

Program Complot
(Version 2021-1)

by

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U.S.A.

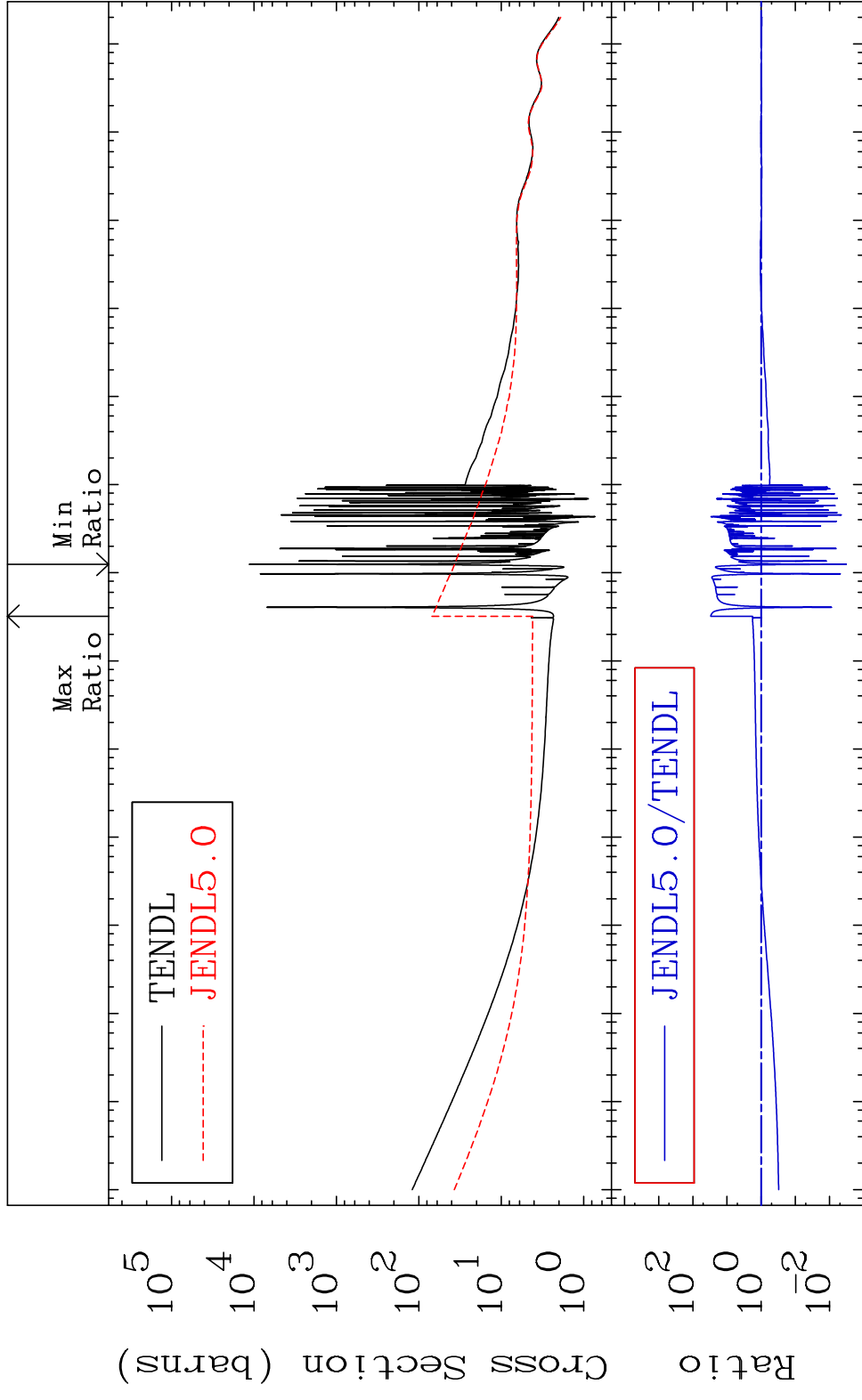
Tele: 925-443-1911

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5225

Total Cross Section -99.68 To 2898. %
52-Te-120



1

Incident Energy (eV)

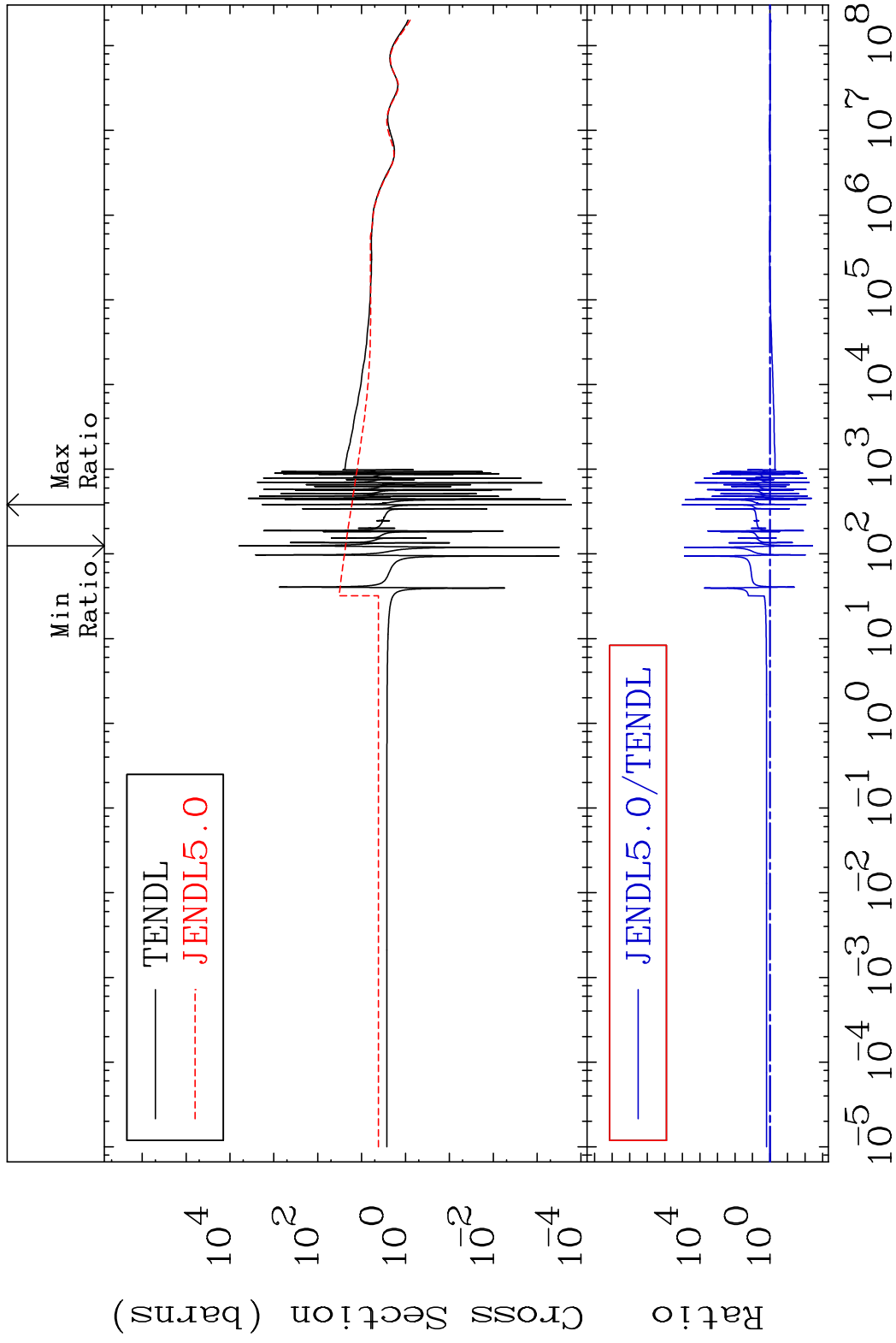
52-Te-120

MAT 5225

Elastic

52-Te-120

Cross Section -99.62 To 9999. %

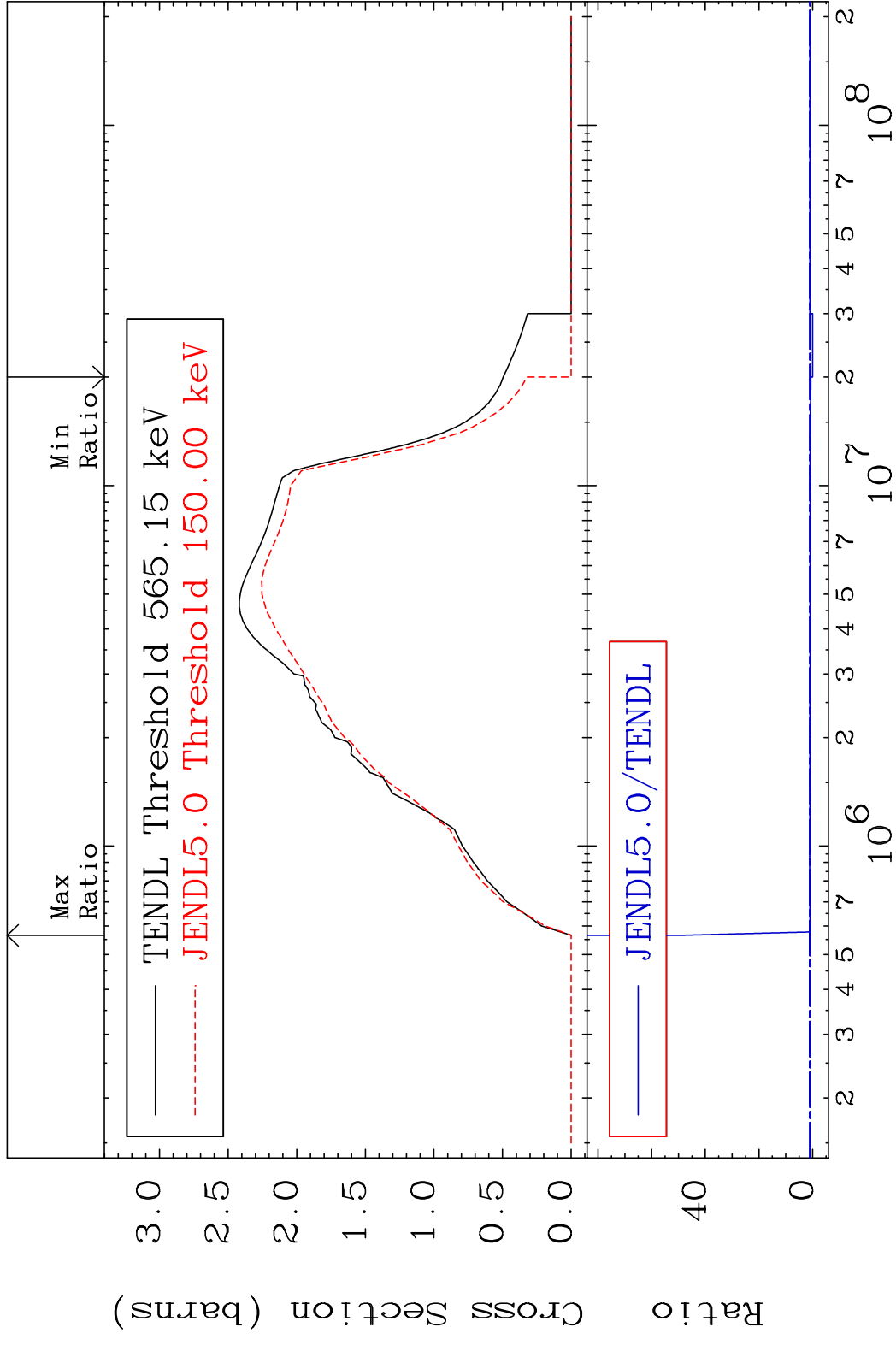


2

Incident Energy (eV)

52-Te-120

MAT 5225 Inelastic Cross Section -100.0 To 4755. % 52-Te-120

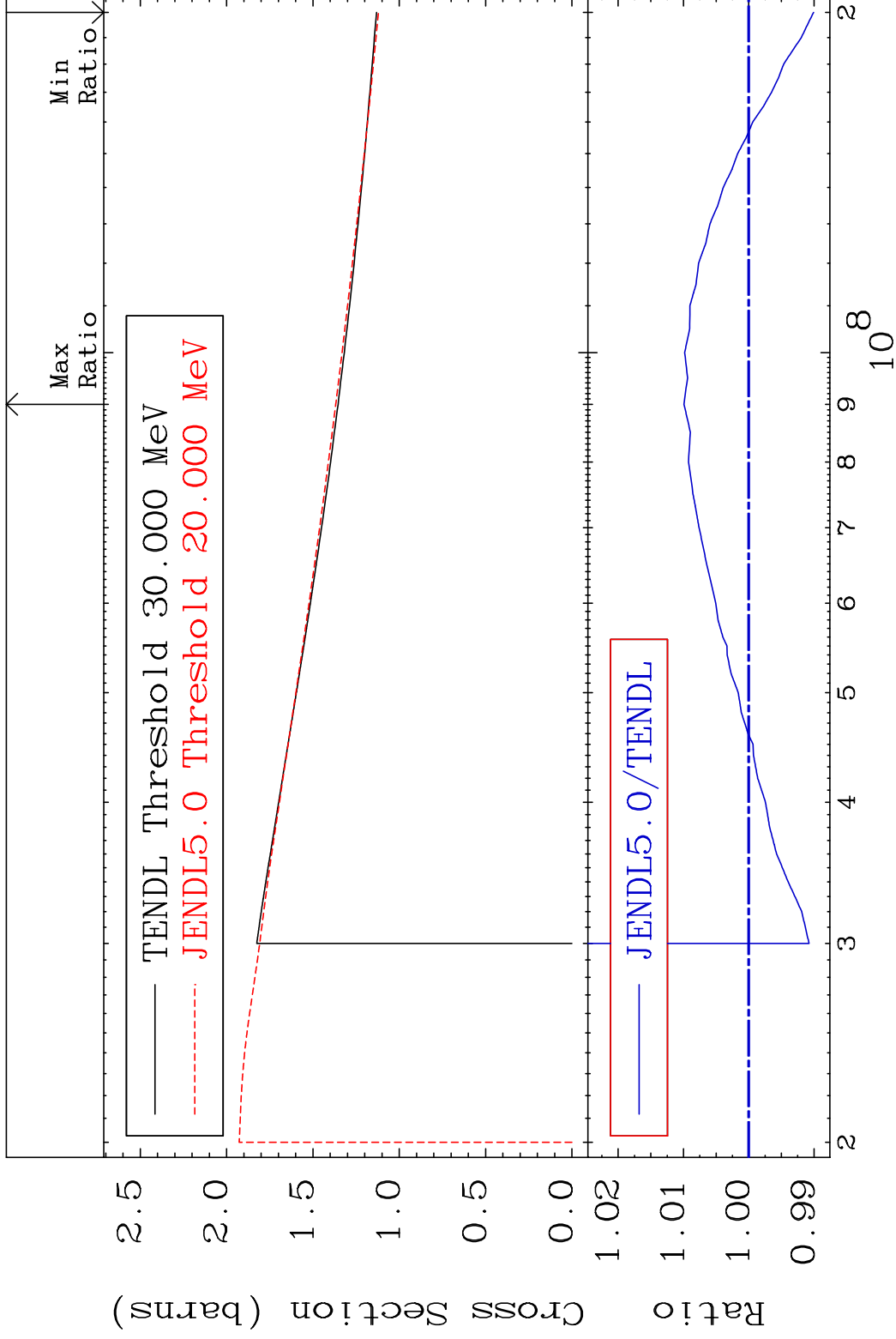


MAT 5225

(n, remainder)

52-Te-120

Cross Section -0.992 To 0.992 %



4

Incident Energy (eV)

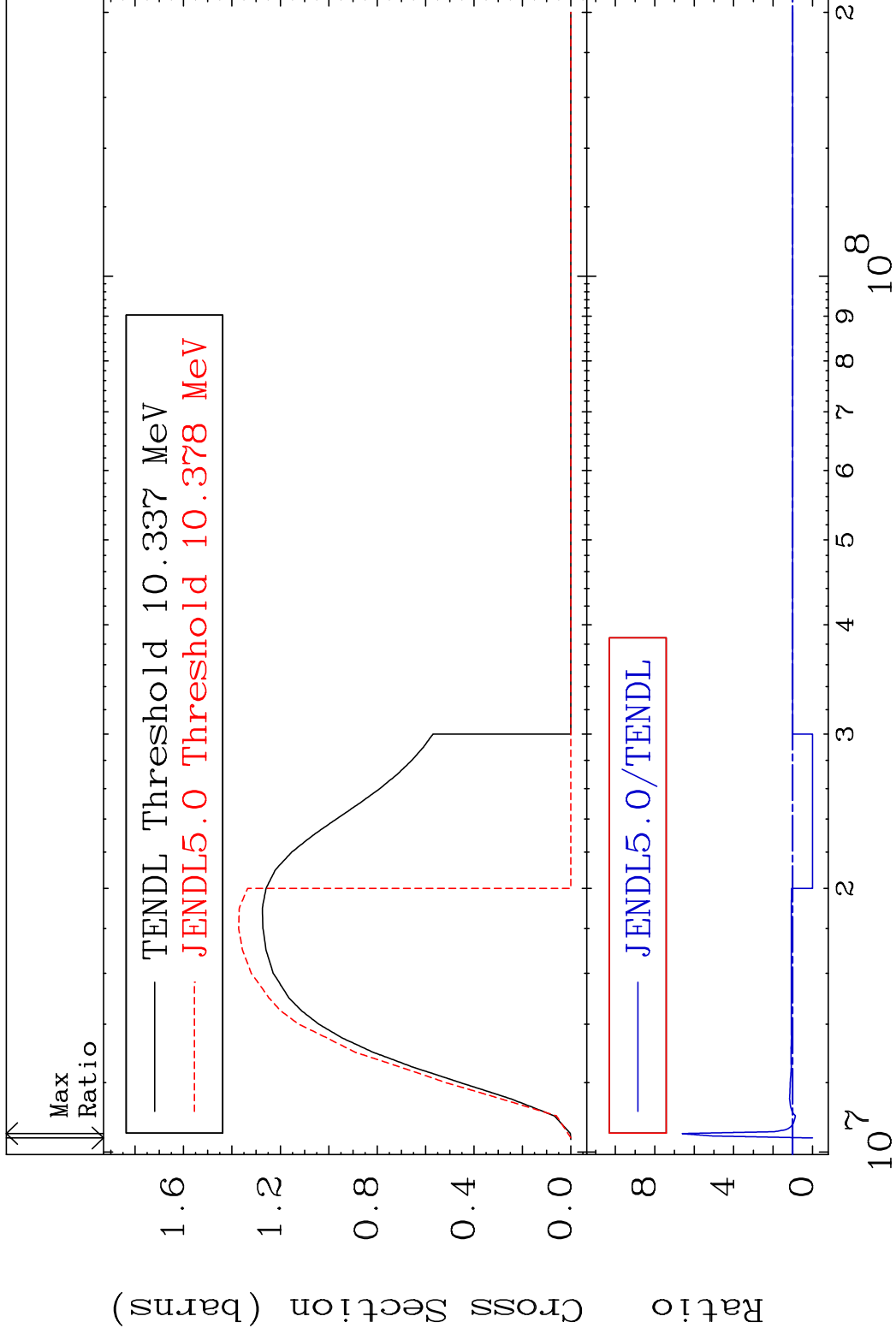
52-Te-120

MAT 5225

(n,2n)

52-Te-120

Cross Section -100.0 To 561.3 %

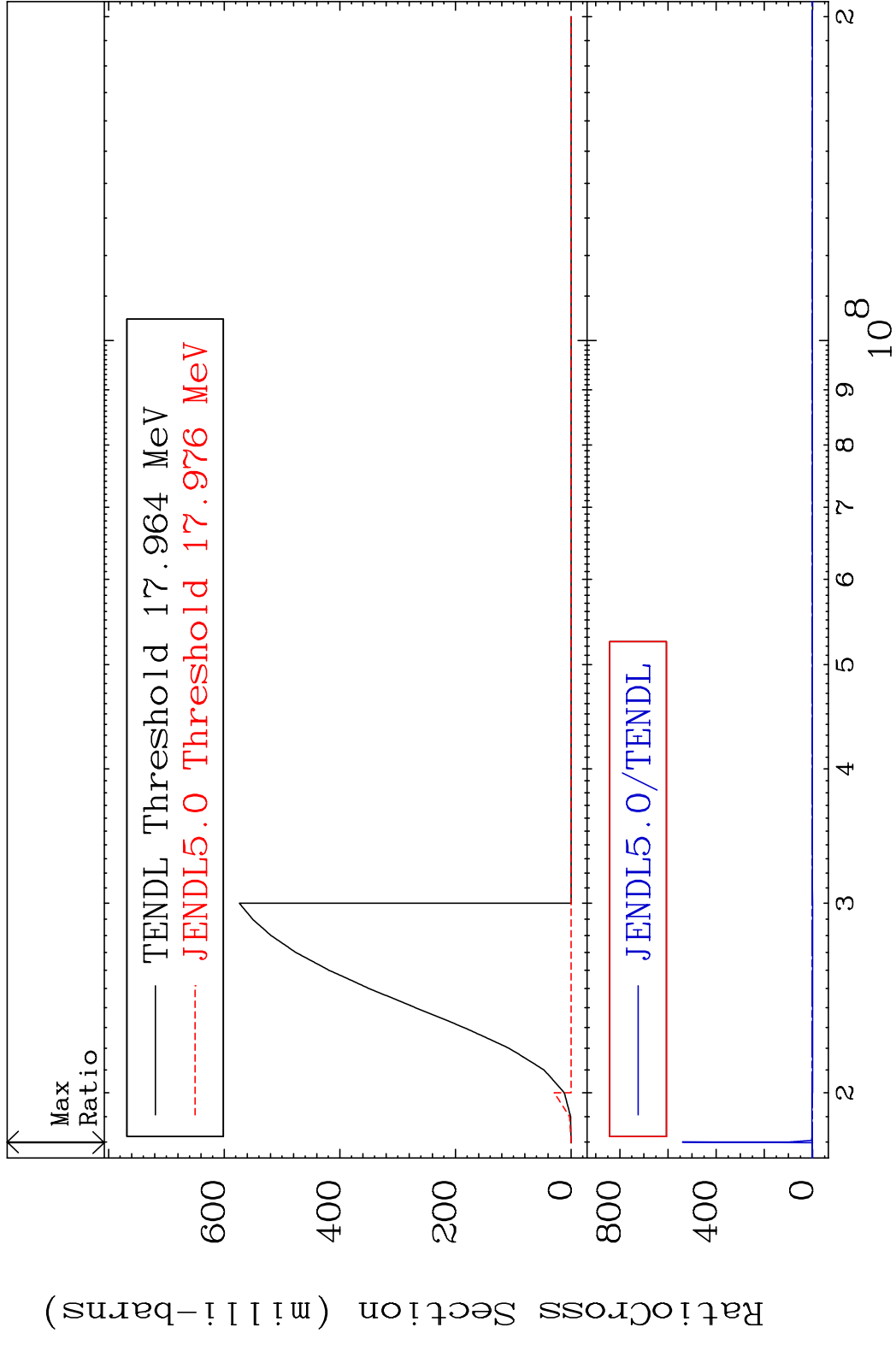


5

Incident Energy (eV)

52-Te-120

MAT 5225 (n,3n) 52-Te-120
 Cross Section -100.0 To 9999. %



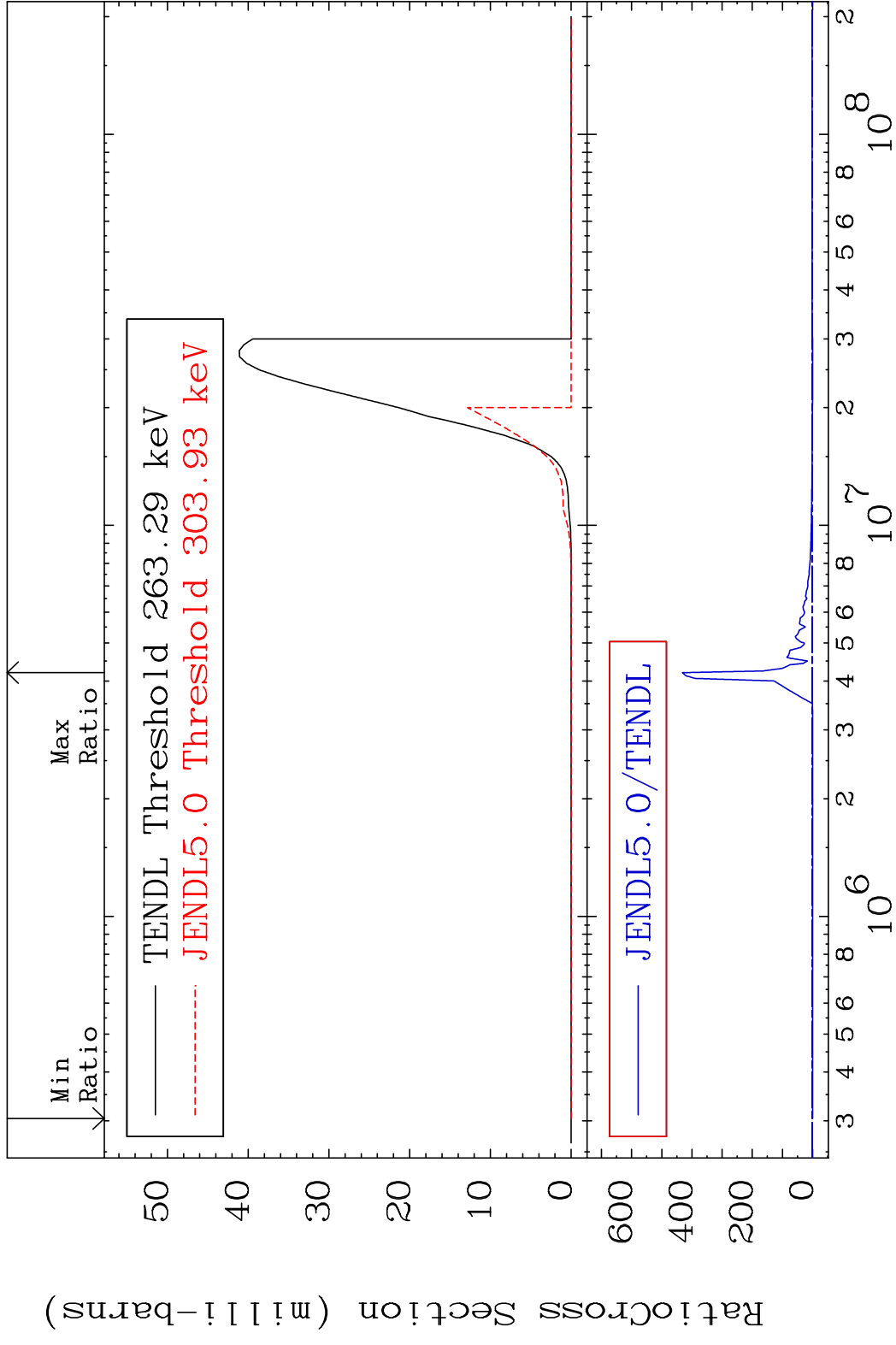
6 52-Te-120

MAT 5225

52-Te-120

(n, n') α

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

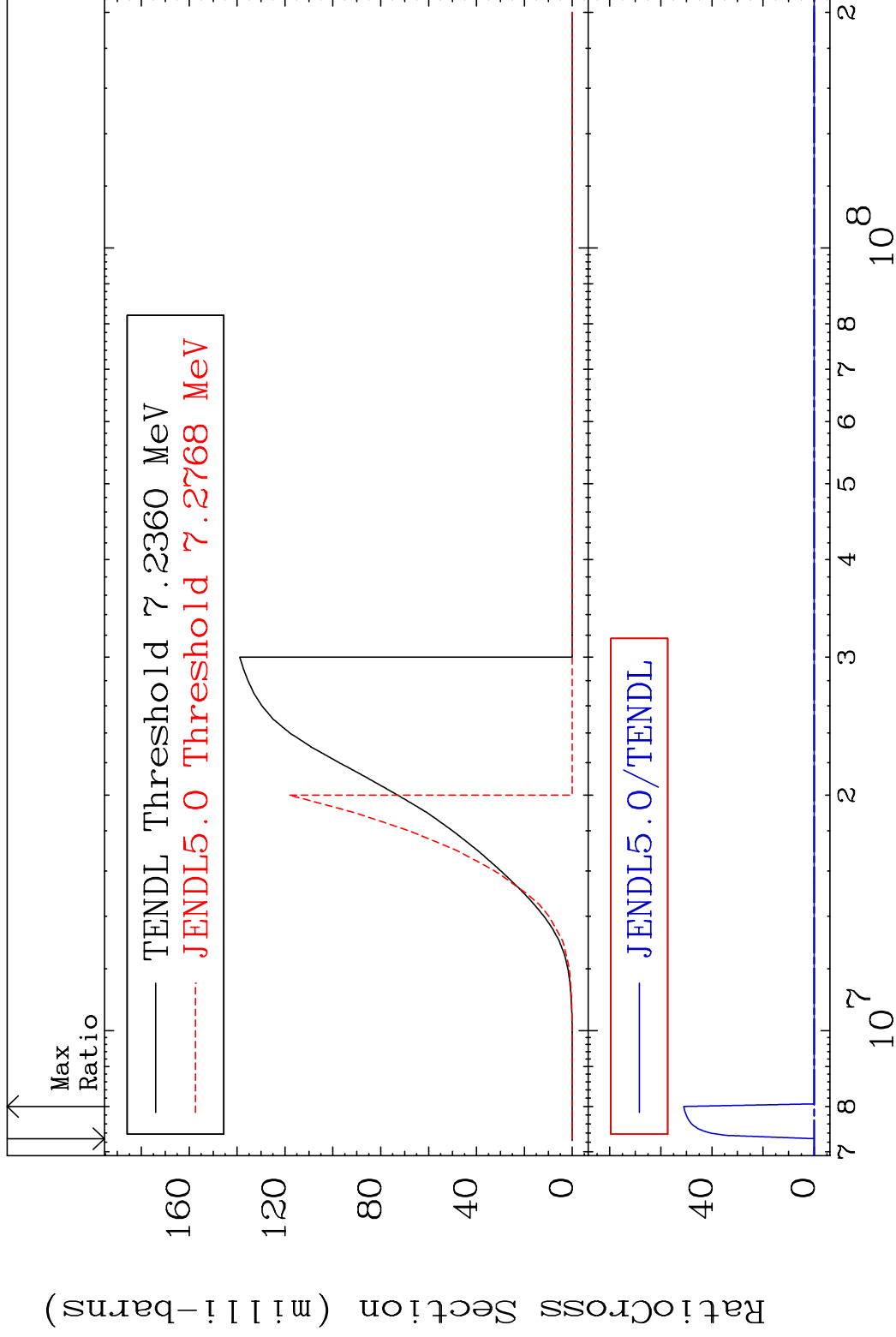
52-Te-120

MAT 5225

(n, n') p

52-Te-120

Cross Section -100.0 To 9999. %

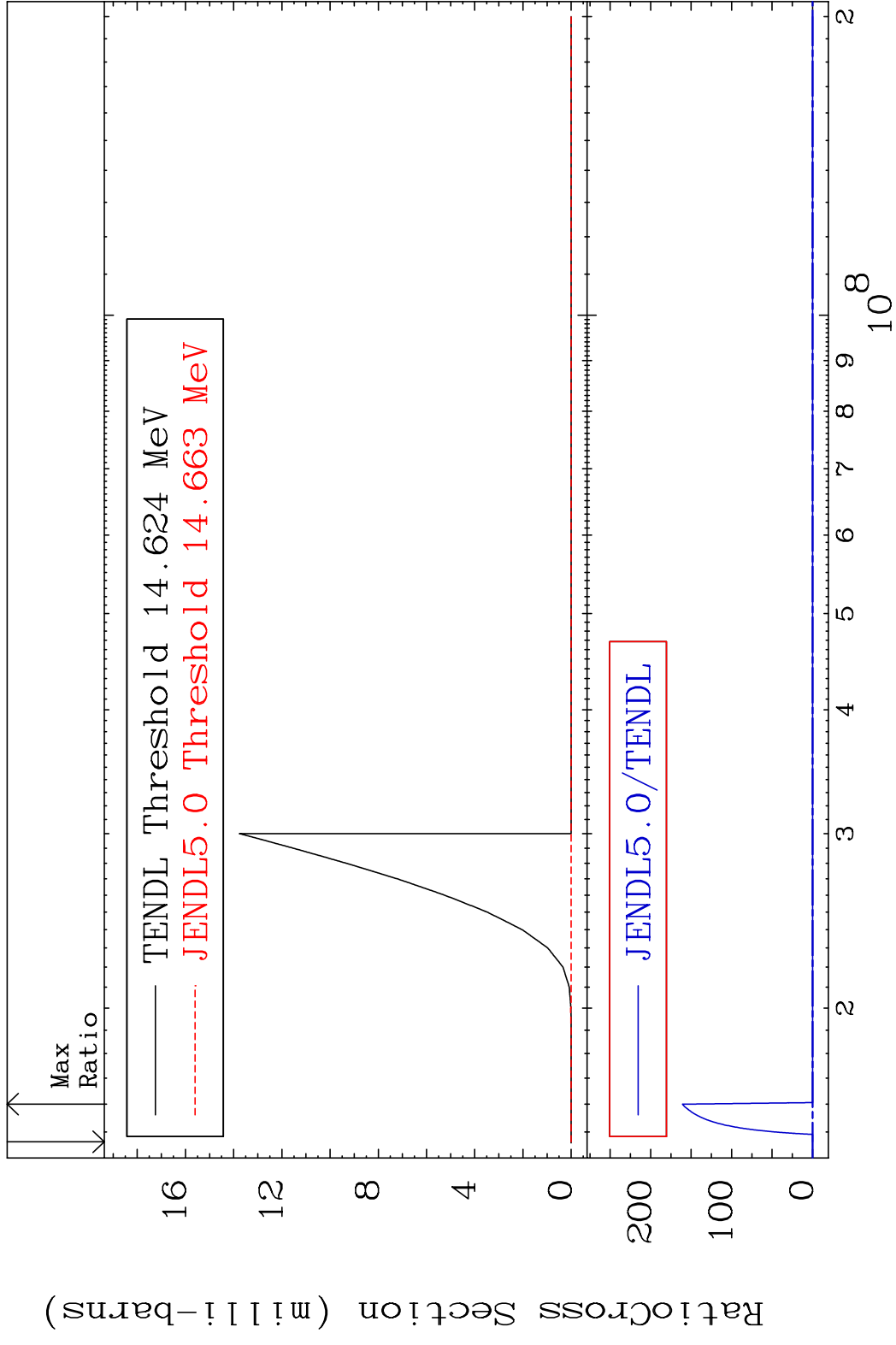


8

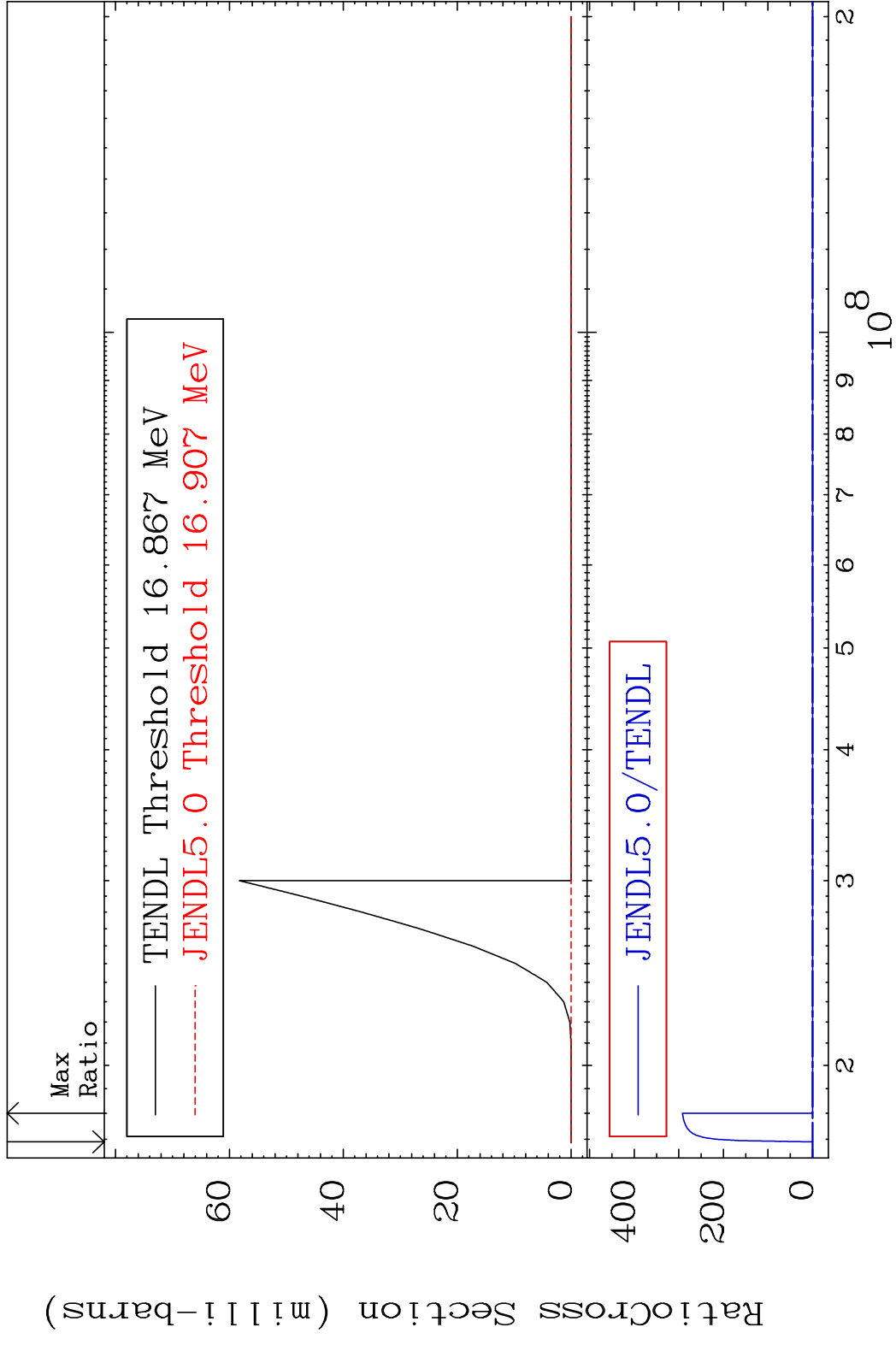
Incident Energy (eV)

52-Te-120

MAT 5225 (n, n') d 52-Te-120
 Cross Section -100.0 To 9999. %

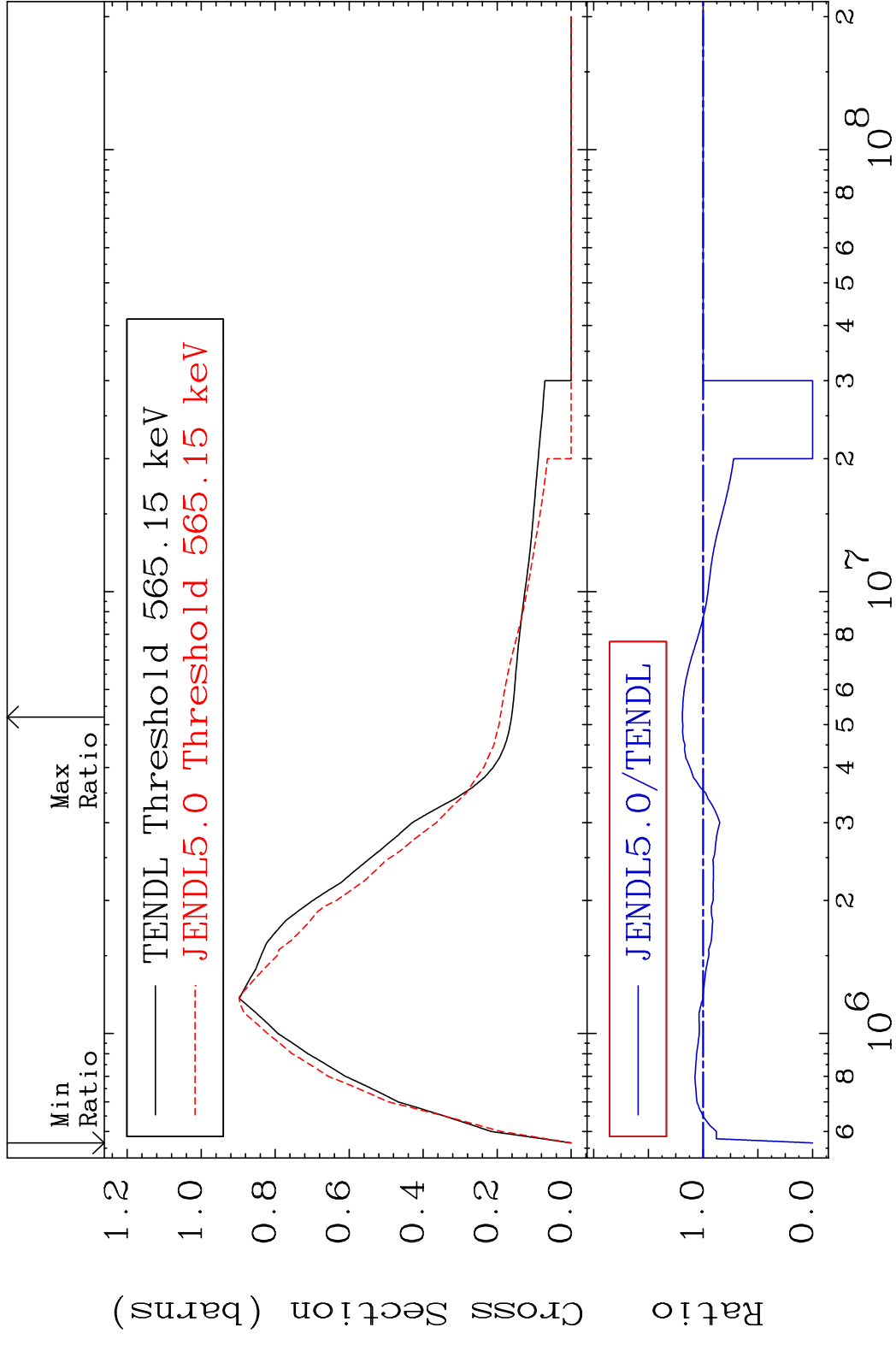


MAT 5225 (n,2n) p 52-Te-120
 Cross Section -100.0 To 9999. %

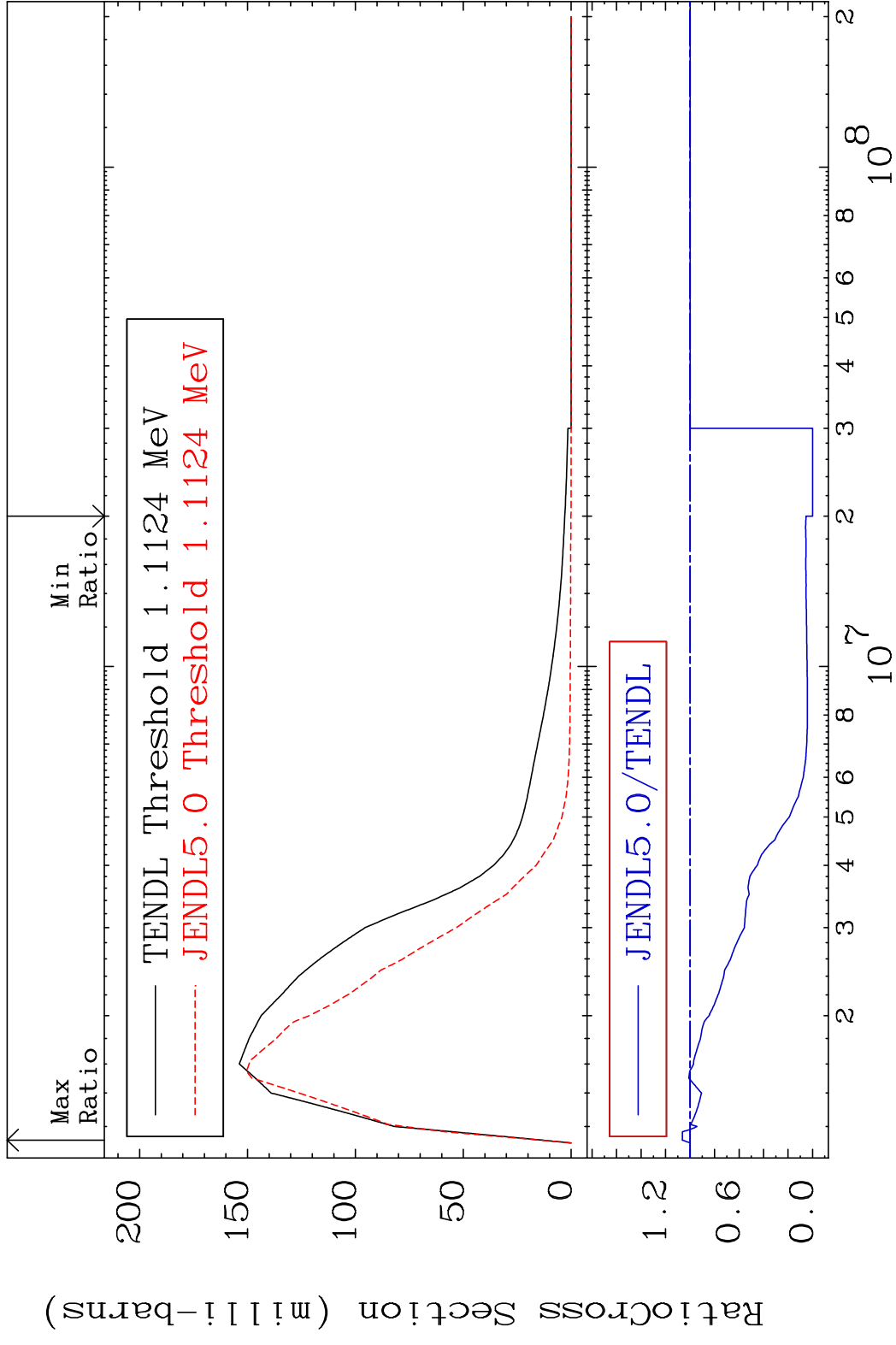


10 2 3 4 5 6 7 8 9 10⁸ 2 52-Te-120

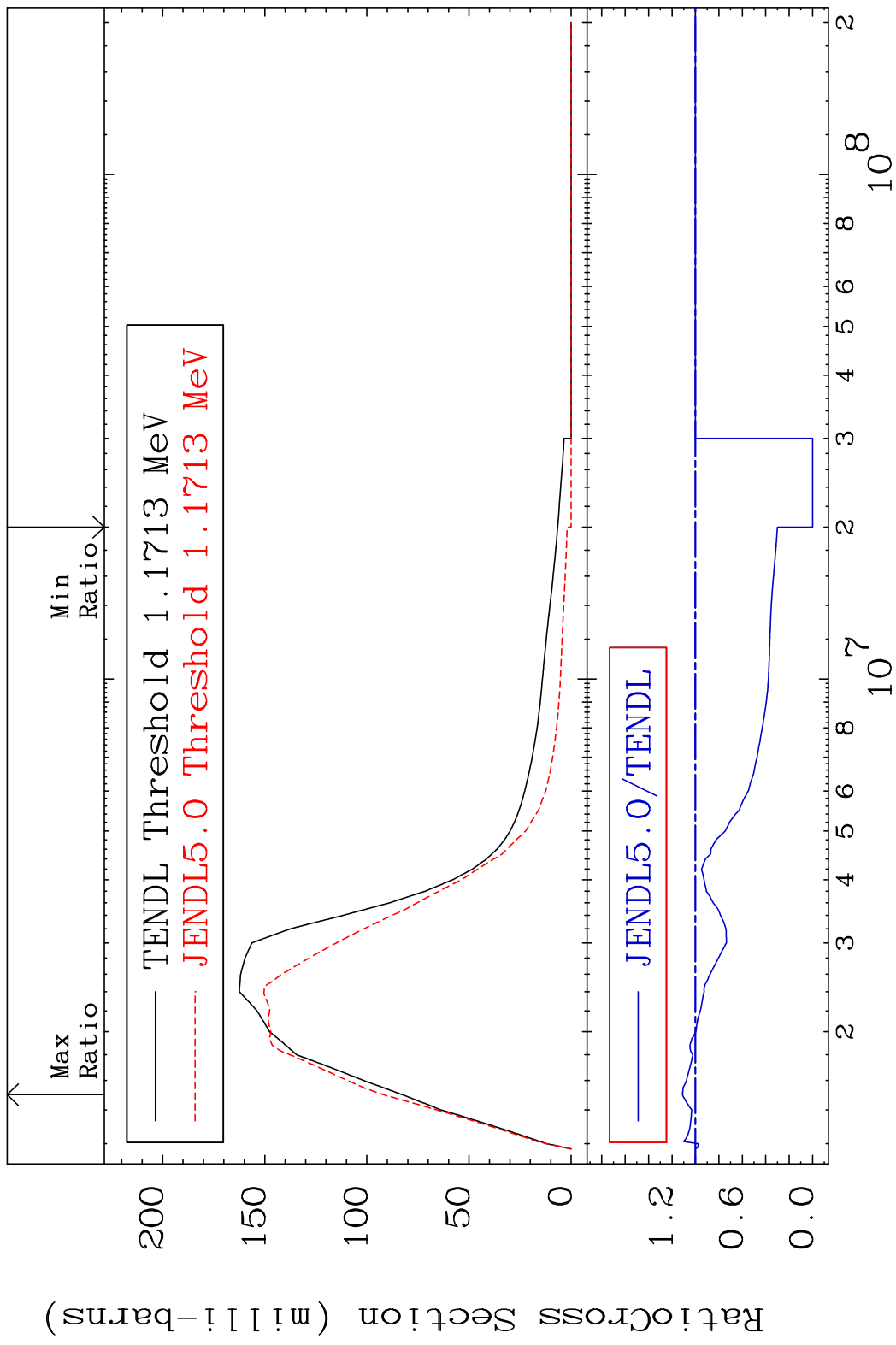
MAT 5225 MT= 51 (n, n') Level 52-Te-120
 Cross Section -100.0 To 19.00 %



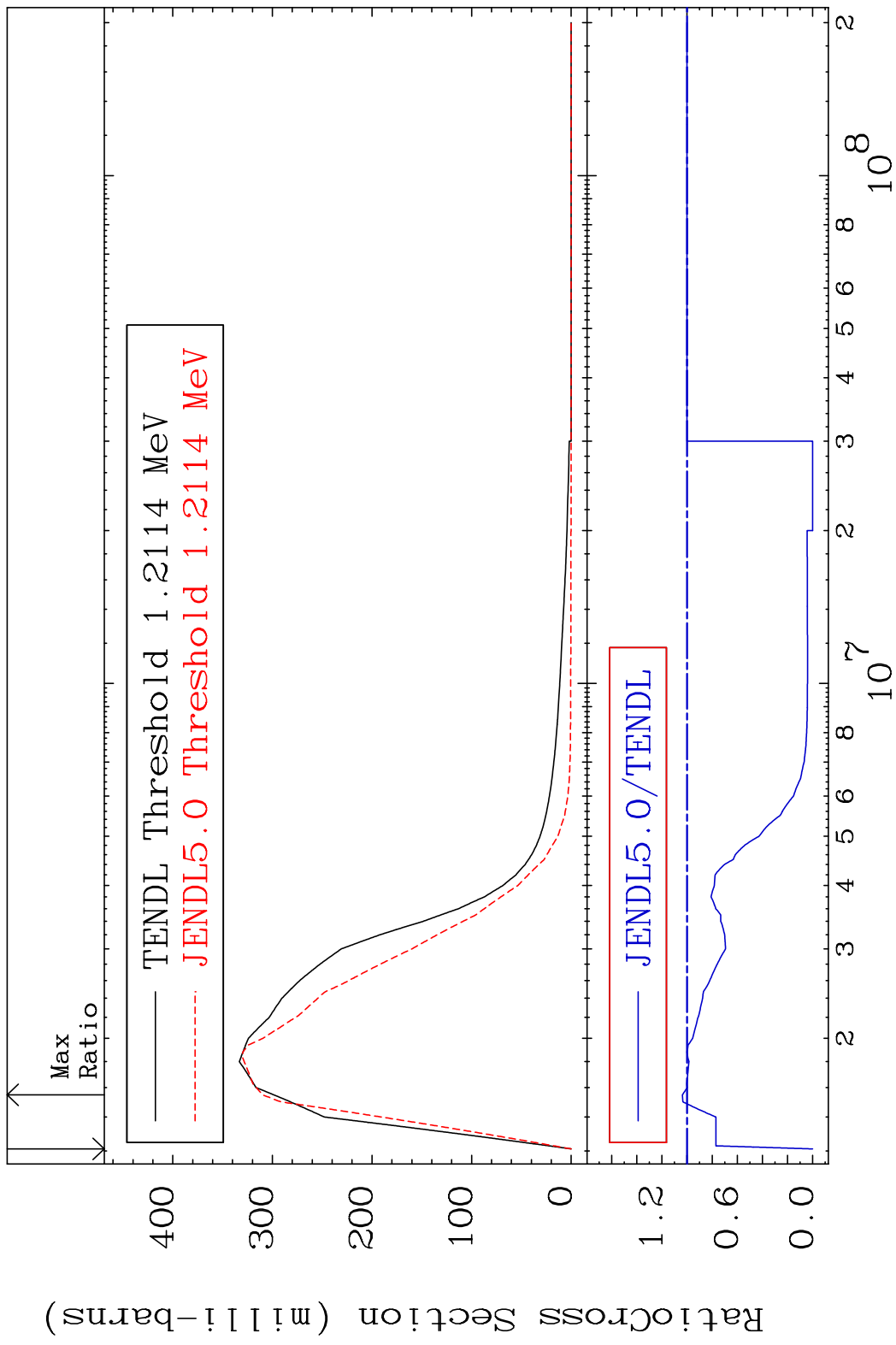
MAT 5225 MT= 52 (n, n') Level 52-Te-120
 Cross Section -100.0 To 6.293 %



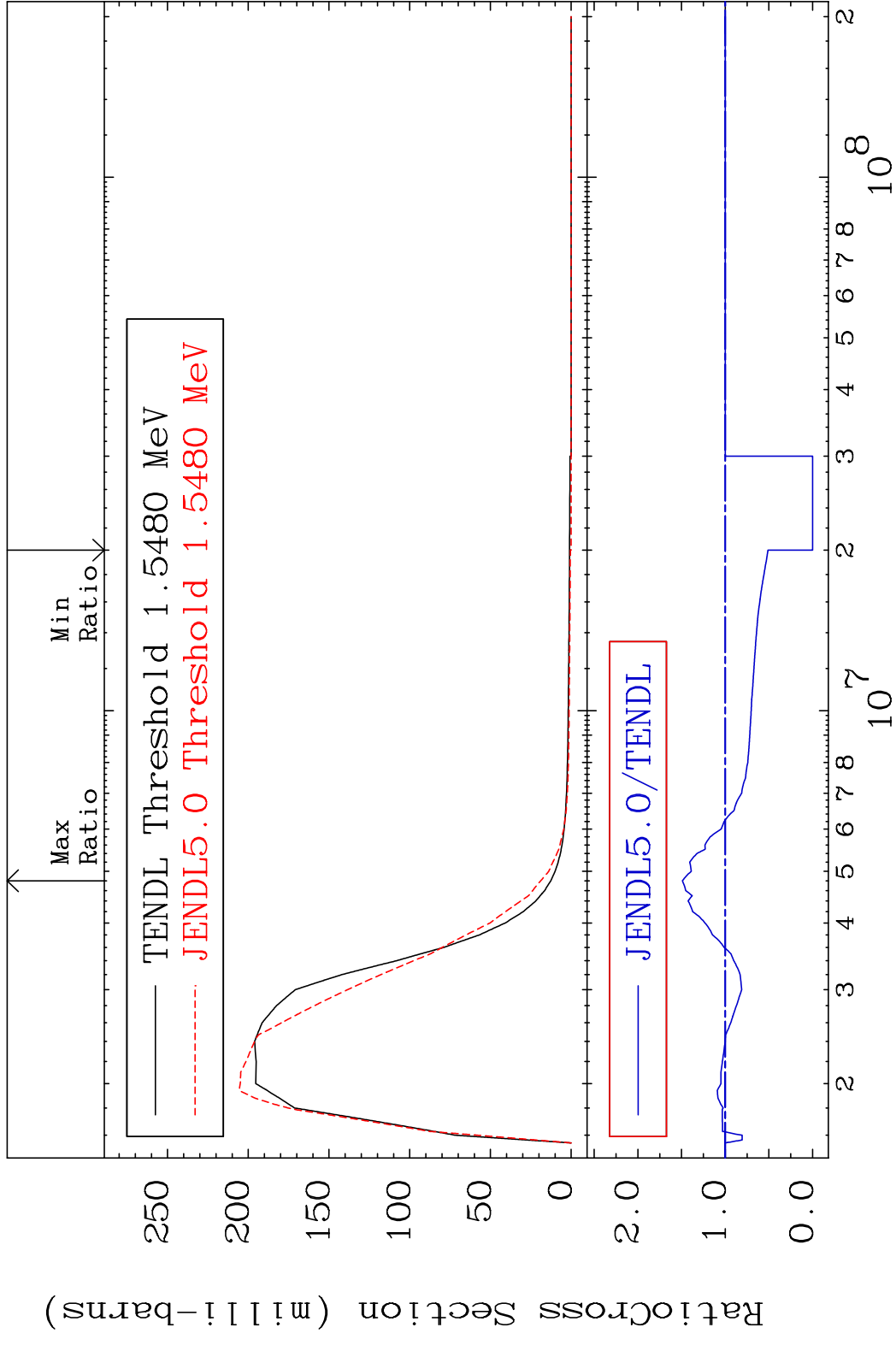
MAT 5225 MT= 53 (n, n') Level 52-Te-120
 Cross Section -100.0 To 11.18 %



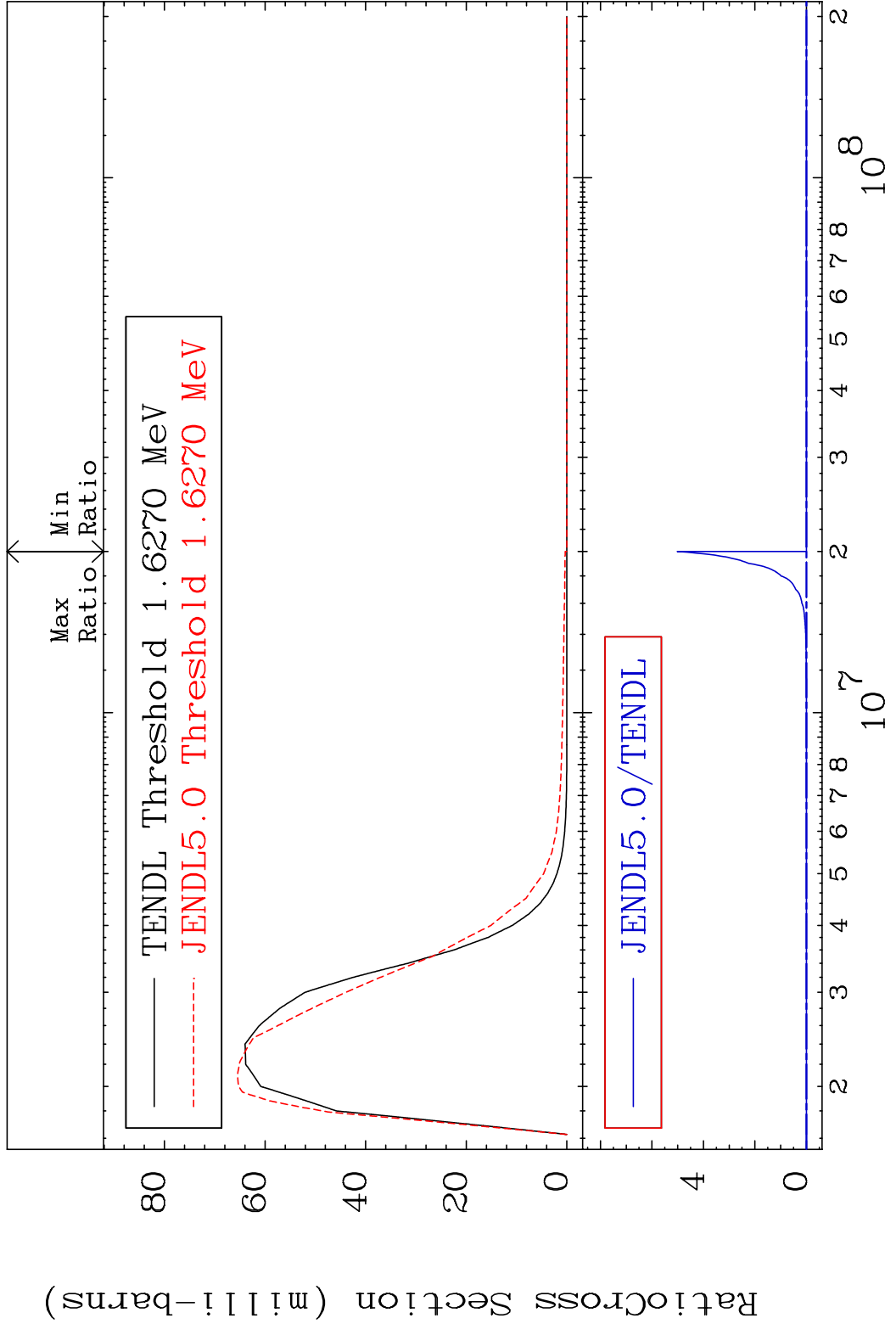
MAT 5225 MT= 54 (n, n') Level 52-Te-120
 Cross Section -100.0 To 3.745 %



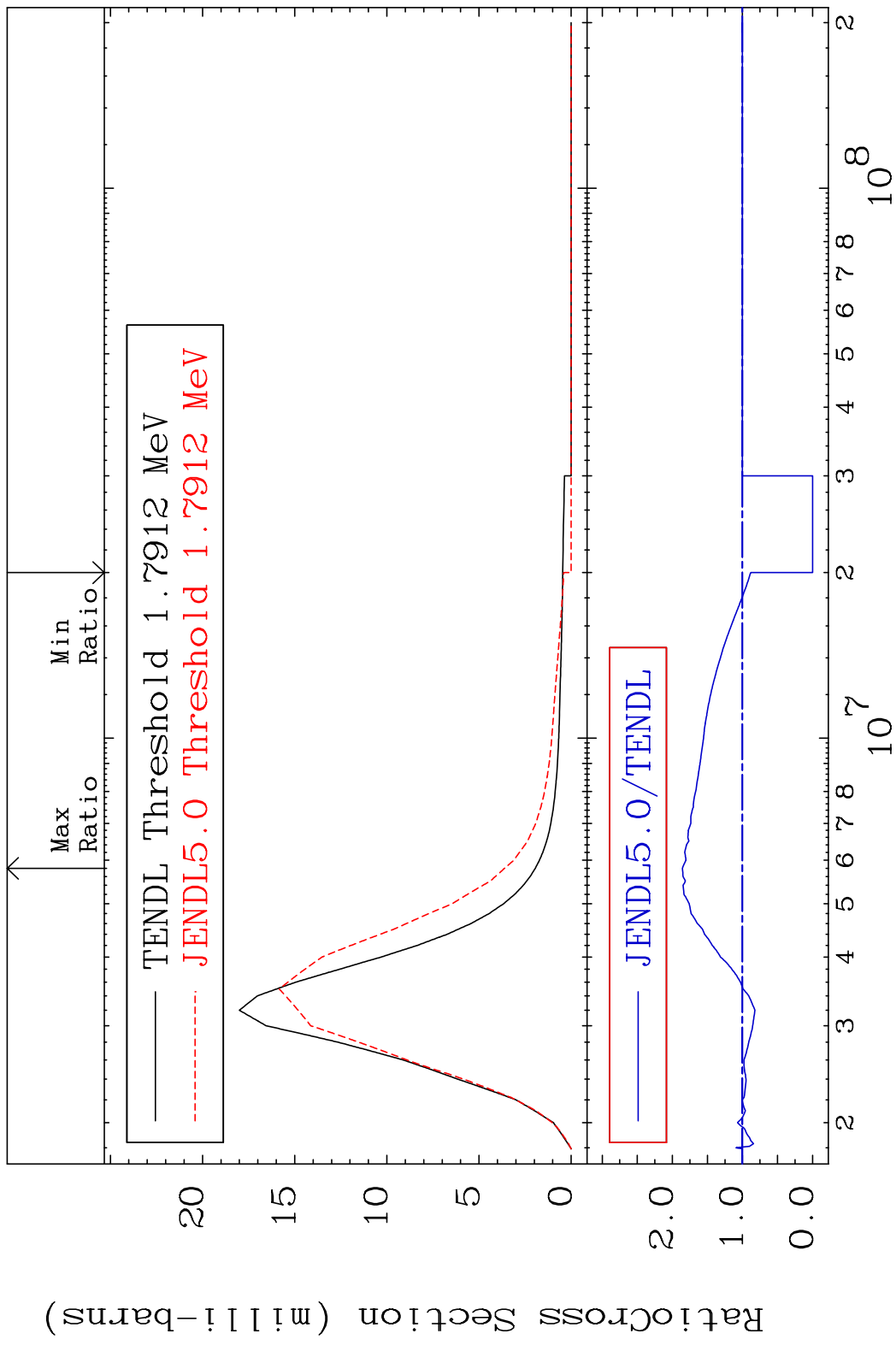
MAT 5225 MT= 55 (n, n') Level 52-Te-120
 Cross Section -100.0 To 49.09 %



MAT 5225 MT= 56 (n, n') Level 52-Te-120
 Cross Section -100.0 To 9999. %

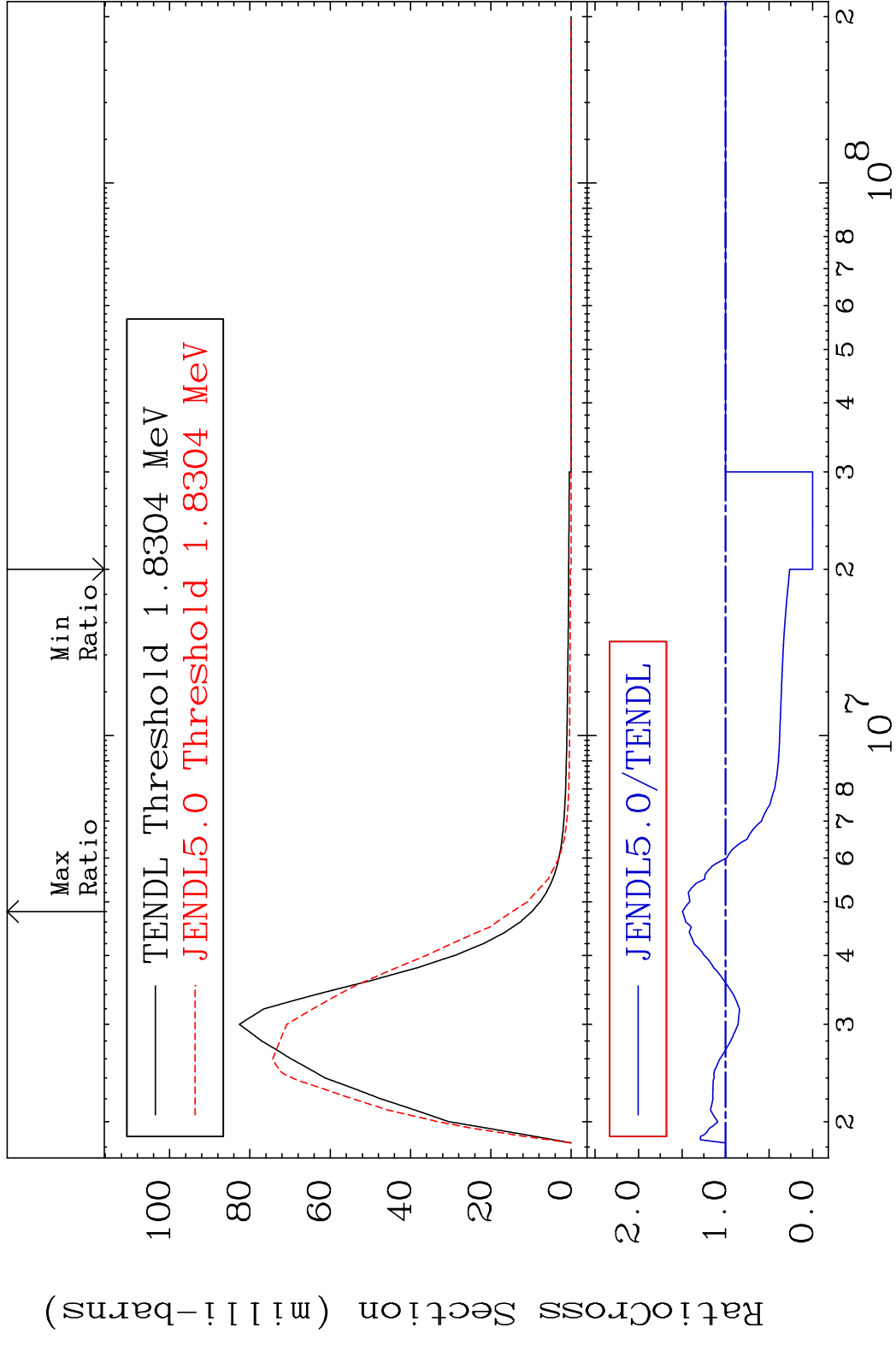


MAT 5225 MT= 57 (n, n') Level 52-Te-120
 Cross Section -100.0 To 85.74 %

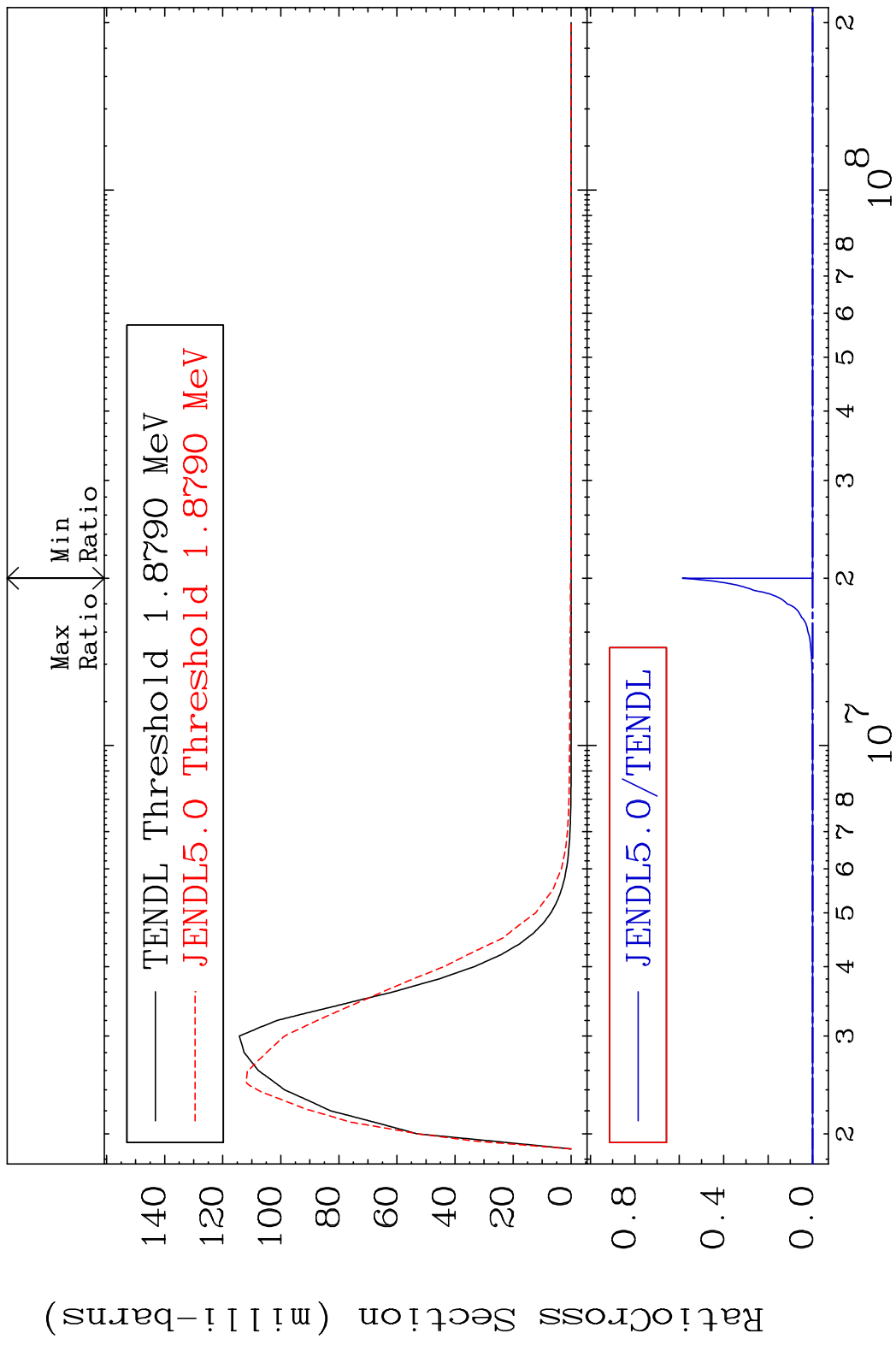


17 17 Incident Energy (eV) 52-Te-120

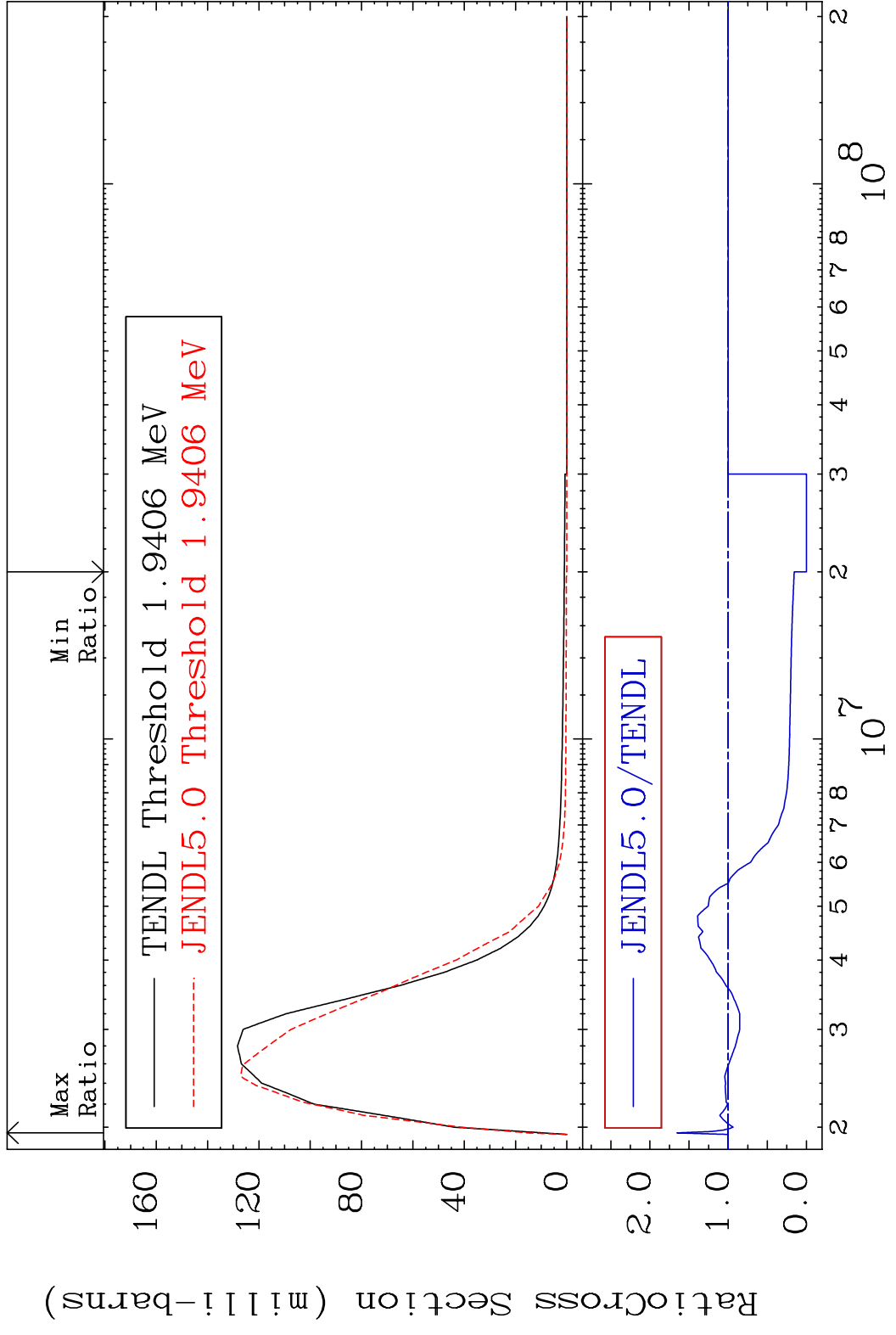
MAT 5225 MT= 58 (n, n') Level 52-Te-120
 Cross Section -100.0 To 49.69 %



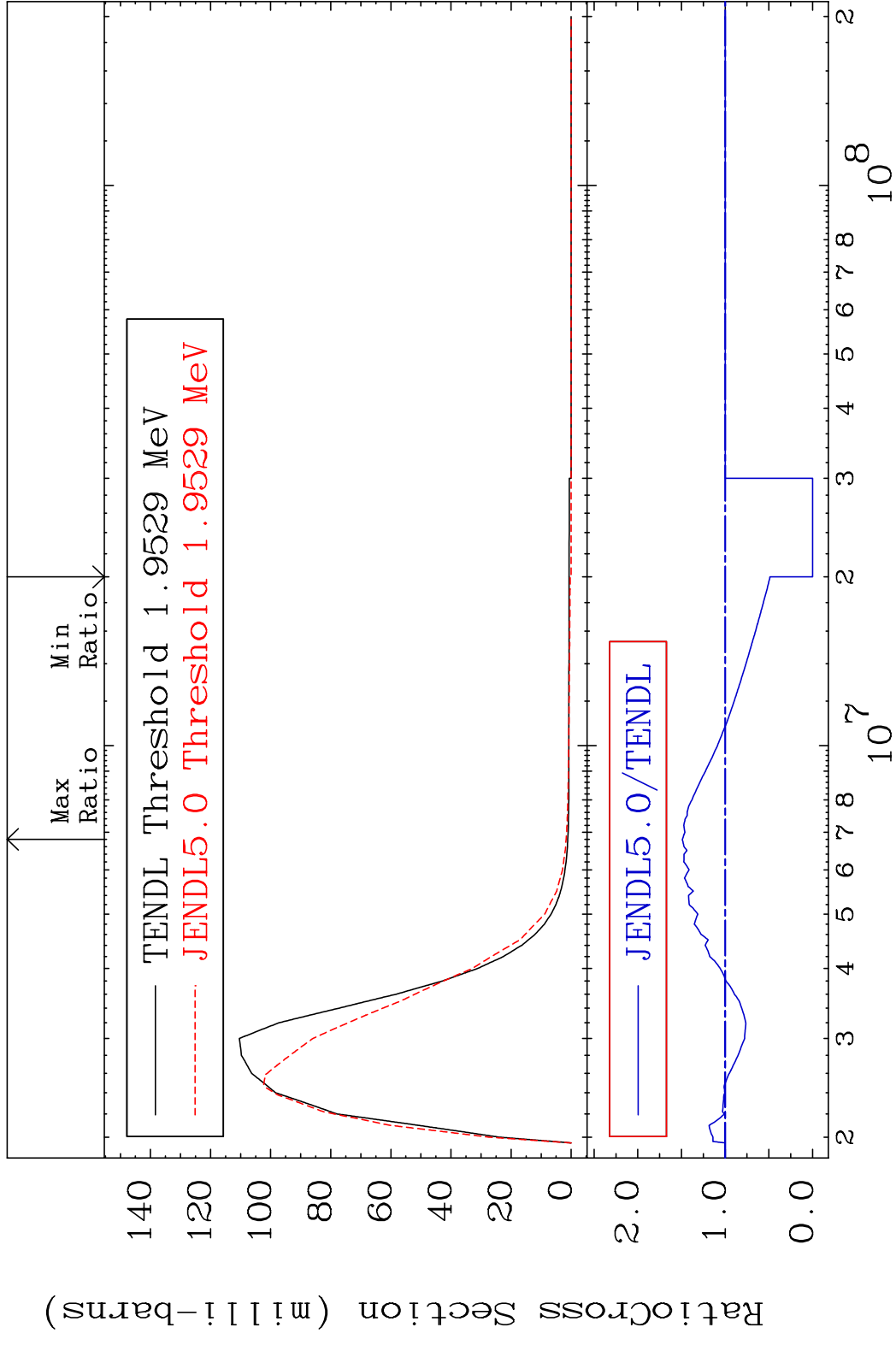
MAT 5225 MT= 59 (n, n') Level 52-Te-120
 Cross Section -100.0 To 9999. %



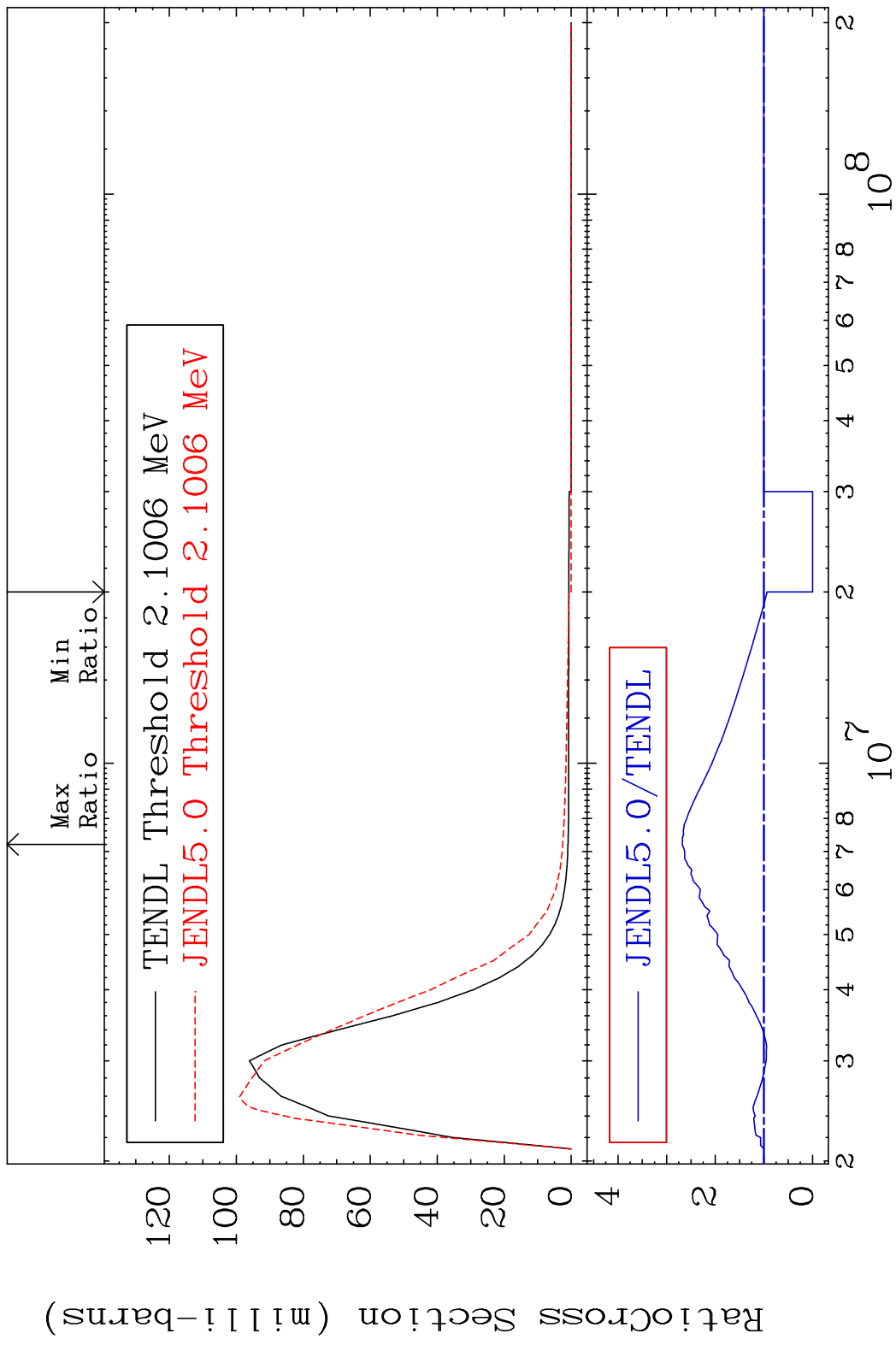
MAT 5225 MT= 60 (n, n') Level 52-Te-120
 Cross Section -100.0 To 65.18 %



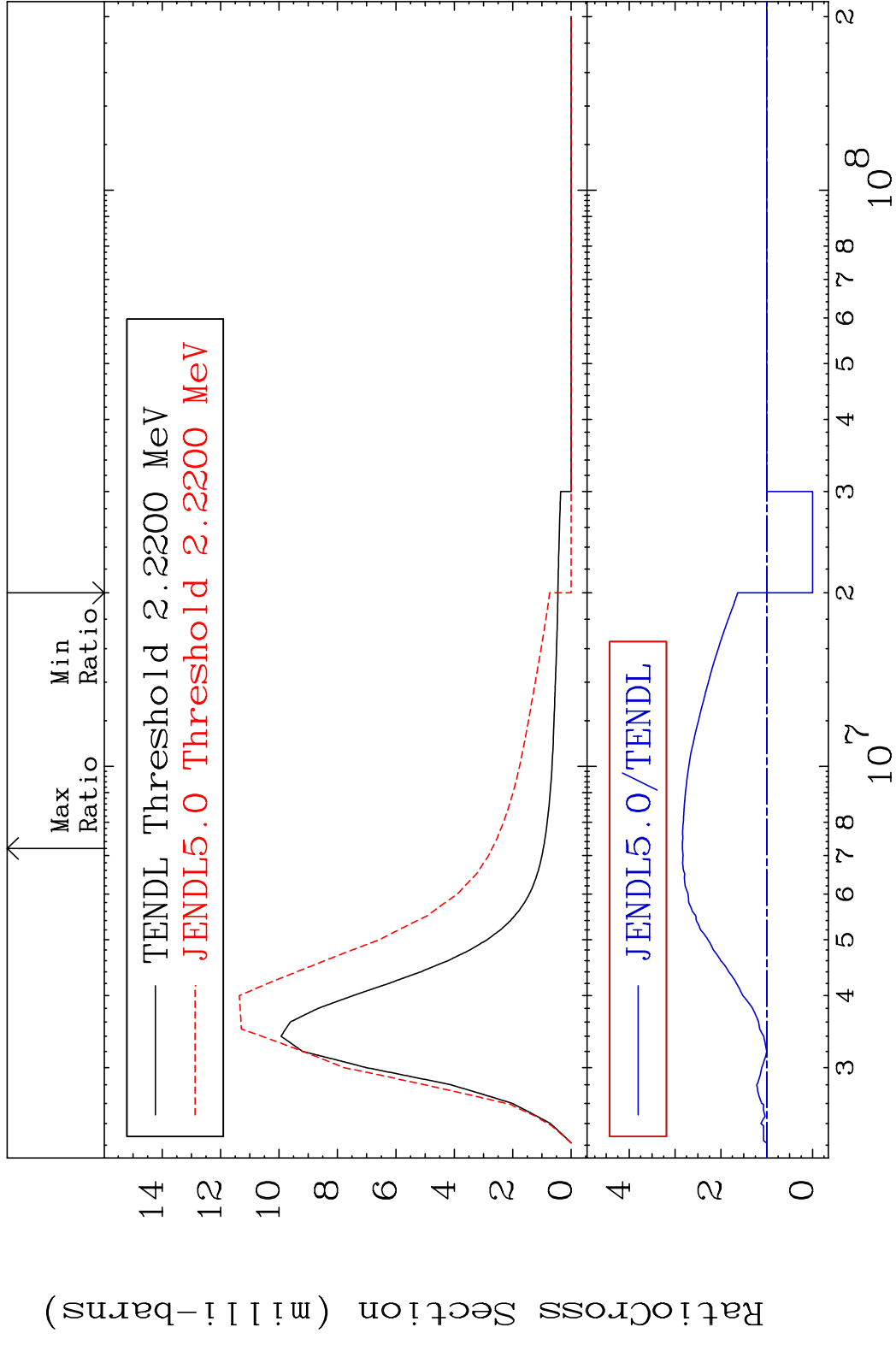
MAT 5225 MT= 61 (n, n') Level 52-Te-120
 Cross Section -100.0 To 49.01 %



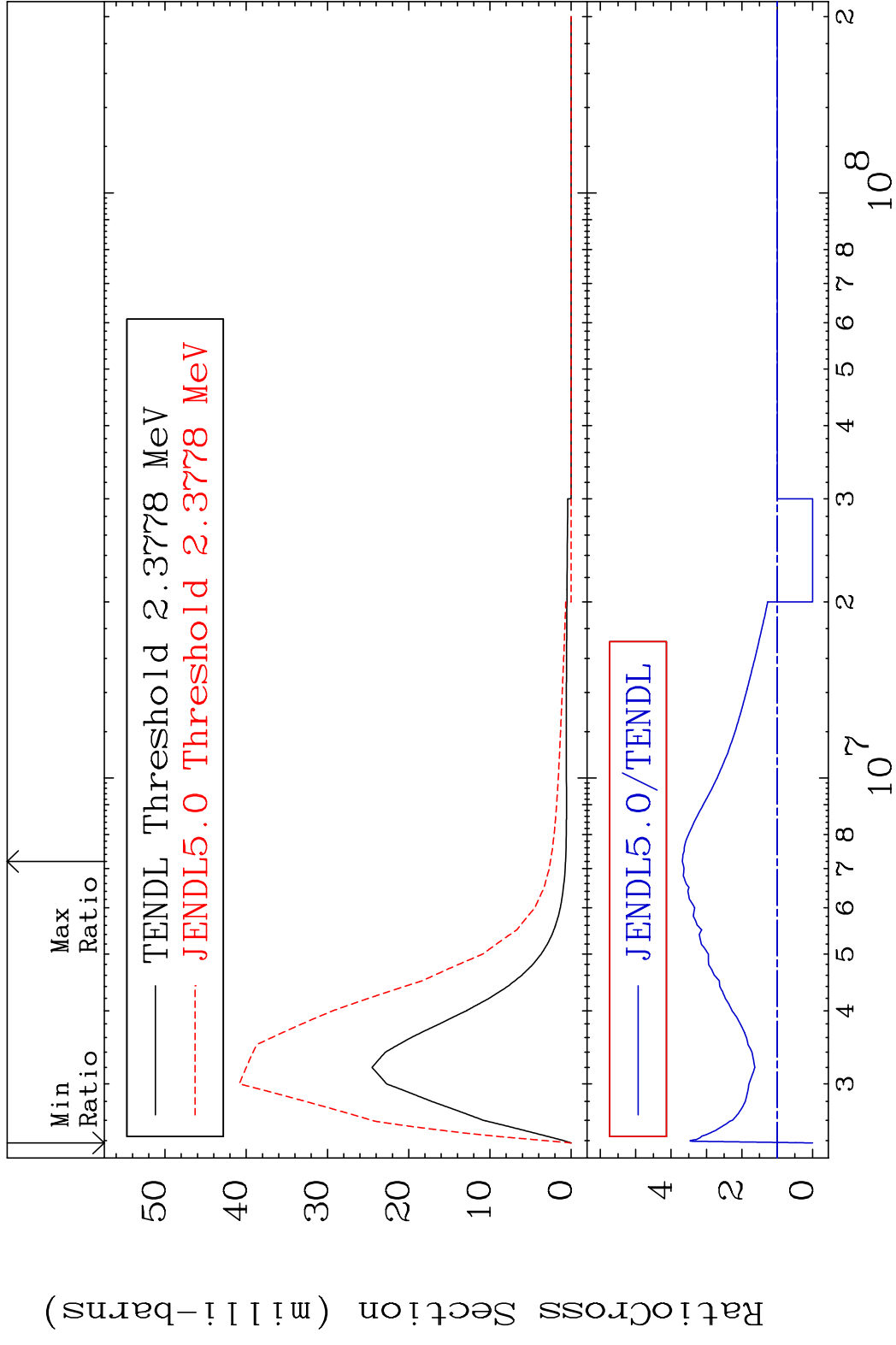
MAT 5225 MT= 62 (n, n') Level 52-Te-120
 Cross Section -100.0 To 167.7 %



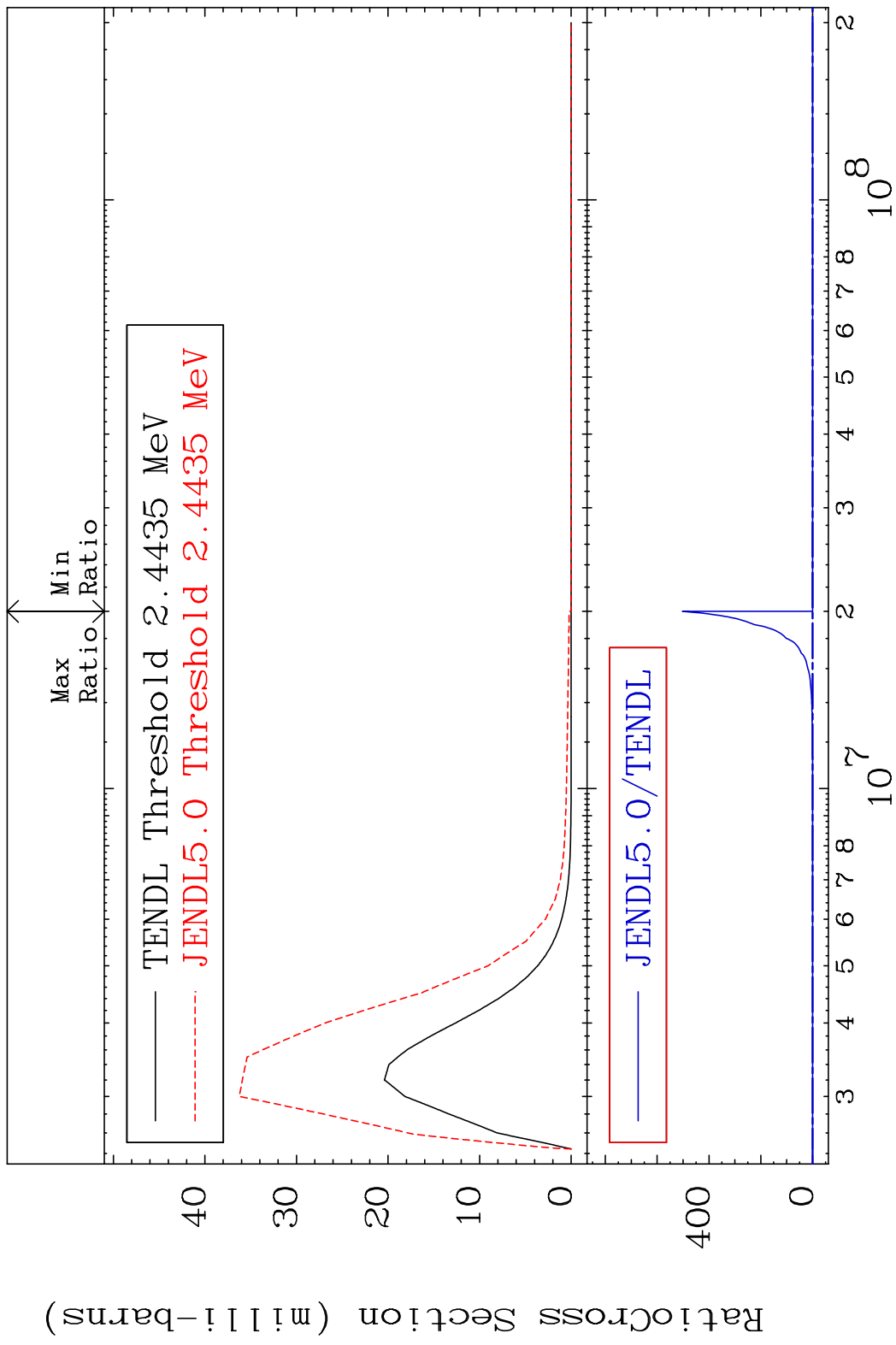
MAT 5225 MT= 63 (n, n') Level 52-Te-120
 Cross Section -100.0 To 184.0 %



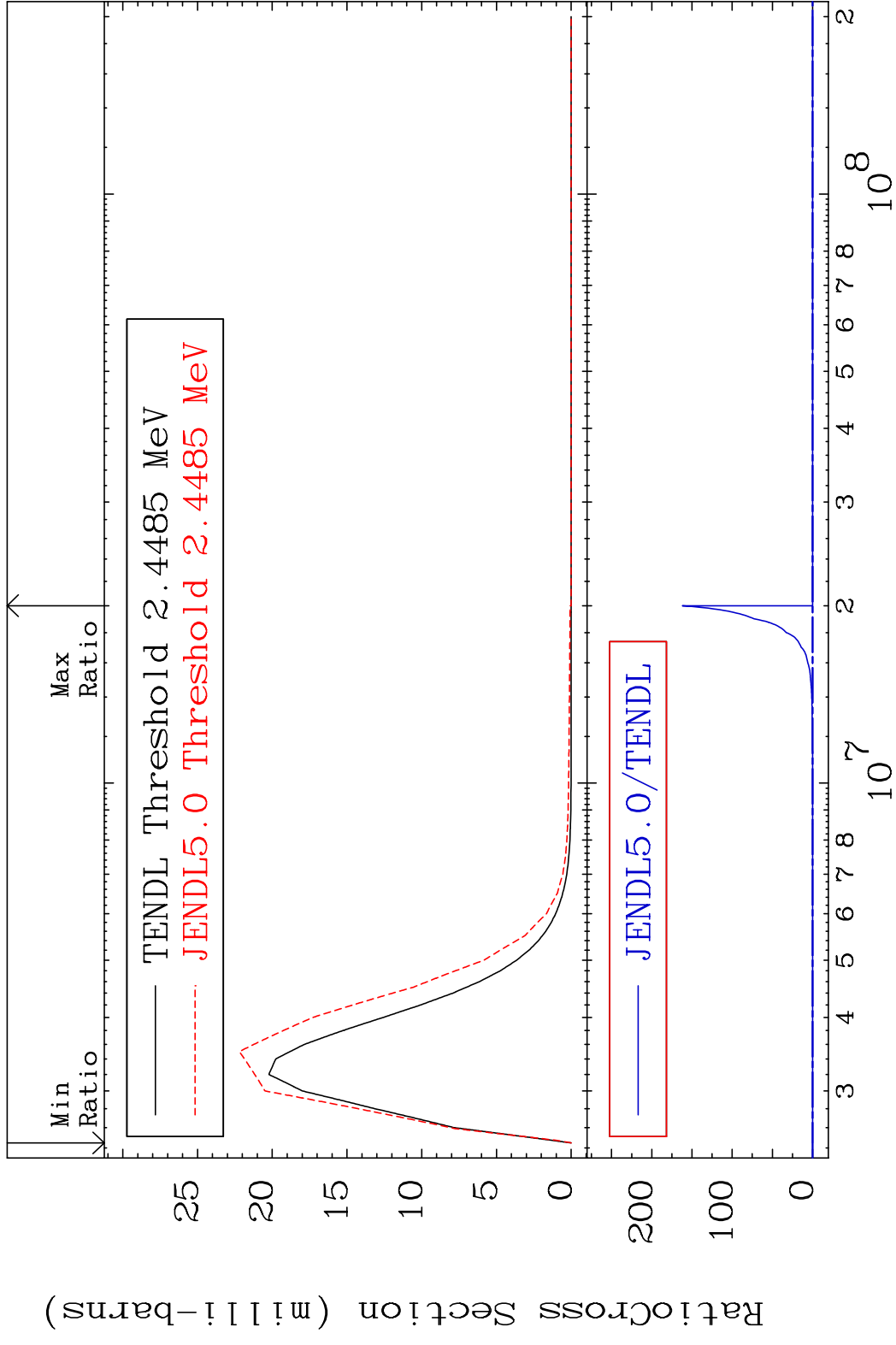
MAT 5225 MT= 64 (n,n') Level 52-Te-120
 Cross Section -100.0 To 268.1 %



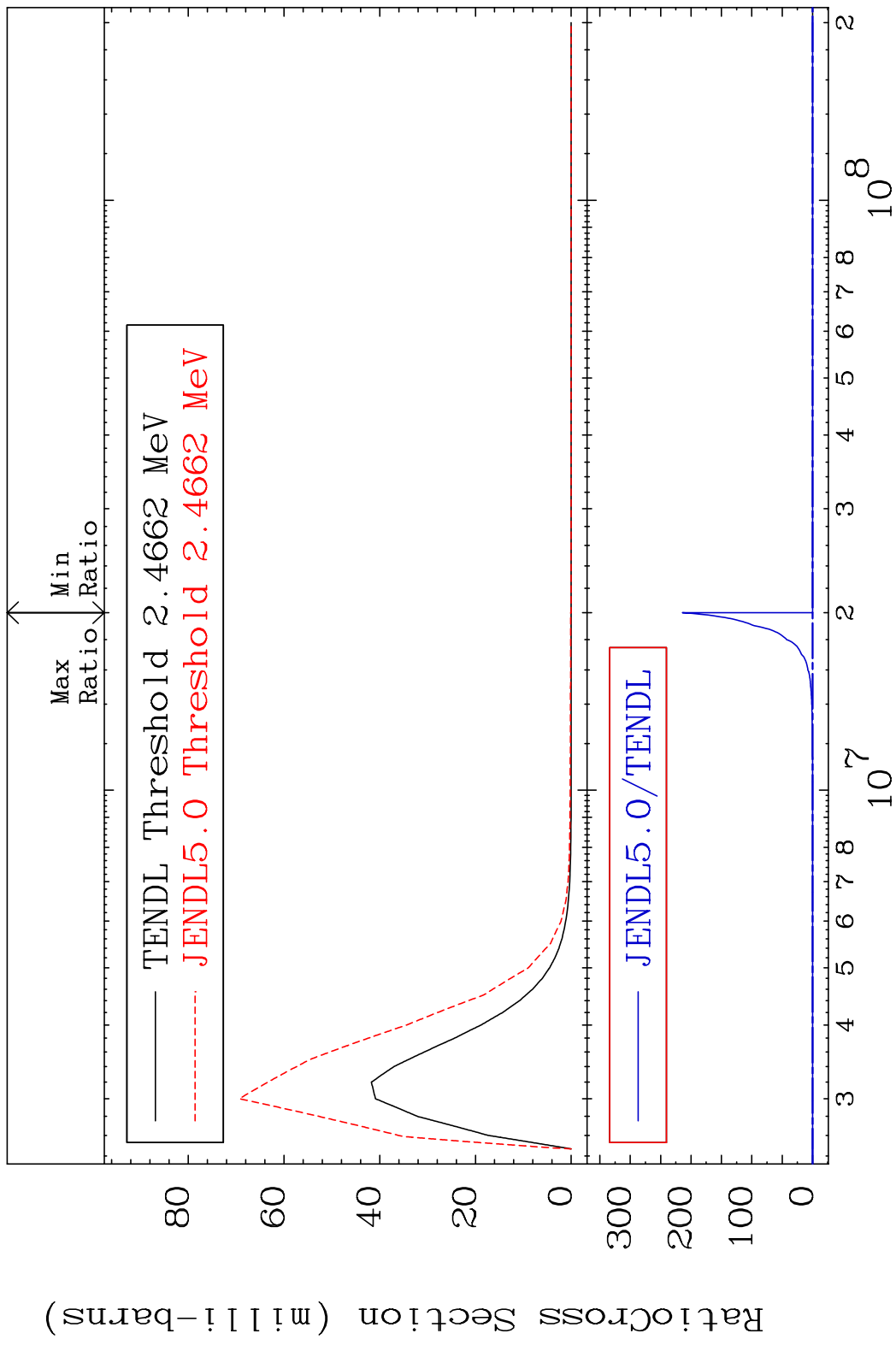
MAT 5225 MT= 65 (n, n') Level 52-Te-120
 Cross Section -100.0 To 9999. %



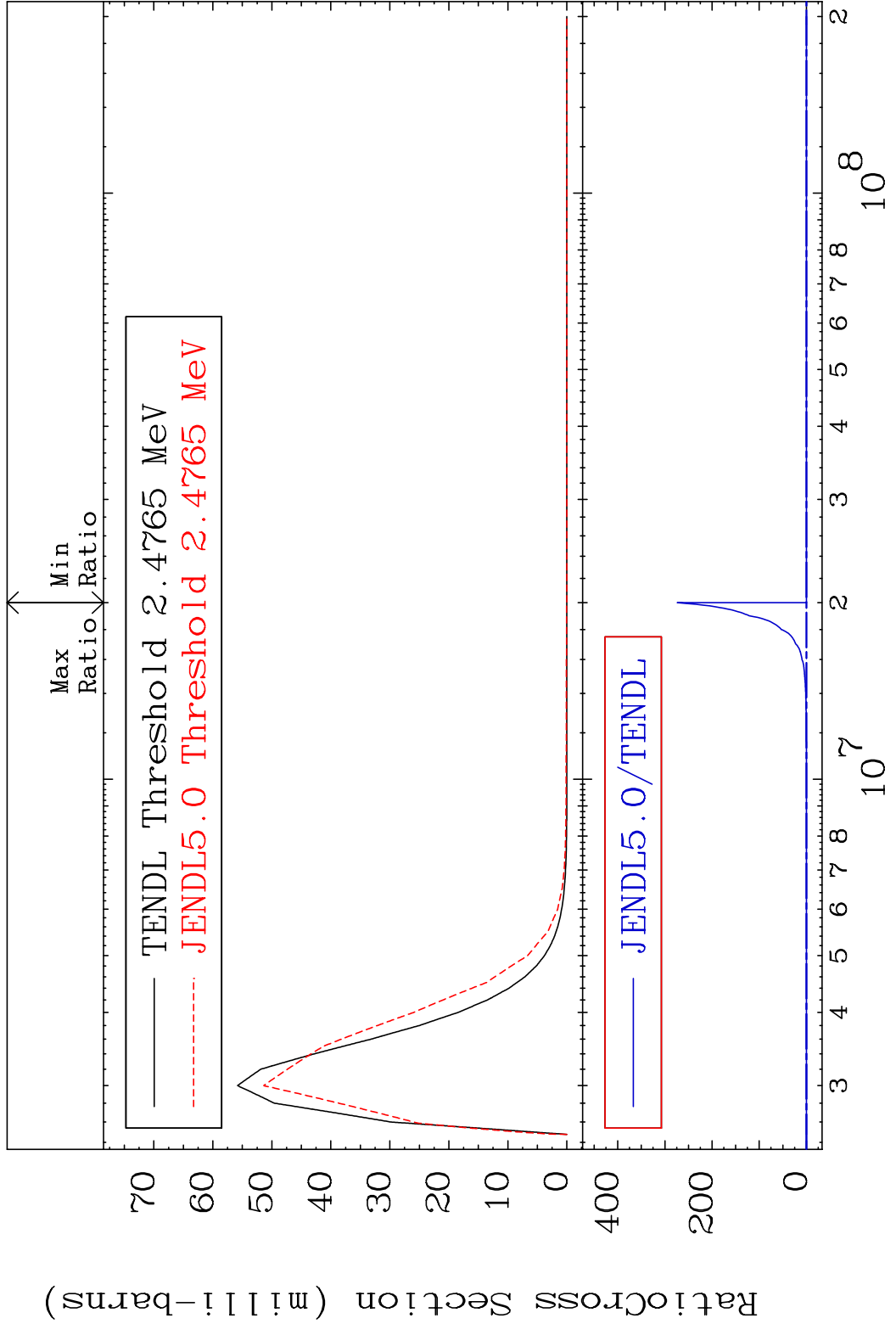
MAT 5225 MT= 66 (n, n') Level 52-Te-120
 Cross Section -100.0 To 9999. %



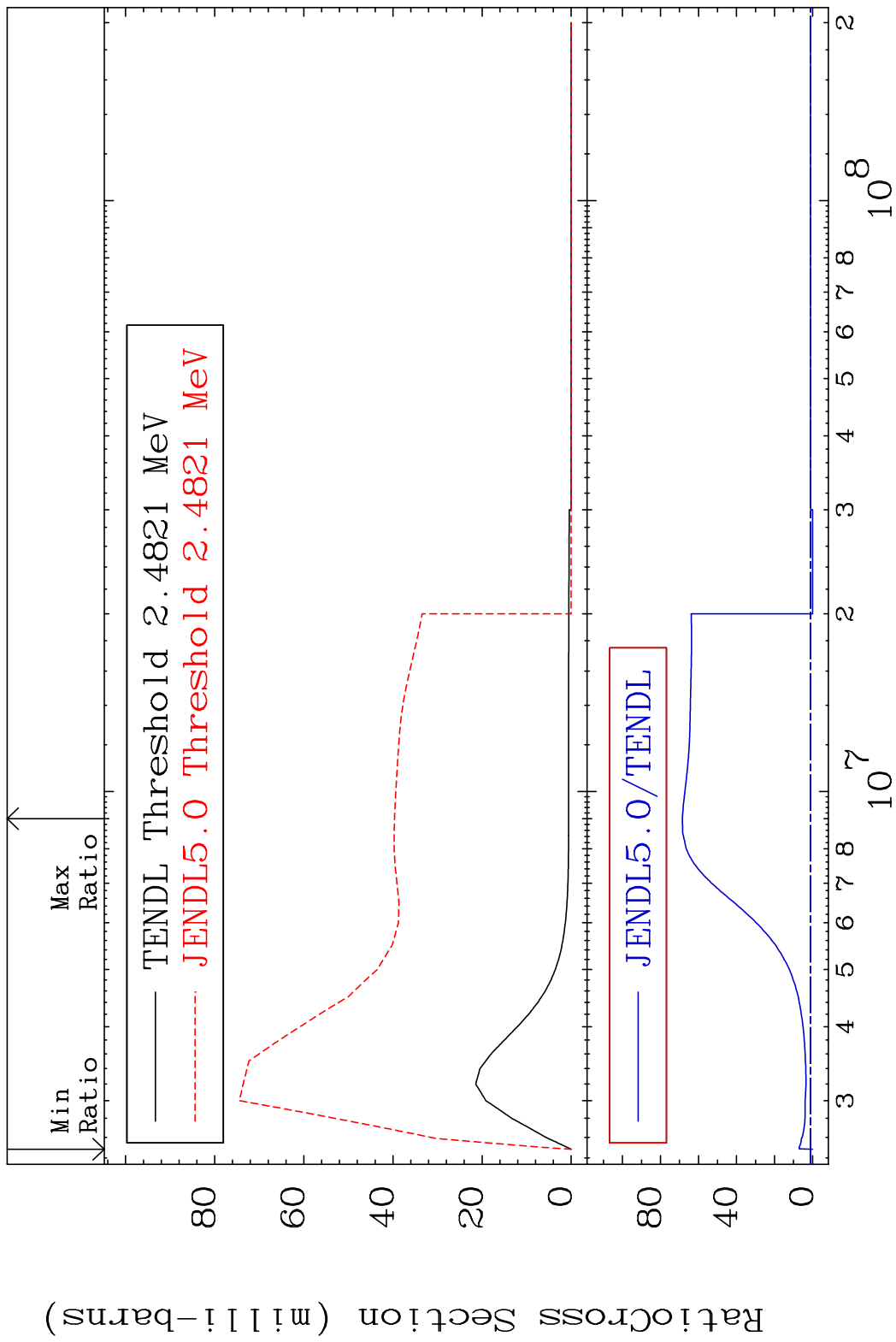
MAT 5225 MT= 67 (n, n') Level 52-Te-120
 Cross Section -100.0 To 9999. %



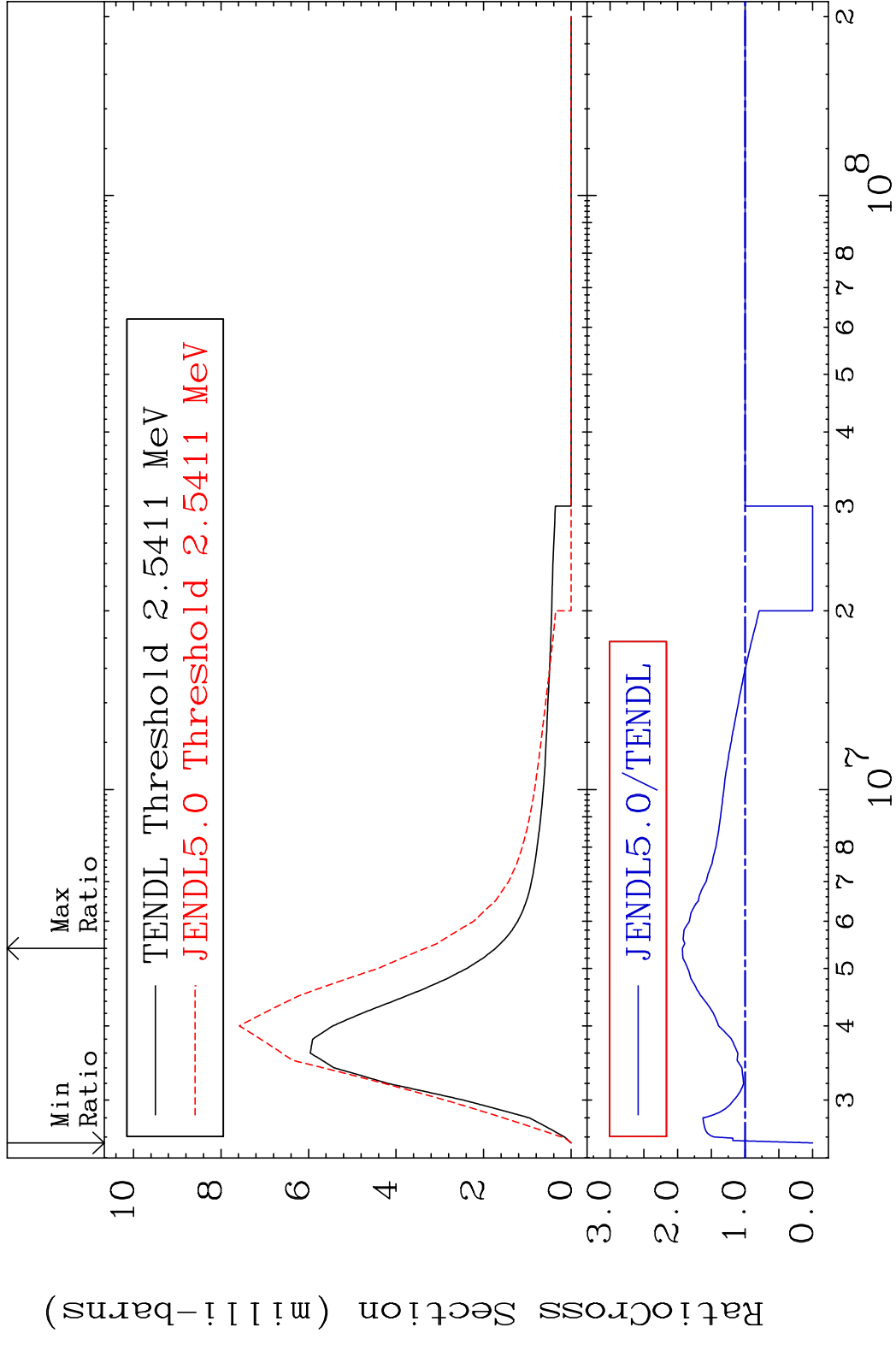
MAT 5225 MT= 68 (n, n') Level 52-Te-120
 Cross Section -100.0 To 9999. %



MAT 5225 MT= 69 (n, n') Level 52-Te-120
 Cross Section -100.0 To 6750. %

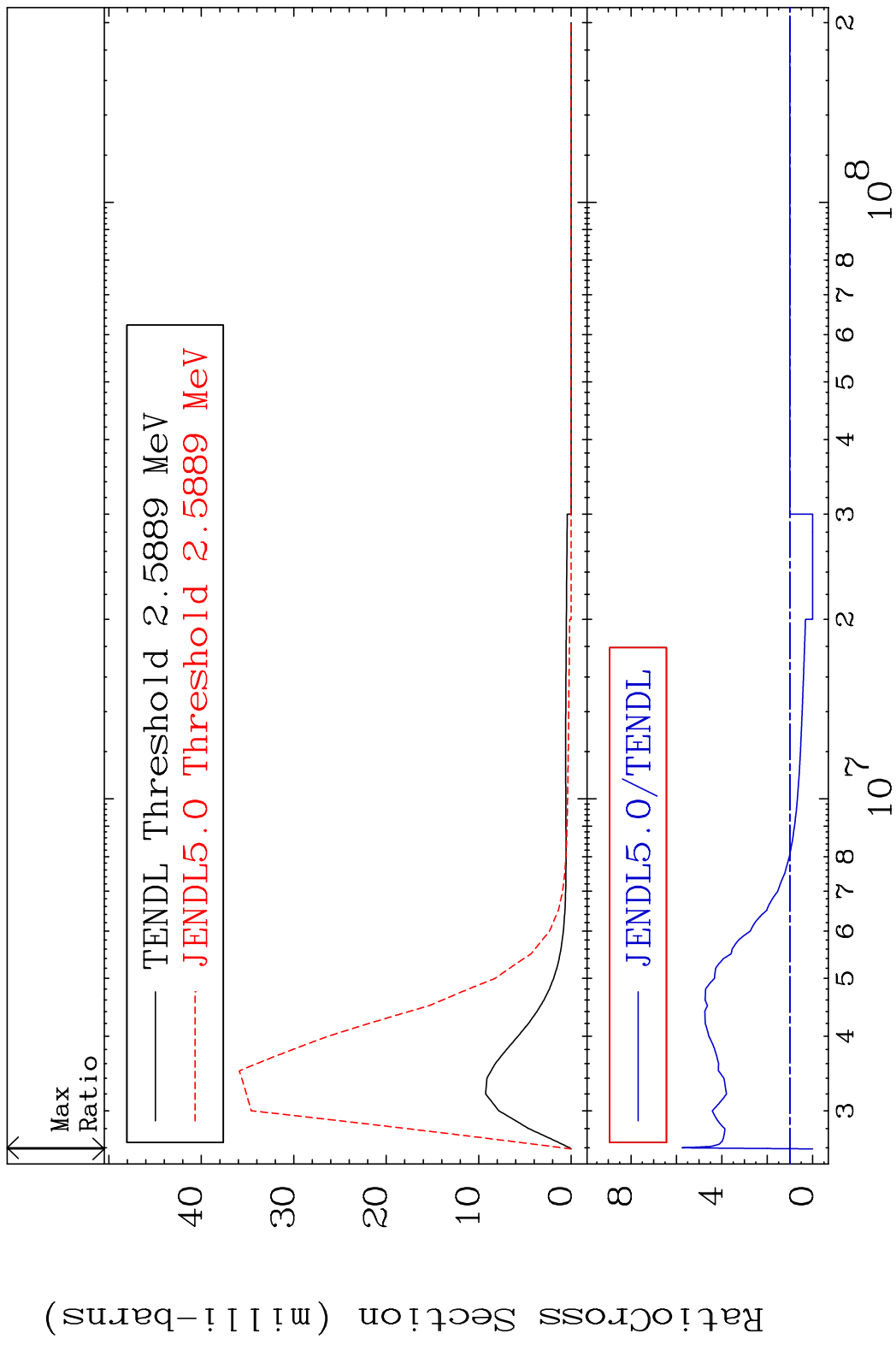


MAT 5225 MT= 70 (n,n') Level 52-Te-120
 Cross Section -100.0 To 93.03 %

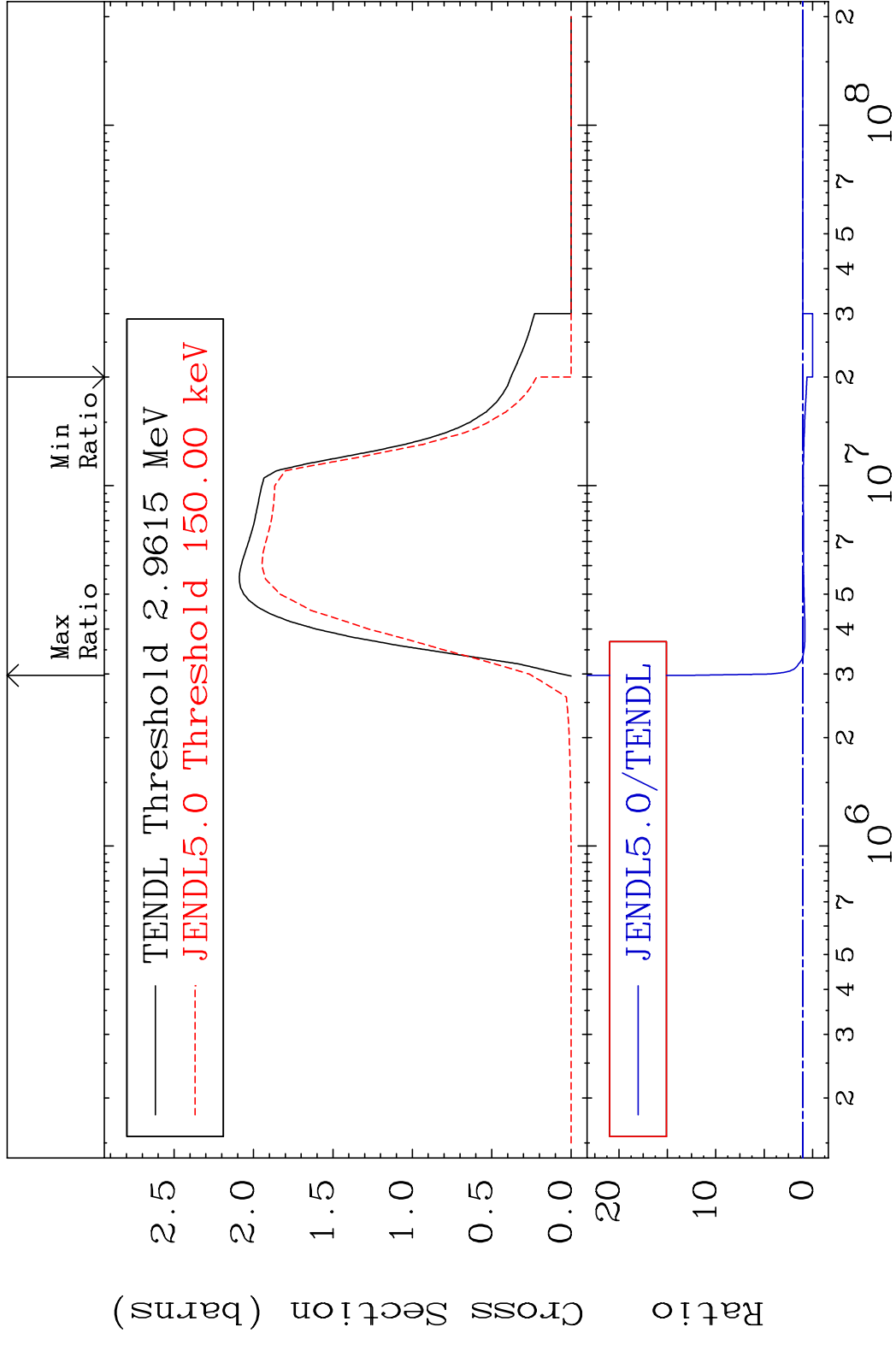


30 52-Te-120

MAT 5225 MT= 71 (n, n') Level 52-Te-120
 Cross Section -100.0 To 473.8 %



MAT 5225 (n, n') Continuum 52-Te-120
 Cross Section -100.0 To 1245. %

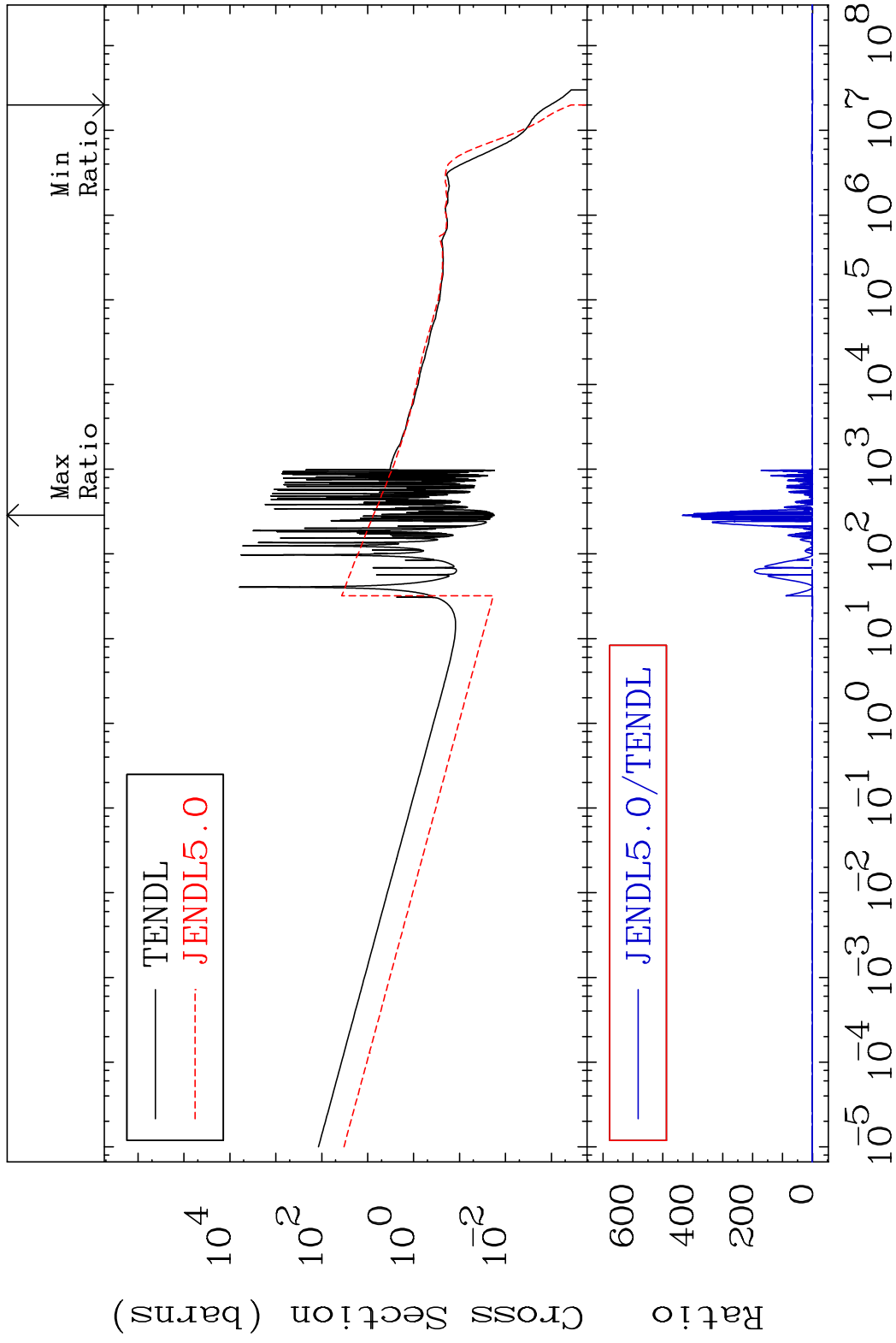


MAT 5225

(n, γ)

52-Te-120

Cross Section -100.0 To 9999. %

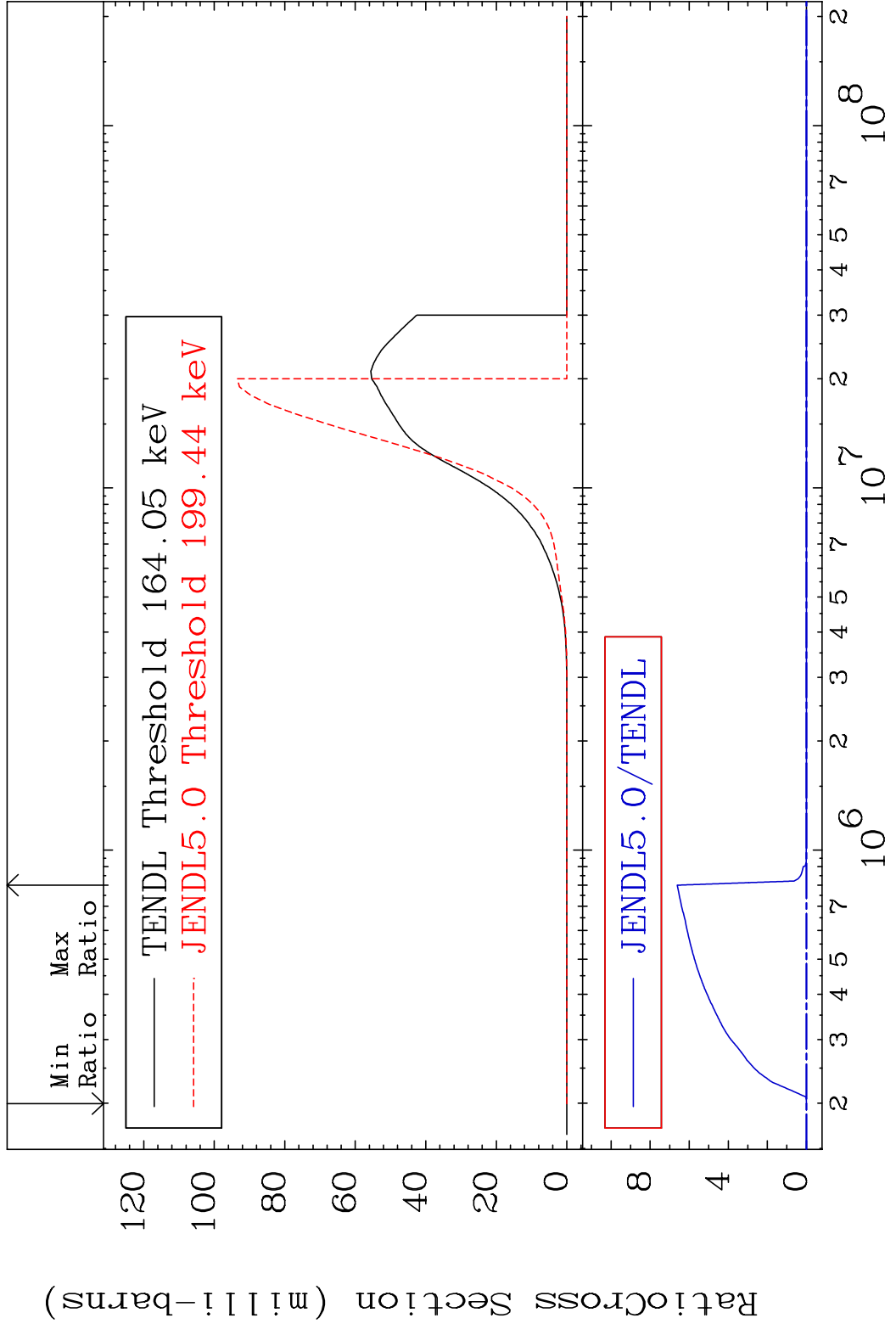


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Incident Energy (eV)

52-Te-120

MAT 5225 (n,p) 52-Te-120
 Cross Section -100.0 To 9999. %

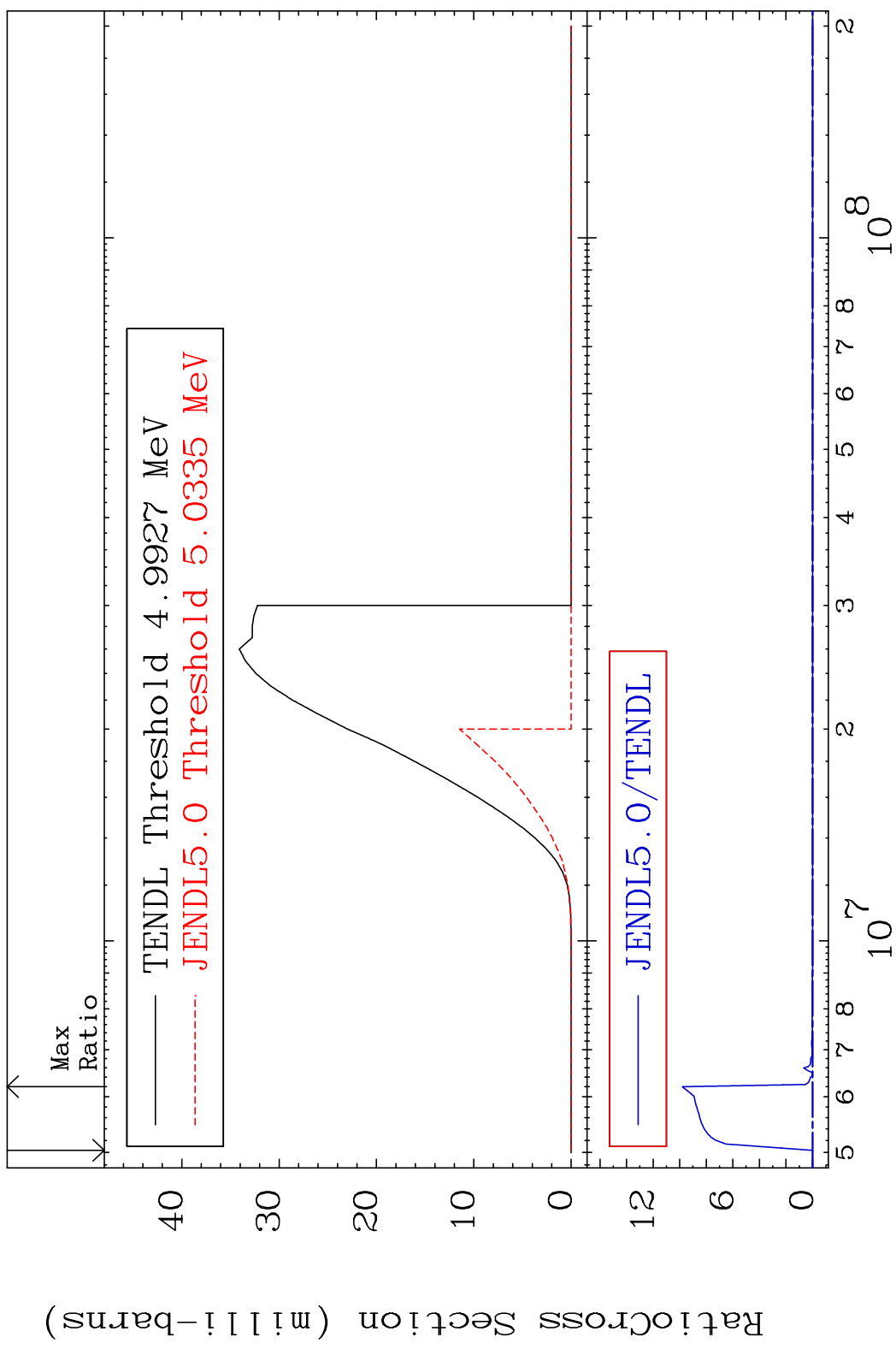


MAT 5225

(n,d)

52-Te-120

Cross Section -100.0 To 9999. %

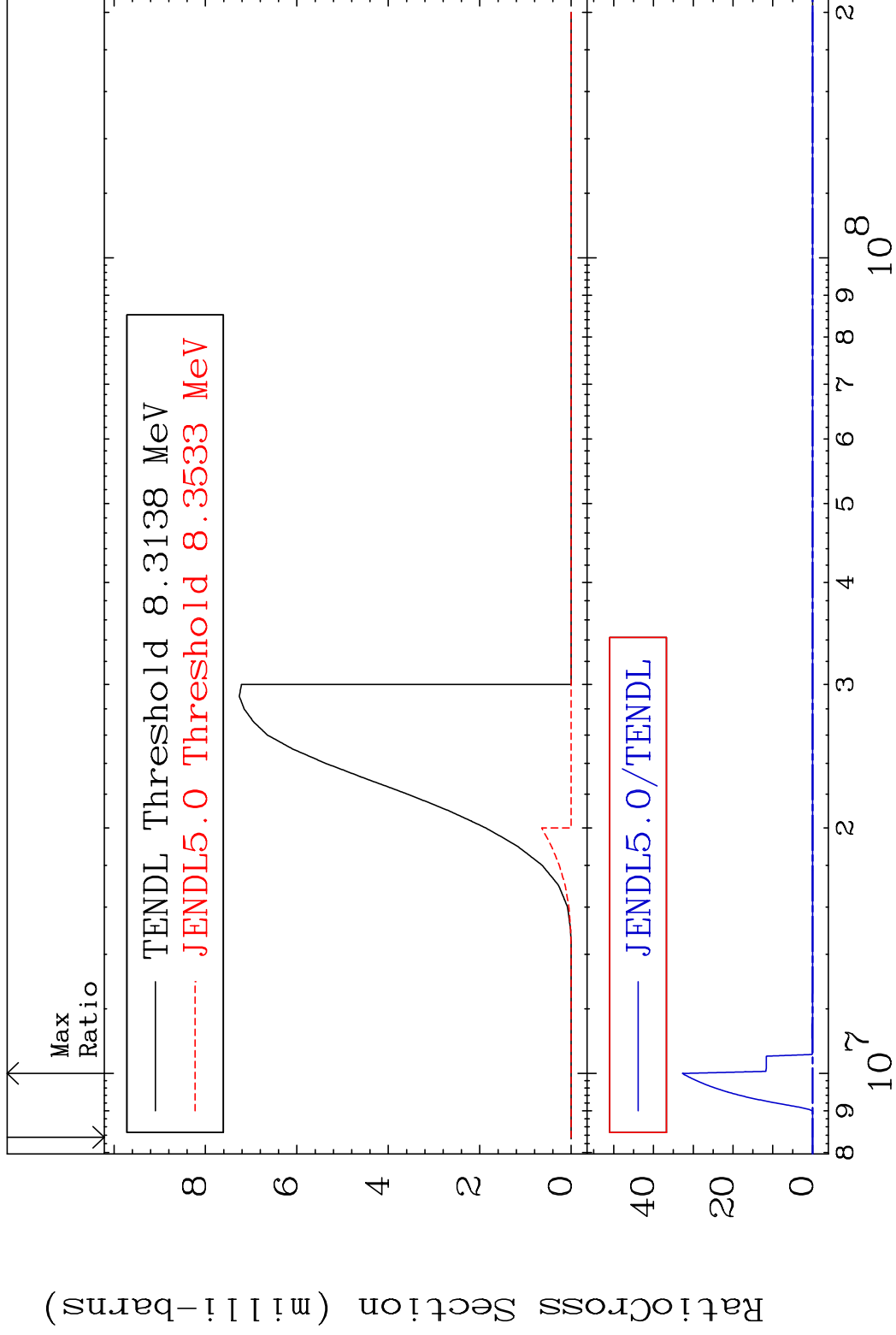


MAT 5225

(n, t)

52-Te-120

Cross Section -100.0 To 9999. %

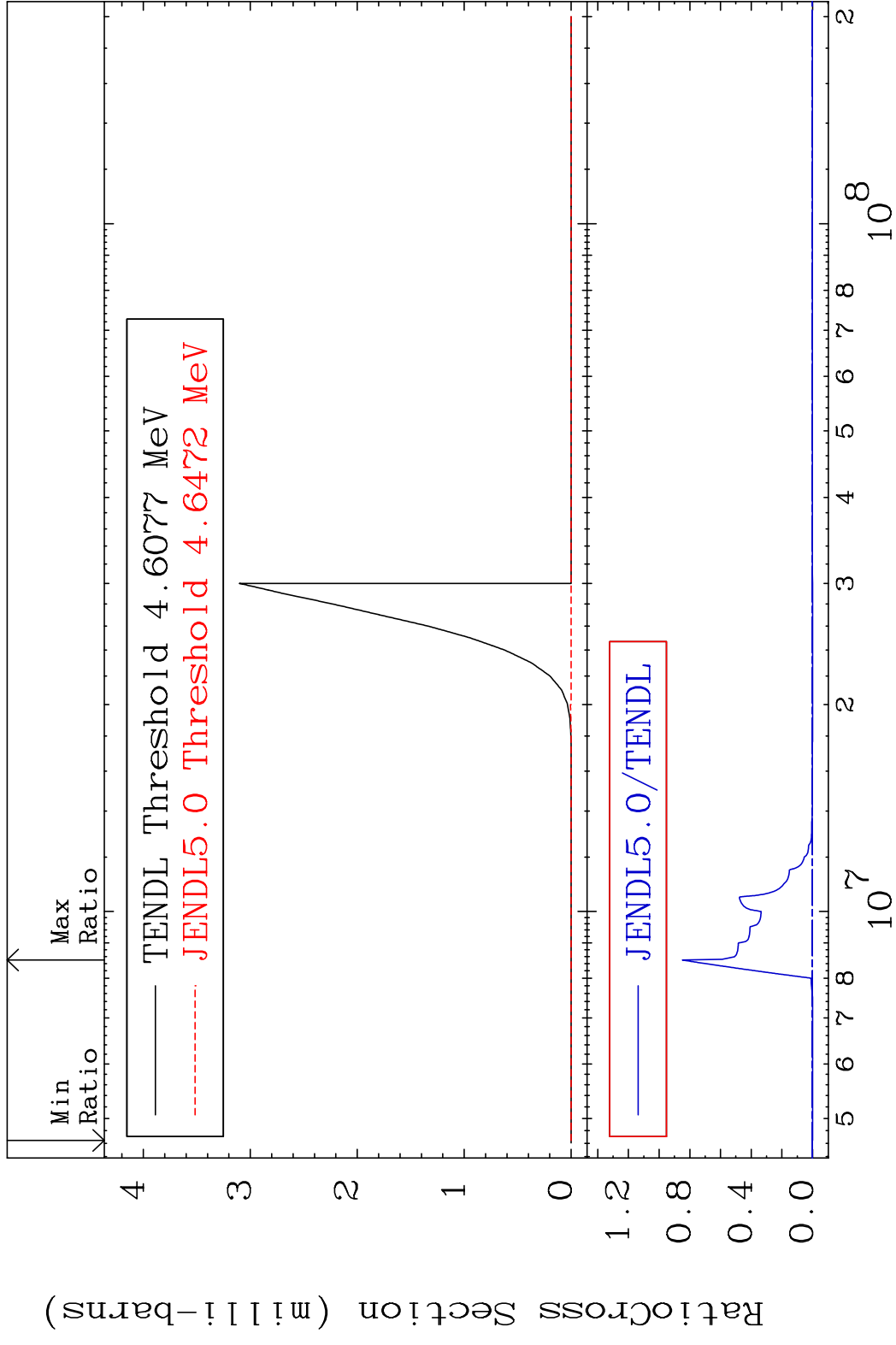


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Incident Energy (eV)

52-Te-120

MAT 5225 (n, He-3) 52-Te-120
 Cross Section -100.0 To 9999. %

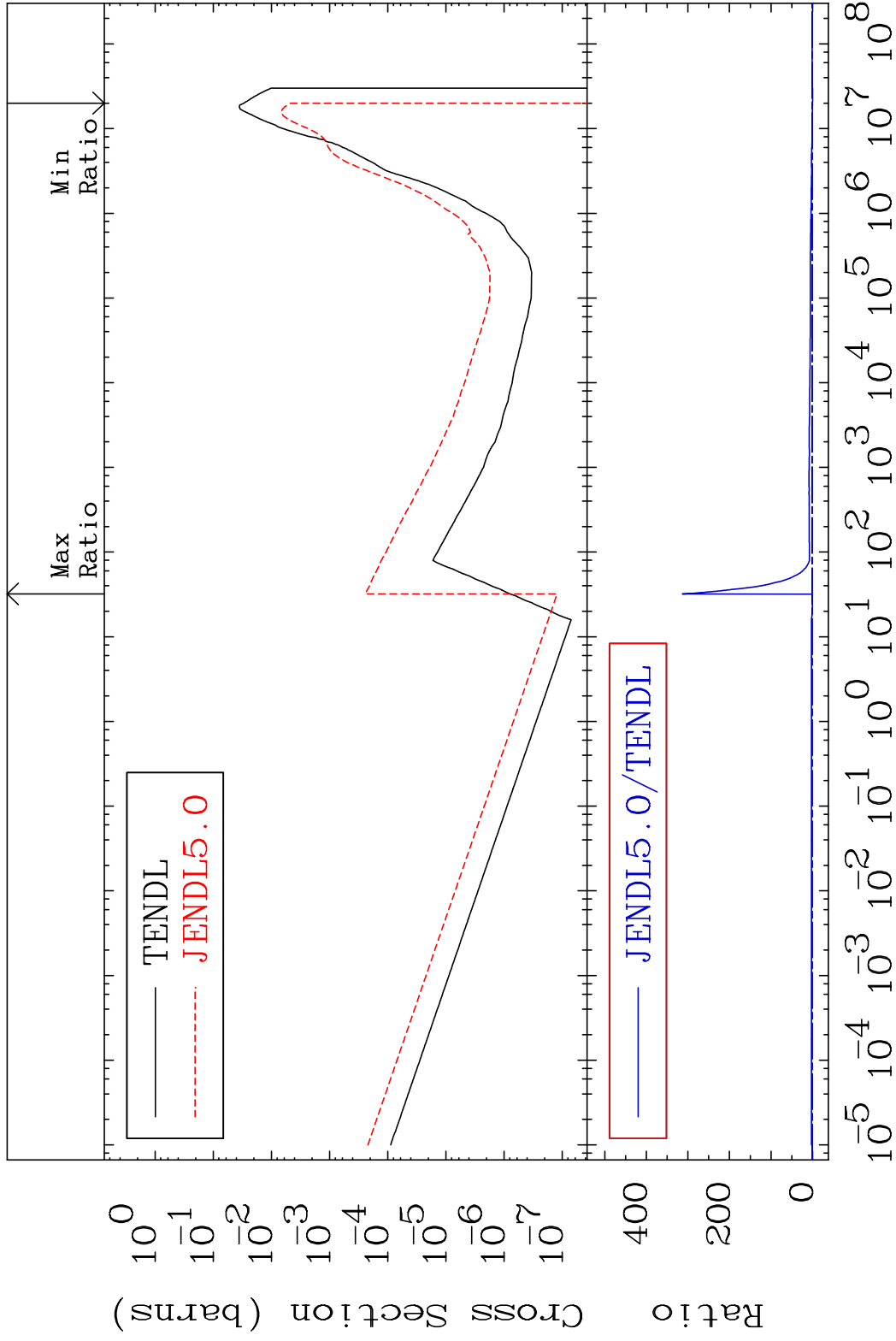


MAT 5225

(n, α)

52-Te-120

Cross Section -100.0 To 9999. %

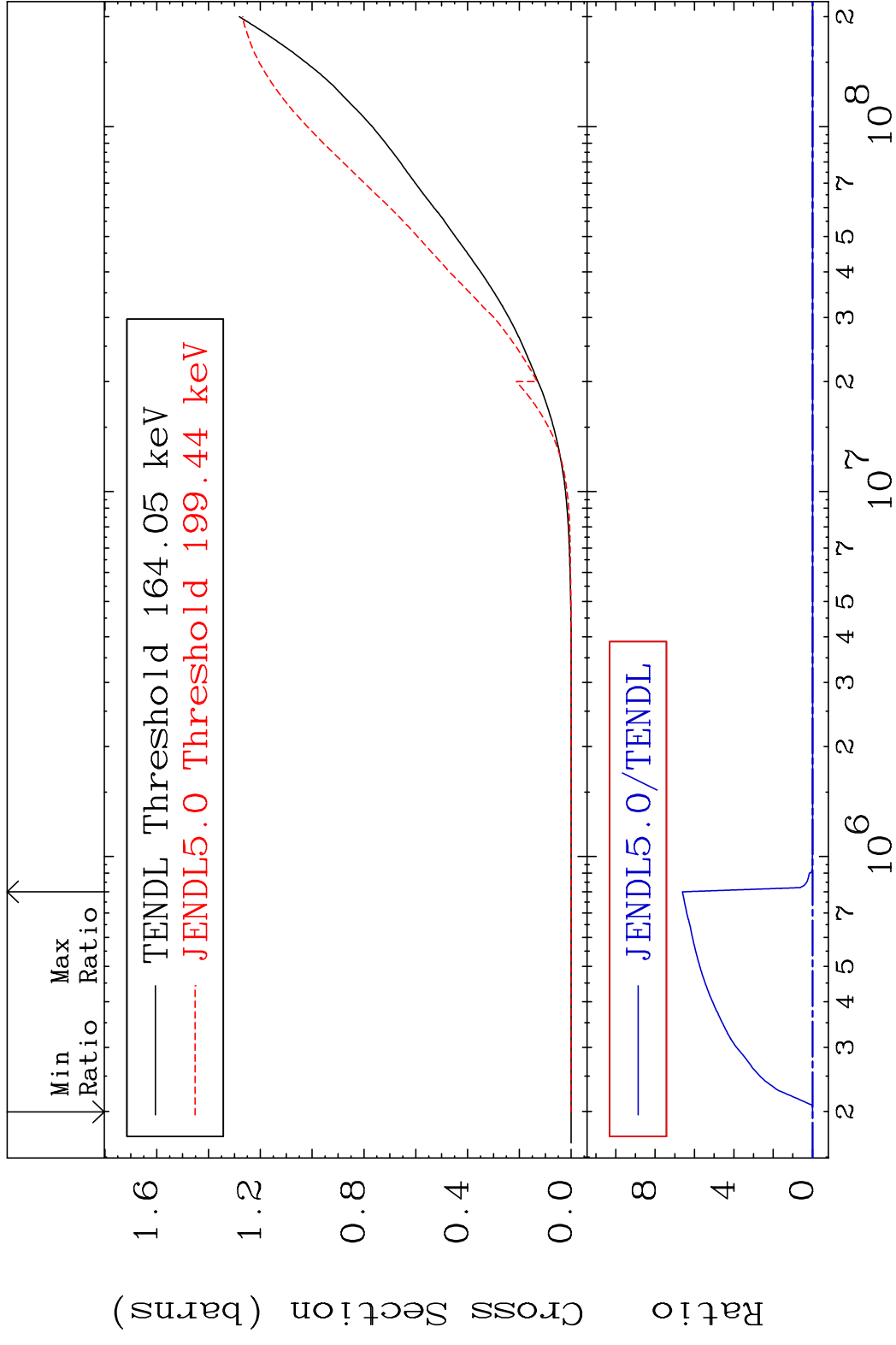


38

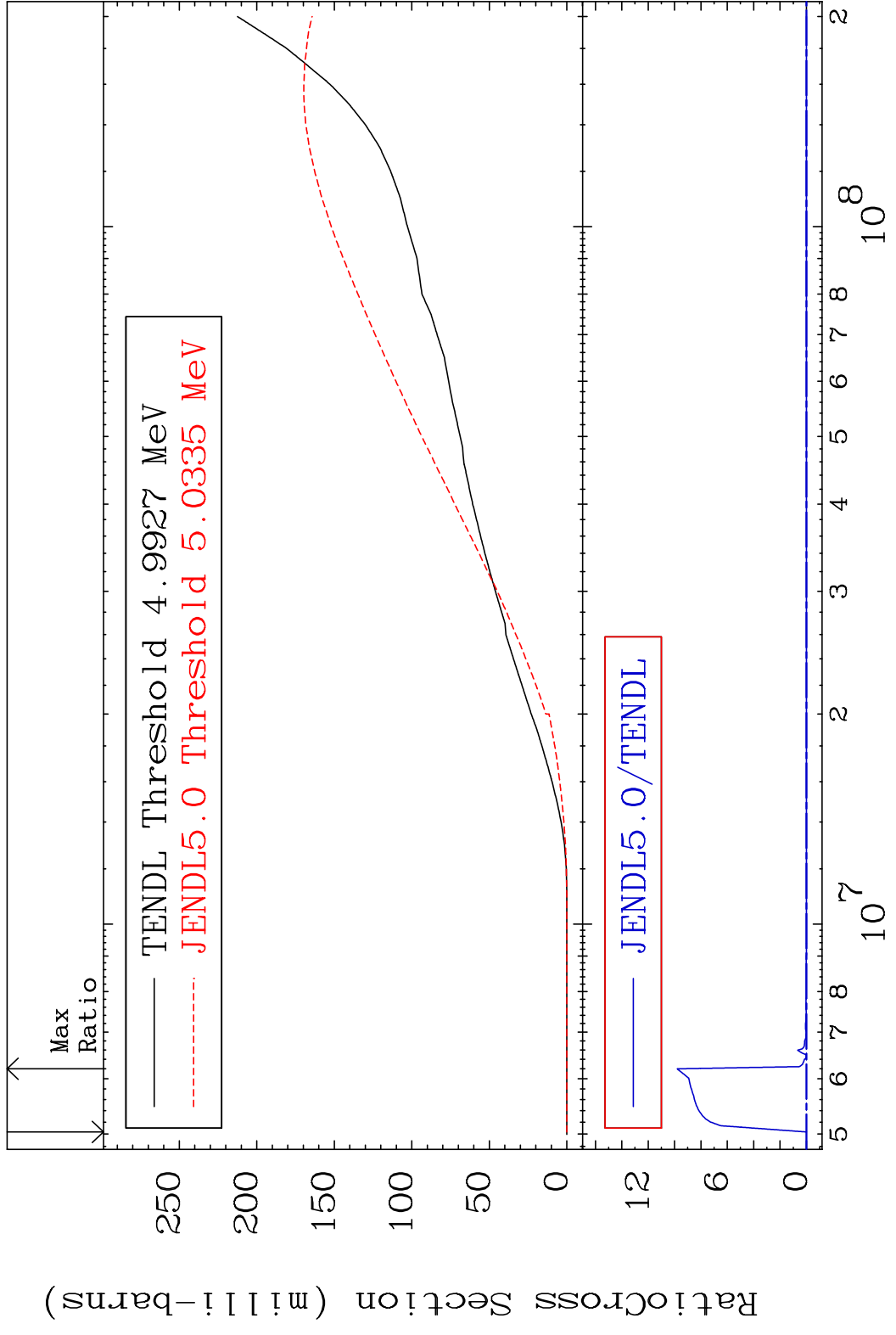
Incident Energy (eV)

52-Te-120

MAT 5225 Hydrogen Production 52-Te-120
 Cross Section -100.0 To 9999. %

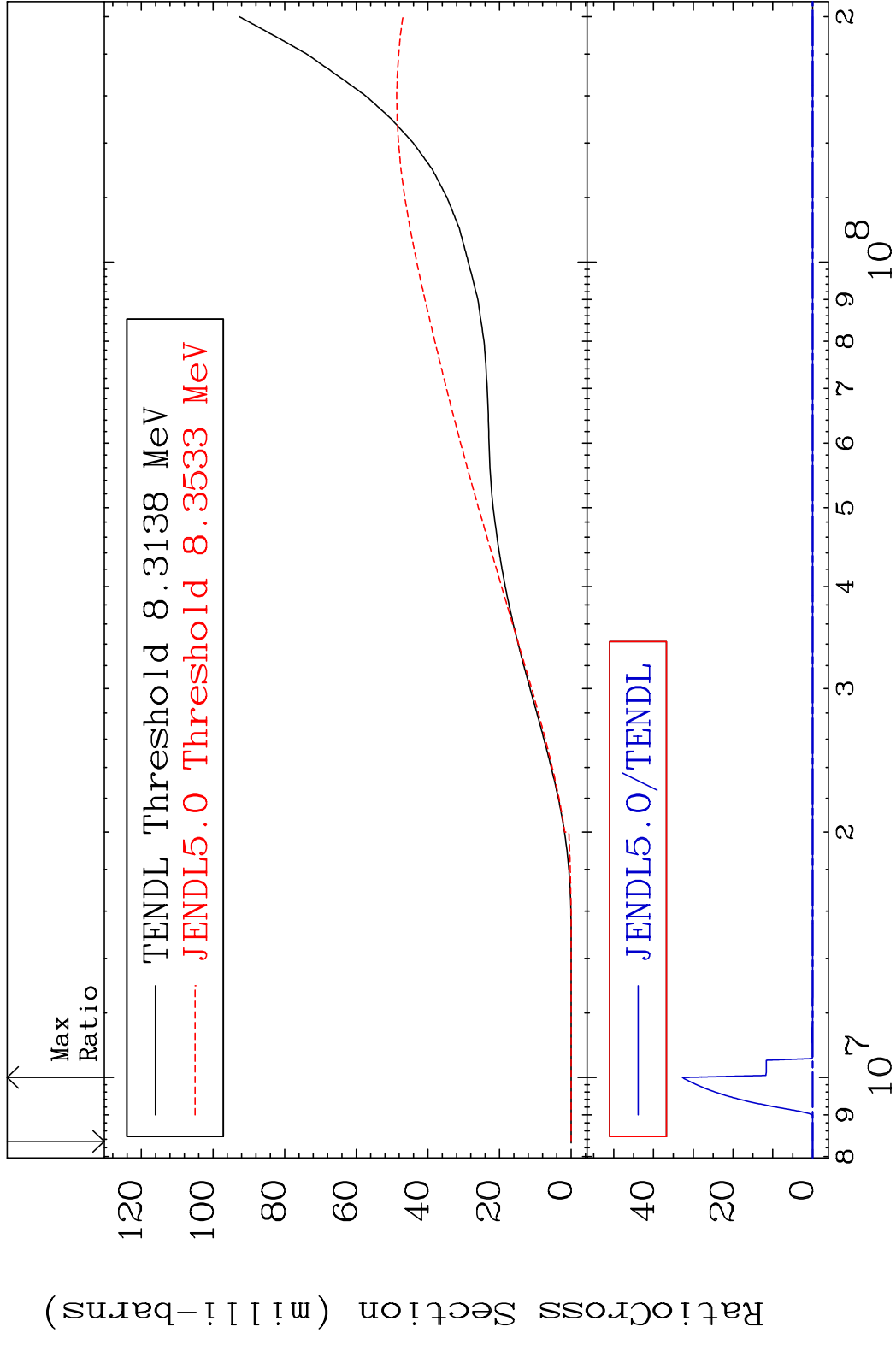


MAT 5225 Deuterium Production 52-Te-120
 Cross Section -100.0 To 9999. %

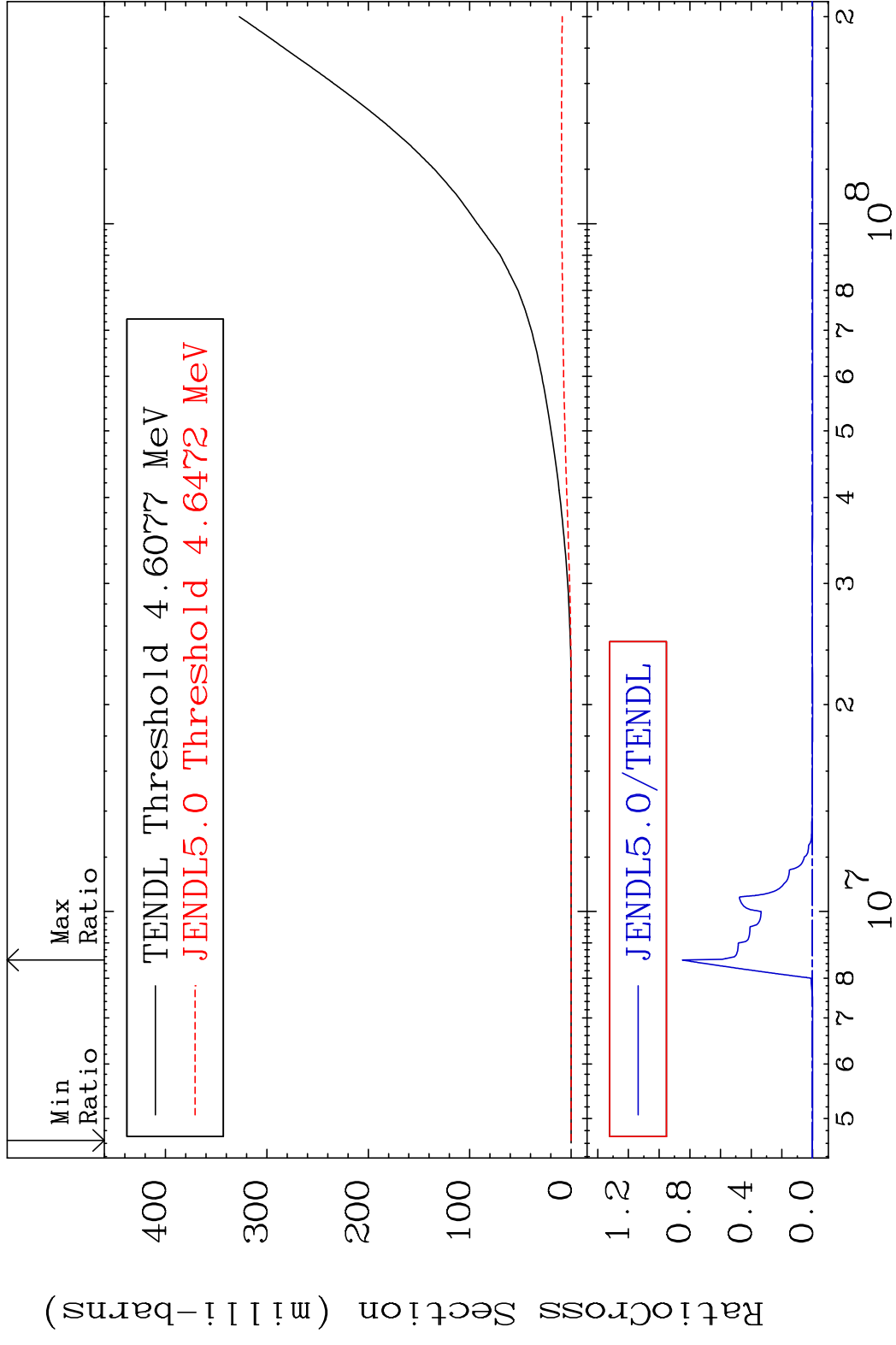


40 52-Te-120

MAT 5225 Tritium Production 52-Te-120
 Cross Section -100.0 To 9999. %



MAT 5225 He-3 Production 52-Te-120
 Cross Section -100.0 To 9999. %

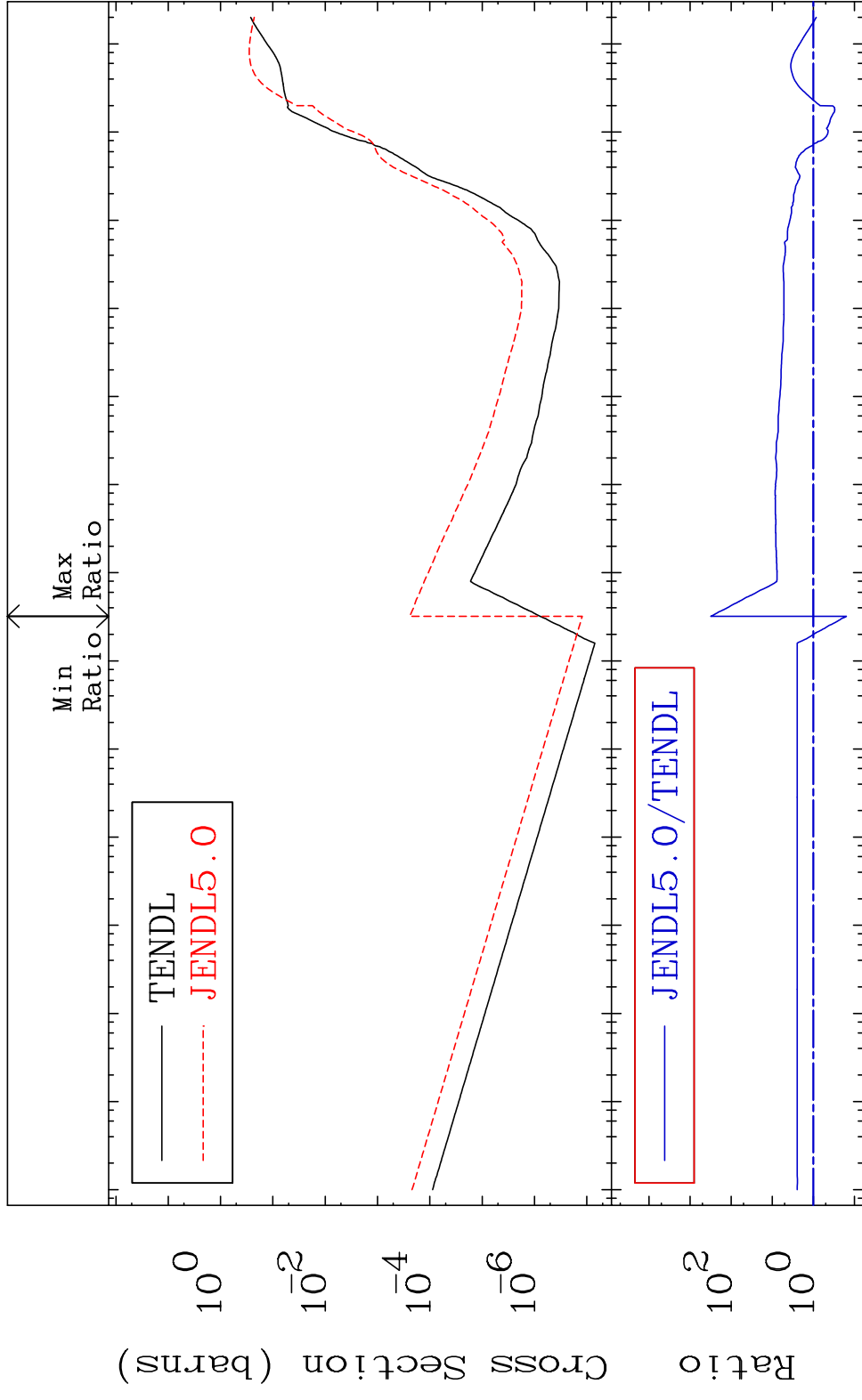


MAT 5225

He-4 Production

52-Te-120

Cross Section -84.24 To 9999. %

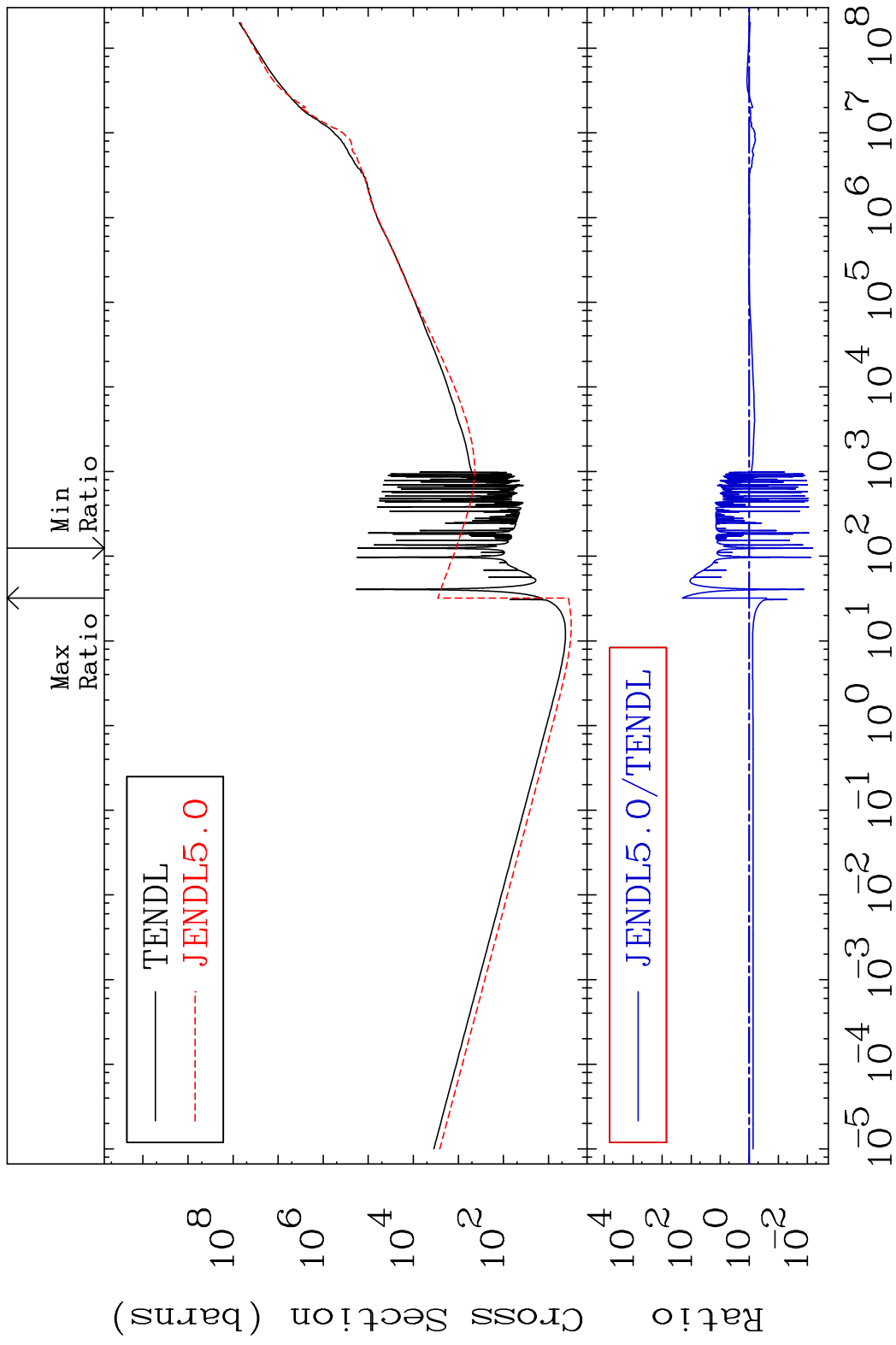


43

Incident Energy (eV)

52-Te-120

MAT 5225 Kerma total (eV-barns) 52-Te-120
 Cross Section -99.34 To 9999. %

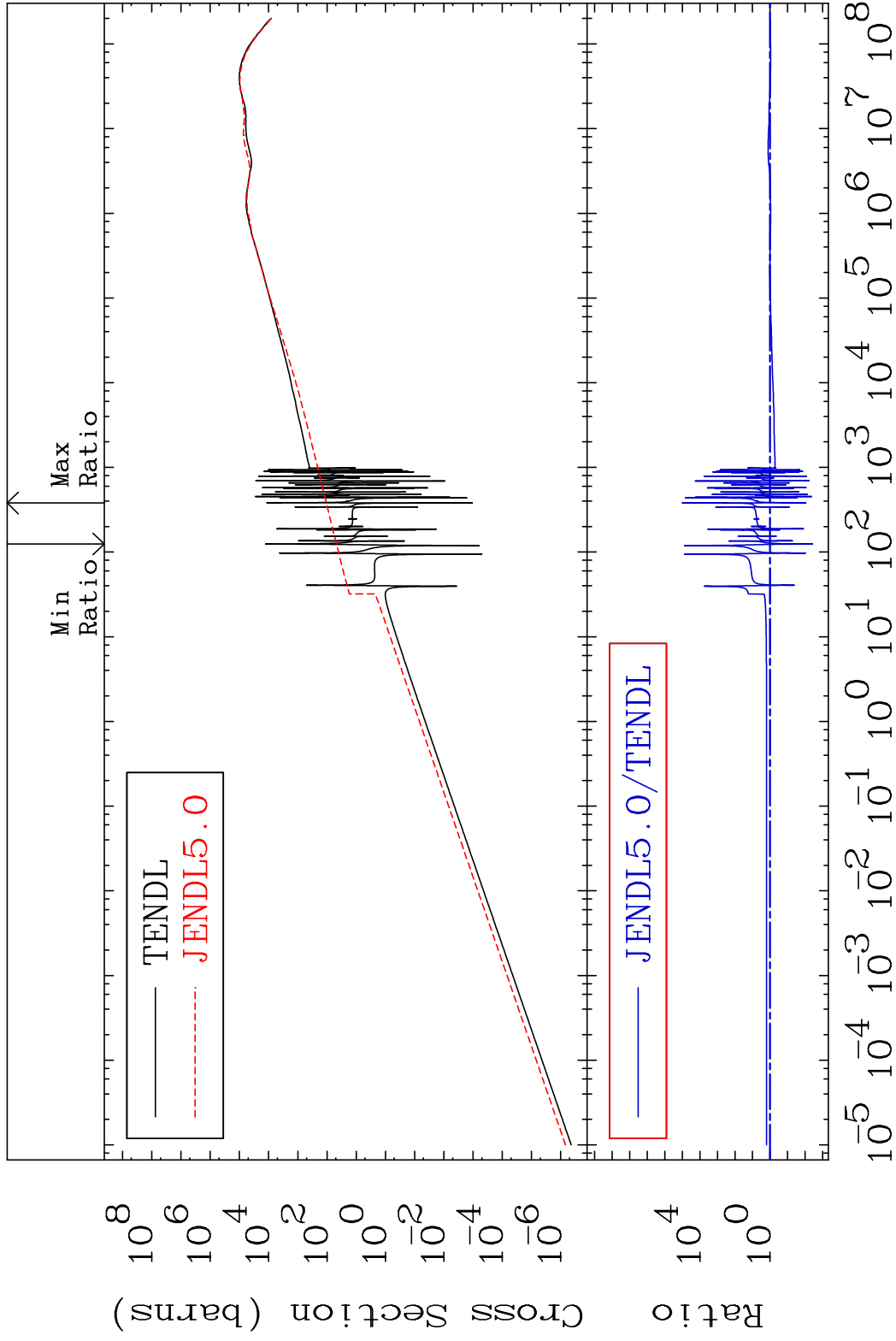


MAT 5225

Kerma elastic

52-Te-120

Cross Section -99.62 To 9999. %

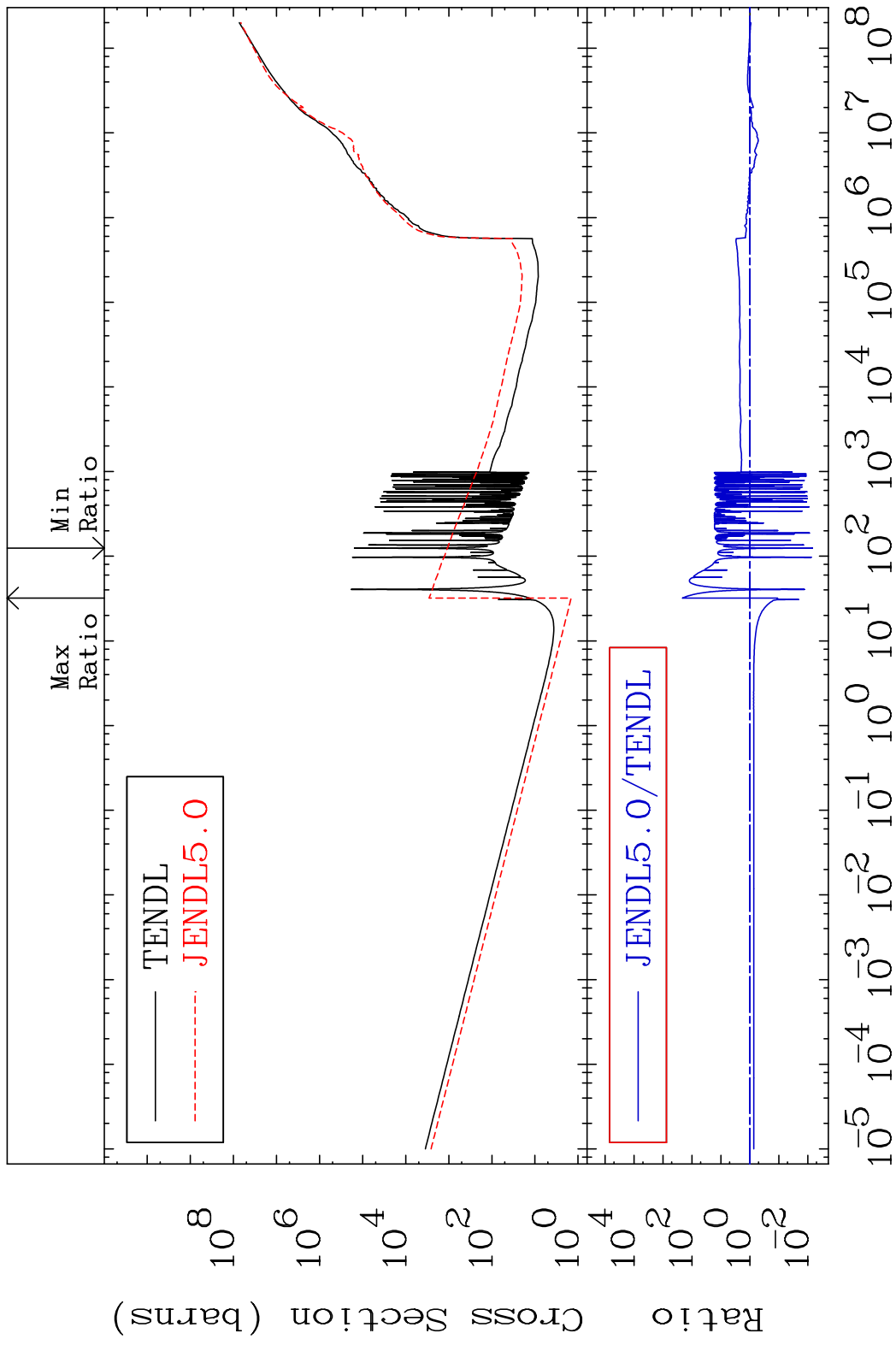


45

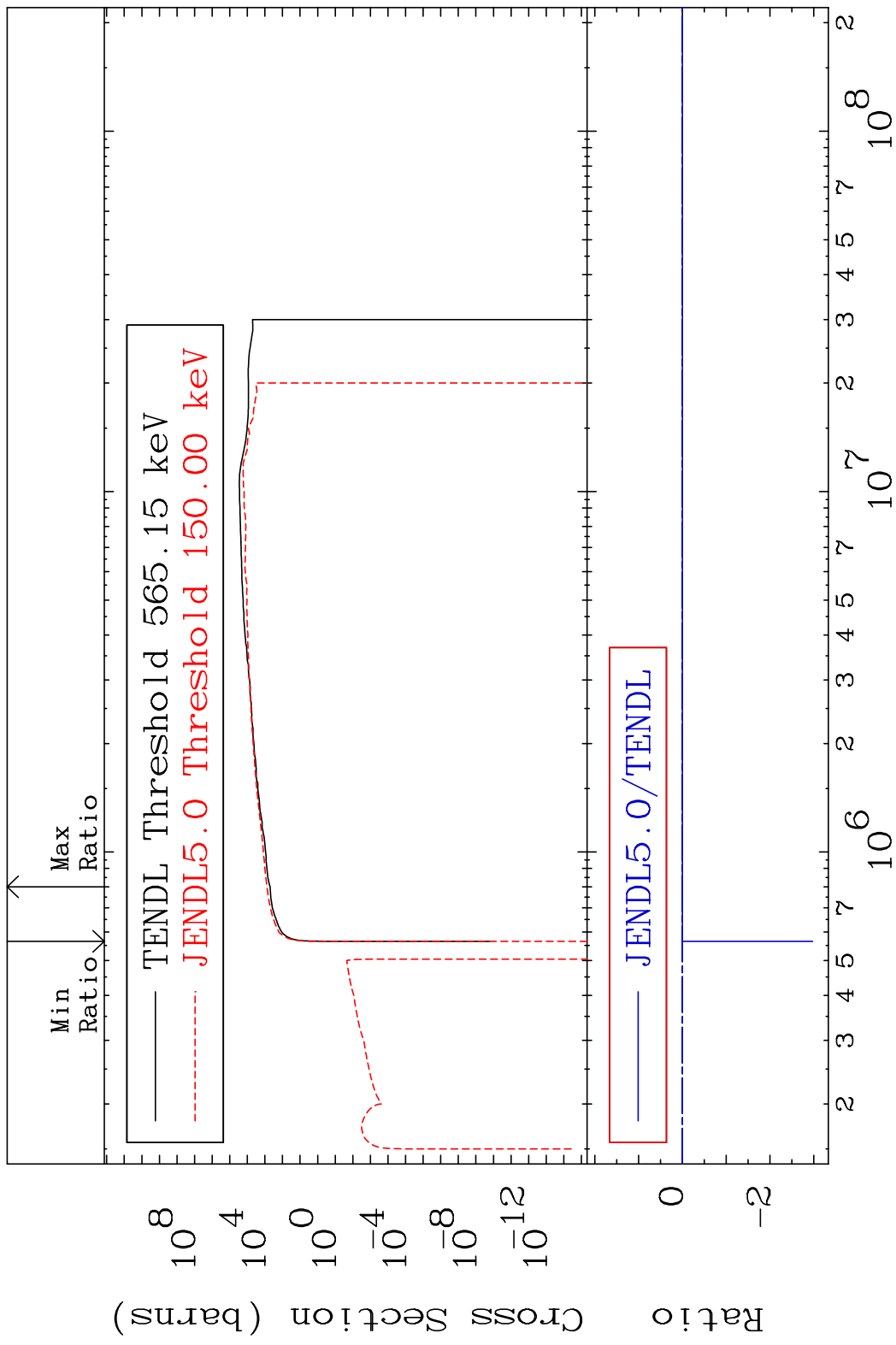
Incident Energy (eV)

52-Te-120

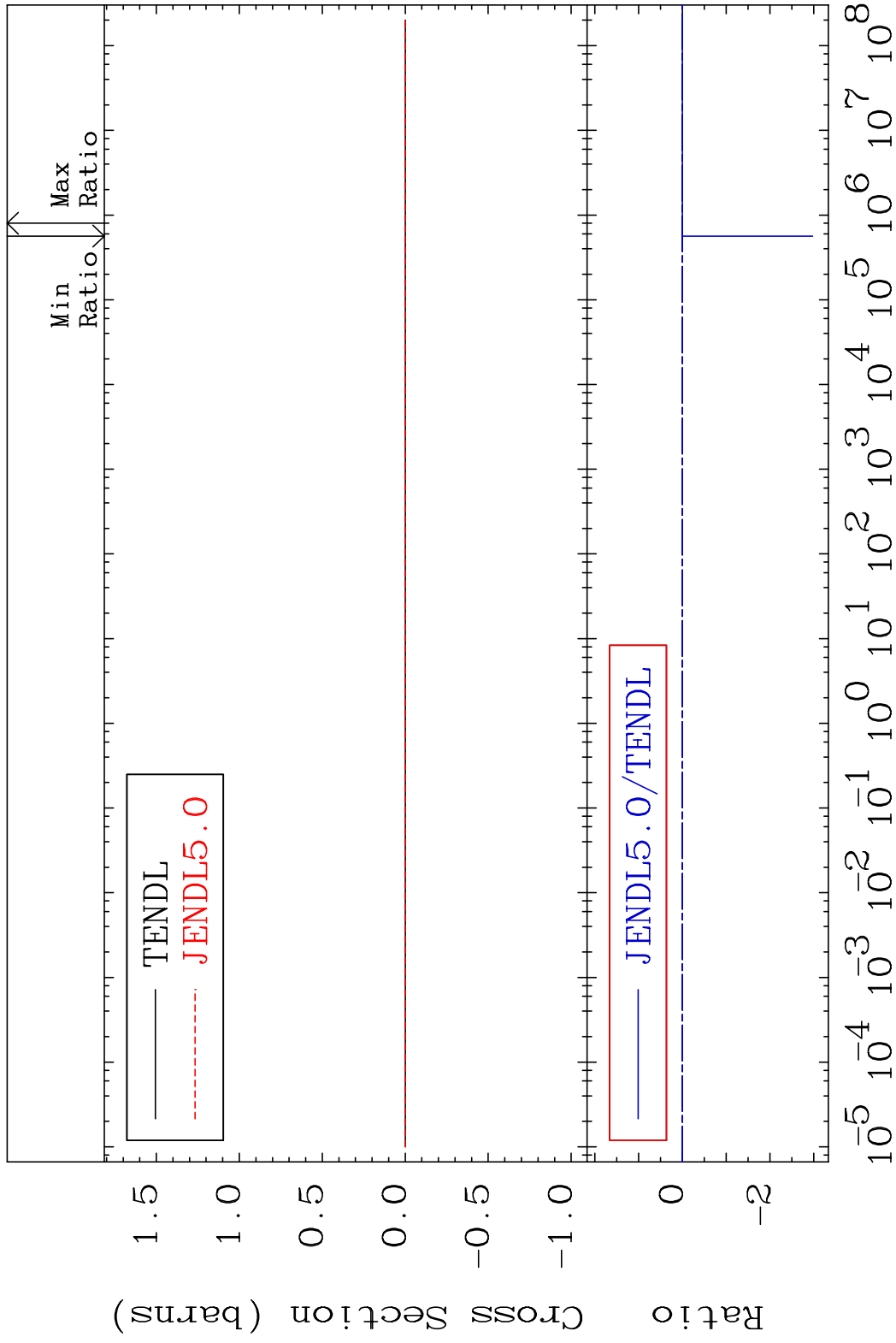
MAT 5225 Kerma non-elastic (all but mt2) 52-Te-120
 Cross Section -99.32 To 9999. %



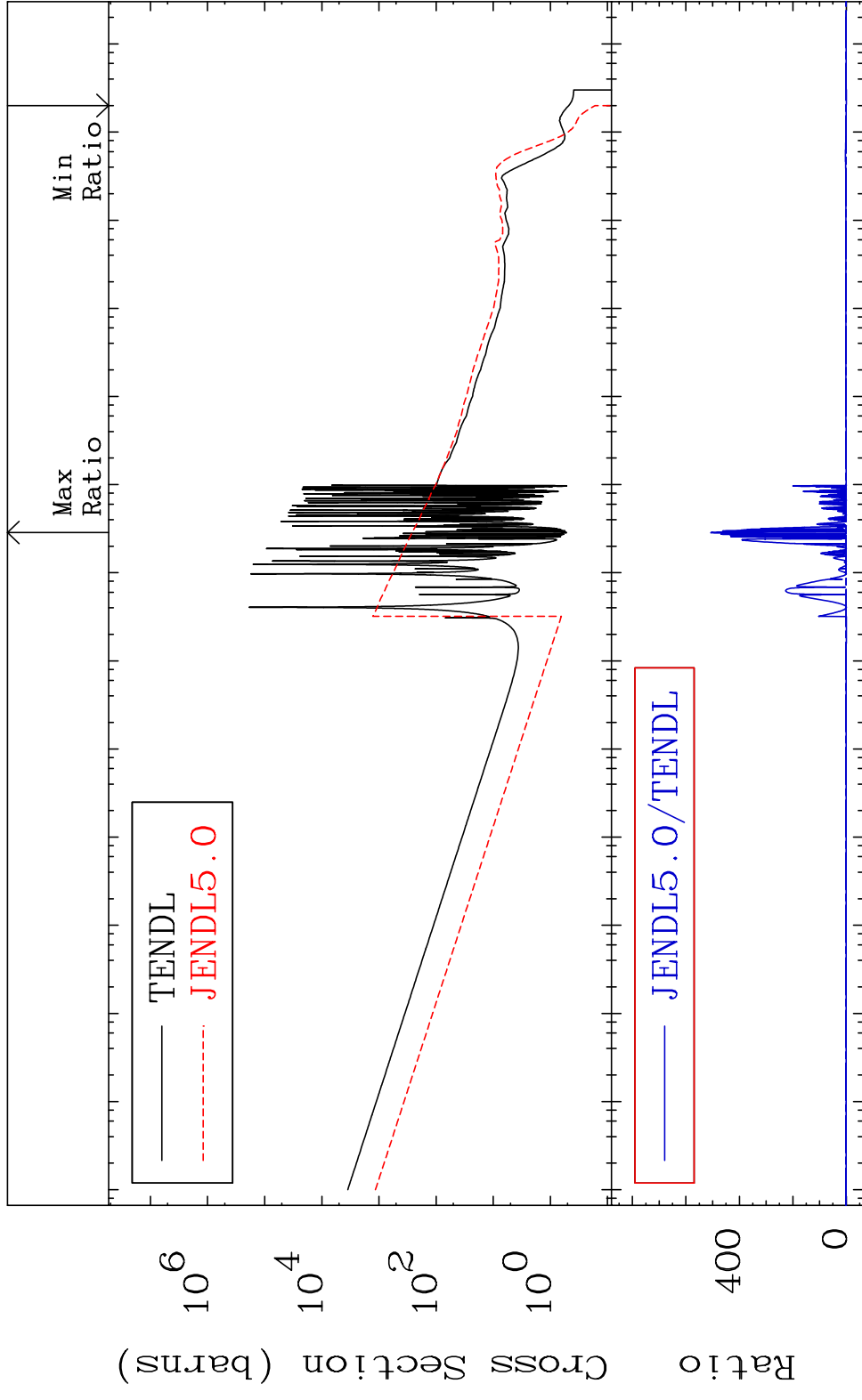
MAT 5225 Kerma inelastic (mt51-91) 52-Te-120
 Cross Section -9999. To 51.05 %



MAT 5225 Kerma fission (mt18 or mt19-20-21-38) 52-Te-120
 Cross Section -9999. To 51.05 %

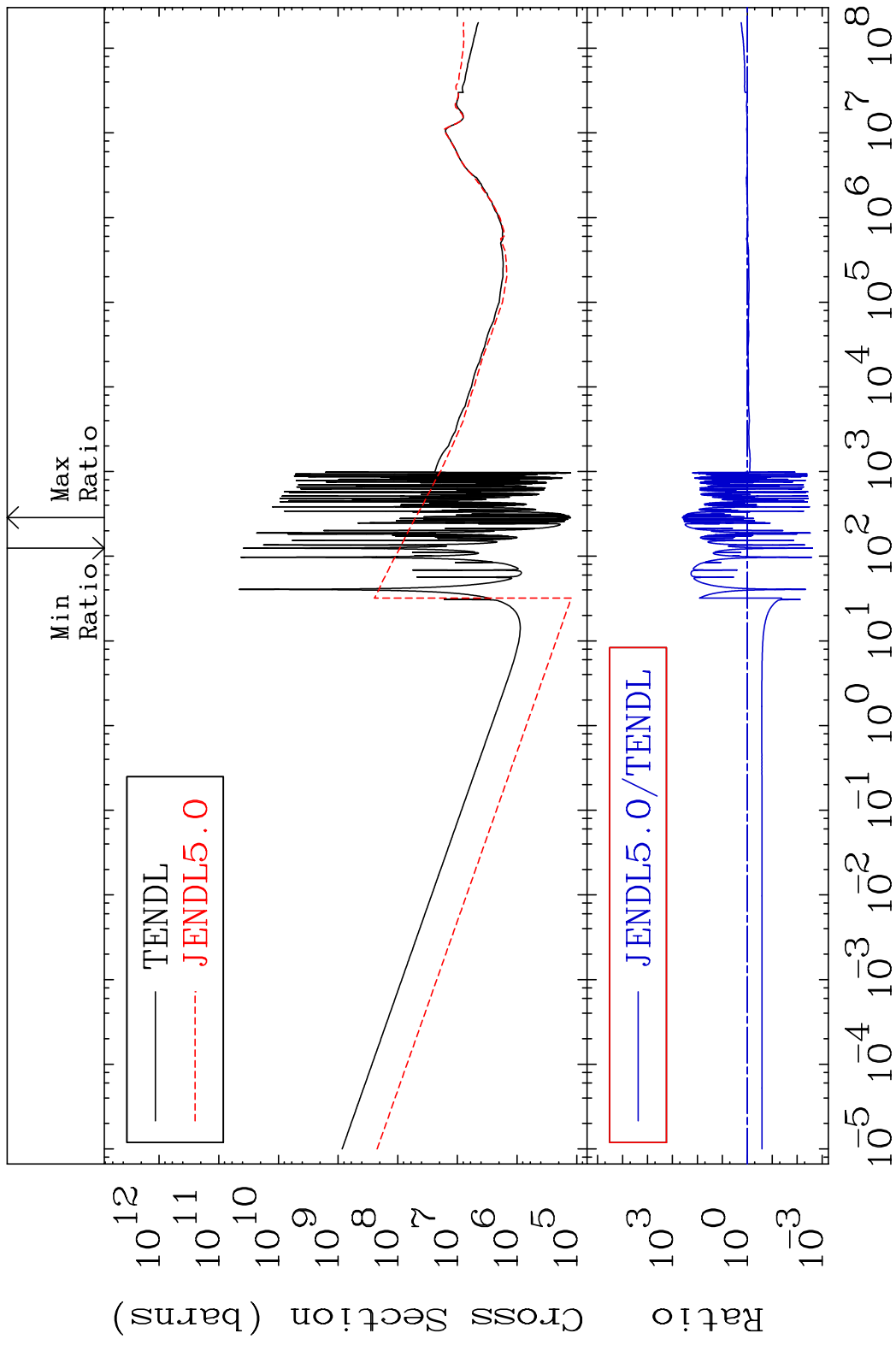


MAT 5225 Kerma capture (mt102) 52-Te-120
 Cross Section -100.0 To 9999. %



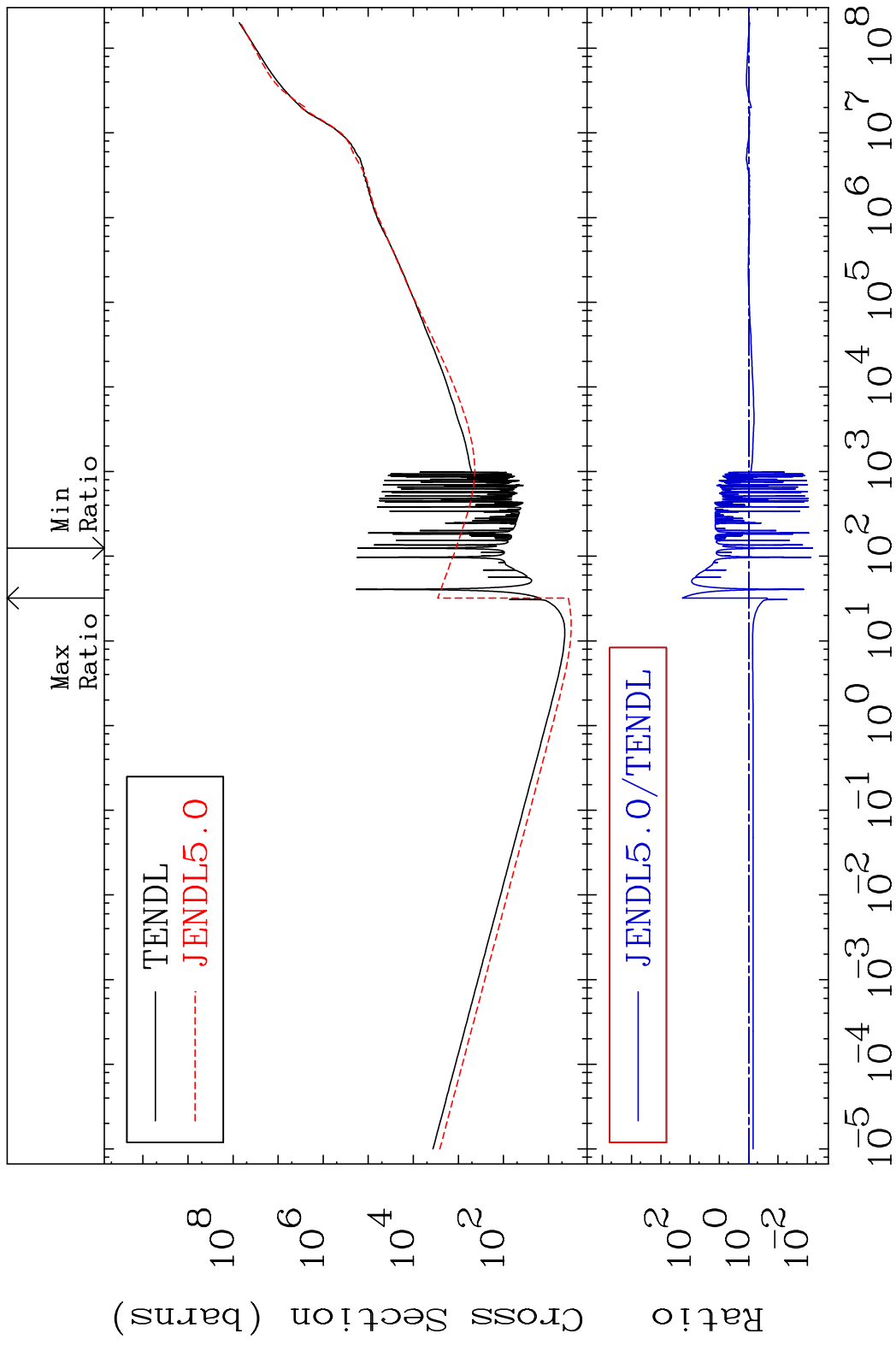
49 Incident Energy (eV) 52-Te-120

MAT 5225 Total photon (eV-barns) 52-Te-120
 Cross Section -99.76 To 9999. %

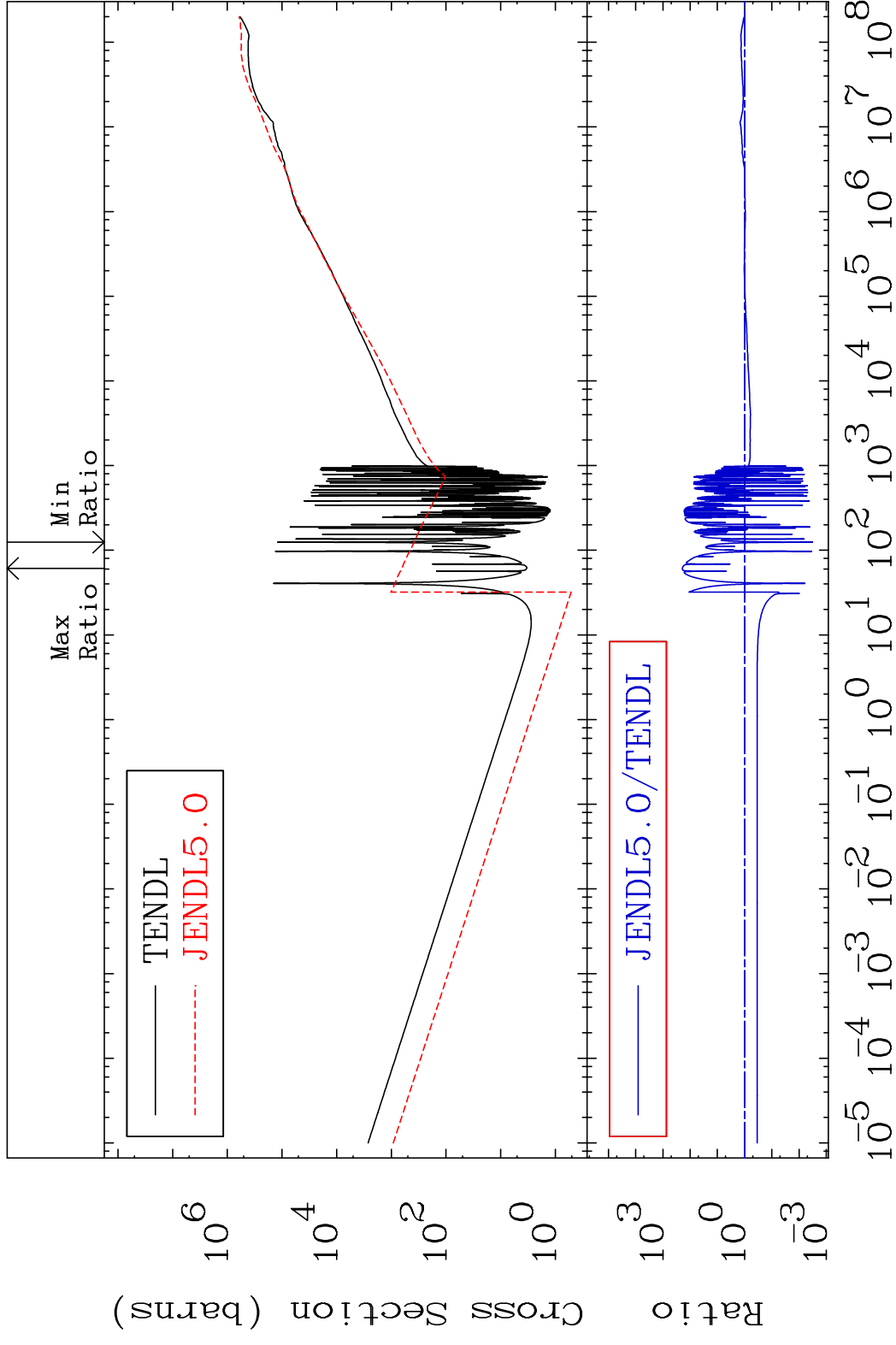


50 Incident Energy (eV) 52-Te-120

MAT 5225 Total kinematic kerma (high limit) 52-Te-120
 Cross Section -99.34 To 9999. %



MAT 5225 Dpa total (eV-barns) 52-Te-120
 Cross Section -99.68 To 9999. %



52 Incident Energy (eV) 52-Te-120

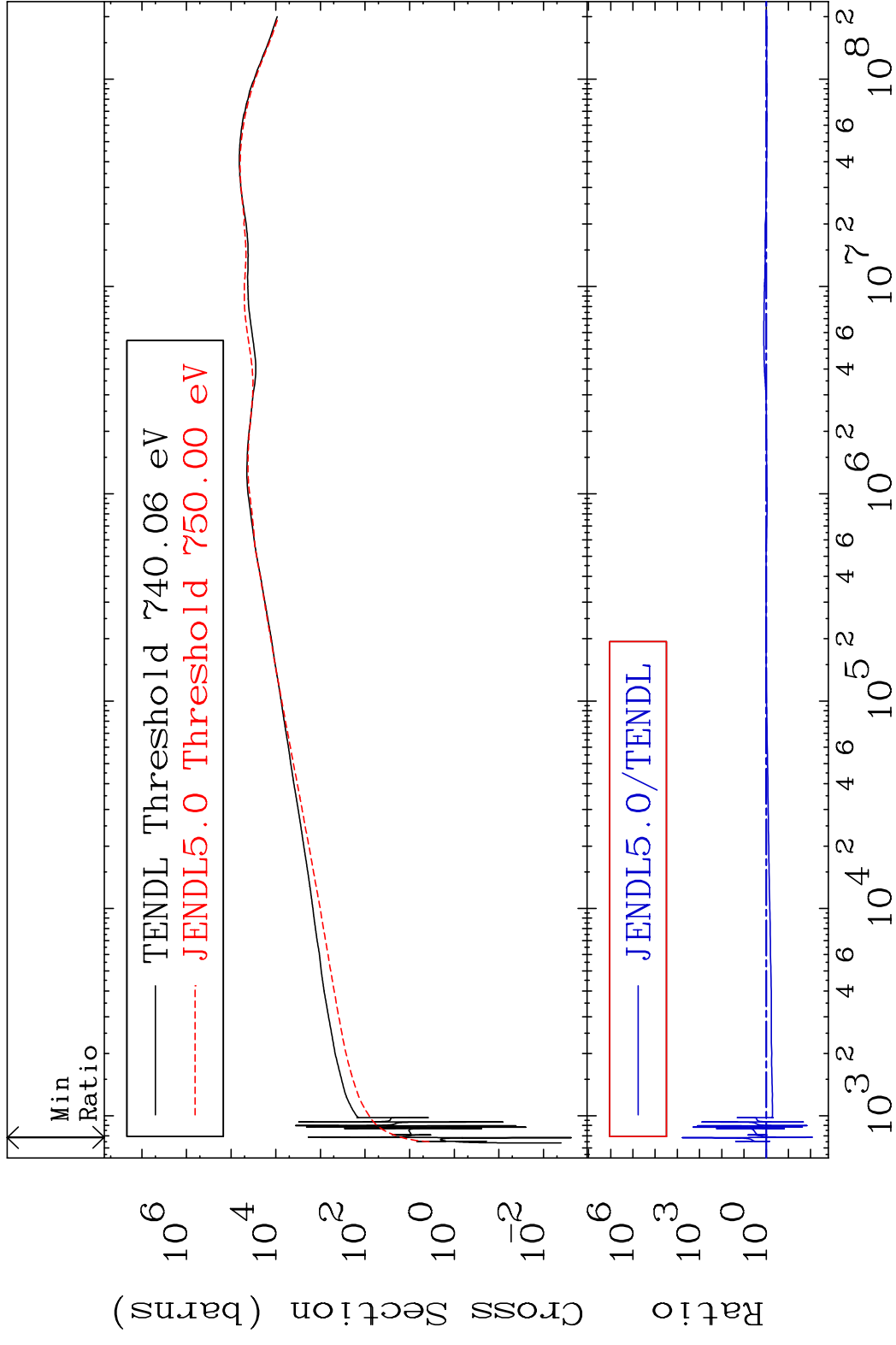
MAT 5225

Dpa elastic (mt2)

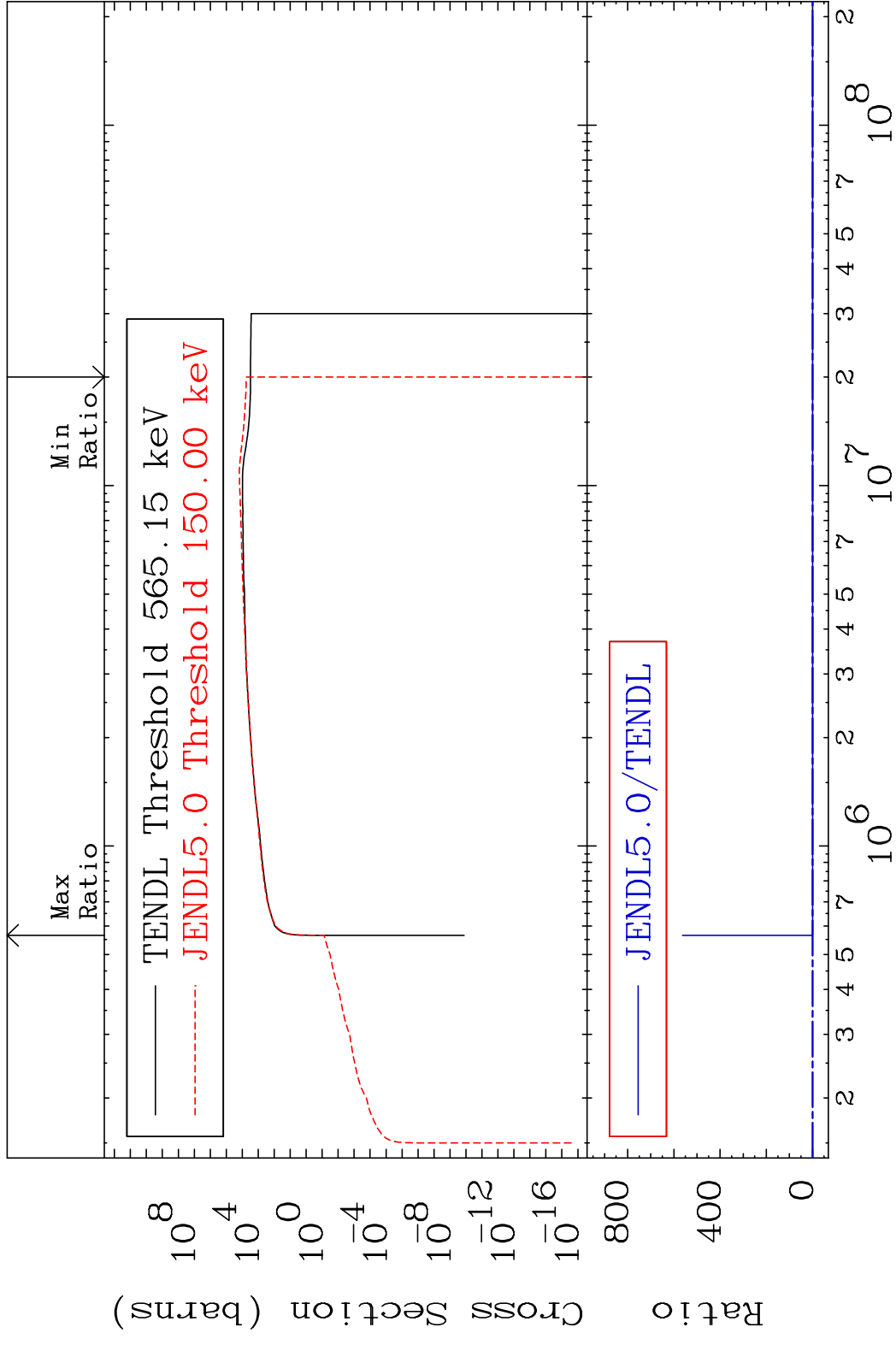
52-Te-120

Cross Section

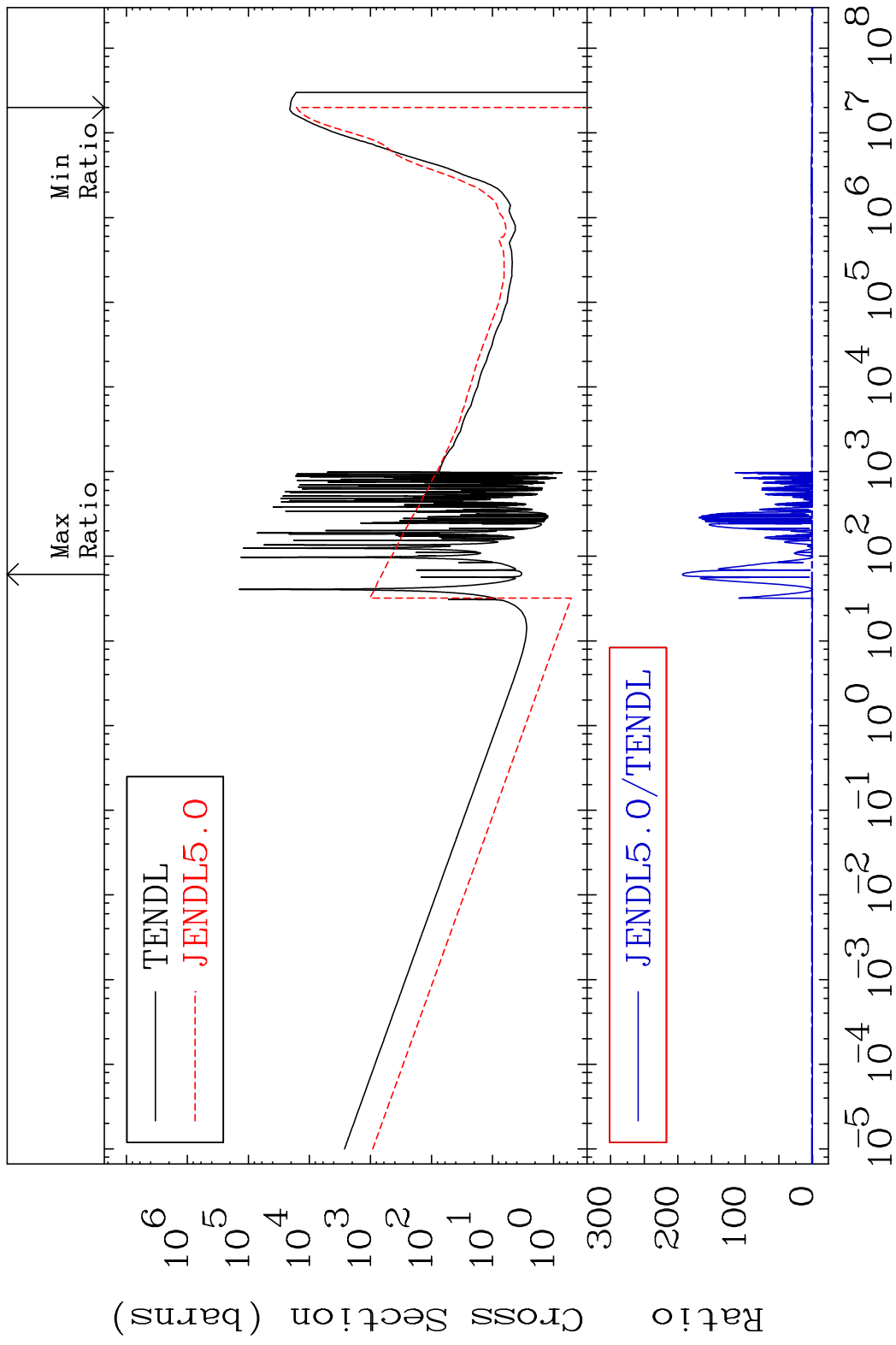
-99.18 To 9999. %



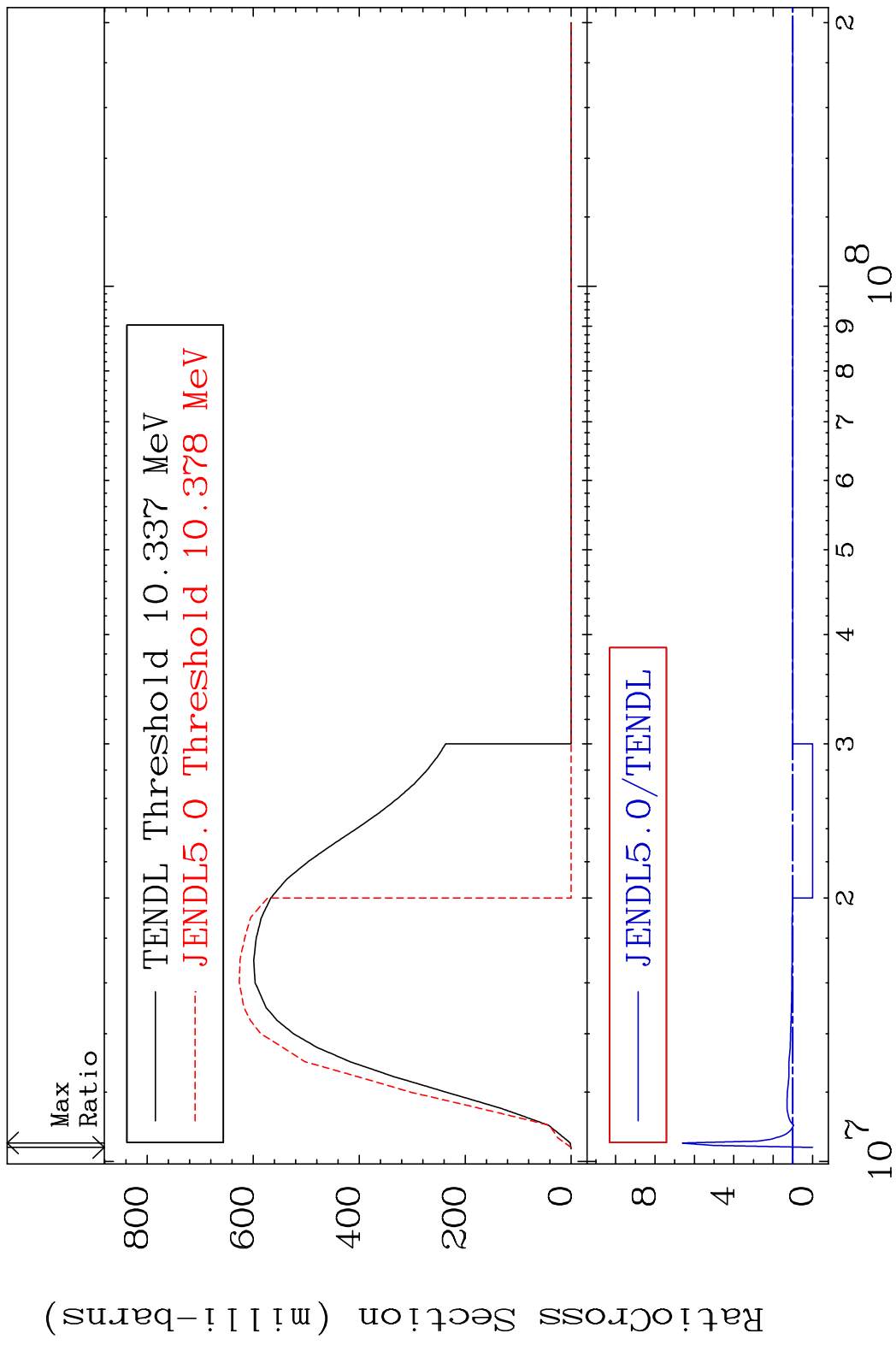
MAT 5225 Dpa inelastic (mt51-91) 52-Te-120
 Cross Section -100.0 To 9999. %



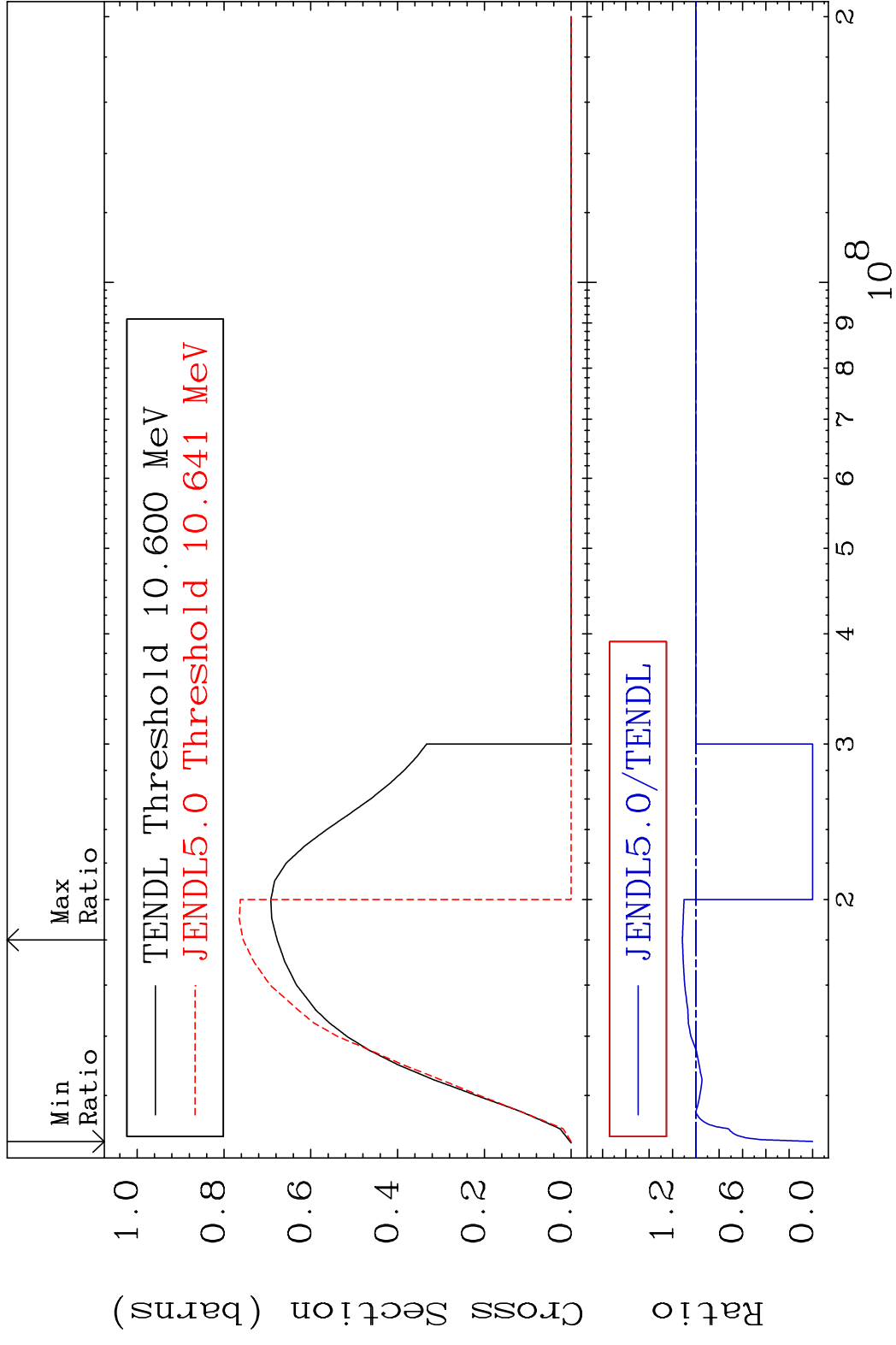
MAT 5225 Dpa disappearance (mt102 -120) 52-Te-120
 Cross Section -100.0 To 9999. %

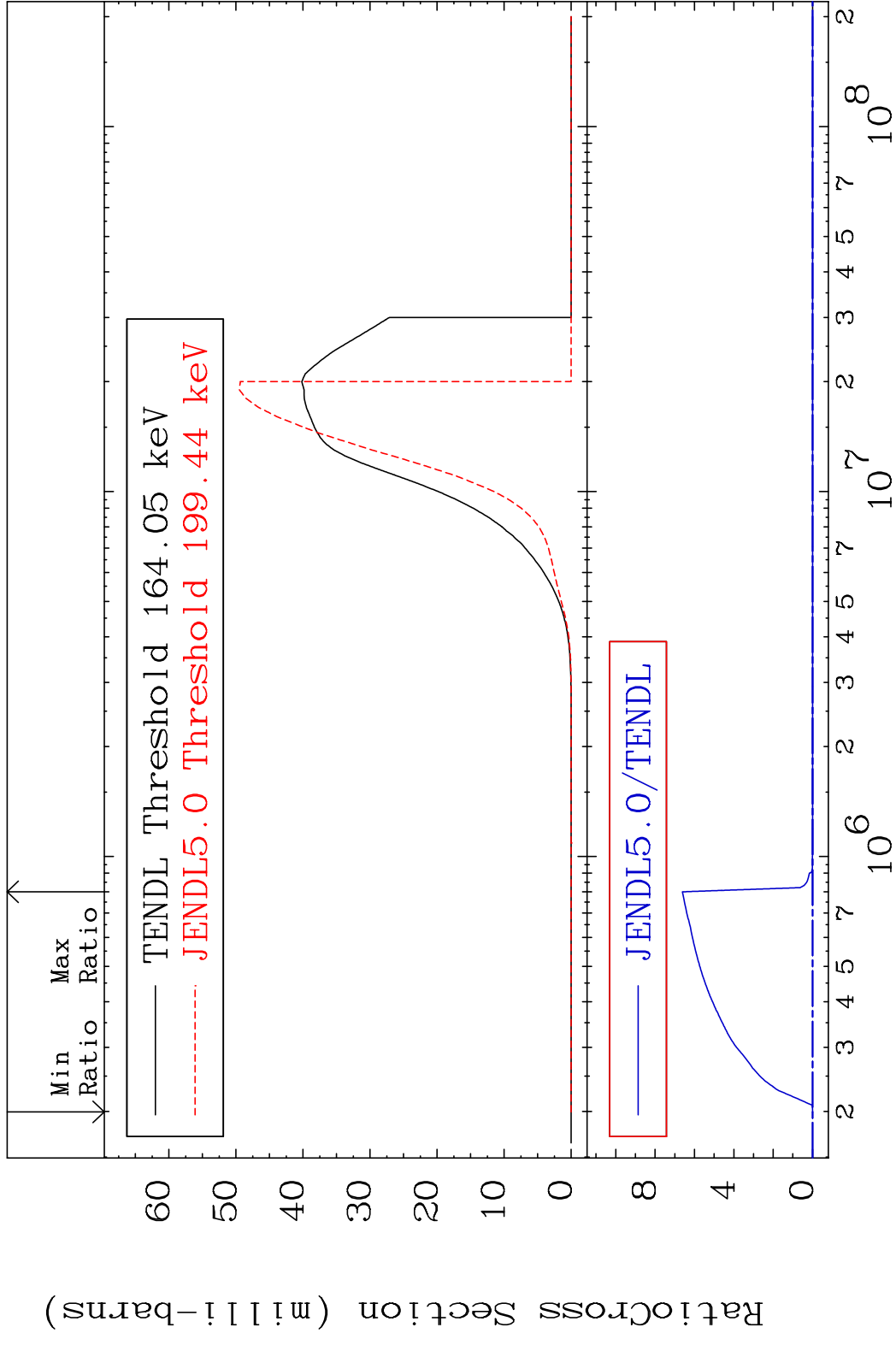


MAT 5225 (n,2n):52-Te-119g 52-Te-120
 Radionuclide Production Cross Section 180.0 dth 561.3 %



MAT 5225 (n,2n):52-Te-119m2 52-Te-120
 Radionuclide Production Cross Section 180.0 mb 11.59 %



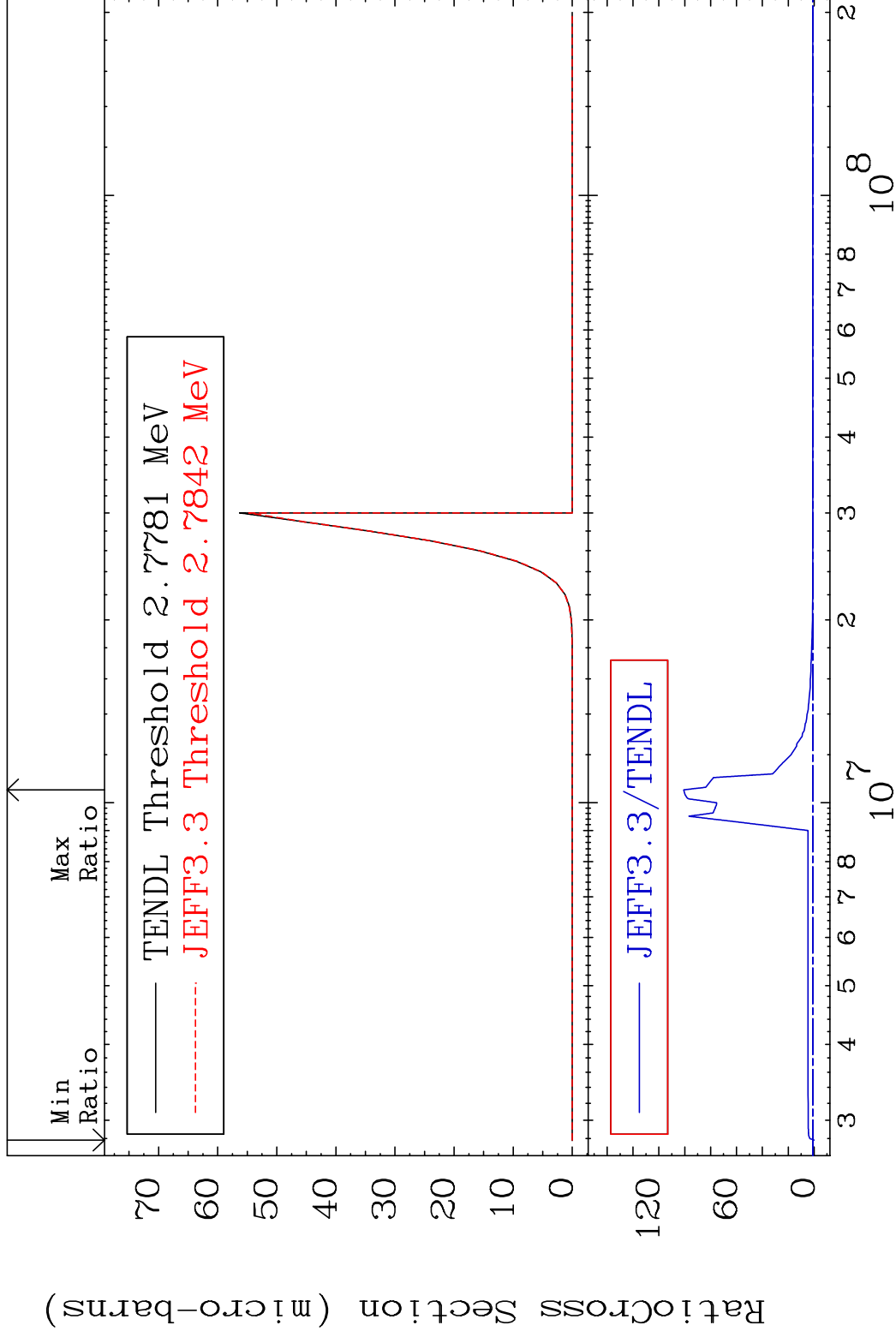


MAT 5225

(n,p) α

52-Te-120

Cross Section -100.0 To 9984. %



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Incident Energy (eV)

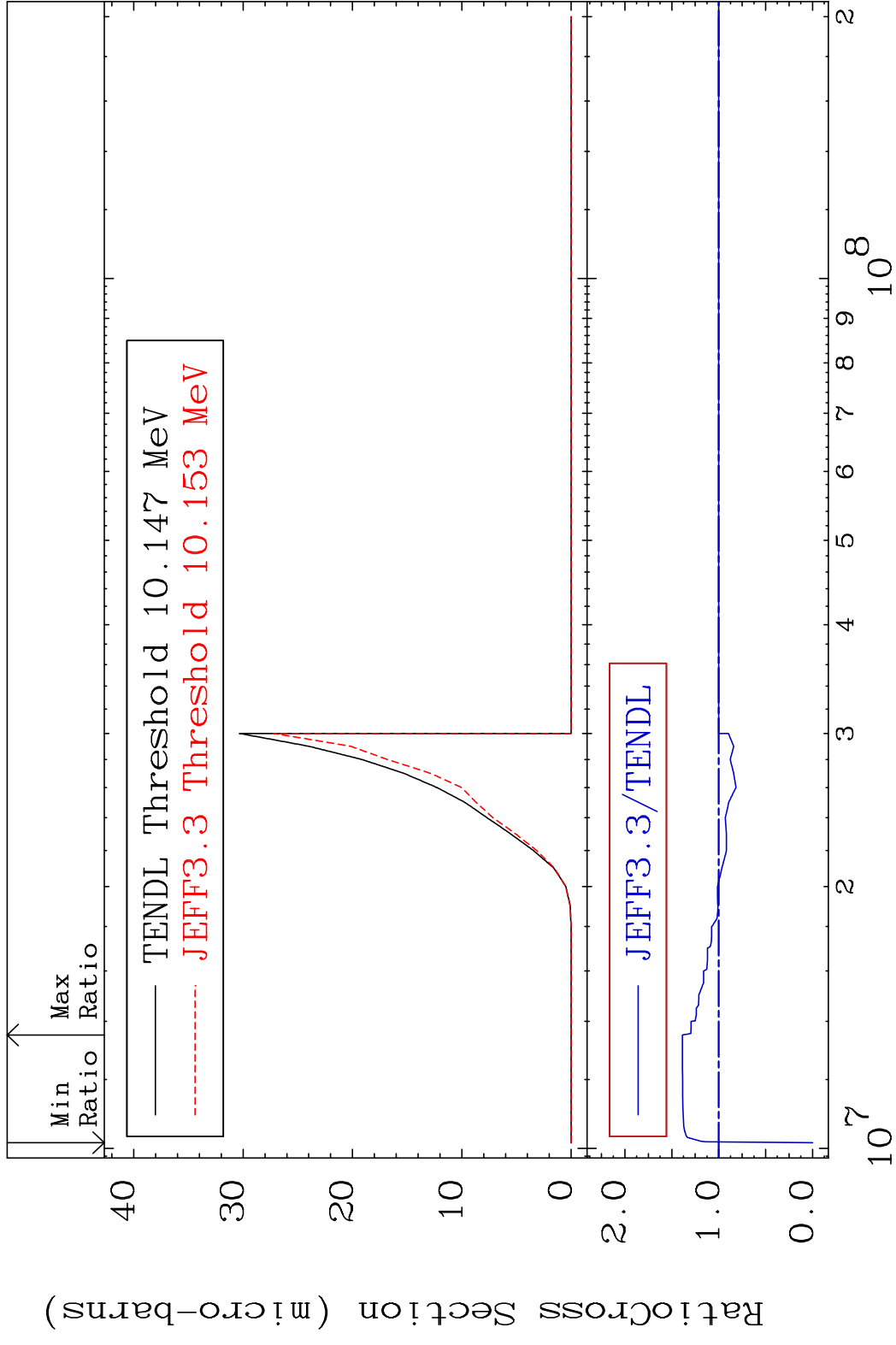
52-Te-120

MAT 5225

(n,p) d

52-Te-120

Cross Section -100.0 To 38.77 %

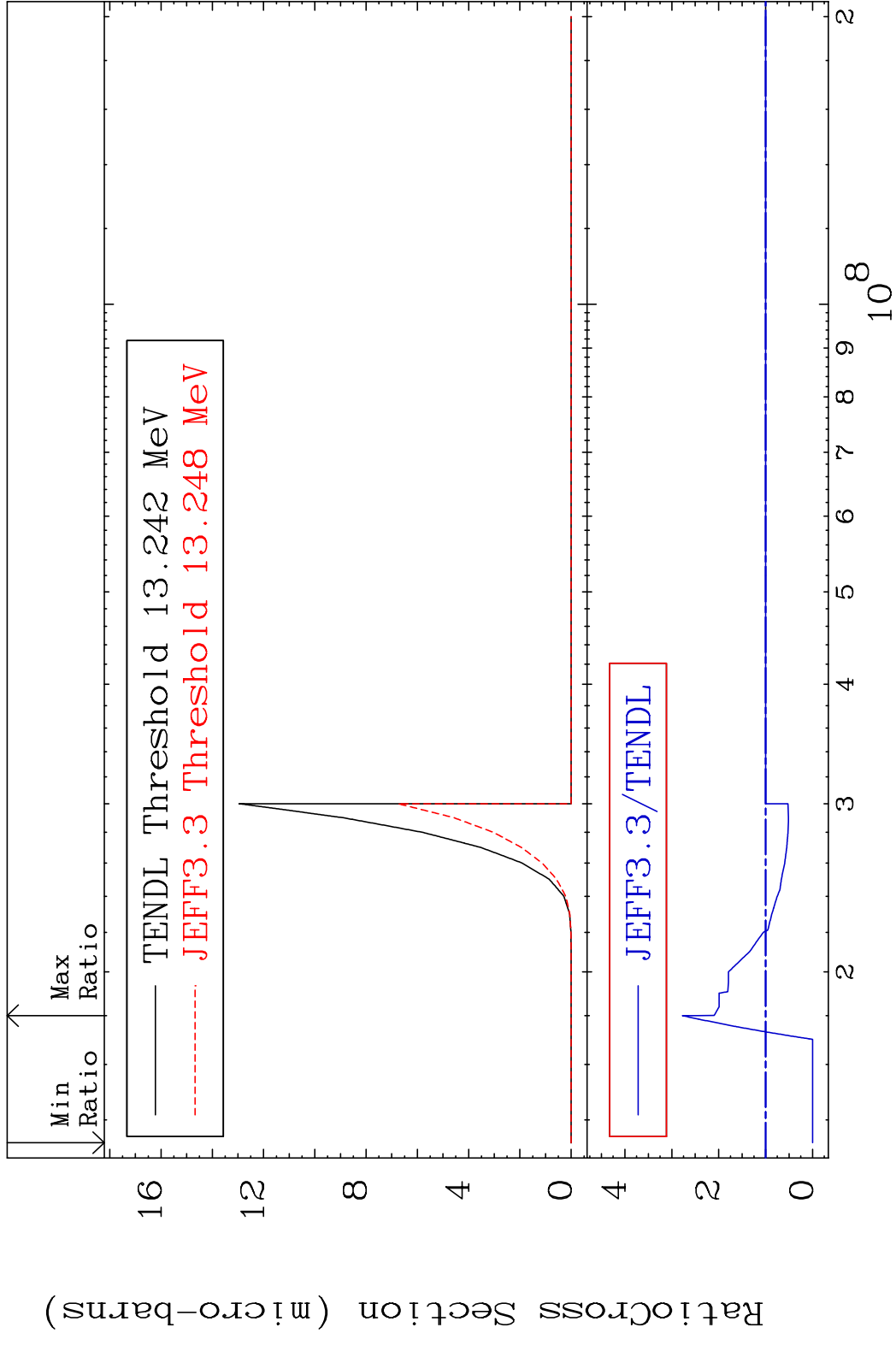


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Incident Energy (eV)

52-Te-120

MAT 5225 (n,p) t 52-Te-120
 Cross Section -100.0 To 177.5 %

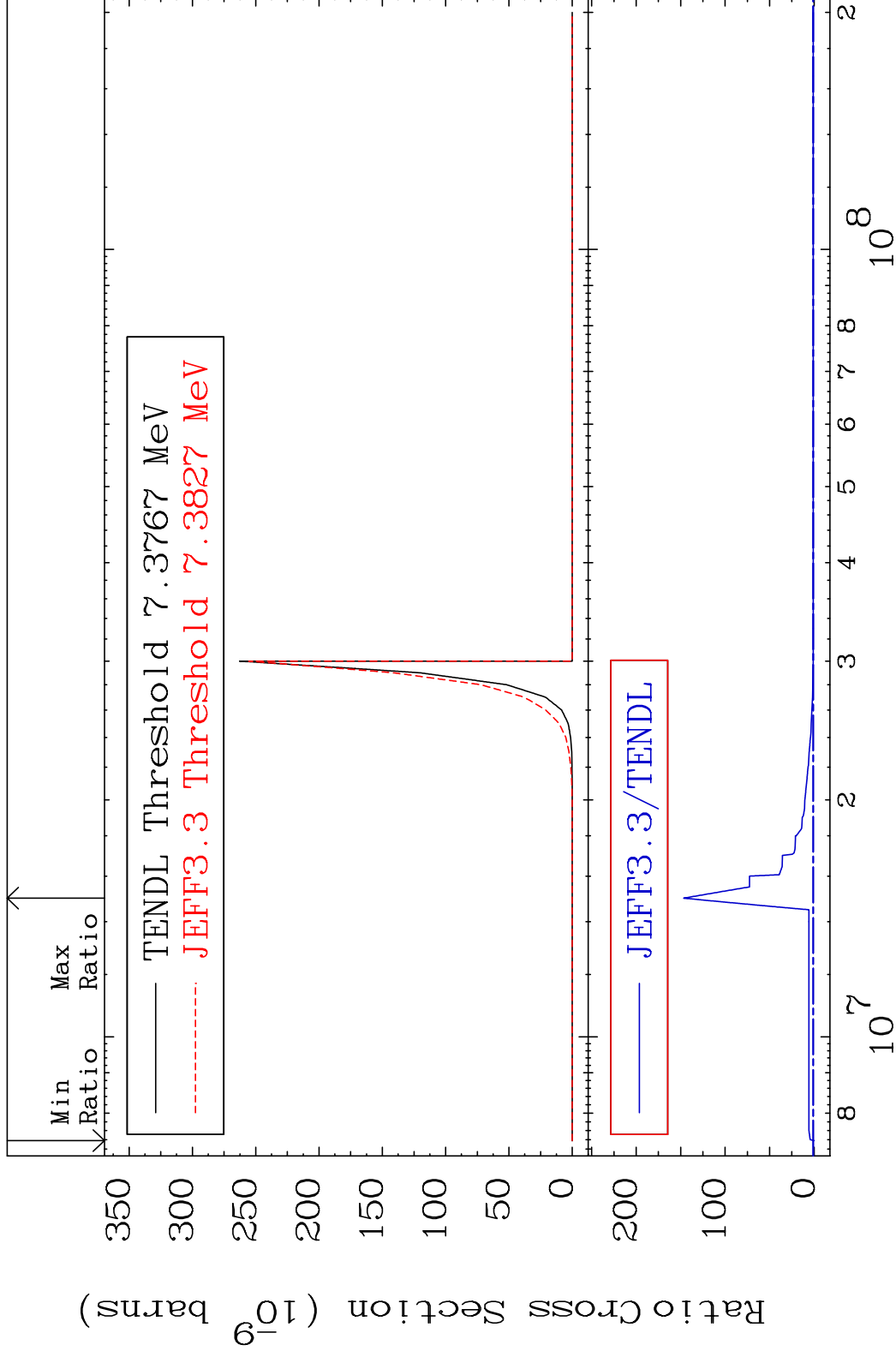


MAT 5225

(n,d) α

52-Te-120

Cross Section -100.0 To 9999. %

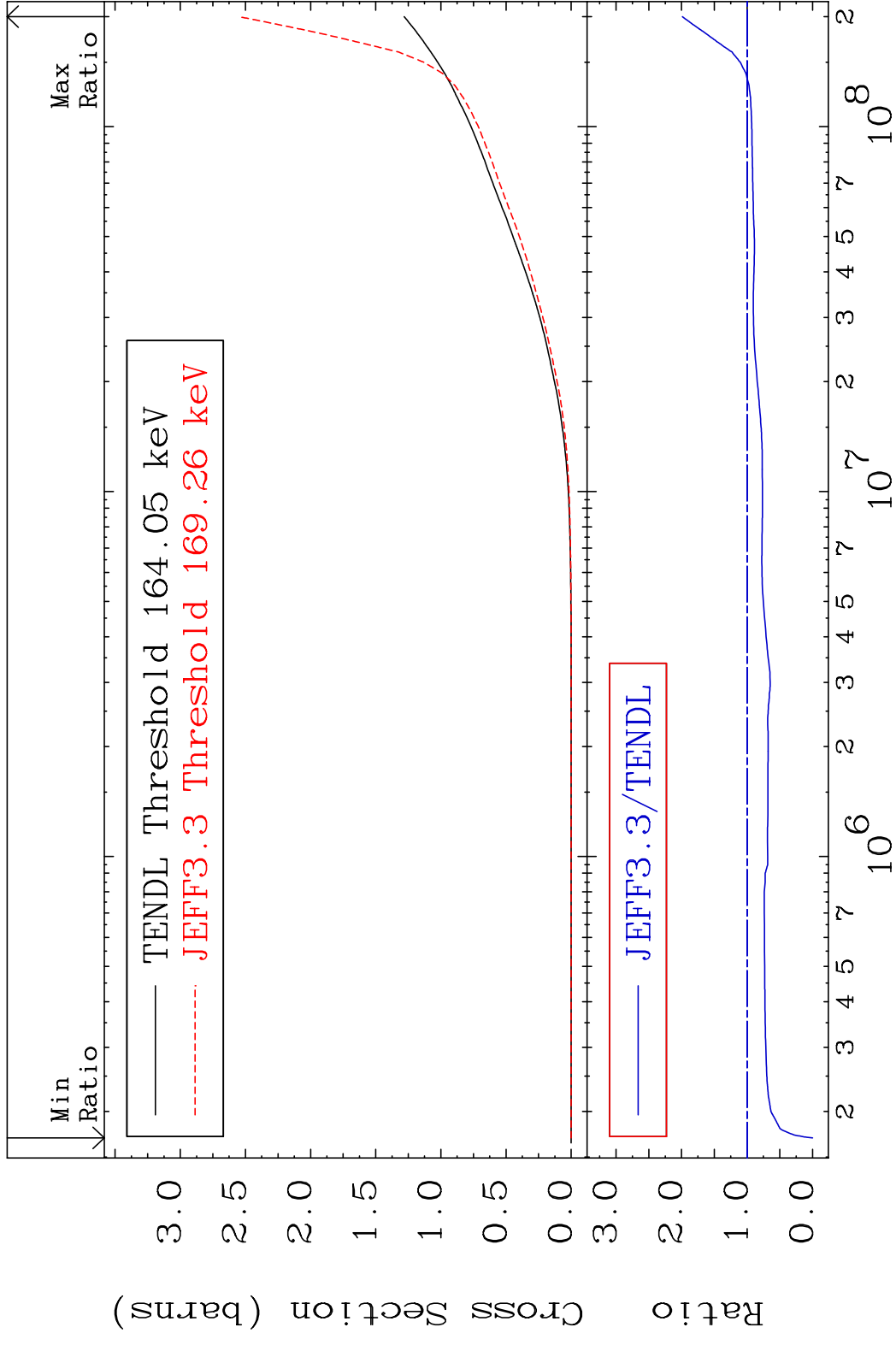


62

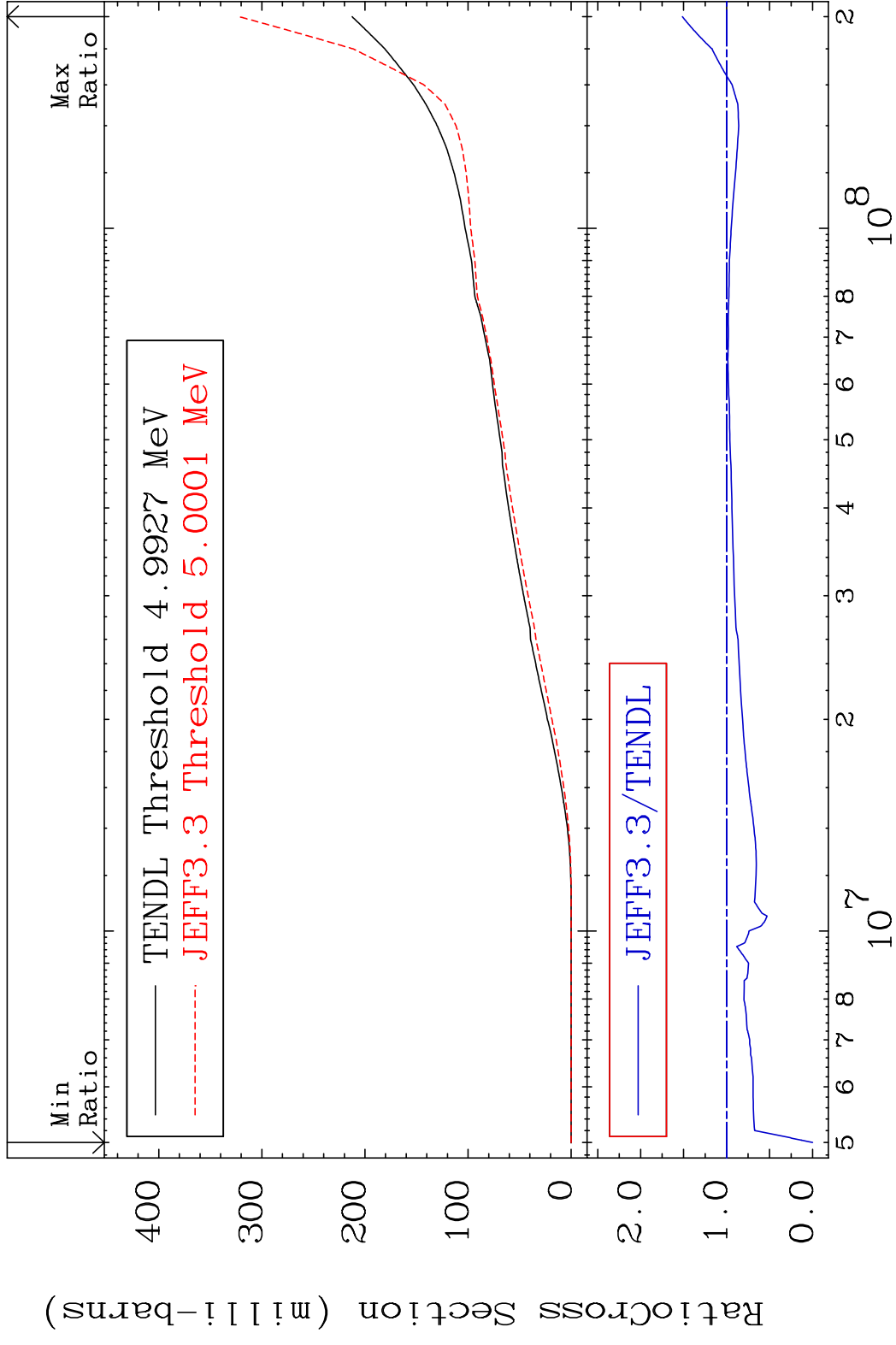
Incident Energy (eV)

52-Te-120

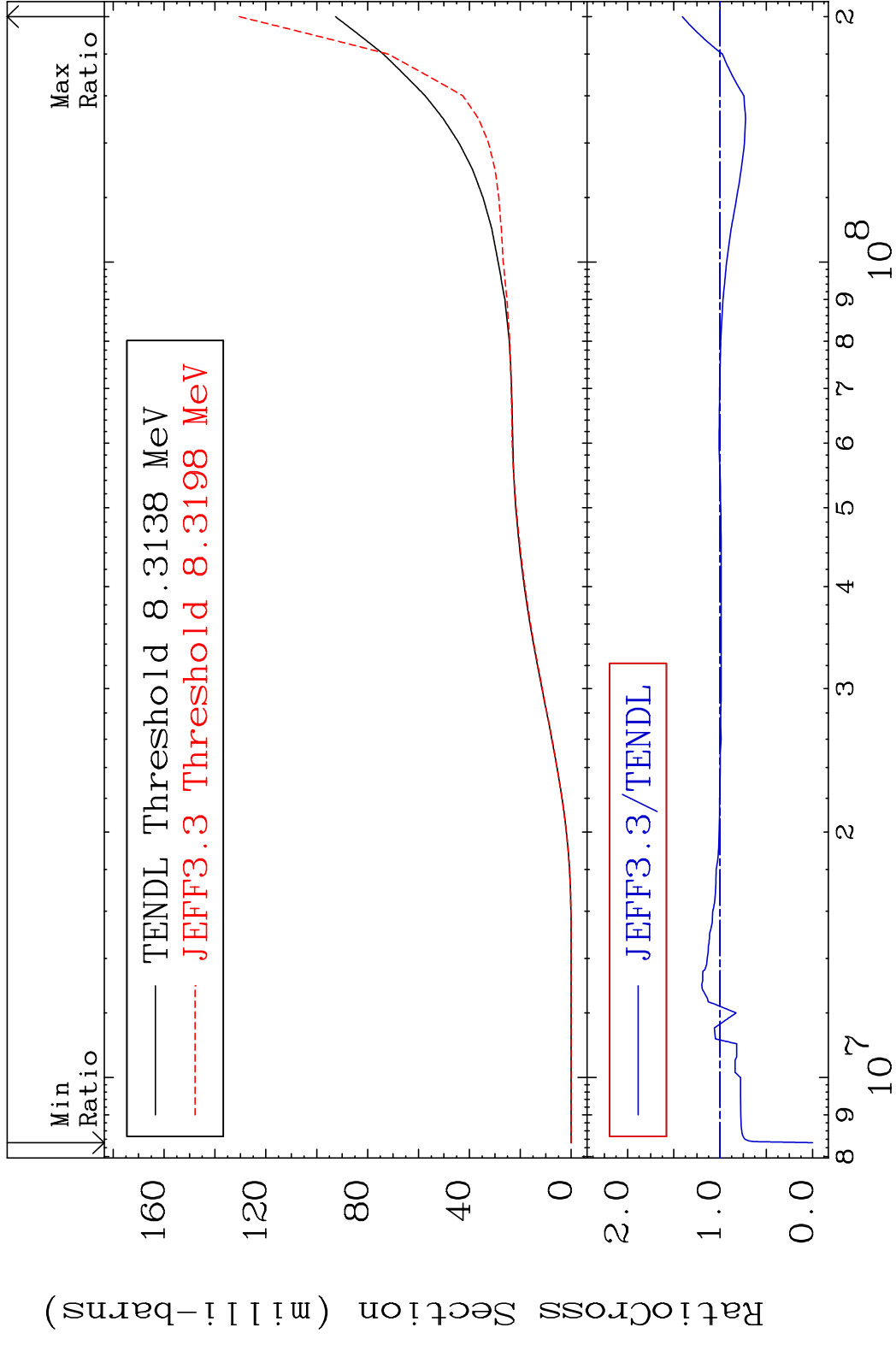
MAT 5225 Hydrogen Production 52-Te-120
 Cross Section -100.0 To 98.81 %



MAT 5225 Deuterium Production 52-Te-120
 Cross Section -100.0 To 51.49 %



MAT 5225 Tritium Production 52-Te-120
 Cross Section -100.0 To 40.78 %

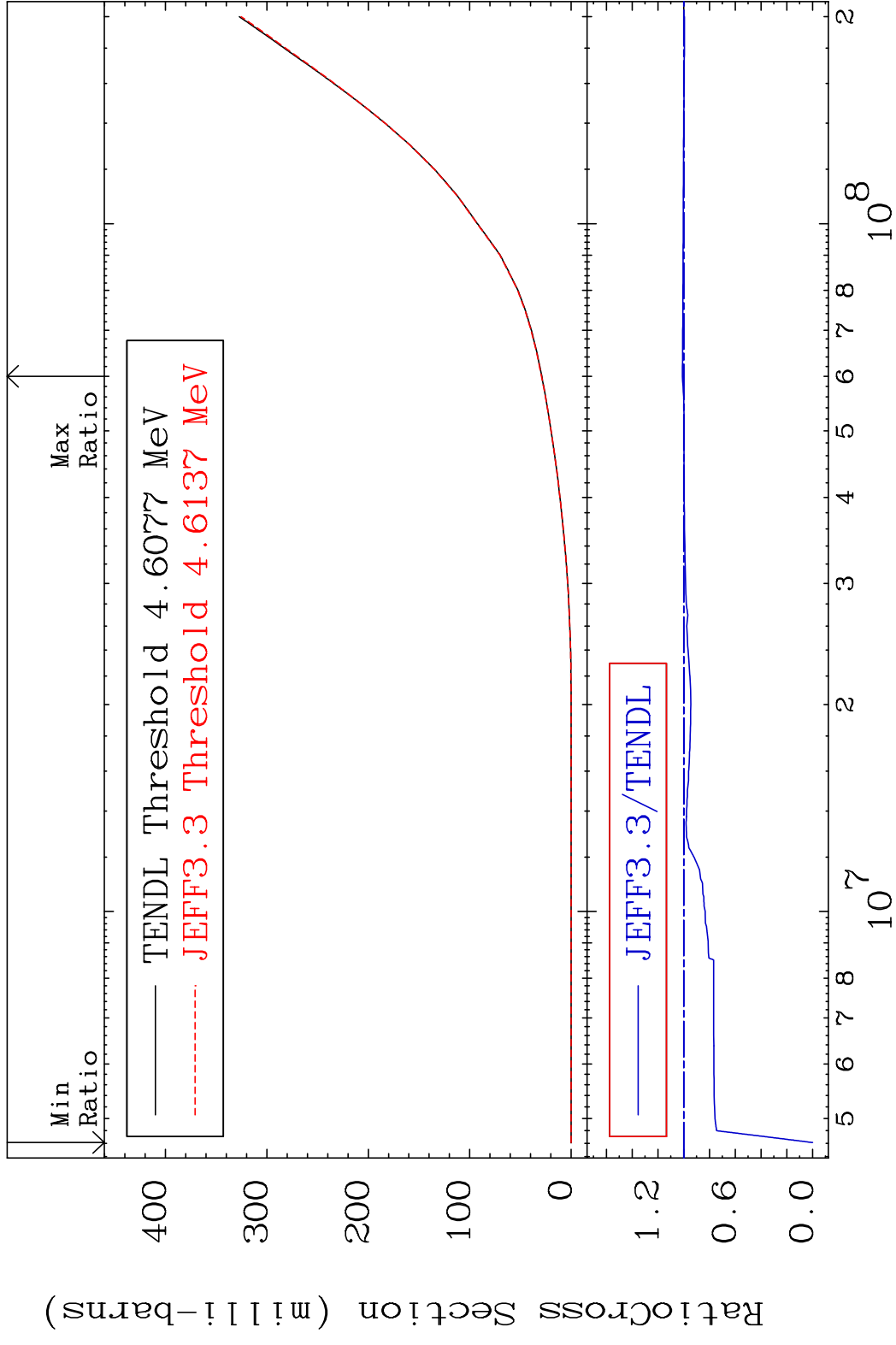


MAT 5225

He-3 Production

52-Te-120

Cross Section -100.0 To 1.061 %



66

Incident Energy (eV)

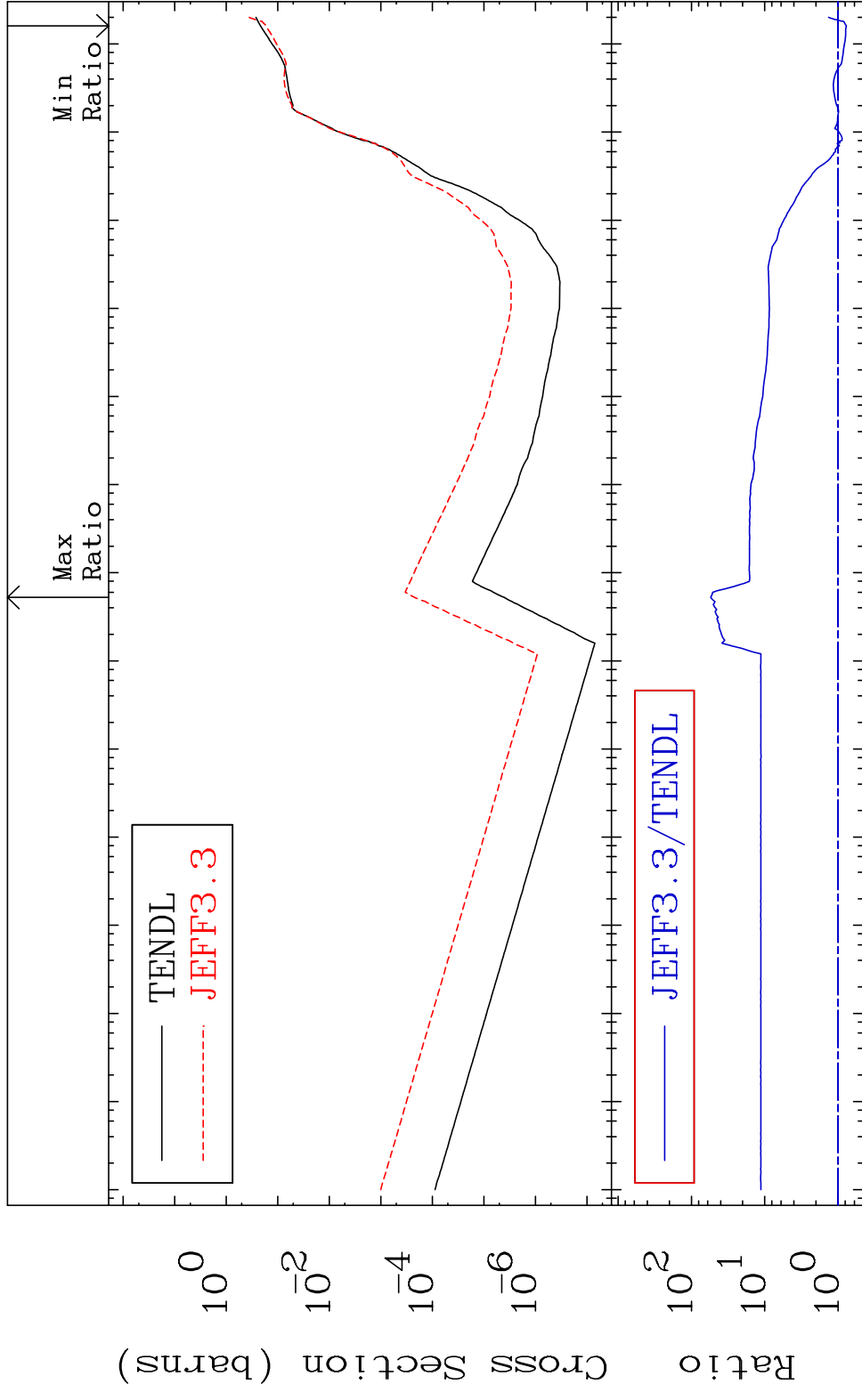
52-Te-120

MAT 5225

He-4 Production

52-Te-120

Cross Section -22.78 To 5360. %



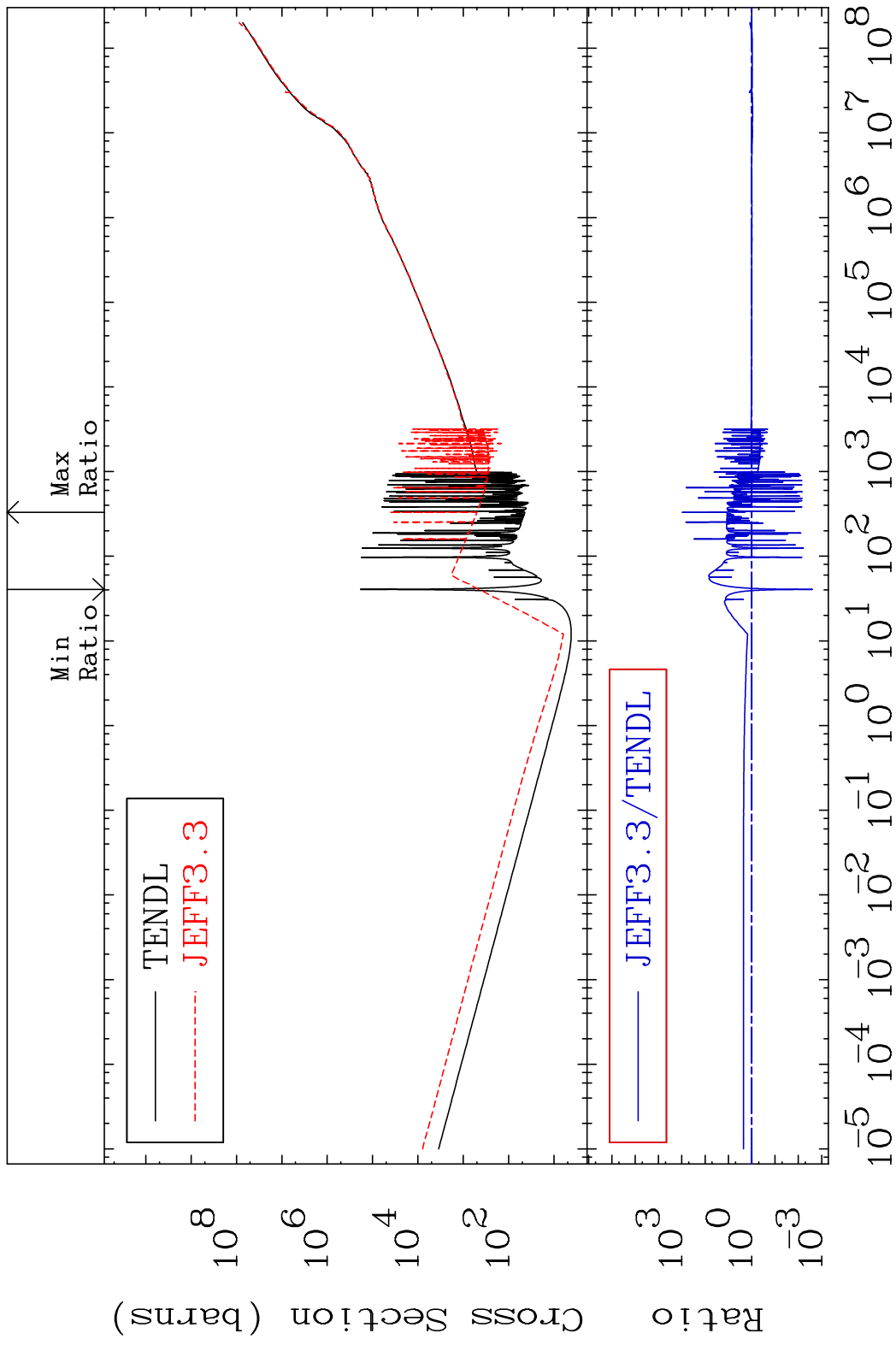
10⁰ 10⁻² 10⁻⁴ 10⁻⁶ 10⁻⁸ 10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

67

Incident Energy (eV)

52-Te-120

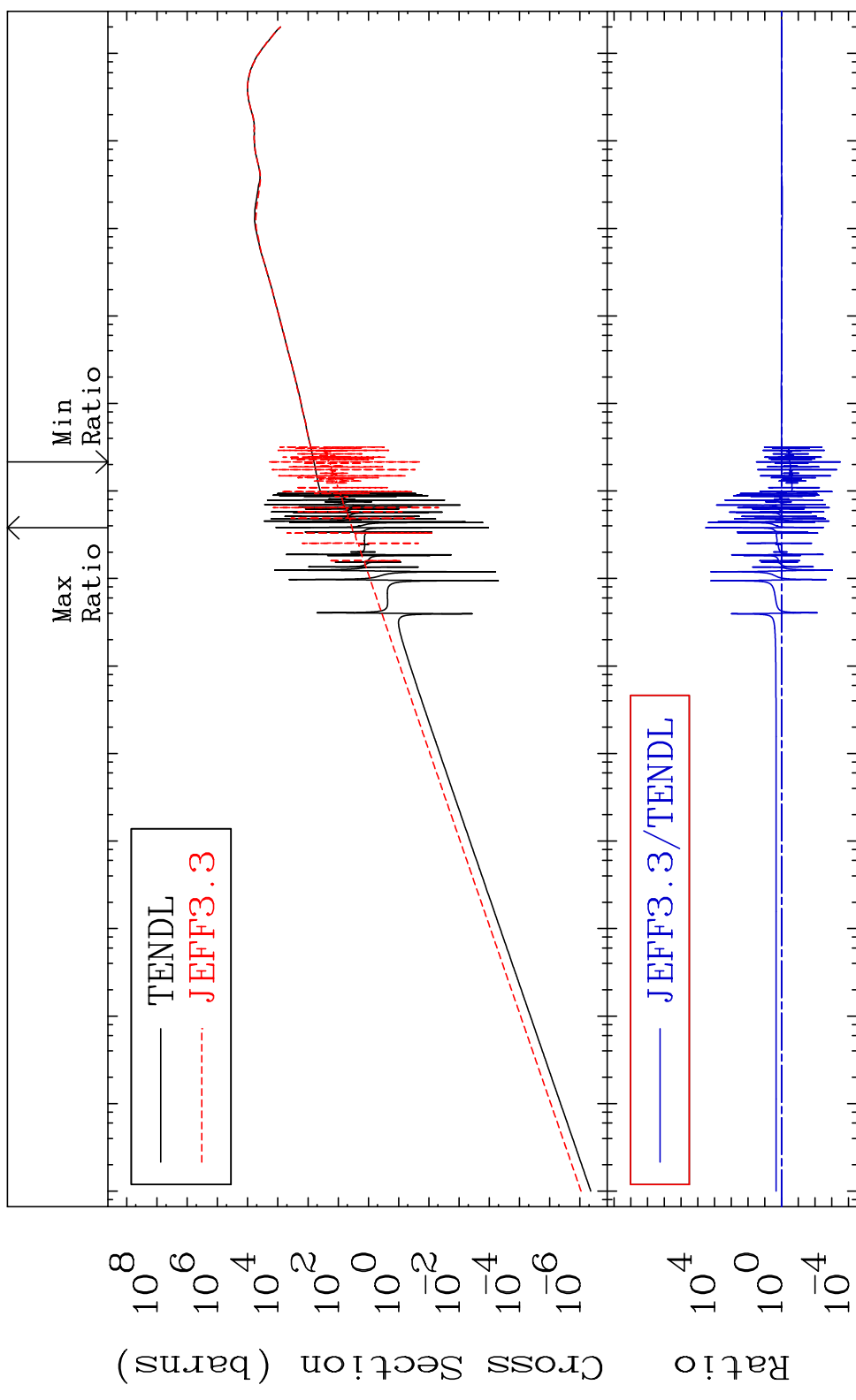
MAT 5225 Kerma total (eV-barns) 52-Te-120
 Cross Section -99.75 To 9999. %



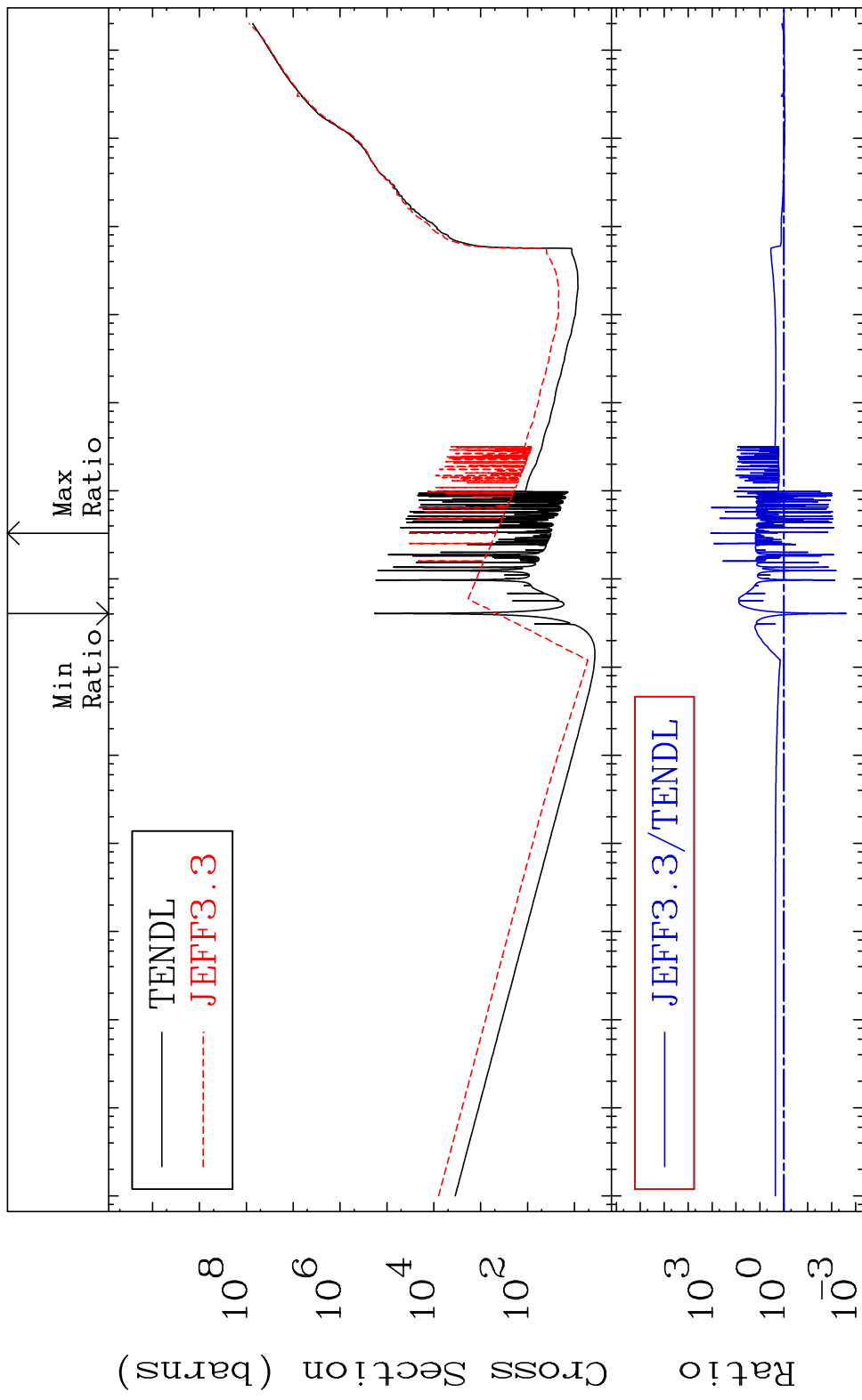
MAT 5225

Kerma elastic Cross Section -99.97 To 9999. %

52-Te-120

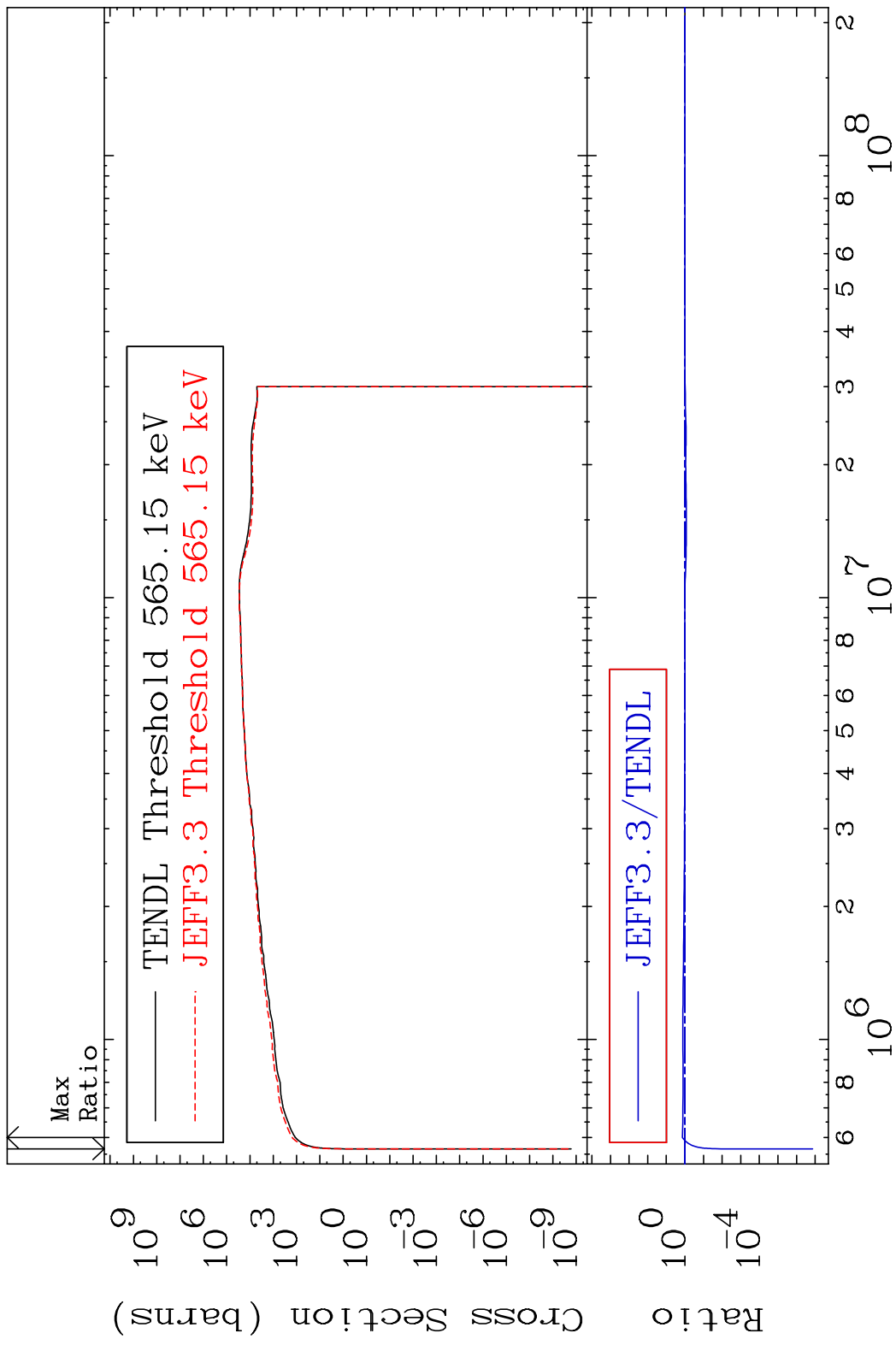


MAT 5225 Kerma non-elastic (all but mt2) 52-Te-120
 Cross Section -99.76 To 9999. %

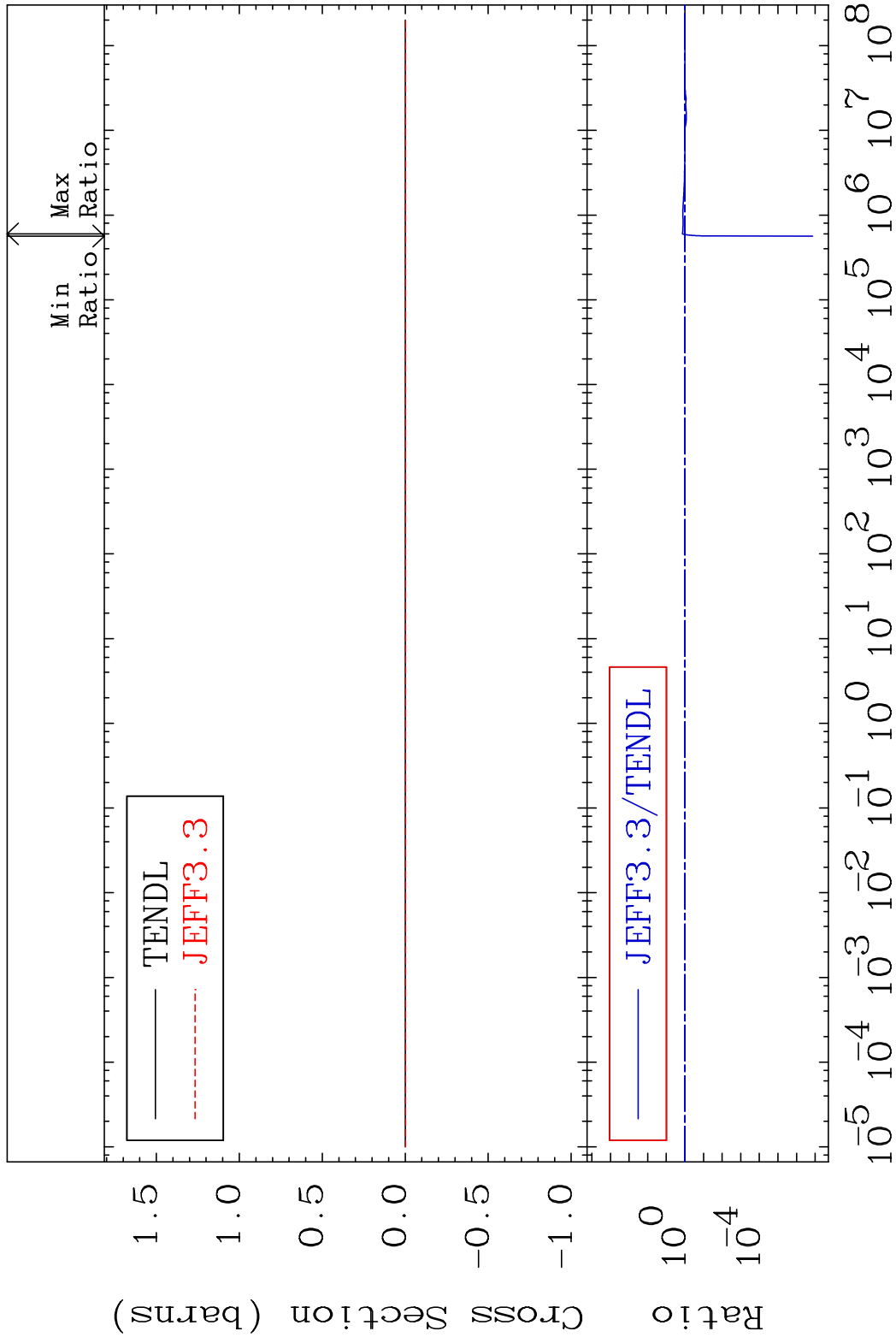


70 Incident Energy (eV) 52-Te-120

MAT 5225 Kerma inelastic (mt51-91) 52-Te-120
 Cross Section -100.0 To 36.98 %

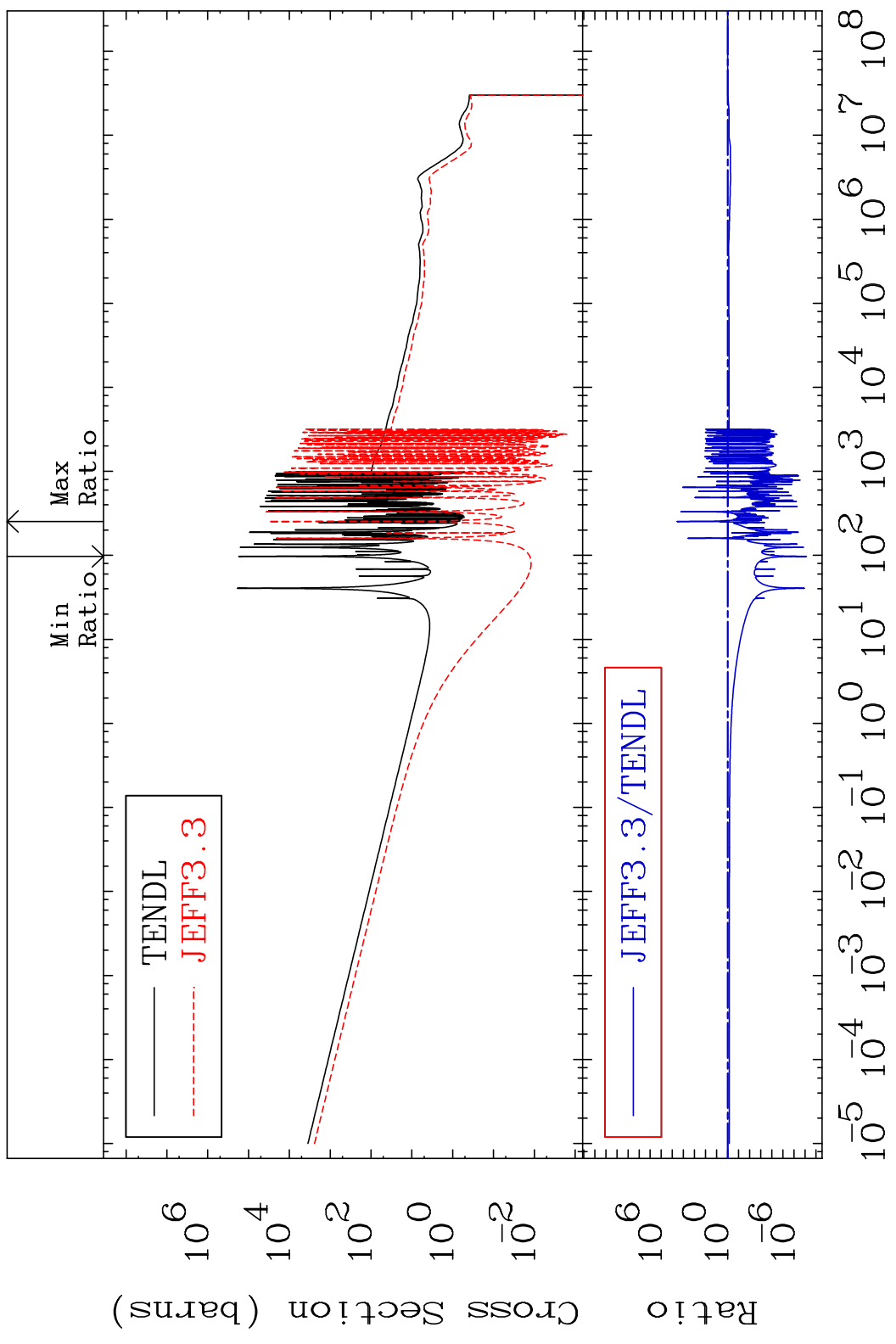


MAT 5225 Kerma fission (mt18 or mt19-20-21-38) 52-Te-120
 Cross Section -100.0 To 36.98 %



MAT 5225

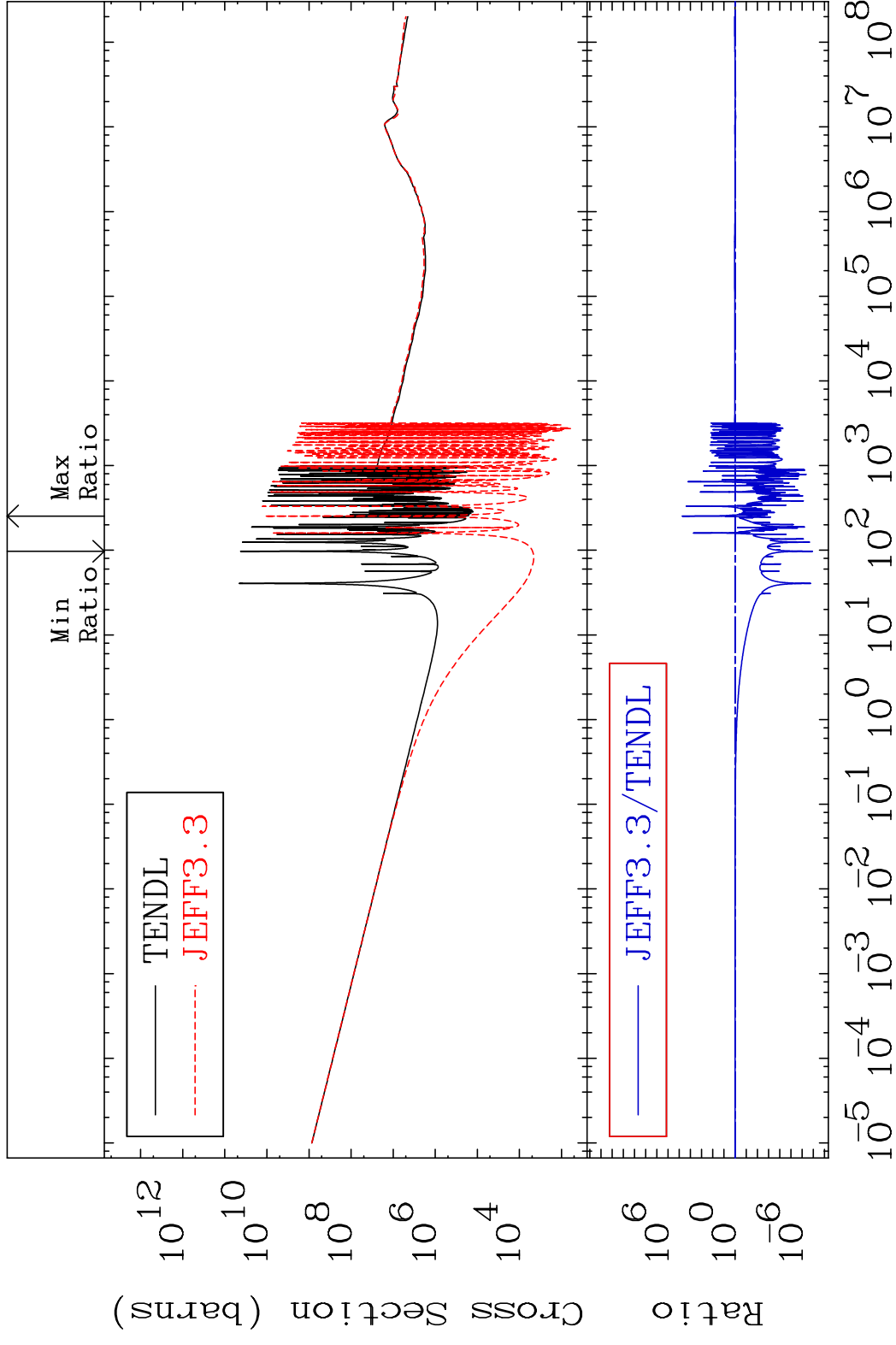
Kerma capture (mt102) 52-Te-120
Cross Section -100.0 To 9999. %



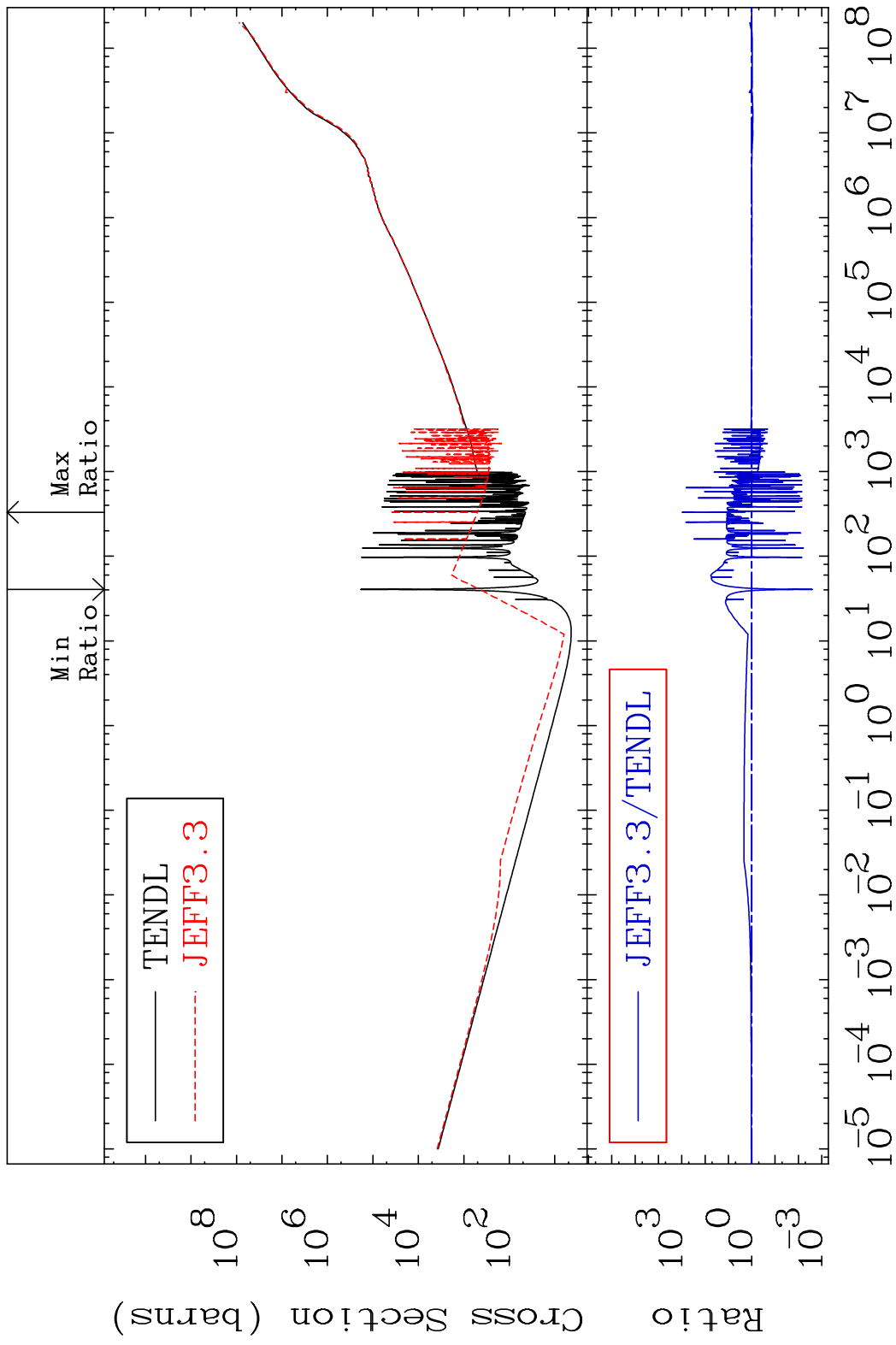
73

Incident Energy (eV) 52-Te-120

MAT 5225 Total photon (eV-barns) 52-Te-120
 Cross Section -100.0 To 9999. %



MAT 5225 Total kinematic kerma (high limit) 52-Te-120
 Cross Section -99.75 To 9999. %

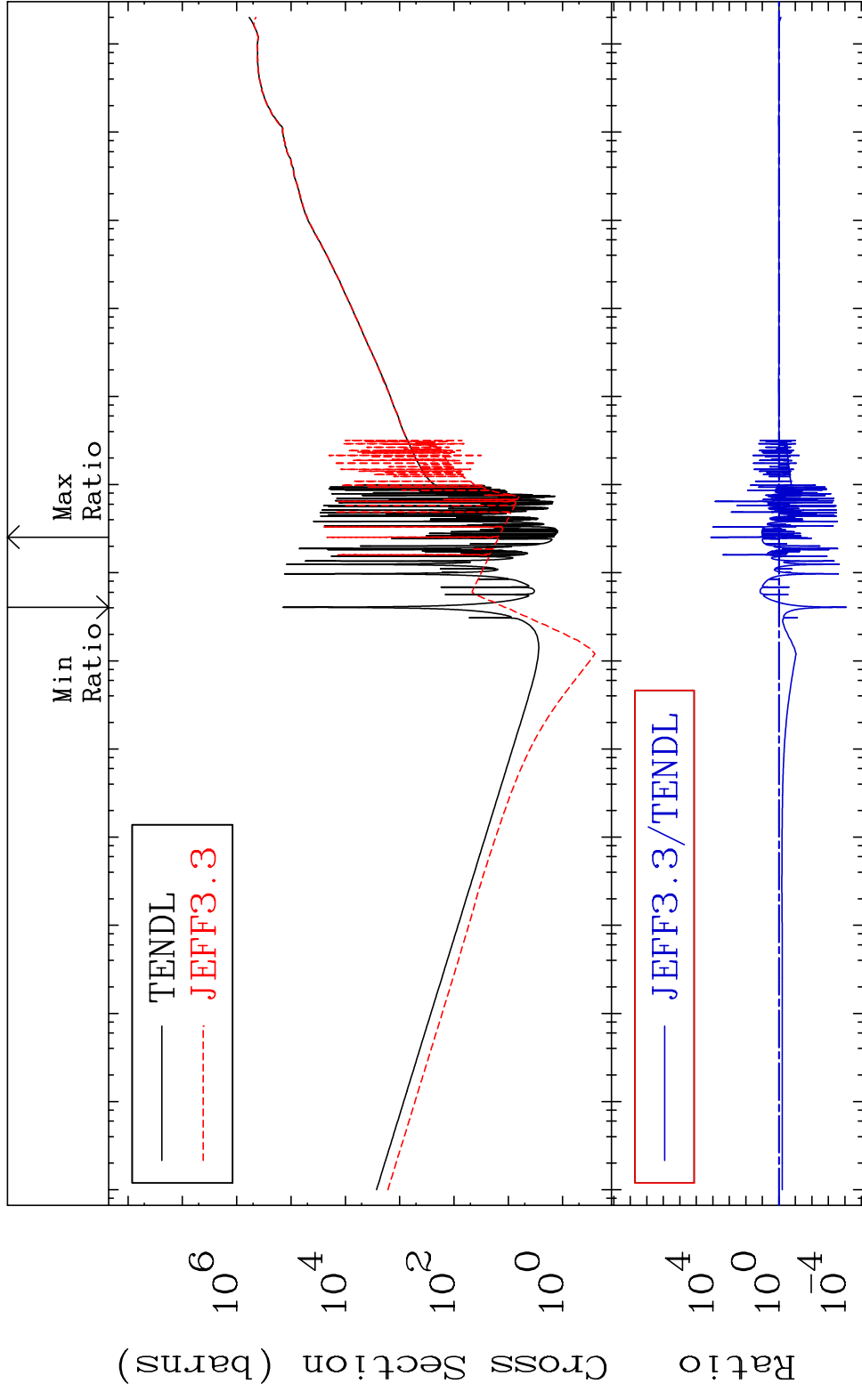


MAT 5225

Dpa total (eV-barns)

52-Te-120

Cross Section -99.99 To 9999. %



76

Incident Energy (eV)

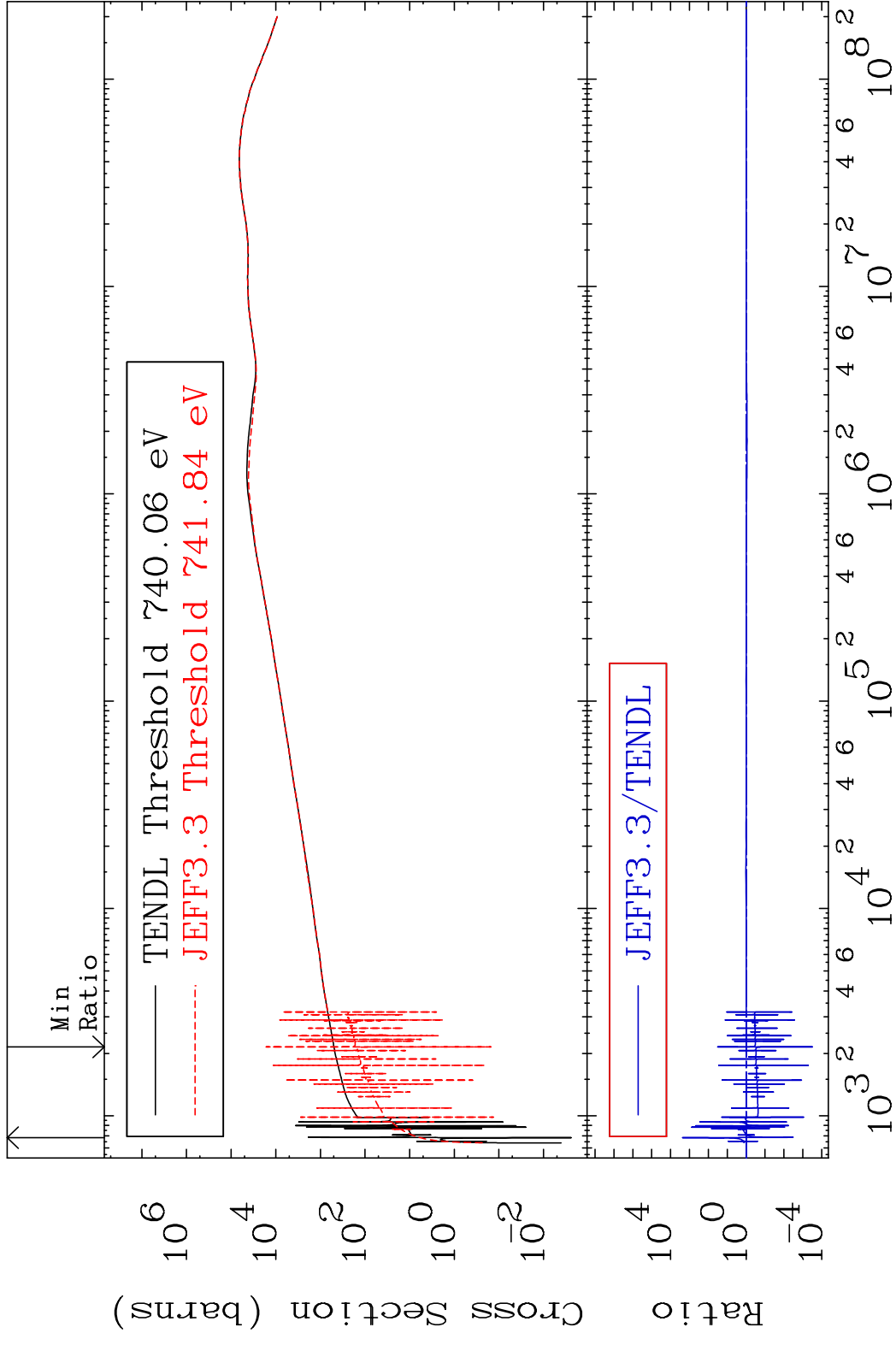
52-Te-120

MAT 5225

Dpa elastic (mt2)

52-Te-120

Cross Section -99.97 To 9999. %

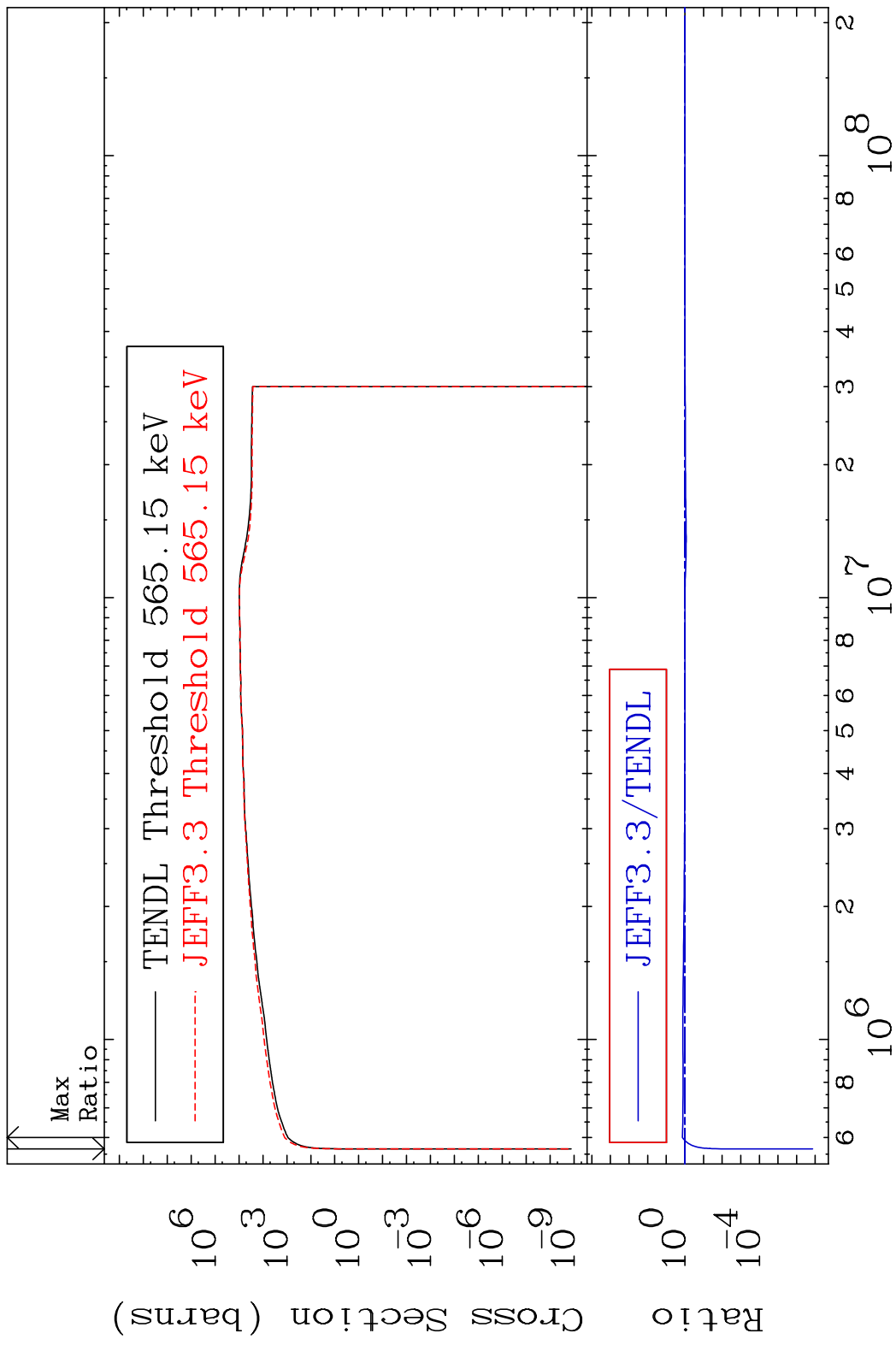


77

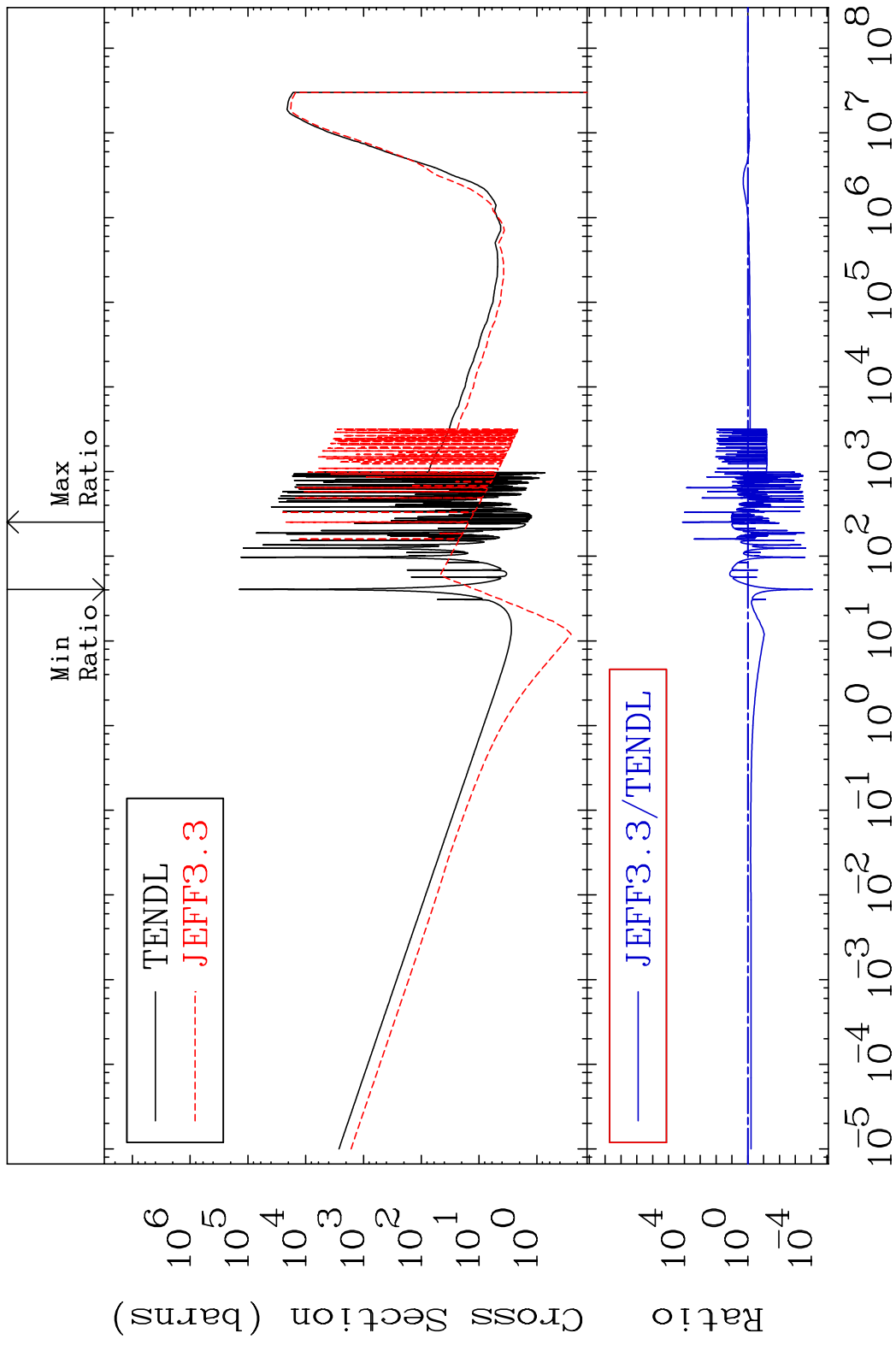
Incident Energy (eV)

52-Te-120

MAT 5225 Dpa inelastic (mt51-91) 52-Te-120
 Cross Section -100.0 To 36.99 %

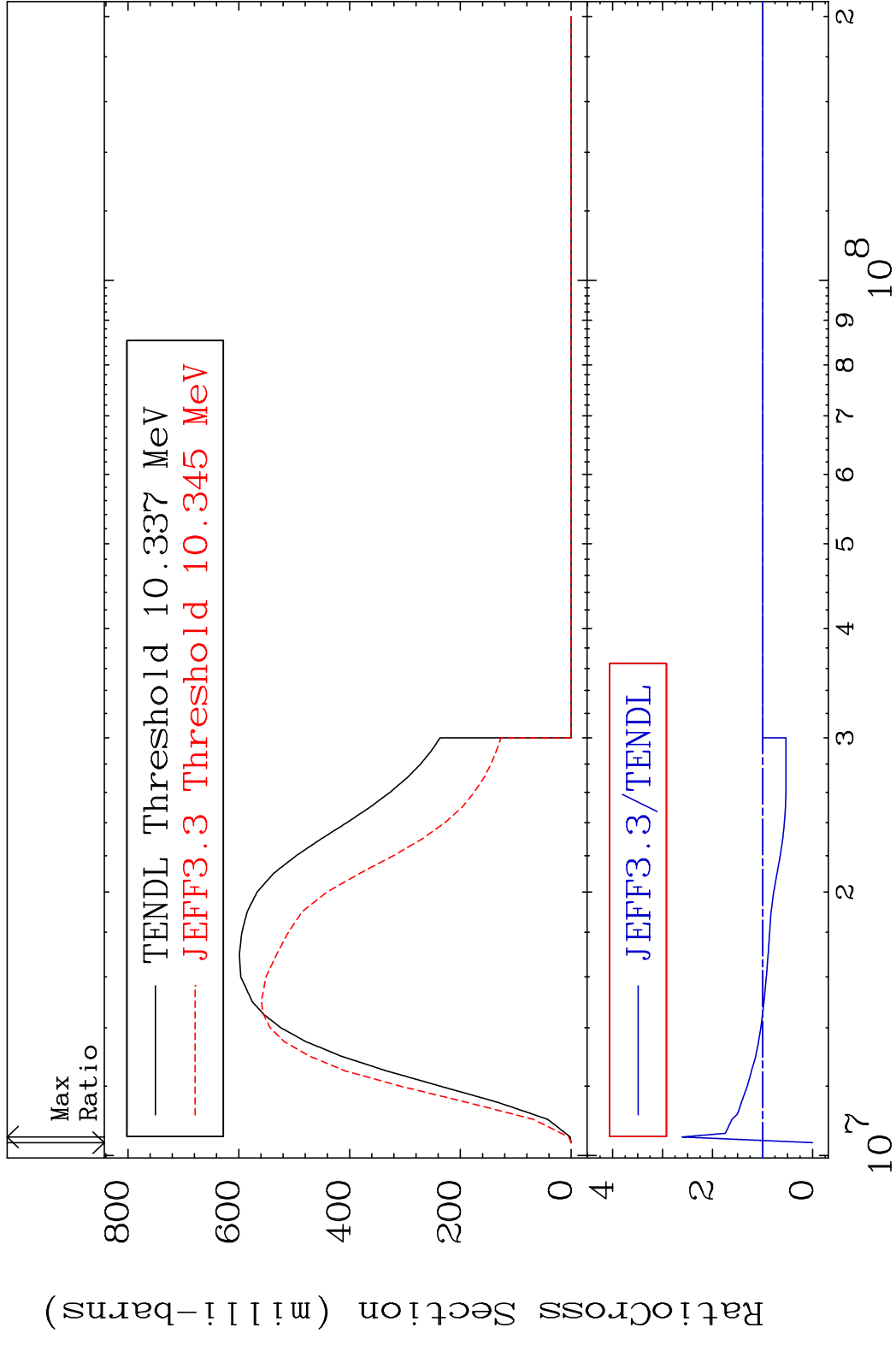


MAT 5225 Dpa disappearance (mt102 -120) 52-Te-120
 Cross Section -99.99 To 9999. %



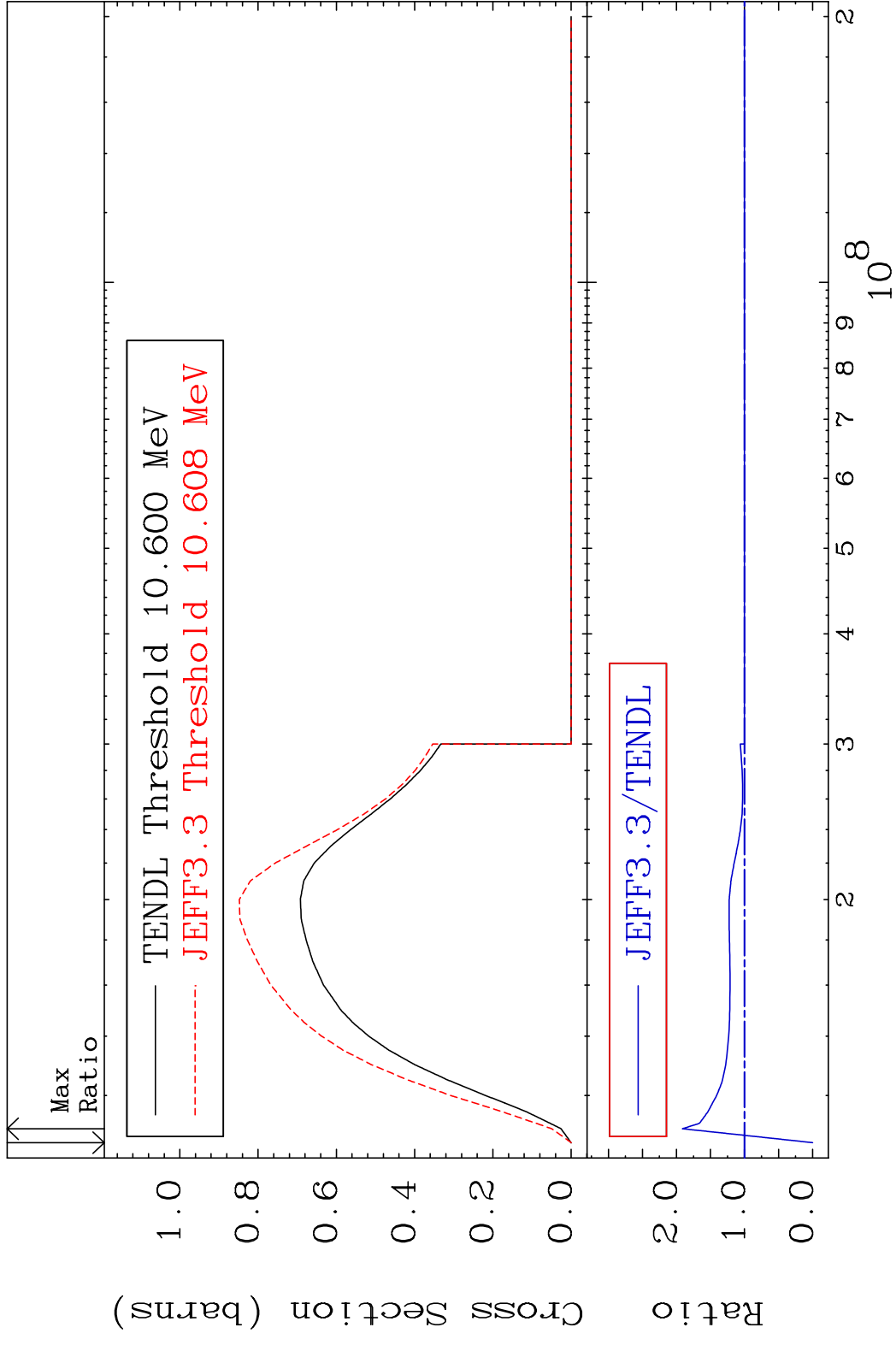
79 Incident Energy (eV) 52-Te-120

MAT 5225 (n,2n):52-Te-119g 52-Te-120
 Radionuclide Production Cross Section 180.0 mb 160.4 %

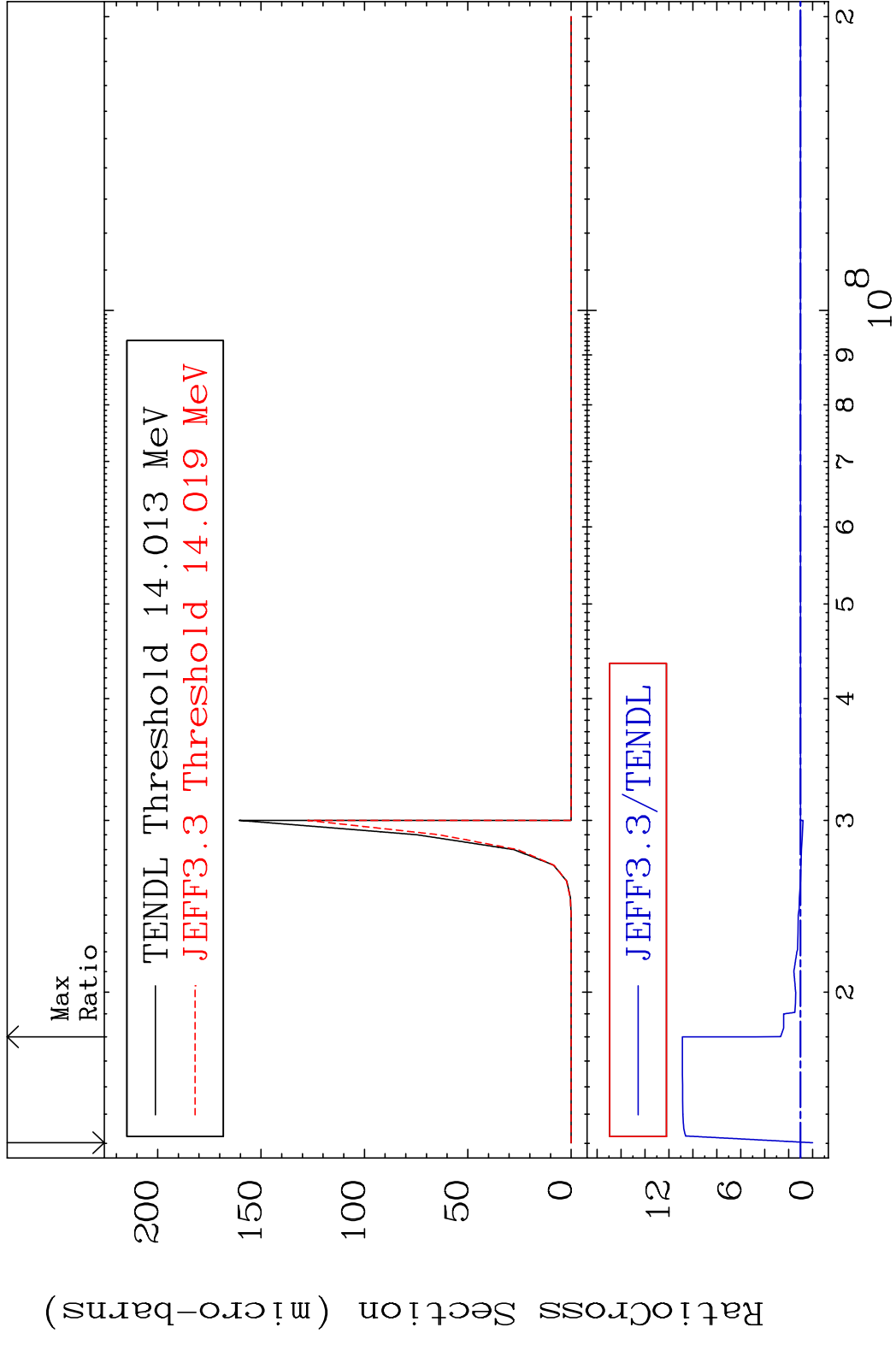


80 52-Te-120

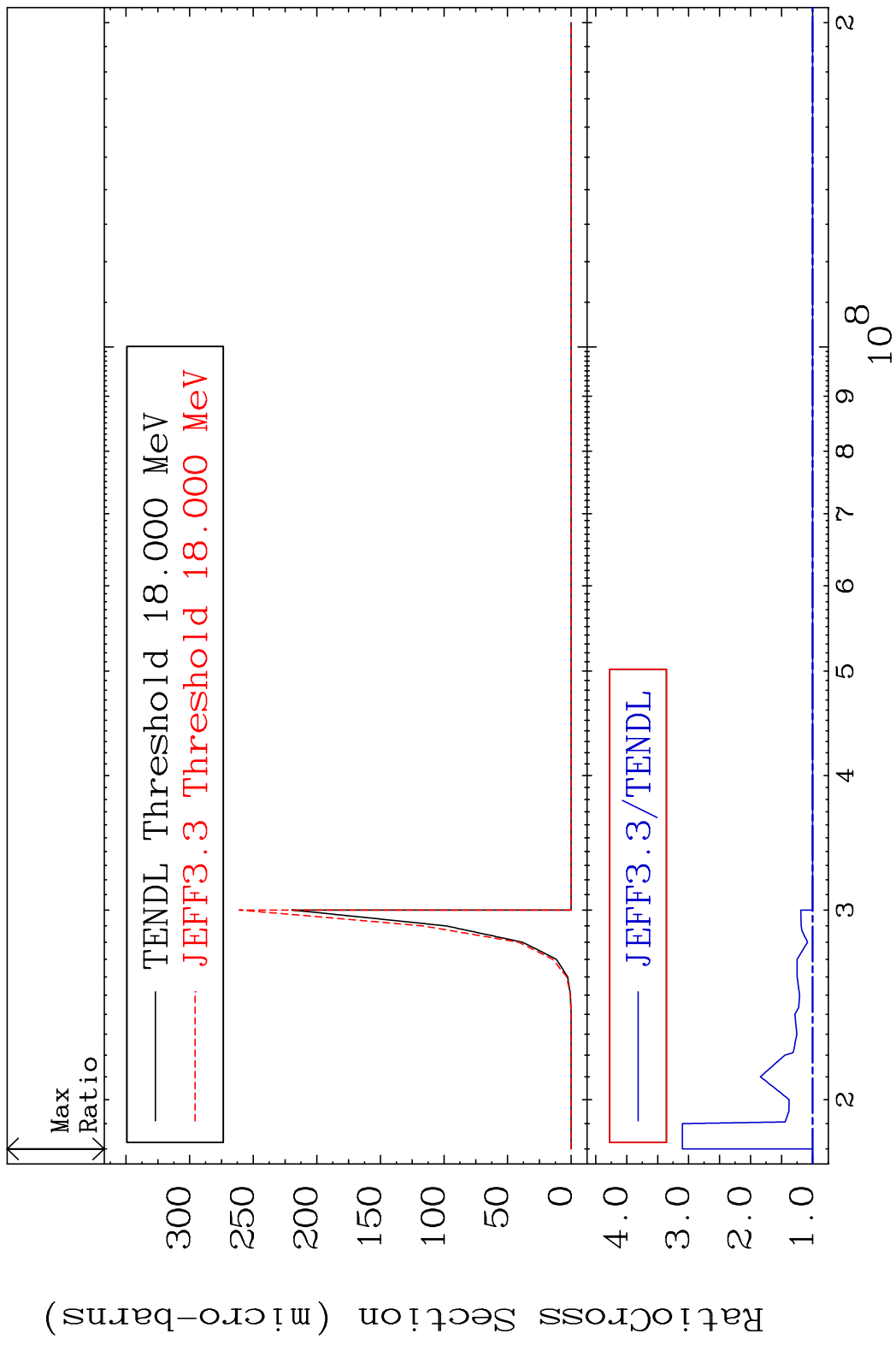
MAT 5225 (n,2n):52-Te-119m2 52-Te-120
 Radionuclide Production Cross Section Ratio 91.33 %



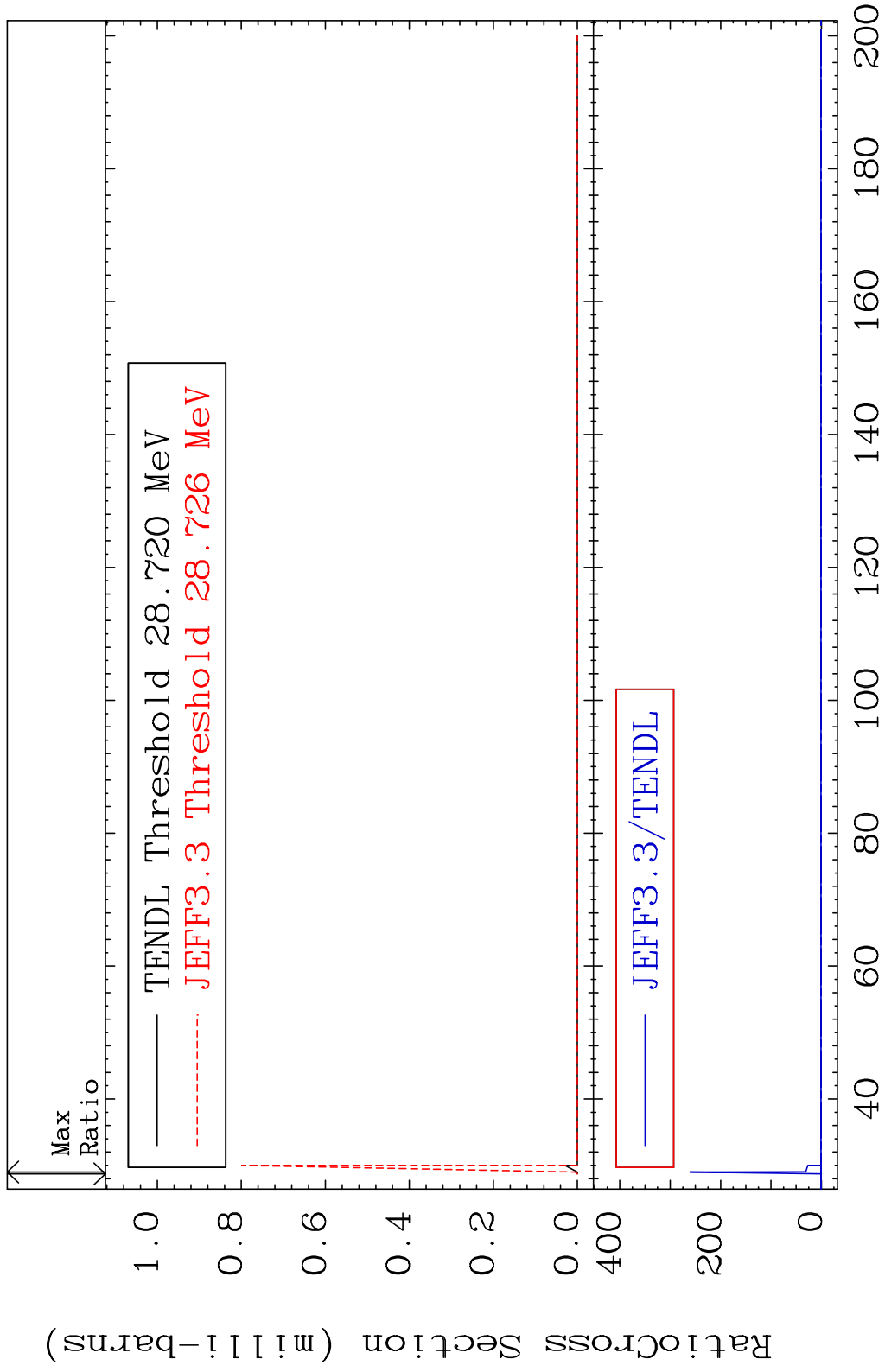
MAT 5225 (n, n') He-3:50-Sn-117g 52-Te-120
 Radionuclide Production Cross Section Ratio 987.6 %



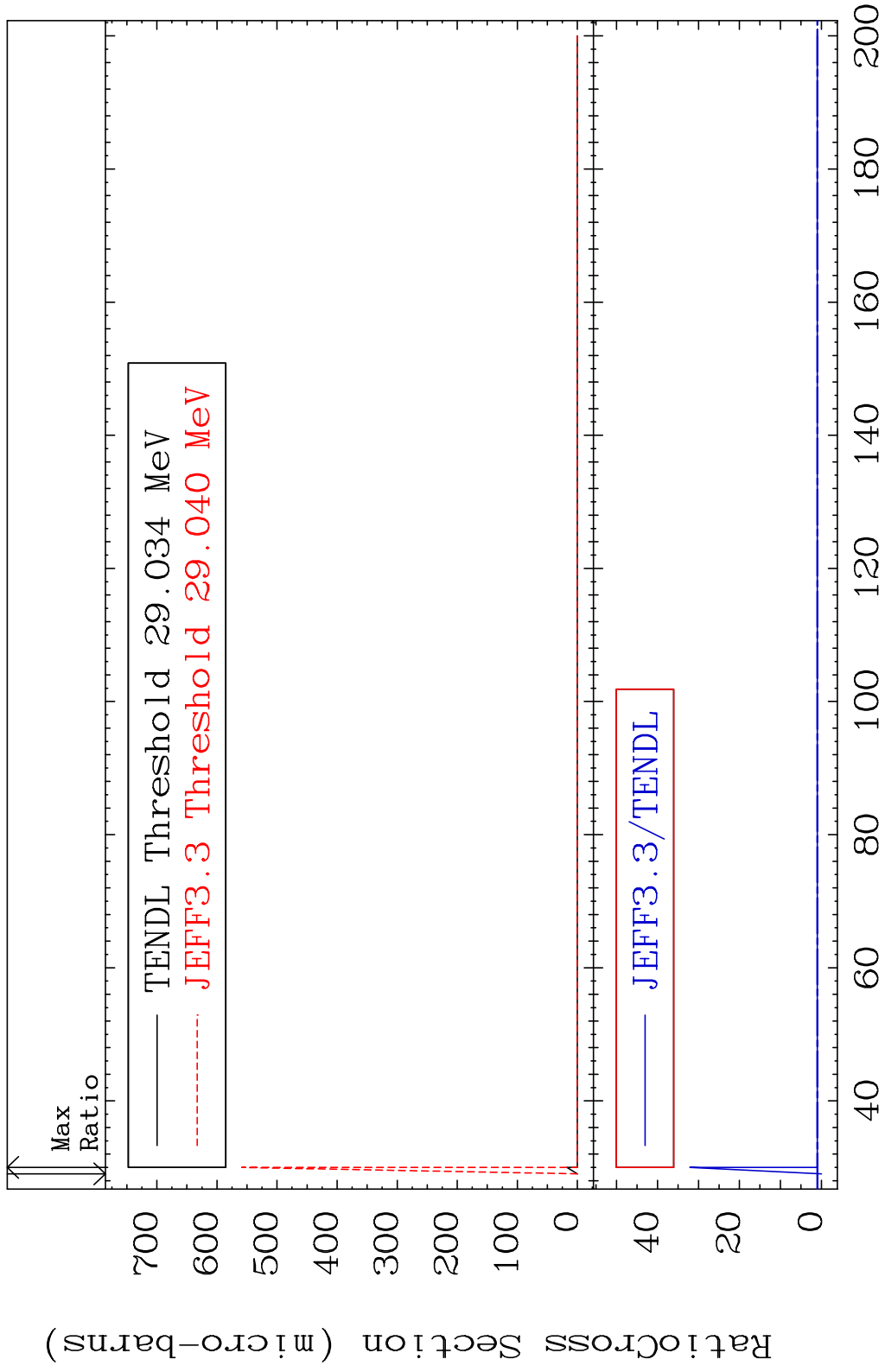
MAT 5225 (n, n') He-3:50-Sn-117m2 52-Te-120
 Radionuclide Production Cross Section 210.1 %

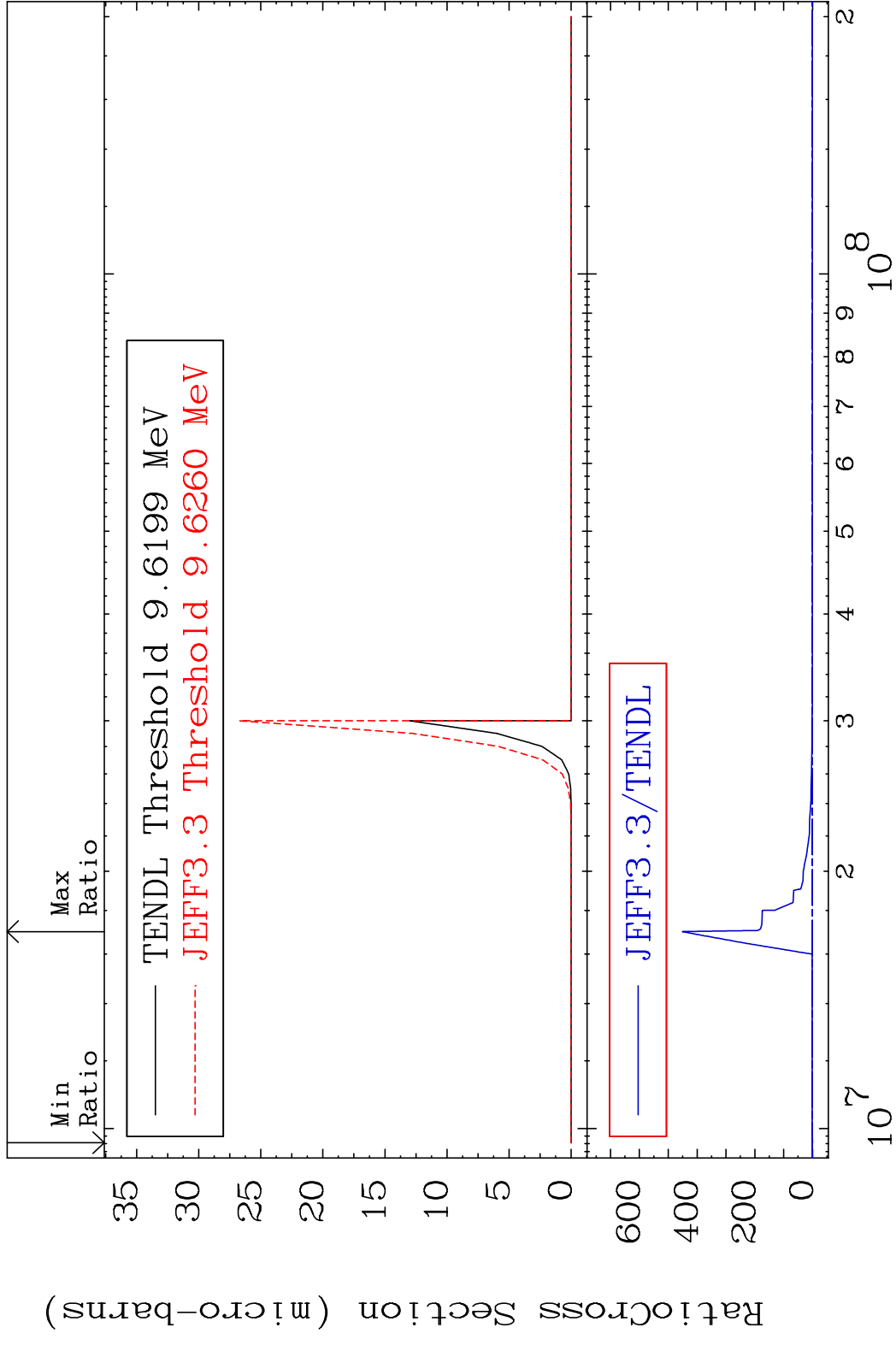


MAT 5225 (n,4n):52-Te-117g 52-Te-120
 Radionuclide Production Cross Section Ratio 9999. %

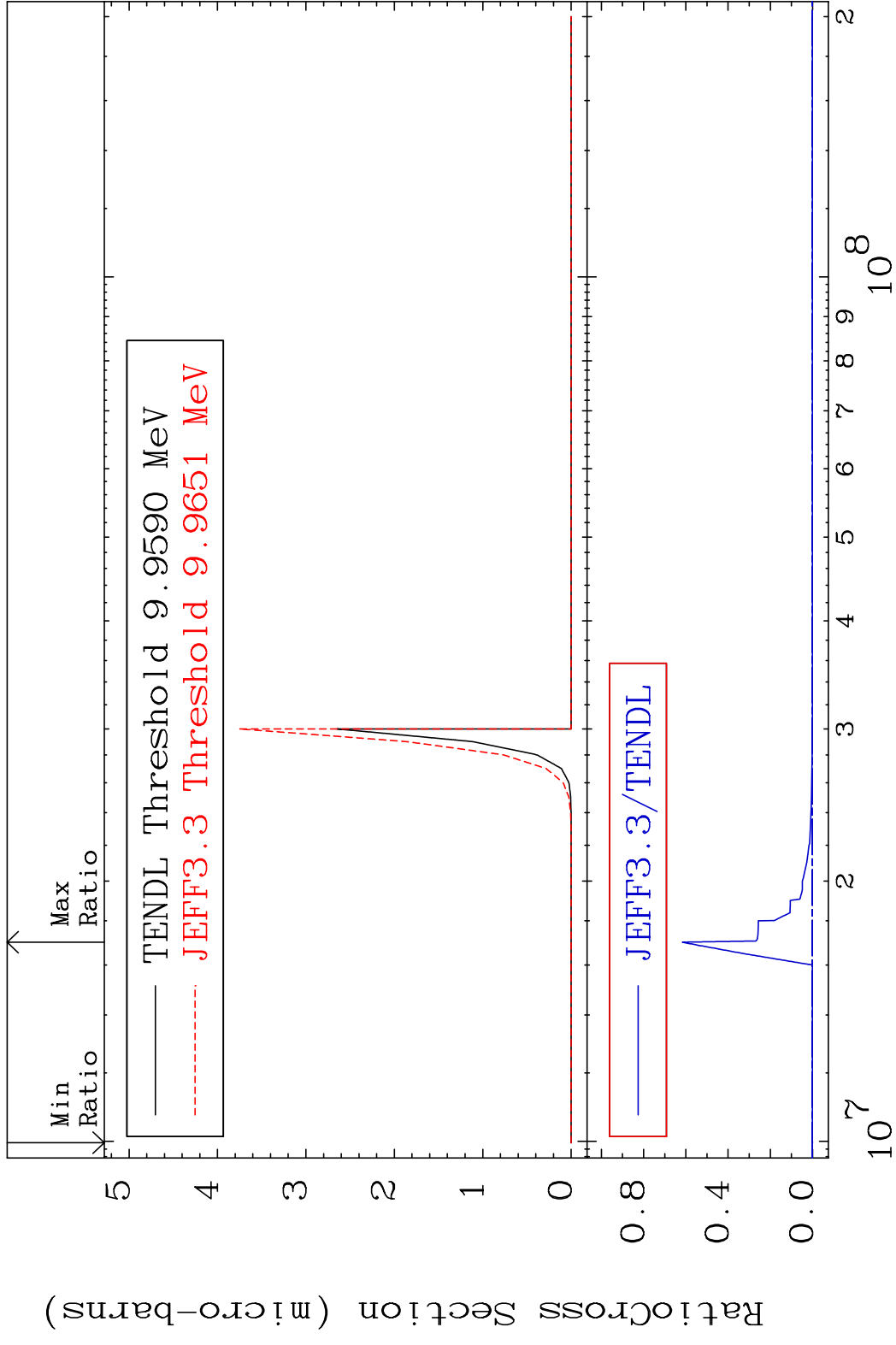


MAT 5225 (n, 4n):52-Te-117m3 52-Te-120
 Radionuclide Production Cross Section 180.01 dth 3113. %

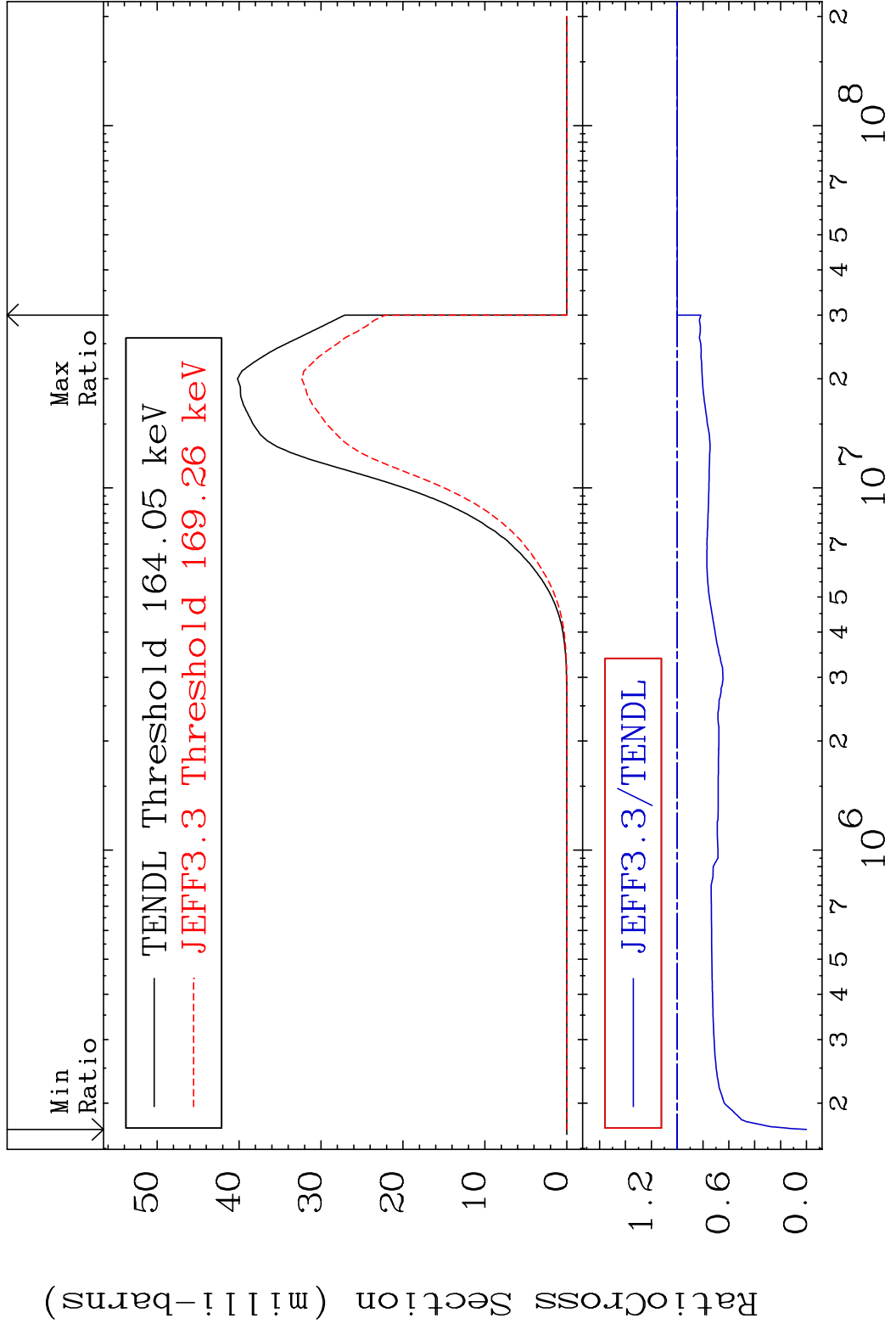




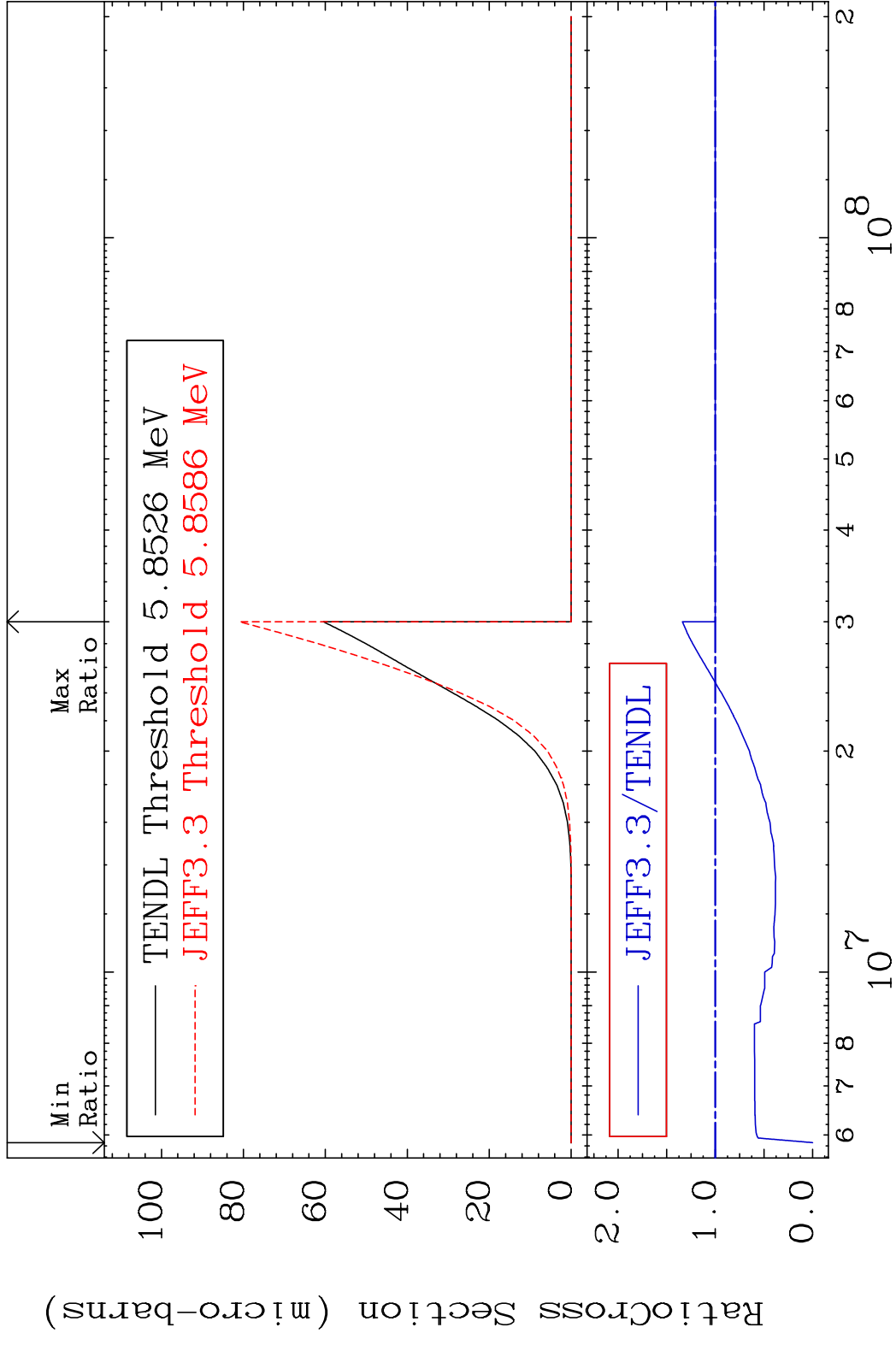
MAT 5225 (n, n') p α :49-In-115m1 52-Te-120
 Radionuclide Production Cross Section 100.00 to 9999.00 %



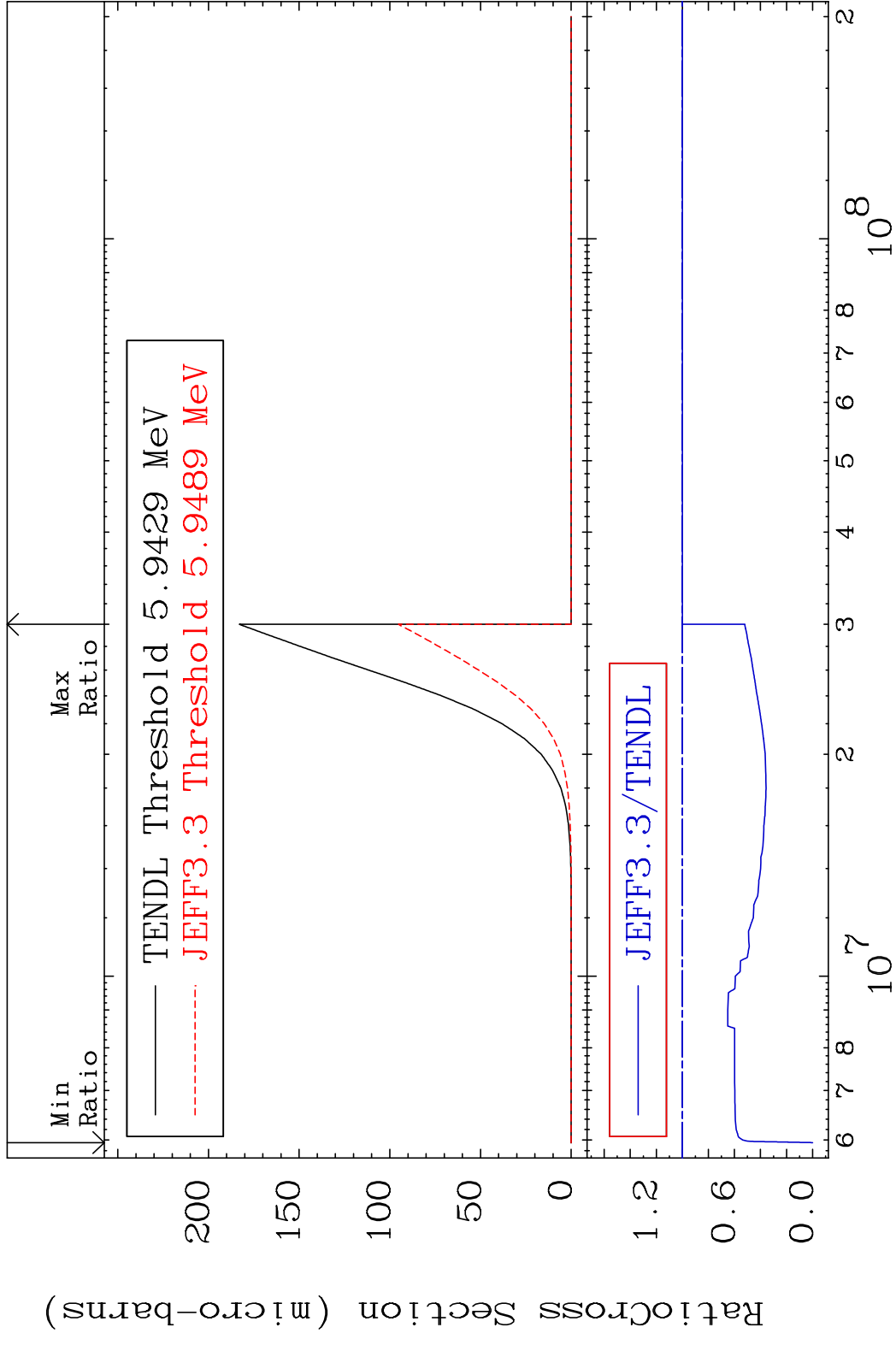
MAT 5225 (n,p):51-Sb-120g 52-Te-120
 Radionuclide Production Cross Section 0.000 %

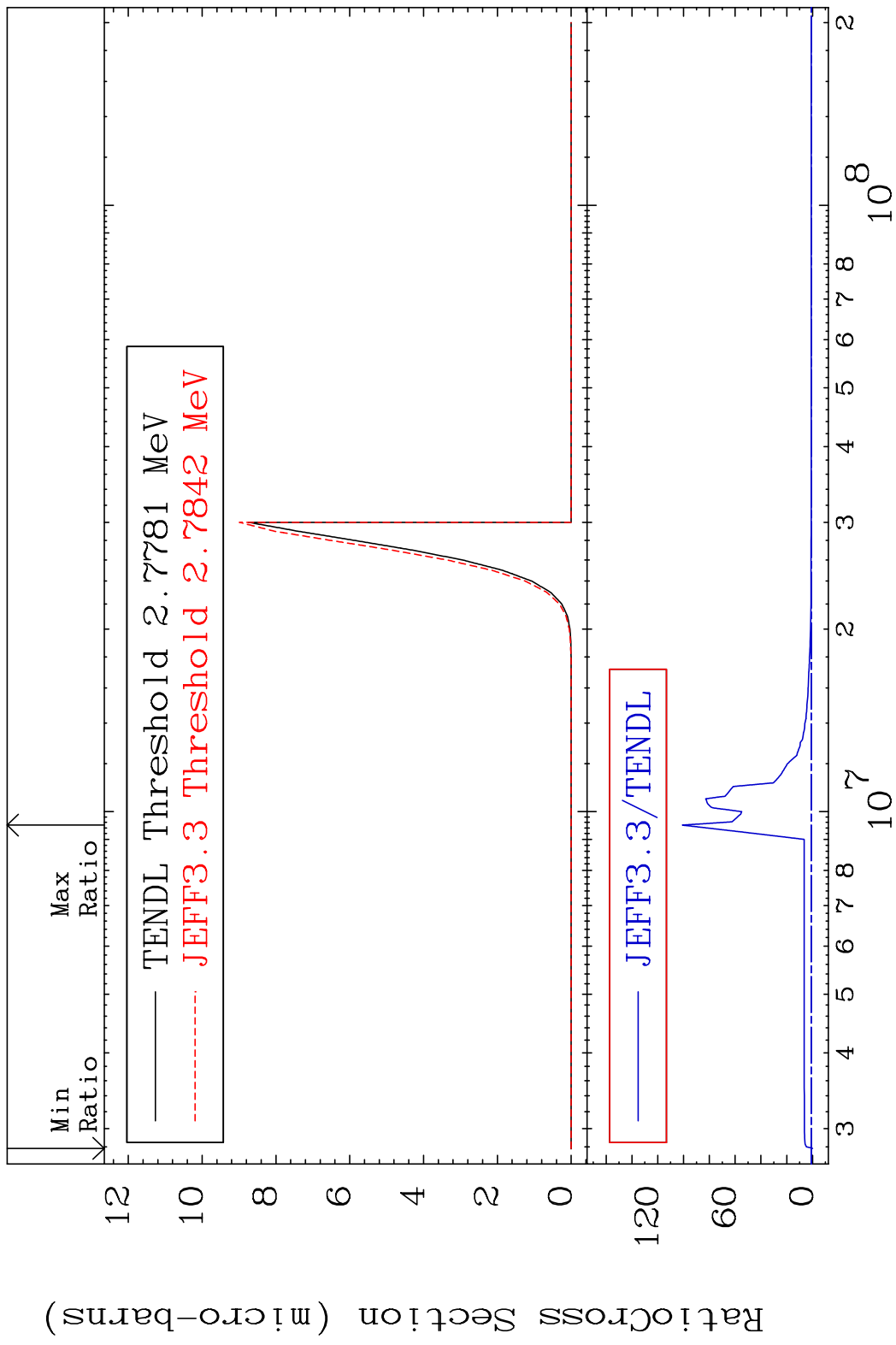


MAT 5225 (n,2p):50-Sn-119g 52-Te-120
 Radionuclide Production Cross Section 1800 dth 33.92 %

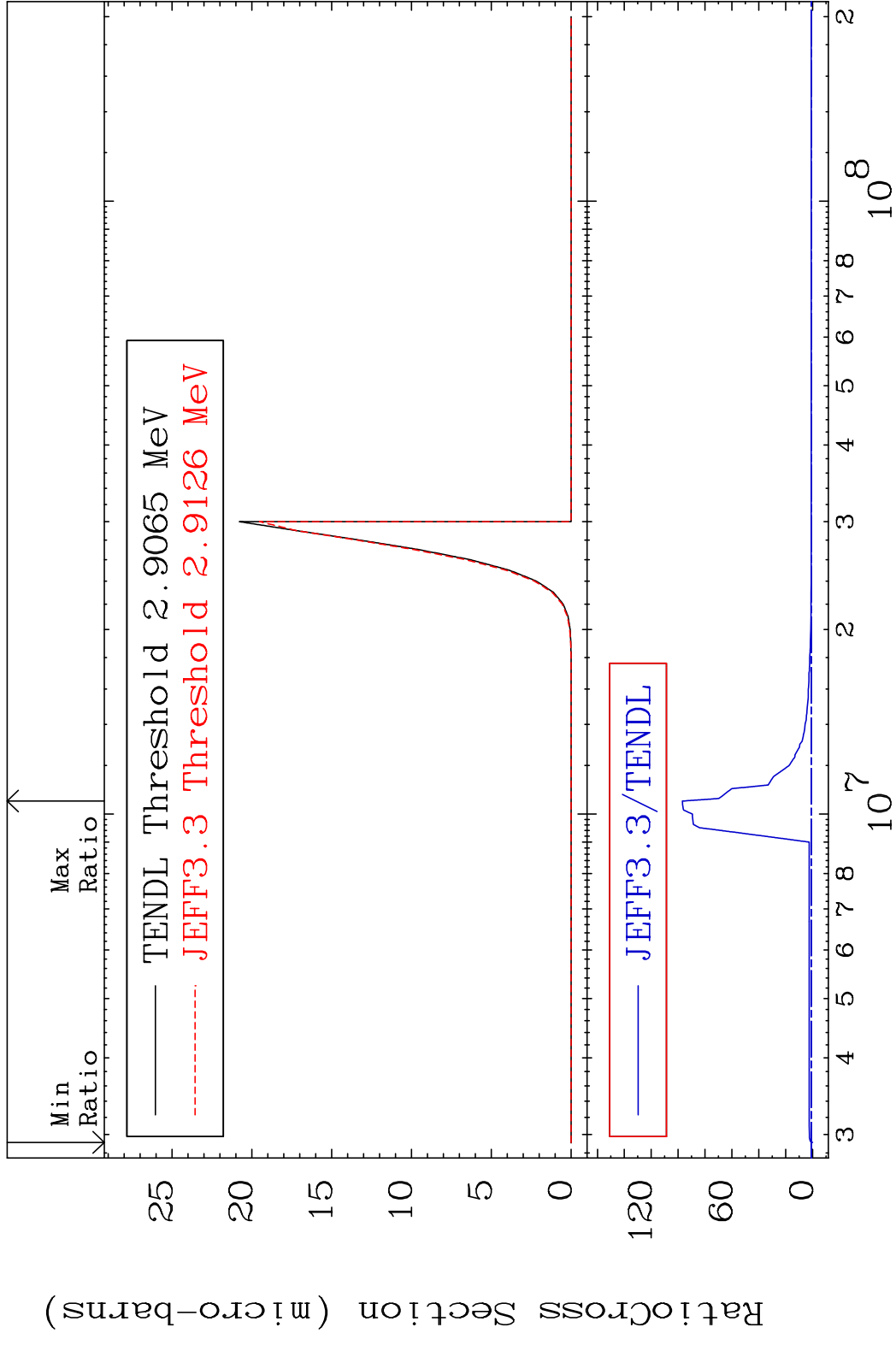


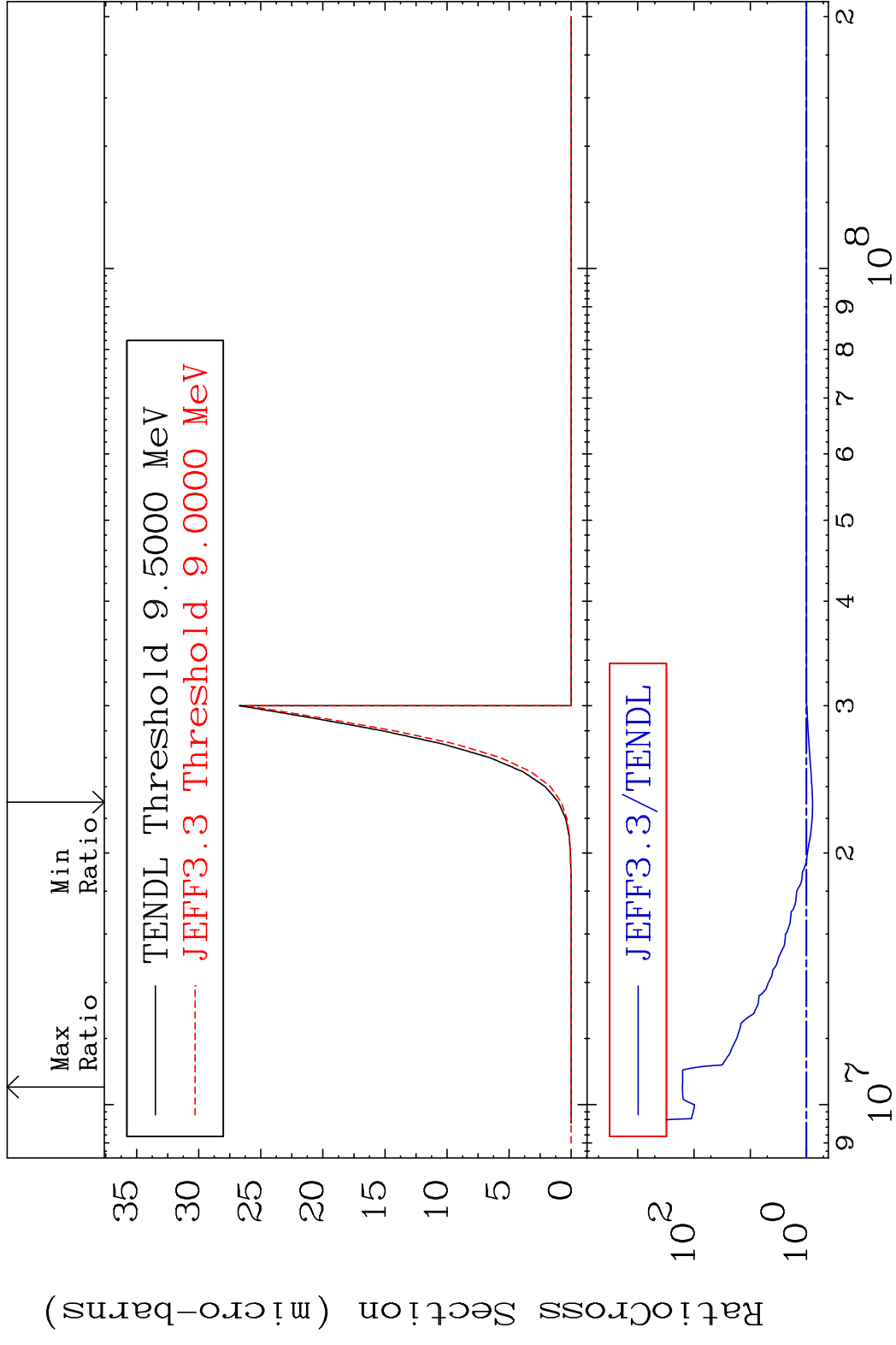
MAT 5225 (n, 2p):50-Sn-119m2 52-Te-120
 Radionuclide Production Cross Section 180.00 dth 0.000 %



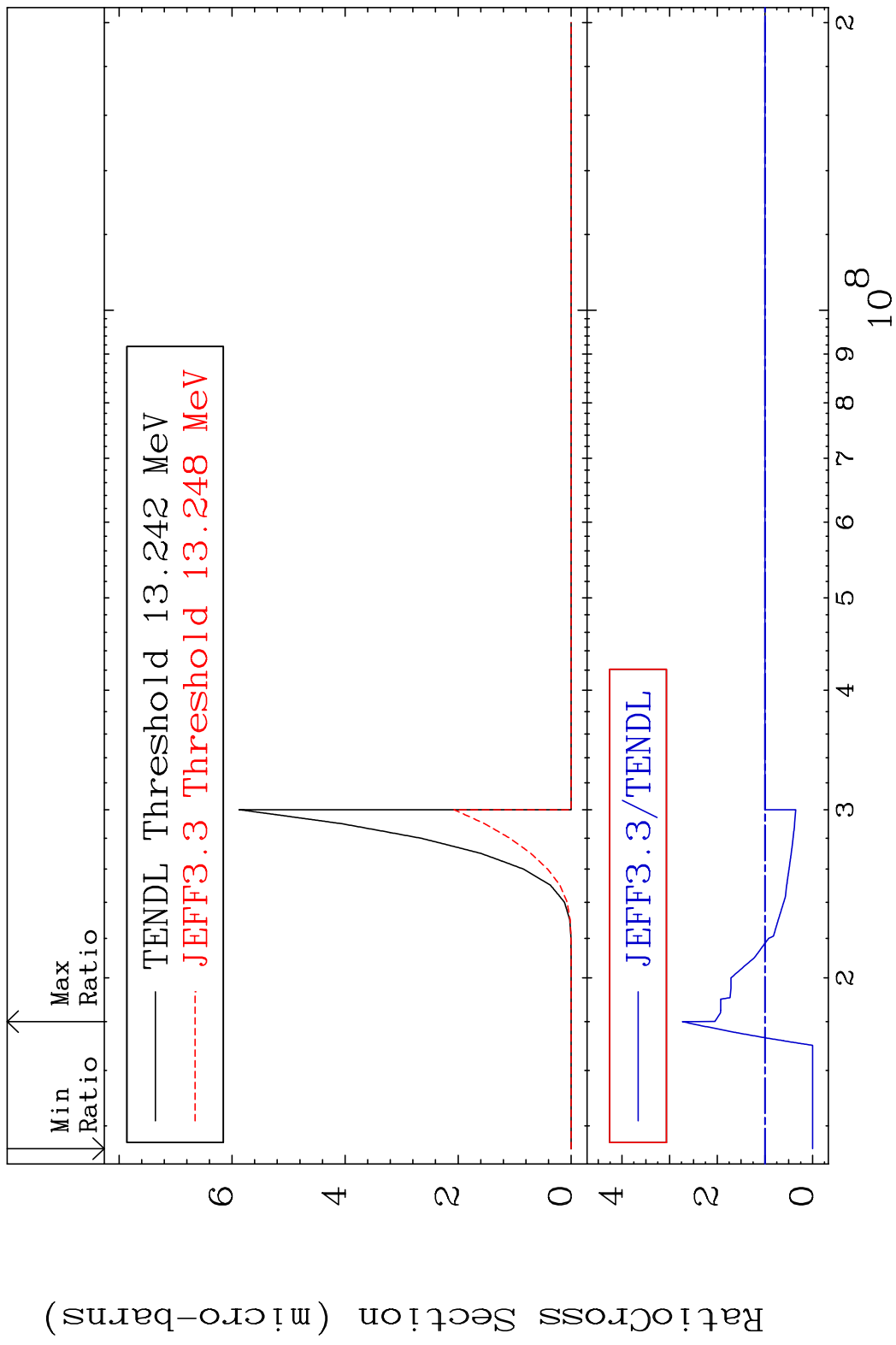


MAT 5225 (n, p) α : 49-In-116m1 52-Te-120
 Radionuclide Production Cross Section Ratio 9584. %

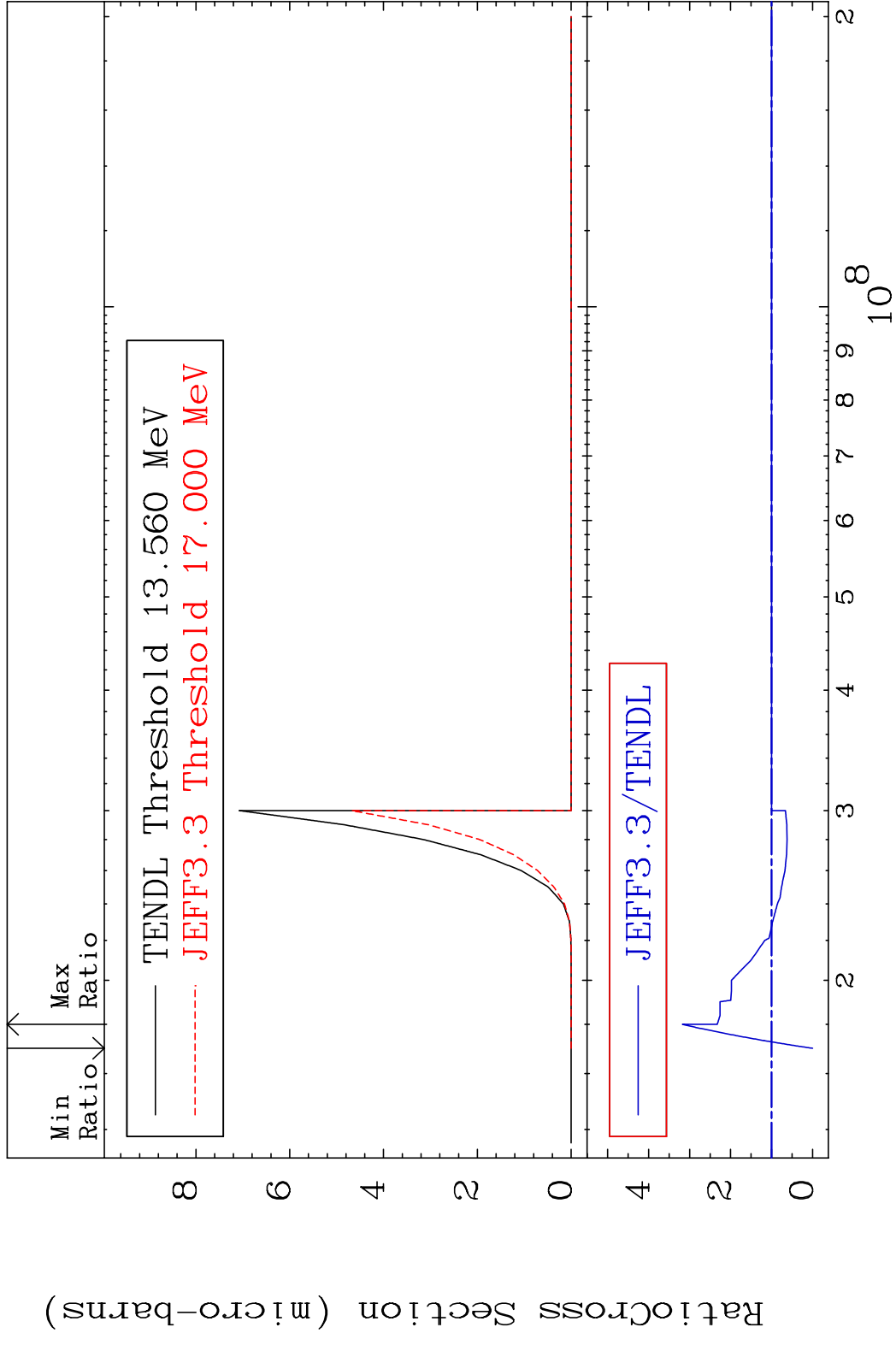




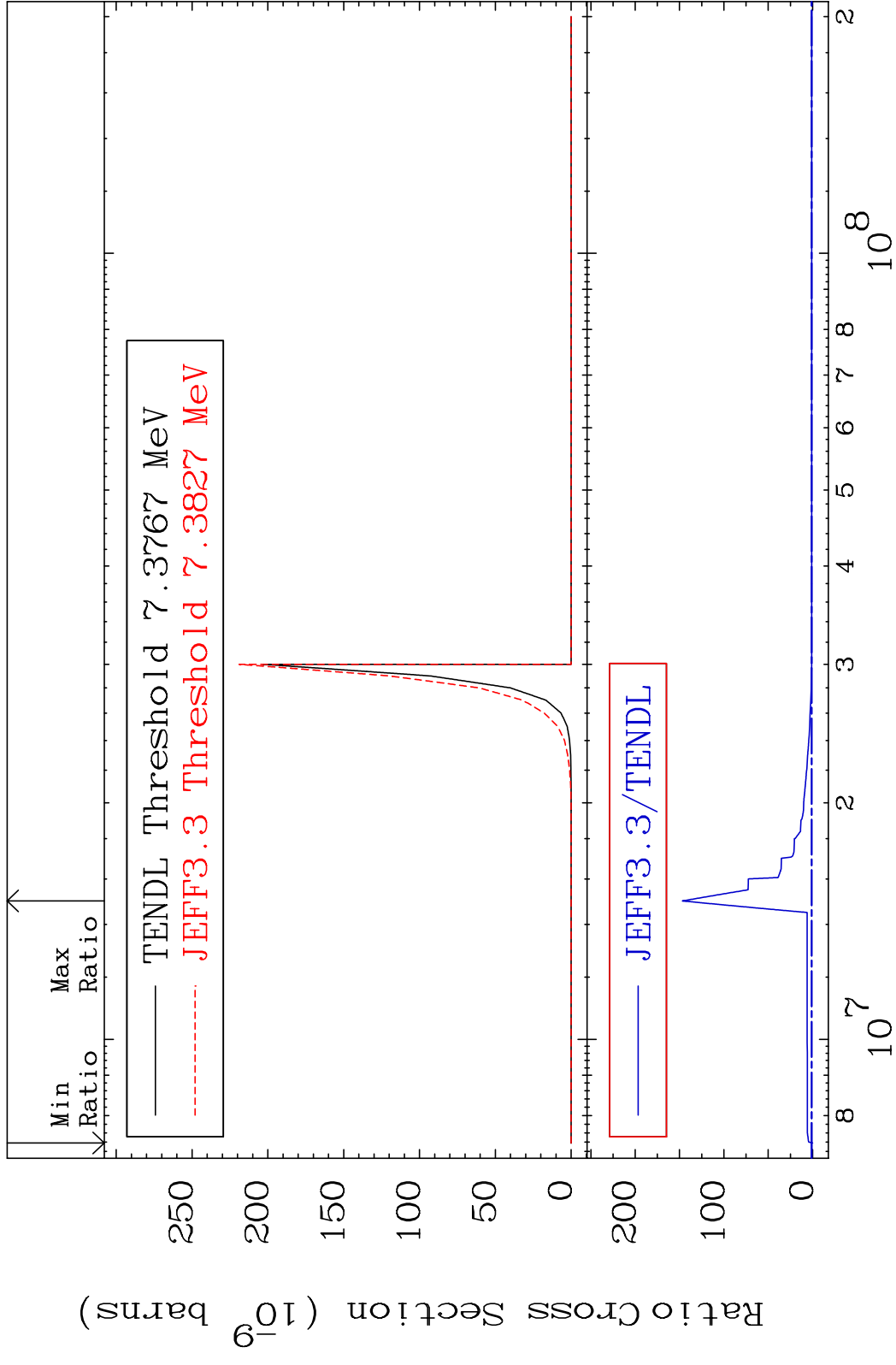
MAT 5225 (n,p) t:50-Sn-117g 52-Te-120
 Radionuclide Production Cross Section 180.0 dth 173.3 %



MAT 5225 (n, p) t:50-Sn-117m2 52-Te-120
 Radionuclide Production Cross Section 180.0 dth 217.8 %



MAT 5225 (n, d) α :49-In-115g 52-Te-120
 Radionuclide Production Cross Section 1800 d to 9999. %



MAT 5225 (n,d) α :49-In-115m1 52-Te-120
 Radionuclide Production Cross Section 384310 7796. %

