

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

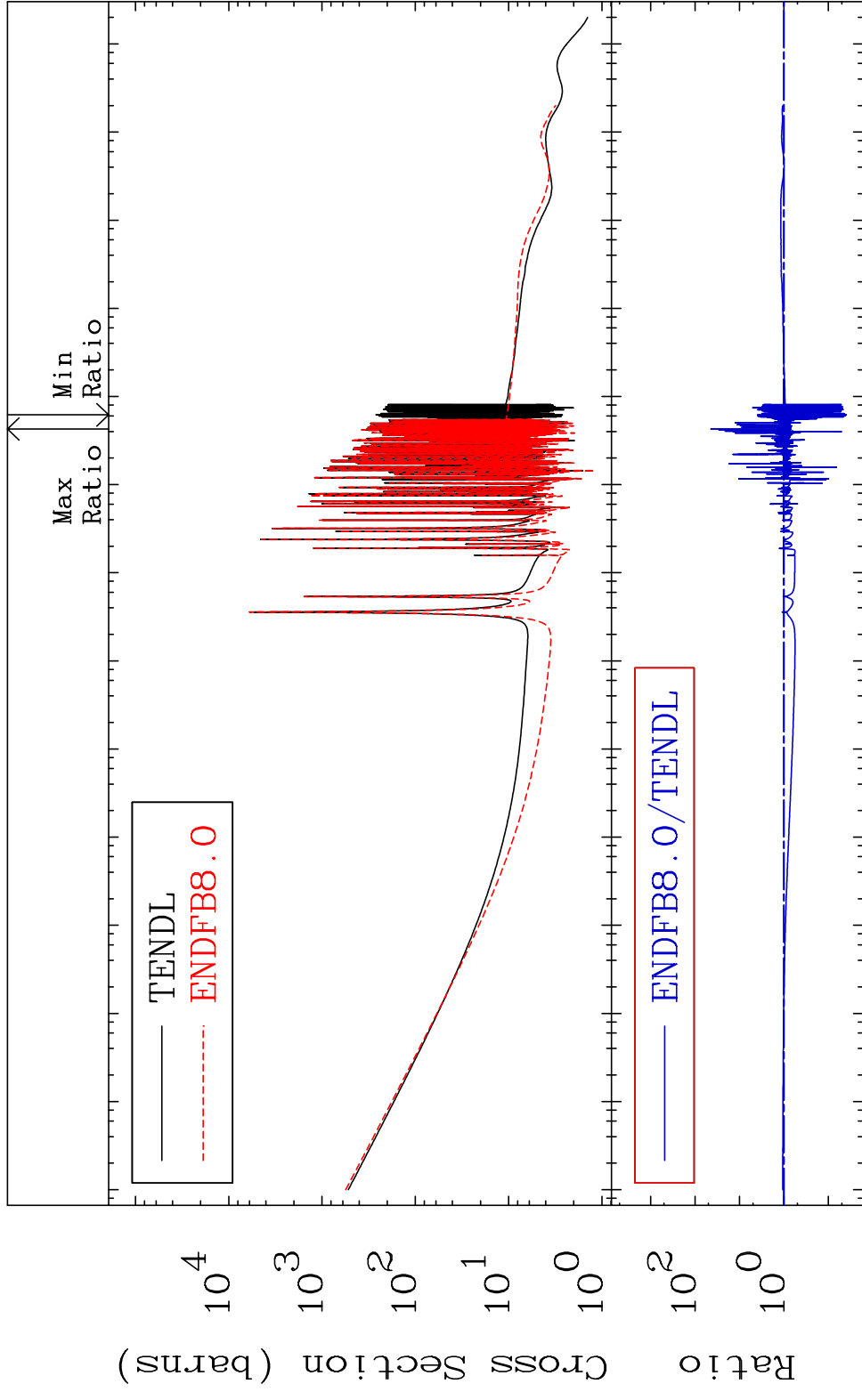
MAT 3525

Total

35-Br-79

Cross Section

-96.05 To 4355. %



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

1

Incident Energy (eV)

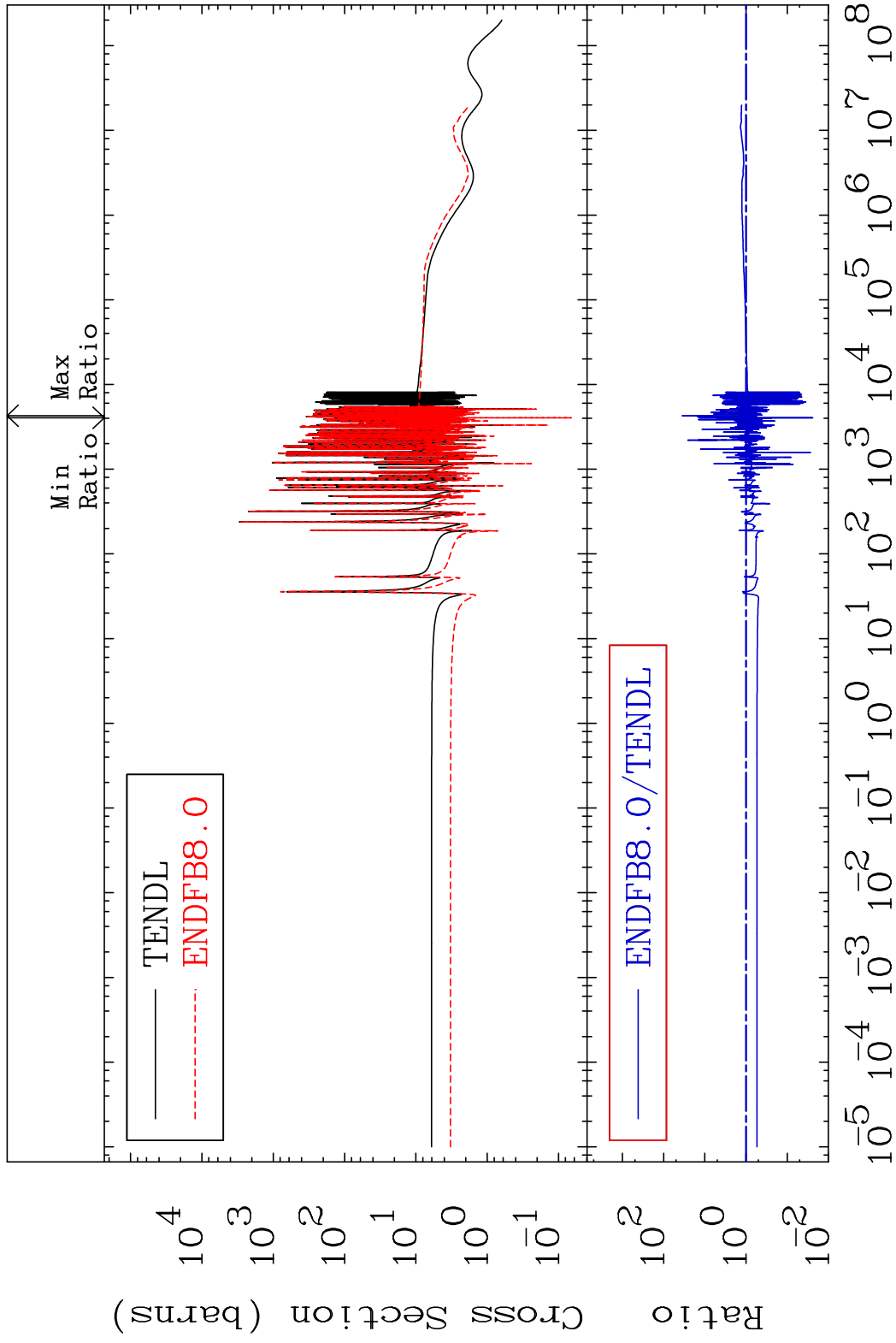
35-Br-79

MAT 3525

Elastic

35-Br-79

Cross Section -97.58 To 3414. %

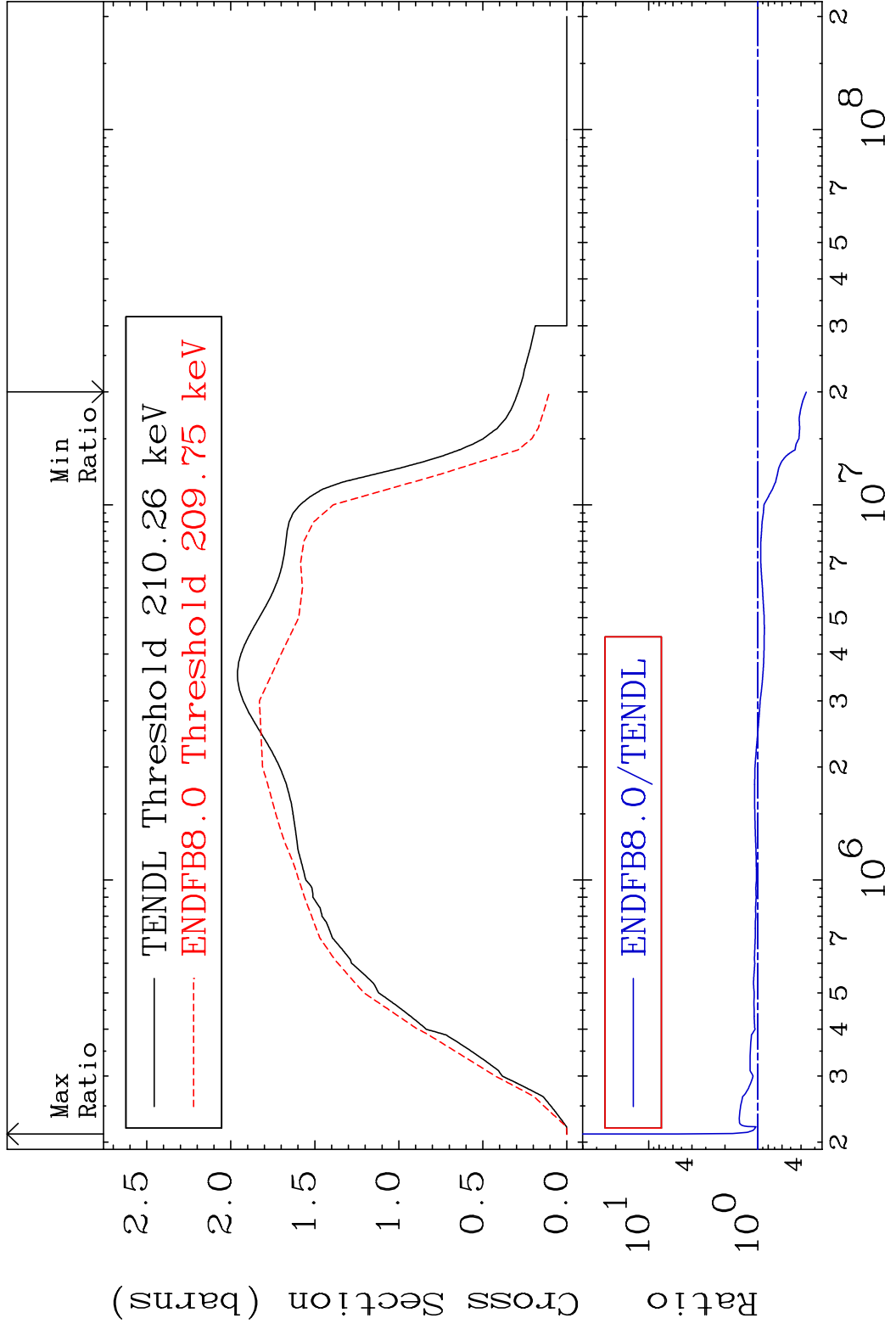


2

Incident Energy (eV)

35-Br-79

MAT 3525 Inelastic 35-Br-79
 Cross Section -64.21 To 447.1 %

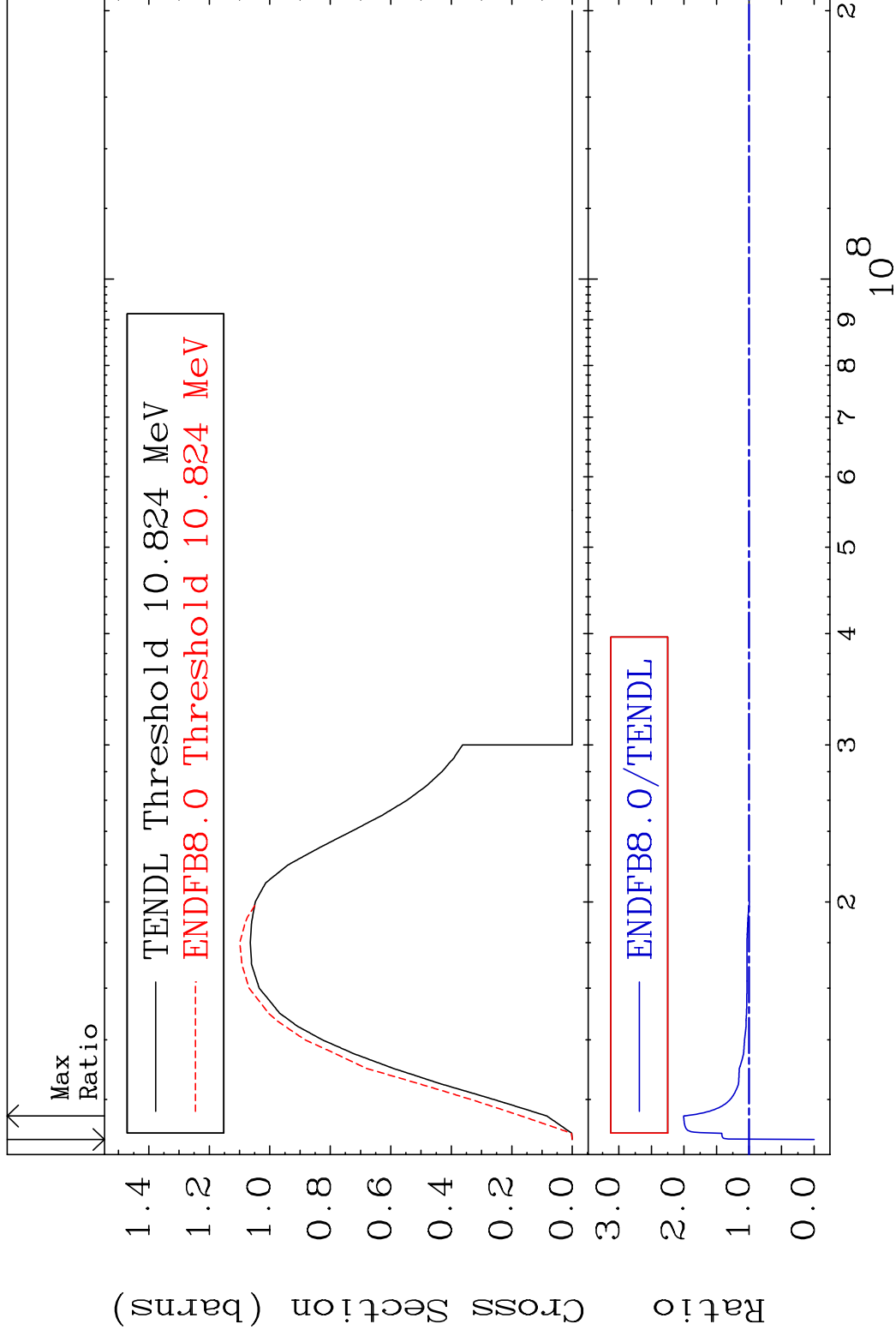


MAT 3525

(n,2n)

35-Br-79

Cross Section -100.0 To 100.5 %



4

Incident Energy (eV)

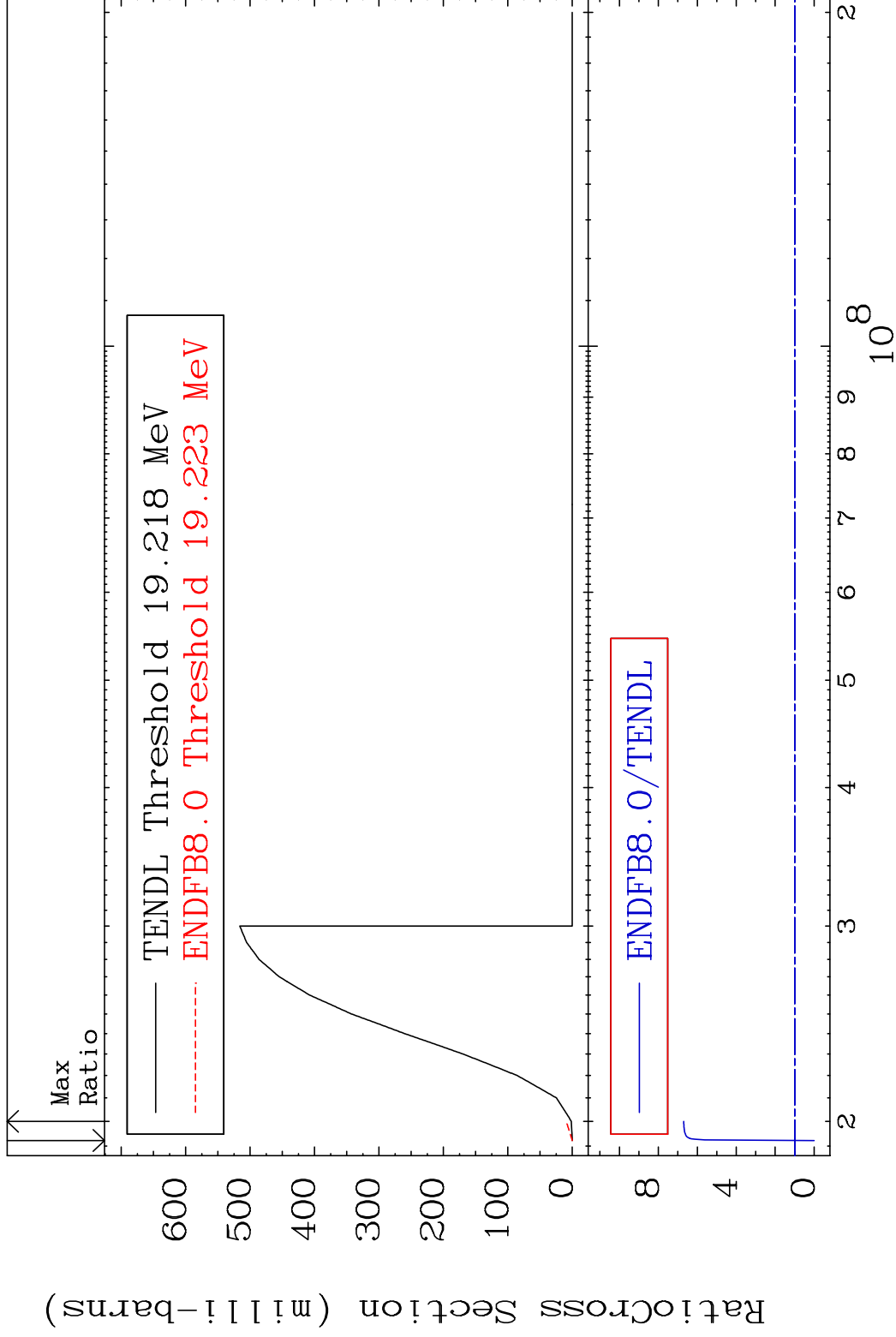
35-Br-79

MAT 3525

(n,3n)

35-Br-79

Cross Section -100.0 To 570.1 %



5

Incident Energy (eV)

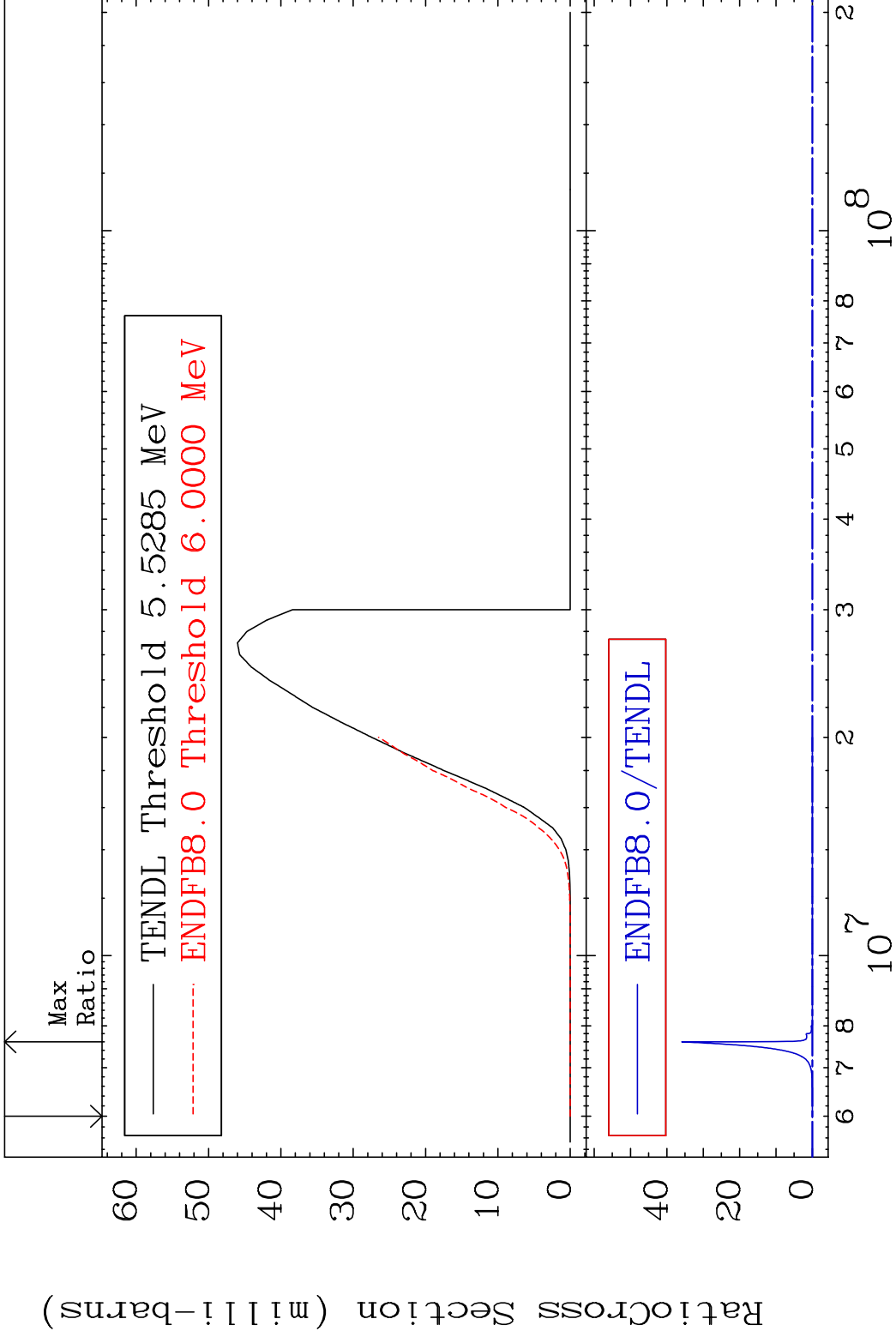
35-Br-79

MAT 3525

(n, n') α

35-Br-79

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

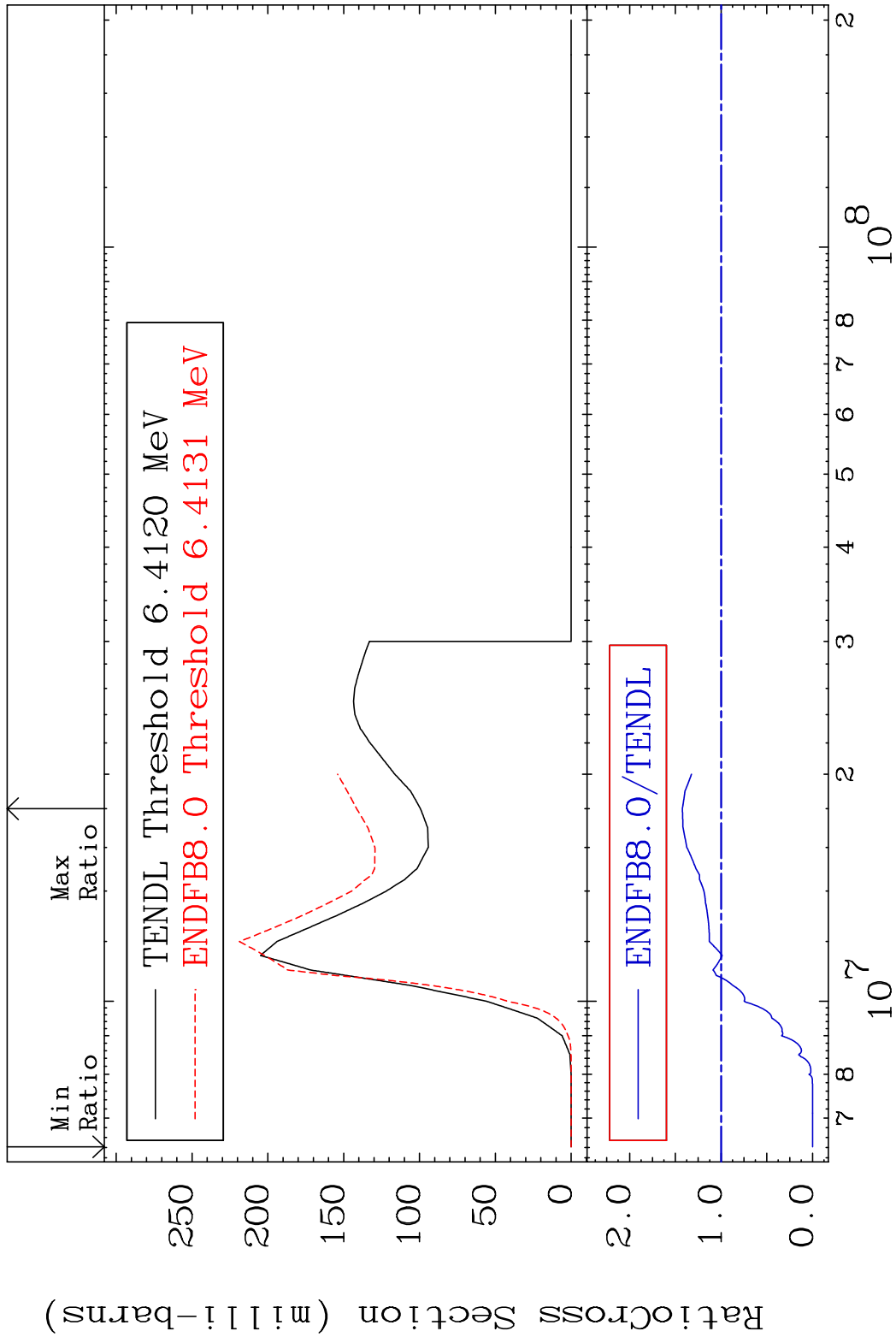
35-Br-79

MAT 3525

(n, n') p

35-Br-79

Cross Section -100.0 To 42.35 %



7

Incident Energy (eV)

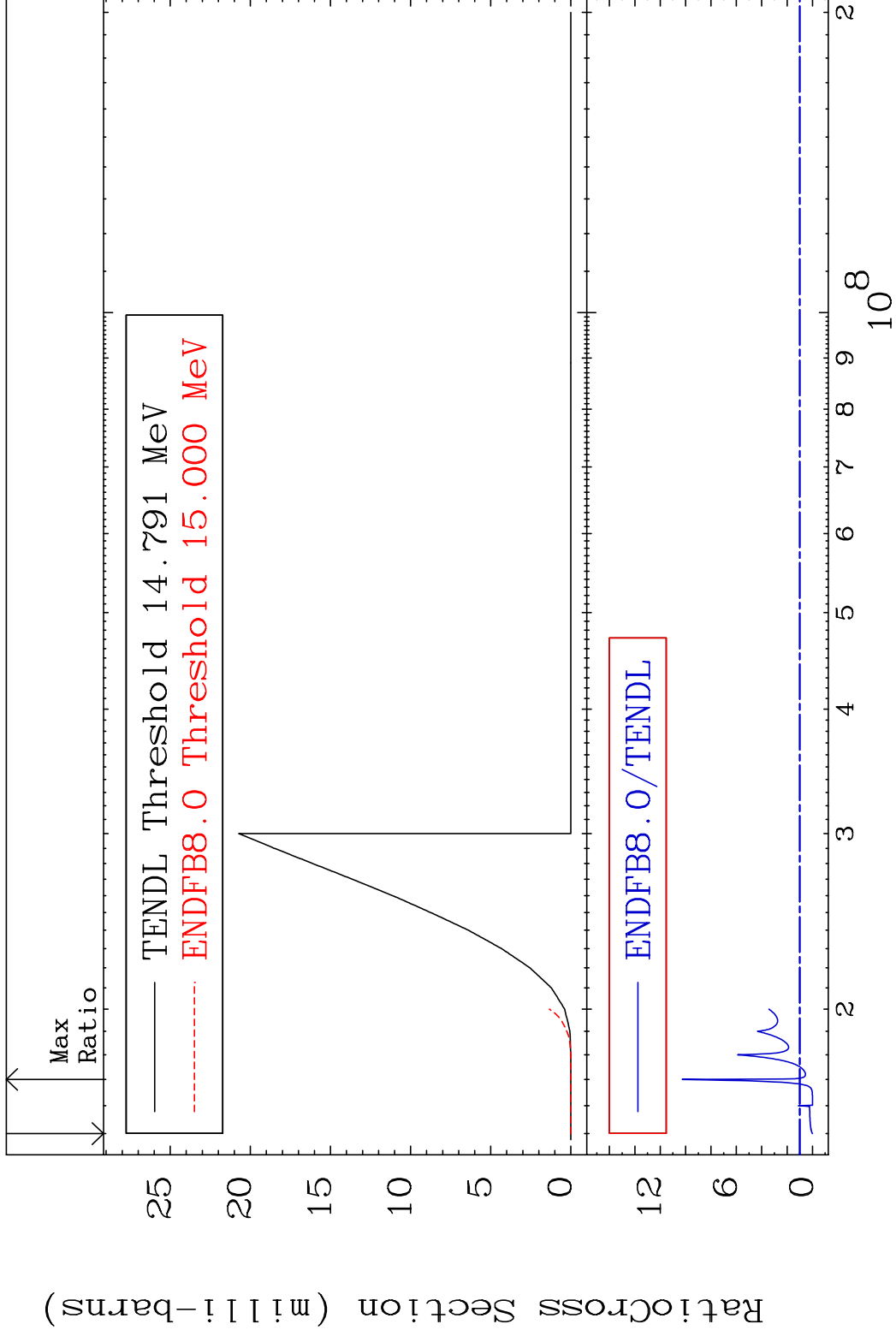
35-Br-79

MAT 3525

(n, n') d

35-Br-79

Cross Section -100.0 To 927.2 %



8

Incident Energy (eV)

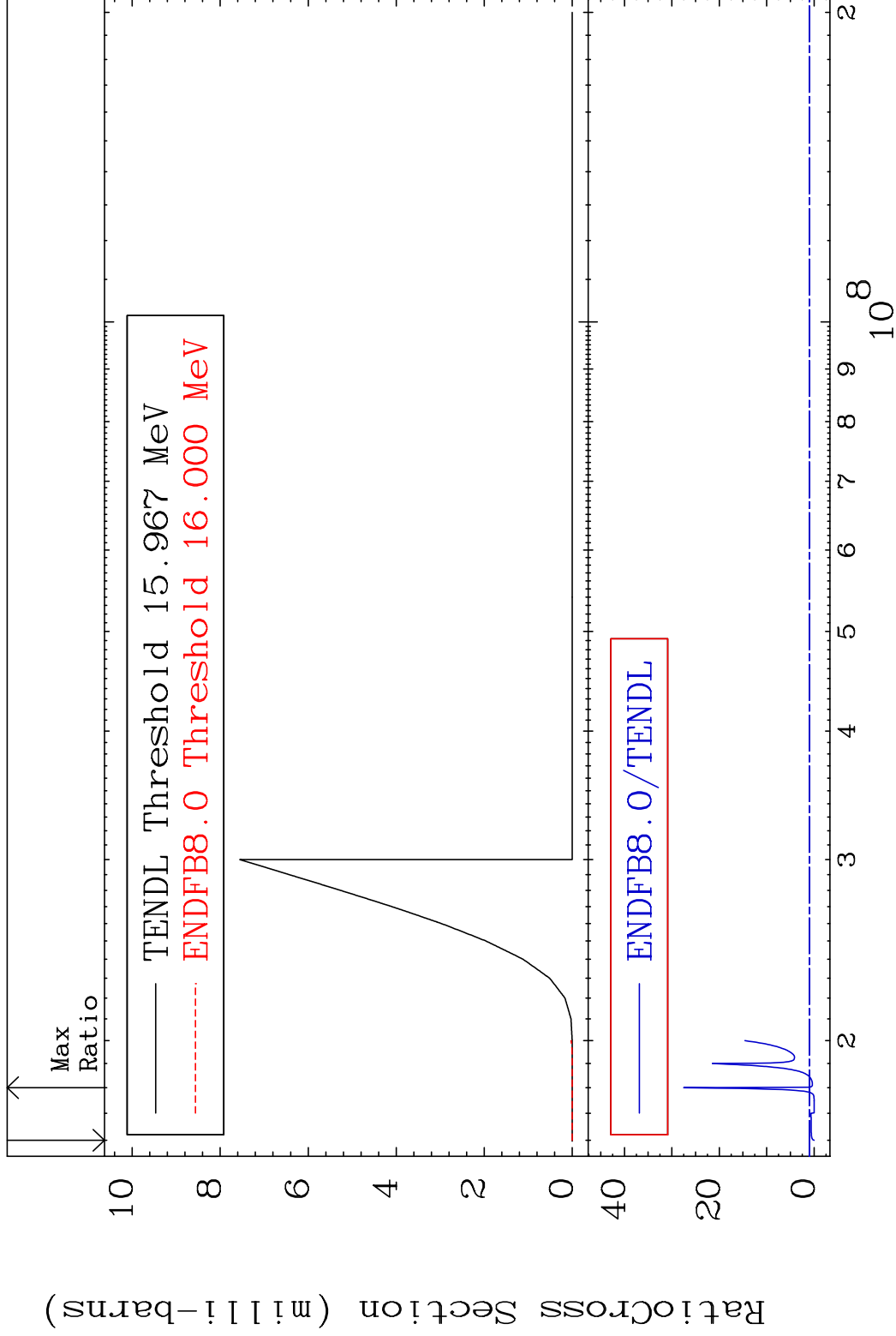
35-Br-79

MAT 3525

(n, n') t

35-Br-79

Cross Section -100.0 To 2651. %

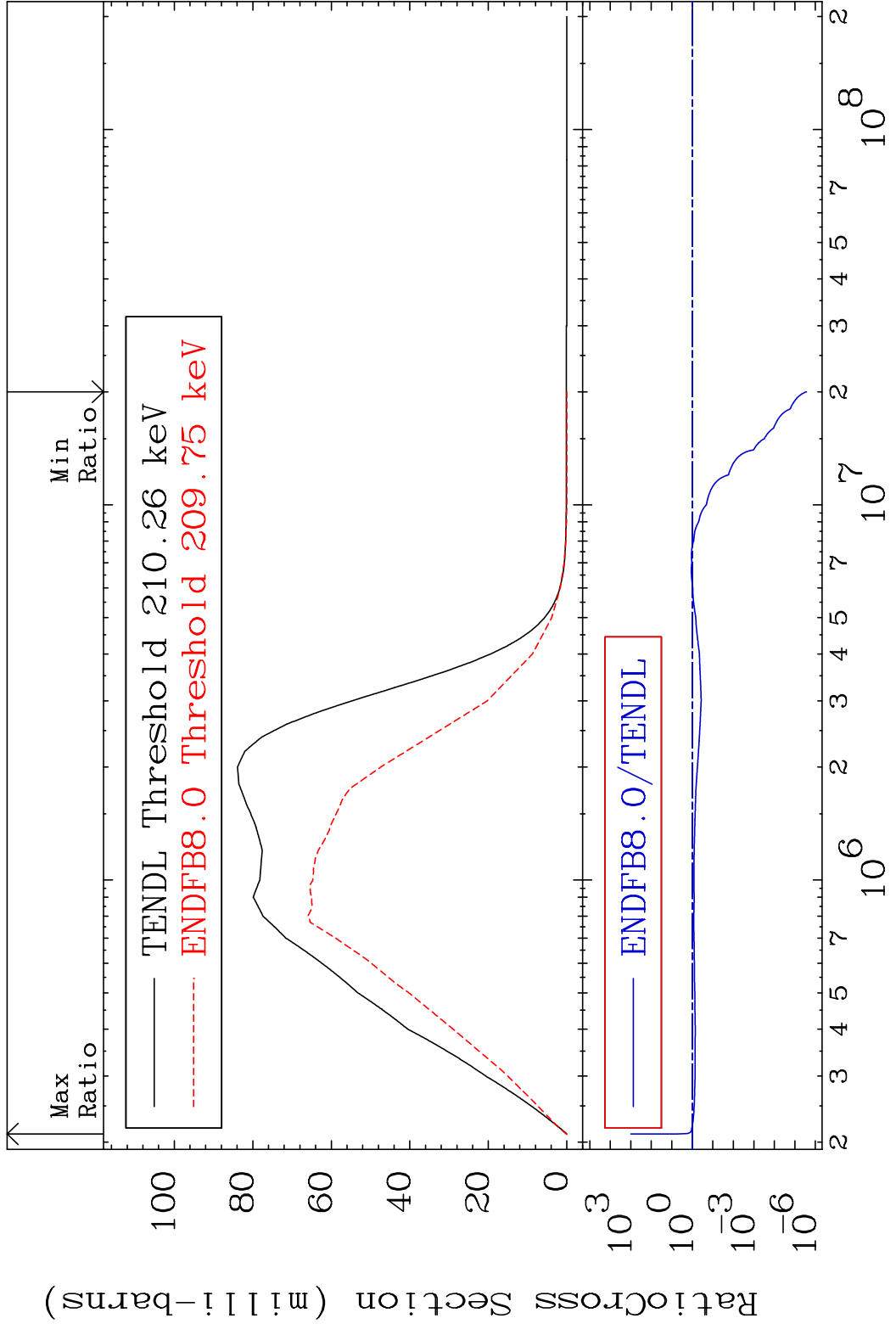


9

Incident Energy (eV)

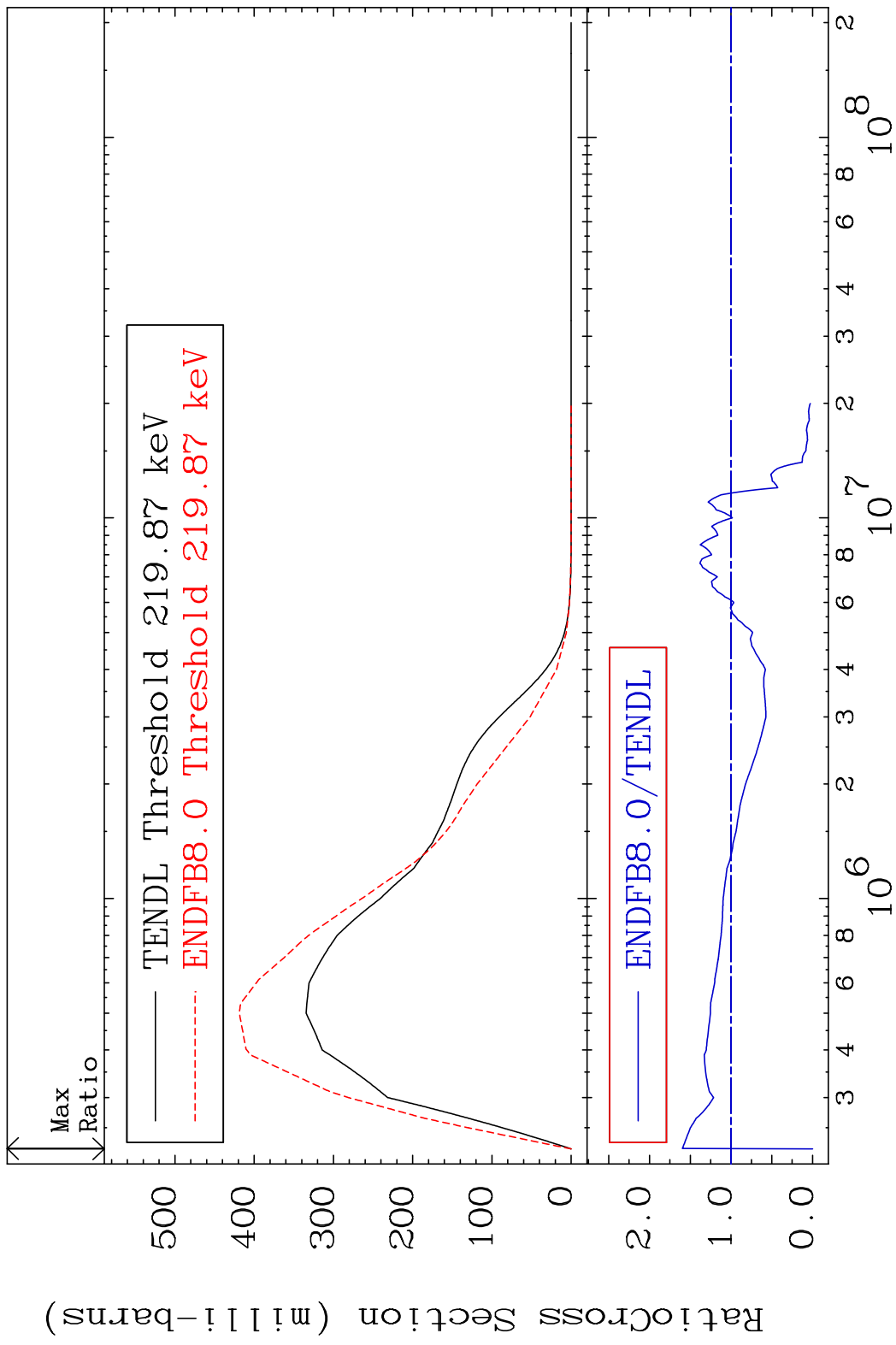
35-Br-79

MAT 3525 MT= 51 (n,n') Level 35-Br-79
 Cross Section -100.0 To 447.1 %

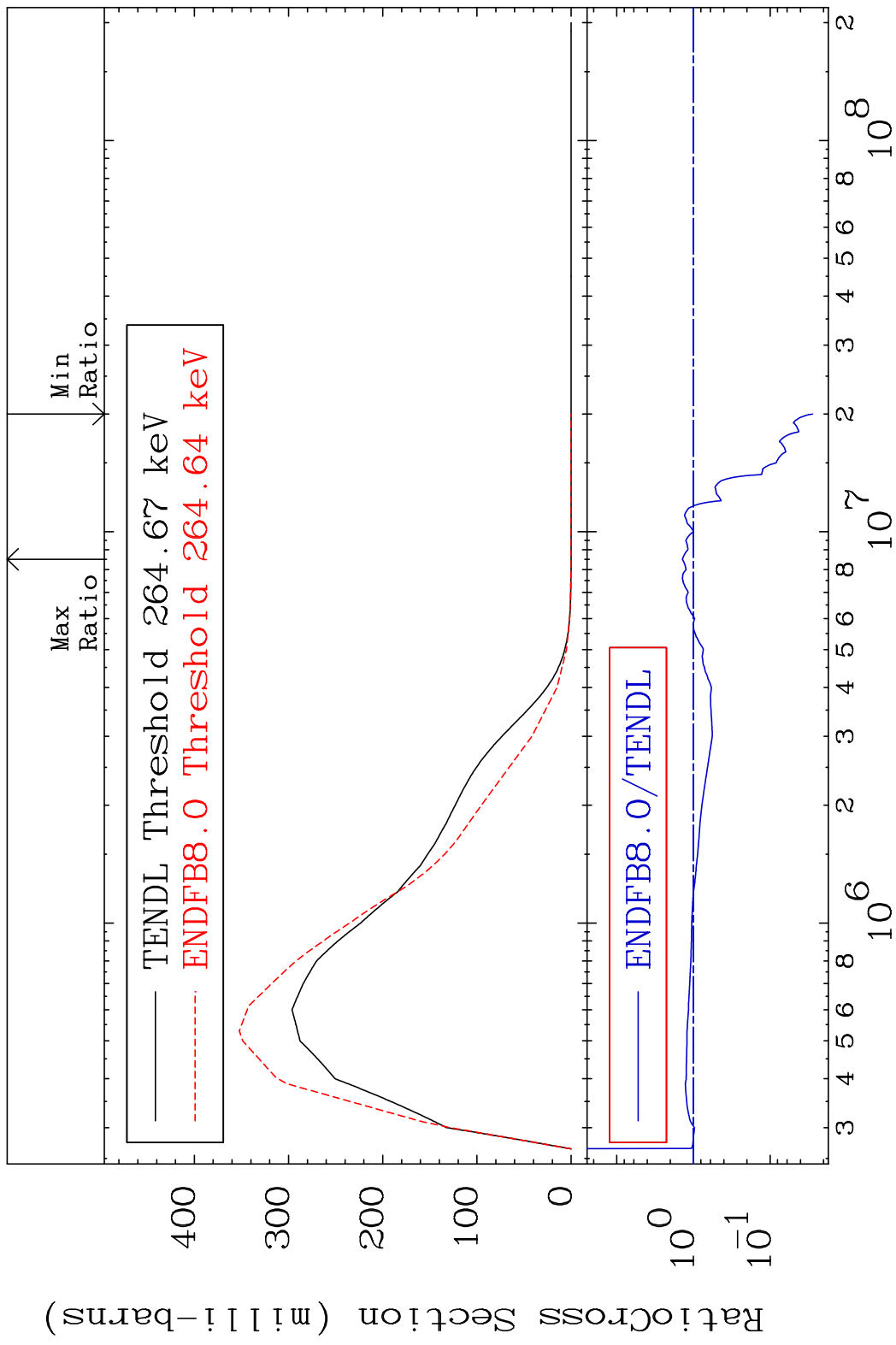


10 Incident Energy (eV) 35-Br-79

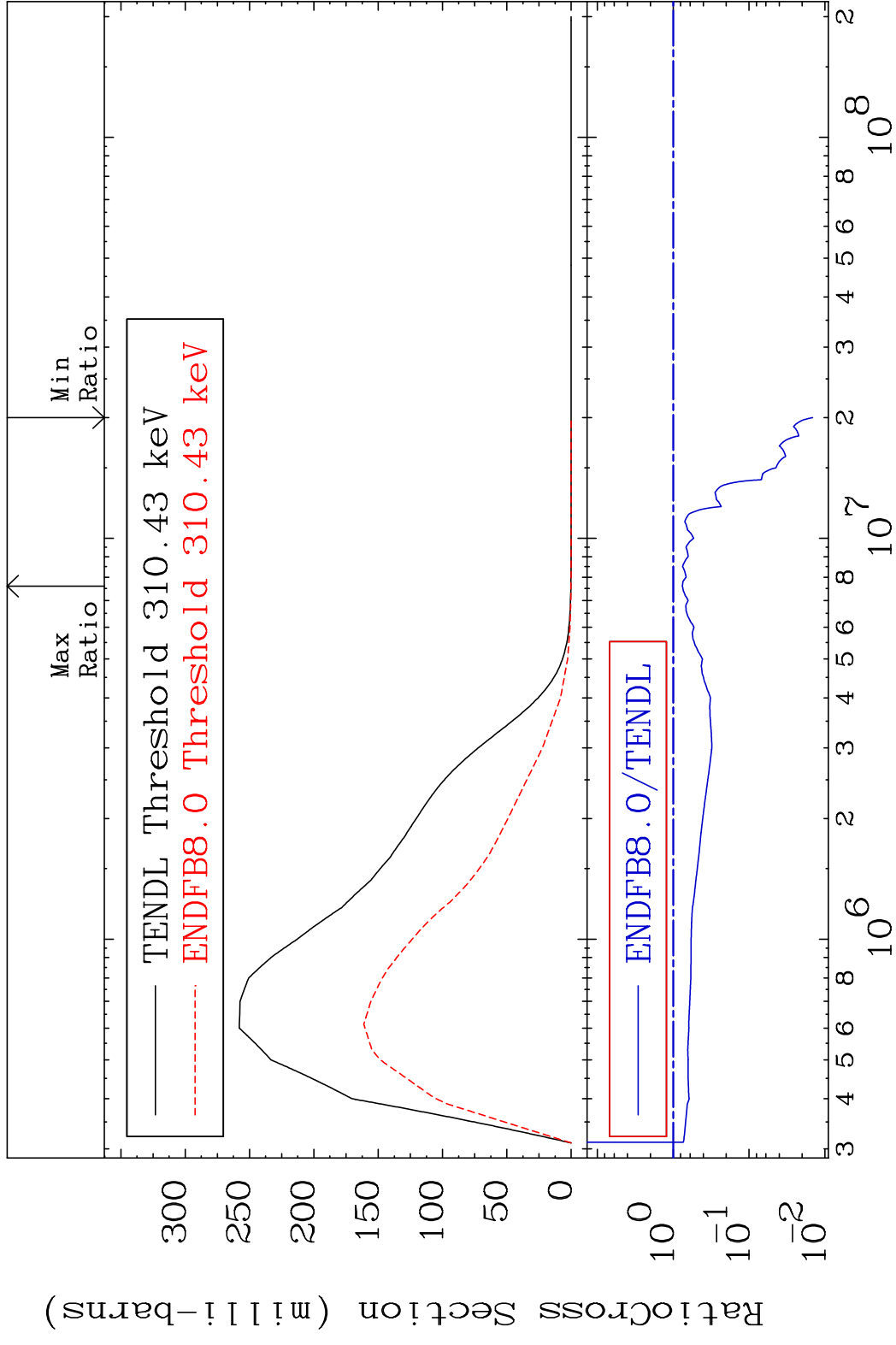
MAT 3525 MT= 52 (n,n') Level 35-Br-79
 Cross Section -100.0 To 59.72 %



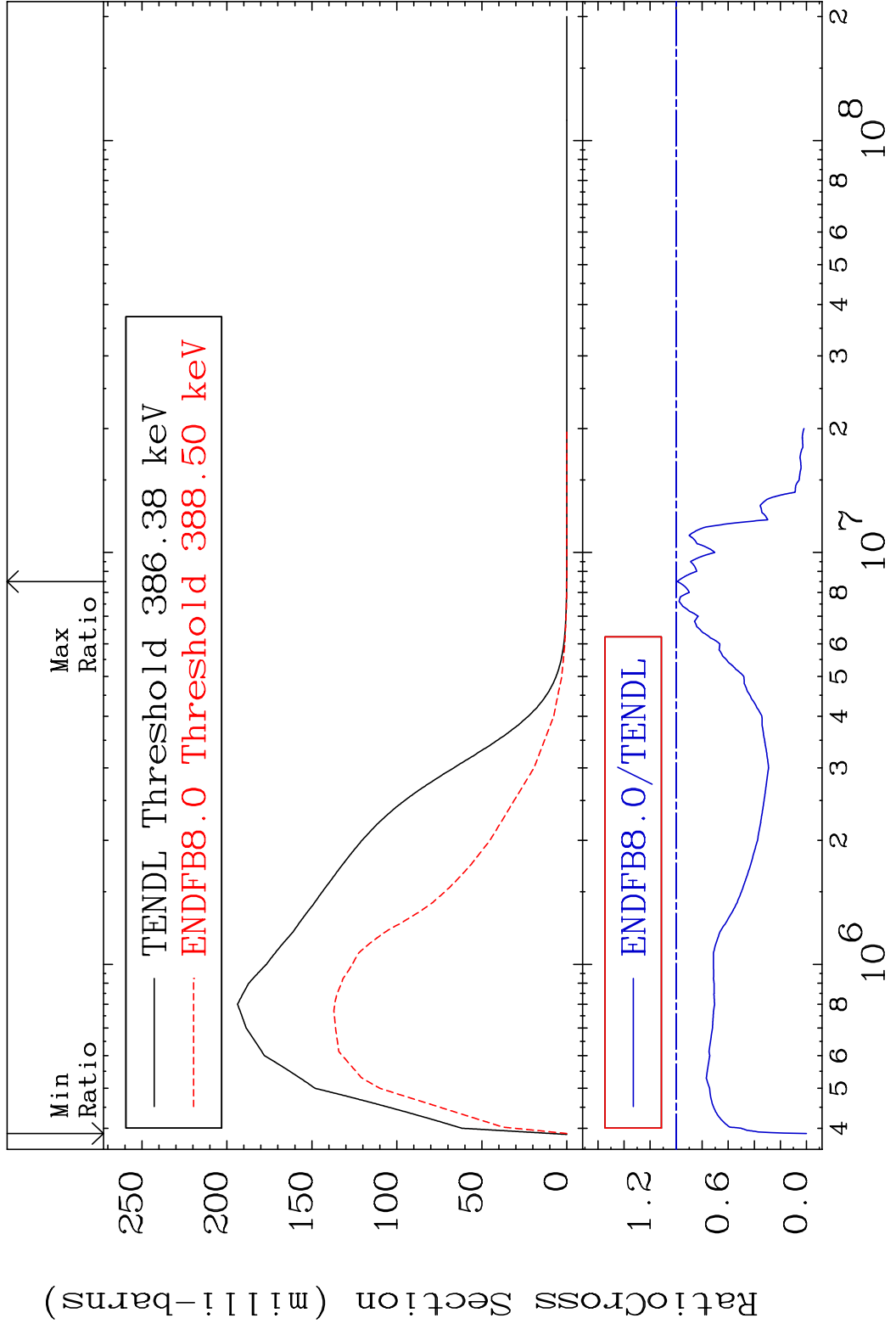
MAT 3525 MT= 53 (n, n') Level 35-Br-79
 Cross Section -97.21 To 39.49 %



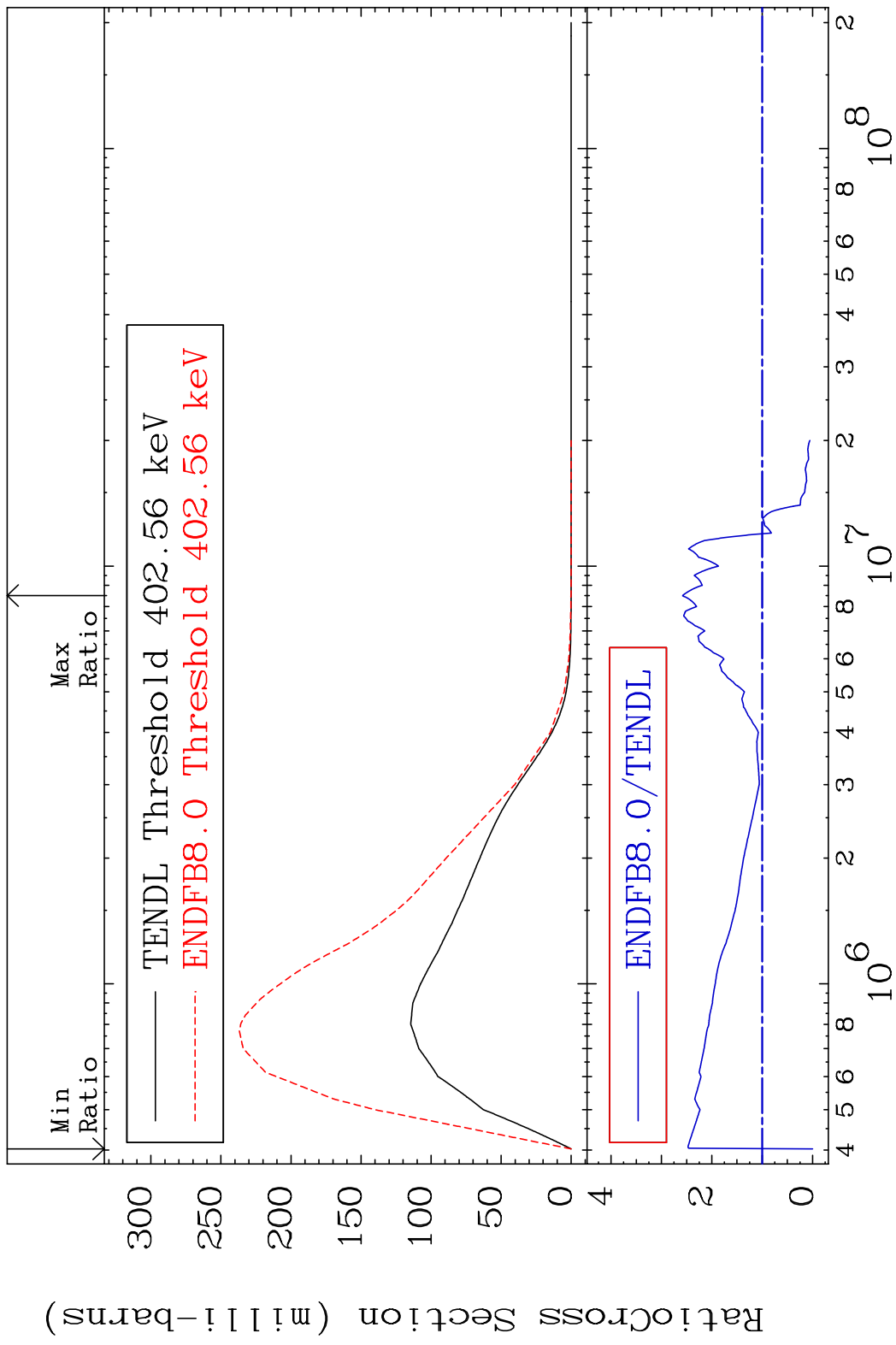
MAT 3525 MT= 54 (n, n') Level 35-Br-79
 Cross Section -98.55 To -24.25%



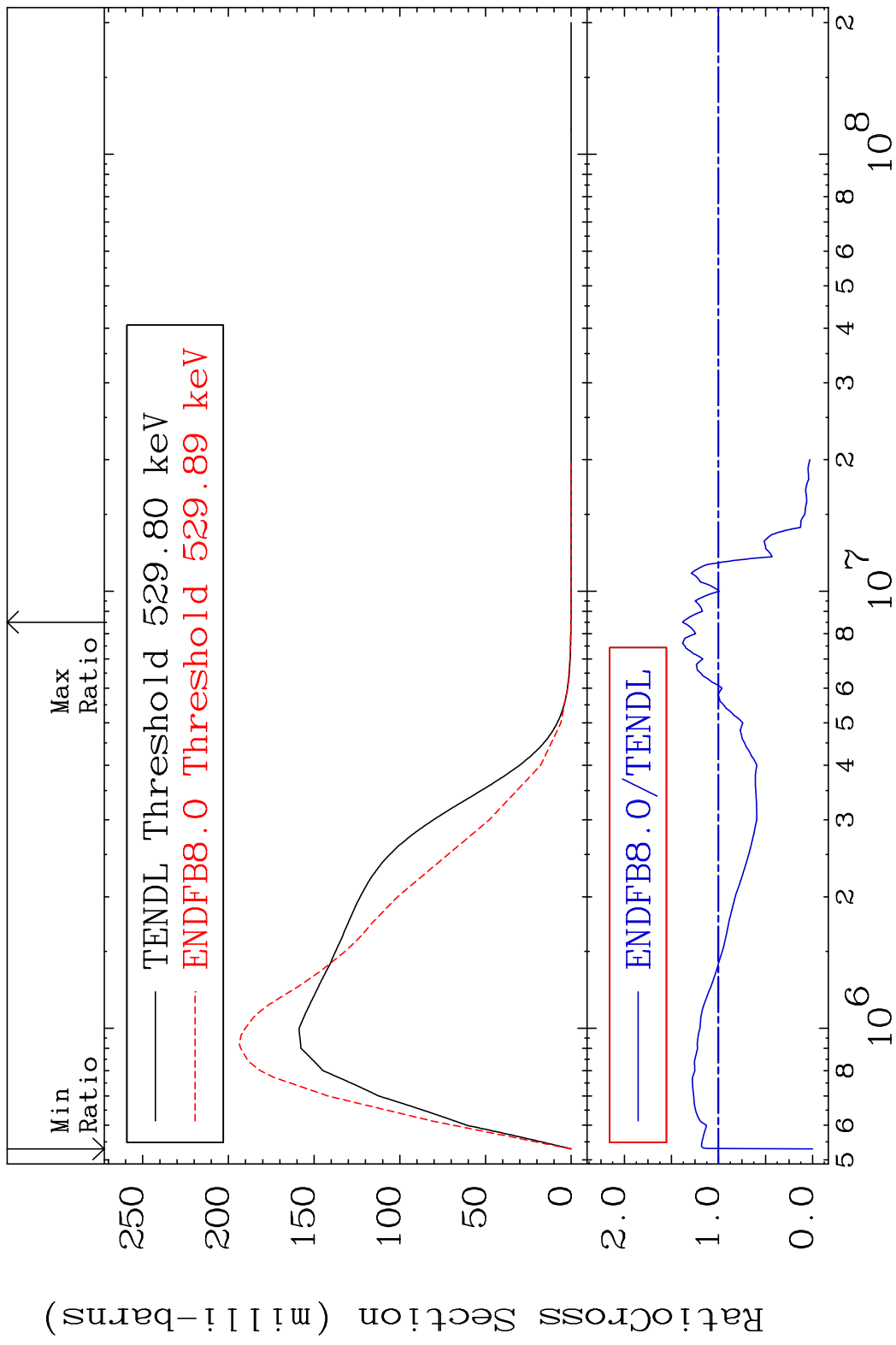
MAT 3525 MT= 55 (n, n') Level 35-Br-79
 Cross Section -100.0 To -0.810%



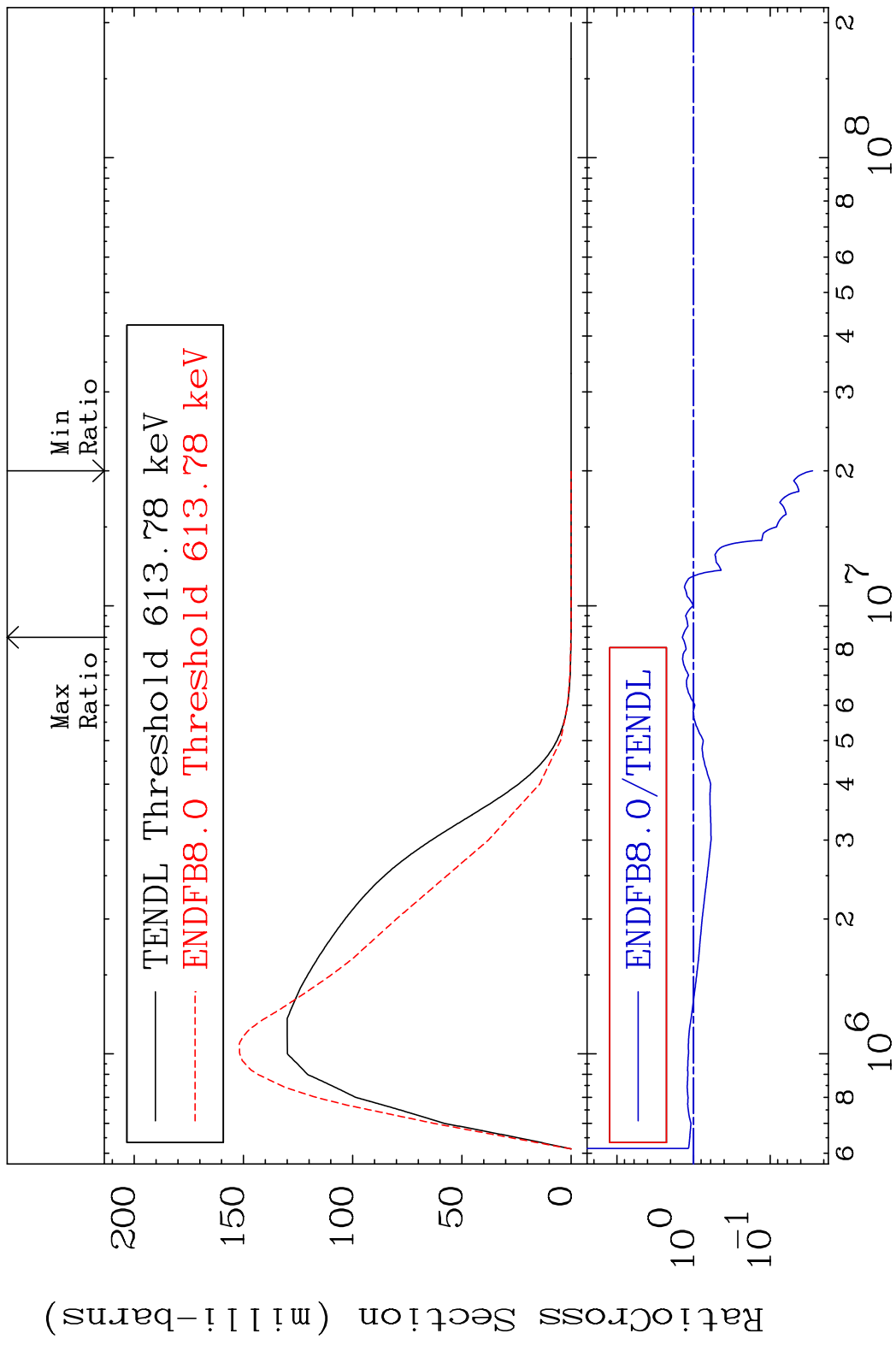
MAT 3525 MT= 56 (n, n') Level 35-Br-79
 Cross Section -100.0 To 158.4 %



MAT 3525 MT= 57 (n, n') Level 35-Br-79
 Cross Section -100.0 To 38.45 %

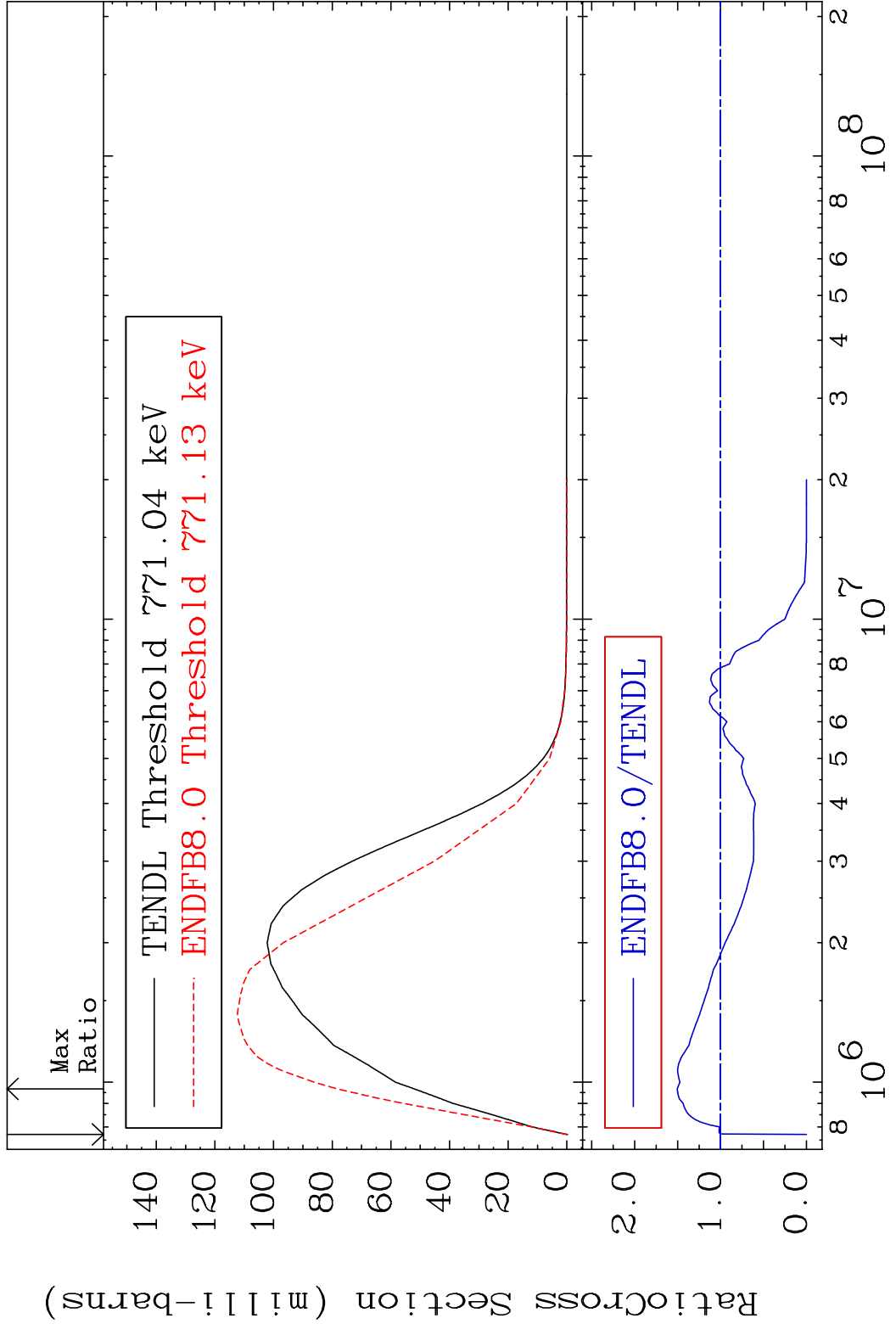


MAT 3525 MT= 58 (n, n') Level 35-Br-79
 Cross Section -97.19 To 40.24 %

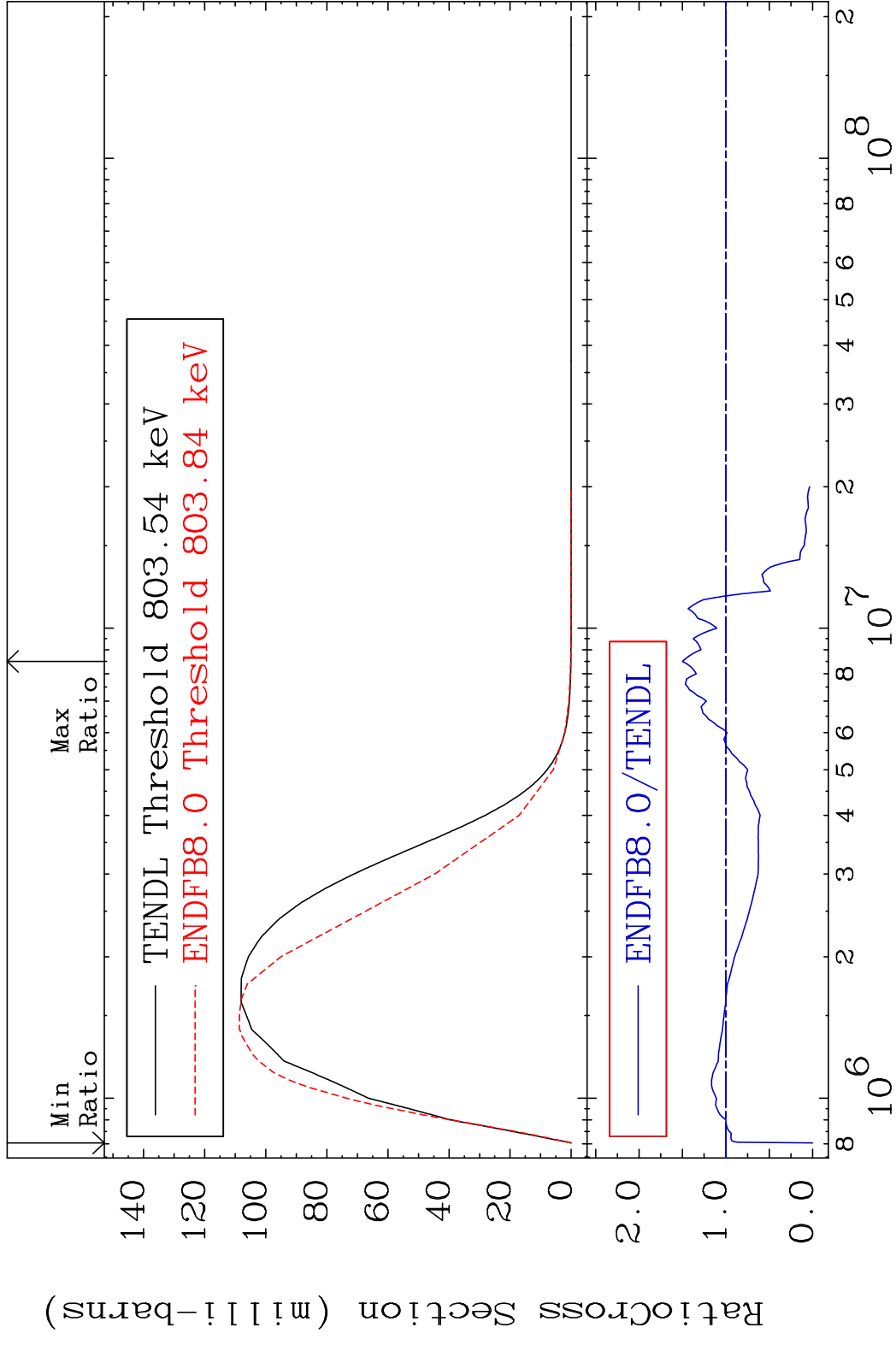


17 Incident Energy (eV) 35-Br-79

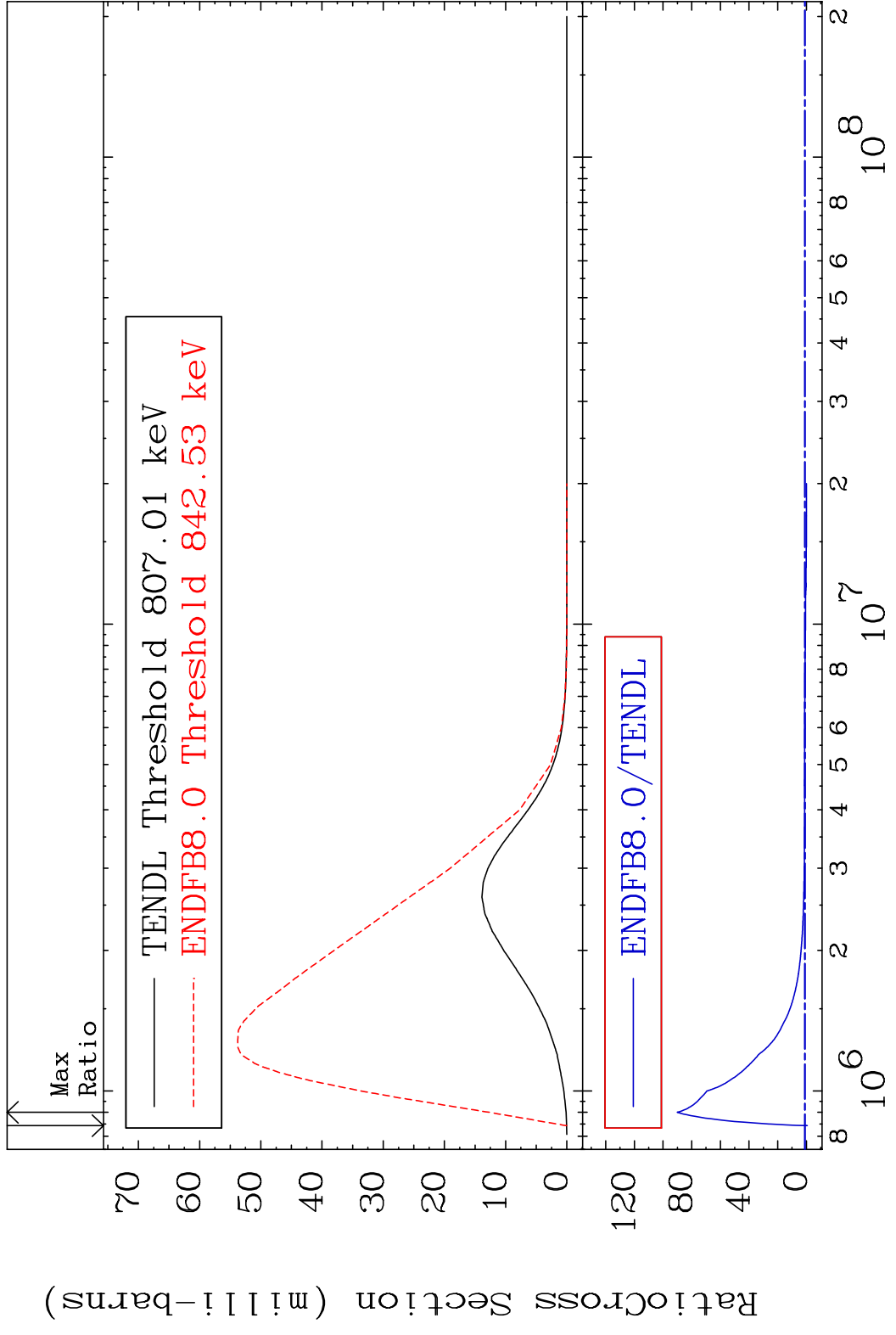
MAT 3525 MT= 59 (n, n') Level 35-Br-79
 Cross Section -100.0 To 50.51 %



MAT 3525 MT= 60 (n, n') Level 35-Br-79
 Cross Section -100.0 To 50.12 %

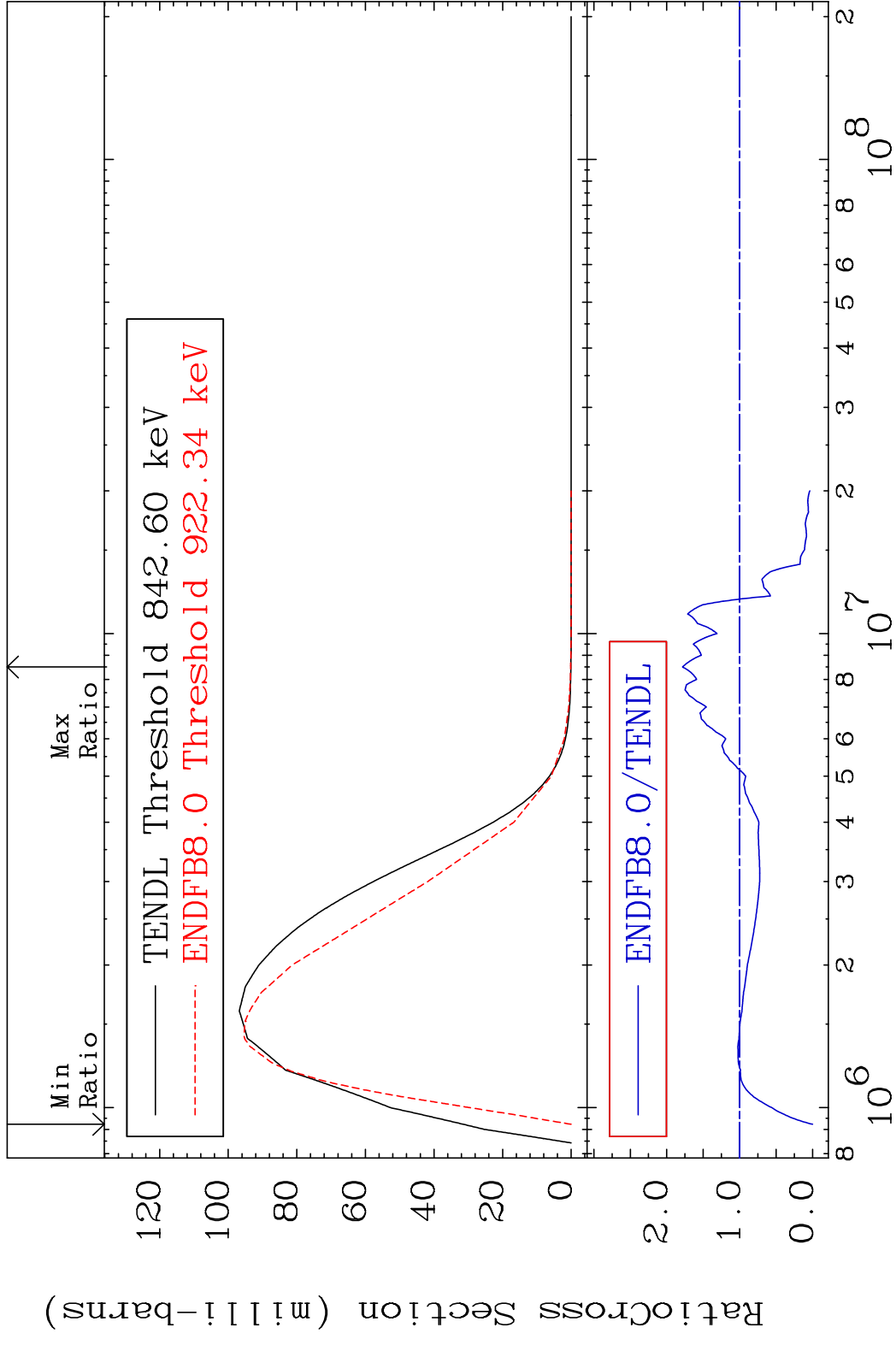


MAT 3525 MT= 61 (n, n') Level 35-Br-79
 Cross Section -100.0 To 8912. %



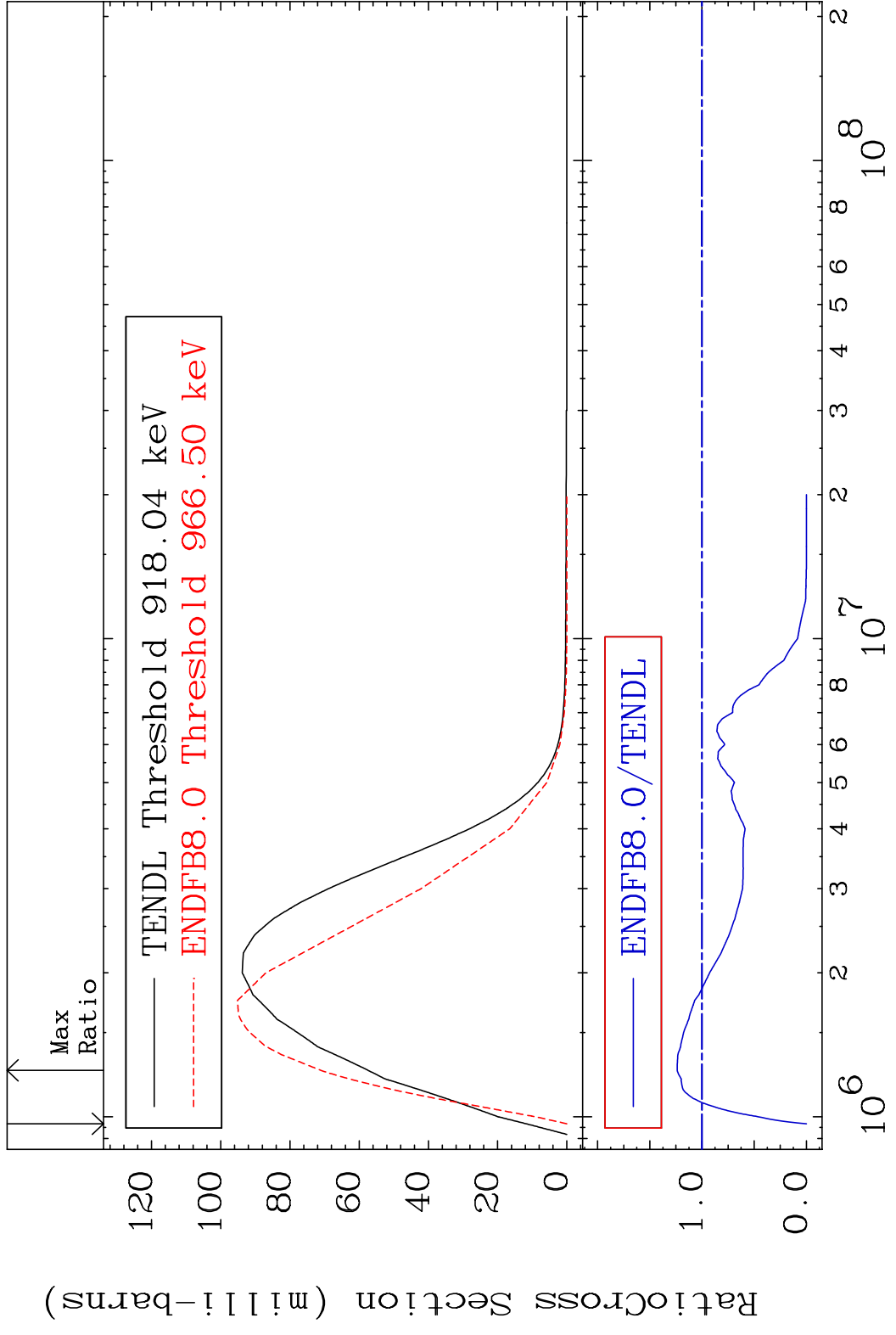
20 Incident Energy (eV) 35-Br-79

MAT 3525 MT= 62 (n, n') Level 35-Br-79
 Cross Section -100.0 To 78.58 %

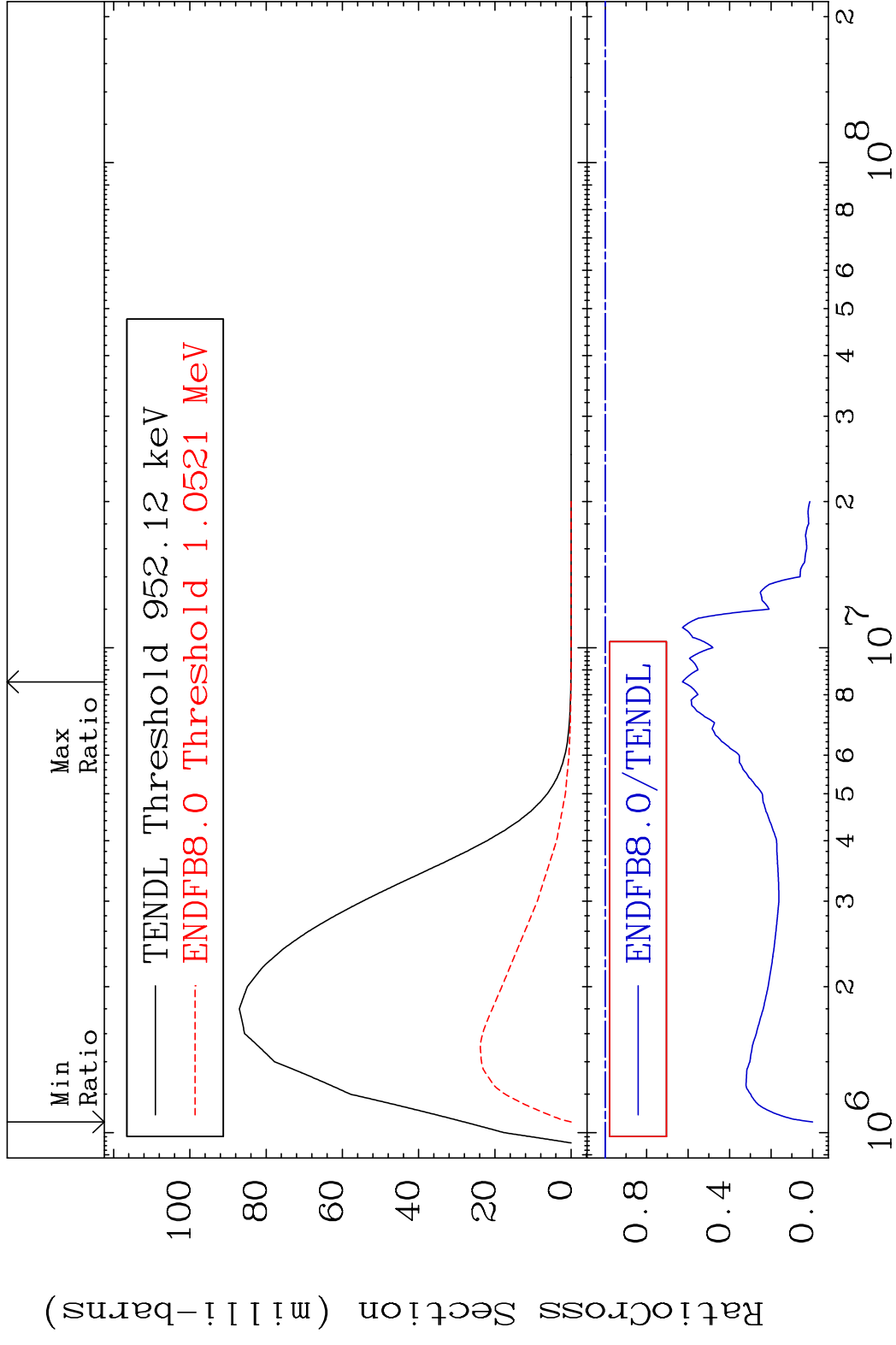


21 Incident Energy (eV) 35-Br-79

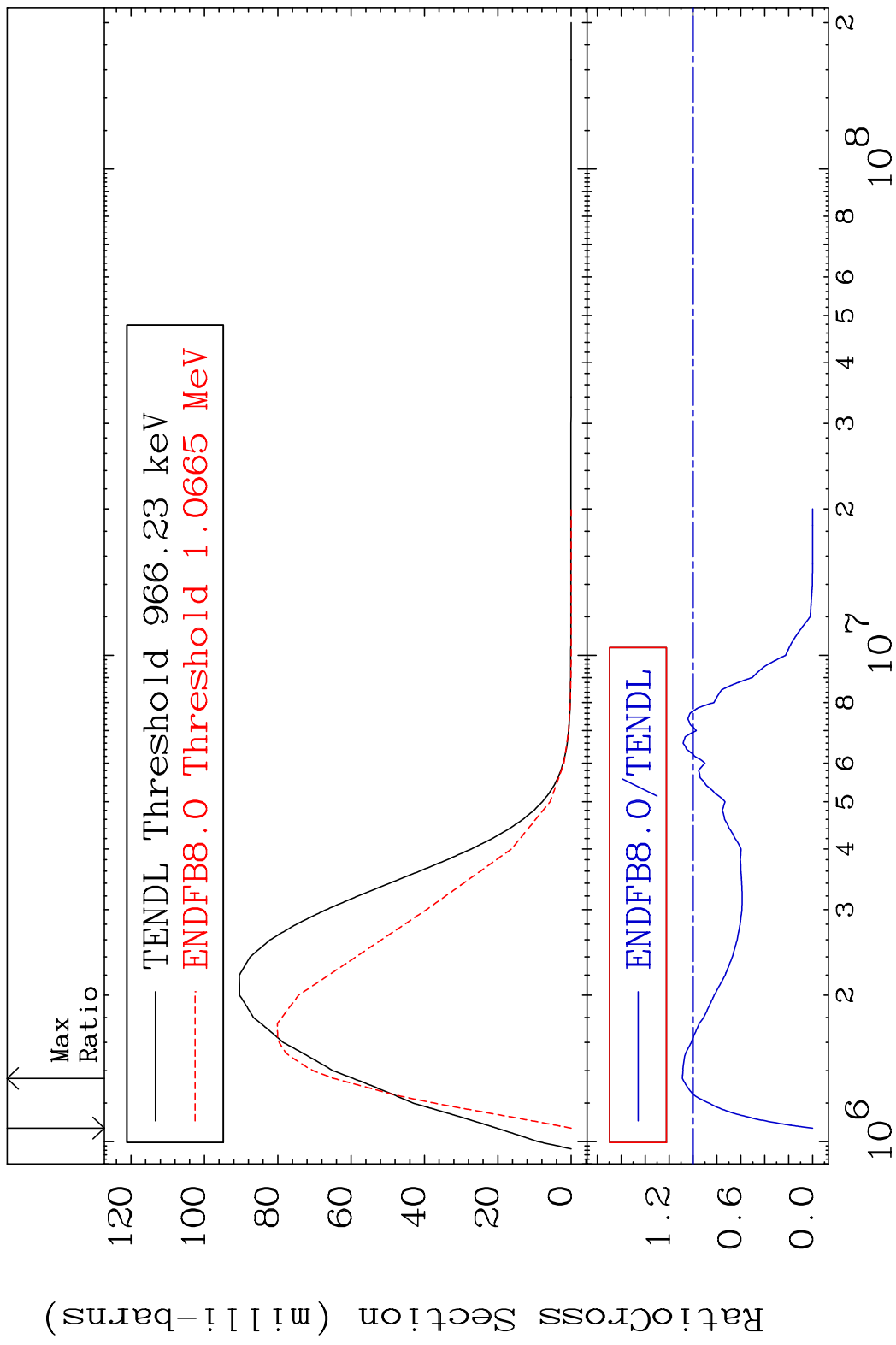
MAT 3525 MT= 63 (n, n') Level 35-Br-79
 Cross Section -100.0 To 23.77 %



MAT 3525 MT= 64 (n, n') Level 35-Br-79
 Cross Section -100.0 To -37.20%

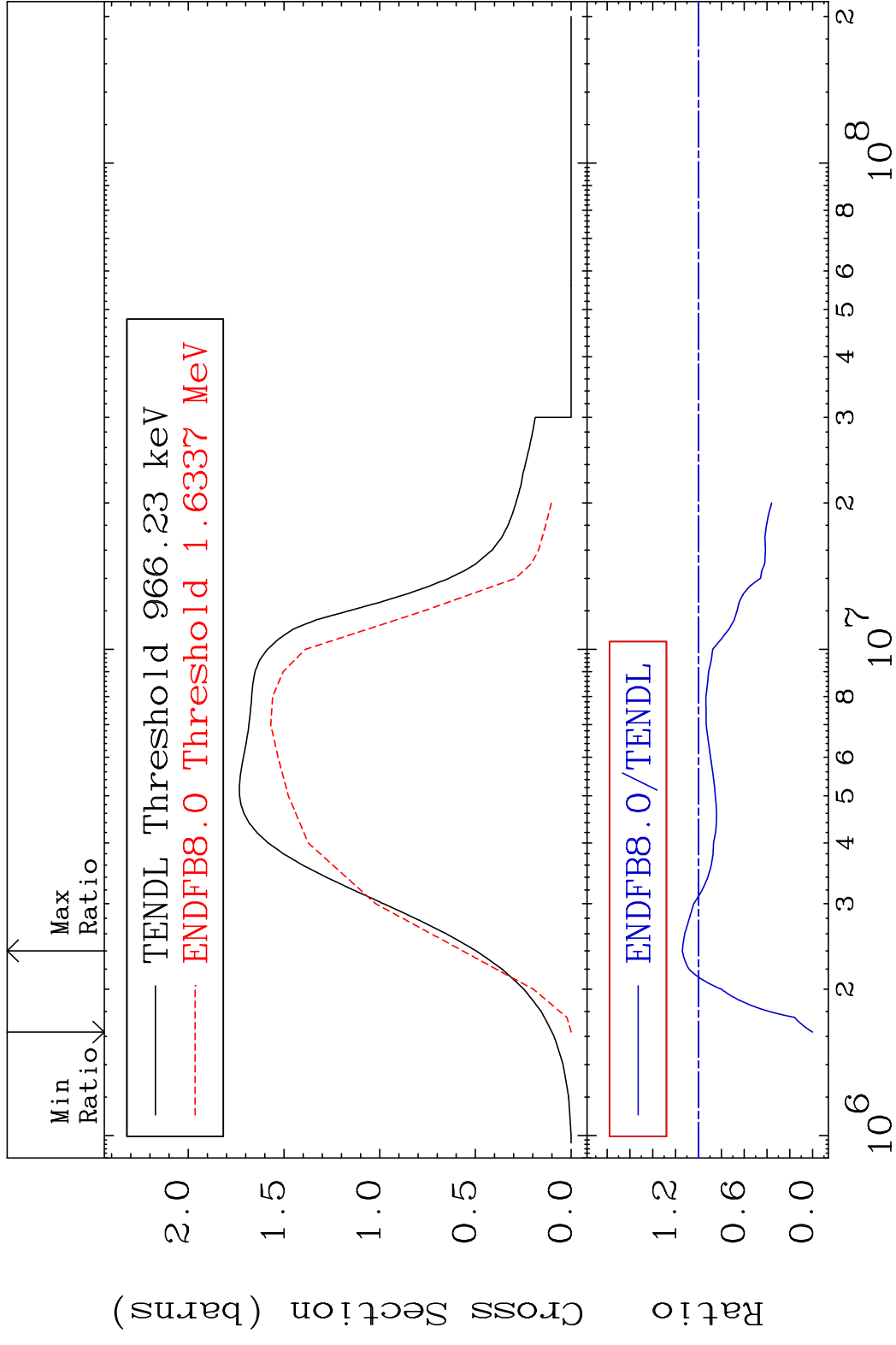


MAT 3525 MT= 65 (n, n') Level 35-Br-79
 Cross Section -100.0 To 8.883 %



24 Incident Energy (eV) 35-Br-79

MAT 3525 (n,n') Continuum 35-Br-79
 Cross Section -100.0 To 14.13 %



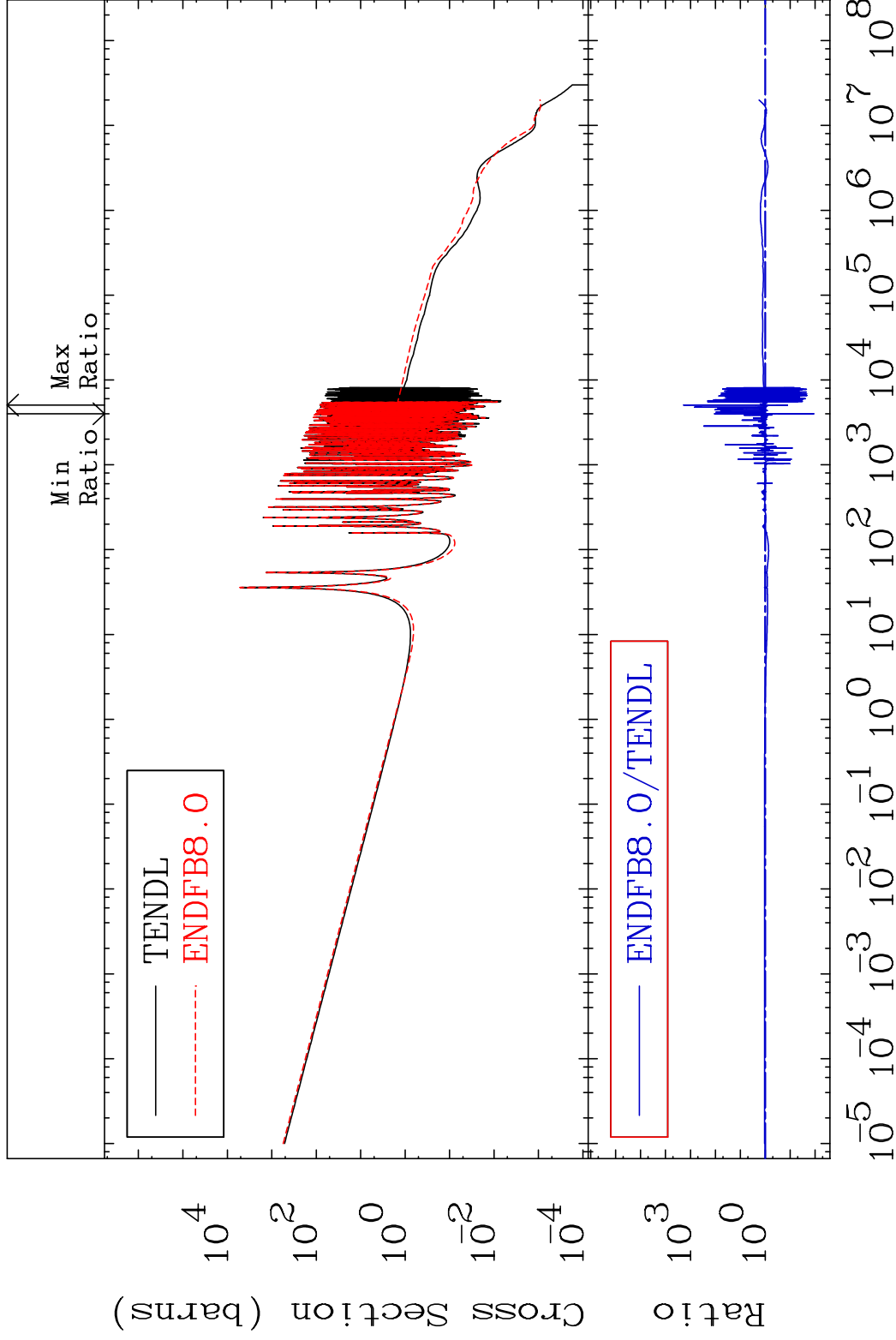
25 Incident Energy (eV) 35-Br-79

MAT 3525

(n, γ)

35-Br-79

Cross Section -98.90 To 9999. %



26

Incident Energy (eV)

35-Br-79

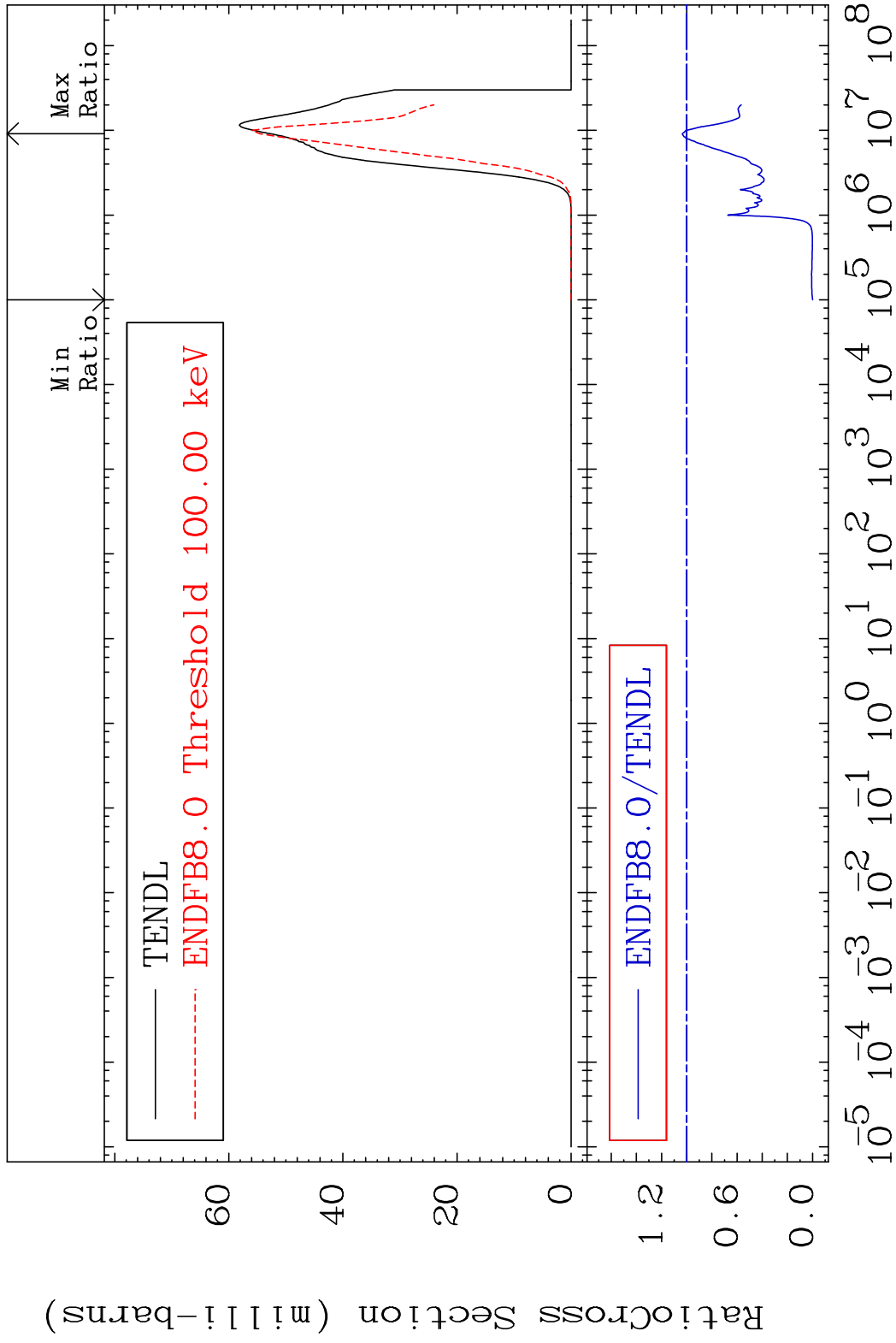
MAT 3525

(n,p)

35-Br-79

Cross Section

-100.0 To 3.475 %



27

Incident Energy (eV)

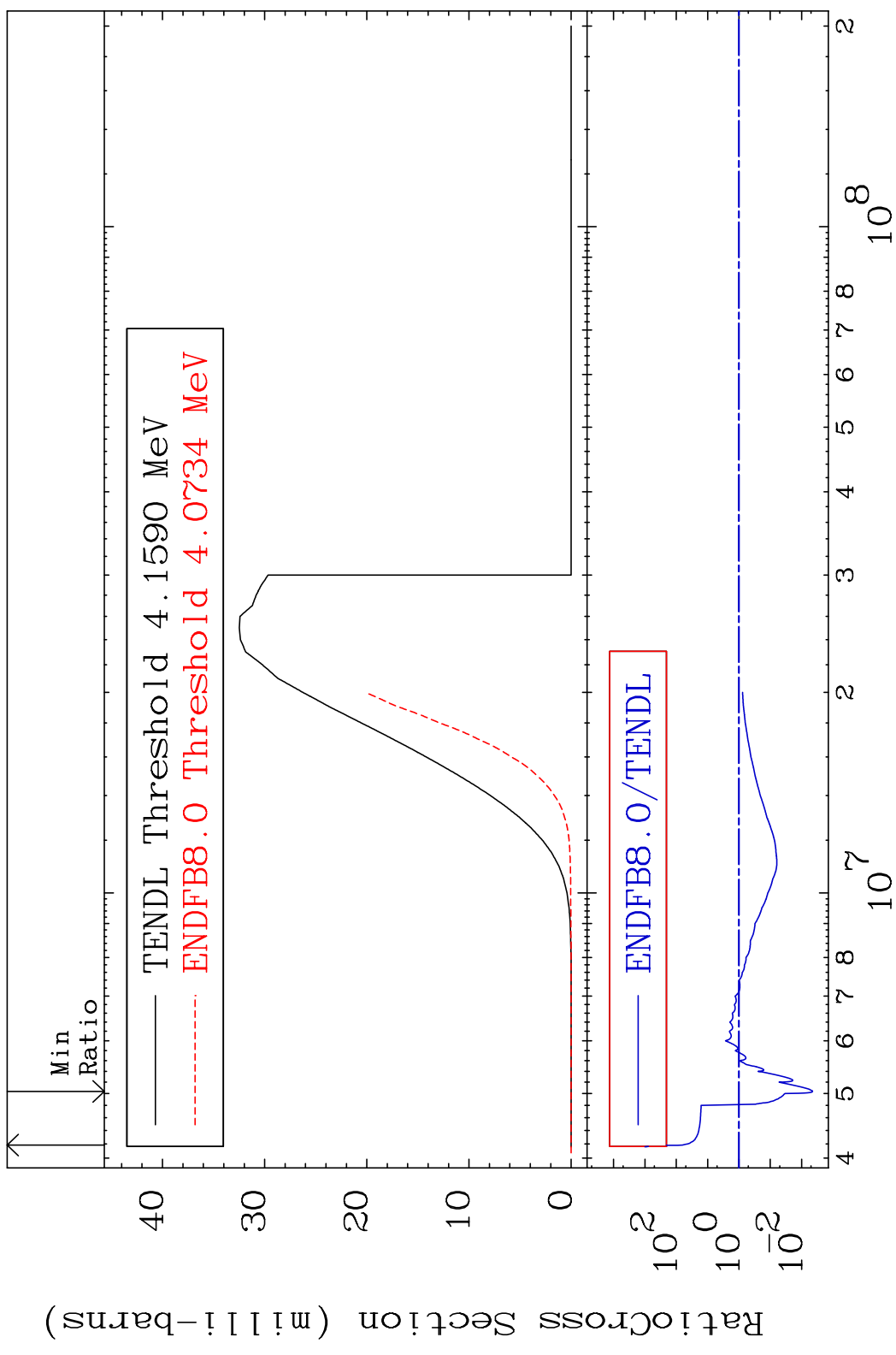
35-Br-79

MAT 3525

(n, d)

35-Br-79

Cross Section -99.55 To 6296. %

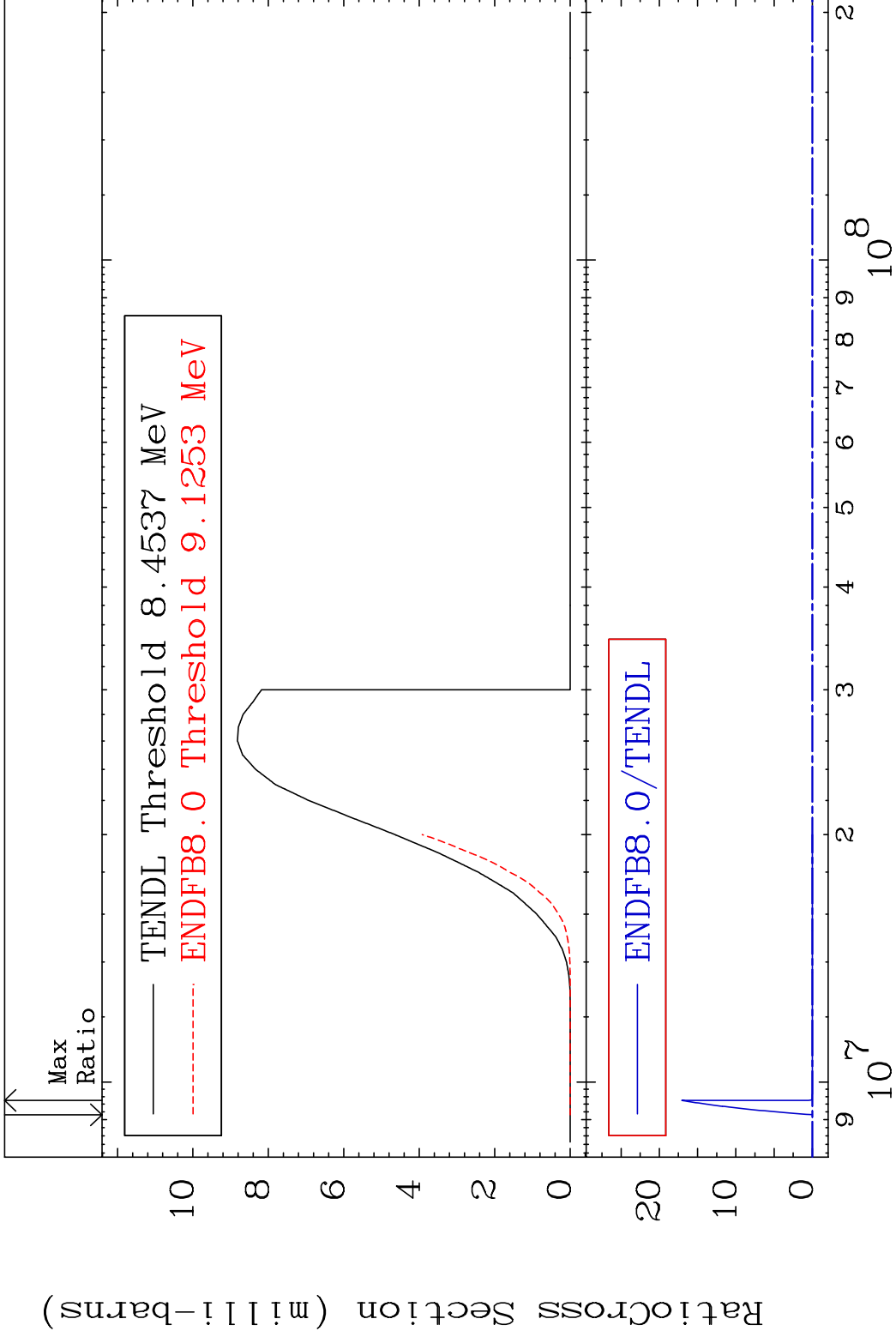


MAT 3525

(n, t)

35-Br-79

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

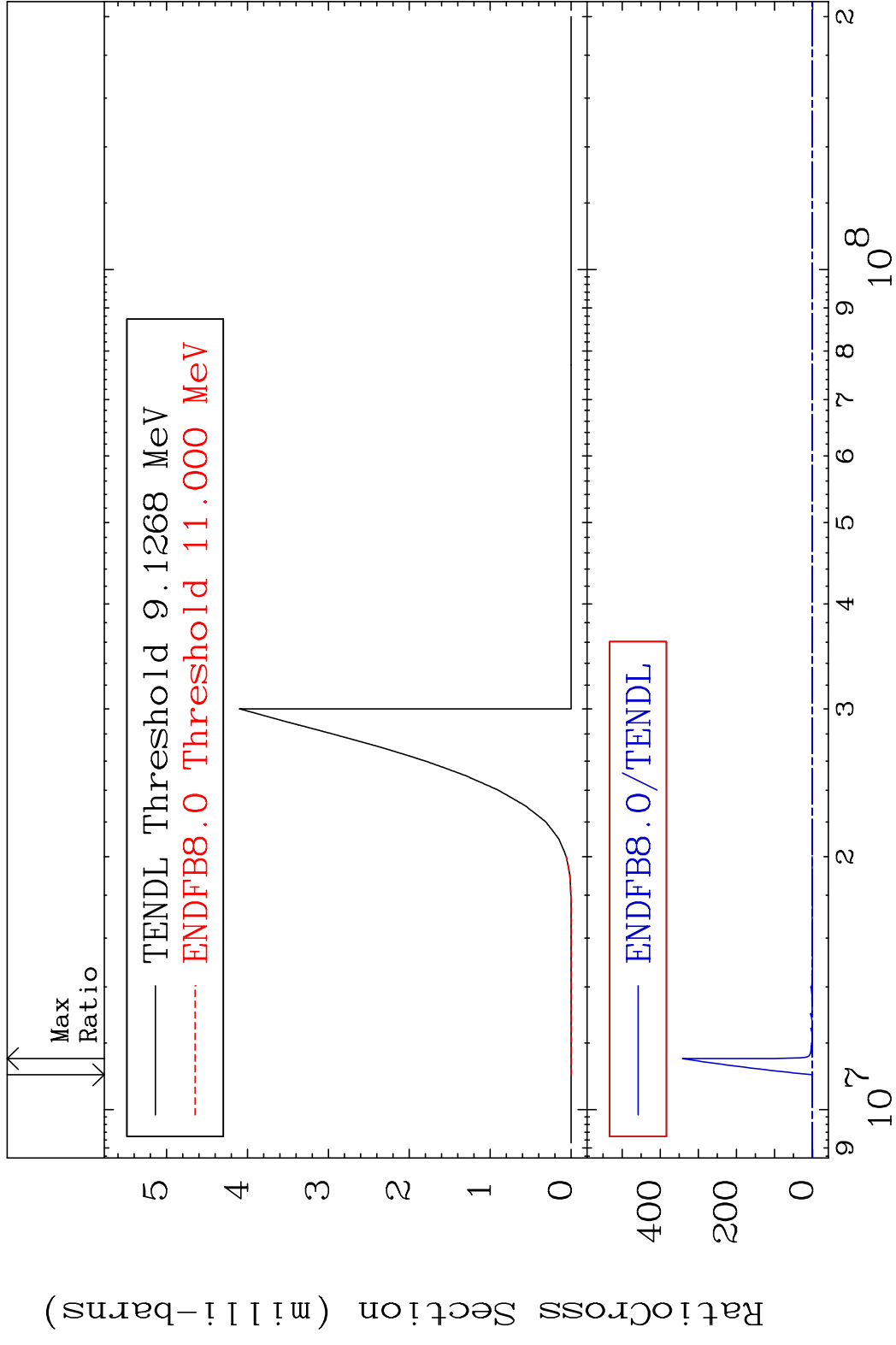
35-Br-79

MAT 3525

(n, He-3)

35-Br-79

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

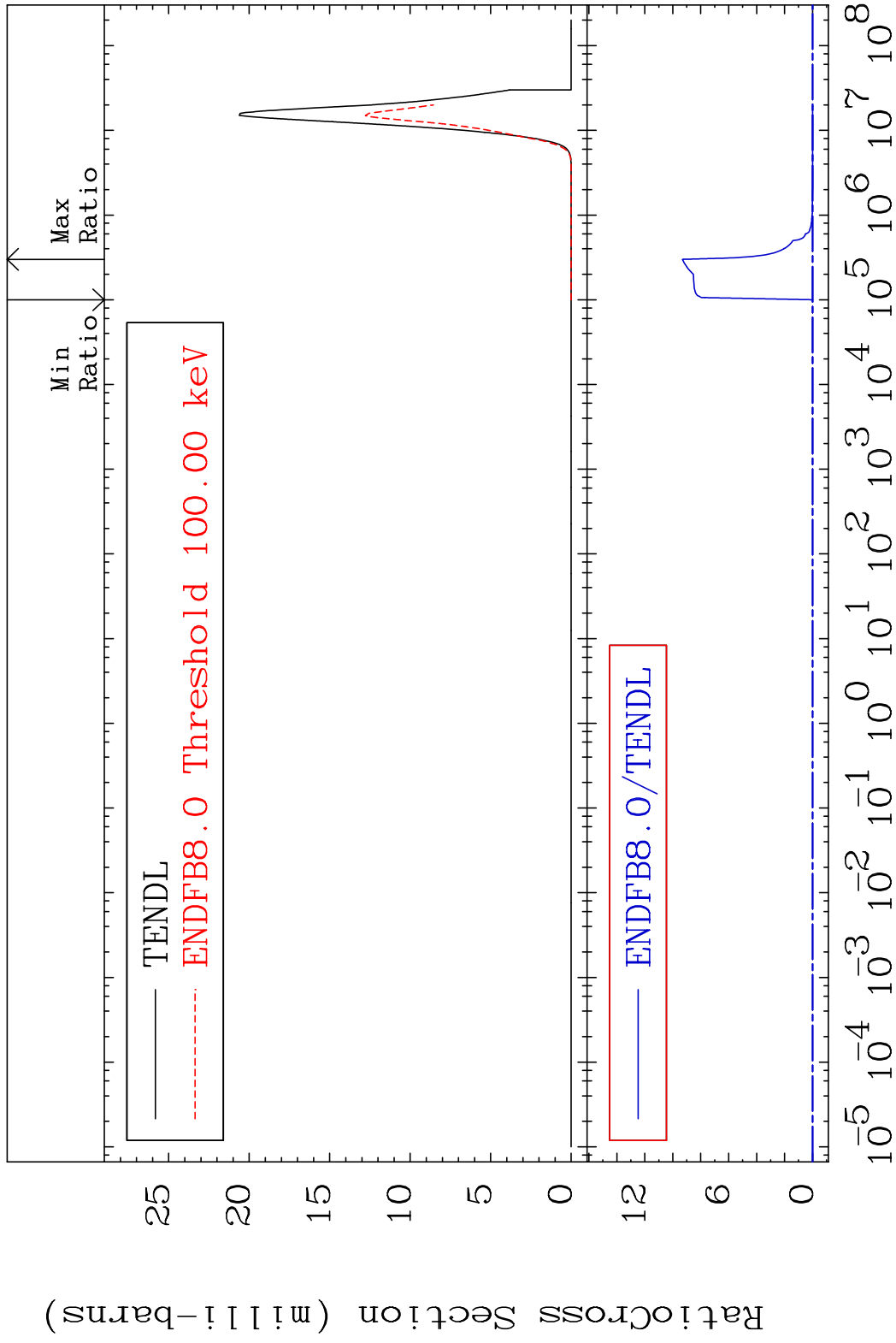
35-Br-79

MAT 3525

(n, α)

35-Br-79

Cross Section -100.0 To 9999. %

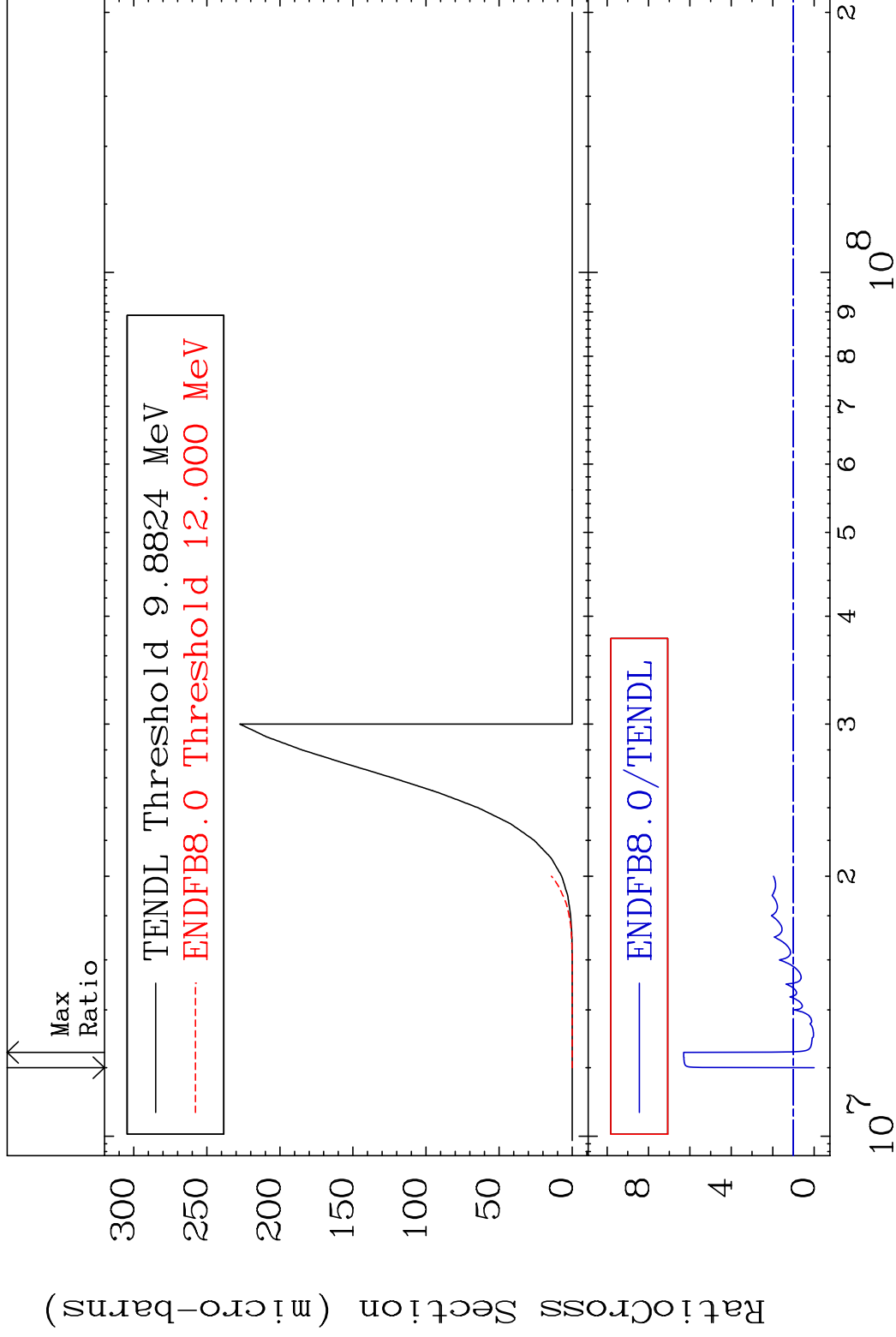


MAT 3525

(n,2p)

35-Br-79

Cross Section -100.0 To 530.1 %



32

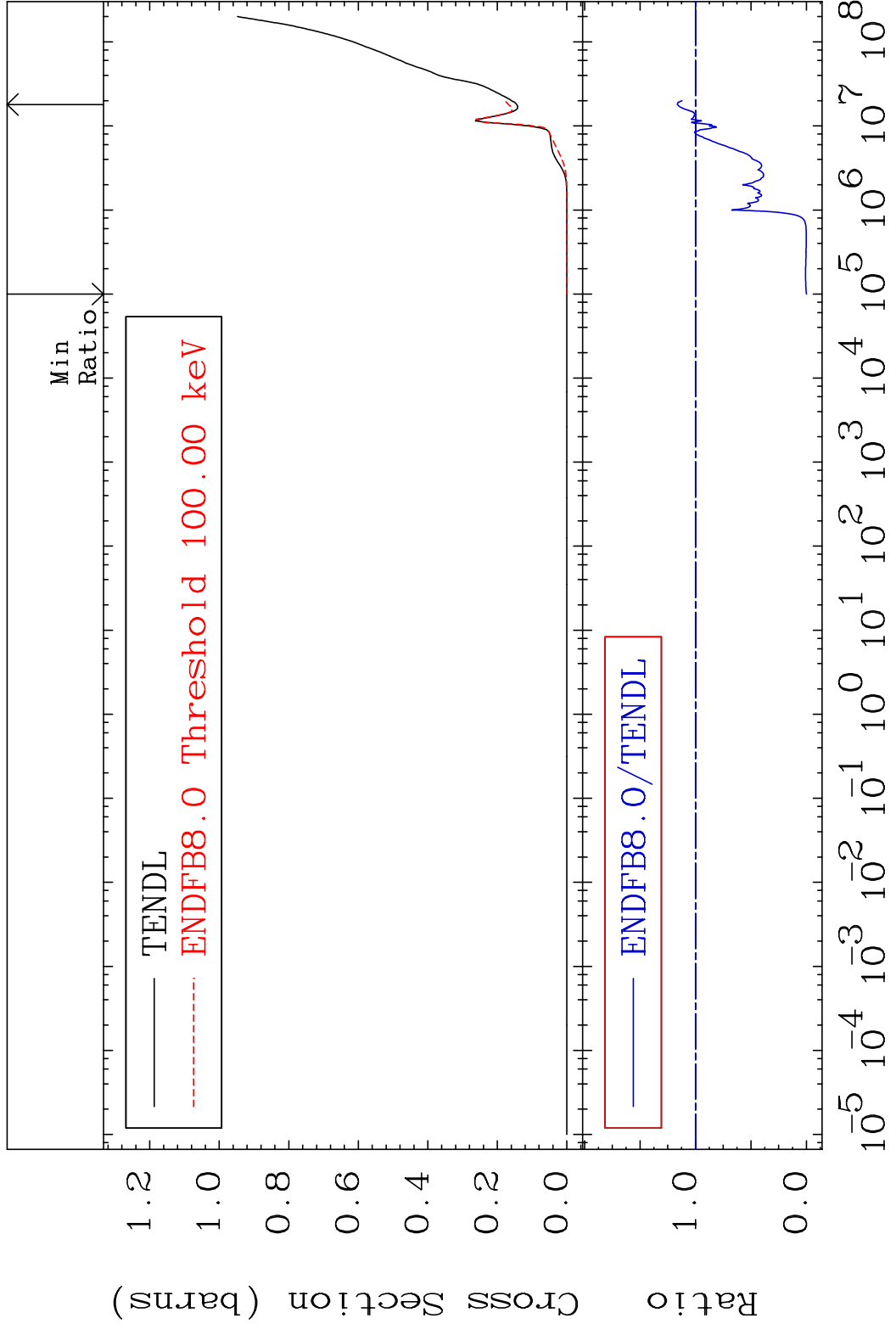
Incident Energy (eV)

35-Br-79

MAT 3525

Hydrogen Production
Cross Section -100.0 To 16.49 %

³⁵Br-79

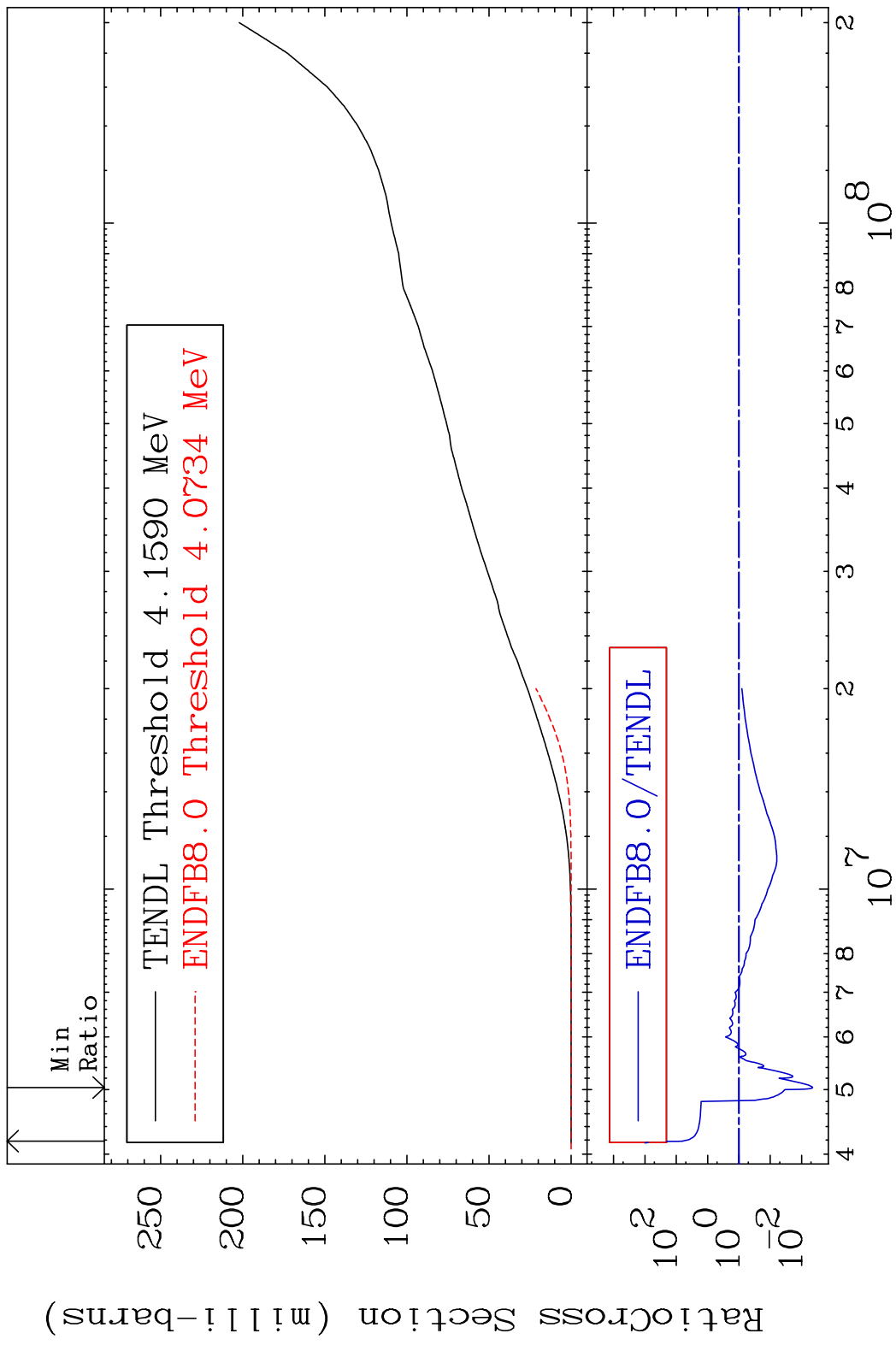


33

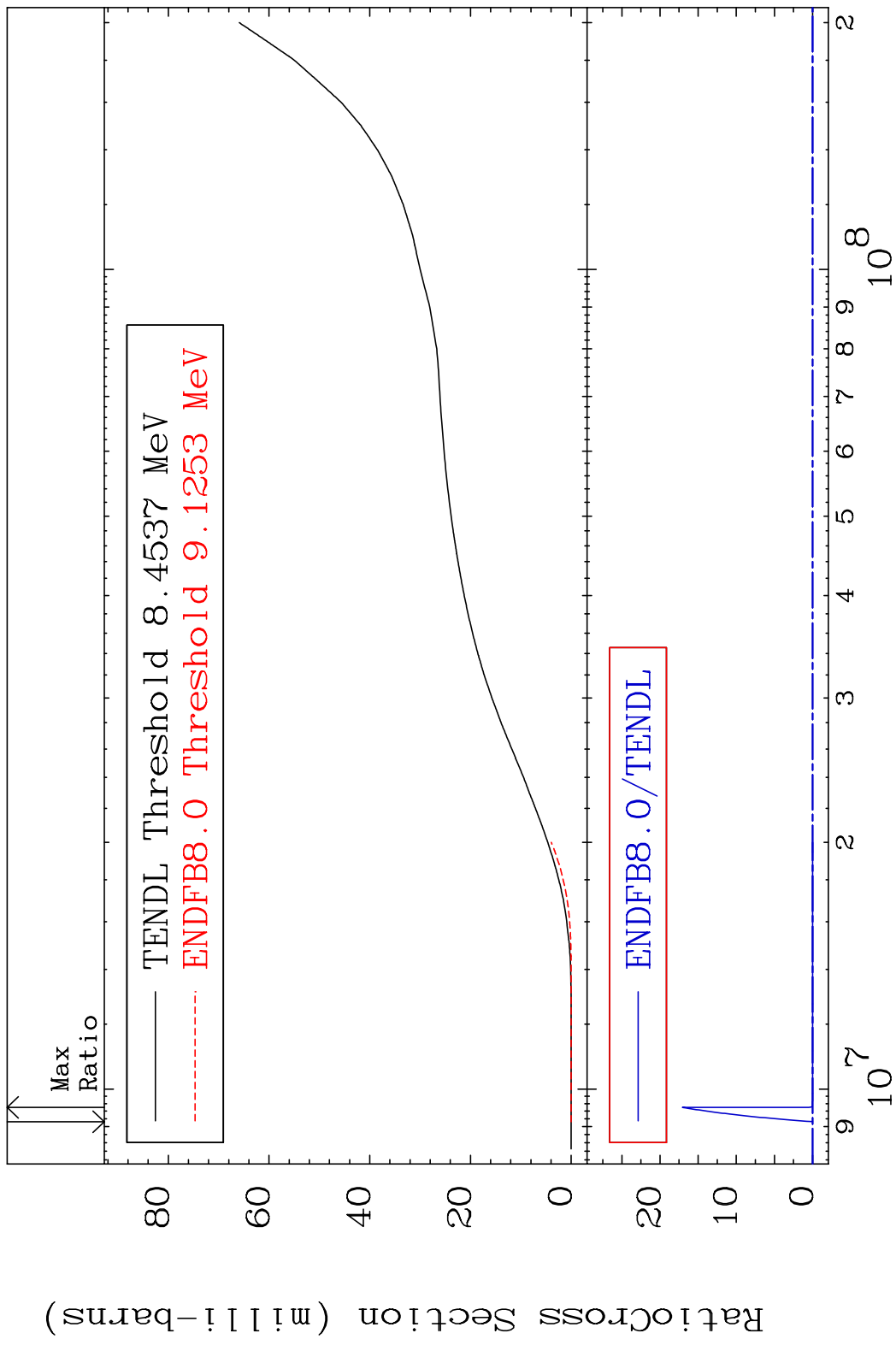
Incident Energy (eV)

³⁵Br-79

MAT 3525 Deuterium Production 35-Br-79
 Cross Section -99.55 To 6296. %



MAT 3525 Tritium Production 35-Br-79
 Cross Section -100.0 To 9999. %



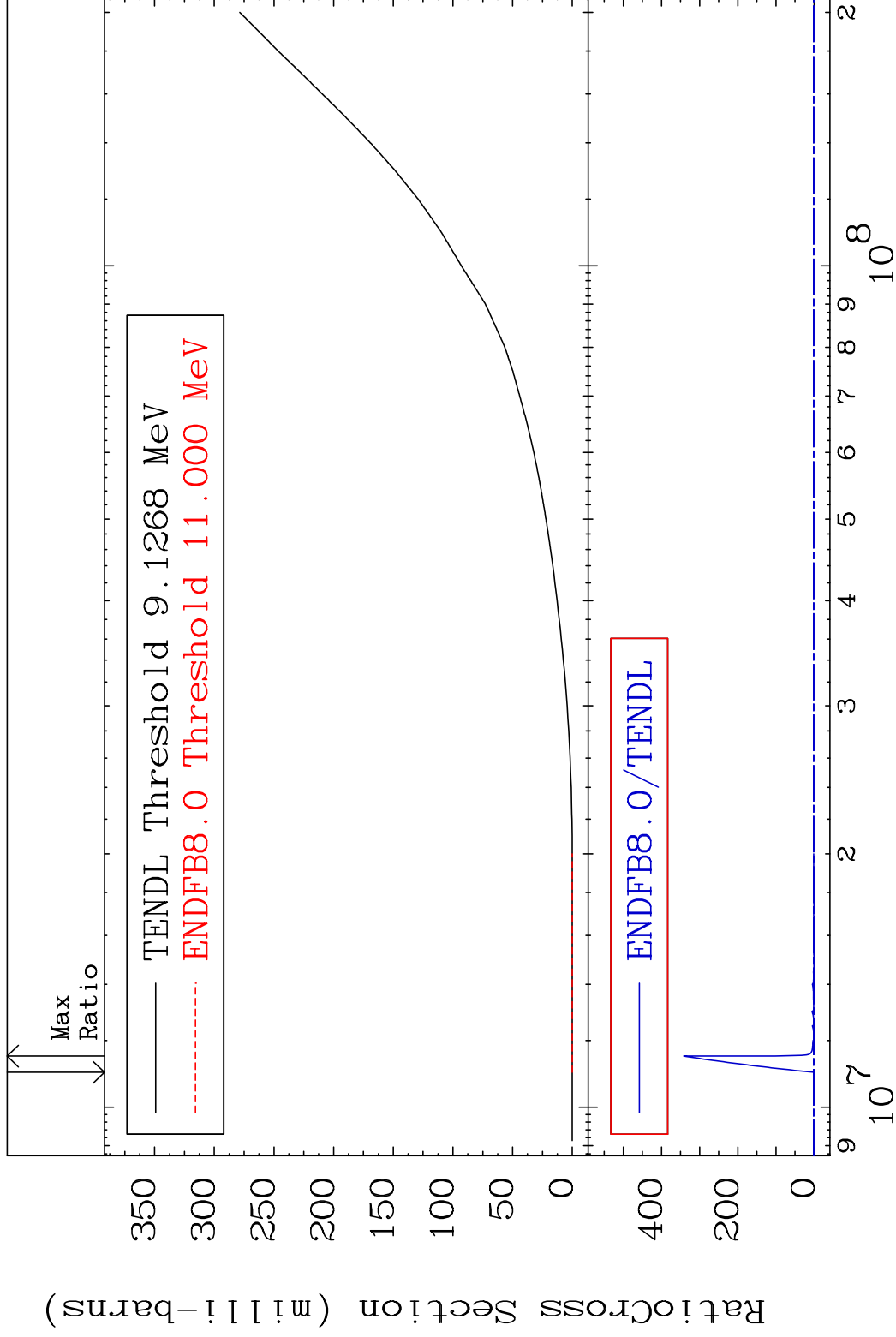
35 Incident Energy (eV) 35-Br-79

MAT 3525

He-3 Production

35-Br-79

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

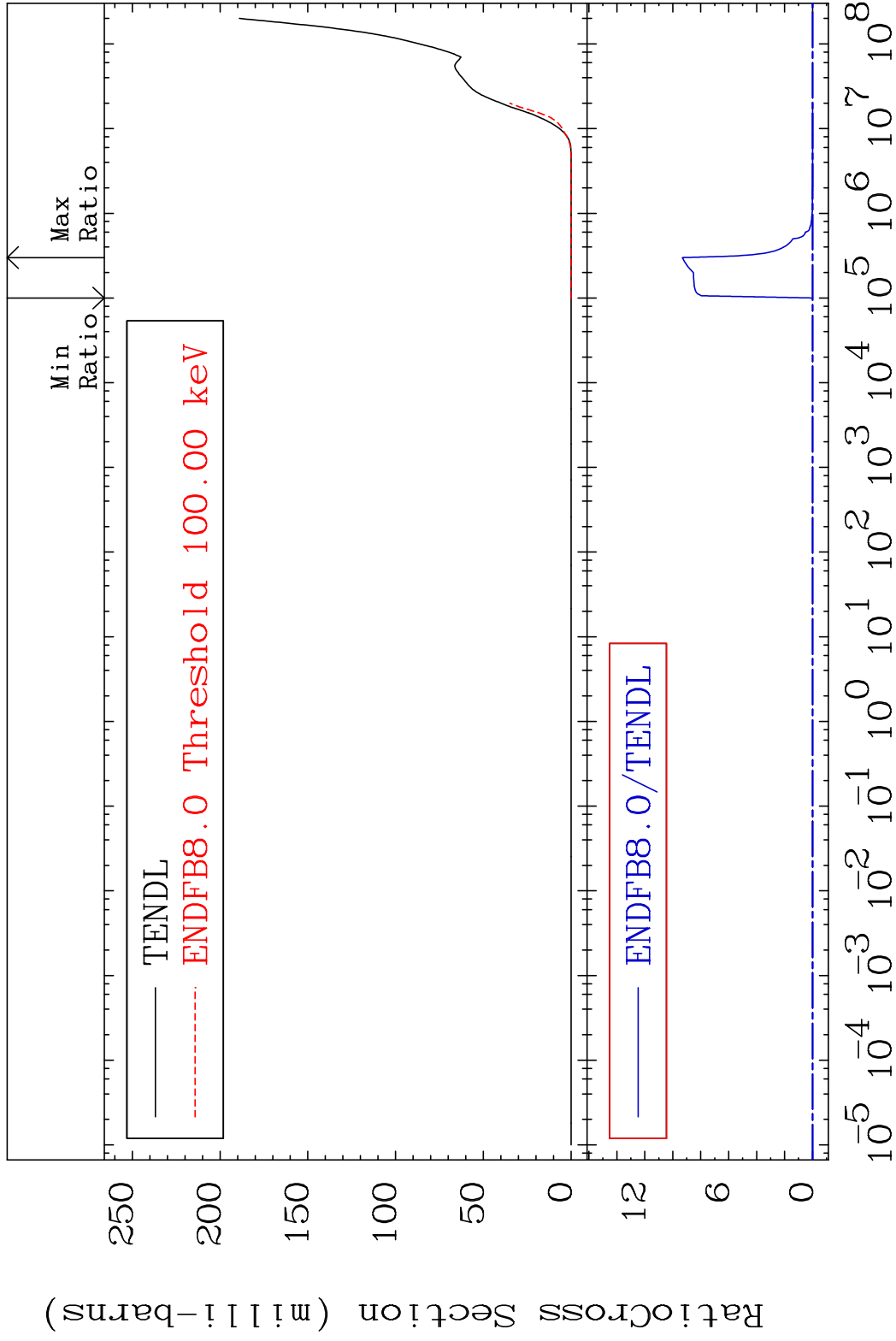
35-Br-79

MAT 3525

He-4 Production

35-Br-79

Cross Section -100.0 To 9999. %

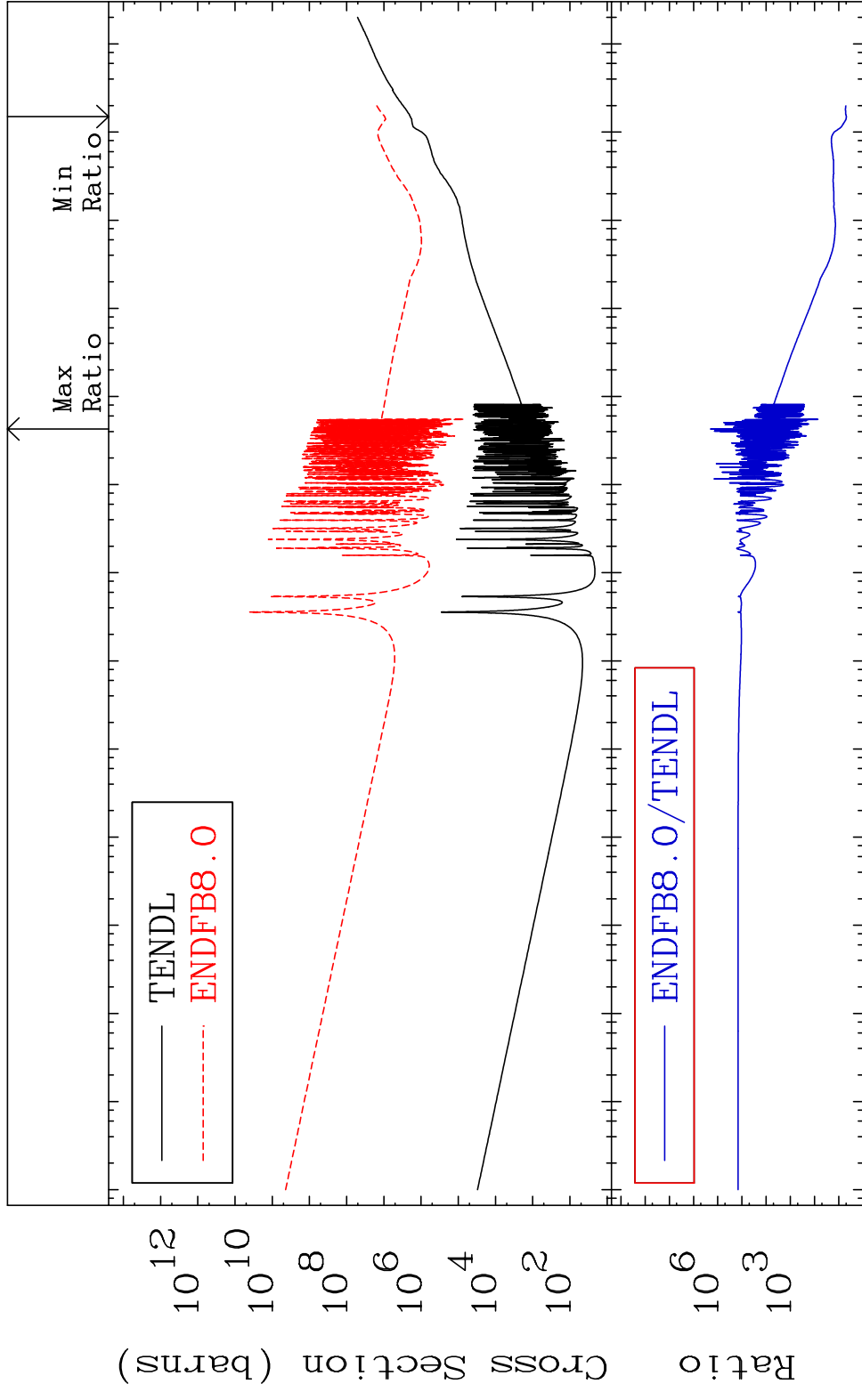


37

Incident Energy (eV)

35-Br-79

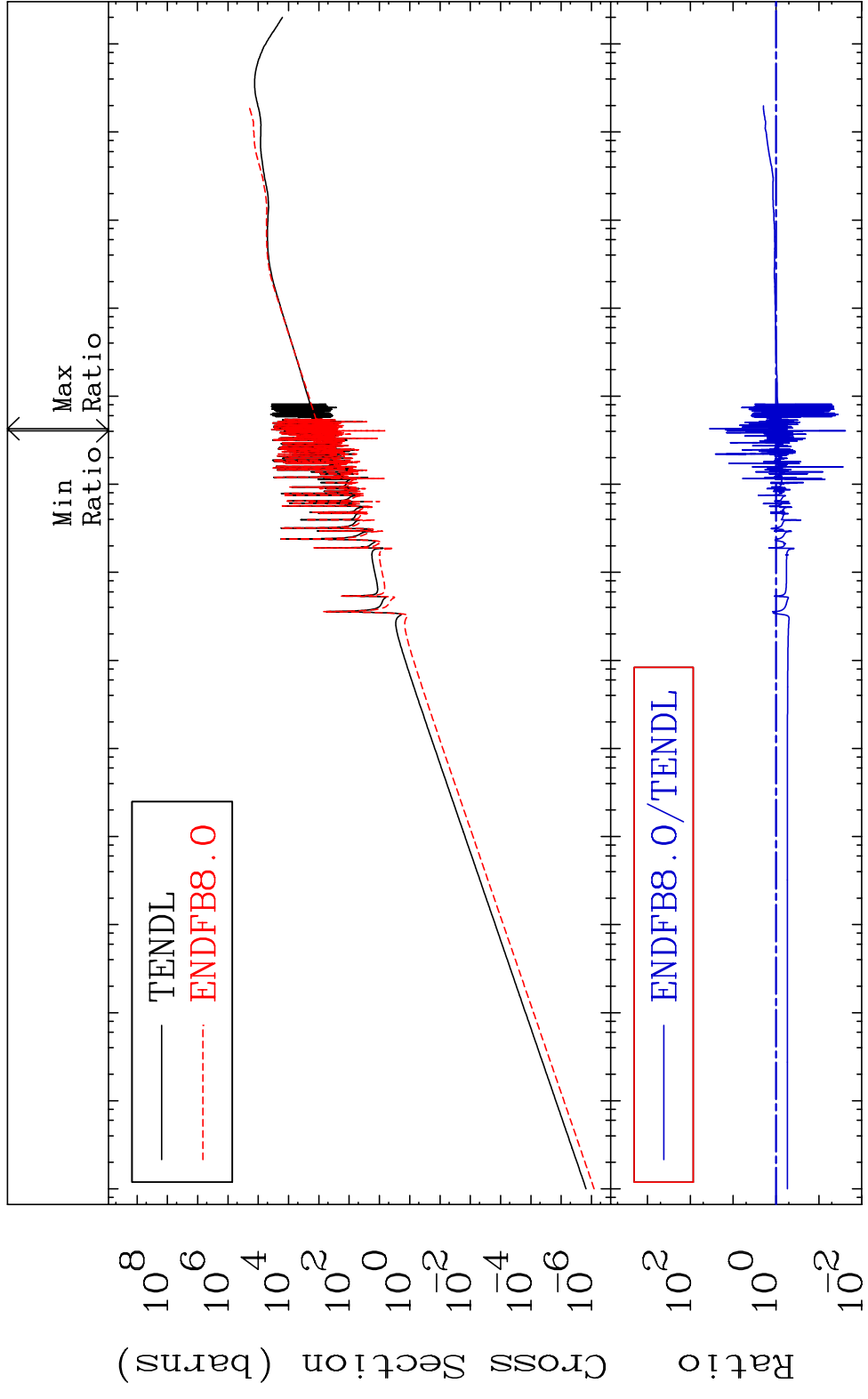
MAT 3525 Kerma total (eV-barns) 35-Br-79
 Cross Section 386.5 To 9999. %



MAT 3525

Kerma elastic
Cross Section -97.58 To 3413. %

35-Br-79

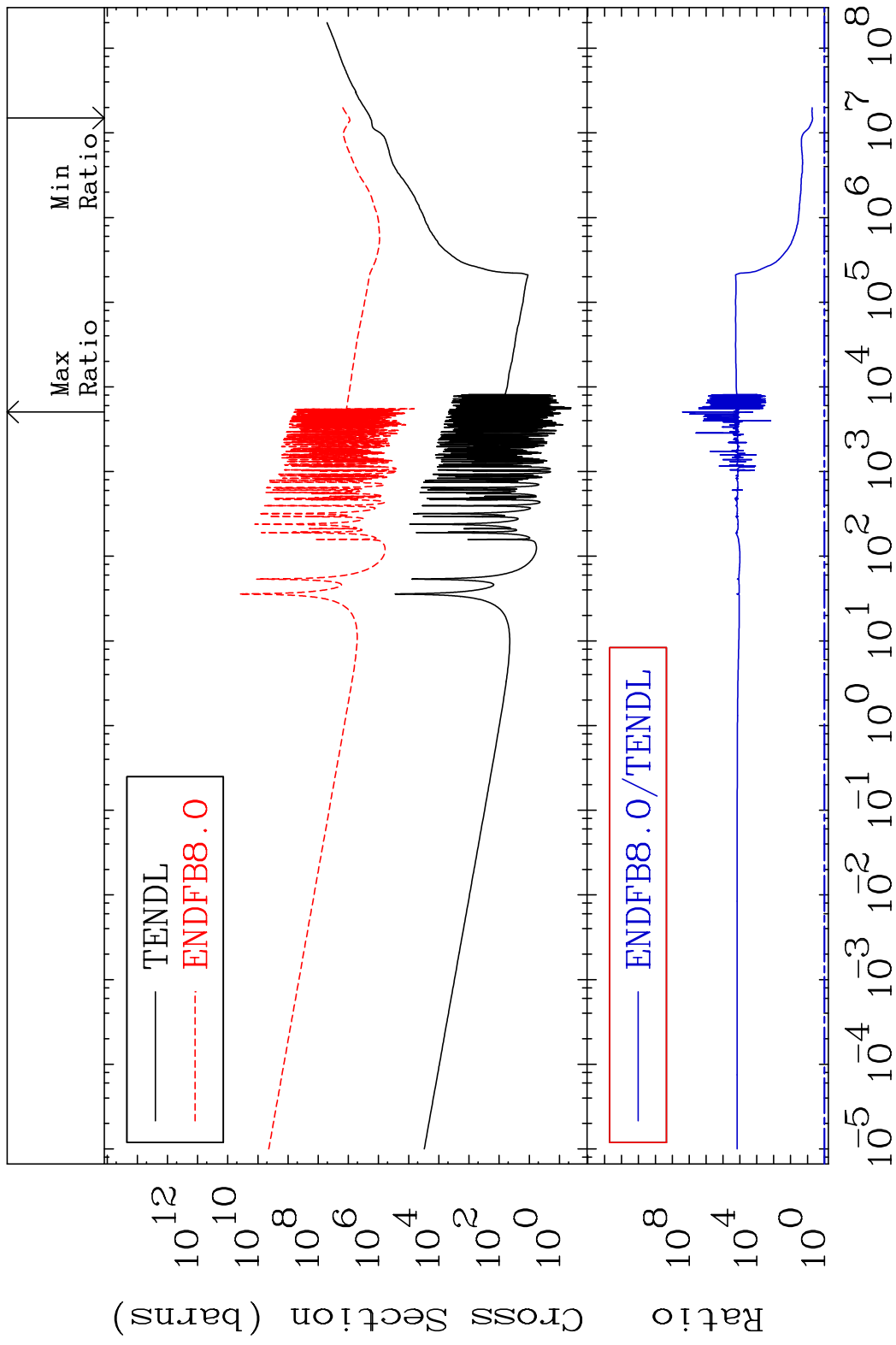


39

Incident Energy (eV)

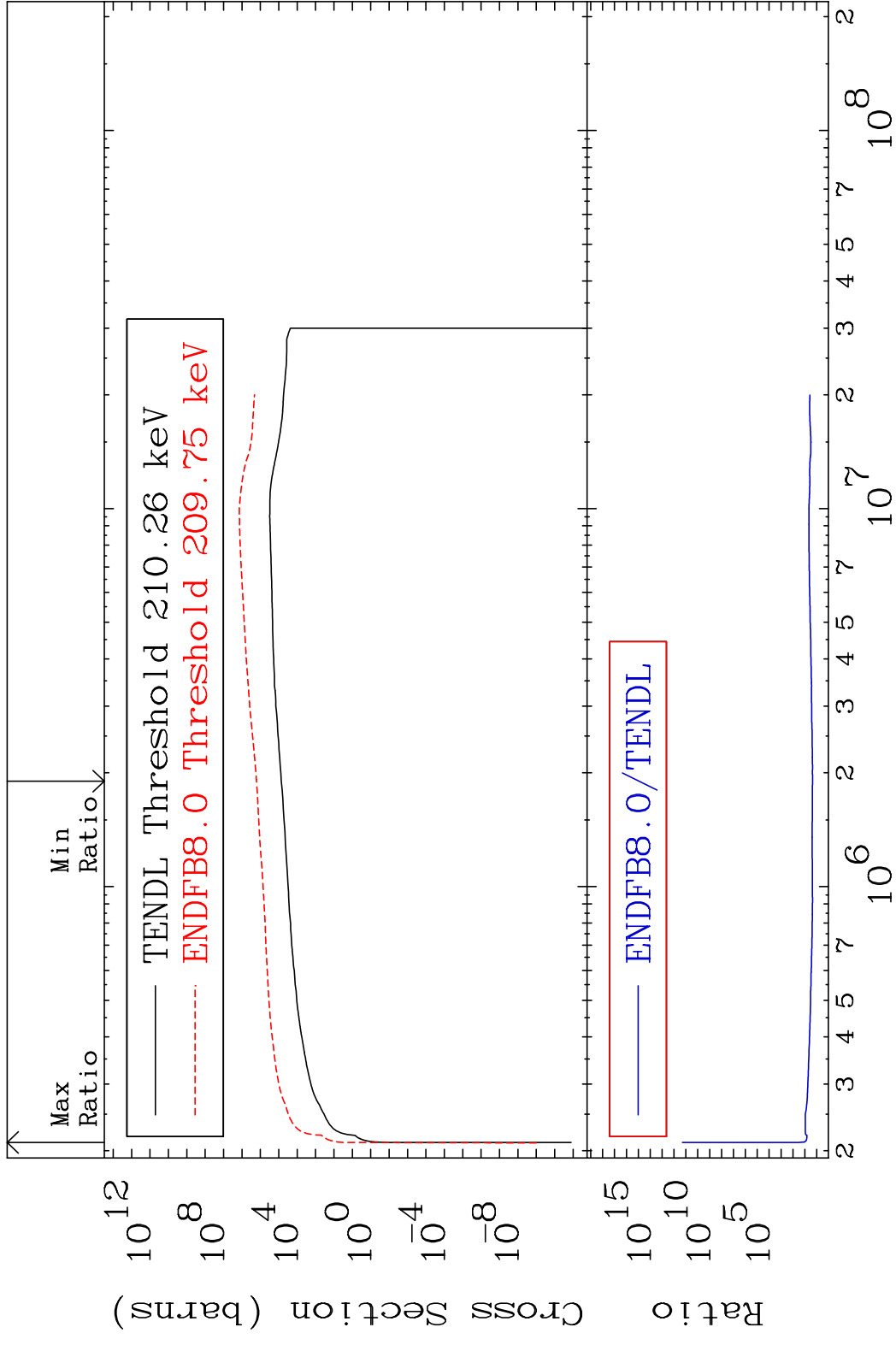
35-Br-79

MAT 3525 Kerma non-elastic (all but mt2) 35-Br-79
 Cross Section 400.5 To 9999. %

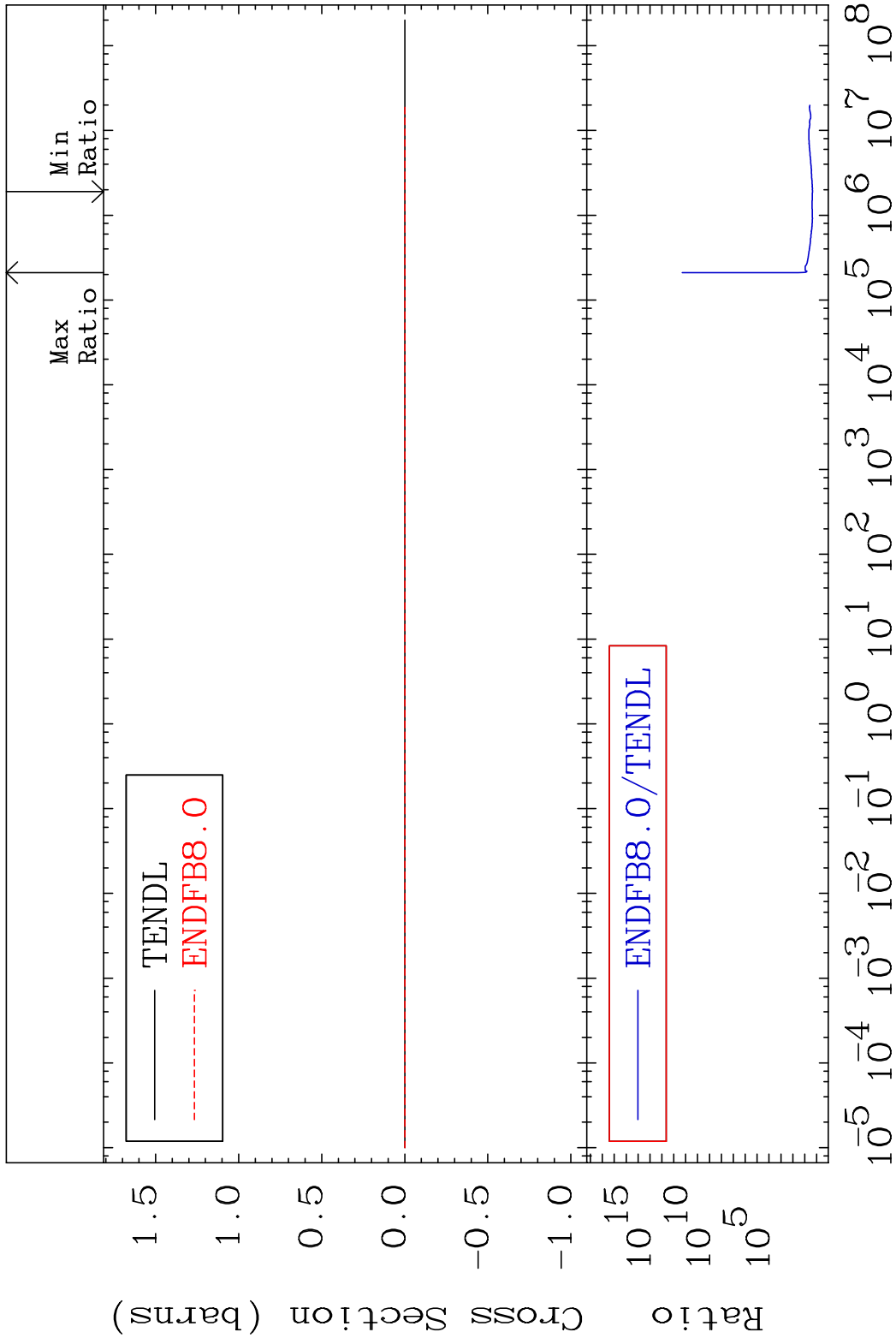


40 Incident Energy (eV) 35-Br-79

MAT 3525 Kerma inelastic (mt51-91) 35-Br-79
 Cross Section 2137. To 9999. %

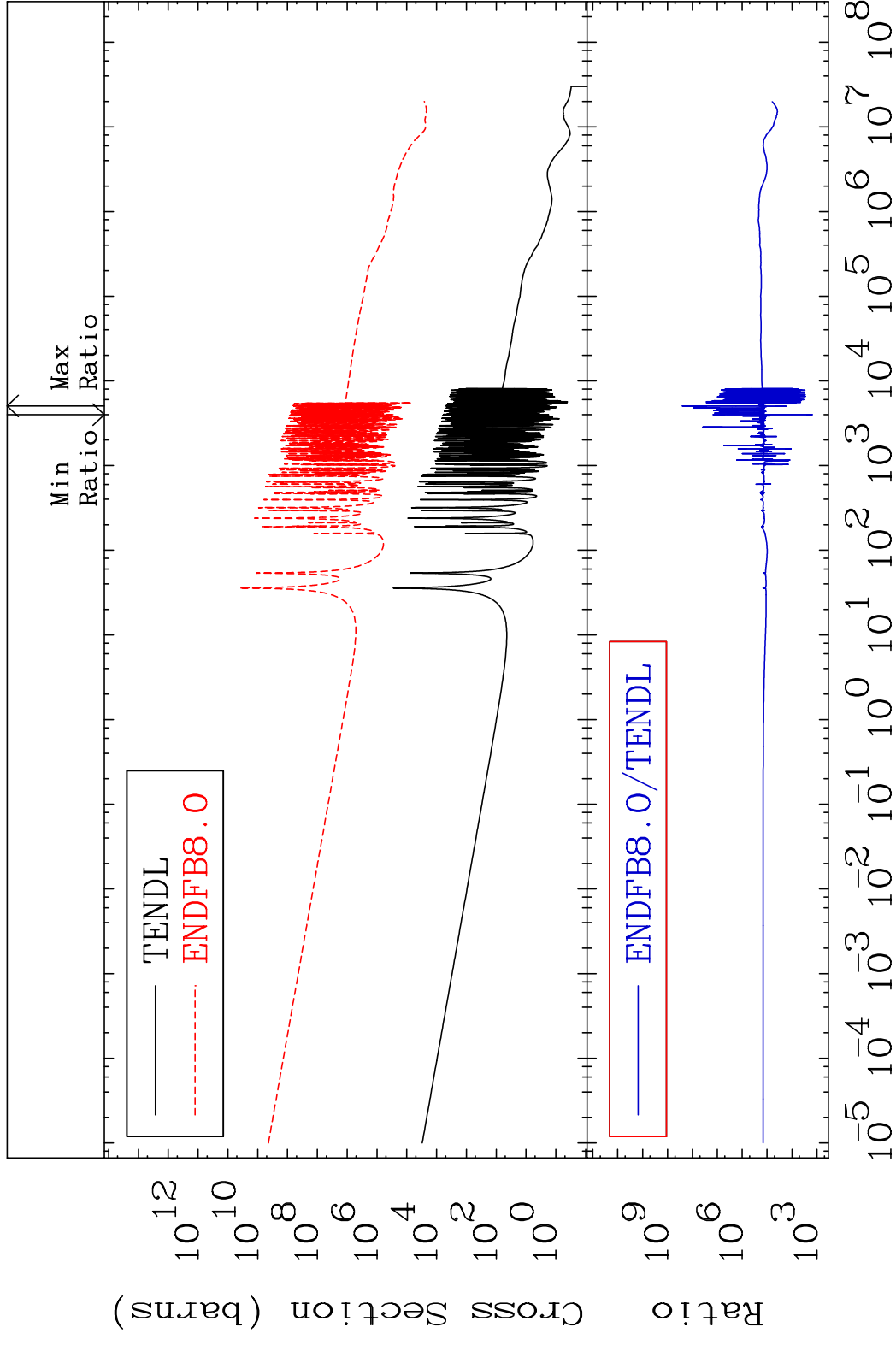


MAT 3525 Kerma fission (mt18 or mt19-20-21-38) 35-Br-79
 Cross Section 2137. To 9999. %



MAT 3525

Kerma capture (mt102) 35-Br-79
Cross Section 9999. To 9999. %

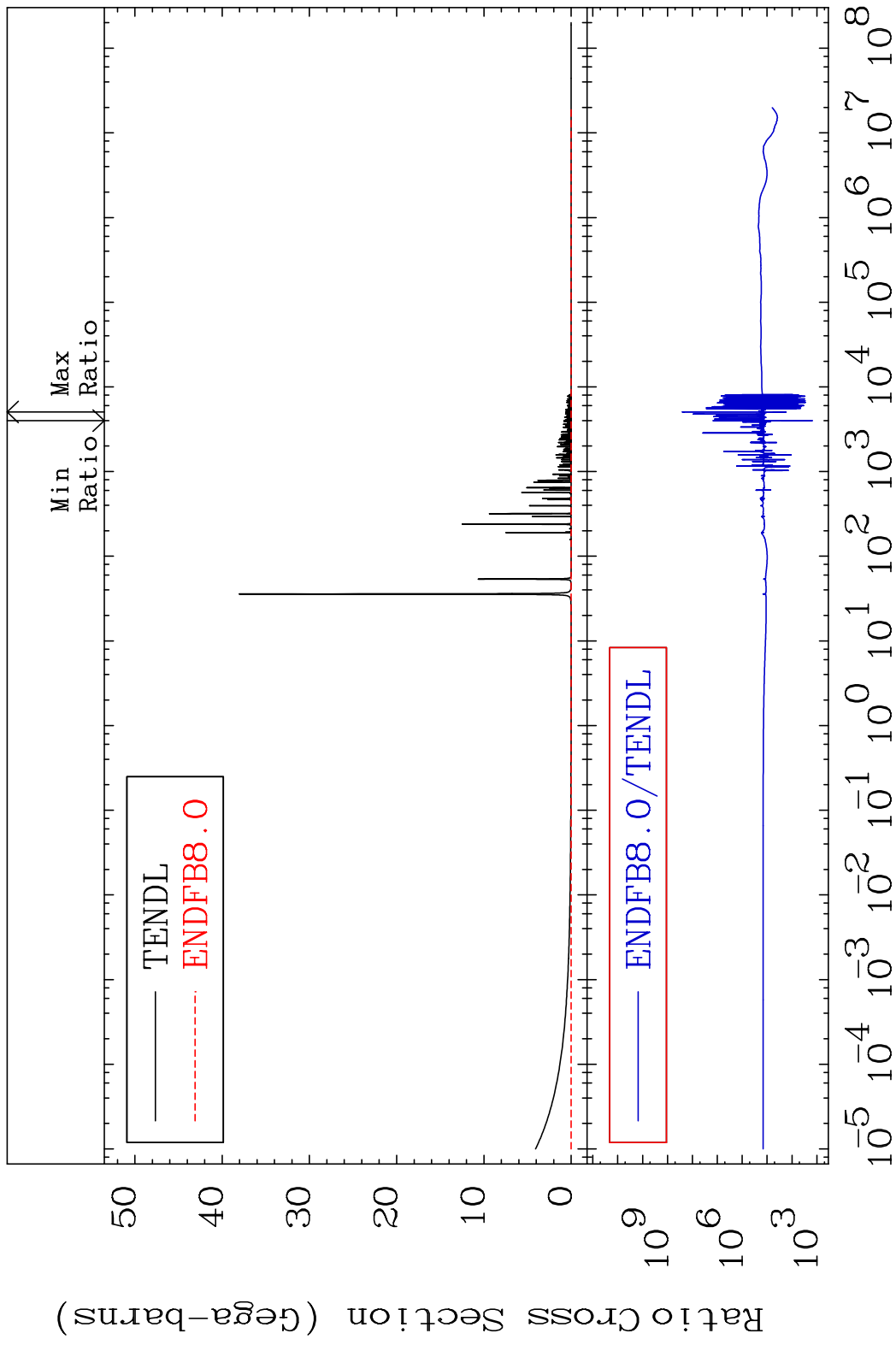


43

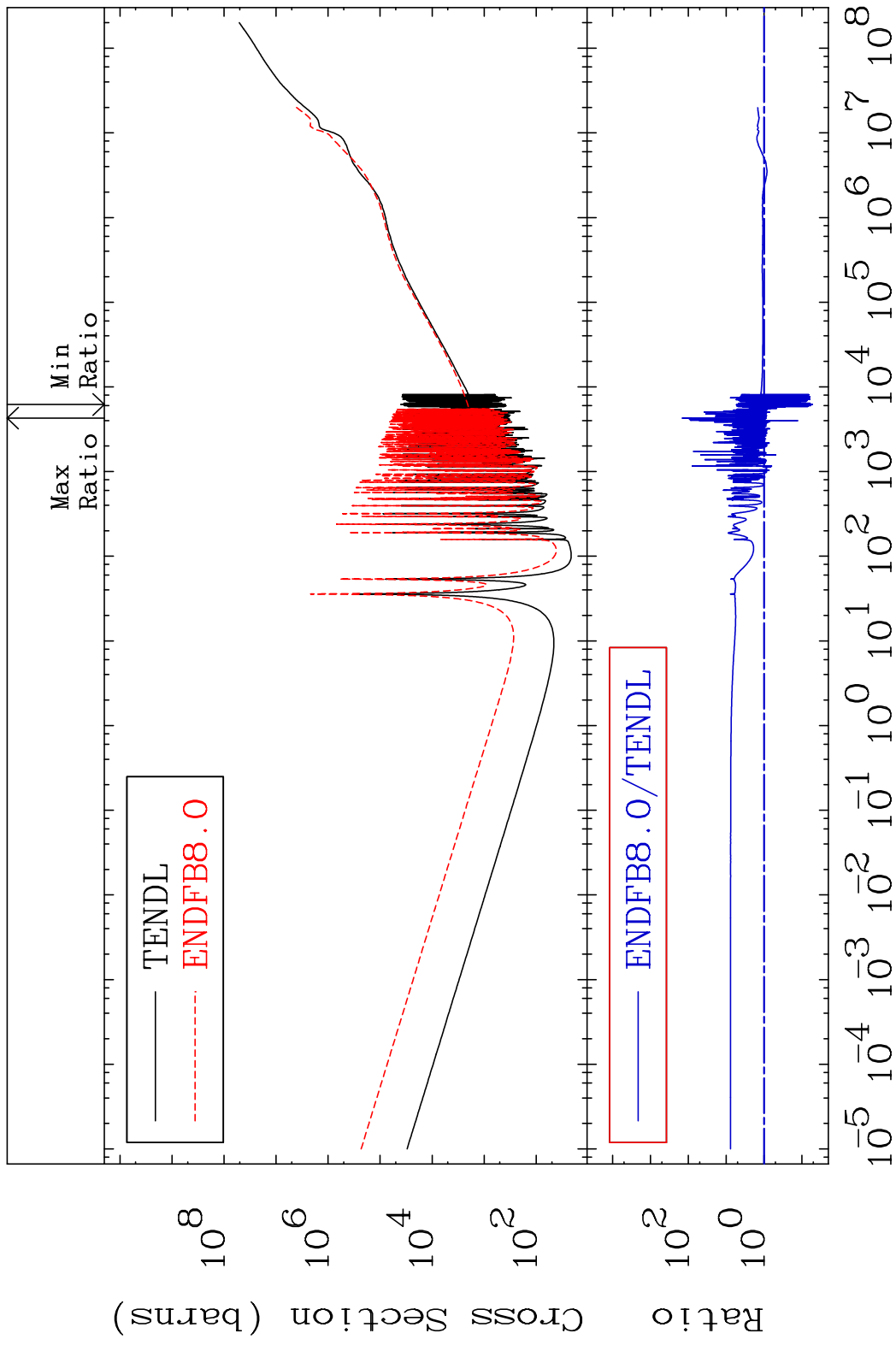
Incident Energy (eV)

35-Br-79

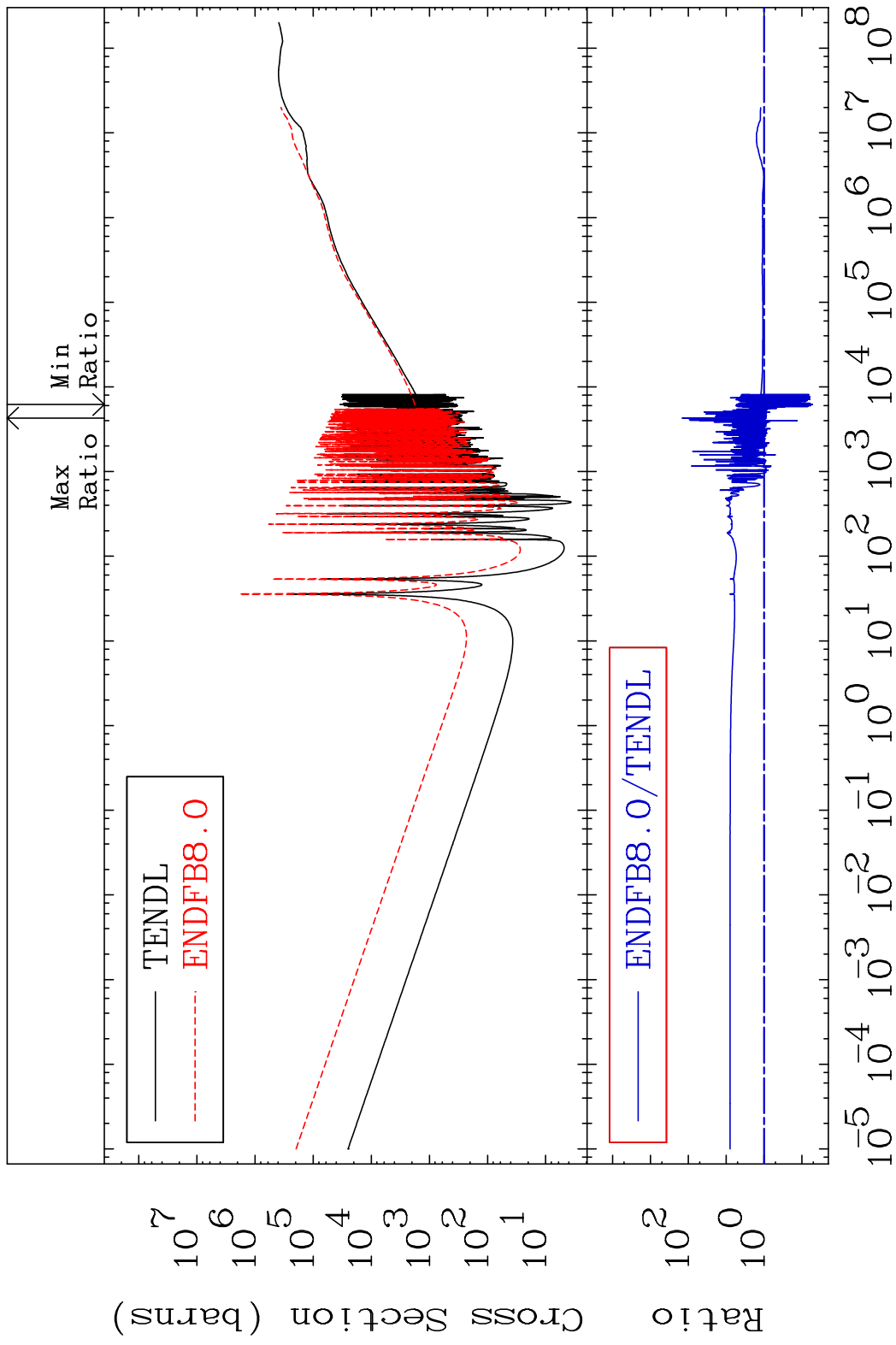
MAT 3525 Total photon (eV-barns) 35-Br-79
 Cross Section 9999. To 9999. %



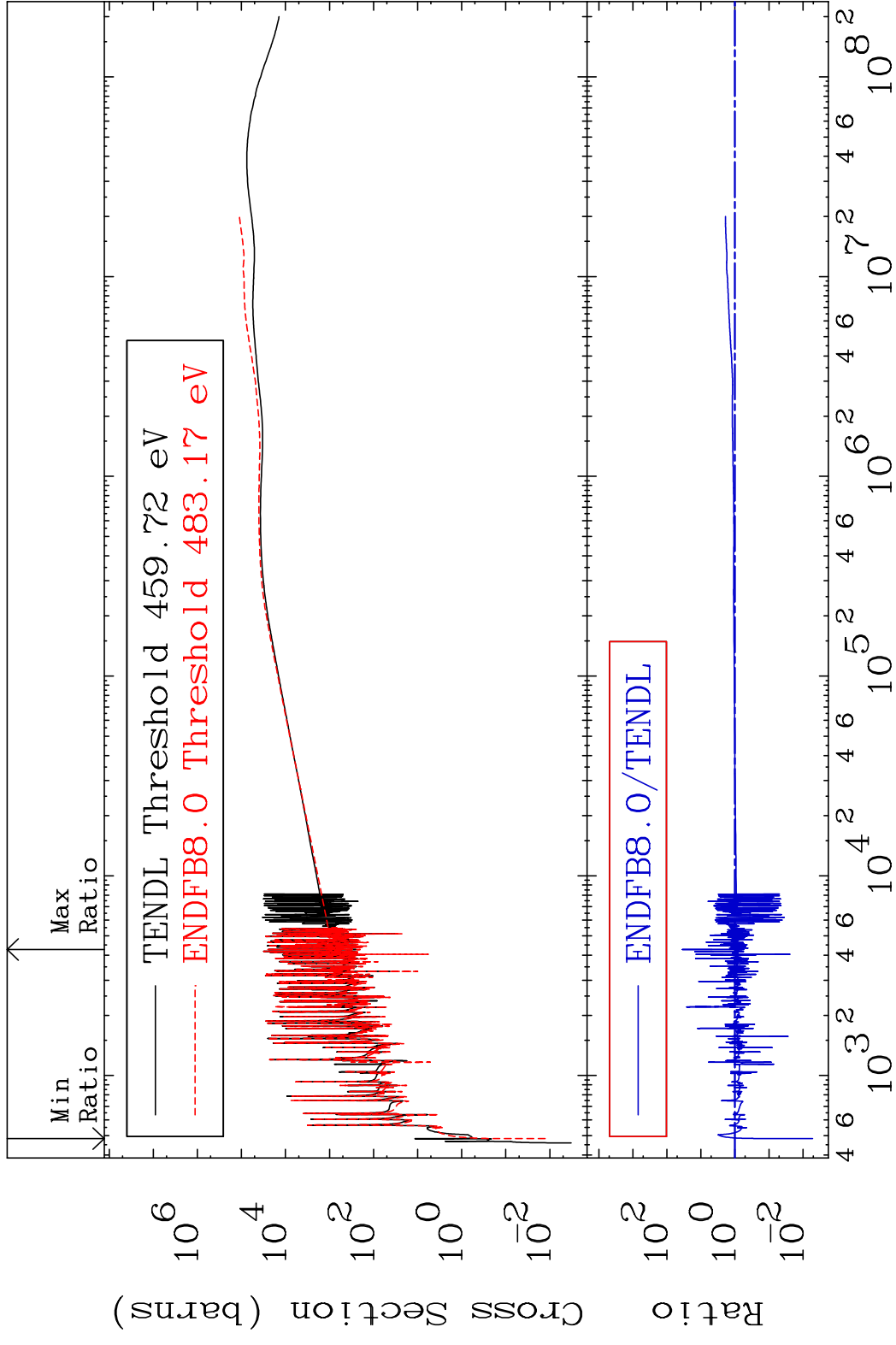
MAT 3525 Total kinematic kerma (high limit) 35-Br-79
 Cross Section -94.77 To 9999. %



MAT 3525 Dpa total (eV-barns) 35-Br-79
 Cross Section -94.79 To 9999. %



MAT 3525 Dpa elastic (mt2) 35-Br-79
 Cross Section -99.48 To 3410. %

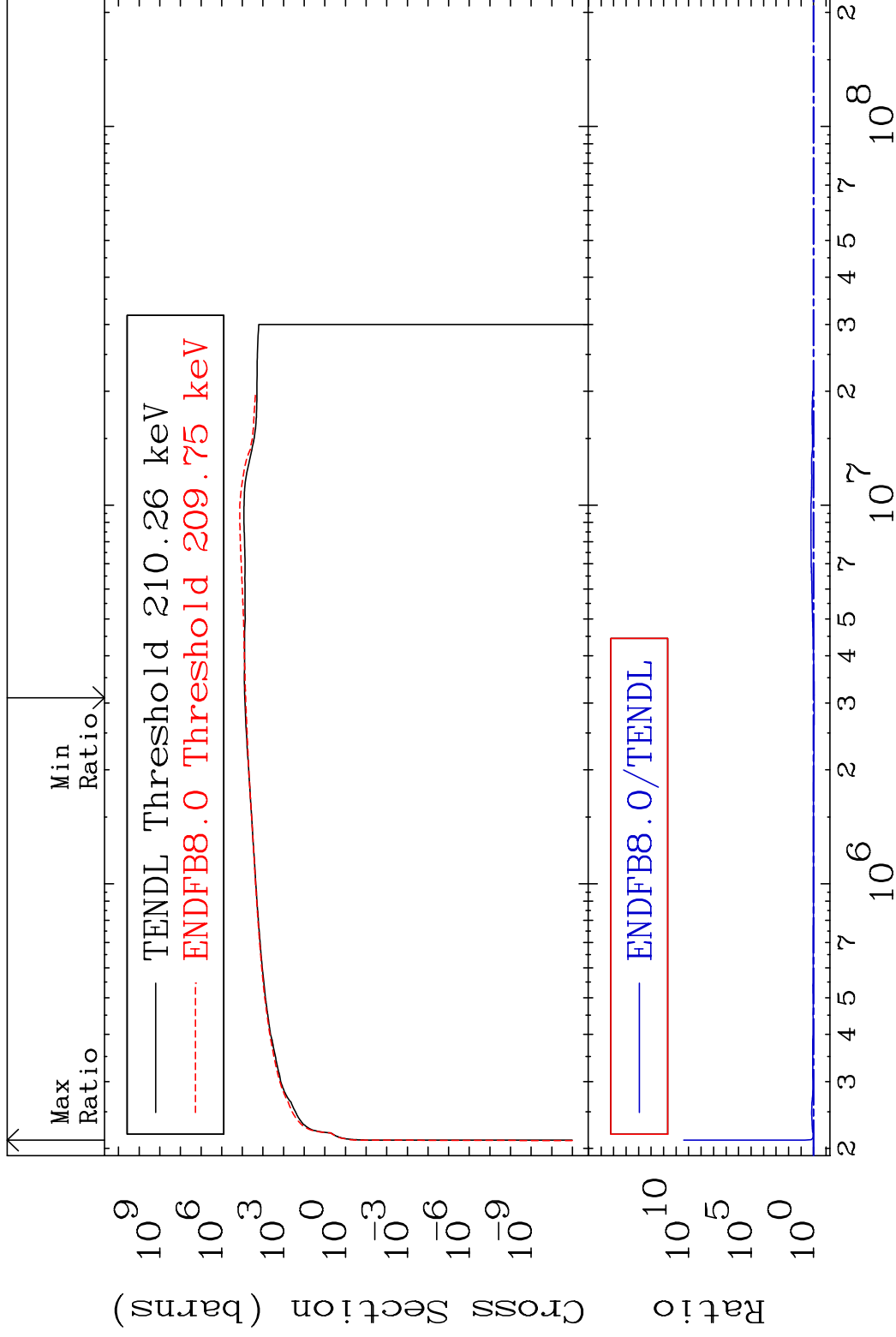


MAT 3525

Dpa inelastic (mt51-91)

35-Br-79

Cross Section -9.268 To 9999. %



48

Incident Energy (eV)

35-Br-79

MAT 3525 Dpa disappearance (mt102 -120) 35-Br-79
 Cross Section -90.95 To 9999. %

