

Program Complot
(Version 2021-1)

by

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U.S.A.

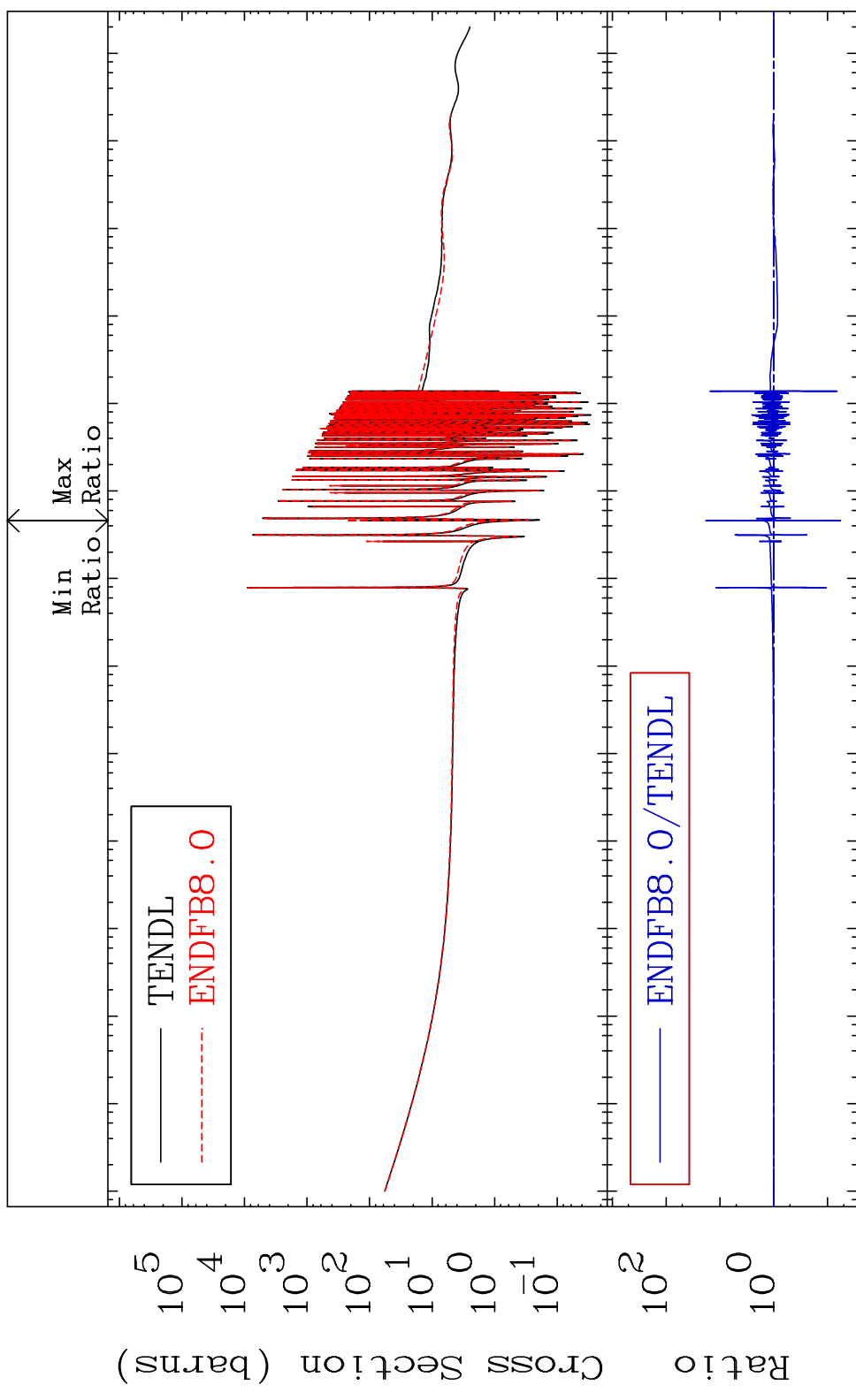
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6049

Total Cross Section
60-Nd-150
-94.22 To 1734. %



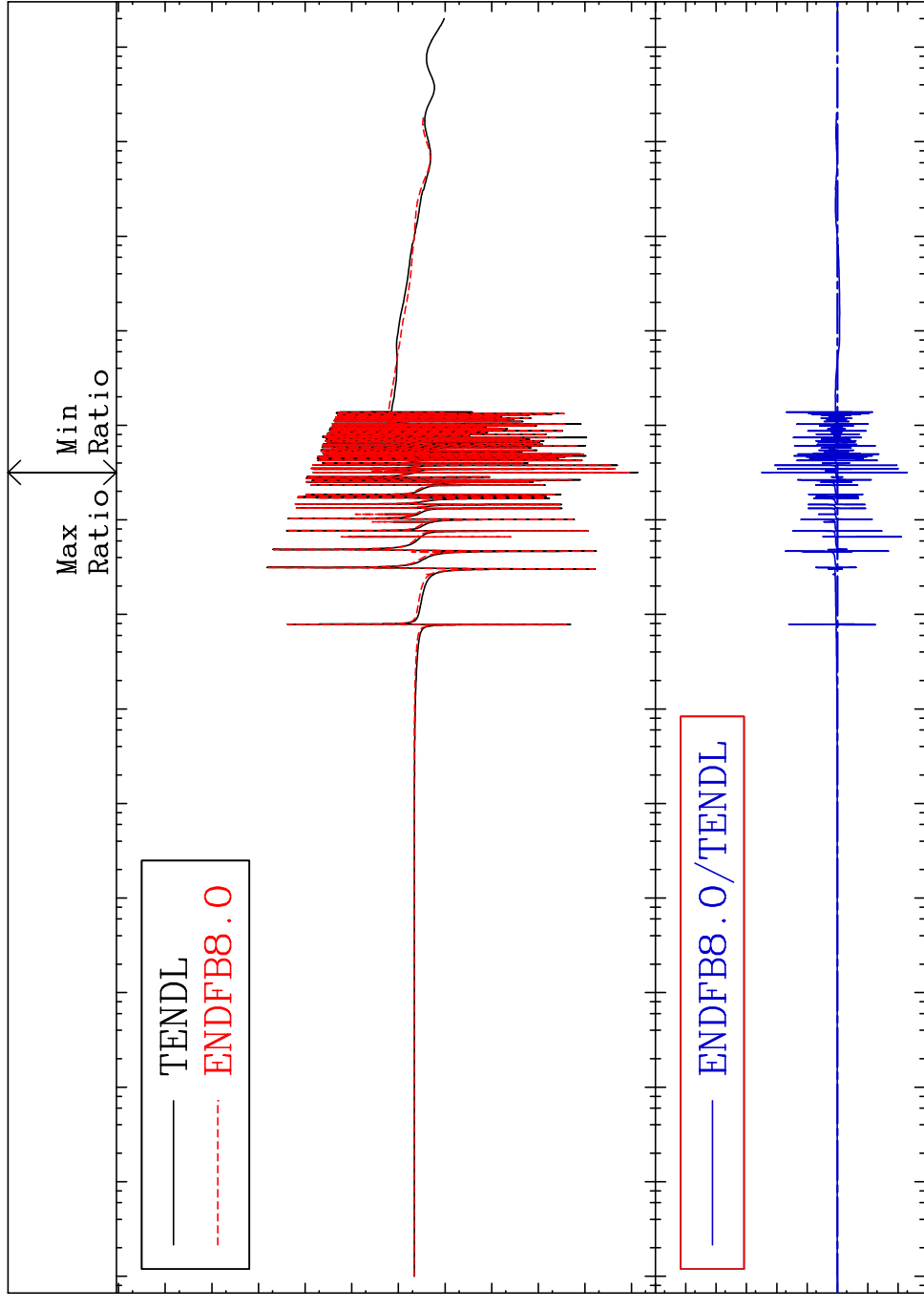
1 Incident Energy (eV) 60-Nd-150

MAT 6049

Elastic

60-Nd-150

Cross Section -99.50 To 9999. %



Cross Section (barns)

10^4
 10^2
 10^0
 10^{-2}
 10^{-4}

ENDFB8.0/TENDL

10^3
 10^0

Ratio

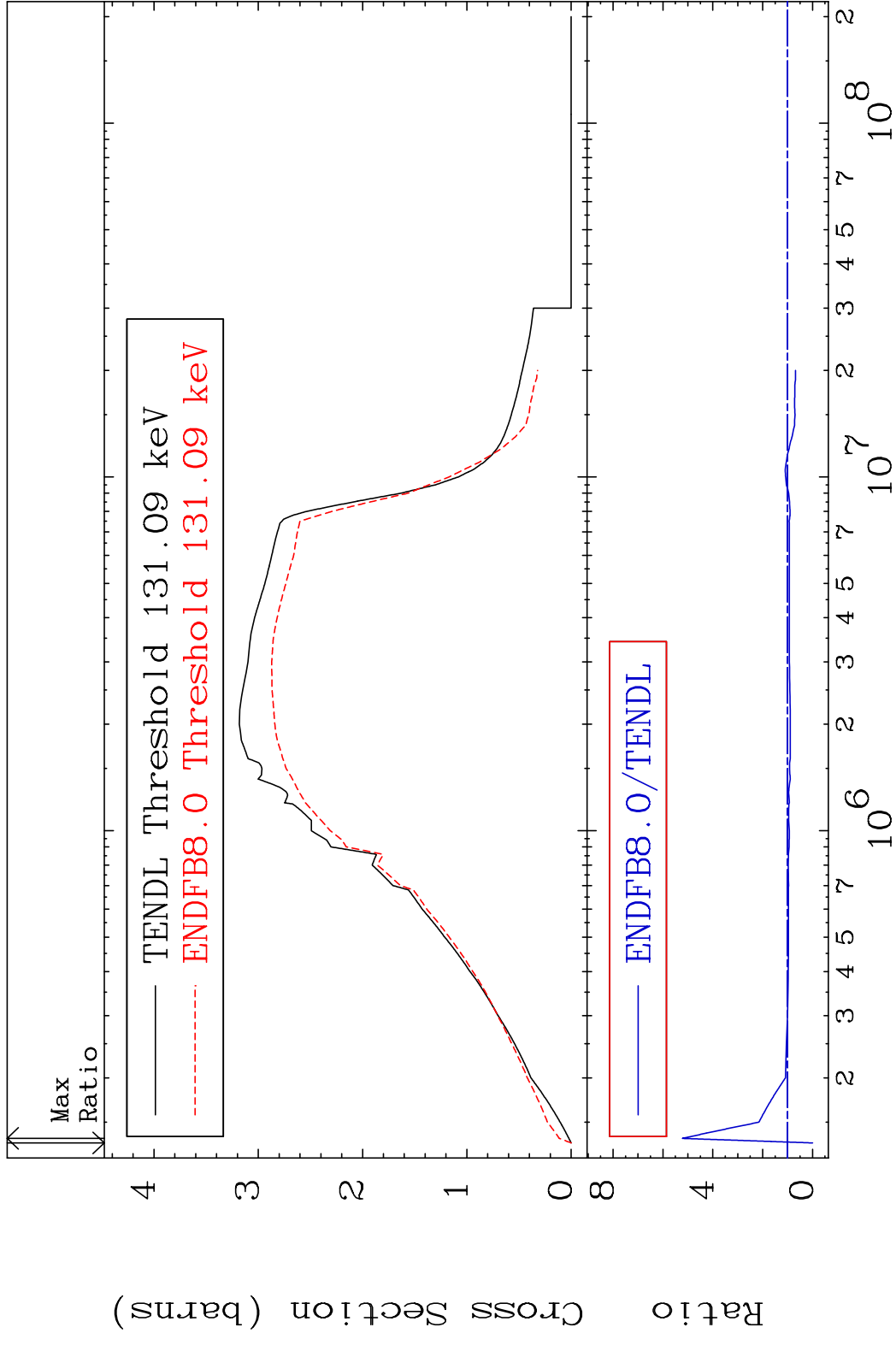
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

2

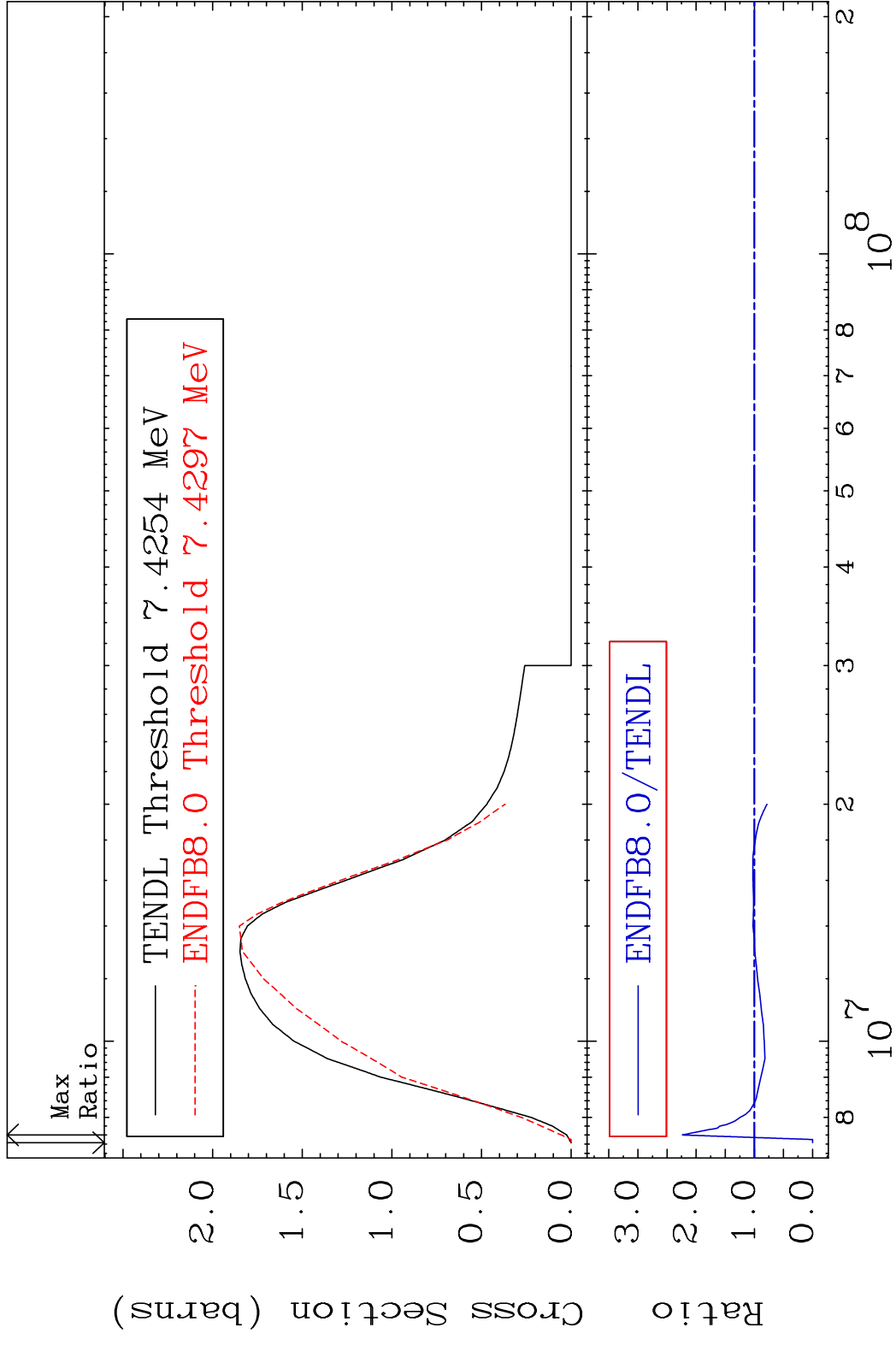
Incident Energy (eV)

60-Nd-150

MAT 6049 Inelastic 60-Nd-150
 Cross Section -100.0 To 422.1 %



MAT 6049 (n,2n) 60-Nd-150
 Cross Section -100.0 To 123.7 %



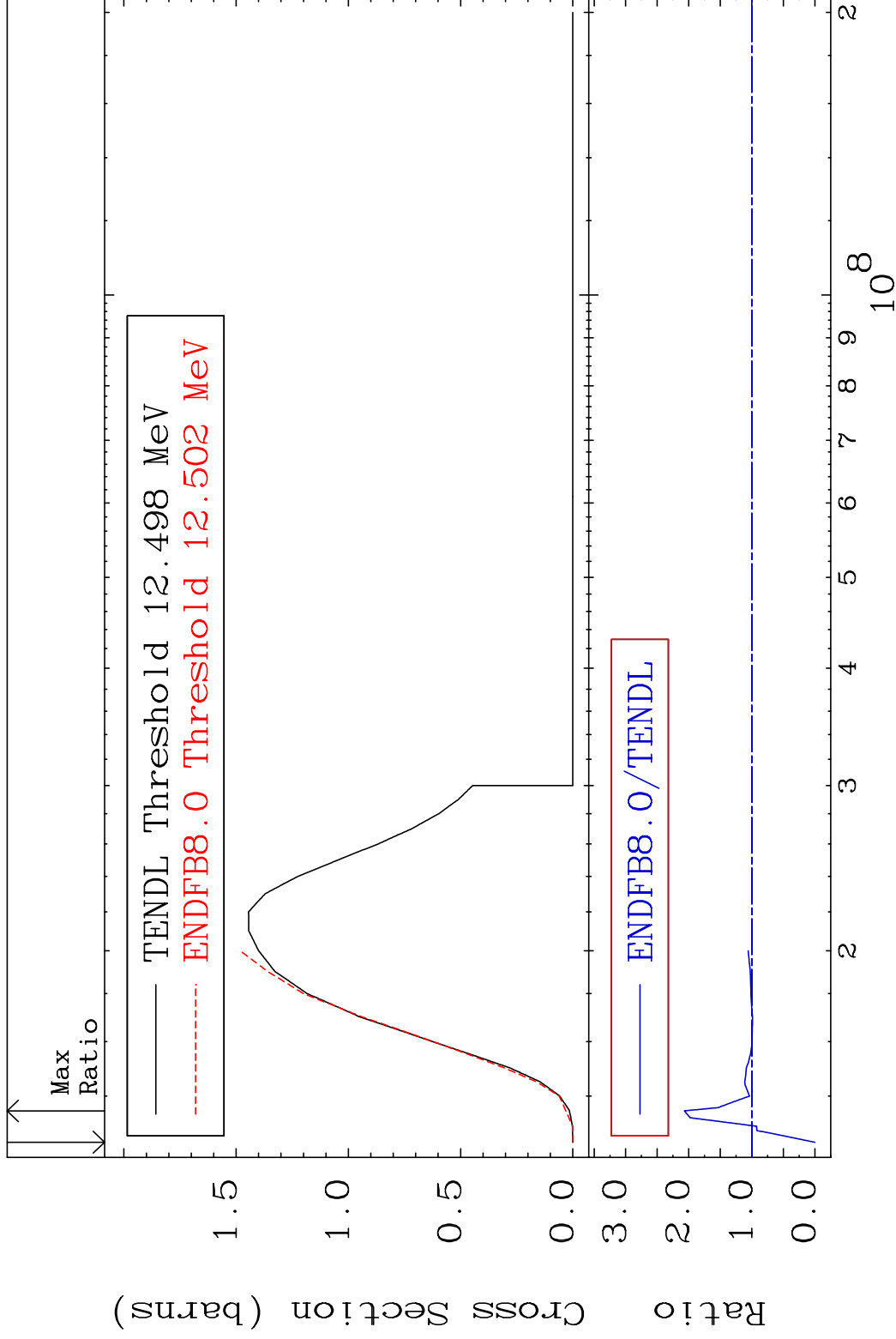
4 Incident Energy (eV) 60-Nd-150

MAT 6049

(n,3n)

60-Nd-150

Cross Section -100.0 To 107.0 %

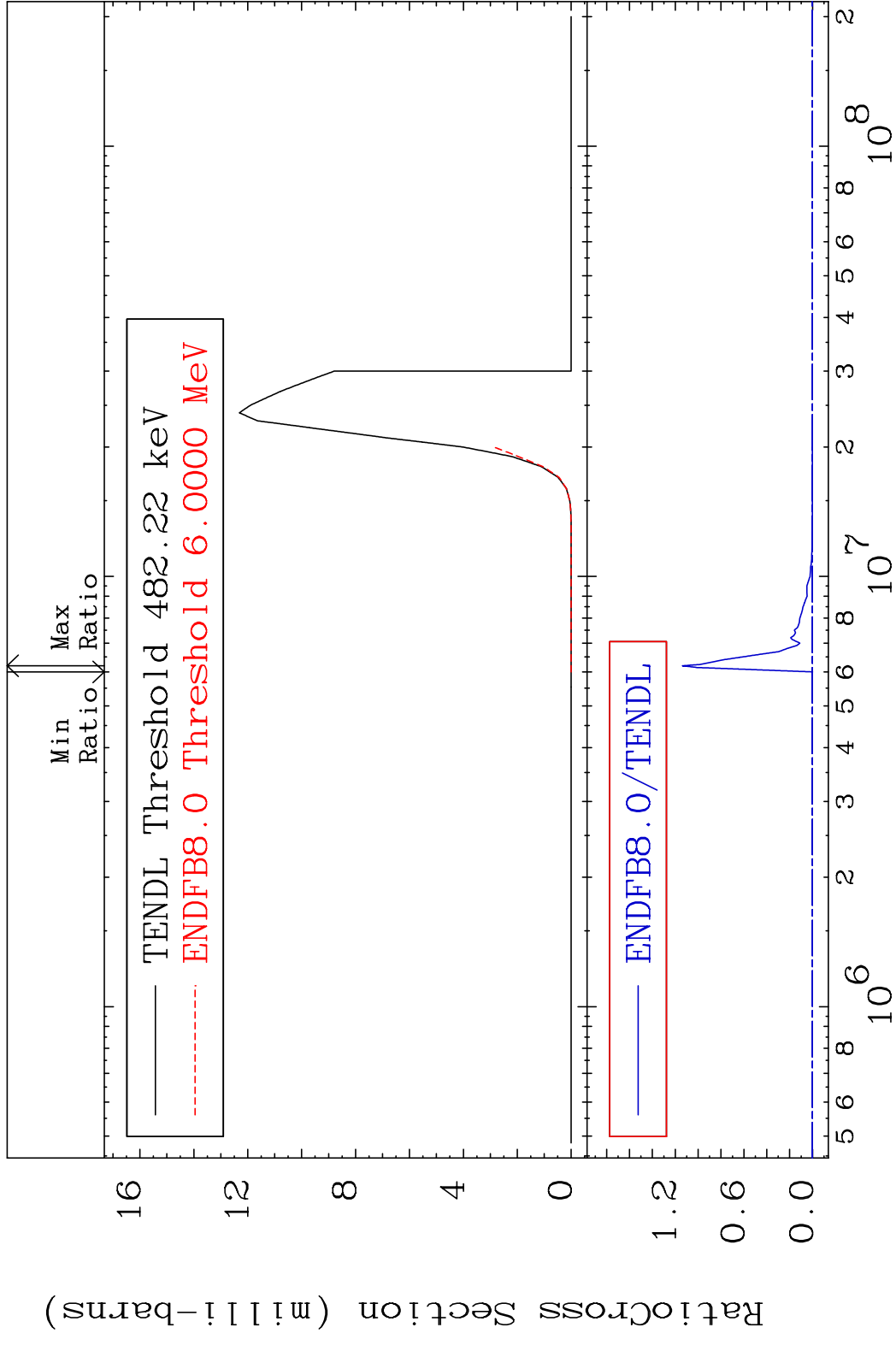


5

Incident Energy (eV)

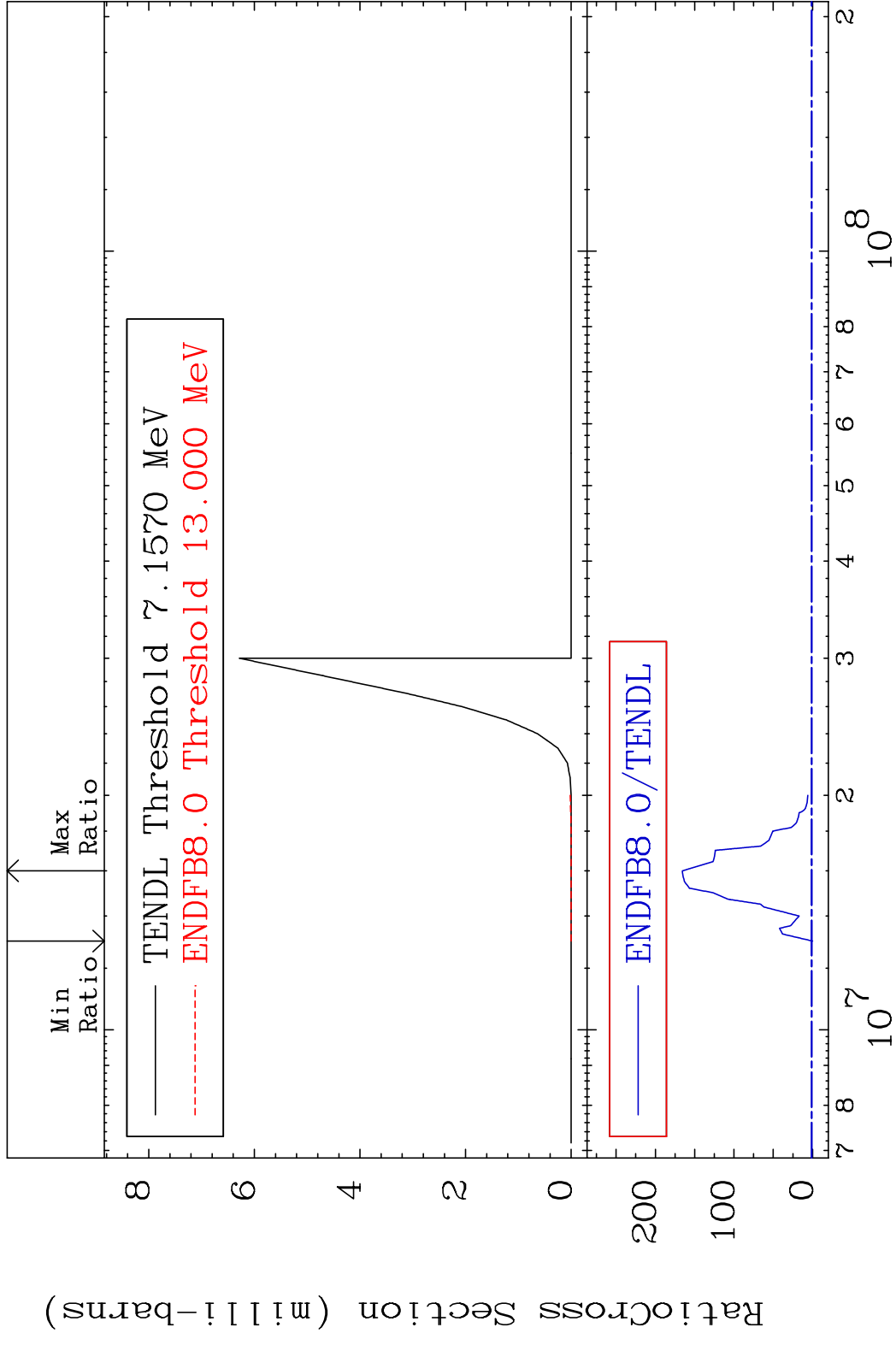
60-Nd-150

MAT 6049 (n, n') α 60-Nd-150
 Cross Section -100.0 To 9999. %



6 Incident Energy (eV) 60-Nd-150

MAT 6049 (n,2n) α 60-Nd-150
 Cross Section -100.0 To 9999. %



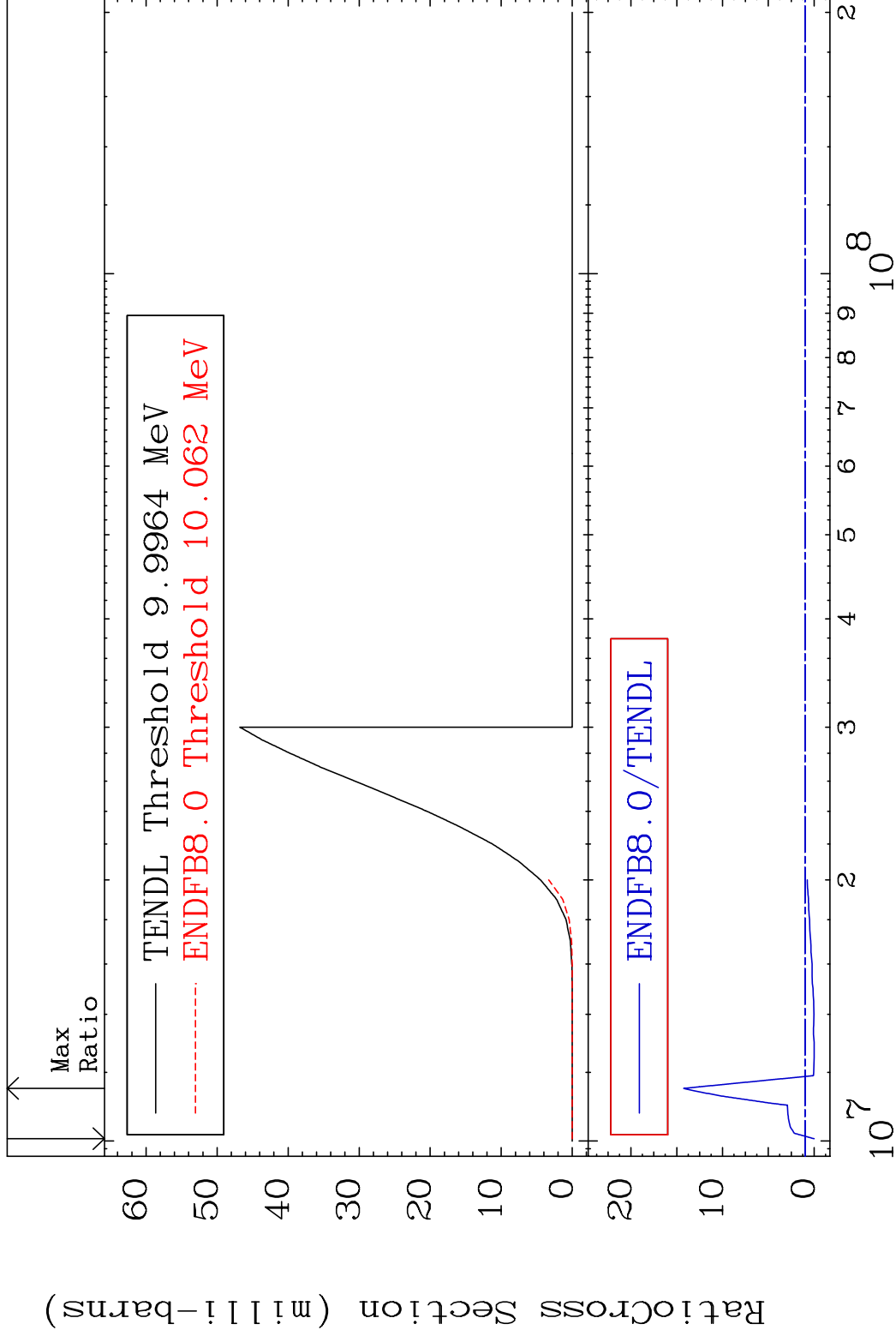
7 8 10⁷ 2 3 4 5 6 7 8 10⁸ 2 60-Nd-150

MAT 6049

(n, n') p

60-Nd-150

Cross Section -100.0 To 1324. %



8

Incident Energy (eV)

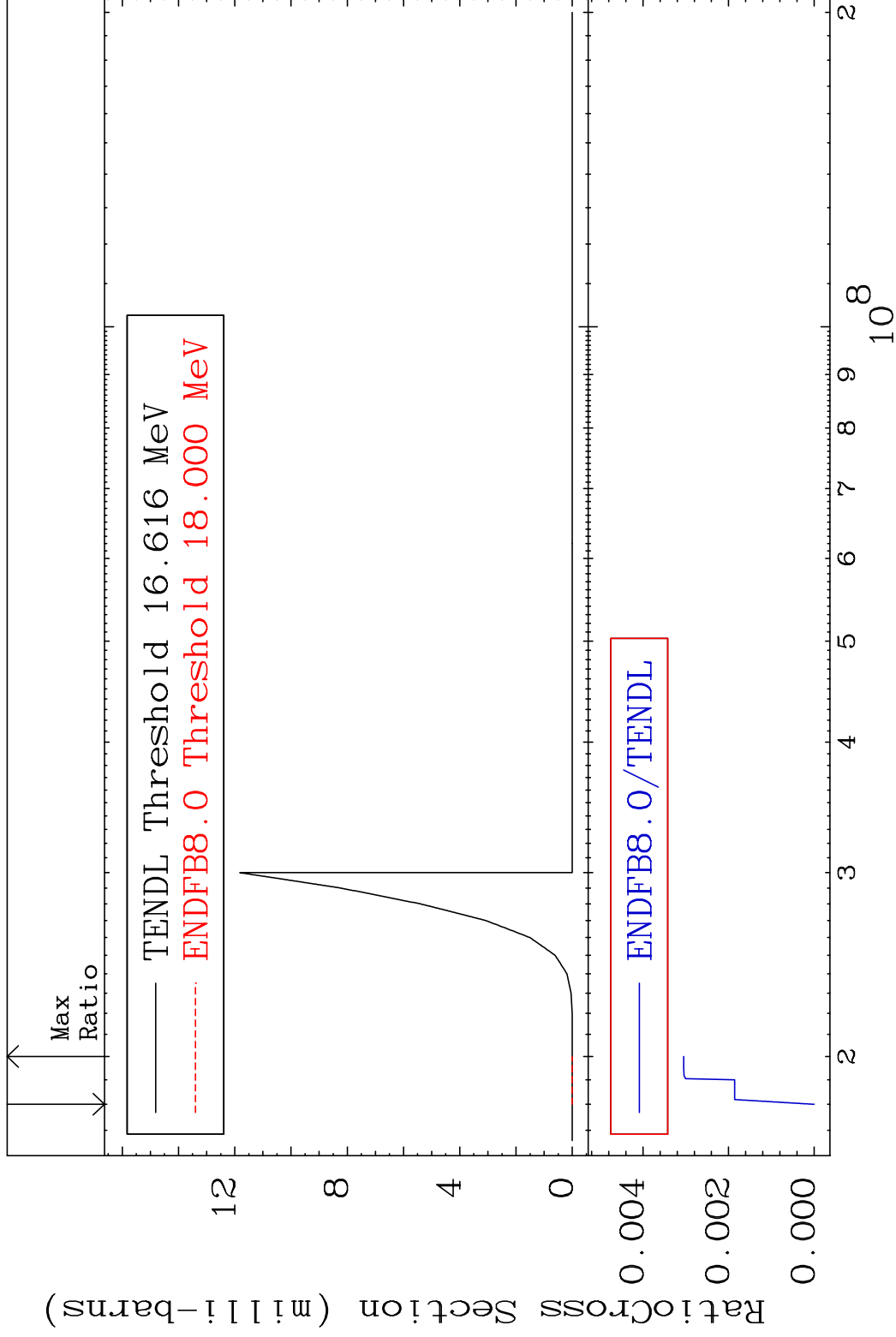
60-Nd-150

MAT 6049

(n,2n) p

60-Nd-150

Cross Section -100.0 To -99.70%

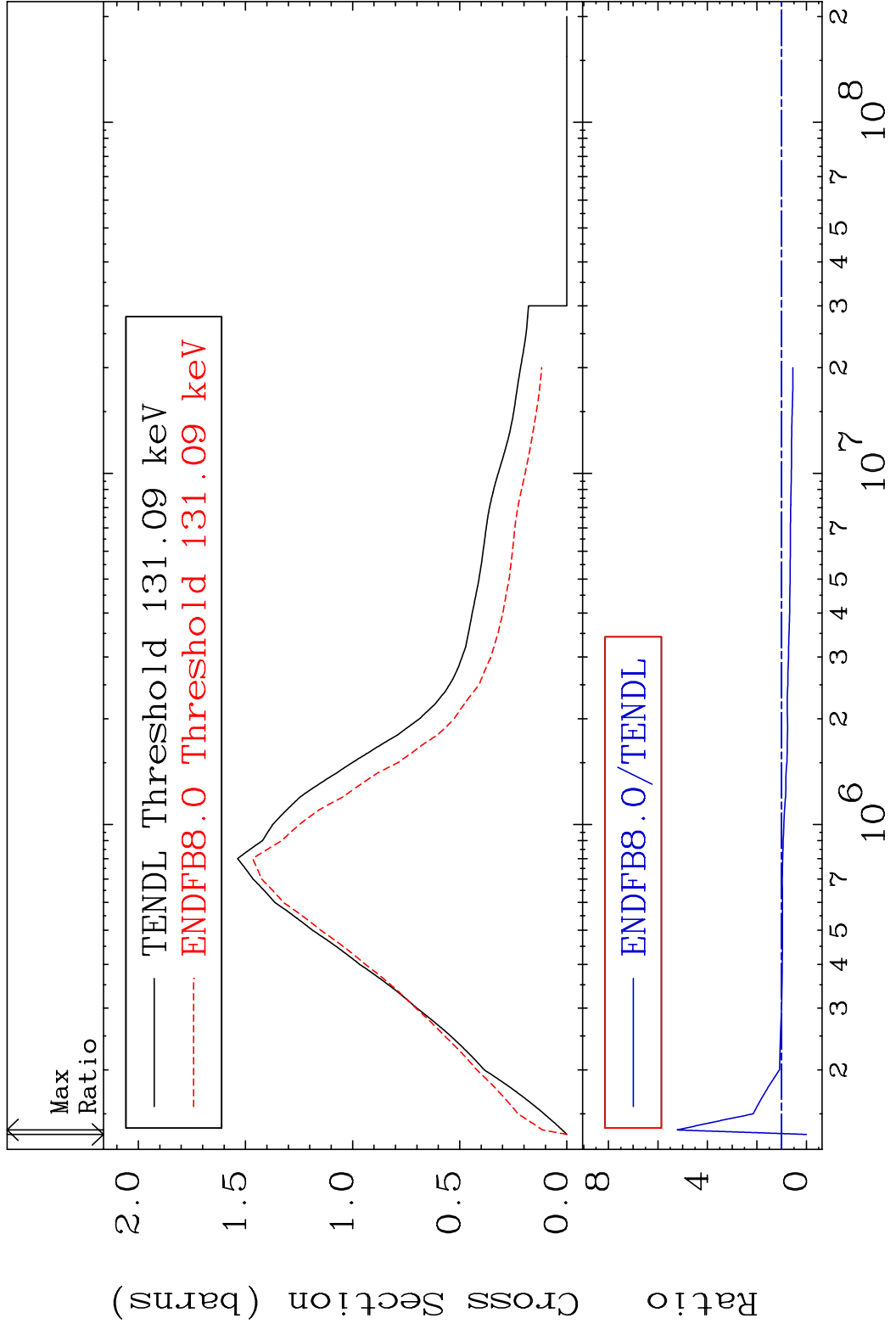


9

Incident Energy (eV)

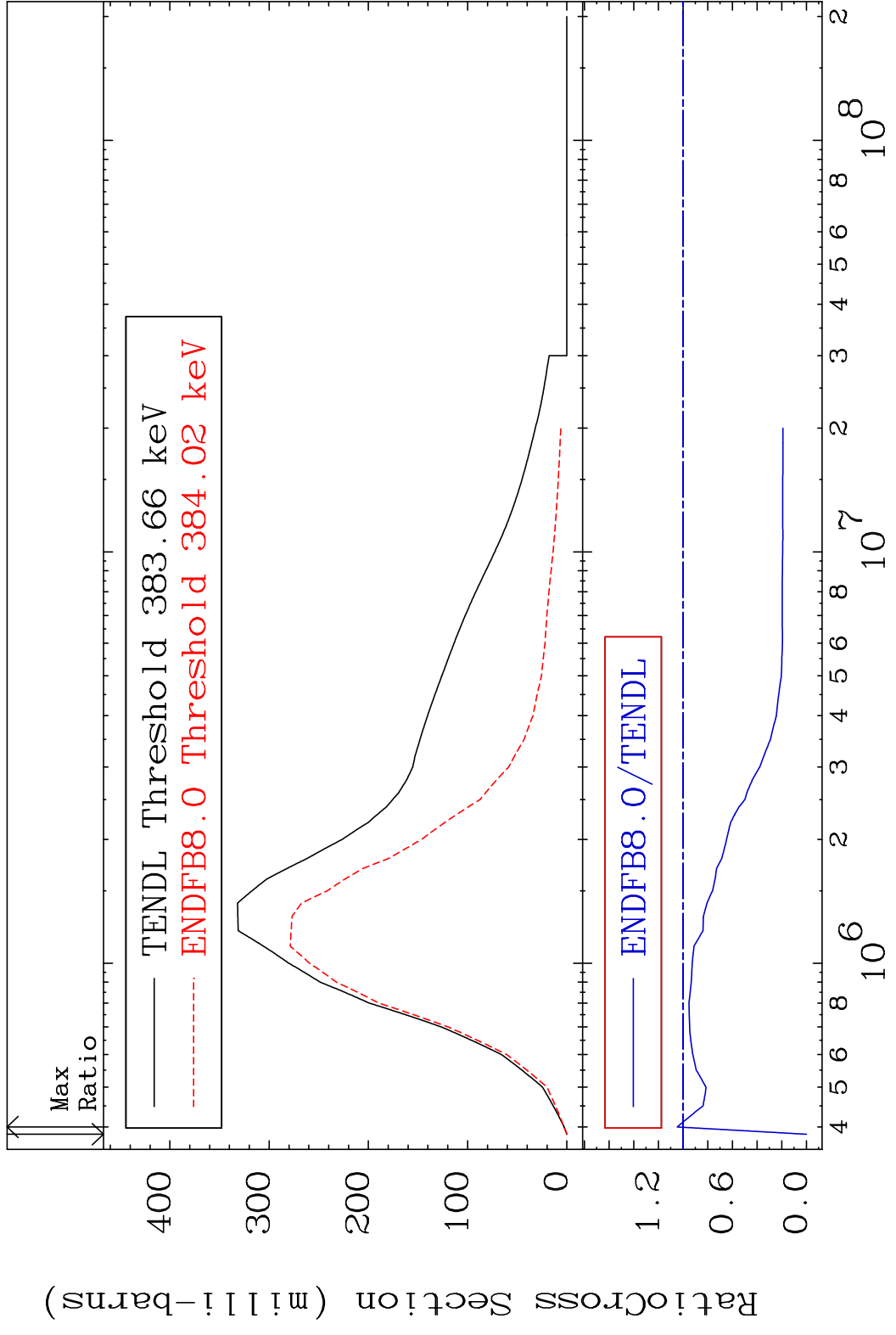
60-Nd-150

MAT 6049 MT= 51 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 422.1 %

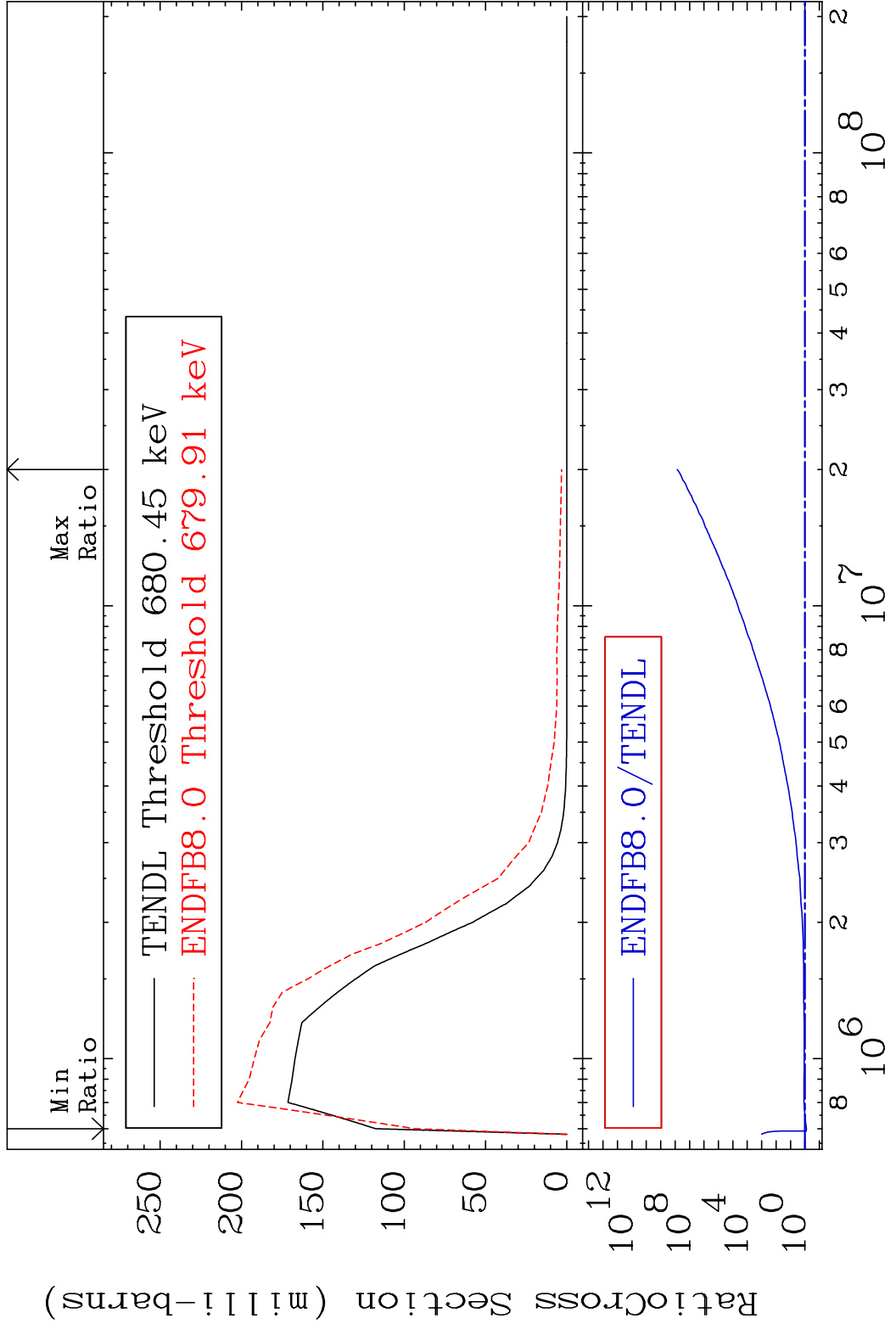


10 Incident Energy (eV) 60-Nd-150

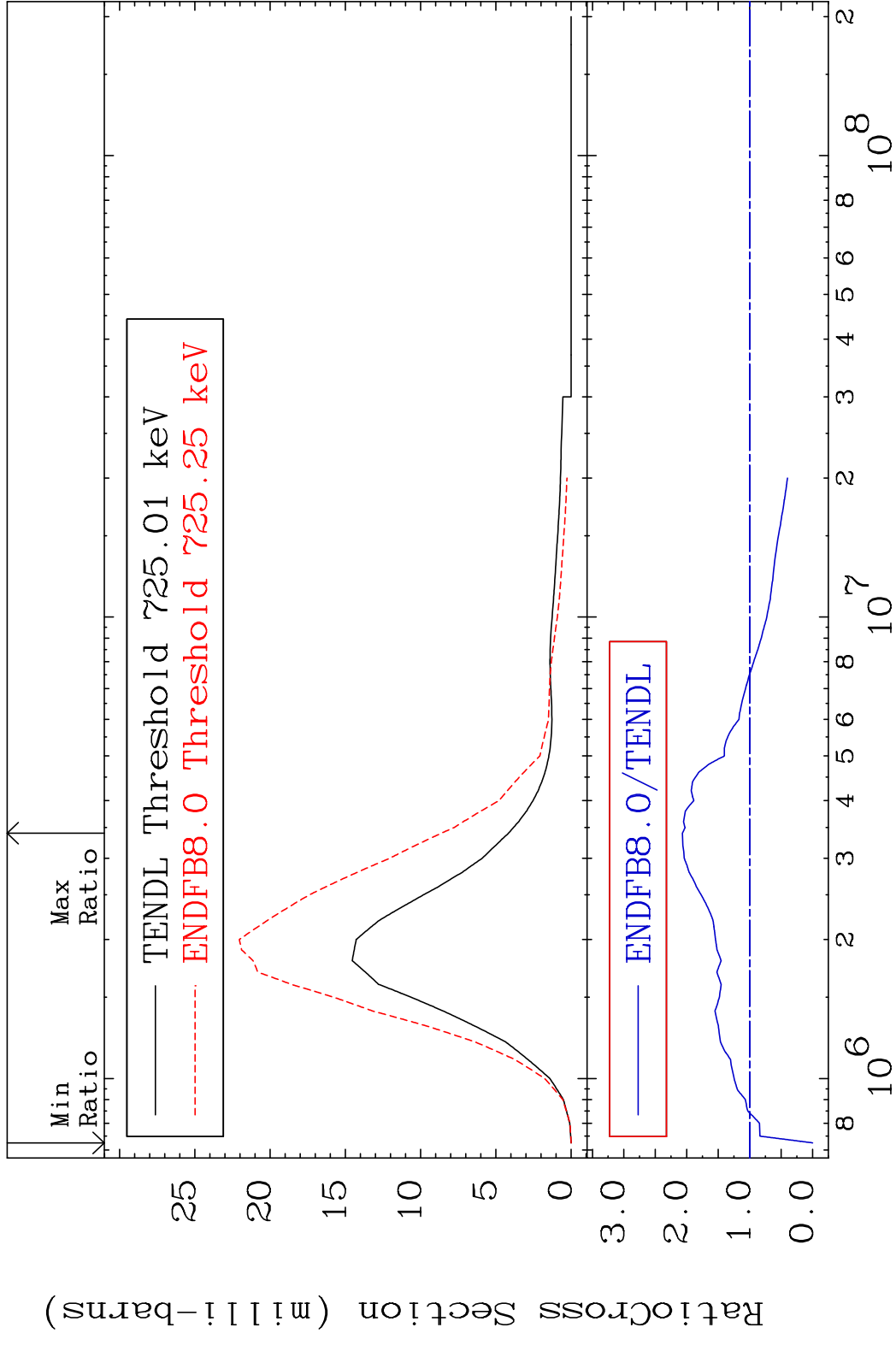
MAT 6049 MT= 52 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 4.740 %



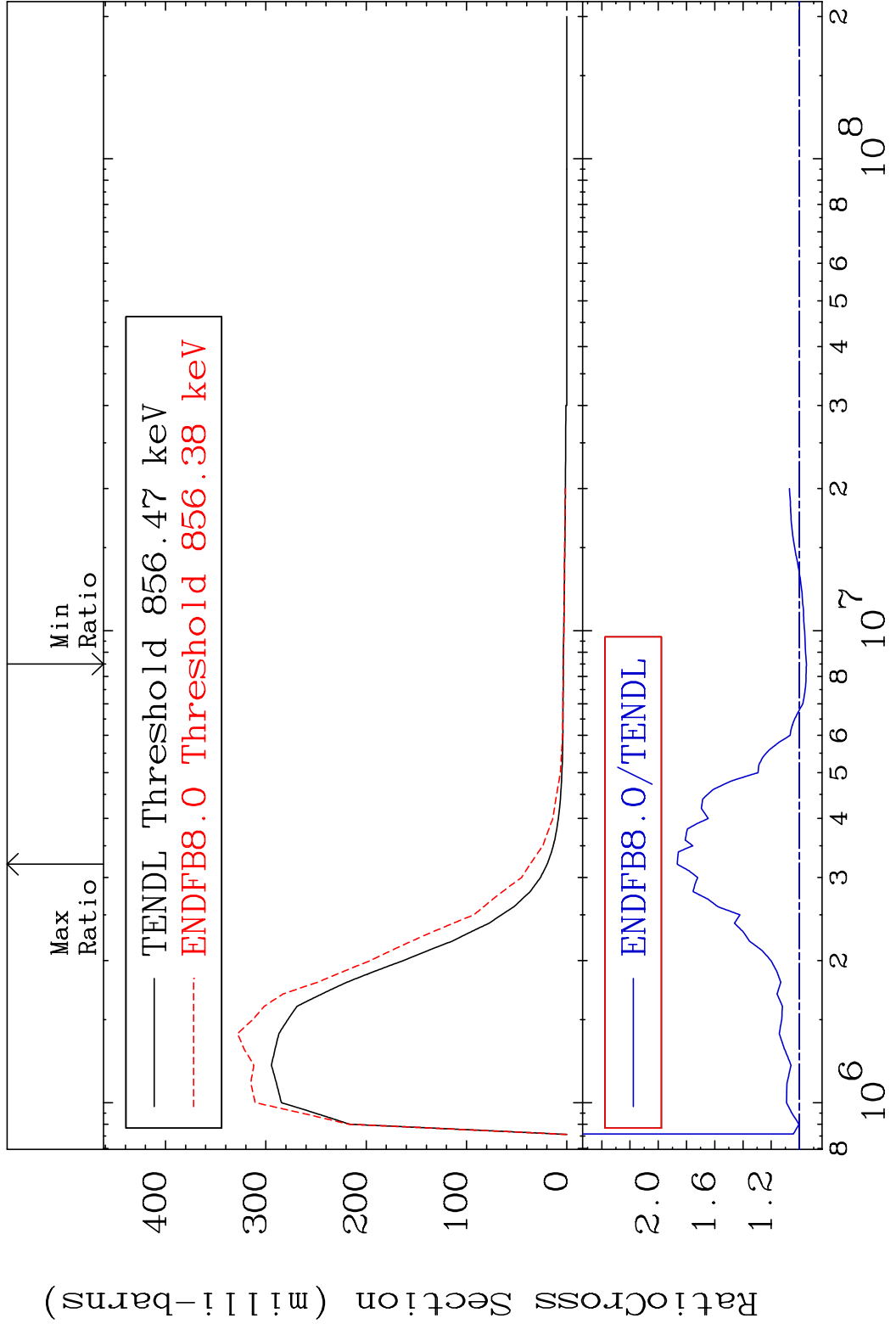
MAT 6049 MT= 53 (n, n') Level 60-Nd-150
 Cross Section -20.36 To 9999. %



MAT 6049 MT= 54 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 107.0 %

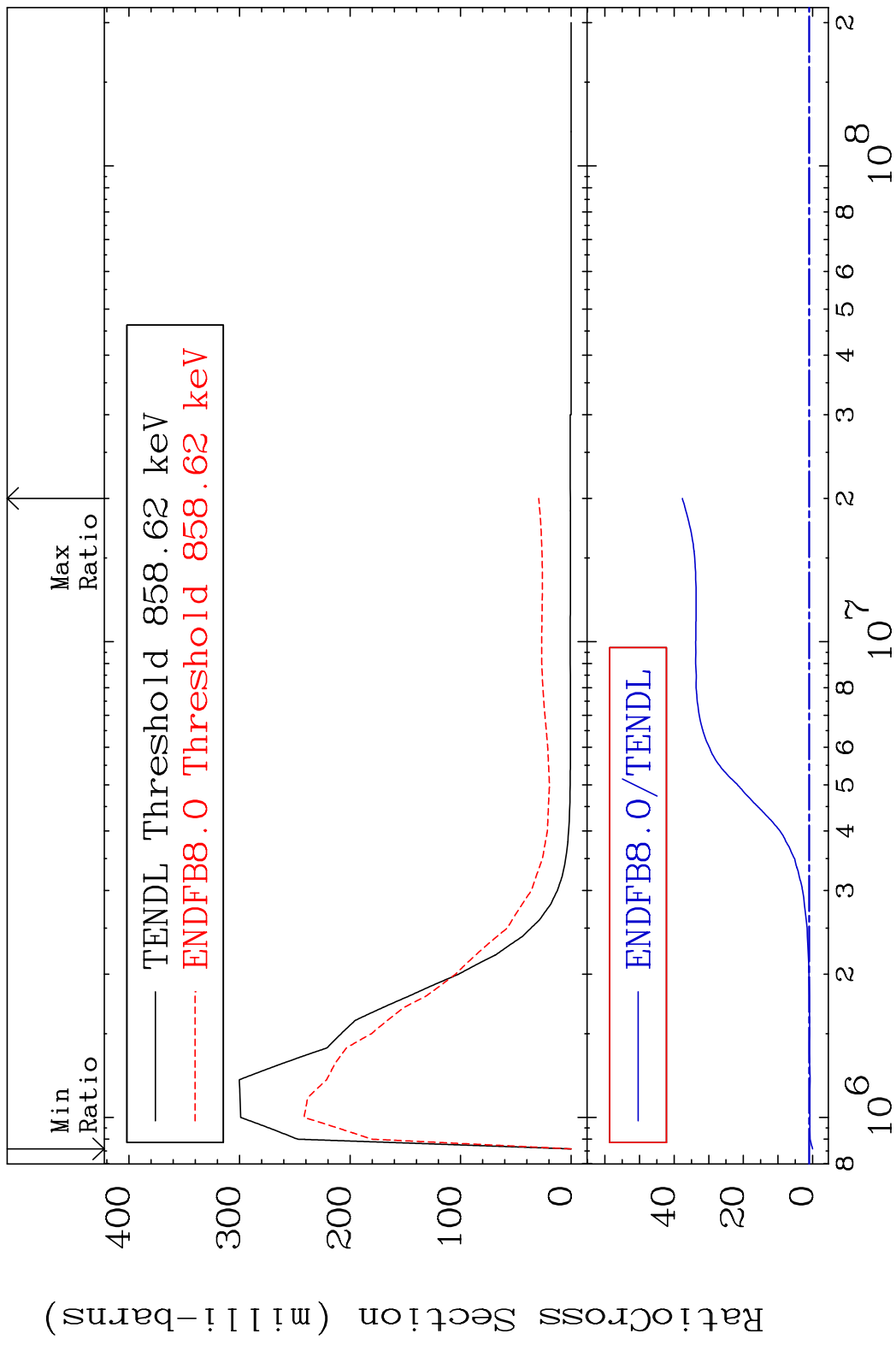


MAT 6049 MT= 55 (n, n') Level 60-Nd-150
 Cross Section -4.903 To 86.60 %



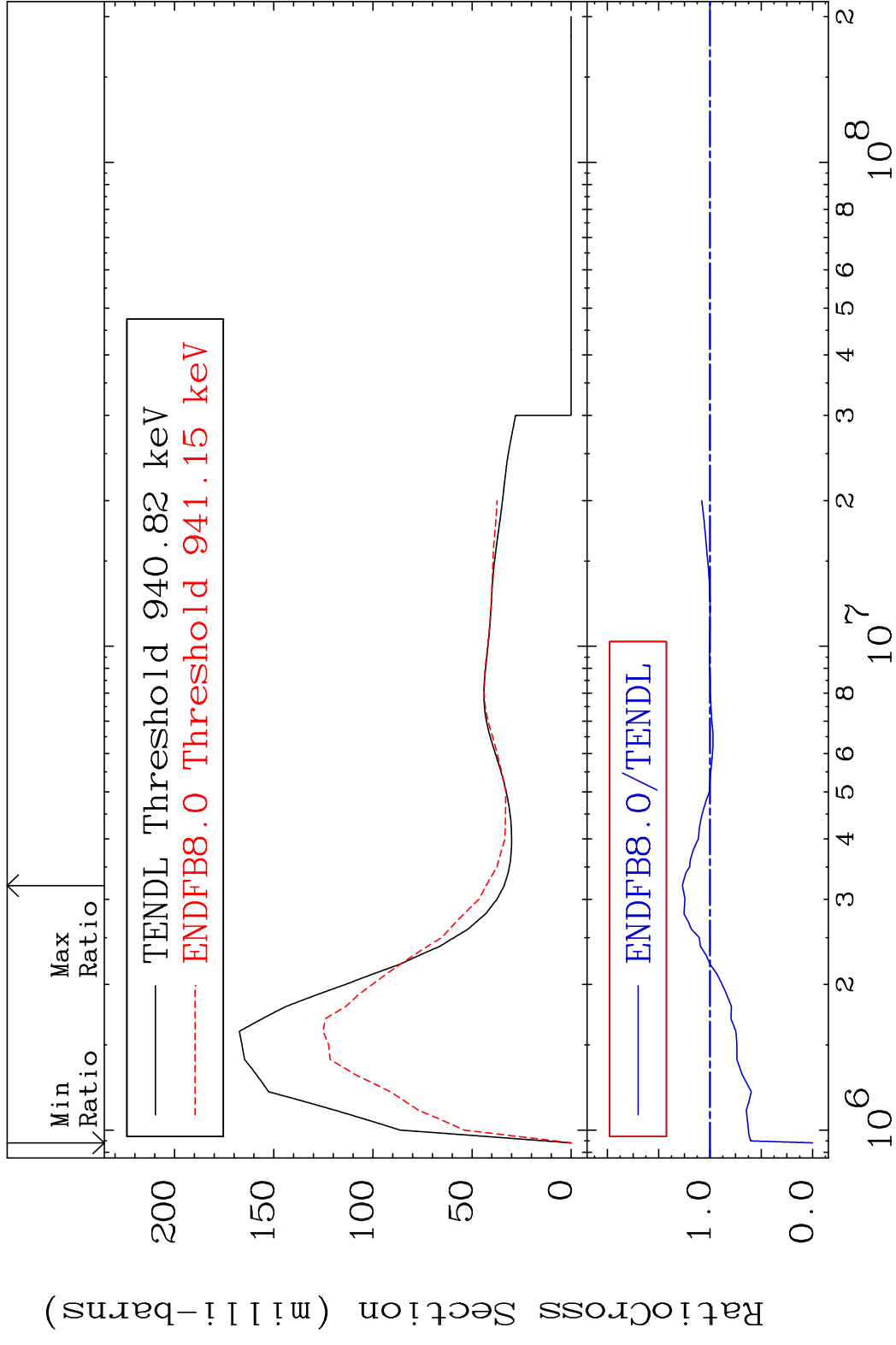
14 Incident Energy (eV) 60-Nd-150

MAT 6049 MT= 56 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 3662. %

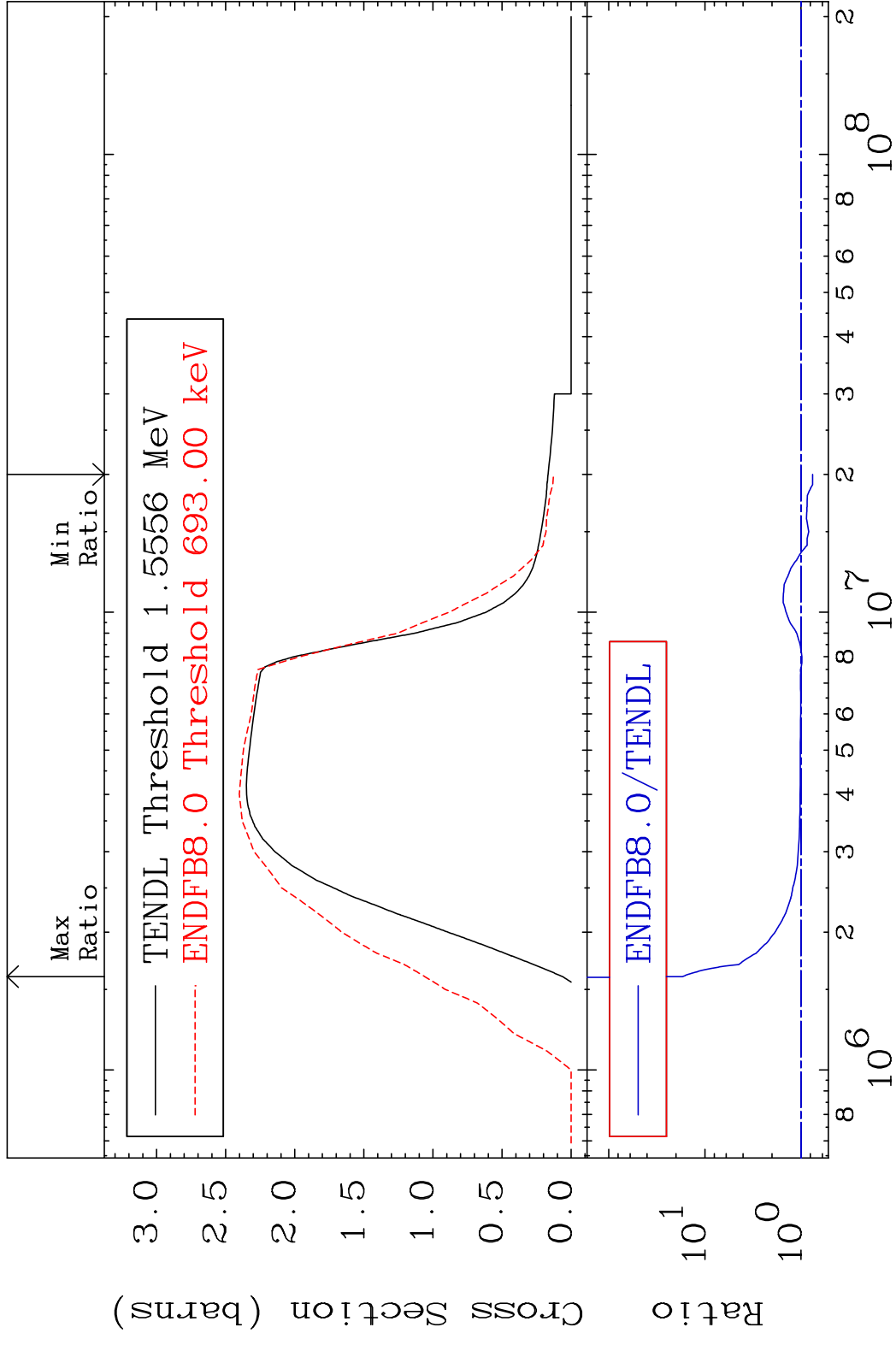


15 Incident Energy (eV) 60-Nd-150

MAT 6049 MT= 57 (n, n') Level 60-Nd-150
 Cross Section -100.0 To 26.93 %

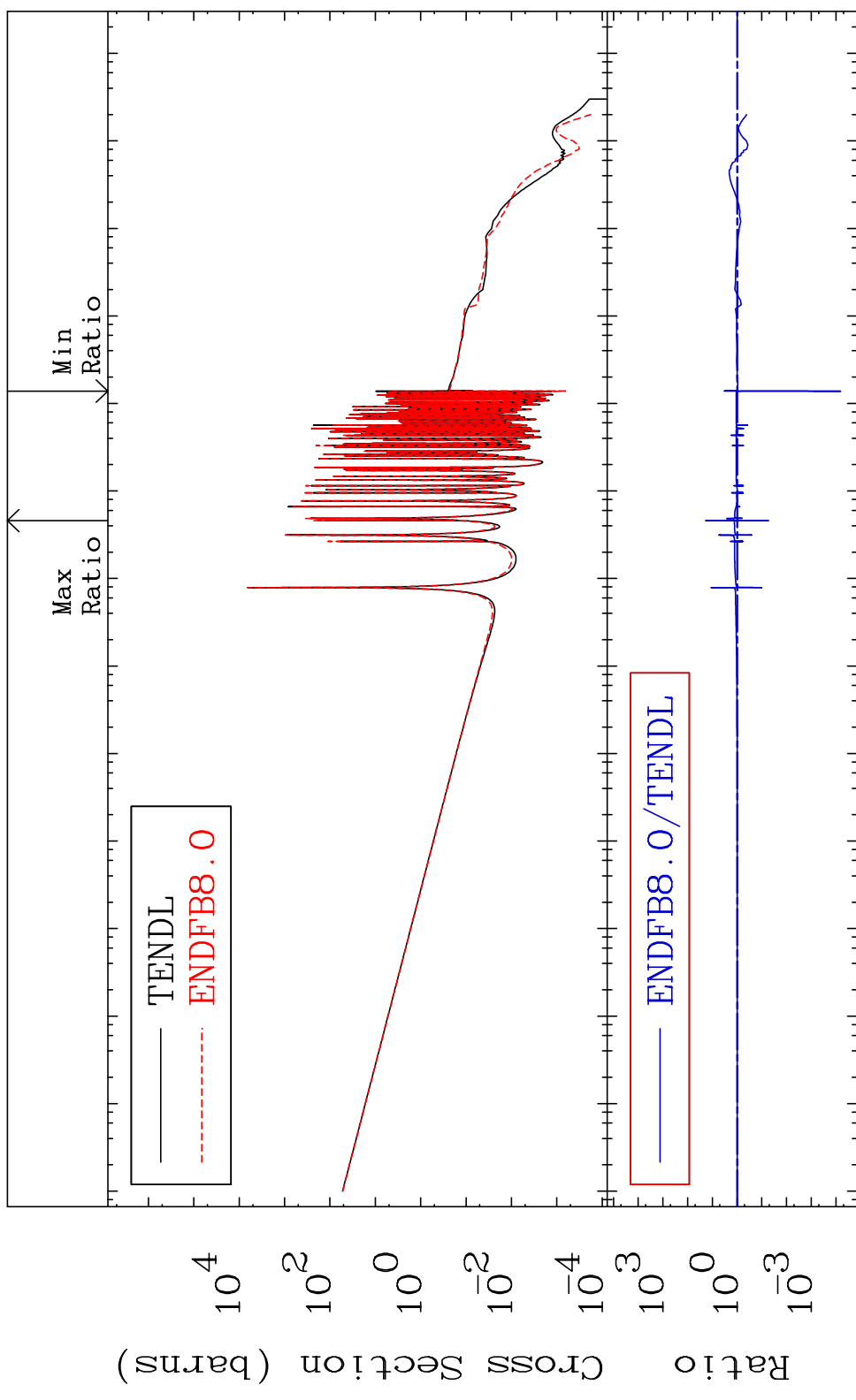


MAT 6049 (n,n') Continuum 60-Nd-150
 Cross Section -24.10 To 1616. %



MAT 6049

(n, γ)
Cross Section -99.99 To 1749. %
60-Nd-150



18

Incident Energy (eV)

60-Nd-150

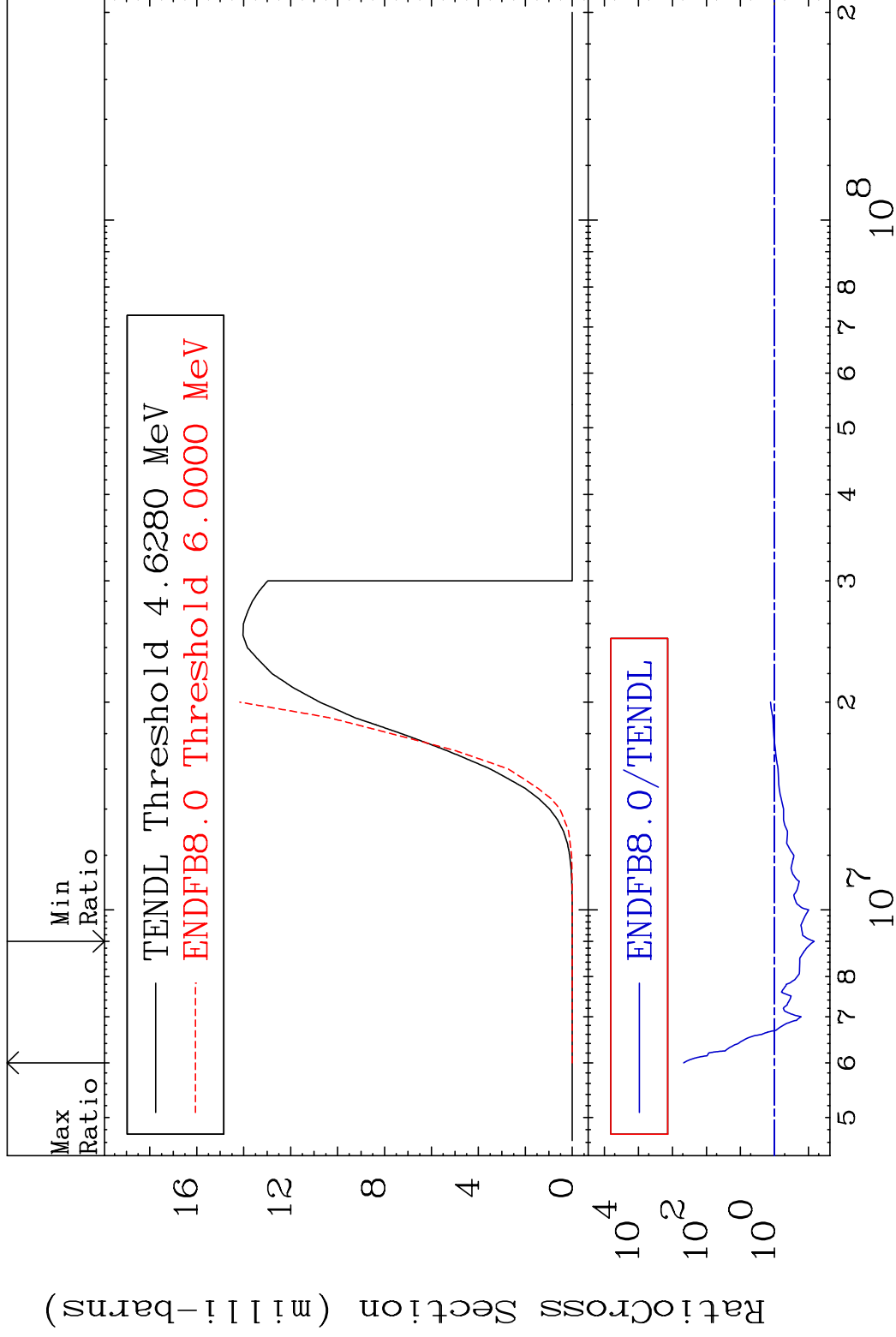
MAT 6049

(n,p)

60-Nd-150

Cross Section

-93.17 To 9999. %



19

Incident Energy (eV)

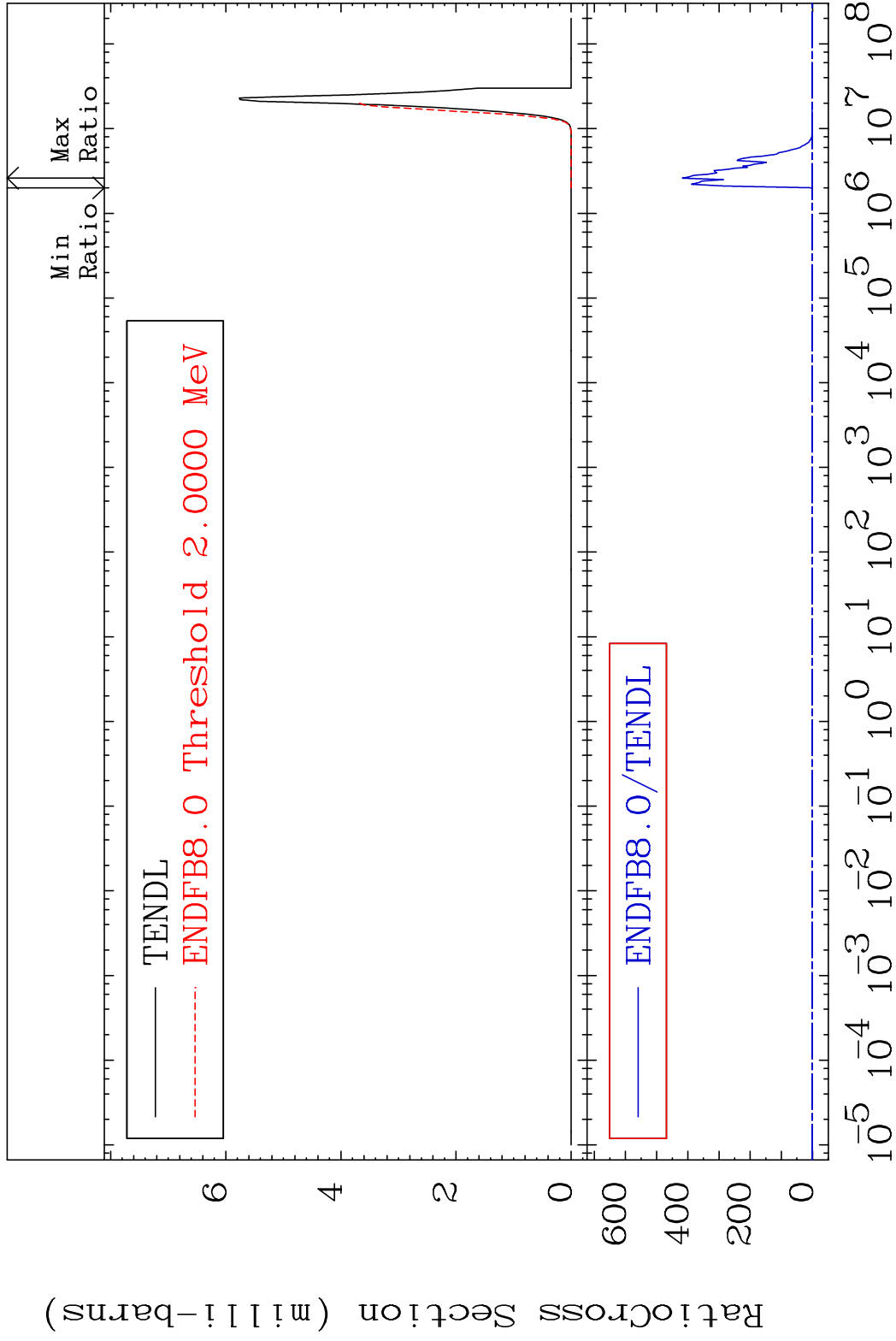
60-Nd-150

MAT 6049

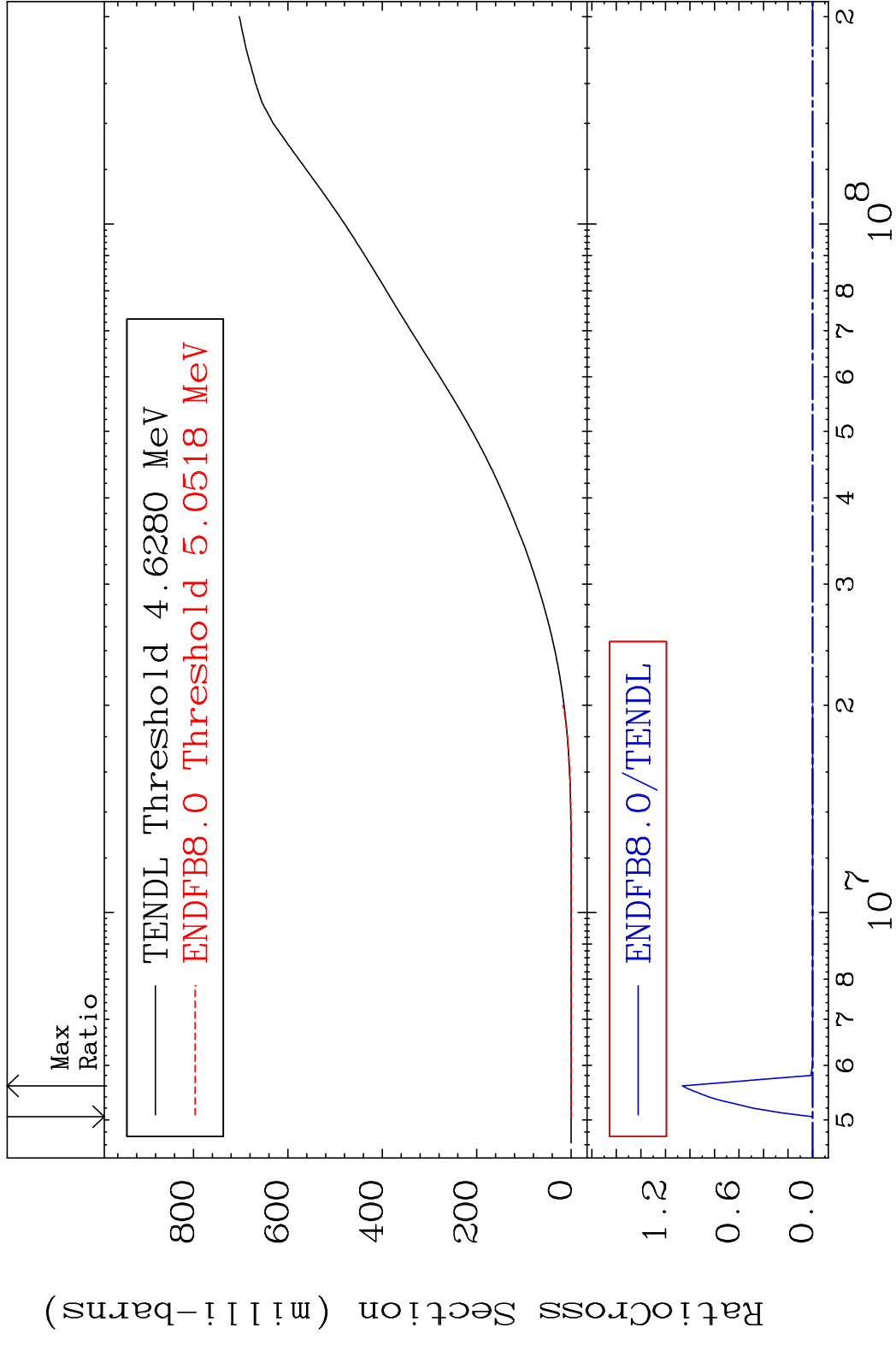
(n, α)

60-Nd-150

Cross Section -100.0 To 9999. %



MAT 6049 Hydrogen Production 60-Nd-150
 Cross Section -100.0 To 9999. %

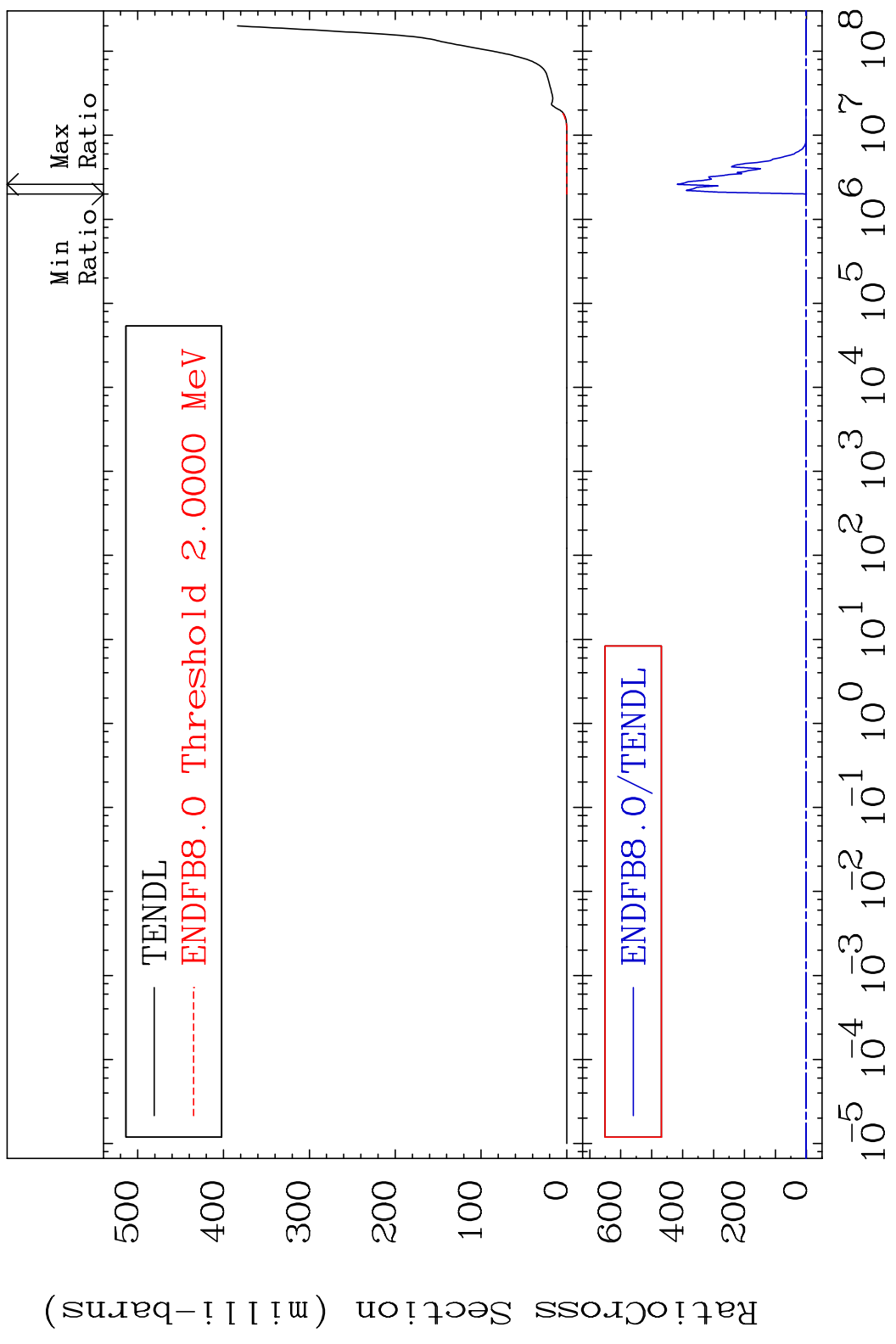


MAT 6049

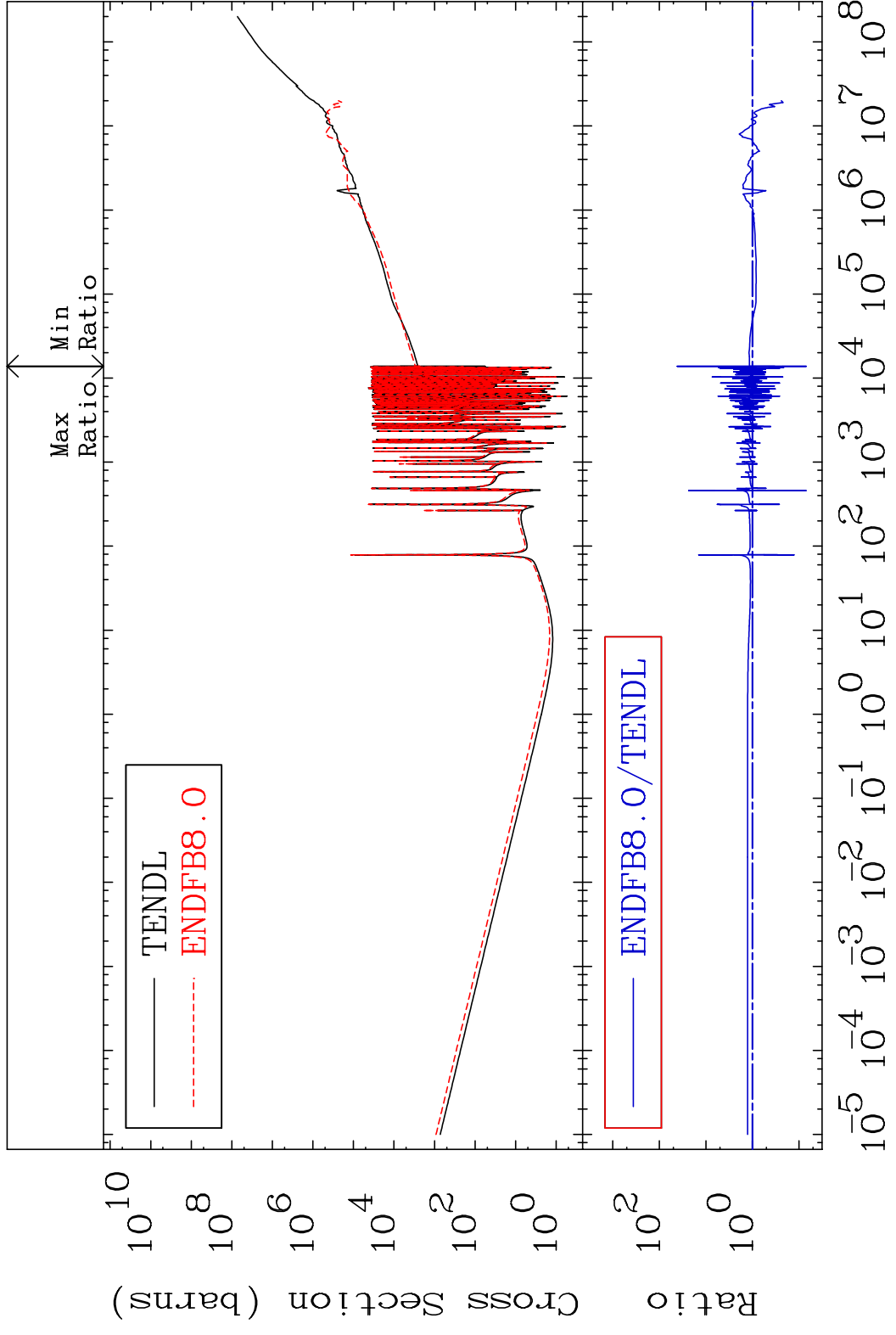
He-4 Production

60-Nd-150

Cross Section -100.0 To 9999. %

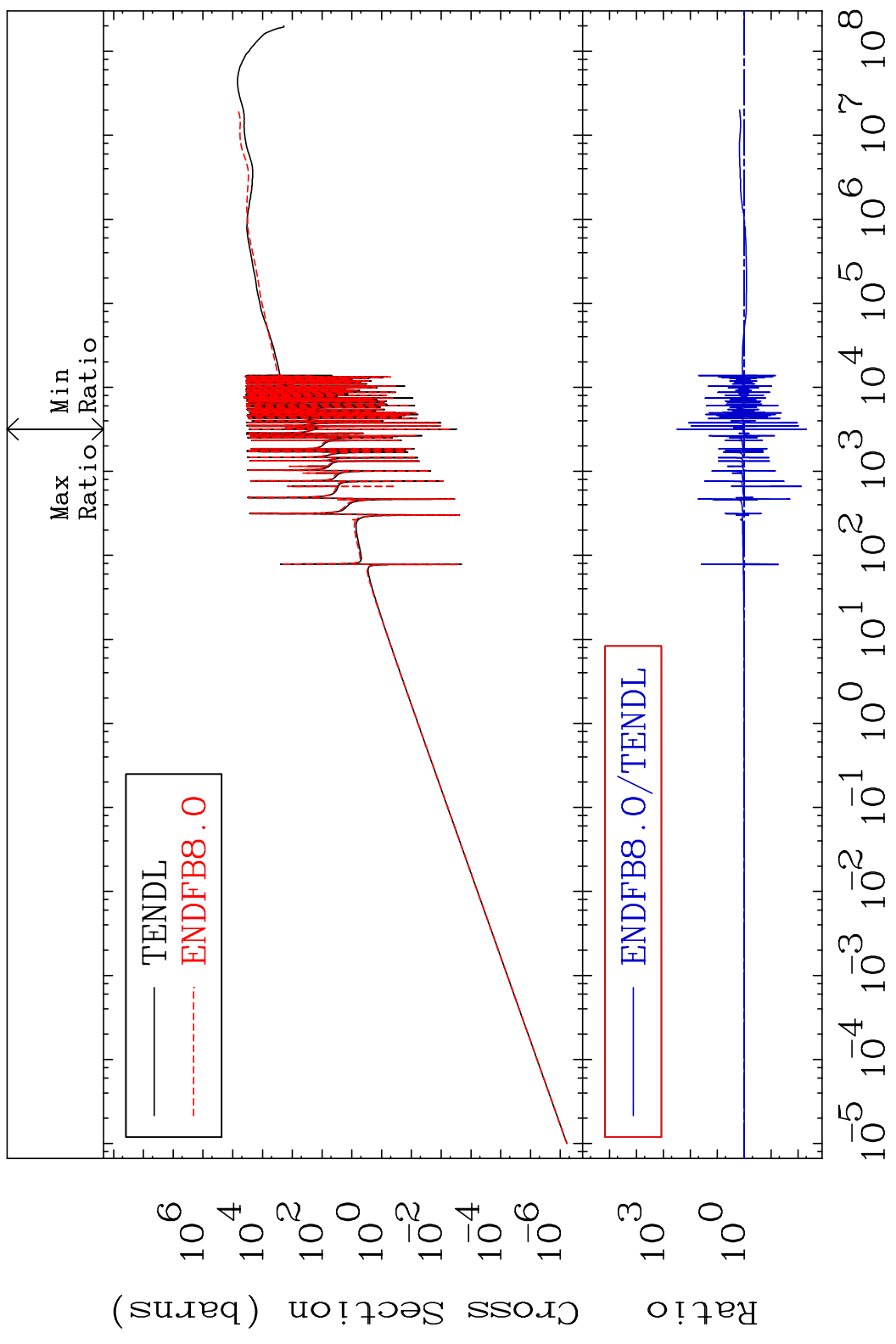


MAT 6049 Kerma total (eV-barns) 60-Nd-150
 Cross Section -93.06 To 4033. %

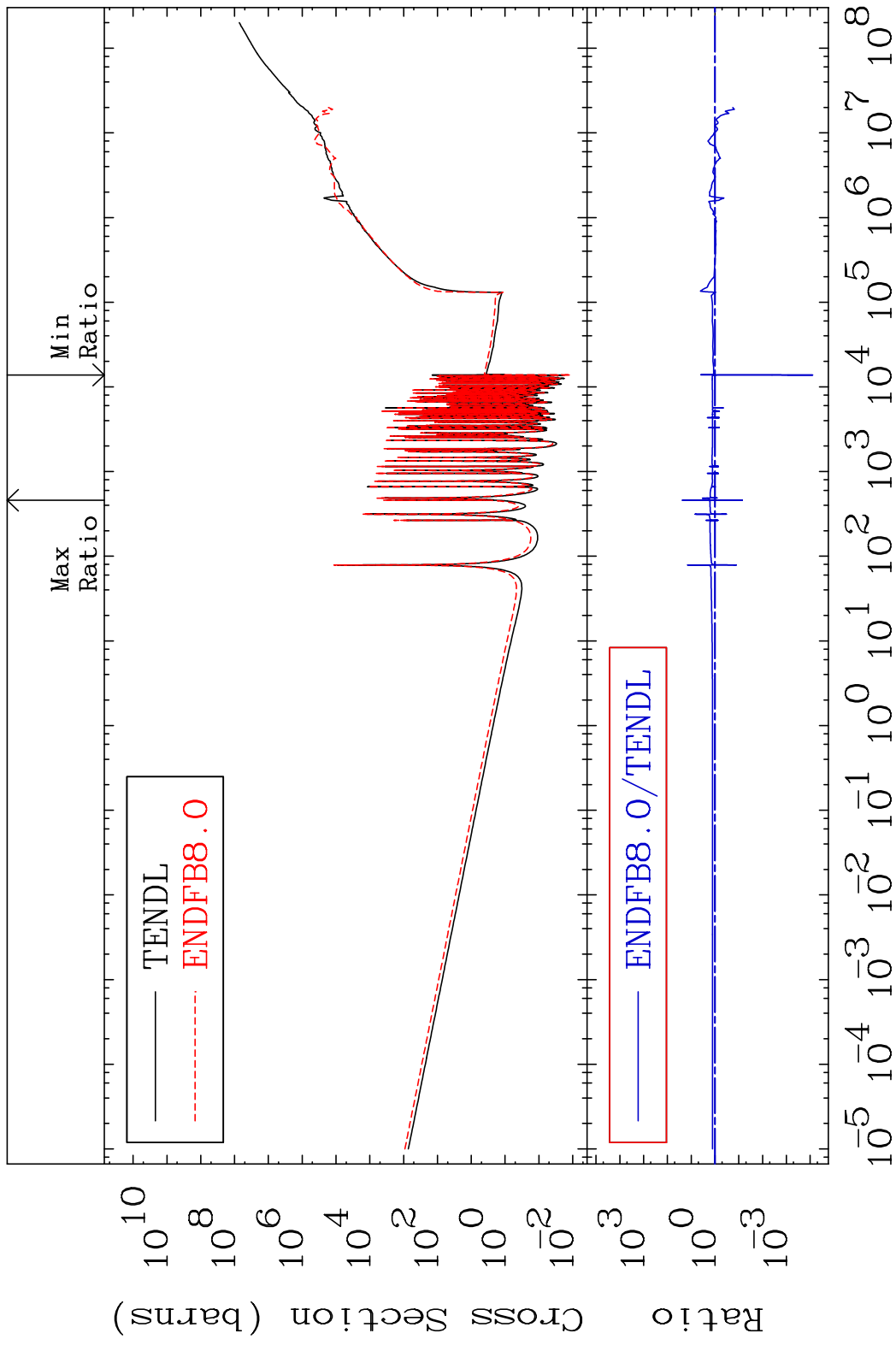


MAT 6049

Kerma elastic Cross Section -99.51 To 9999. %
60-Nd-150

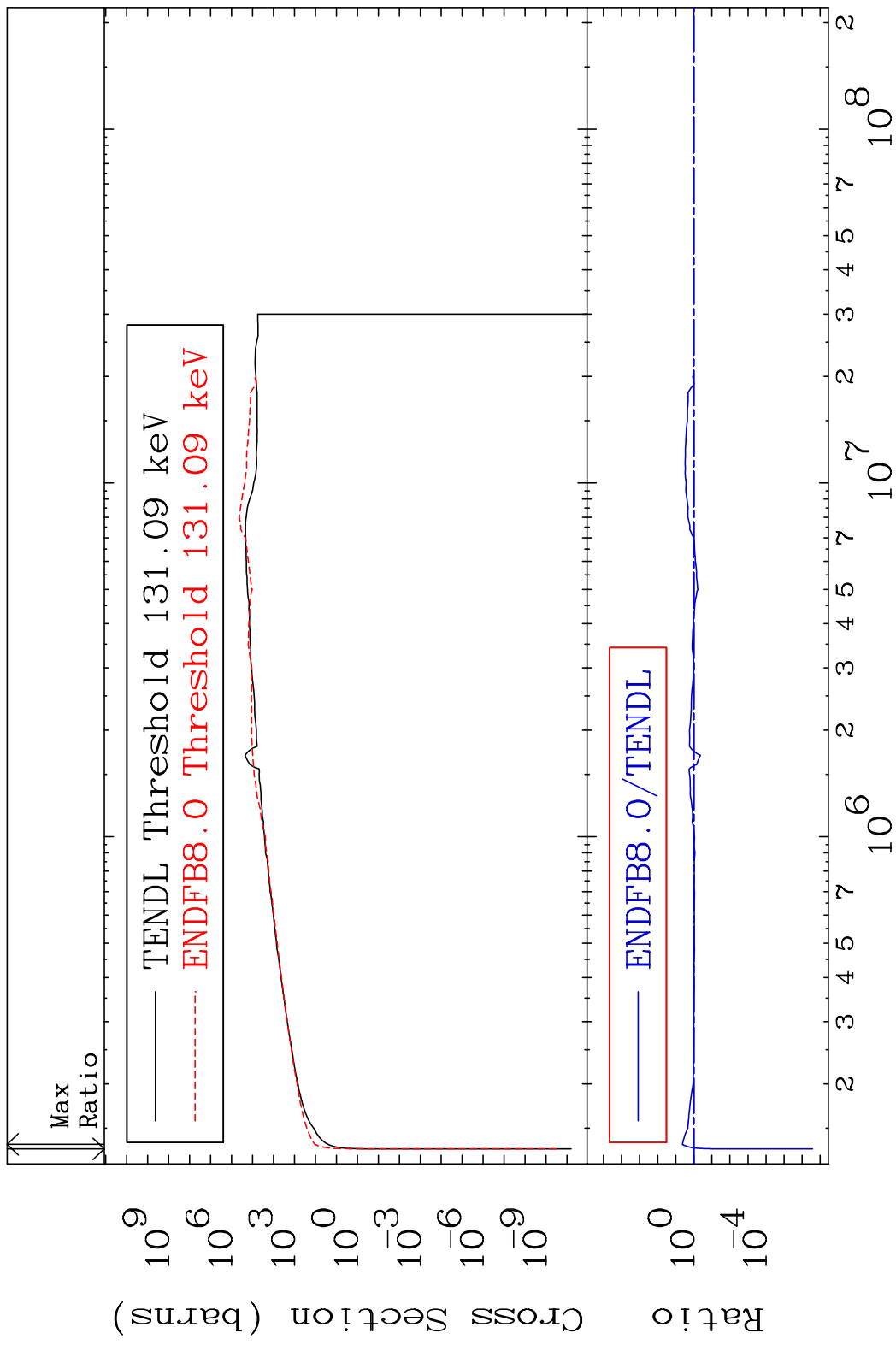


MAT 6049 Kerma non-elastic (all but mt2) 60-Nd-150
 Cross Section -99.99 To 2260. %

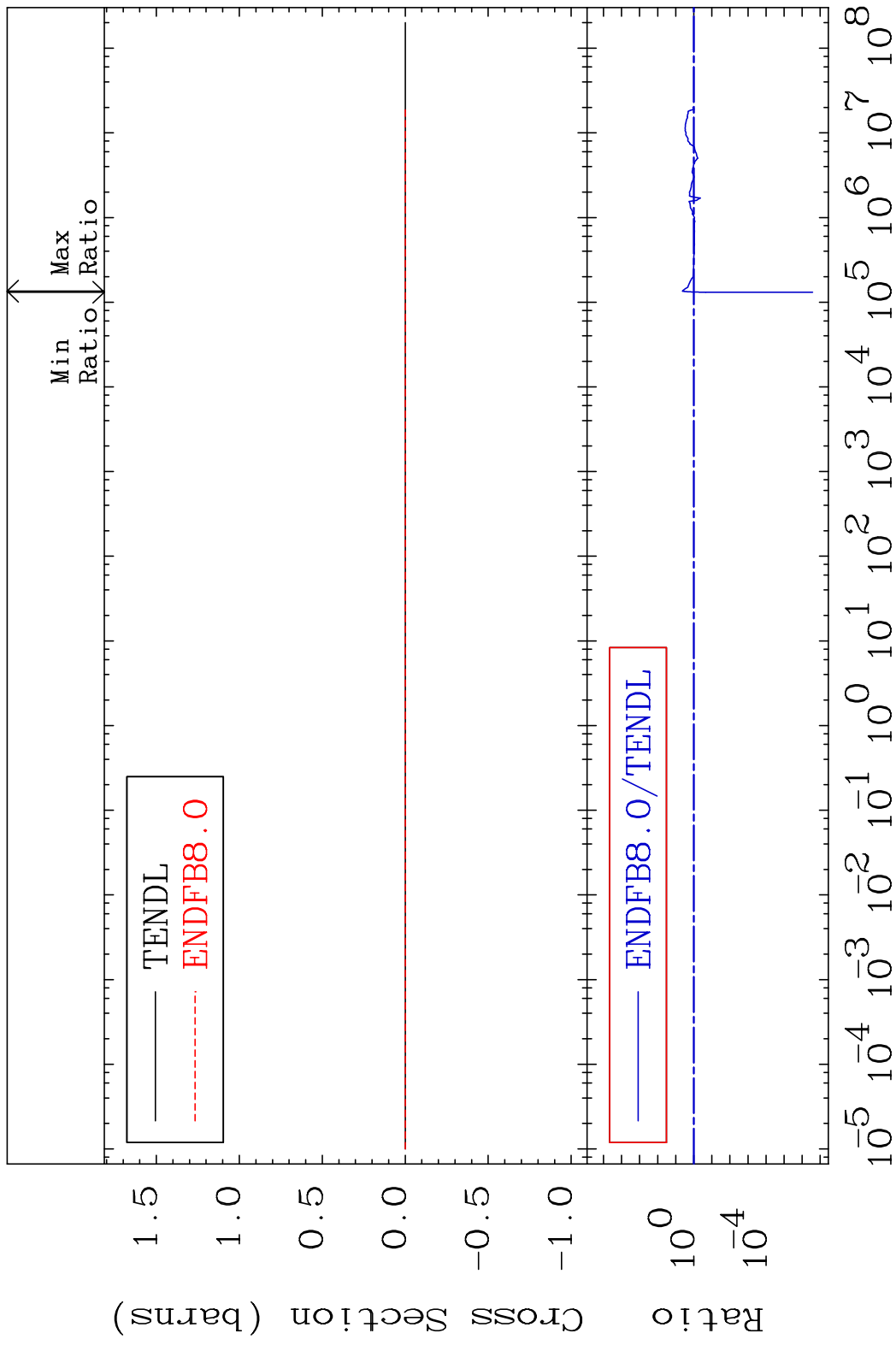


25 Incident Energy (eV) 60-Nd-150

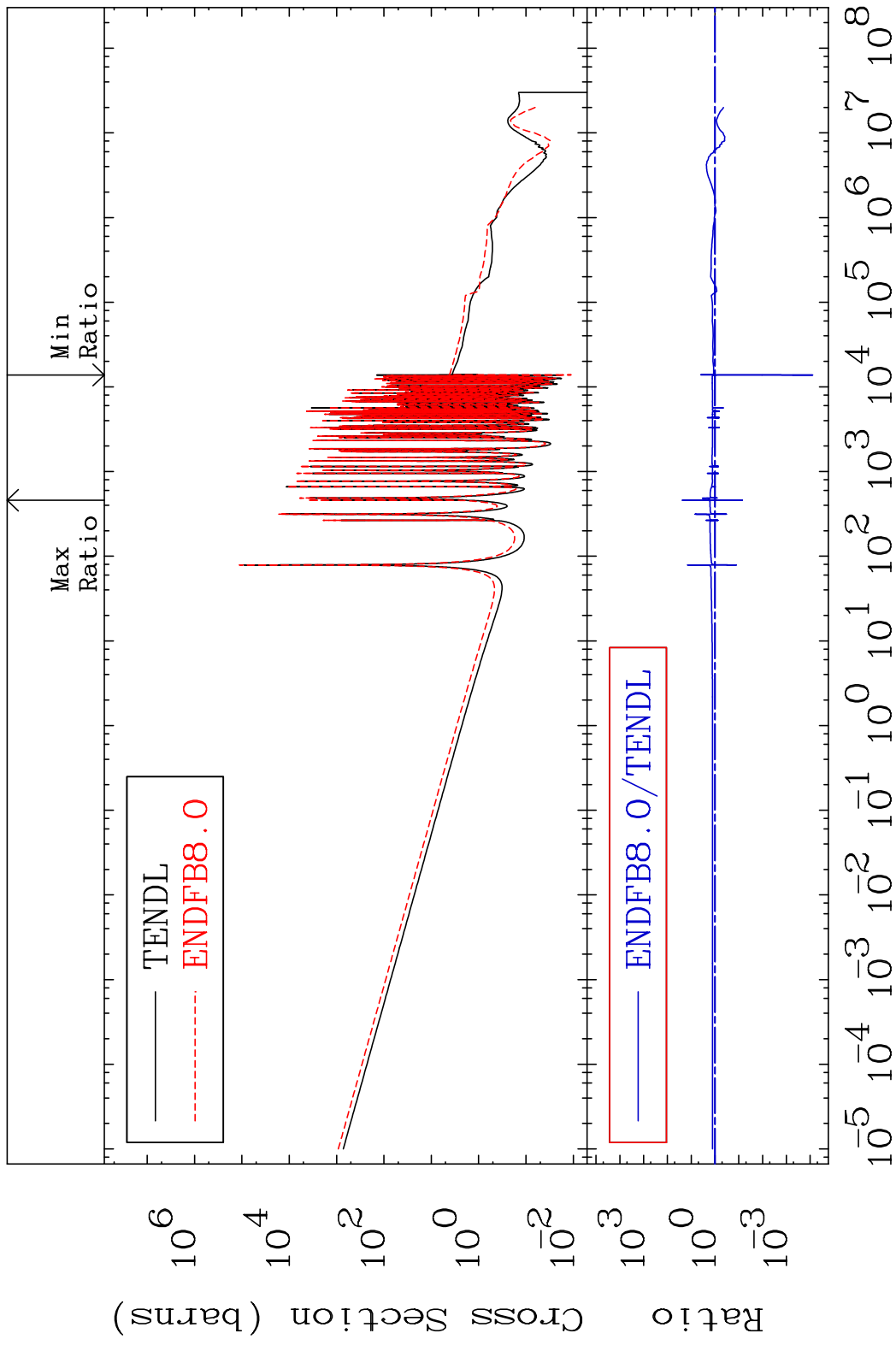
MAT 6049 Kerma inelastic (mt51-91) 60-Nd-150
 Cross Section -100.0 To 328.9 %



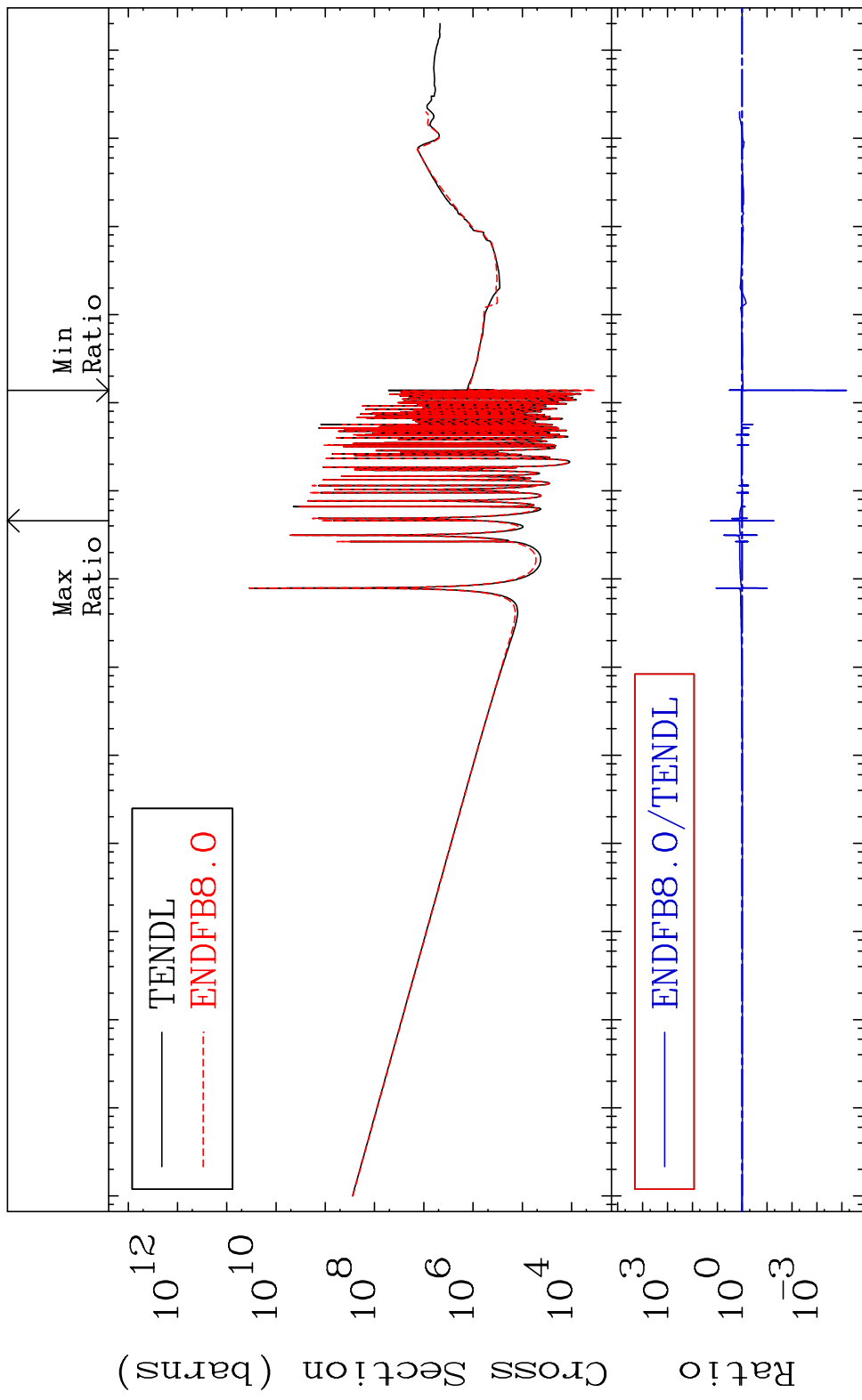
MAT 6049 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-150
 Cross Section -100.0 To 328.9 %



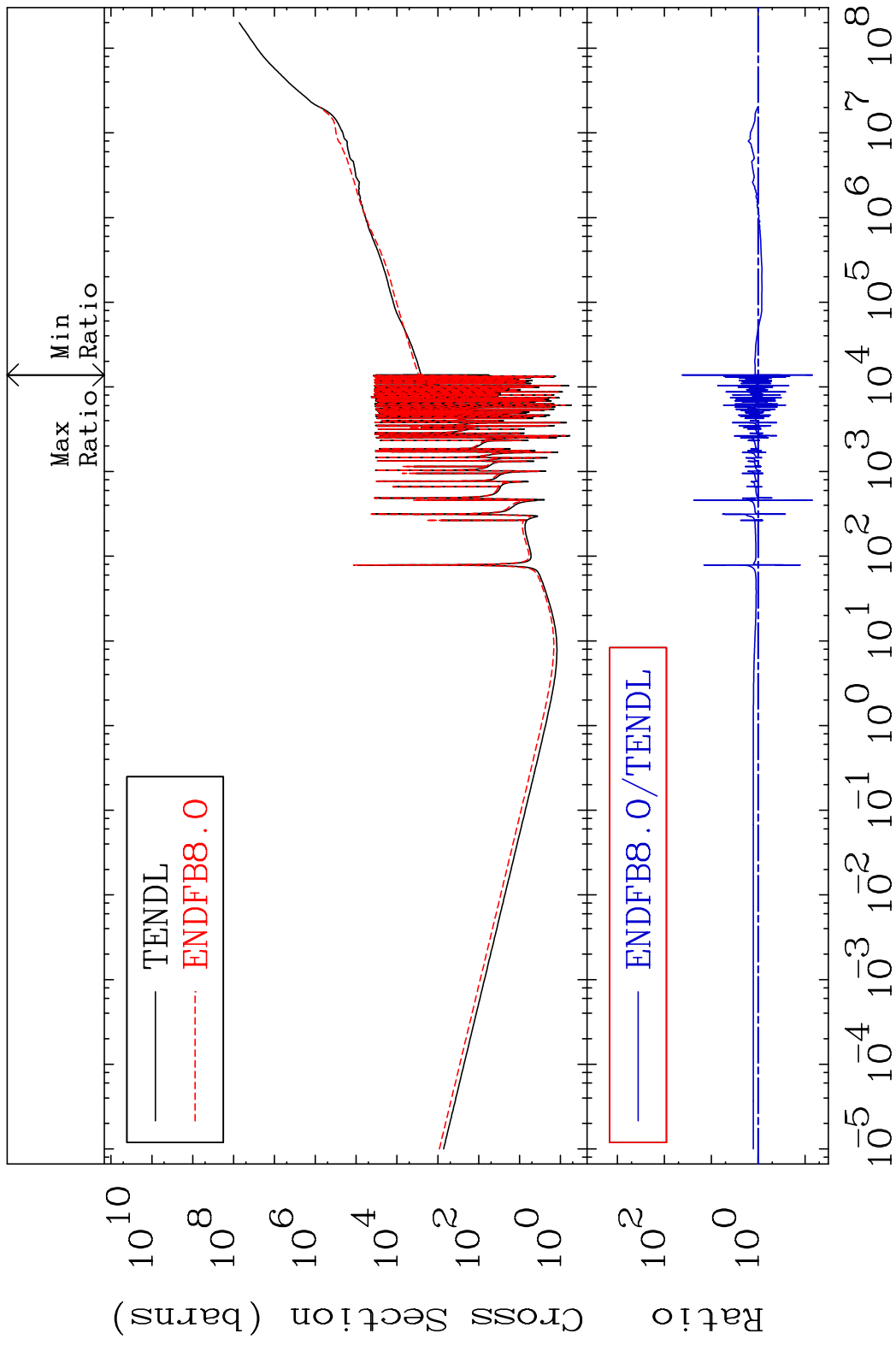
MAT 6049 Kerma capture (mt102) 60-Nd-150
 Cross Section -99.99 To 2260. %



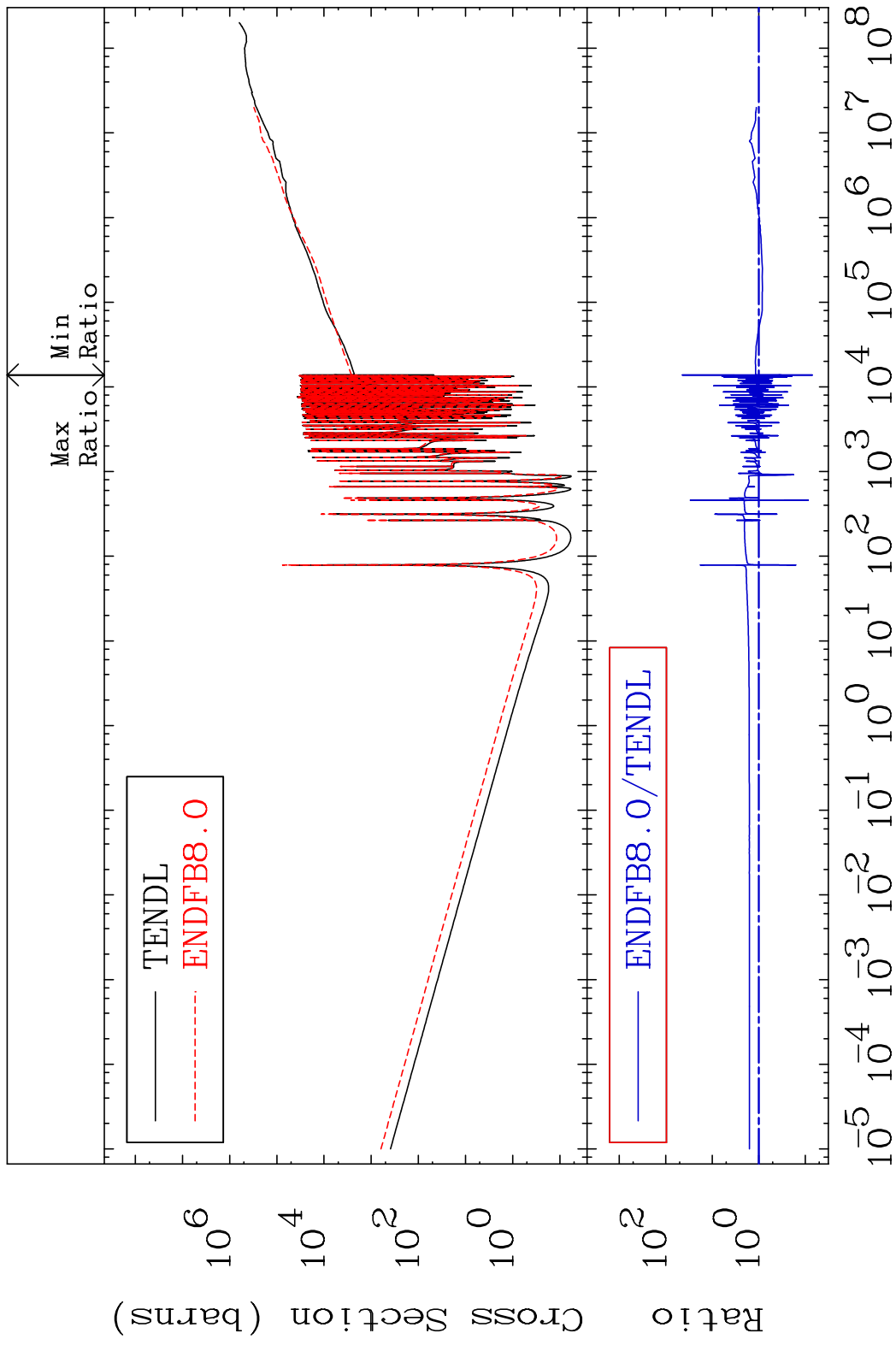
MAT 6049 Total photon (eV-barns) 60-Nd-150
 Cross Section -99.99 To 1737. %



MAT 6049 Total kinematic kerma (high limit) 60-Nd-150
 Cross Section -93.06 To 4033. %



MAT 6049 Dpa total (eV-barns) 60-Nd-150
 Cross Section -93.05 To 4280. %

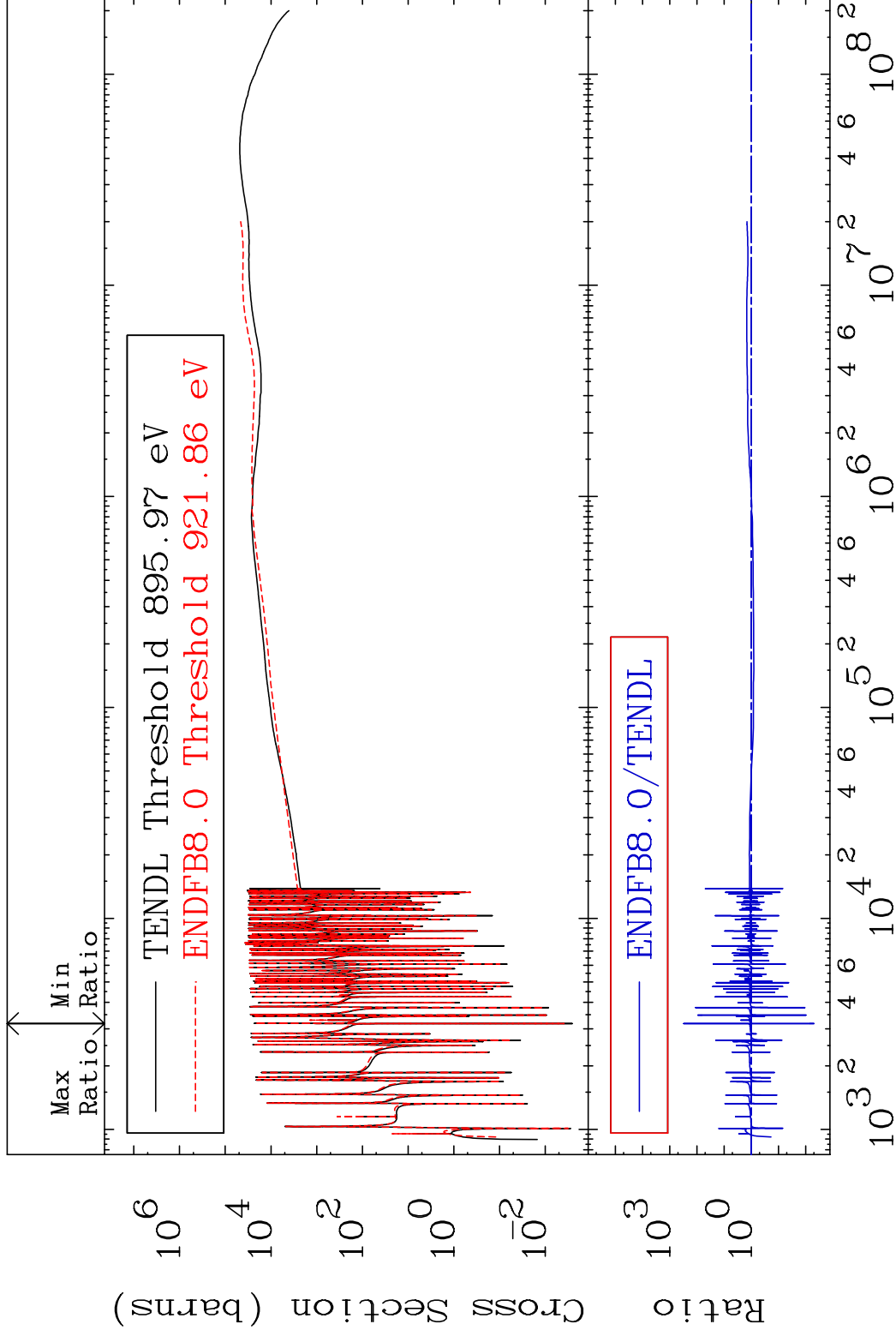


MAT 6049

Dpa elastic (mt2)

60-Nd-150

Cross Section -99.51 To 9999. %

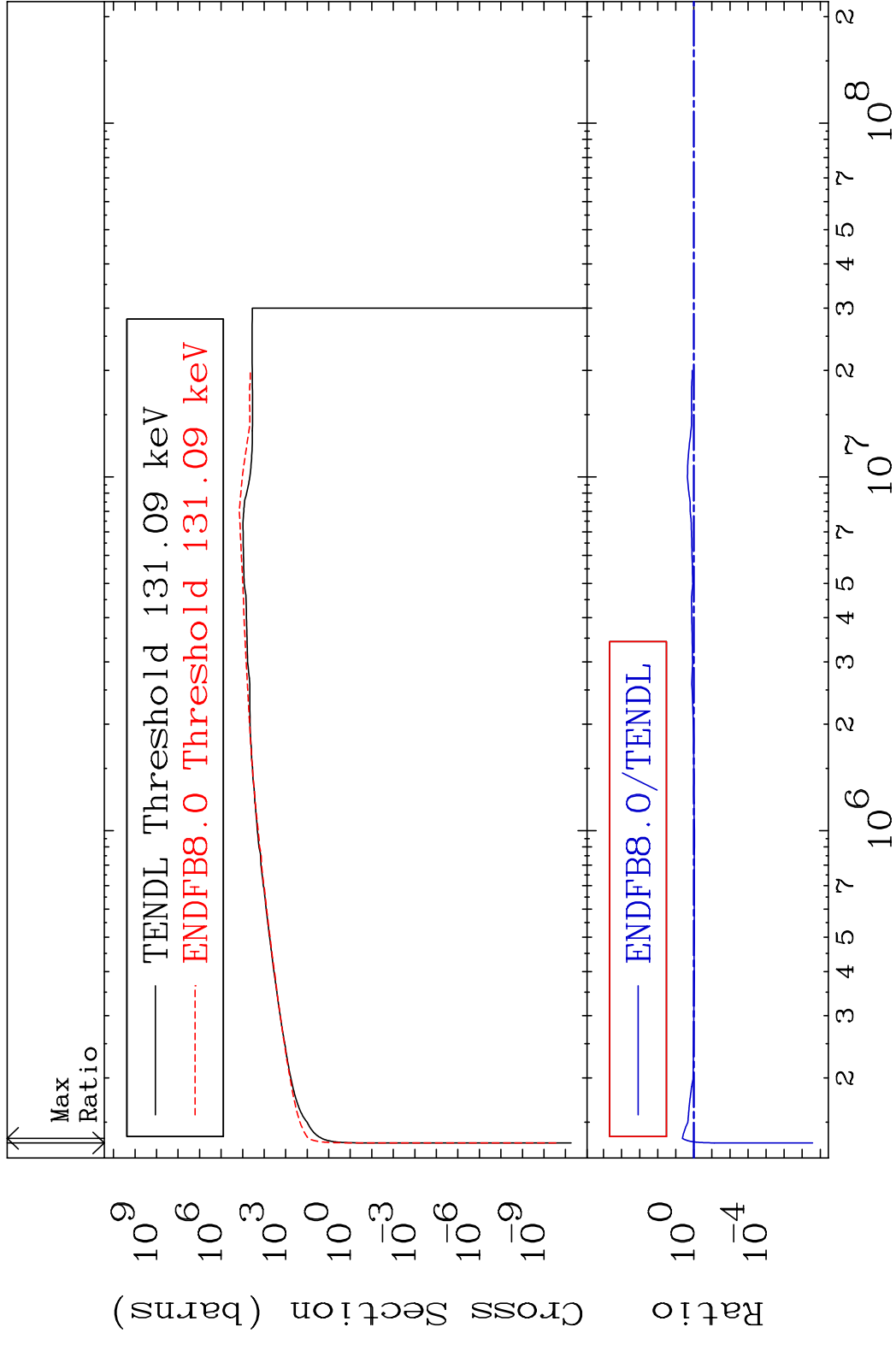


32

Incident Energy (eV)

60-Nd-150

MAT 6049 Dpa inelastic (mt51-91) 60-Nd-150
 Cross Section -100.0 To 332.0 %



MAT 6049 Dpa disappearance (mt102 -120) 60-Nd-150
 Cross Section -99.99 To 2853. %

