

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

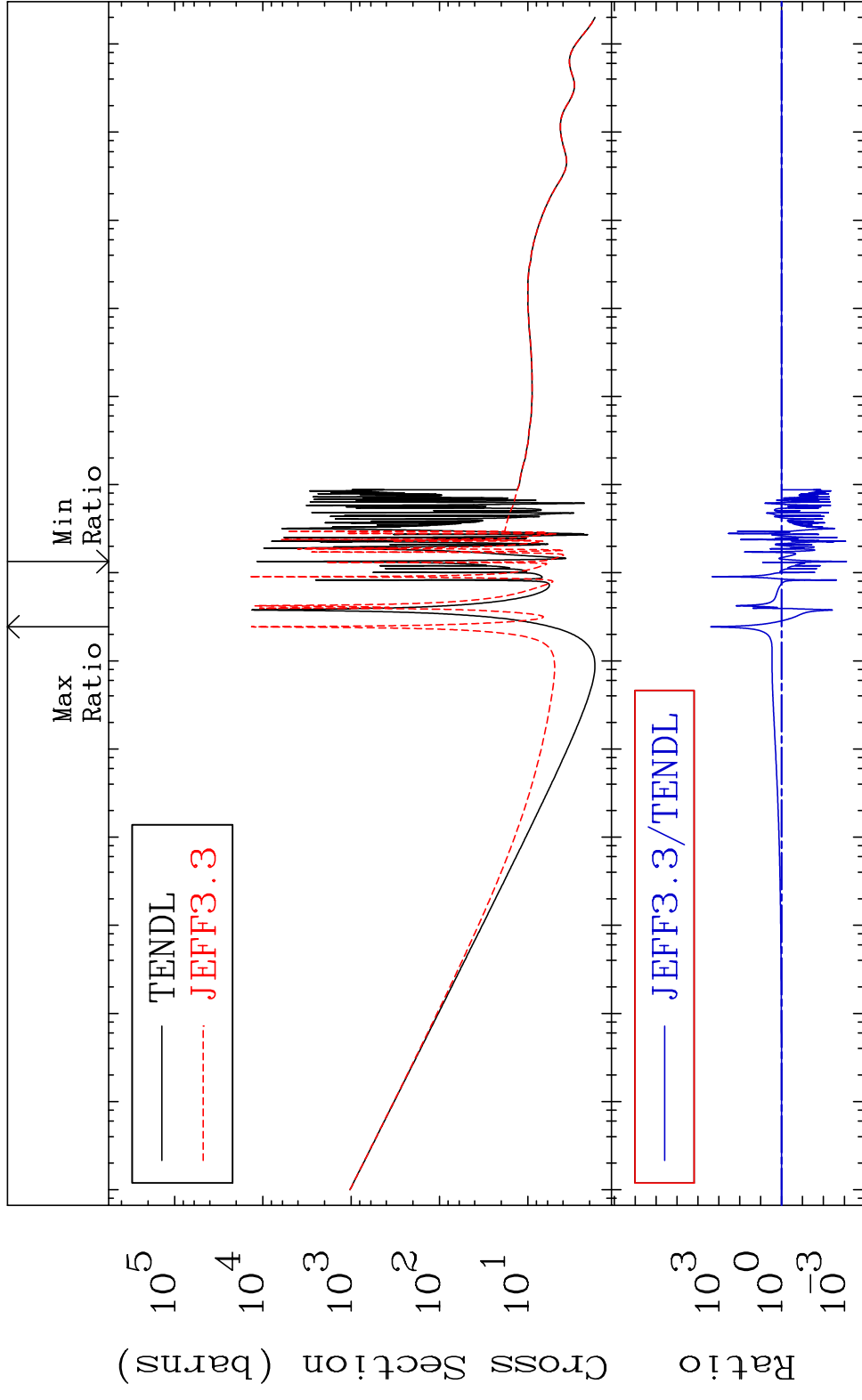
Tele: 925-443-1911

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4519

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



1

Incident Energy (eV)

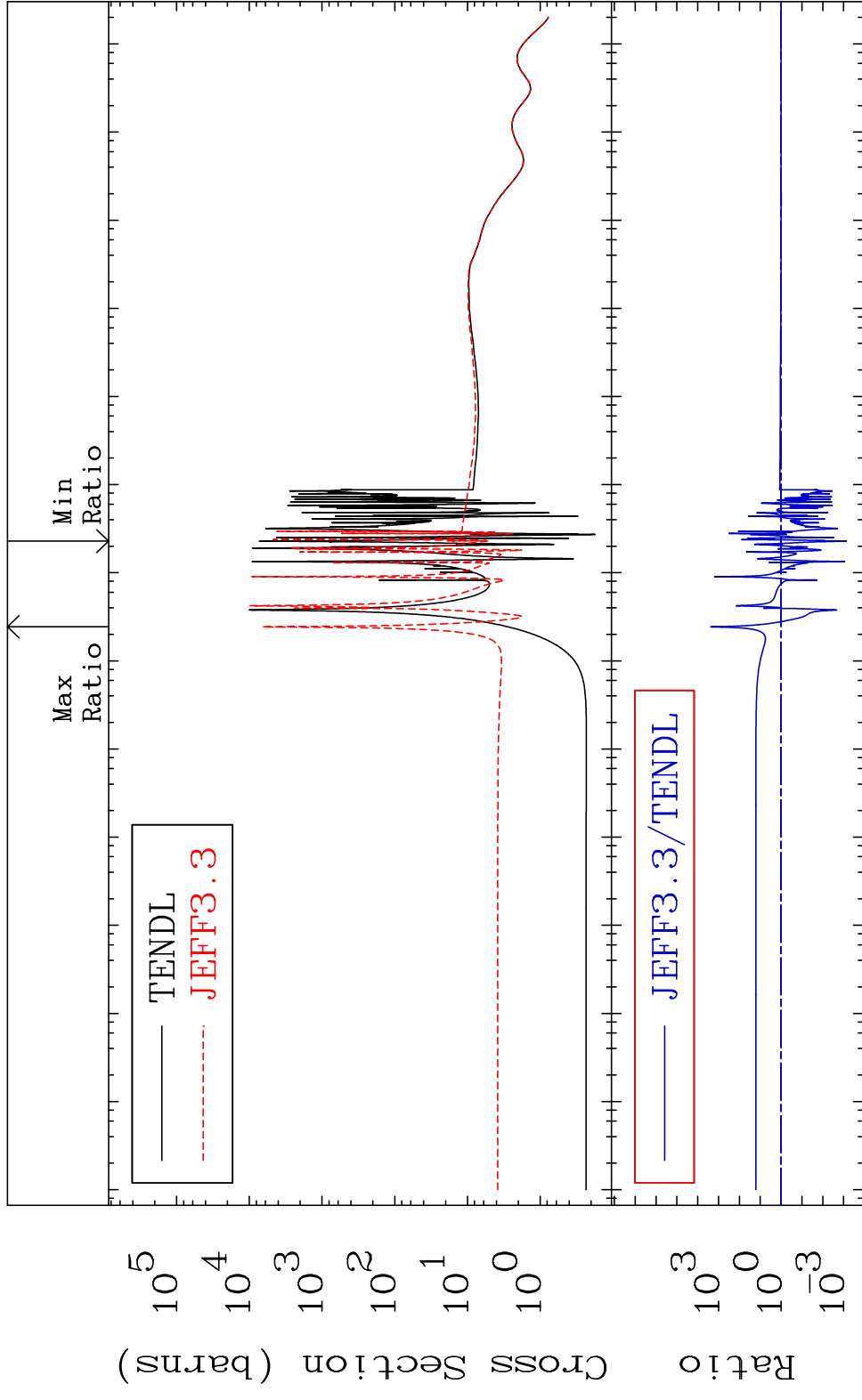
45-Rh-101

MAT 4519

45-Rh-101

Elastic

Cross Section -99.93 To 9999. %

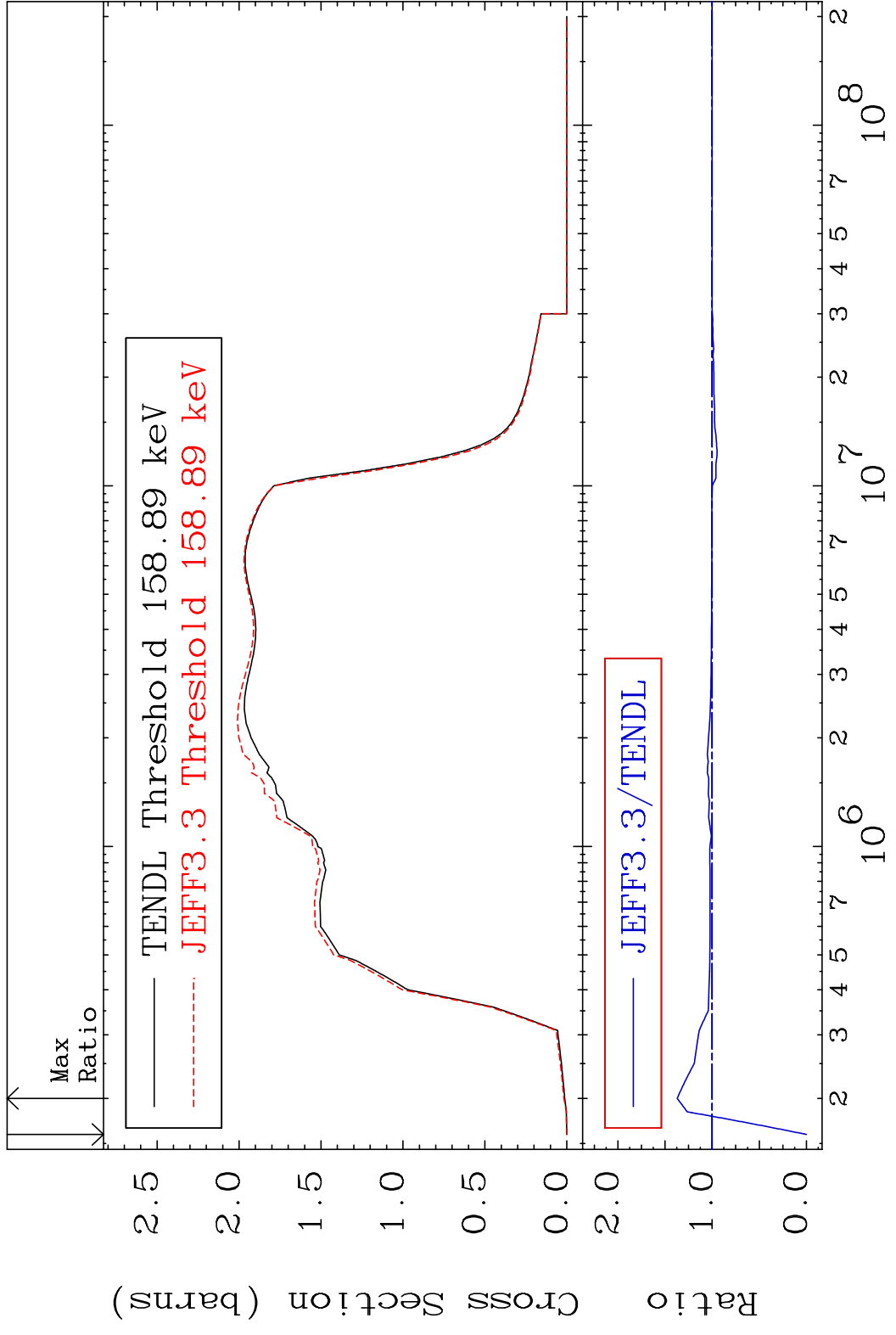


2

Incident Energy (eV)

45-Rh-101

MAT 4519 Inelastic 45-Rh-101
 Cross Section -100.0 To 37.11 %

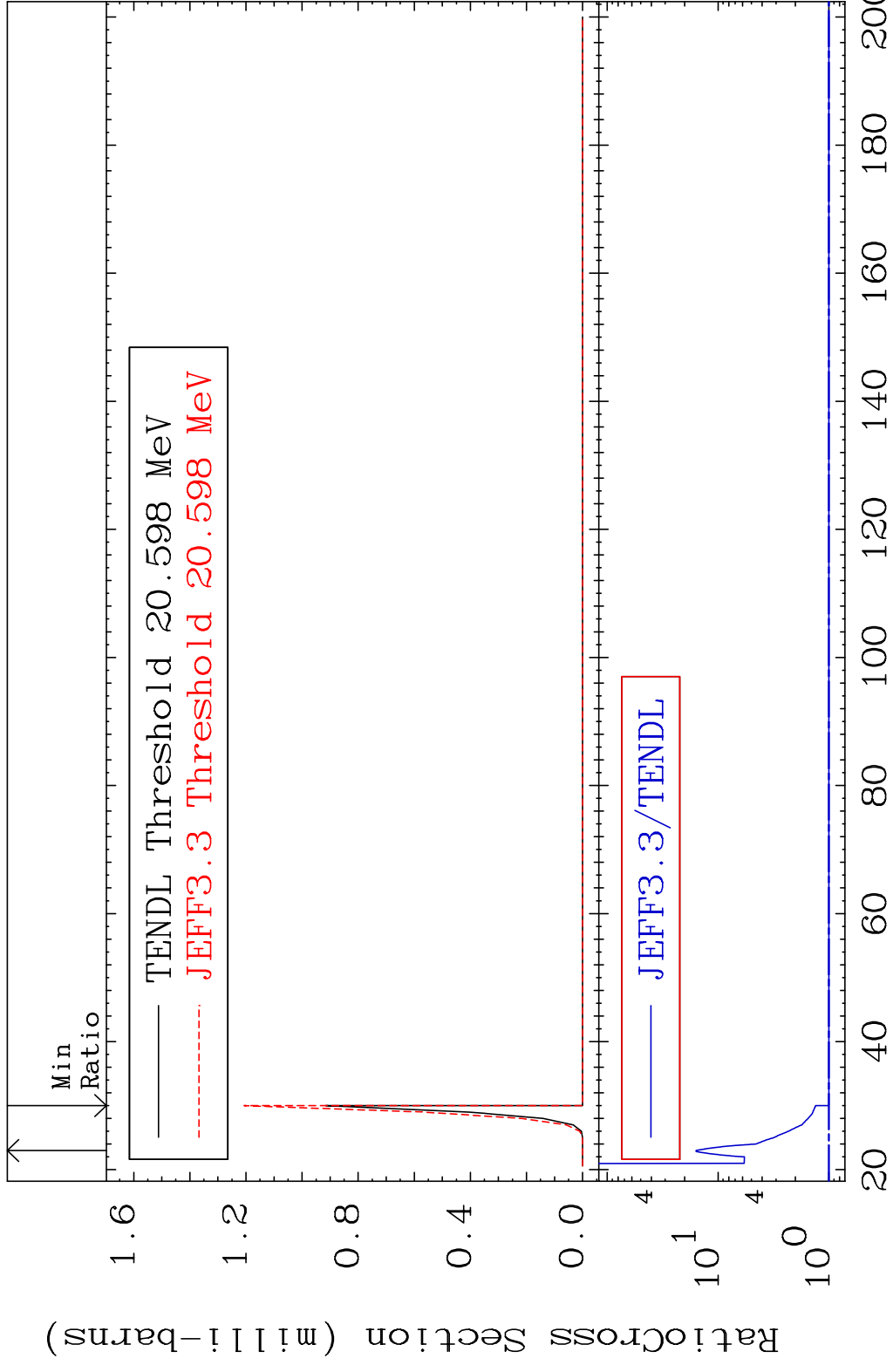


MAT 4519

(n,2n) d

45-Rh-101

Cross Section 0.000 To 1482. %

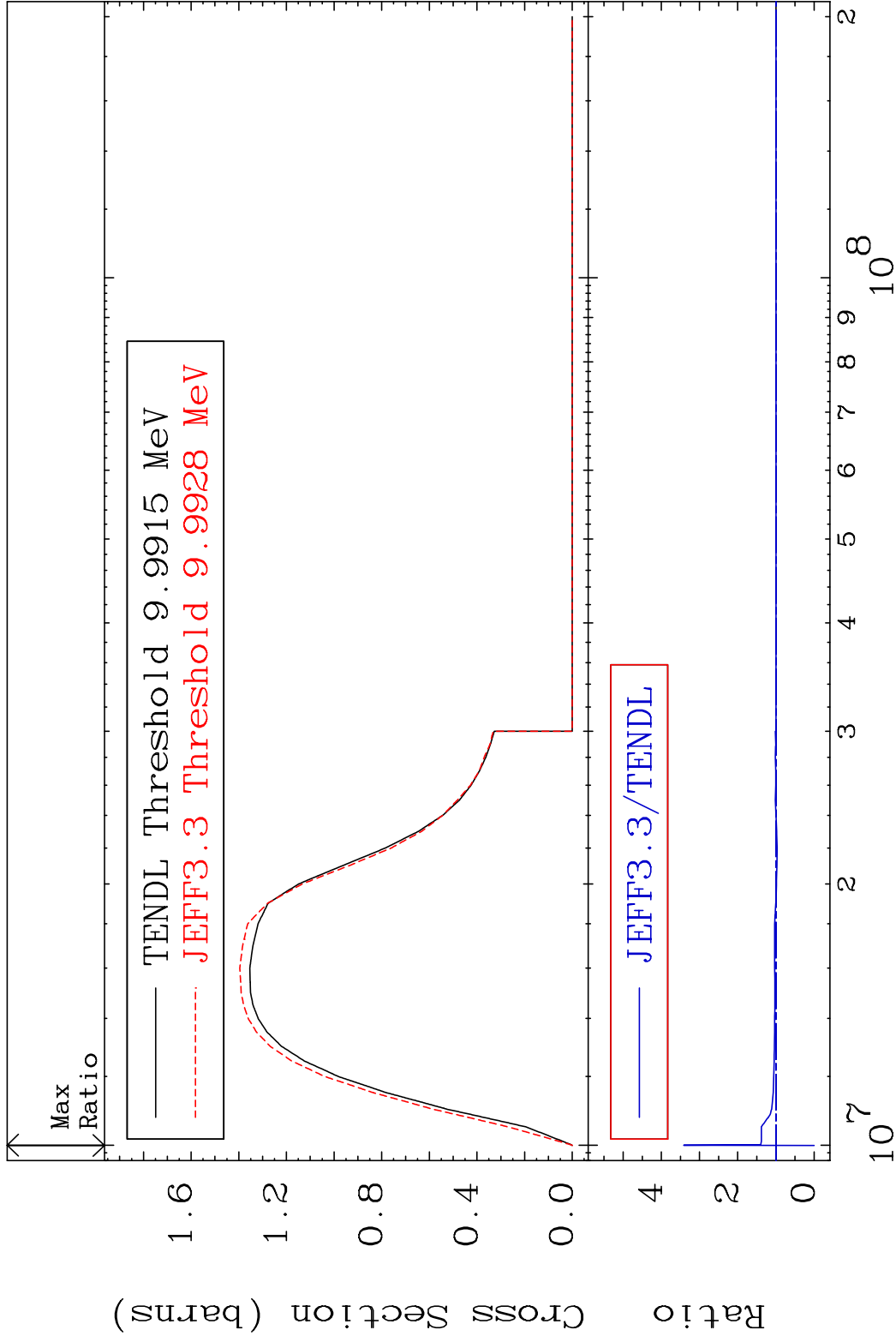


MAT 4519

(n,2n)

45-Rh-101

Cross Section -100.0 To 241.6 %



5

Incident Energy (eV)

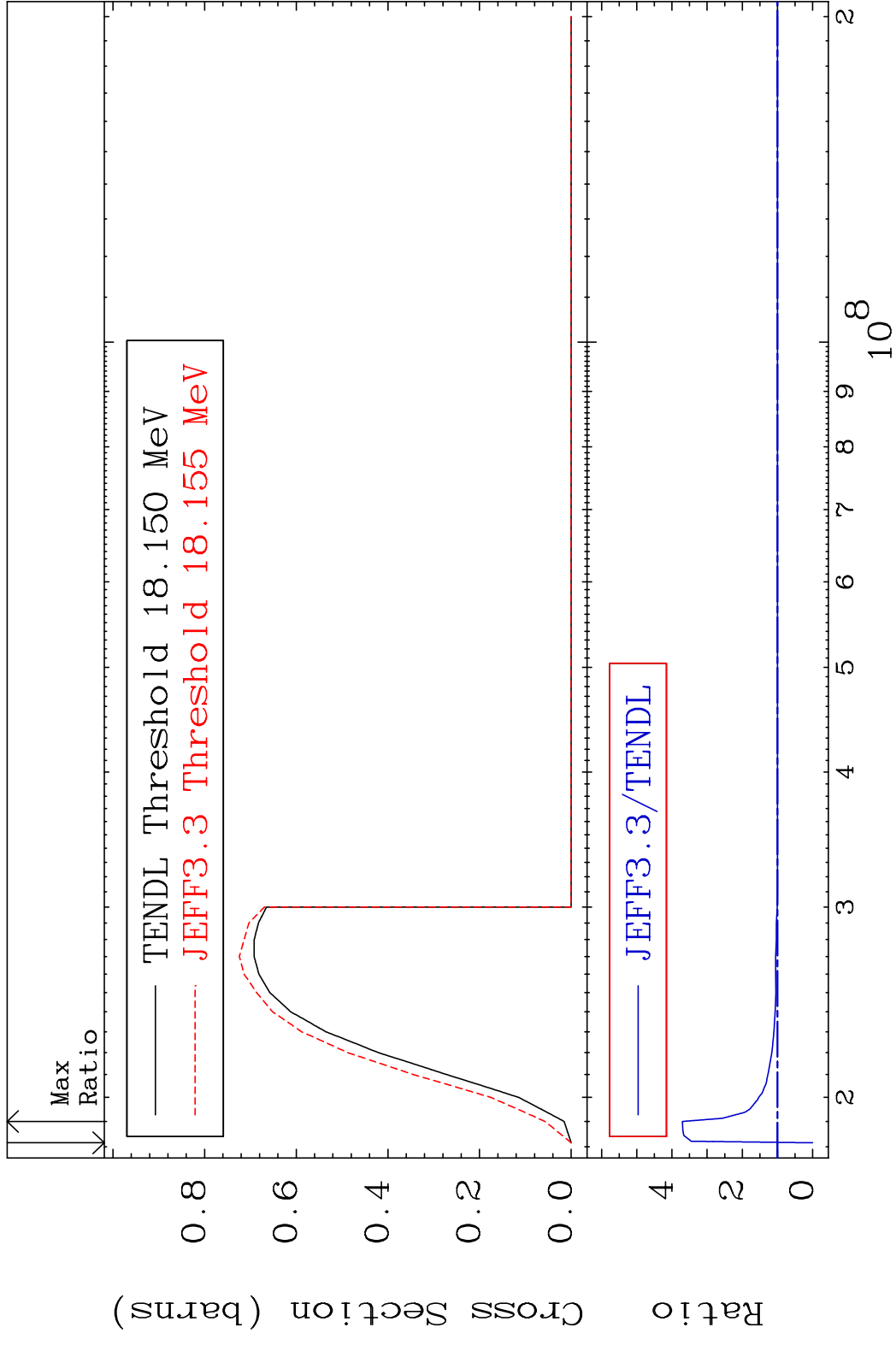
45-Rh-101

MAT 4519

(n,3n)

45-Rh-101

Cross Section -100.0 To 270.5 %



6

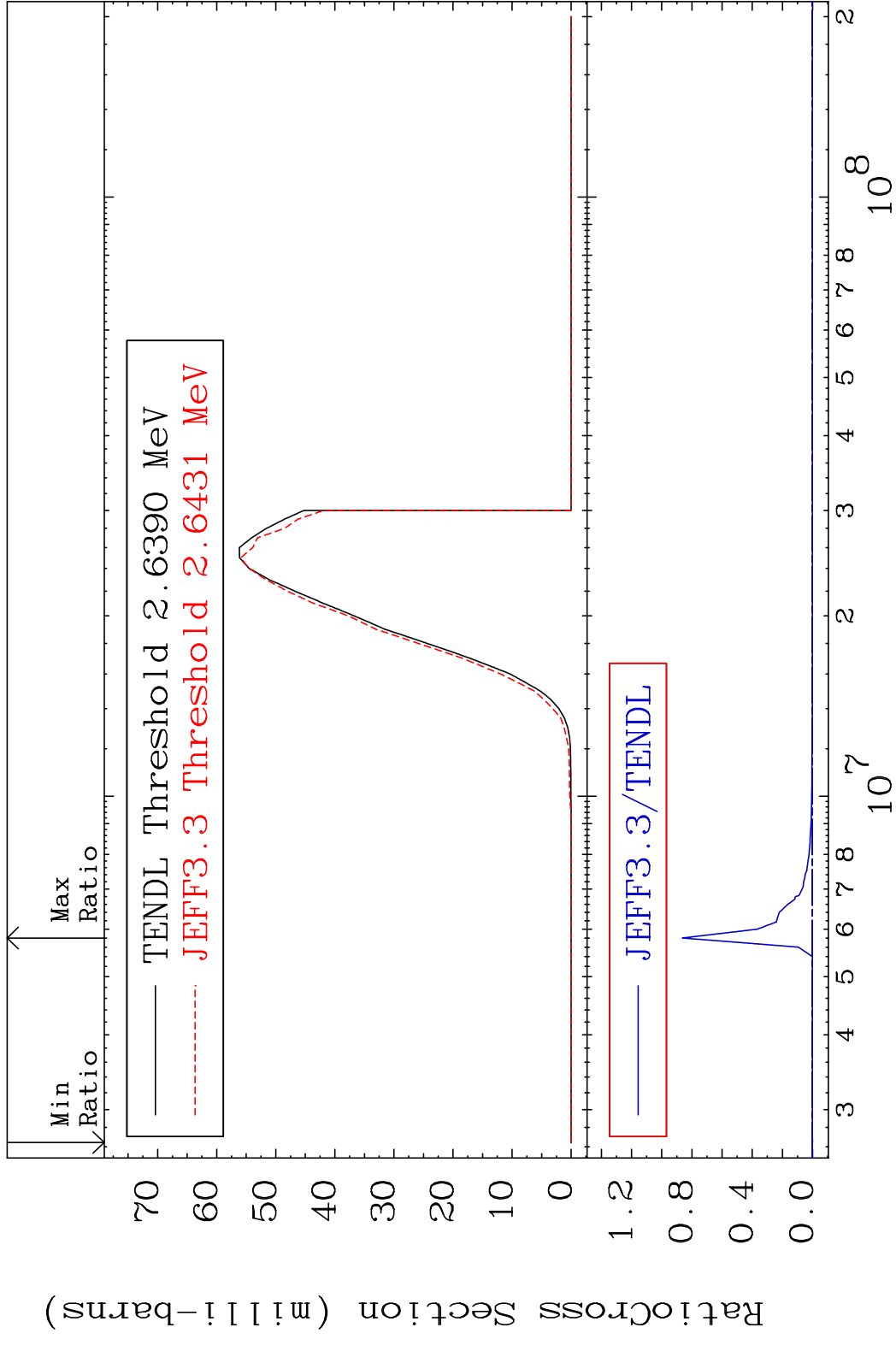
Incident Energy (eV)

45-Rh-101

MAT 4519

(n, n') α 45-Rh-101

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

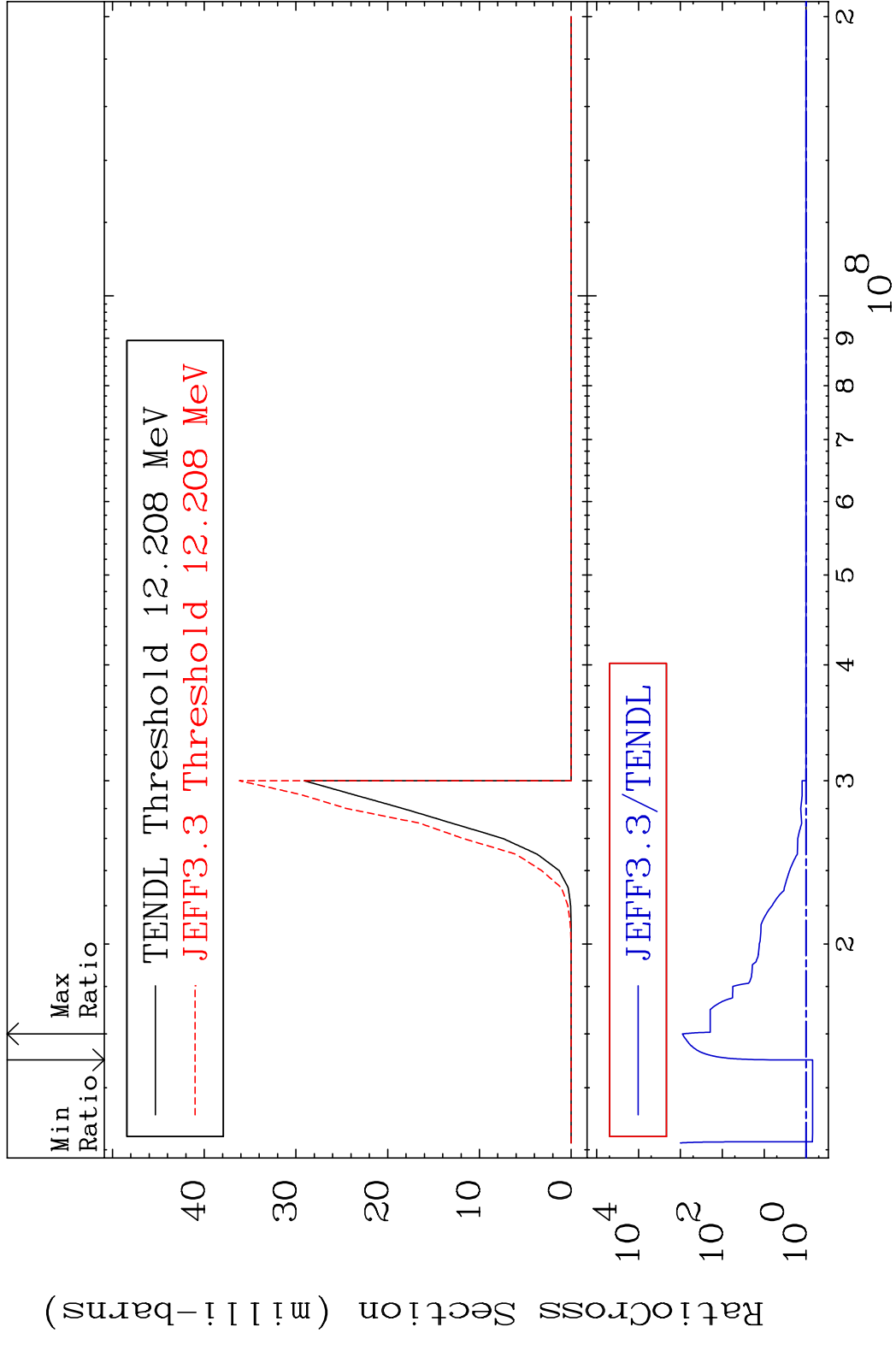
45-Rh-101

MAT 4519

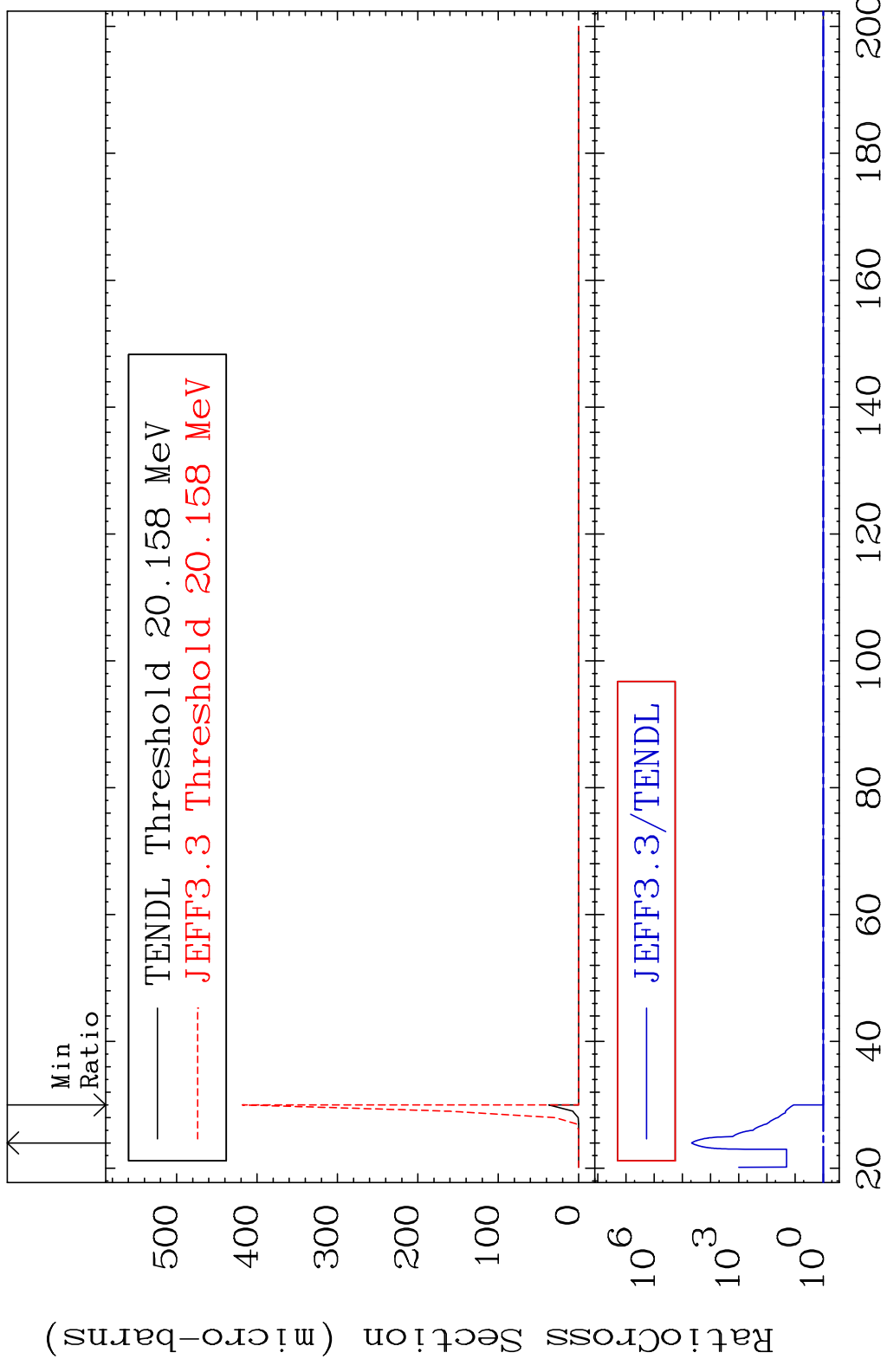
(n,2n) α

45-Rh-101

Cross Section -30.06 To 9999. %



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

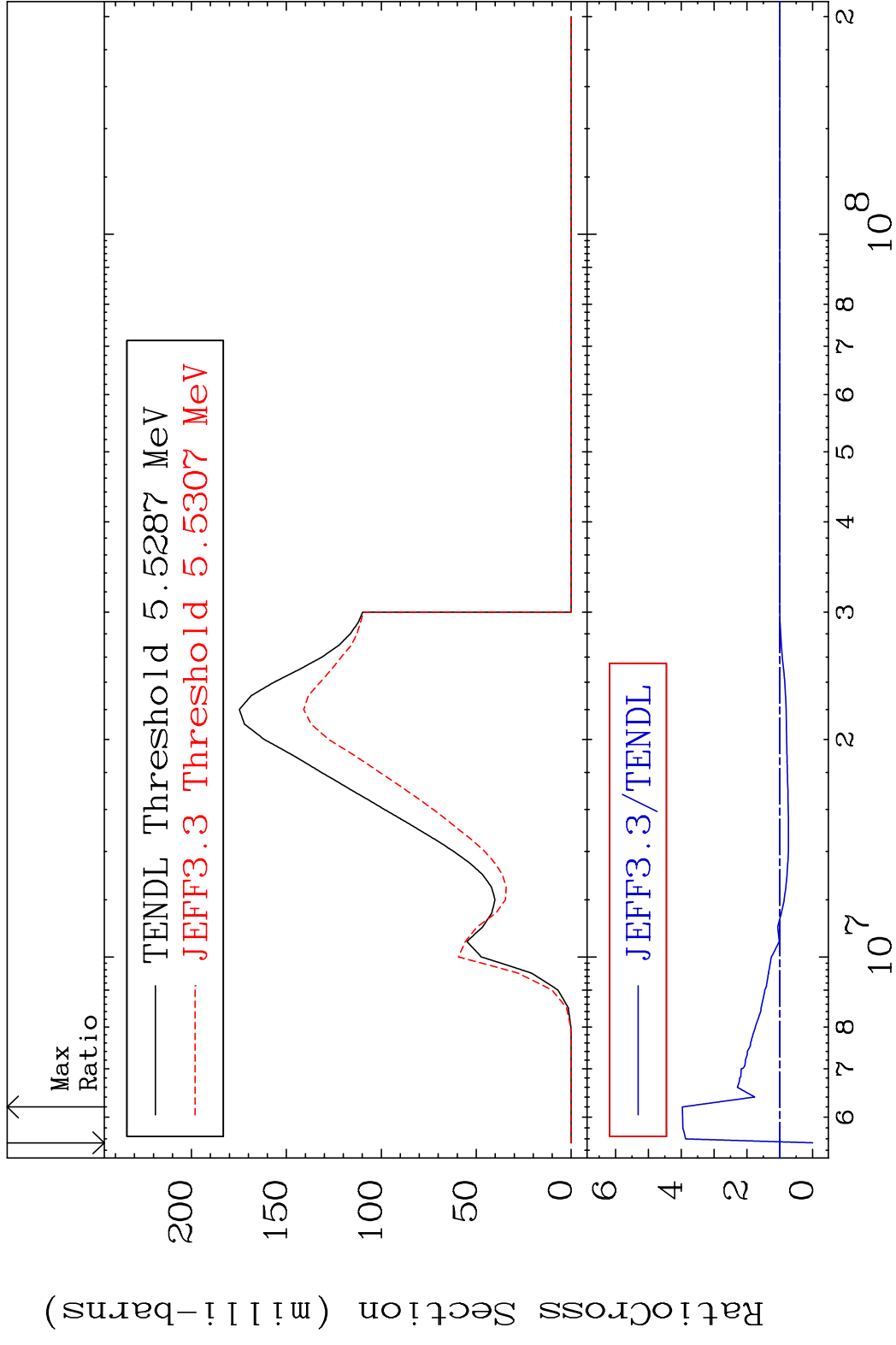


MAT 4519

(n, n') p

45-Rh-101

Cross Section -100.0 To 296.5 %

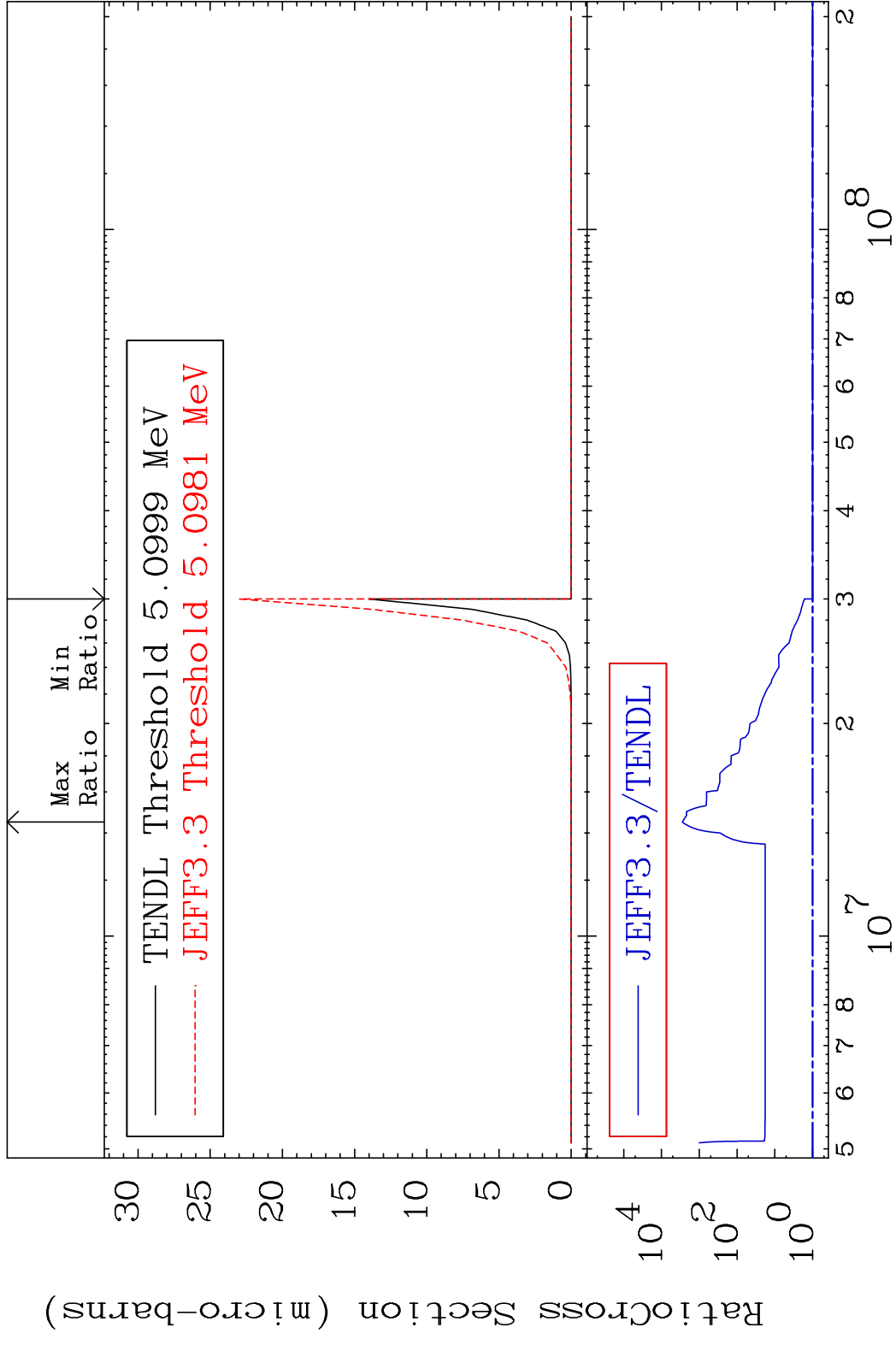


10

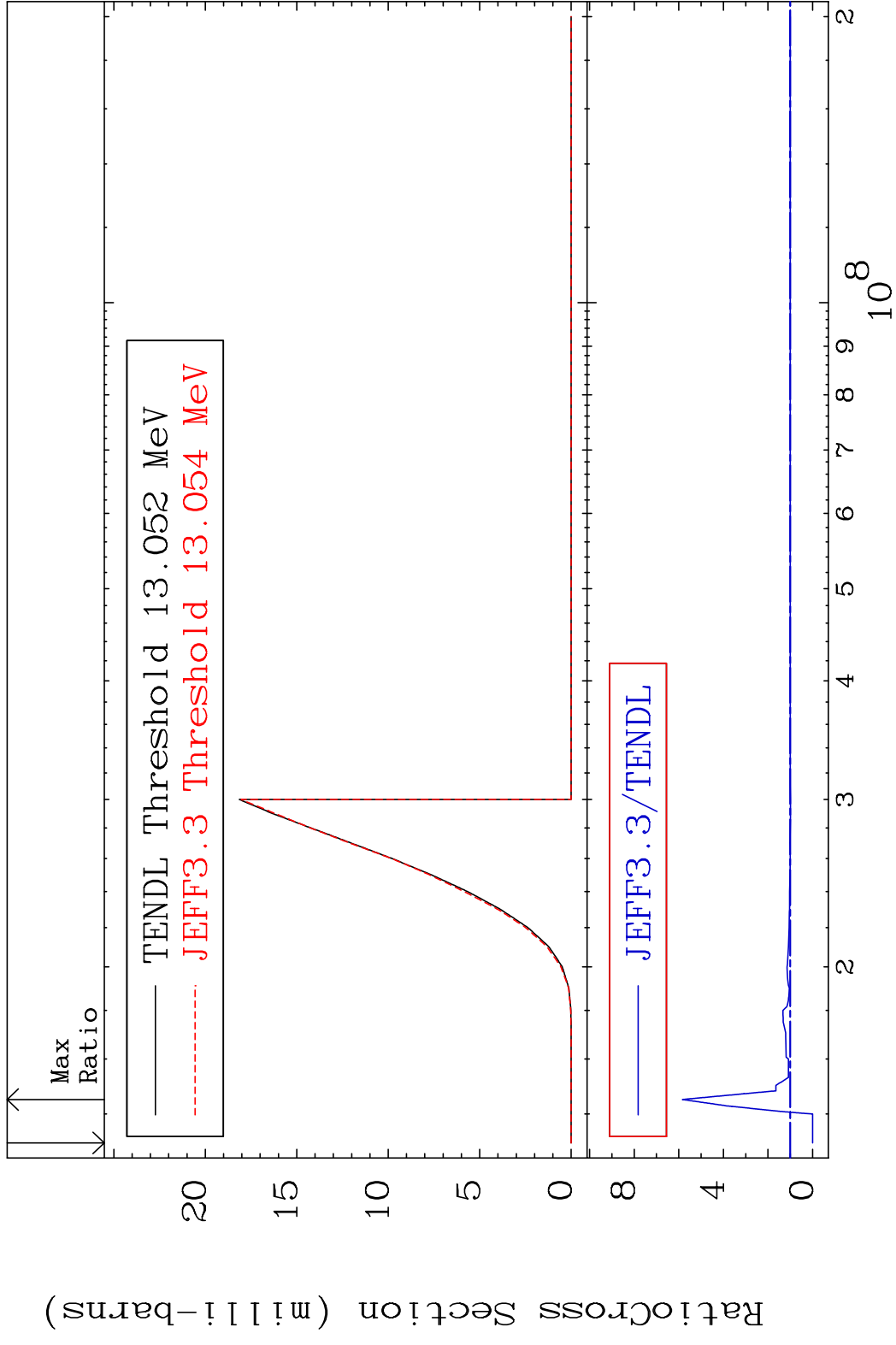
Incident Energy (eV)

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 484.0 %

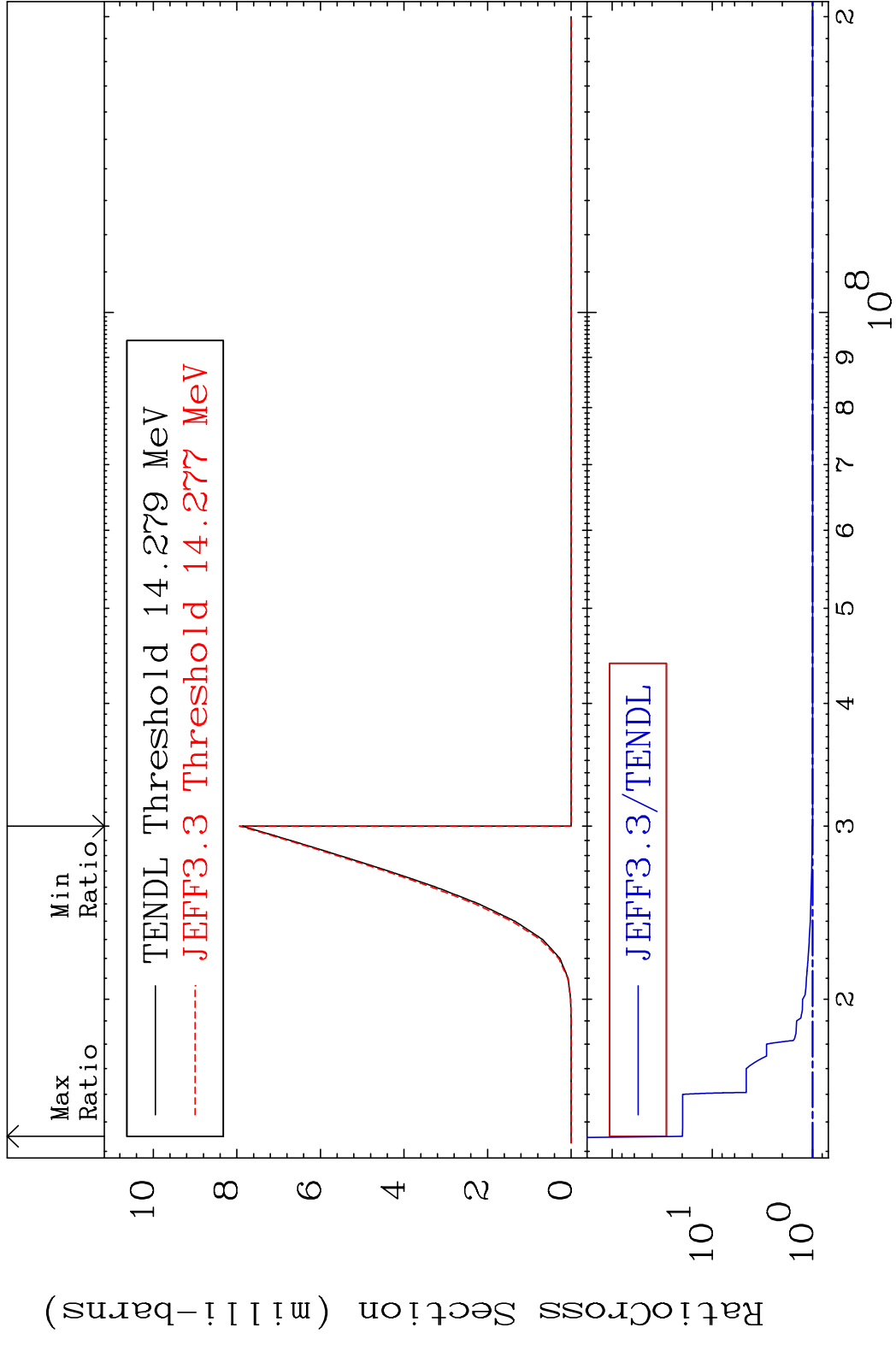


MAT 4519

(n, n') t

45-Rh-101

Cross Section 0.000 To 1892. %

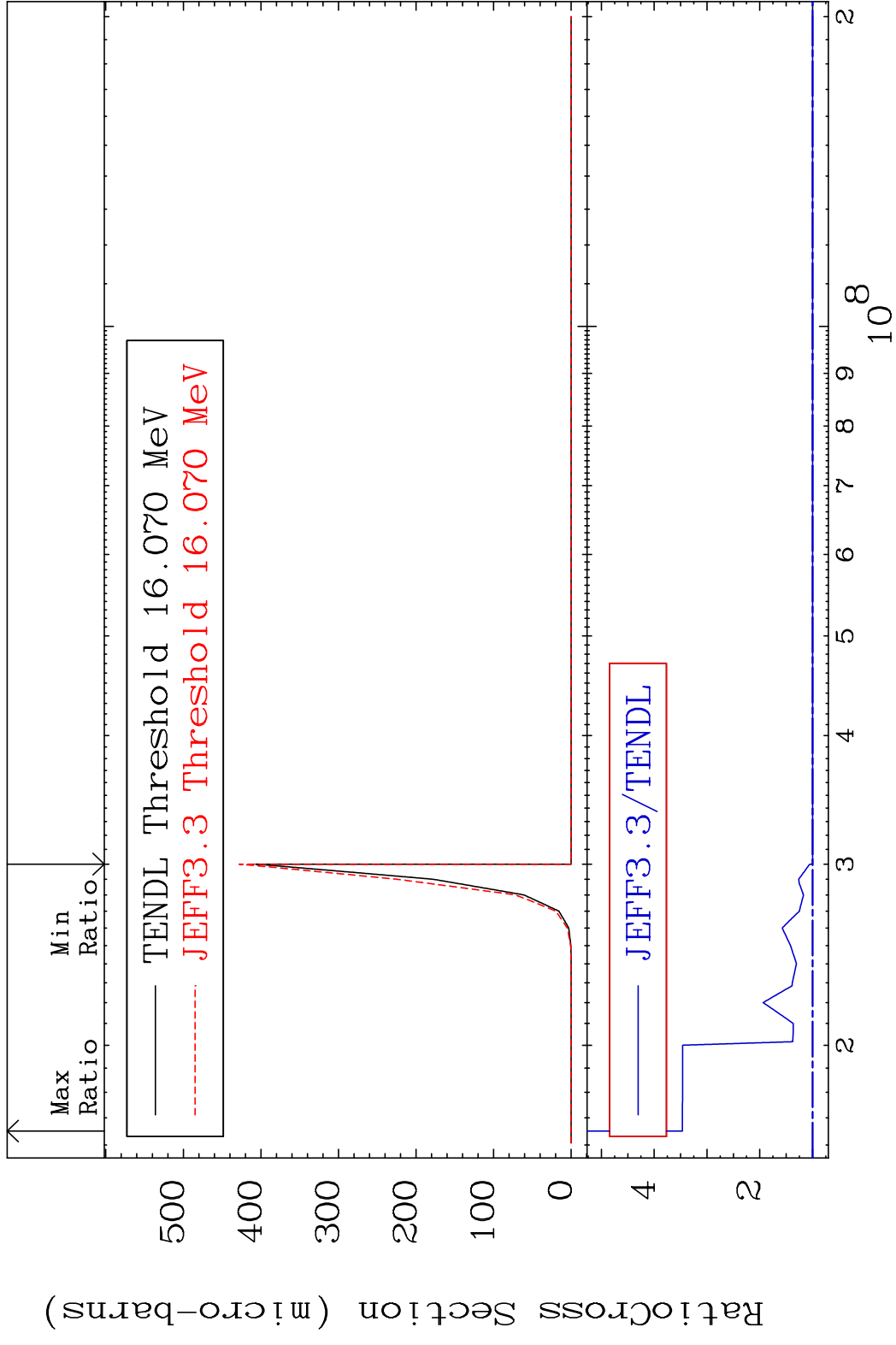


MAT 4519

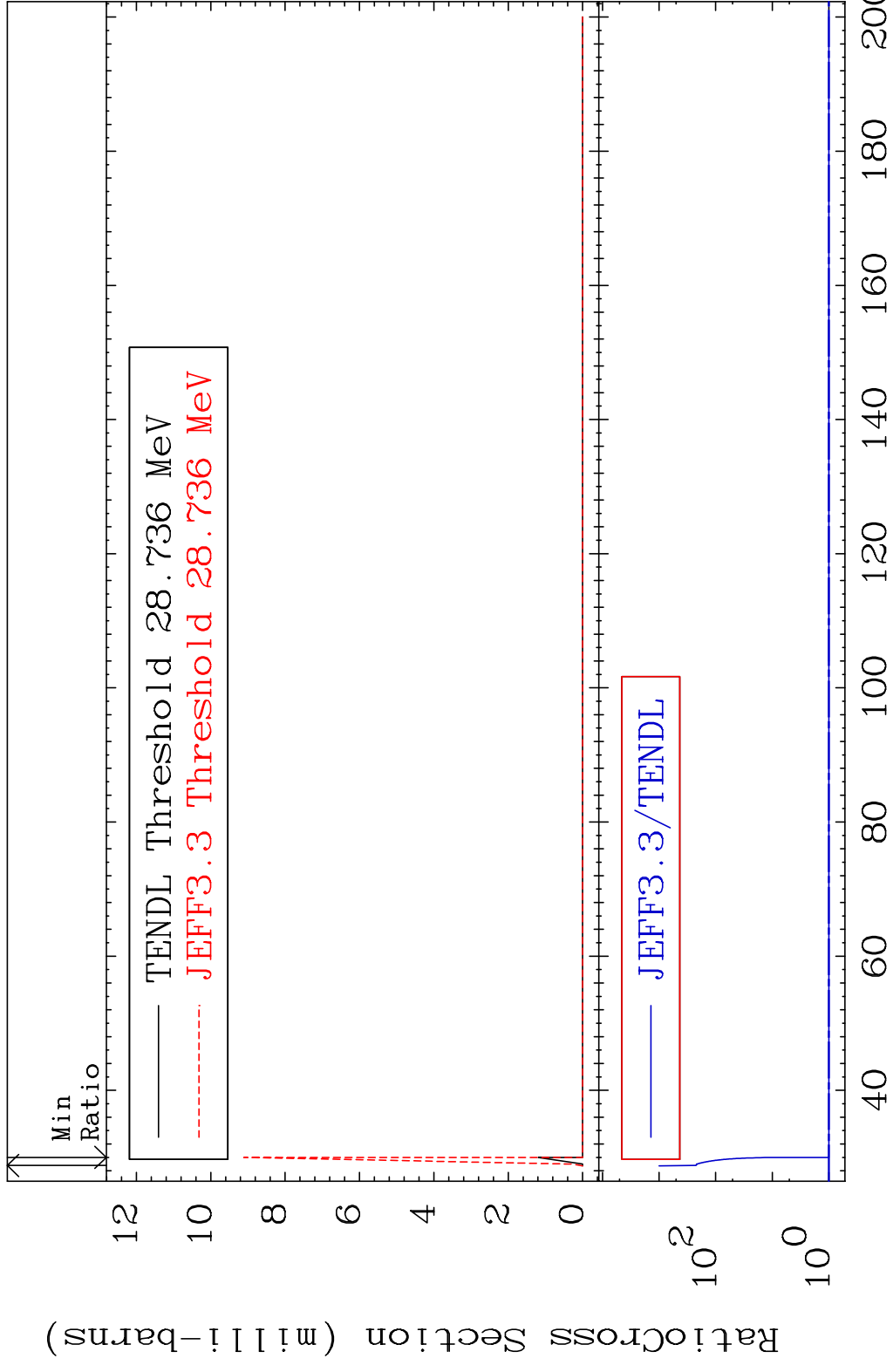
(n,n') He-3

45-Rh-101

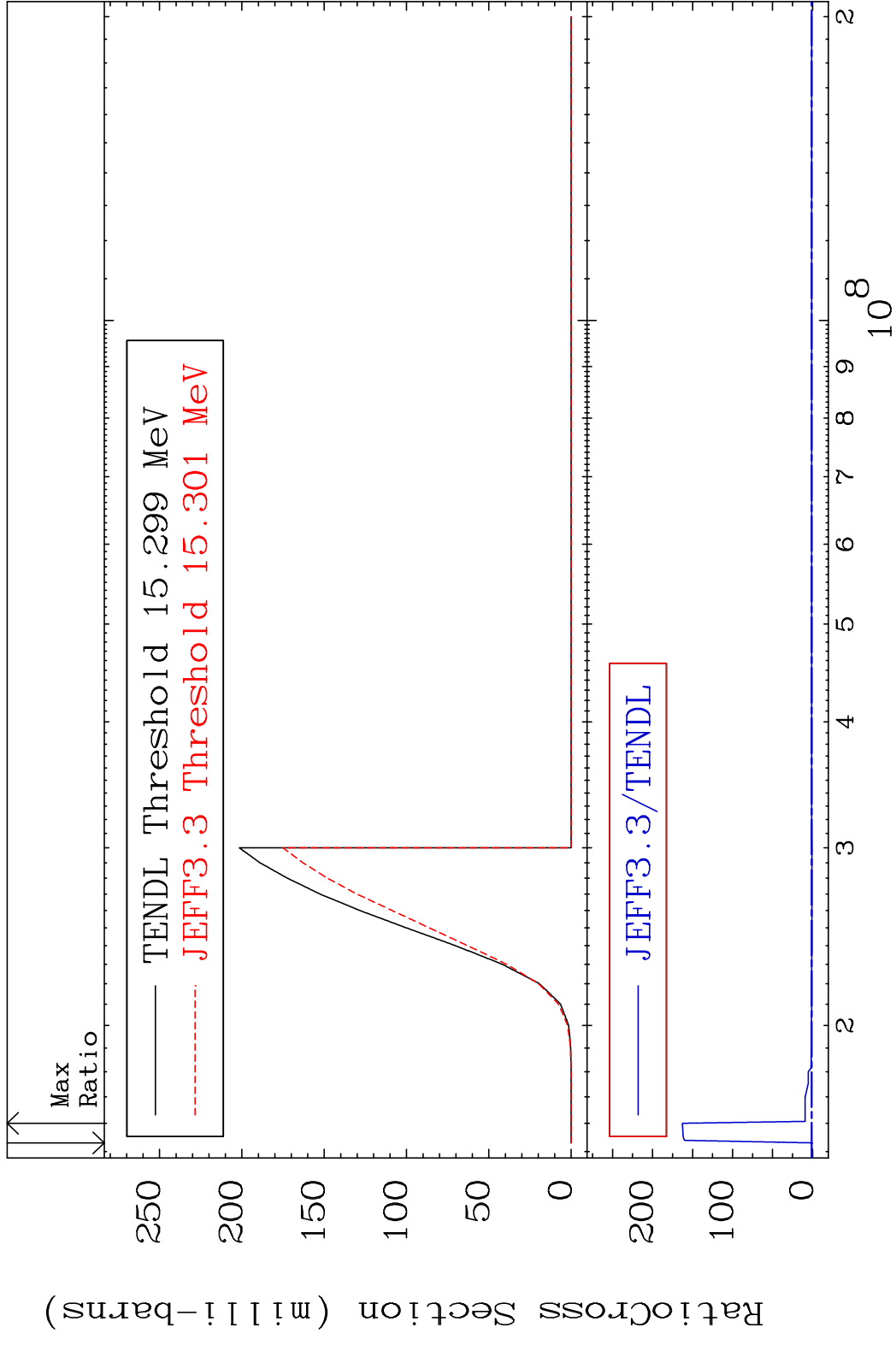
Cross Section 0.000 To 246.6 %



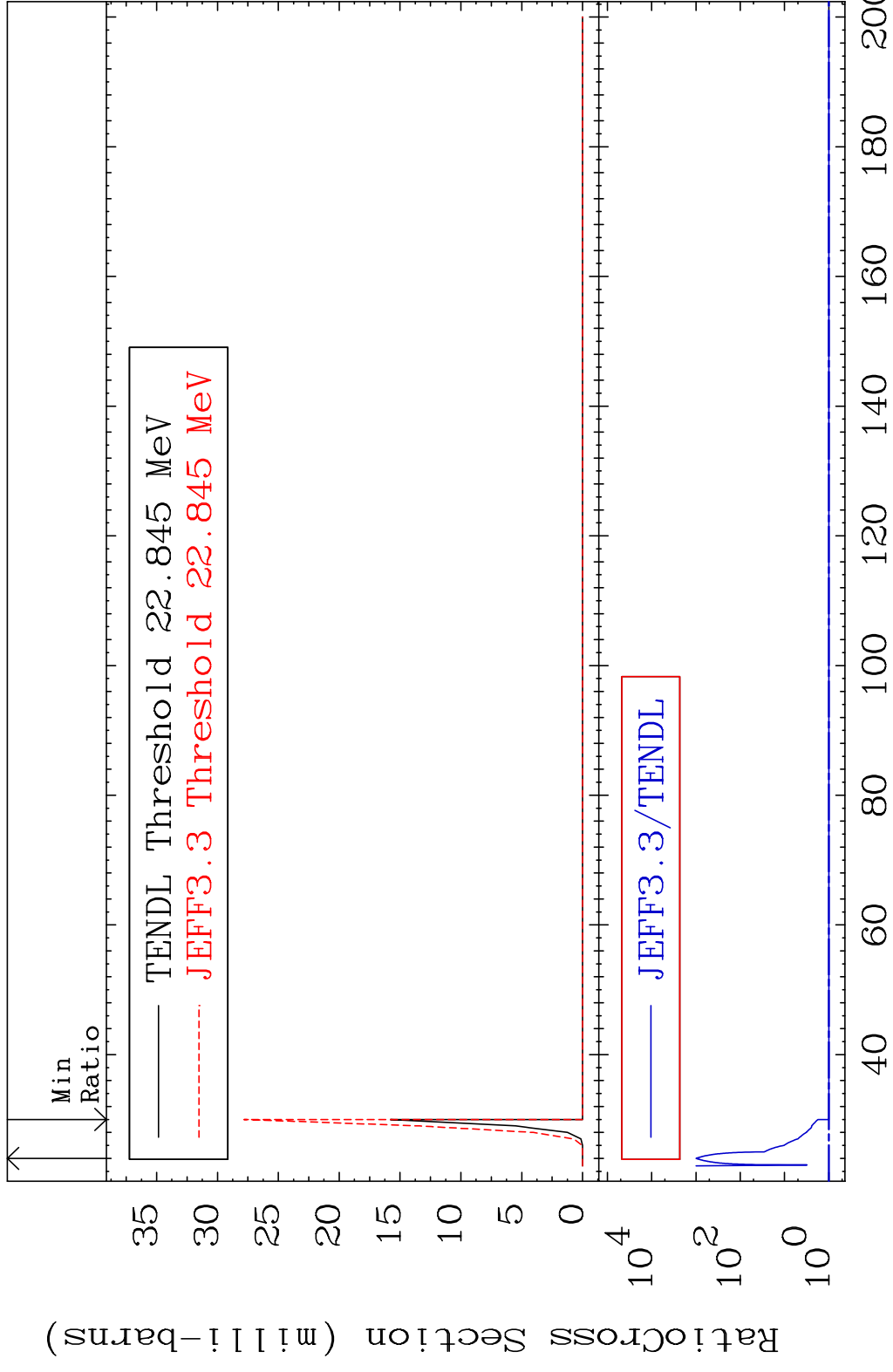
MAT 4519 (n,4n) 45-Rh-101
Cross Section 0.000 To 9999. %



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. %

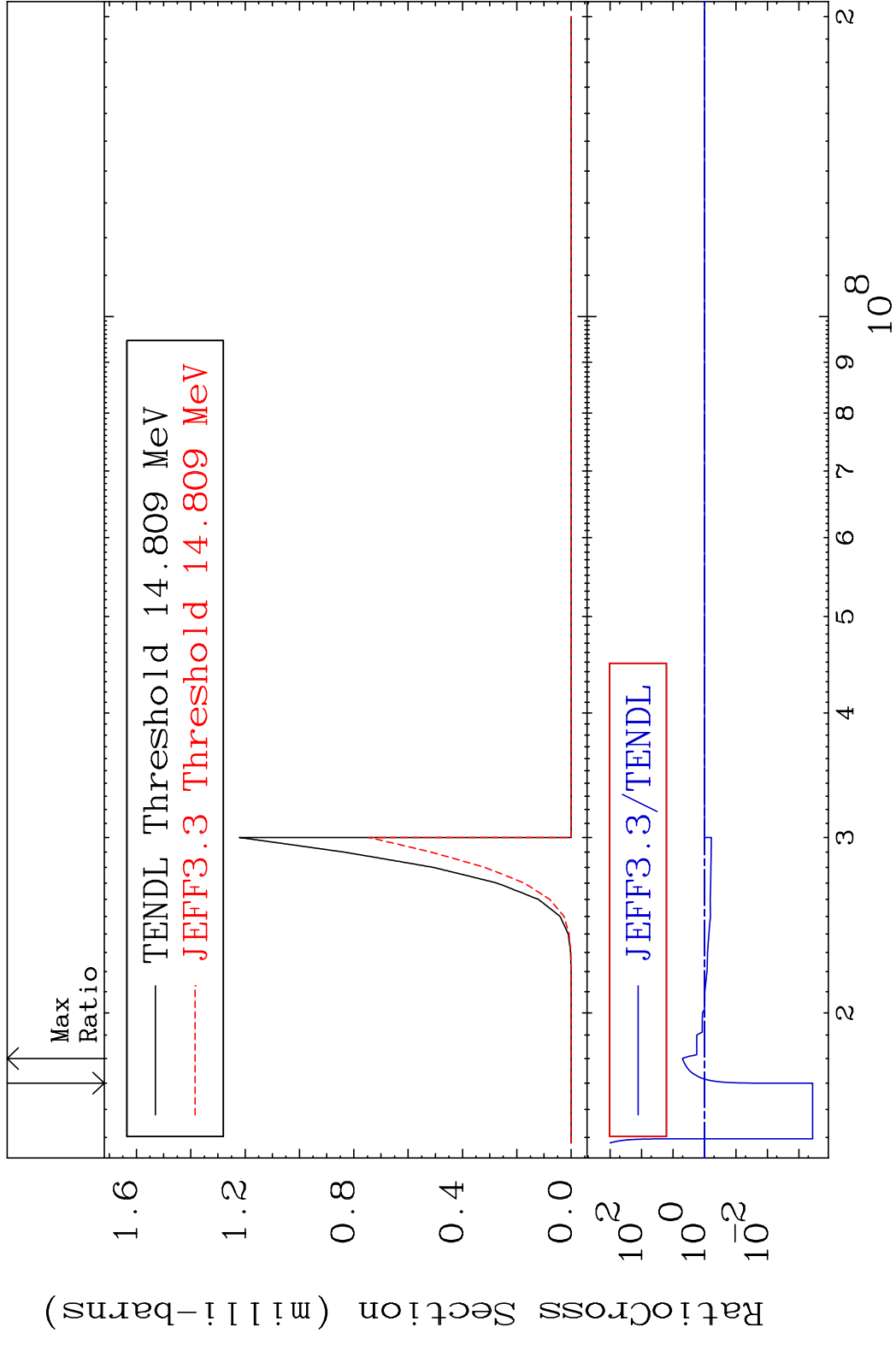


MAT 4519

(n,2n) p

45-Rh-101

Cross Section -99.96 To 406.5 %

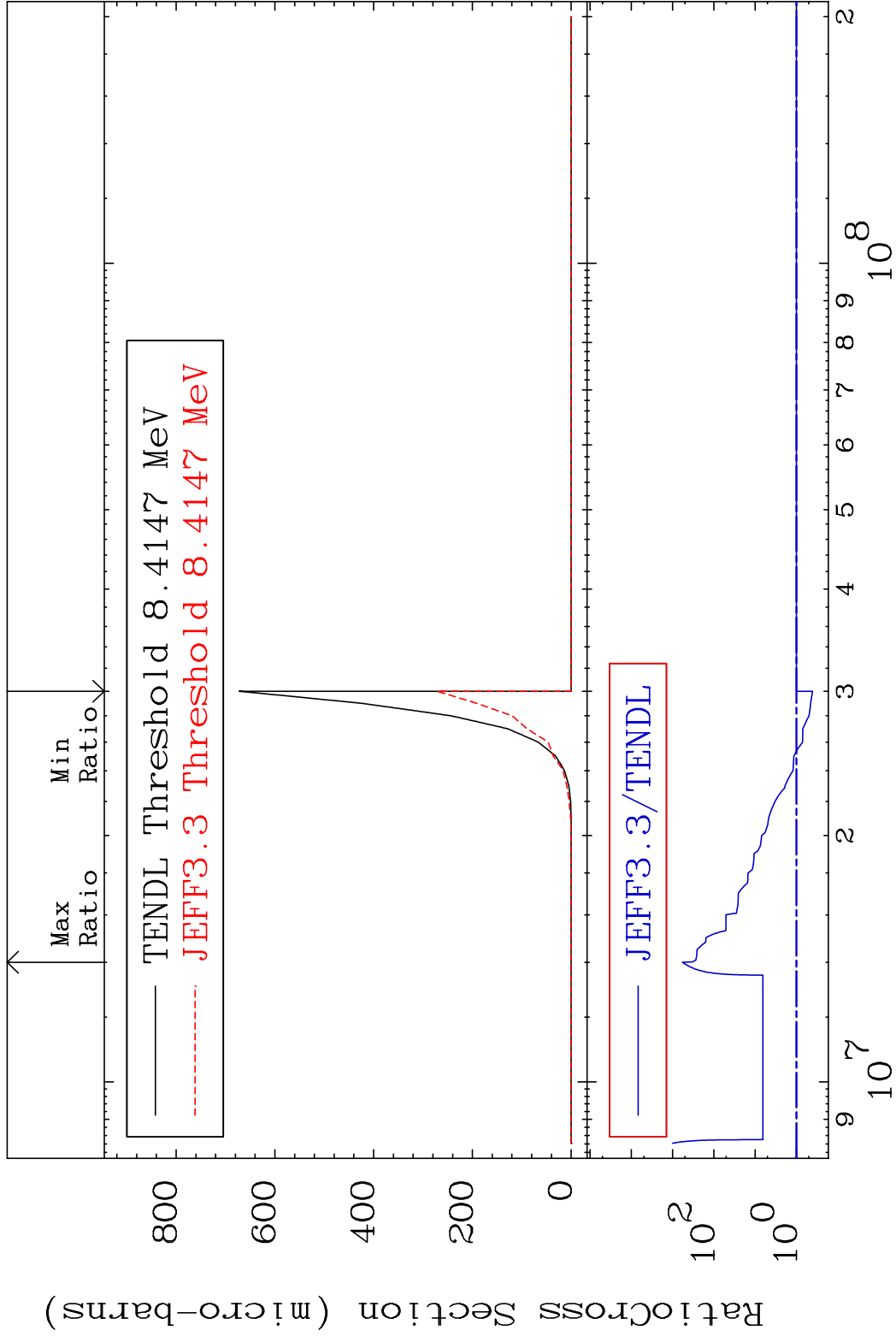


MAT 4519

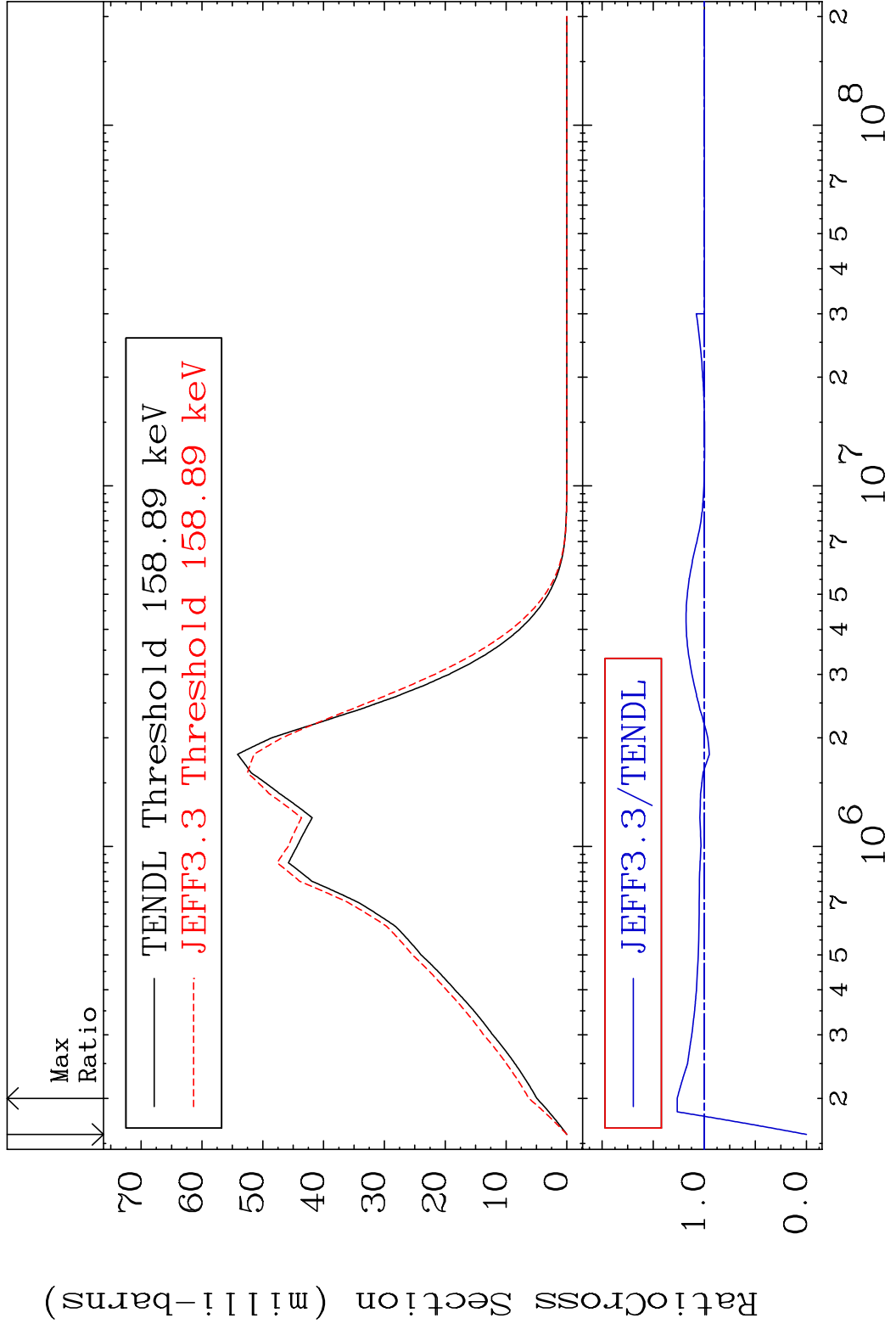
(n,n') p α

45-Rh-101

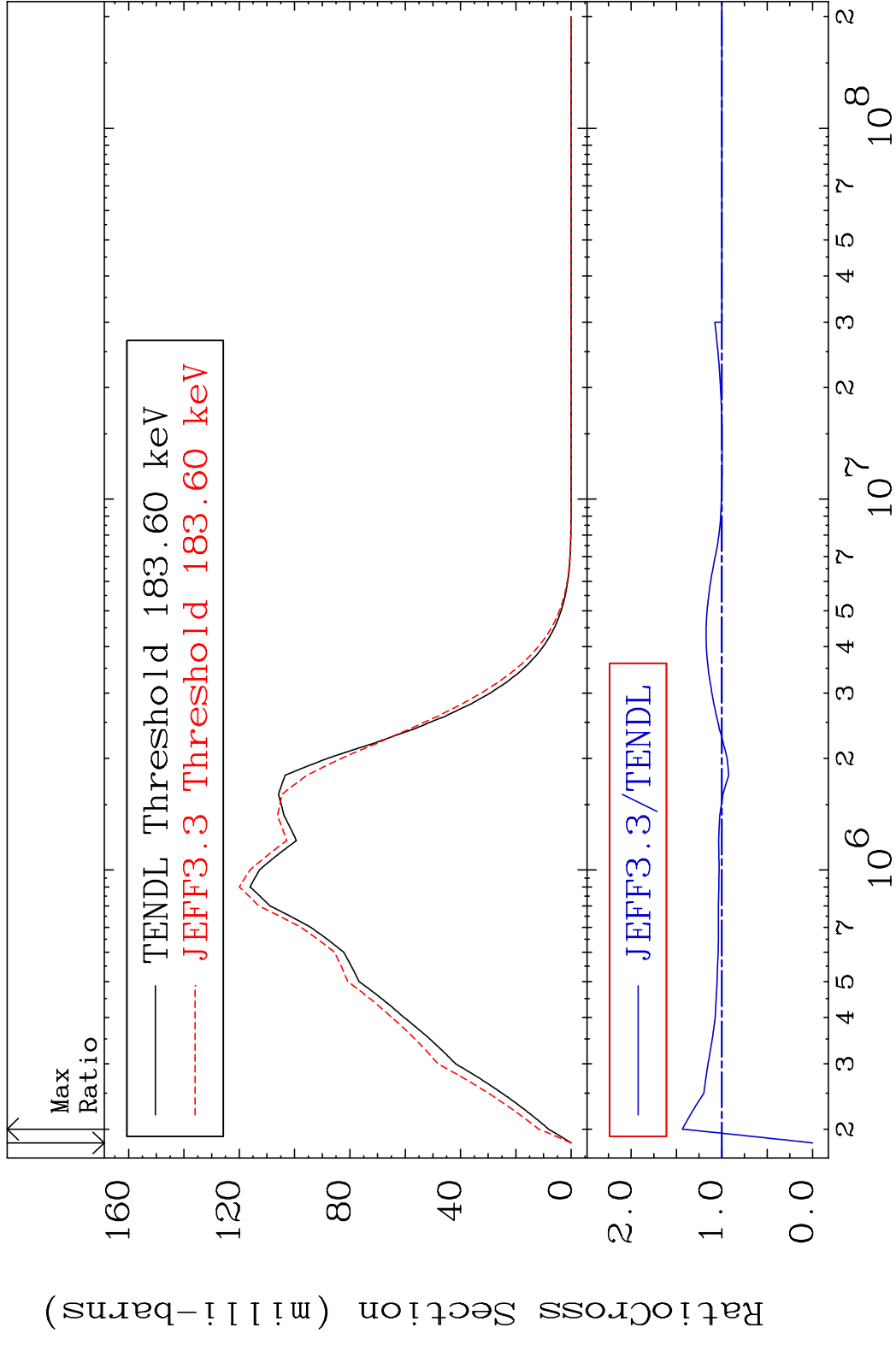
Cross Section -59.56 To 9999. %



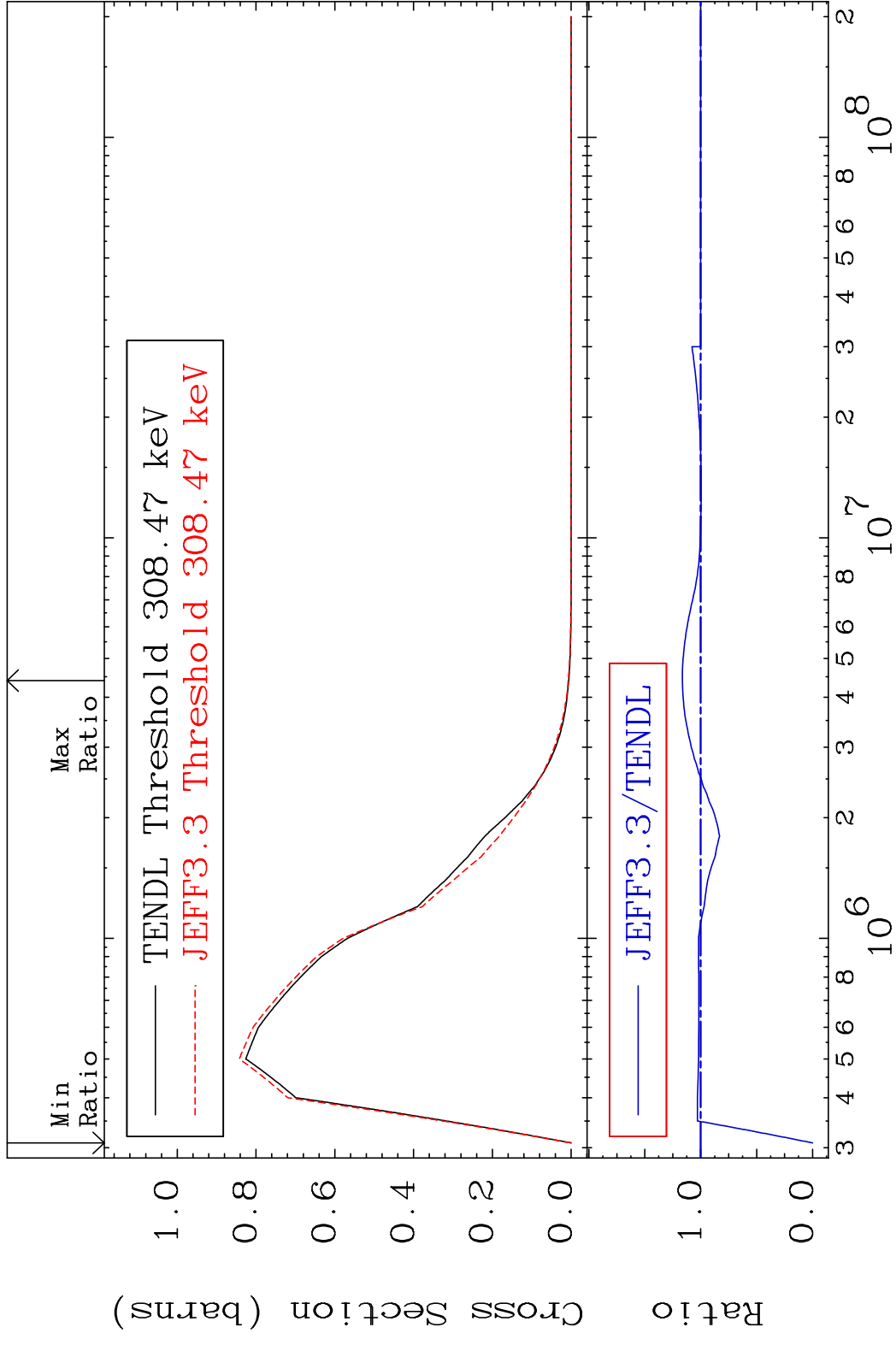
MAT 4519 MT= 51 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 26.52 %



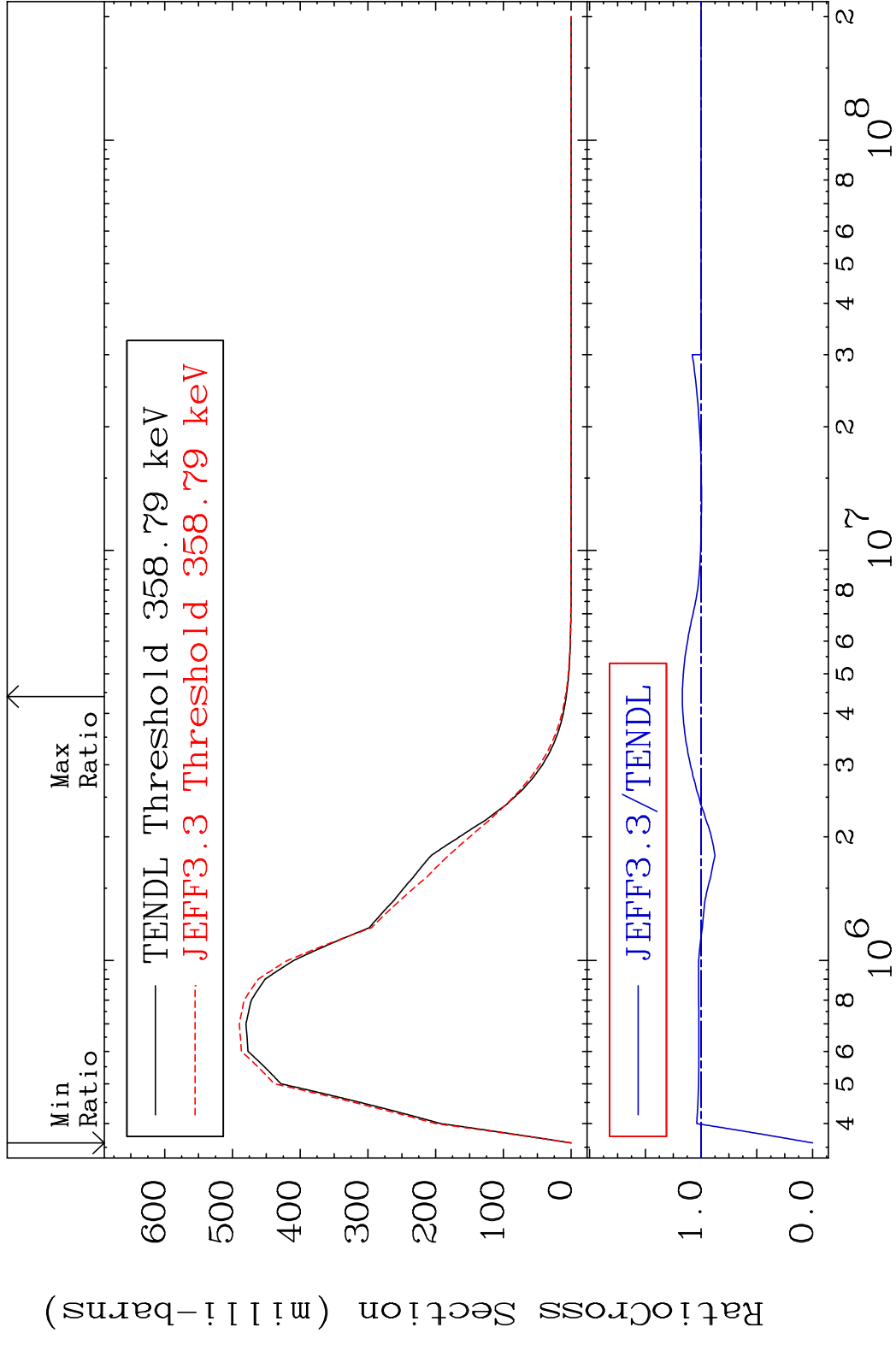
MAT 4519 MT= 52 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 43.51 %



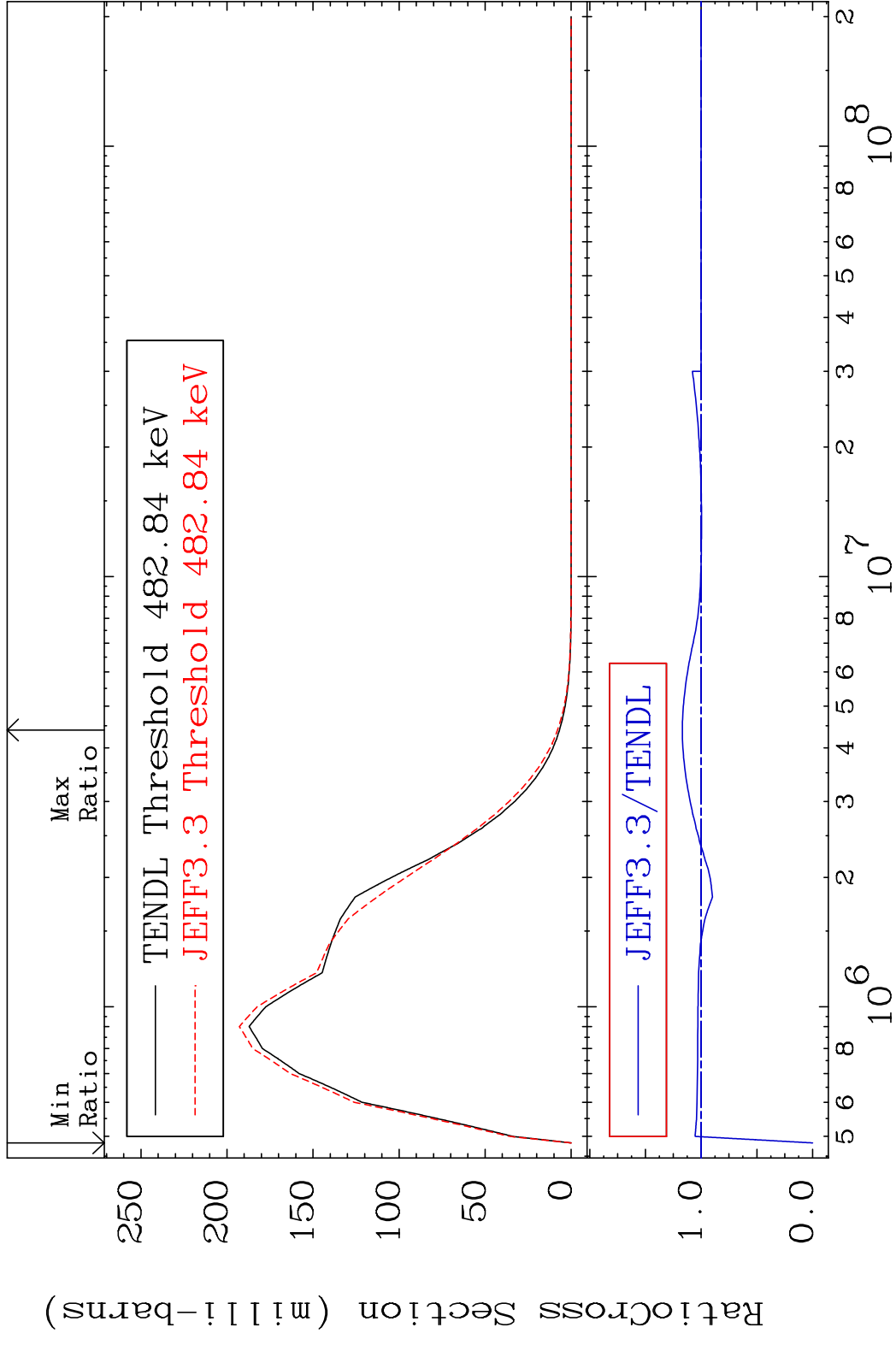
MAT 4519 MT= 53 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 16.42 %



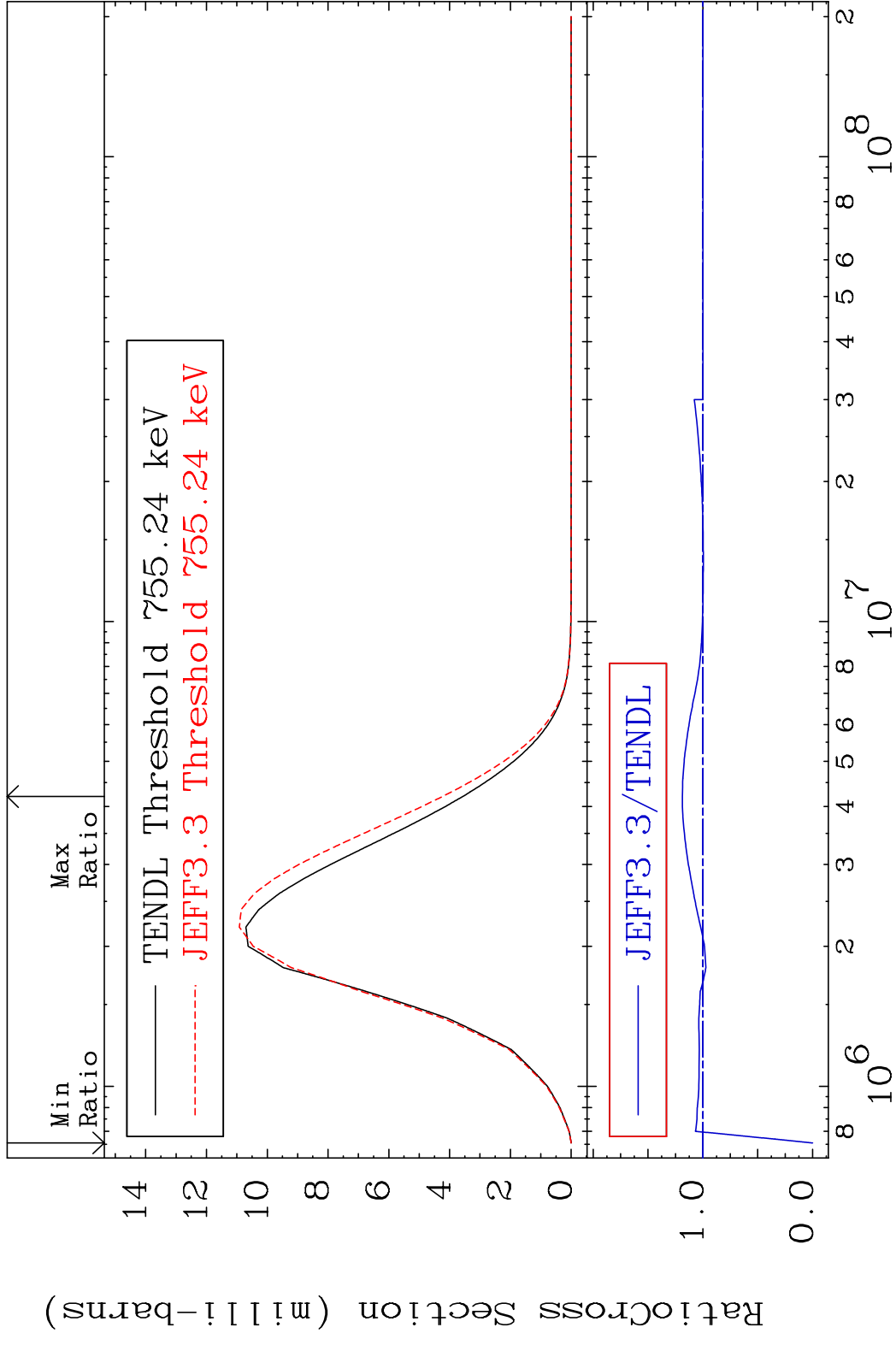
MAT 4519 MT= 54 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 16.82 %



MAT 4519 MT= 55 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 16.87 %

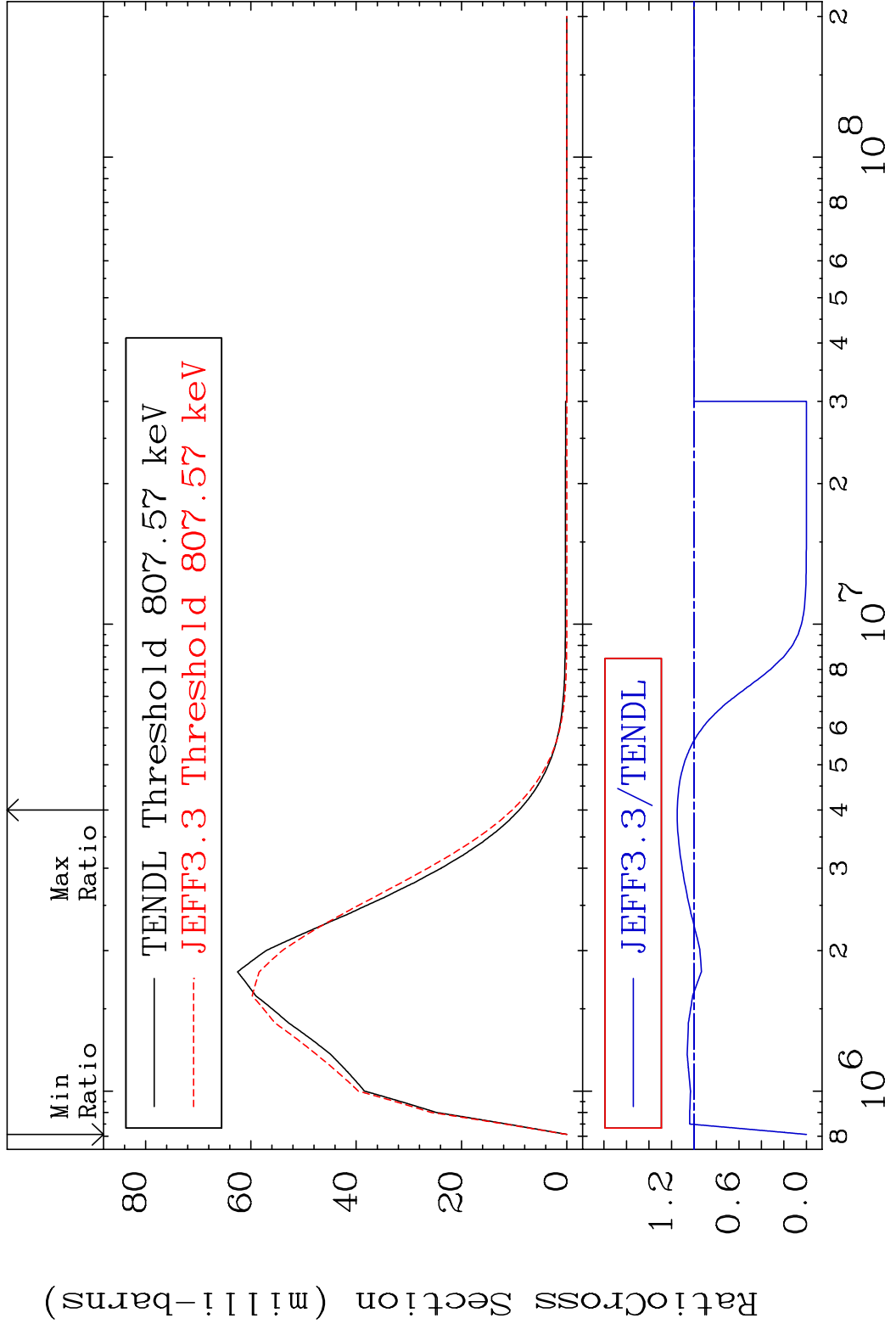


MAT 4519 MT= 56 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 18.70 %



MAT 4519

MT= 57 (n, n') Level 45-Rh-101
Cross Section -100.0 To 14.91 %

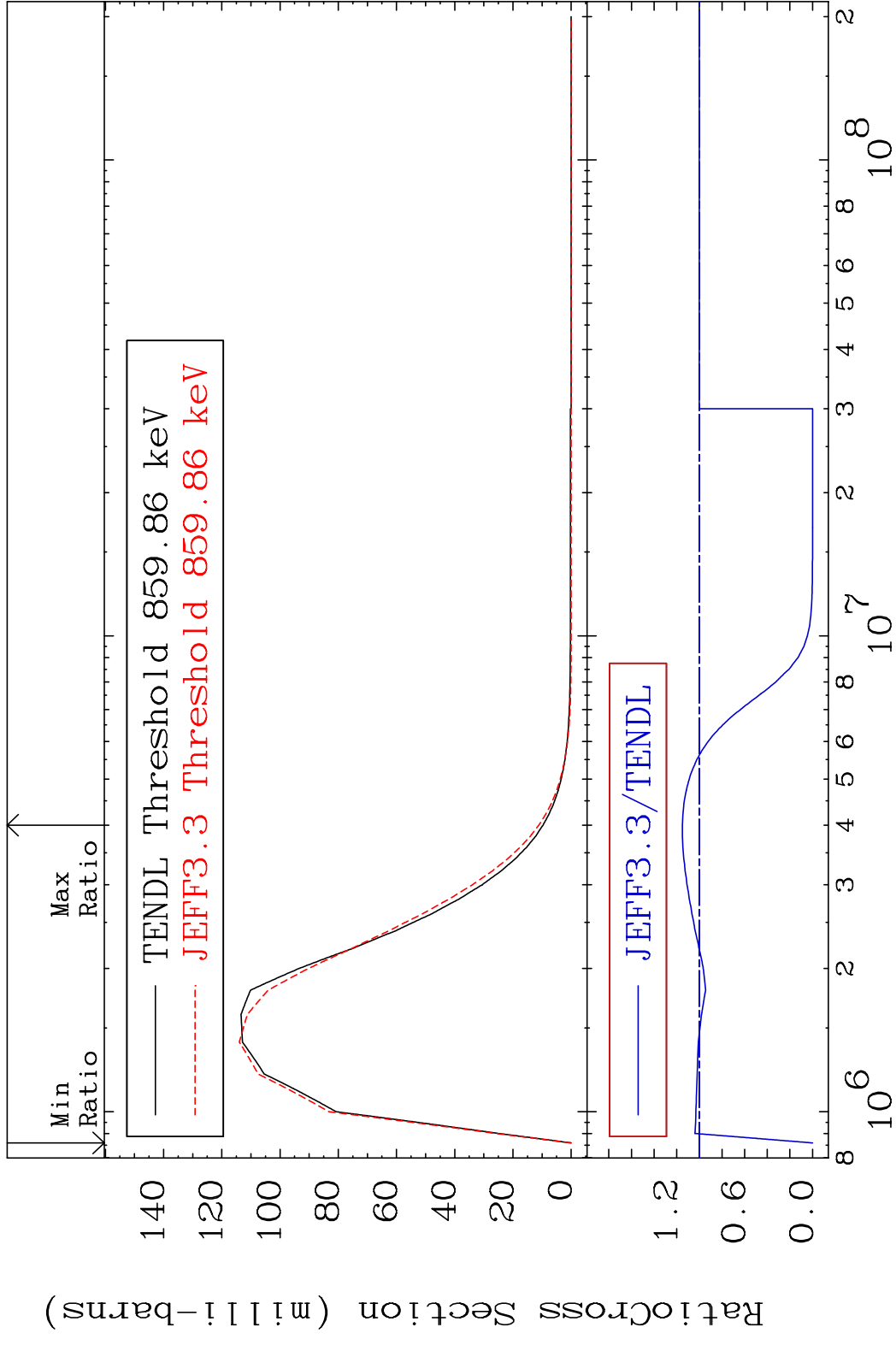


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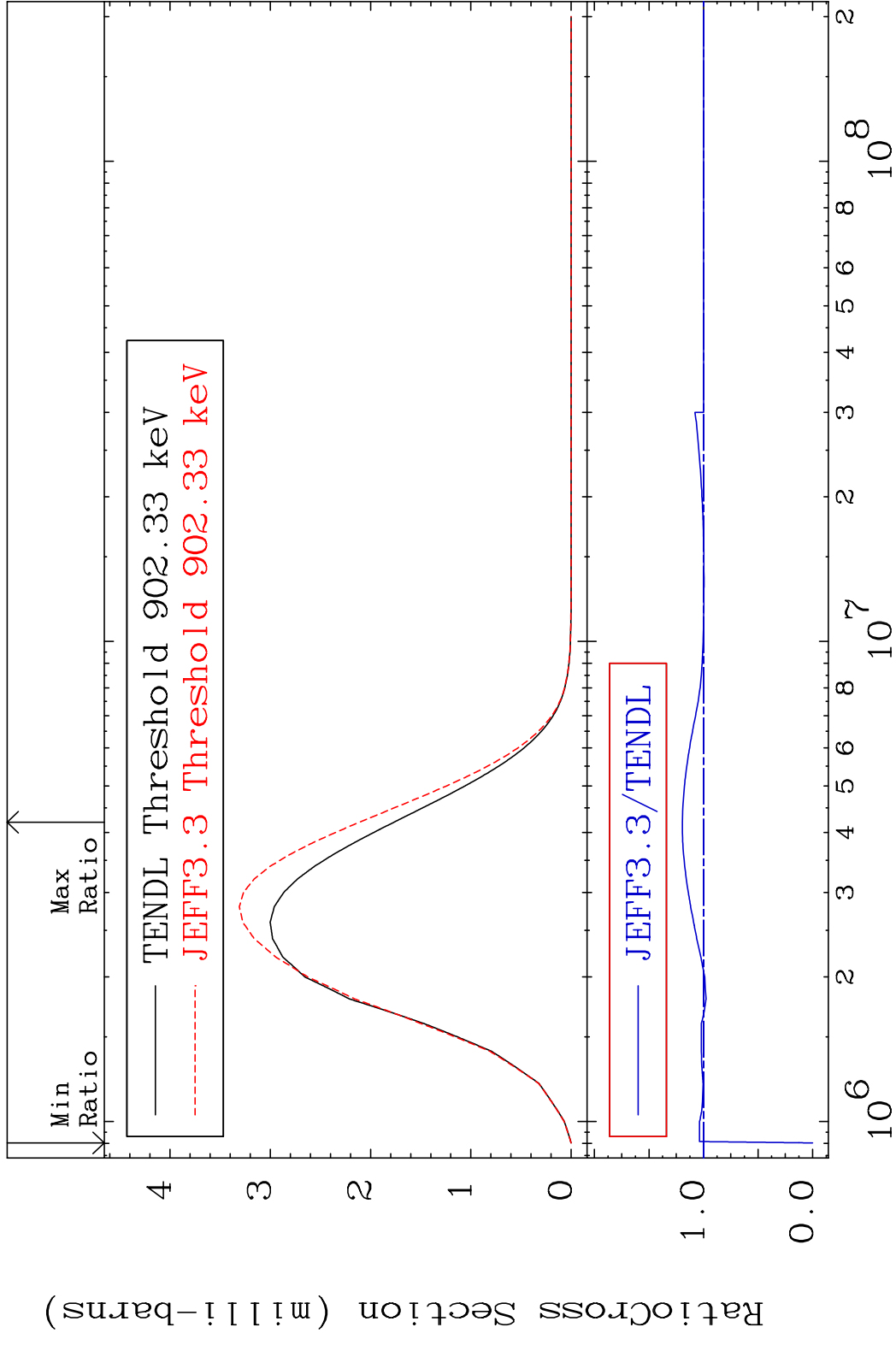
Incident Energy (eV)

45-Rh-101

MAT 4519 MT= 58 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 15.01 %

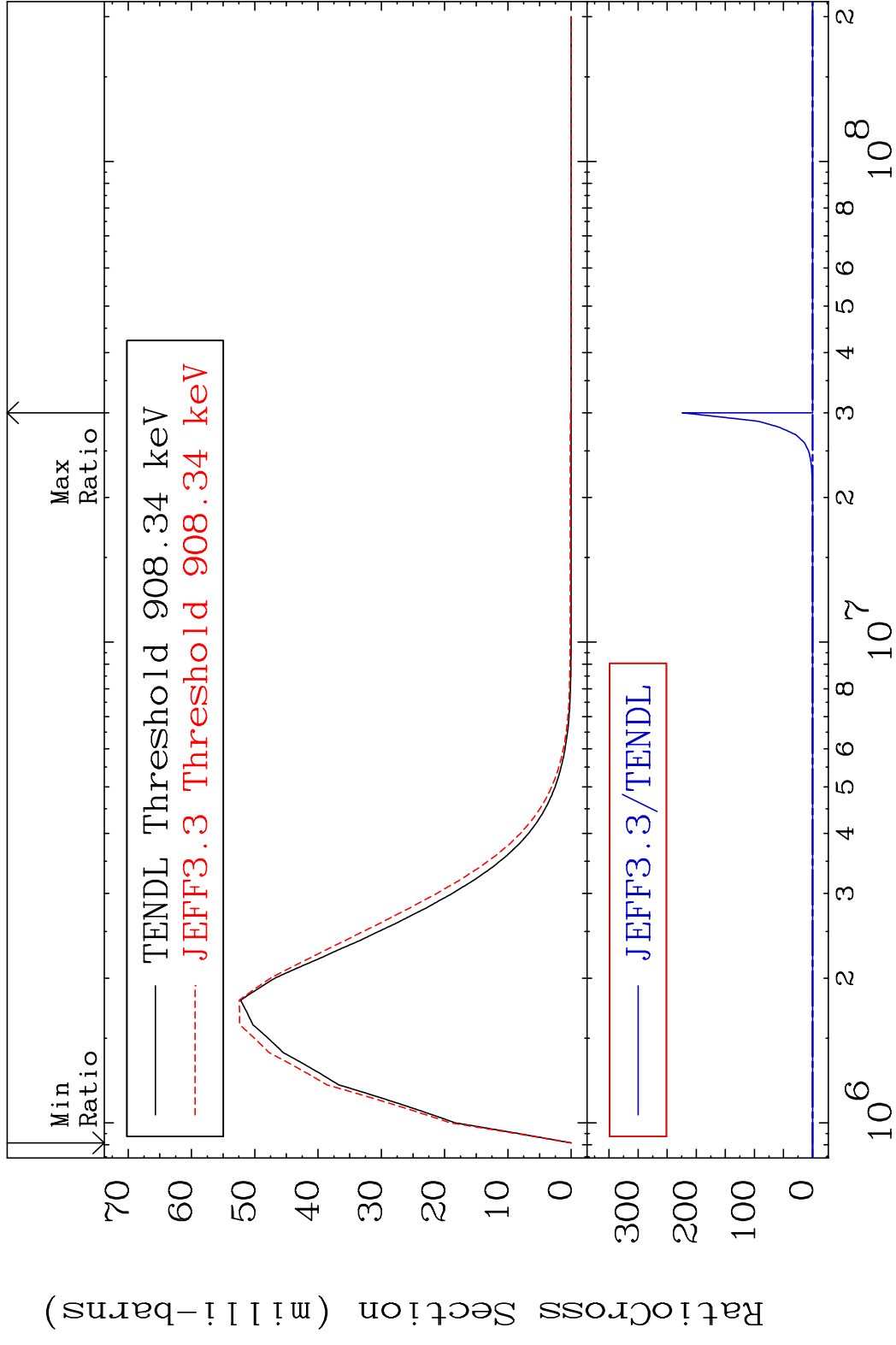


MAT 4519 MT= 59 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 19.41 %

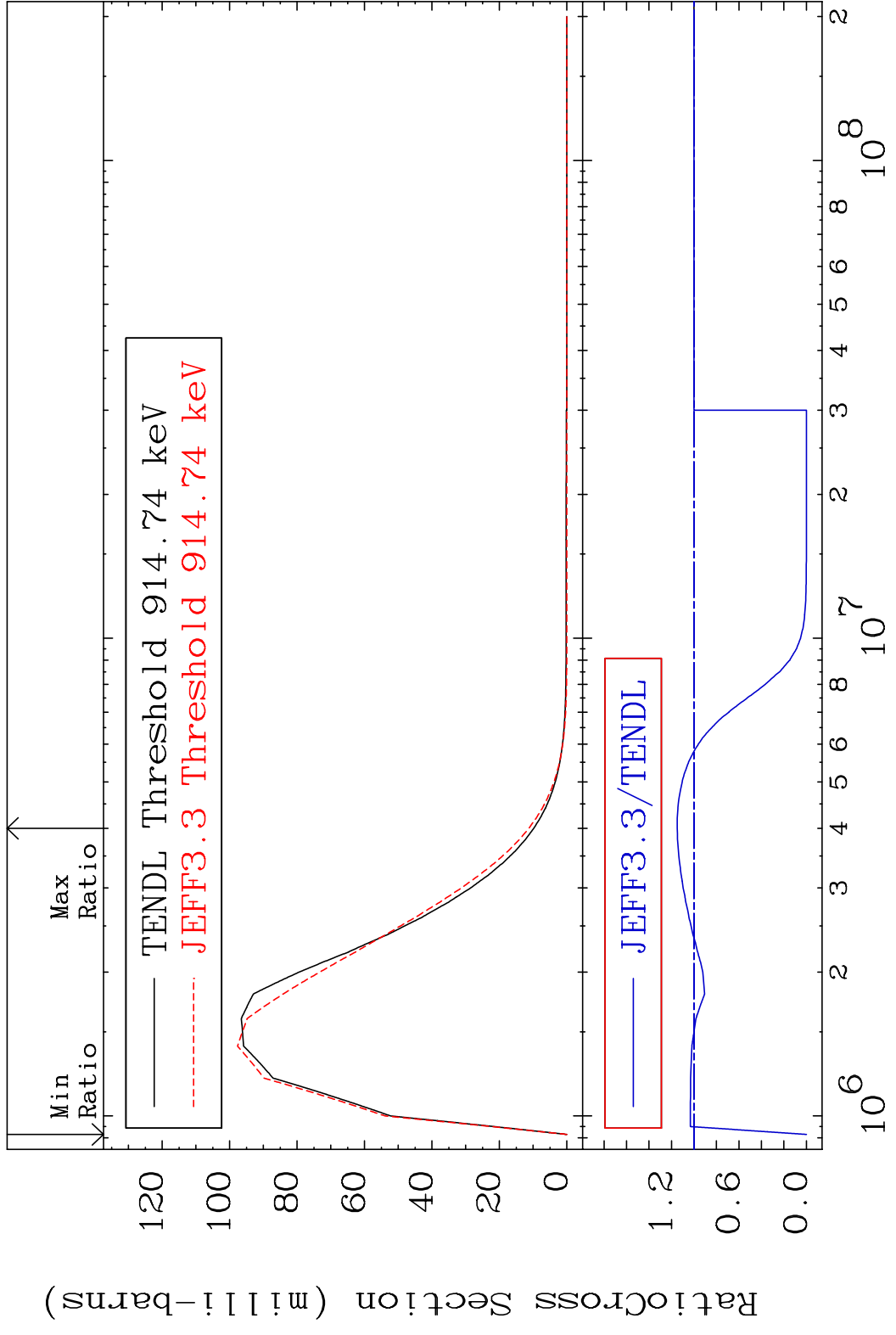


28 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 60 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %

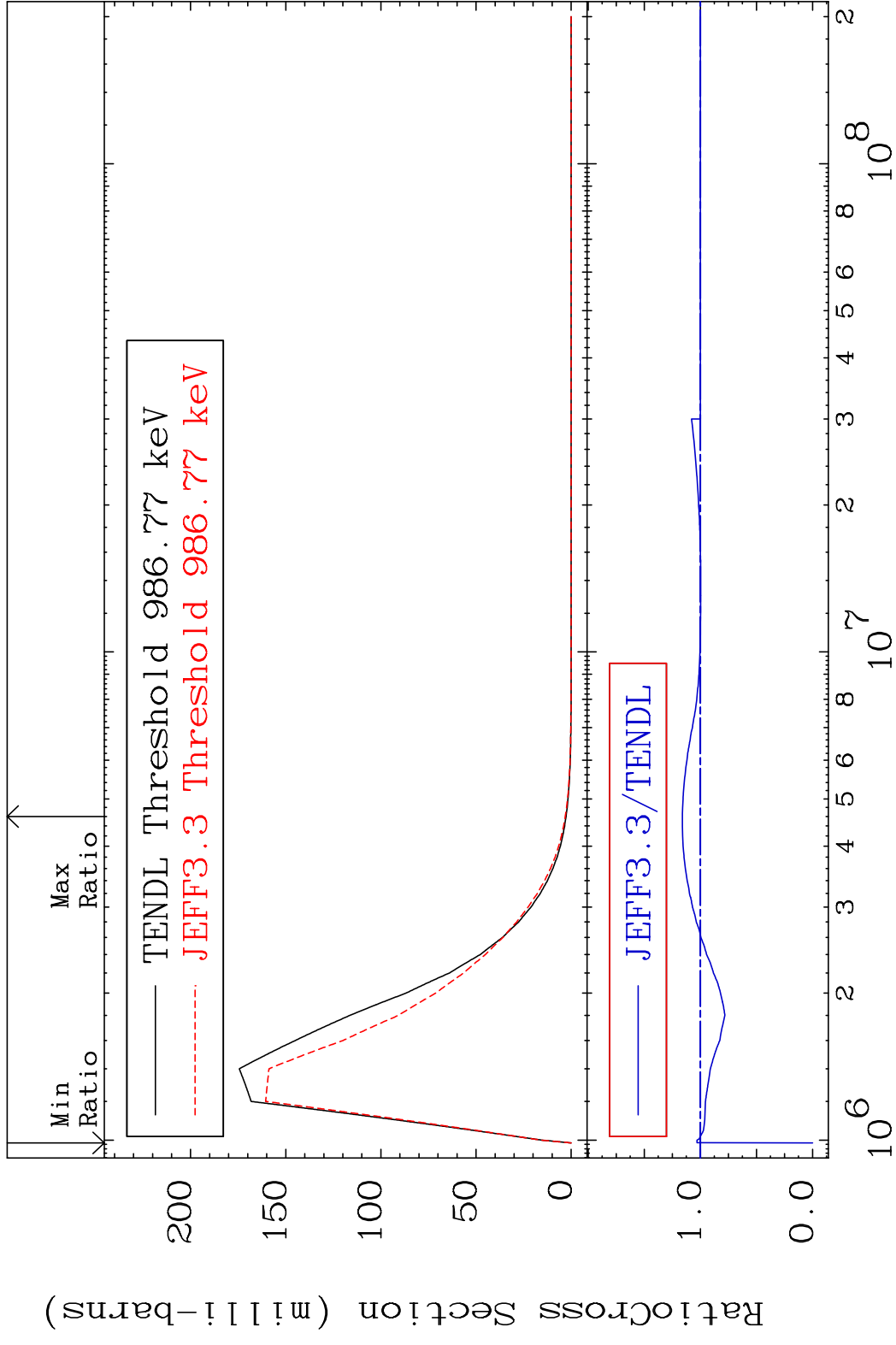


MAT 4519 MT= 61 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 14.94 %

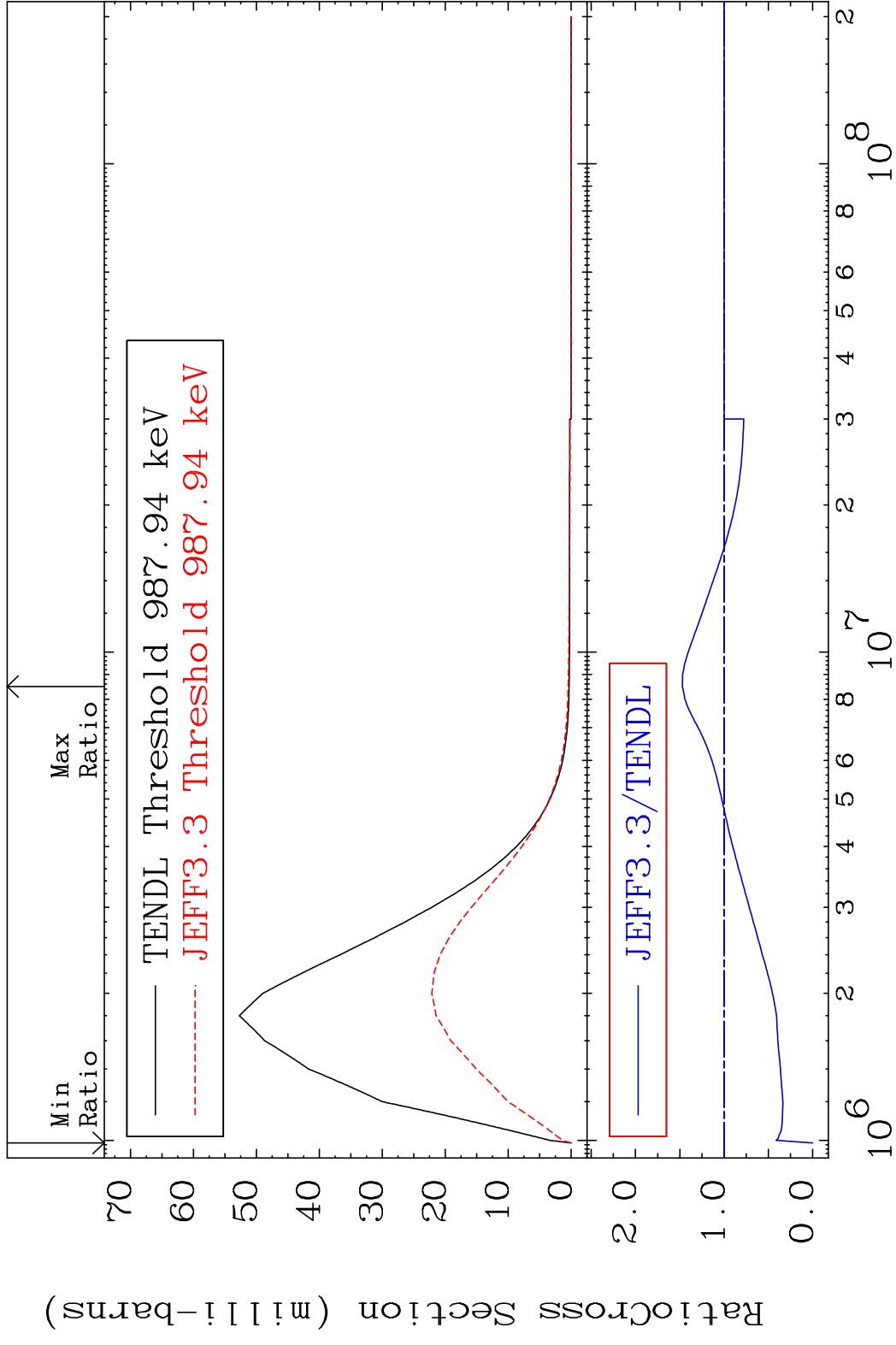


30 Incident Energy (eV) 45-Rh-101

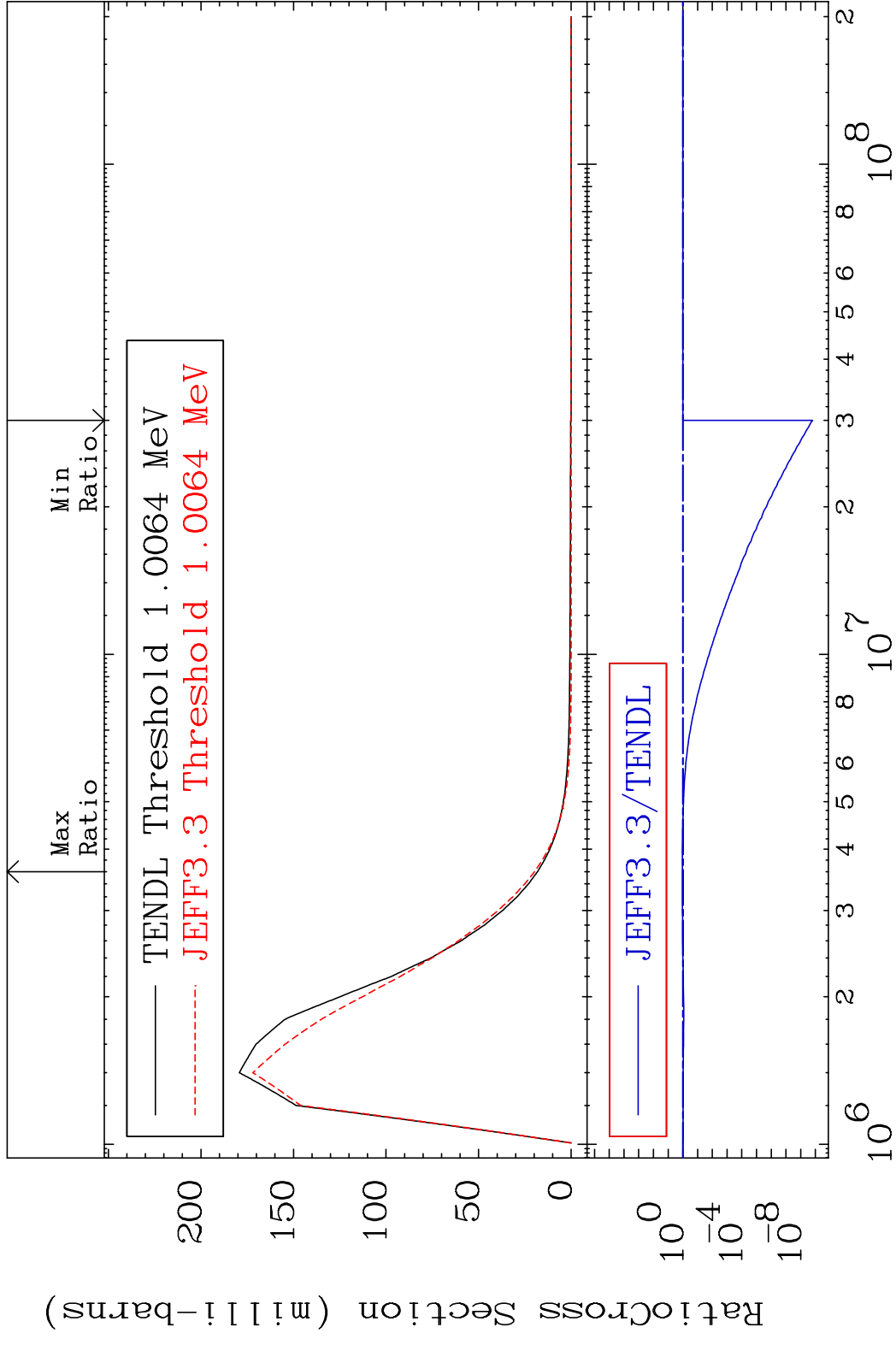
MAT 4519 MT= 62 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 16.06 %



MAT 4519 MT= 63 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 47.09 %



MAT 4519 MT= 64 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 8.548 %



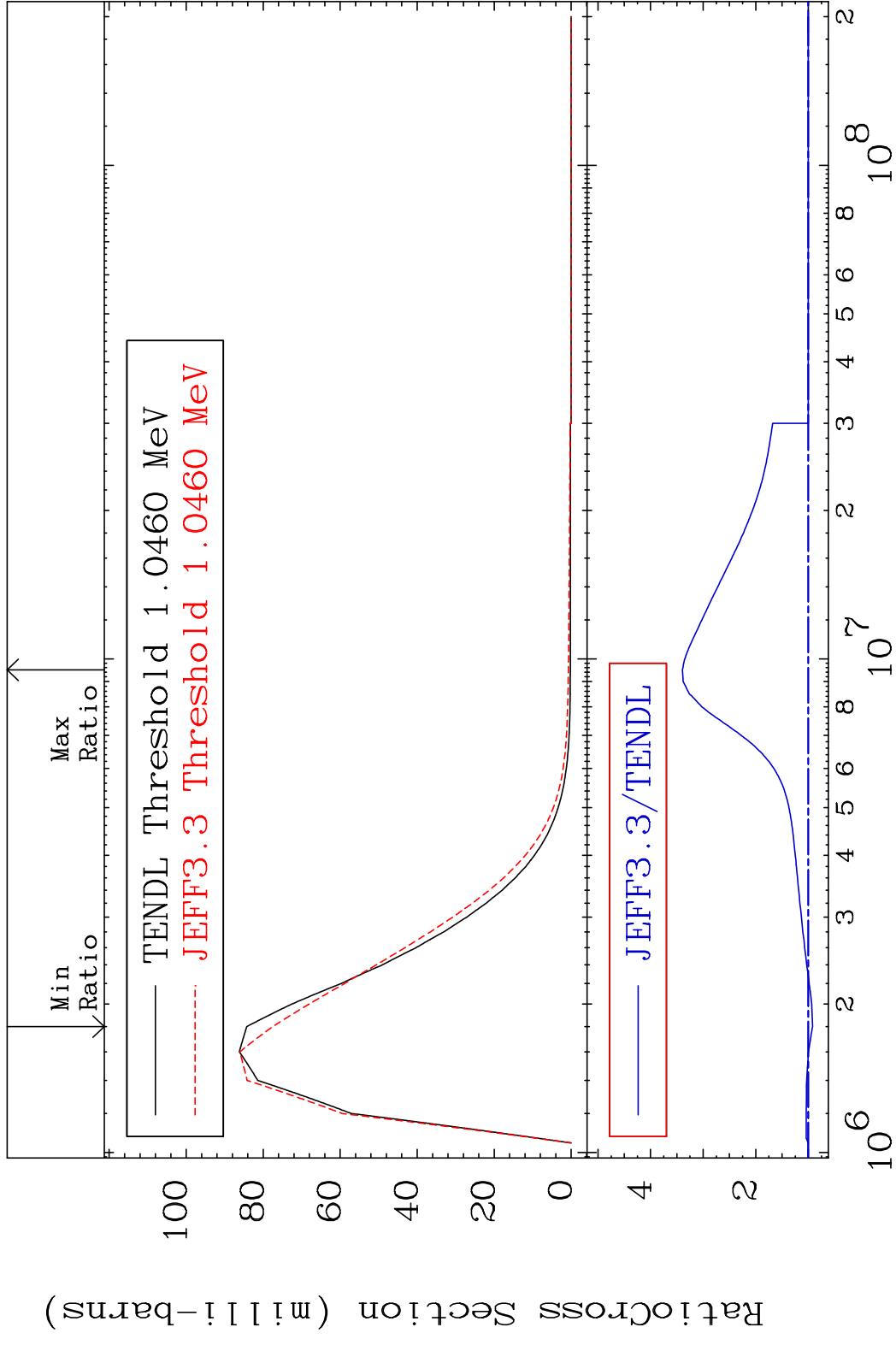
33 Incident Energy (eV) 45-Rh-101

MAT 4519

MT= 65 (n, n') Level

45-Rh-101

Cross Section -8.013 To 239.6 %

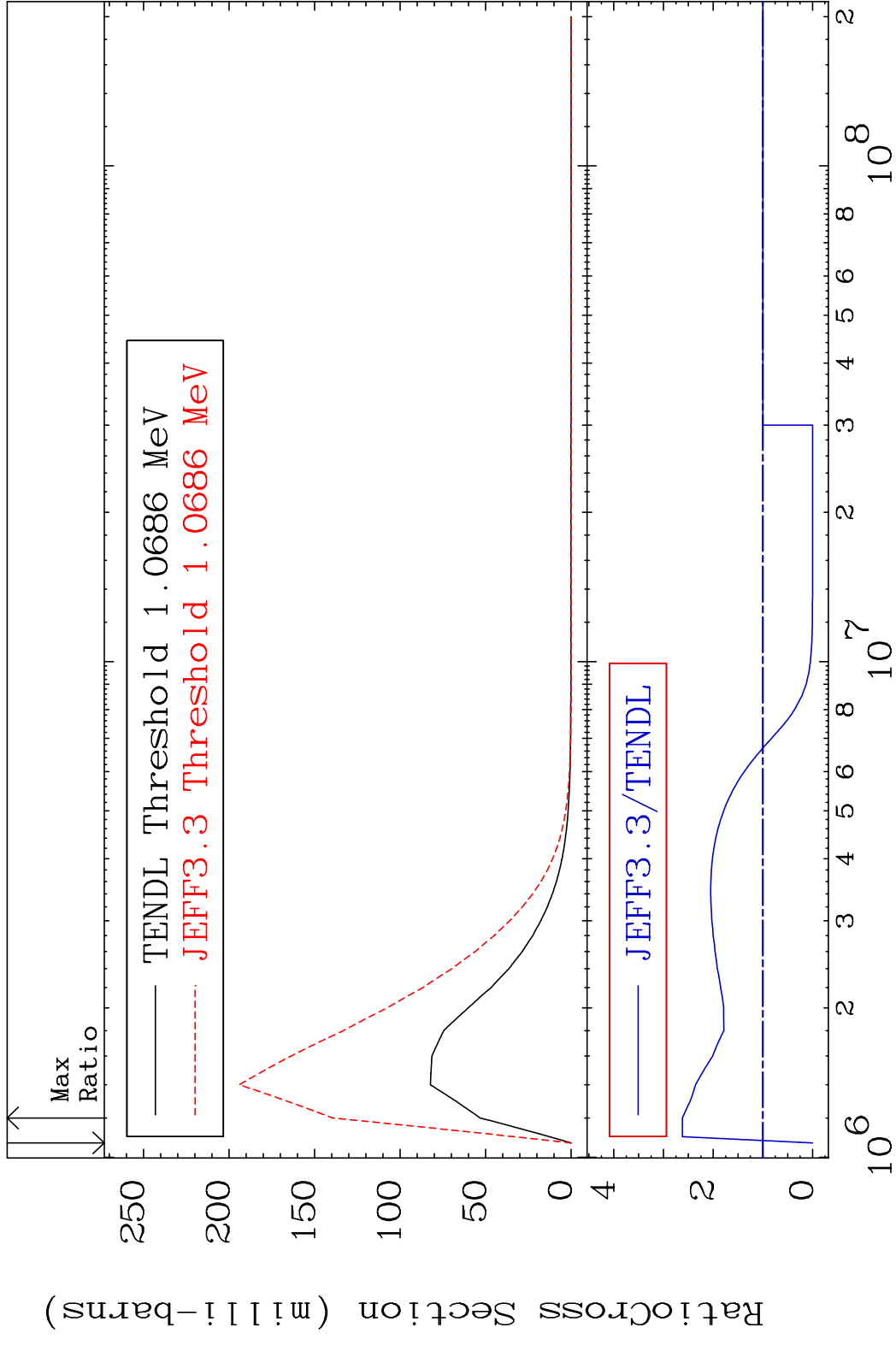


34

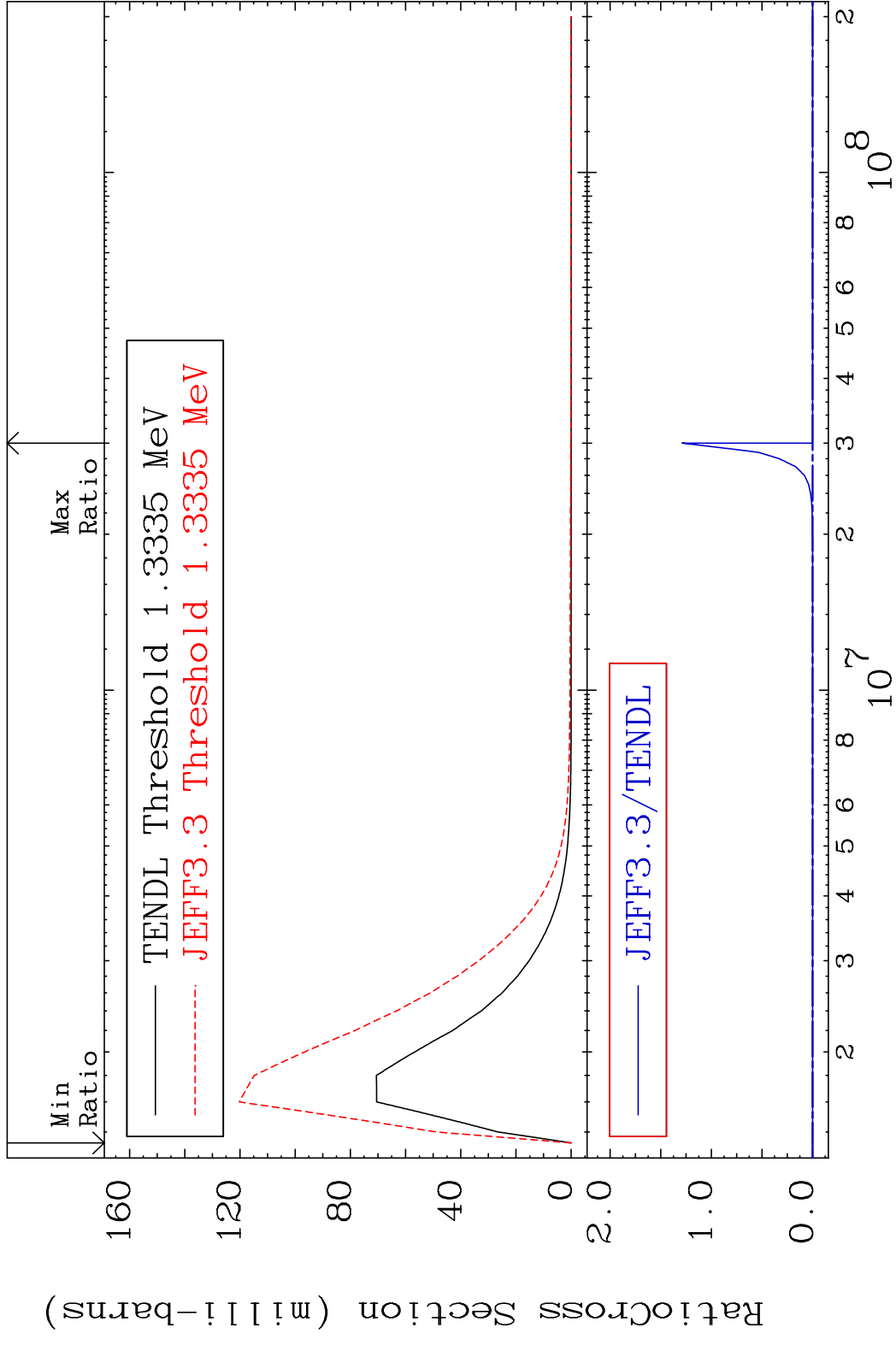
Incident Energy (eV)

45-Rh-101

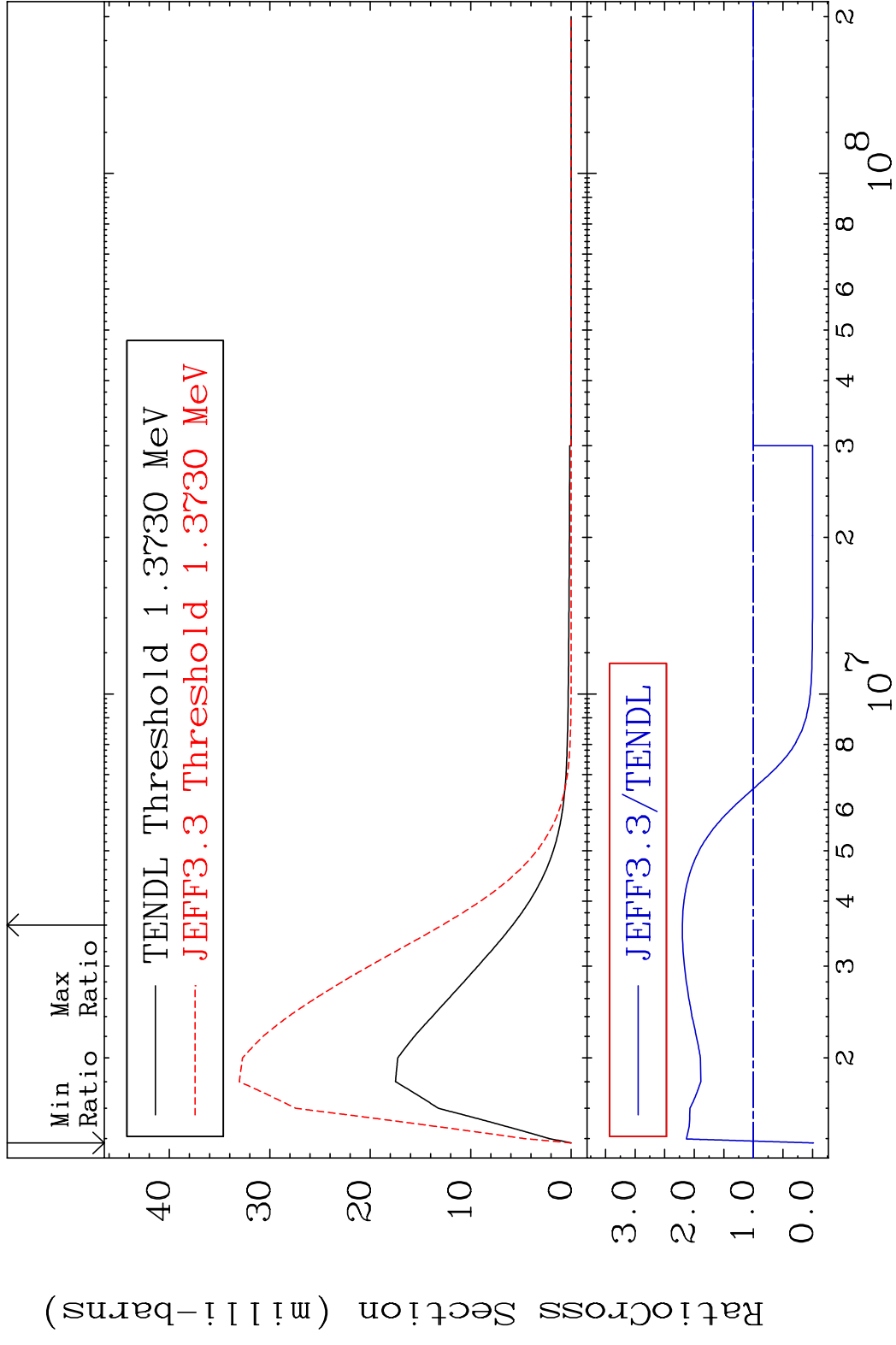
MAT 4519 MT= 66 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 162.1 %



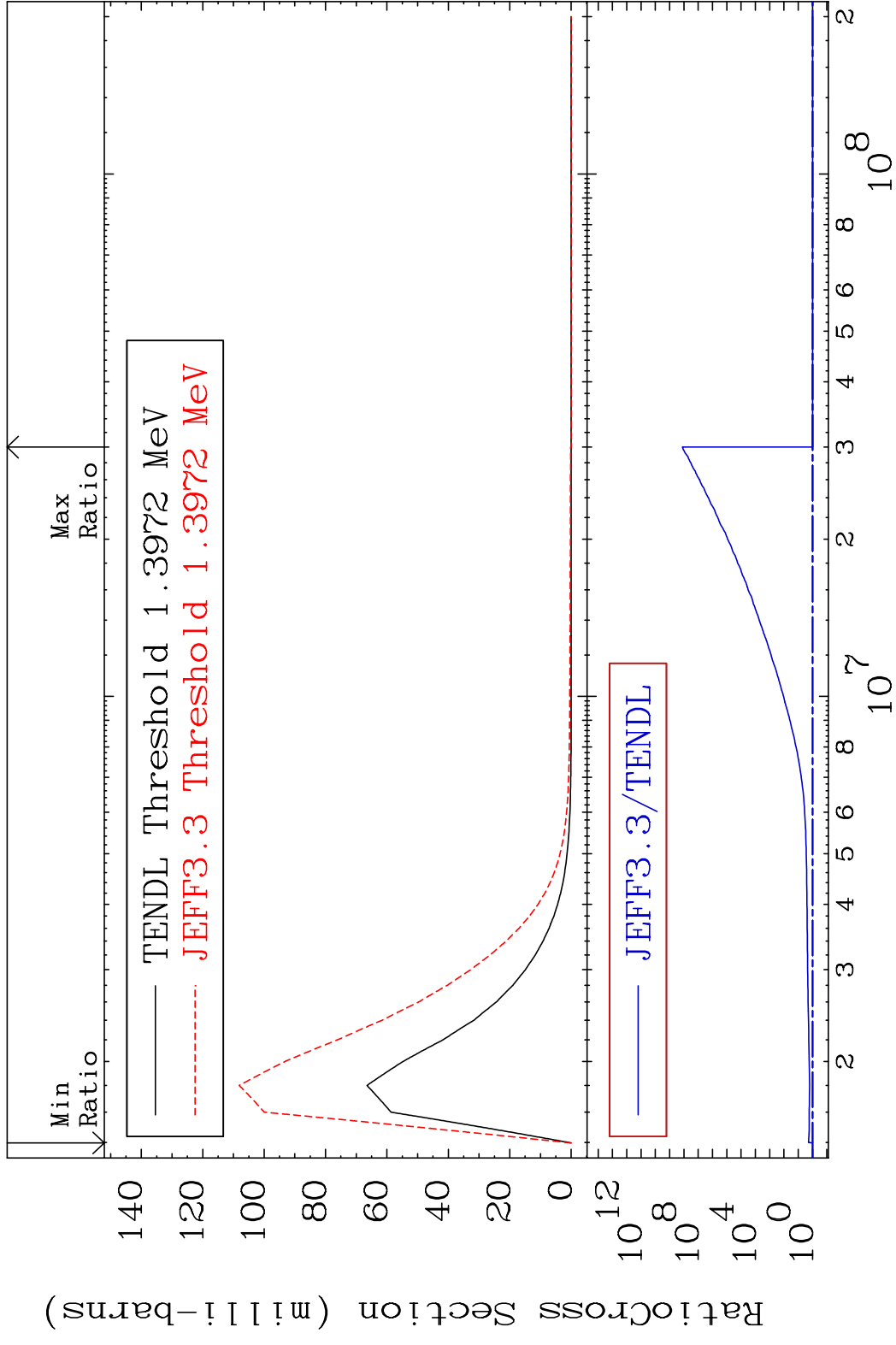
MAT 4519 MT= 67 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %



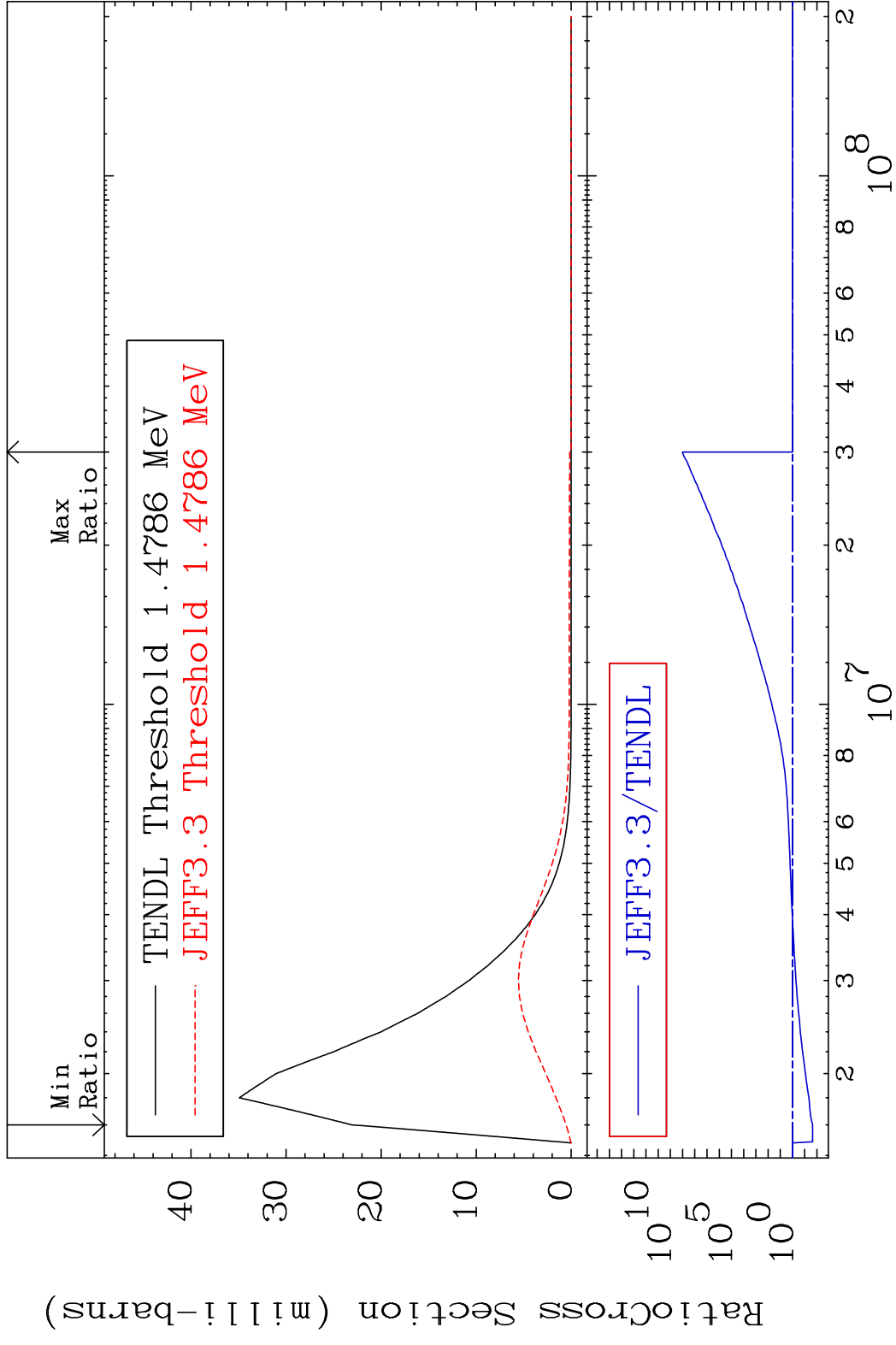
MAT 4519 MT= 68 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 120.1 %



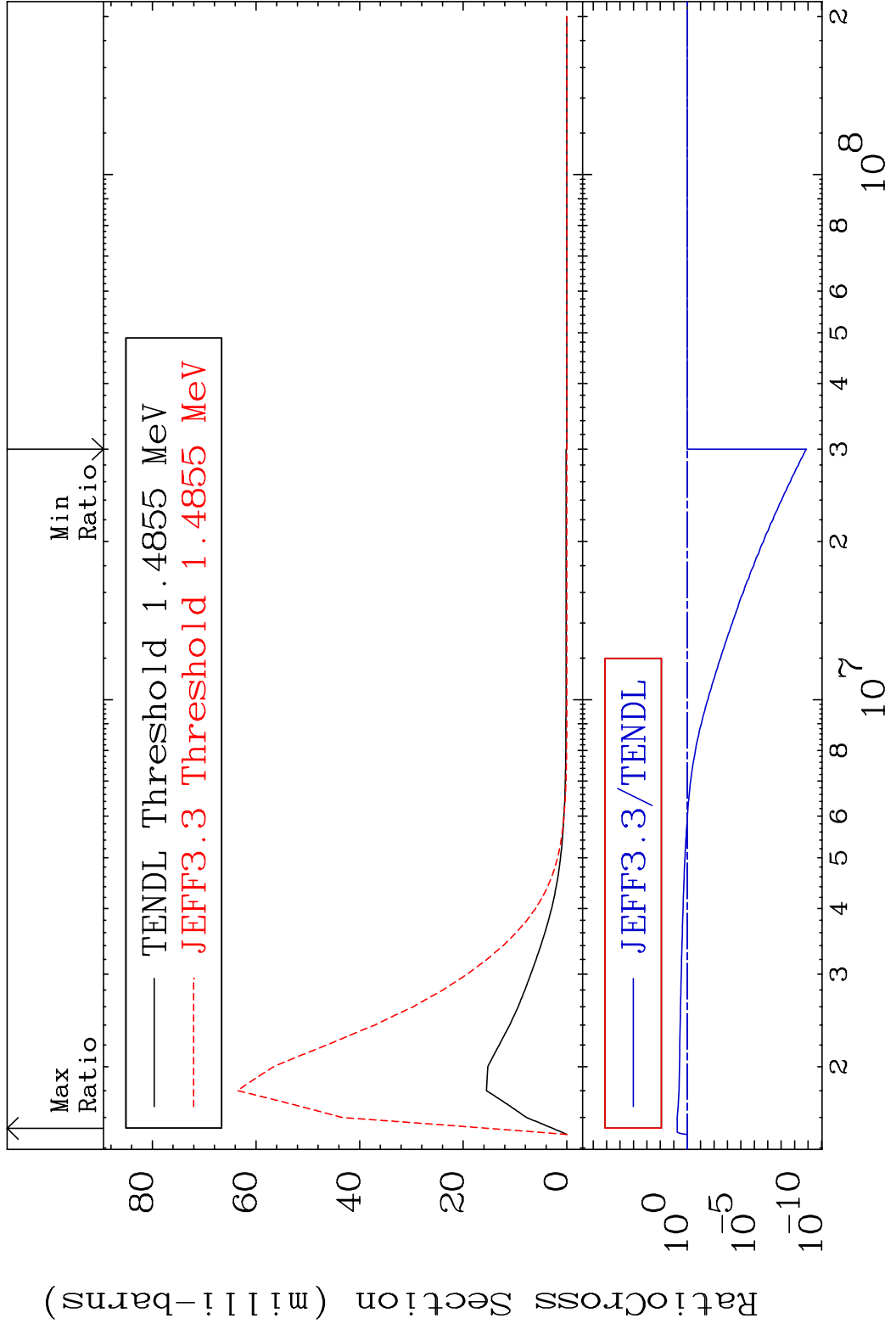
MAT 4519 MT= 69 (n,n') Level 45-Rh-101
 Cross Section 0.000 To 9999. %



MAT 4519 MT= 70 (n,n') Level 45-Rh-101
 Cross Section -97.72 To 9999. %

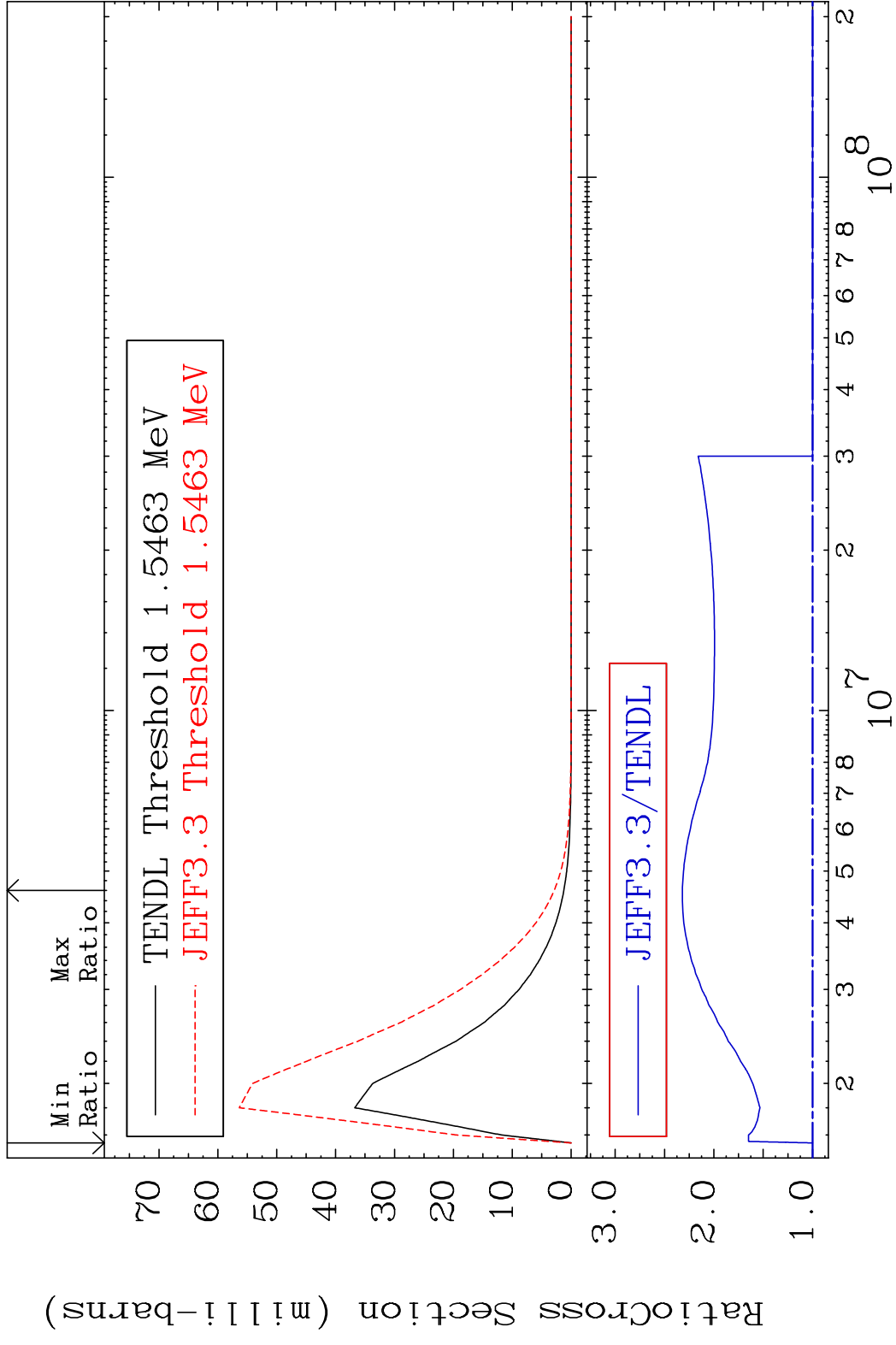


MAT 4519 MT= 71 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 455.6 %

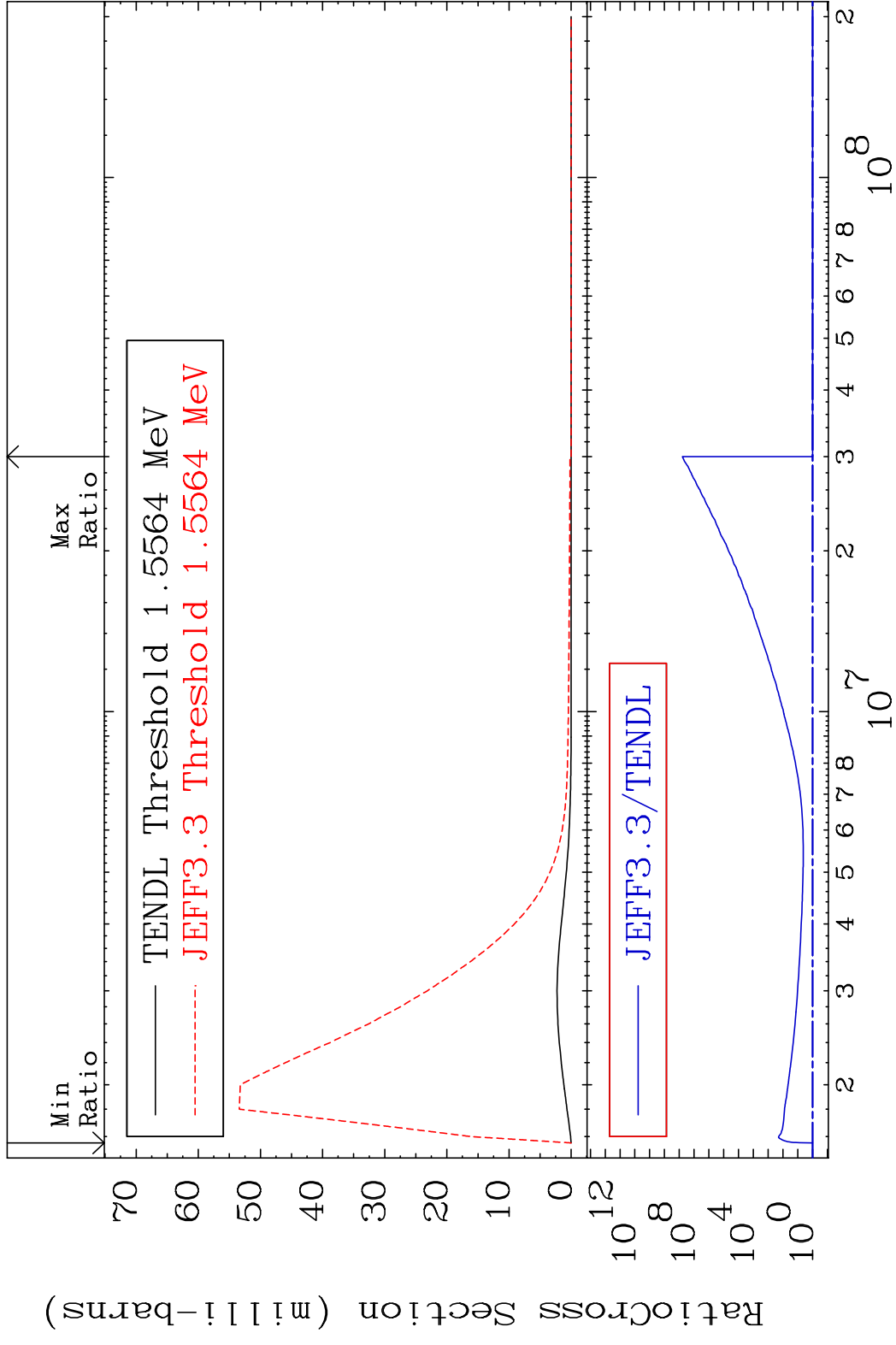


40 Incident Energy (eV) 45-Rh-101

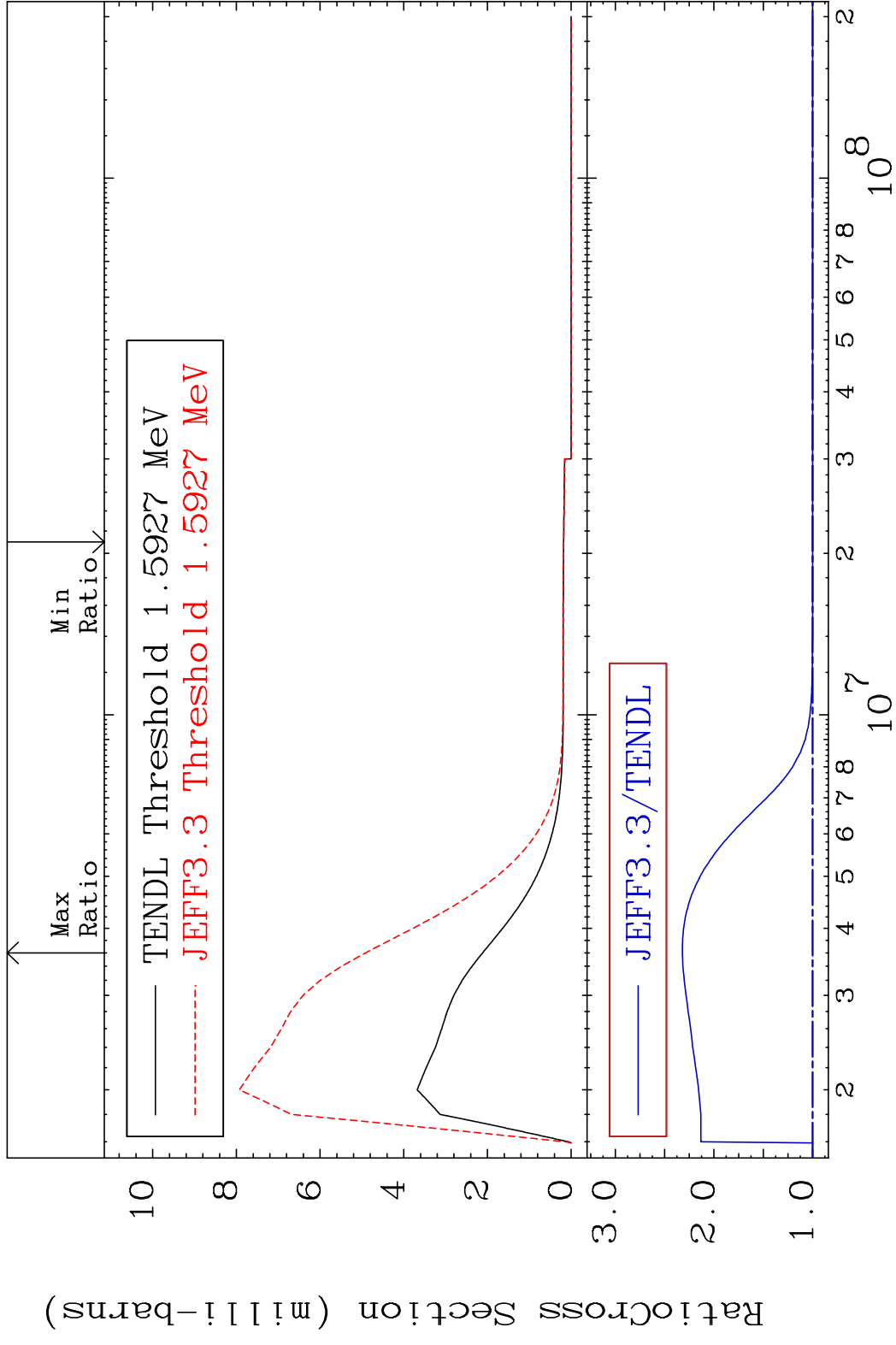
MAT 4519 MT= 72 (n,n') Level 45-Rh-101
 Cross Section 0.000 To 131.9 %



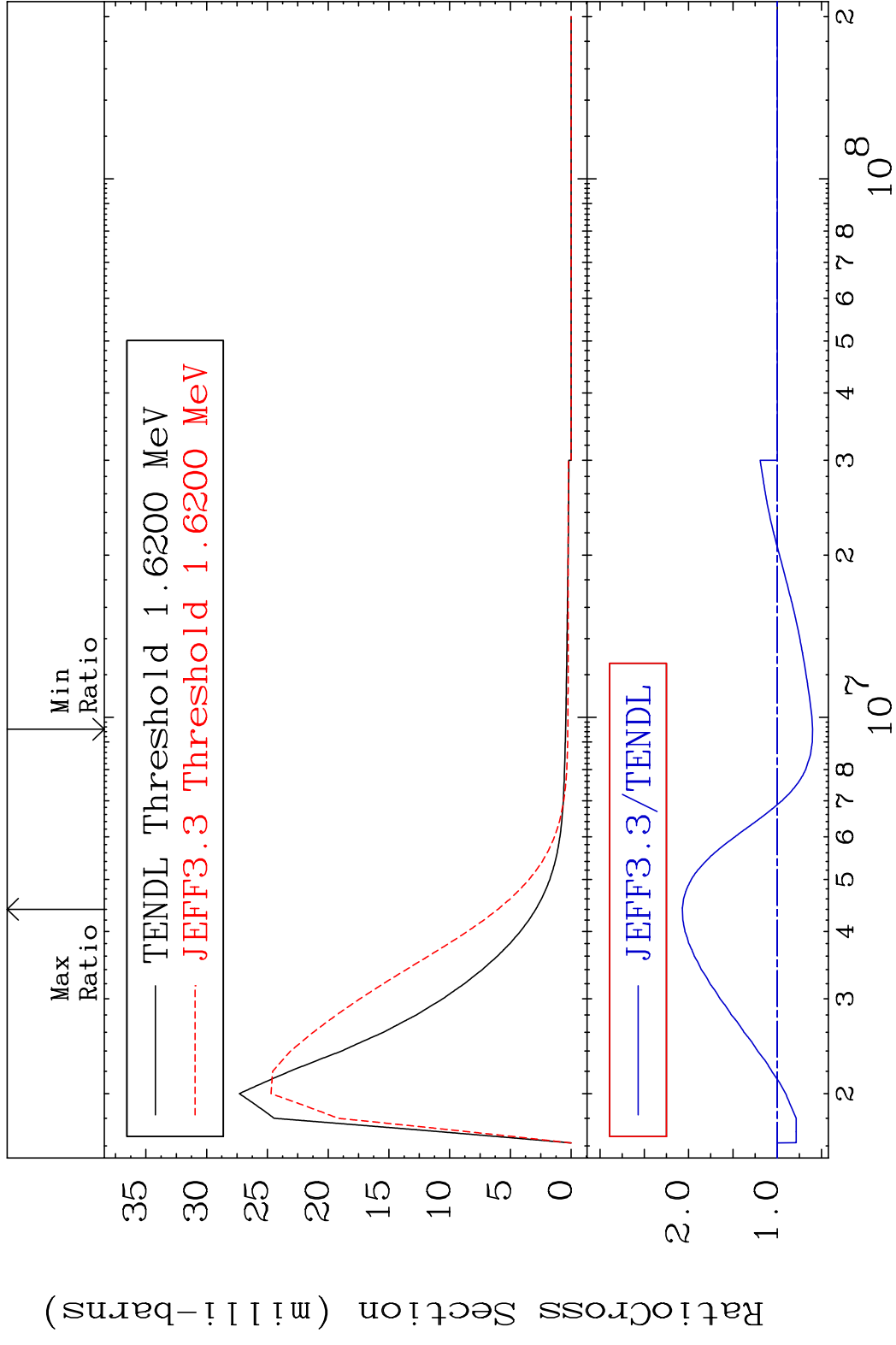
MAT 4519 MT= 73 (n, n') Level 45-Rh-101
 Cross Section 0.000 To 9999. %



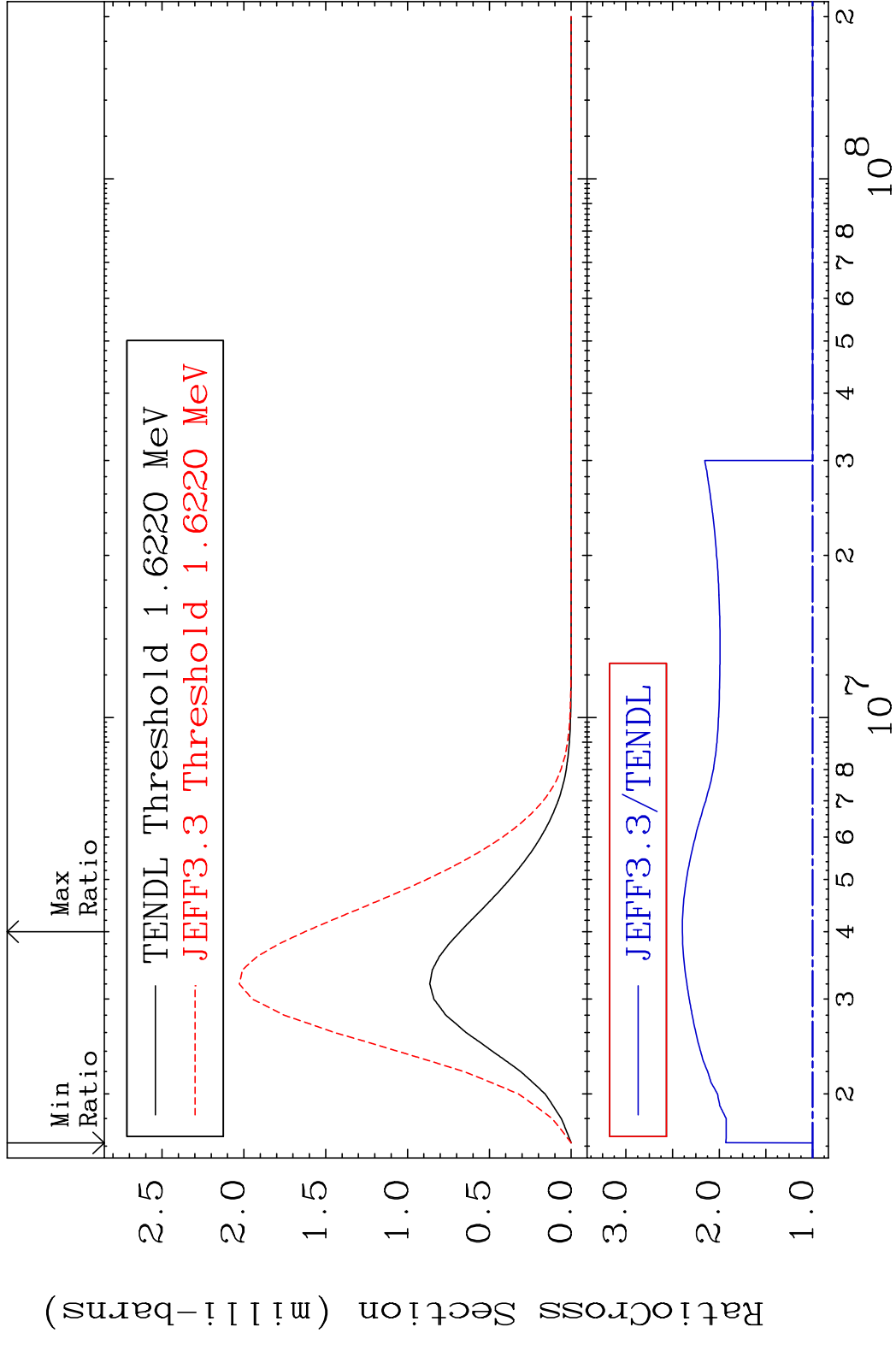
MAT 4519 MT= 74 (n,n') Level 45-Rh-101
 Cross Section 0.000 To 132.1 %



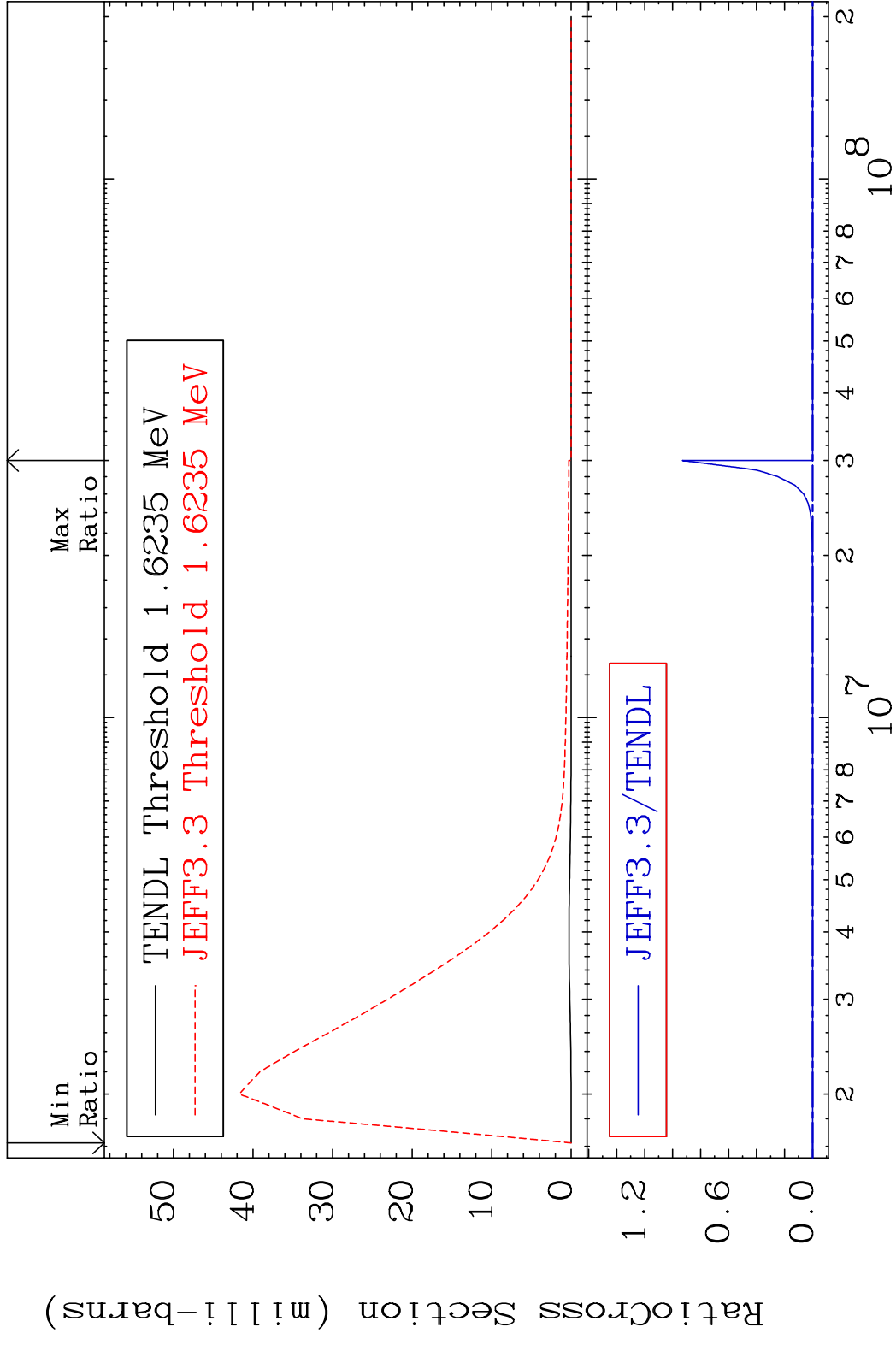
MAT 4519 MT= 75 (n,n') Level 45-Rh-101
 Cross Section -39.89 To 107.1 %



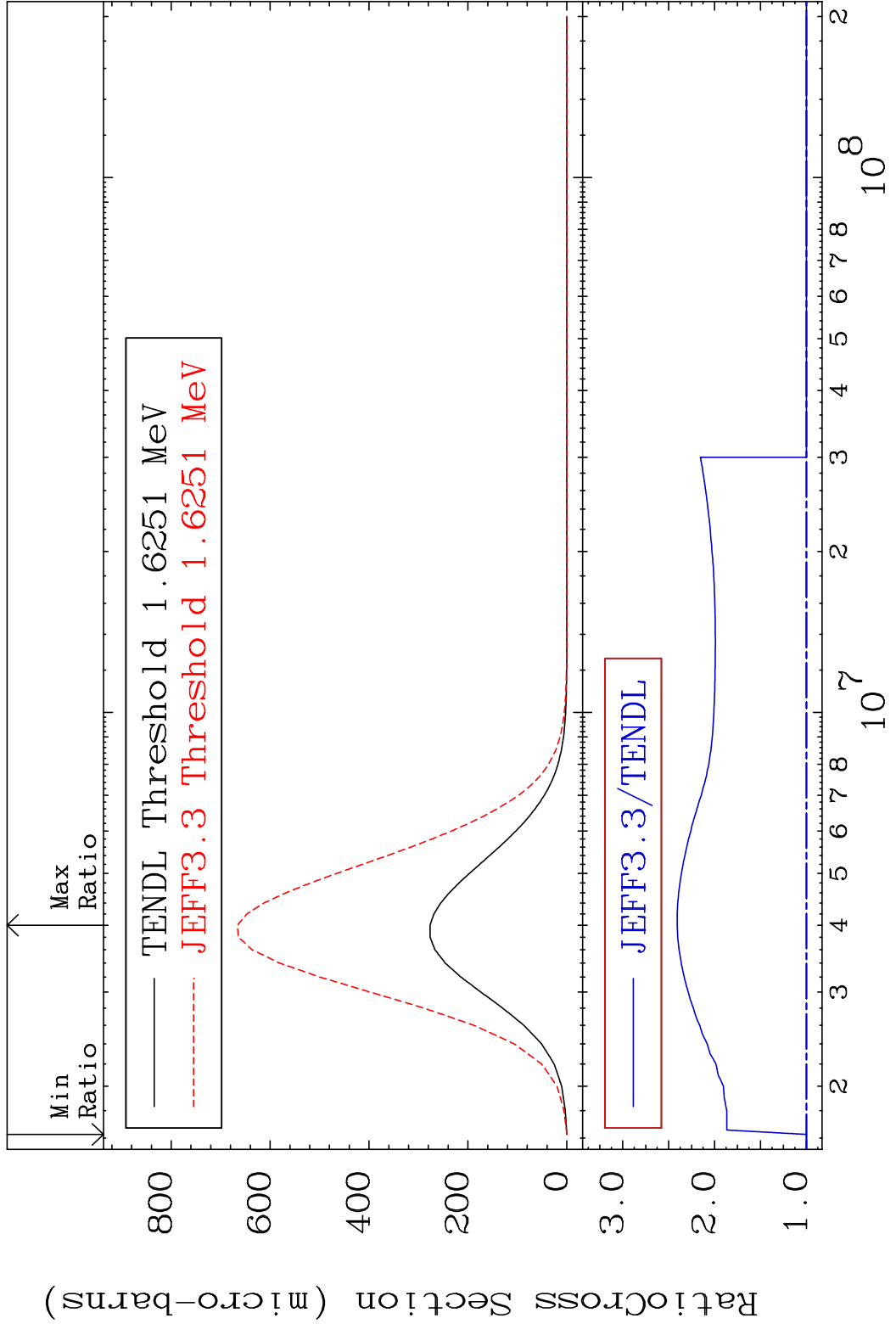
MAT 4519 MT= 76 (n,n') Level 45-Rh-101
 Cross Section 0.000 To 139.5 %



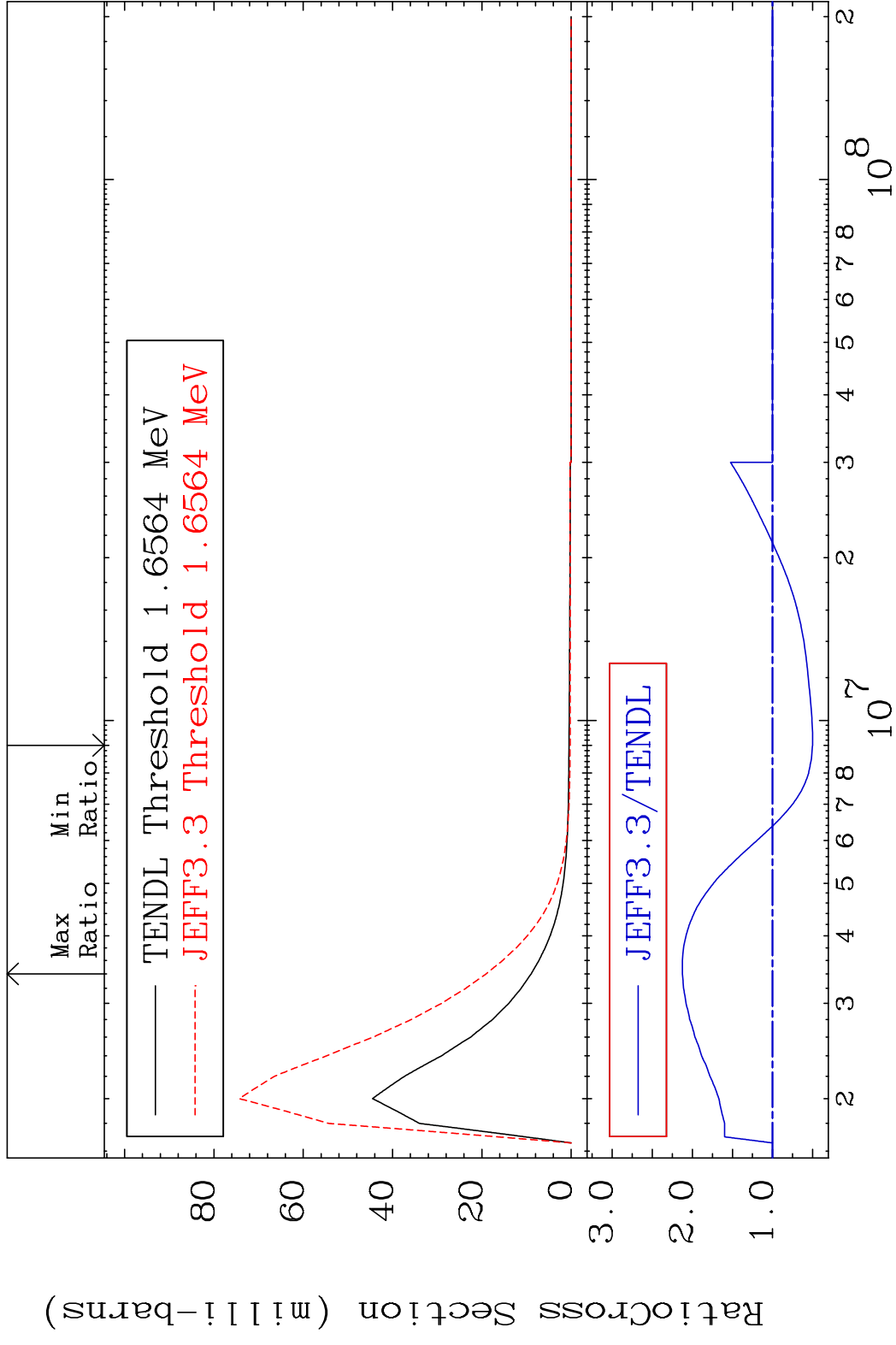
MAT 4519 MT= 77 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %



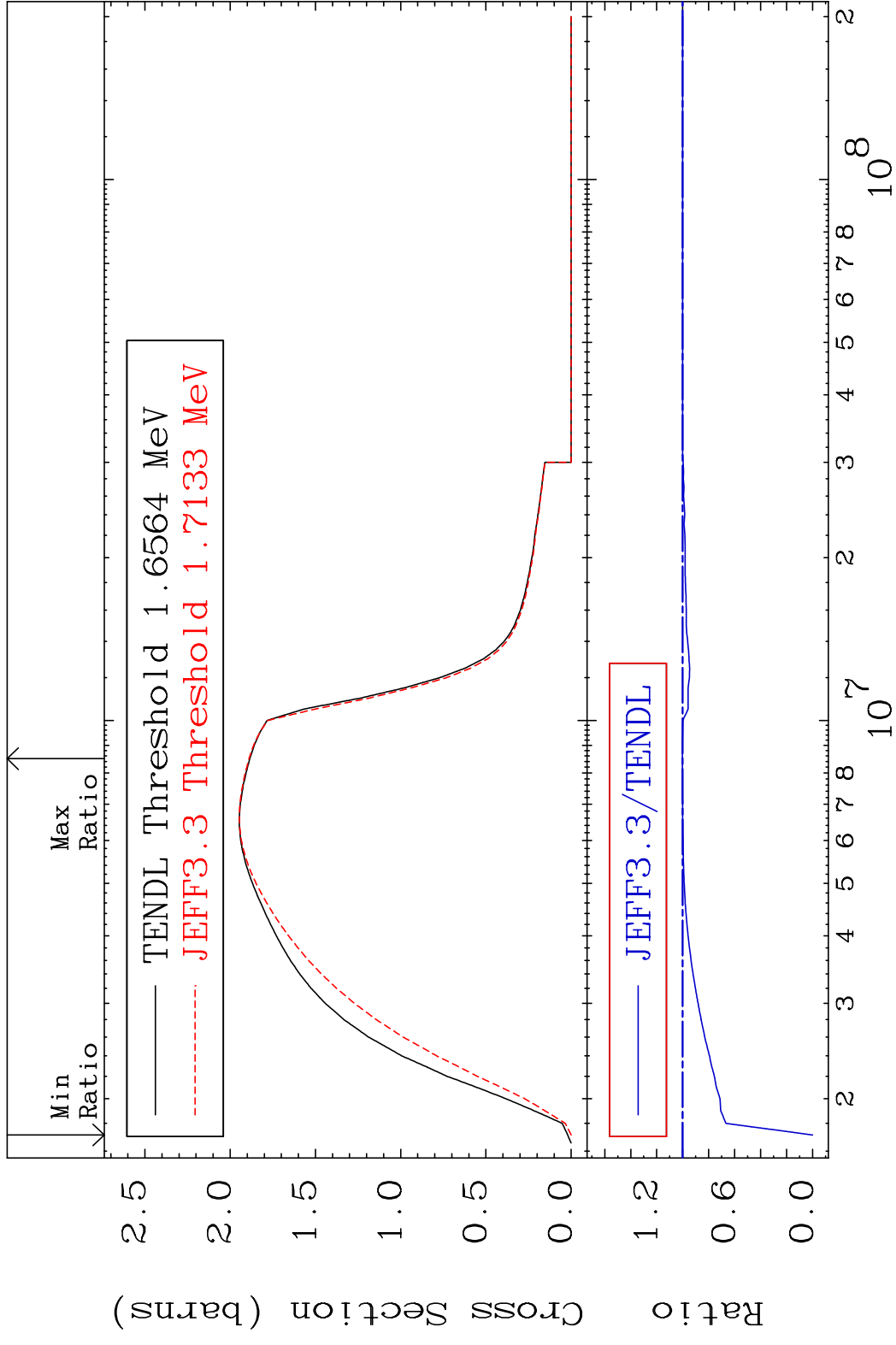
MAT 4519 MT= 78 (n, n') Level 45-Rh-101
 Cross Section 0.000 To 140.7 %



MAT 4519 MT= 79 (n, n') Level 45-Rh-101
 Cross Section -49.89 To 112.5 %



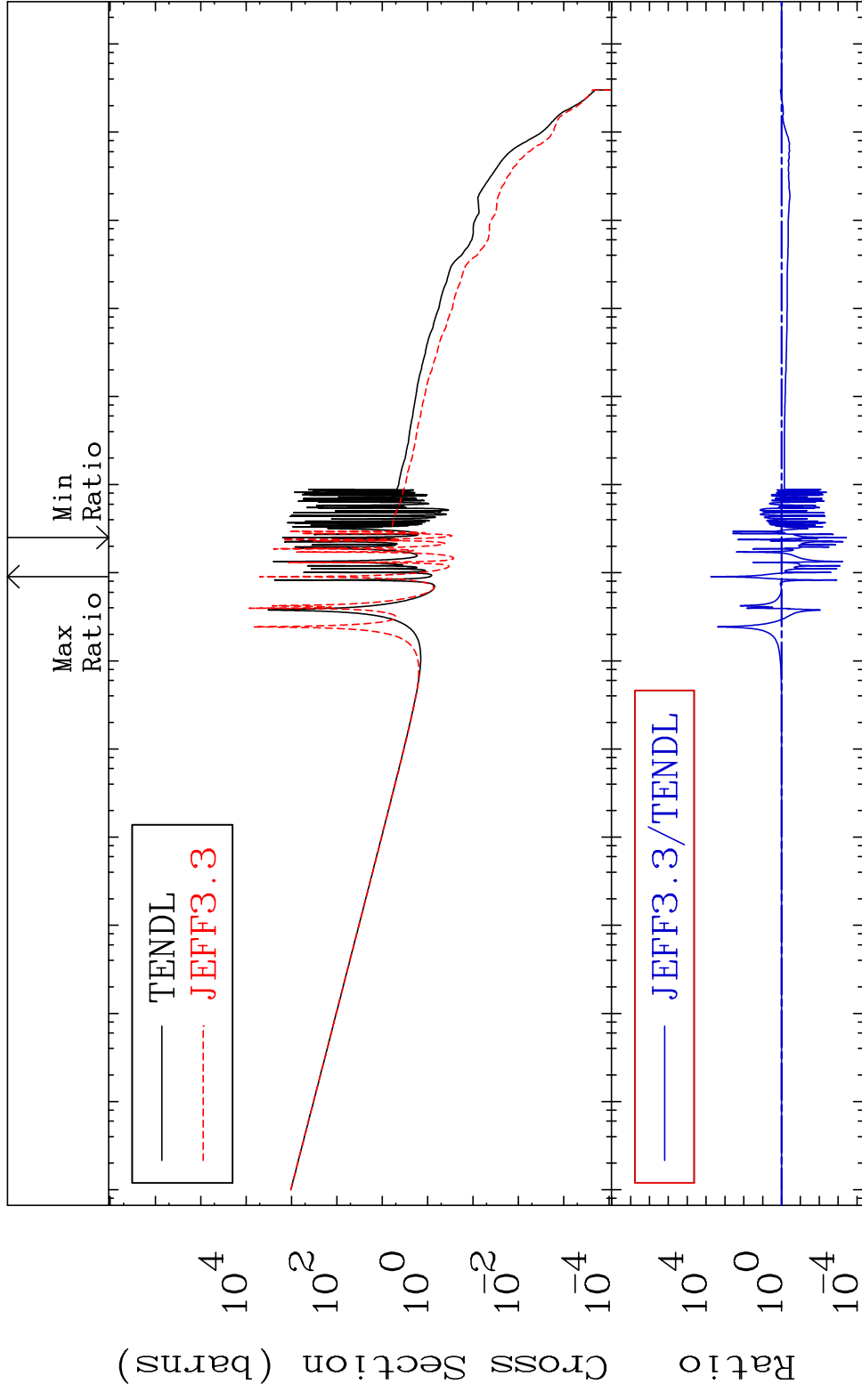
MAT 4519 (n, n') Continuum 45-Rh-101
 Cross Section -100.0 To 0.259 %



MAT 4519

(n, γ)
Cross Section -99.96 To 9999. %

45-Rh-101



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Incident Energy (eV)

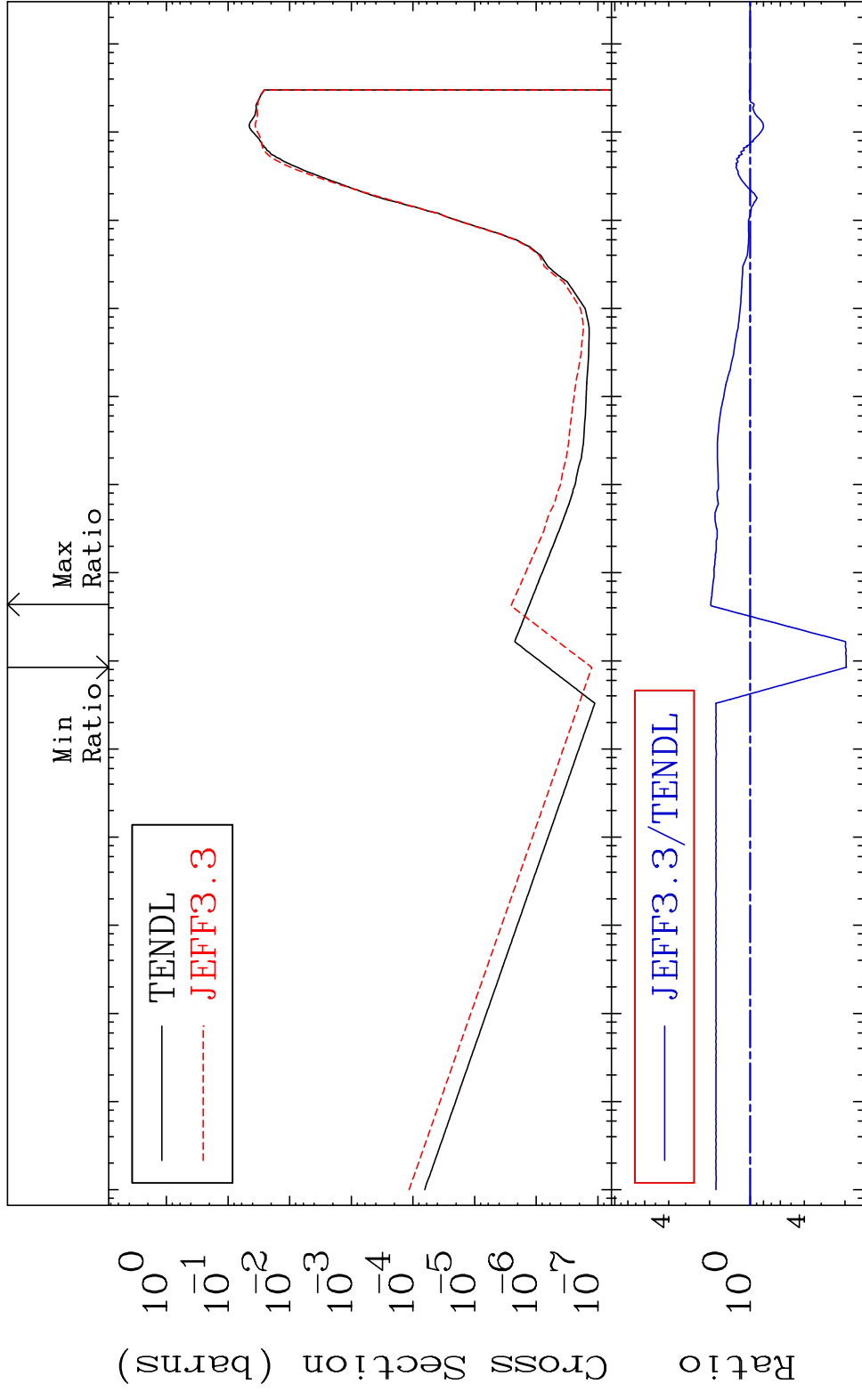
45-Rh-101

MAT 4519

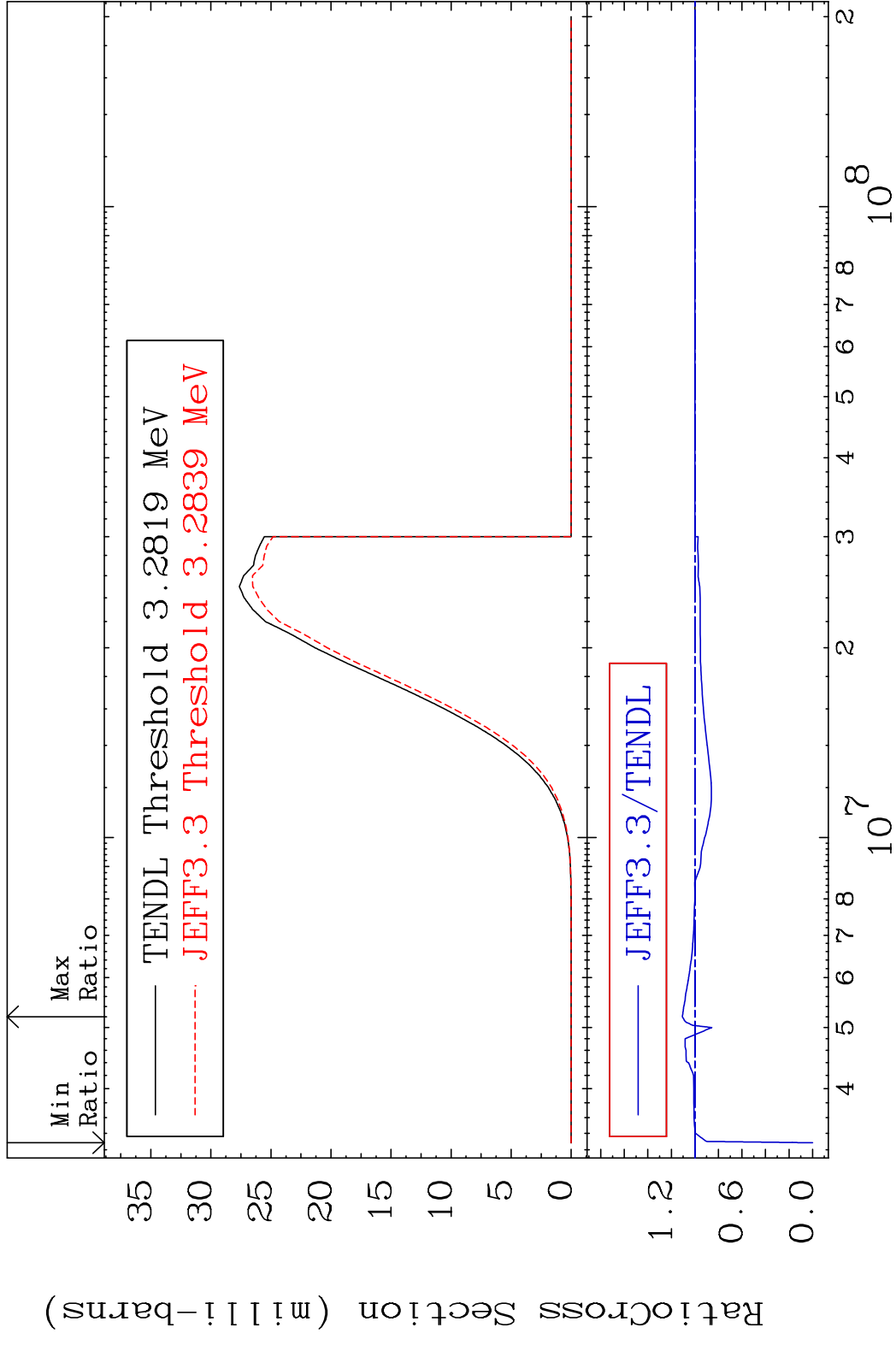
(n, p)

45-Rh-101

Cross Section -80.43 To 95.83 %



MAT 4519 (n,d) 45-Rh-101
 Cross Section -100.0 To 10.65 %

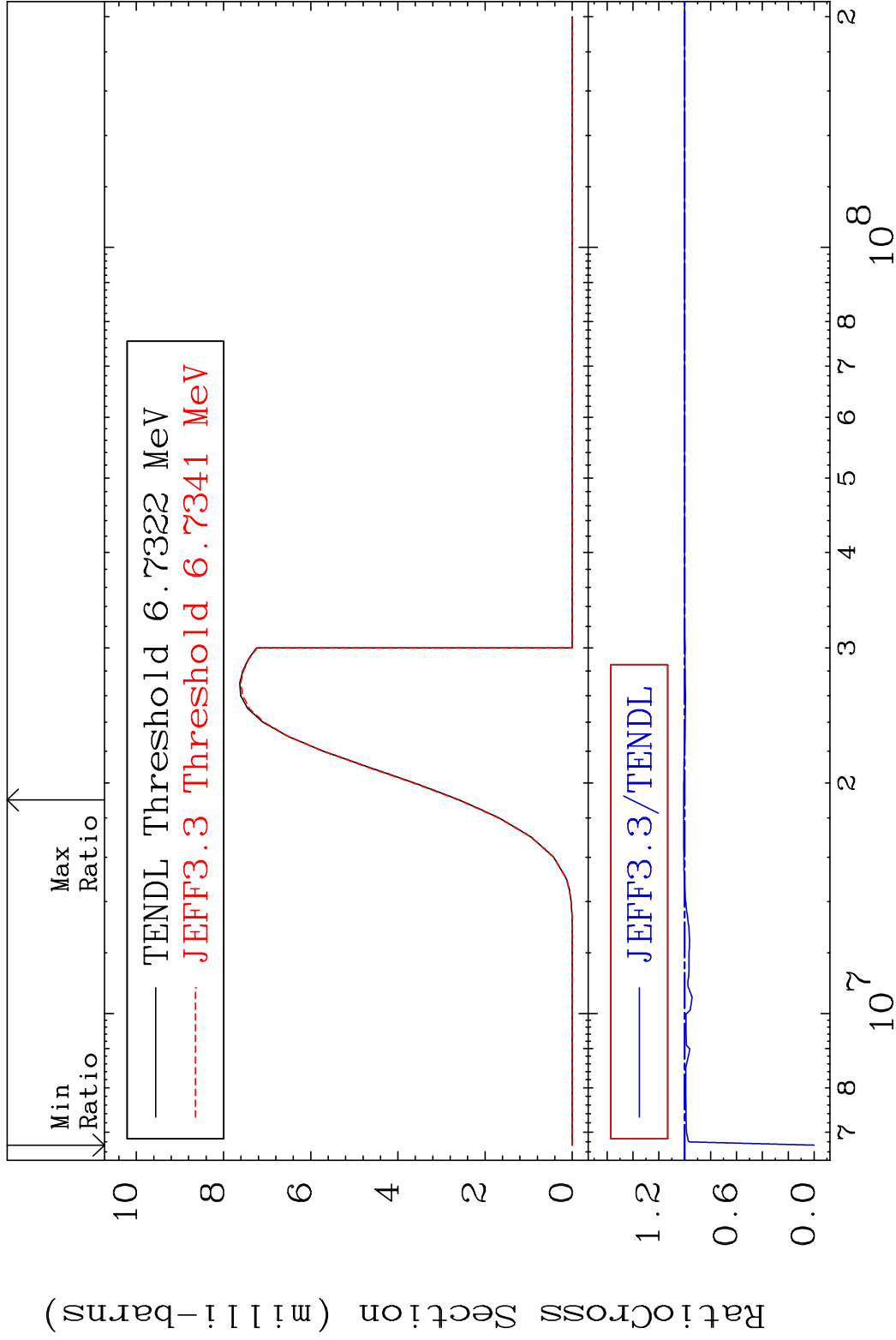


MAT 4519

(n, t)

45-Rh-101

Cross Section -100.0 To 0.814 %



53

Incident Energy (eV)

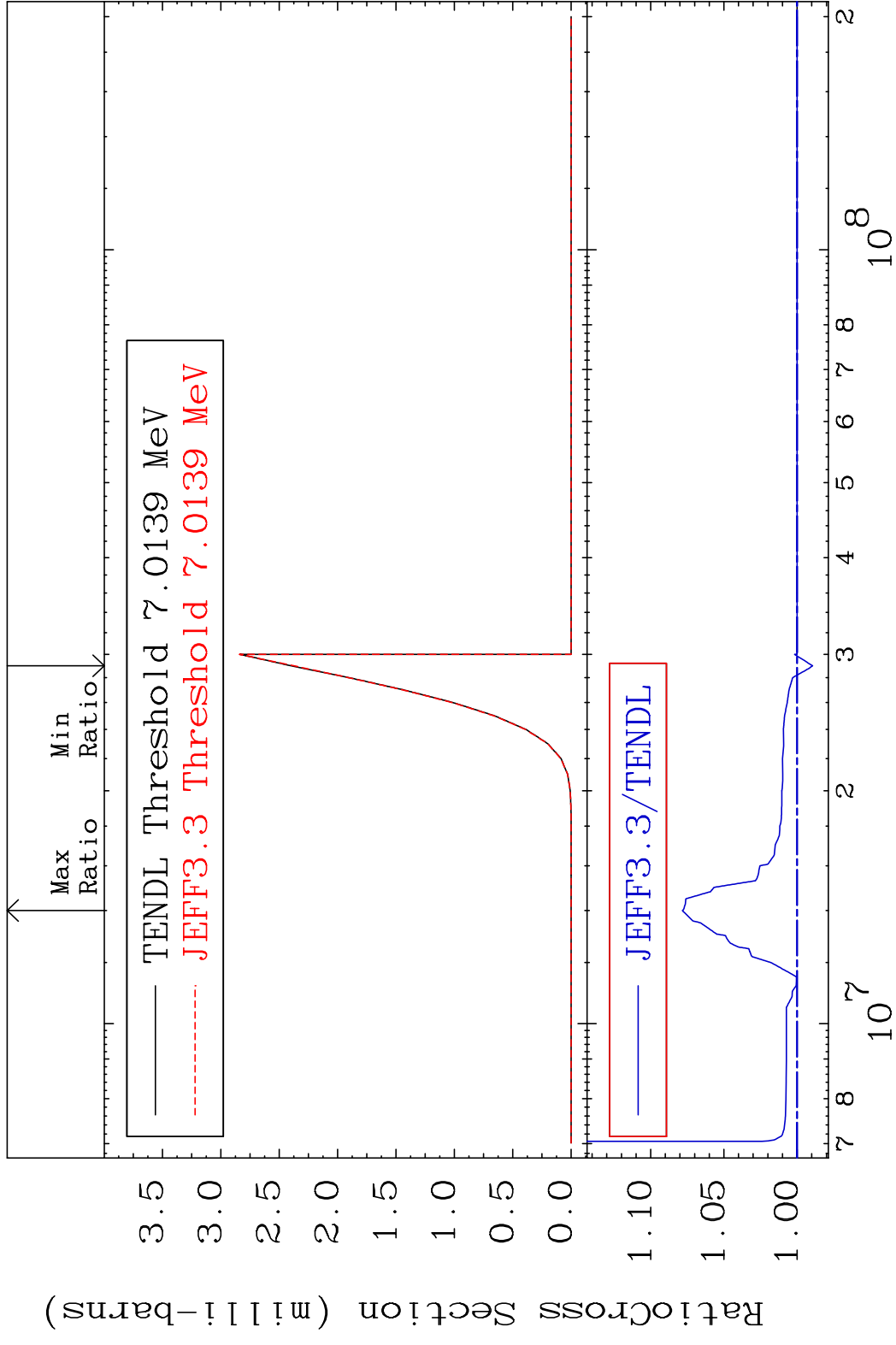
45-Rh-101

MAT 4519

(n, He-3)

45-Rh-101

Cross Section -1.054 To 7.837 %

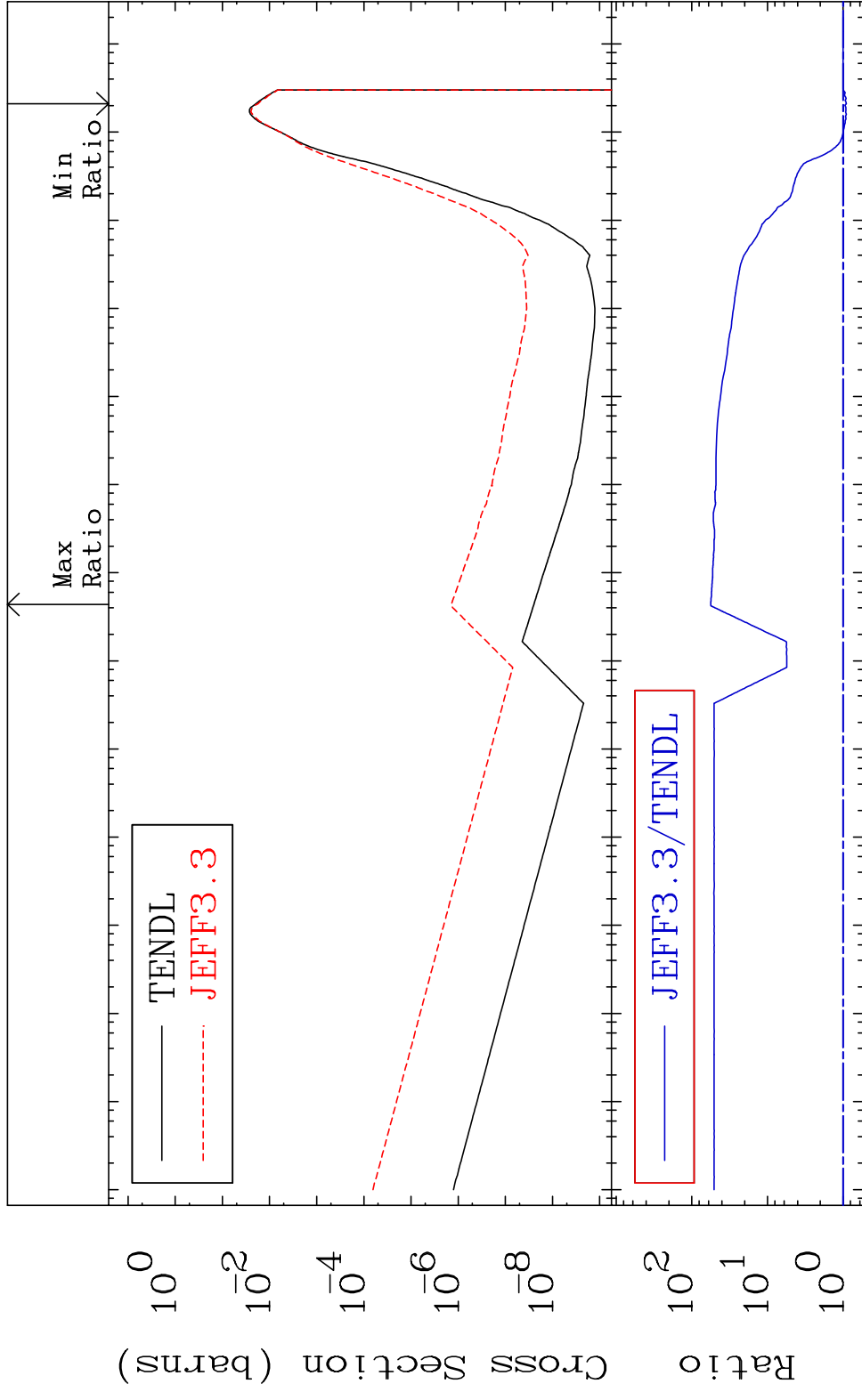


MAT 4519

45-Rh-101

(n, α)

Cross Section -9.239 To 5525. %



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

55

Incident Energy (eV)

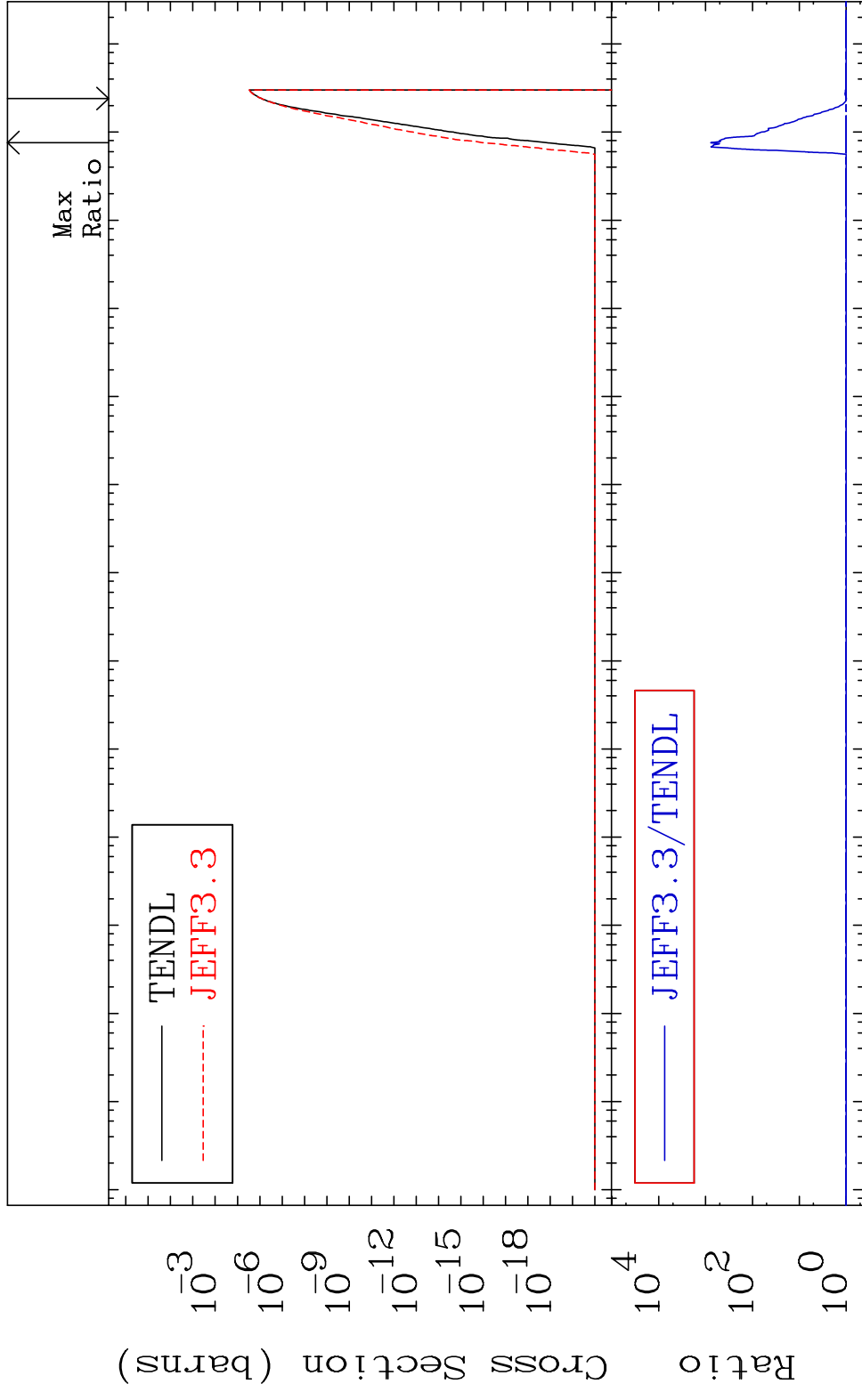
45-Rh-101

MAT 4519

(n, 2α)

45-Rh-101

Cross Section -0.879 To 9999. %

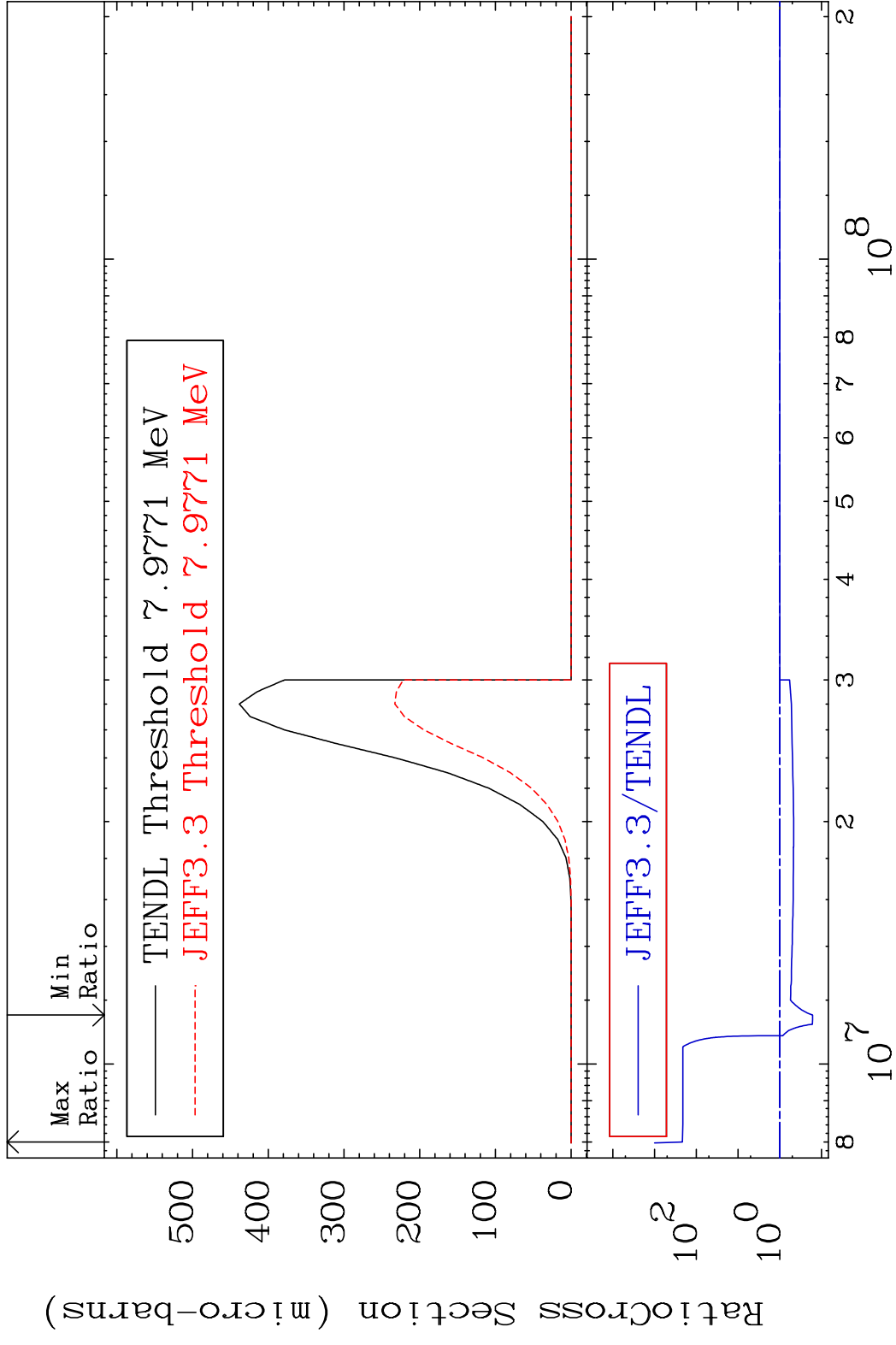


MAT 4519

(n,2p)

45-Rh-101

Cross Section -83.54 To 9999. %

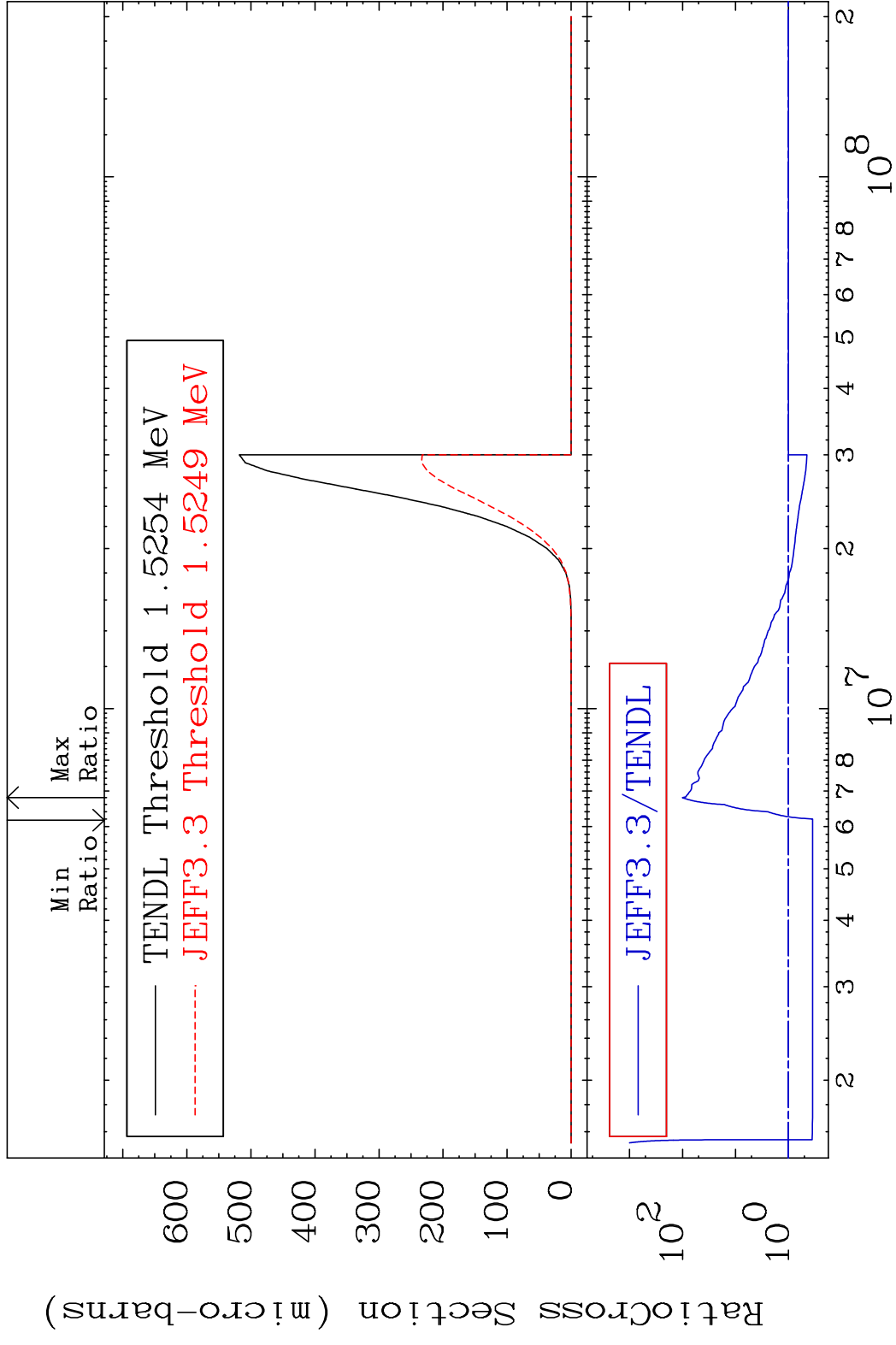


57

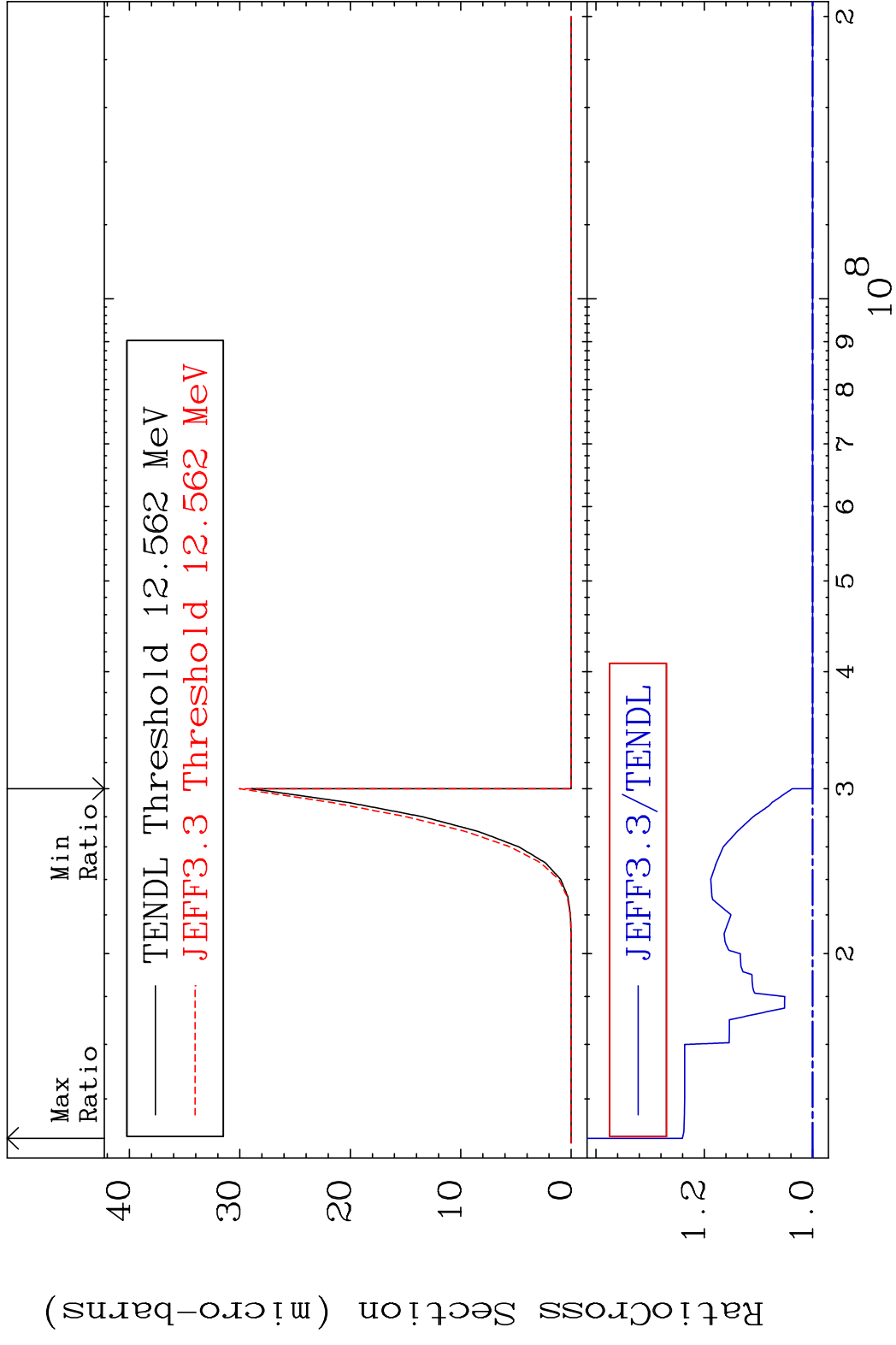
Incident Energy (eV)

45-Rh-101

MAT 4519 (n,p) α 45-Rh-101
 Cross Section -64.88 To 9985. %



MAT 4519 (n,p) d 45-Rh-101
 Cross Section 0.000 To 24.05 %

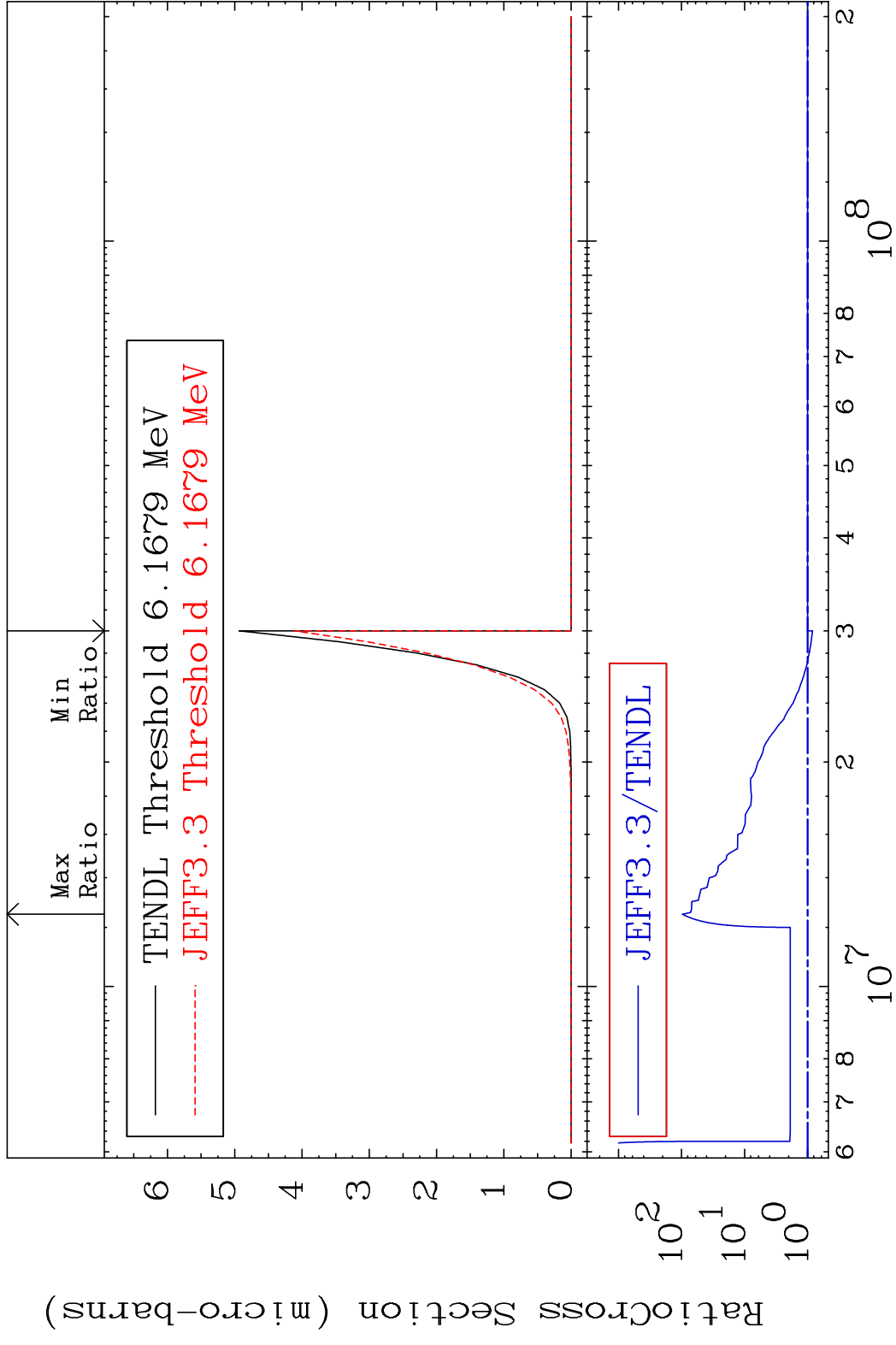


MAT 4519

(n,d) α

45-Rh-101

Cross Section -16.66 To 9614. %

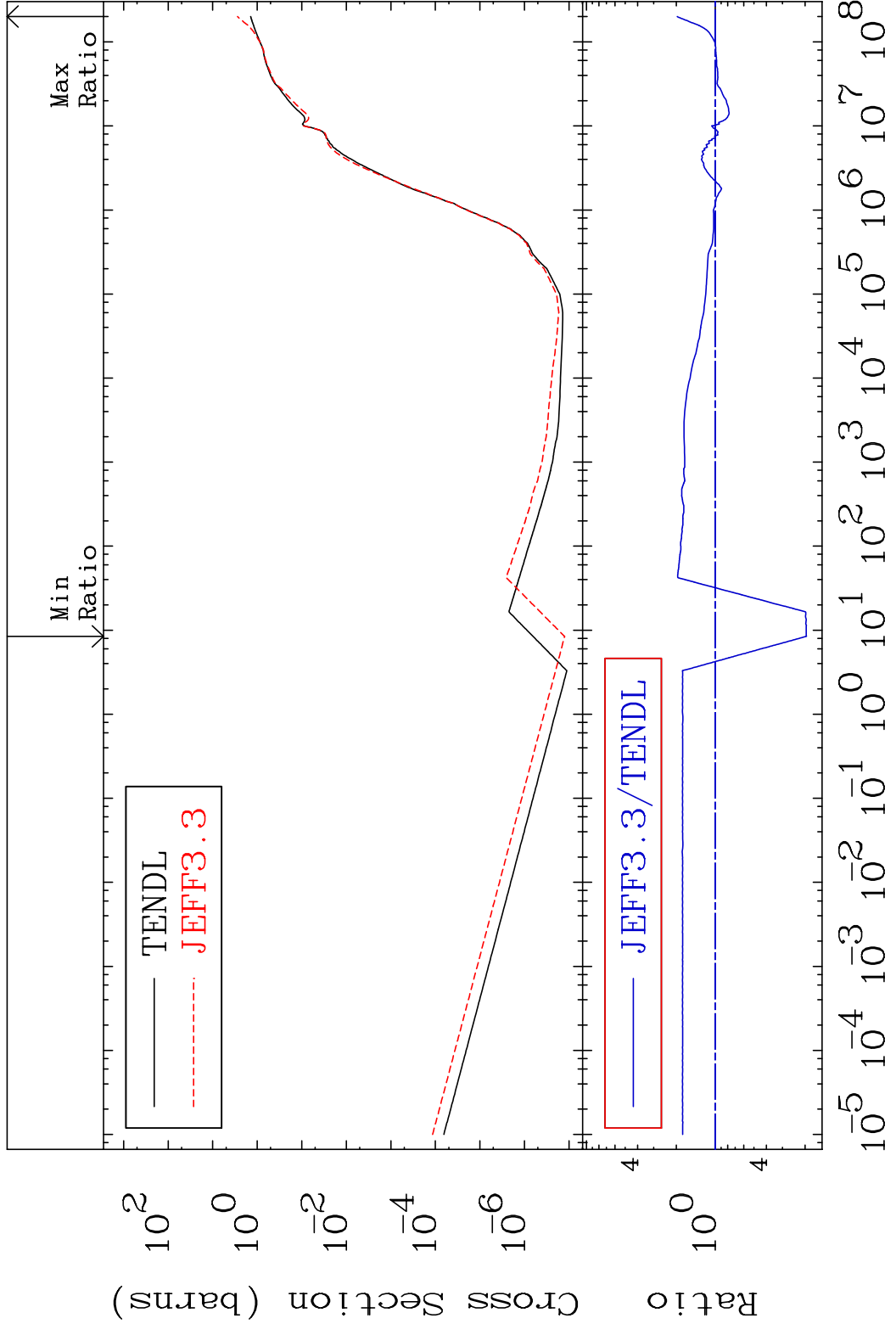


61

Incident Energy (eV)

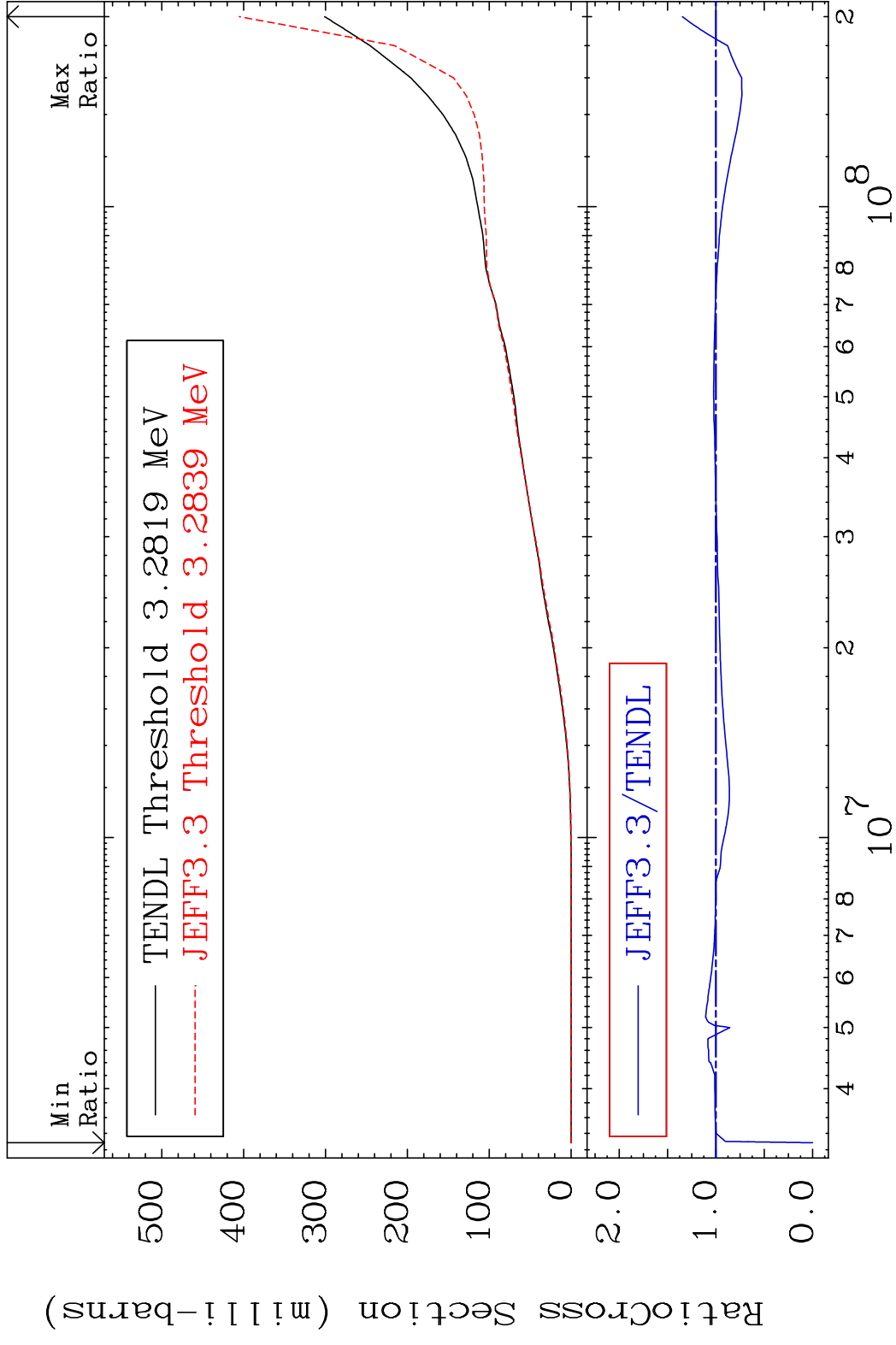
45-Rh-101

MAT 4519 Hydrogen Production 45-Rh-101
 Cross Section -80.43 To 97.29 %

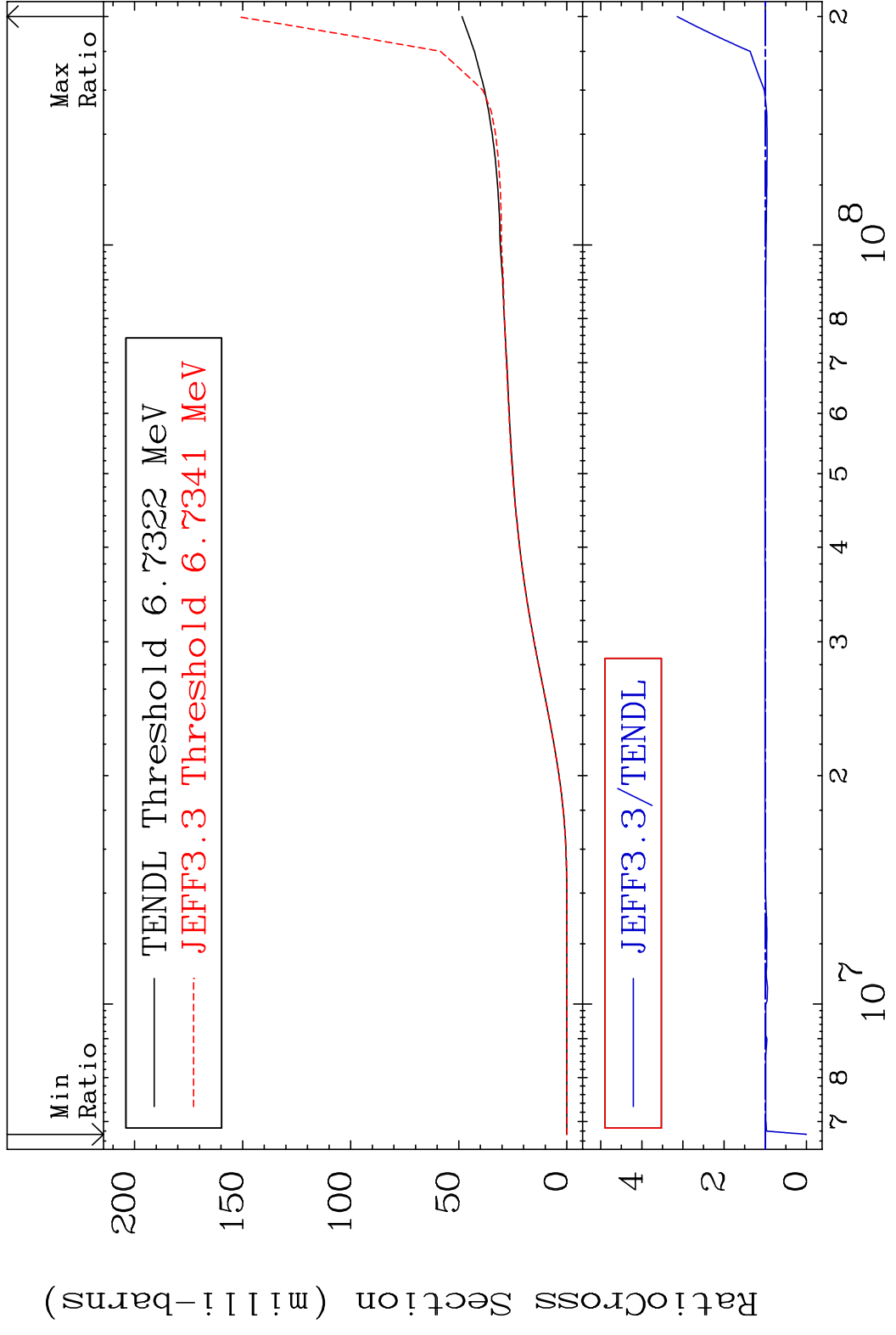


62 Incident Energy (eV) 45-Rh-101

MAT 4519 Deuterium Production 45-Rh-101
 Cross Section -100.0 To 34.64 %



MAT 4519 Tritium Production 45-Rh-101
 Cross Section -100.0 To 214.1 %

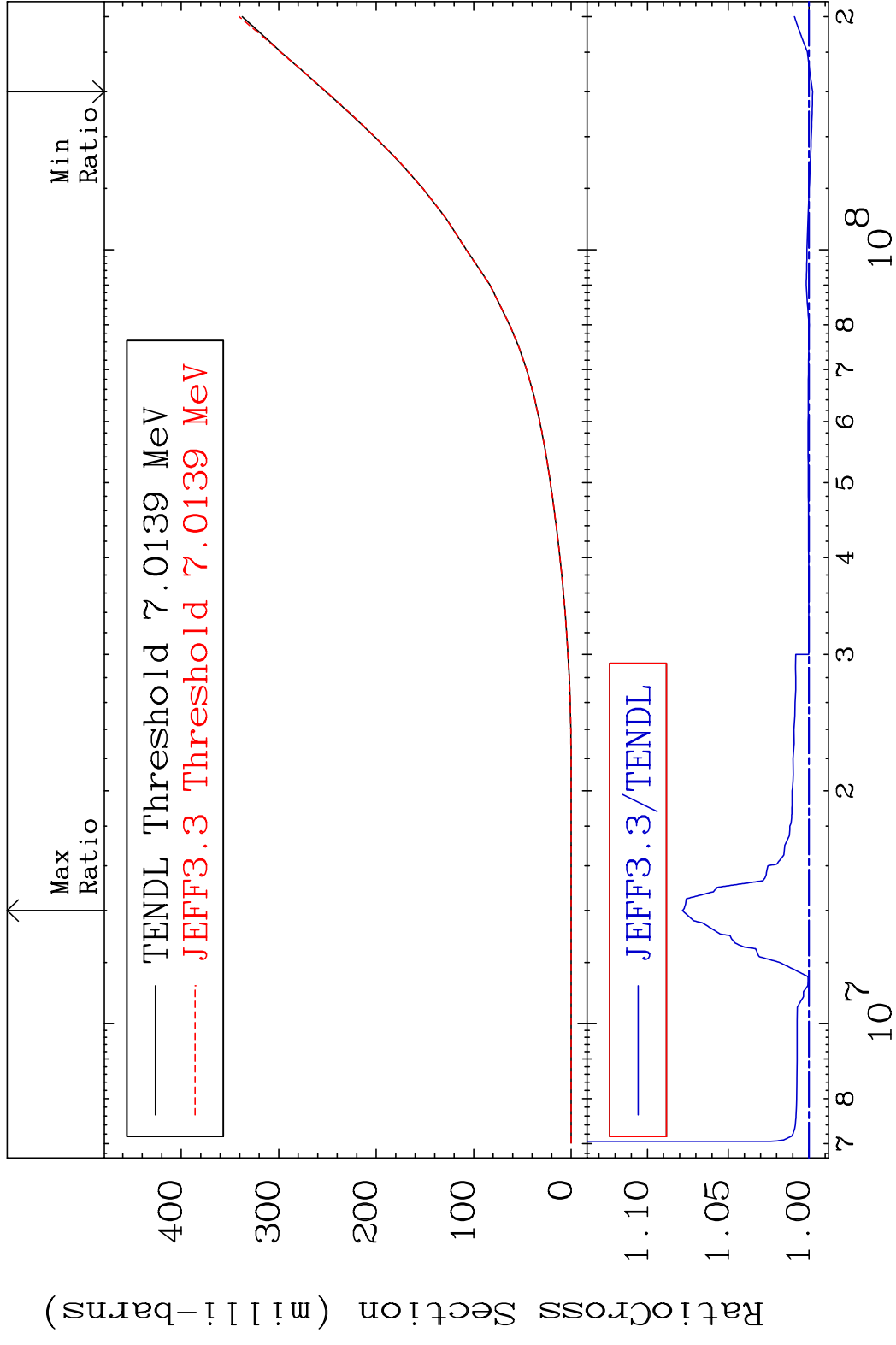


MAT 4519

He-3 Production

45-Rh-101

Cross Section -0.222 To 7.837 %

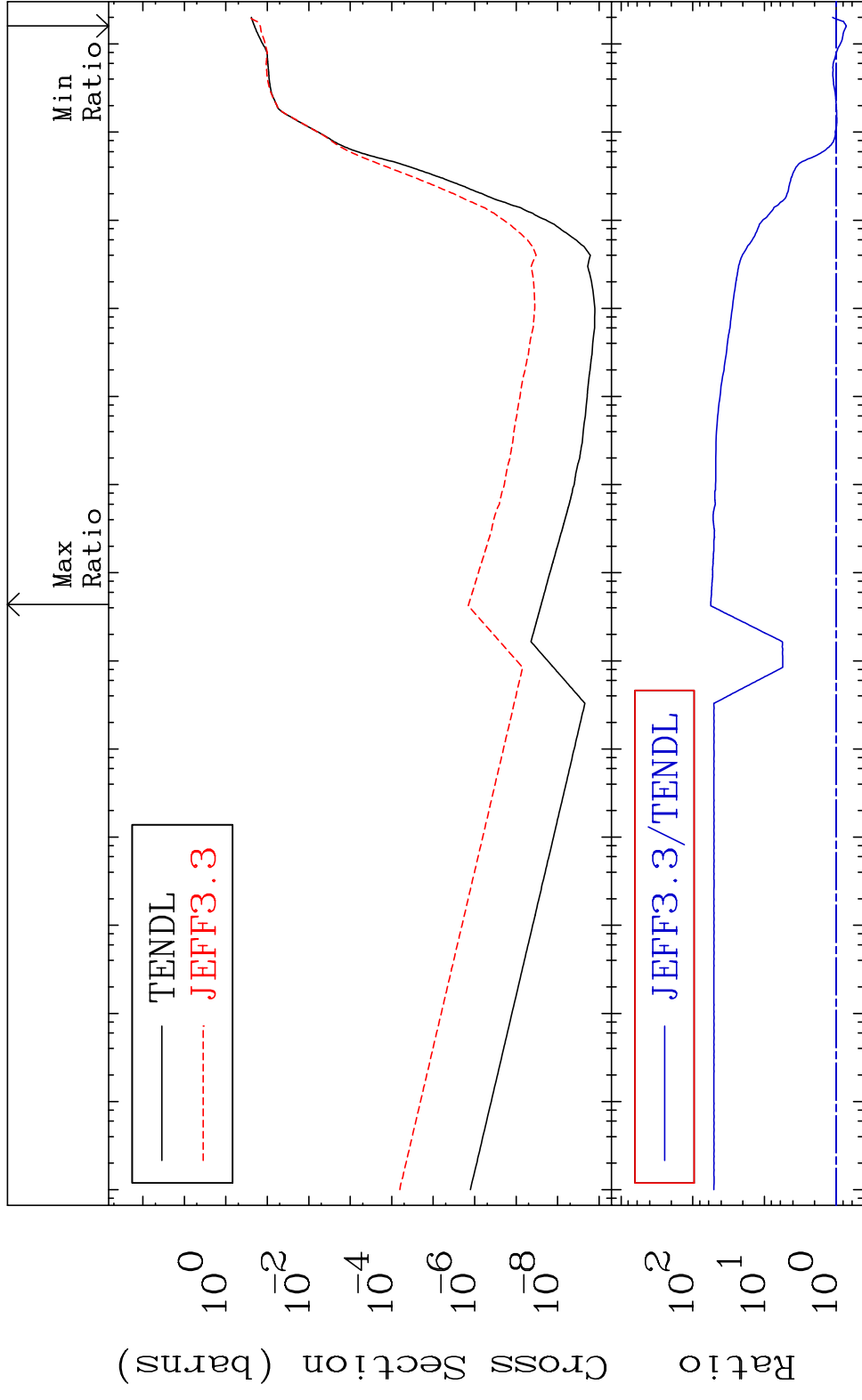


65

Incident Energy (eV)

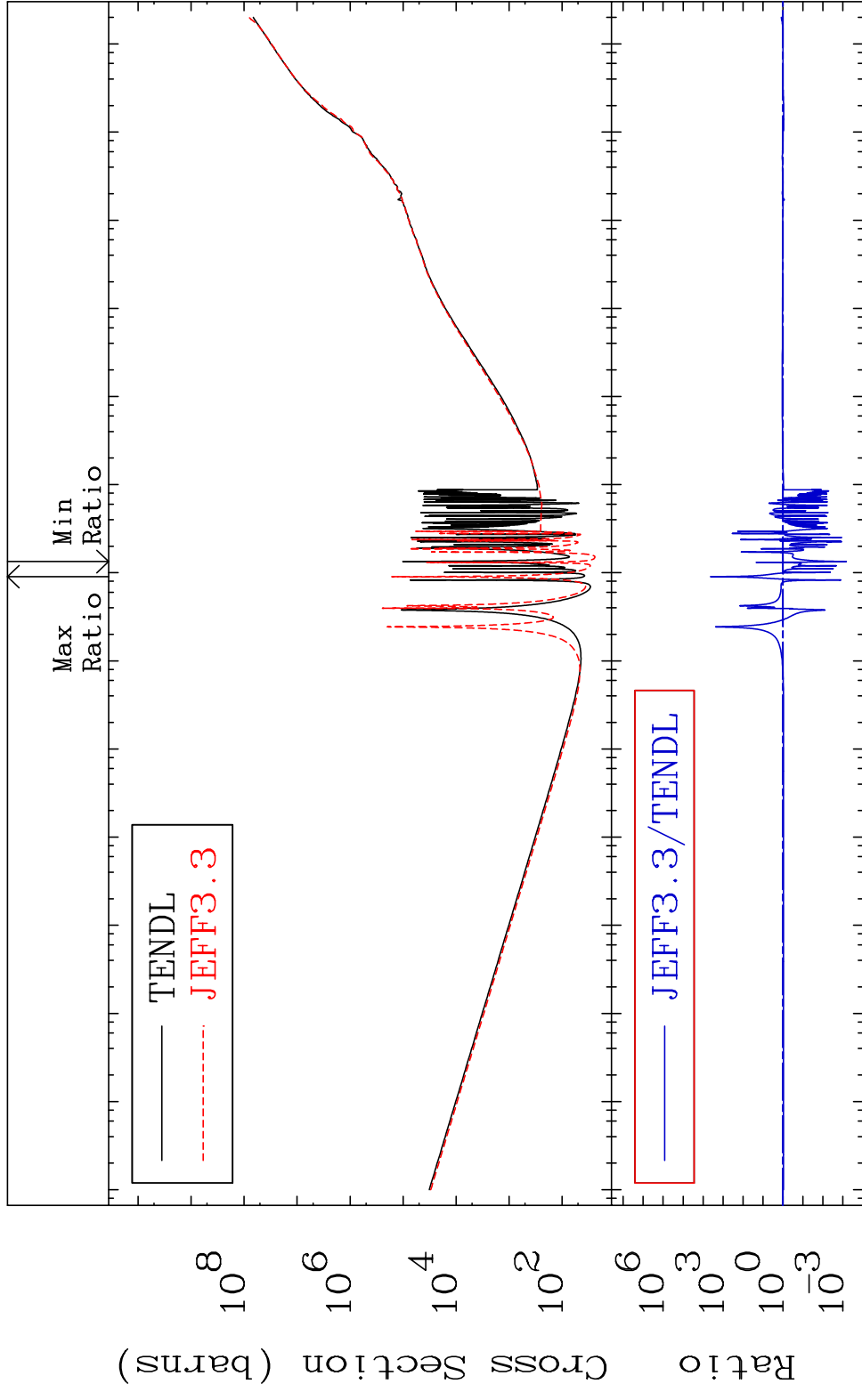
45-Rh-101

MAT 4519 He-4 Production 45-Rh-101
 Cross Section -28.03 To 5525. %



66 Incident Energy (eV) 45-Rh-101

MAT 4519 Kerma total (eV-barns) 45-Rh-101
 Cross Section -99.93 To 9999. %

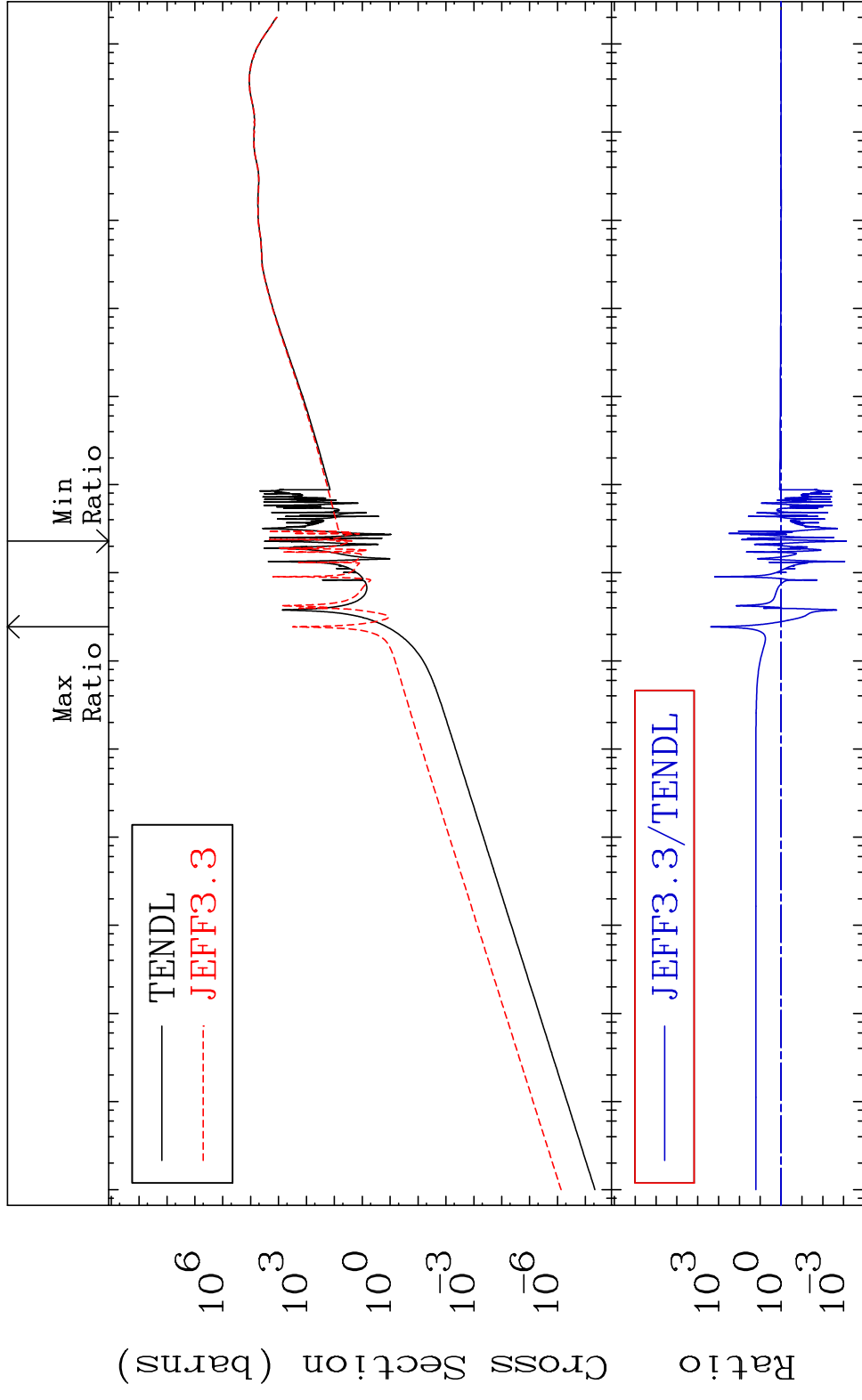


67 Incident Energy (eV) 45-Rh-101

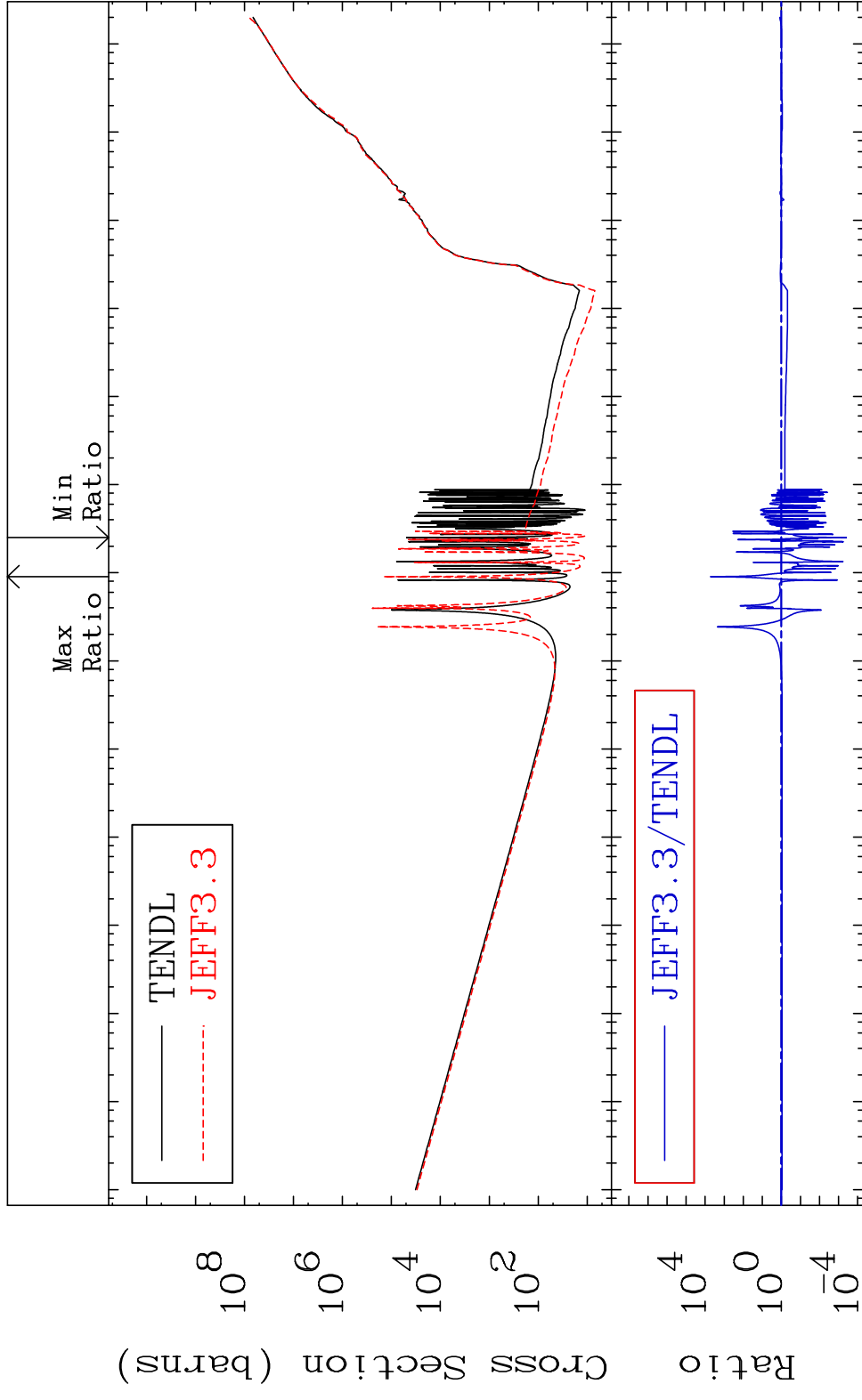
MAT 4519

Kerma elastic Cross Section -99.93 To 9999. %

45-Rh-101

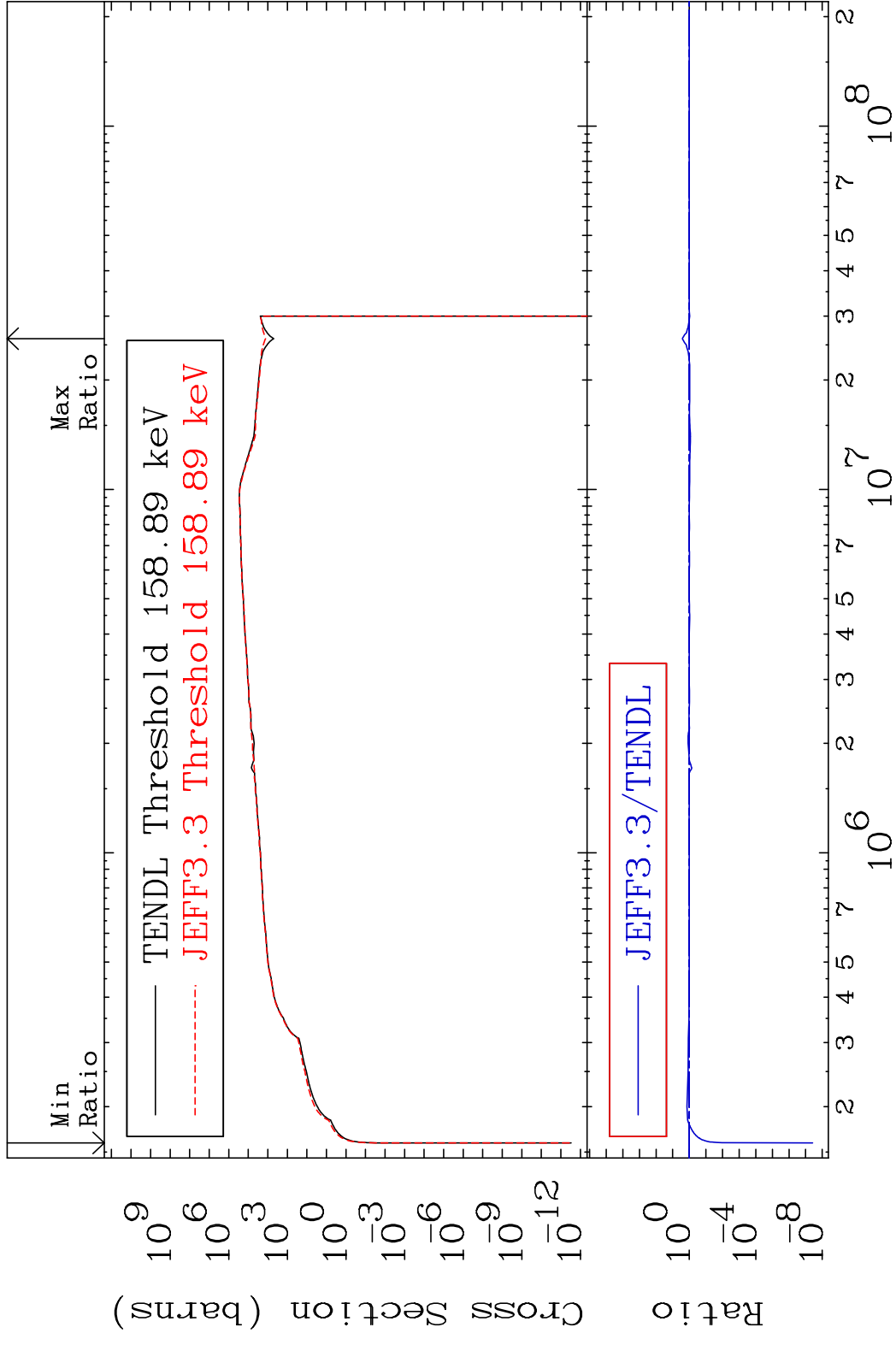


MAT 4519 Kerma non-elastic (all but mt2) 45-Rh-101
 Cross Section -99.96 To 9999. %

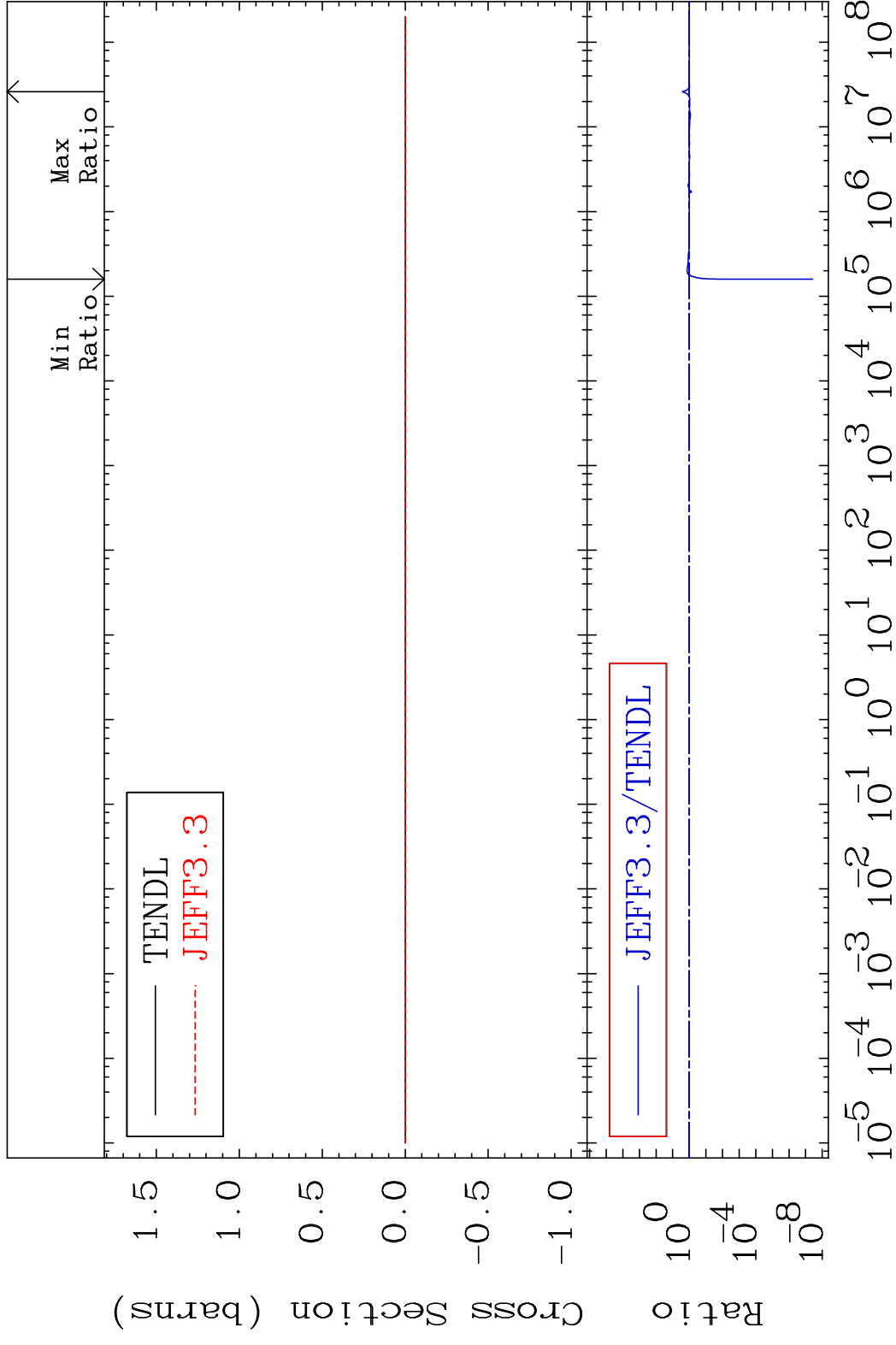


69 Incident Energy (eV) 45-Rh-101

MAT 4519 Kerma inelastic (mt51-91) 45-Rh-101
 Cross Section -100.0 To 162.2 %

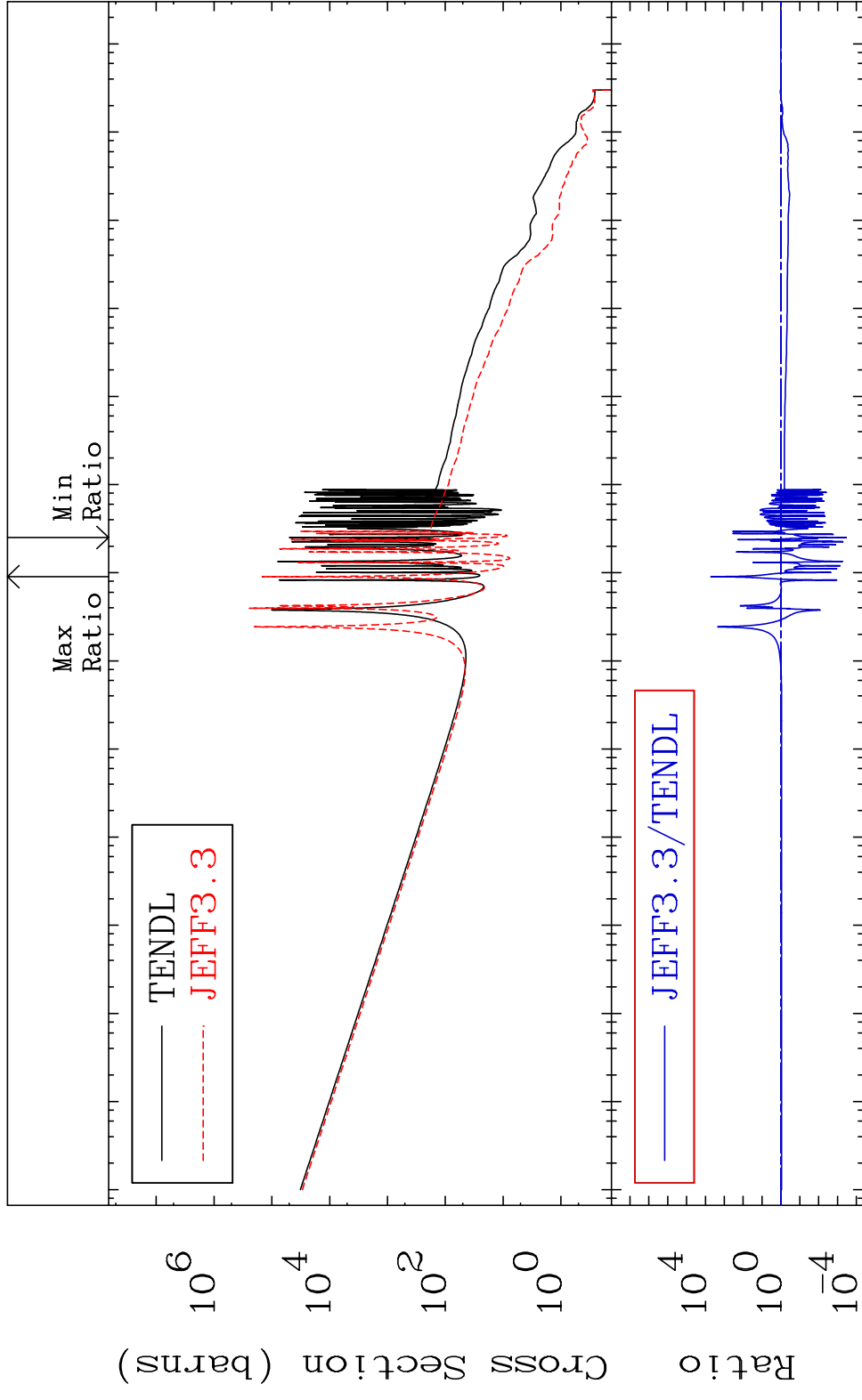


MAT 4519 Kerma fission (mt18 or mt19-20-21-38) 45-Rh-101
 Cross Section -100.0 To 162.2 %



MAT 4519

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

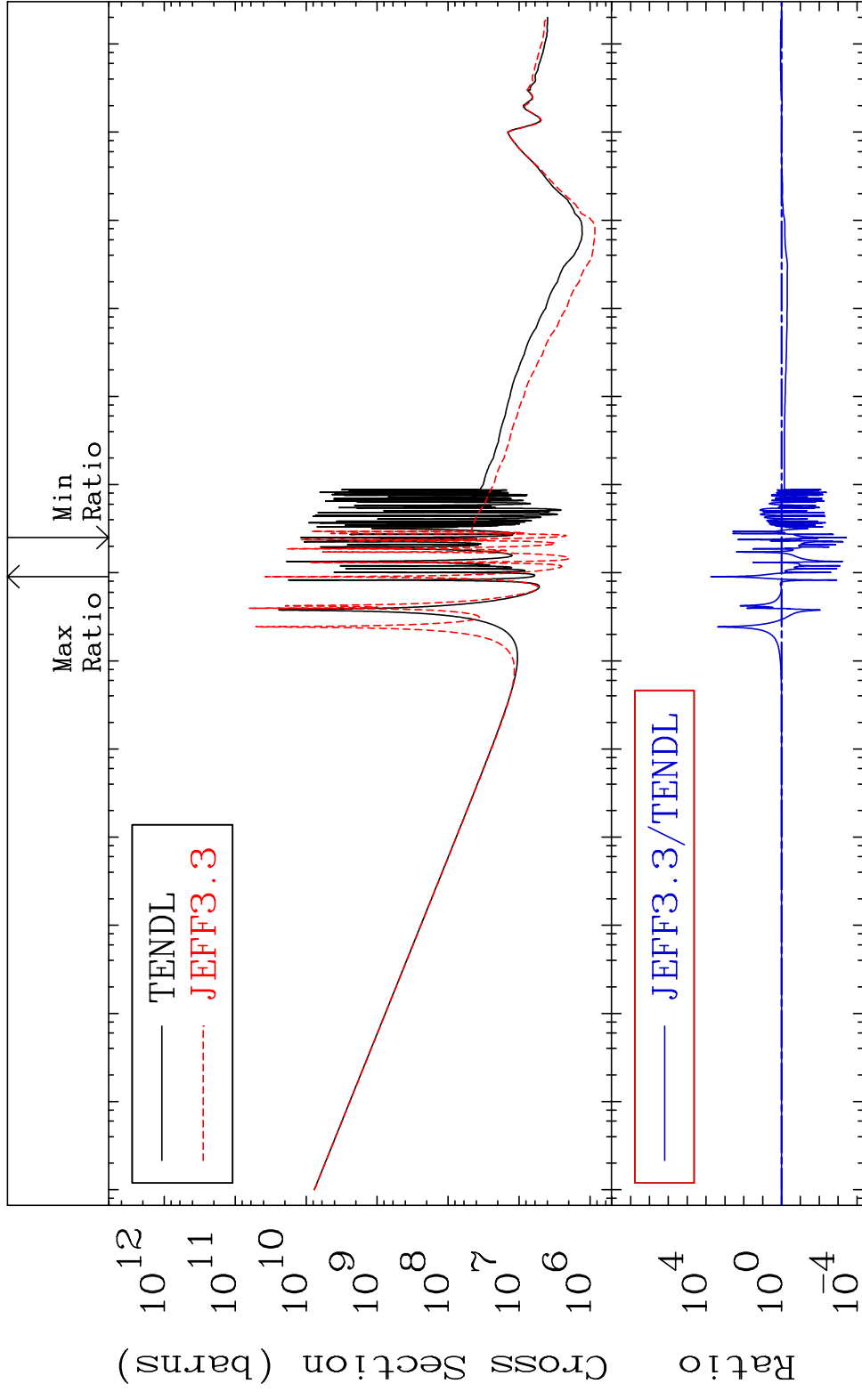


72

Incident Energy (eV) 45-Rh-101

MAT 4519

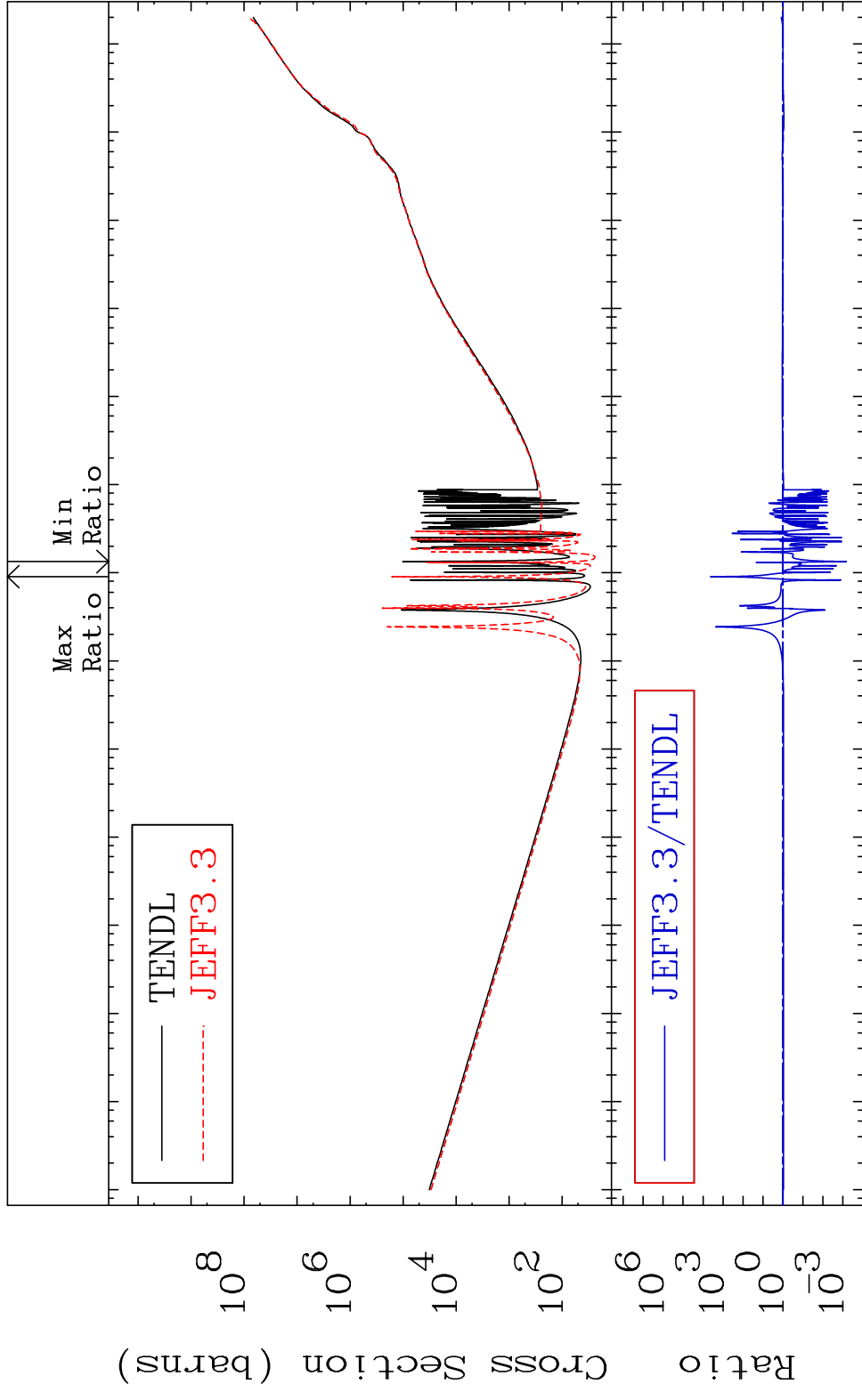
Total photon (eV-barns) 45-Rh-101
Cross Section -99.96 To 9999. %



73

Incident Energy (eV) 45-Rh-101

MAT 4519 Total kinematic kerma (high limit) 45-Rh-101
 Cross Section -99.93 To 9999. %

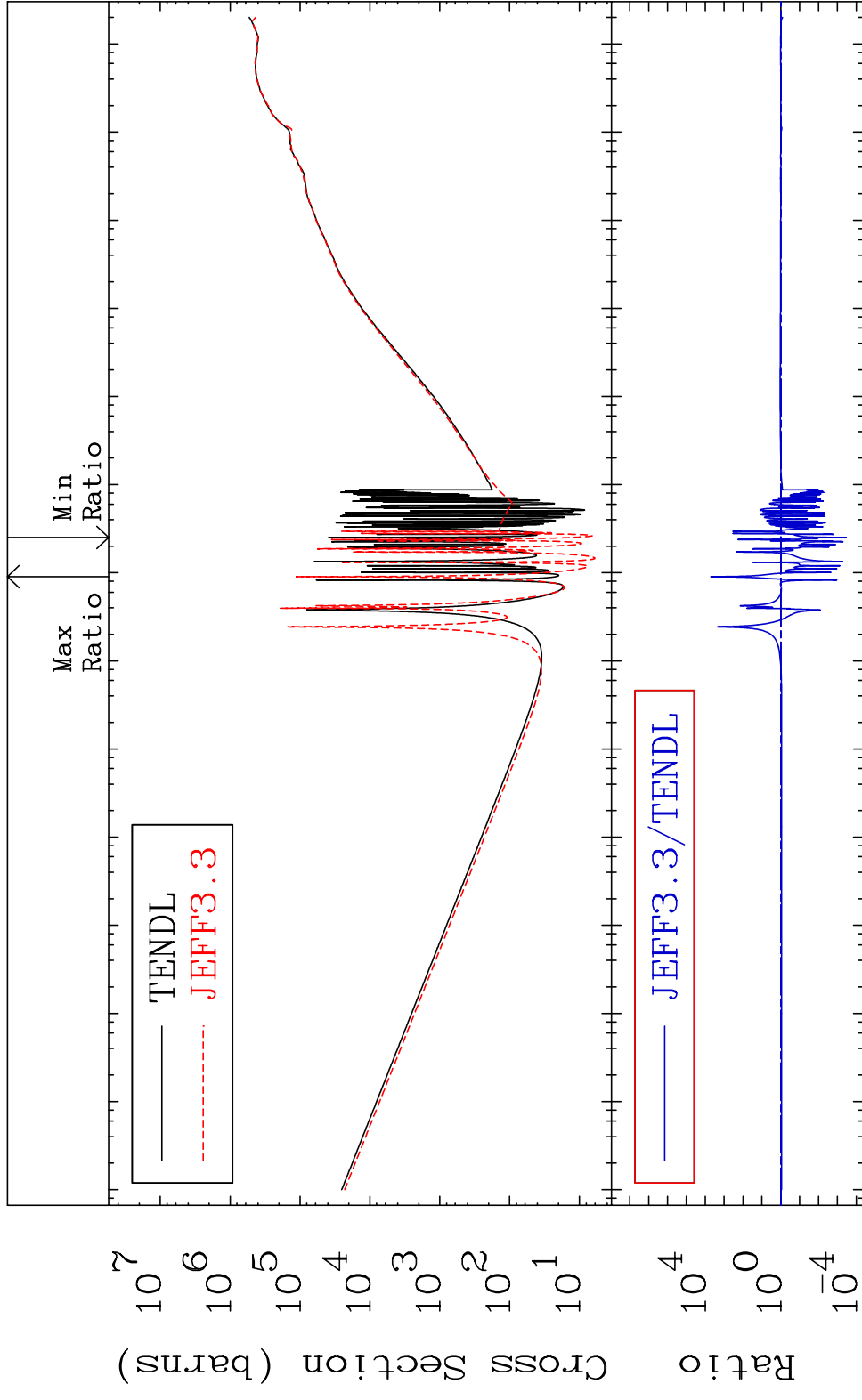


MAT 4519

Dpa total (eV-barns)

45-Rh-101

Cross Section -99.97 To 9999. %



Incident Energy (eV) 45-Rh-101

75

45-Rh-101

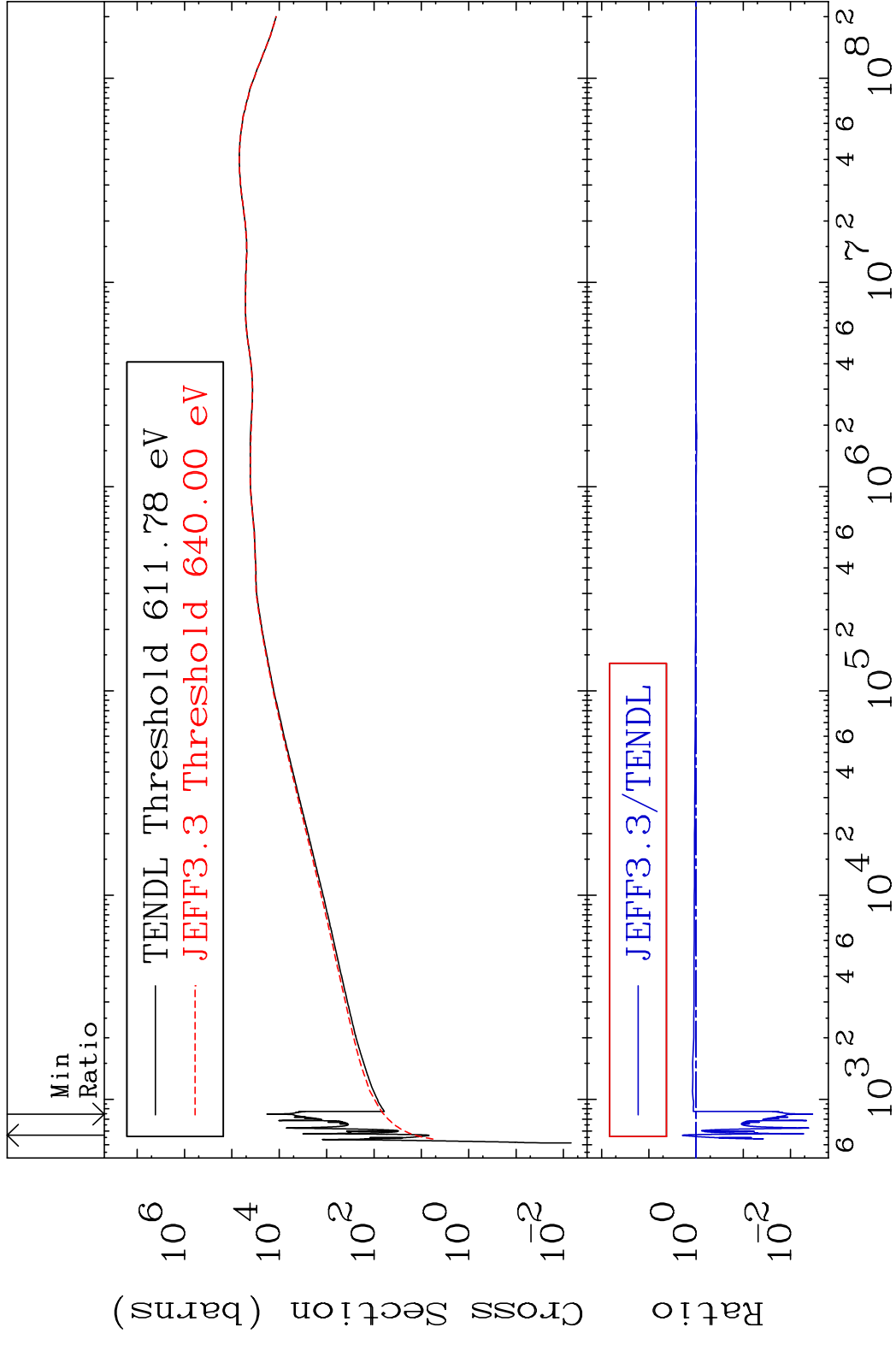
MAT 4519

Dpa elastic (mt2)

45-Rh-101

Cross Section

-99.66 To 95.25 %

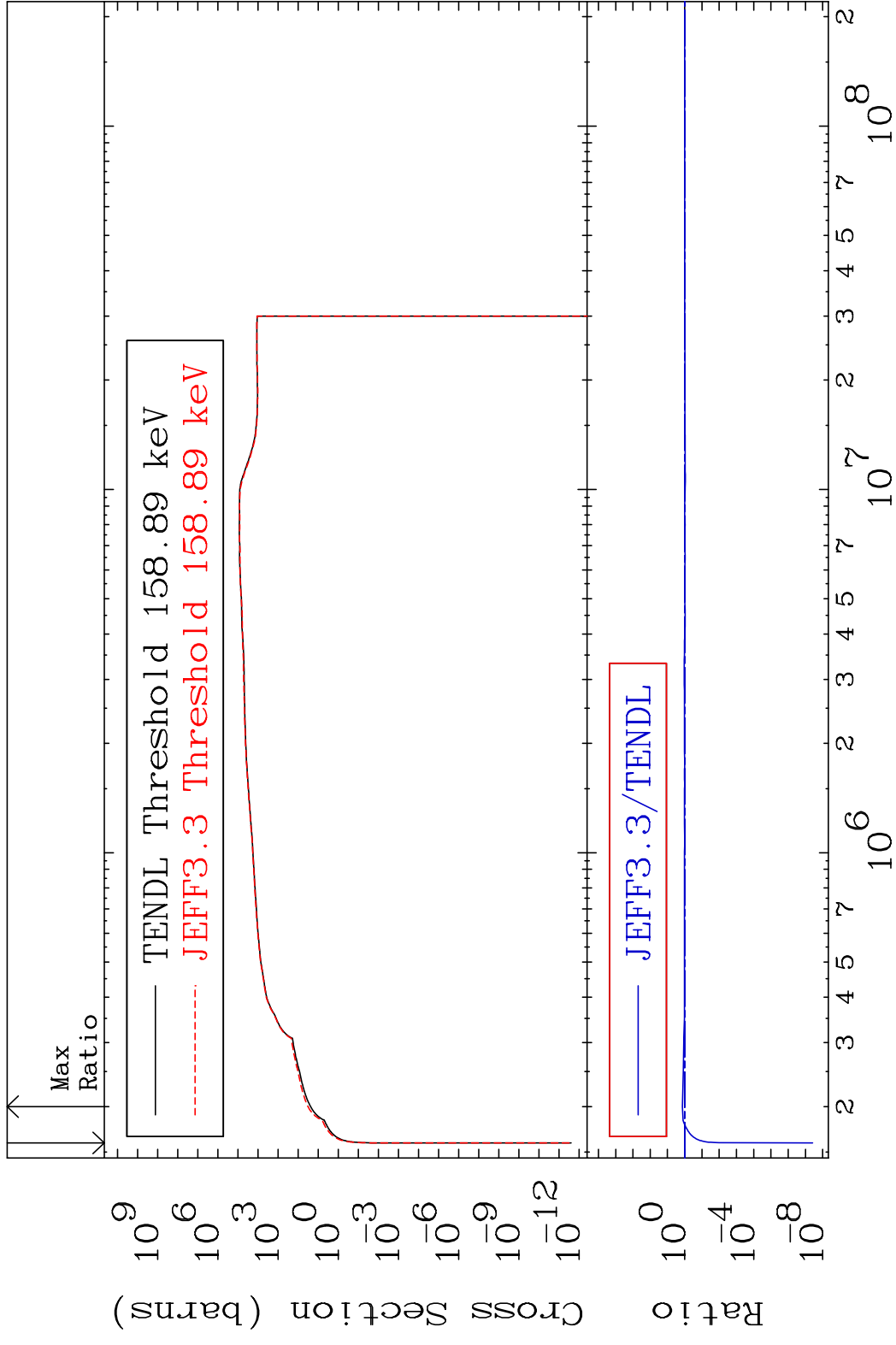


76

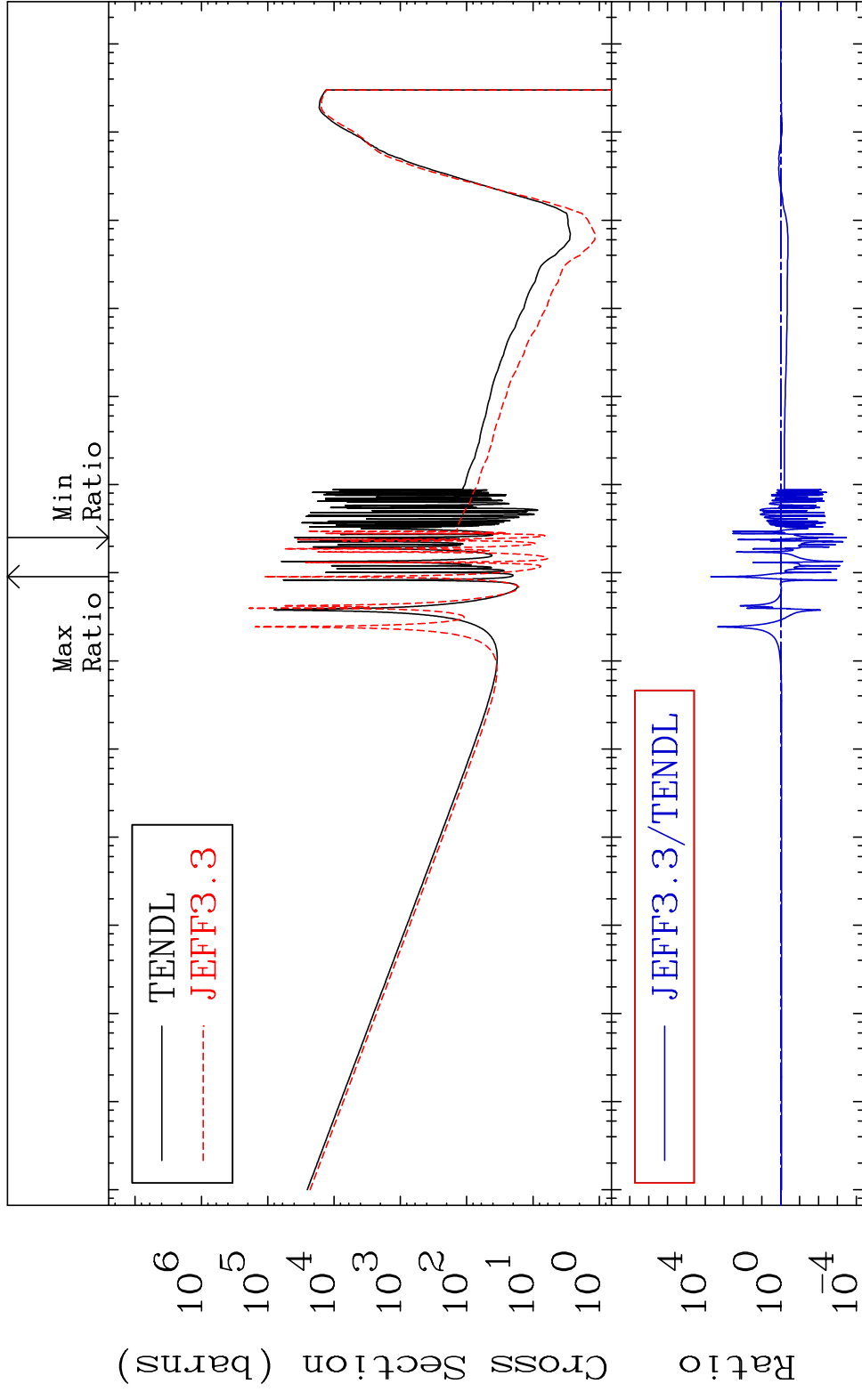
Incident Energy (eV)

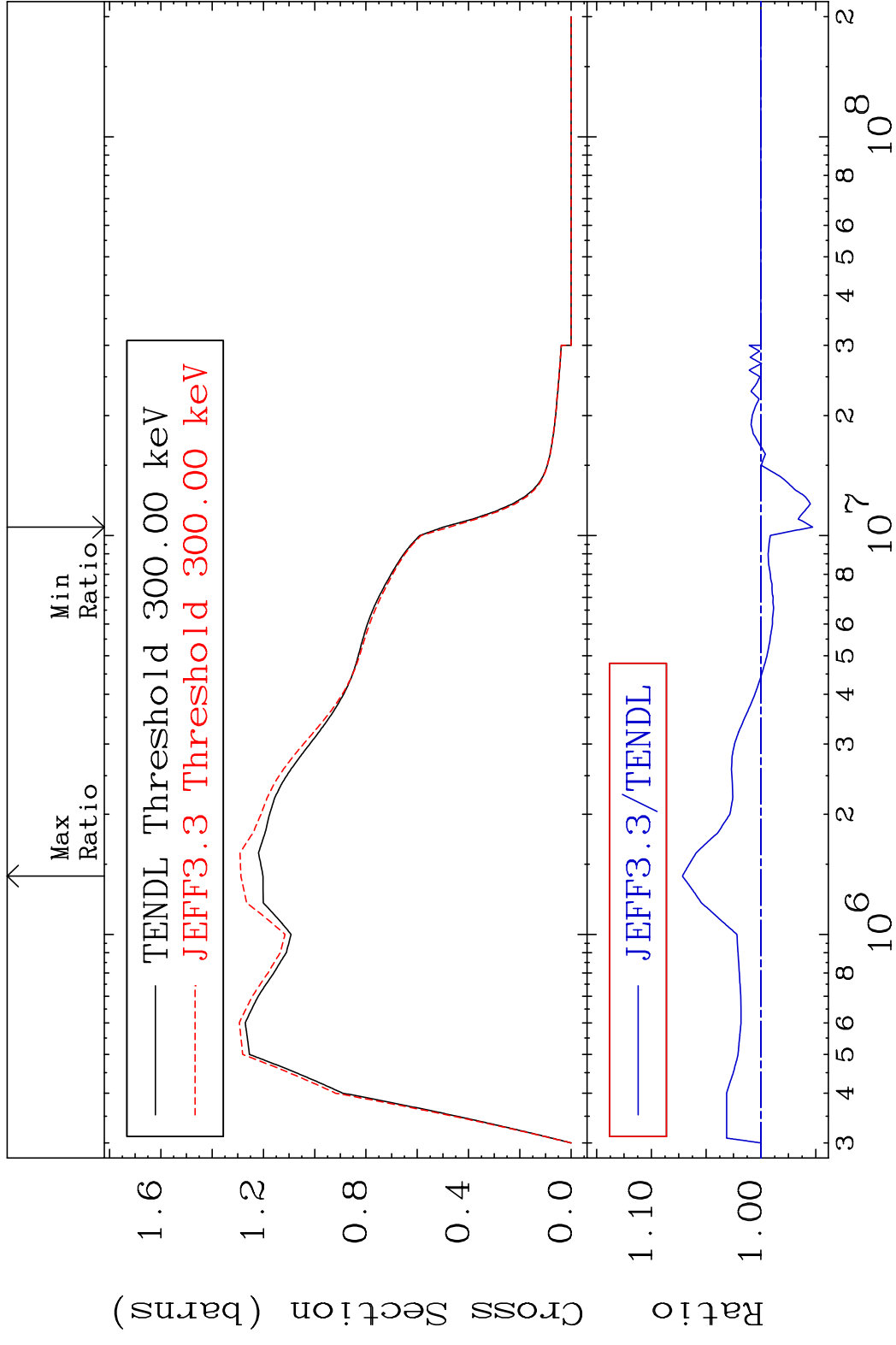
45-Rh-101

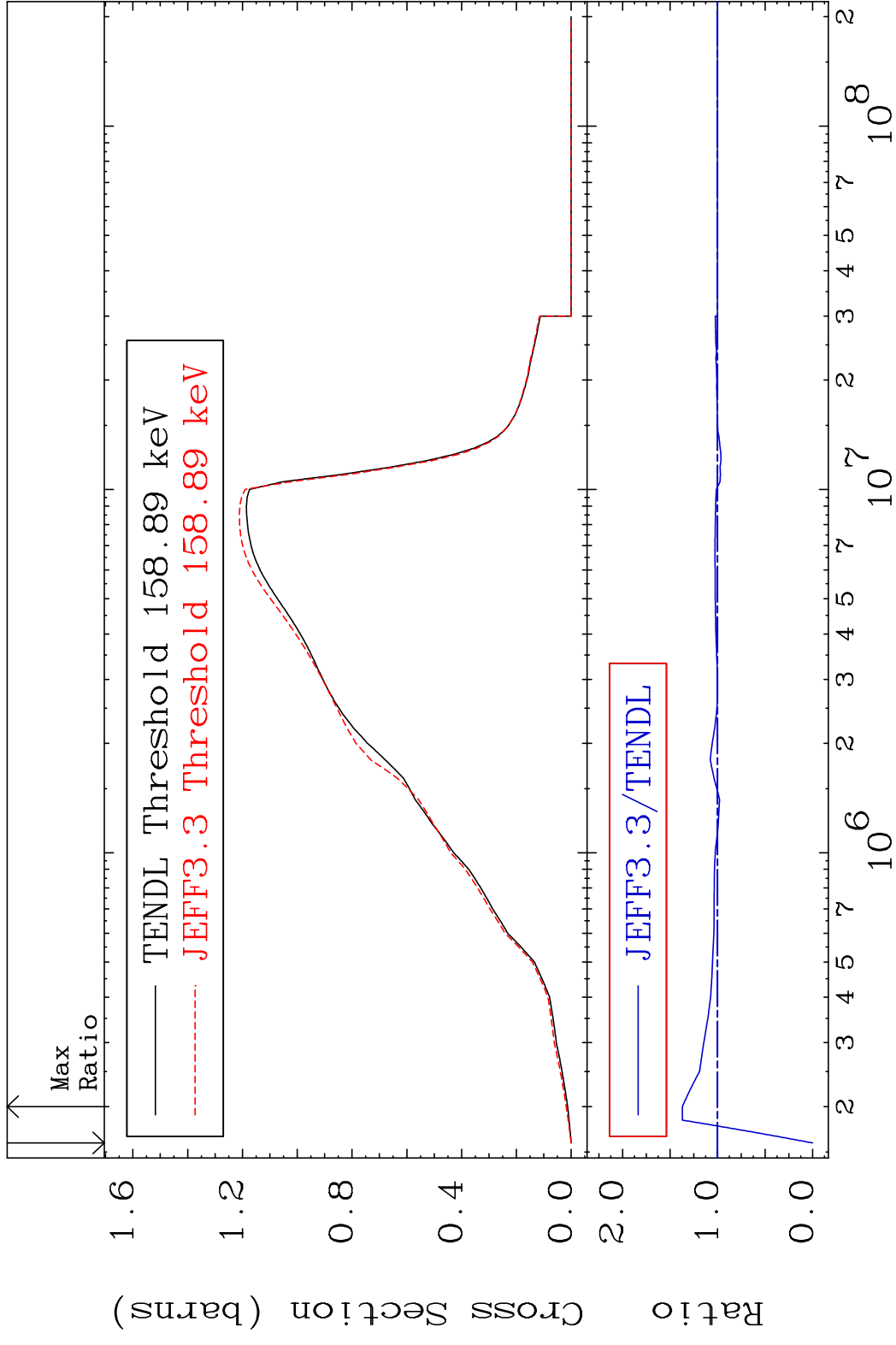
MAT 4519 Dpa inelastic (mt51-91) 45-Rh-101
 Cross Section -100.0 To 36.70 %



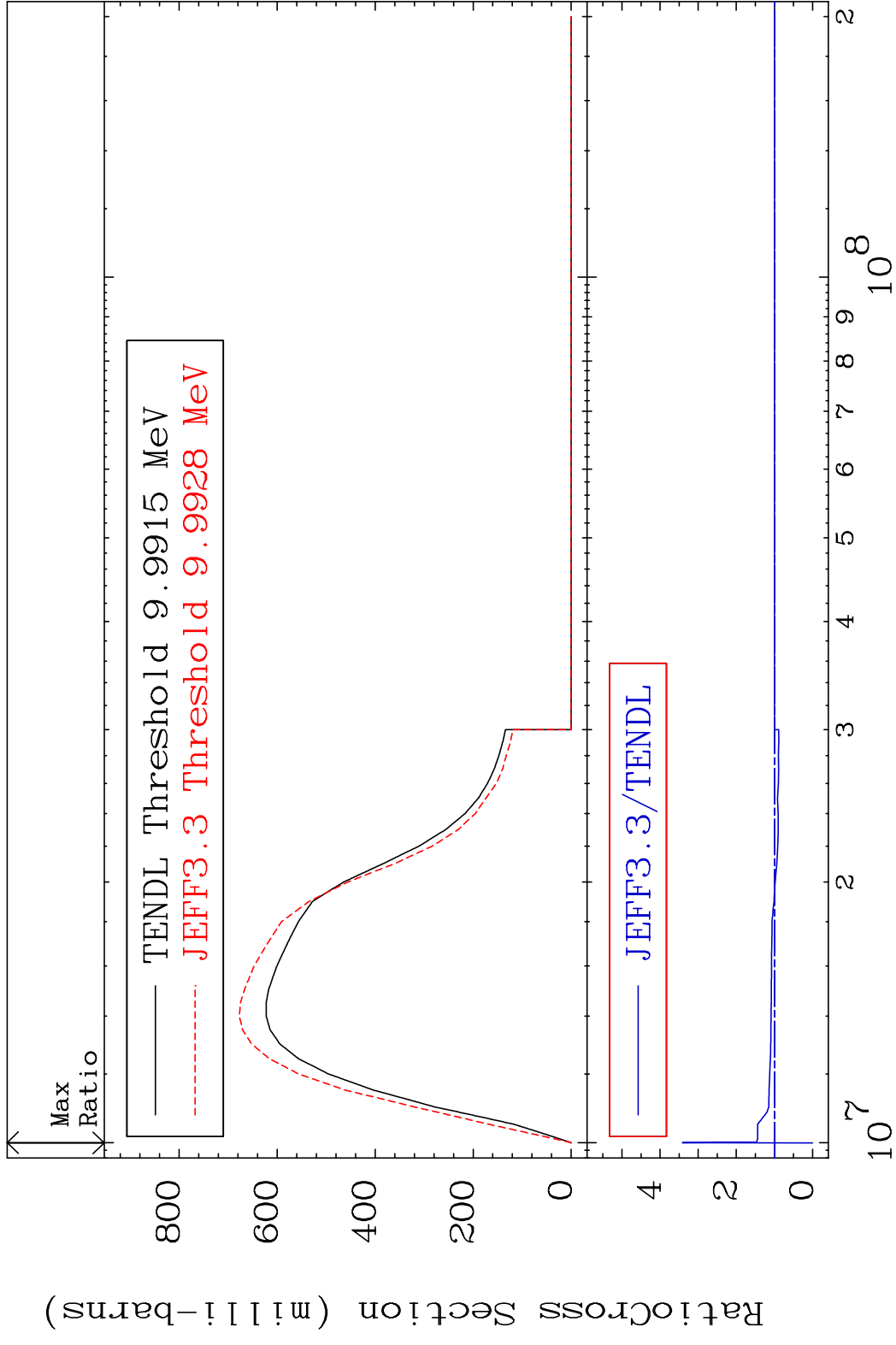
MAT 4519 Dpa disappearance (mt102 -120) 45-Rh-101
 Cross Section -99.97 To 9999. %





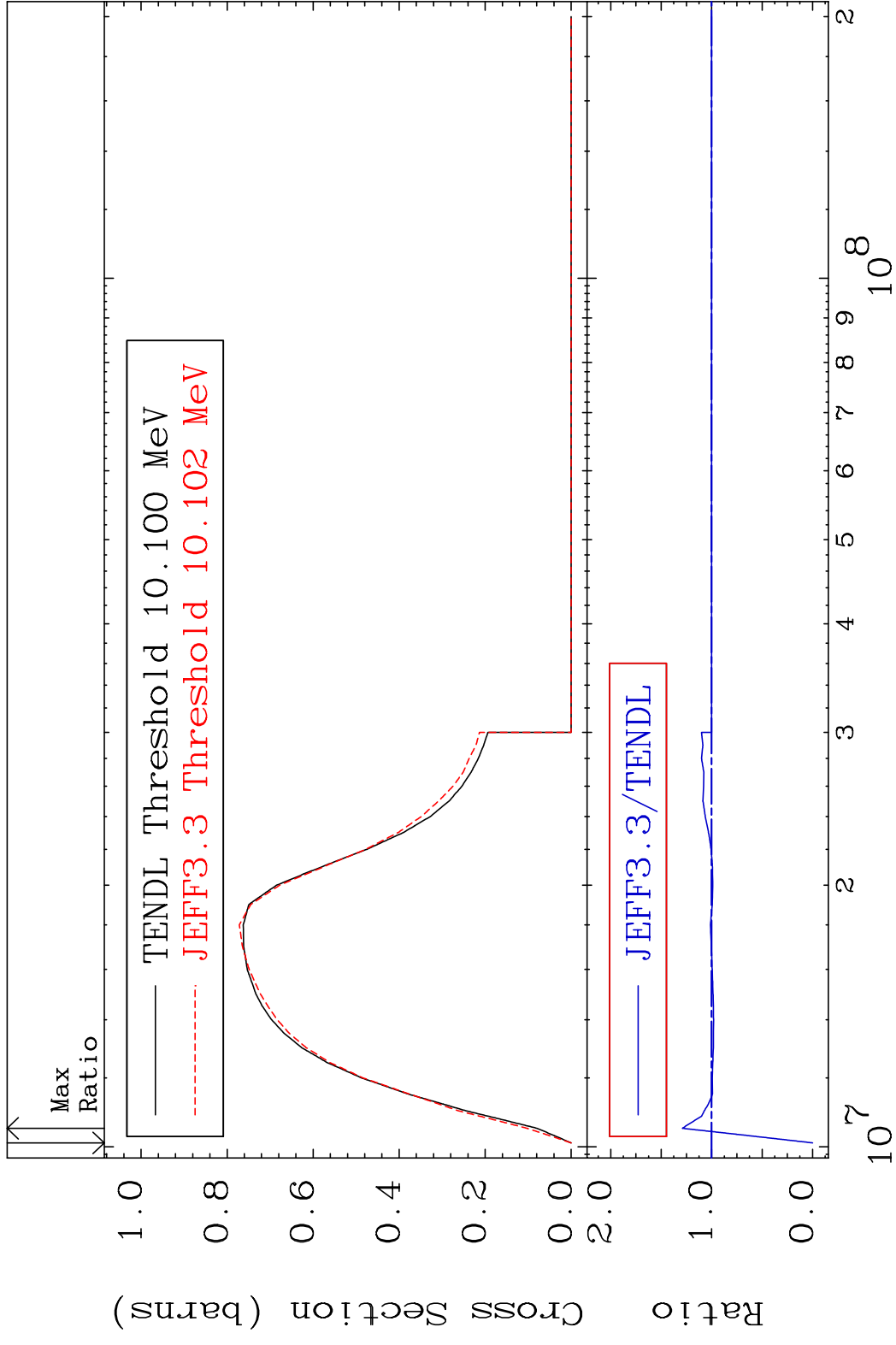


MAT 4519 (n,2n):45-Rh-100g 45-Rh-101
 Radionuclide Production Cross Section 180.01 dth 241.6 %

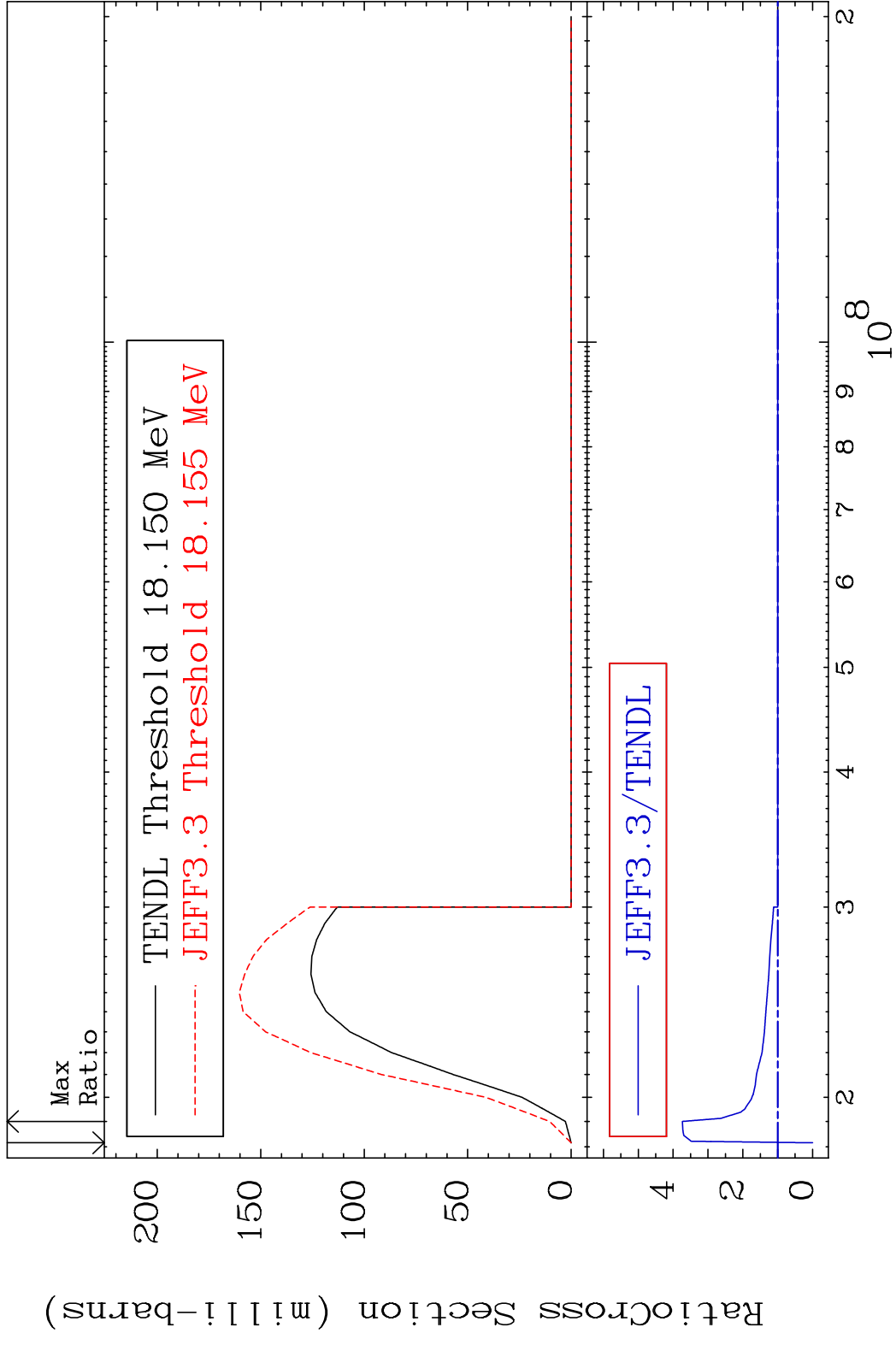


81 Incident Energy (eV) 45-Rh-101

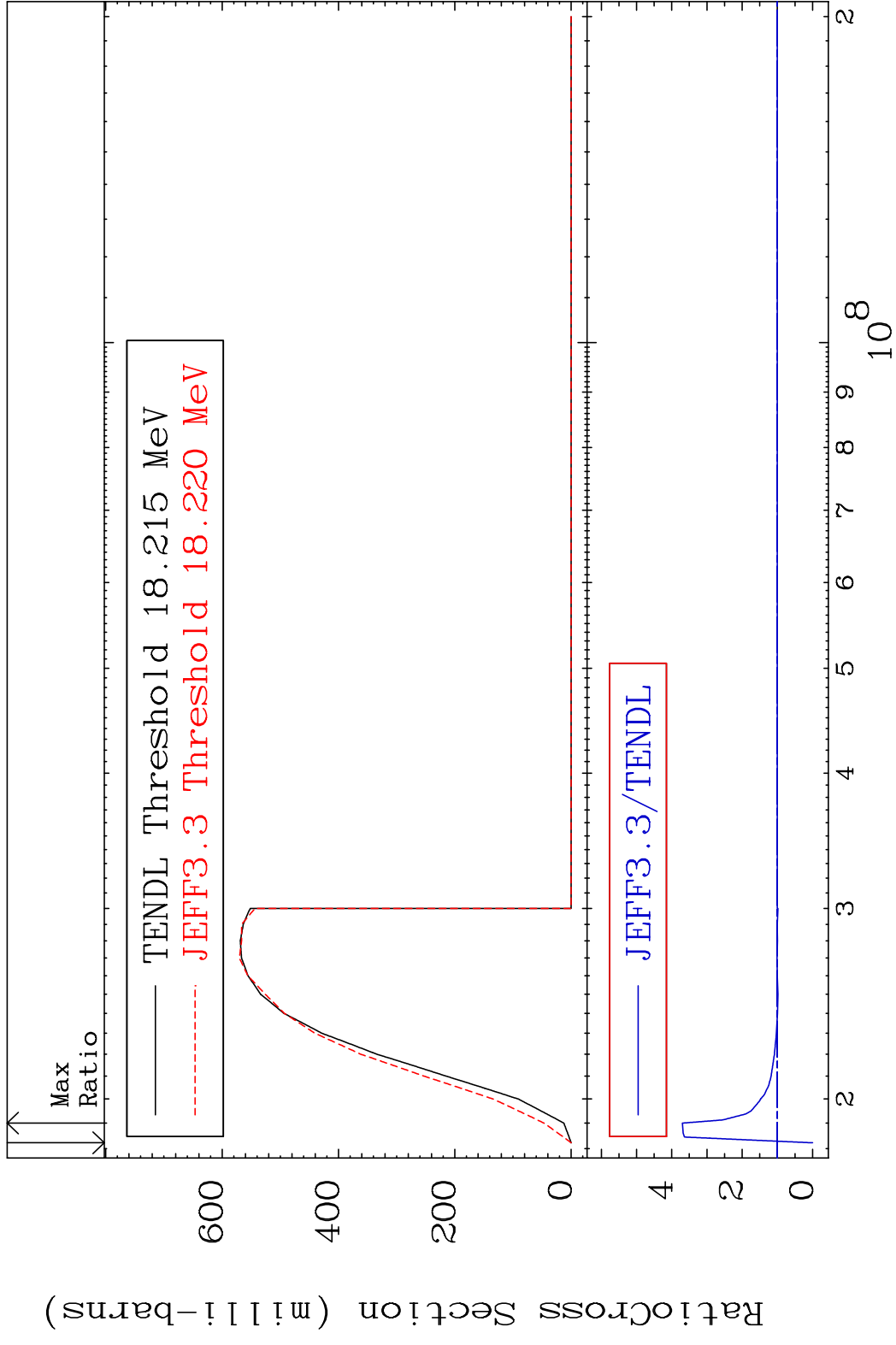
MAT 4519 (n,2n):45-Rh-100m4 45-Rh-101
 Radionuclide Production Cross Section 180.01 dth 29.03 %

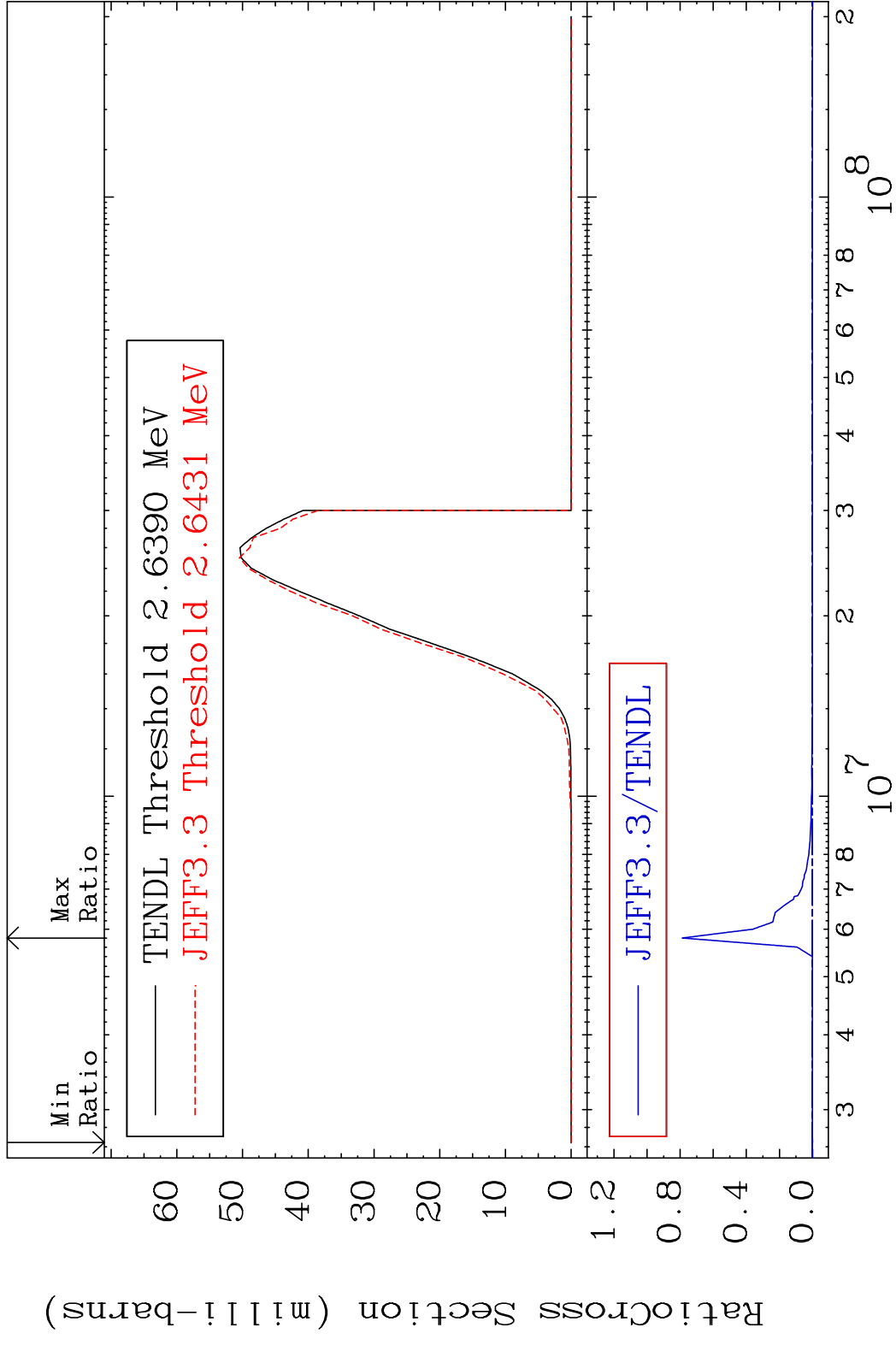


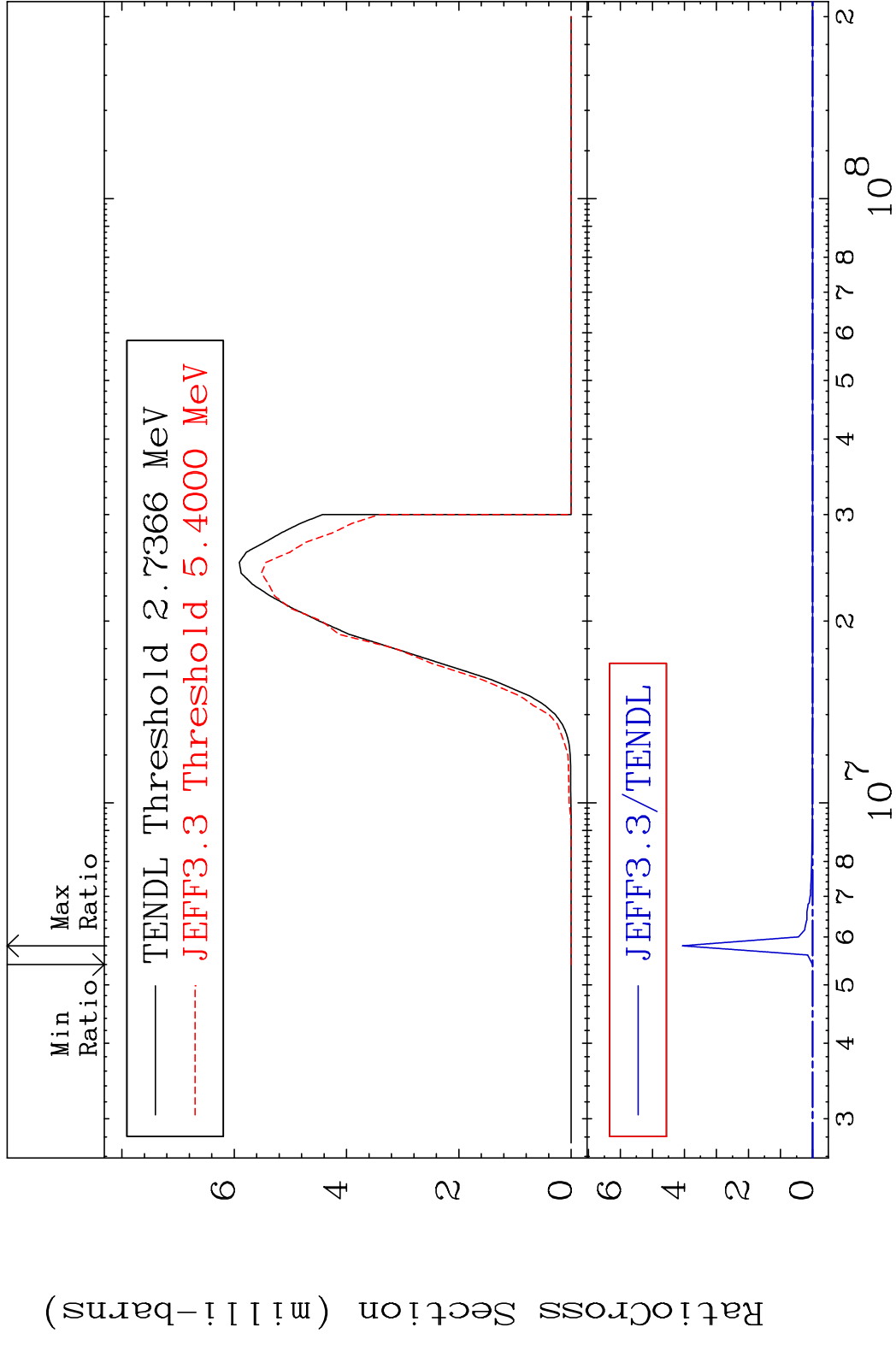
MAT 4519 (n,3n):45-Rh-99g 45-Rh-101
 Radionuclide Production Cross Section 18.155 MeV 273.5 %

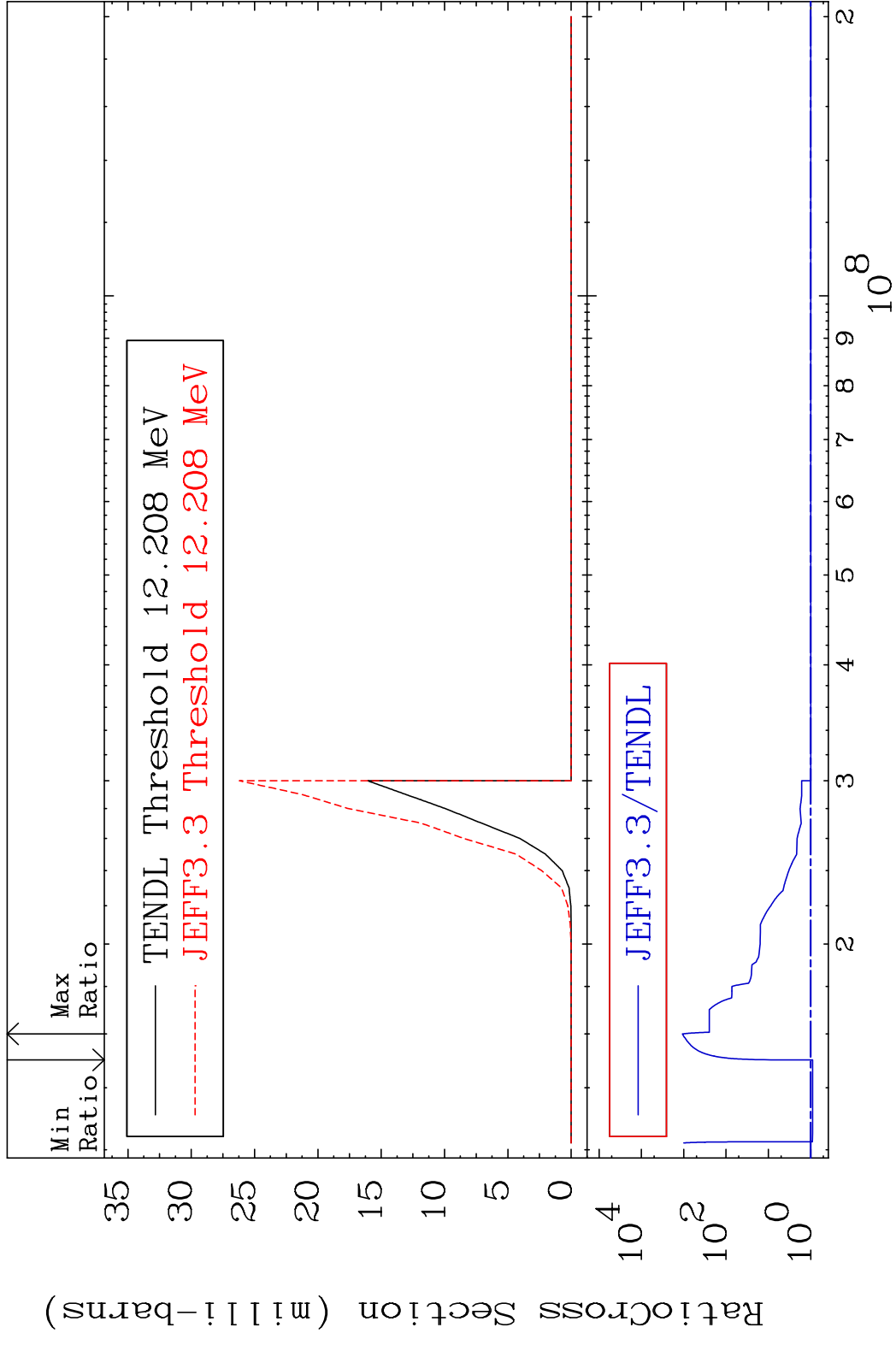


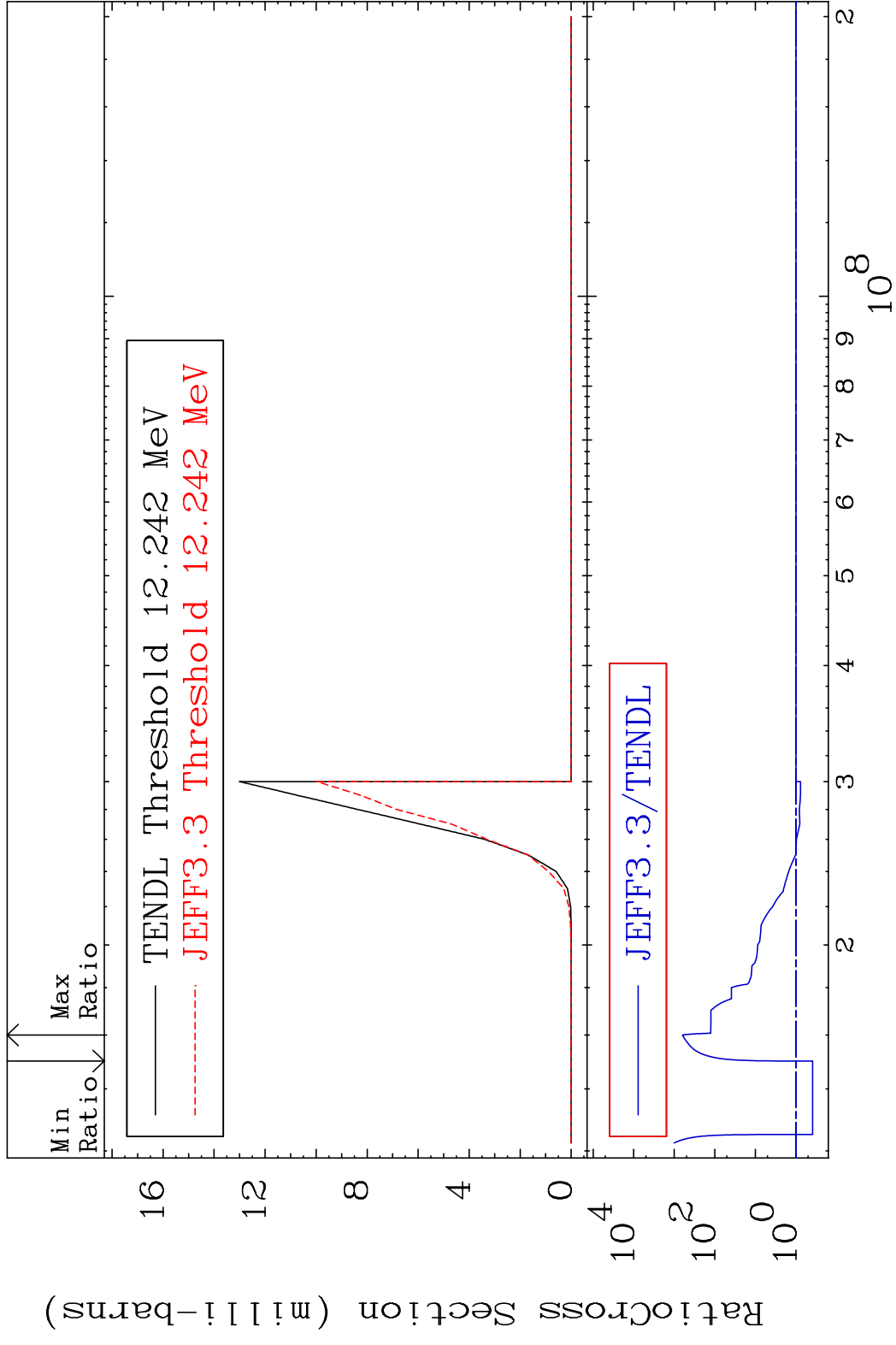
MAT 4519 (n,3n):45-Rh-99m1 45-Rh-101
 Radionuclide Production Cross Section 18.215 MeV 269.8 %



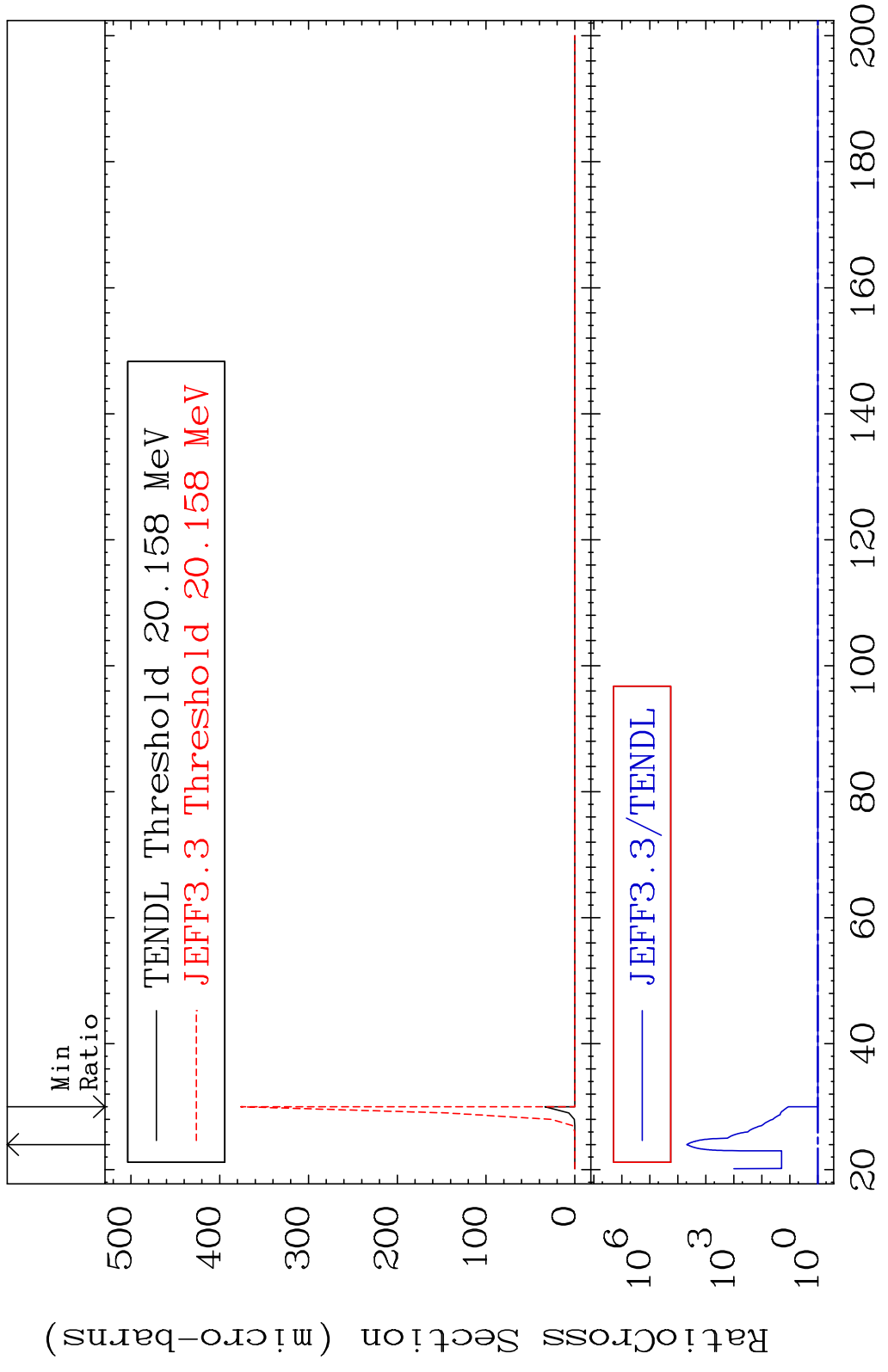




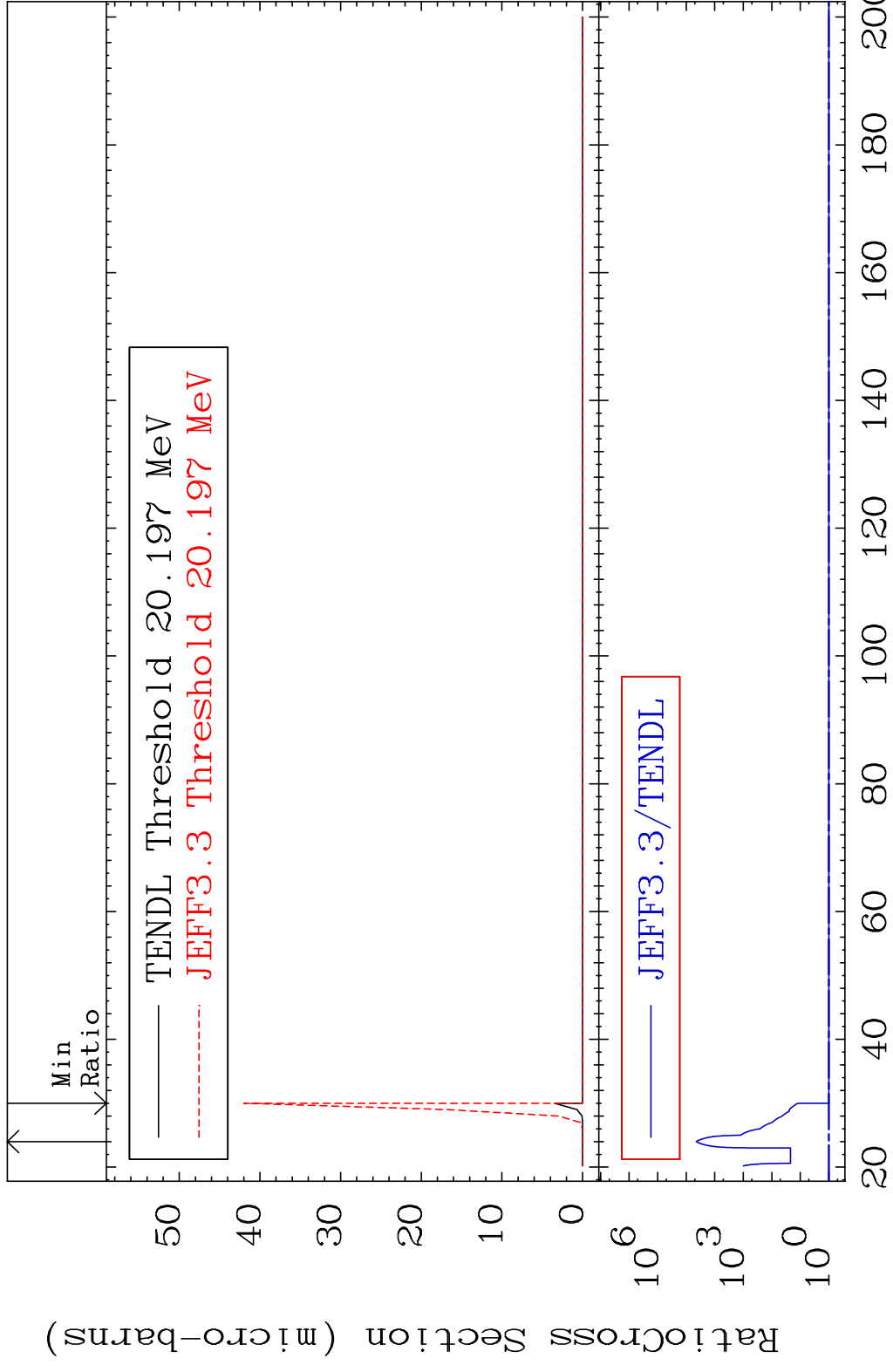




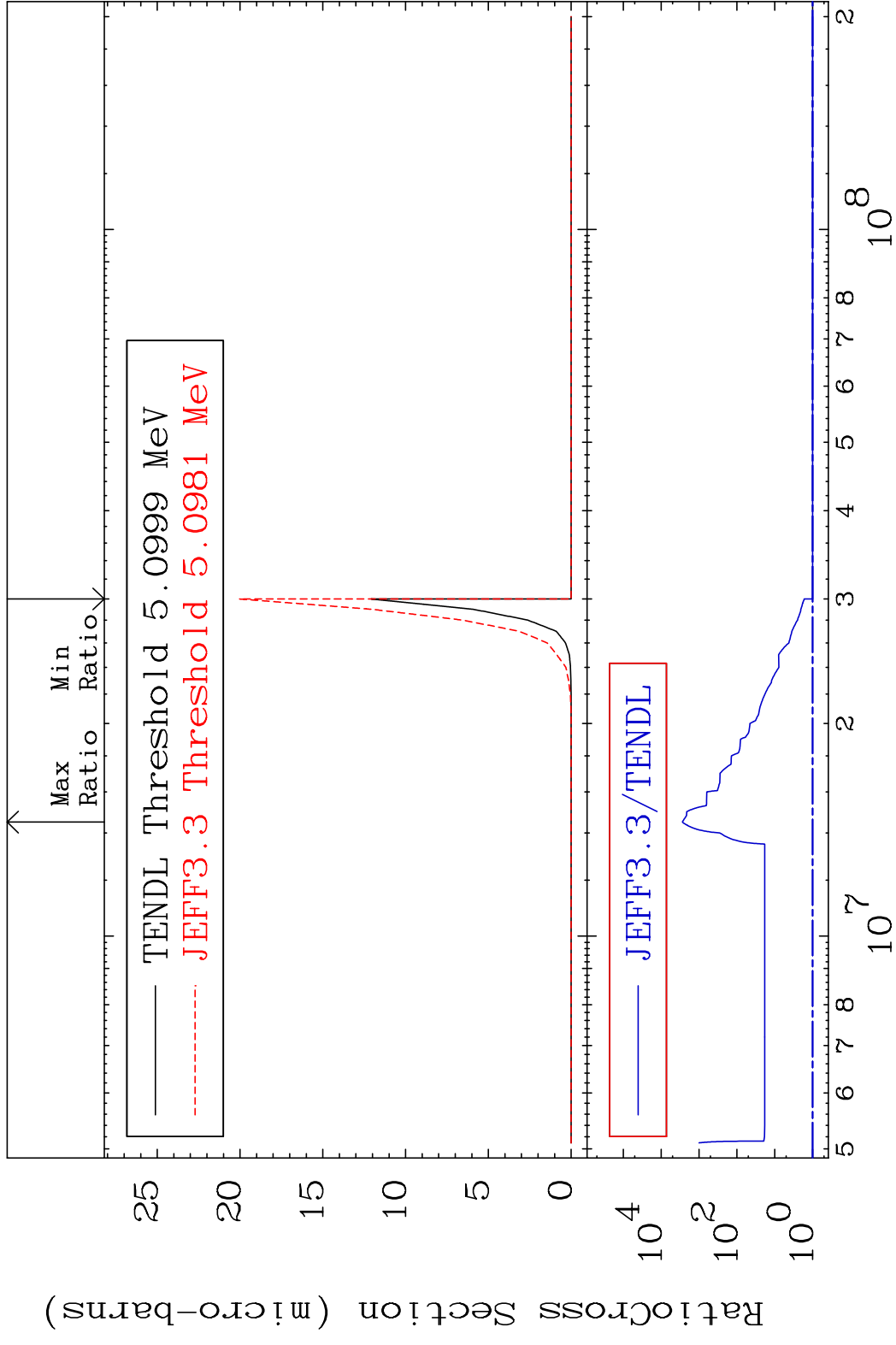
MAT 4519 (n,3n) α :43-Tc-95g 45-Rh-101
 Radionuclide Production Cross Section 9999. %

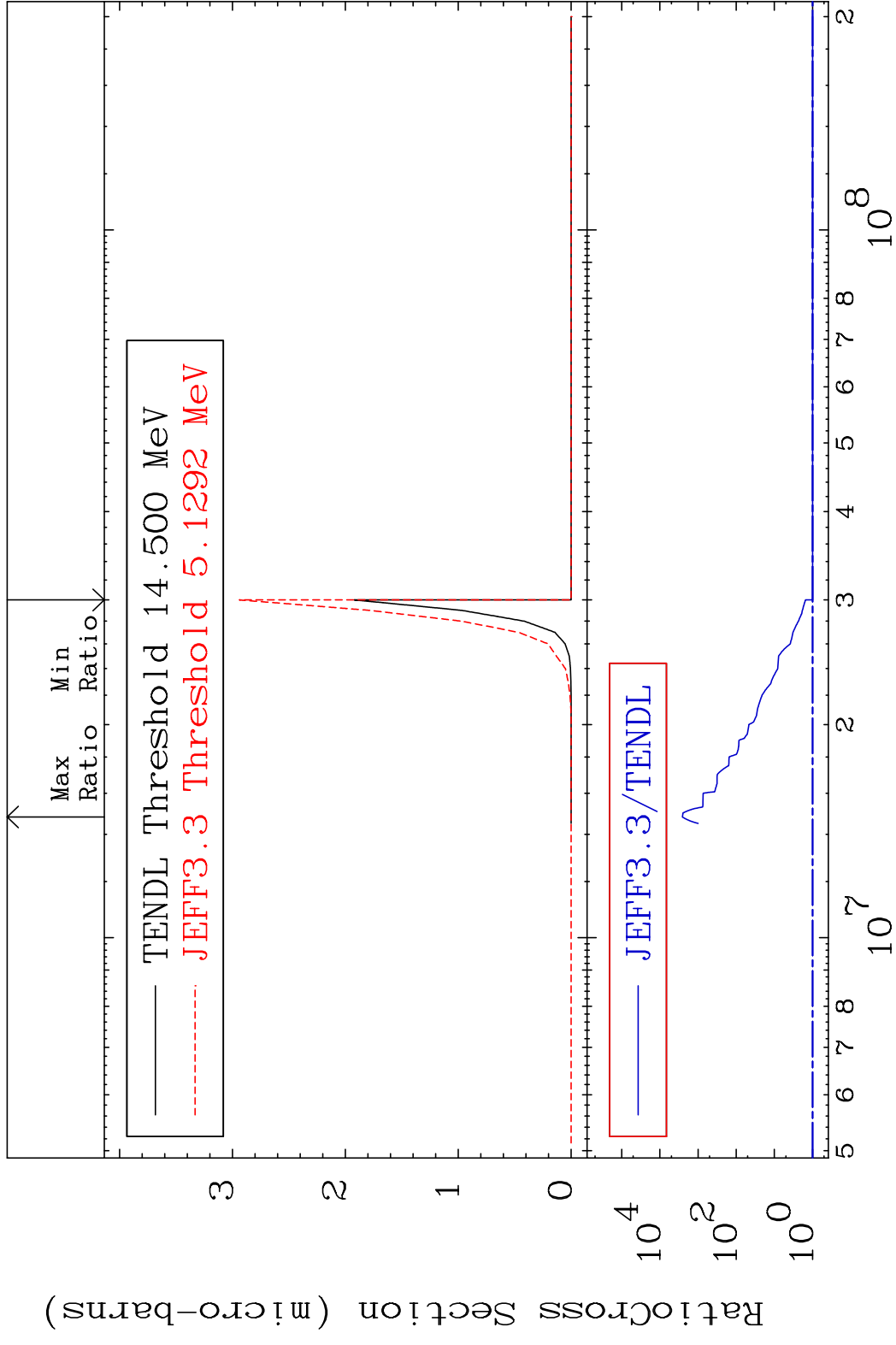


MAT 4519 (n,3n) α :43-Tc-95m1 45-Rh-101
 Radionuclide Production Cross Section, %

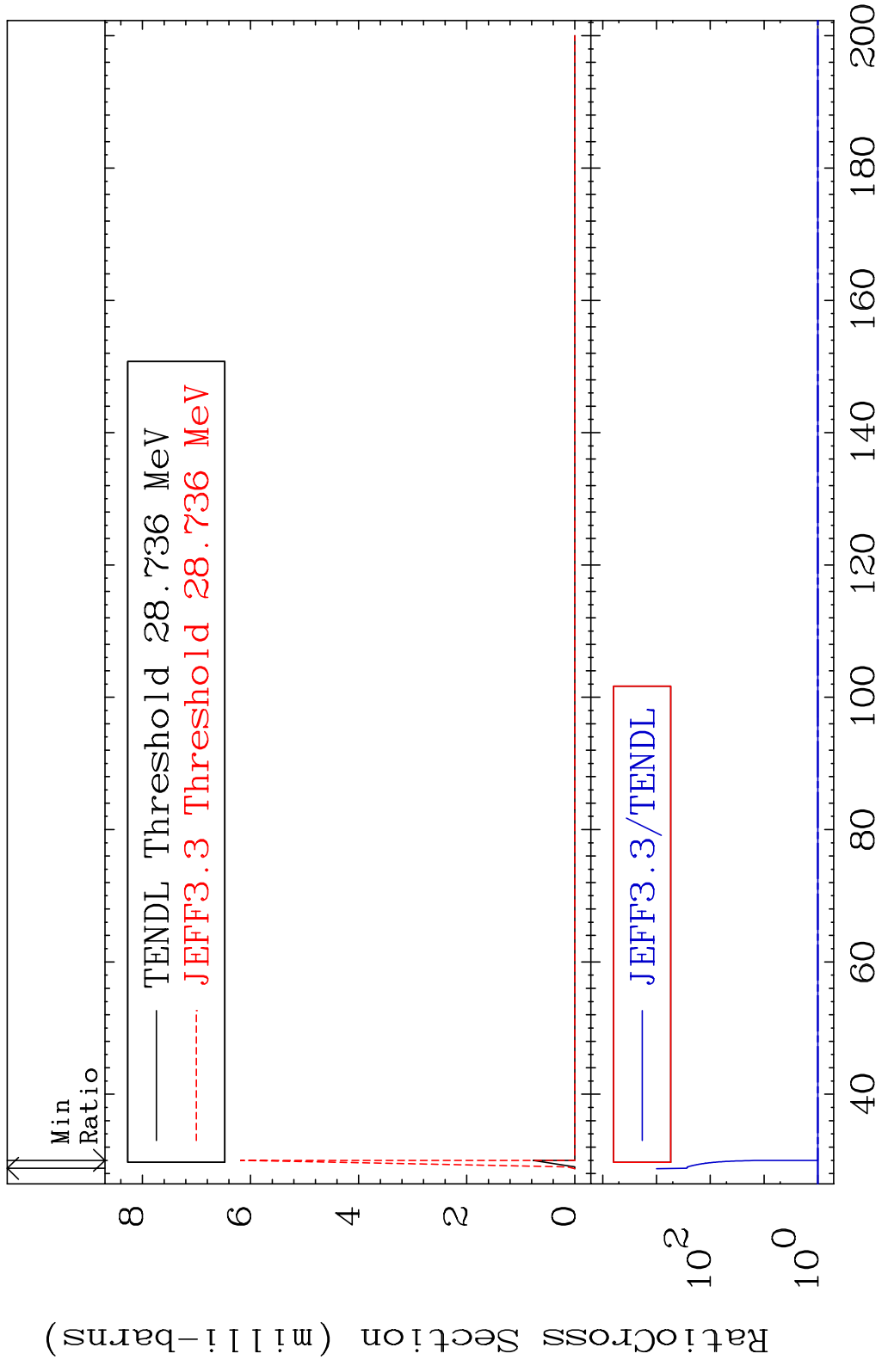


90 Incident Energy (MeV) 45-Rh-101





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



MAT 4519 (n,2n) p:43-Tc-99g 45-Rh-101
 Radionuclide Production Cross Section 98.96110 400.0 %

