

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

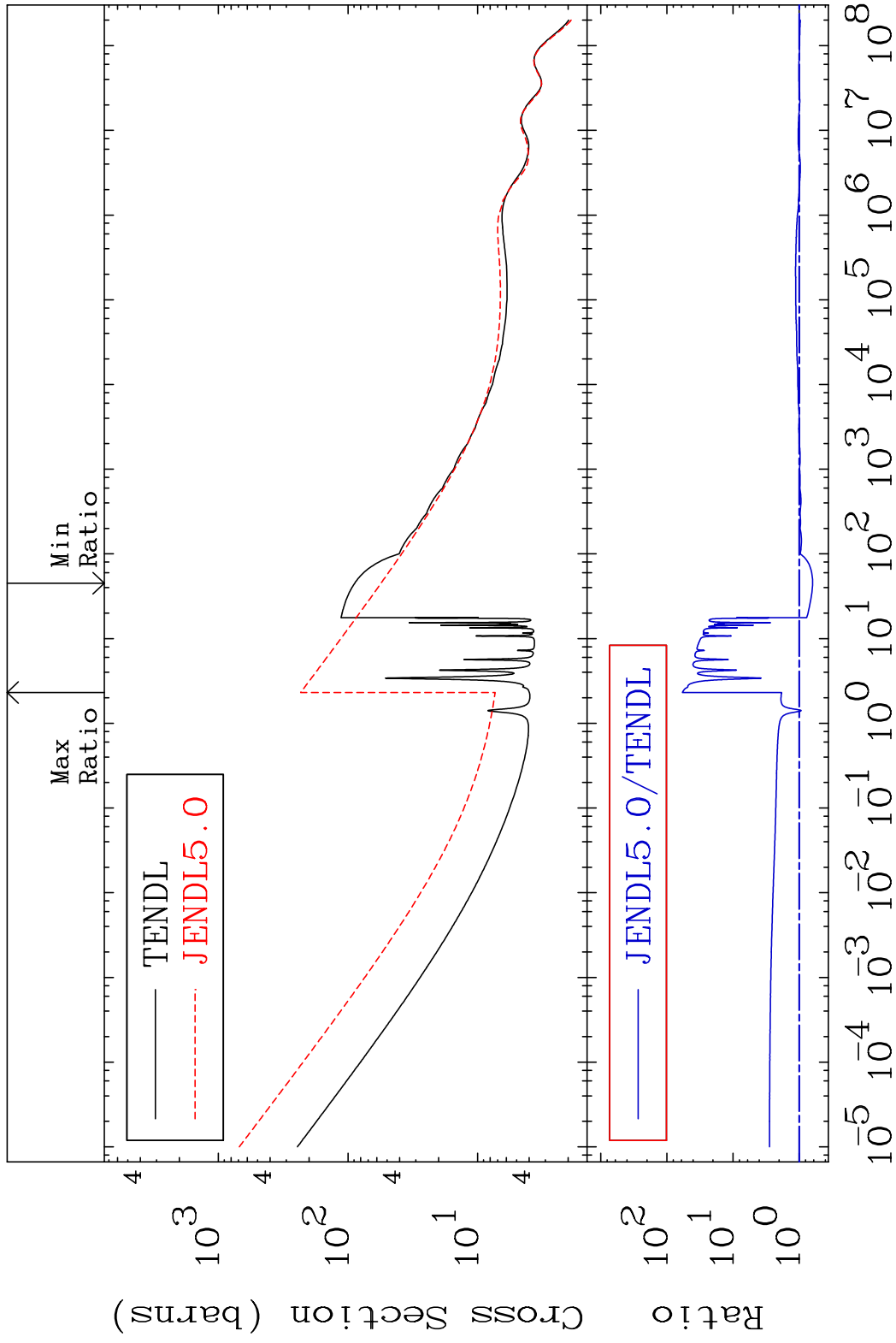
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5223

Total Cross Section
52-Te-119m
-37.44 To 5726. %

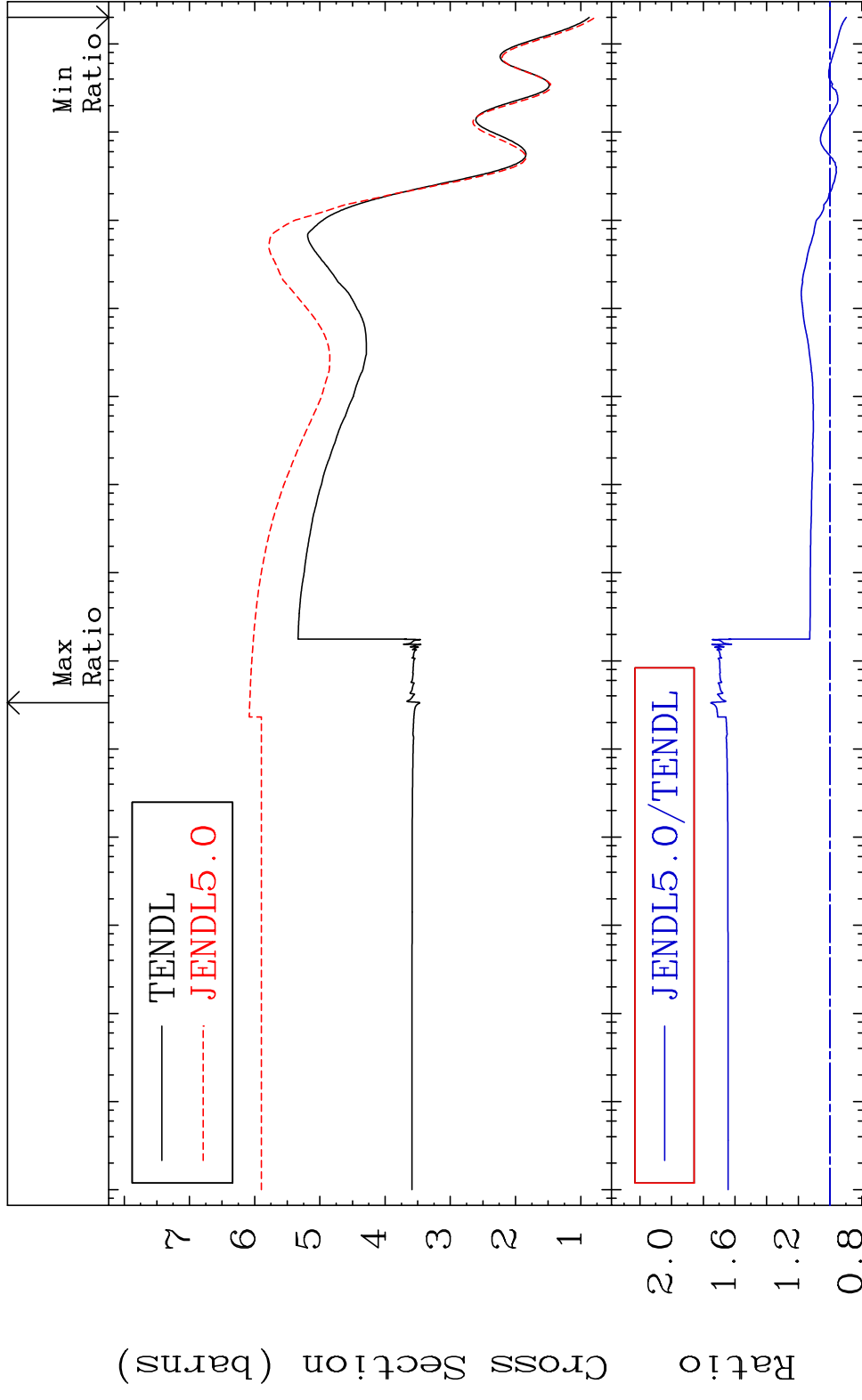


1 Incident Energy (eV) 52-Te-119m

MAT 5223

Elastic
Cross Section -10.25 To 75.31 %

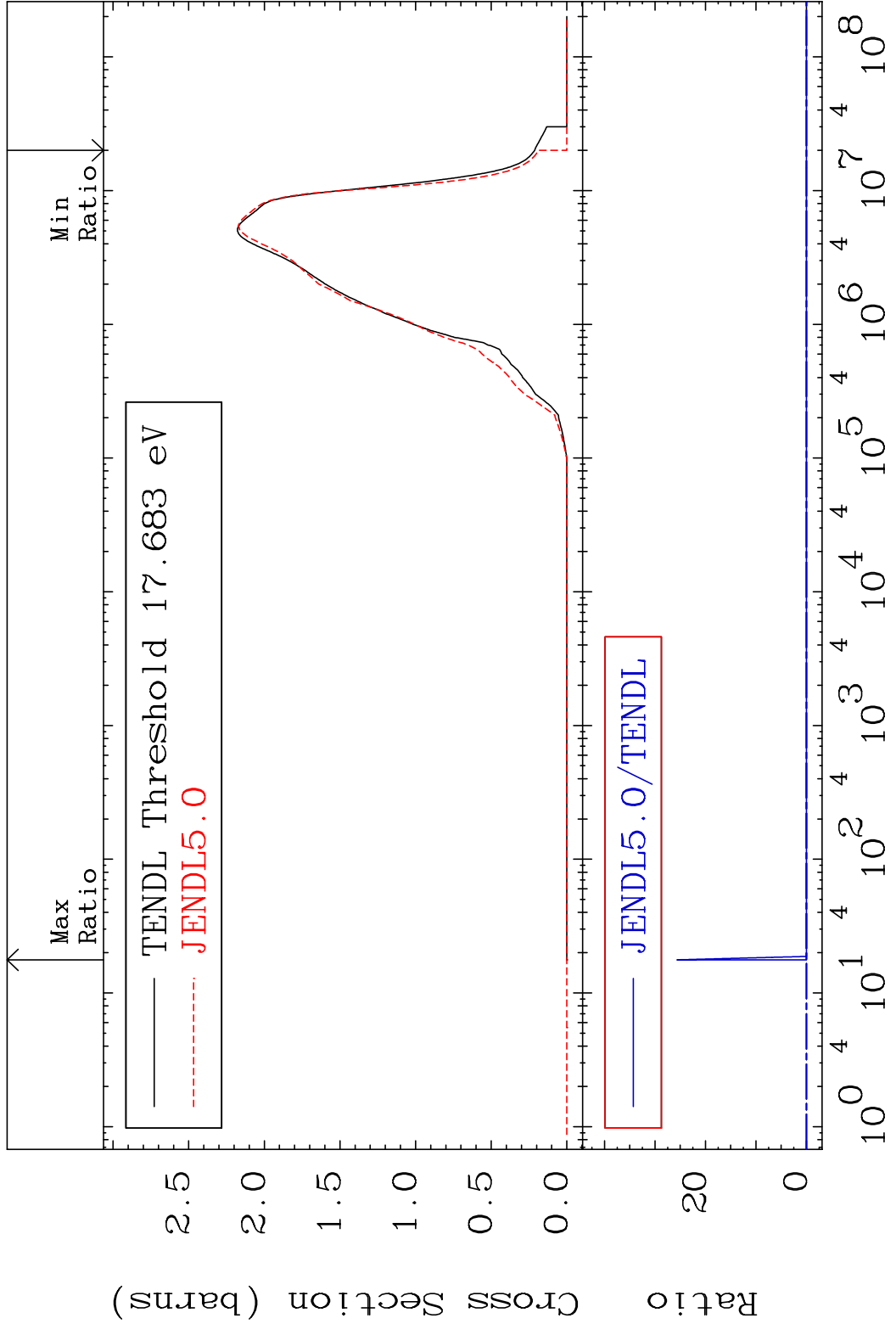
52-Te-119m



Incident Energy (eV) 52-Te-119m

2

MAT 5223 Inelastic Cross Section 52-Te-119m
-100.0 To 9999. %

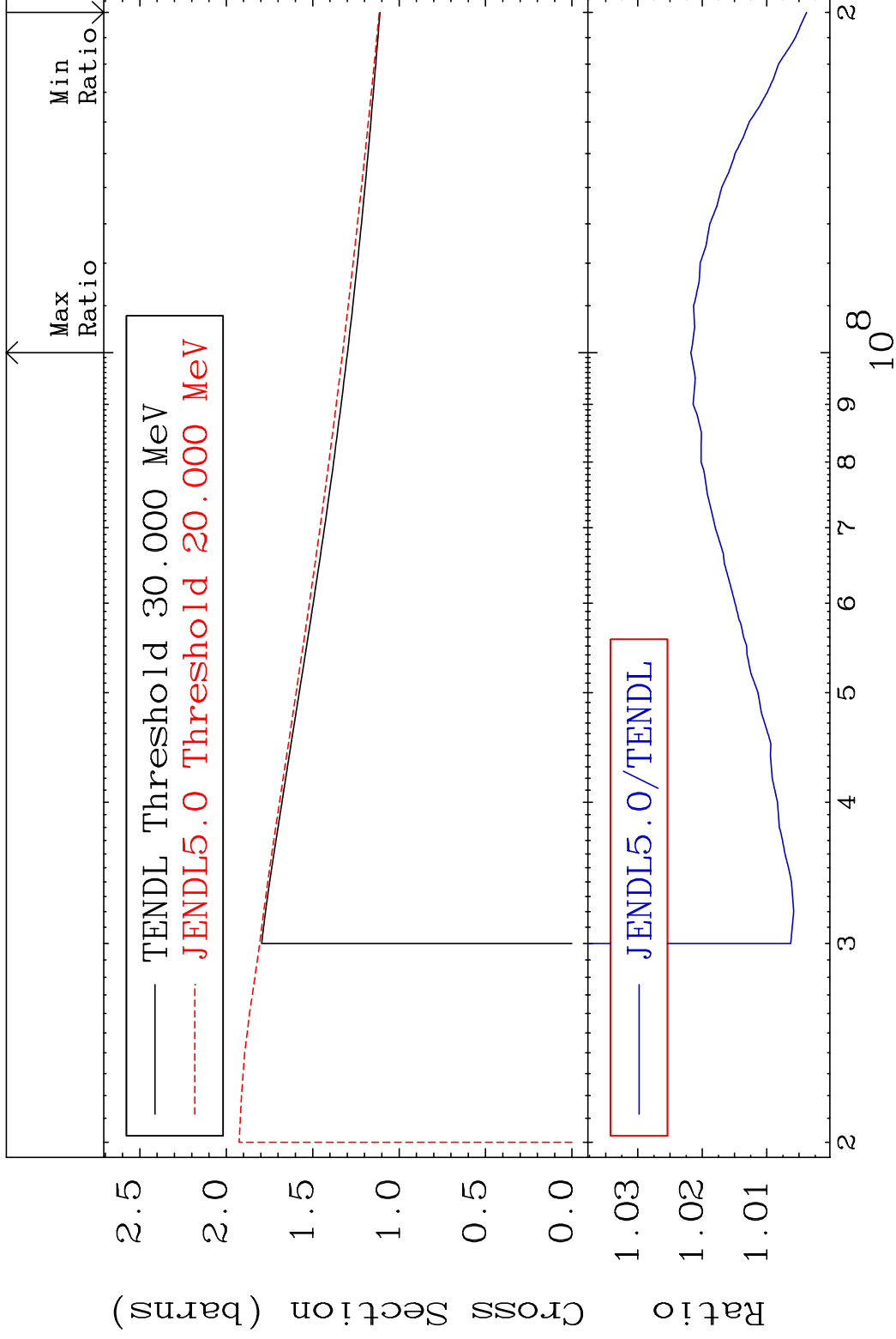


MAT 5223

(n, remainder)

52-Te-119m

Cross Section 0.382 To 2.178 %



4

Incident Energy (eV)

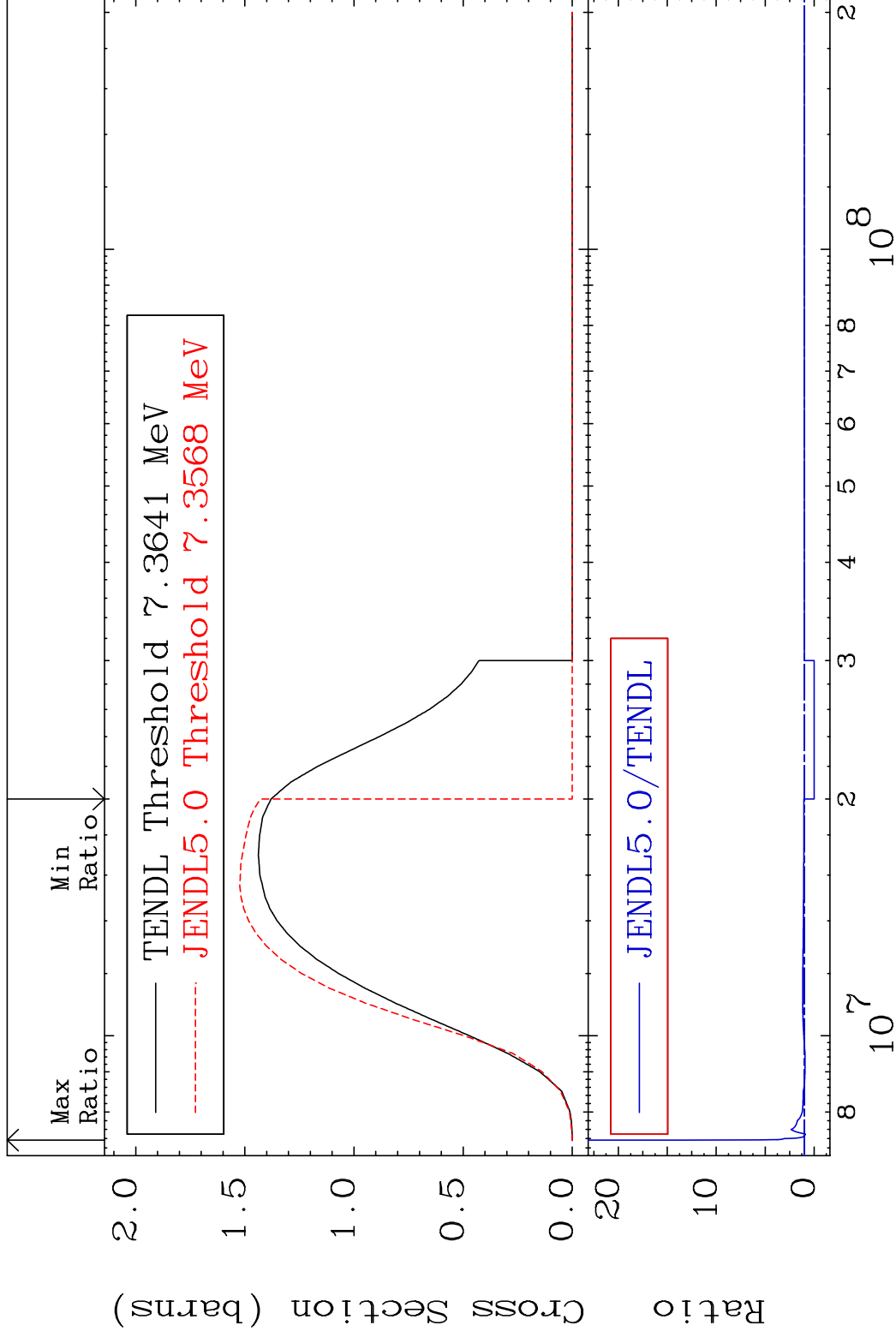
52-Te-119m

MAT 5223

(n,2n)

52-Te-119m

Cross Section -100.0 To 1233. %



5

Incident Energy (eV)

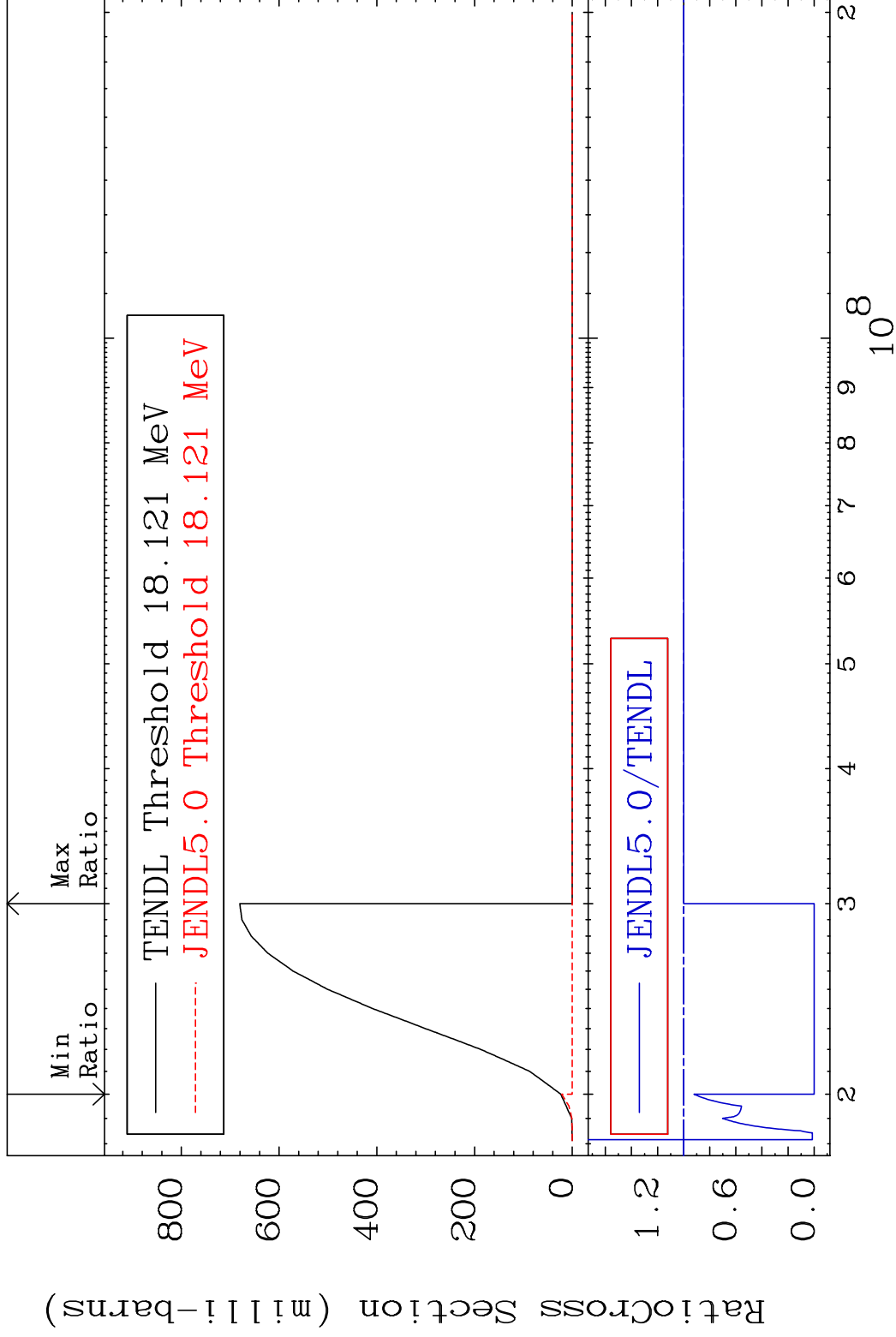
52-Te-119m

MAT 5223

(n,3n)

52-Te-119m

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

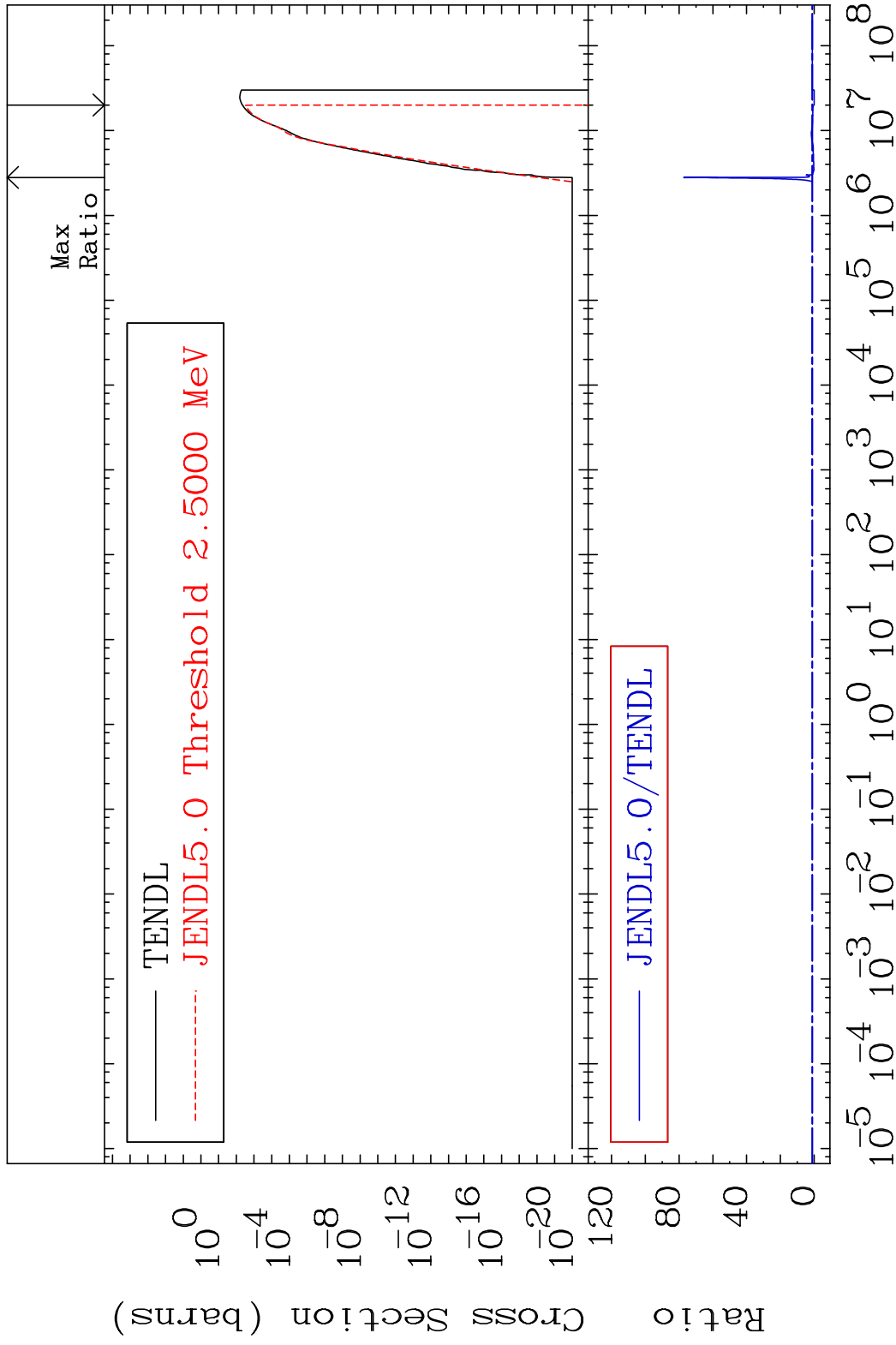
52-Te-119m

MAT 5223

(n, n') α

52-Te-119m

Cross Section -100.0 To 7630. %

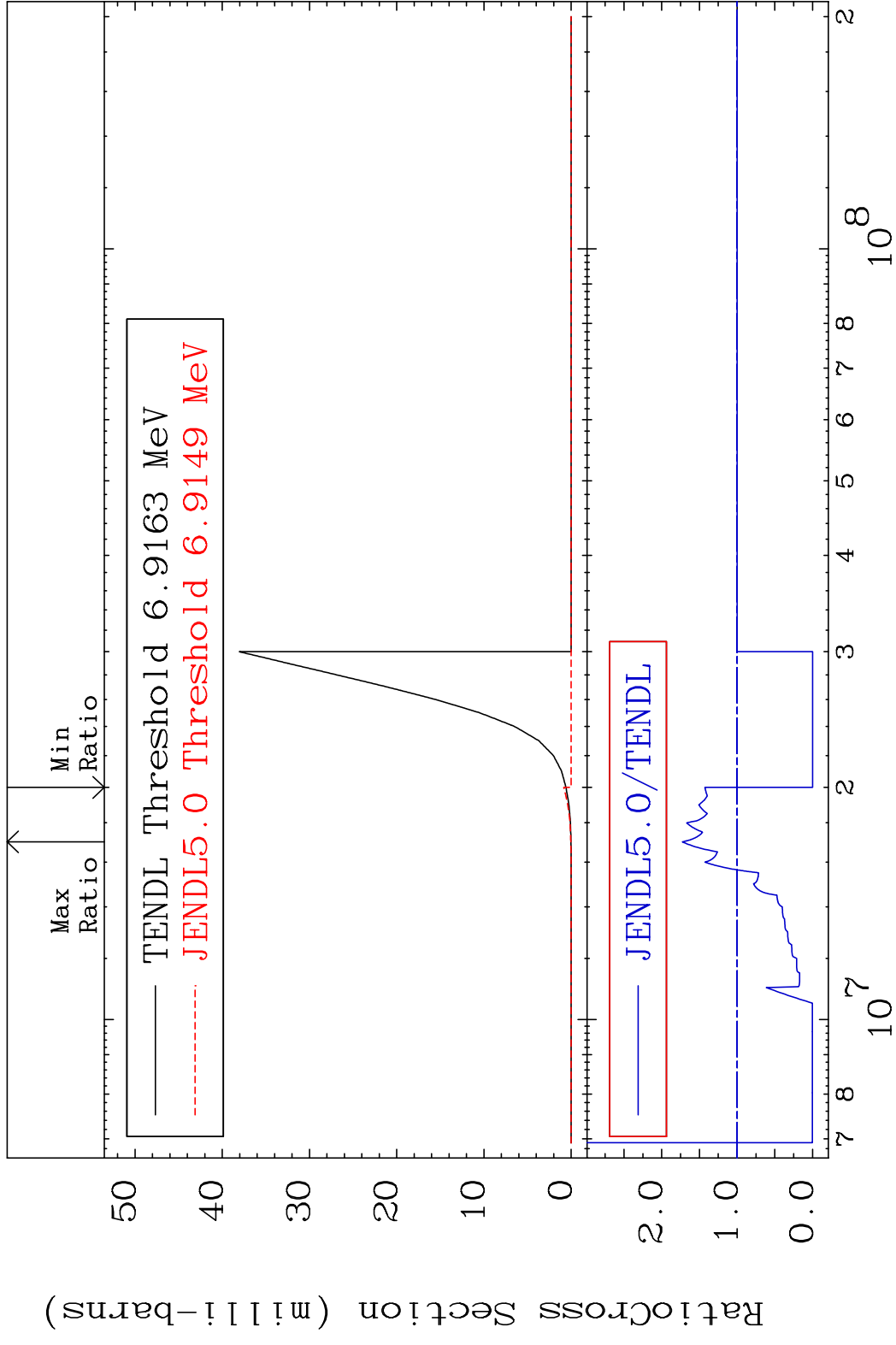


7

Incident Energy (eV)

52-Te-119m

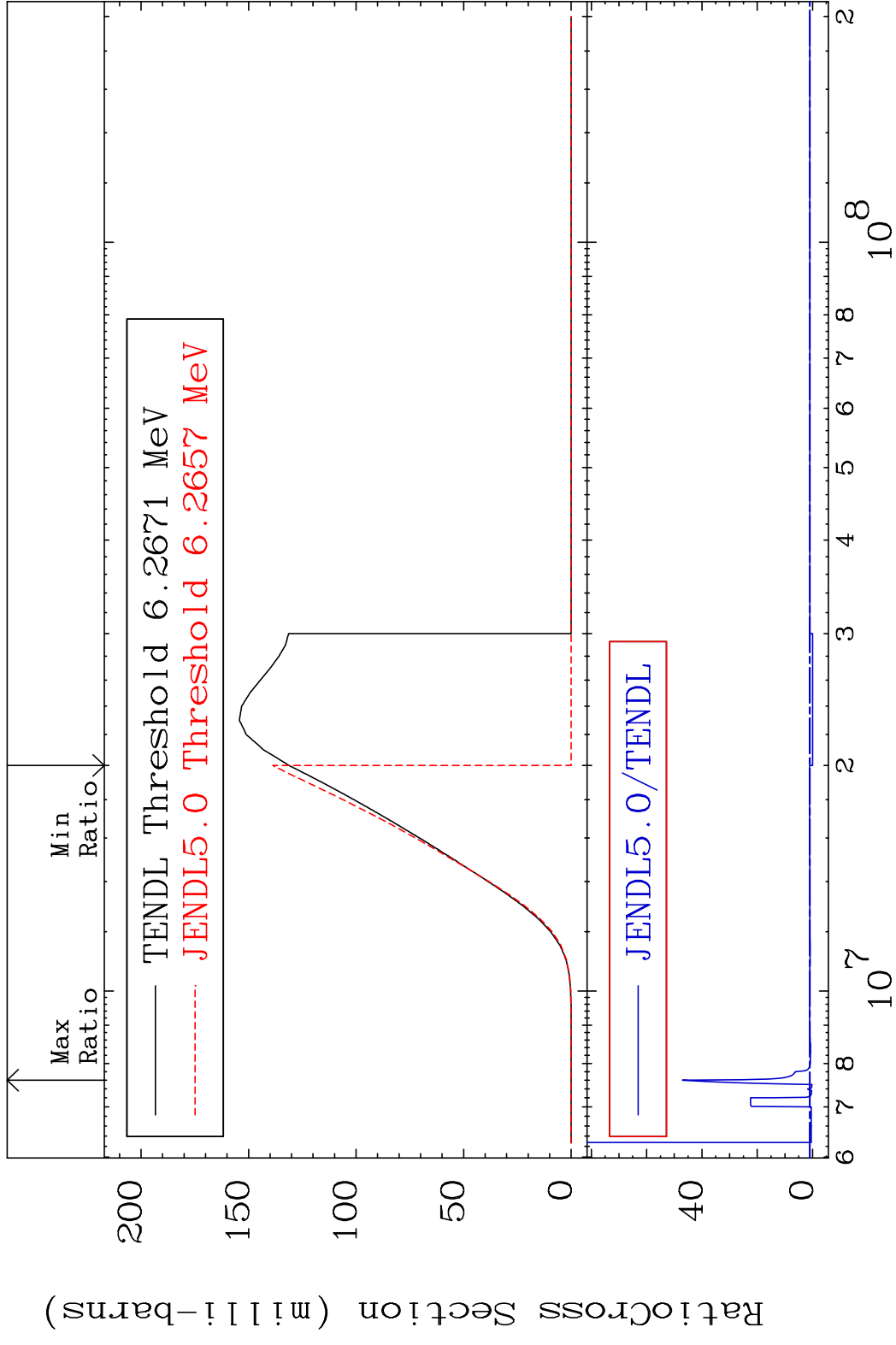
MAT 5223 (n,2n) α 52-Te-119m
 Cross Section -100.0 To 72.60 %



MAT 5223

(n, n') p 52-Te-119m

Cross Section -100.0 To 4608. %



9

Incident Energy (eV)

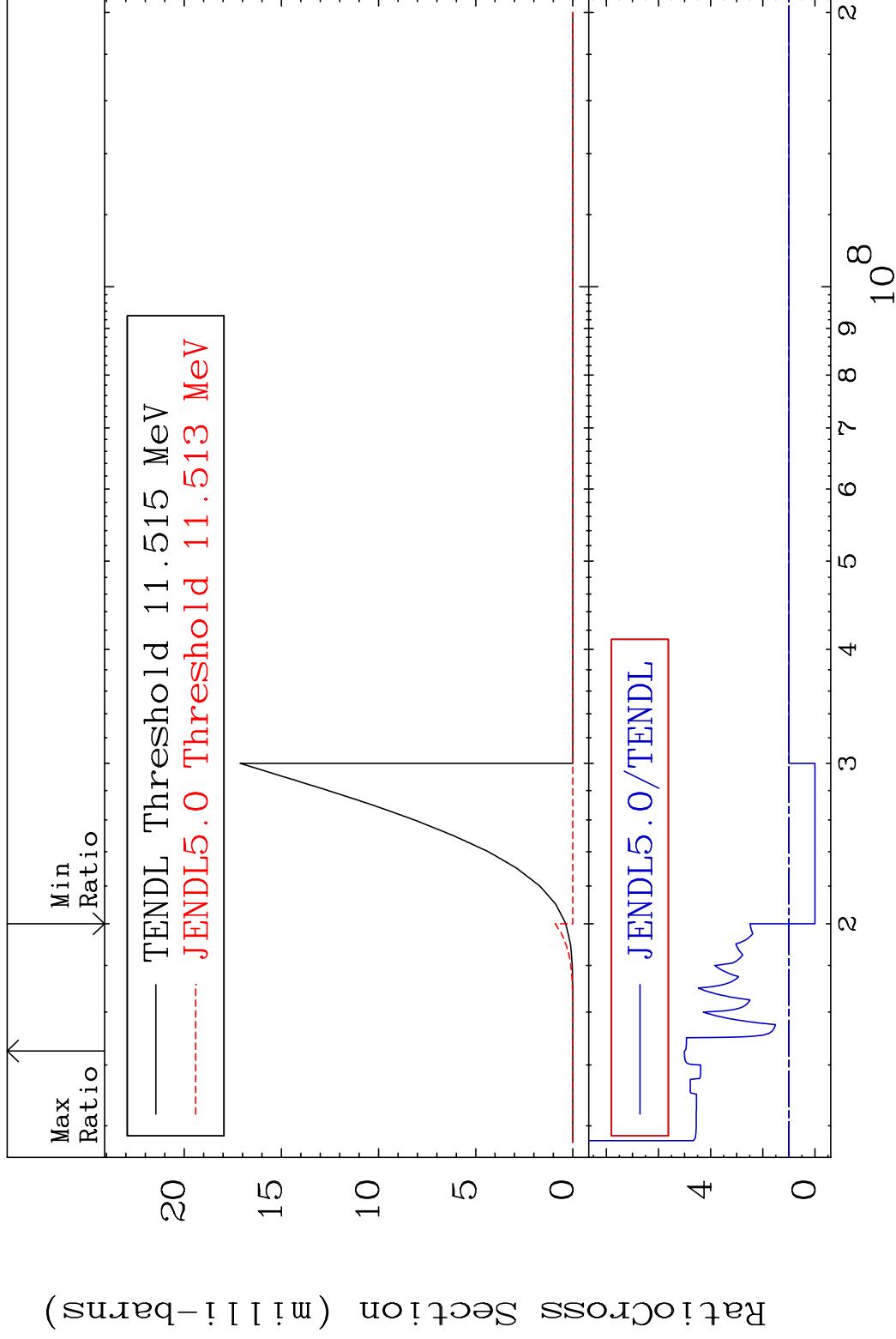
52-Te-119m

MAT 5223

(n, n') d

52-Te-119m

Cross Section -100.0 To 400.8 %

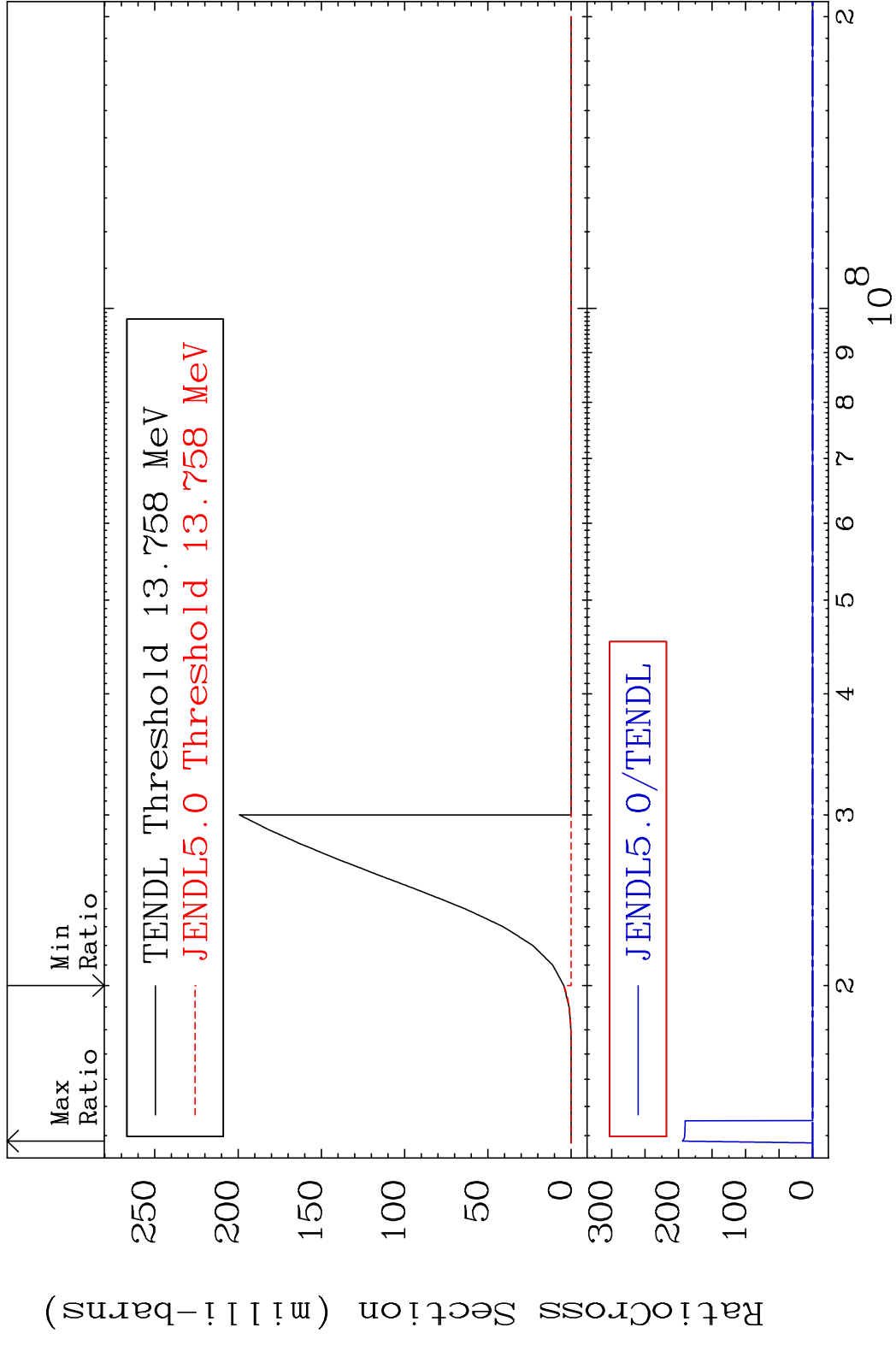


10

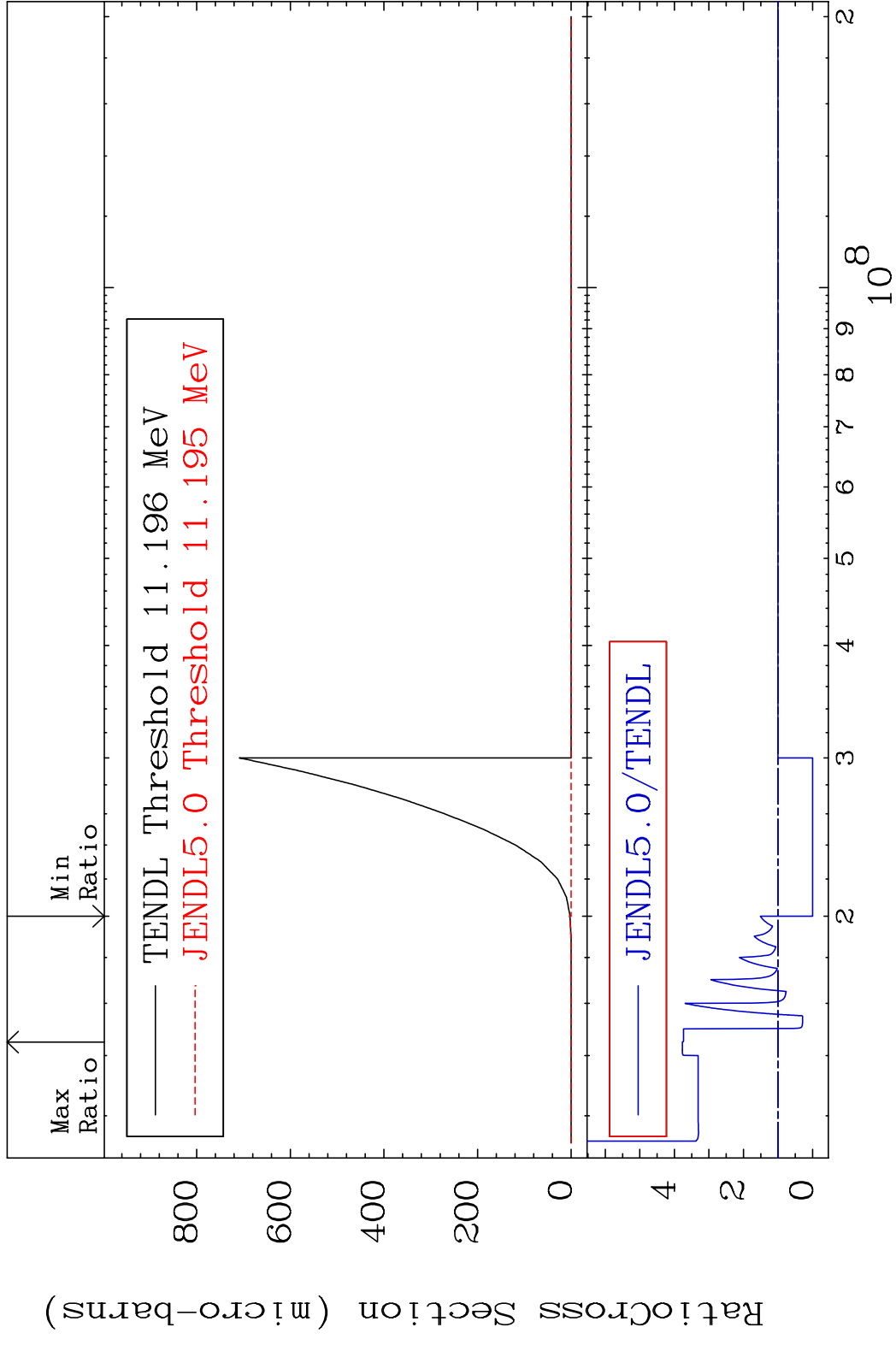
Incident Energy (eV)

52-Te-119m

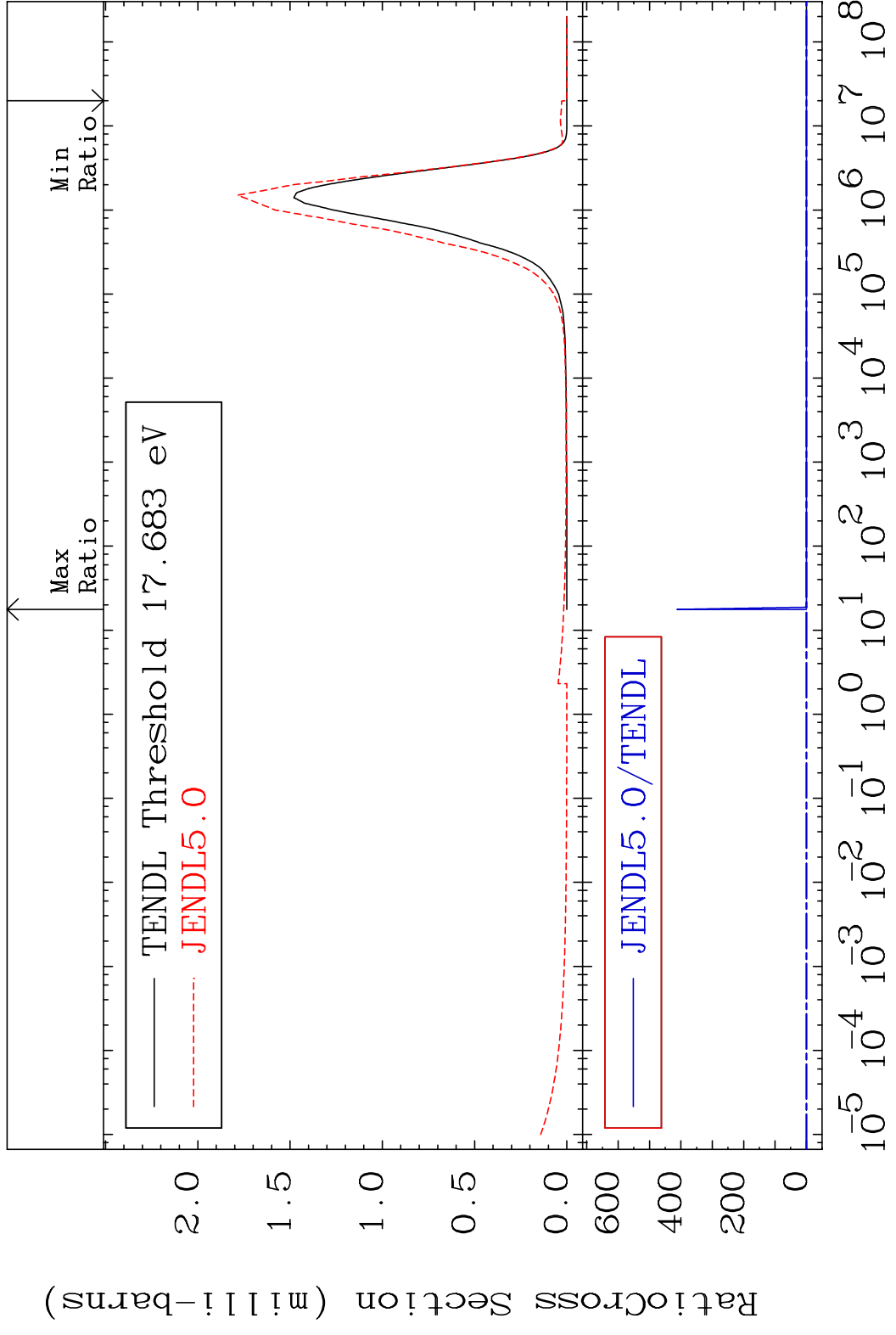
MAT 5223 (n,2n) p 52-Te-119m
 Cross Section -100.0 To 9999. %



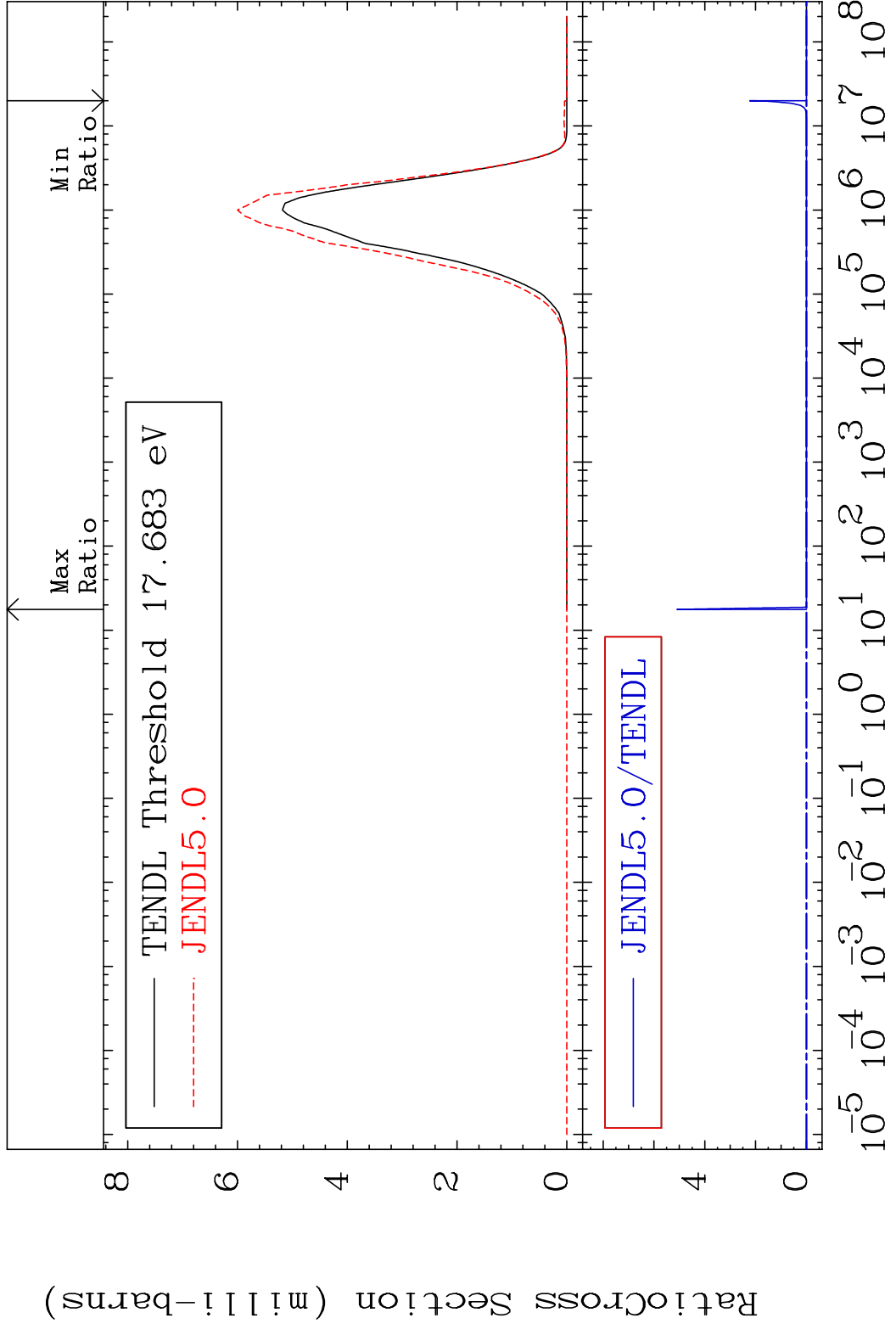
MAT 5223 (n,2n) p 52-Te-119m
 Cross Section -100.0 To 276.9 %



MAT 5223 MT= 51 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %

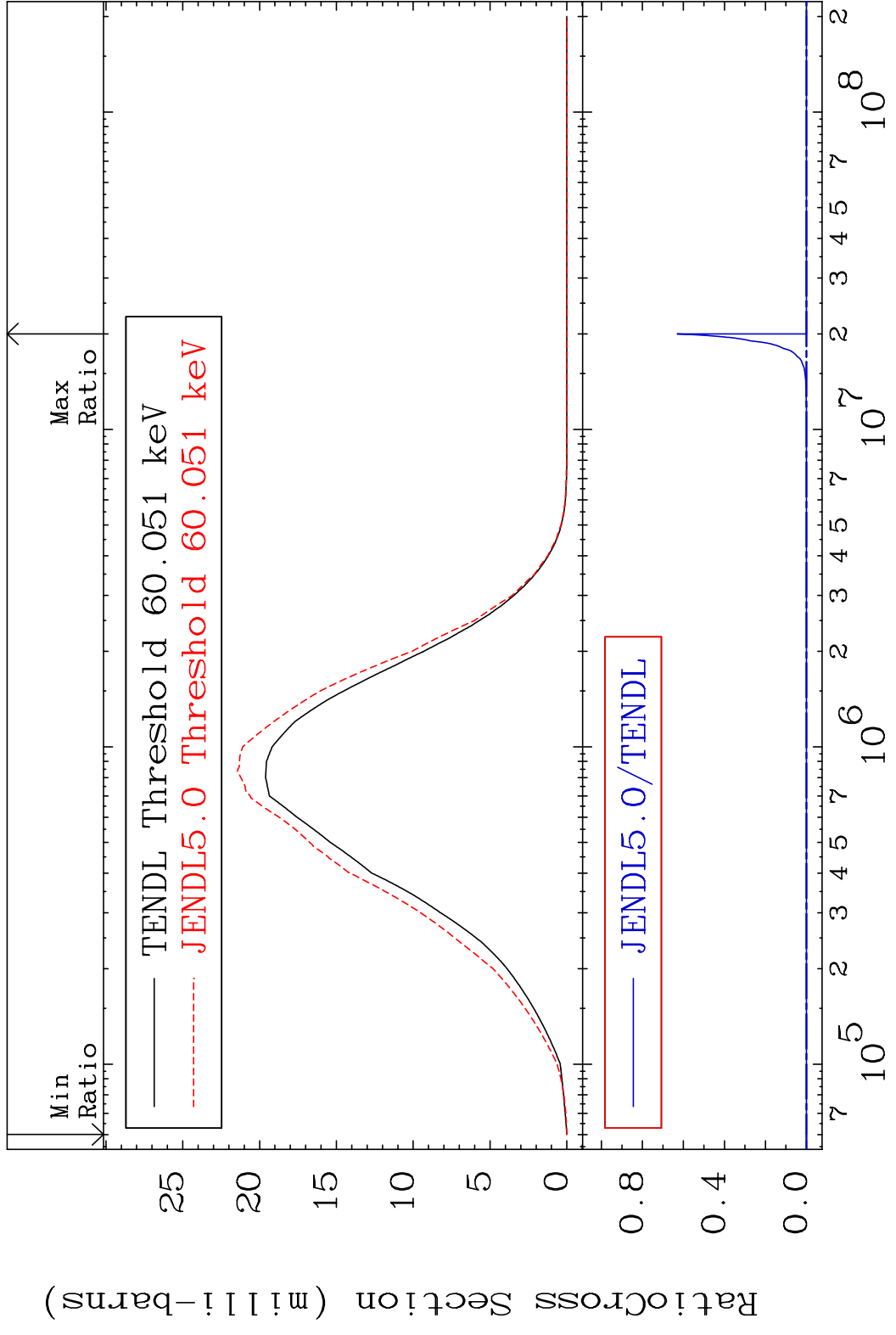


MAT 5223 MT= 52 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



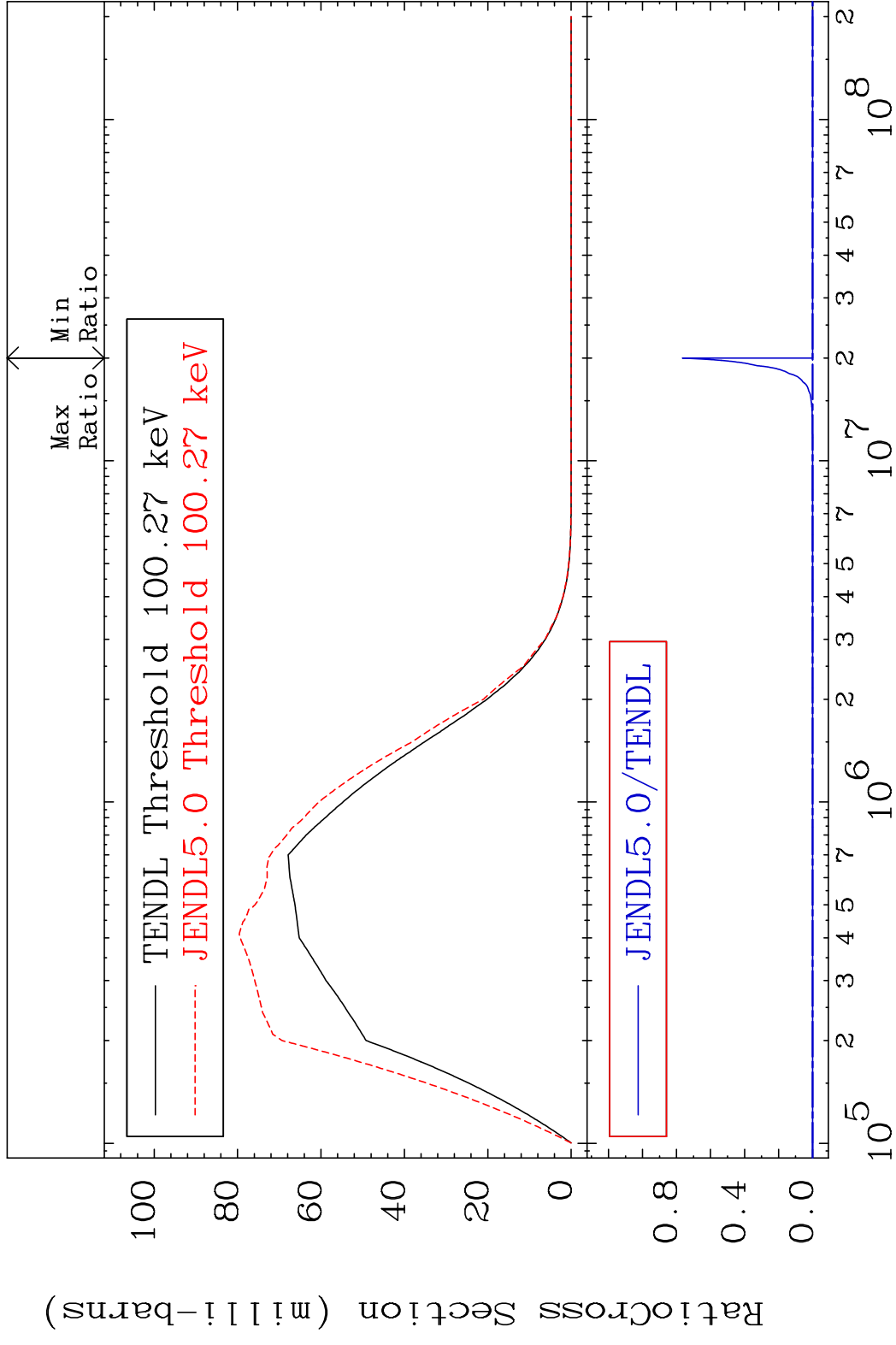
14 52-Te-119m

MAT 5223 MT= 53 (n,n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



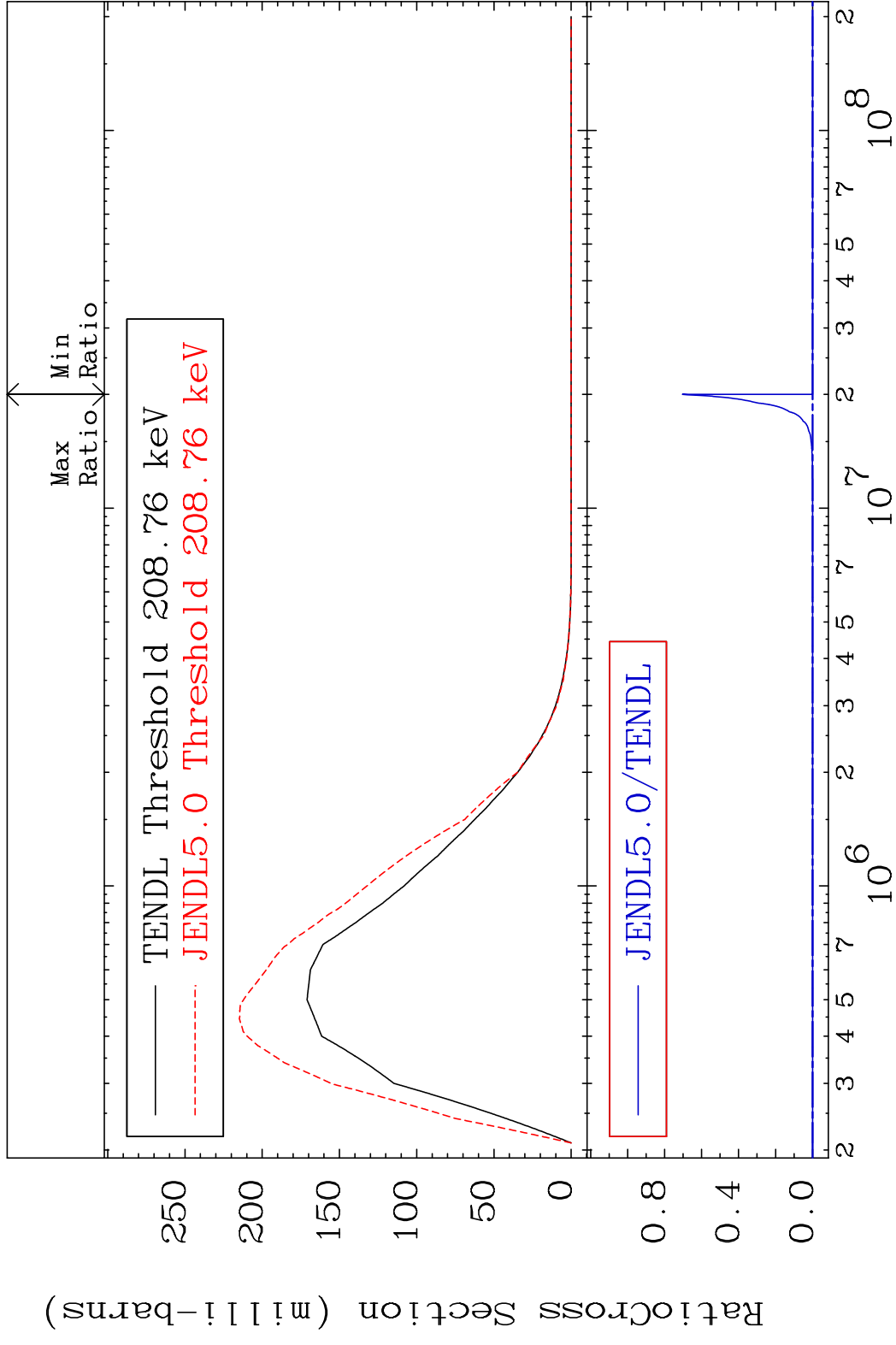
15 Incident Energy (eV) 52-Te-119m

MAT 5223 MT= 54 (n,n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



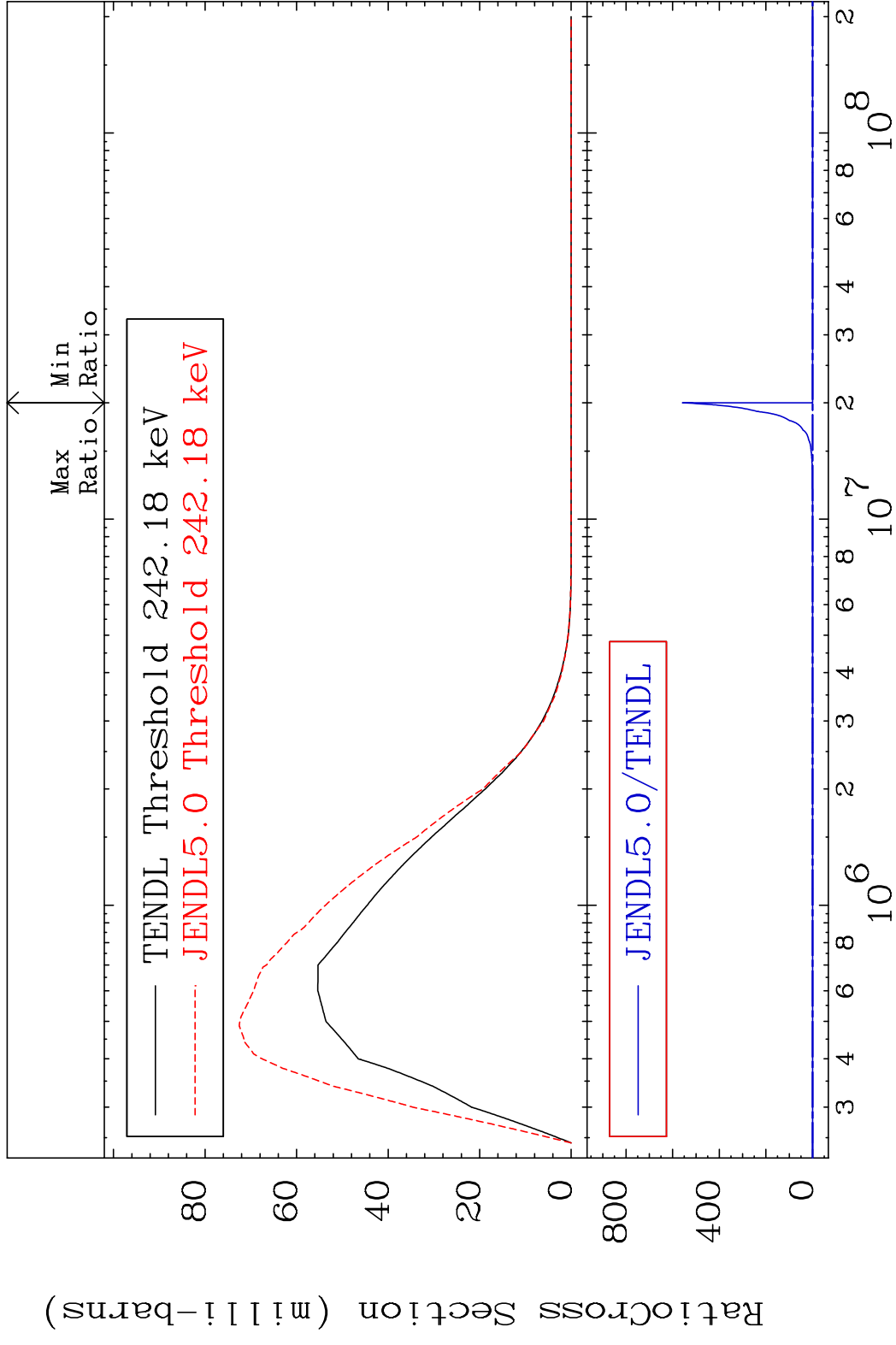
16 Incident Energy (eV) 52-Te-119m

MAT 5223 MT= 55 (n,n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %

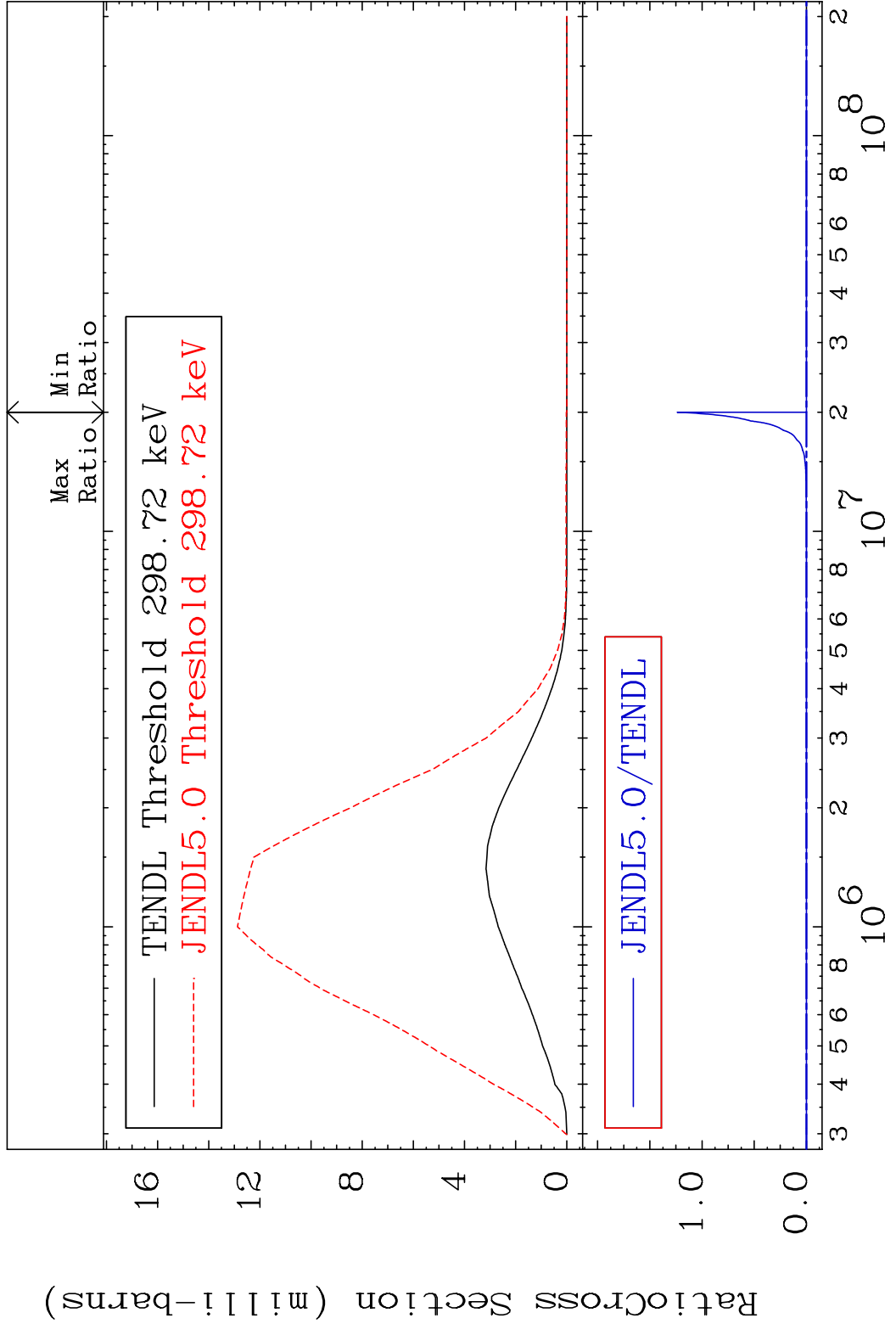


17 Incident Energy (eV) 52-Te-119m

MAT 5223 MT= 56 (n,n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %

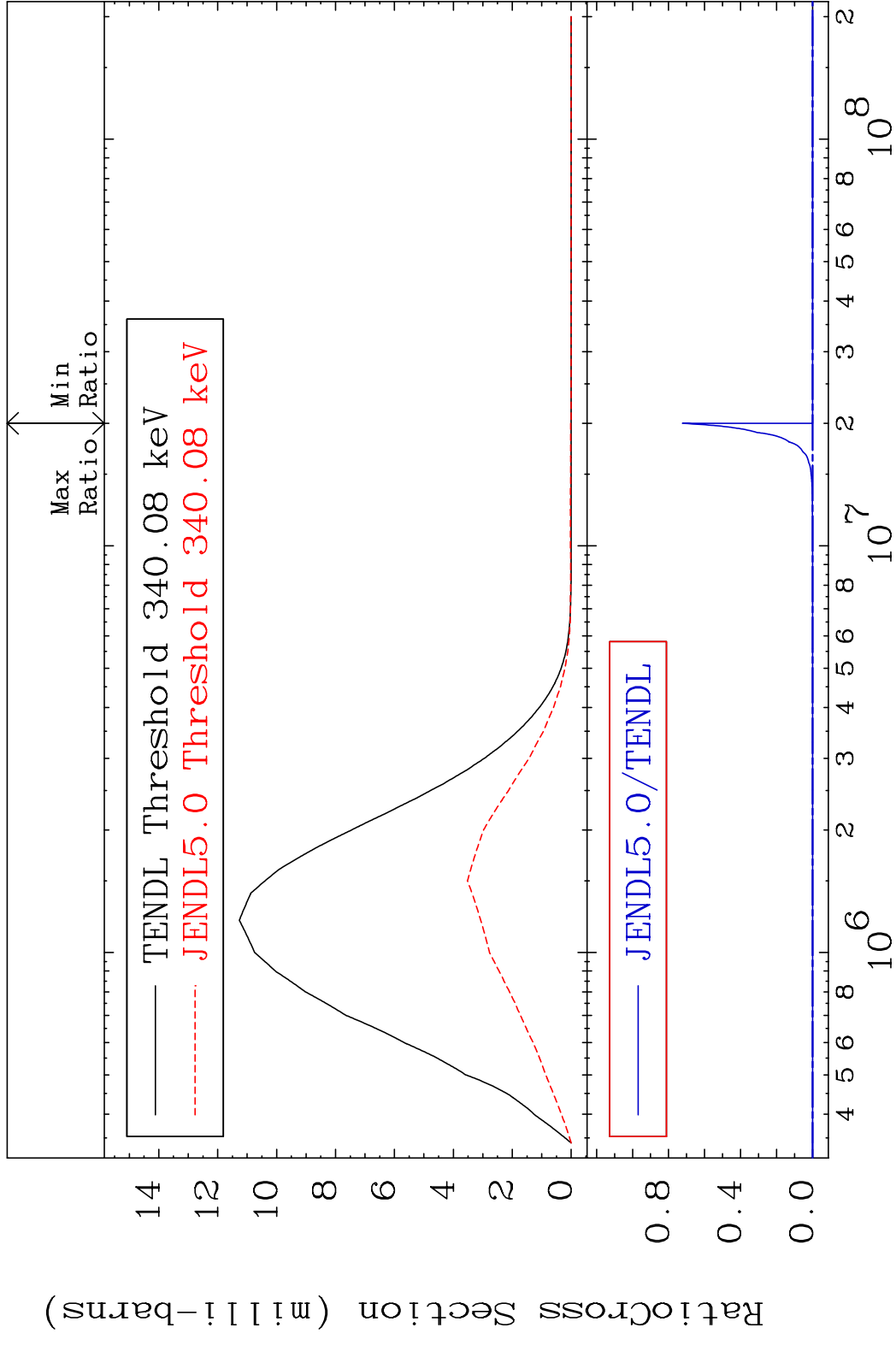


MAT 5223 MT= 57 (n,n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %

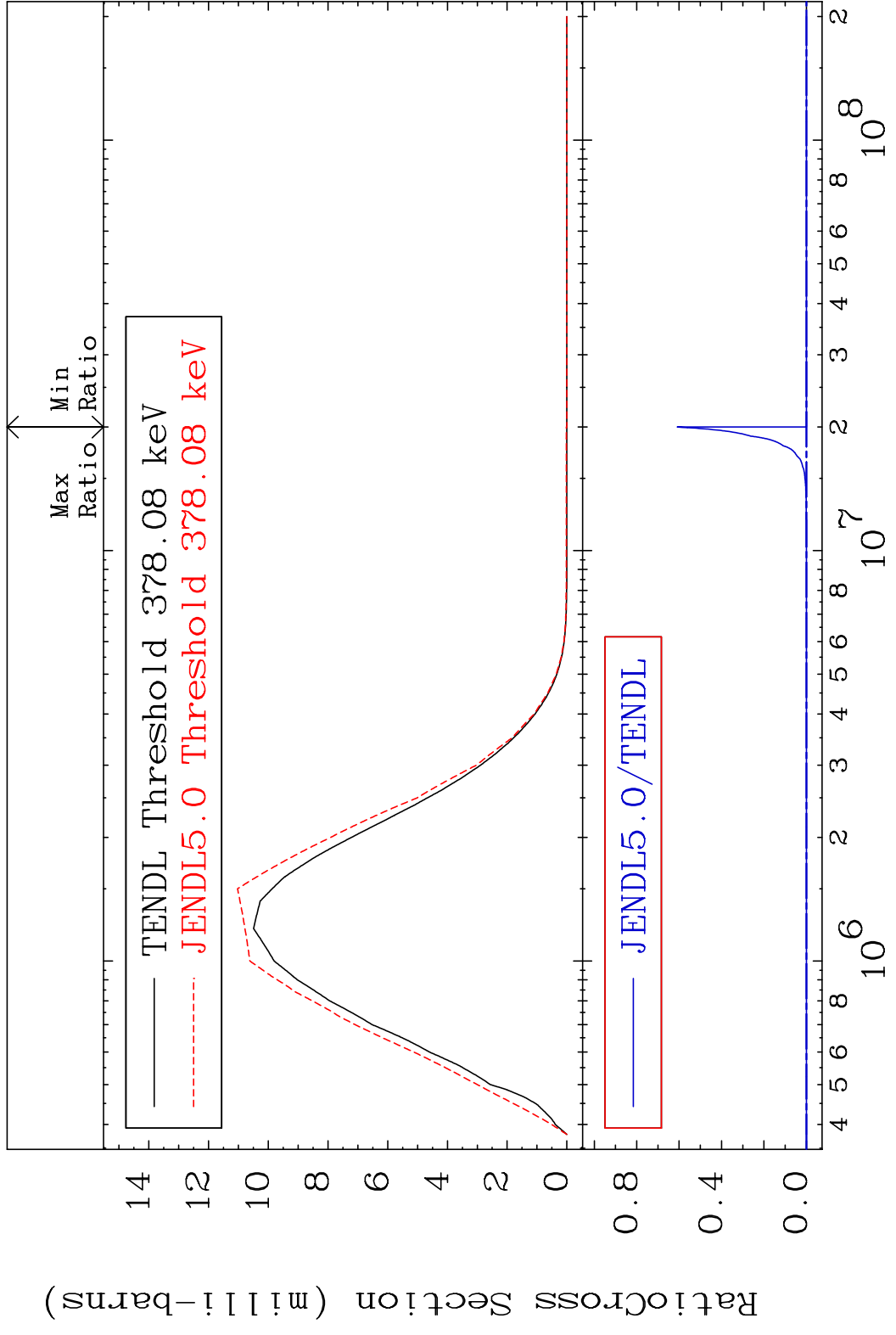


19 Incident Energy (eV) 52-Te-119m

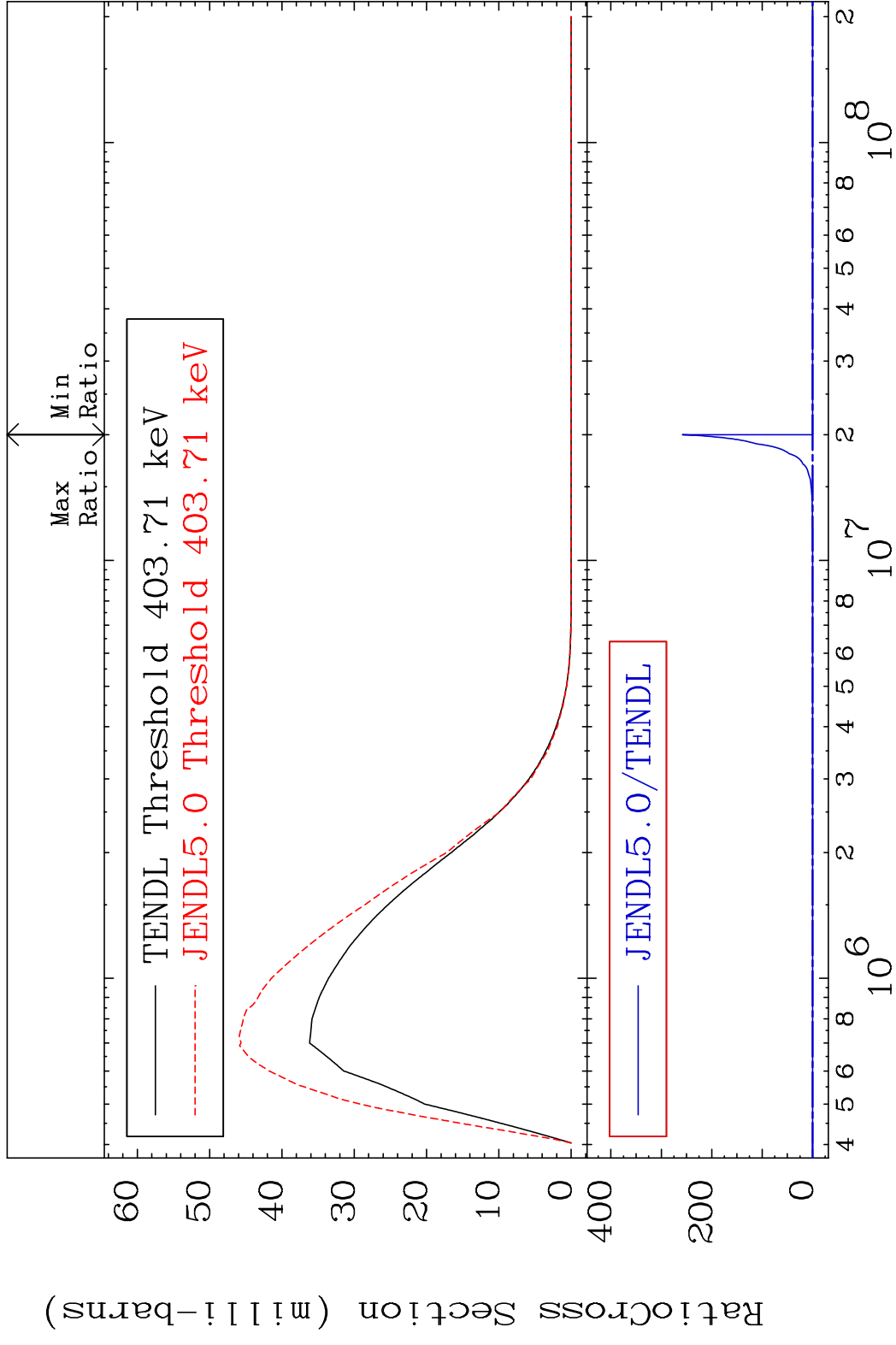
MAT 5223 MT= 58 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



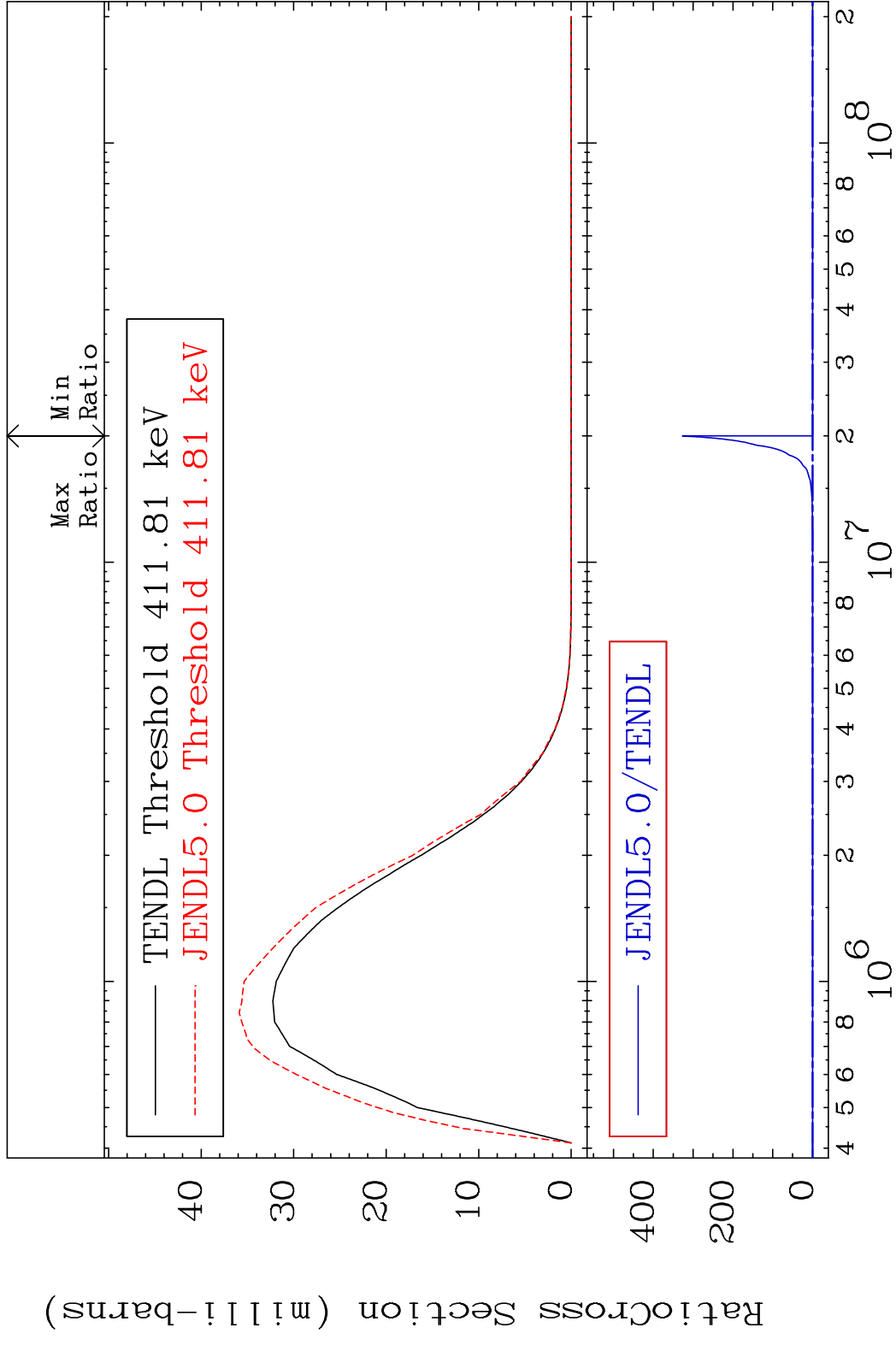
MAT 5223 MT= 59 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



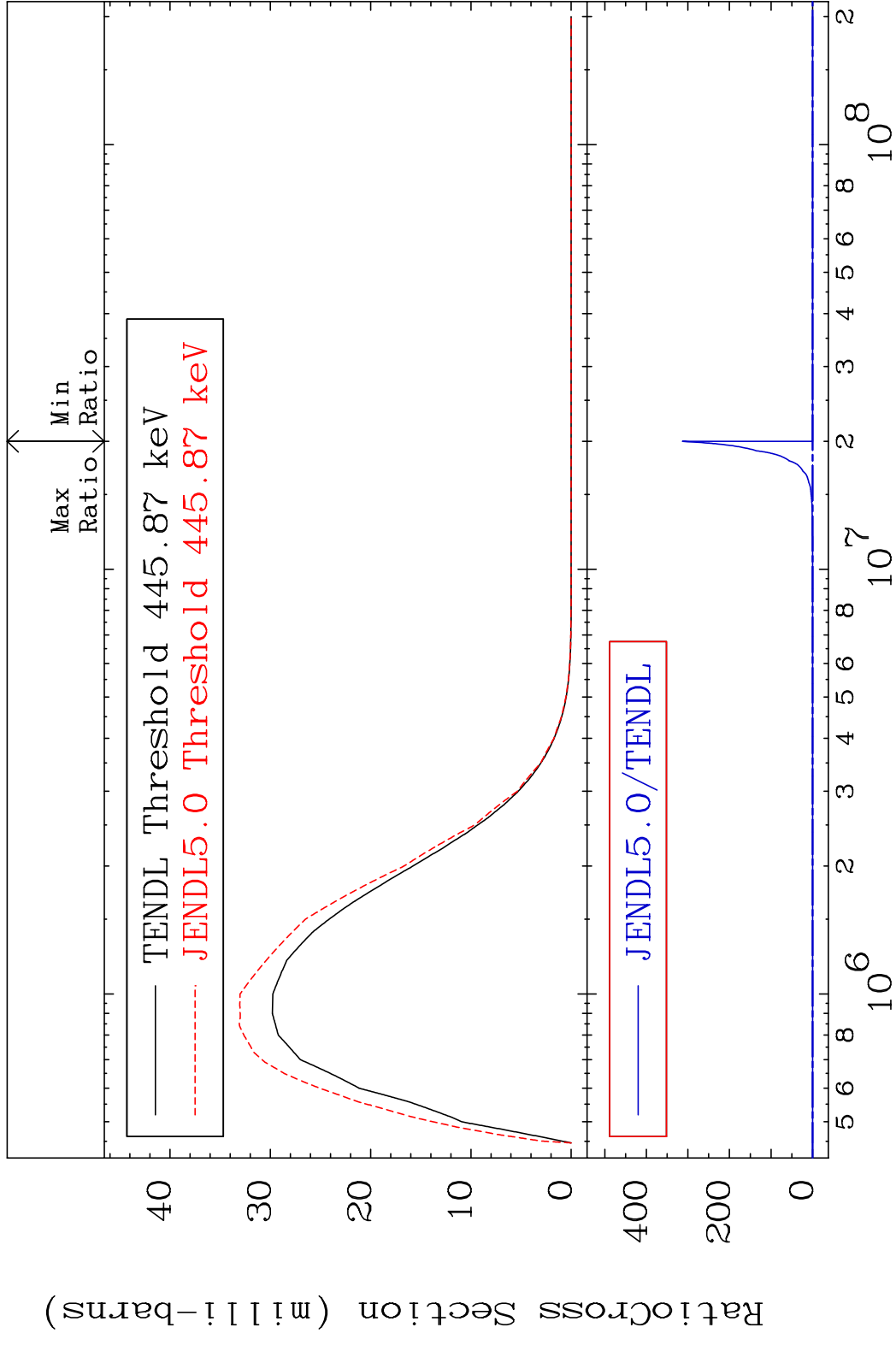
MAT 5223 MT= 60 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



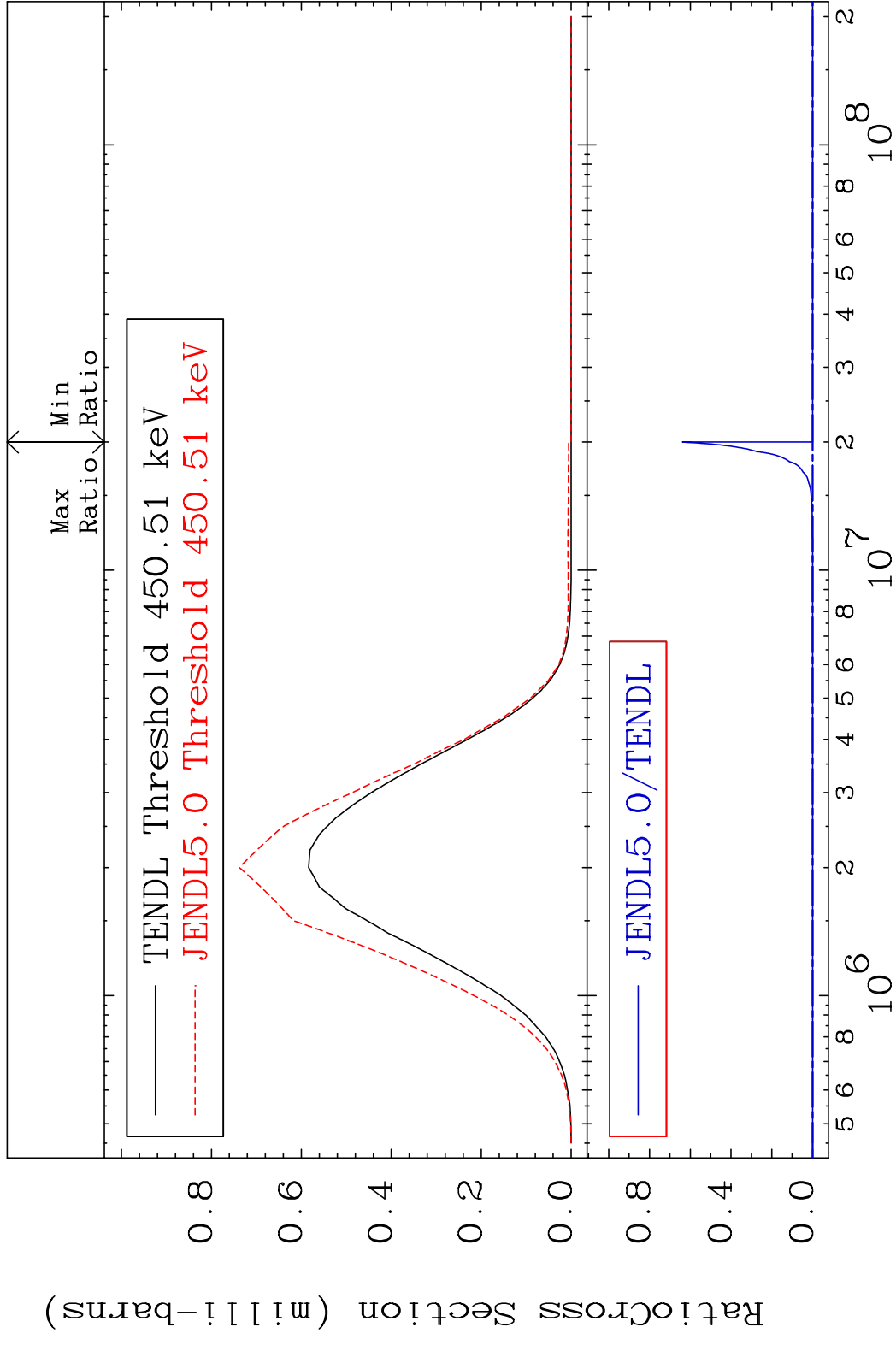
MAT 5223 MT= 61 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



MAT 5223 MT= 62 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %

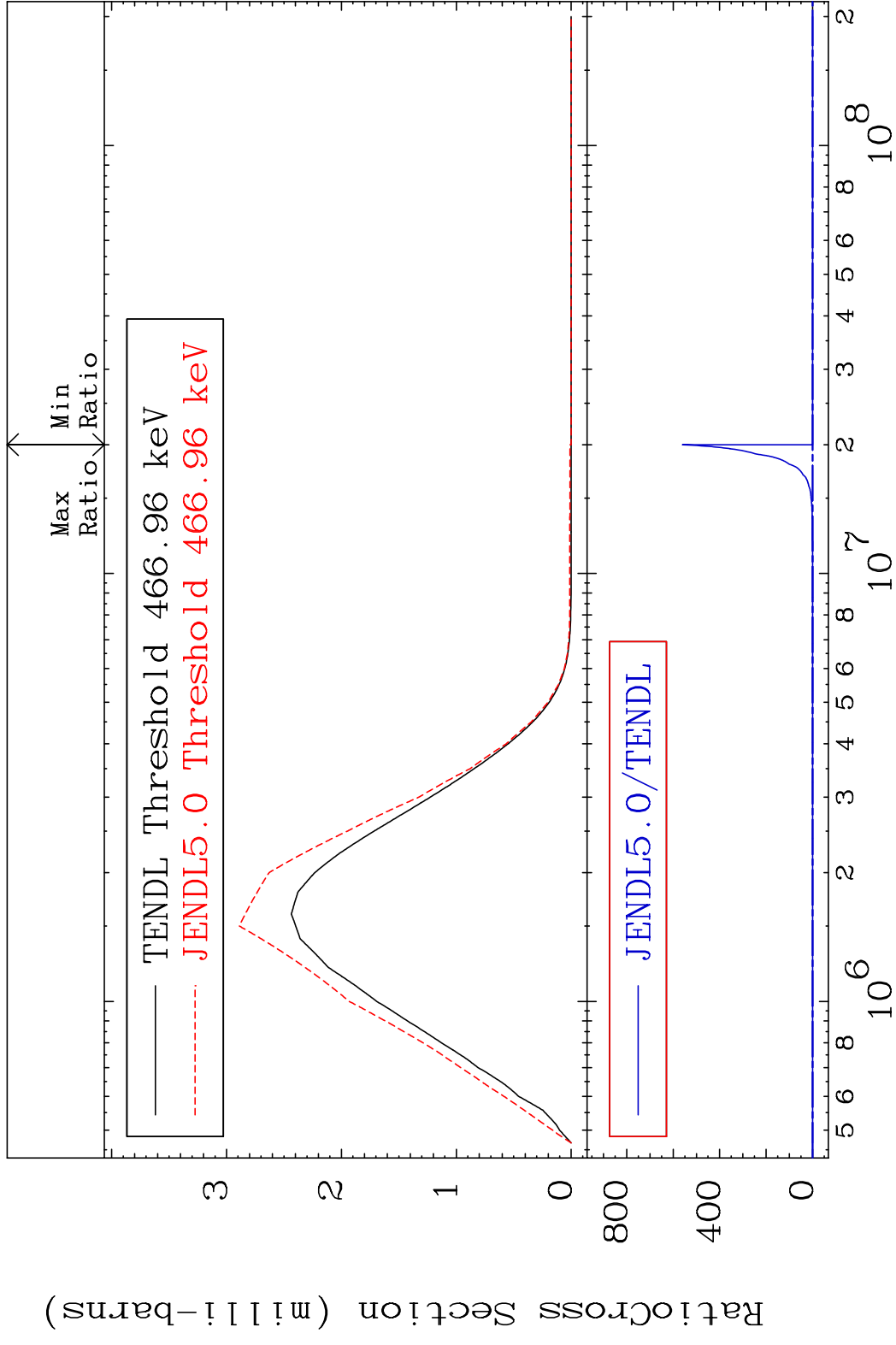


MAT 5223 MT= 63 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %

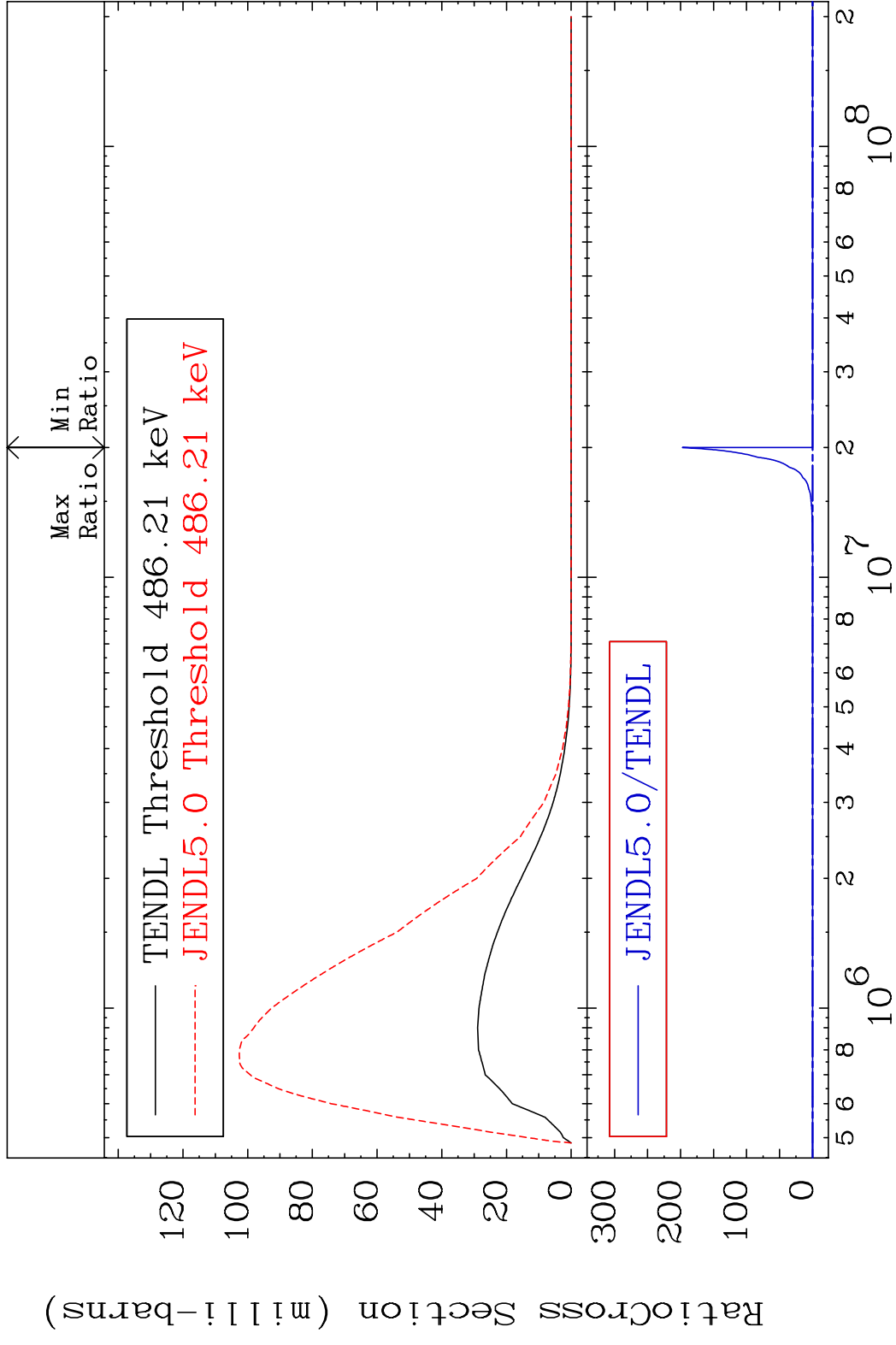


25 Incident Energy (eV) 52-Te-119m

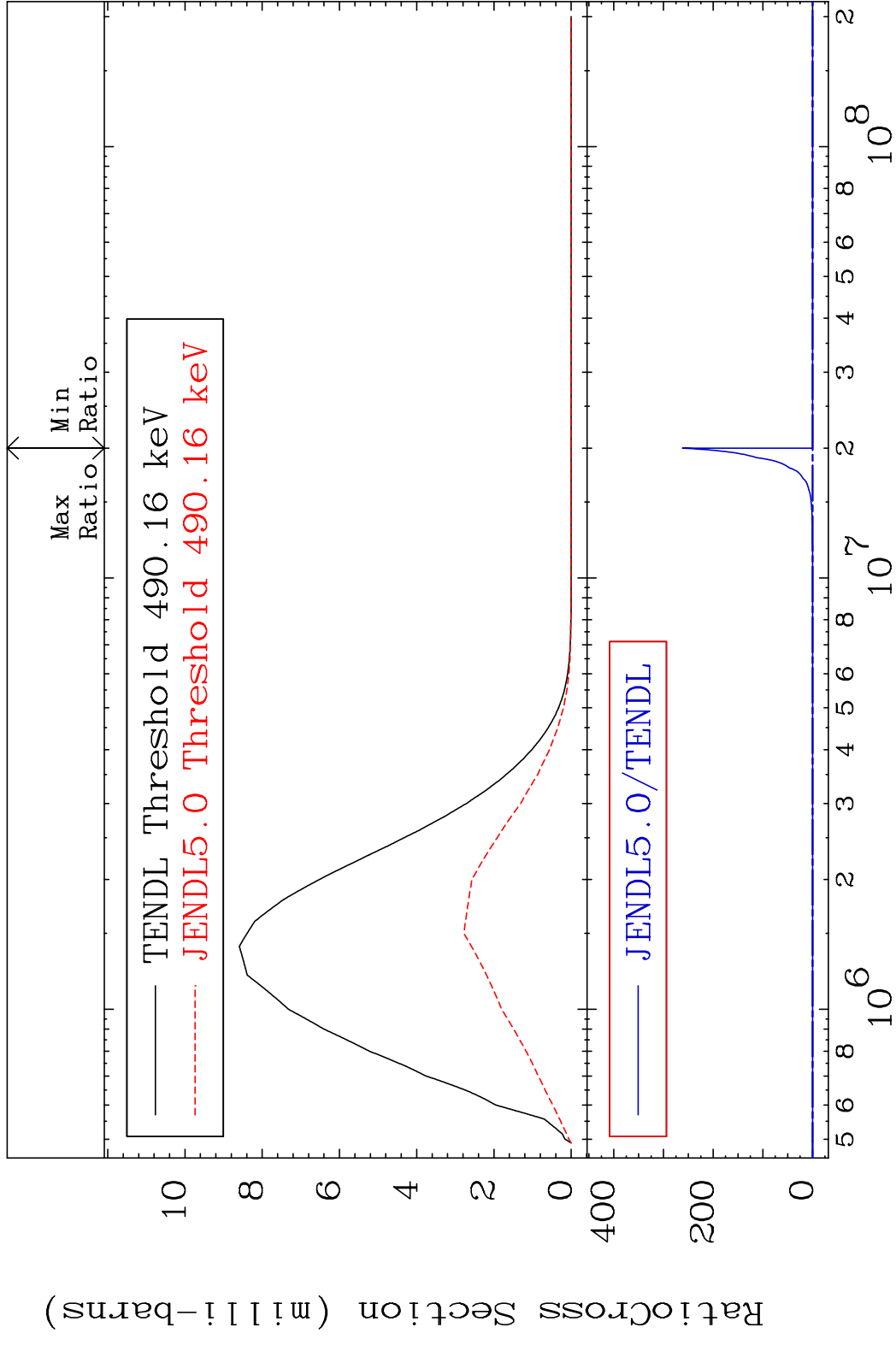
MAT 5223 MT= 64 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



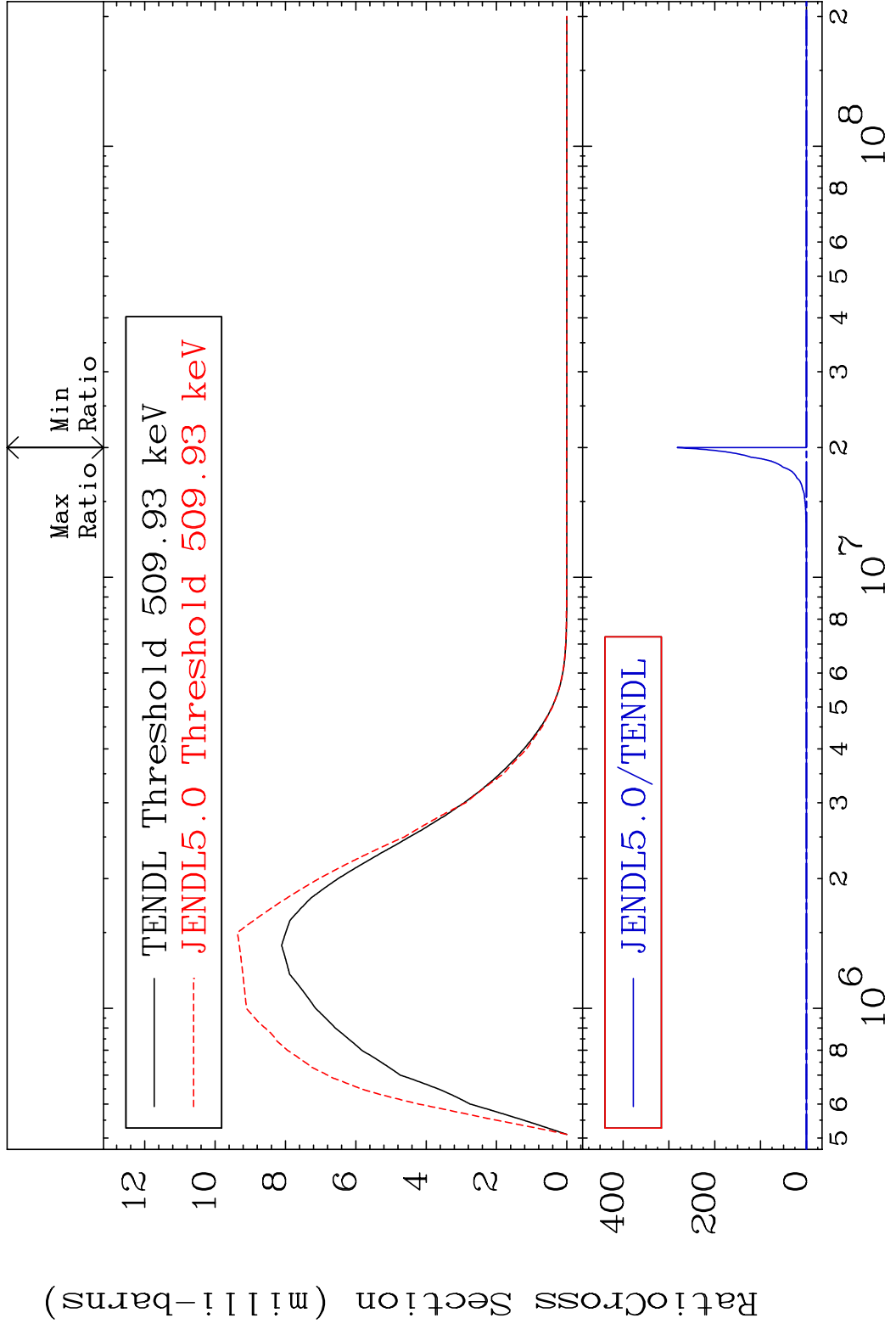
MAT 5223 MT= 65 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



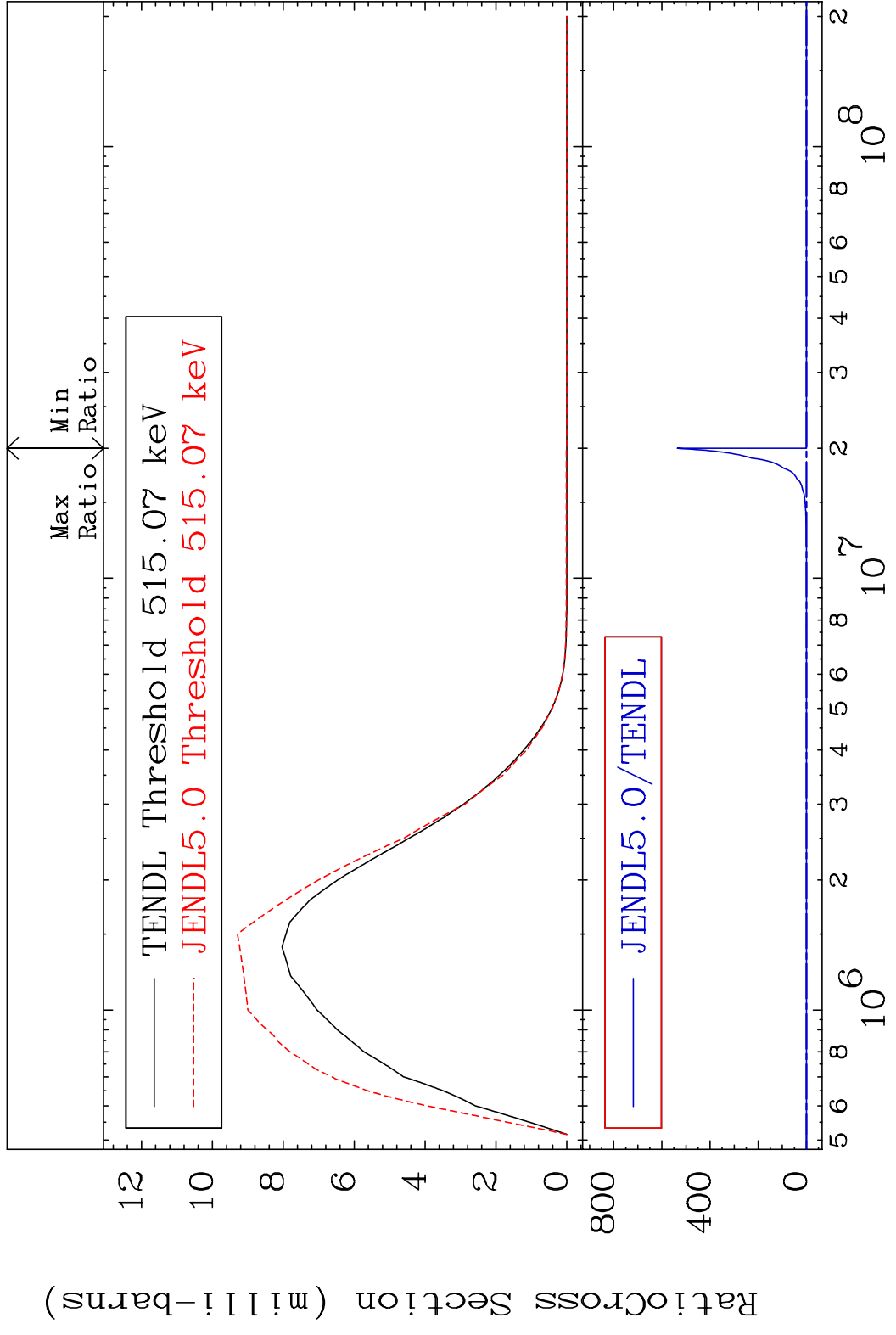
MAT 5223 MT= 66 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



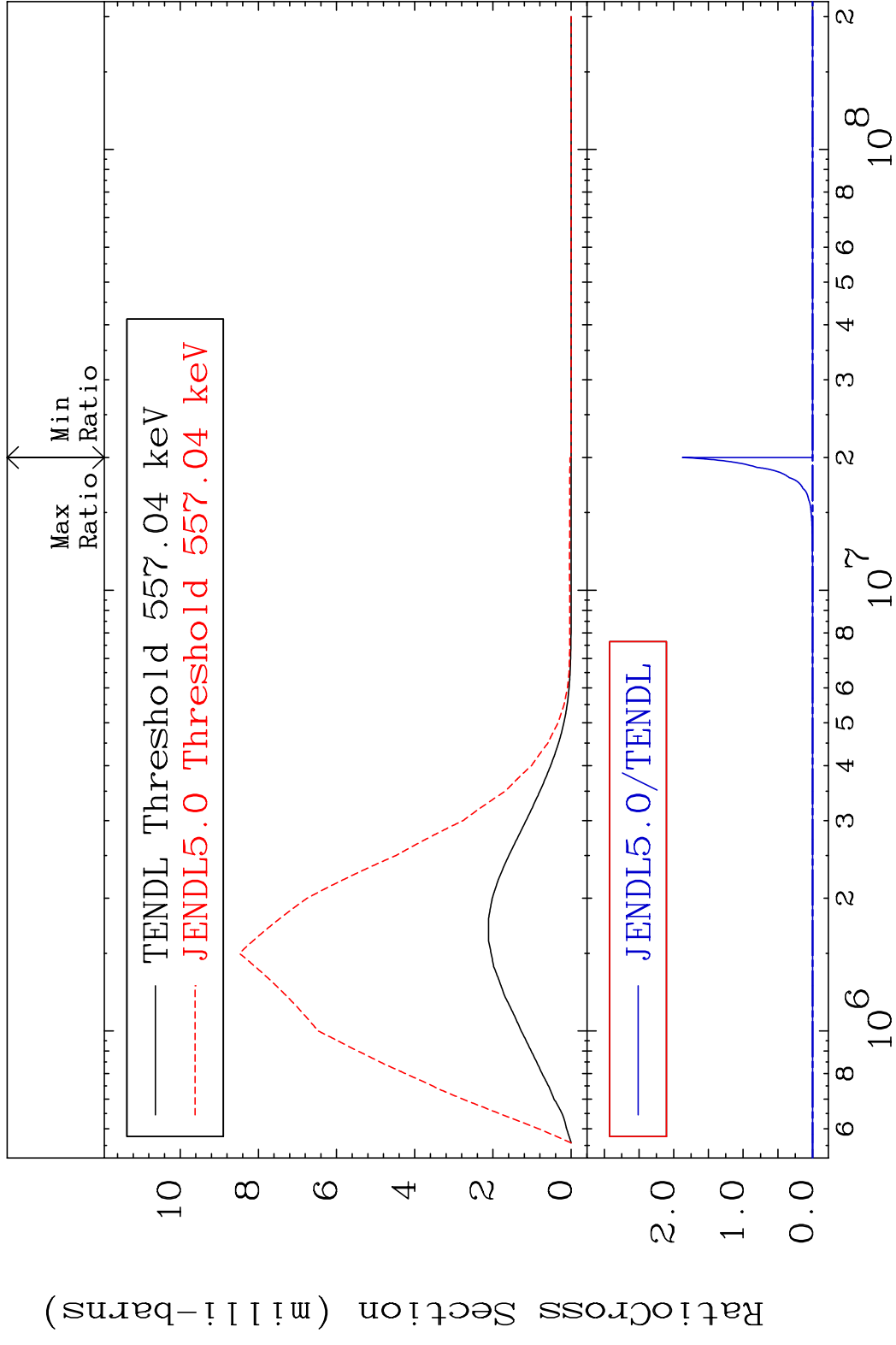
MAT 5223 MT= 67 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



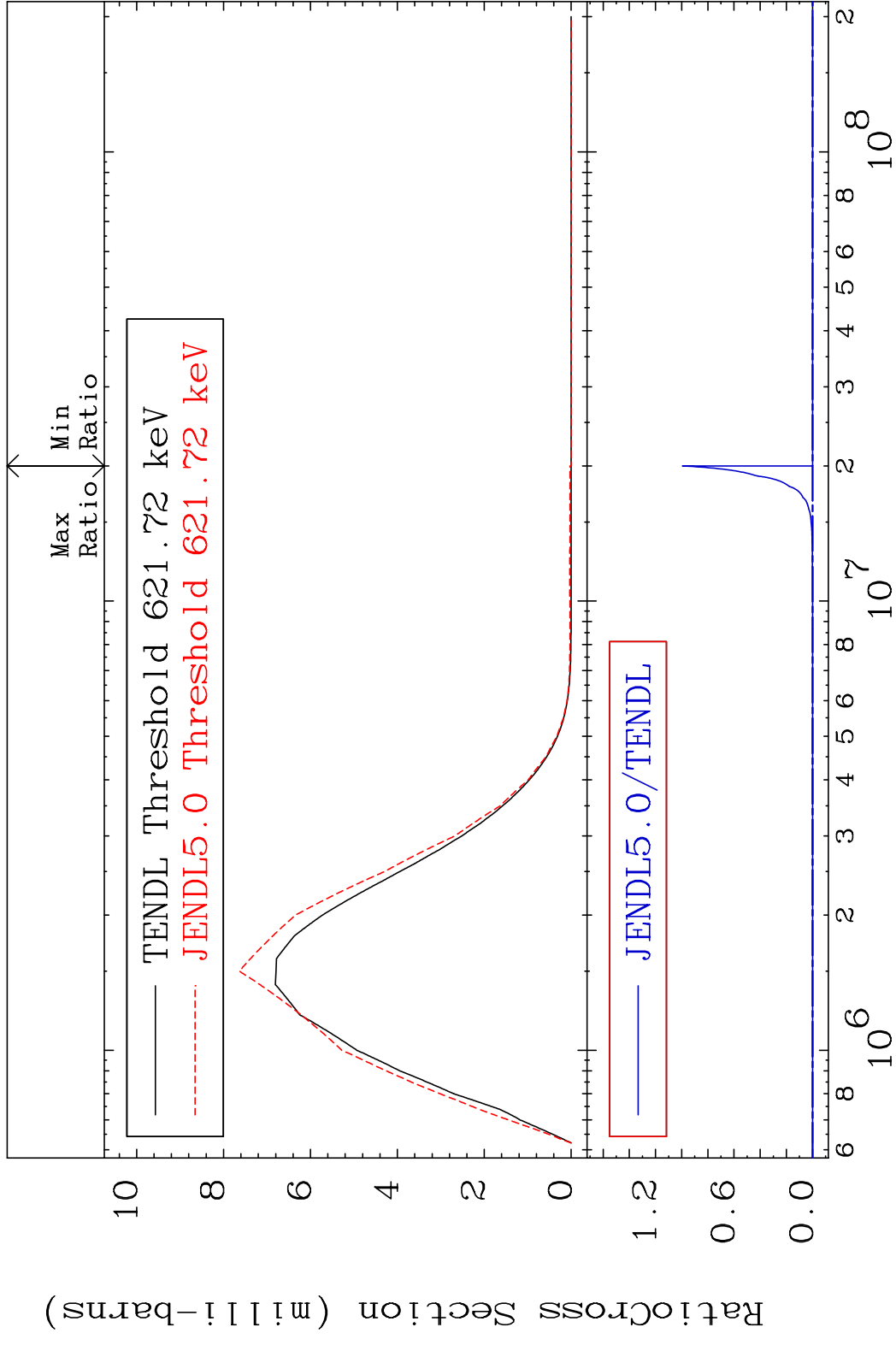
MAT 5223 MT= 68 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



MAT 5223 MT= 69 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %

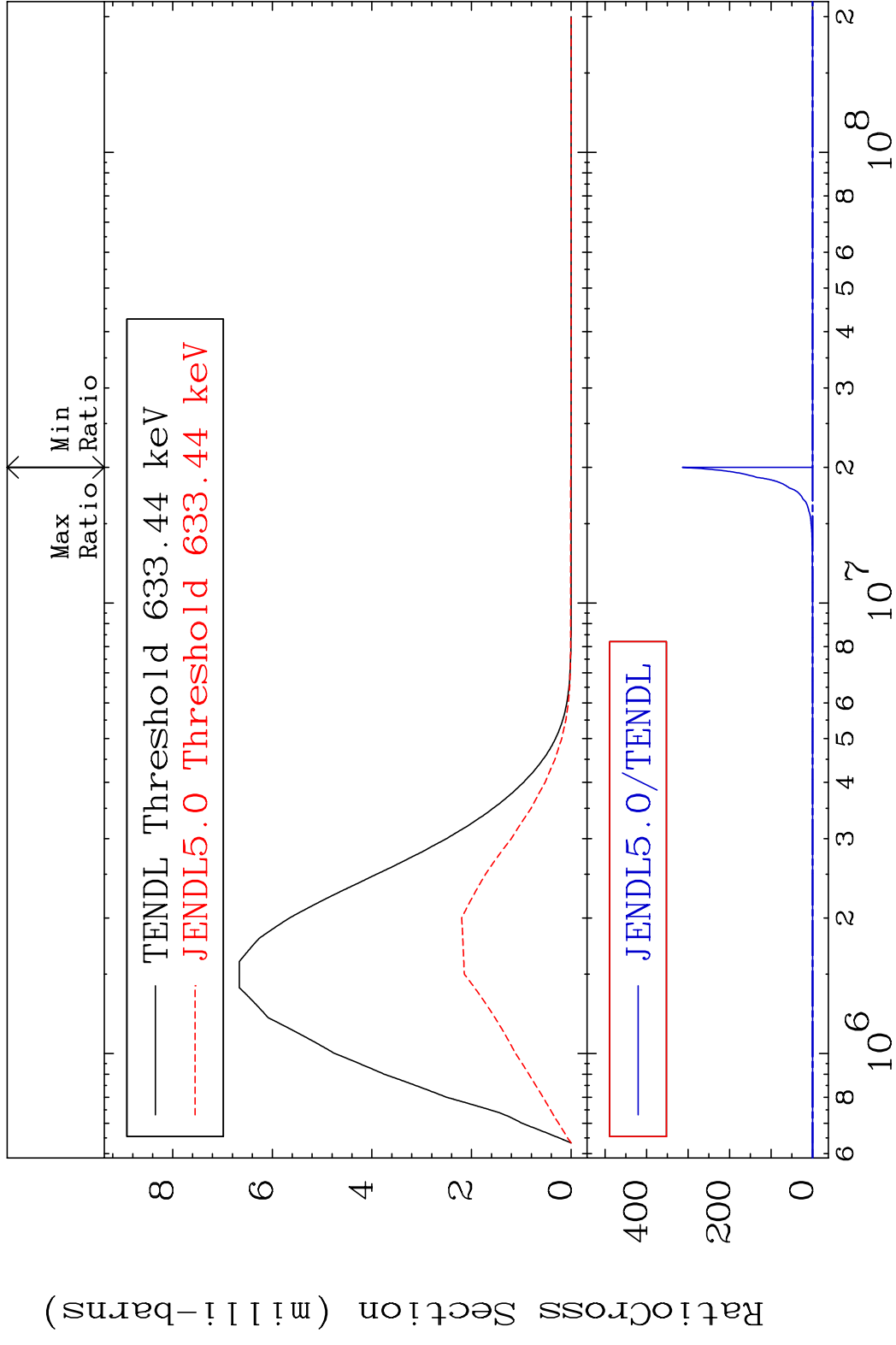


MAT 5223 MT= 70 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



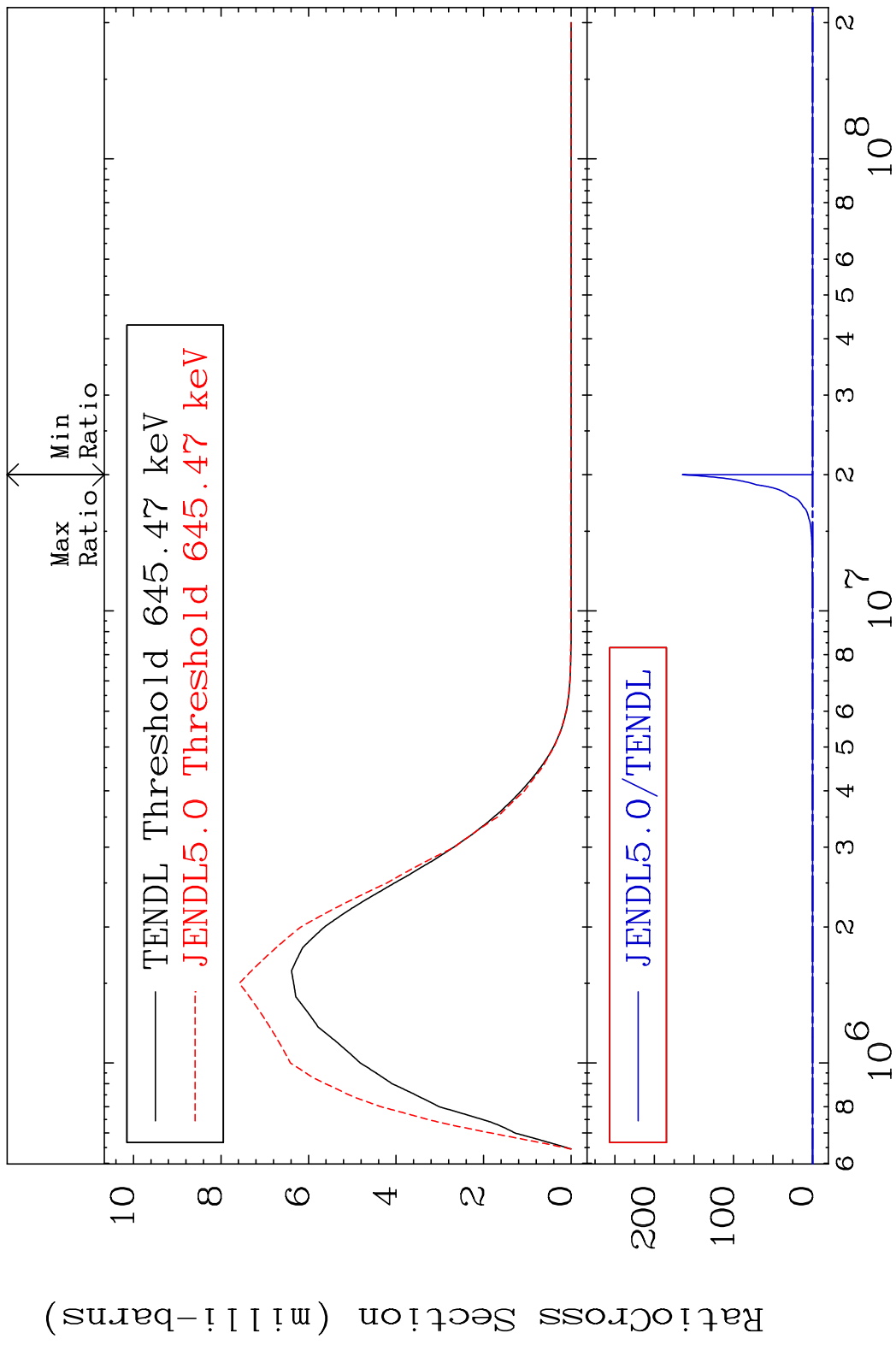
32 Incident Energy (eV) 52-Te-119m

MAT 5223 MT= 71 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %

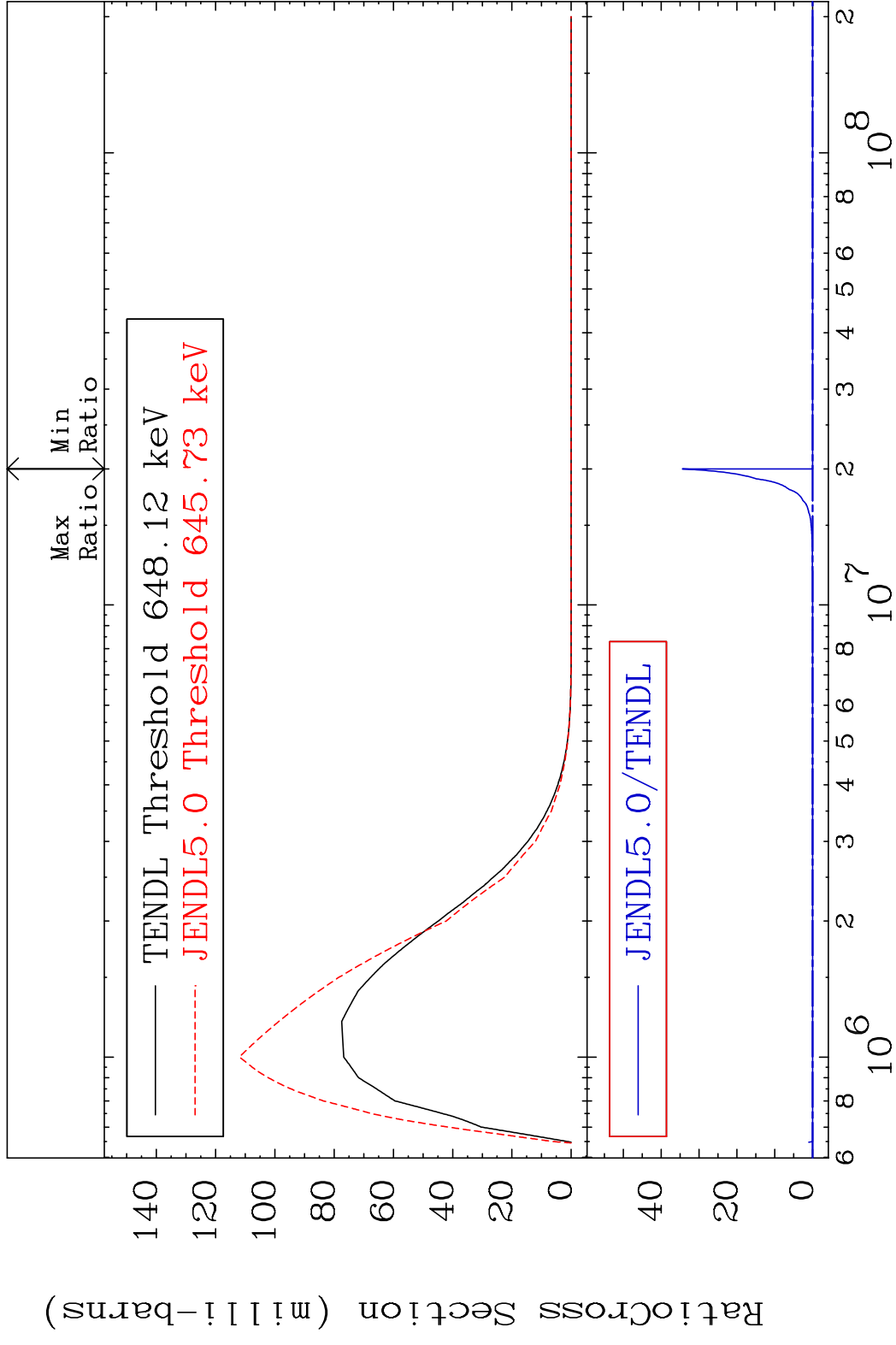


33 Incident Energy (eV) 52-Te-119m

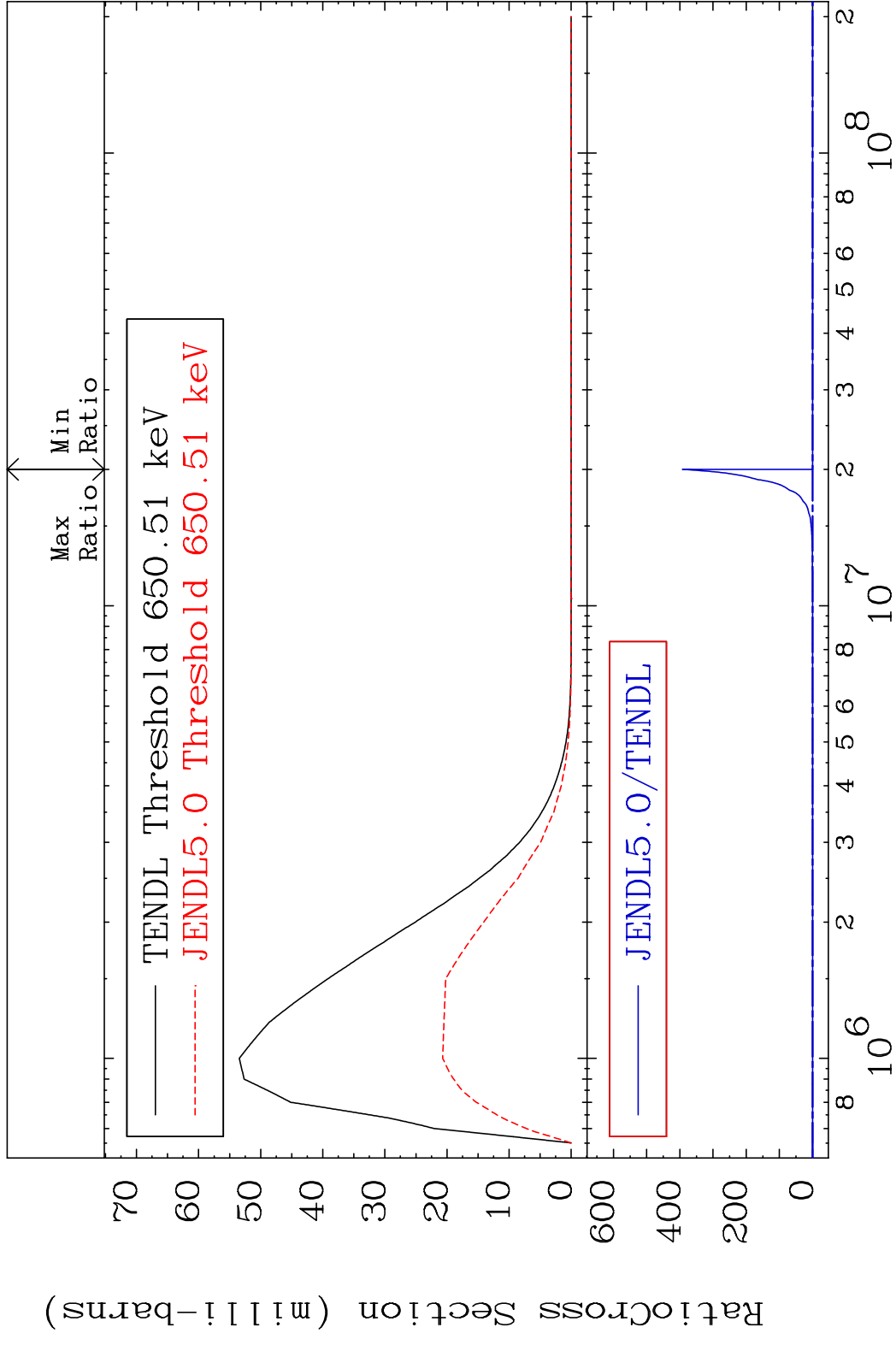
MAT 5223 MT= 72 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



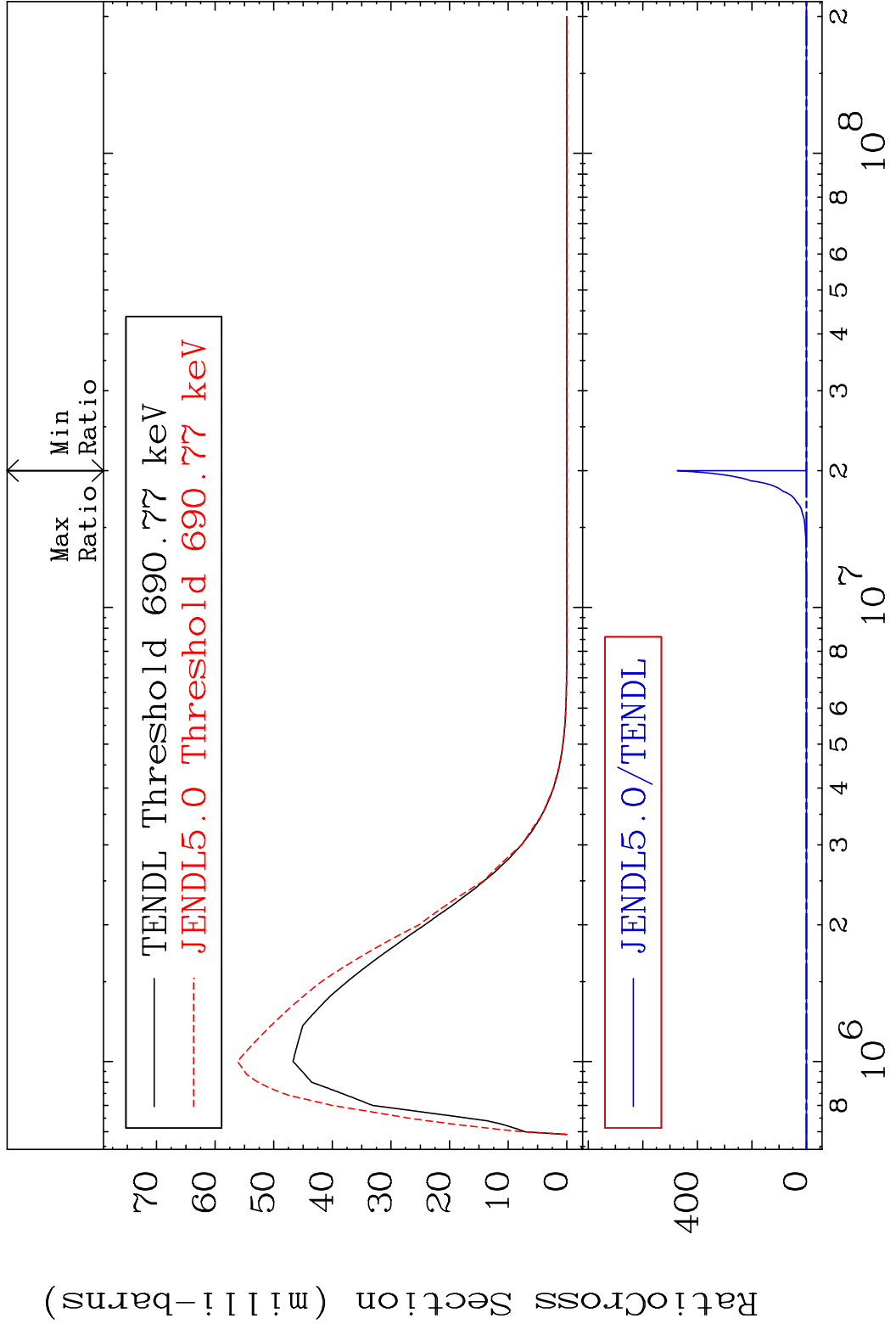
MAT 5223 MT= 73 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



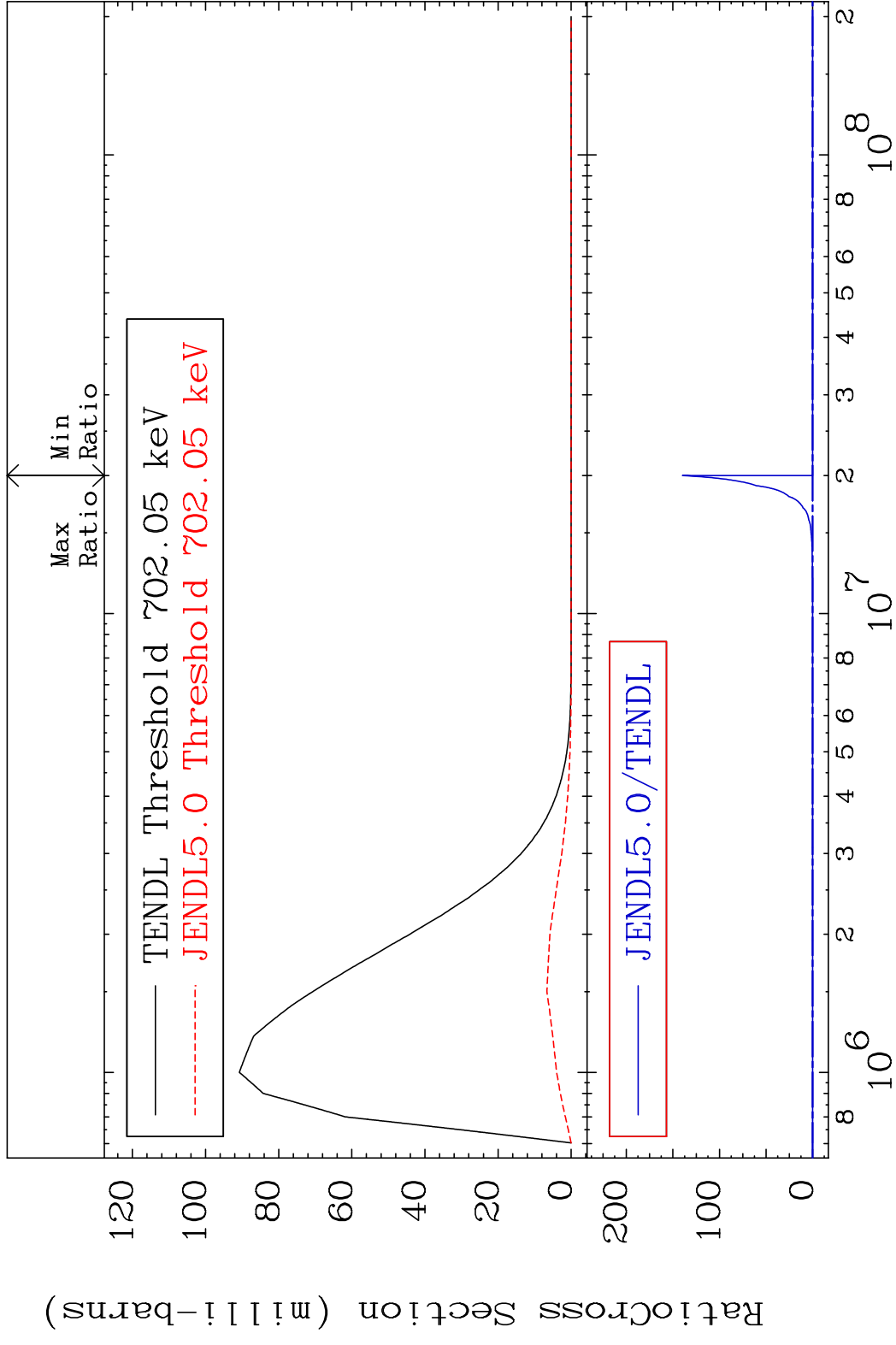
MAT 5223 MT= 74 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



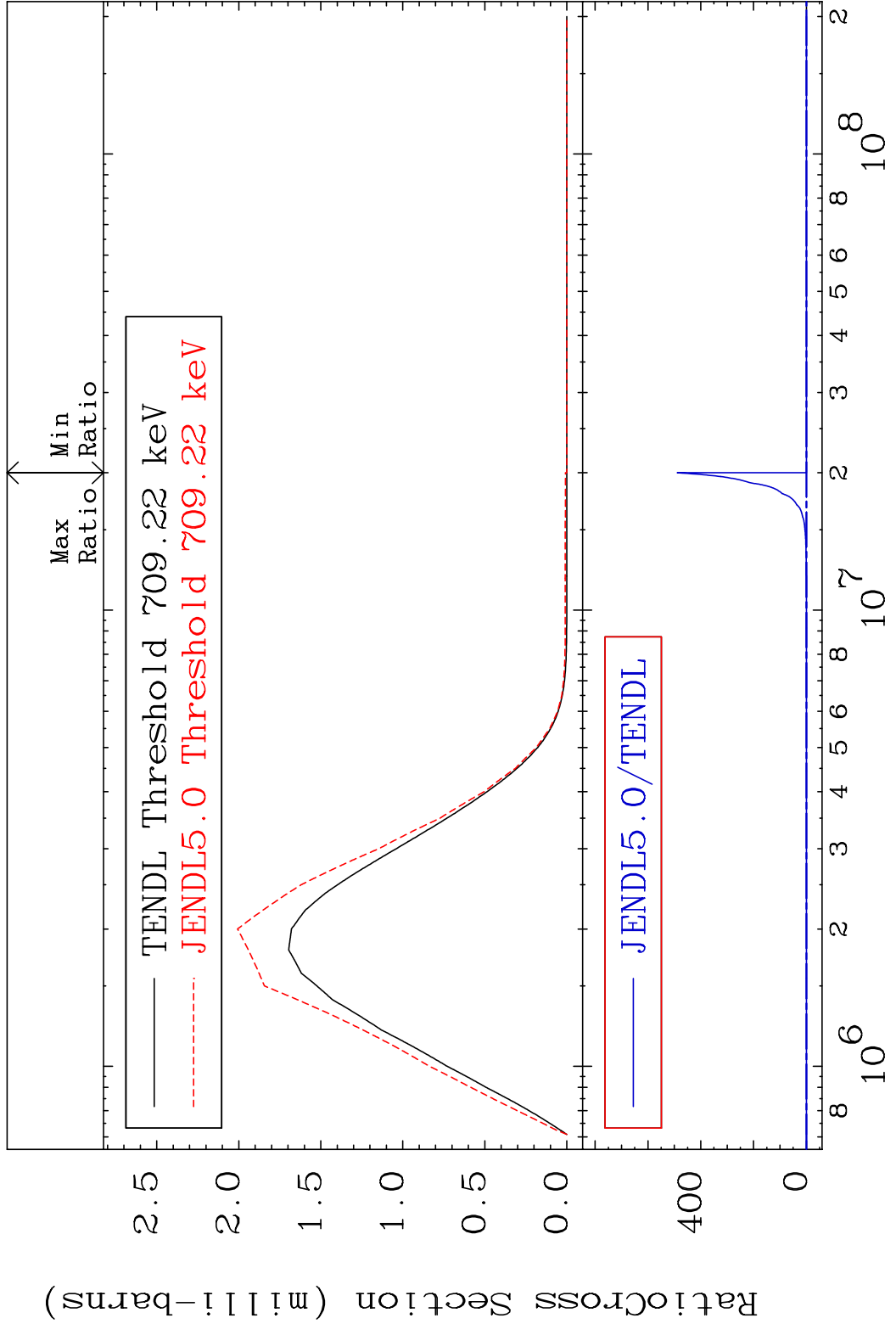
MAT 5223 MT= 75 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



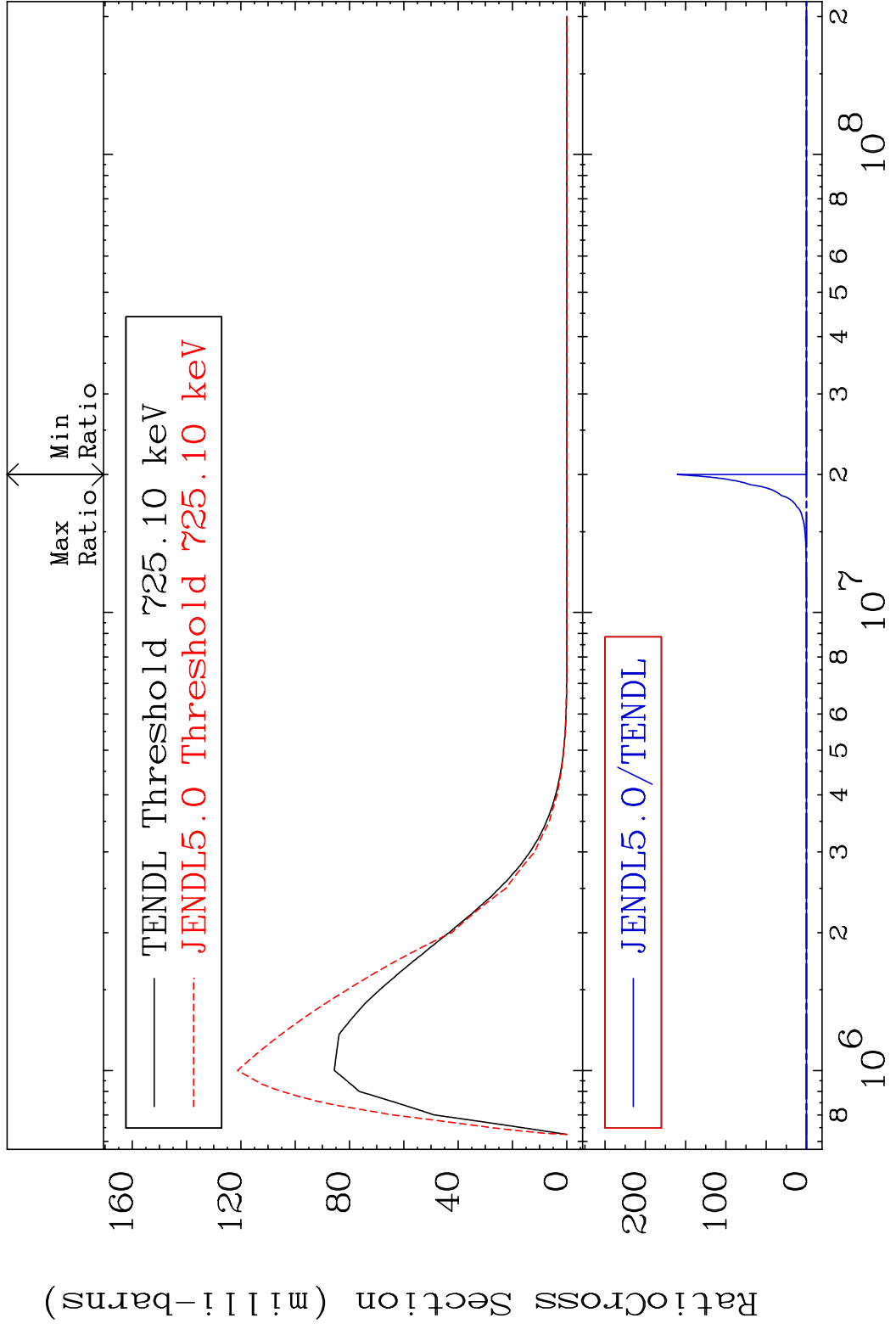
MAT 5223 MT= 76 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



MAT 5223 MT= 77 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %

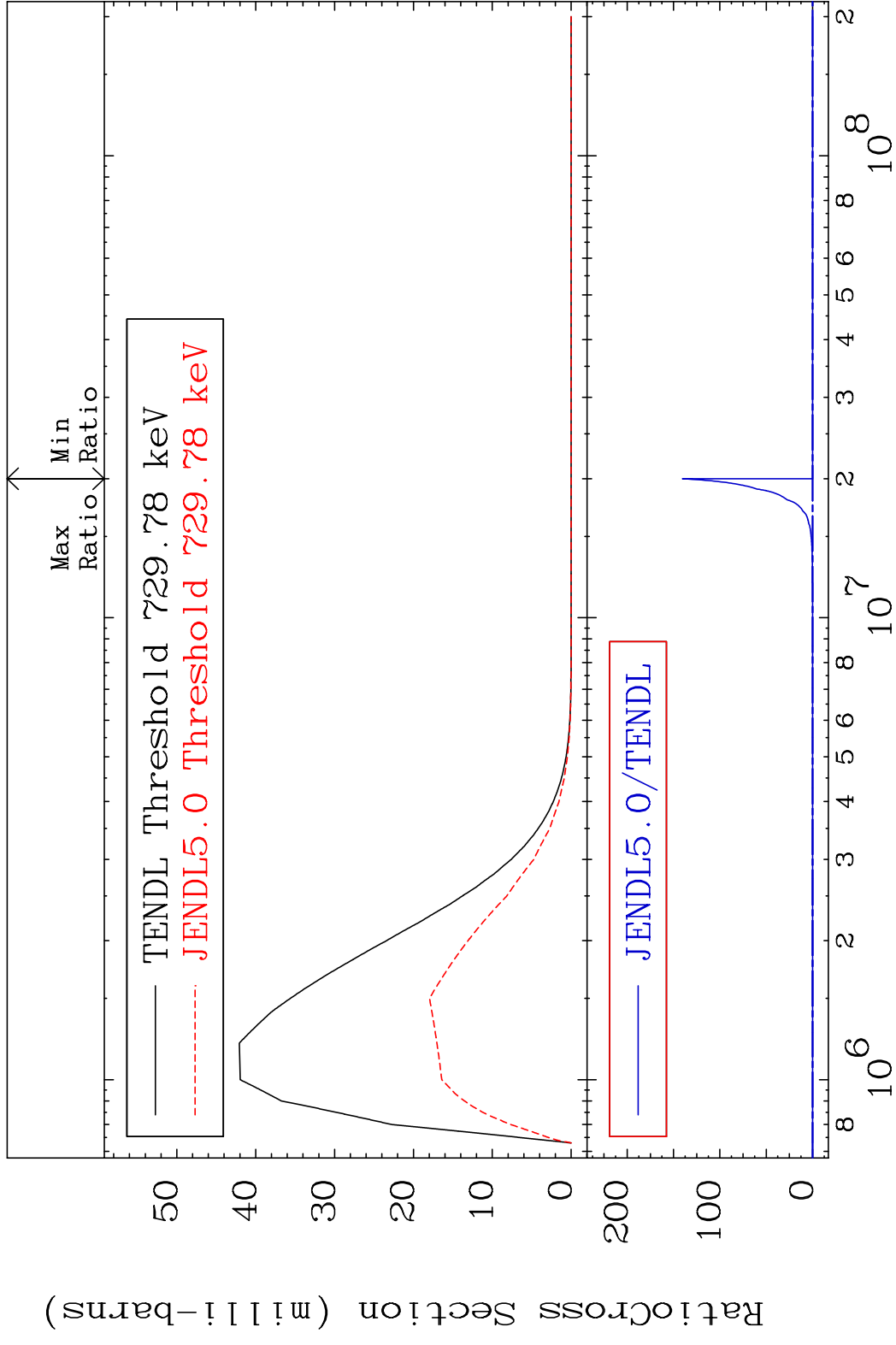


MAT 5223 MT= 78 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 52-Te-119m

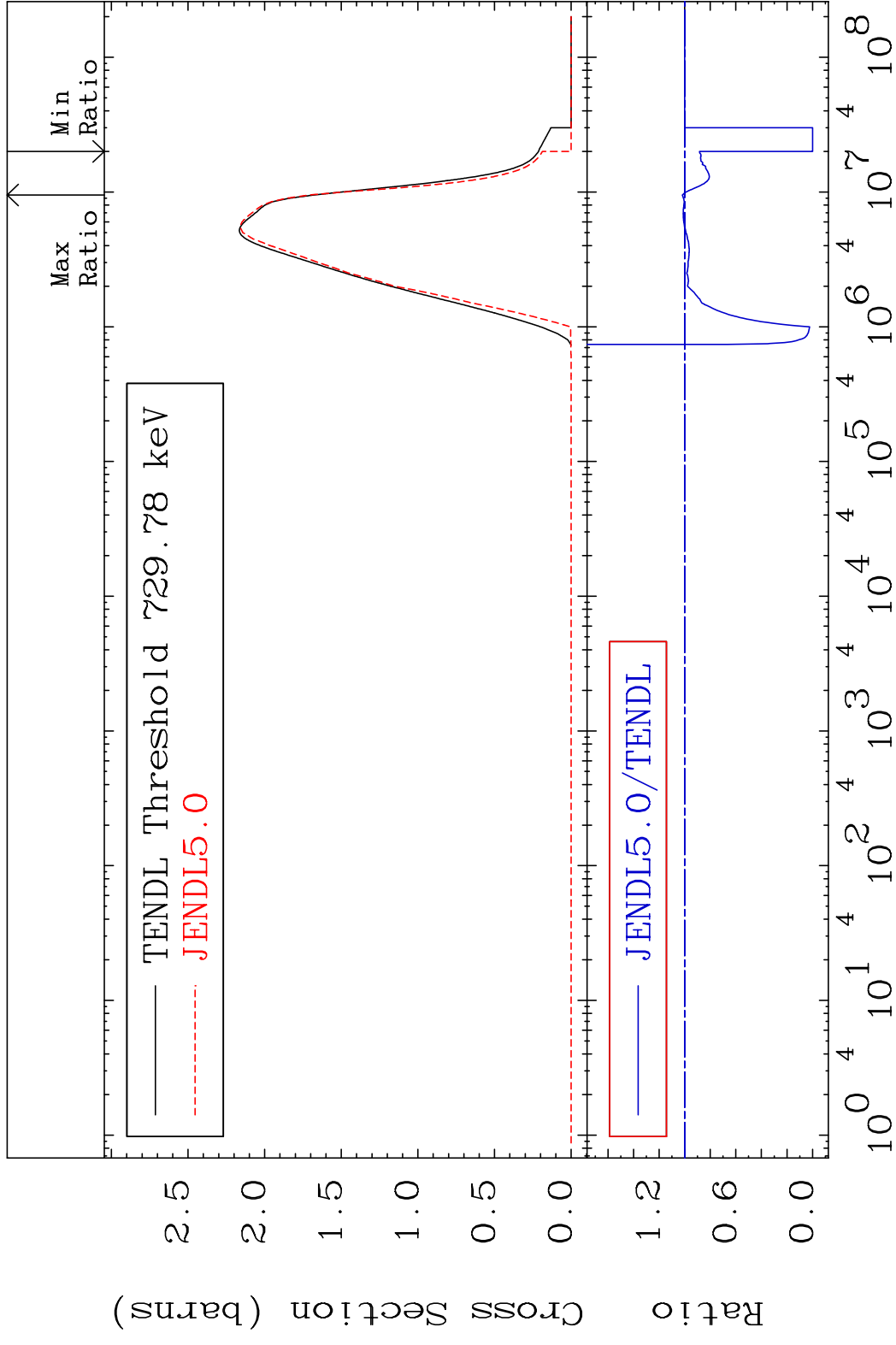
MAT 5223 MT= 79 (n, n') Level 52-Te-119m
 Cross Section -100.0 To 9999. %



MAT 5223

(n,n') Continuum
Cross Section -100.0 To 1.823 %

52-Te-119m



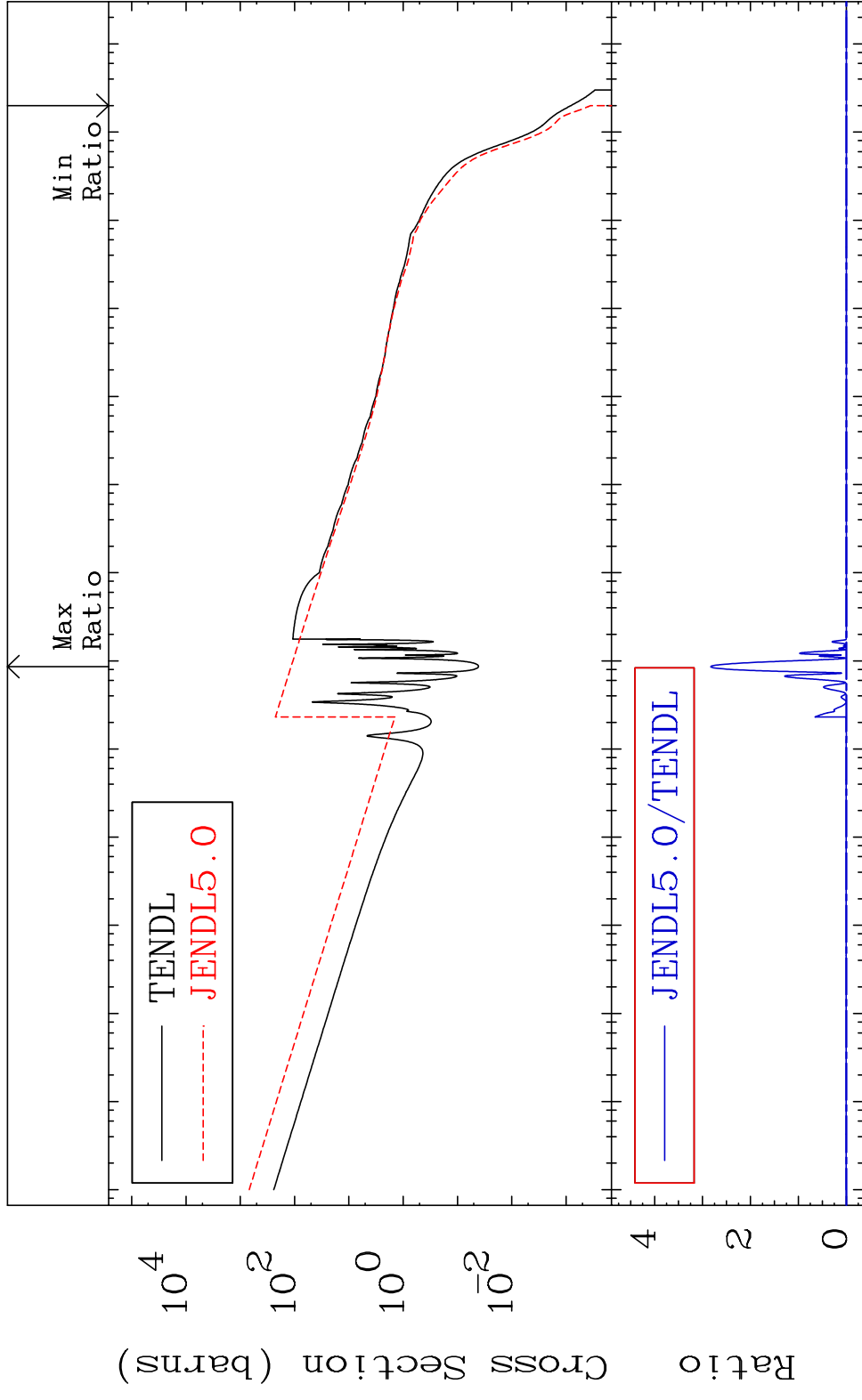
42

Incident Energy (eV)

52-Te-119m

MAT 5223

(n, γ)
Cross Section -100.0 To 9999. %
52-Te-119m



43

Incident Energy (eV)

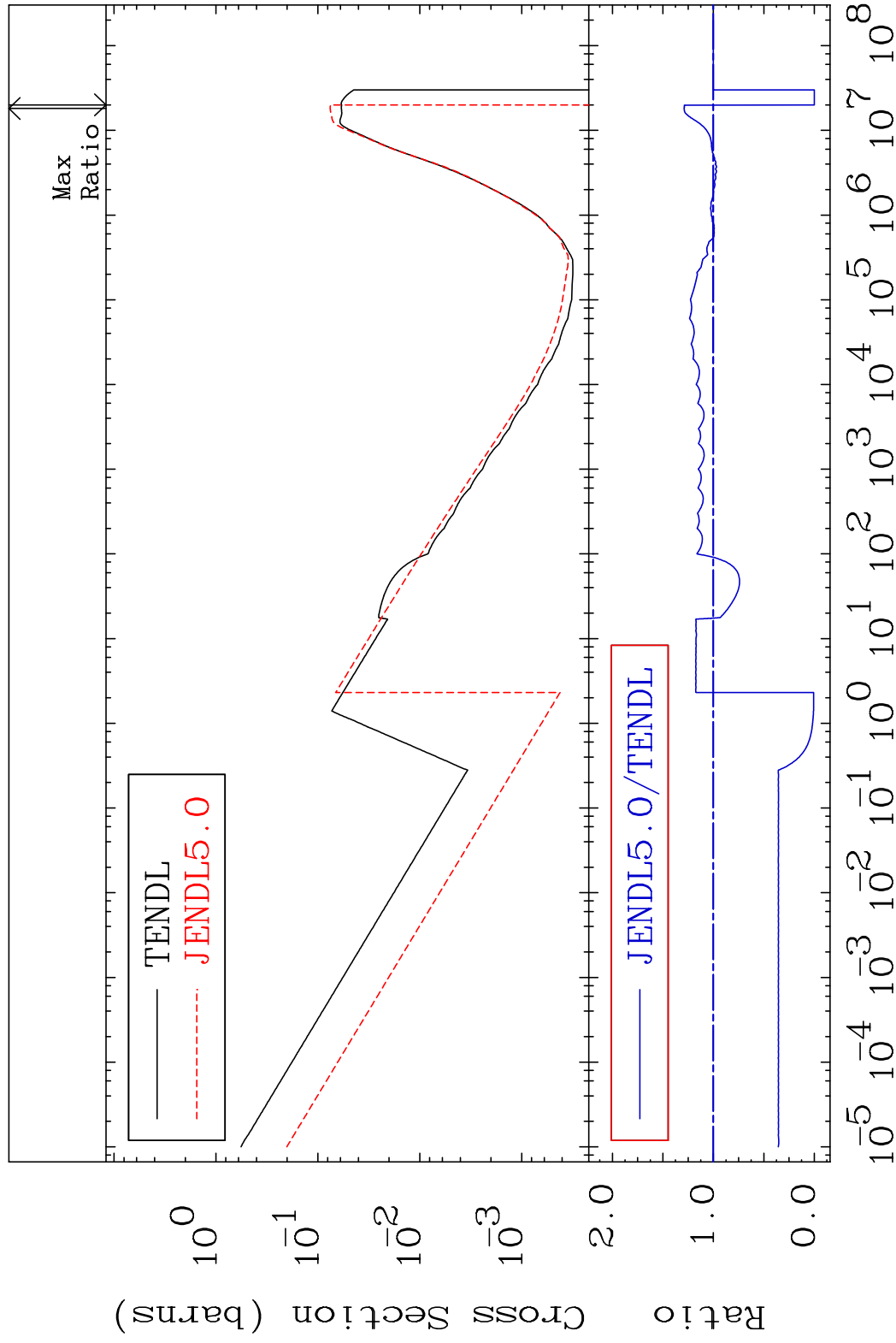
52-Te-119m

MAT 5223

(n, p)

52-Te-119m

Cross Section -100.0 To 29.02 %



44

Incident Energy (eV)

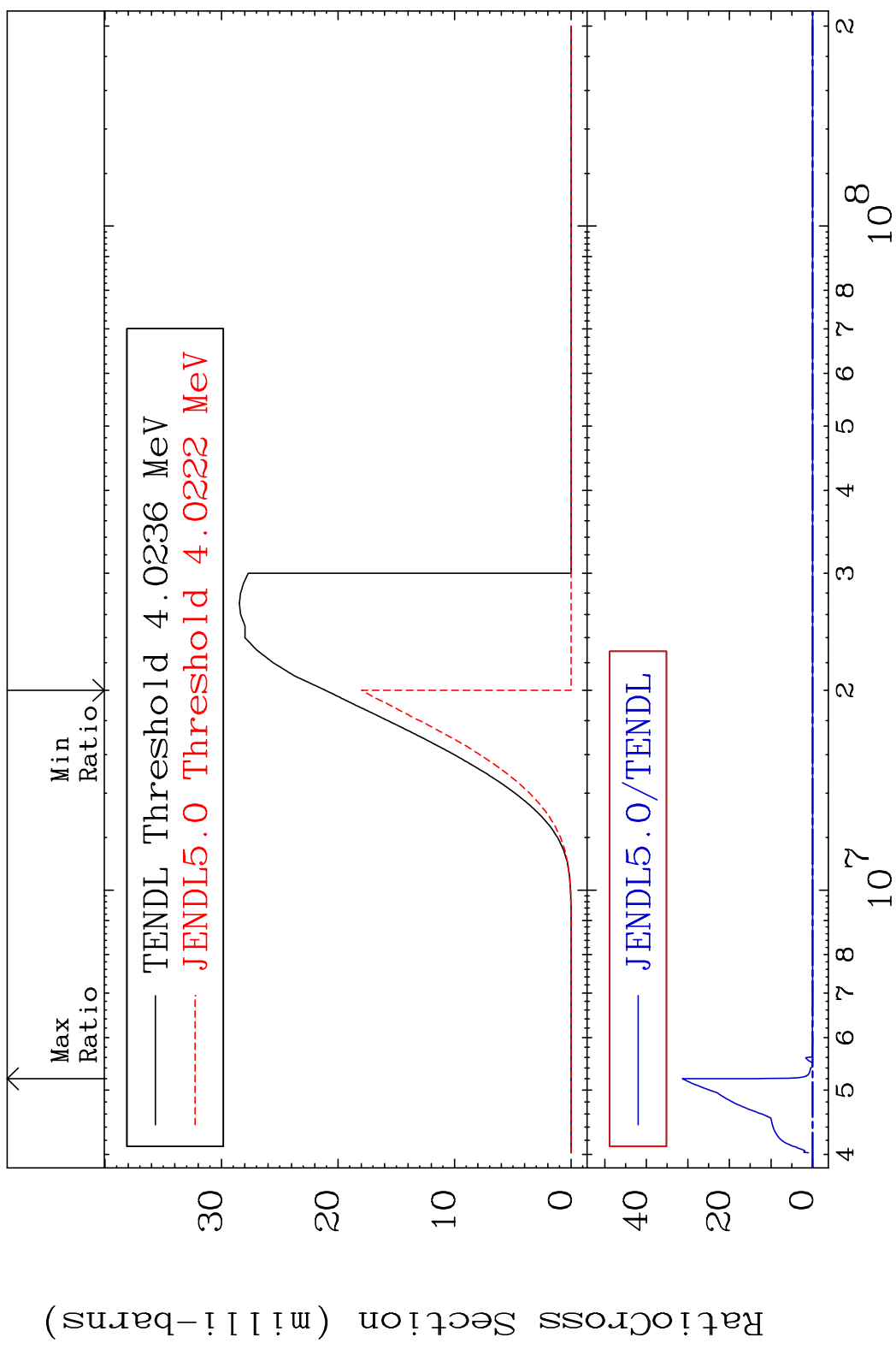
52-Te-119m

MAT 5223

(n, d)

52-Te-119m

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

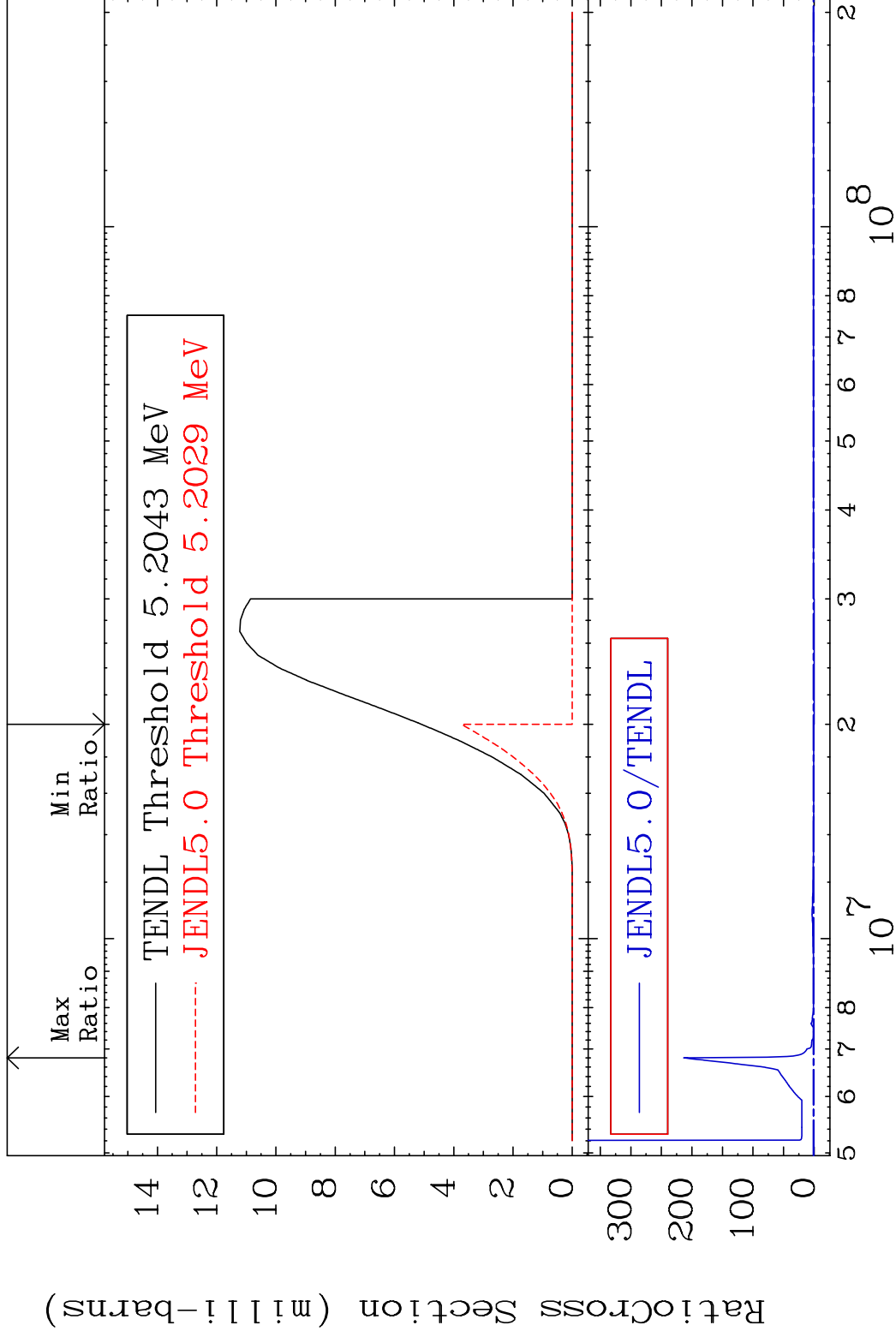
52-Te-119m

MAT 5223

(n, t)

52-Te-119m

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

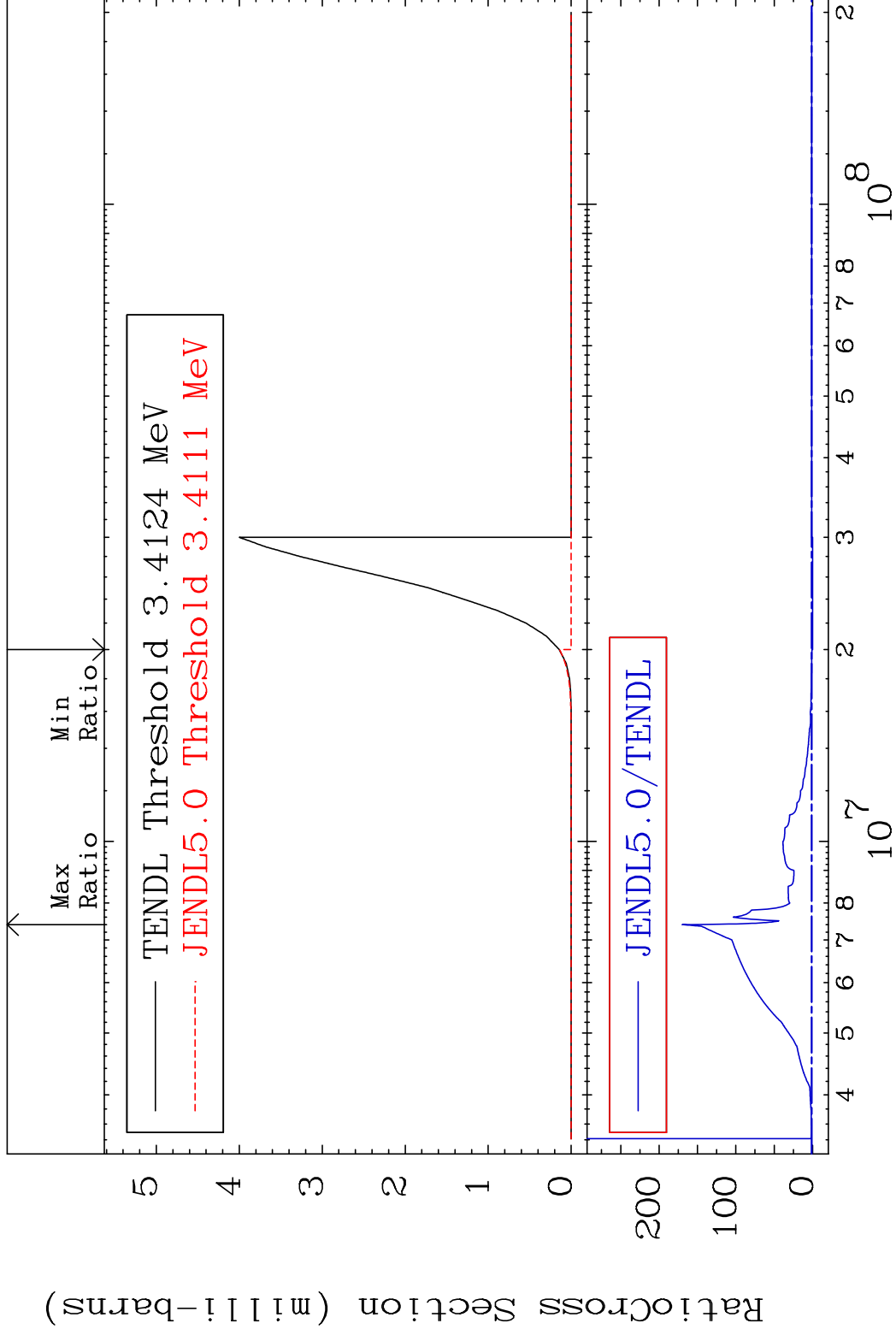
52-Te-119m

MAT 5223

(n, He-3)

52-Te-119m

Cross Section -100.0 To 9999. %



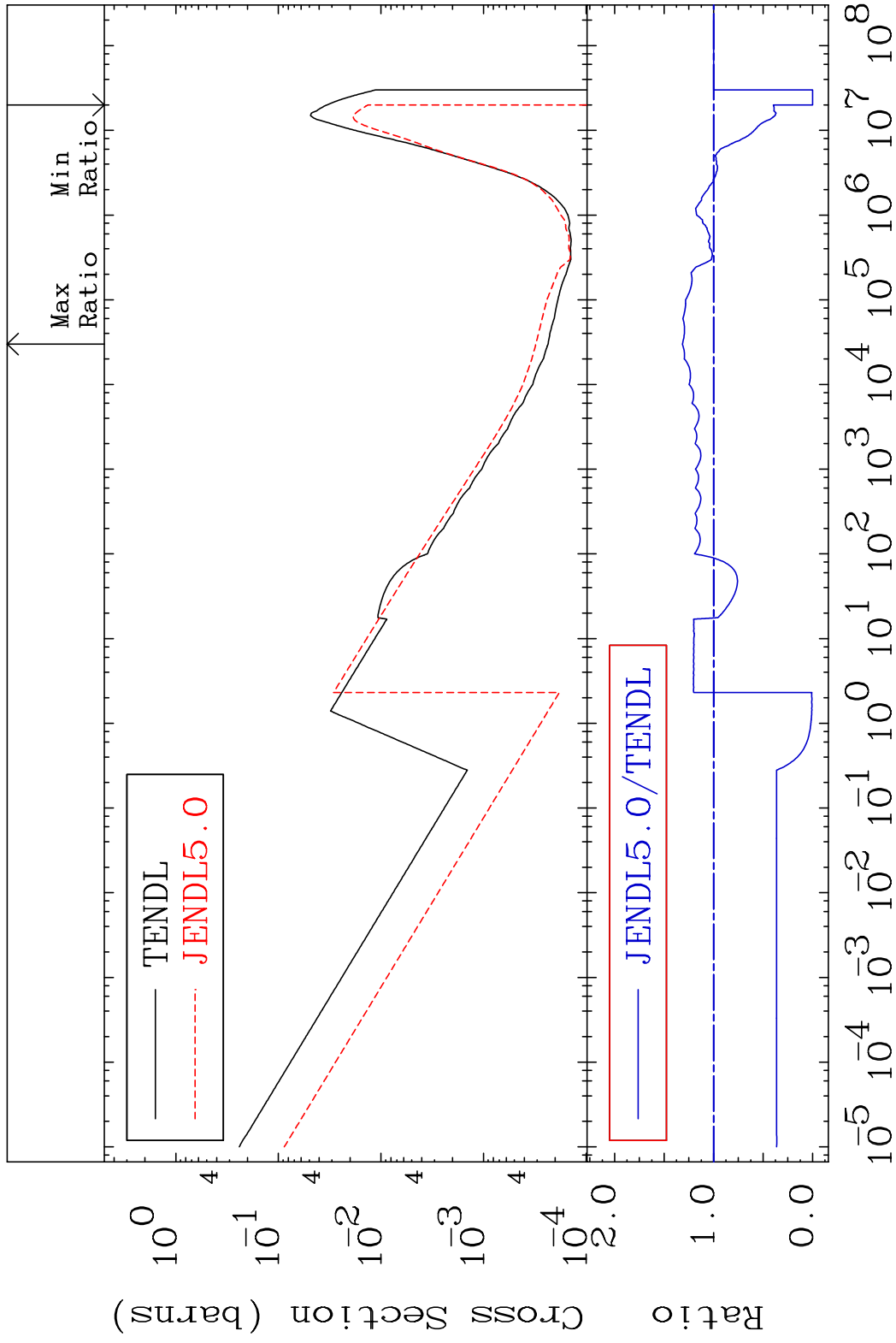
47

Incident Energy (eV)

52-Te-119m

MAT 5223

(n, α)
Cross Section -100.0 To 31.56 %
52-Te-119m



48

Incident Energy (eV)

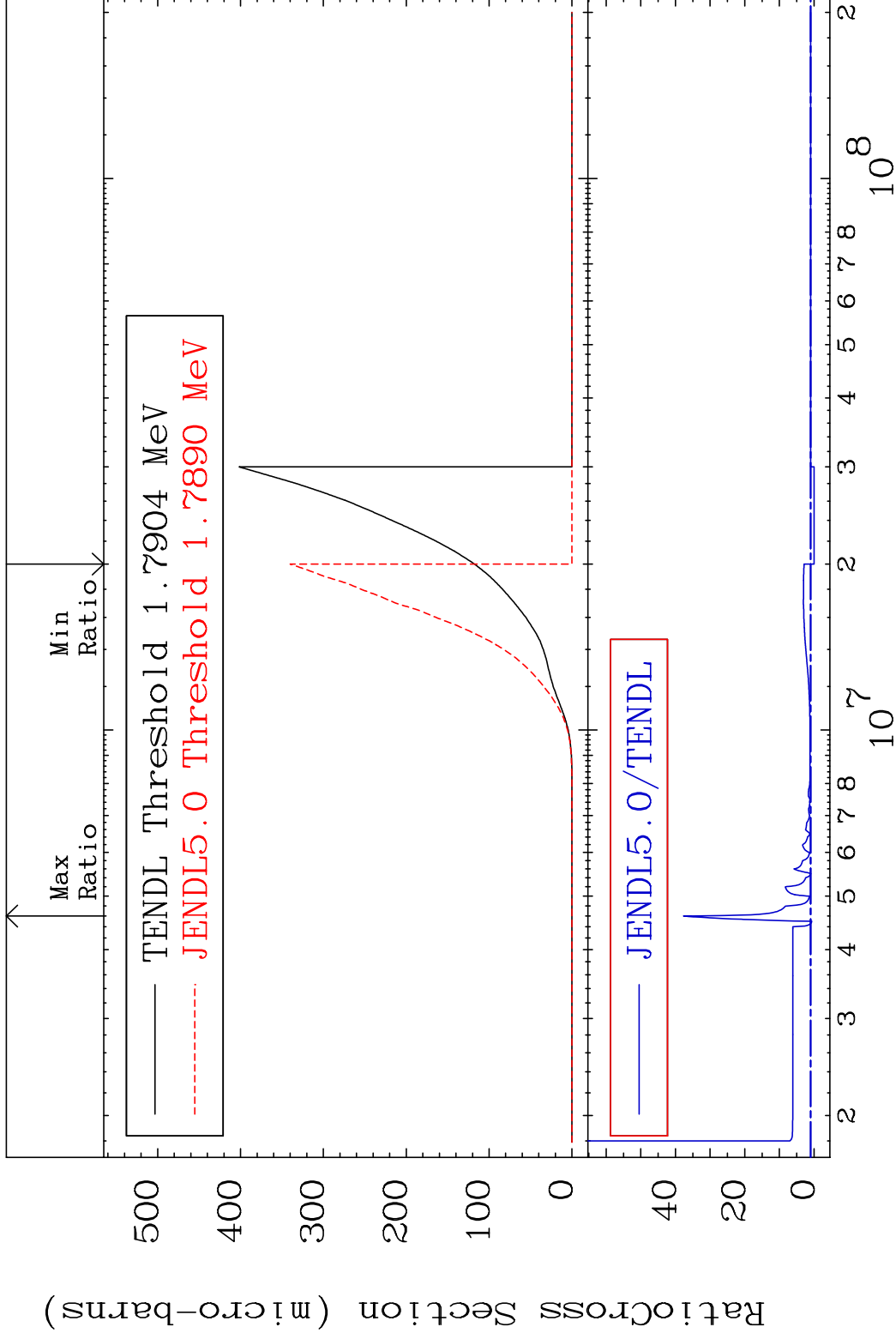
52-Te-119m

MAT 5223

(n,2p)

52-Te-119m

Cross Section -100.0 To 3669. %



49

Incident Energy (eV)

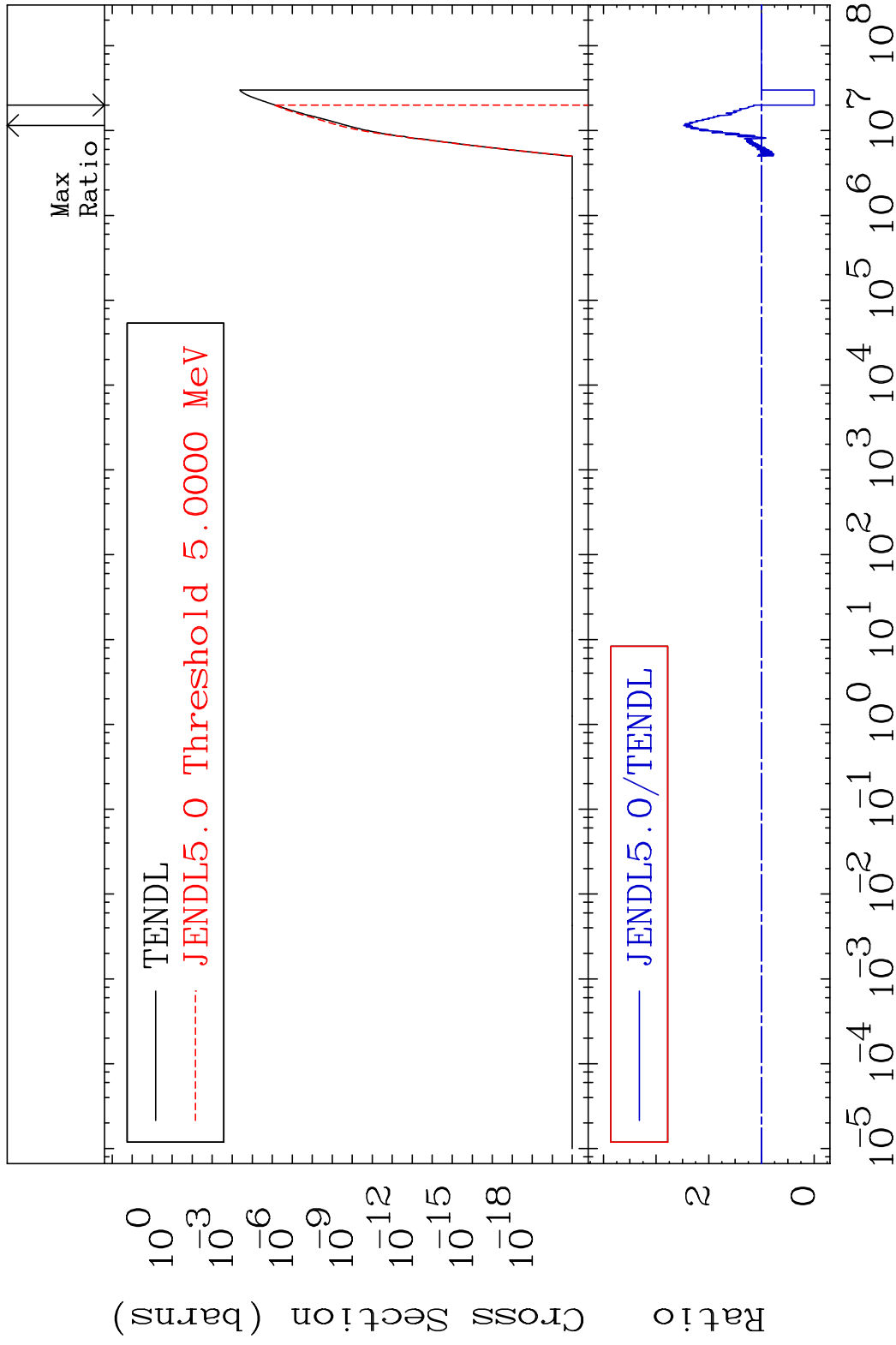
52-Te-119m

MAT 5223

(n,p) α

52-Te-119m

Cross Section -100.0 To 147.7 %



50

Incident Energy (eV)

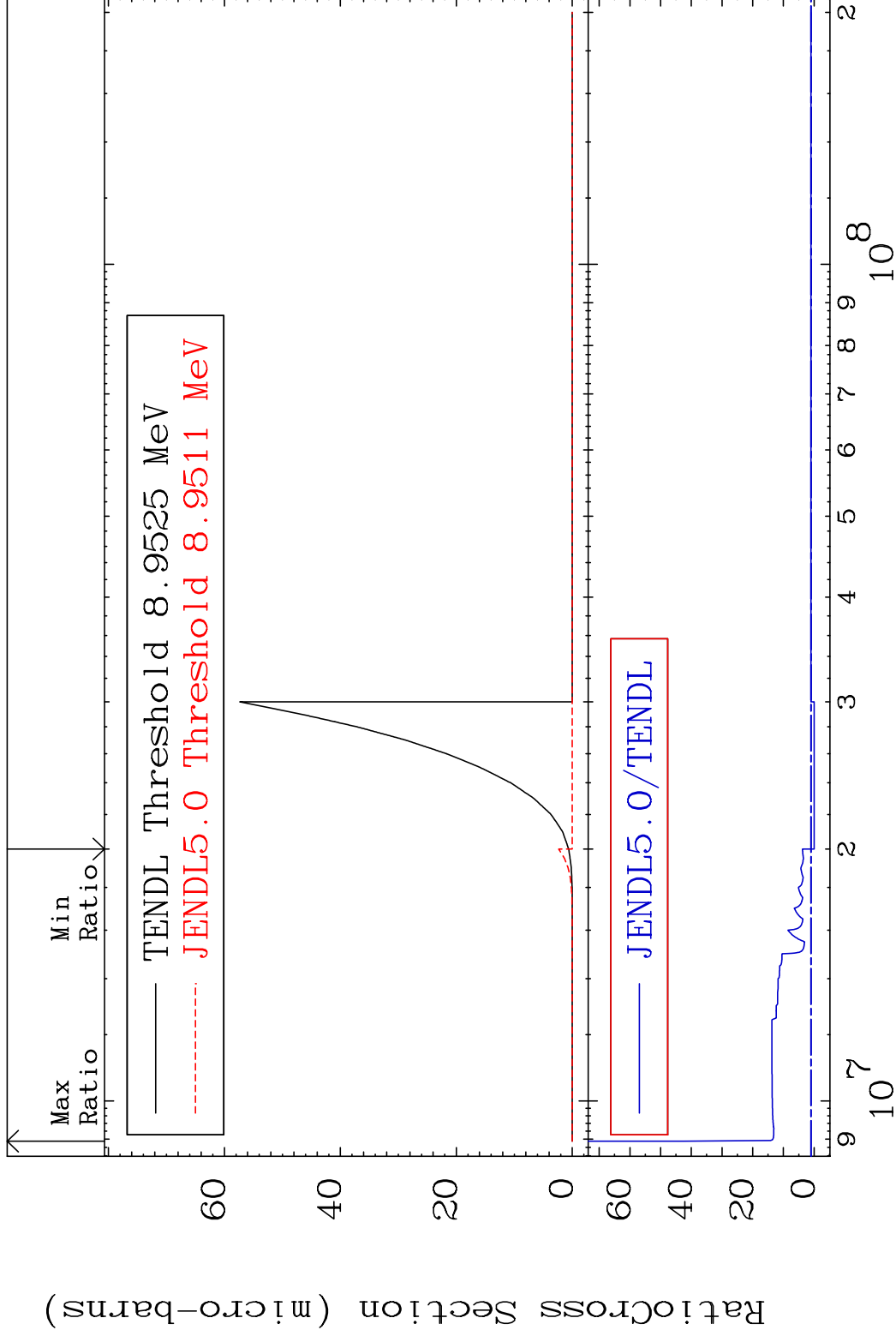
52-Te-119m

MAT 5223

(n,p) d

52-Te-119m

Cross Section -100.0 To 4149. %

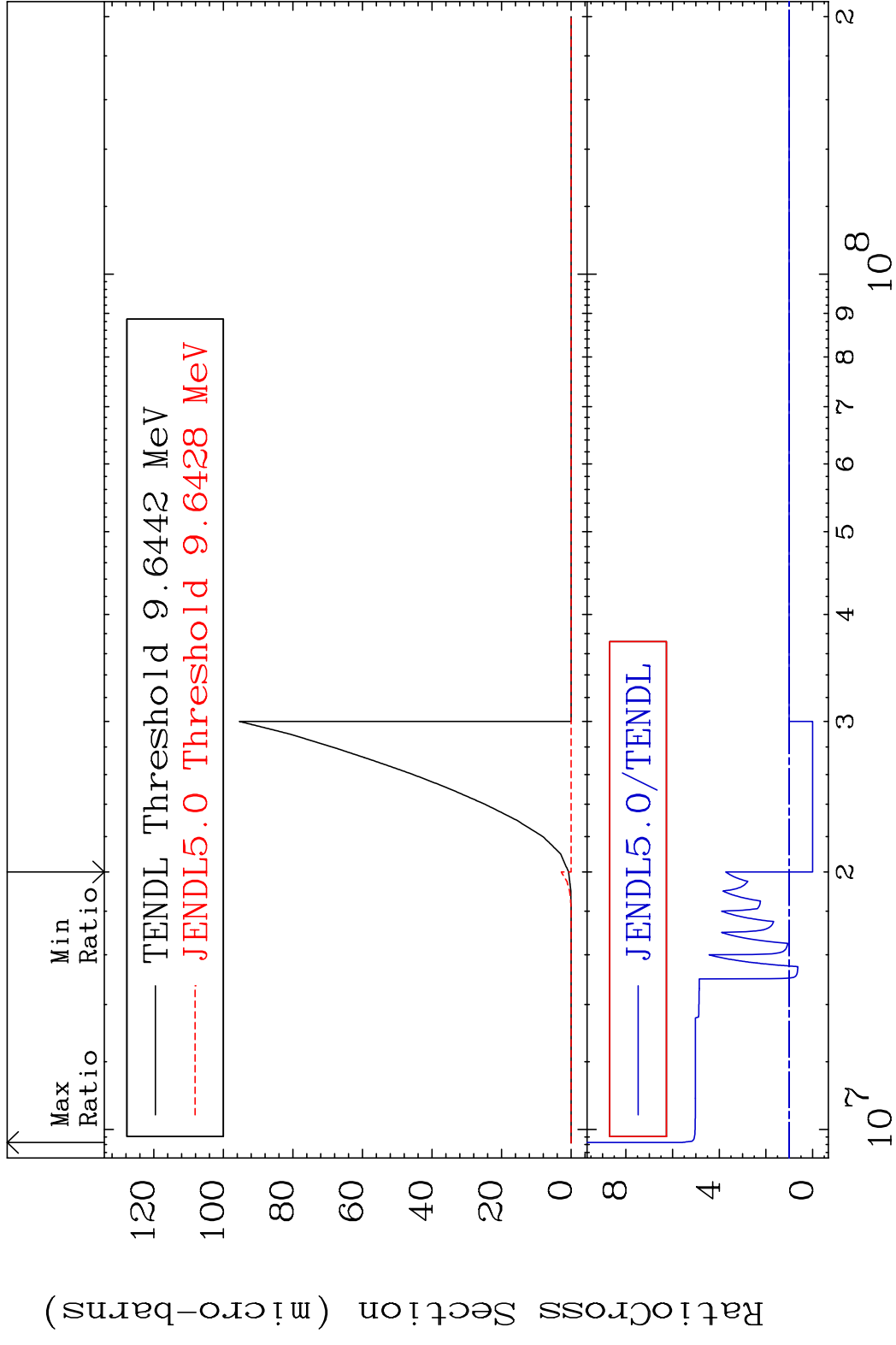


51

Incident Energy (eV)

52-Te-119m

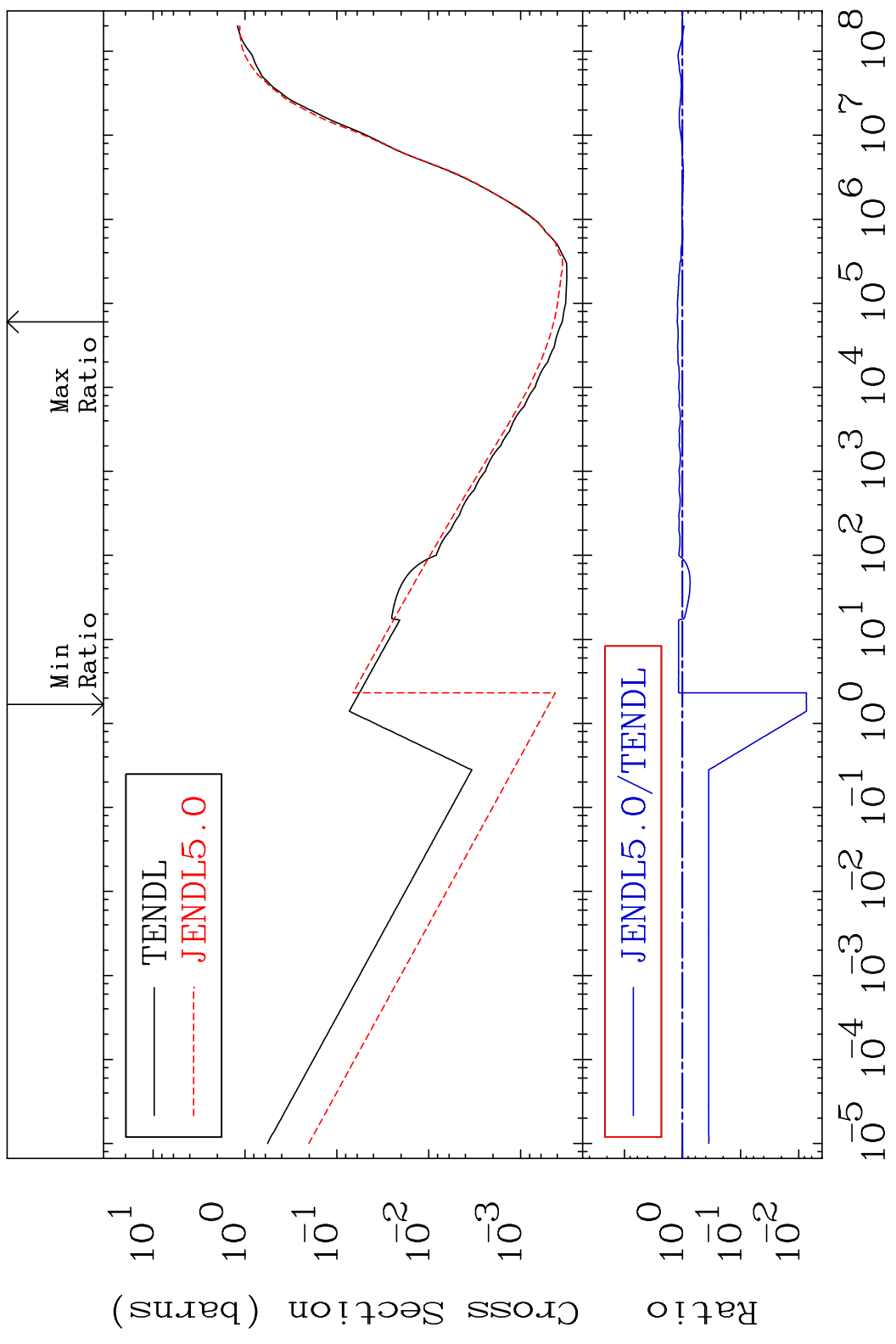
MAT 5223 (n,p) t 52-Te-119m
 Cross Section -100.0 To 458.0 %



52 Incident Energy (eV) 52-Te-119m

MAT 5223

Hydrogen Production 52-Te-119m
Cross Section -99.26 To 23.63 %

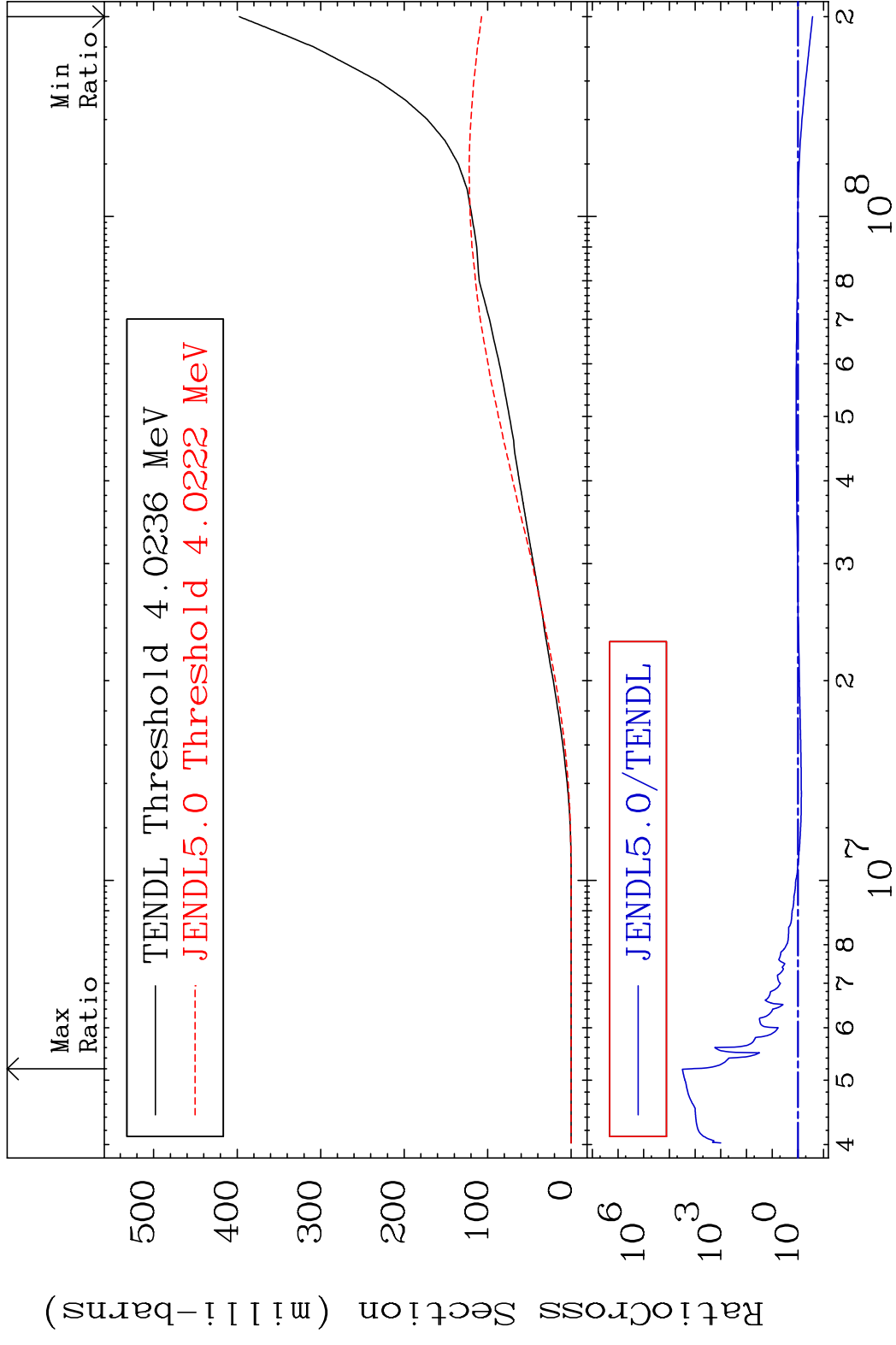


53

Incident Energy (eV) 52-Te-119m

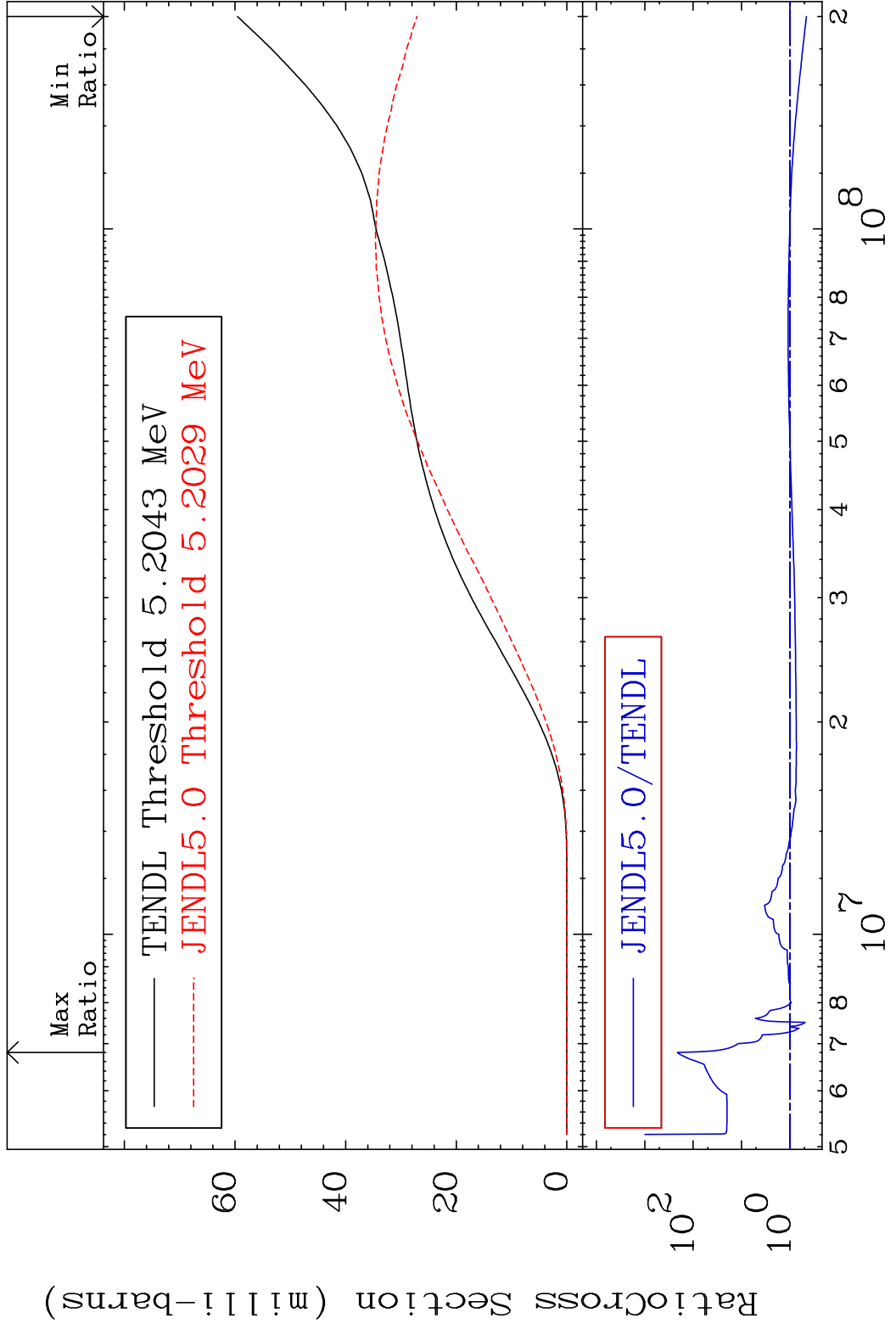
MAT 5223

Deuterium Production 52-Te-119m
Cross Section -72.98 To 9999. %



MAT 5223

Tritium Production 52-Te-119m
Cross Section -54.47 To 9999. %



55

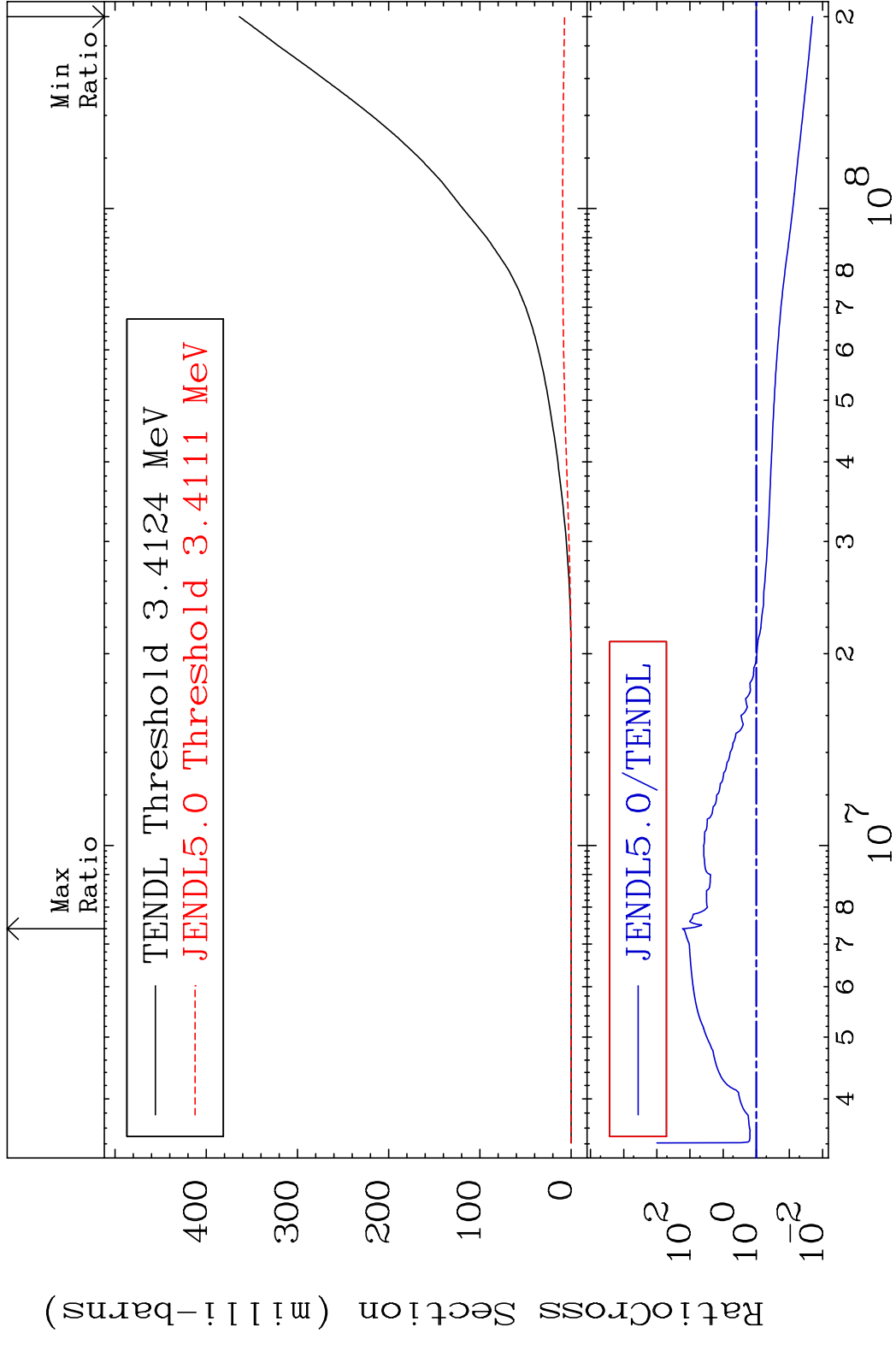
Incident Energy (eV) 52-Te-119m

MAT 5223

He-3 Production

52-Te-119m

Cross Section -98.00 To 9999. %

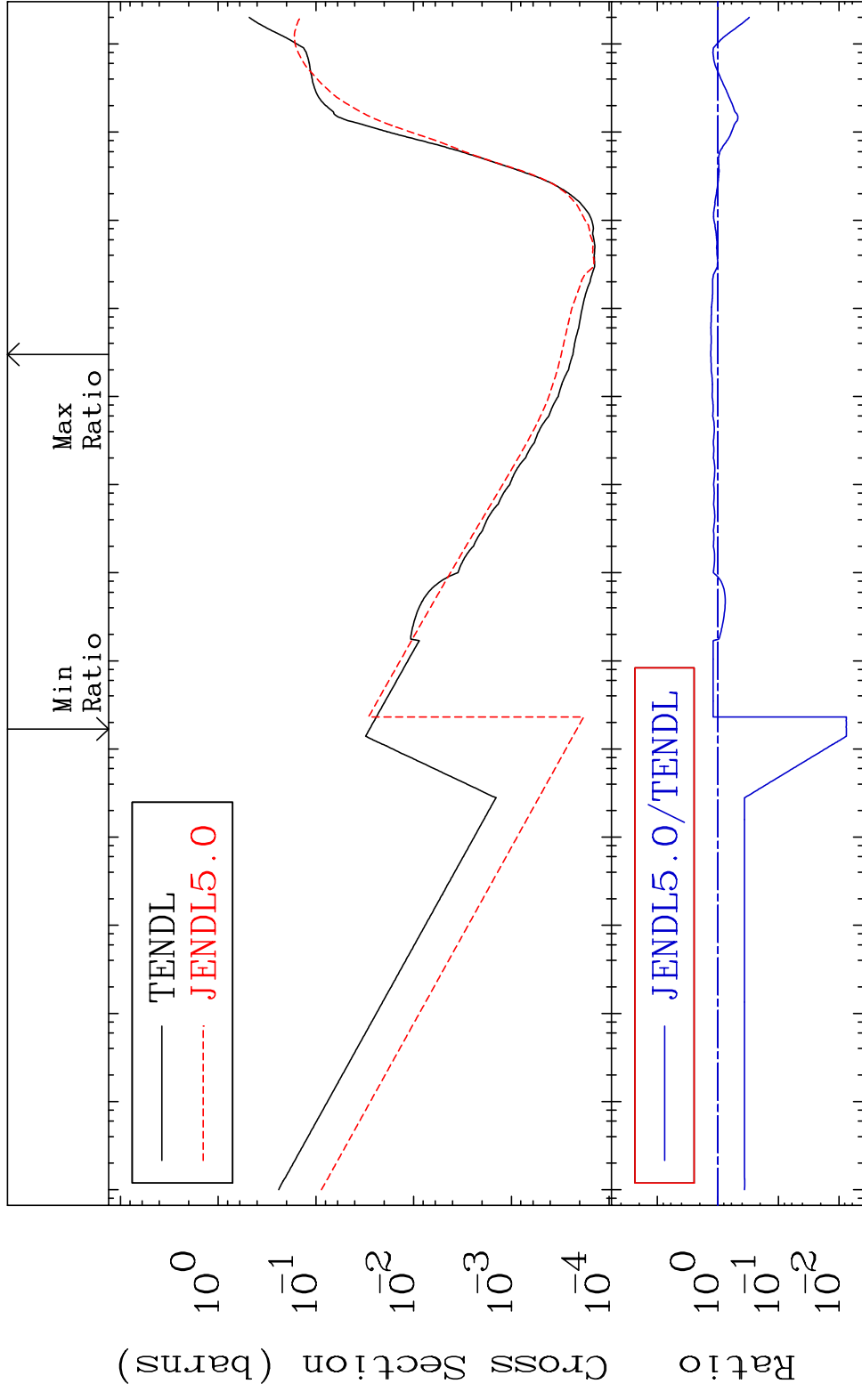


MAT 5223

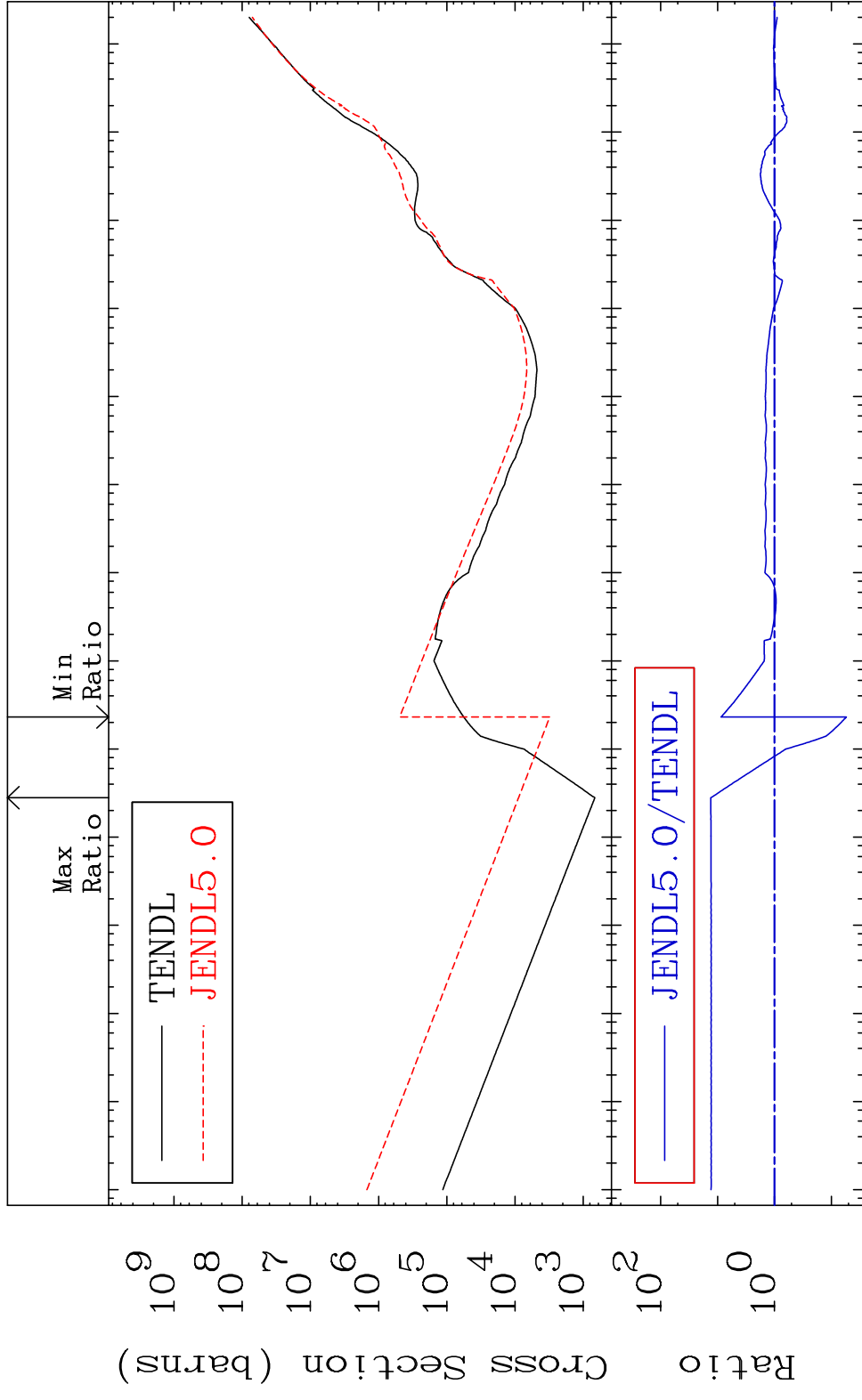
He-4 Production

52-Te-119m

Cross Section -99.25 To 31.56 %

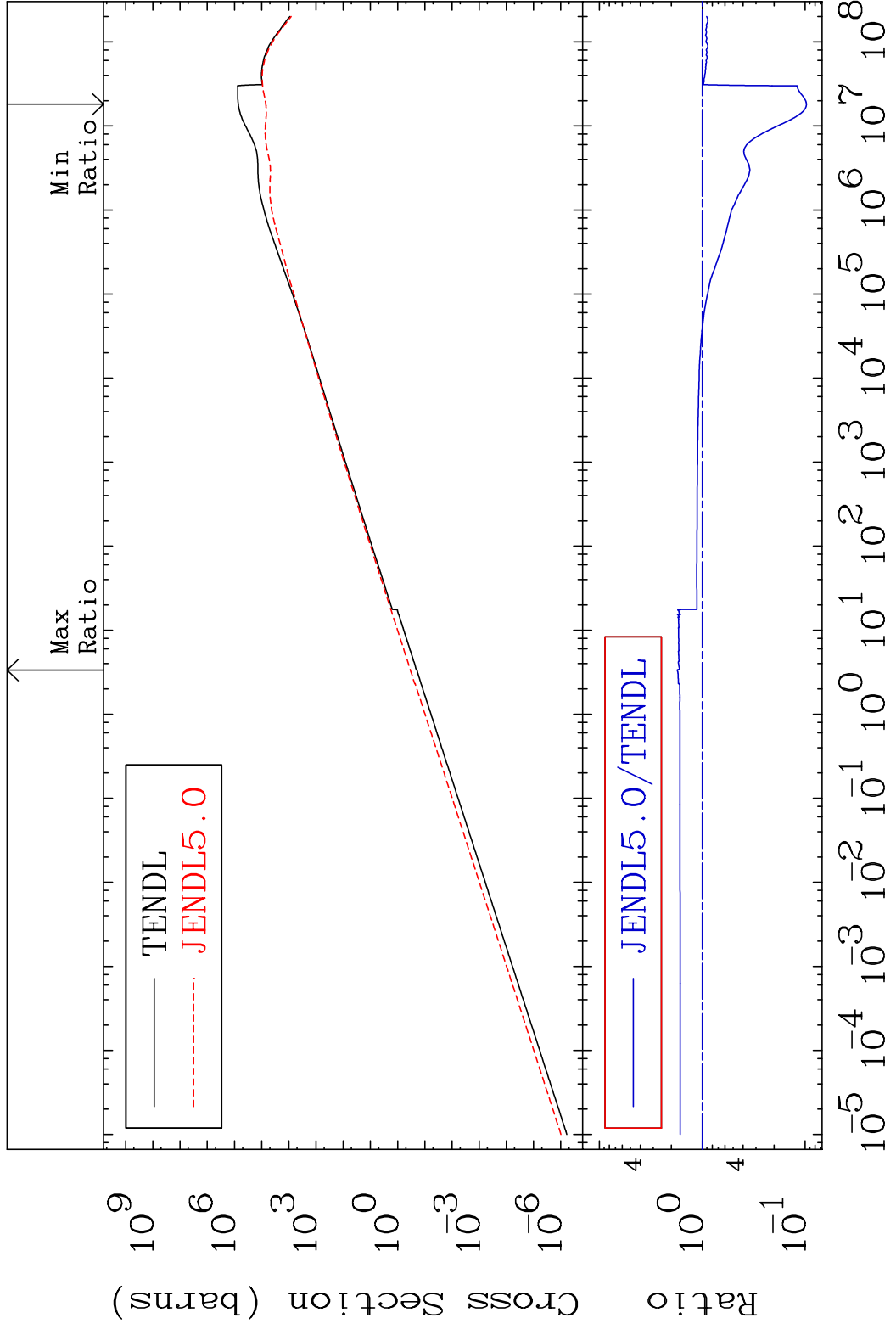


MAT 5223 Kerma total (eV-barns) 52-Te-119m
 Cross Section -94.54 To 1219. %



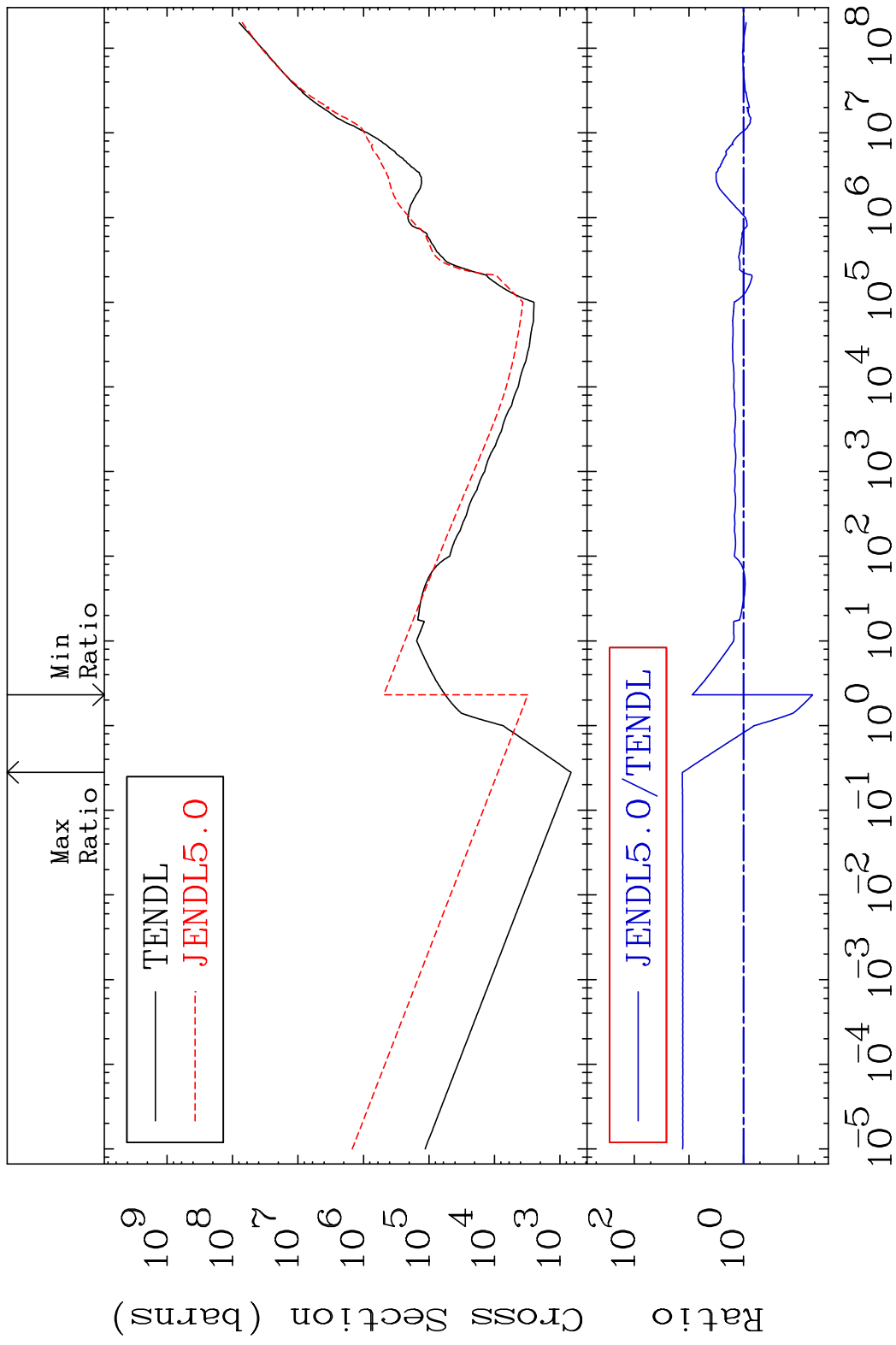
58 Incident Energy (eV) 52-Te-119m

MAT 5223 Kerma elastic 52-Te-119m
 Cross Section -90.28 To 75.31 %



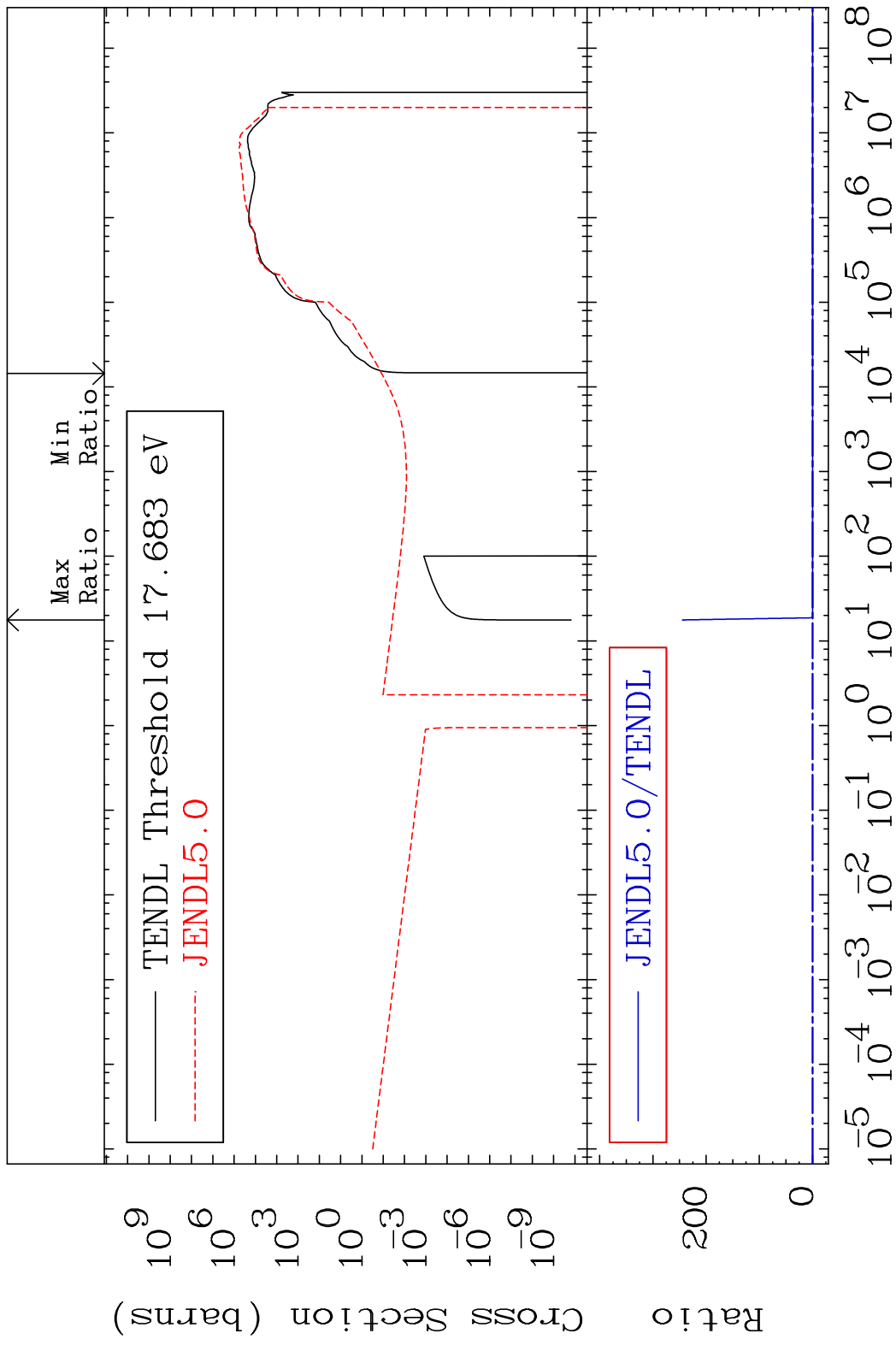
59 Incident Energy (eV) 52-Te-119m

MAT 5223 Kerma non-elastic (all but mt2) 52-Te-119m
 Cross Section -94.54 To 1219. %



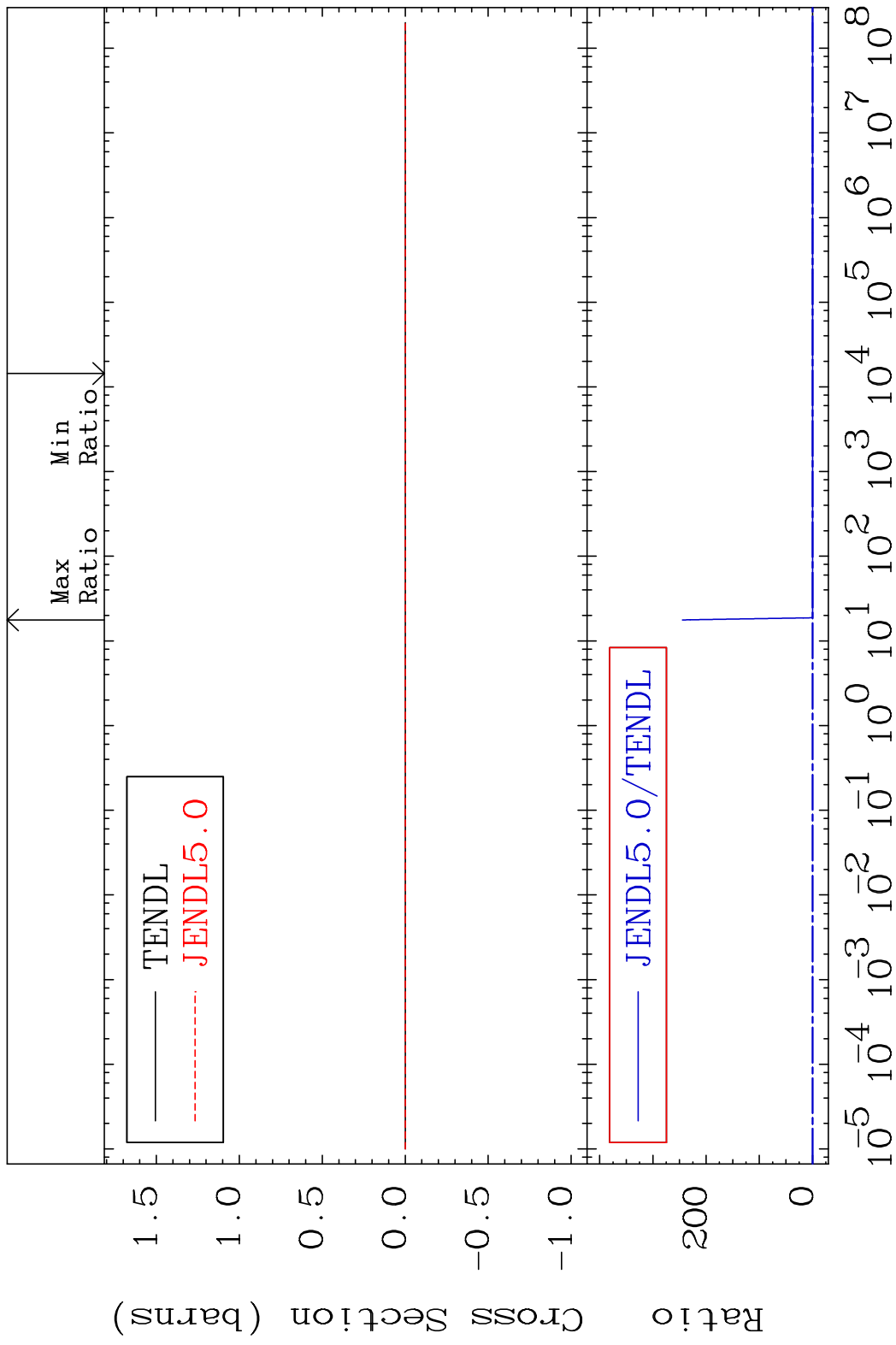
60 Incident Energy (eV) 52-Te-119m

MAT 5223 Kerma inelastic (mt51-91) 52-Te-119m
 Cross Section -400.0 To 9999. %



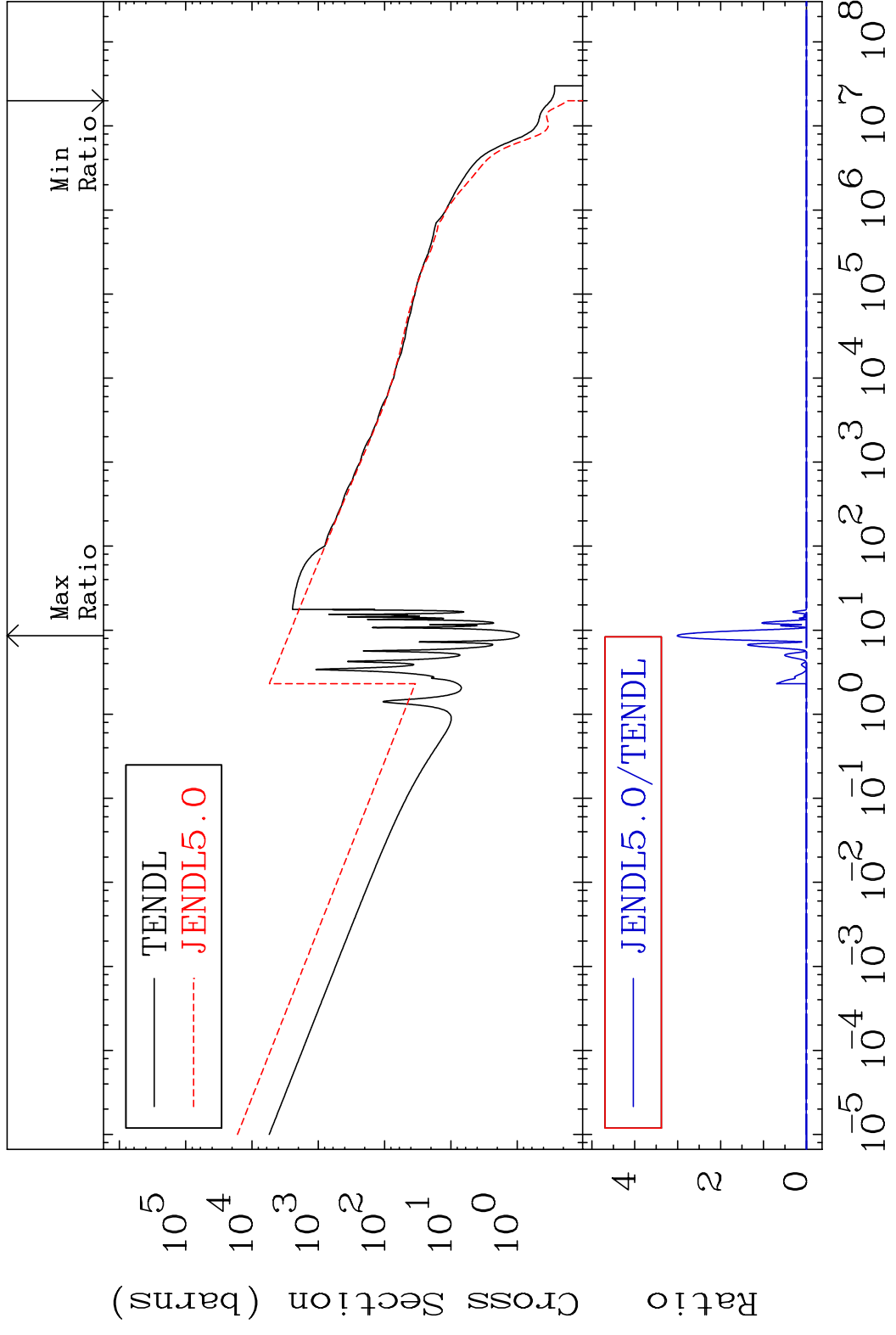
61 Incident Energy (eV) 52-Te-119m

MAT 5223 Kerma fission (mt18 or mt19-20-21-35)Te-119m
 Cross Section -400.0 To 9999. %



MAT 5223

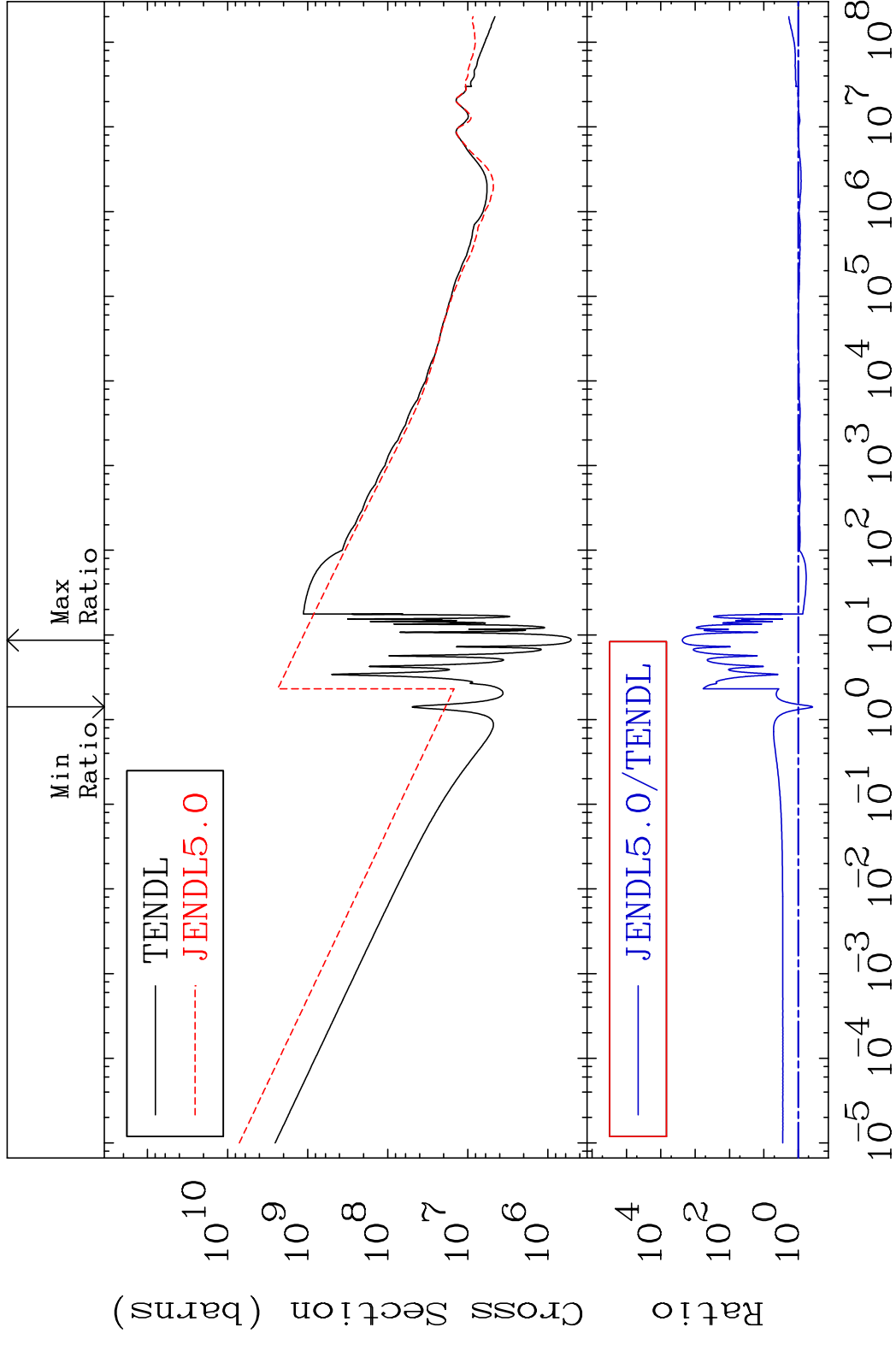
Kerma capture (mt102) 52-Te-119m
Cross Section -100.0 To 9999. %



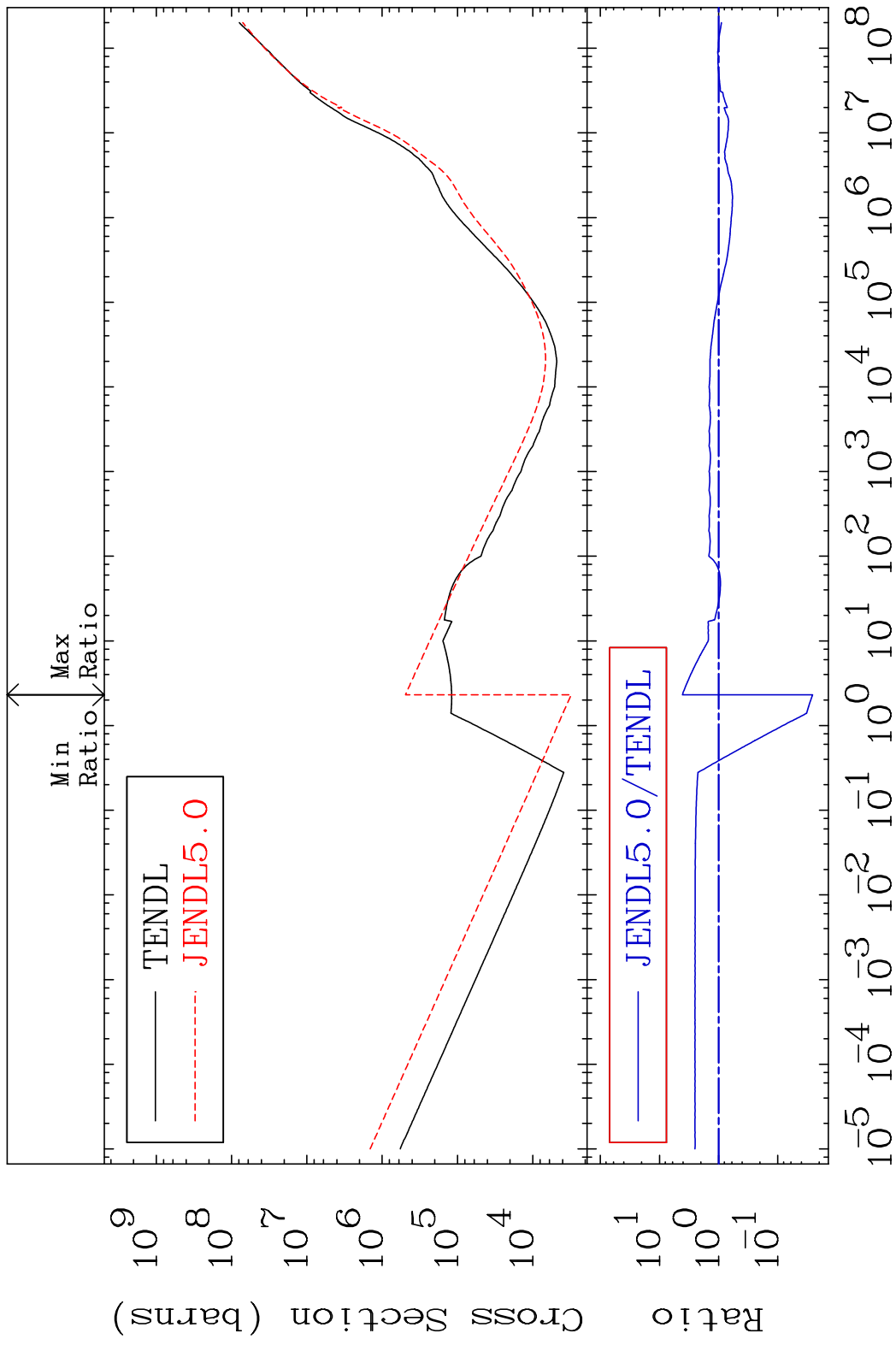
63

Incident Energy (eV) 52-Te-119m

MAT 5223 Total photon (eV-barns) 52-Te-119m
 Cross Section -61.67 To 9999. %

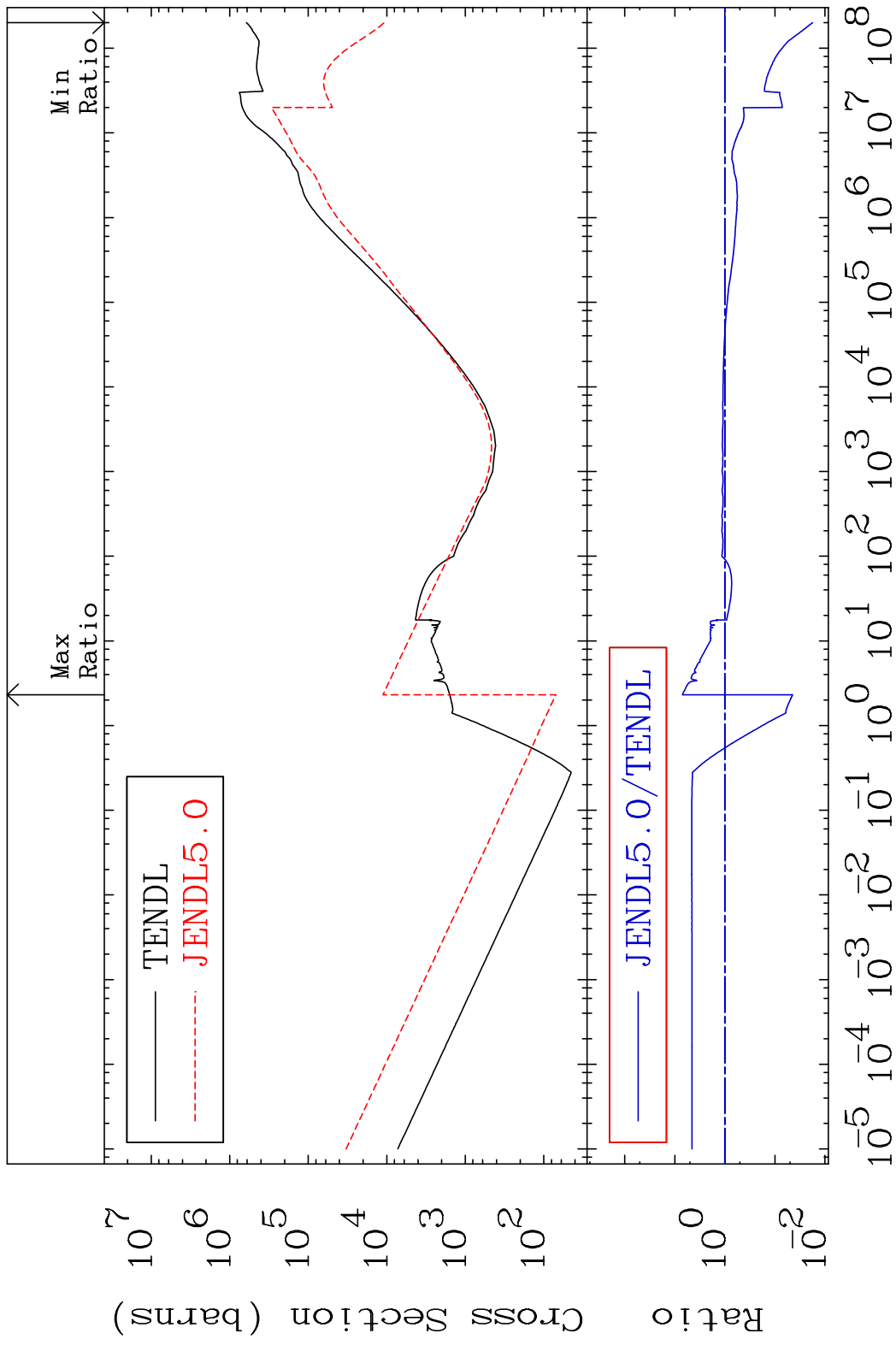


MAT 5223 Total kinematic kerma (high limit)52-Te-119m
 Cross Section -97.42 To 310.6 %



65 Incident Energy (eV) 52-Te-119m

MAT 5223 Dpa total (eV-barns) 52-Te-119m
 Cross Section -98.23 To 606.4 %



66 Incident Energy (eV) 52-Te-119m

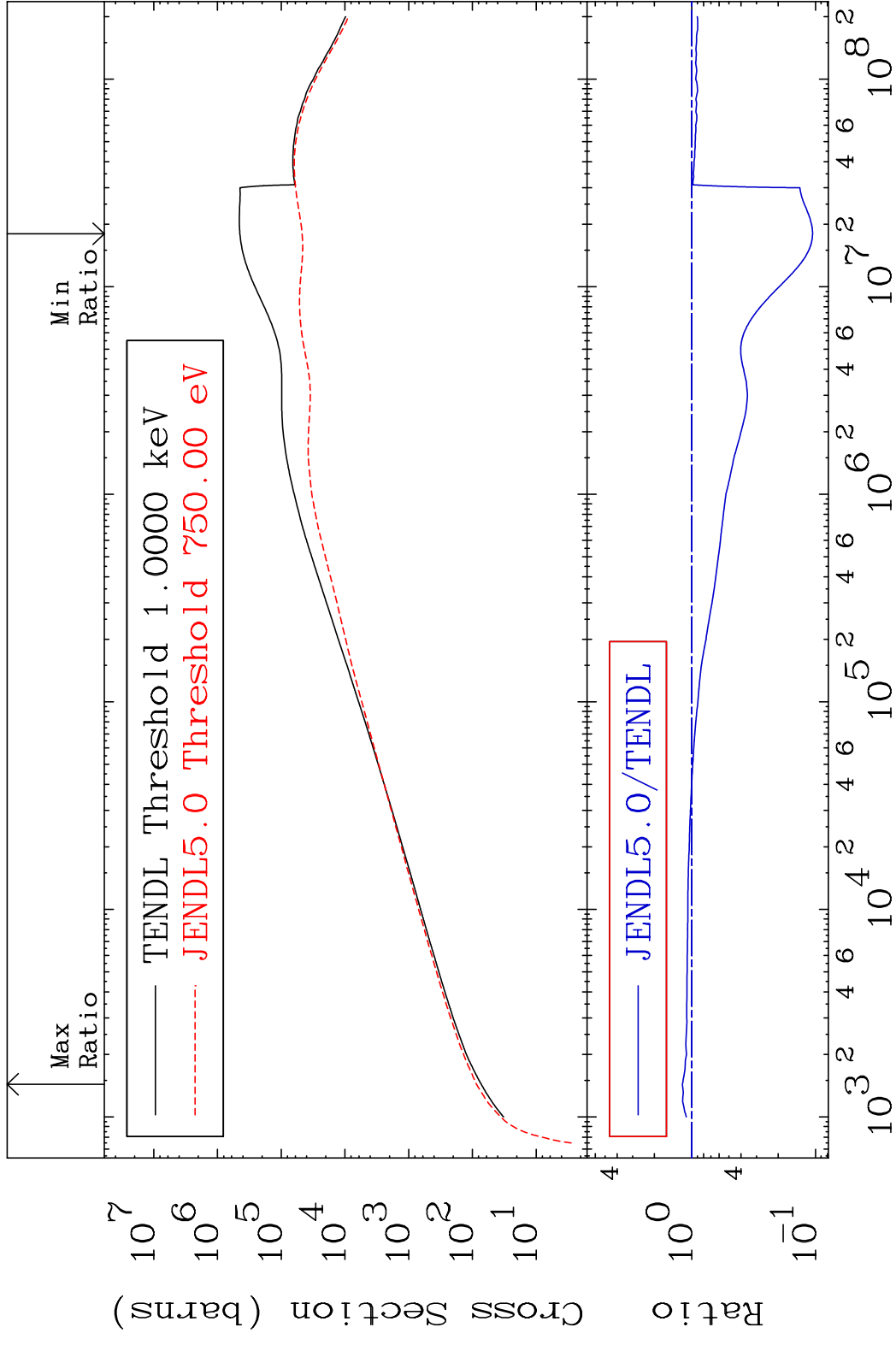
MAT 5223

Dpa elastic (mt2)

52-Te-119m

Cross Section

-89.44 To 18.90 %



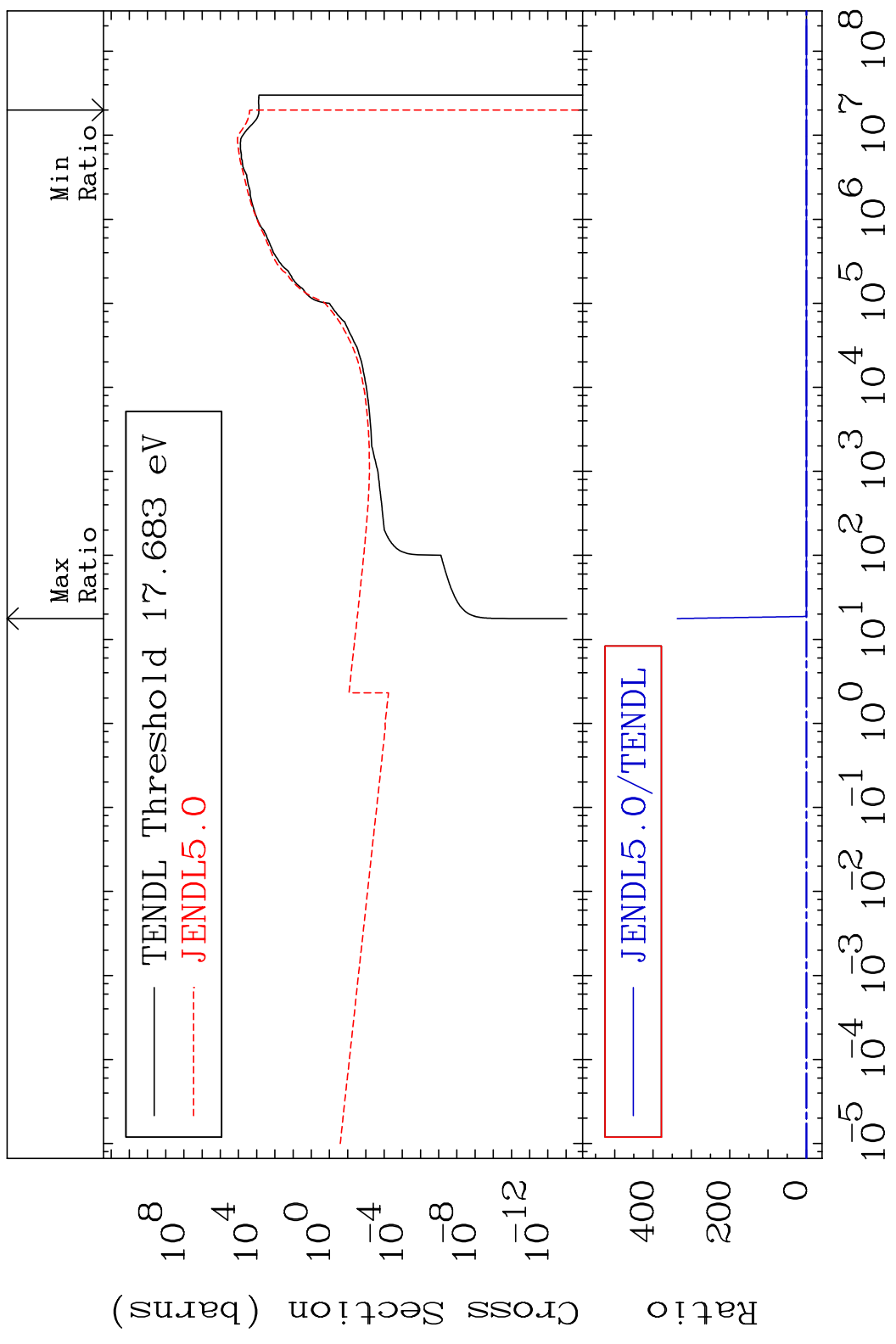
67

Incident Energy (eV)

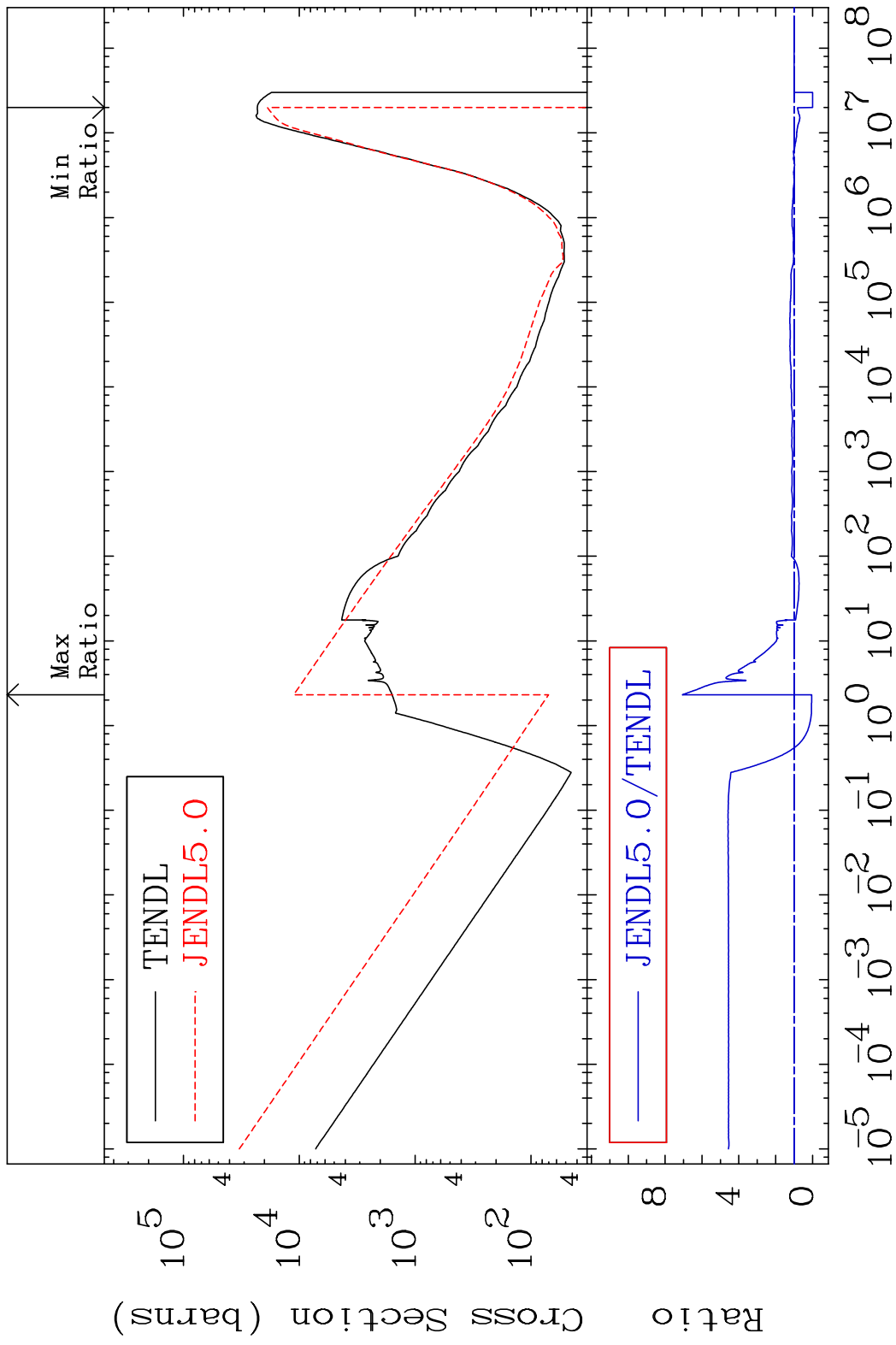
52-Te-119m

MAT 5223

Dpa inelastic (mt51-91) 52-Te-119m
Cross Section -100.0 To 9999. %

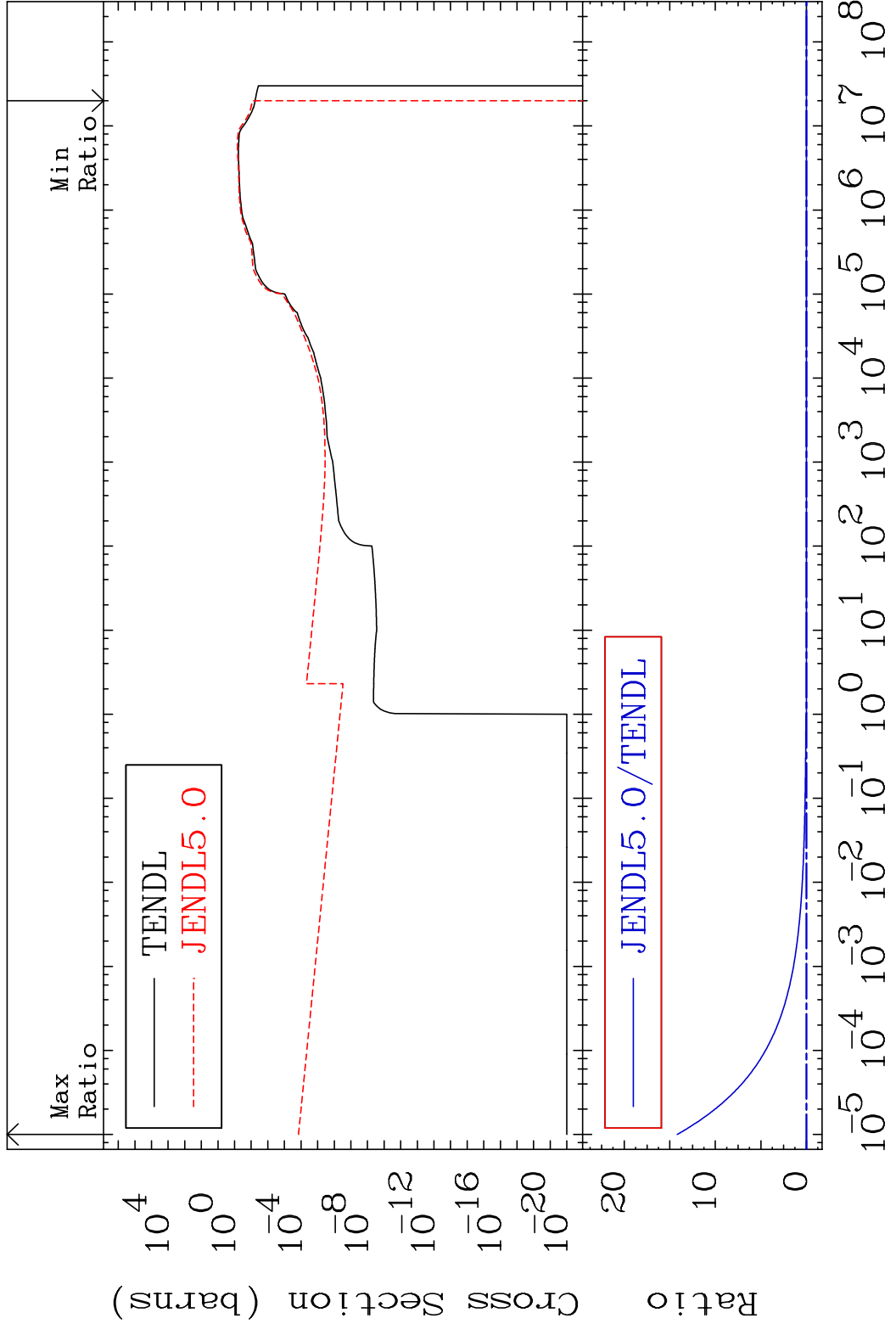


MAT 5223 Dpa disappearance (mt102 -120) 52-Te-119m
 Cross Section -100.0 To 606.4 %



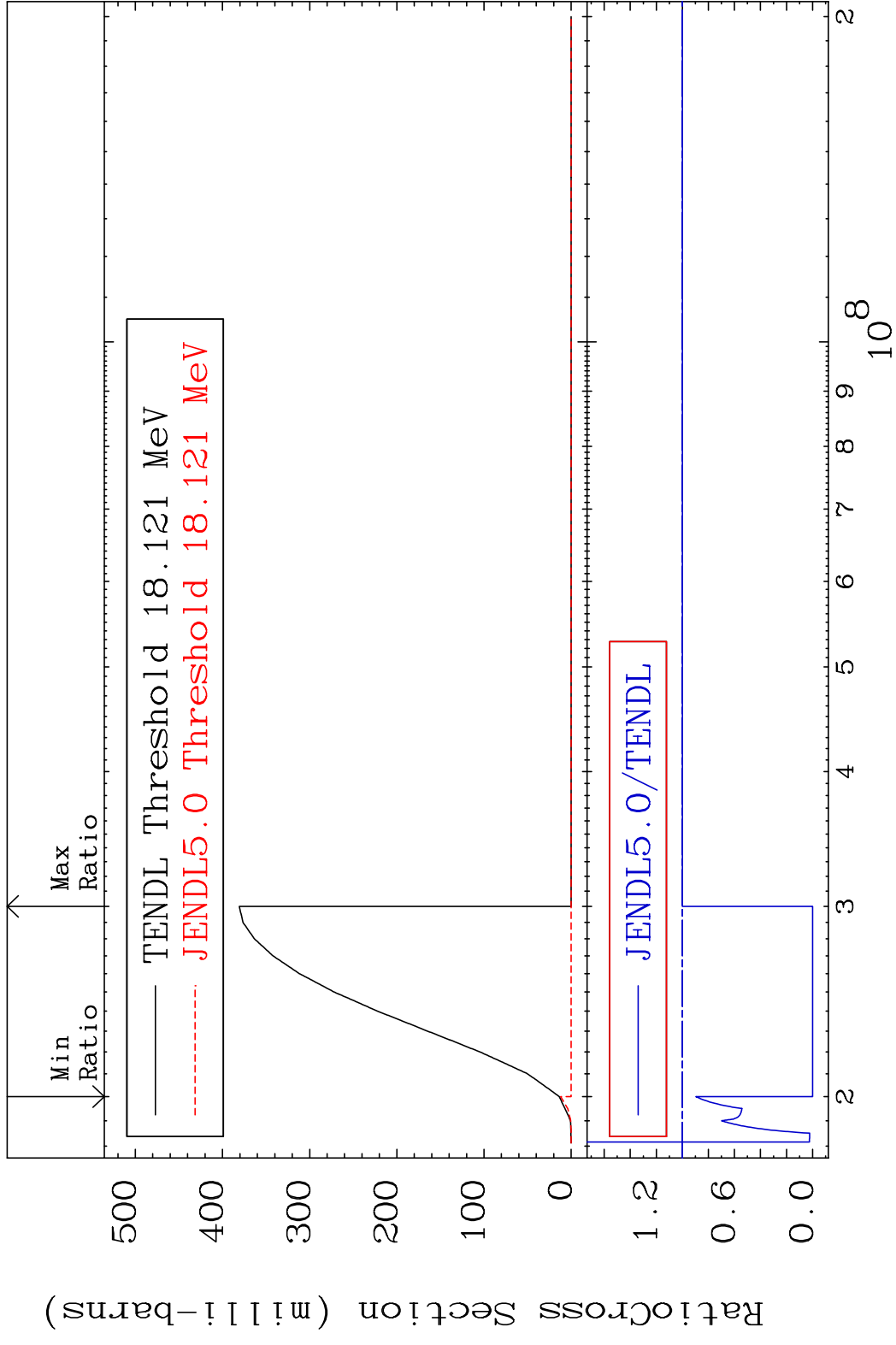
69 Incident Energy (eV) 52-Te-119m

MAT 5223 Inelastic:52-Te-119g 52-Te-119m
 Radionuclide Production Cross Section Ratio 9999. %

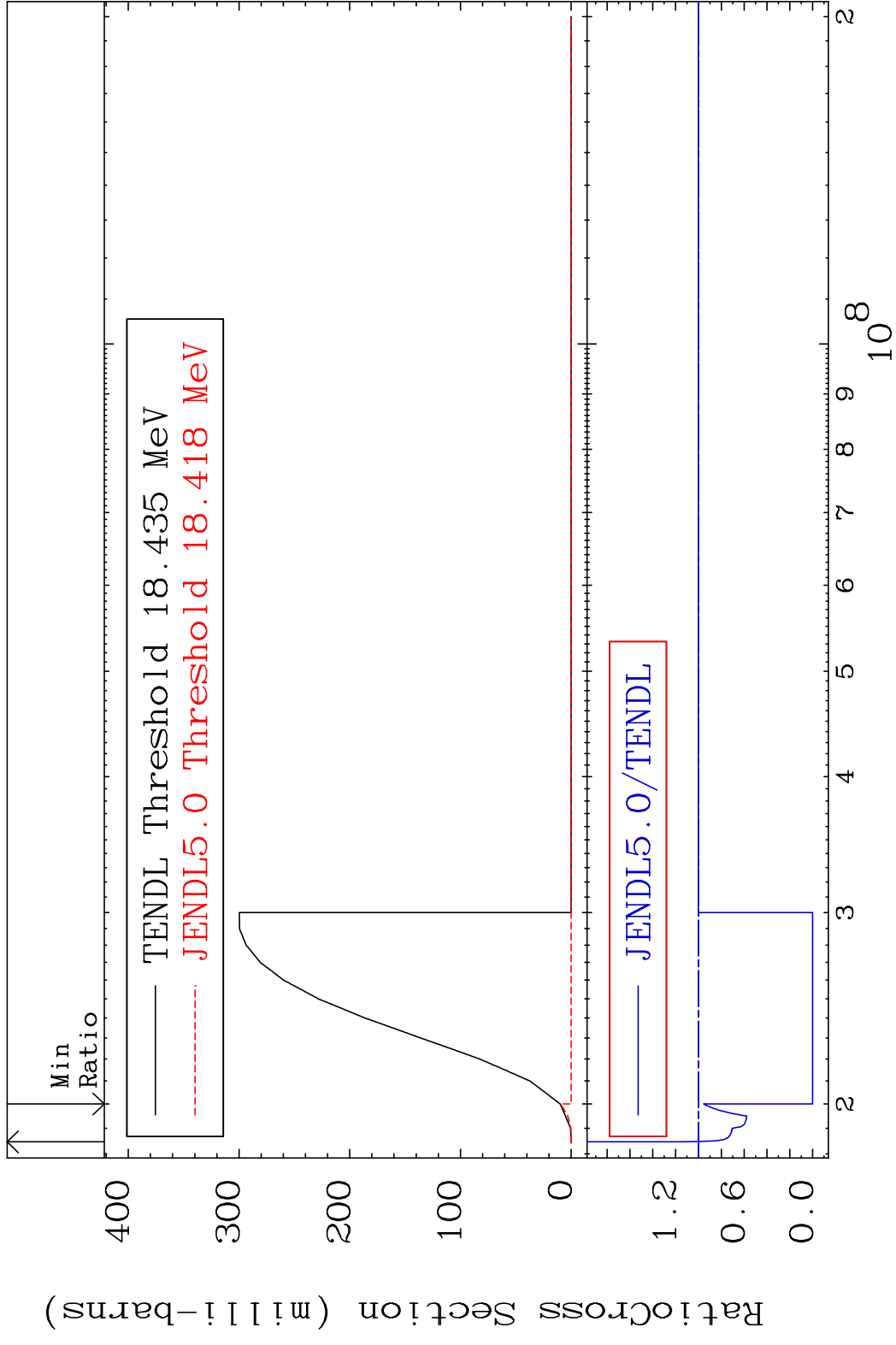


70 Incident Energy (eV) 52-Te-119m

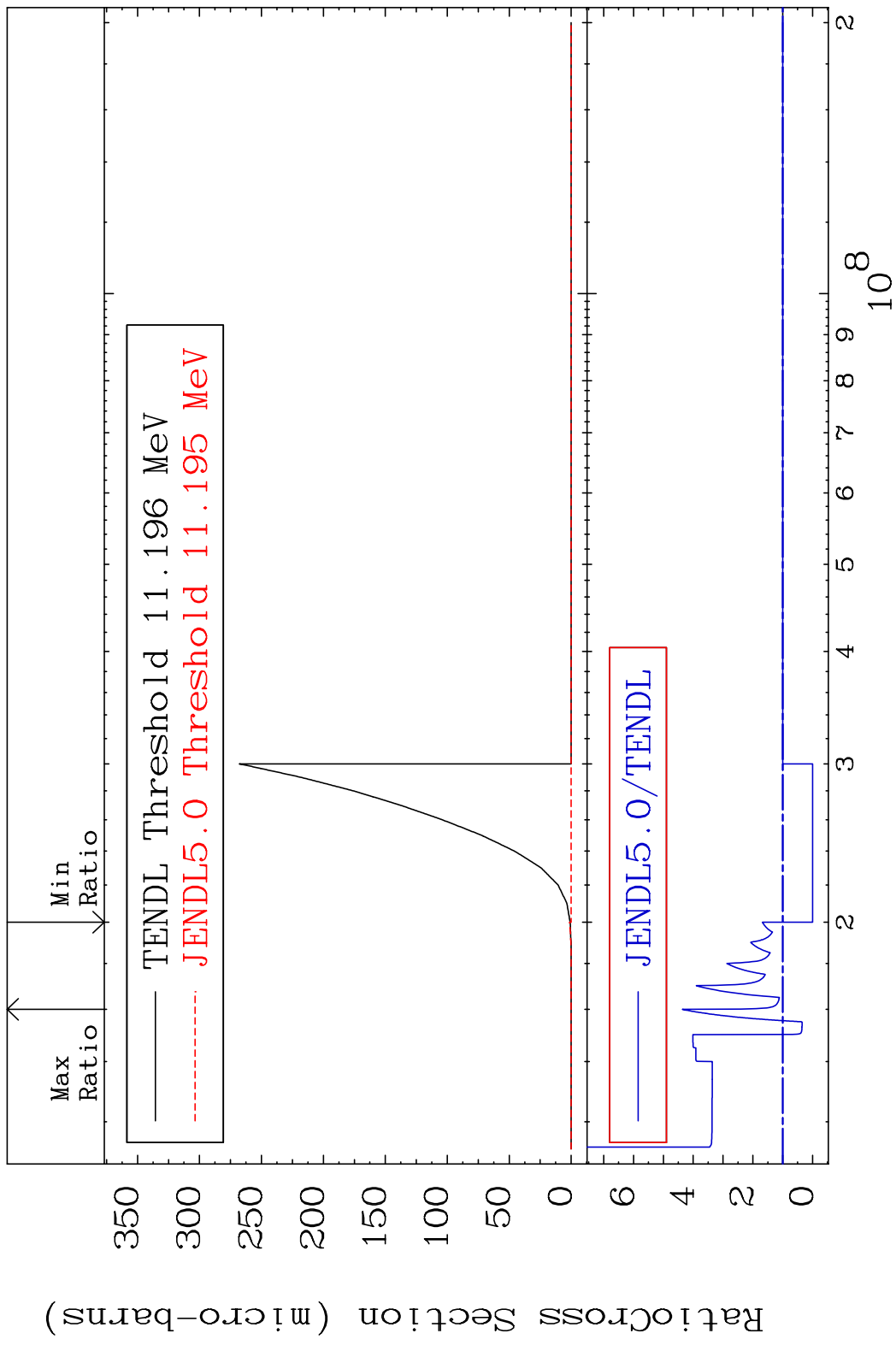
MAT 5223 (n,3n):52-Te-117g 52-Te-119m
 Radionuclide Production Cross Section 18.121 MeV
 Ratio 0.000 %

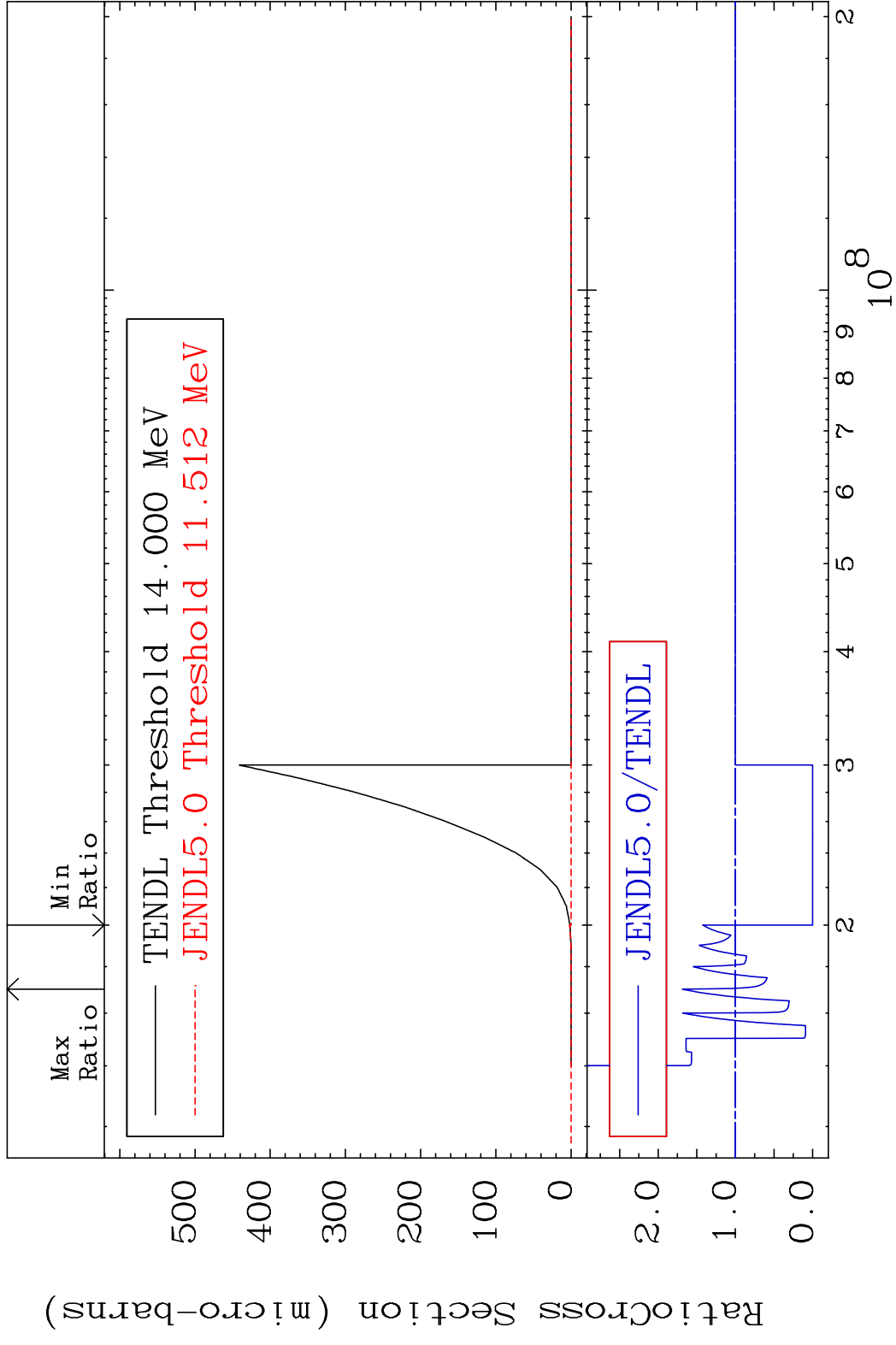


MAT 5223 (n, 3n):52-Te-117m3 52-Te-119m
 Radionuclide Production Cross Section 18.00% 14.12 %

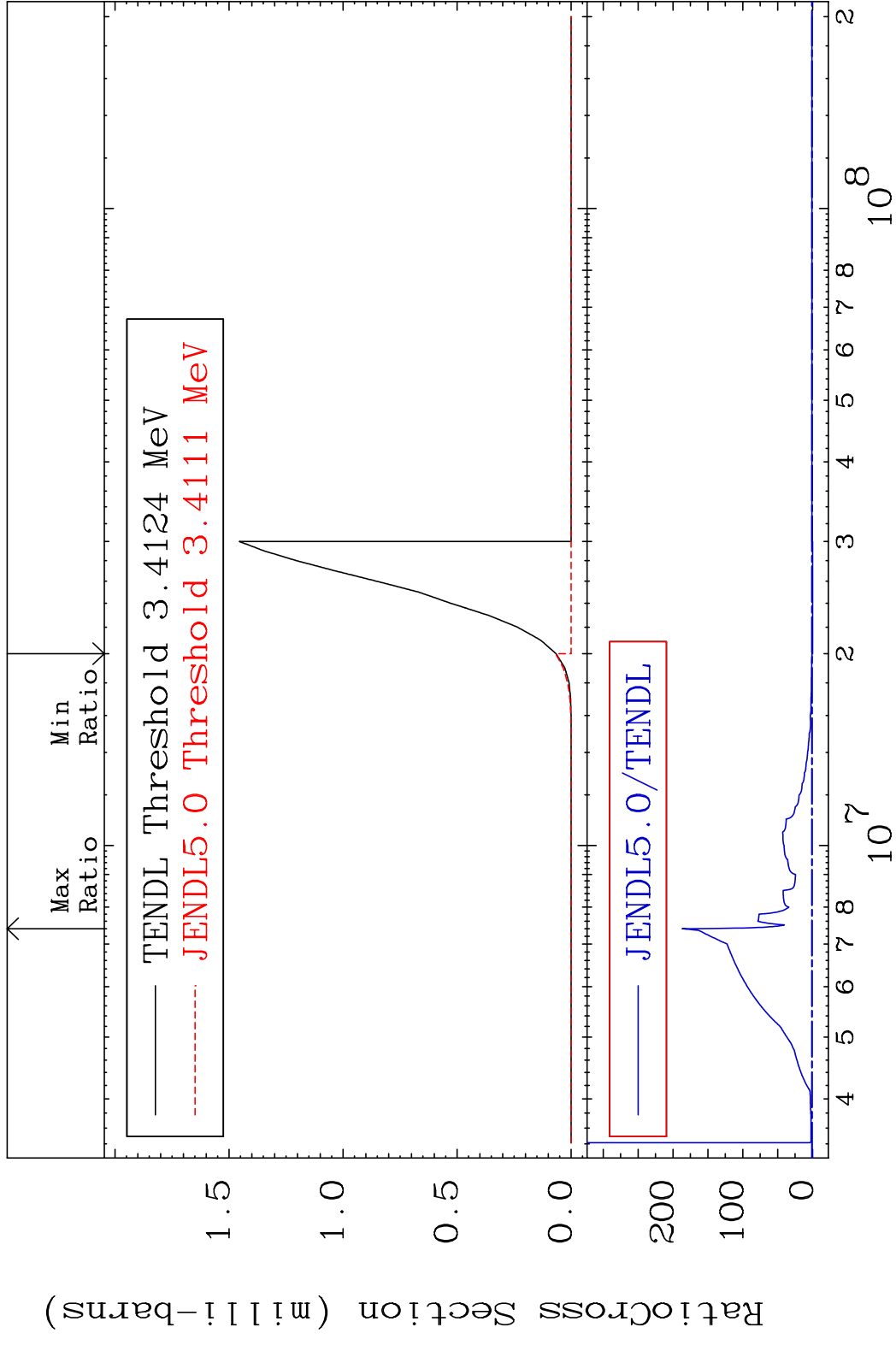


MAT 5223 (n,2n) p:50-Sn-117g 52-Te-119m
 Radionuclide Production Cross Section to 336.3 %

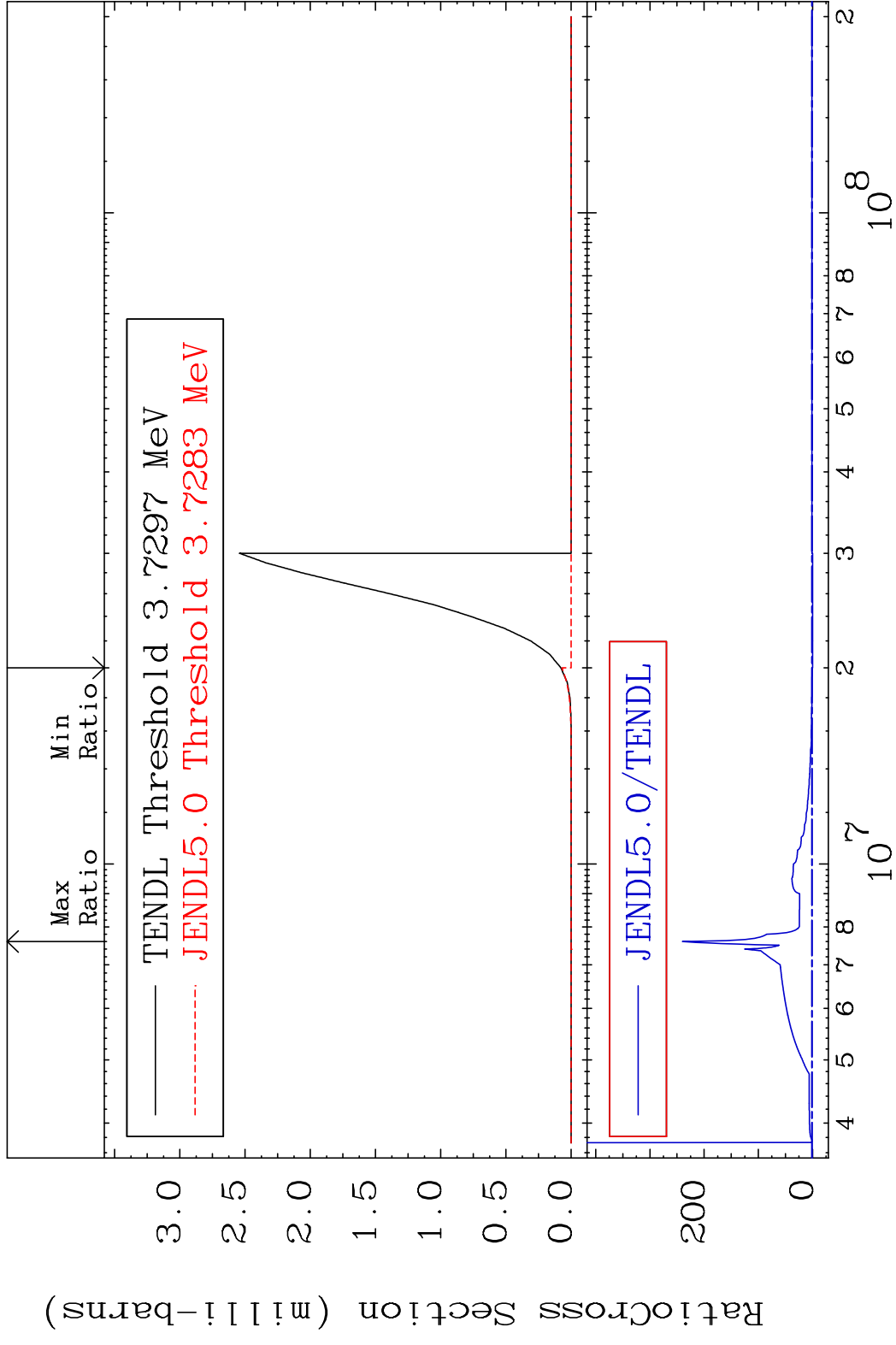




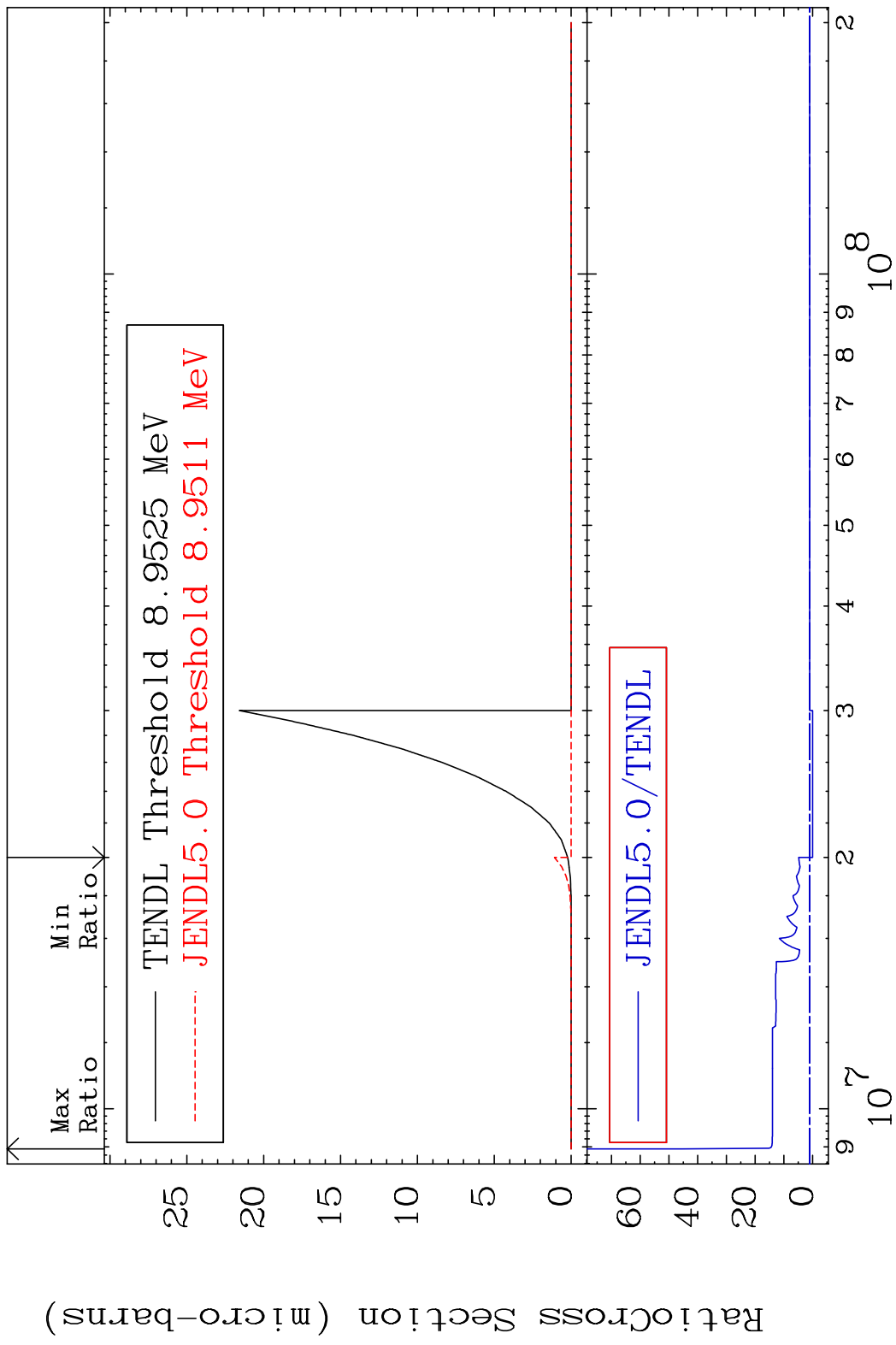
MAT 5223 (n, He-3):50-Sn-117g 52-Te-119m
 Radionuclide Production Cross Section 18 Oct 1999. %



MAT 5223 (n, He-3):50-Sn-117m2 52-Te-119m
 Radionuclide Production Cross Section to 9999. %

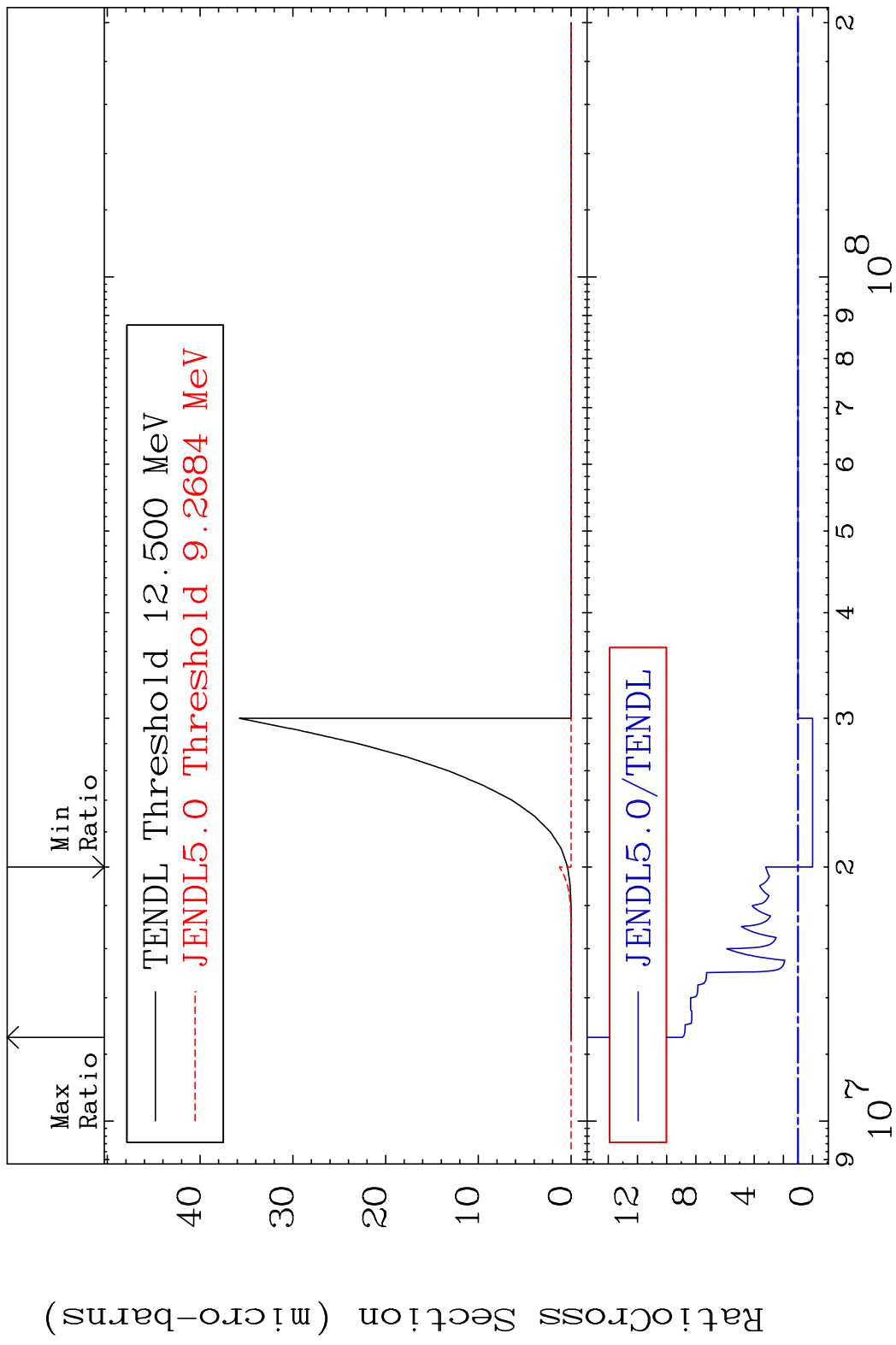


MAT 5223 (n,p) d:50-Sn-117g 52-Te-119m
 Radionuclide Production Cross Section 180.01 dth 4432. %



77 Incident Energy (eV) 52-Te-119m

MAT 5223 (n, p) d:50-Sn-117m2 52-Te-119m
 Radionuclide Production Cross Section 180.0 d to 792.4 %



78

Incident Energy (eV)

52-Te-119m