

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

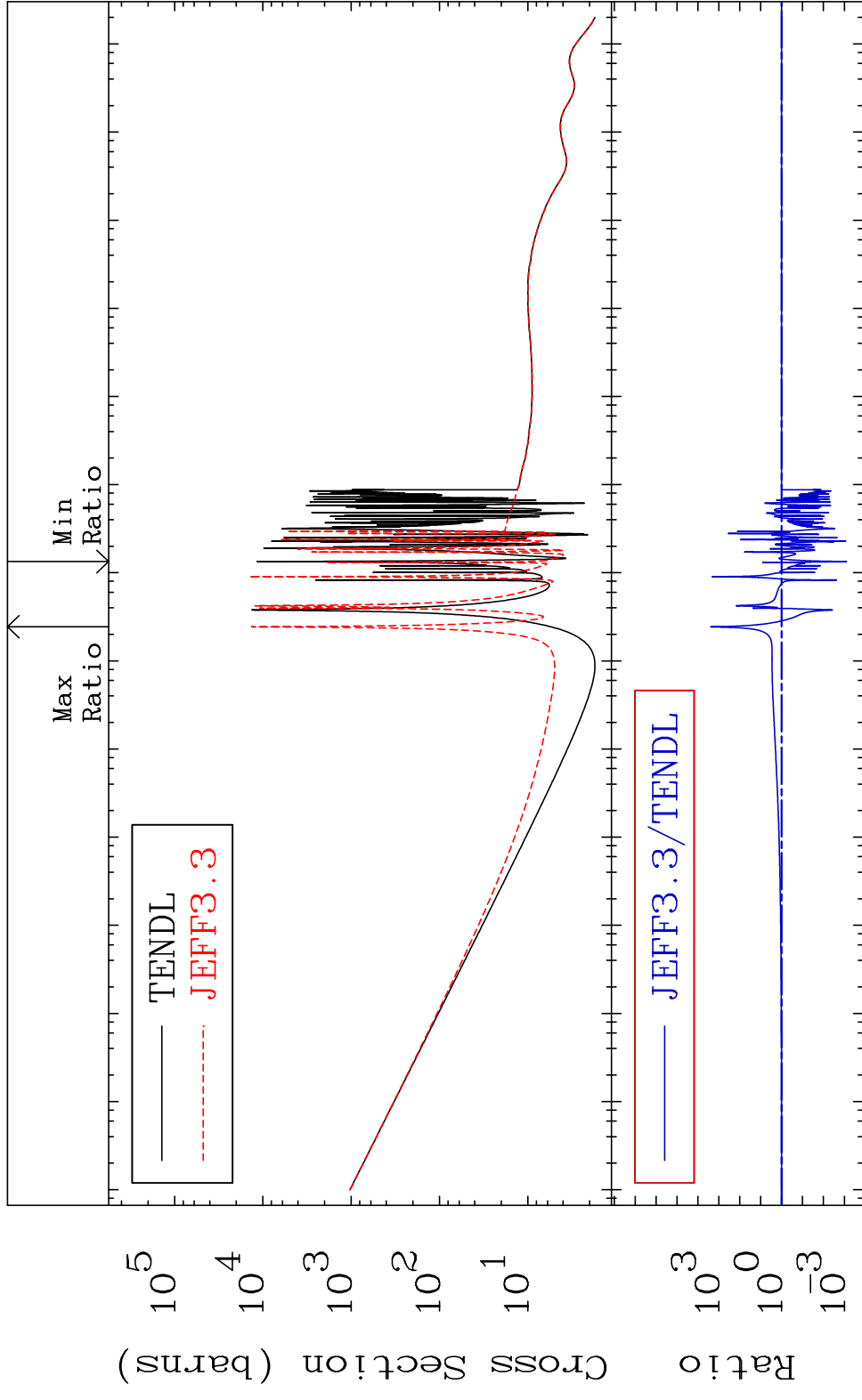
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 4519

Total
Cross Section -99.92 To 9999. %
45-Rh-101



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

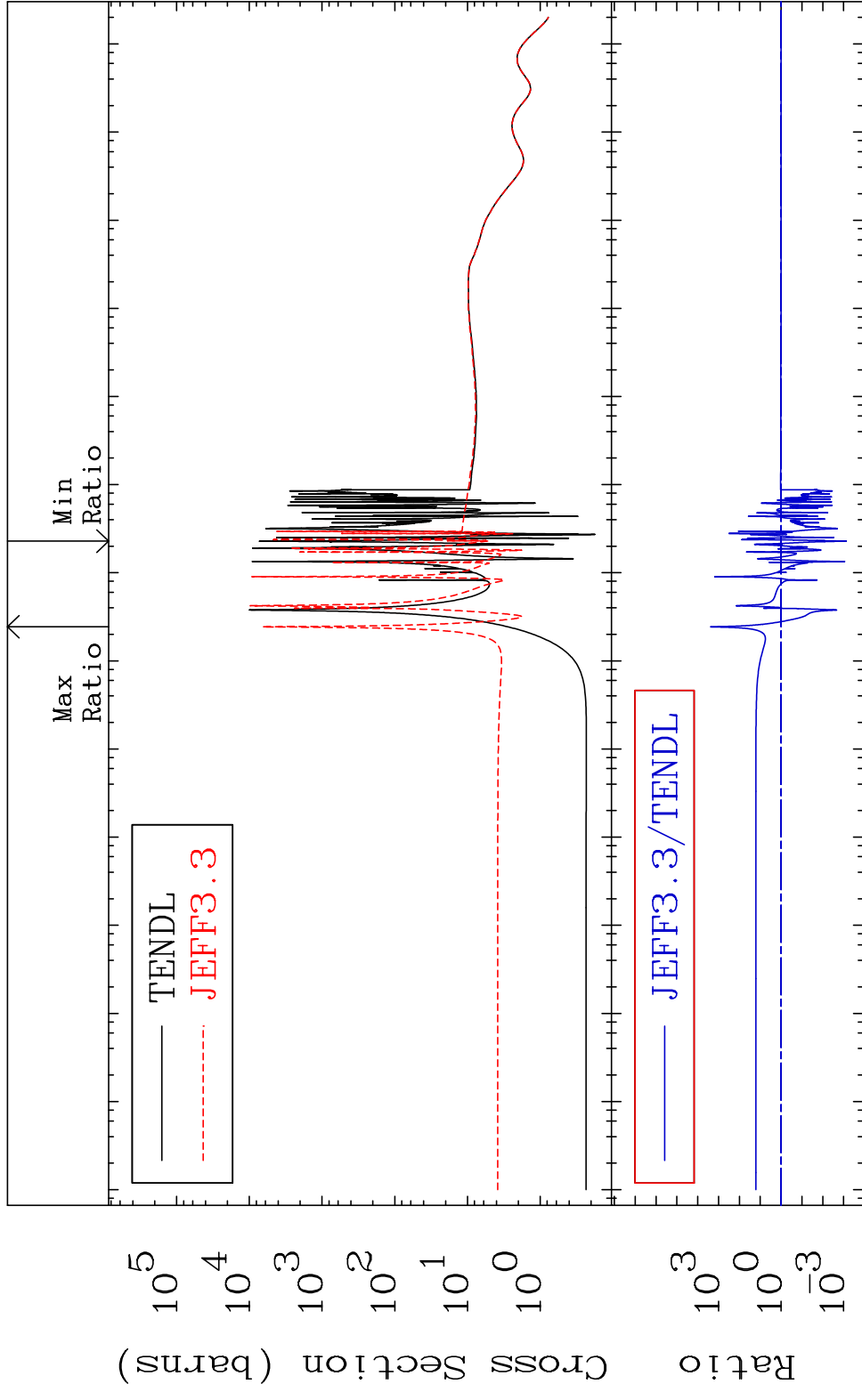
1 Incident Energy (eV) 45-Rh-101

MAT 4519

45-Rh-101

Elastic

Cross Section -99.93 To 9999. %

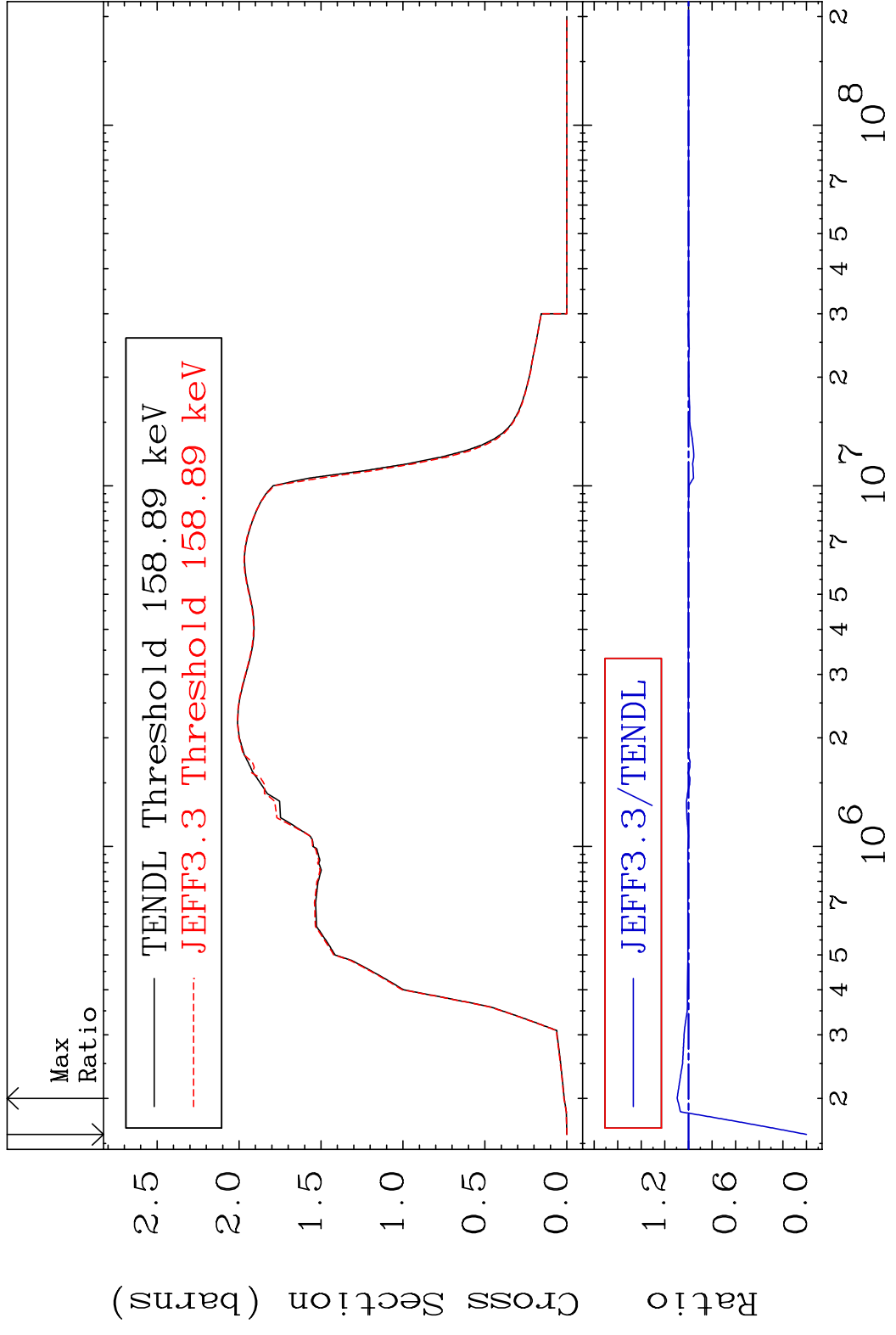


2

Incident Energy (eV)

45-Rh-101

MAT 4519 Inelastic 45-Rh-101
 Cross Section -100.0 To 9.547 %

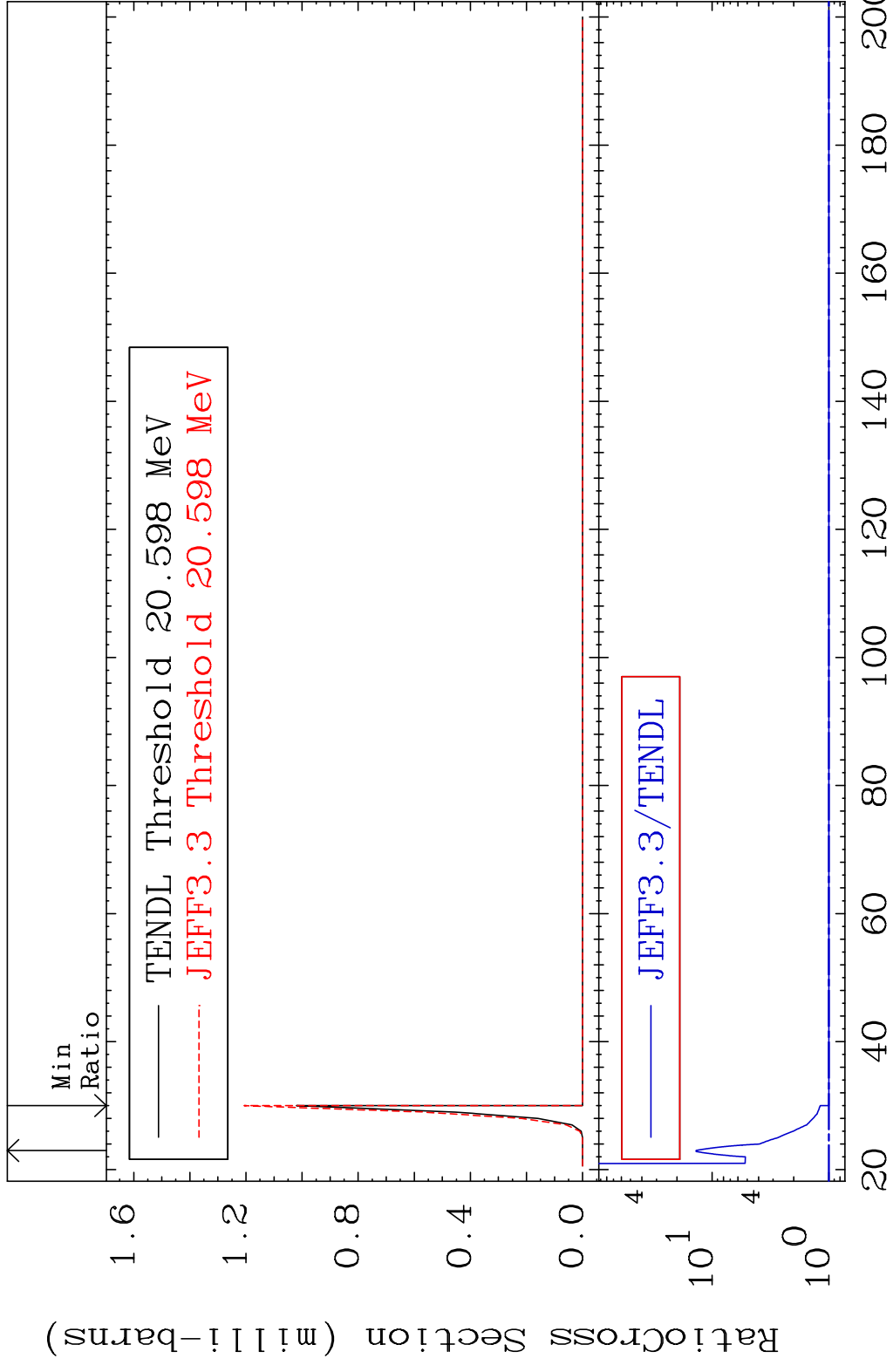


MAT 4519

(n,2n) d

45-Rh-101

Cross Section 0.000 To 1274. %

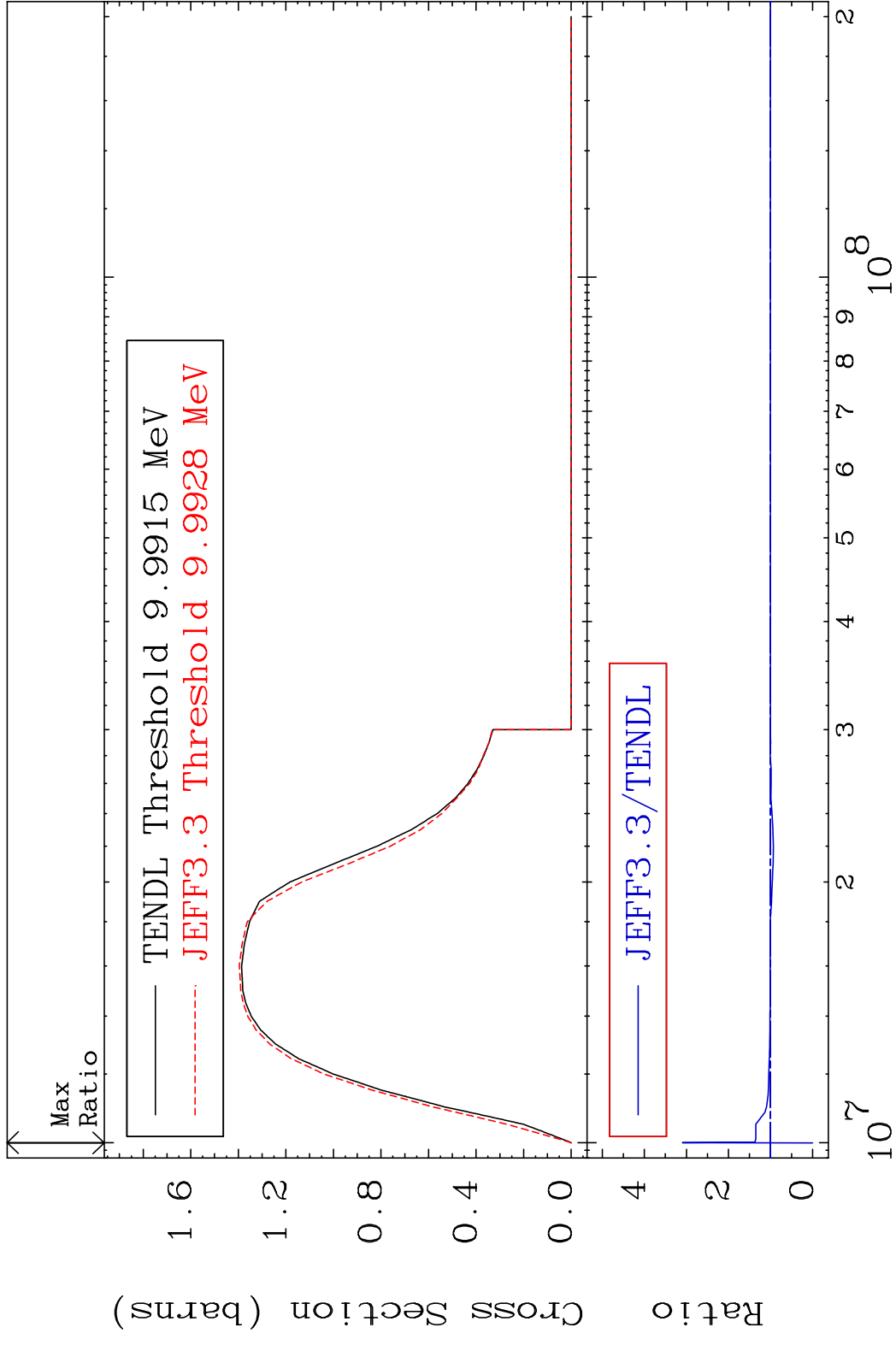


MAT 4519

(n,2n)

45-Rh-101

Cross Section -100.0 To 209.6 %



5

Incident Energy (eV)

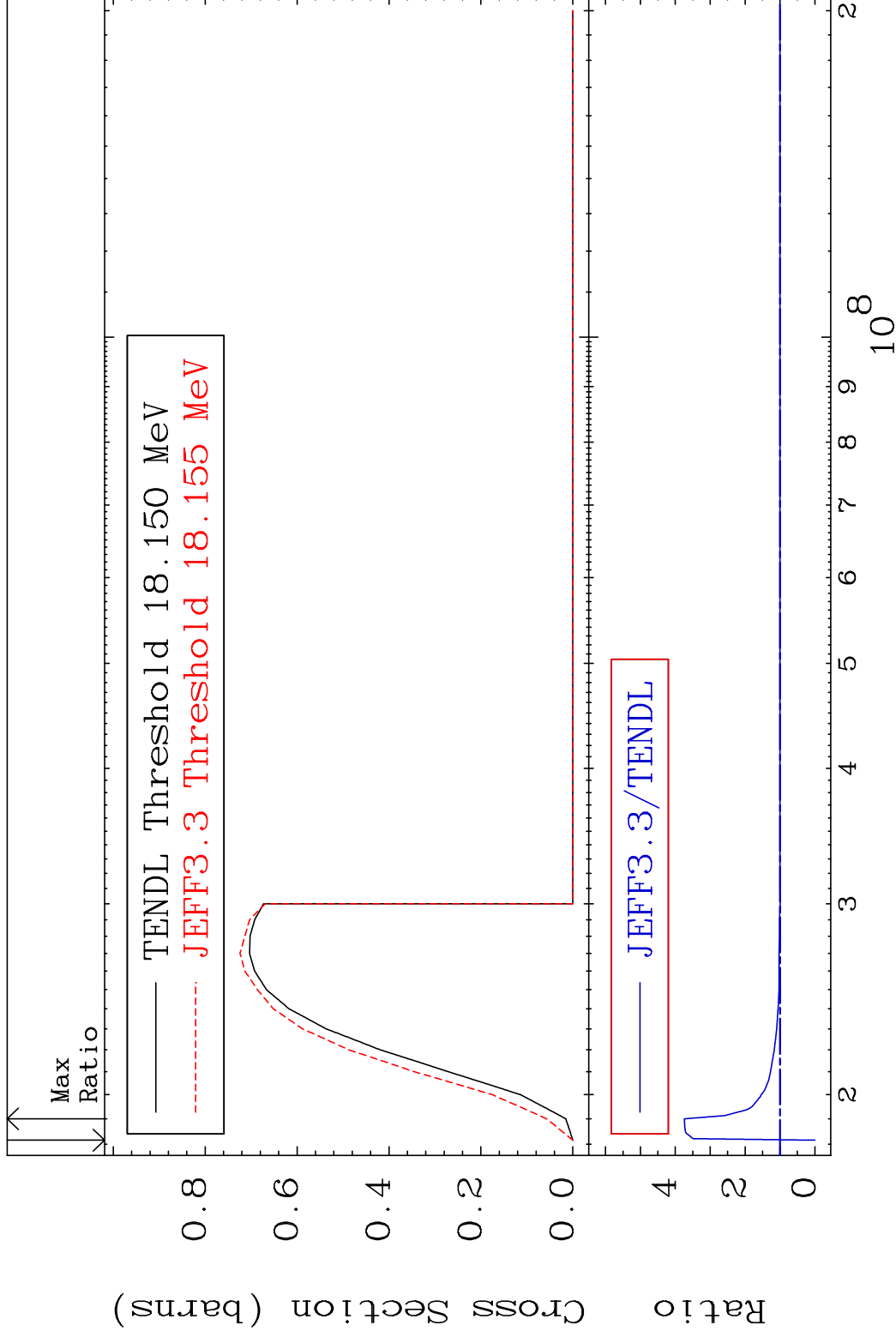
45-Rh-101

MAT 4519

(n,3n)

45-Rh-101

Cross Section -100.0 To 274.2 %

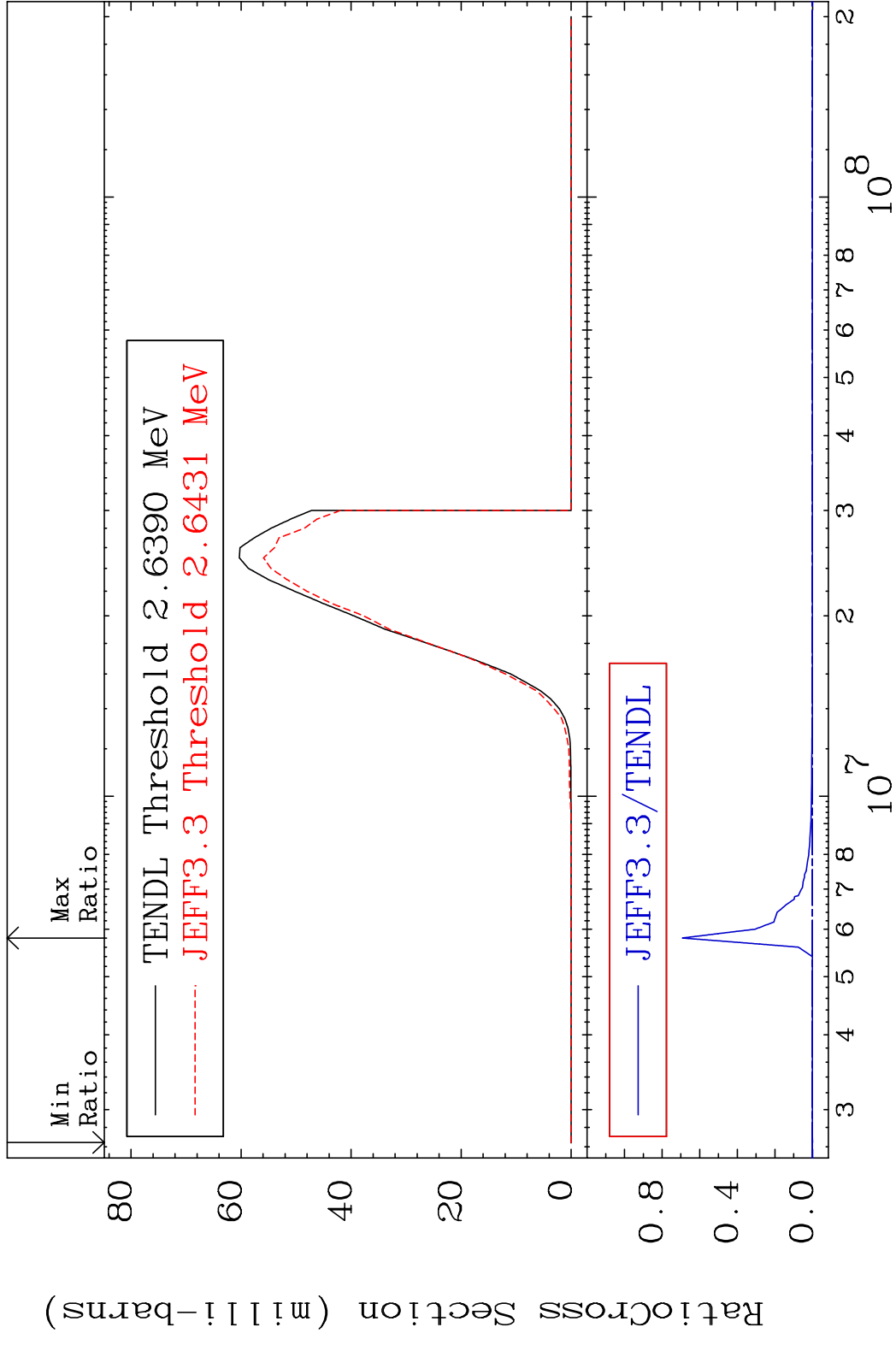


6

Incident Energy (eV)

45-Rh-101

MAT 4519 (n, n') α 45-Rh-101
 Cross Section -100.0 To 9999. %



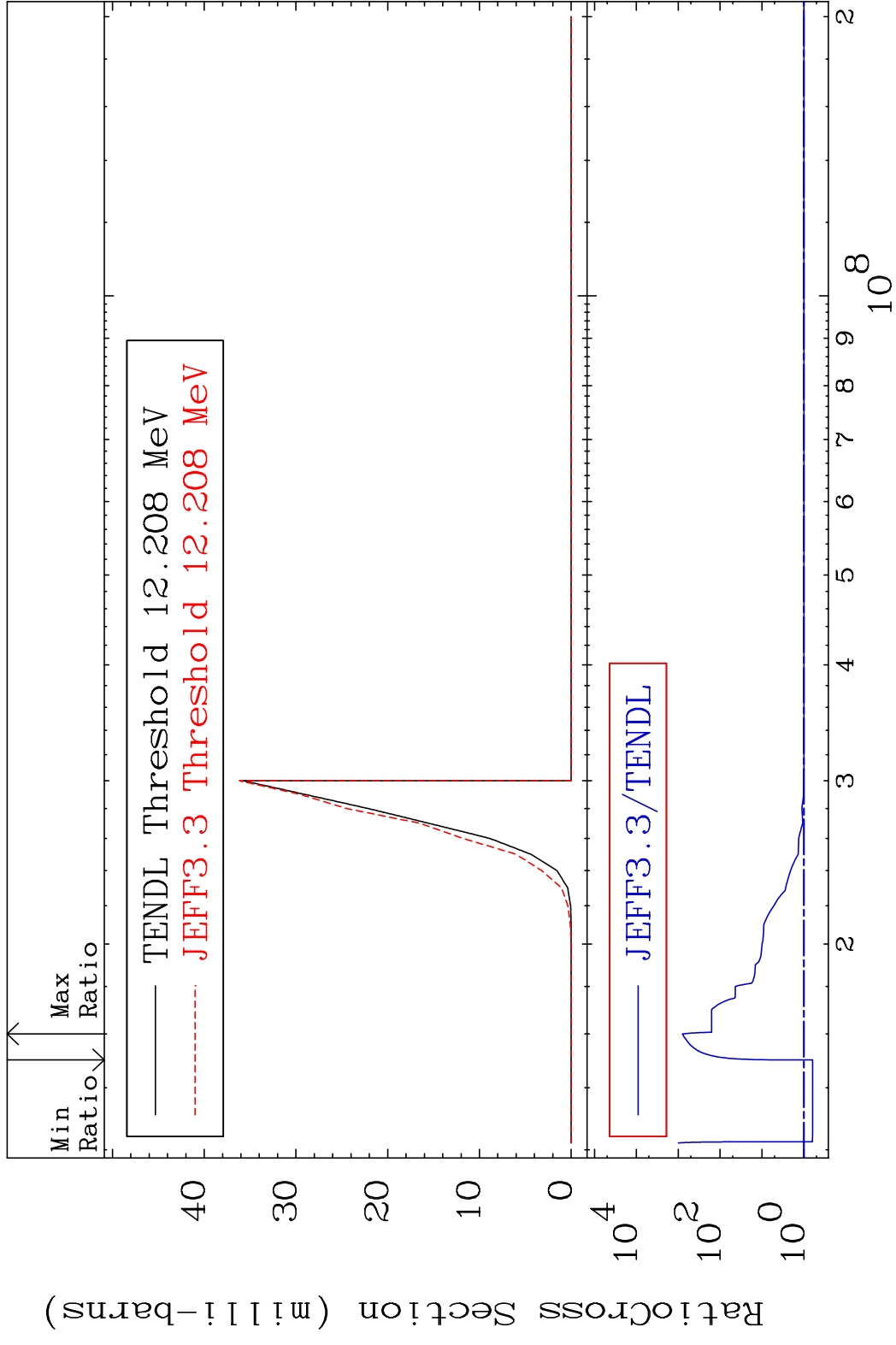
7 7 Incident Energy (eV) 45-Rh-101

MAT 4519

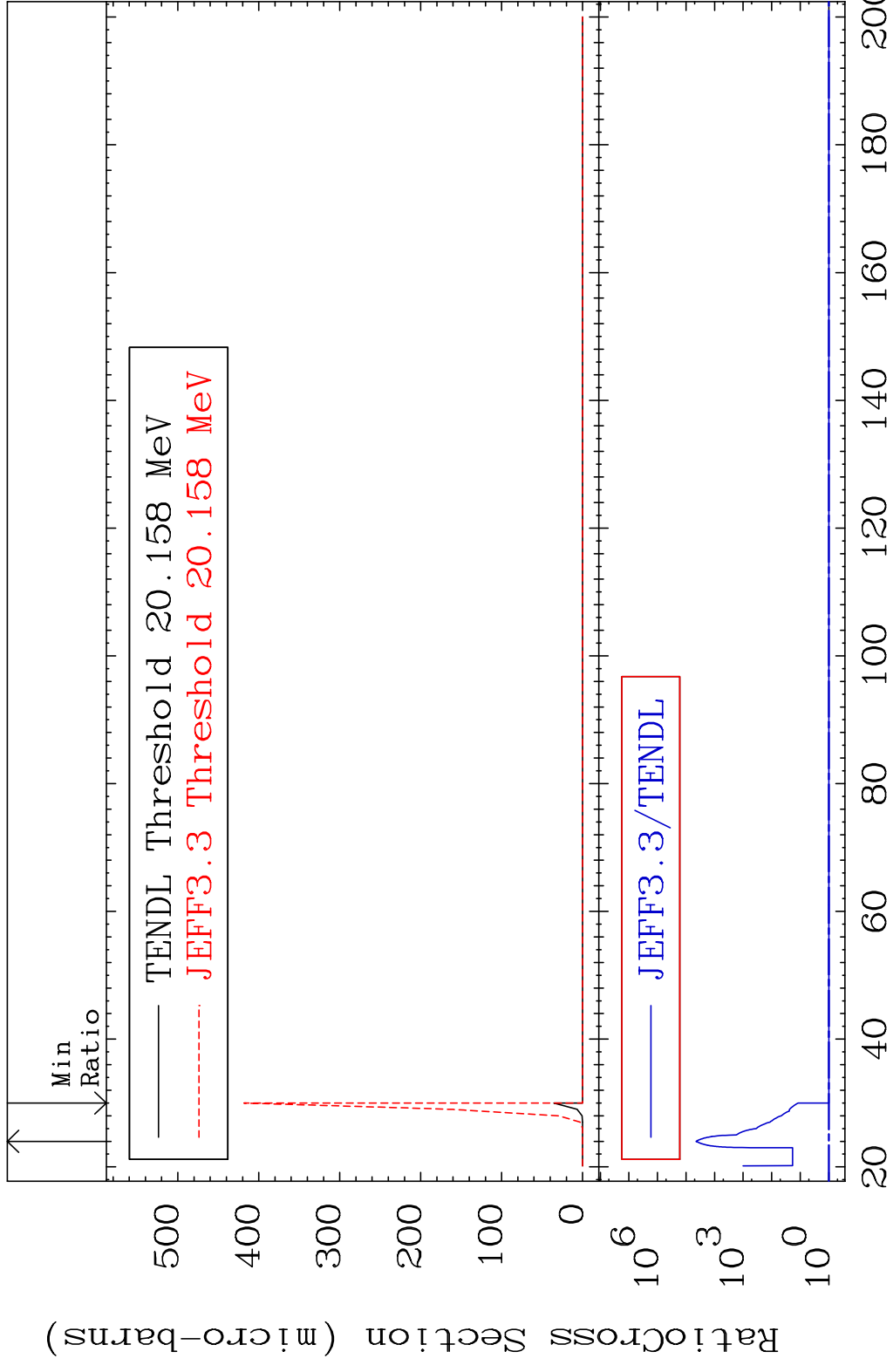
(n,2n) α

45-Rh-101

Cross Section -38.11 To 9999. %



MAT 4519 (n,3n) α 45-Rh-101
 Cross Section 0.000 To 9999. %

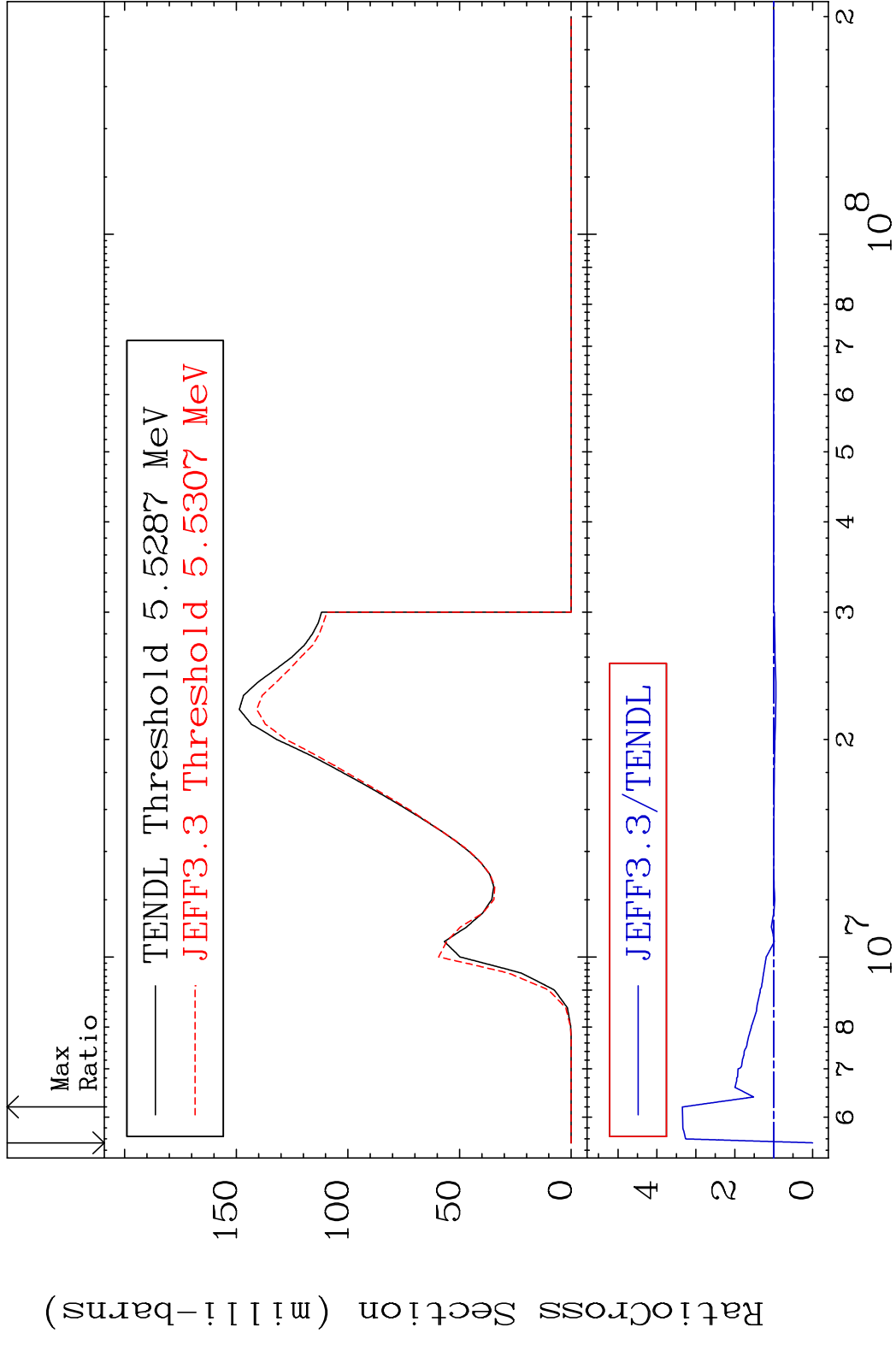


MAT 4519

(n, n') p

45-Rh-101

Cross Section -100.0 To 234.7 %

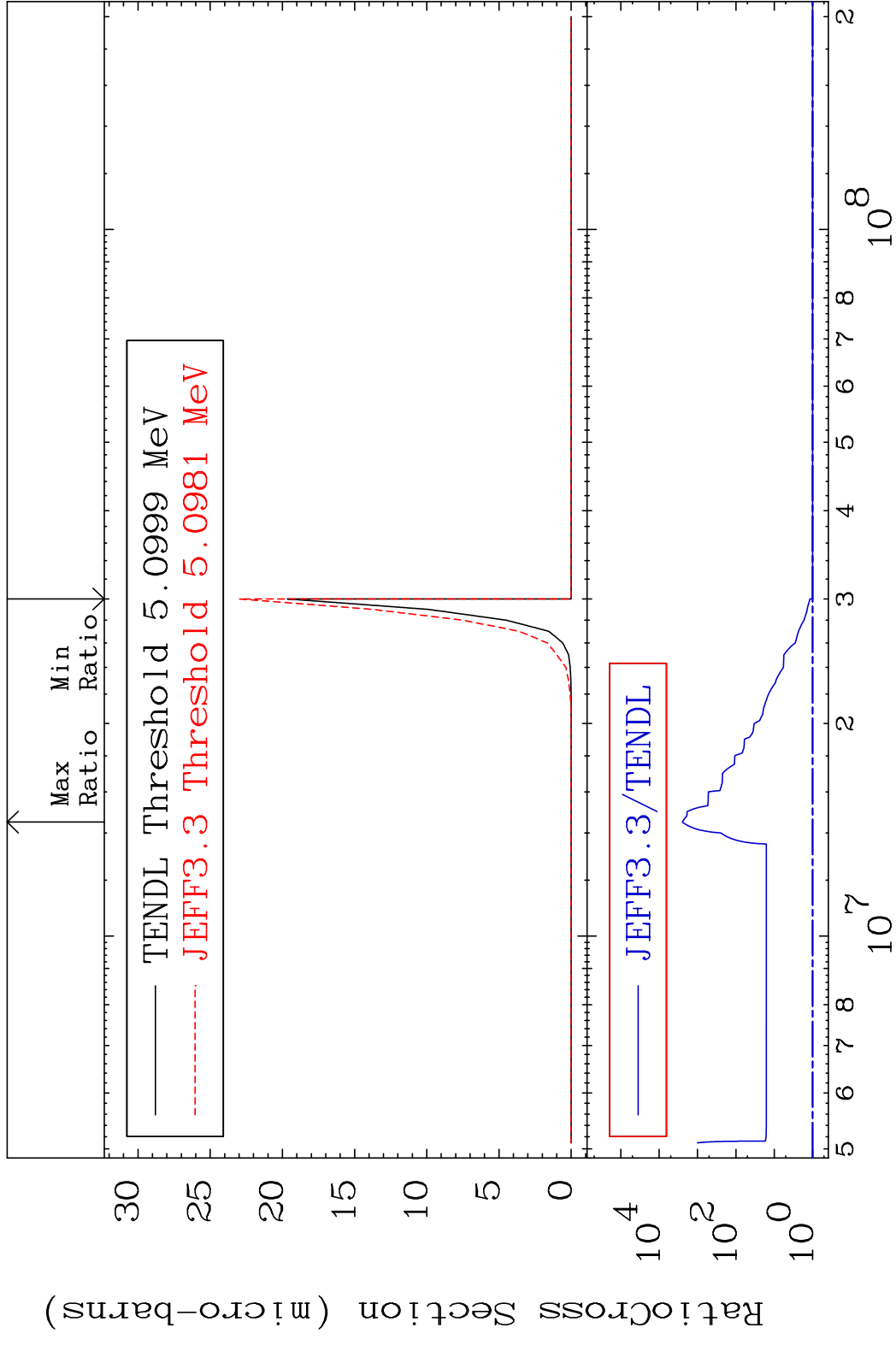


10

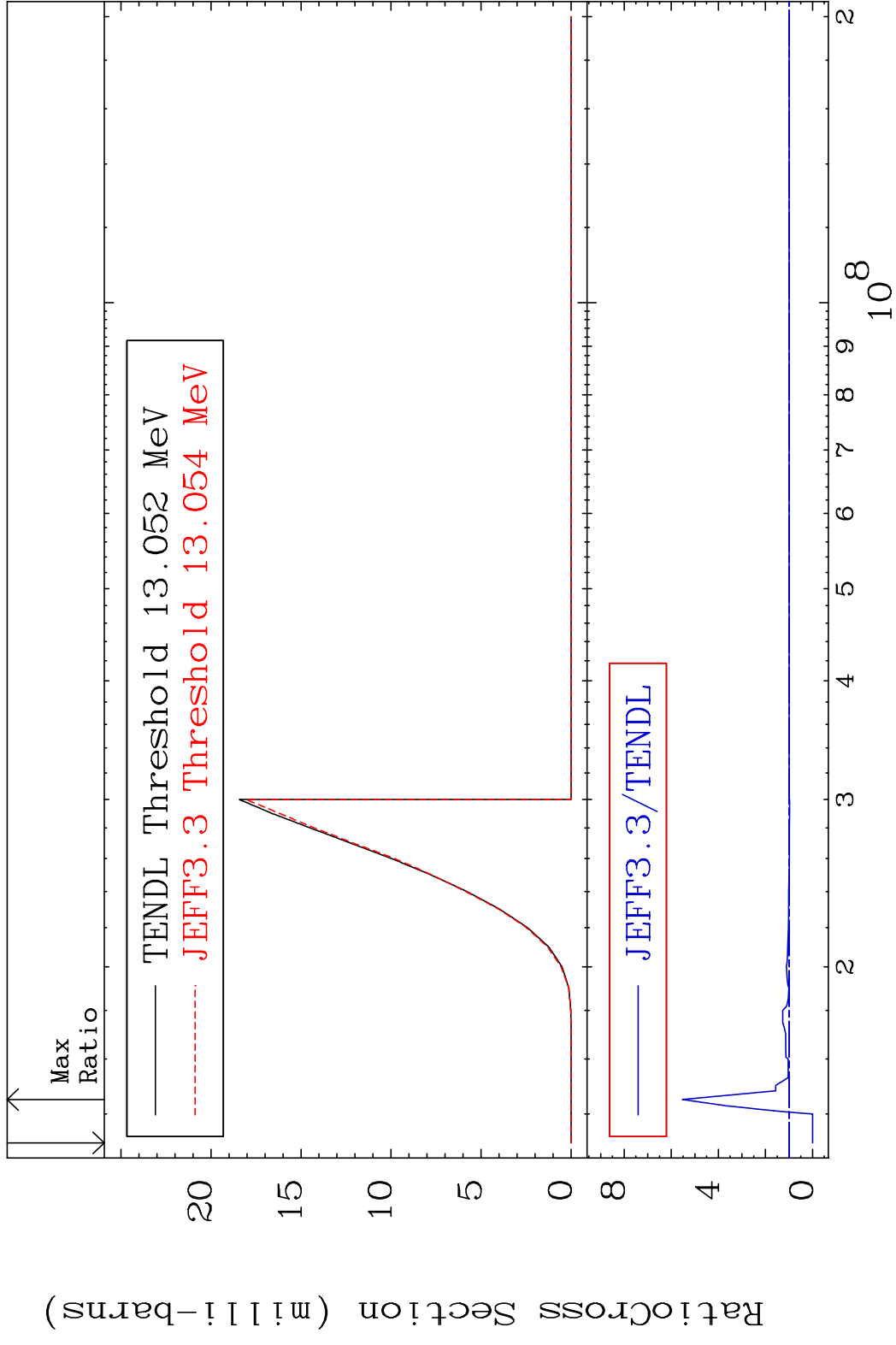
Incident Energy (eV)

45-Rh-101

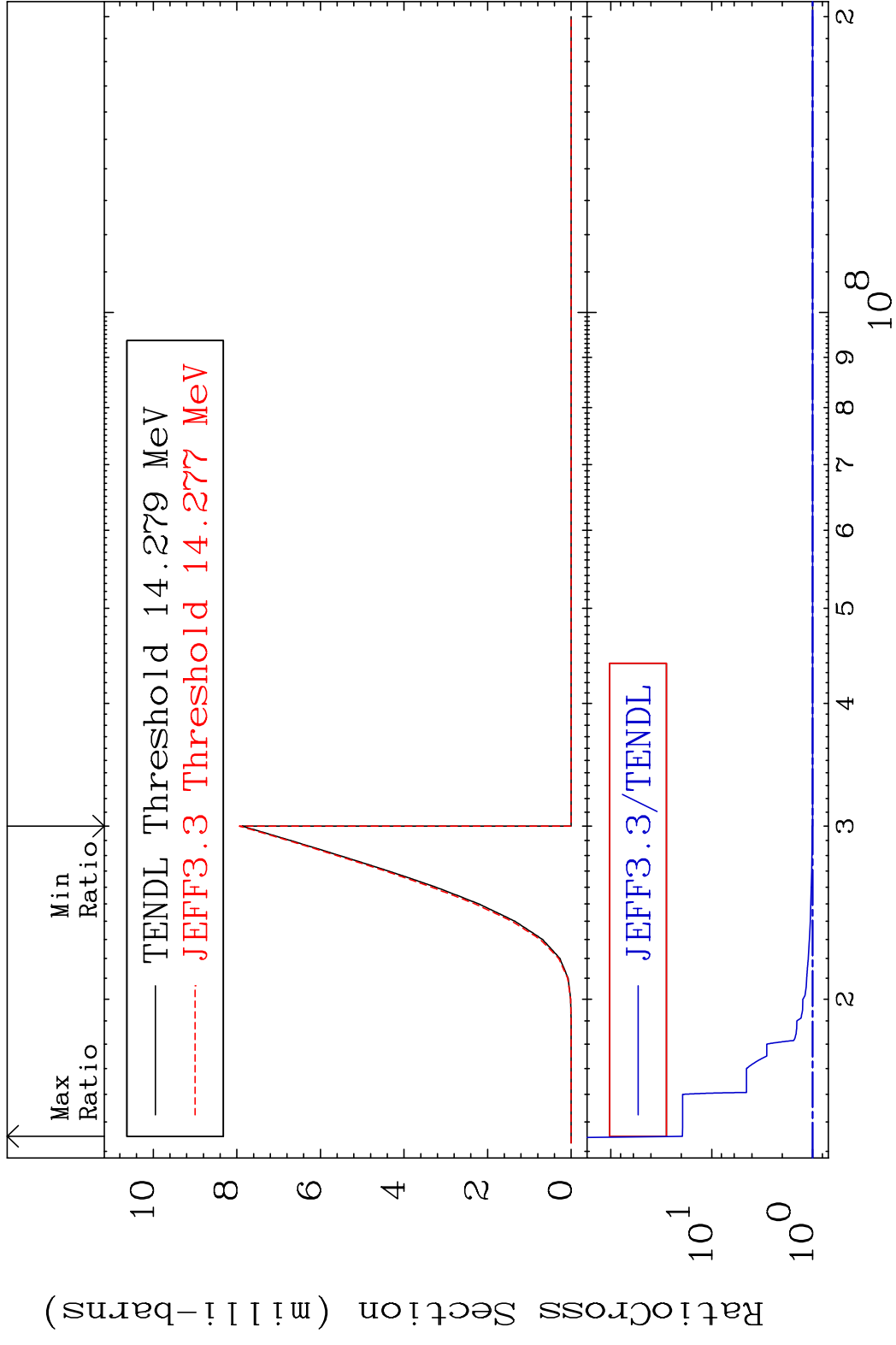
MAT 4519 (n, n') 2α 45-Rh-101
 Cross Section 0.000 To 9999. %



MAT 4519 (n, n') d 45-Rh-101
 Cross Section -100.0 To 453.0 %



MAT 4519 (n, n') t 45-Rh-101
 Cross Section 0.000 To 1855. %



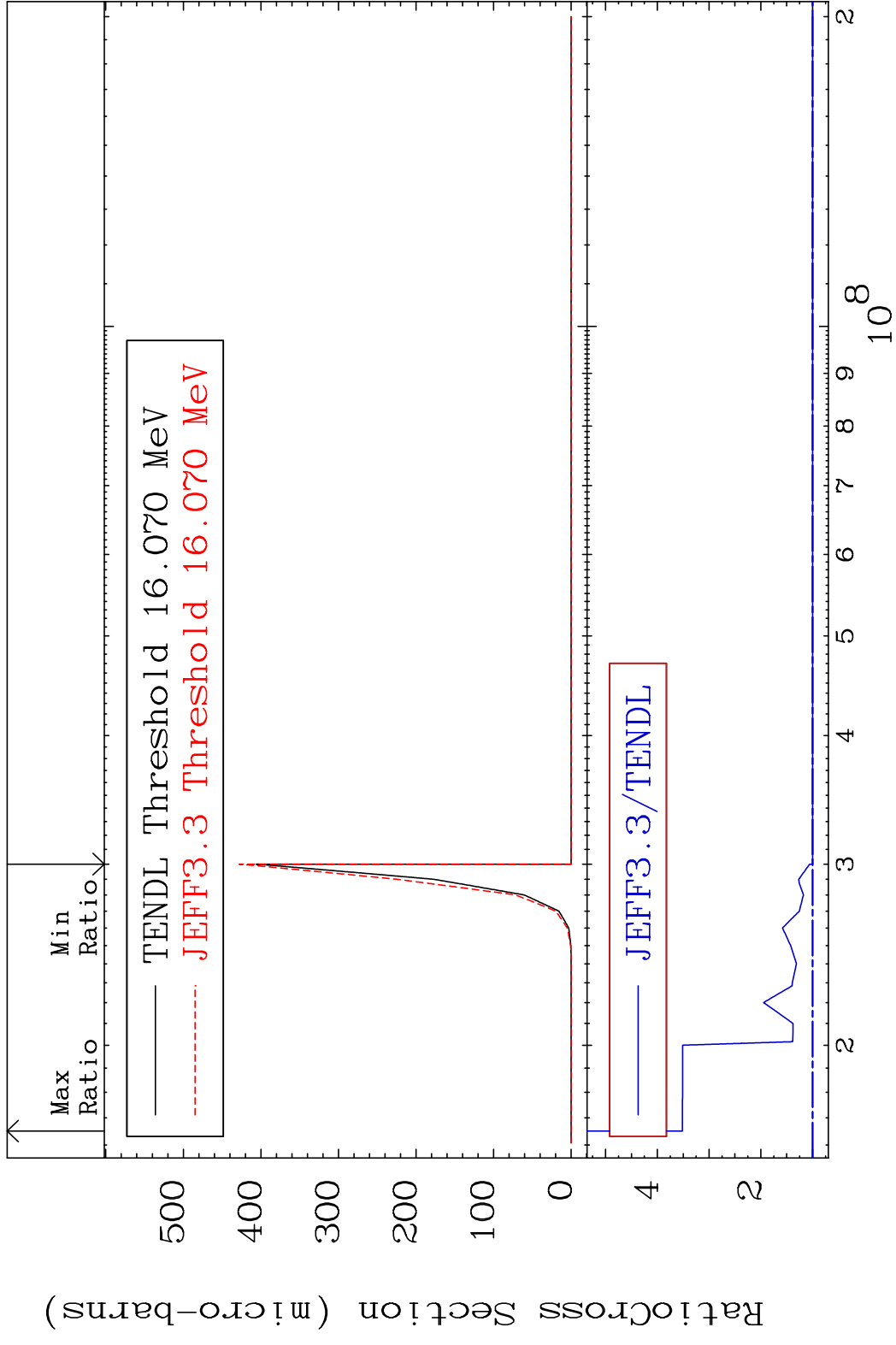
MAT 4519

(n,n') He-3

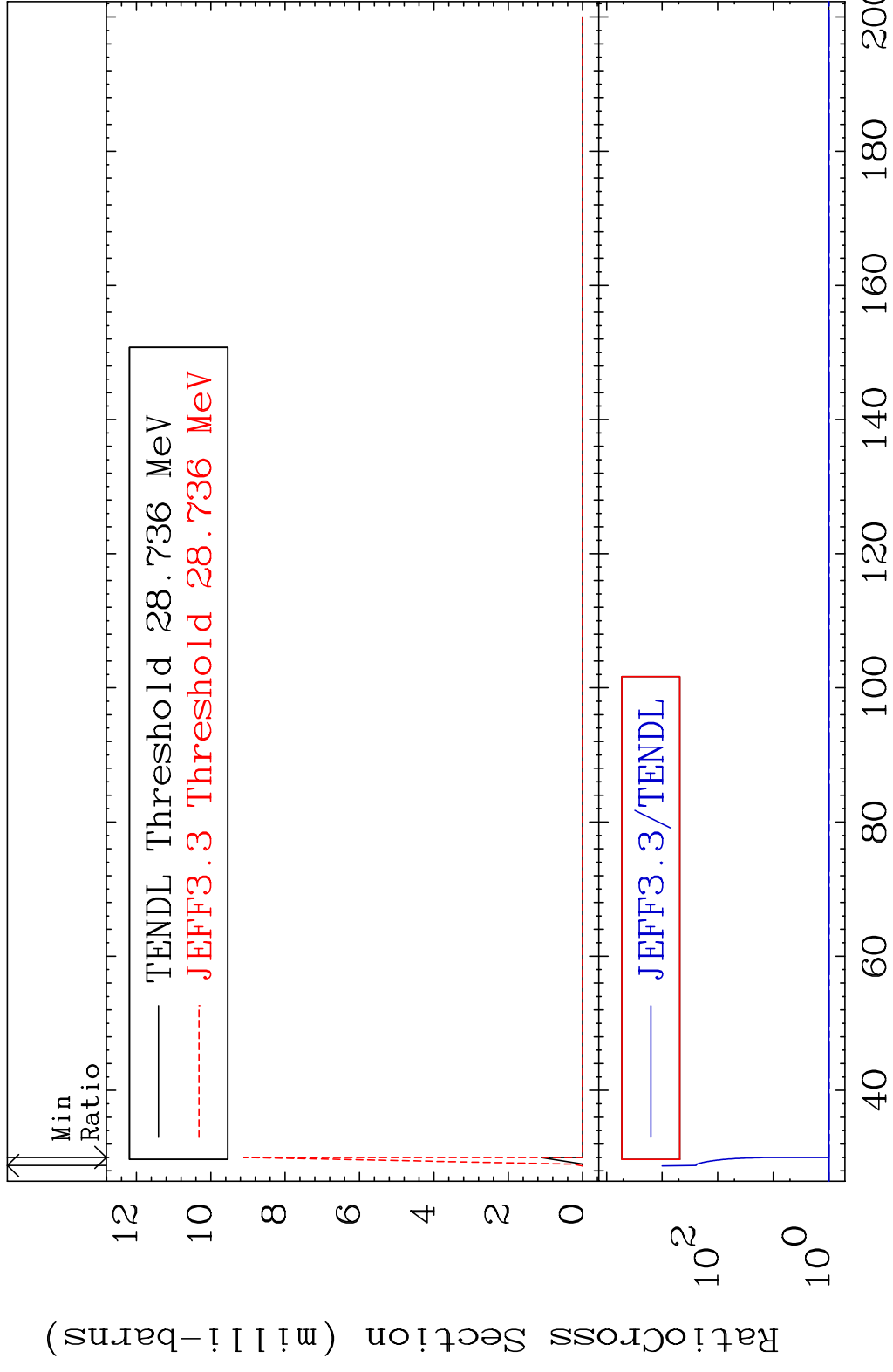
45-Rh-101

Cross Section 0.000

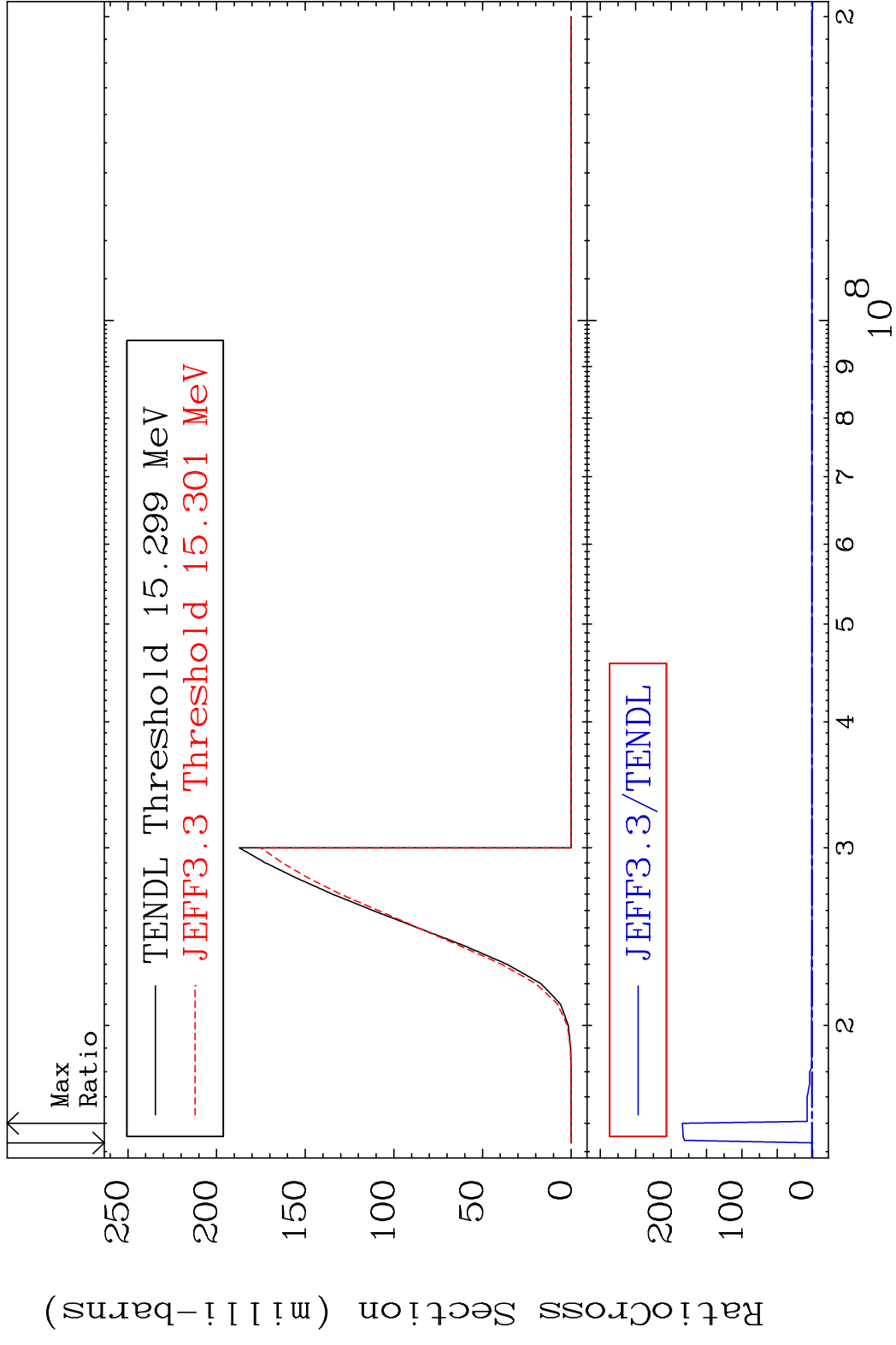
To 251.6 %



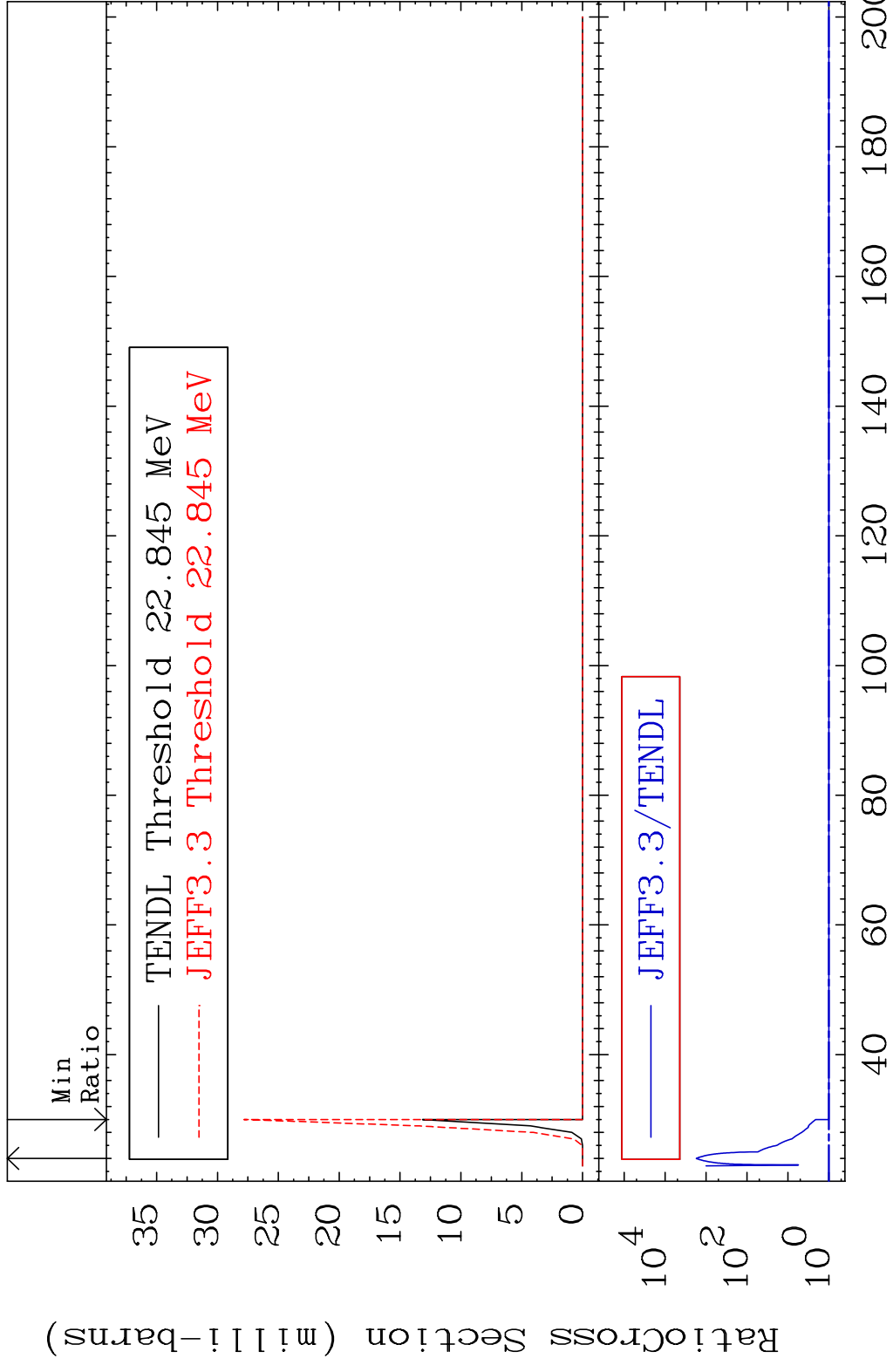
MAT 4519 (n,4n) 45-Rh-101
 Cross Section 0.000 To 9999. %



MAT 4519 (n,2n) p 45-Rh-101
 Cross Section -100.0 To 9999. %



MAT 4519 (n,3n) p 45-Rh-101
 Cross Section 0.000 To 9999. %

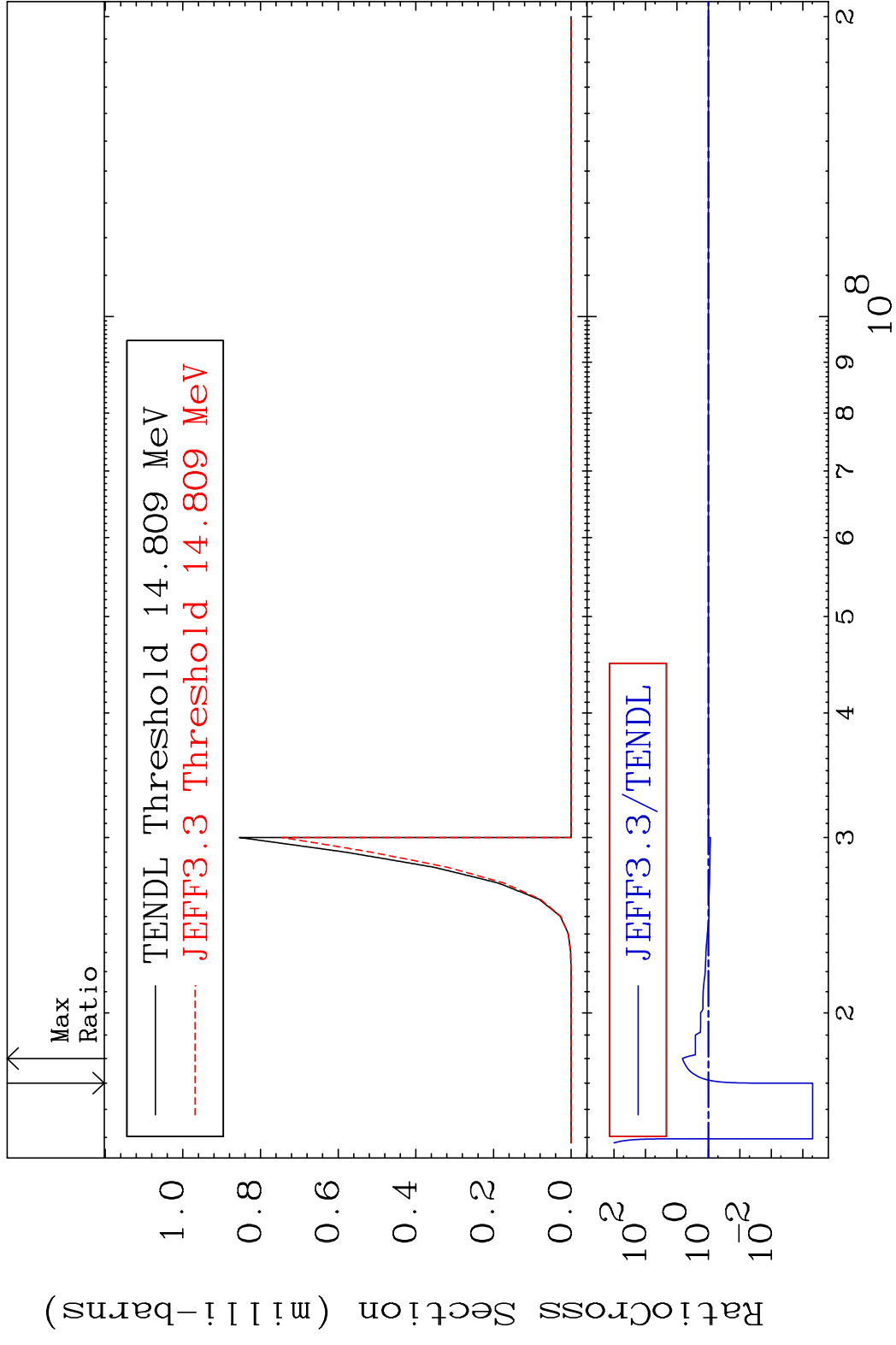


MAT 4519

(n,2n) p

45-Rh-101

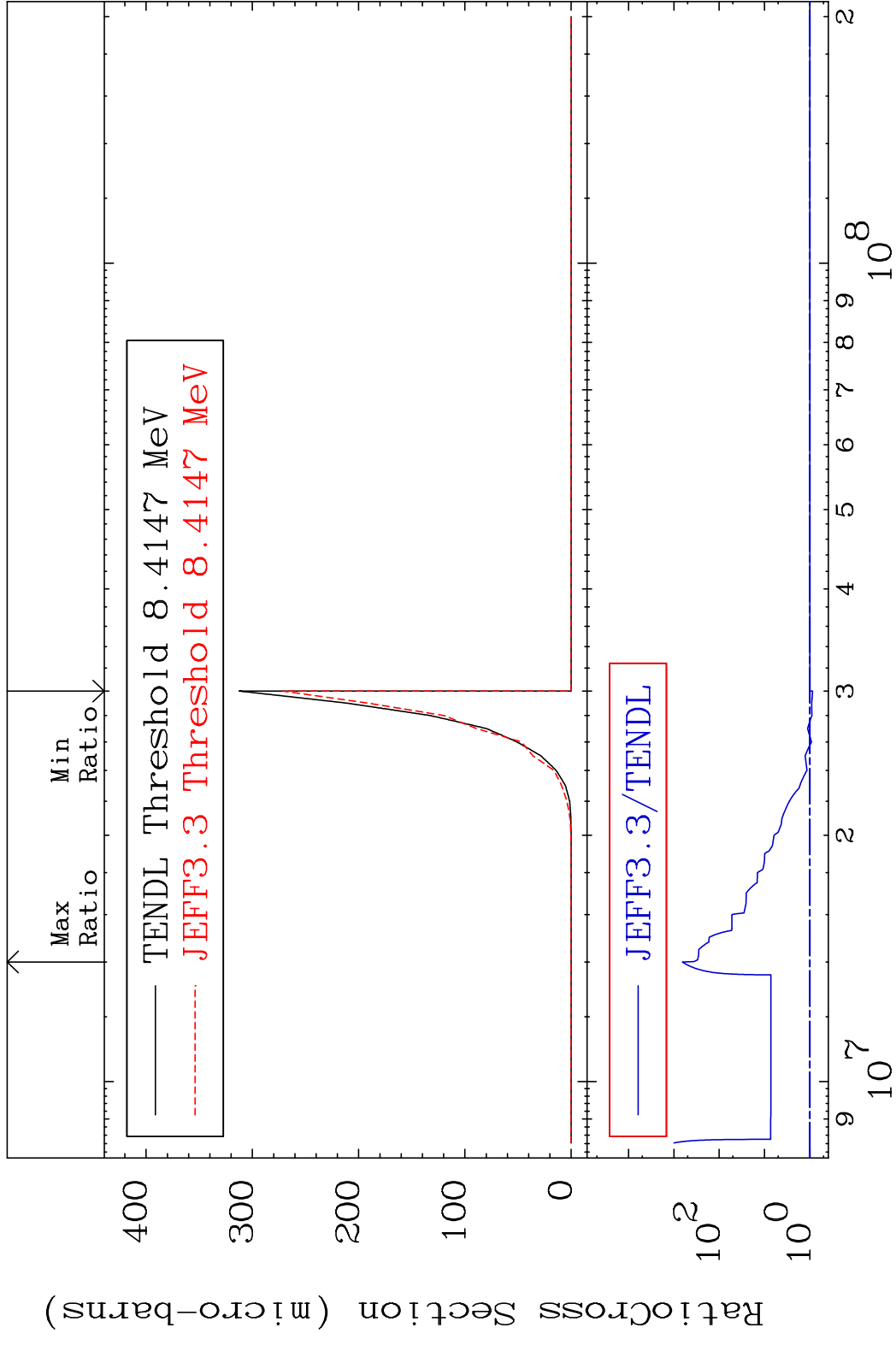
Cross Section -99.95 To 575.0 %



MAT 4519

(n, n') p α
Cross Section -12.98 To 9999. %

45-Rh-101

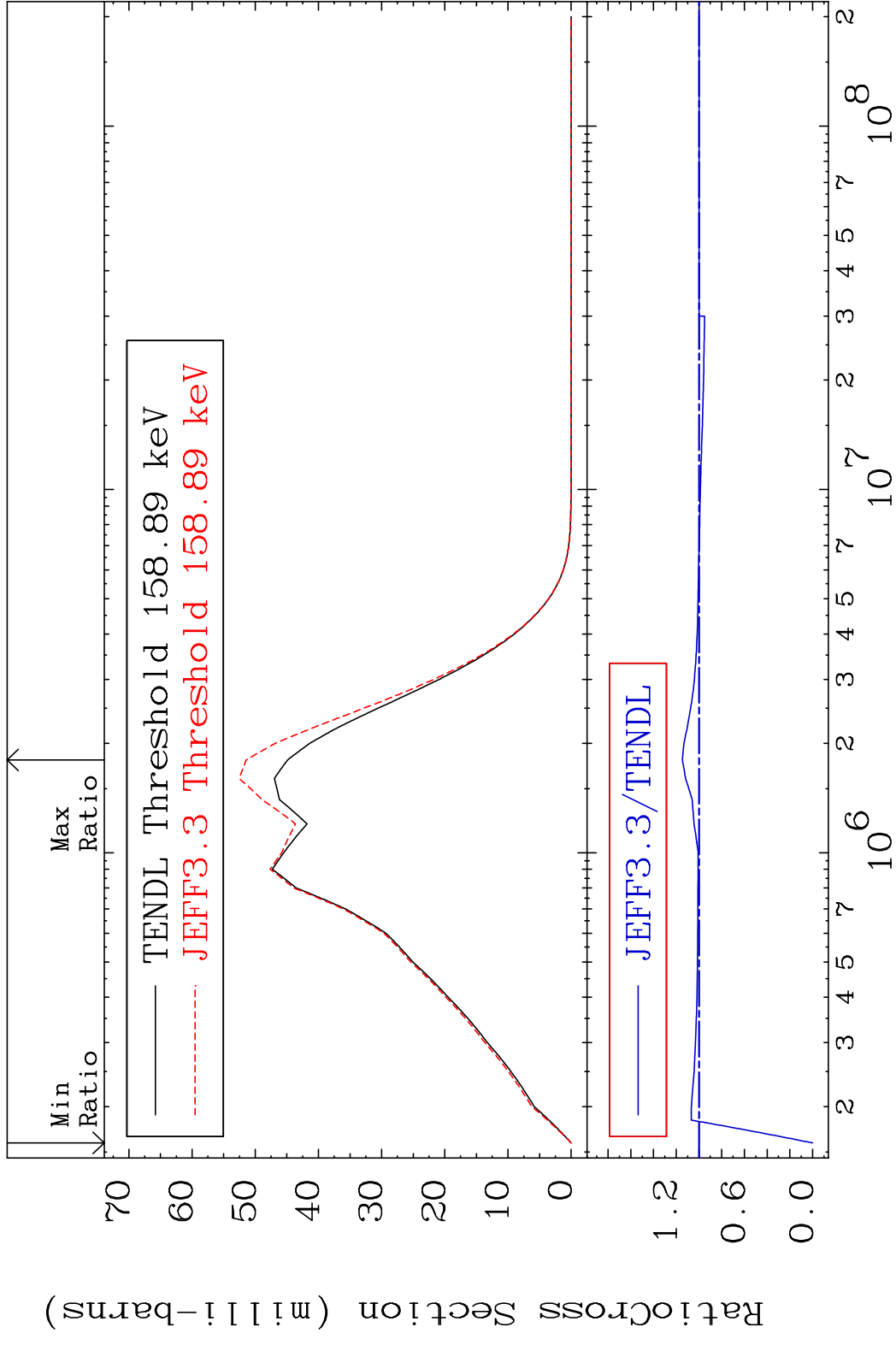


19

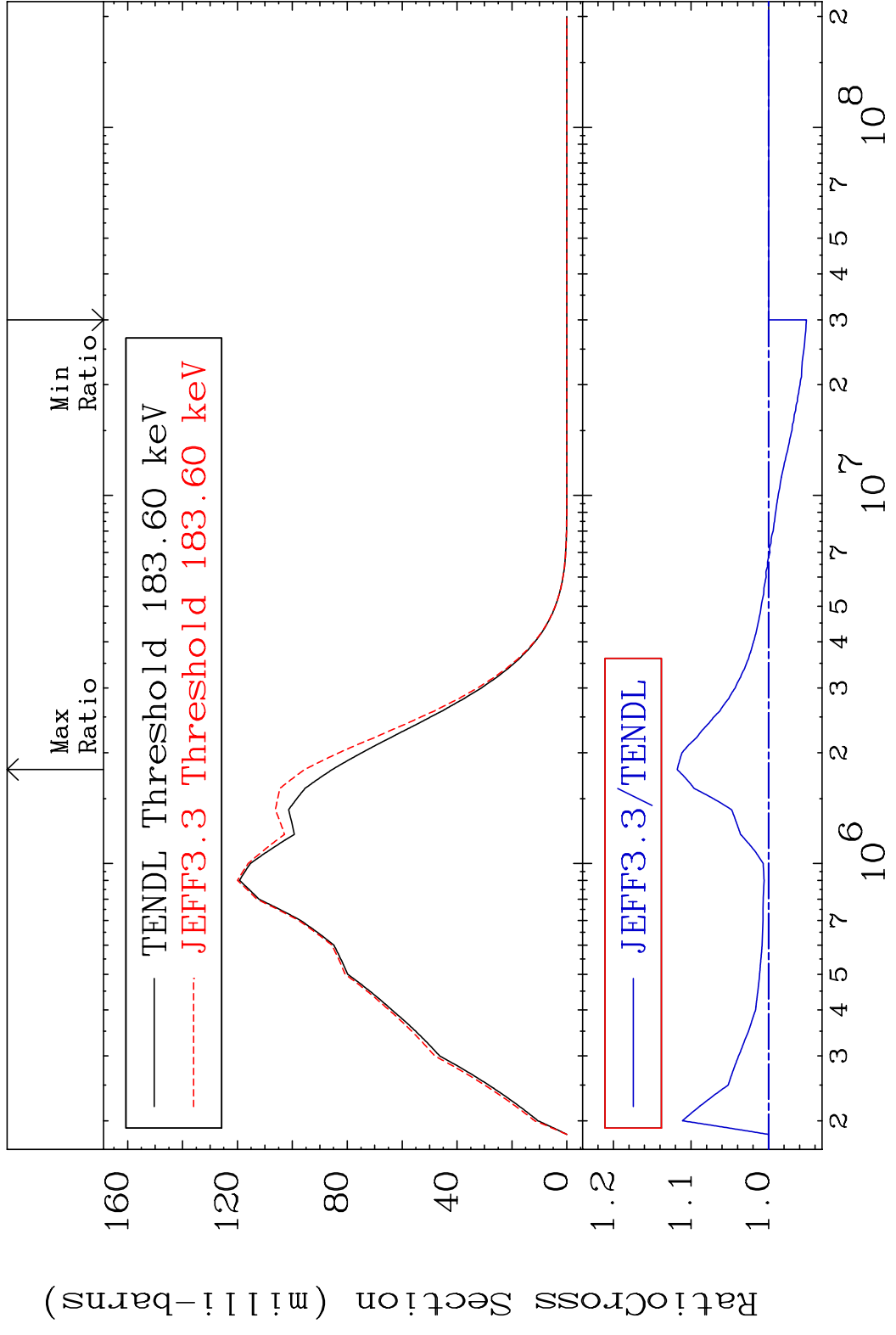
Incident Energy (eV)

45-Rh-101

MAT 4519 MT= 51 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 14.61 %



MAT 4519 MT= 52 (n, n') Level 45-Rh-101
 Cross Section -4.876 To 11.79 %

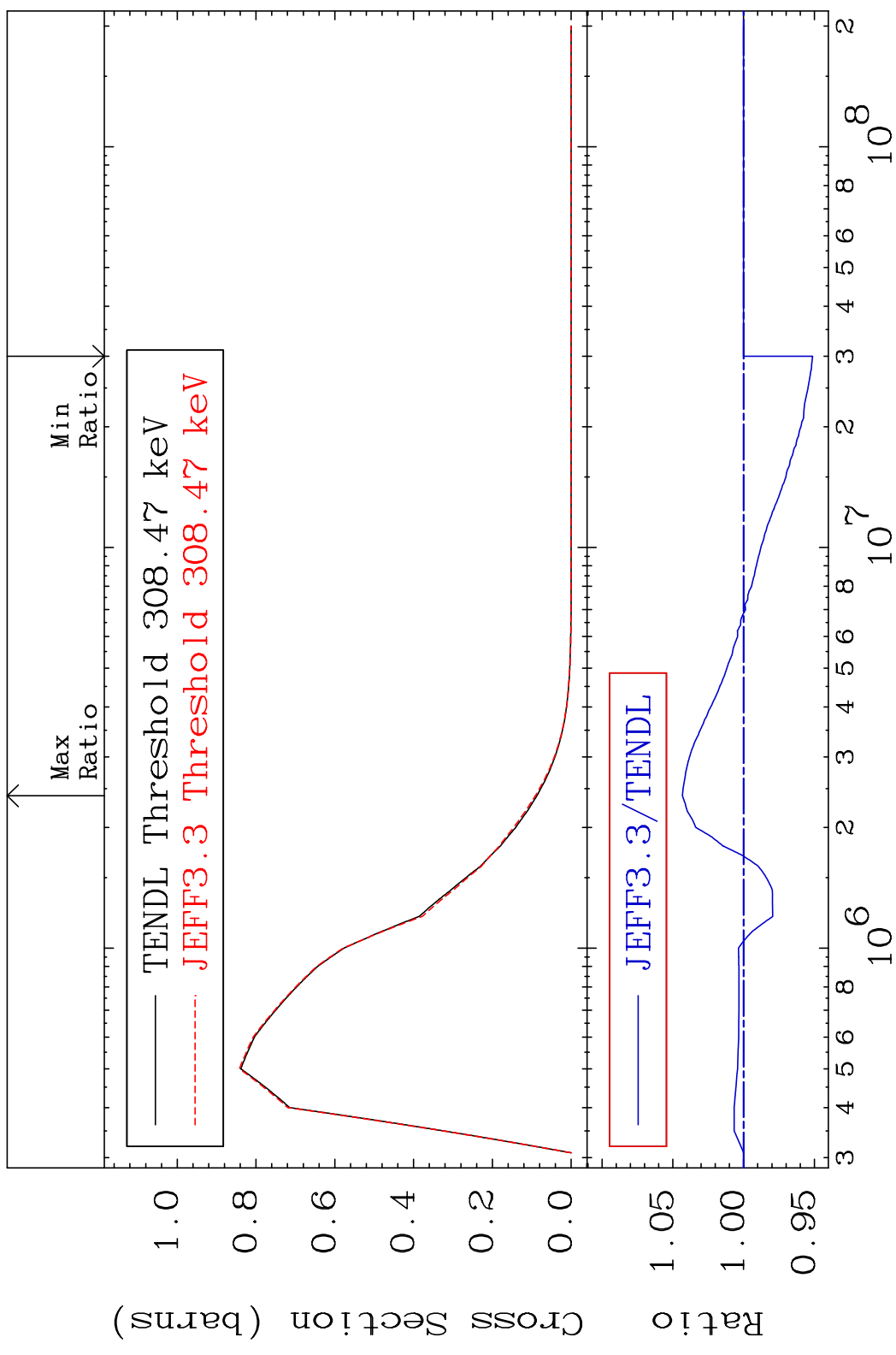


MAT 4519

MT= 53 (n, n') Level

45-Rh-101

Cross Section -4.873 To 4.329 %

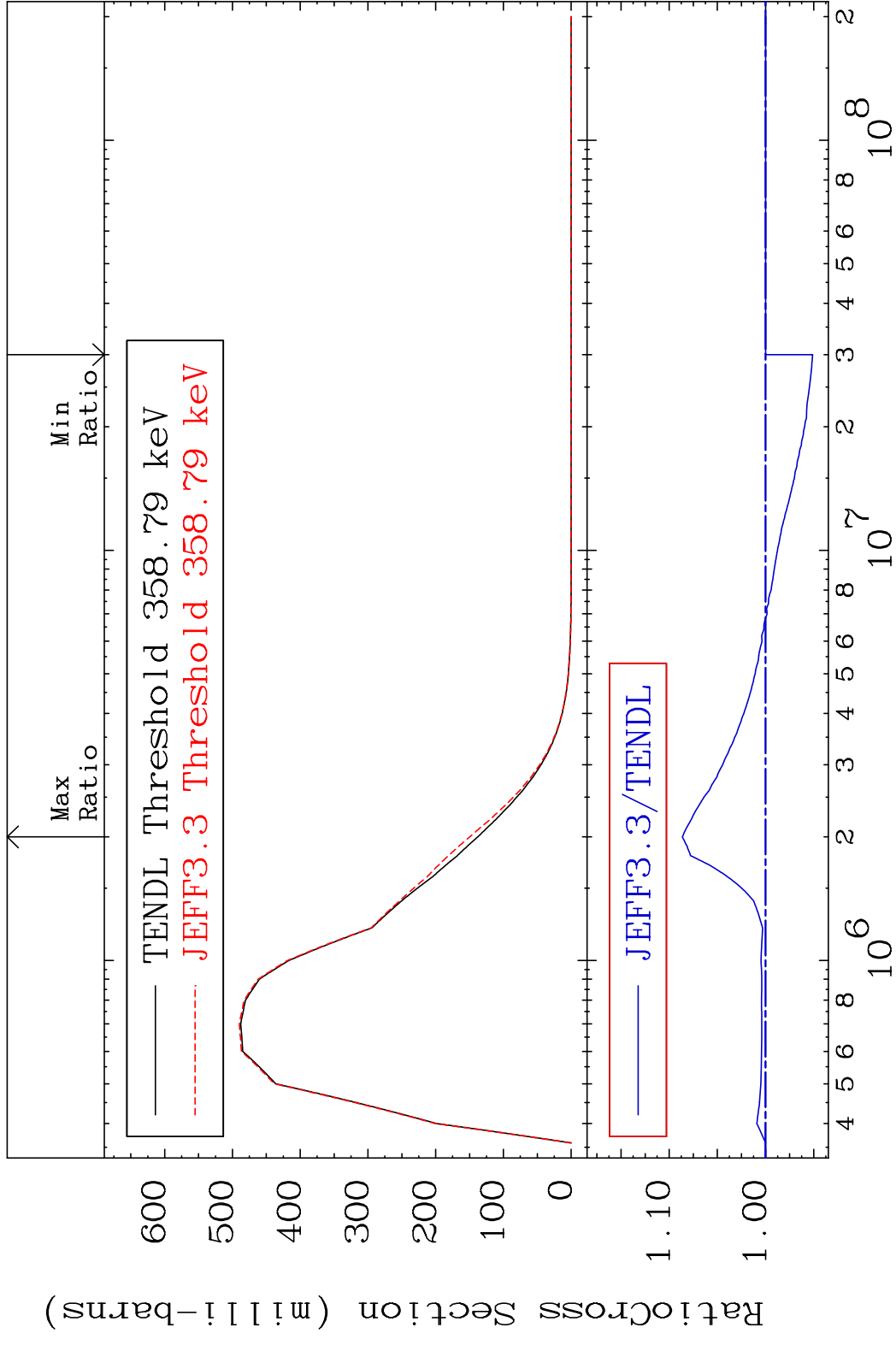


MAT 4519

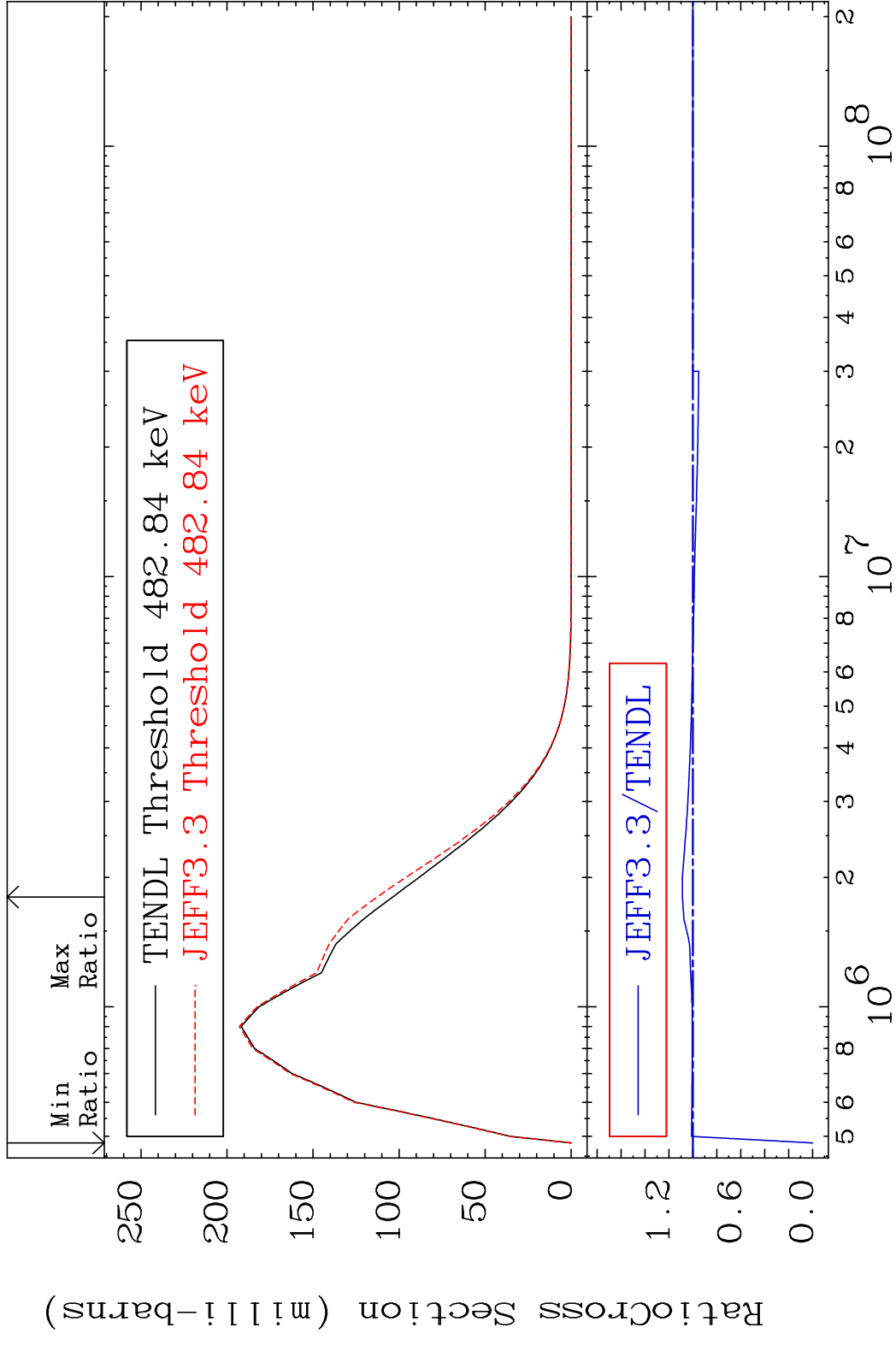
MT= 54 (n,n') Level

45-Rh-101

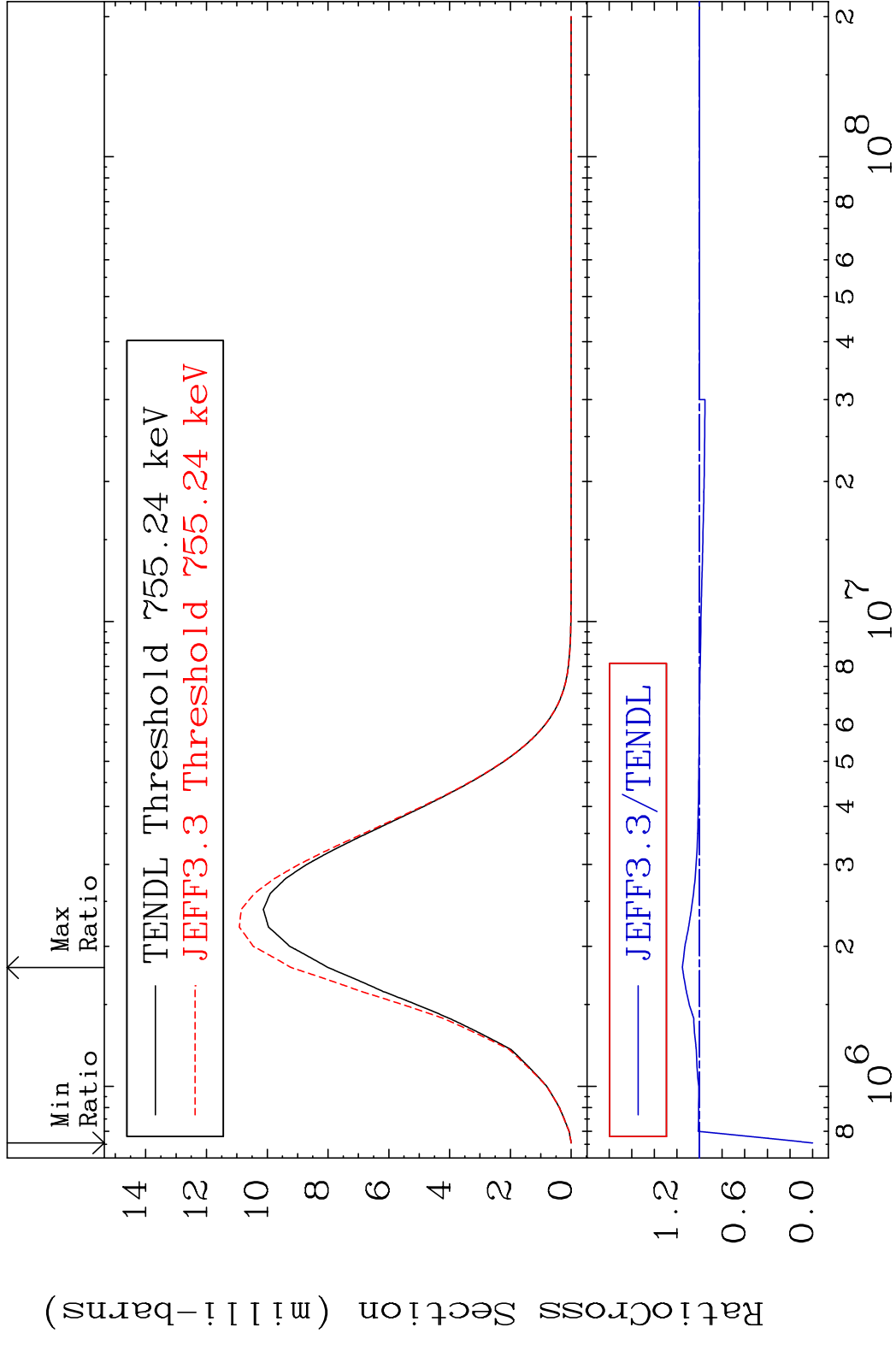
Cross Section -4.874 To 8.636 %



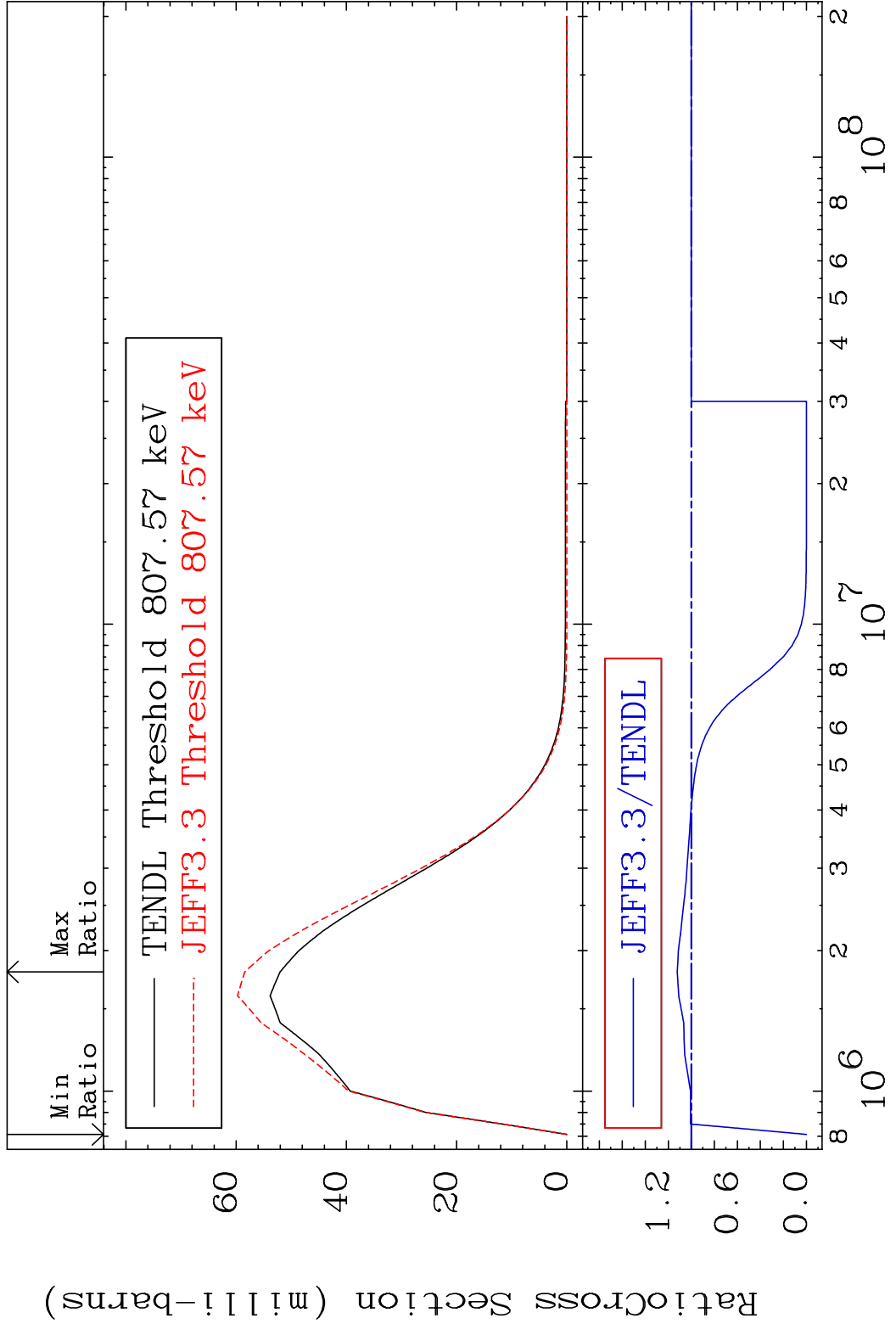
MAT 4519 MT= 55 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 8.799 %



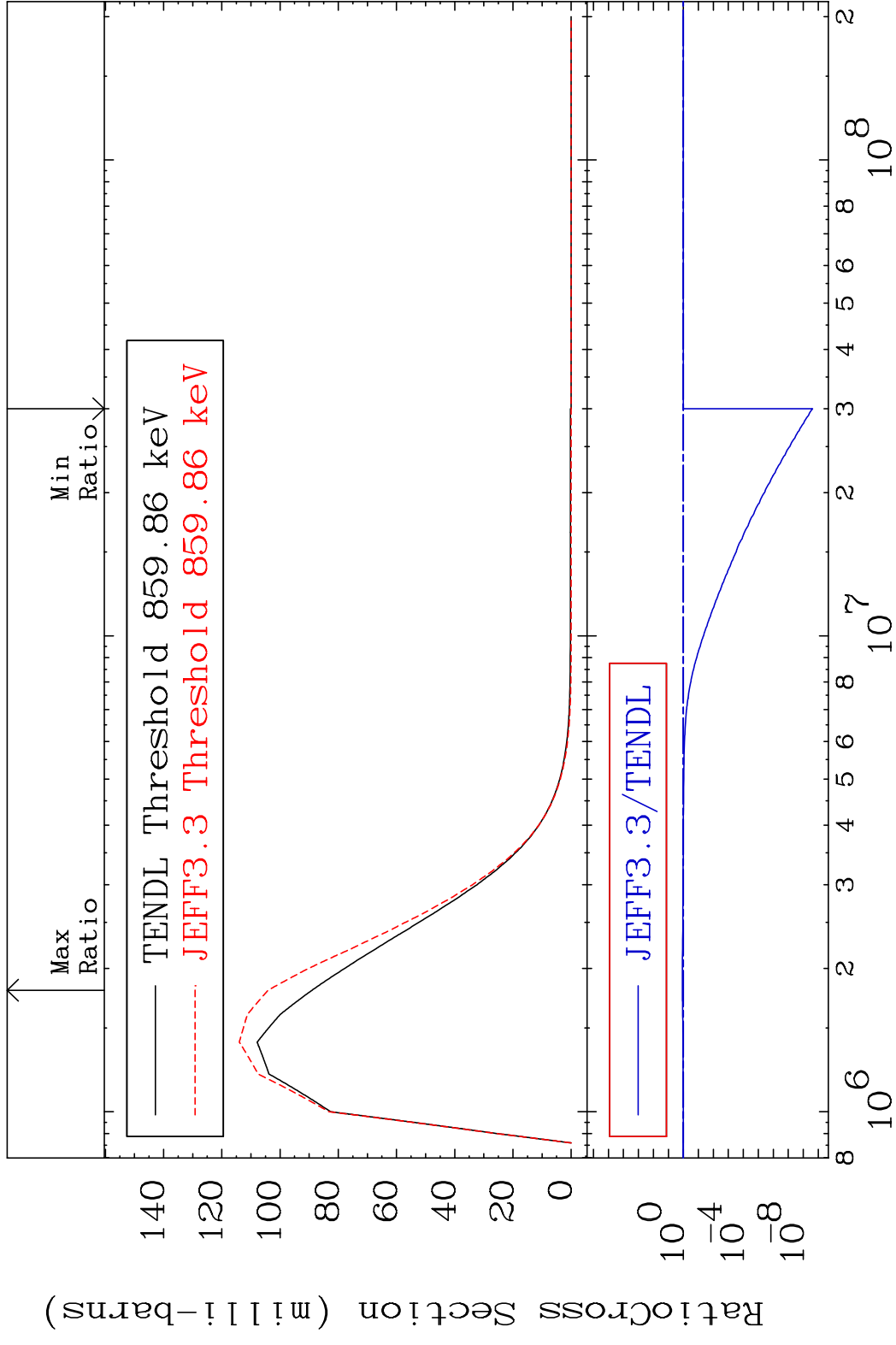
MAT 4519 MT= 56 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 15.18 %



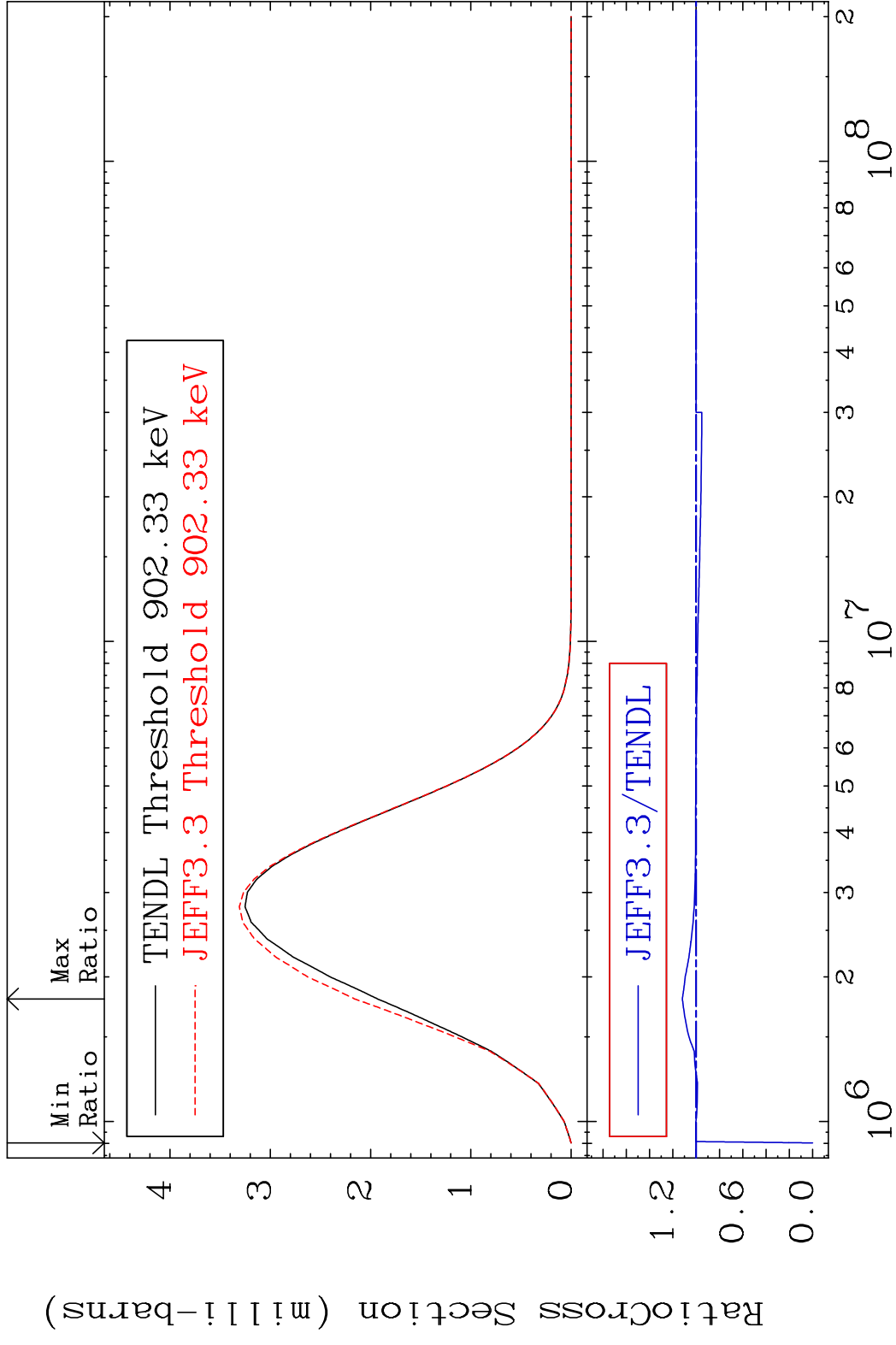
MAT 4519 MT= 57 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 12.30 %



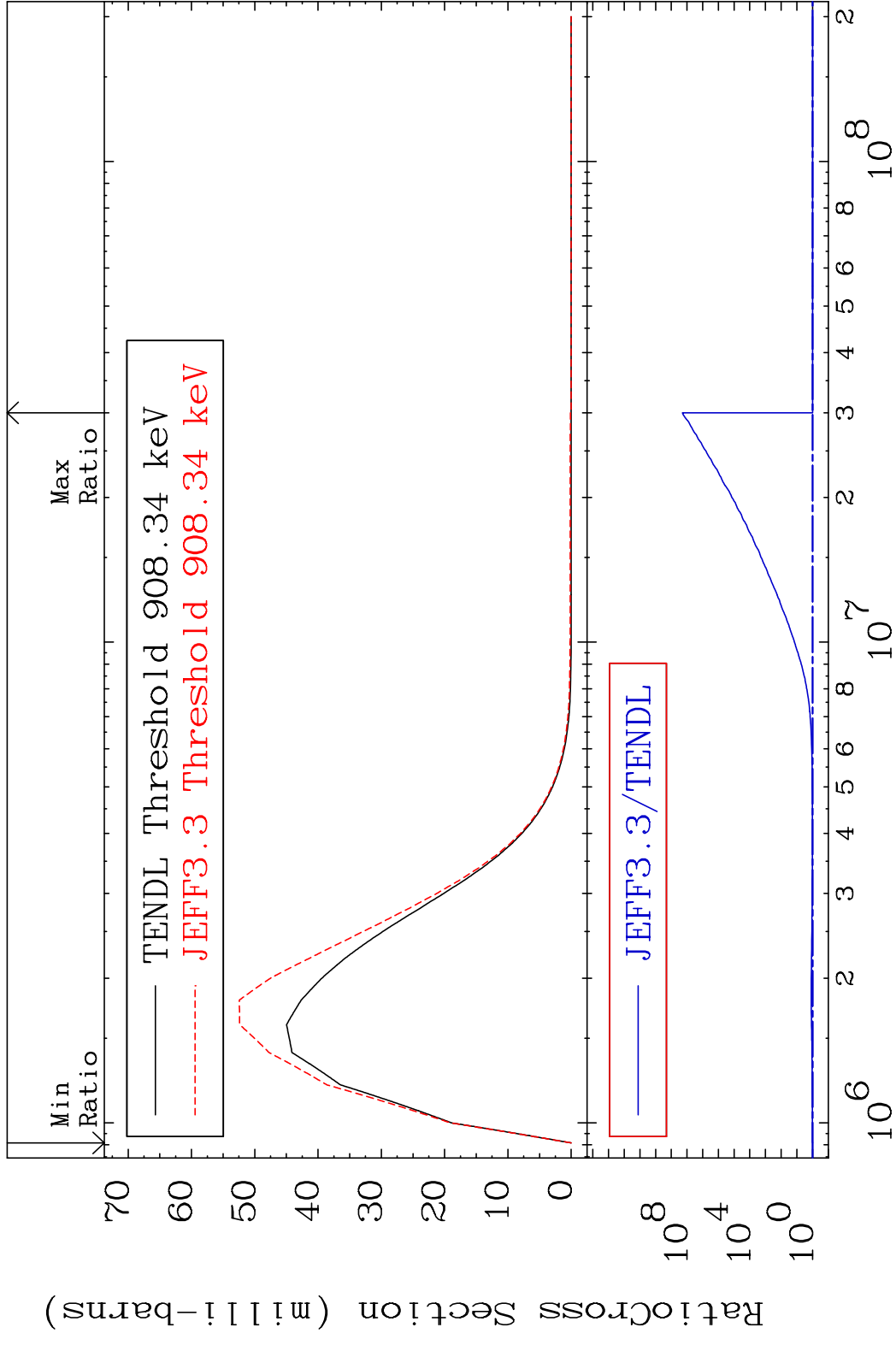
MAT 4519 MT= 58 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 16.92 %



MAT 4519 MT= 59 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 11.88 %

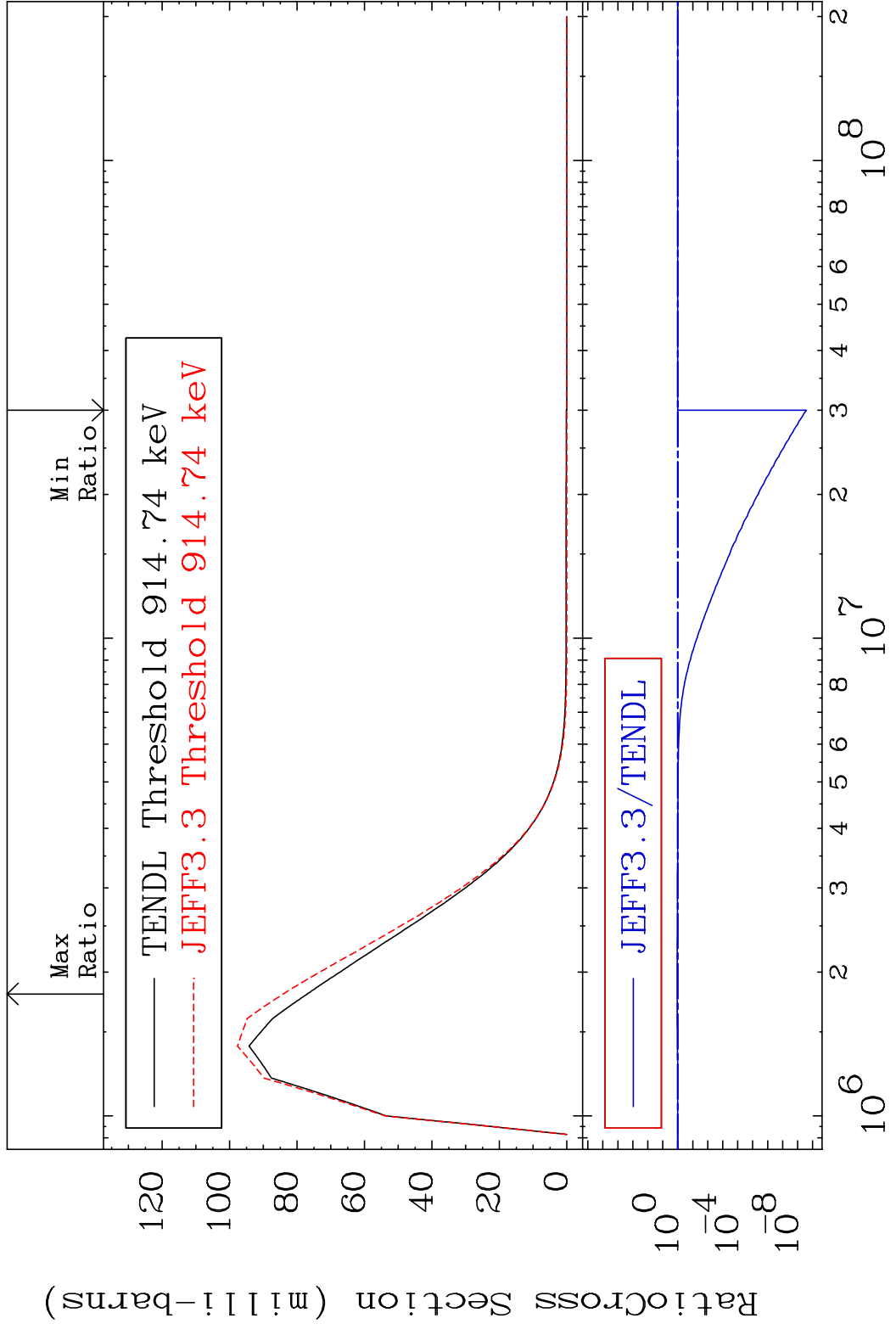


MAT 4519 MT= 60 (n, n') Level 45-Rh-101
 Cross Section 0.000 To 9999. %

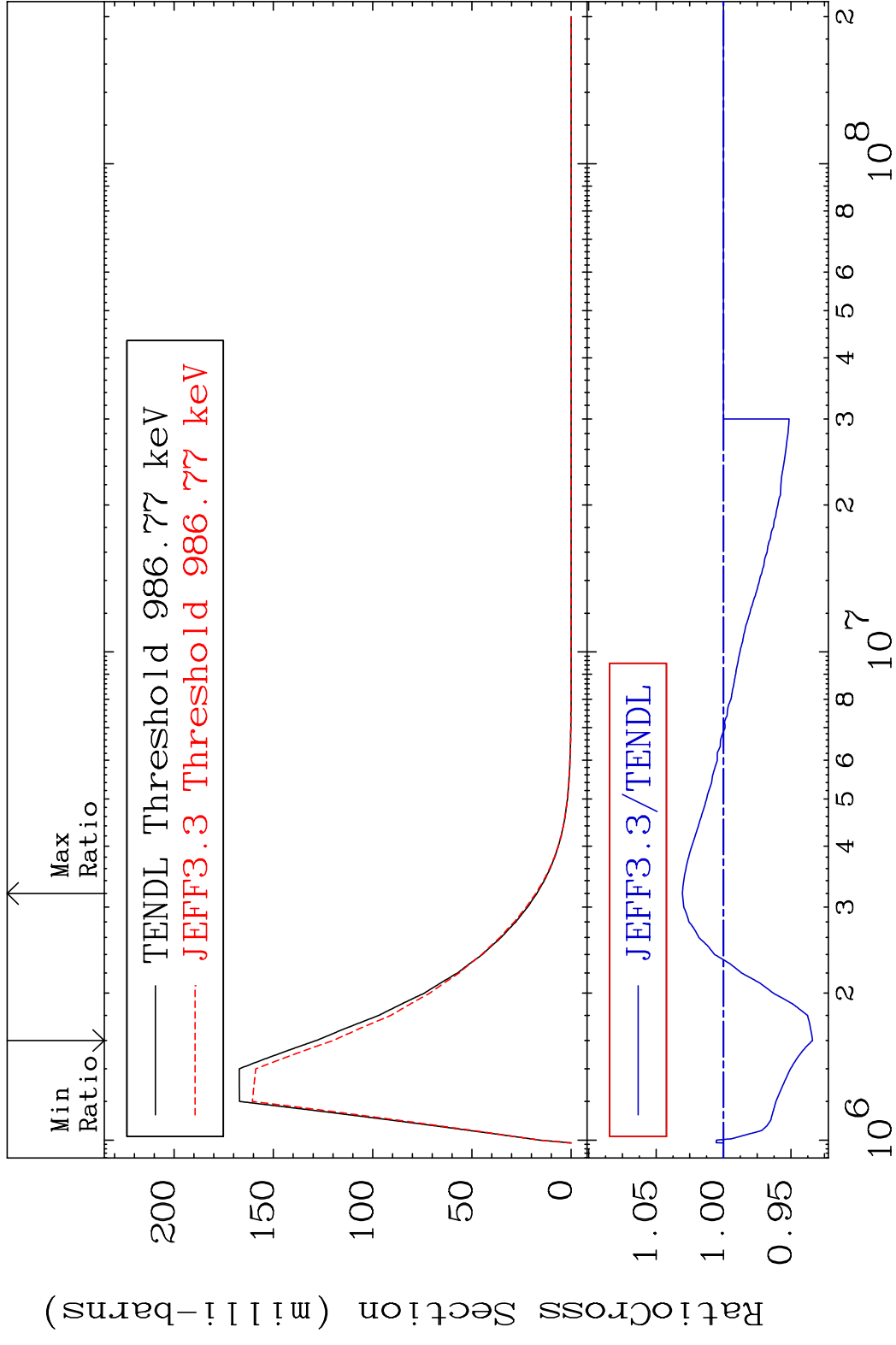


29 Incident Energy (eV) 45-Rh-101

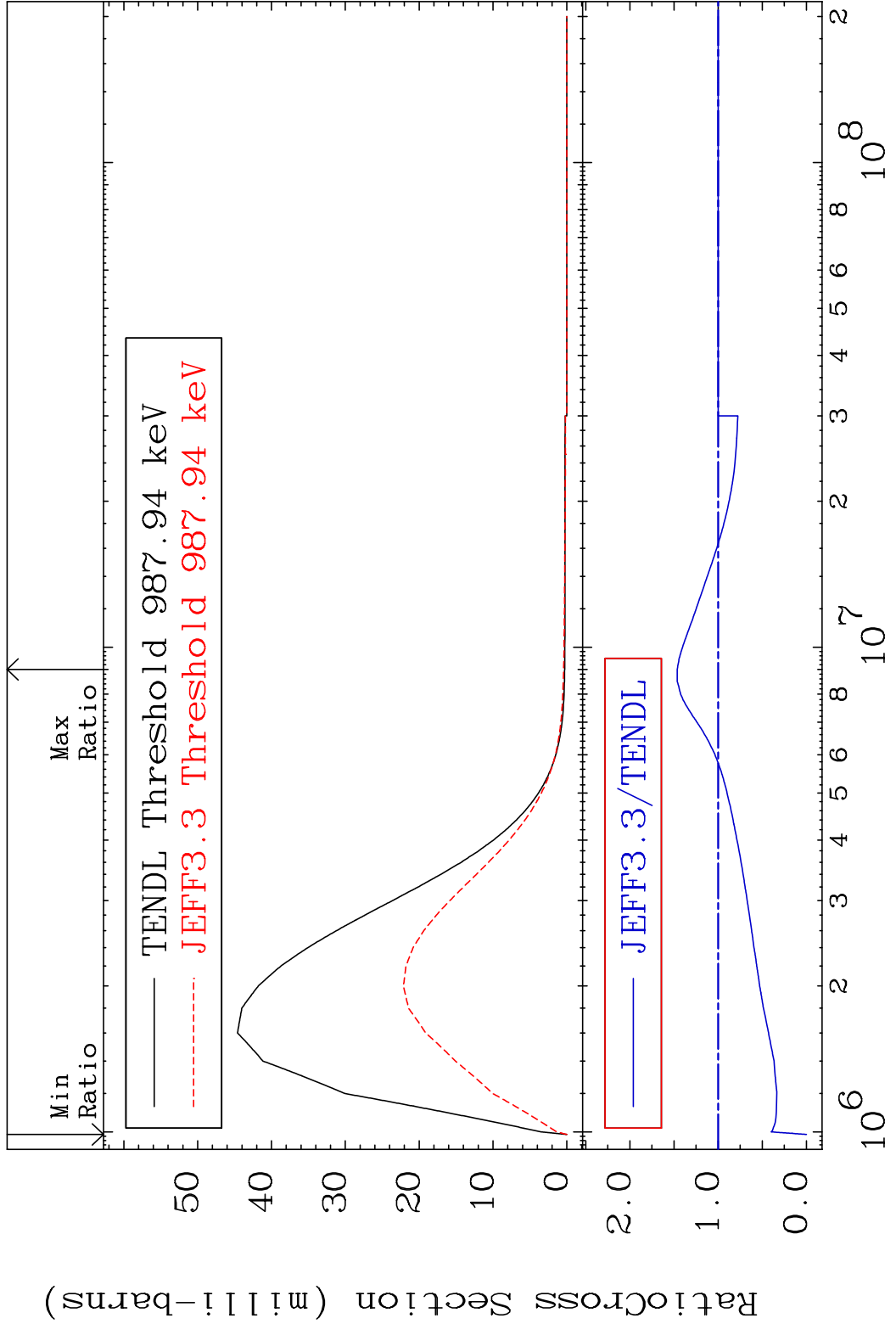
MAT 4519 MT= 61 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 9.318 %



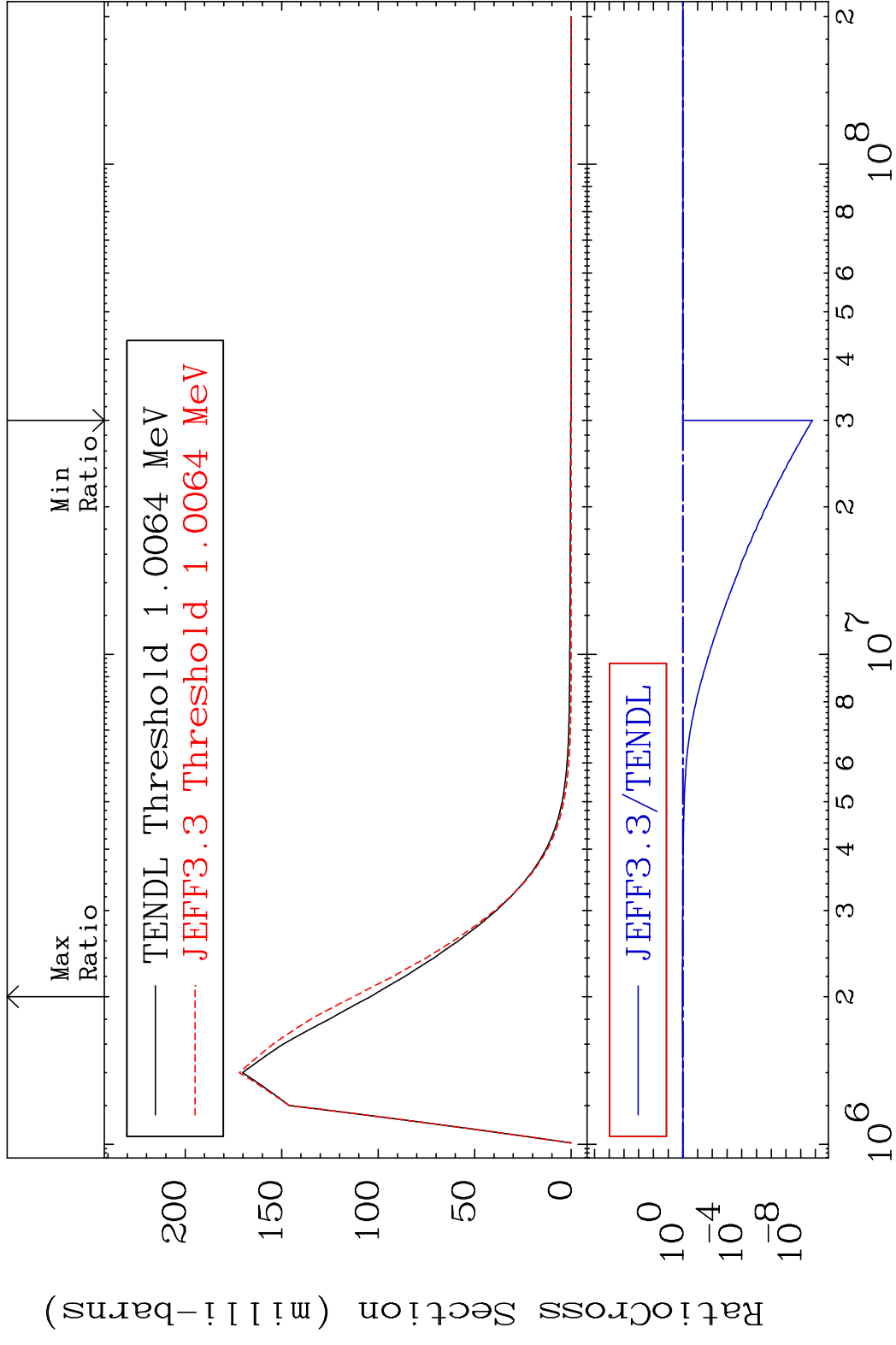
MAT 4519 MT= 62 (n, n') Level 45-Rh-101
 Cross Section -6.610 To 3.051 %



MAT 4519 MT= 63 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 46.37 %

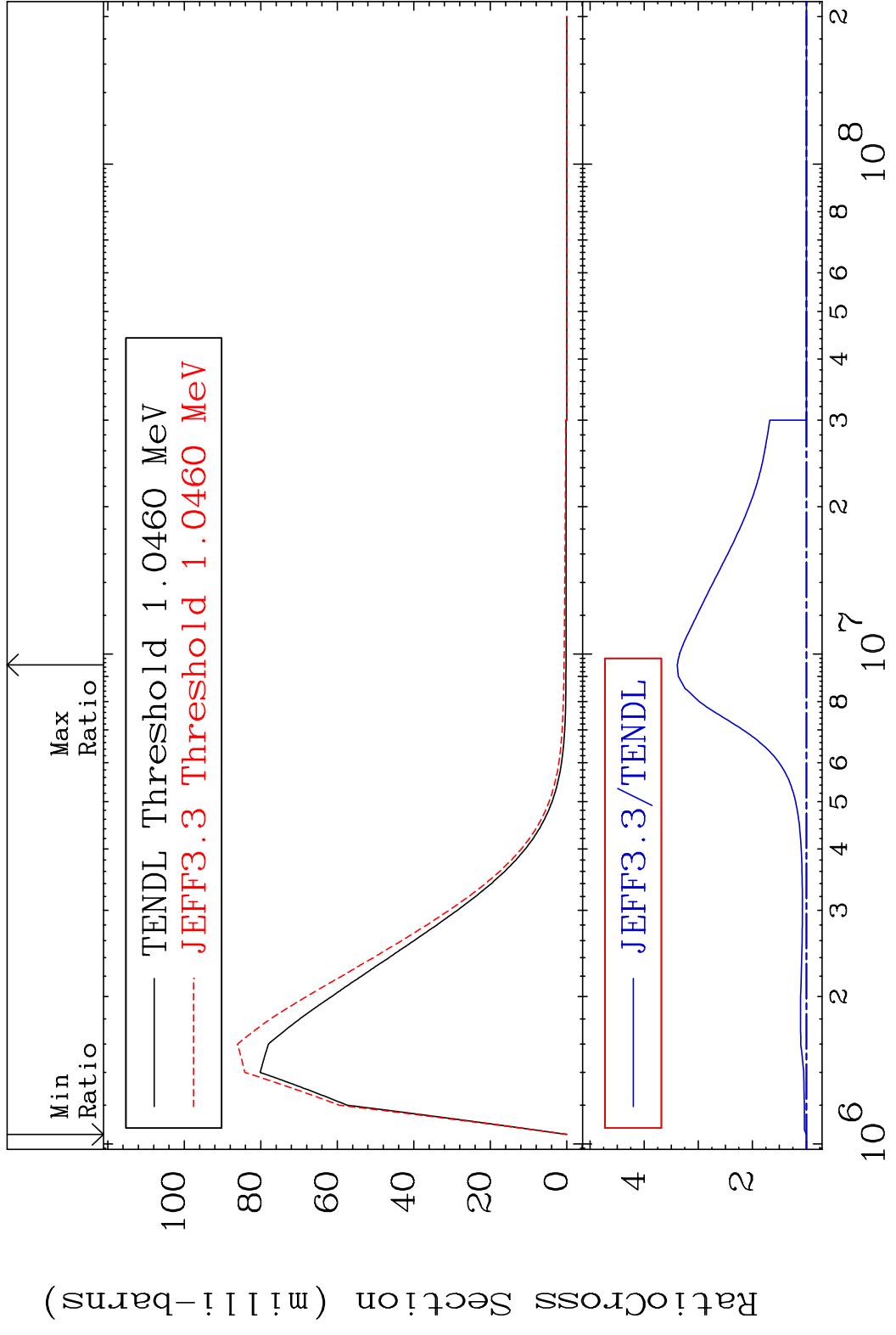


MAT 4519 MT= 64 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 8.344 %



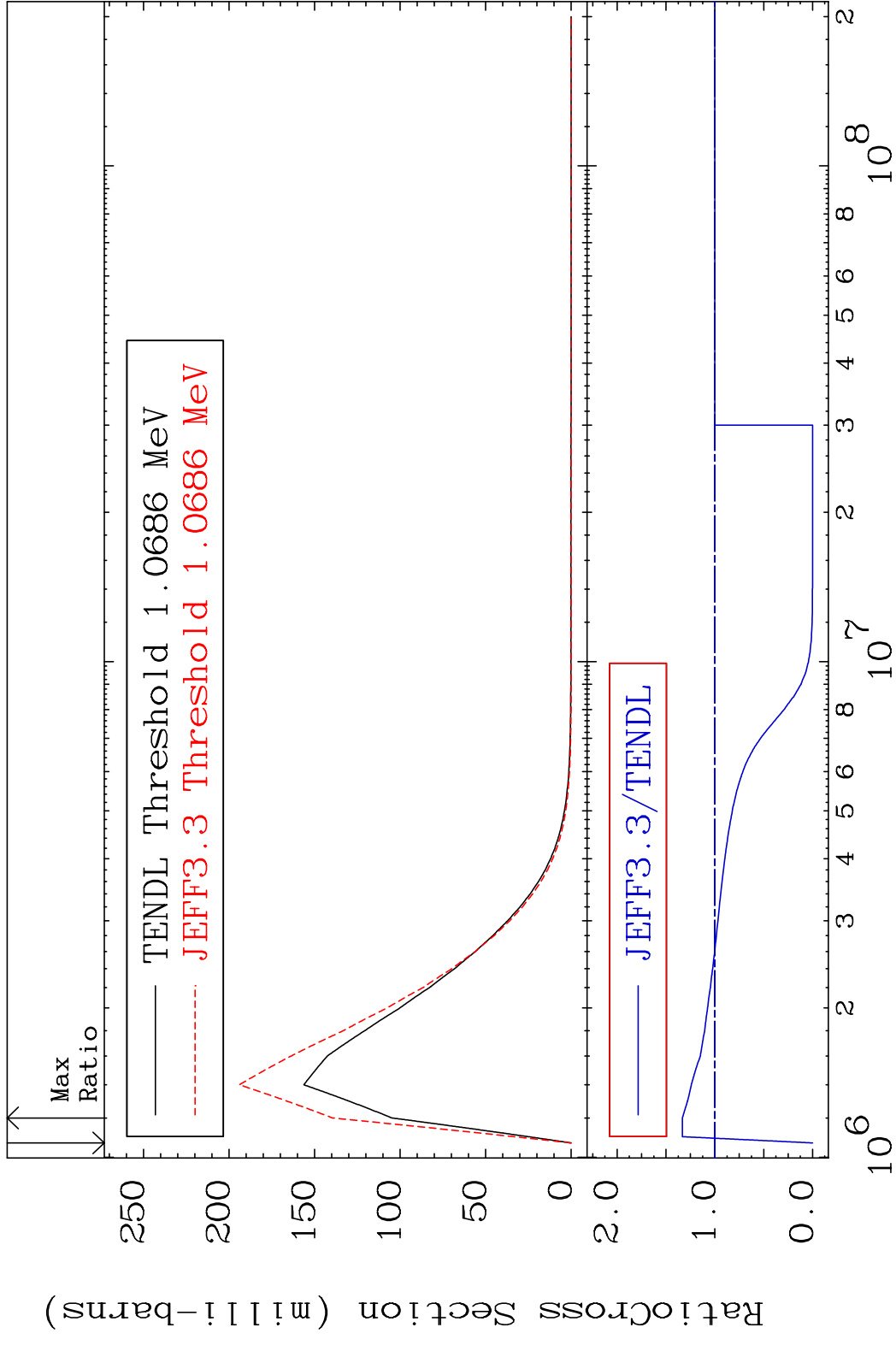
33 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 65 (n, n') Level 45-Rh-101
 Cross Section 0.000 To 239.0 %

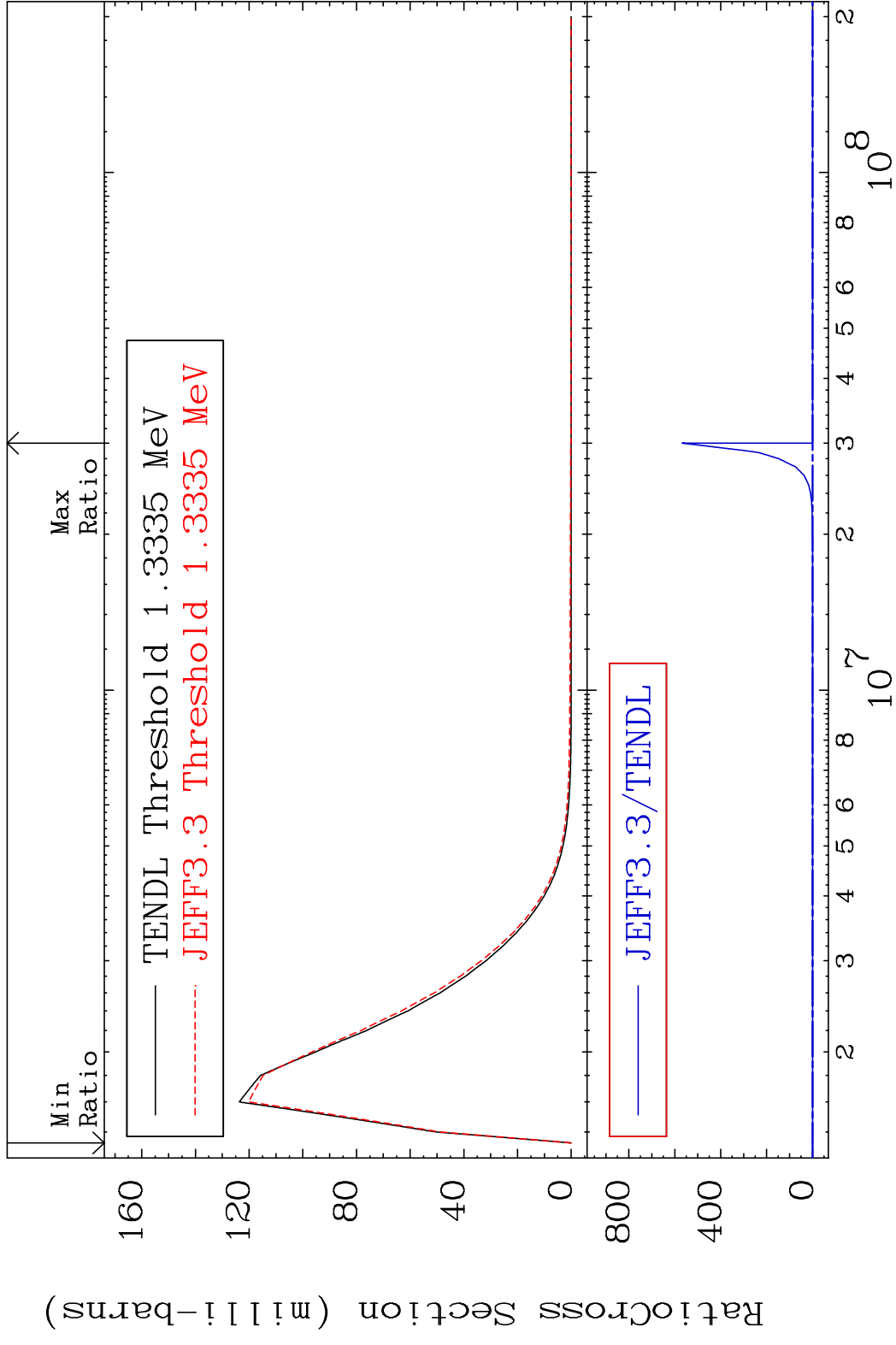


34 Incident Energy (eV) 45-Rh-101

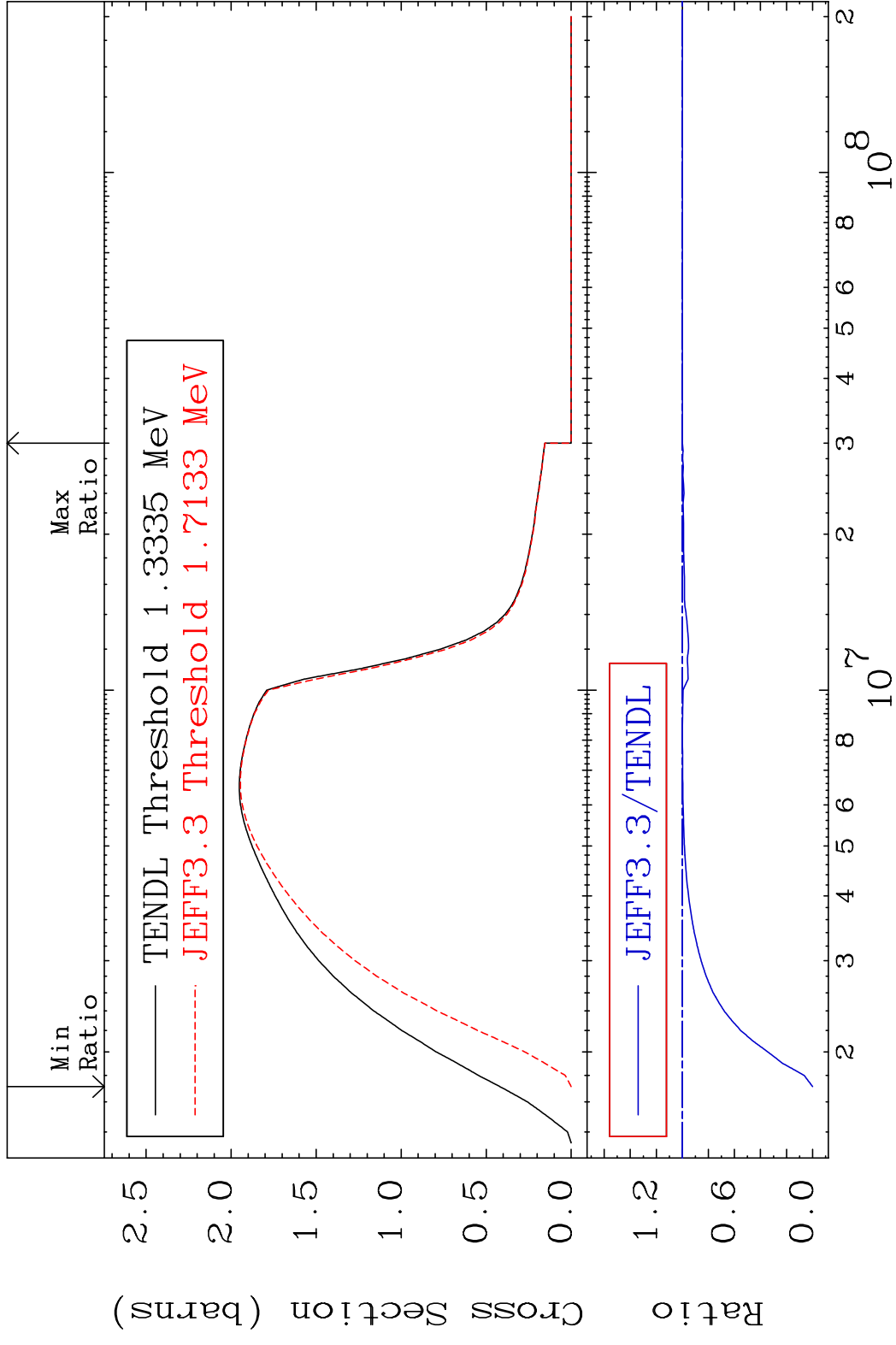
MAT 4519 MT= 66 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 33.26 %



MAT 4519 MT= 67 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %



MAT 4519 (n, n') Continuum 45-Rh-101
 Cross Section -100.0 To 0.000 %

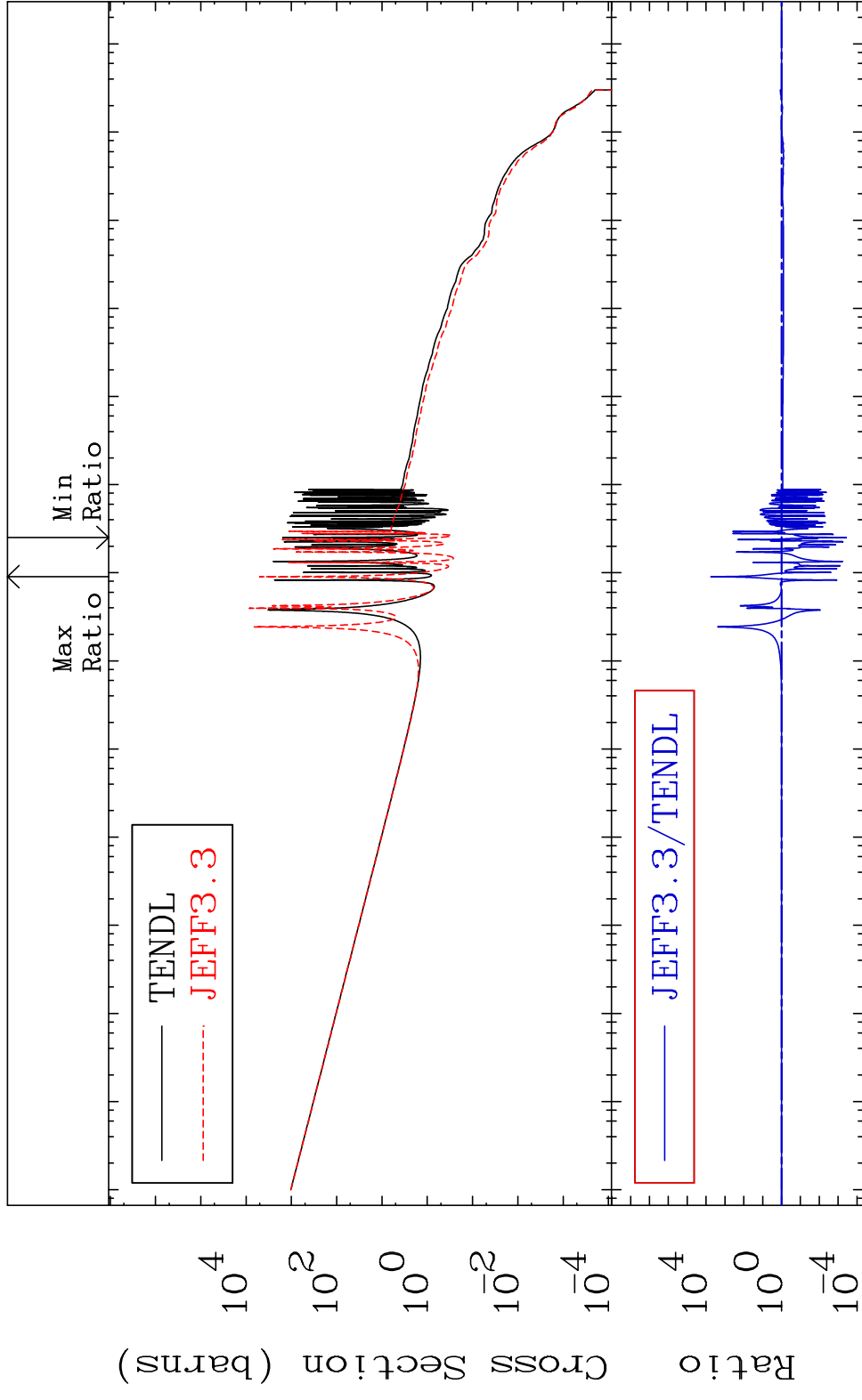


MAT 4519

45-Rh-101

(n, γ)

Cross Section -99.96 To 9999. %



38

Incident Energy (eV)

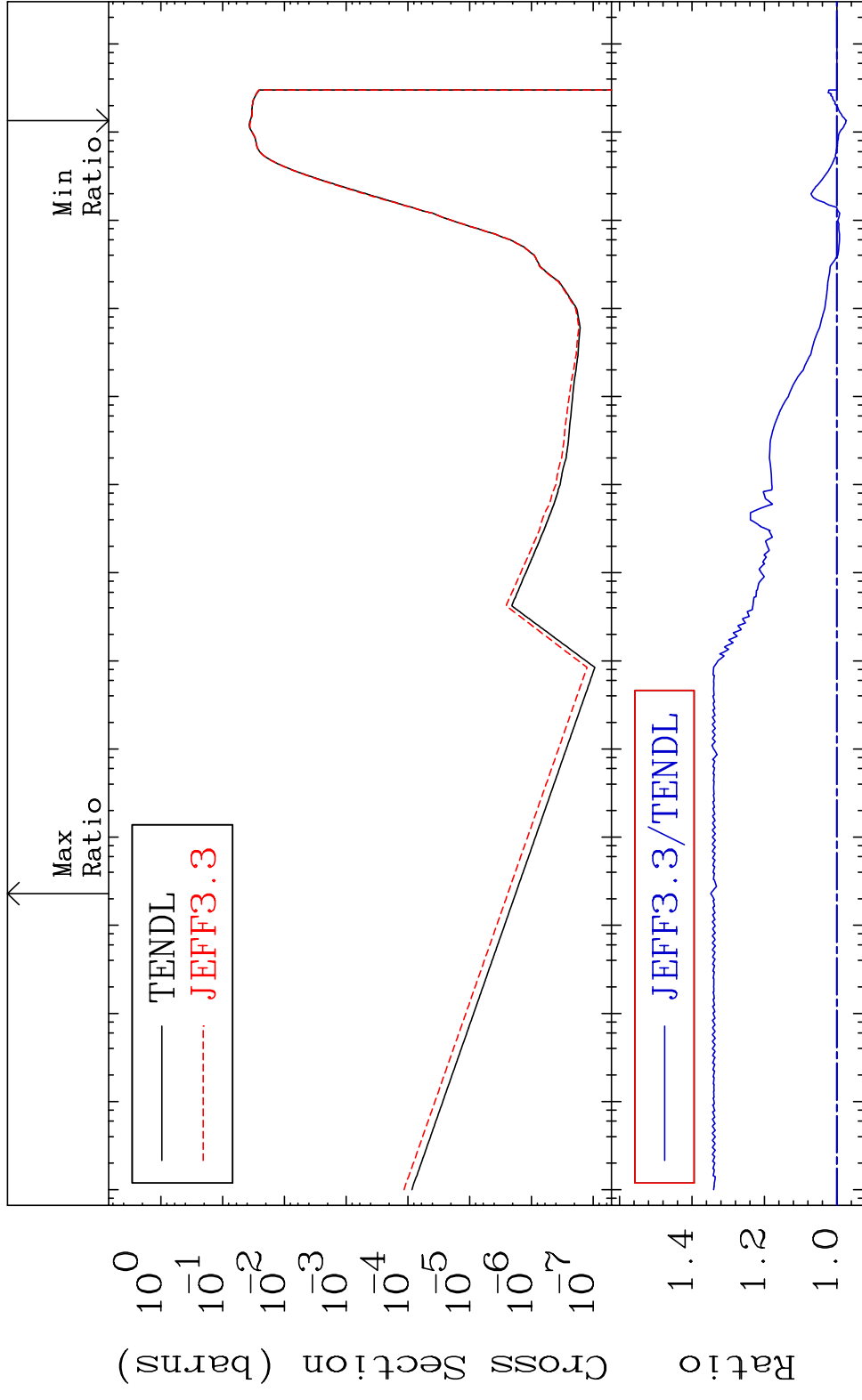
45-Rh-101

MAT 4519

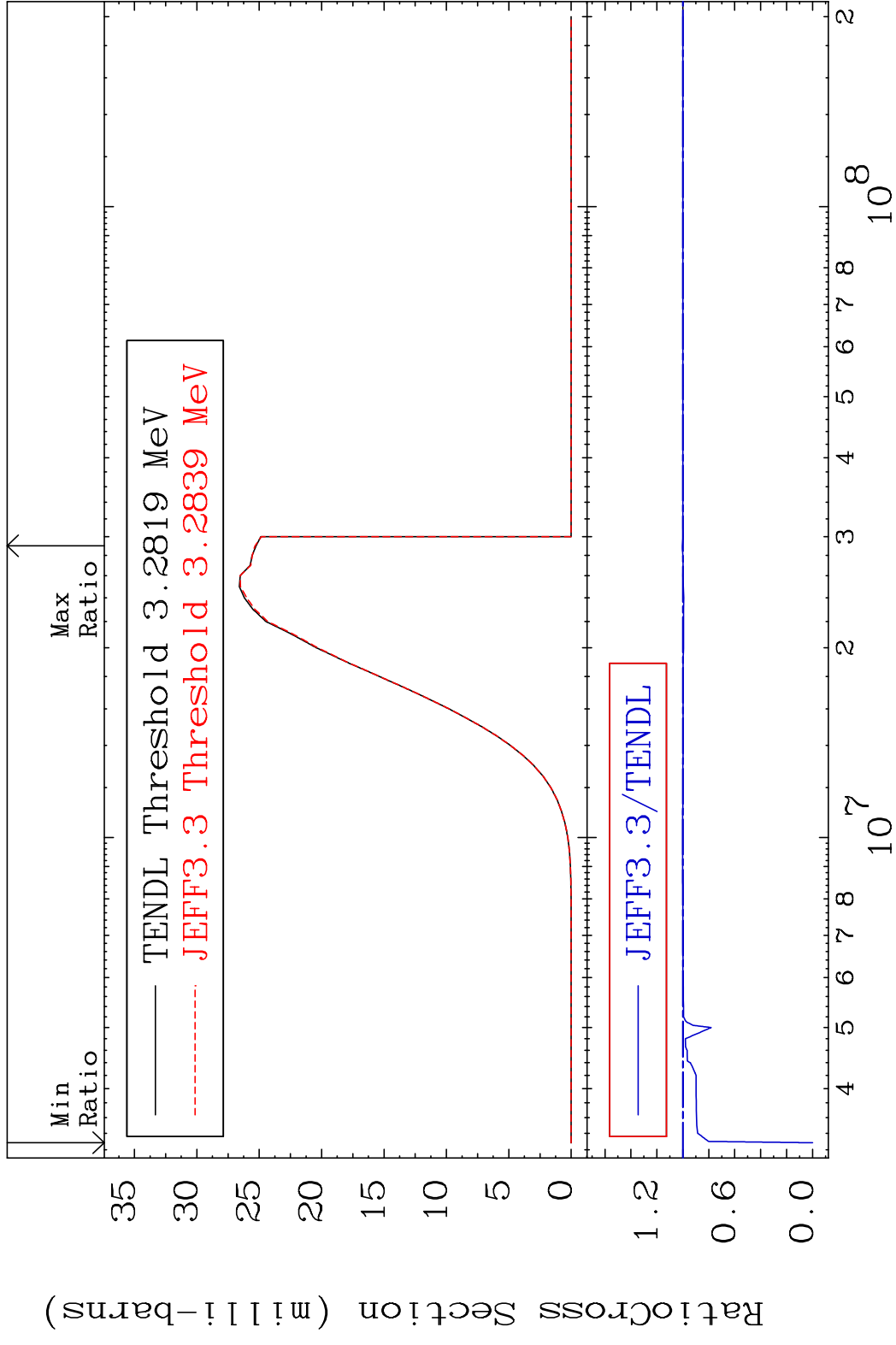
(n, p)

45-Rh-101

Cross Section -2.639 To 34.80 %



MAT 4519 (n,d) 45-Rh-101
 Cross Section -100.0 To 0.358 %



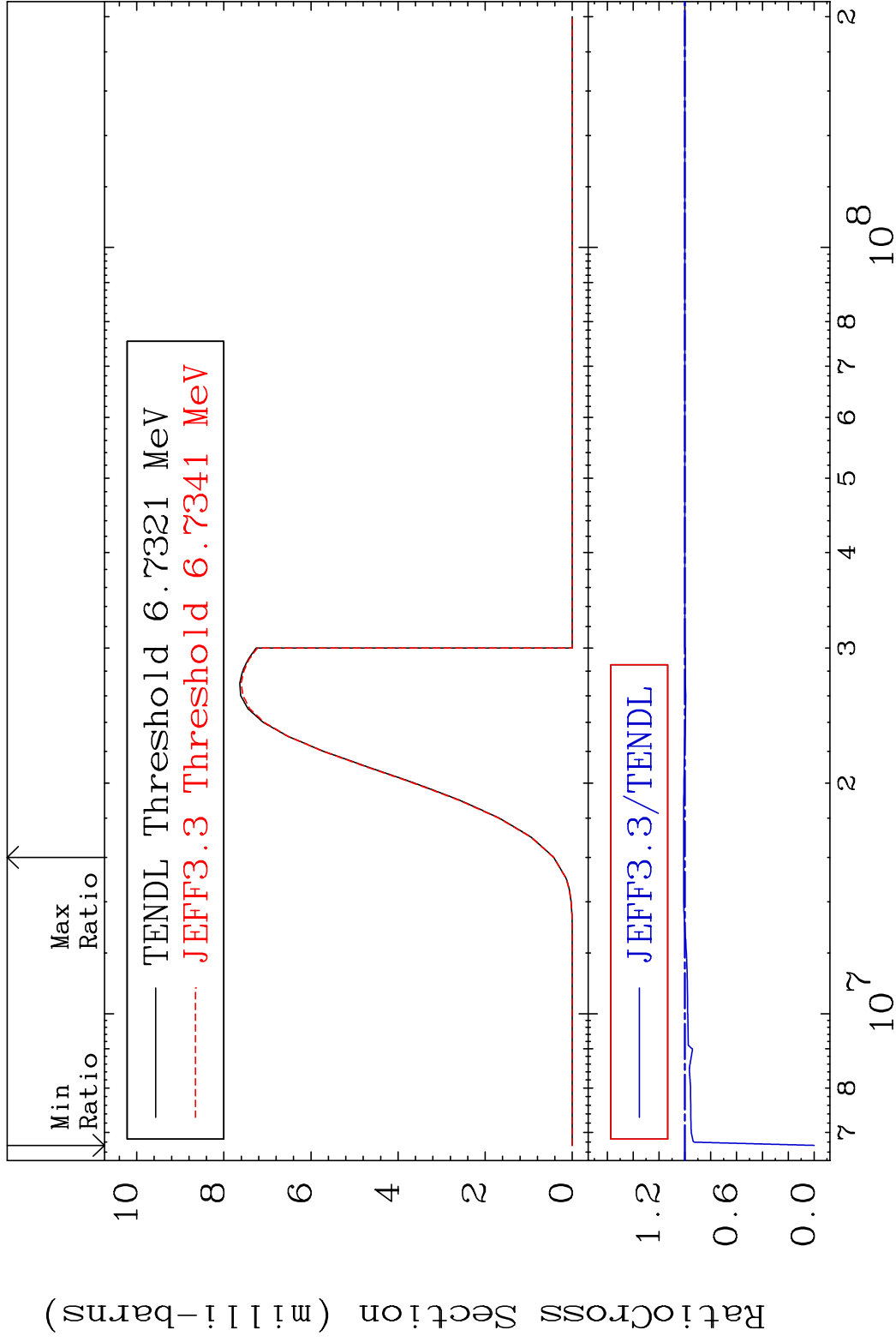
40 Incident Energy (eV) 45-Rh-101

MAT 4519

(n, t)

45-Rh-101

Cross Section -100.0 To 0.940 %



41

Incident Energy (eV)

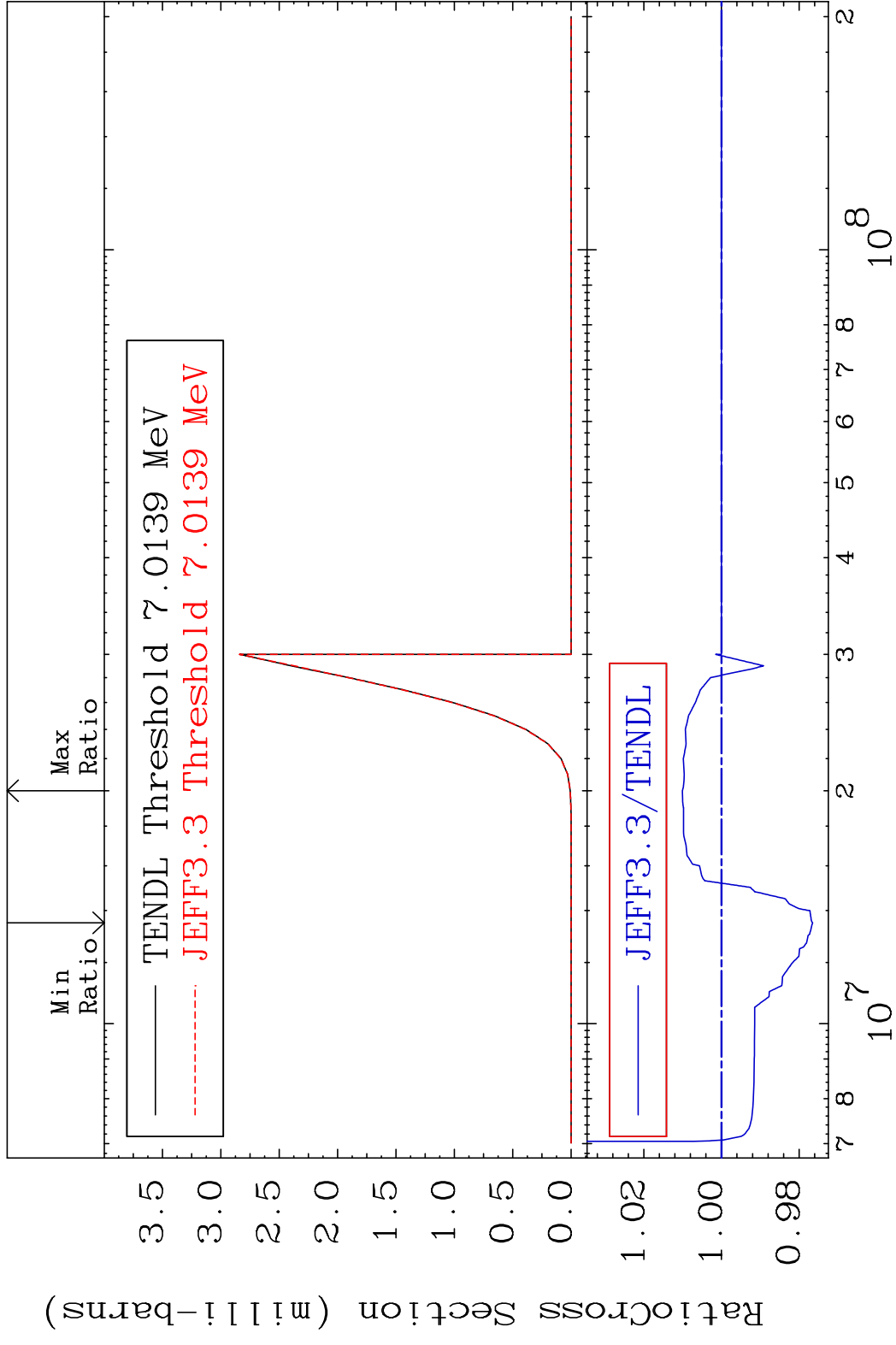
45-Rh-101

MAT 4519

(n, He-3)

45-Rh-101

Cross Section -2.347 To 1.008 %



42

Incident Energy (eV)

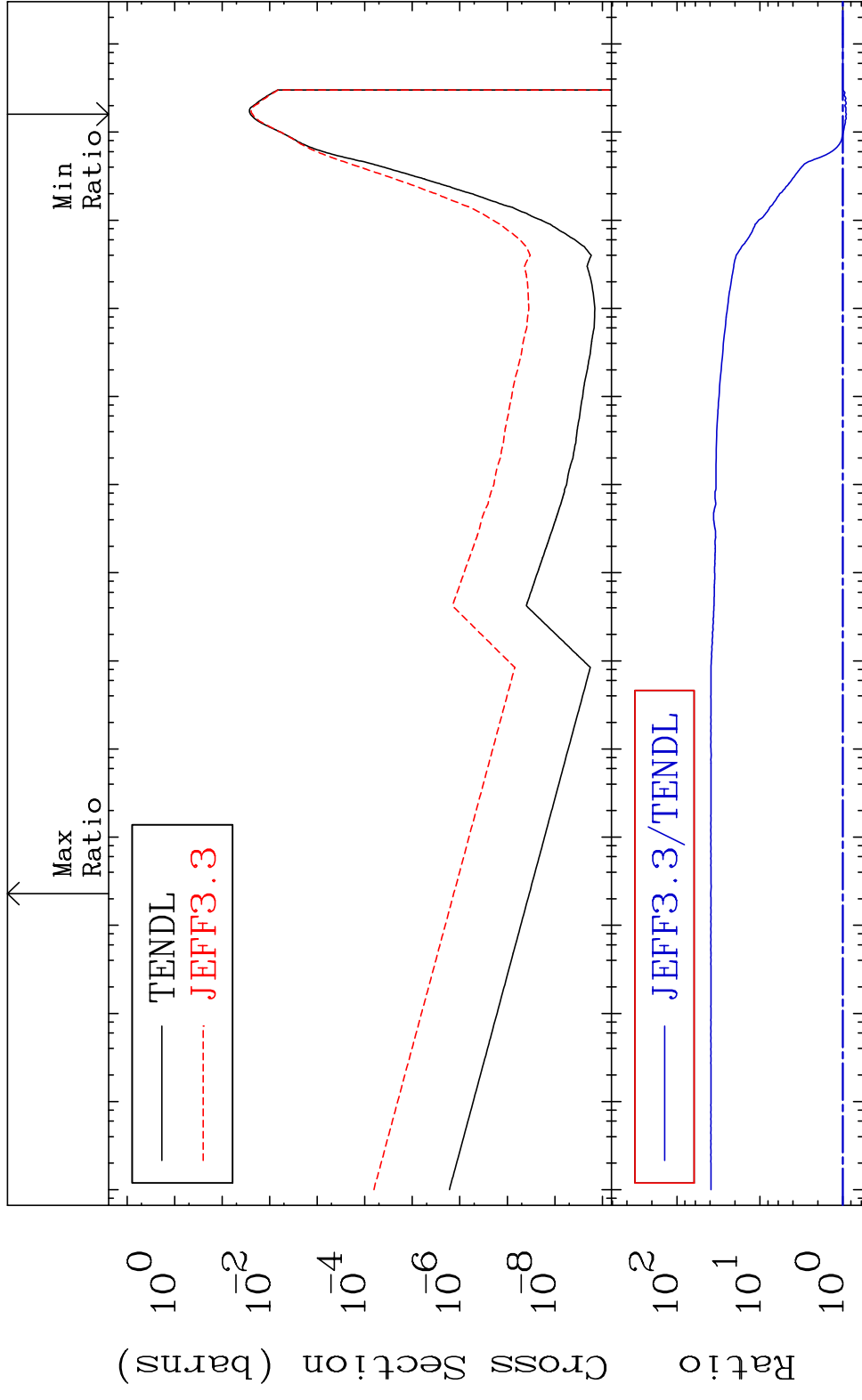
45-Rh-101

MAT 4519

(n, α)

45-Rh-101

Cross Section -9.215 To 3815. %



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

43

Incident Energy (eV)

45-Rh-101

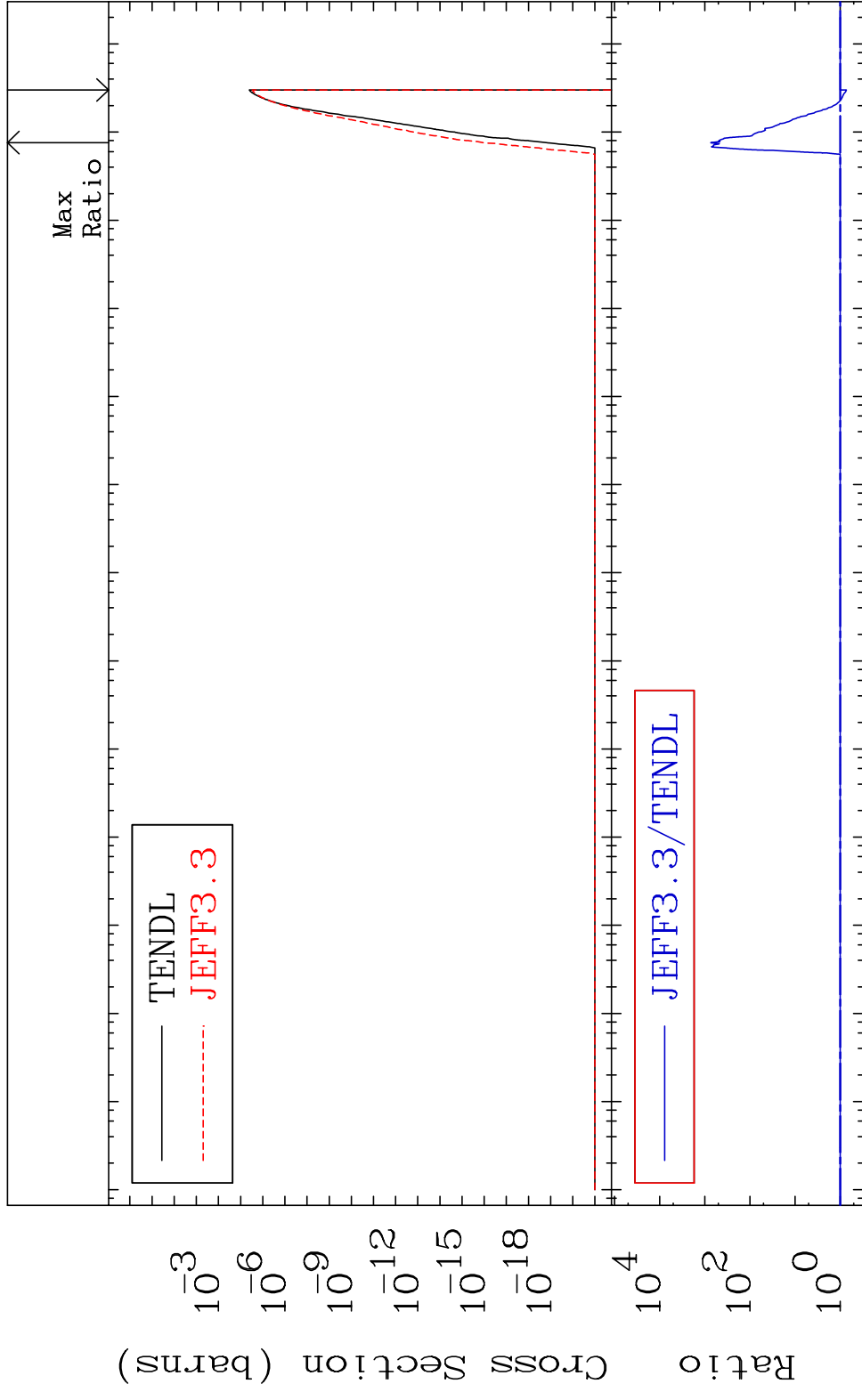
MAT 4519

(n, 2α)

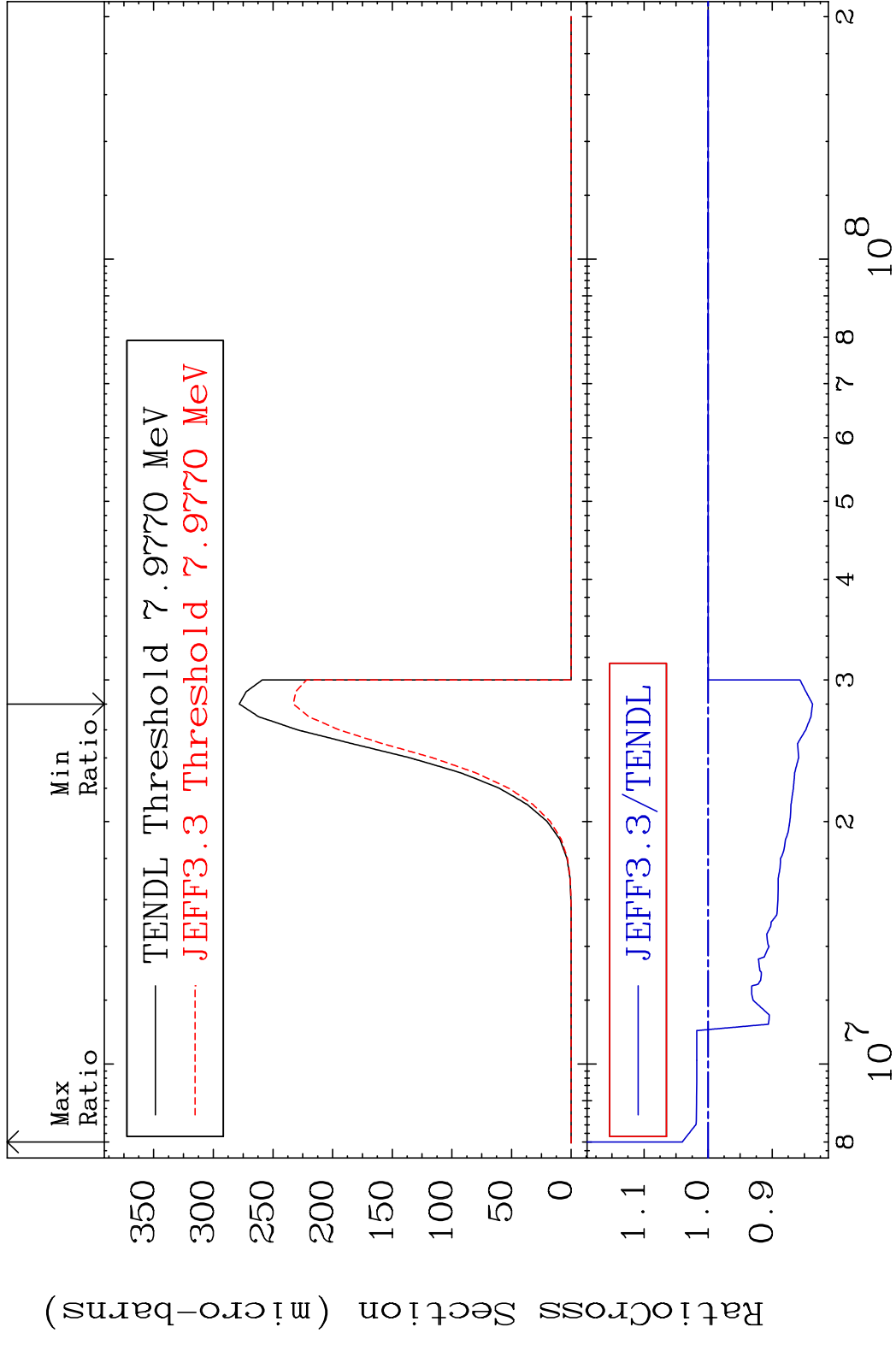
45-Rh-101

Cross Section

-26.81 To 9999. %

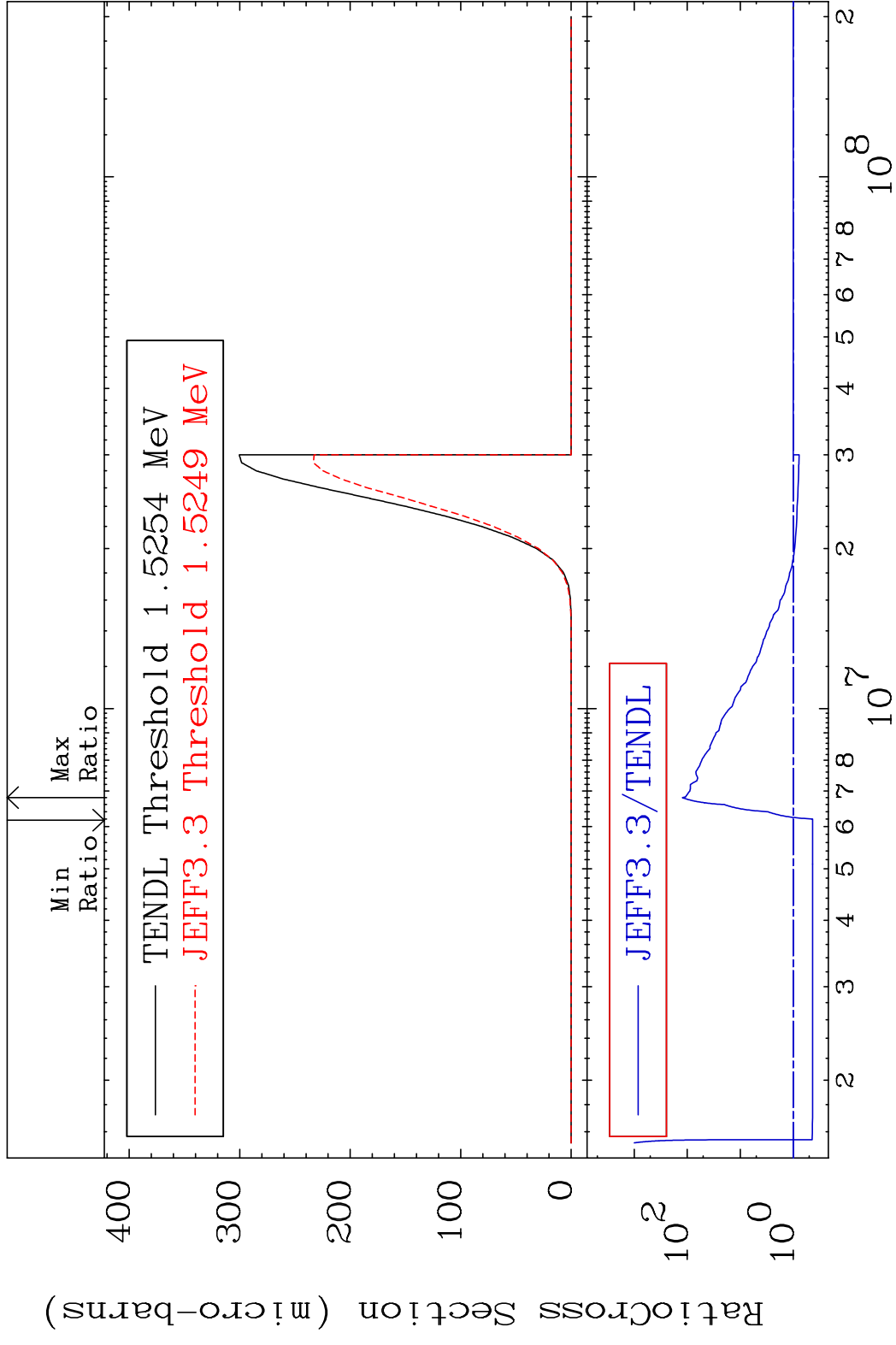


MAT 4519 (n,2p) 45-Rh-101
 Cross Section -16.29 To 4.017 %



45 45-Rh-101

MAT 4519 (n,p) α 45-Rh-101
 Cross Section -56.88 To 9999. %

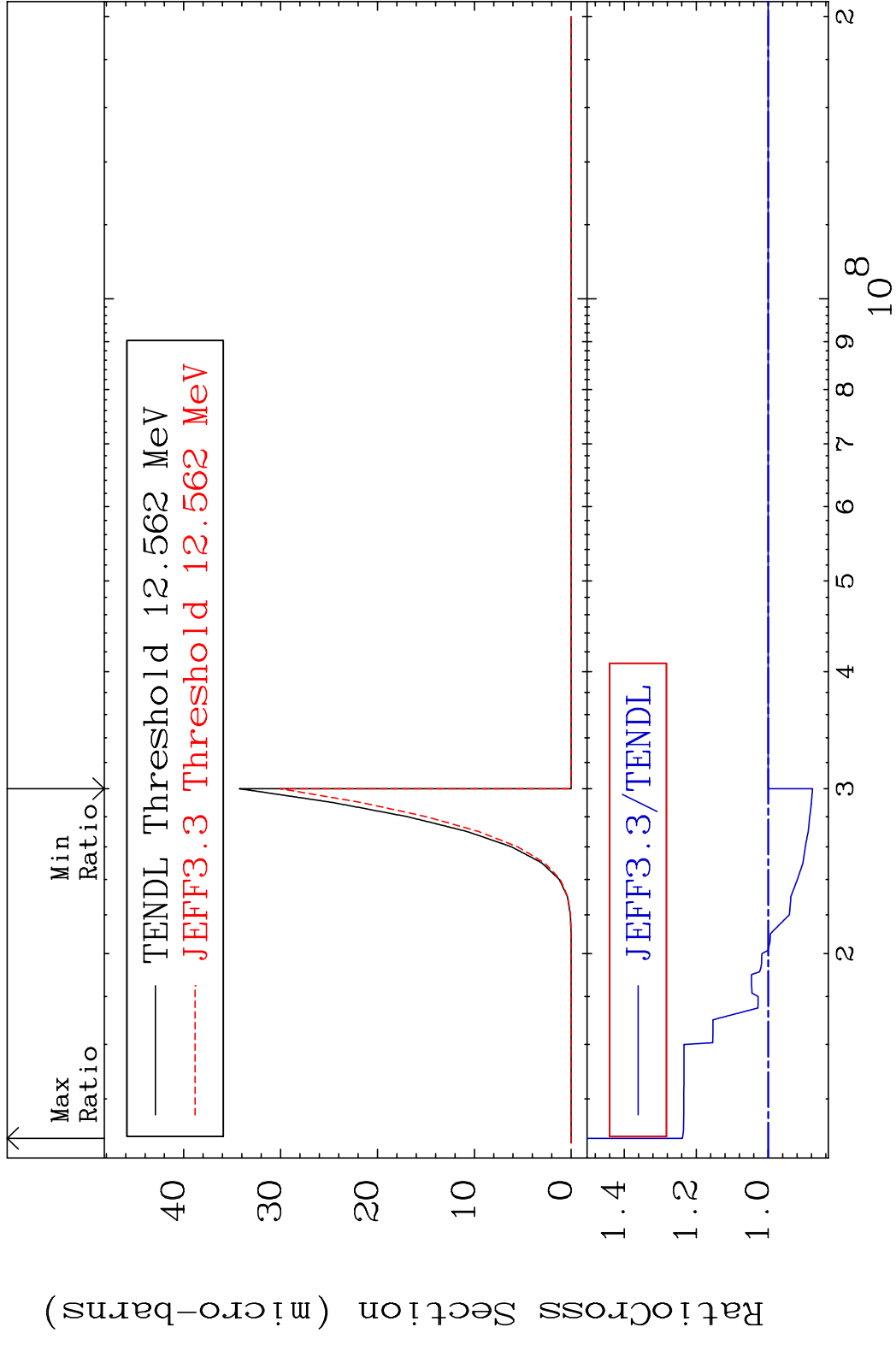


MAT 4519

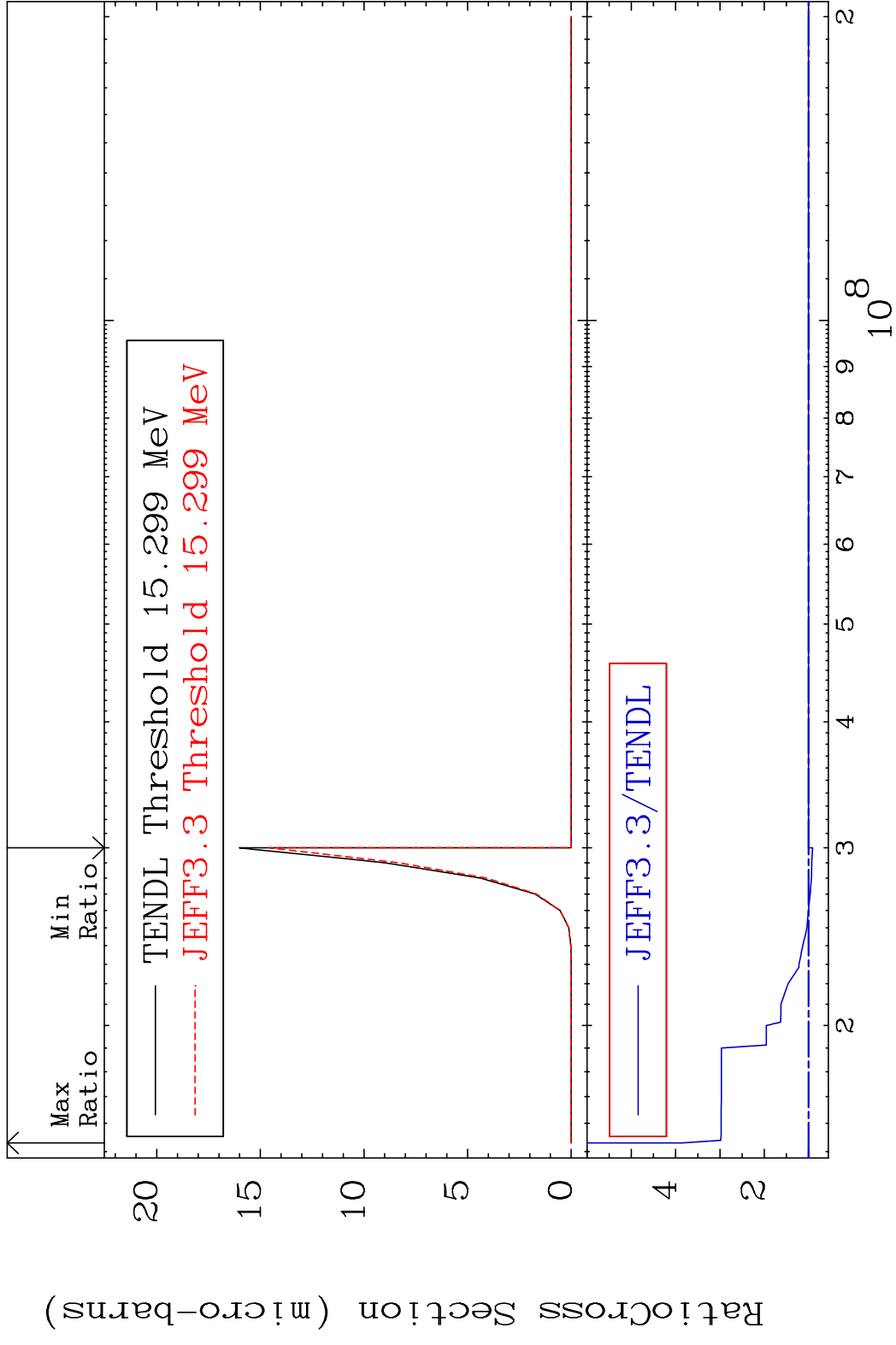
(n,p) d

45-Rh-101

Cross Section -12.30 To 23.84 %



MAT 4519 (n,p) t 45-Rh-101
 Cross Section -9.054 To 284.9 %

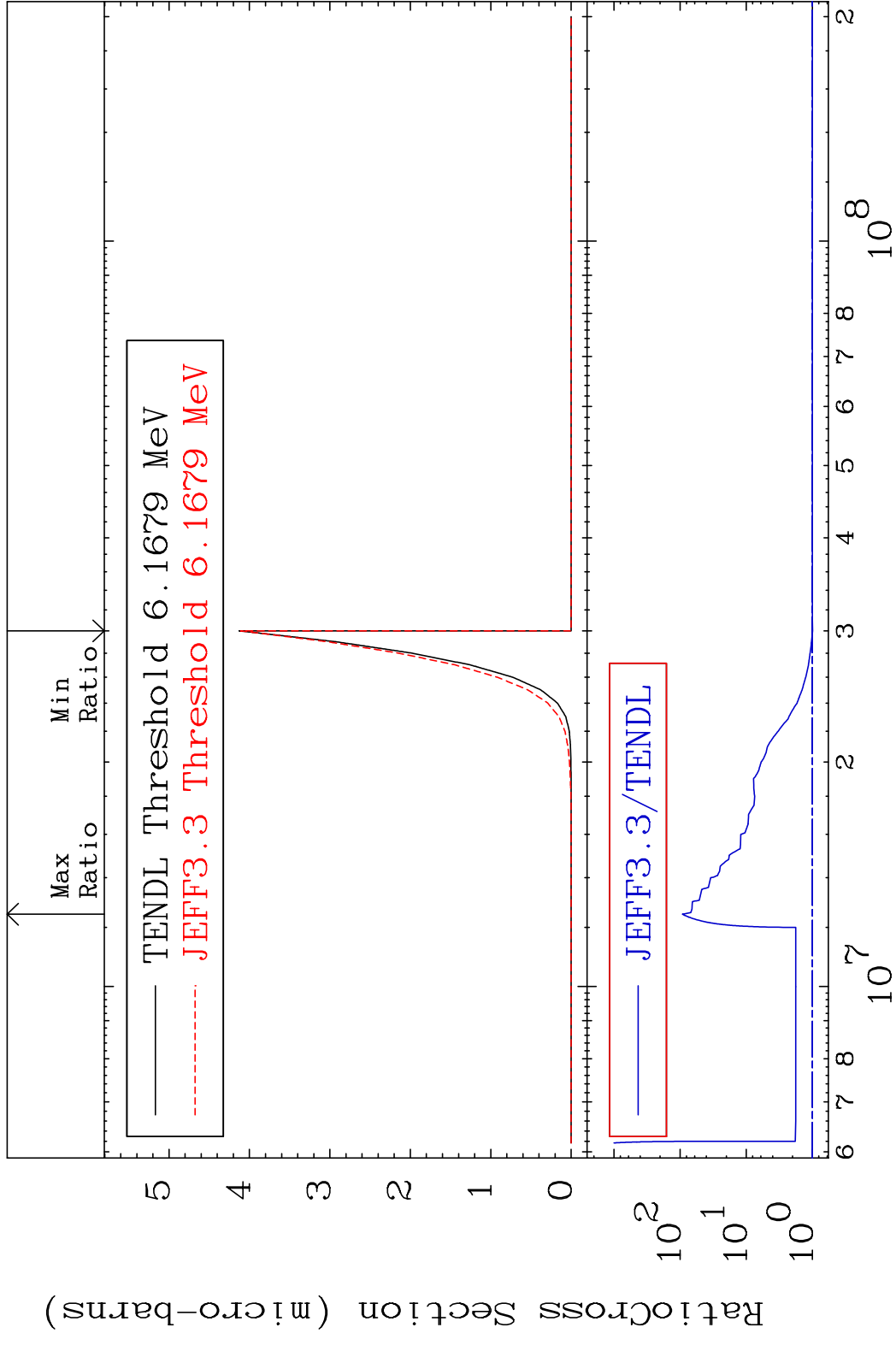


MAT 4519

(n,d) α

45-Rh-101

Cross Section -0.381 To 9134. %



49

Incident Energy (eV)

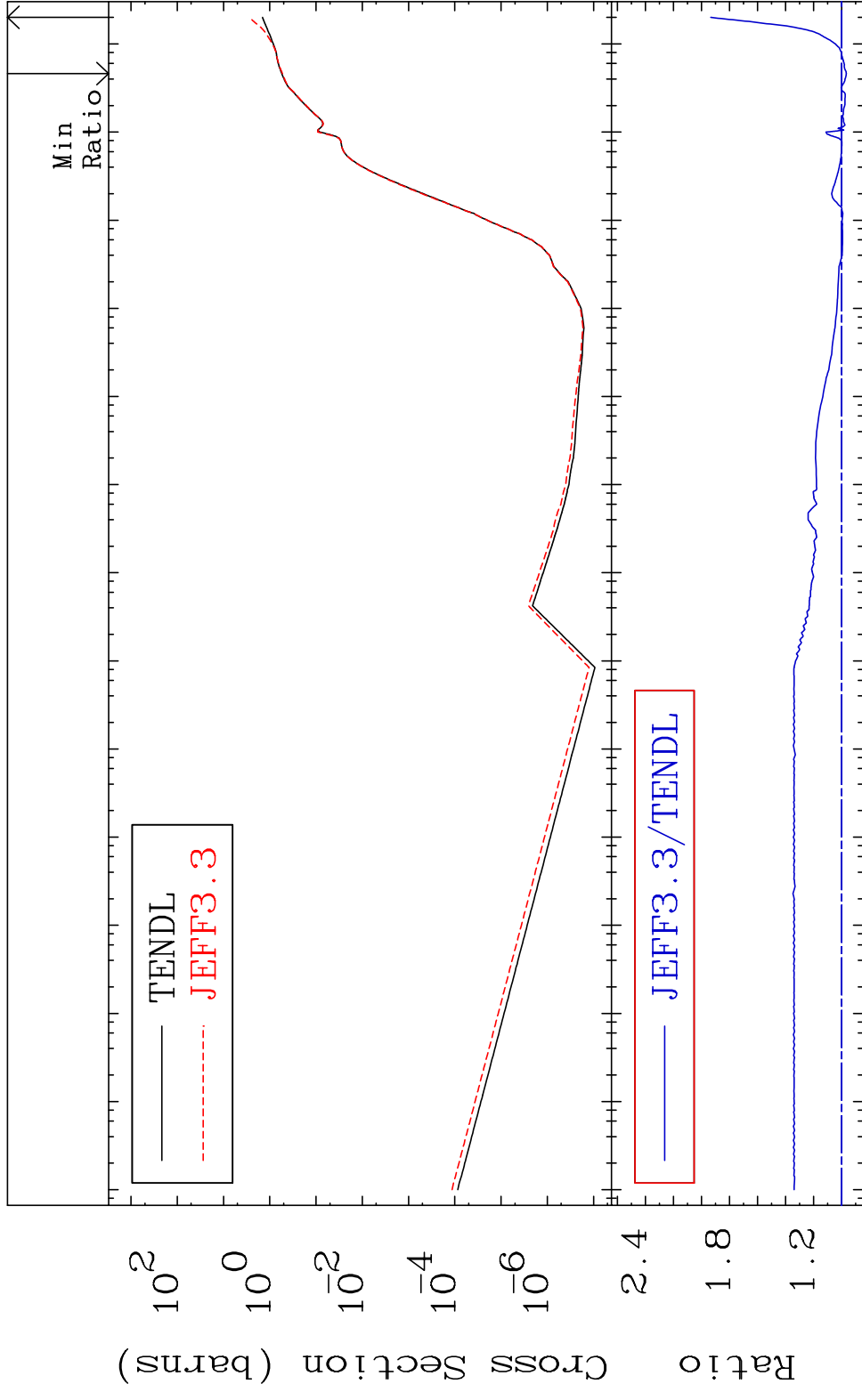
45-Rh-101

MAT 4519

Hydrogen Production

45-Rh-101

Cross Section -3.347 To 93.43 %

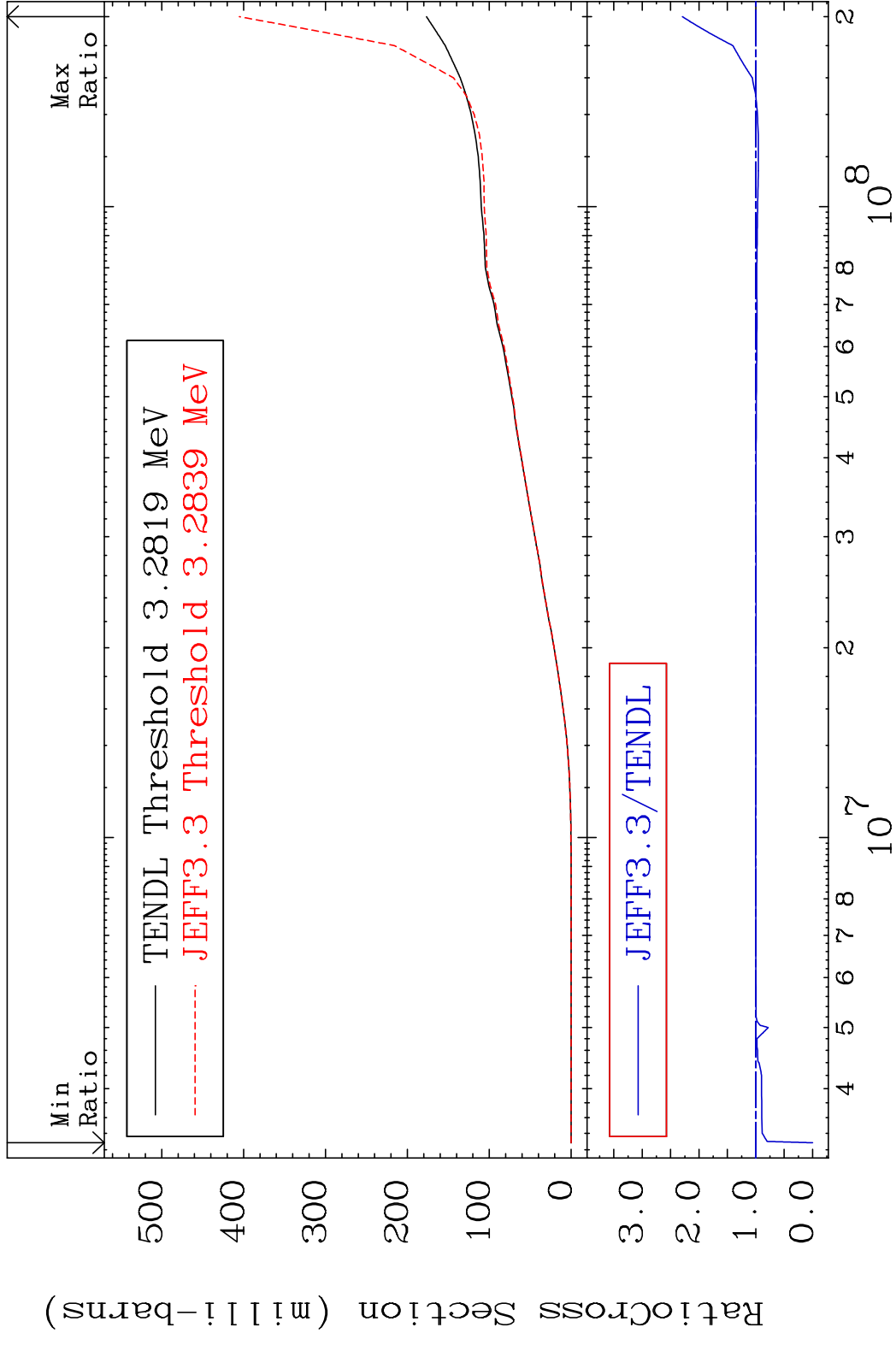


50

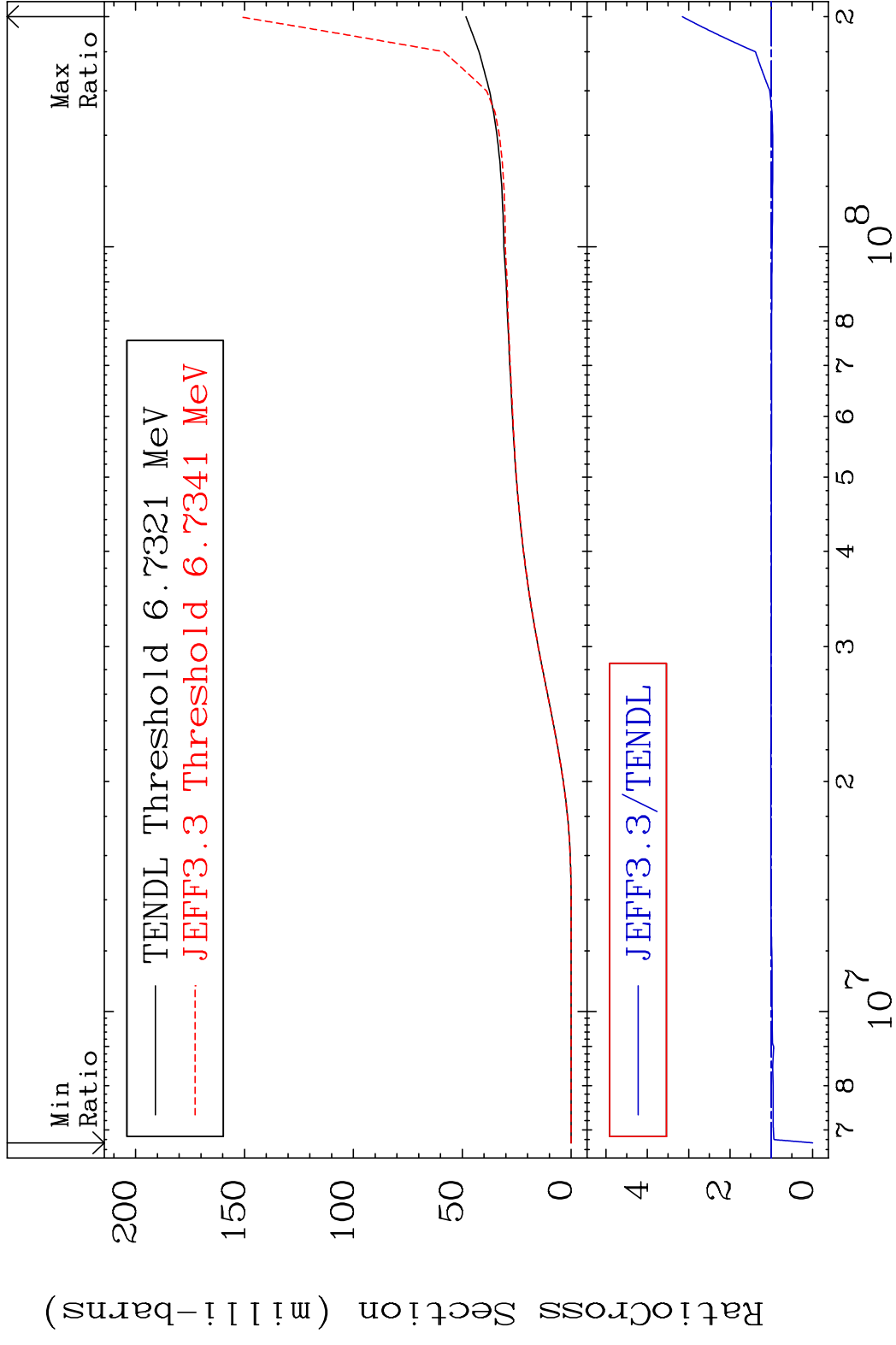
Incident Energy (eV)

45-Rh-101

MAT 4519 Deuterium Production 45-Rh-101
 Cross Section -100.0 To 129.3 %



MAT 4519 Tritium Production 45-Rh-101
 Cross Section -100.0 To 215.3 %

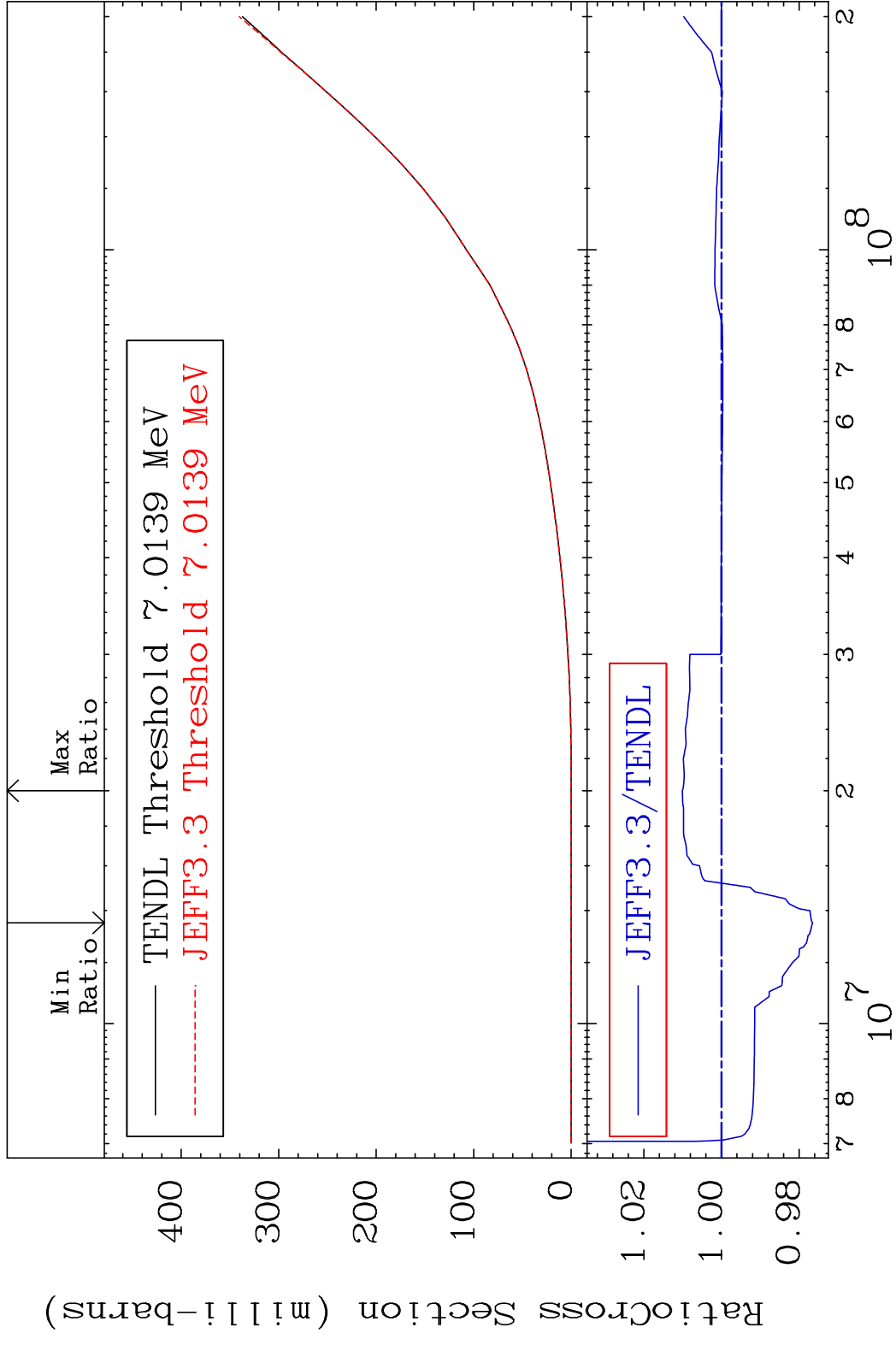


MAT 4519

He-3 Production

45-Rh-101

Cross Section -2.347 To 1.008 %

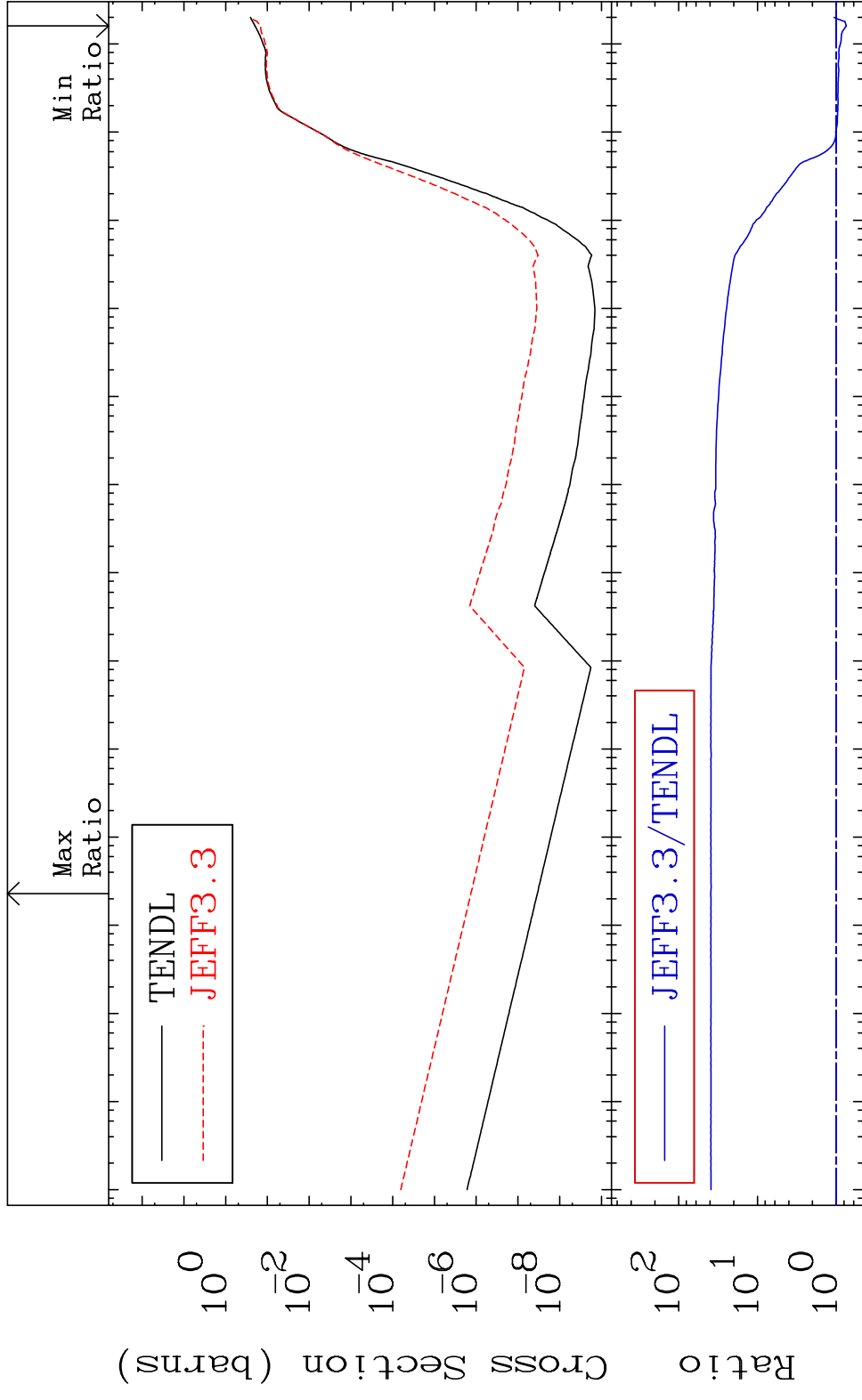


53

Incident Energy (eV)

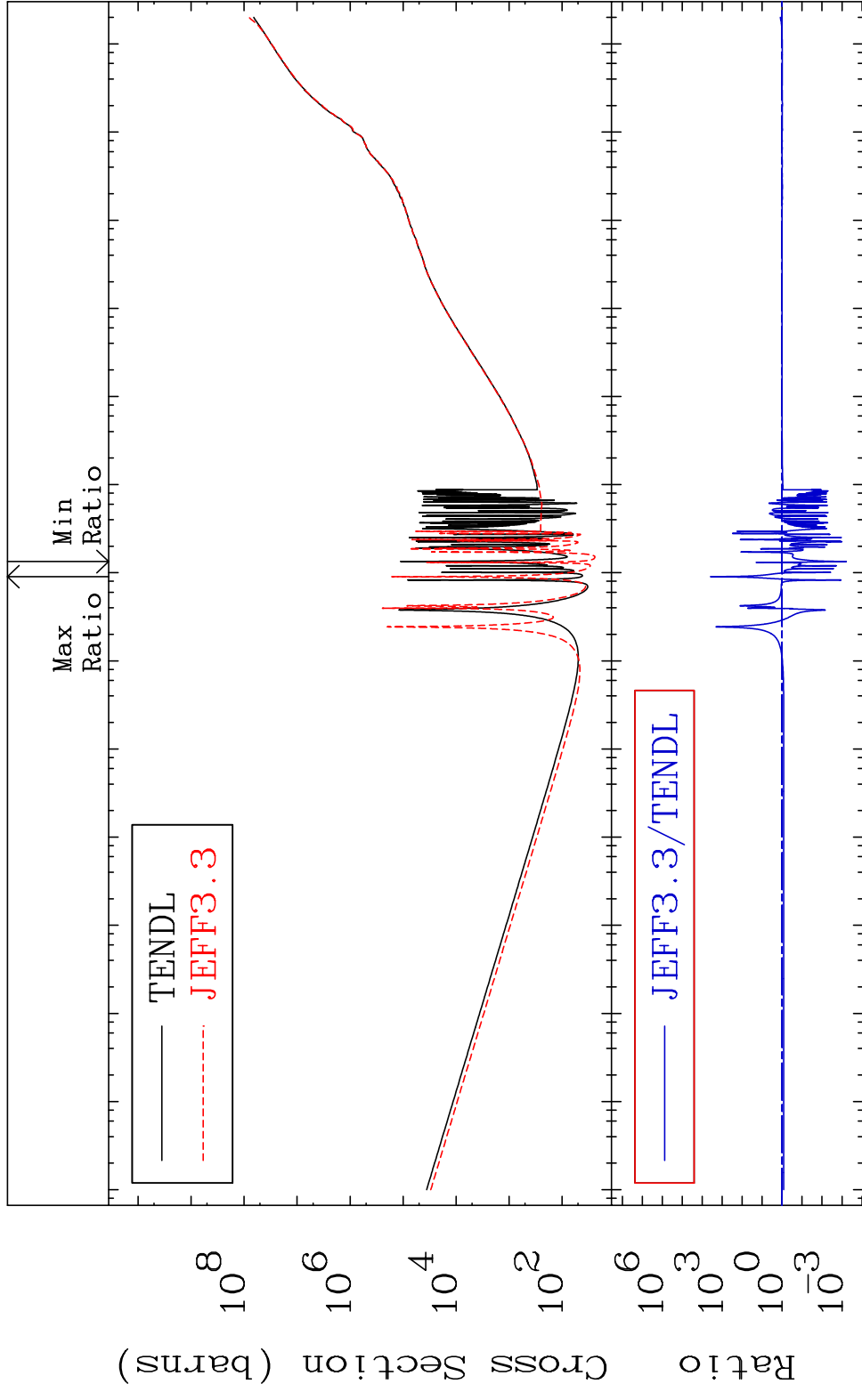
45-Rh-101

MAT 4519 He-4 Production 45-Rh-101
 Cross Section -25.49 To 3815. %



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

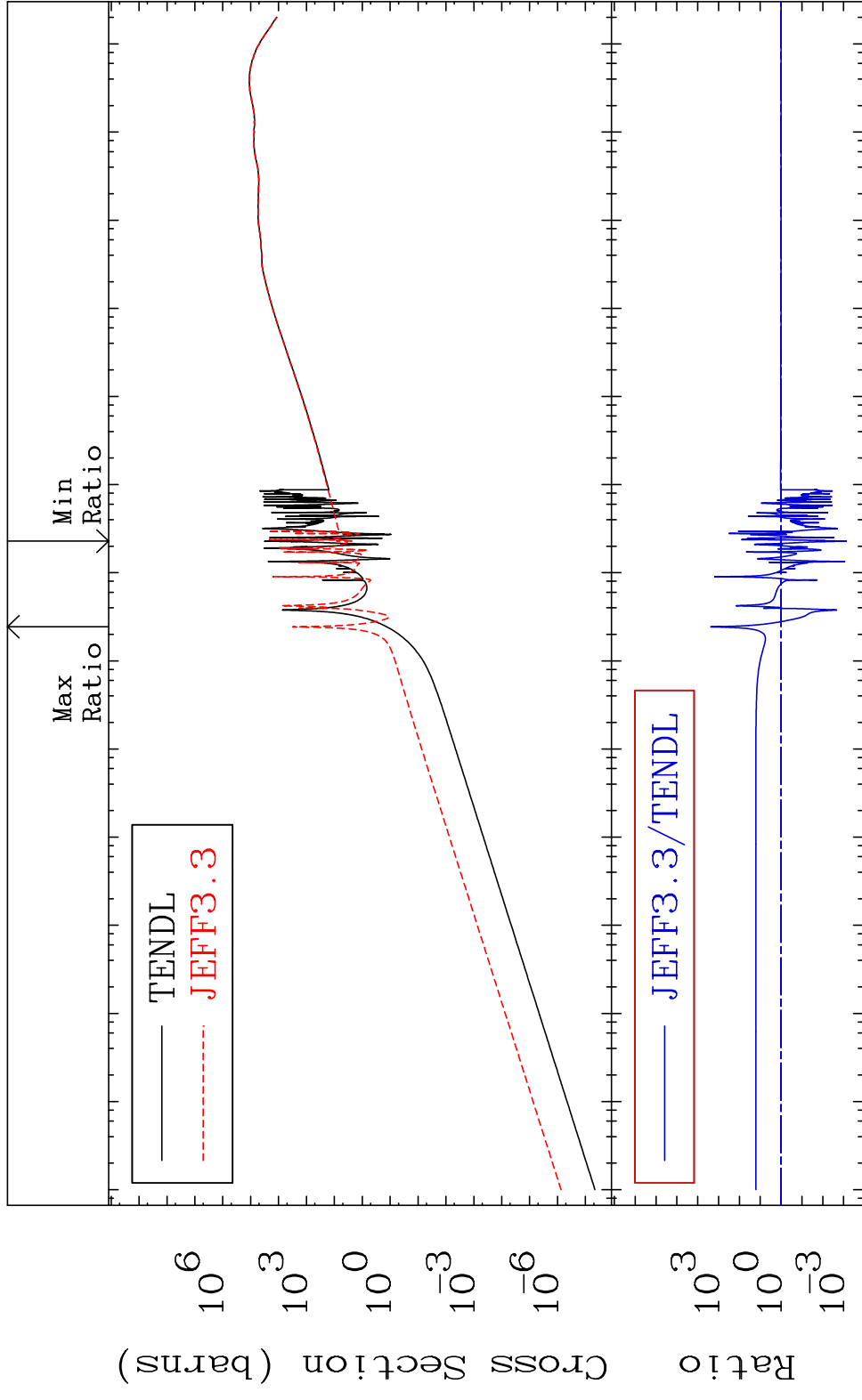
MAT 4519 Kerma total (eV-barns) 45-Rh-101
 Cross Section -99.94 To 9999. %



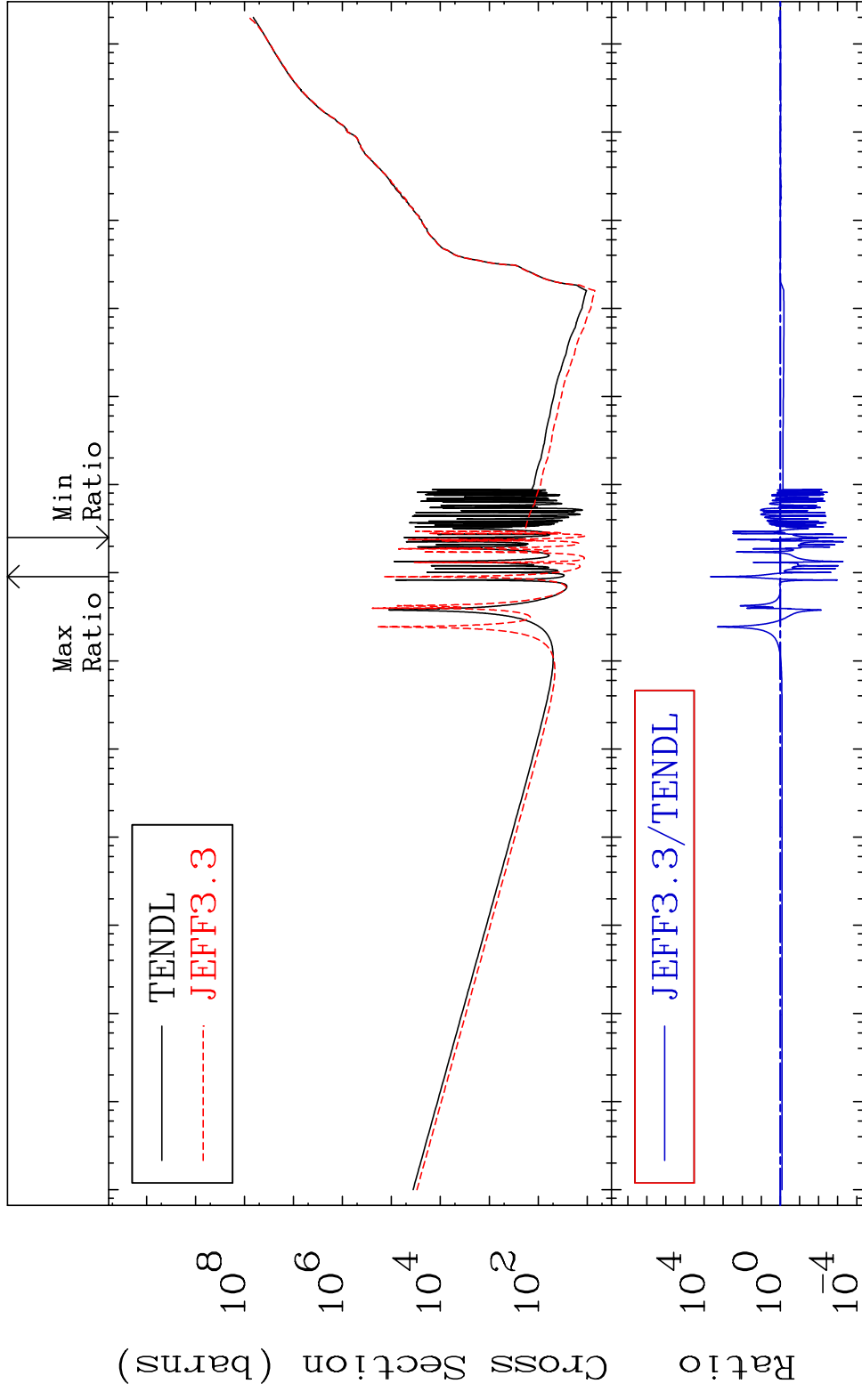
MAT 4519

Kerma elastic Cross Section -99.93 To 9999. %

45-Rh-101

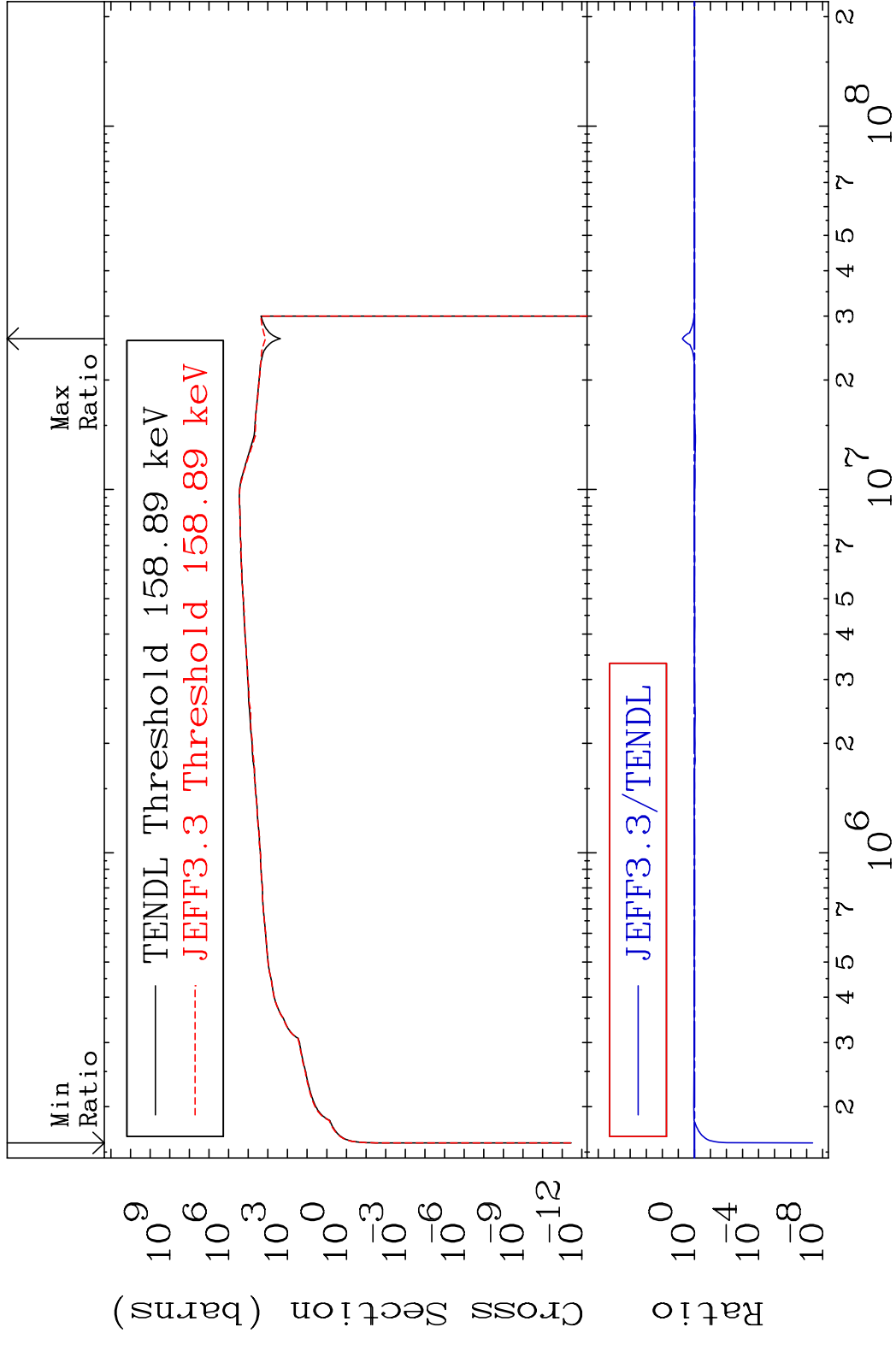


MAT 4519 Kerma non-elastic (all but mt2) 45-Rh-101
 Cross Section -99.96 To 9999. %

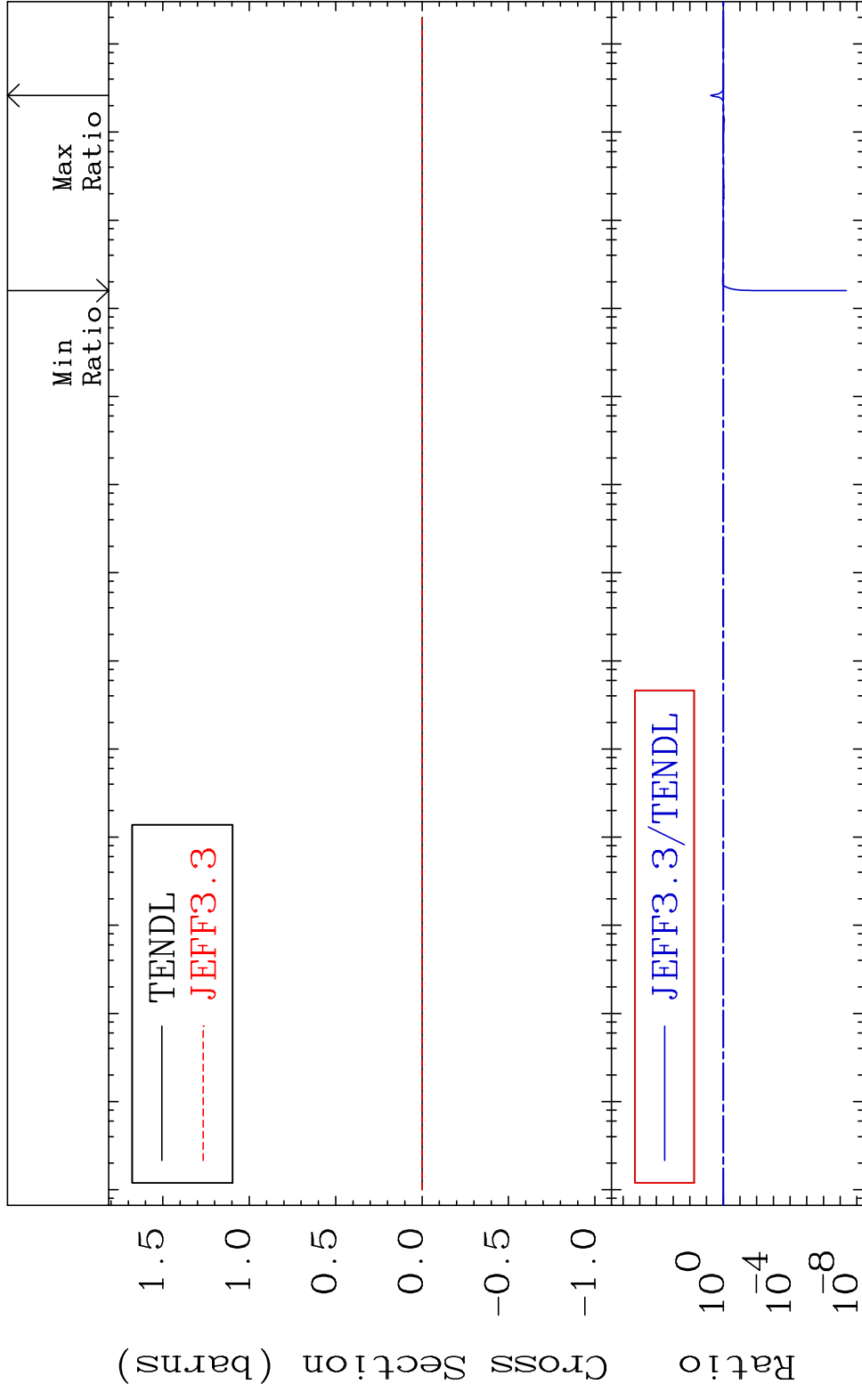


57 Incident Energy (eV) 45-Rh-101

MAT 4519 Kerma inelastic (mt51-91) 45-Rh-101
 Cross Section -100.0 To 463.6 %

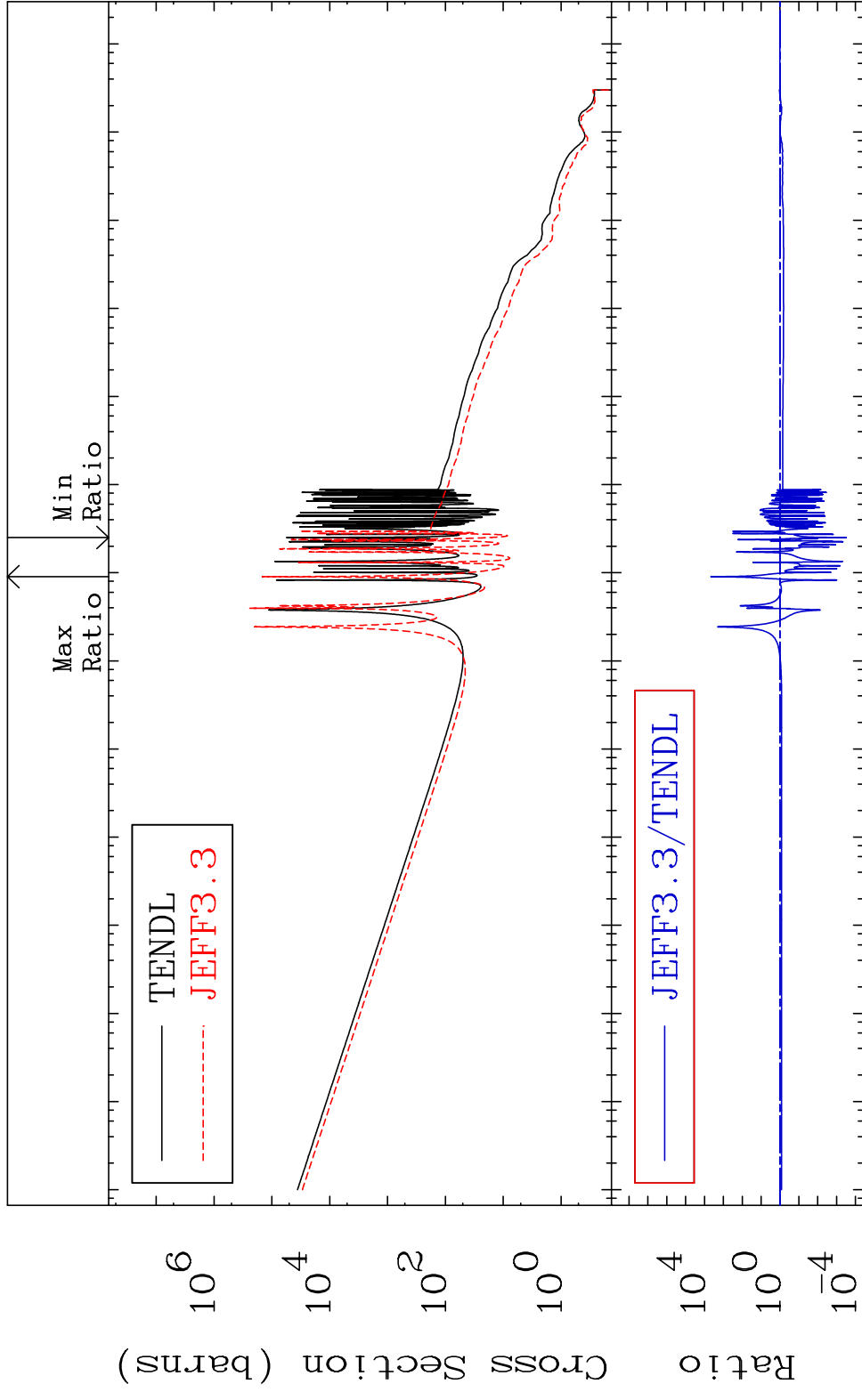


MAT 4519 Kerma fission (mt18 or mt19-20-21-38) 45-Rh-101
 Cross Section -100.0 To 463.6 %



MAT 4519

Kerma capture (mt102) 45-Rh-101
Cross Section -99.97 To 9999. %



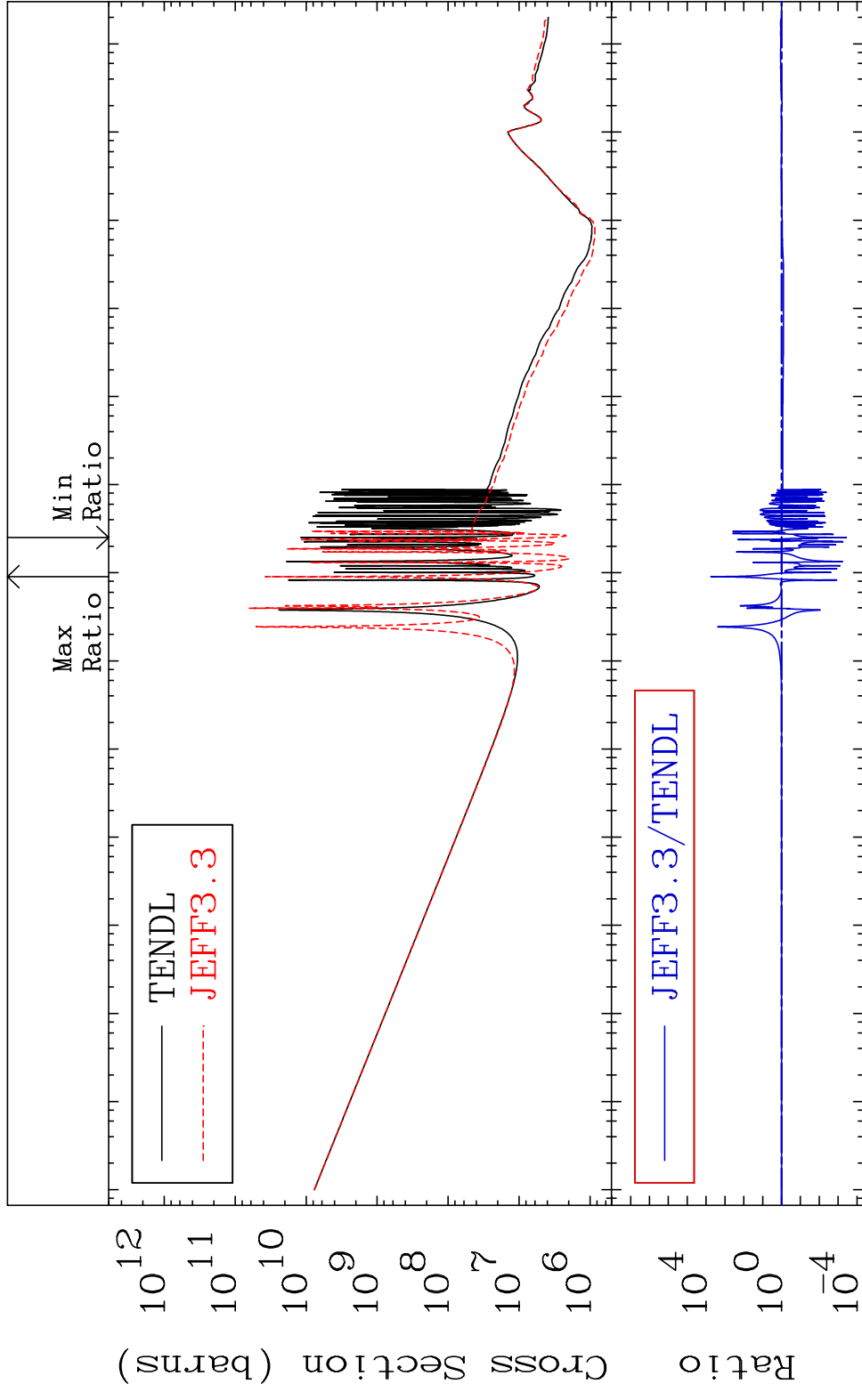
60

Incident Energy (eV)

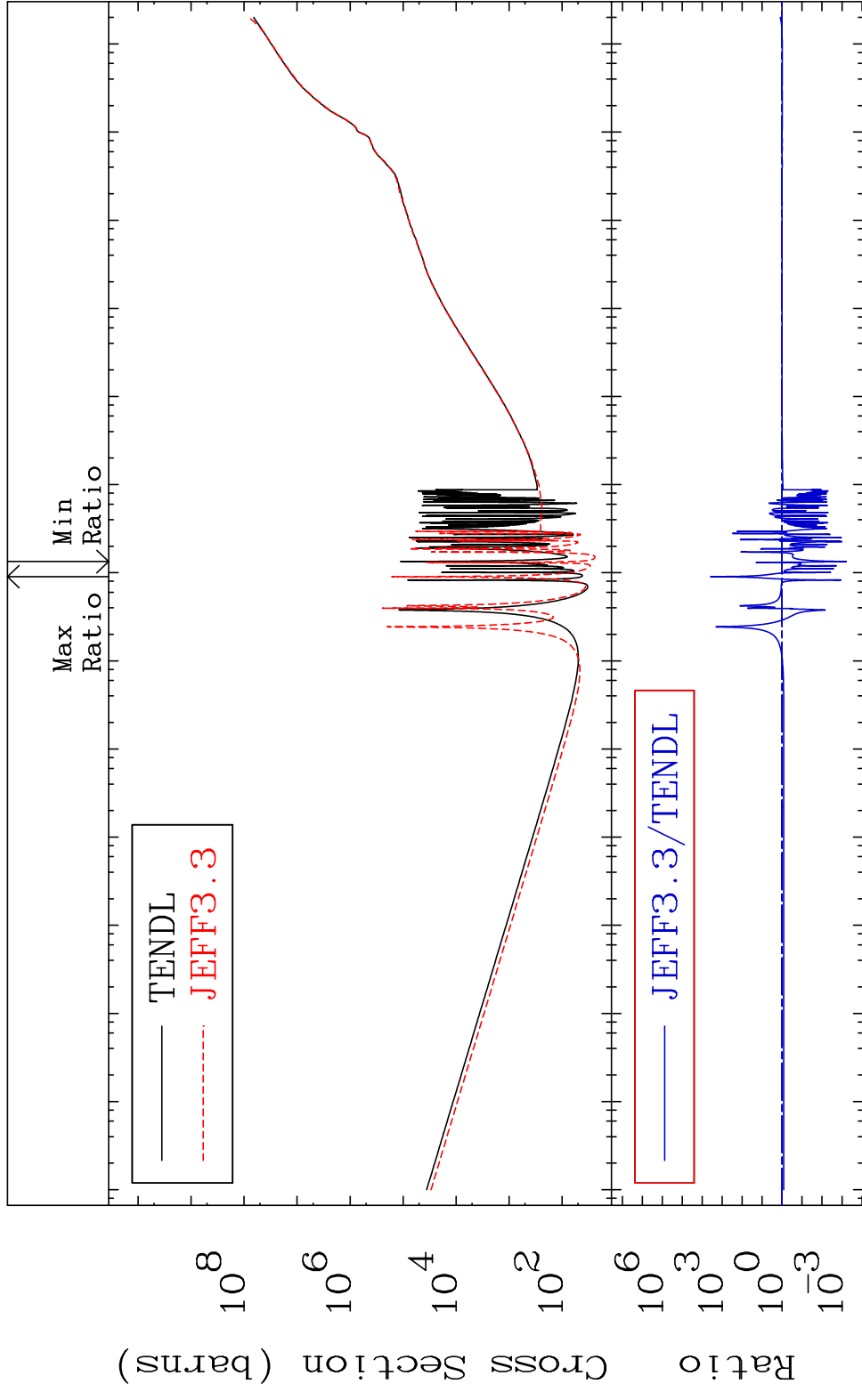
45-Rh-101

MAT 4519

Total photon (eV-barns) 45-Rh-101
Cross Section -99.96 To 9999. %



MAT 4519 Total kinematic kerma (high limit) 45-Rh-101
 Cross Section -99.94 To 9999. %



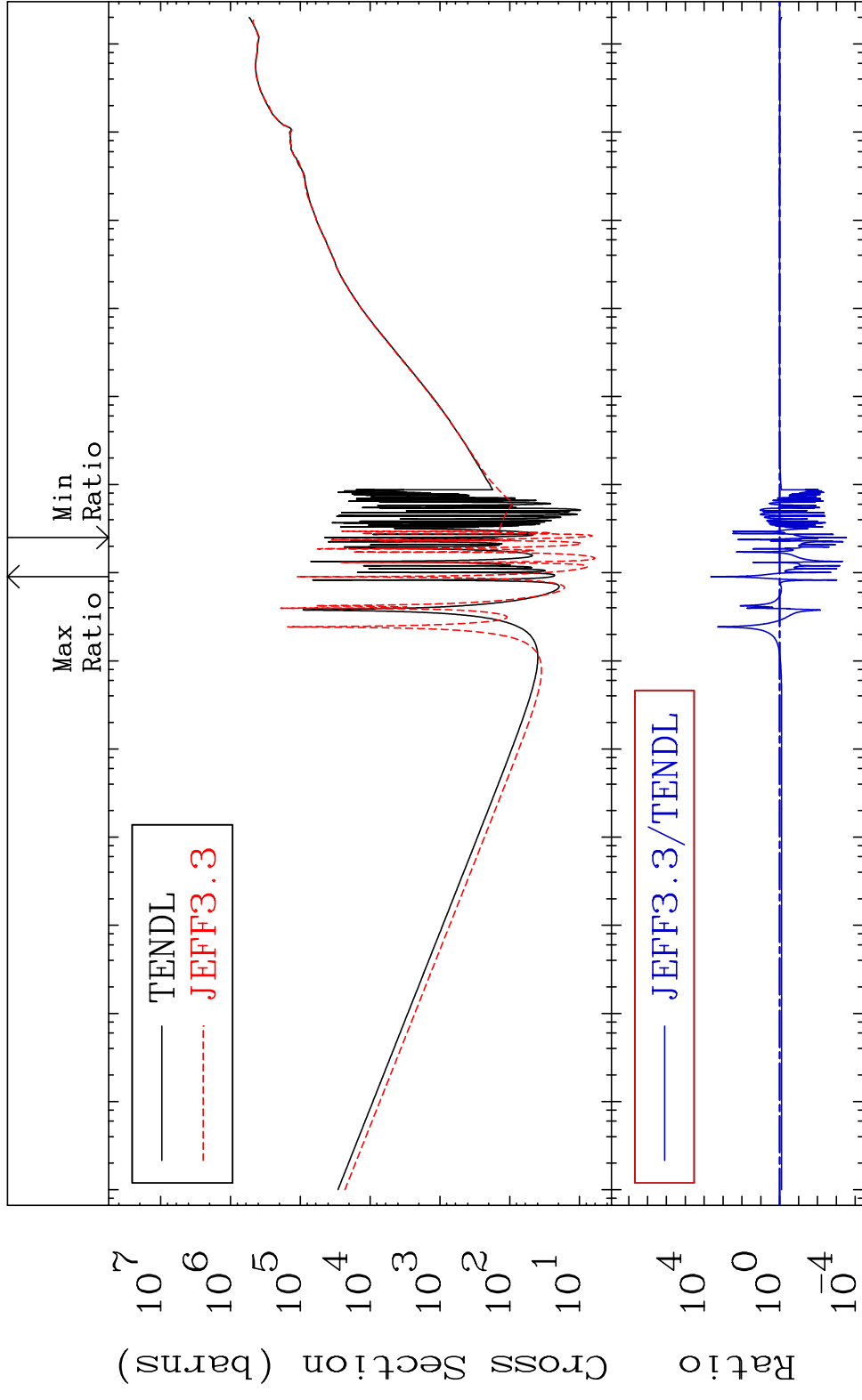
62 Incident Energy (eV) 45-Rh-101

MAT 4519

Dpa total (eV-barns)

45-Rh-101

Cross Section -99.97 To 9999. %



63

Incident Energy (eV)

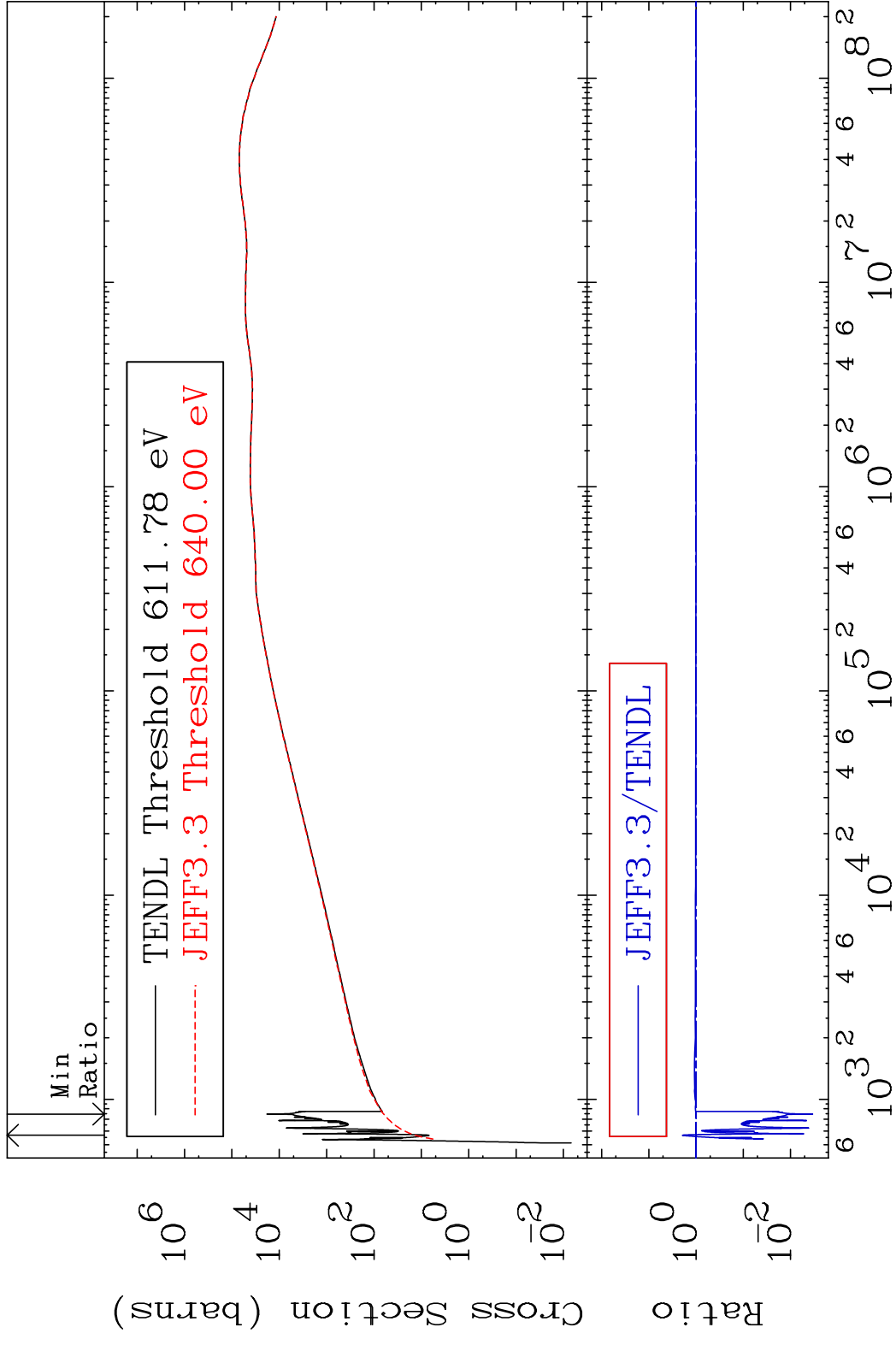
45-Rh-101

MAT 4519

Dpa elastic (mt2)

45-Rh-101

Cross Section -99.66 To 95.17 %

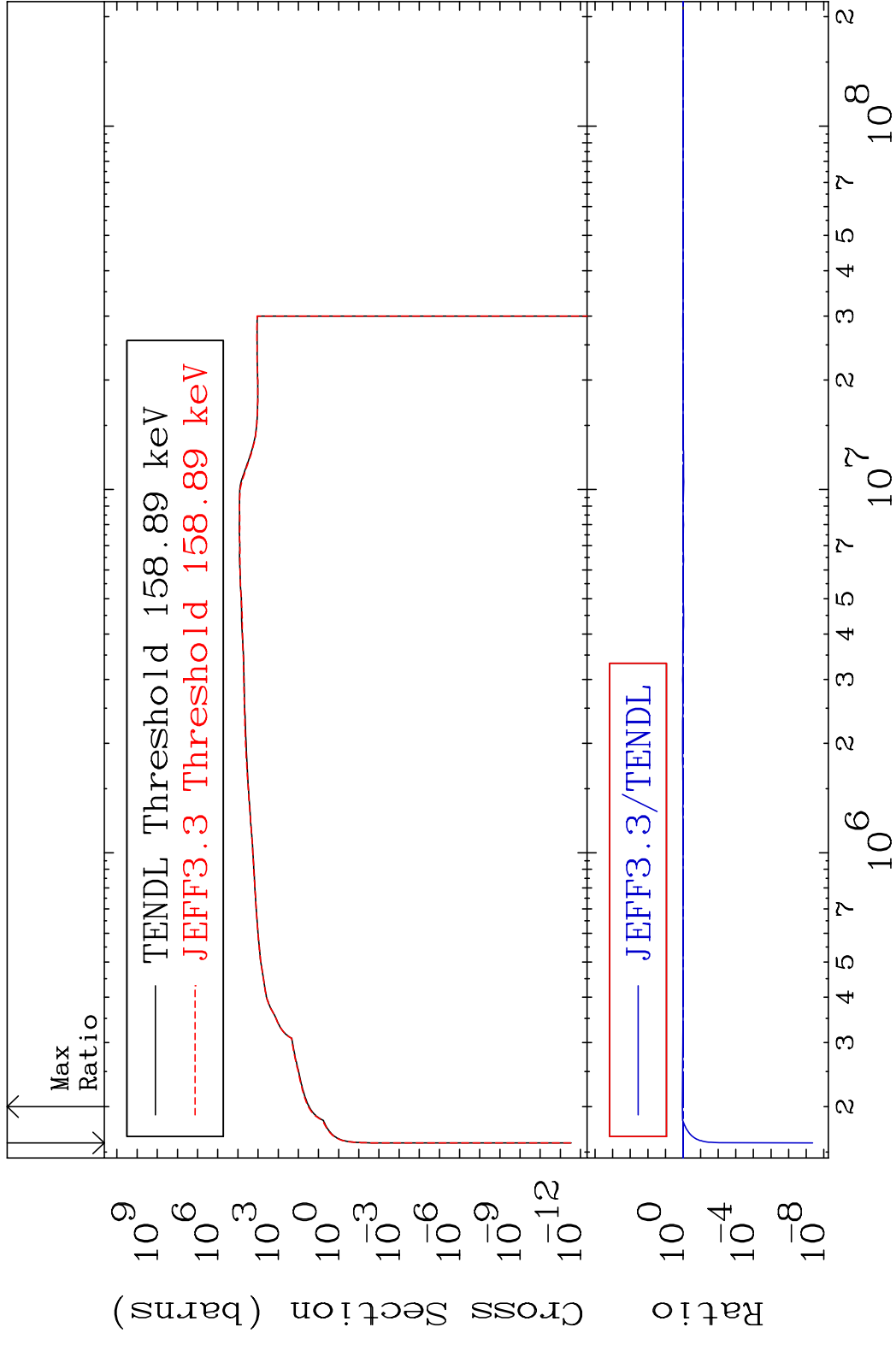


64

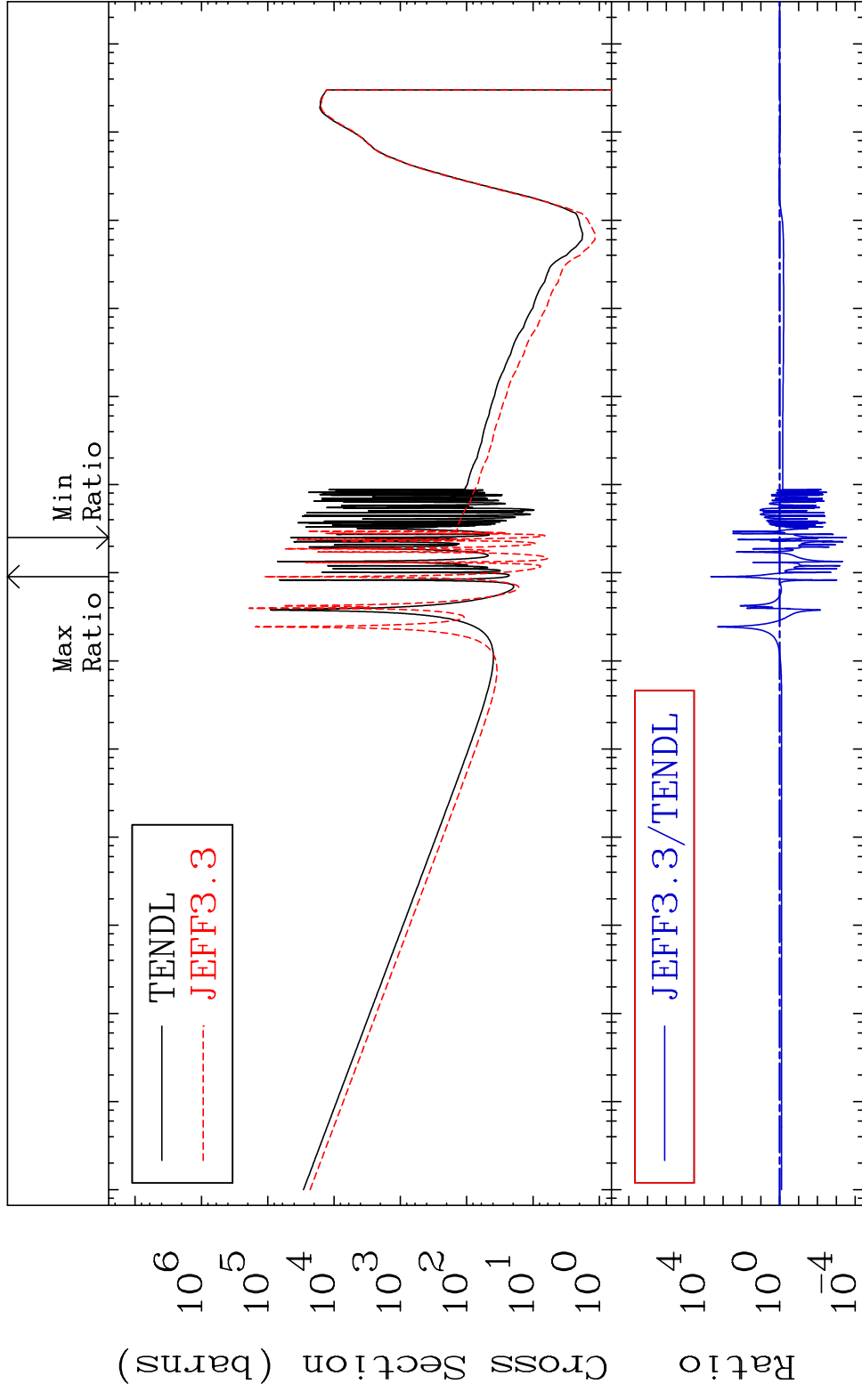
Incident Energy (eV)

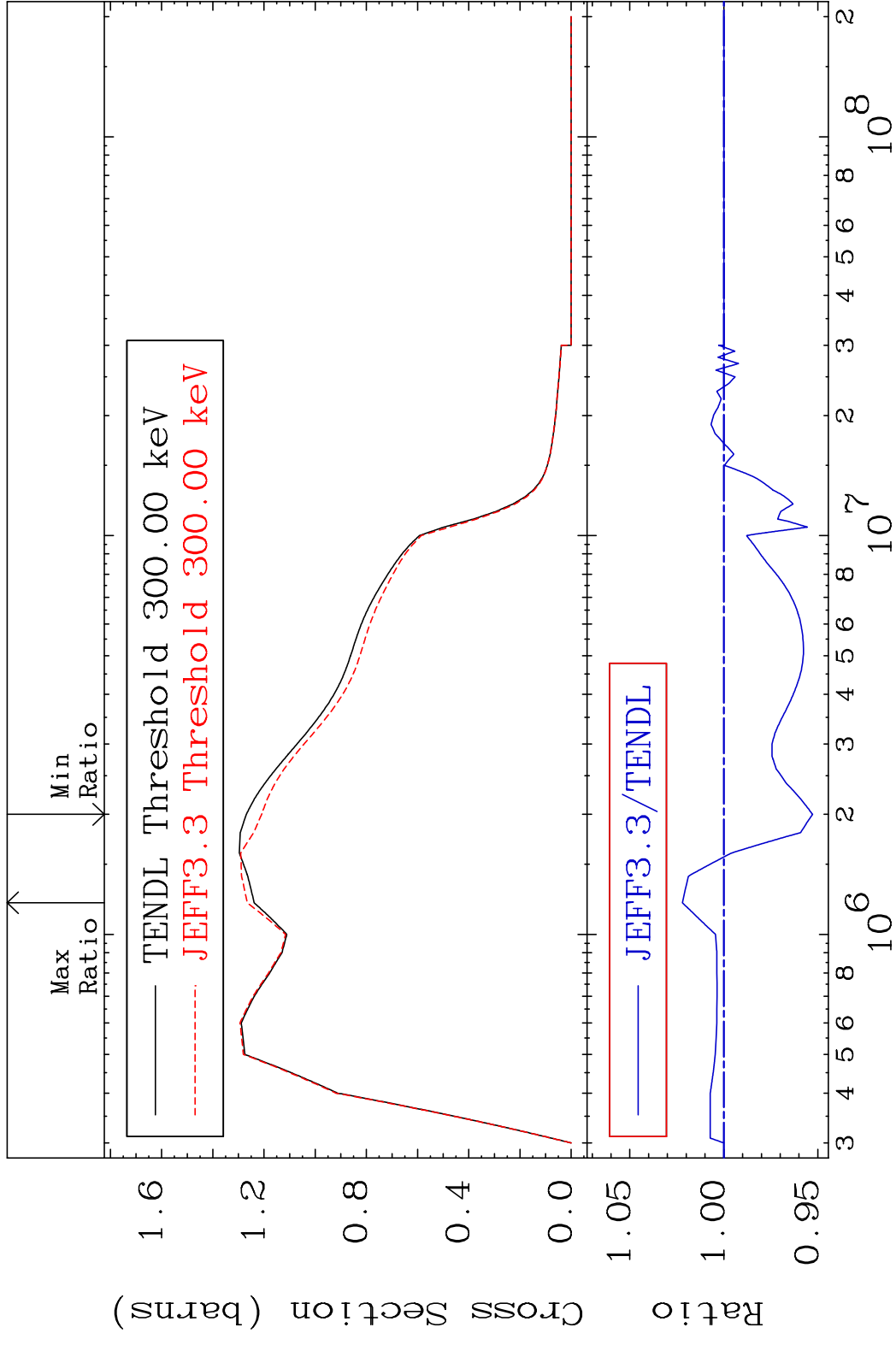
45-Rh-101

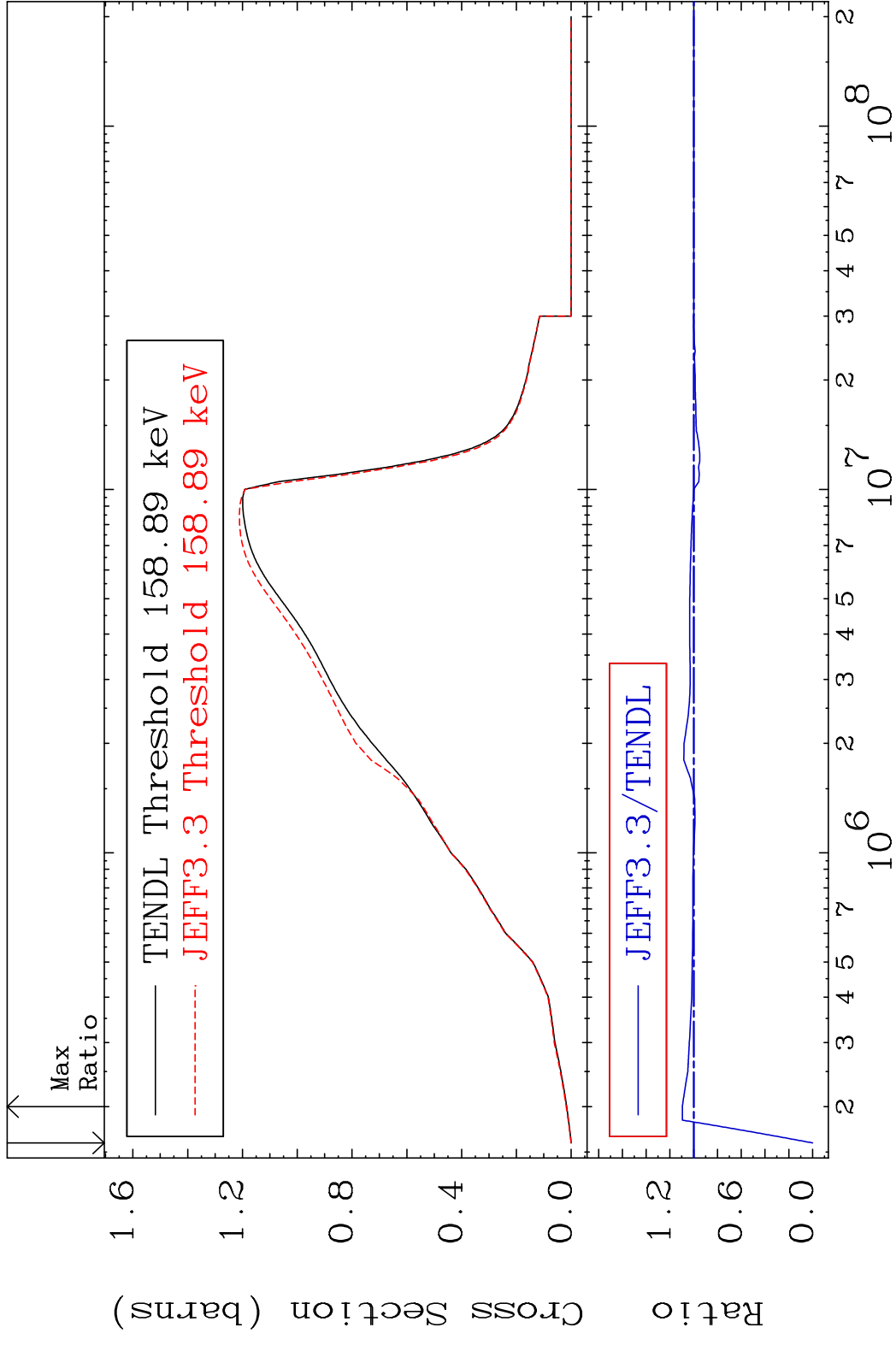
MAT 4519 Dpa inelastic (mt51-91) 45-Rh-101
 Cross Section -100.0 To 9.442 %



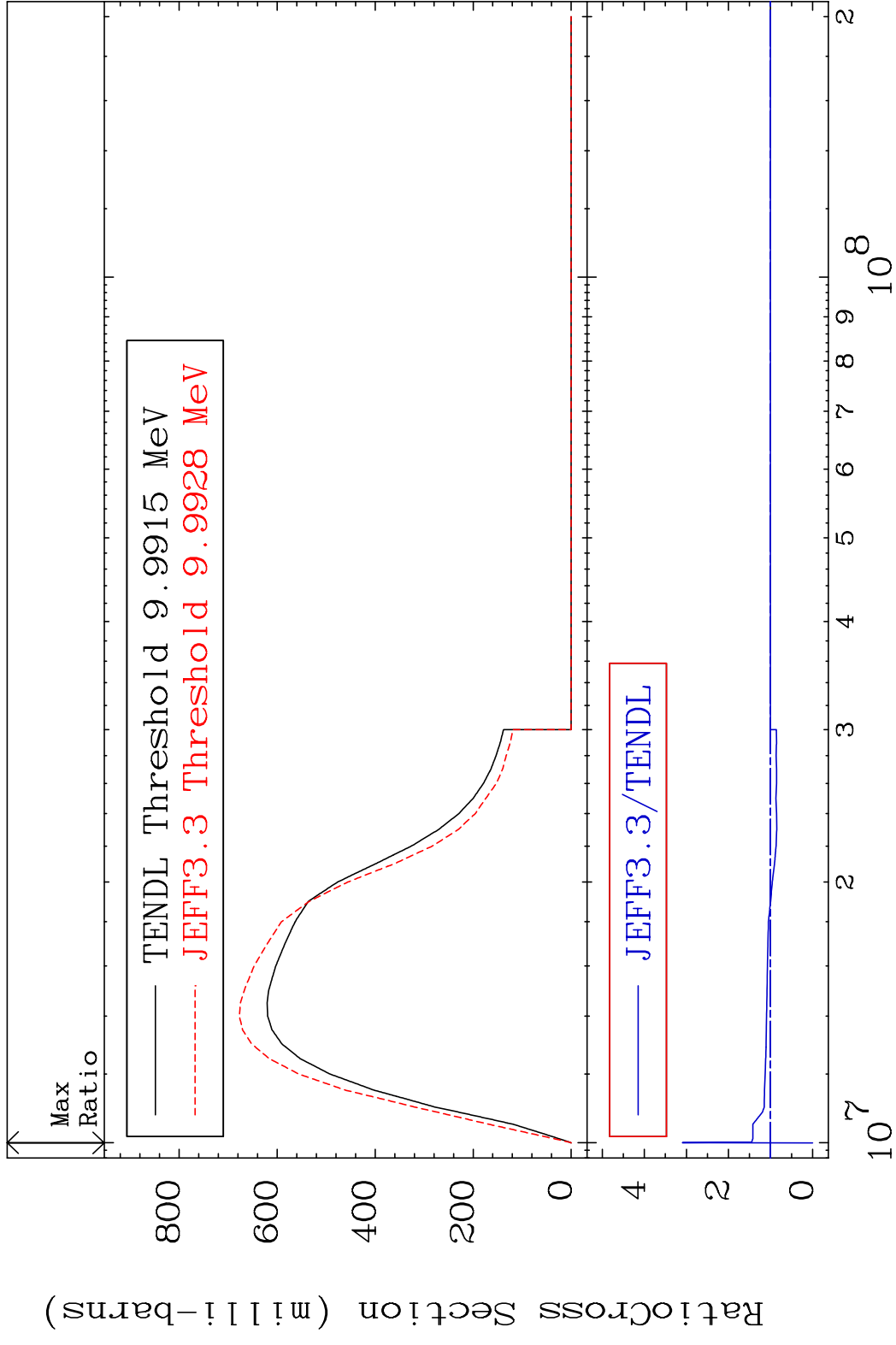
MAT 4519 Dpa disappearance (mt102 -120) 45-Rh-101
 Cross Section -99.97 To 9999. %





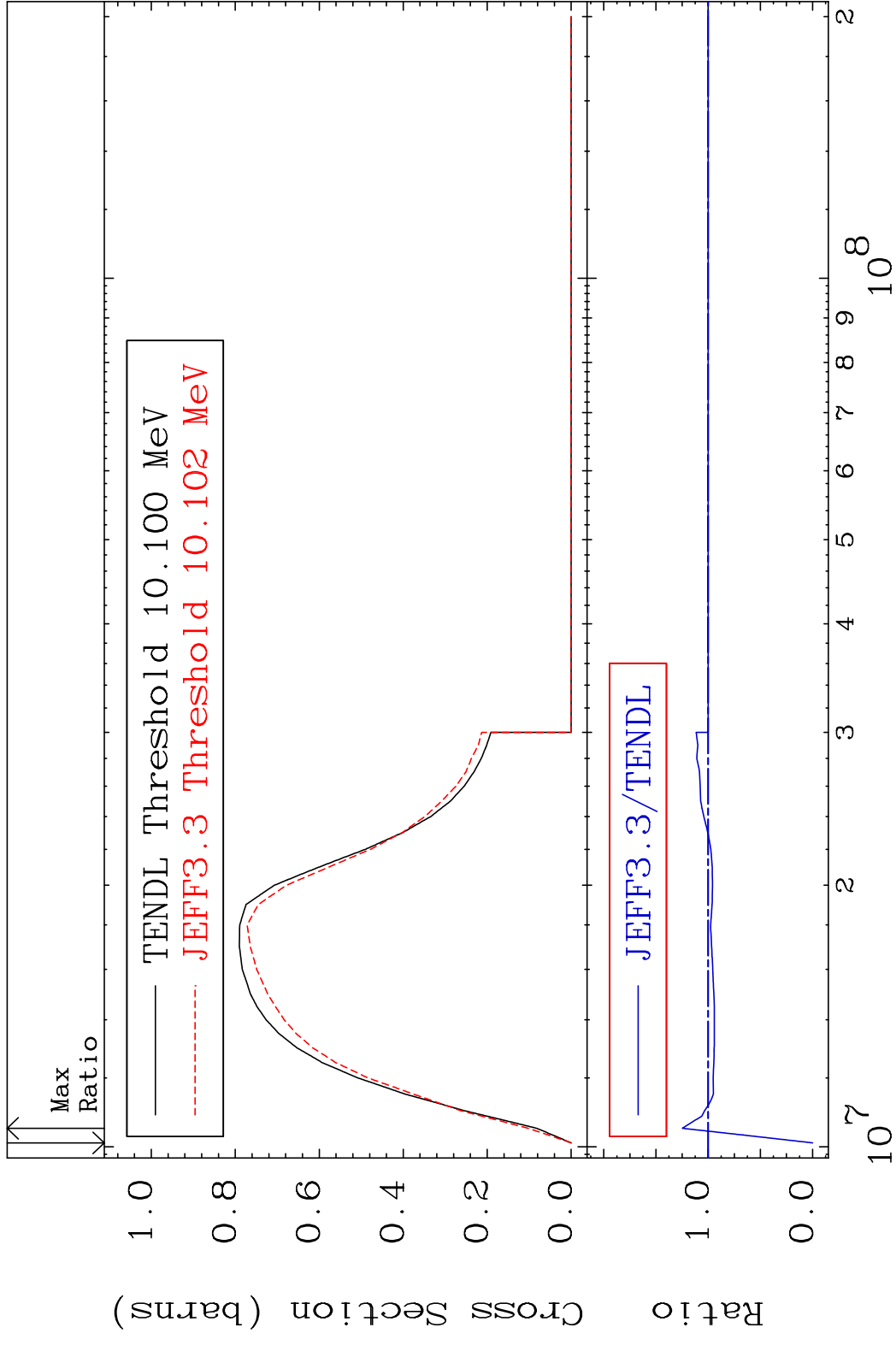


MAT 4519 (n,2n):45-Rh-100g 45-Rh-101
 Radionuclide Production Cross Section 180.0 dth 209.6 %



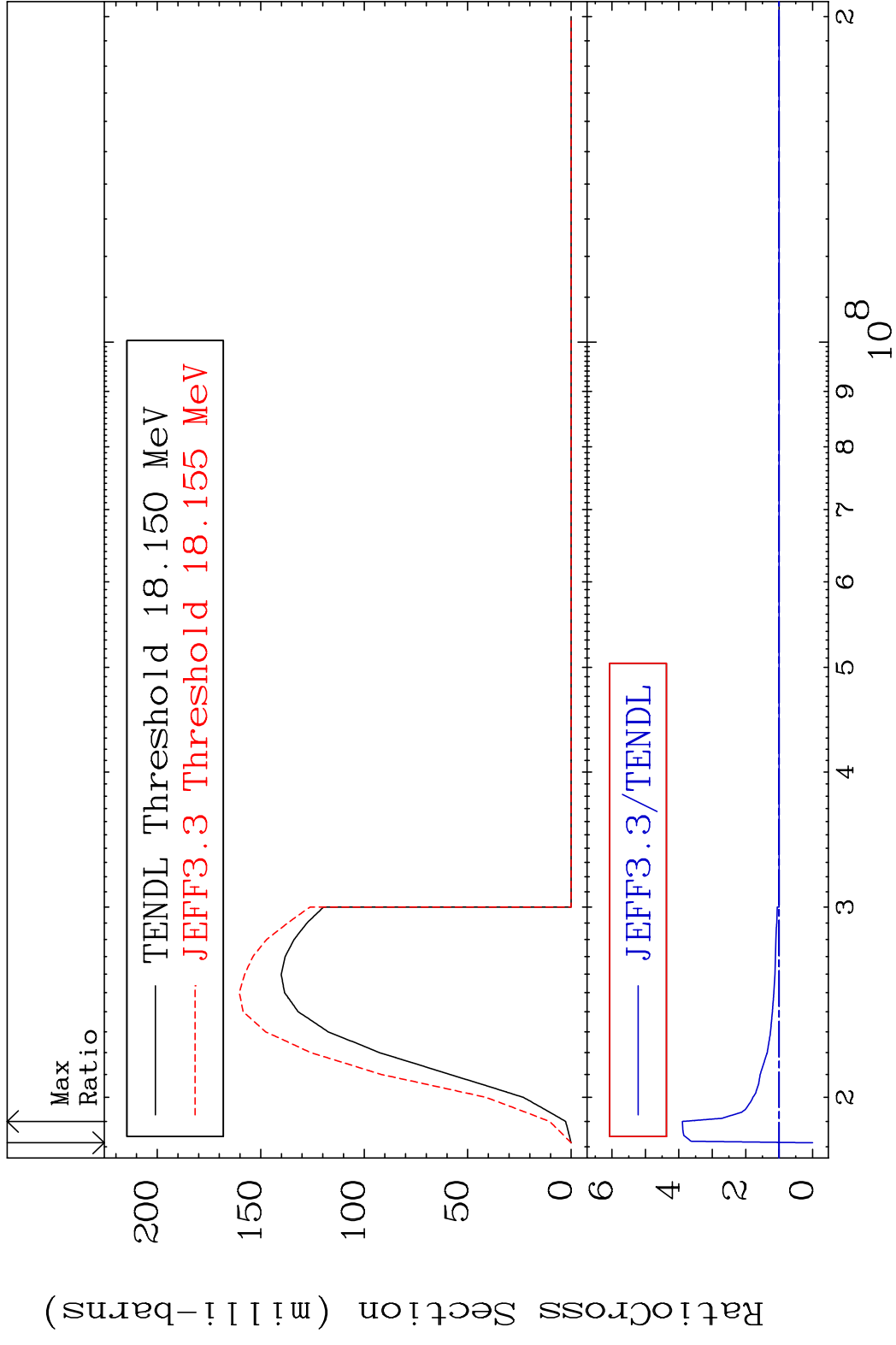
69 Incident Energy (eV) 45-Rh-101

MAT 4519 (n,2n):45-Rh-100m4 45-Rh-101
 Radionuclide Production Cross Section 180.01 dno 24.75 %

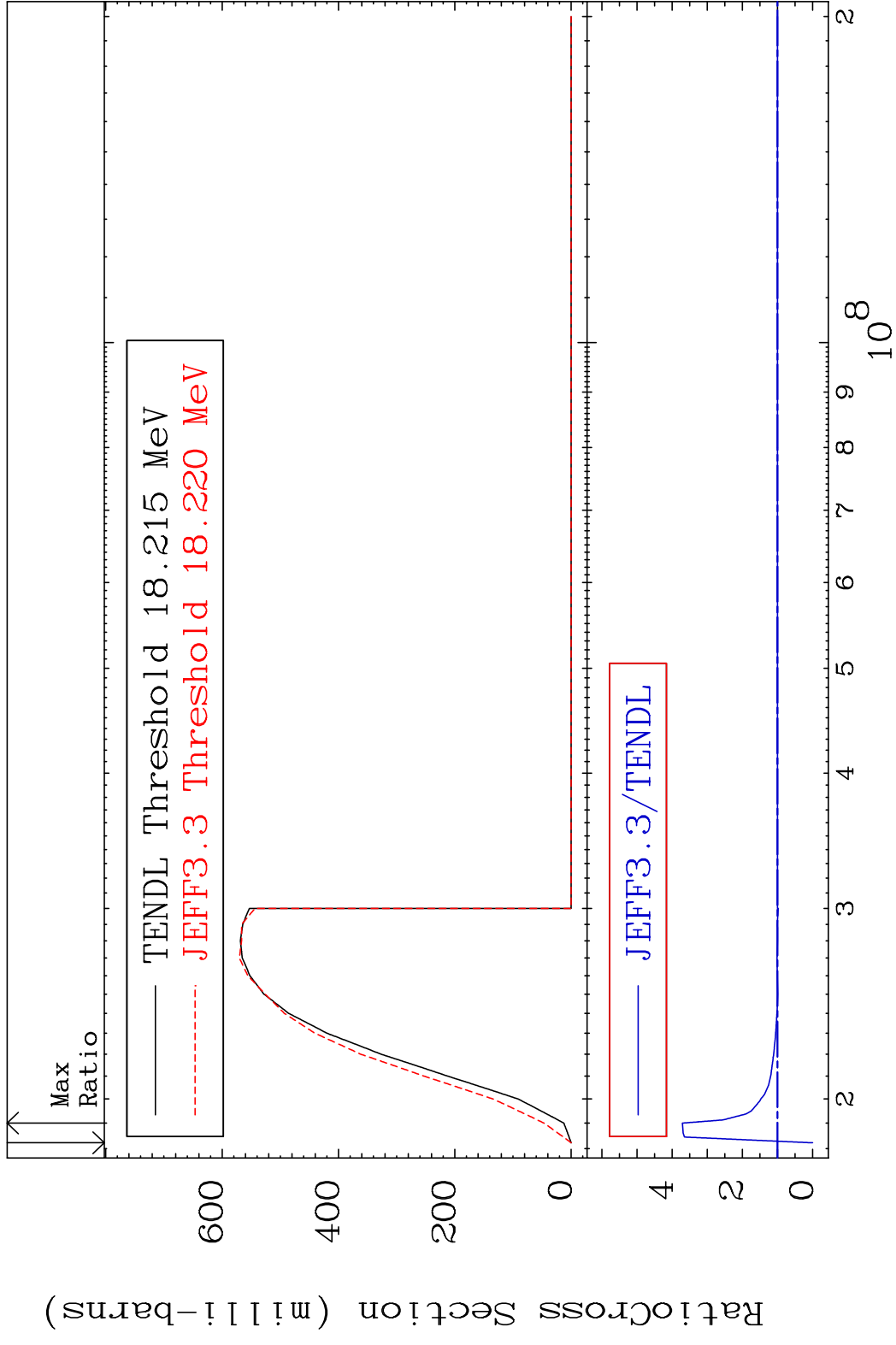


70 Incident Energy (eV) 45-Rh-101

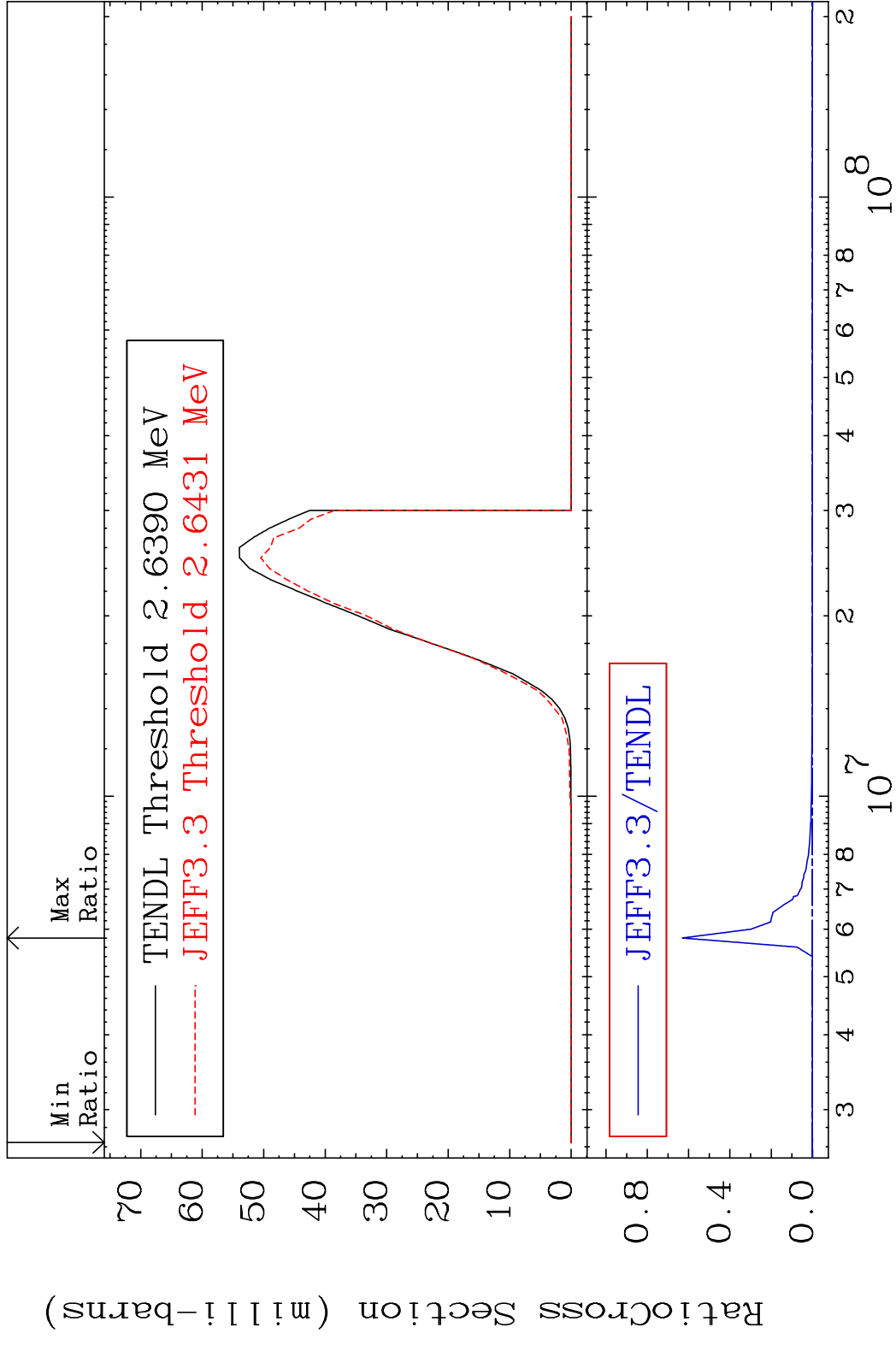
MAT 4519 (n,3n):45-Rh-99g 45-Rh-101
 Radionuclide Production Cross Section 18.155 MeV 289.5 %

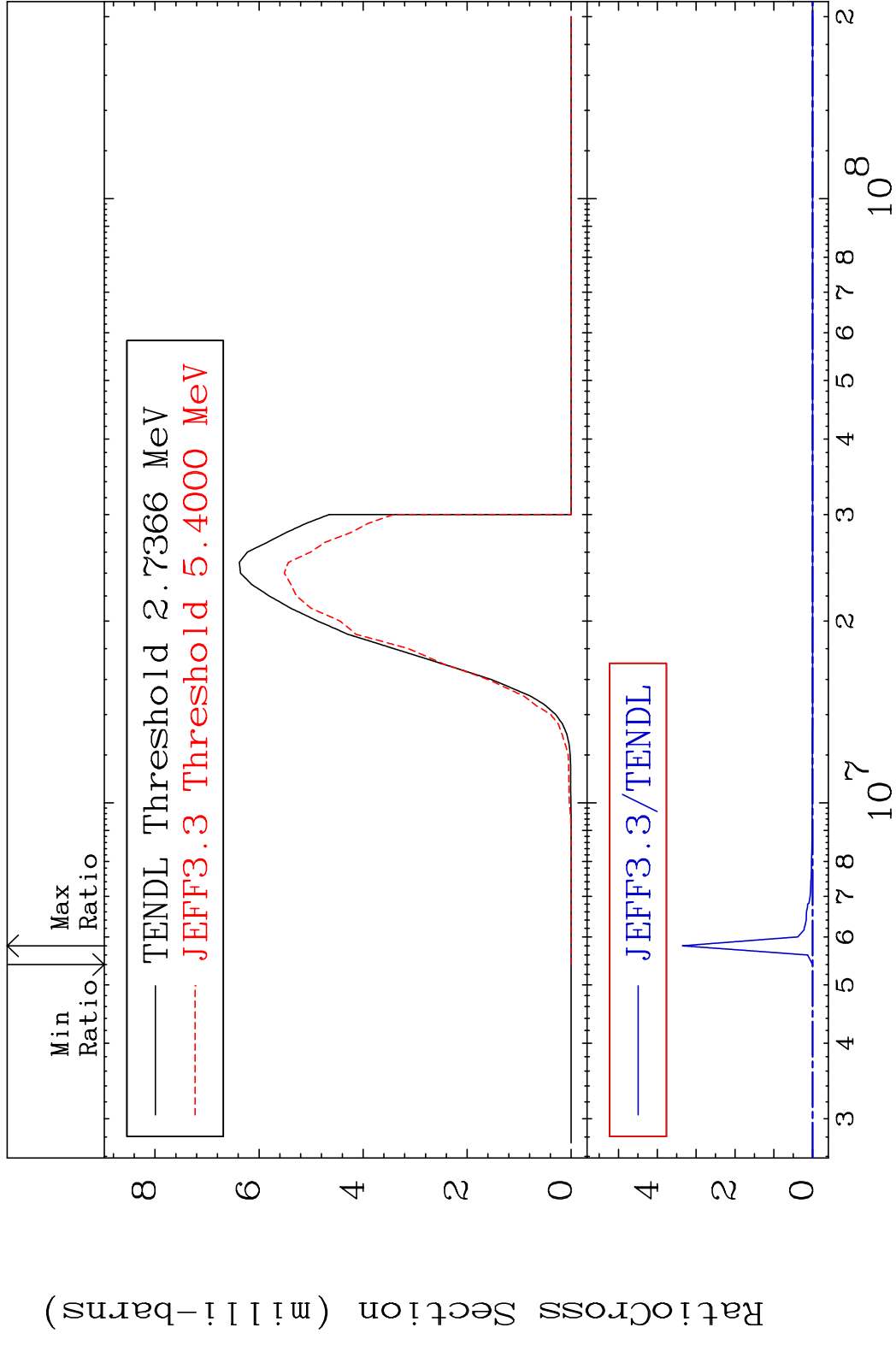


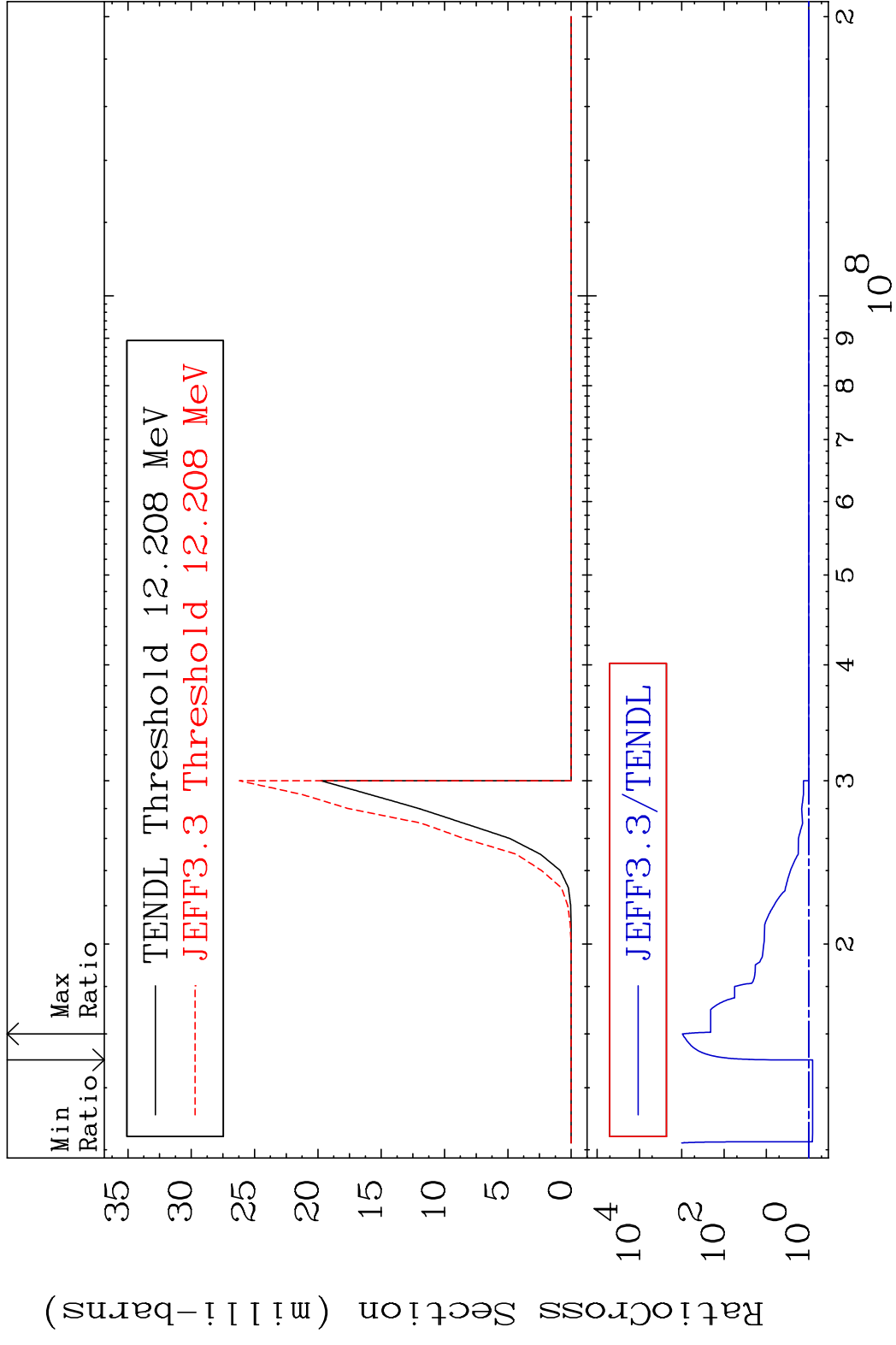
MAT 4519 (n,3n):45-Rh-99m1 45-Rh-101
 Radionuclide Production Cross Section 18.215 MeV 270.9 %

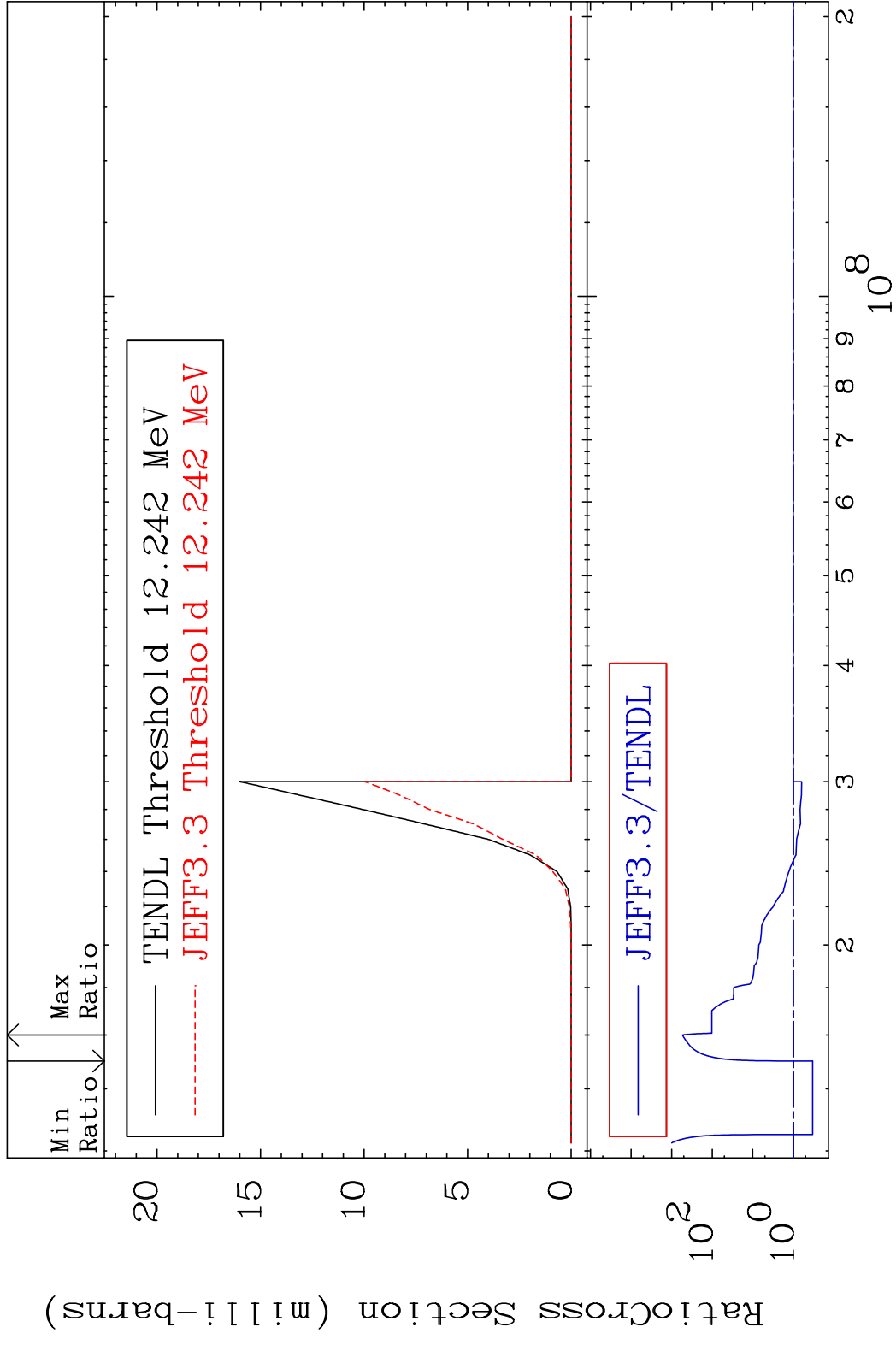


MAT 4519 (n, n') α :43-Tc-97g 45-Rh-101
 Radionuclide Production Cross Section 100% 9999. %

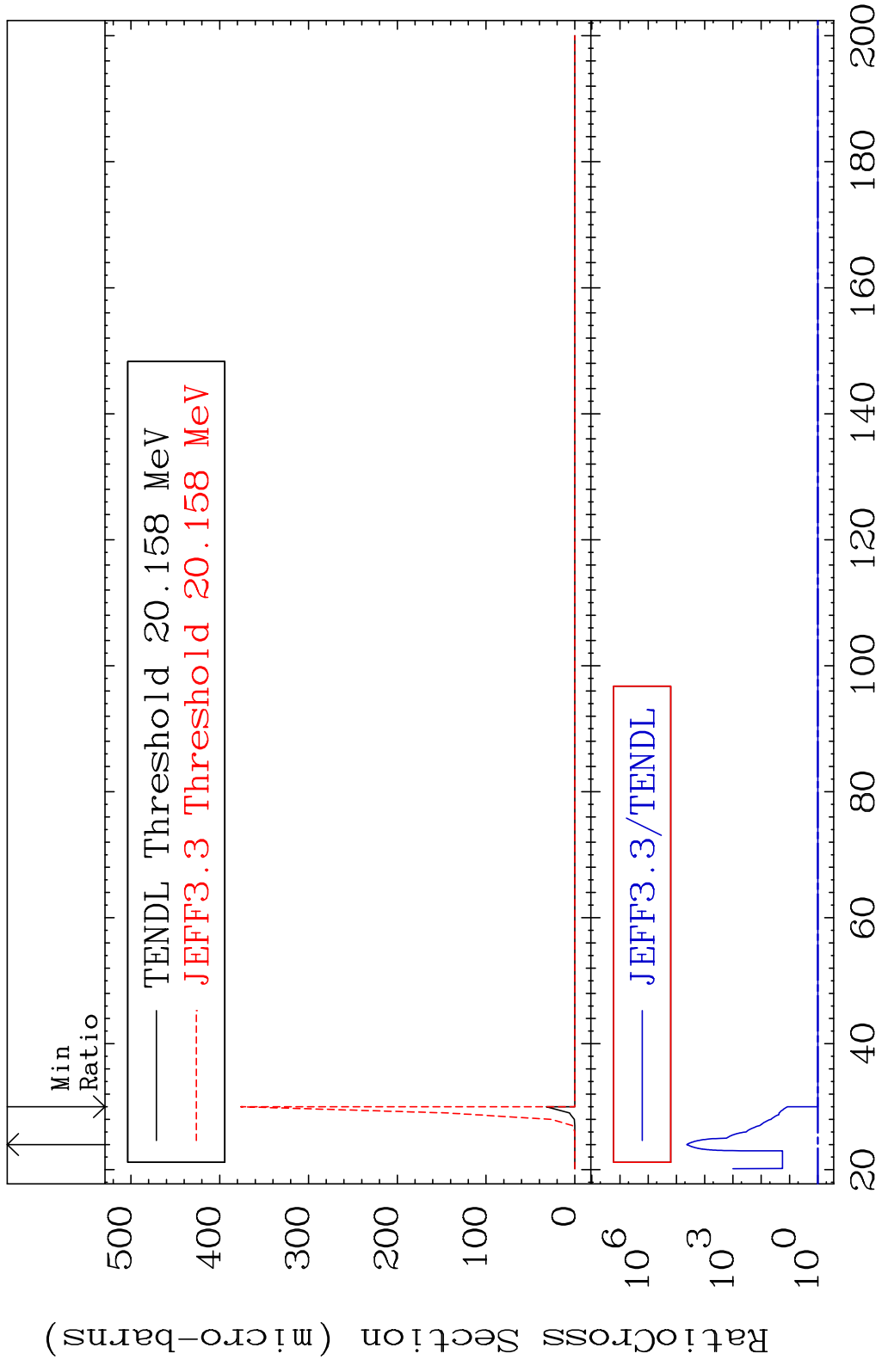




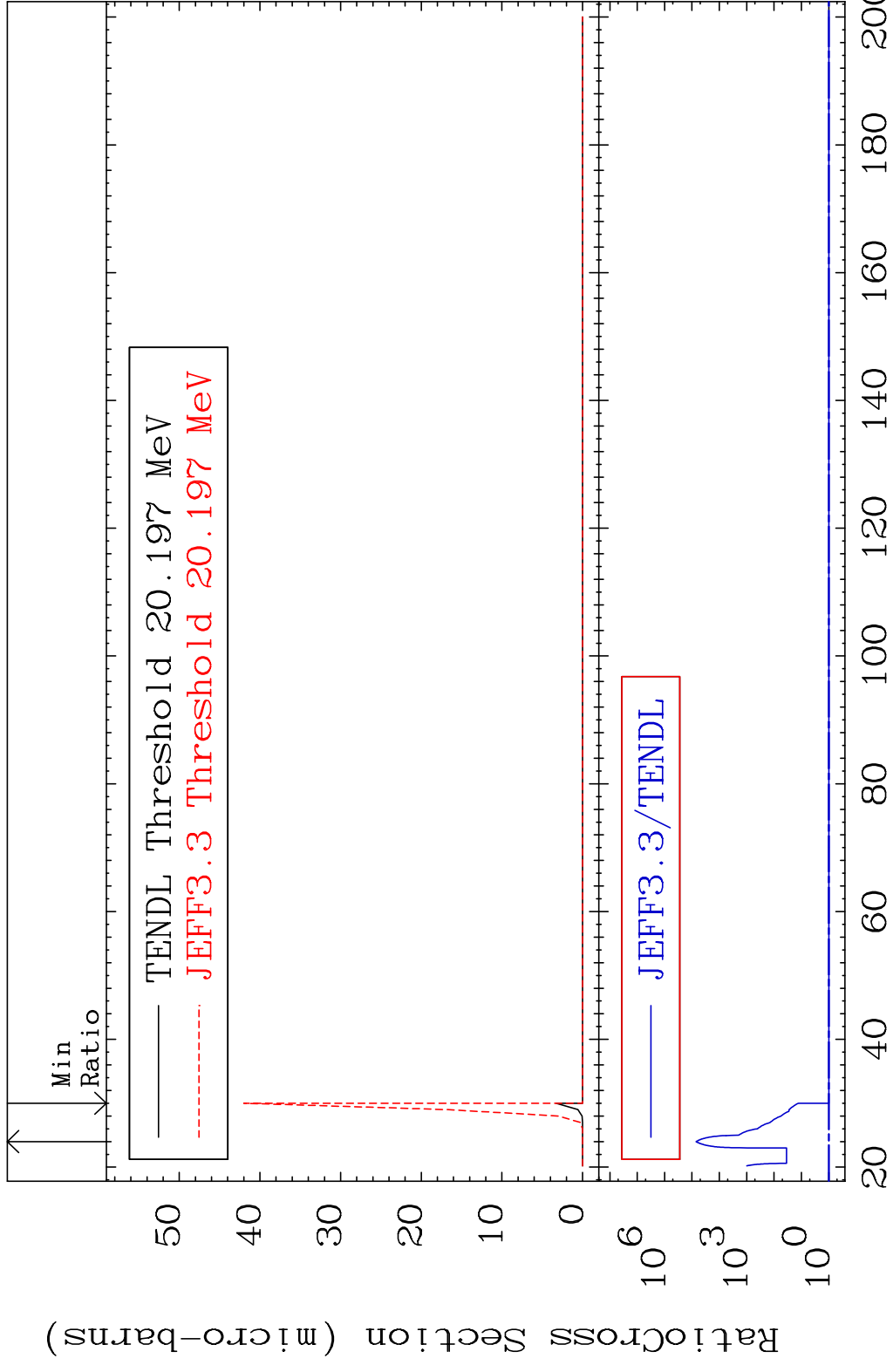


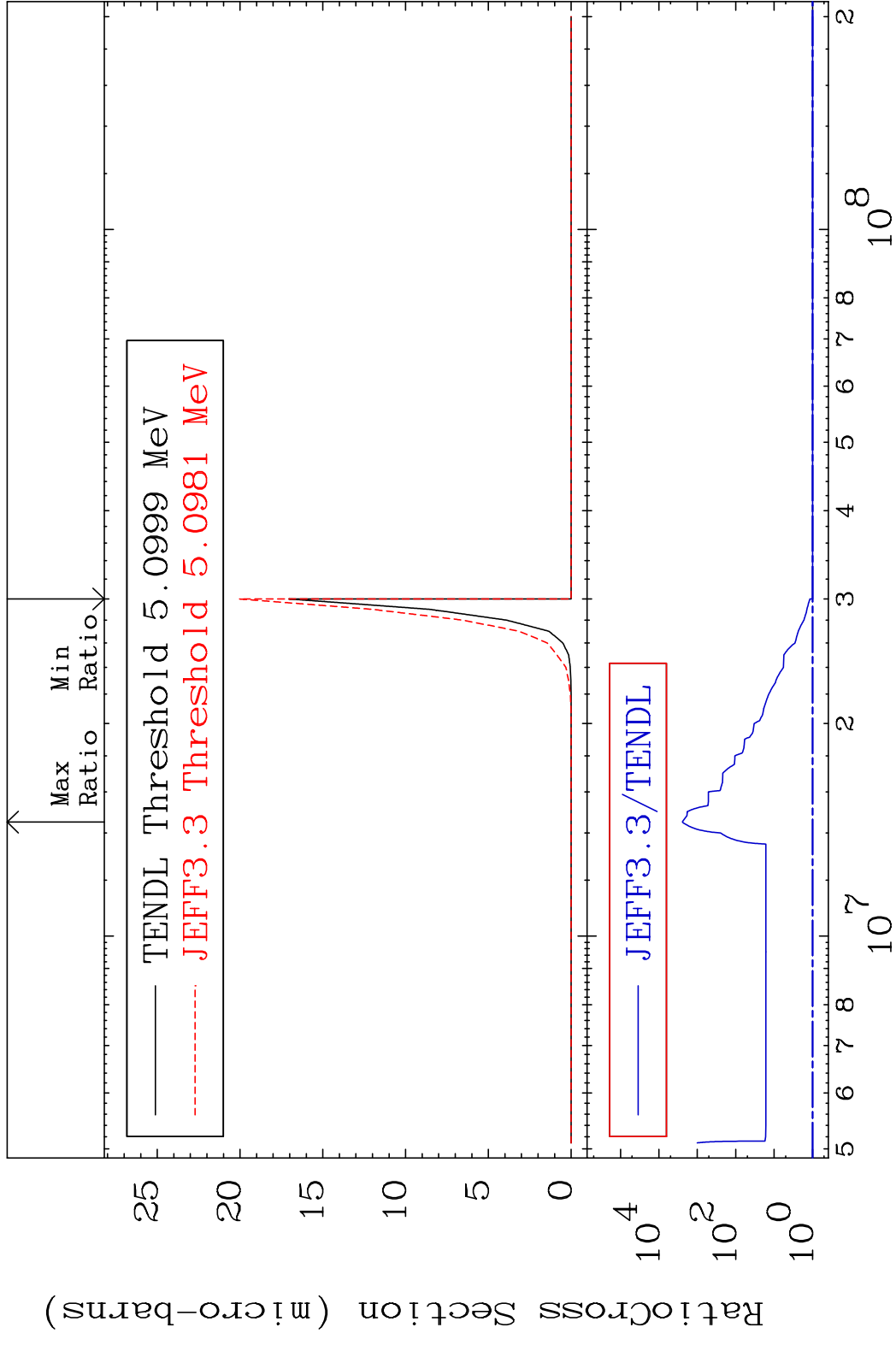


MAT 4519 (n,3n) α :43-Tc-95g 45-Rh-101
 Radionuclide Production Cross Section 9999. %

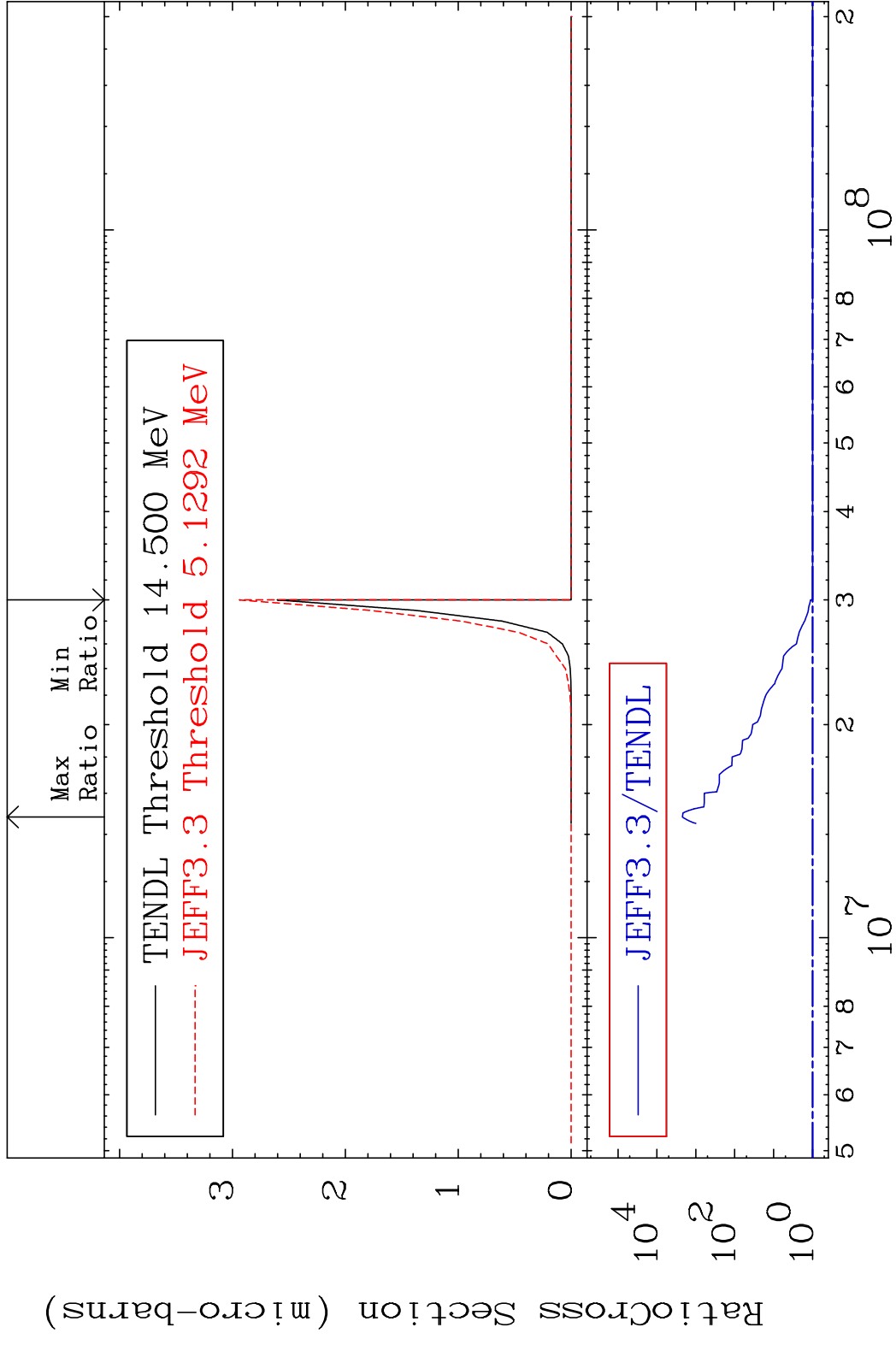


MAT 4519 (n,3n) α :43-Tc-95m1 45-Rh-101
 Radionuclide Production Cross Section, %





MAT 4519 (n, n') 2α:41-Nb-93m1 45-Rh-101
 Radionuclide Production Cross Section 9999. %



MAT 4519 (n,4n):45-Rh-98g 45-Rh-101
 Radionuclide Production Cross Section 9999. %

