

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

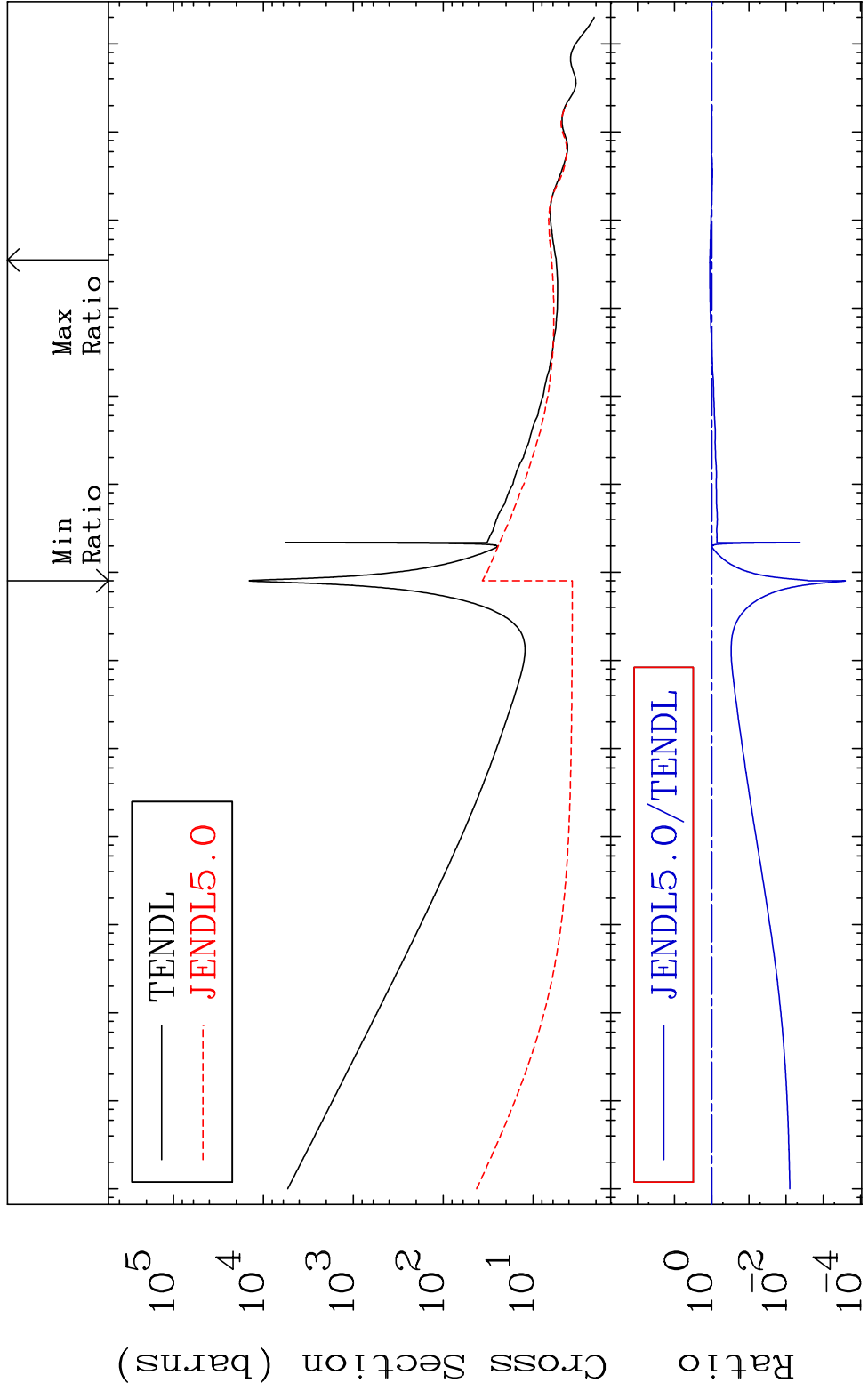
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5253

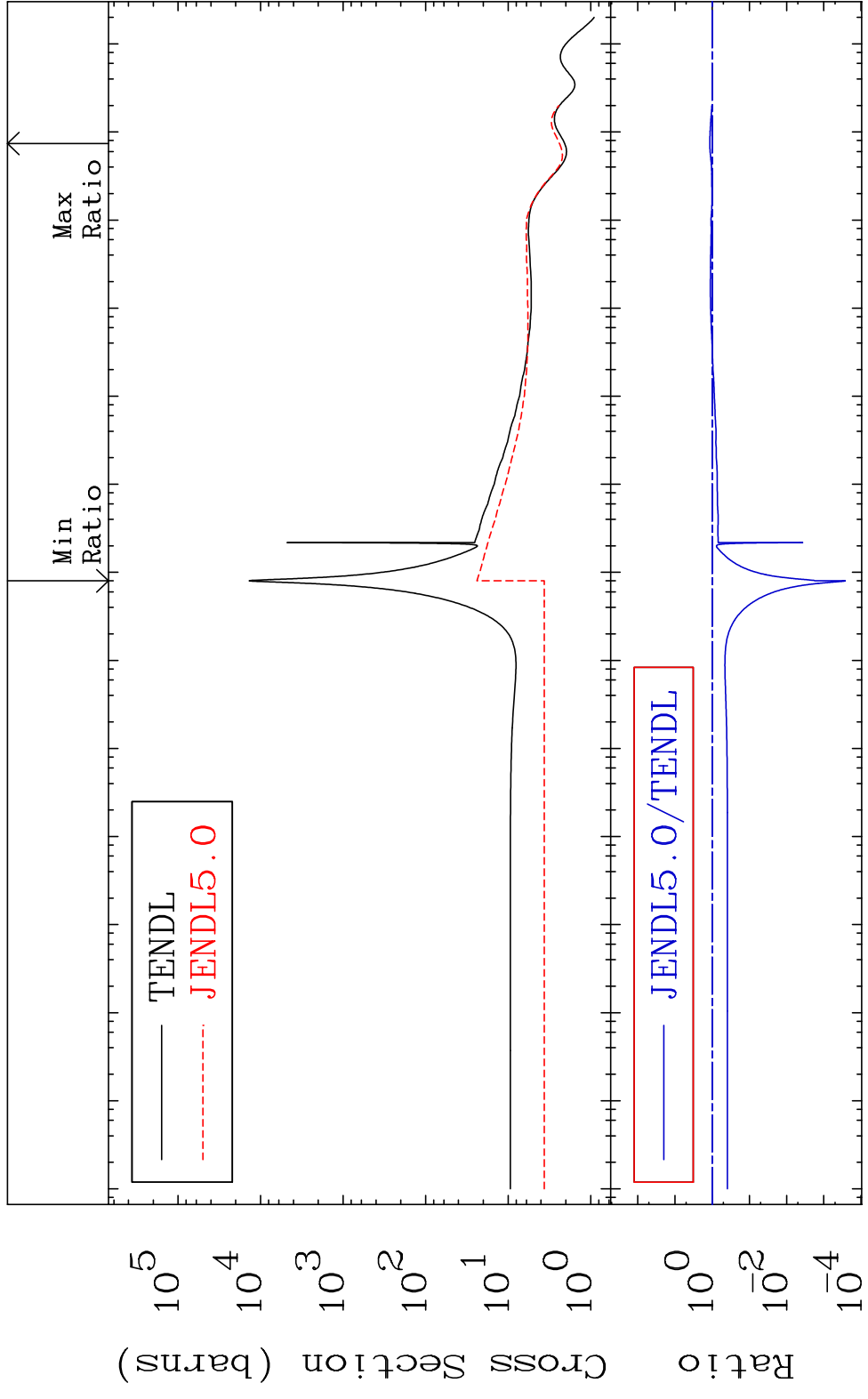
Total Cross Section 52-Te-129m
-99.97 To 12.69 %



1 Incident Energy (eV) 52-Te-129m

MAT 5253

Elastic Cross Section 52-Te-129m
-99.97 To 15.35 %



2 Incident Energy (eV) 52-Te-129m

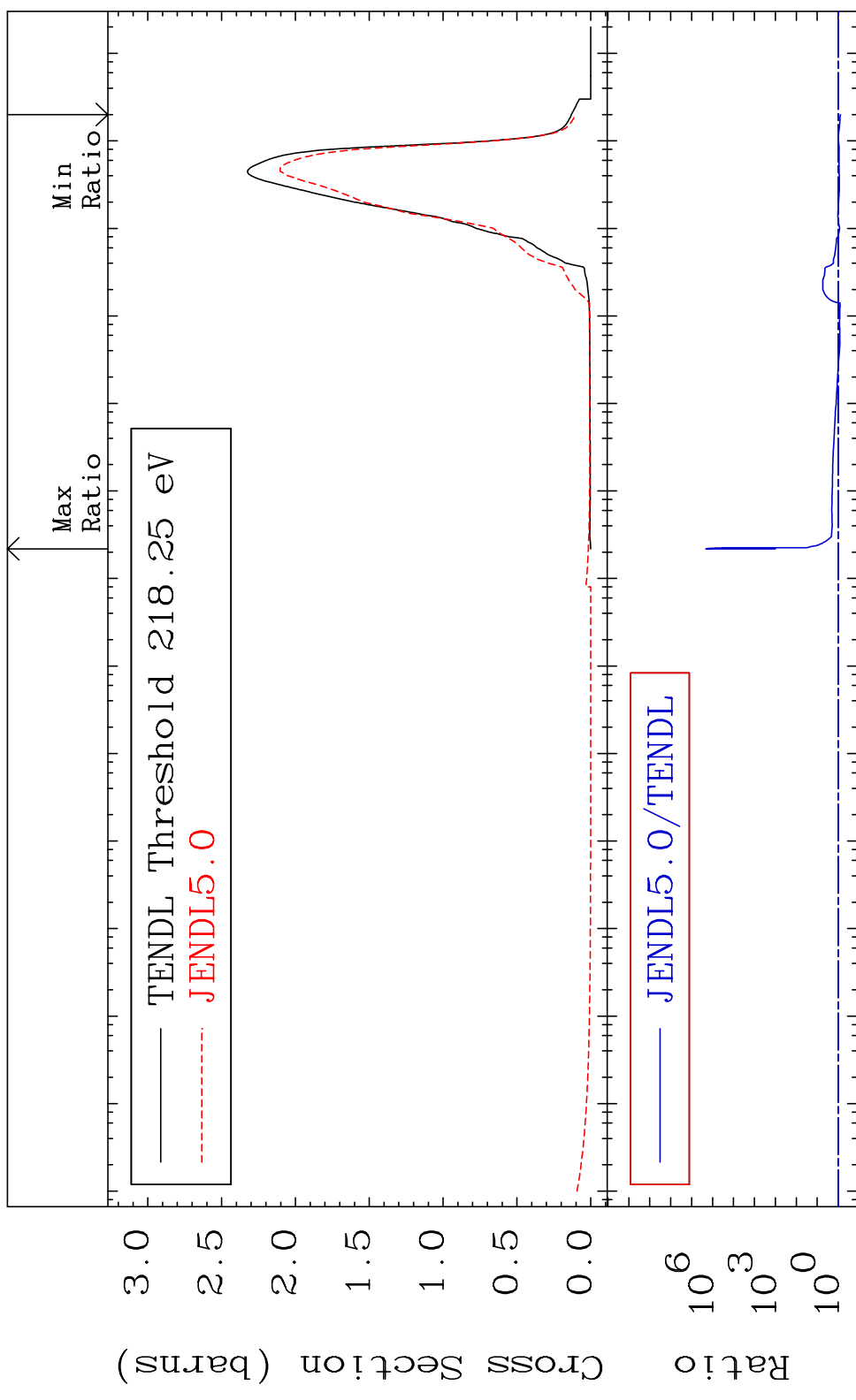
MAT 5253

Inelastic

52-Te-129m

Cross Section

-22.06 To 9999. %



Cross Section (barns)

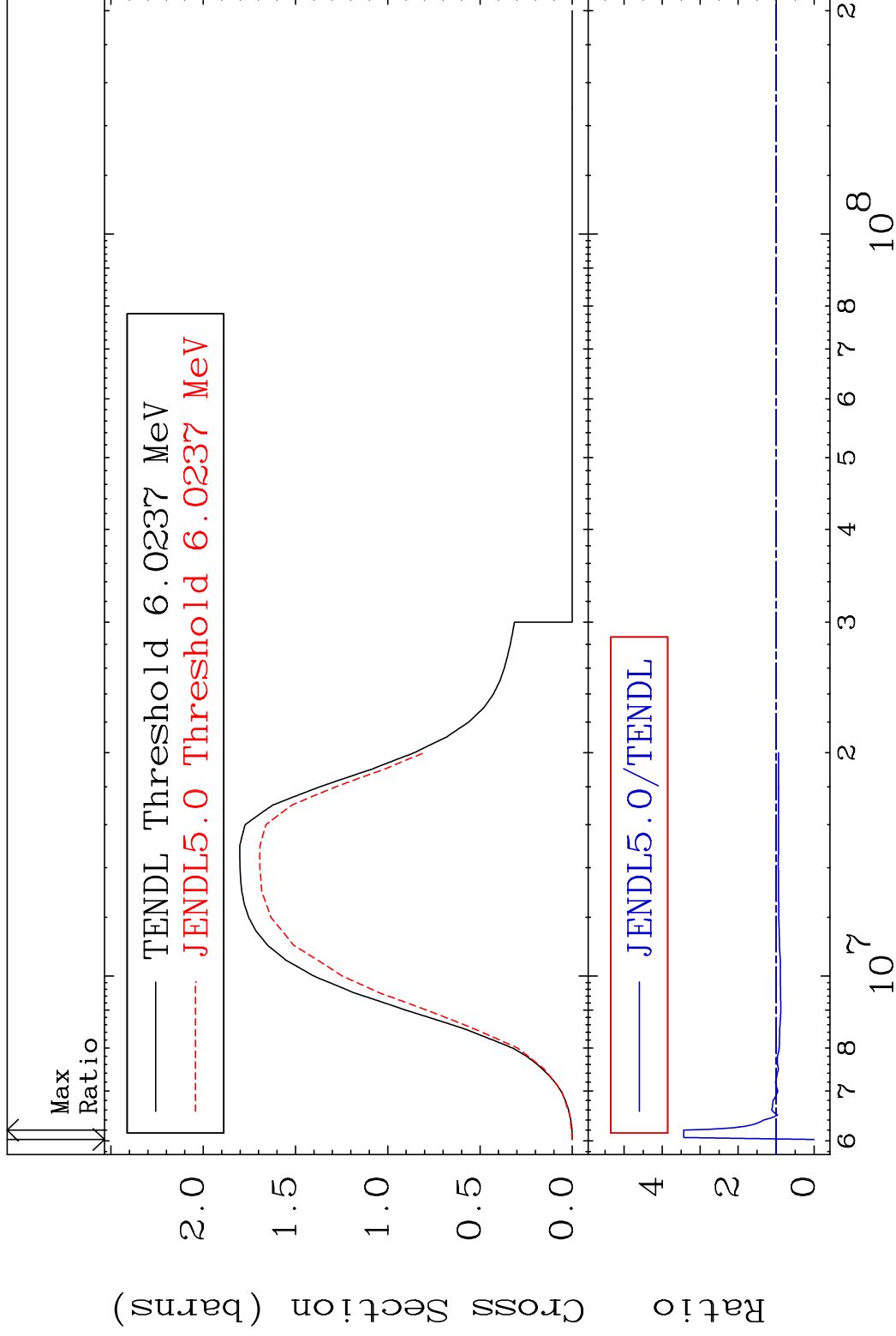
Ratio

MAT 5253

(n,2n)

52-Te-129m

Cross Section -100.0 To 243.4 %



4

Incident Energy (eV)

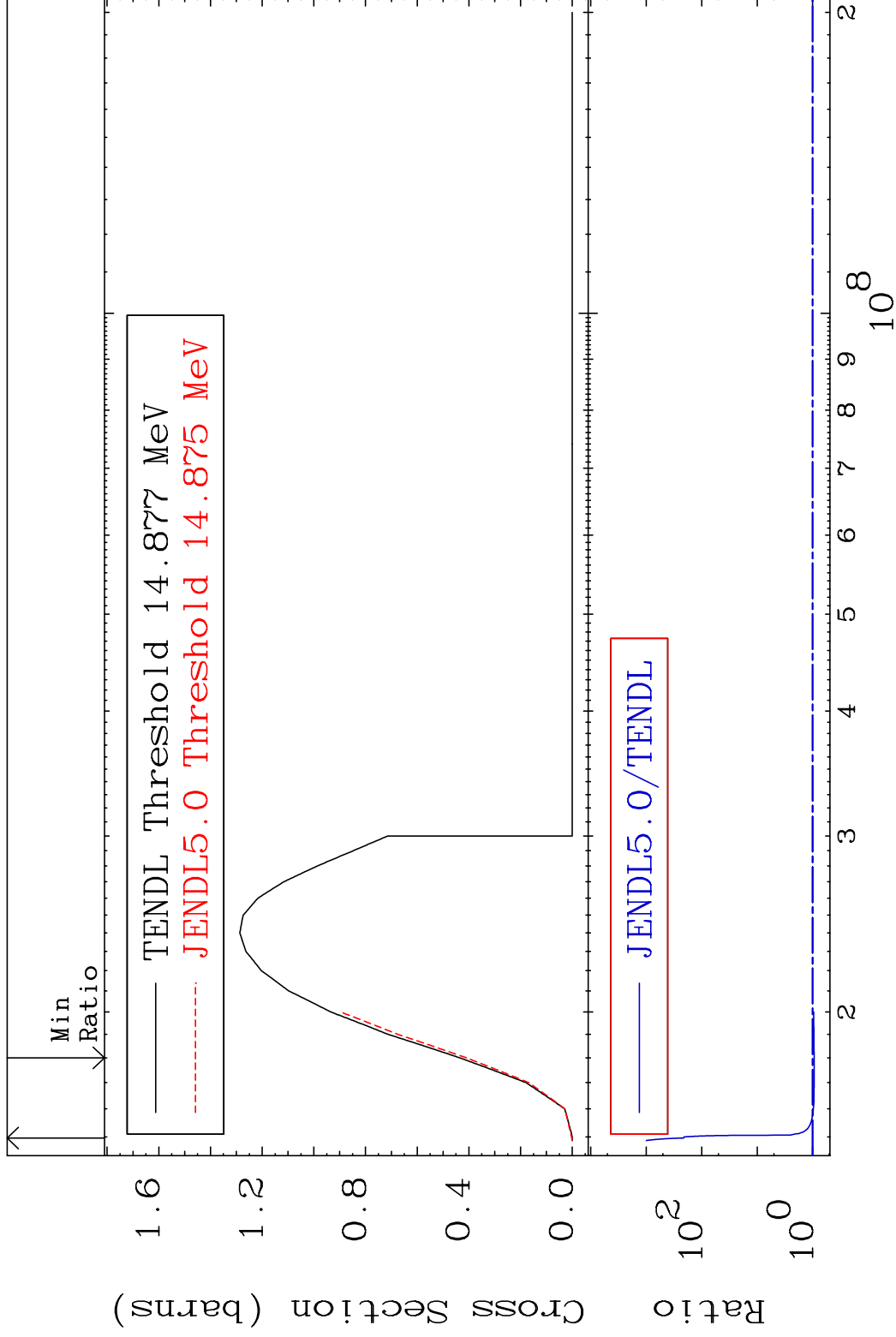
52-Te-129m

MAT 5253

(n,3n)

52-Te-129m

Cross Section -5.911 To 9999. %



5

Incident Energy (eV)

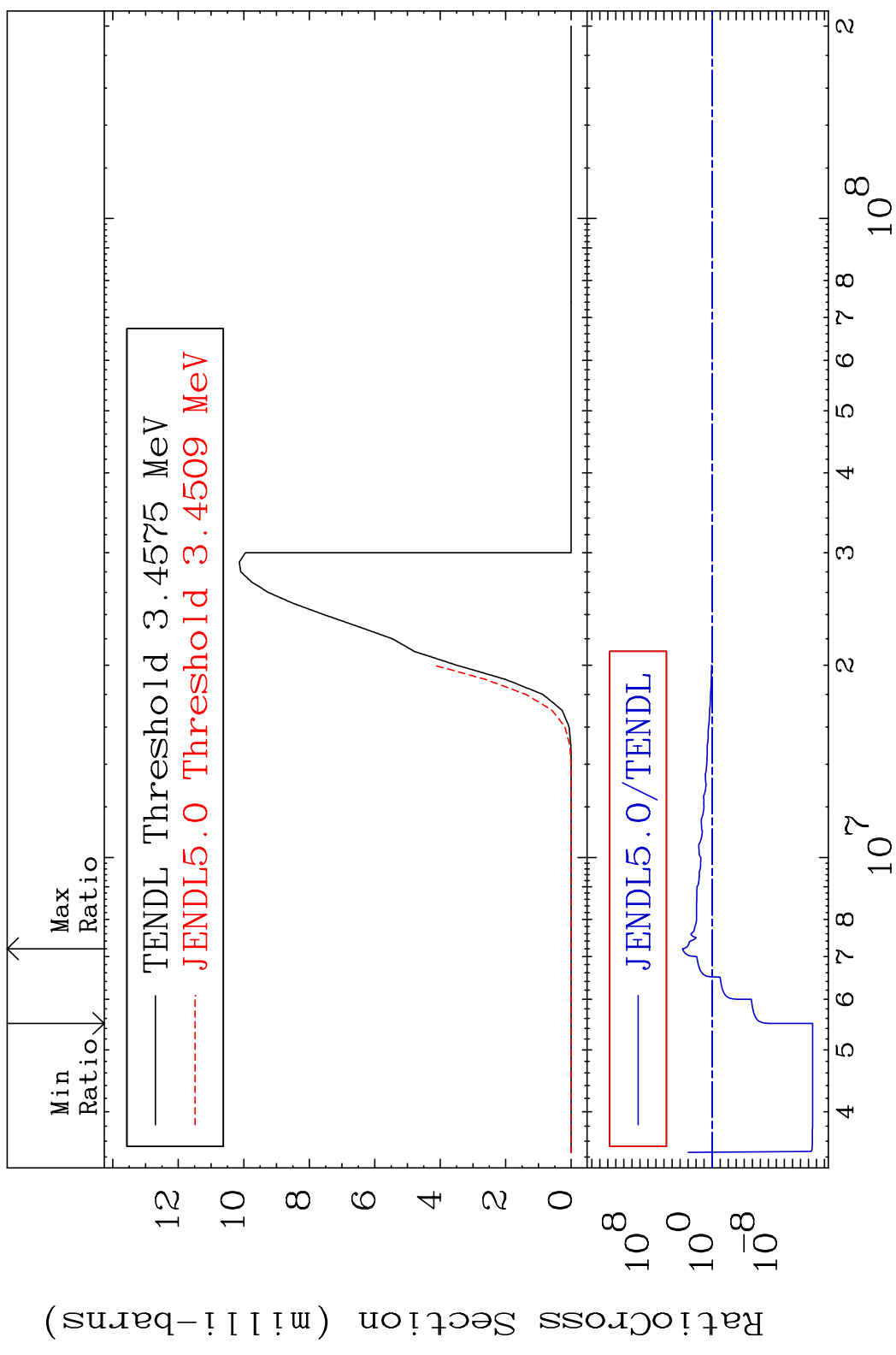
52-Te-129m

MAT 5253

(n, n') α

52-Te-129m

Cross Section -100.0 To 9999. %

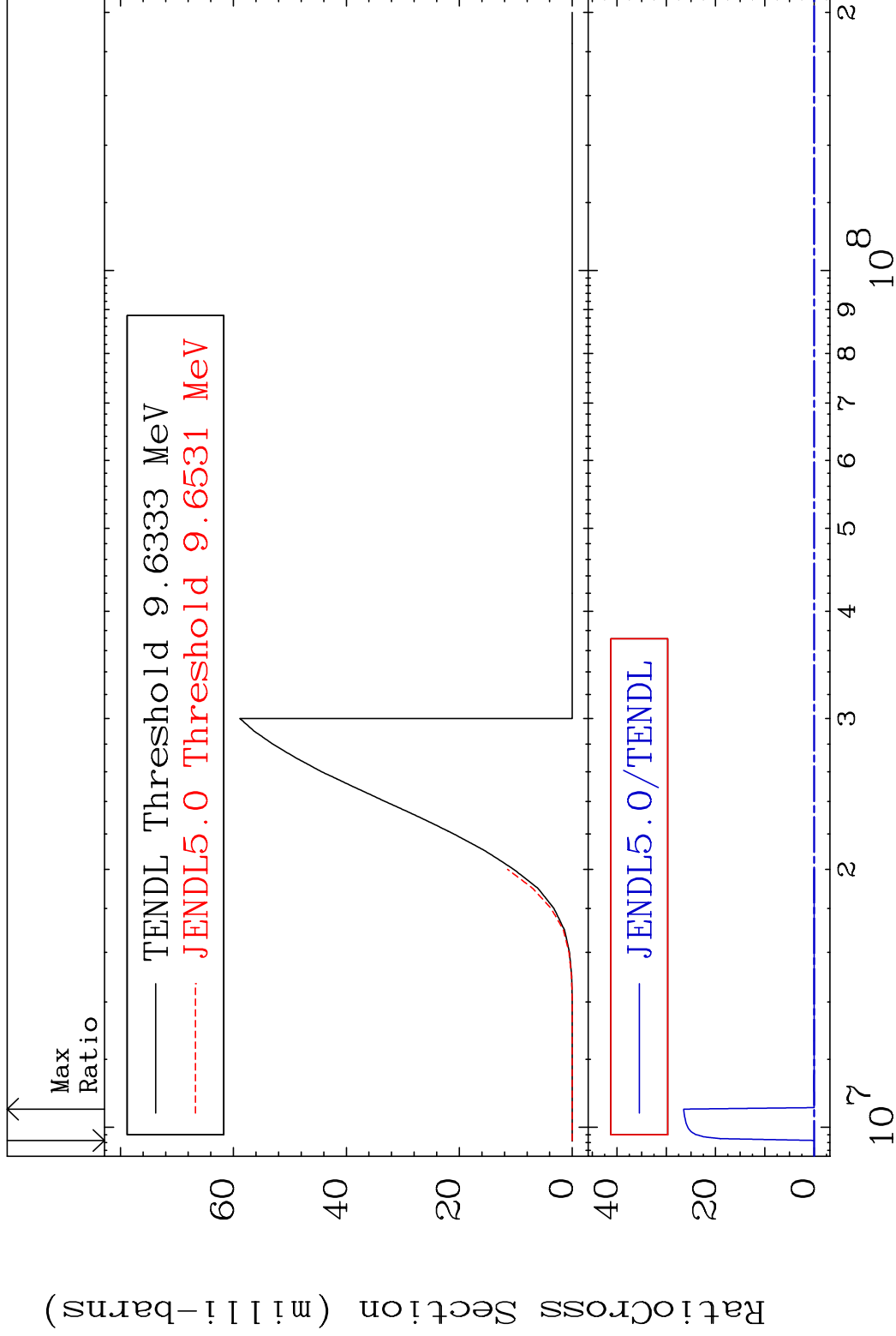


MAT 5253

(n, n') p

52-Te-129m

Cross Section -100.0 To 9999. %



Incident Energy (eV)

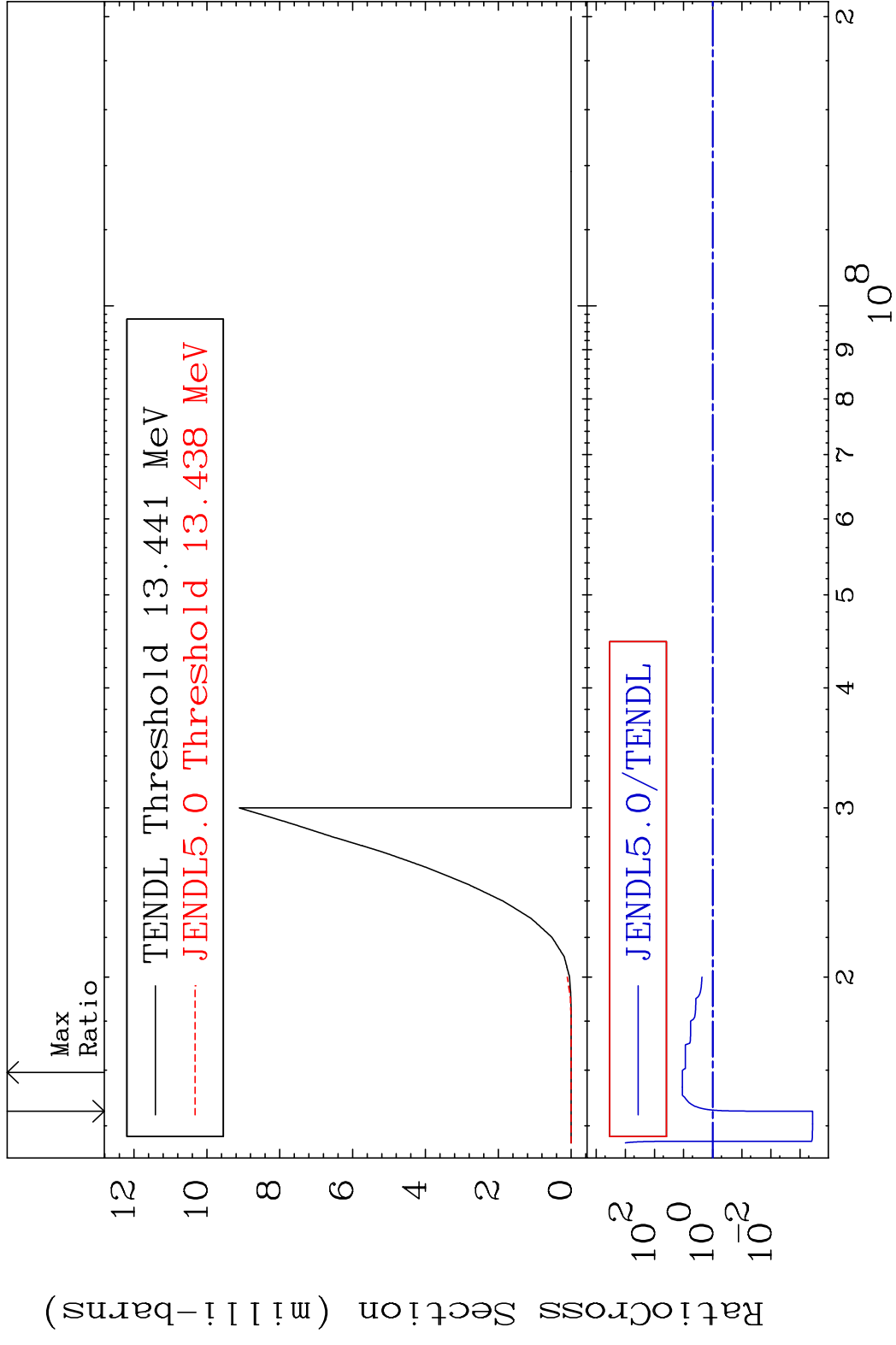
52-Te-129m

MAT 5253

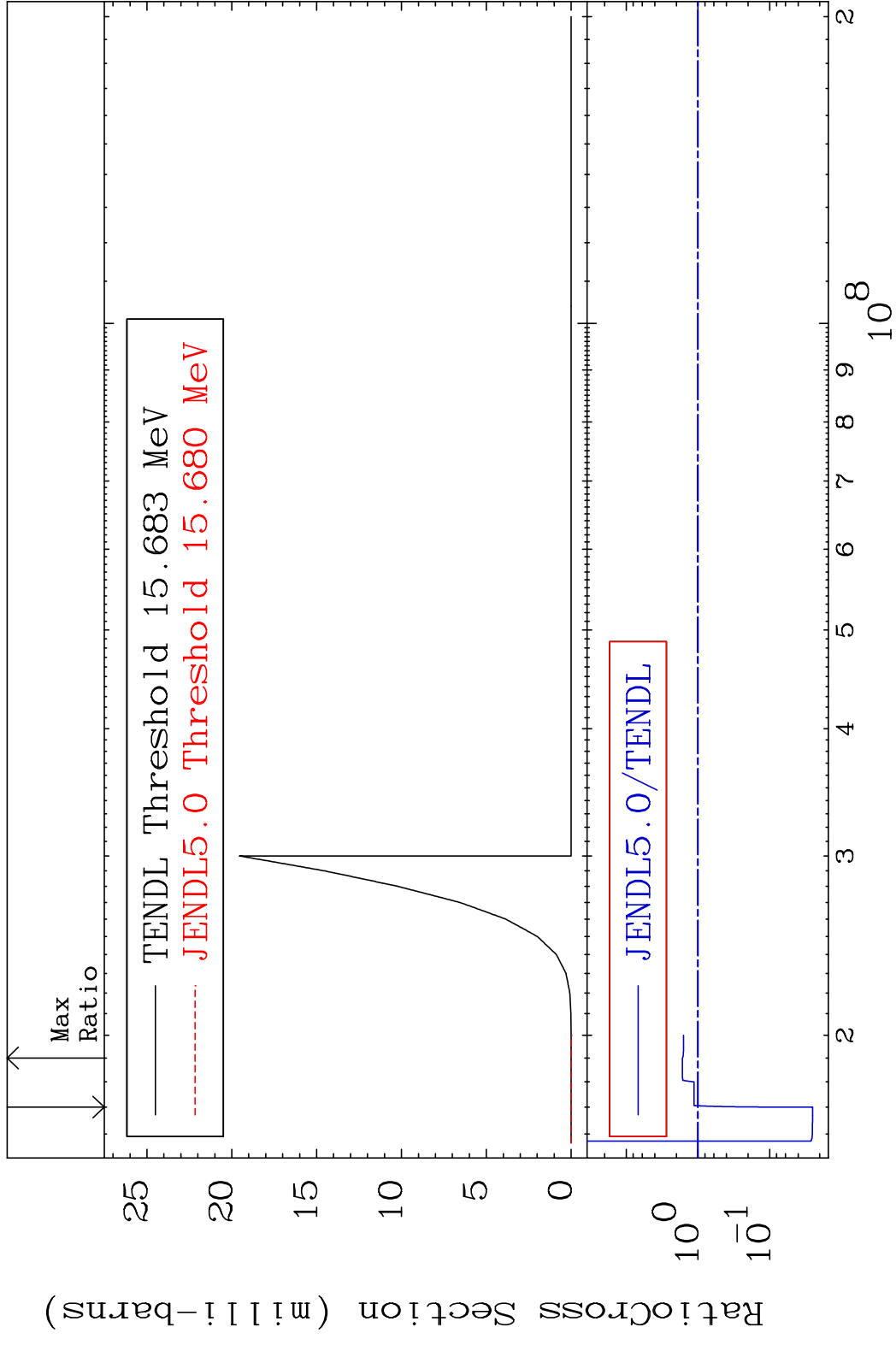
(n, n') d

52-Te-129m

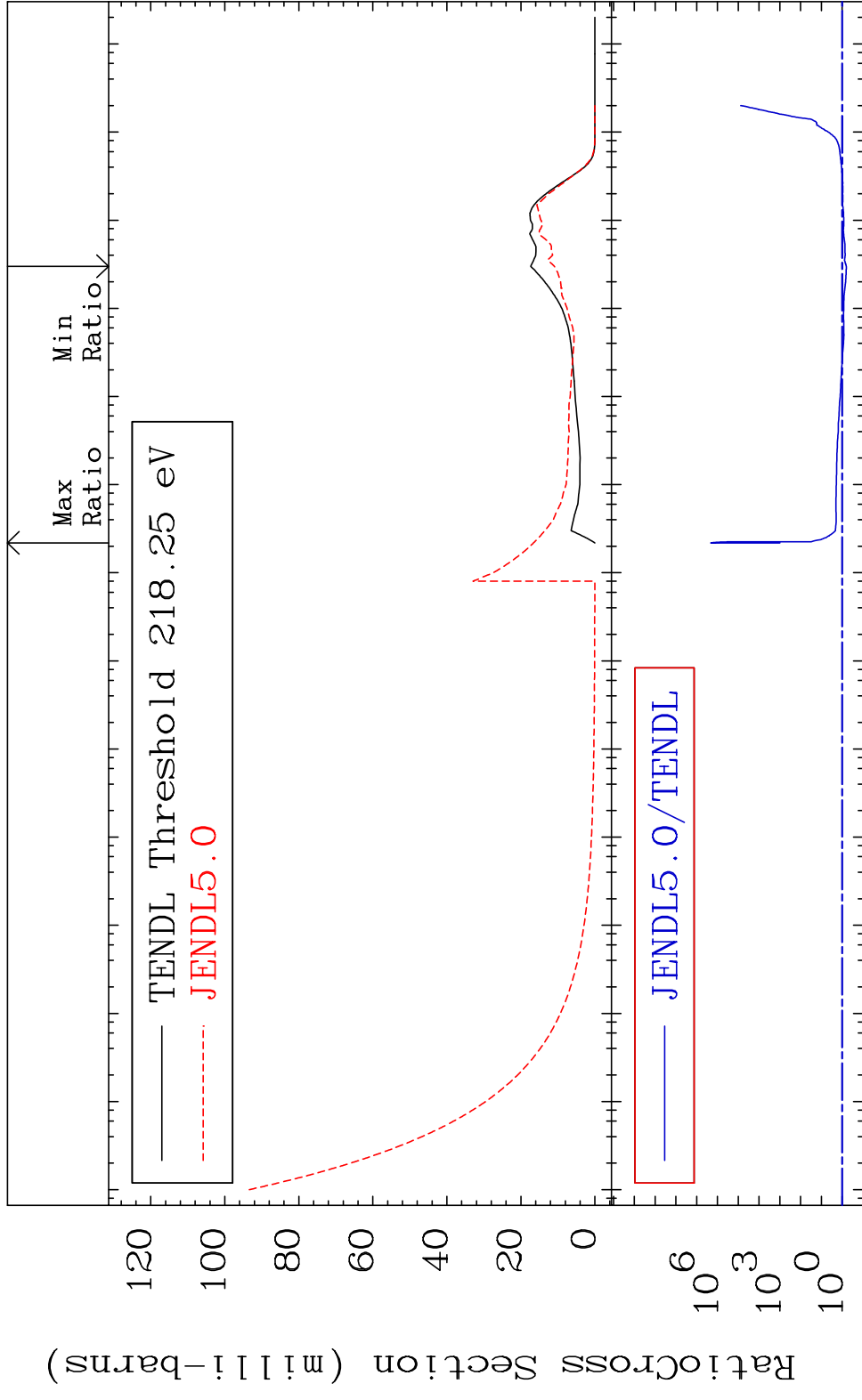
Cross Section -99.96 To 1004. %



MAT 5253 (n,2n) p 52-Te-129m
 Cross Section -97.48 To 64.95 %

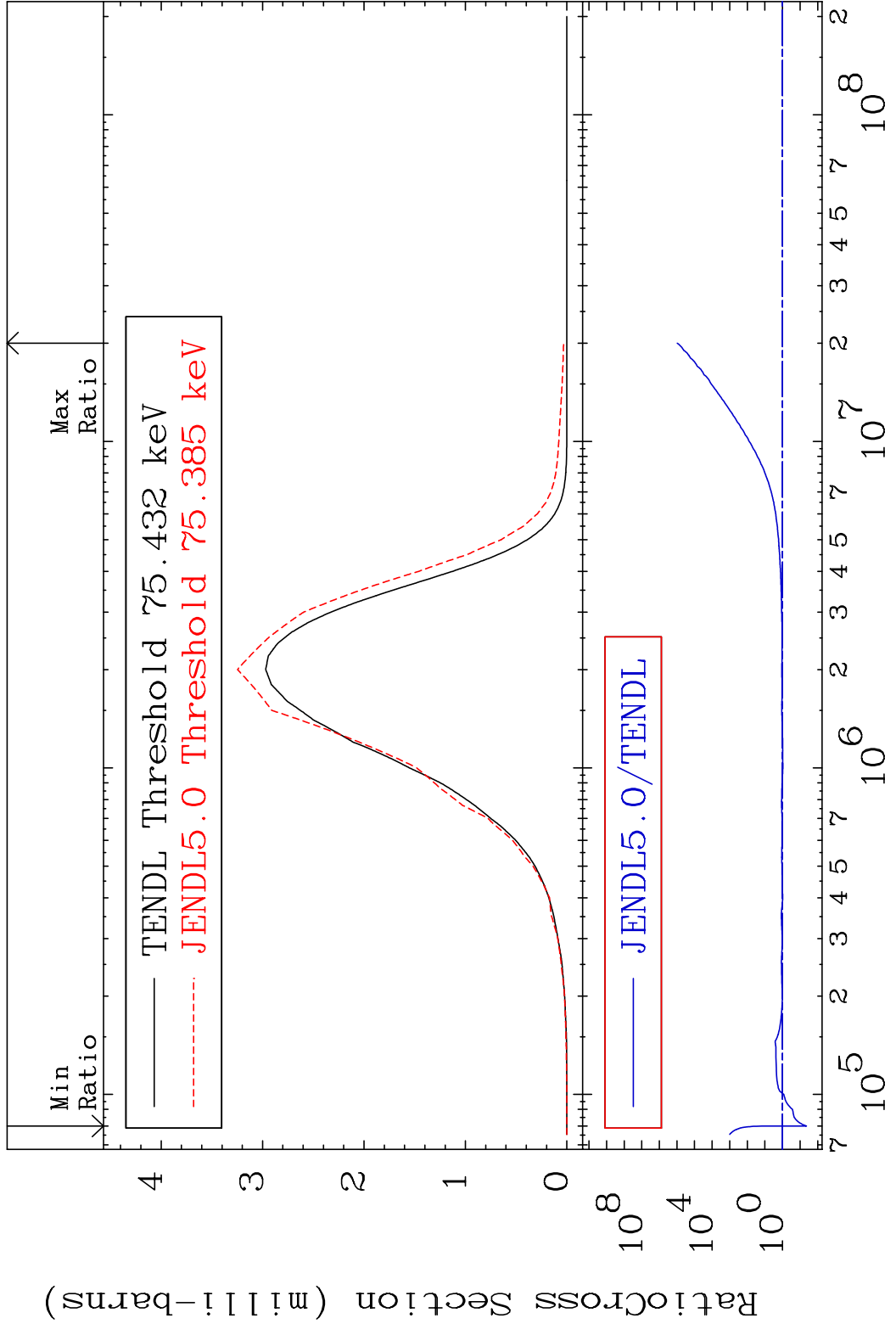


MAT 5253 MT= 51 (n,n') Level 52-Te-129m
 Cross Section -36.85 To 9999. %

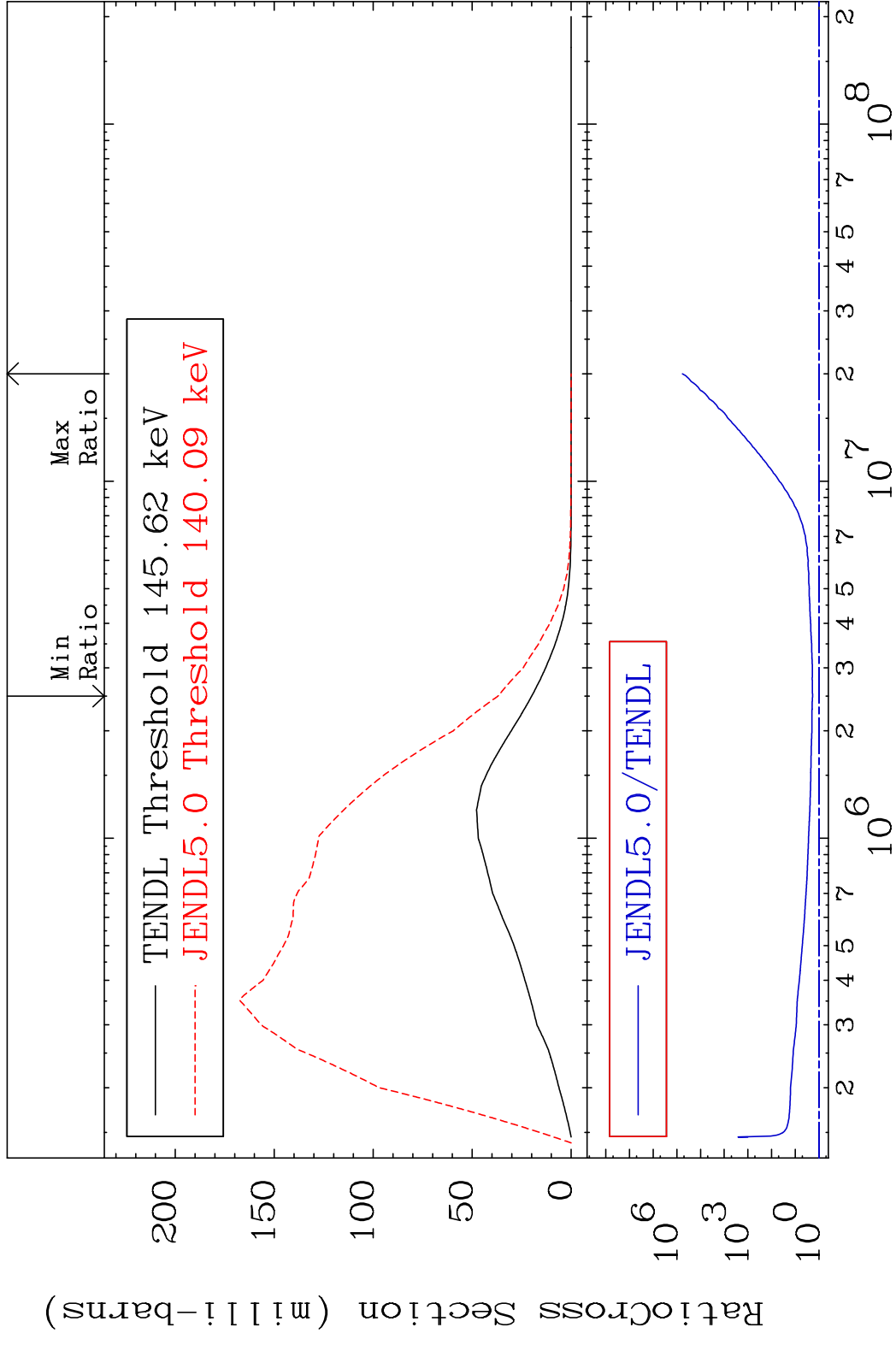


10 Incident Energy (eV) 52-Te-129m

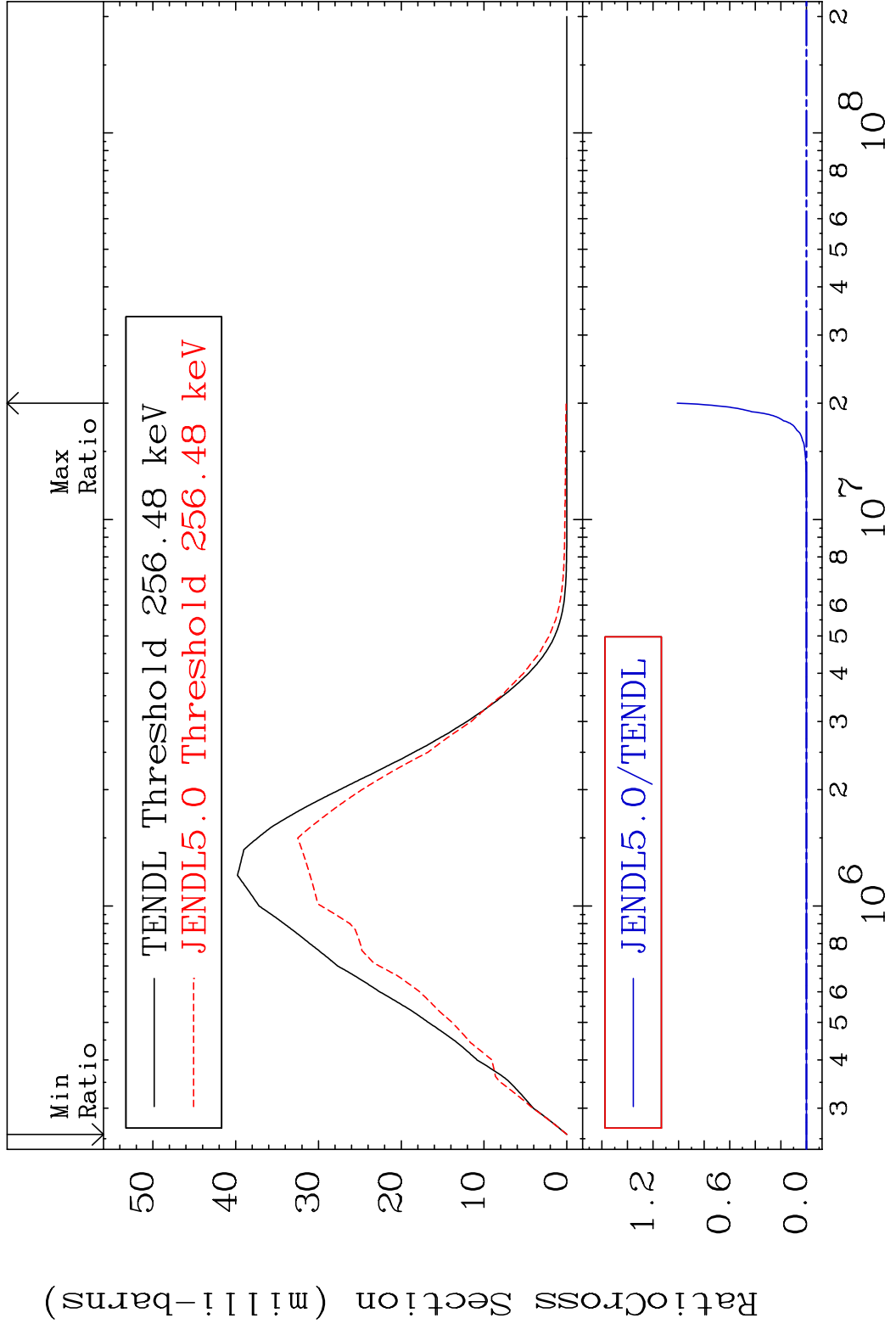
MAT 5253 MT= 52 (n,n') Level 52-Te-129m
 Cross Section -95.64 To 9999. %



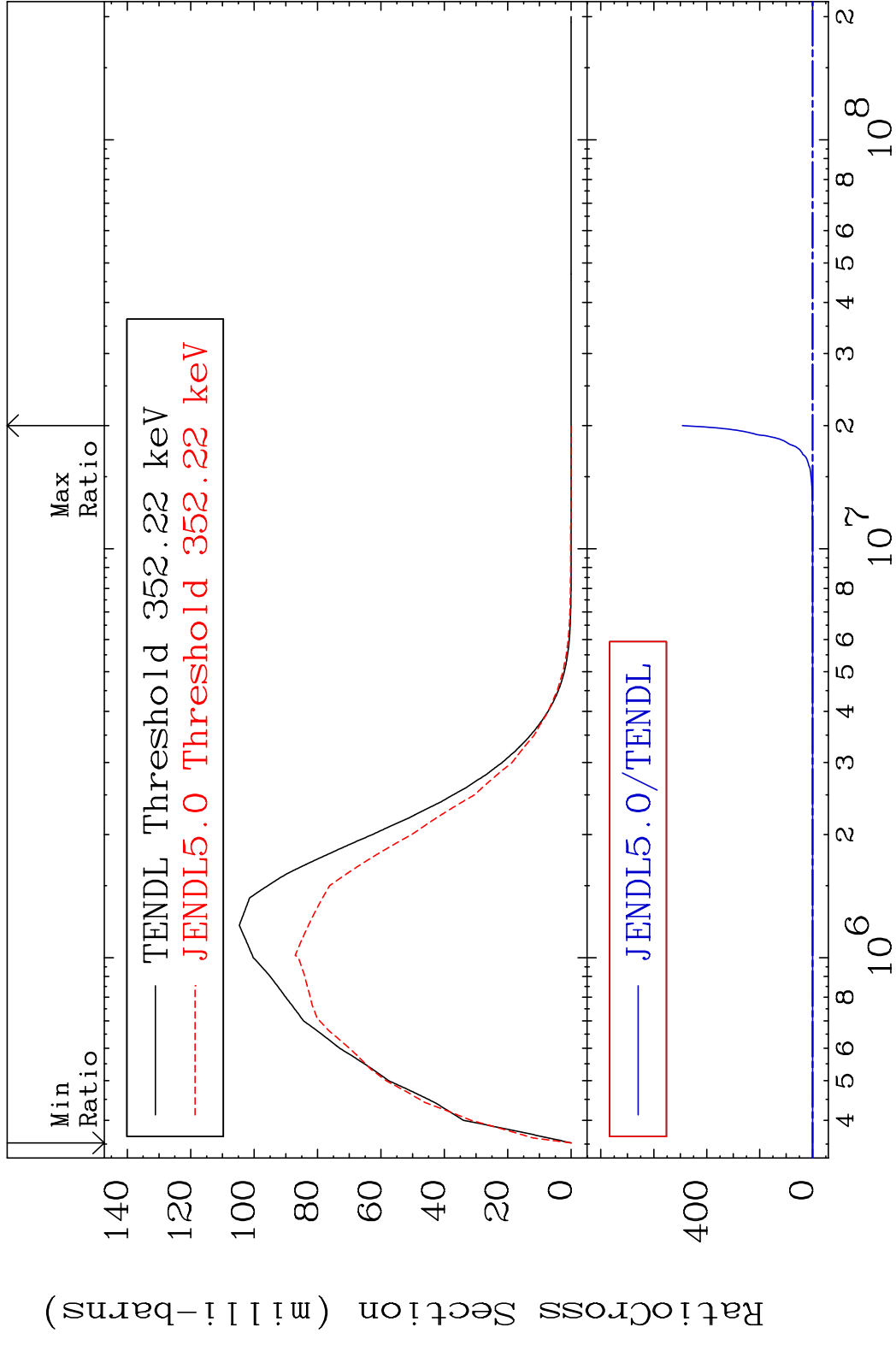
MAT 5253 MT= 53 (n, n') Level 52-Te-129m
 Cross Section 84.98 To 9999. %



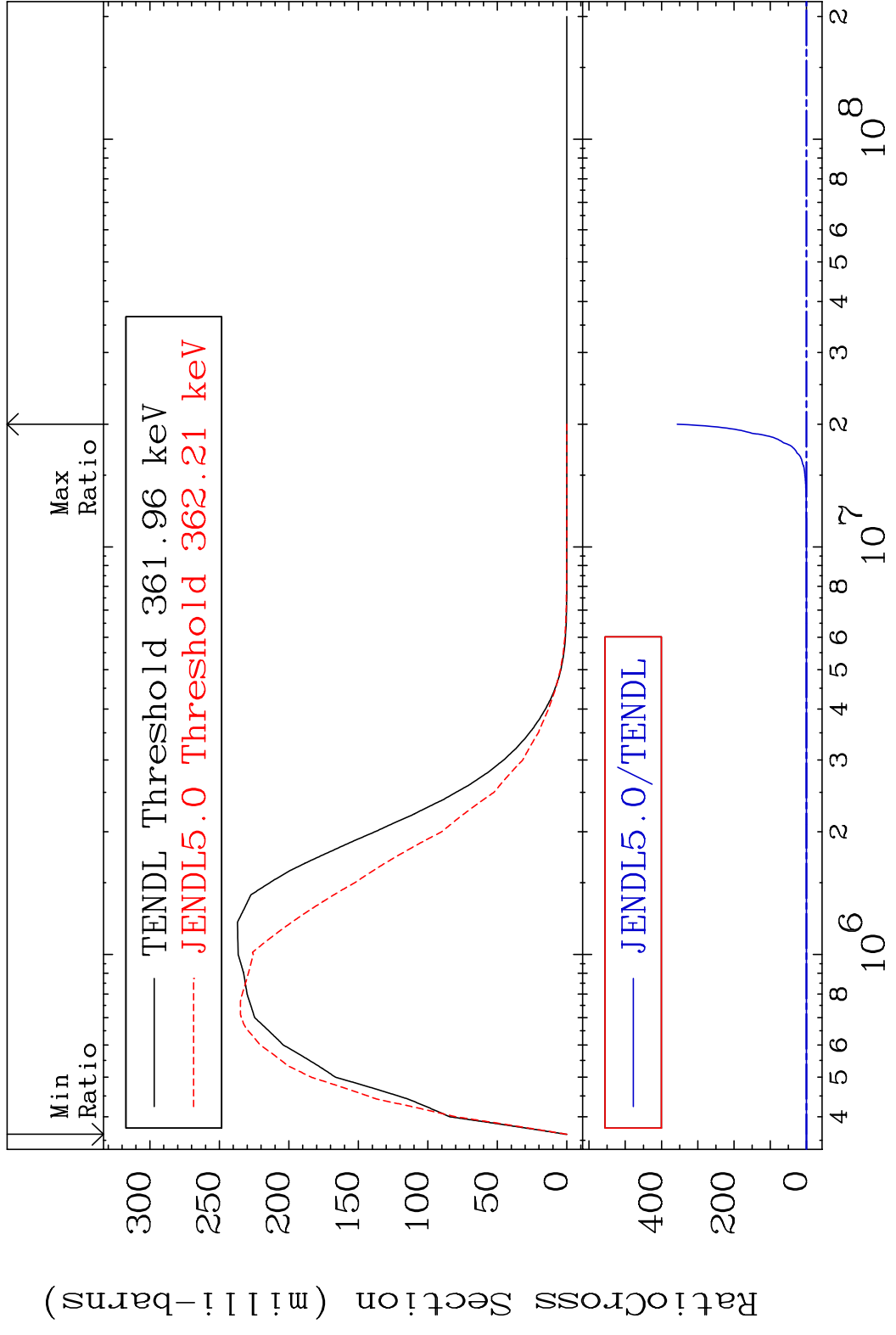
MAT 5253 MT= 54 (n, n') Level 52-Te-129m
 Cross Section -100.0 To 9999. %



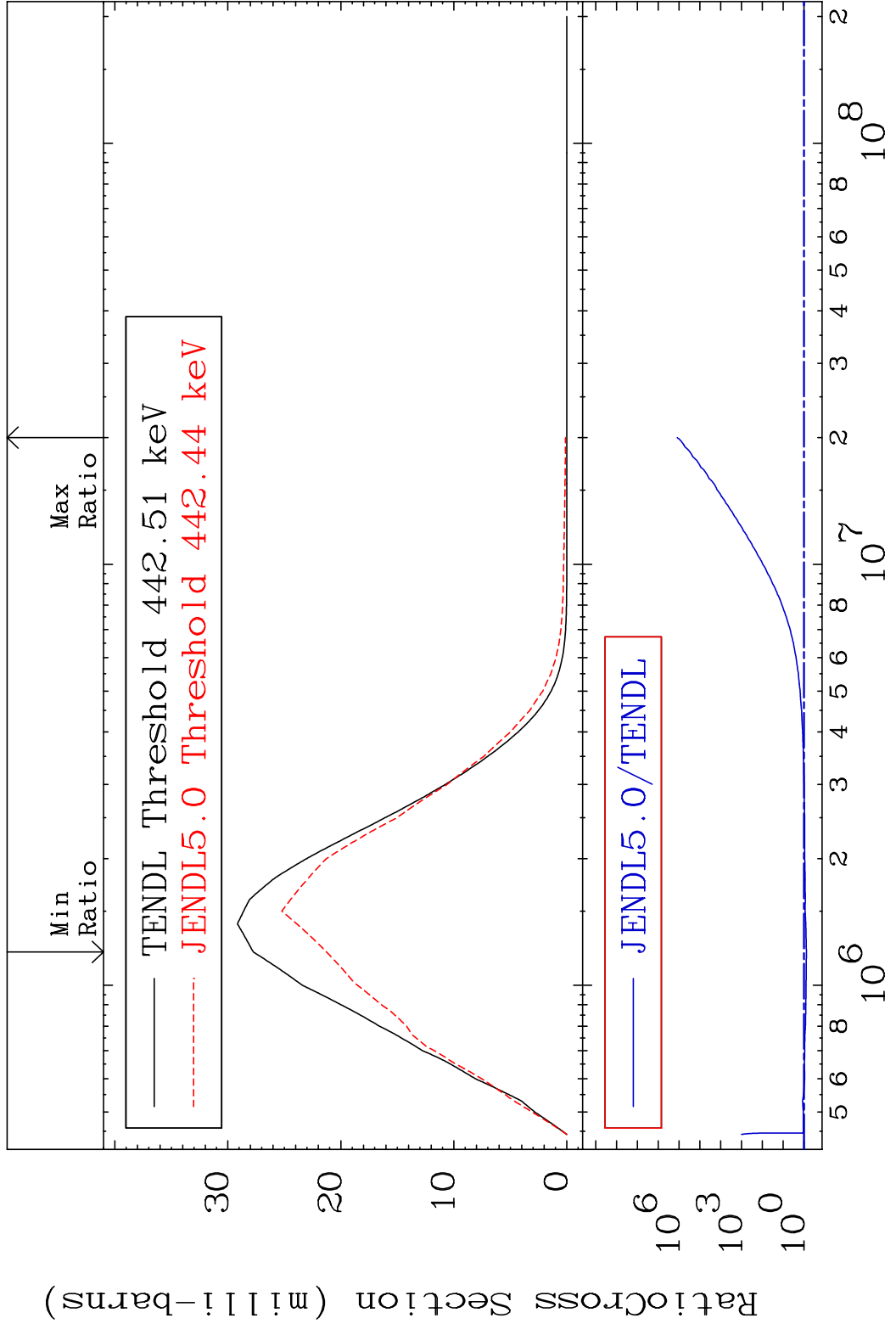
MAT 5253 MT= 55 (n,n') Level 52-Te-129m
 Cross Section -100.0 To 9999. %



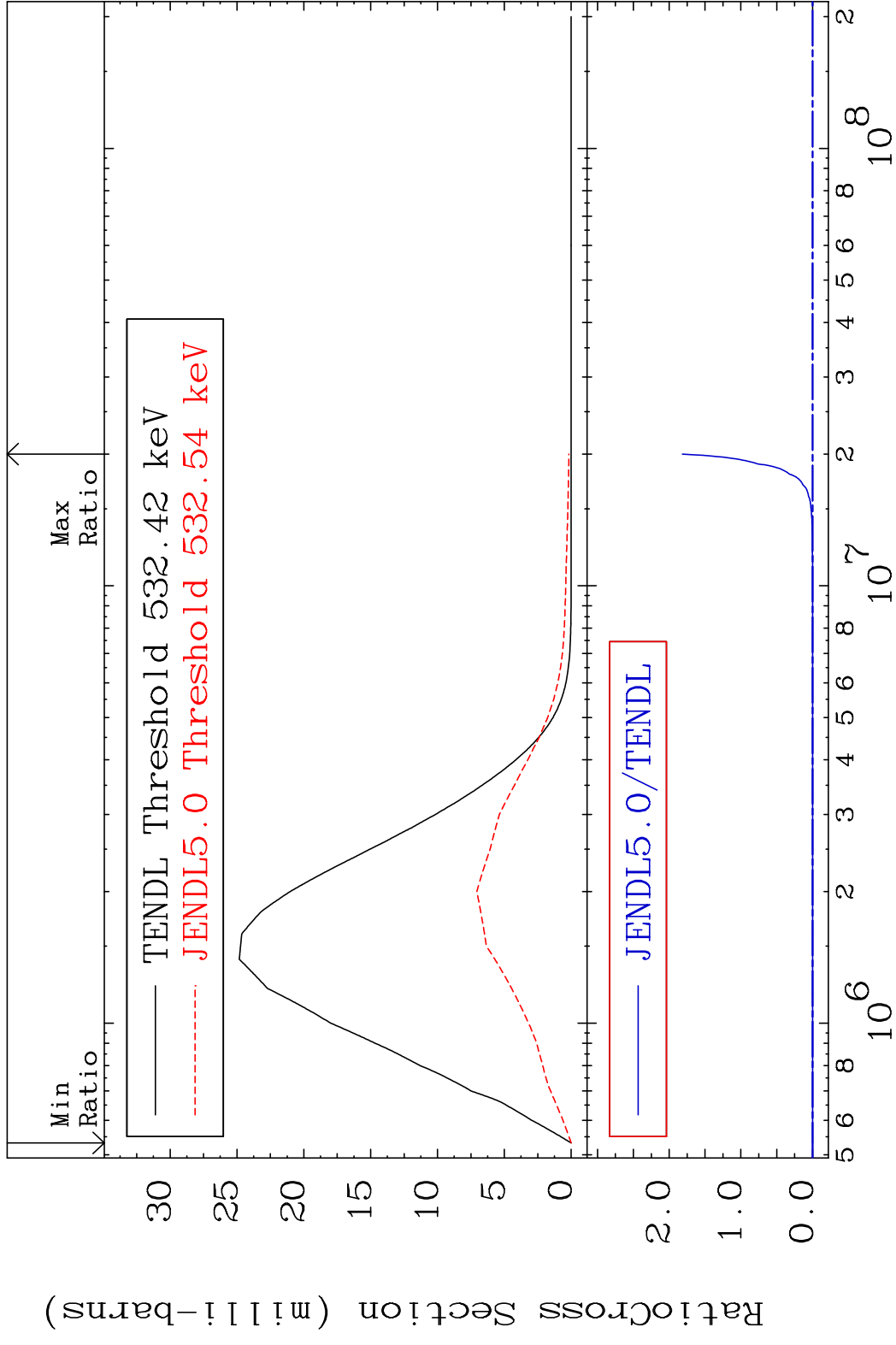
MAT 5253 MT= 56 (n, n') Level 52-Te-129m
 Cross Section -100.0 To 9999. %



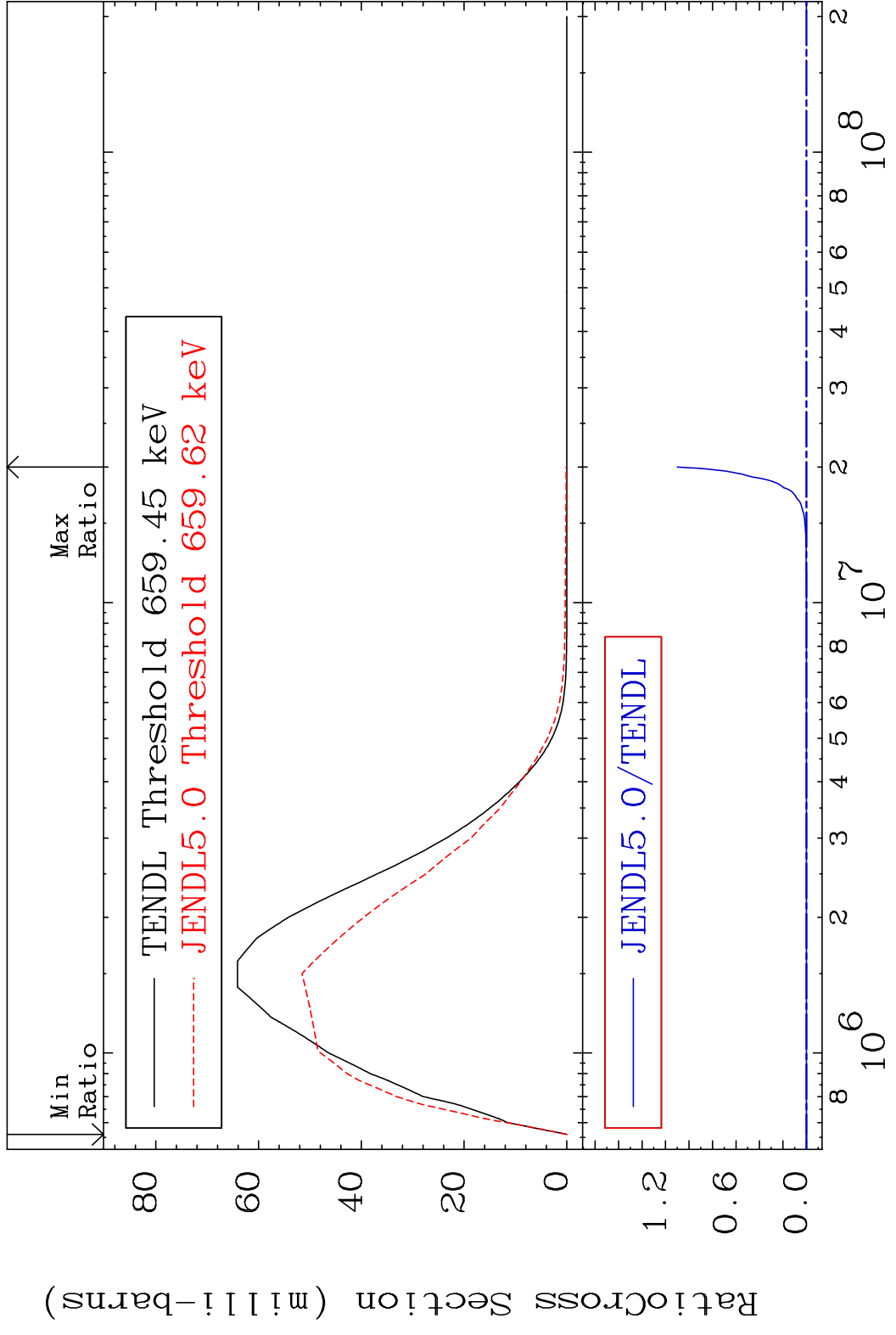
MAT 5253 MT= 57 (n, n') Level 52-Te-129m
 Cross Section -23.37 To 9999. %



MAT 5253 MT= 58 (n, n') Level 52-Te-129m
 Cross Section -100.0 To 9999. %

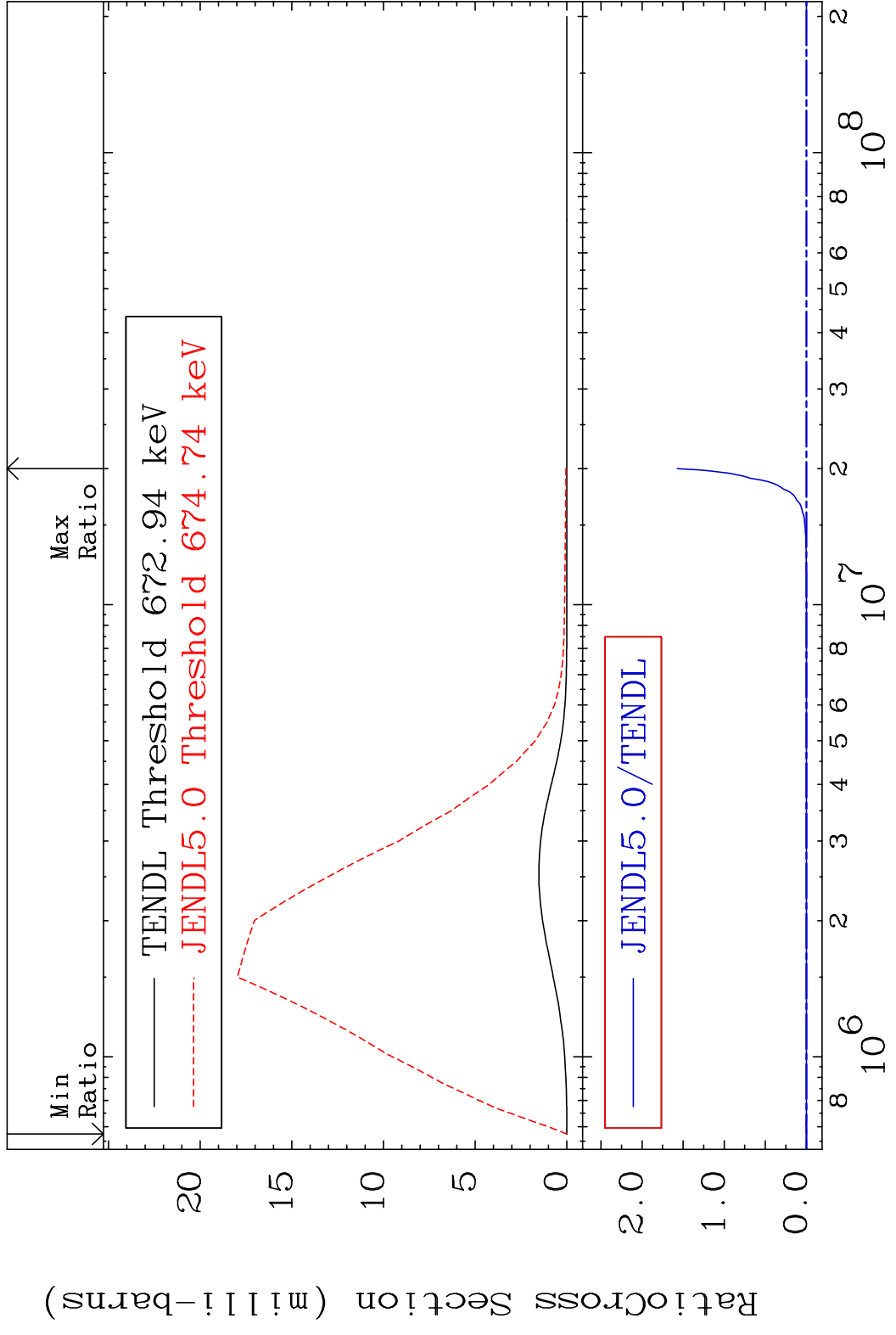


MAT 5253 MT= 59 (n, n') Level 52-Te-129m
 Cross Section -100.0 To 9999. %

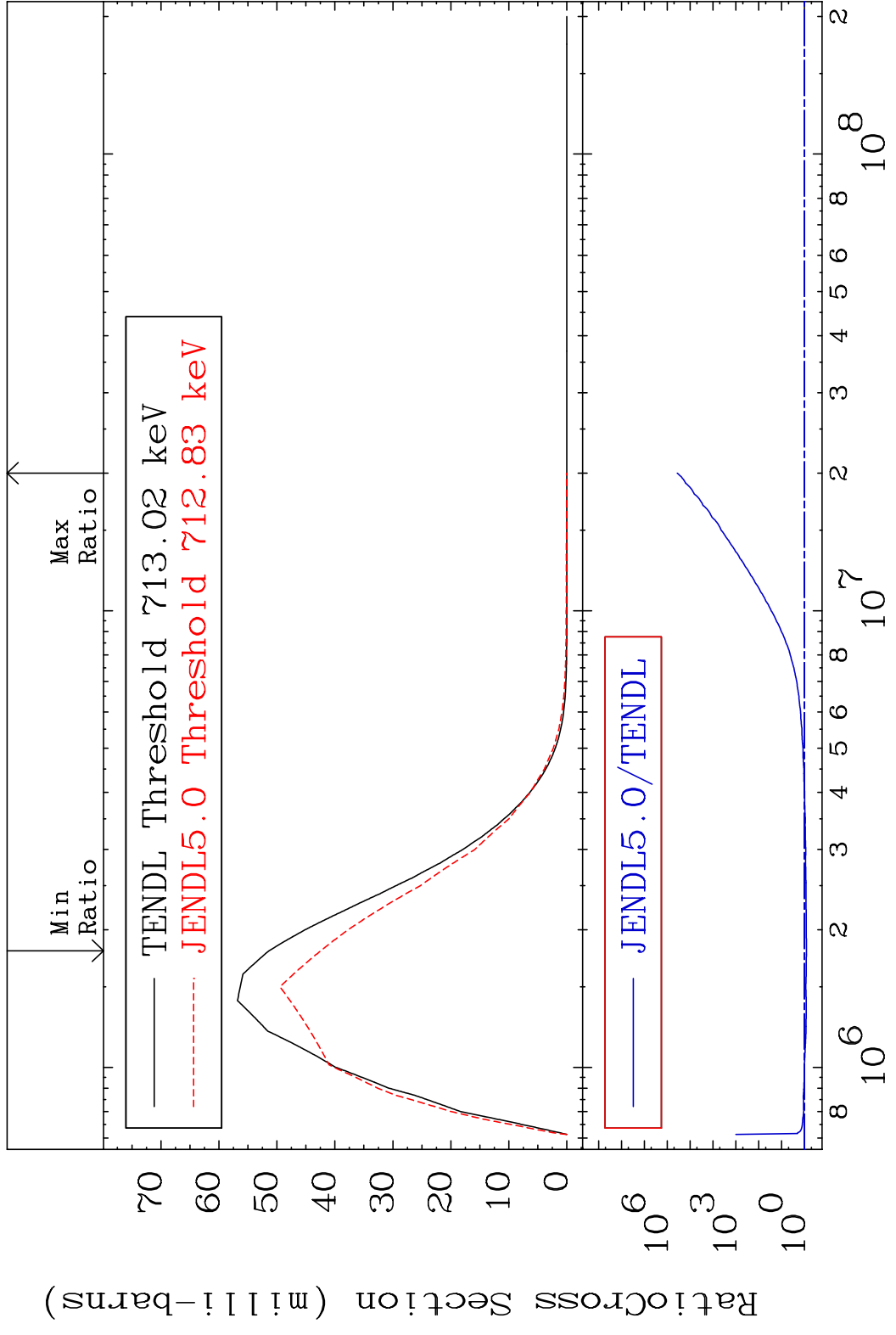


18 Incident Energy (eV) 52-Te-129m

MAT 5253 MT= 60 (n, n') Level 52-Te-129m
 Cross Section -100.0 To 9999. %

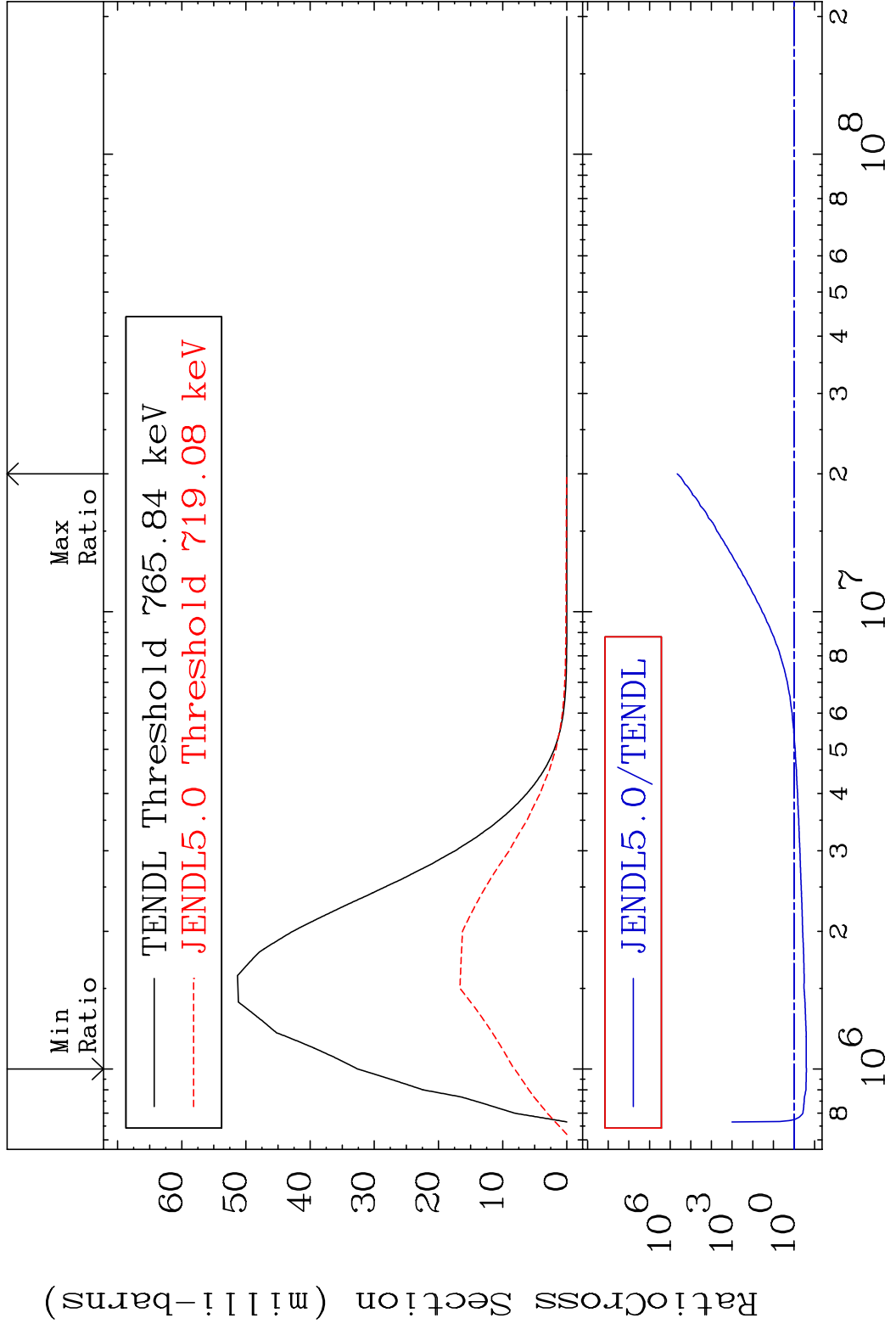


MAT 5253 MT= 61 (n, n') Level 52-Te-129m
 Cross Section -17.38 To 9999. %

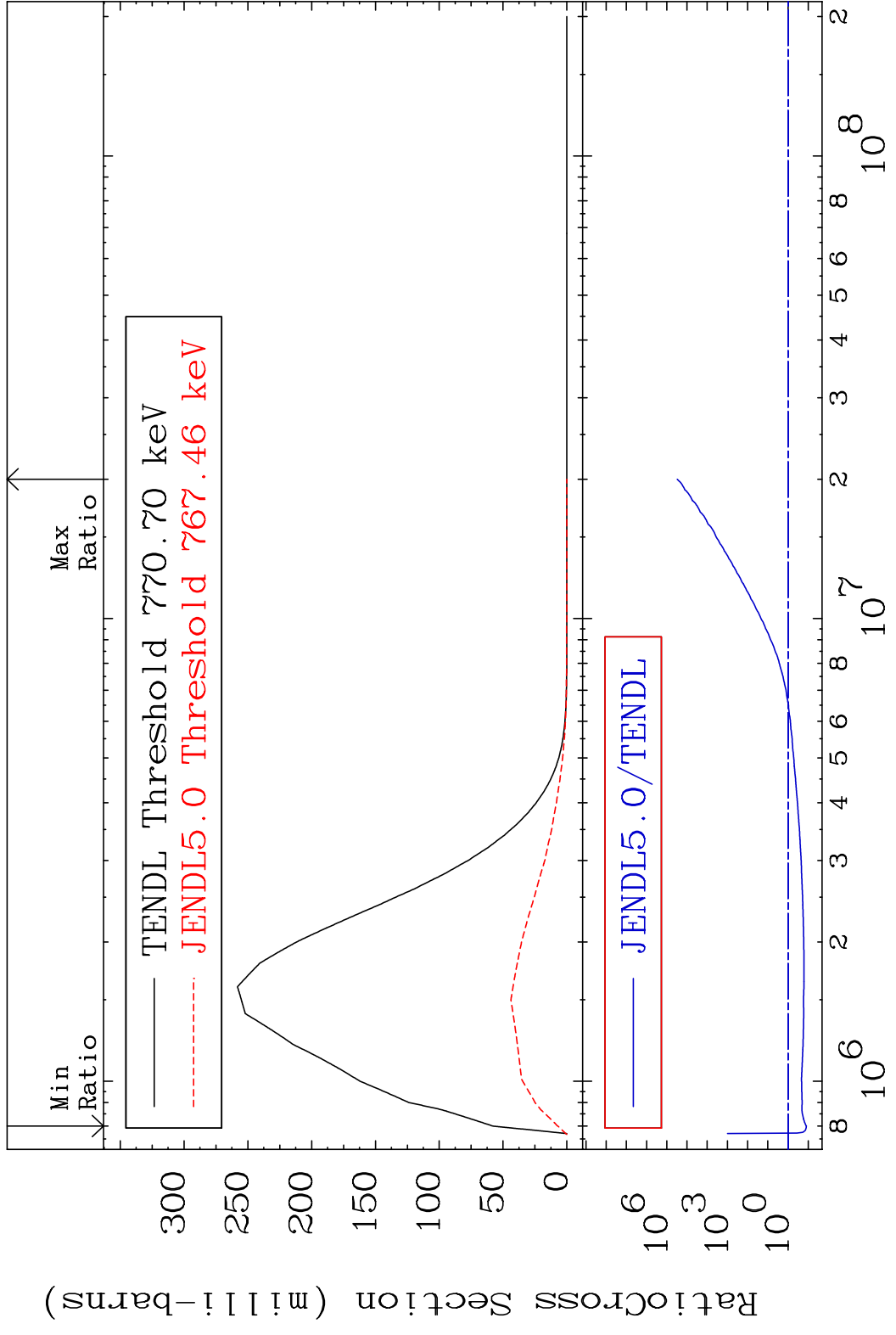


20 Incident Energy (eV) 52-Te-129m

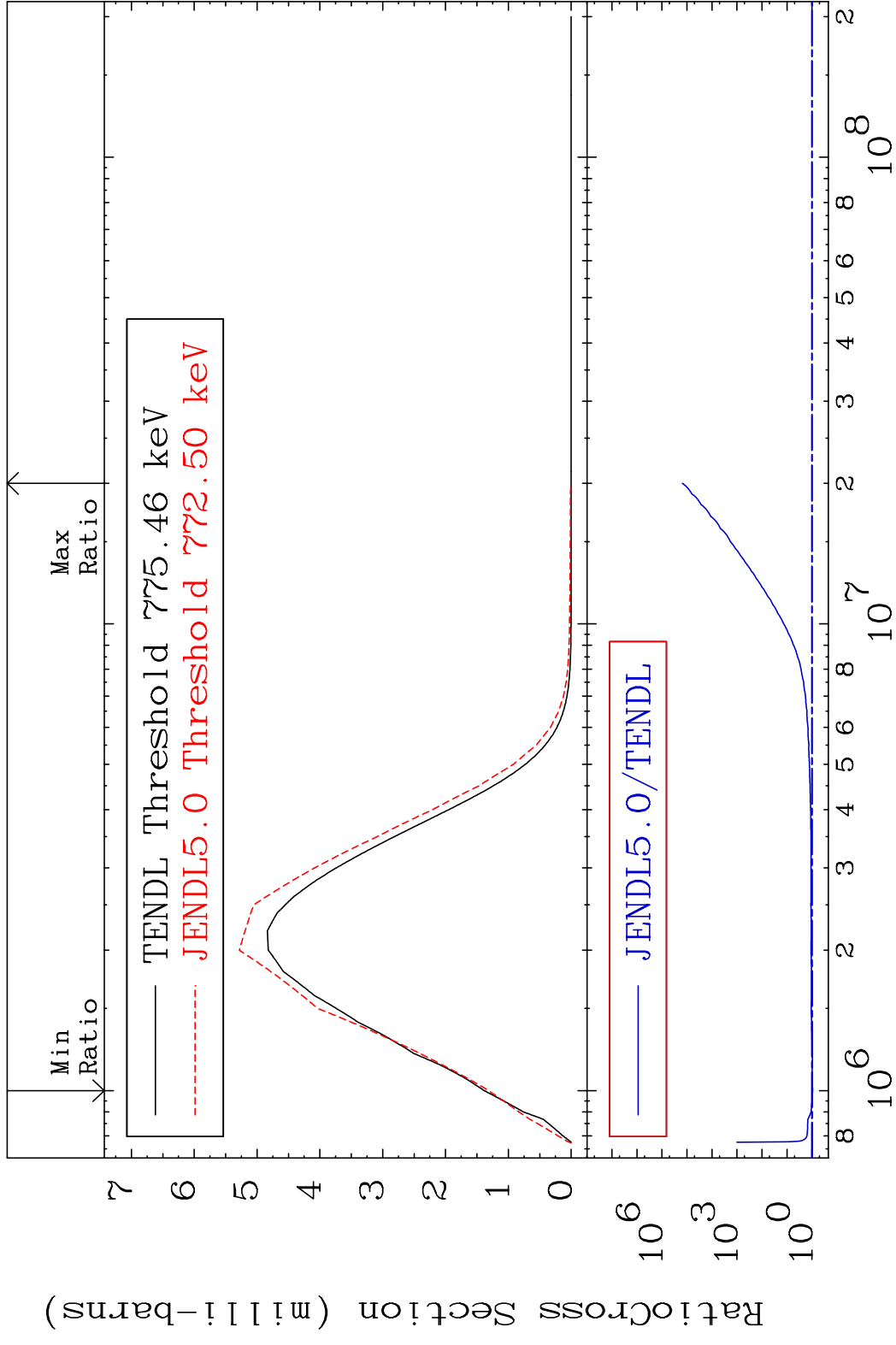
MAT 5253 MT= 62 (n, n') Level 52-Te-129m
 Cross Section -74.98 To 9999. %



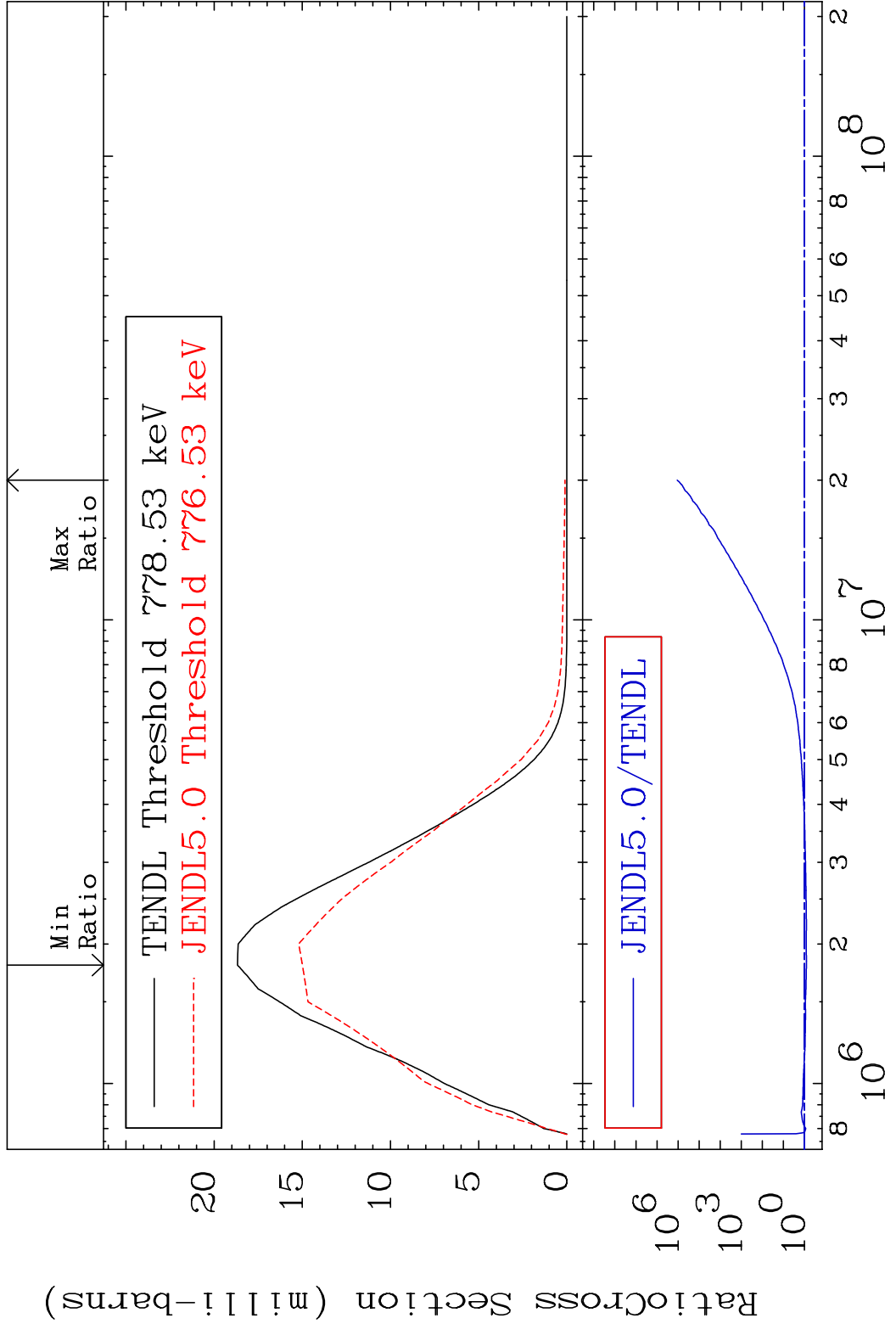
MAT 5253 MT= 63 (n, n') Level 52-Te-129m
 Cross Section -87.66 To 9999. %



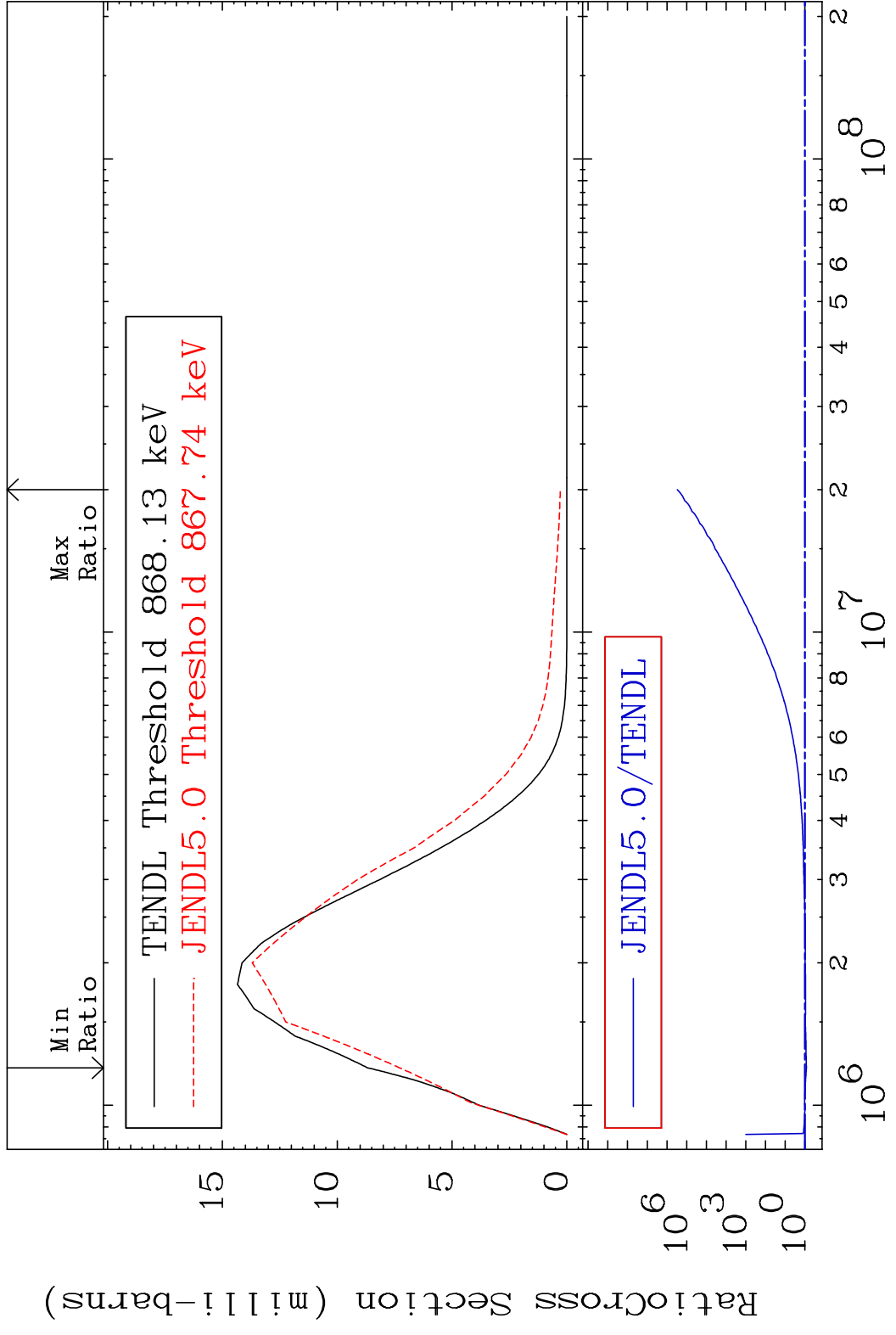
MAT 5253 MT= 64 (n, n') Level 52-Te-129m
 Cross Section -4.919 To 9999. %



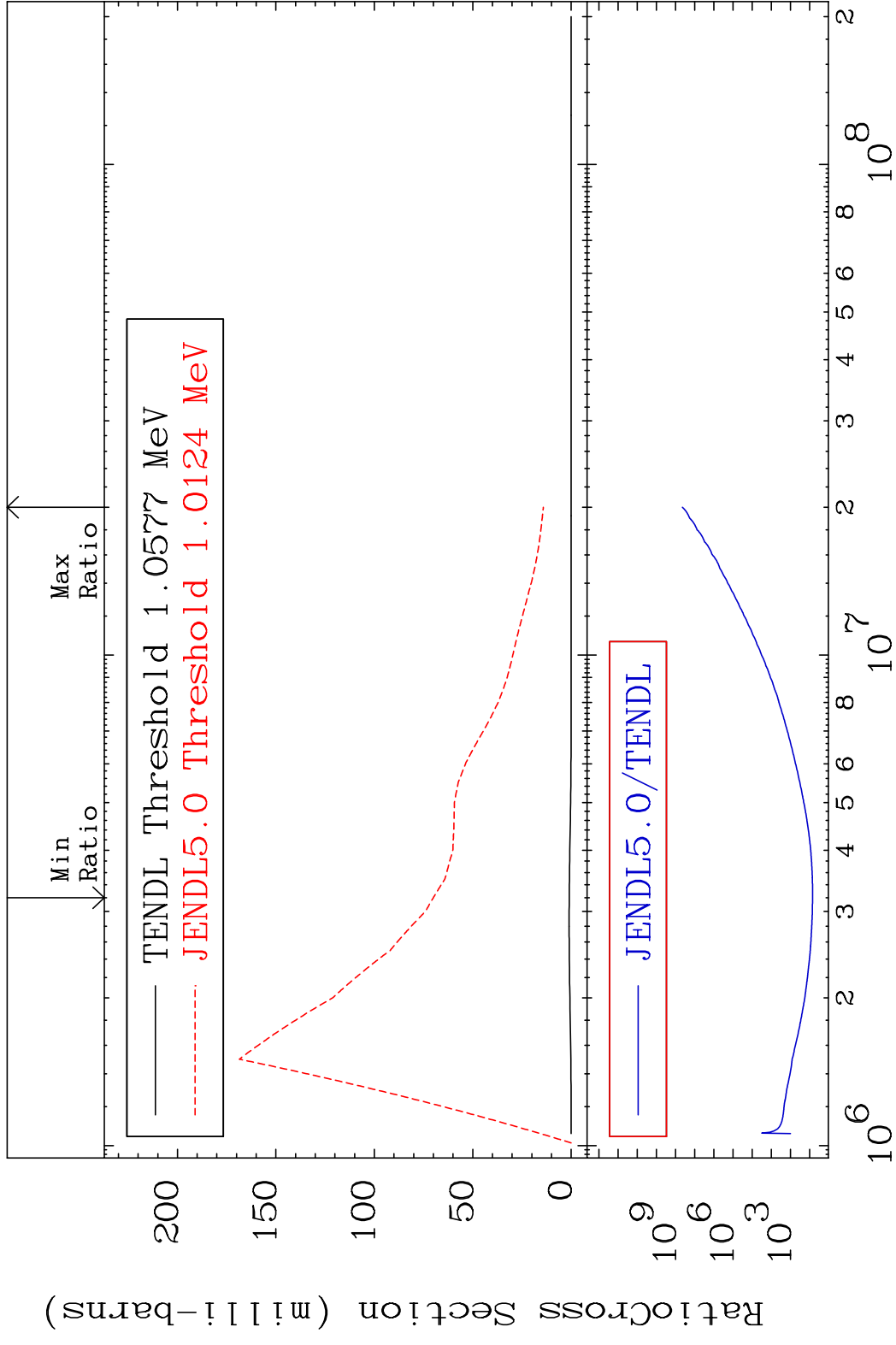
MAT 5253 MT= 65 (n, n') Level 52-Te-129m
 Cross Section -19.70 To 9999. %



MAT 5253 MT= 66 (n, n') Level 52-Te-129m
 Cross Section -16.15 To 9999. %



MAT 5253 MT= 67 (n, n') Level 52-Te-129m
 Cross Section 7010. To 9999. %



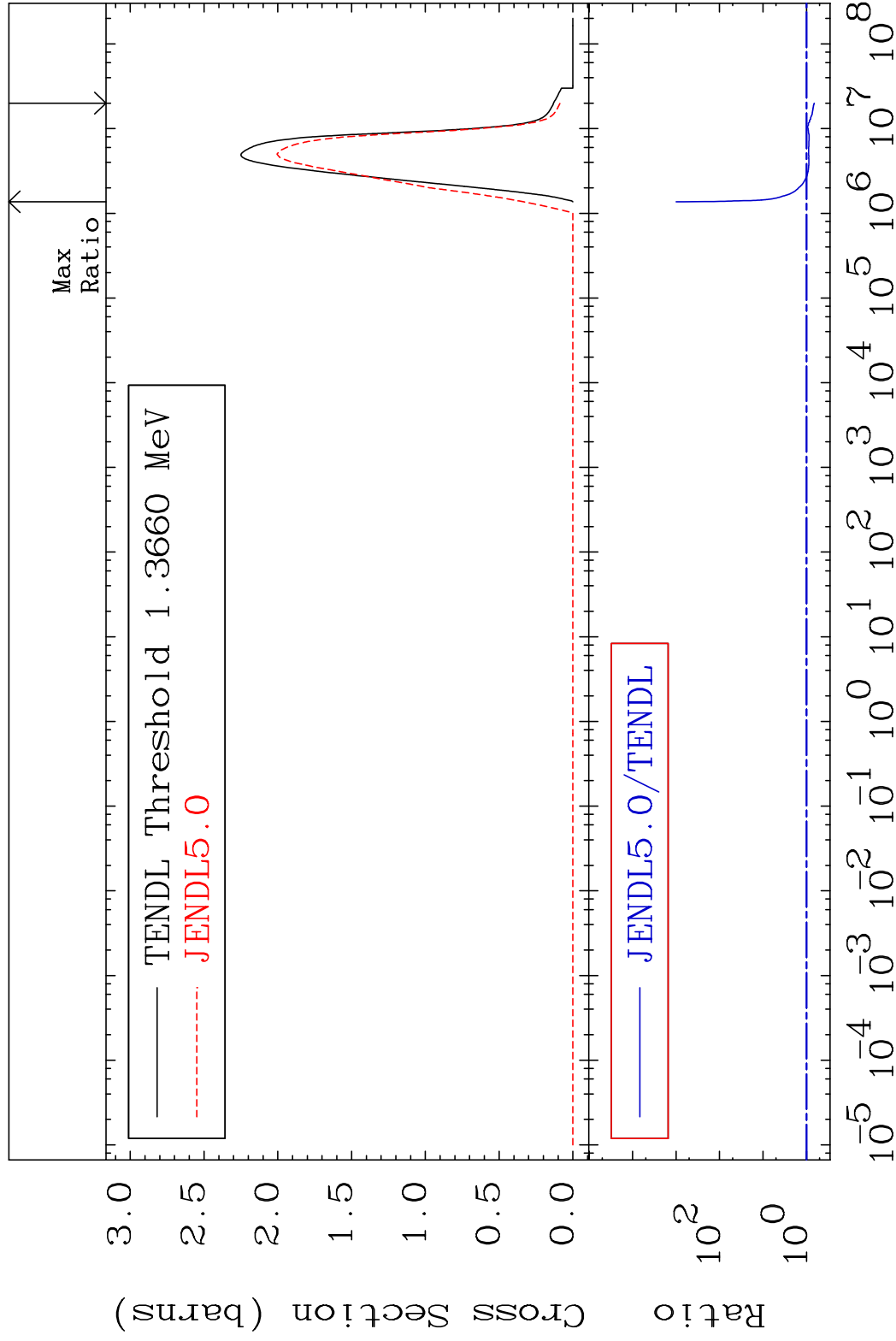
26 Incident Energy (eV) 52-Te-129m

MAT 5253

(n,n') Continuum

52-Te-129m

Cross Section -33.77 To 9999. %



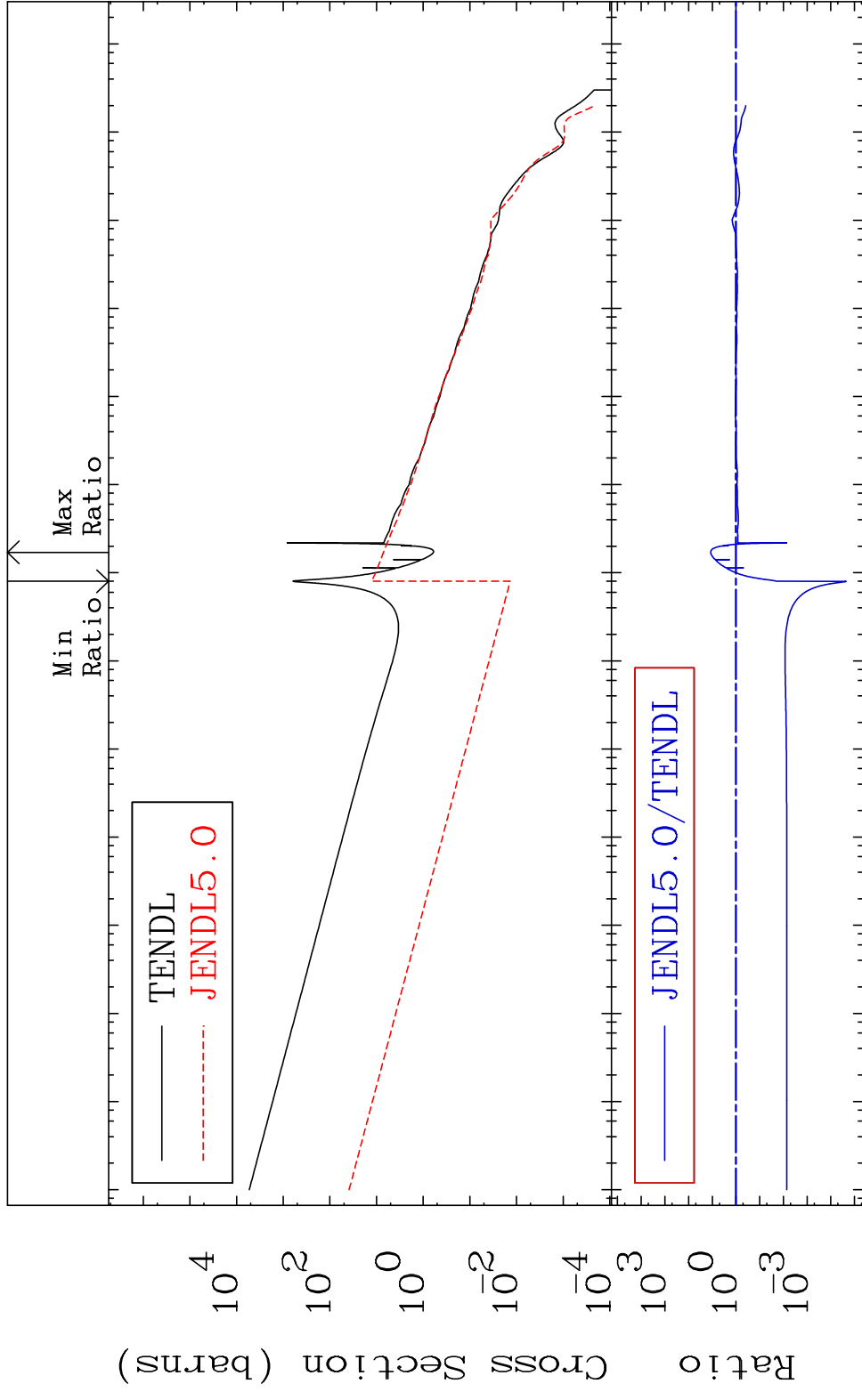
27

Incident Energy (eV)

52-Te-129m

MAT 5253

(n, γ)
Cross Section -100.0 To 1068. %
52-Te-129m



28

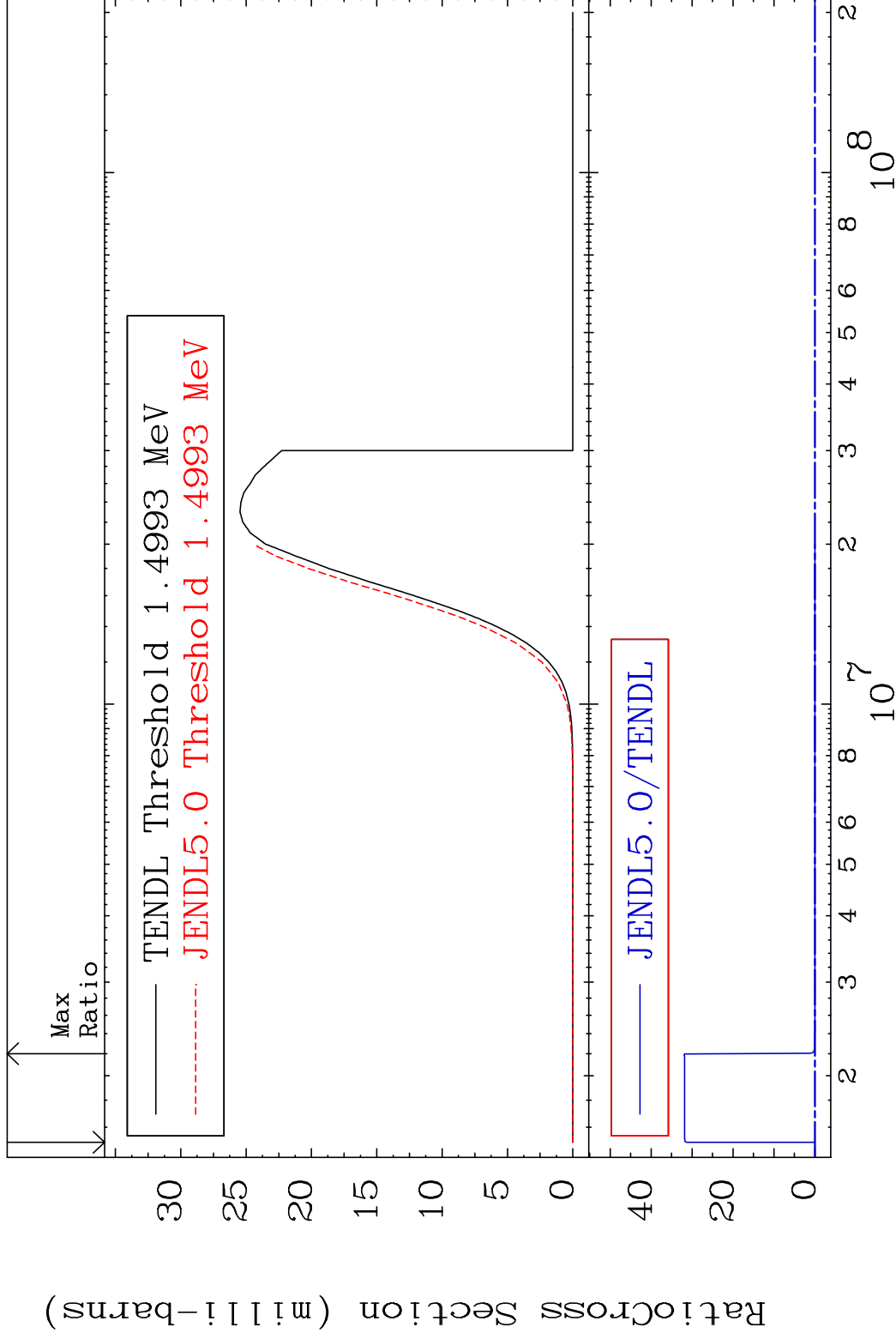
Incident Energy (eV) 52-Te-129m

MAT 5253

(n, p)

52-Te-129m

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

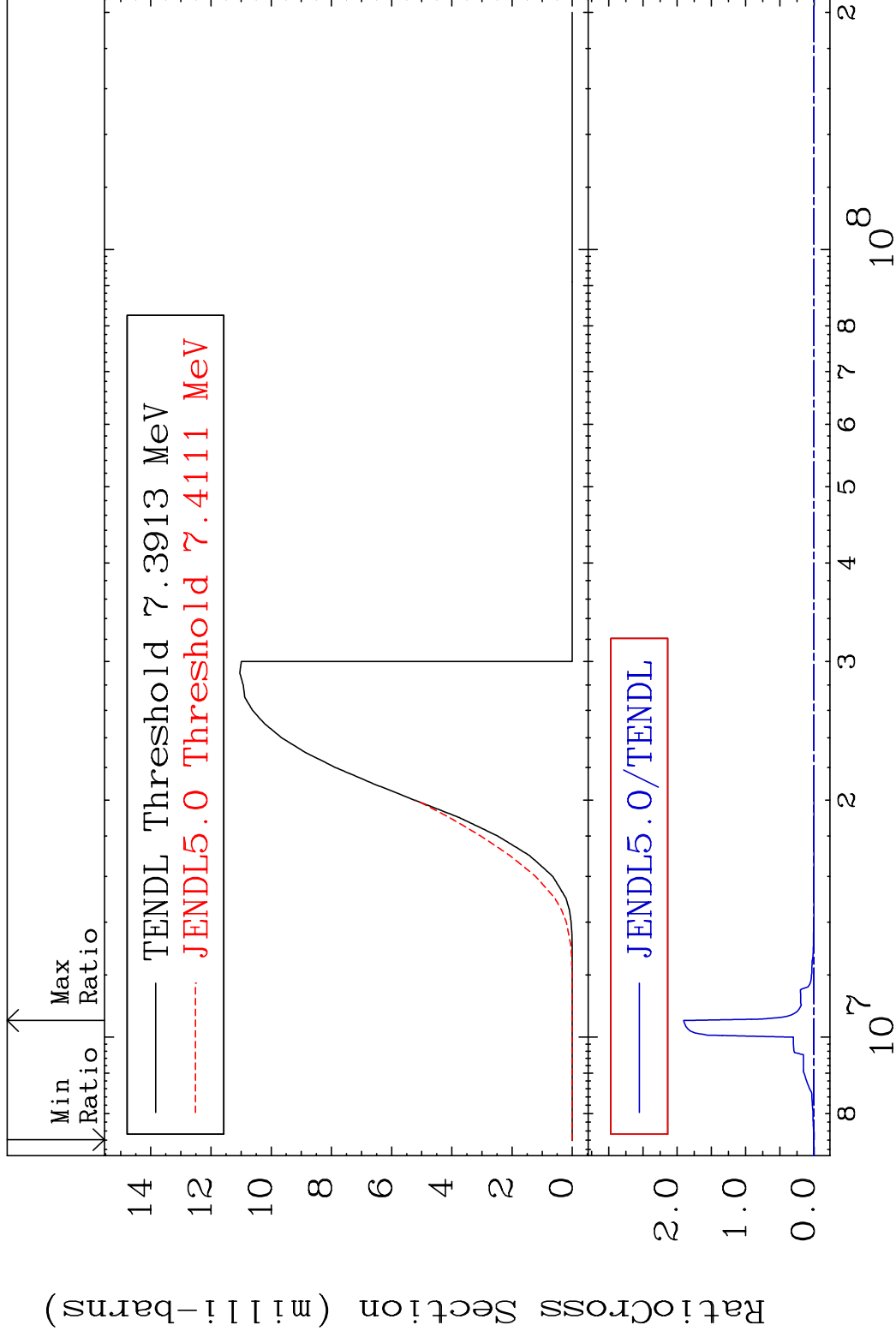
52-Te-129m

MAT 5253

(n,d)

52-Te-129m

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

52-Te-129m

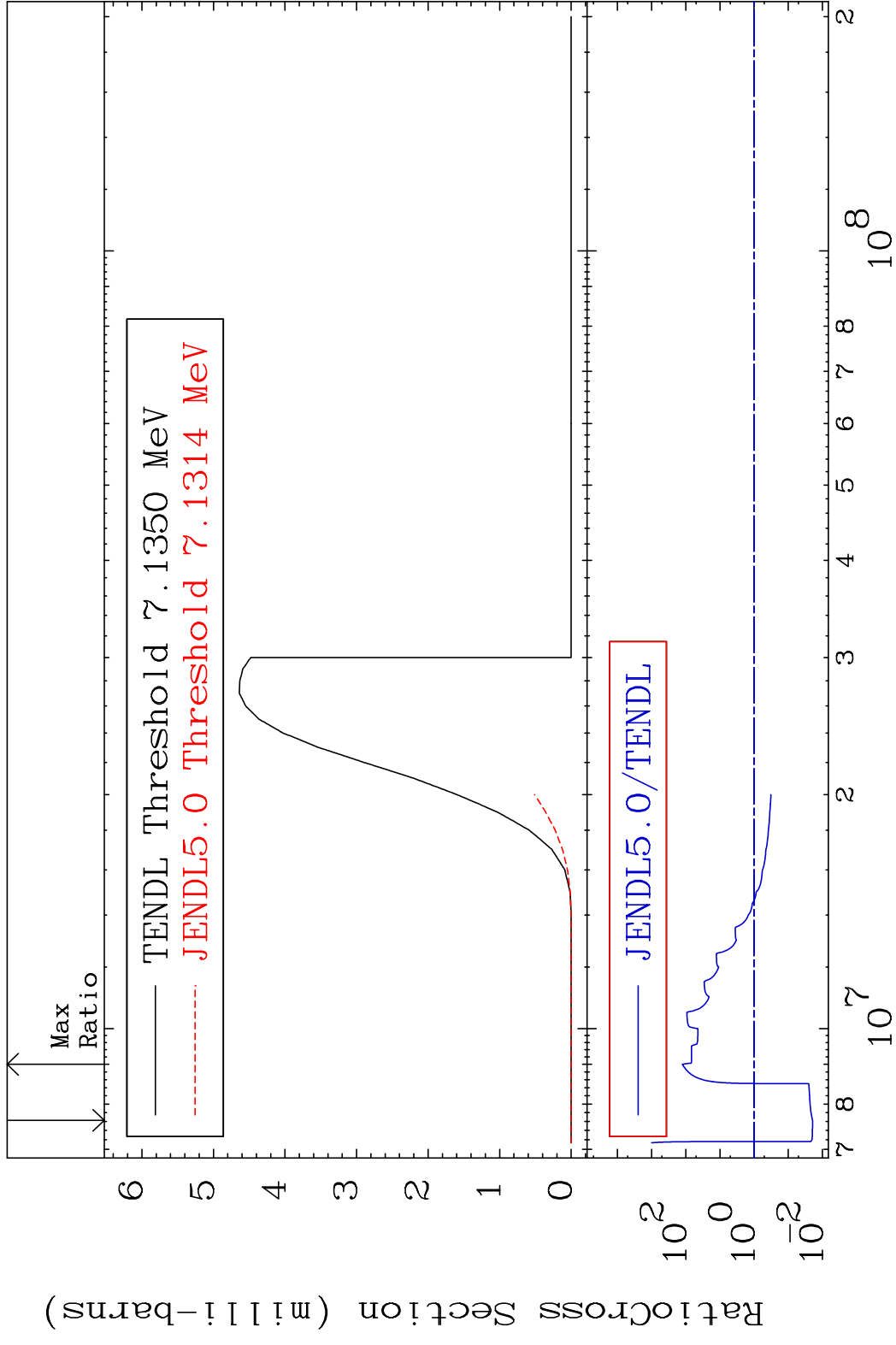
MAT 5253

(n, t)

52-Te-129m

Cross Section

-98.06 To 9999. %

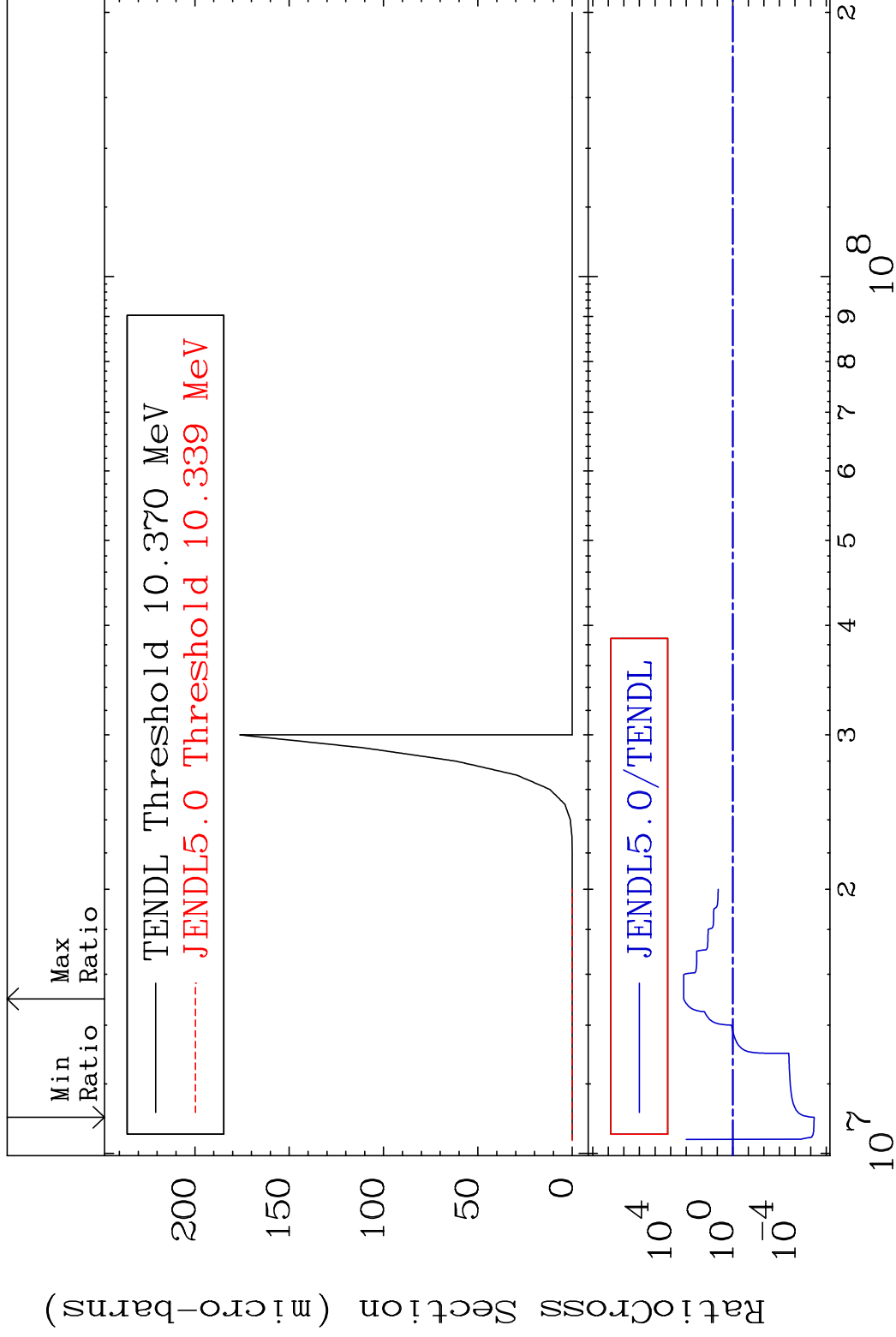


MAT 5253

(n, He-3)

52-Te-129m

Cross Section -100.0 To 9999. %



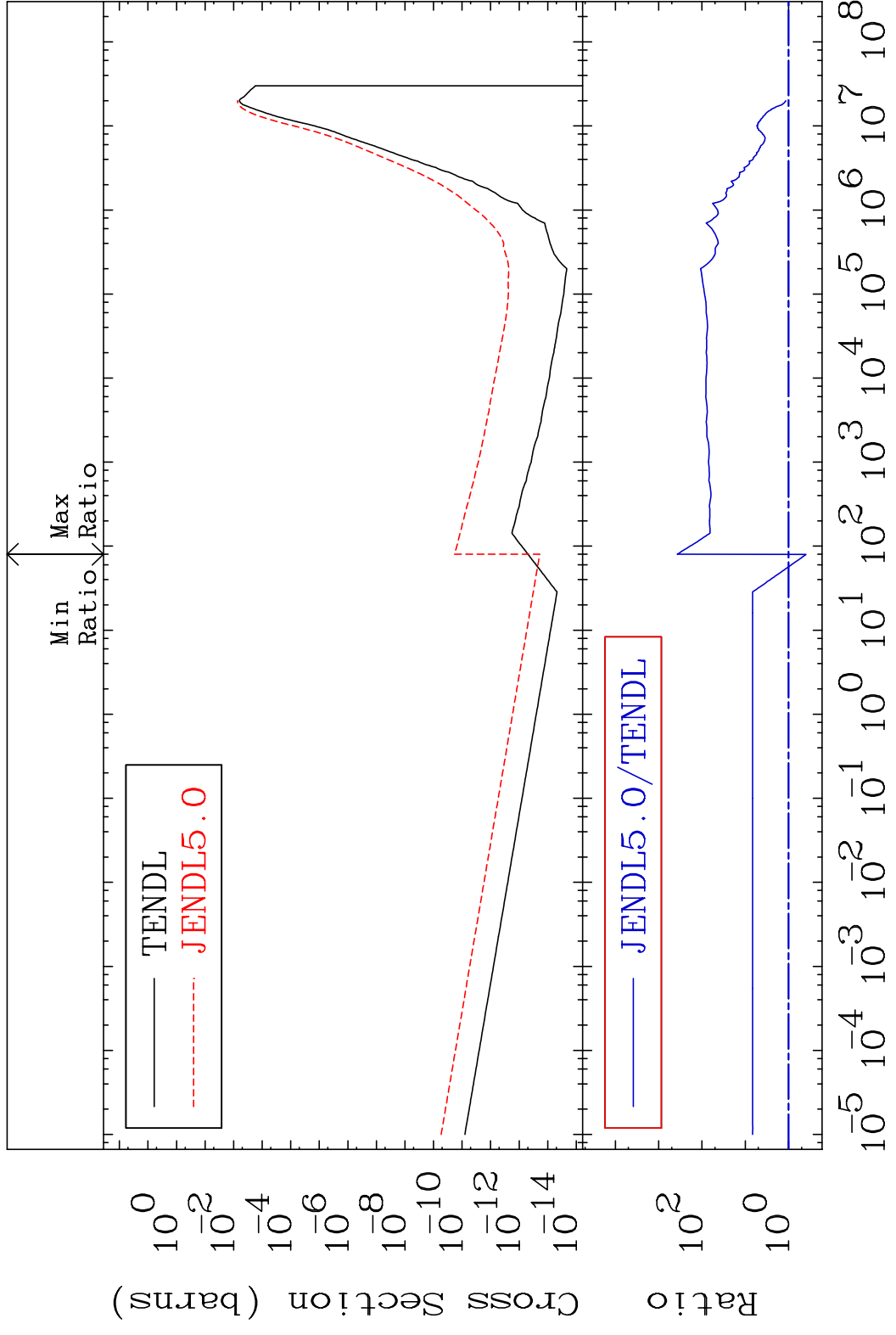
32

Incident Energy (eV)

52-Te-129m

MAT 5253

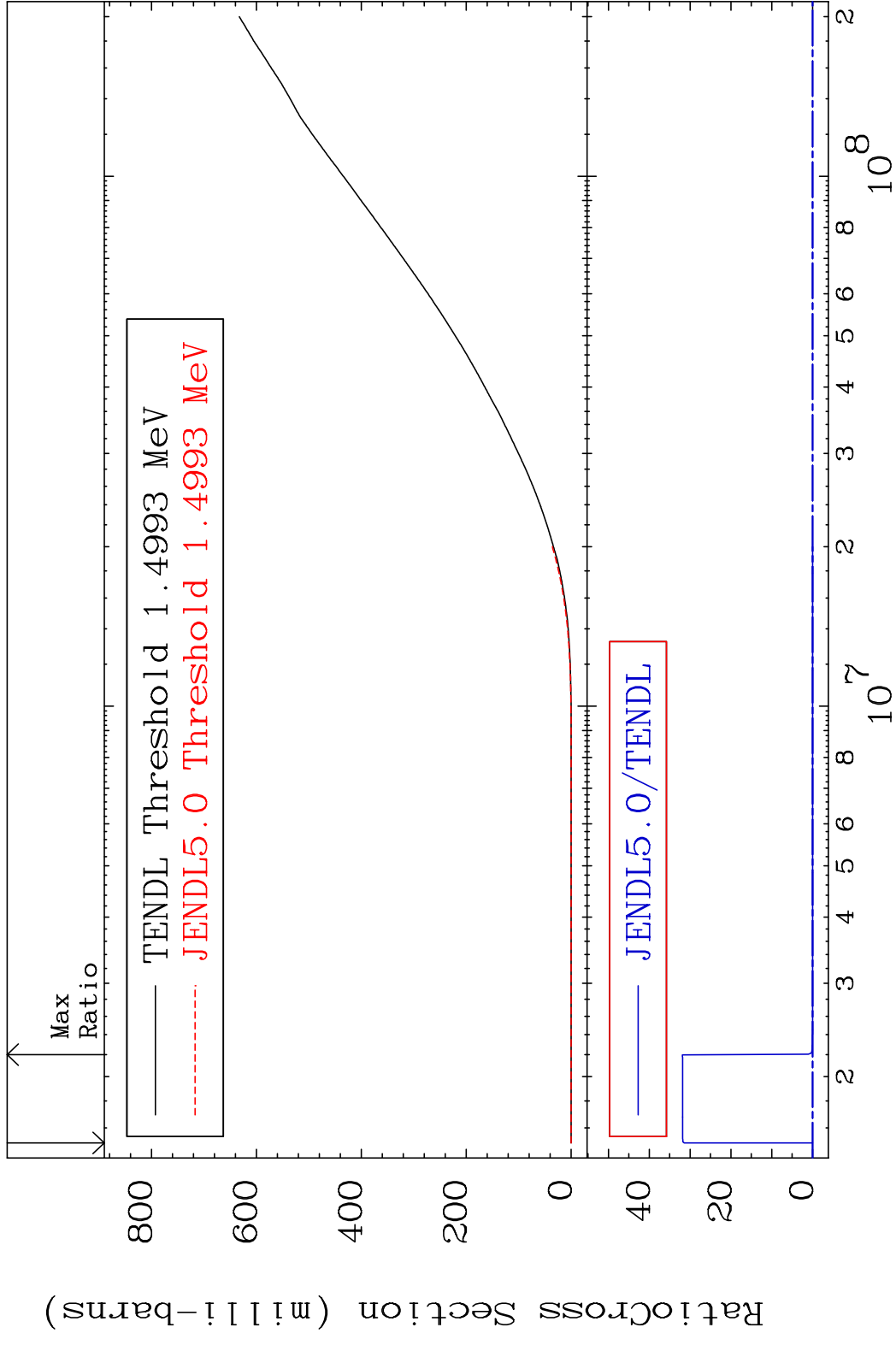
(n, α)
Cross Section -61.22 To 9999. %
52-Te-129m



33

Incident Energy (eV) 52-Te-129m

MAT 5253 Hydrogen Production 52-Te-129m
 Cross Section -100.0 To 9999. %

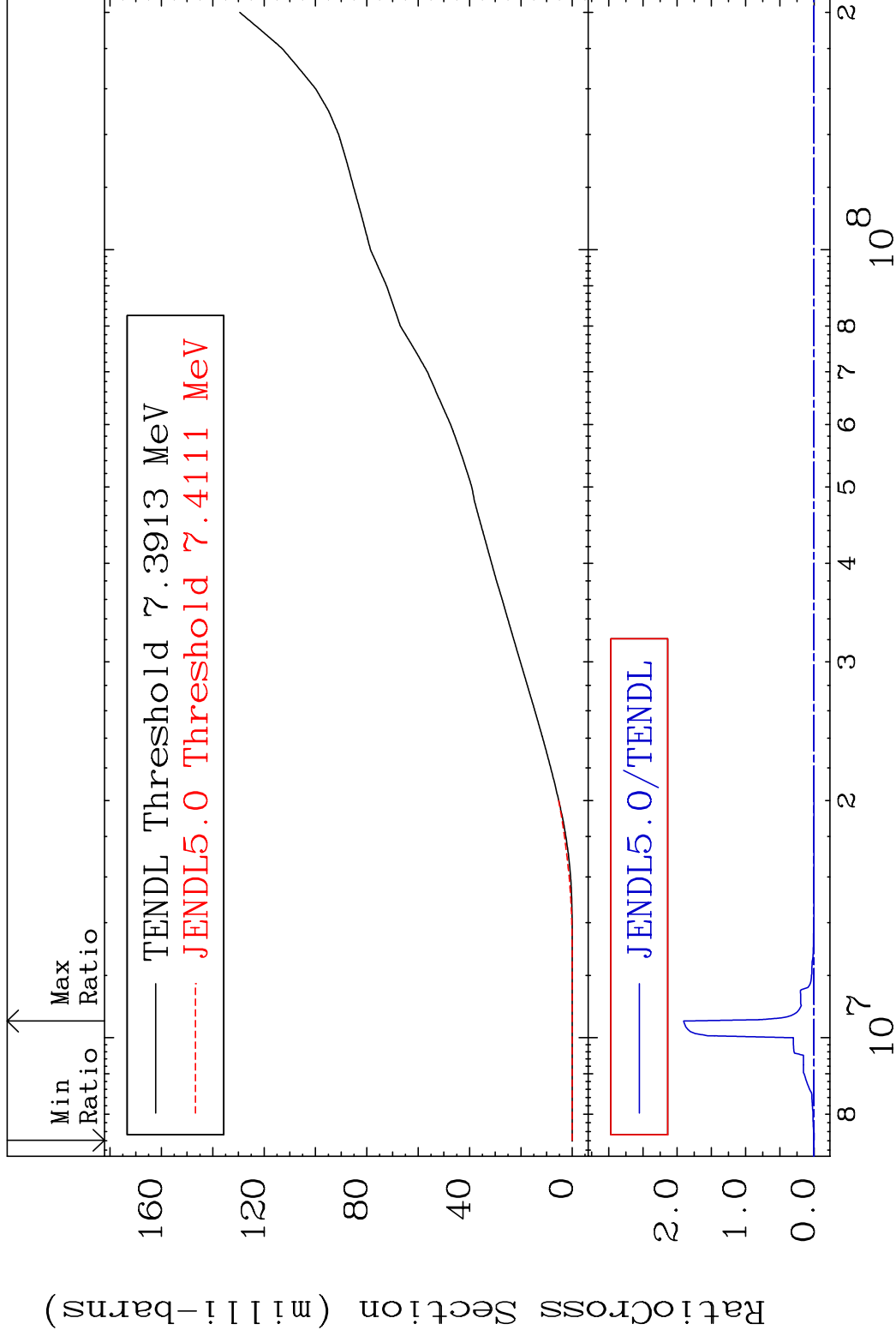


MAT 5253

Deuterium Production

52-Te-129m

Cross Section -100.0 To 9999. %



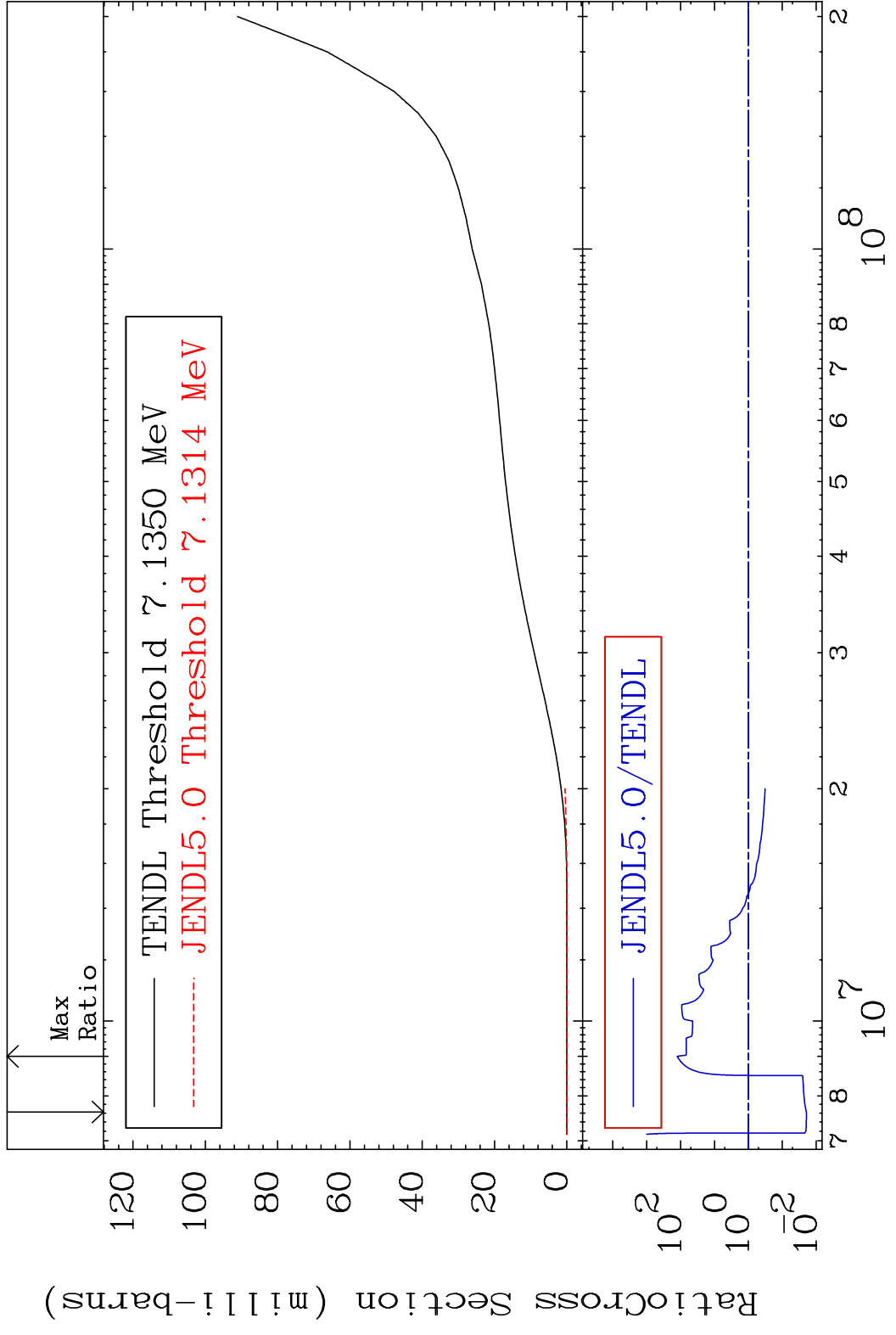
35

Incident Energy (eV)

52-Te-129m

MAT 5253

Tritium Production 52-Te-129m
Cross Section -98.06 To 9999. %

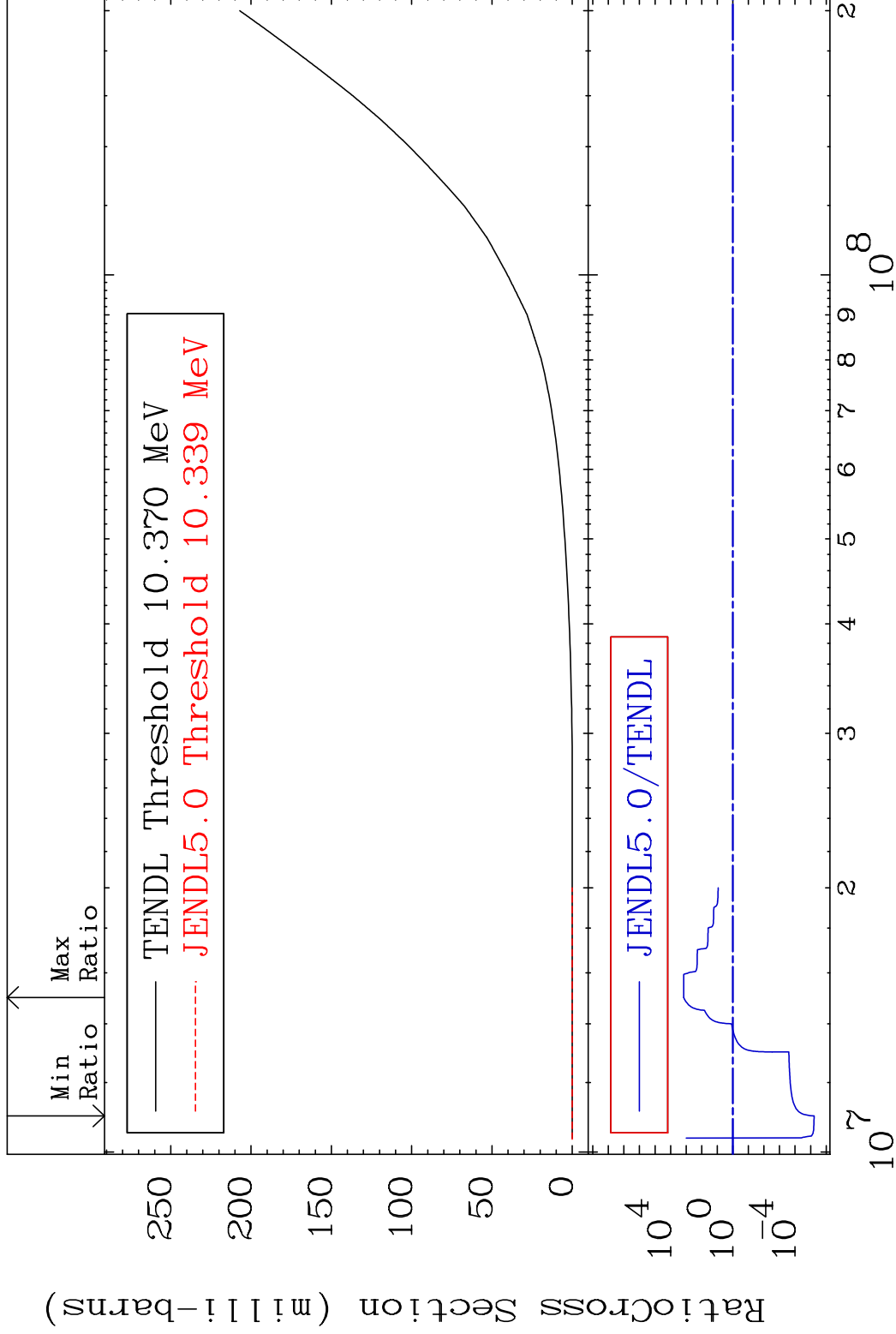


MAT 5253

He-3 Production

52-Te-129m

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

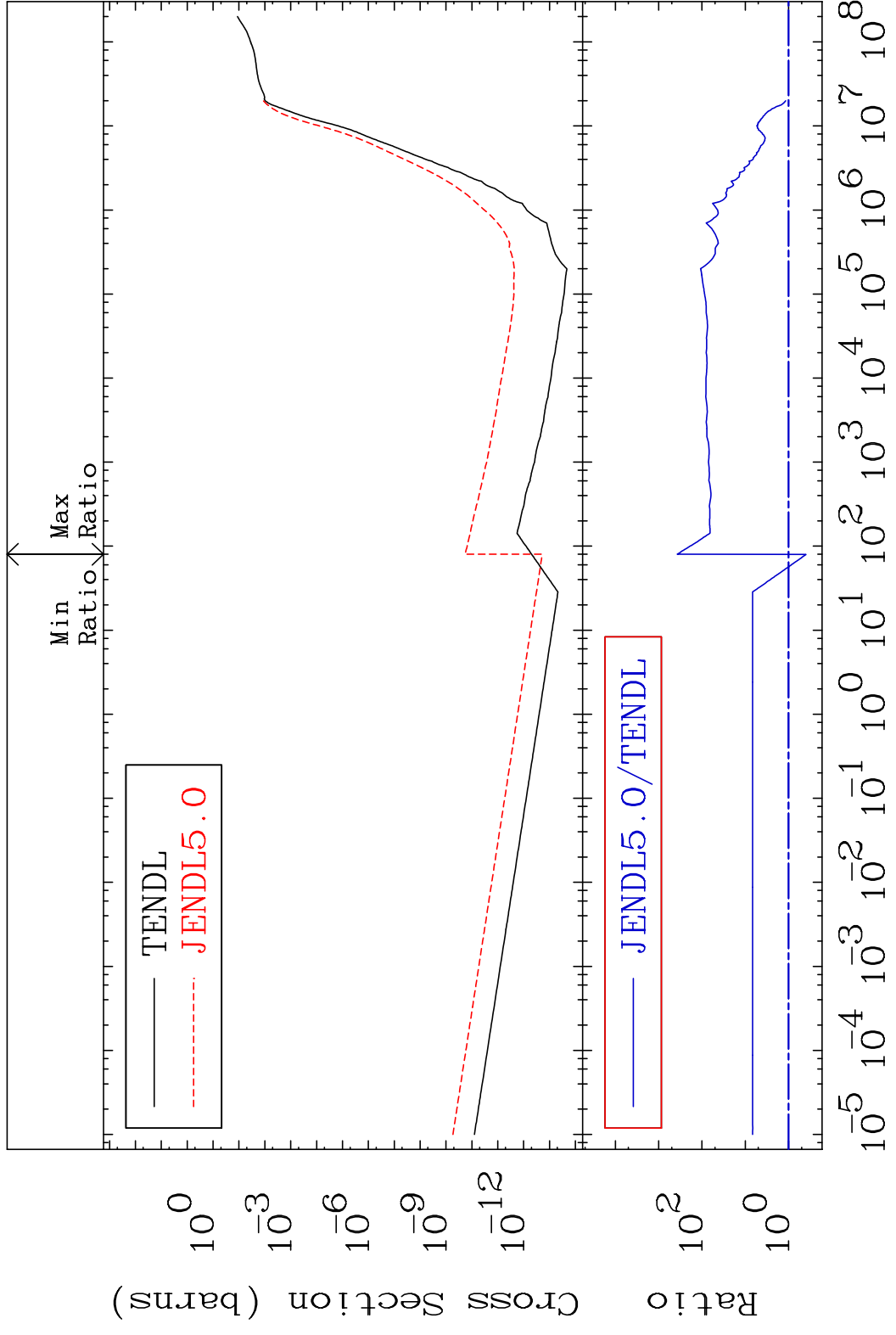
52-Te-129m

MAT 5253

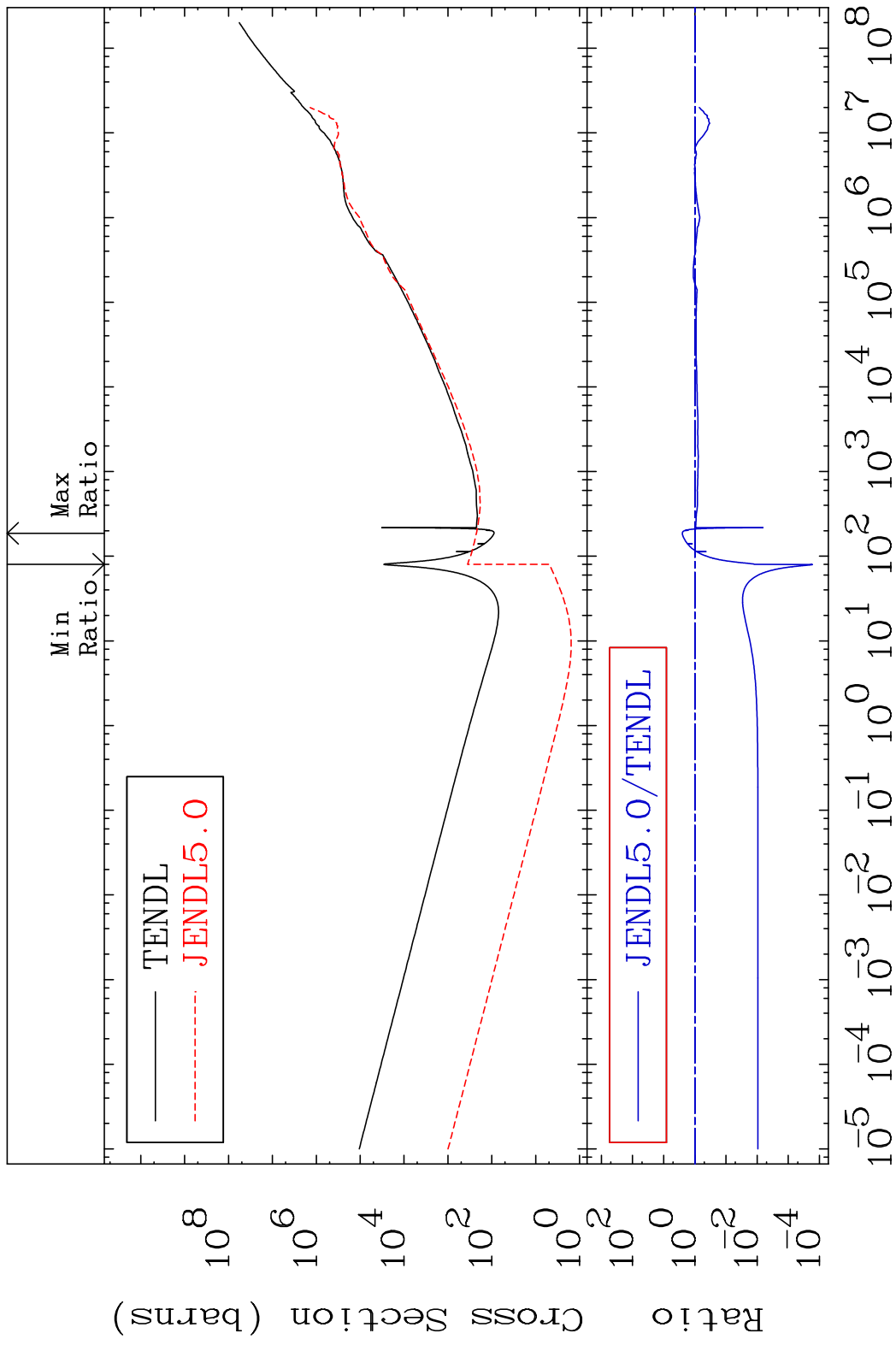
He-4 Production

52-Te-129m

Cross Section -61.22 To 9999. %



MAT 5253 Kerma total (eV-barns) 52-Te-129m
 Cross Section -99.98 To 152.0 %



39 Incident Energy (eV) 52-Te-129m

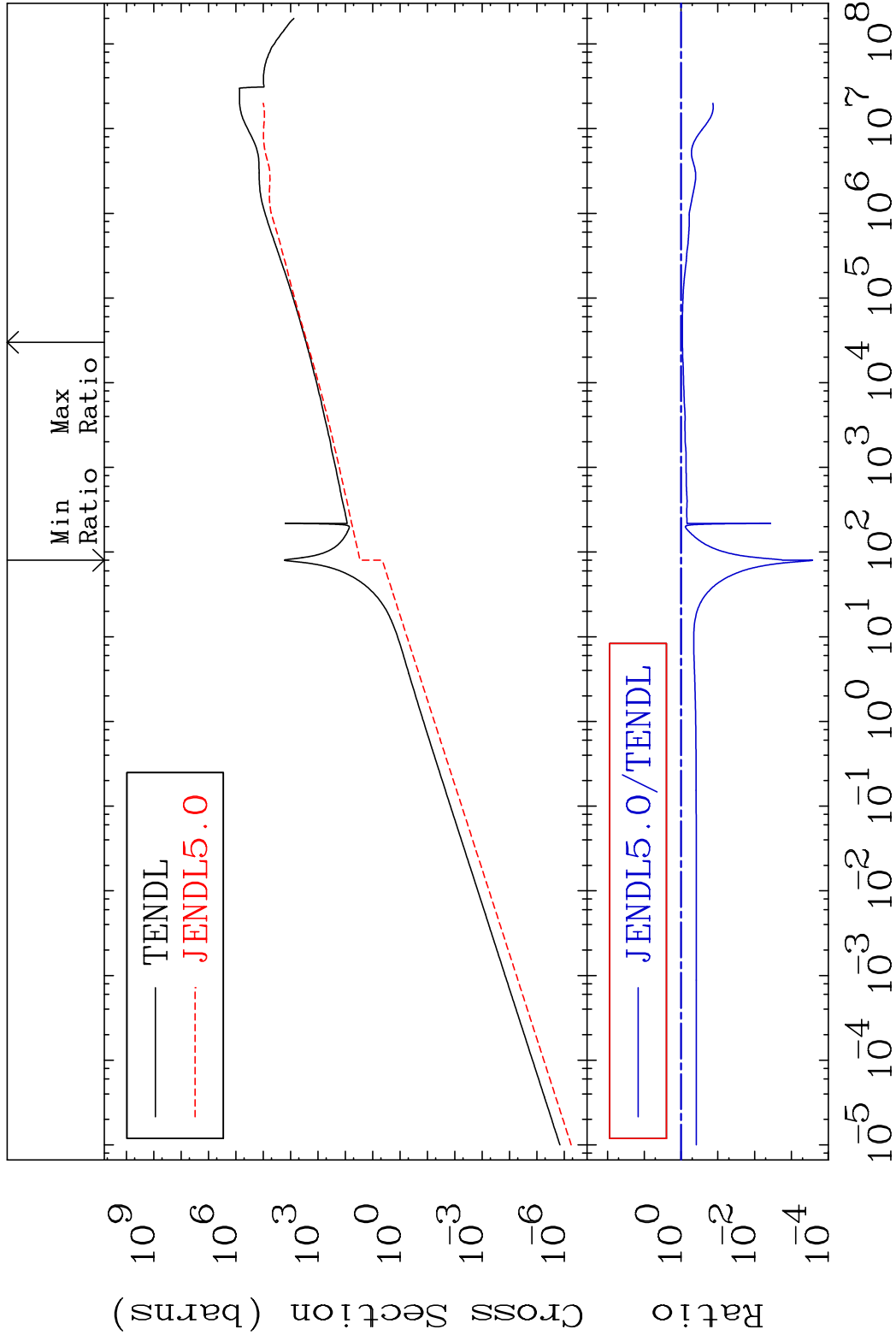
MAT 5253

Kerma elastic

52-Te-129m

Cross Section

-99.97 To -7.869%

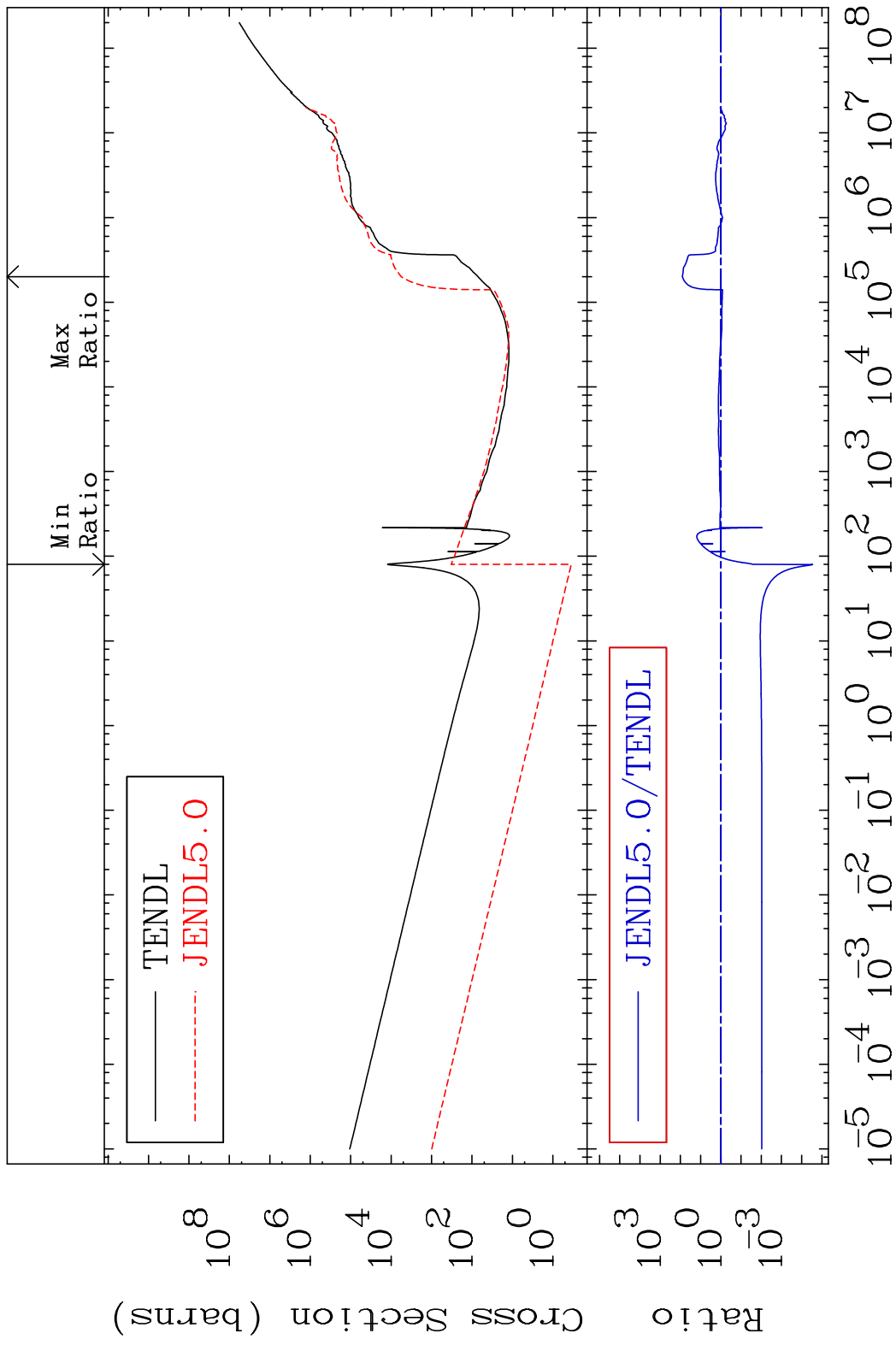


40

Incident Energy (eV)

52-Te-129m

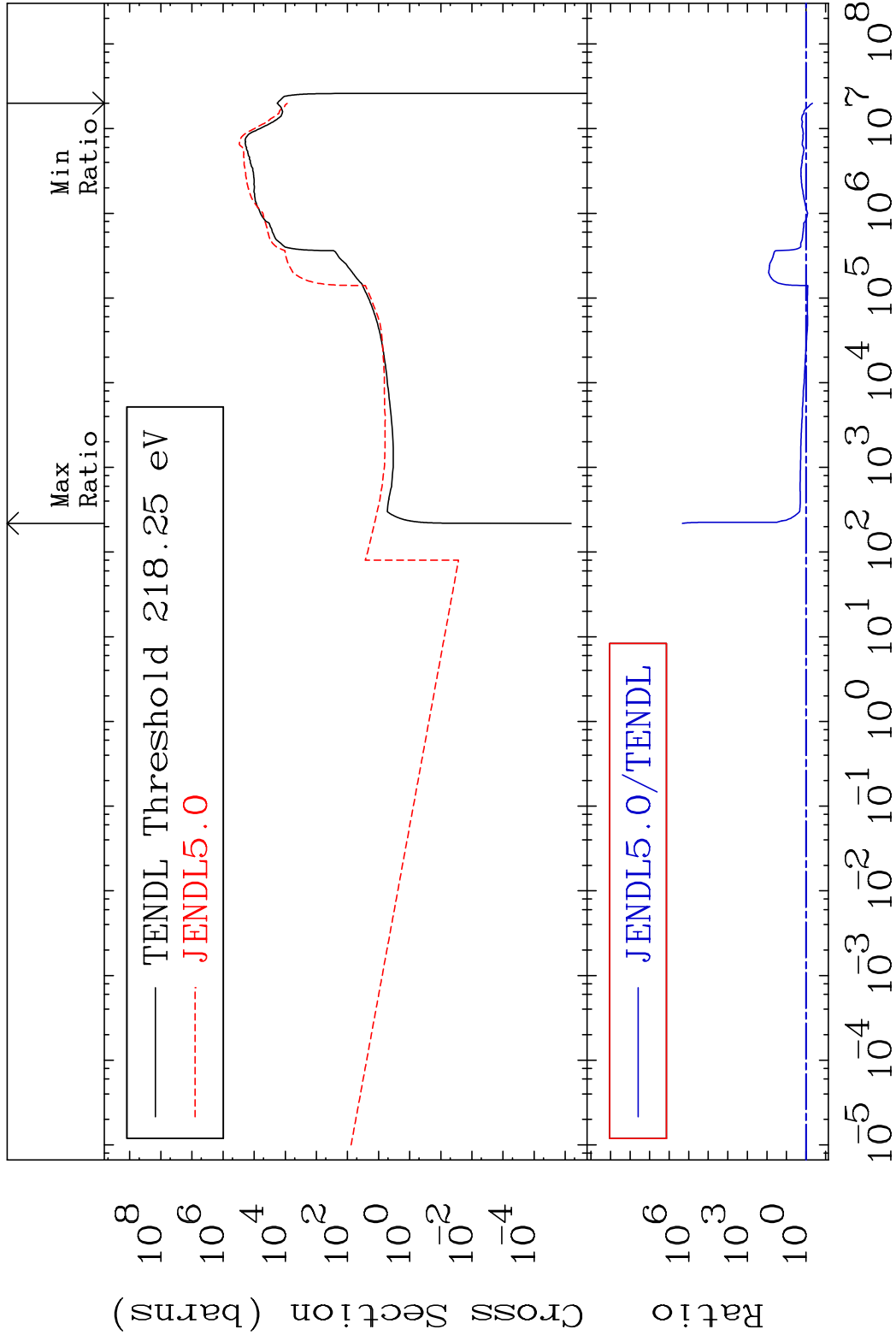
MAT 5253 Kerma non-elastic (all but mt2) 52-Te-129m
 Cross Section -100.0 To 7909. %



MAT 5253

Kerma inelastic (mt51-91) 52-Te-129m

Cross Section -53.91 To 9999. %

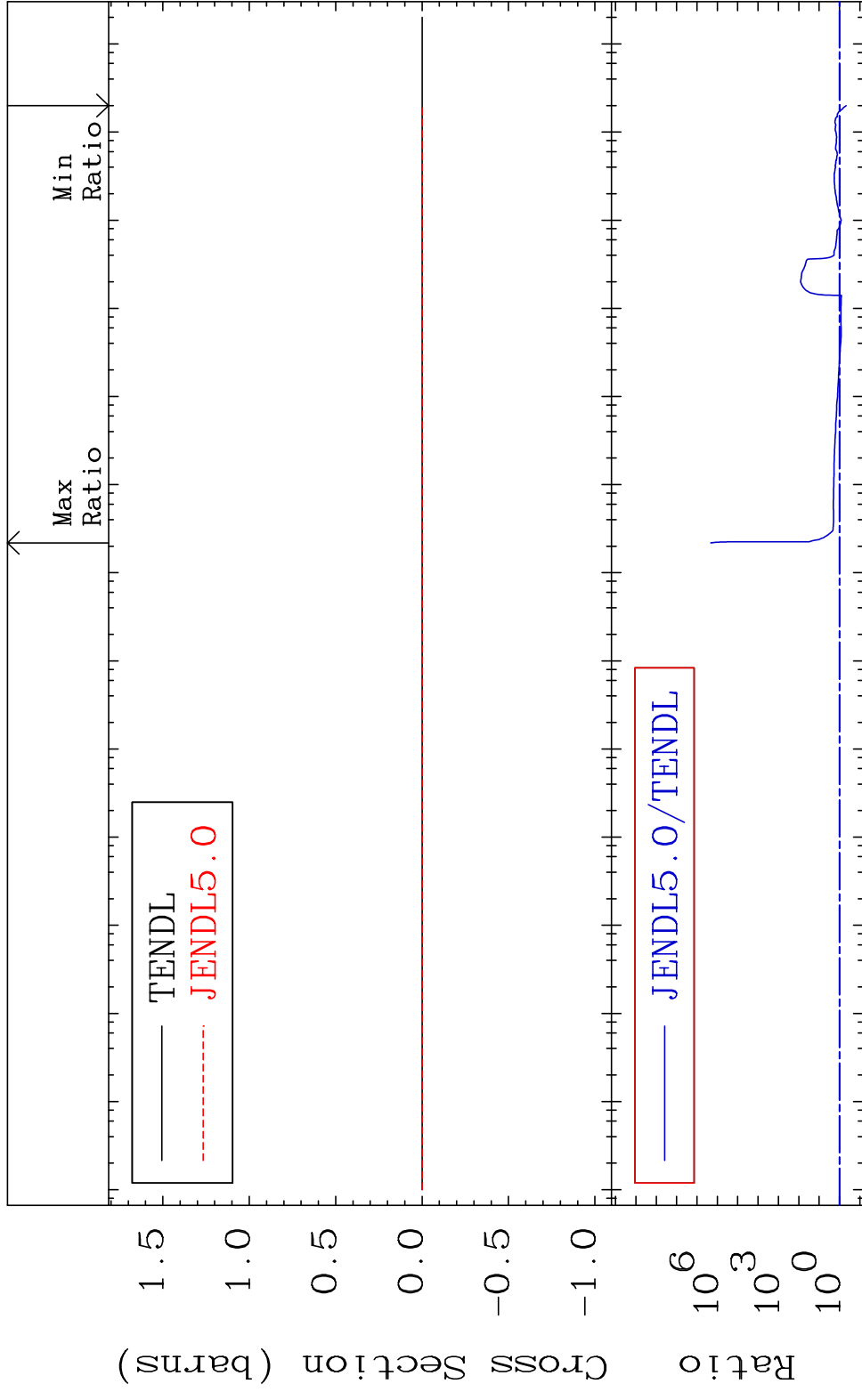


42

Incident Energy (eV)

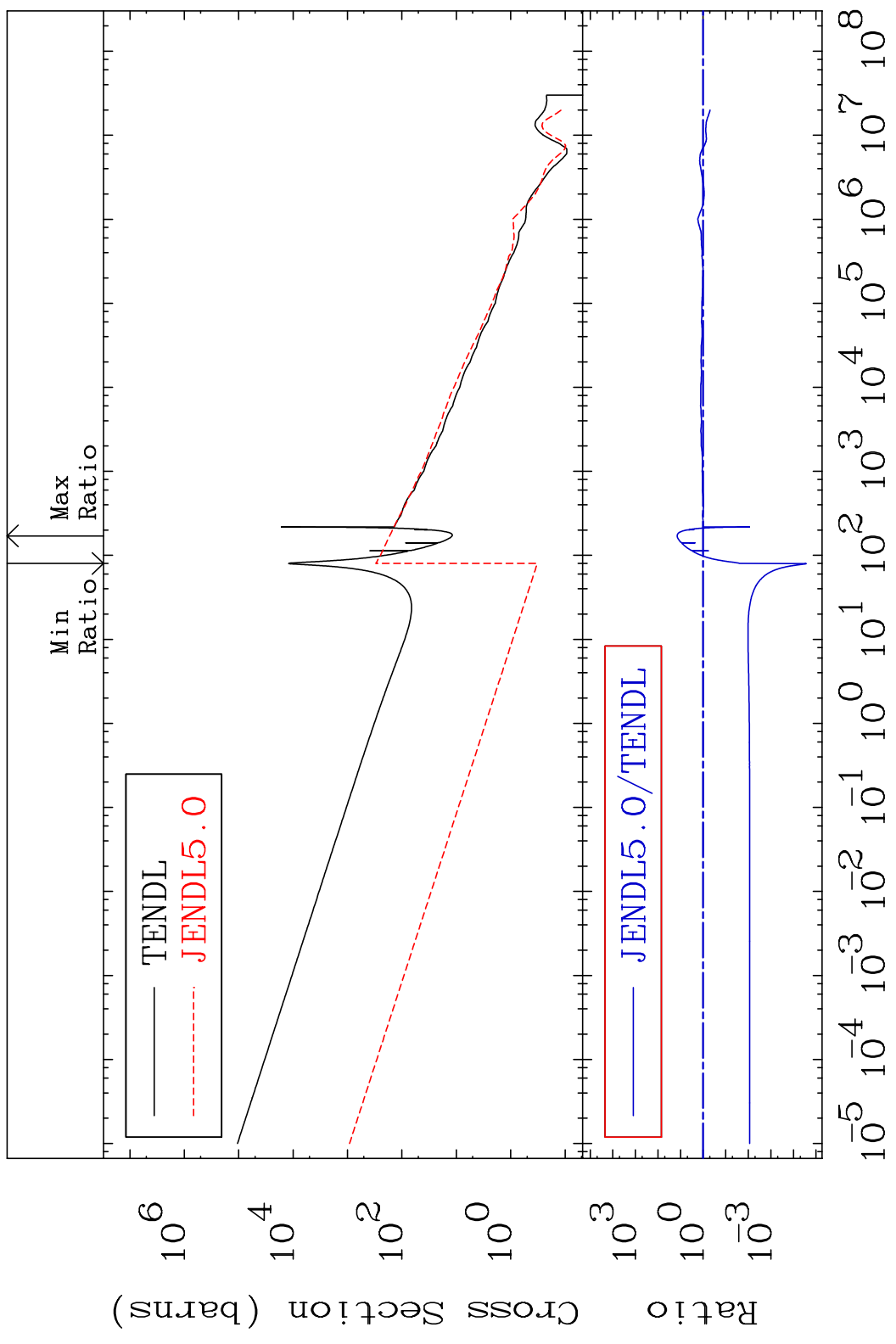
52-Te-129m

MAT 5253 Kerma fission (mt18 or mt19-20-21-35) - Te-129m
 Cross Section -53.91 To 9999. %

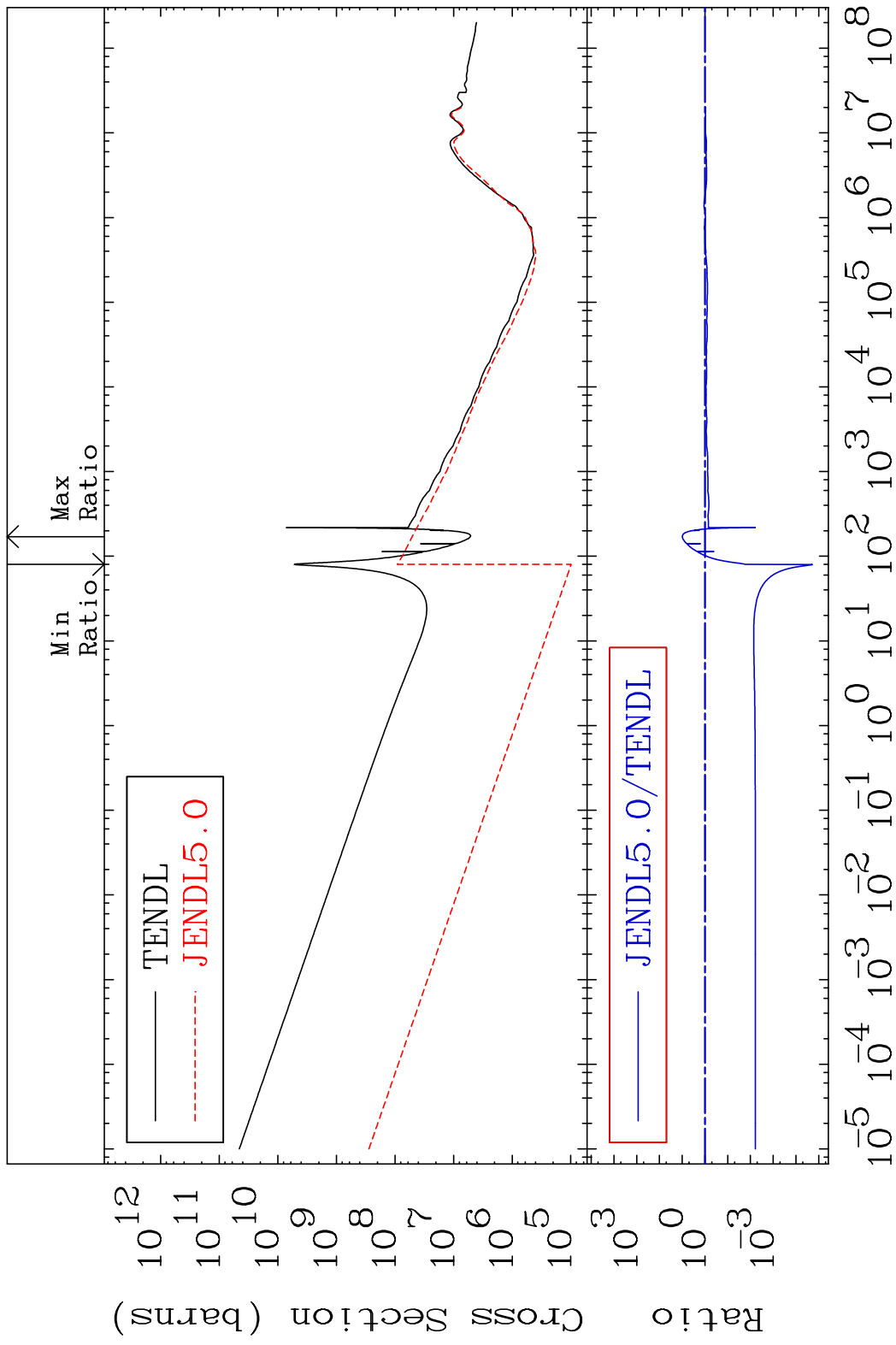


MAT 5253

Kerma capture (mt102) 52-Te-129m
Cross Section -100.0 To 1308. %

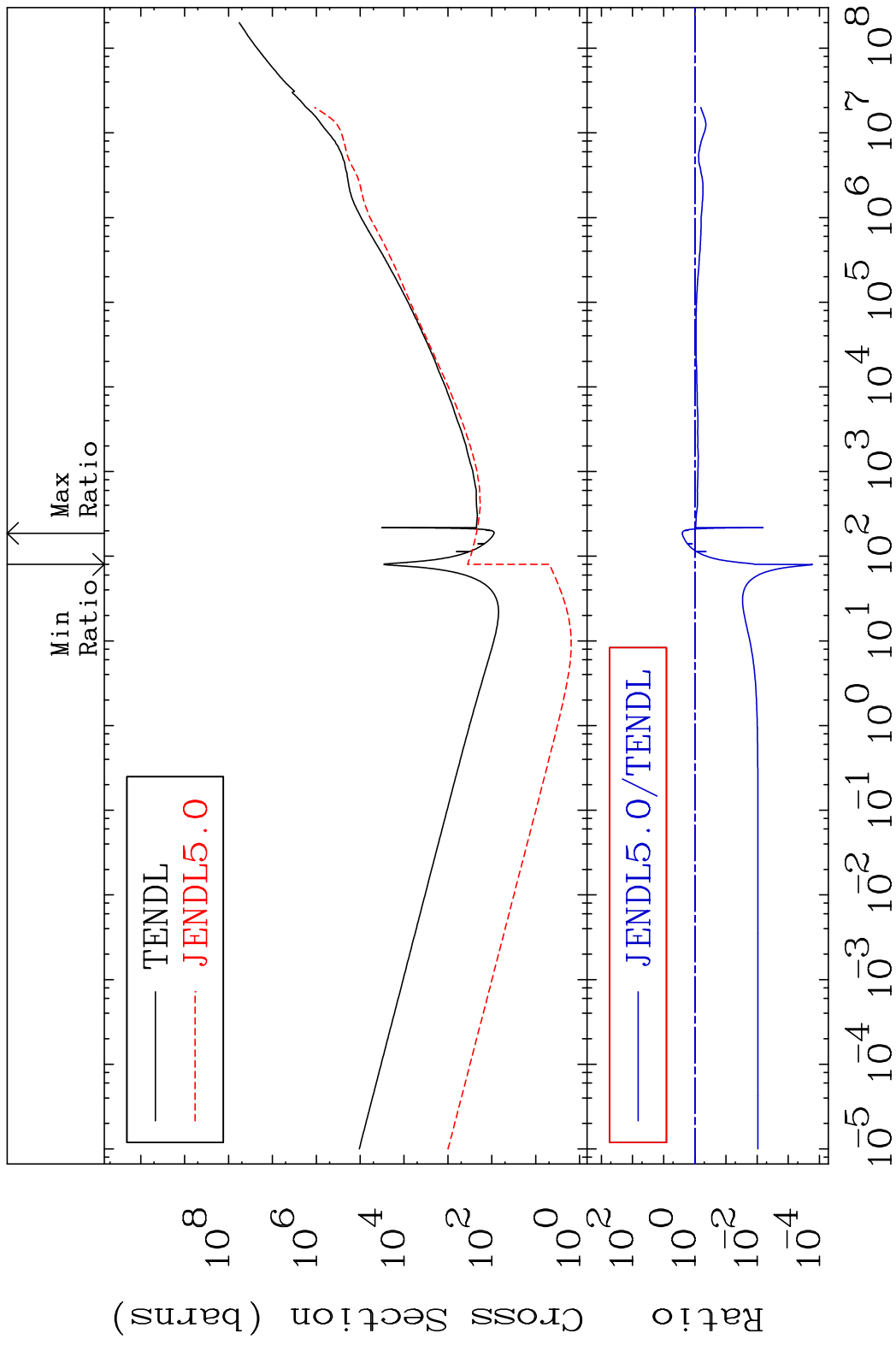


MAT 5253 Total photon (eV-barns) 52-Te-129m
 Cross Section -100.0 To 883.7 %

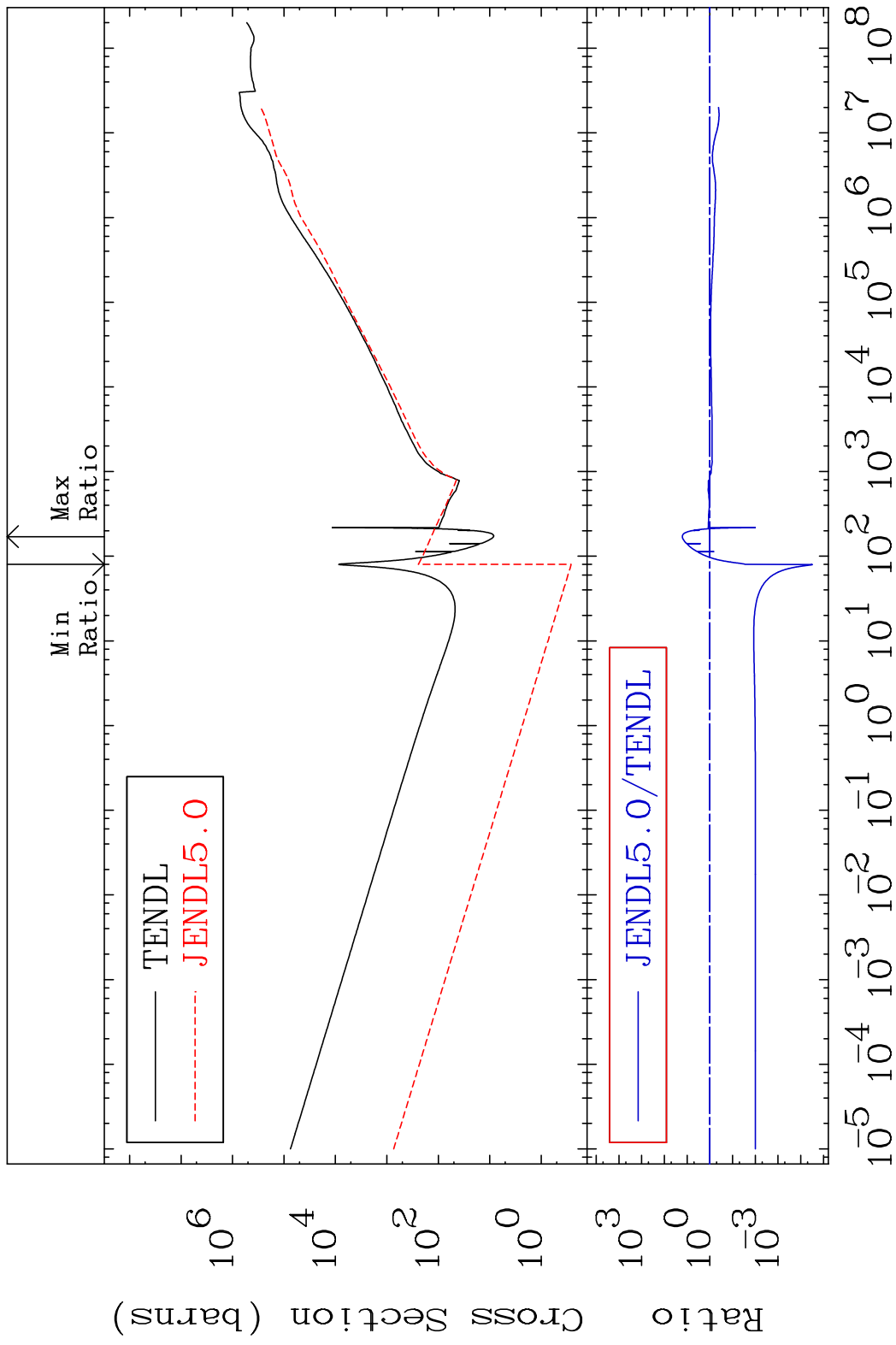


45 Incident Energy (eV) 52-Te-129m

MAT 5253 Total kinematic kerma (high limit)52-Te-129m
 Cross Section -99.98 To 152.0 %



MAT 5253 Dpa total (eV-barns) 52-Te-129m
 Cross Section -100.0 To 1520. %



47 Incident Energy (eV) 52-Te-129m

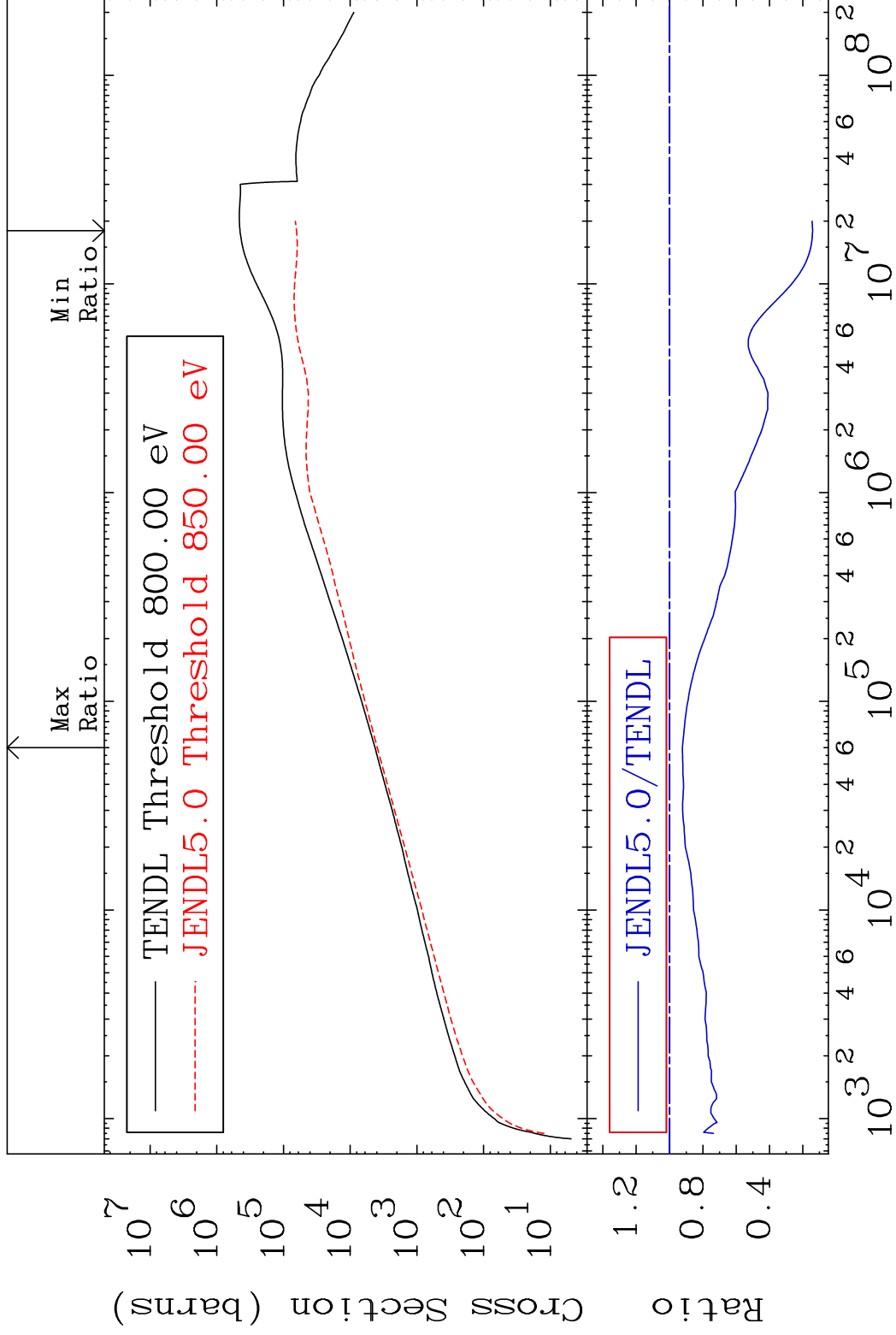
MAT 5253

Dpa elastic (mt2)

52-Te-129m

Cross Section

-85.80 To -7.697%



48

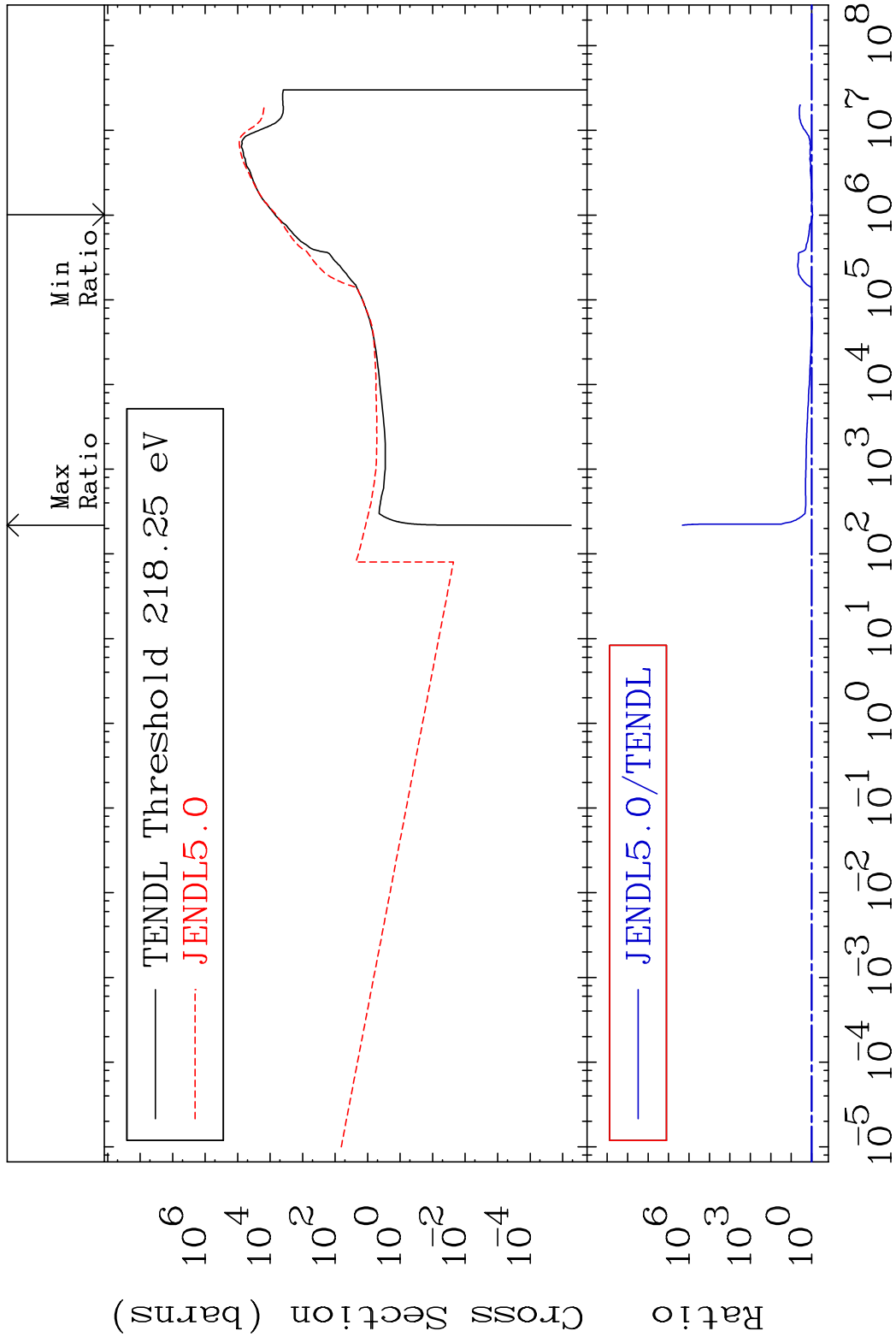
Incident Energy (eV)

52-Te-129m

MAT 5253

Dpa inelastic (mt51-91) 52-Te-129m

Cross Section -9.112 To 9999. %

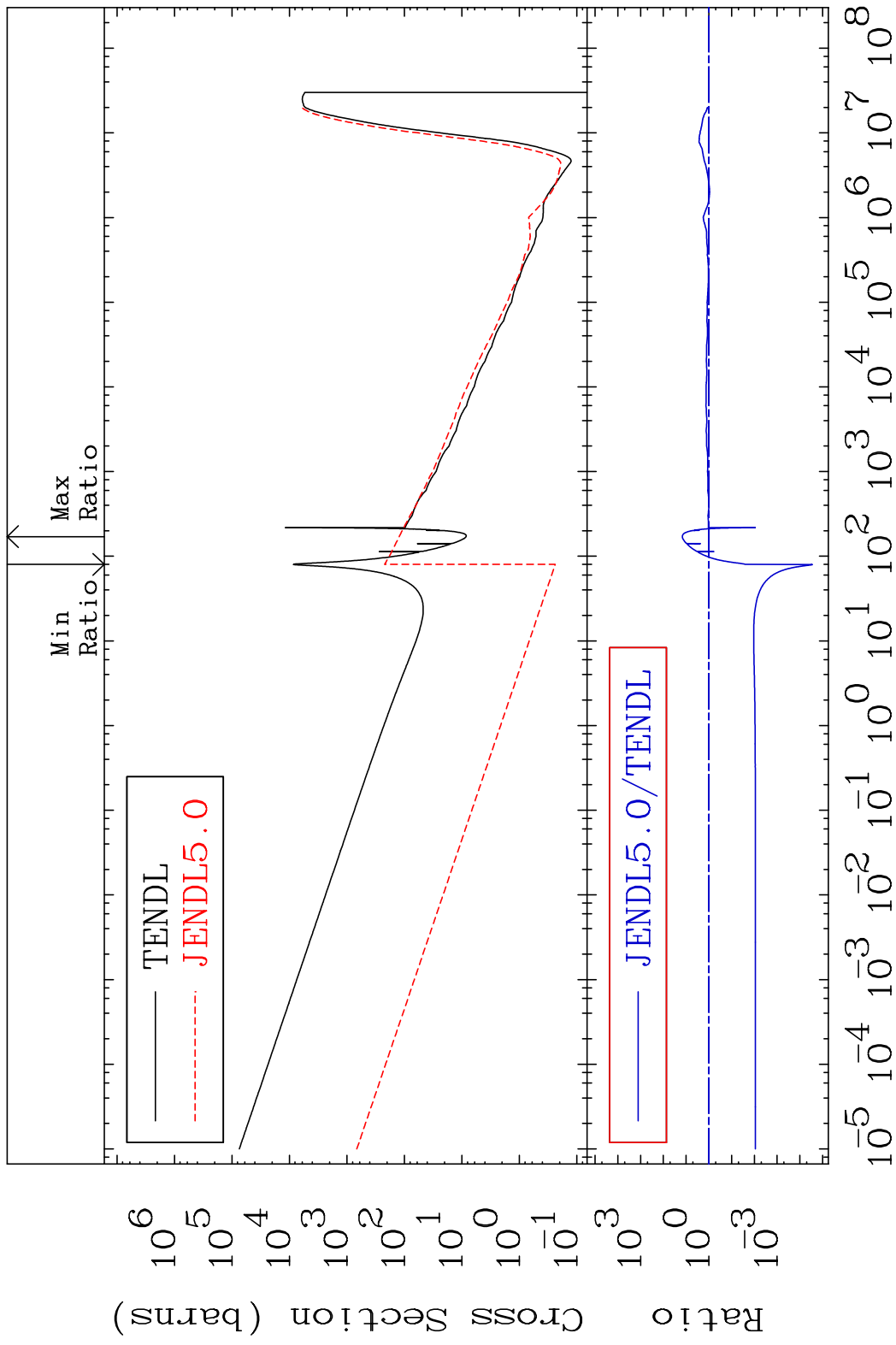


49

Incident Energy (eV)

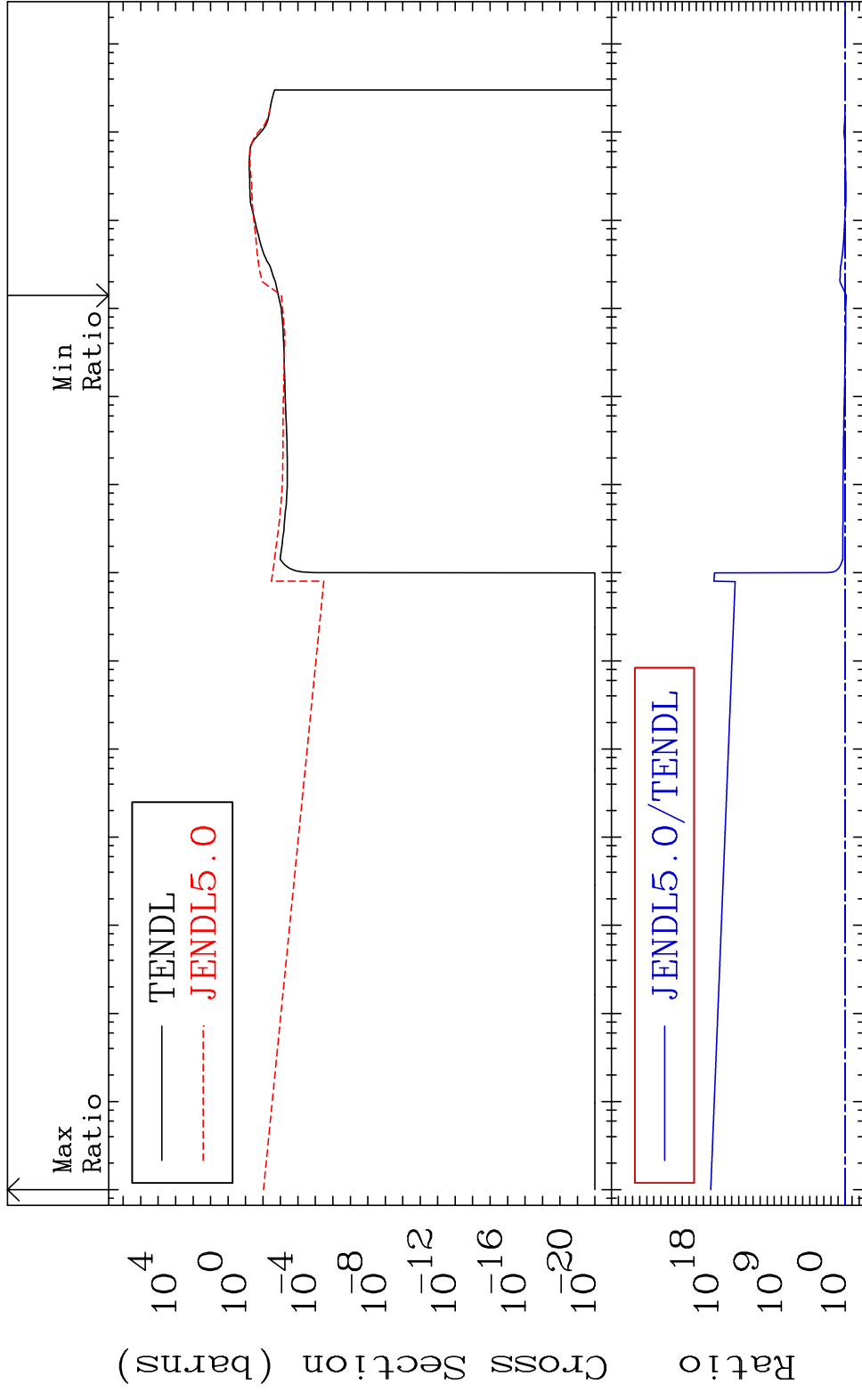
52-Te-129m

MAT 5253 Dpa disappearance (mt102 -120) 52-Te-129m
 Cross Section -100.0 To 1359. %

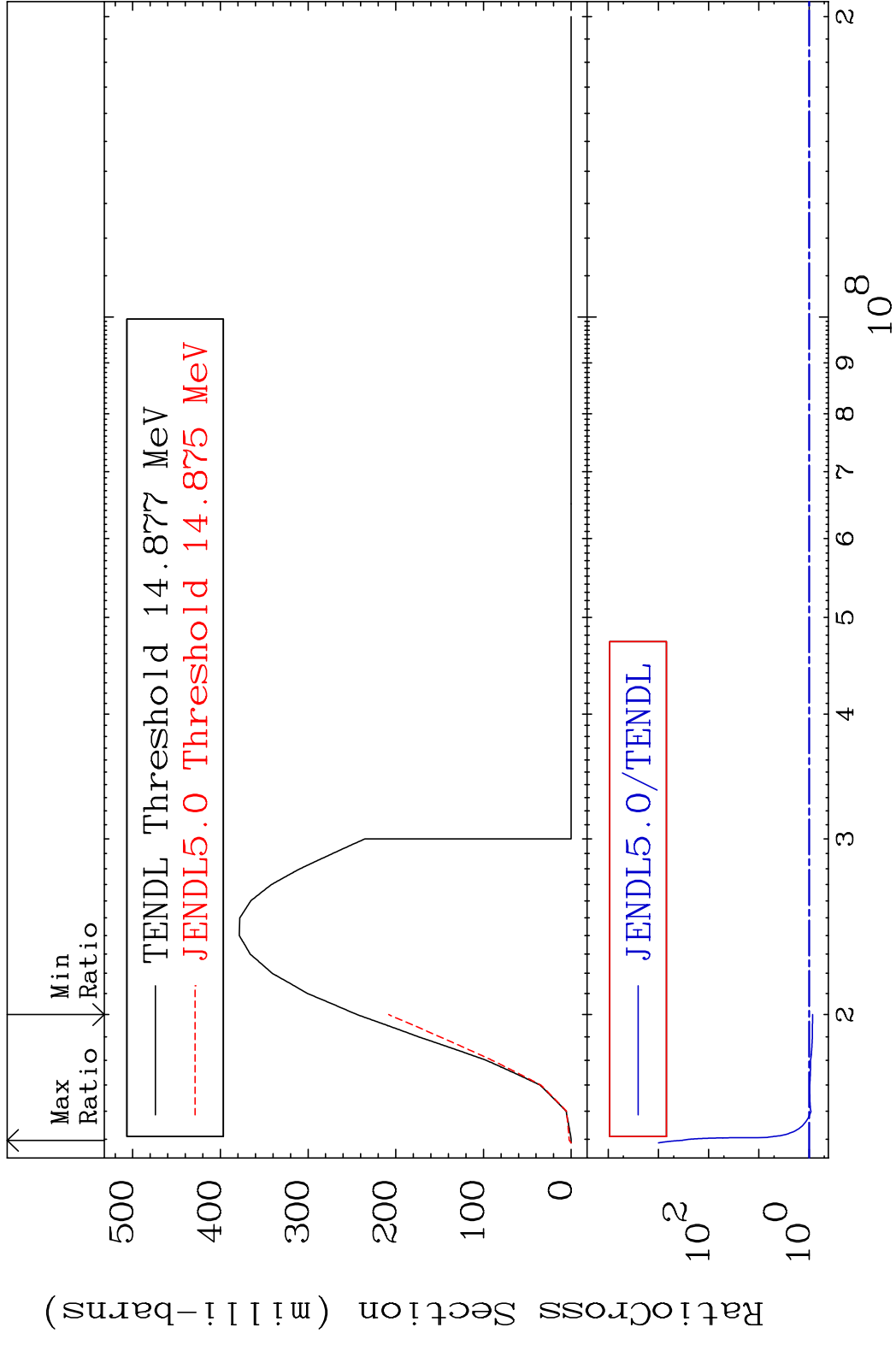


50 Incident Energy (eV) 52-Te-129m

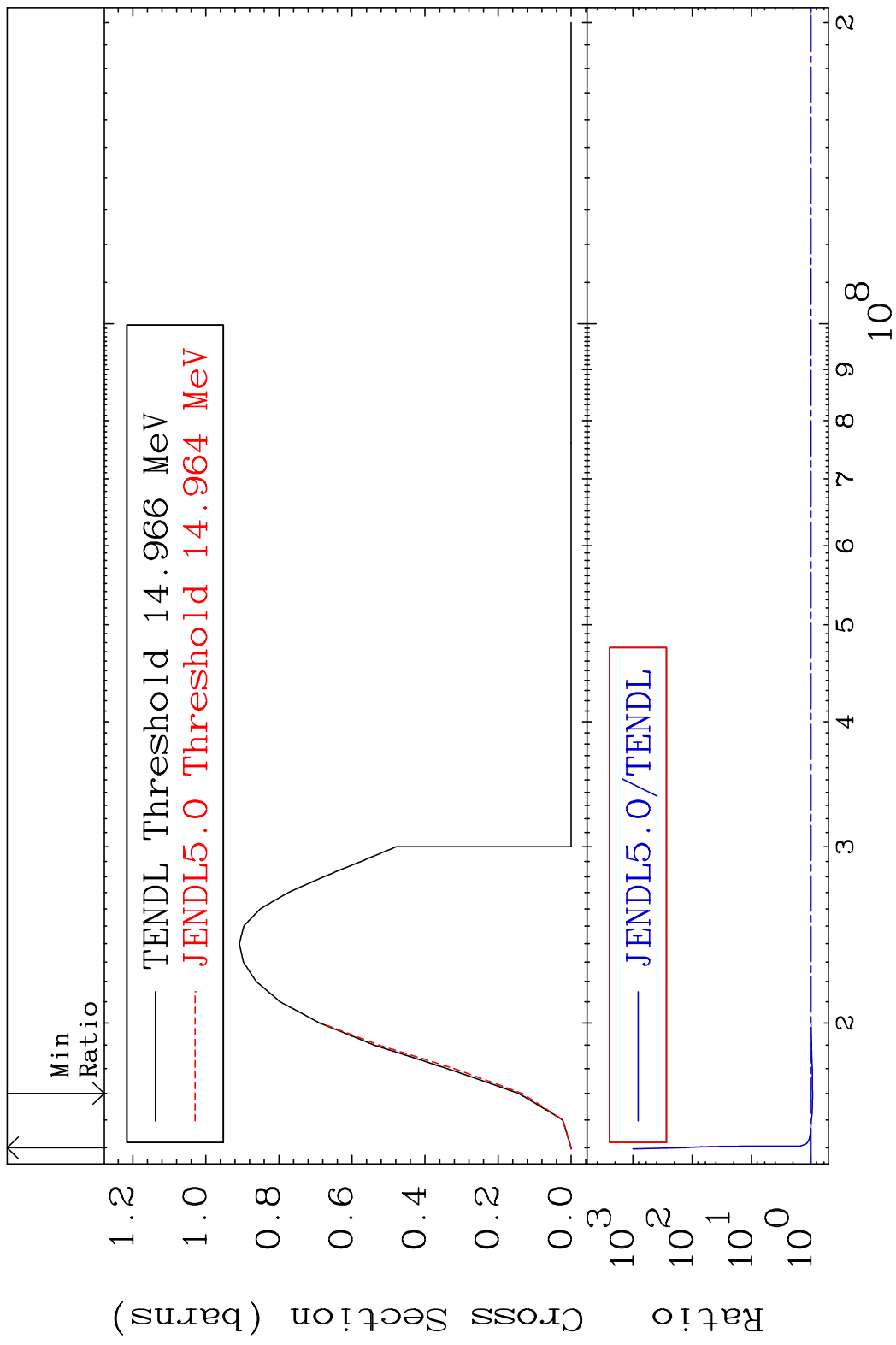
MAT 5253 Inelastic:52-Te-129g 52-Te-129m
 Radionuclide Production Cross Section to 9999. %



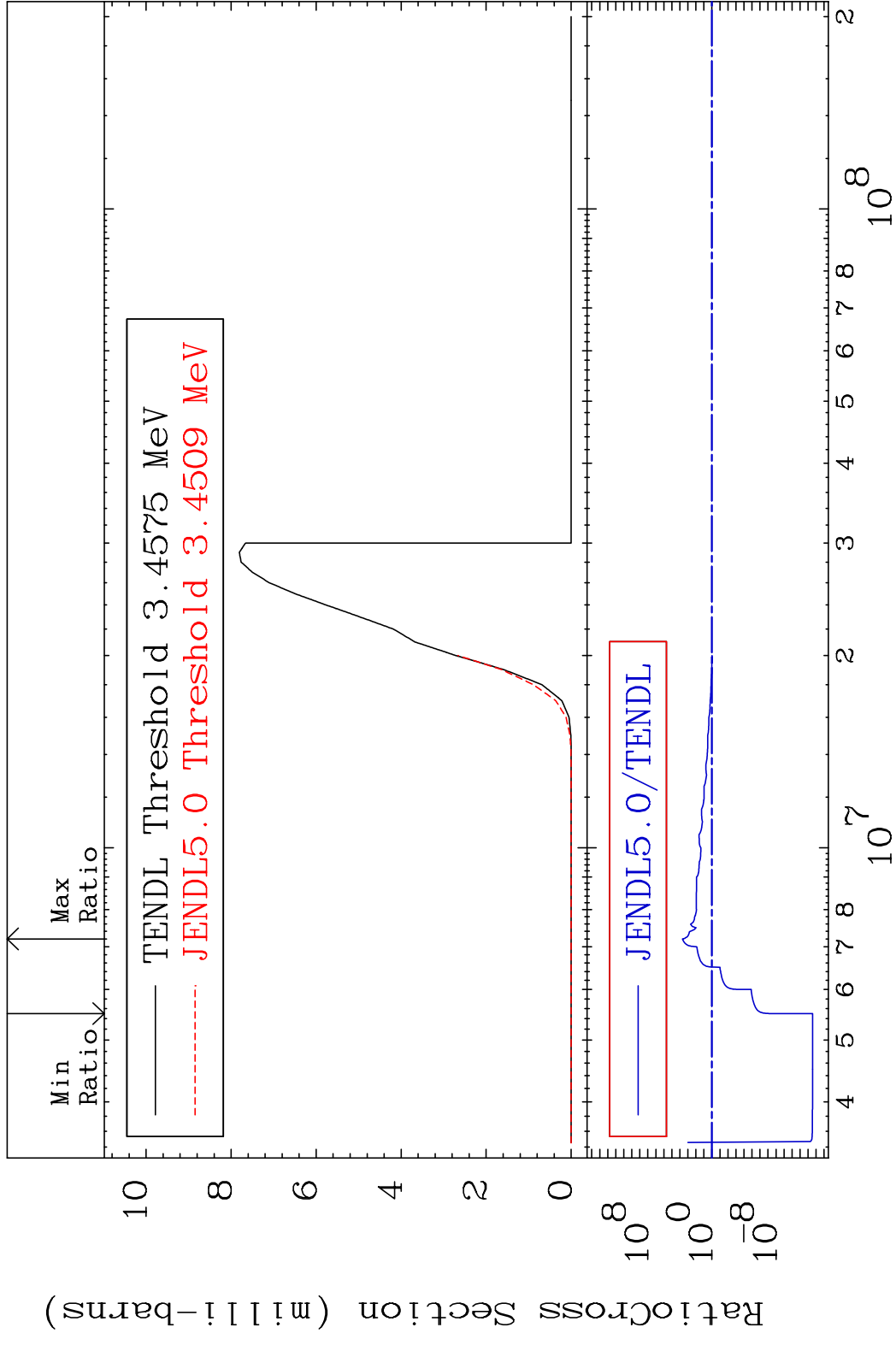
MAT 5253 (n,3n):52-Te-127g 52-Te-129m
 Radionuclide Production Cross Section 1.5e7 B/dm 9999. %



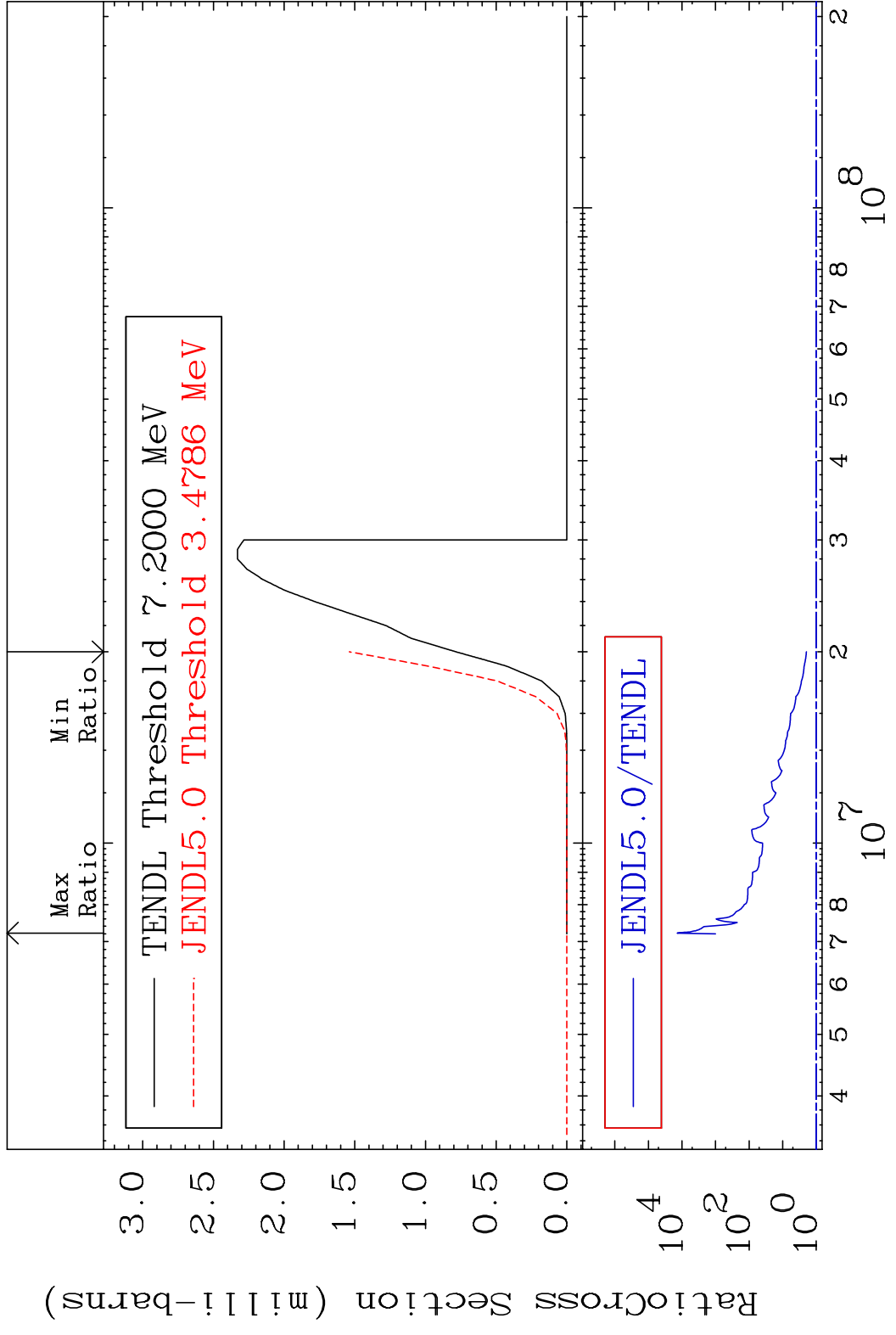
MAT 5253 (n, 3n):52-Te-127m2 52-Te-129m
 Radionuclide Production Cross Section to 9999. %



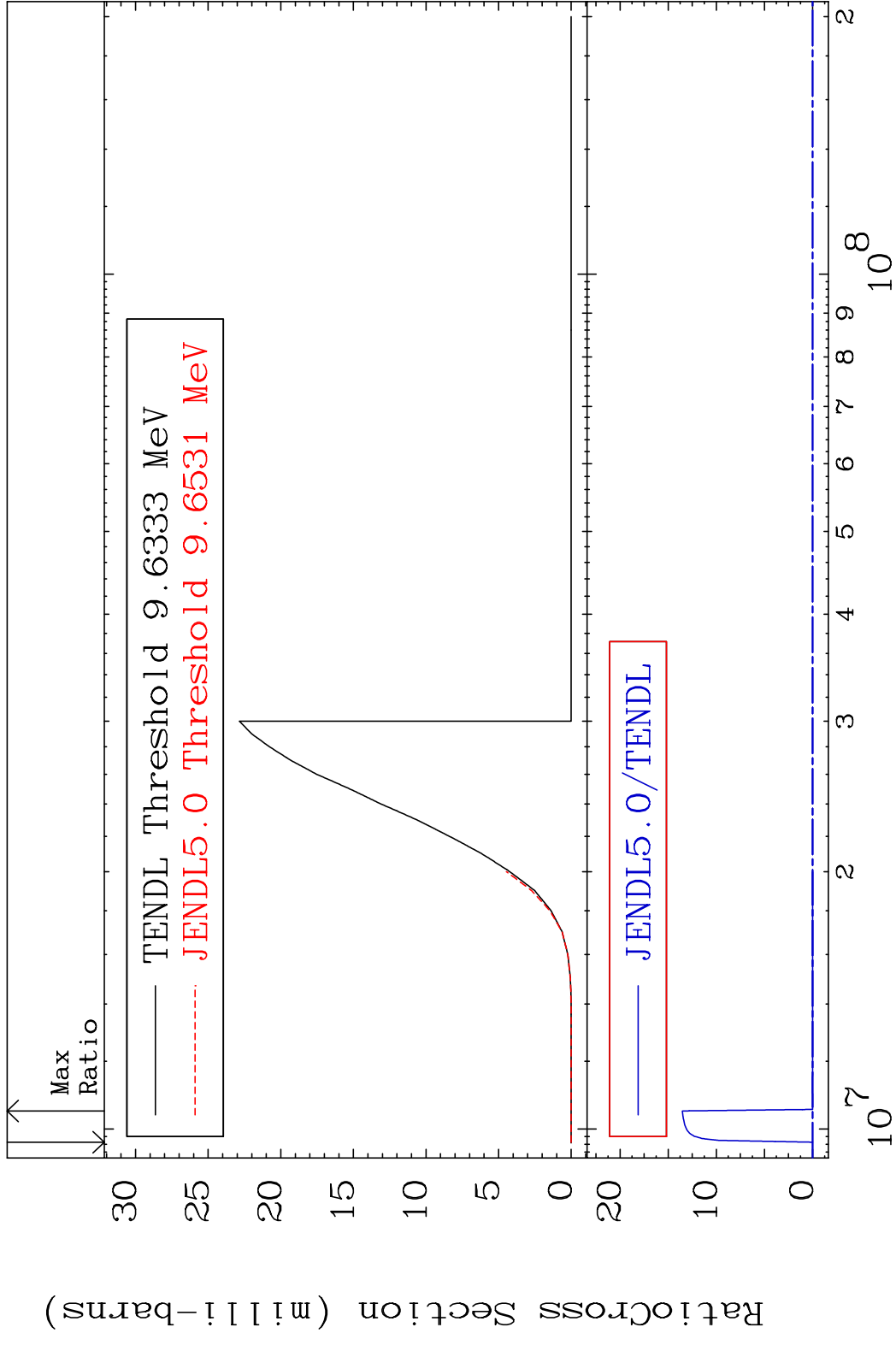
MAT 5253 (n, n') α :50-Sn-125g 52-Te-129m
 Radionuclide Production Cross Section to 9999. %



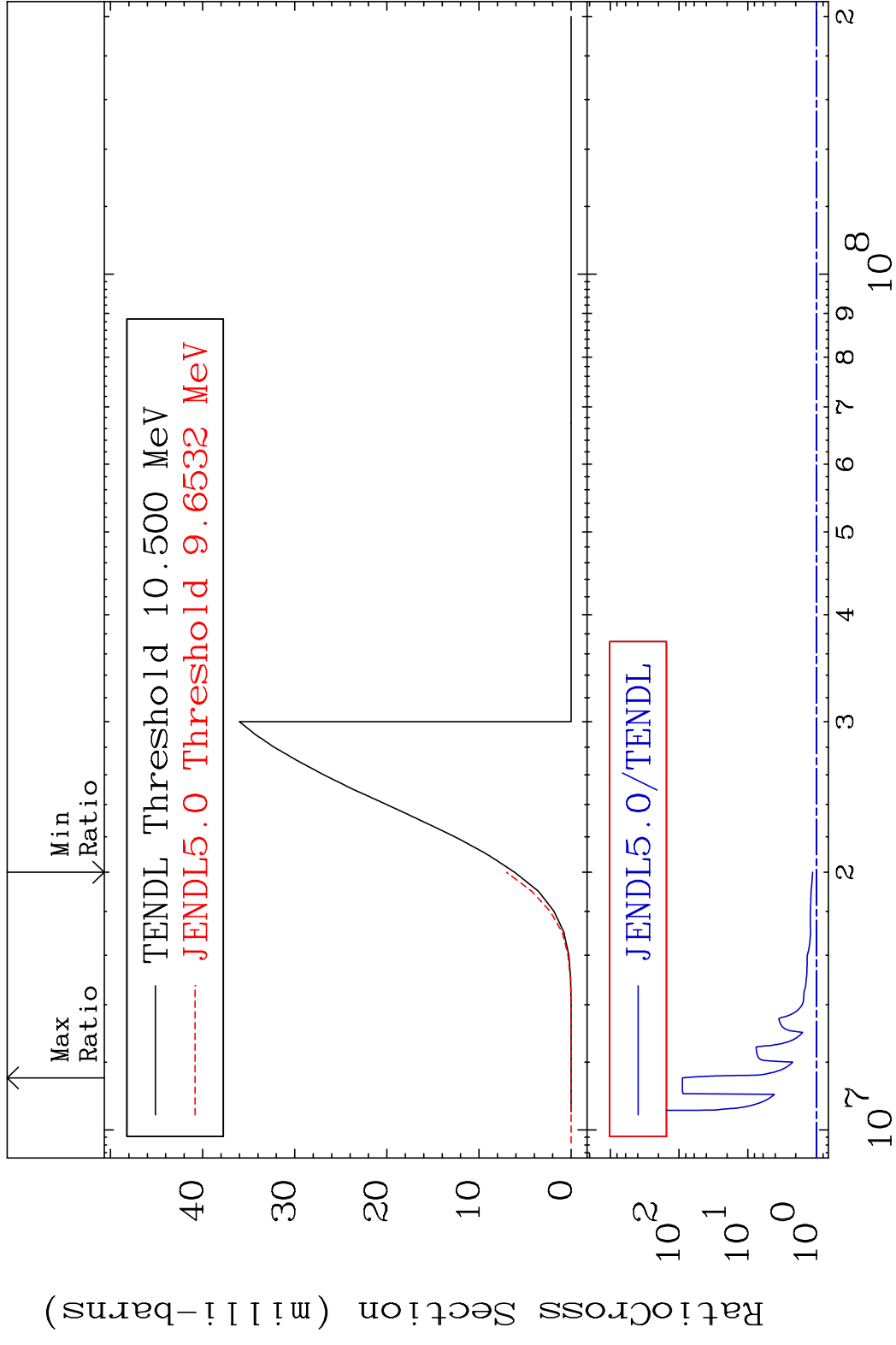
MAT 5253 (n, n') α :50-Sn-125m1 52-Te-129m
 Radionuclide Production Cross Section to 9999. %



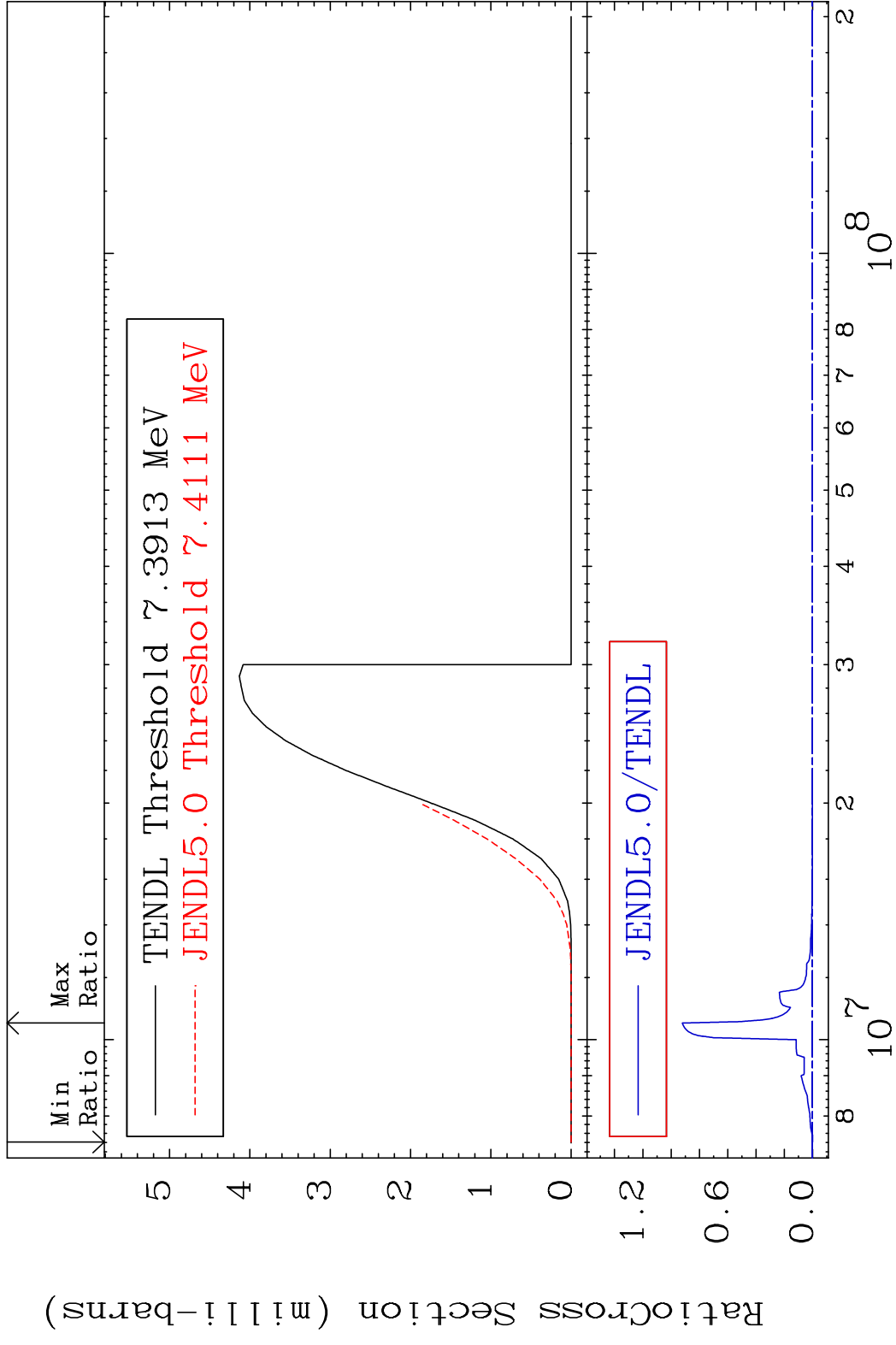
MAT 5253 (n, n') p:51-Sb-128g 52-Te-129m
 Radionuclide Production Cross Section to 9999. %



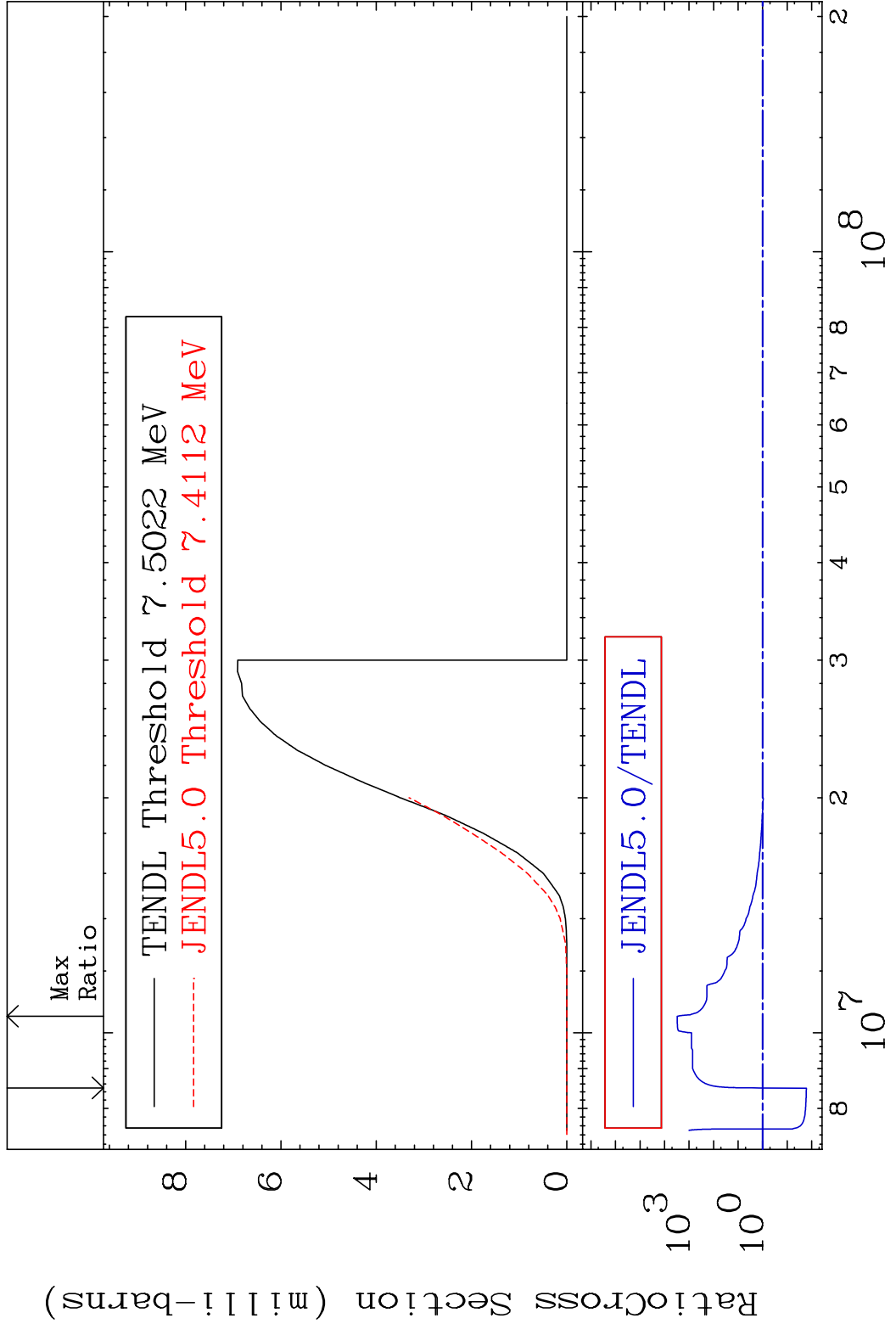
MAT 5253 (n, n') p:51-Sb-128m1 52-Te-129m
 Radionuclide Production Cross Section 8860. %



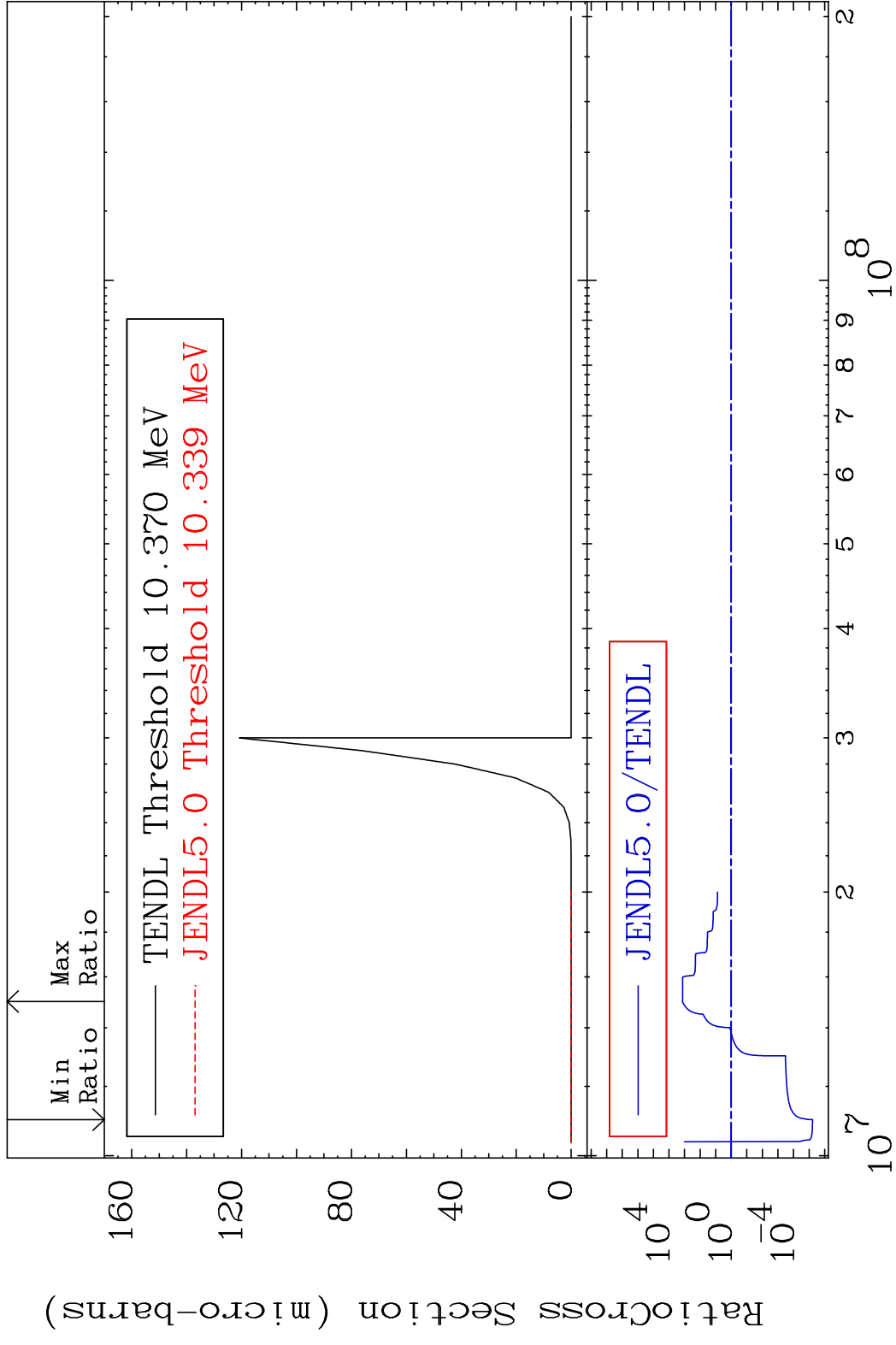
MAT 5253 (n,d):51-Sb-128g 52-Te-129m
 Radionuclide Production Cross Section to 9999. %



MAT 5253 (n,d):51-Sb-128m1 52-Te-129m
 Radionuclide Production Cross Section to 9999. %

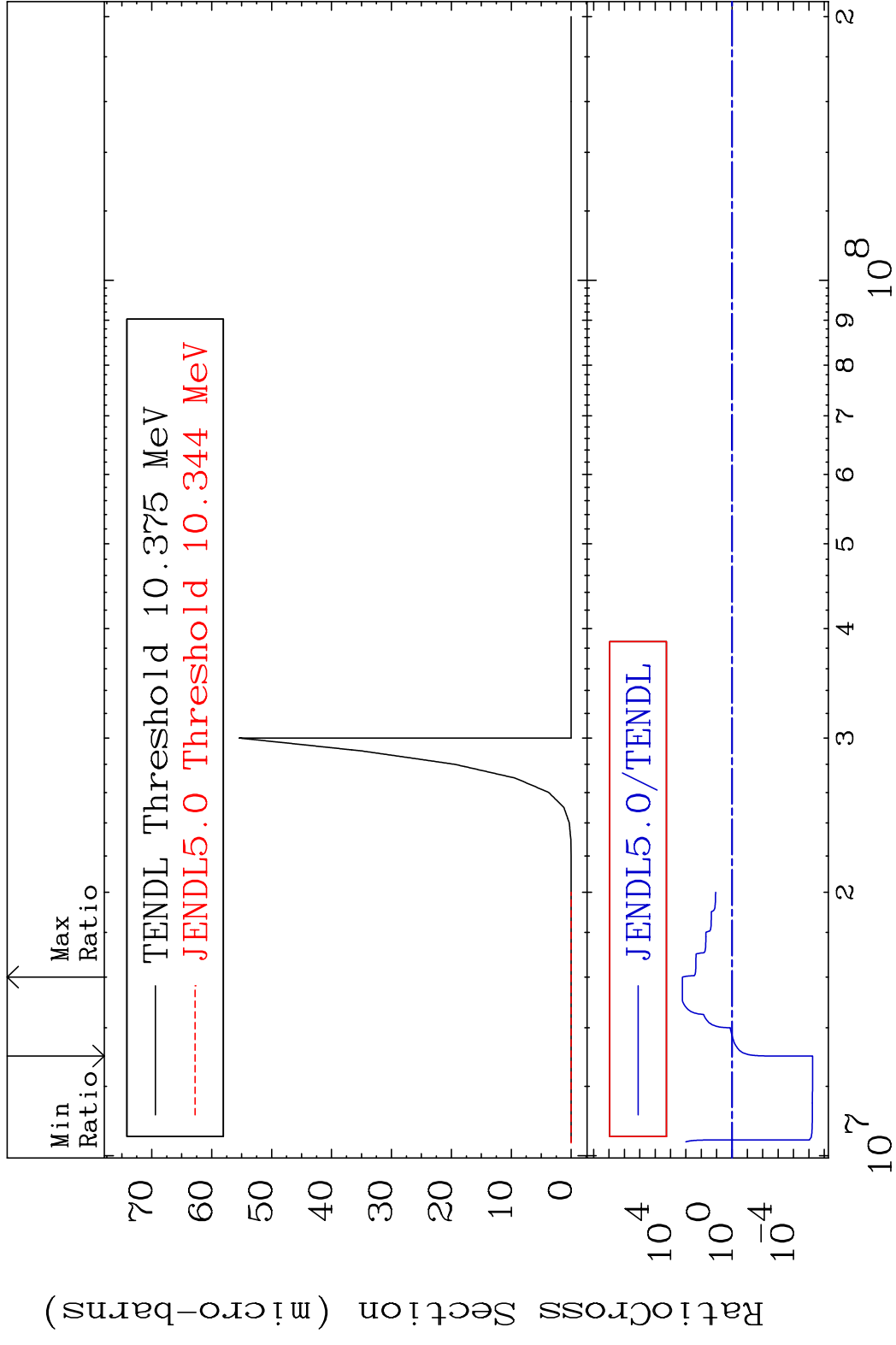


MAT 5253 (n, He-3):50-Sn-127g 52-Te-129m
 Radionuclide Production Cross Section to 9999. %



60 Incident Energy (eV) 52-Te-129m

MAT 5253 (n, He-3) : 50-Sn-127m1 52-Te-129m
 Radionuclide Production Cross Section to 9999. %



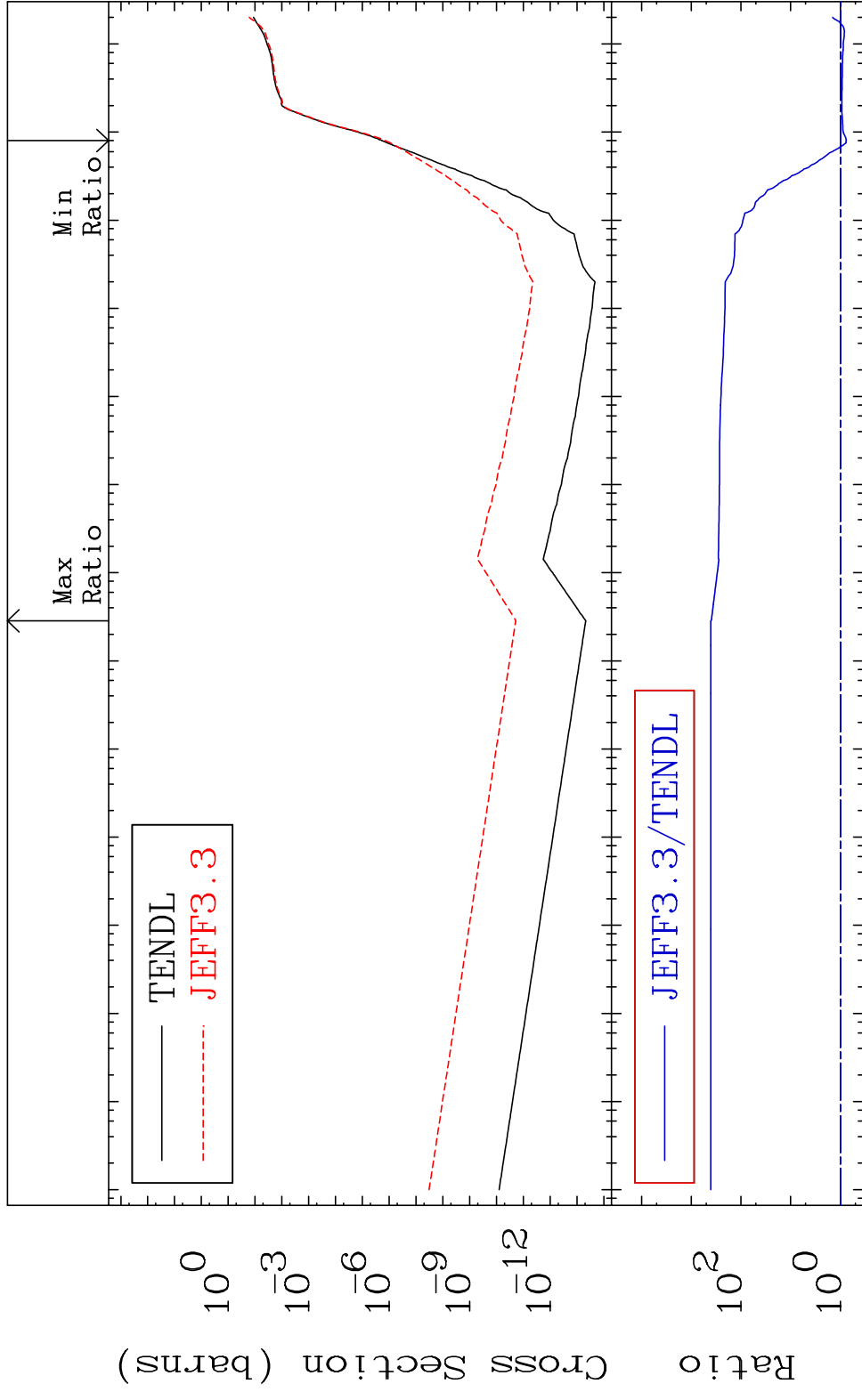
61 Incident Energy (eV) 52-Te-129m

MAT 5253

He-4 Production

52-Te-129m

Cross Section -24.18 To 9999. %

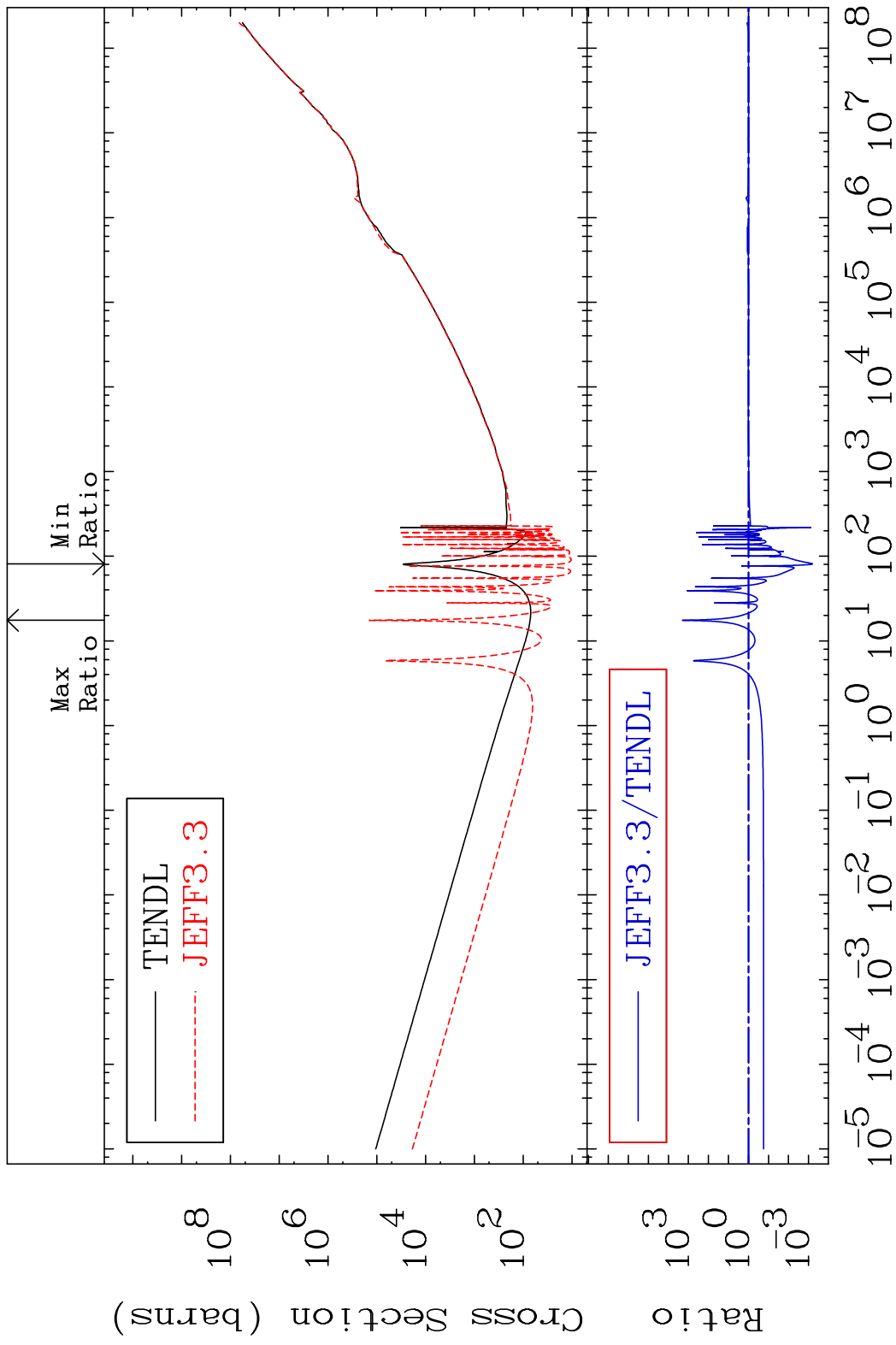


62

Incident Energy (eV)

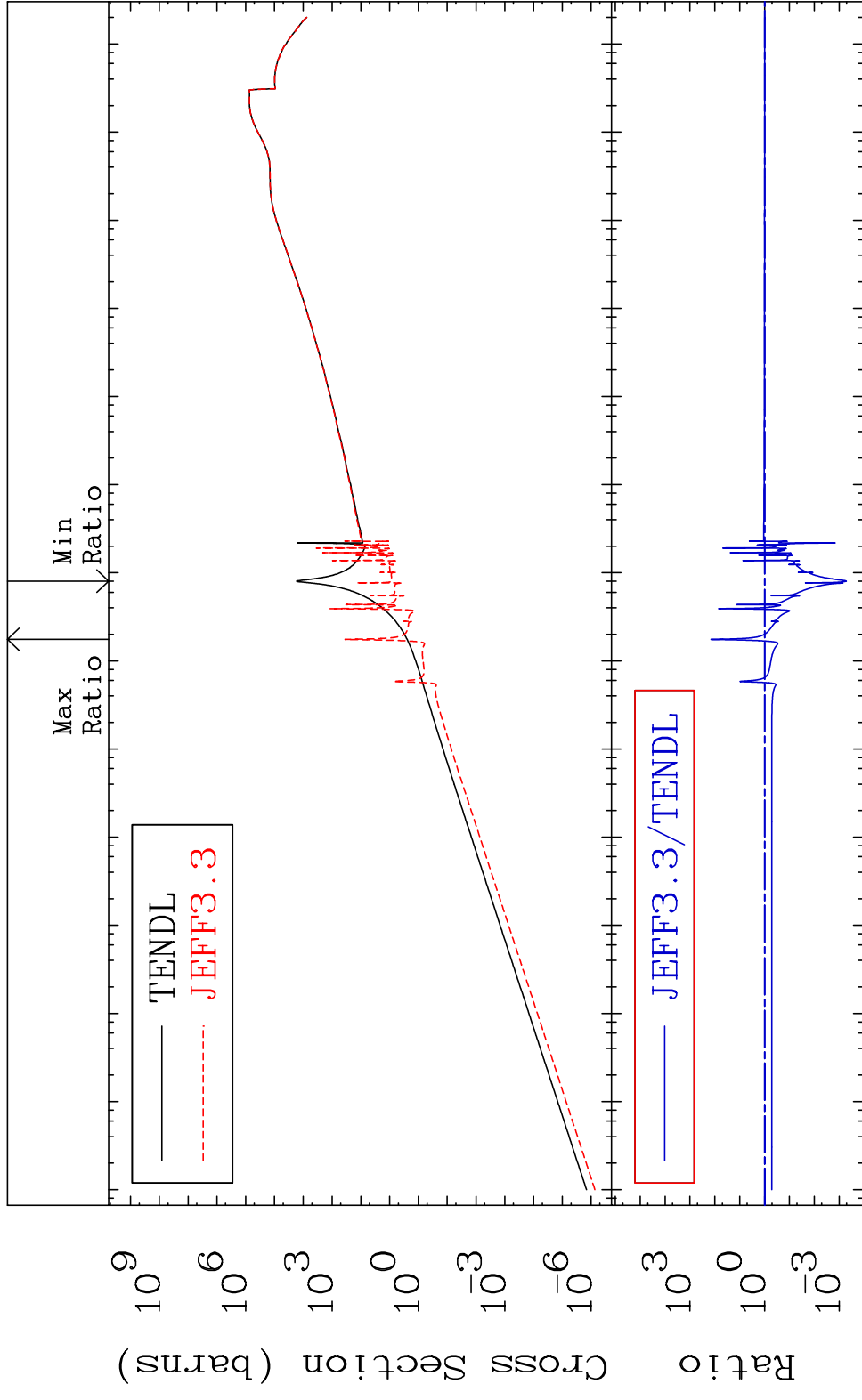
52-Te-129m

MAT 5253 Kerma total (eV-barns) 52-Te-129m
 Cross Section -99.94 To 9999. %



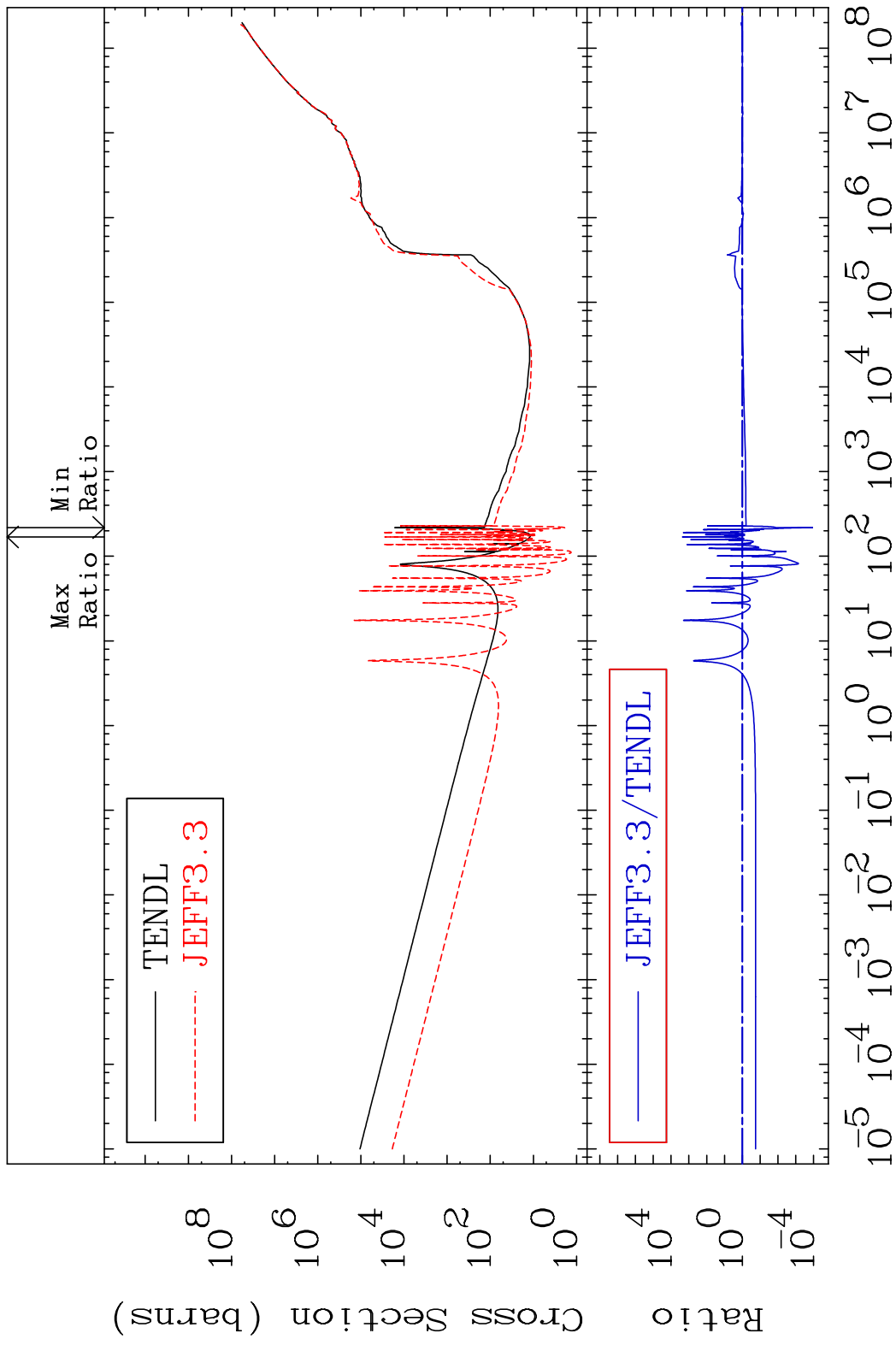
63 Incident Energy (eV) 52-Te-129m

MAT 5253 Kerma elastic 52-Te-129m
 Cross Section -99.95 To 9999. %



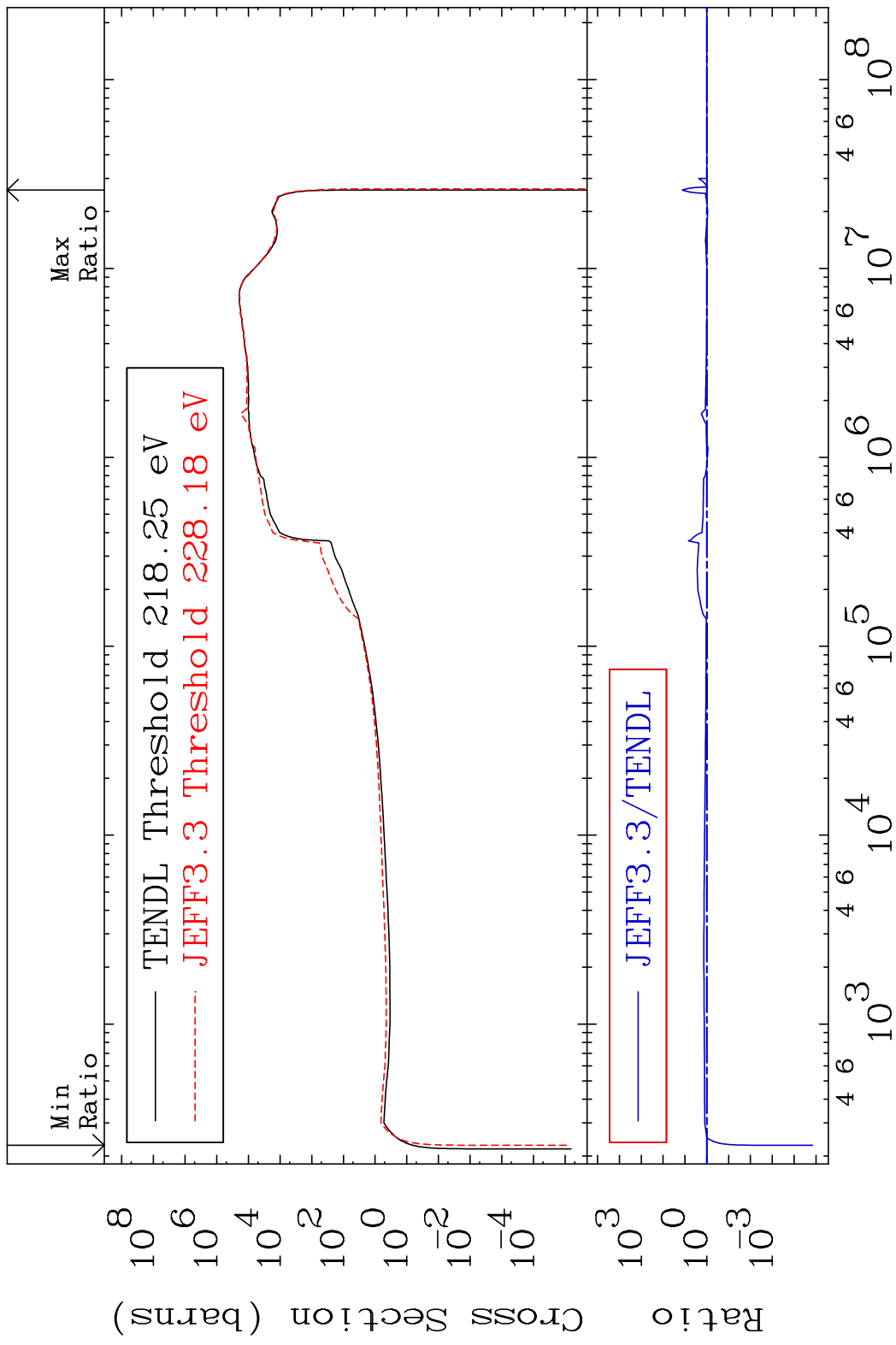
64 Incident Energy (eV) 52-Te-129m

MAT 5253 Kerma non-elastic (all but mt2) 52-Te-129m
 Cross Section -99.99 To 9999. %

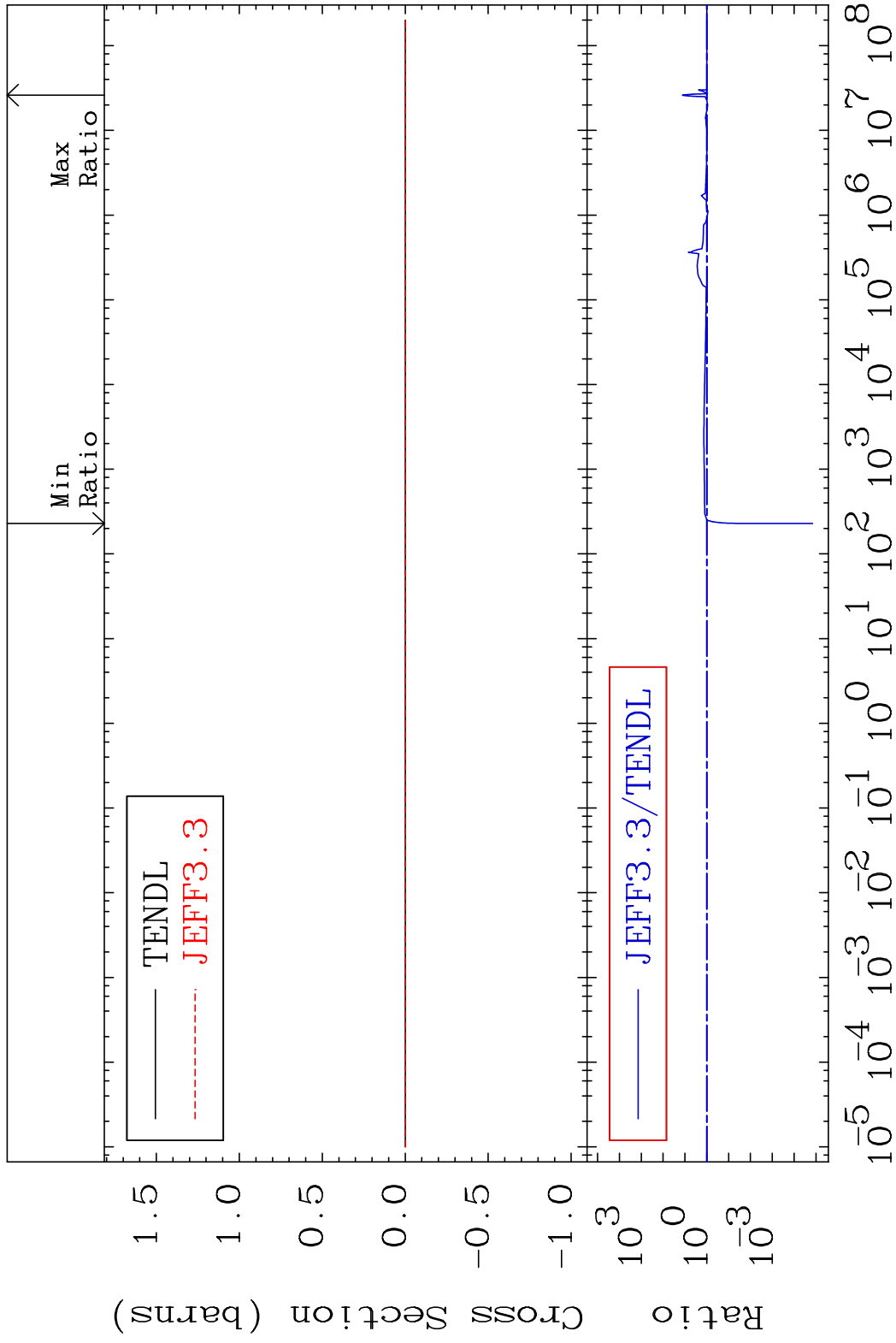


65 52-Te-129m

MAT 5253 Kerma inelastic (mt51-91) 52-Te-129m
 Cross Section -100.0 To 1208. %

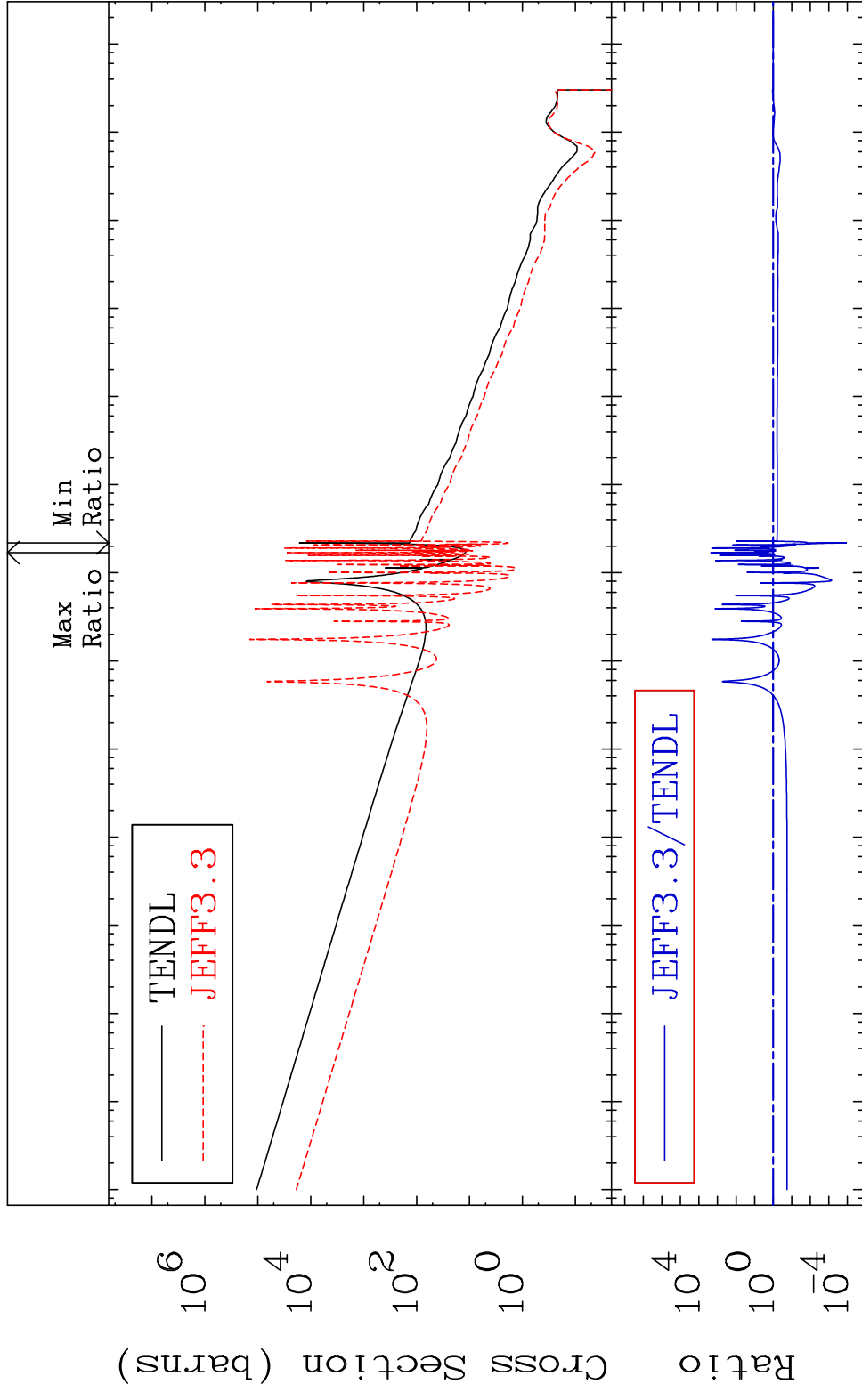


MAT 5253 Kerma fission (mt18 or mt19-20-21-35) Te-129m
 Cross Section -100.0 To 1208. %



MAT 5253

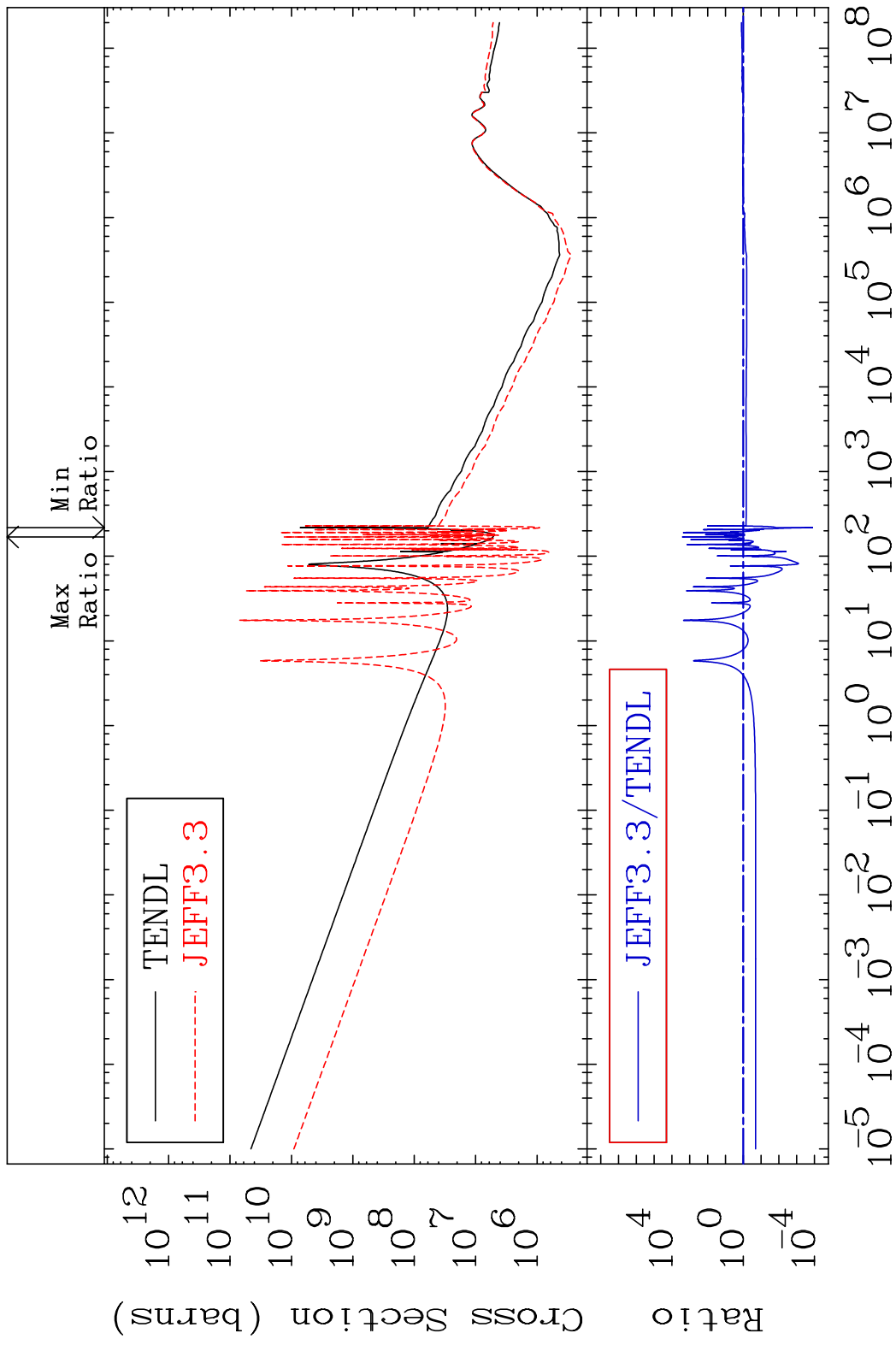
Kerma capture (mt102) 52-Te-129m
Cross Section -99.99 To 9999. %



68

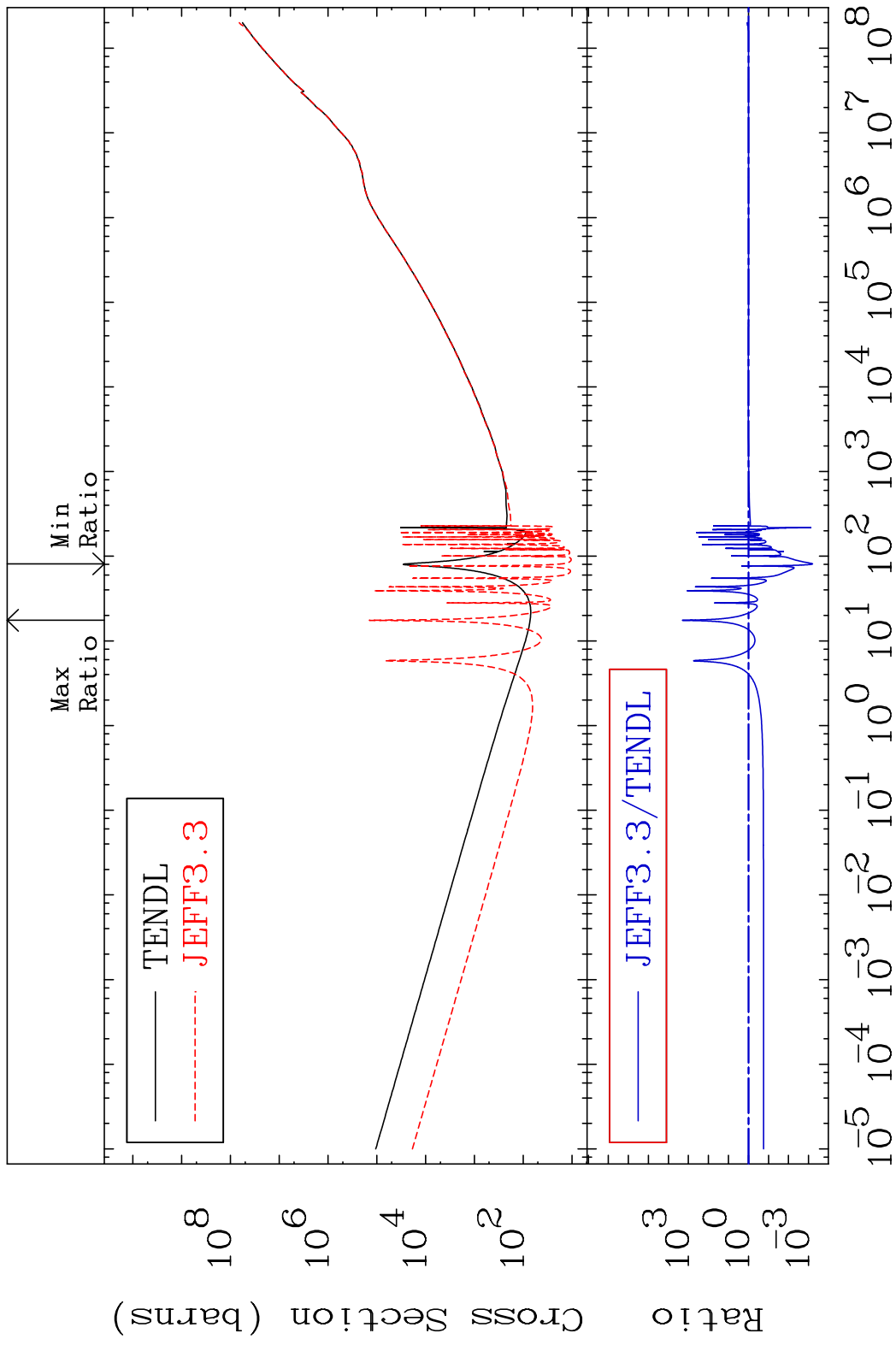
Incident Energy (eV) 52-Te-129m

MAT 5253 Total photon (eV-barns) 52-Te-129m
 Cross Section -99.99 To 9999. %



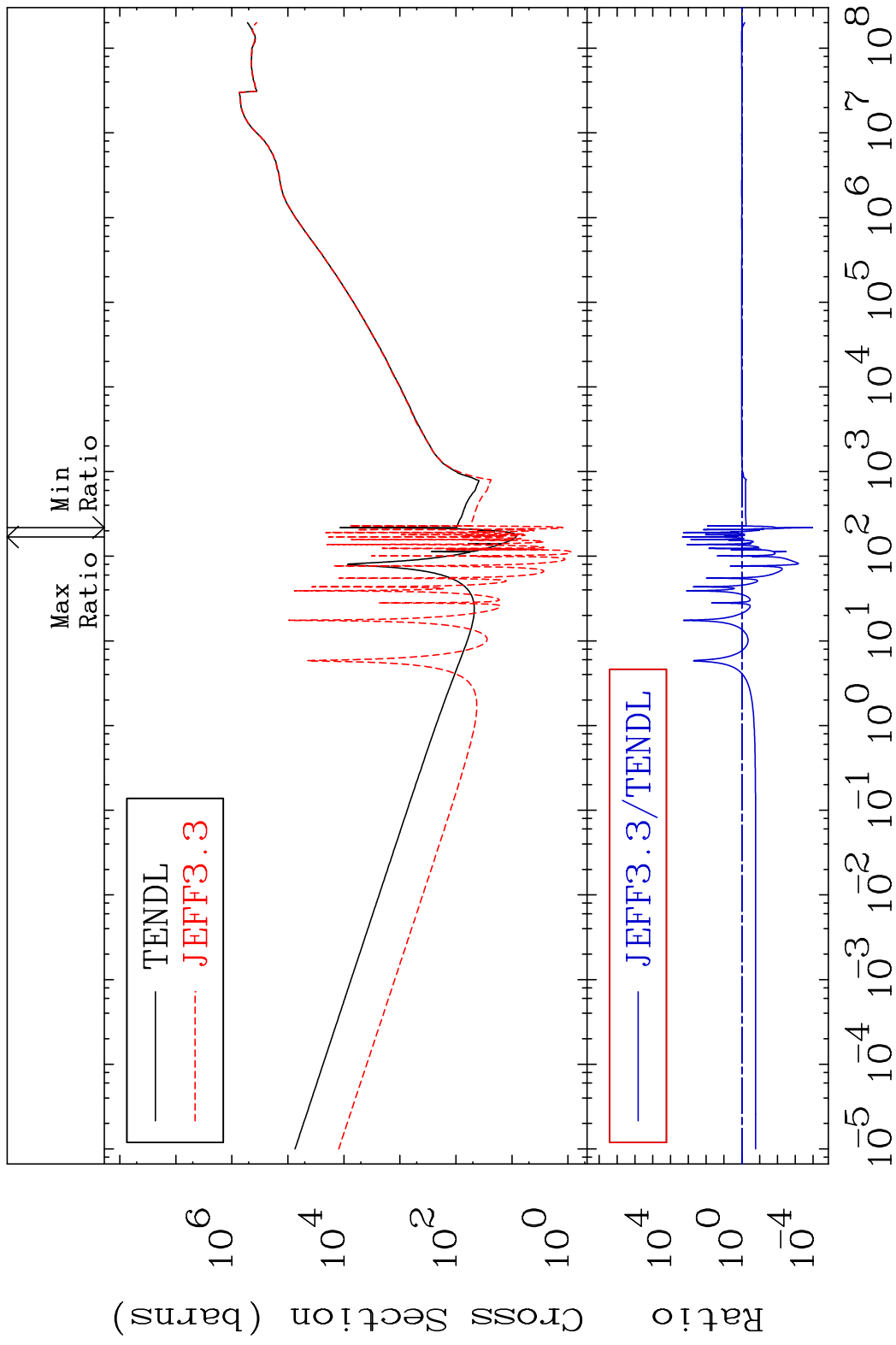
69 Incident Energy (eV) 52-Te-129m

MAT 5253 Total kinematic kerma (high limit)52-Te-129m
 Cross Section -99.94 To 9999. %



70 Incident Energy (eV) 52-Te-129m

MAT 5253 Dpa total (eV-barns) 52-Te-129m
 Cross Section -99.99 To 9999. %



71 Incident Energy (eV) 52-Te-129m

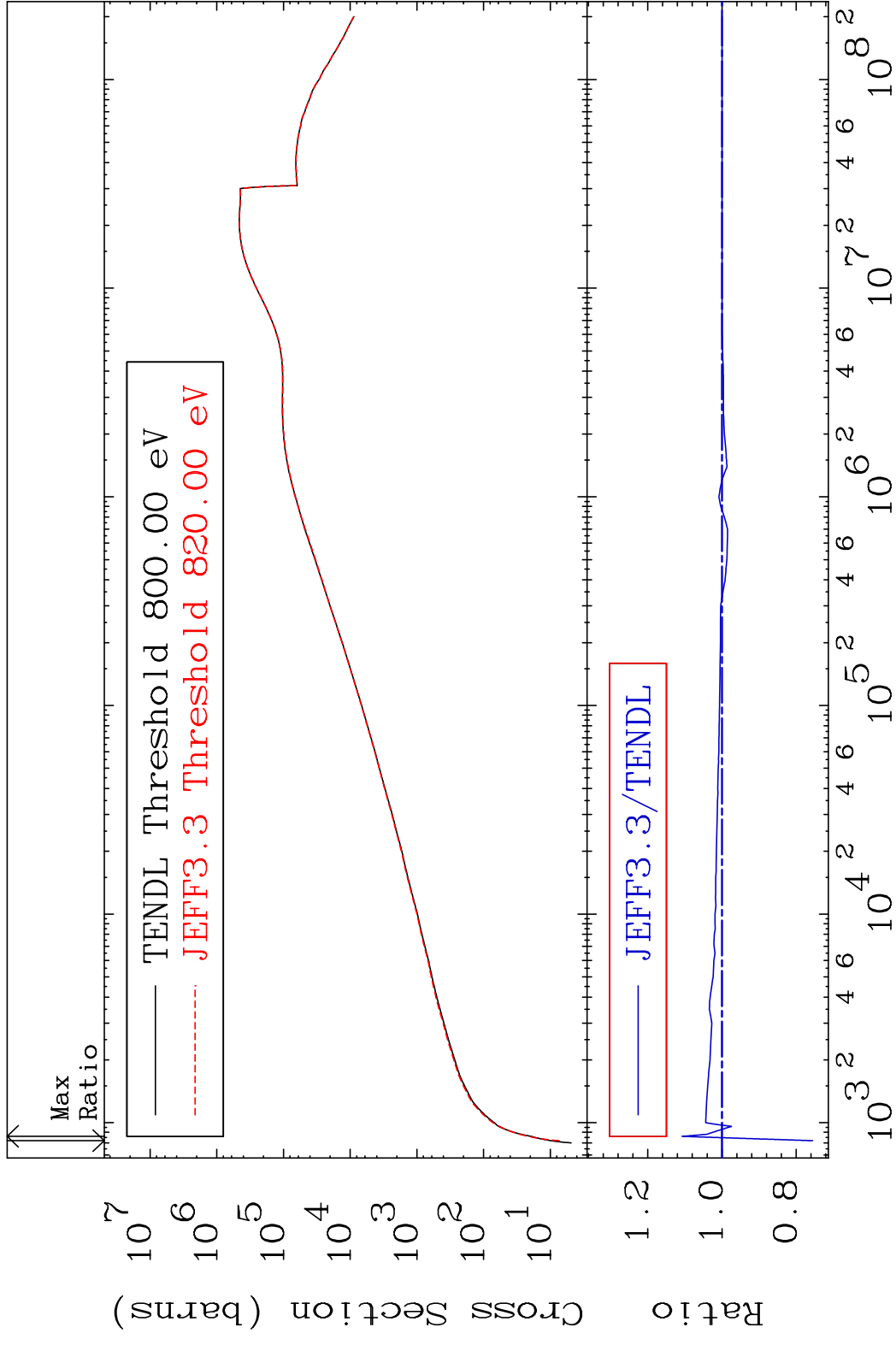
MAT 5253

Dpa elastic (mt2)

52-Te-129m

Cross Section

-24.40 To 10.68 %

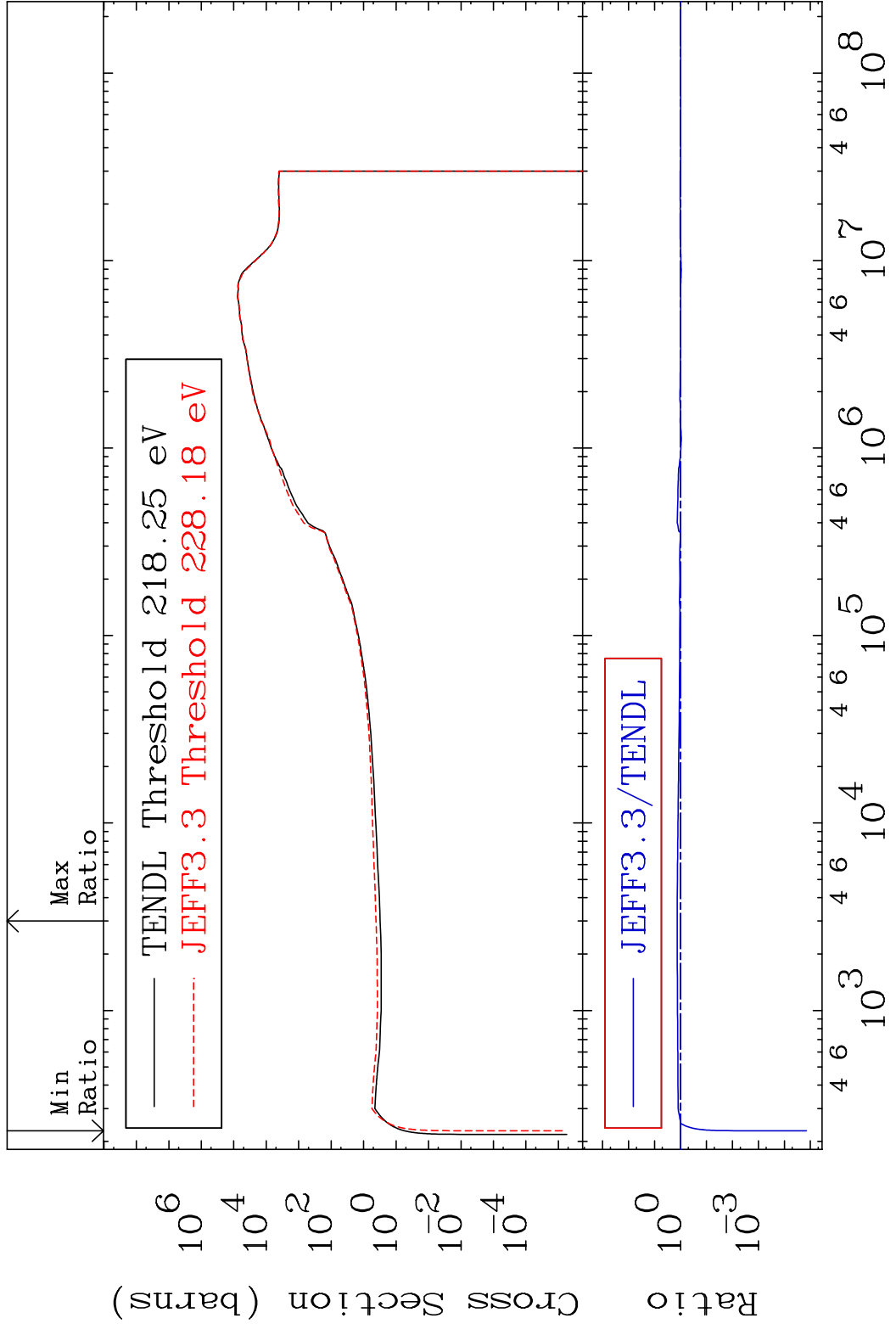


72

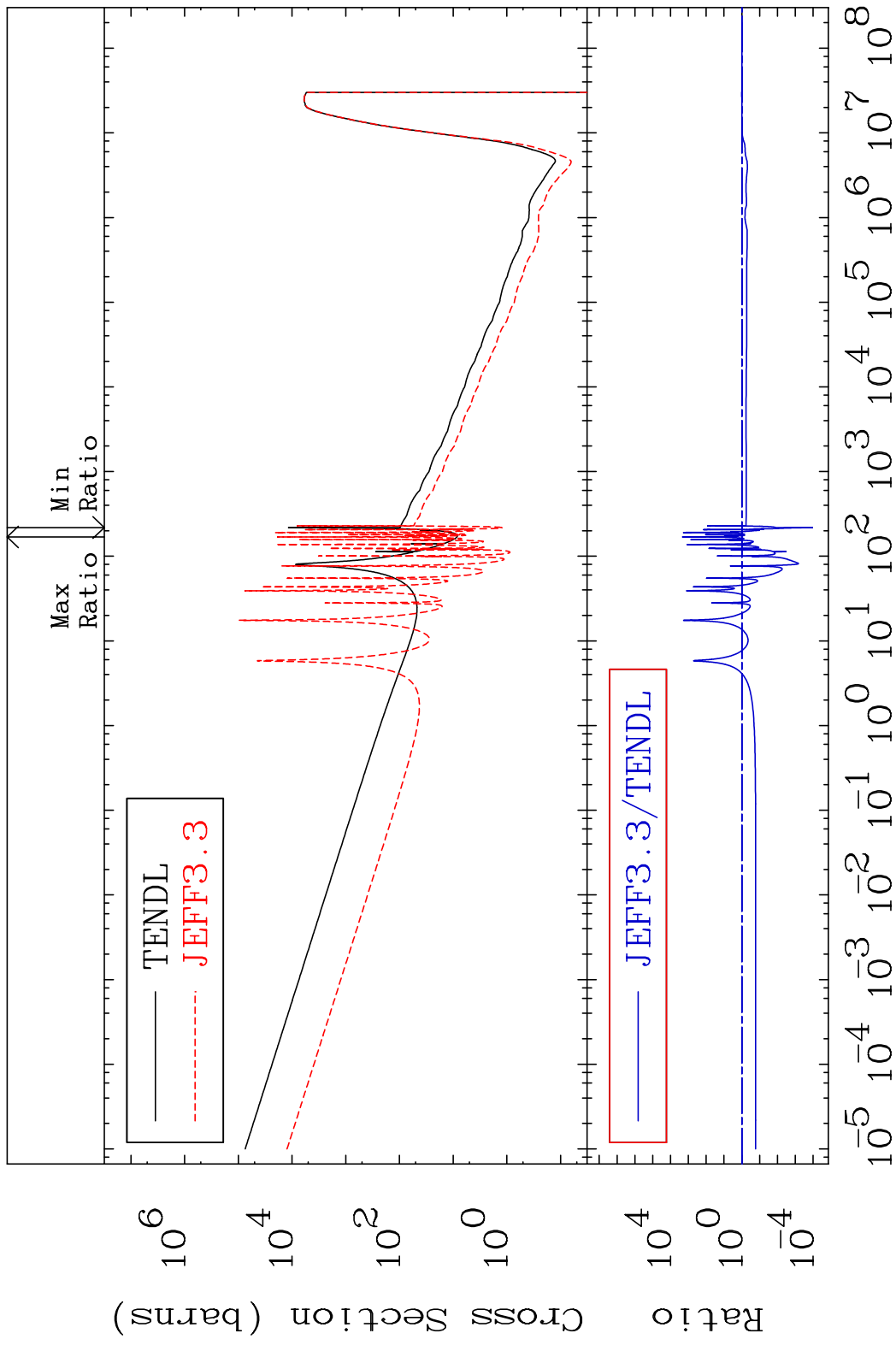
Incident Energy (eV)

52-Te-129m

MAT 5253 Dpa inelastic (mt51-91) 52-Te-129m
 Cross Section -100.0 To 34.42 %

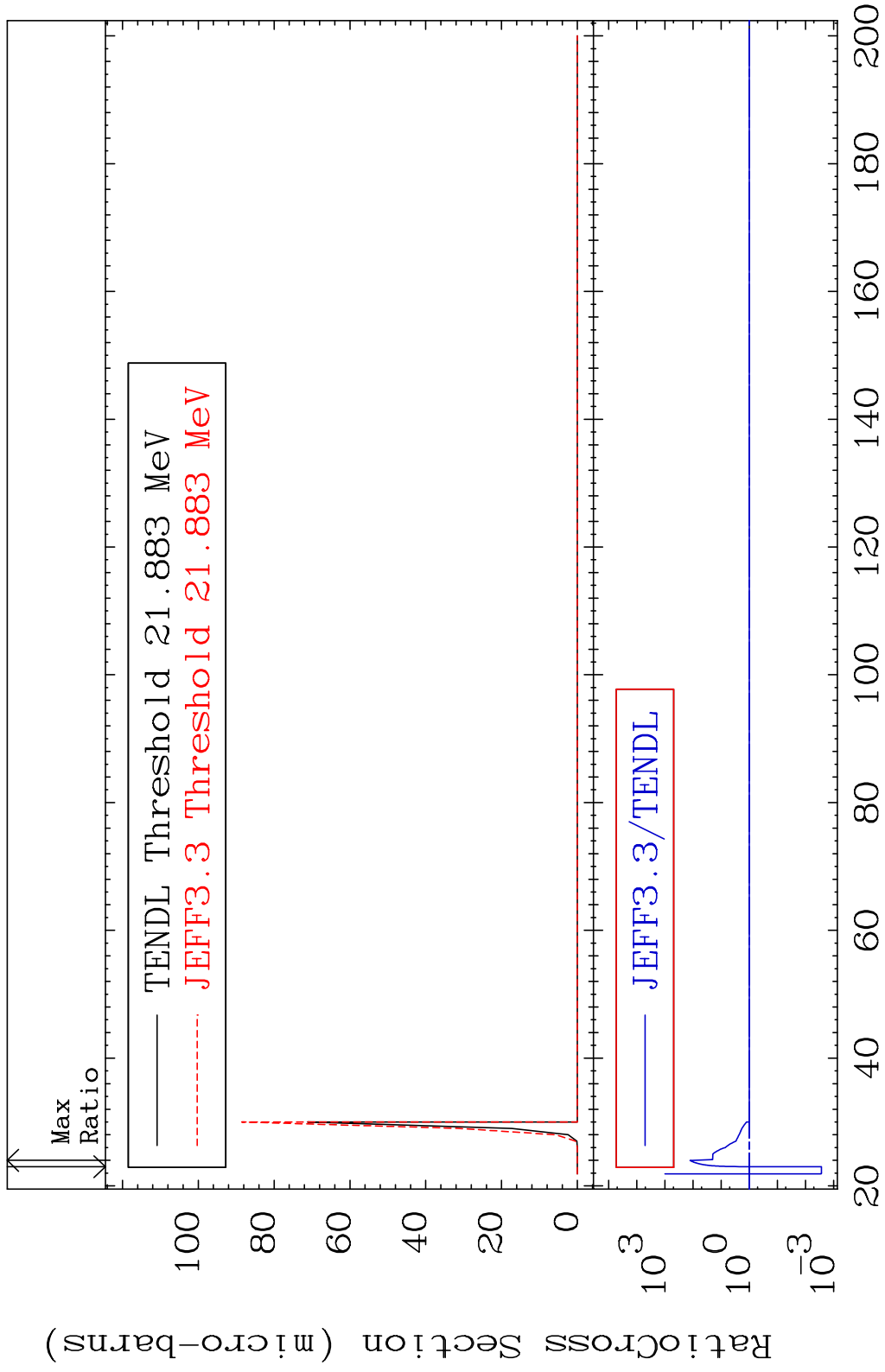


MAT 5253 Dpa disappearance (mt102 -120) 52-Te-129m
 Cross Section -99.99 To 9999. %



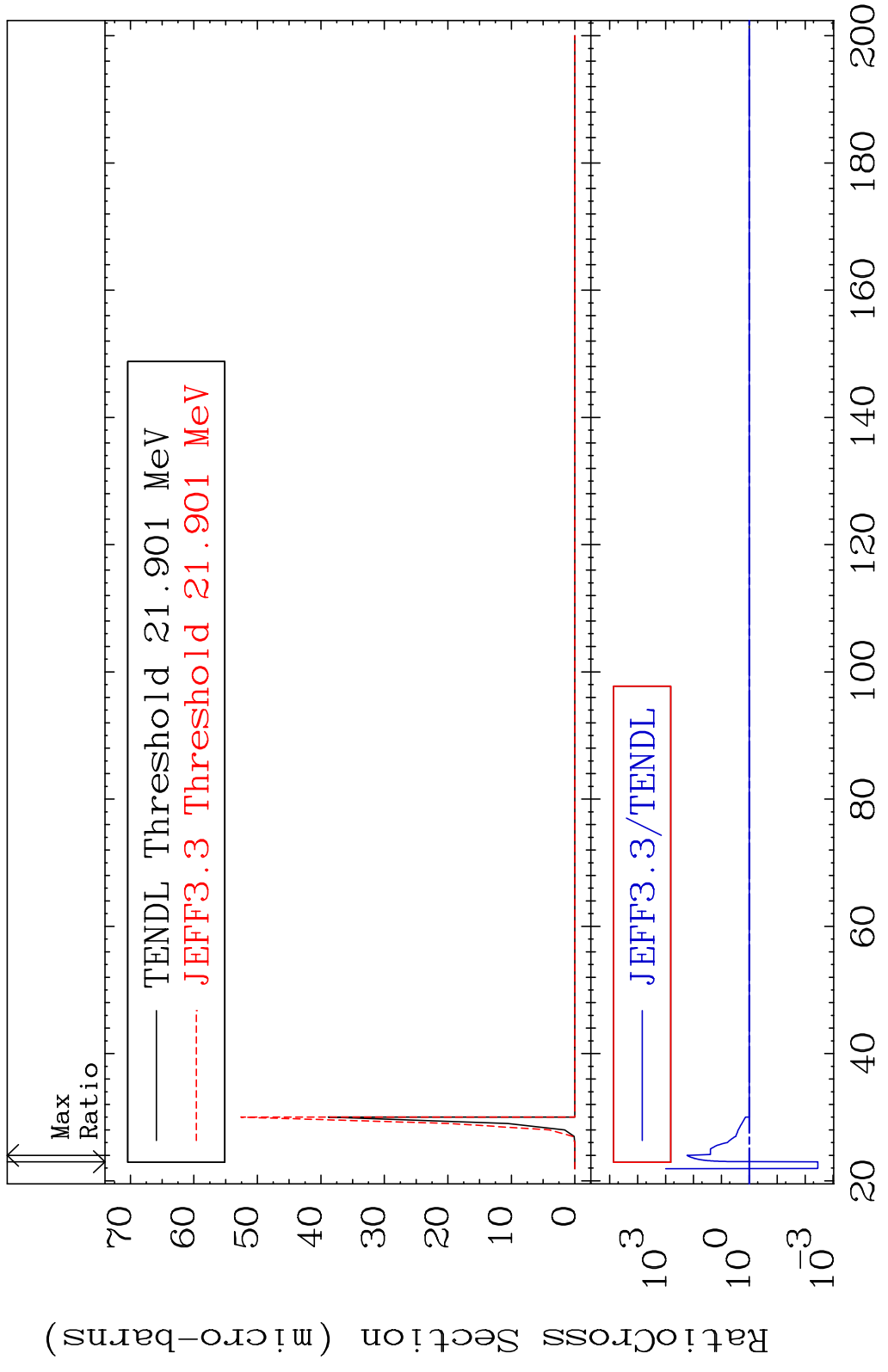
74 Incident Energy (eV) 52-Te-129m

MAT 5253 (n,2n) d:51-Sb-126g 52-Te-129m
 Radionuclide Production Cross Section to 9999. %

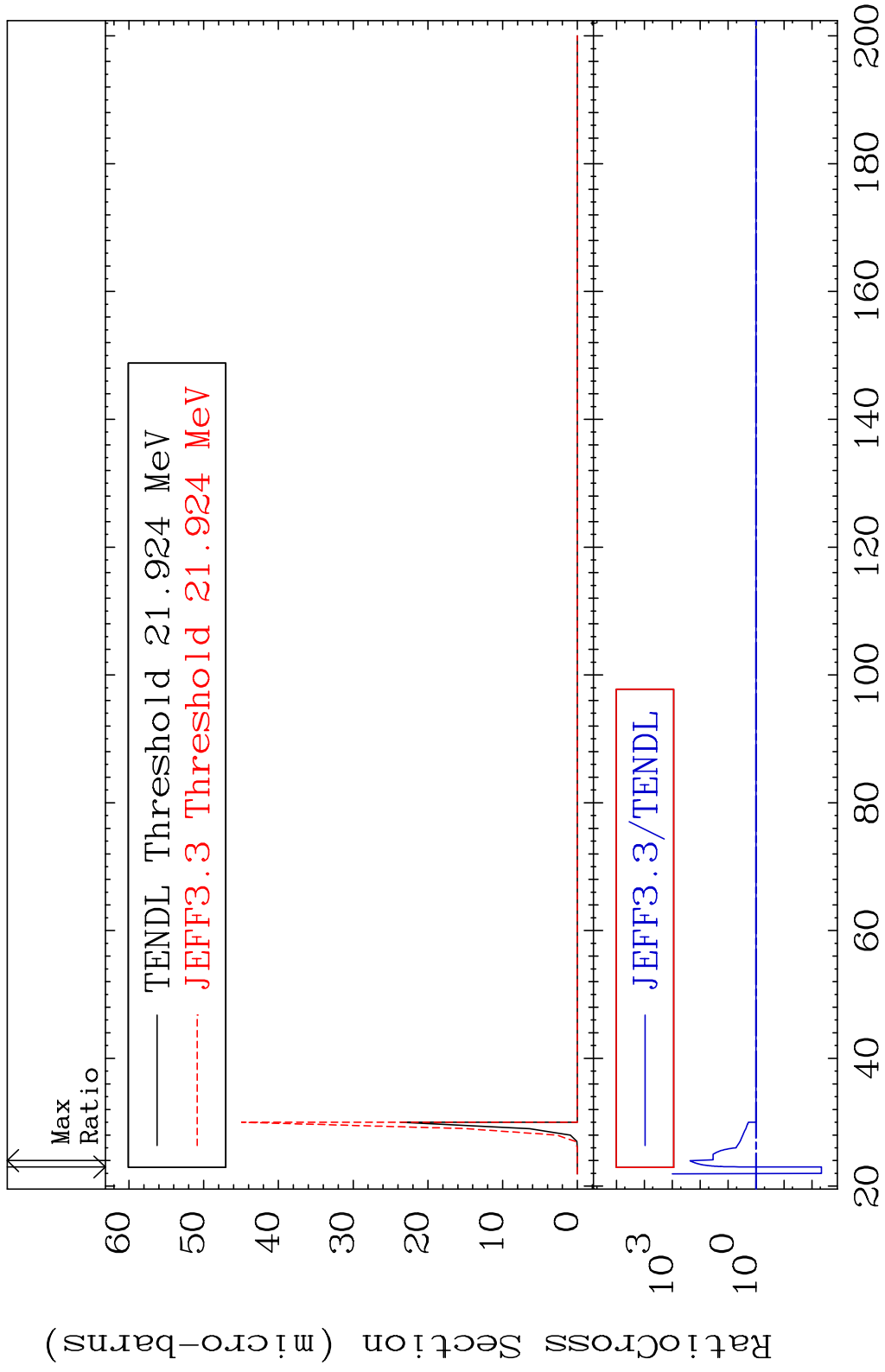


75 Incident Energy (MeV) 52-Te-129m

MAT 5253 (n,2n) d:51-Sb-126m1 52-Te-129m
 Radionuclide Production Cross Section 98.65 d to 9999. %

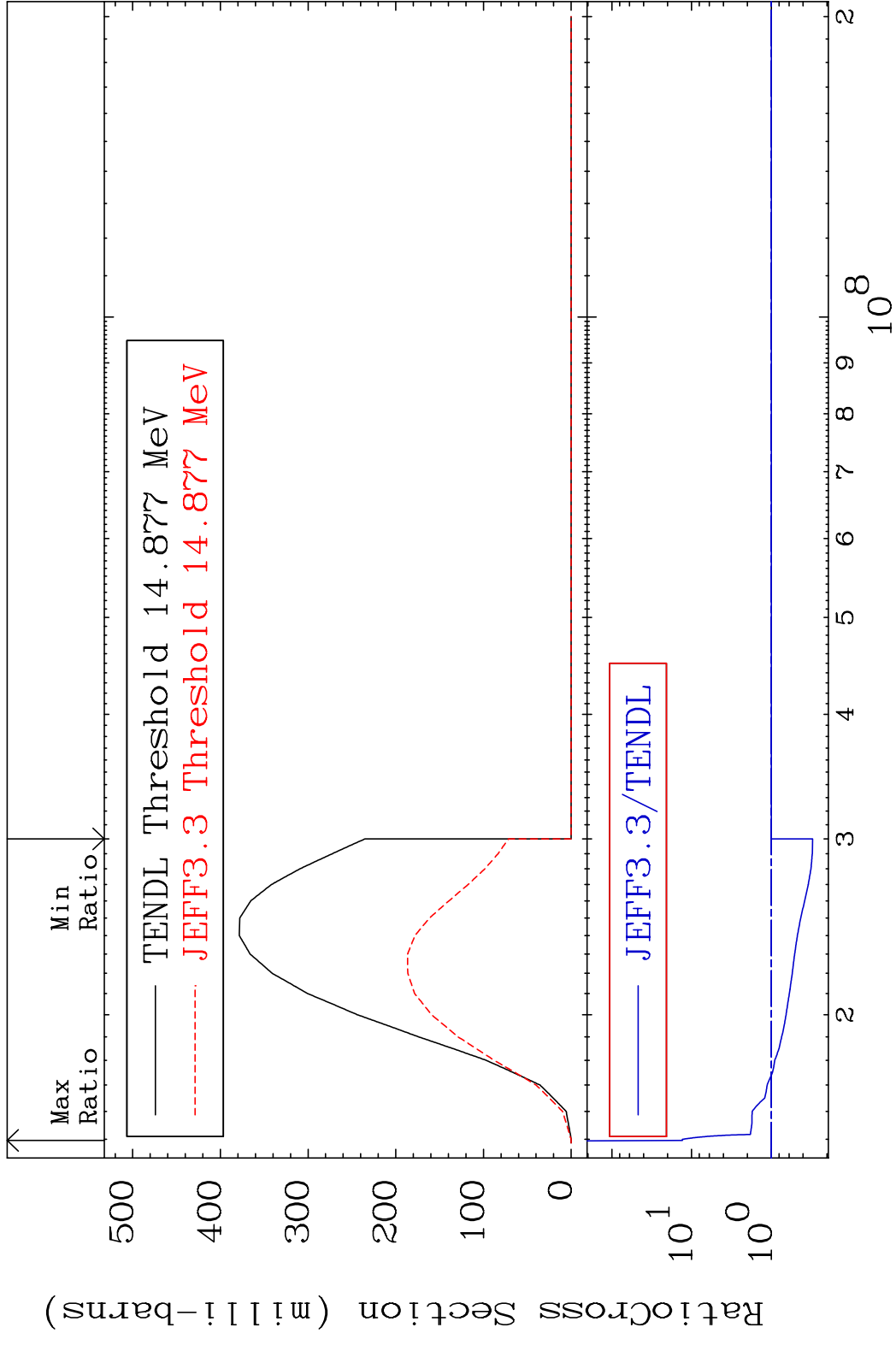


MAT 5253 (n,2n) d:51-Sb-126m2 52-Te-129m
 Radionuclide Production Cross Section 98.5410 9999. %

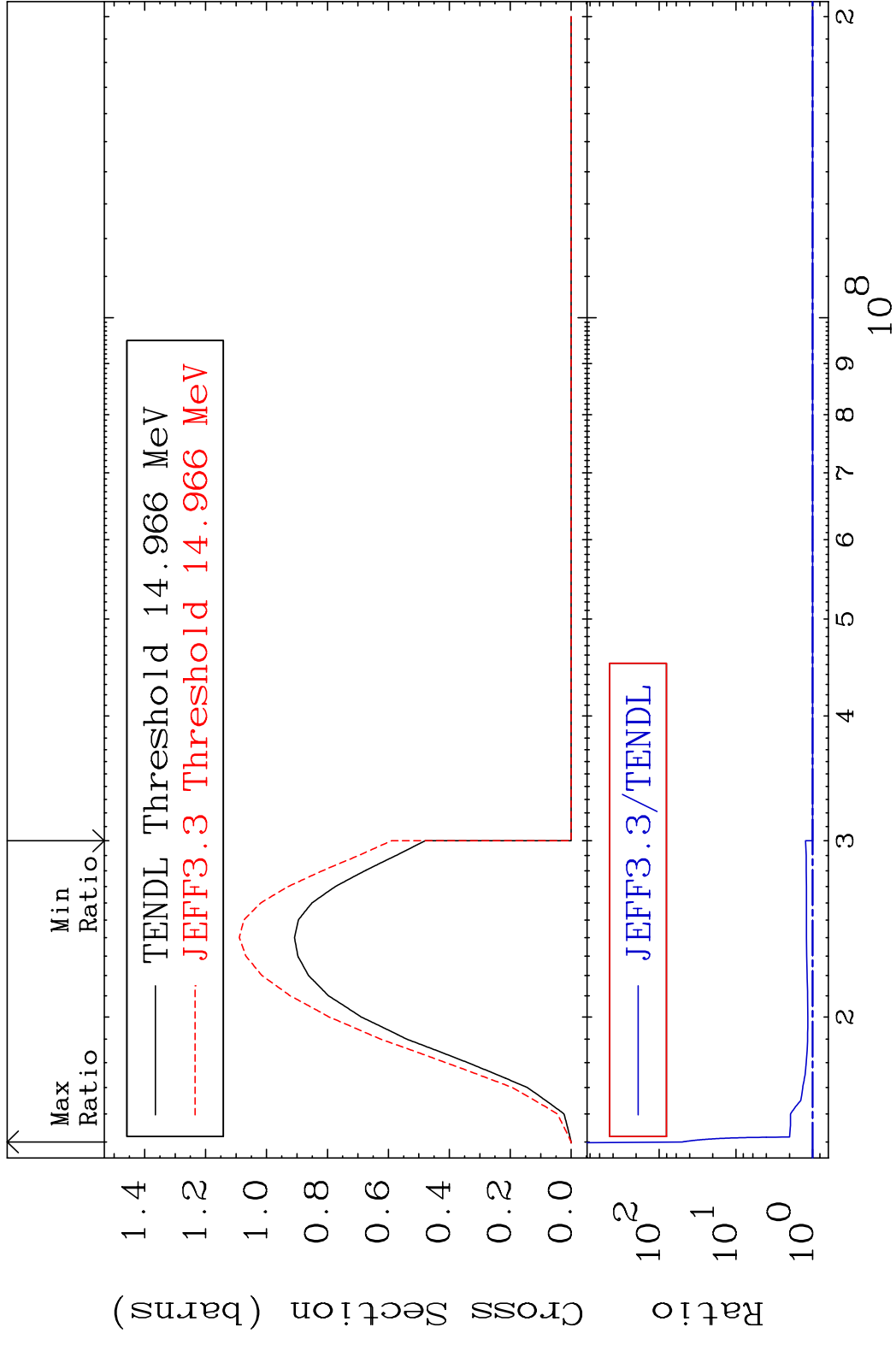


77 Incident Energy (MeV) 52-Te-129m

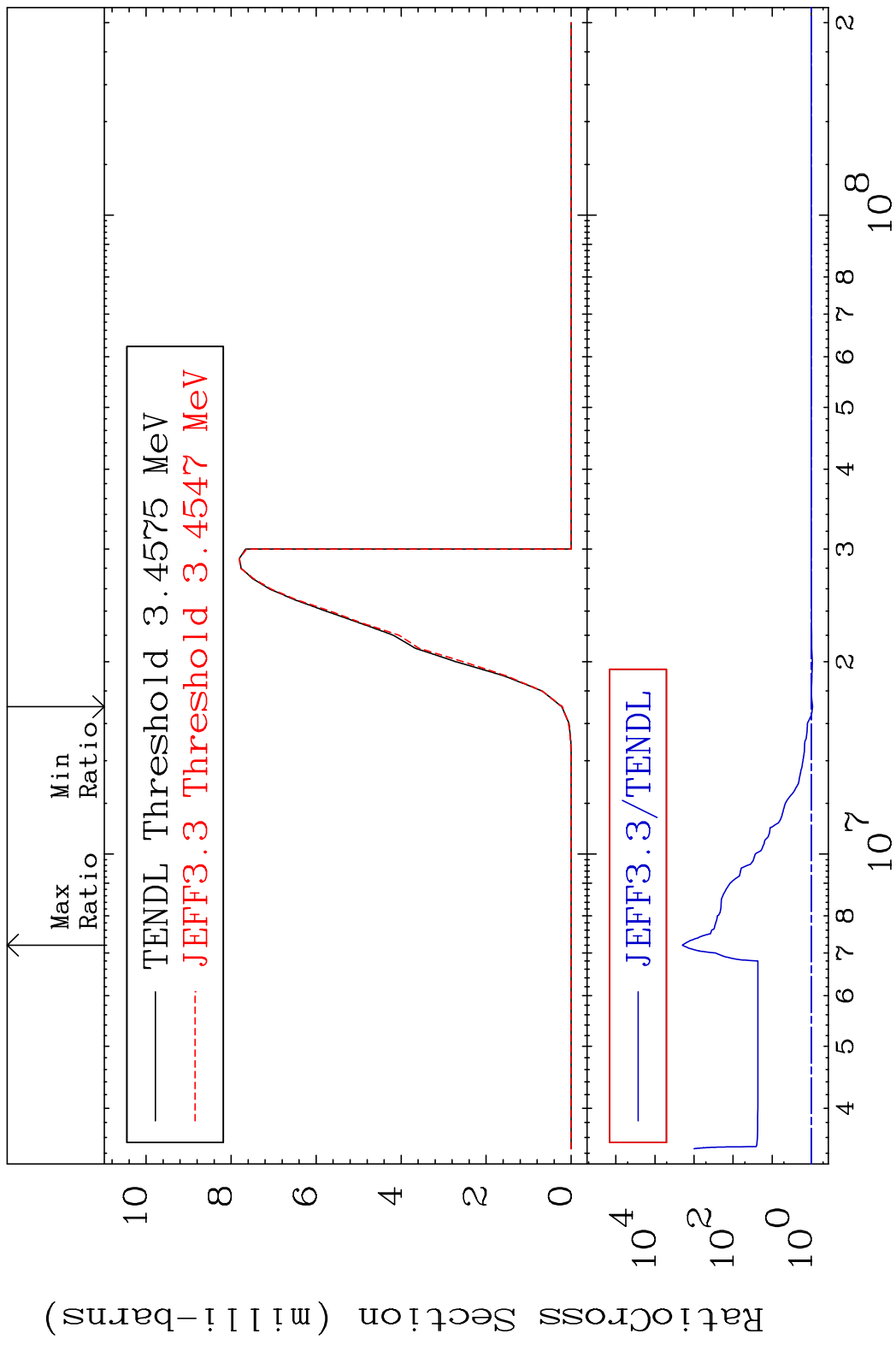
MAT 5253 (n,3n):52-Te-127g 52-Te-129m
 Radionuclide Production Cross Section 69.611 d10 1206. %



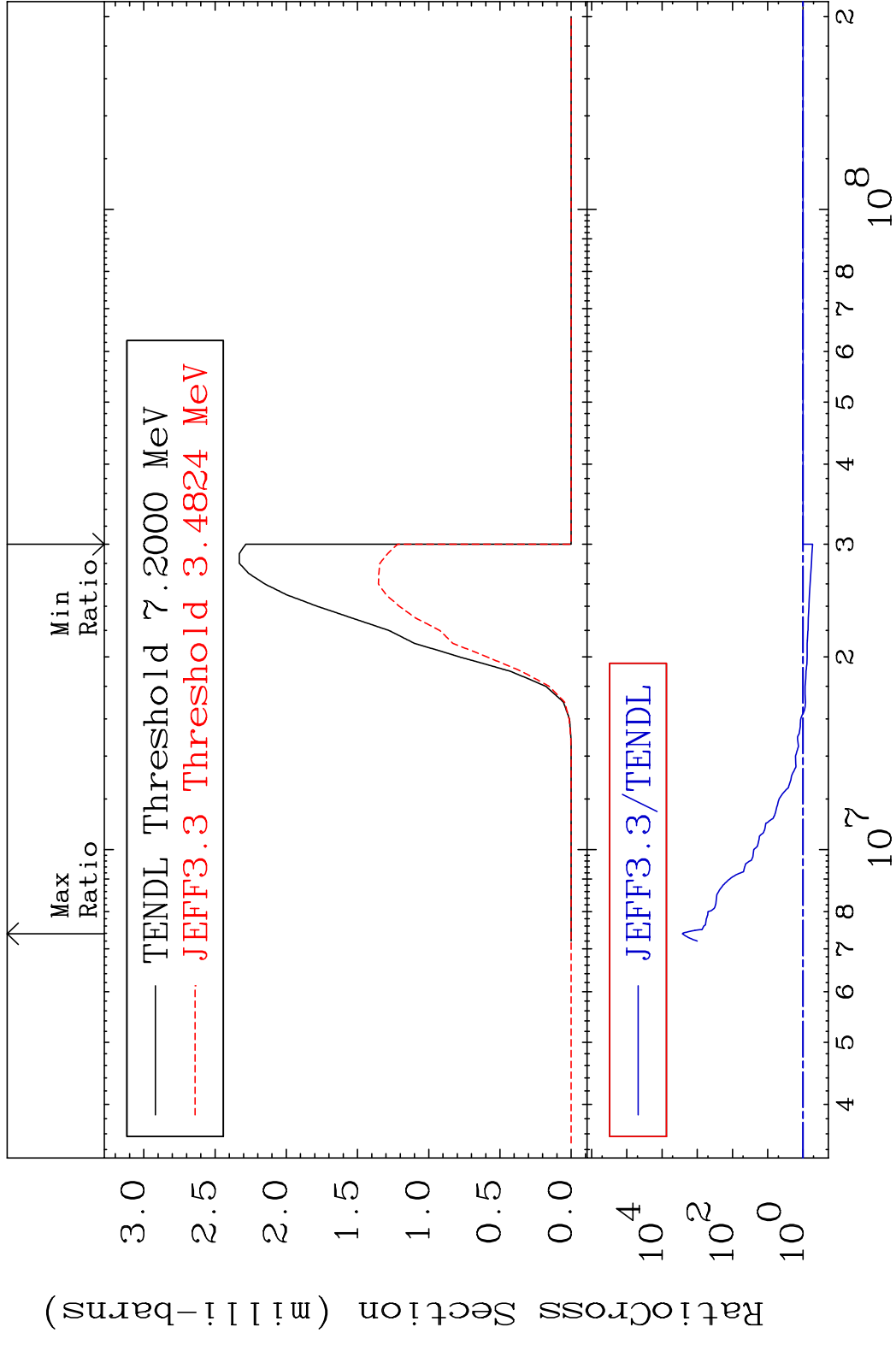
MAT 5253 (n, 3n):52-Te-127m2 52-Te-129m
 Radionuclide Production Cross Section 4887. %



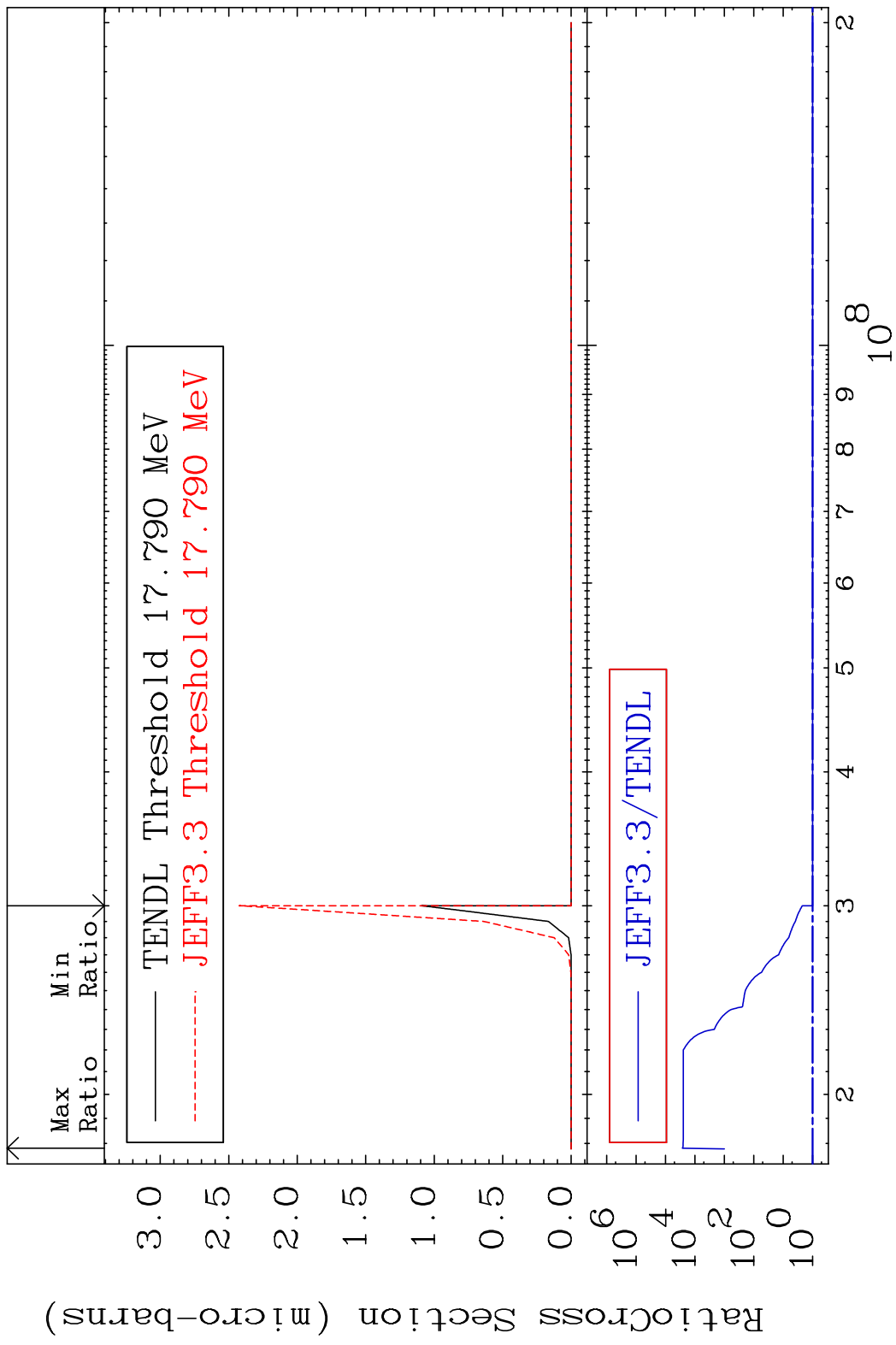
MAT 5253 (n, n') α :50-Sn-125g 52-Te-129m
 Radionuclide Production Cross Section to 9999. %



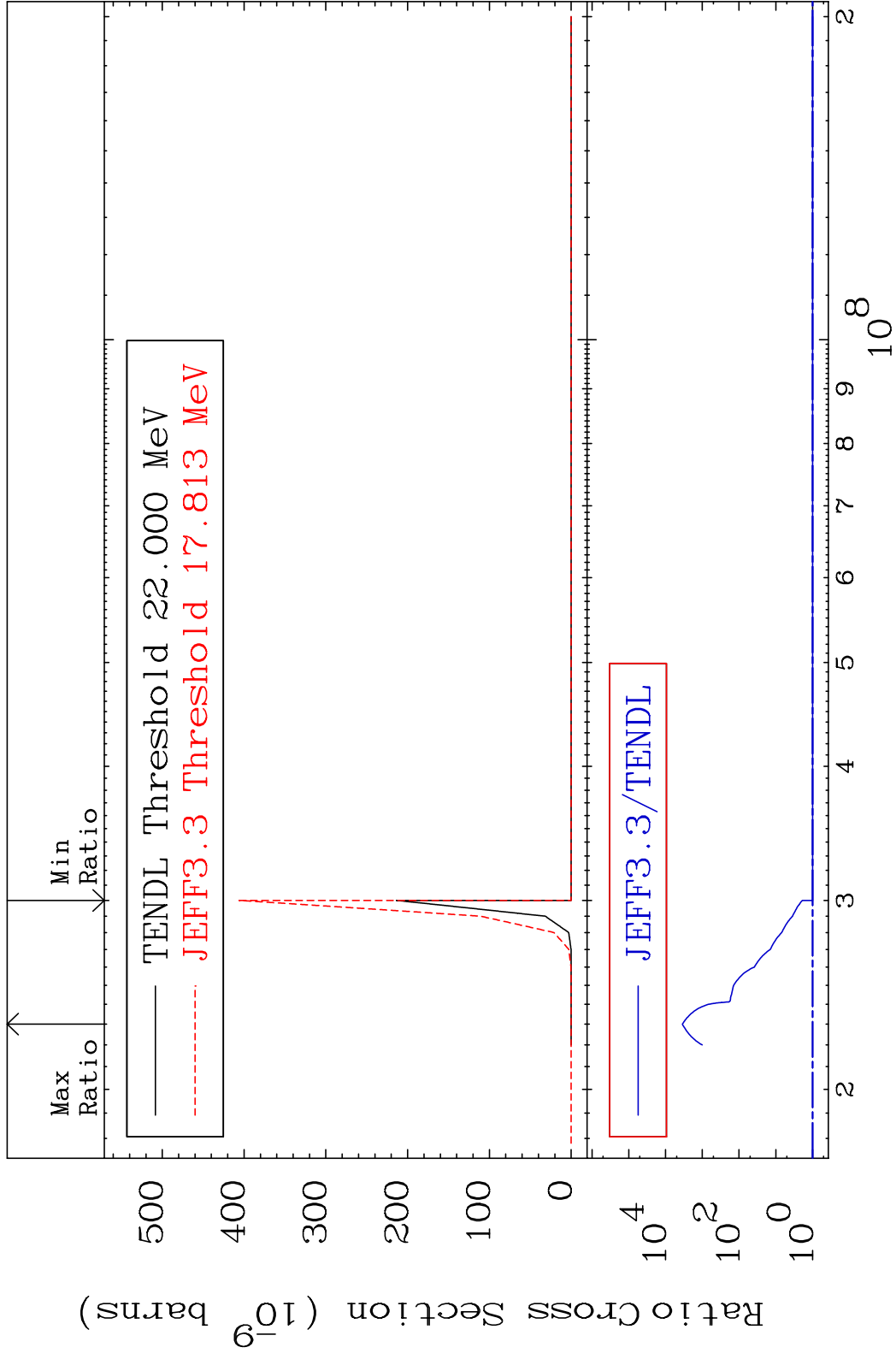
MAT 5253 (n, n') α :50-Sn-125m1 52-Te-129m
 Radionuclide Production Cross Section 486681 d10 9999. %



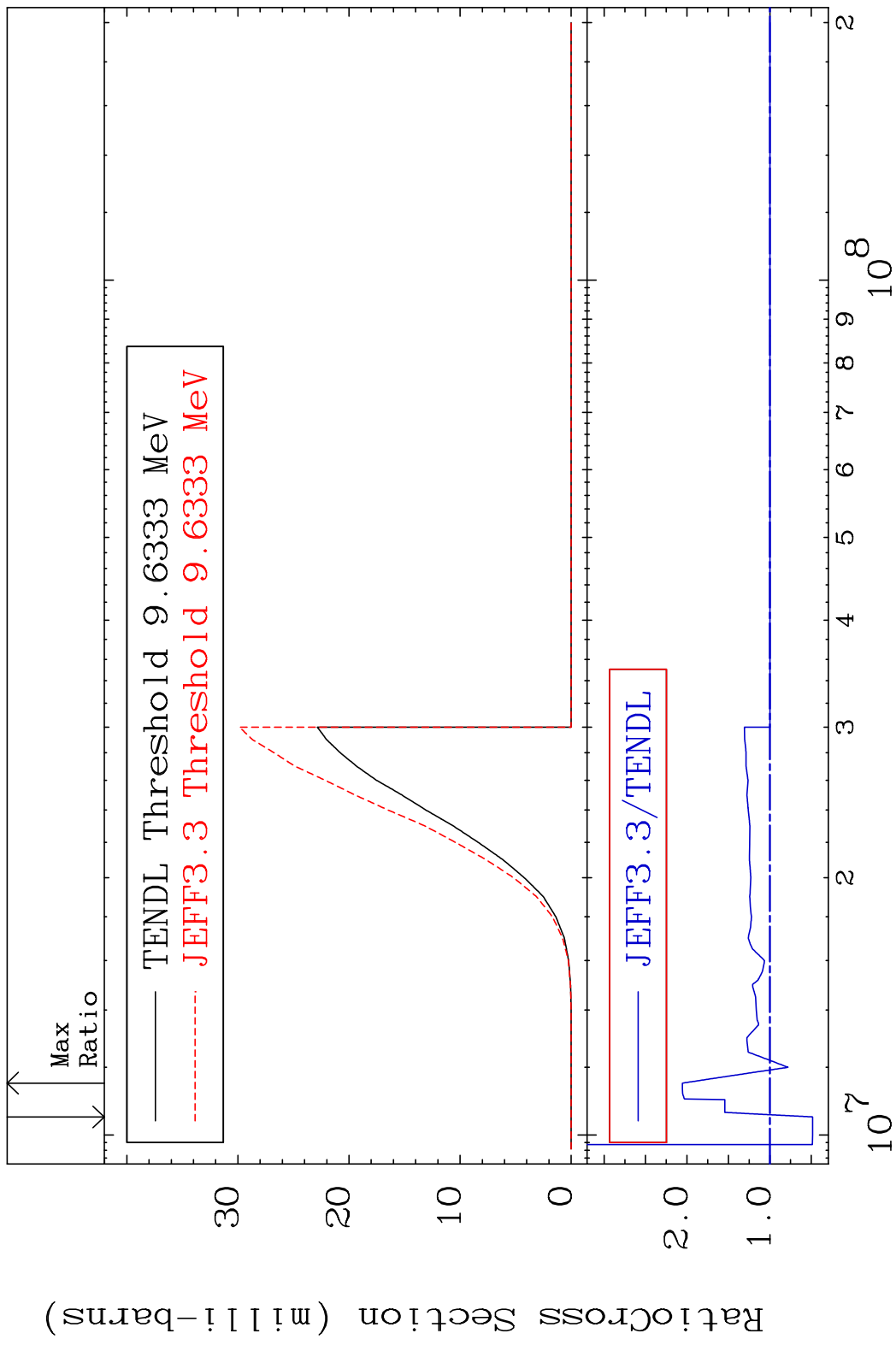
MAT 5253 (n,3n) α :50-Sn-123g 52-Te-129m
 Radionuclide Production Cross Section, %
 9999.0000



MAT 5253 (n,3n) α :50-Sn-123m1 52-Te-129m
 Radionuclide Production Cross Section, %

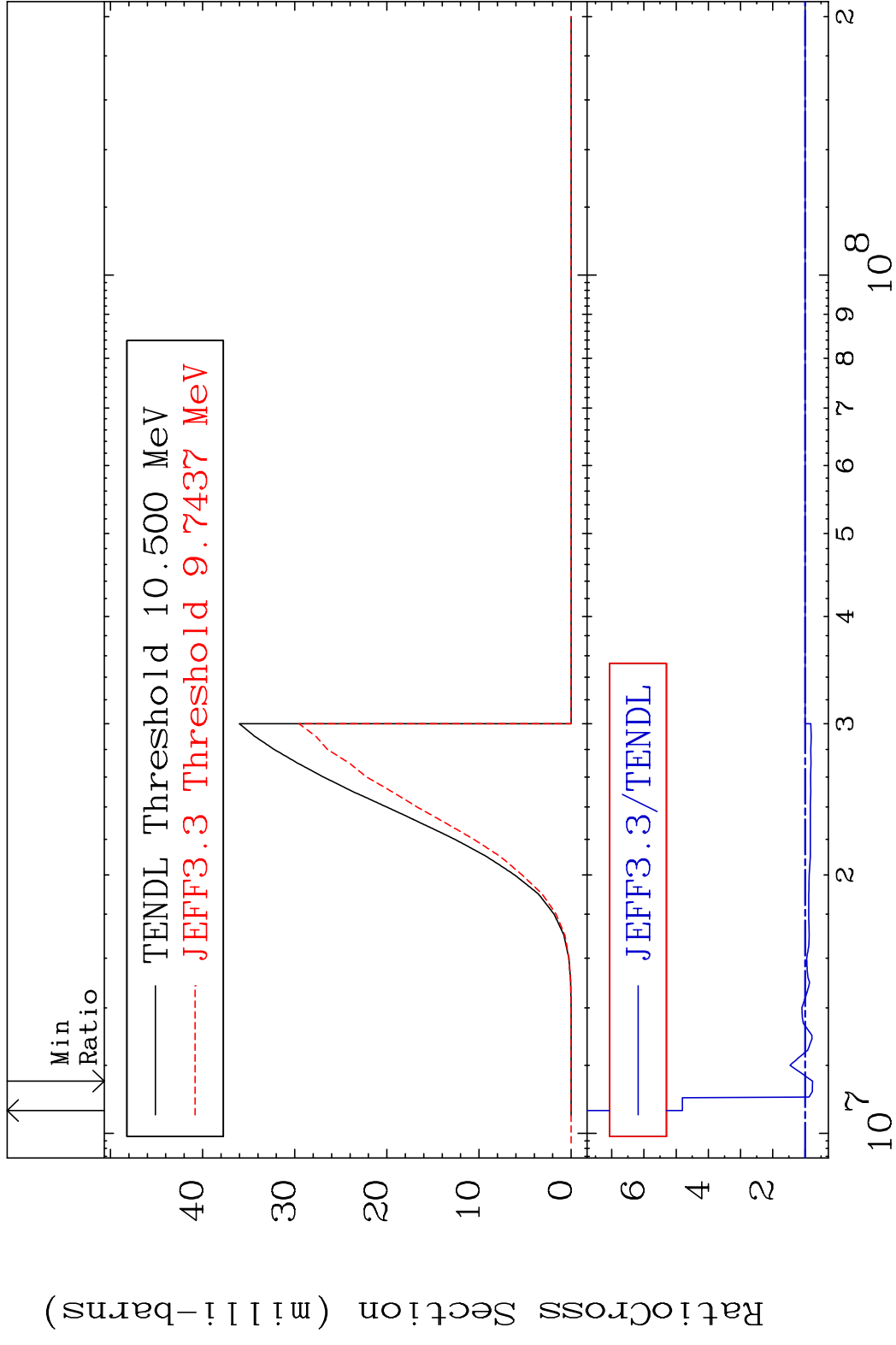


MAT 5253 (n, n') p:51-Sb-128g 52-Te-129m
 Radionuclide Production Cross Section 51.531 d to 105.6 %



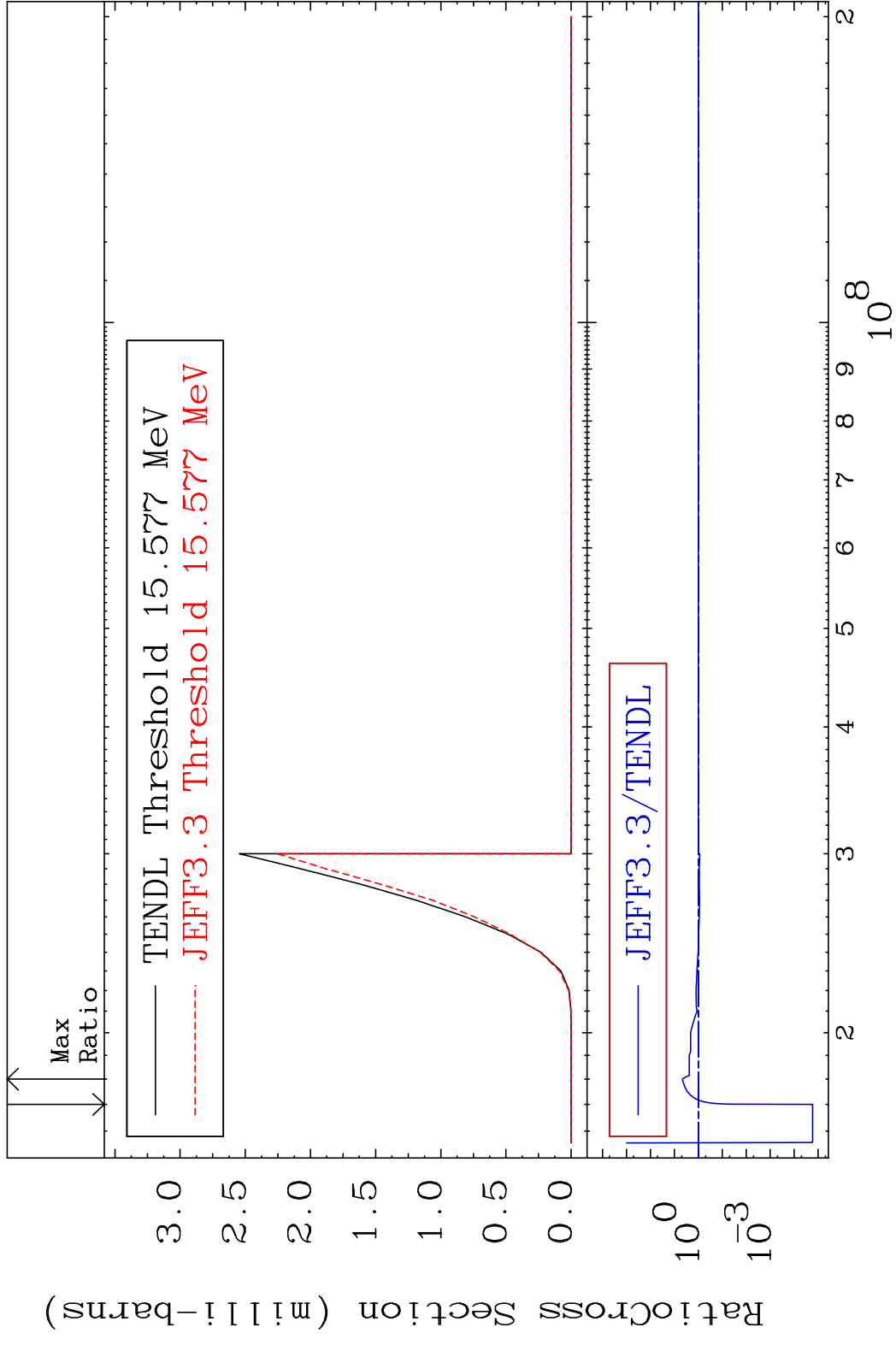
84 Incident Energy (eV) 52-Te-129m

MAT 5253 (n, n') p:51-Sb-128m1 52-Te-129m
 Radionuclide Production Cross Section to 380.7 %

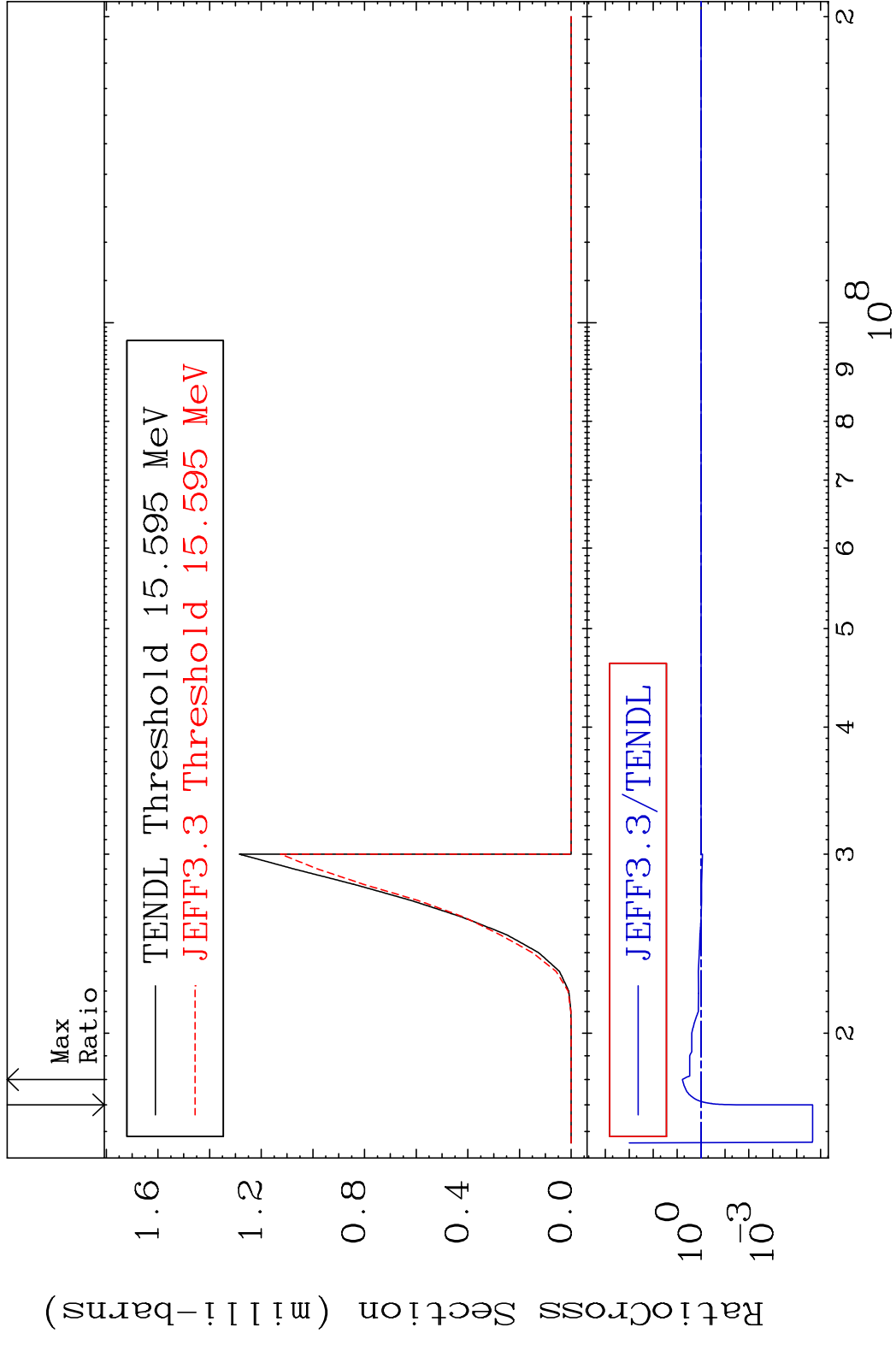


85 Incident Energy (eV) 52-Te-129m

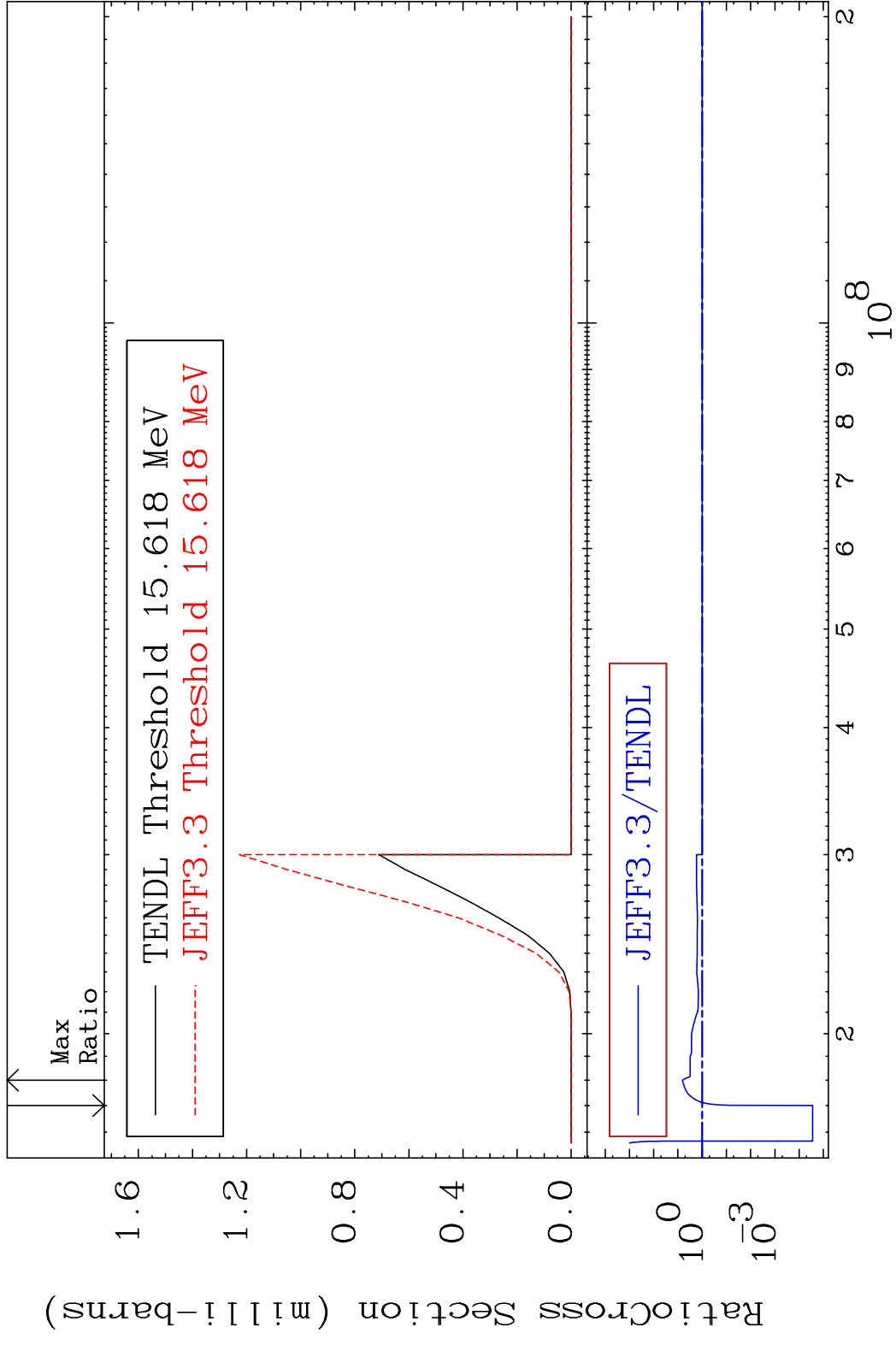
MAT 5253 (n, n') t:51-Sb-126g 52-Te-129m
 Radionuclide Production Cross Section 180.0 dth 364.7 %



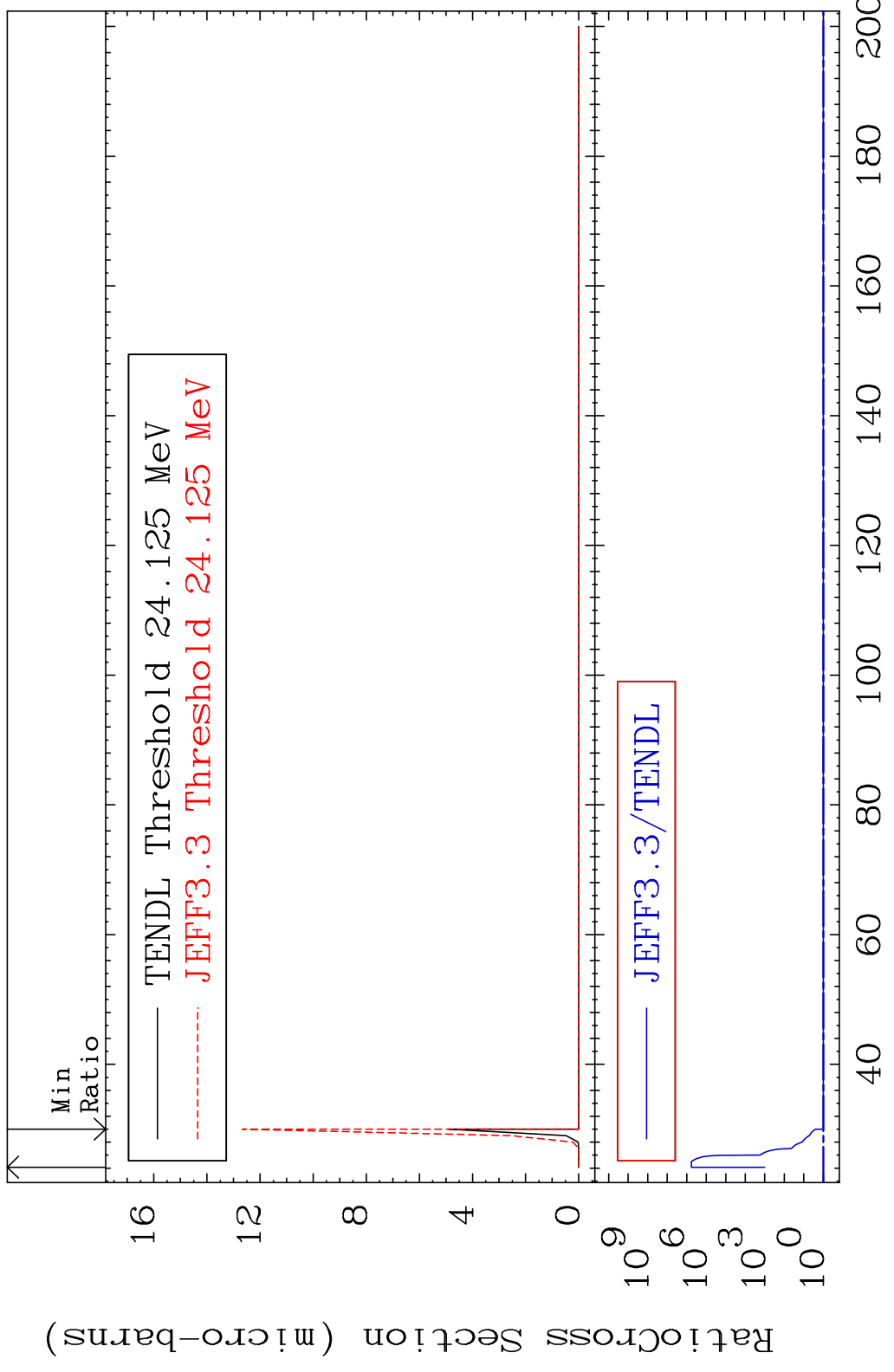
MAT 5253 (n, n') t:51-Sb-126m1 52-Te-129m
 Radionuclide Production Cross Section to 503.4 %



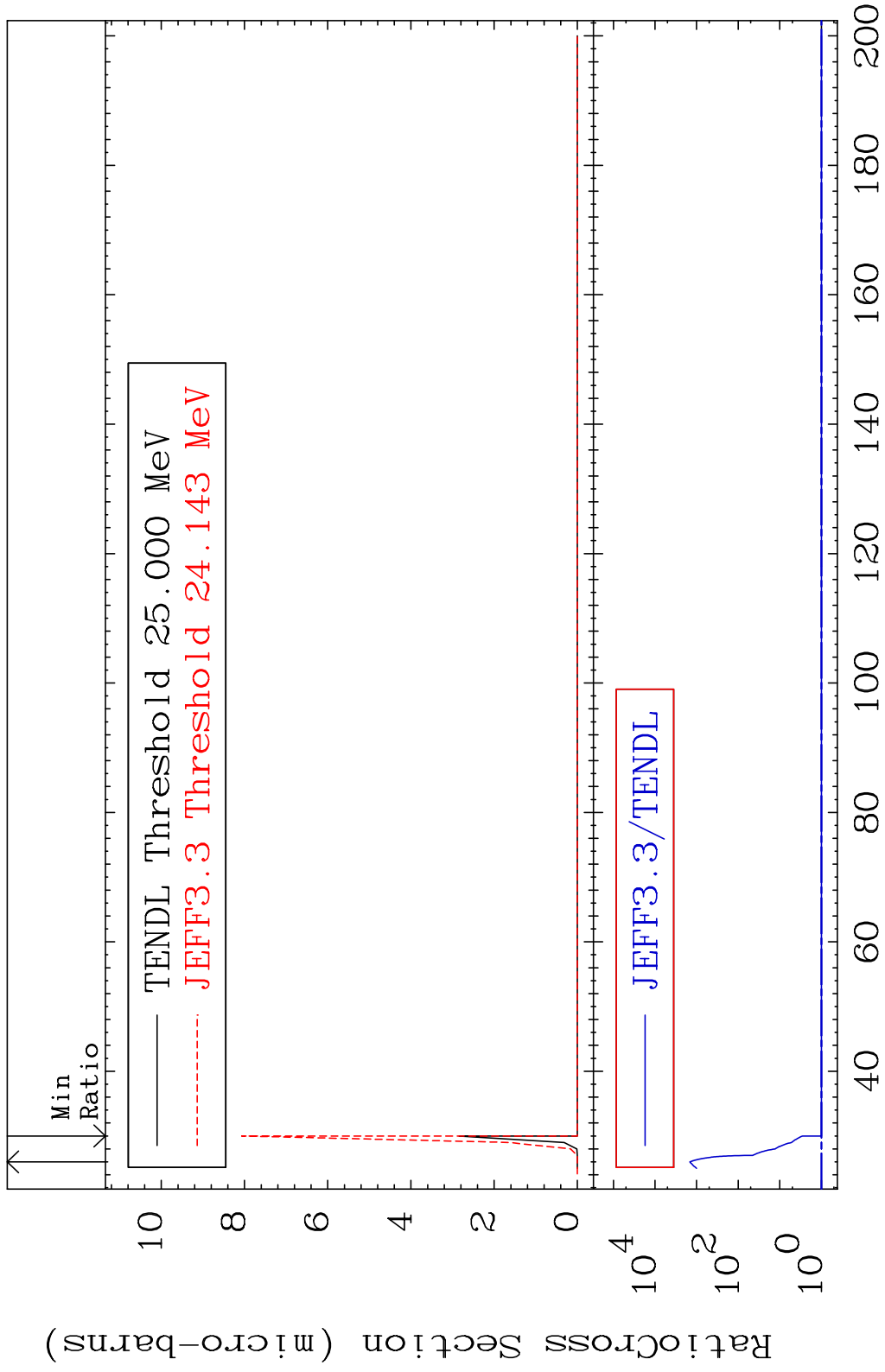
MAT 5253 (n, n') t:51-Sb-126m2 52-Te-129m
 Radionuclide Production Cross Section to 556.9 %



MAT 5253 (n,3n) p:51-Sb-126g 52-Te-129m
 Radionuclide Production Cross Section, %

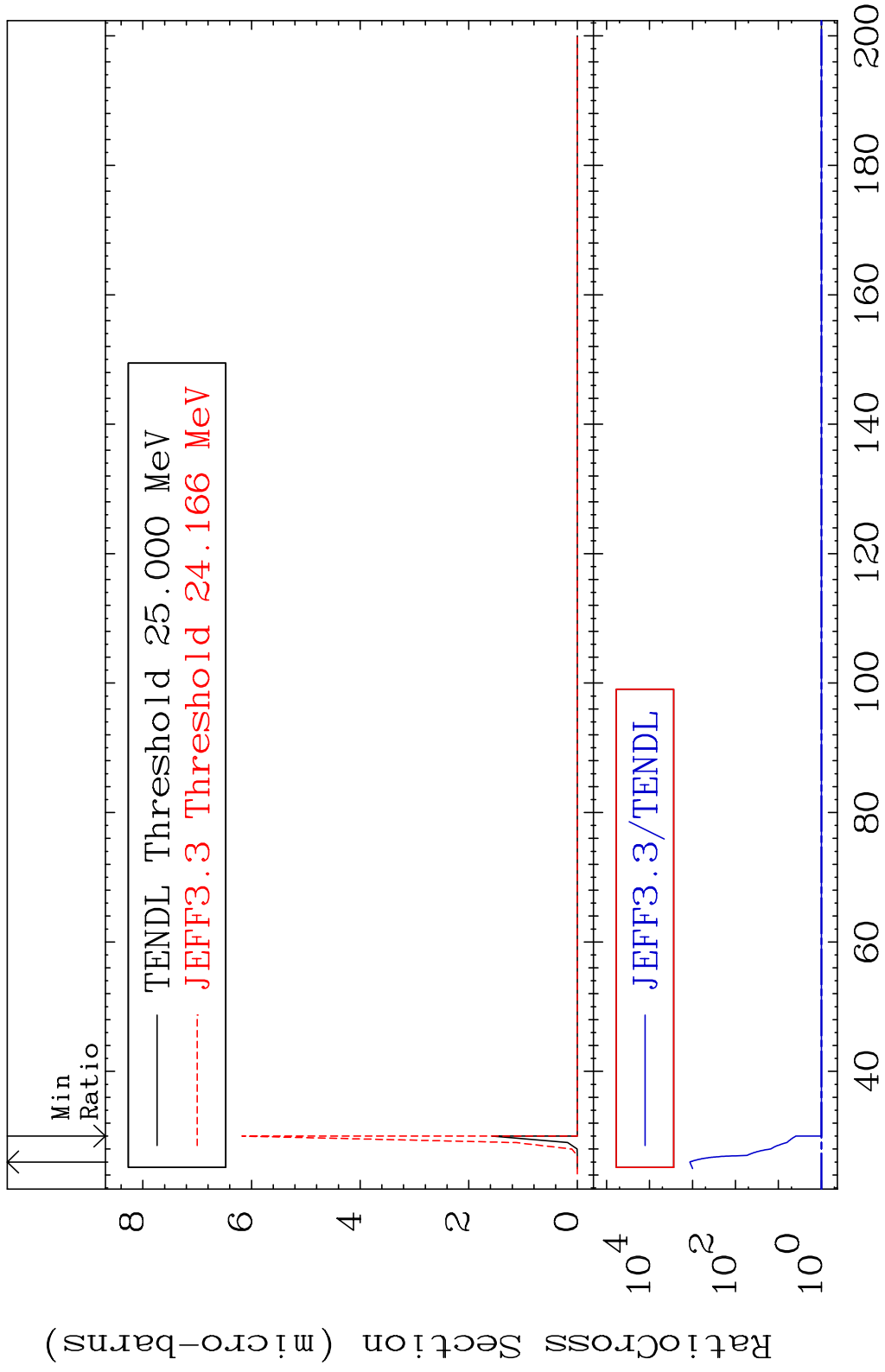


MAT 5253 (n,3n) p:51-Sb-126m1 52-Te-129m
 Radionuclide Production Cross Section, % Valid 9999. %

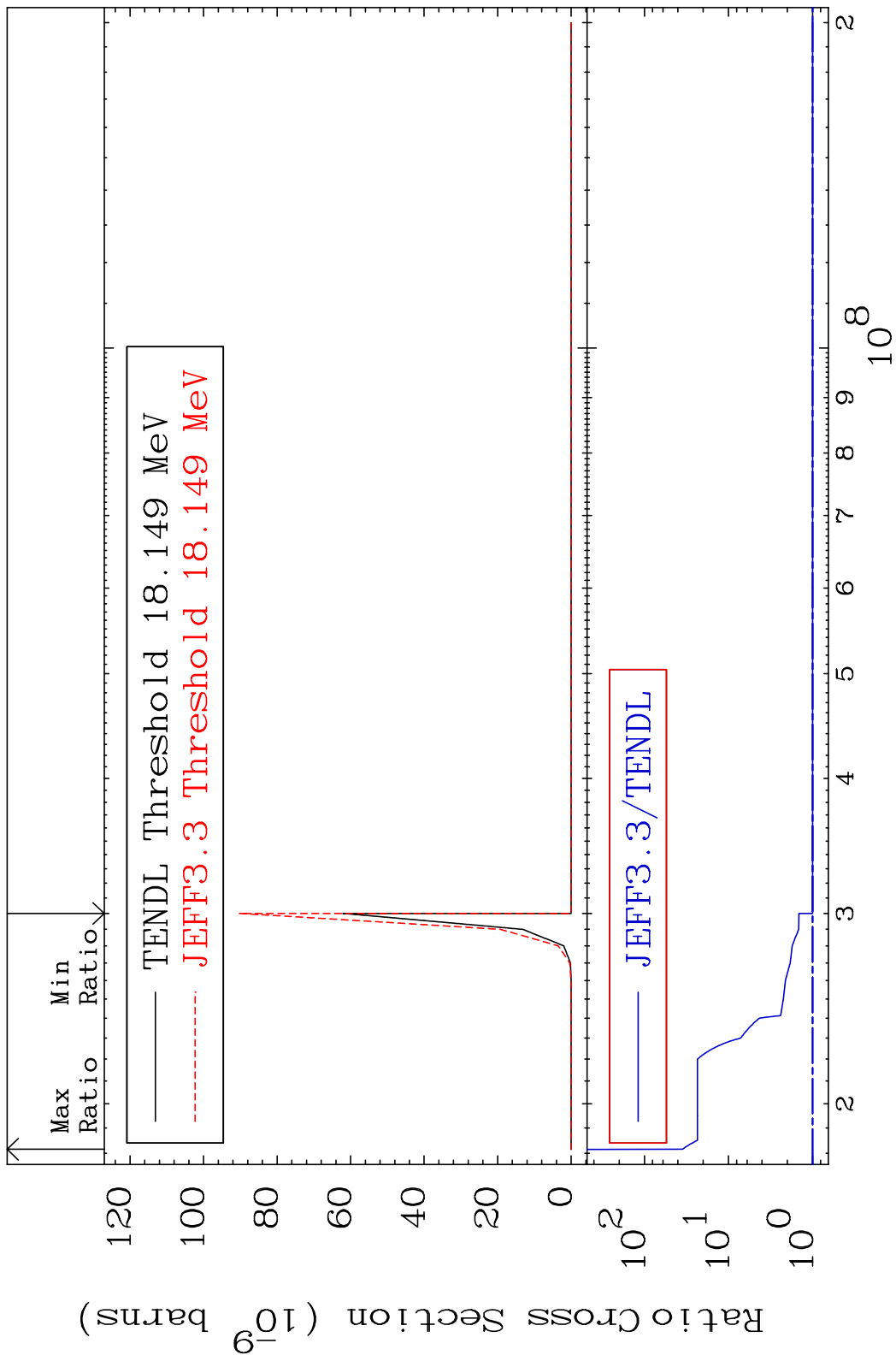


90 Incident Energy (MeV) 52-Te-129m

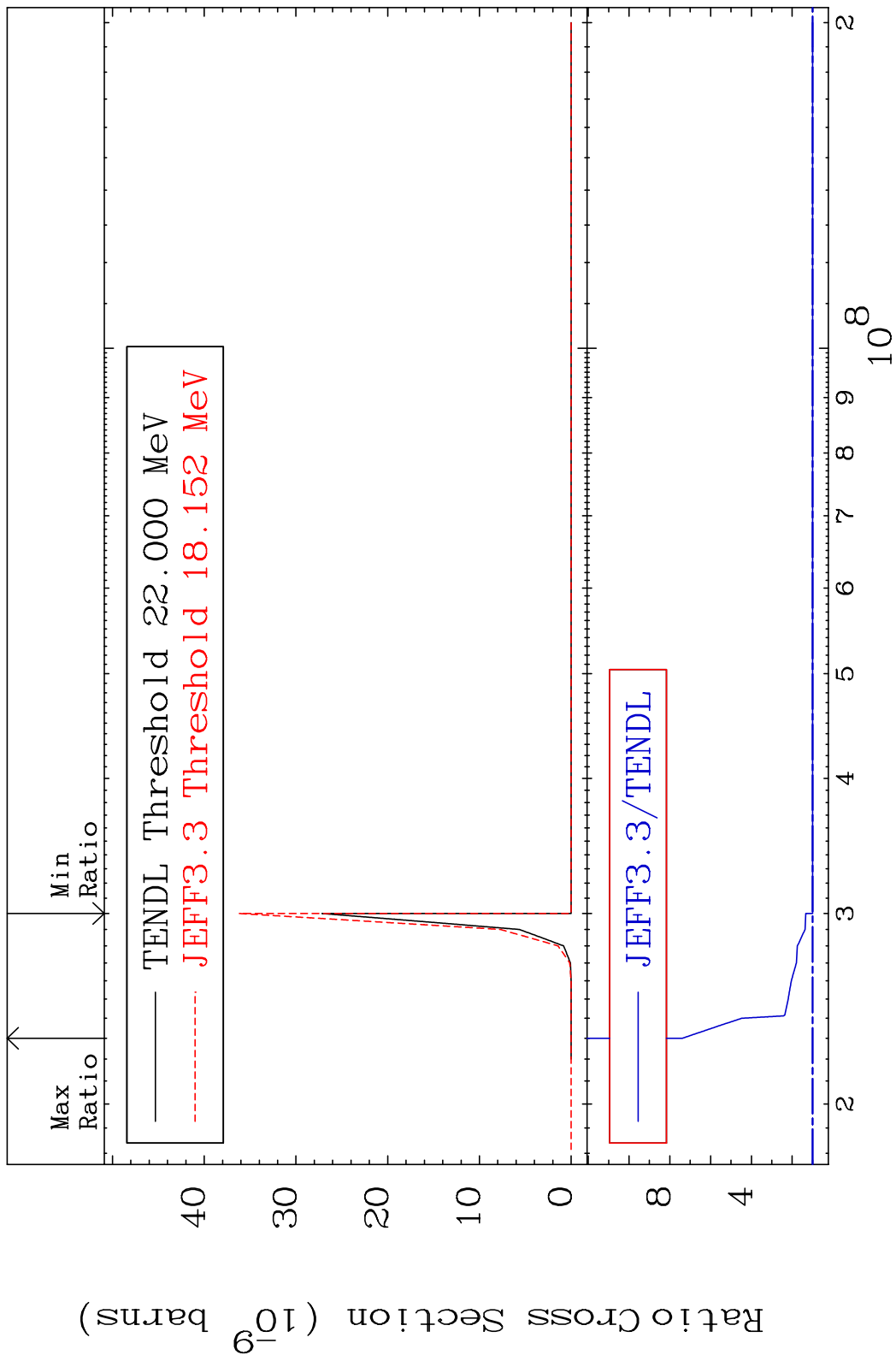
MAT 5253 (n,3n) p:51-Sb-126m2 52-Te-129m
 Radionuclide Production Cross Section, %



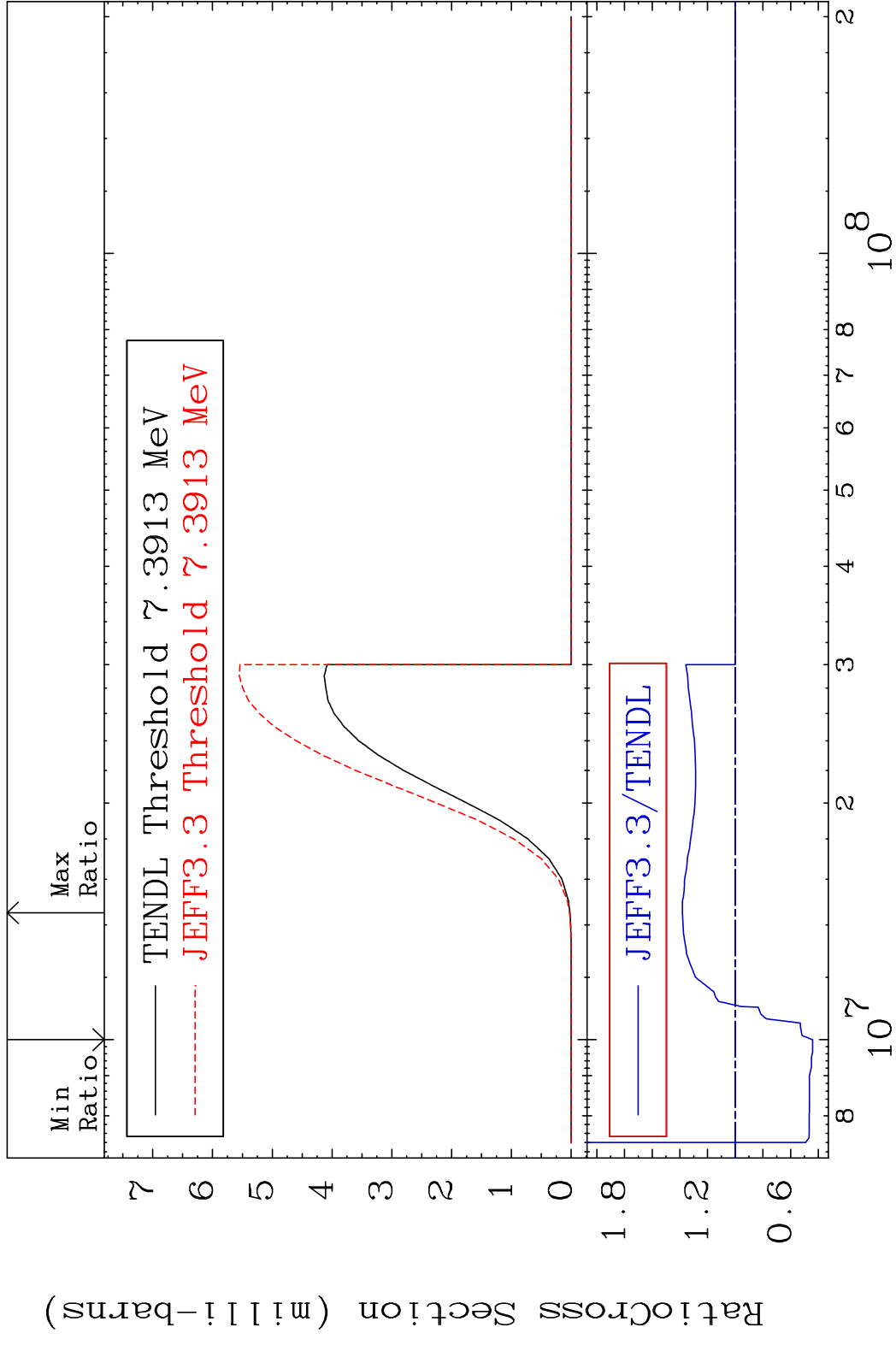
MAT 5253 (n,2n) p:50-Sn-127g 52-Te-129m
 Radionuclide Production Cross Section 3440. %



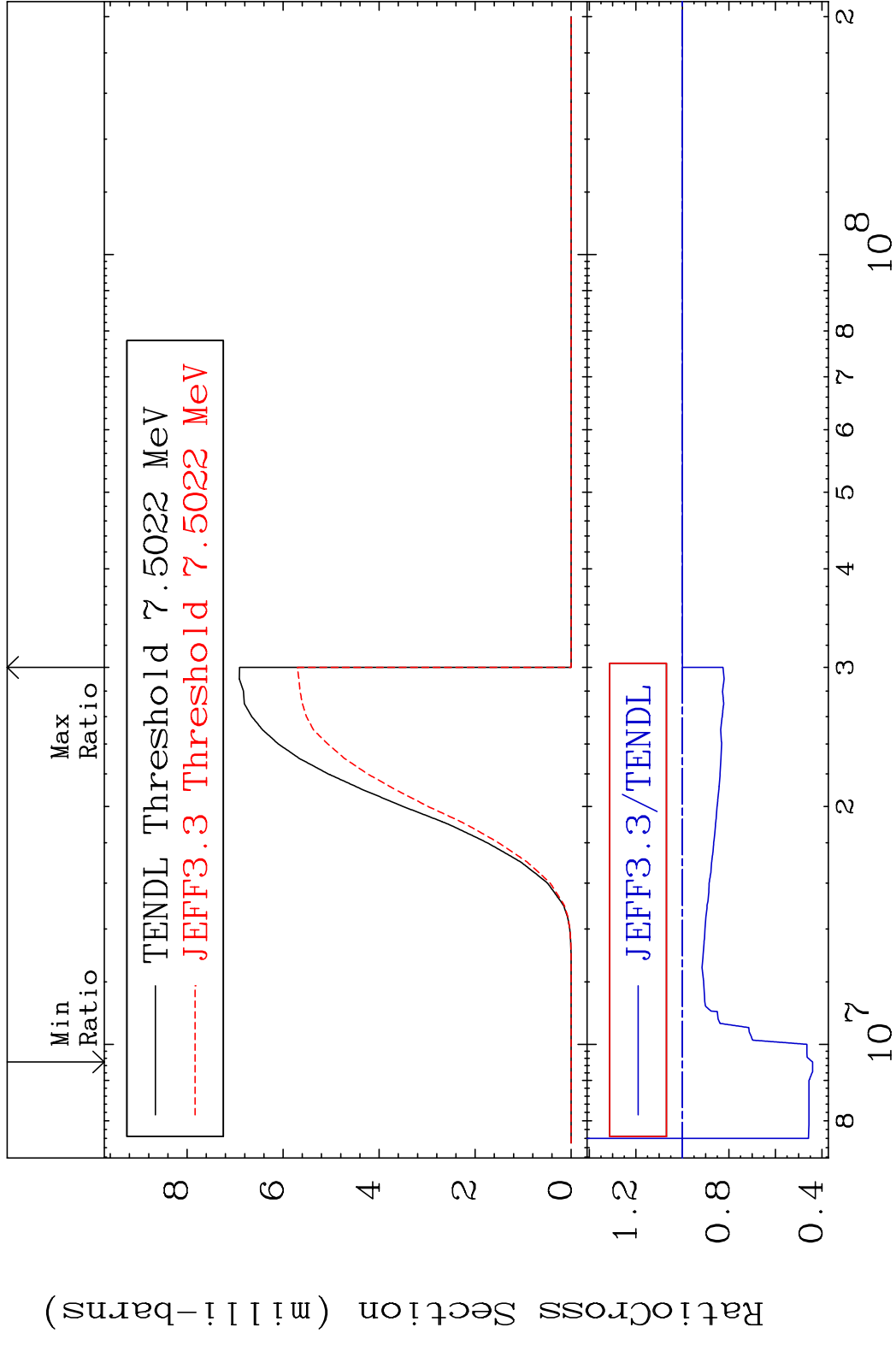
MAT 5253 (n,2n) p:50-Sn-127m1 52-Te-129m
 Radionuclide Production Cross Section 638.5 %



MAT 5253 (n,d):51-Sb-128g 52-Te-129m
 Radionuclide Production Cross Section 55.641 d to 38.21 %

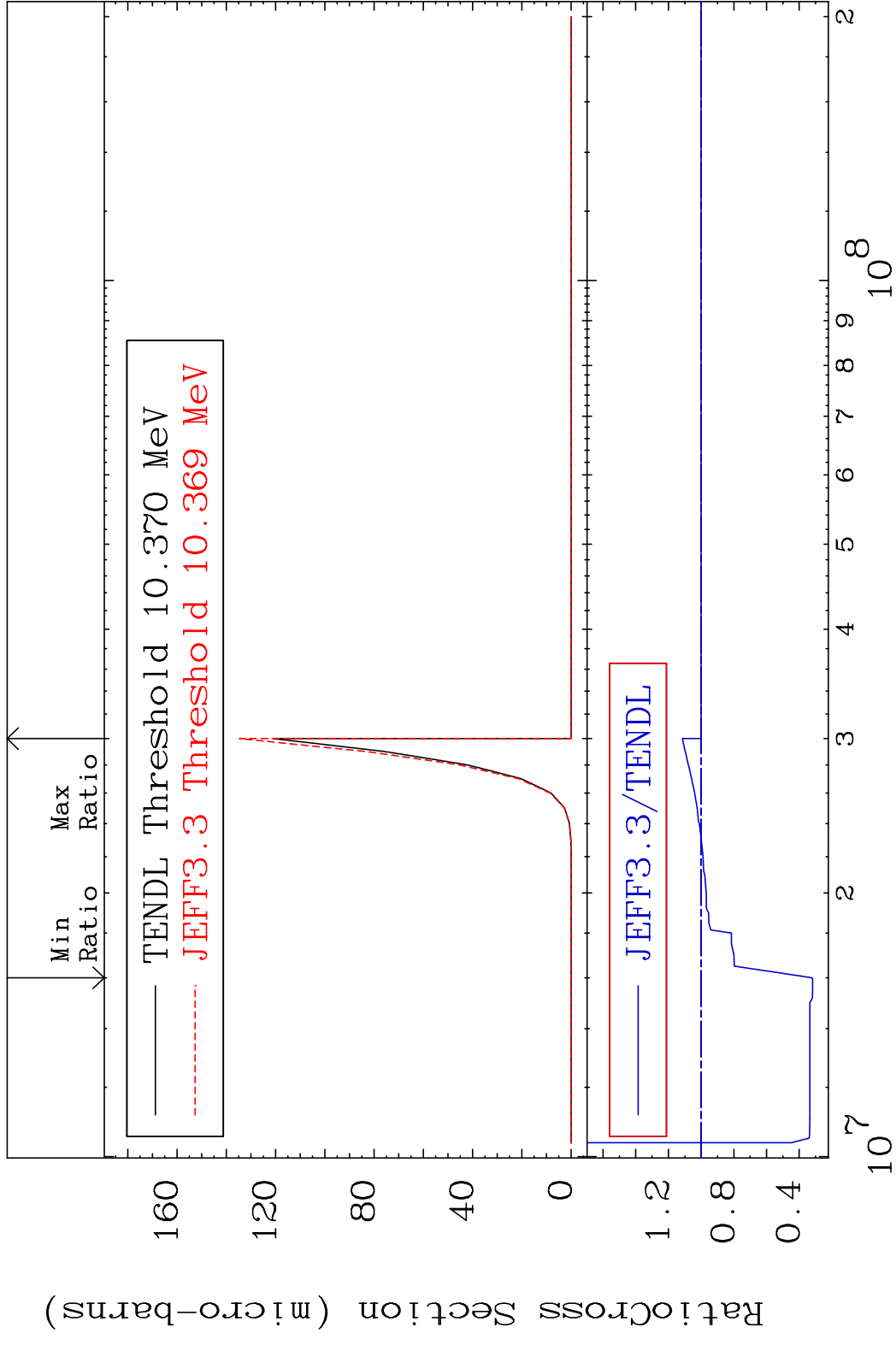


MAT 5253 (n,d):51-Sb-128m1 52-Te-129m
 Radionuclide Production Cross Section 52-Te-129m 0.000 %



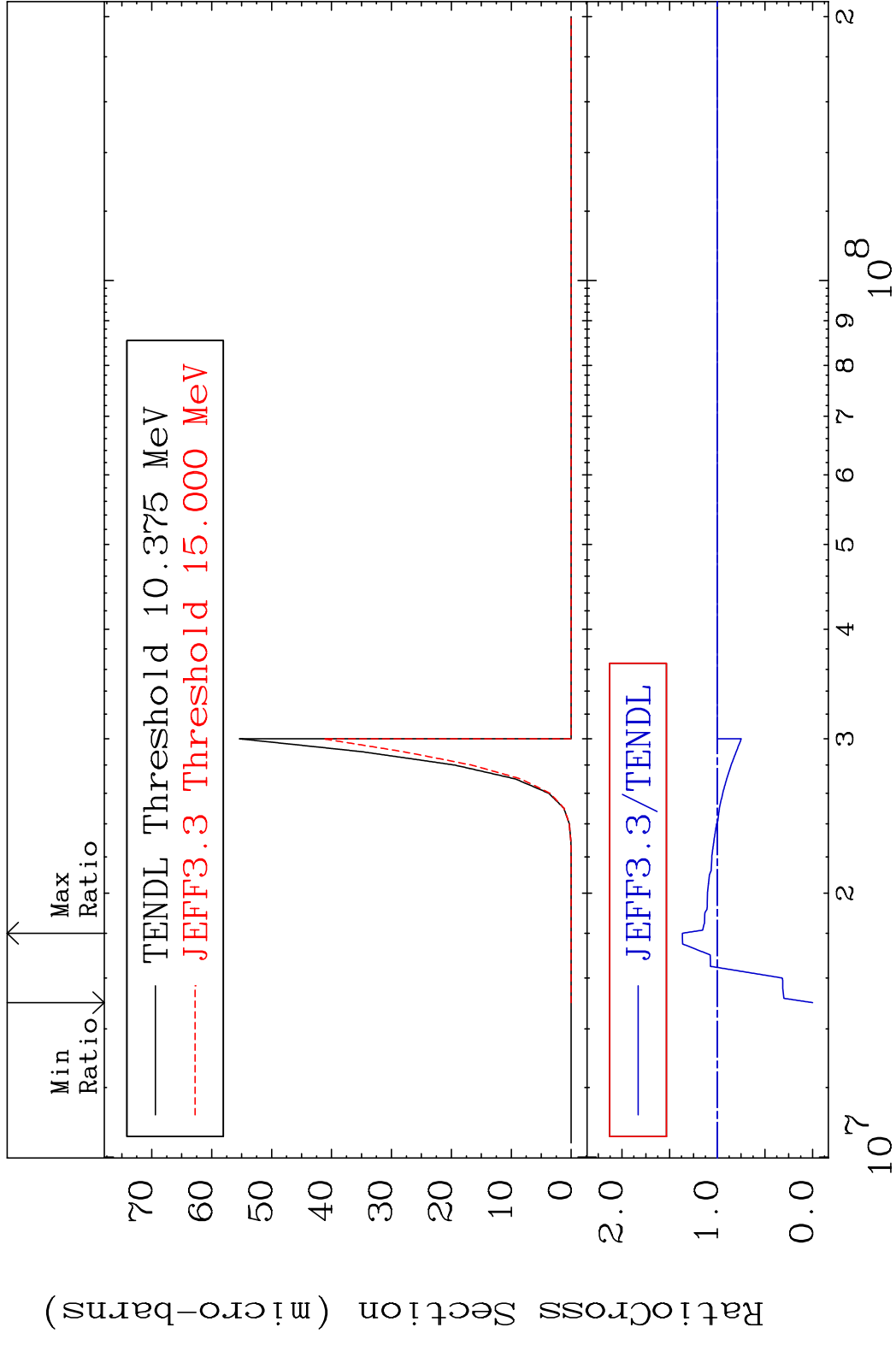
95 Incident Energy (eV) 52-Te-129m

MAT 5253 (n, He-3): 50-Sn-127g 52-Te-129m
 Radionuclide Production Cross Section 68.68 mb 11.49 %

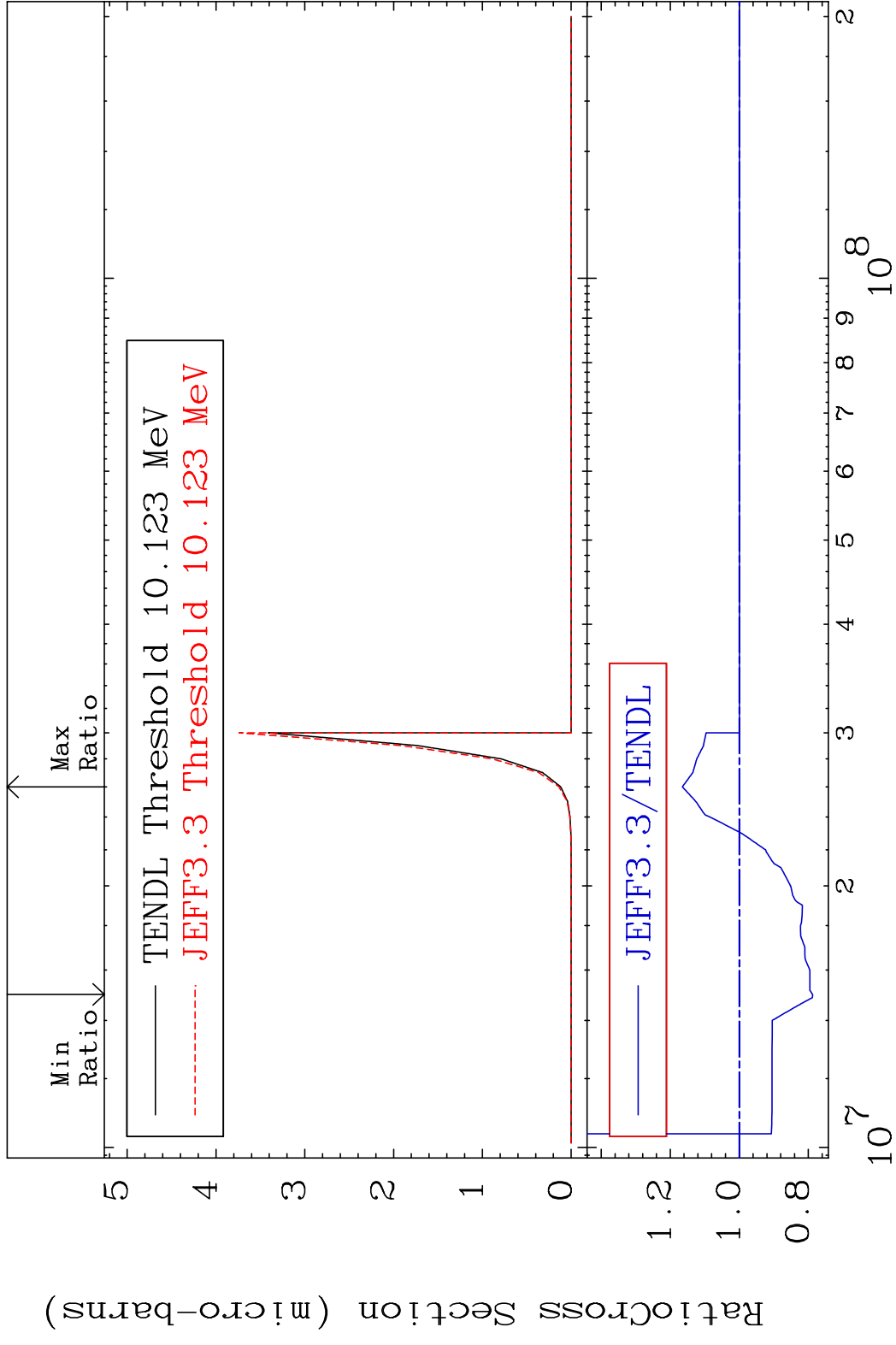


96 Incident Energy (eV) 52-Te-129m

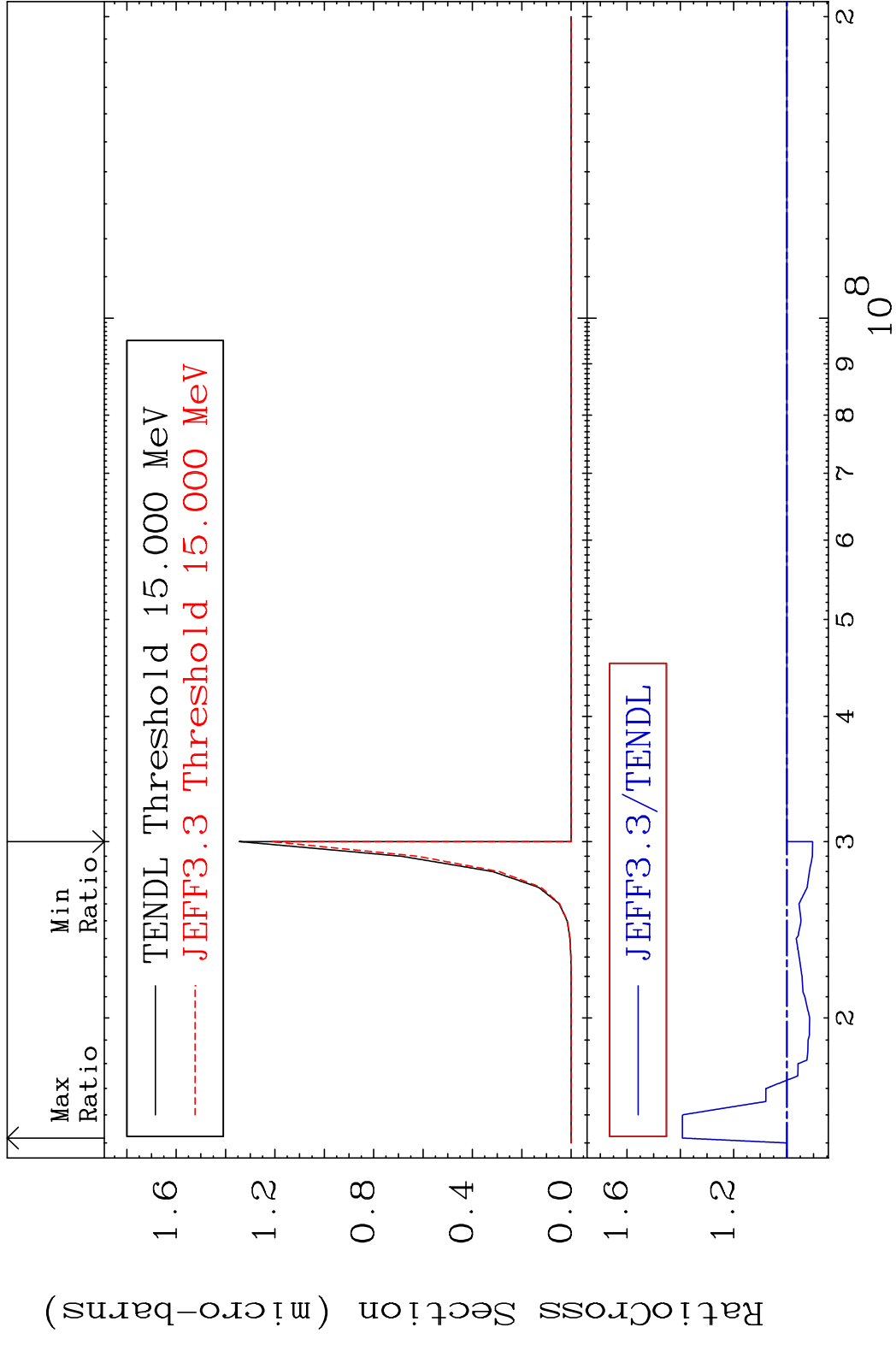
MAT 5253 (n, He-3) : 50-Sn-127m1 52-Te-129m
 Radionuclide Production Cross Section 180.01 d10 36.65 %



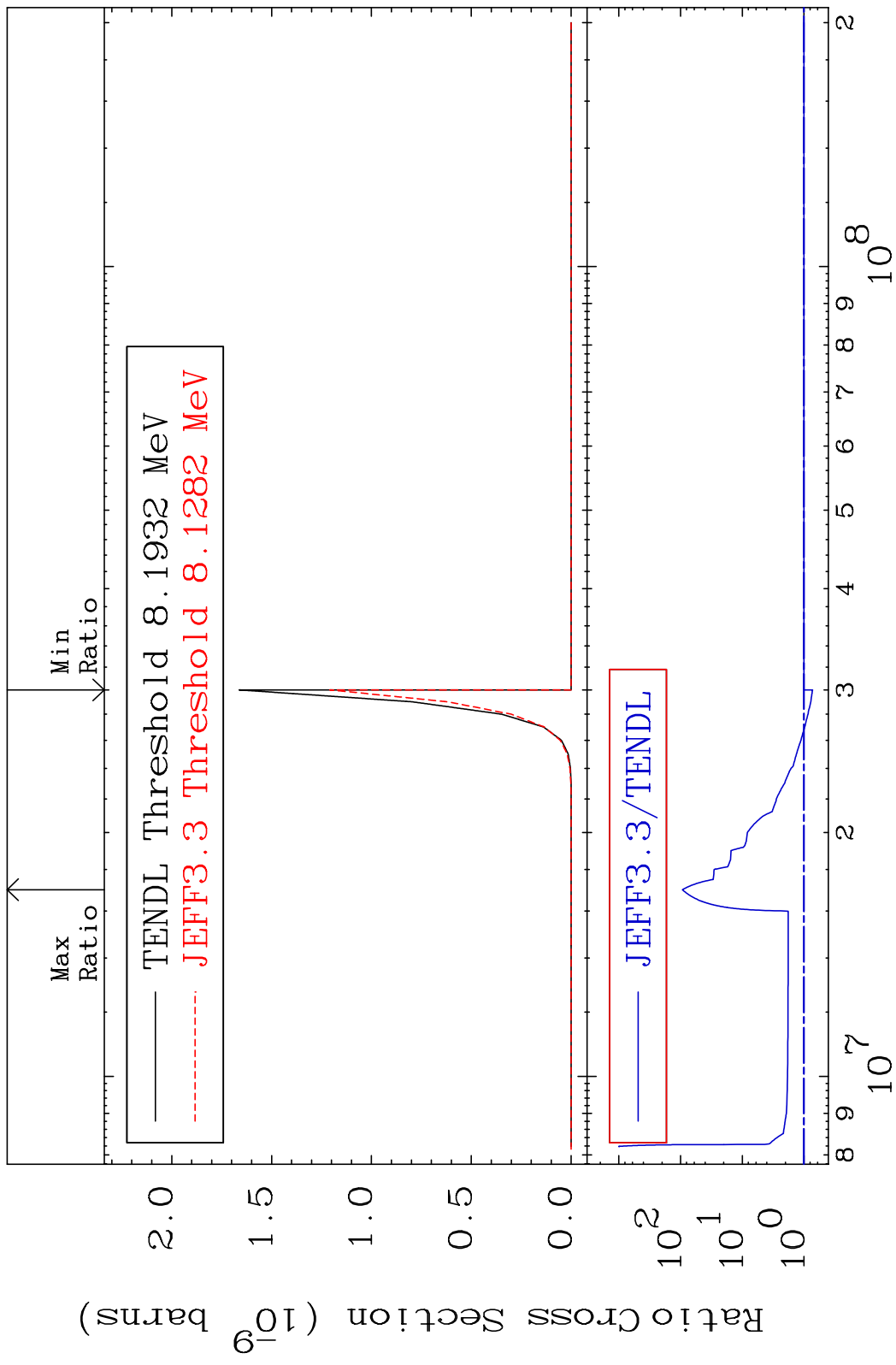
MAT 5253 (n,2p):50-Sn-128g 52-Te-129m
 Radionuclide Production Cross Section 16.50 %



MAT 5253 (n,2p):50-Sn-128m3 52-Te-129m
 Radionuclide Production Cross Section 39.21 %

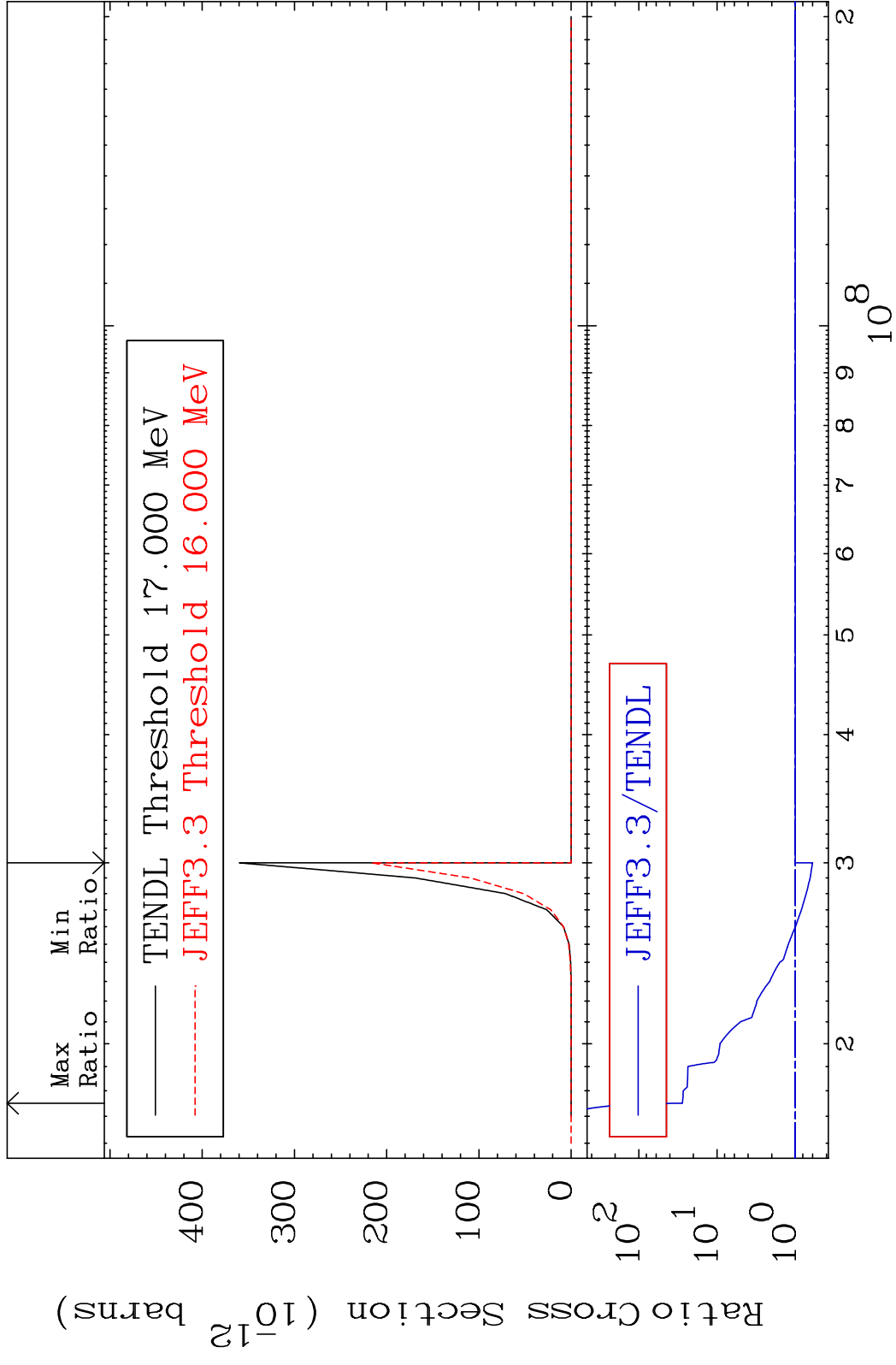


MAT 5253 (n,p) α :49-In-125g 52-Te-129m
 Radionuclide Production Cross Section to 9255. %

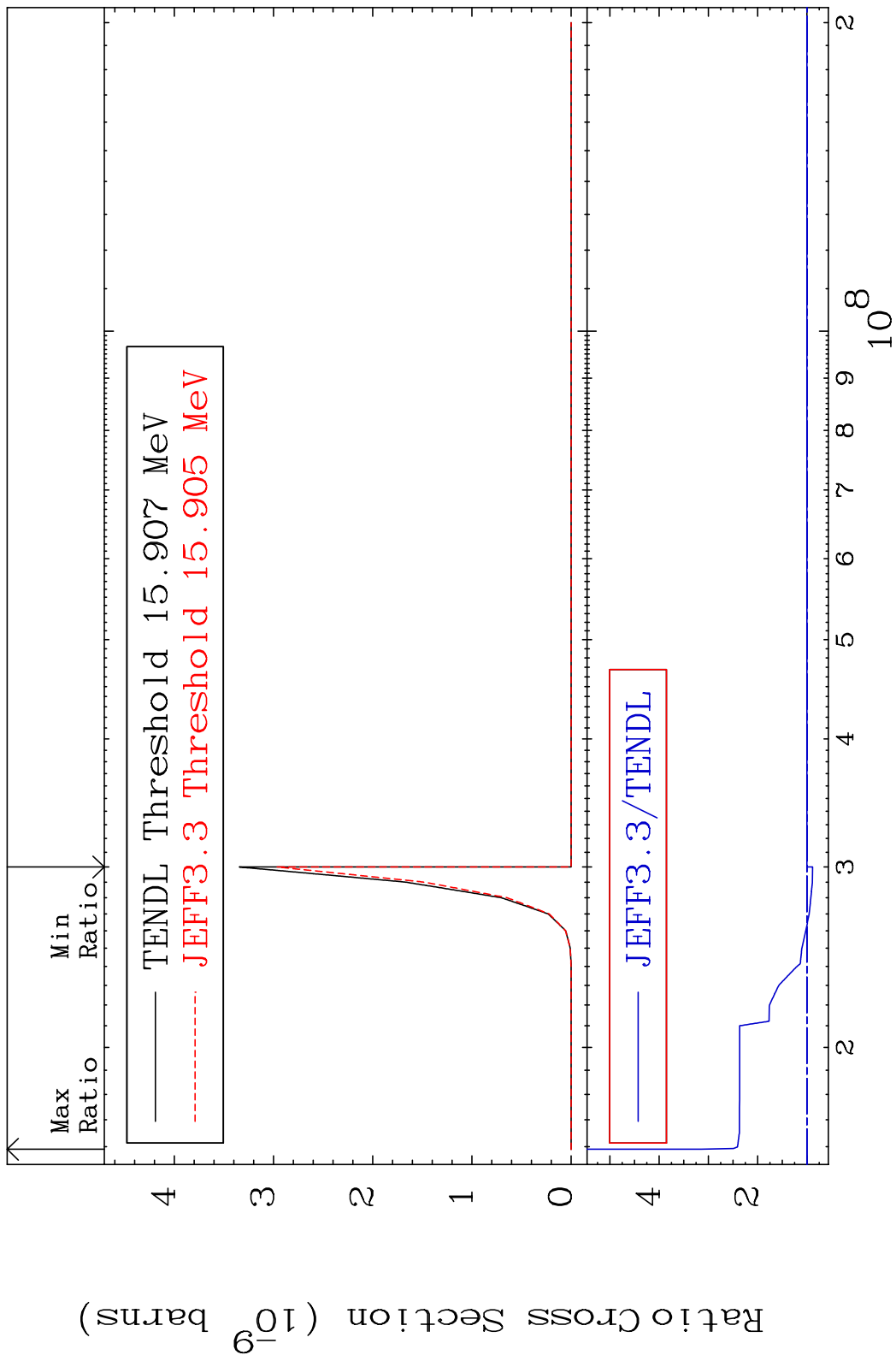


100 Incident Energy (eV) 52-Te-129m

MAT 5253 (n, p) α : 49-In-125m 52-Te-129m
 Radionuclide Production Cross Section to 2671. %



MAT 5253 (n, p) d:50-Sn-127g 52-Te-129m
 Radionuclide Production Cross Section Ratio 252.8 %



MAT 5253 (n, p) d:50-Sn-127m1 52-Te-129m
 Radionuclide Production Cross Section 30e-27m 141.6 %

