

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

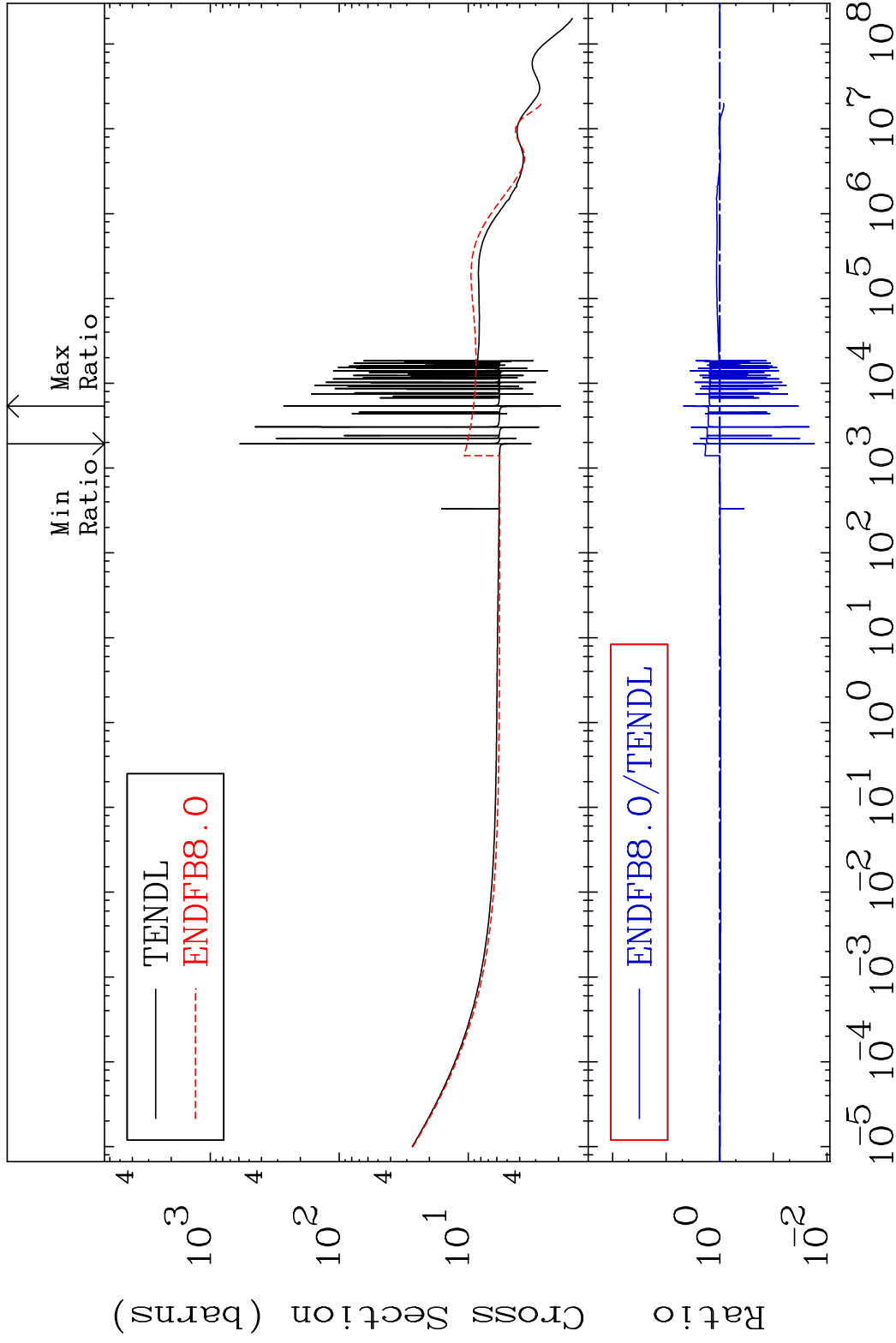
Press Mouse Button to Start

MAT 3840

Total

38-Sr-89

Cross Section -98.27 To 370.6 %



1

Incident Energy (eV)

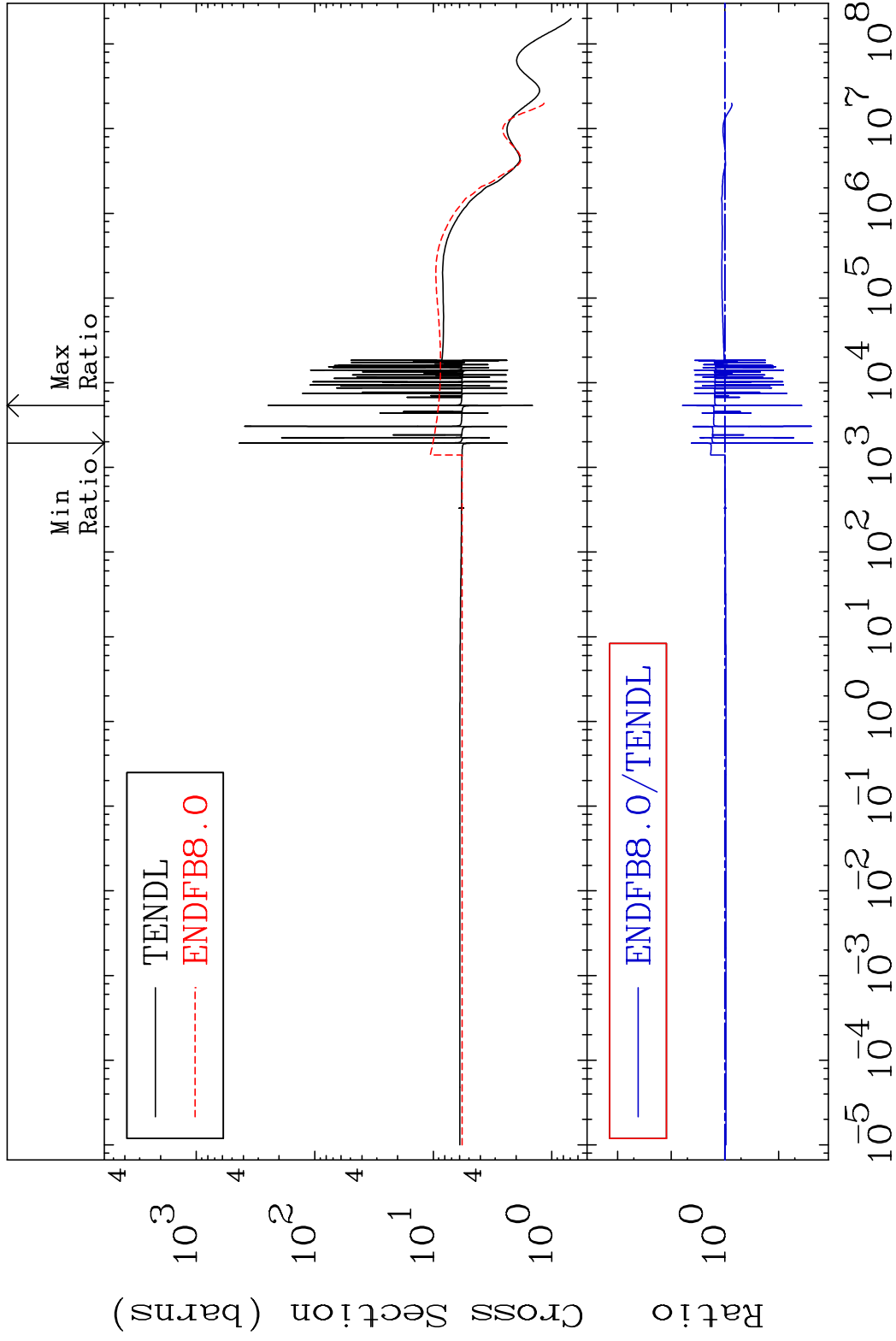
38-Sr-89

MAT 3840

Elastic

38-Sr-89

Cross Section -97.67 To 521.3 %

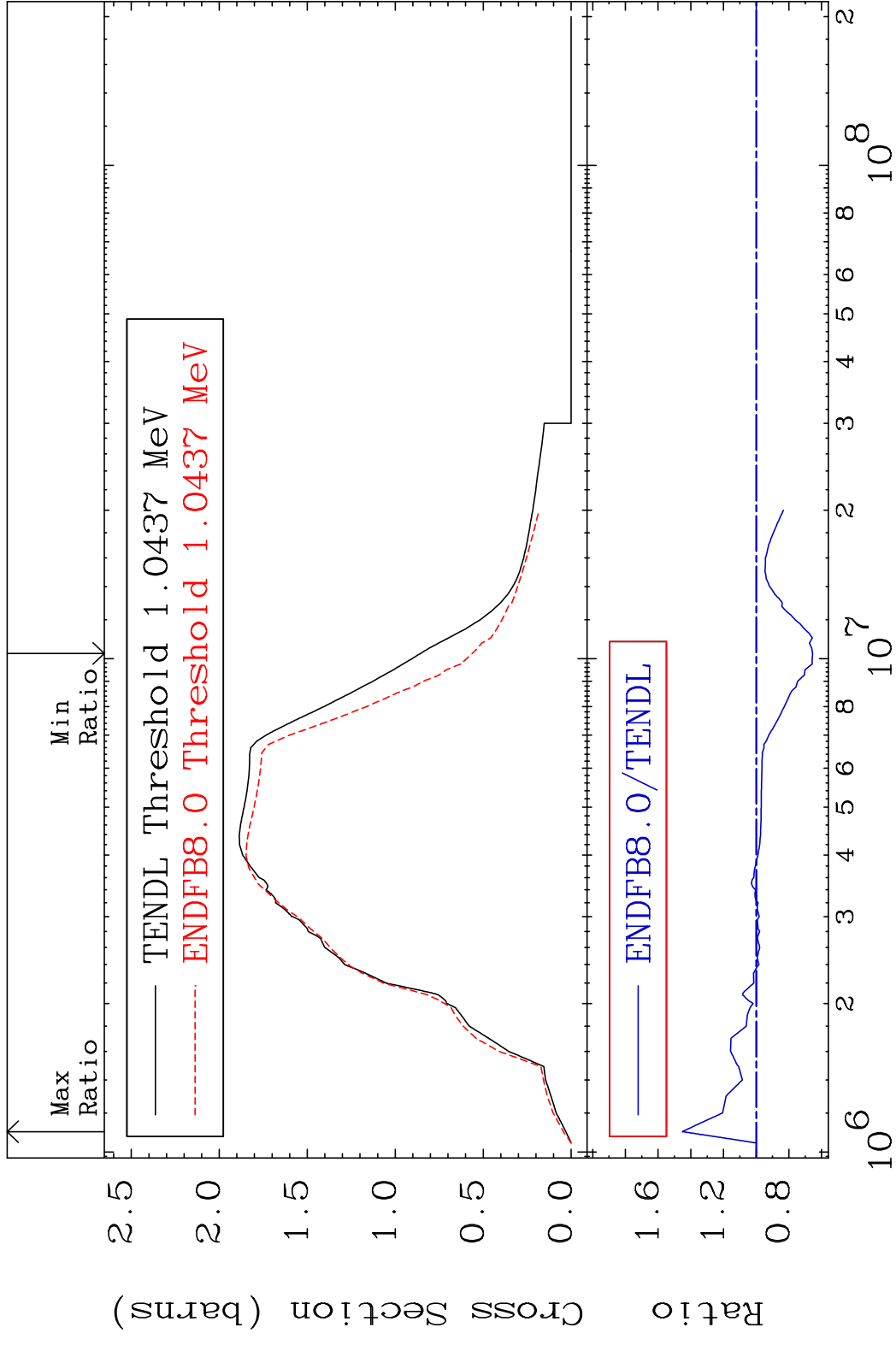


2

Incident Energy (eV)

38-Sr-89

MAT 3840 Inelastic 38-Sr-89
 Cross Section -34.47 To 45.16 %



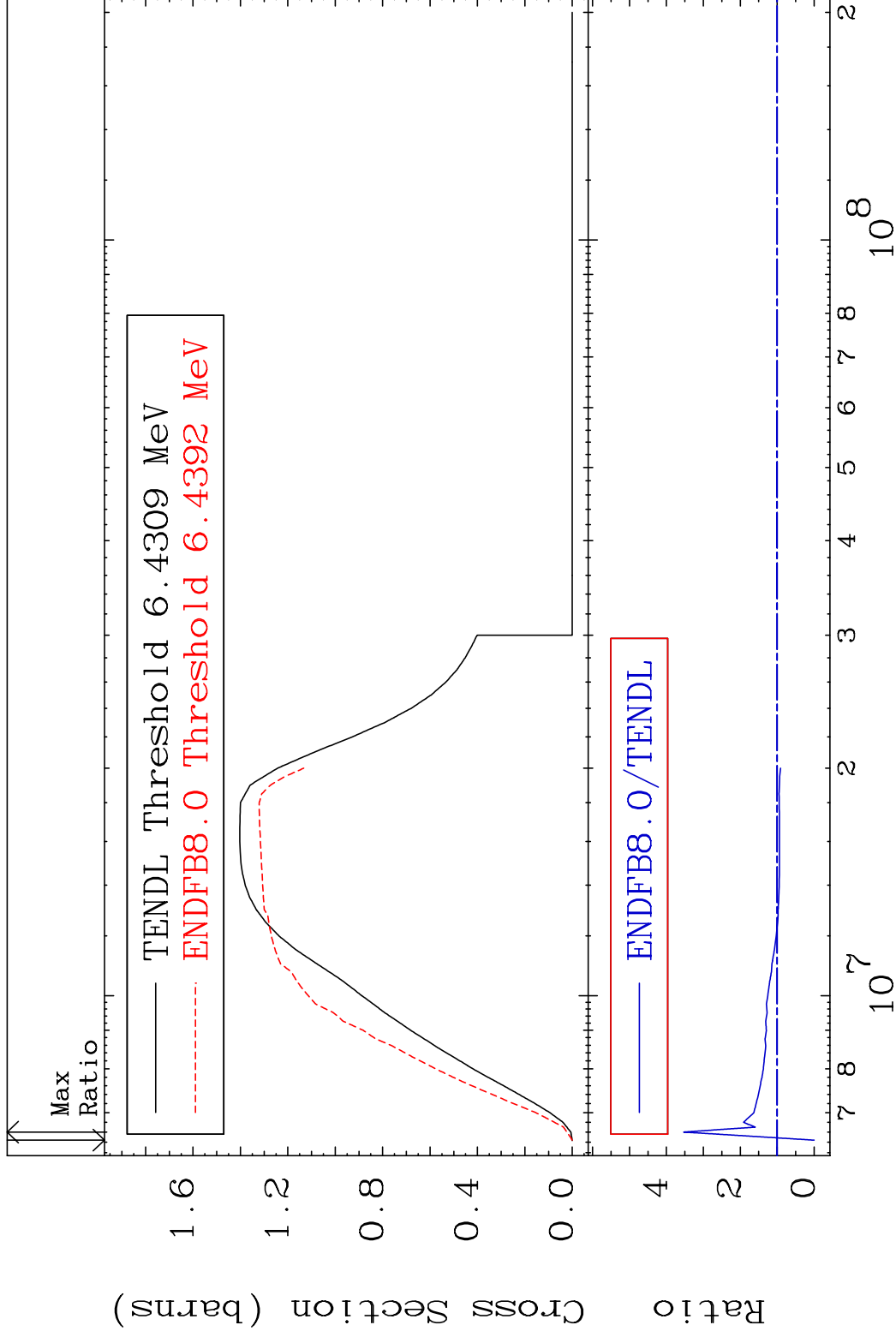
3 38-Sr-89

MAT 3840

(n,2n)

38-Sr-89

Cross Section -100.0 To 253.4 %

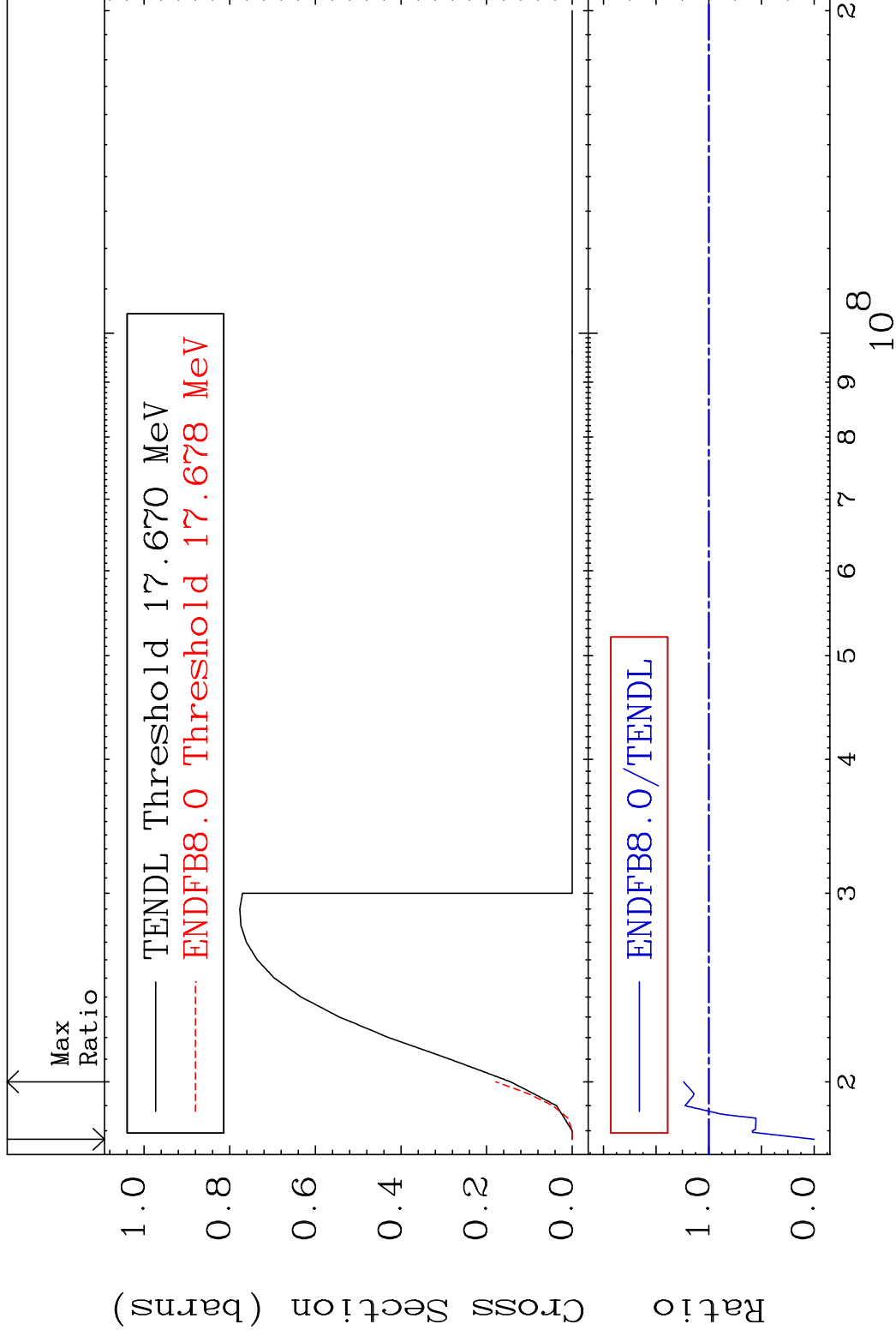


MAT 3840

(n,3n)

38-Sr-89

Cross Section -100.0 To 23.83 %



5

Incident Energy (eV)

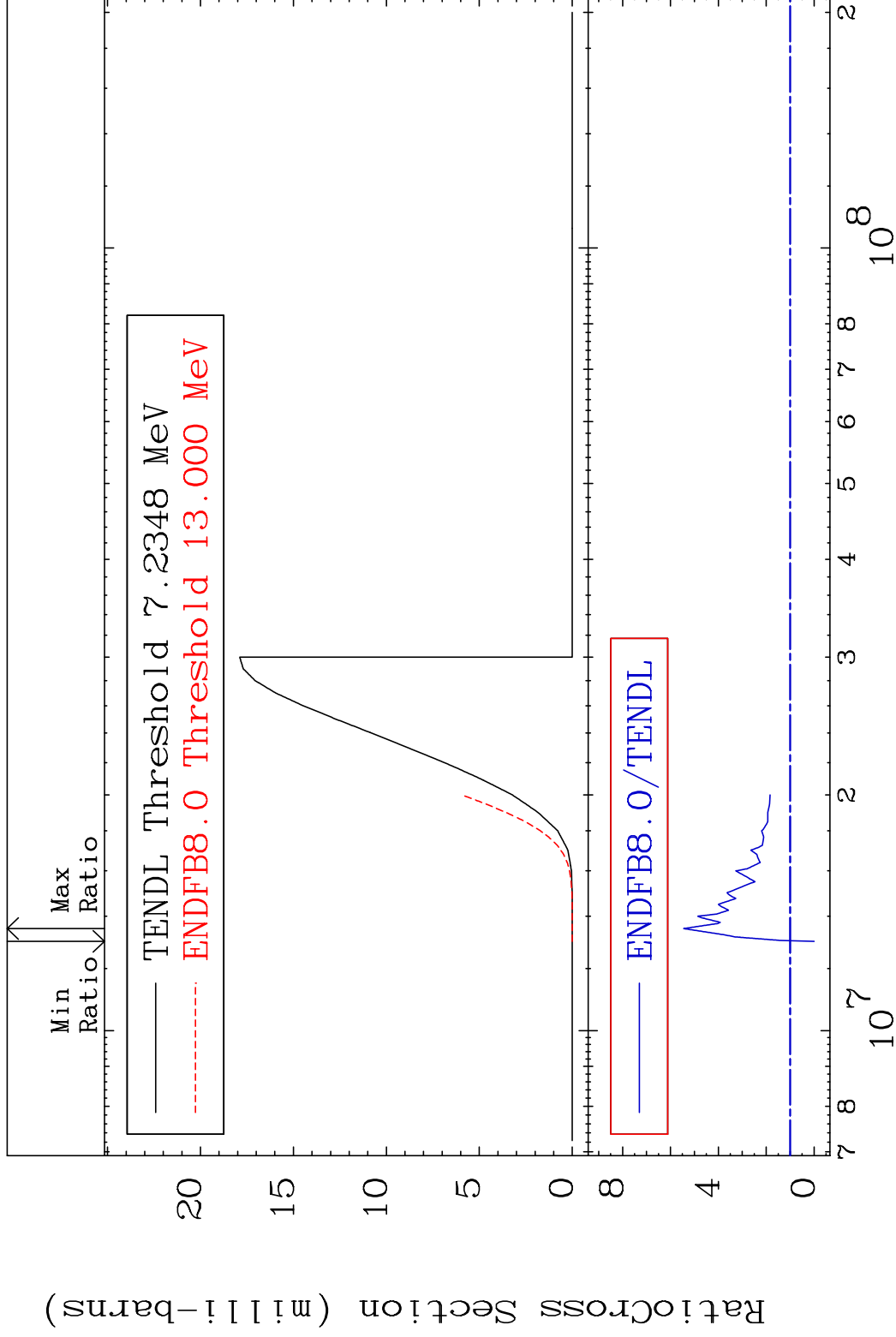
38-Sr-89

MAT 3840

(n, n') α

38-Sr-89

Cross Section -100.0 To 444.9 %

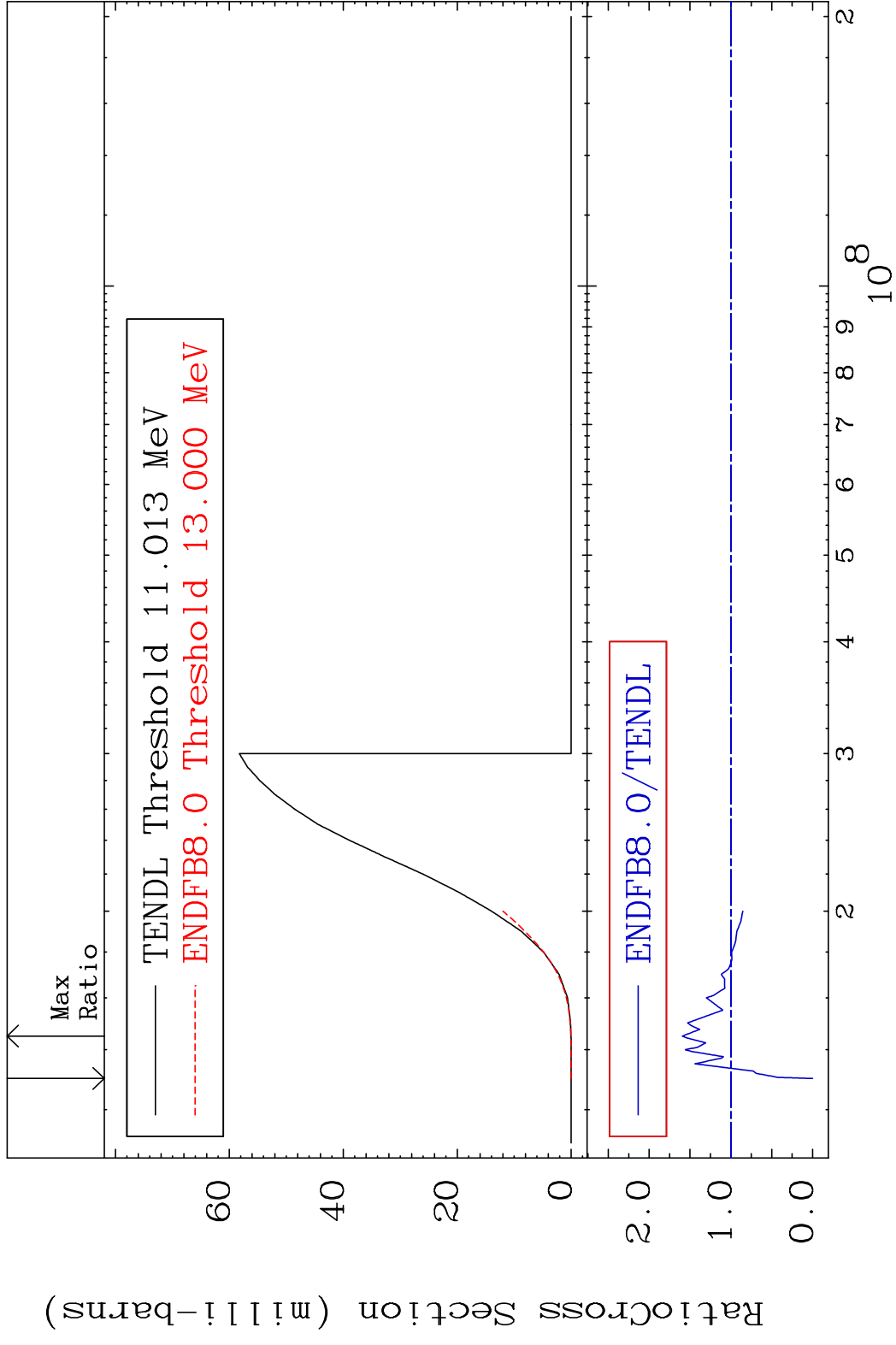


6

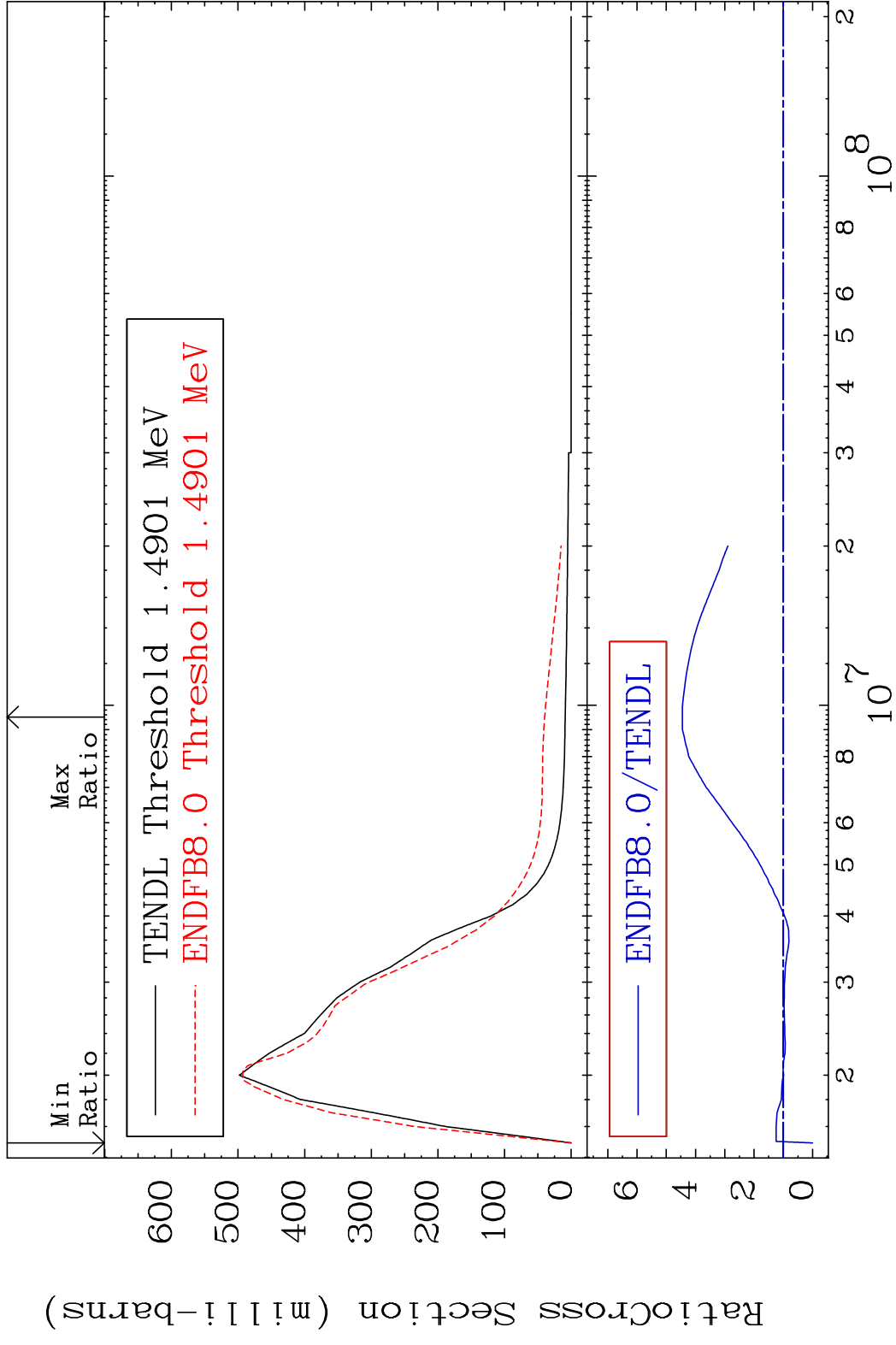
Incident Energy (eV)

38-Sr-89

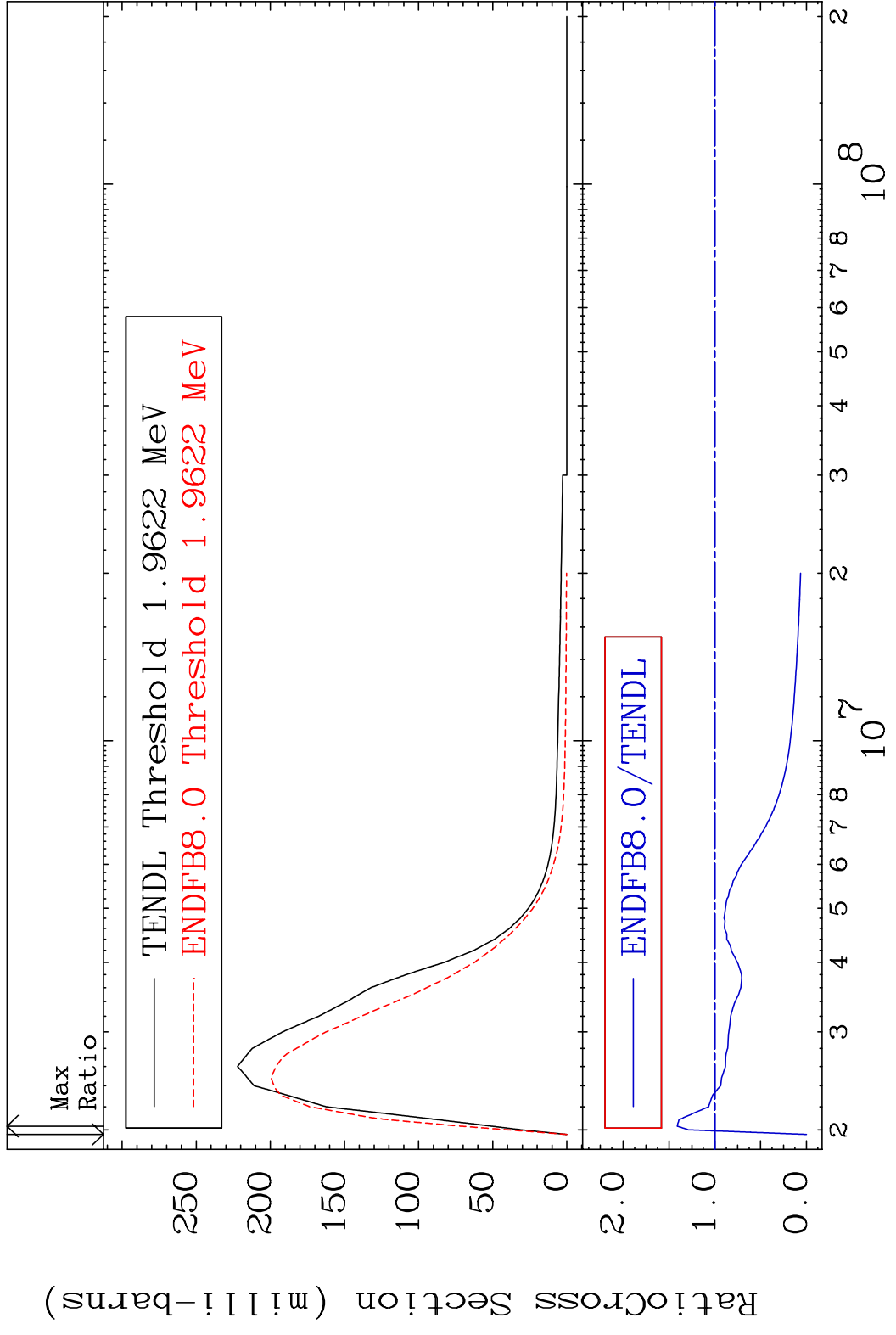
MAT 3840 (n, n') p 38-Sr-89
 Cross Section -100.0 To 59.38 %



MAT 3840 MT= 52 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 345.0 %

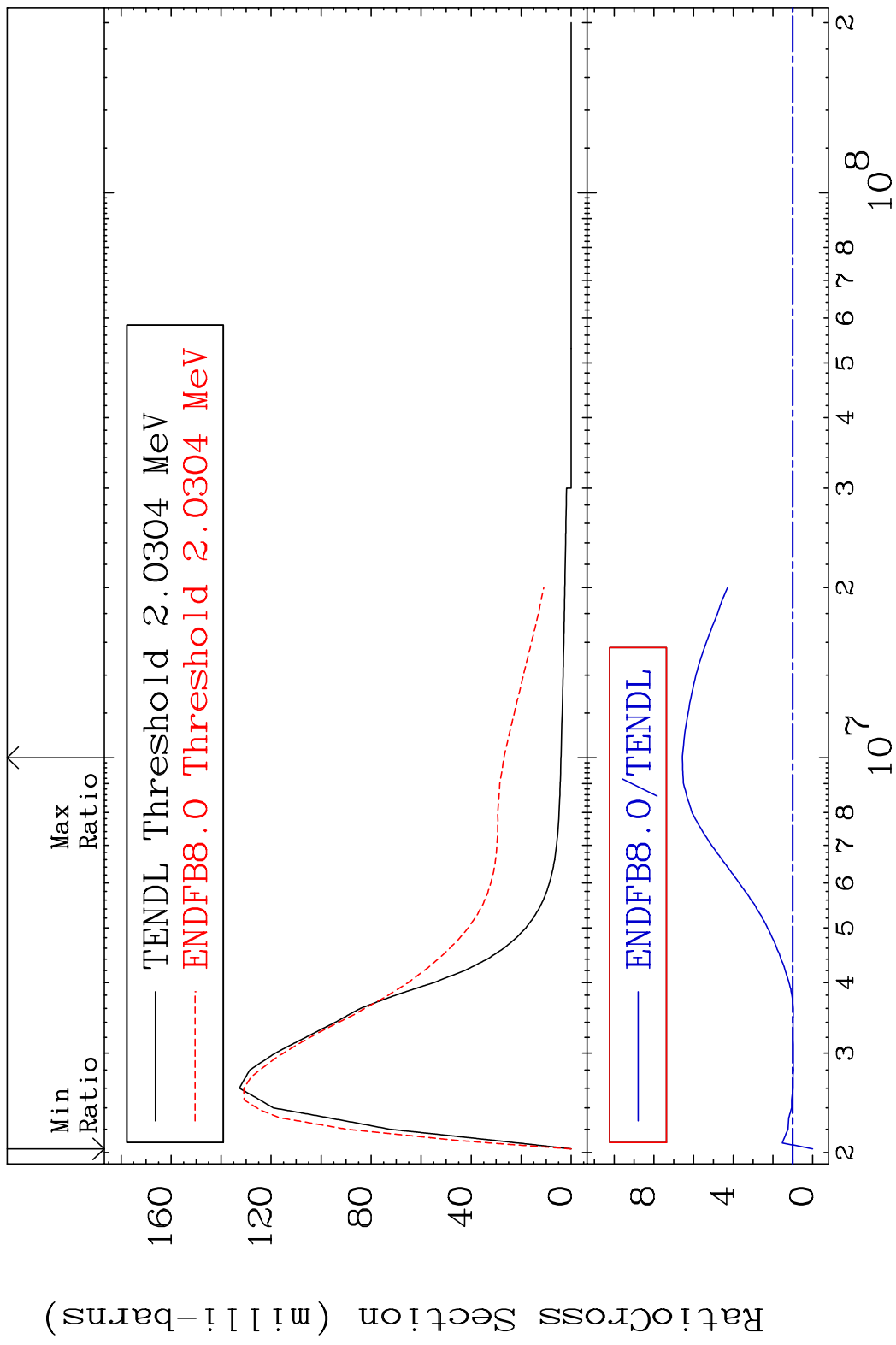


MAT 3840 MT= 53 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 41.04 %

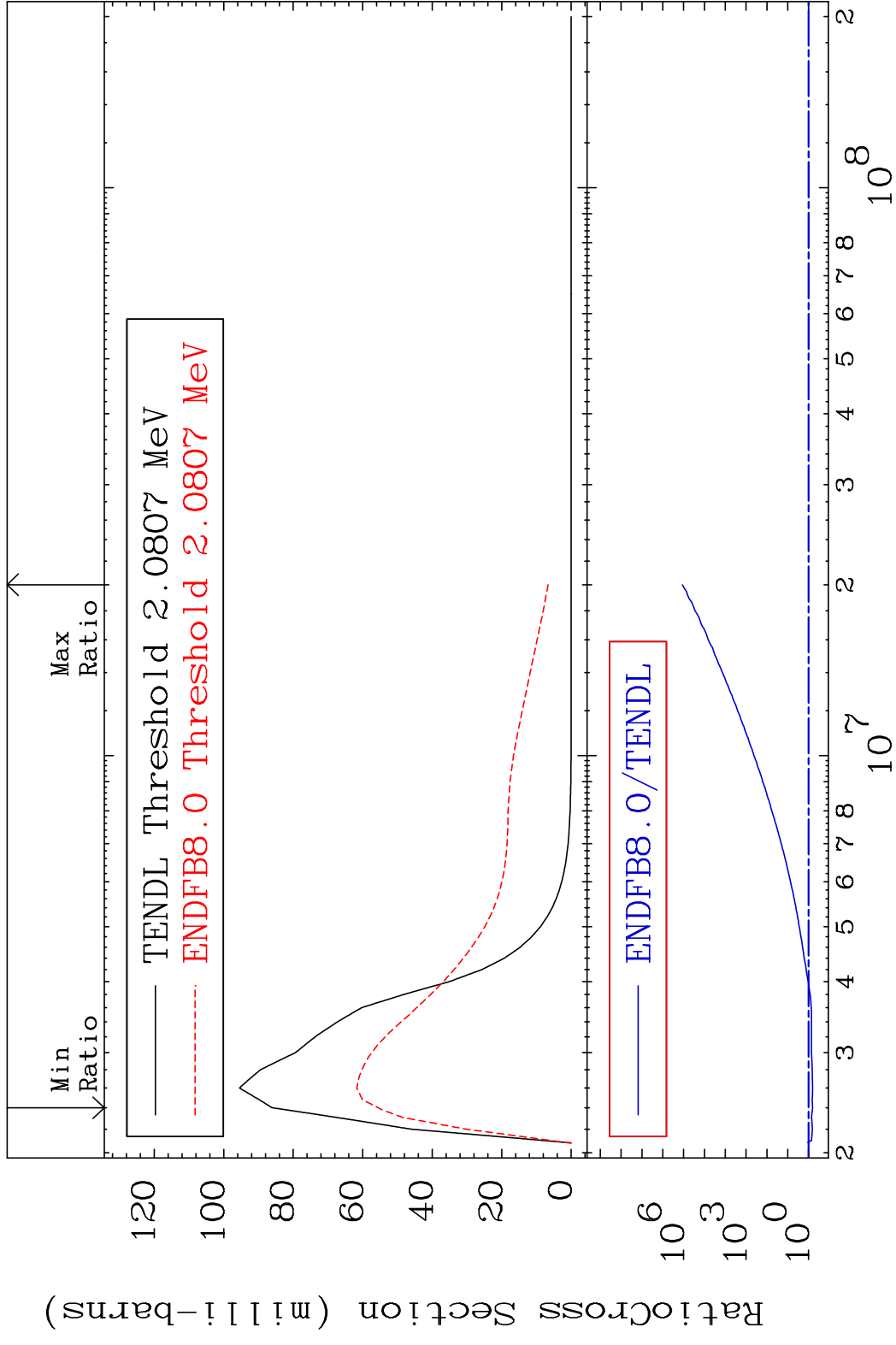


10 Incident Energy (eV) 38-Sr-89

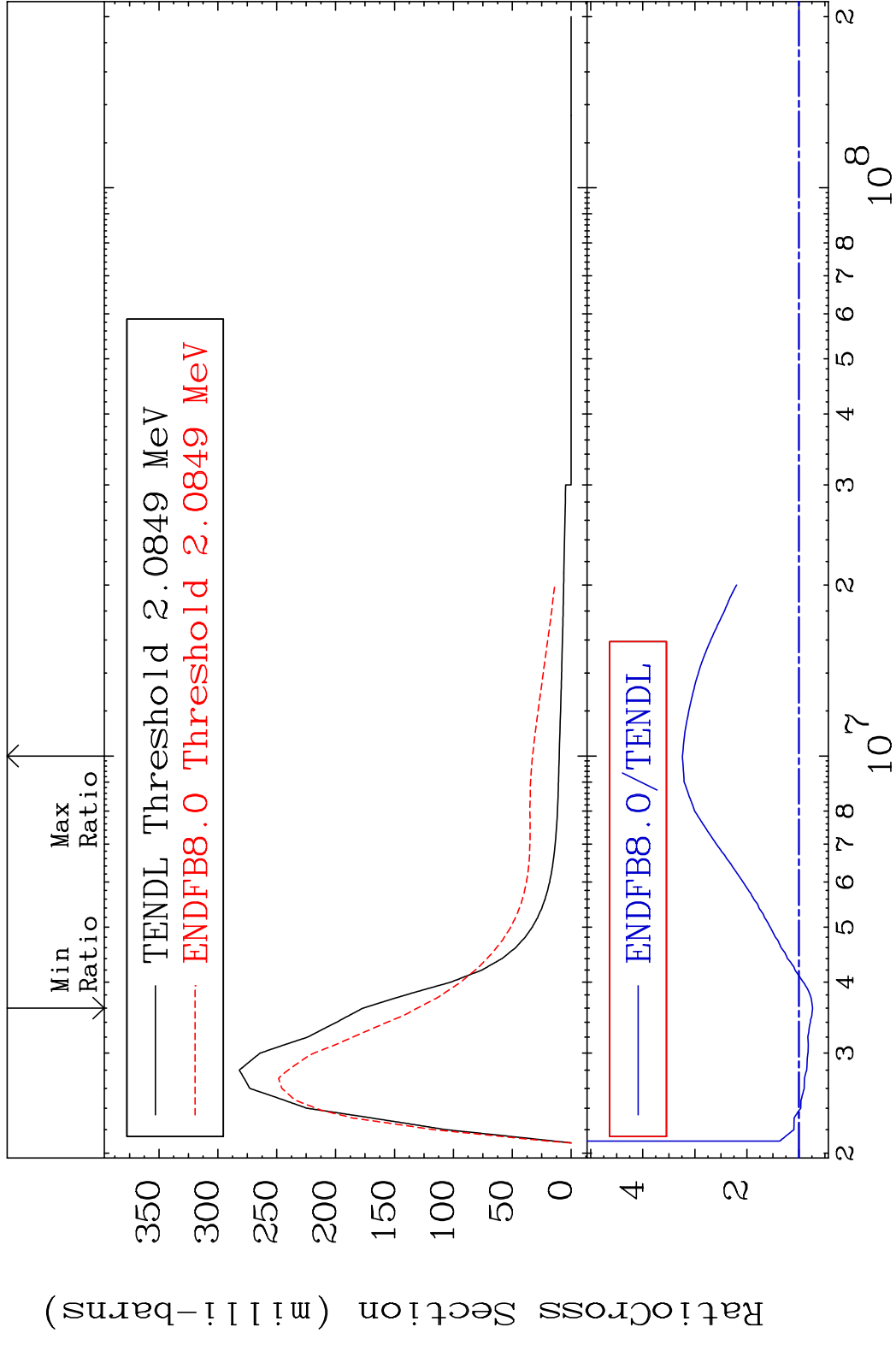
MAT 3840 MT= 54 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 556.4 %



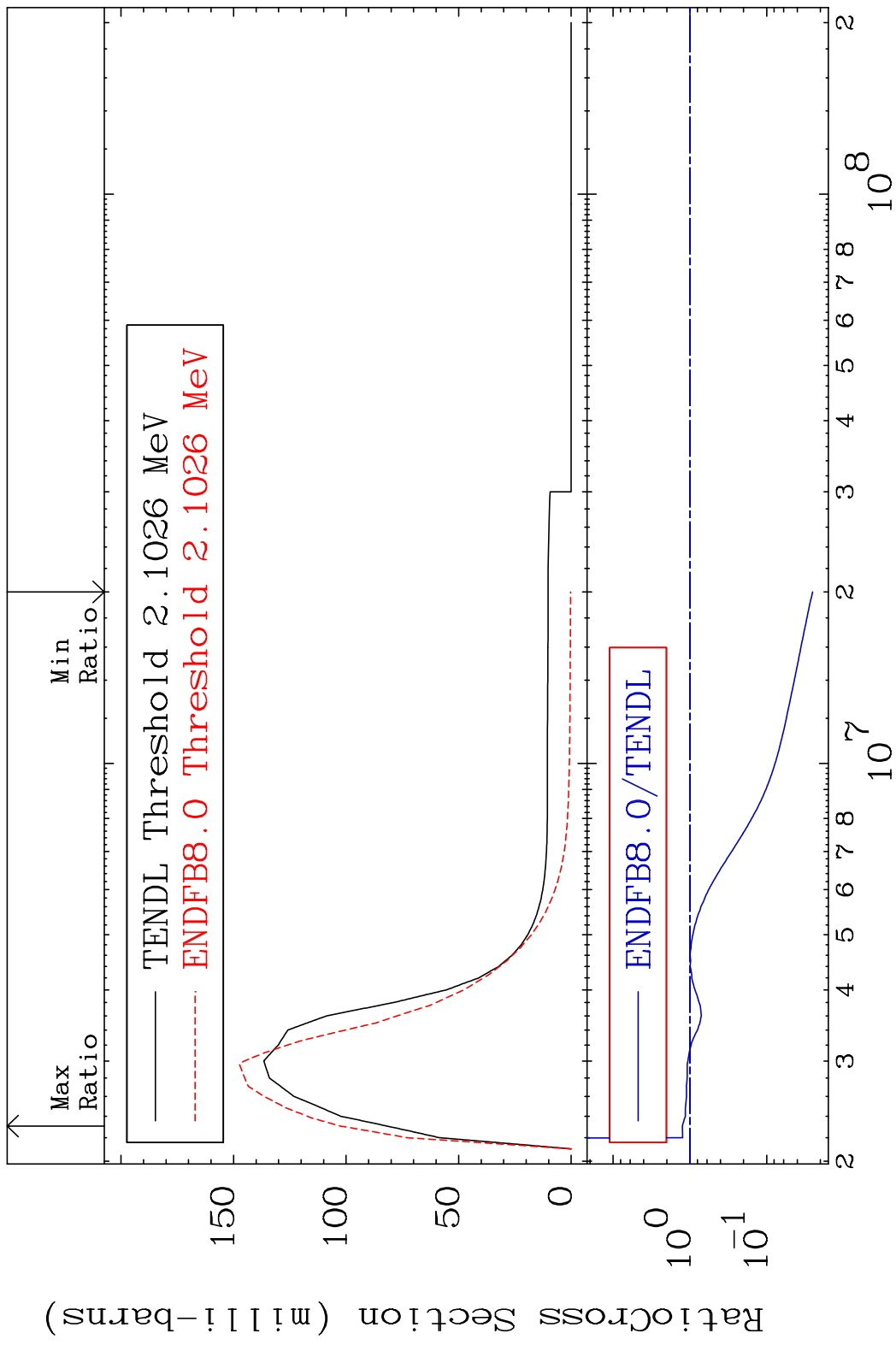
MAT 3840 MT= 55 (n, n') Level 38-Sr-89
 Cross Section -35.43 To 9999. %



MAT 3840 MT= 56 (n,n') Level 38-Sr-89
 Cross Section -26.11 To 224.0 %

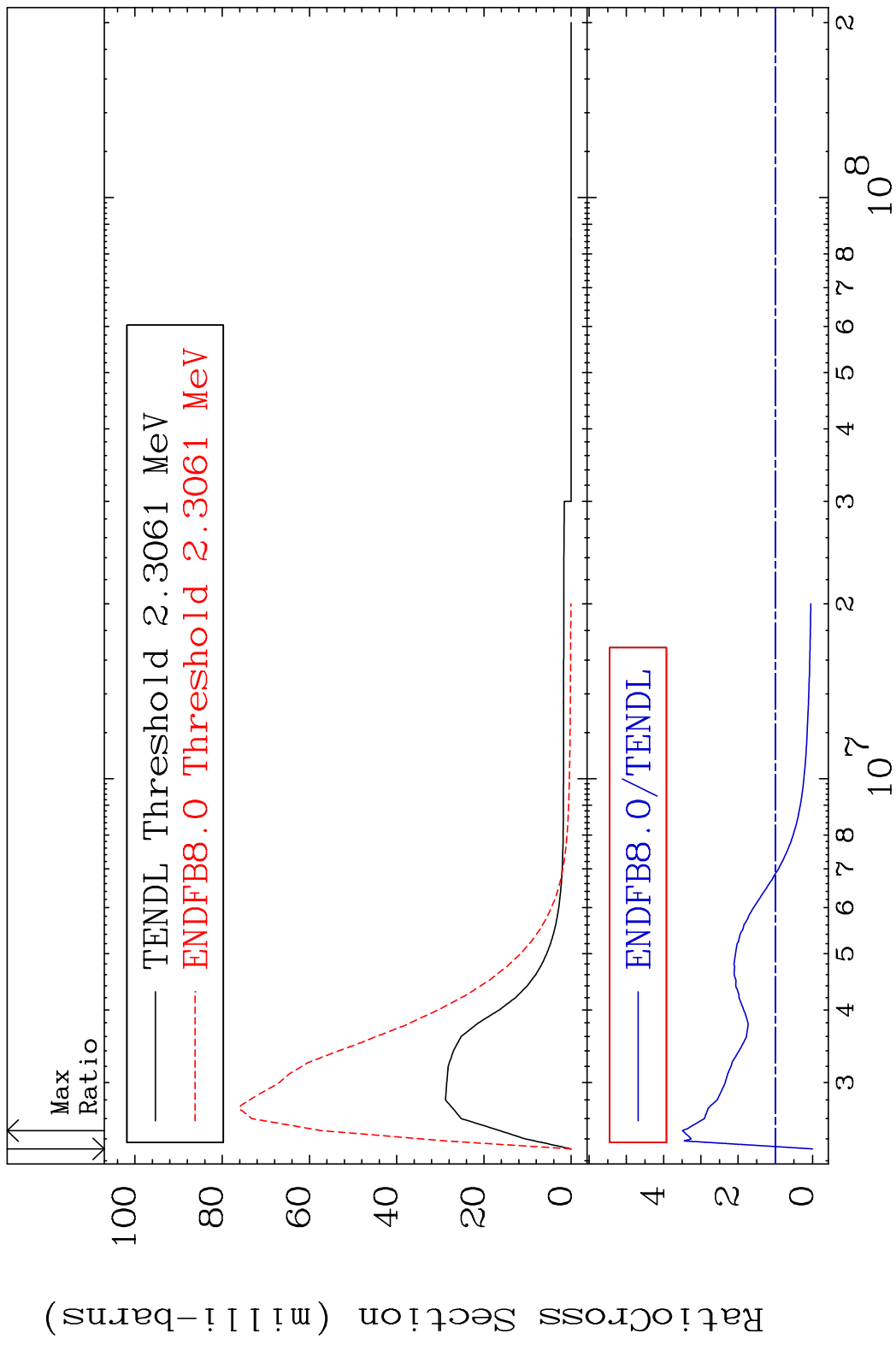


MAT 3840 MT= 57 (n, n') Level 38-Sr-89
 Cross Section -97.47 To 25.36 %

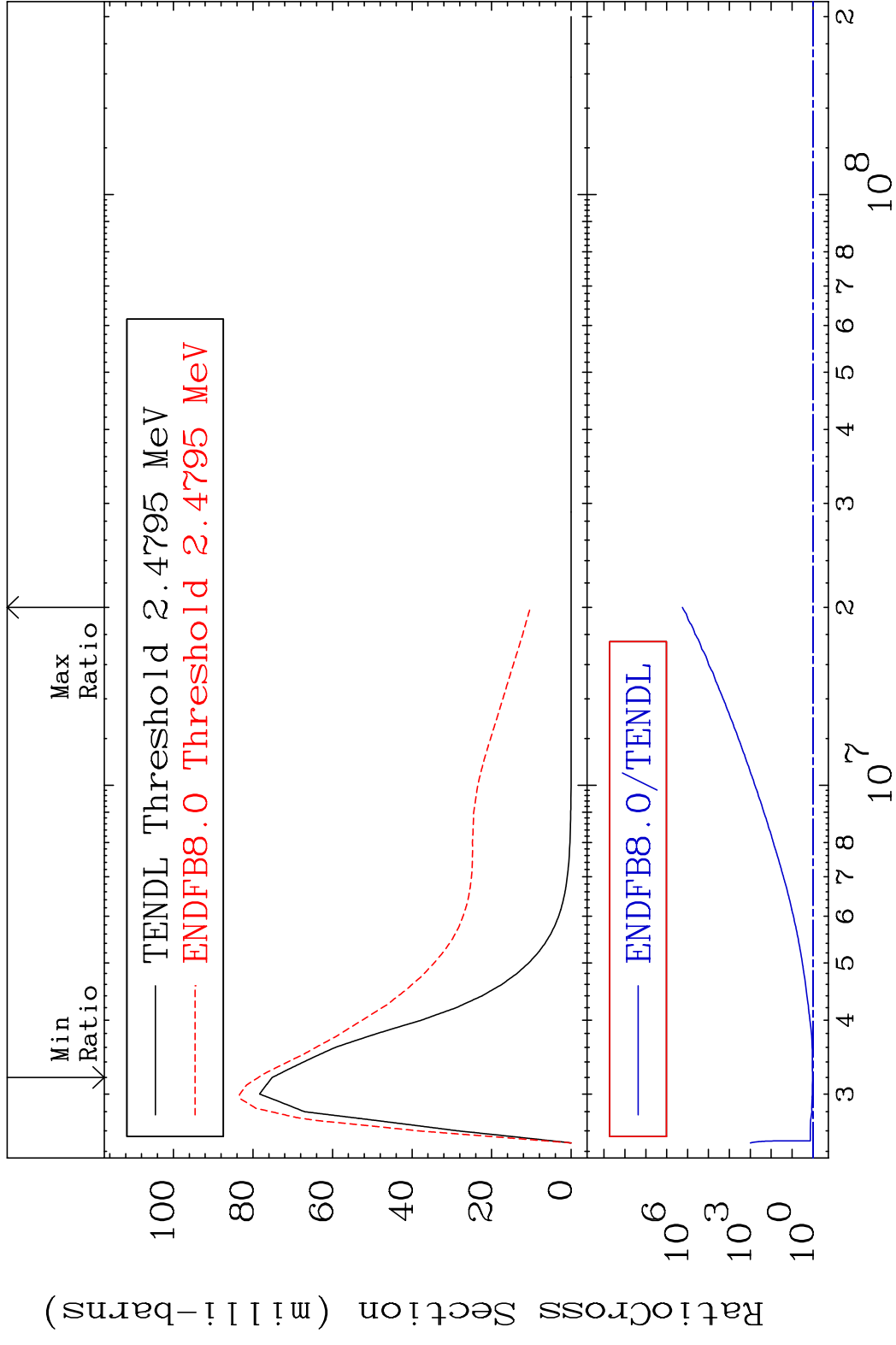


14 Incident Energy (eV) 38-Sr-89

MAT 3840 MT= 58 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 249.7 %

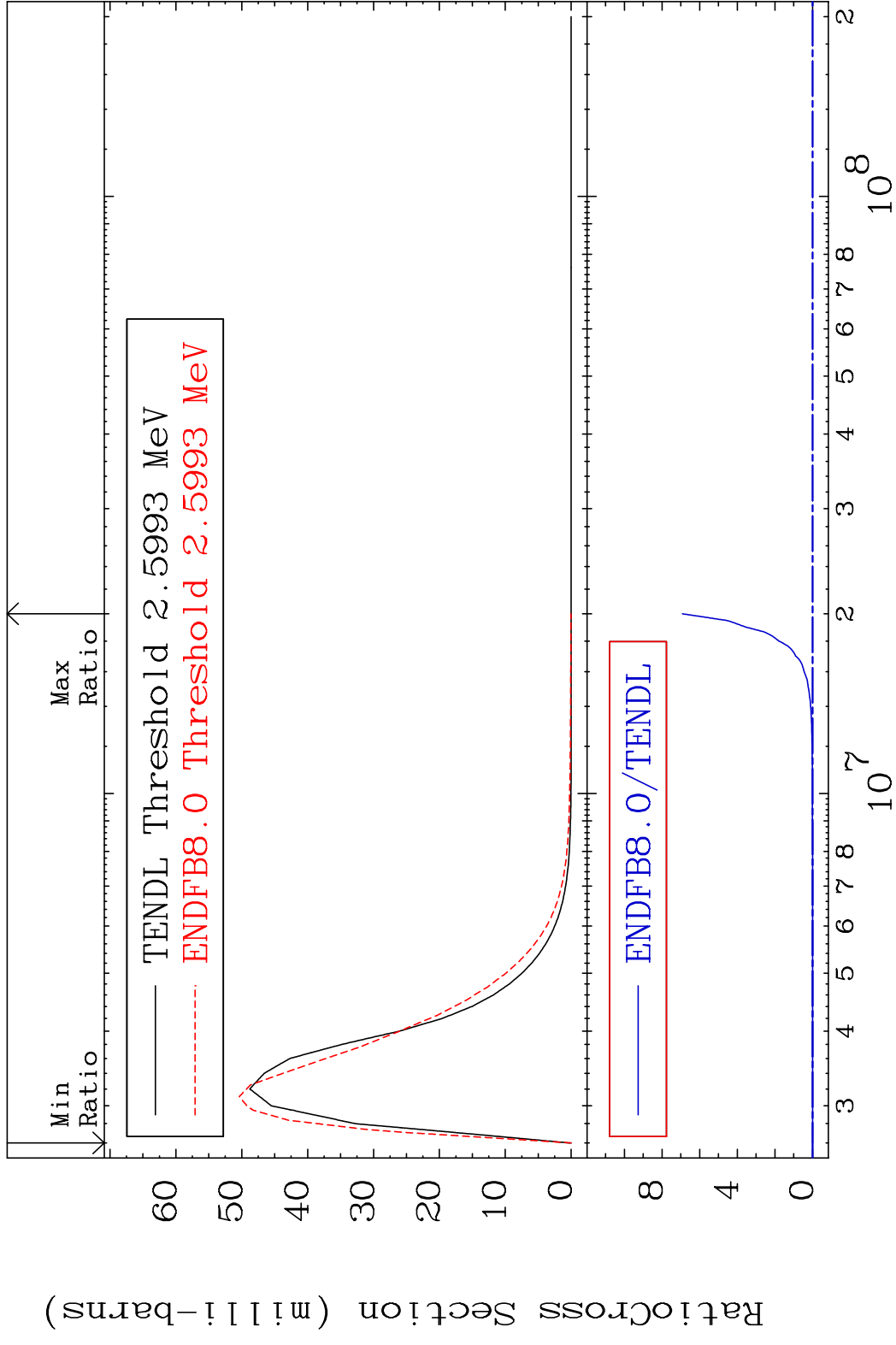


MAT 3840 MT= 59 (n, n') Level 38-Sr-89
 Cross Section 4.650 To 9999. %

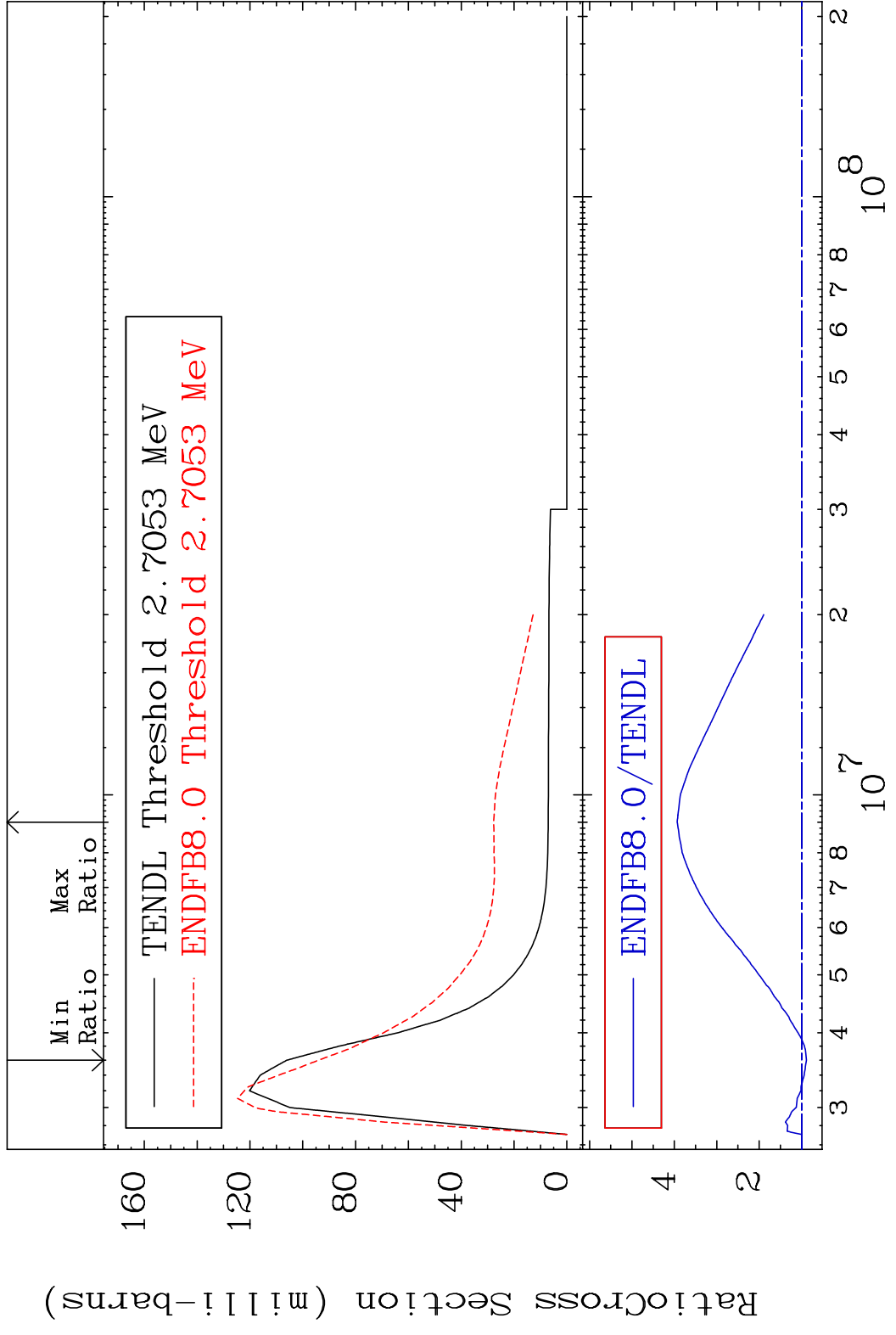


16 Incident Energy (eV) 38-Sr-89

MAT 3840 MT= 60 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 9999. %

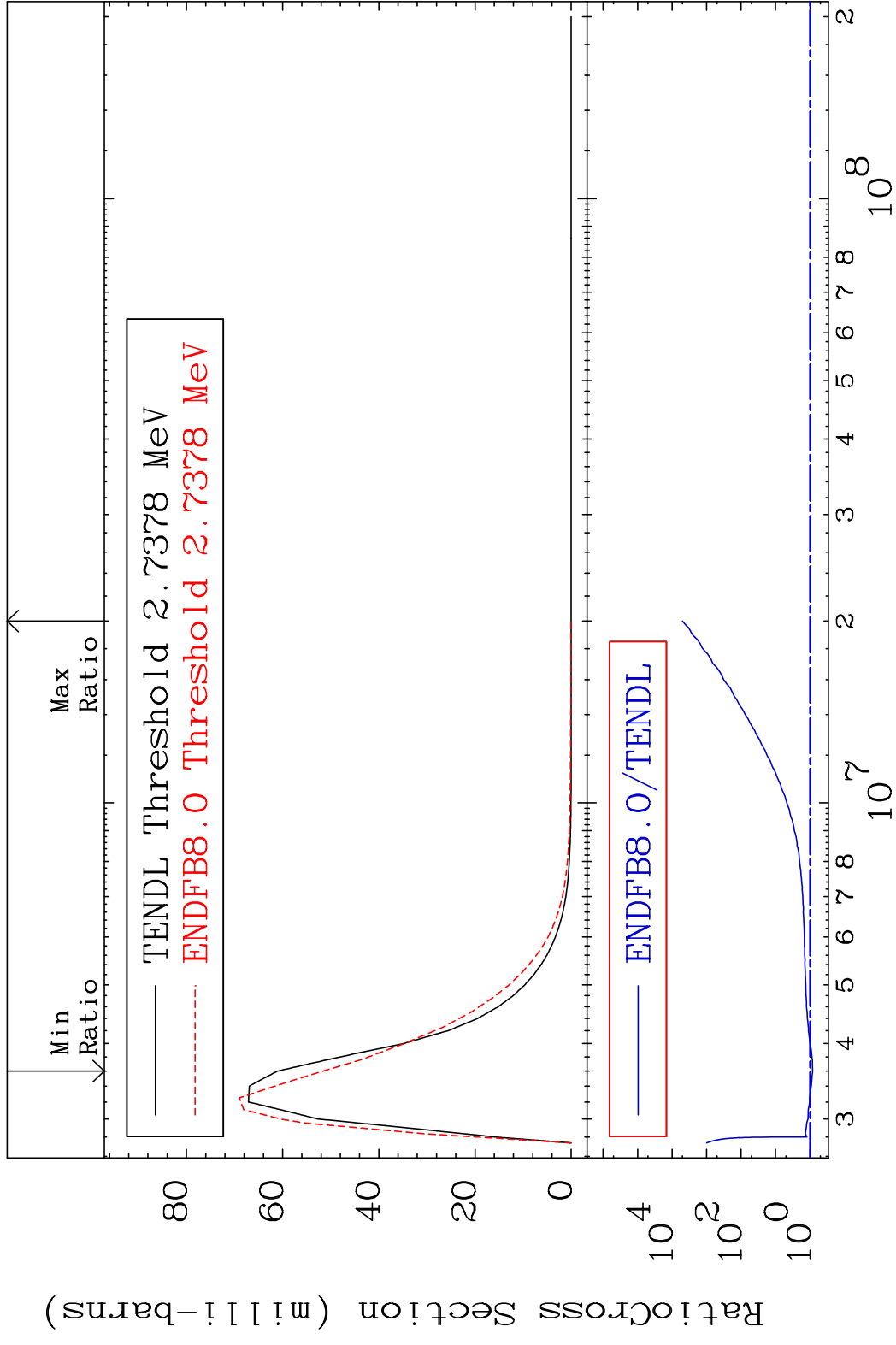


MAT 3840 MT= 61 (n, n') Level 38-Sr-89
 Cross Section -11.34 To 293.3 %



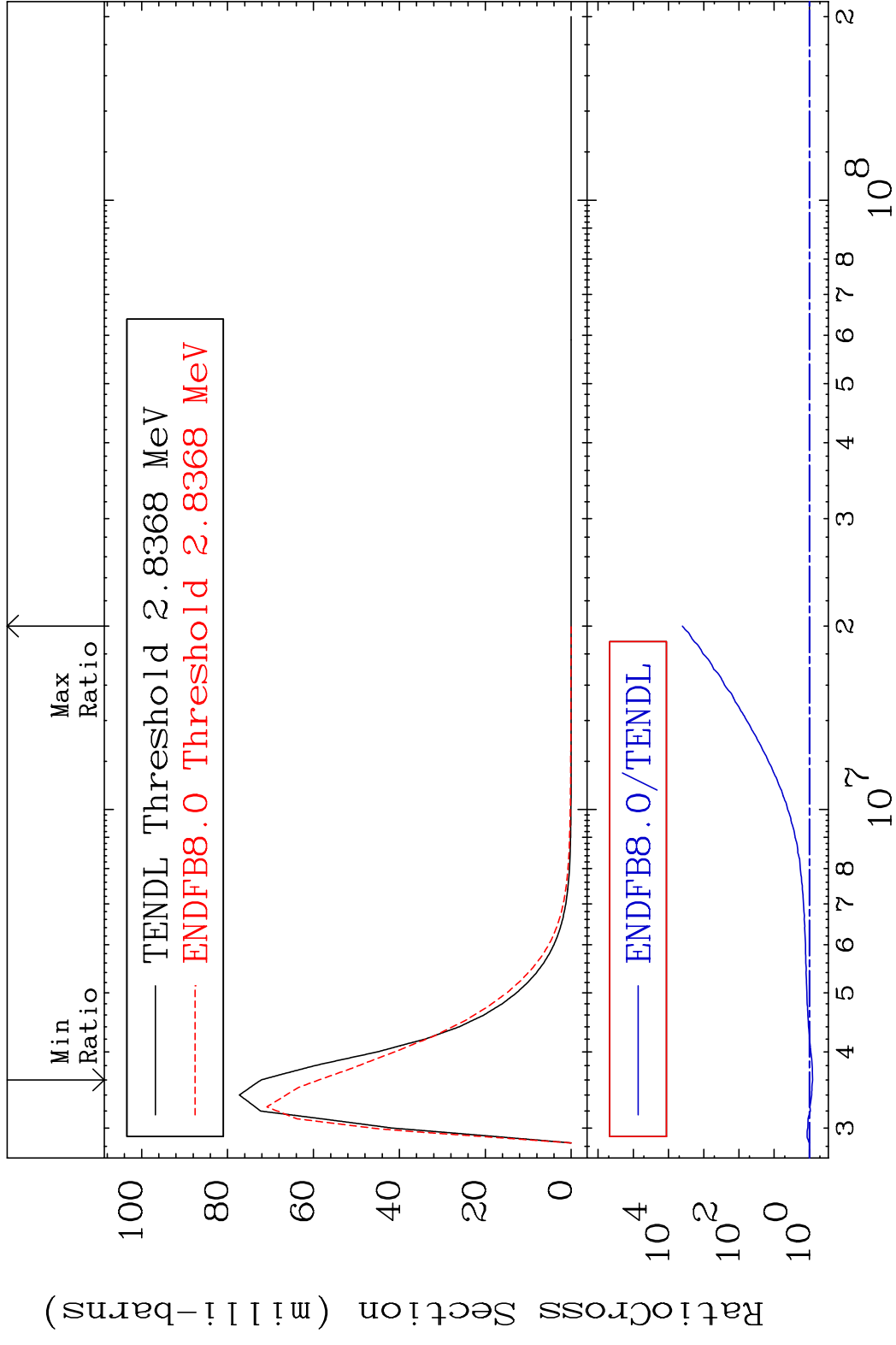
18 38-Sr-89

MAT 3840 MT= 62 (n, n') Level 38-Sr-89
 Cross Section -15.48 To 9999. %



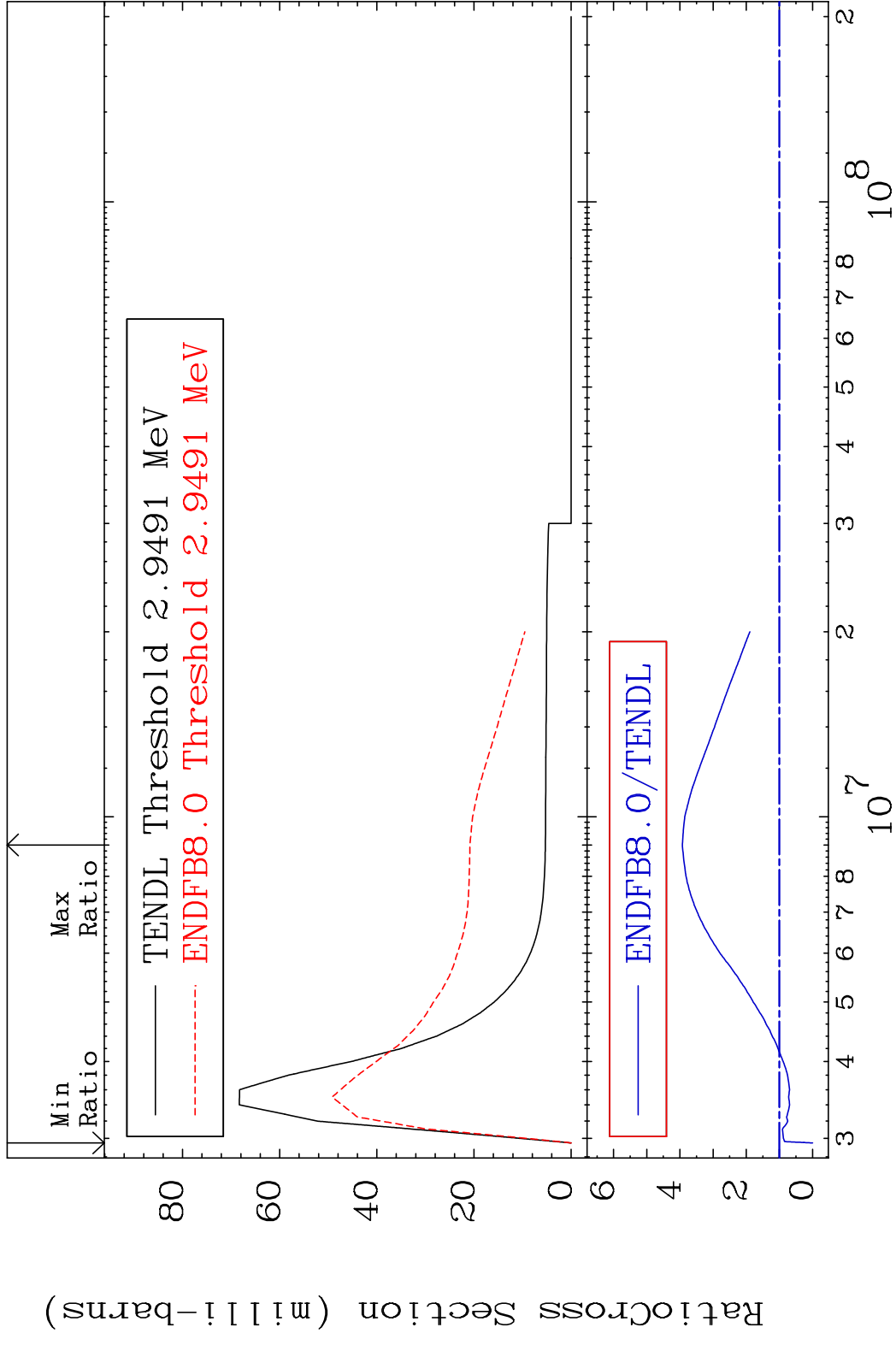
19 Incident Energy (eV) 38-Sr-89

MAT 3840 MT= 63 (n, n') Level 38-Sr-89
 Cross Section -18.68 To 9999. %

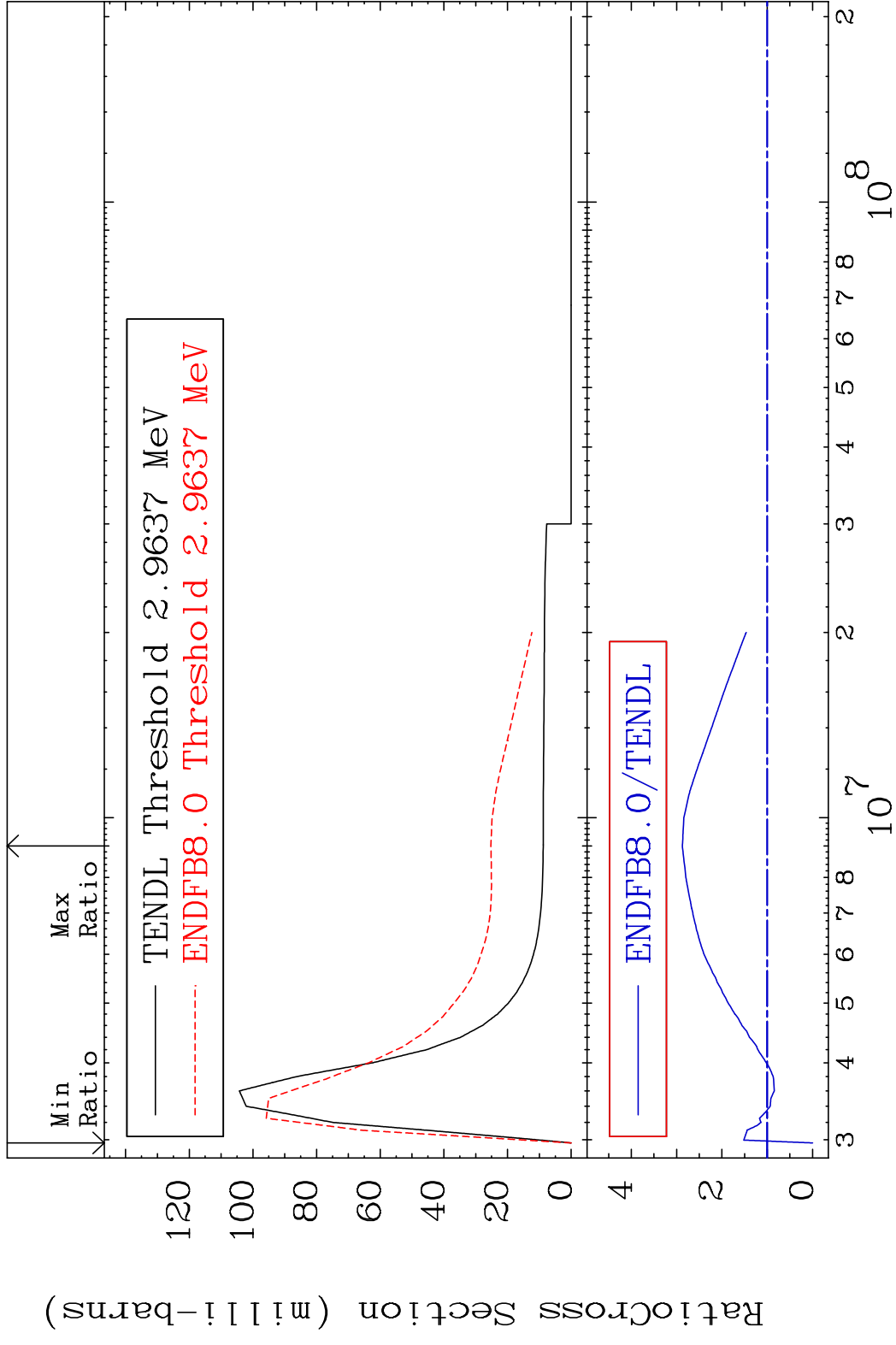


20 Incident Energy (eV) 38-Sr-89

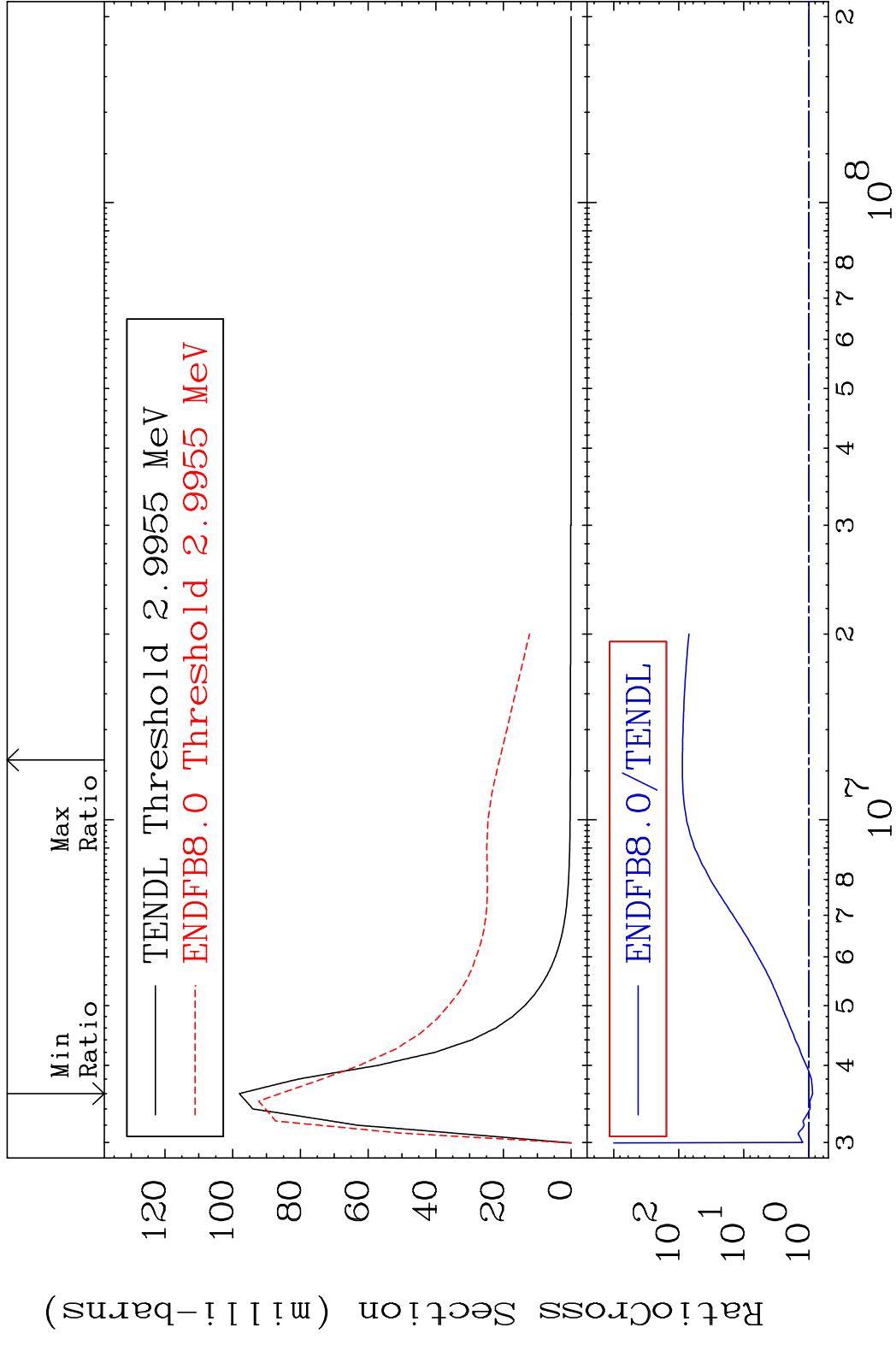
MAT 3840 MT= 64 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 292.6 %



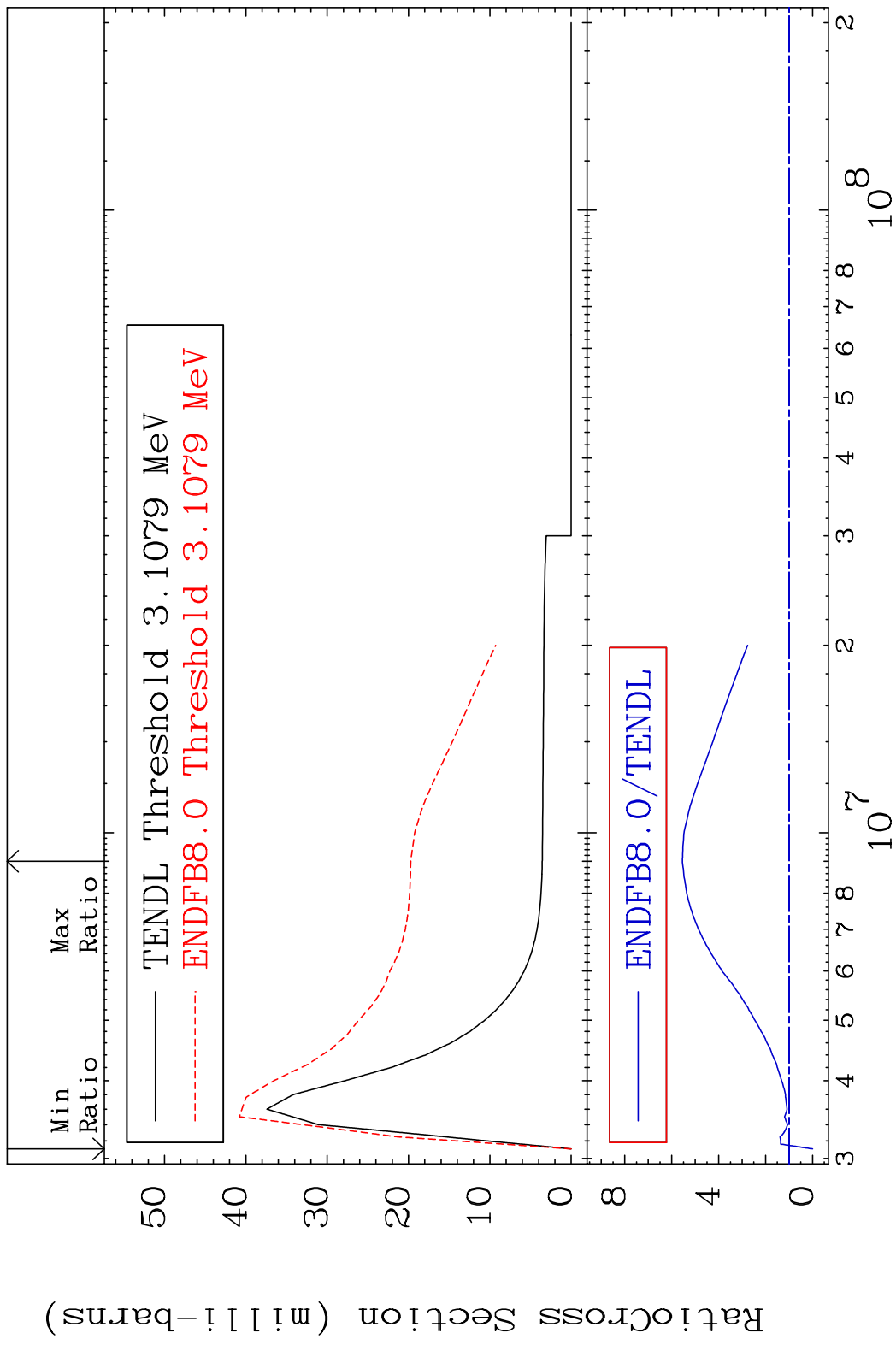
MAT 3840 MT= 65 (n,n') Level 38-Sr-89
 Cross Section -100.0 To 187.4 %



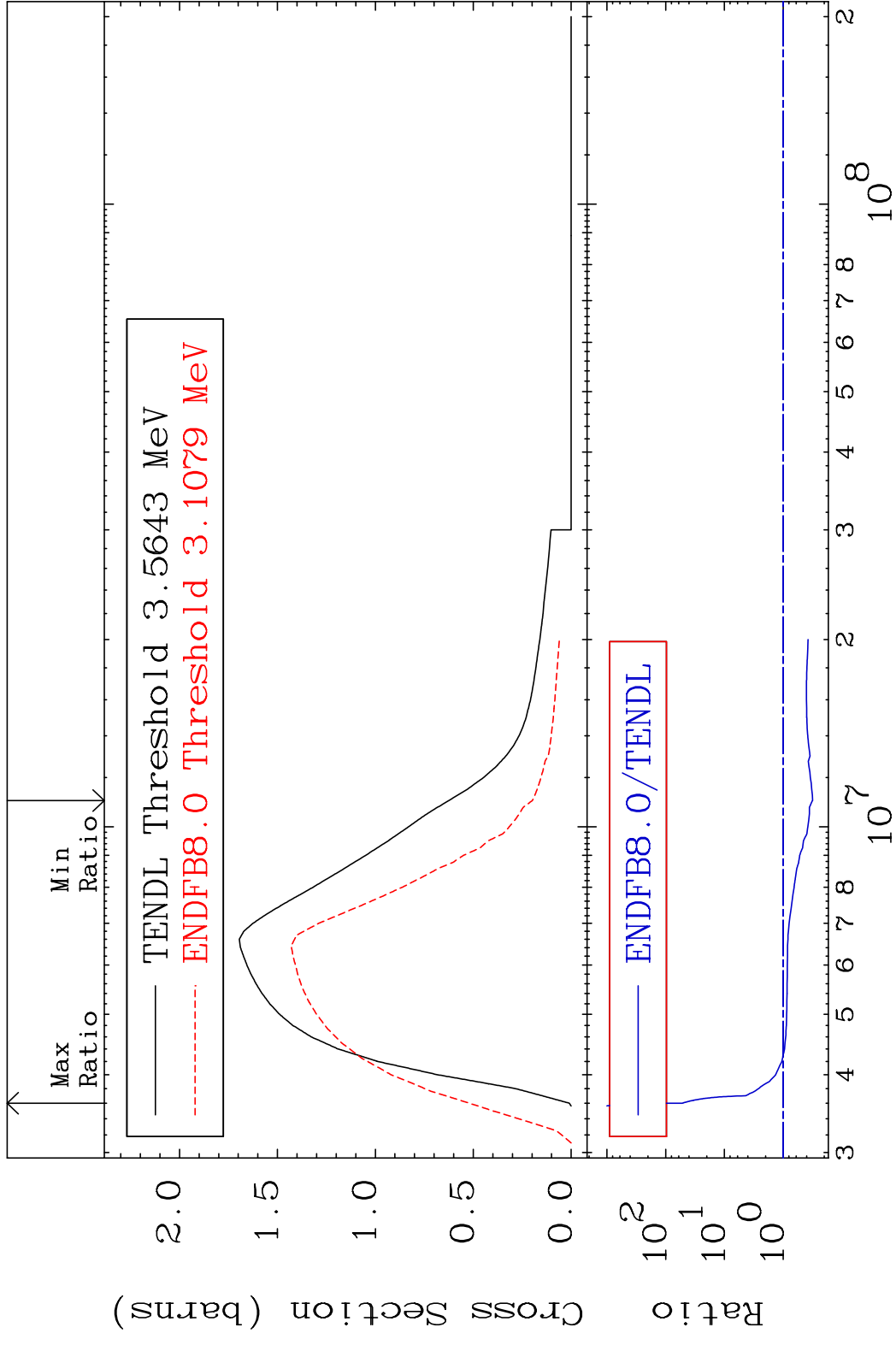
MAT 3840 MT= 66 (n,n') Level 38-Sr-89
 Cross Section -12.25 To 8706. %



MAT 3840 MT= 67 (n, n') Level 38-Sr-89
 Cross Section -100.0 To 454.7 %



MAT 3840 (n, n') Continuum 38-Sr-89
 Cross Section -68.31 To 5100. %

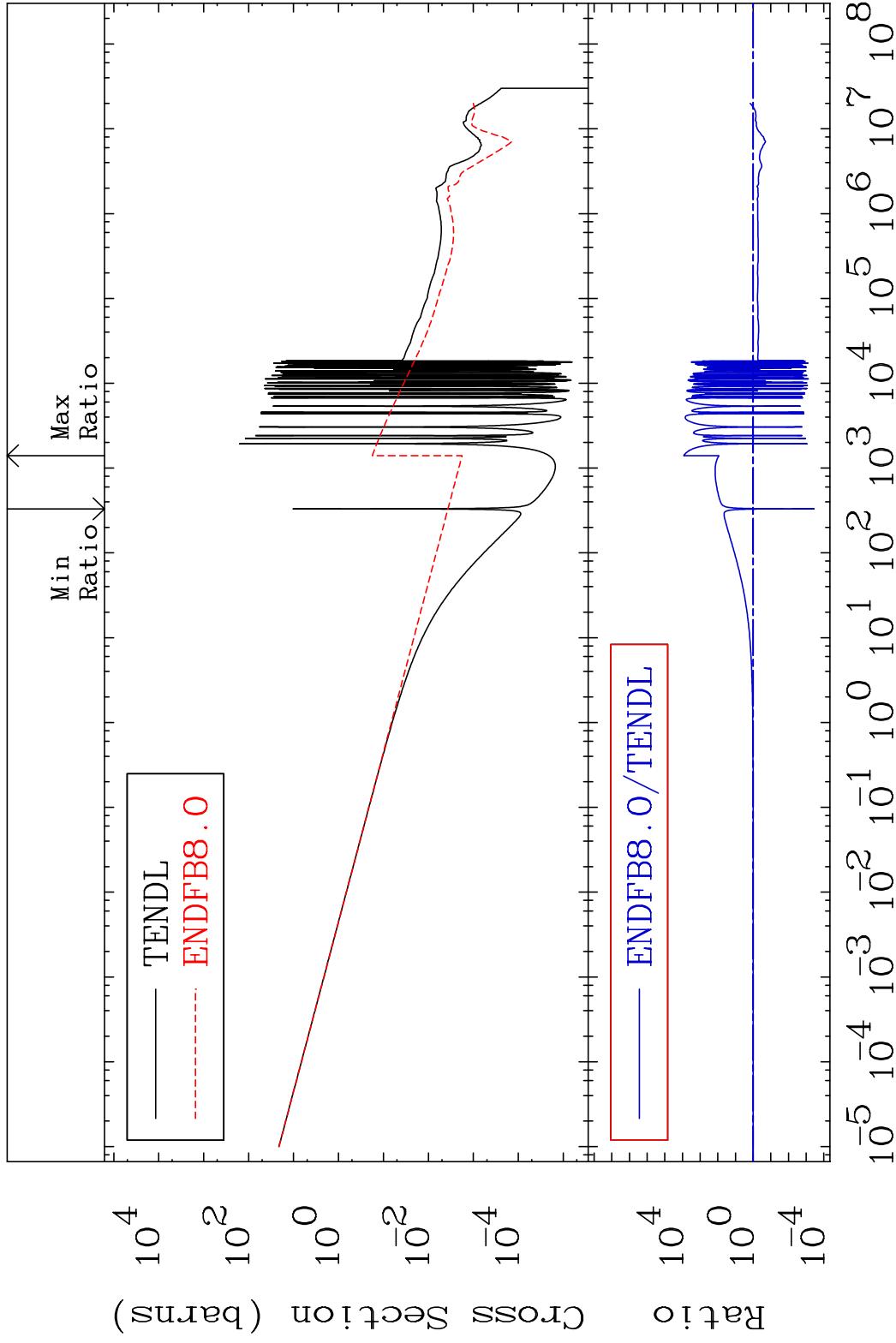


MAT 3840

(n, γ)

38-Sr-89

Cross Section -99.96 To 9999. %



26

Incident Energy (eV)

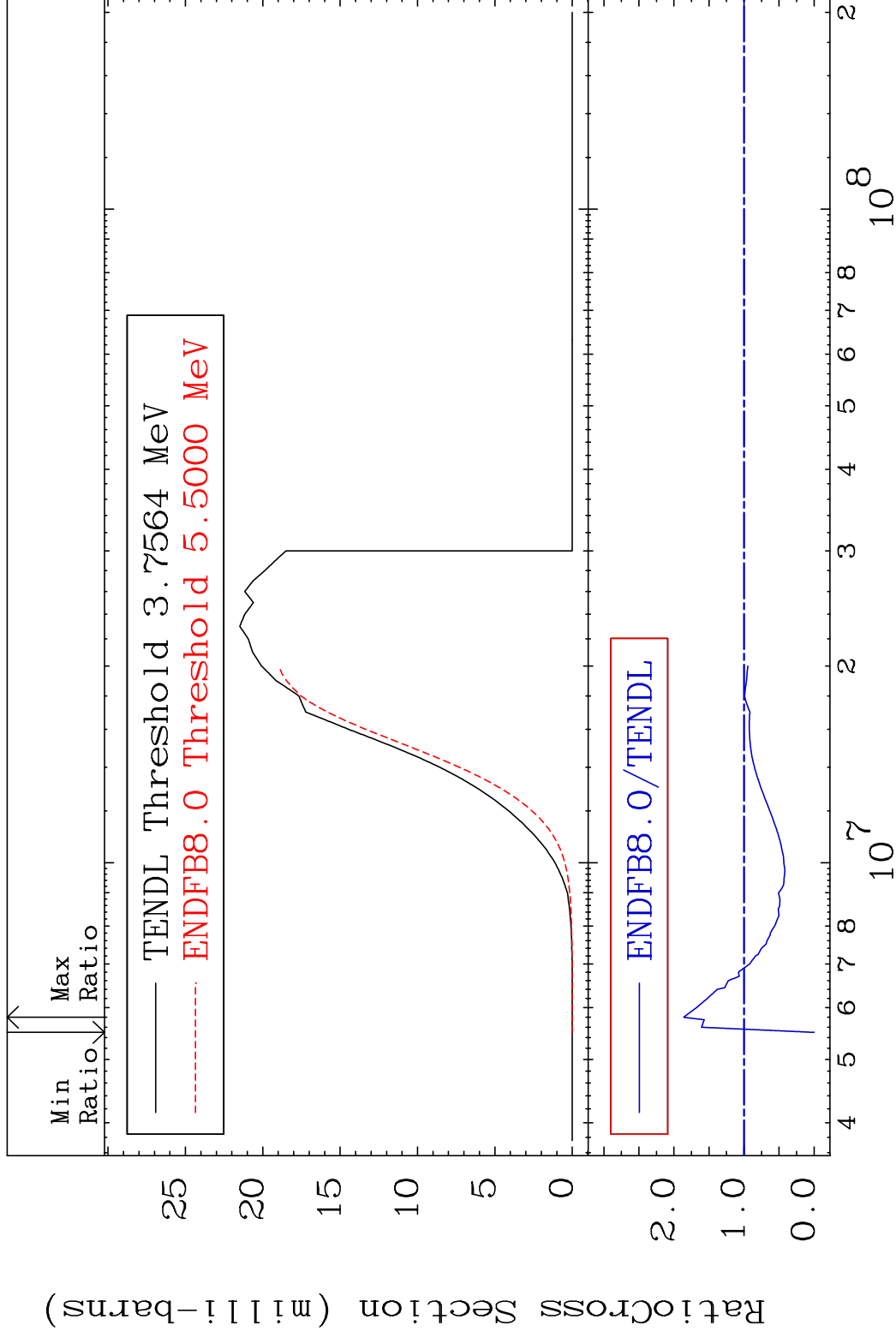
38-Sr-89

MAT 3840

(n,p)

38-Sr-89

Cross Section -100.0 To 86.13 %



27

Incident Energy (eV)

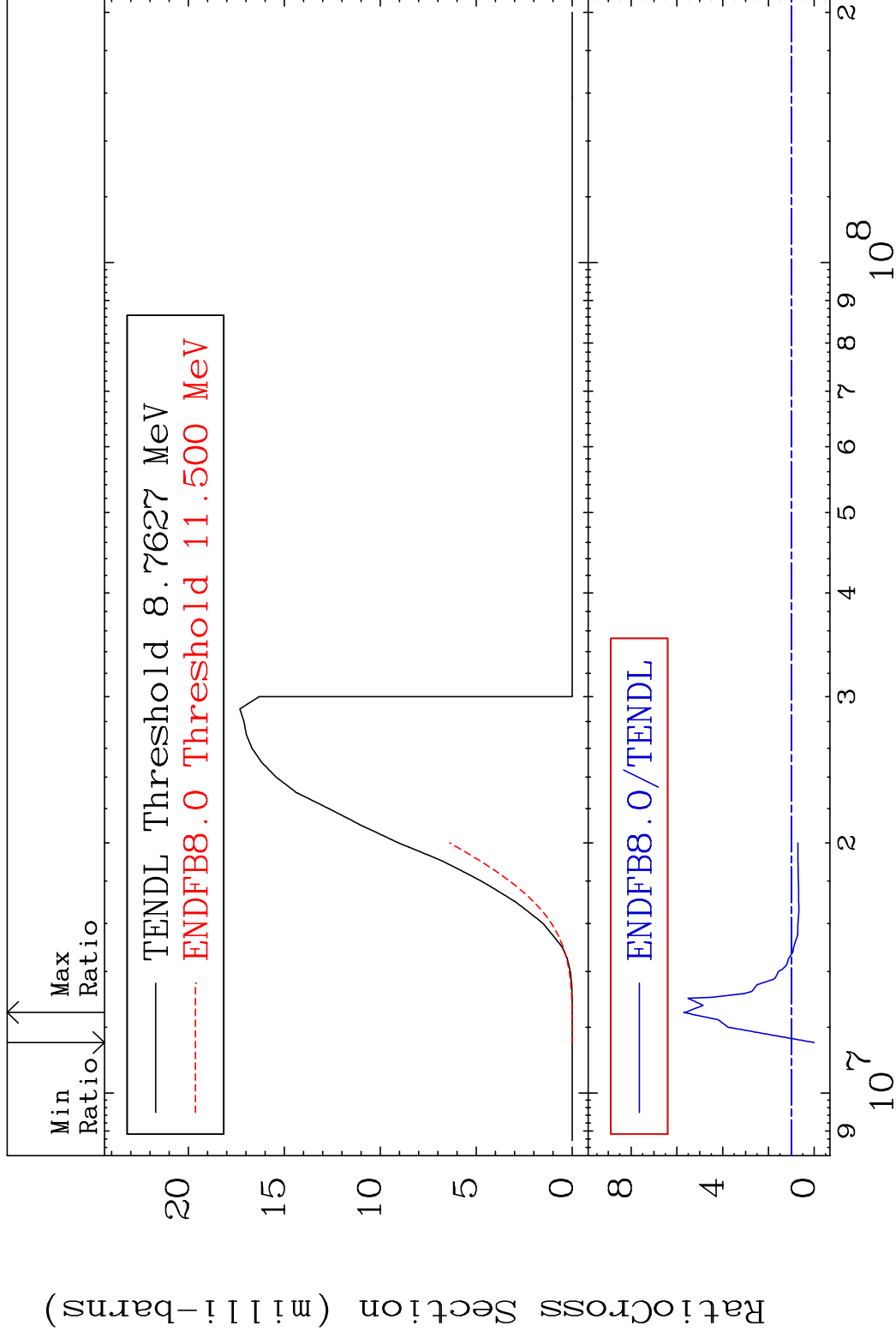
38-Sr-89

MAT 3840

(n,d)

38-Sr-89

Cross Section -100.0 To 470.6 %



28

Incident Energy (eV)

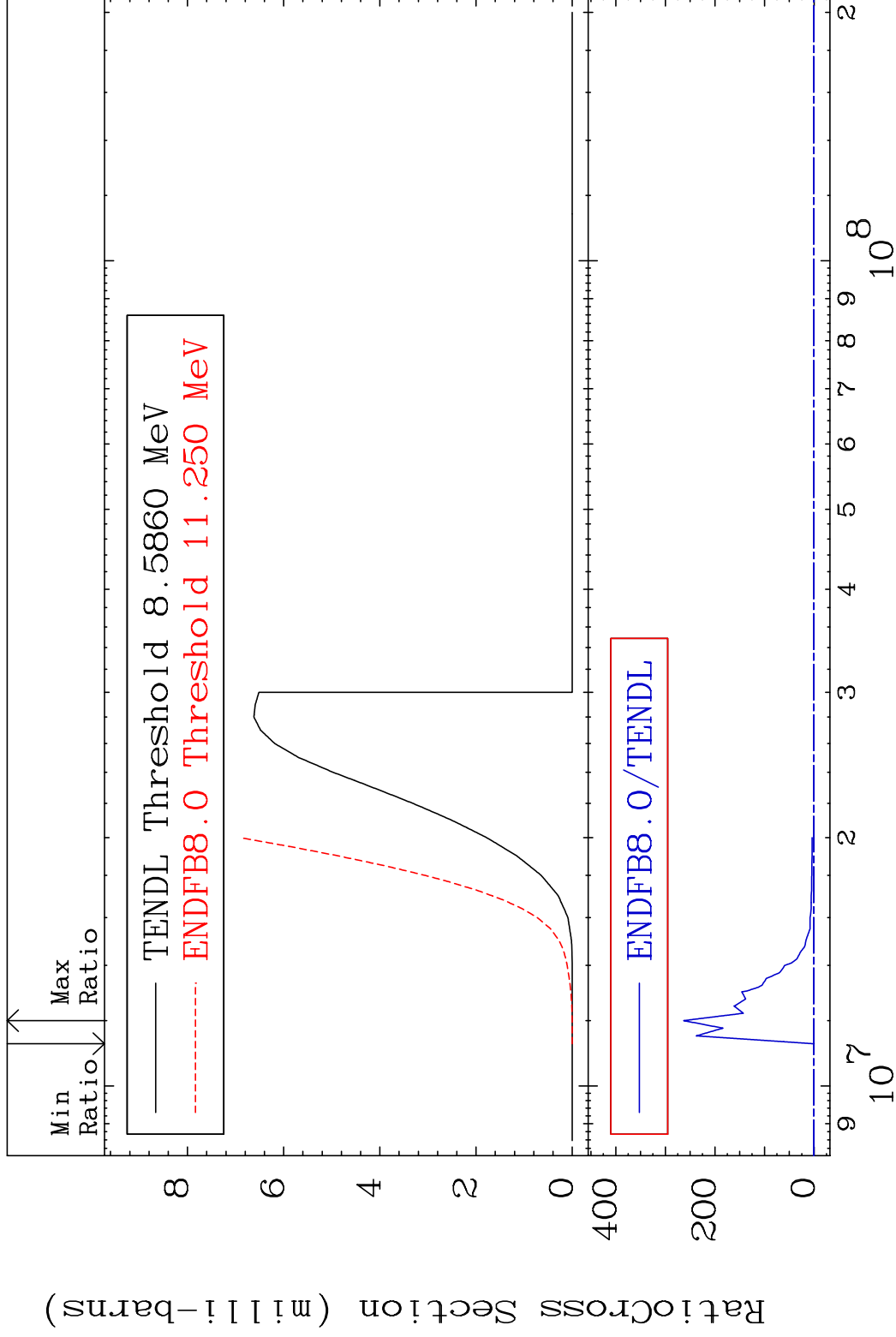
38-Sr-89

MAT 3840

(n, t)

38-Sr-89

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

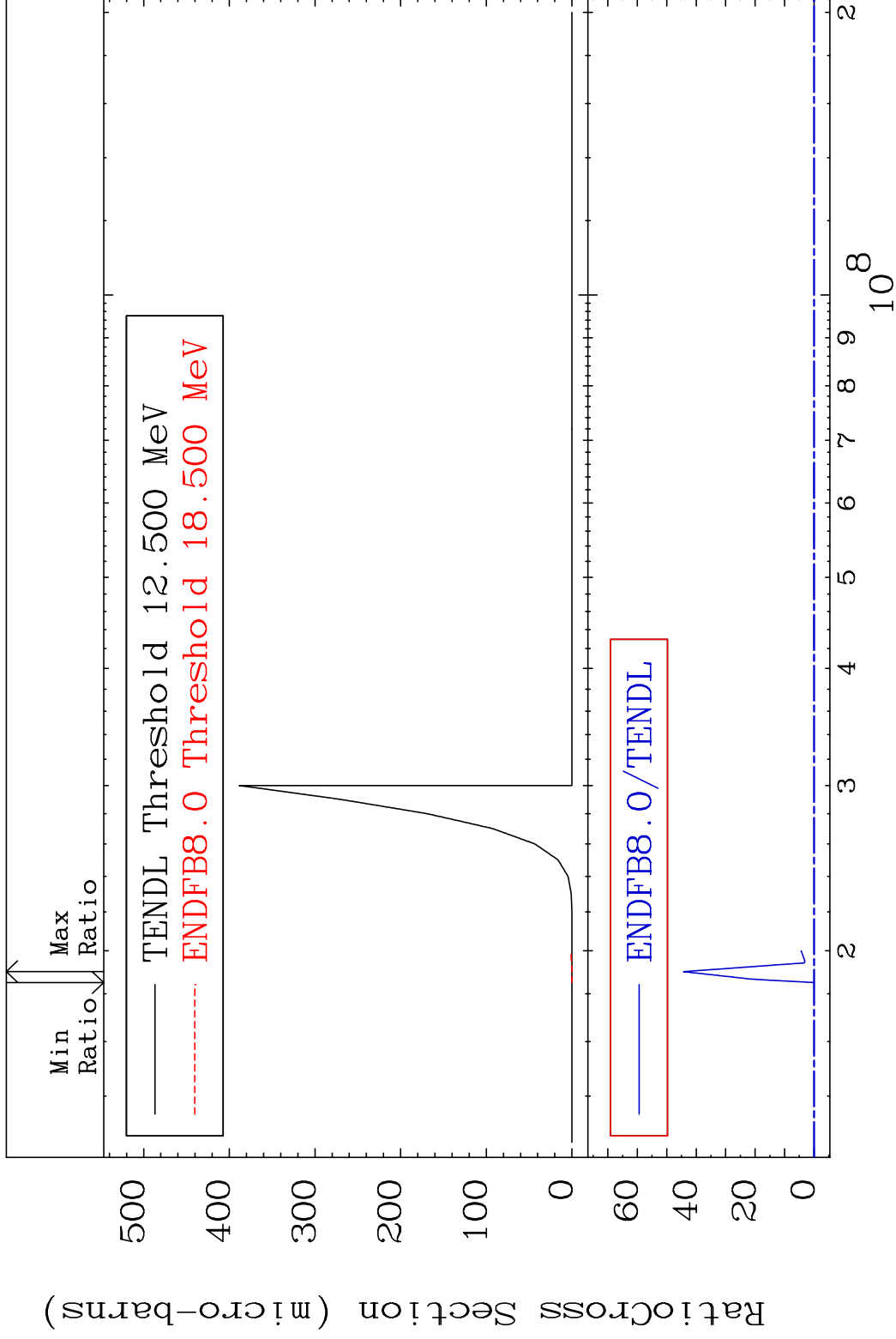
38-Sr-89

MAT 3840

(n, He-3)

38-Sr-89

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

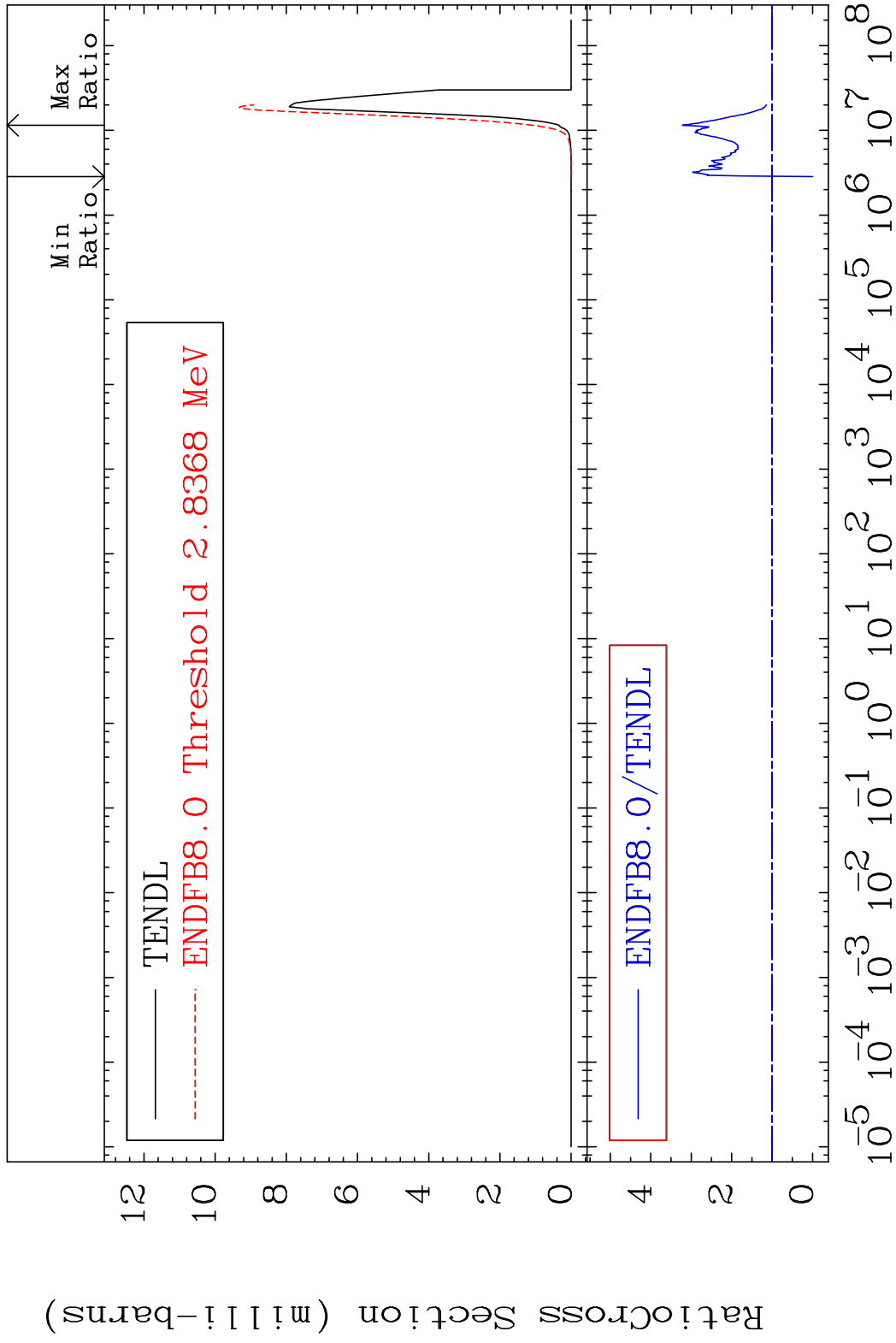
38-Sr-89

MAT 3840

(n, α)

38-Sr-89

Cross Section -100.0 To 221.9 %



31

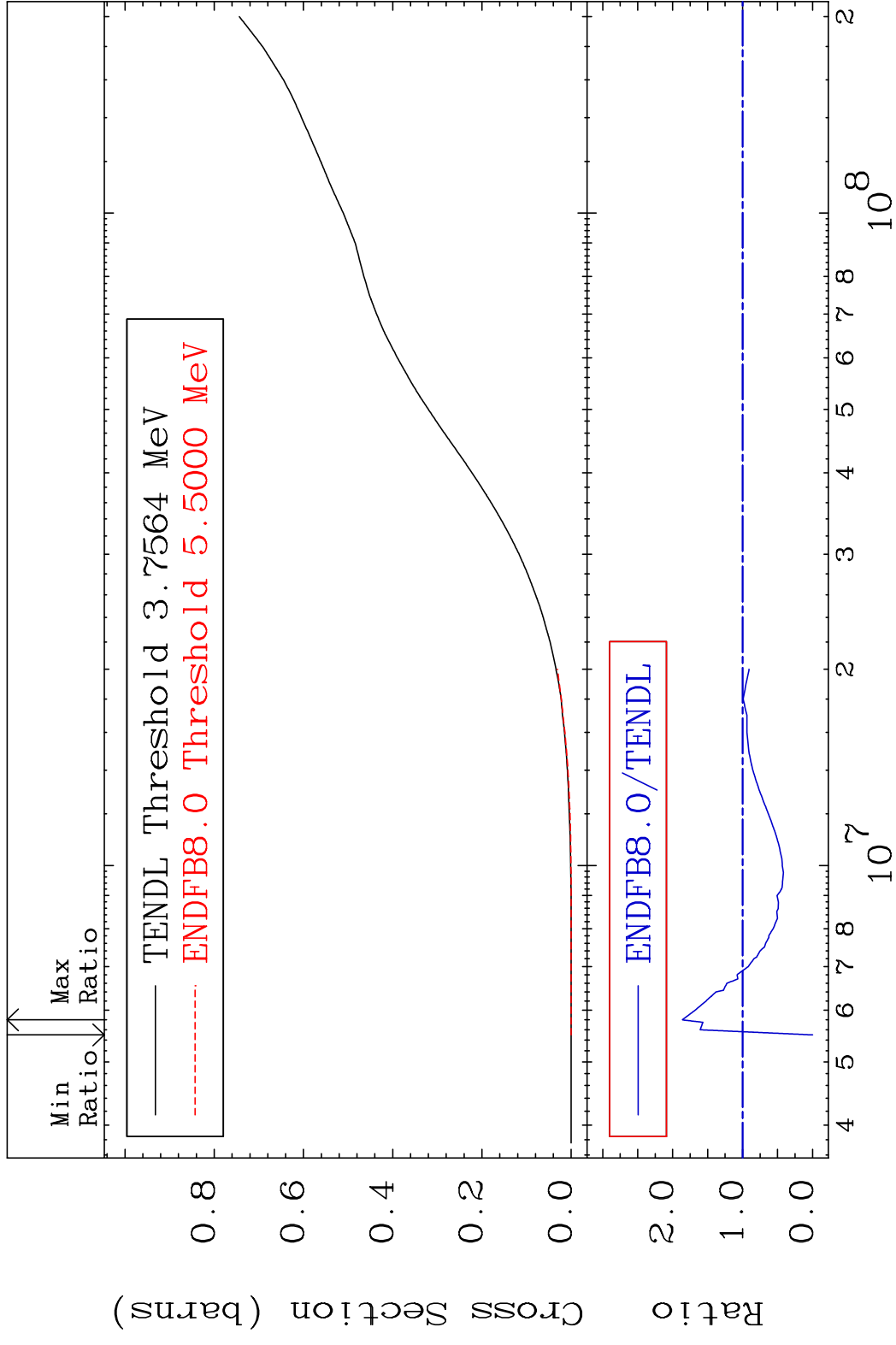
Incident Energy (eV)

38-Sr-89

MAT 3840

Hydrogen Production
Cross Section -100.0 To 86.13 %

38-Sr-89



32

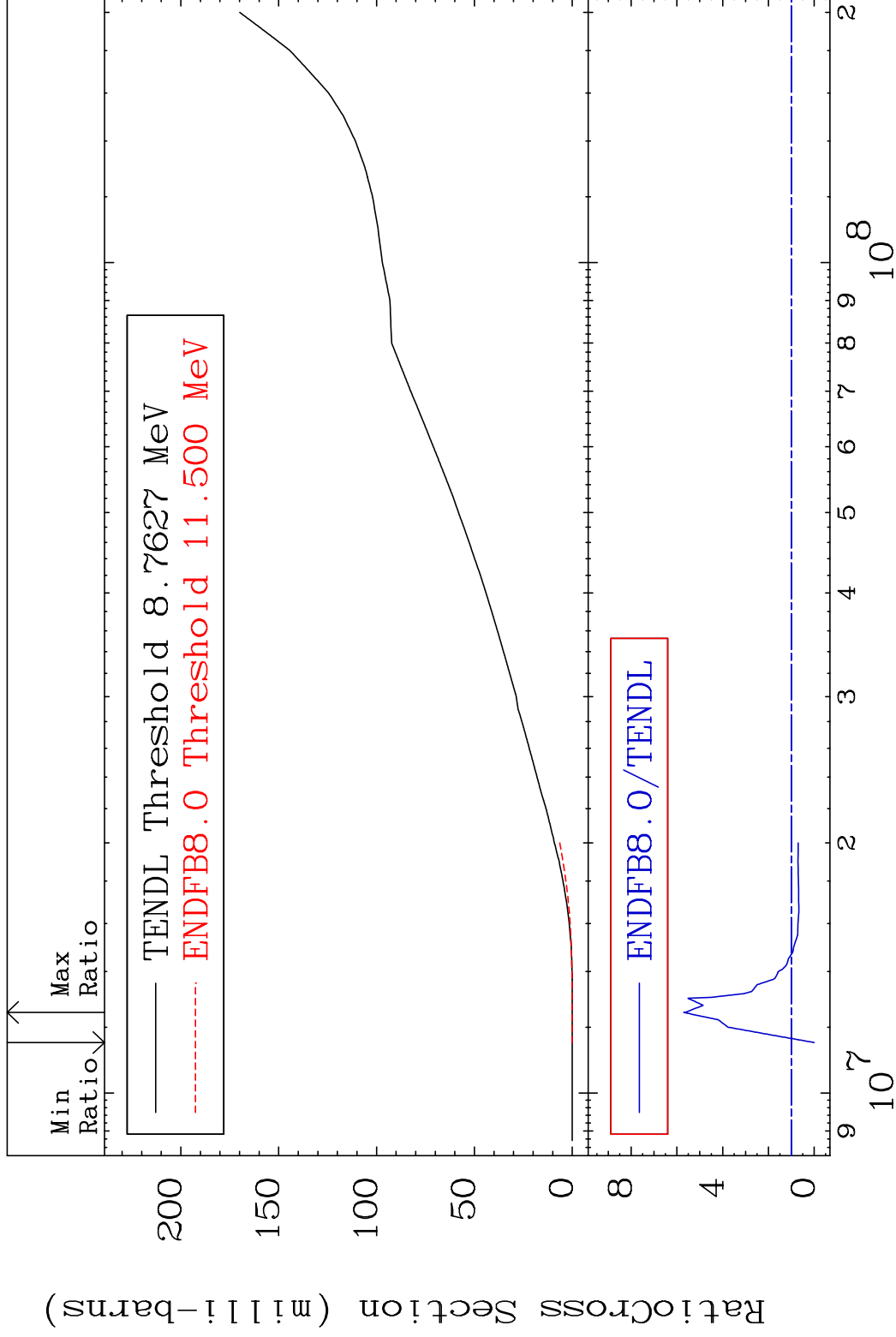
Incident Energy (eV) 38-Sr-89

MAT 3840

Deuterium Production

38-Sr-89

Cross Section -100.0 To 470.6 %

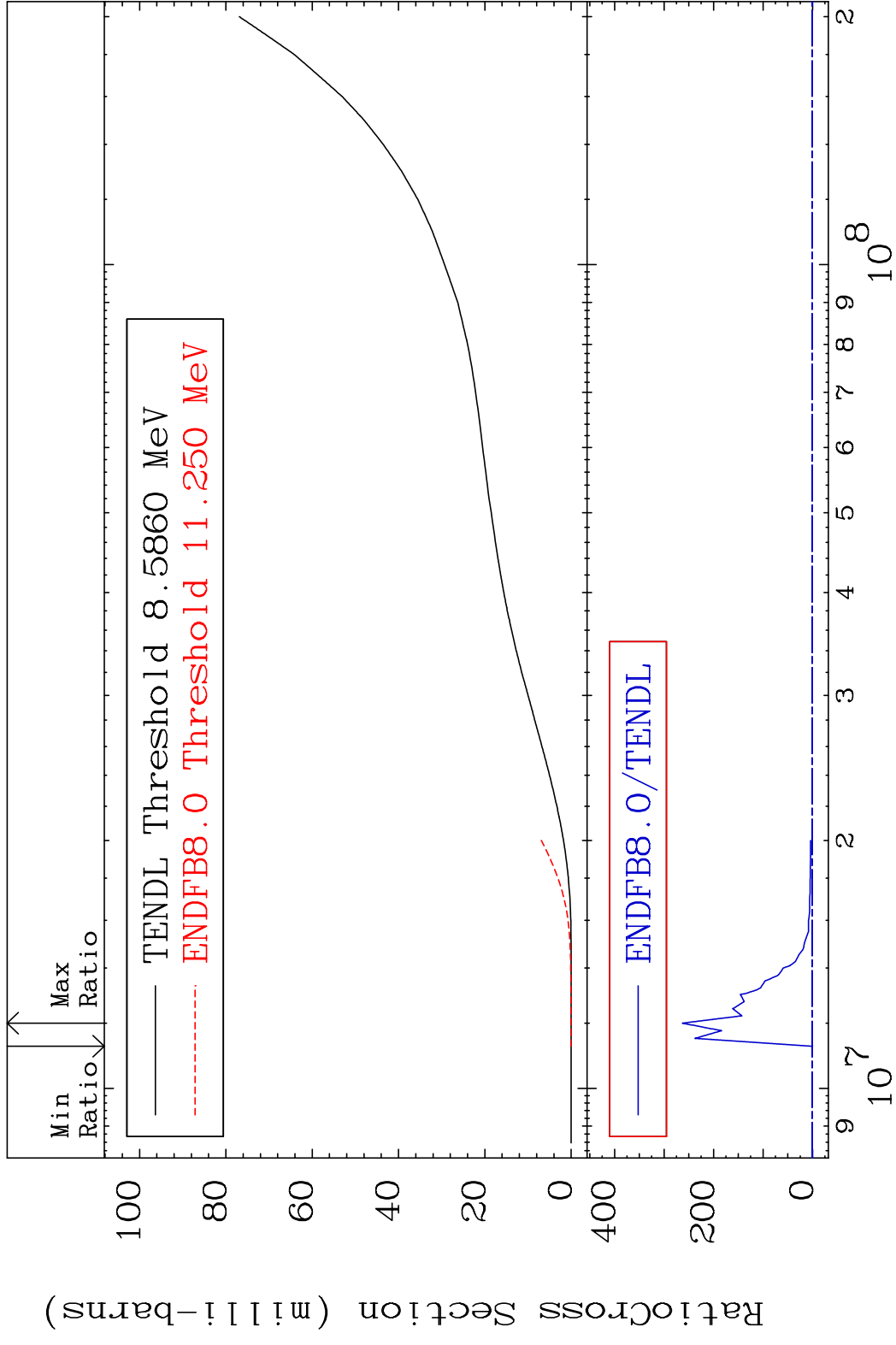


33

Incident Energy (eV)

38-Sr-89

MAT 3840 Tritium Production 38-Sr-89
 Cross Section -100.0 To 9999. %

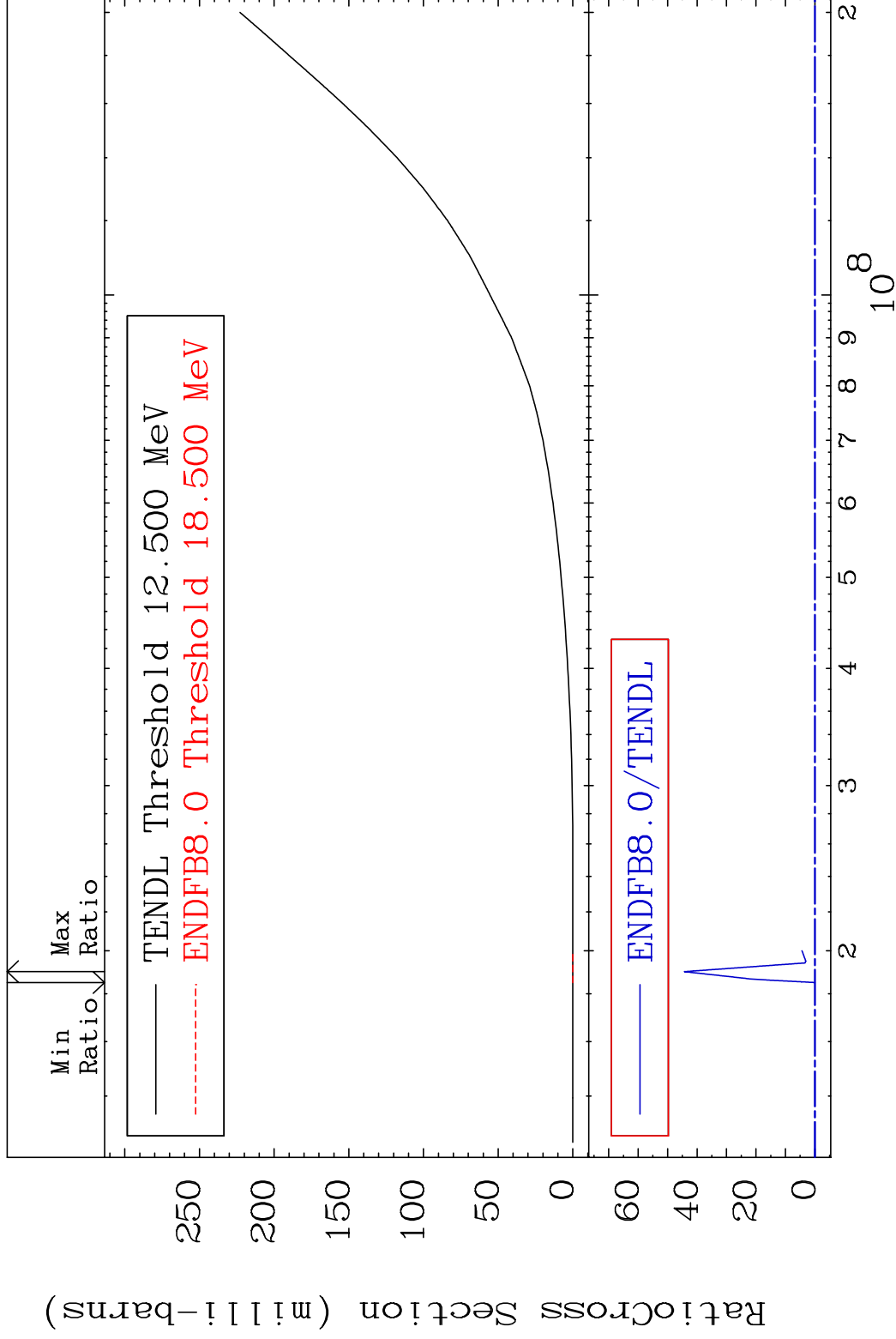


MAT 3840

He-3 Production

38-Sr-89

Cross Section -100.0 To 9999. %



35

Incident Energy (eV)

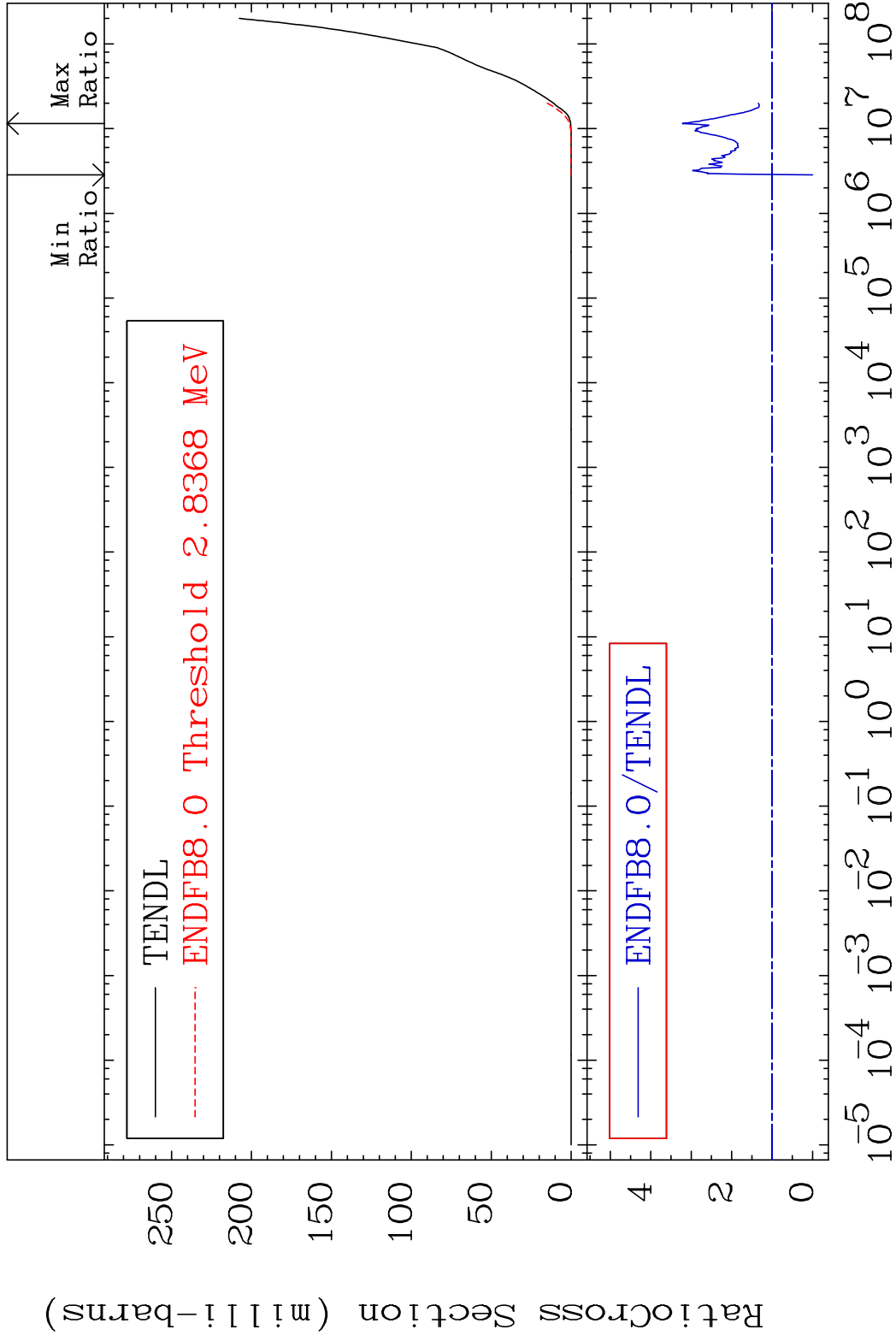
38-Sr-89

MAT 3840

He-4 Production

38-Sr-89

Cross Section -100.0 To 221.9 %

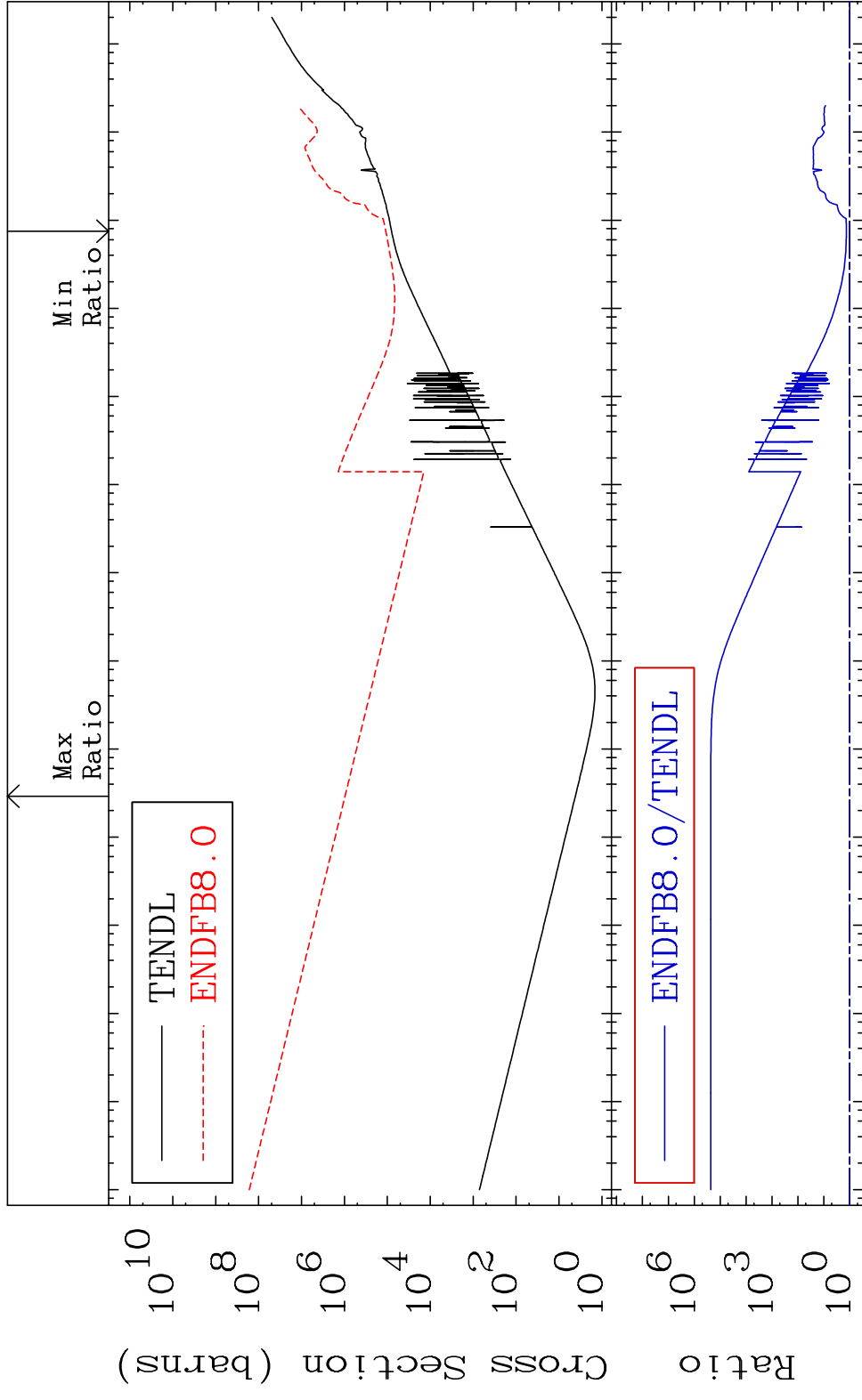


36

Incident Energy (eV)

38-Sr-89

MAT 3840 Kerma total (eV-barns) 38-Sr-89
 Cross Section 36.20 To 9999. %



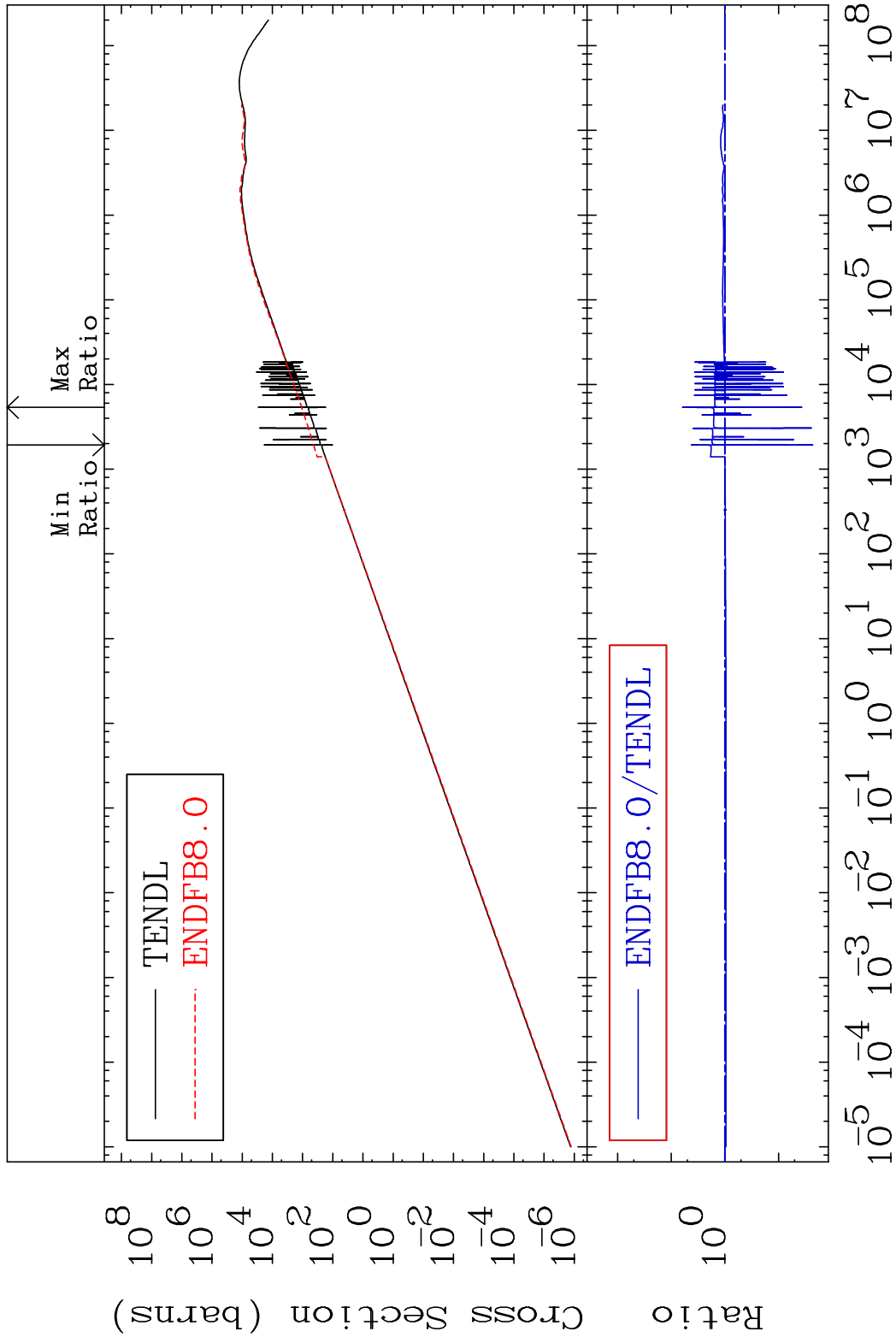
37 Incident Energy (eV) 38-Sr-89

MAT 3840

Kerma elastic
Cross Section

38-Sr-89

-97.68 To 520.5 %

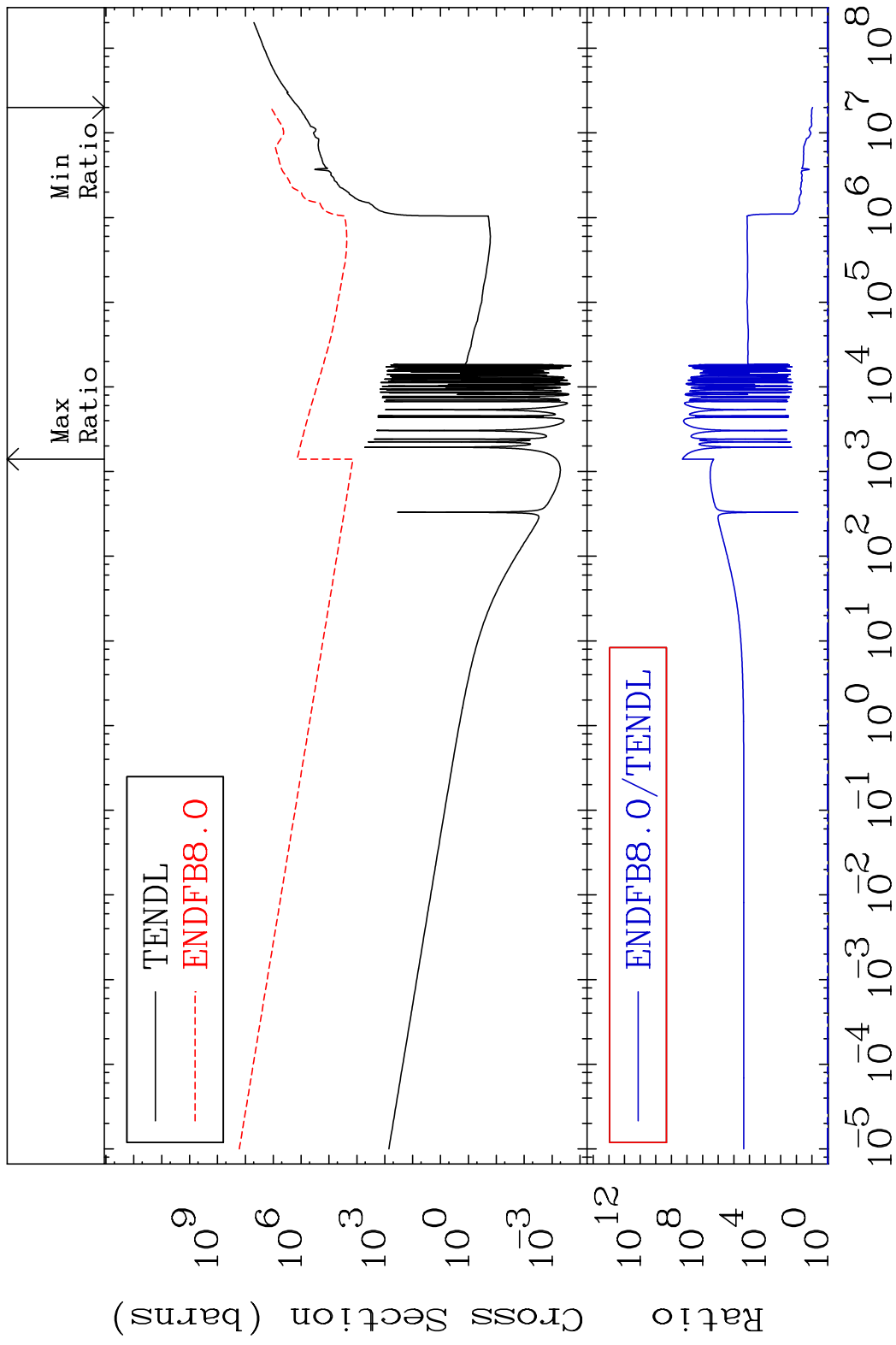


38

Incident Energy (eV)

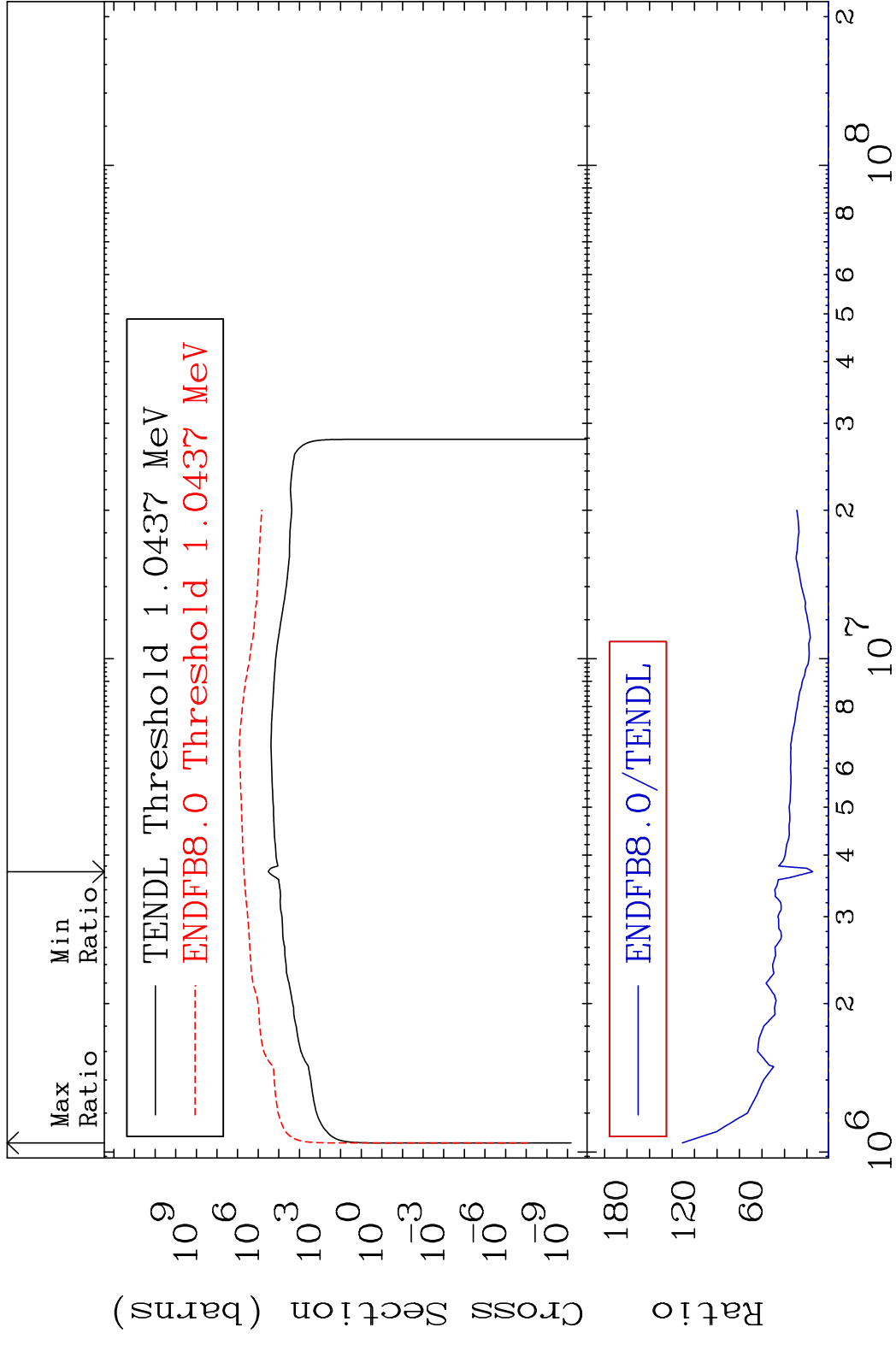
38-Sr-89

MAT 3840 Kerma non-elastic (all but mt2) 38-Sr-89
 Cross Section 821.0 To 9999. %



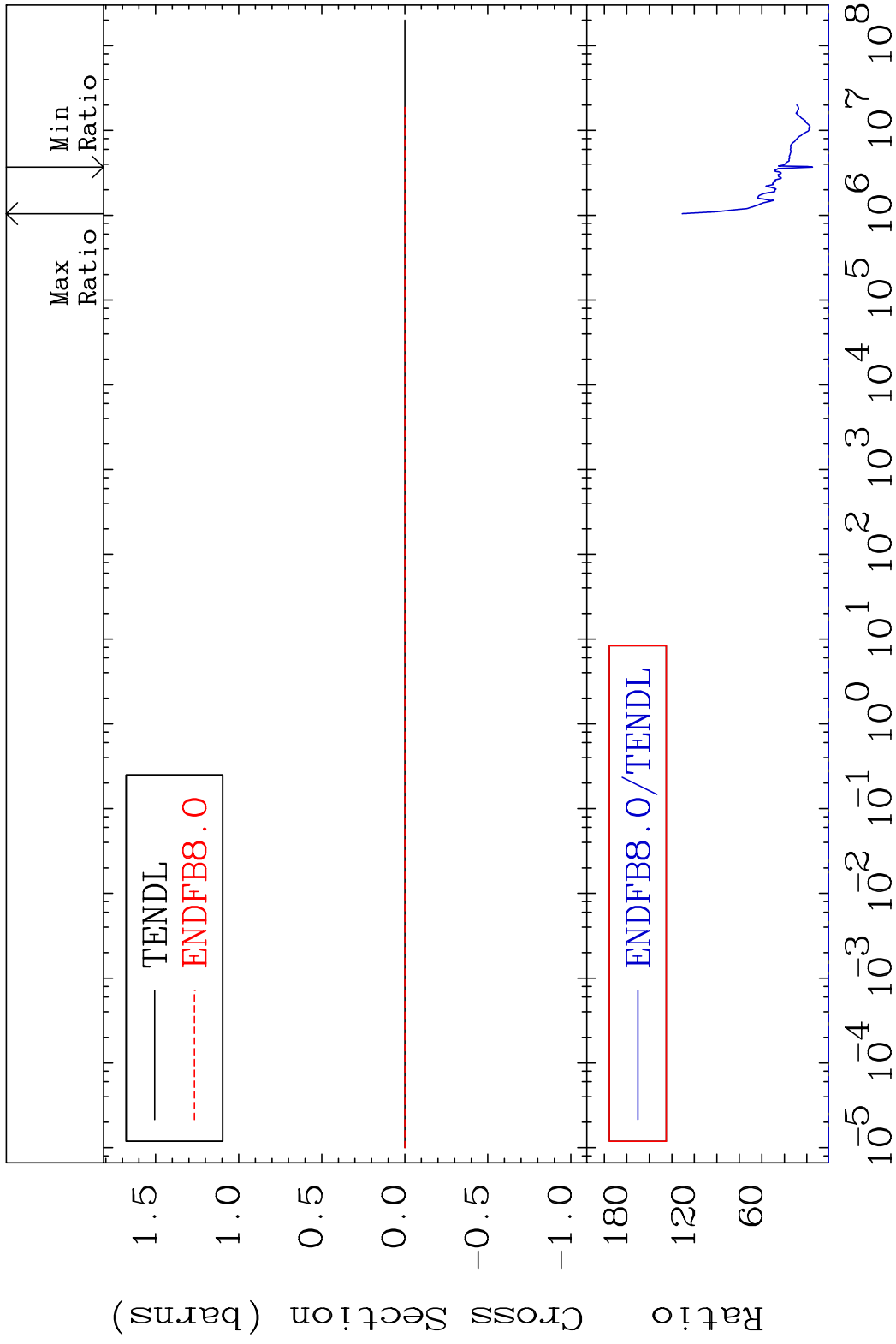
39 Incident Energy (eV) 38-Sr-89

MAT 3840 Kerma inelastic (mt51-91) 38-Sr-89
 Cross Section 1403. To 9999. %



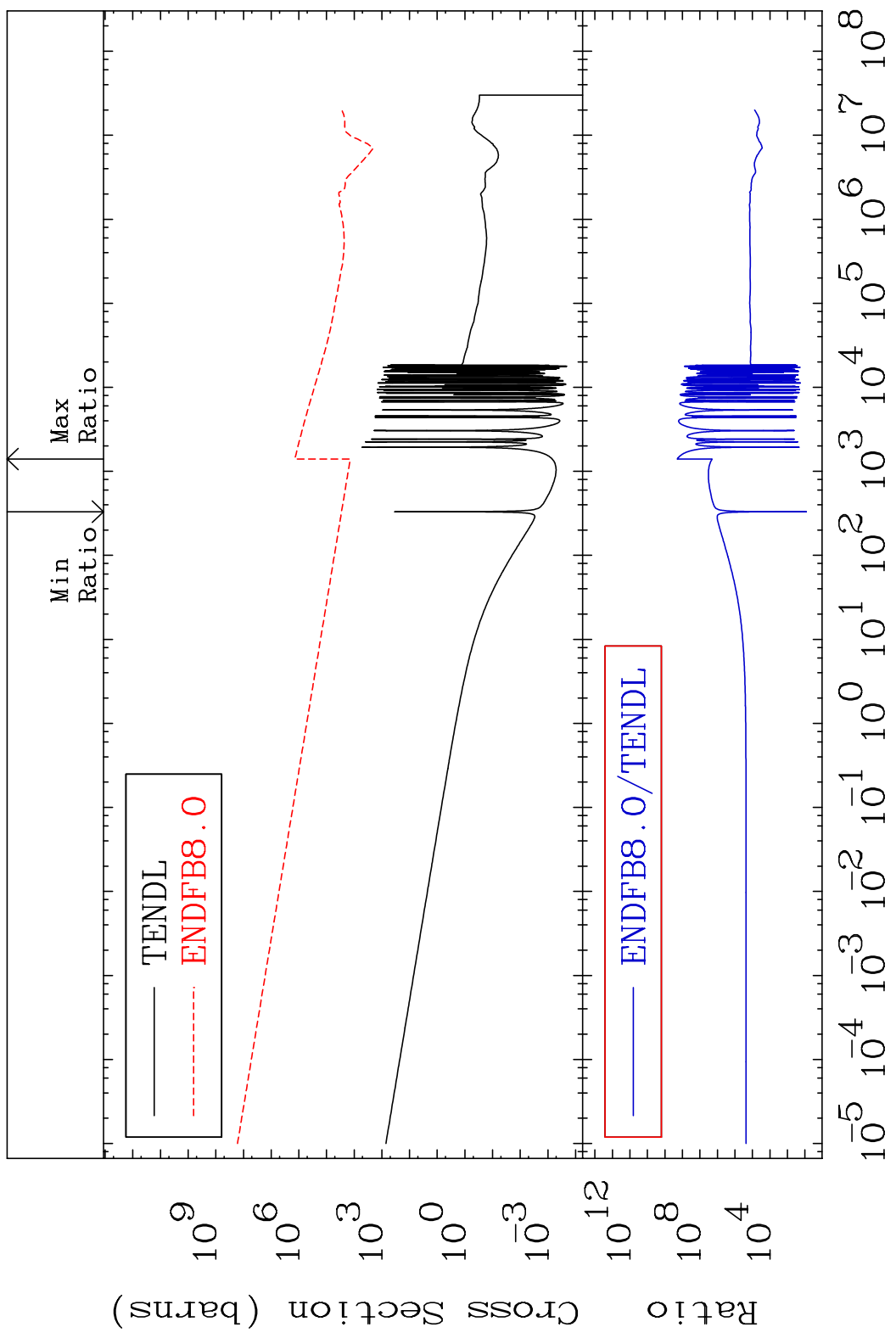
40 Incident Energy (eV) 38-Sr-89

MAT 3840 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-89
 Cross Section 1403. To 9999. %



MAT 3840

Kerma capture (mt102) 38-Sr-89
Cross Section 8137. To 9999. %

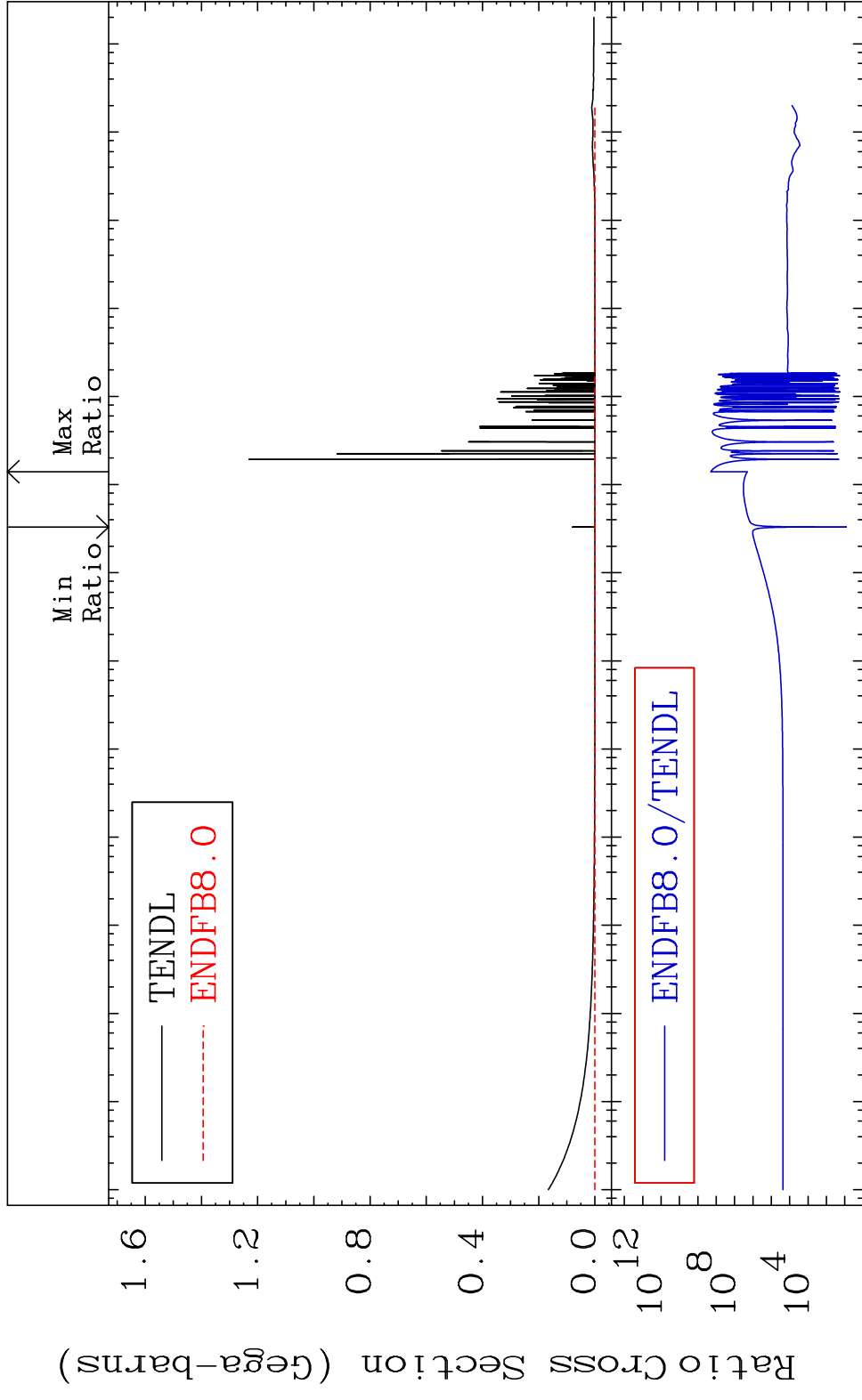


42

Incident Energy (eV)

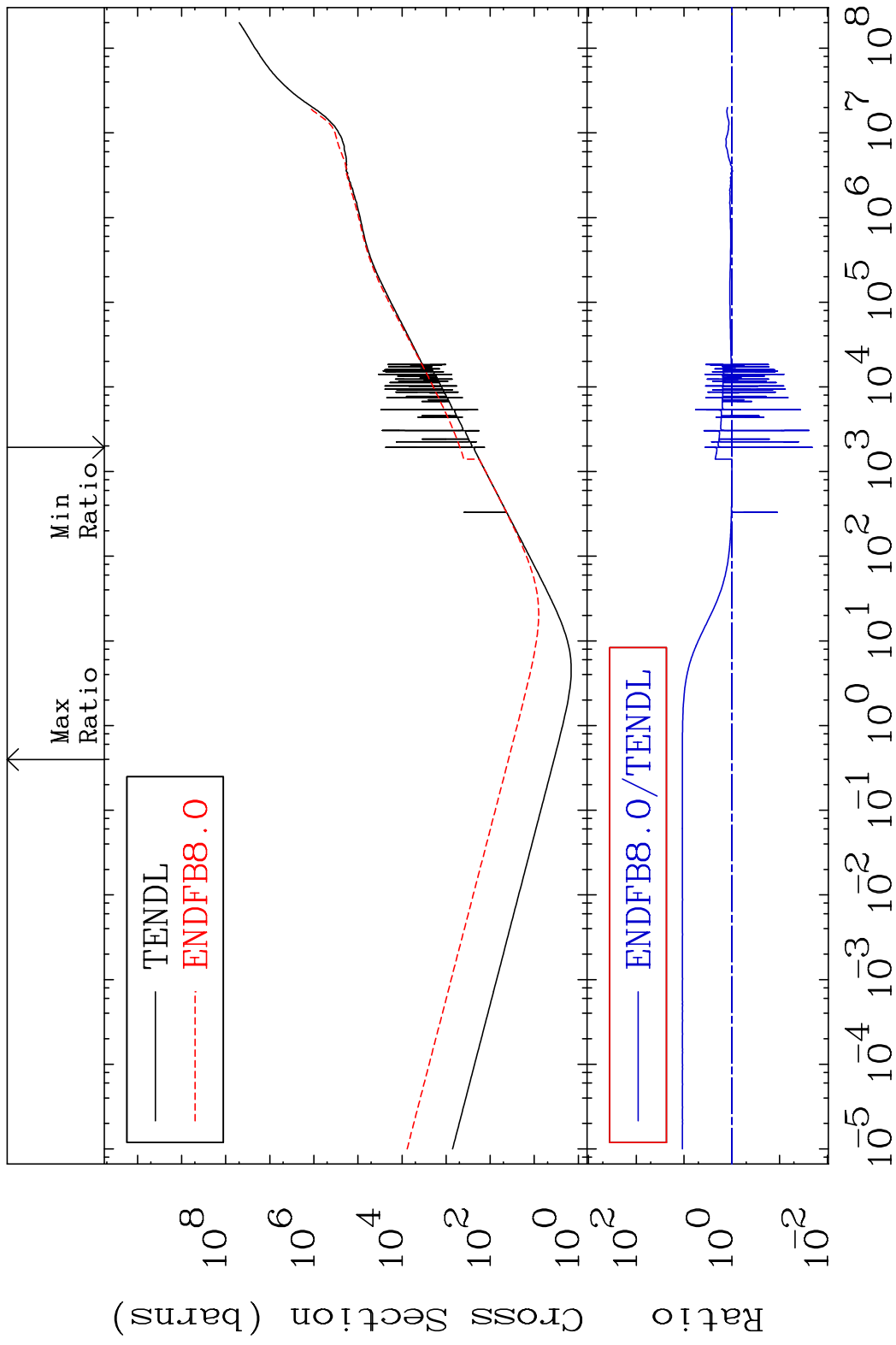
38-Sr-89

MAT 3840 Total photon (eV-barns) 38-Sr-89
 Cross Section 8137. To 9999. %



43 Incident Energy (eV) 38-Sr-89

MAT 3840 Total kinematic kerma (high limit) 38-Sr-89
 Cross Section -97.96 To 983.4 %

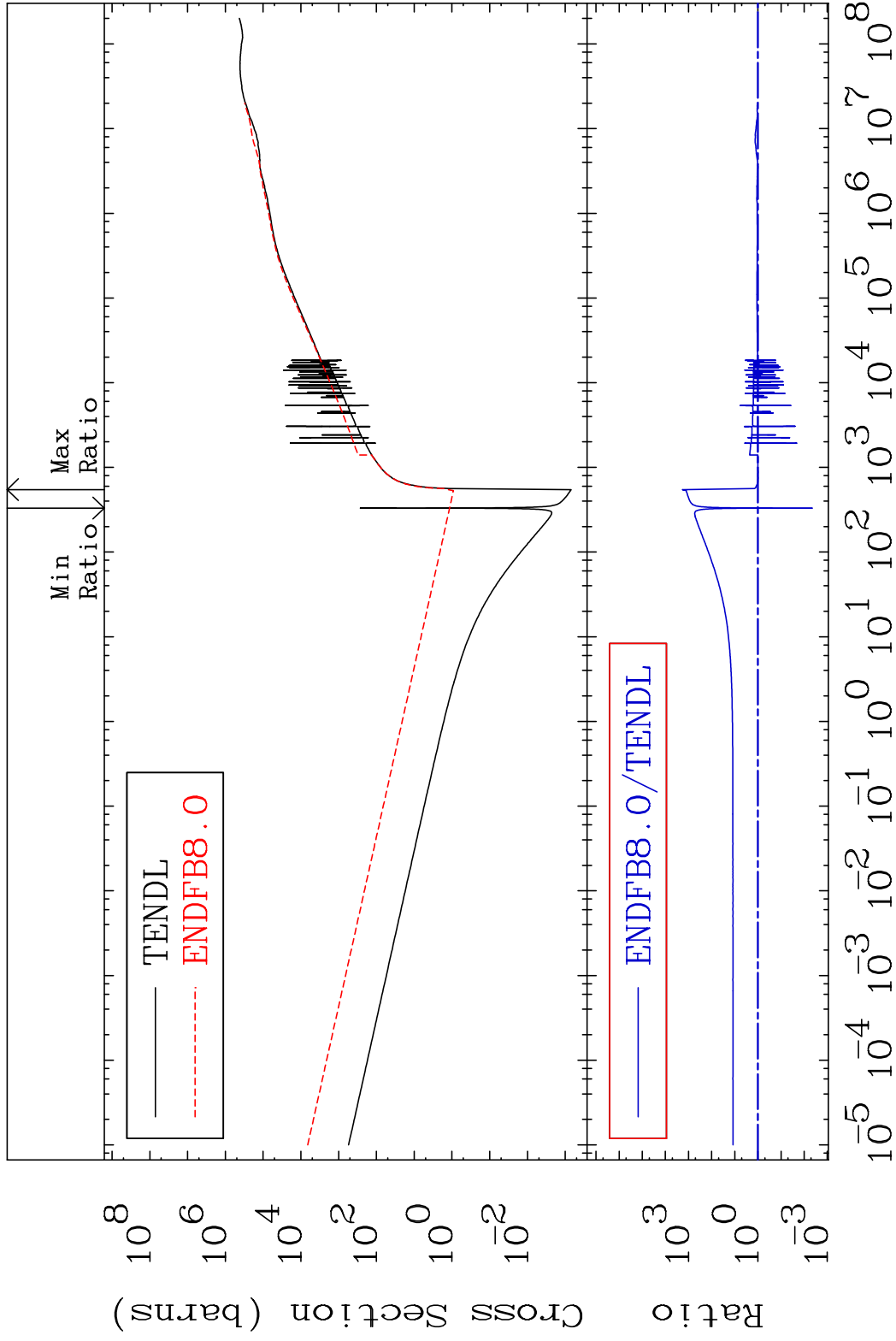


MAT 3840

Dpa total (eV-barns)

38-Sr-89

Cross Section -99.57 To 9999. %



45

Incident Energy (eV)

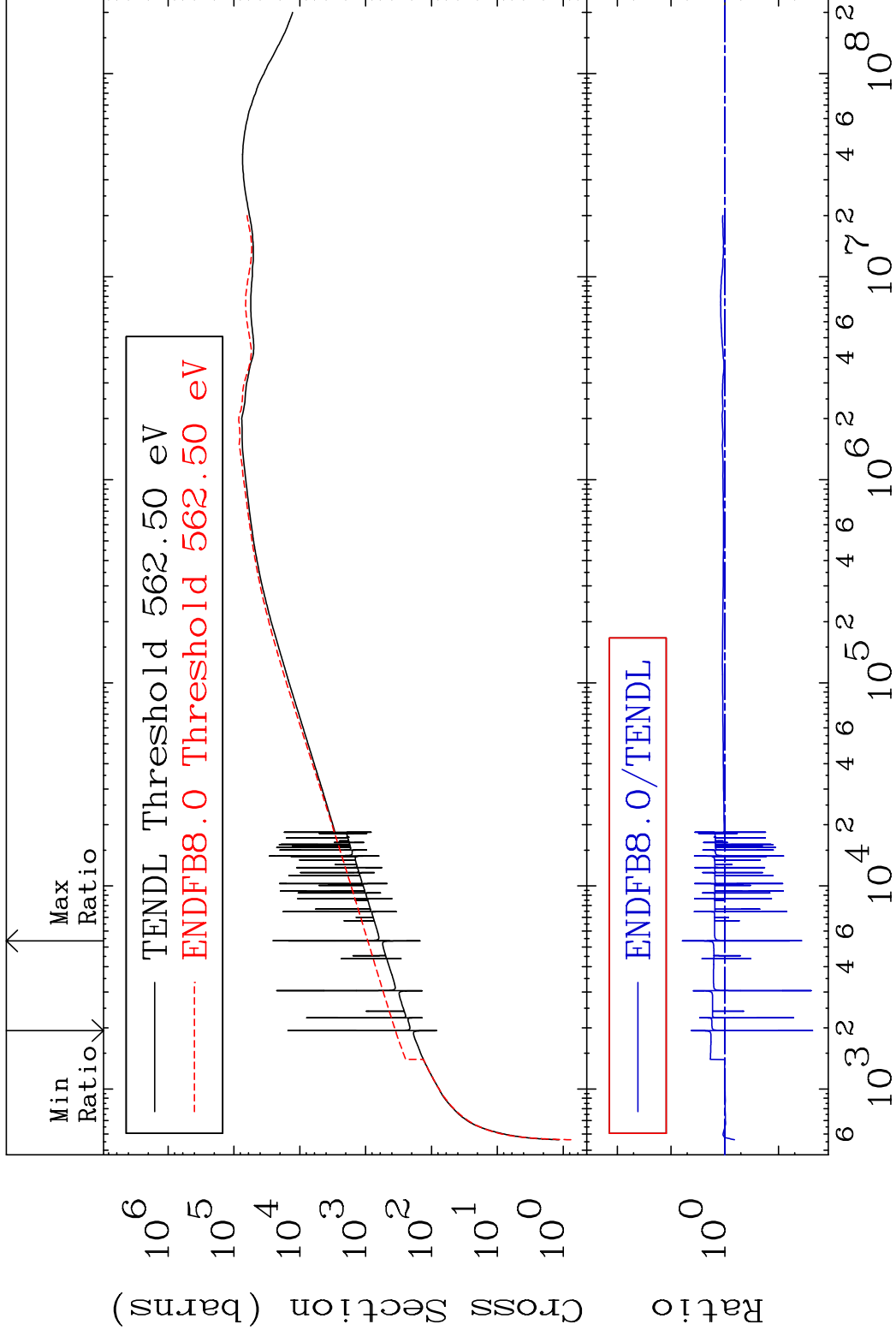
38-Sr-89

MAT 3840

Dpa elastic (mt2)

38-Sr-89

Cross Section -97.67 To 521.3 %



46

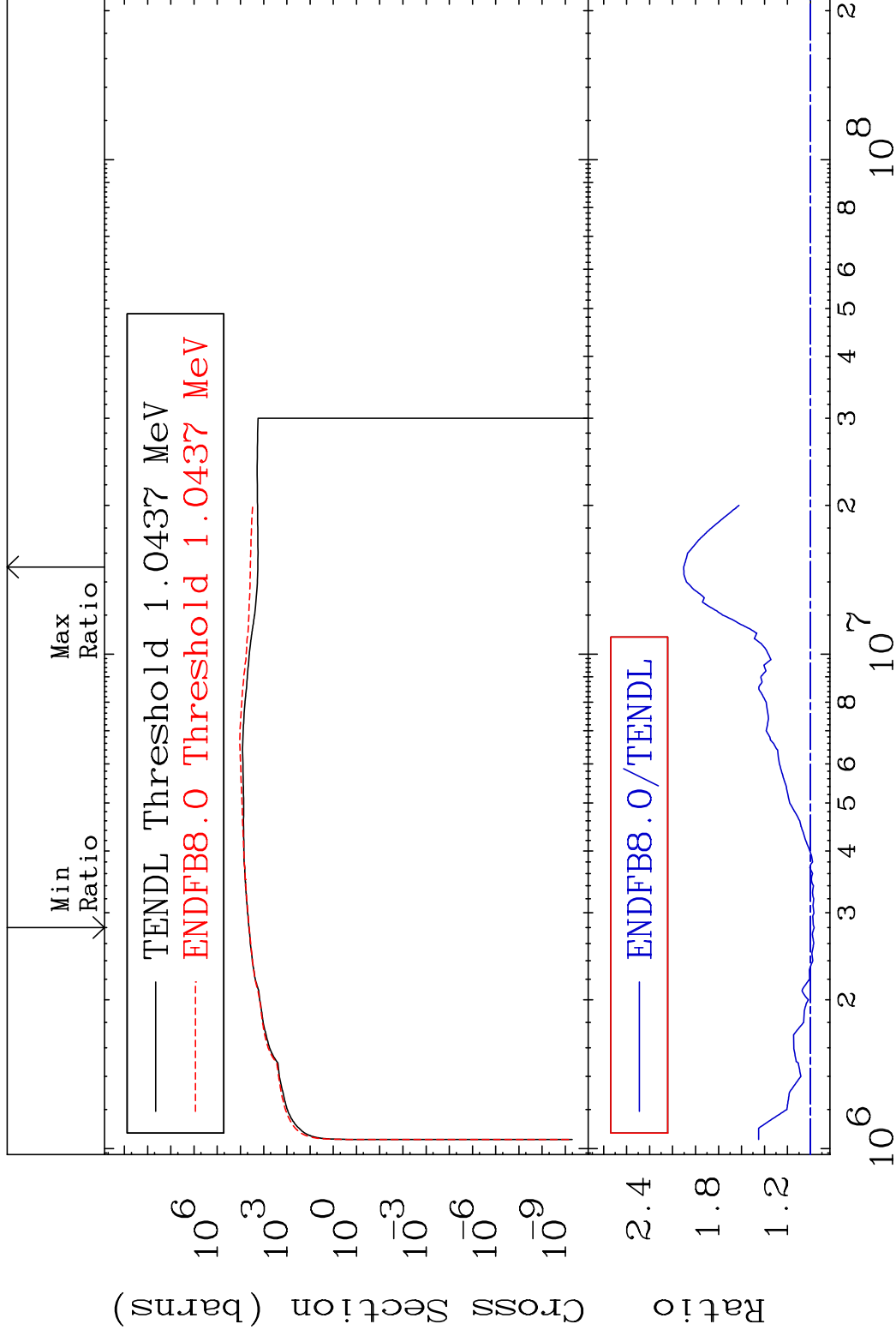
Incident Energy (eV)

38-Sr-89

MAT 3840

Dpa inelastic (mt51-91) 38-Sr-89

Cross Section -3.183 To 110.4 %



47

Incident Energy (eV)

38-Sr-89

MAT 3840 Dpa disappearance (mt102 -120) 38-Sr-89
 Cross Section -99.57 To 9999. %

