

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

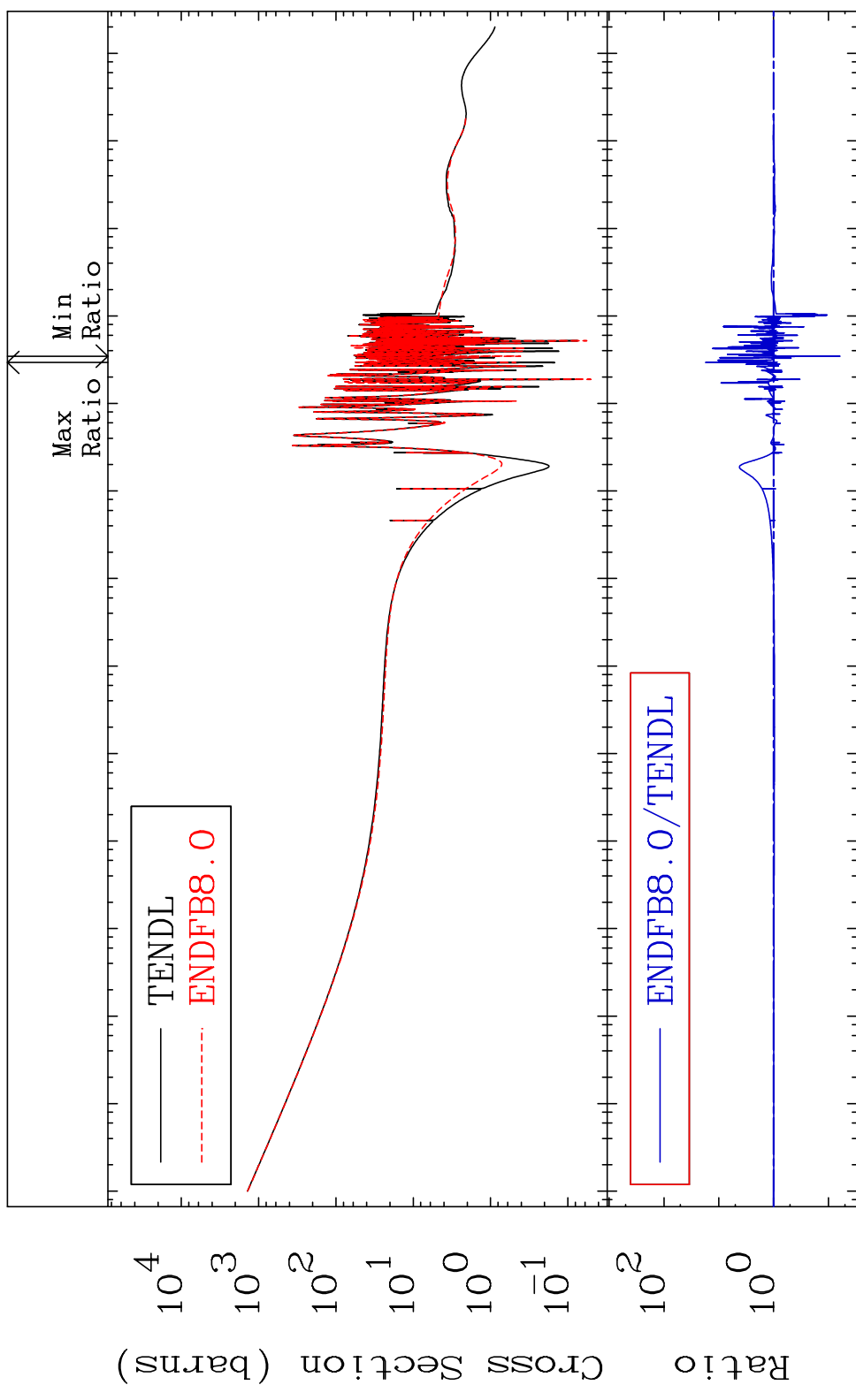
MAT 2125

Total

21-Sc-45

Cross Section

-93.97 To 1626. %



1

Incident Energy (eV)

21-Sc-45

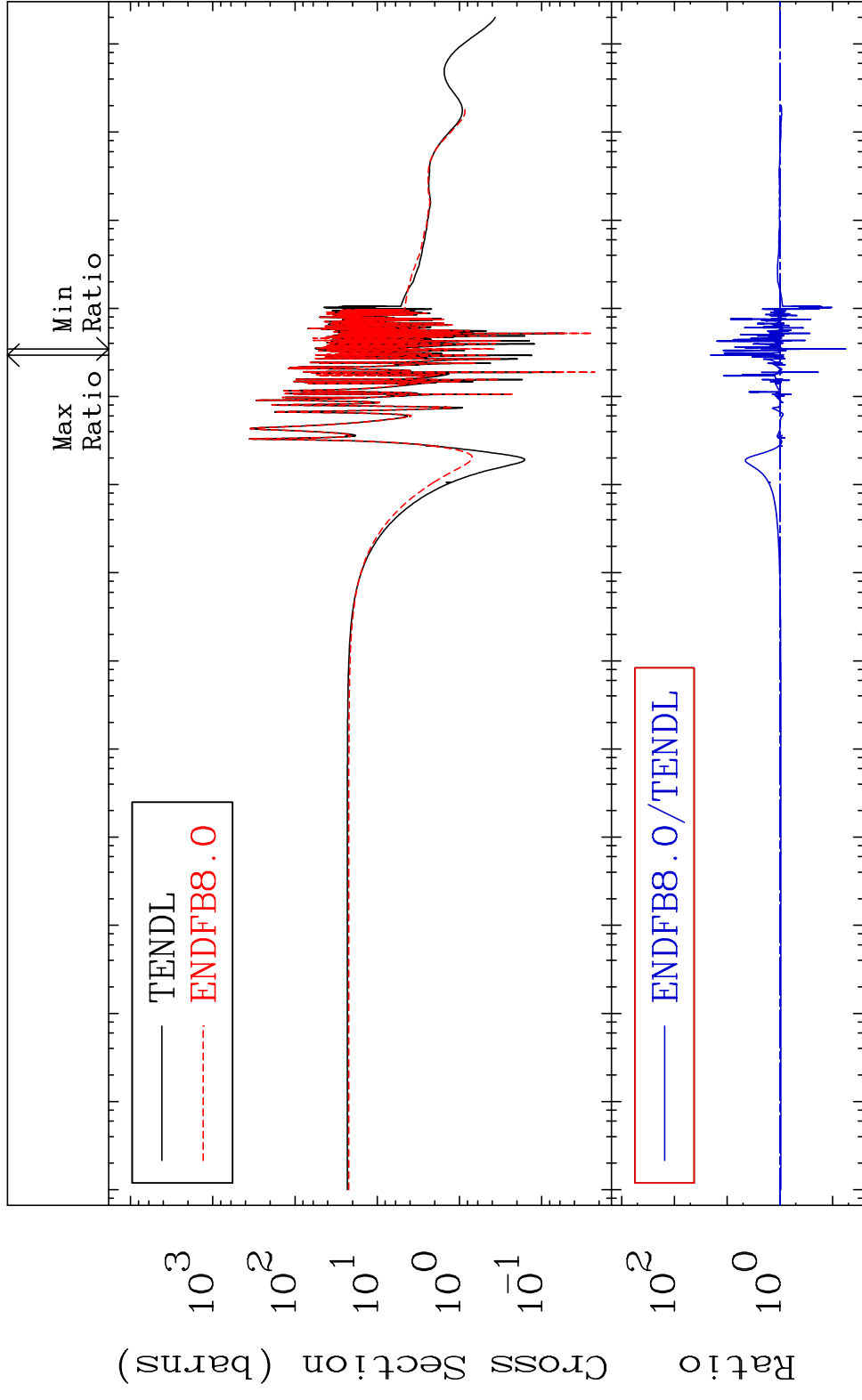
MAT 2125

Elastic

21-Sc-45

Cross Section

-94.48 To 1946. %



2

Incident Energy (eV)

21-Sc-45

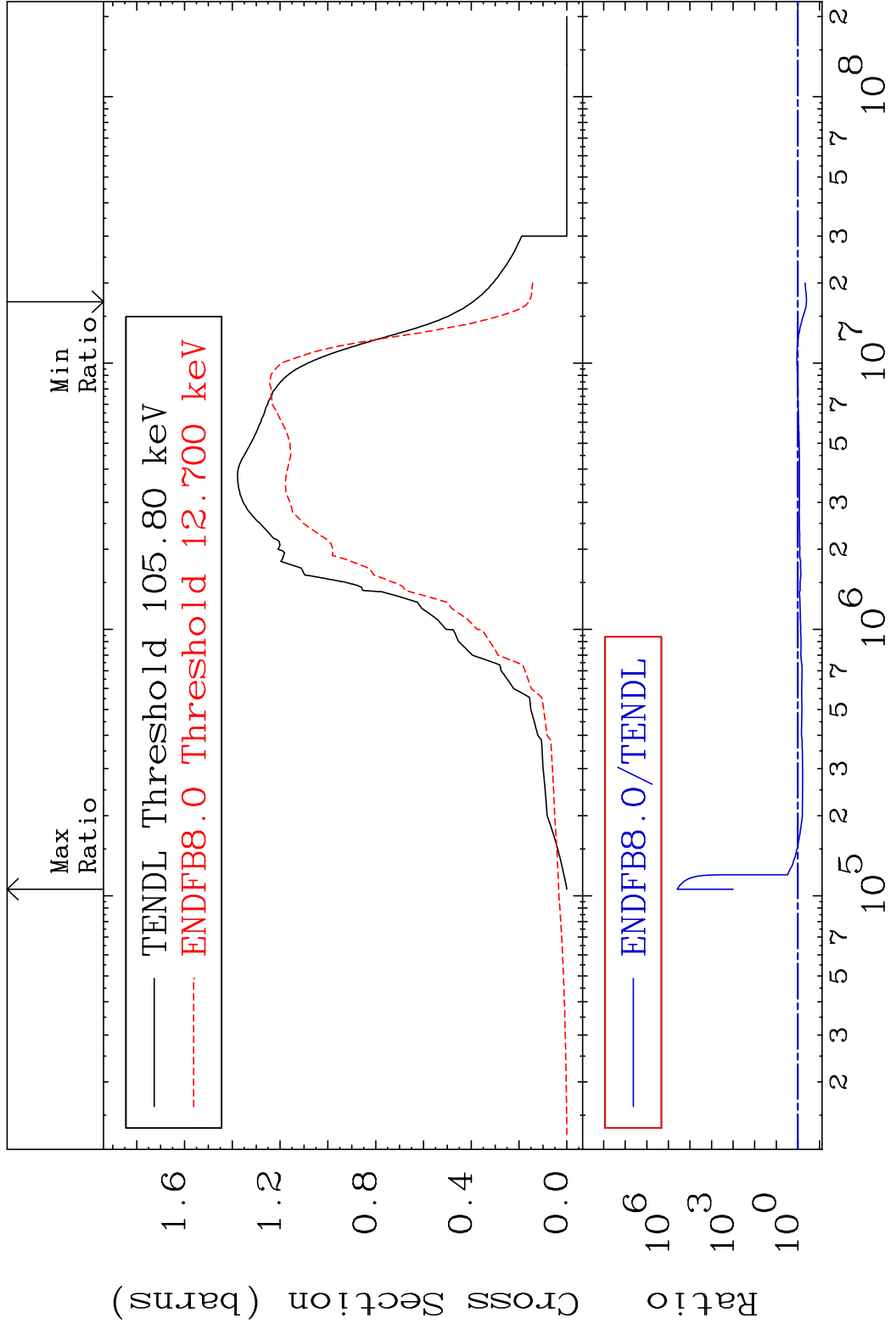
MAT 2125

Inelastic

21-Sc-45

Cross Section

-59.61 To 9999. %

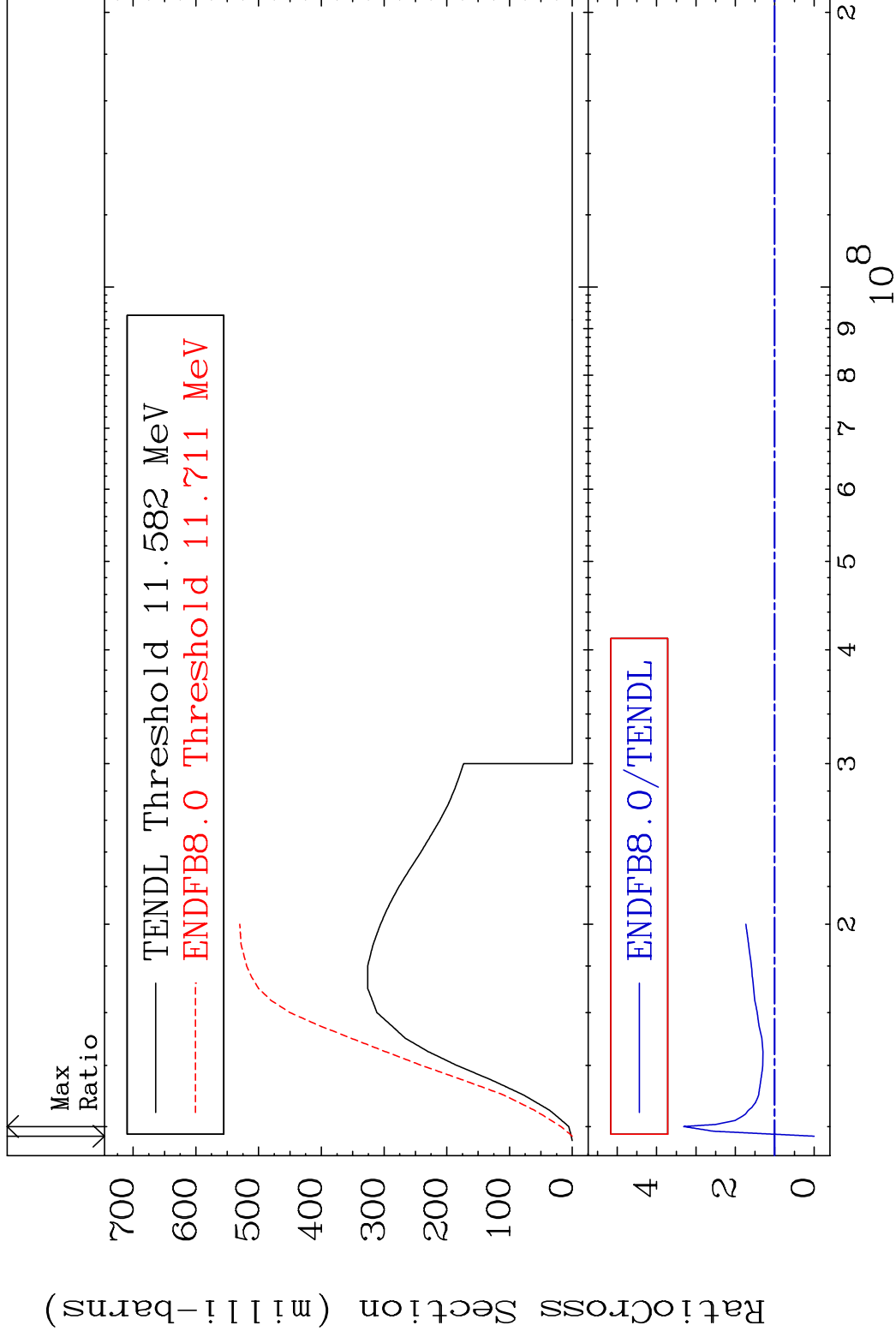


MAT 2125

(n,2n)

21-Sc-45

Cross Section -100.0 To 231.2 %



4

Incident Energy (eV)

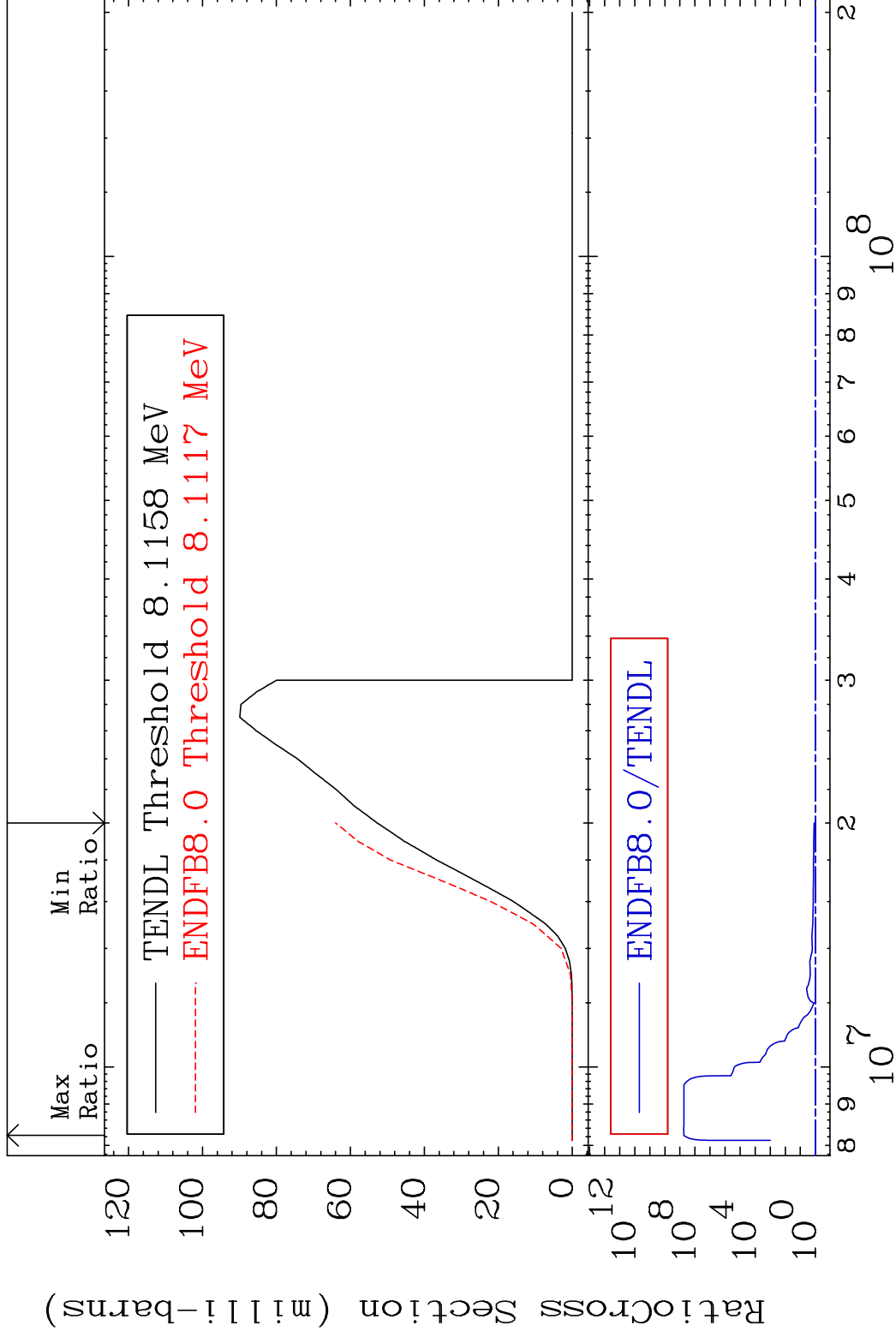
21-Sc-45

MAT 2125

(n, n')  $\alpha$

21-Sc-45

Cross Section 21.26 To 9999. %



5

Incident Energy (eV)

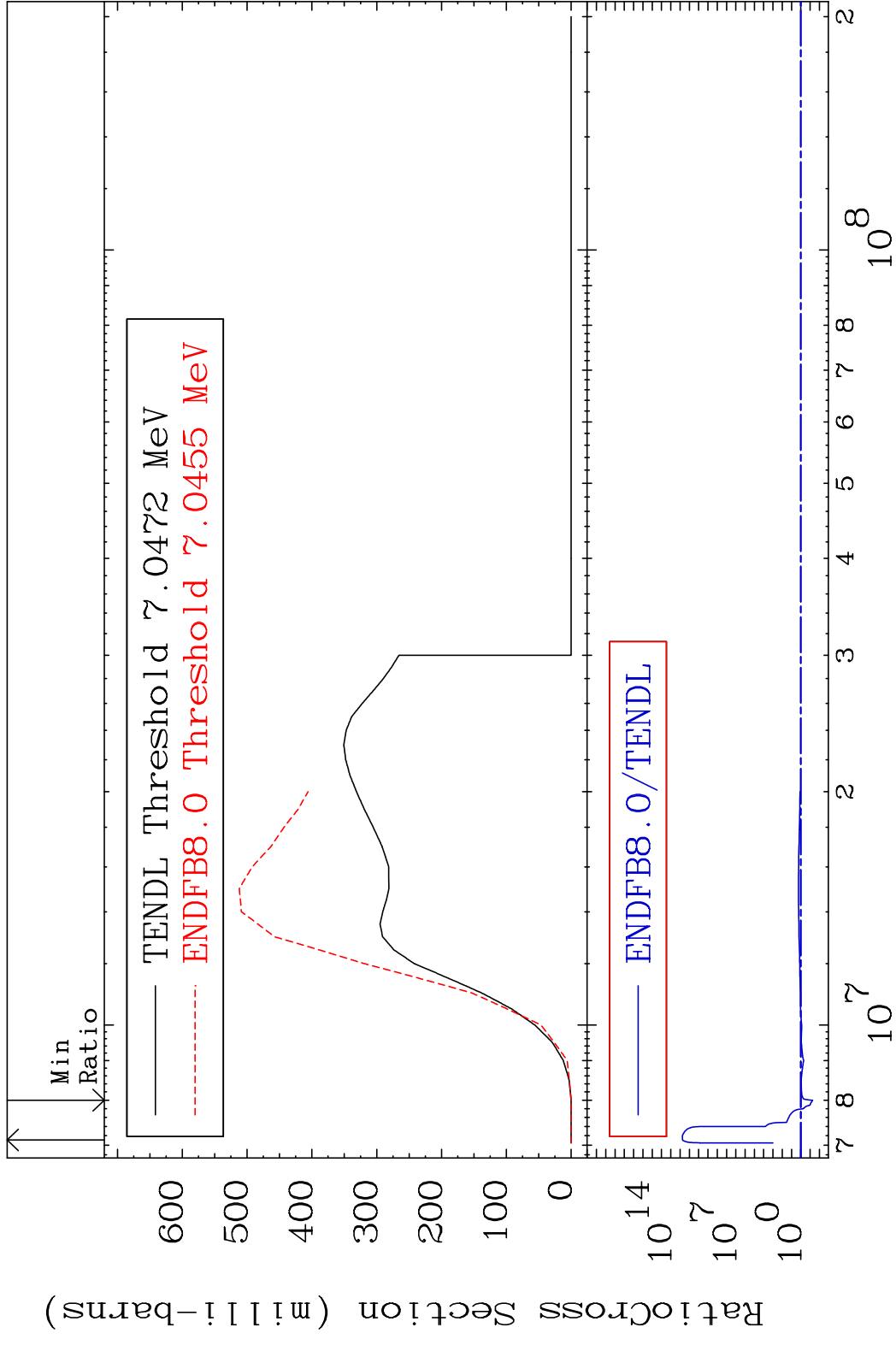
21-Sc-45

MAT 2125

(n, n') p

21-Sc-45

Cross Section -94.49 To 9999. %

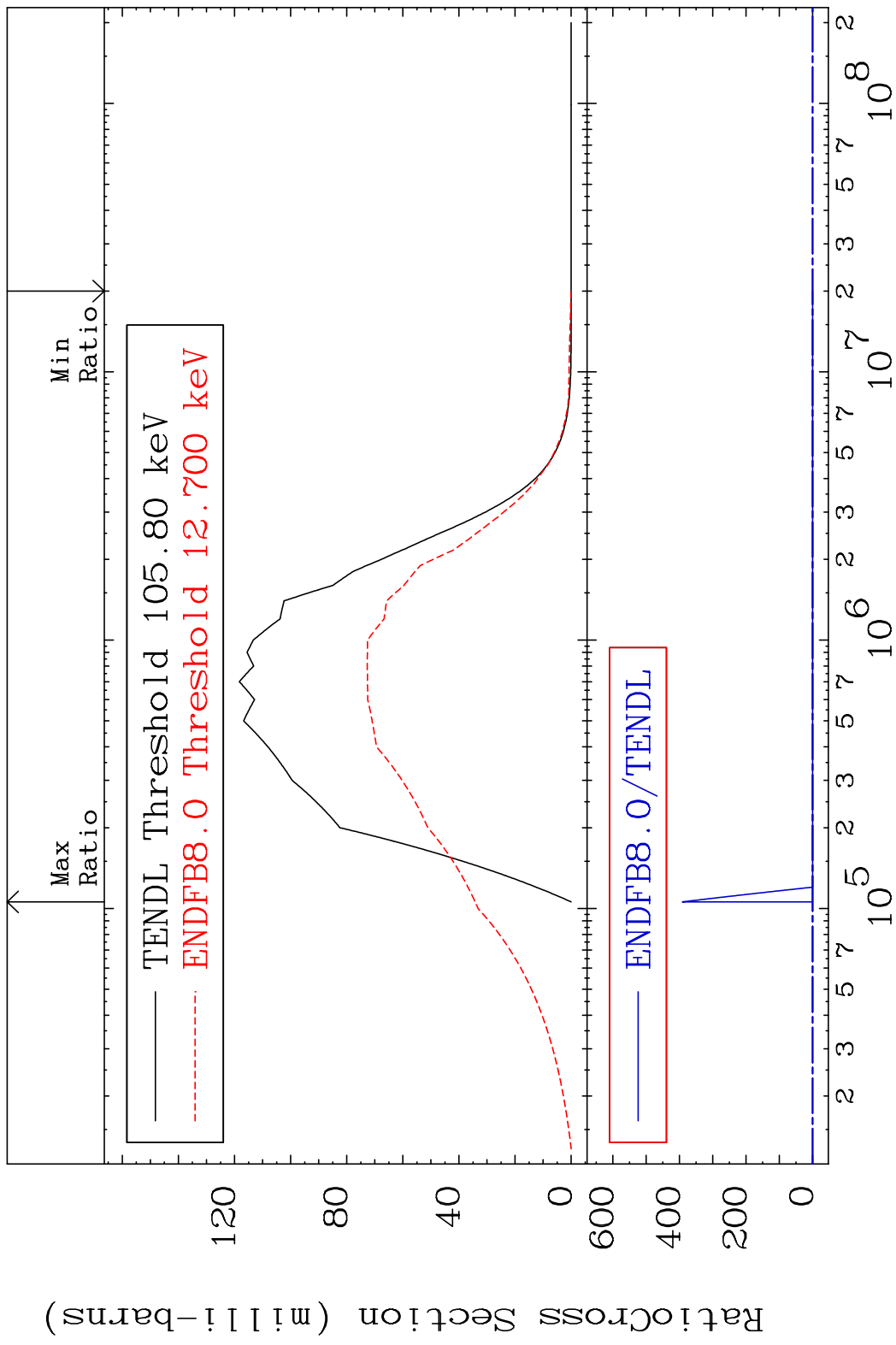


6

Incident Energy (eV)

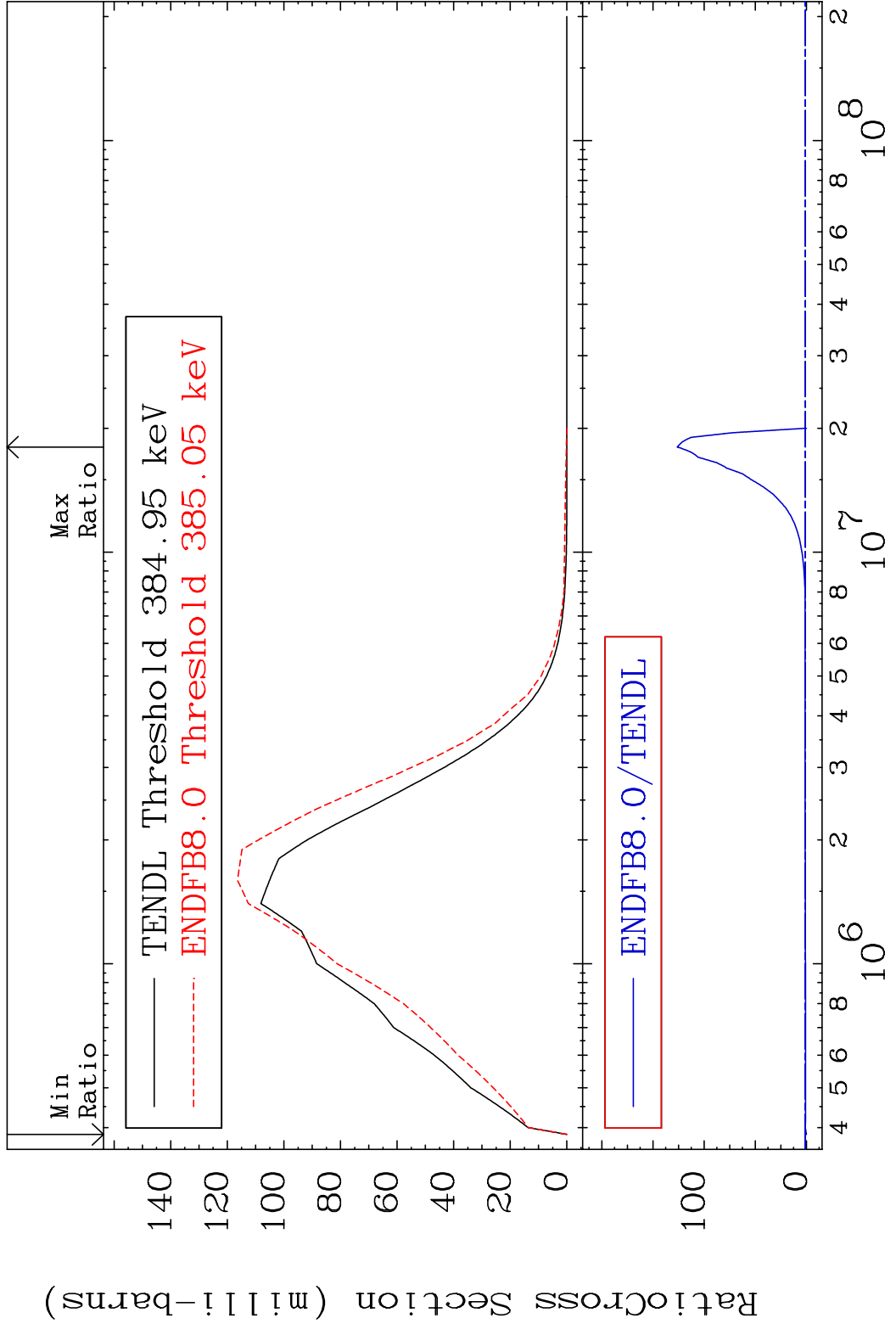
21-Sc-45

MAT 2125 MT= 51 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 9999. %



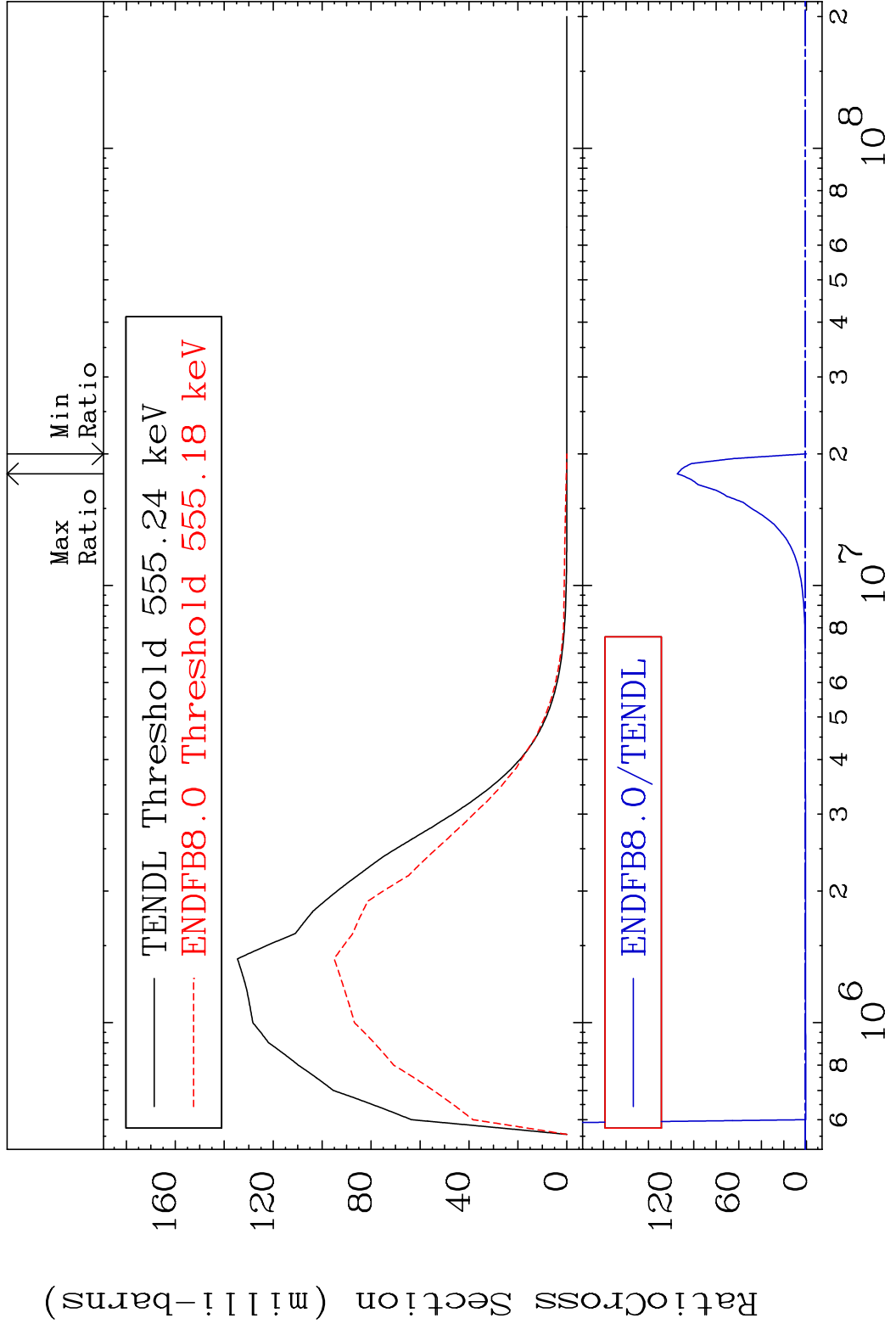


MAT 2125 MT= 52 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 9999. %

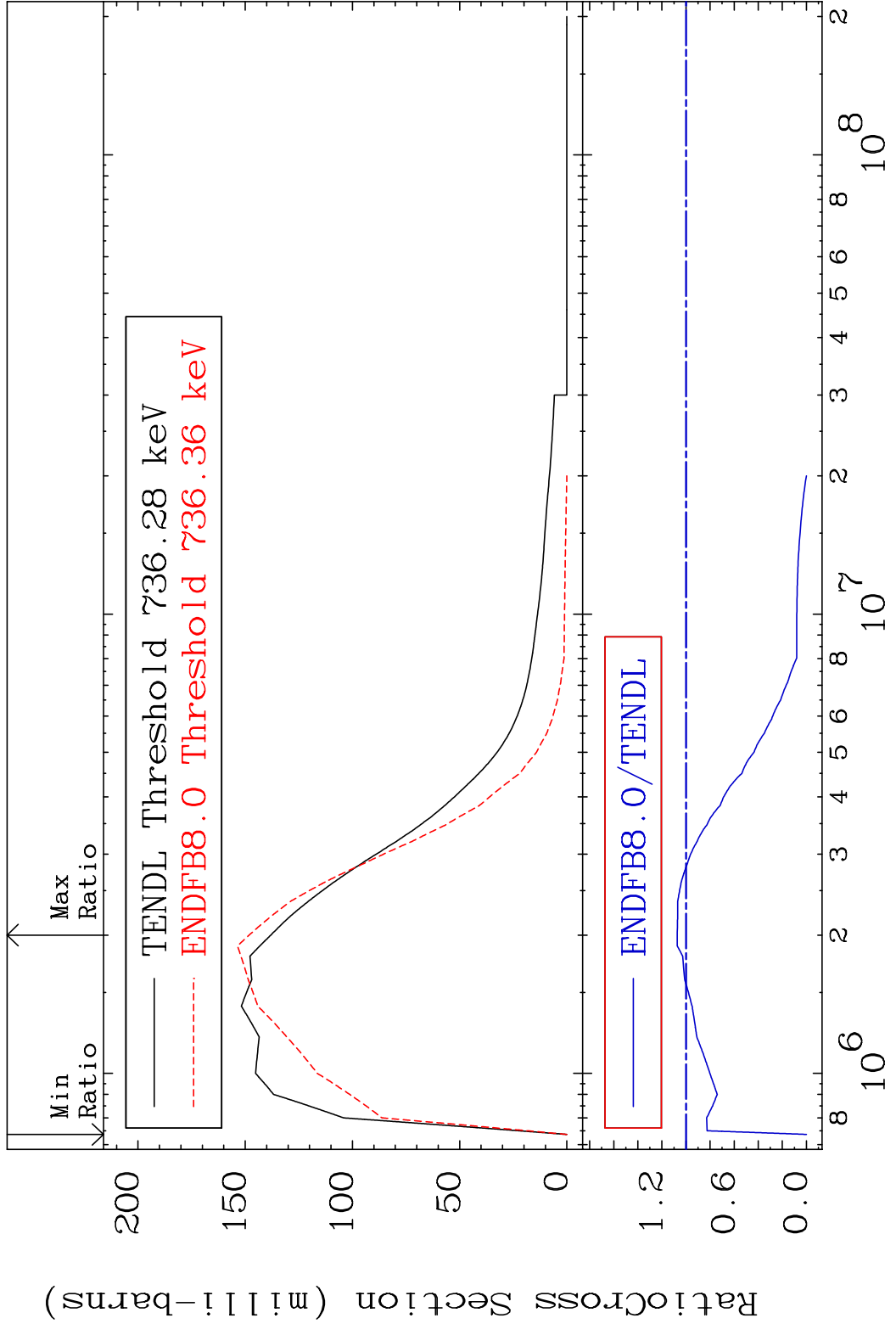


8 8 Incident Energy (eV) 21-Sc-45

MAT 2125 MT= 53 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 9999. %

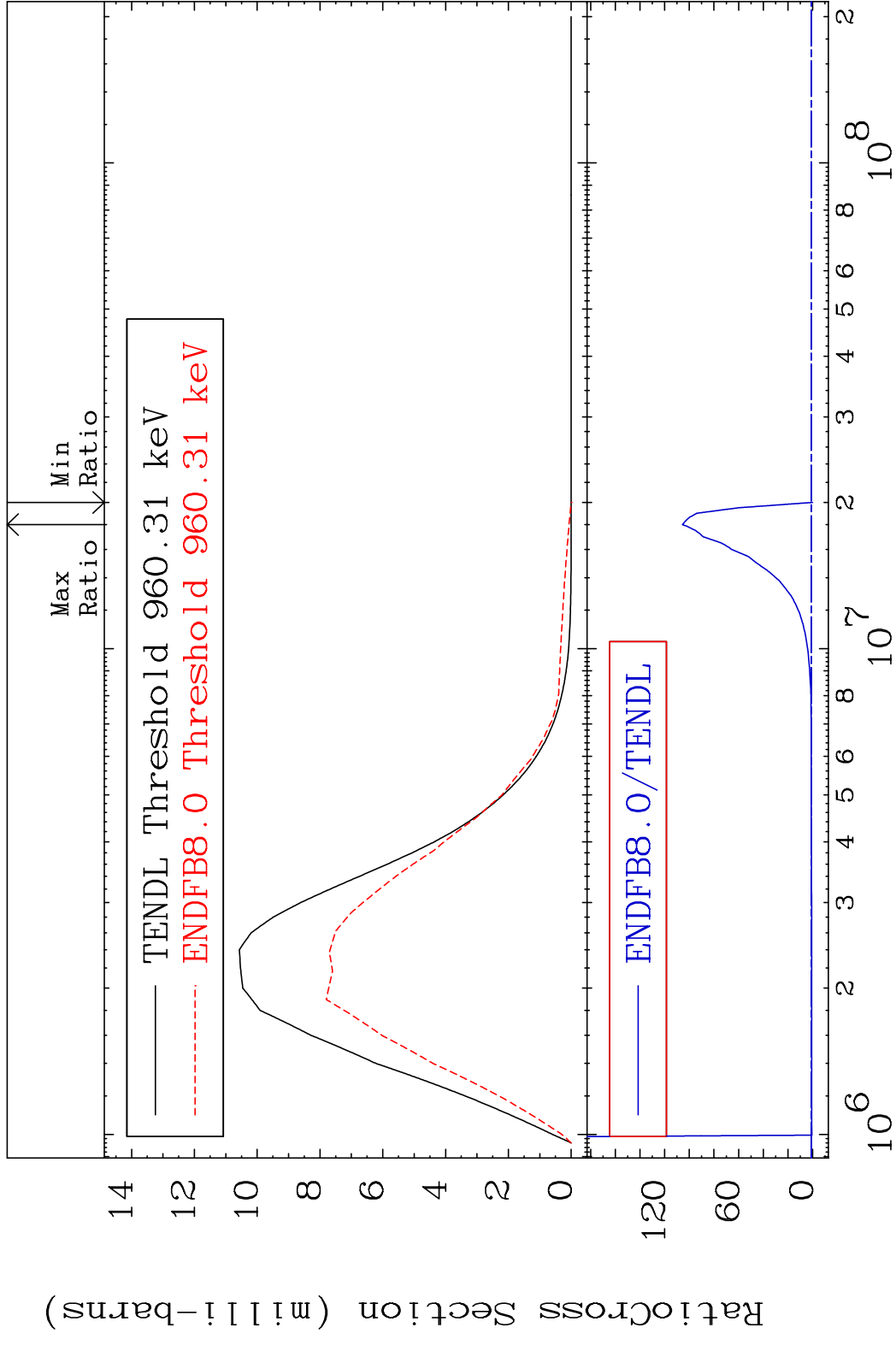


MAT 2125 MT= 54 (n,n') Level 21-Sc-45  
 Cross Section -100.0 To 7.330 %



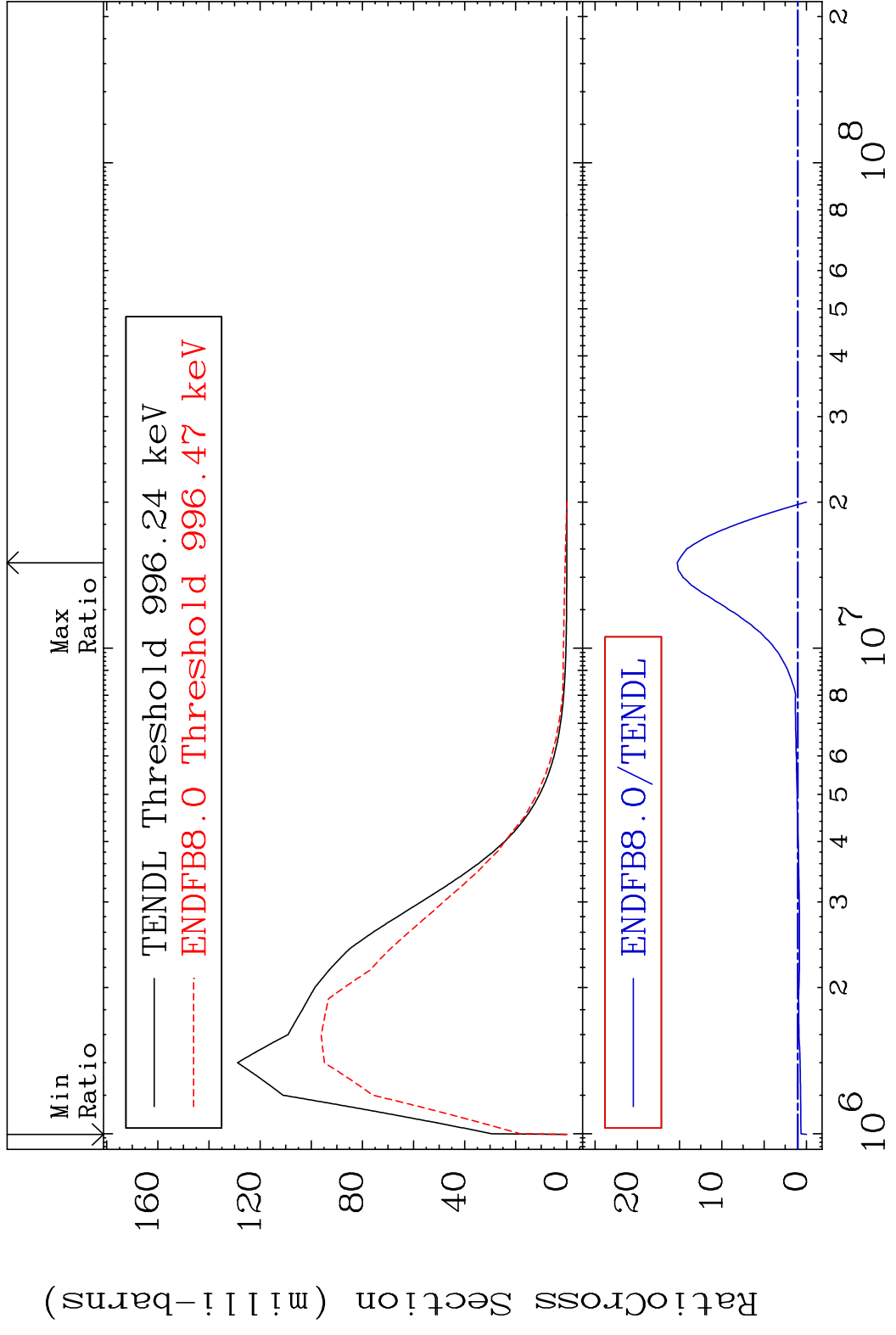
10 8 6 4 2 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup> 21-Sc-45

MAT 2125 MT= 55 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 9999. %



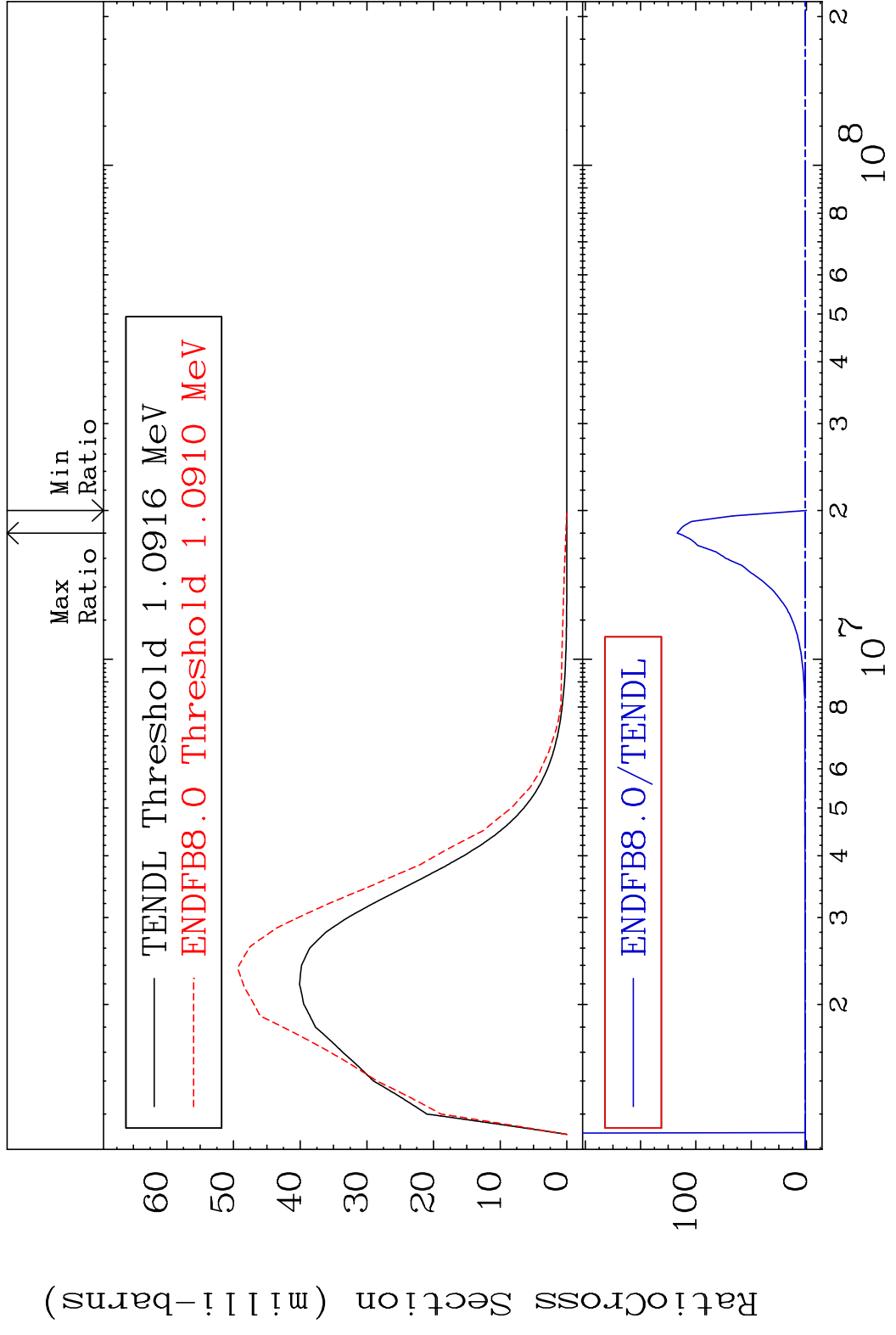
11 Incident Energy (eV) 21-Sc-45

MAT 2125 MT= 56 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 1428. %

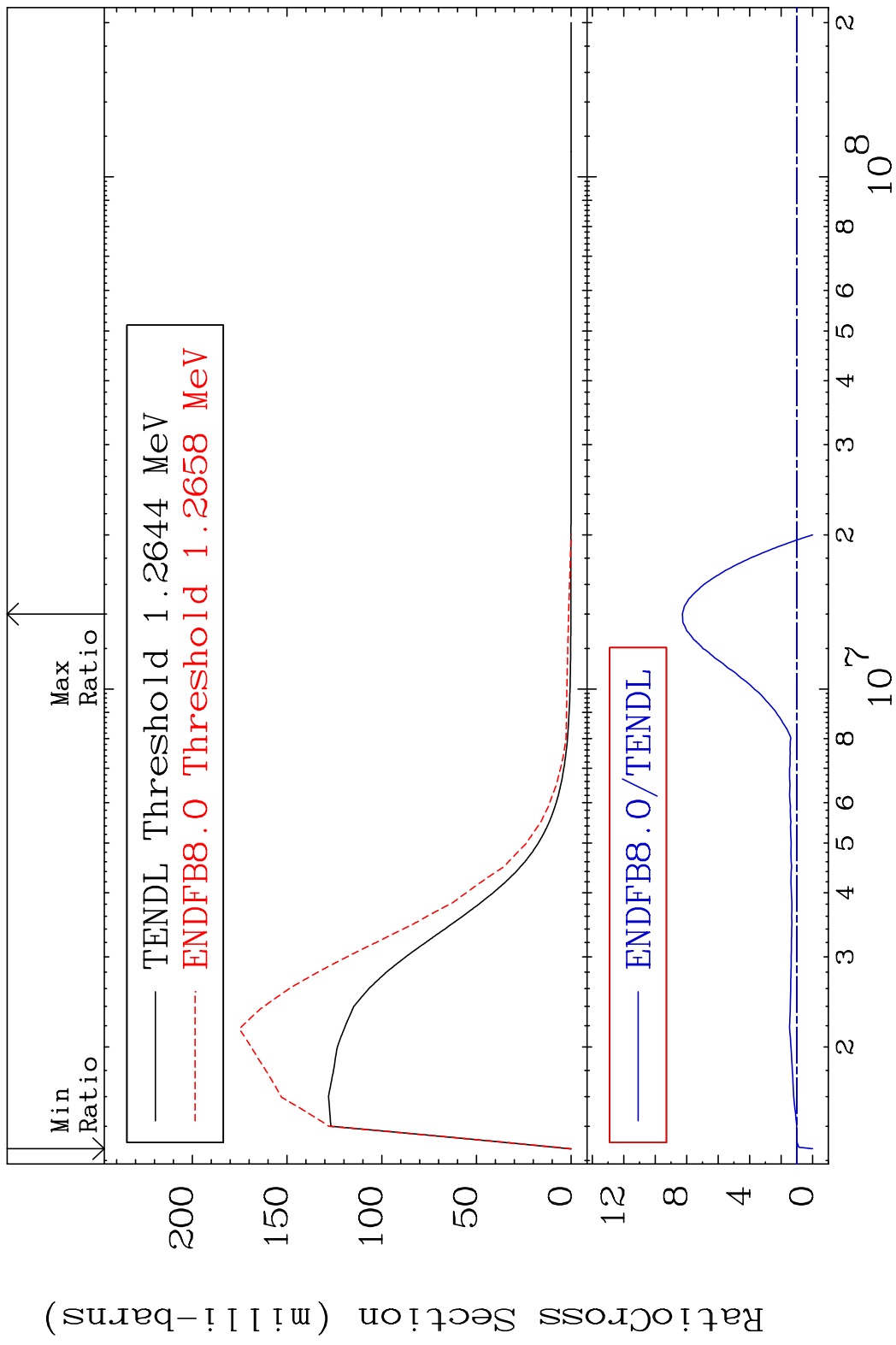


12 Incident Energy (eV) 21-Sc-45

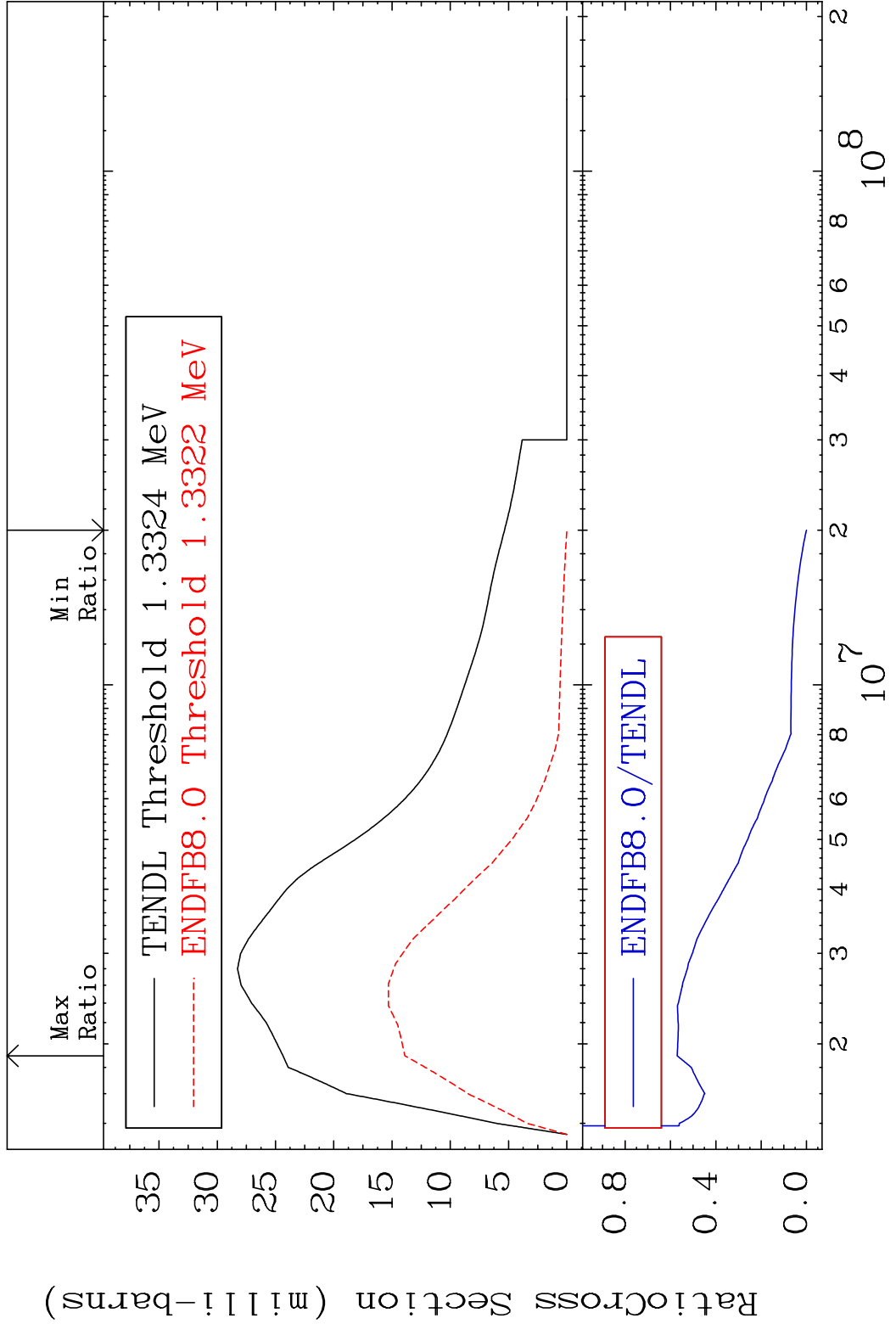
MAT 2125 MT= 57 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 9999. %



MAT 2125 MT= 58 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 727.7 %

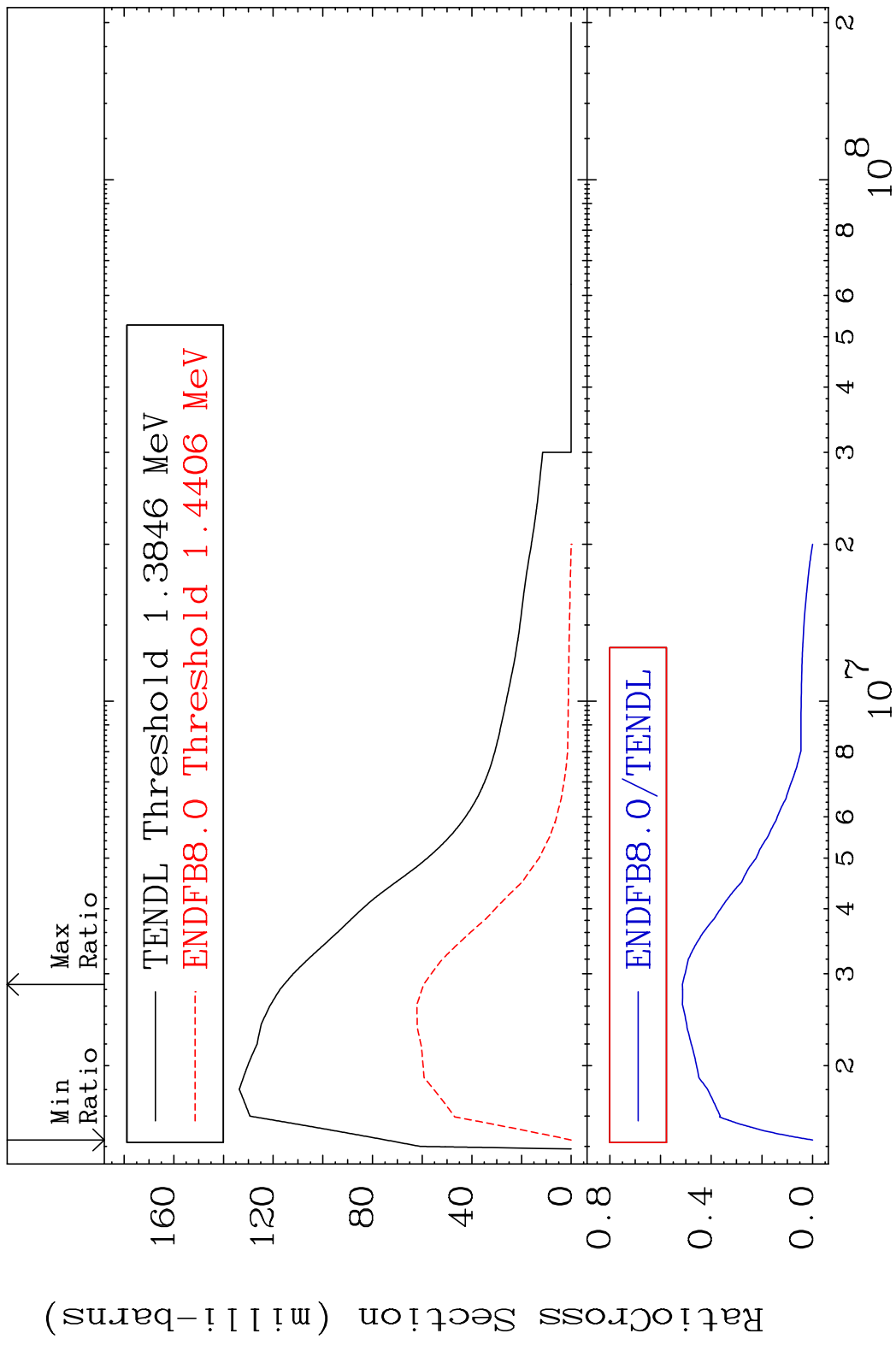


MAT 2125 MT= 59 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To -42.94%

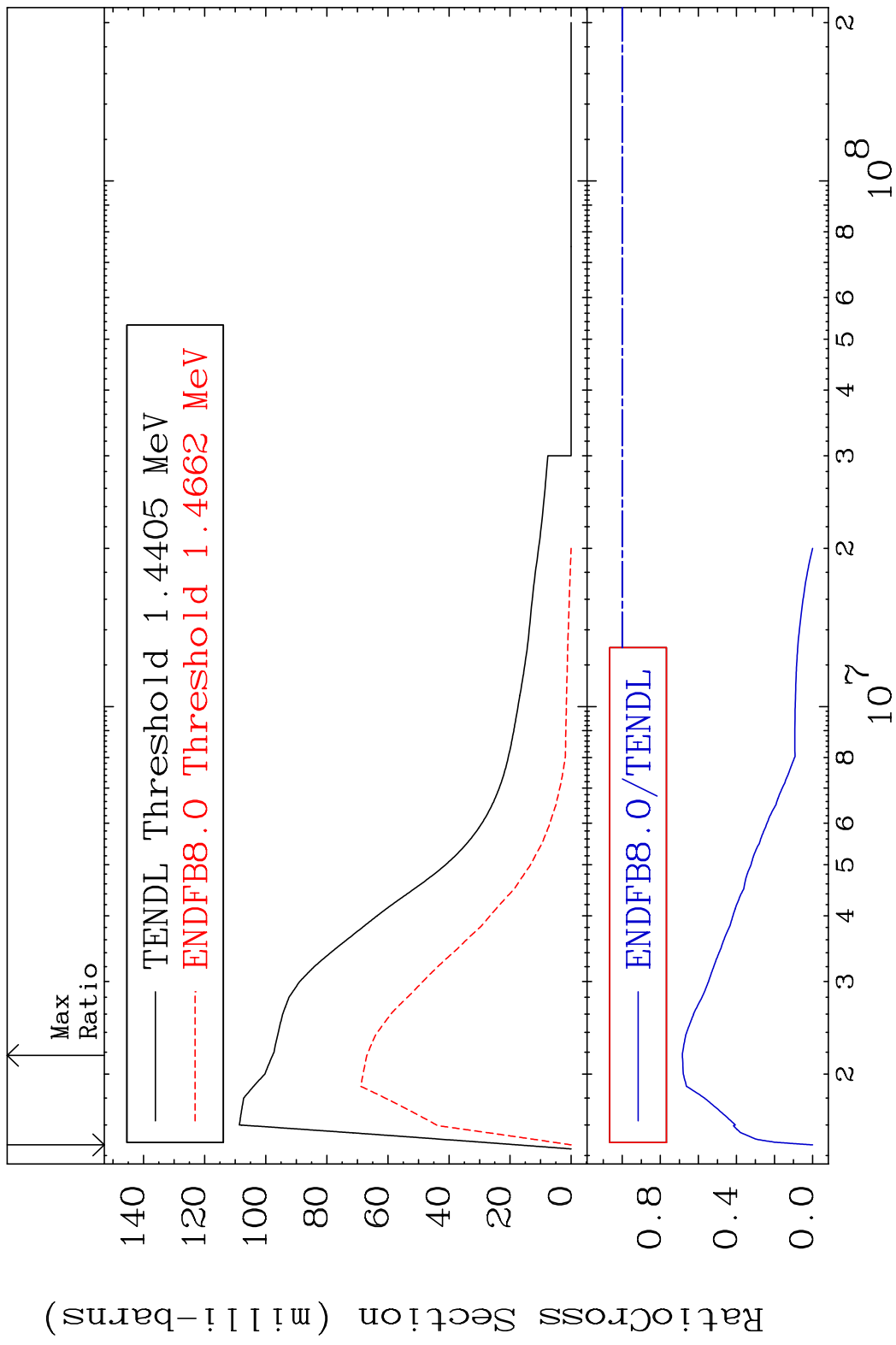




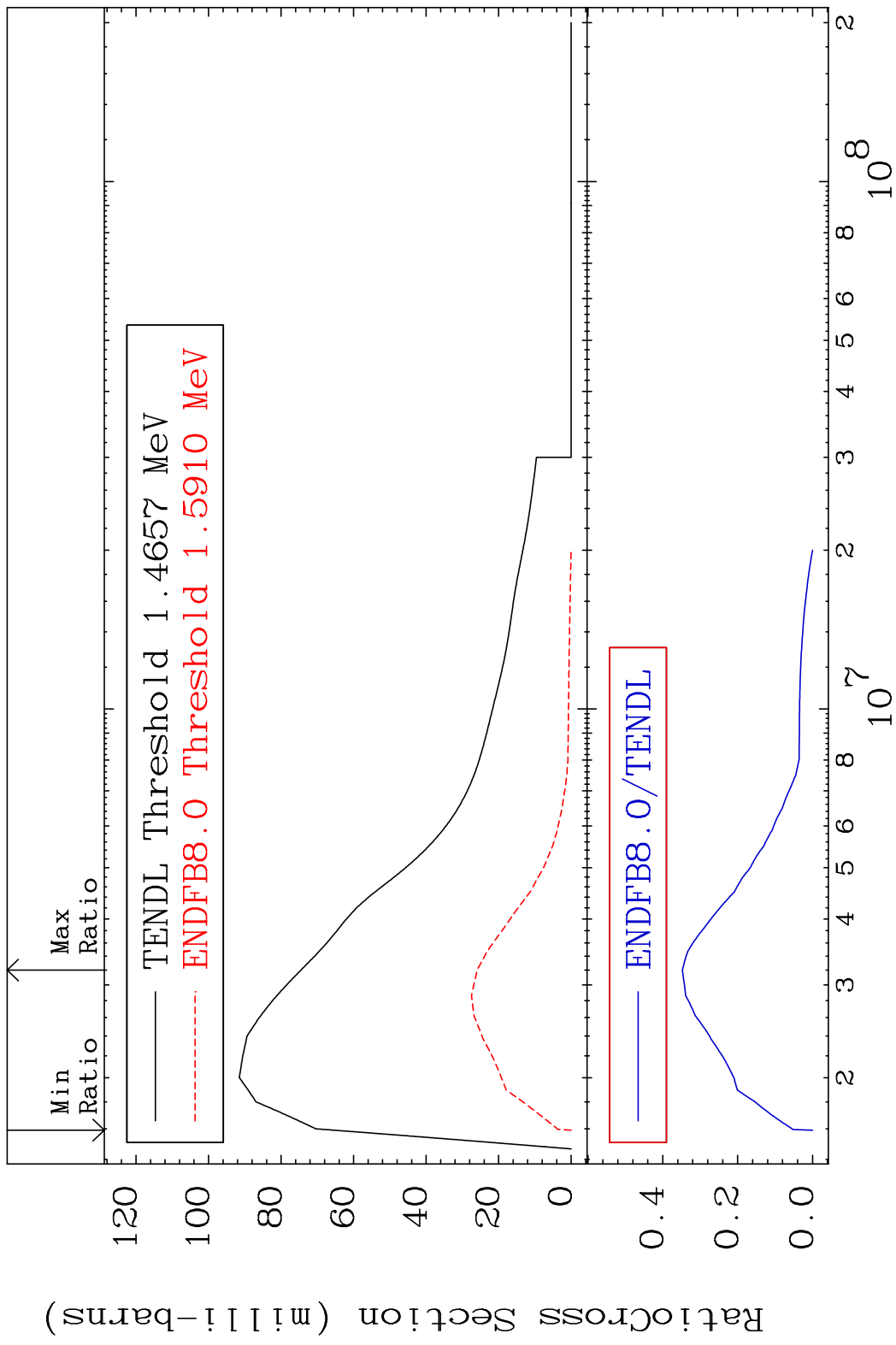
MAT 2125 MT= 60 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To -48.62%



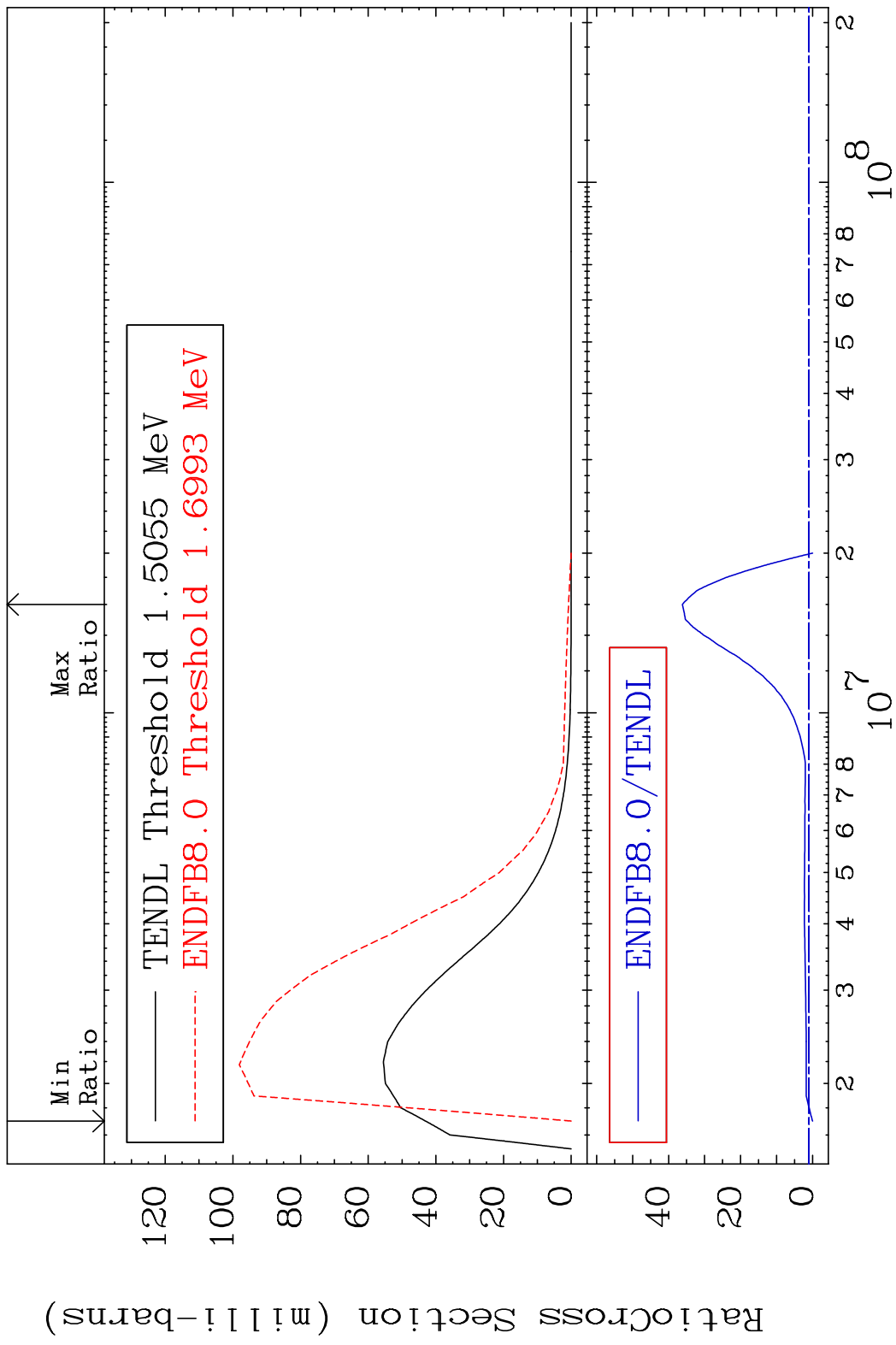
MAT 2125 MT= 61 (n,n') Level 21-Sc-45  
 Cross Section -100.0 To -31.59%



MAT 2125 MT= 62 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To -65.23%

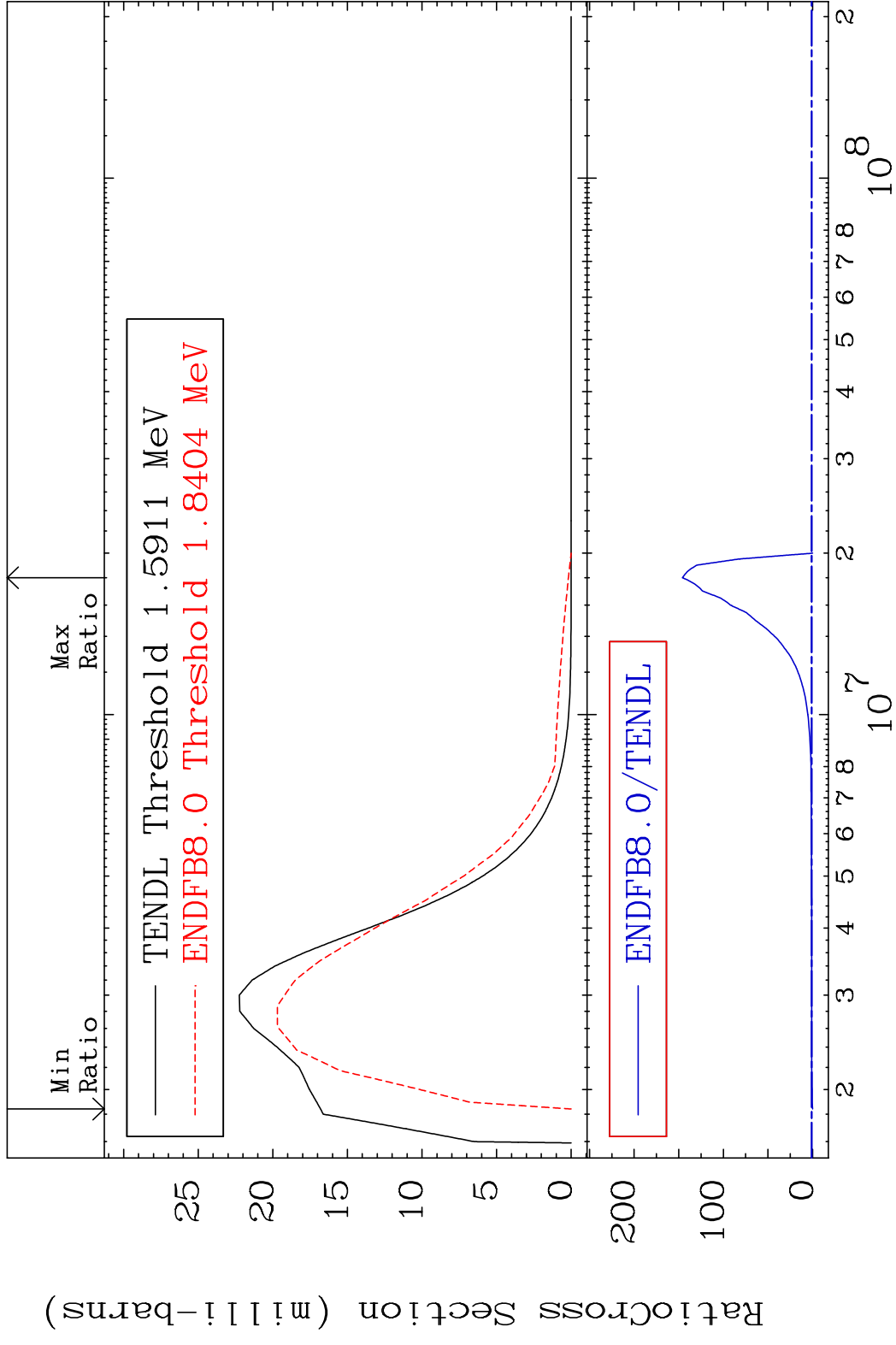


MAT 2125 MT= 63 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 3518. %



19 Incident Energy (eV) 21-Sc-45

MAT 2125 MT= 64 (n, n') Level 21-Sc-45  
 Cross Section -100.0 To 9999. %



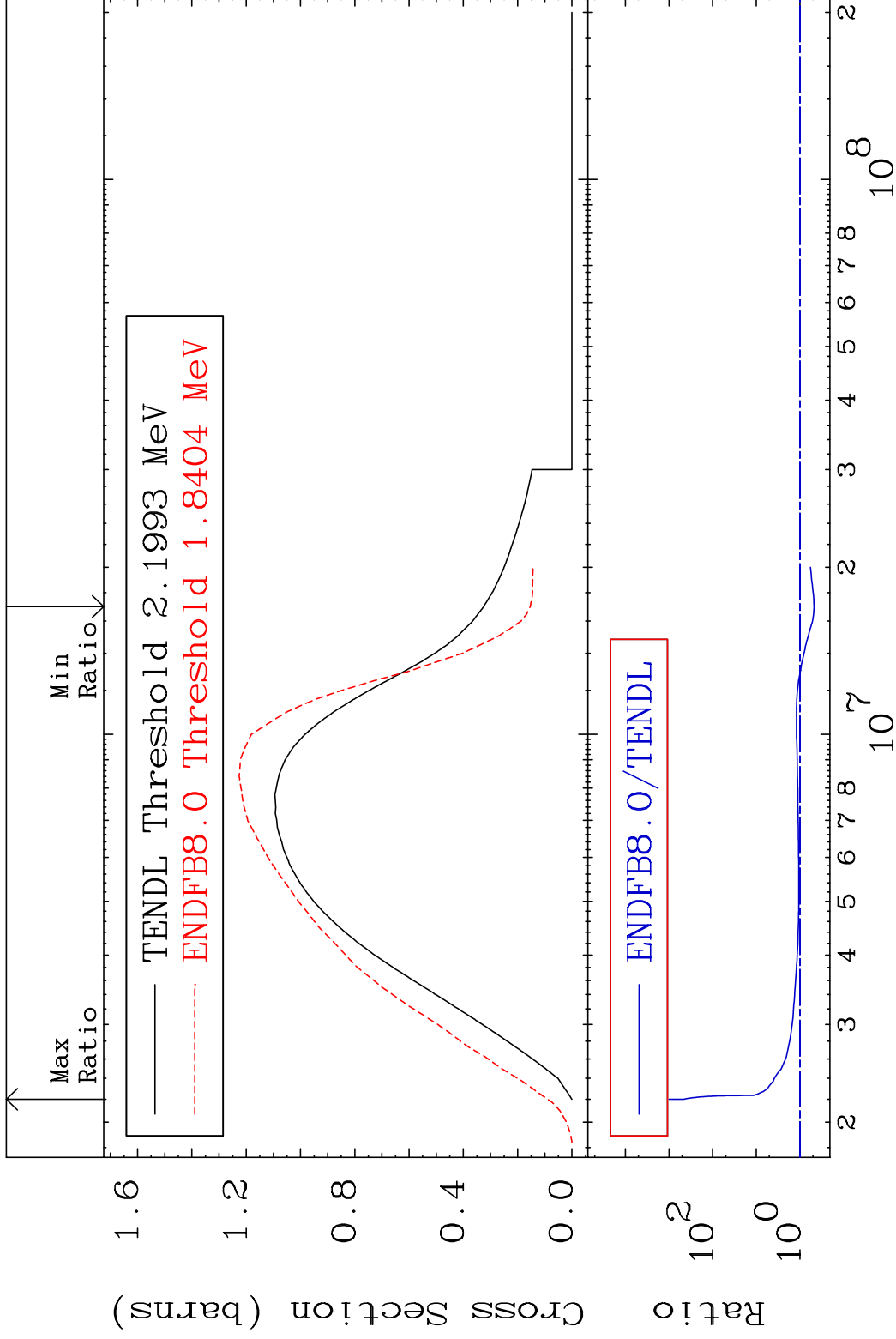
20 Incident Energy (eV) 21-Sc-45

MAT 2125

(n, n') Continuum

21-Sc-45

Cross Section -52.67 To 9999. %



21

Incident Energy (eV)

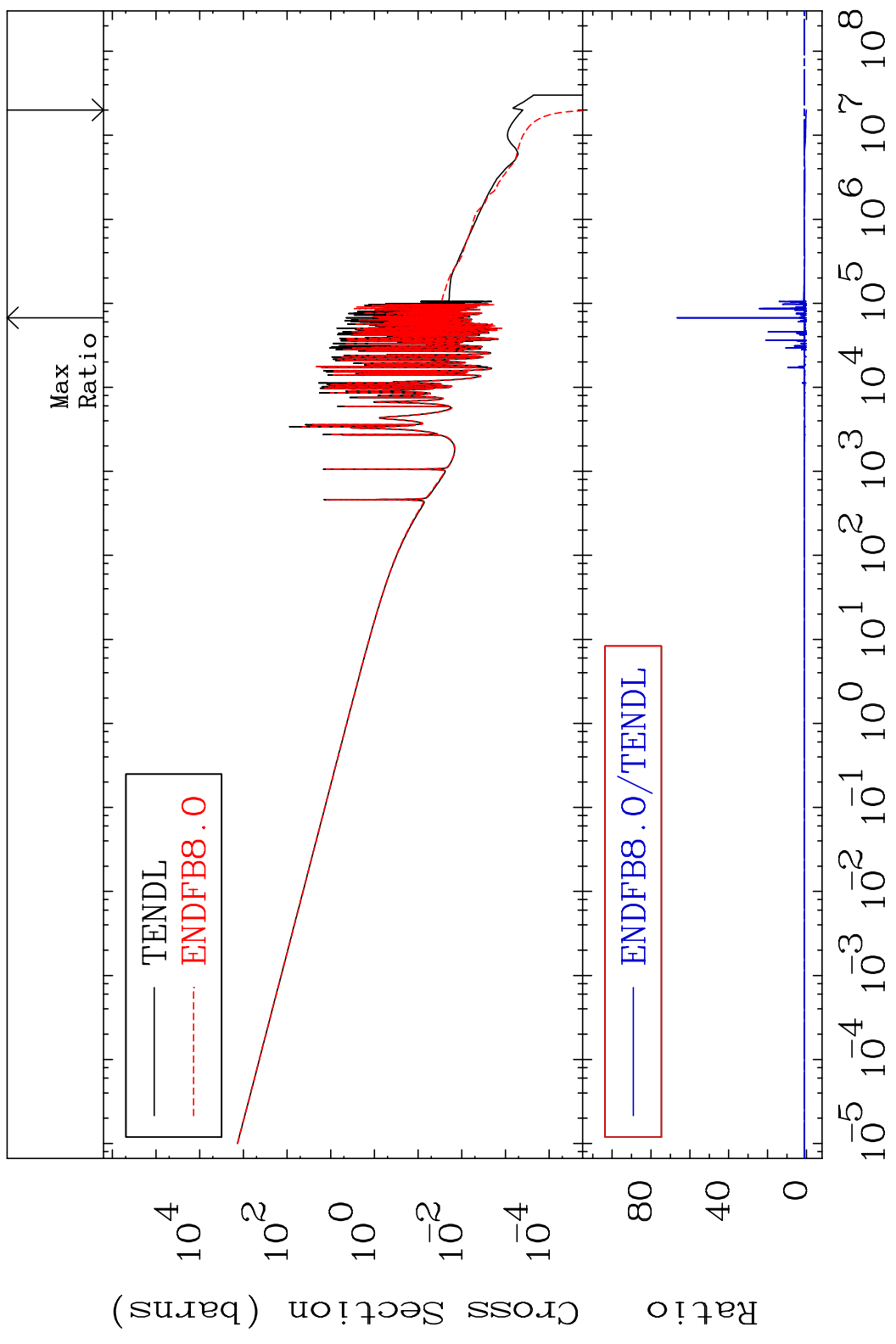
21-Sc-45

MAT 2125

(n,  $\gamma$ )

21-Sc-45

Cross Section -100.0 To 6552. %



22

Incident Energy (eV)

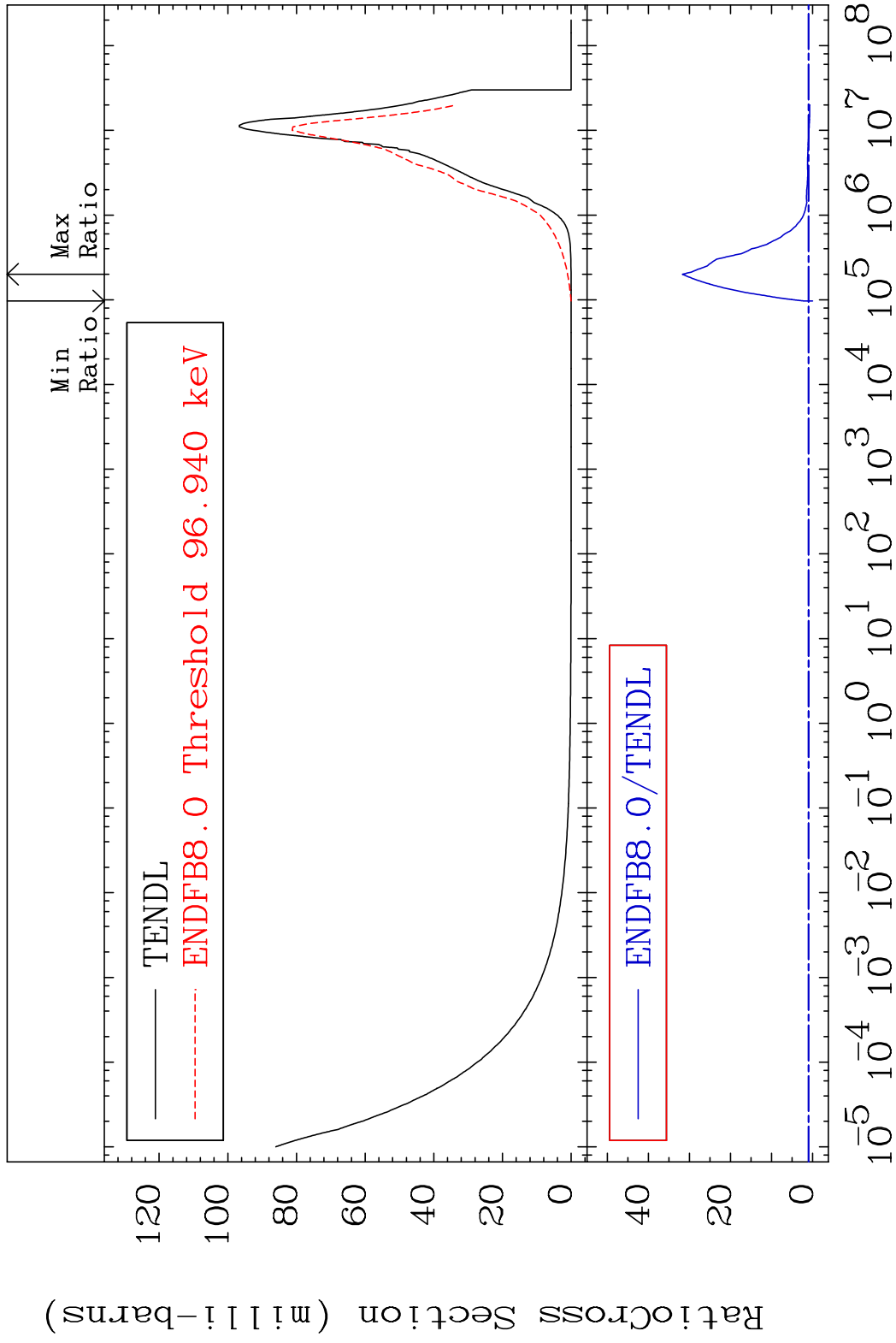
21-Sc-45

MAT 2125

(n,p)

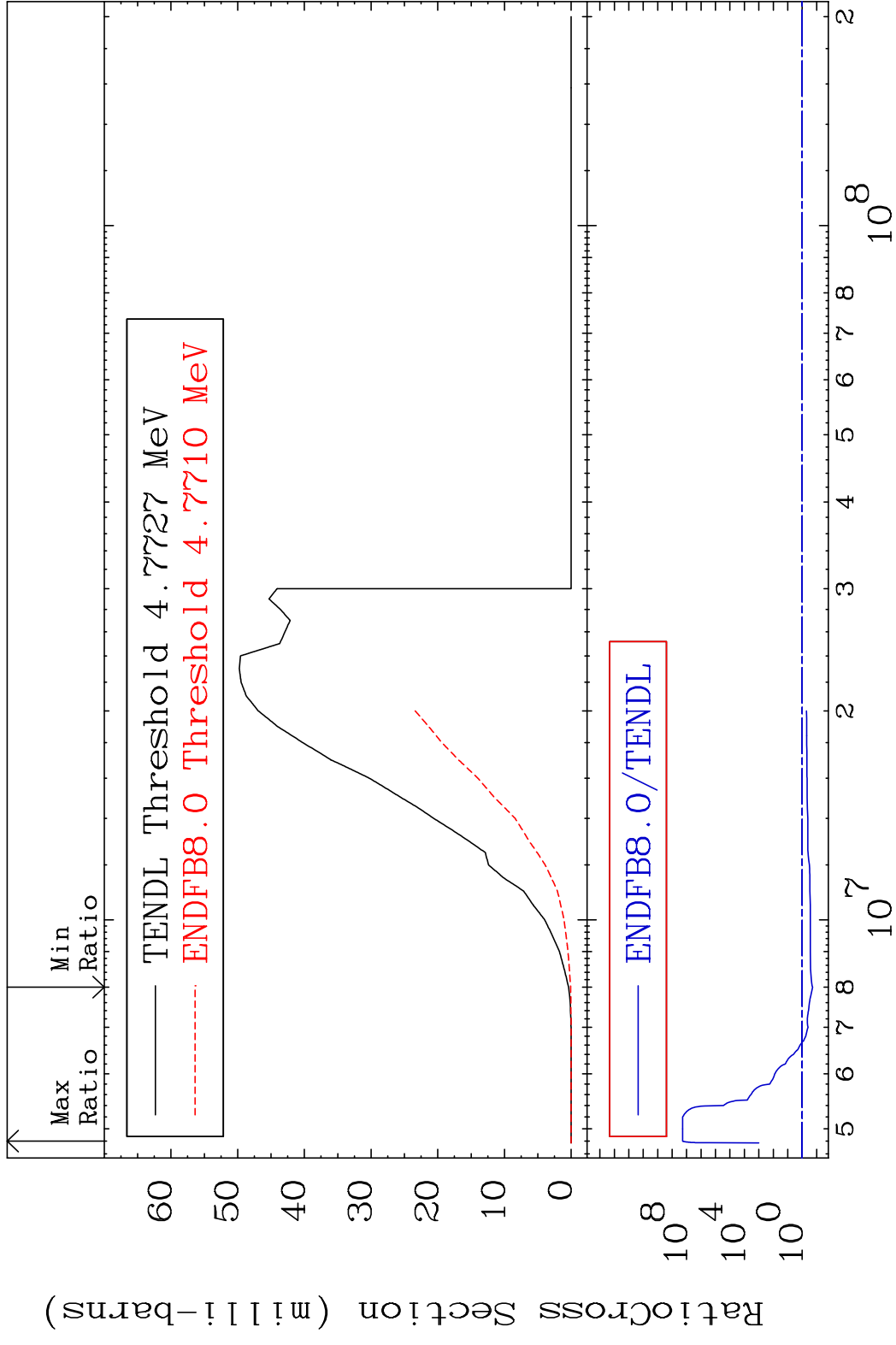
21-Sc-45

Cross Section -100.0 To 3074. %





MAT 2125 (n,d) 21-Sc-45  
 Cross Section -80.86 To 9999. %



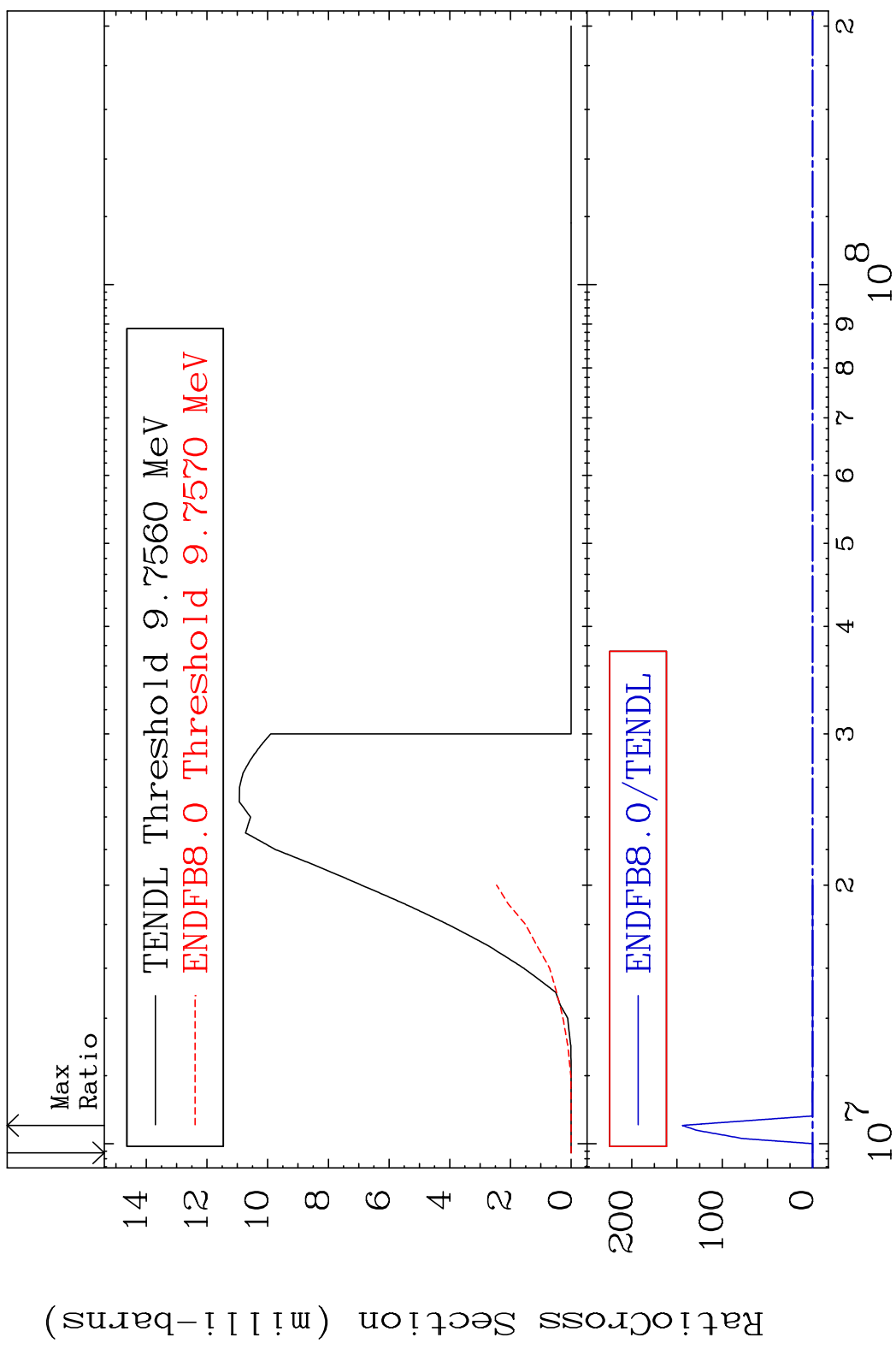
24 Incident Energy (eV) 21-Sc-45

MAT 2125

(n, t)

21-Sc-45

Cross Section -100.0 To 9999. %



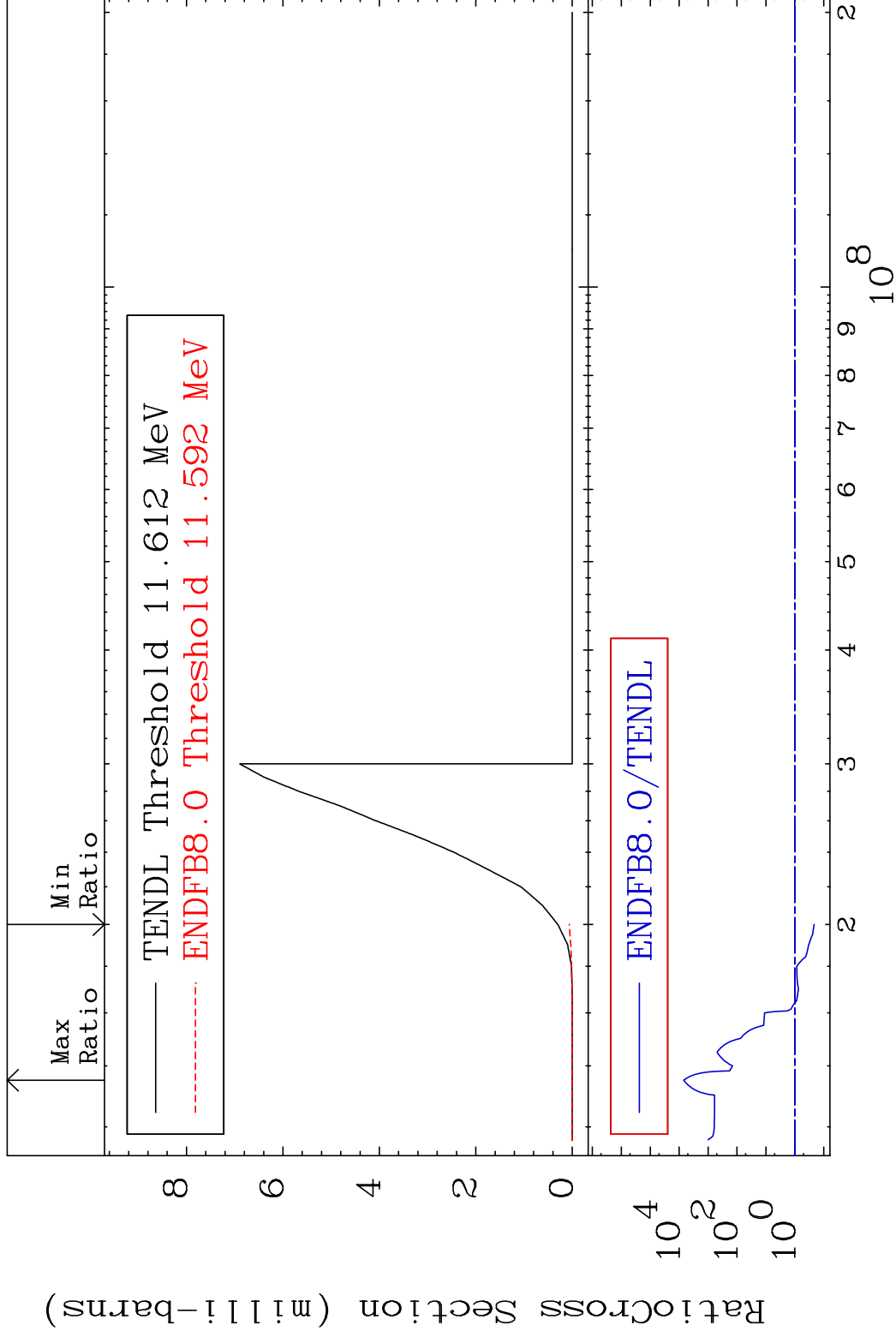
25

MAT 2125

(n, He-3)

21-Sc-45

Cross Section -78.50 To 9999. %

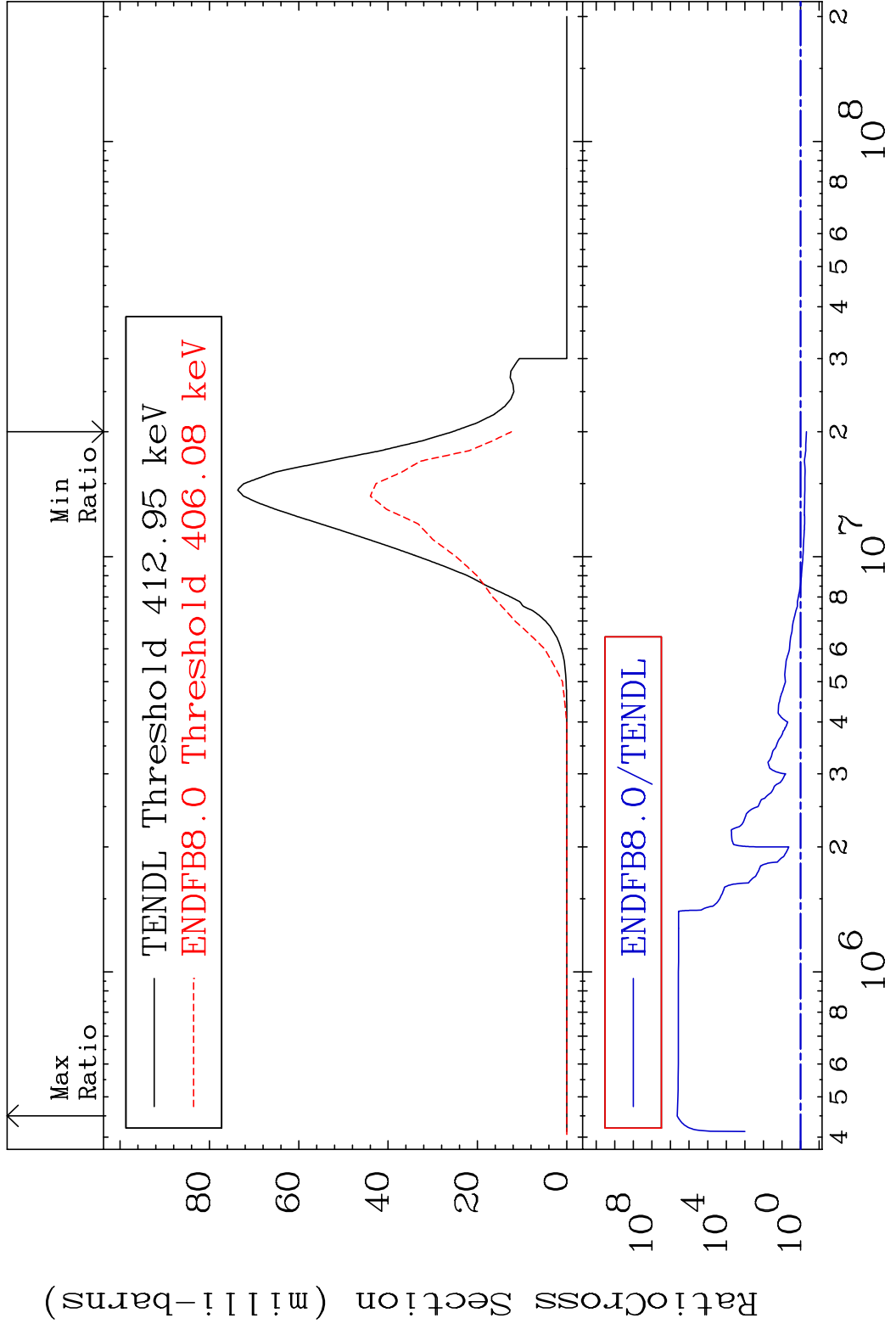


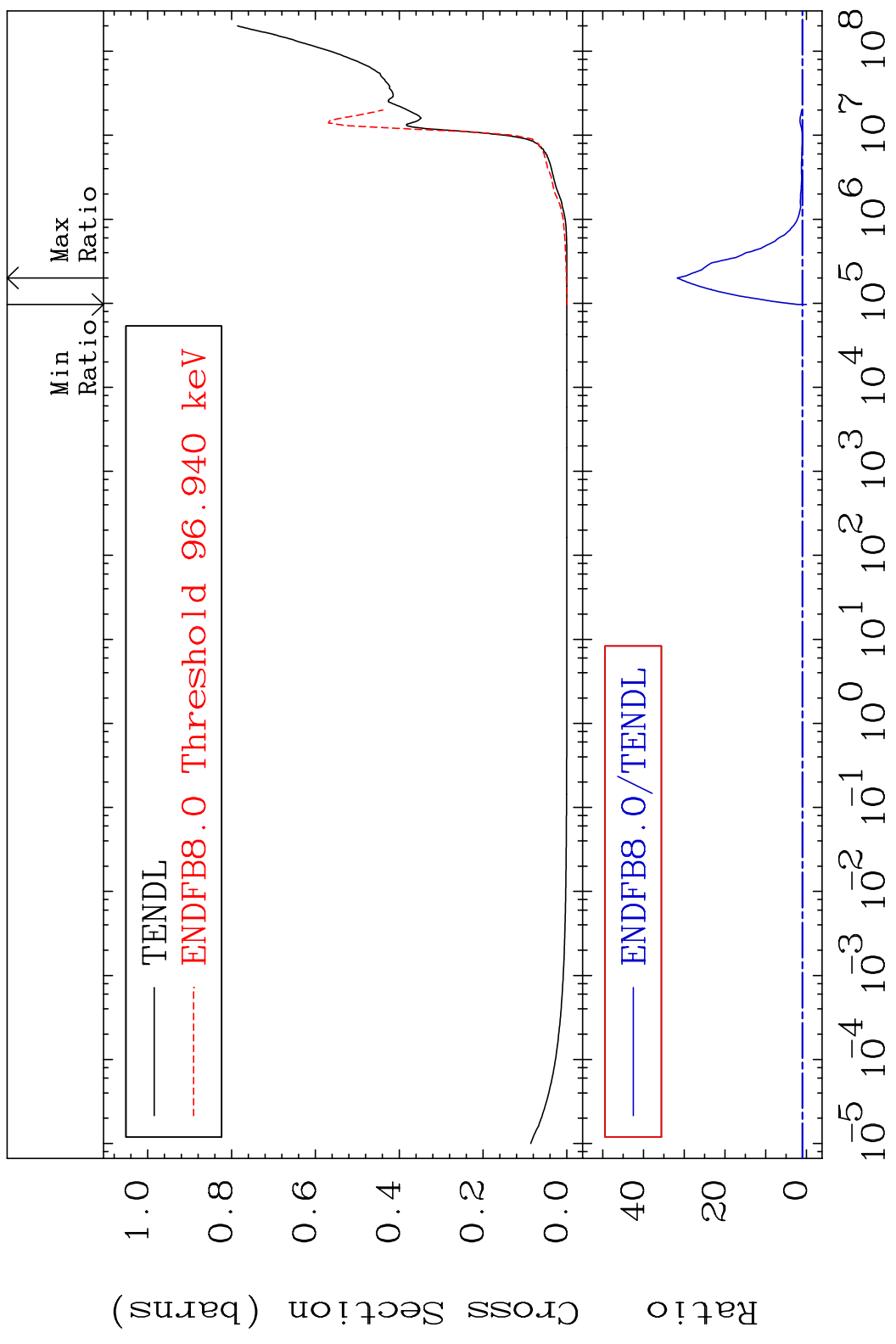
26

Incident Energy (eV)

21-Sc-45

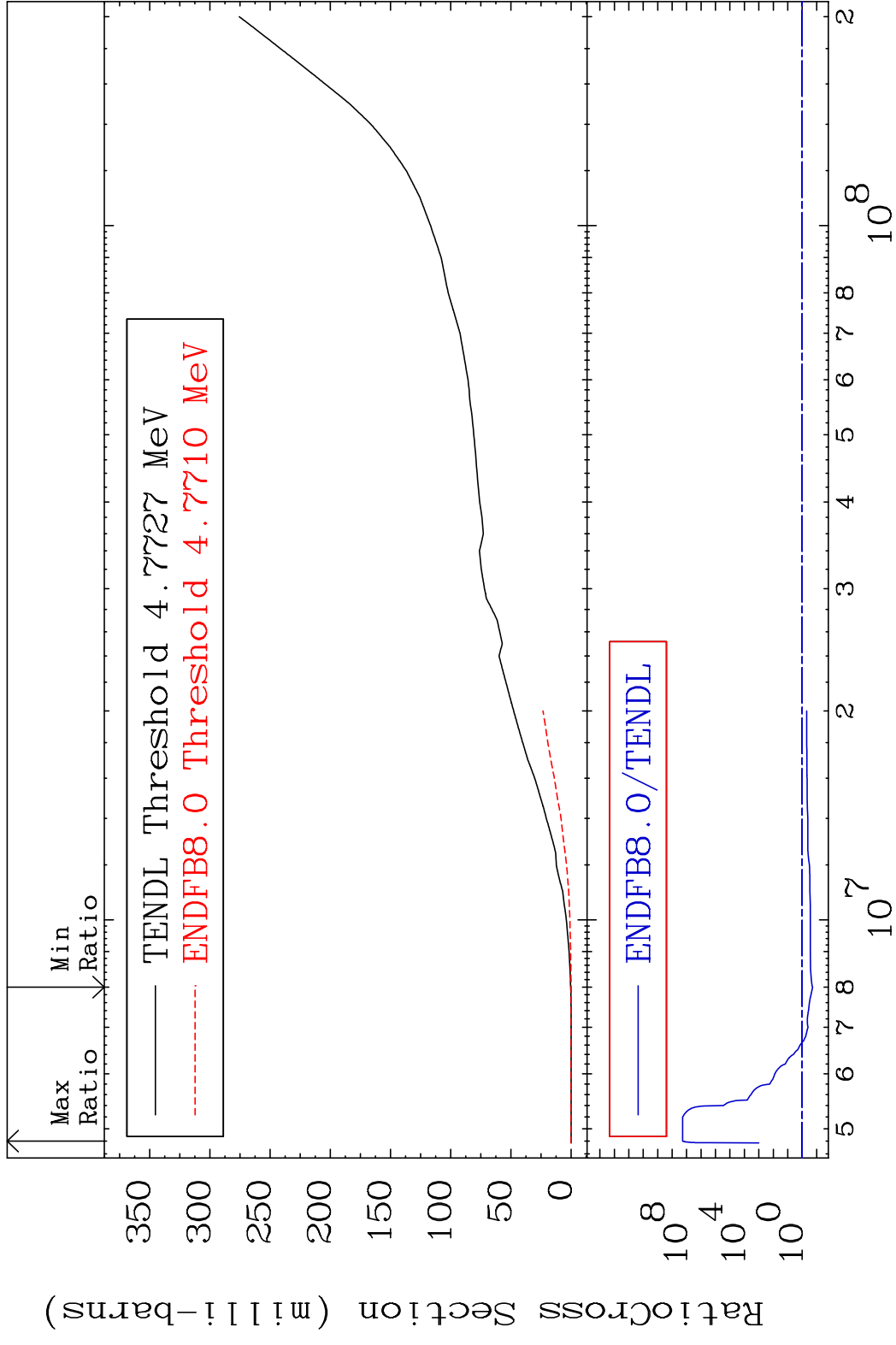
MAT 2125 (n,  $\alpha$ ) 21-Sc-45  
 Cross Section -51.52 To 9999. %





MAT 2125

Deuterium Production 21-Sc-45  
Cross Section -80.86 To 9999. %



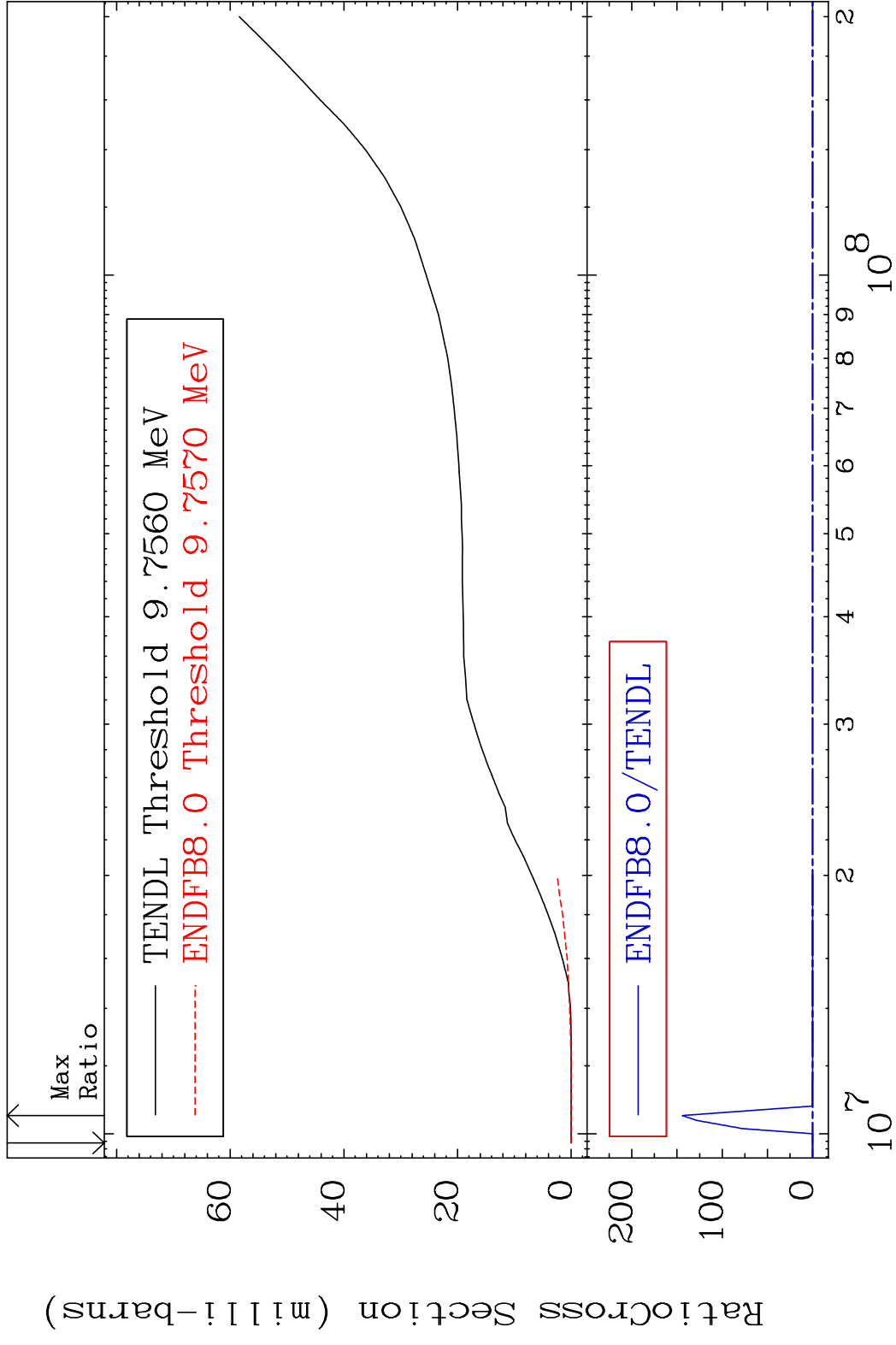
29

Incident Energy (eV) 21-Sc-45

MAT 2125

Tritium Production 21-Sc-45

Cross Section -100.0 To 9999. %

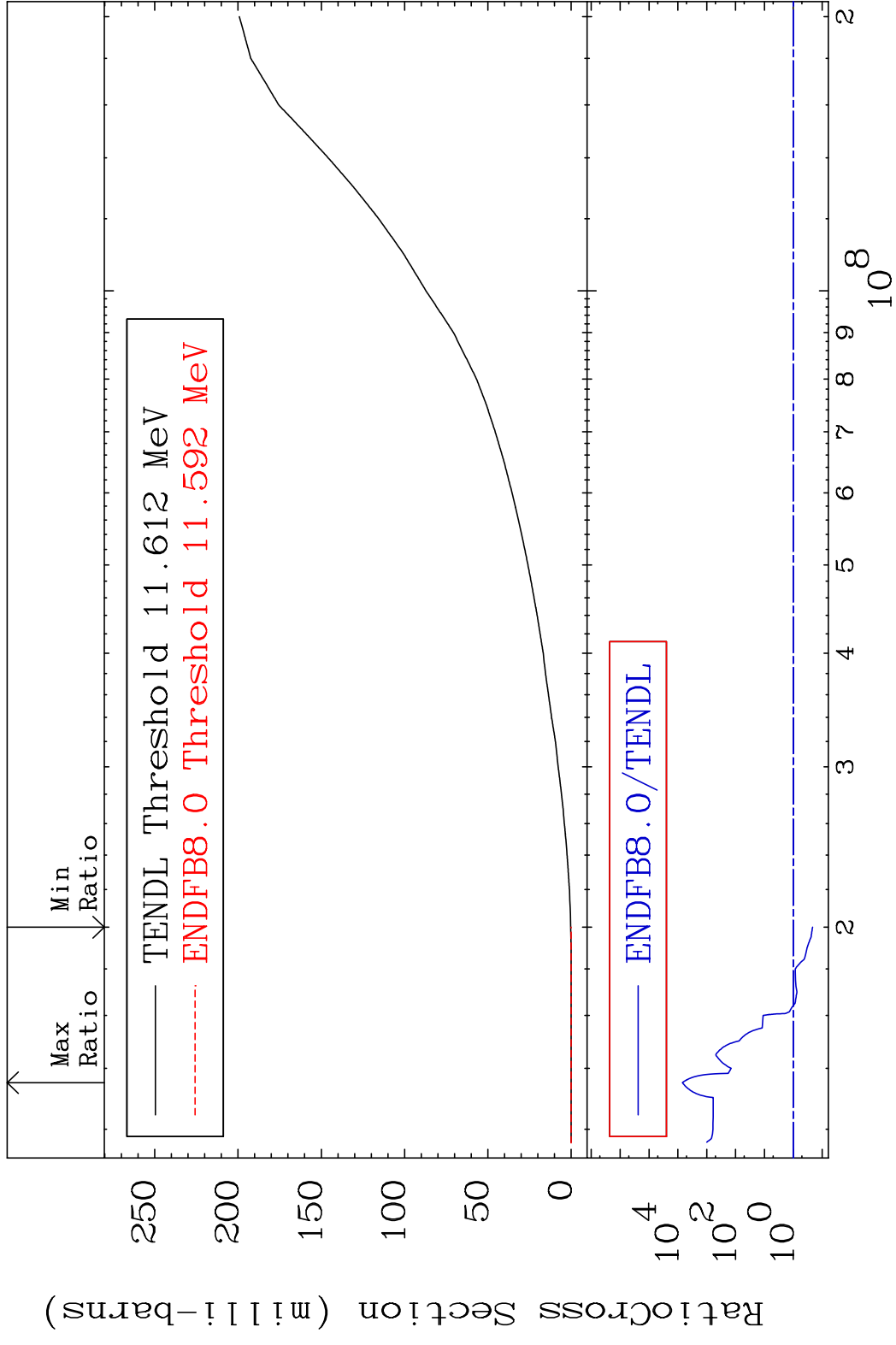


30

Incident Energy (eV)

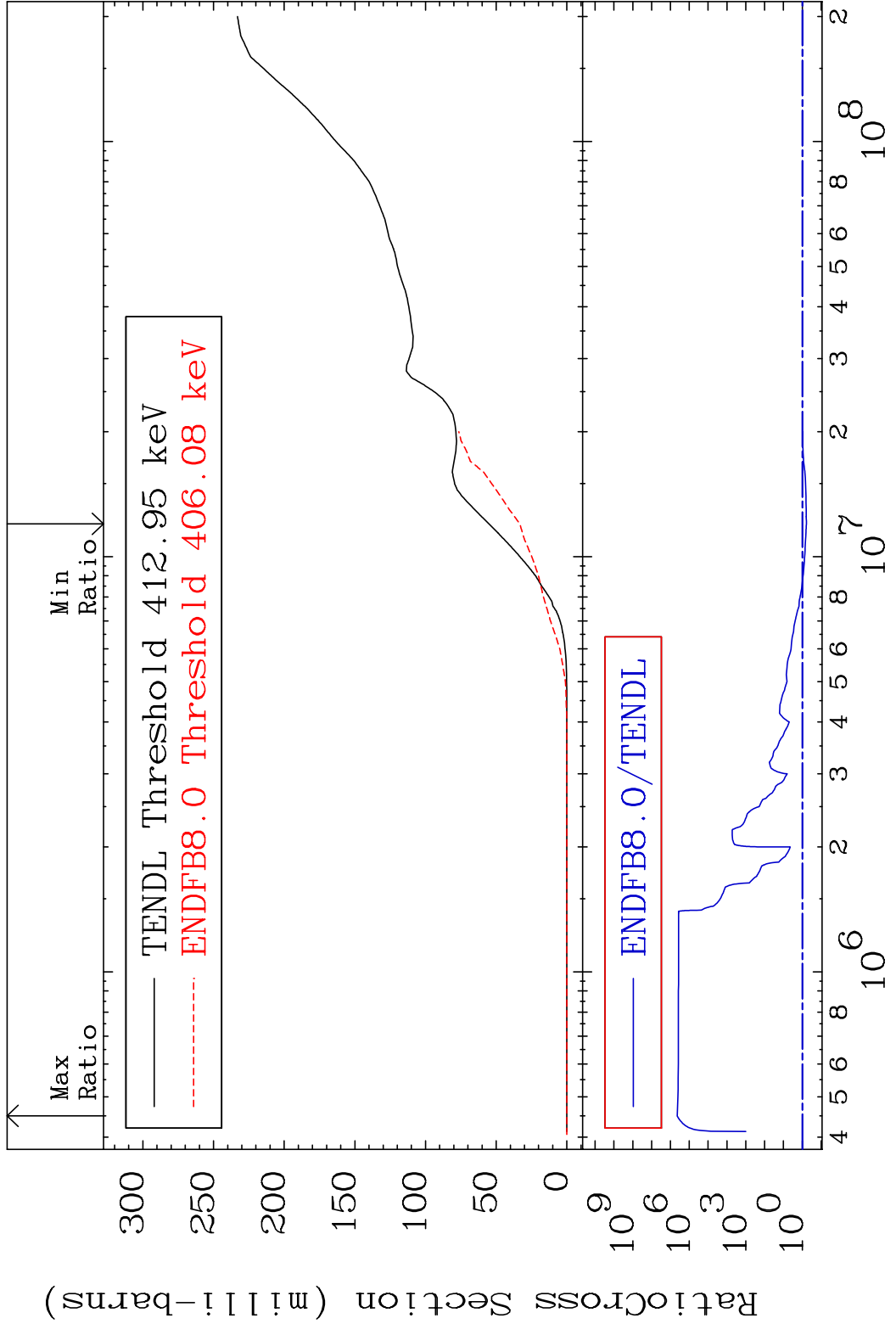
21-Sc-45

Cross Section -78.50 To 9999. %

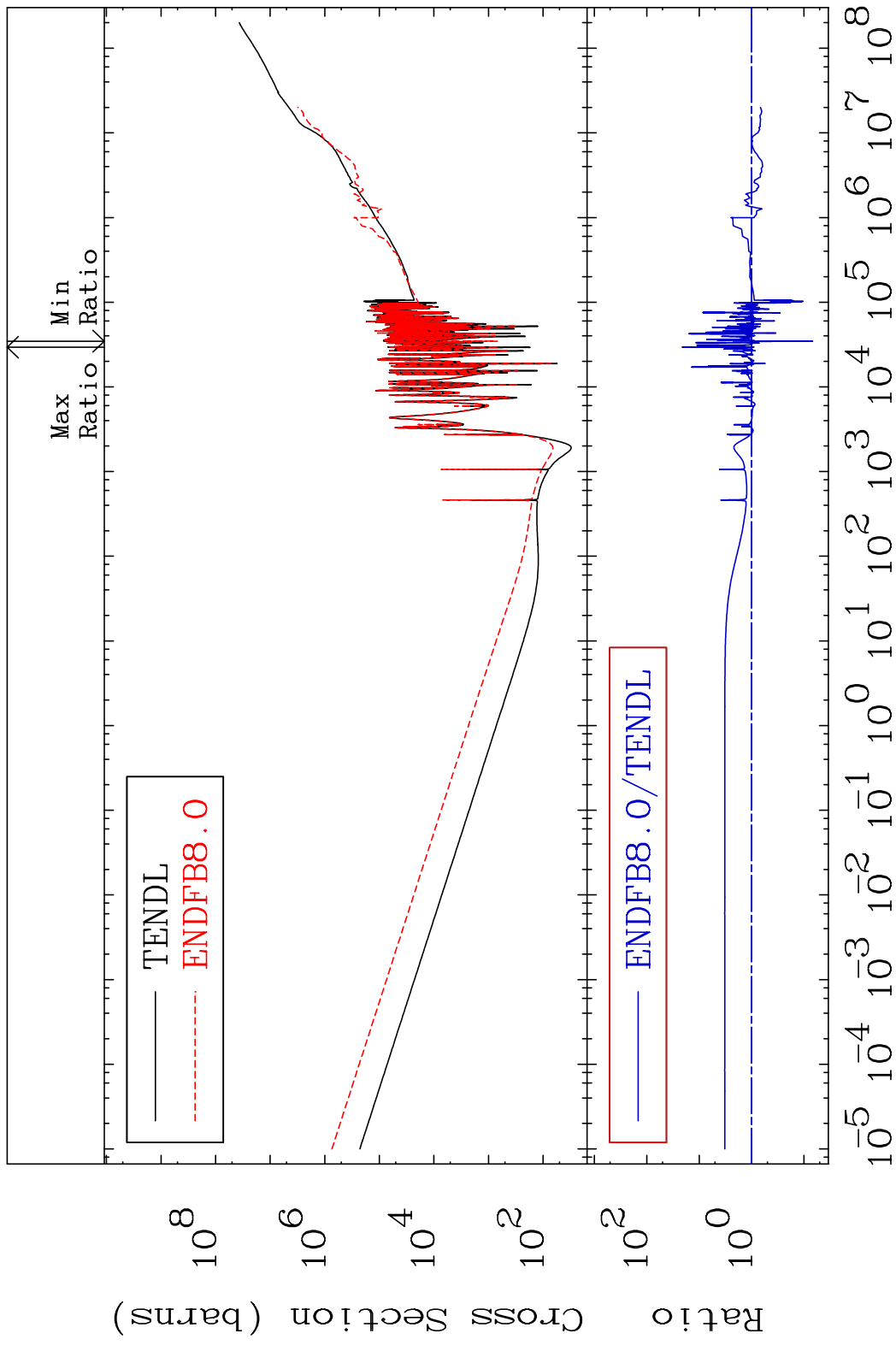




MAT 2125 He-4 Production 21-Sc-45  
 Cross Section -39.53 To 9999. %



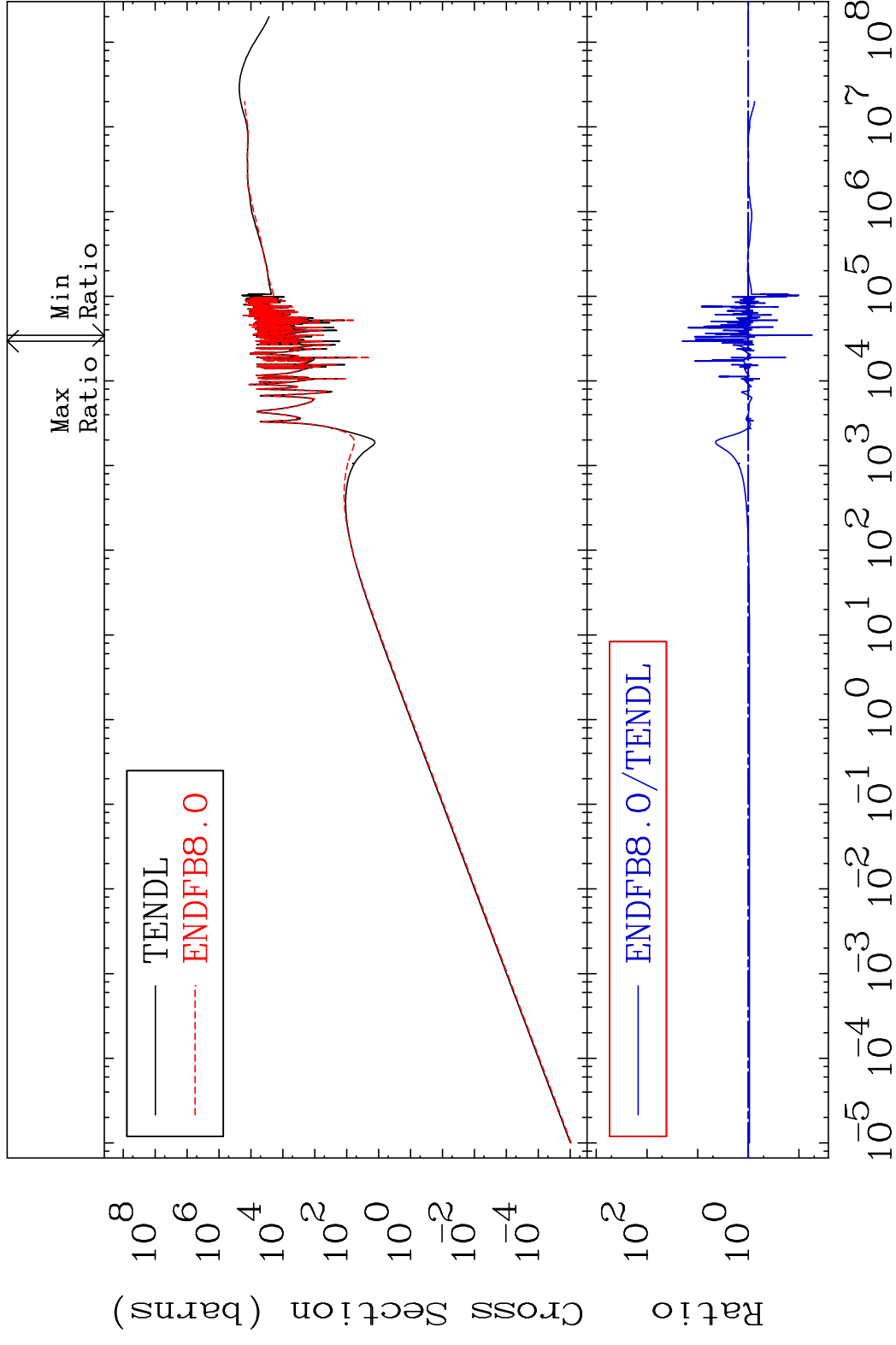
MAT 2125 Kerma total (eV-barns) 21-Sc-45  
 Cross Section -93.14 To 1992. %



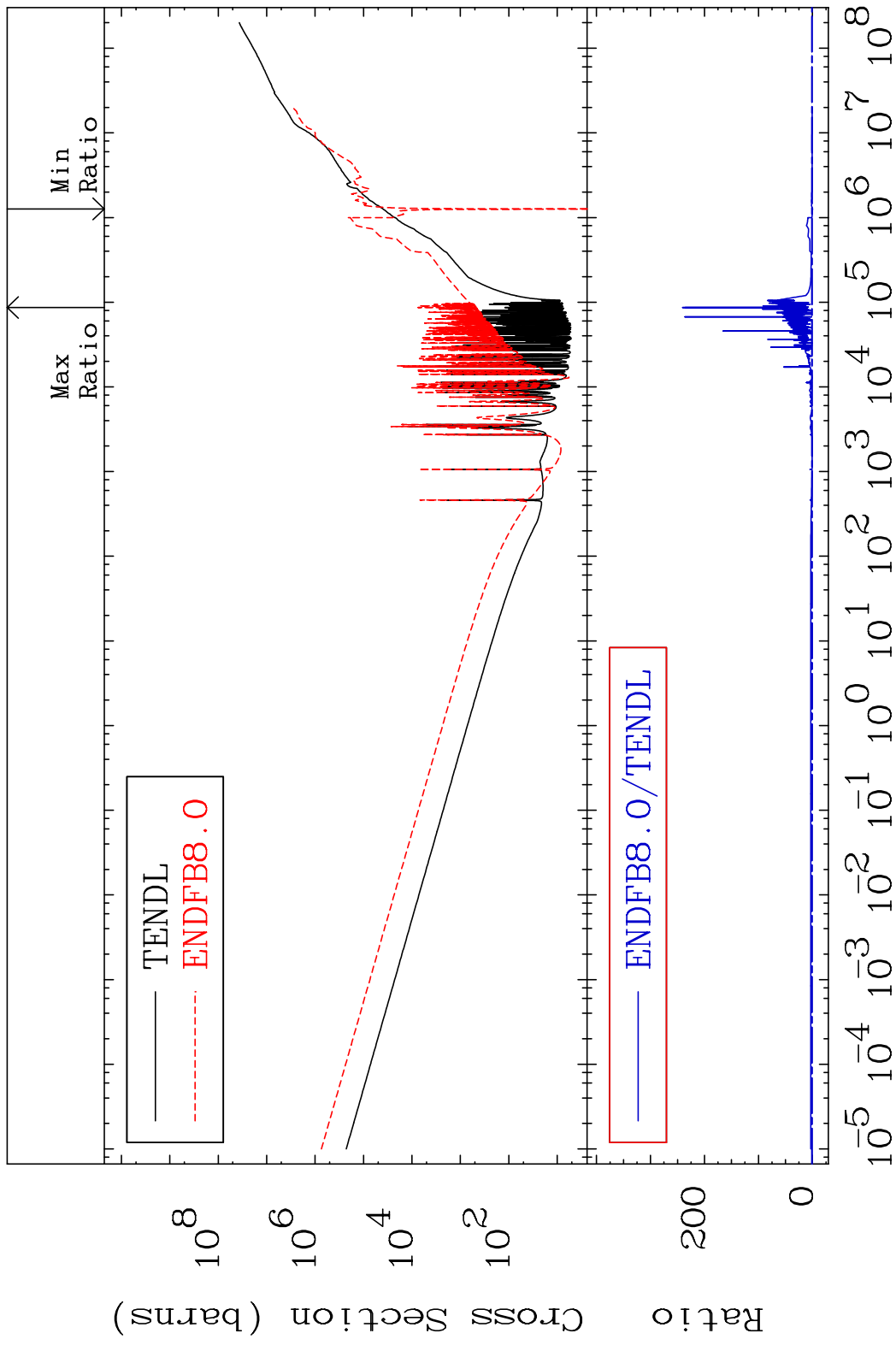
MAT 2125

Kerma elastic  
Cross Section

21-Sc-45  
-94.61 To 1900. %

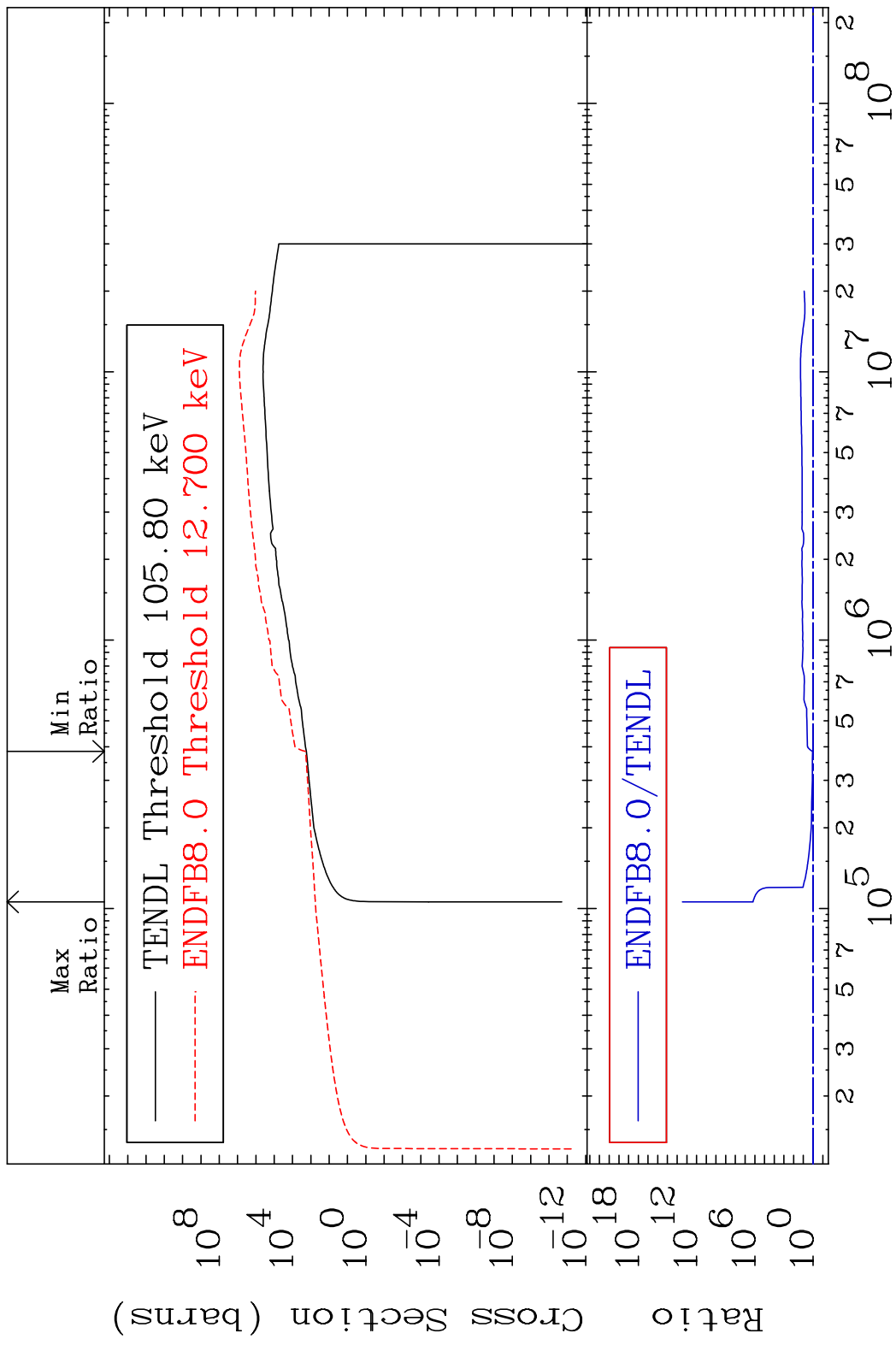


MAT 2125 Kerma non-elastic (all but mt2) 21-Sc-45  
 Cross Section -113.3 To 9999. %

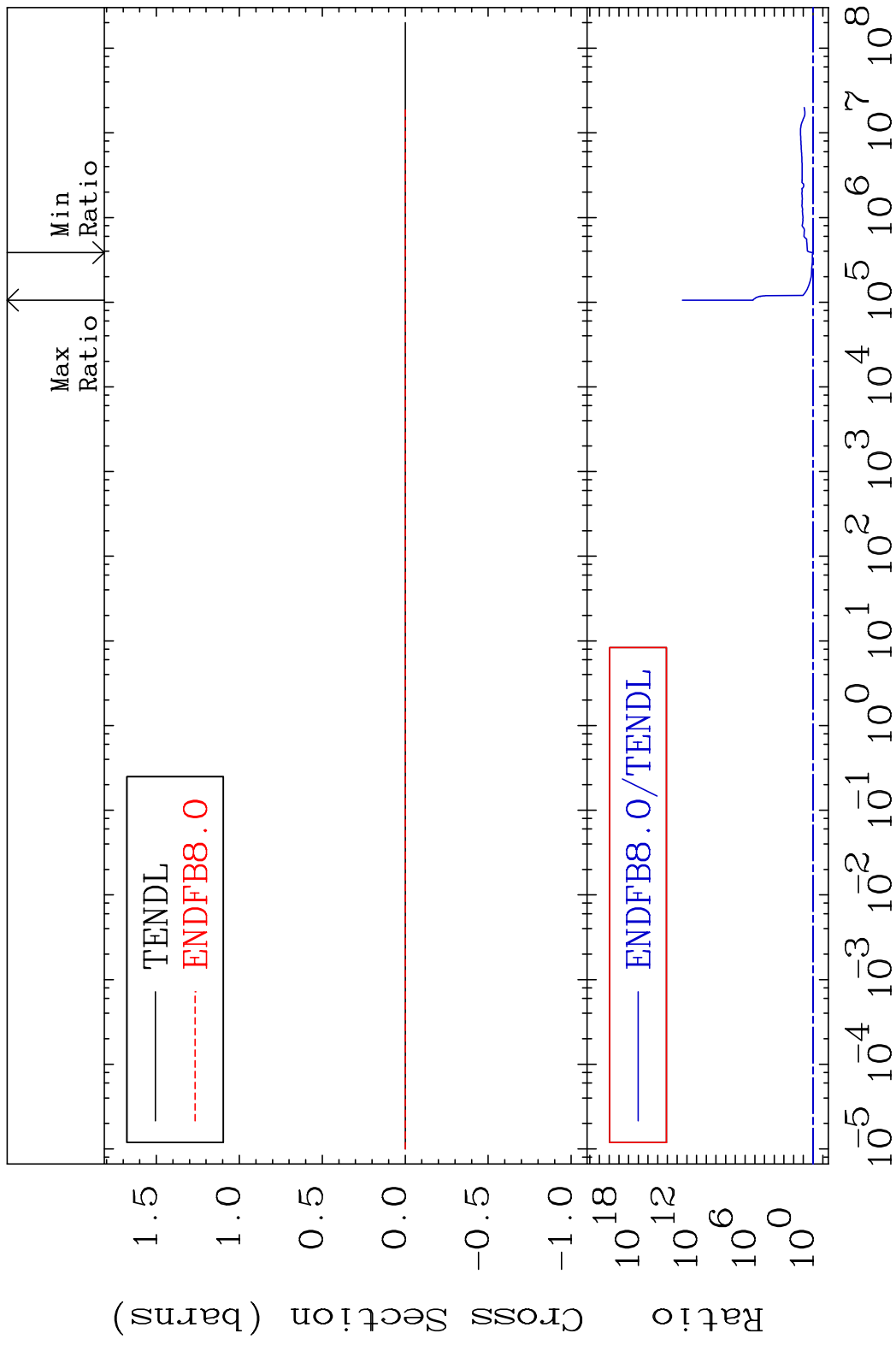


35 Incident Energy (eV) 21-Sc-45

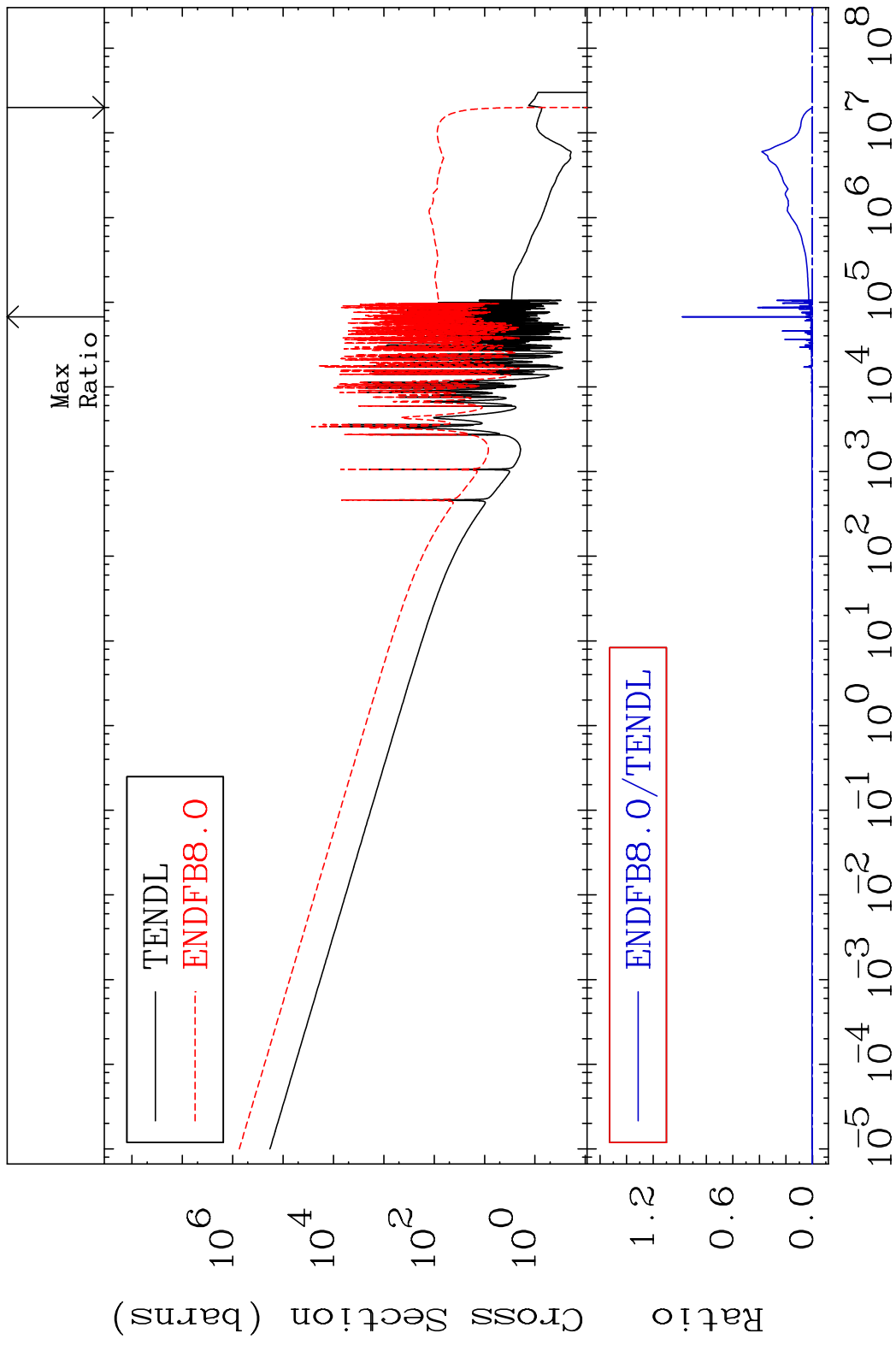
MAT 2125 Kerma inelastic (mt51-91) 21-Sc-45  
 Cross Section 12.38 To 9999. %



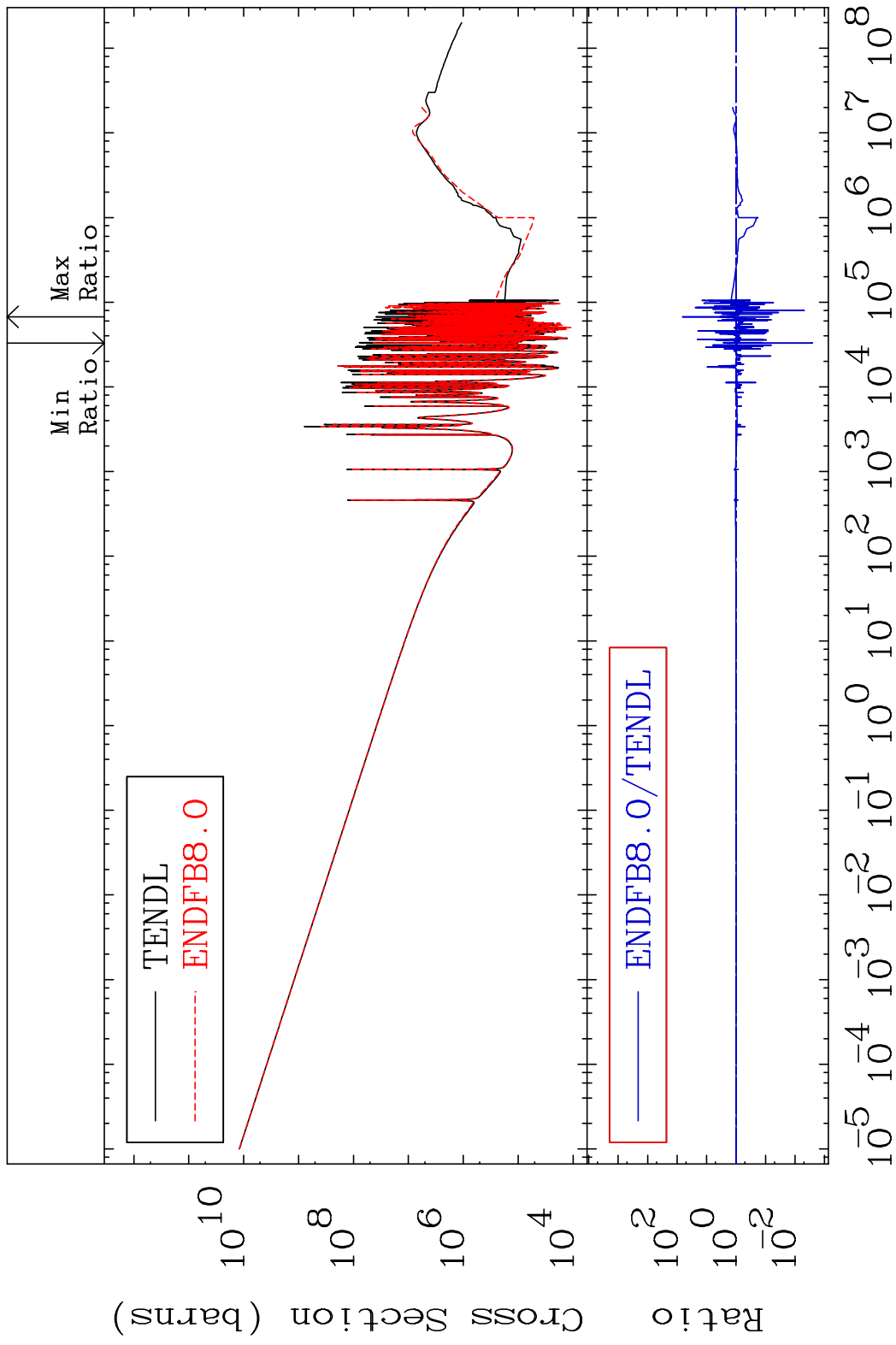
MAT 2125 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-45  
 Cross Section 12.38 To 9999. %



MAT 2125 Kerma capture (mt102) 21-Sc-45  
 Cross Section -100.0 To 9999. %



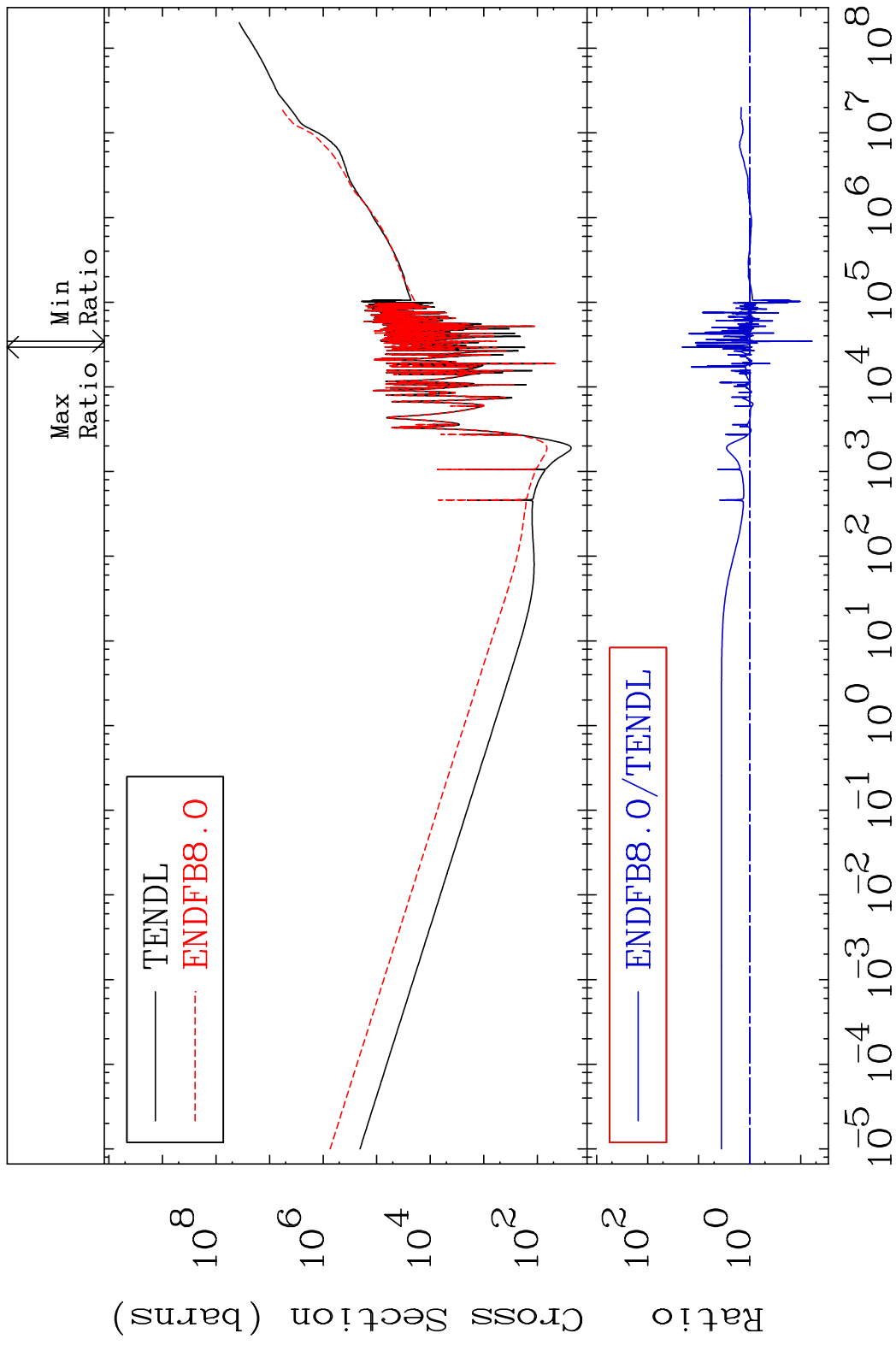
MAT 2125 Total photon (eV-barns) 21-Sc-45  
 Cross Section -99.75 To 6550. %



39 Incident Energy (eV) 21-Sc-45



MAT 2125 Total kinematic kerma (high limit) 21-Sc-45  
 Cross Section -94.15 To 1990. %



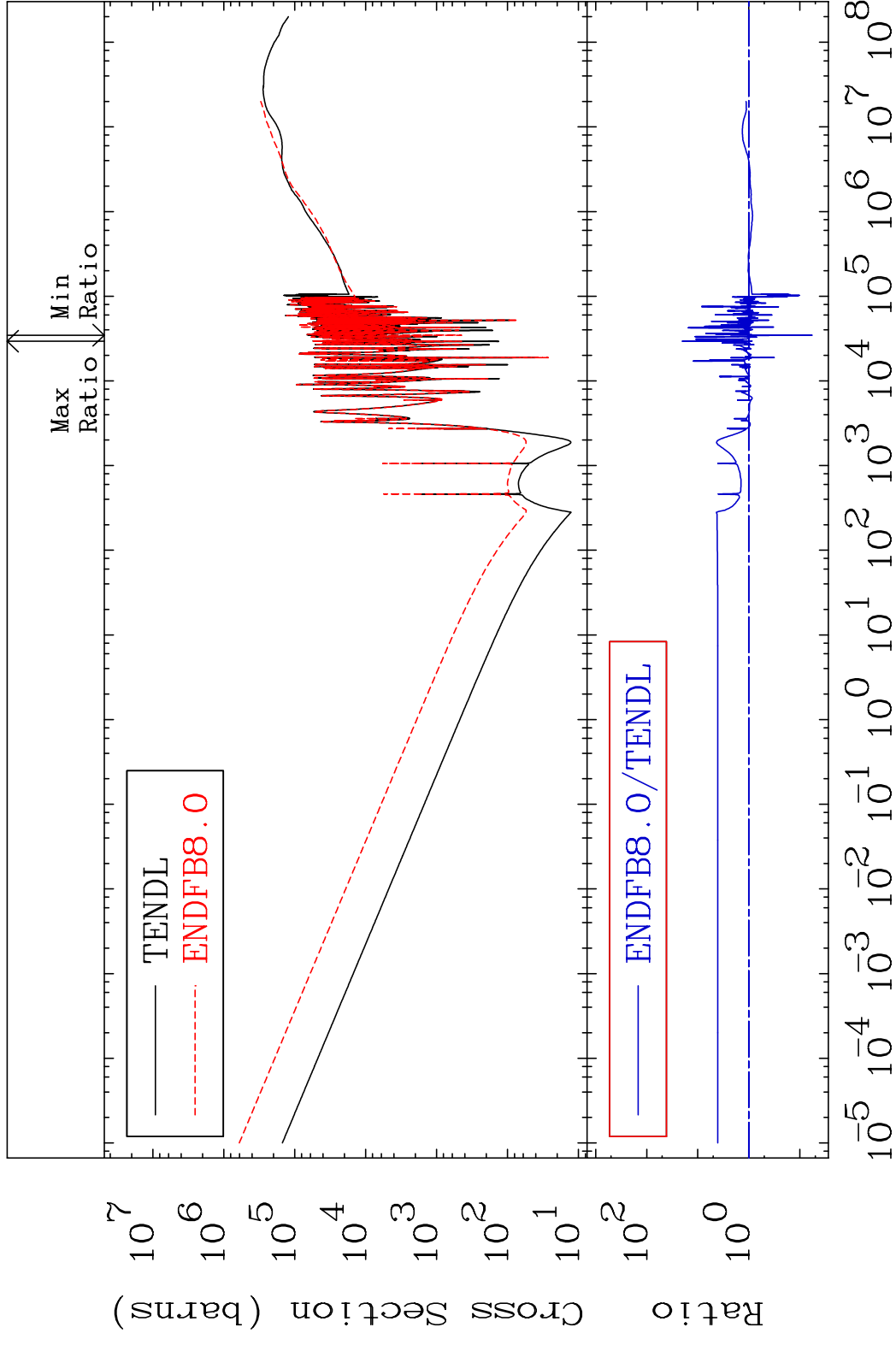
40 Incident Energy (eV) 21-Sc-45

MAT 2125

Dpa total (eV-barns)

21-Sc-45

Cross Section -94.35 To 1904. %



41

Incident Energy (eV)

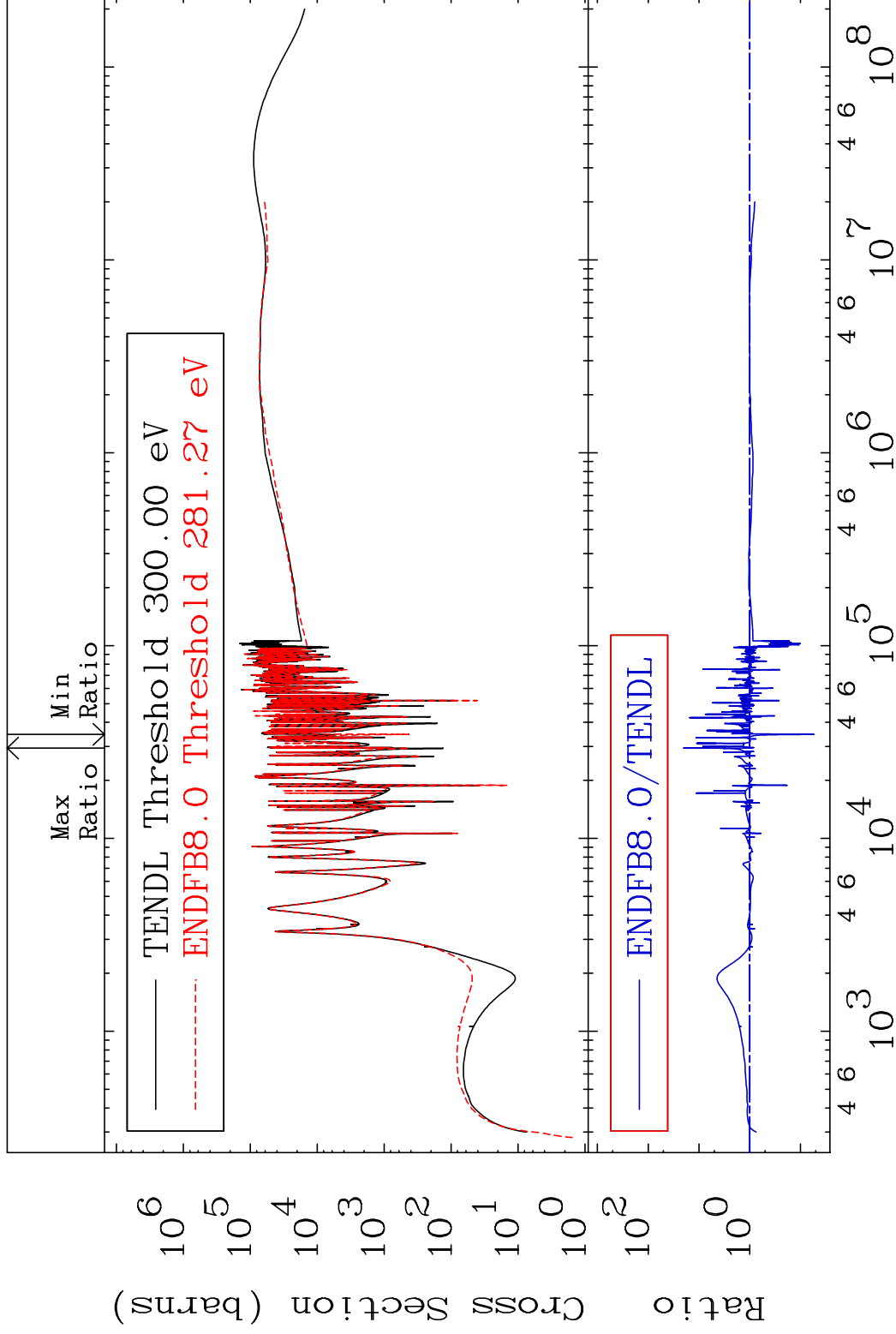
21-Sc-45

MAT 2125

Dpa elastic (mt2)

21-Sc-45

Cross Section -94.61 To 1901. %

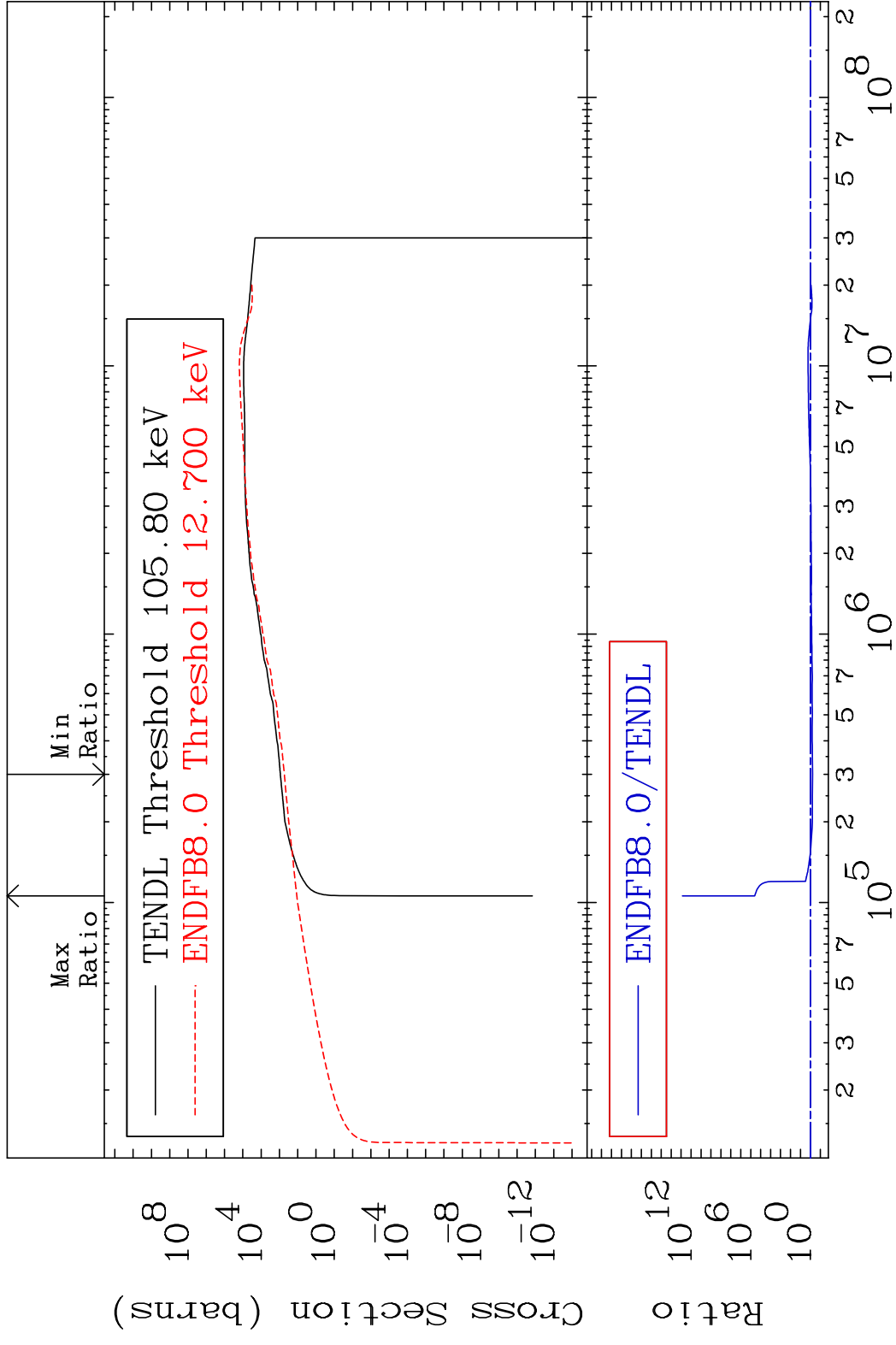


42

Incident Energy (eV)

21-Sc-45

MAT 2125 Dpa inelastic (mt51-91) 21-Sc-45  
 Cross Section -39.44 To 9999. %



MAT 2125 Dpa disappearance (mt102 -120) 21-Sc-45  
 Cross Section -98.98 To 9999. %

