

Program Complot
(Version 2021-1)

by

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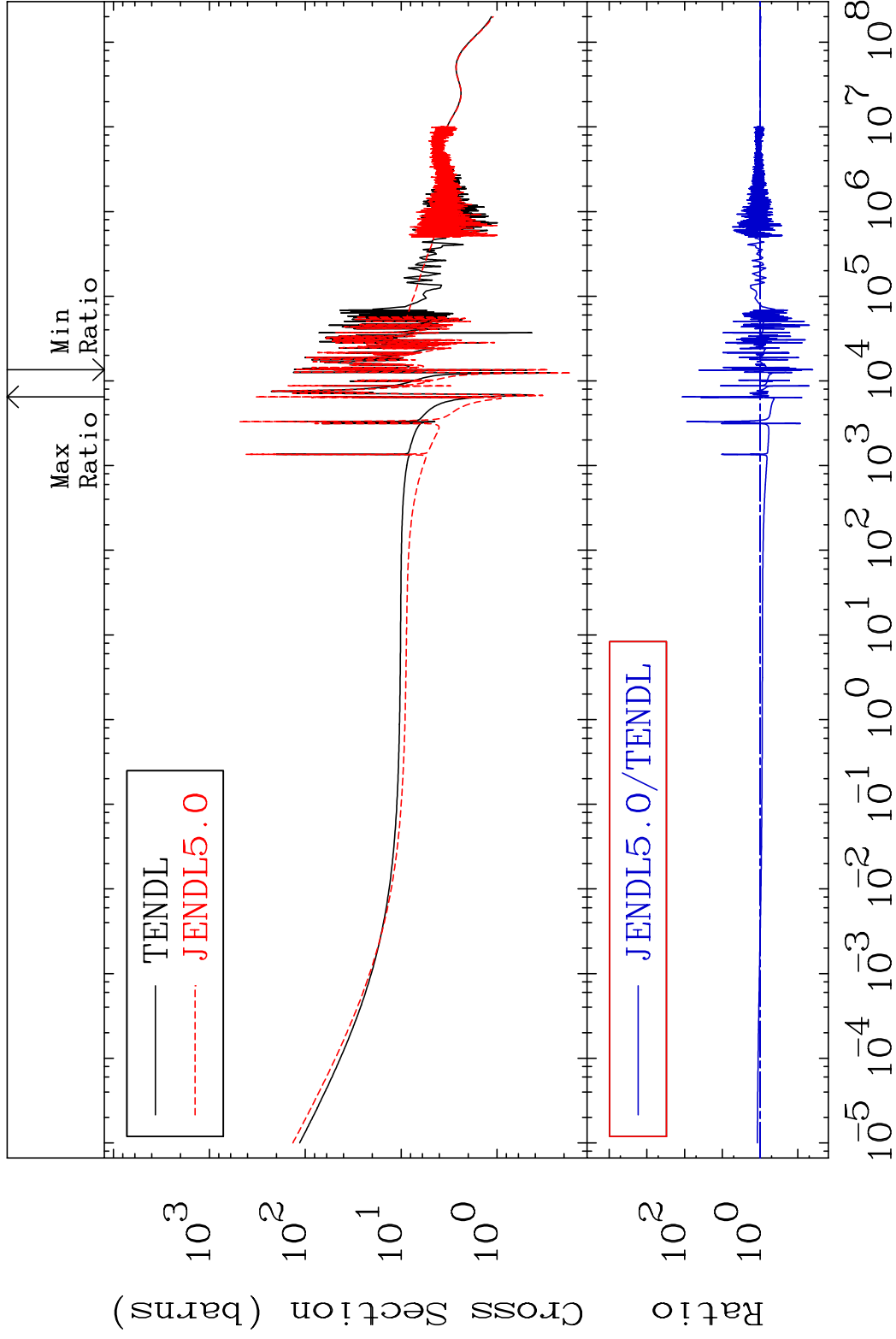
Press Mouse Button to Start

MAT 2834

Total

28-Ni-61

Cross Section -95.93 To 9999. %



1

Incident Energy (eV)

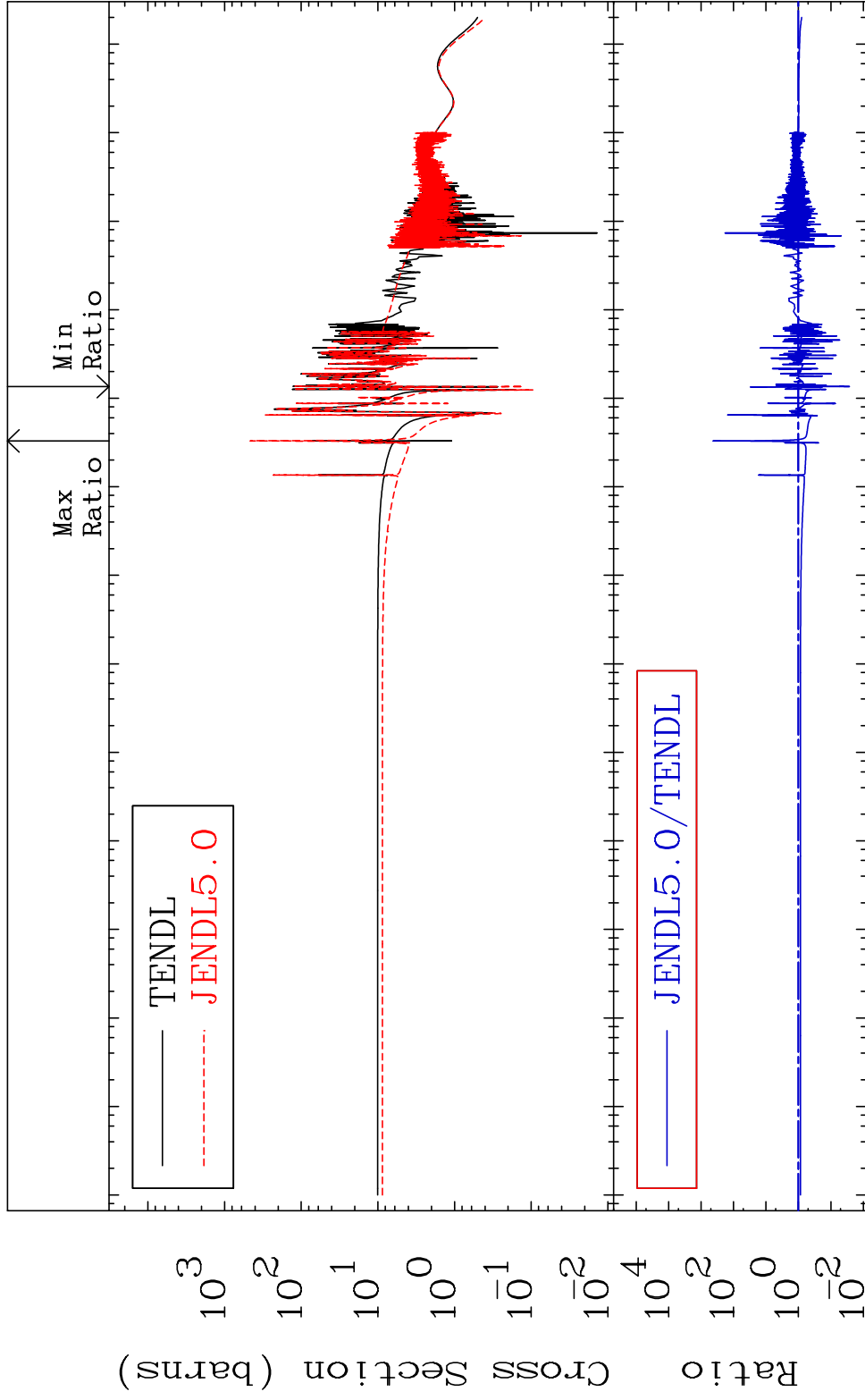
28-Ni-61

MAT 2834

Elastic

28-Ni-61

Cross Section -97.29 To 9999. %

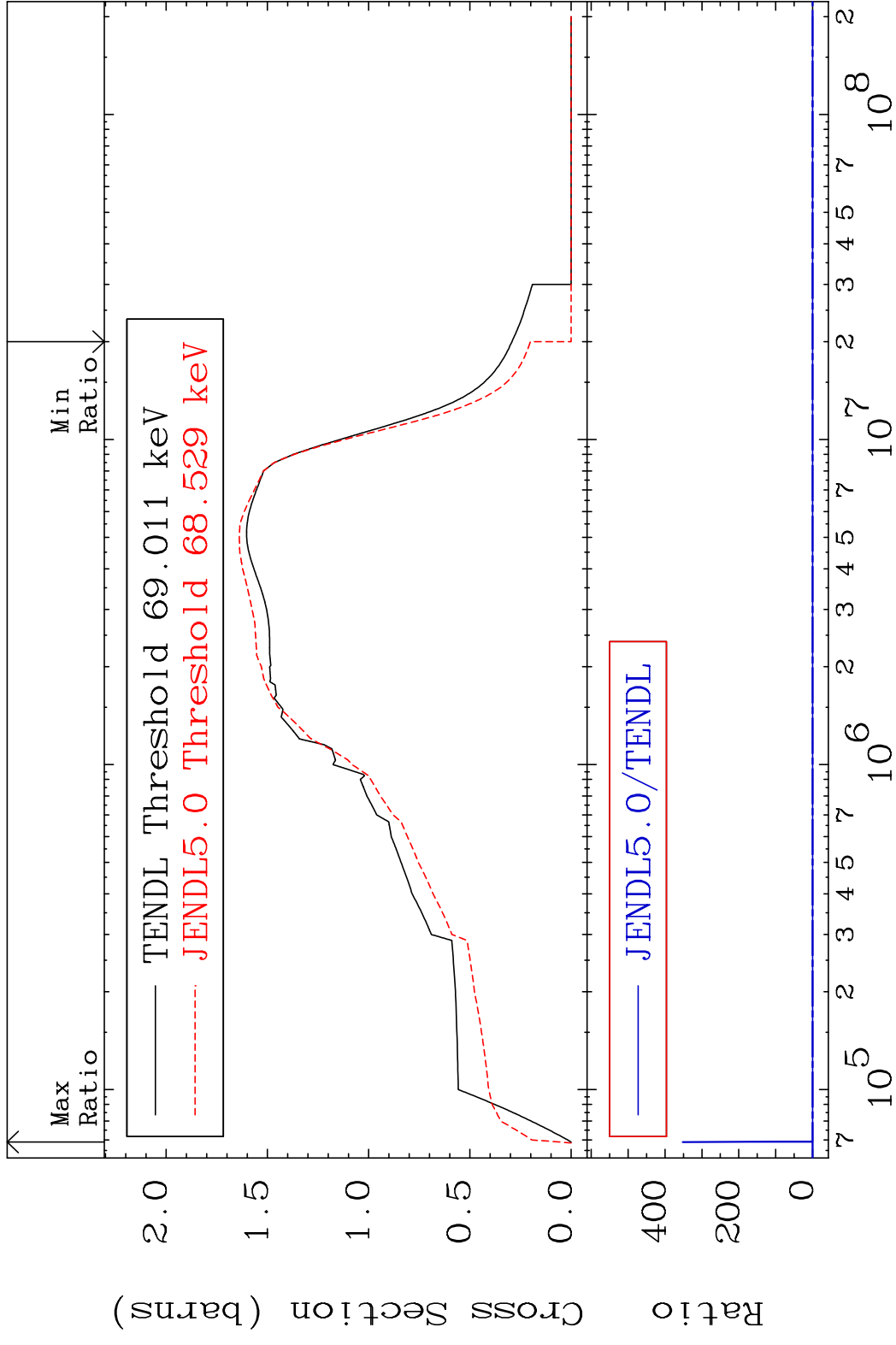


2

Incident Energy (eV)

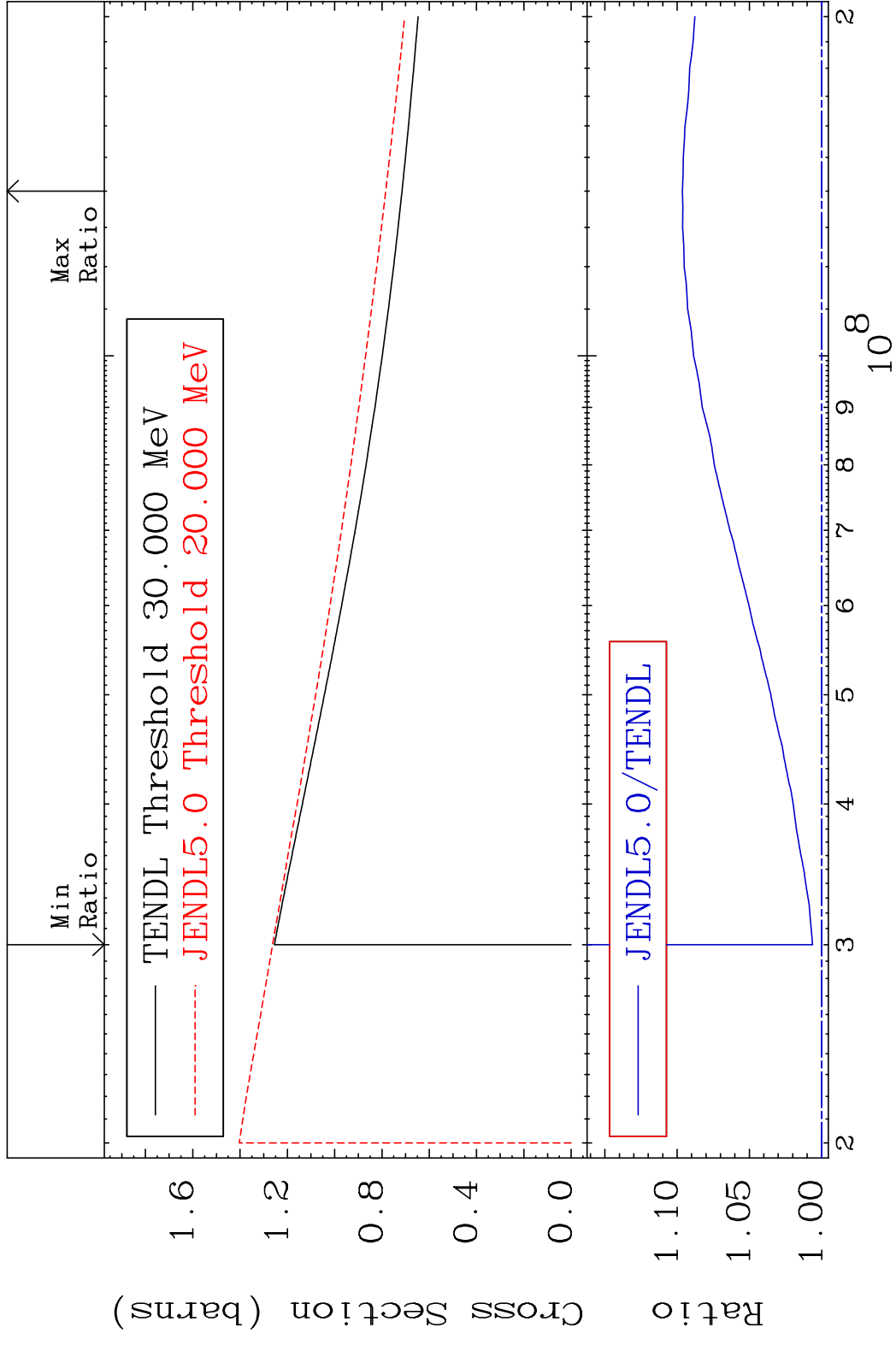
28-Ni-61

MAT 2834 Inelastic 28-Ni-61
 Cross Section -100.0 To 9999. %



3 3 Incident Energy (eV) 28-Ni-61

MAT 2834 (n, remainder) 28-Ni-61
 Cross Section 0.627 To 9.641 %



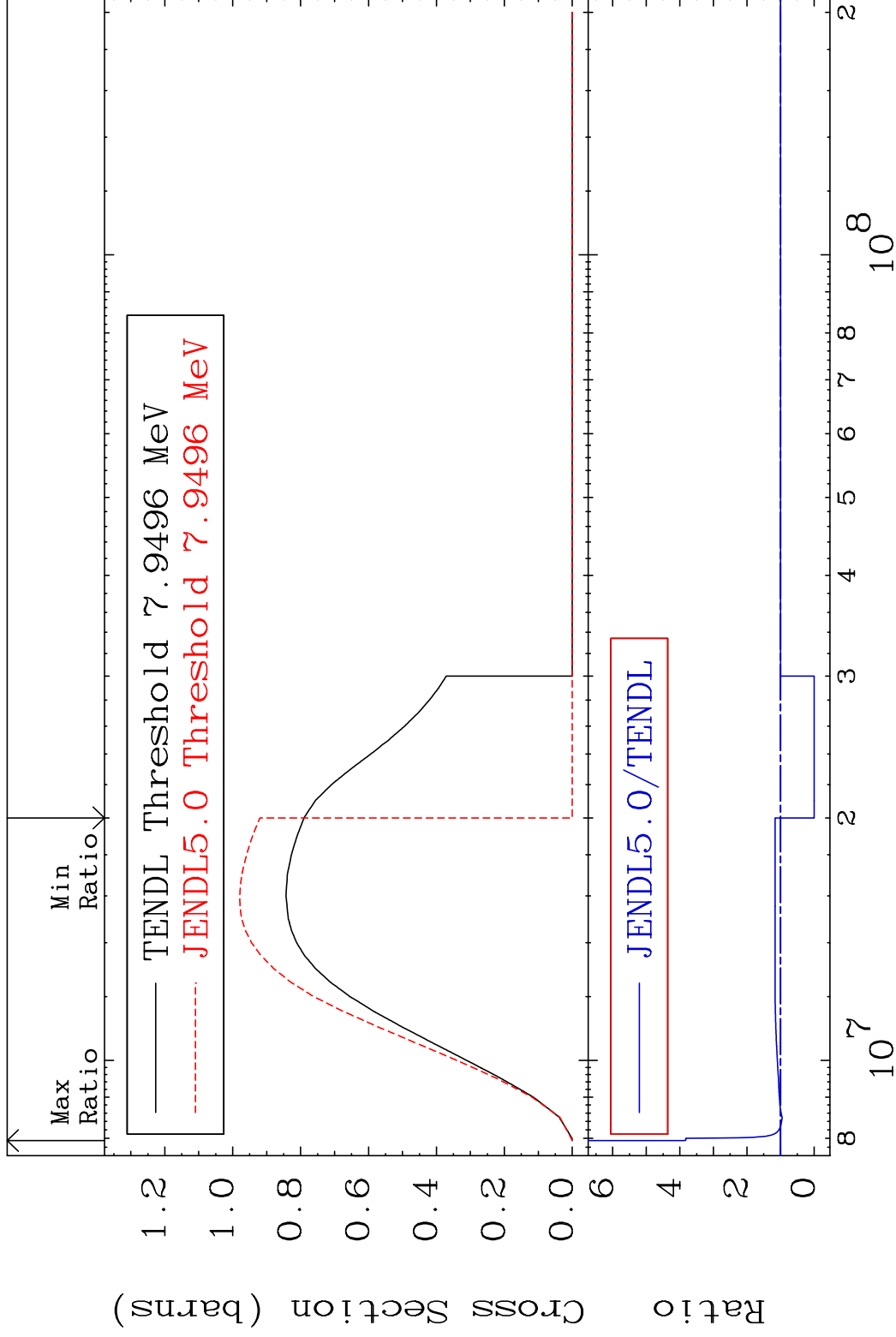
4 Incident Energy (eV) 28-Ni-61

MAT 2834

(n,2n)

²⁸Ni-61

Cross Section -100.0 To 288.6 %

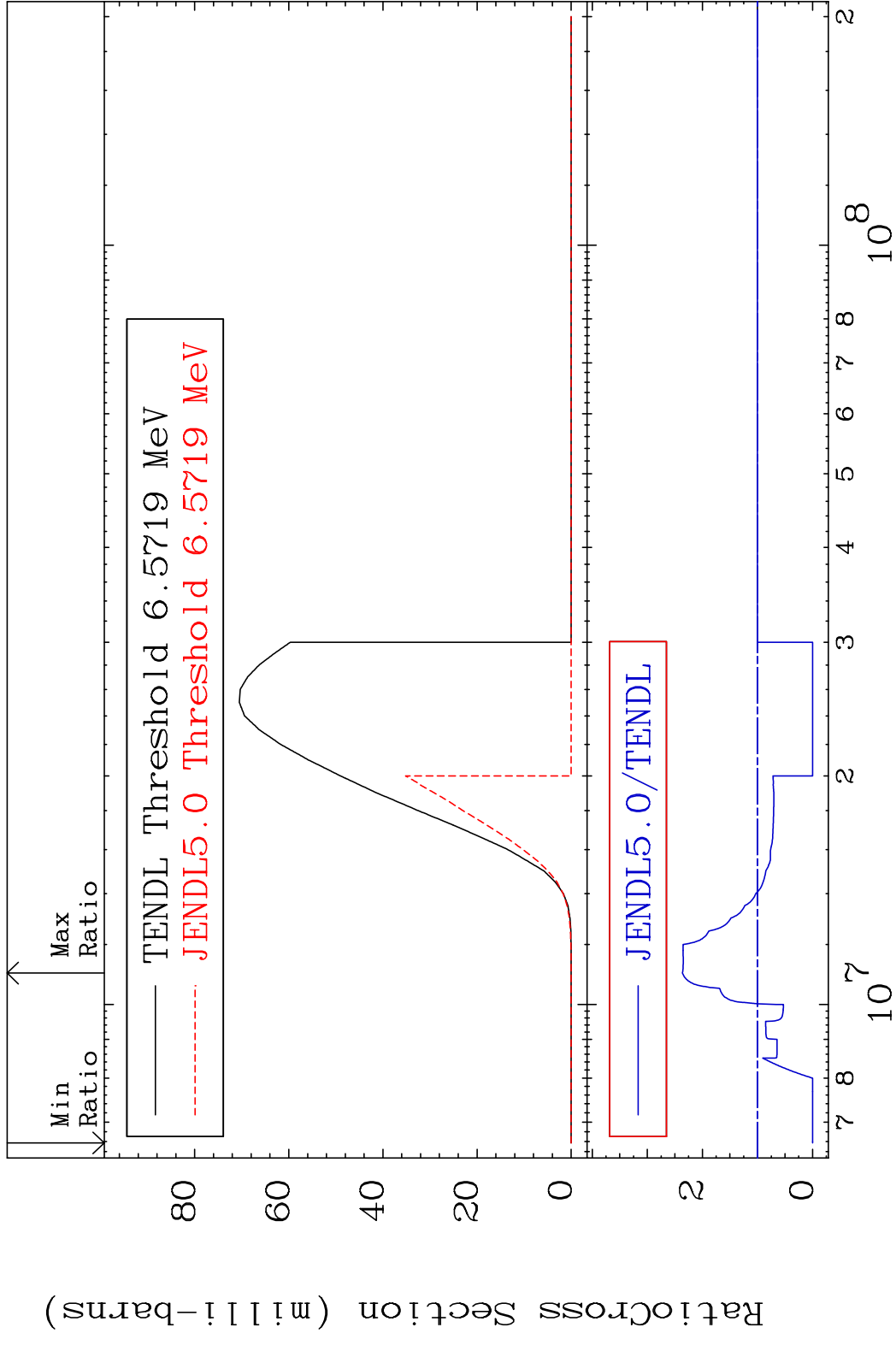


5

Incident Energy (eV)

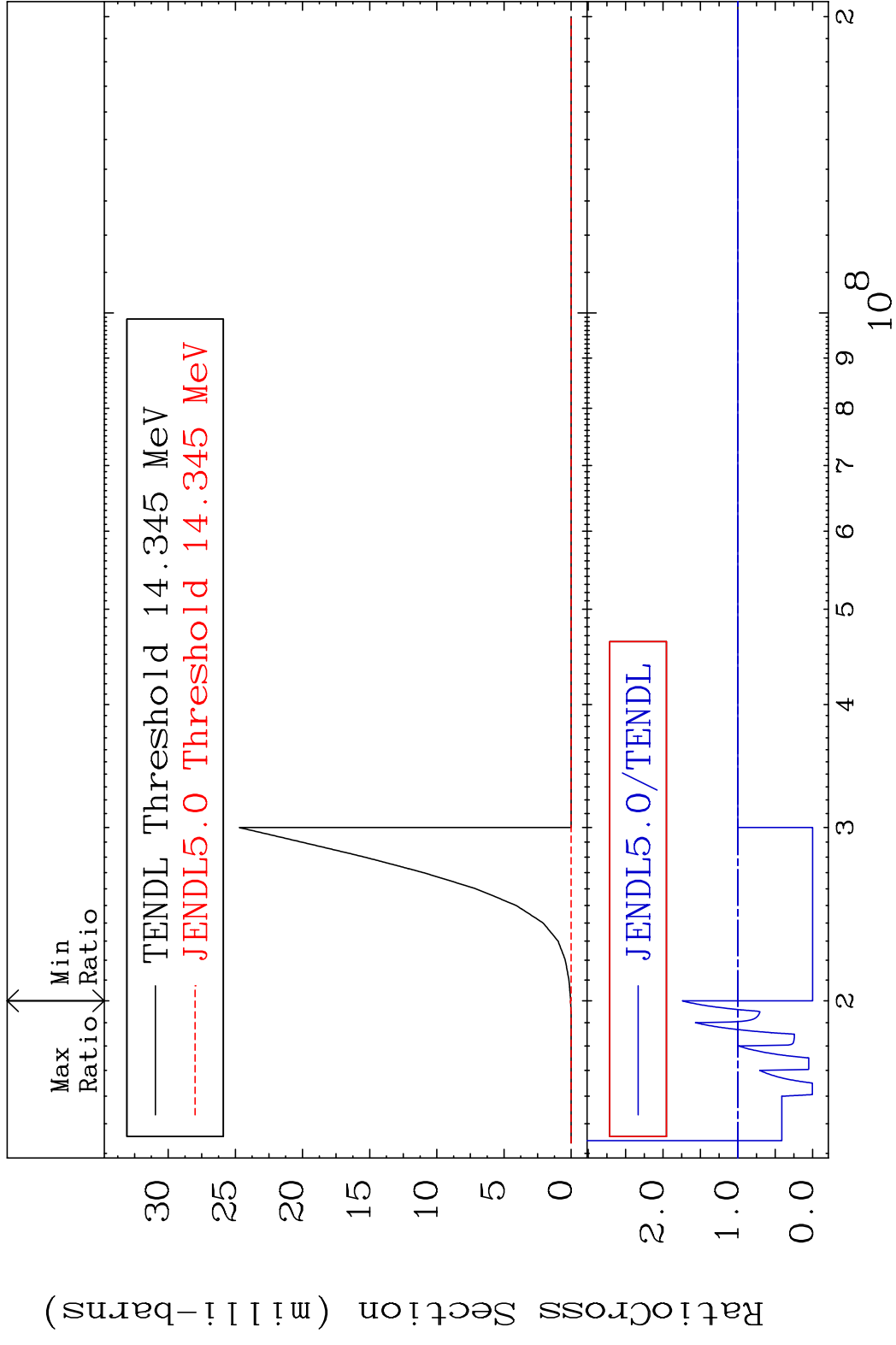
²⁸Ni-61

MAT 2834 (n, n') α 28-Ni-61
 Cross Section -100.0 To 136.4 %



7 8 7 8 10 8 28-Ni-61

MAT 2834 (n,2n) α 28-Ni-61
 Cross Section -100.0 To 74.15 %

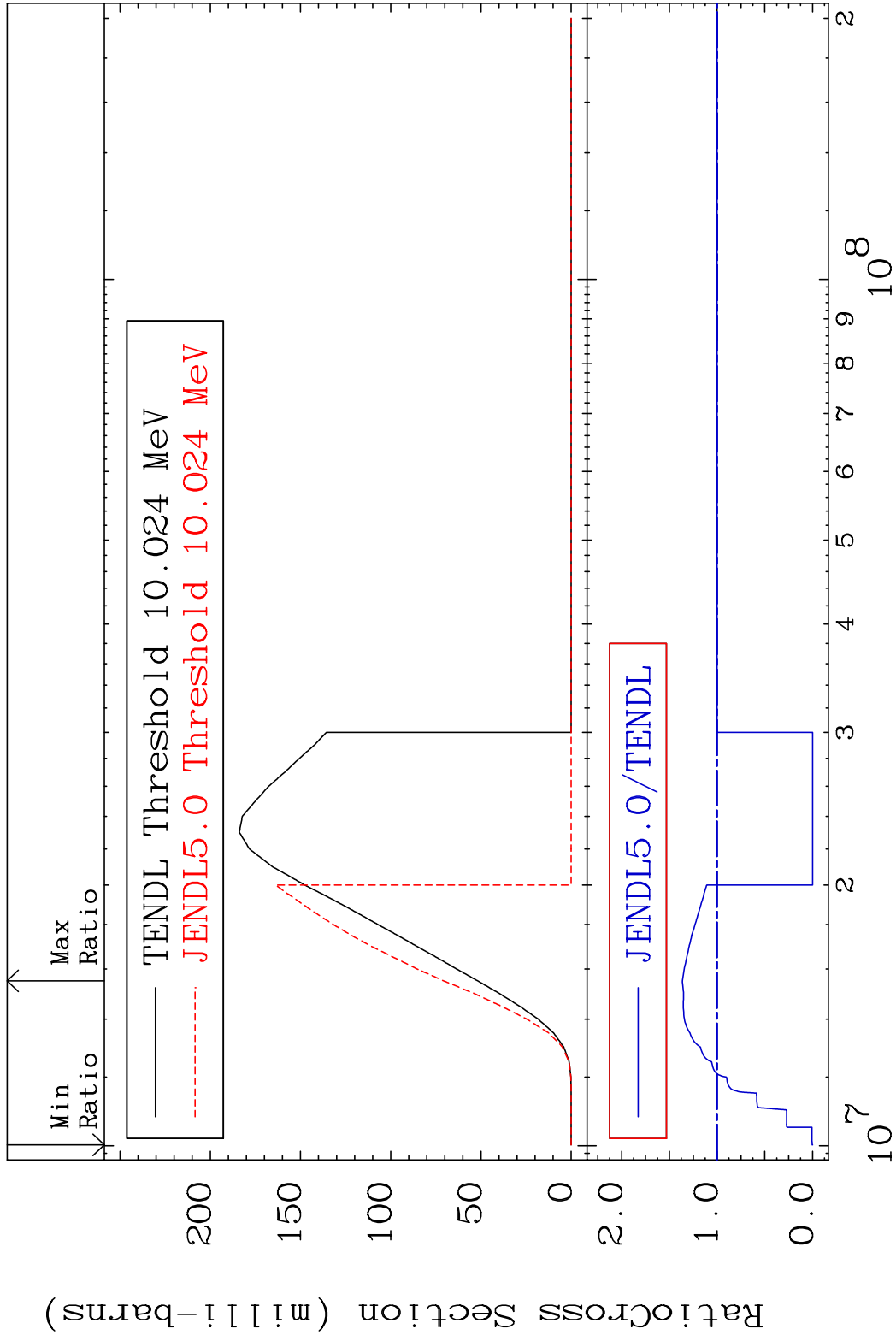


MAT 2834

(n, n') p

28-Ni-61

Cross Section -100.0 To 36.39 %

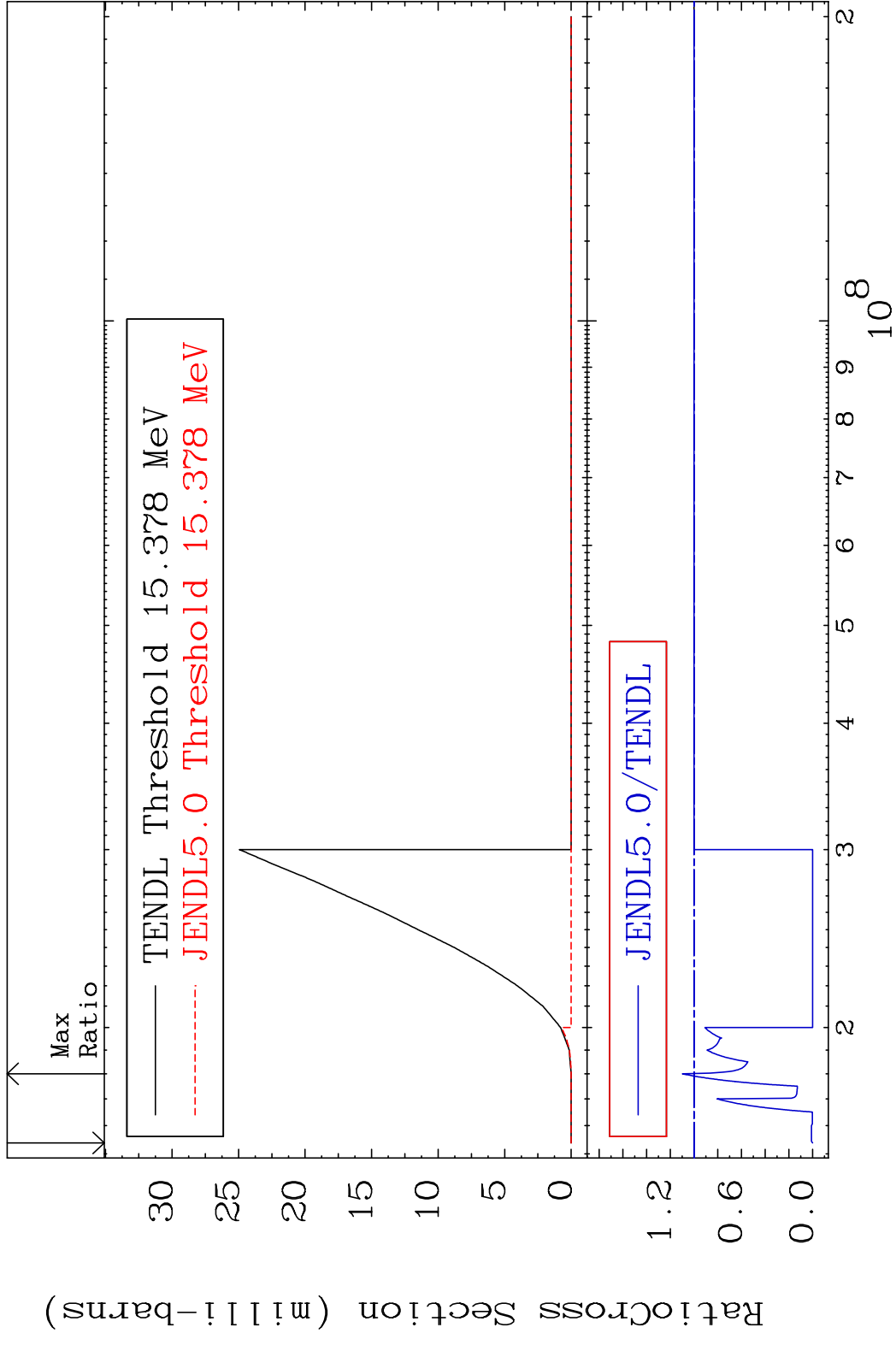


9

Incident Energy (eV)

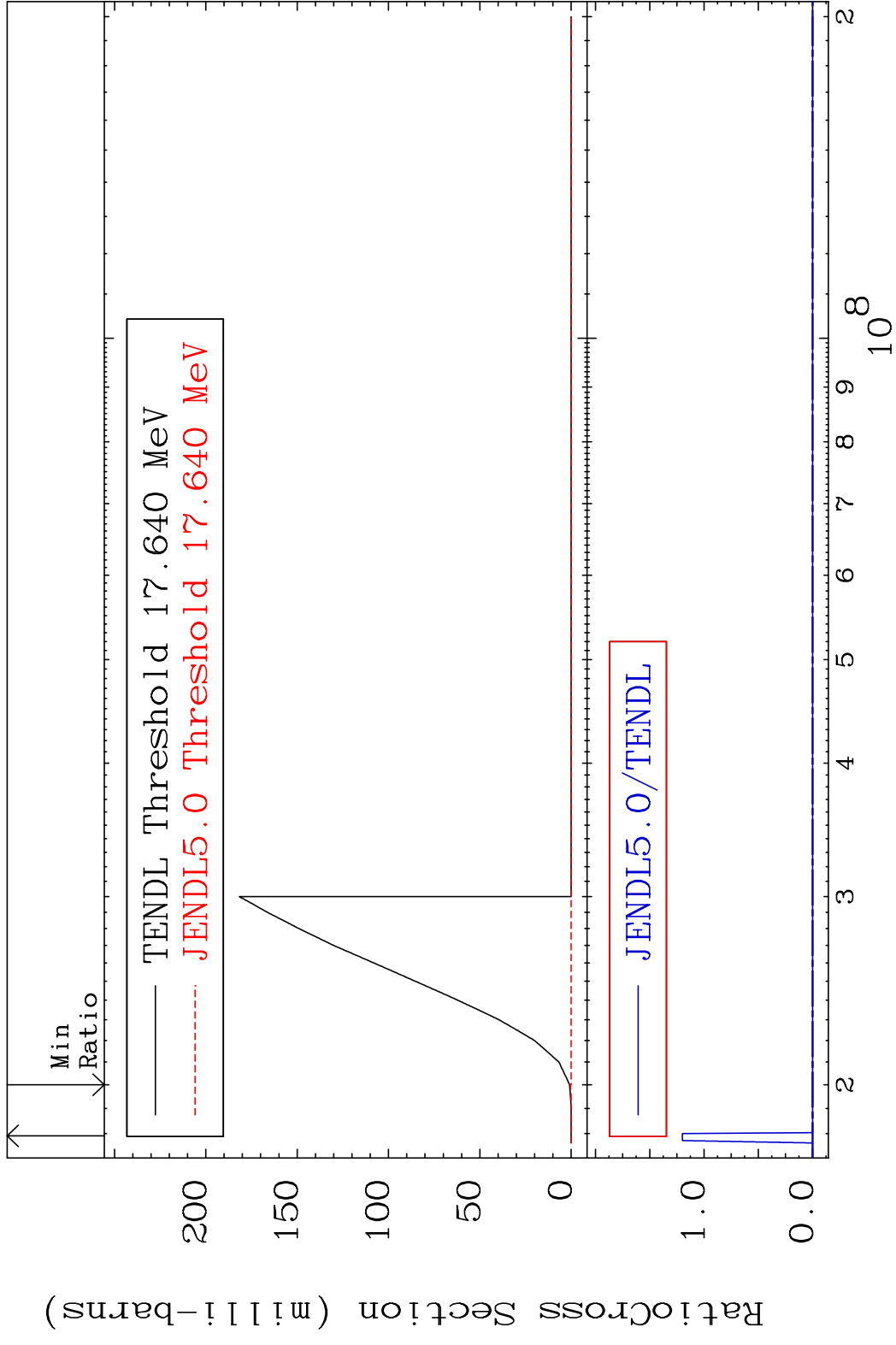
28-Ni-61

MAT 2834 (n, n') d 28-Ni-61
 Cross Section -100.0 To 9.792 %

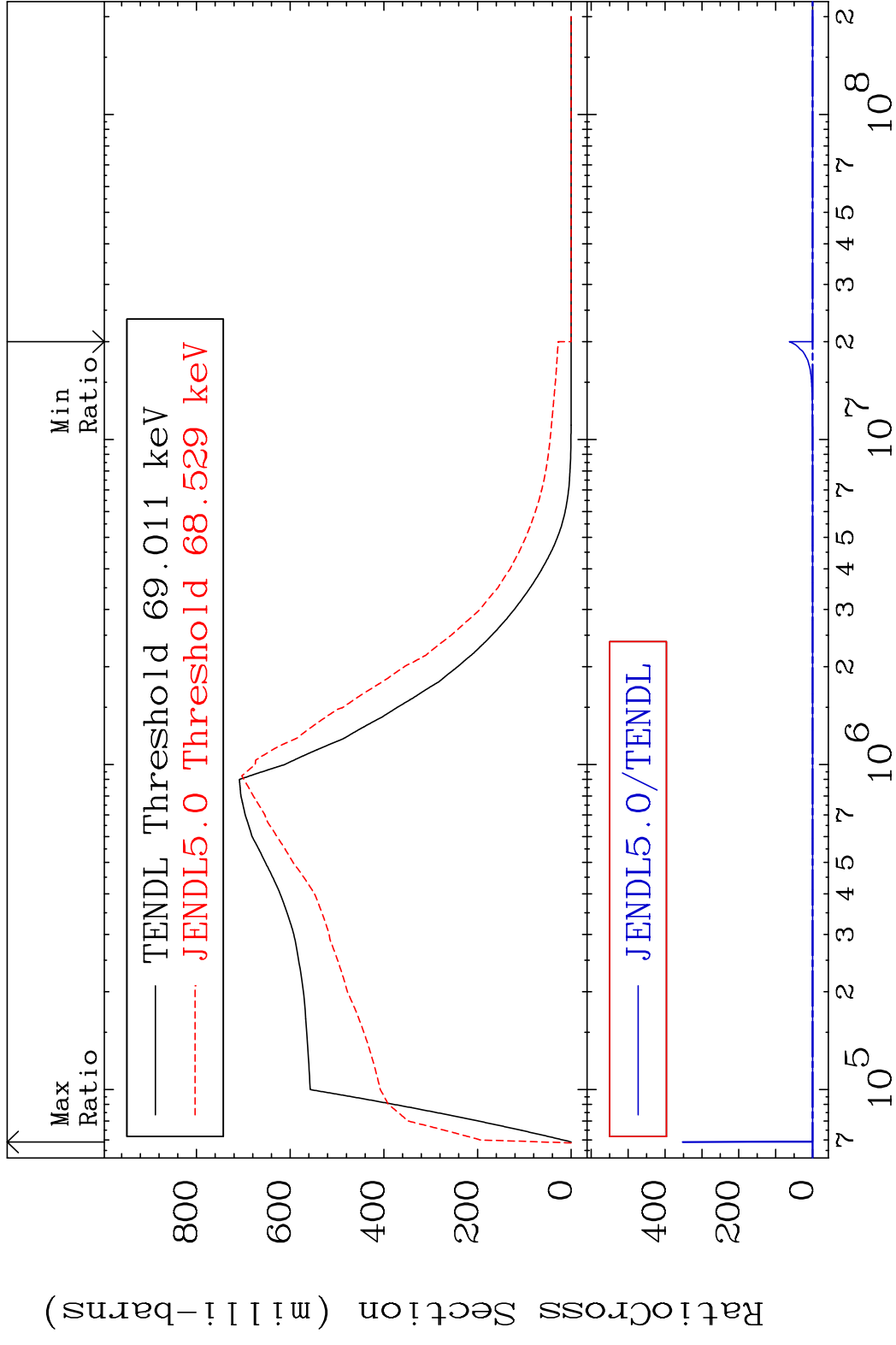


10 Incident Energy (eV) 28-Ni-61

MAT 2834 (n,2n) p 28-Ni-61
 Cross Section -100.0 To 9999. %

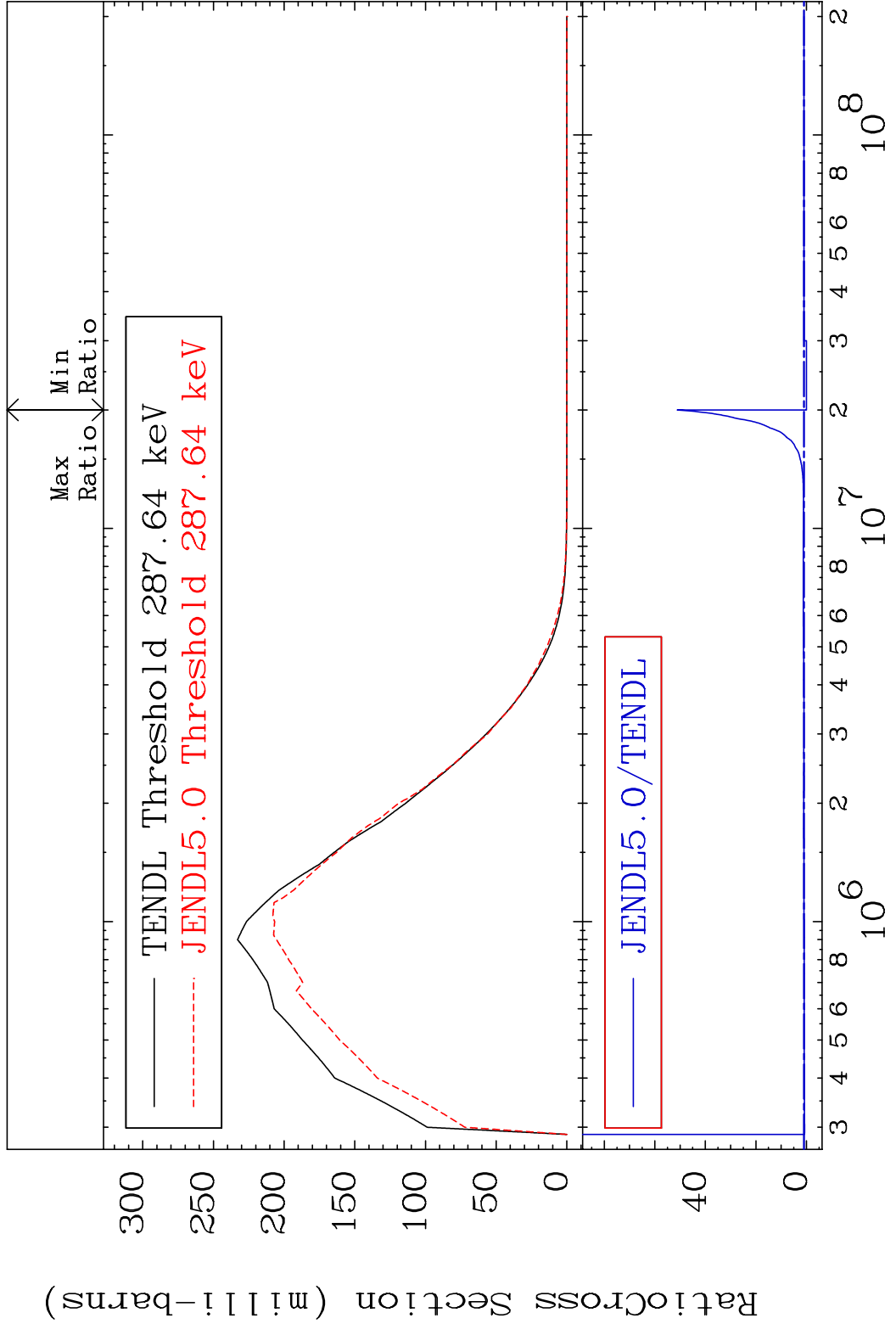


MAT 2834 MT= 51 (n,n') Level 28-Ni-61
Cross Section -100.0 To 9999. %

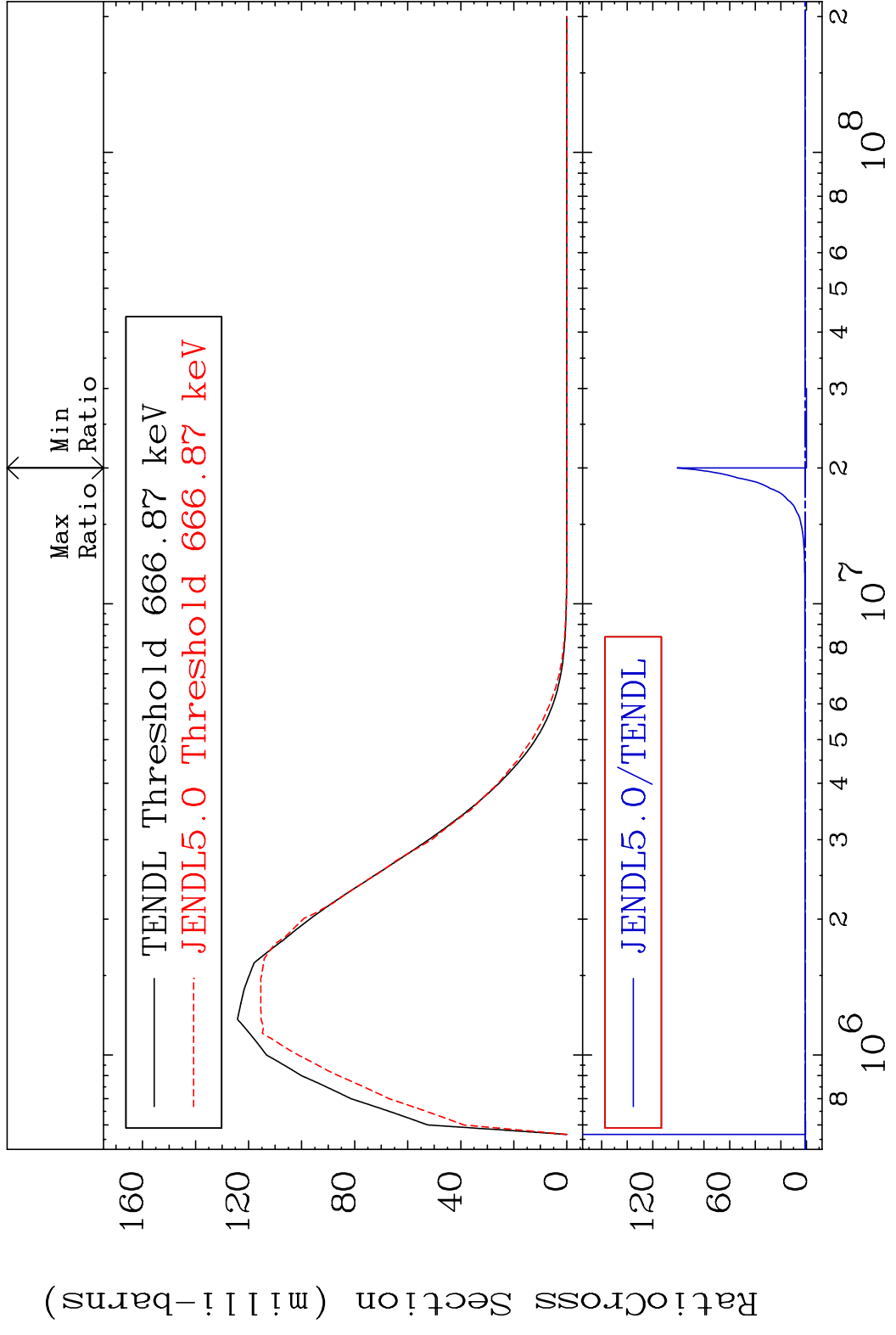


12 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 52 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 5014. %

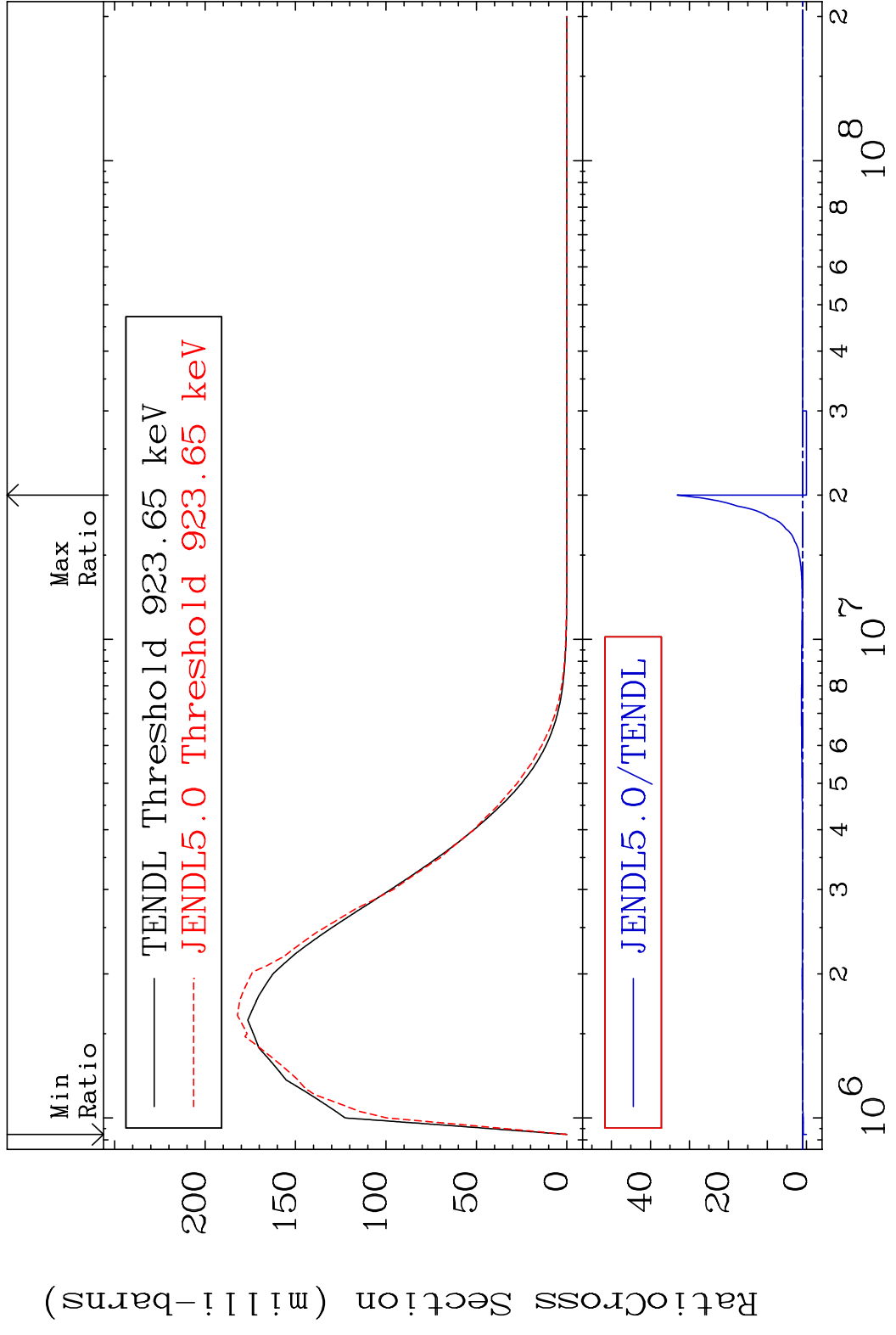


MAT 2834 MT= 53 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 9999. %



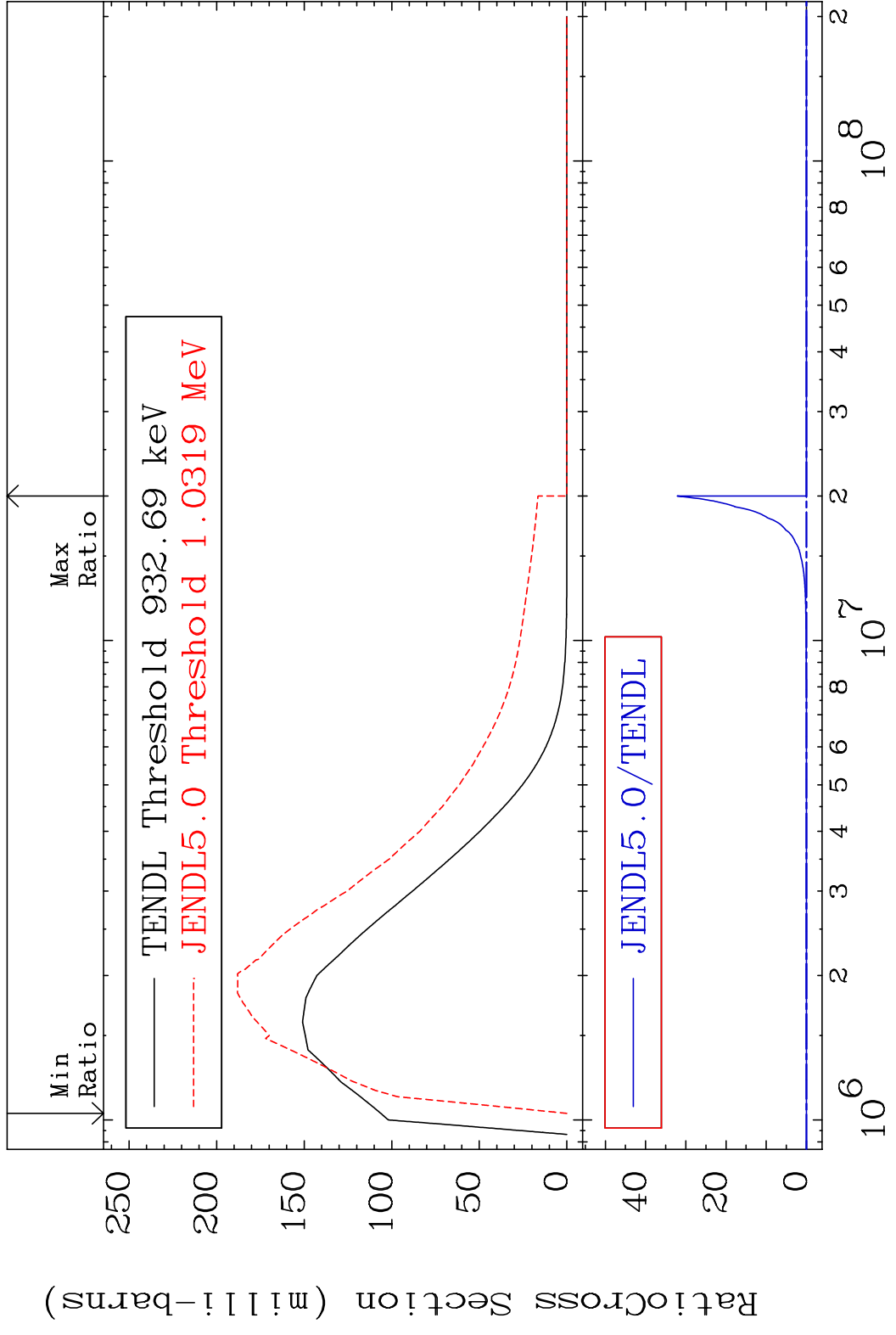
14 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 54 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 3213. %



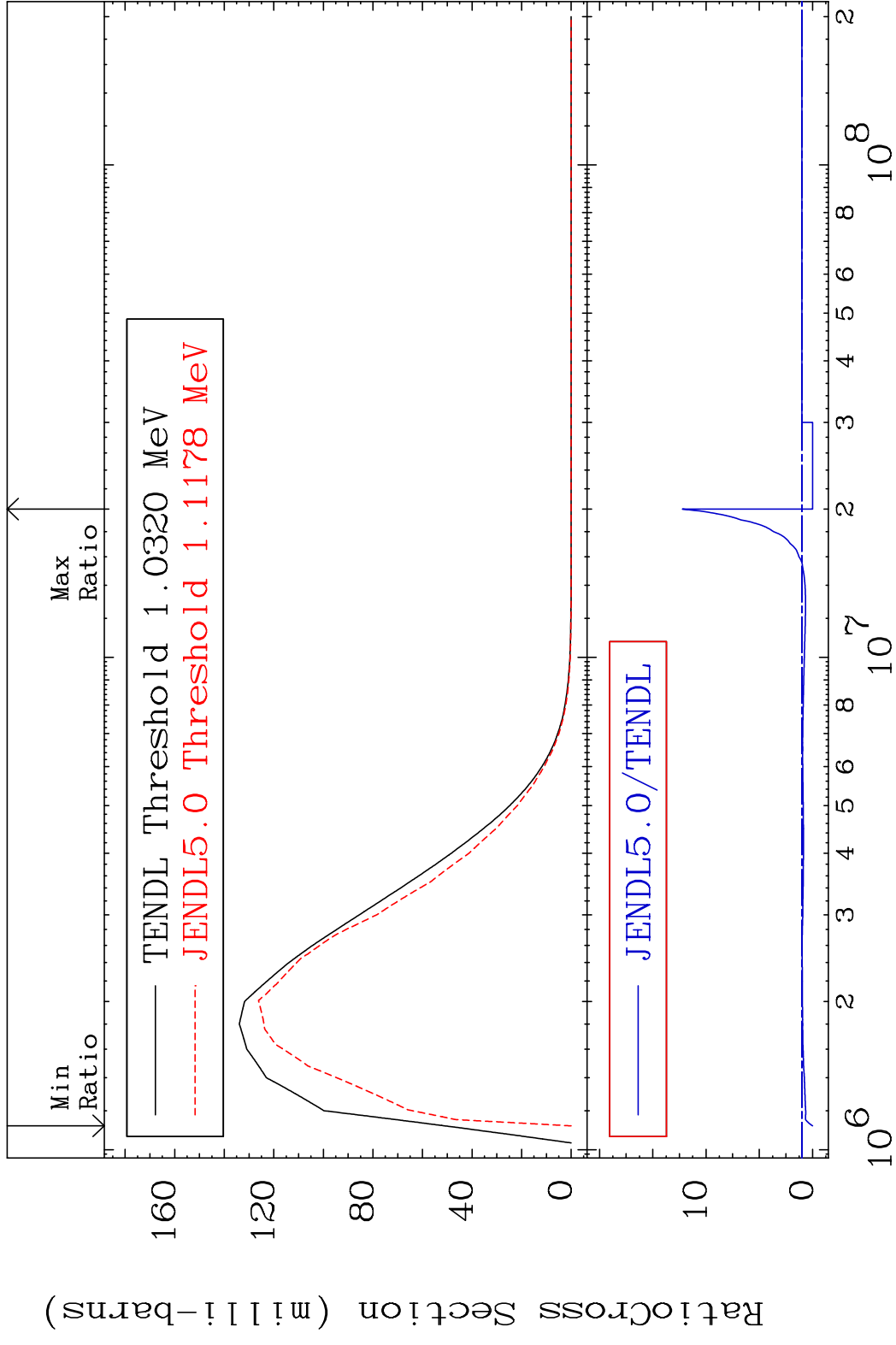
15 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 55 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 9999. %



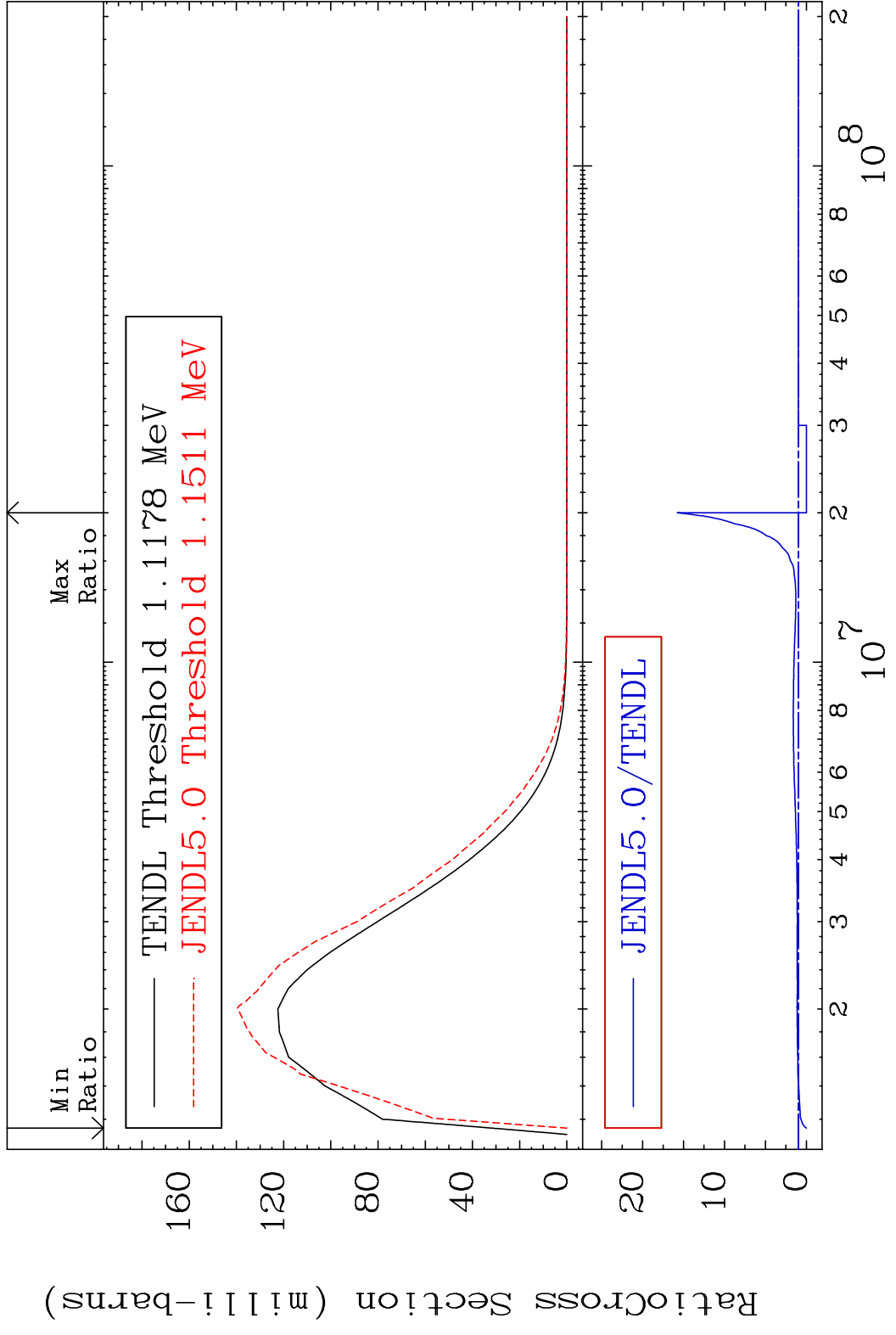
16 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 56 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 1122. %

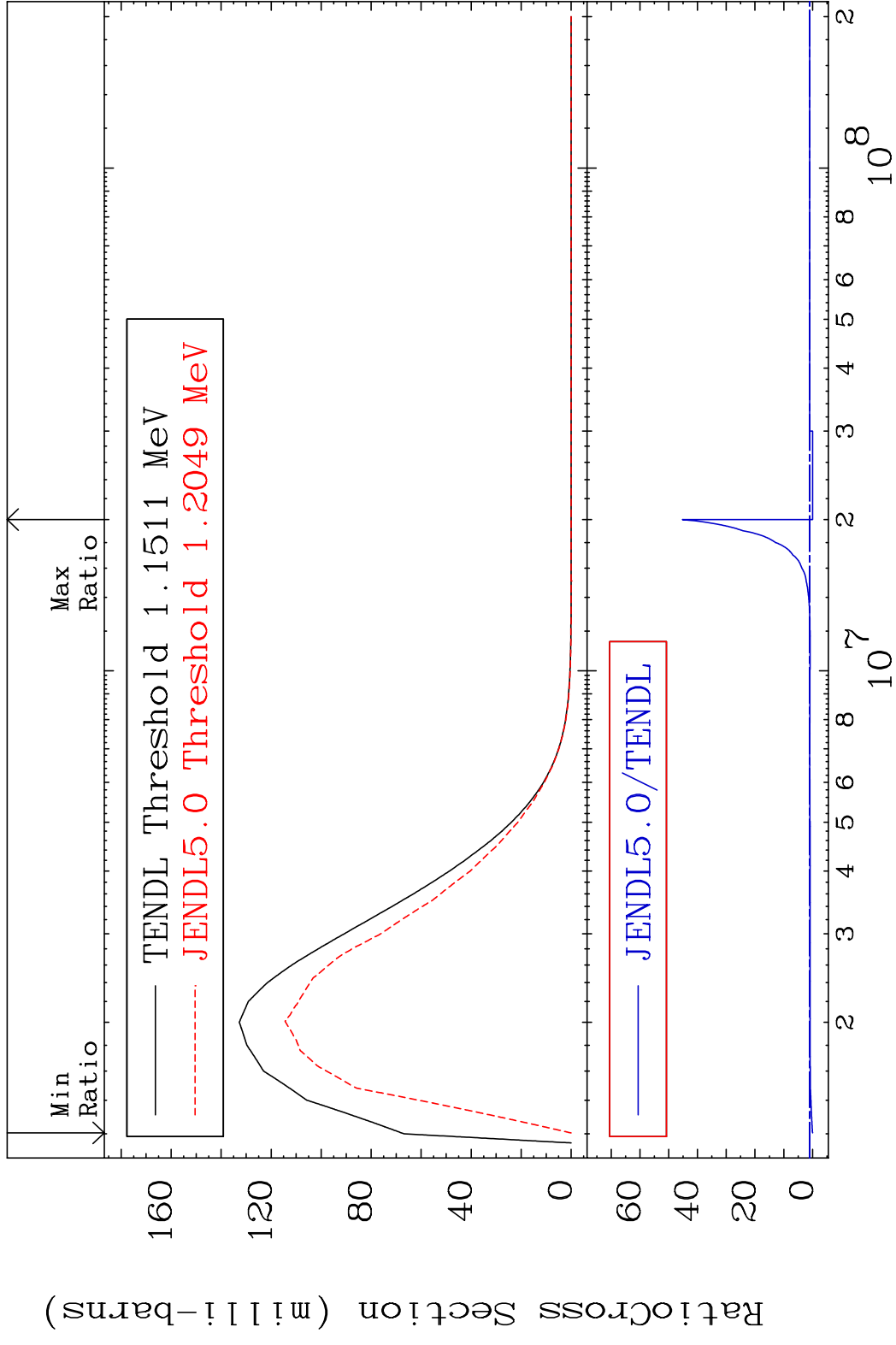


17 28-Ni-61

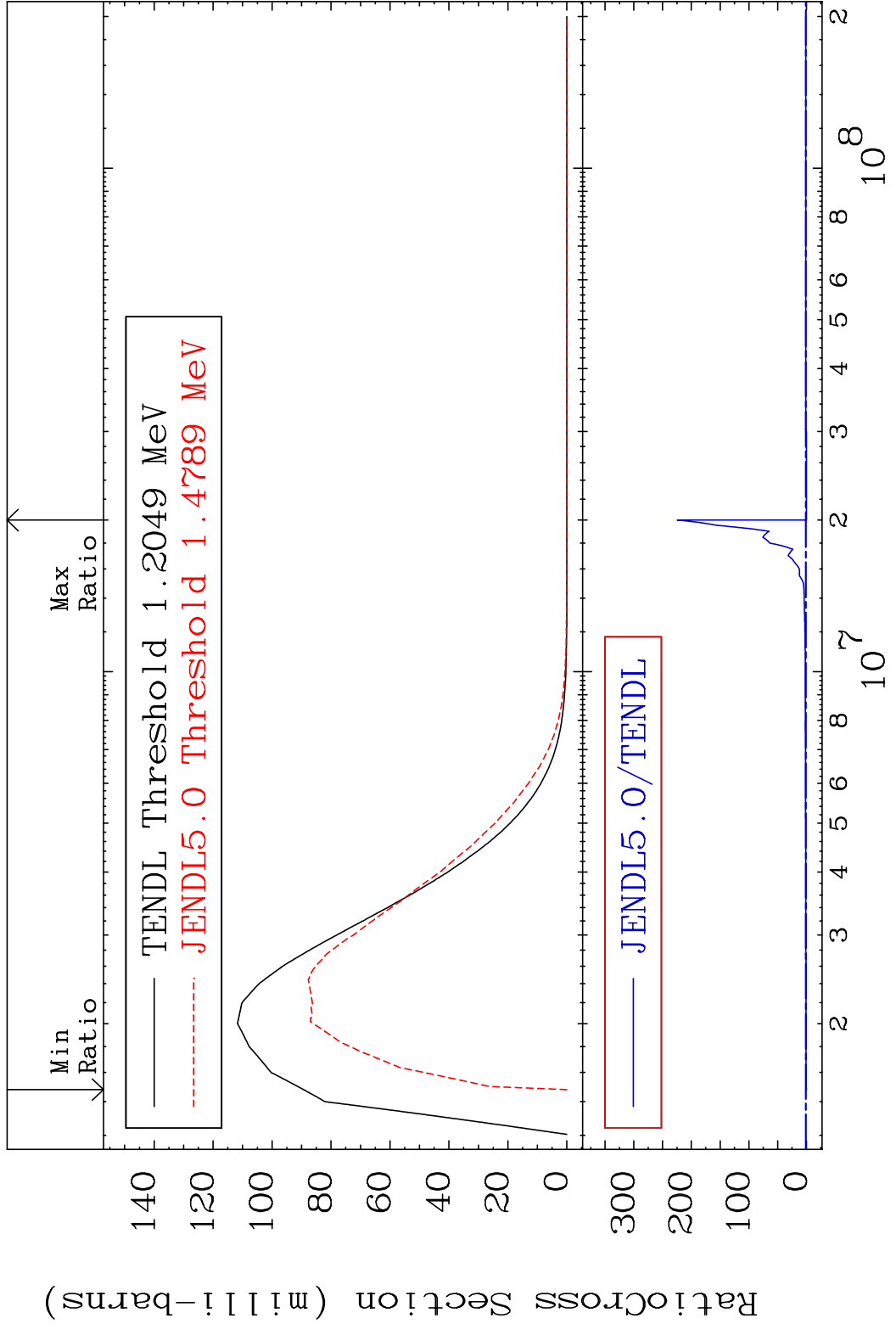
MAT 2834 MT= 57 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 1478. %



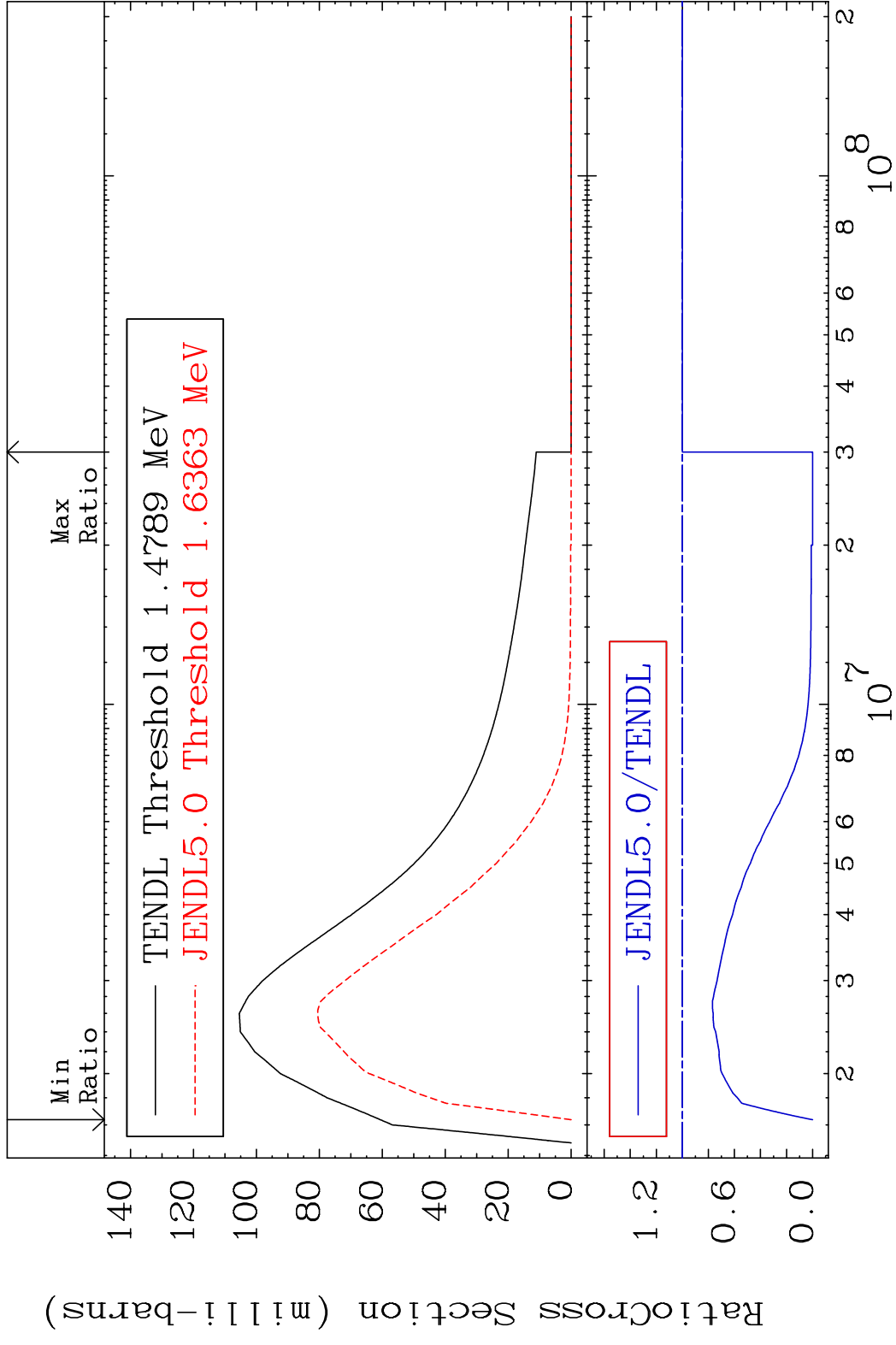
MAT 2834 MT= 58 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 4426. %



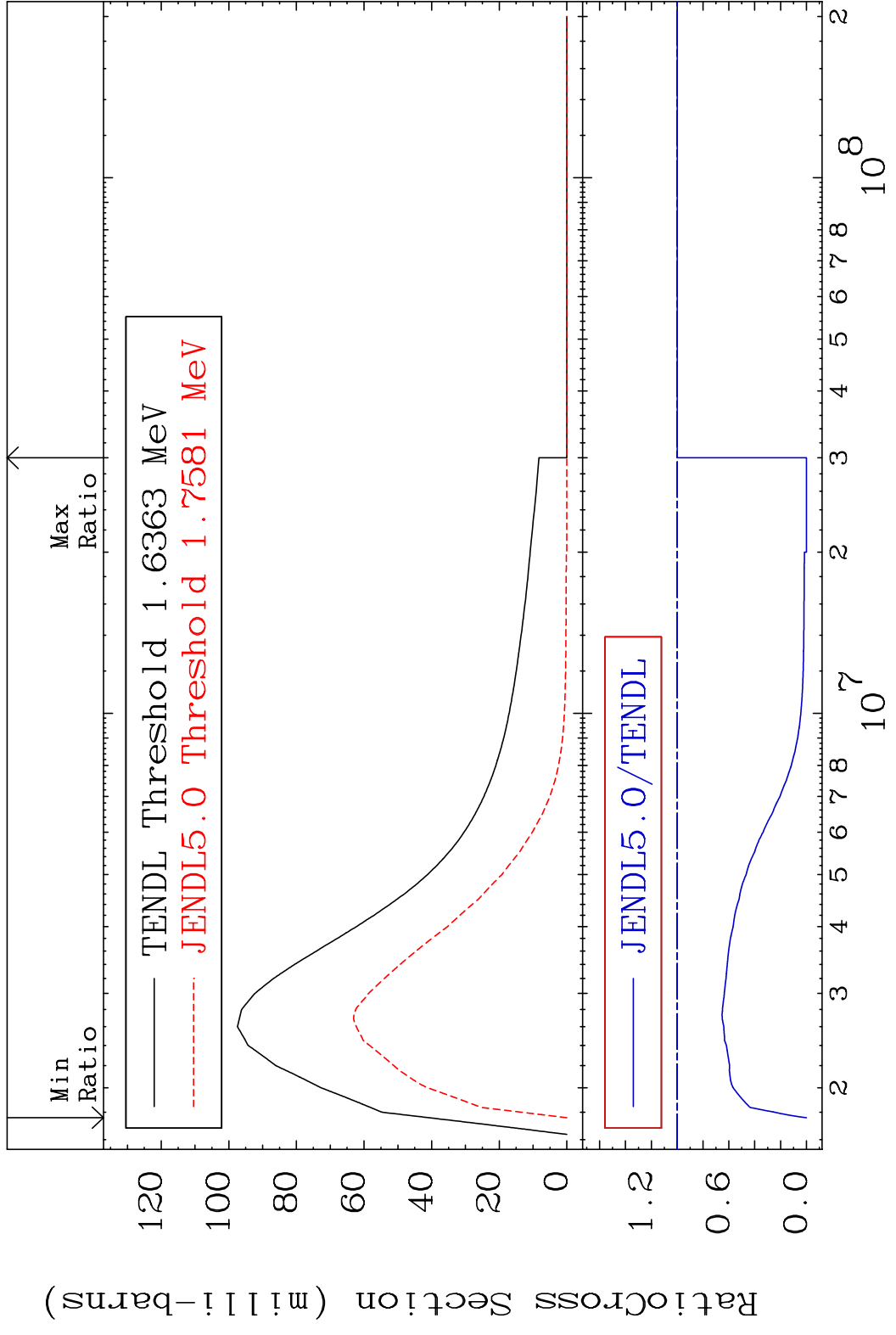
MAT 2834 MT= 59 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 9999. %



MAT 2834 MT= 60 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 0.000 %

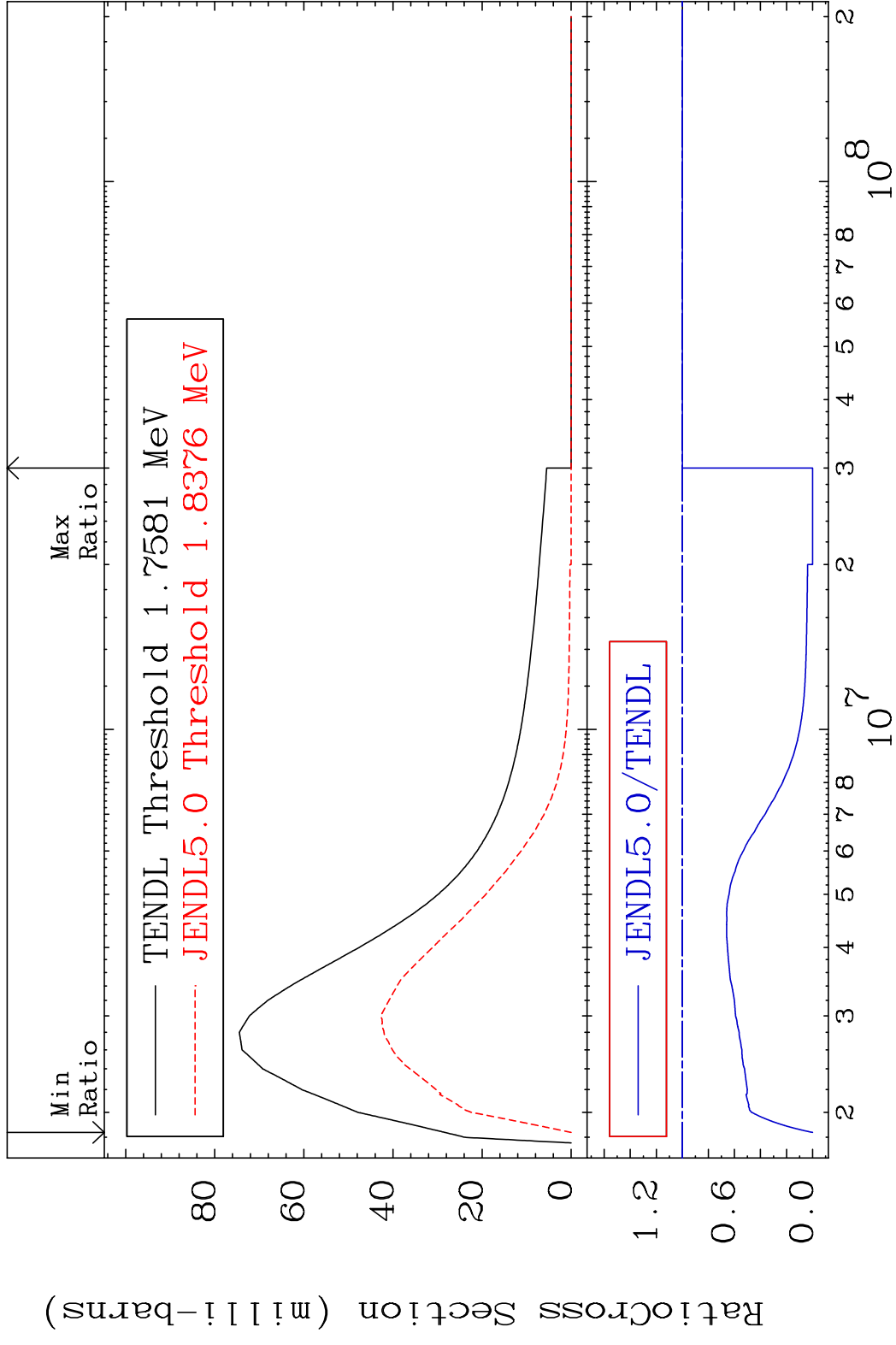


MAT 2834 MT= 61 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 0.000 %

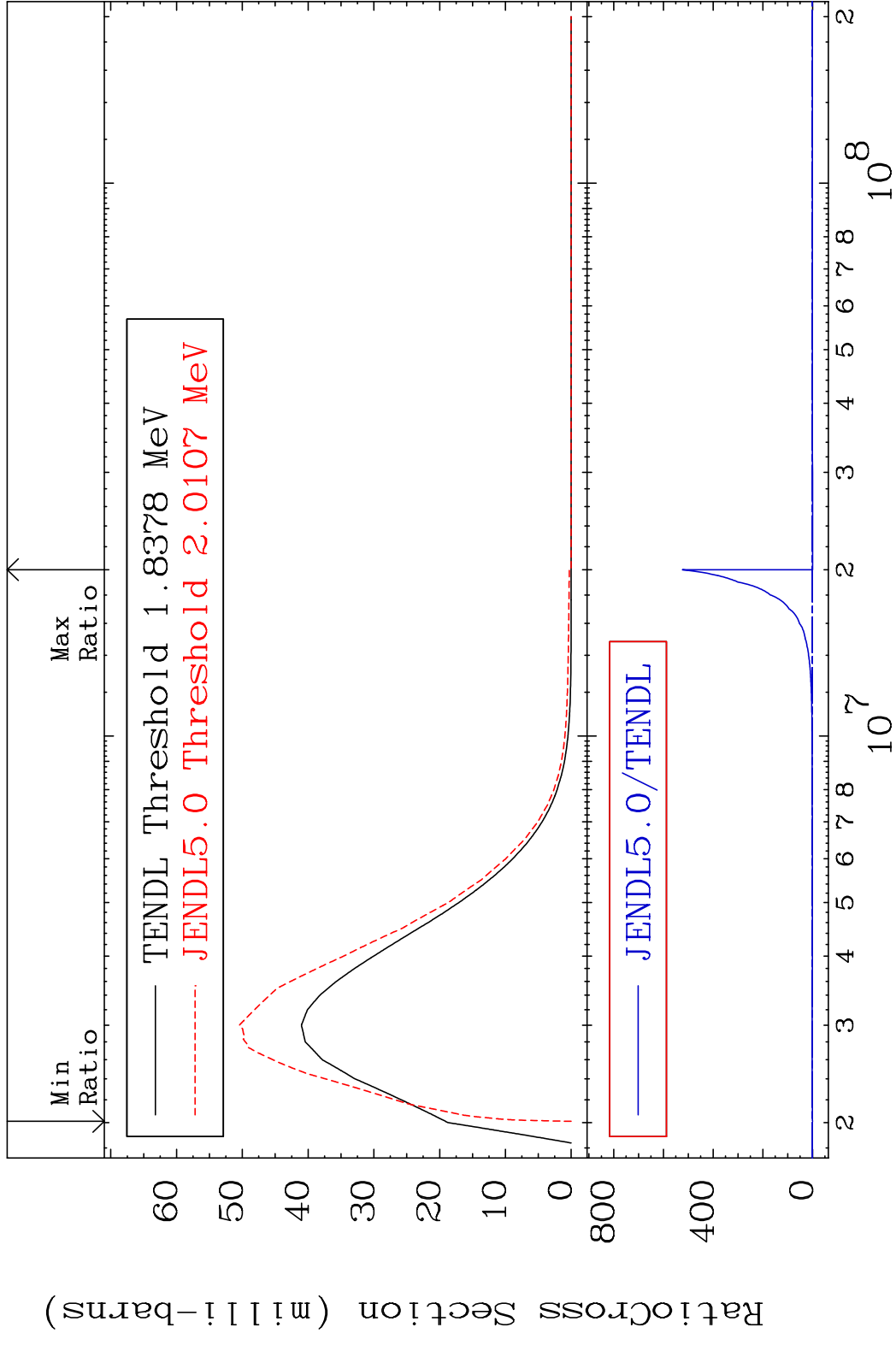


22 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 62 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 0.000 %

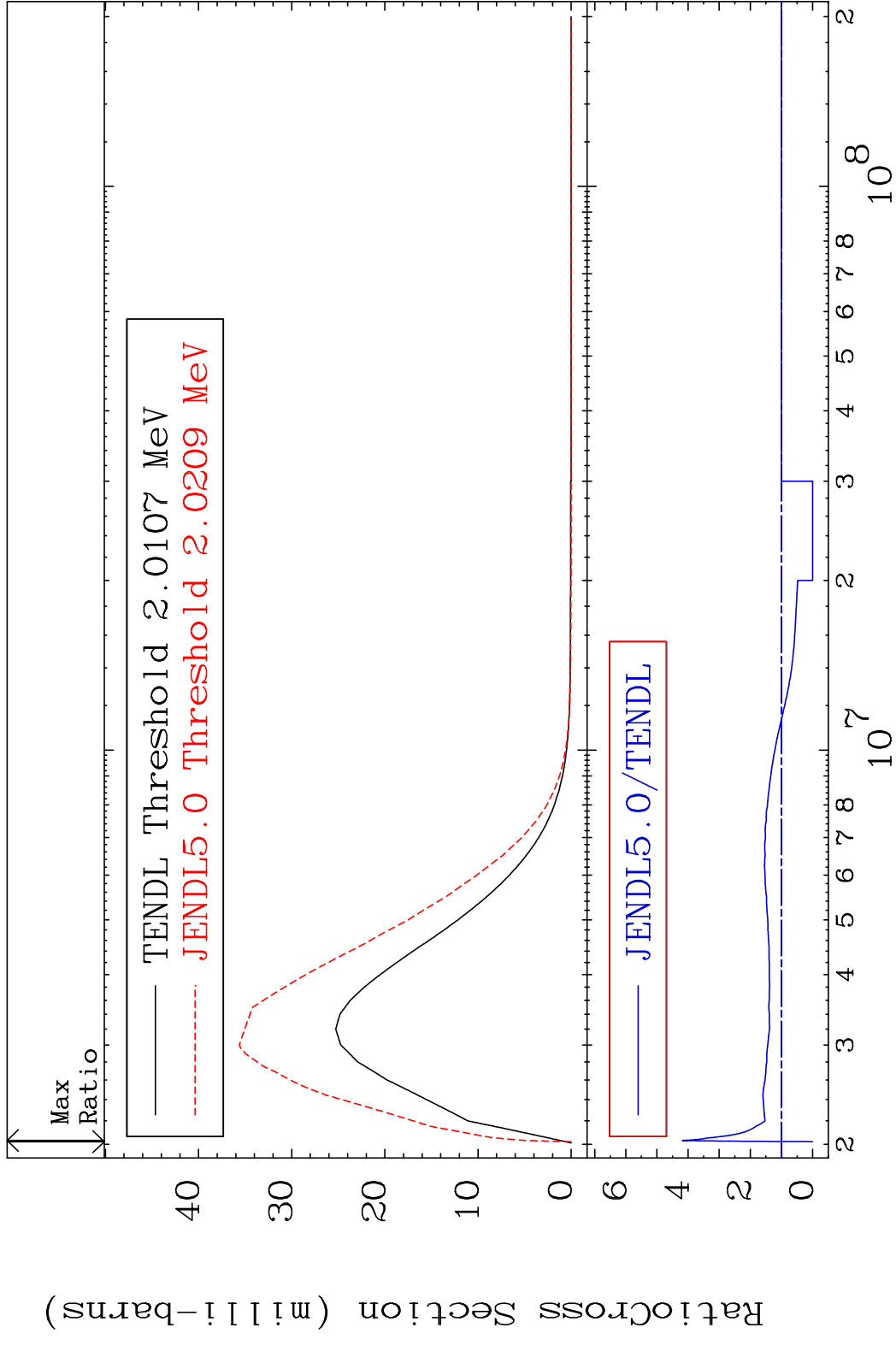


MAT 2834 MT= 63 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 9999. %

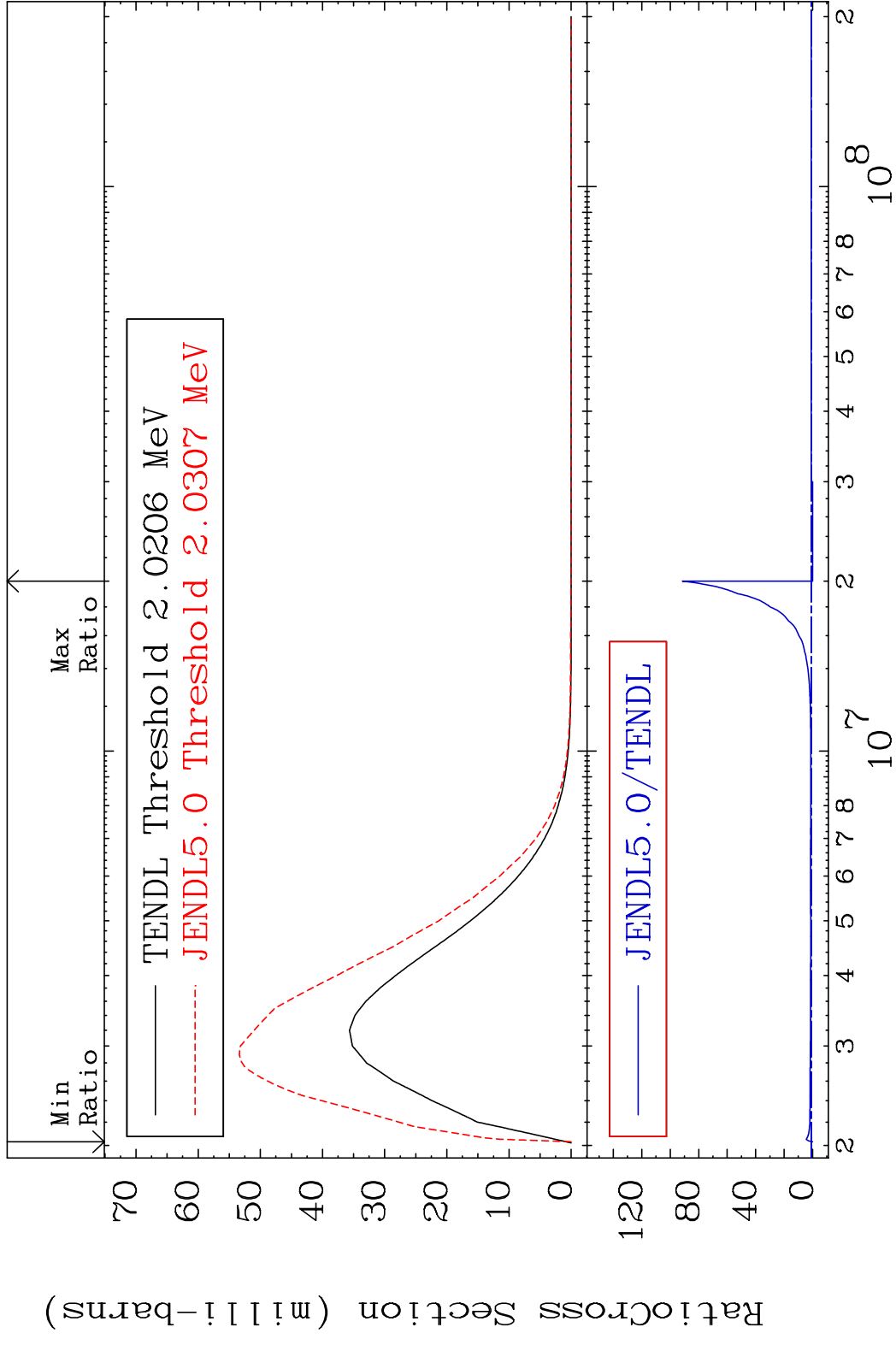


24 Incident Energy (eV) 28-Ni-61

MAT 2834 MT= 64 (n,n') Level 28-Ni-61
 Cross Section -100.0 To 318.4 %

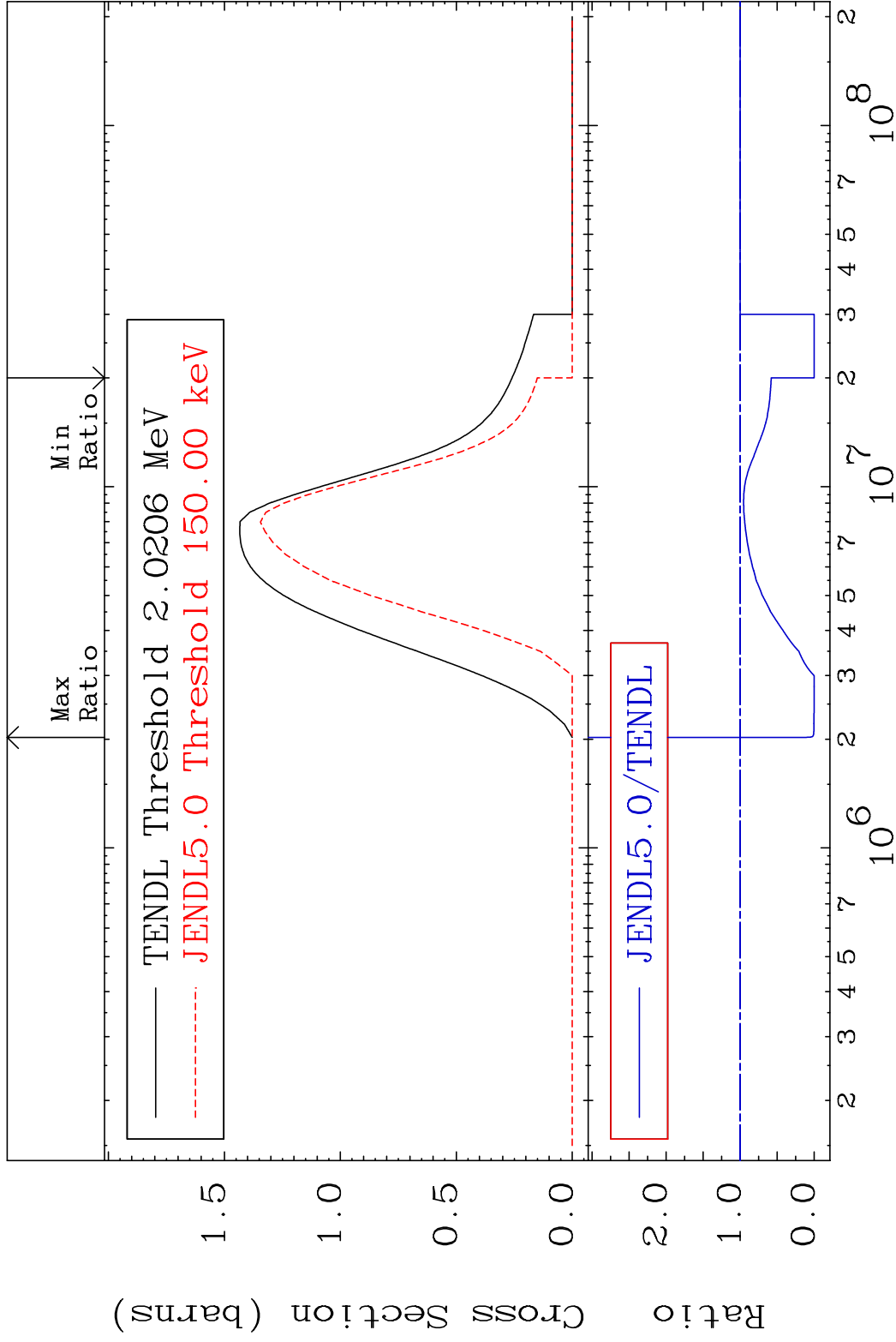


MAT 2834 MT= 65 (n, n') Level 28-Ni-61
 Cross Section -100.0 To 9048. %



MAT 2834

(n, n') Continuum ²⁸Ni-61
Cross Section -100.0 To 76.34 %



27

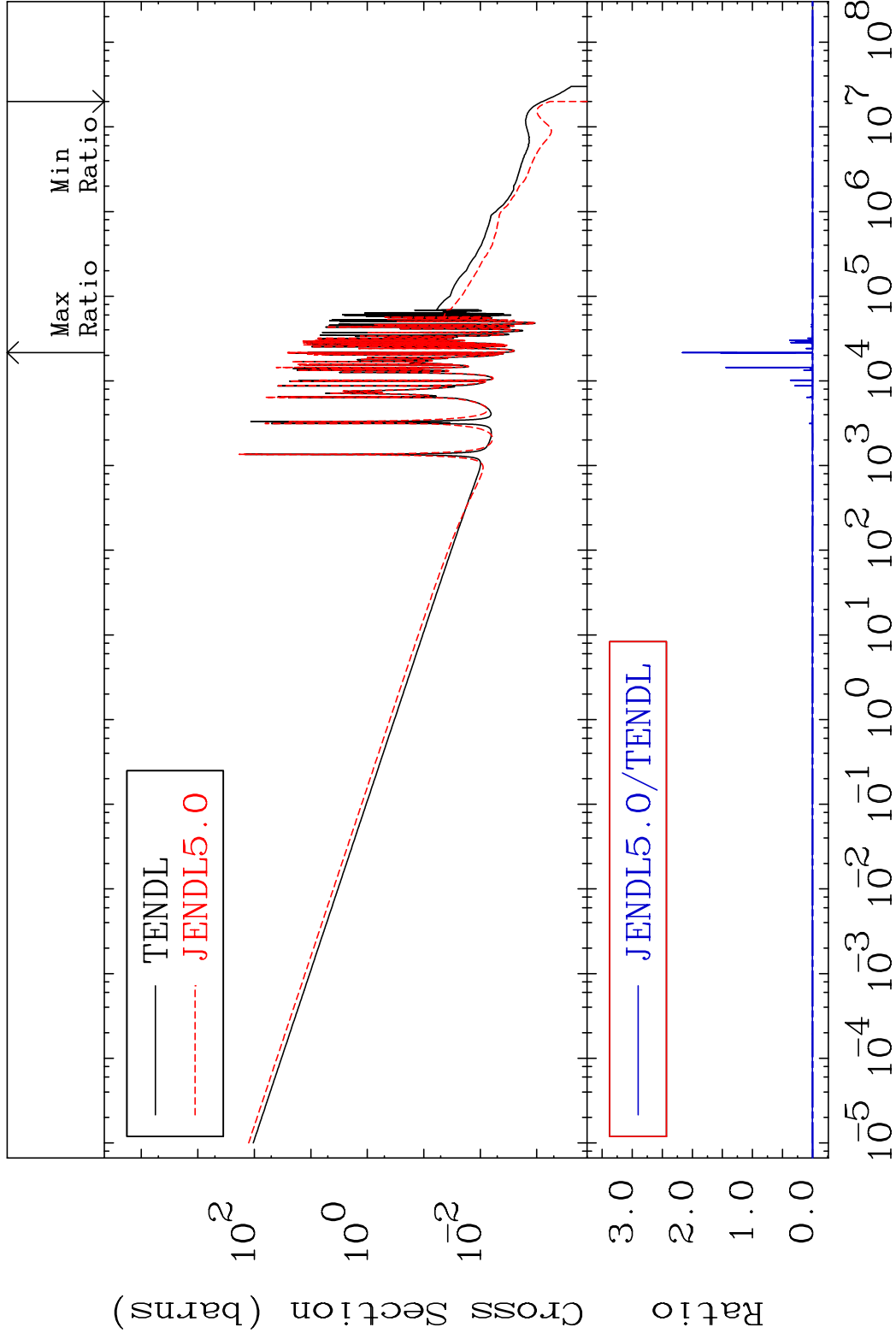
Incident Energy (eV) ²⁸Ni-61

MAT 2834

(n, γ)

28-Ni-61

Cross Section -100.0 To 9999. %

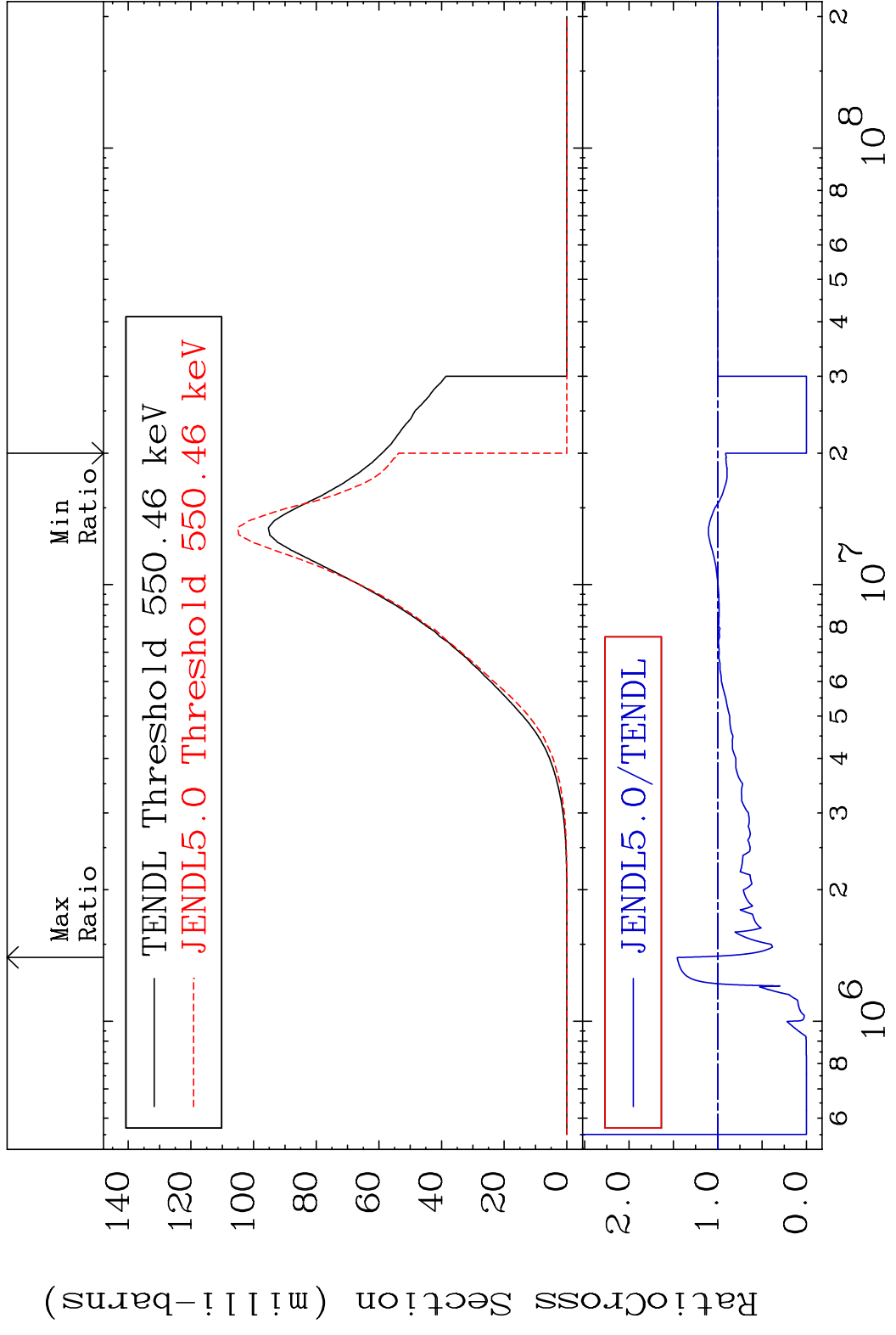


28

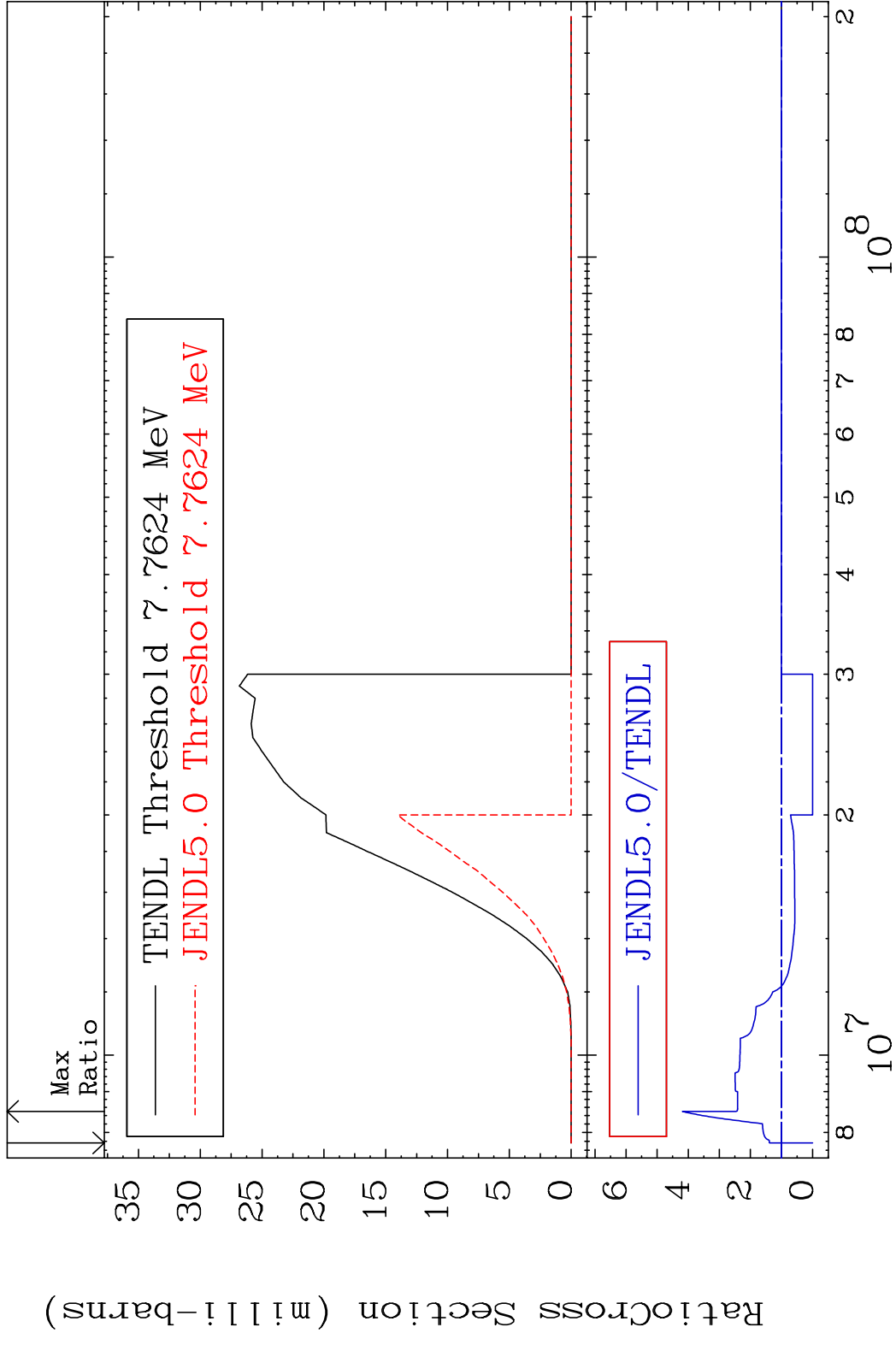
Incident Energy (eV)

28-Ni-61

MAT 2834 (n,p) 28-Ni-61
 Cross Section -100.0 To 45.68 %

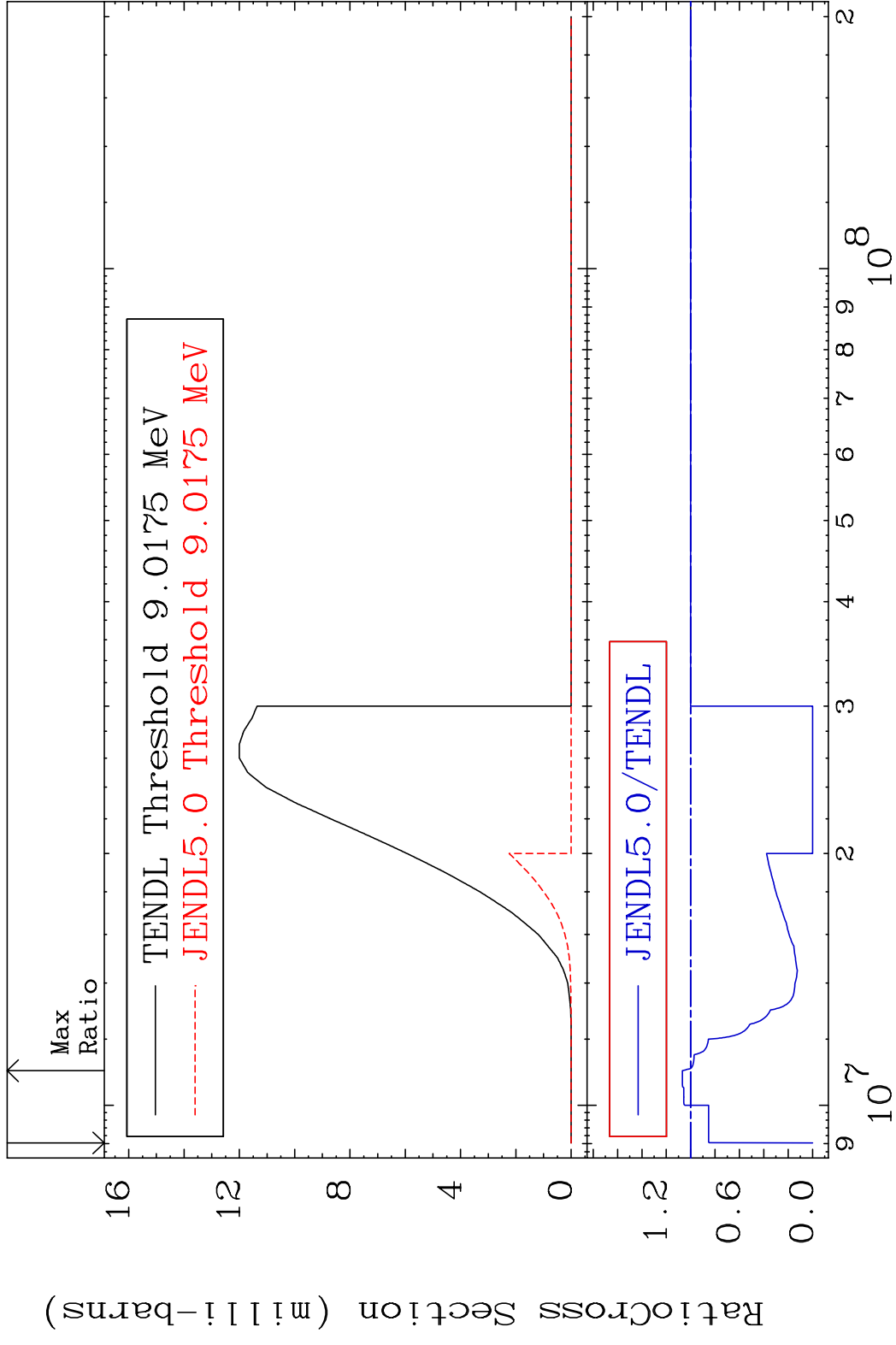


MAT 2834 (n,d) 28-Ni-61
 Cross Section -100.0 To 318.9 %



30 28-Ni-61

MAT 2834 (n, t) 28-Ni-61
 Cross Section -100.0 To 6.831 %



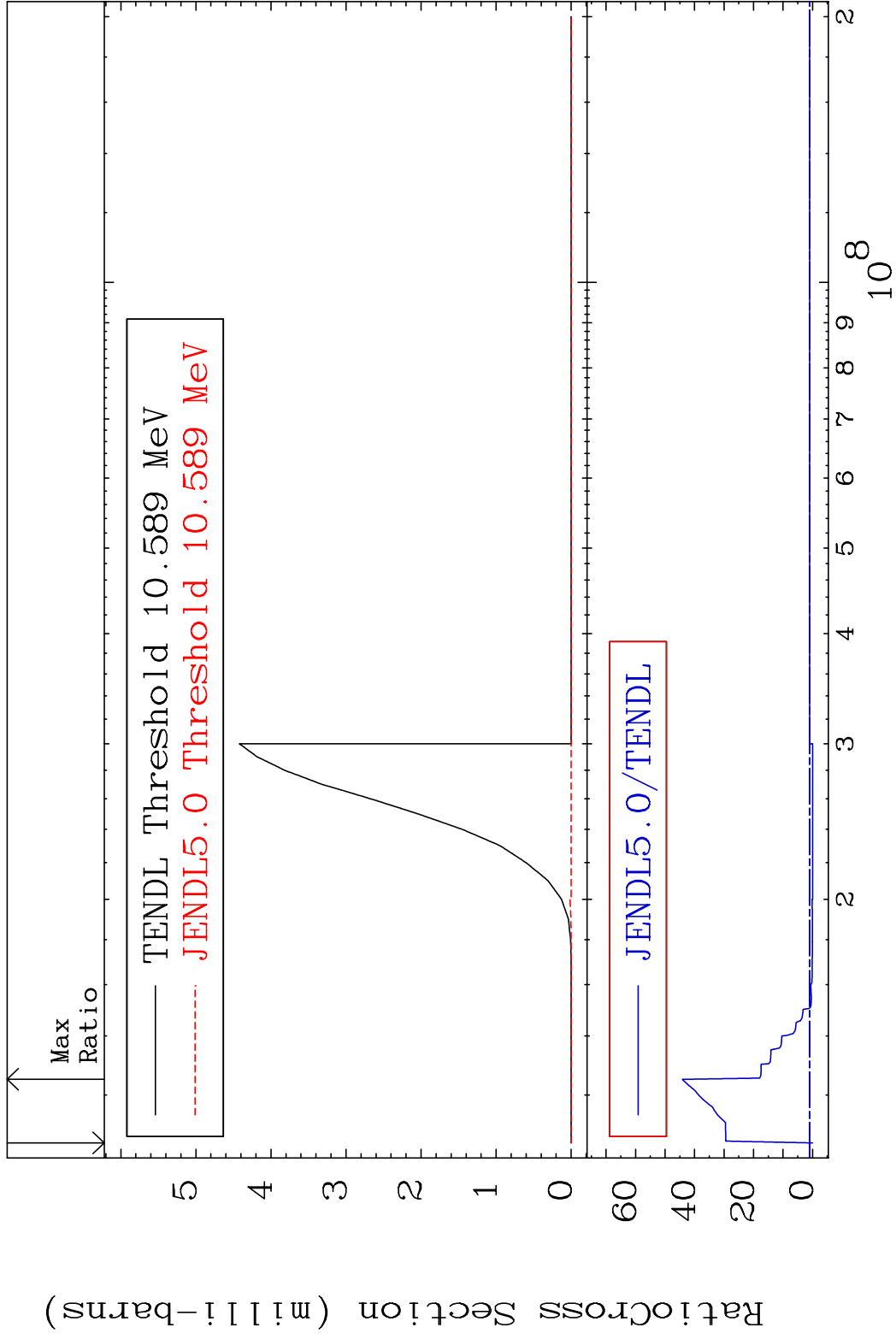
31 Incident Energy (eV) 28-Ni-61

MAT 2834

(n, He-3)

28-Ni-61

Cross Section -100.0 To 4314. %



32

Incident Energy (eV)

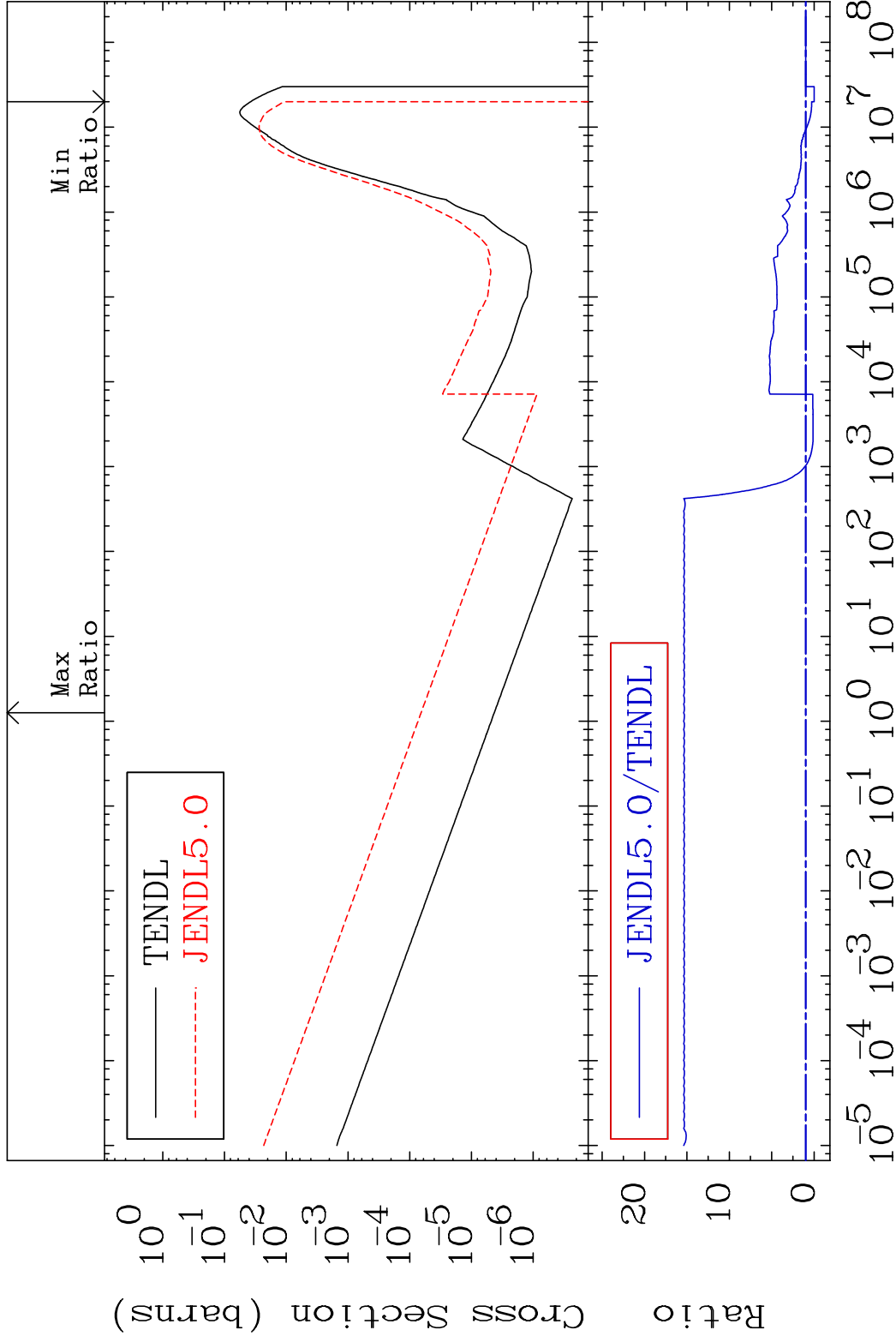
28-Ni-61

MAT 2834

(n, α)

28-Ni-61

Cross Section -100.0 To 1438. %

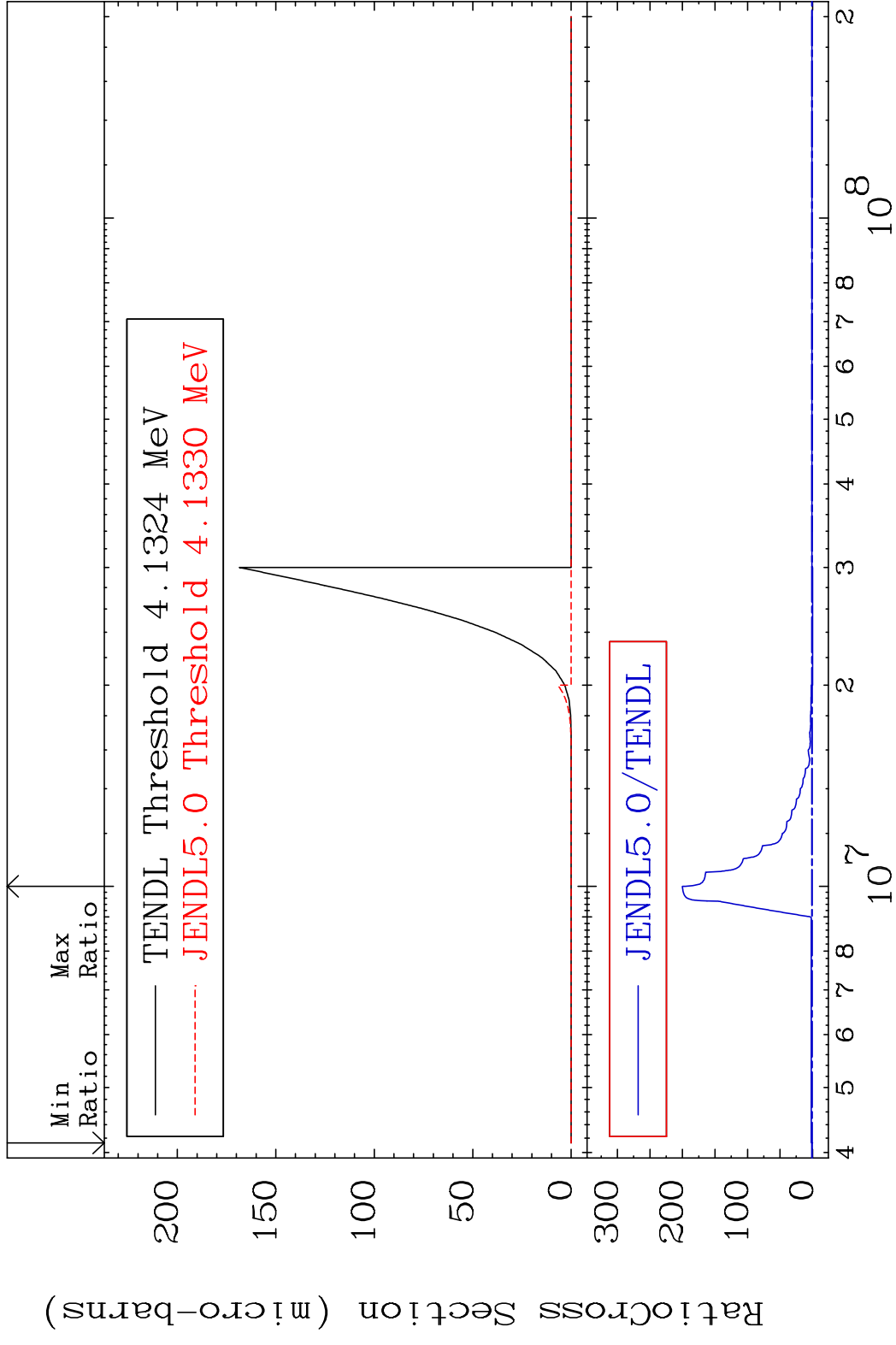


33

Incident Energy (eV)

28-Ni-61

MAT 2834 (n,2α) 28-Ni-61
 Cross Section -100.0 To 9999. %

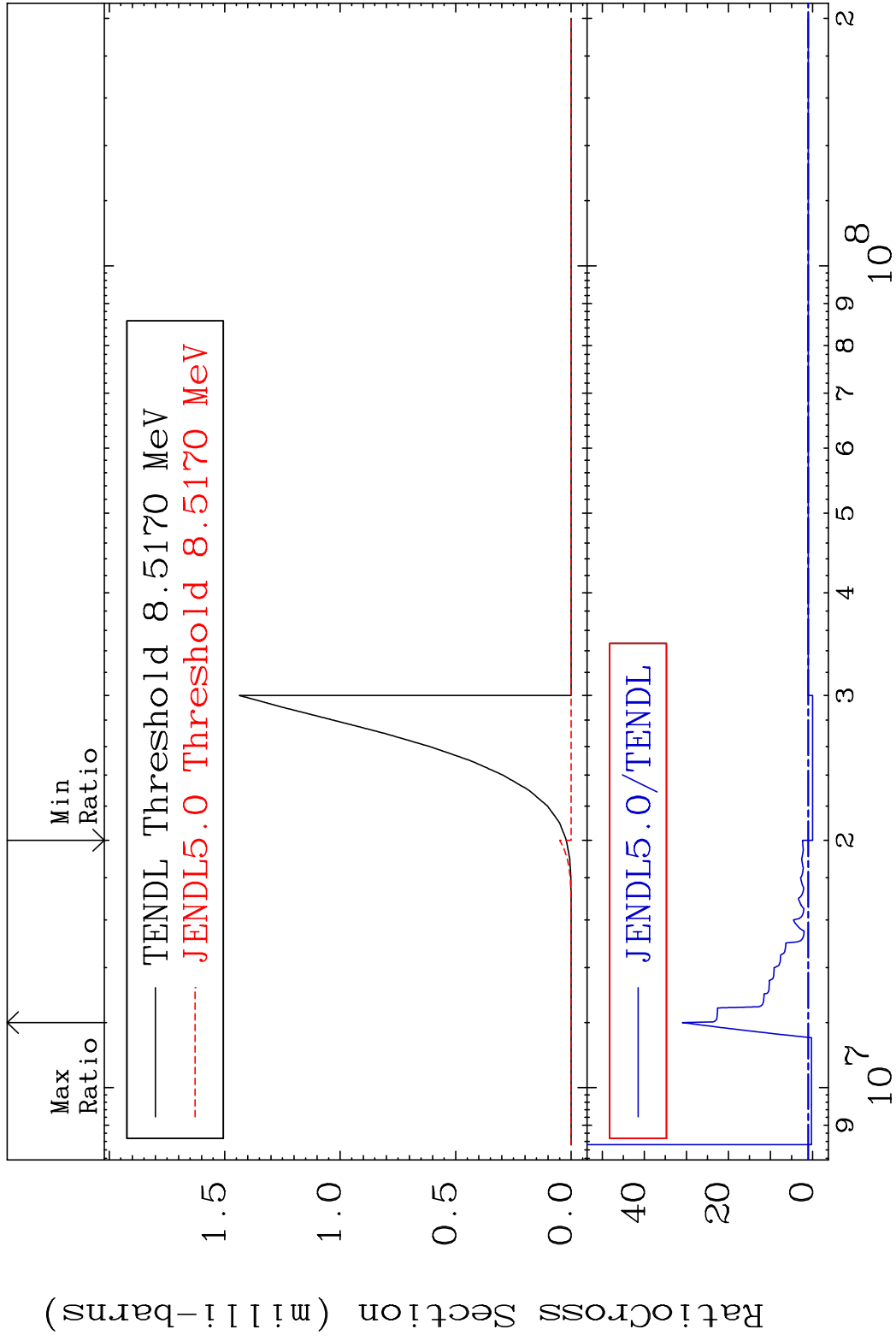


MAT 2834

(n,p) α

28-Ni-61

Cross Section -100.0 To 2996. %

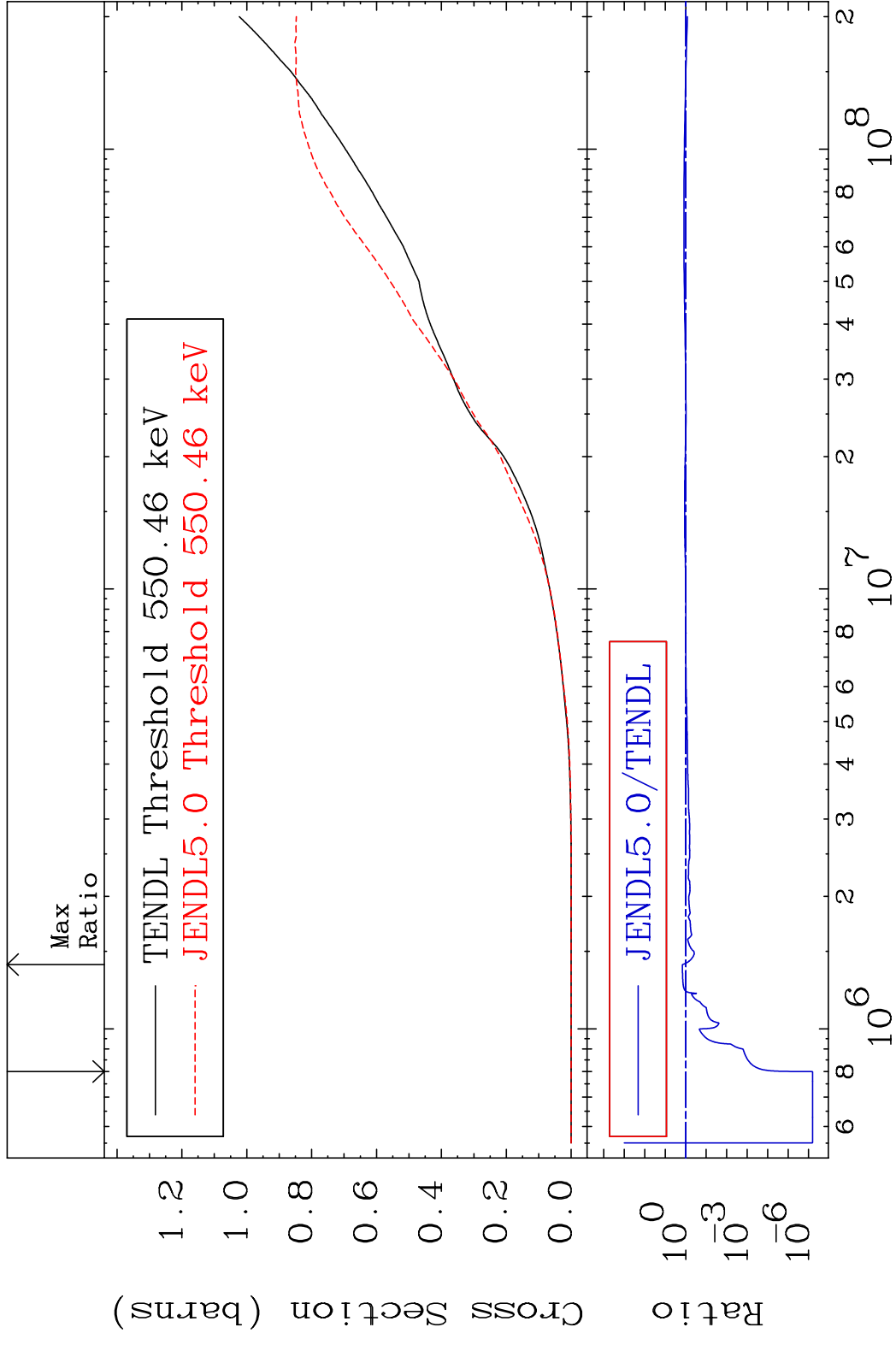


36

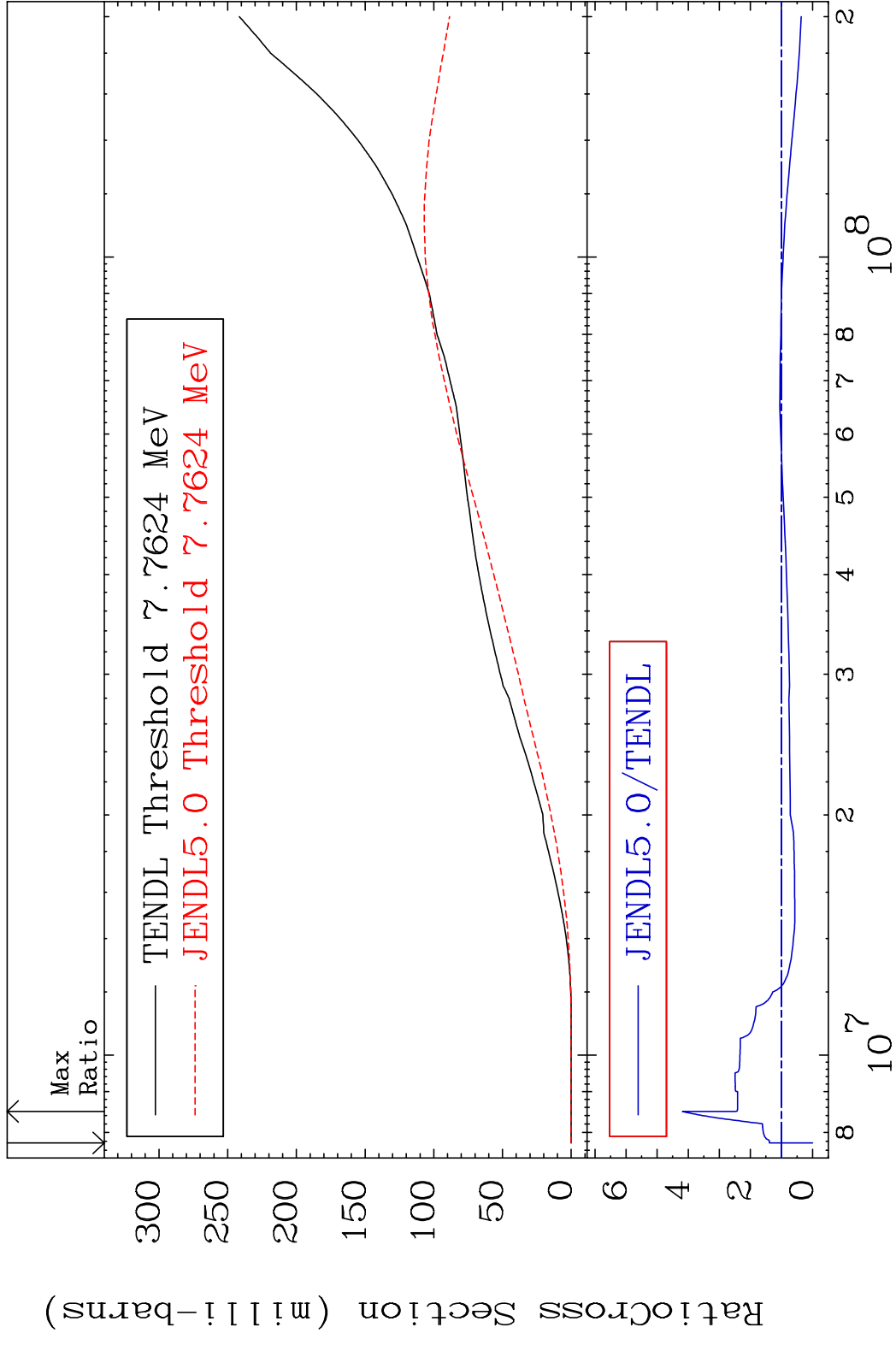
Incident Energy (eV)

28-Ni-61

MAT 2834 Hydrogen Production 28-Ni-61
 Cross Section -100.0 To 45.68 %

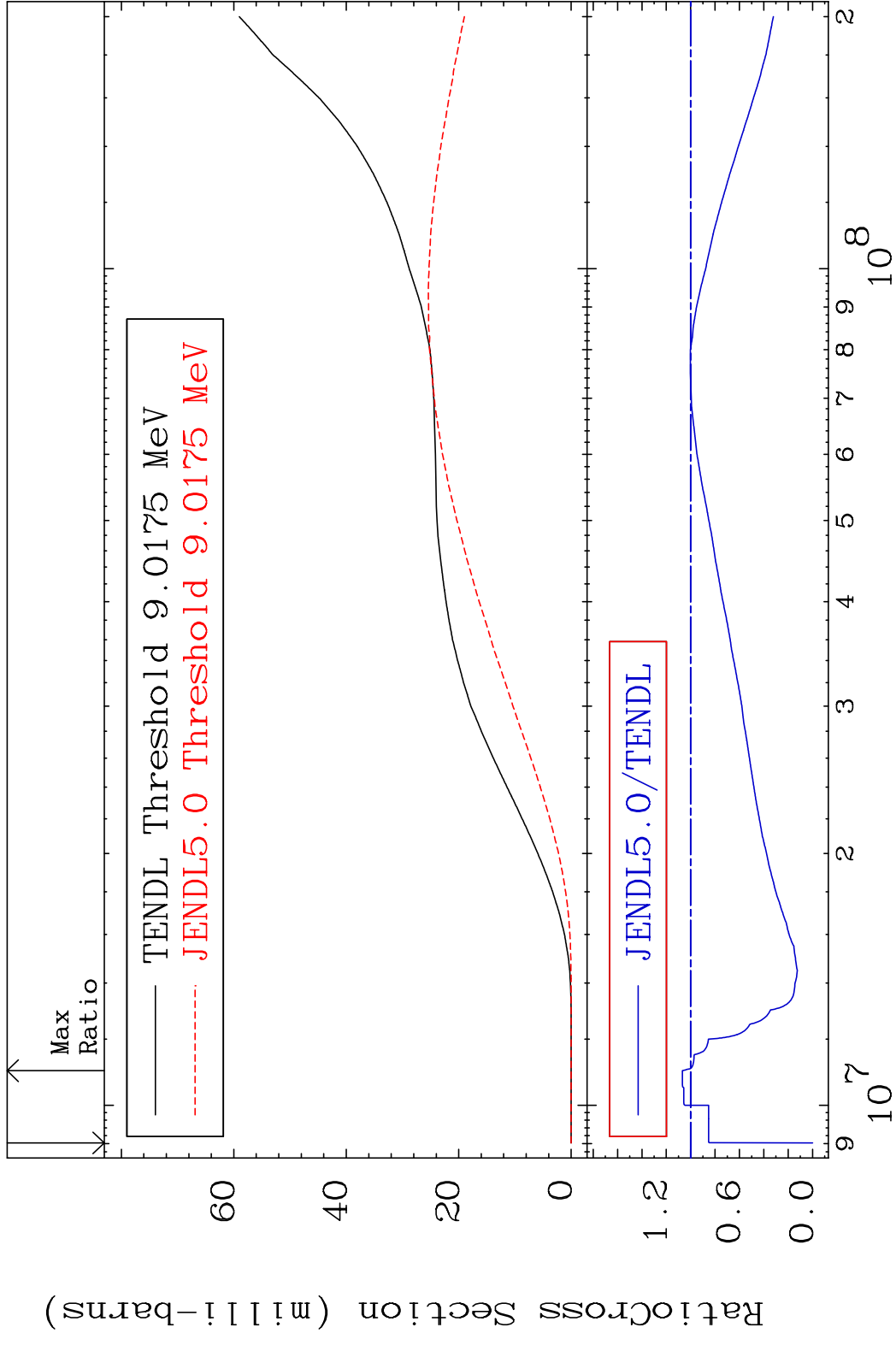


MAT 2834 Deuterium Production $^{28}\text{Ni-61}$
 Cross Section -100.0 To 318.9 %



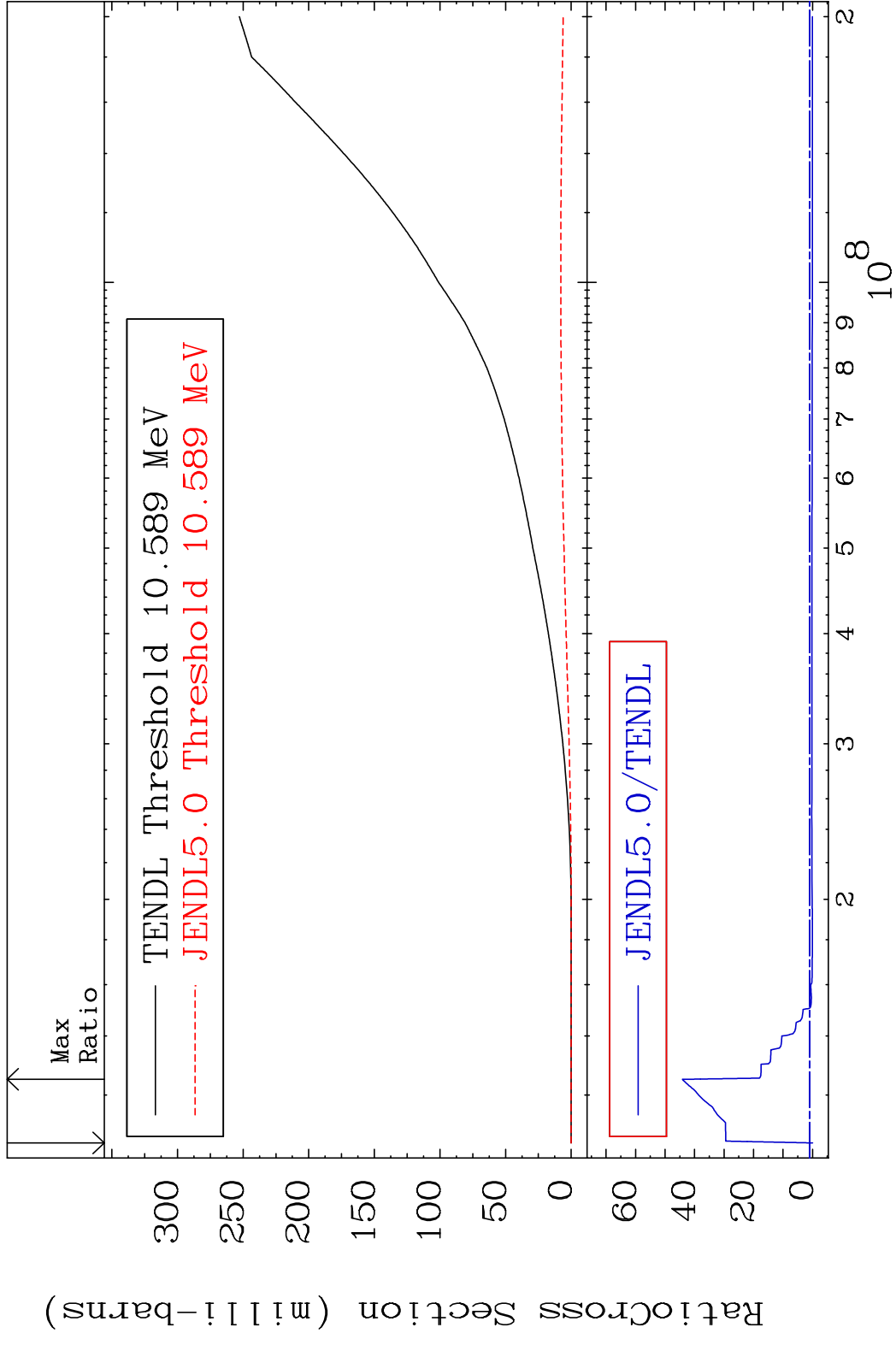
38 $^{28}\text{Ni-61}$

MAT 2834 Tritium Production 28-Ni-61
 Cross Section -100.0 To 6.831 %



39 28-Ni-61

MAT 2834 He-3 Production 28-Ni-61
 Cross Section -100.0 To 4314. %



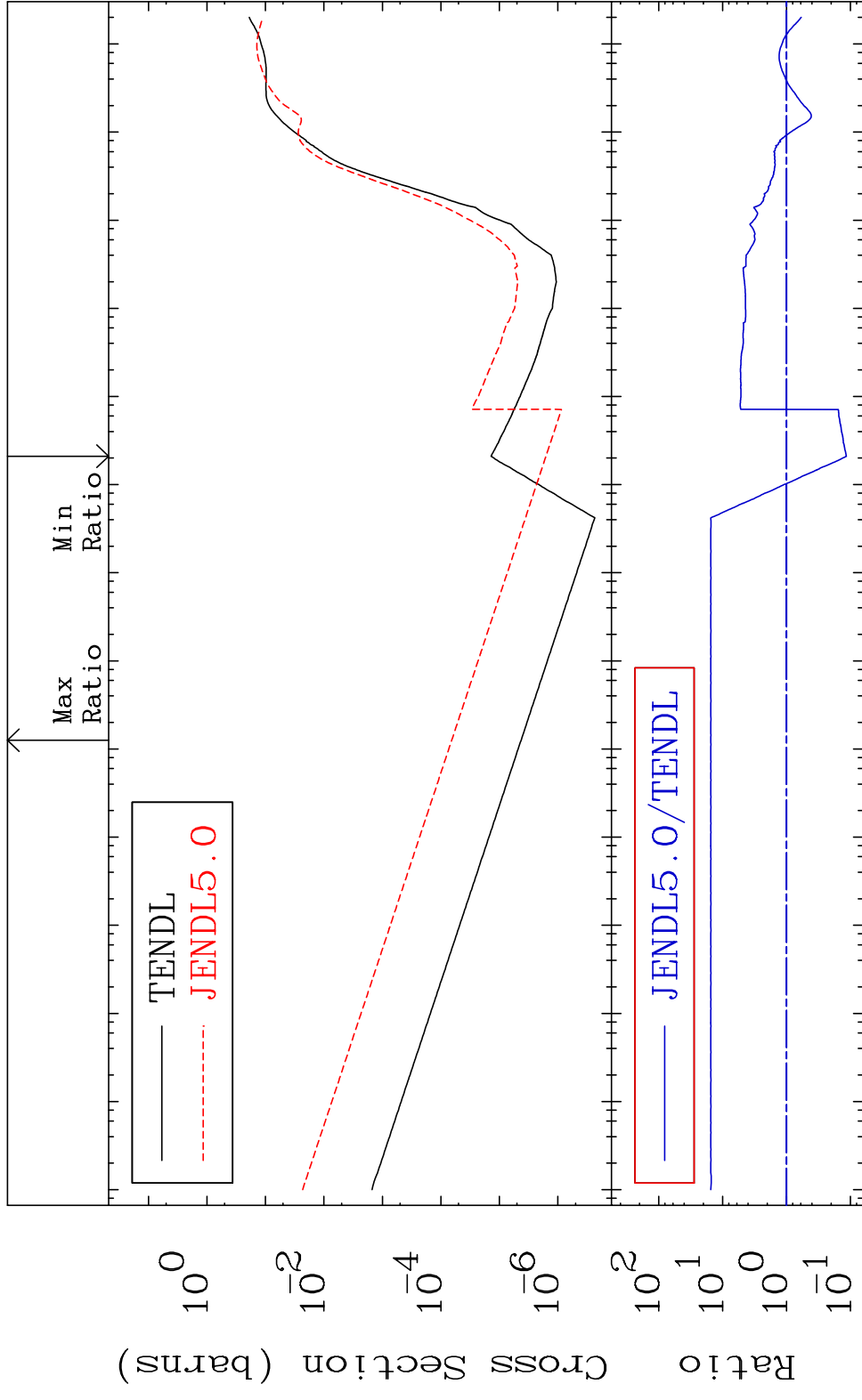
40 Incident Energy (eV) 28-Ni-61

MAT 2834

He-4 Production

28-Ni-61

Cross Section -88.44 To 1438. %

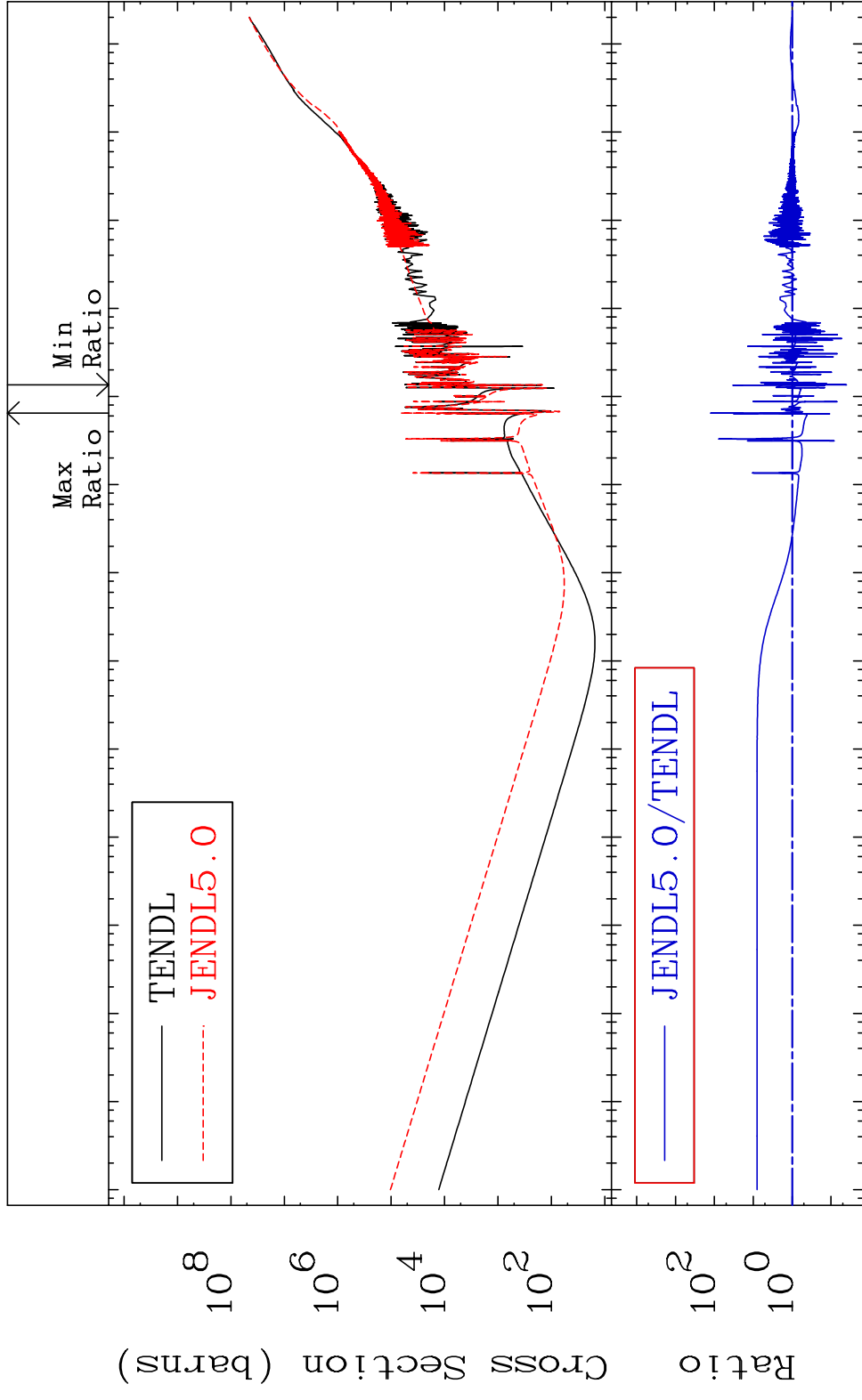


41

Incident Energy (eV)

28-Ni-61

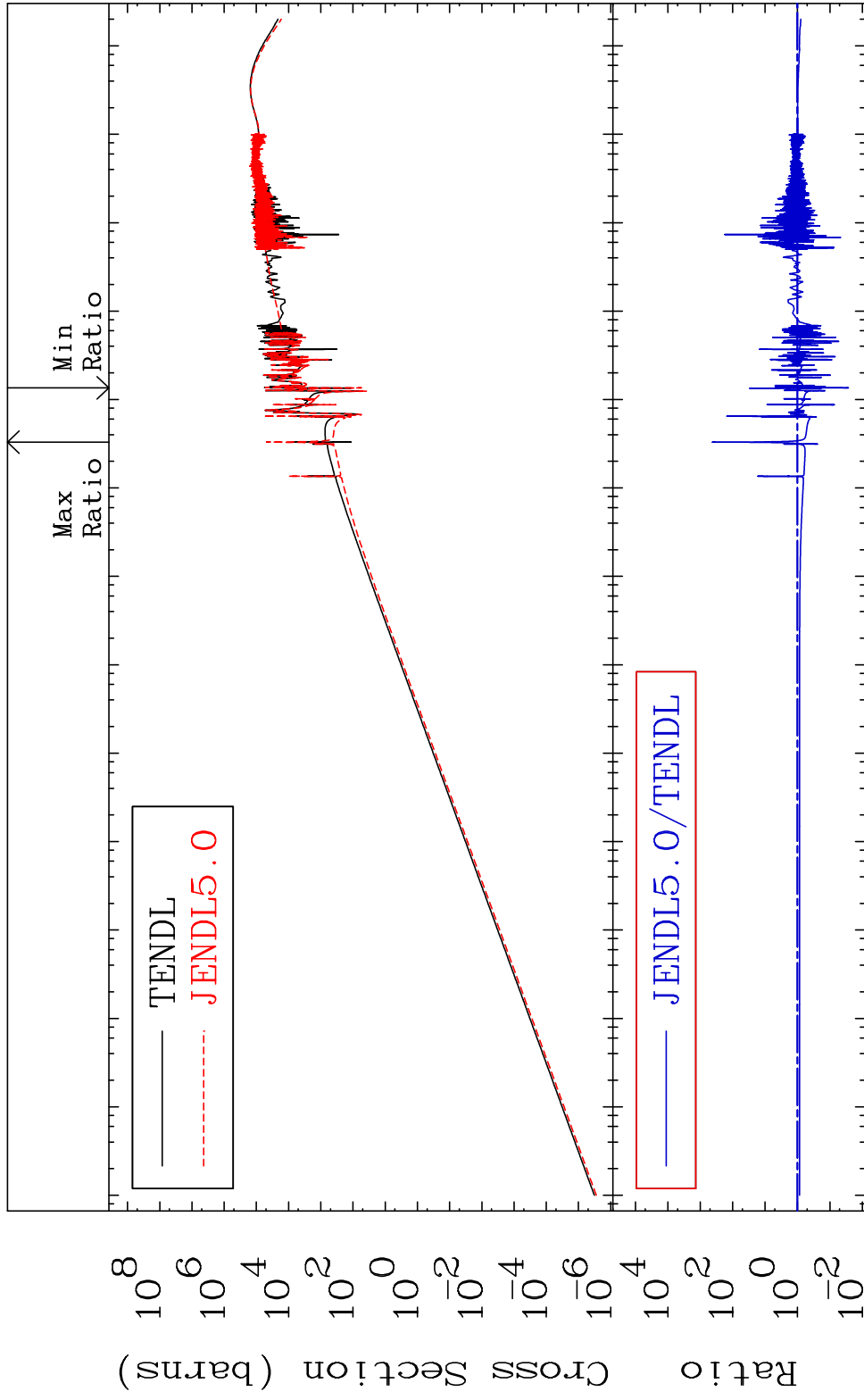
MAT 2834 Kerma total (eV-barns) 28-Ni-61
 Cross Section -95.97 To 9999. %



MAT 2834

Kerma elastic
Cross Section

28-Ni-61
-97.30 To 9999. %

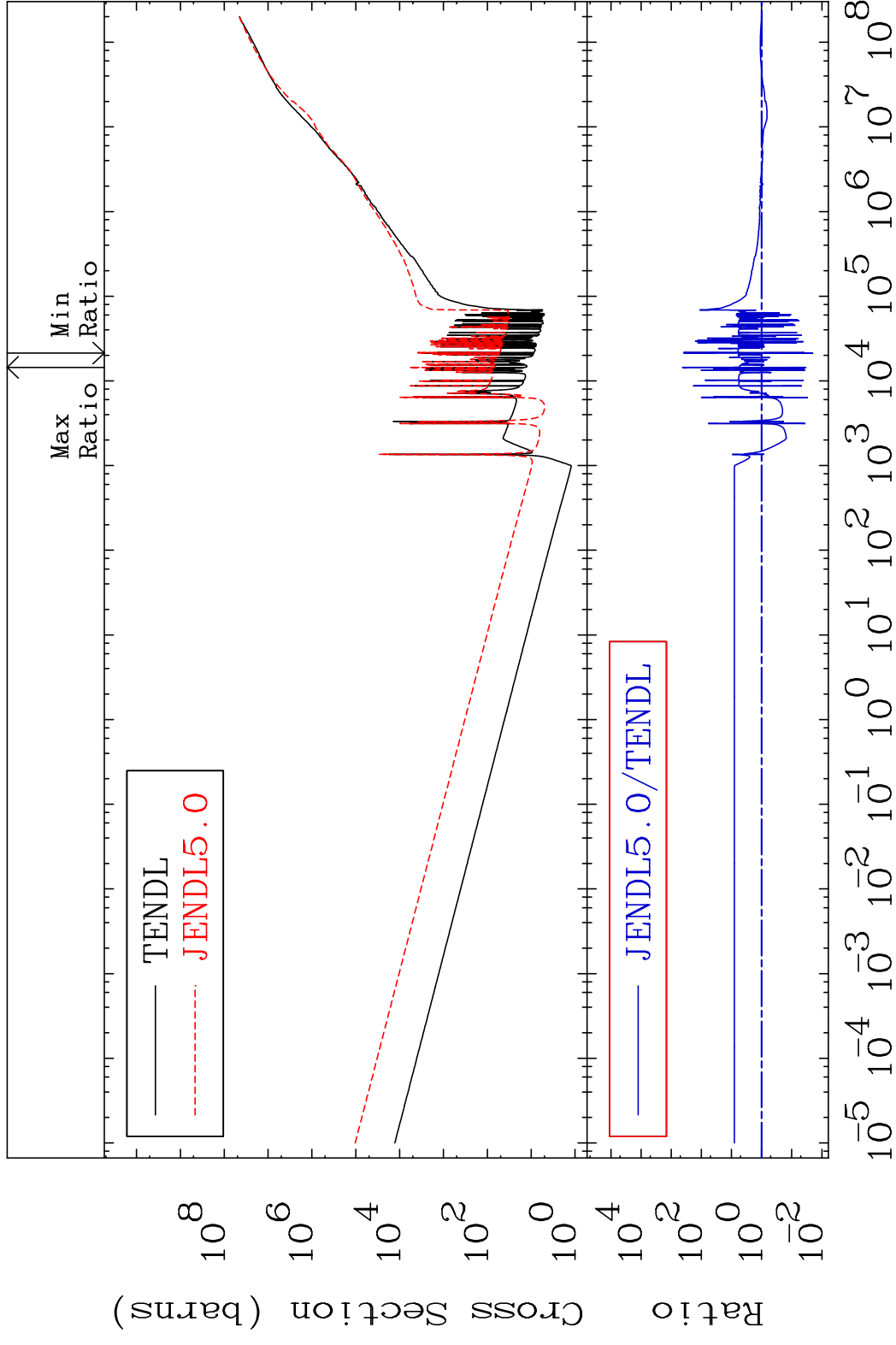


43

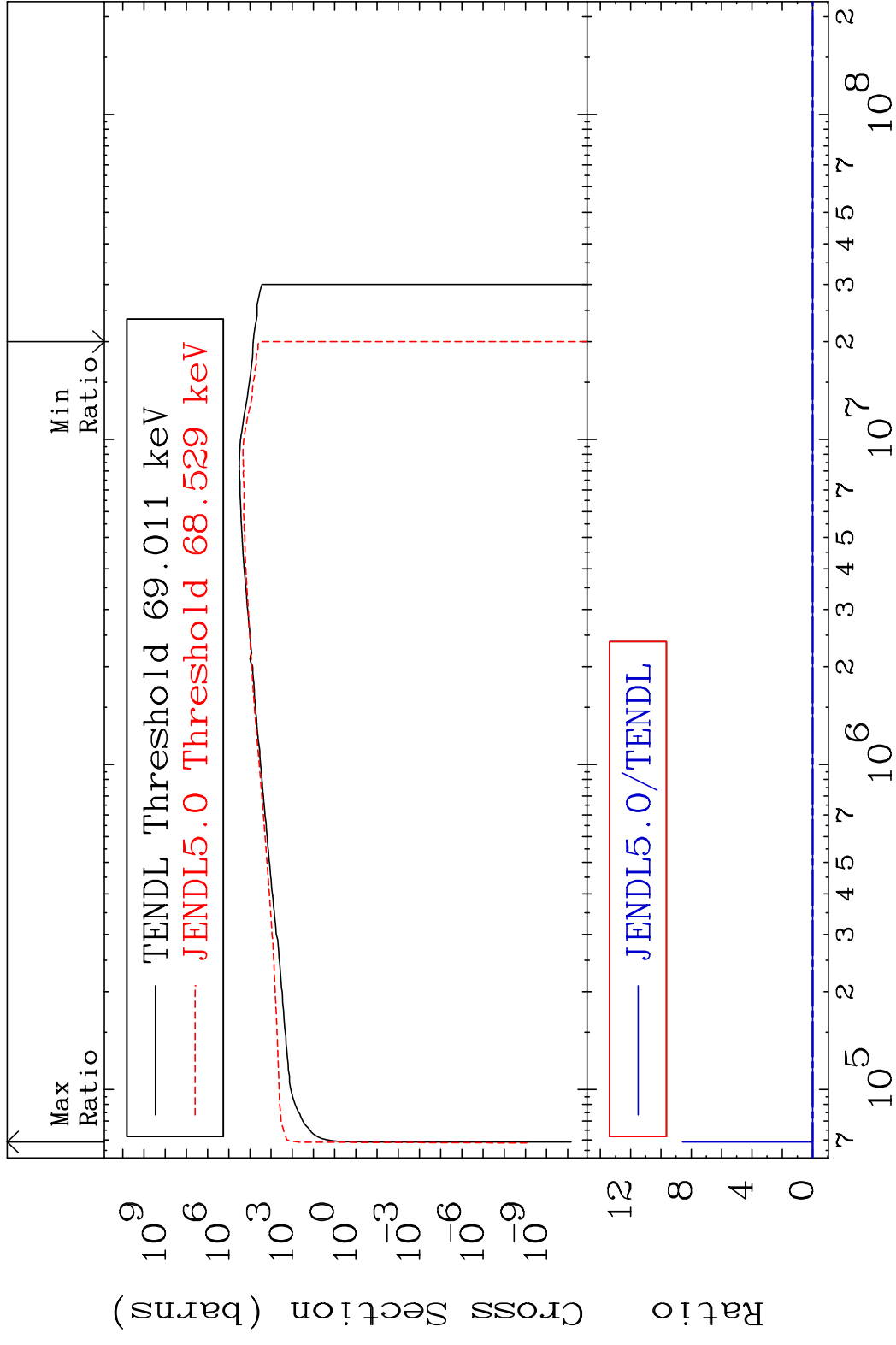
Incident Energy (eV)

28-Ni-61

MAT 2834 Kerma non-elastic (all but mt2) 28-Ni-61
 Cross Section -97.97 To 9999. %

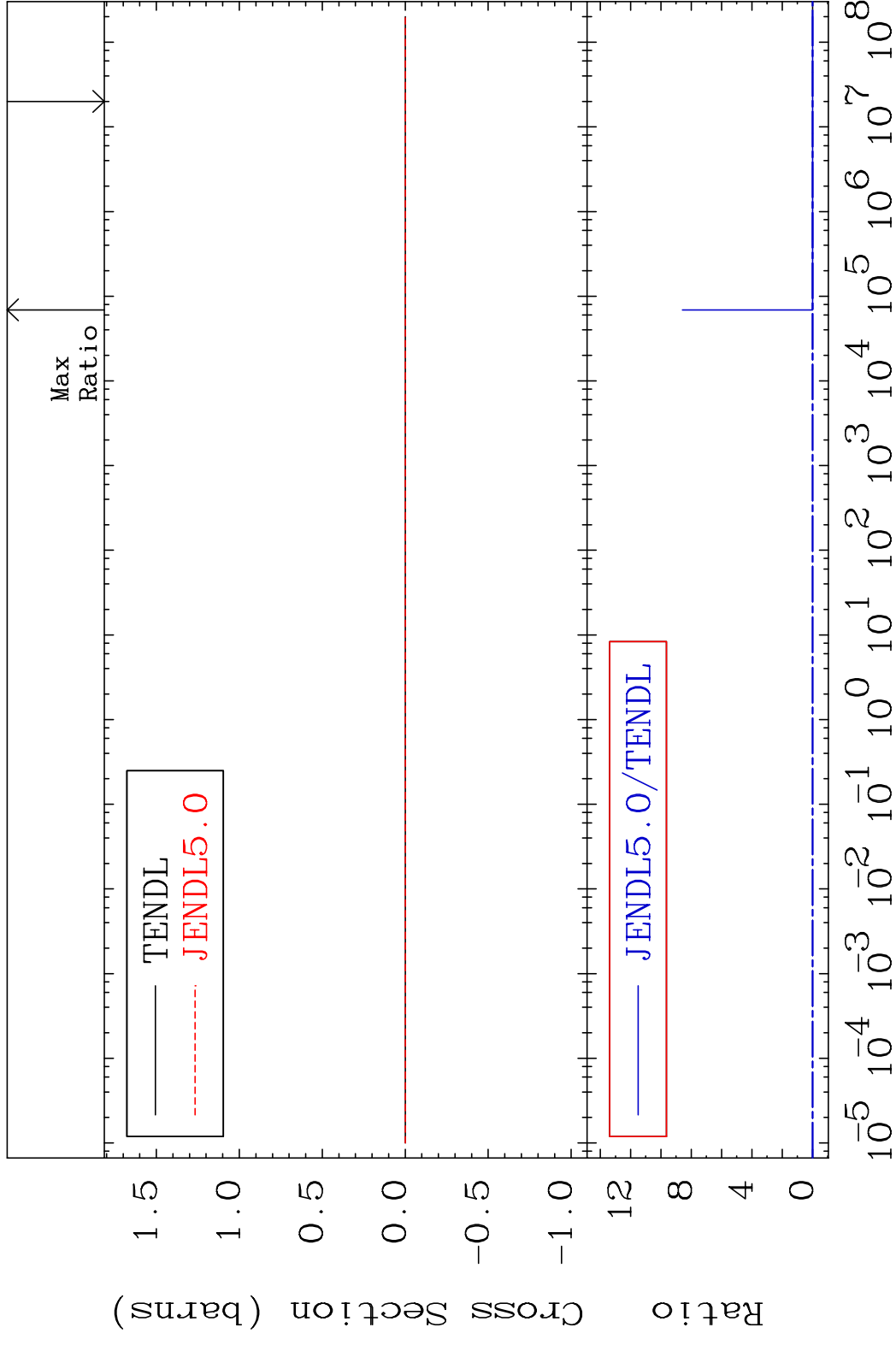


MAT 2834 Kerma inelastic (mt51-91) 28-Ni-61
 Cross Section -100.0 To 9999. %



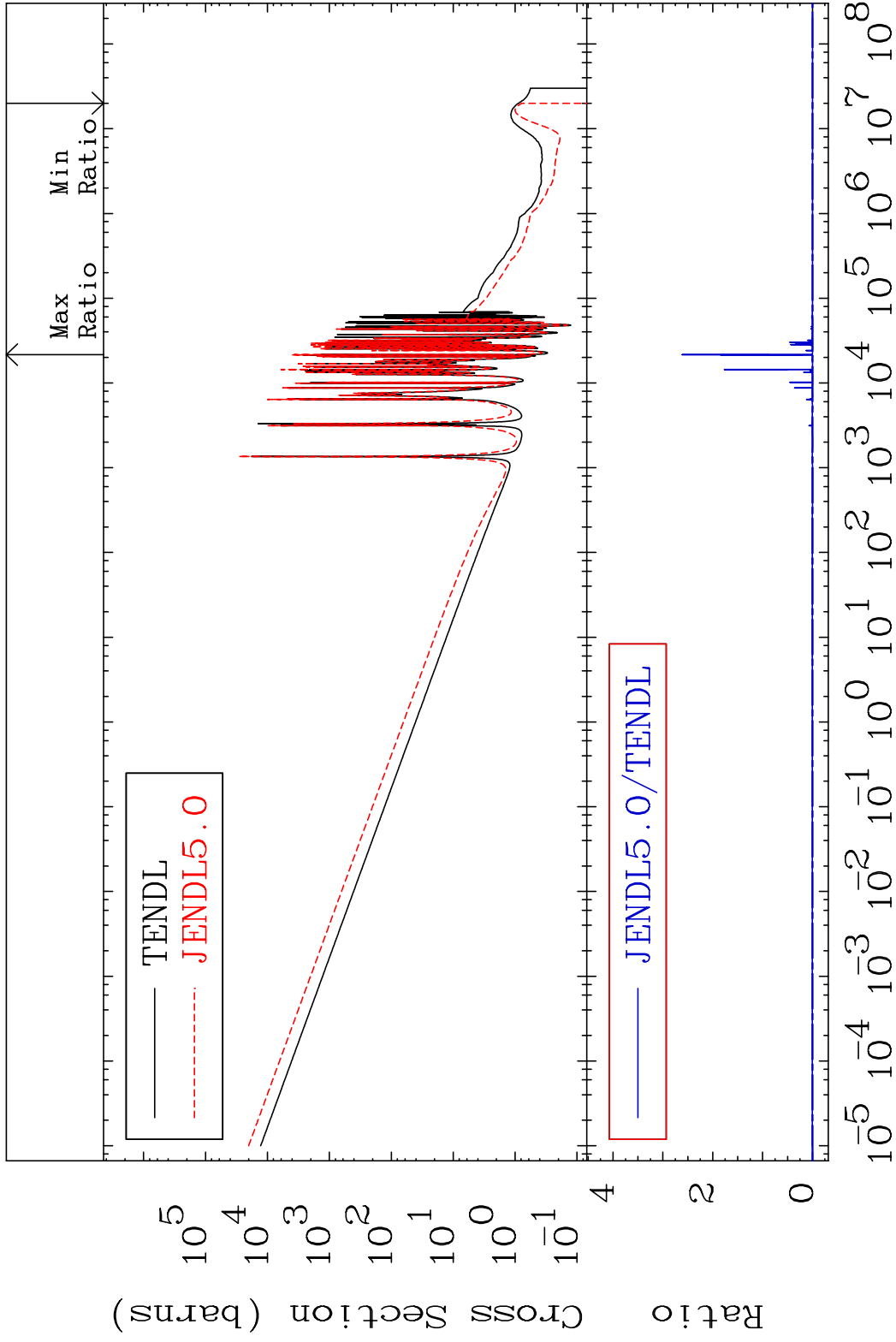
45 Incident Energy (eV) 28-Ni-61

MAT 2834 Kerma fission (mt18 or mt19-20-21-38) 28-Ni-61
 Cross Section -100.0 To 9999. %



MAT 2834

Kerma capture (mt102) 28-Ni-61
Cross Section -100.0 To 9999. %

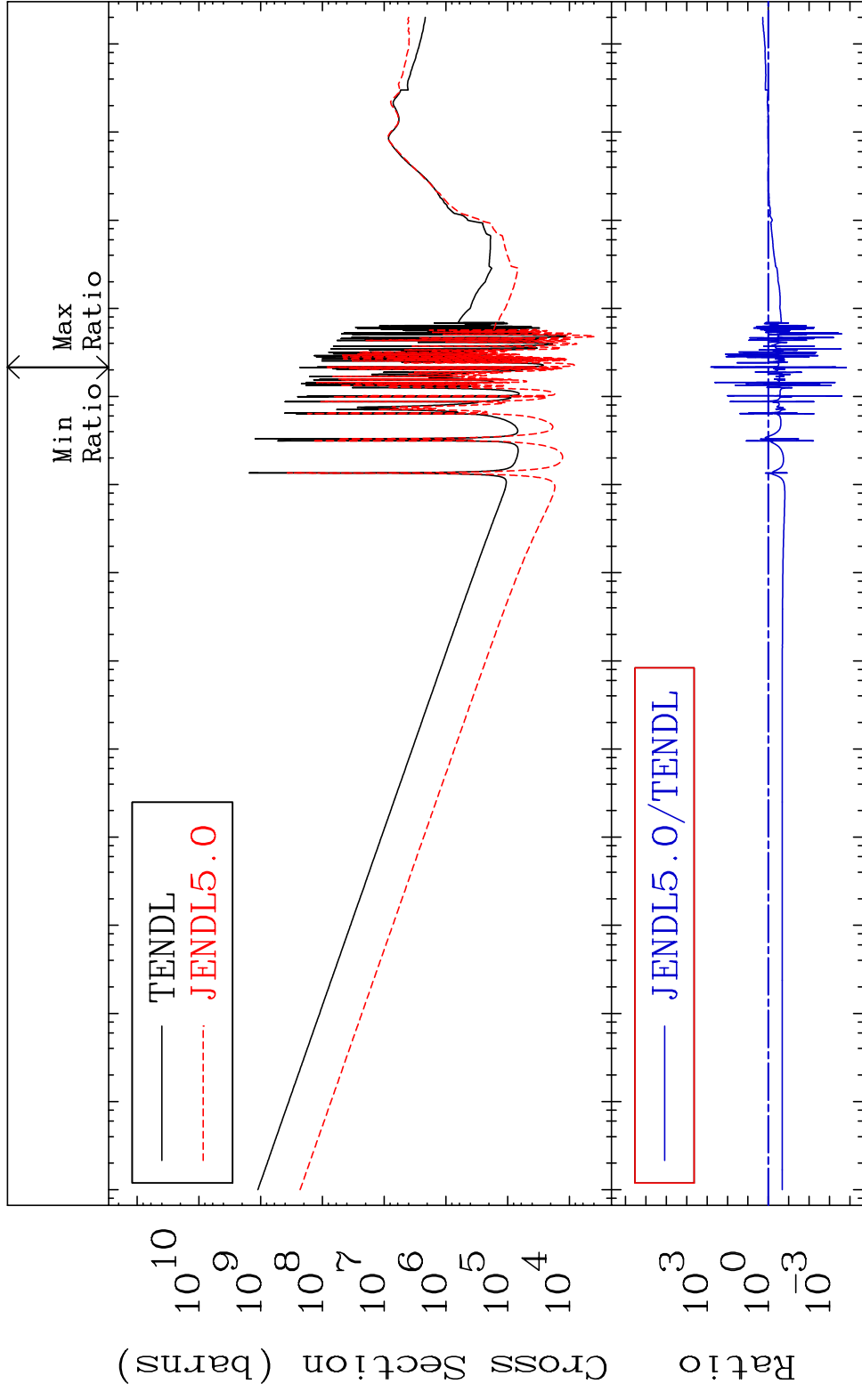


47

Incident Energy (eV)

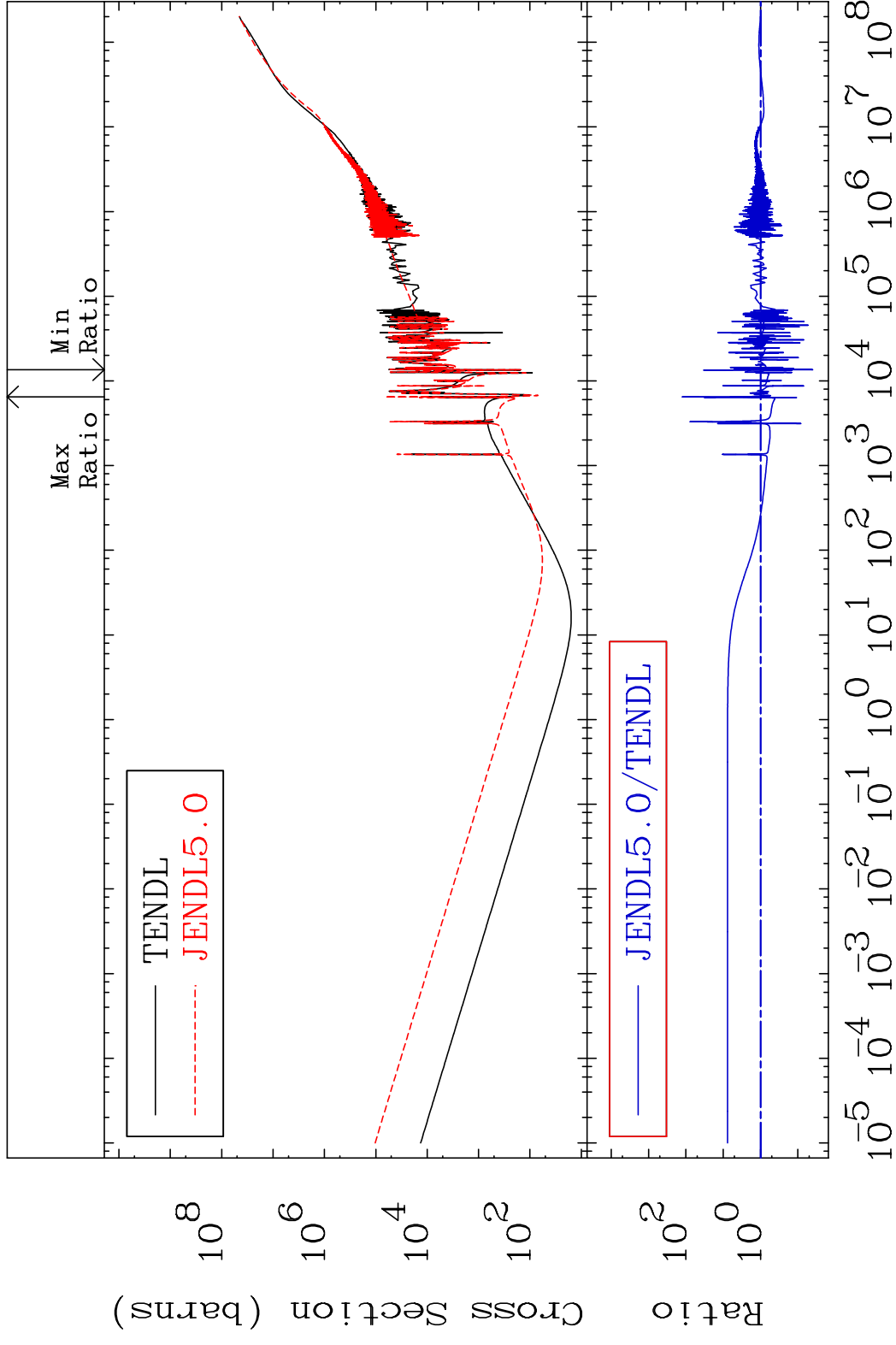
28-Ni-61

MAT 2834 Total photon (eV-barns) 28-Ni-61
 Cross Section -99.99 To 9999. %

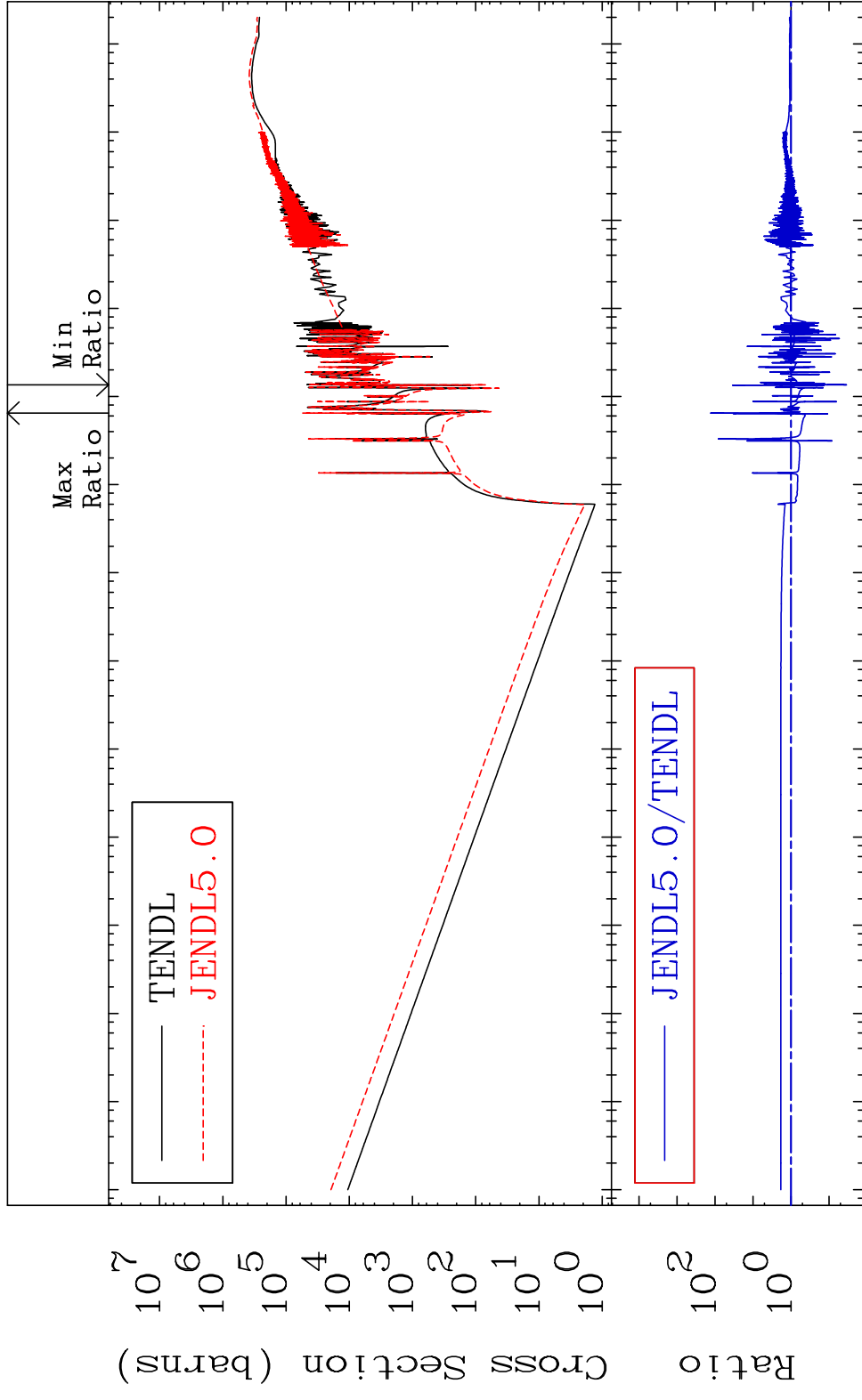


48 Incident Energy (eV) 28-Ni-61

MAT 2834 Total kinematic kerma (high limit) 28-Ni-61
 Cross Section -95.97 To 9999. %



MAT 2834 Dpa total (eV-barns) 28-Ni-61
 Cross Section -96.50 To 9999. %



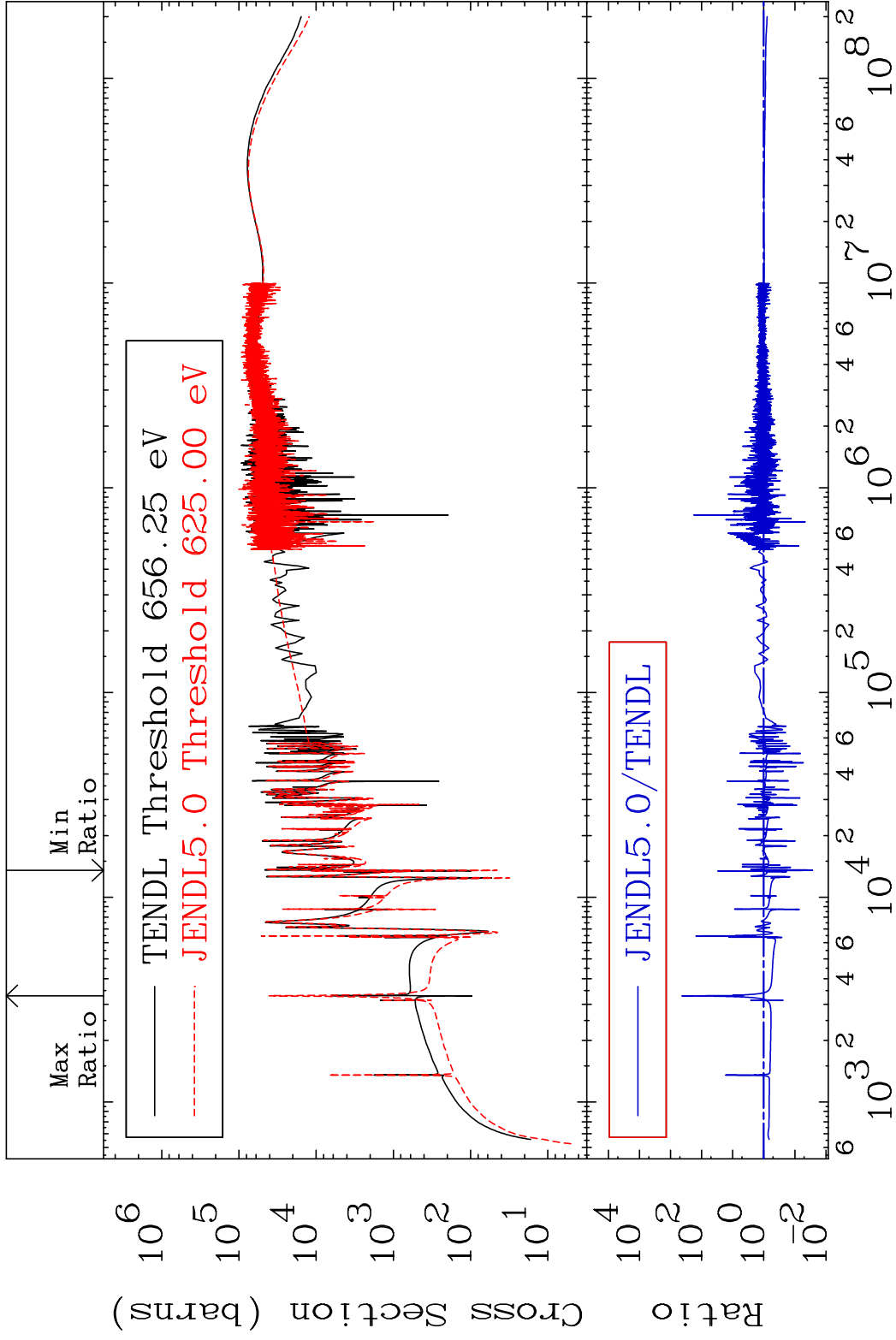
50 Incident Energy (eV) 28-Ni-61

MAT 2834

Dpa elastic (mt2)

28-Ni-61

Cross Section -97.30 To 9999. %

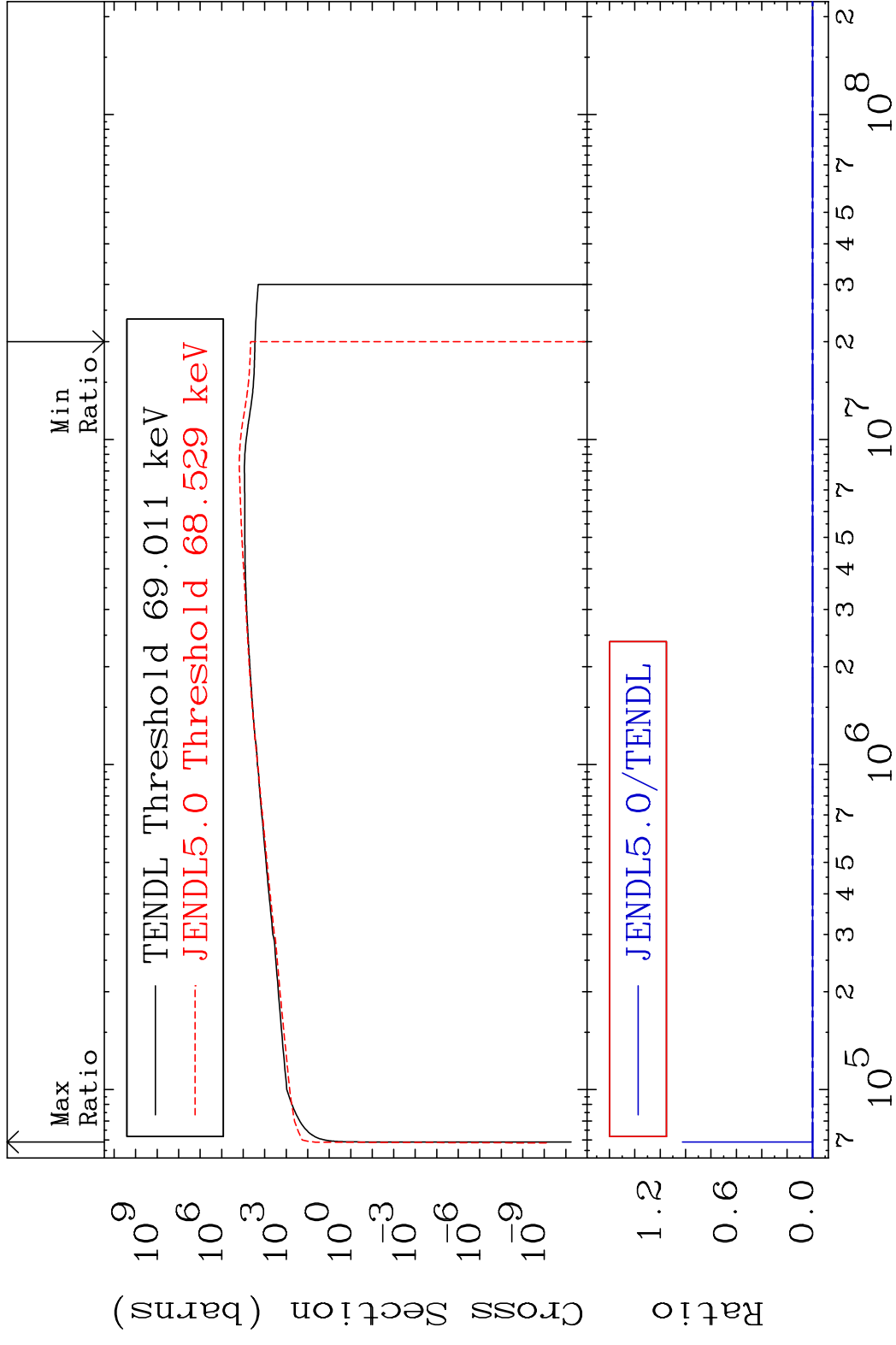


51

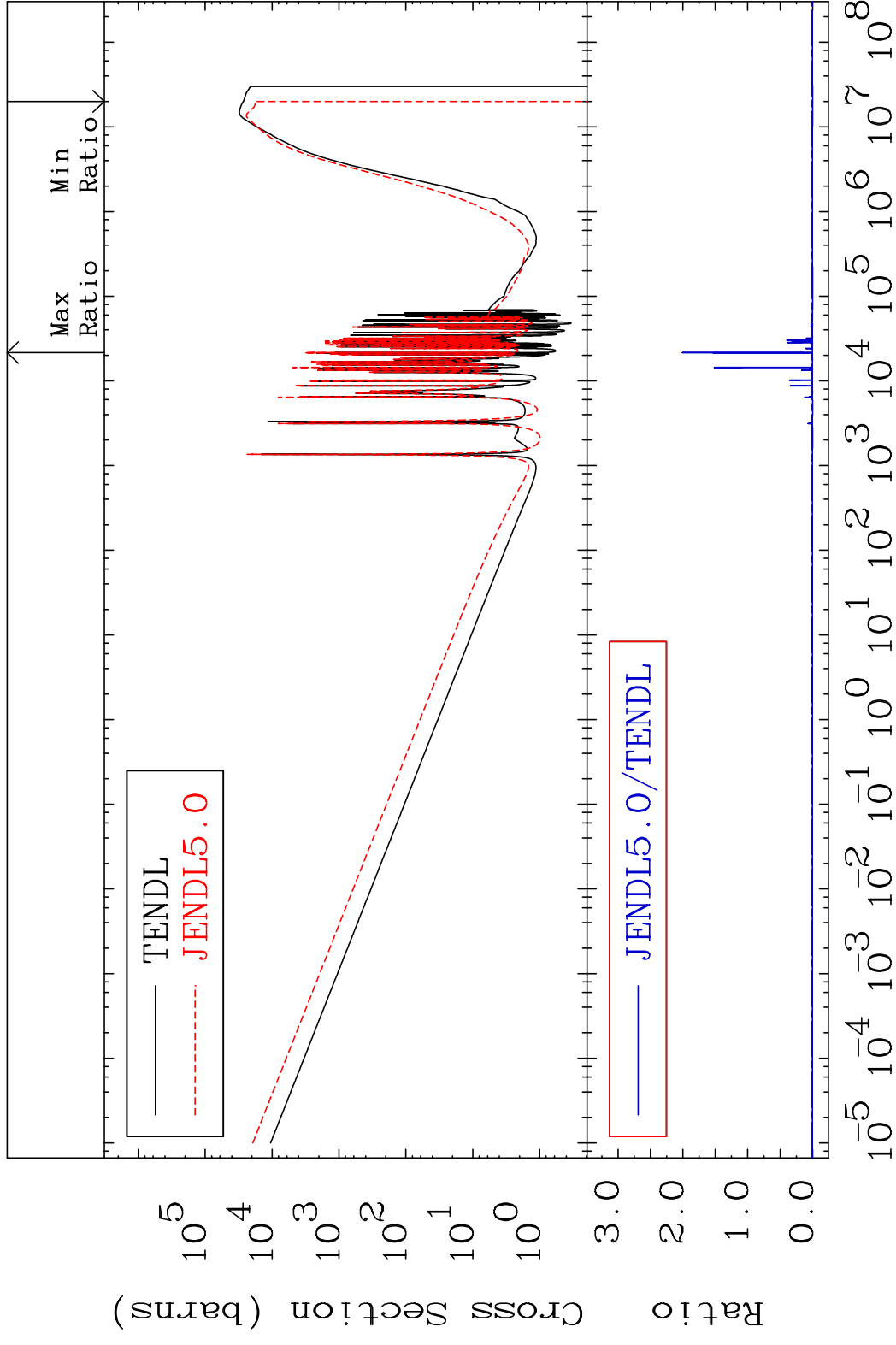
Incident Energy (eV)

28-Ni-61

MAT 2834 Dpa inelastic (mt51-91) 28-Ni-61
 Cross Section -100.0 To 9999. %

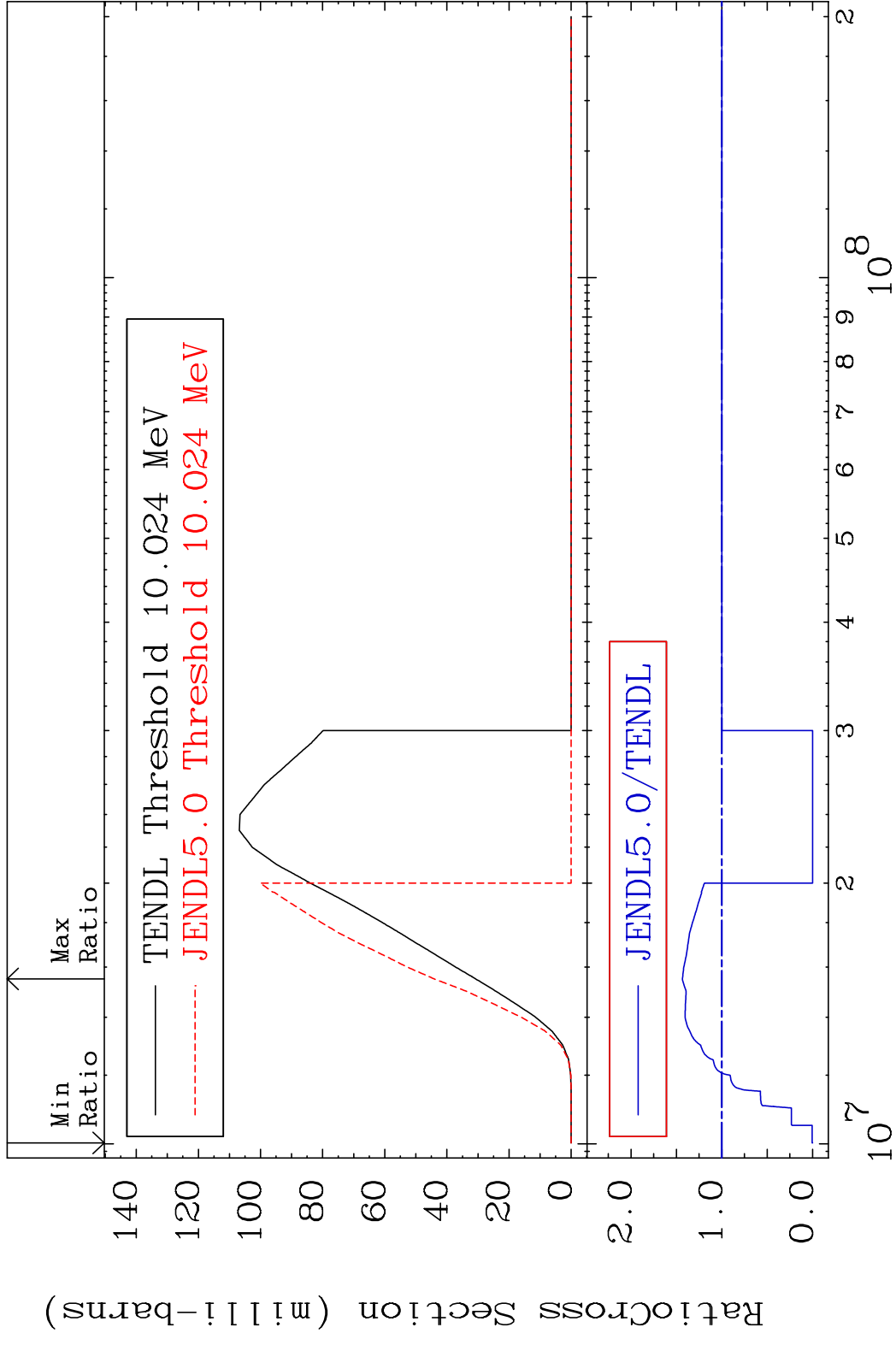


MAT 2834 Dpa disappearance (mt102 -120) 28-Ni-61
 Cross Section -100.0 To 9999. %

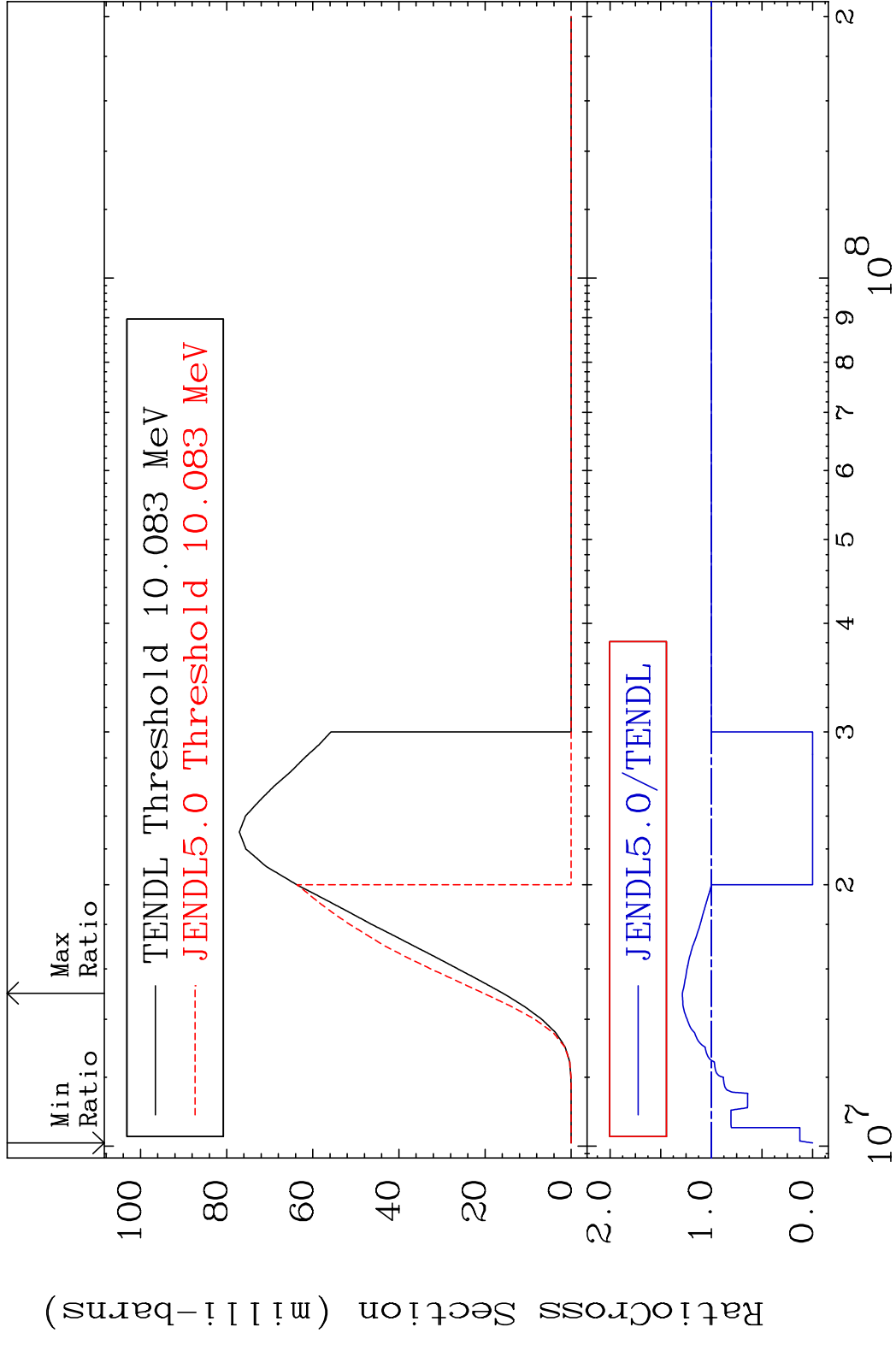


53 Incident Energy (eV) 28-Ni-61

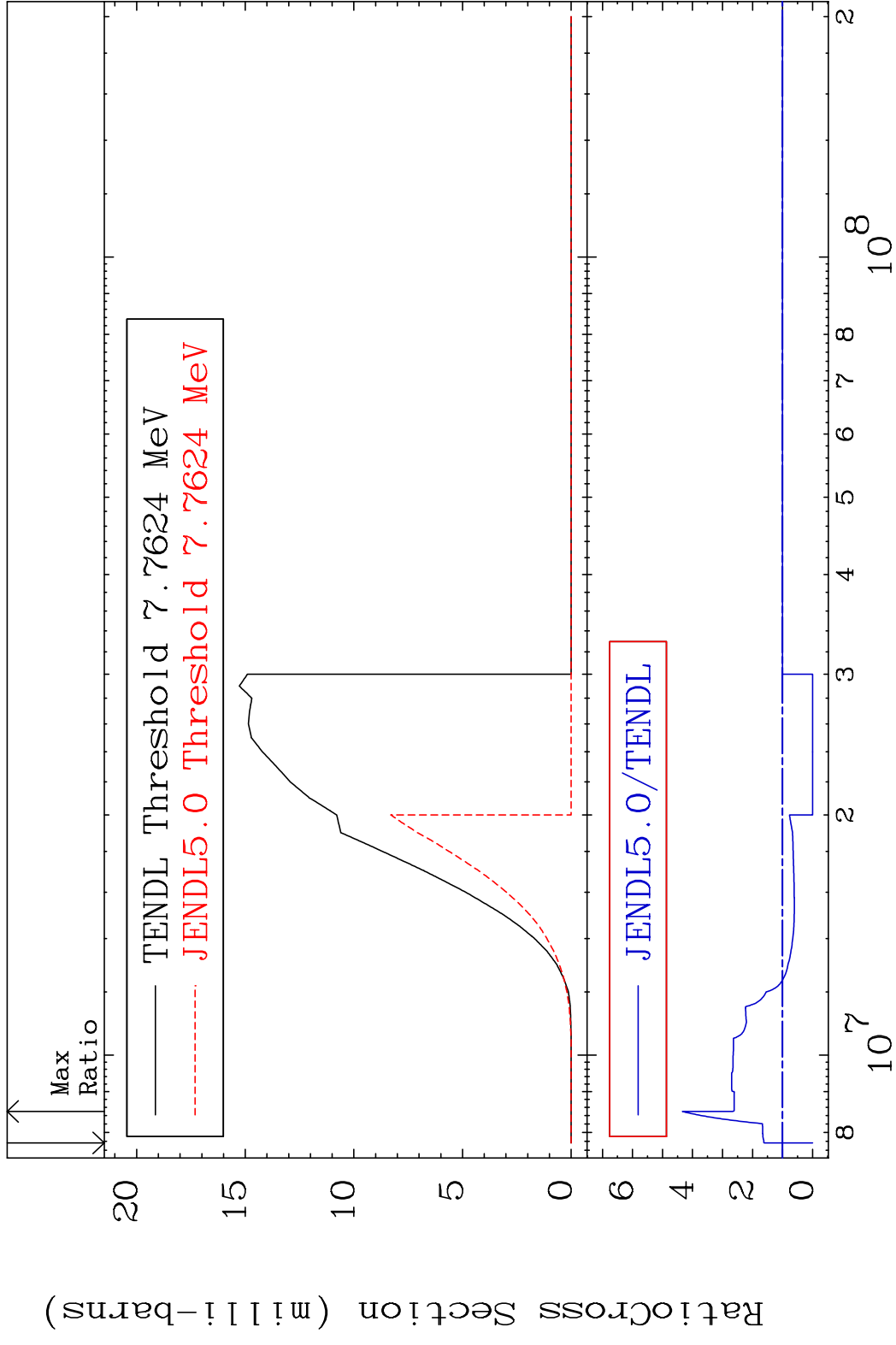
MAT 2834 (n, n') p:27-Co-60g 28-Ni-61
 Radionuclide Production Cross Section 180.01 dth 43.47 %



MAT 2834 (n, n') p:27-Co-60m1 28-Ni-61
 Radionuclide Production Cross Section Ratio 28.59 %



MAT 2834 (n, d): 27-Co-60g 28-Ni-61
 Radionuclide Production Cross Section 180.0 dth 333.8 %



56 Incident Energy (eV) 28-Ni-61

MAT 2834 (n,d):27-Co-60m1 28-Ni-61
 Radionuclide Production Cross Section 180.0 mb 229.3 %

