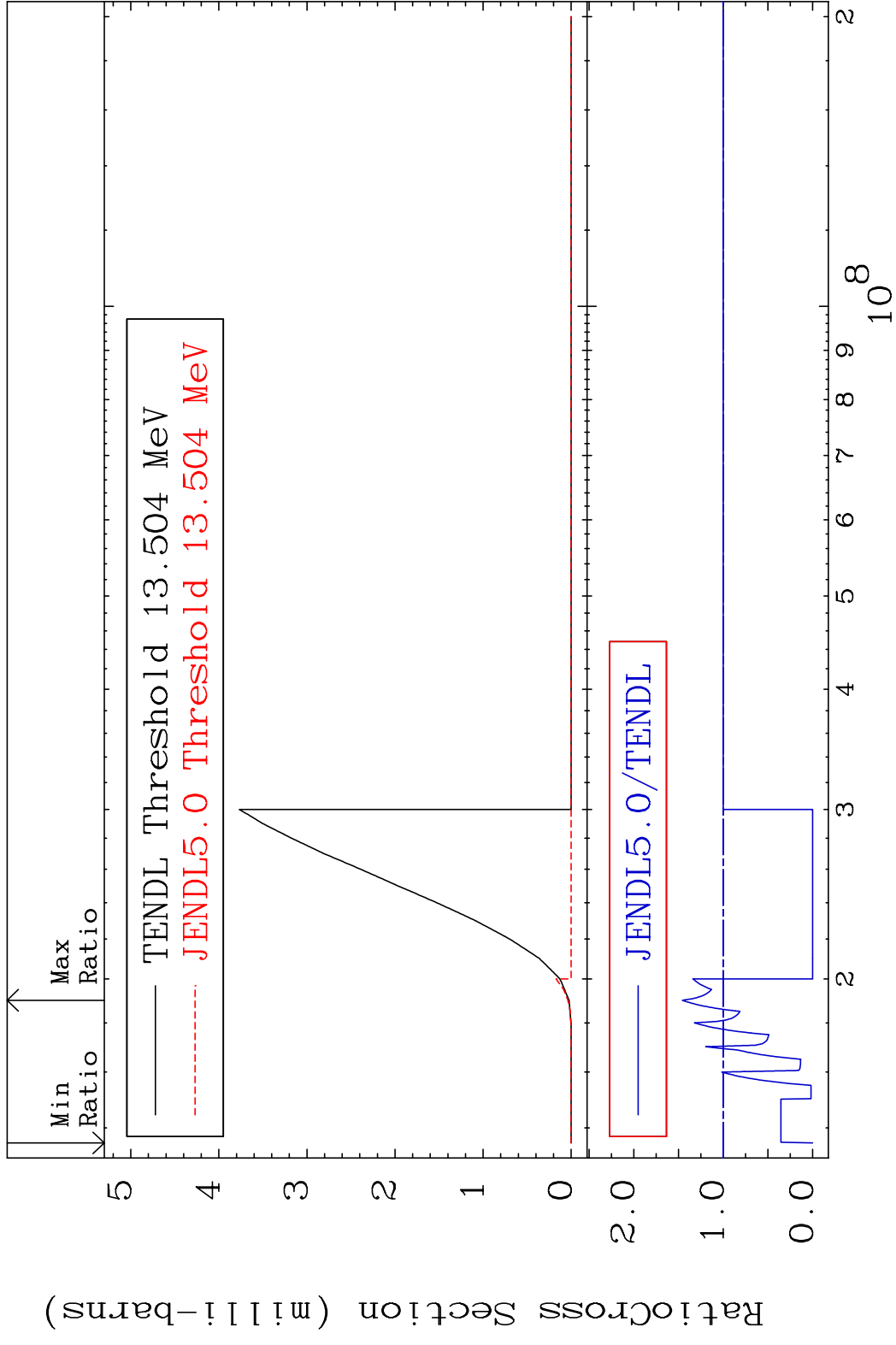


MAT 4126 (n, n') α :39-Y -89g 41-Nb-93m
 Radionuclide Production Cross Section 100.00 to 9999.00 %





MAT 4126 (n, n') t:40-Zr-90g 41-Nb-93m
 Radionuclide Production Cross Section 1800 dth 45.72 %



MAT 4126 (n, n') t:40-Zr-90m3 41-Nb-93m
 Radionuclide Production Cross Section 180.0 mb 0.000 %

