

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

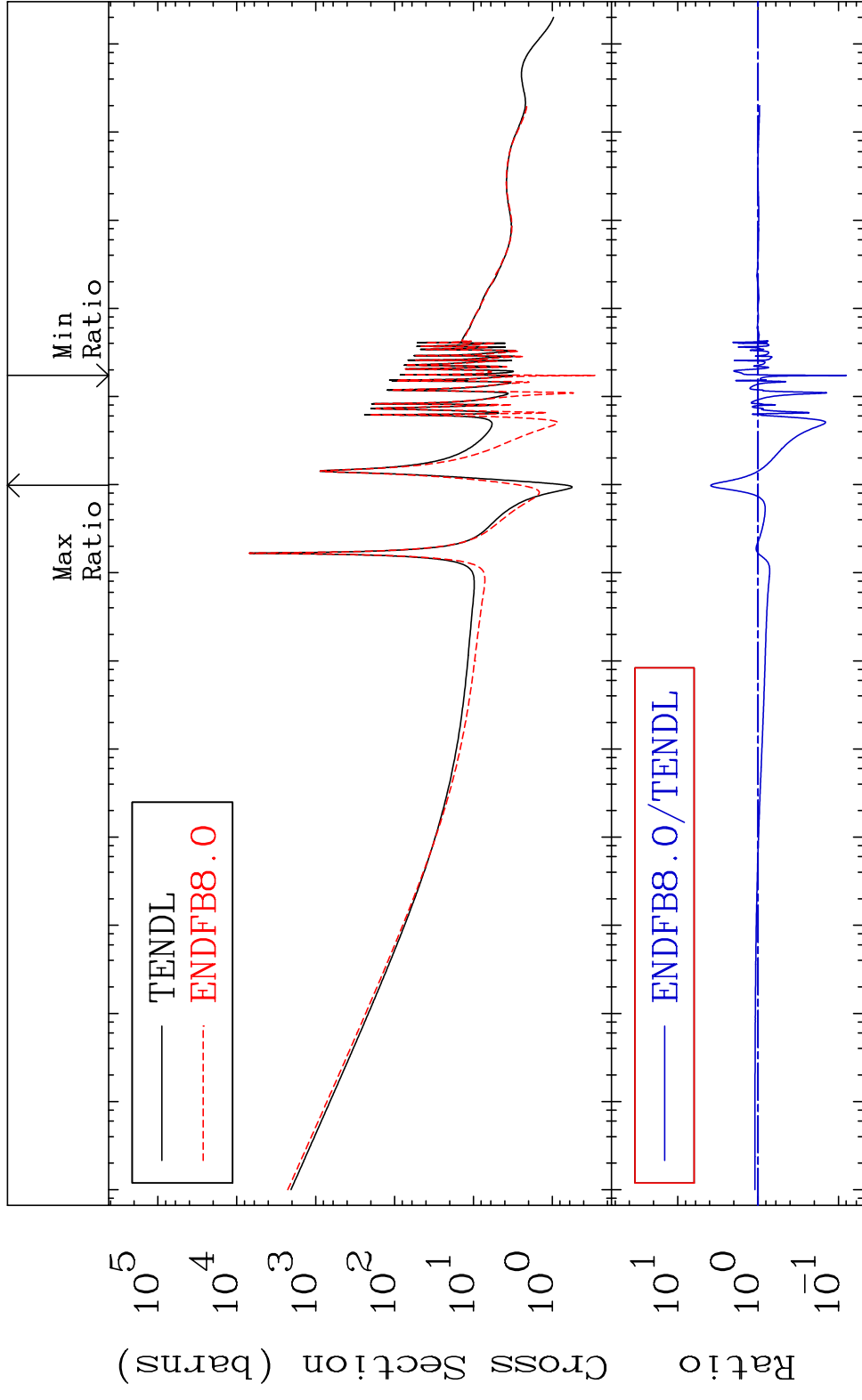
MAT 2325

Total

23-V -50

Cross Section

-92.02 To 288.3 %



1

Incident Energy (eV)

23-V -50

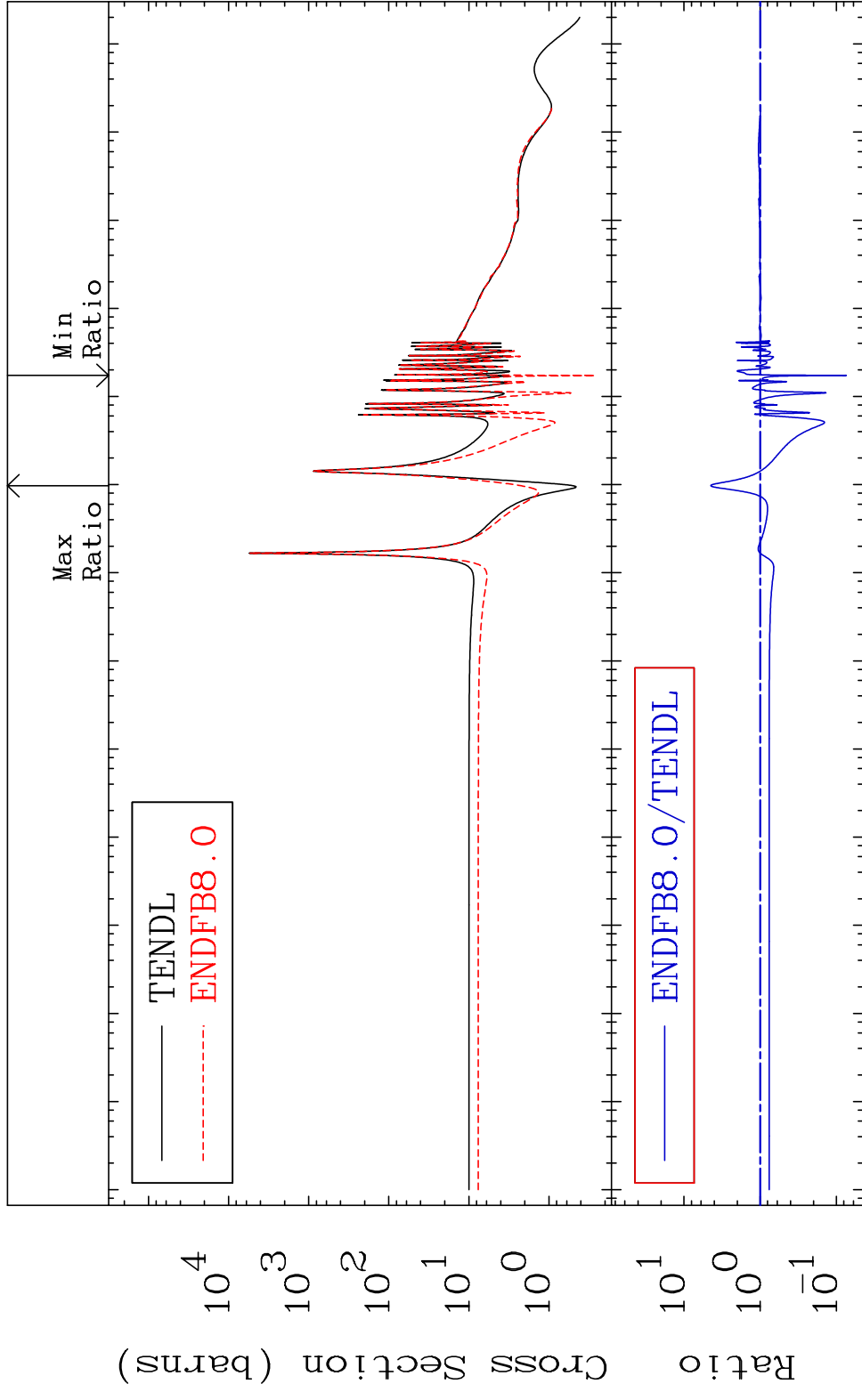
MAT 2325

Elastic

23-V -50

Cross Section

-92.57 To 346.4 %



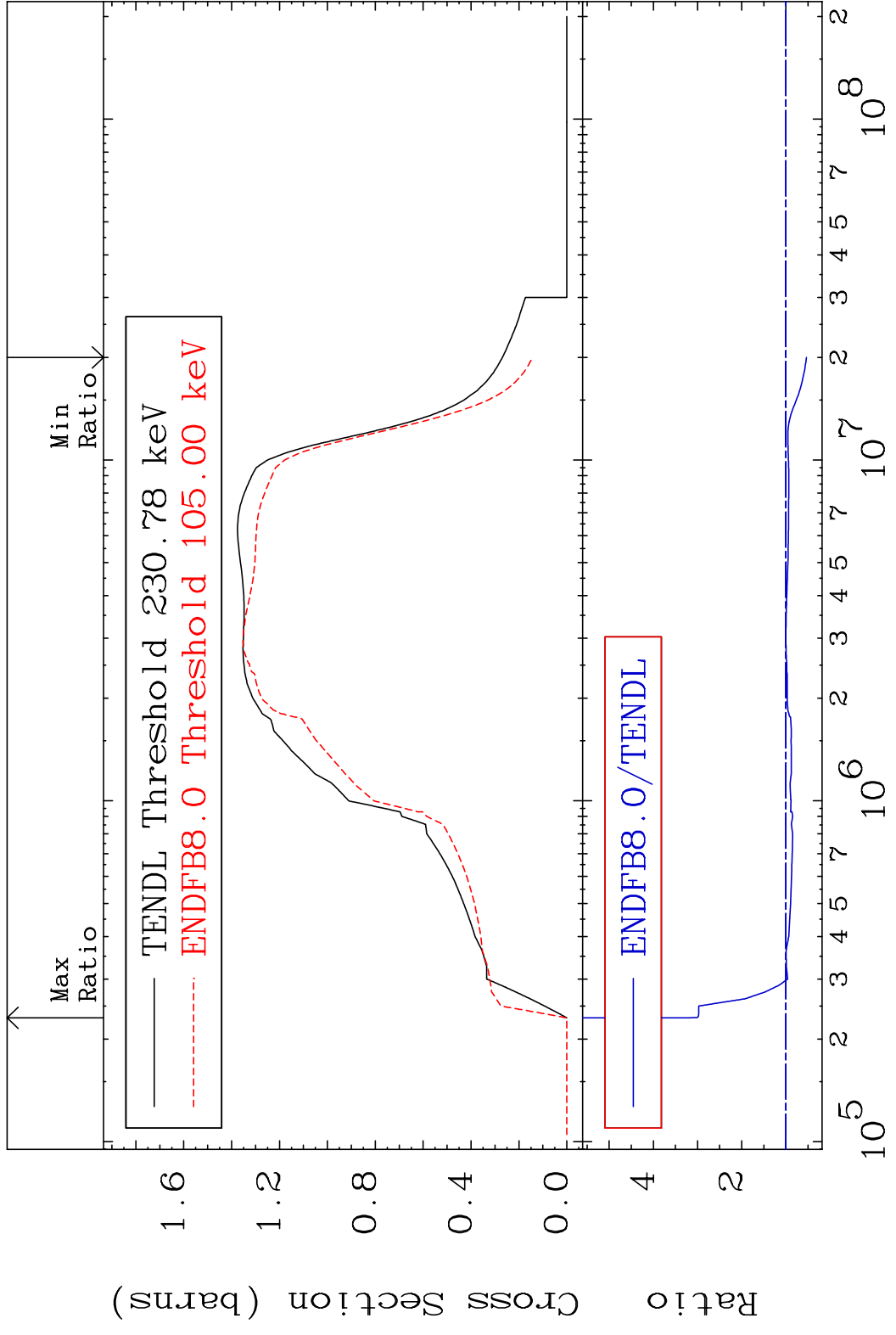
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

23-V -50

MAT 2325 Inelastic 23-V -50
 Cross Section -46.34 To 246.1 %



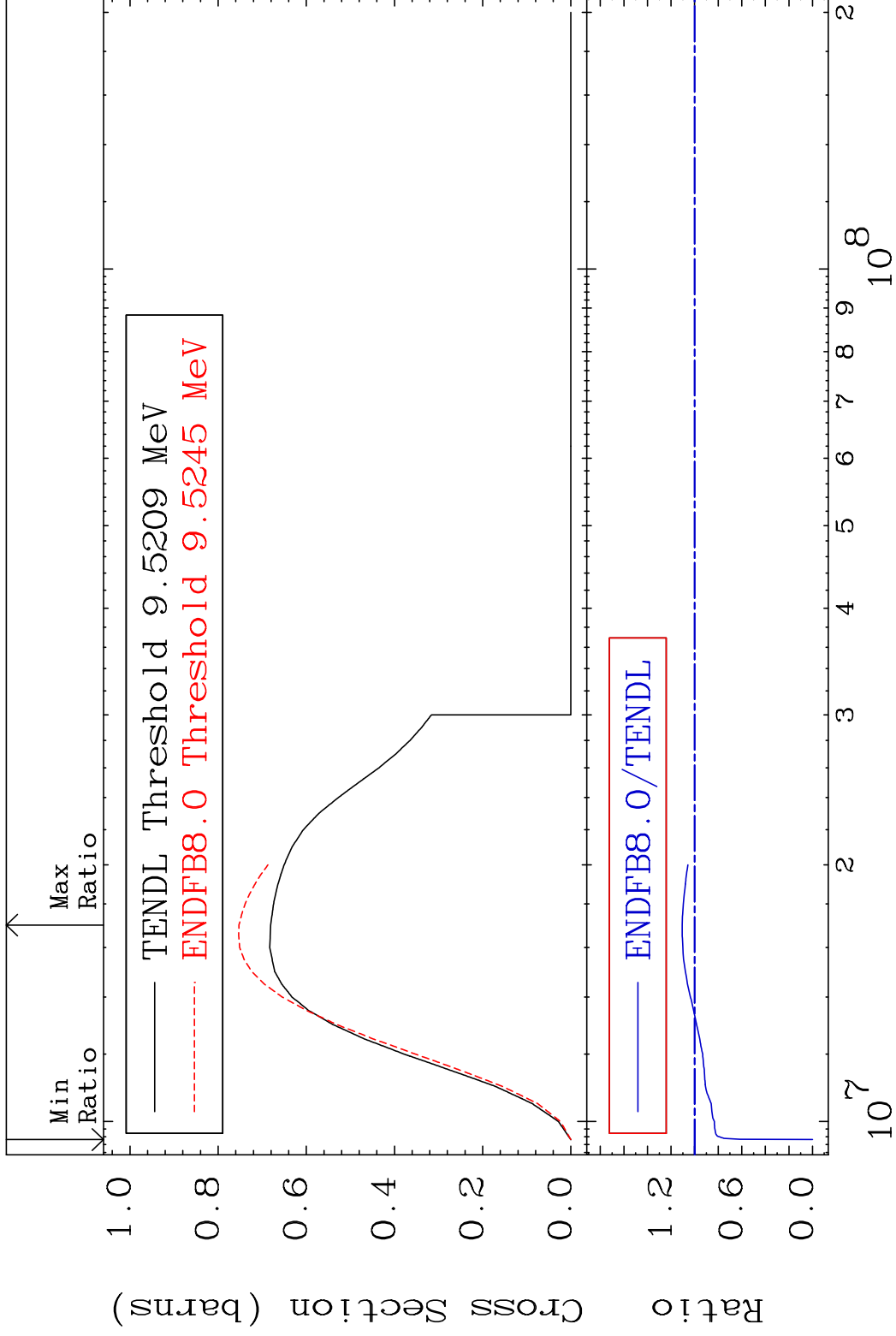
3 2 3 4 5 7 10⁶ 2 3 4 5 7 10⁷ 2 3 4 5 7 10⁸ 2
 23-V -50

MAT 2325

(n,2n)

23-V -50

Cross Section -100.0 To 10.58 %

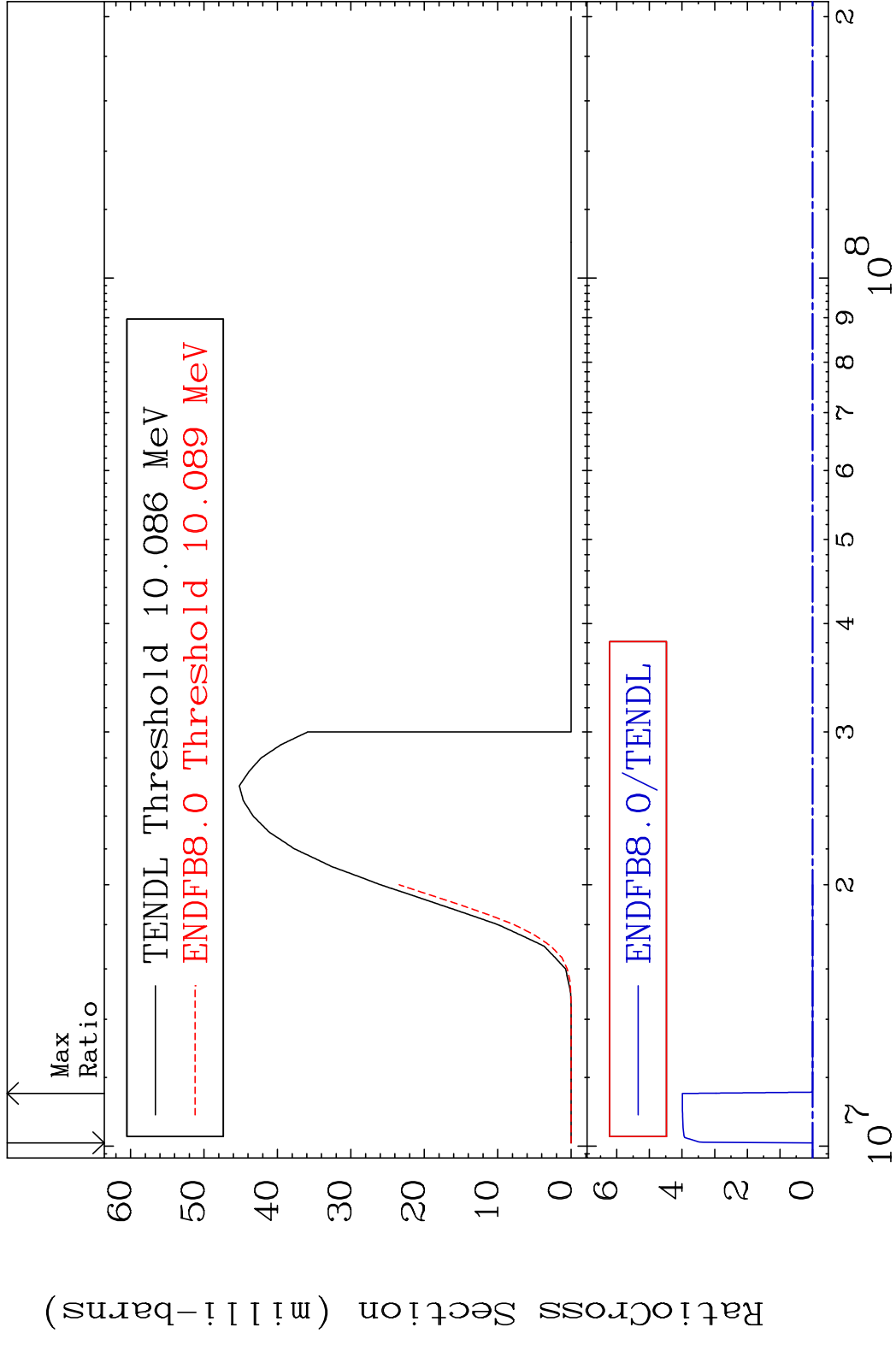


4

Incident Energy (eV)

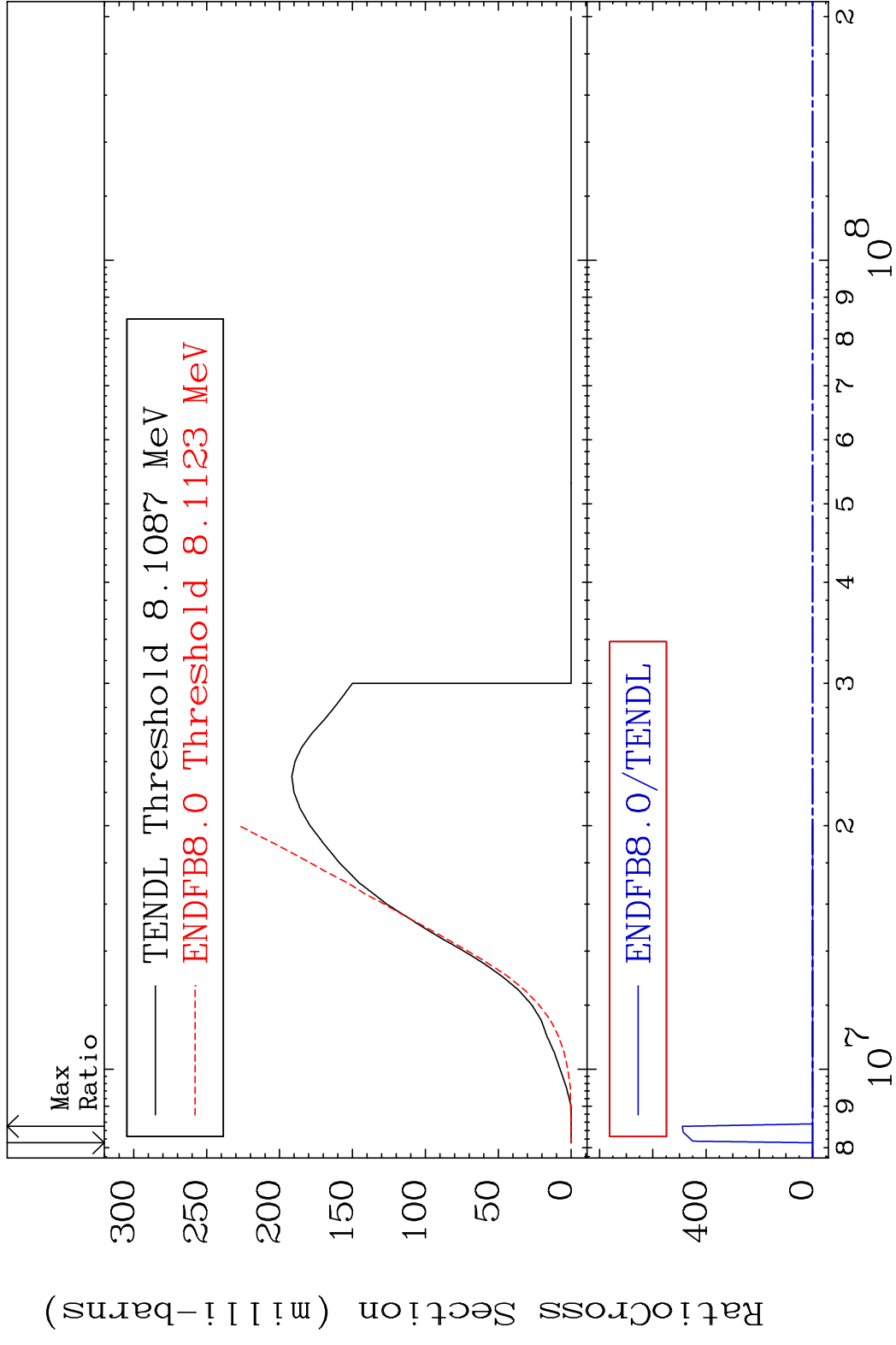
23-V -50

MAT 2325 (n, n') α 23-V -50
 Cross Section -100.0 To 9999. %



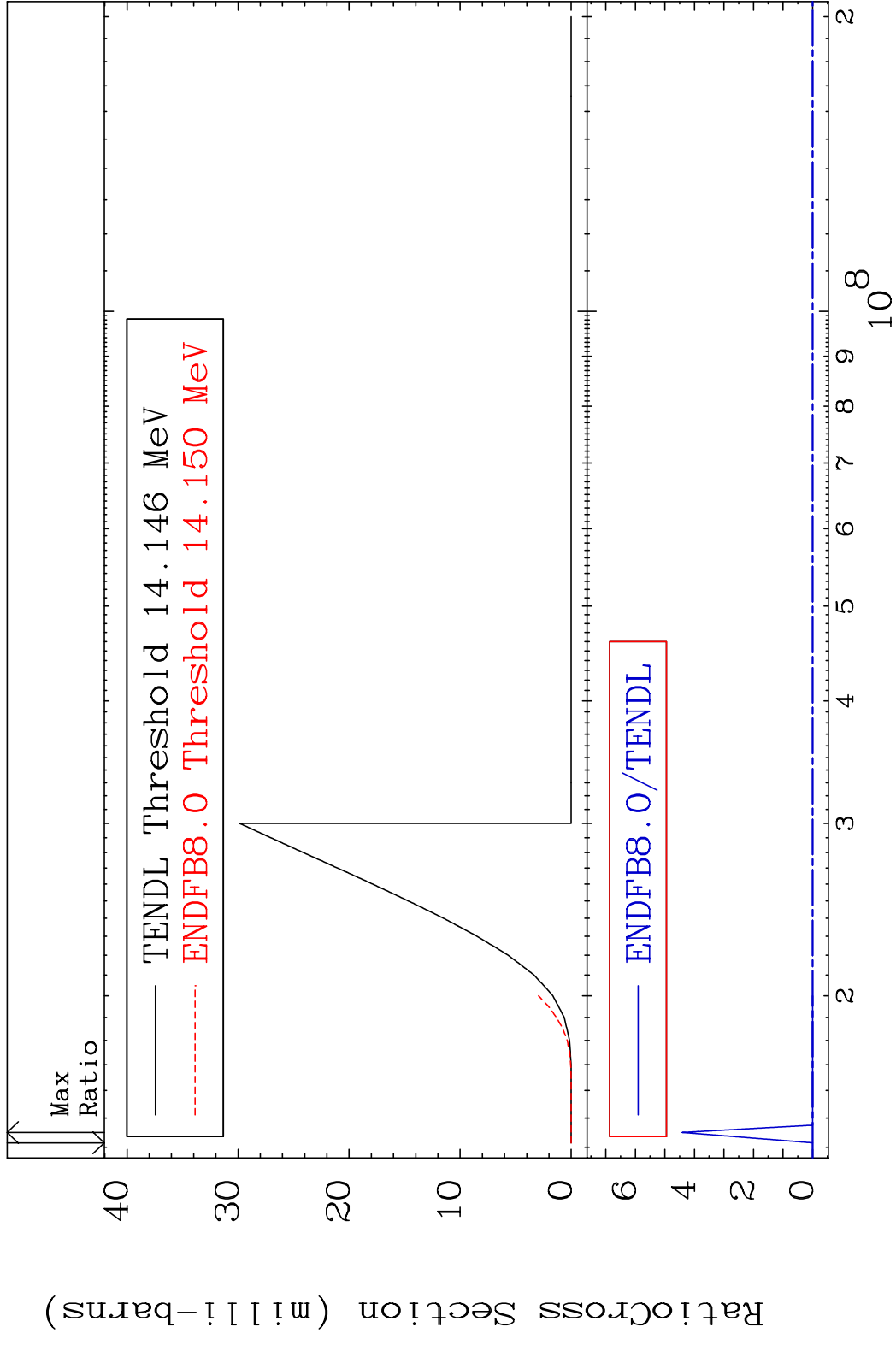
5 Incident Energy (eV) 23-V -50

MAT 2325 (n, n') p 23-V -50
 Cross Section -100.0 To 9999. %

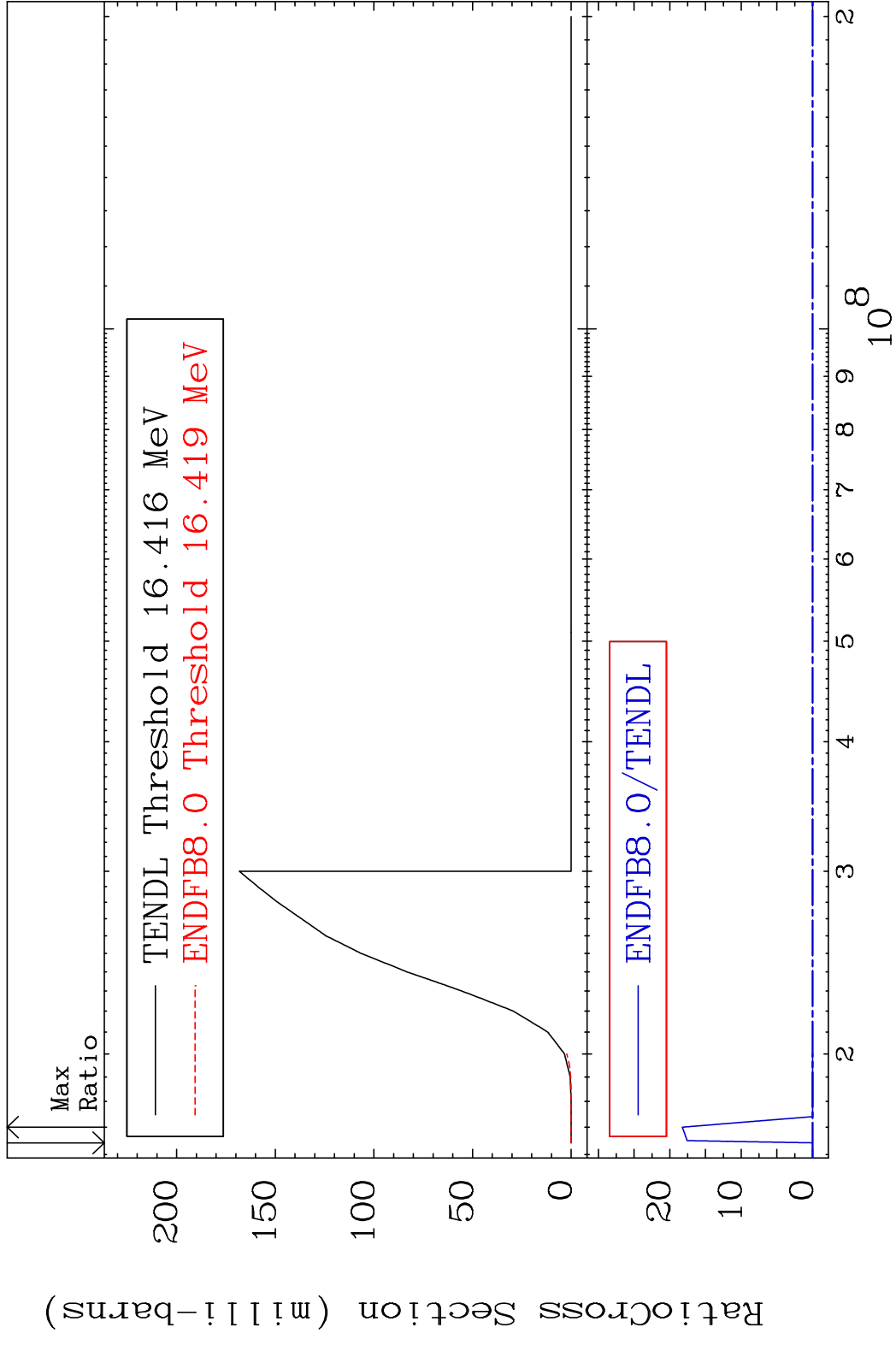


6 8 9 23-V -50

MAT 2325 (n, n') d 23-V -50
 Cross Section -100.0 To 9999. %

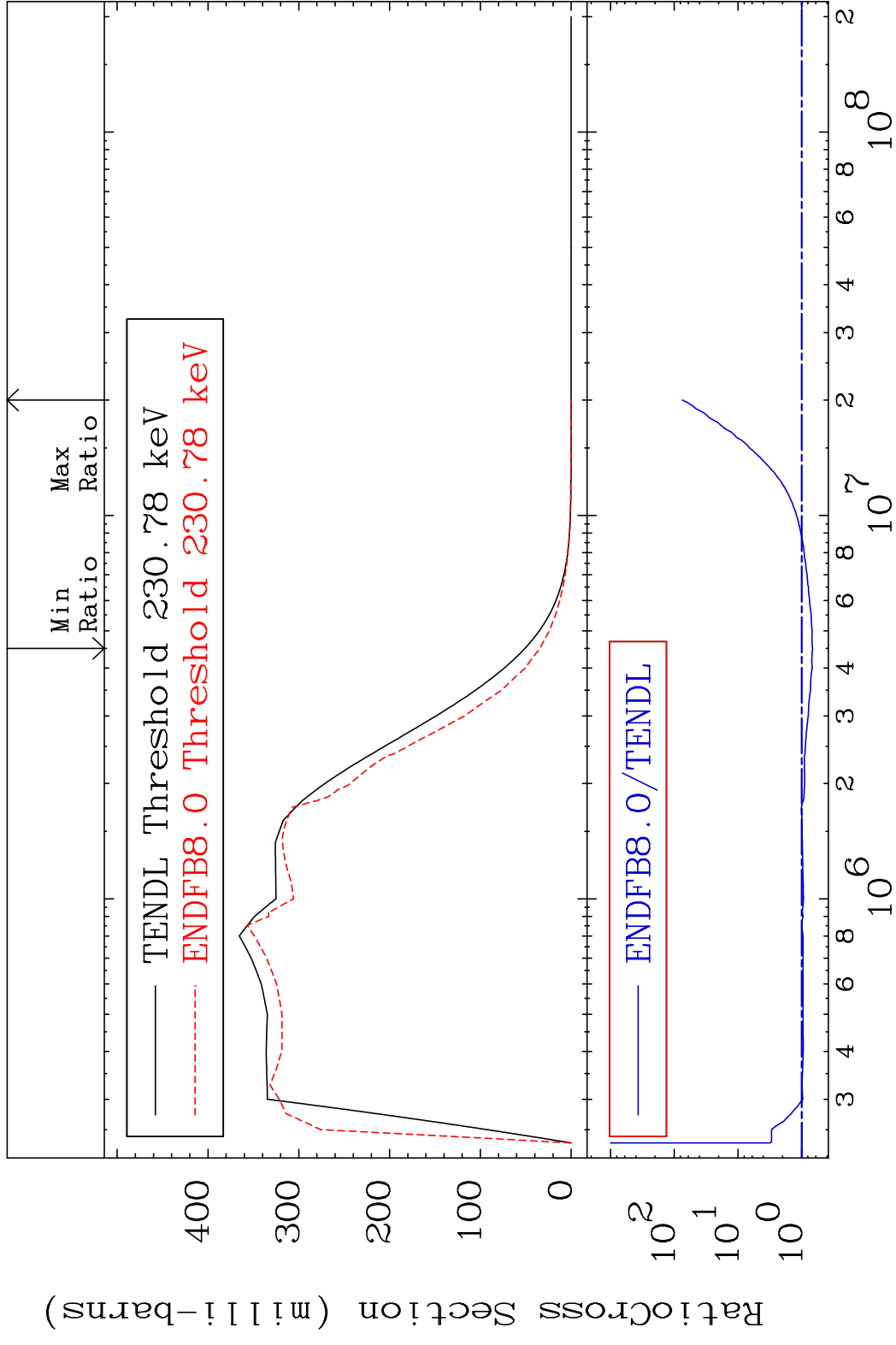


MAT 2325 (n,2n) p 23-V -50
 Cross Section -100.0 To 9999. %

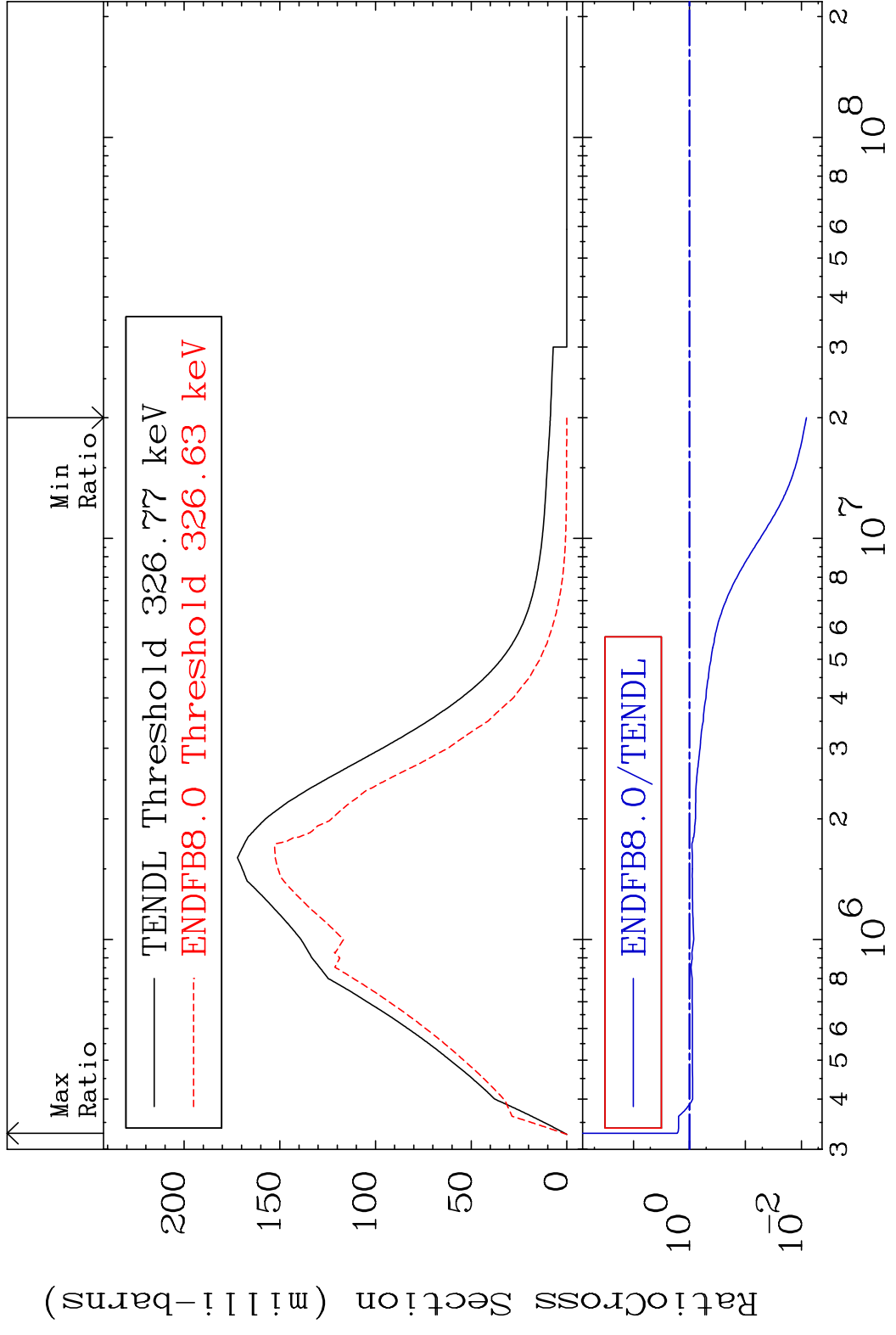


8 Incident Energy (eV) 23-V -50

MAT 2325 MT= 51 (n,n') Level 23-V -50
 Cross Section -32.43 To 7350. %

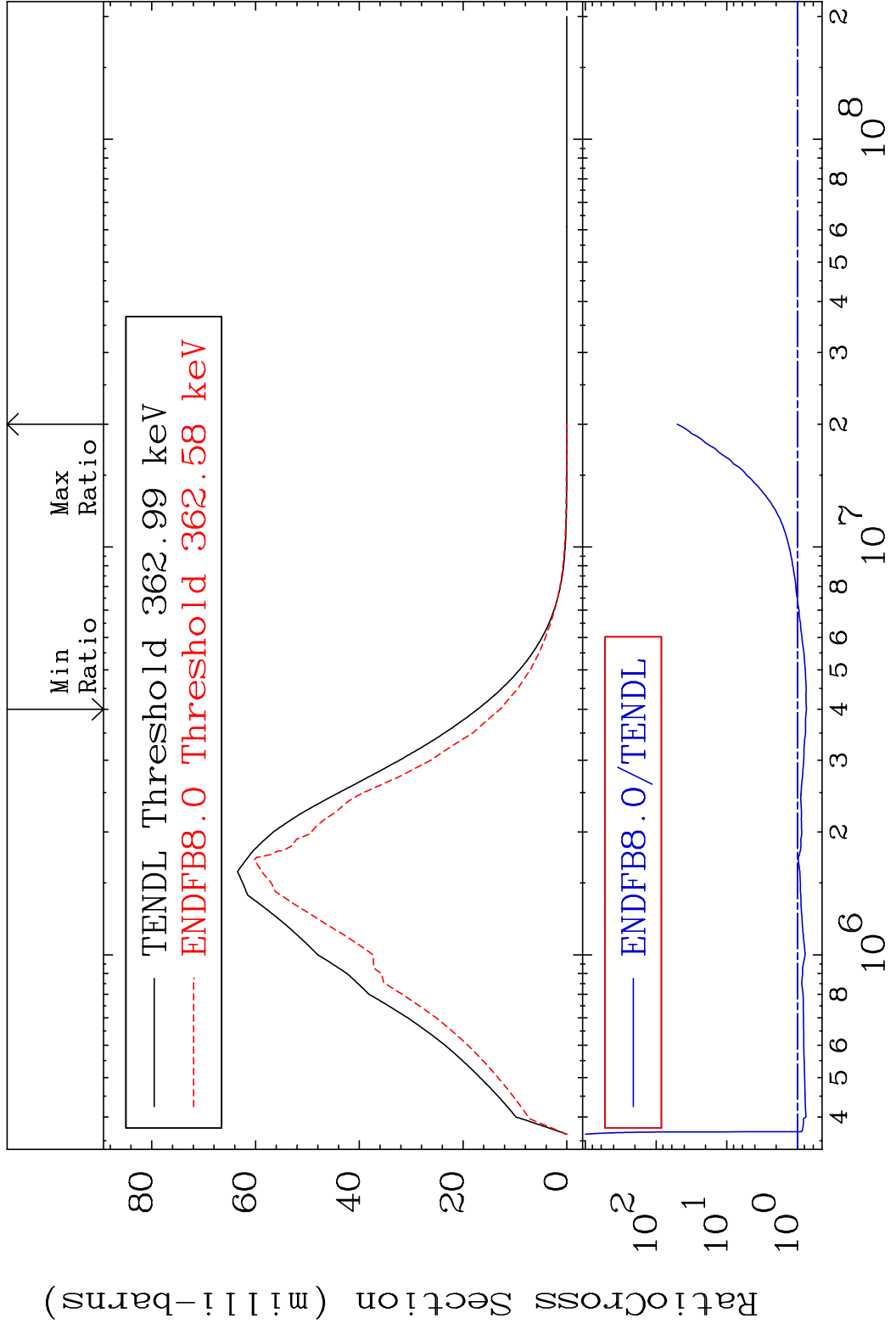


MAT 2325 MT= 52 (n,n') Level 23-V -50
 Cross Section -99.19 To 65.51 %

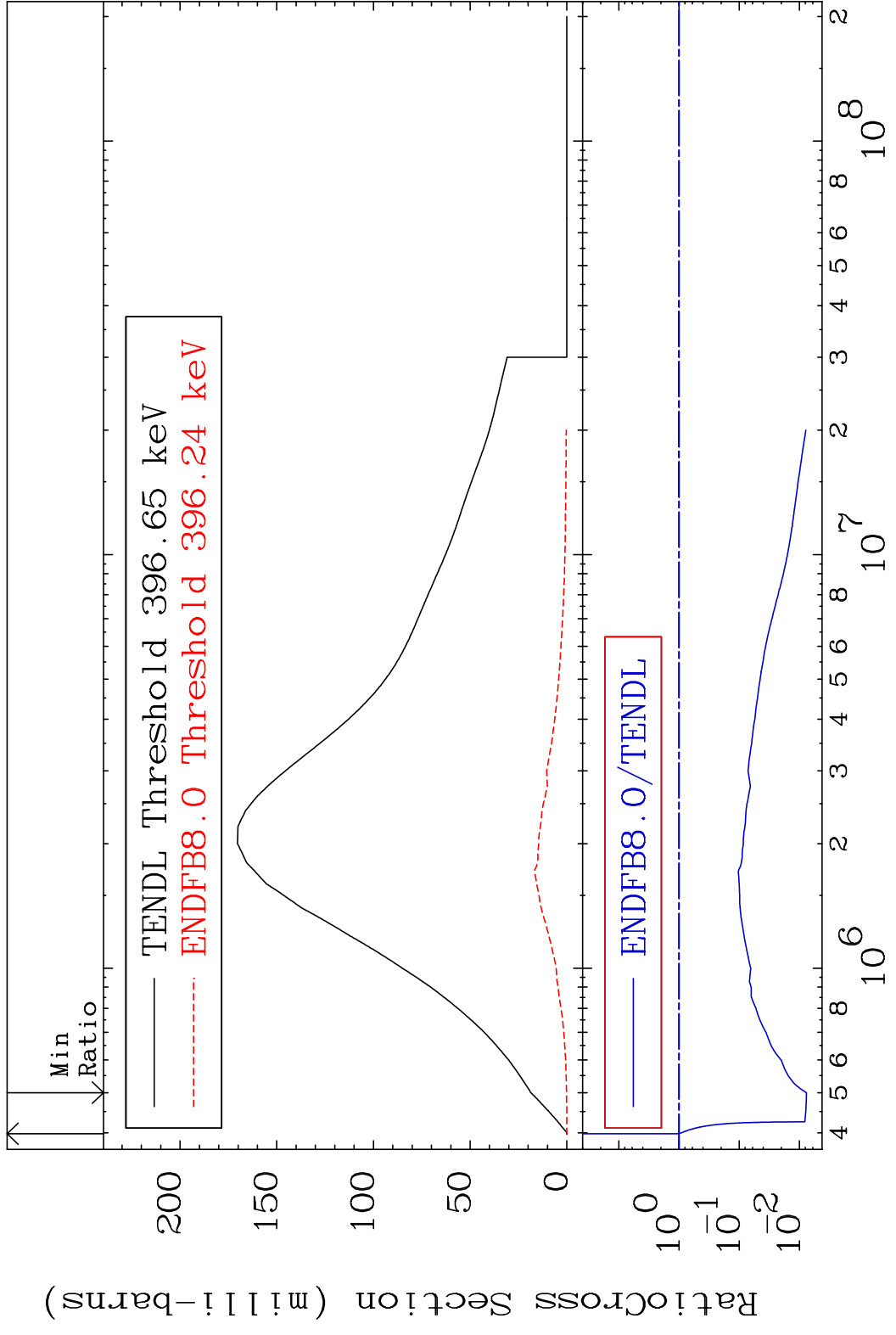


10 Incident Energy (eV) 23-V -50

MAT 2325 MT= 53 (n,n') Level 23-V -50
 Cross Section -25.28 To 4933. %

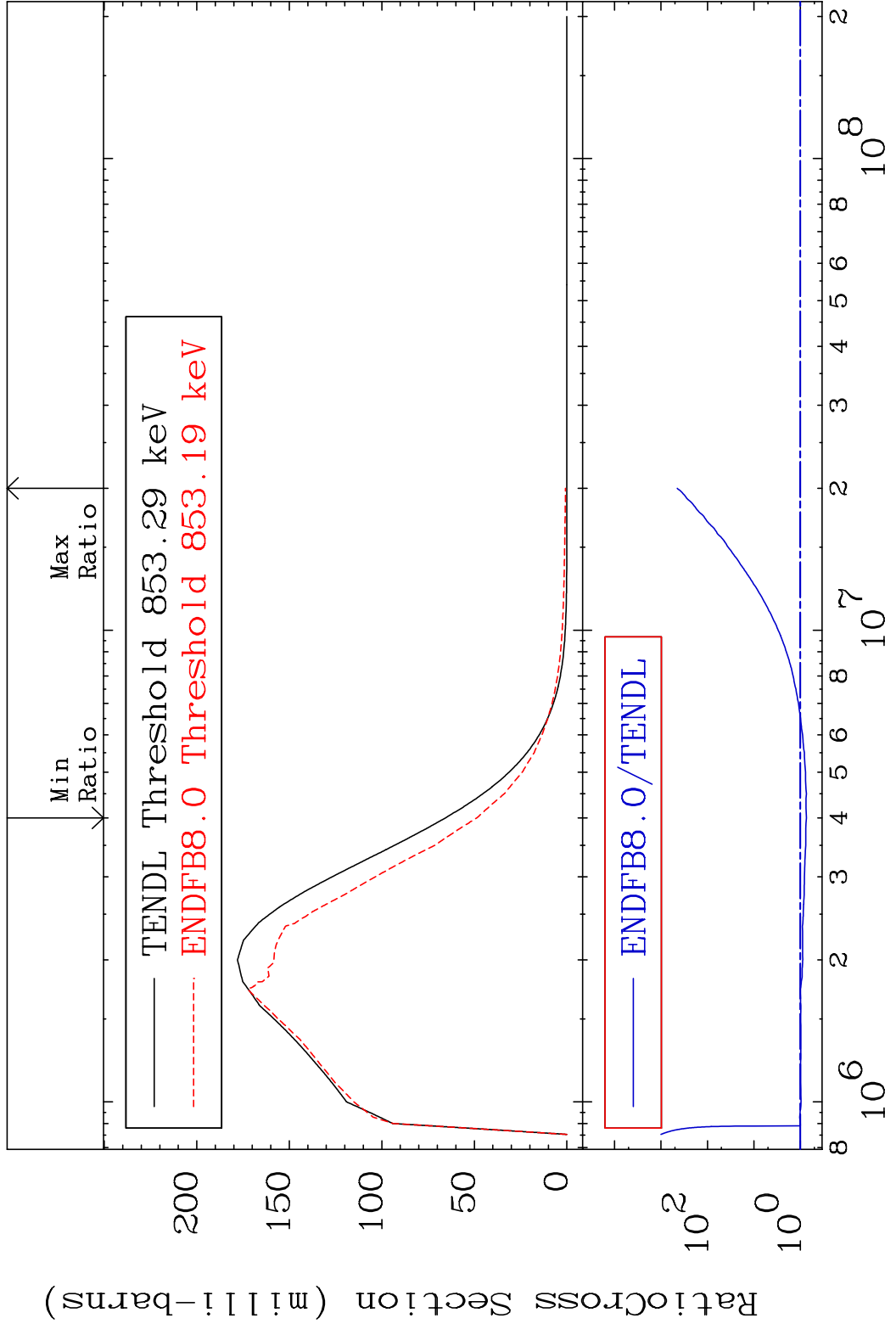


MAT 2325 MT= 54 (n,n') Level 23-V -50
 Cross Section -99.23 To 7.394 %



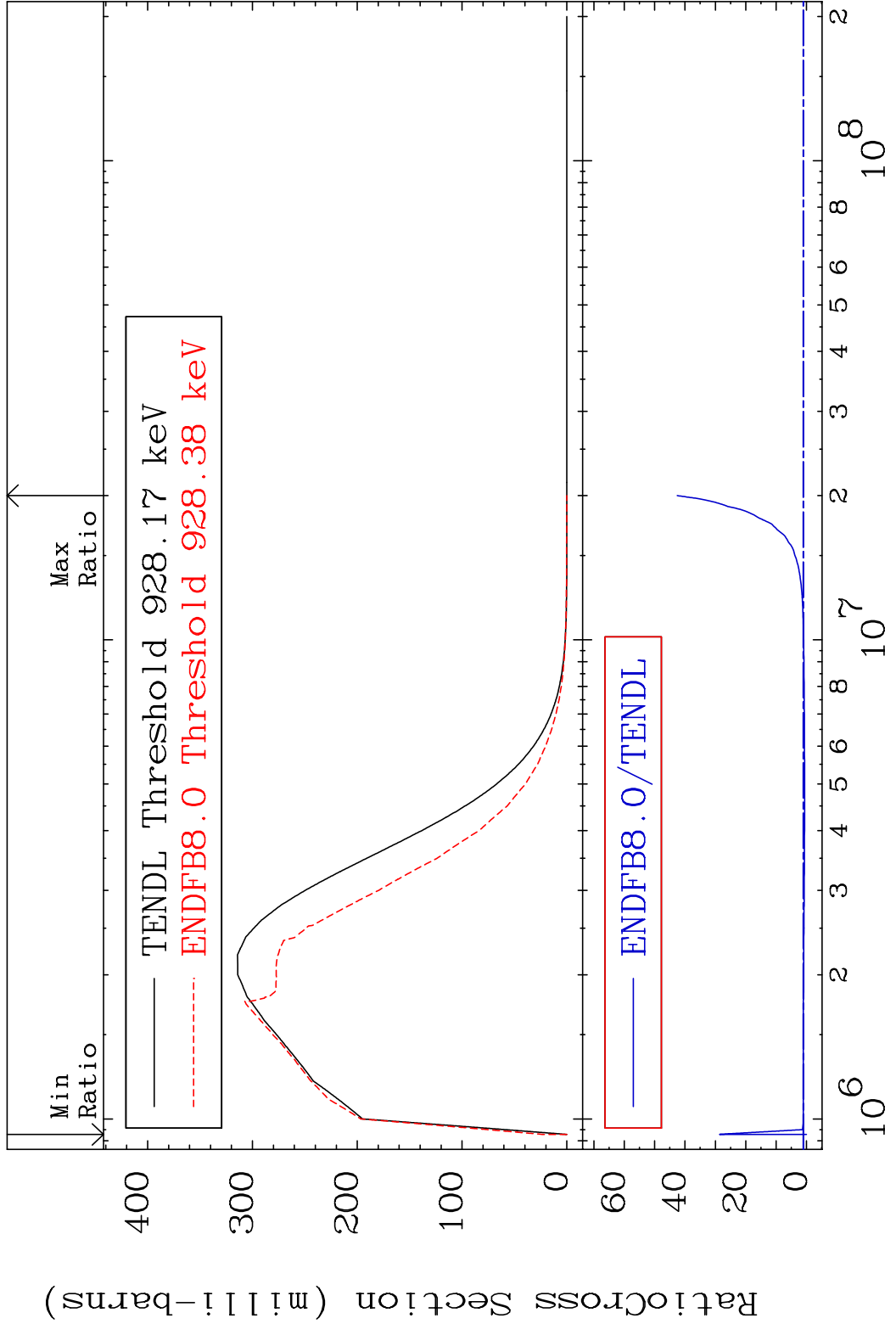
12 Incident Energy (eV) 23-V -50

MAT 2325 MT= 55 (n, n') Level 23-V -50
 Cross Section -25.83 To 9999. %



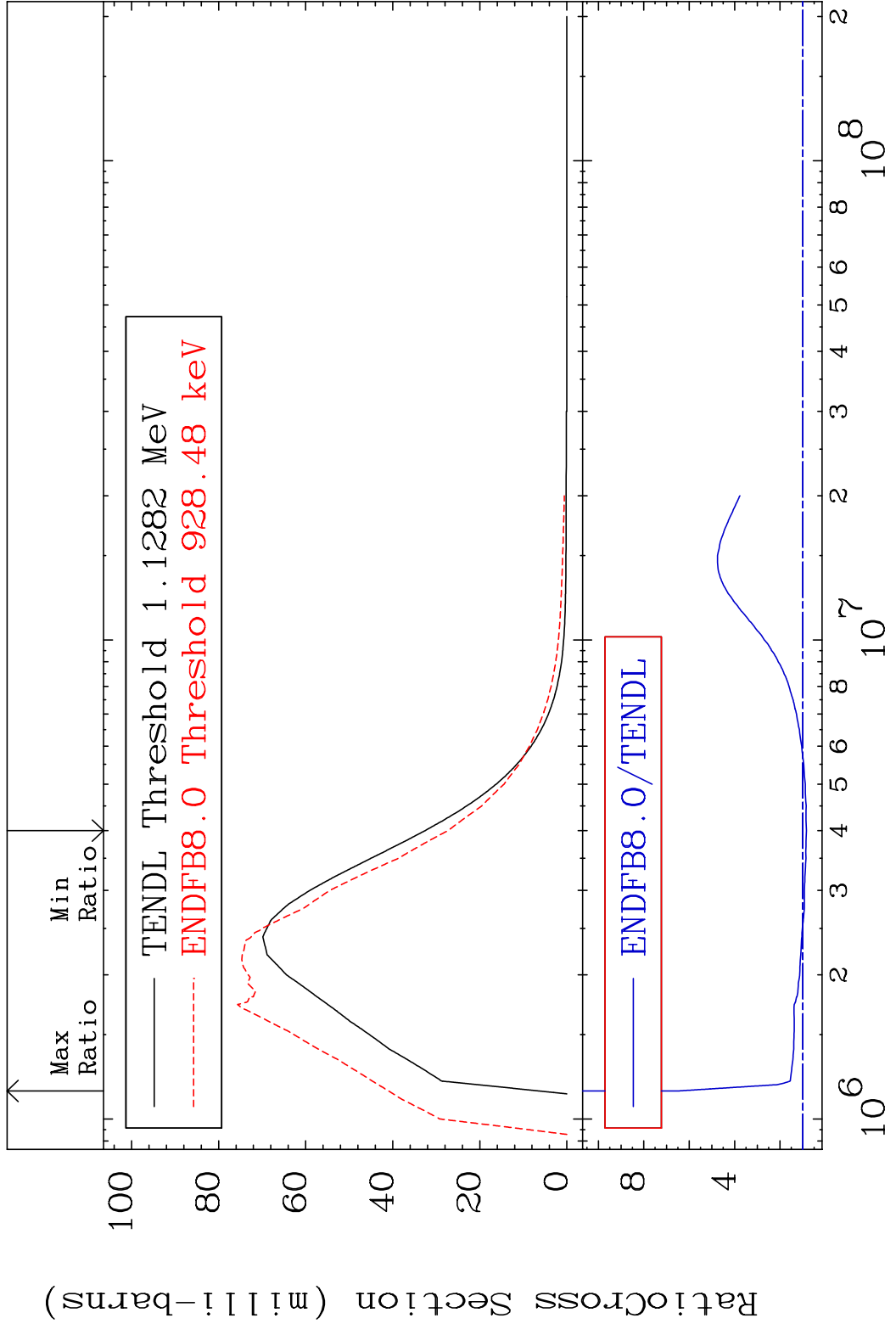
13 Incident Energy (eV) 23-V -50

MAT 2325 MT= 56 (n, n') Level 23-V -50
 Cross Section -100.0 To 4158. %



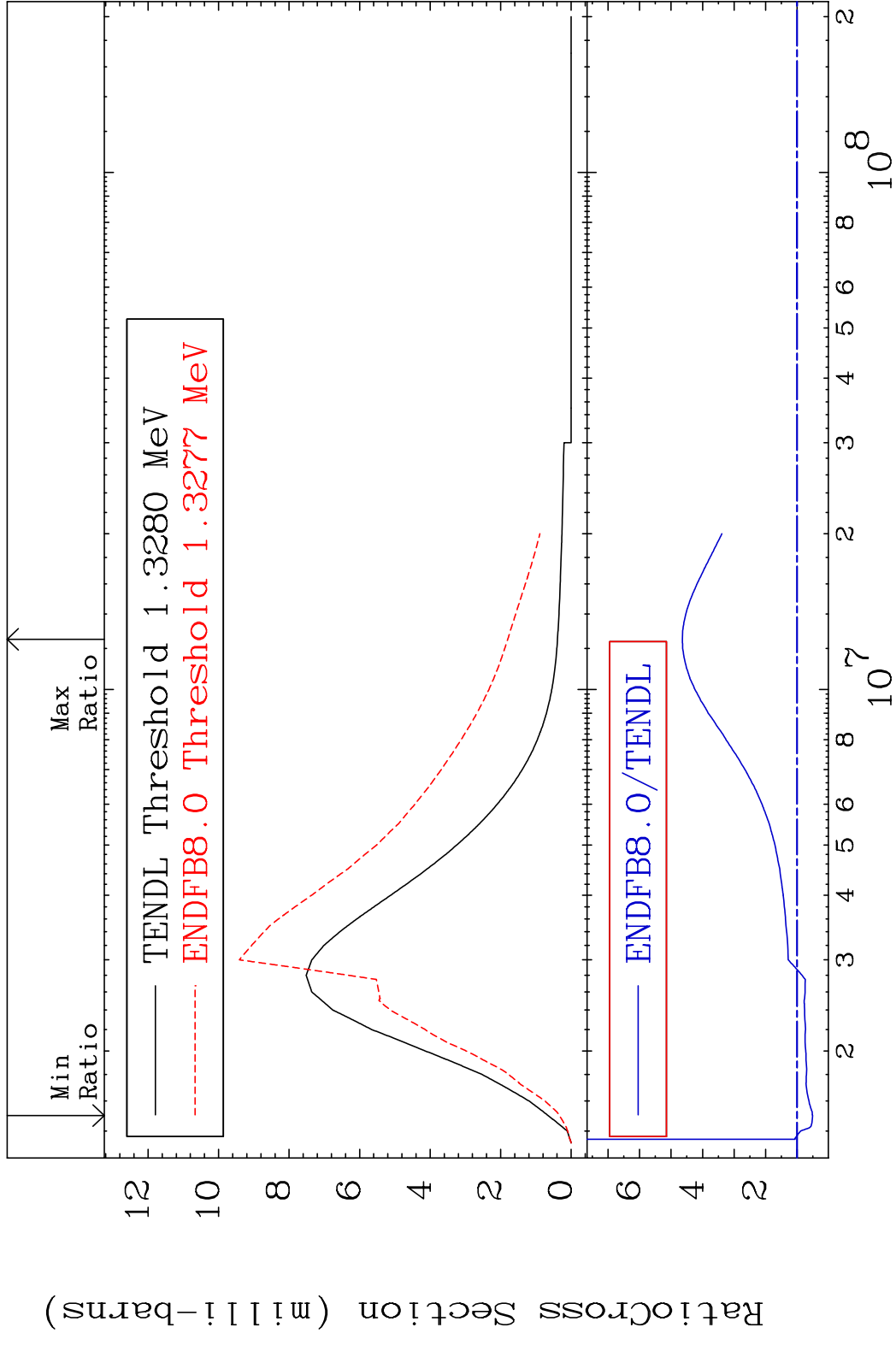
14 Incident Energy (eV) 23-V -50

MAT 2325 MT= 57 (n,n') Level 23-V -50
 Cross Section -16.18 To 552.9 %

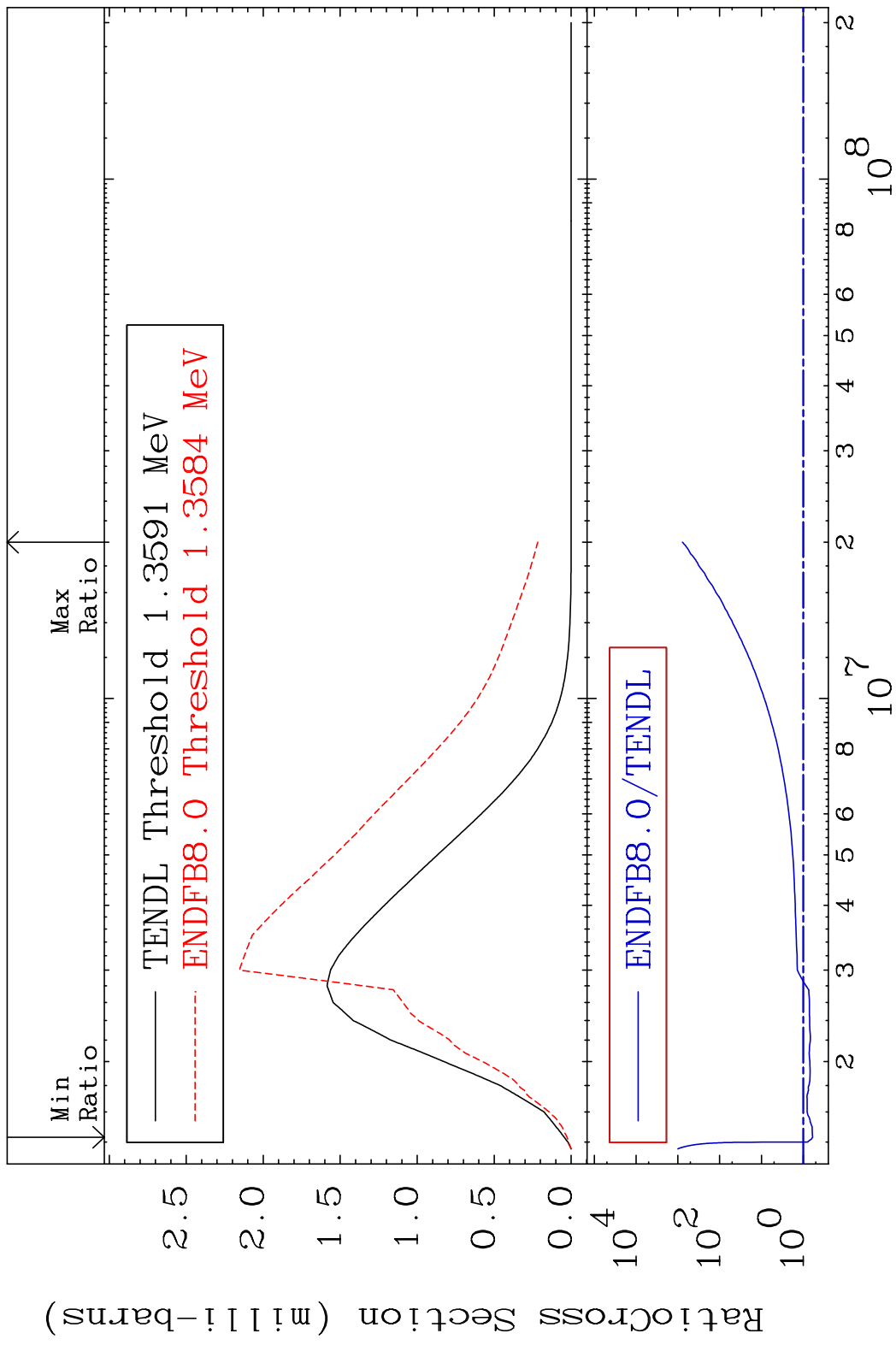


15 Incident Energy (eV) 23-V -50

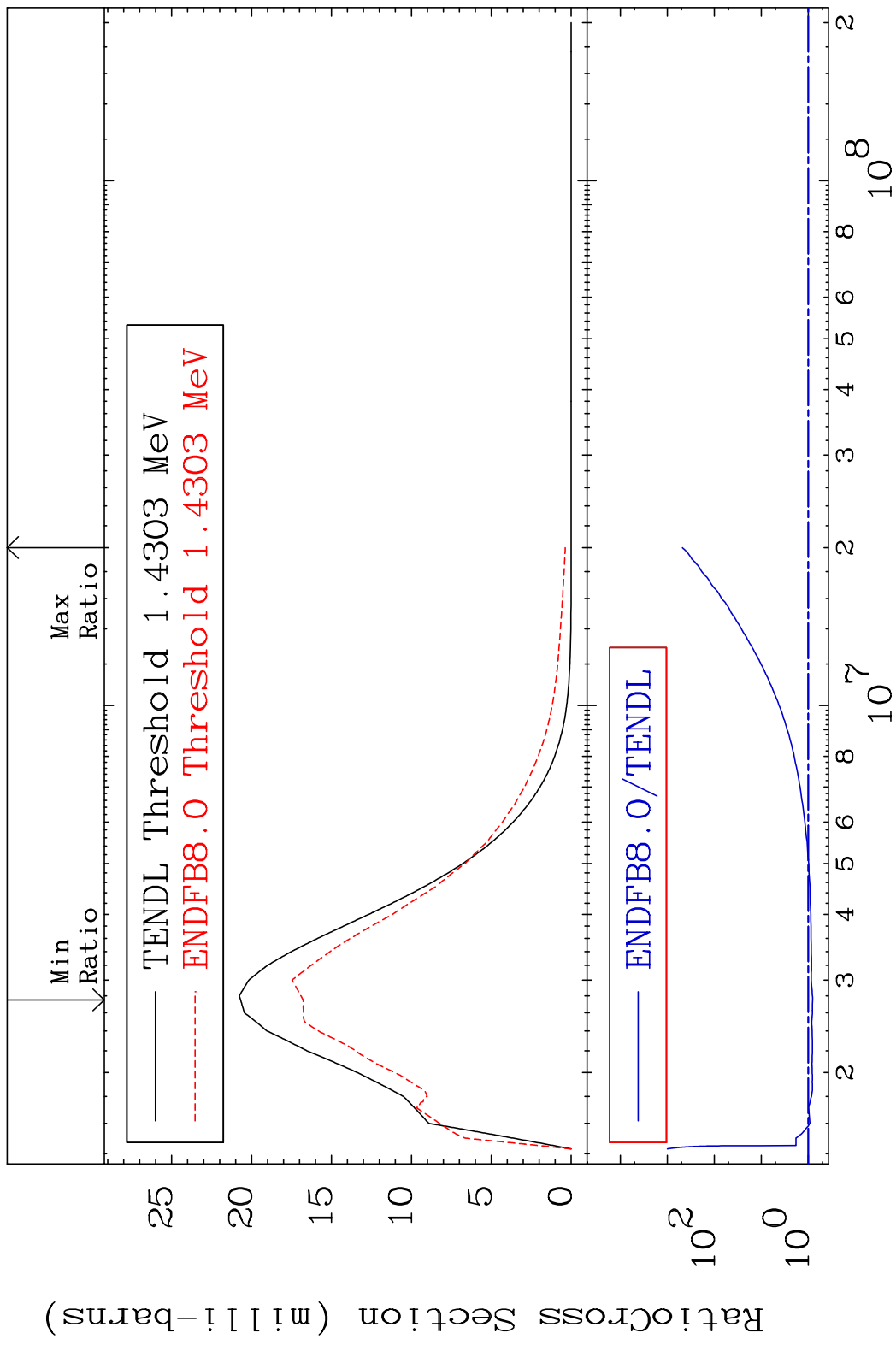
MAT 2325 MT= 58 (n, n') Level 23-V -50
 Cross Section -49.39 To 364.2 %



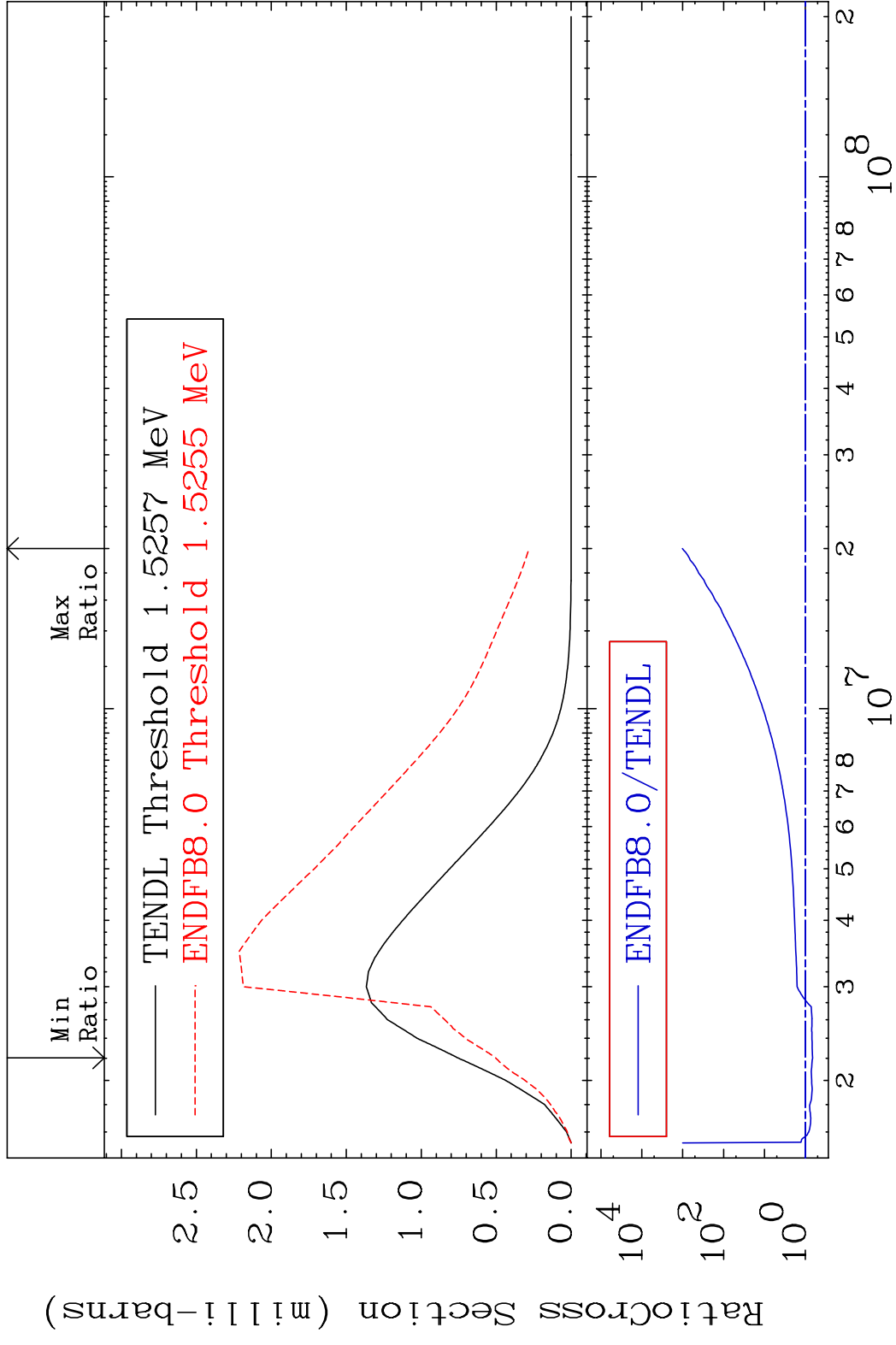
MAT 2325 MT= 59 (n, n') Level 23-V -50
 Cross Section -40.35 To 9999. %



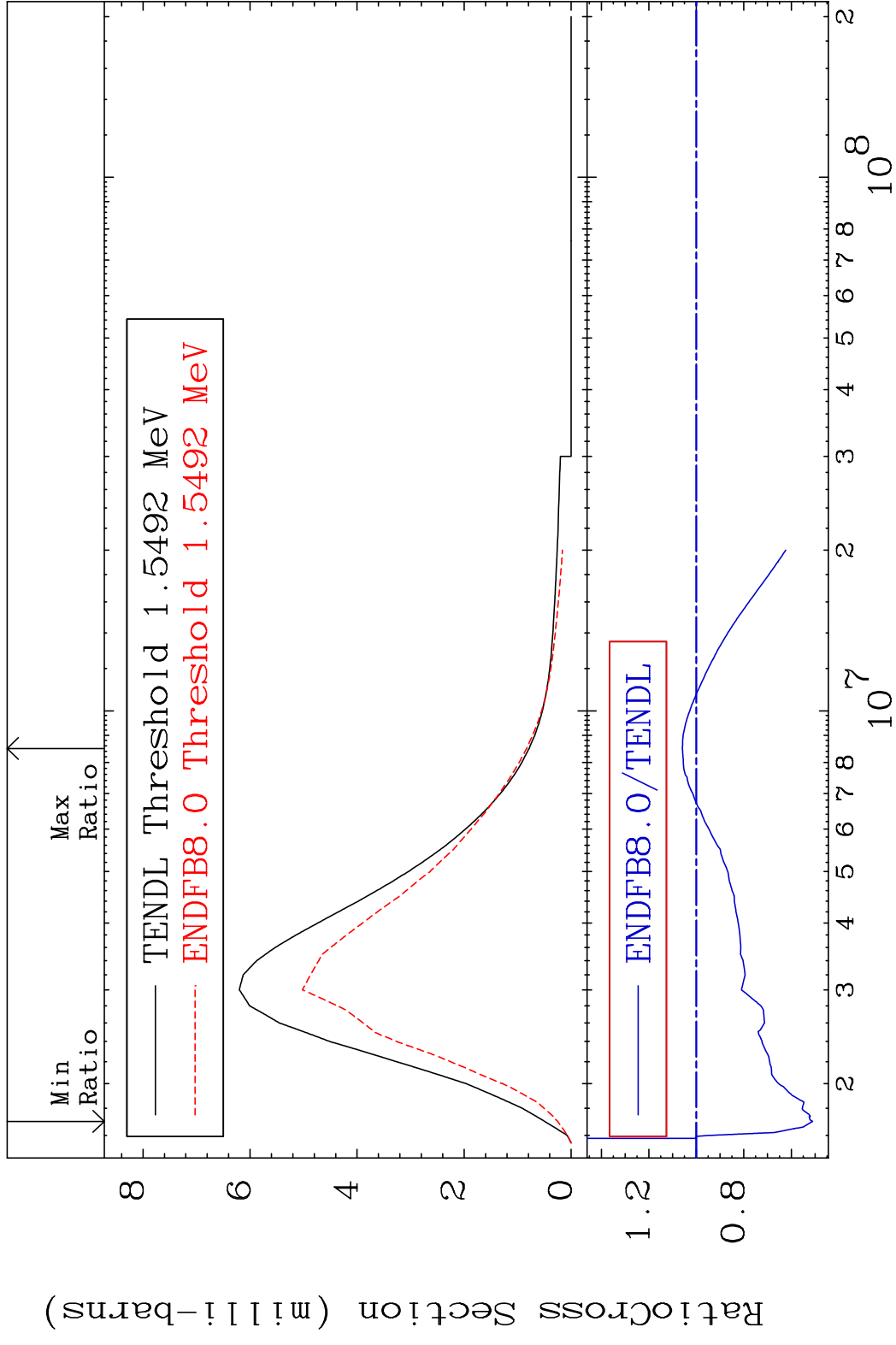
MAT 2325 MT= 60 (n,n') Level 23-V -50
 Cross Section -18.91 To 9999. %



MAT 2325 MT= 61 (n, n') Level 23-V -50
 Cross Section -33.35 To 9999. %

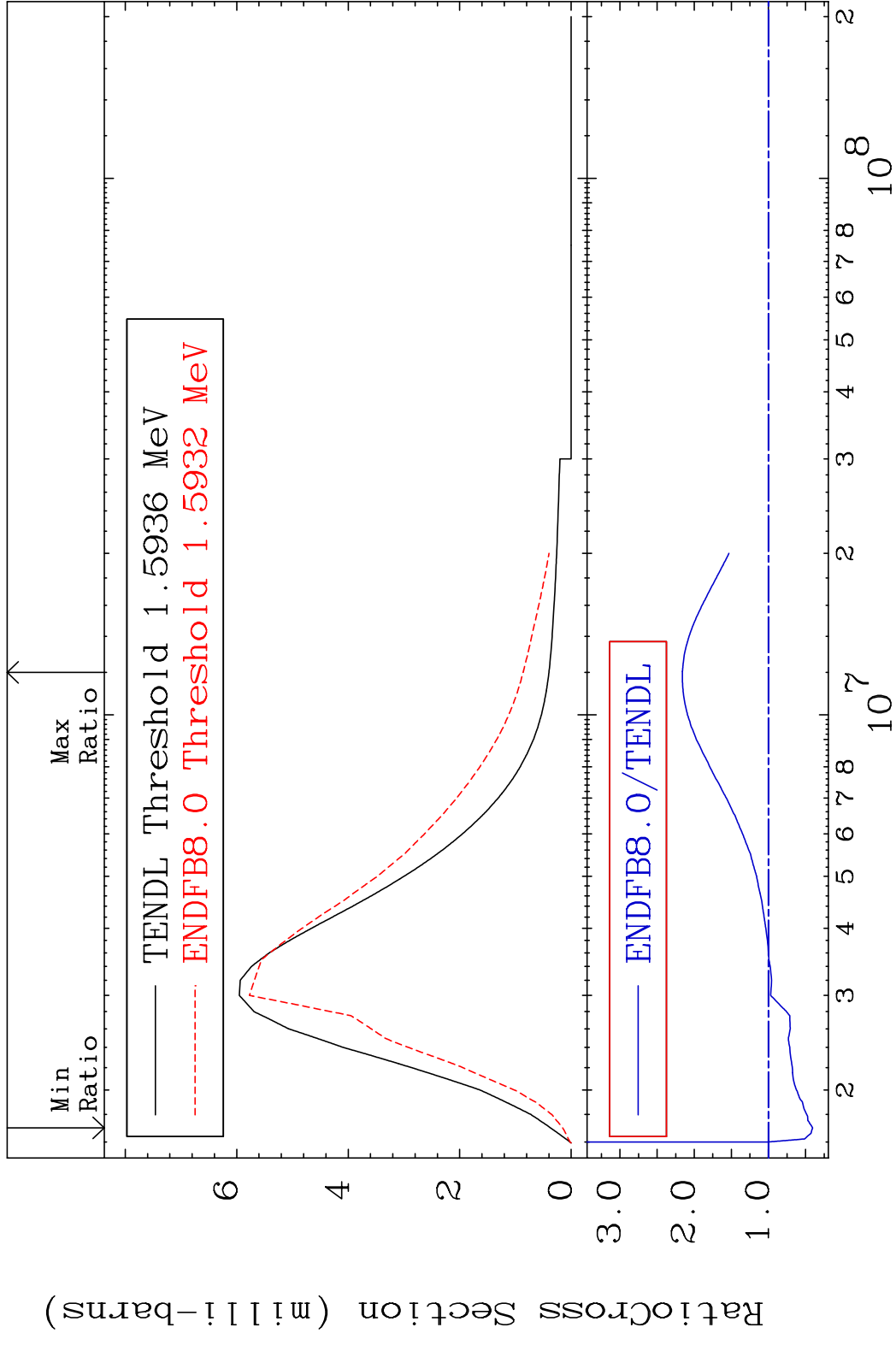


MAT 2325 MT= 62 (n, n') Level 23-V -50
 Cross Section -48.95 To 5.879 %

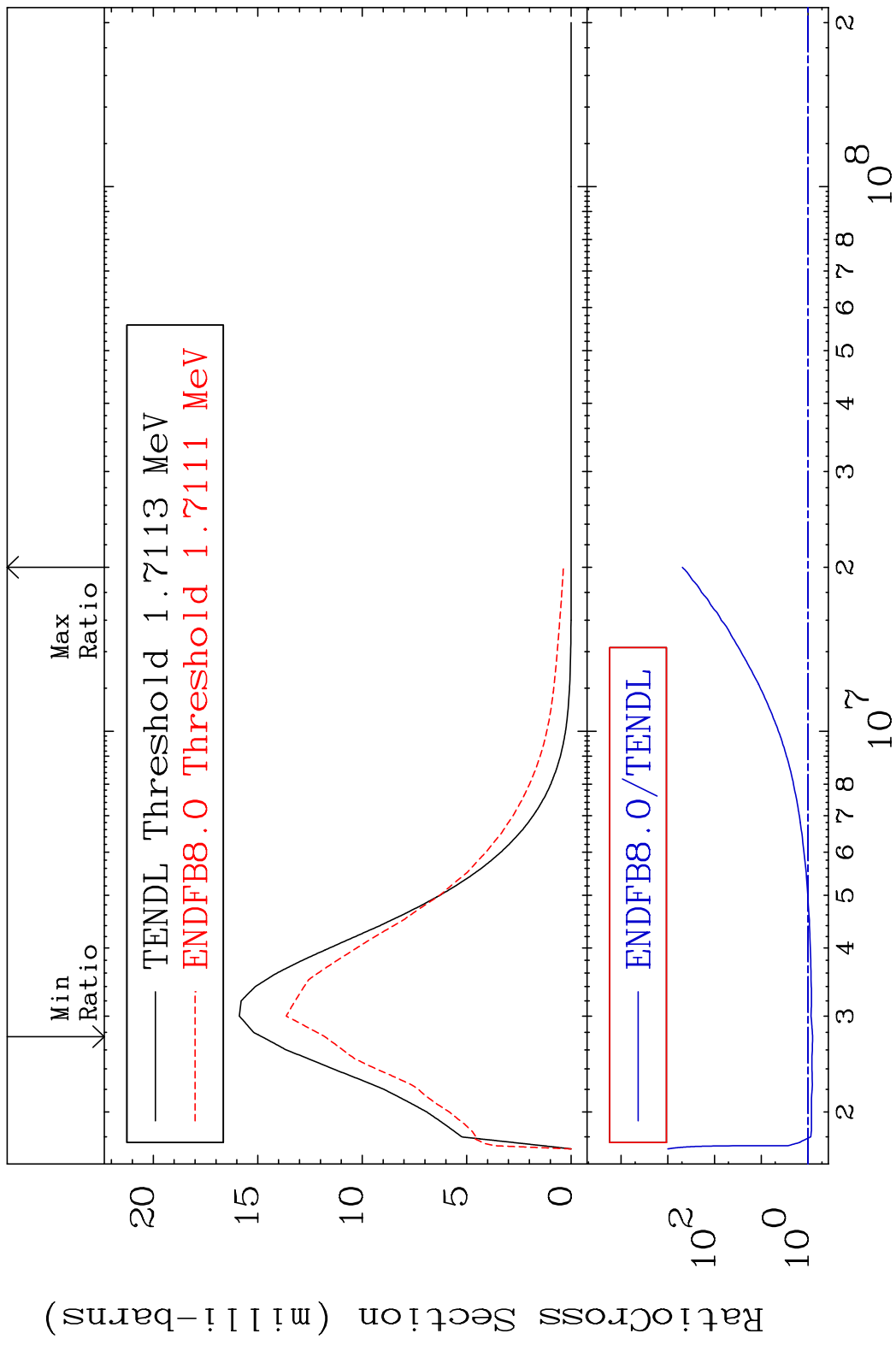


20 Incident Energy (eV) 23-V -50

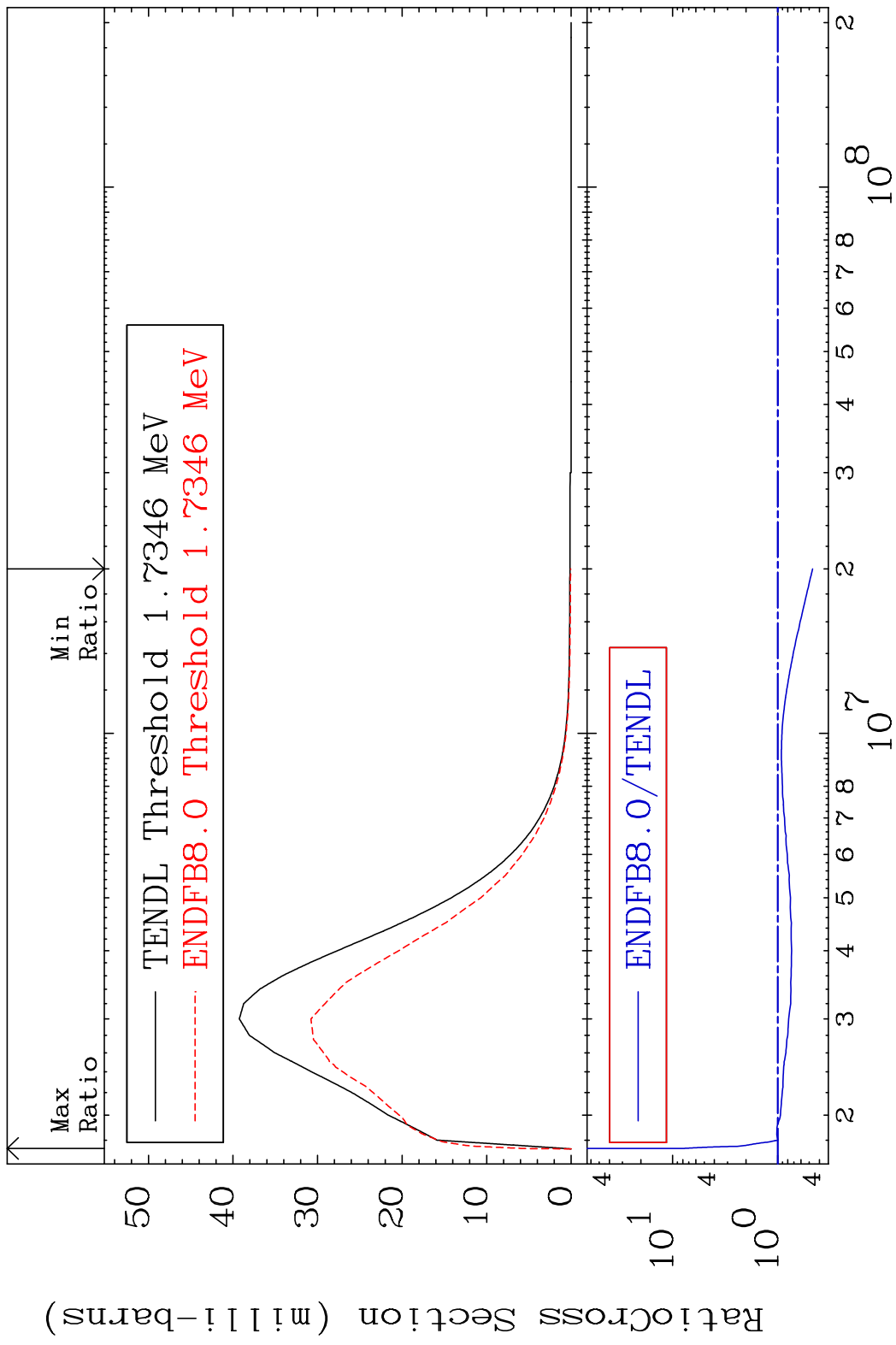
MAT 2325 MT= 63 (n, n') Level 23-V -50
 Cross Section -59.38 To 116.0 %



MAT 2325 MT= 64 (n, n') Level 23-V -50
 Cross Section -20.37 To 9999. %



MAT 2325 MT= 65 (n, n') Level 23-V -50
 Cross Section -53.51 To 707.6 %

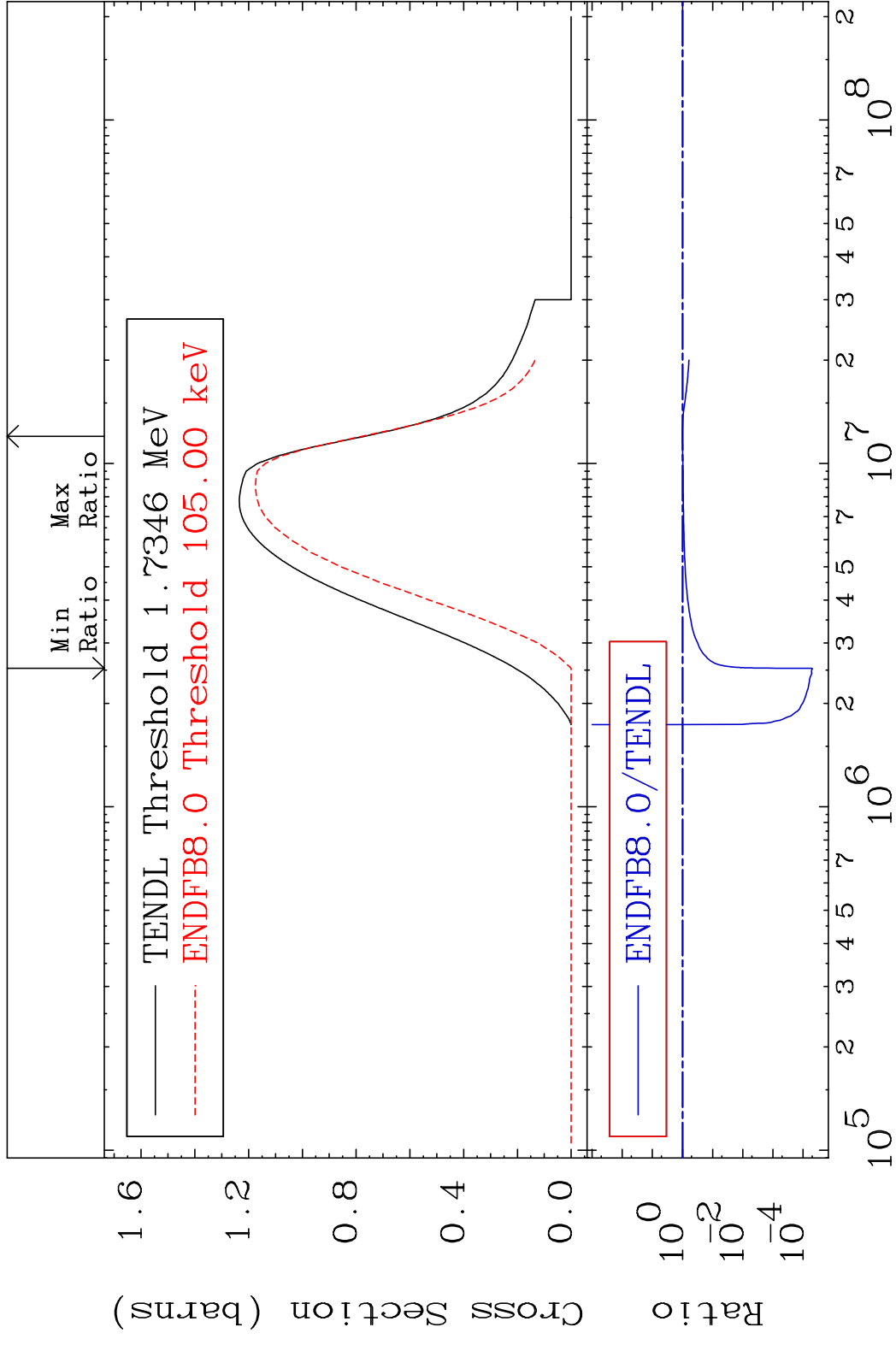


MAT 2325

(n, n') Continuum

23-V -50

Cross Section -100.0 To 1.352 %

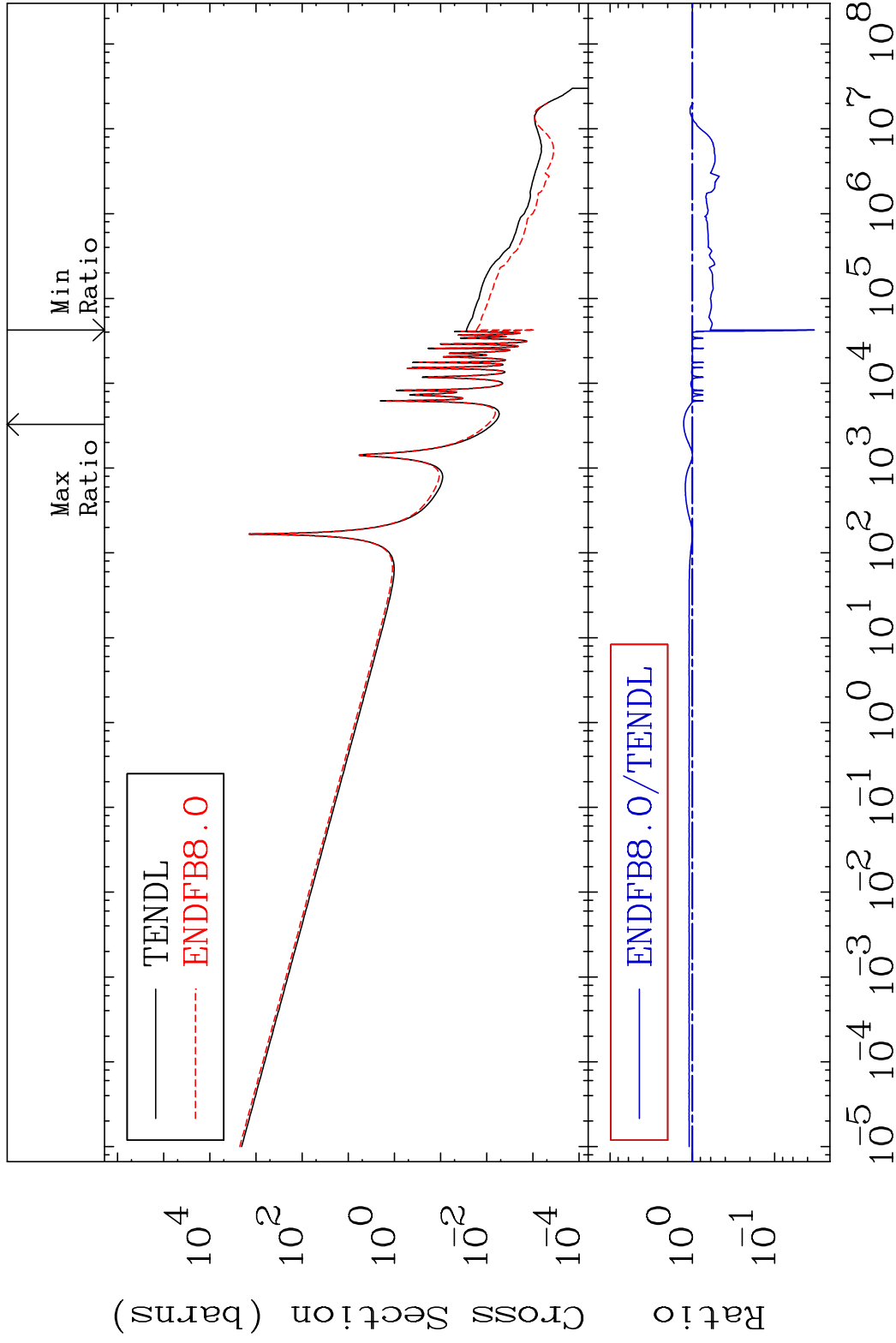


MAT 2325

(n, γ)

23-V -50

Cross Section -96.67 To 27.74 %



25

Incident Energy (eV)

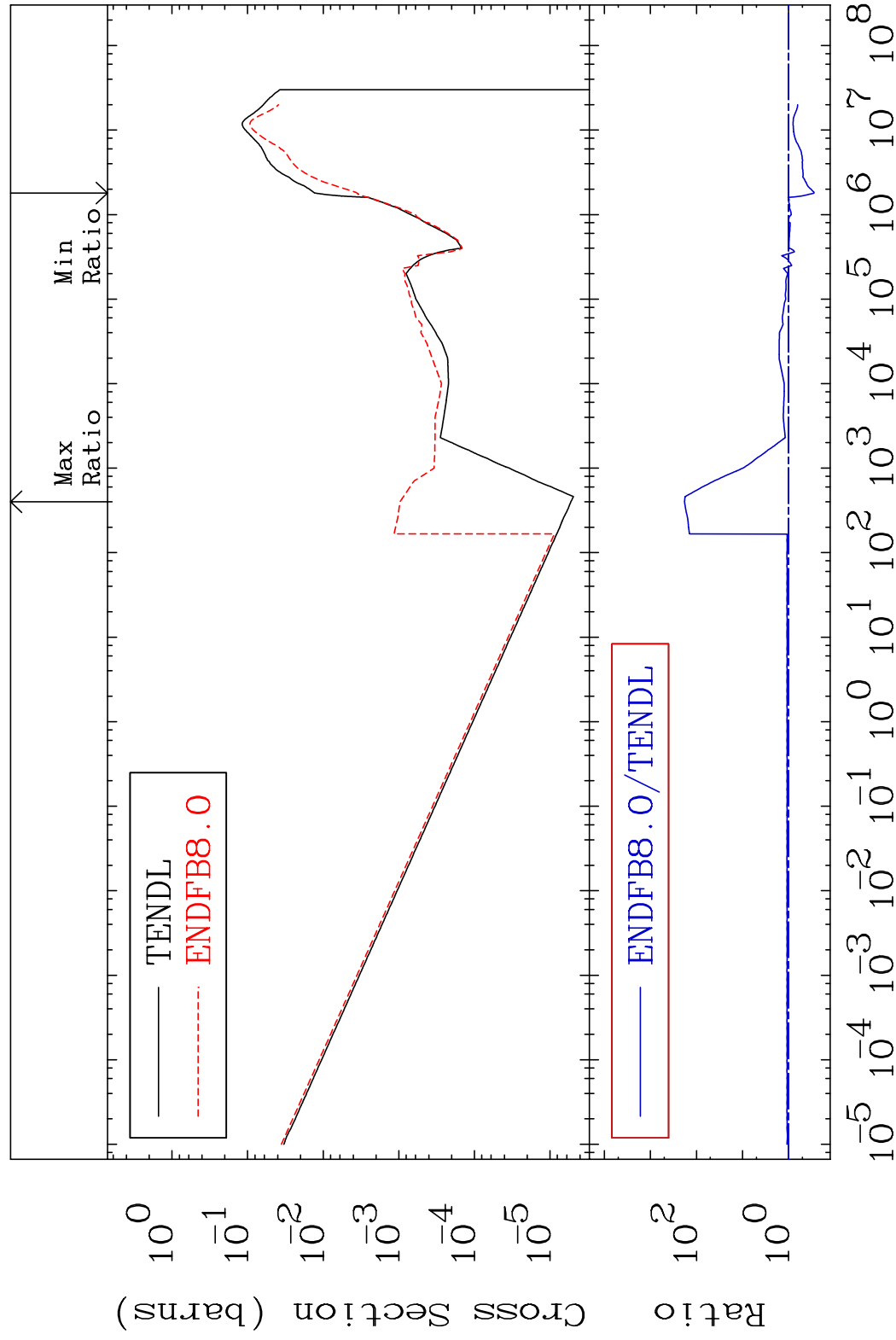
23-V -50

MAT 2325

(n, p)

23-V -50

Cross Section -72.67 To 9999. %

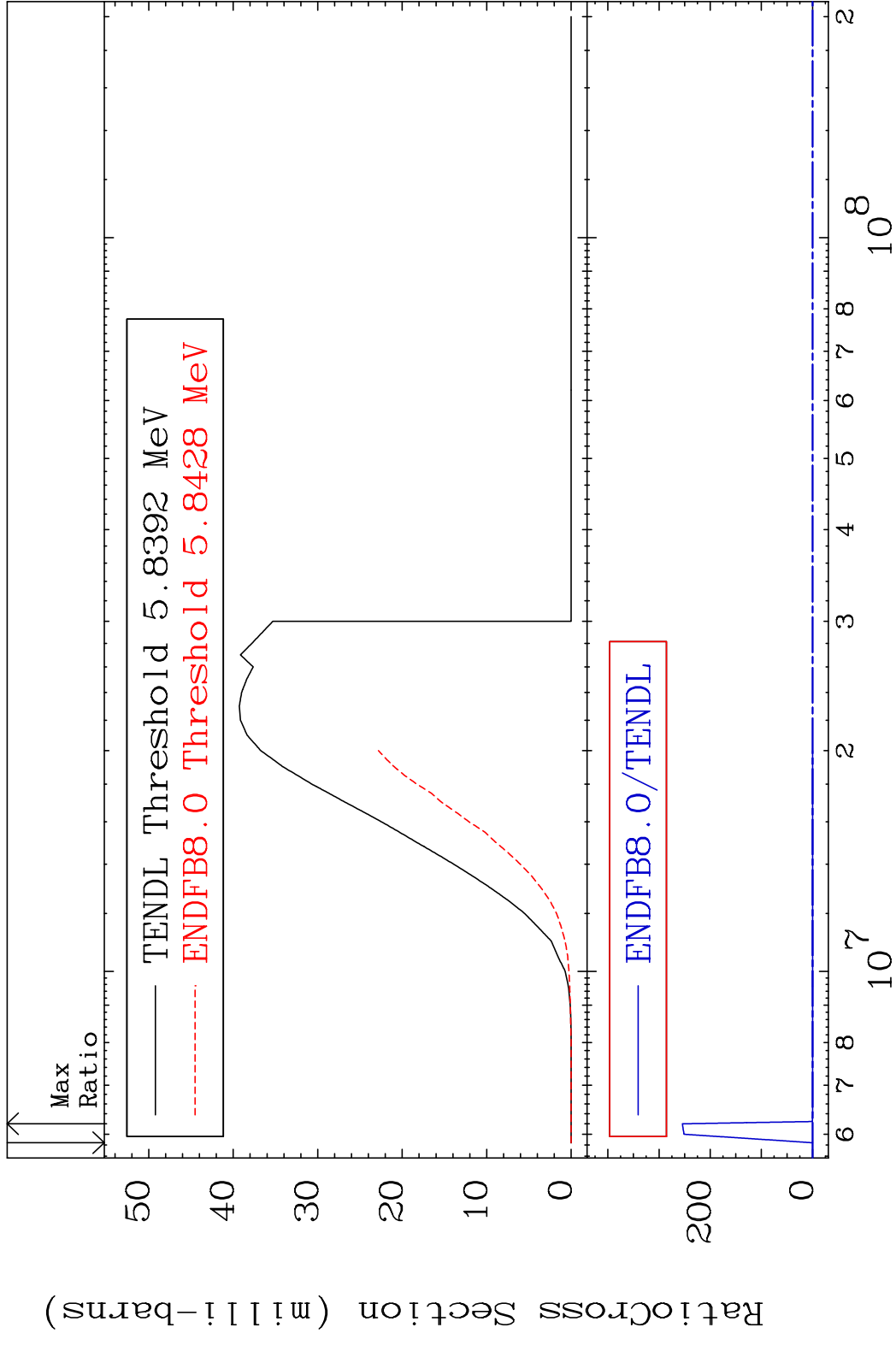


26

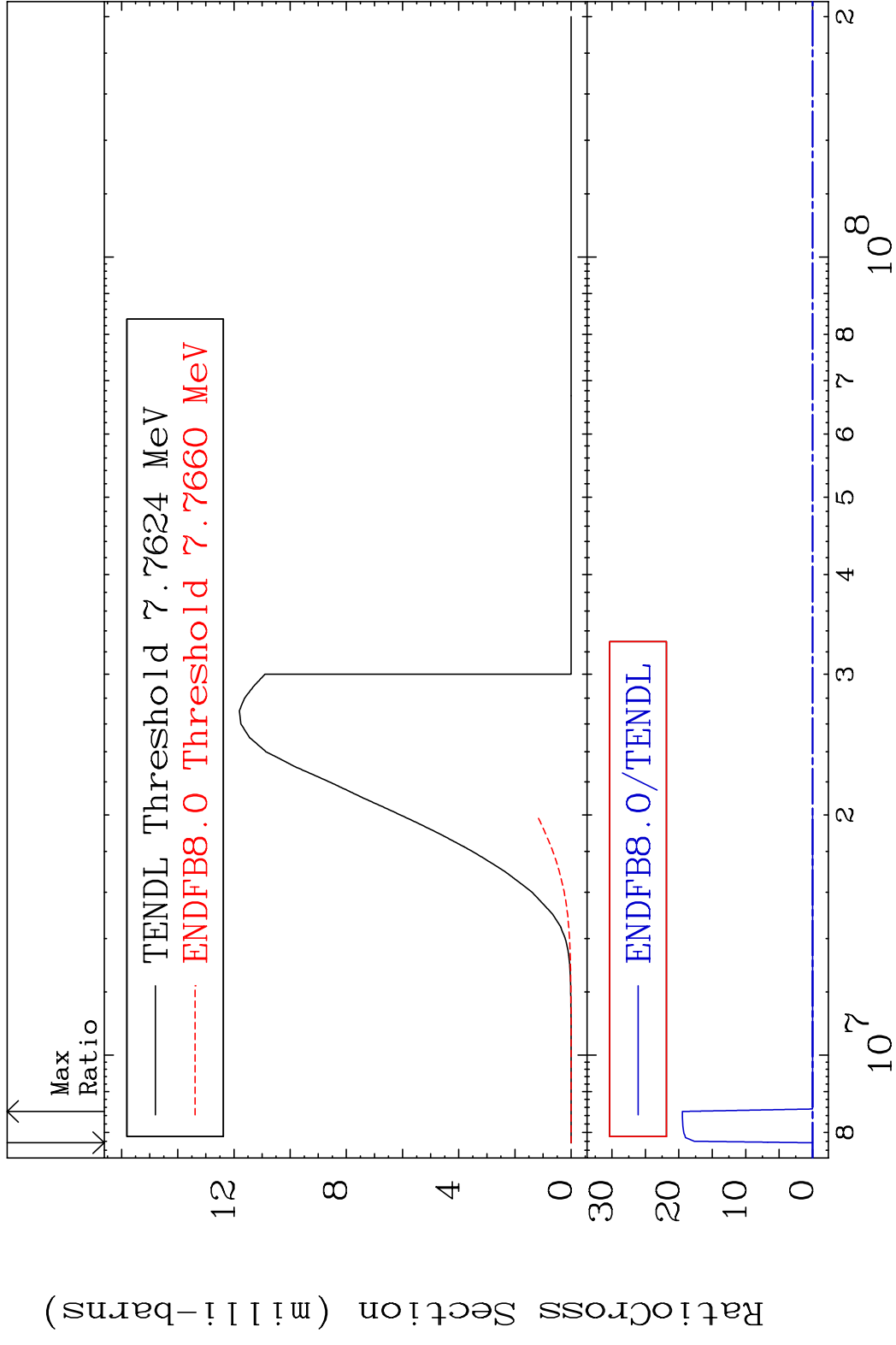
Incident Energy (eV)

23-V -50

MAT 2325 (n,d) 23-V -50
 Cross Section -100.0 To 9999. %



MAT 2325 (n, t) 23-V -50
 Cross Section -100.0 To 9999. %

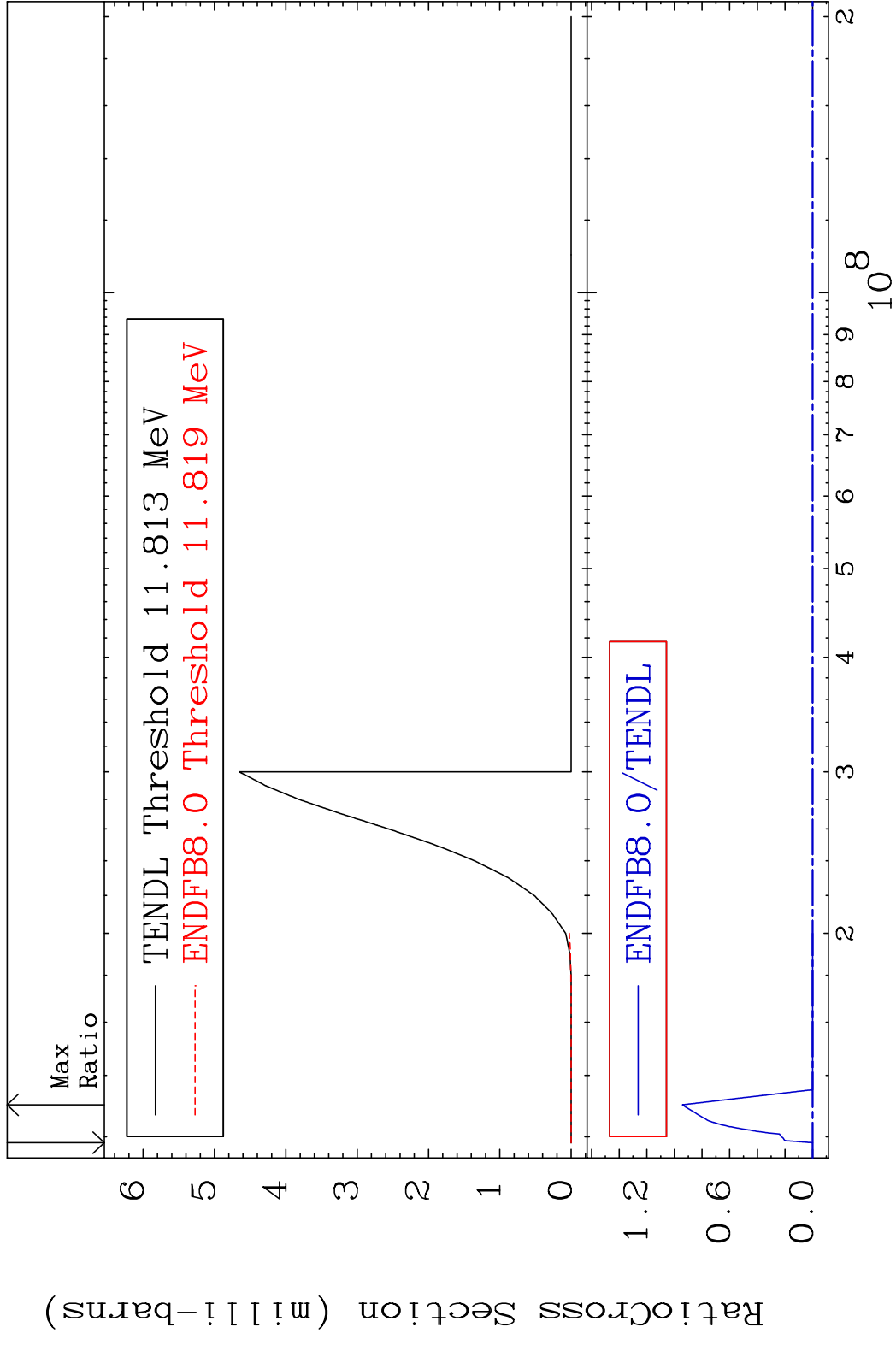


MAT 2325

(n, He-3)

23-V -50

Cross Section -100.0 To 9999. %



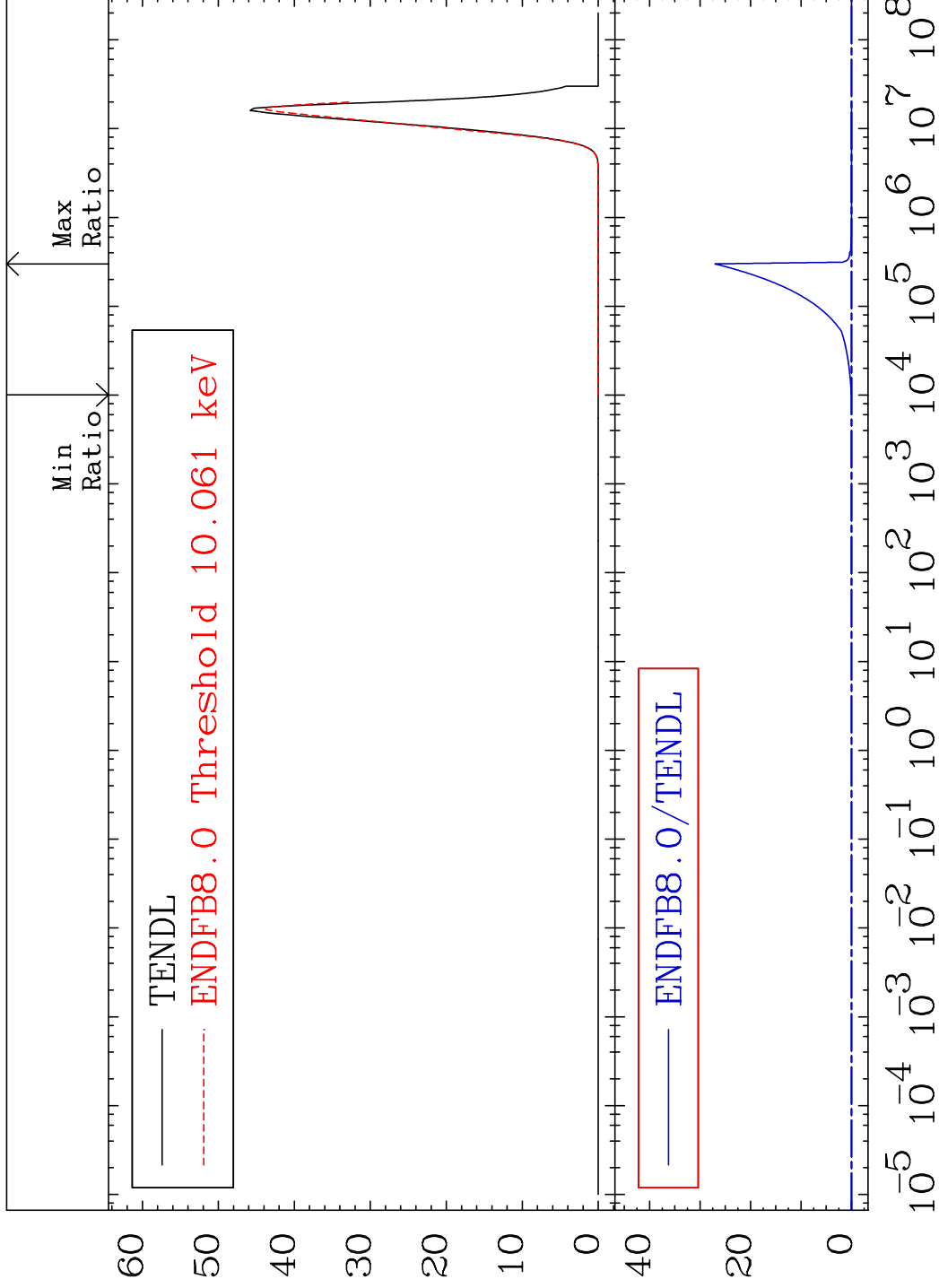
MAT 2325

(n, α)

23-V -50

Cross Section -100.0 To 9999. %

RatioCross Section (milli-barns)

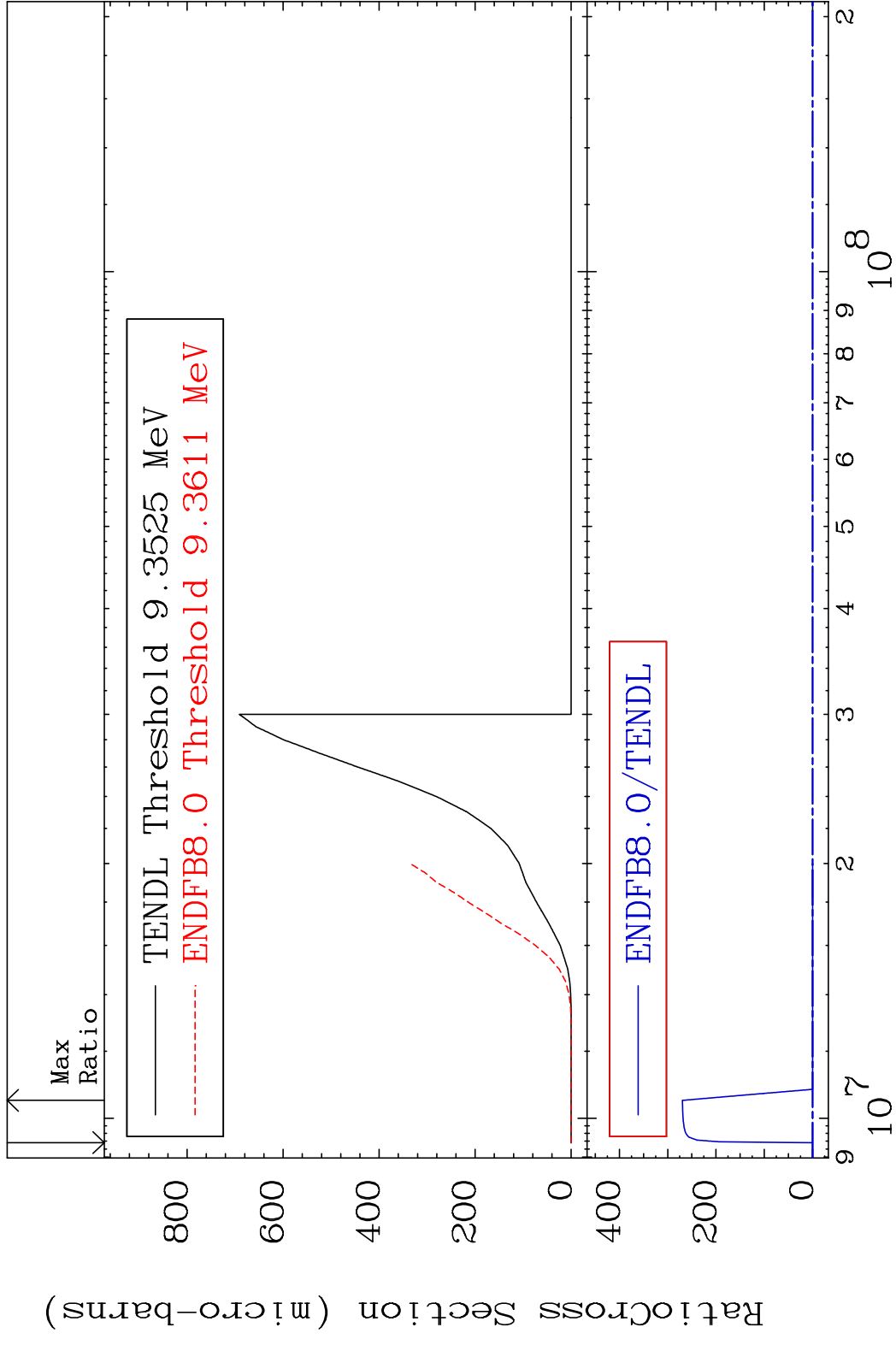


30

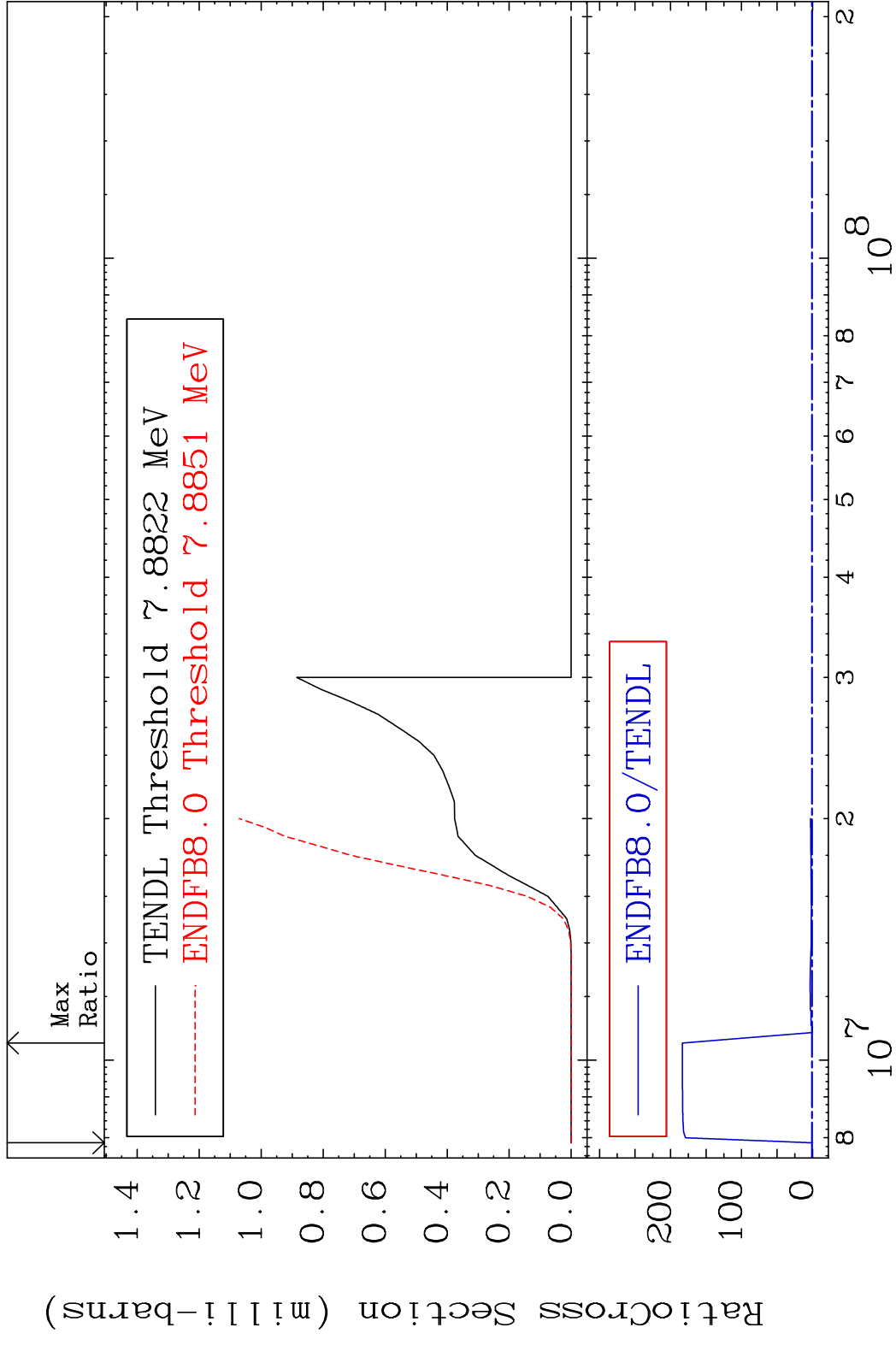
Incident Energy (eV)

23-V -50

MAT 2325 (n,2p) 23-V -50
 Cross Section -100.0 To 9999. %



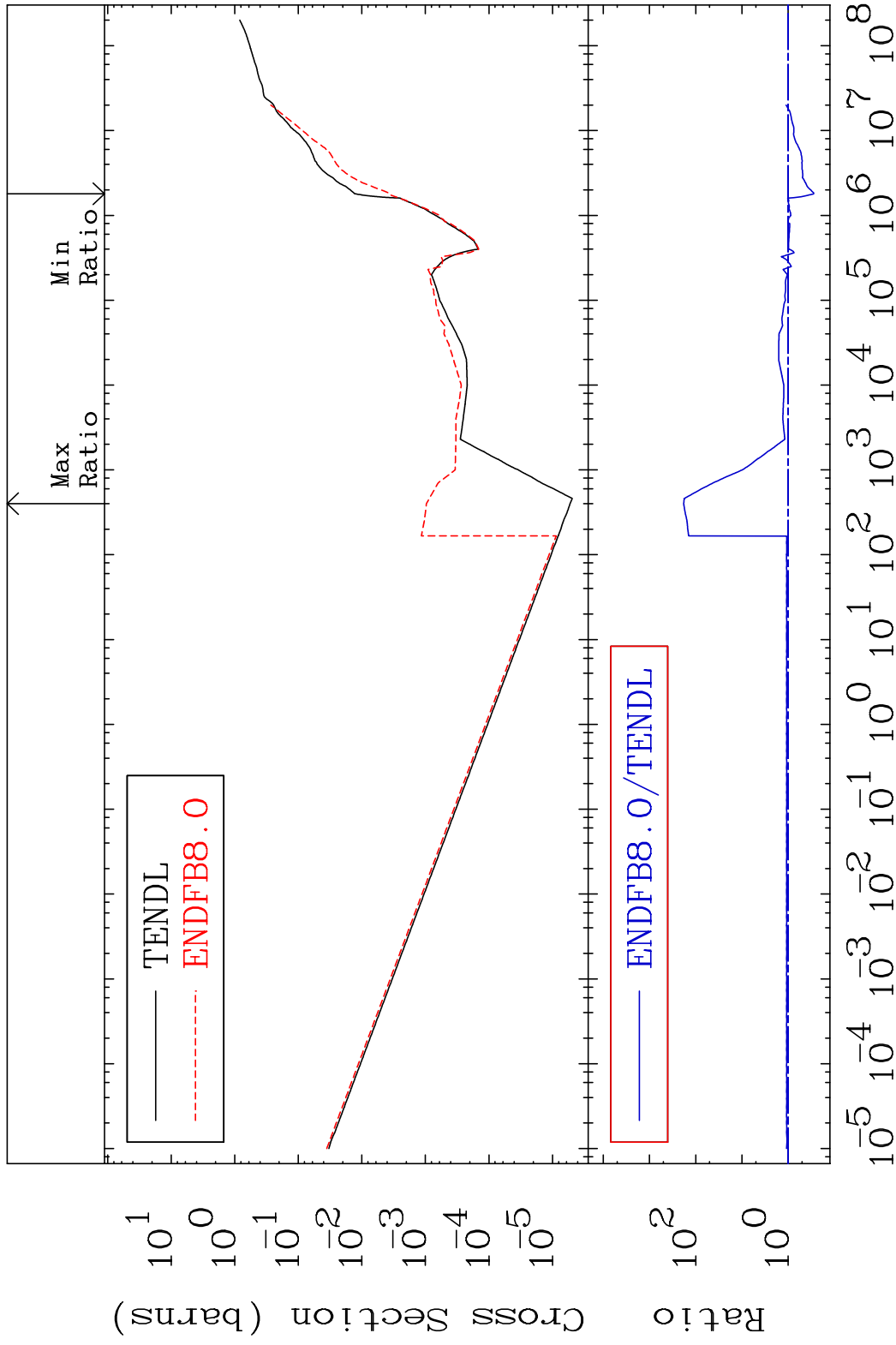
MAT 2325 (n,p) α 23-V -50
 Cross Section -100.0 To 9999. %



32 Incident Energy (eV) 23-V -50

MAT 2325

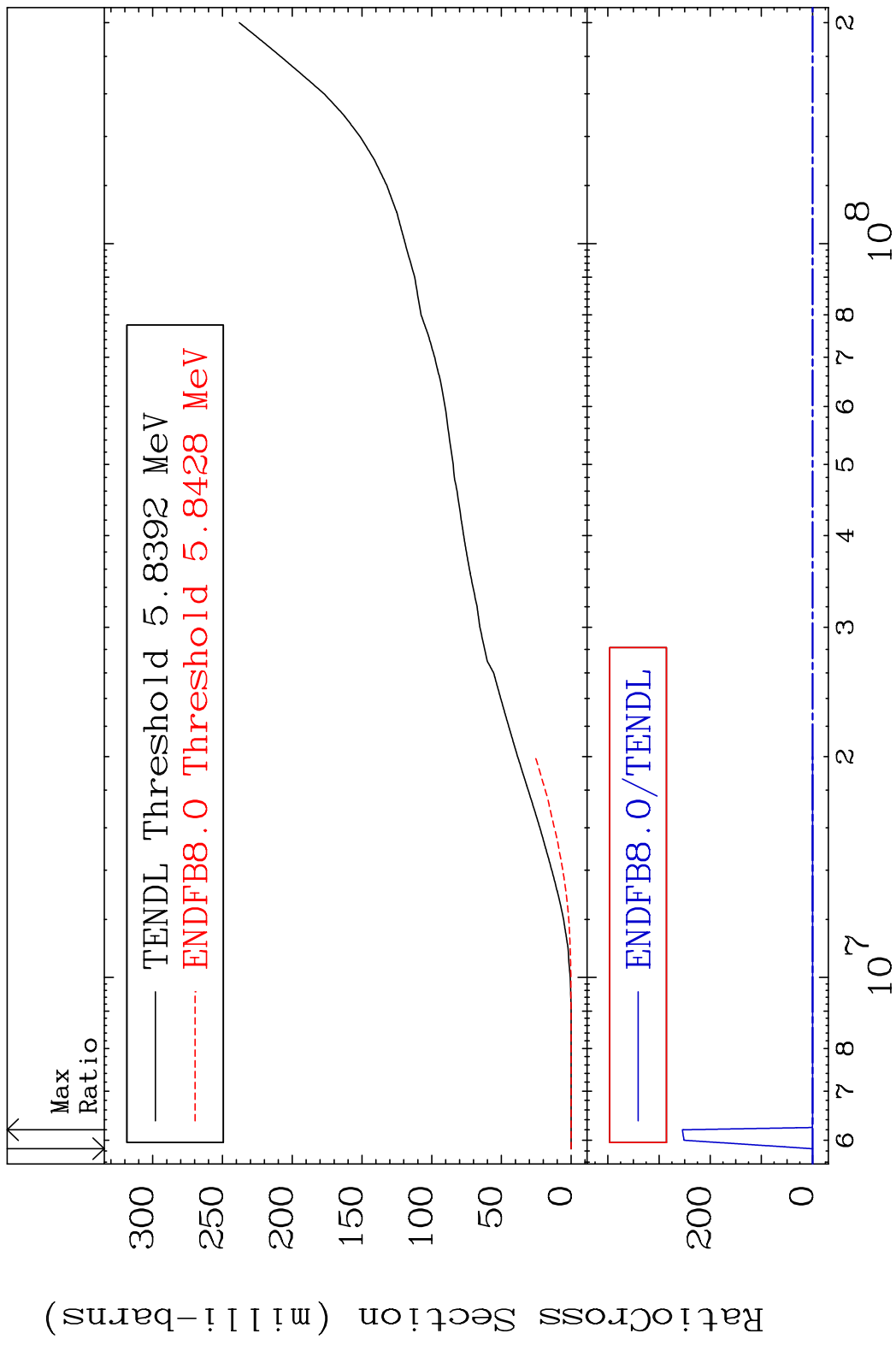
Hydrogen Production Cross Section 23-V -50
-72.67 To 9999. %



33

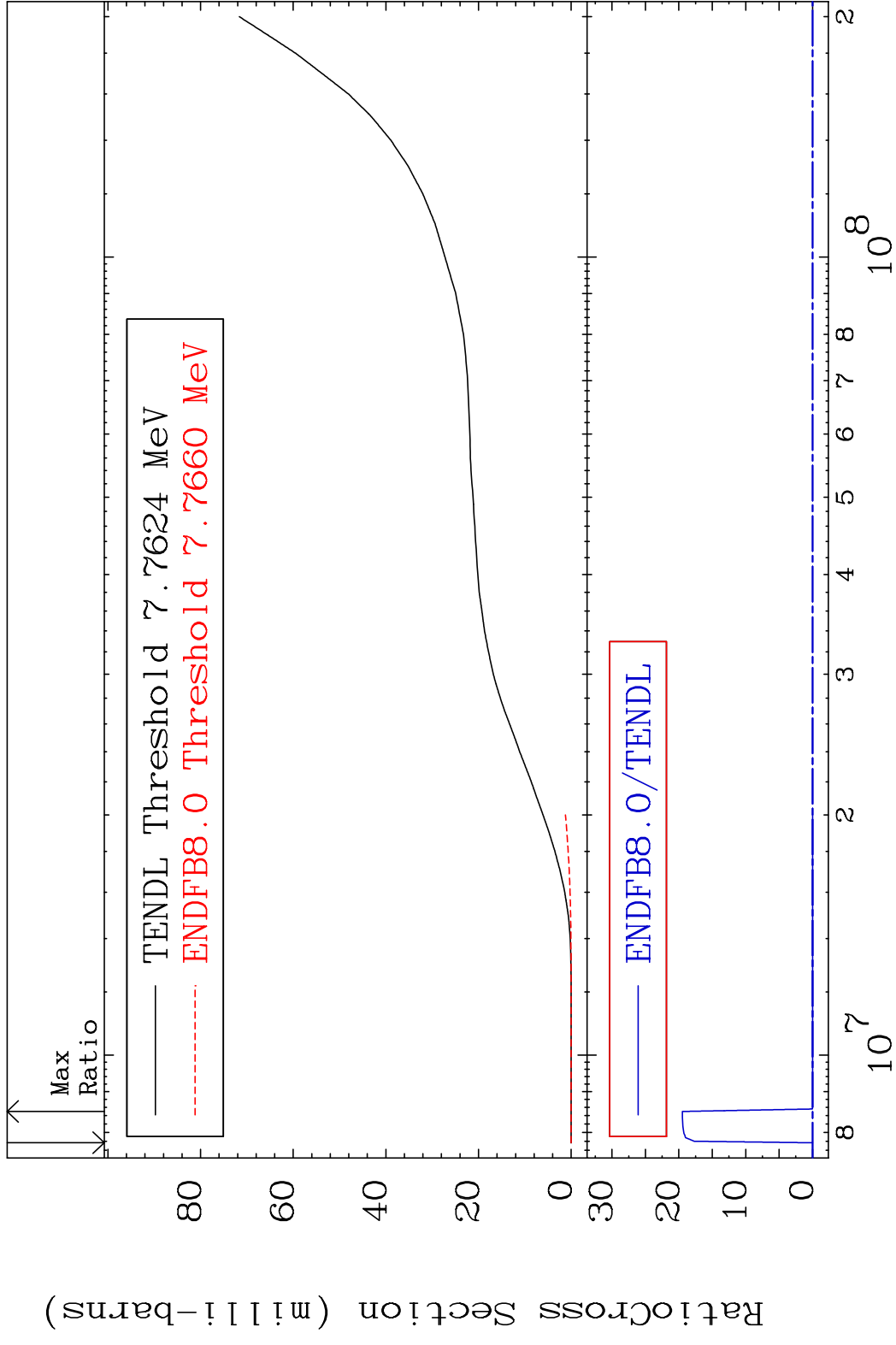
Incident Energy (eV) 23-V -50

MAT 2325 Deuterium Production 23-V -50
 Cross Section -100.0 To 9999. %



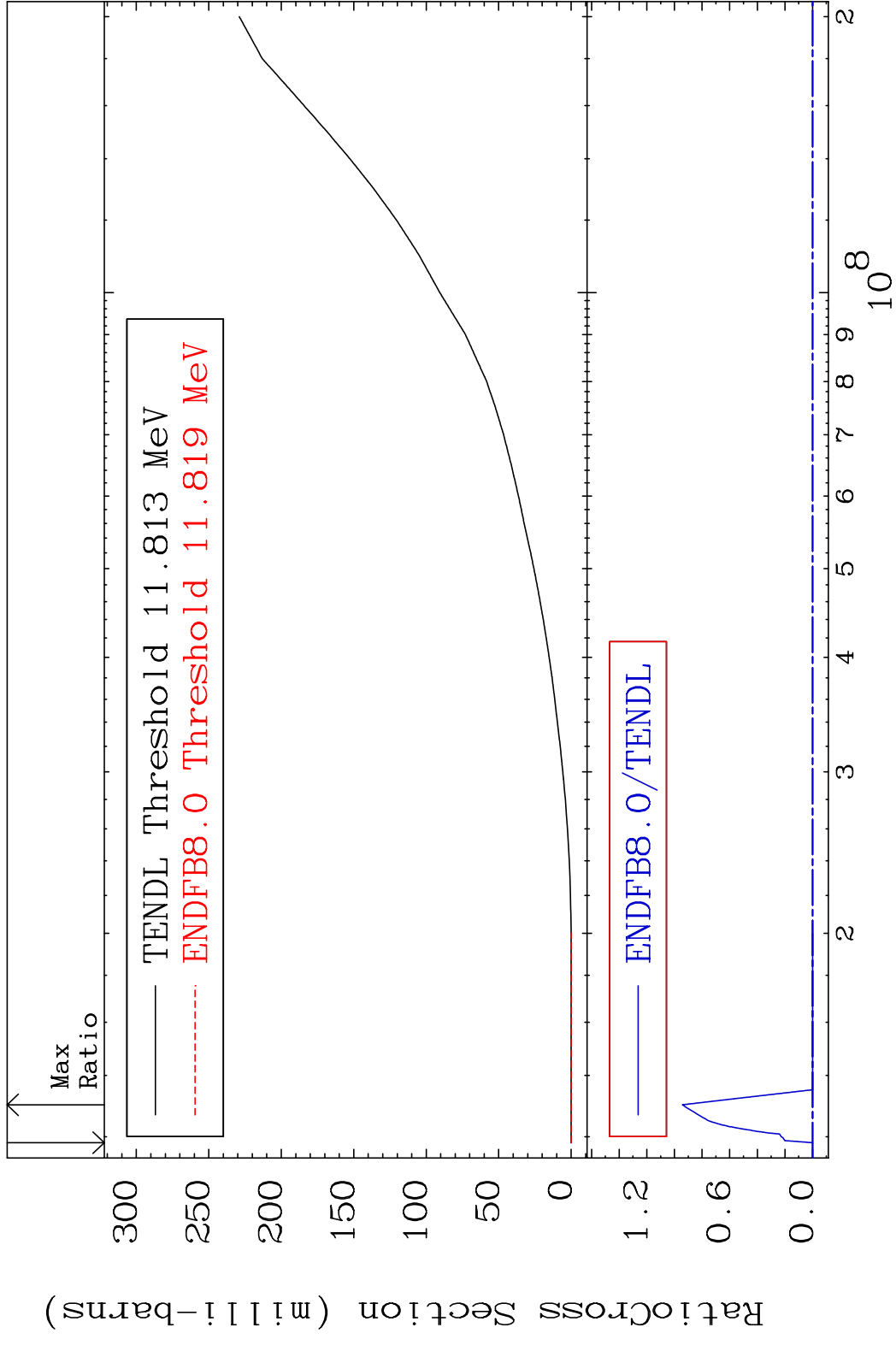
34 Incident Energy (eV) 23-V -50

MAT 2325 Tritium Production 23-V -50
 Cross Section -100.0 To 9999. %



35 Incident Energy (eV) 23-V -50

MAT 2325 He-3 Production 23-V -50
 Cross Section -100.0 To 9999. %

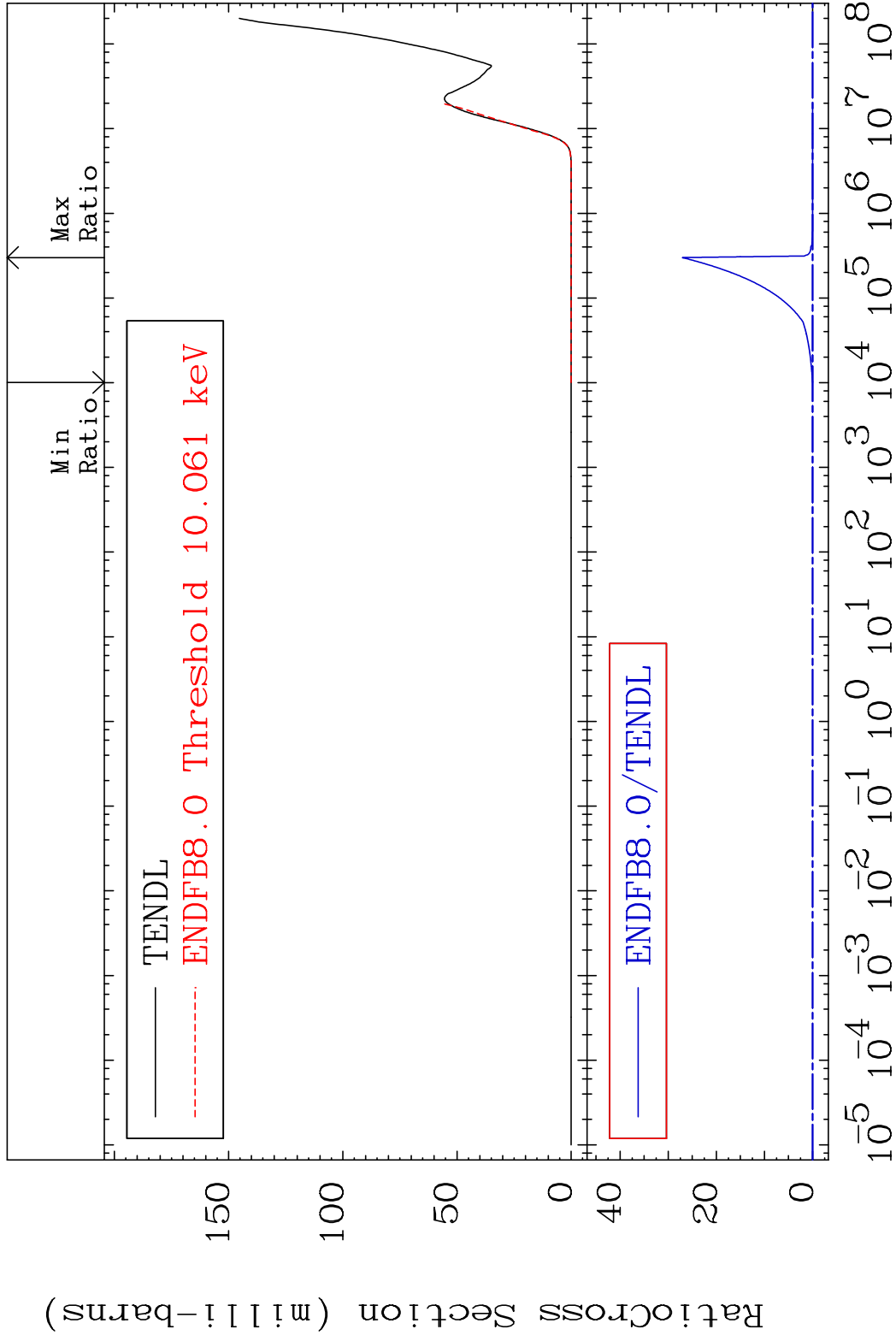


MAT 2325

He-4 Production

23-V -50

Cross Section -100.0 To 9999. %

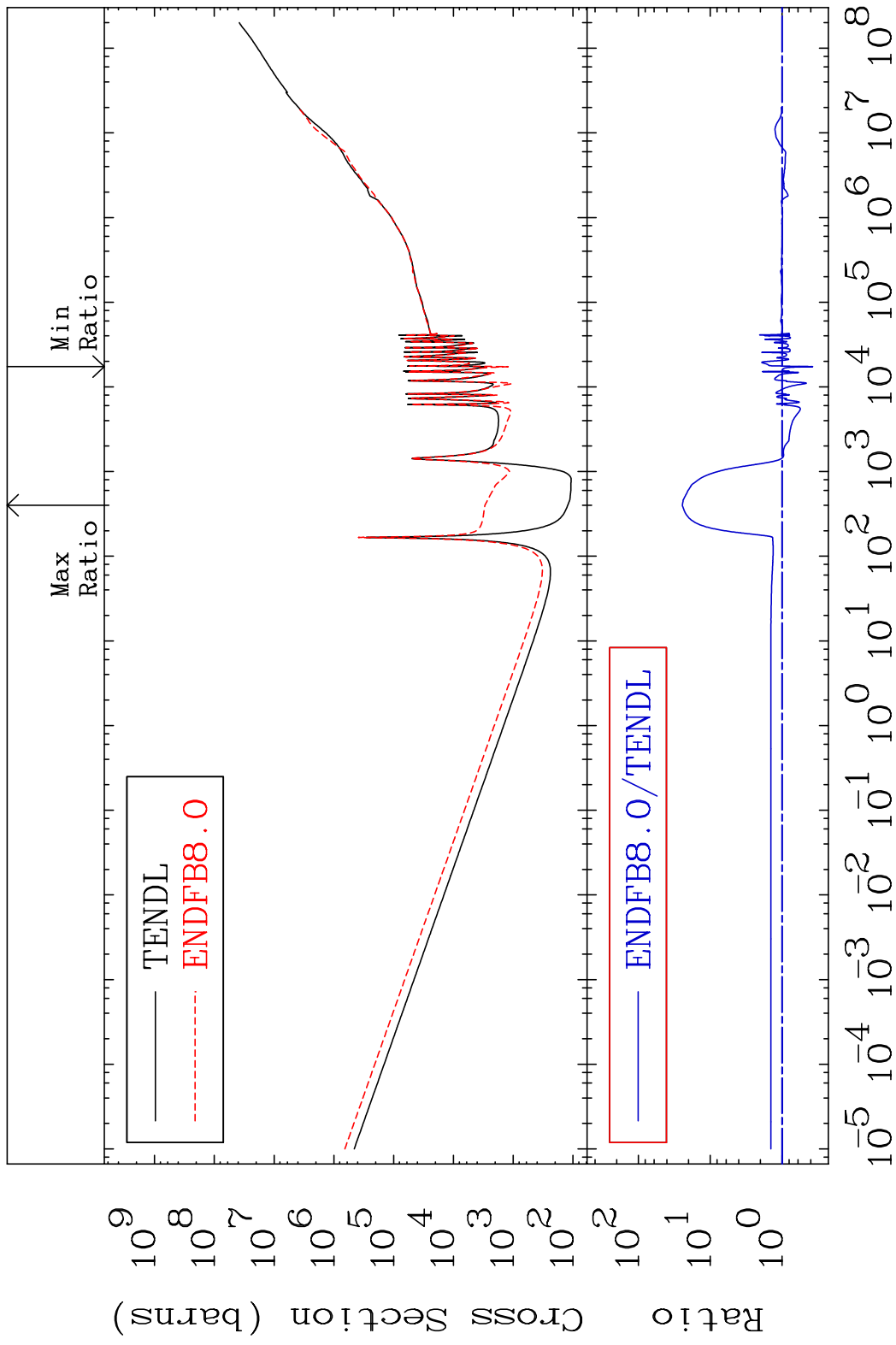


37

Incident Energy (eV)

23-V -50

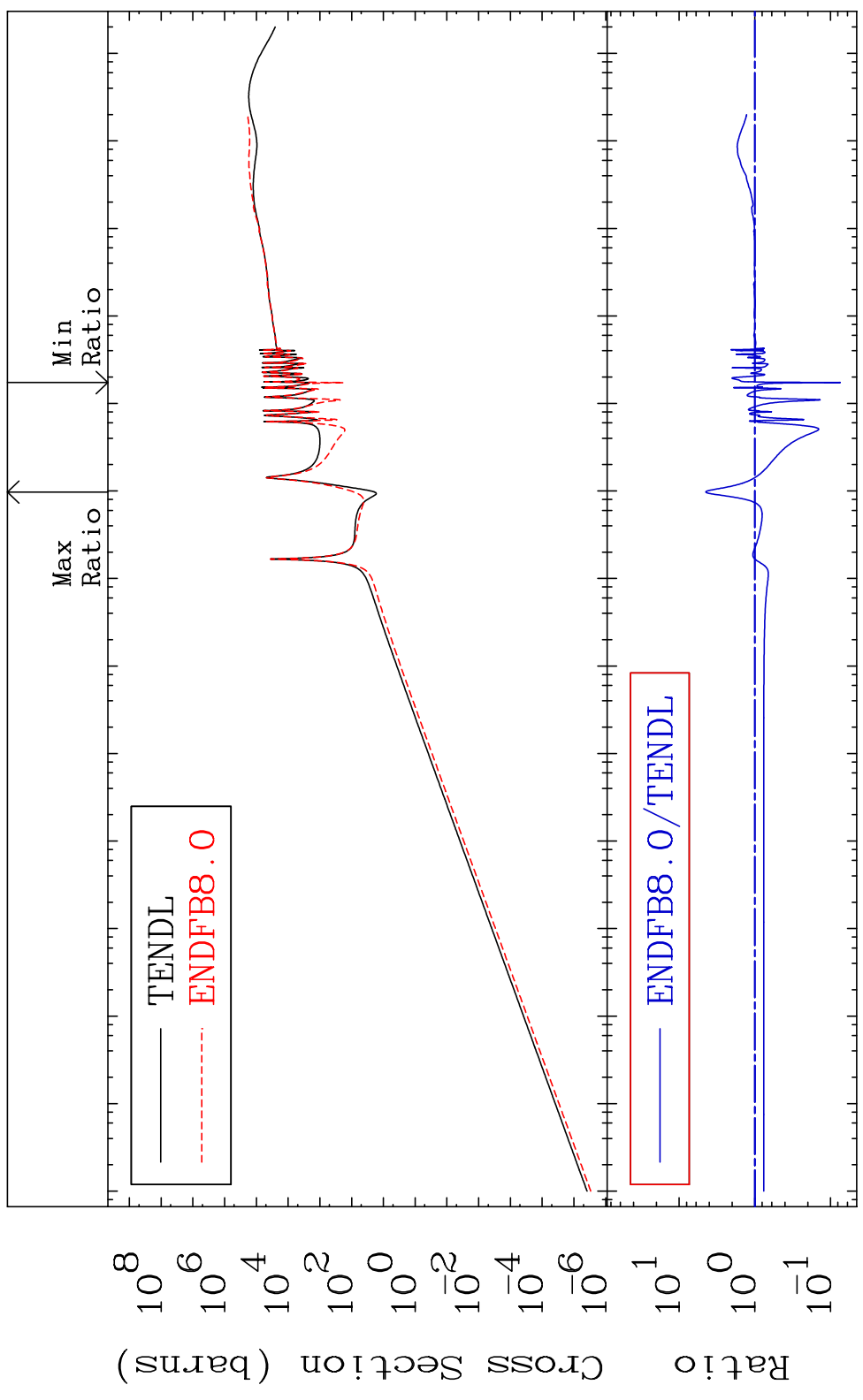
MAT 2325 Kerma total (eV-barns) 23-V -50
 Cross Section -62.27 To 2338. %



38 Incident Energy (eV) 23-V -50

MAT 2325

Kerma elastic Cross Section -92.57 To 346.4 %
23-V -50

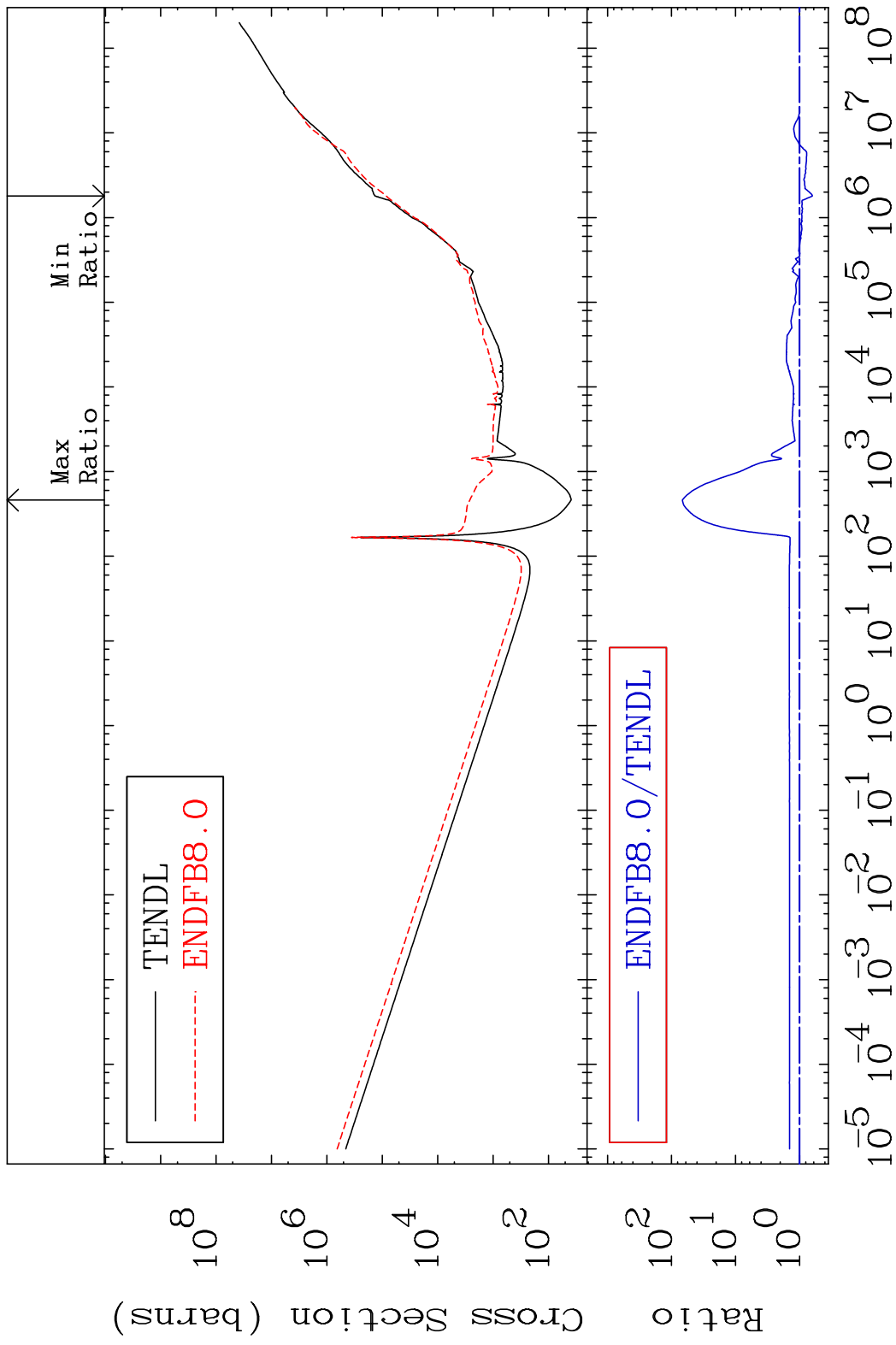


39

Incident Energy (eV)

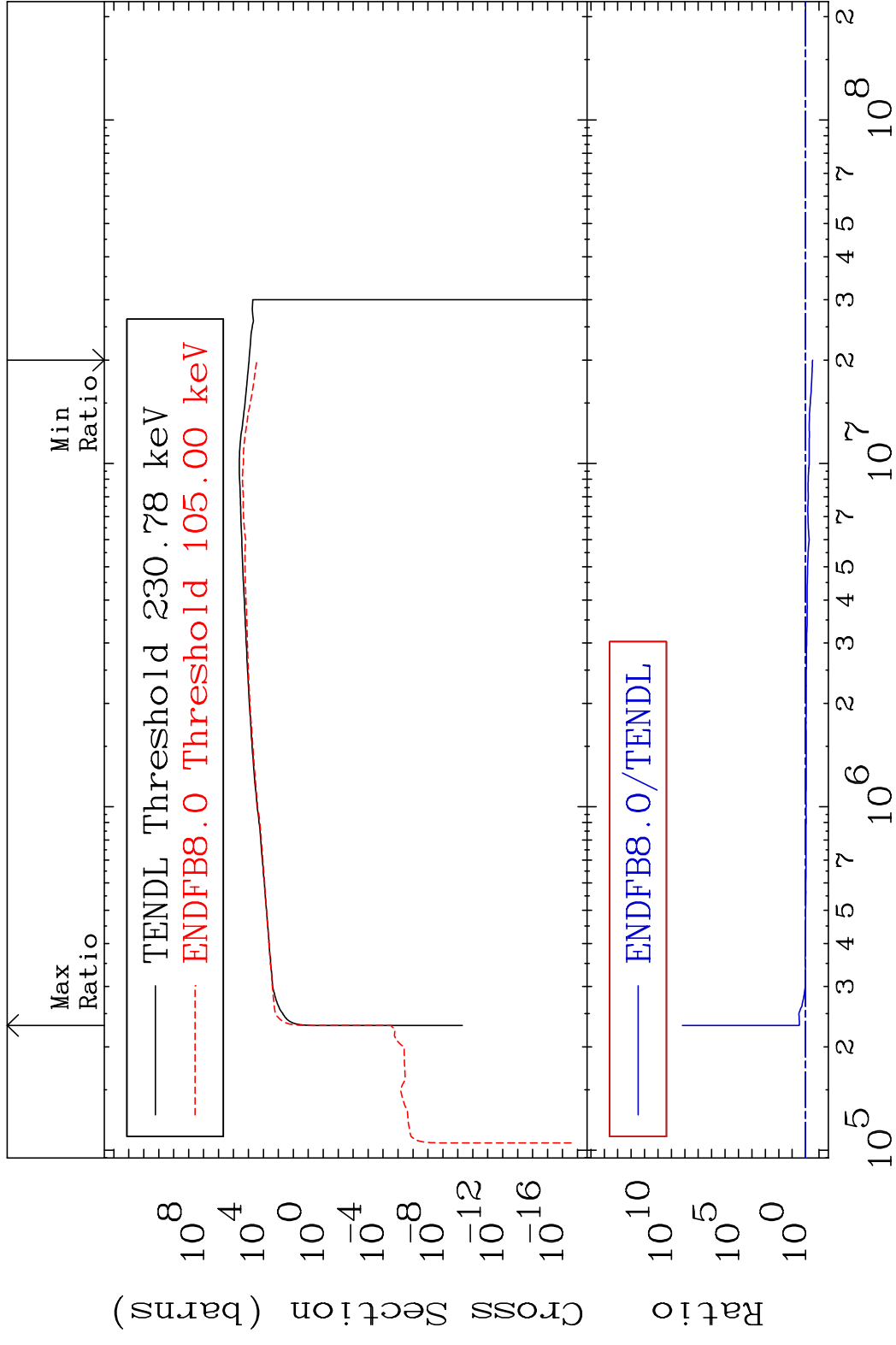
23-V -50

MAT 2325 Kerma non-elastic (all but mt2) 23-V -50
 Cross Section -37.49 To 6667. %

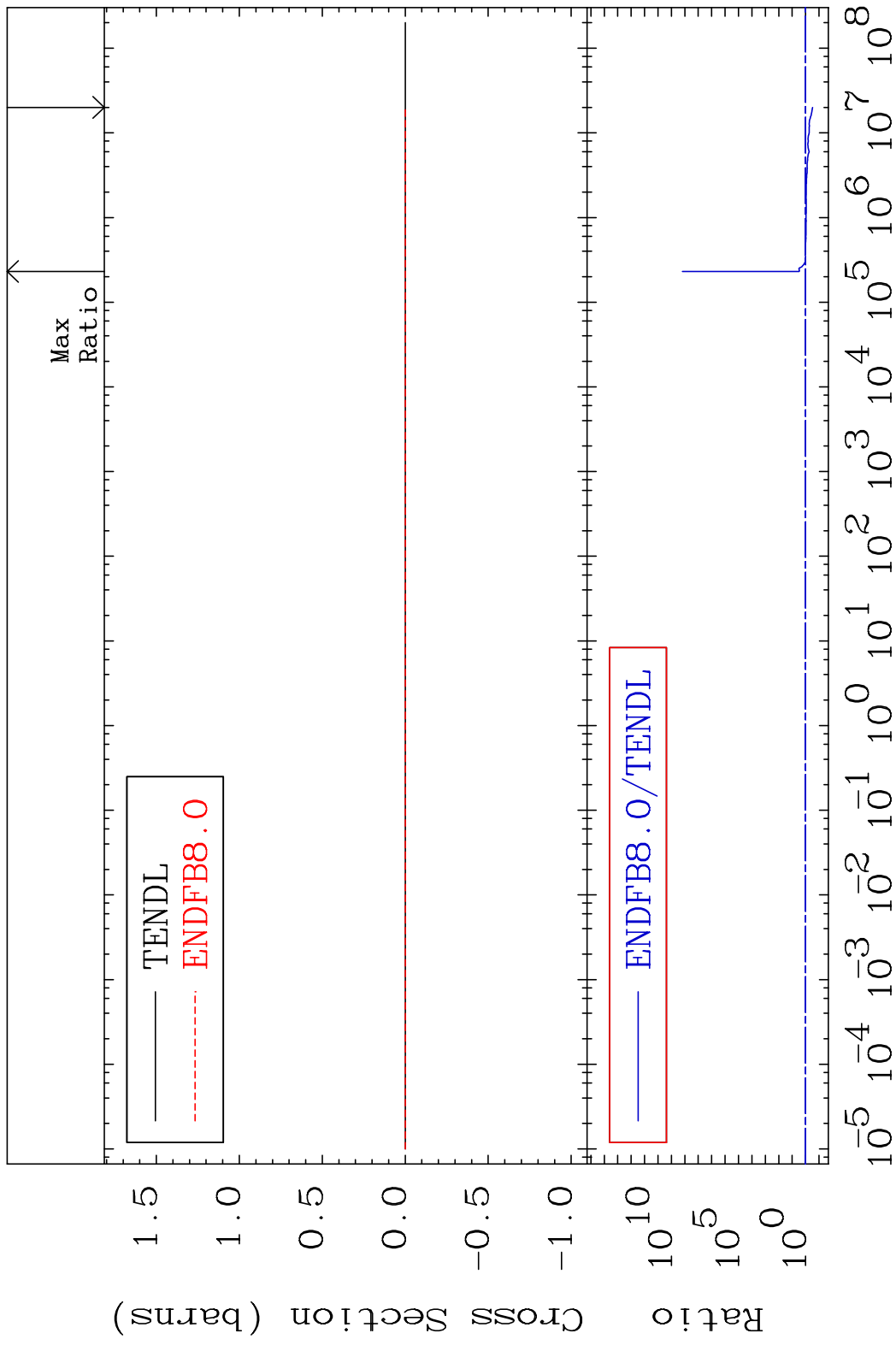


40 Incident Energy (eV) 23-V -50

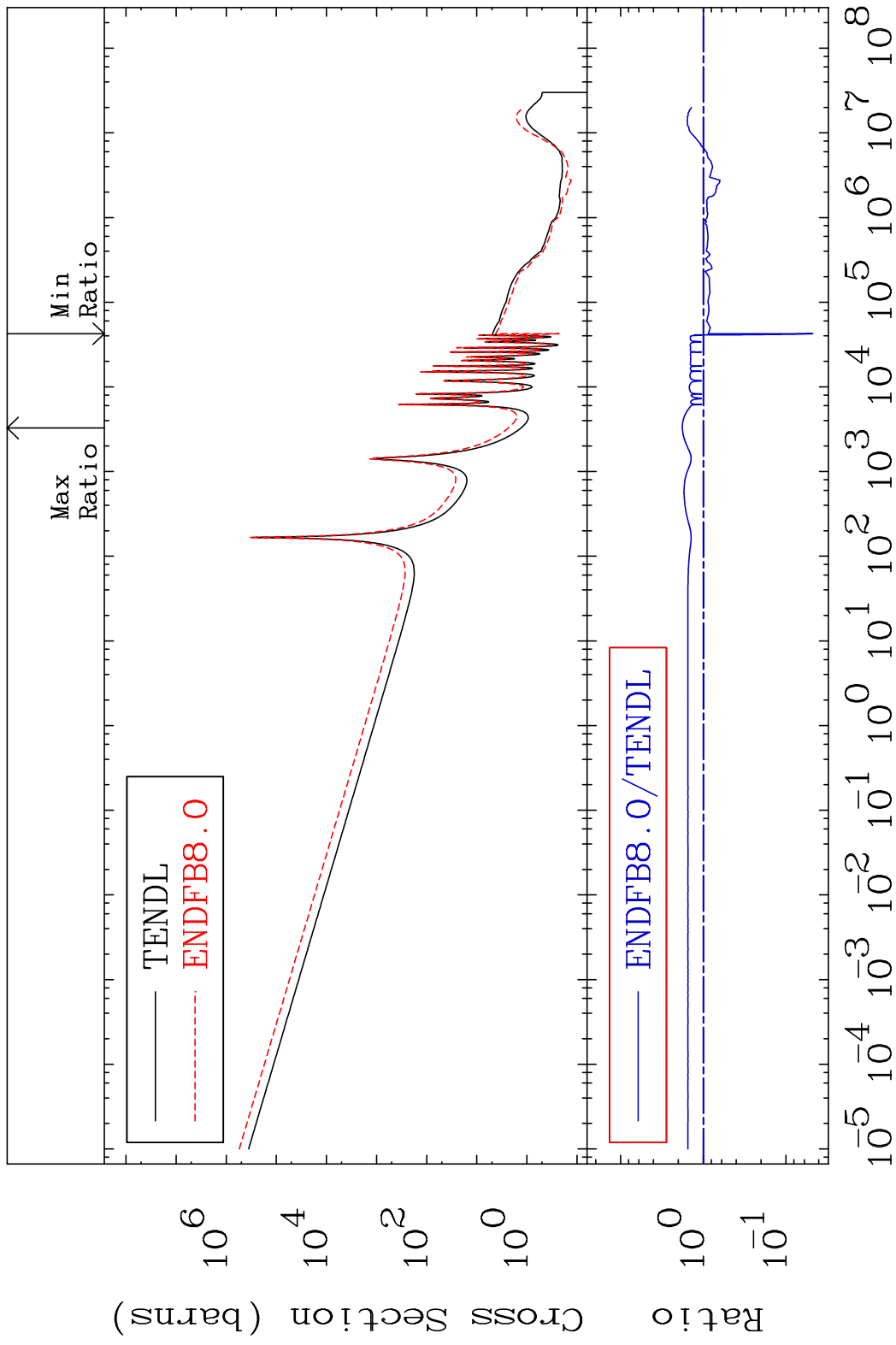
MAT 2325 Kerma inelastic (mt51-91) 23-V -50
 Cross Section -69.71 To 9999. %



MAT 2325 Kerma fission (mt18 or mt19-20-21-38) 23-V -50
 Cross Section -69.71 To 9999. %

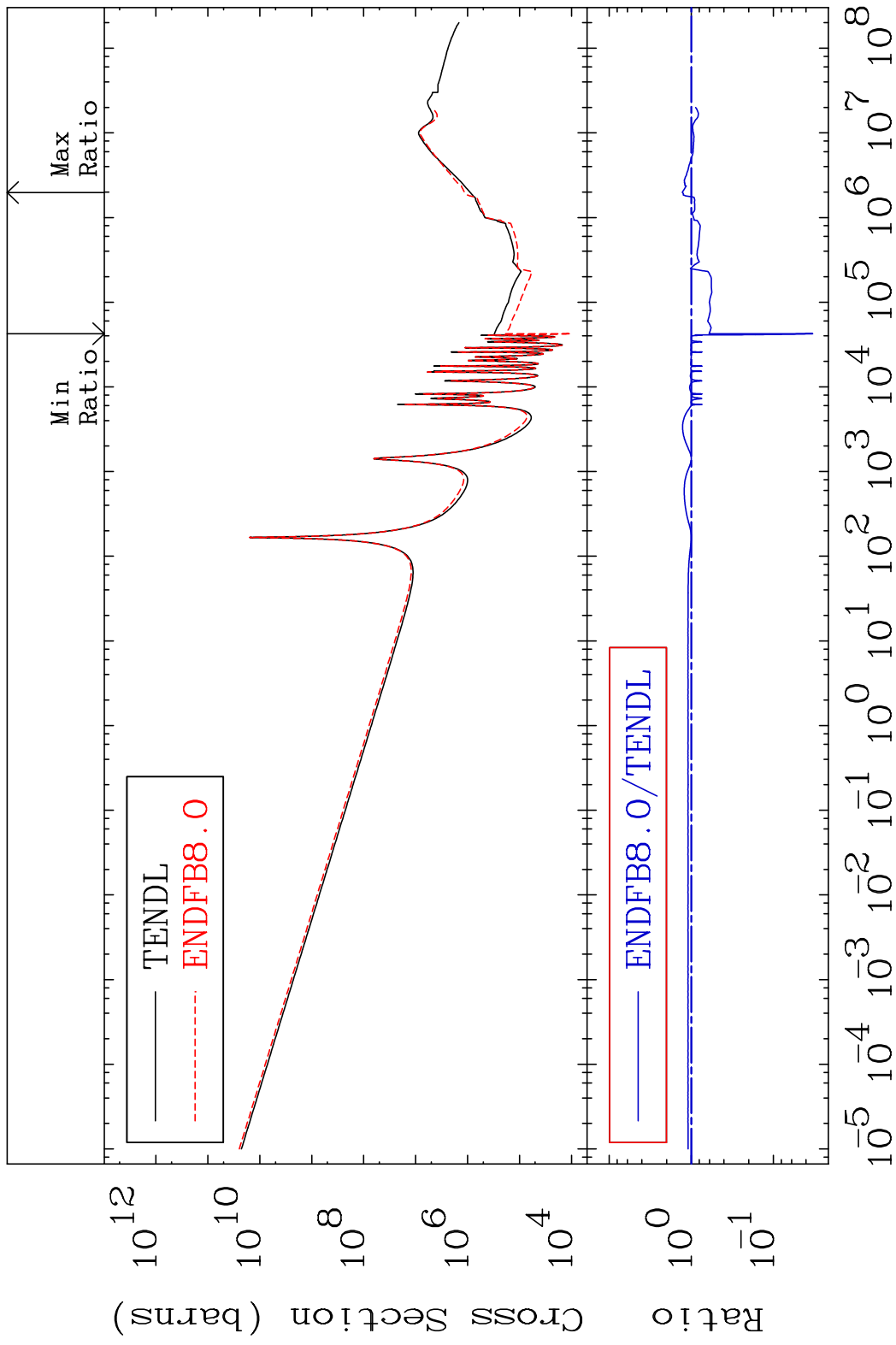


MAT 2325 Kerma capture (mt102) 23-V -50
 Cross Section -95.23 To 79.10 %



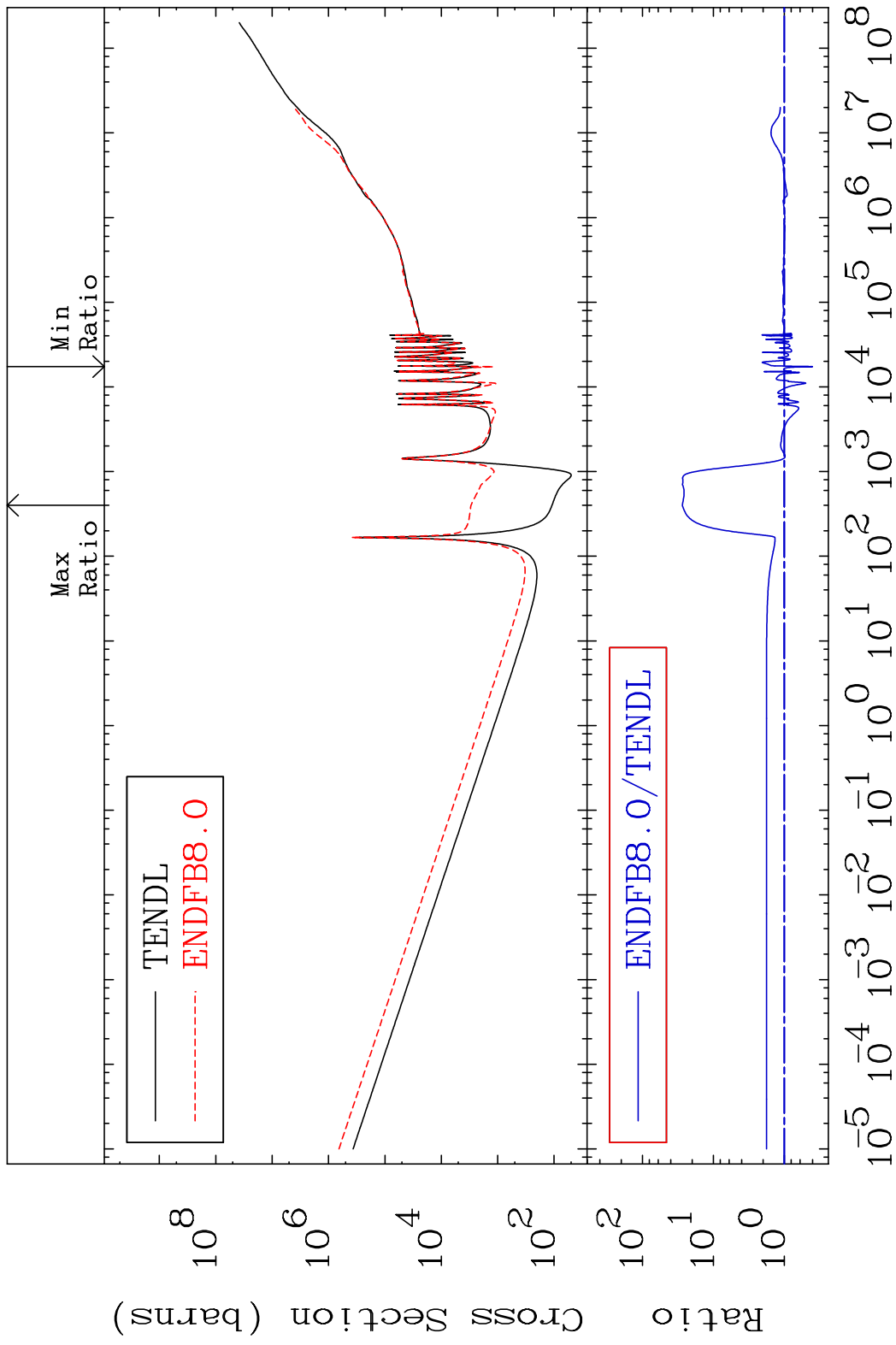
43 23-V -50

MAT 2325 Total photon (eV-barns) 23-V -50
 Cross Section -96.67 To 28.55 %

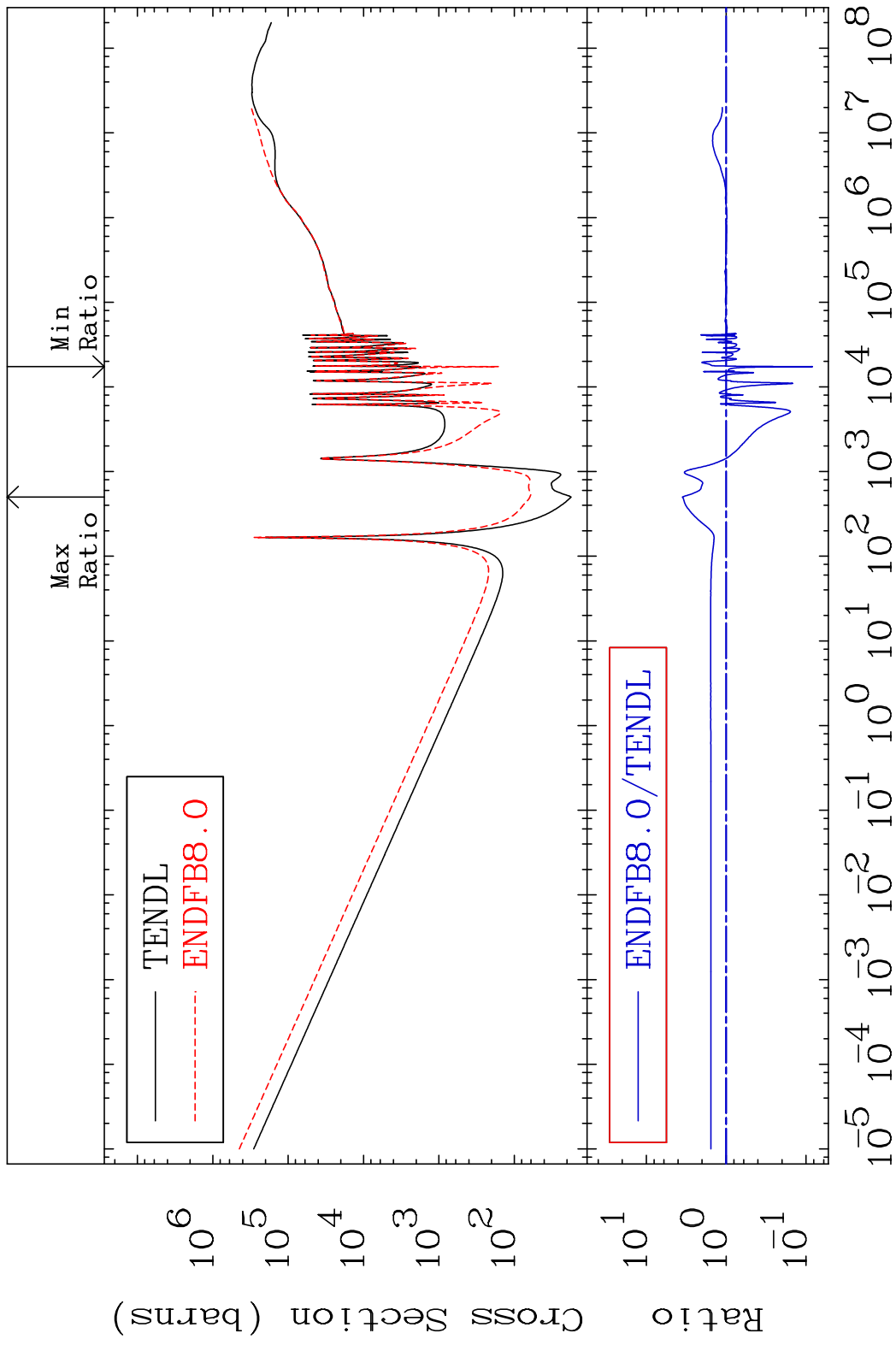


44 Incident Energy (eV) 23-V -50

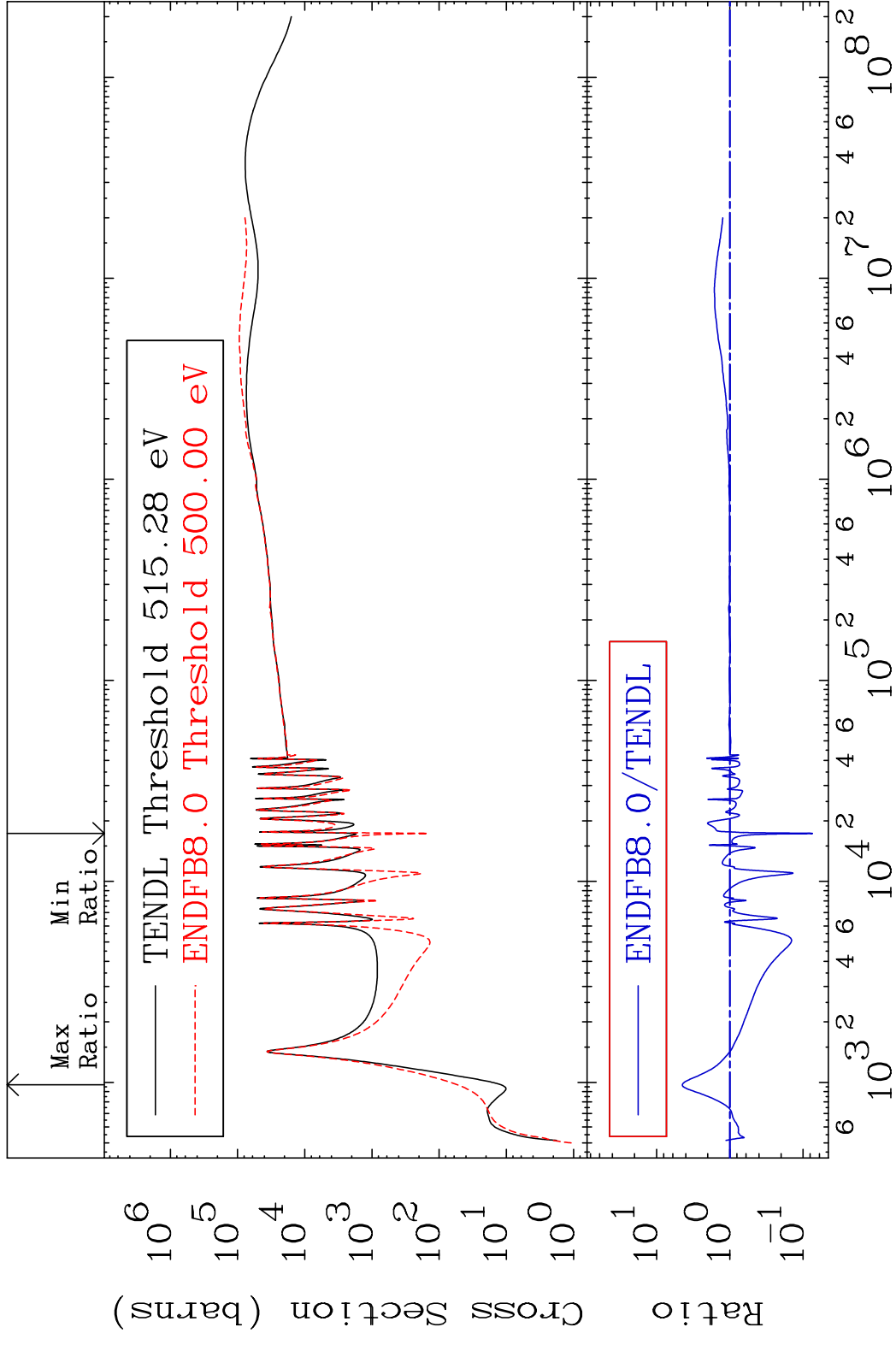
MAT 2325 Total kinematic kerma (high limit) 23-V -50
 Cross Section -59.96 To 2645. %



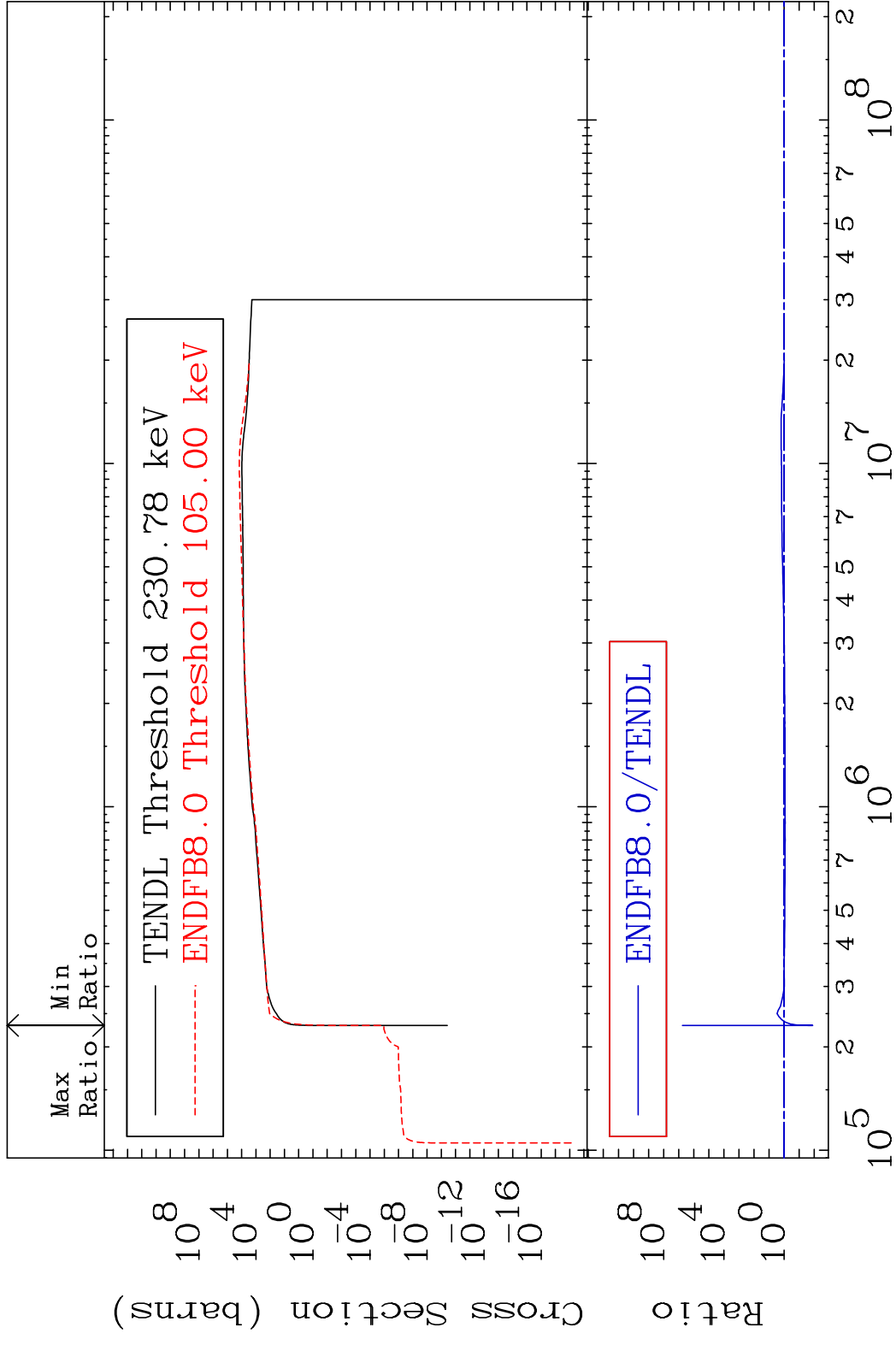
MAT 2325 Dpa total (eV-barns) 23-V -50
 Cross Section -91.73 To 253.4 %



MAT 2325 Dpa elastic (mt2) 23-V -50
 Cross Section -92.57 To 344.5 %

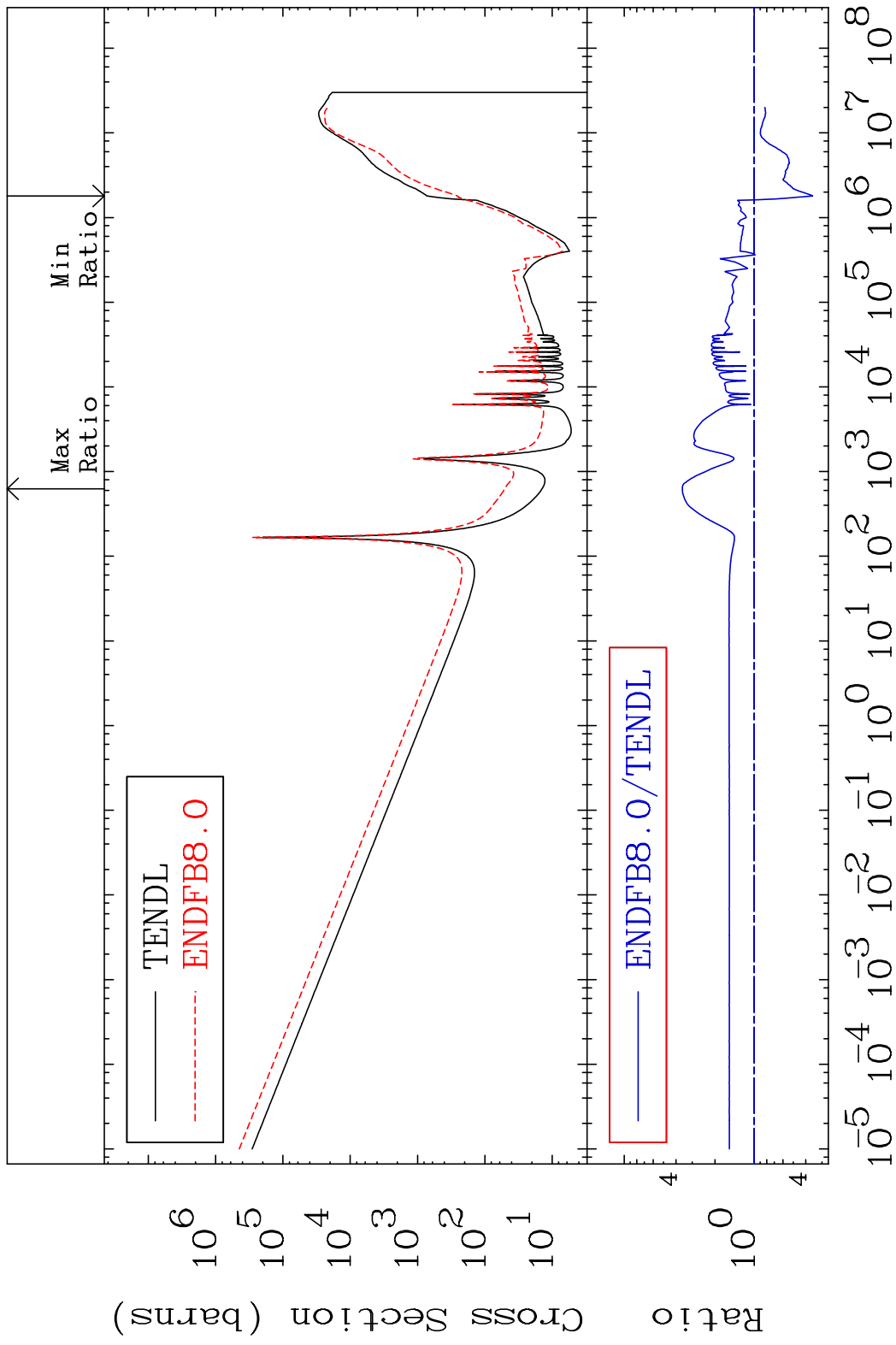


MAT 2325 Dpa inelastic (mt51-91) 23-V -50
 Cross Section -98.70 To 9999. %



48 Incident Energy (eV) 23-V -50

MAT 2325 Dpa disappearance (mt102 -120) 23-V -50
 Cross Section -64.53 To 257.1 %



49 Incident Energy (eV) 23-V -50