

Program Complot
(Version 2021-1)

by

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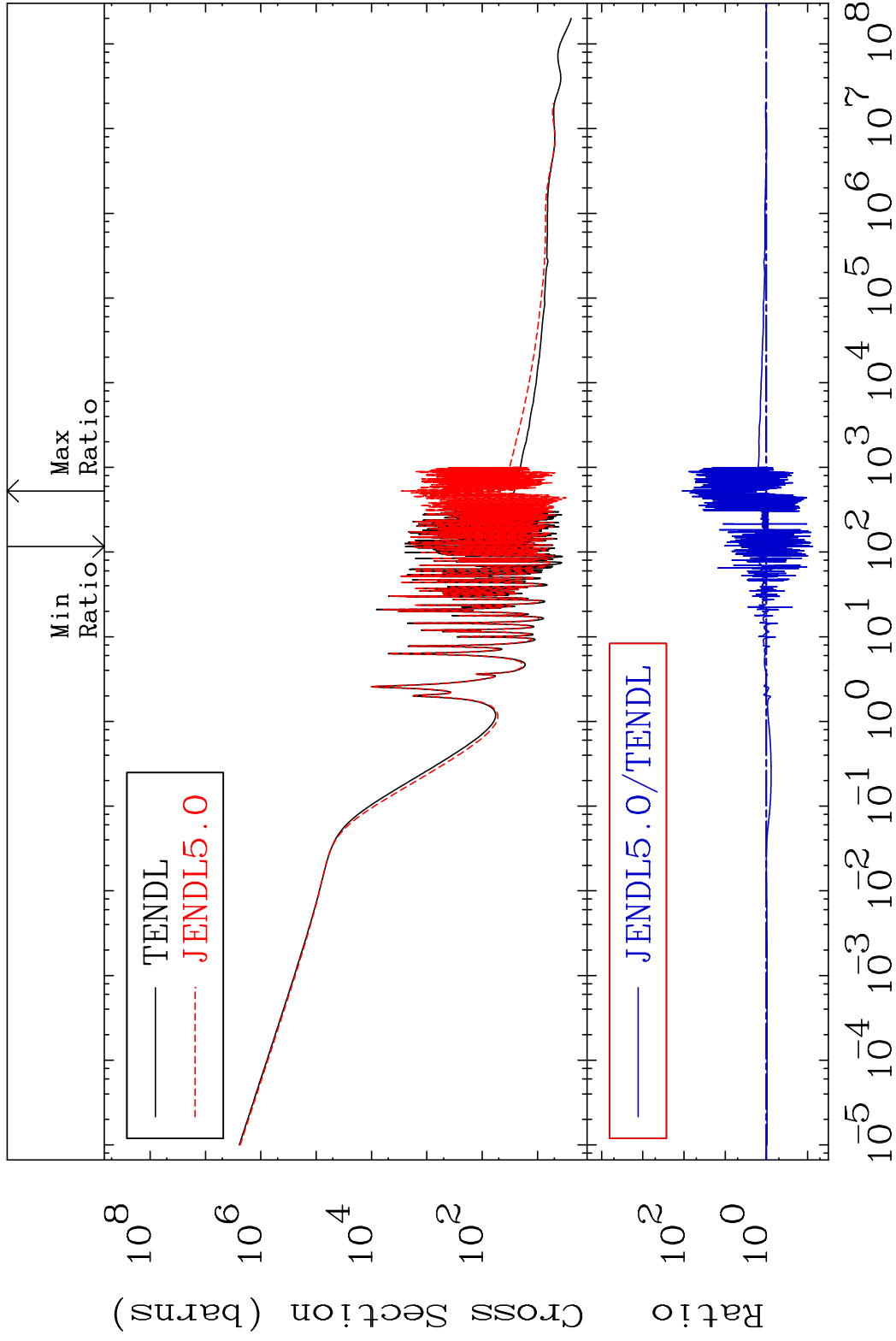
Press Mouse Button to Start

MAT 6434

Total

64-Gd-155

Cross Section -92.43 To 9999. %



1

Incident Energy (eV)

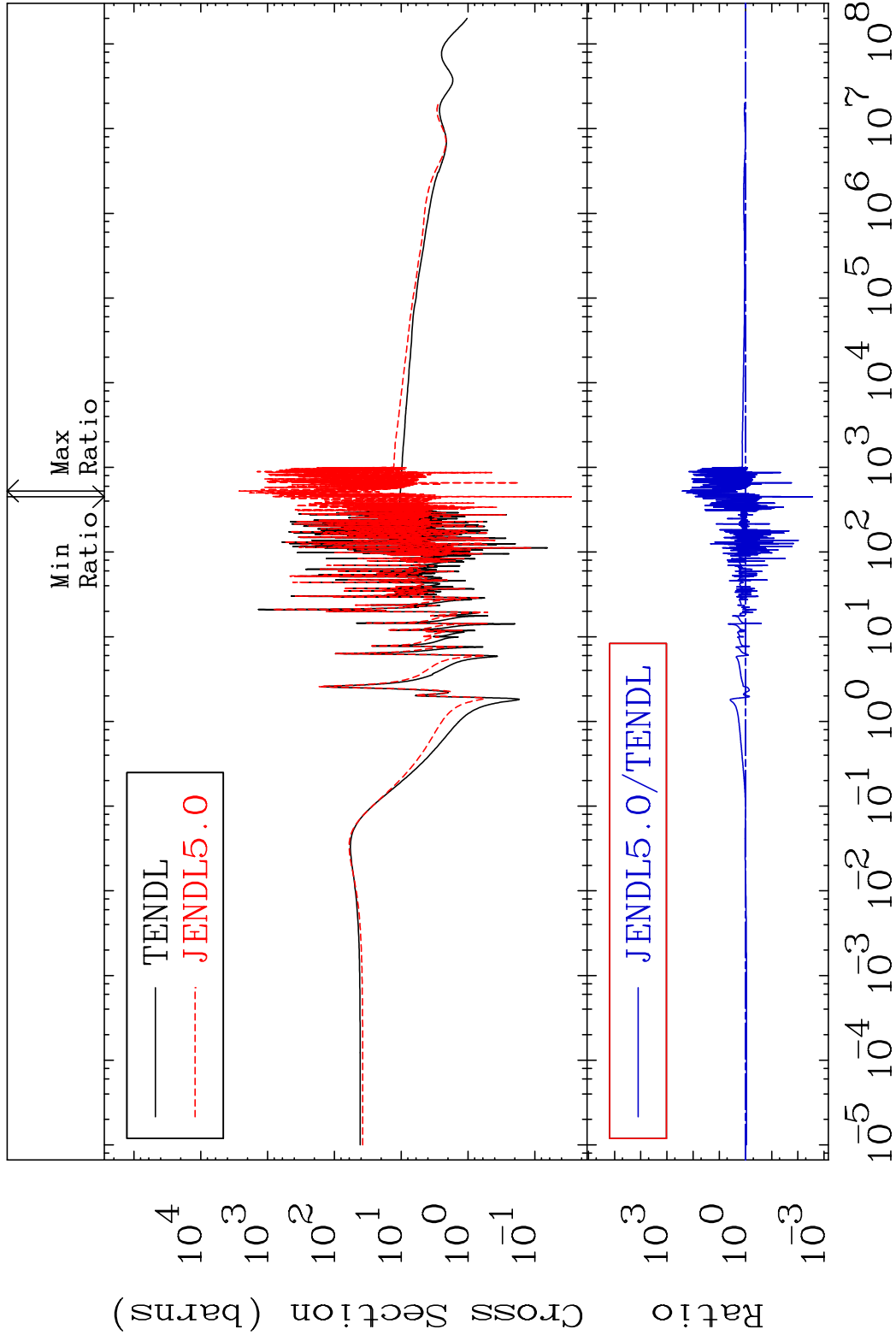
64-Gd-155

MAT 6434

Elastic

64-Gd-155

Cross Section -99.73 To 9999. %



2

Incident Energy (eV)

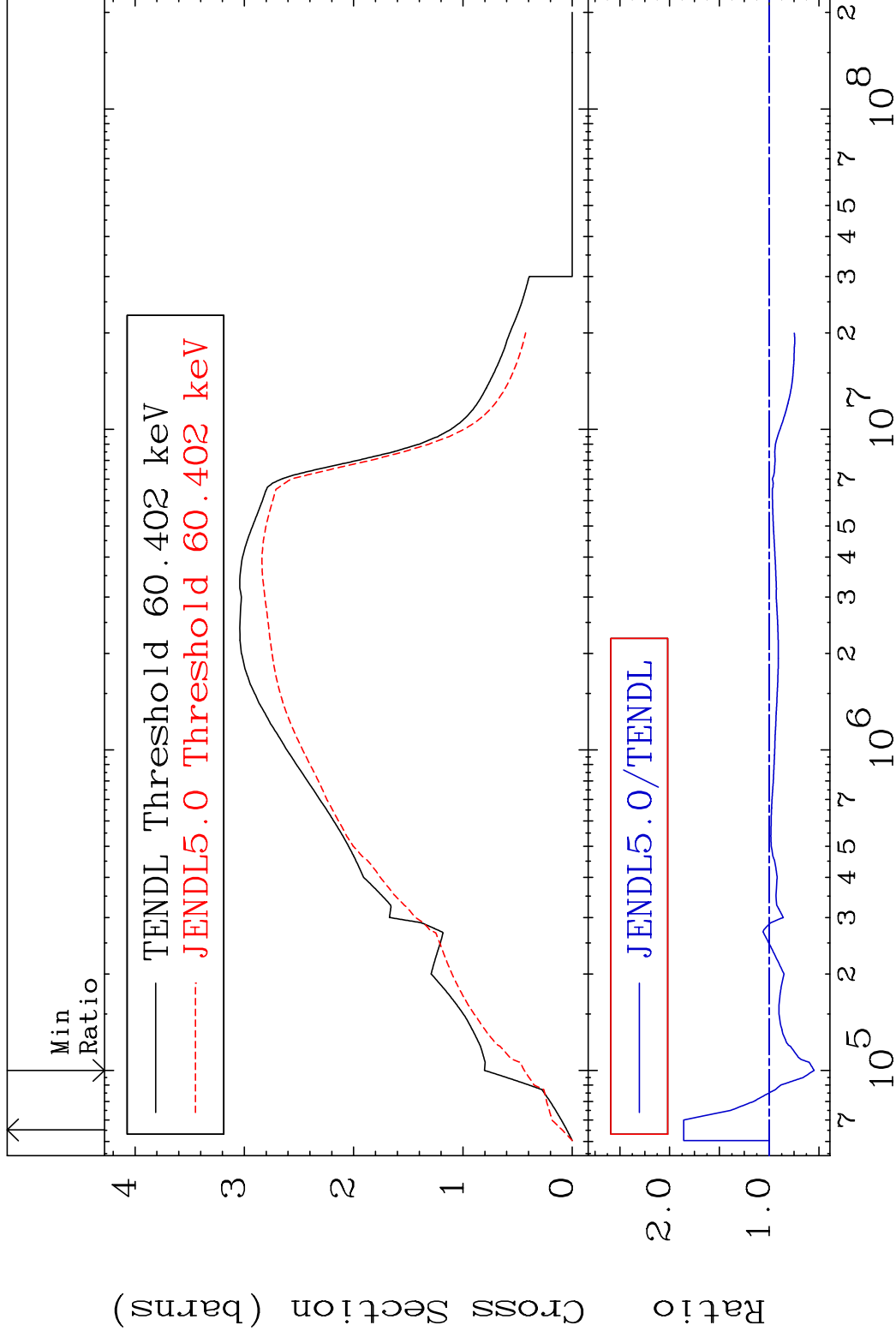
64-Gd-155

MAT 6434

Inelastic

64-Gd-155

Cross Section -45.14 To 85.91 %



3

Incident Energy (eV)

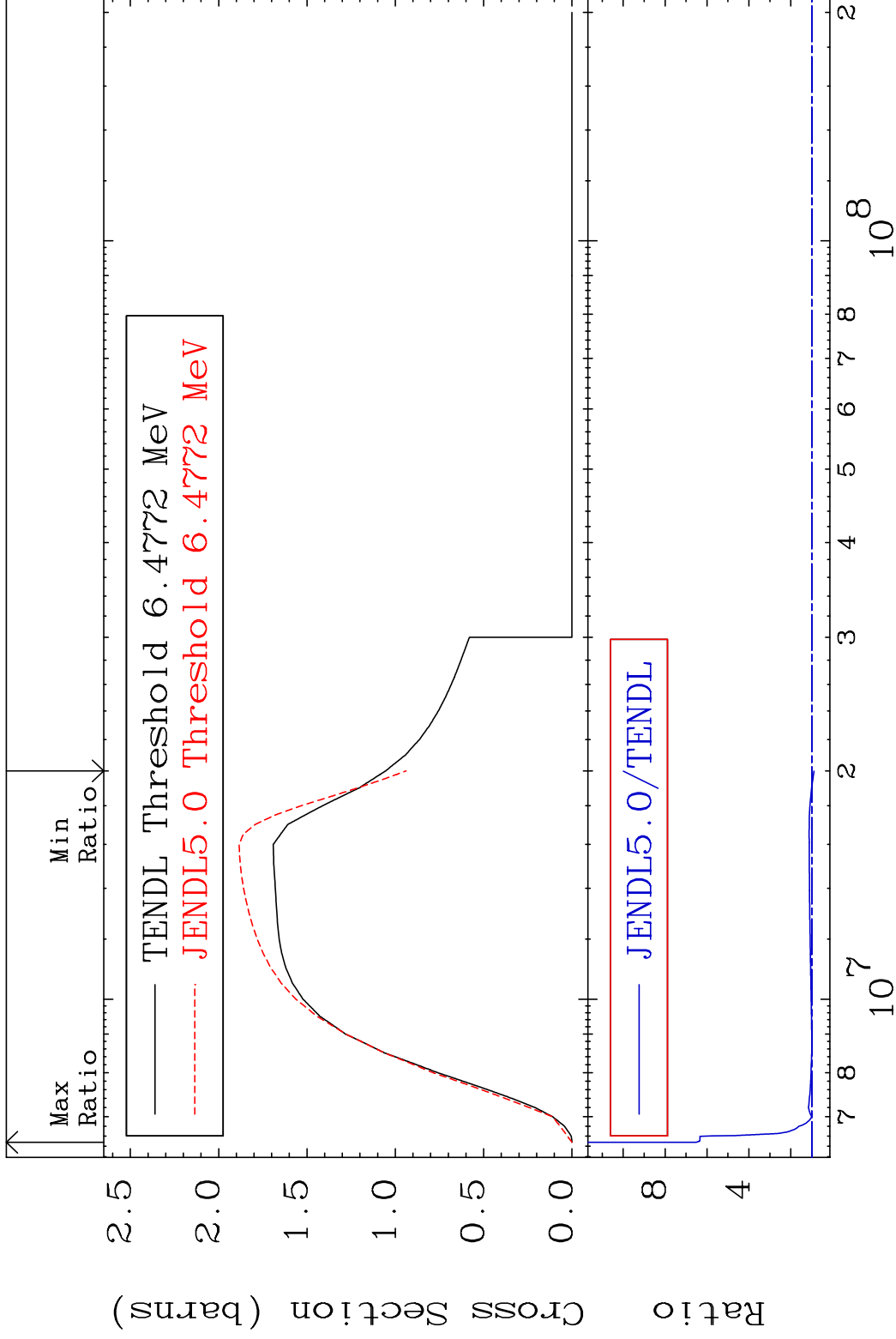
64-Gd-155

MAT 6434

(n,2n)

64-Gd-155

Cross Section -11.01 To 612.3 %



4

Incident Energy (eV)

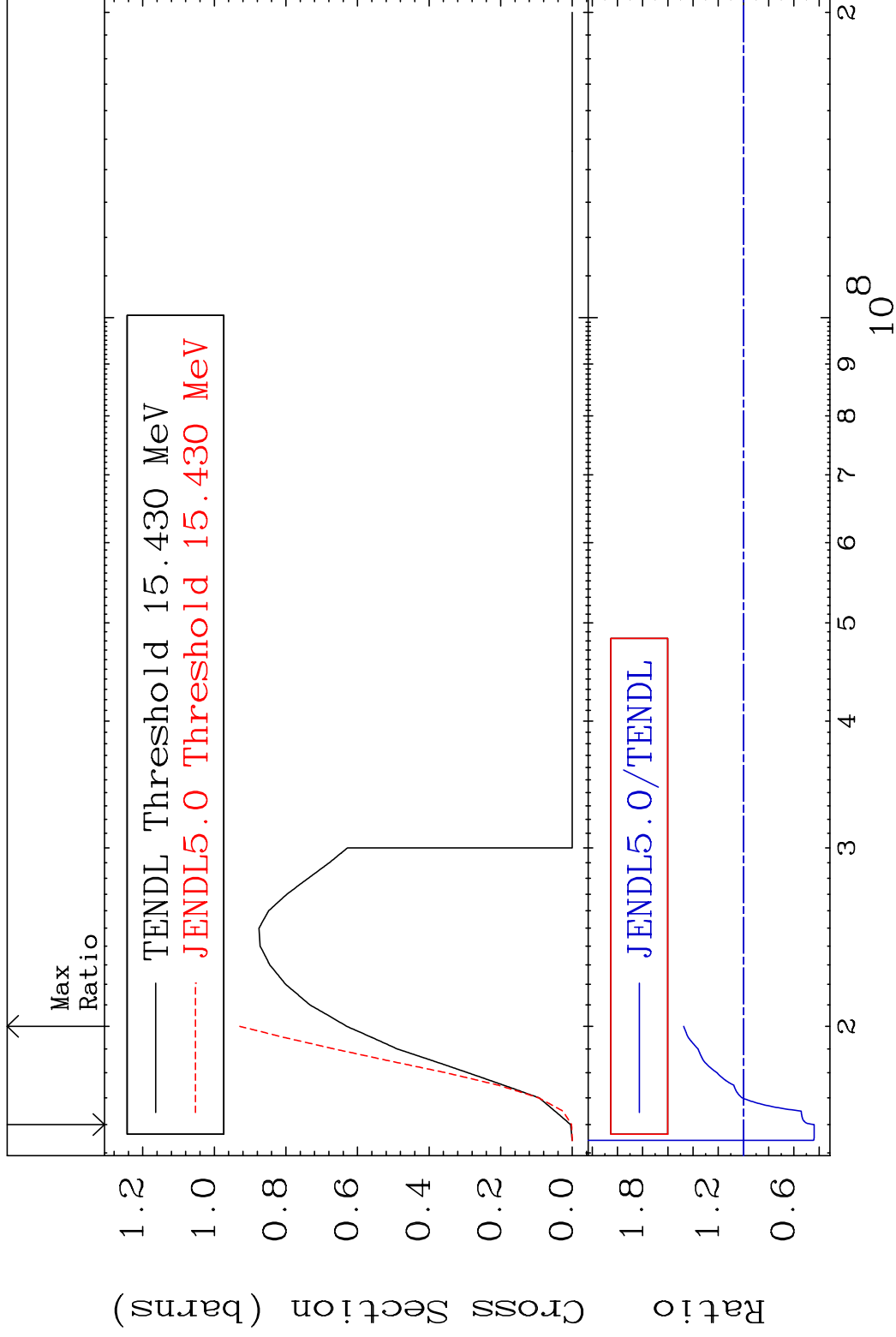
64-Gd-155

MAT 6434

(n,3n)

64-Gd-155

Cross Section -56.04 To 47.45 %



5

Incident Energy (eV)

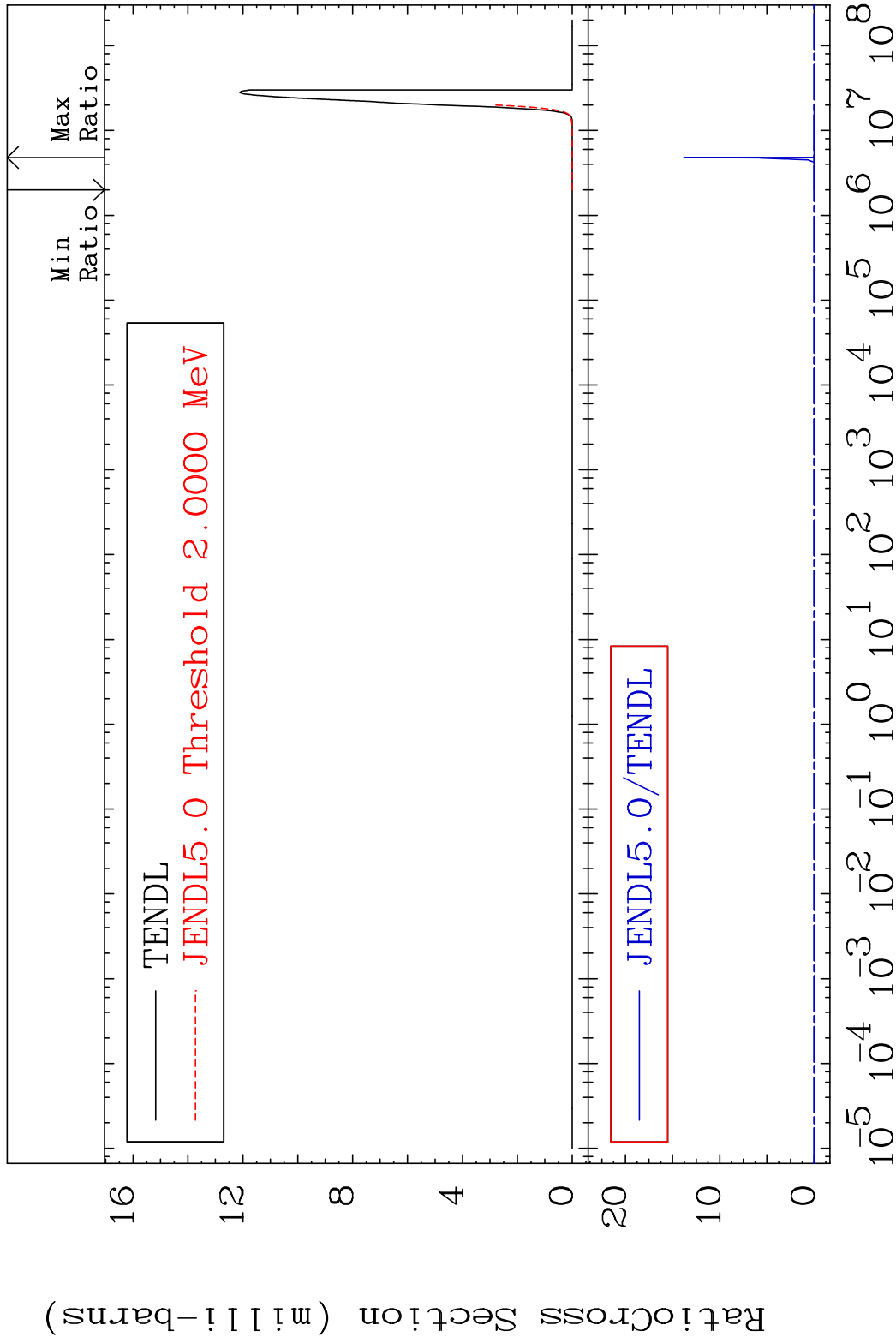
64-Gd-155

MAT 6434

(n, n') α

64-Gd-155

Cross Section -100.0 To 9999. %



6

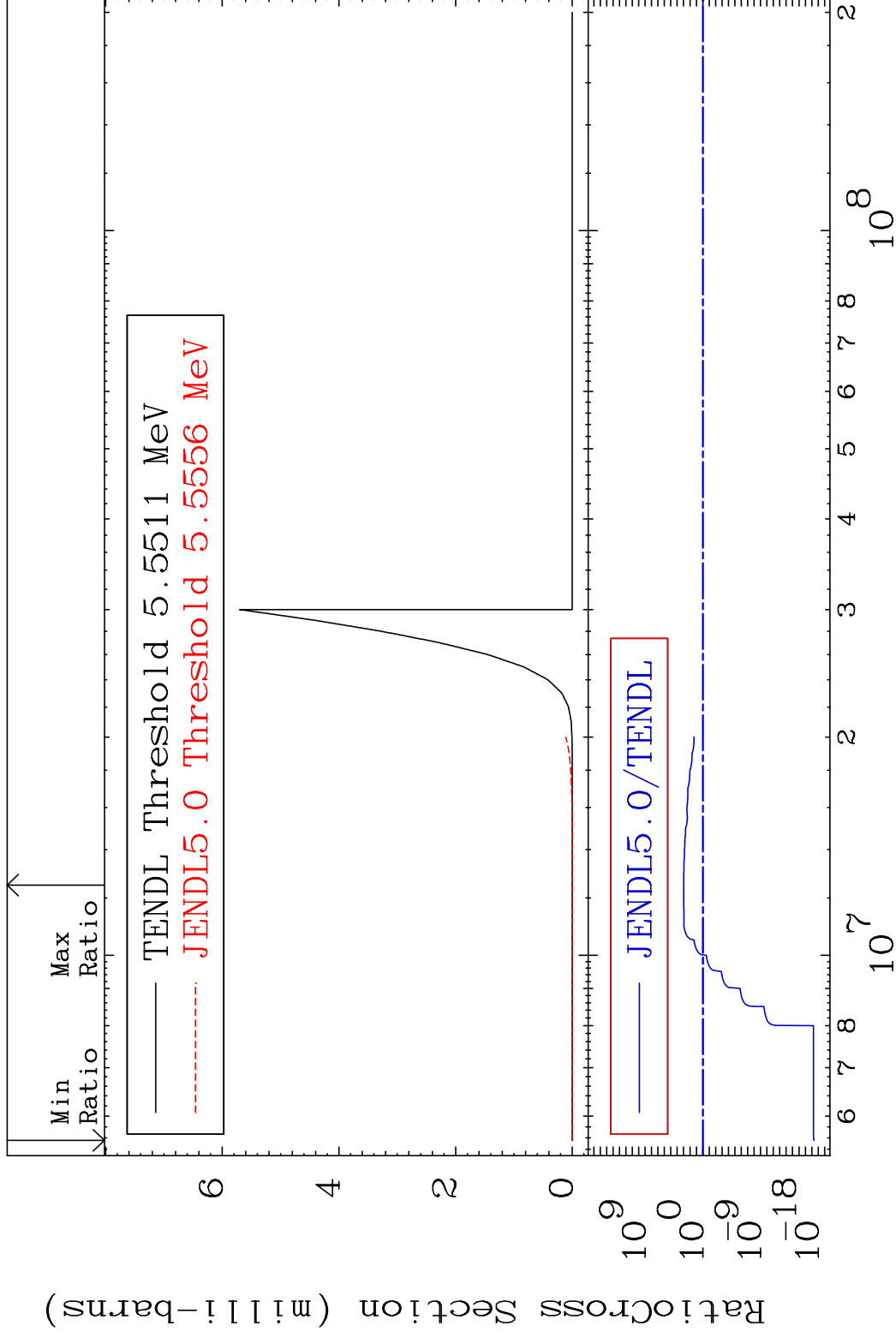
Incident Energy (eV)

64-Gd-155

MAT 6434

(n,2n) α 64-Gd-155

Cross Section -100.0 To 9999. %



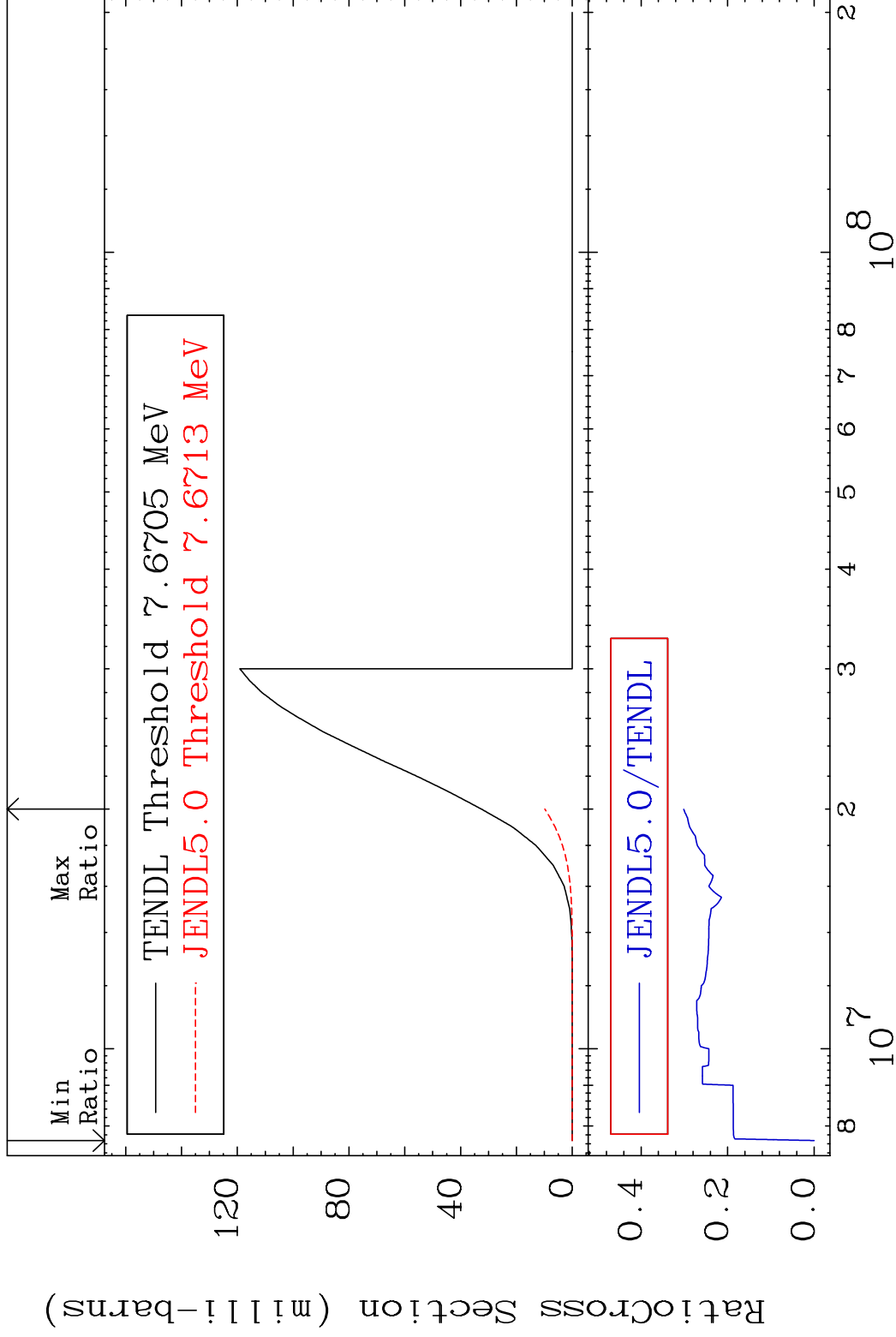
7

Incident Energy (eV)

64-Gd-155

MAT 6434

(n, n') p 64-Gd-155
Cross Section -100.0 To -69.83%



8

Incident Energy (eV)

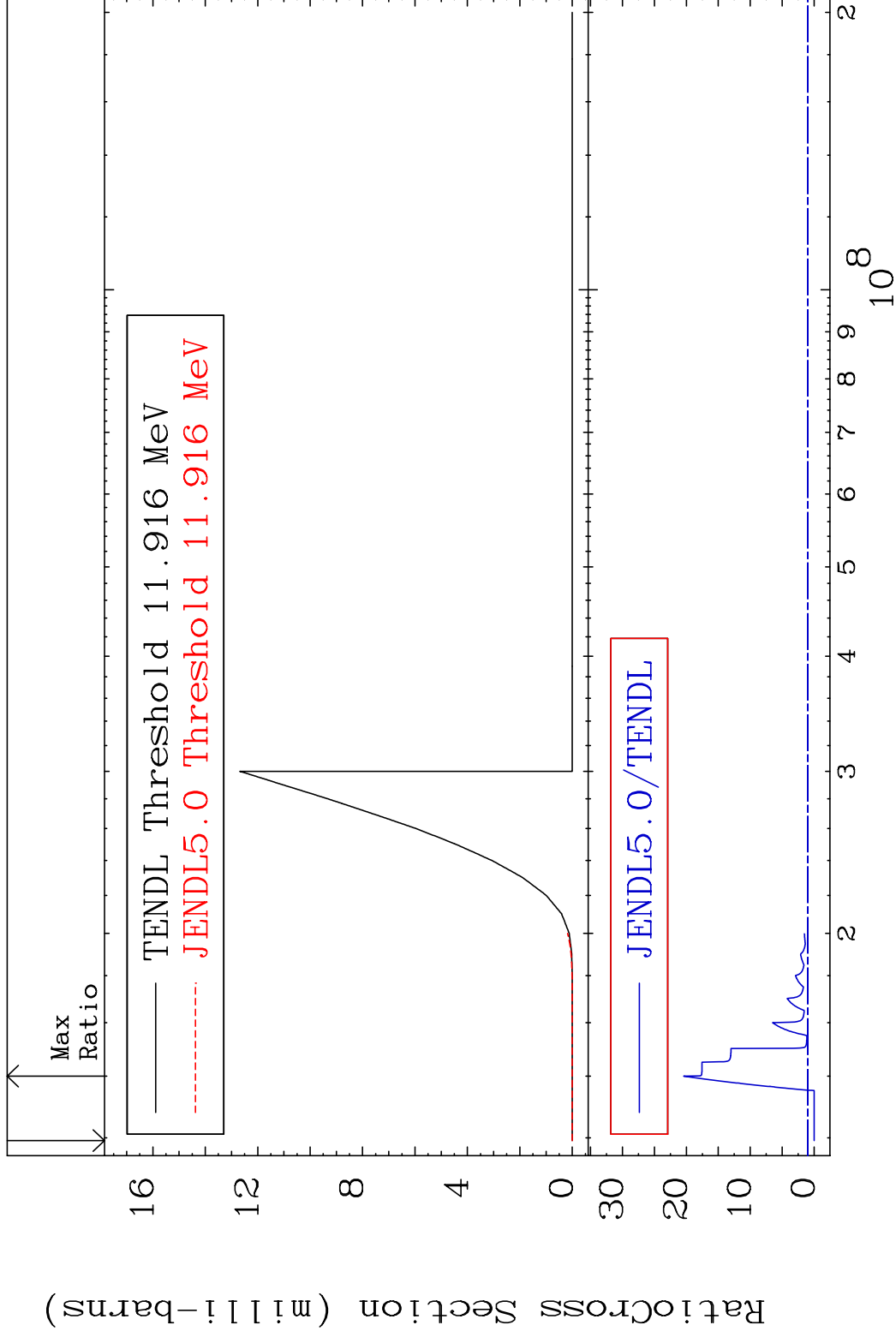
64-Gd-155

MAT 6434

(n, n') d

64-Gd-155

Cross Section -100.0 To 1942. %

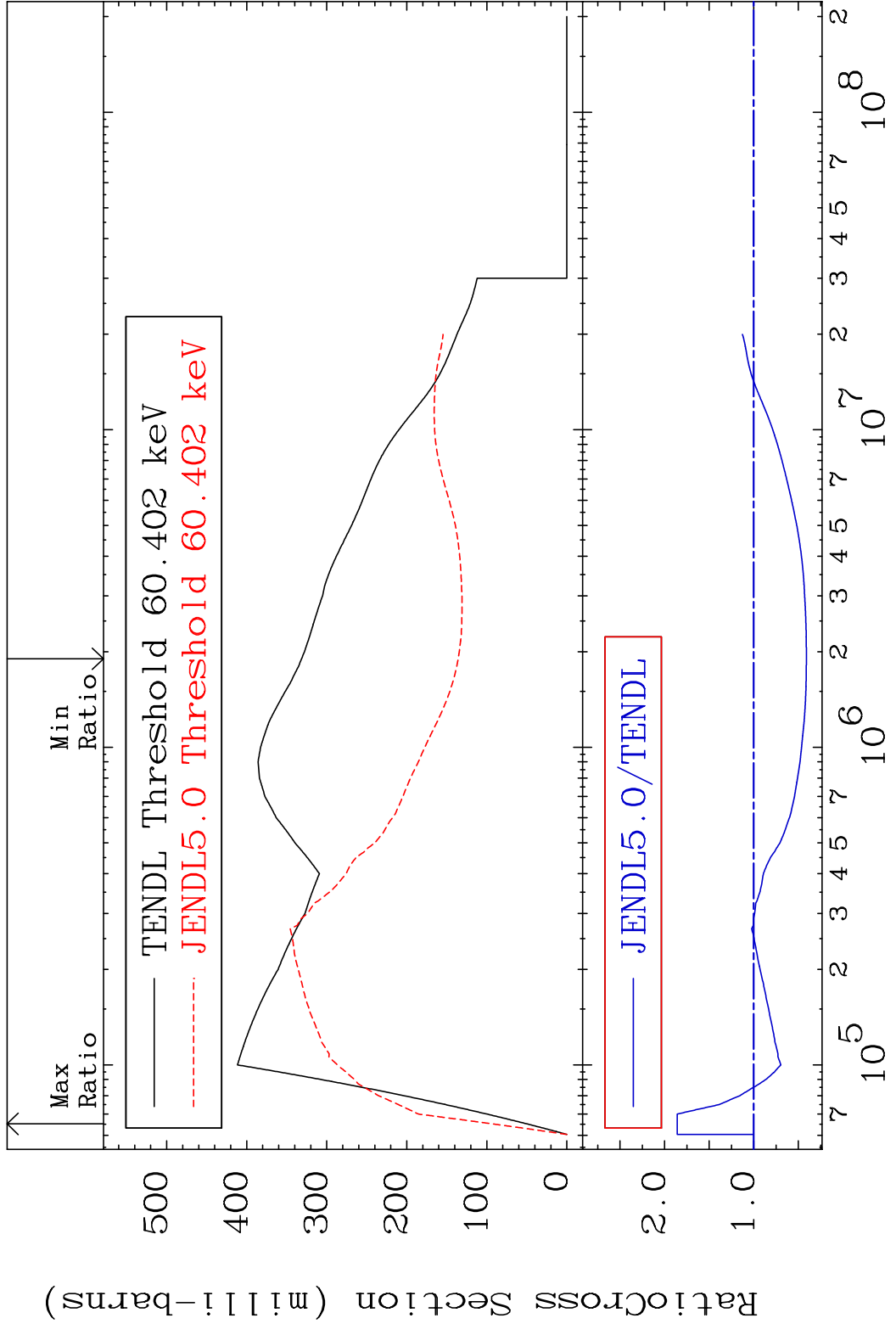


9

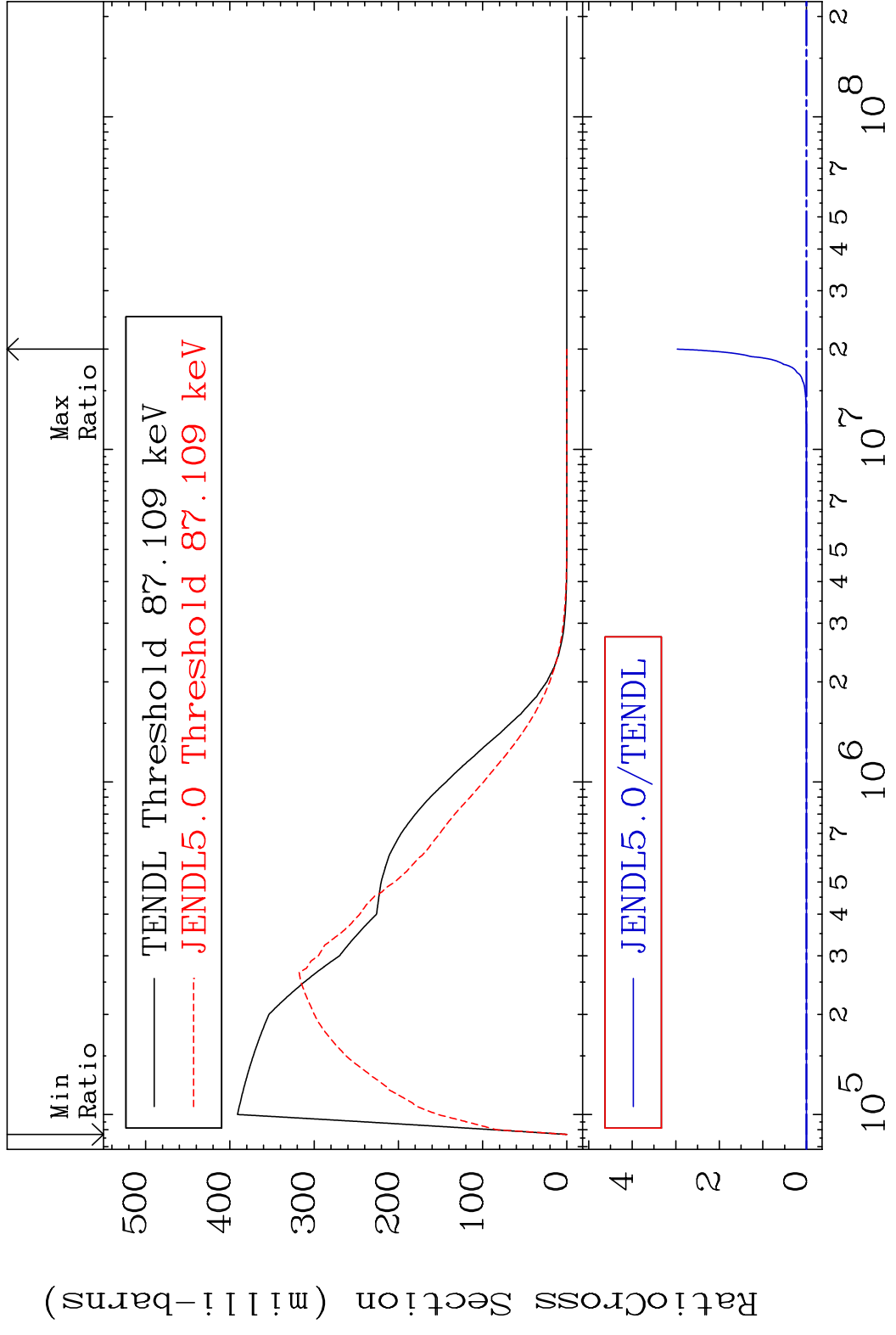
Incident Energy (eV)

64-Gd-155

MAT 6434 MT= 51 (n,n') Level 64-Gd-155
 Cross Section -59.04 To 85.91 %

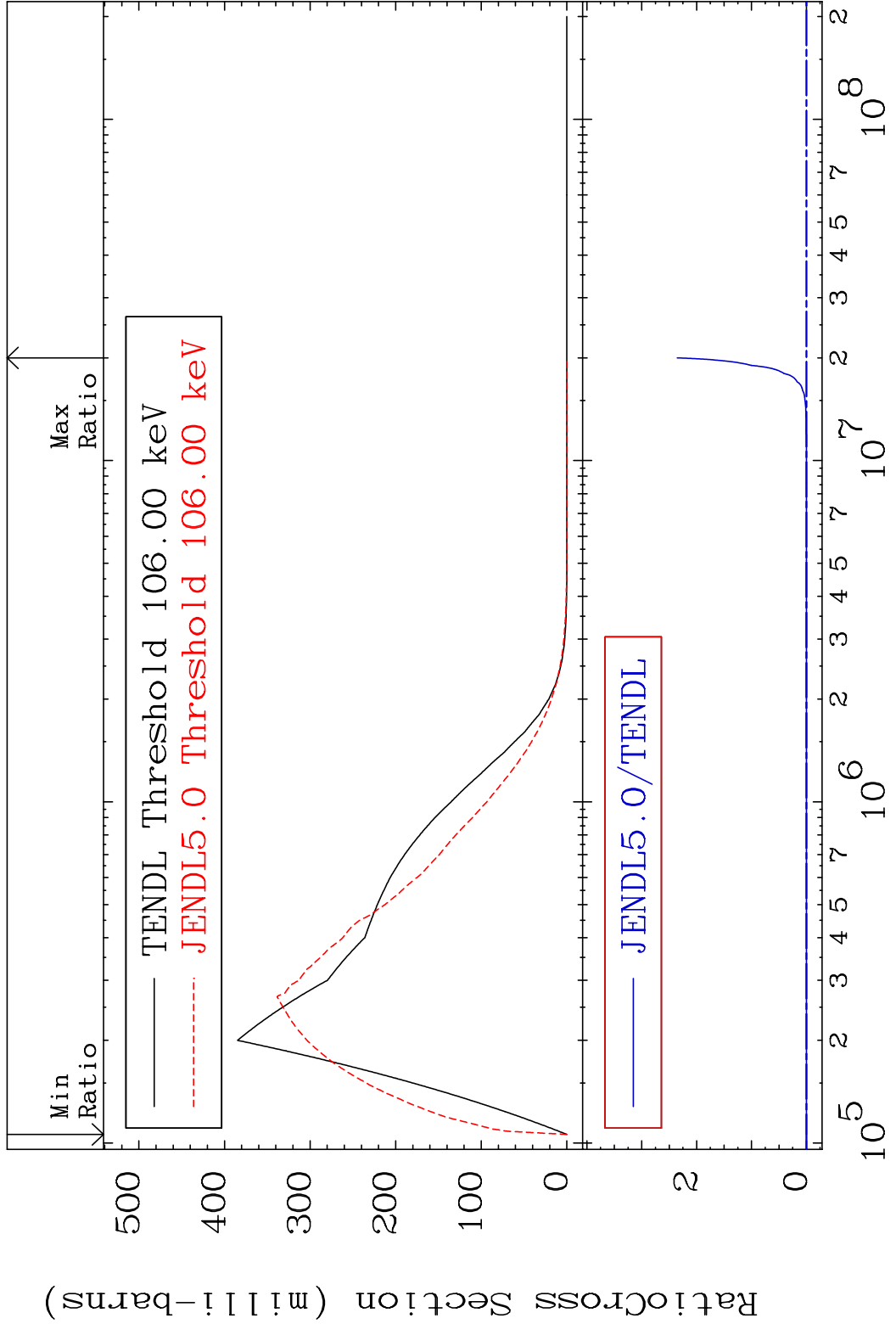


MAT 6434 MT= 52 (n,n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %

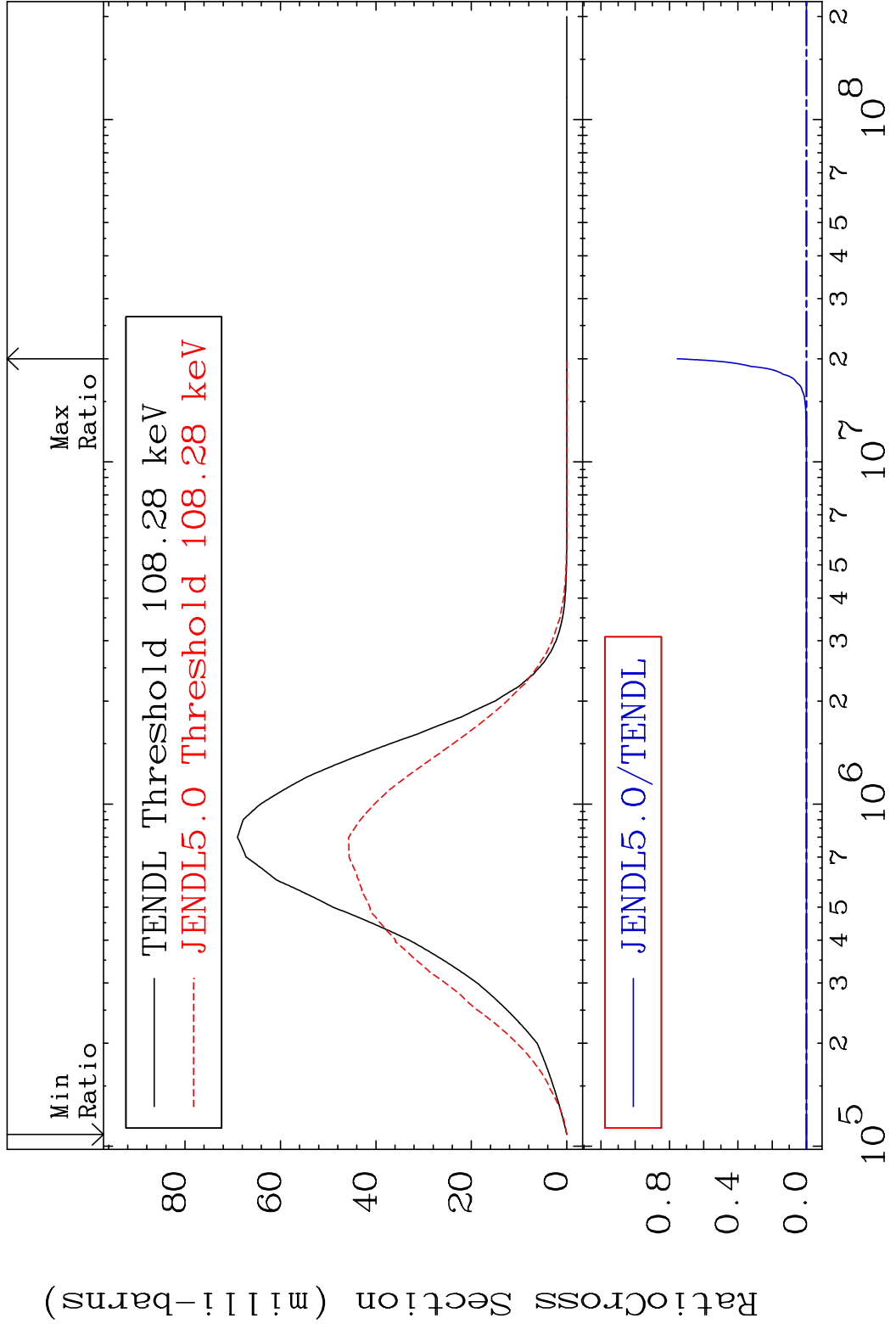


12 Incident Energy (eV) 64-Gd-155

MAT 6434 MT= 53 (n,n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %

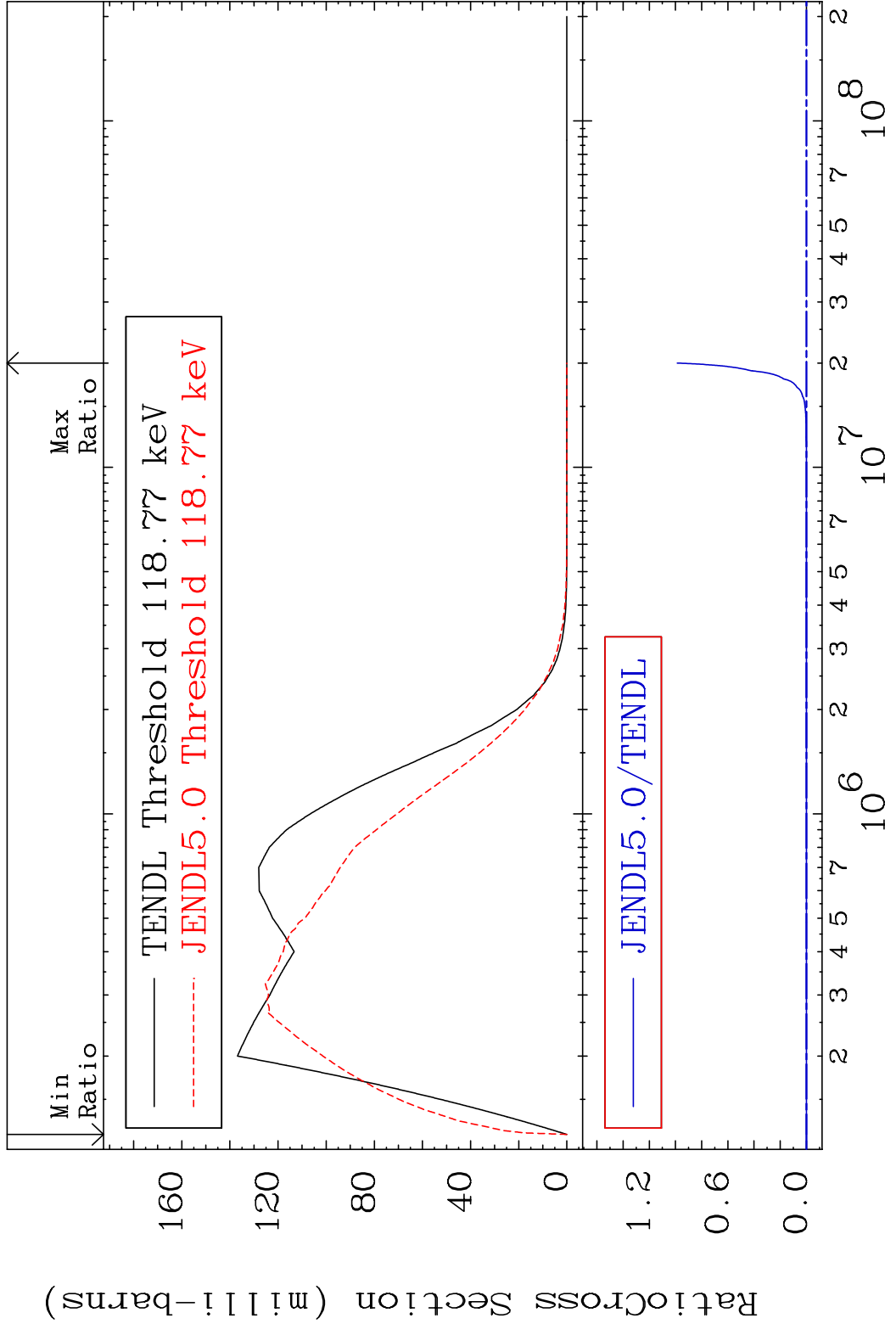


MAT 6434 MT= 54 (n,n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %

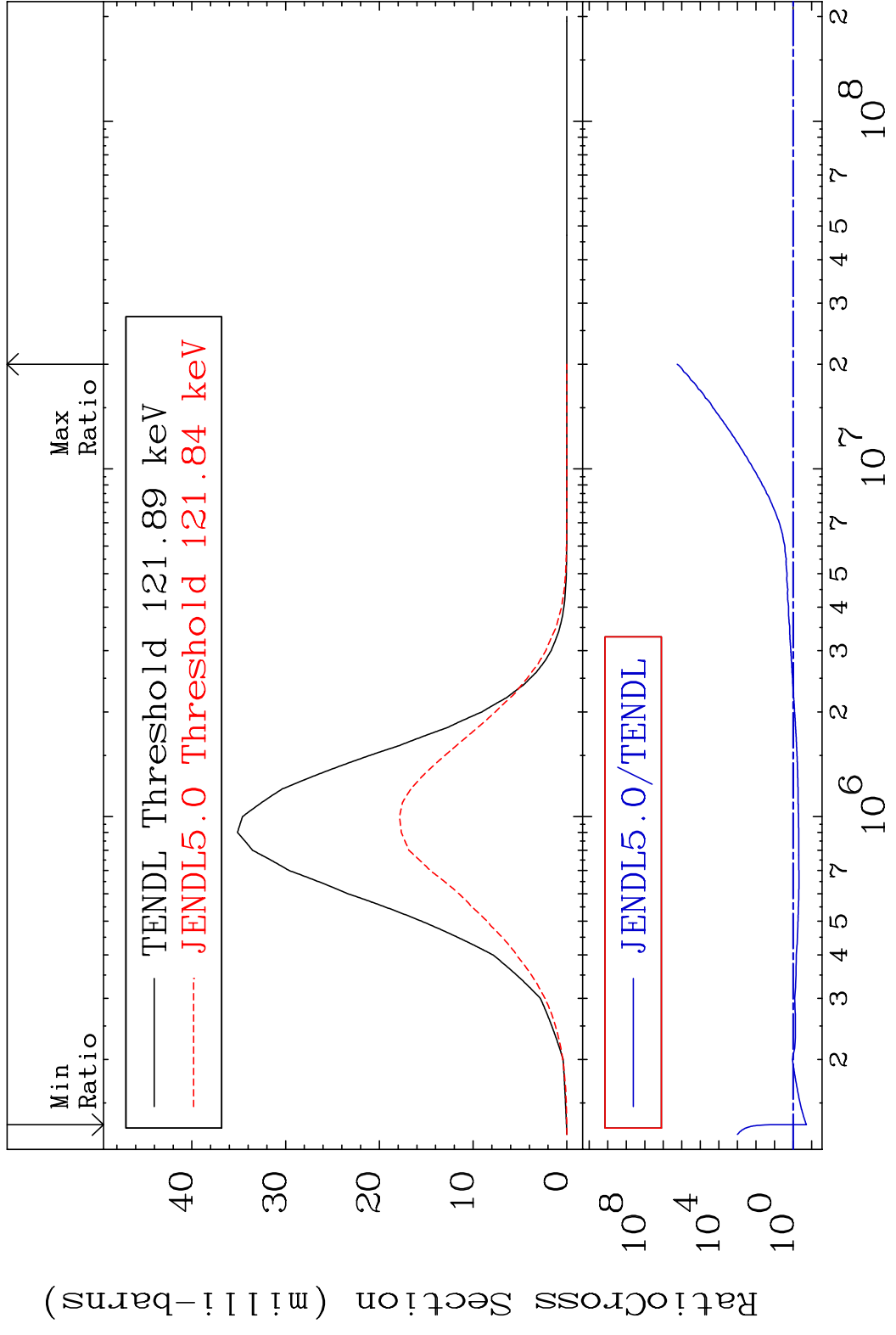


14 Incident Energy (eV) 64-Gd-155

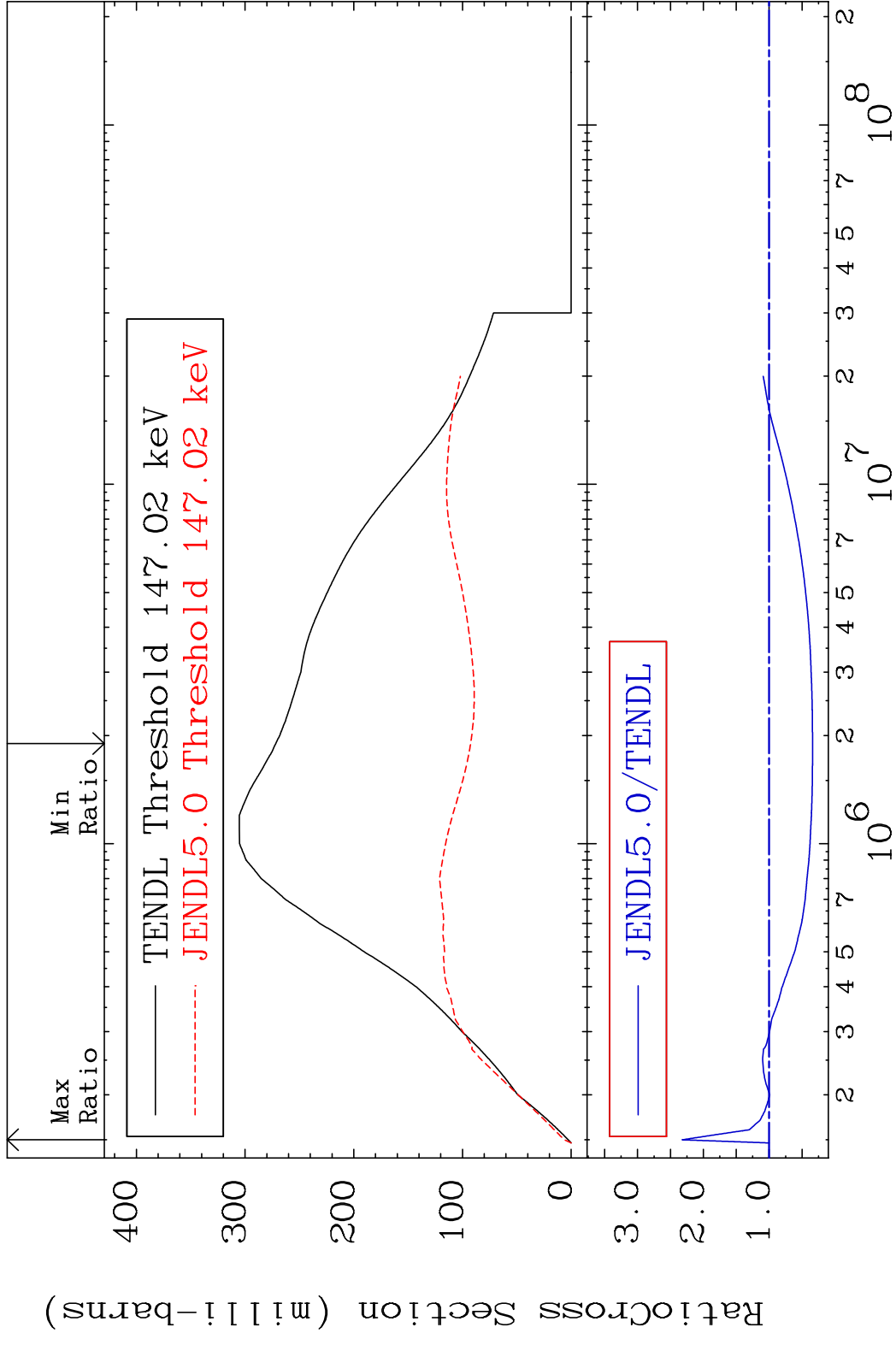
MAT 6434 MT= 55 (n,n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %



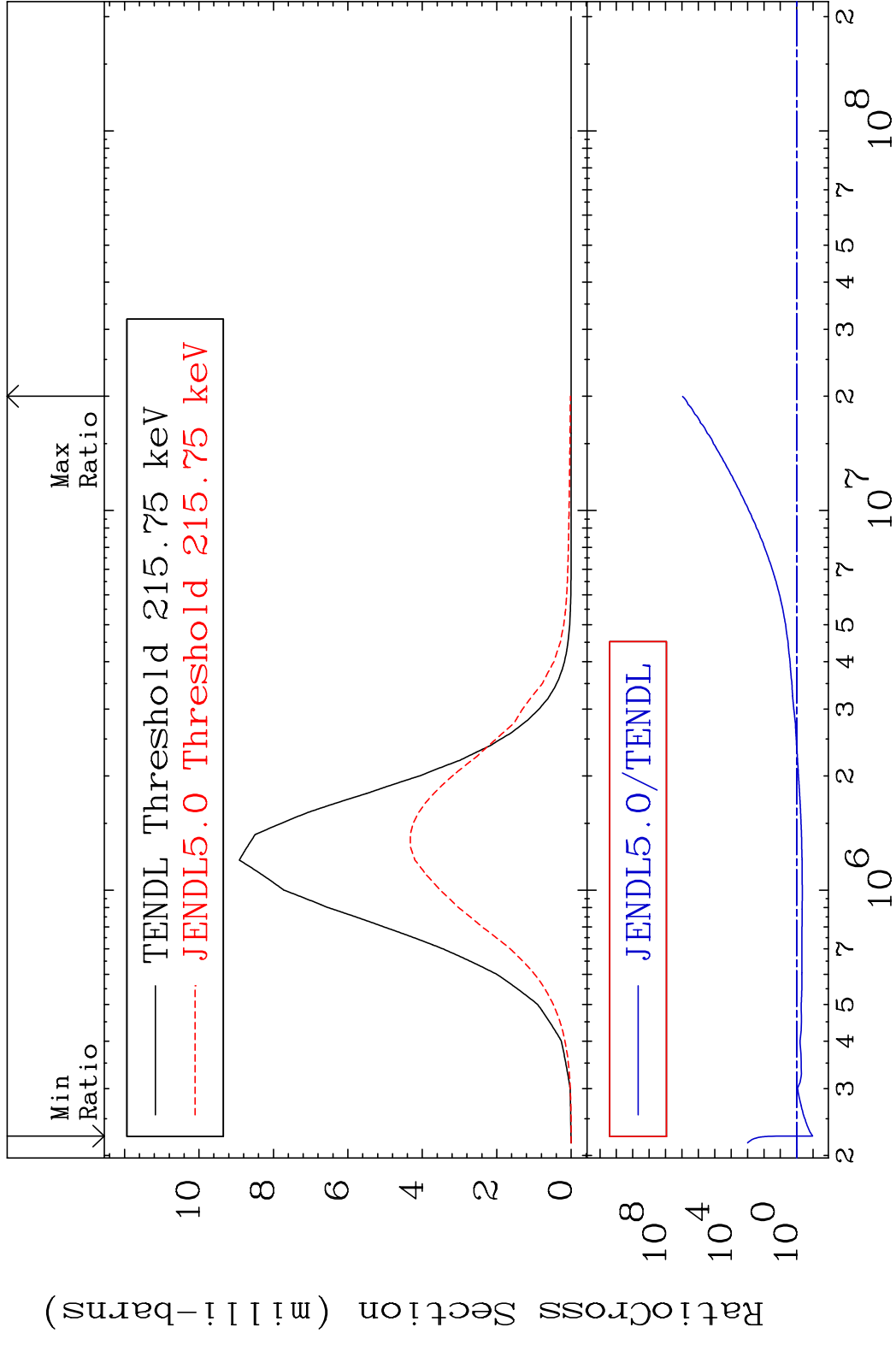
MAT 6434 MT= 56 (n,n') Level 64-Gd-155
 Cross Section -80.67 To 9999. %



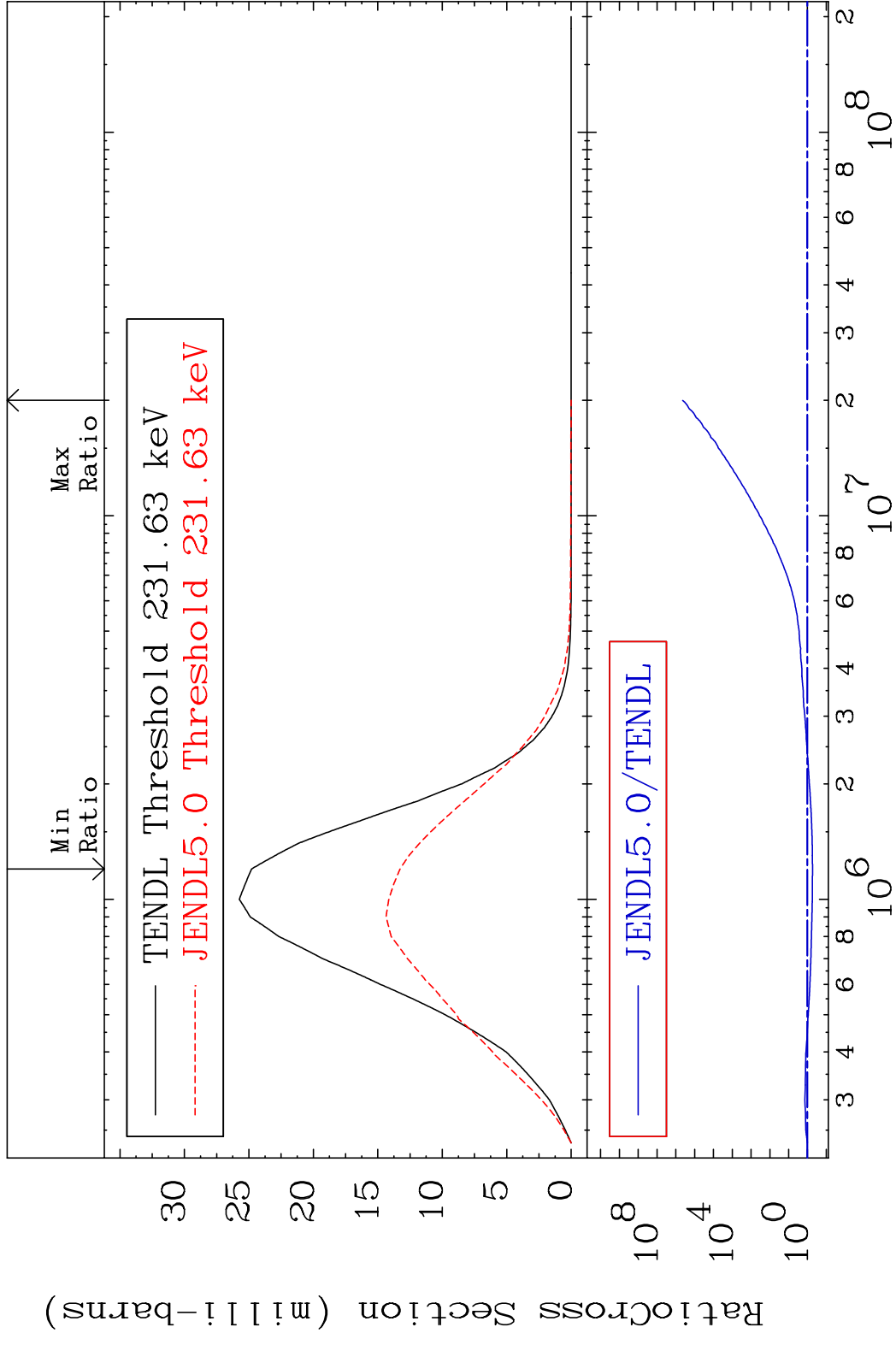
MAT 6434 MT= 57 (n, n') Level 64-Gd-155
 Cross Section -65.97 To 131.9 %



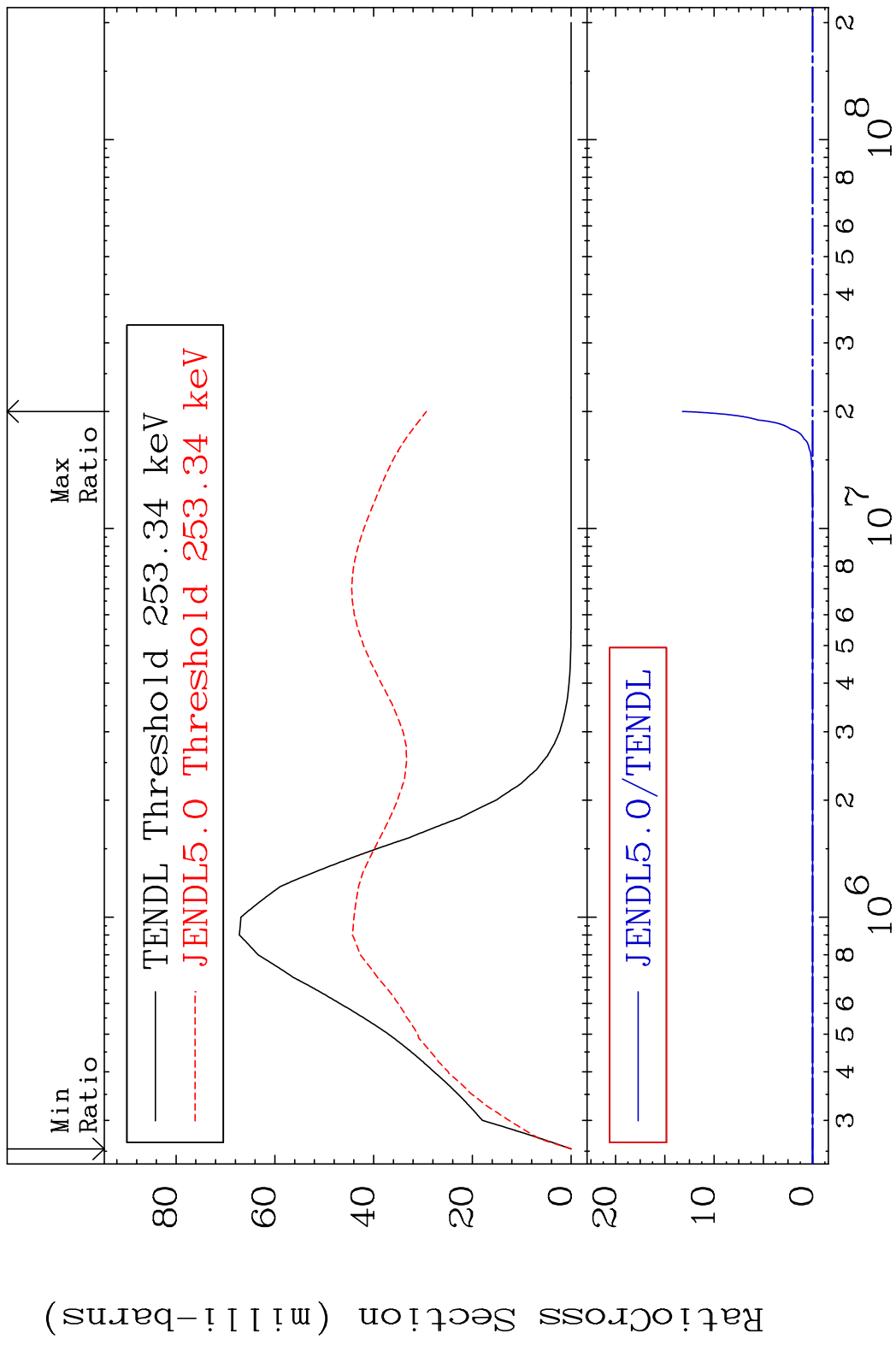
MAT 6434 MT= 58 (n,n') Level 64-Gd-155
 Cross Section -89.20 To 9999. %



MAT 6434 MT= 59 (n, n') Level 64-Gd-155
 Cross Section -46.46 To 9999. %

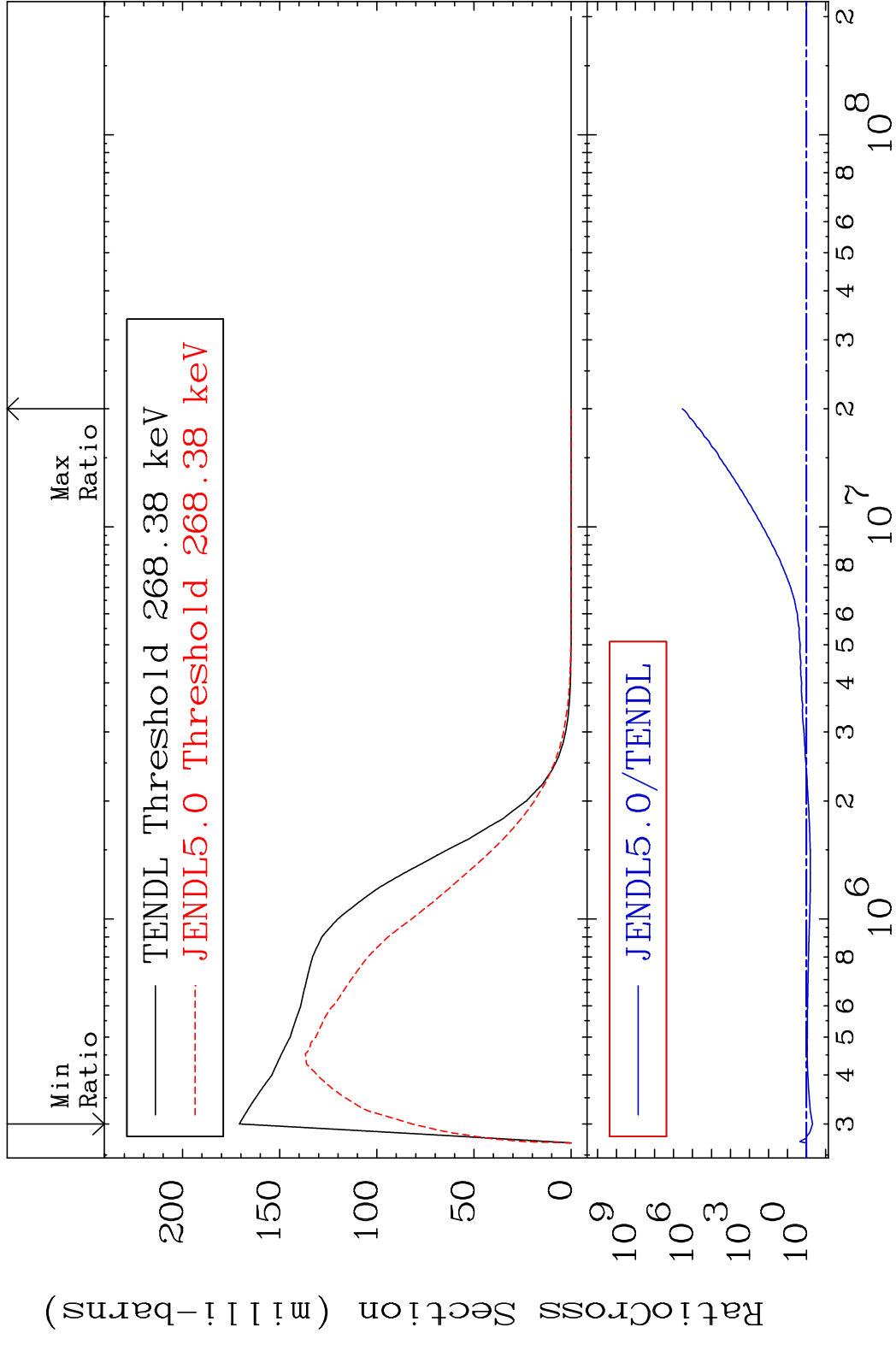


MAT 6434 MT= 60 (n, n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %

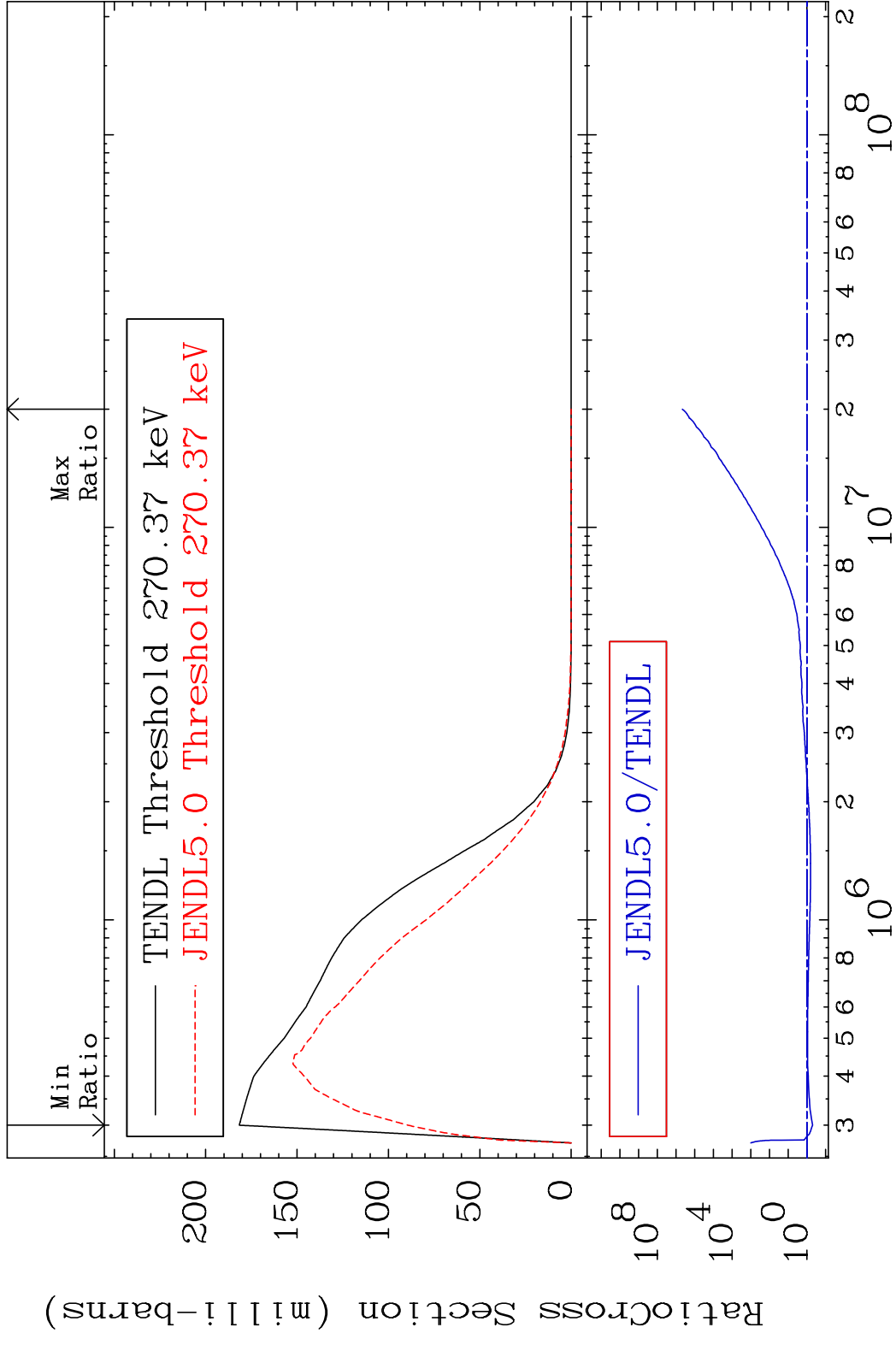


20 Incident Energy (eV) 64-Gd-155

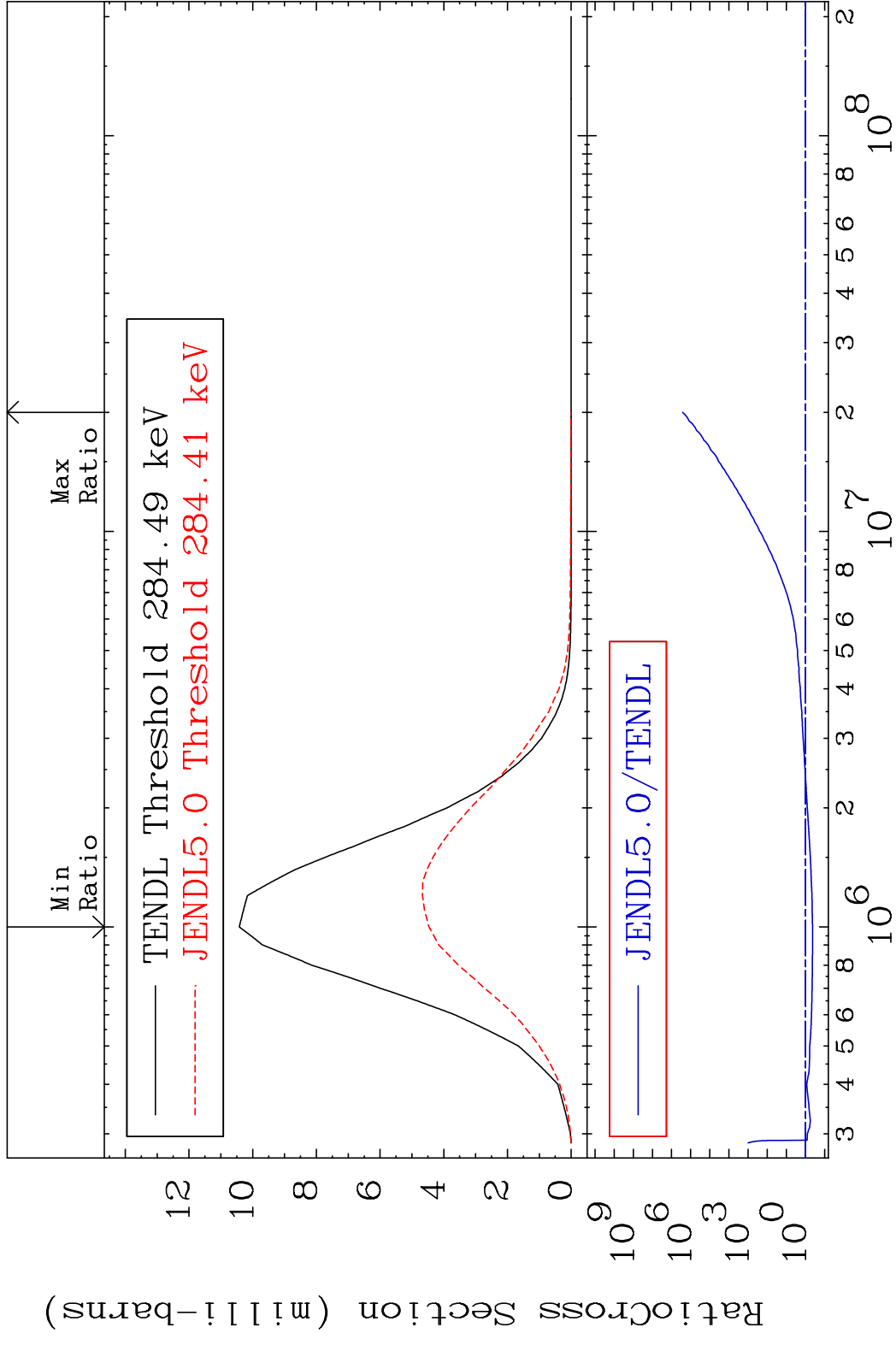
MAT 6434 MT= 61 (n,n') Level 64-Gd-155
 Cross Section -52.04 To 9999. %



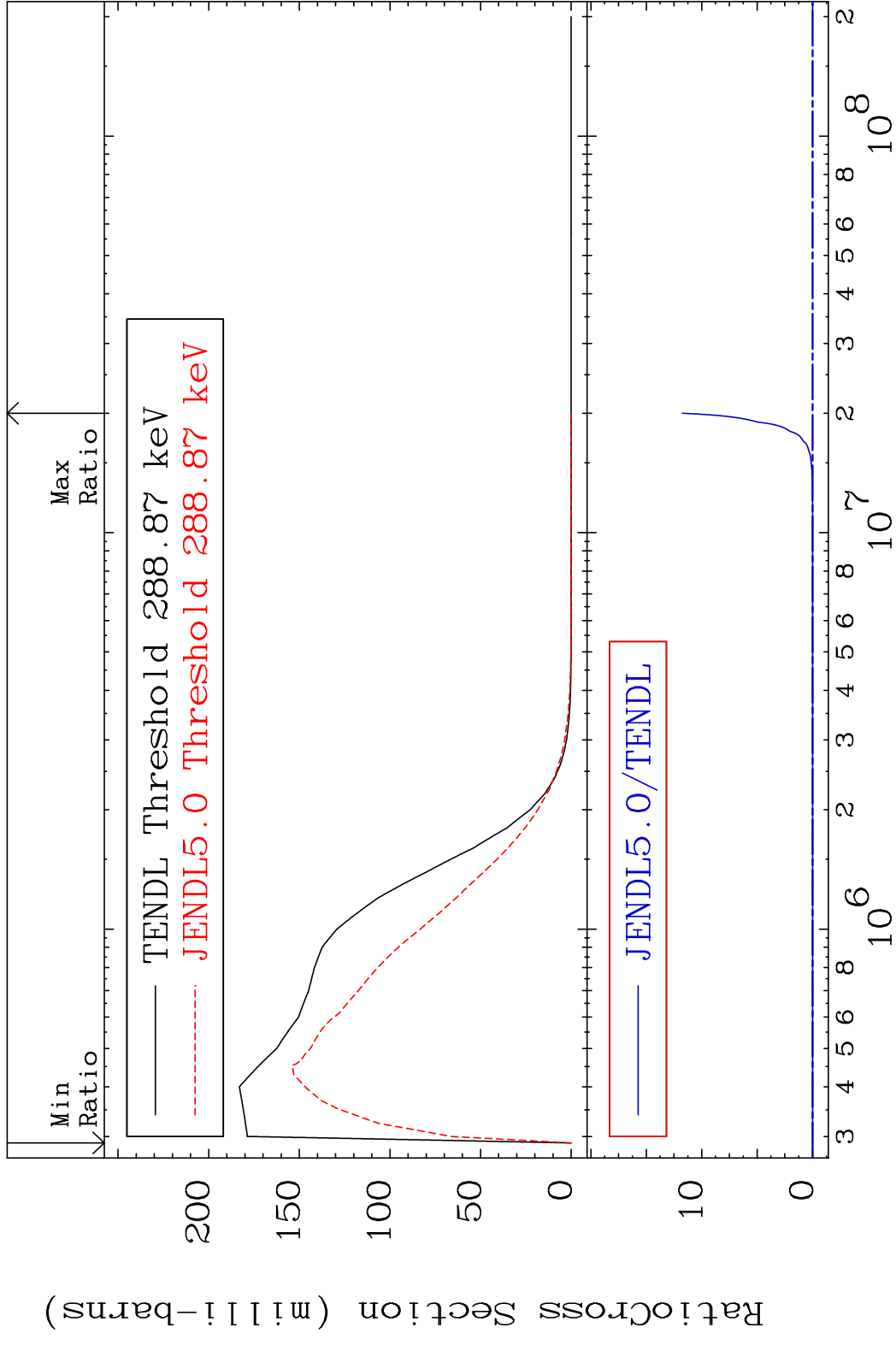
MAT 6434 MT= 62 (n,n') Level 64-Gd-155
 Cross Section -50.74 To 9999. %



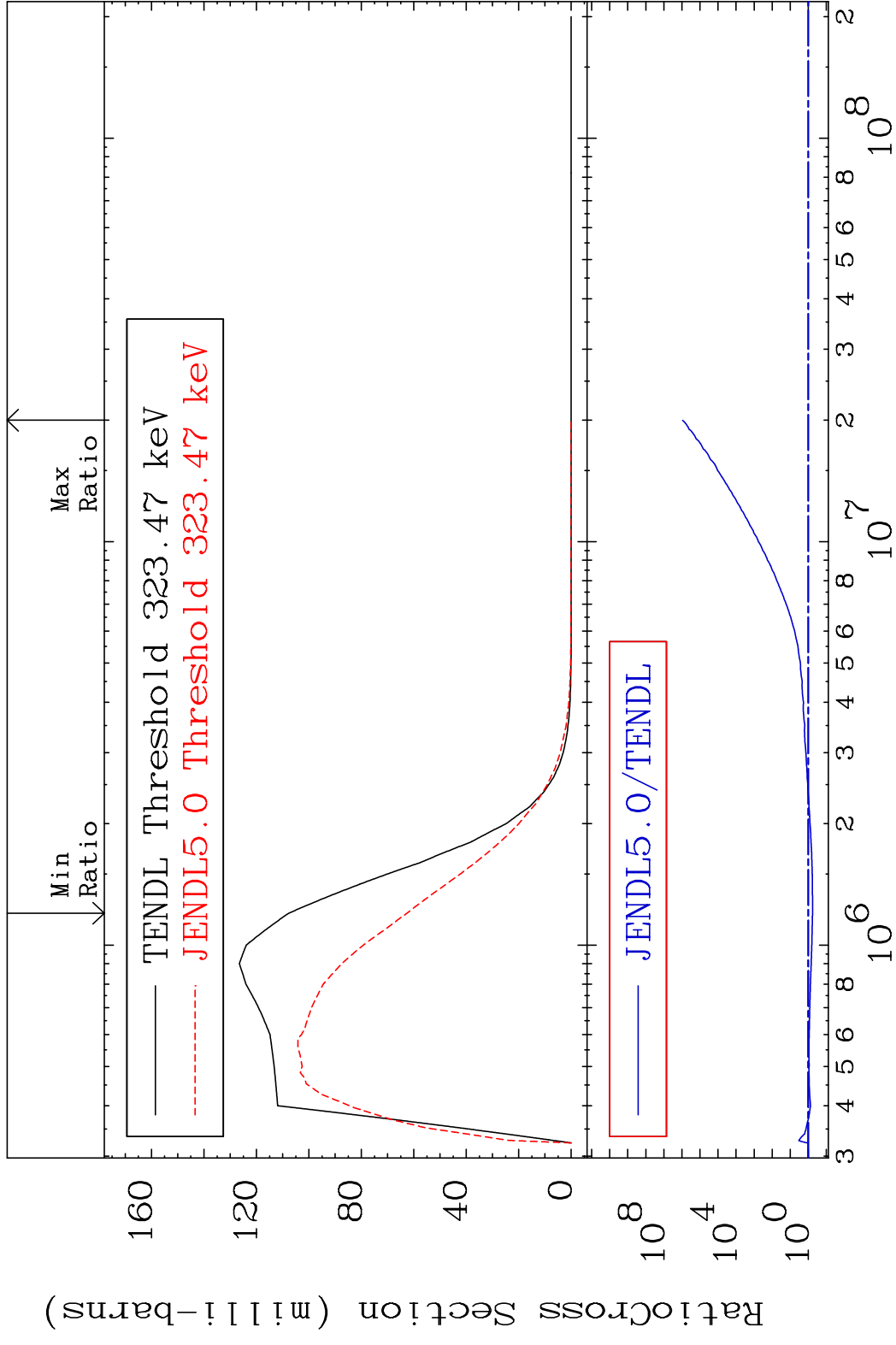
MAT 6434 MT= 63 (n,n') Level 64-Gd-155
 Cross Section -57.15 To 9999. %



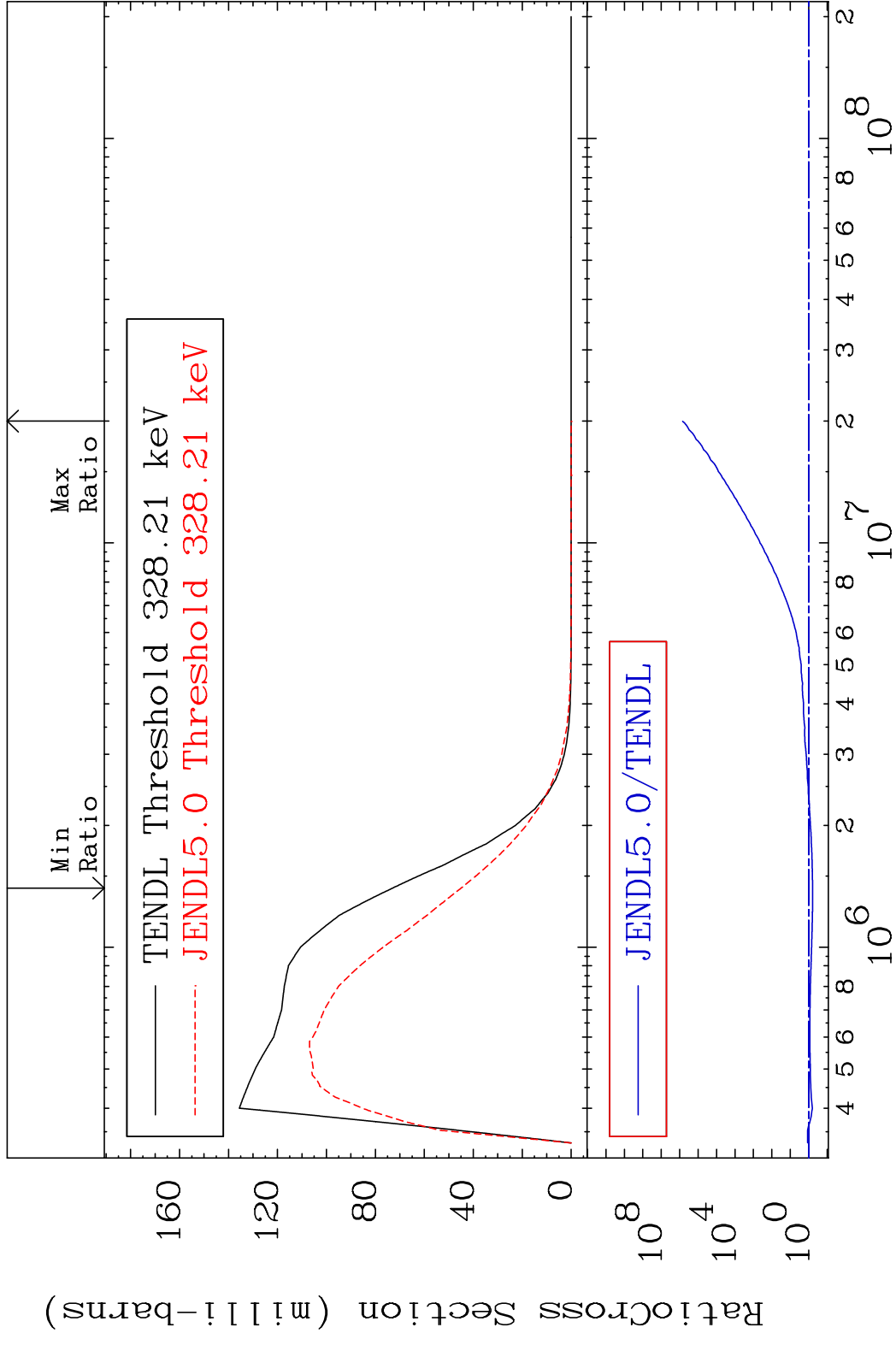
MAT 6434 MT= 64 (n, n') Level 64-Gd-155
 Cross Section -100.0 To 9999. %



MAT 6434 MT= 65 (n,n') Level 64-Gd-155
 Cross Section -41.87 To 9999. %

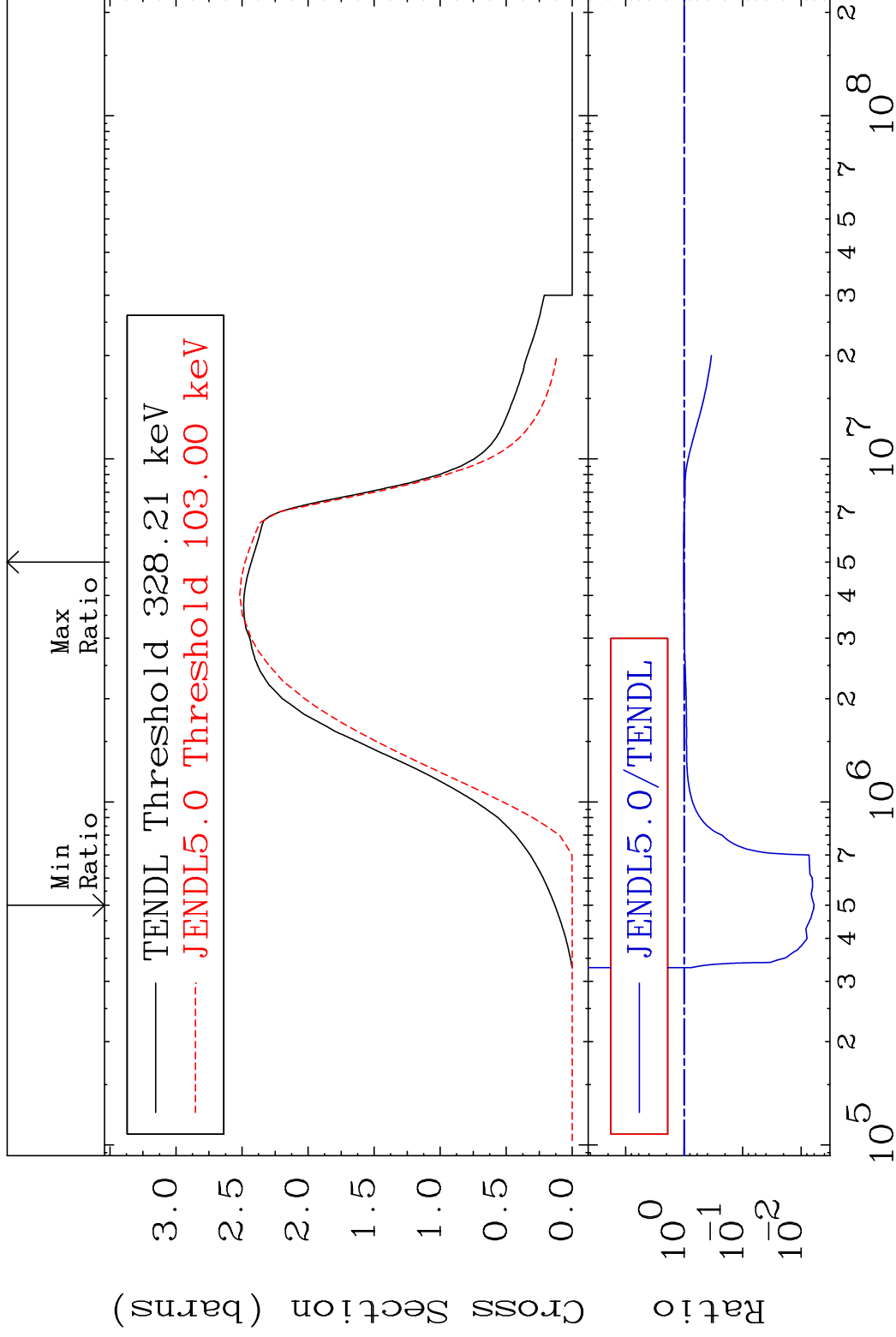


MAT 6434 MT= 66 (n, n') Level 64-Gd-155
 Cross Section -38.39 To 9999. %



MAT 6434

(n, n') Continuum 64-Gd-155
Cross Section -99.40 To 1.961 %



27

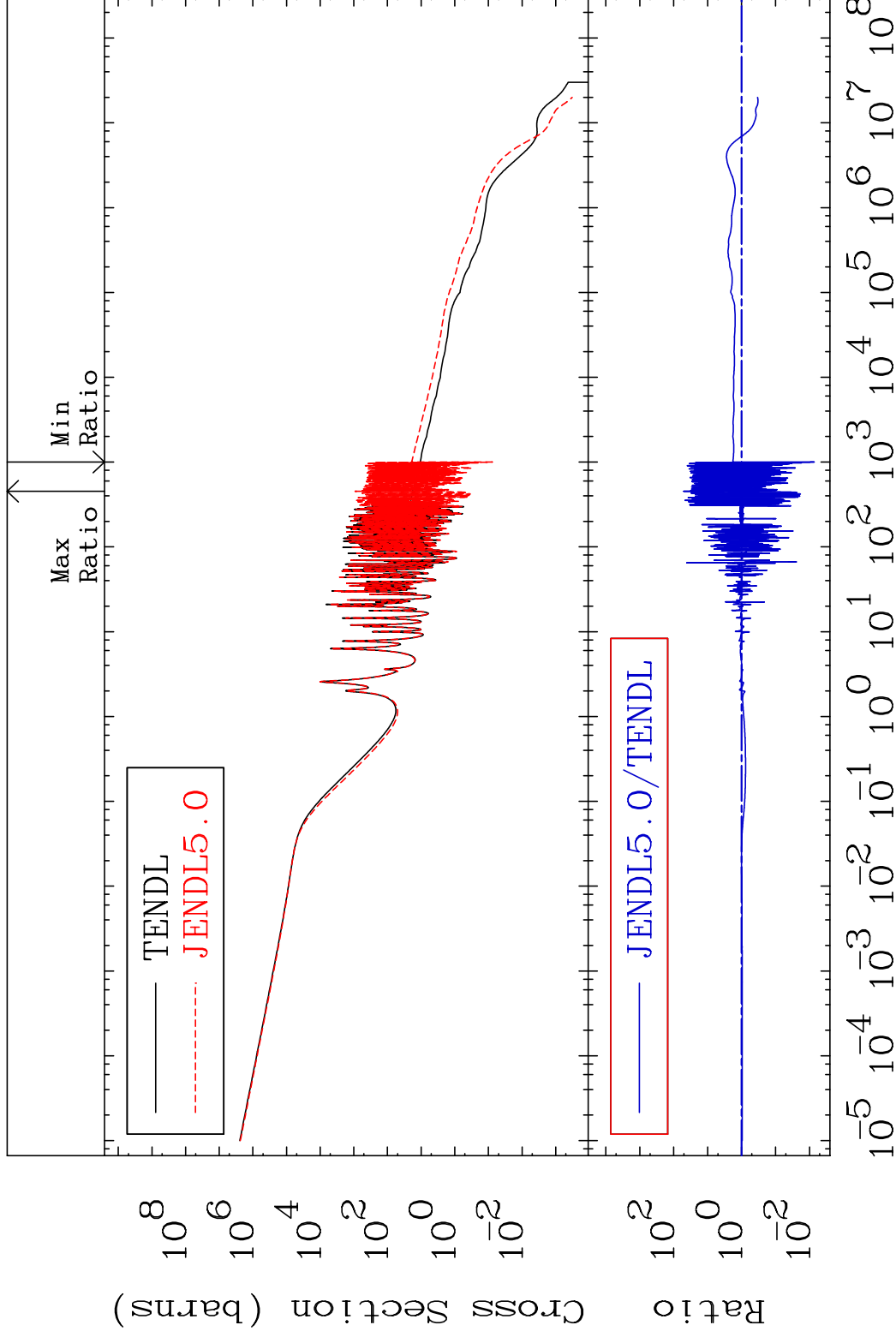
Incident Energy (eV)

64-Gd-155

MAT 6434

(n, γ)
Cross Section -99.27 To 4997. %

64-Gd-155



28

Incident Energy (eV)

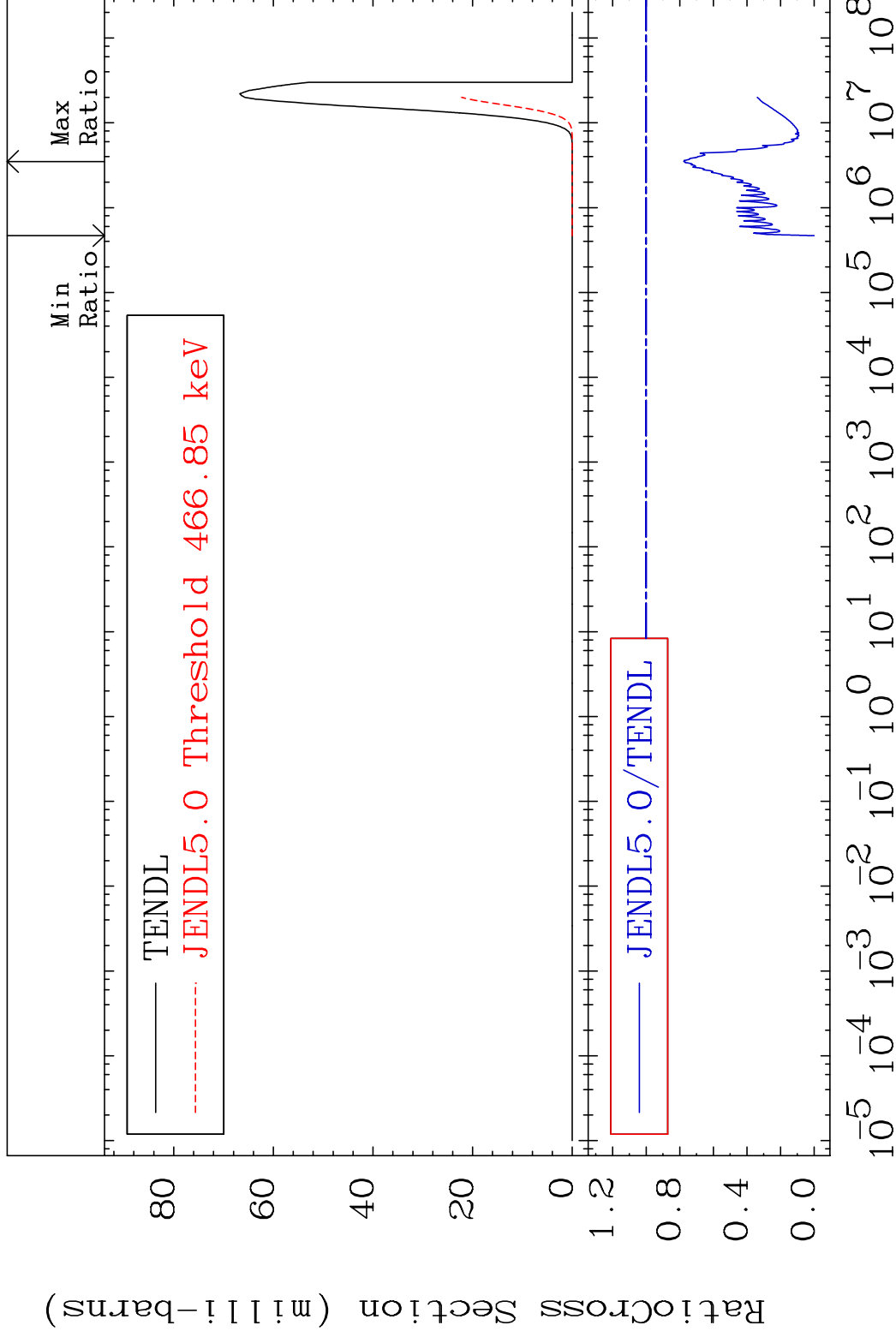
64-Gd-155

MAT 6434

(n, p)

64-Gd-155

Cross Section -100.0 To -22.34%



29

Incident Energy (eV)

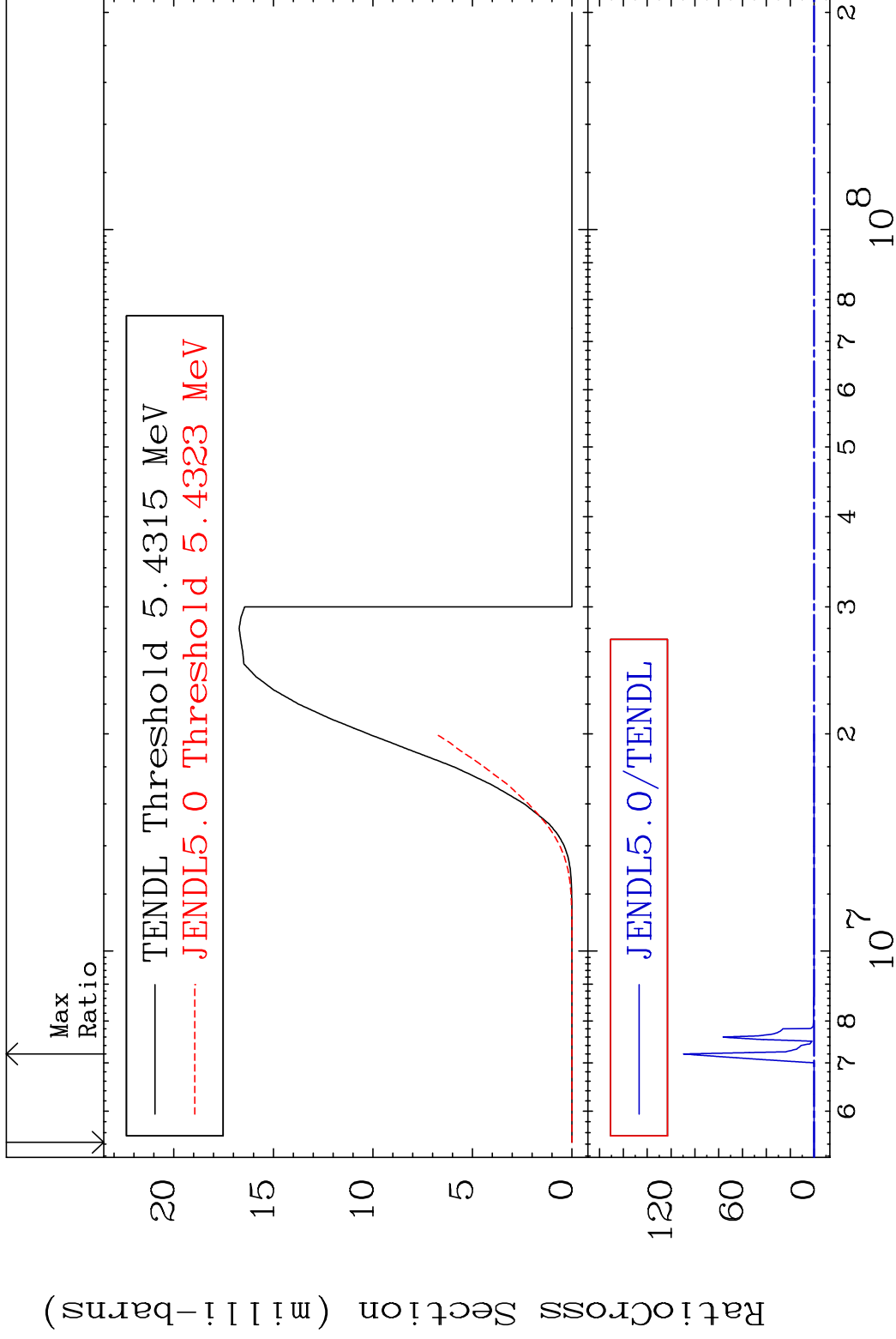
64-Gd-155

MAT 6434

(n,d)

64-Gd-155

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

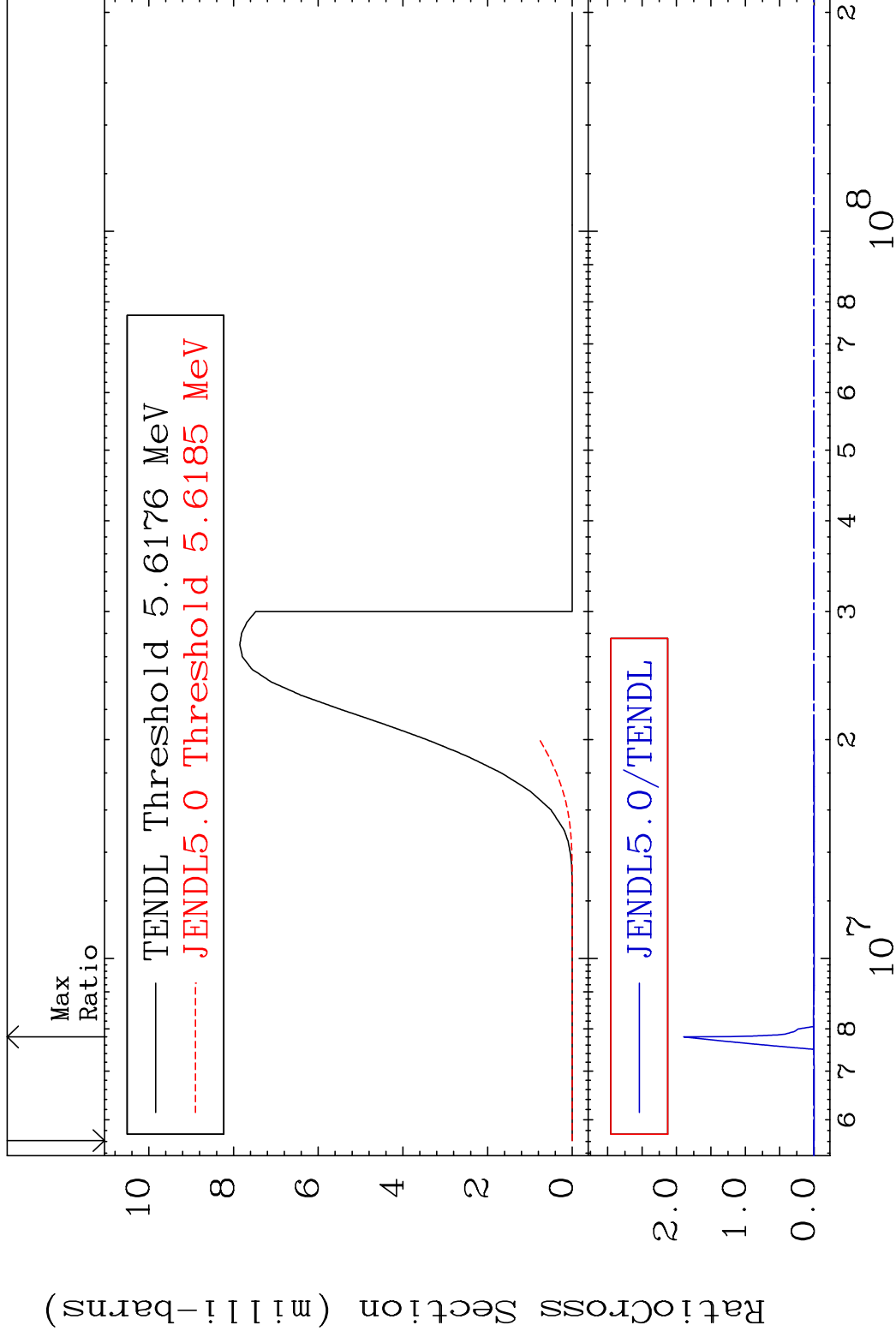
64-Gd-155

MAT 6434

(n, t)

64-Gd-155

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

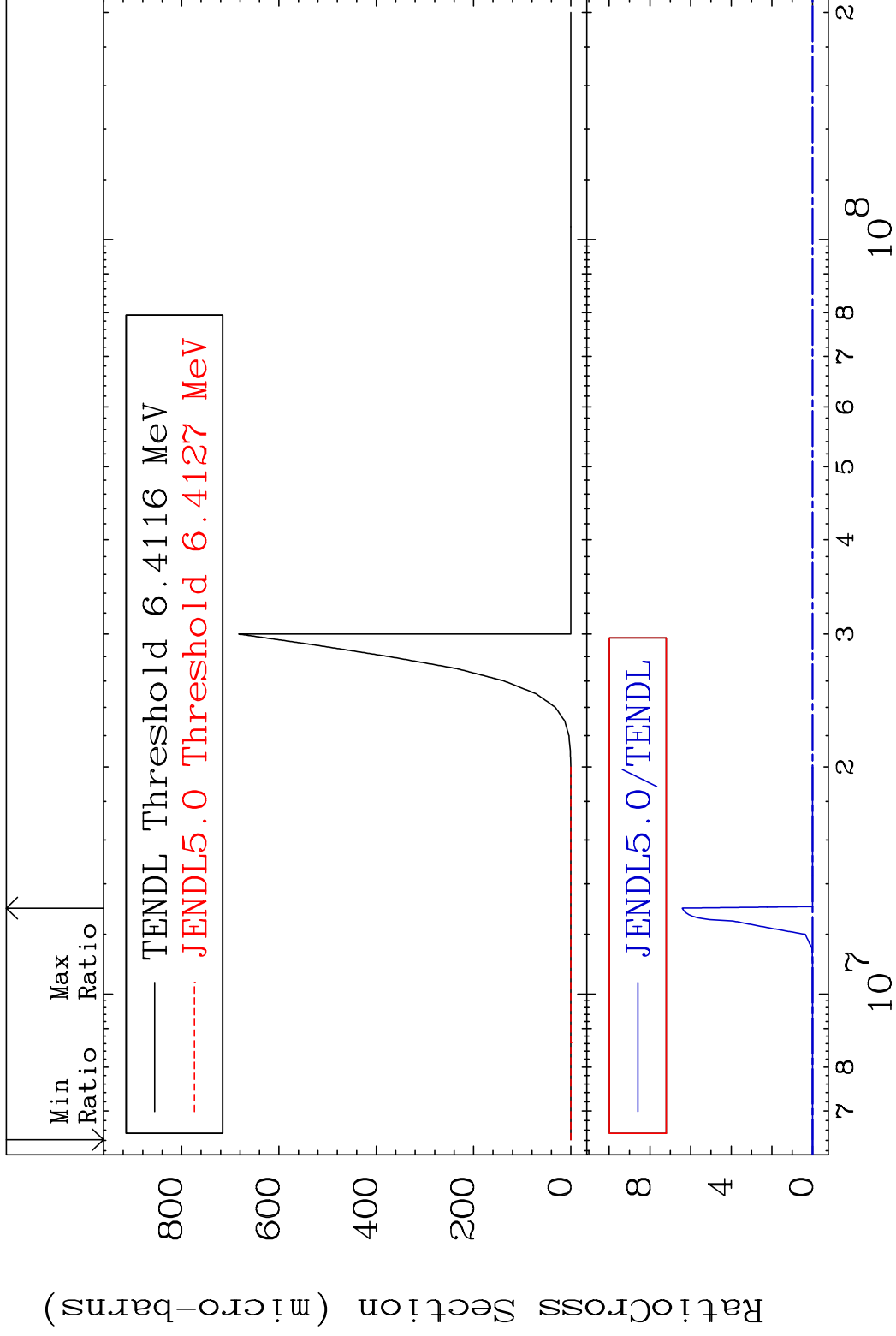
64-Gd-155

MAT 6434

(n, He-3)

64-Gd-155

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

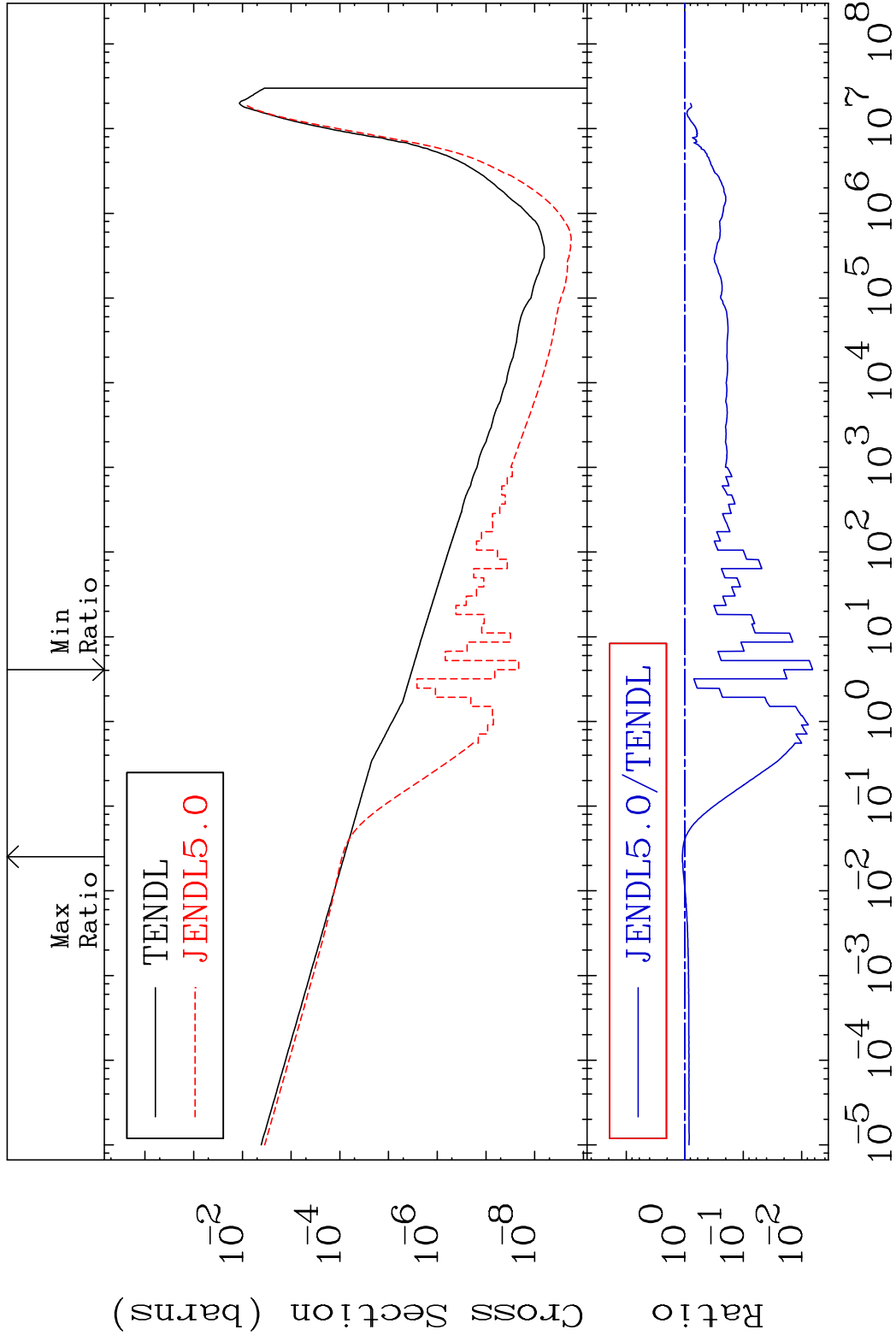
64-Gd-155

MAT 6434

(n, α)

64-Gd-155

Cross Section -99.35 To 9.969 %



33

Incident Energy (eV)

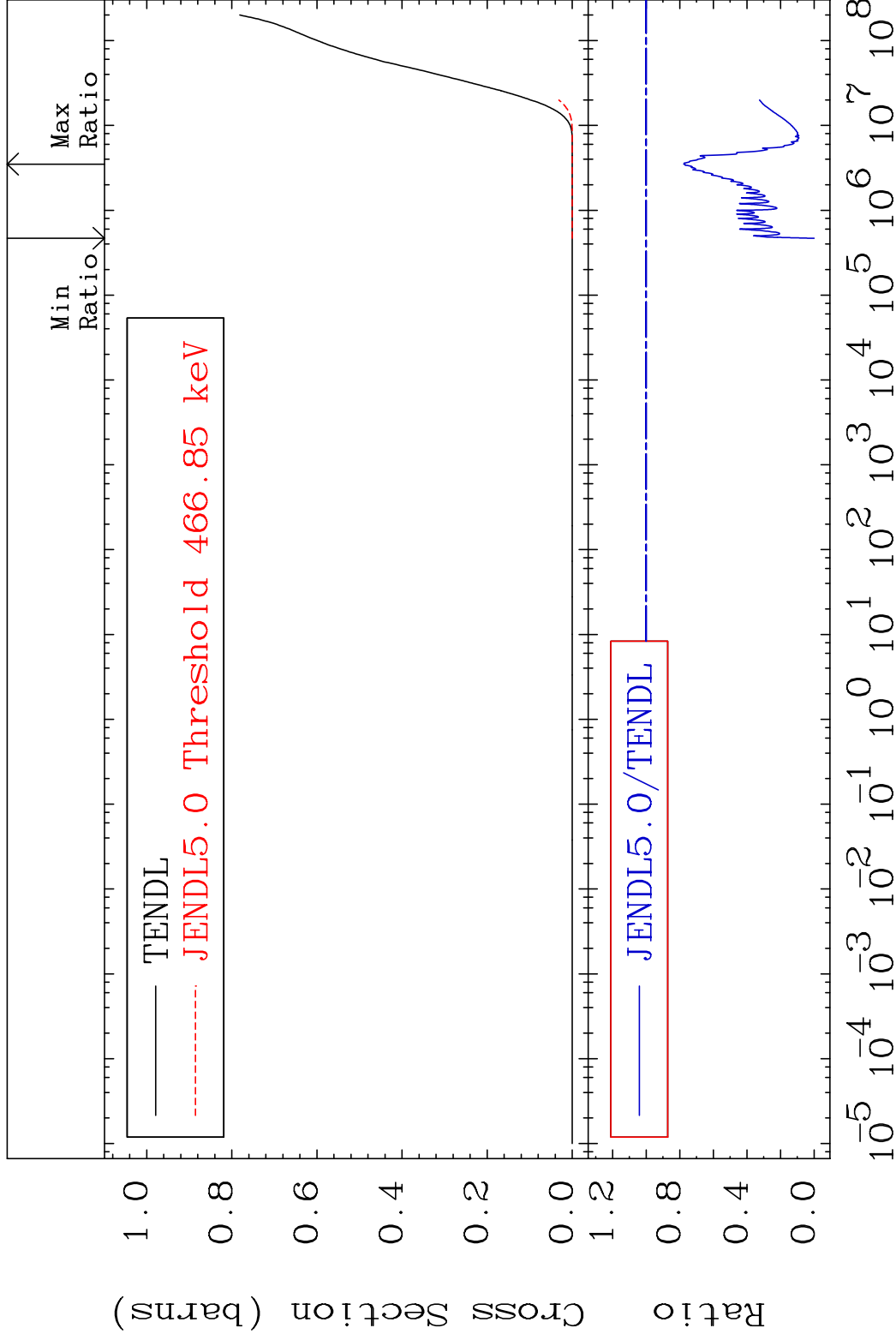
64-Gd-155

MAT 6434

Hydrogen Production

64-Gd-155

Cross Section -100.0 To -22.34%

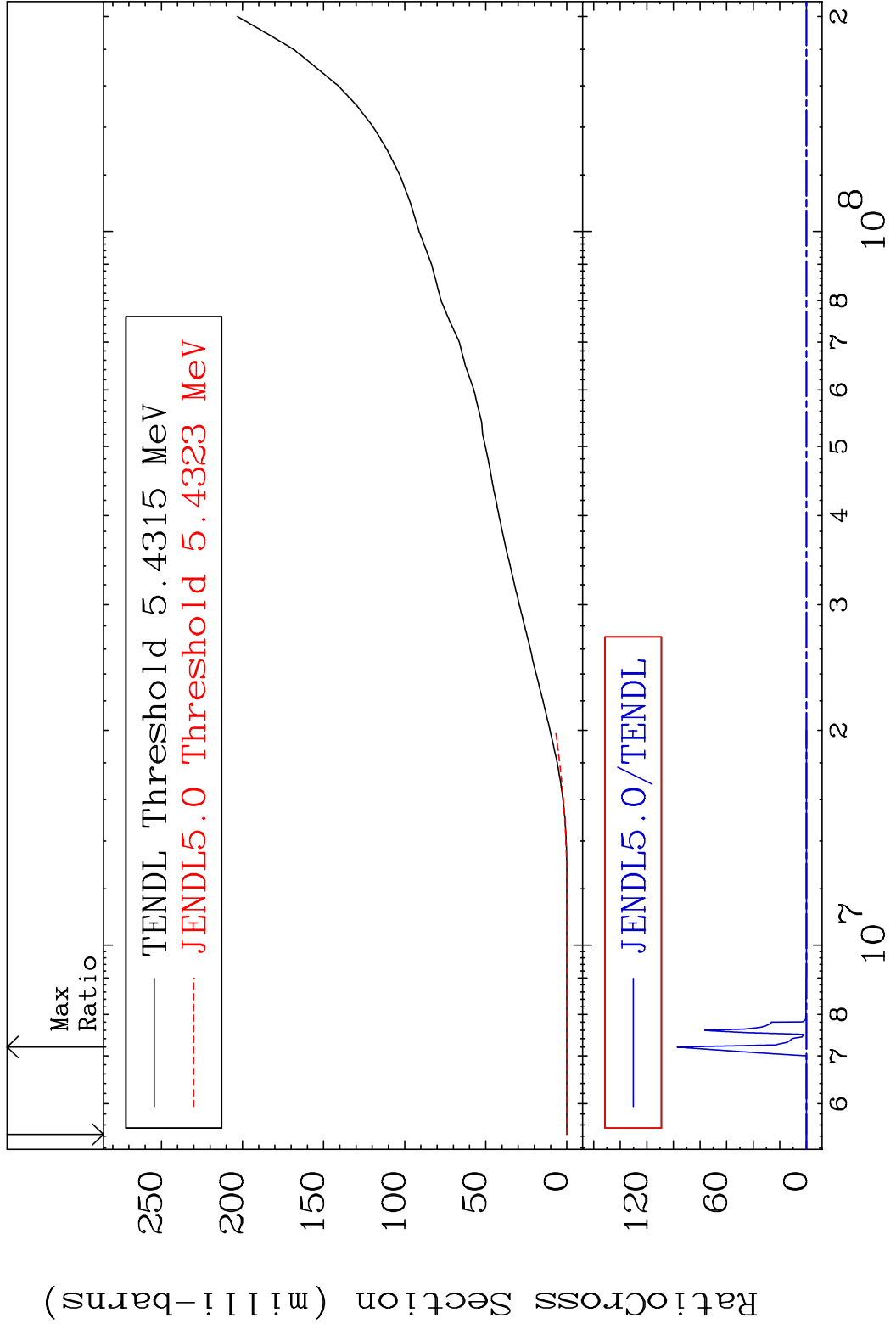


34

Incident Energy (eV)

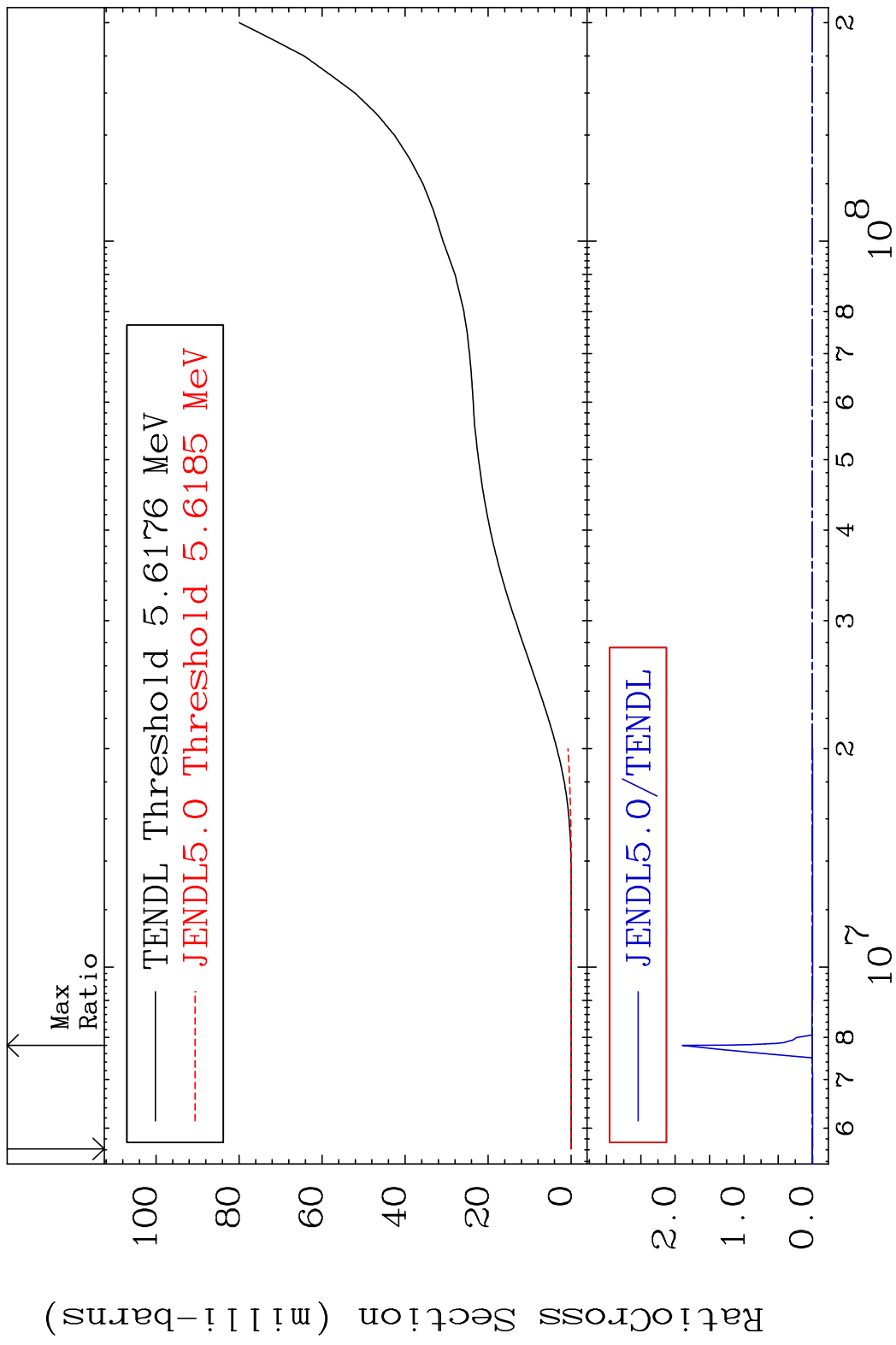
64-Gd-155

MAT 6434 Deuterium Production 64-Gd-155
 Cross Section -100.0 To 9999. %



35 Incident Energy (eV) 64-Gd-155

MAT 6434 Tritium Production 64-Gd-155
 Cross Section -100.0 To 9999. %

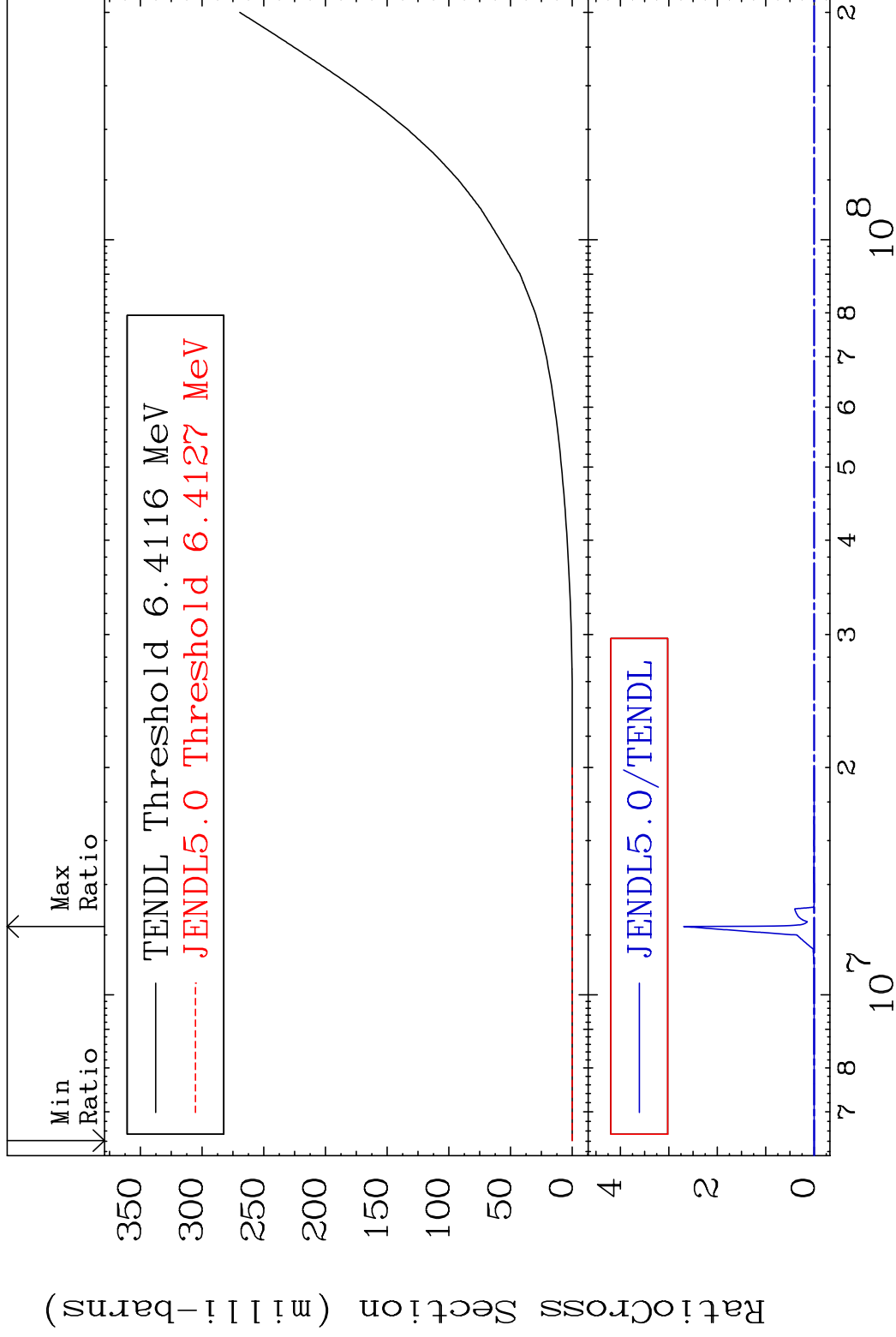


MAT 6434

He-3 Production

64-Gd-155

Cross Section -100.0 To 9999. %



37

Incident Energy (eV)

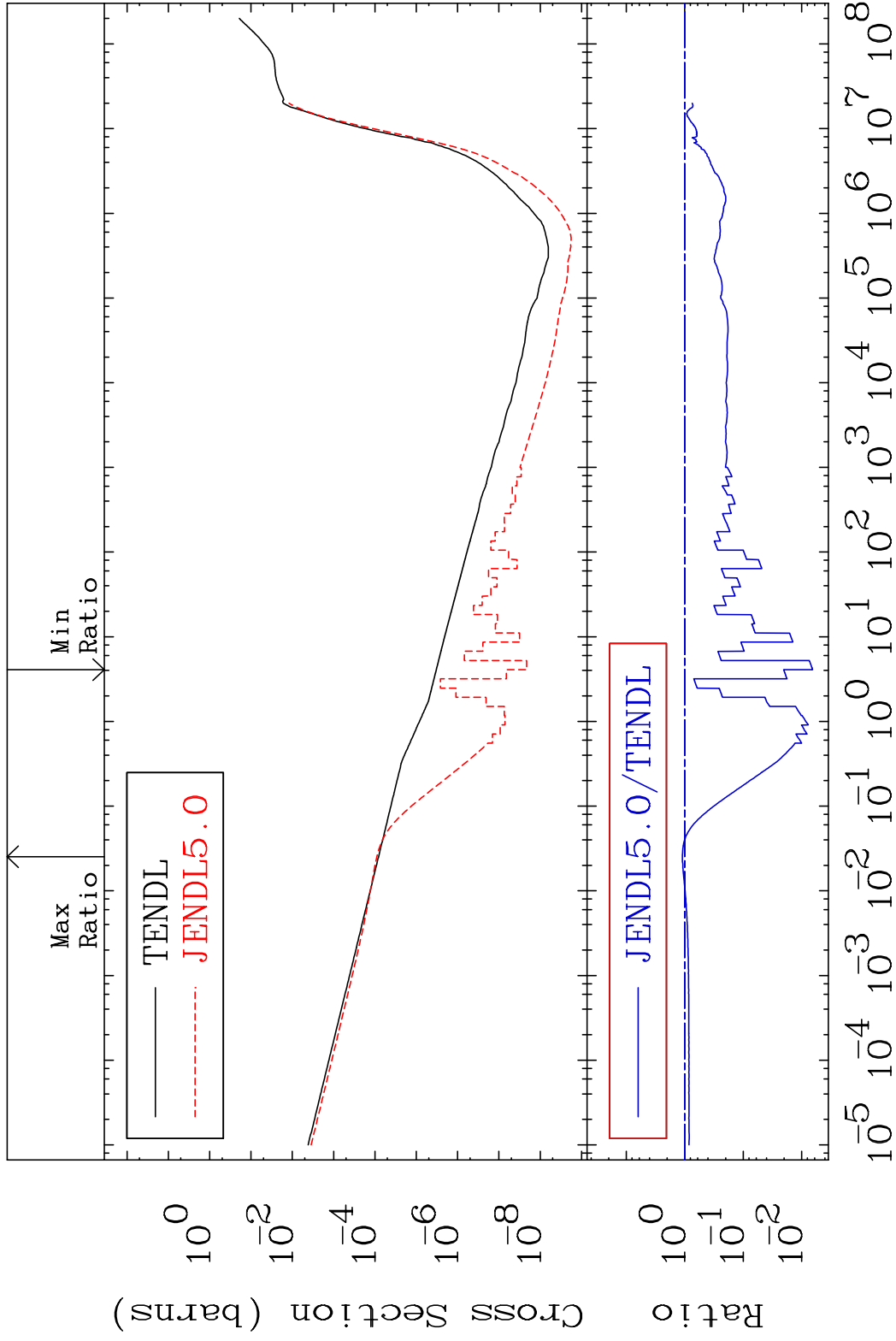
64-Gd-155

MAT 6434

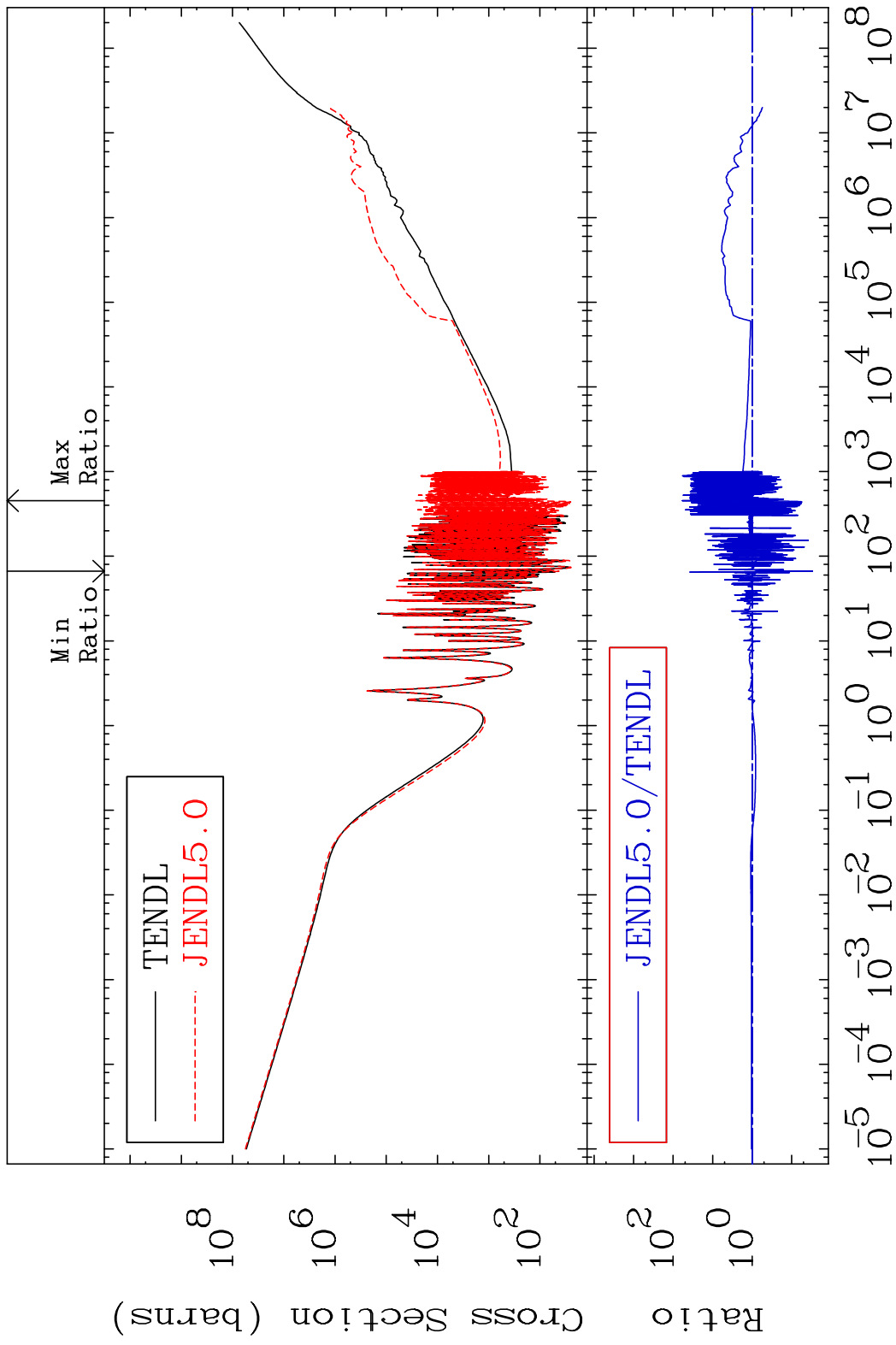
He-4 Production

64-Gd-155

Cross Section -99.35 To 9.969 %



MAT 6434 Kerma total (eV-barns) 64-Gd-155
 Cross Section -97.05 To 5738. %

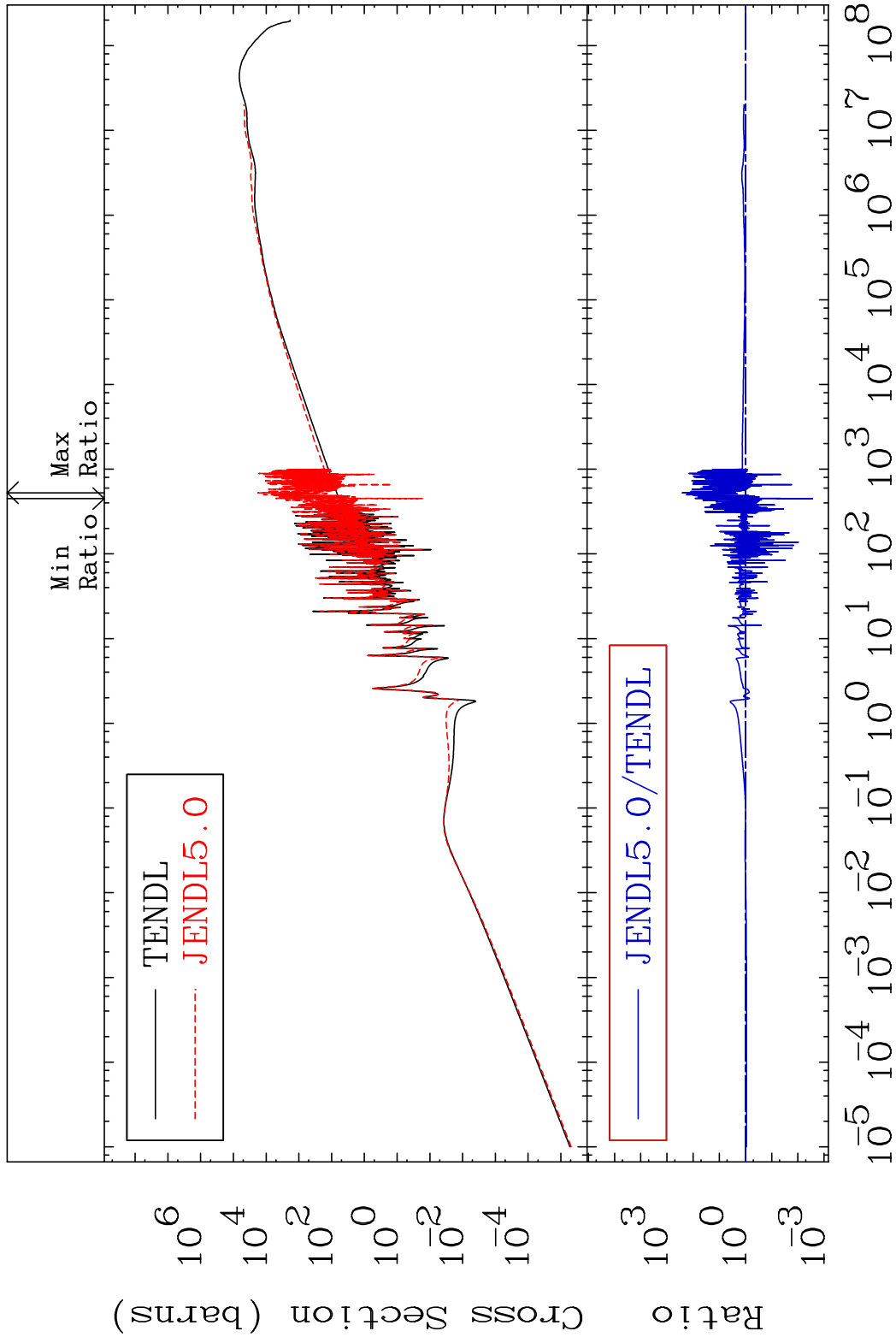


MAT 6434

Kerma elastic

64-Gd-155

Cross Section -99.73 To 9999. %

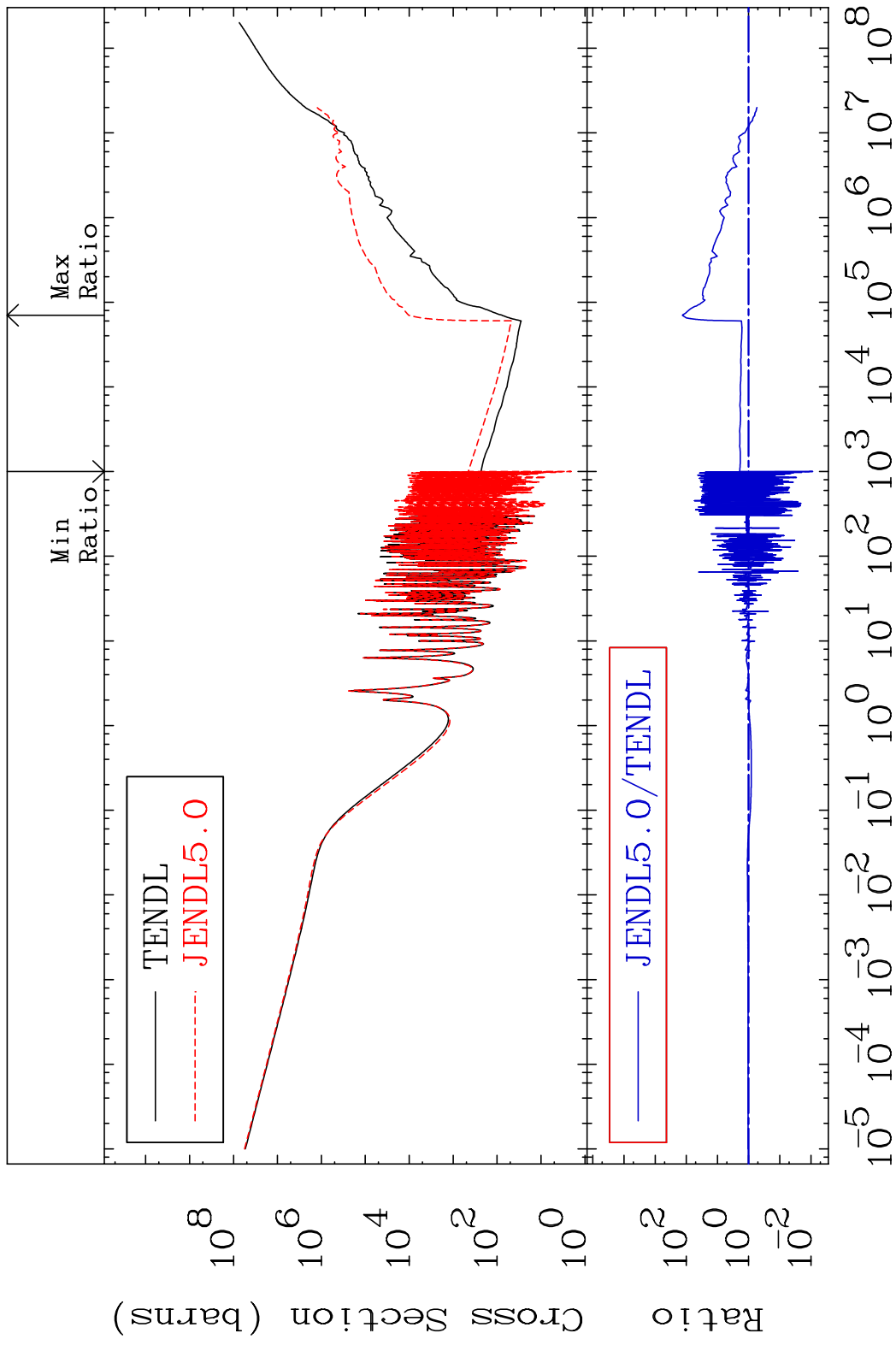


40

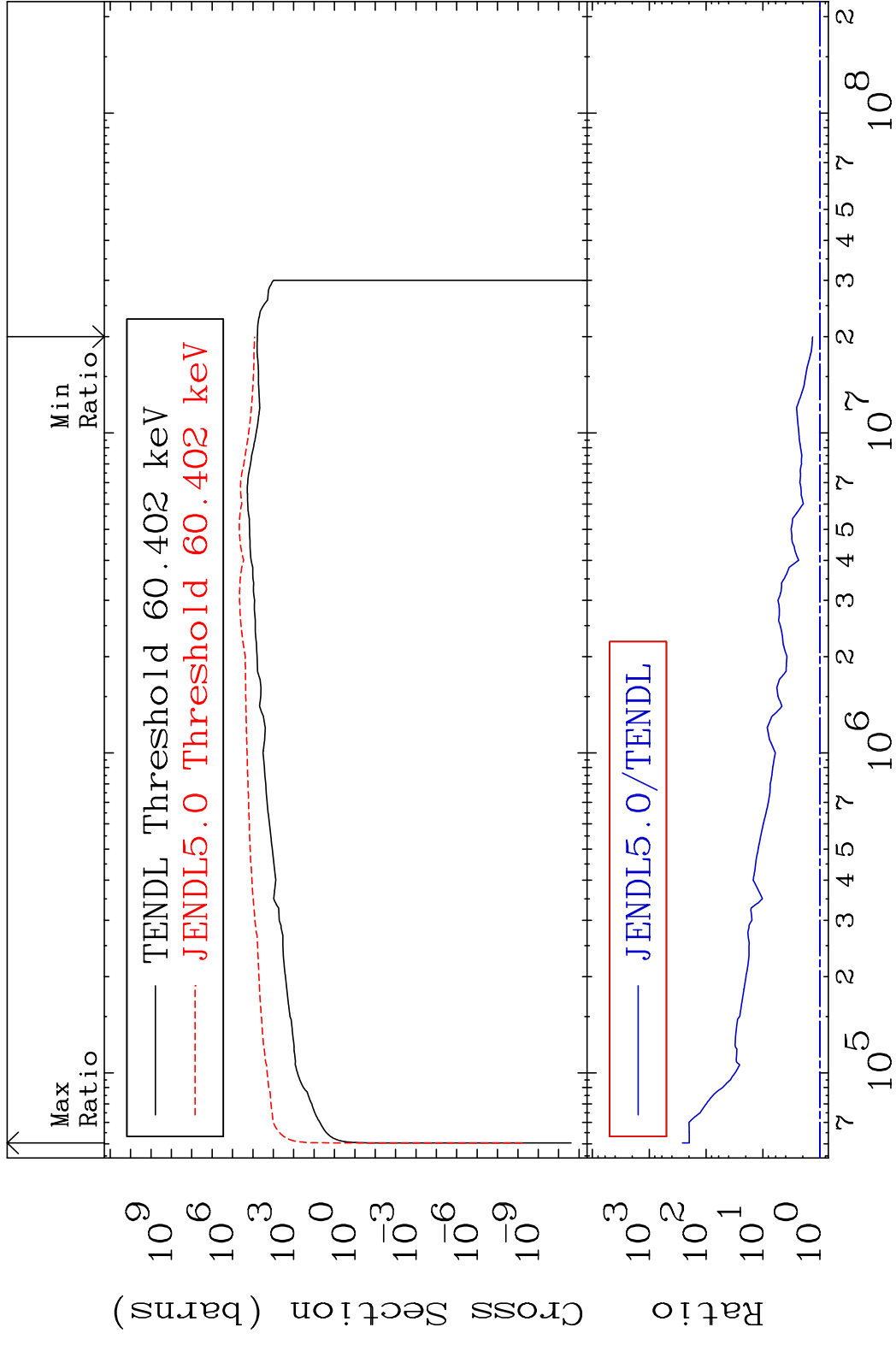
Incident Energy (eV)

64-Gd-155

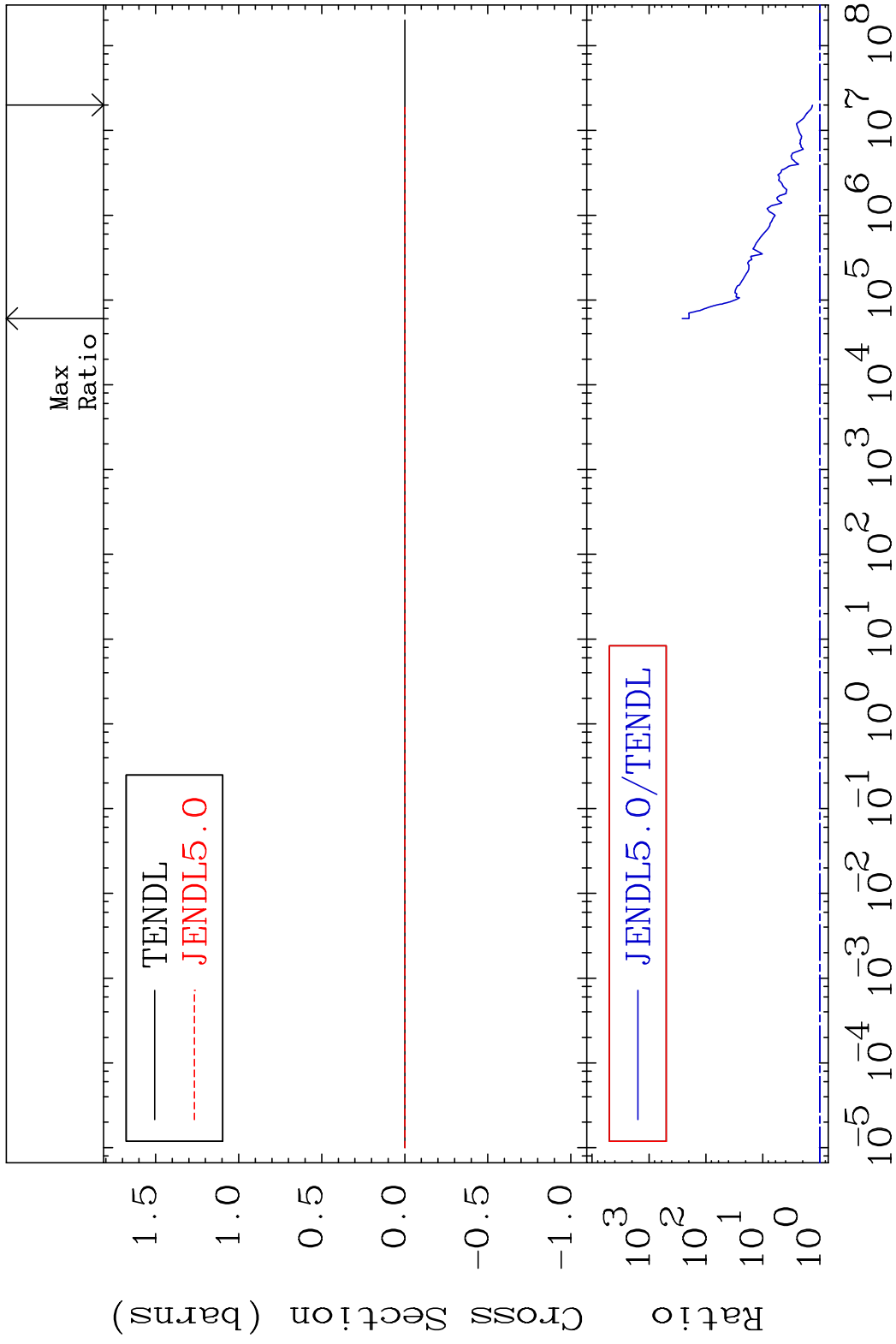
MAT 6434 Kerma non-elastic (all but mt2) 64-Gd-155
 Cross Section -99.12 To 9999. %



MAT 6434 Kerma inelastic (mt51-91) 64-Gd-155
 Cross Section 34.17 To 9999. %

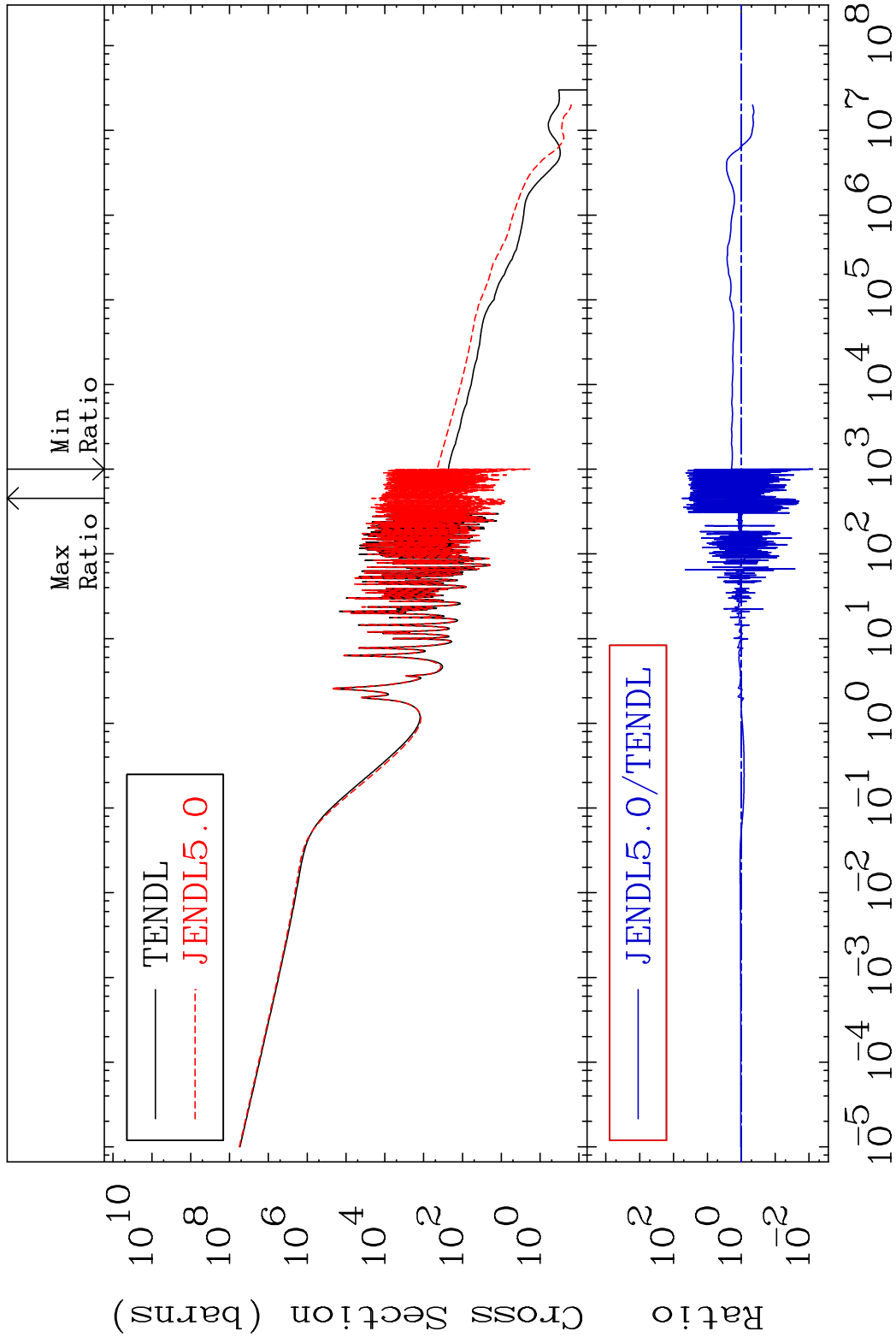


MAT 6434 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-155
 Cross Section 34.17 To 9999. %



MAT 6434

Kerma capture (mt102) 64-Gd-155
Cross Section -99.21 To 5392. %



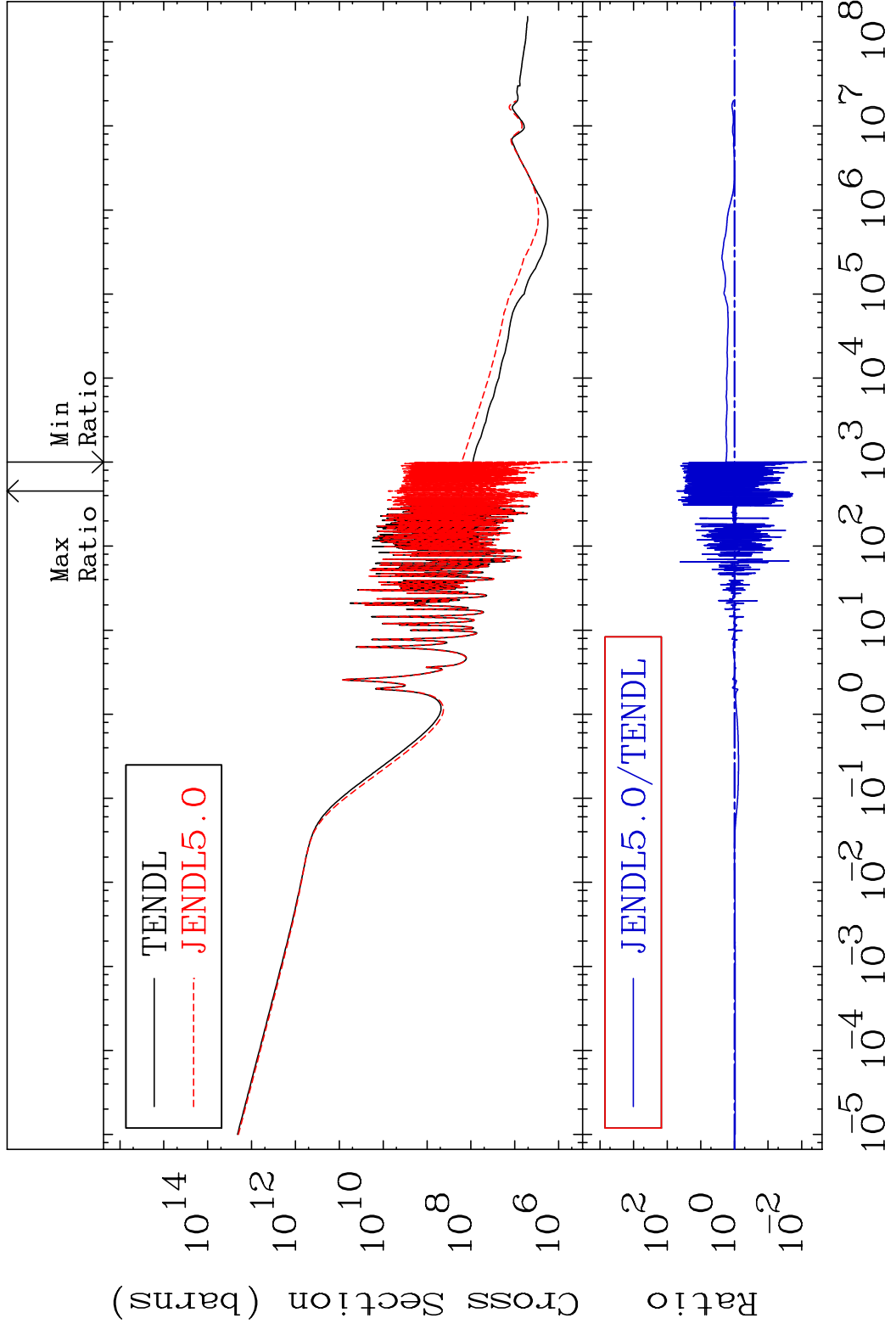
44

Incident Energy (eV)

64-Gd-155

MAT 6434

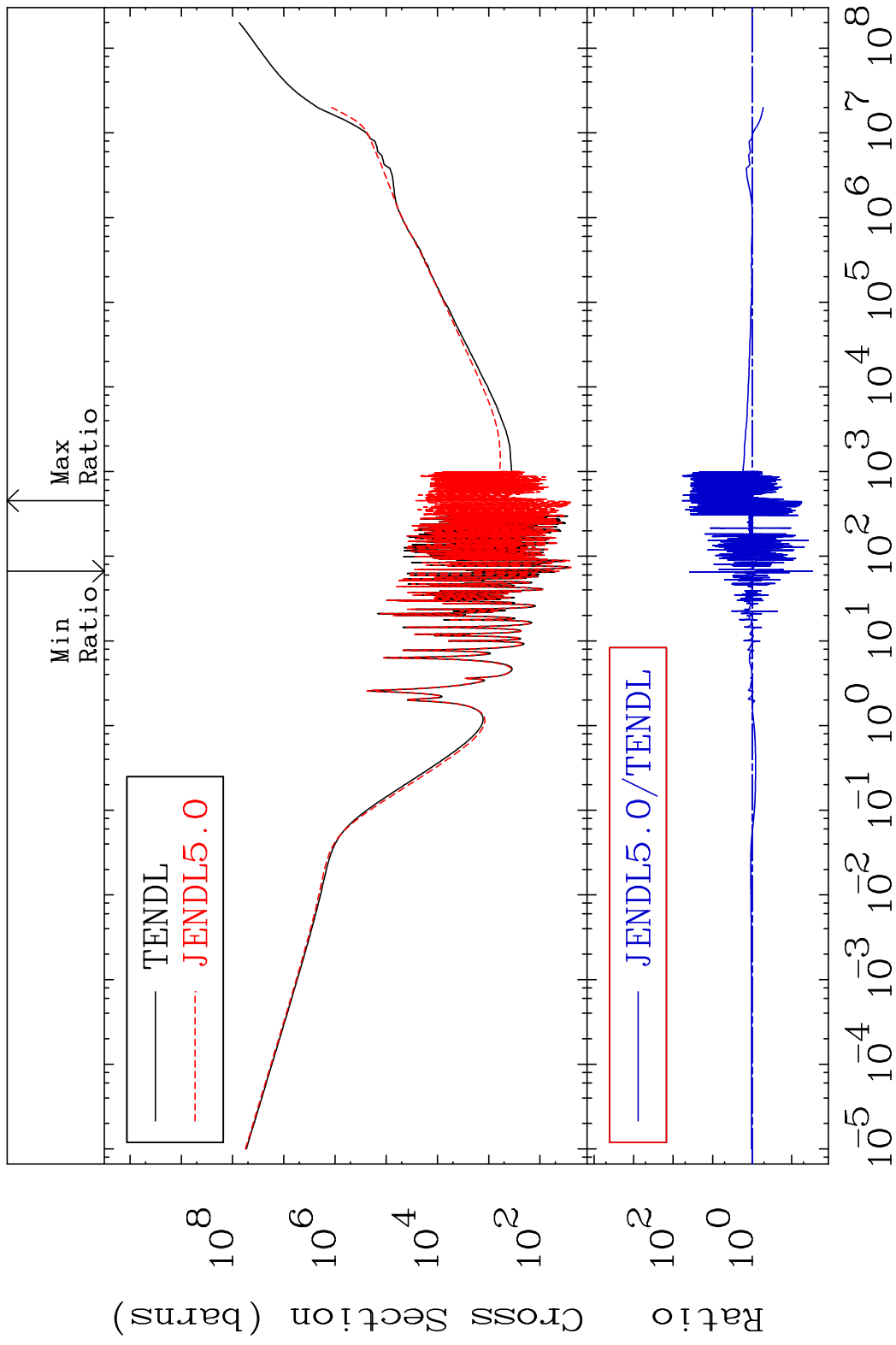
Total photon (eV-barns) 64-Gd-155
Cross Section -99.28 To 4945. %



45

Incident Energy (eV) 64-Gd-155

MAT 6434 Total kinematic kerma (high limit) 64-Gd-155
 Cross Section -97.05 To 5738. %

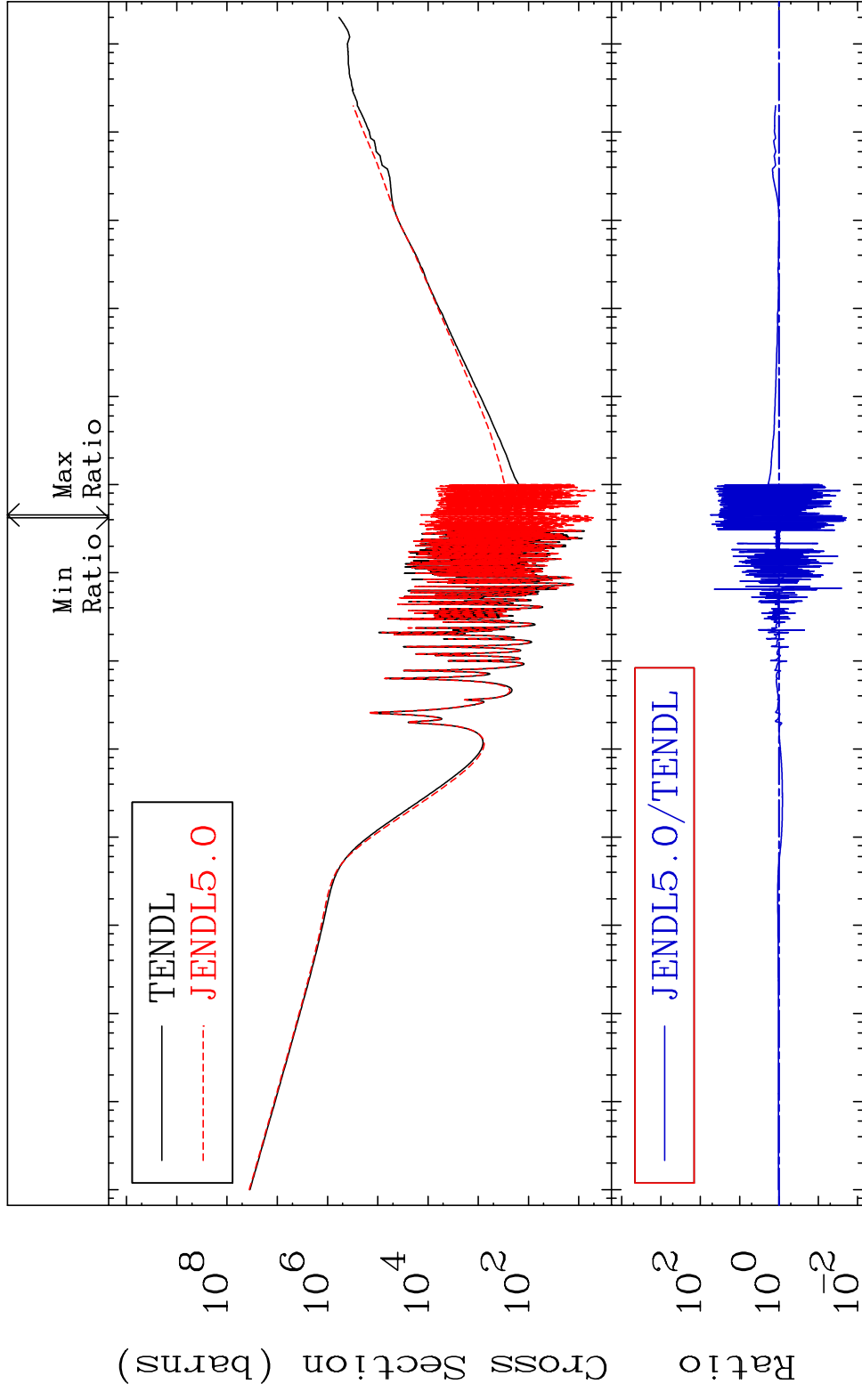


MAT 6434

Dpa total (eV-barns)

64-Gd-155

Cross Section -98.06 To 5341. %

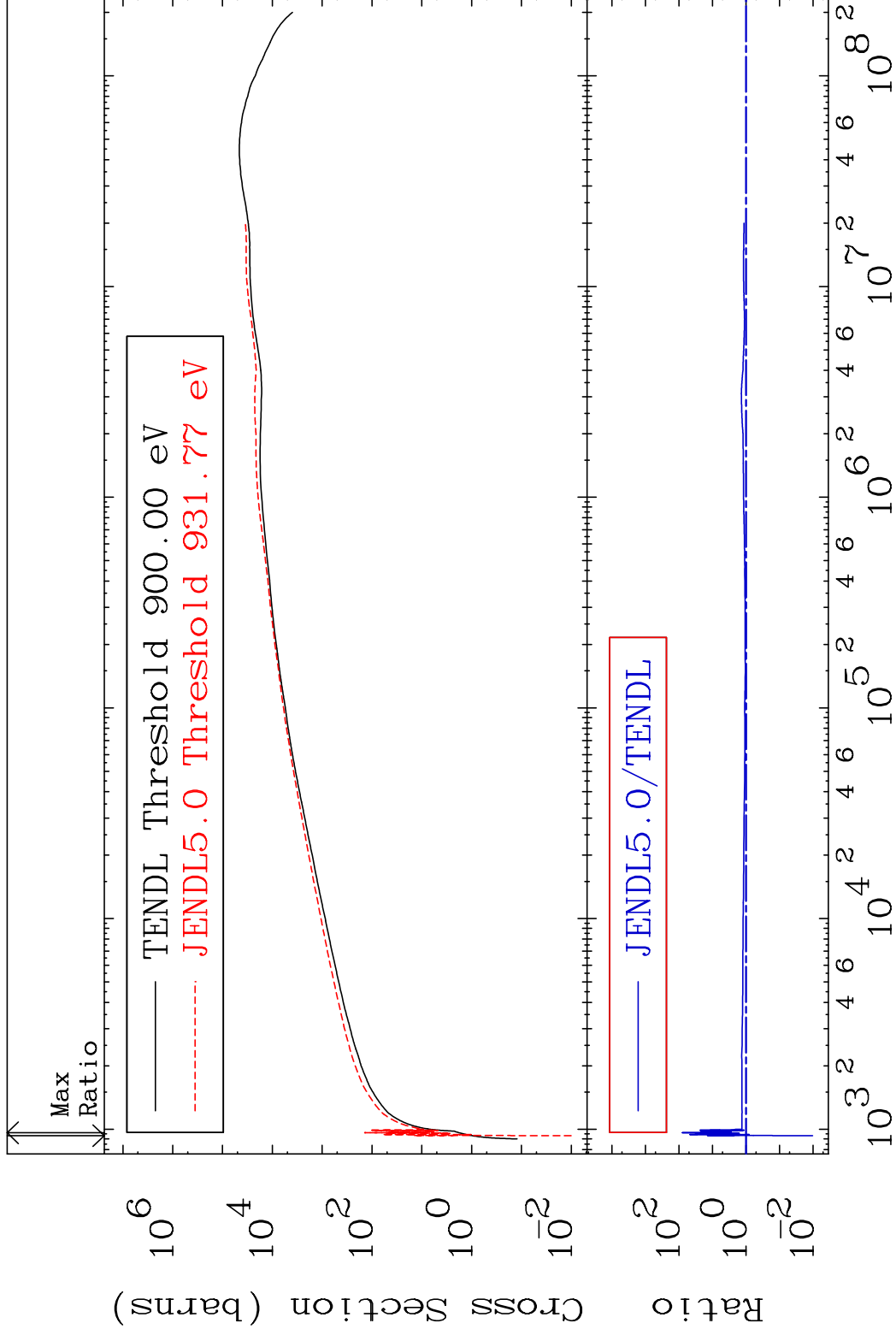


MAT 6434

Dpa elastic (mt2)

64-Gd-155

Cross Section -98.97 To 7826. %

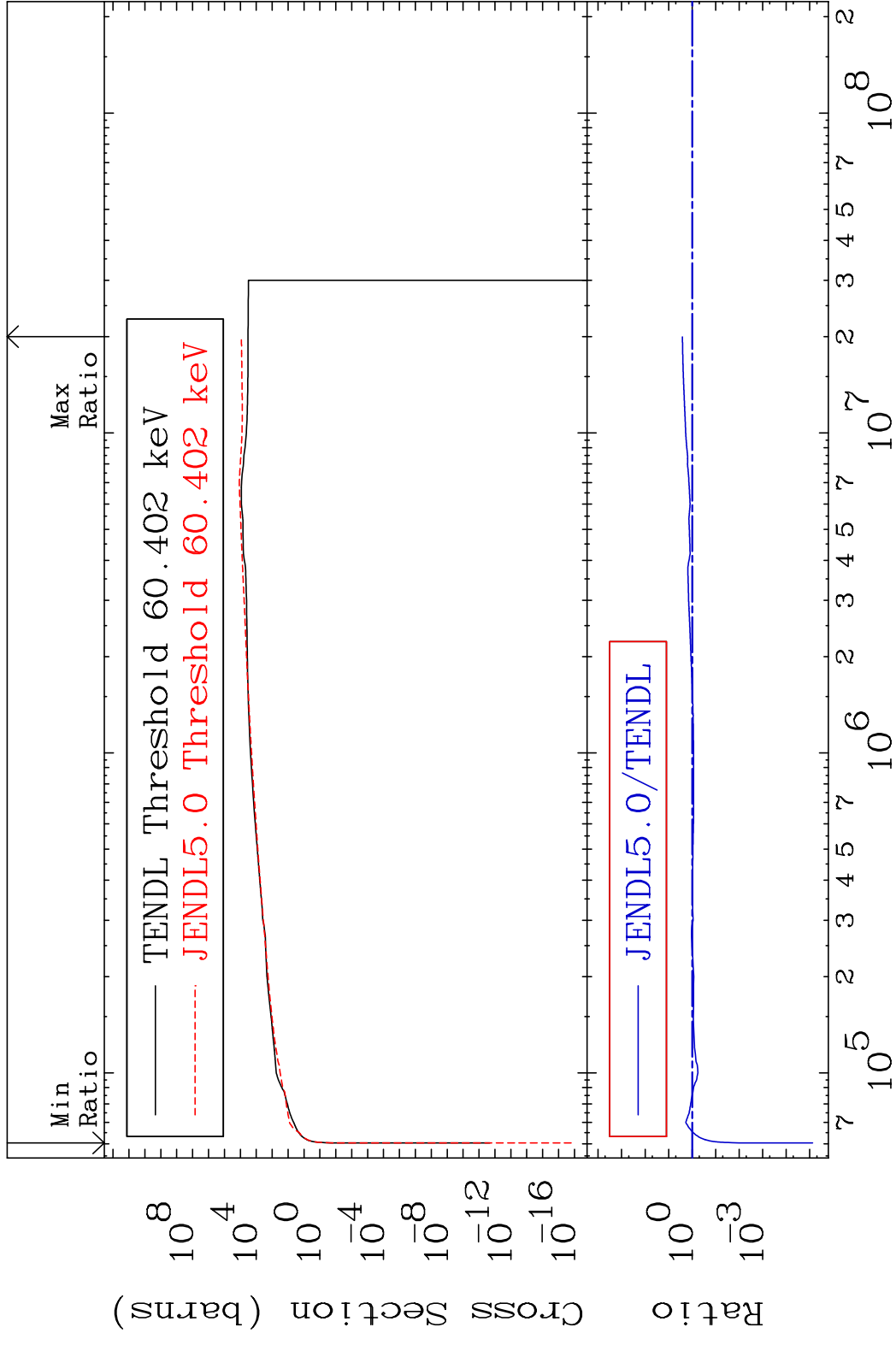


48

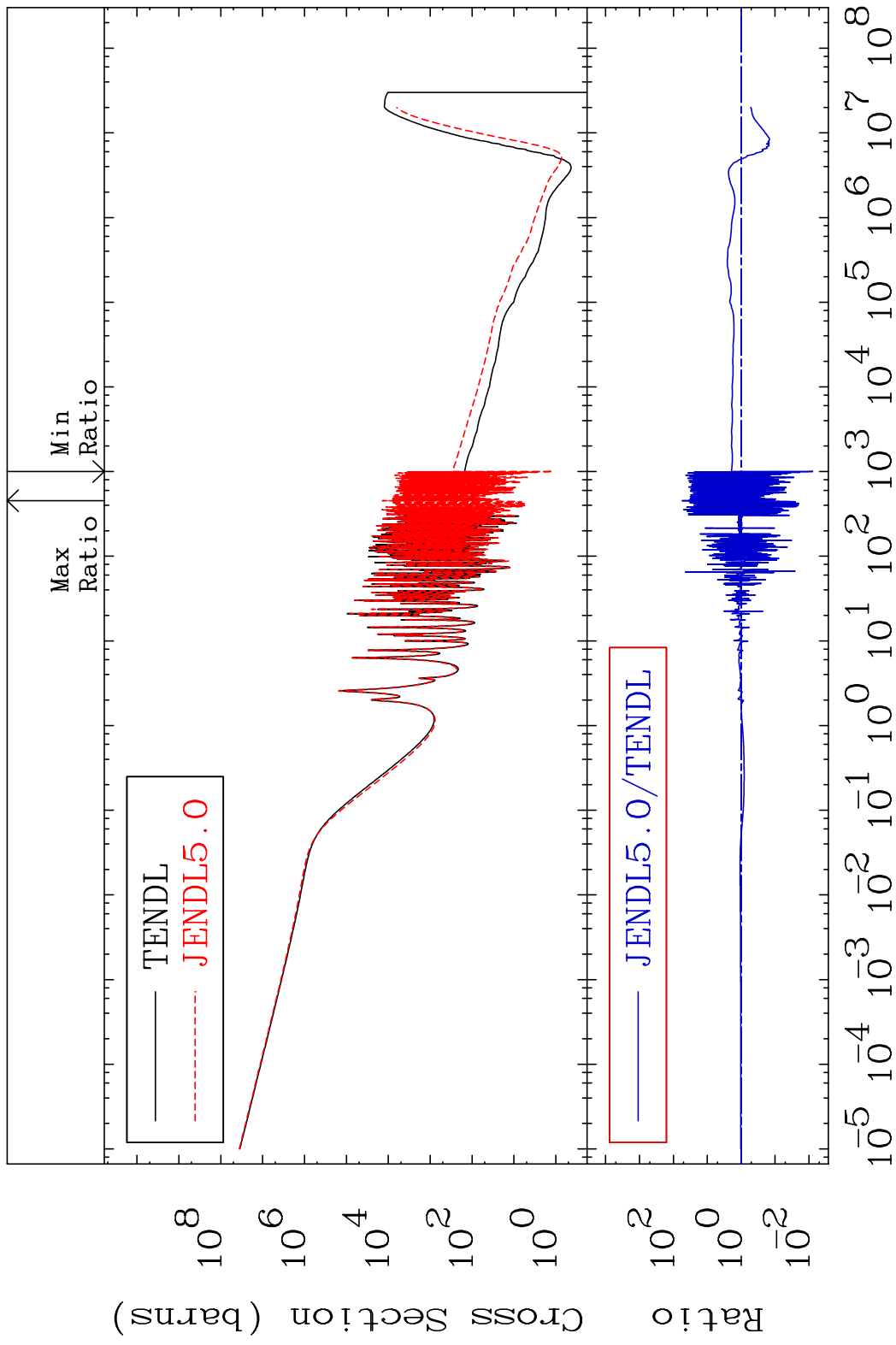
Incident Energy (eV)

64-Gd-155

MAT 6434 Dpa inelastic (mt51-91) 64-Gd-155
 Cross Section -100.0 To 161.2 %



MAT 6434 Dpa disappearance (mt102 -120) 64-Gd-155
 Cross Section -99.22 To 5341. %



MAT 6434 (n, n') p:63-Eu-154g 64-Gd-155
 Radionuclide Production Cross Section Ratio

