

Program Complot
(Version 2021-1)

by

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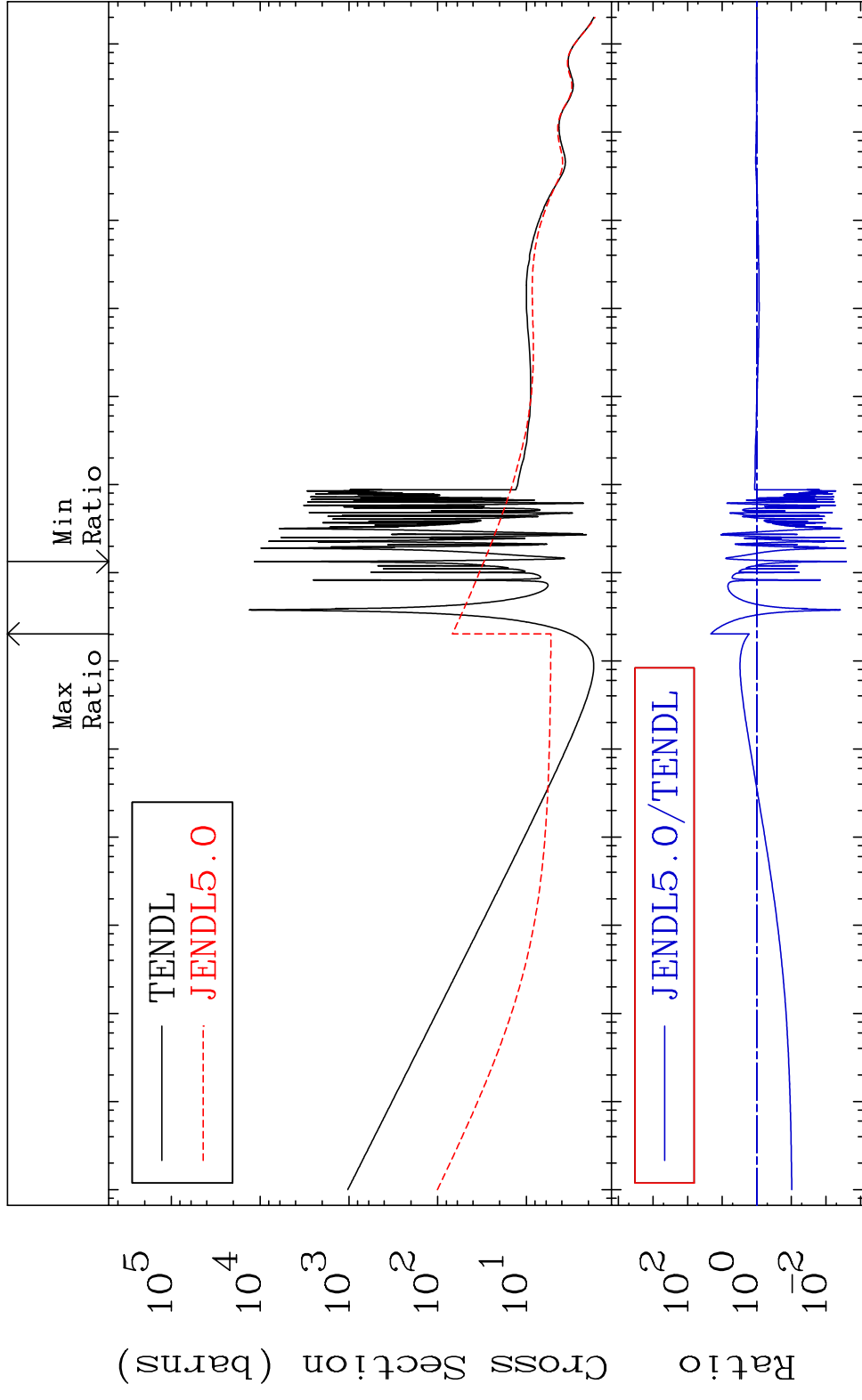
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4519

Total Cross Section -99.74 To 2049. %

45-Rh-101



10⁵ 10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵ Incident Energy (eV)

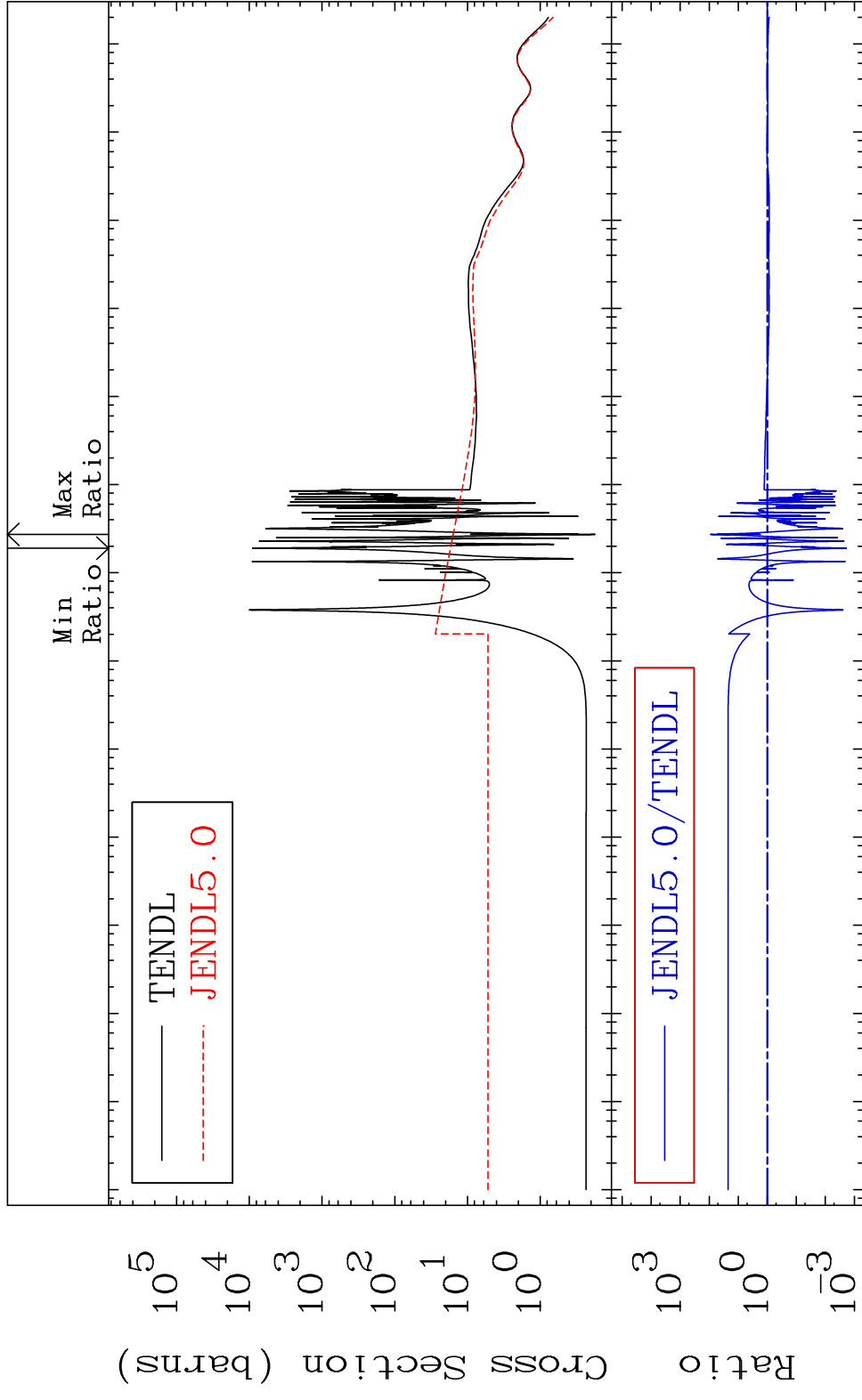
1 45-Rh-101

MAT 4519

Elastic

45-Rh-101

Cross Section -99.81 To 8794. %



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

2

Incident Energy (eV)

45-Rh-101

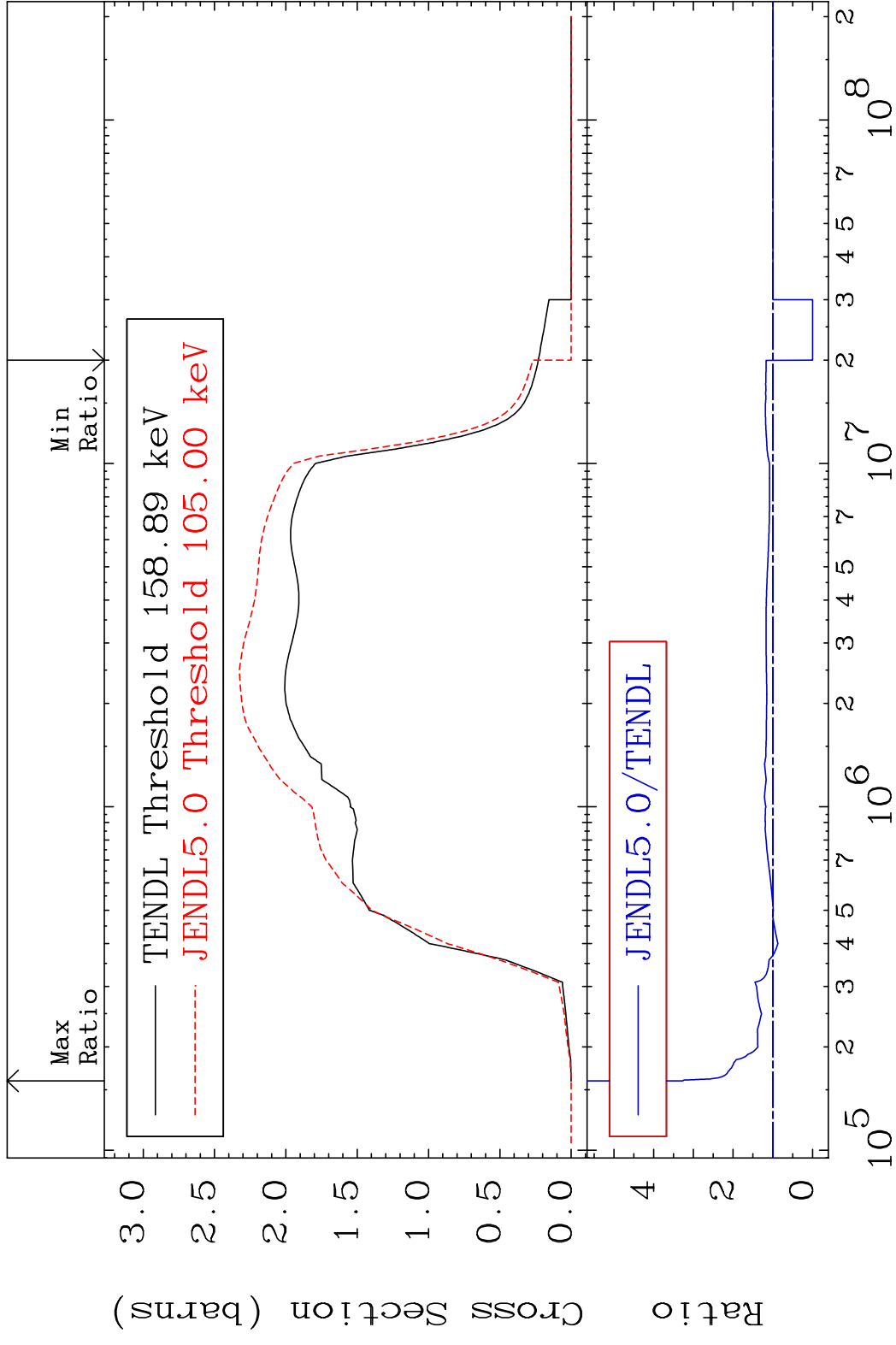
MAT 4519

Inelastic

45-Rh-101

Cross Section

-100.0 To 227.8 %

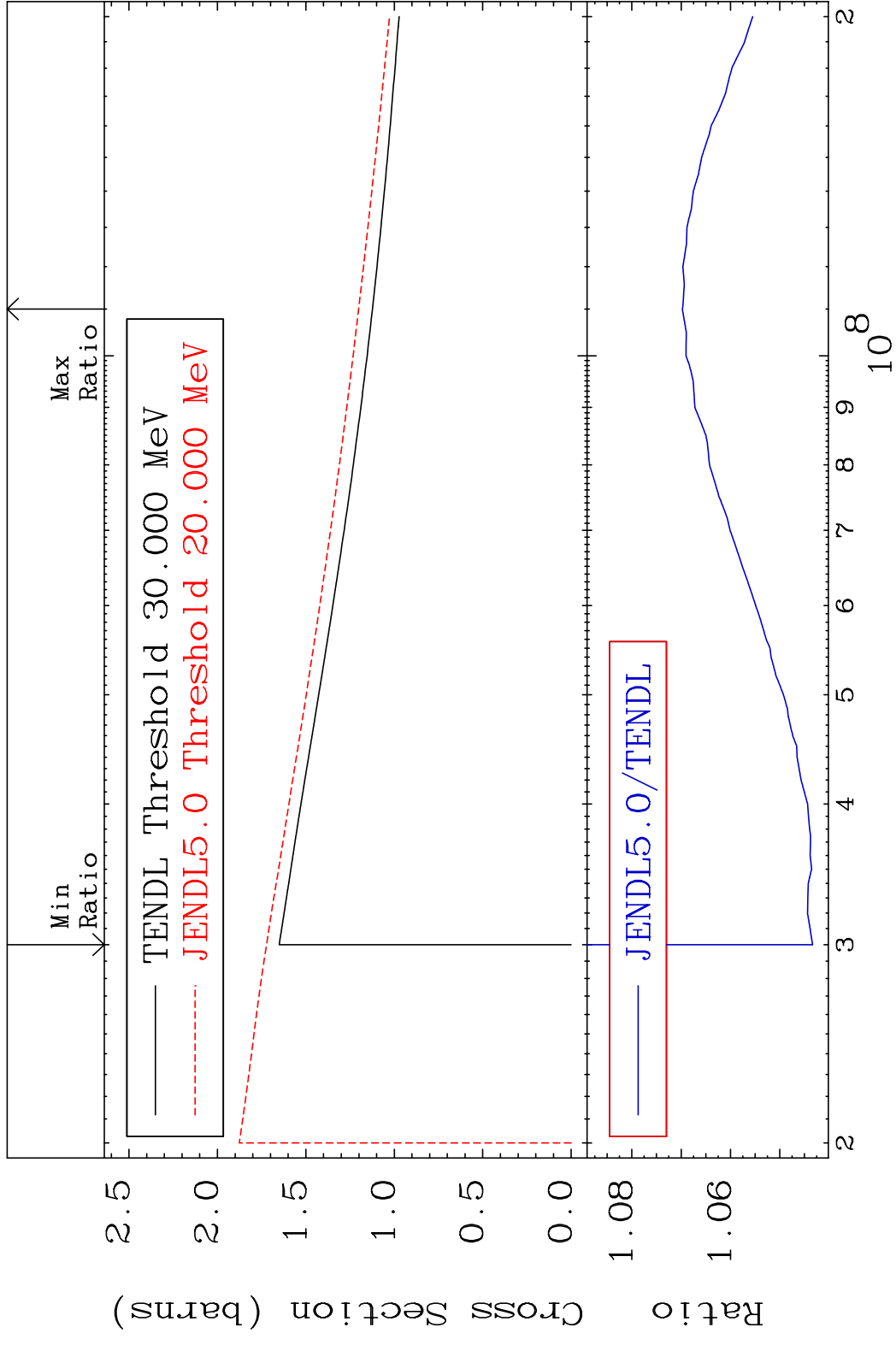


3

Incident Energy (eV)

45-Rh-101

MAT 4519 (n, remainder) 45-Rh-101
 Cross Section 4.335 To 6.975 %



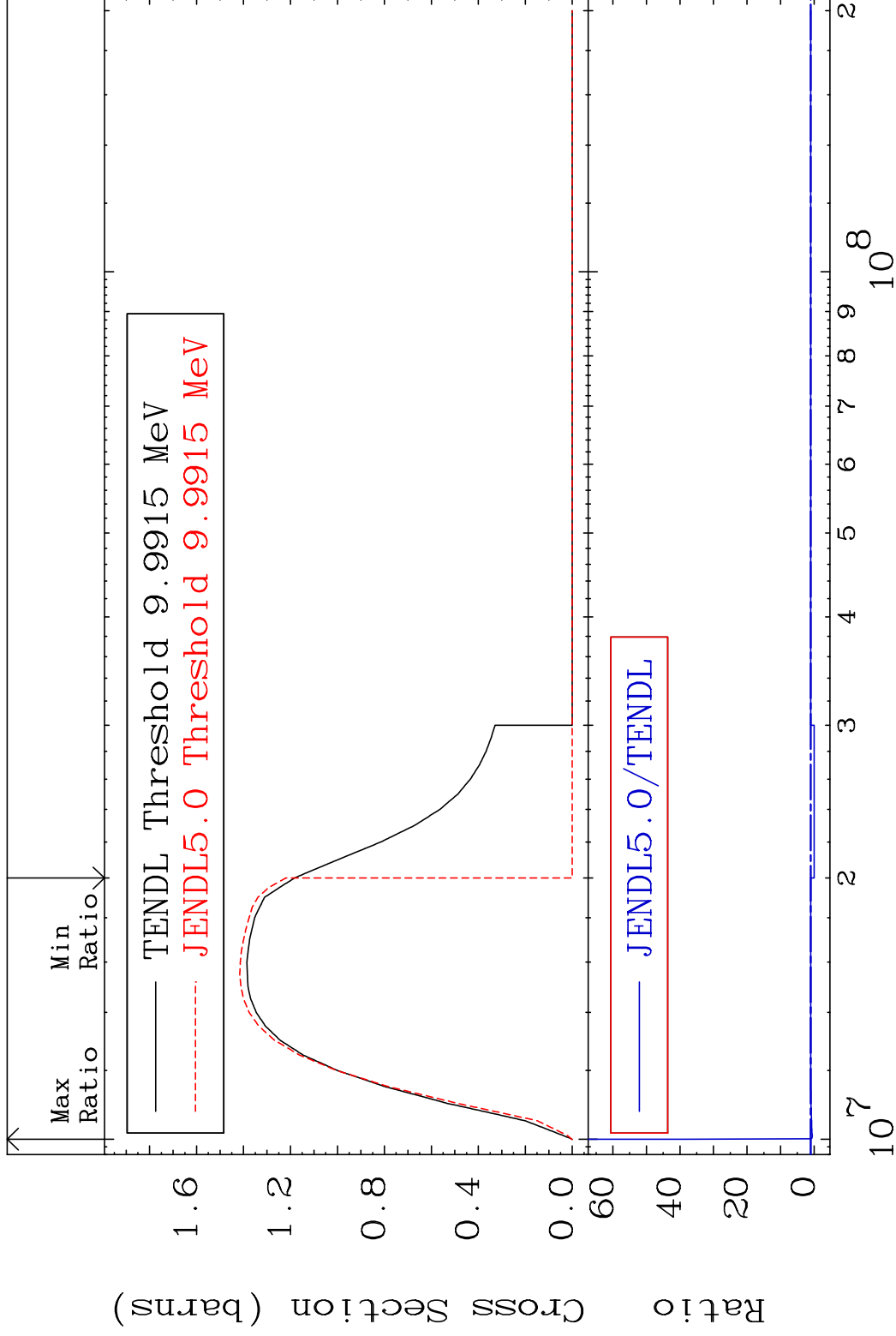
4 Incident Energy (eV) 45-Rh-101

MAT 4519

(n,2n)

45-Rh-101

Cross Section -100.0 To 3789. %

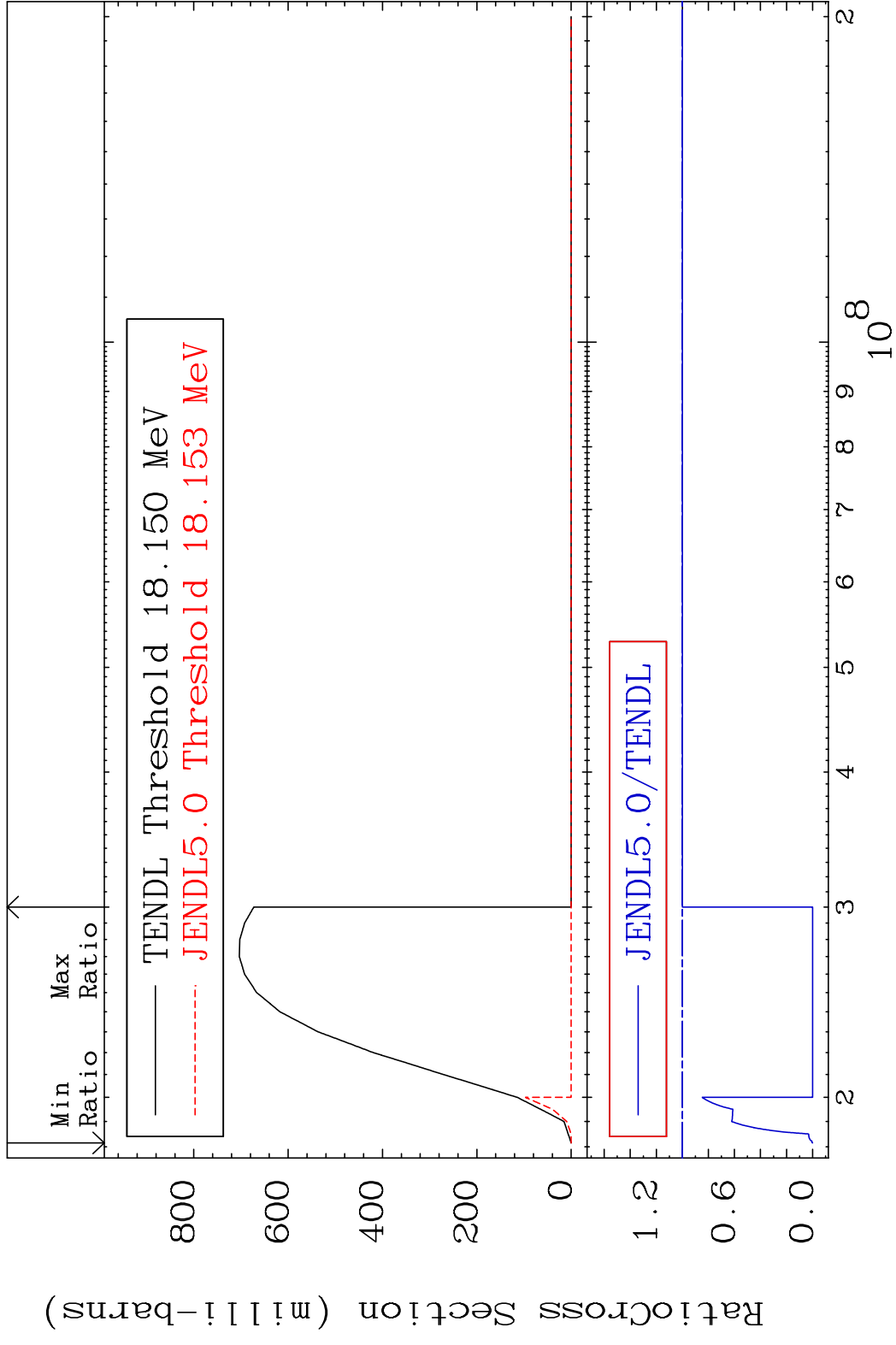


5

Incident Energy (eV)

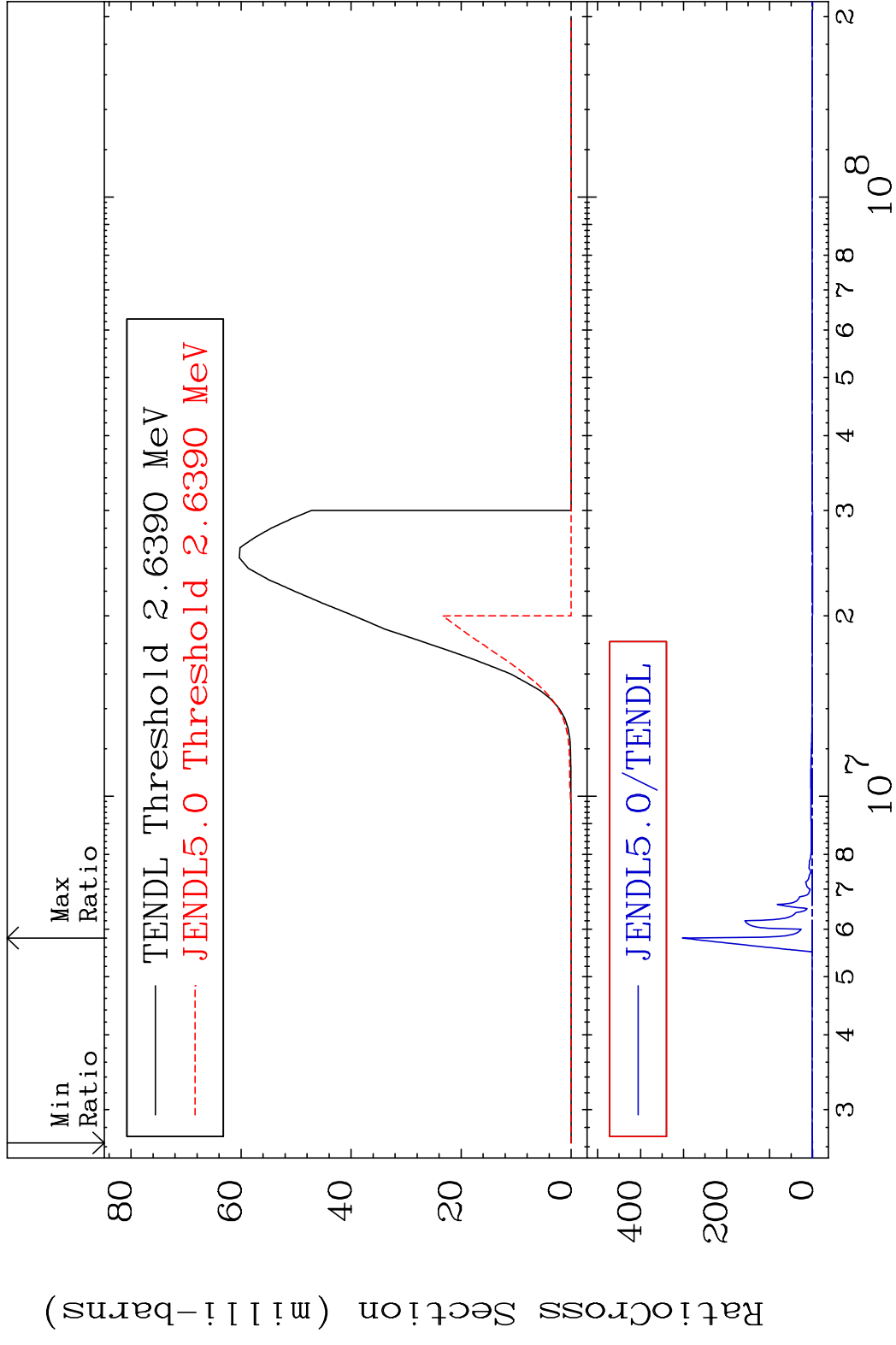
45-Rh-101

MAT 4519 (n,3n) 45-Rh-101
 Cross Section -100.0 To 0.000 %



6 Incident Energy (eV) 45-Rh-101

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



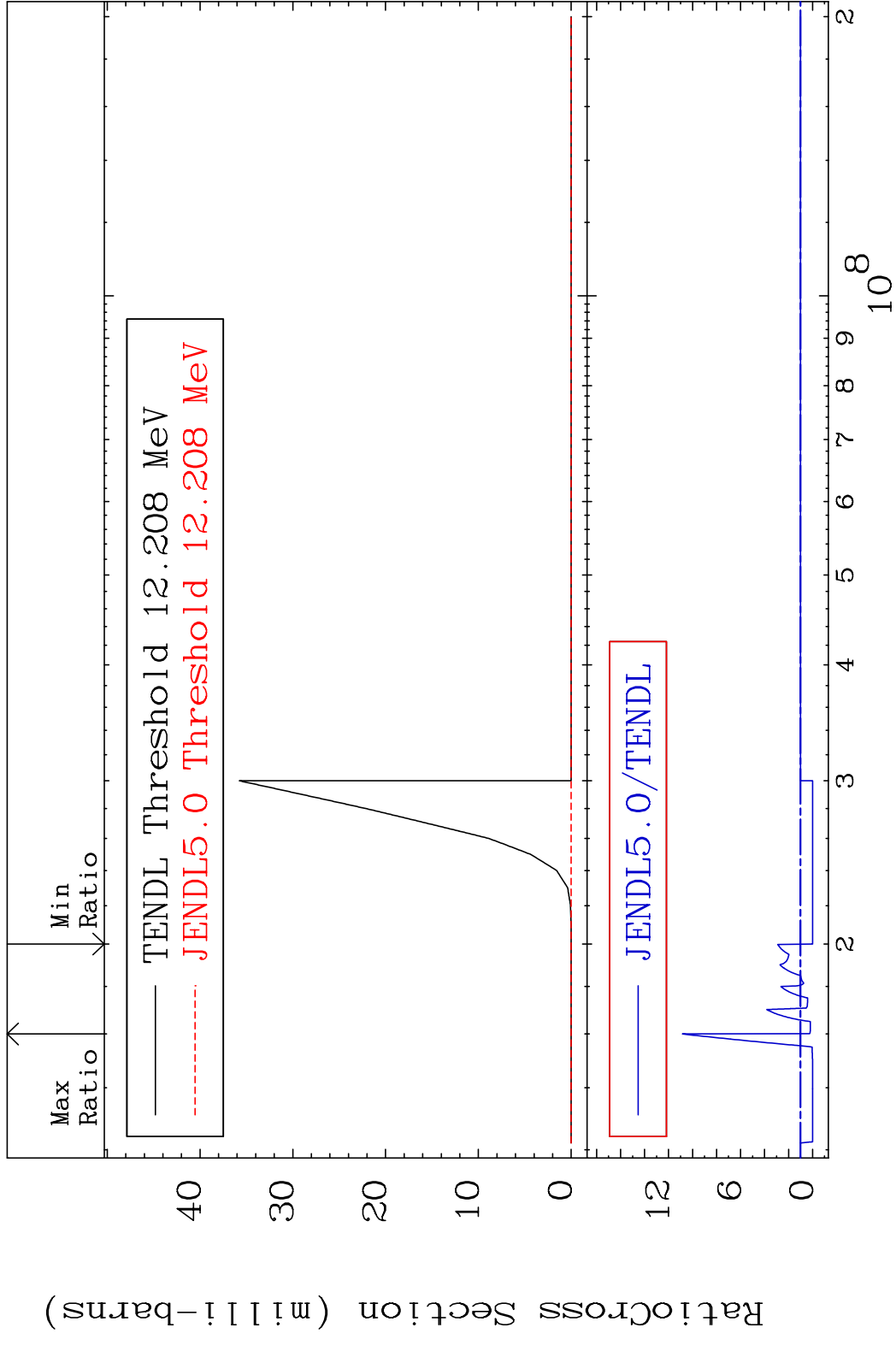
7 7 Incident Energy (eV) 45-Rh-101

MAT 4519

(n,2n) α

45-Rh-101

Cross Section -100.0 To 985.1 %

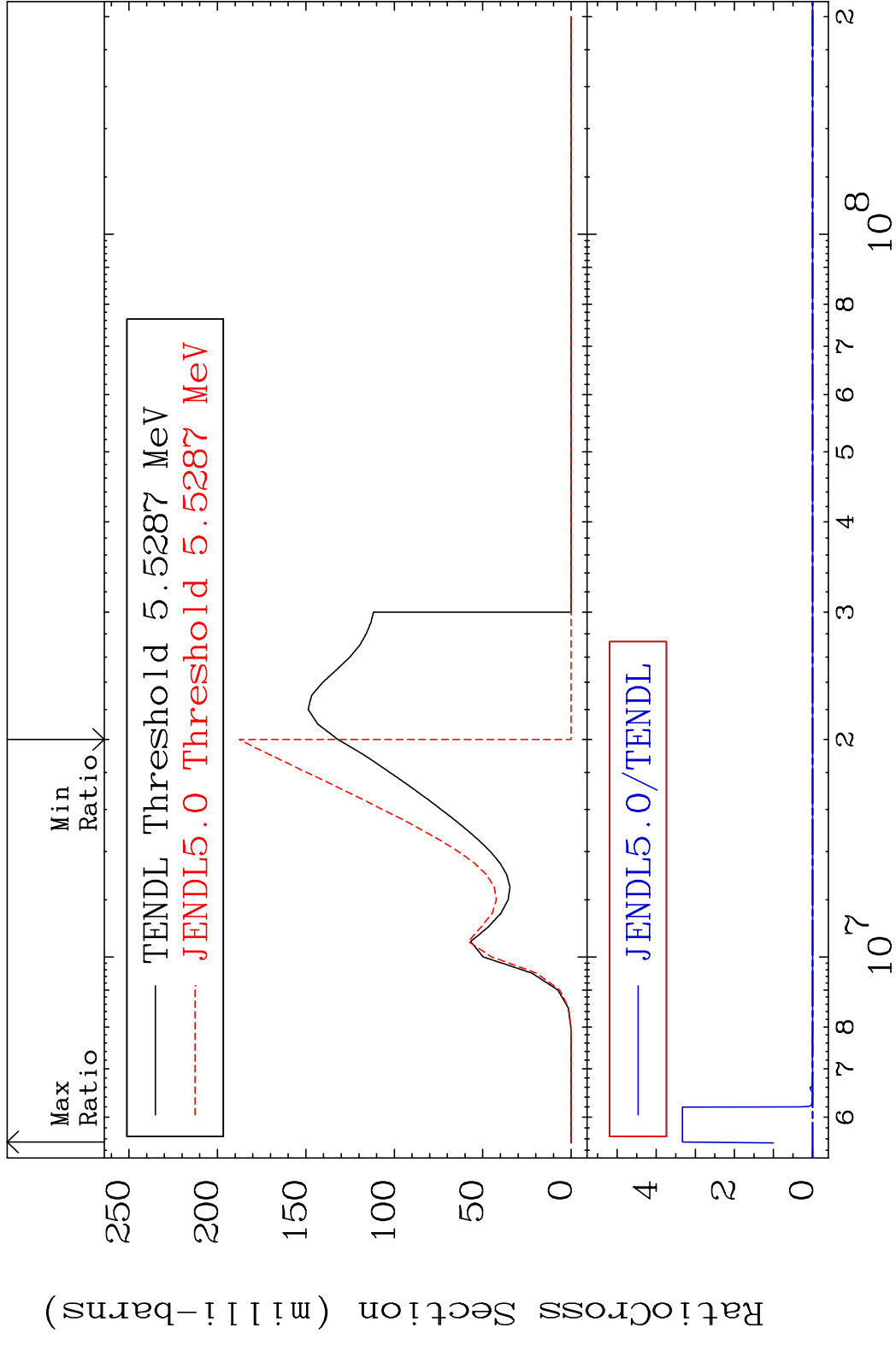


8

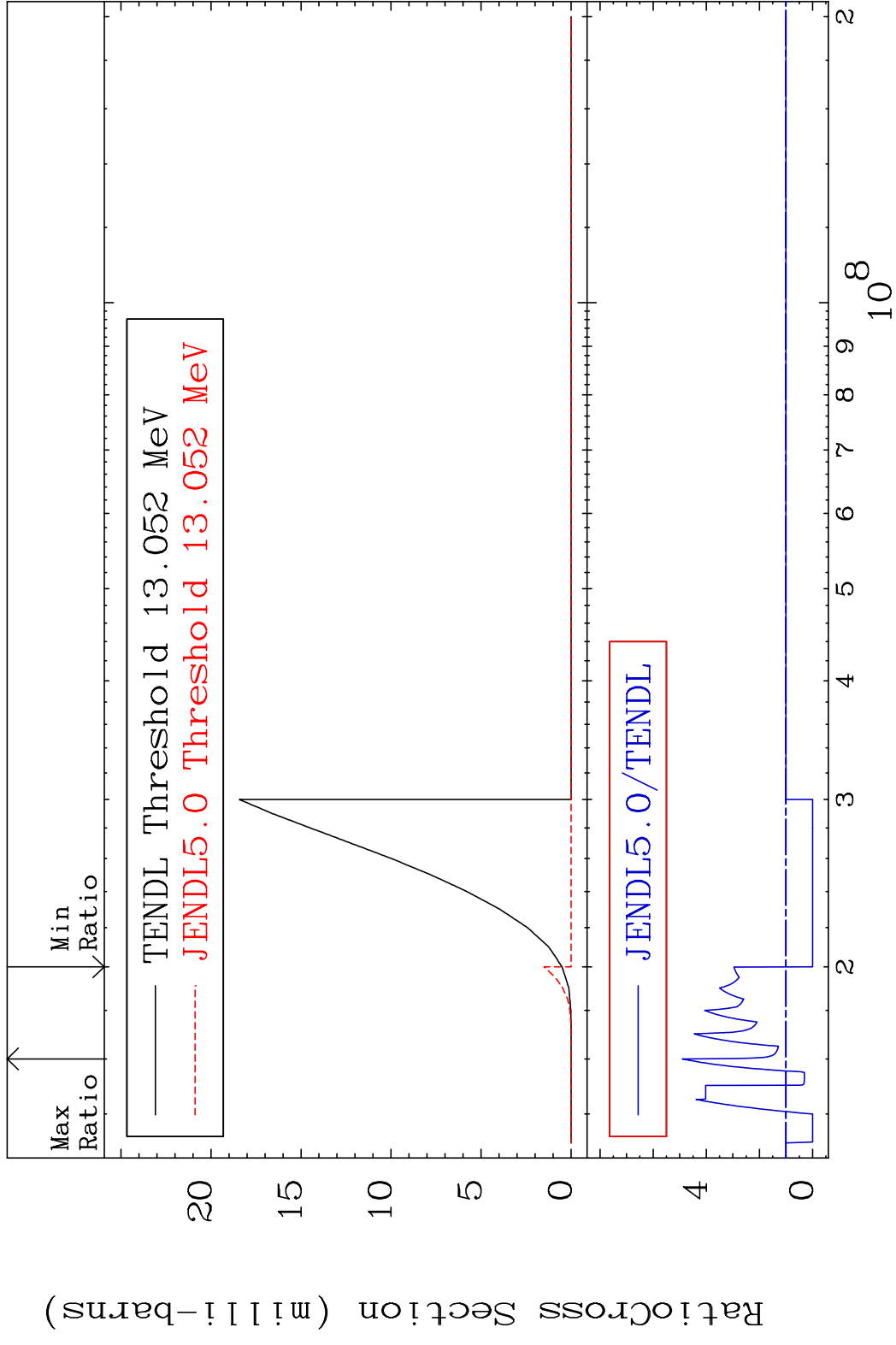
Incident Energy (eV)

45-Rh-101

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

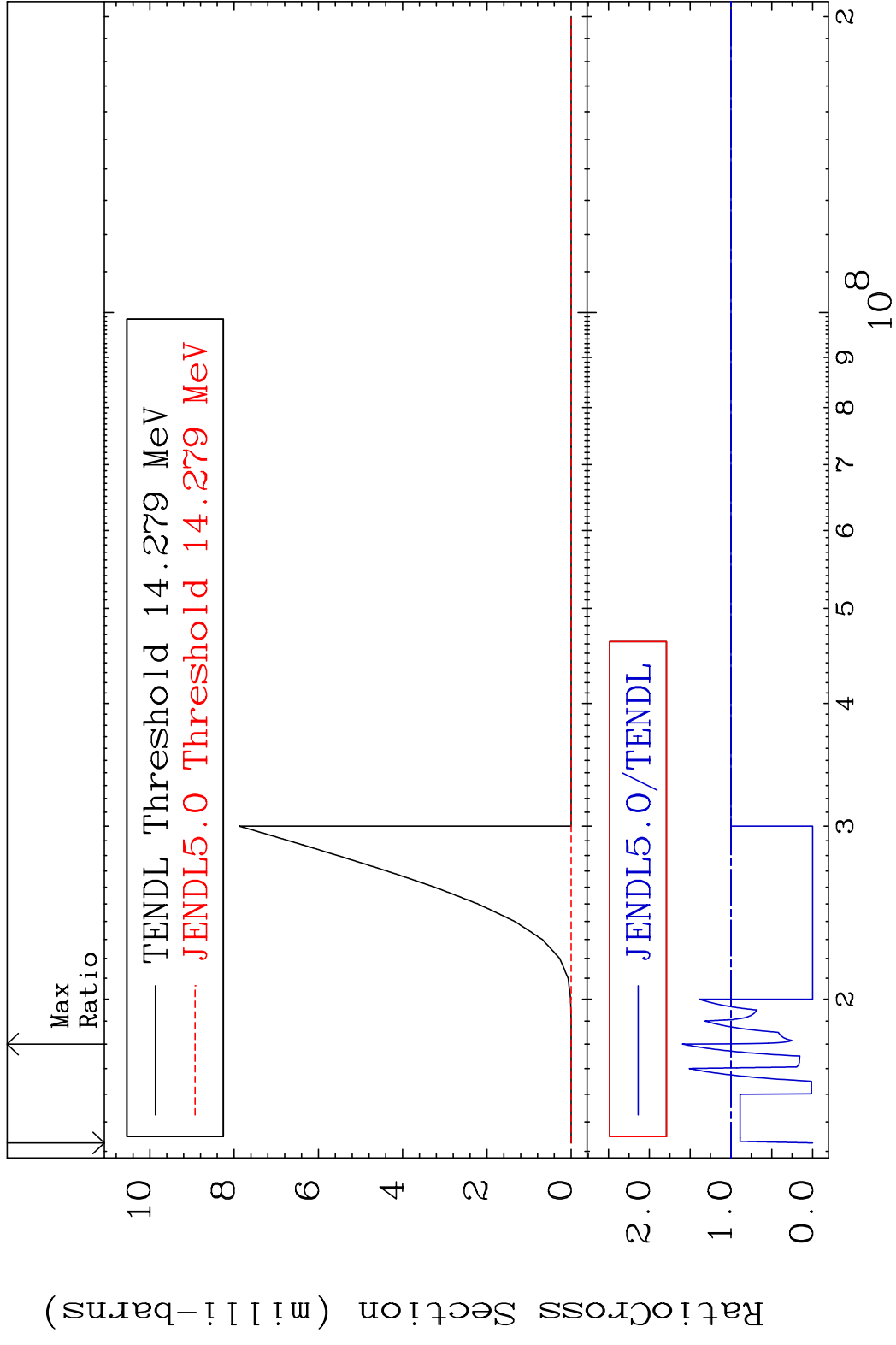


MAT 4519 (n, n') d 45-Rh-101
 Cross Section -100.0 To 390.1 %

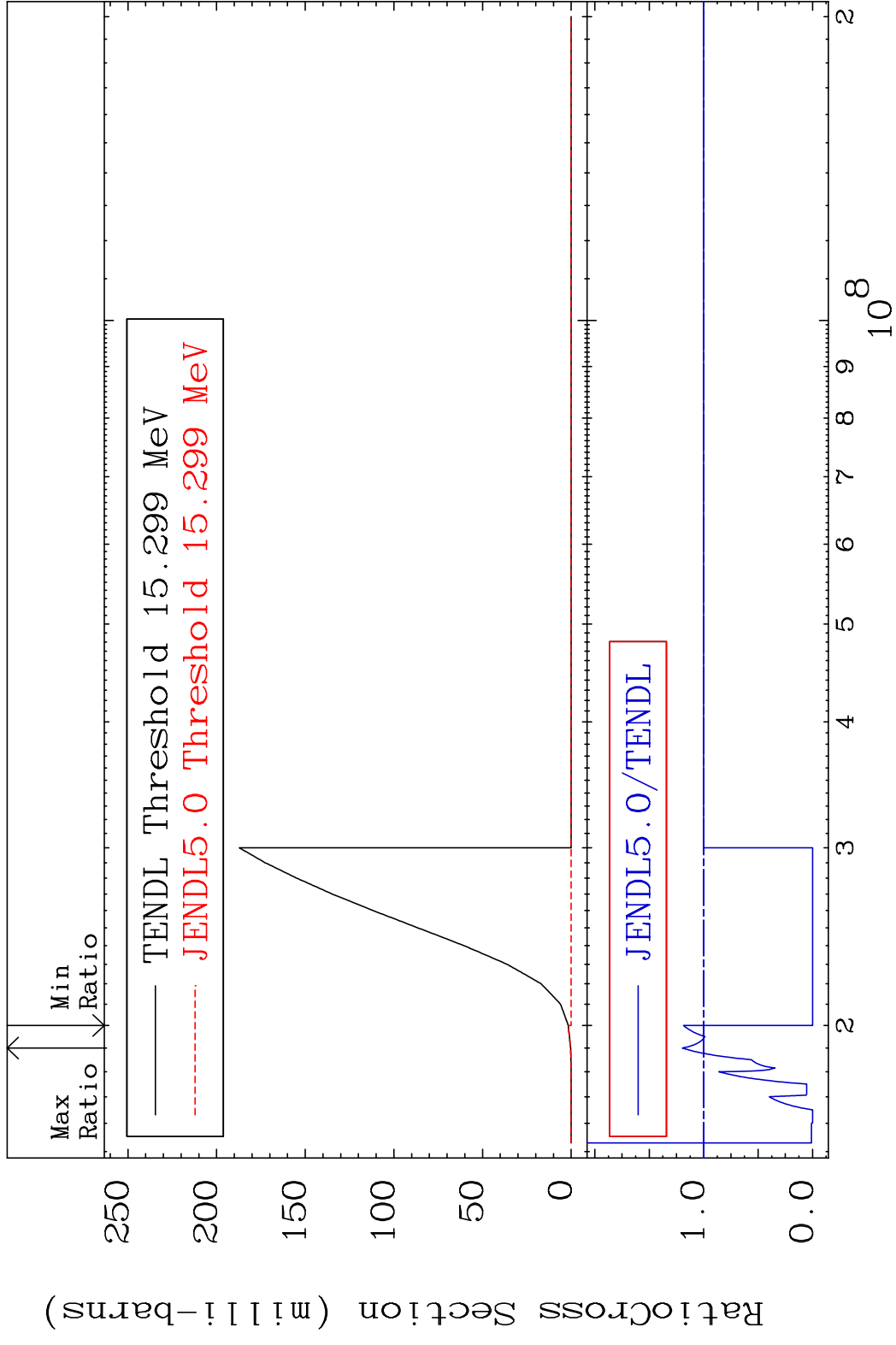


10 Incident Energy (eV) 45-Rh-101

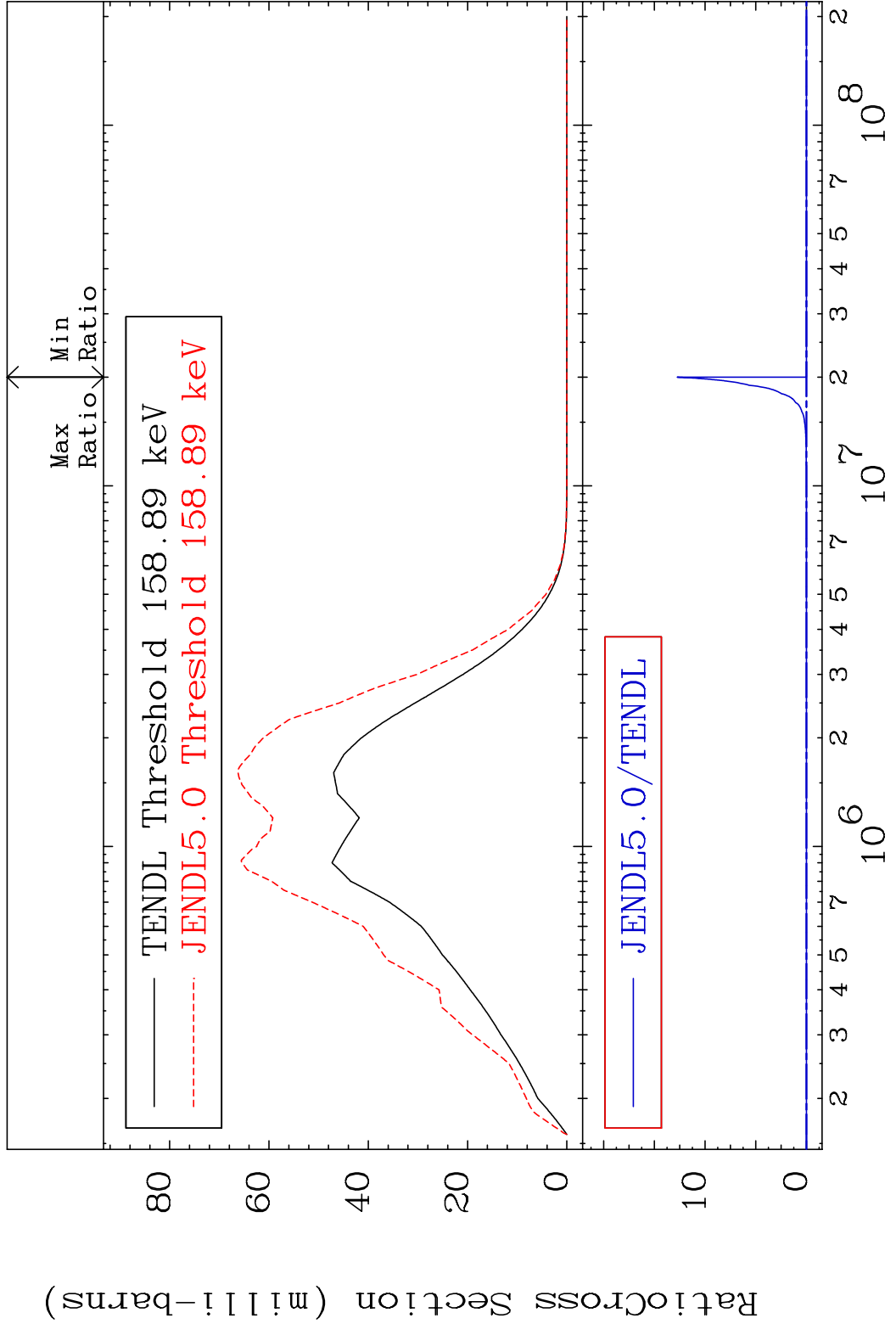
MAT 4519 (n, n') t 45-Rh-101
 Cross Section -100.0 To 59.54 %



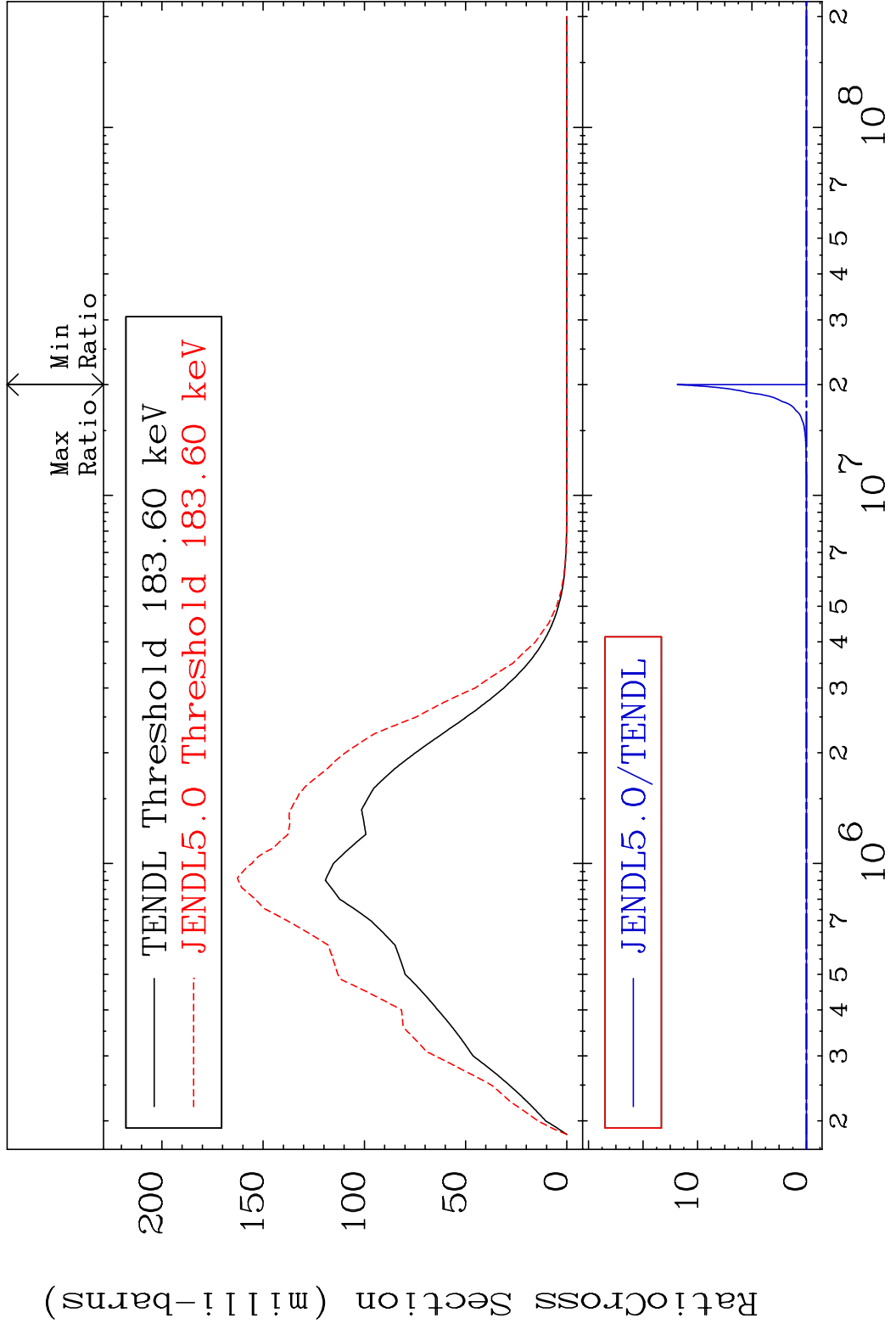
MAT 4519 (n,2n) p 45-Rh-101
 Cross Section -100.0 To 19.61 %



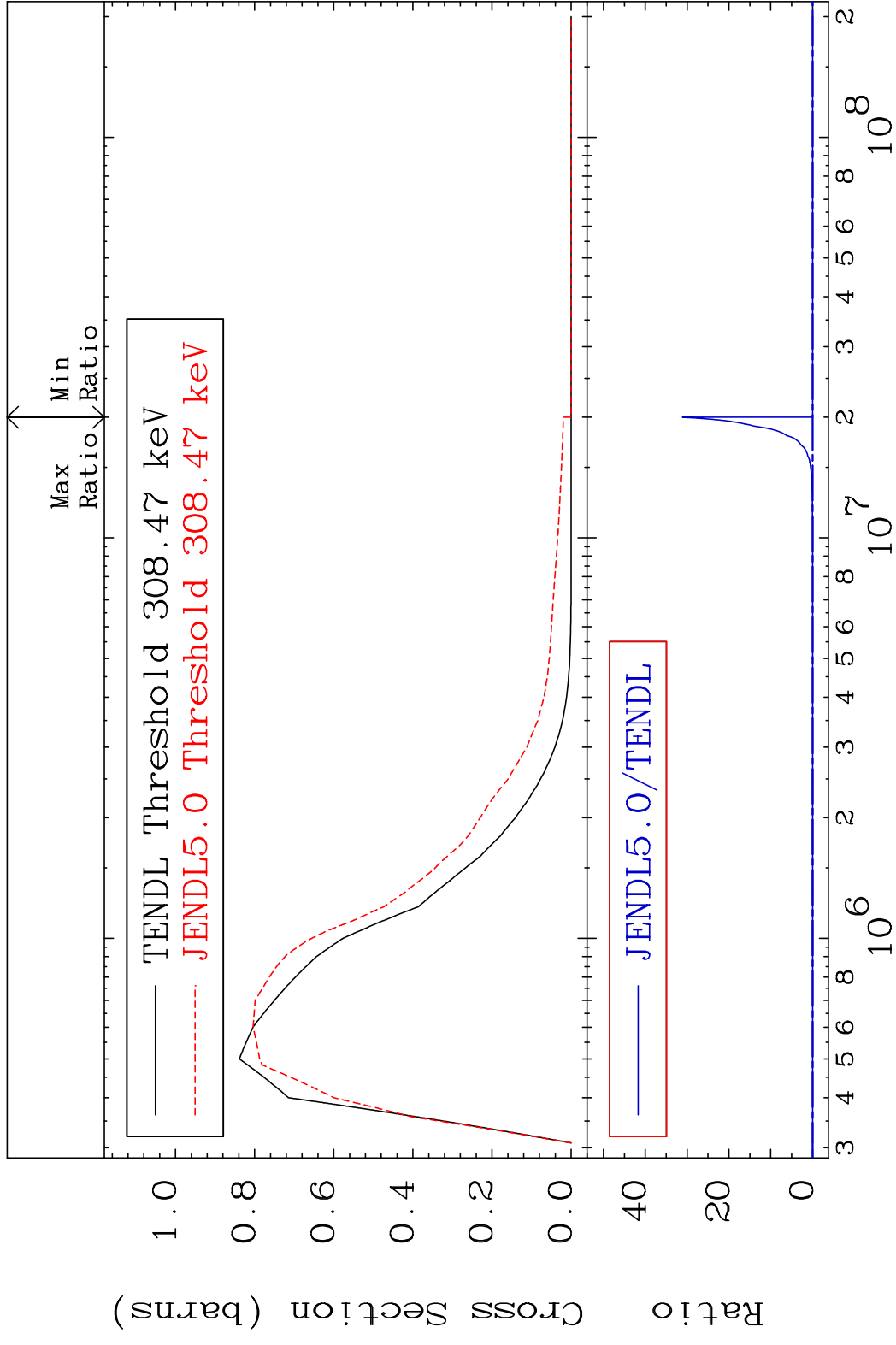
MAT 4519 MT= 51 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %



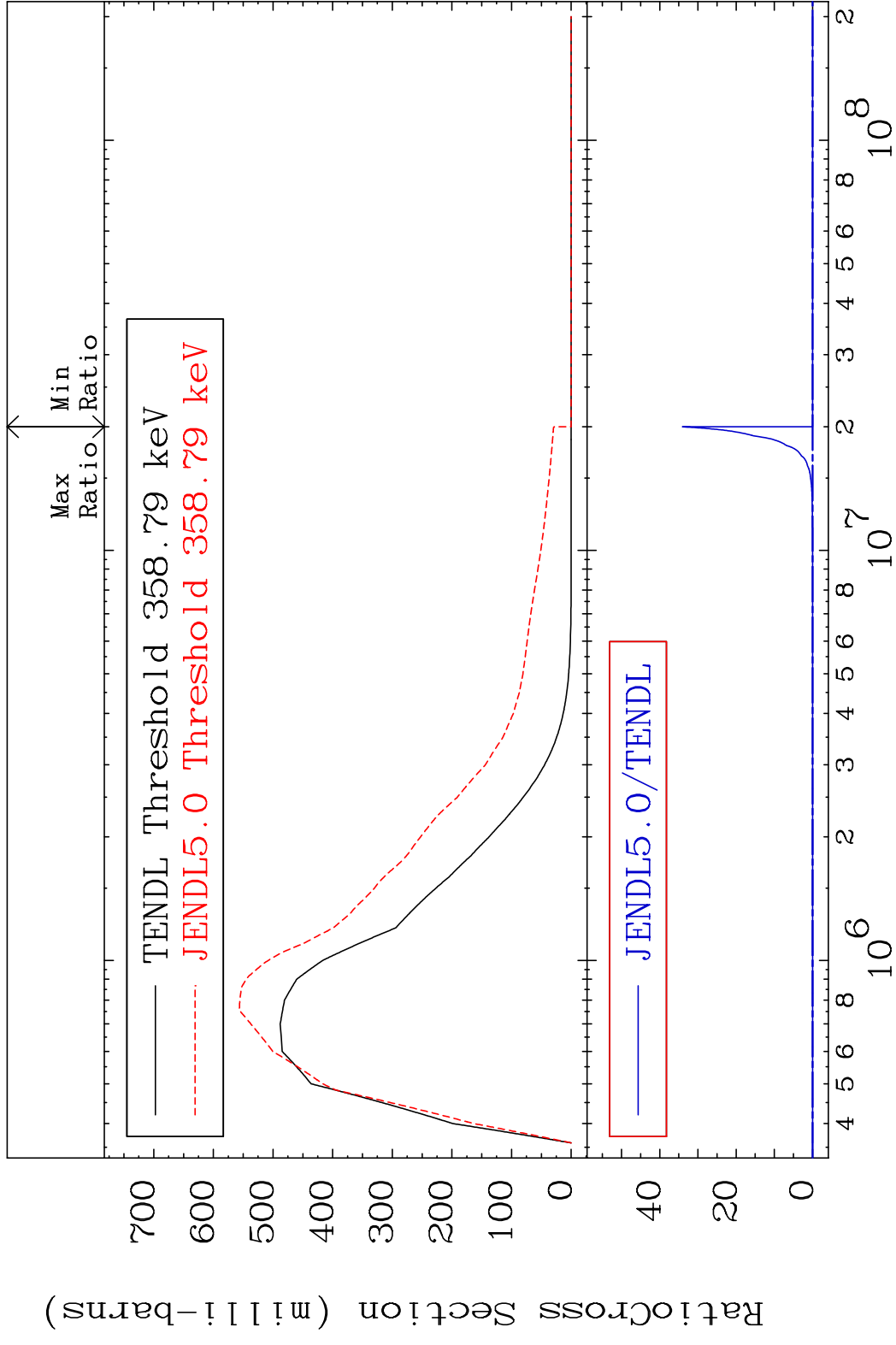
MAT 4519 MT= 52 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %



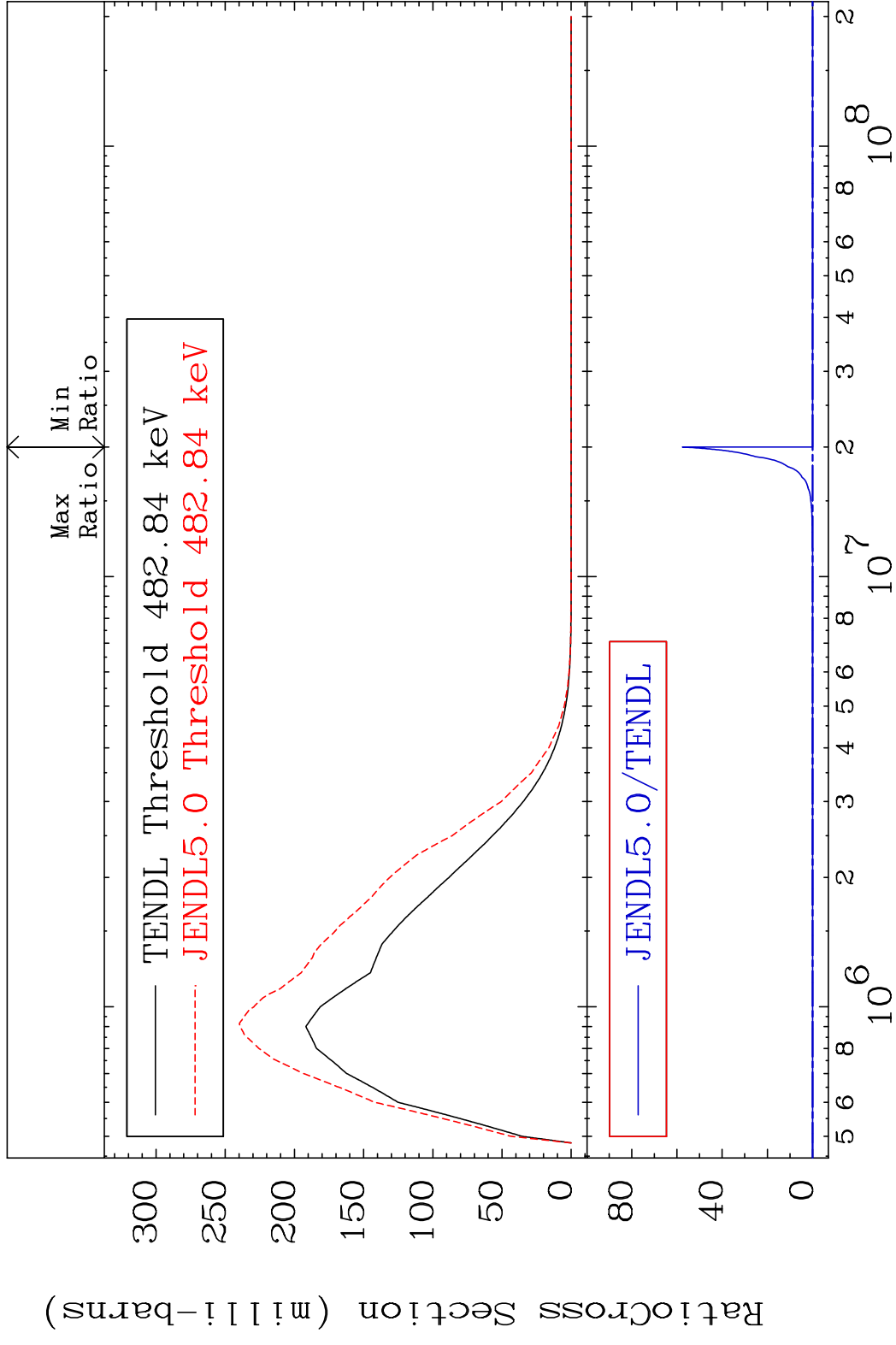
MAT 4519 MT= 53 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %



MAT 4519 MT= 54 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %

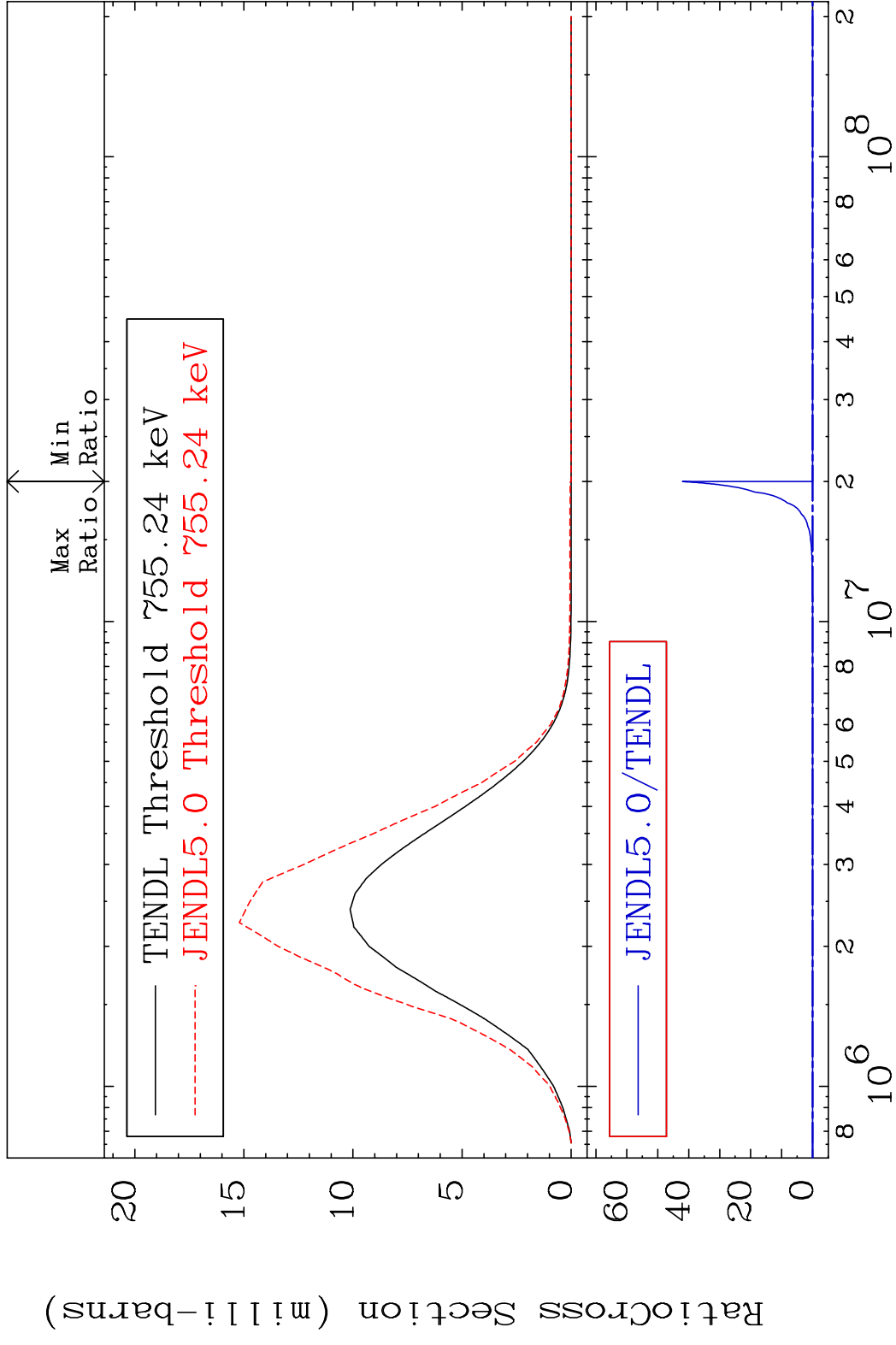


MAT 4519 MT= 55 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %



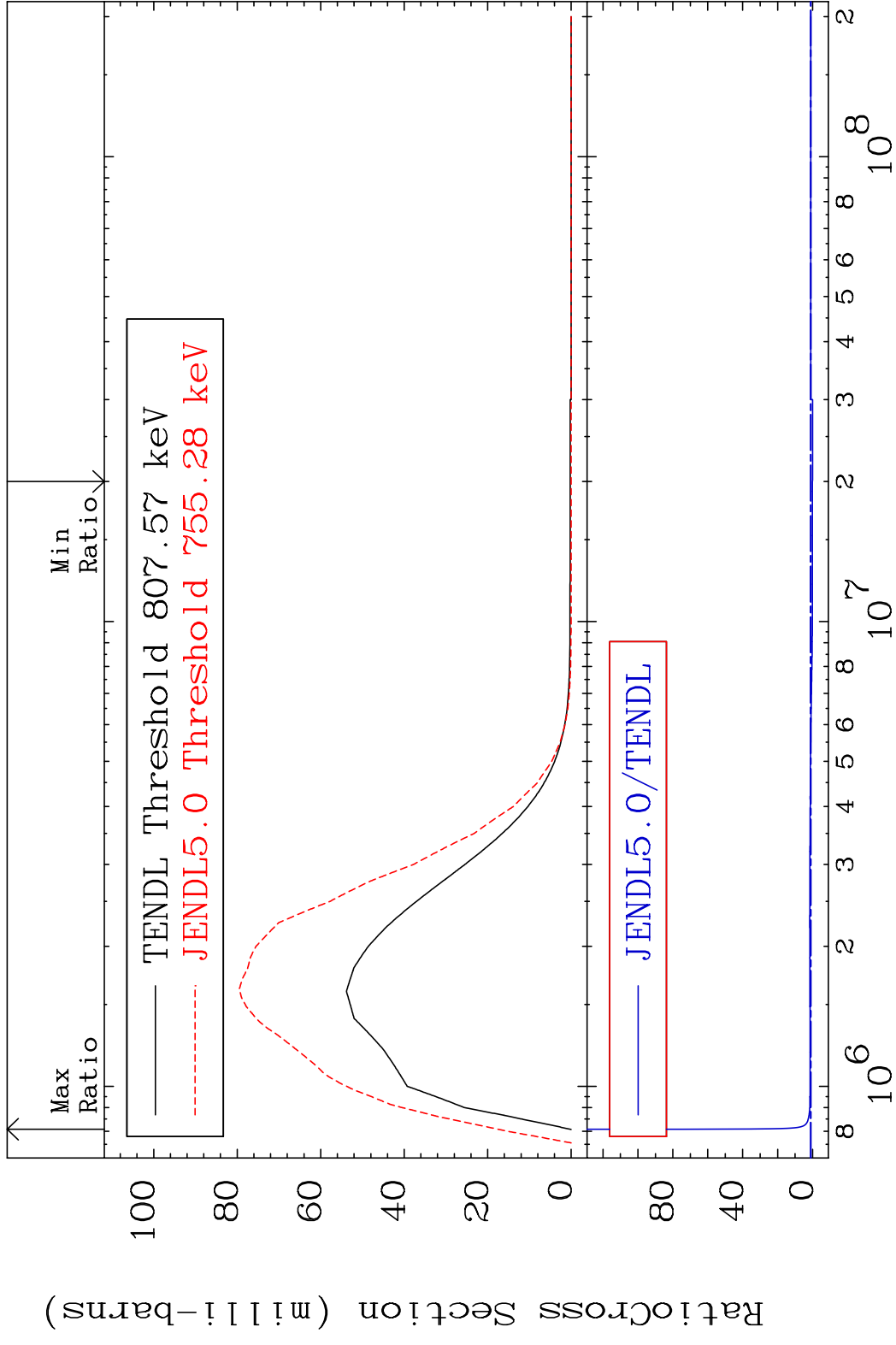
17 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 56 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %



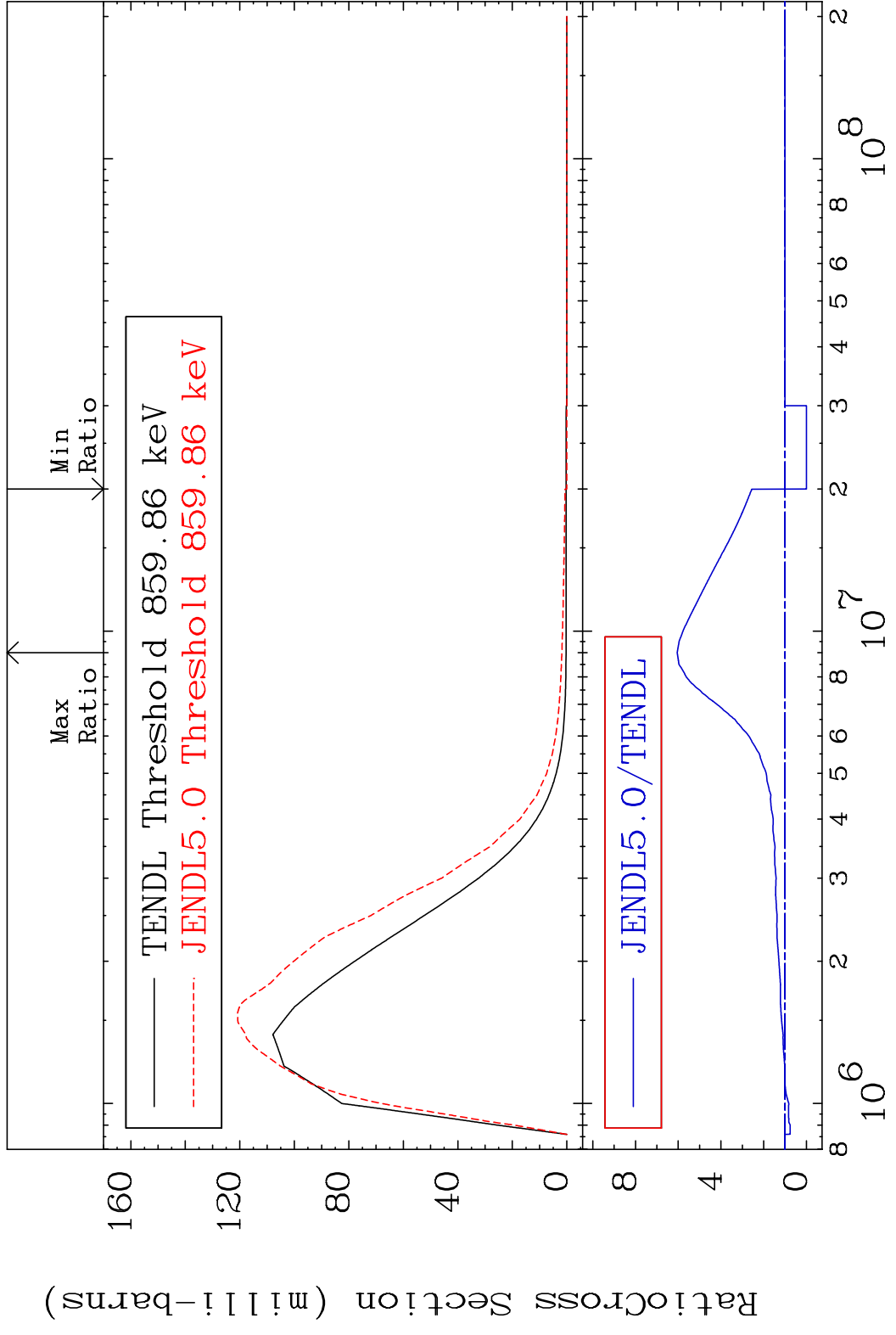
18 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 57 (n,n') Level 45-Rh-101
 Cross Section -100.0 To 7355. %



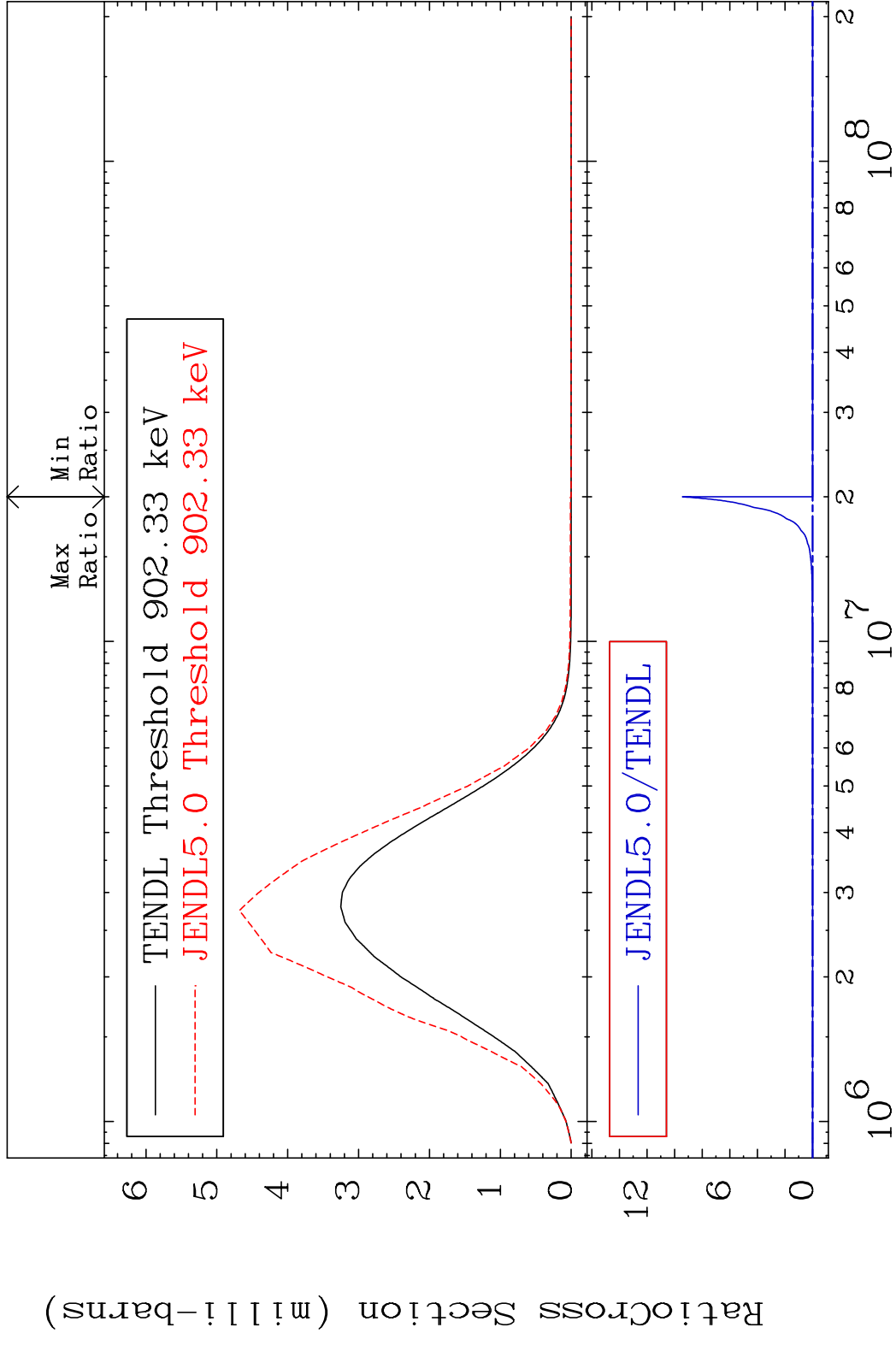
19 45-Rh-101

MAT 4519 MT= 58 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 504.8 %



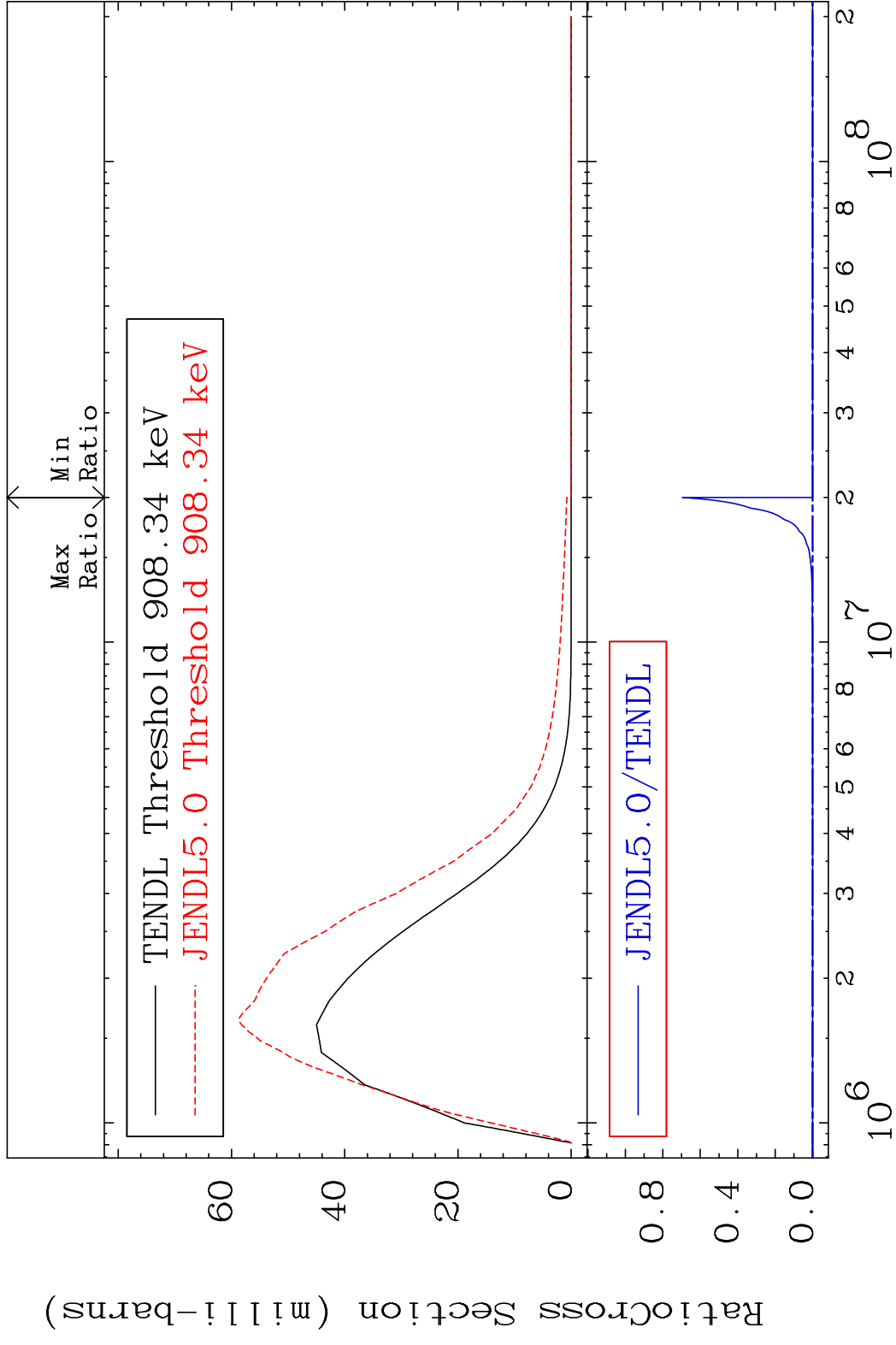
20 8 10⁶ 2 3 4 5 6 8 10⁷ 2 3 4 5 6 8 10⁸ 45-Rh-101

MAT 4519 MT= 59 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %

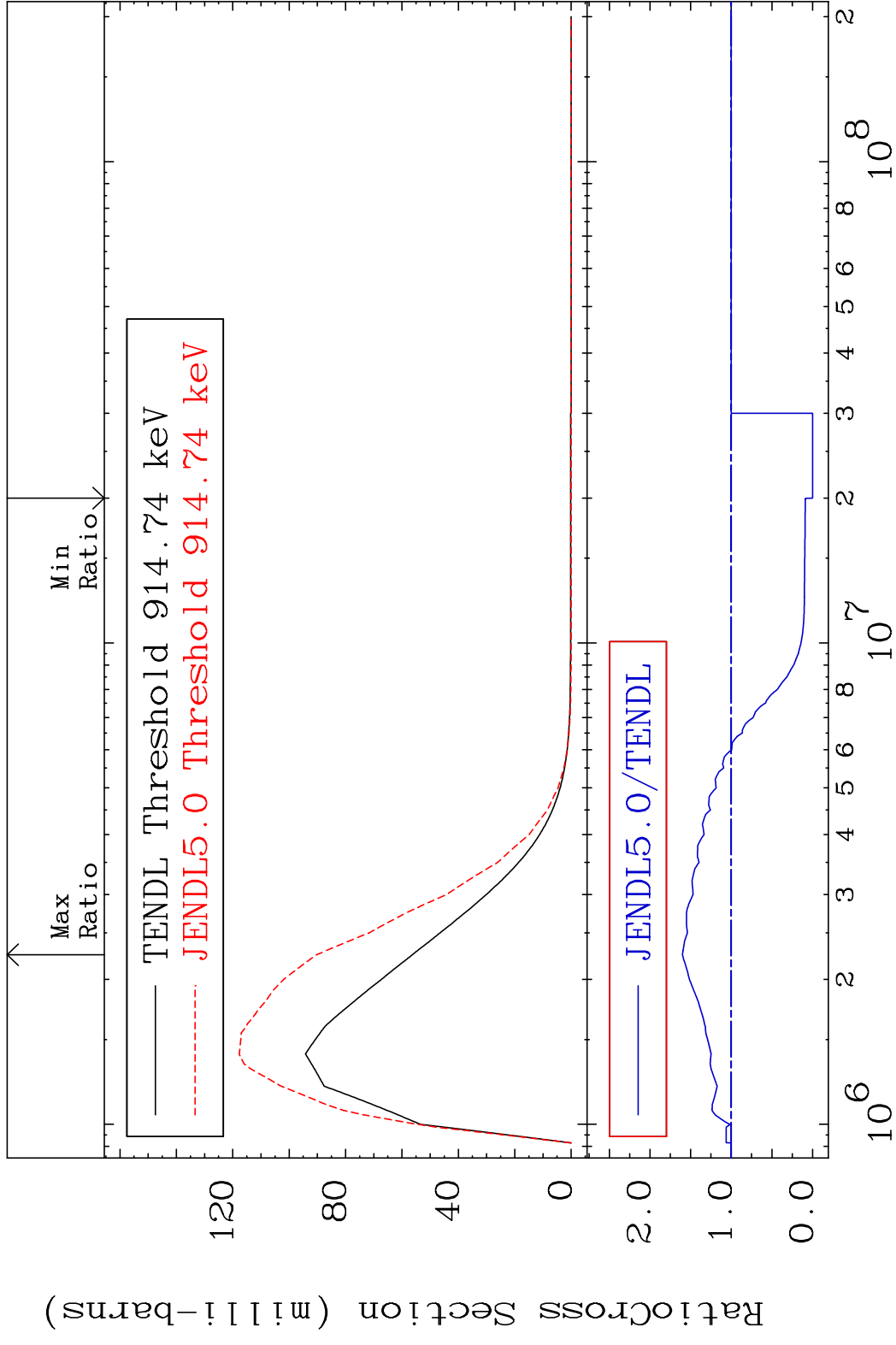


21 Incident Energy (eV) 45-Rh-101

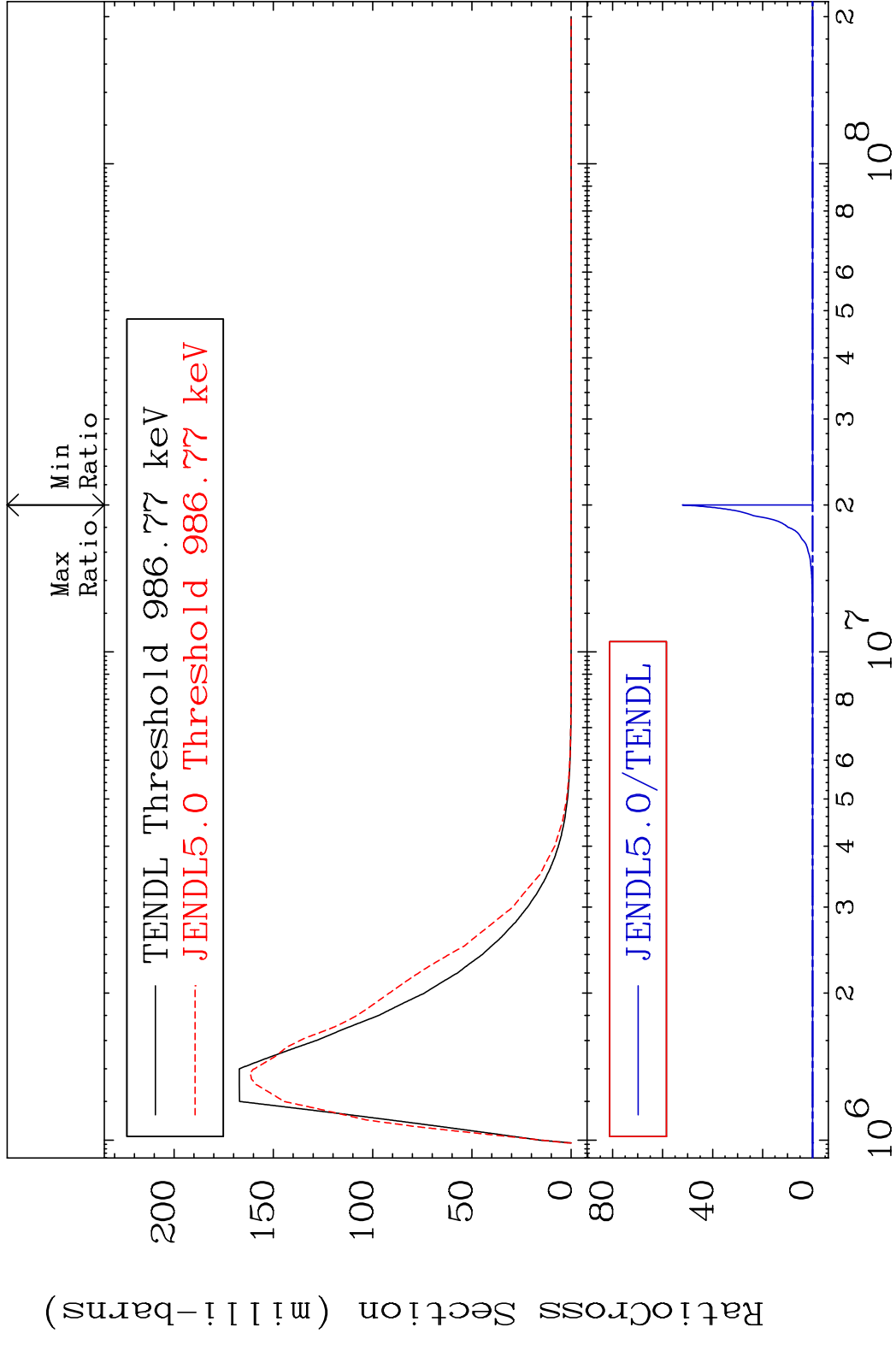
MAT 4519 MT= 60 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %



MAT 4519 MT= 61 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 60.20 %

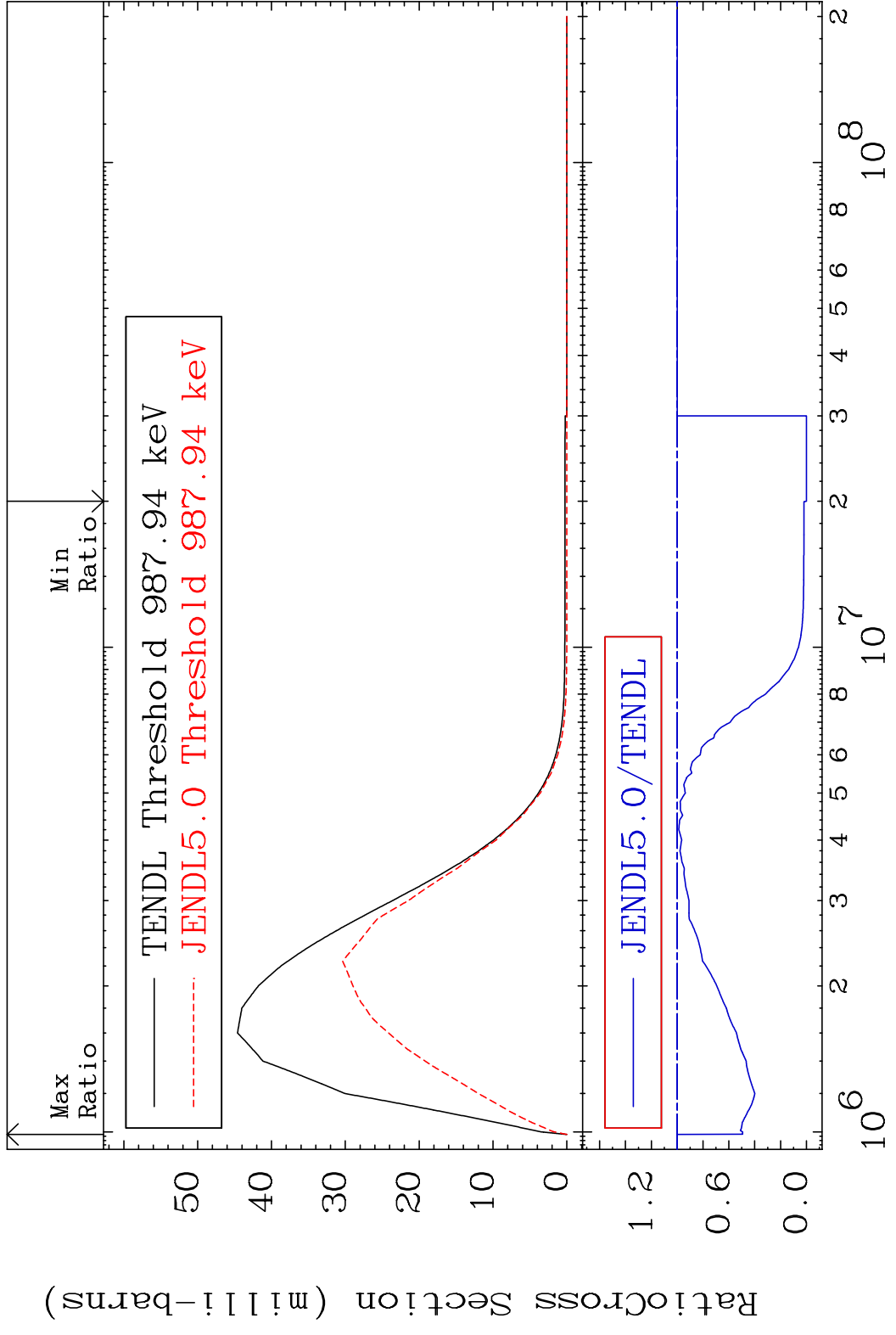


MAT 4519 MT= 62 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 9999. %



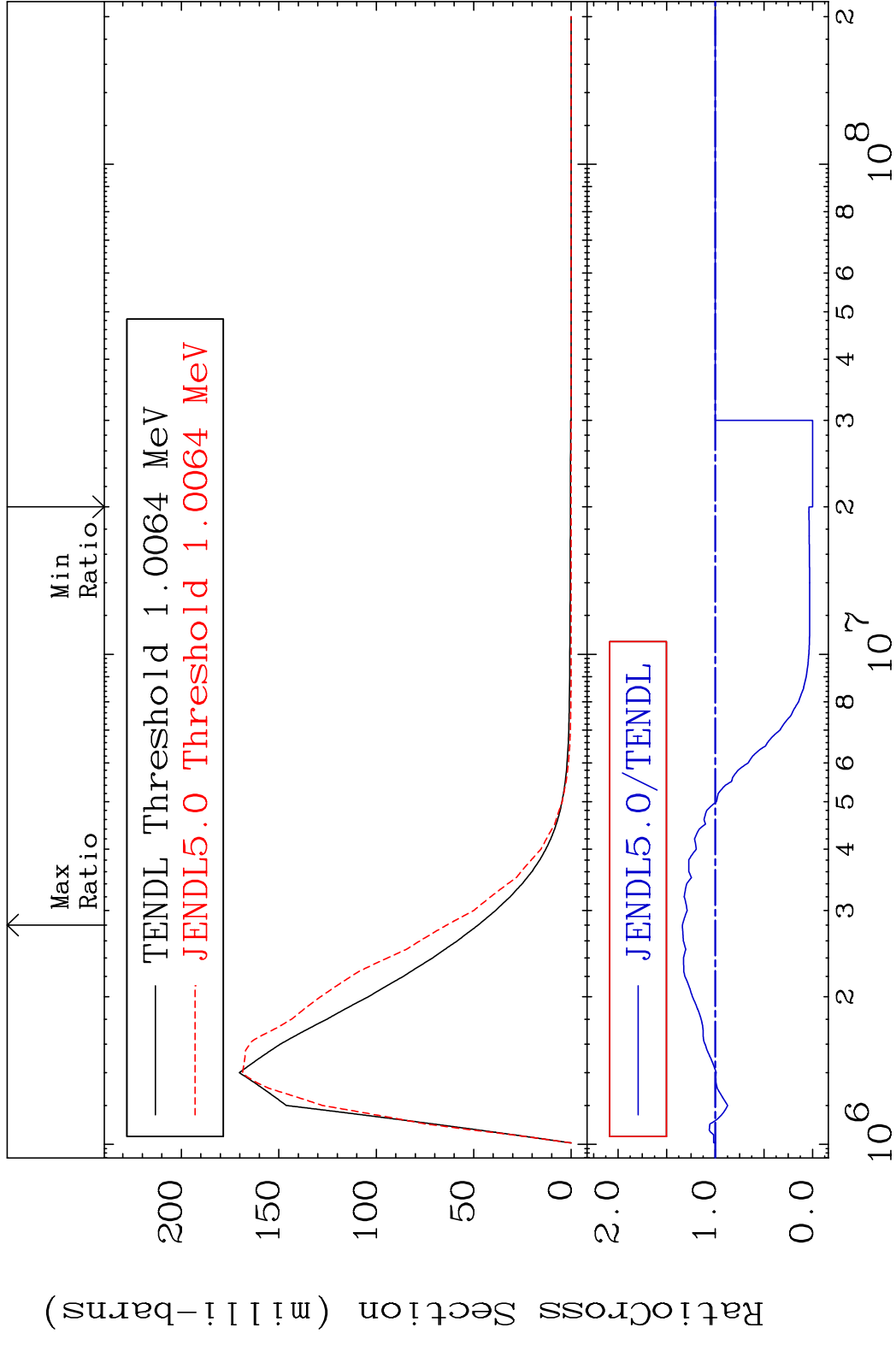
24 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 63 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 0.000 %



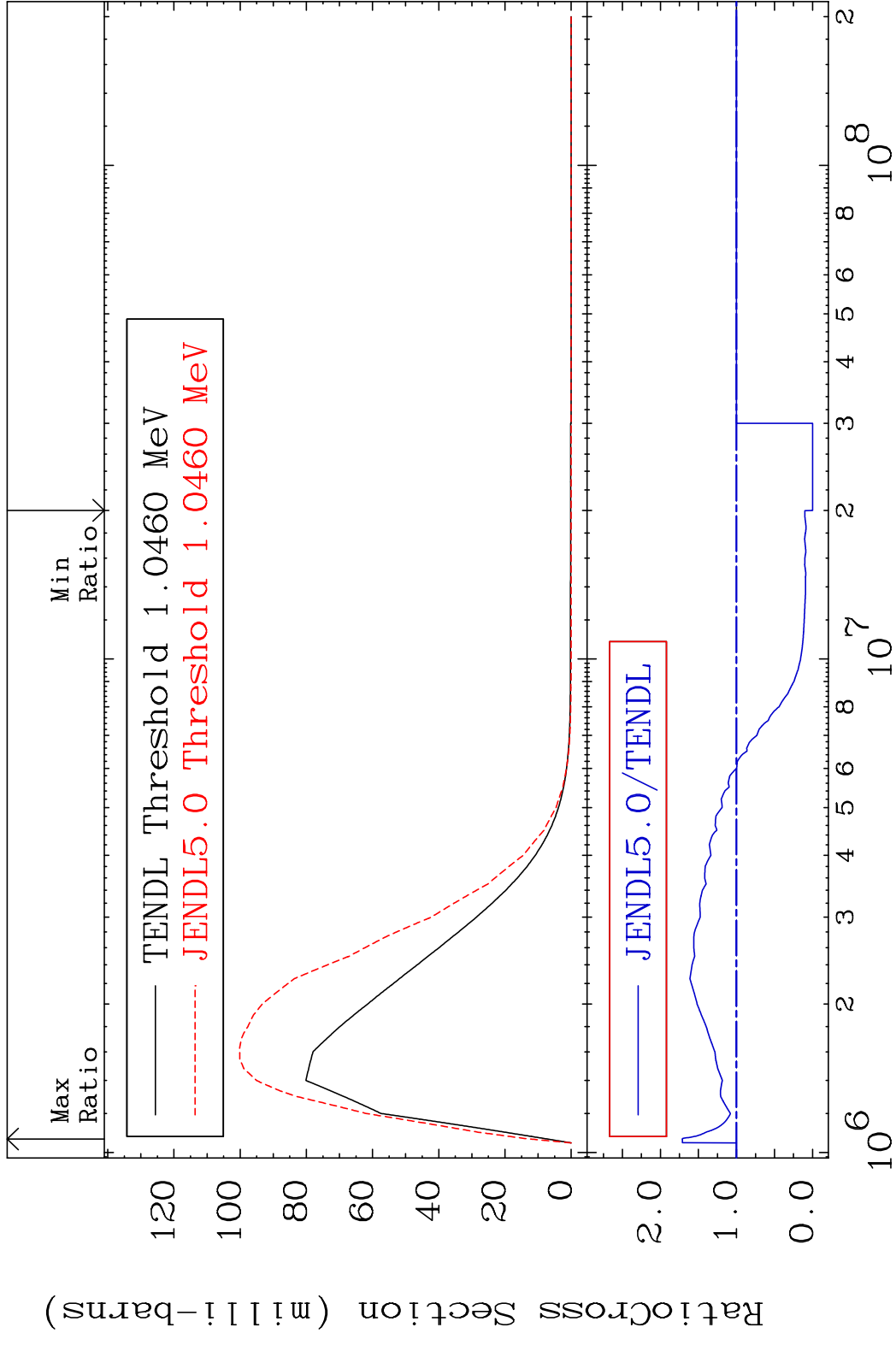
25 45-Rh-101

MAT 4519 MT= 64 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 33.85 %



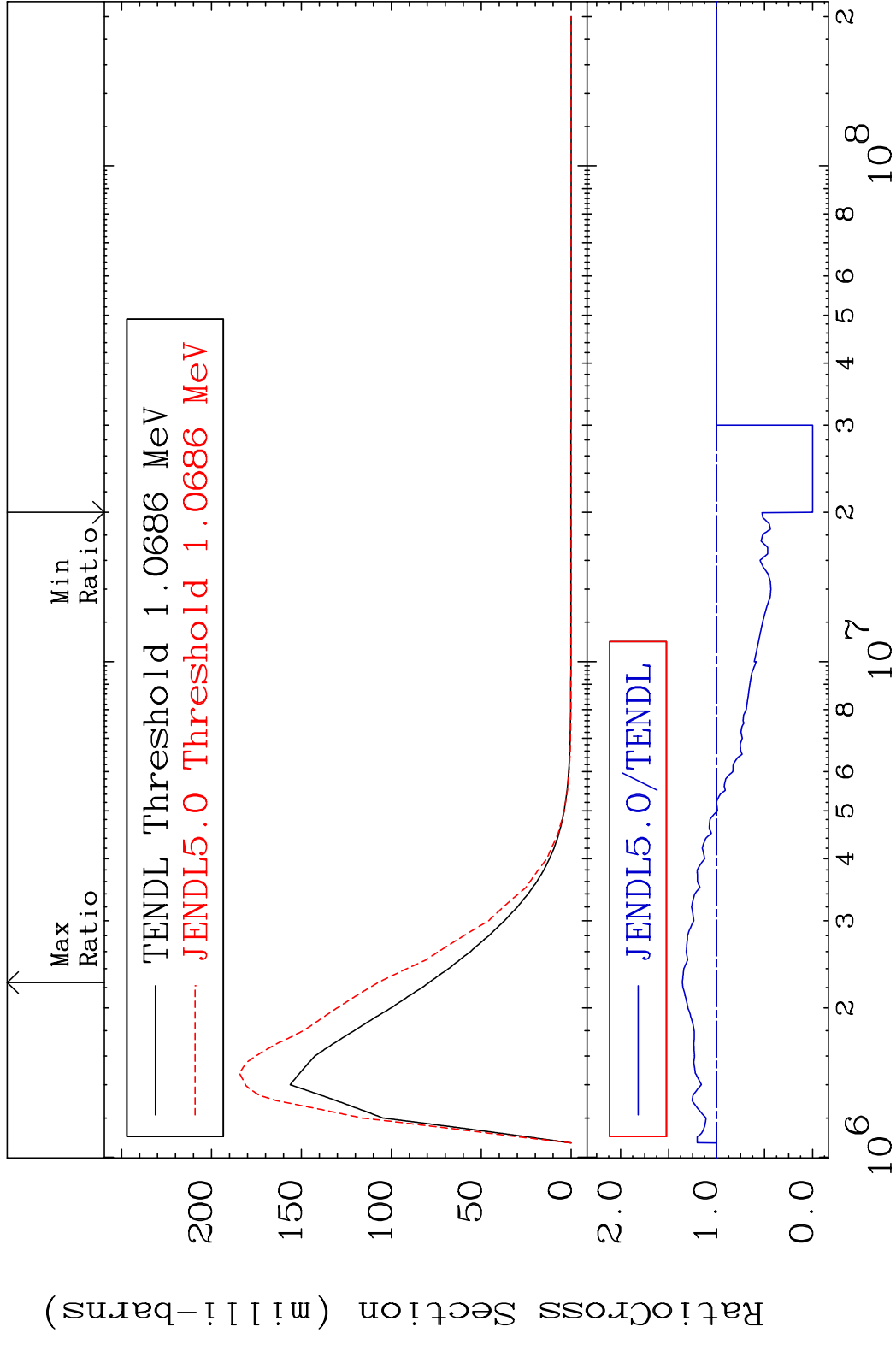
26 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 65 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 71.17 %



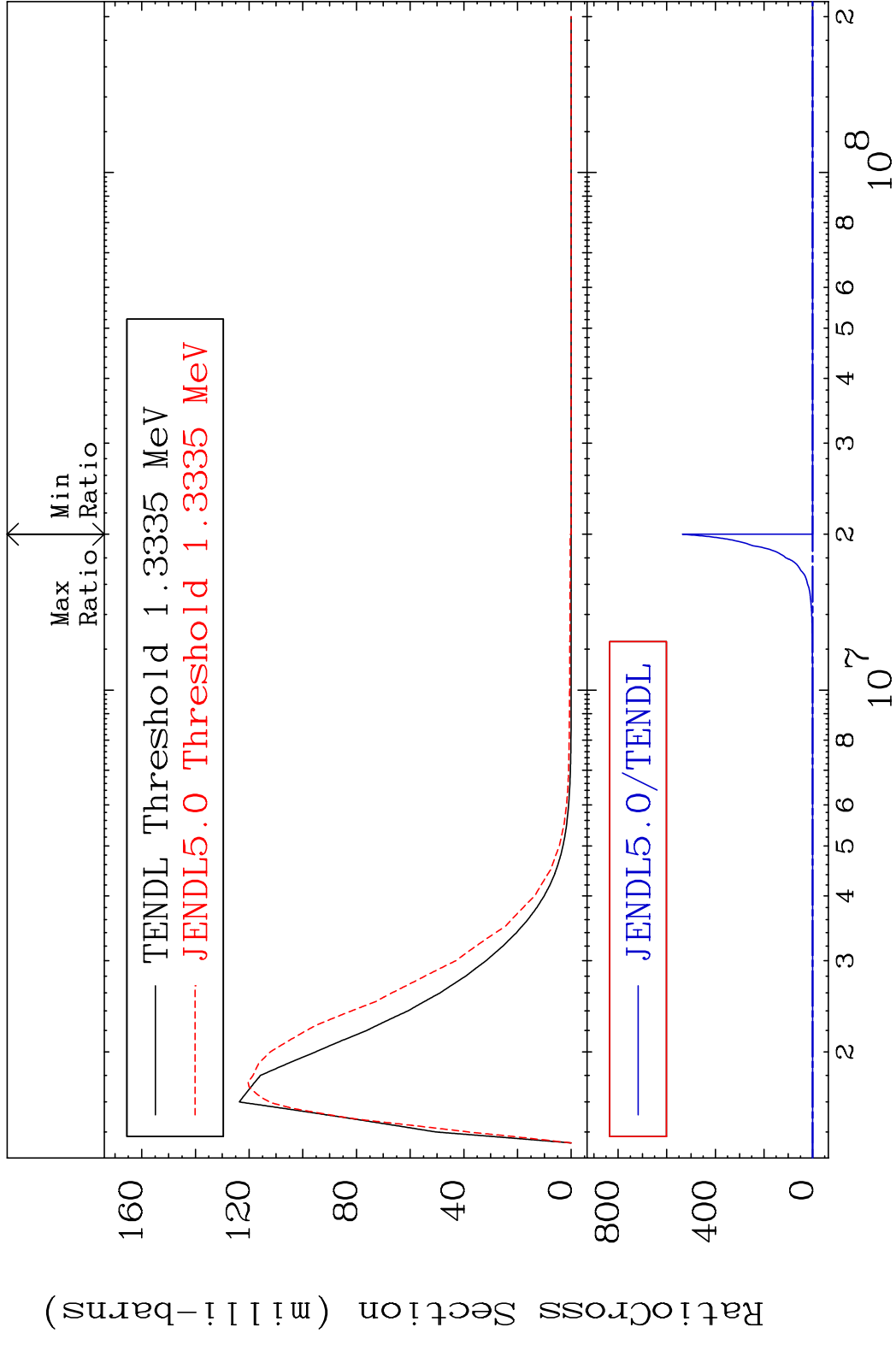
27 Incident Energy (eV) 45-Rh-101

MAT 4519 MT= 66 (n, n') Level 45-Rh-101
 Cross Section -100.0 To 35.71 %



28 Incident Energy (eV) 45-Rh-101

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

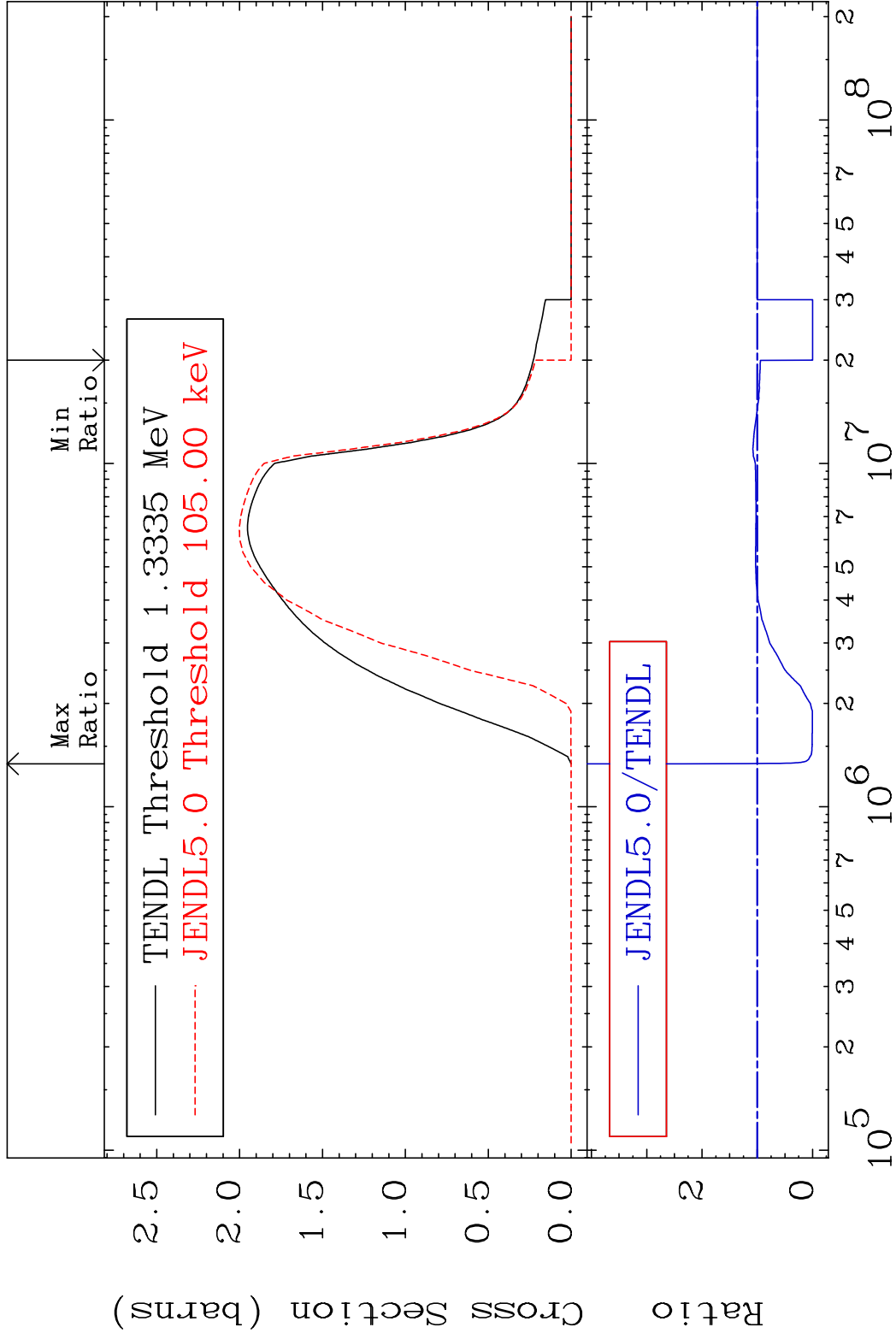


MAT 4519

(n, n') Continuum

45-Rh-101

Cross Section -100.0 To 135.6 %



30

Incident Energy (eV)

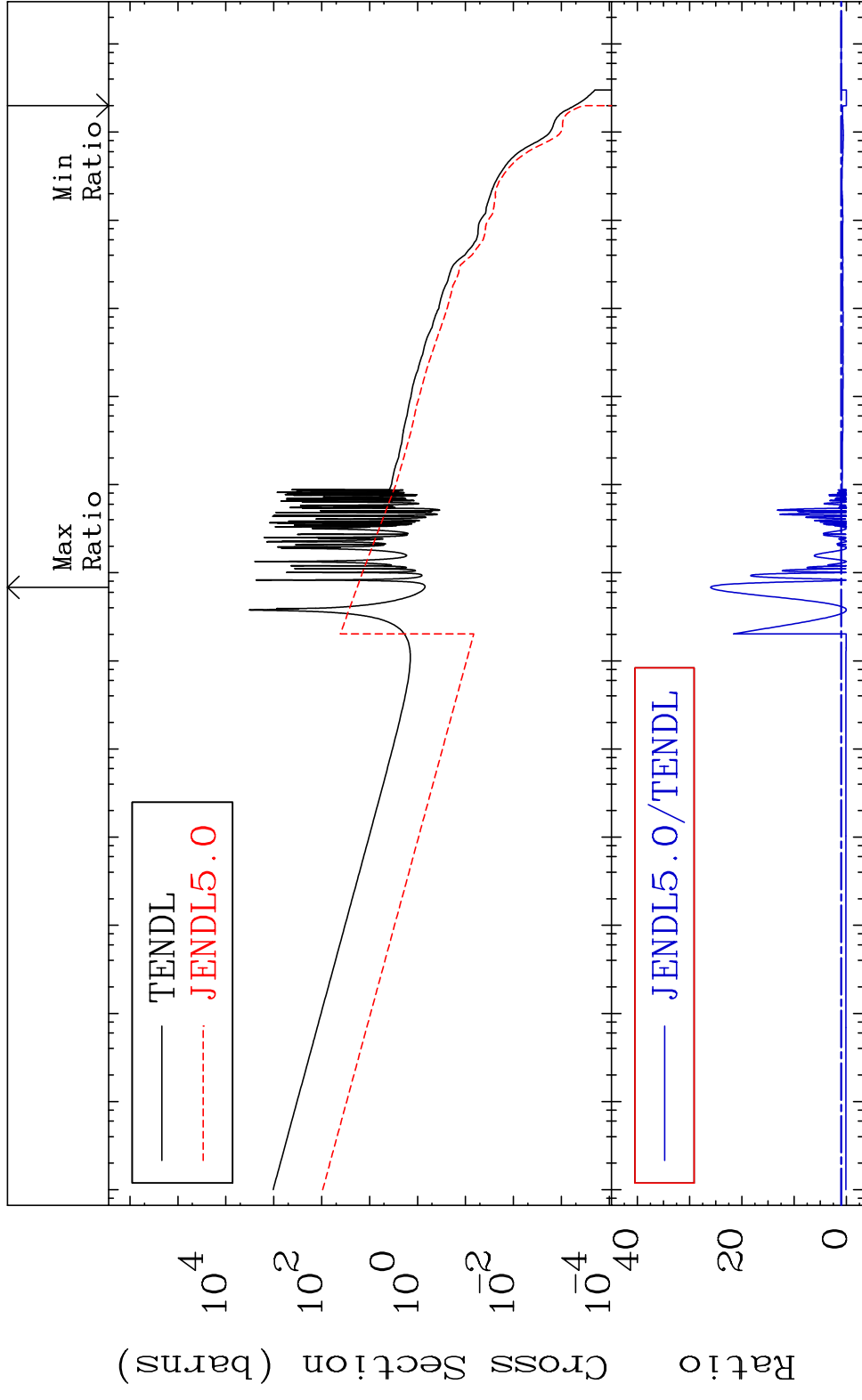
45-Rh-101

MAT 4519

(n, γ)

45-Rh-101

Cross Section -100.0 To 2495. %



31

Incident Energy (eV)

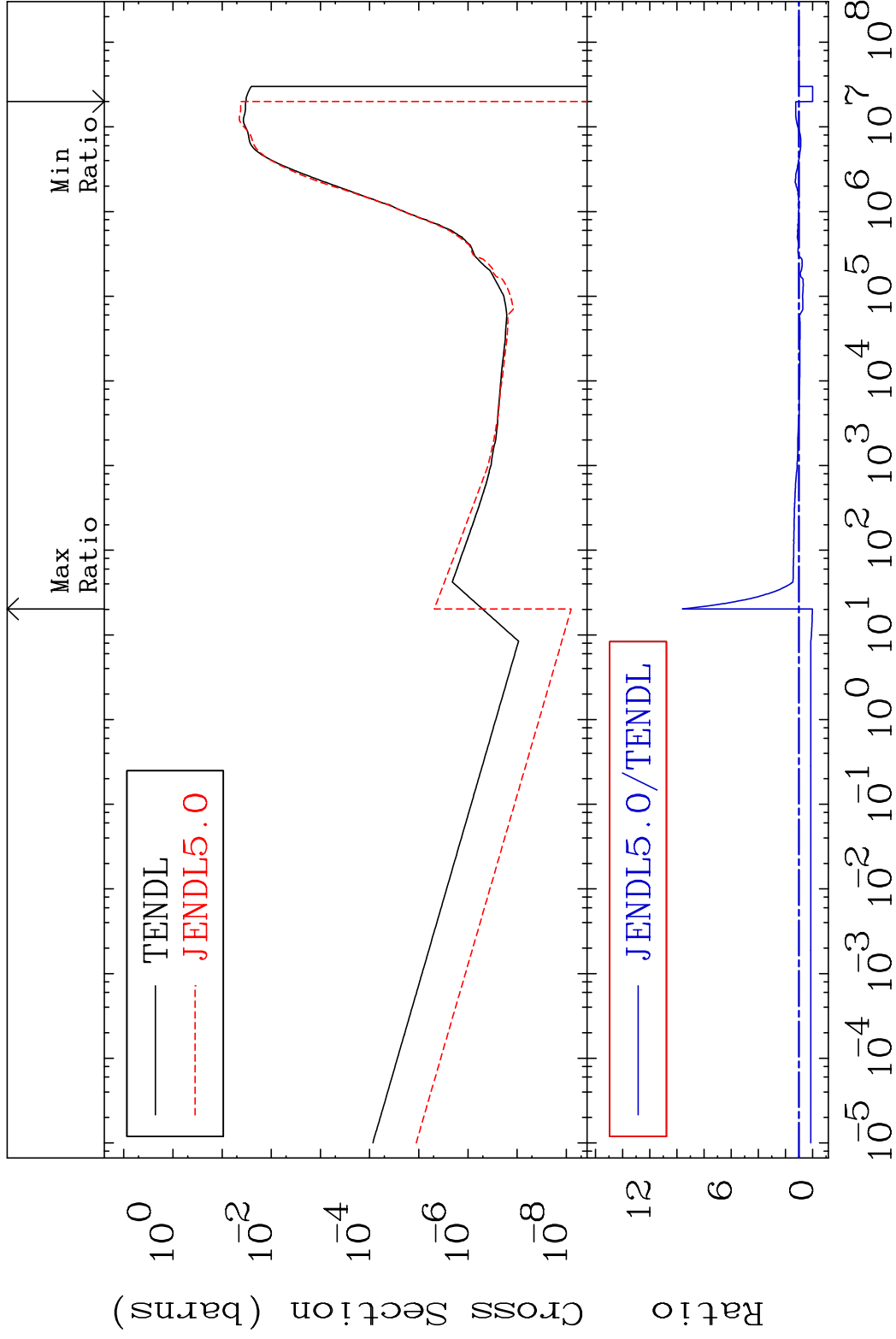
45-Rh-101

MAT 4519

(n, p)

45-Rh-101

Cross Section -100.0 To 859.7 %

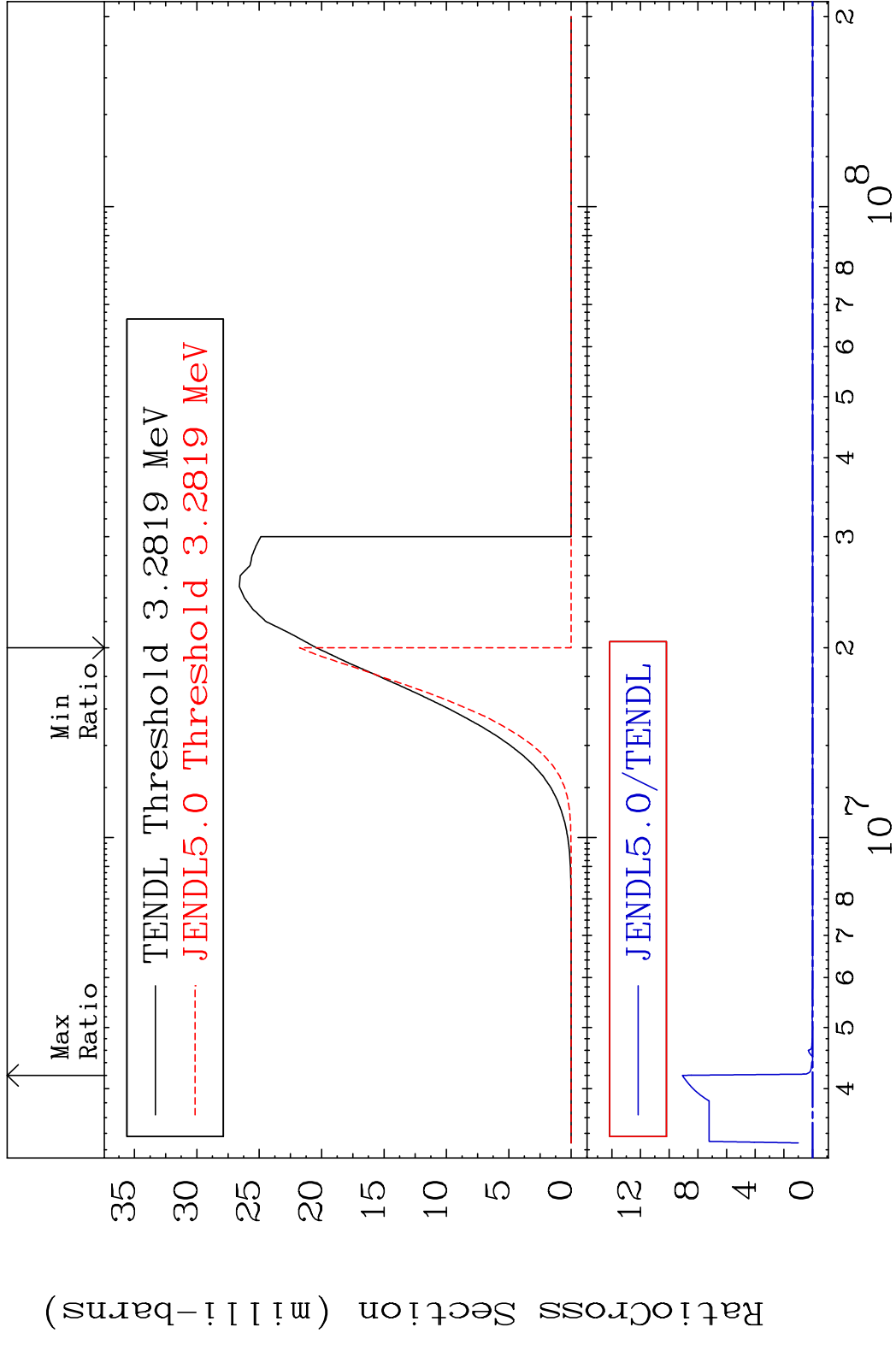


32

Incident Energy (eV)

45-Rh-101

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

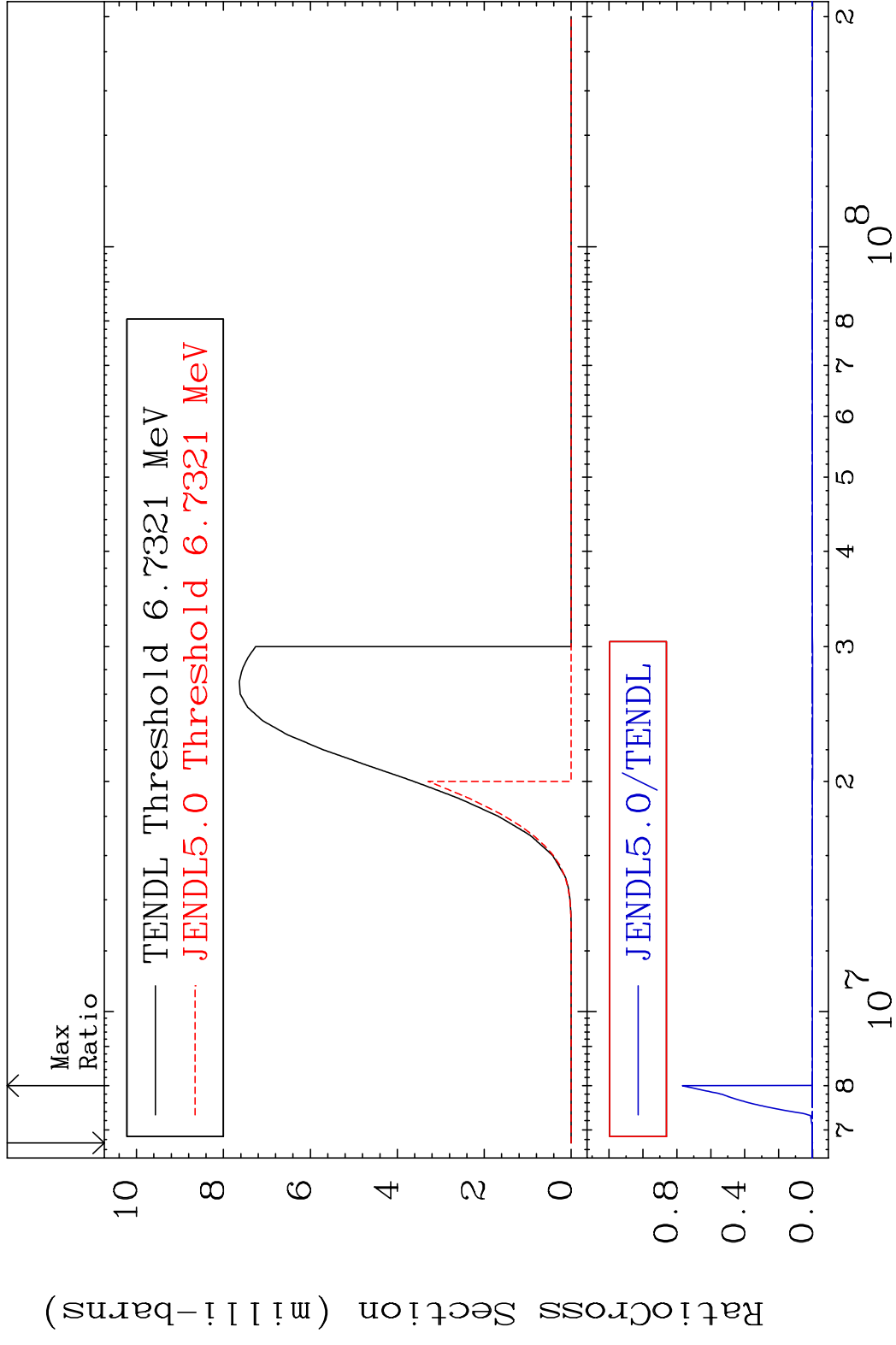


MAT 4519

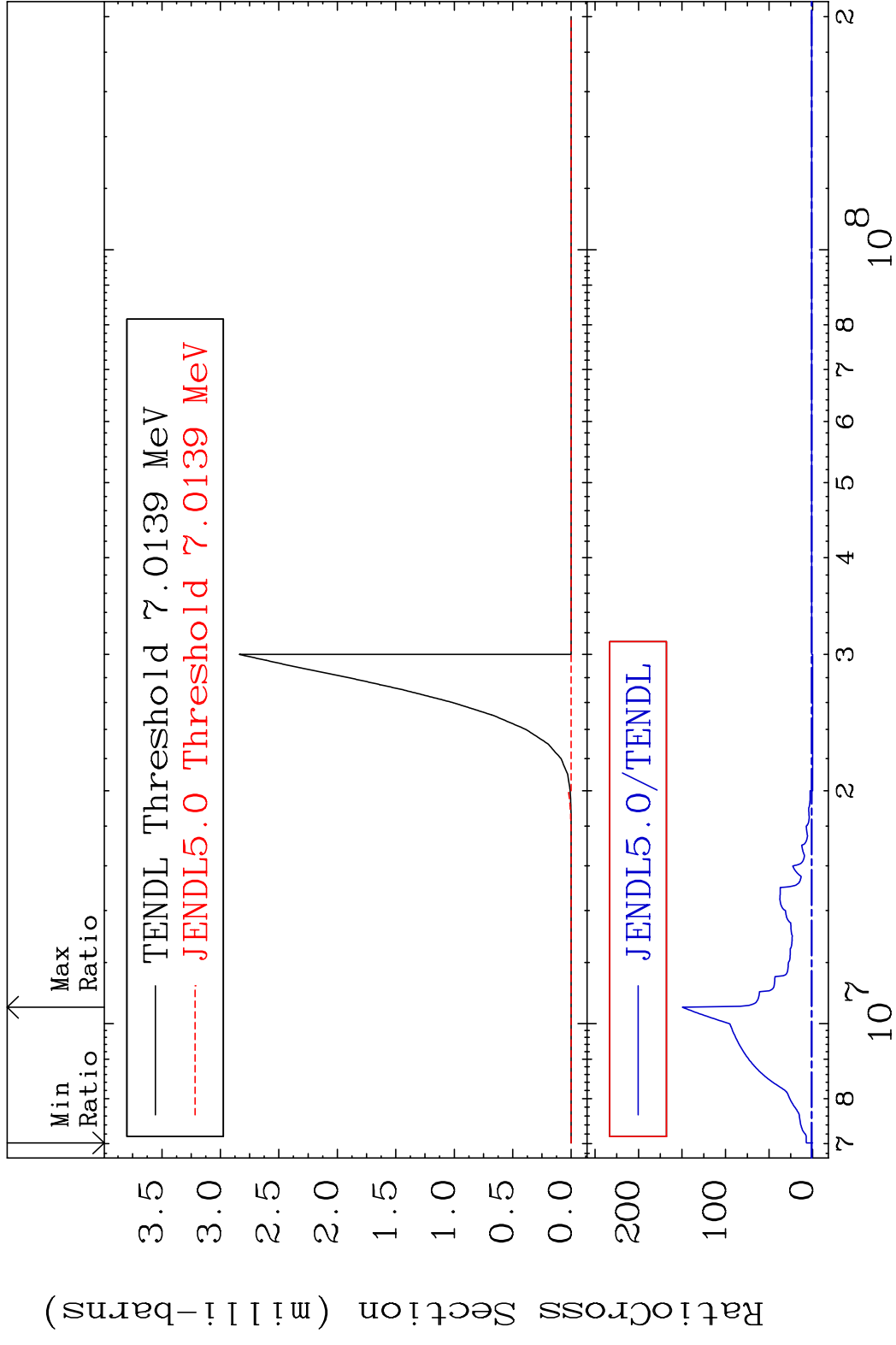
(n, t)

45-Rh-101

Cross Section -100.0 To 9999. %



MAT 4519 (n, He-3) 45-Rh-101
 Cross Section -100.0 To 9999. %

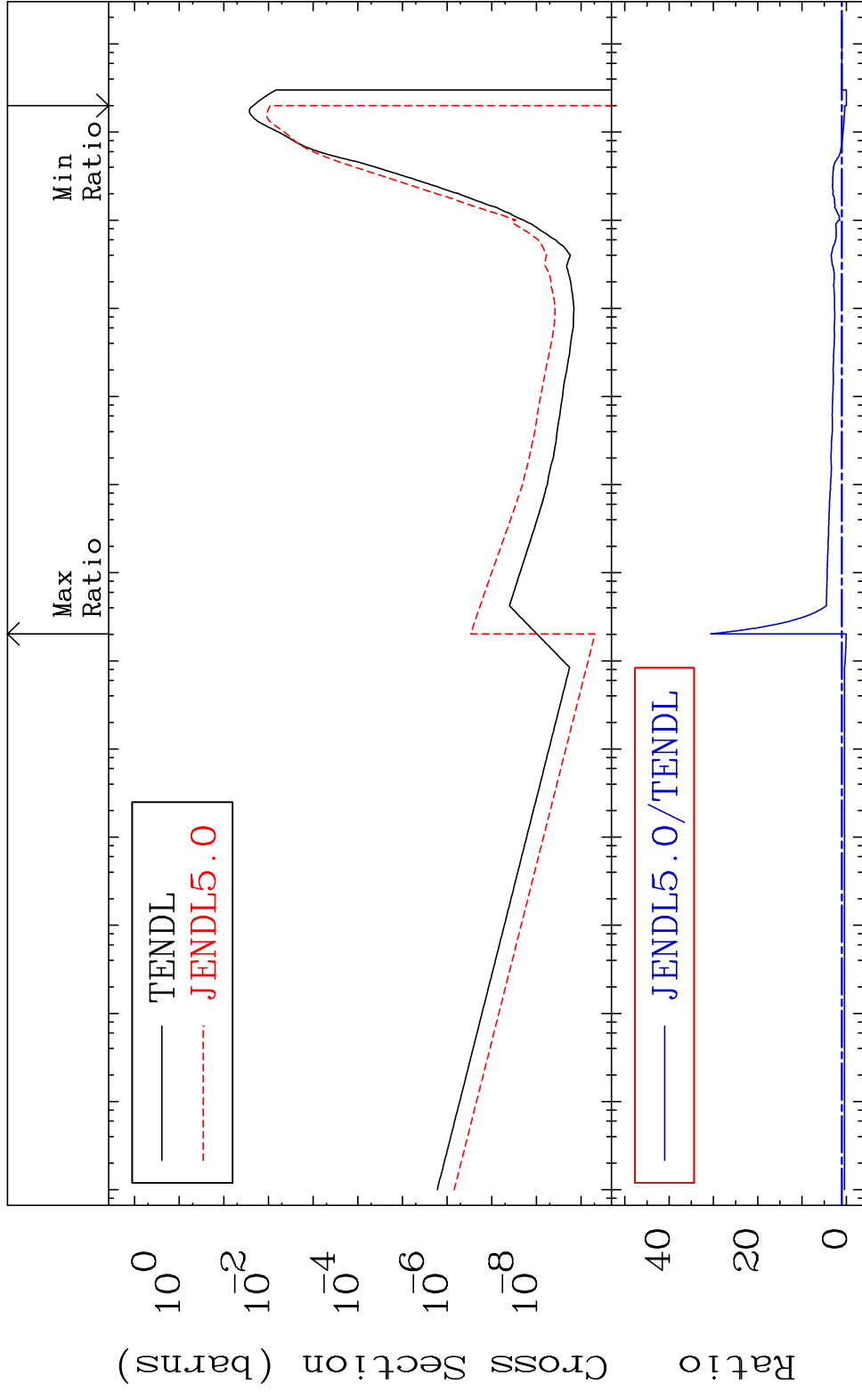


MAT 4519

45-Rh-101

(n, α)

Cross Section -100.0 To 2962. %



36

Incident Energy (eV)

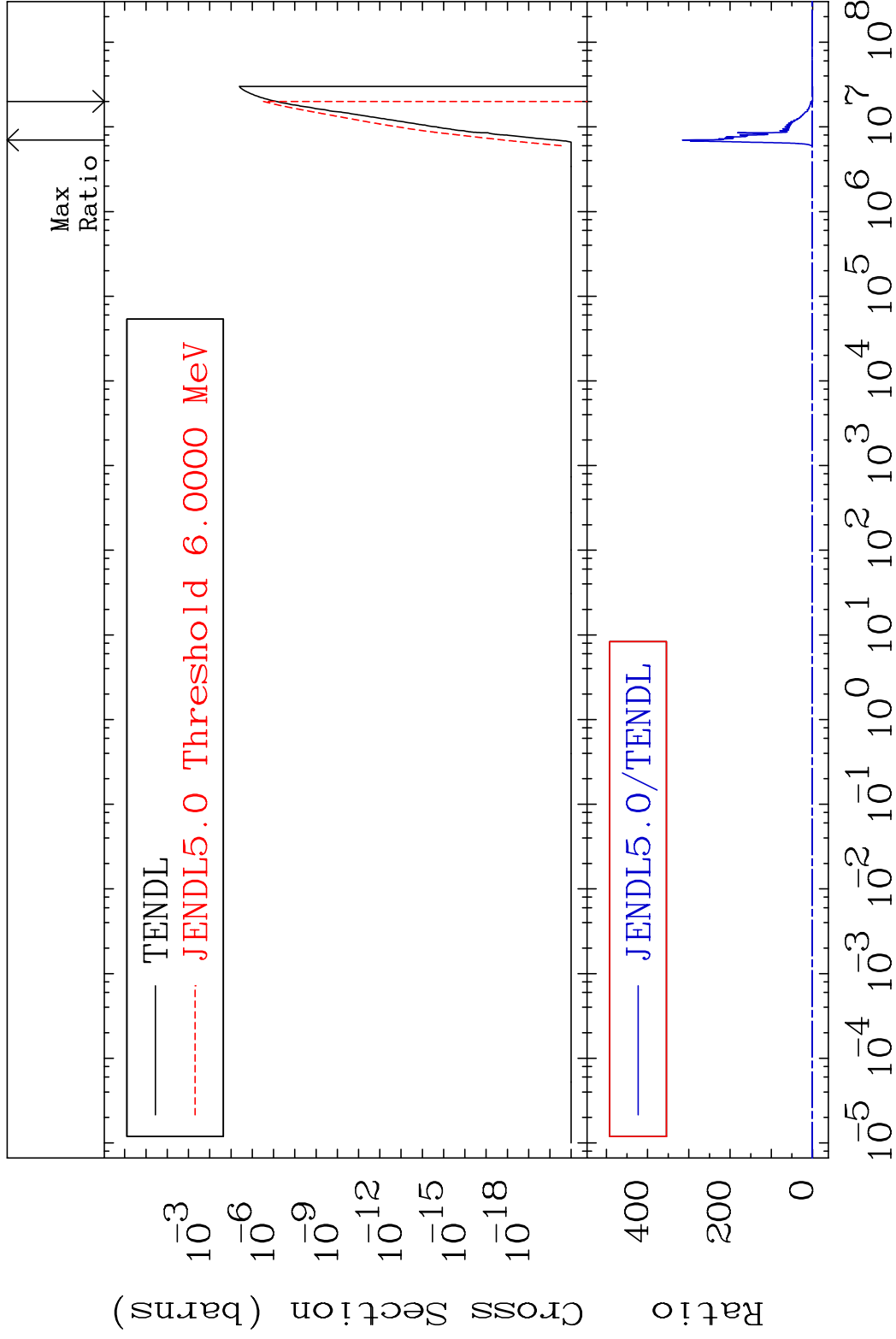
45-Rh-101

MAT 4519

(n,2α)

45-Rh-101

Cross Section -100.0 To 9999. %

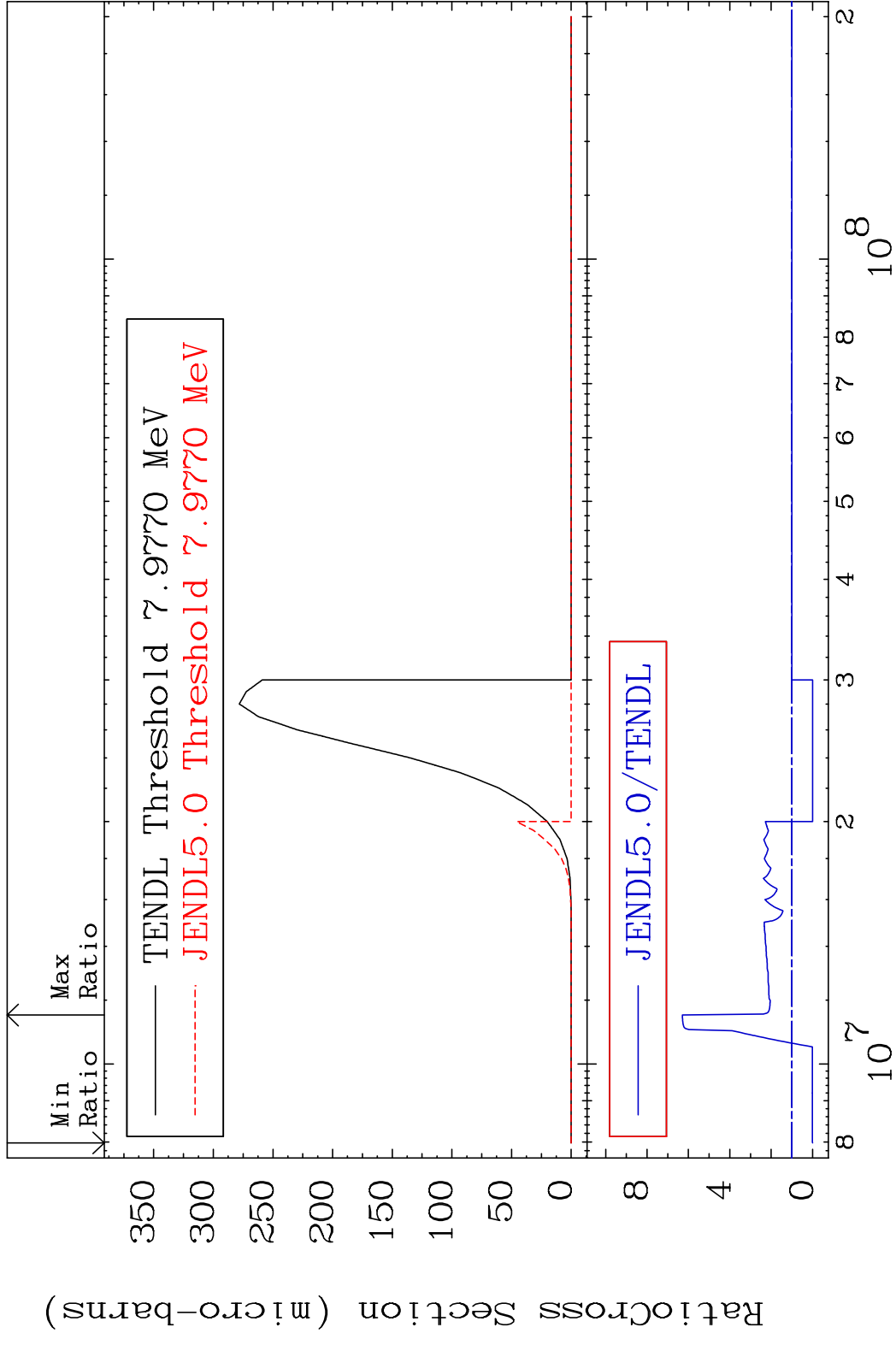


37

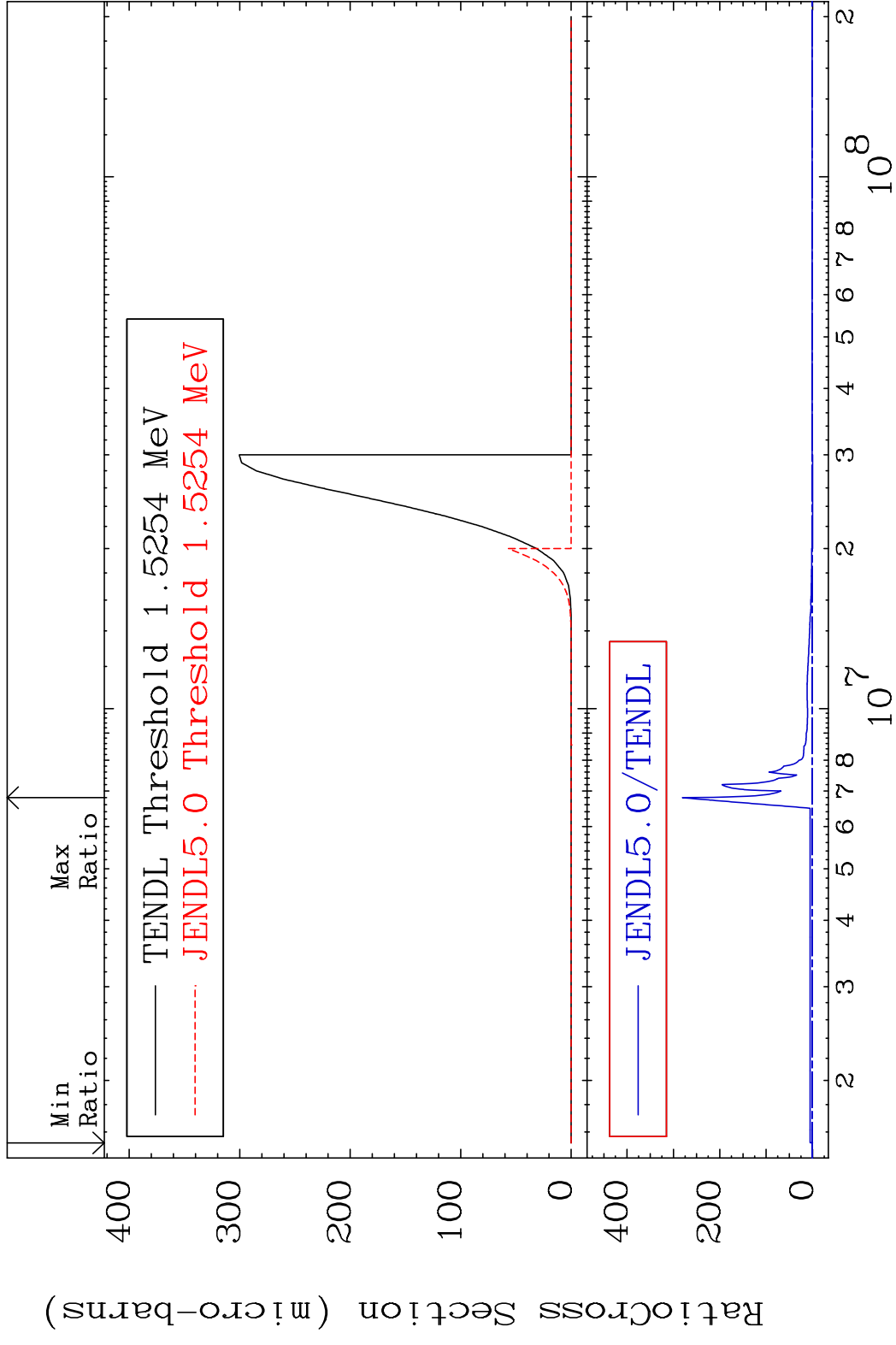
Incident Energy (eV)

45-Rh-101

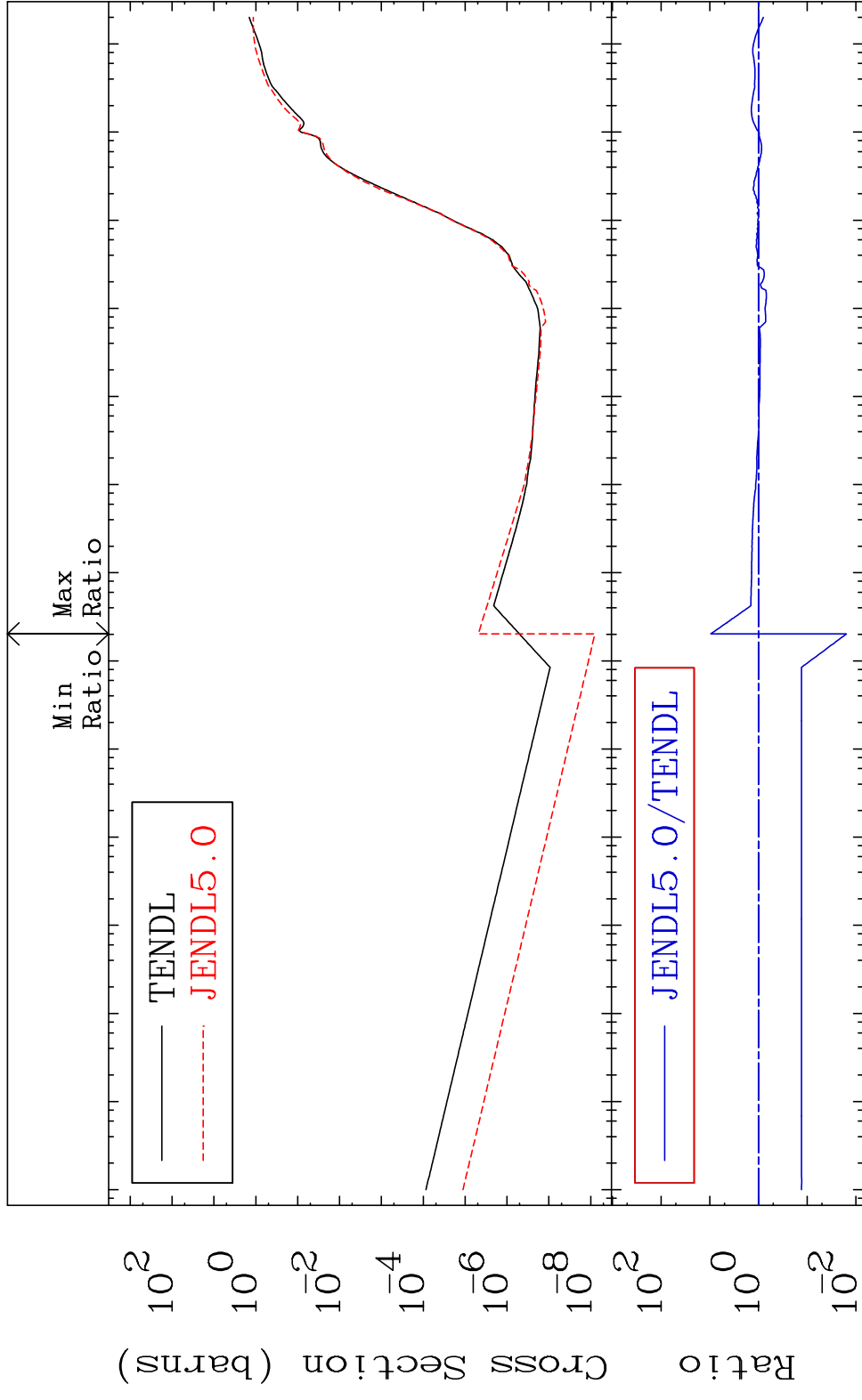
MAT 4519 (n,2p) 45-Rh-101
 Cross Section -100.0 To 529.3 %



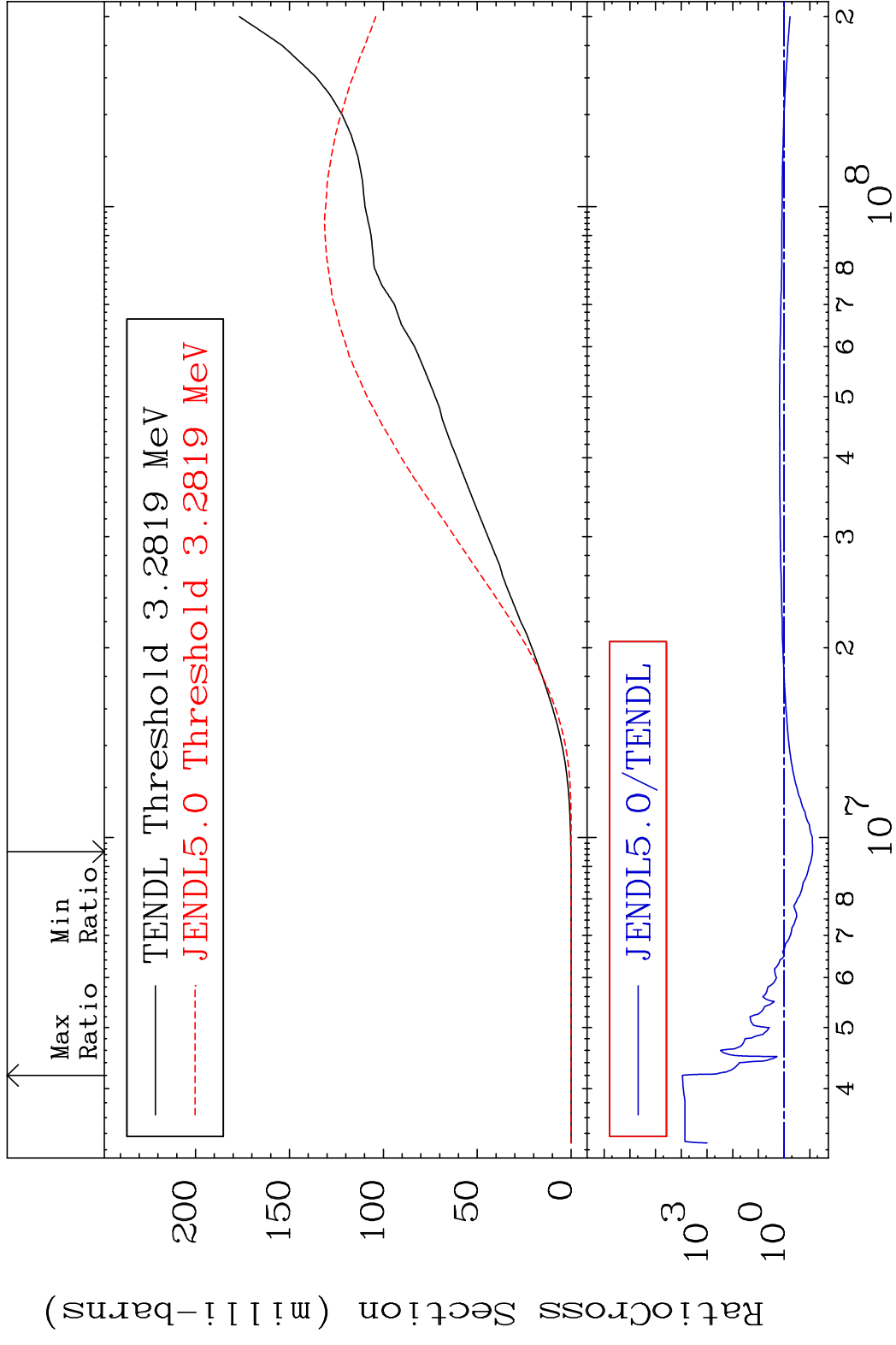
MAT 4519 (n,p) α 45-Rh-101
 Cross Section -100.0 To 9999. %



MAT 4519 Hydrogen Production 45-Rh-101
 Cross Section -98.42 To 859.7 %

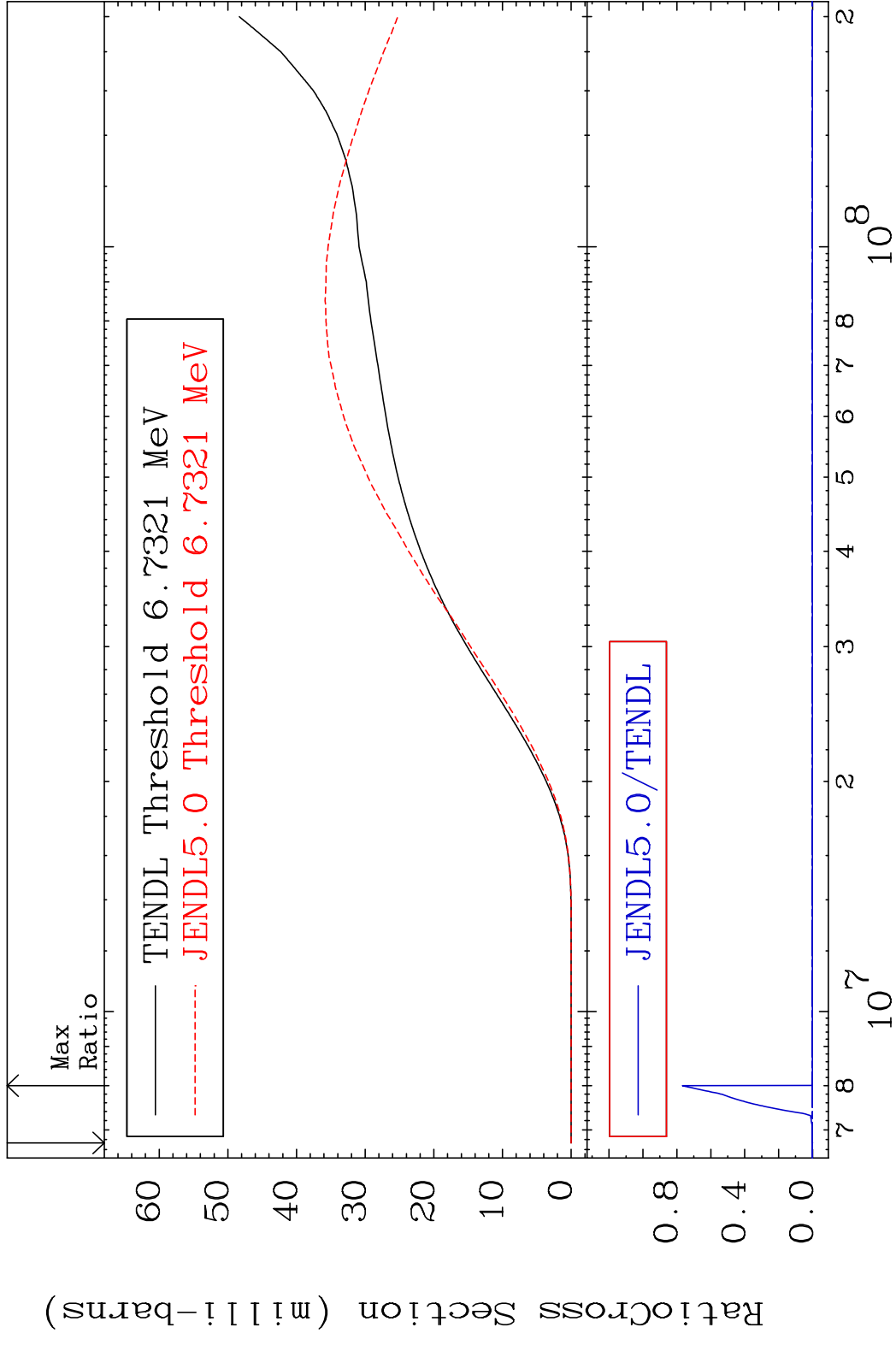


40 Incident Energy (eV) 45-Rh-101



MAT 4519

Tritium Production 45-Rh-101
Cross Section -100.0 To 9999. %



42

Incident Energy (eV)

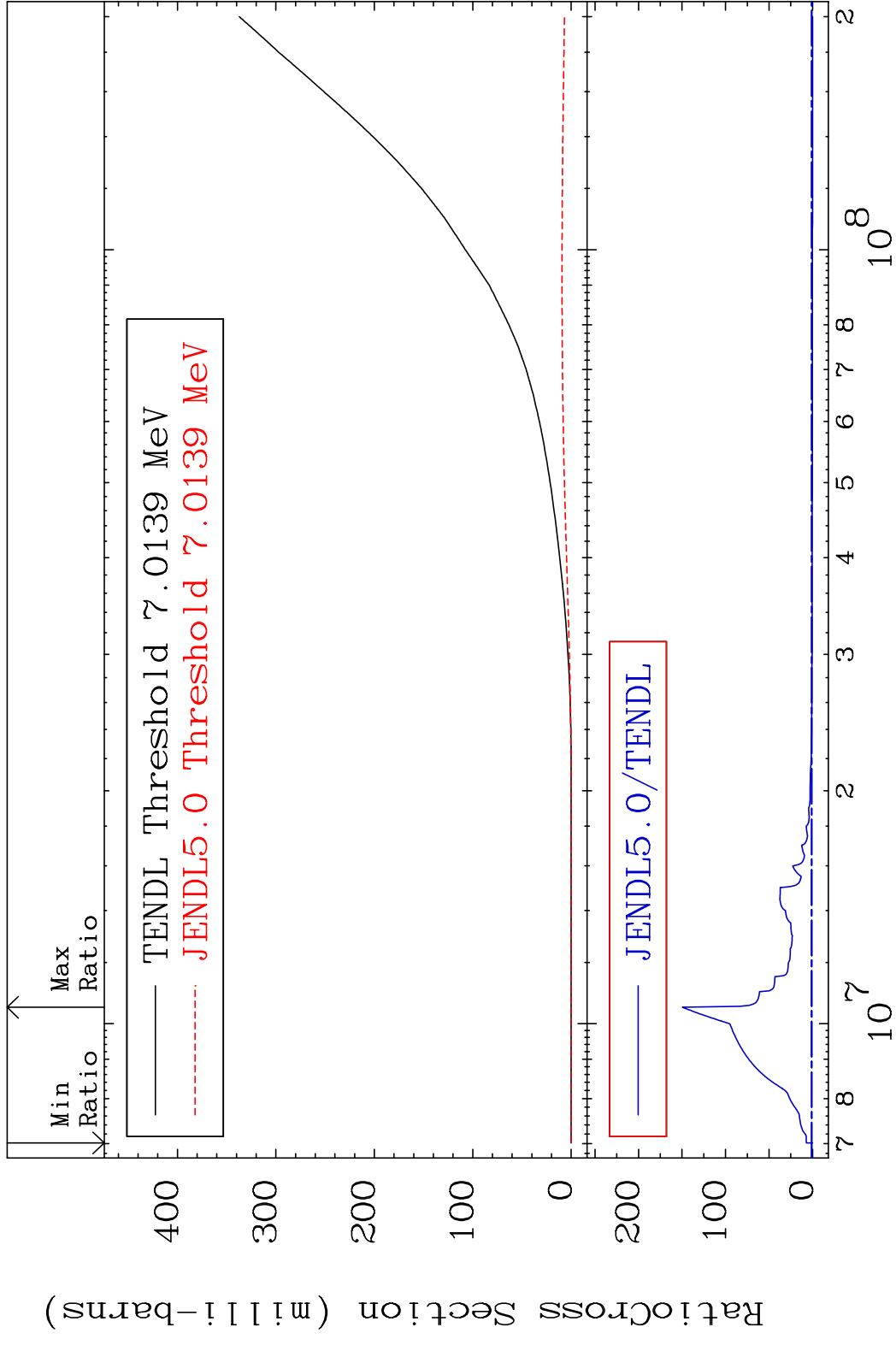
45-Rh-101

MAT 4519

He-3 Production

45-Rh-101

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

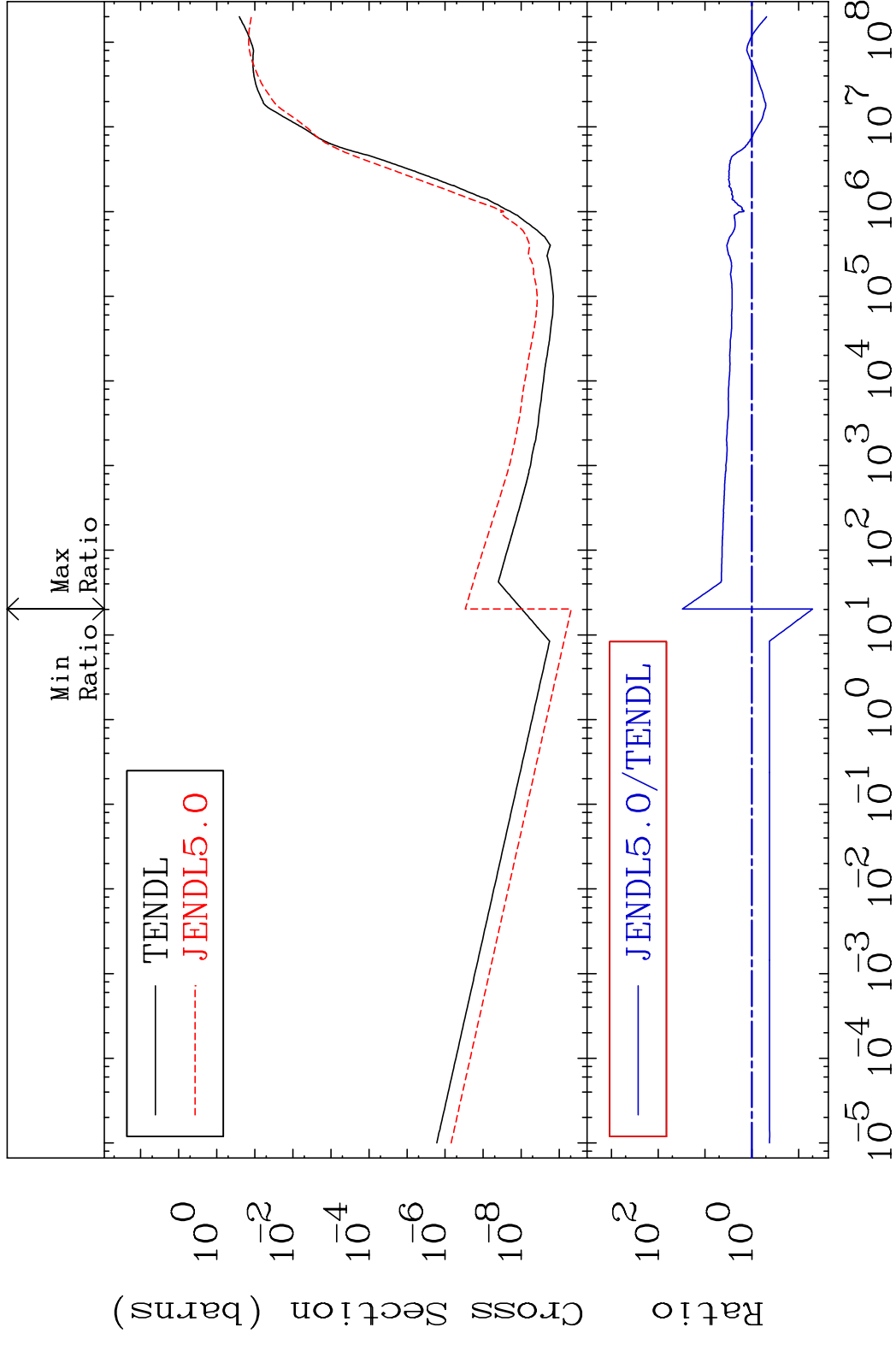
45-Rh-101

MAT 4519

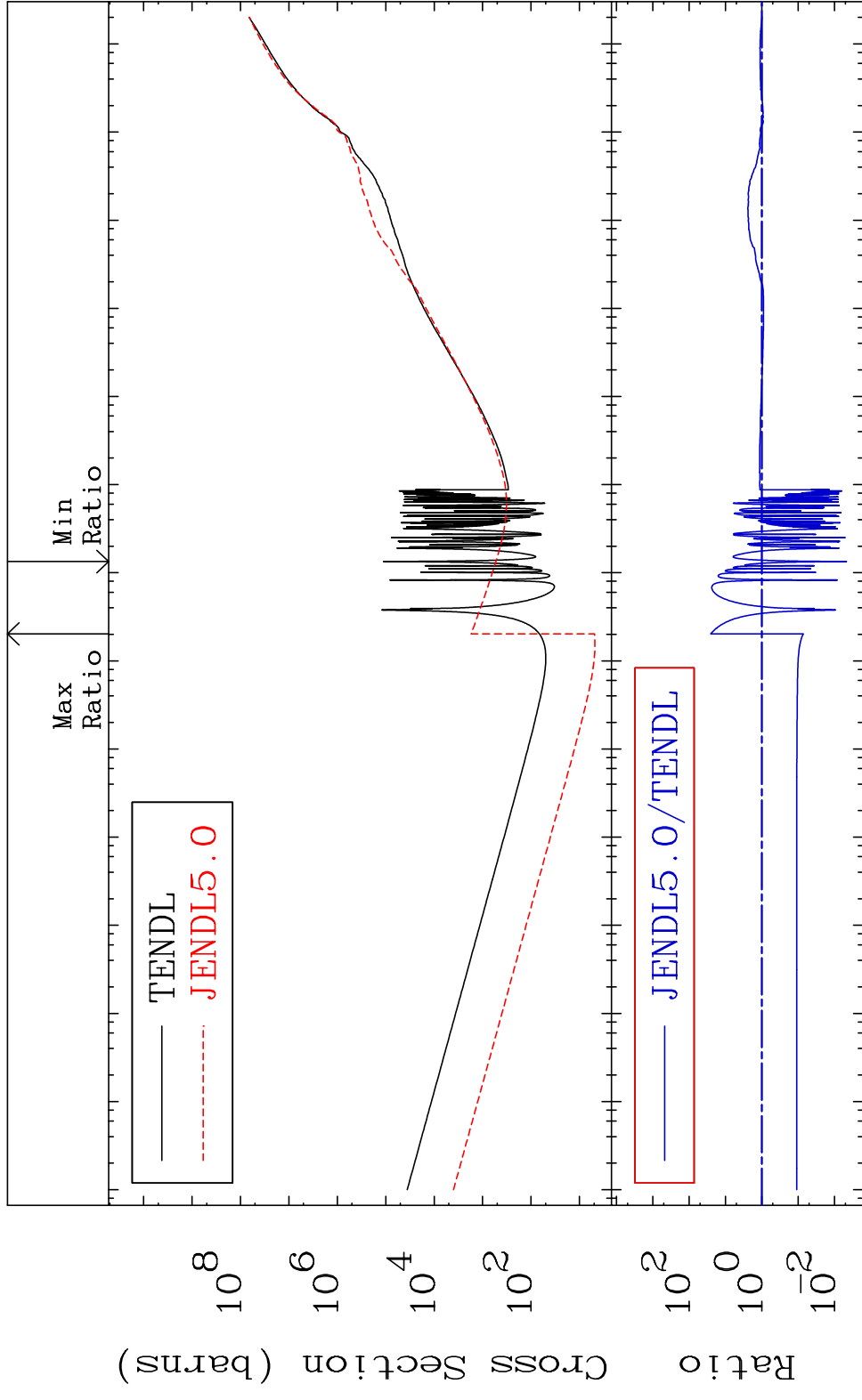
He-4 Production

45-Rh-101

Cross Section -94.97 To 2962. %



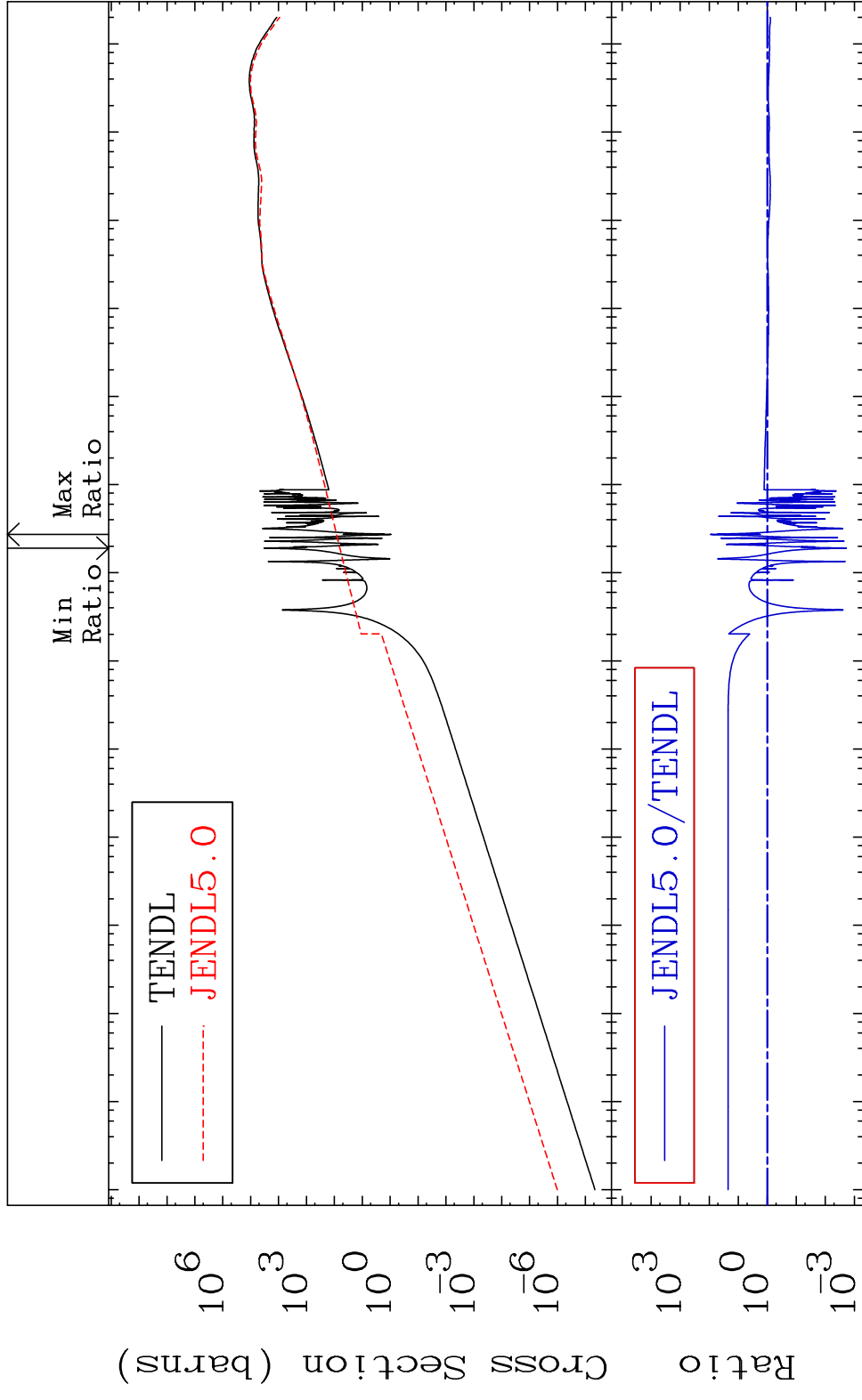
MAT 4519 Kerma total (eV-barns) 45-Rh-101
 Cross Section -99.53 To 2463. %



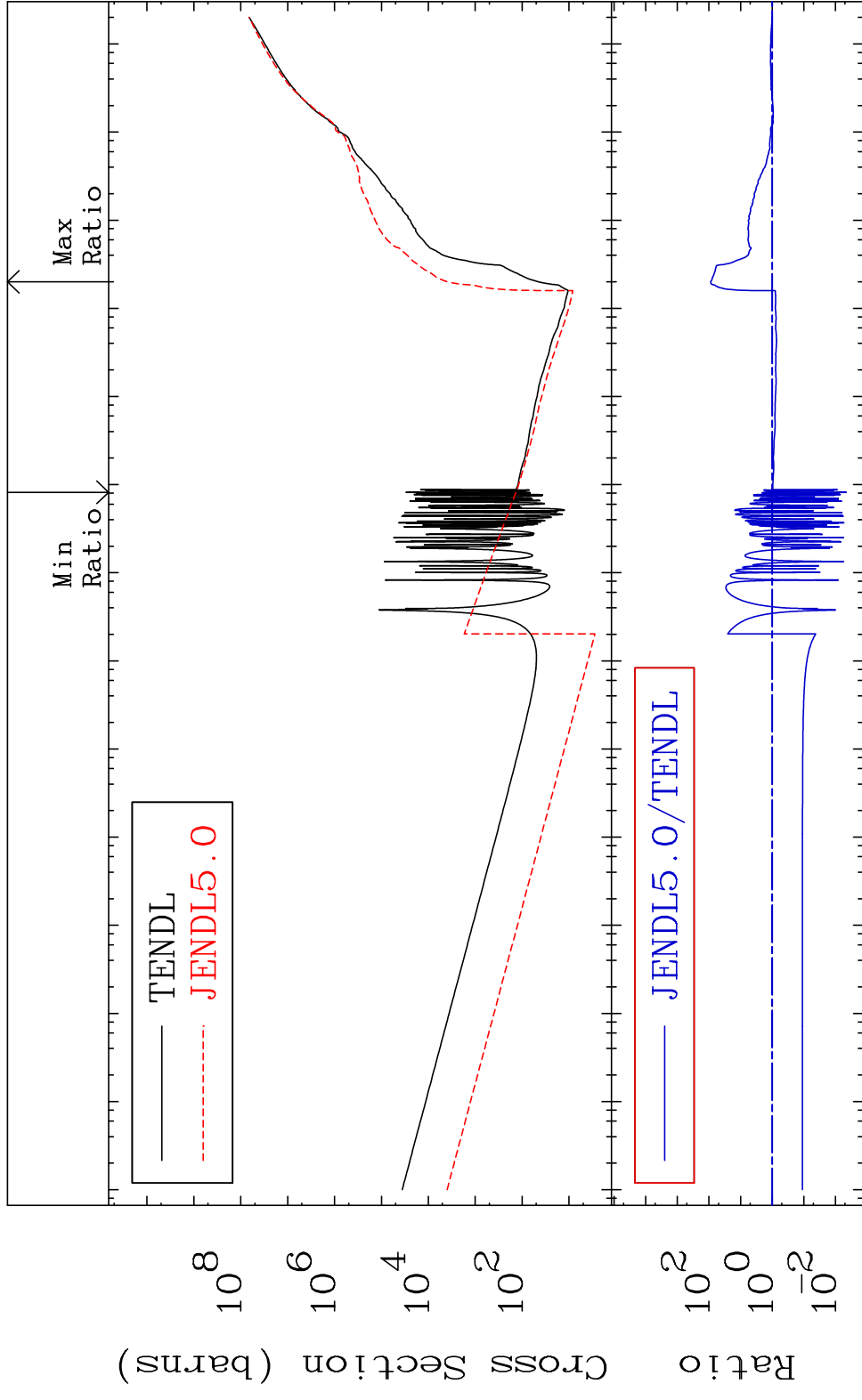
45 Incident Energy (eV) 45-Rh-101

MAT 4519

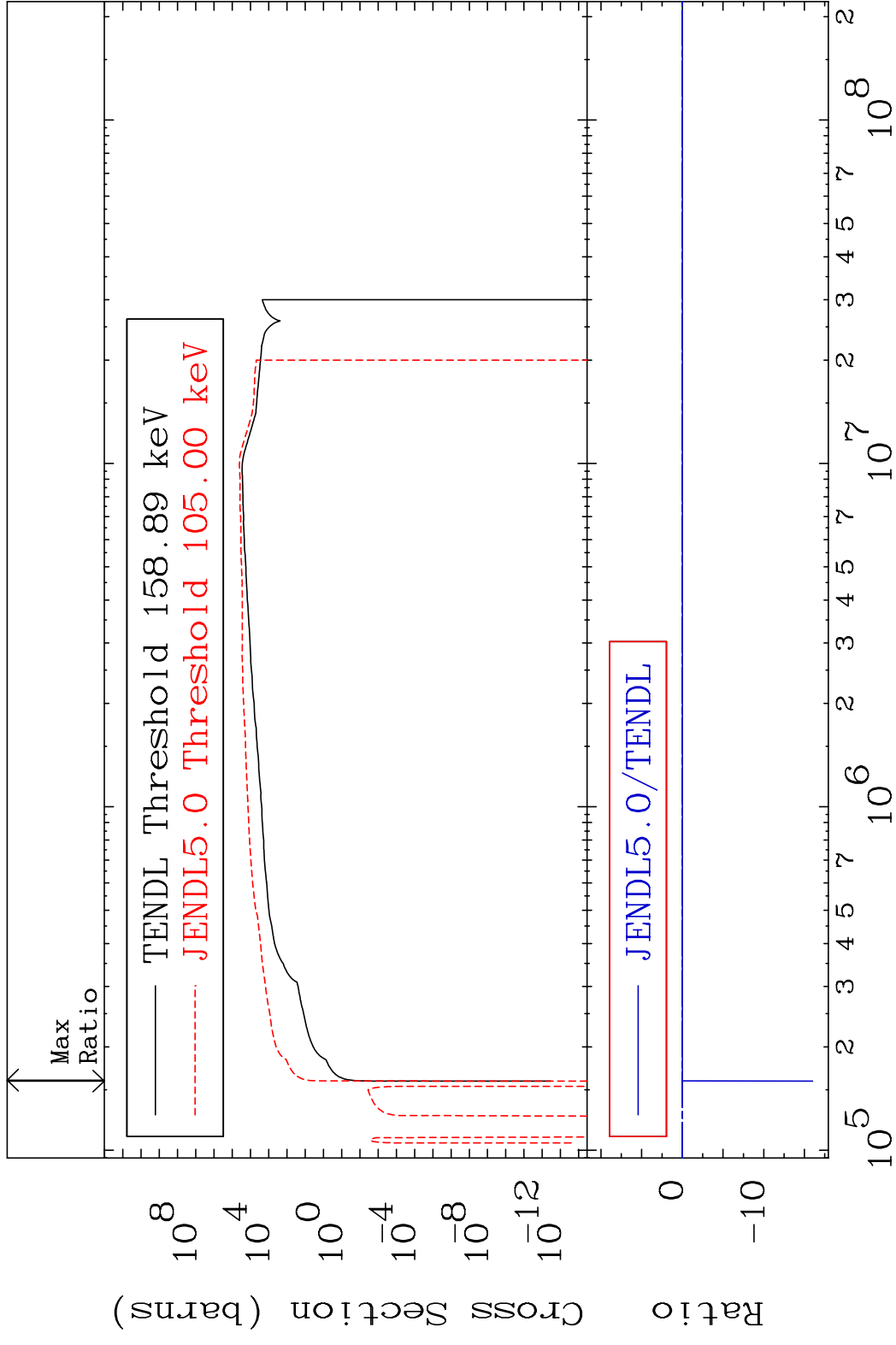
Kerma elastic Cross Section -99.81 To 8793. %
45-Rh-101



MAT 4519 Kerma non-elastic (all but mt2) 45-Rh-101
 Cross Section -99.54 To 8700. %

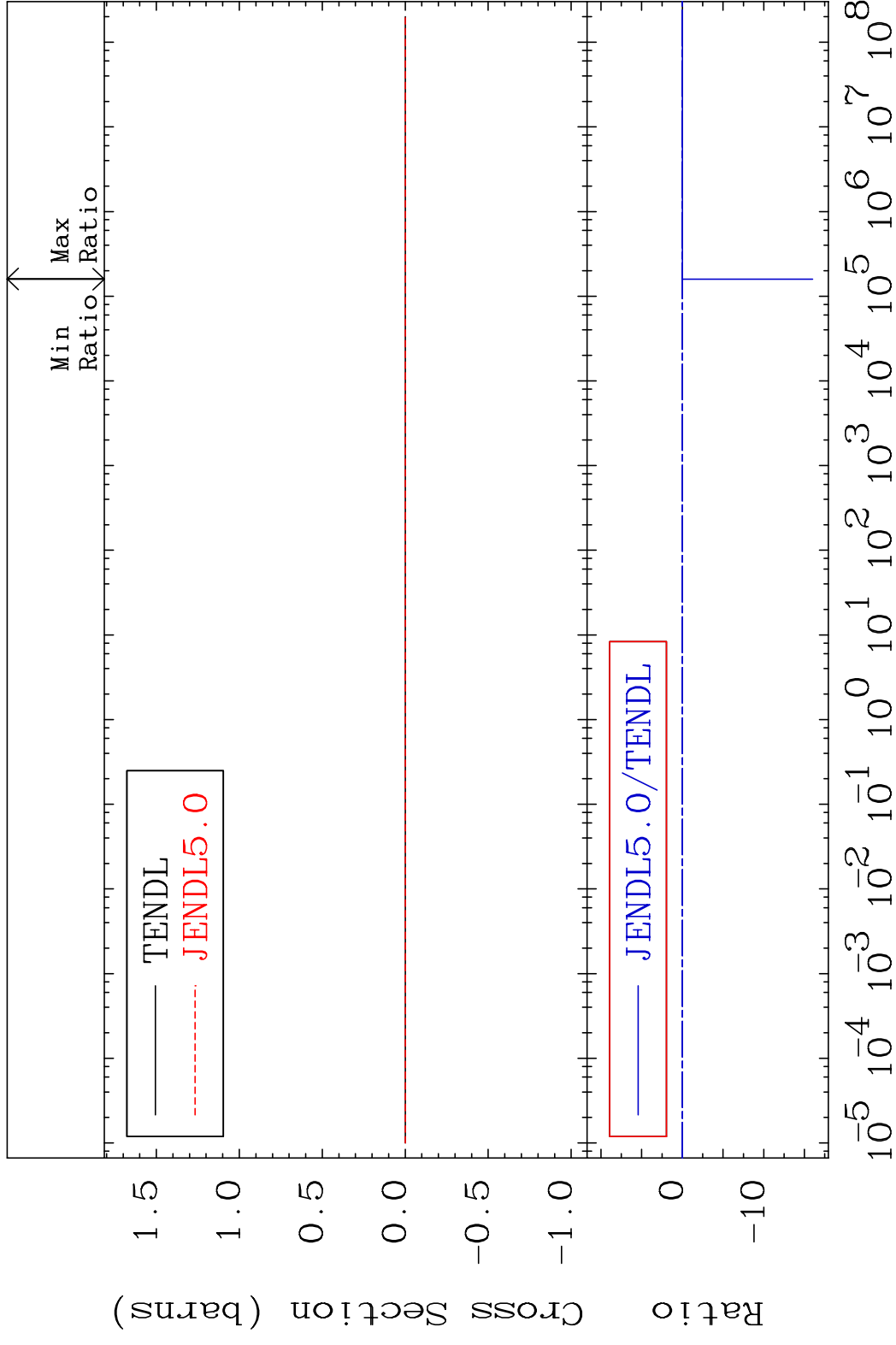


MAT 4519 Kerma inelastic (mt51-91) 45-Rh-101
 Cross Section -9999. To 9999. %

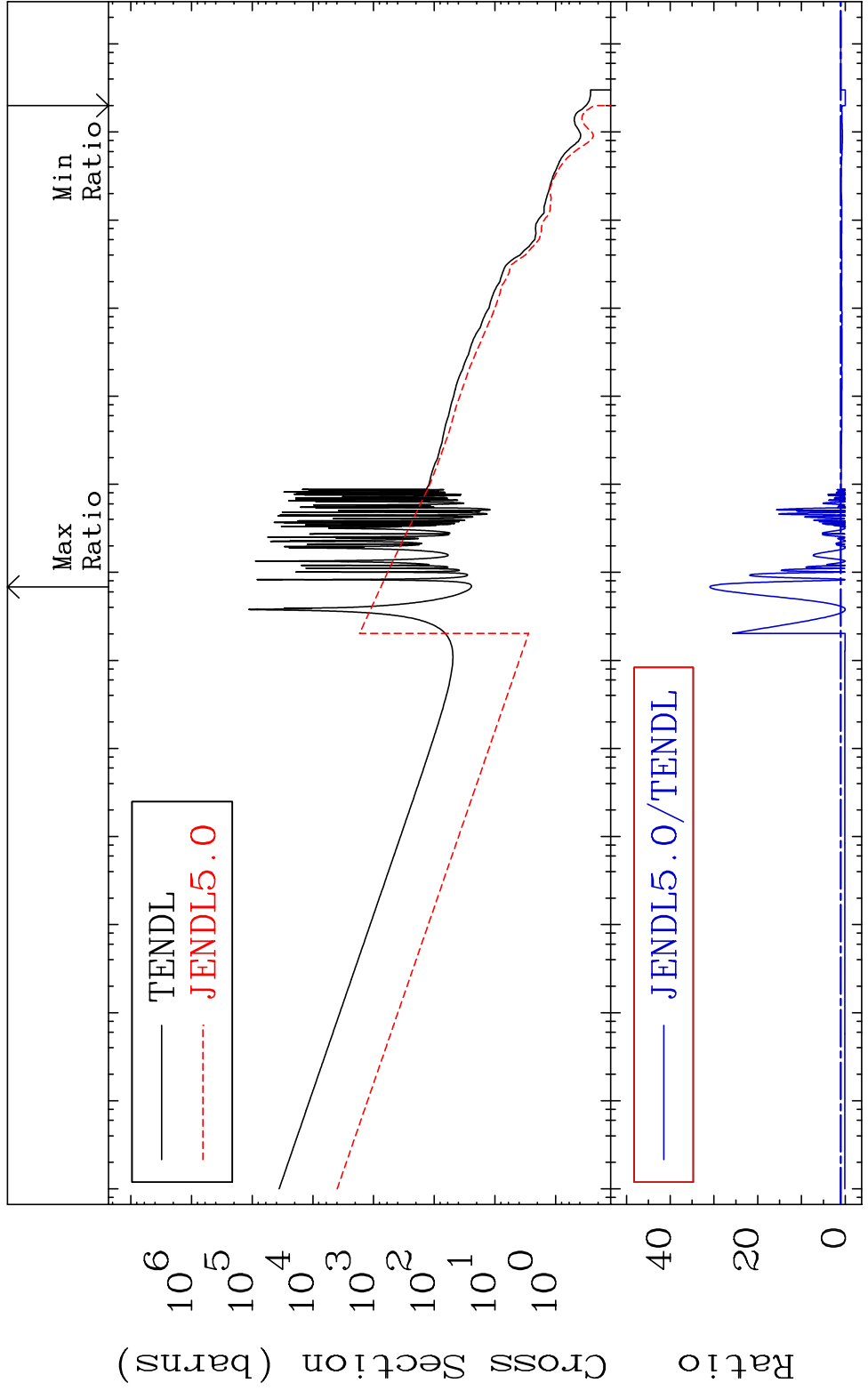


48 Incident Energy (eV) 45-Rh-101

MAT 4519 Kerma fission (mt18 or mt19-20-21-38) 45-Rh-101
 Cross Section -9999. To 9999. %

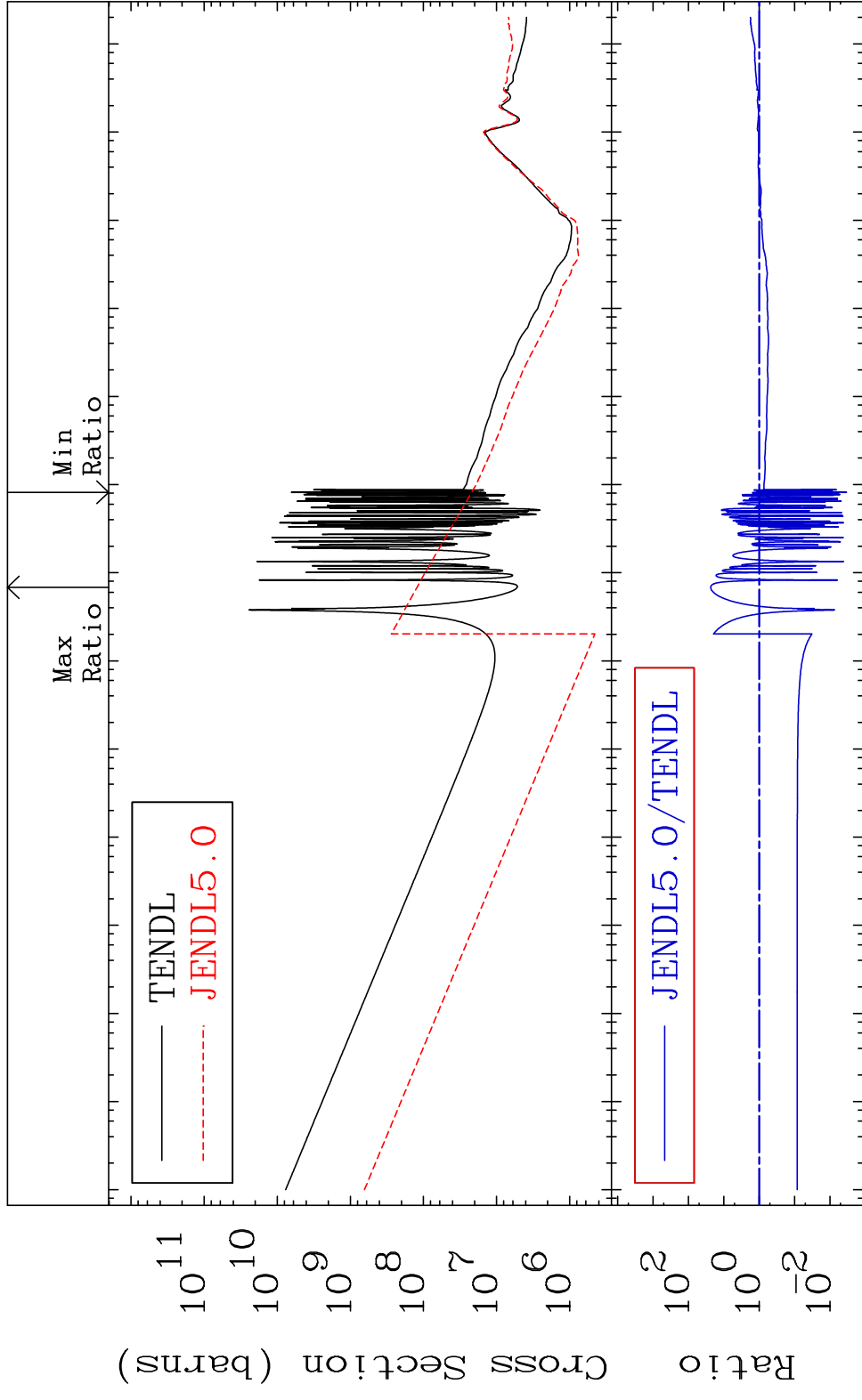


MAT 4519 Kerma capture (mt102) 45-Rh-101
 Cross Section -100.0 To 2996. %

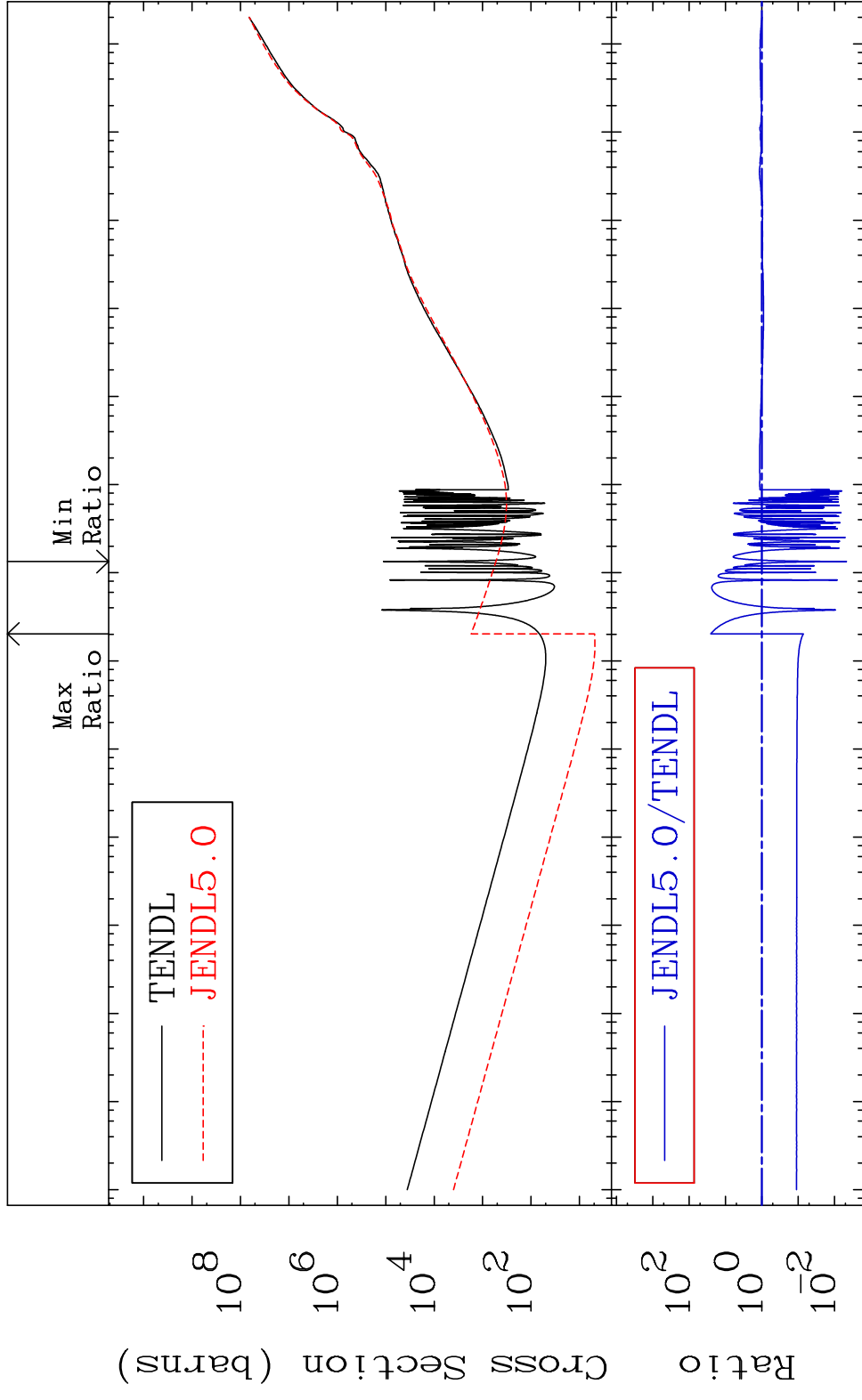


50 Incident Energy (eV) 45-Rh-101

MAT 4519 Total photon (eV-barns) 45-Rh-101
 Cross Section -99.66 To 2247. %



MAT 4519 Total kinematic kerma (high limit) 45-Rh-101
 Cross Section -99.53 To 2463. %

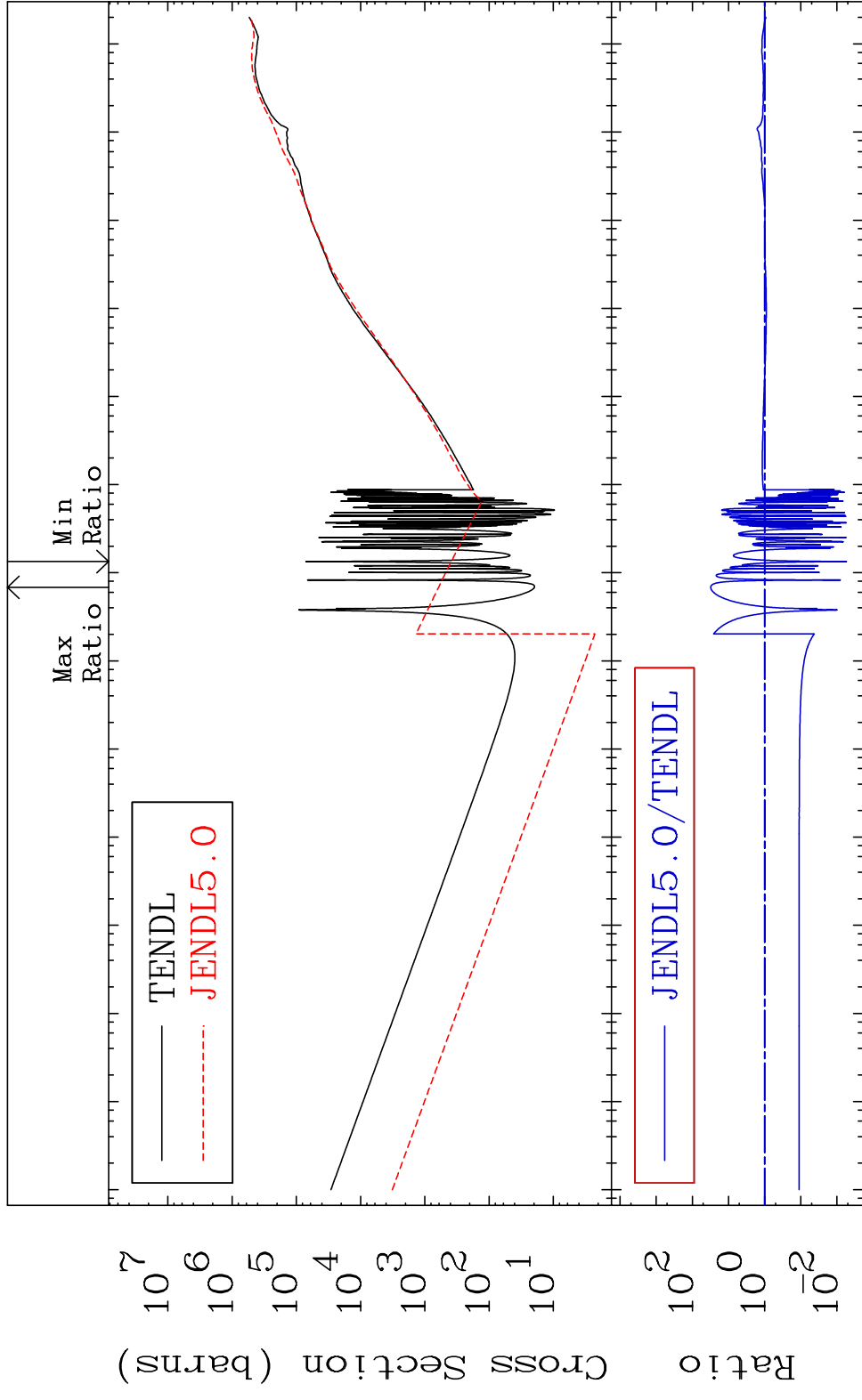


MAT 4519

Dpa total (eV-barns)

45-Rh-101

Cross Section -99.45 To 3002. %



53

Incident Energy (eV)

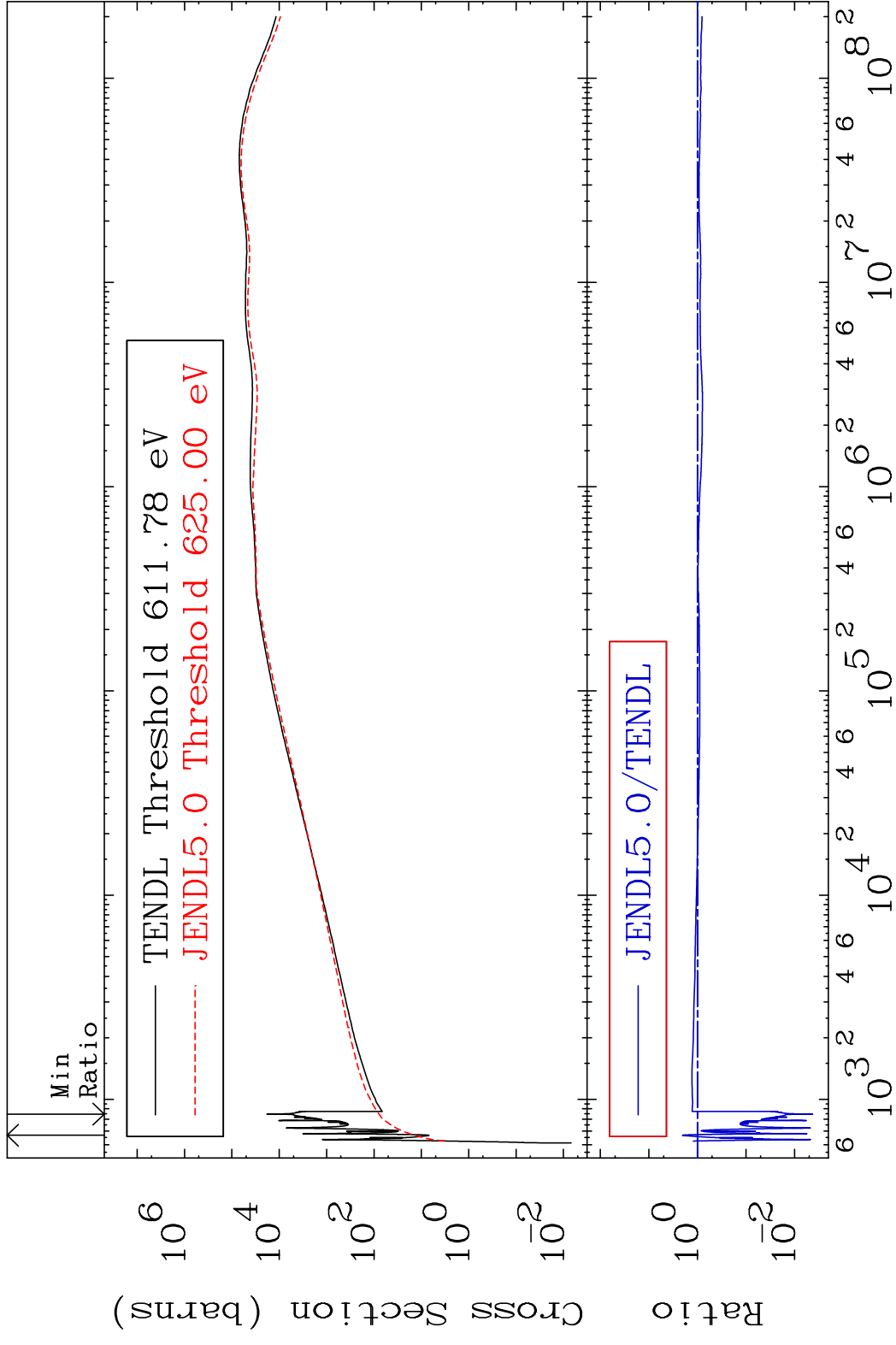
45-Rh-101

MAT 4519

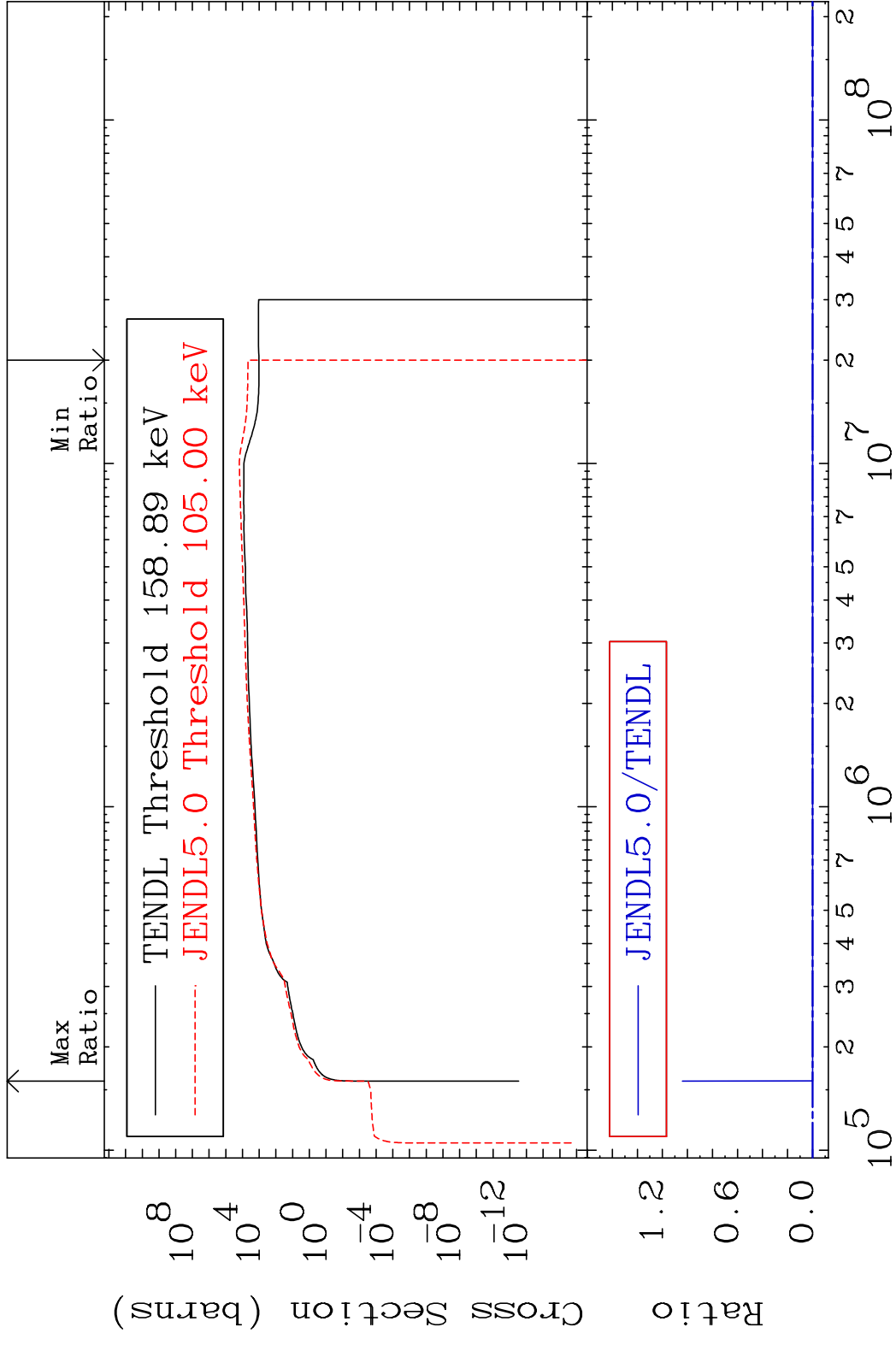
Dpa elastic (mt2)

45-Rh-101

Cross Section -99.57 To 105.3 %

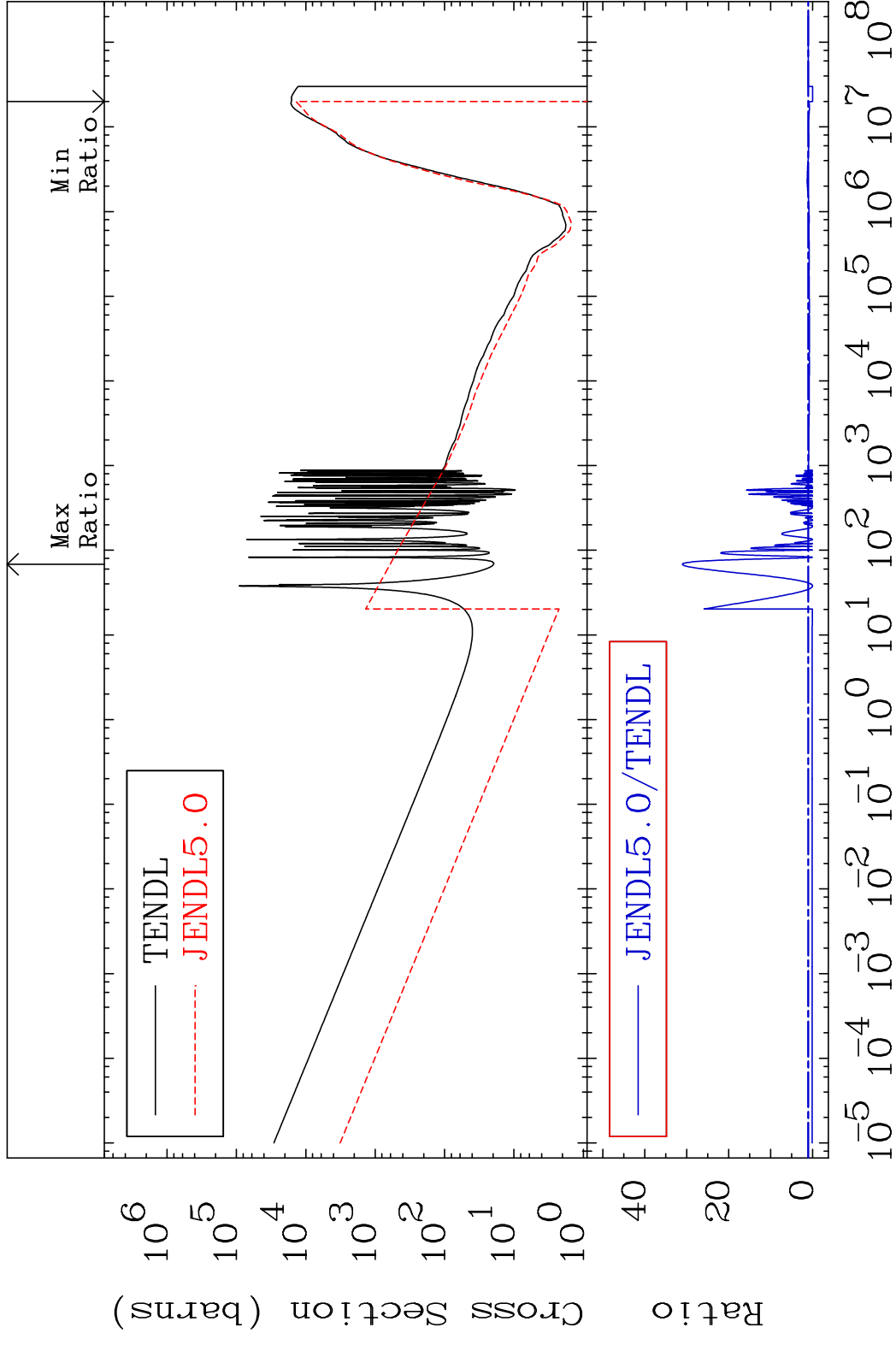


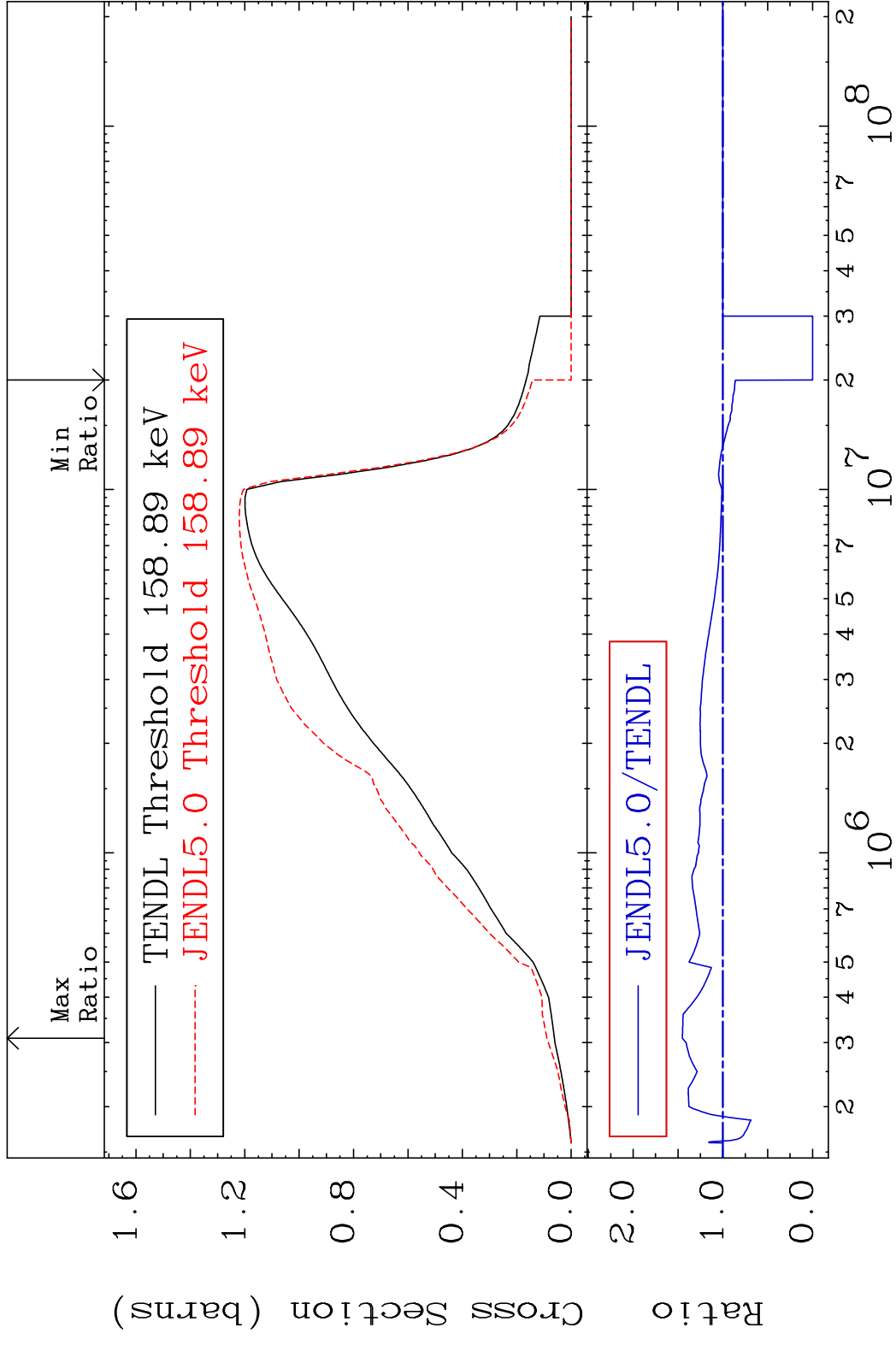
MAT 4519 Dpa inelastic (mt51-91) 45-Rh-101
 Cross Section -100.0 To 9999. %



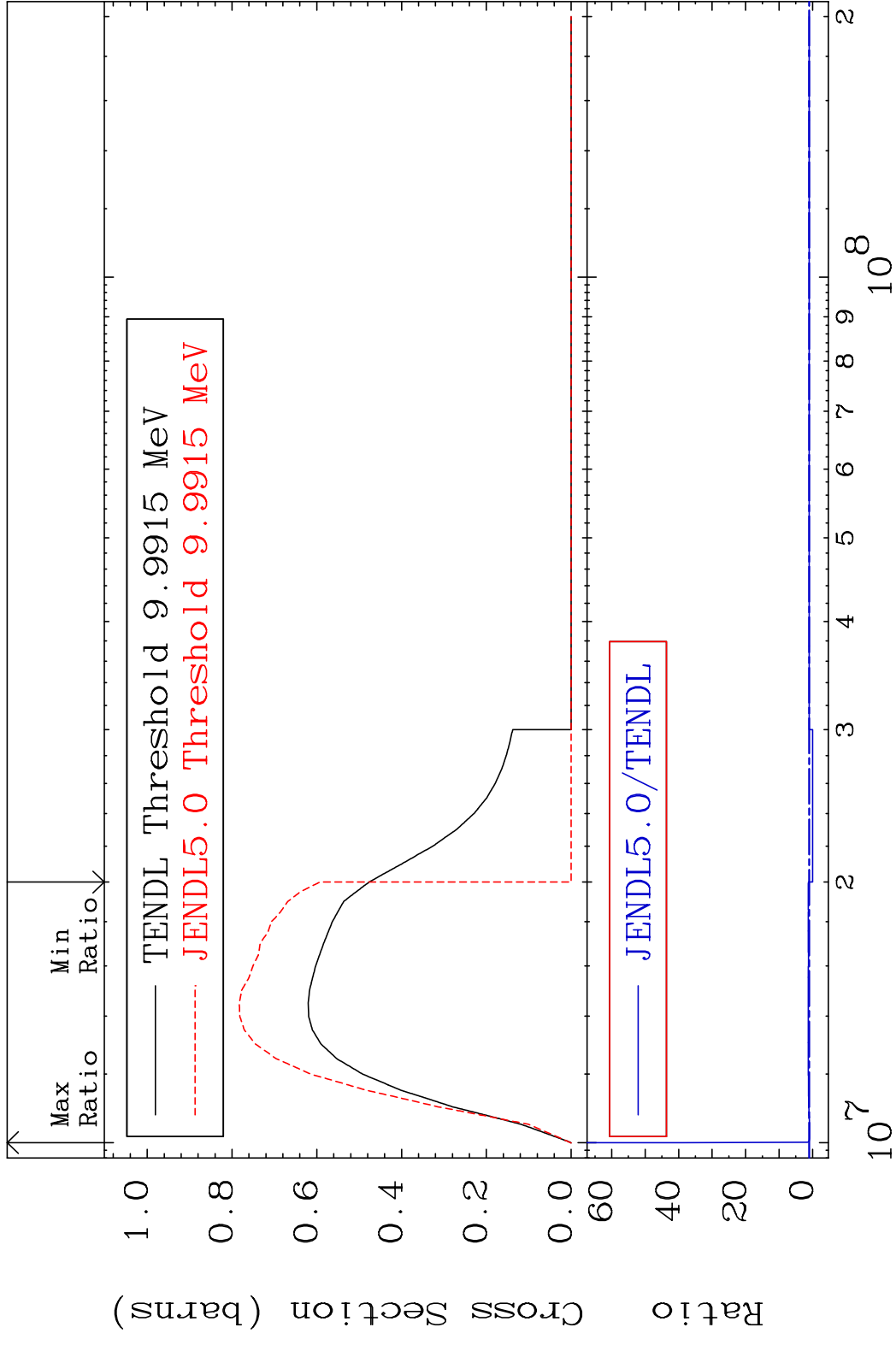
55 Incident Energy (eV) 45-Rh-101

MAT 4519 Dpa disappearance (mt102 -120) 45-Rh-101
 Cross Section -100.0 To 3002. %

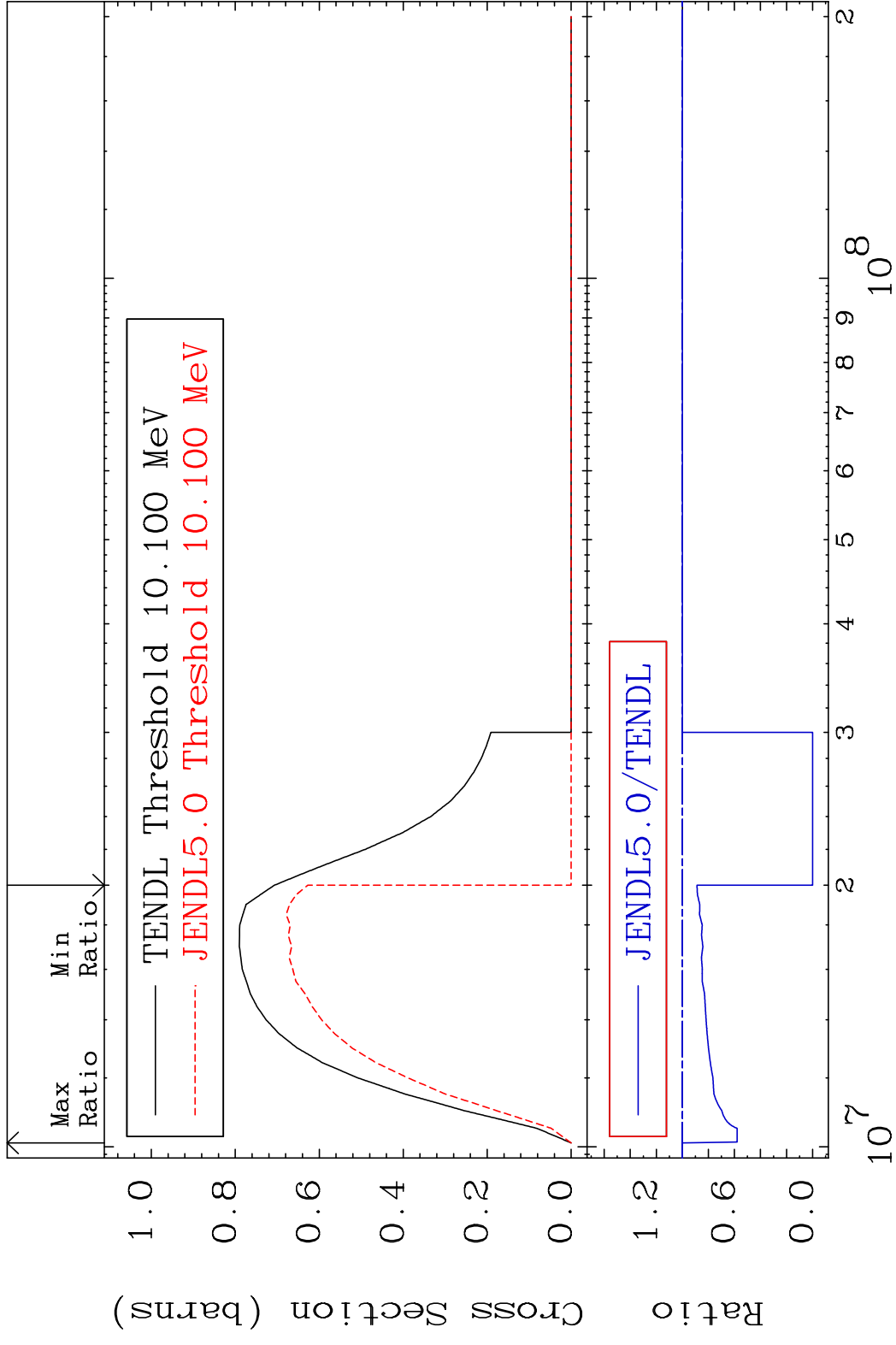




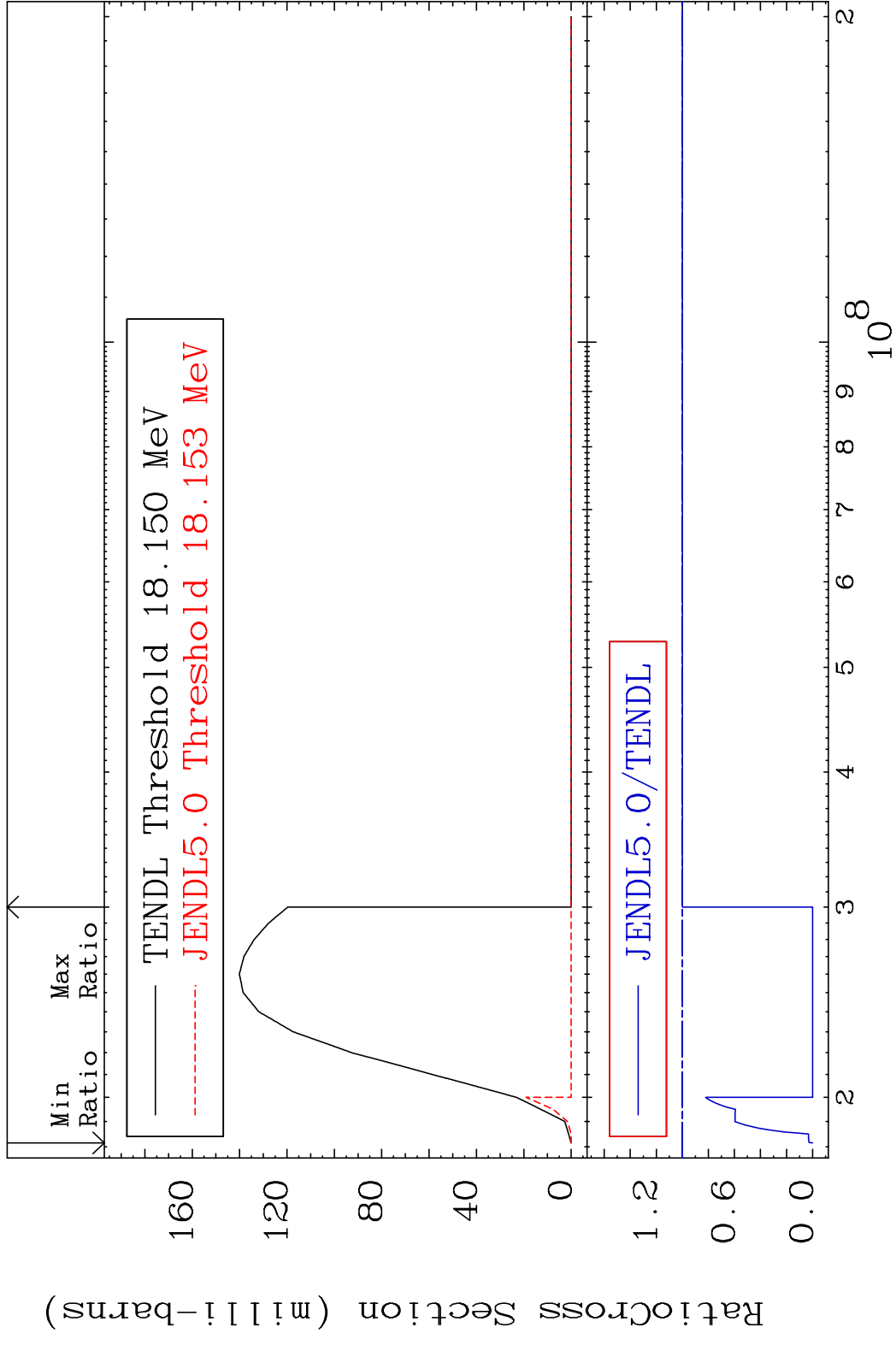
MAT 4519 (n,2n):45-Rh-100g 45-Rh-101
 Radionuclide Production Cross Section 18000 dth 3789. %

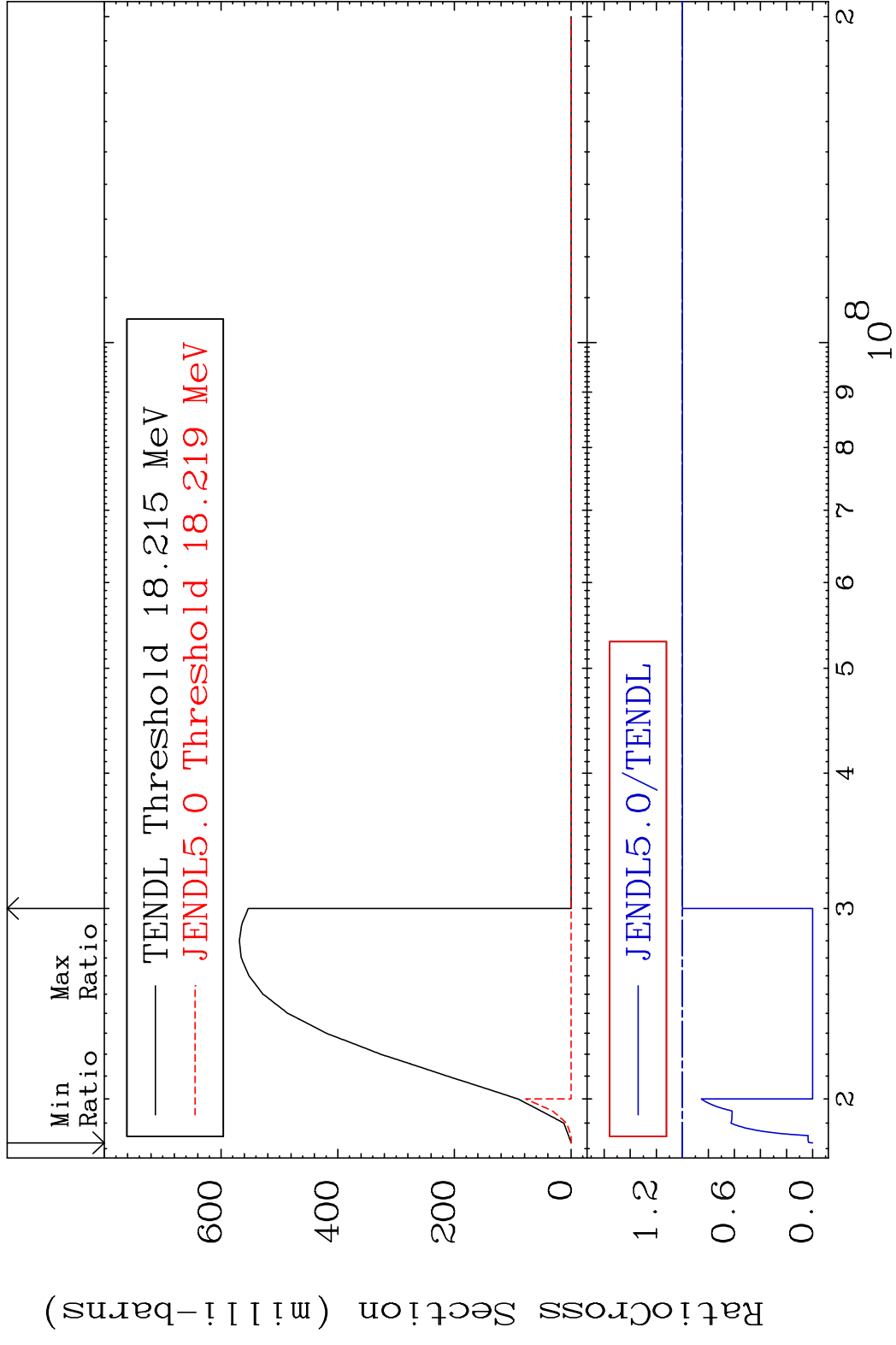


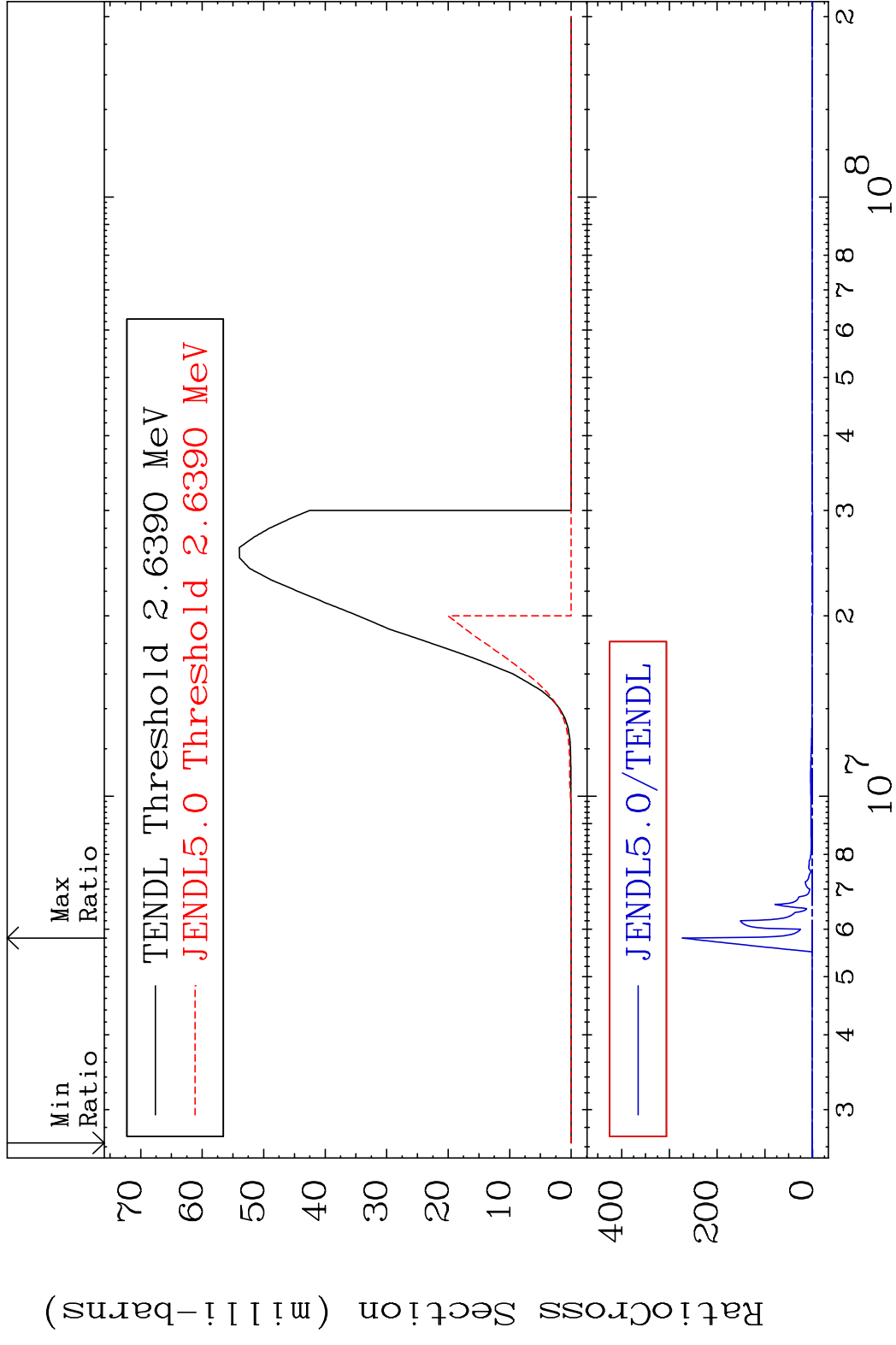
MAT 4519 (n,2n):45-Rh-100m4 45-Rh-101
 Radionuclide Production Cross Section 100.000 %

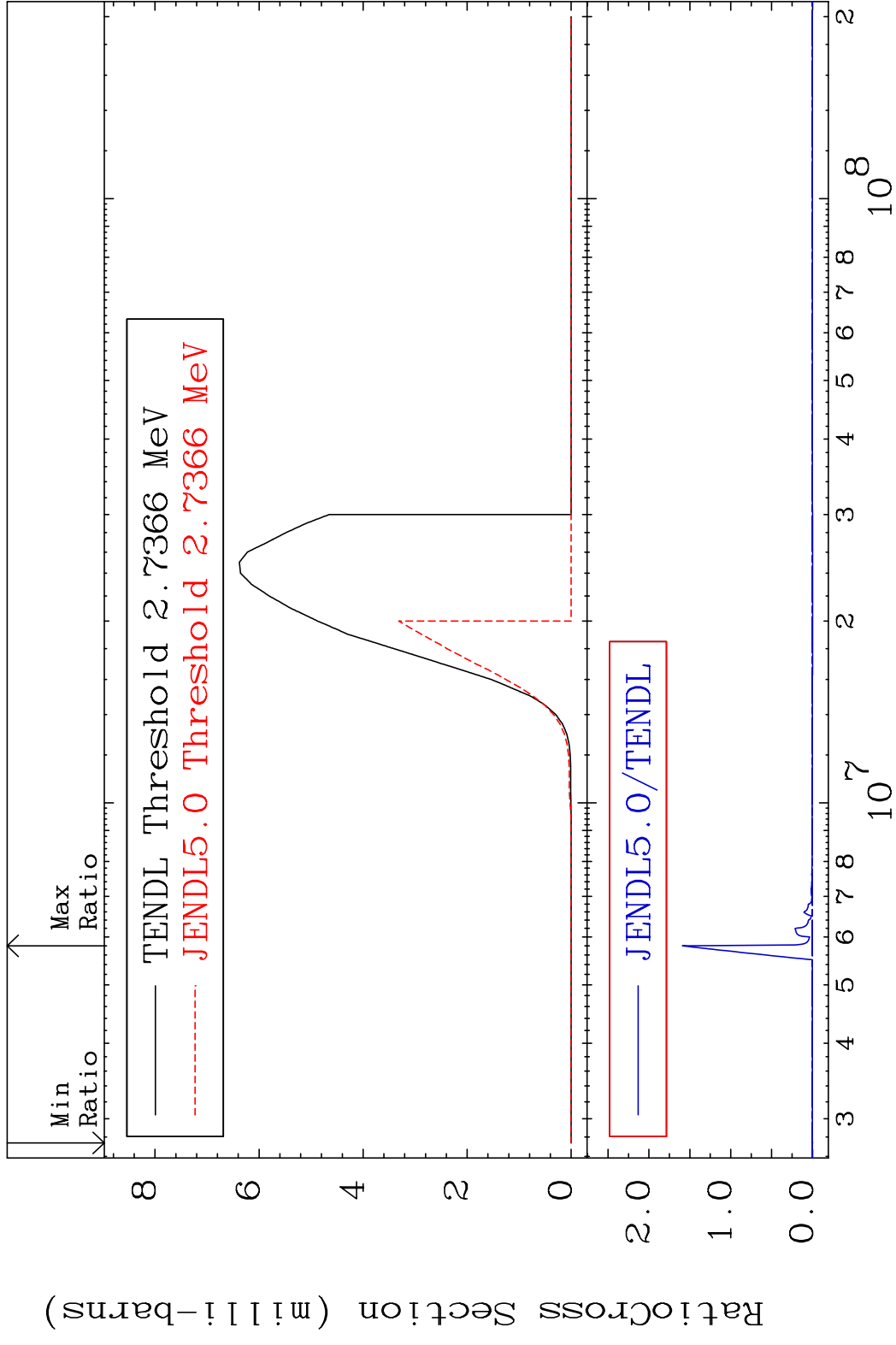


MAT 4519 (n,3n):45-Rh-99g 45-Rh-101
 Radionuclide Production Cross Section 18.153 MeV 0.000 %

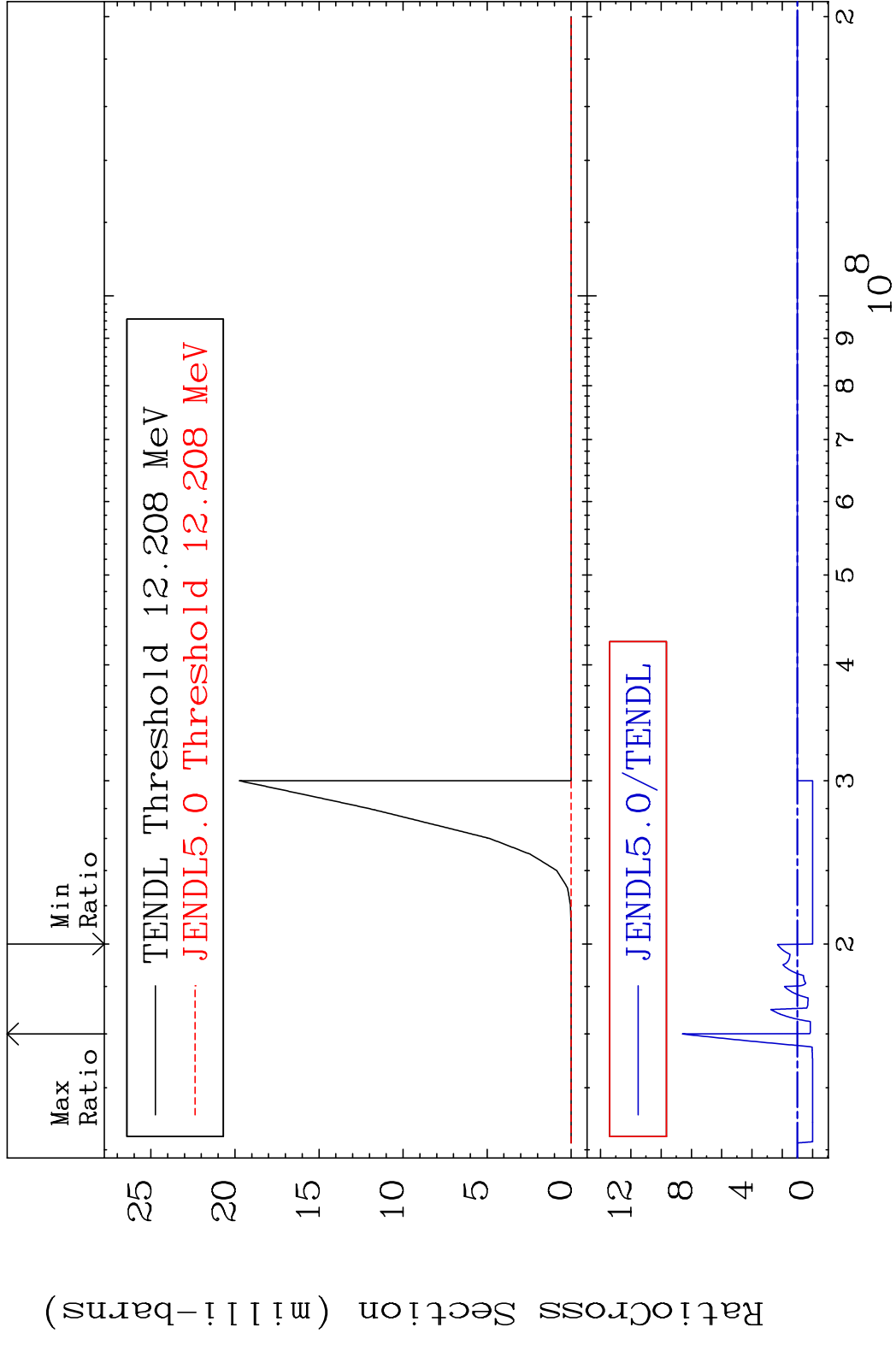




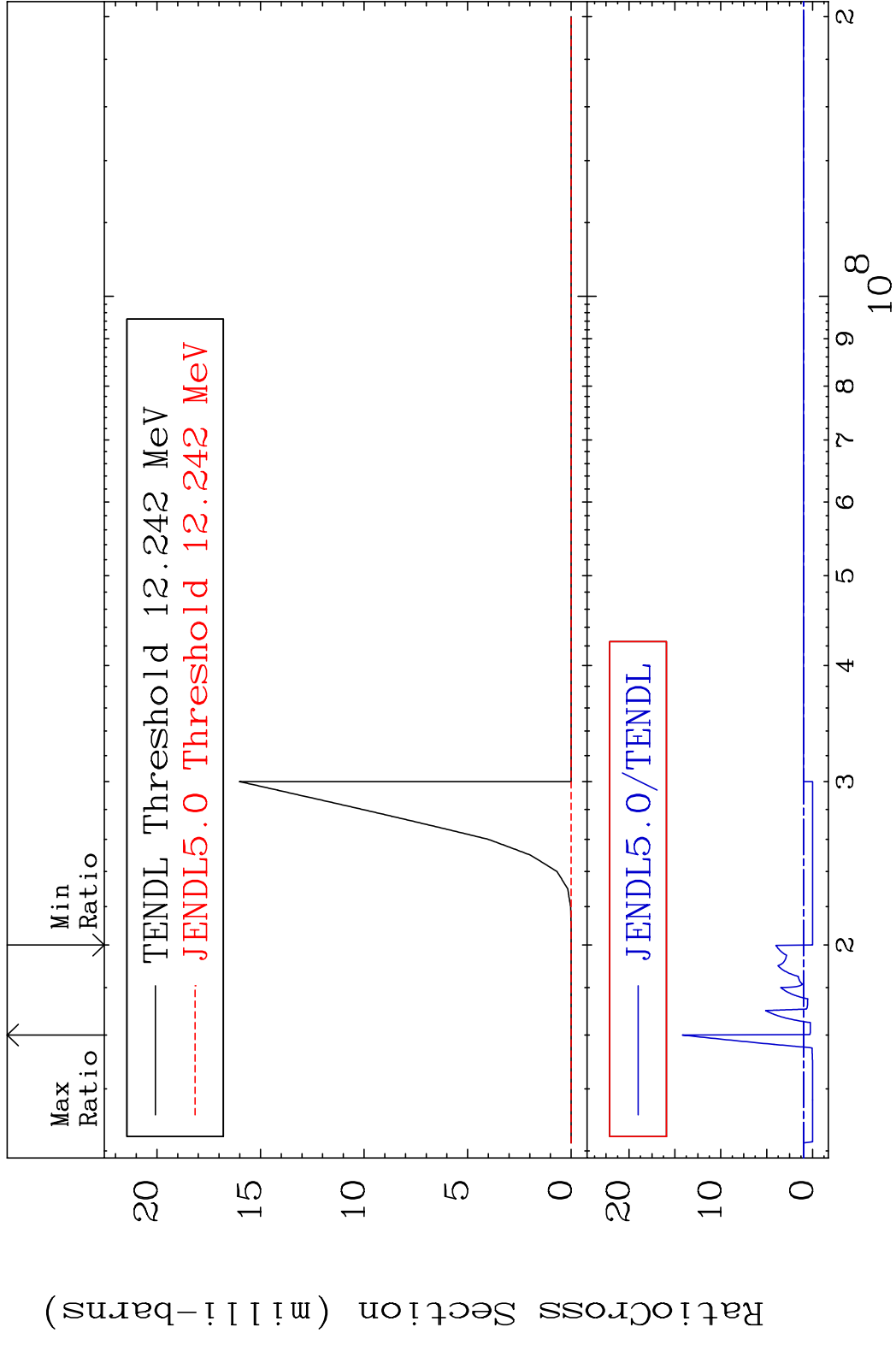


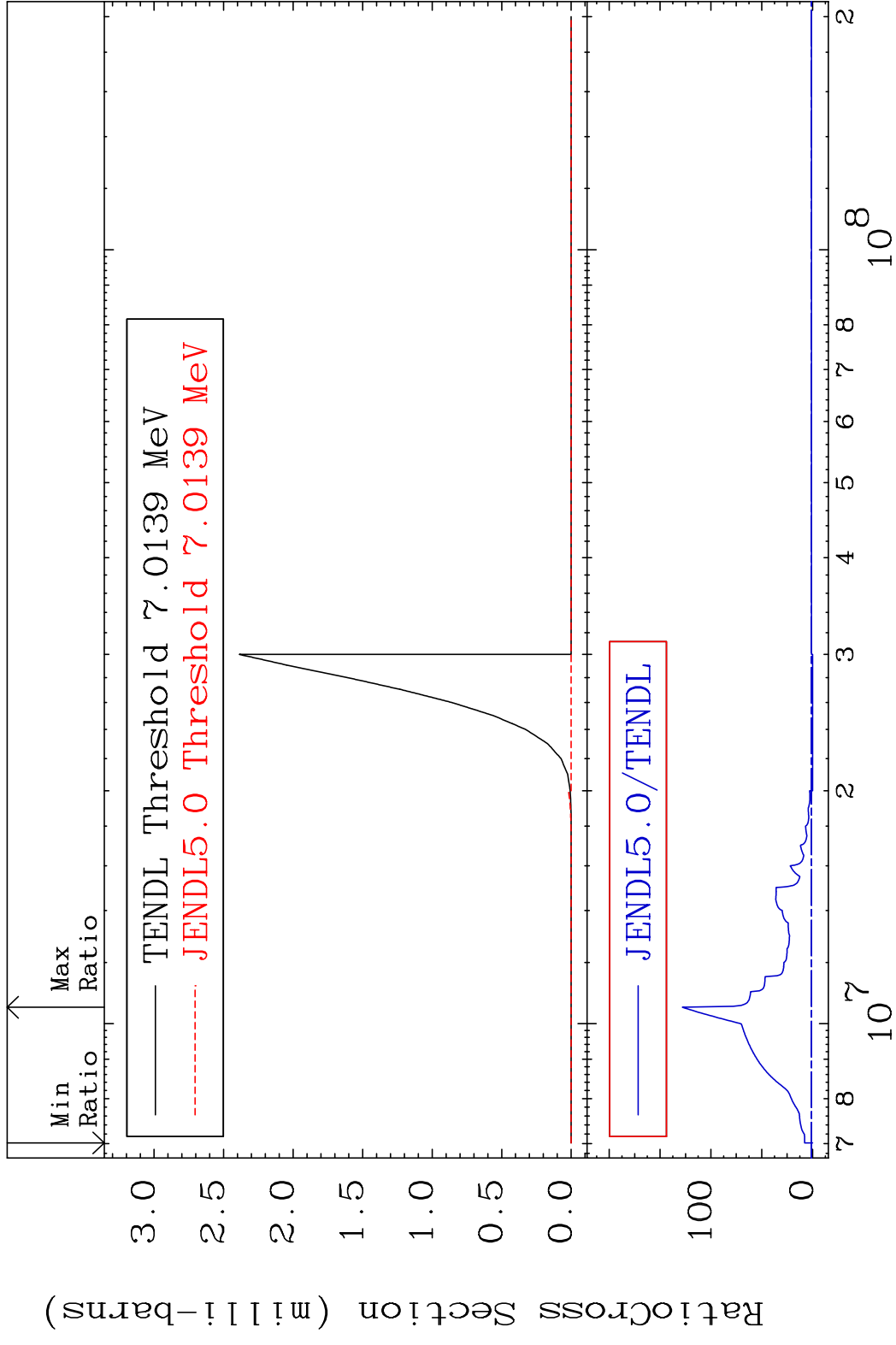


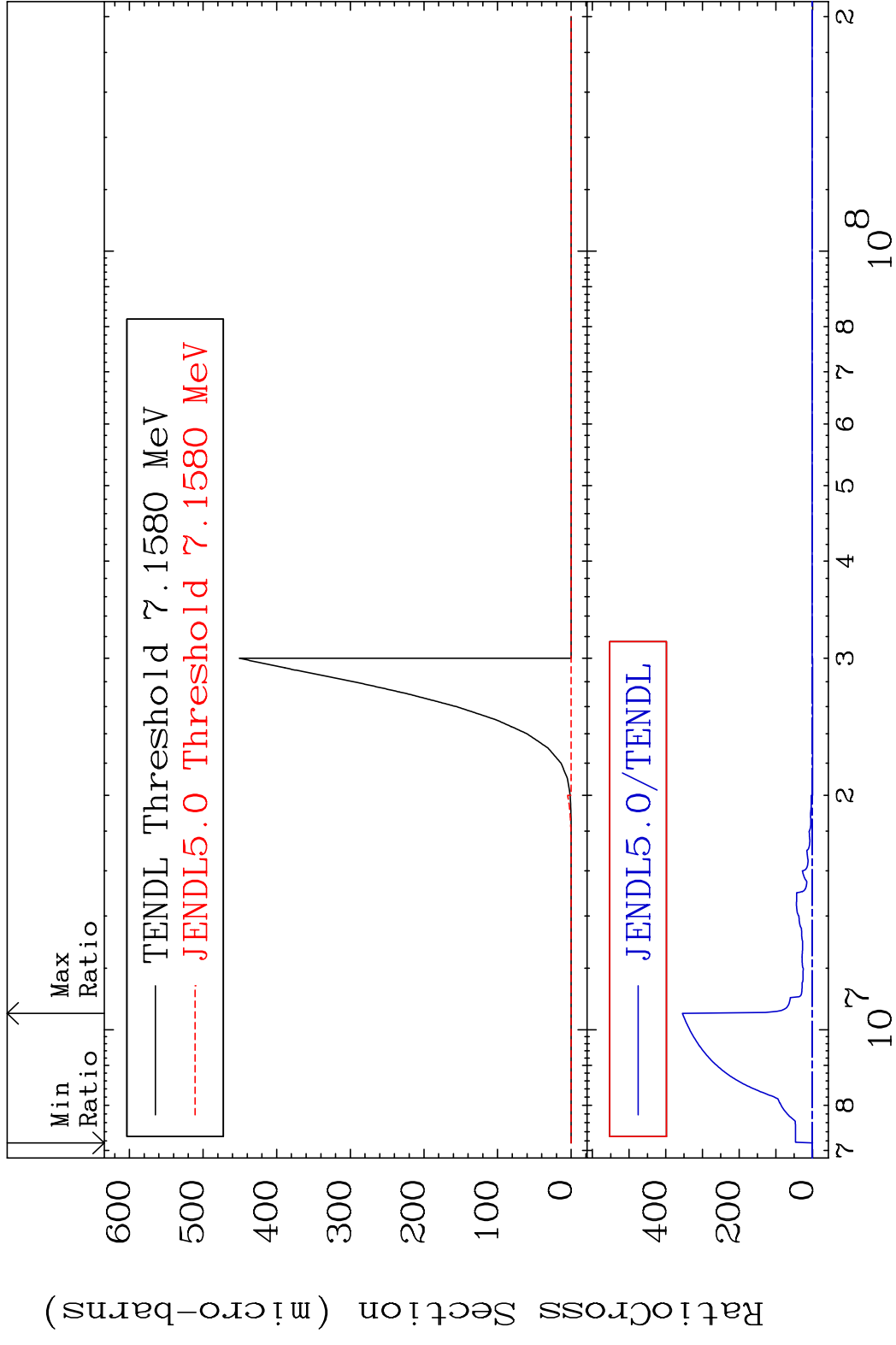
MAT 4519 (n,2n) α :43-Tc-96g 45-Rh-101
 Radionuclide Production Cross Section 180.01 dth 759.8 %

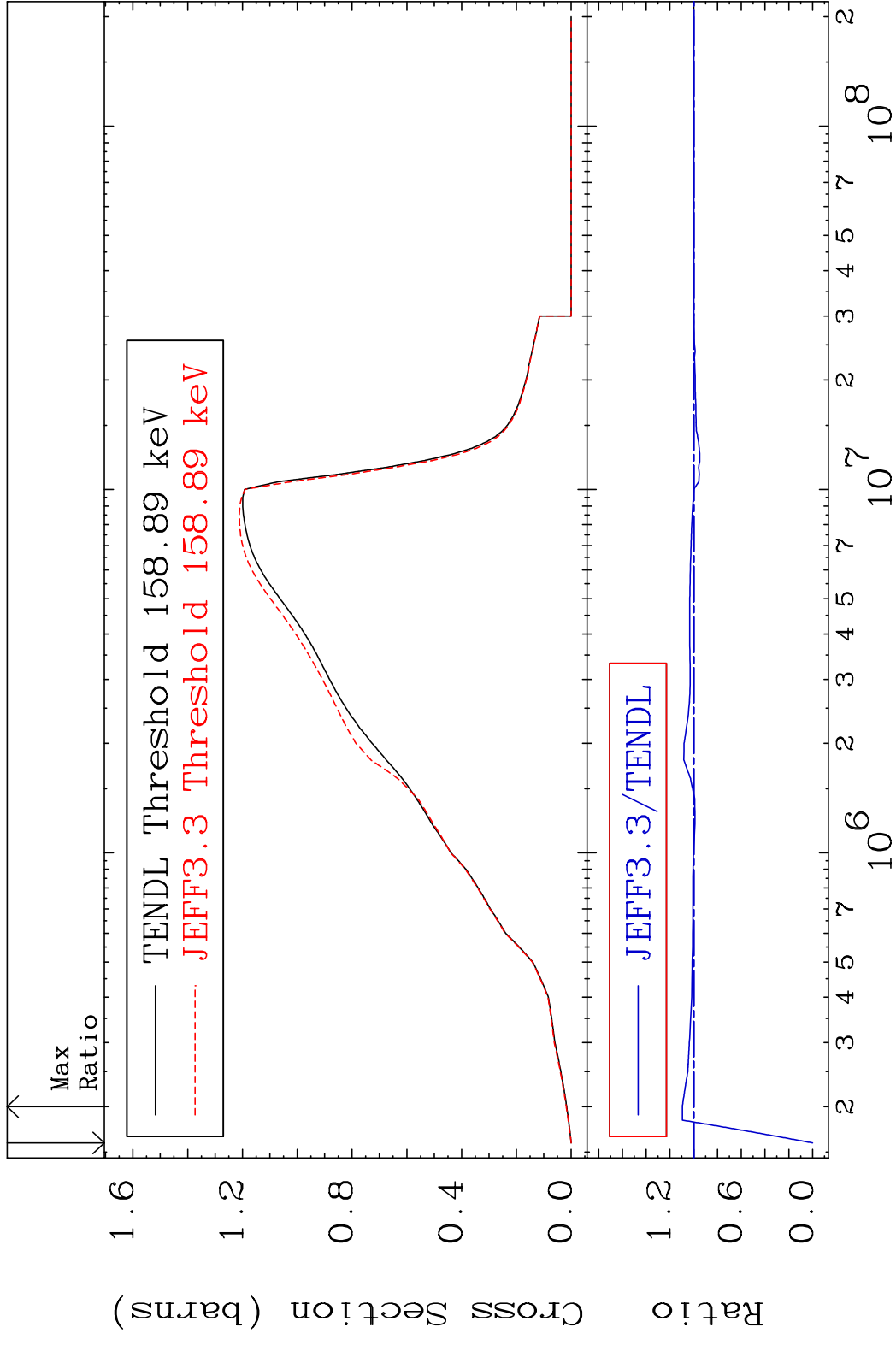


MAT 4519 (n,2n) α :43-Tc-96m1 45-Rh-101
 Radionuclide Production Cross Section 1319. %

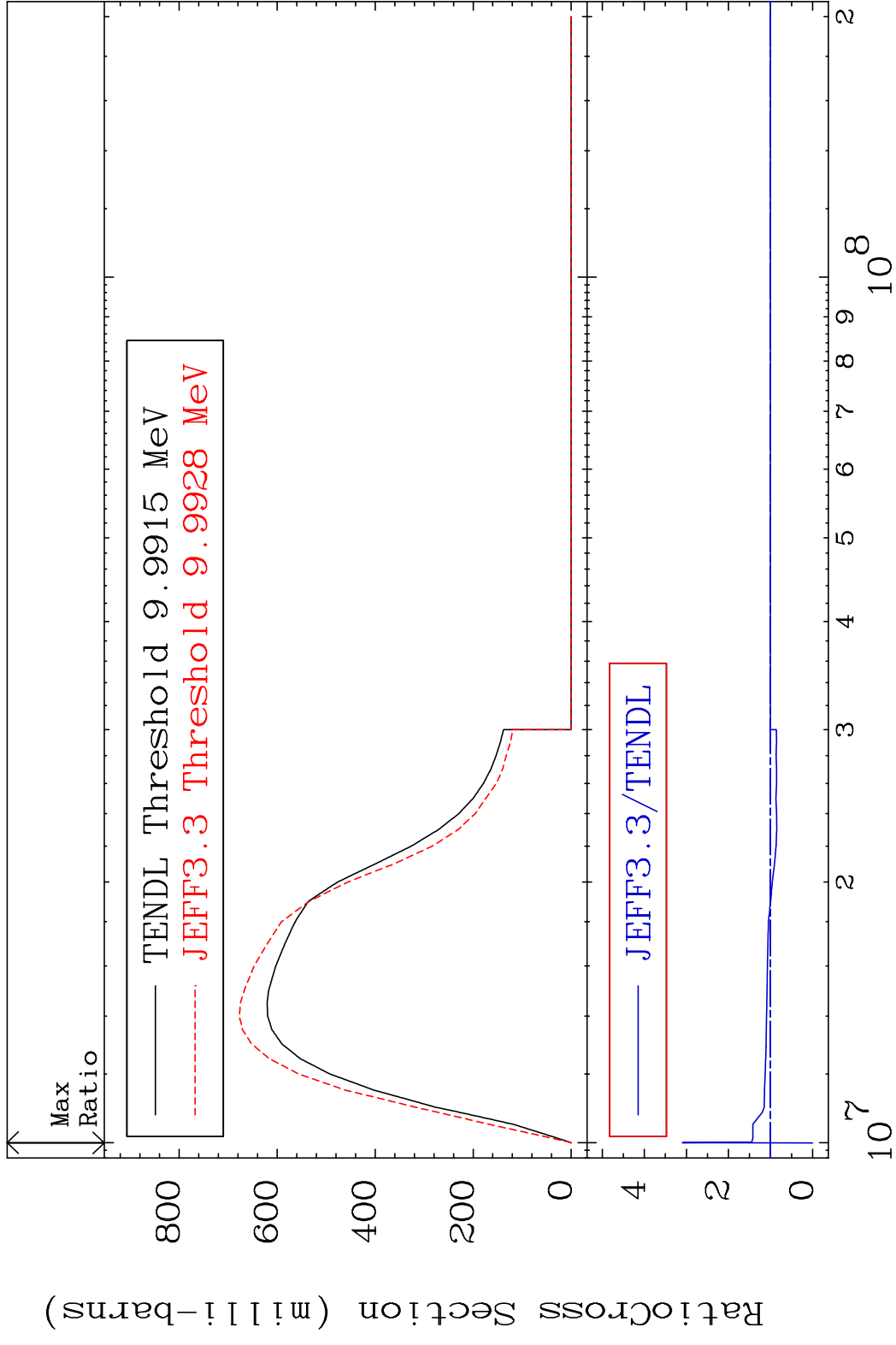






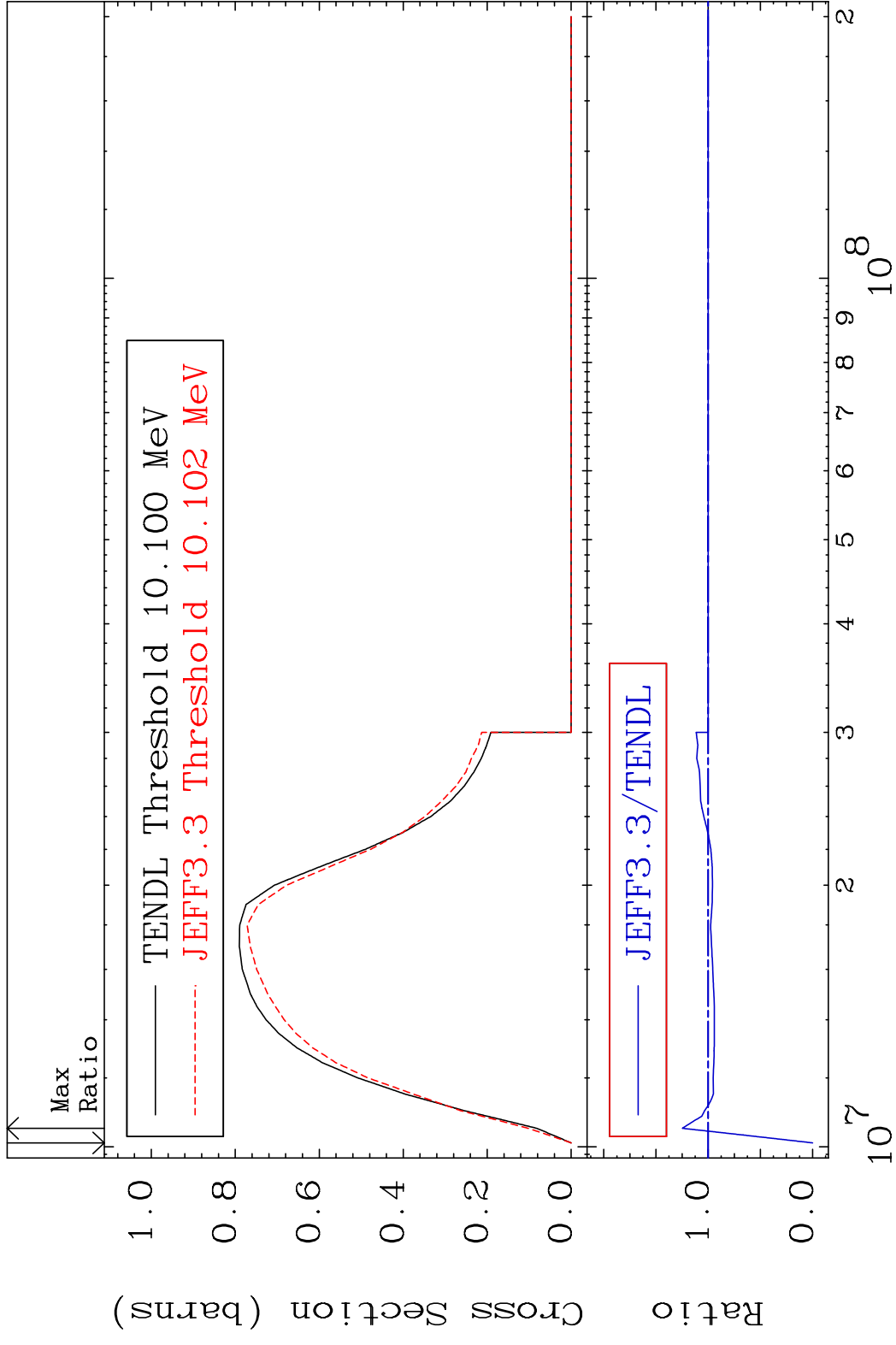


MAT 4519 (n,2n):45-Rh-100g 45-Rh-101
 Radionuclide Production Cross Section 180.0 dth 209.6 %



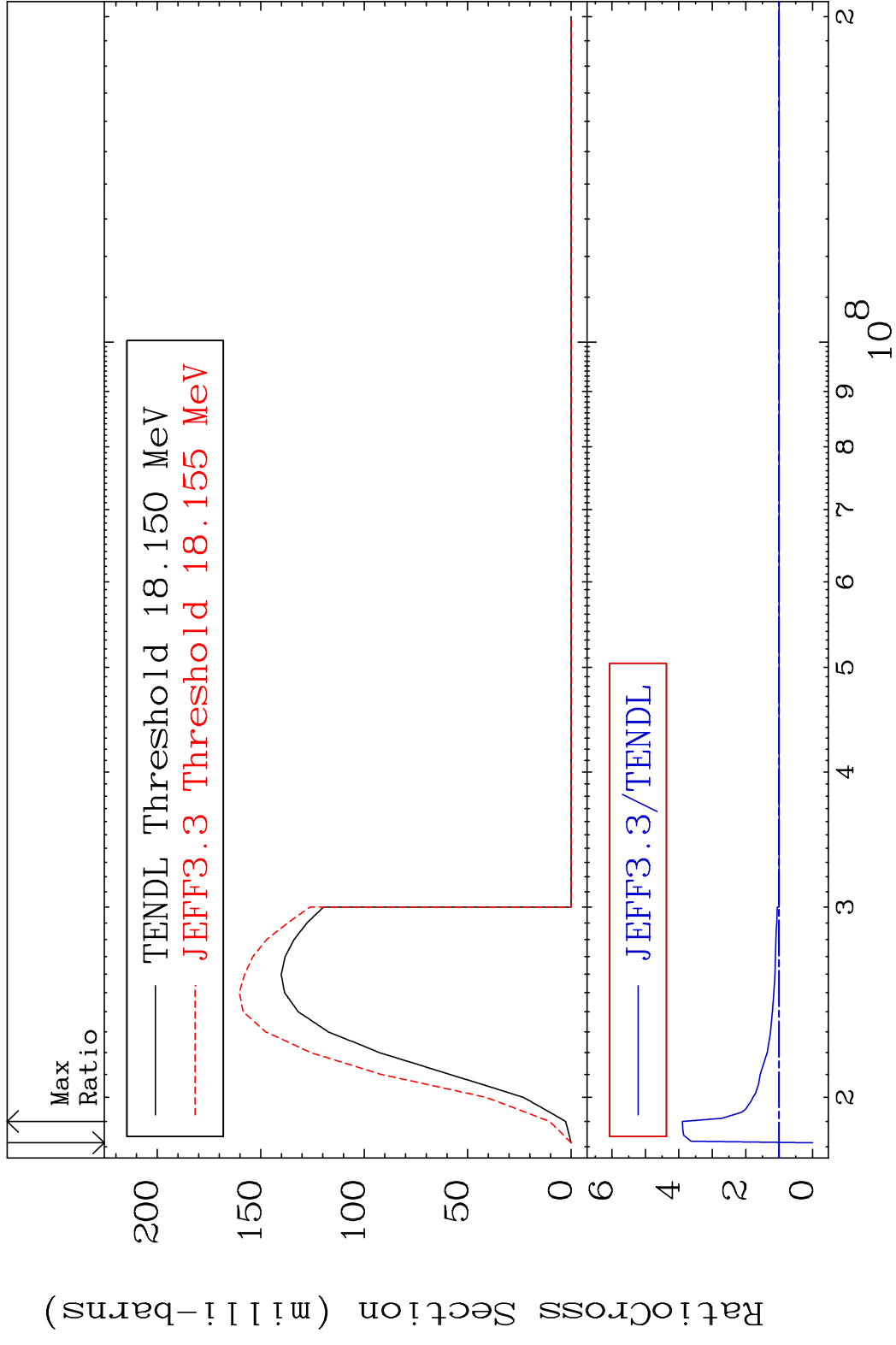
69 Incident Energy (eV) 45-Rh-101

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

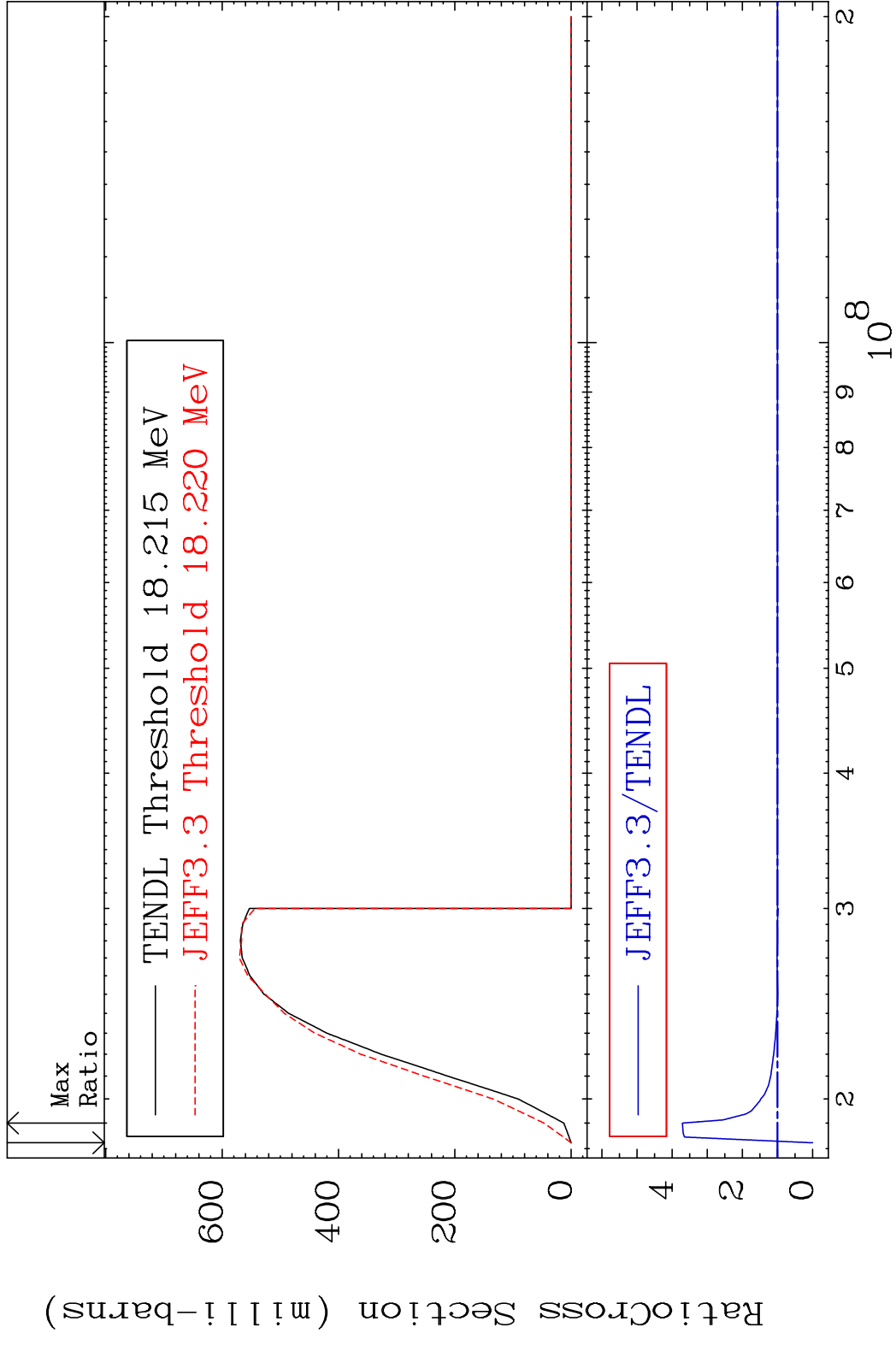


70 Incident Energy (eV) 45-Rh-101

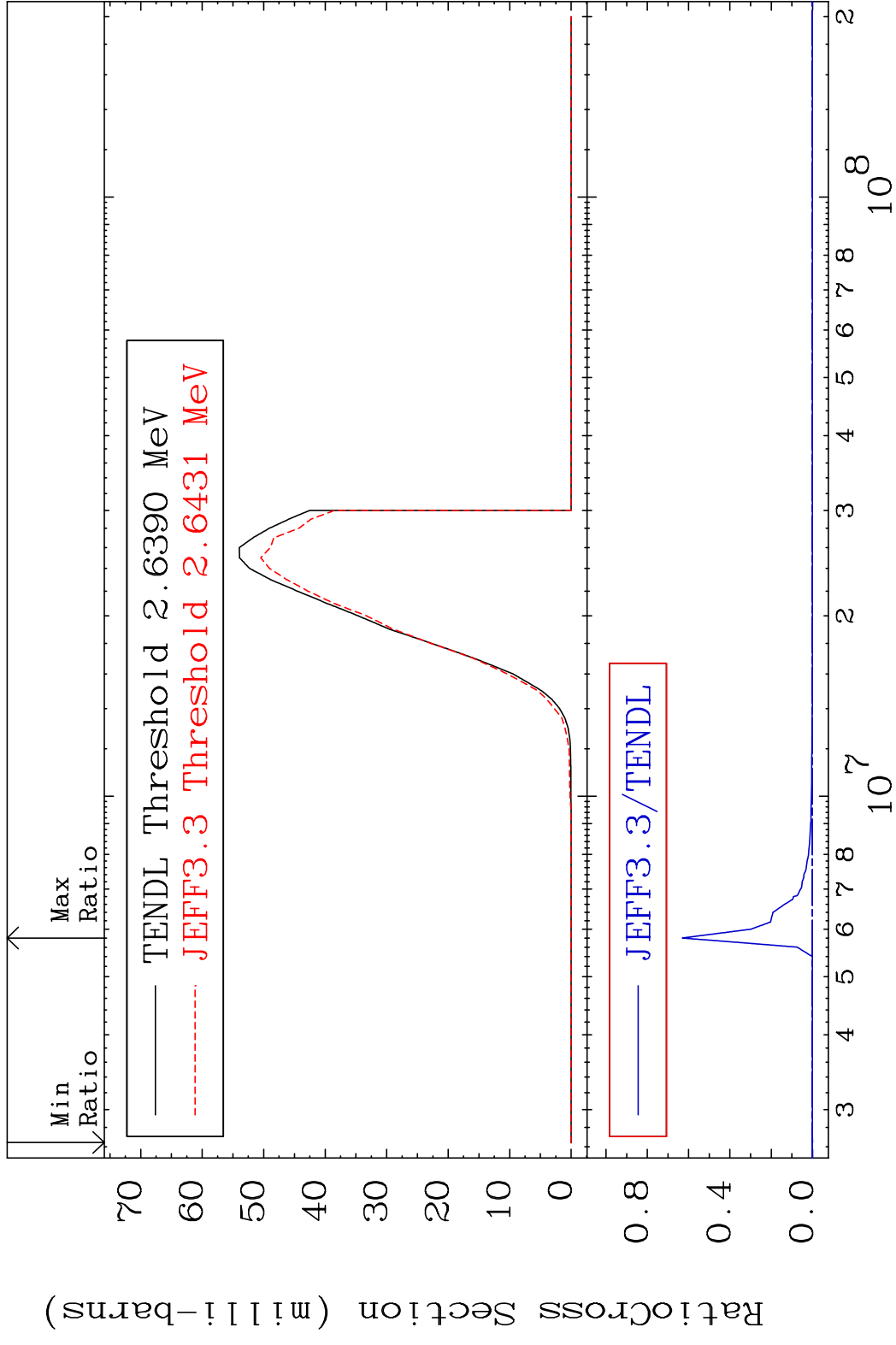
MAT 4519 (n,3n):45-Rh-99g 45-Rh-101
 Radionuclide Production Cross Section 18.155 MeV 289.5 %

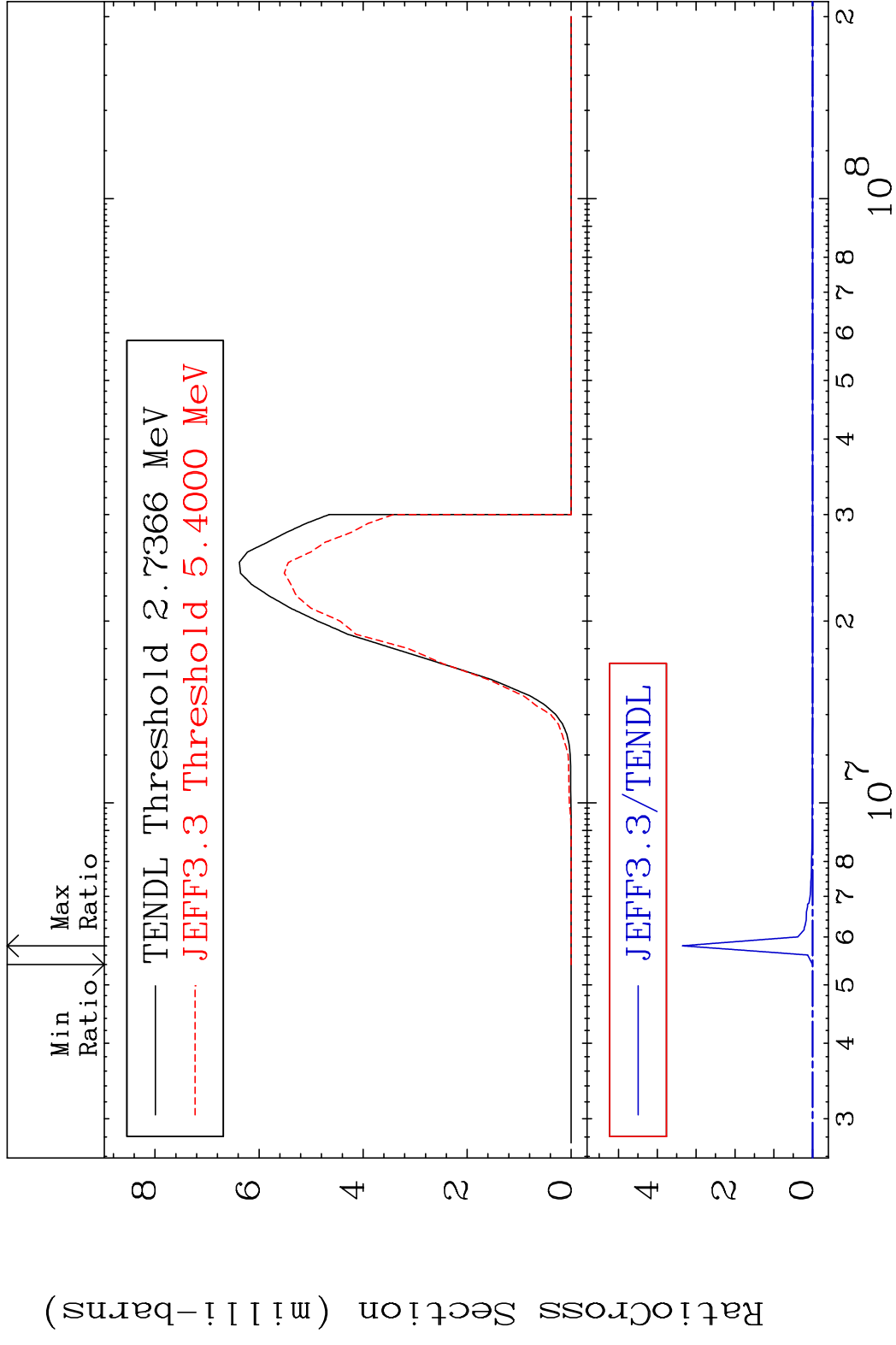


MAT 4519 (n,3n):45-Rh-99m1 45-Rh-101
 Radionuclide Production Cross Section 18.215 MeV 270.9 %

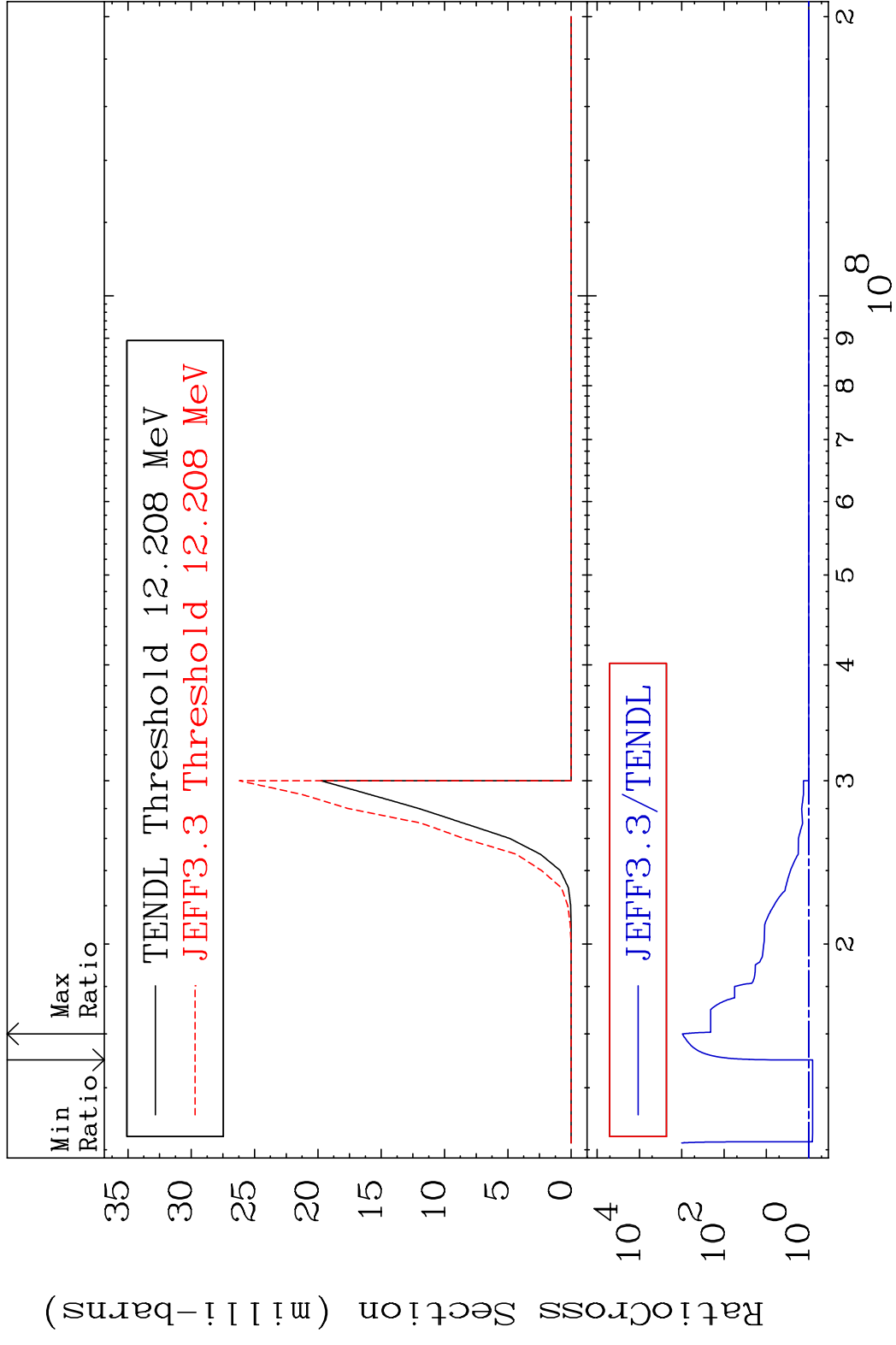


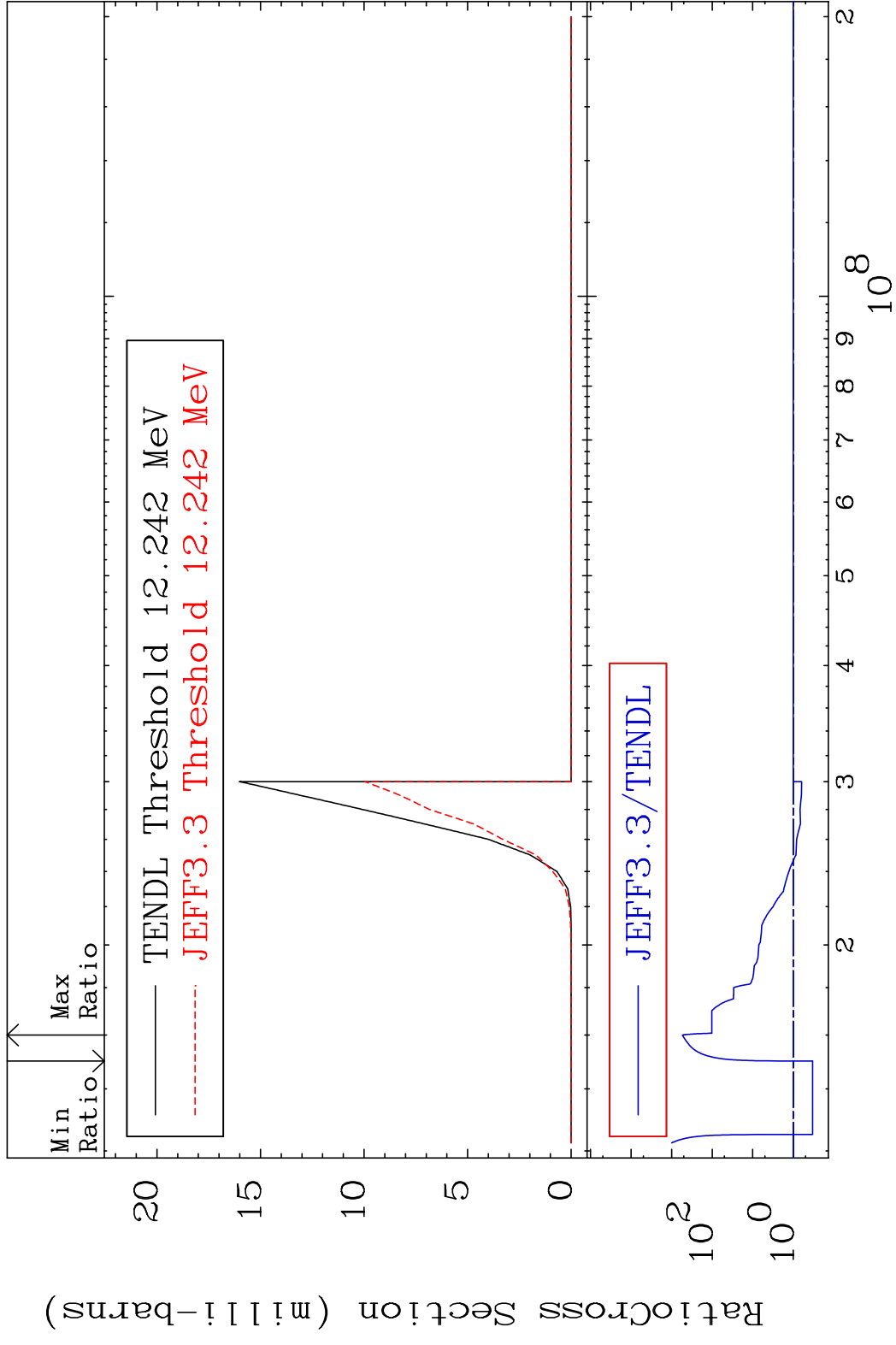
MAT 4519 (n, n') α :43-Tc-97g 45-Rh-101
 Radionuclide Production Cross Section 100% to 9999. %



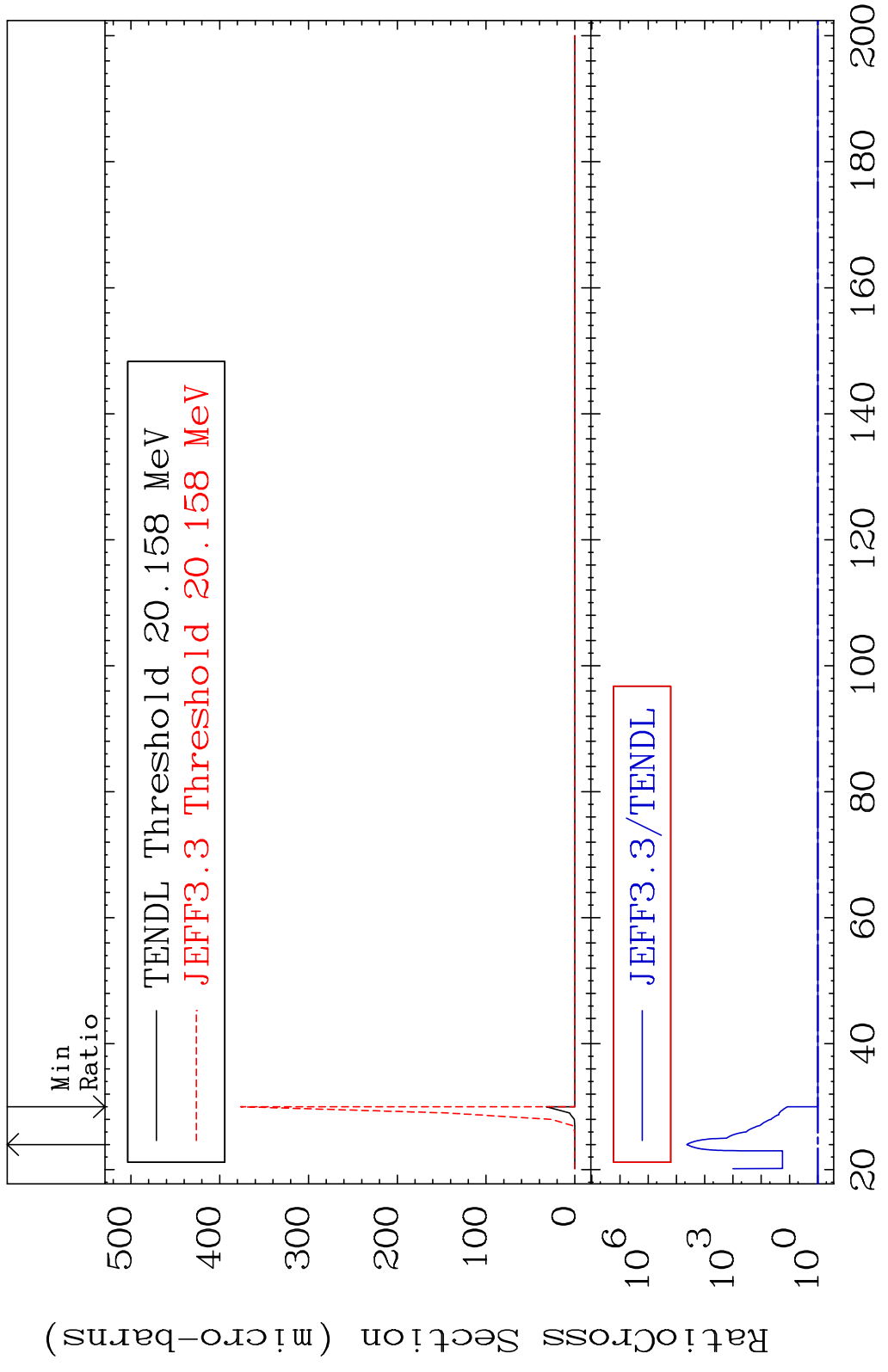


MAT 4519 (n,2n) α :43-Tc-96g 45-Rh-101
 Radionuclide Production Cross Section to 9999. %

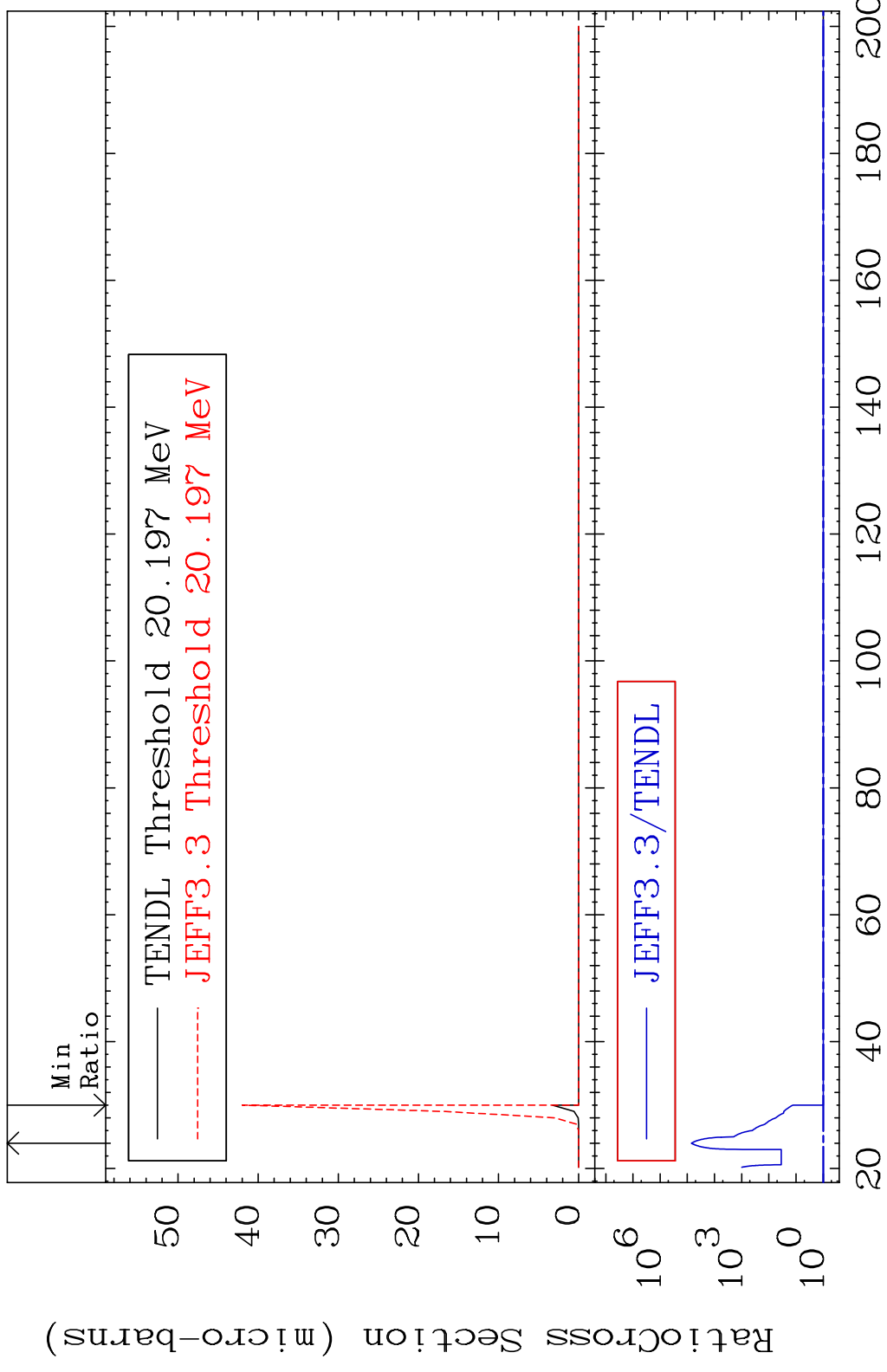


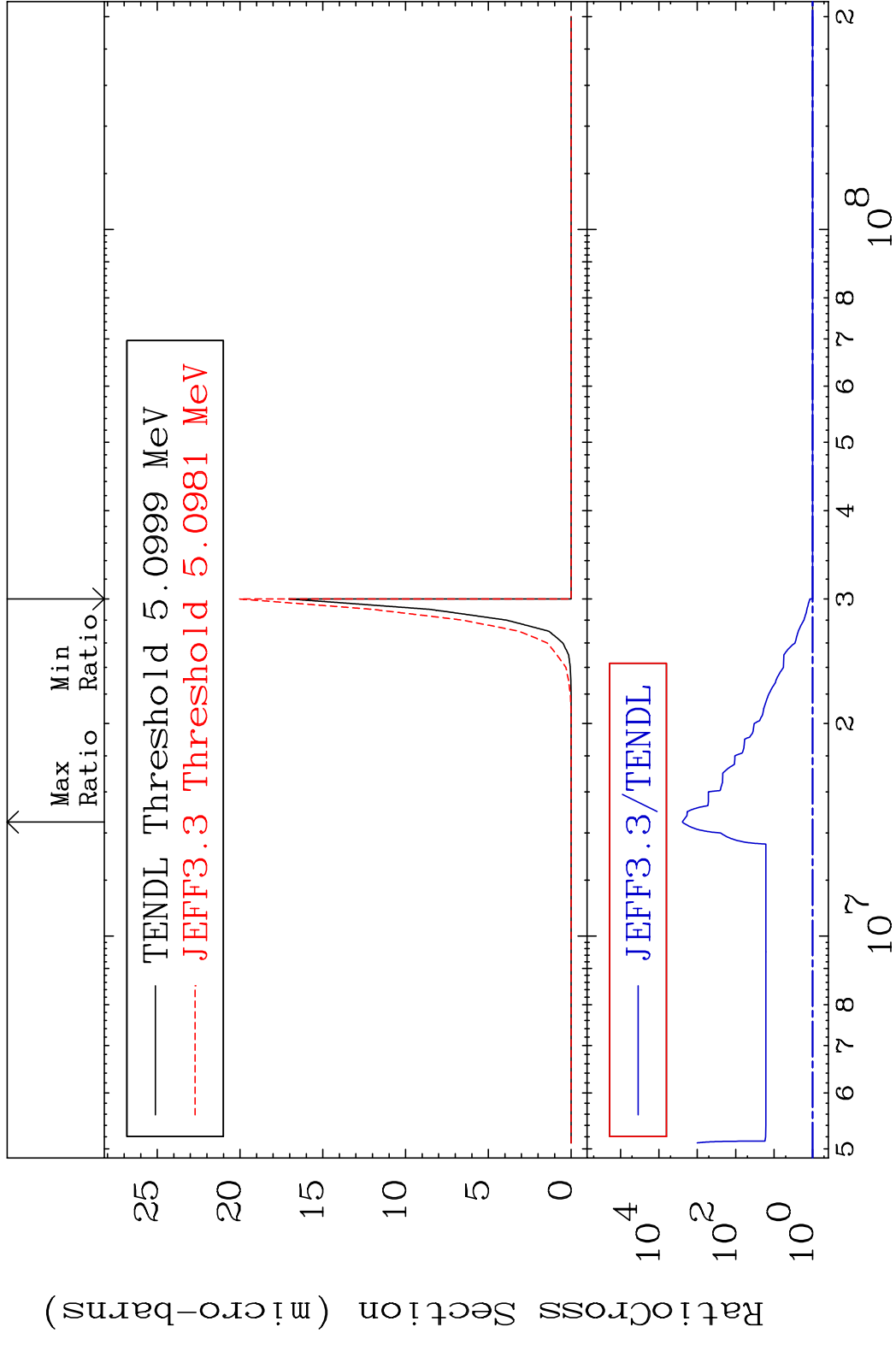


MAT 4519 (n,3n) α :43-Tc-95g 45-Rh-101
 Radionuclide Production Cross Section 9999. %

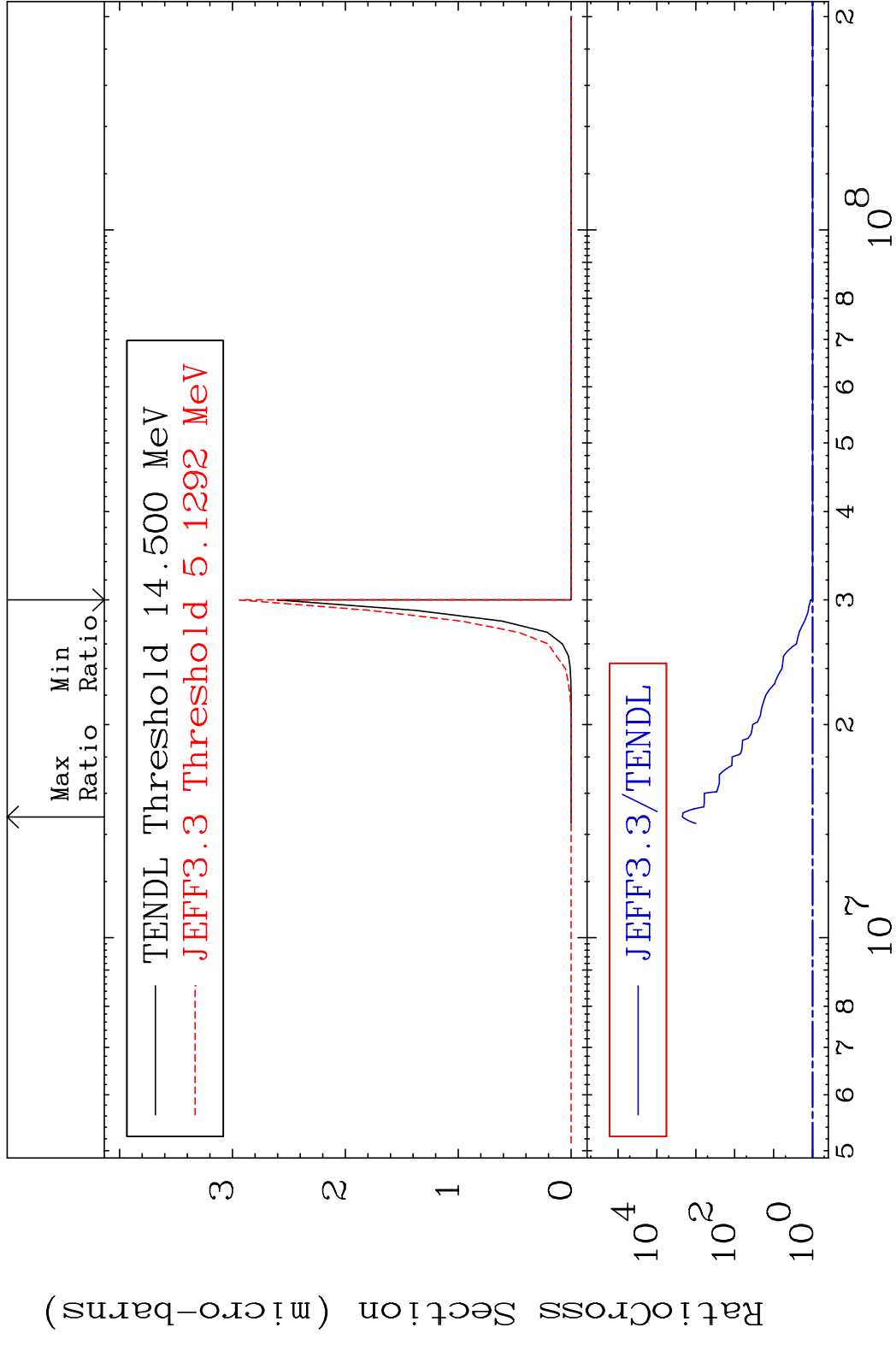


MAT 4519 (n,3n) α :43-Tc-95m1 45-Rh-101
 Radionuclide Production Cross Section 9999. %

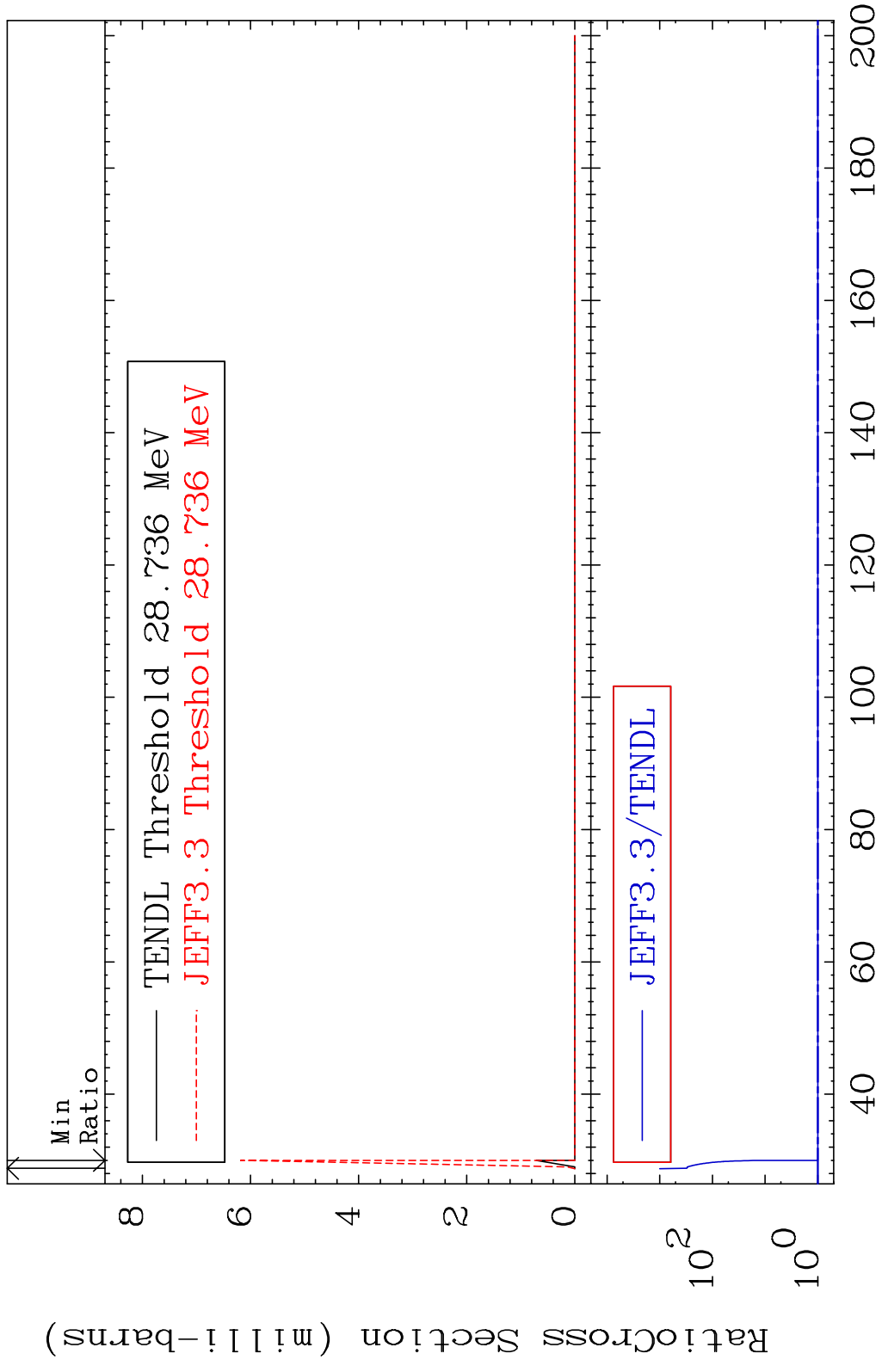


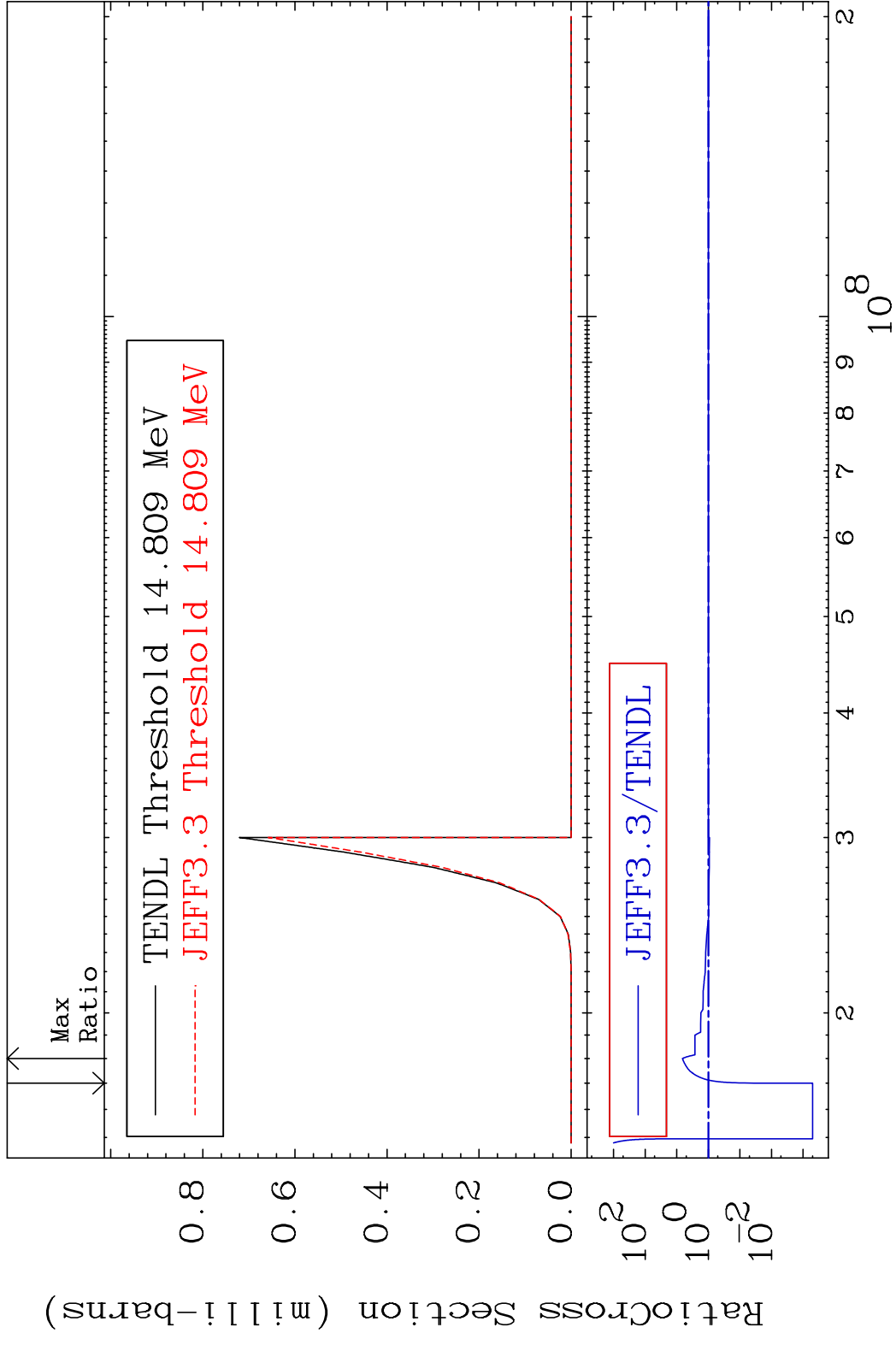


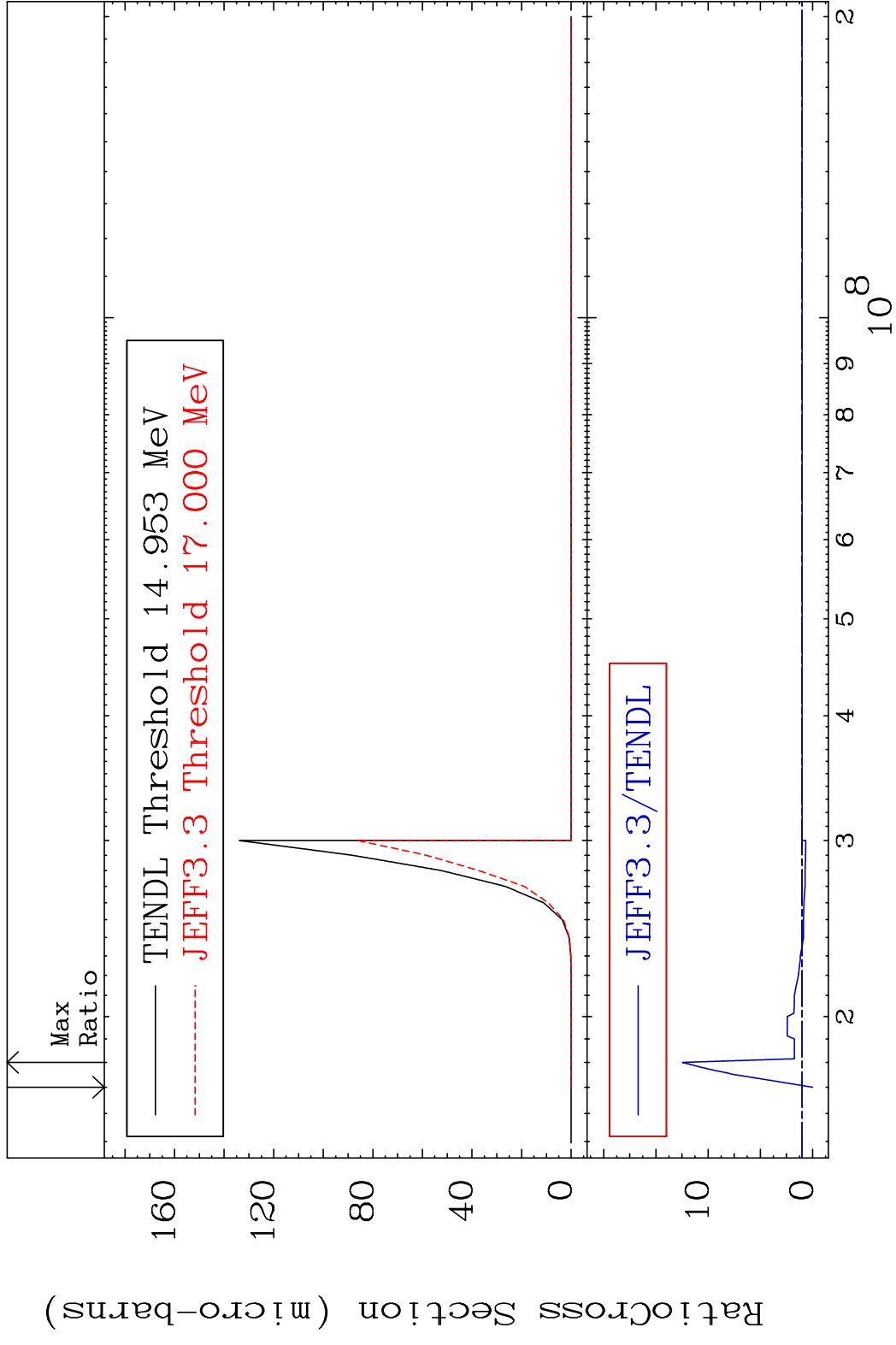
MAT 4519 (n, n') 2α :41-Nb-93m1 45-Rh-101
 Radionuclide Production Cross Section 9999. %

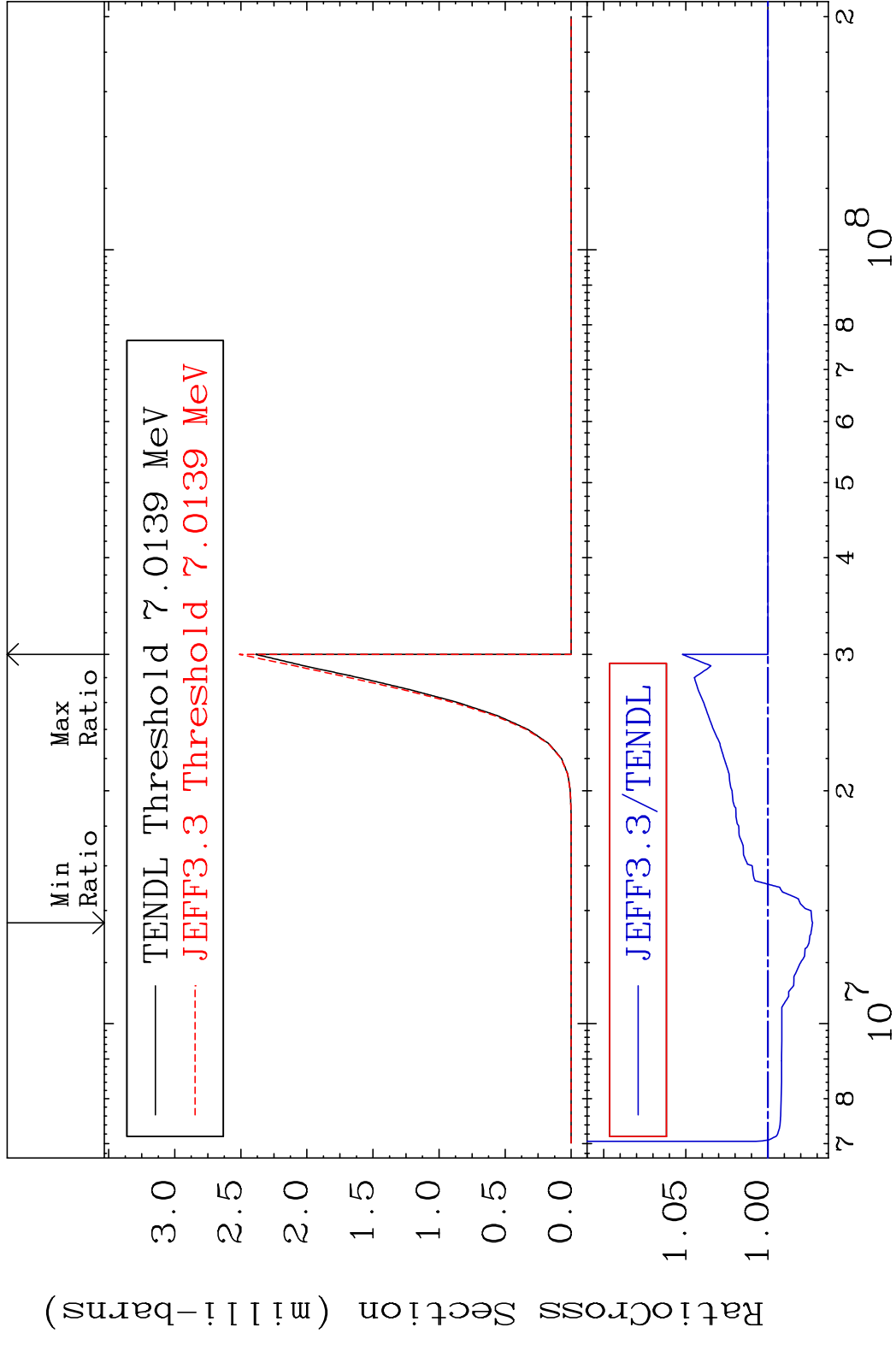


MAT 4519 (n,4n):45-Rh-98g 45-Rh-101
 Radionuclide Production Cross Section 9999. %









MAT 4519 (n, He-3):43-Tc-99m2 45-Rh-101
 Radionuclide Production Cross Section 366610 1.472 %

