

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

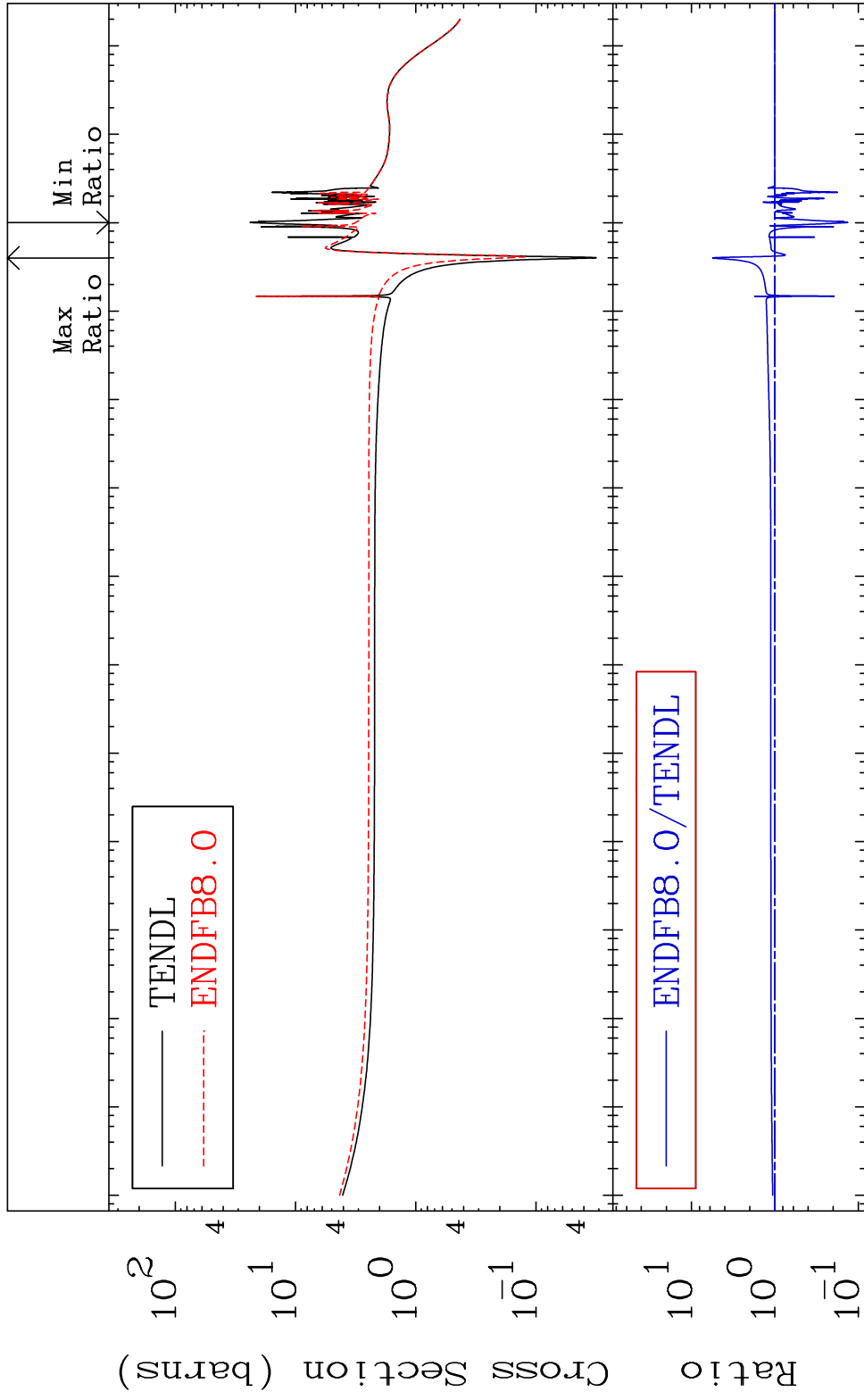
MAT 1025

Total

10-Ne-20

Cross Section

-86.84 To 462.3 %



1

Incident Energy (eV)

10-Ne-20

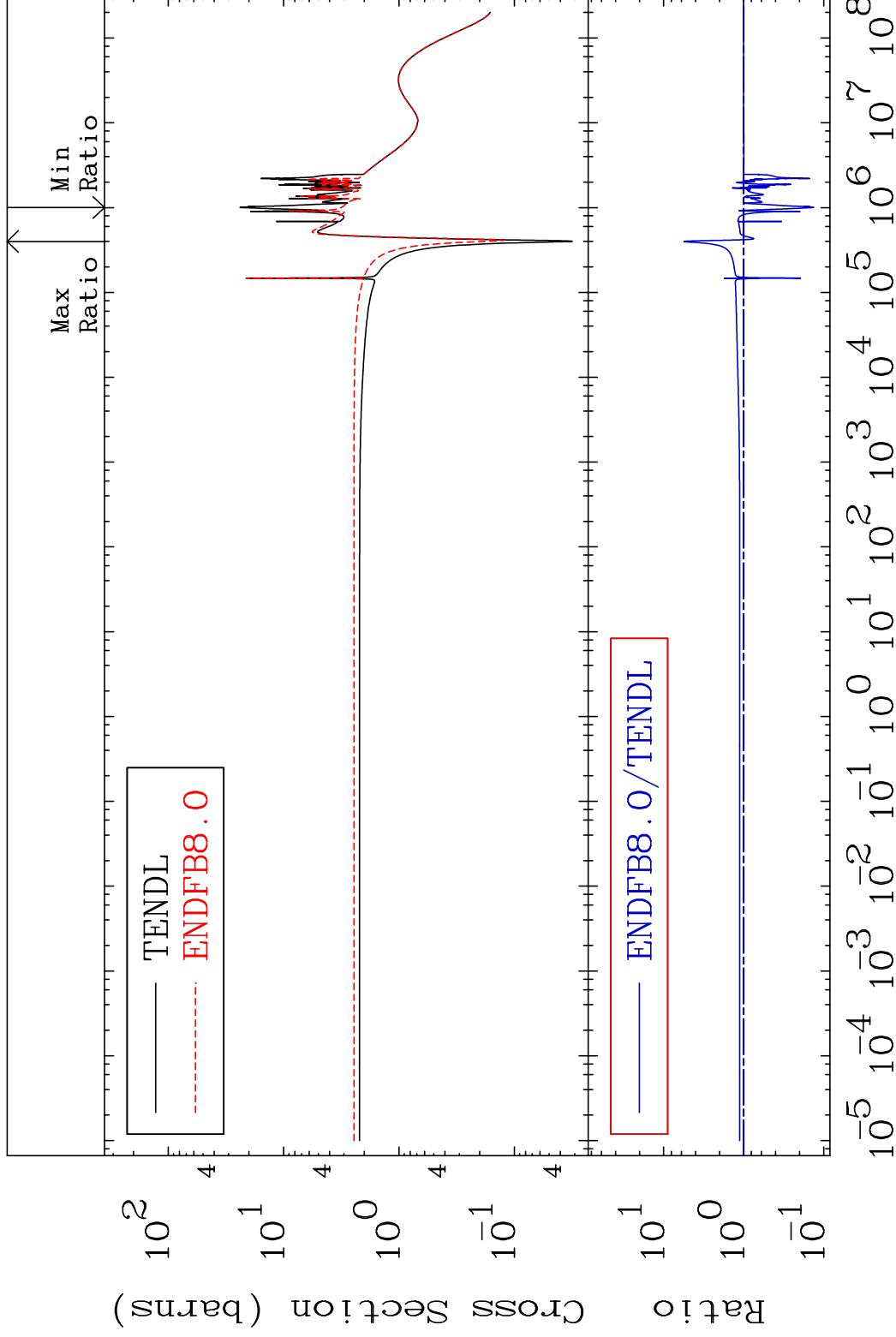
MAT 1025

Elastic

10-Ne-20

Cross Section

-86.84 To 462.7 %

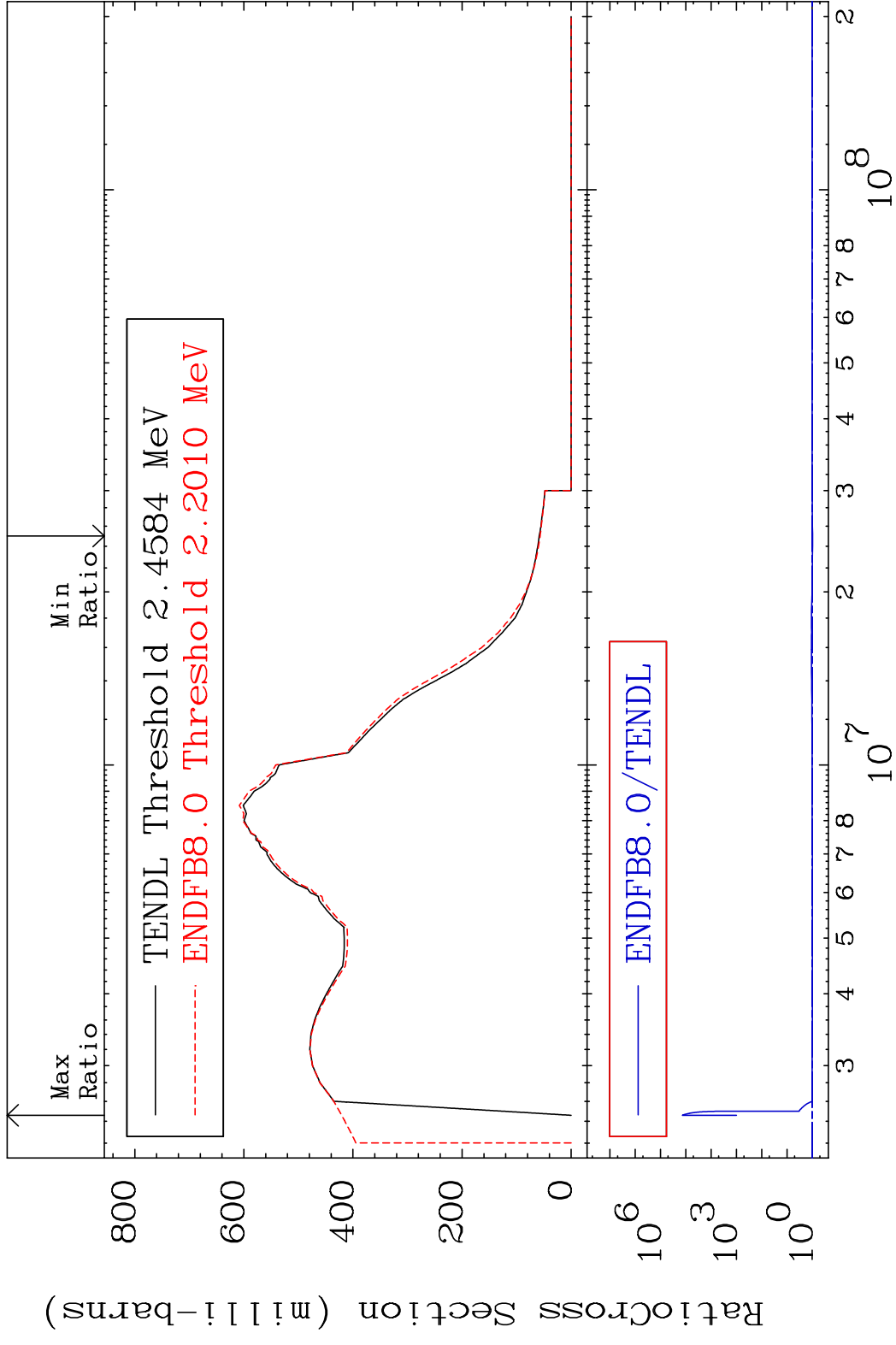


2

Incident Energy (eV)

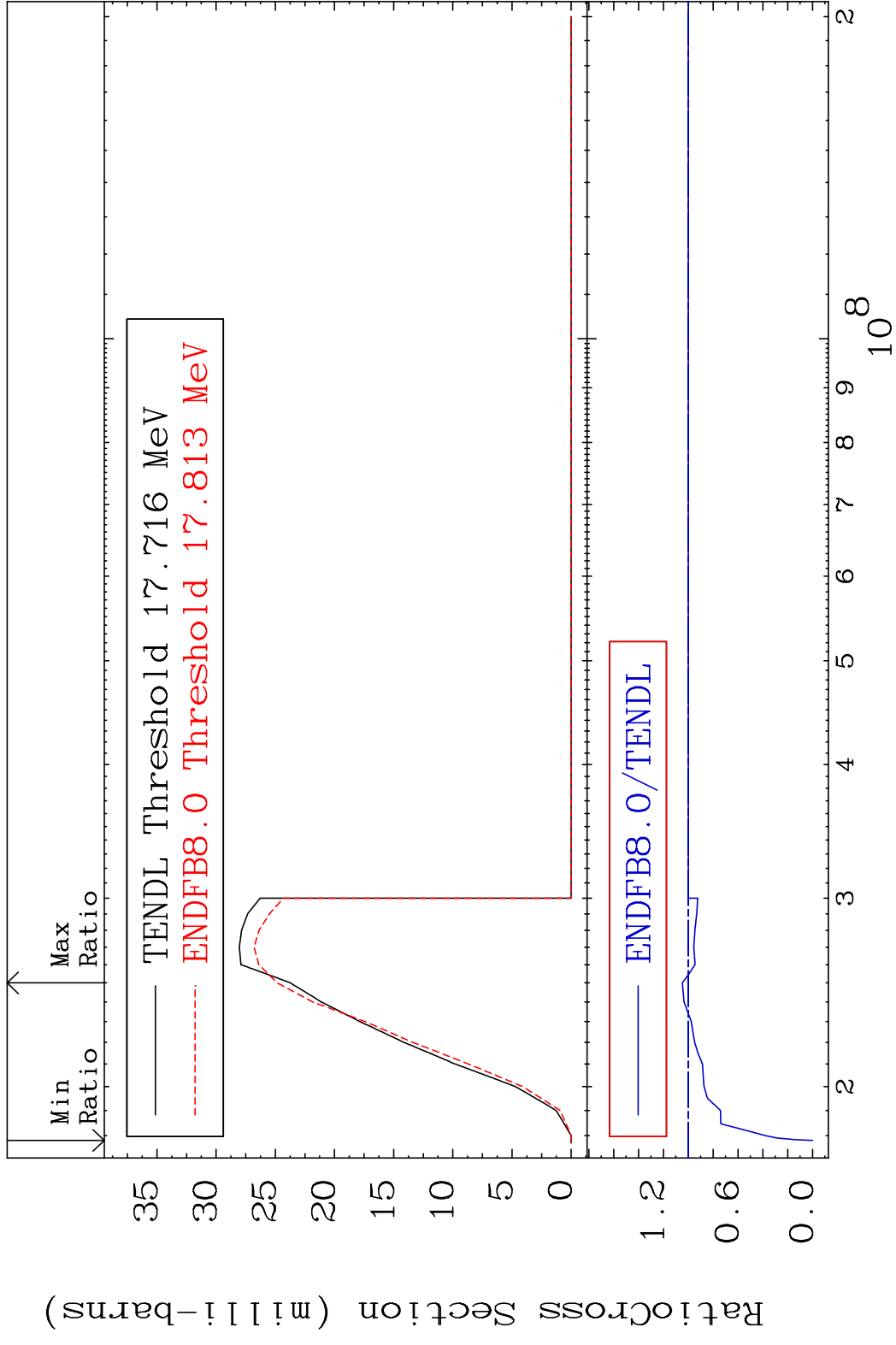
10-Ne-20

MAT 1025 Inelastic 10-Ne-20
 Cross Section -2.828 To 9999. %

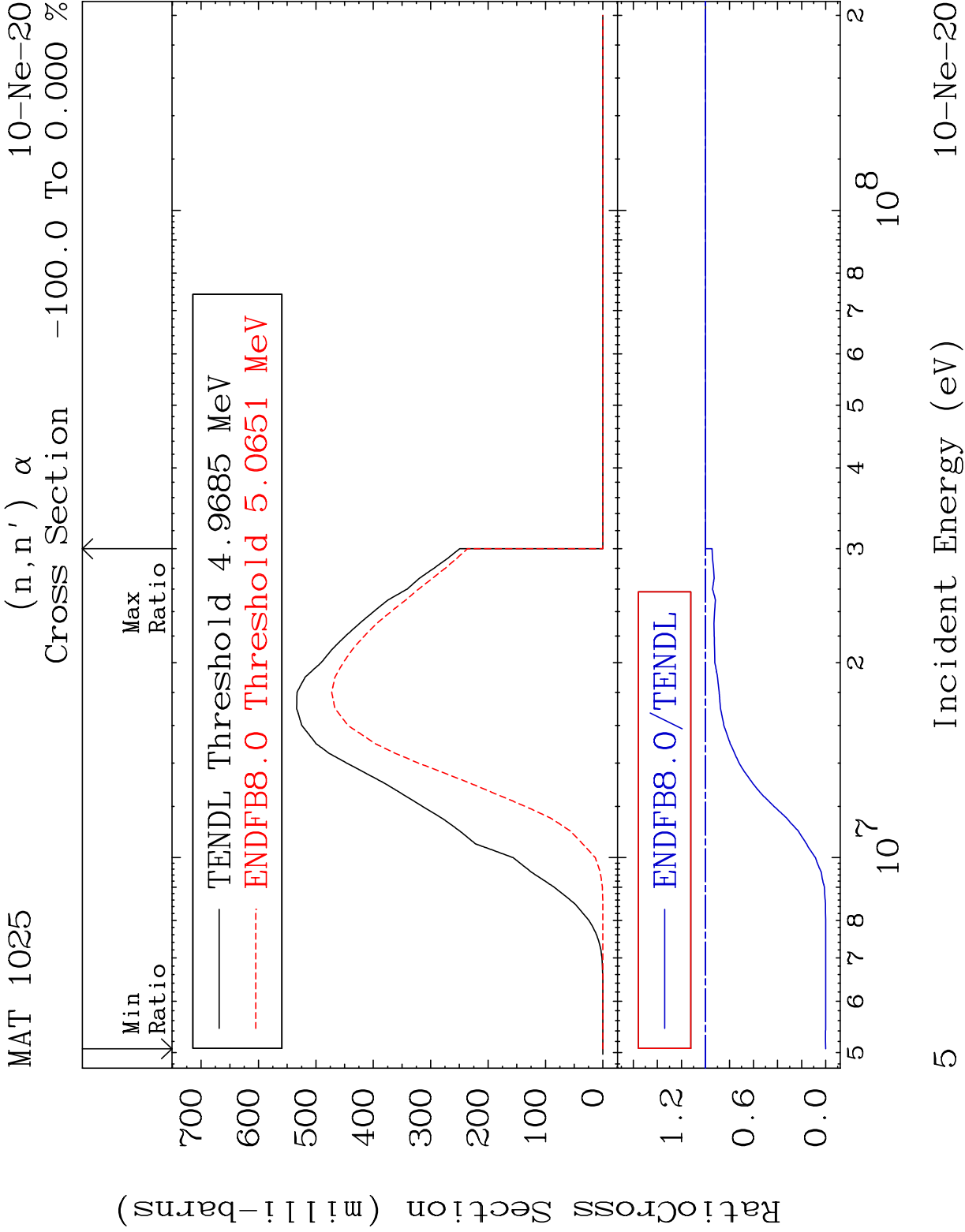


3 Incident Energy (eV) 10-Ne-20

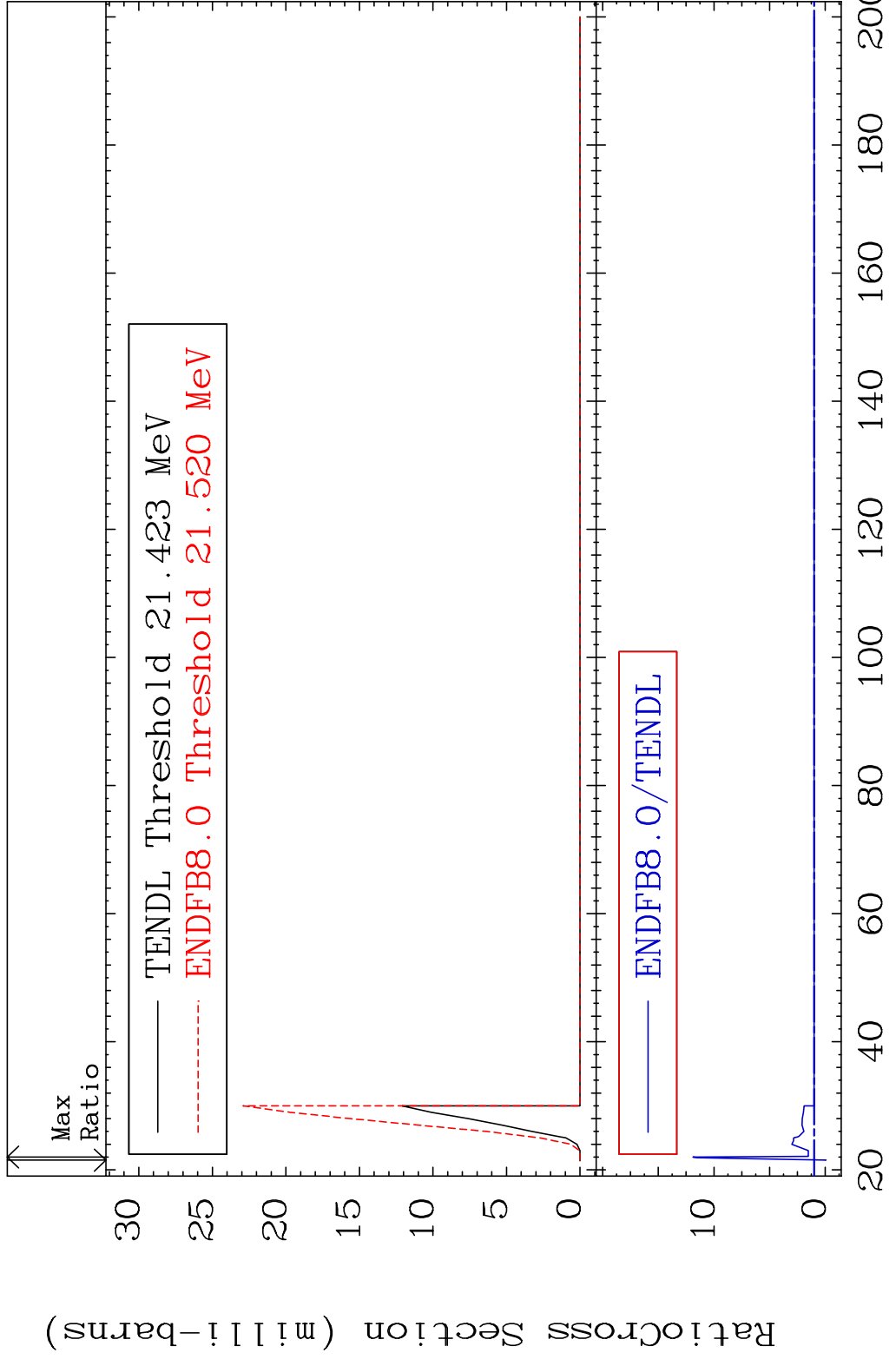
MAT 1025 (n,2n) 10-Ne-20
 Cross Section -100.0 To 4.772 %



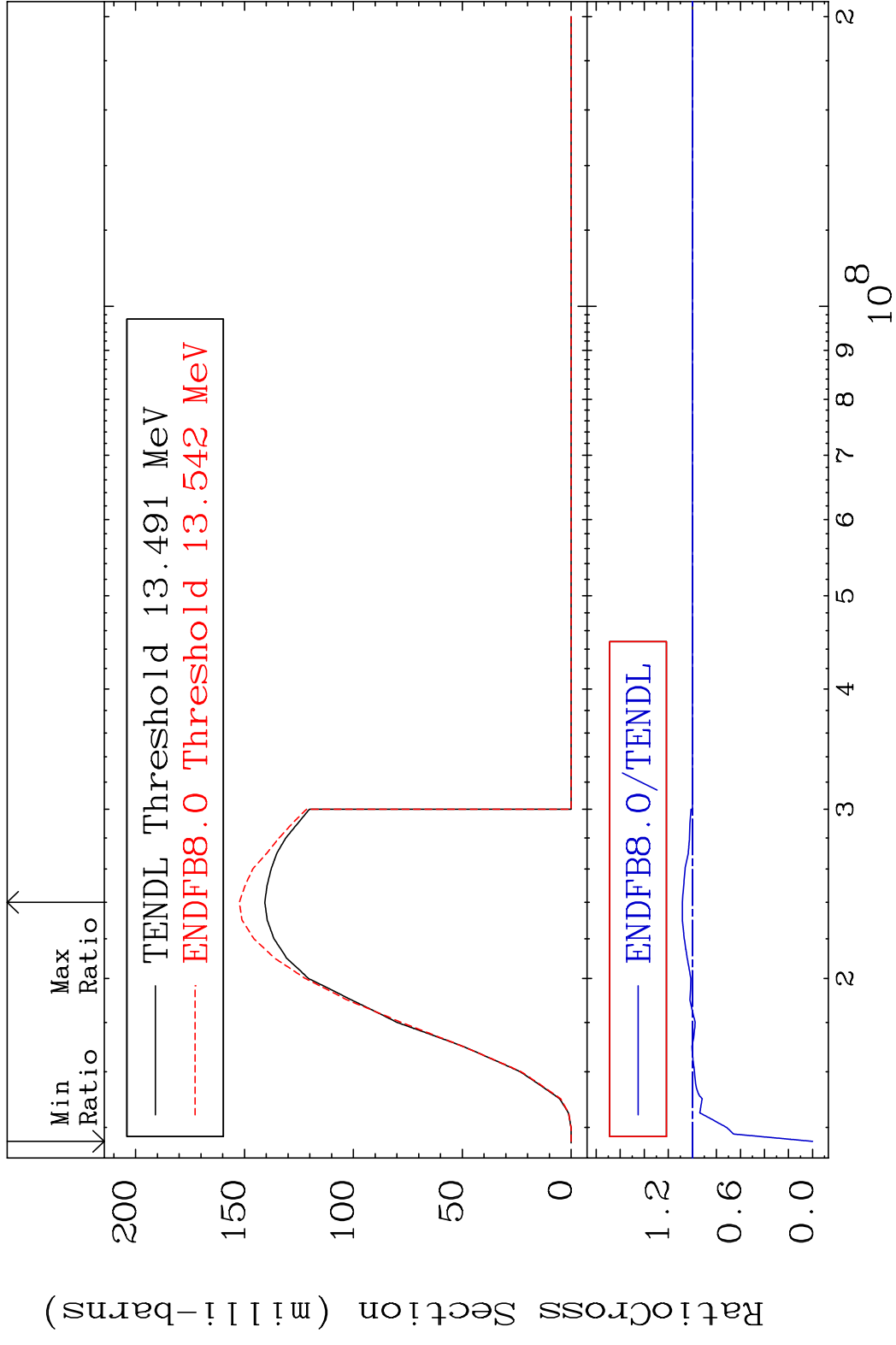
4 Incident Energy (eV) 10-Ne-20



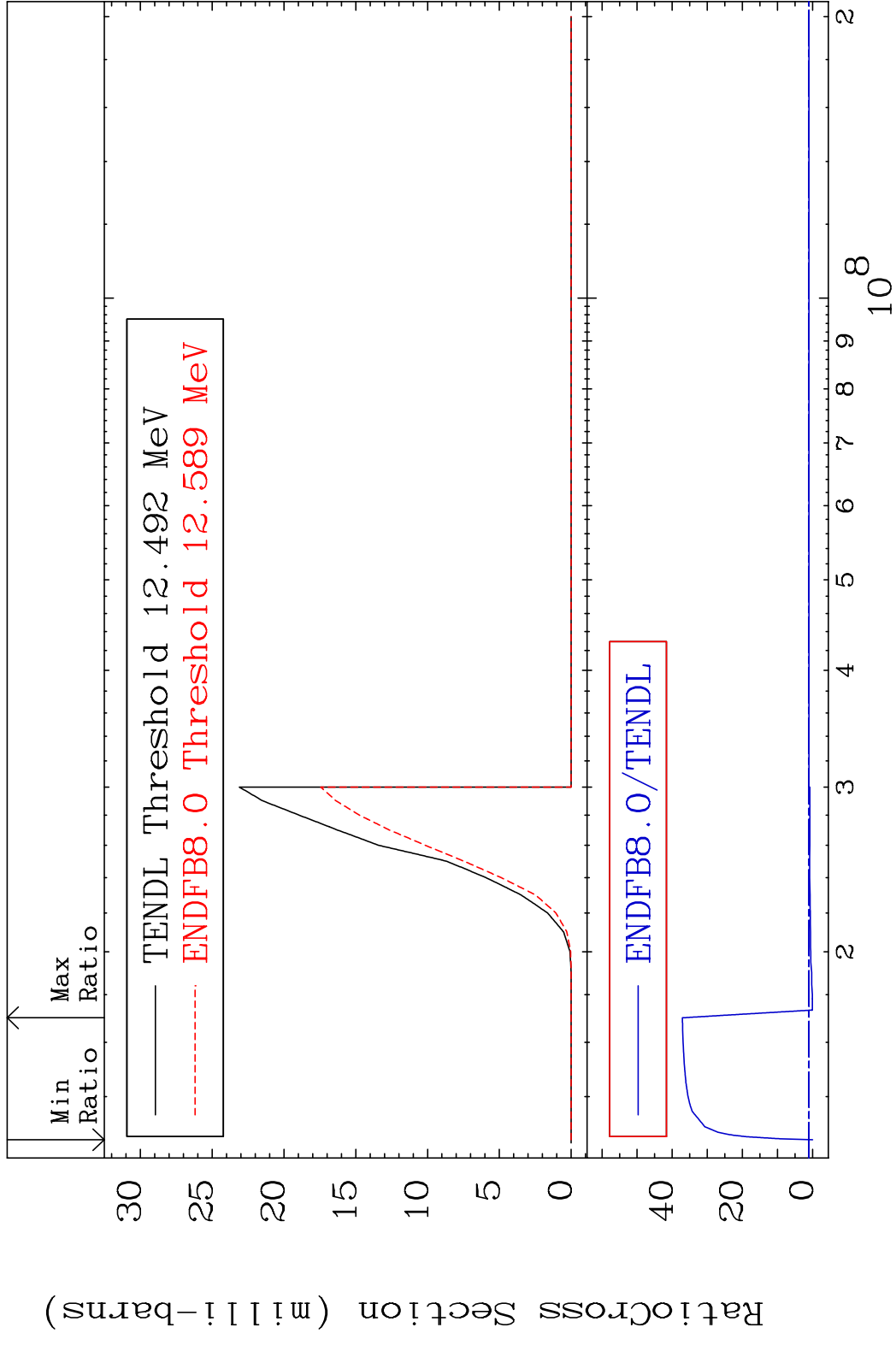
MAT 1025 (n,2n) α 10-Ne-20
 Cross Section -100.0 To 1089. %



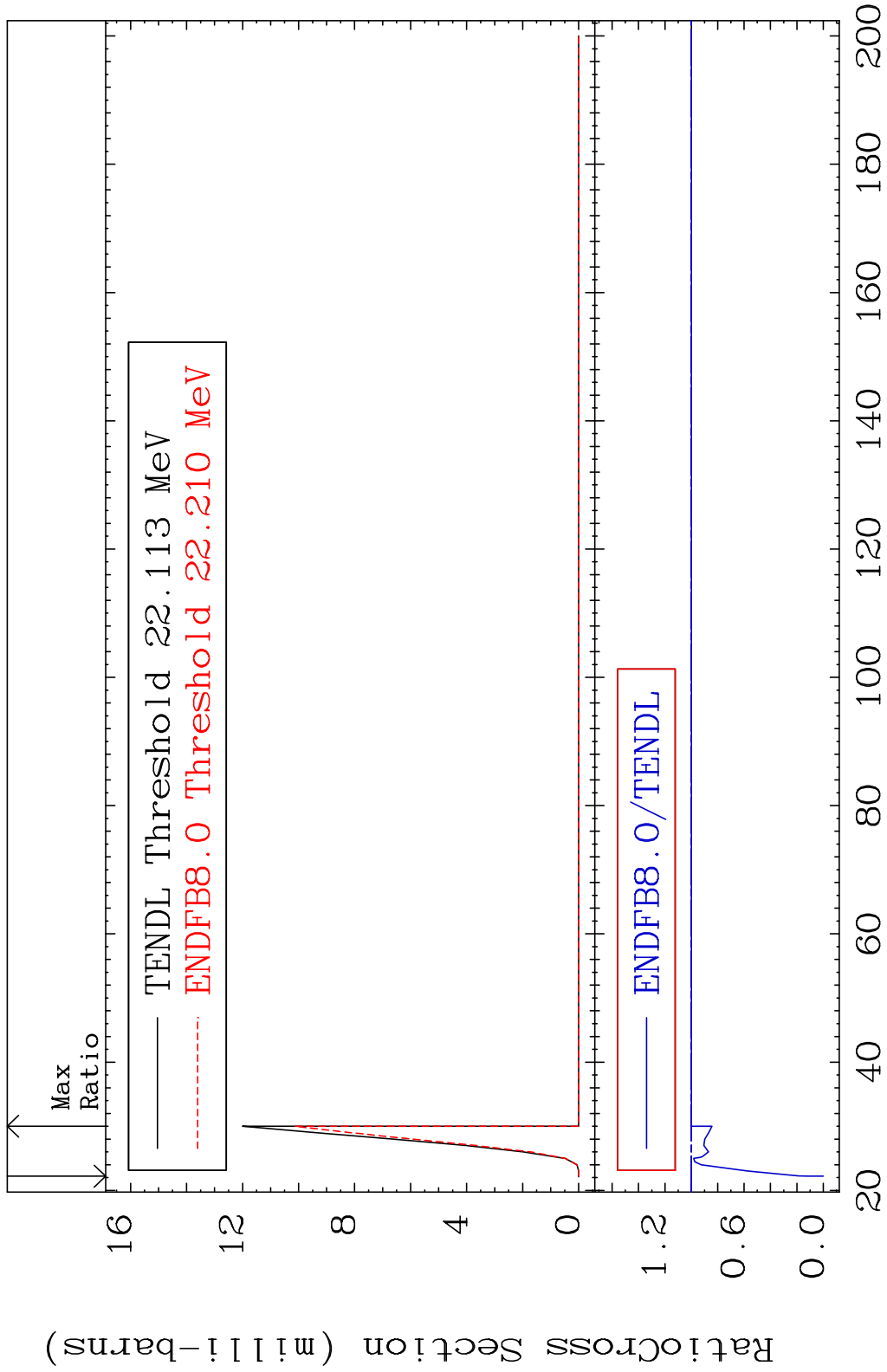
MAT 1025 (n, n') p 10-Ne-20
 Cross Section -100.0 To 8.325 %



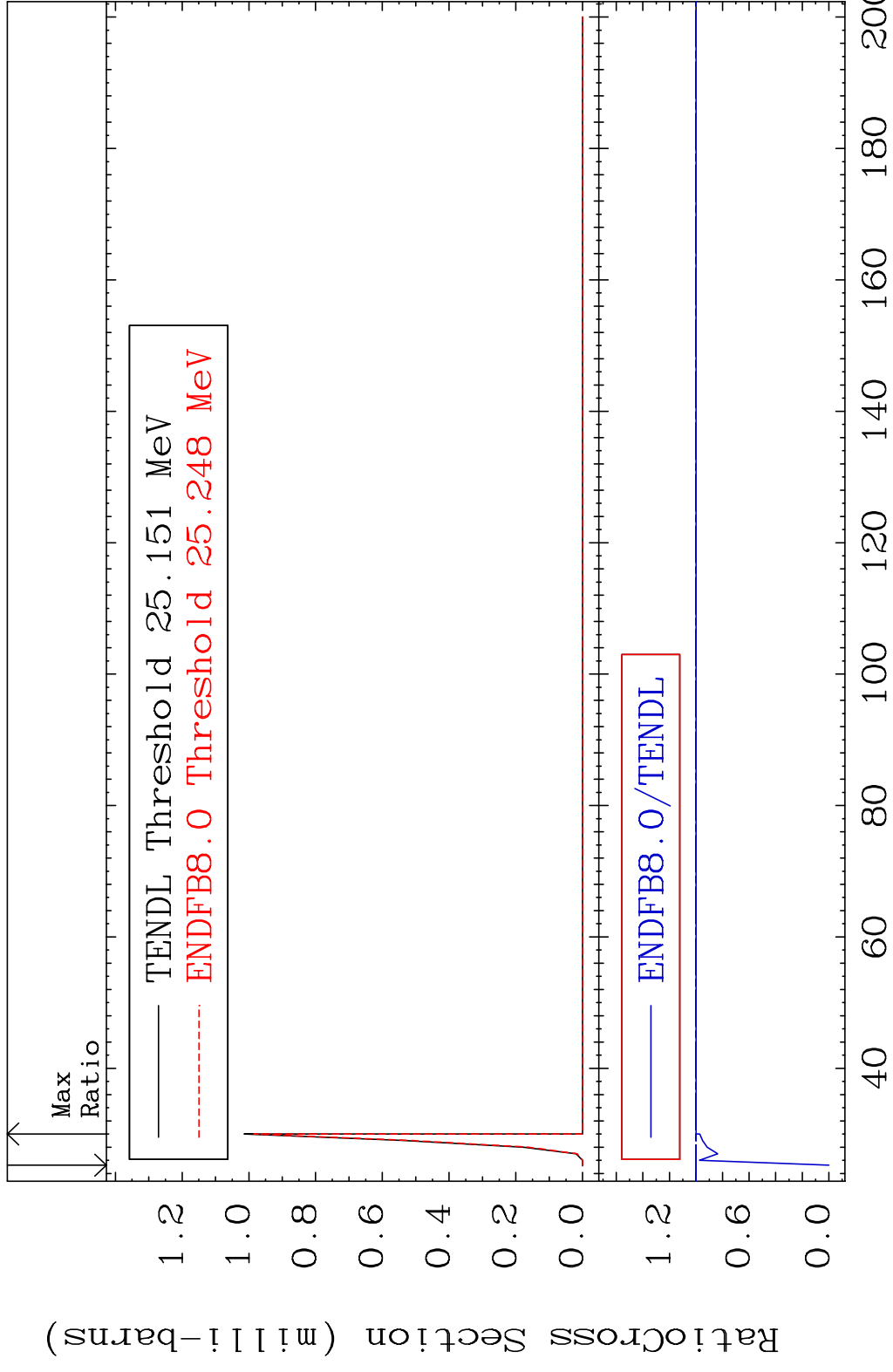
MAT 1025 (n, n') 2α 10-Ne-20
 Cross Section -100.0 To 3611. %



MAT 1025 (n, n') d 10-Ne-20
 Cross Section -100.0 To 0.000 %

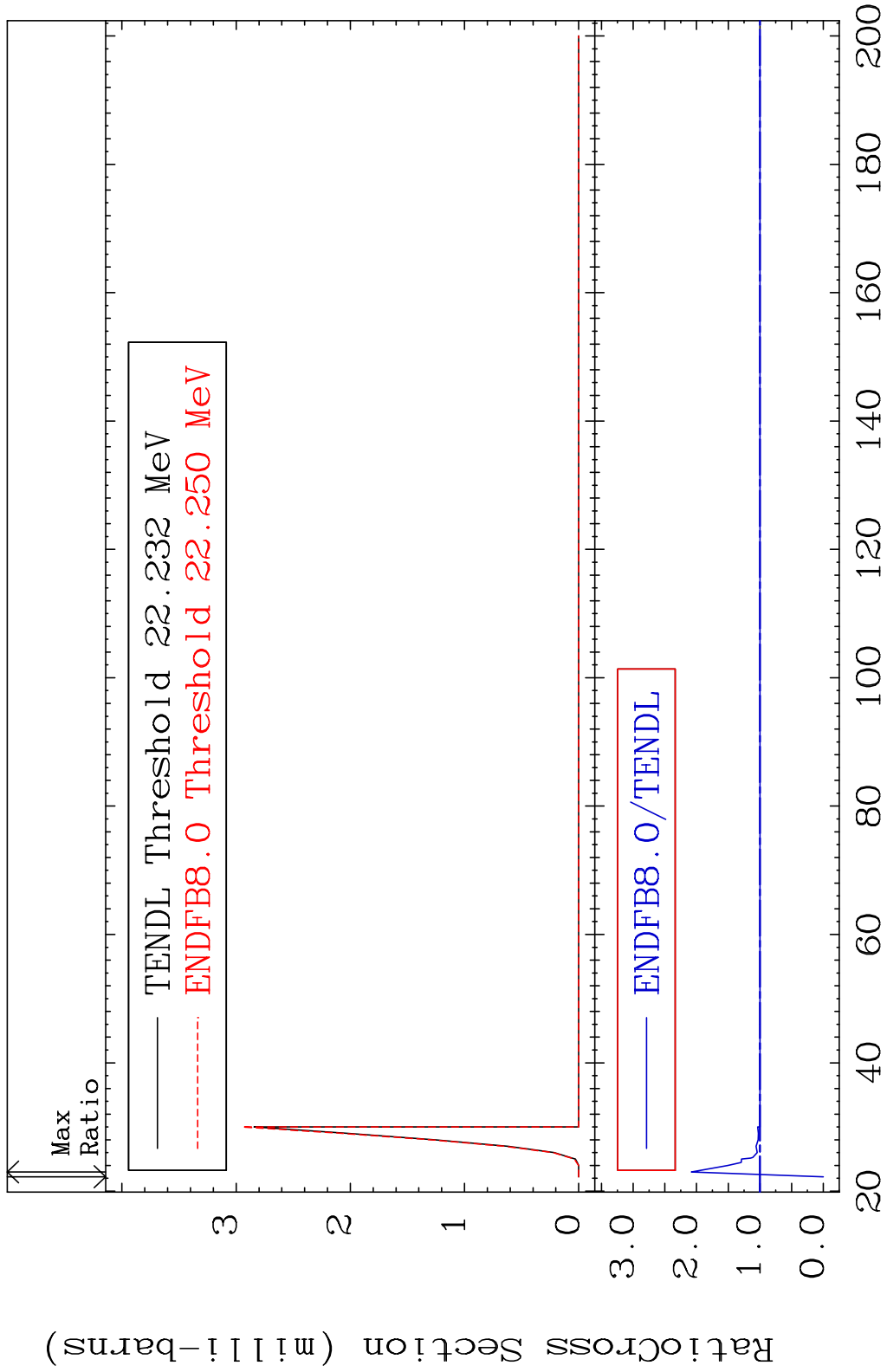


MAT 1025 (n, n') t 10-Ne-20
Cross Section -100.0 To 0.000 %

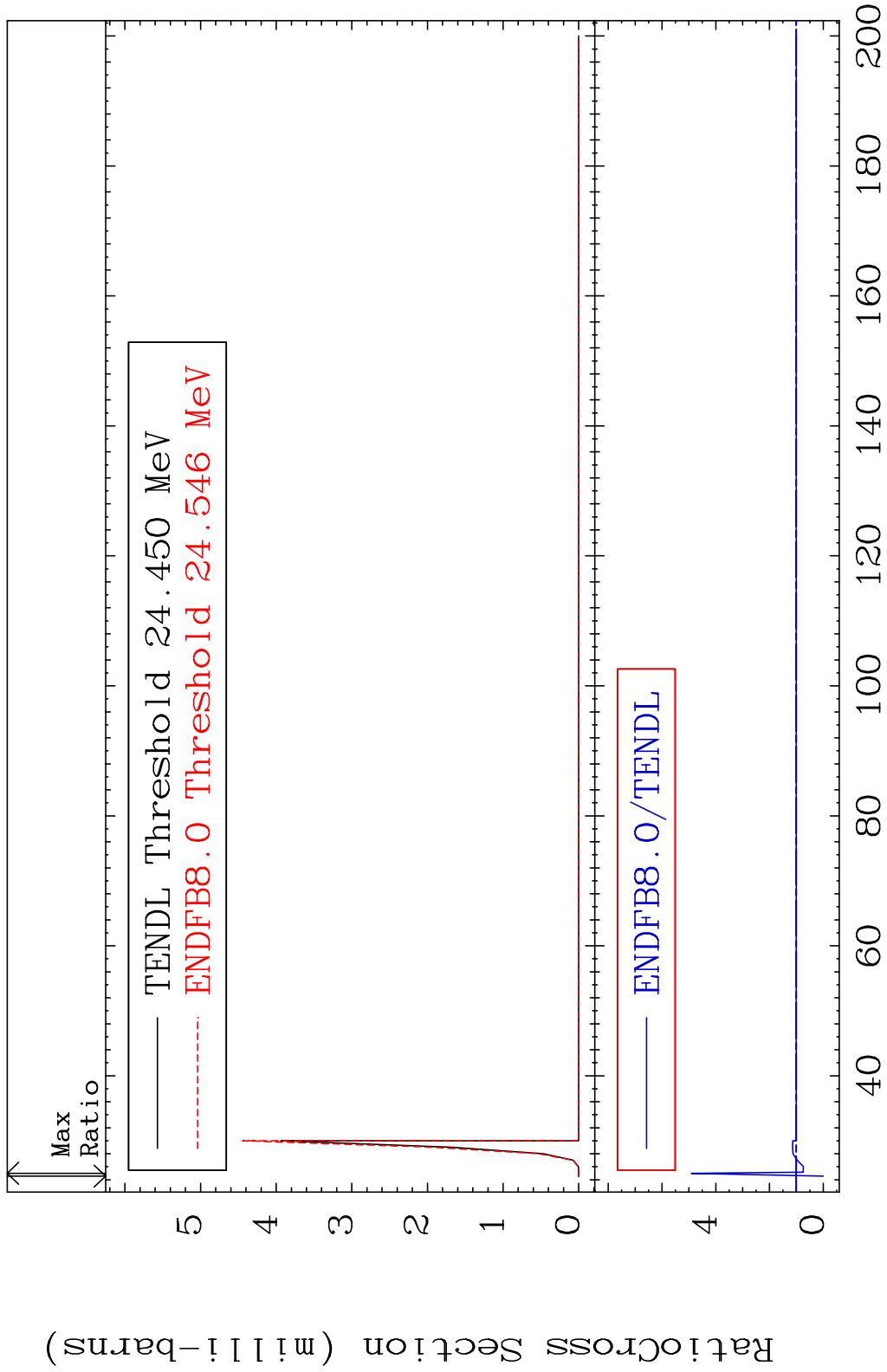


10 10-Ne-20

MAT 1025 (n,n') He-3 10-Ne-20
 Cross Section -100.0 To 108.3 %

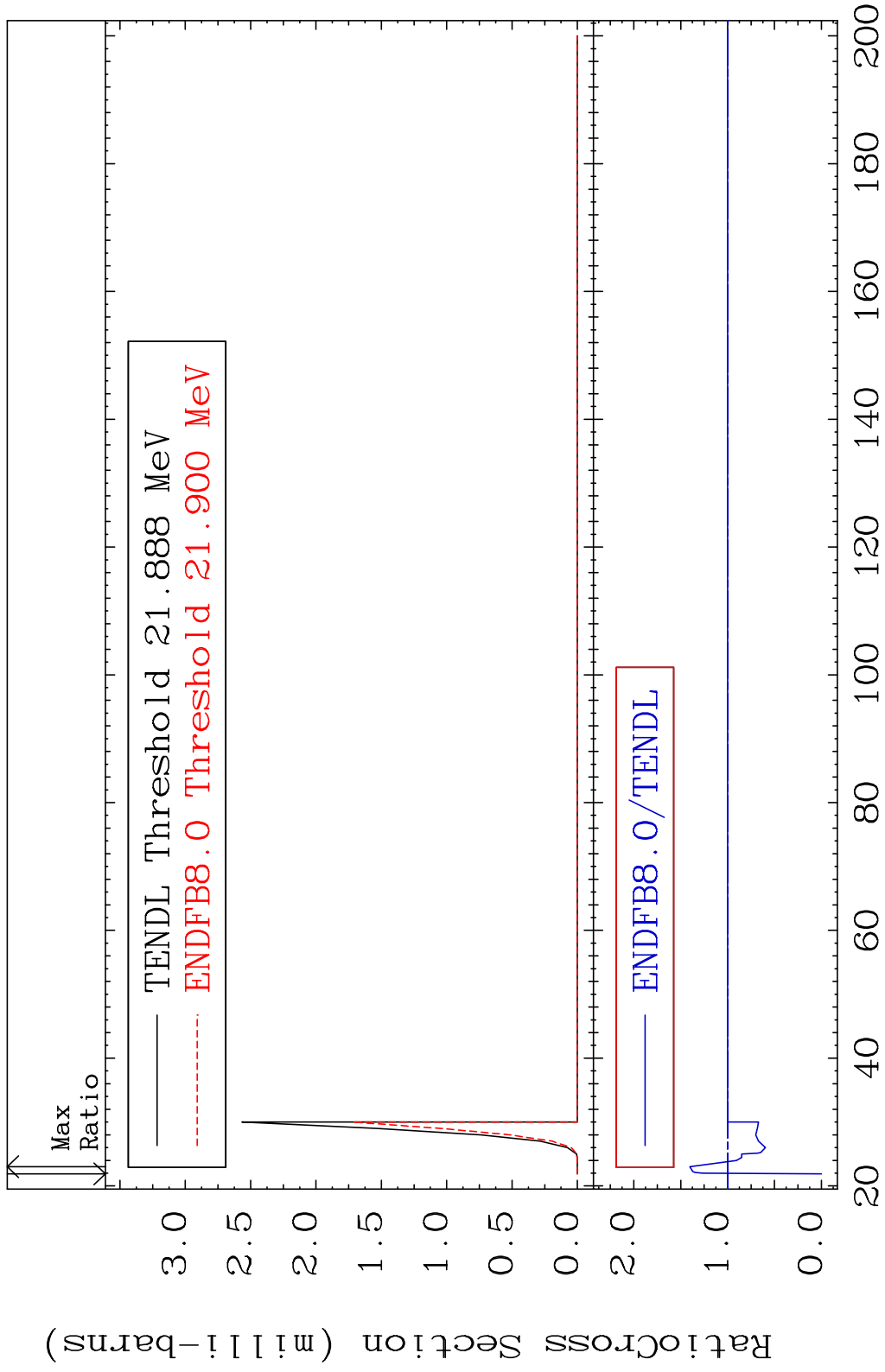


MAT 1025 (n,2n) p 10-Ne-20
Cross Section -100.0 To 390.9 %

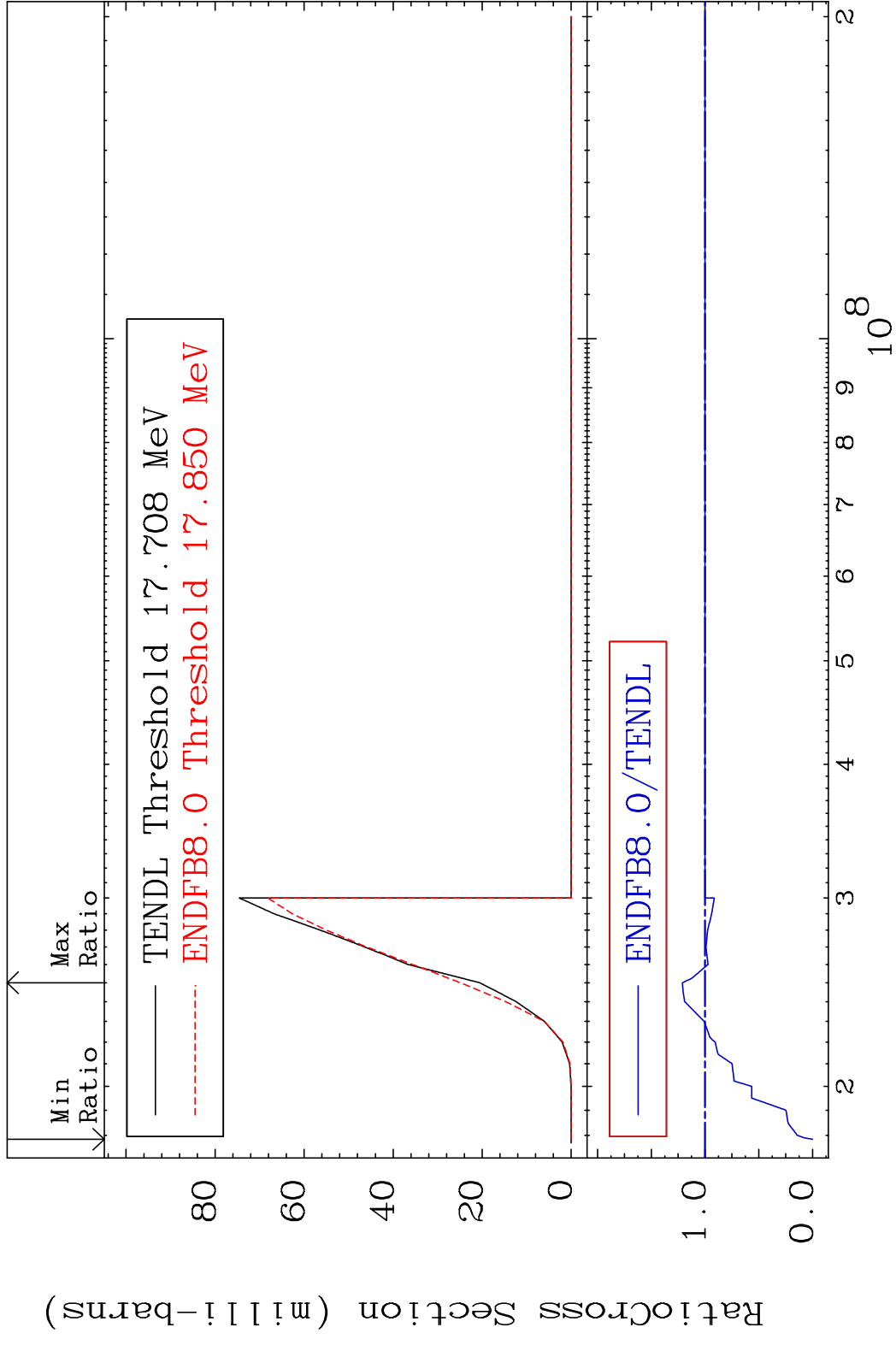


12 Incident Energy (MeV) 10-Ne-20

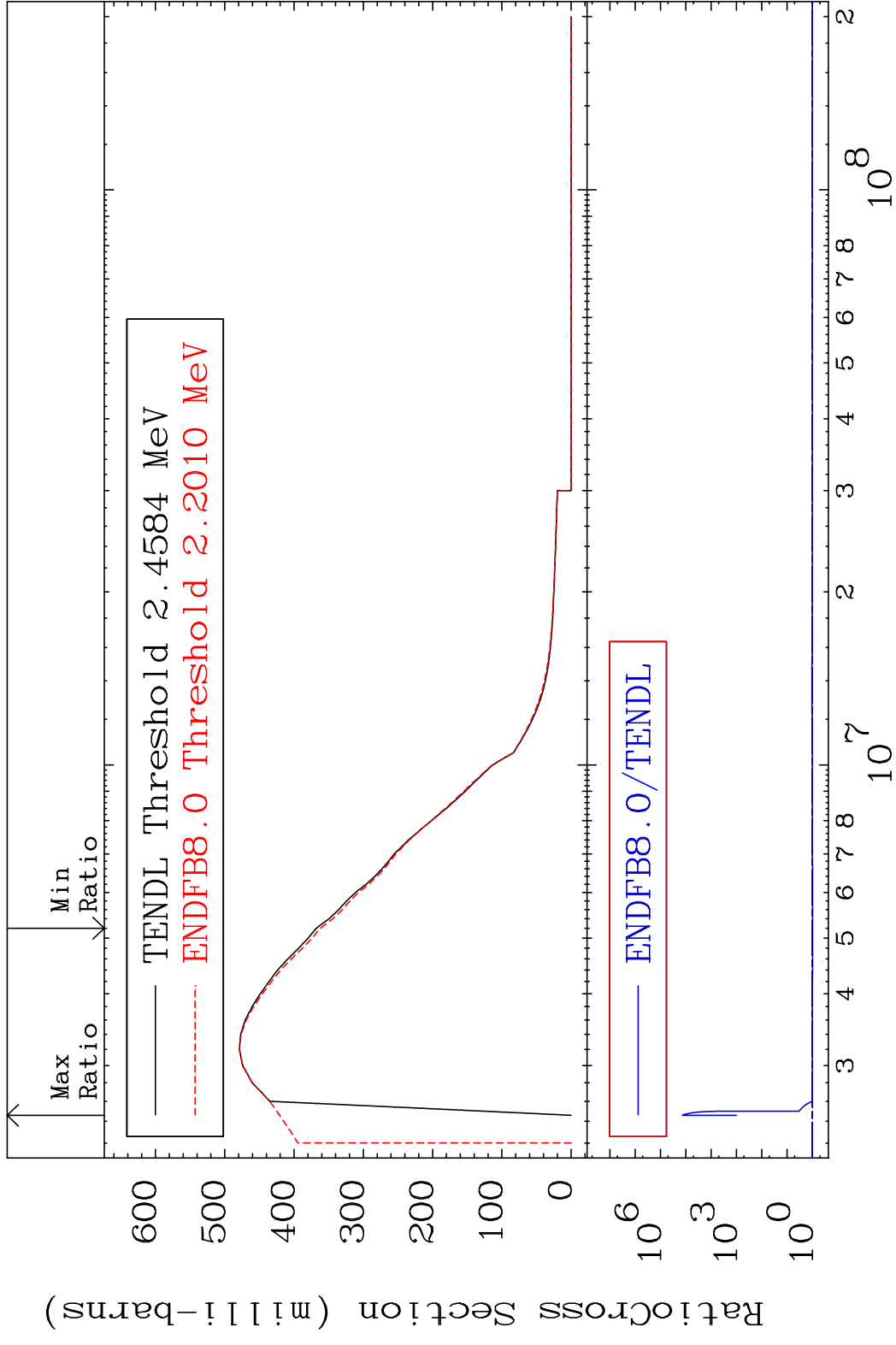
MAT 1025 (n,2n) p 10-Ne-20
 Cross Section -100.0 To 40.34 %



MAT 1025 (n,n') p α 10-Ne-20
 Cross Section -100.0 To 21.10 %

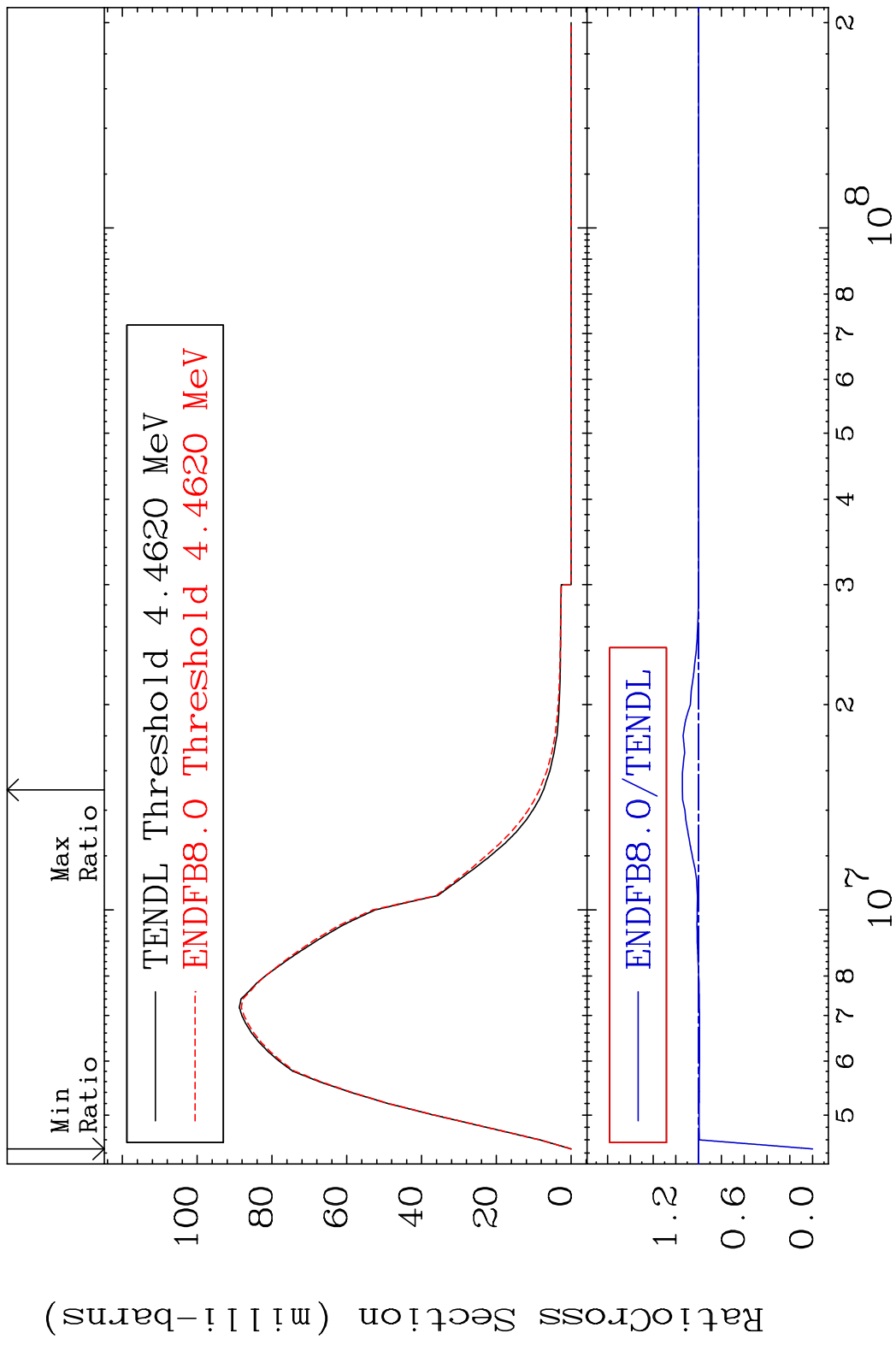


MAT 1025 MT= 51 (n,n') Level 10-Ne-20
 Cross Section -1.614 To 9999. %

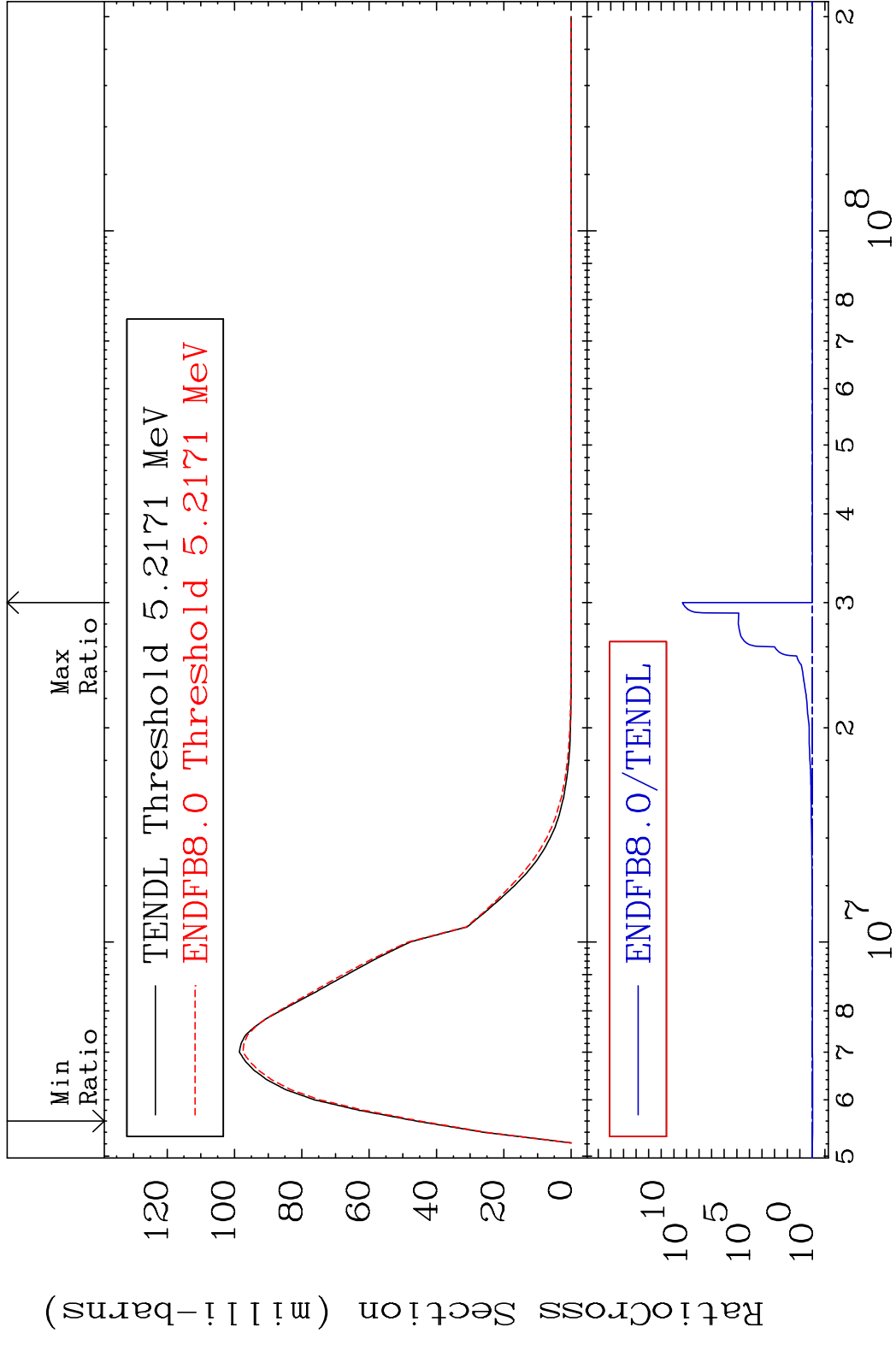


15 Incident Energy (eV) 10-Ne-20

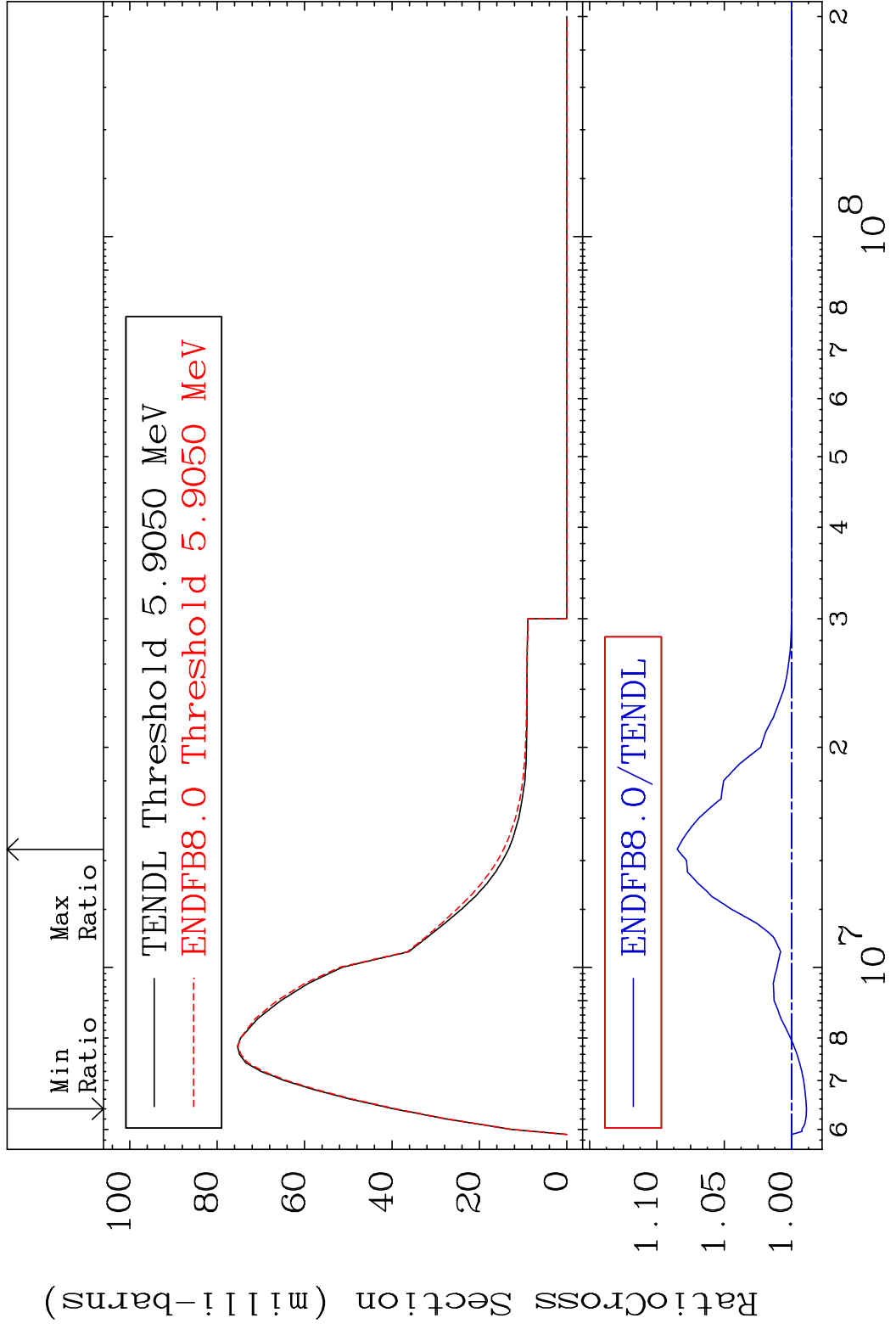
MAT 1025 MT= 52 (n, n') Level 10-Ne-20
 Cross Section -100.0 To 14.32 %



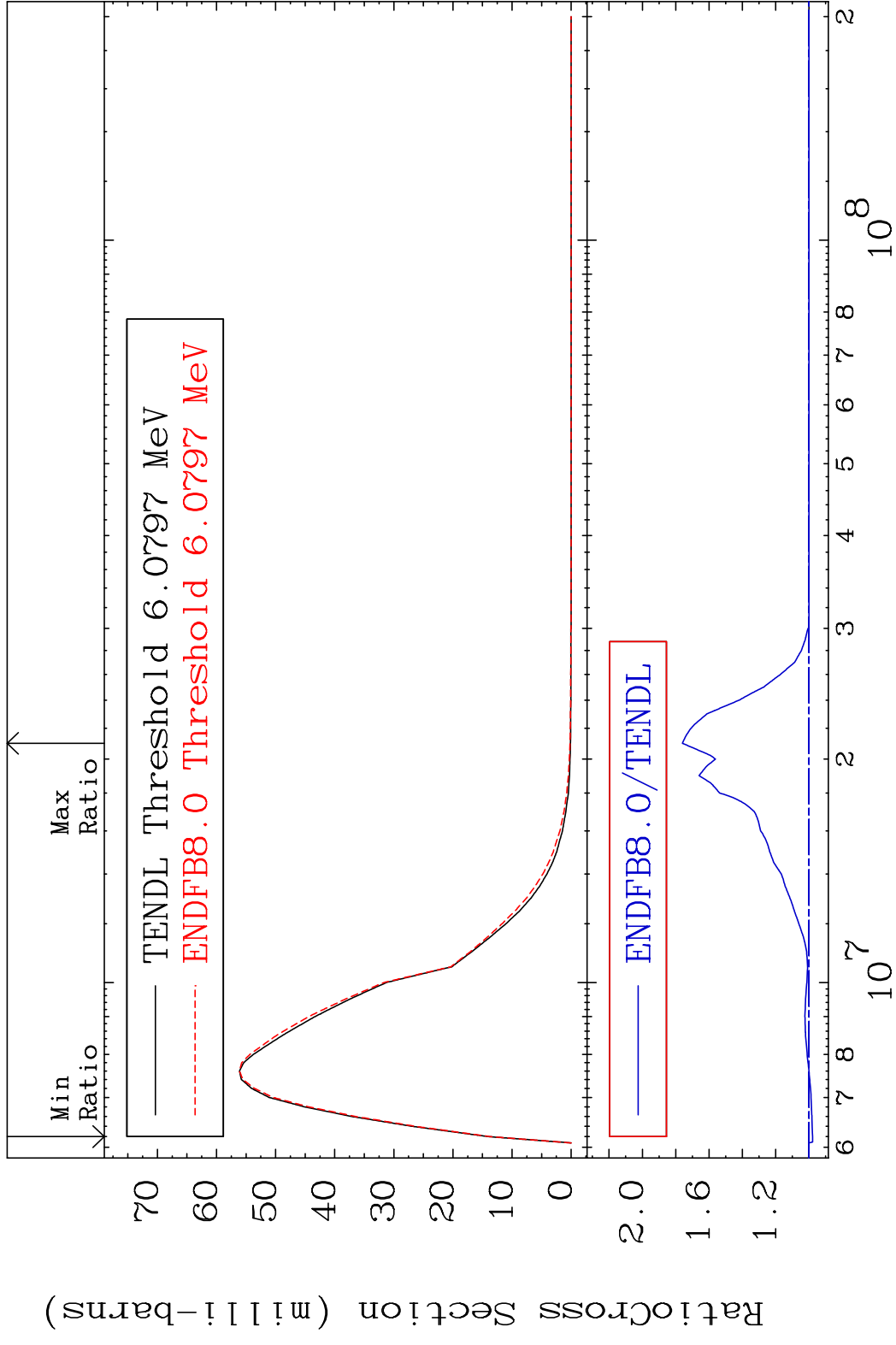
MAT 1025 MT= 53 (n,n') Level 10-Ne-20
 Cross Section -2.286 To 9999. %



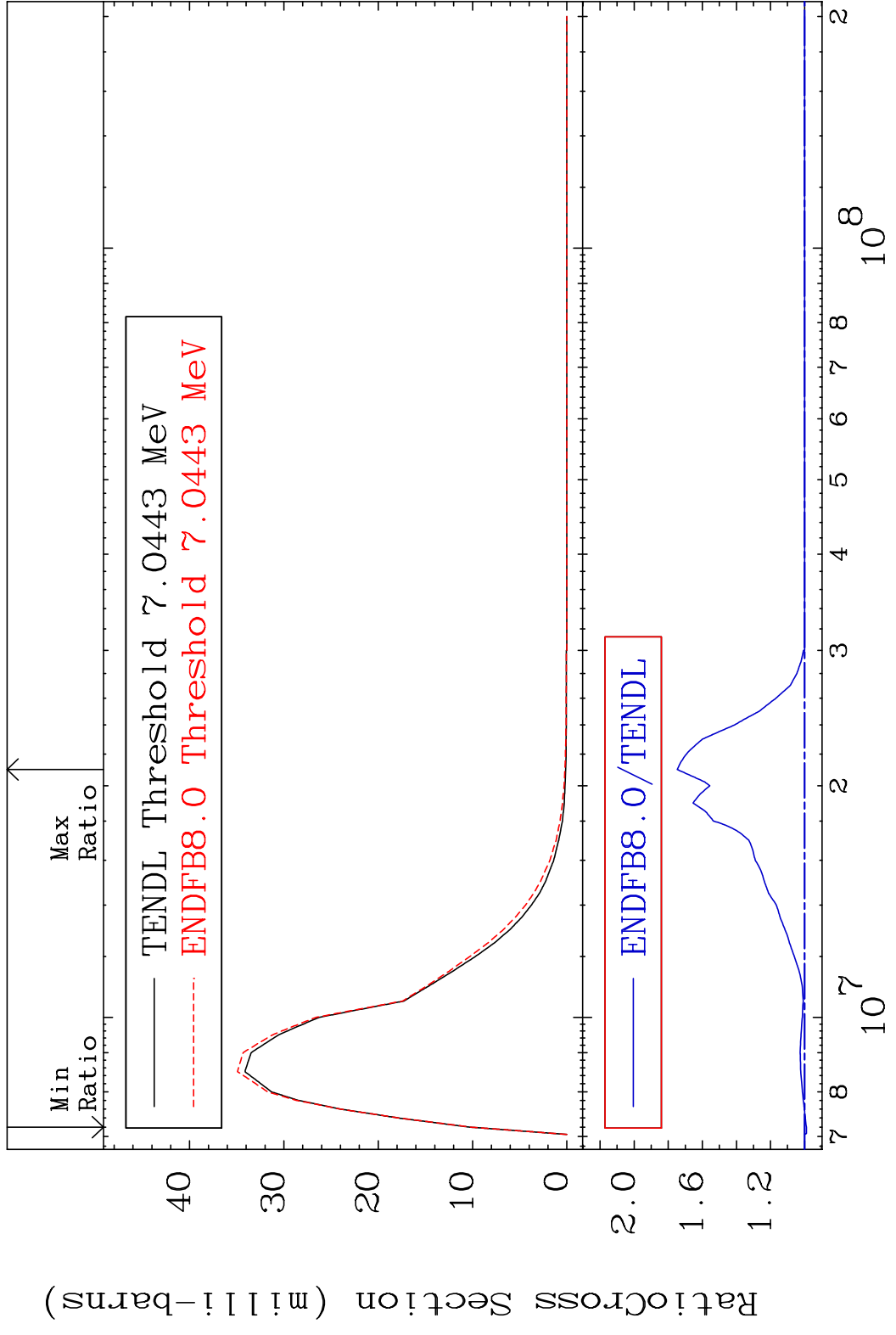
MAT 1025 MT= 54 (n,n') Level 10-Ne-20
 Cross Section -1.097 To 8.496 %



MAT 1025 MT= 55 (n,n') Level 10-Ne-20
 Cross Section -2.133 To 76.00 %

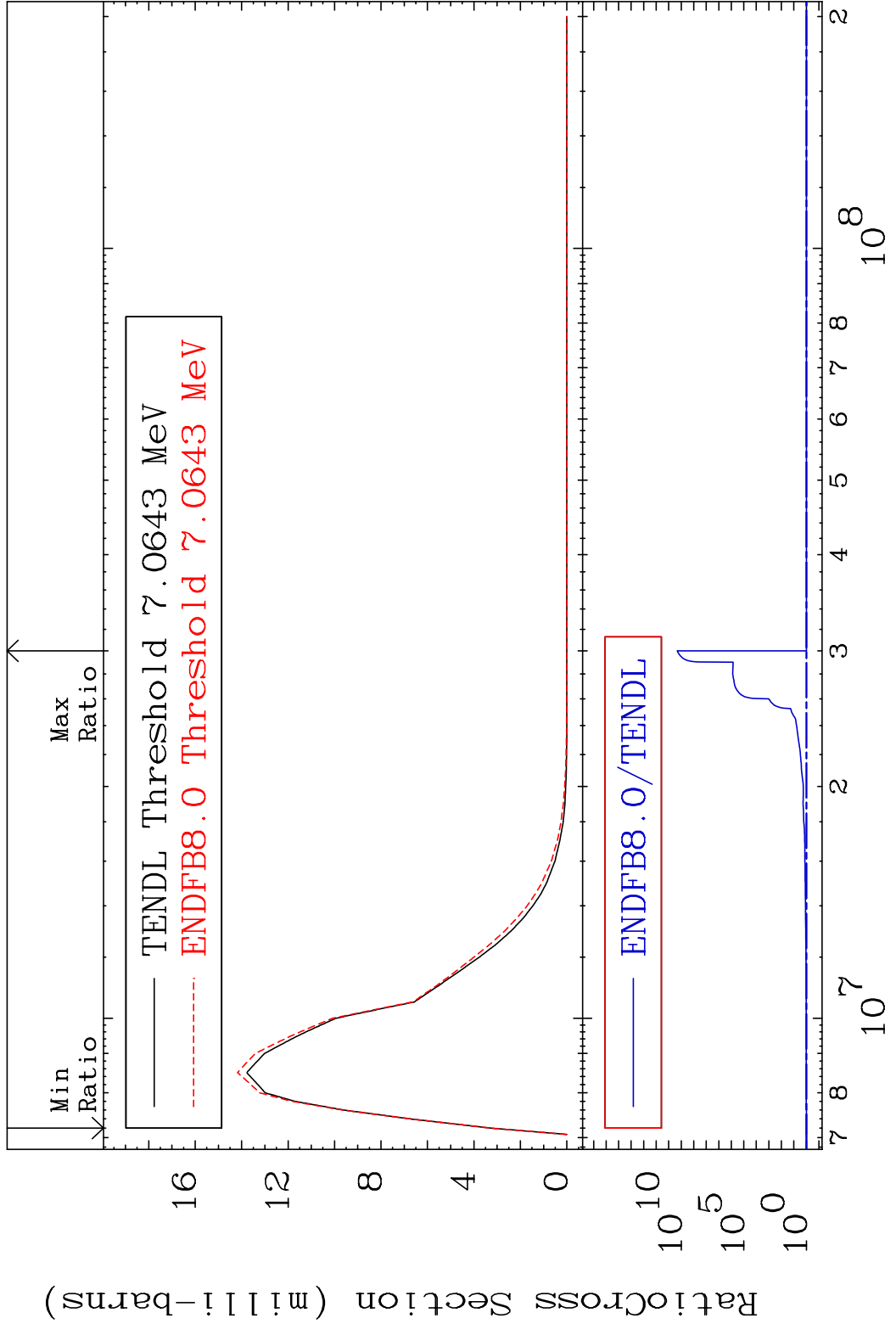


MAT 1025 MT= 56 (n,n') Level 10-Ne-20
 Cross Section -1.059 To 74.74 %

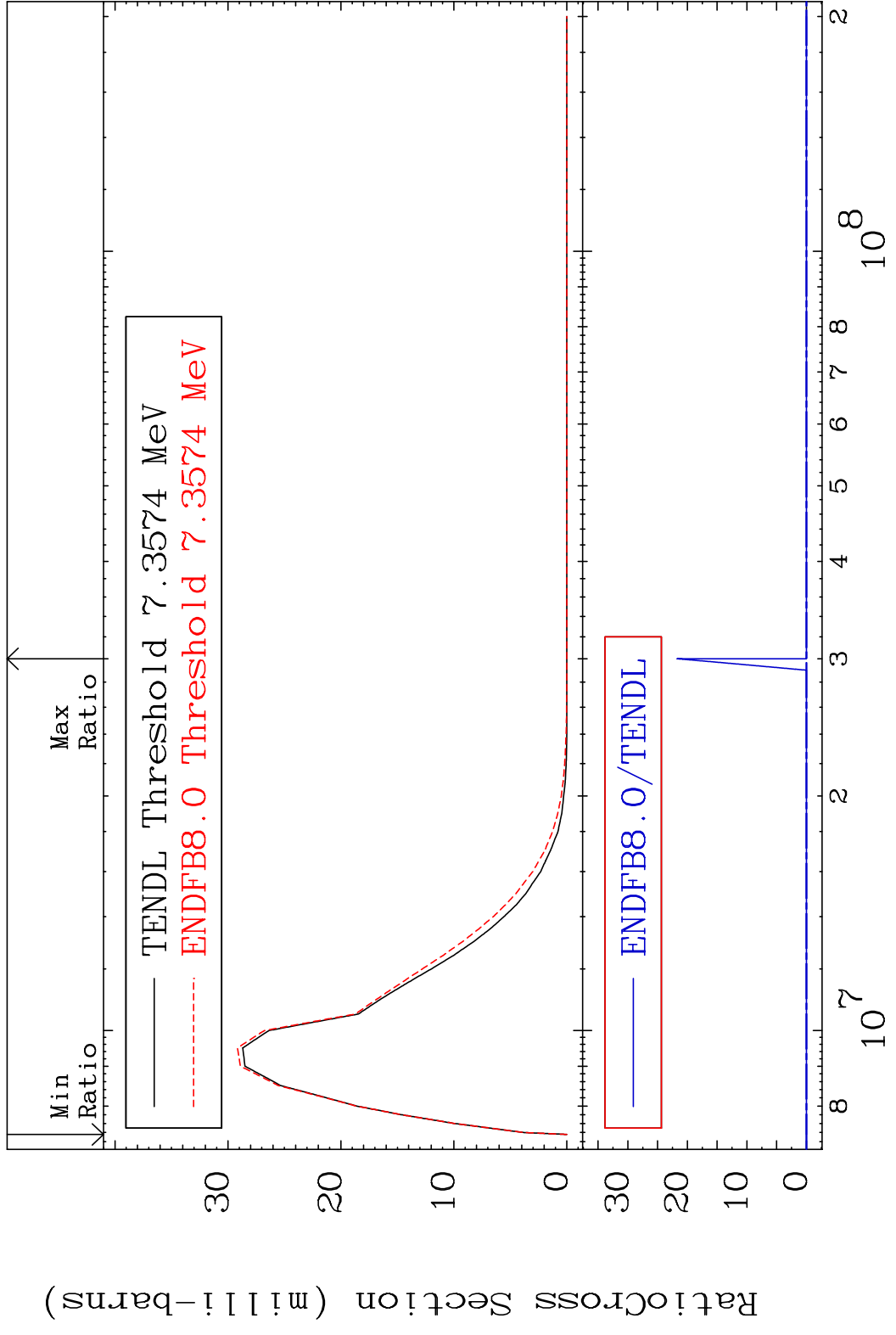


20 10⁷ 10⁸ 2

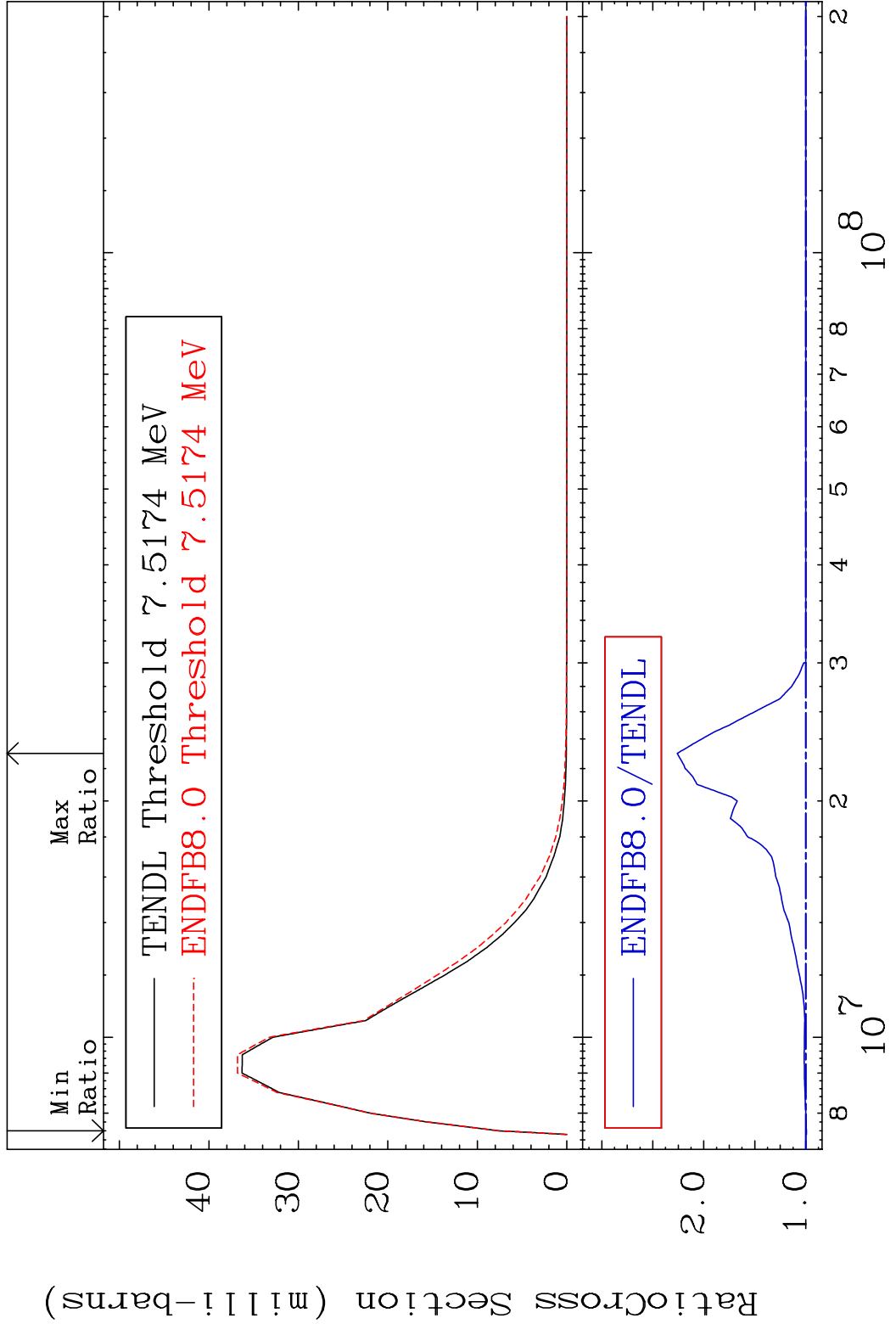
MAT 1025 MT= 57 (n,n') Level 10-Ne-20
 Cross Section -0.430 To 9999. %



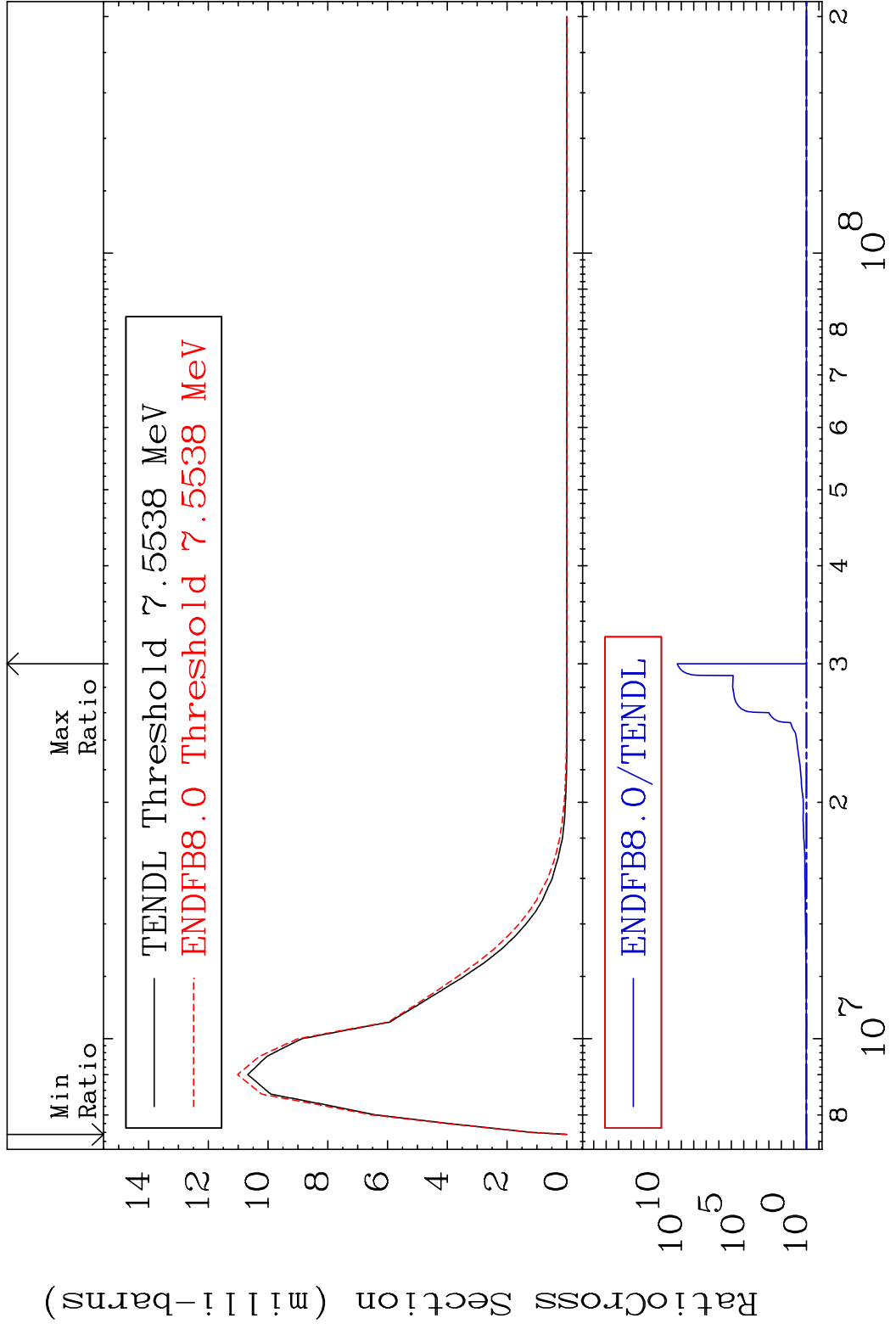
MAT 1025 MT= 58 (n, n') Level 10-Ne-20
 Cross Section -100.0 To 9999. %



MAT 1025 MT= 59 (n,n') Level 10-Ne-20
 Cross Section -0.626 To 126.0 %

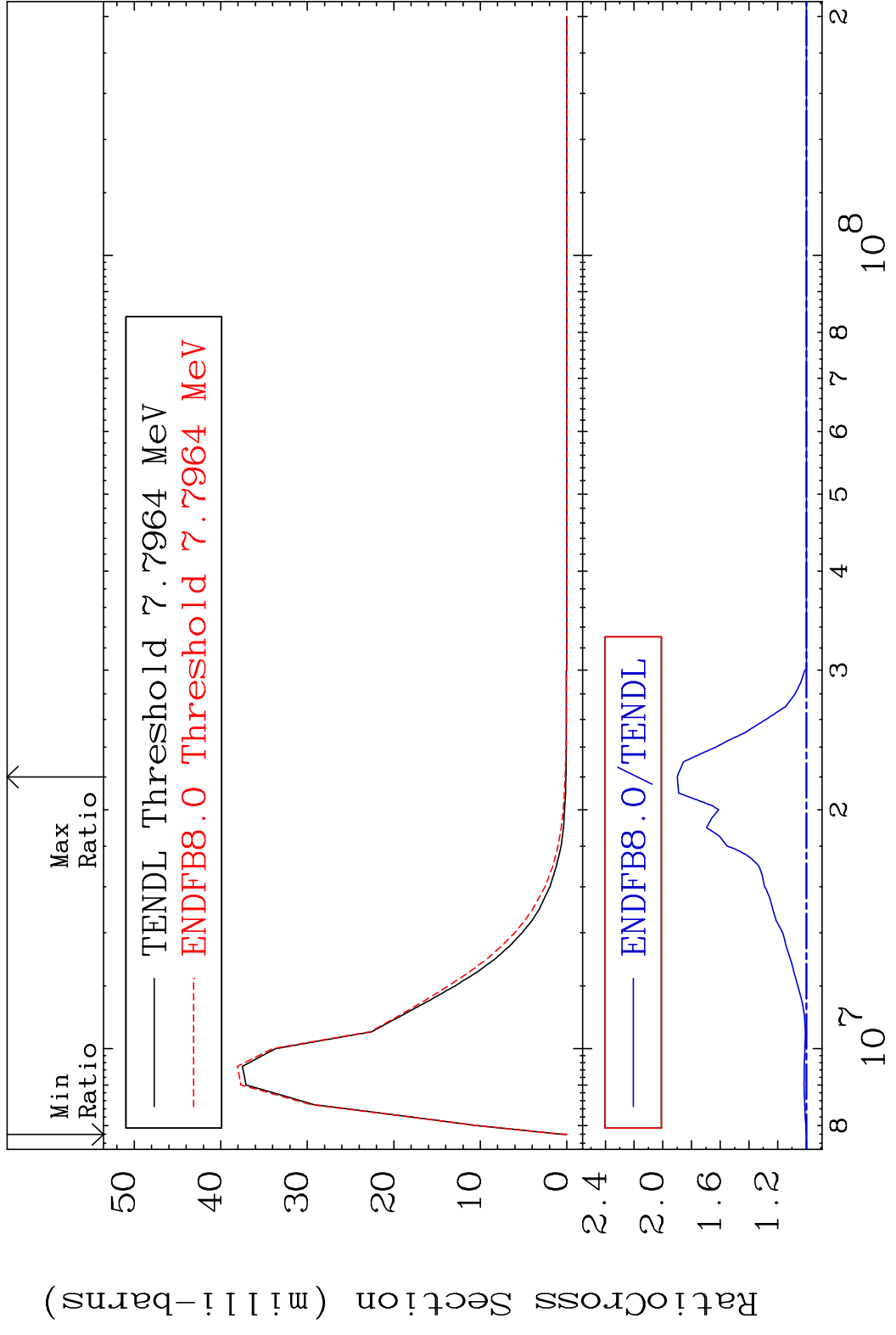


MAT 1025 MT= 60 (n, n') Level 10-Ne-20
 Cross Section 0.000 To 9999. %

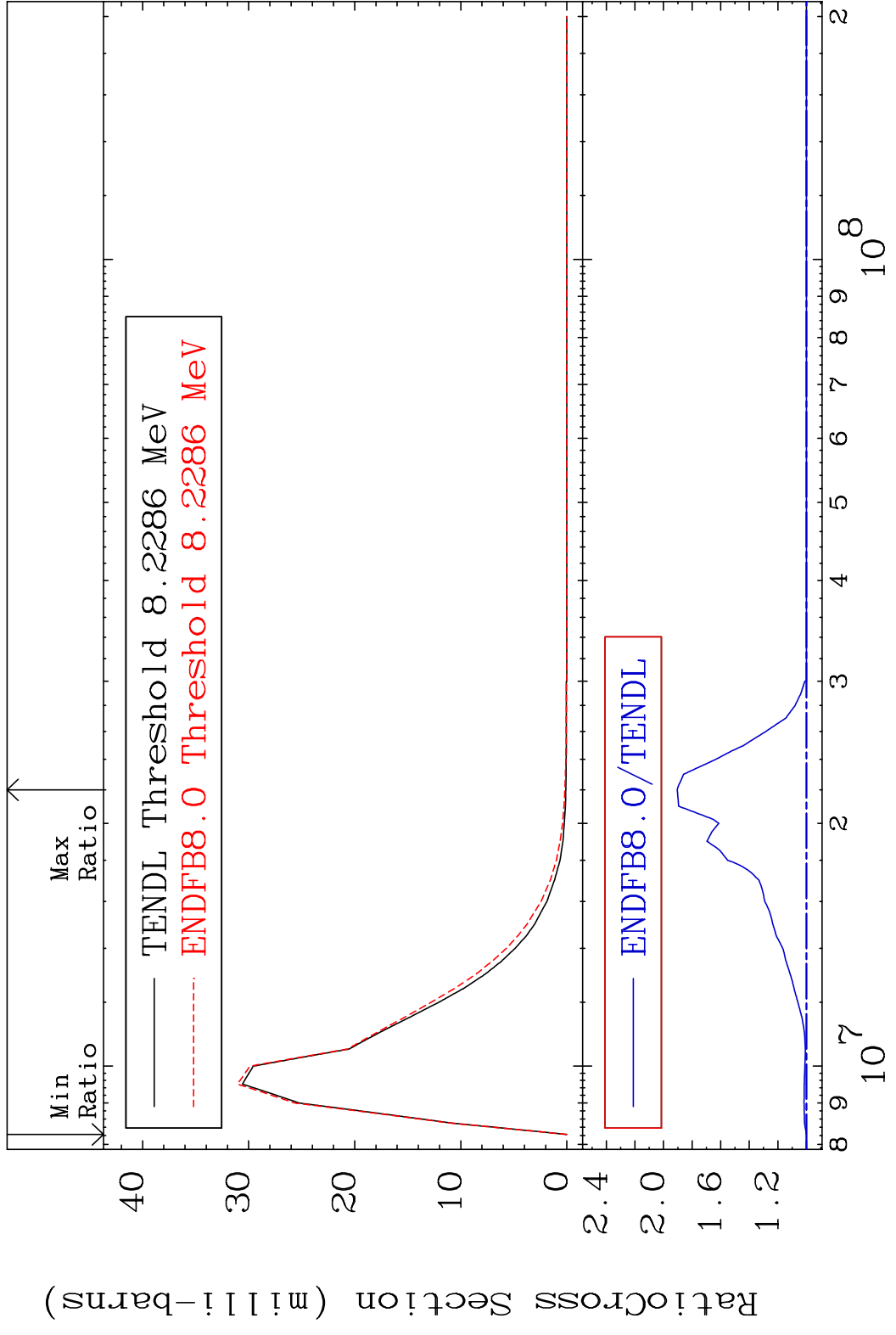


24 Incident Energy (eV) 10-Ne-20

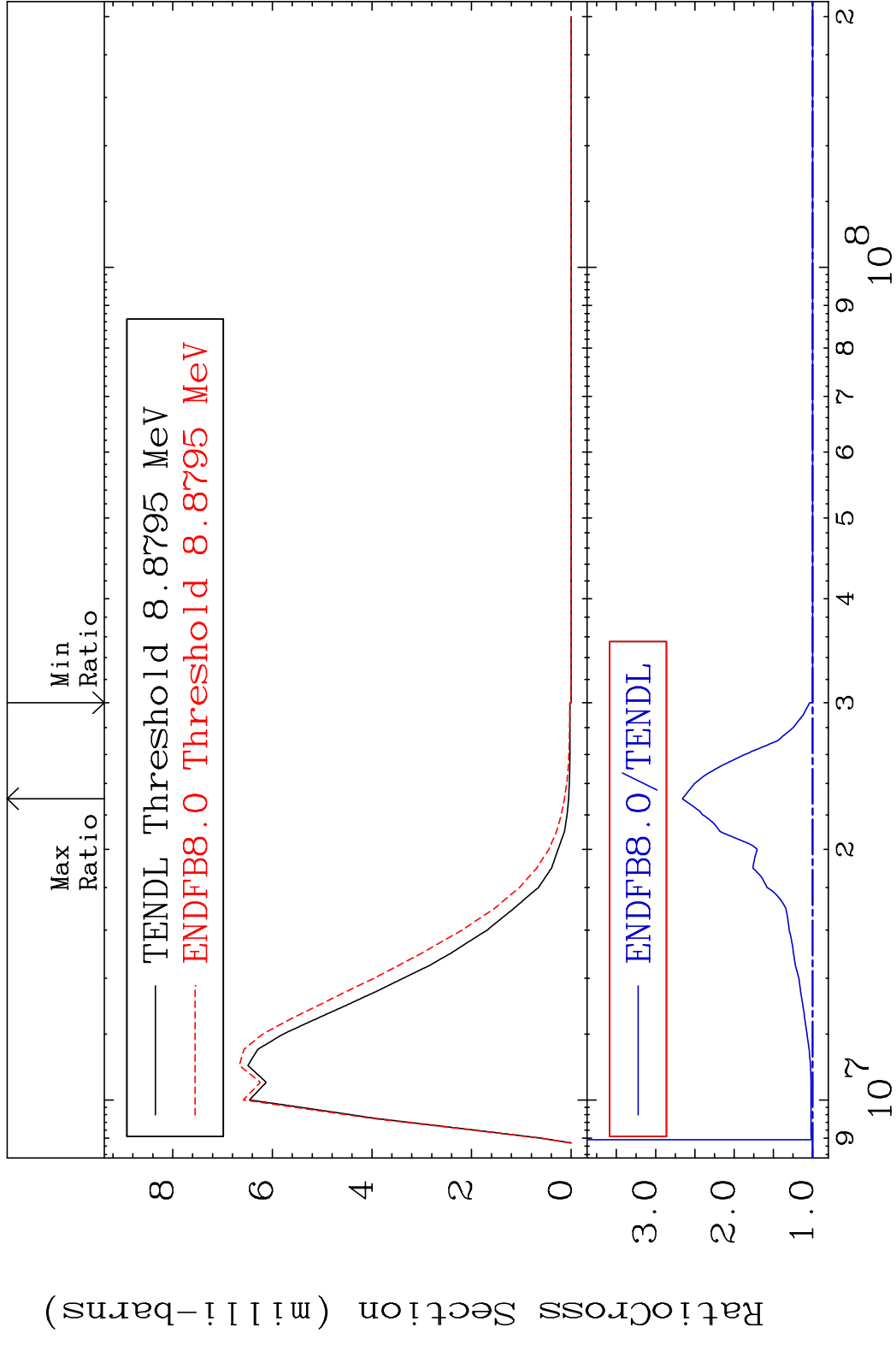
MAT 1025 MT= 61 (n, n') Level 10-Ne-20
 Cross Section 0.000 To 89.99 %



MAT 1025 MT= 62 (n, n') Level 10-Ne-20
 Cross Section 0.000 To 90.44 %

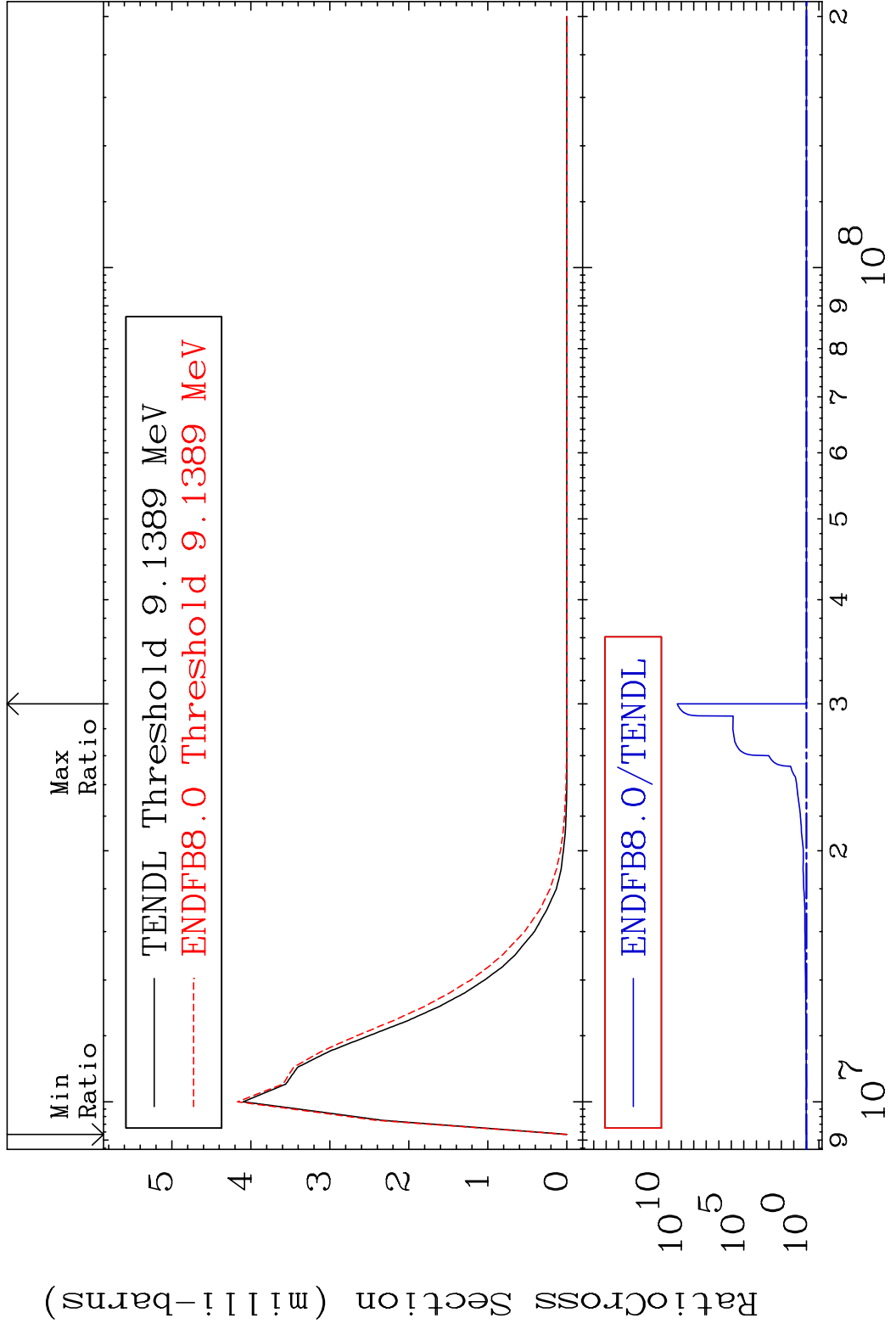


MAT 1025 MT= 63 (n, n') Level 10-Ne-20
 Cross Section 0.000 To 165.9 %



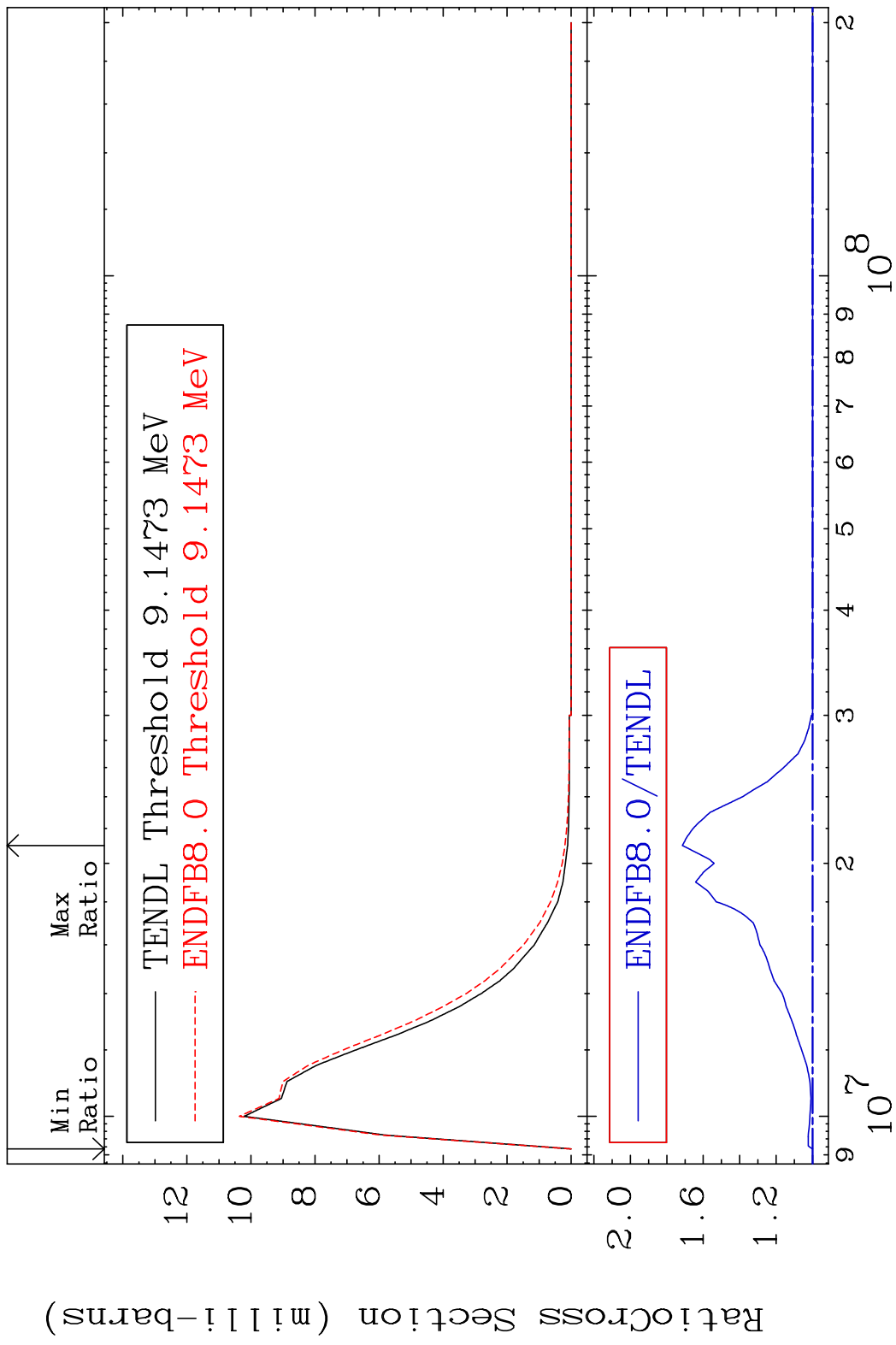
27 Incident Energy (eV) 10-Ne-20

MAT 1025 MT= 64 (n,n') Level 10-Ne-20
 Cross Section 0.000 To 9999. %



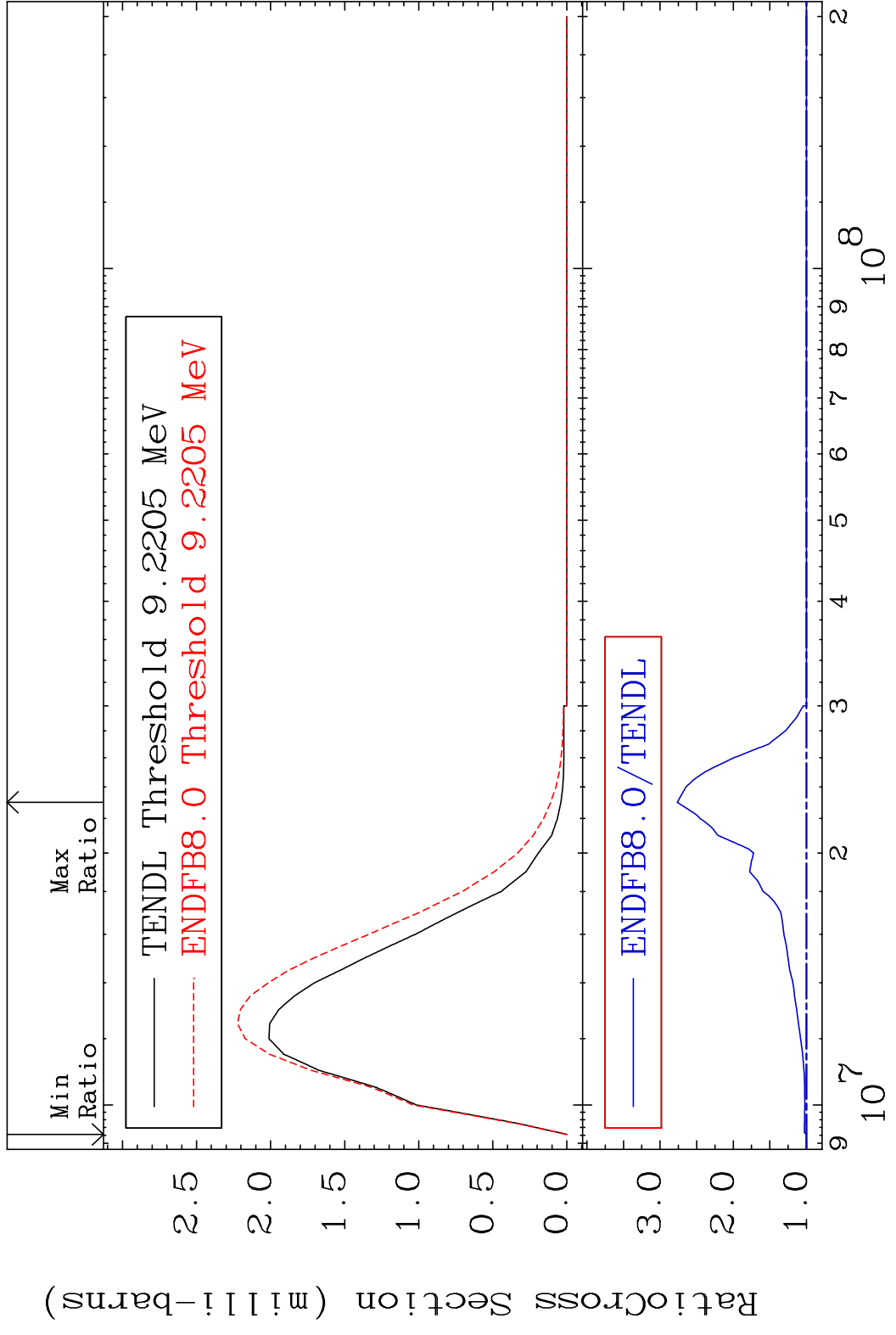
28 Incident Energy (eV) 10-Ne-20

MAT 1025 MT= 65 (n,n') Level 10-Ne-20
 Cross Section 0.000 To 71.46 %



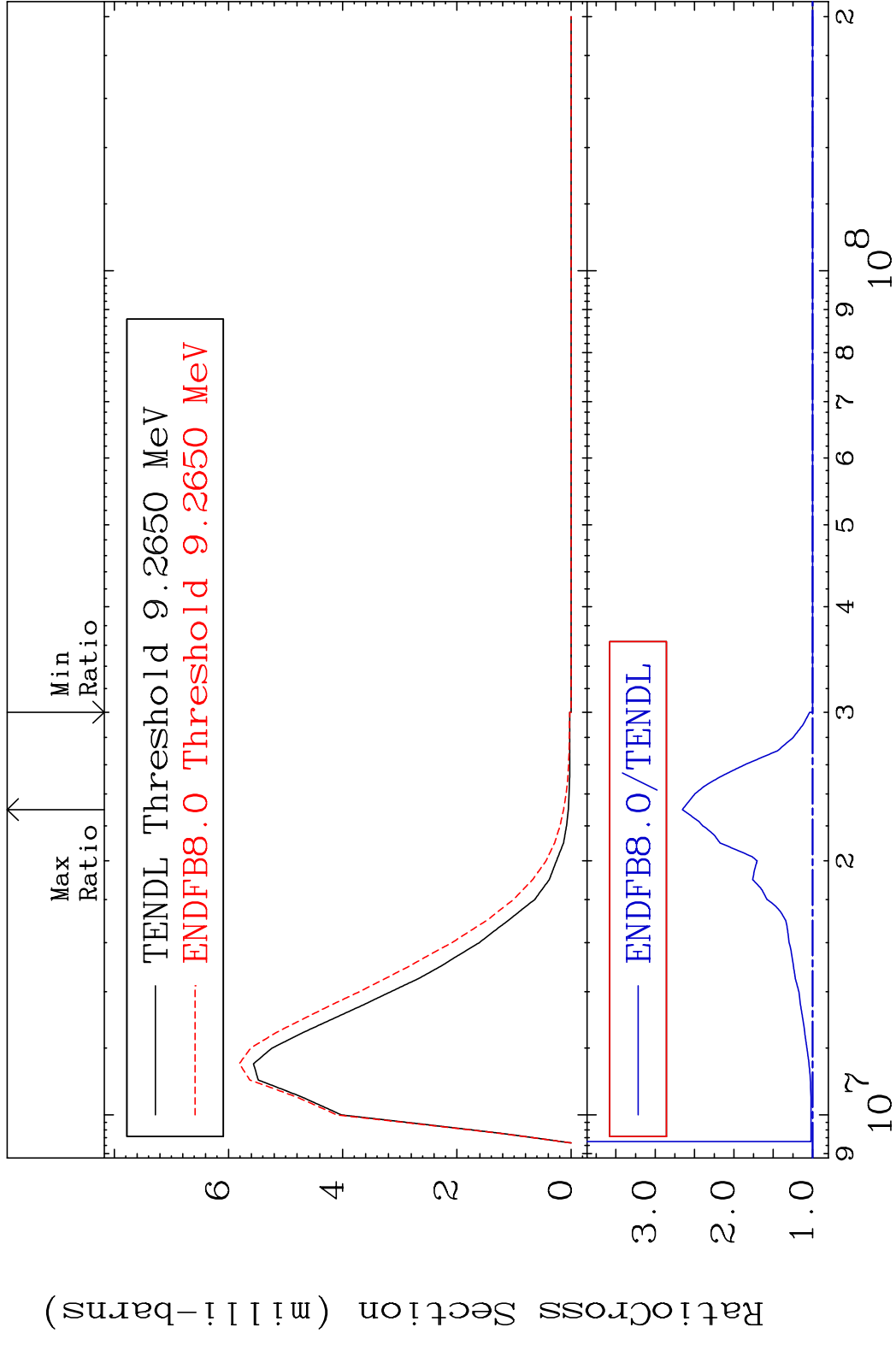
29

MAT 1025 MT= 66 (n, n') Level 10-Ne-20
 Cross Section 0.000 To 176.6 %



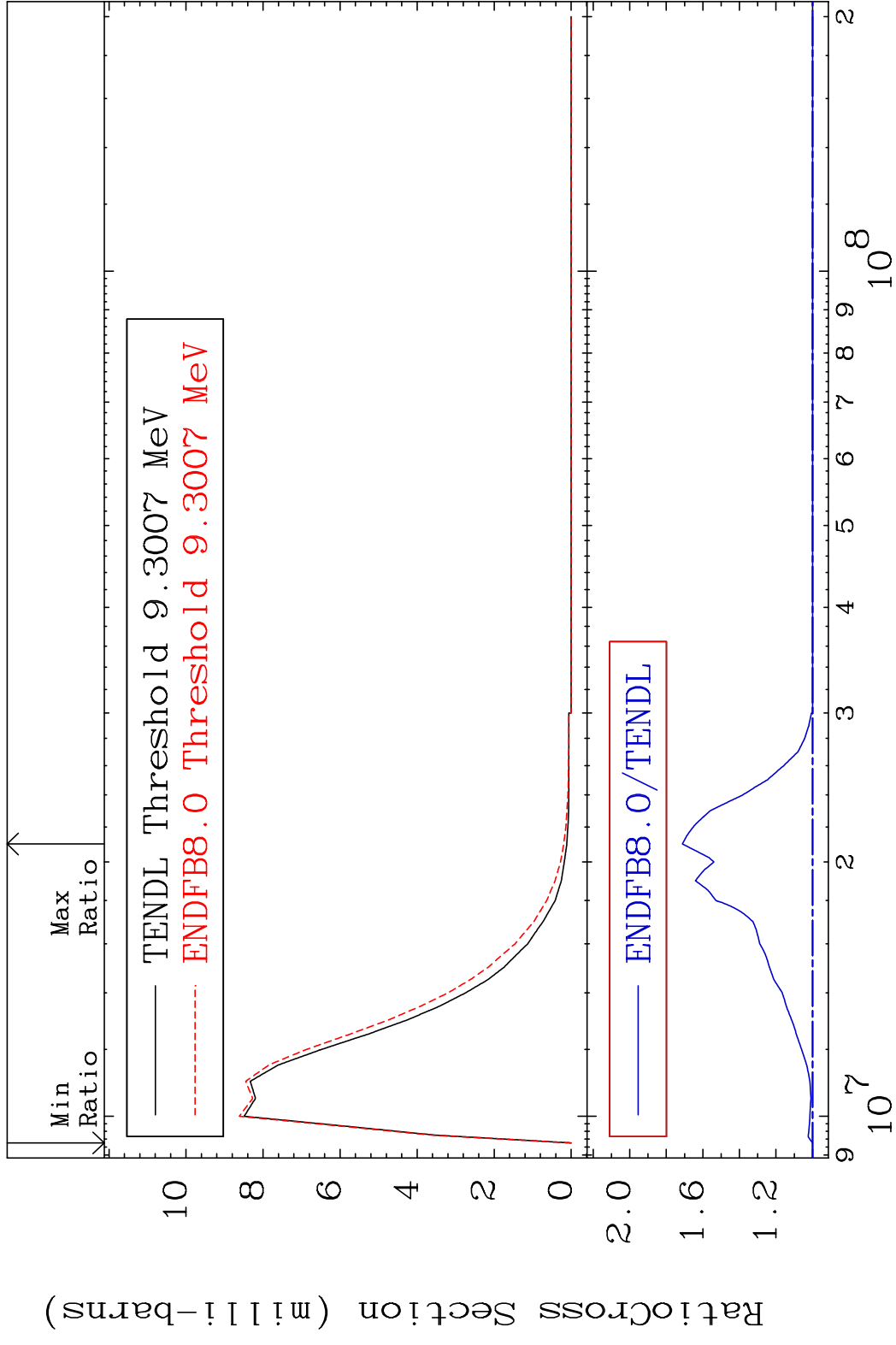
30 Incident Energy (eV) 10-Ne-20

MAT 1025 MT= 67 (n, n') Level 10-Ne-20
 Cross Section 0.000 To 165.5 %

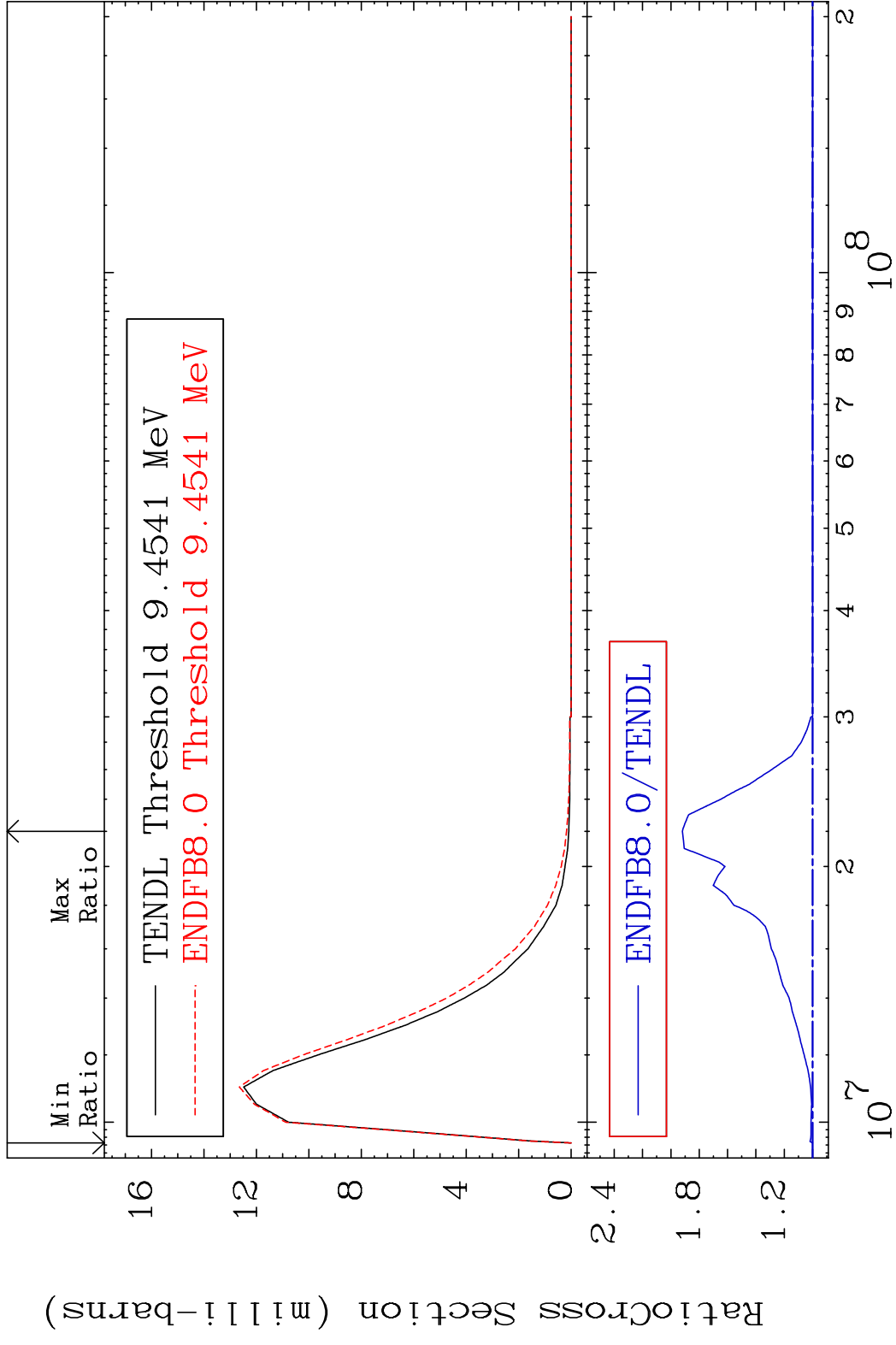


31 Incident Energy (eV) 10-Ne-20

MAT 1025 MT= 68 (n,n') Level 10-Ne-20
 Cross Section 0.000 To 71.21 %

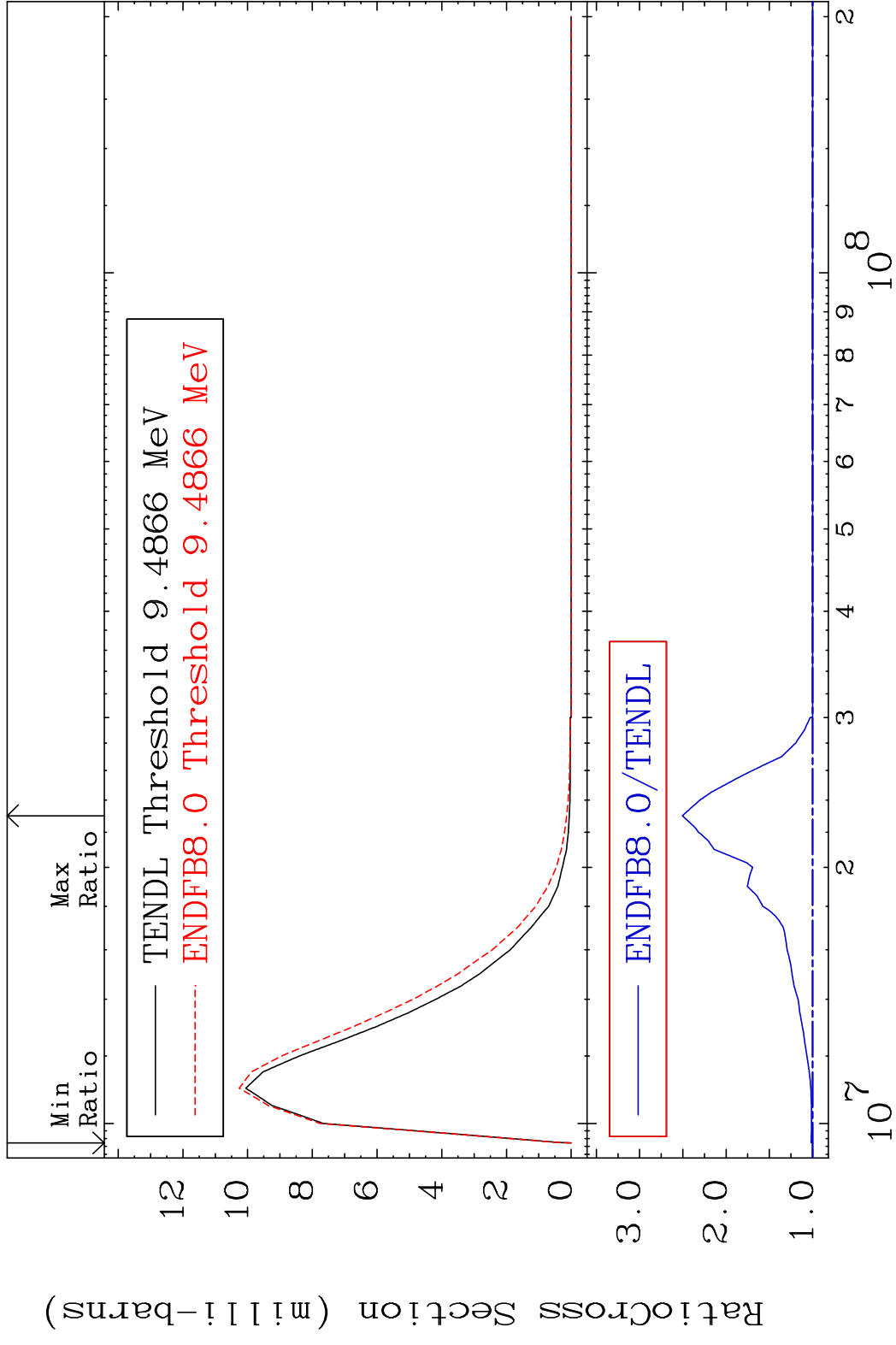


MAT 1025 MT= 69 (n, n') Level 10-Ne-20
 Cross Section 0.000 To 91.90 %



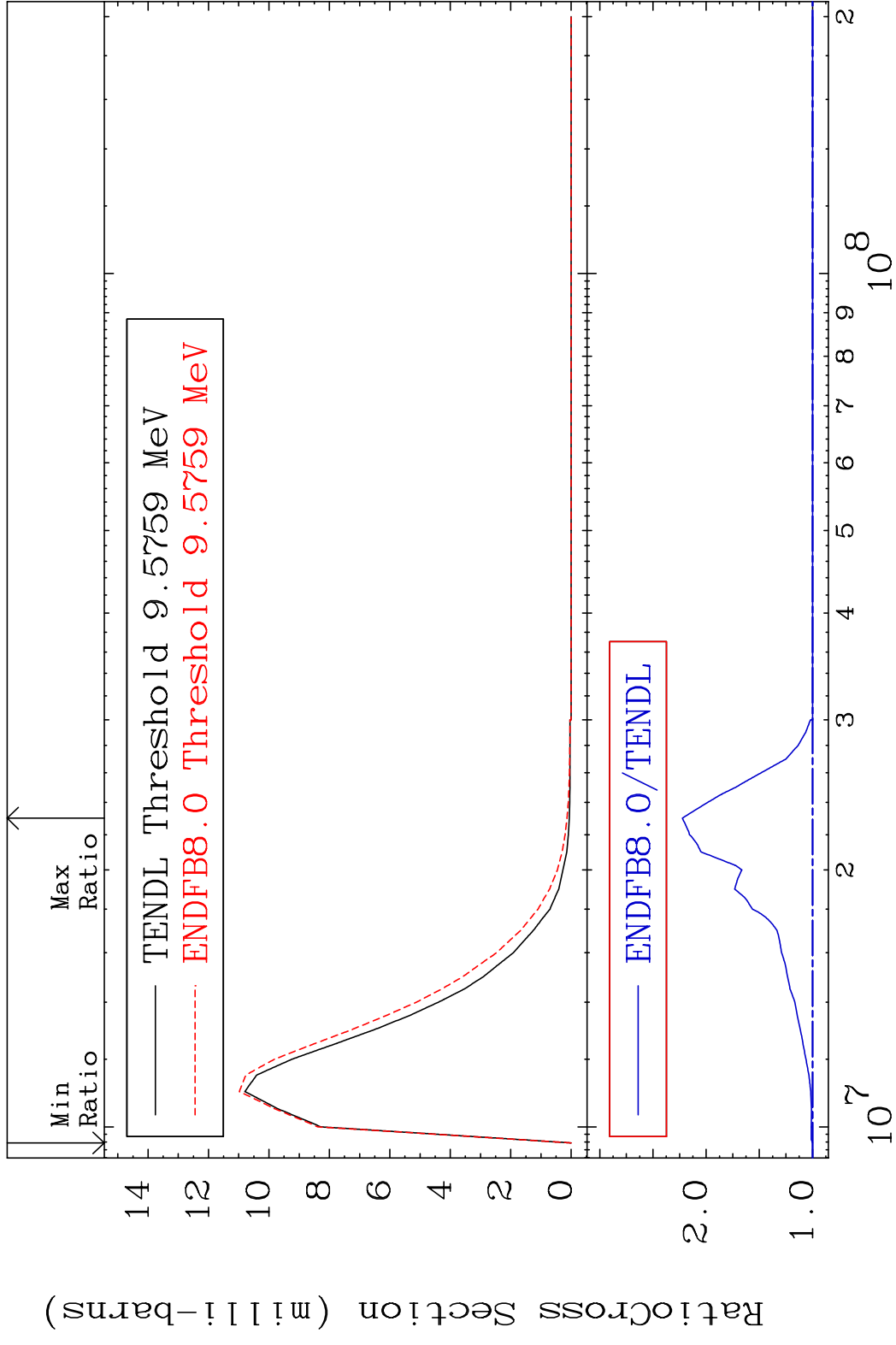
33 10-Ne-20

MAT 1025 MT= 70 (n, n') Level 10-Ne-20
 Cross Section 0.000 To 150.6 %



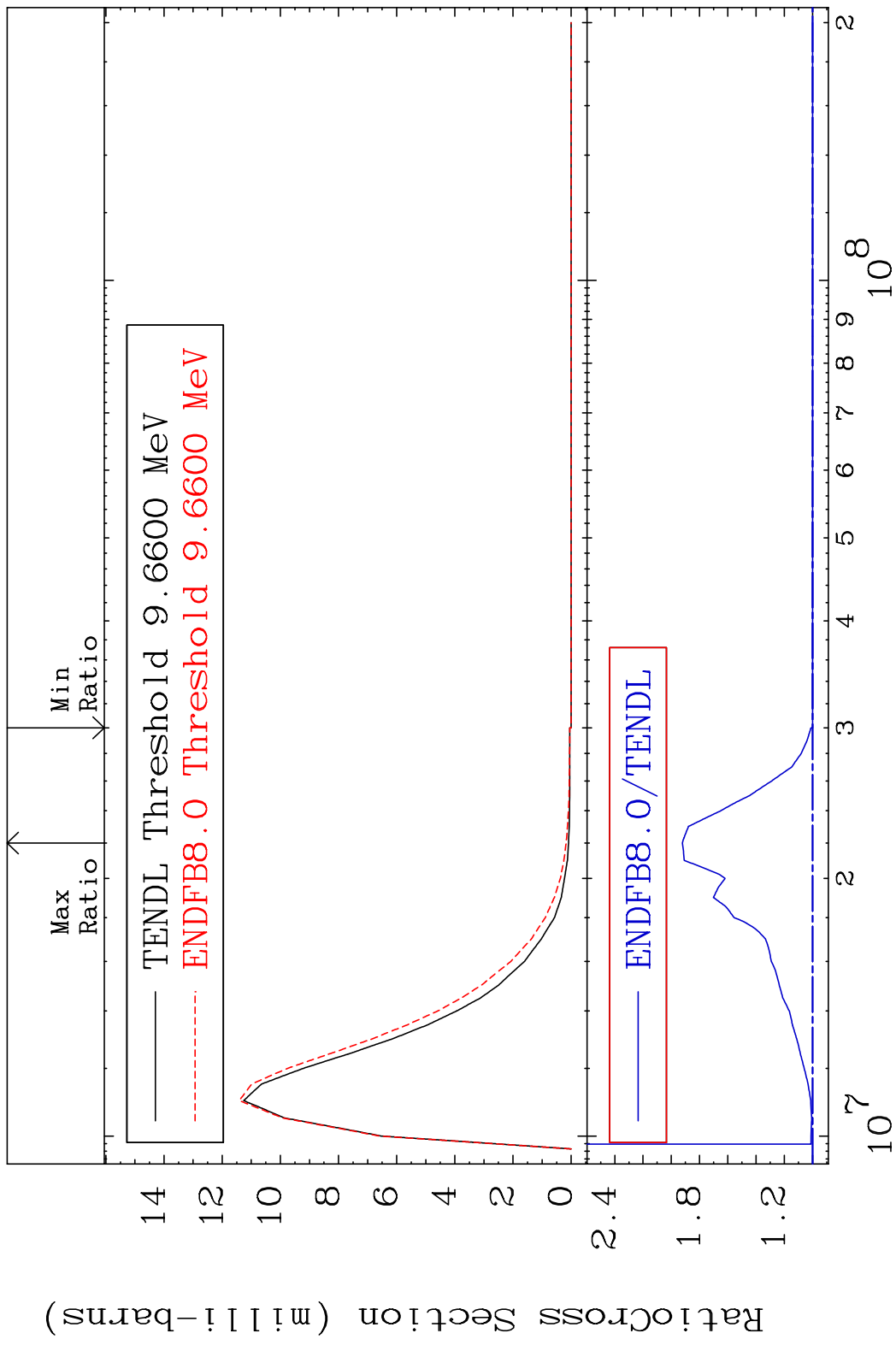
34 Incident Energy (eV) 10-Ne-20

MAT 1025 MT= 71 (n,n') Level 10-Ne-20
 Cross Section 0.000 To 122.4 %



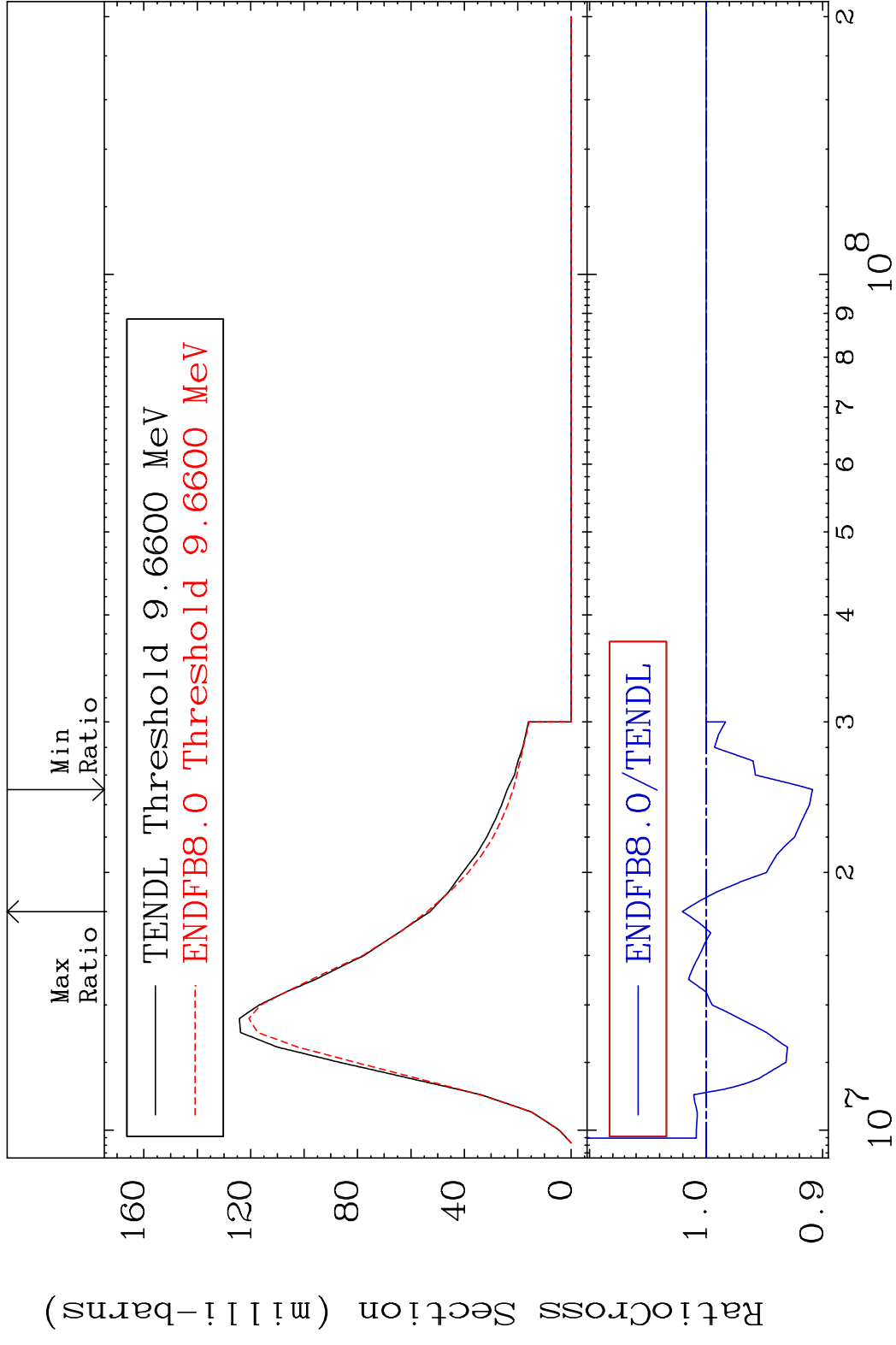
35 10-Ne-20

MAT 1025 MT= 72 (n, n') Level 10-Ne-20
 Cross Section 0.000 To 92.17 %



36 10-Ne-20

MAT 1025 (n,n') Continuum 10-Ne-20
 Cross Section -9.132 To 2.040 %

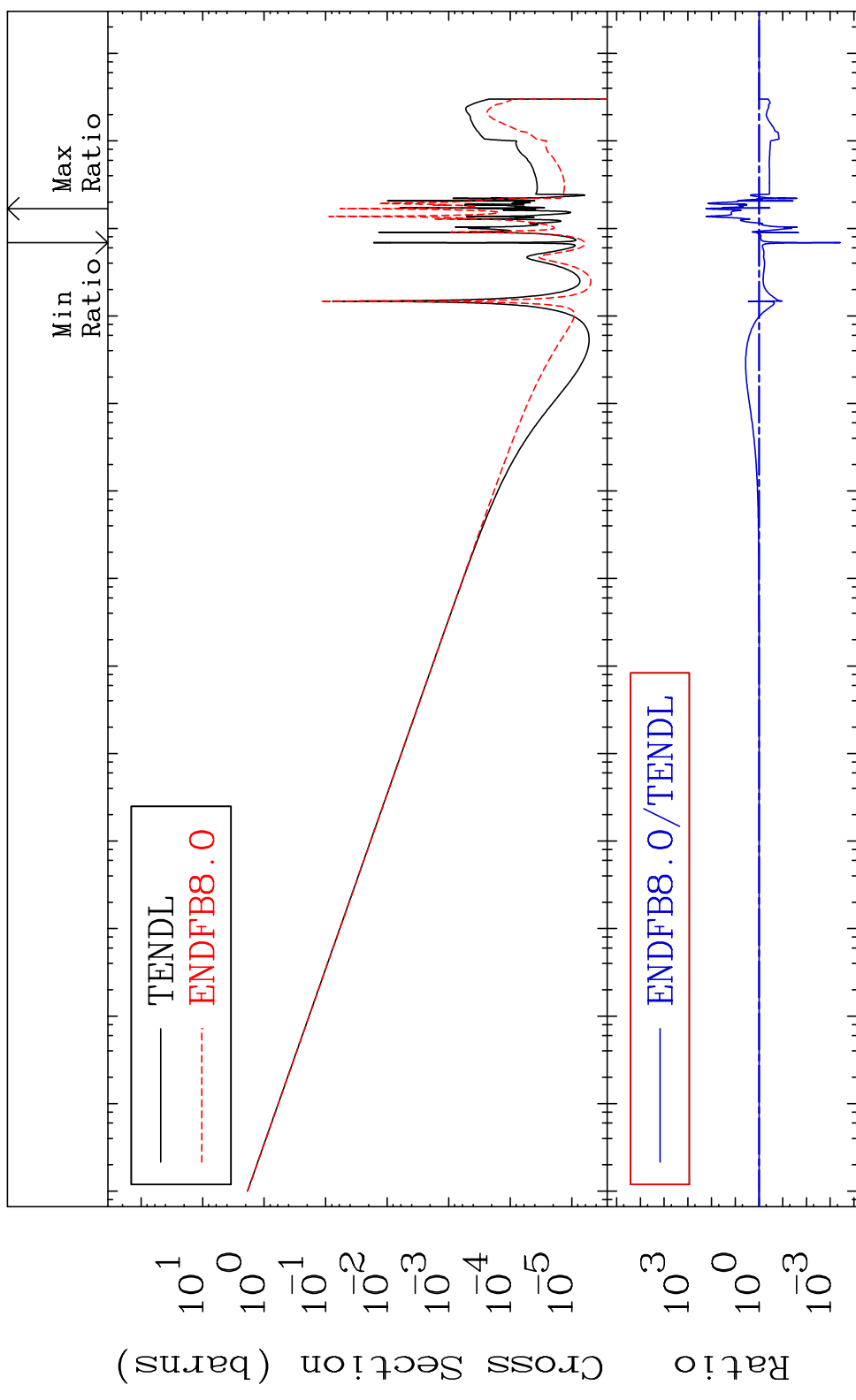


37 10-Ne-20

MAT 1025

(n, γ)

Cross Section -99.96 To 9999. % 10-Ne-20

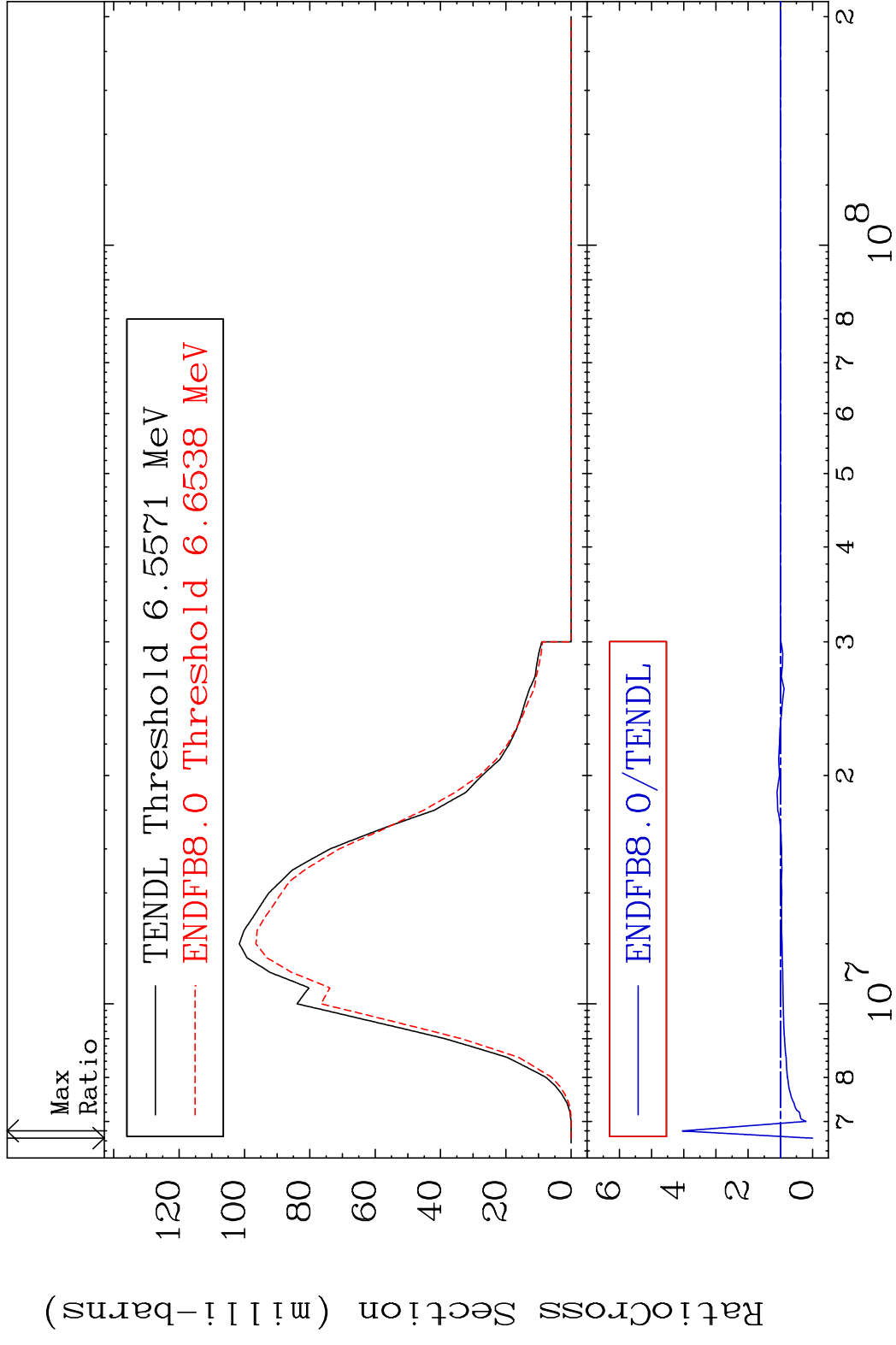


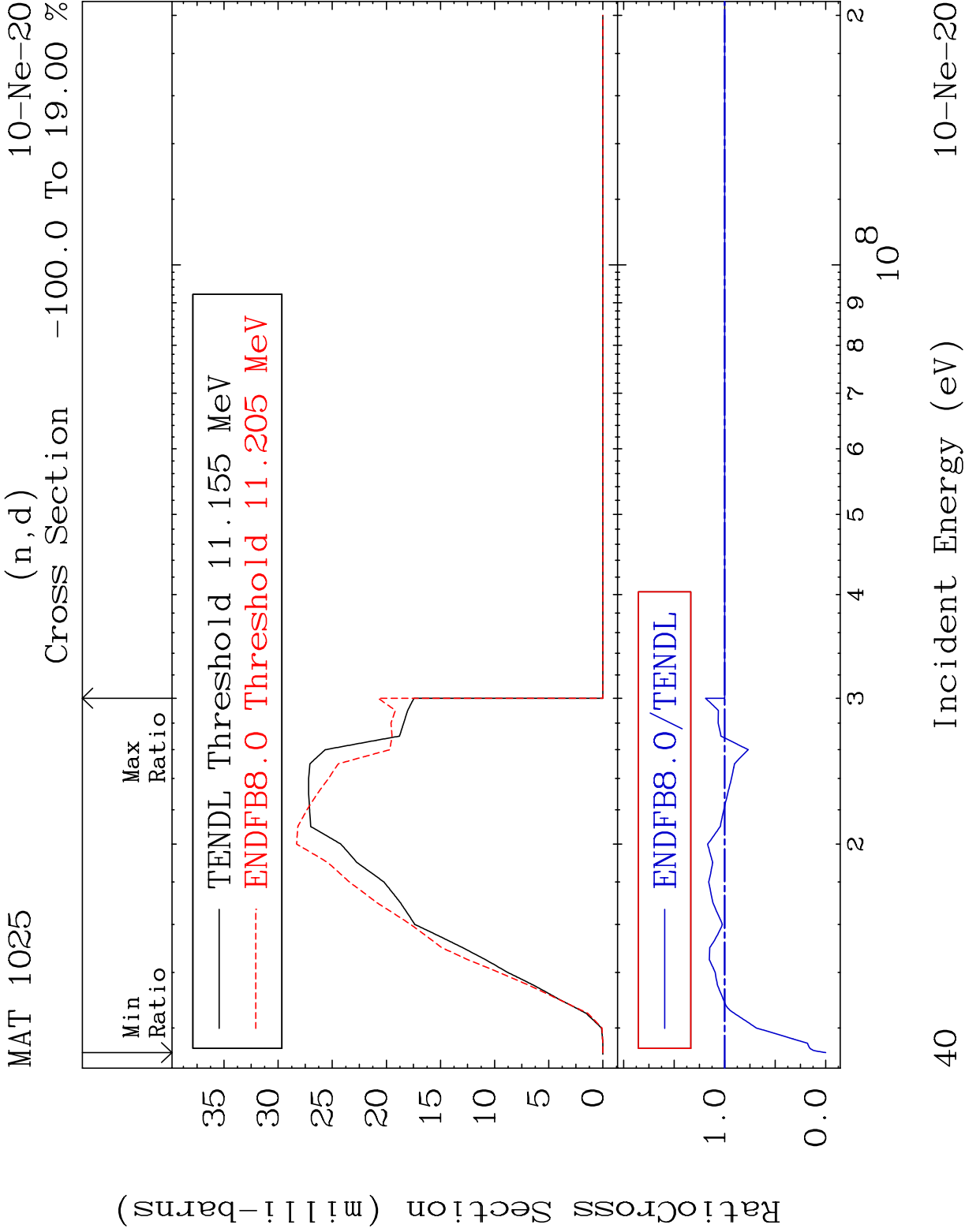
38

Incident Energy (eV)

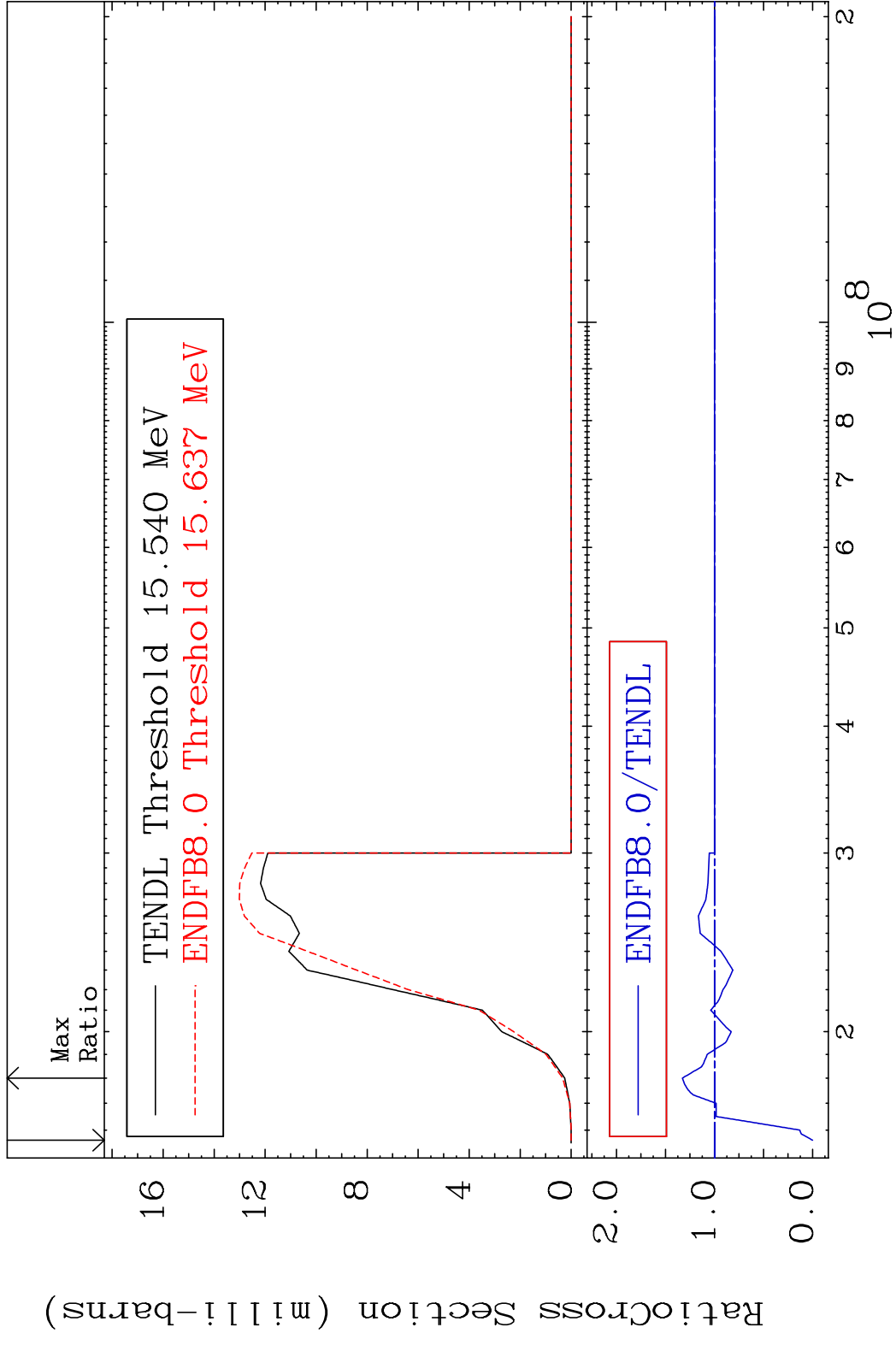
10-Ne-20

MAT 1025 (n,p) 10-Ne-20
 Cross Section -100.0 To 304.3 %

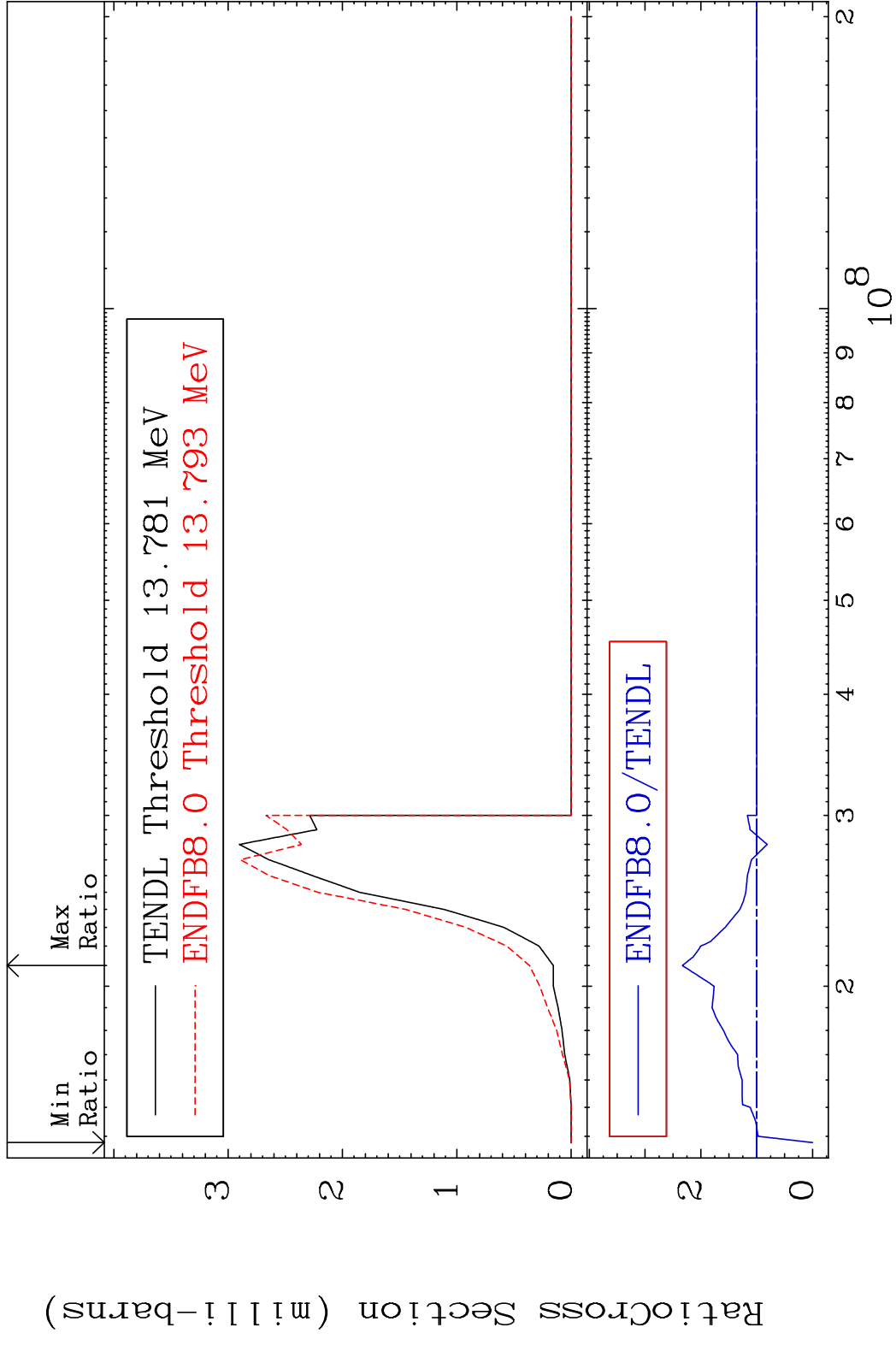


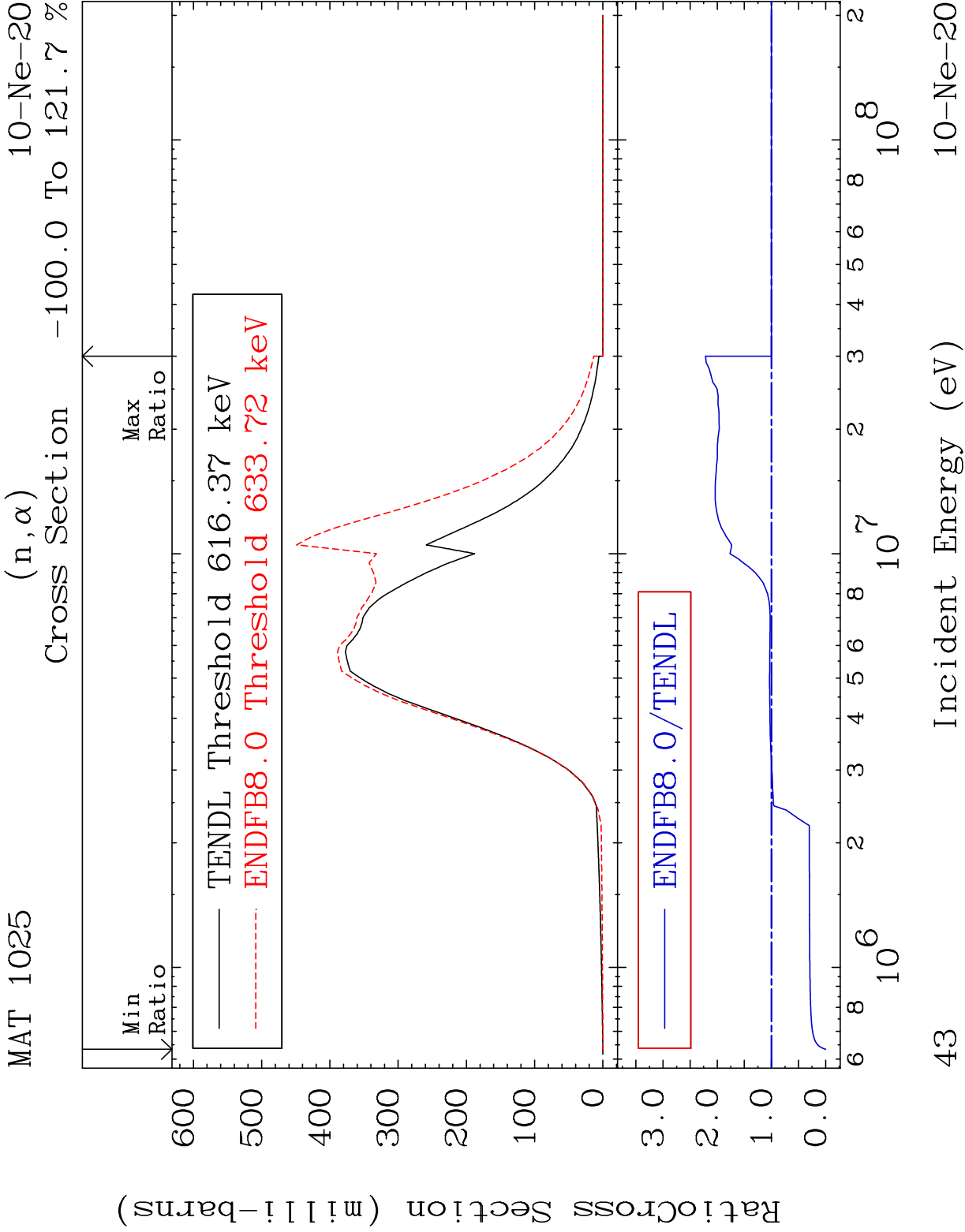


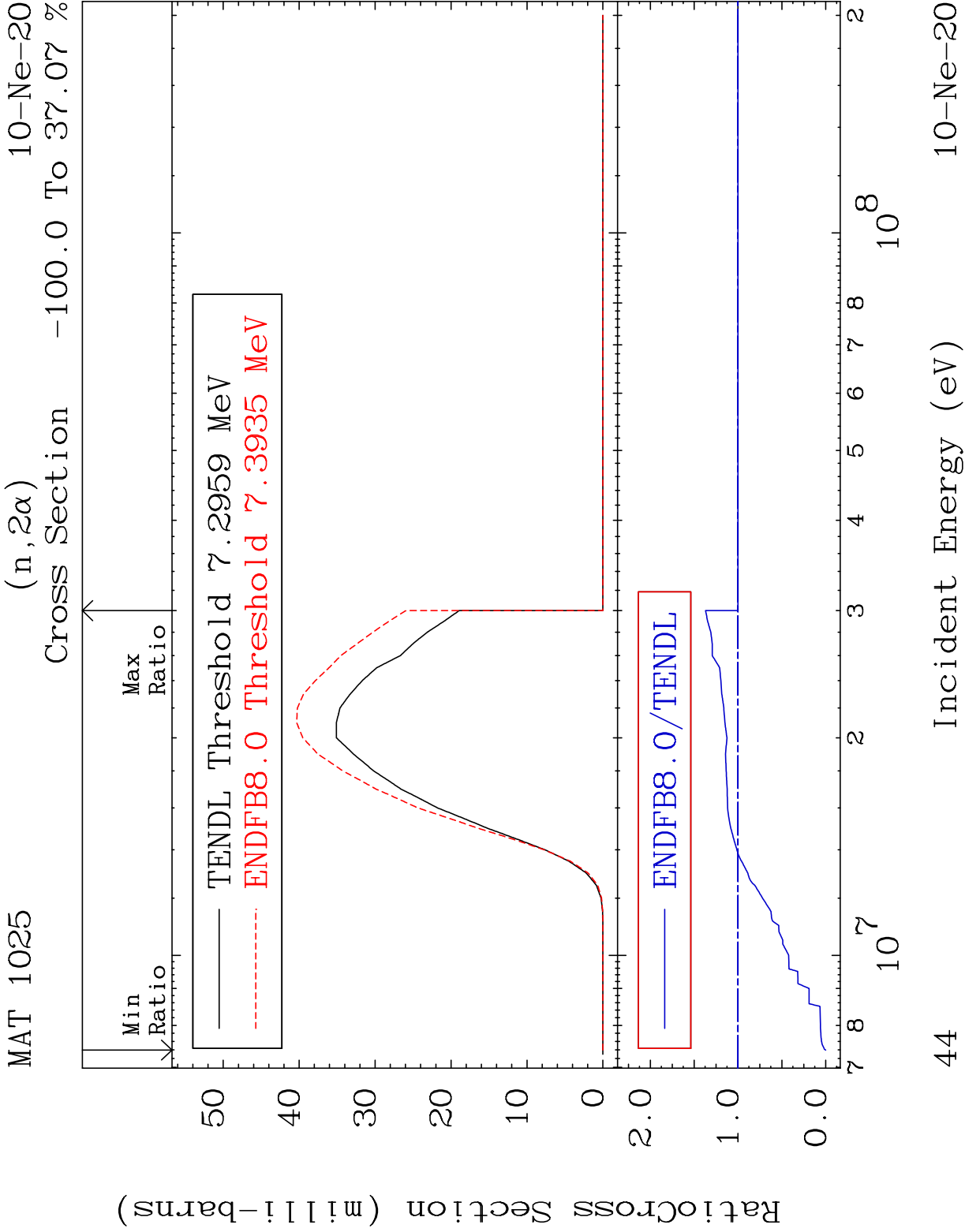
MAT 1025 (n, t) 10-Ne-20
 Cross Section -100.0 To 32.79 %



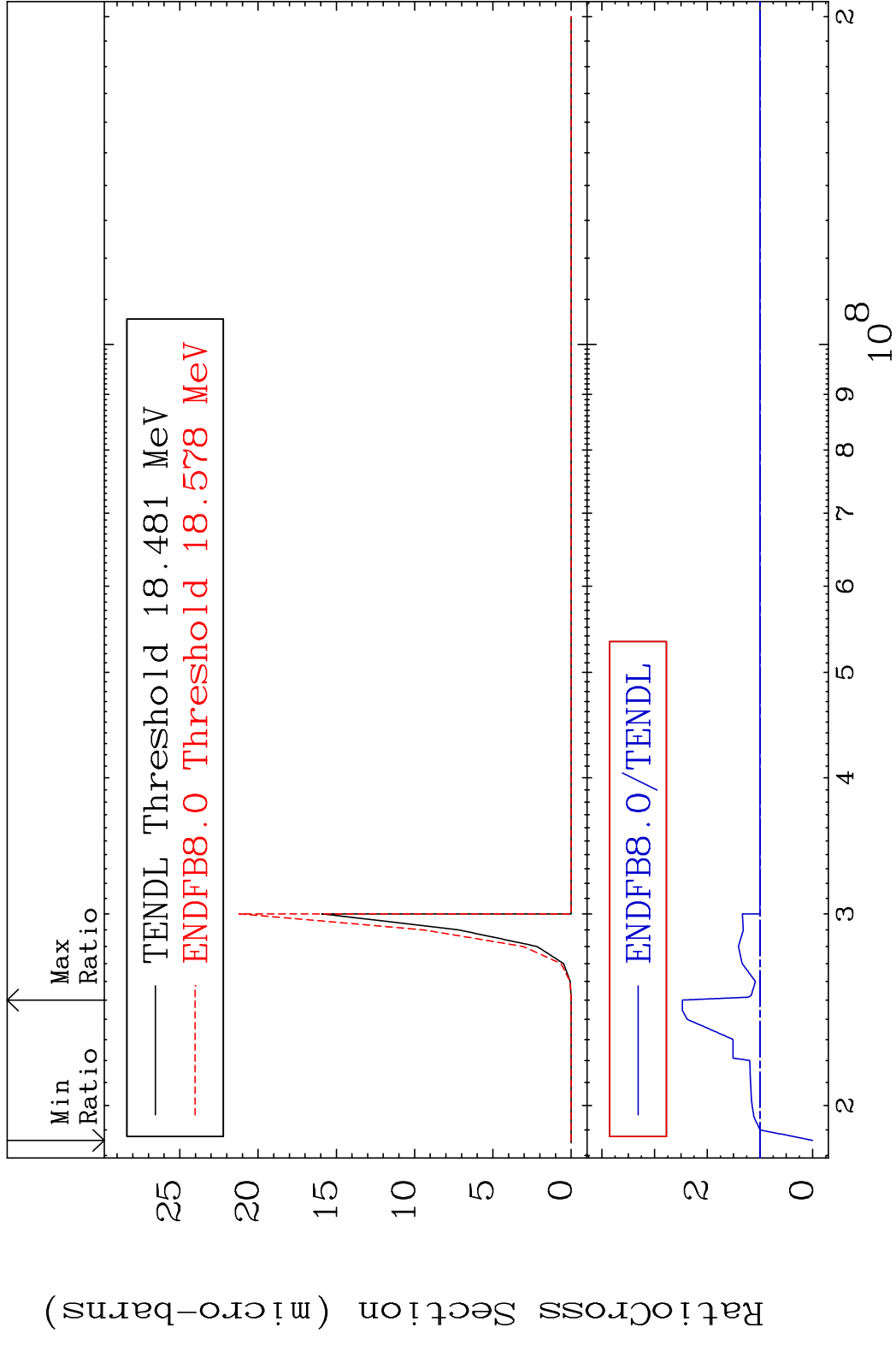
MAT 1025 (n, He-3) 10-Ne-20
 Cross Section -100.0 To 133.2 %





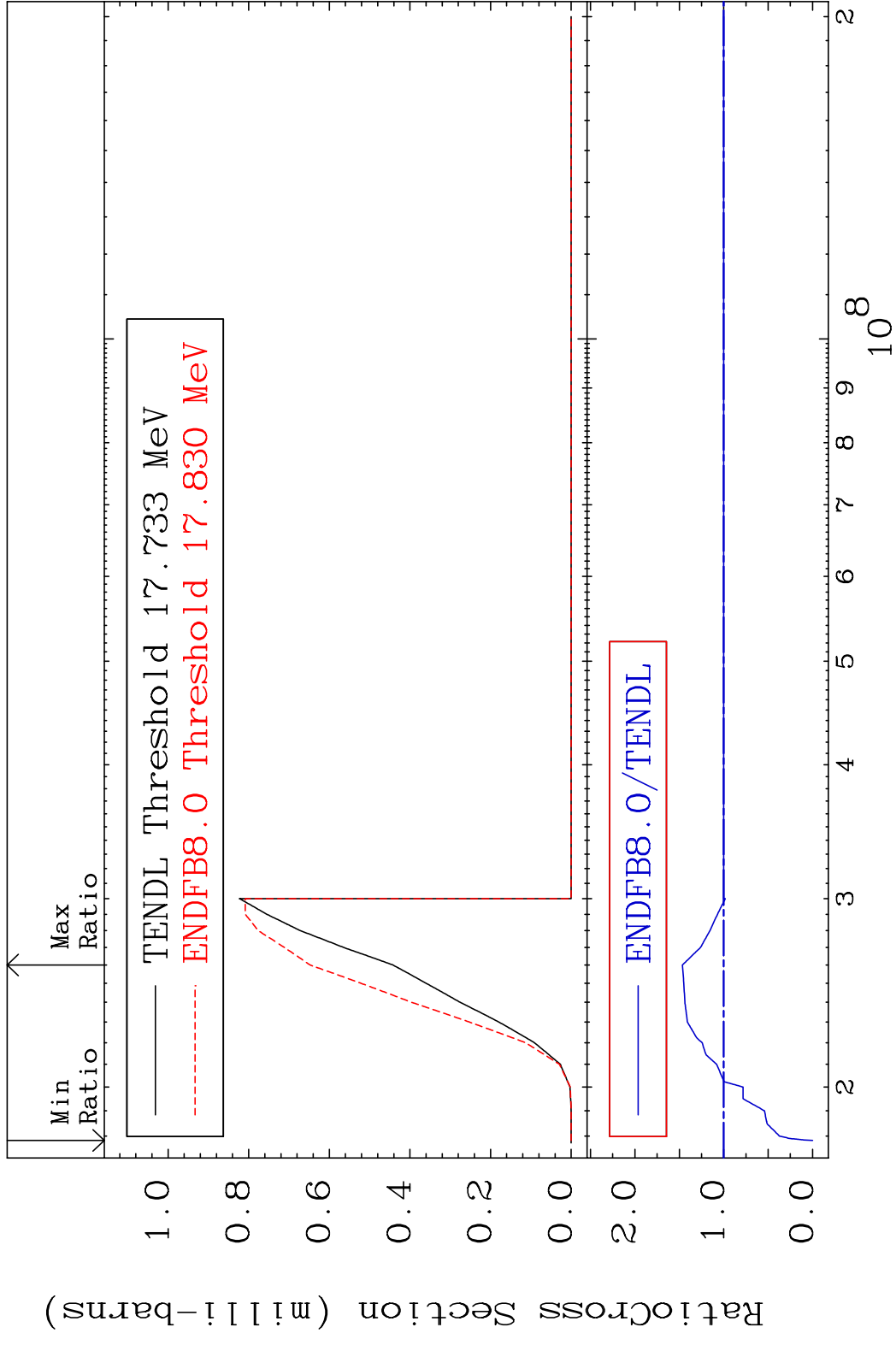


MAT 1025 (n,3α) 10-Ne-20
 Cross Section -100.0 To 147.3 %



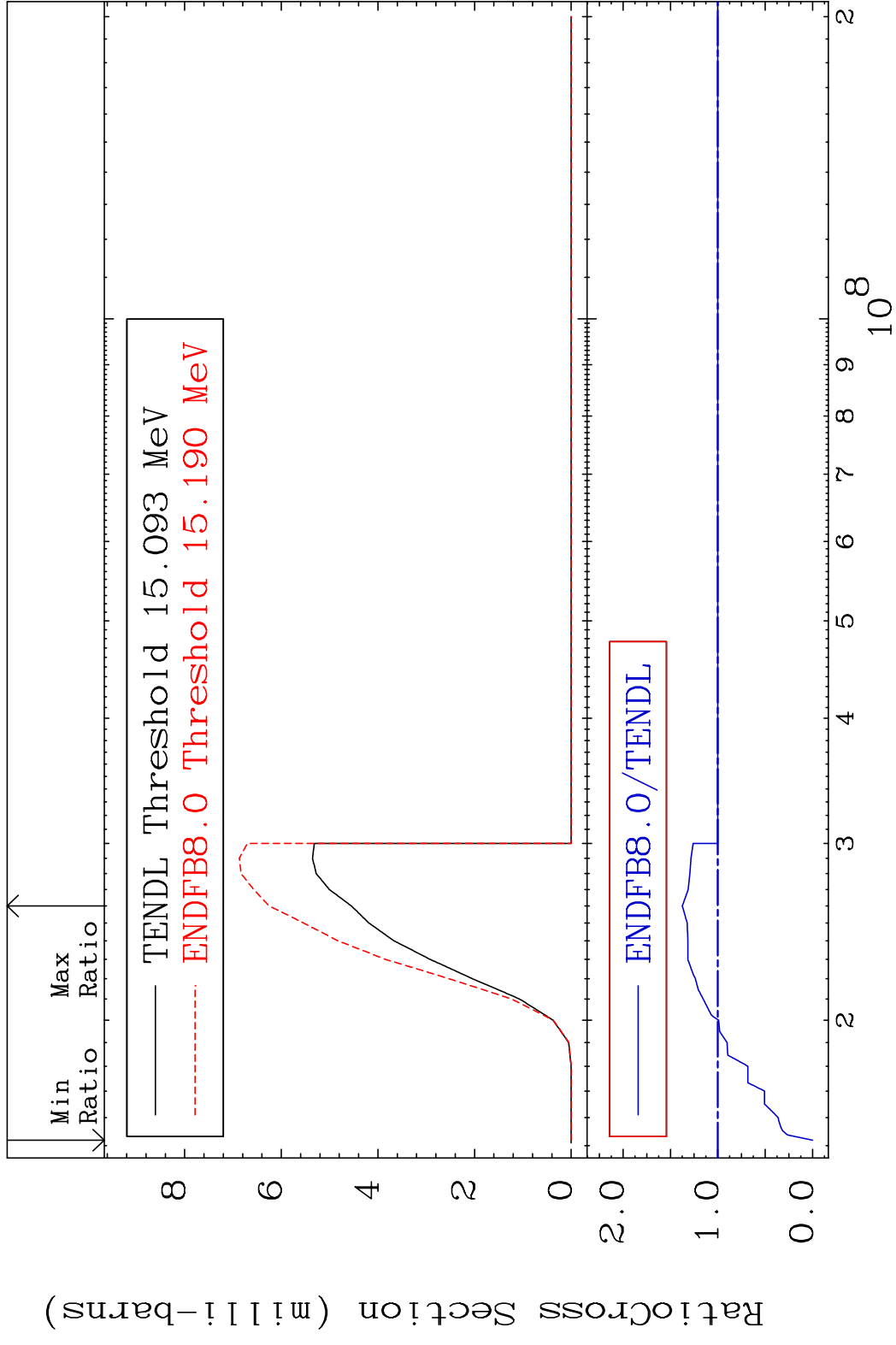
45 10-Ne-20

MAT 1025 (n,2p) 10-Ne-20
 Cross Section -100.0 To 46.57 %

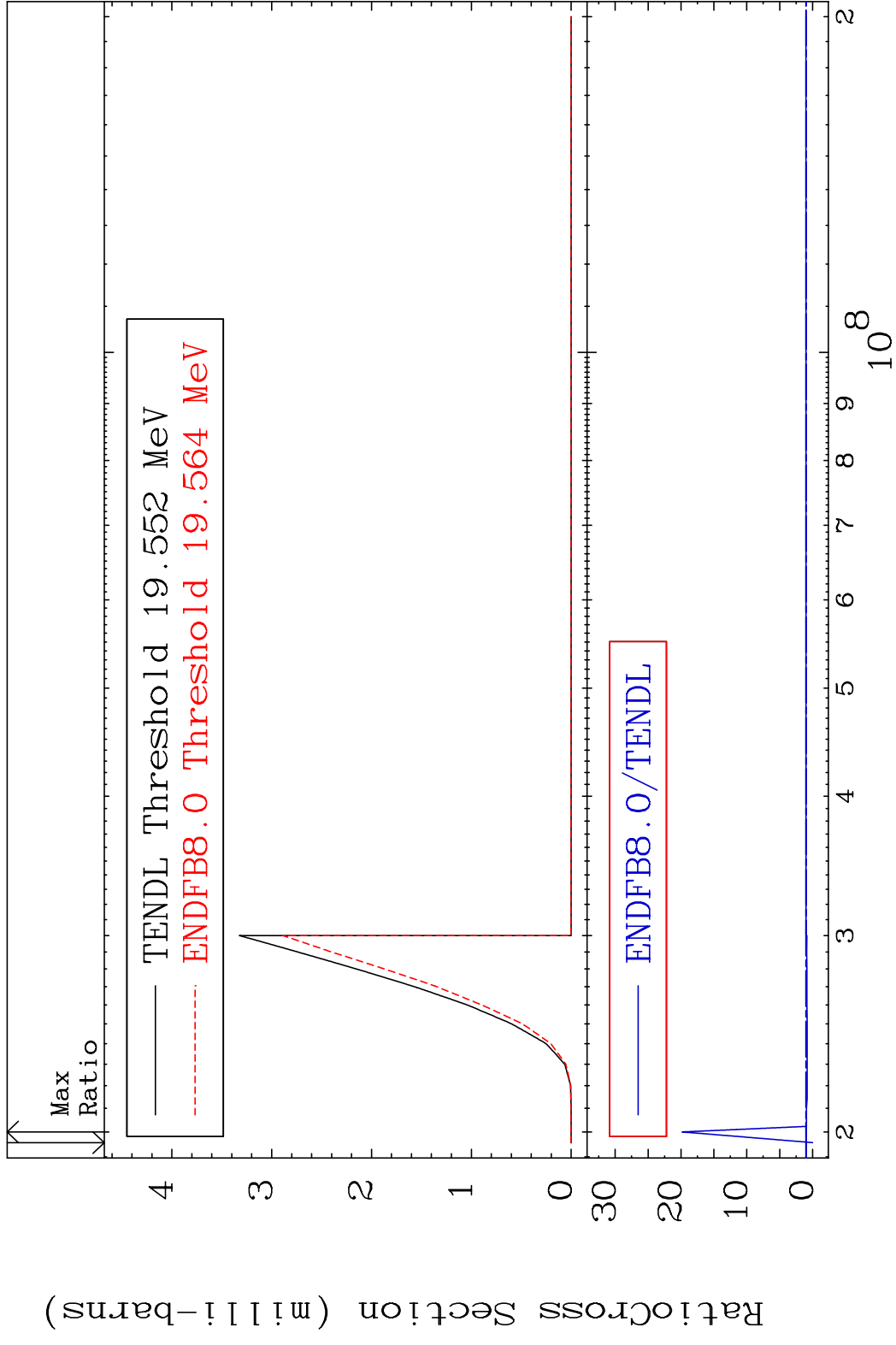


46 Incident Energy (eV) 10-Ne-20

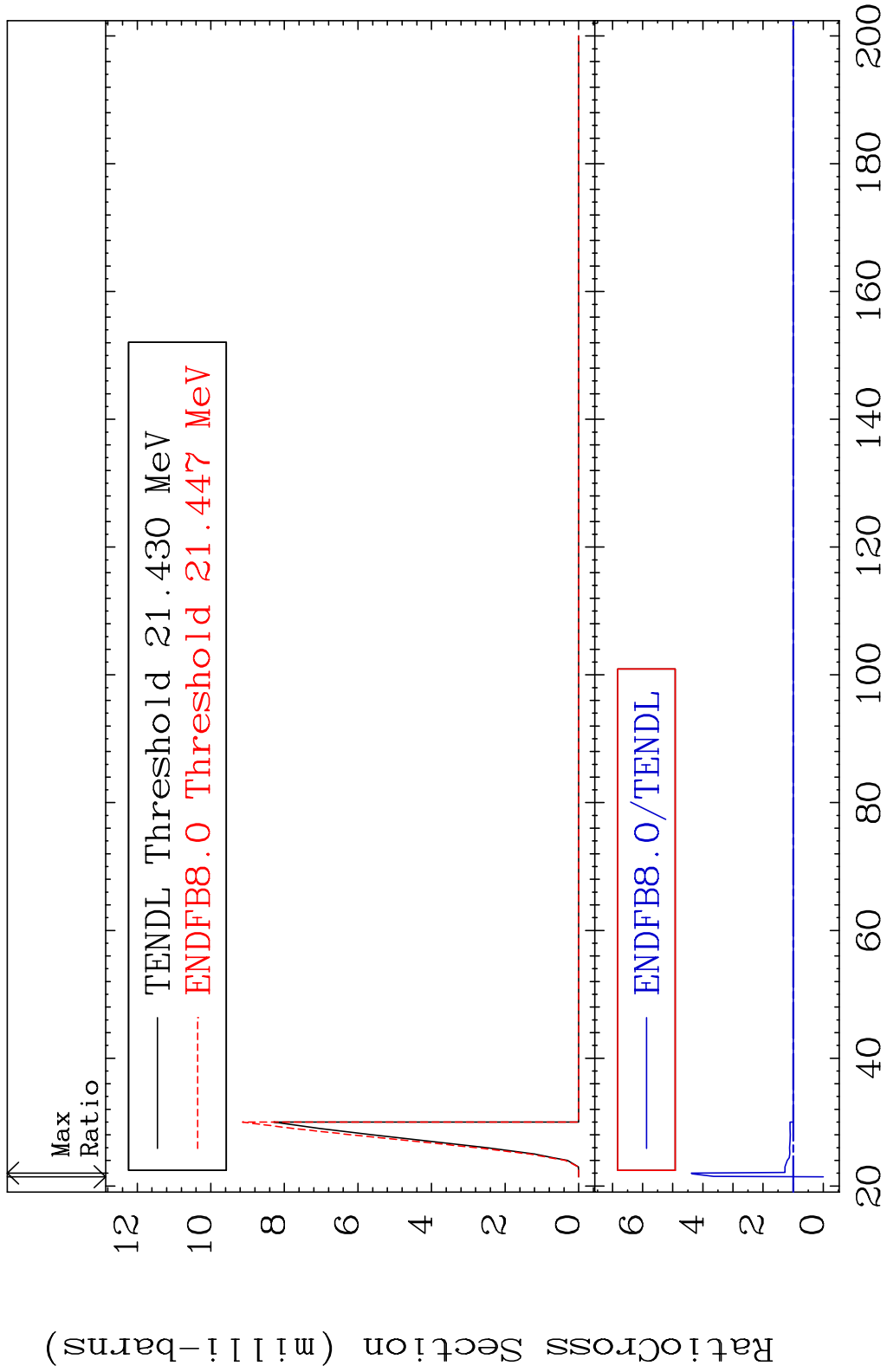
MAT 1025 (n,p) α 10-Ne-20
 Cross Section -100.0 To 37.41 %



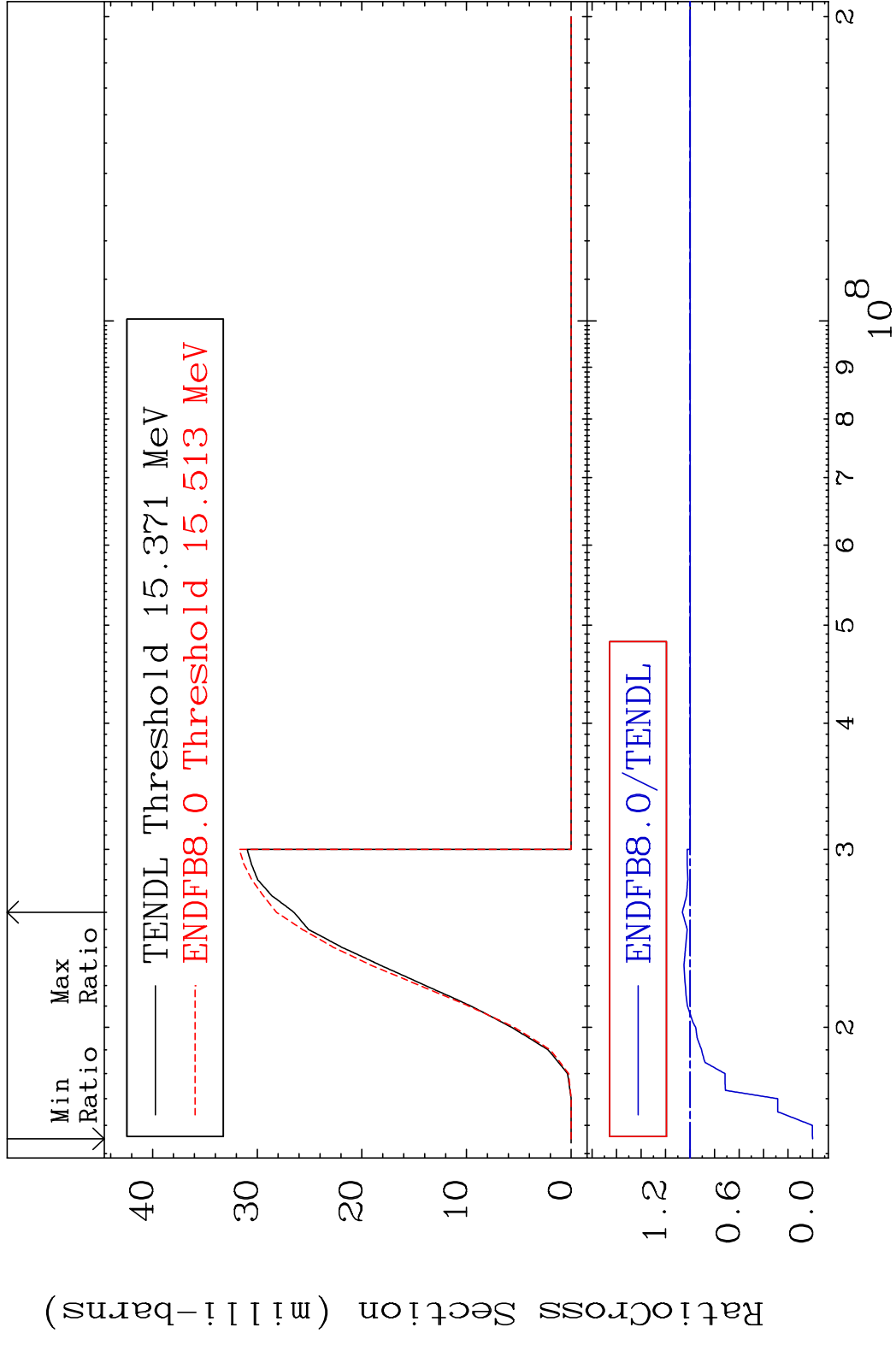
MAT 1025 (n,p) d 10-Ne-20
 Cross Section -100.0 To 1879. %



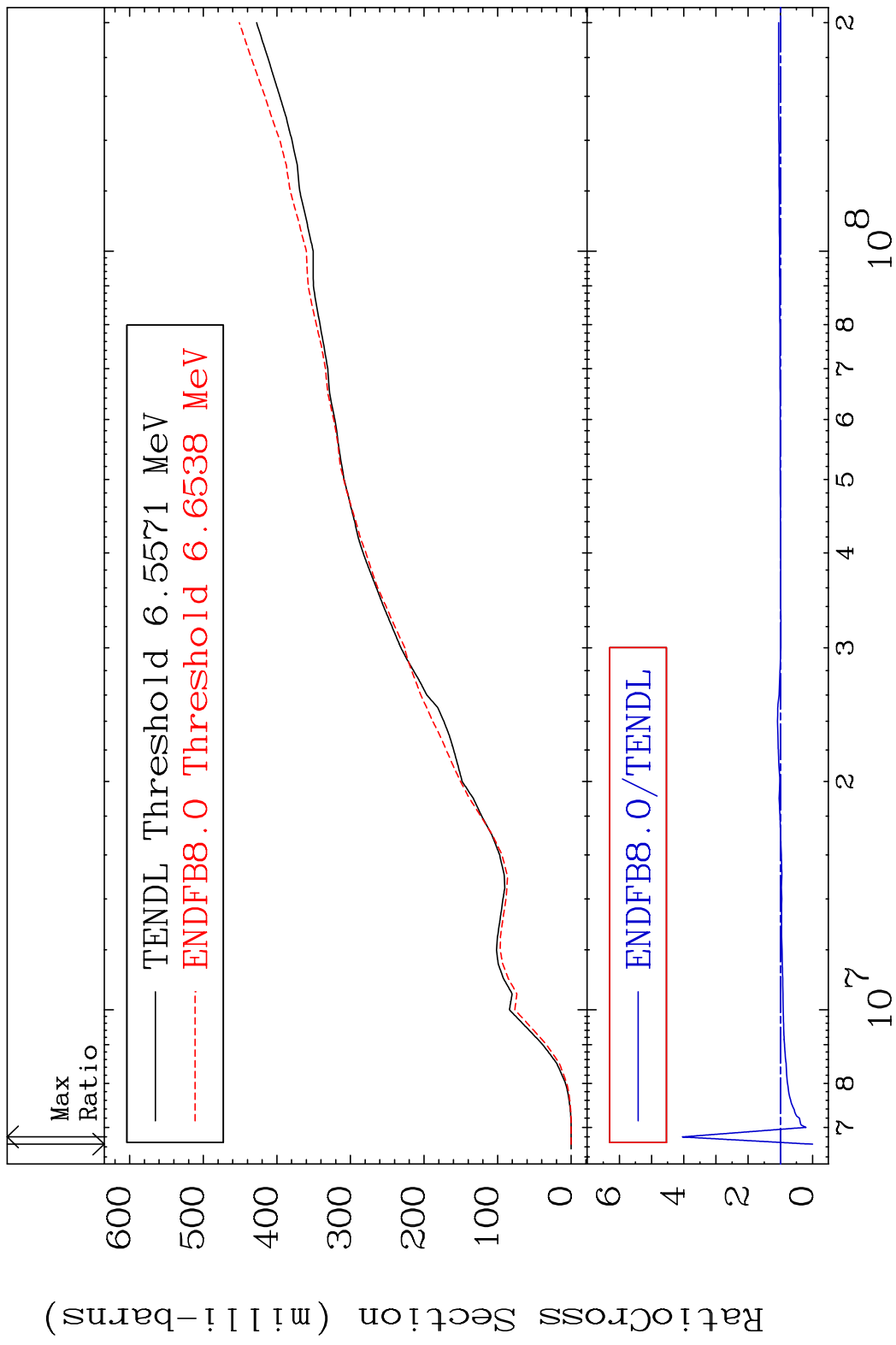
MAT 1025 (n,p) t 10-Ne-20
 Cross Section -100.0 To 338.2 %



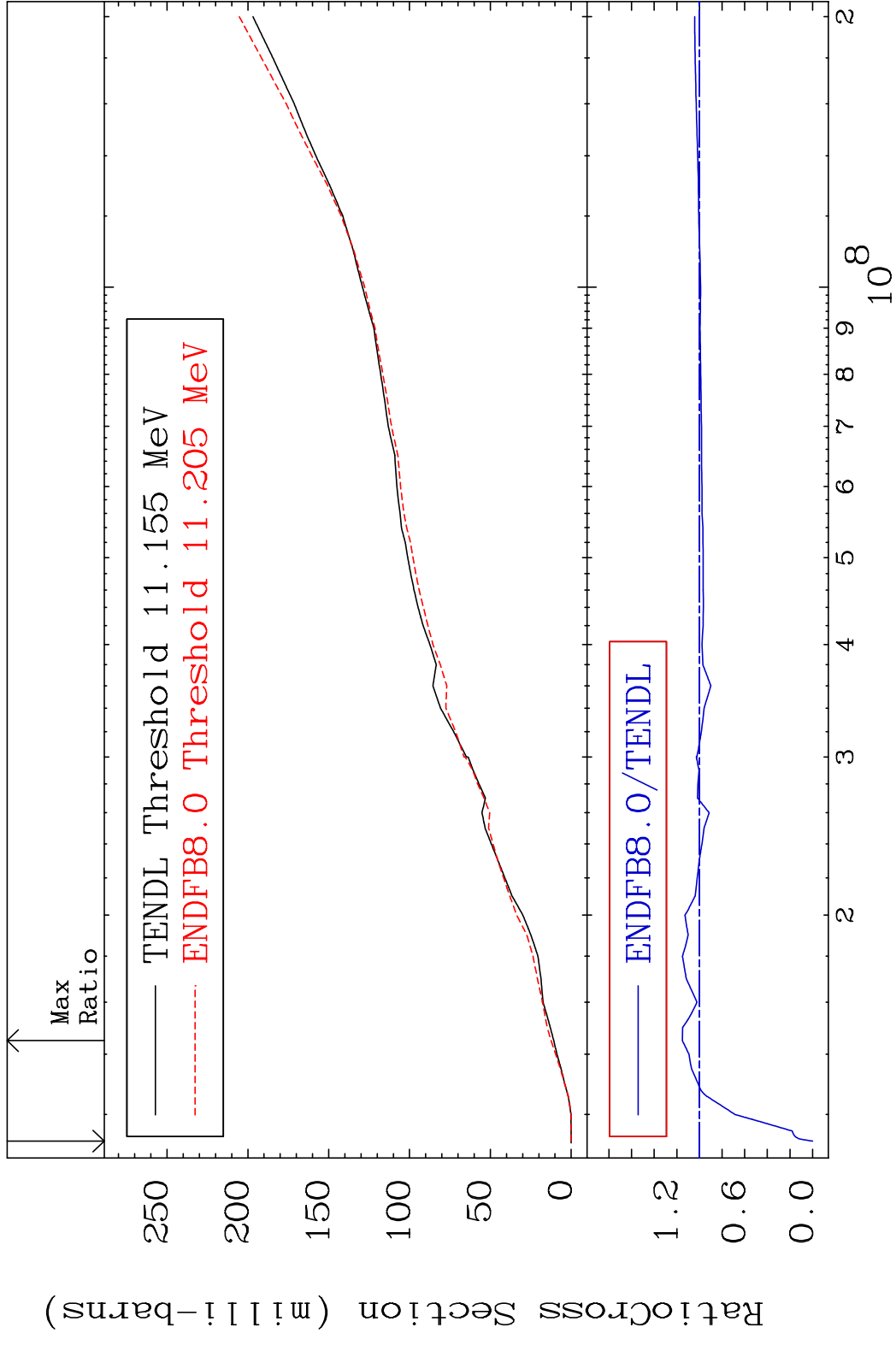
MAT 1025 (n,d) α 10-Ne-20
 Cross Section -100.0 To 6.293 %



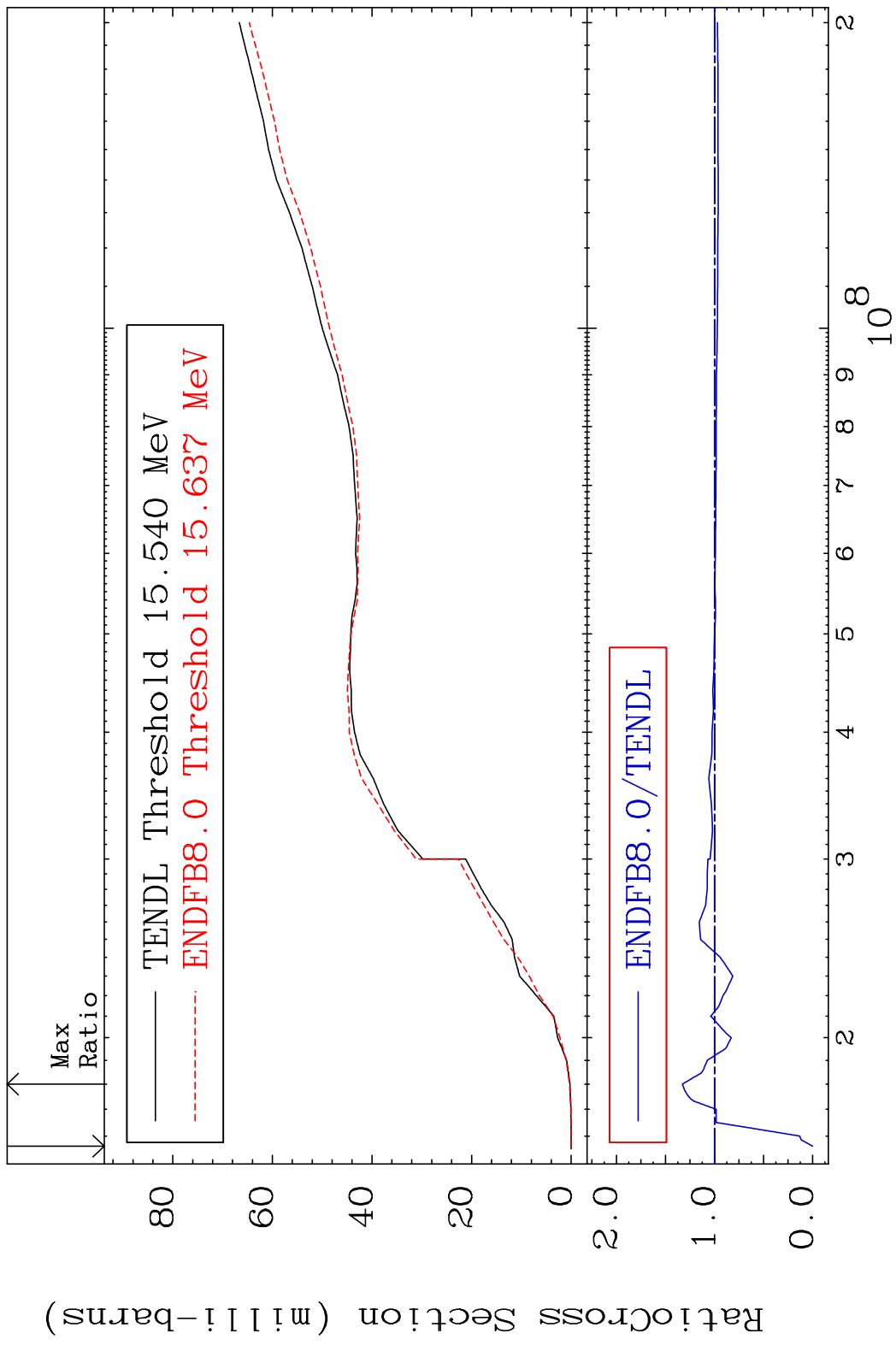
MAT 1025 Hydrogen Production 10-Ne-20
 Cross Section -100.0 To 304.3 %



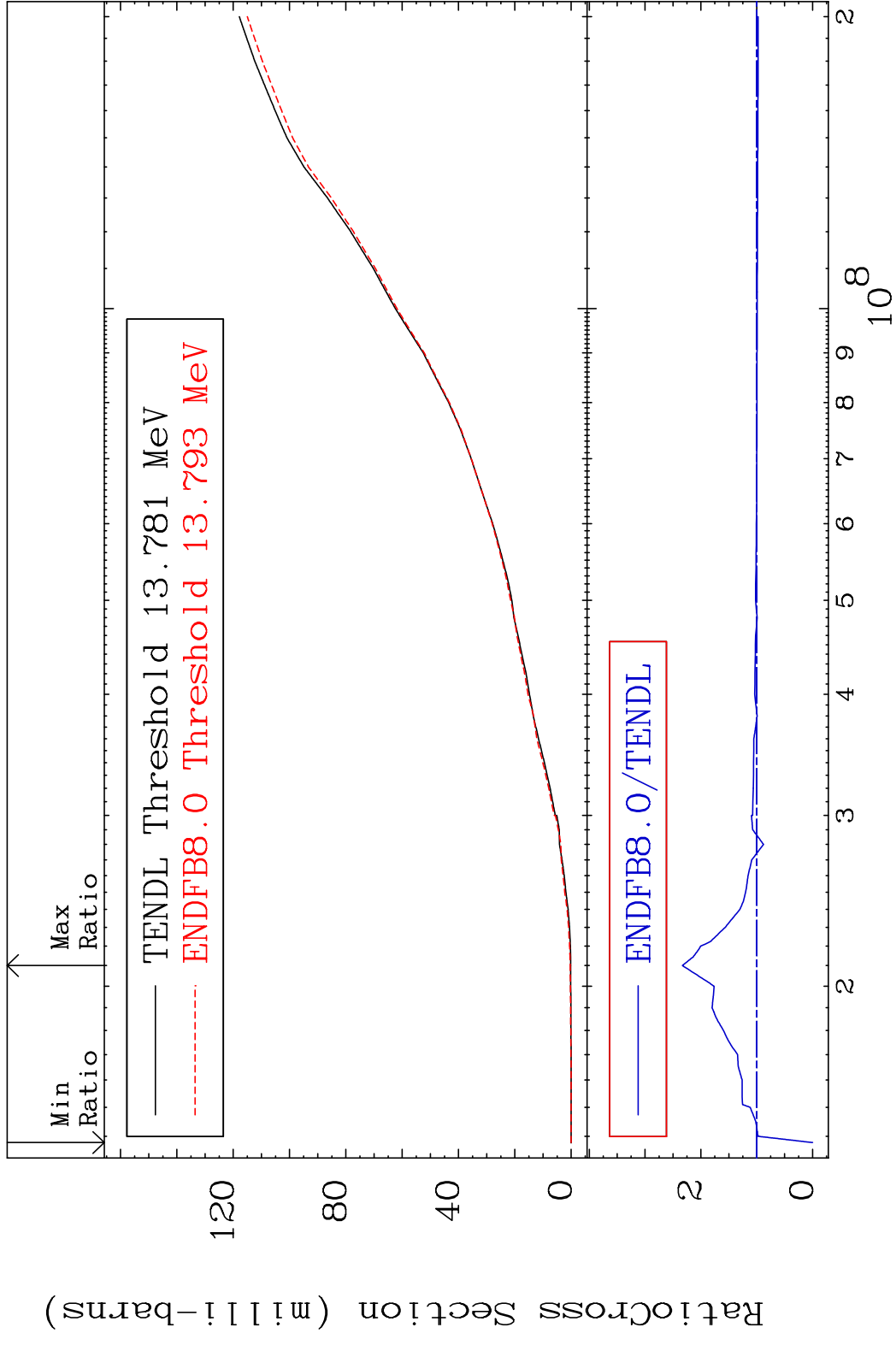
MAT 1025 Deuterium Production 10-Ne-20
 Cross Section -100.0 To 15.13 %



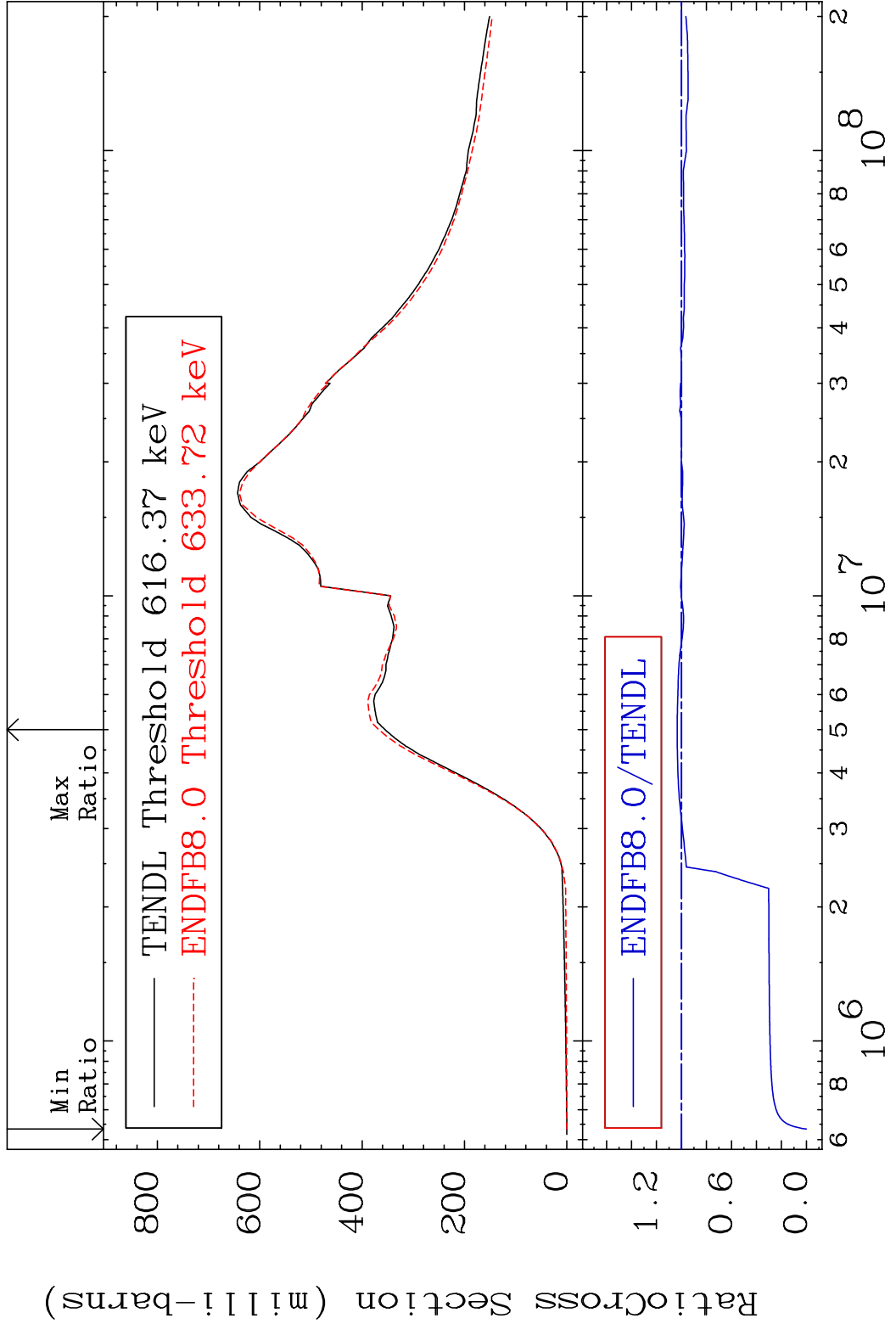
MAT 1025 Tritium Production 10-Ne-20
 Cross Section -100.0 To 32.79 %



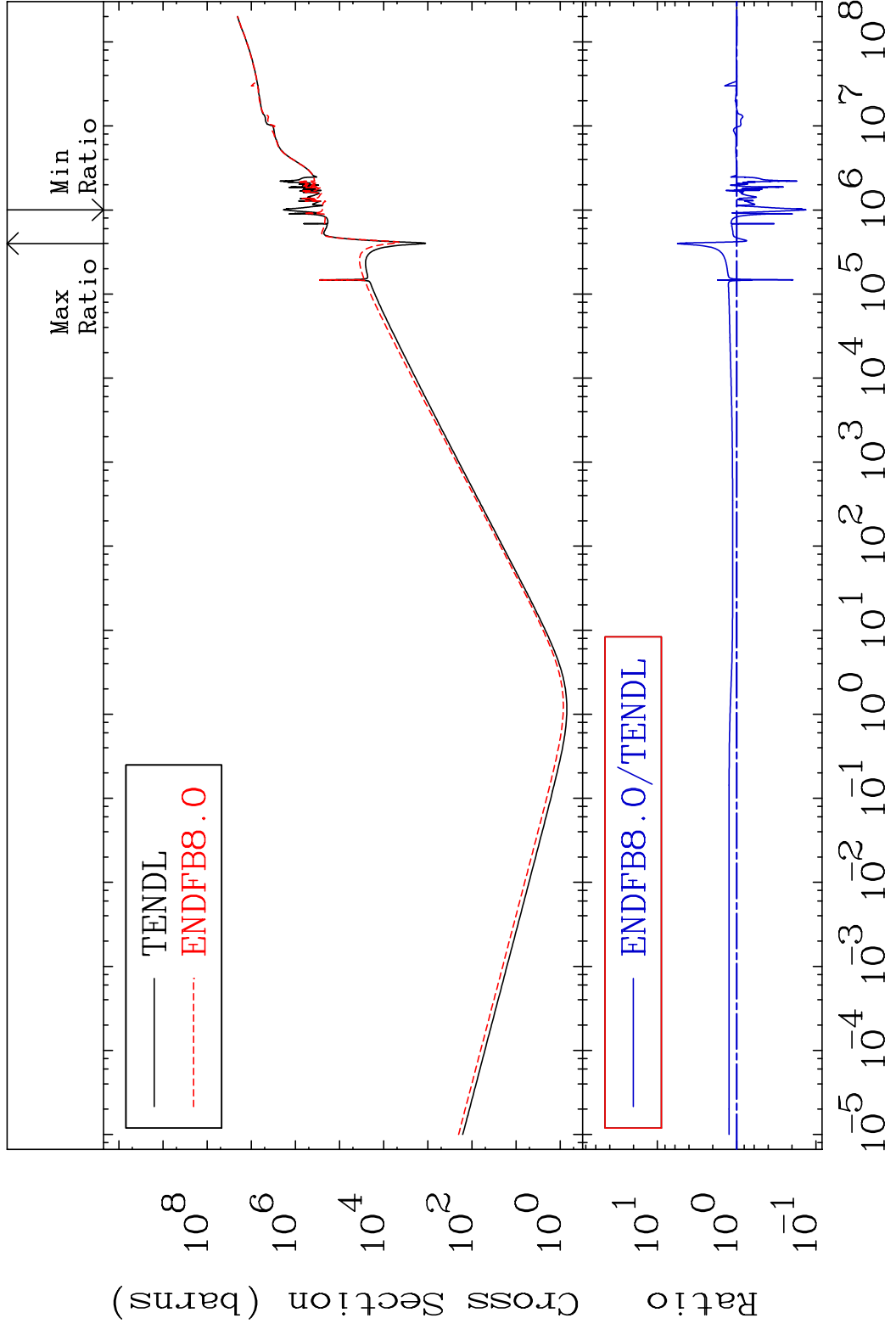
MAT 1025 He-3 Production 10-Ne-20
 Cross Section -100.0 To 133.2 %



MAT 1025 He-4 Production 10-Ne-20
 Cross Section -100.0 To 3.426 %



MAT 1025 Kerma total (eV-barns) 10-Ne-20
 Cross Section -86.83 To 462.7 %

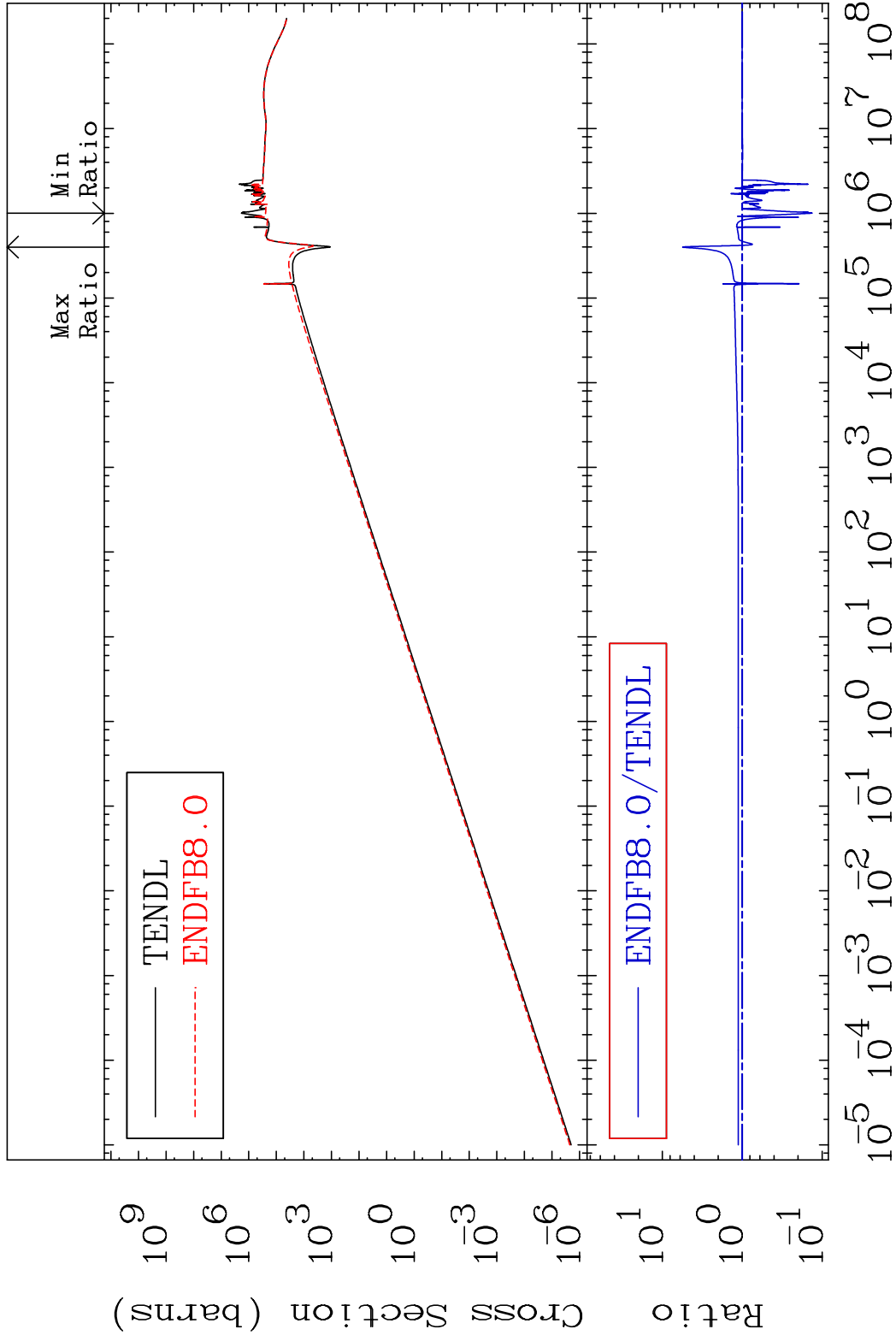


56 Incident Energy (eV) 10-Ne-20

MAT 1025

Kerma elastic
Cross Section

10-Ne-20
-86.84 To 462.7 %

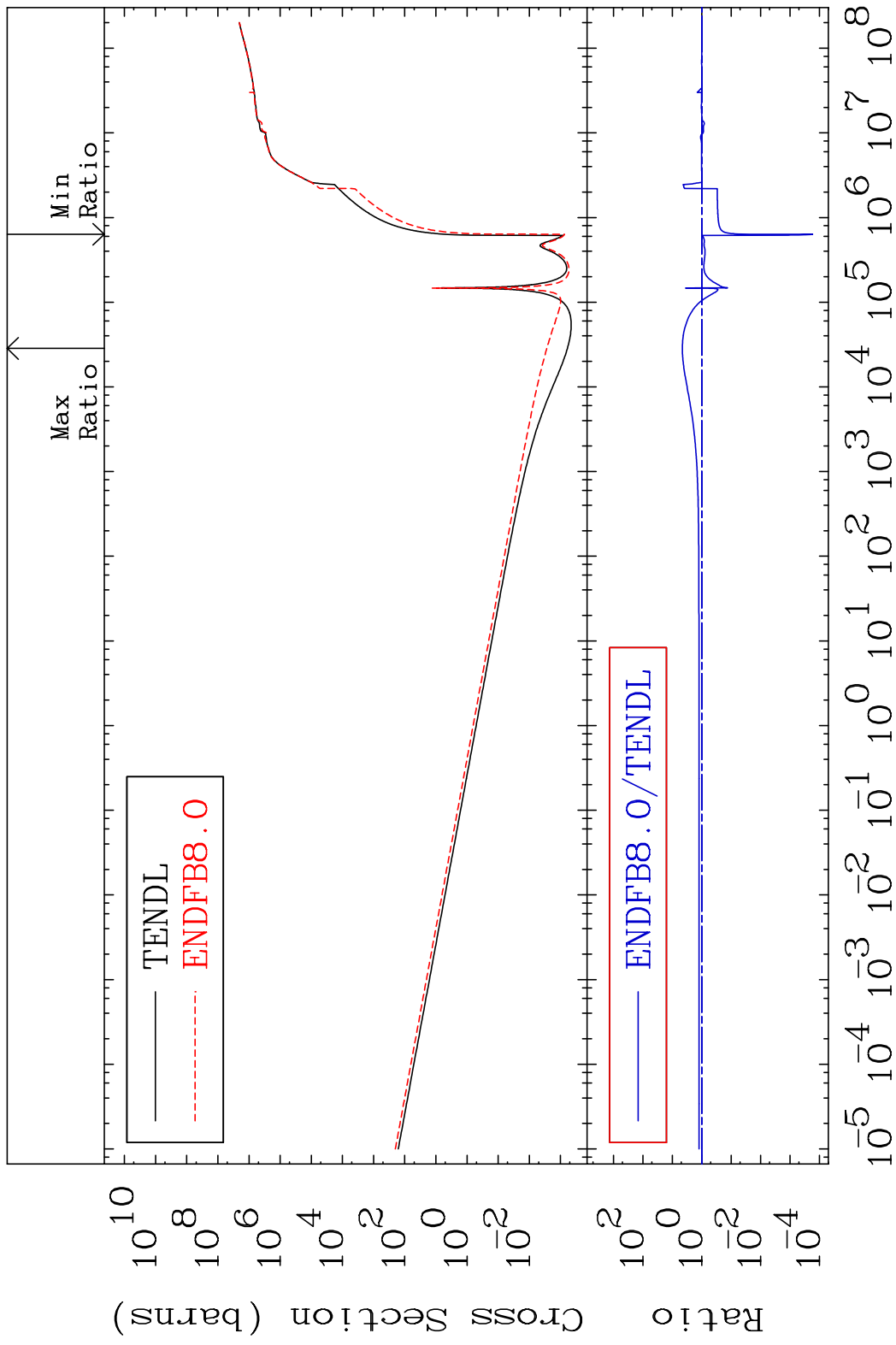


57

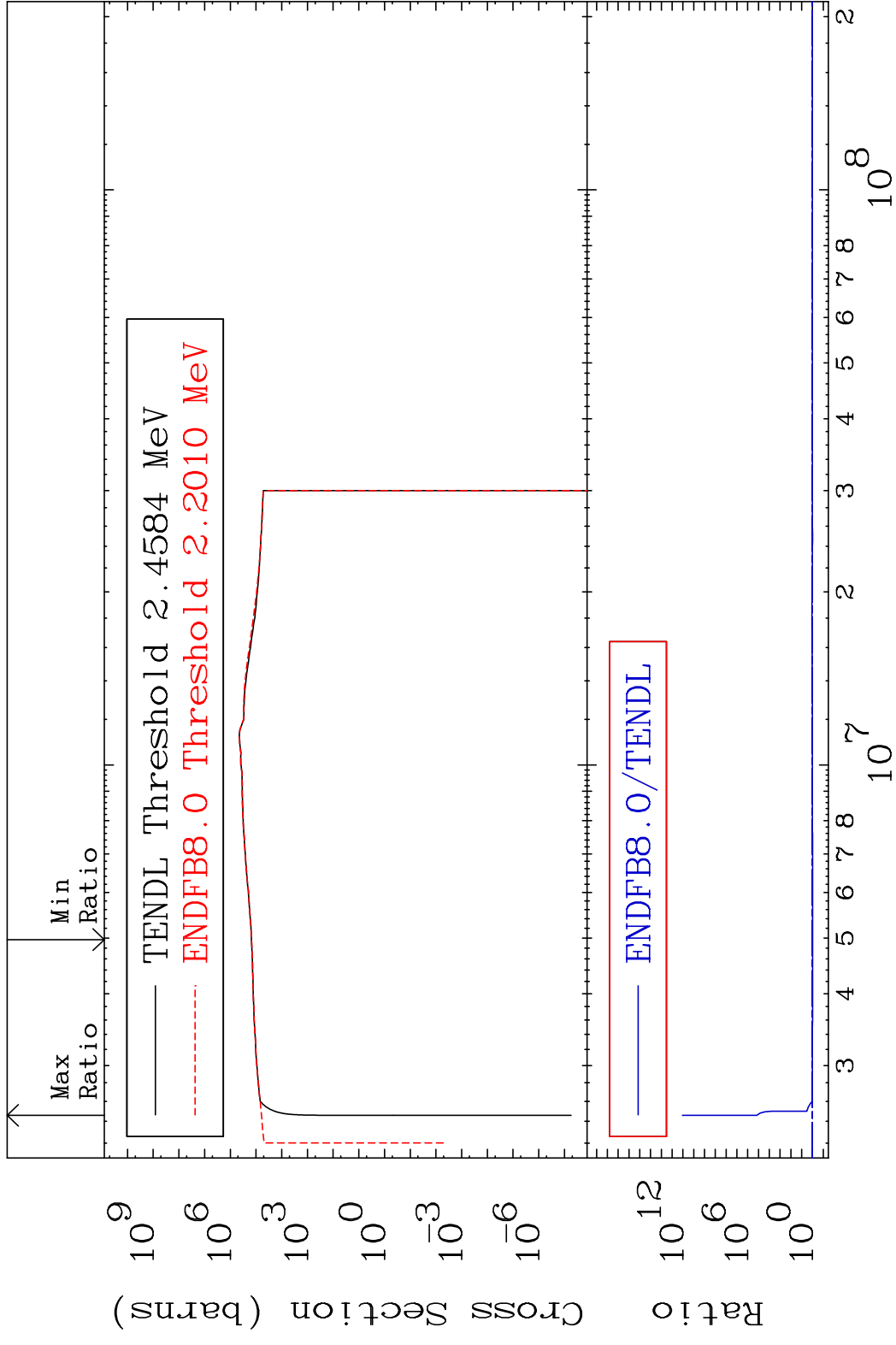
Incident Energy (eV)

10-Ne-20

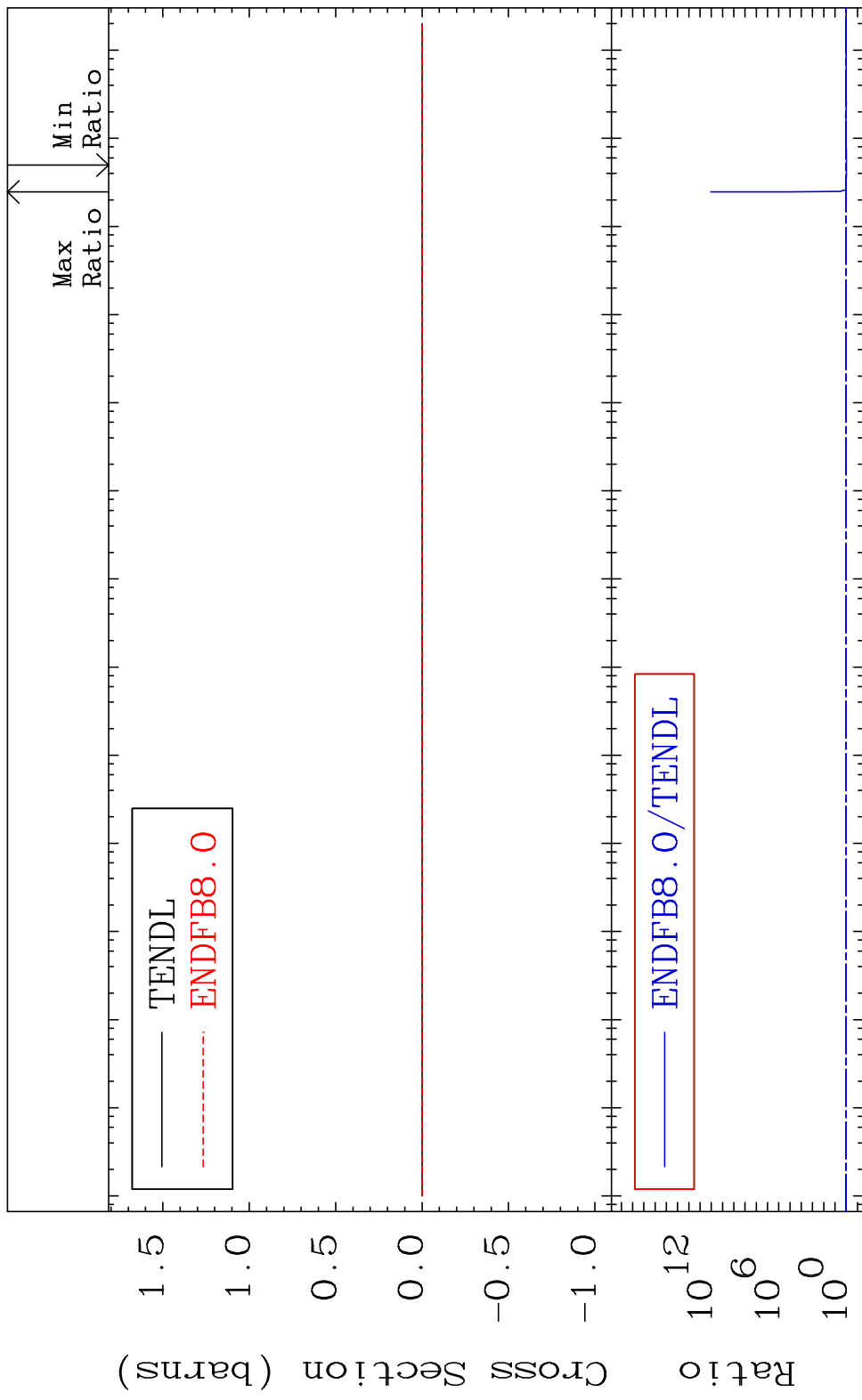
MAT 1025 Kerma non-elastic (all but mt2) 10-Ne-20
 Cross Section -99.98 To 358.4 %



MAT 1025 Kerma inelastic (mt51-91) 10-Ne-20
 Cross Section -1.573 To 9999. %



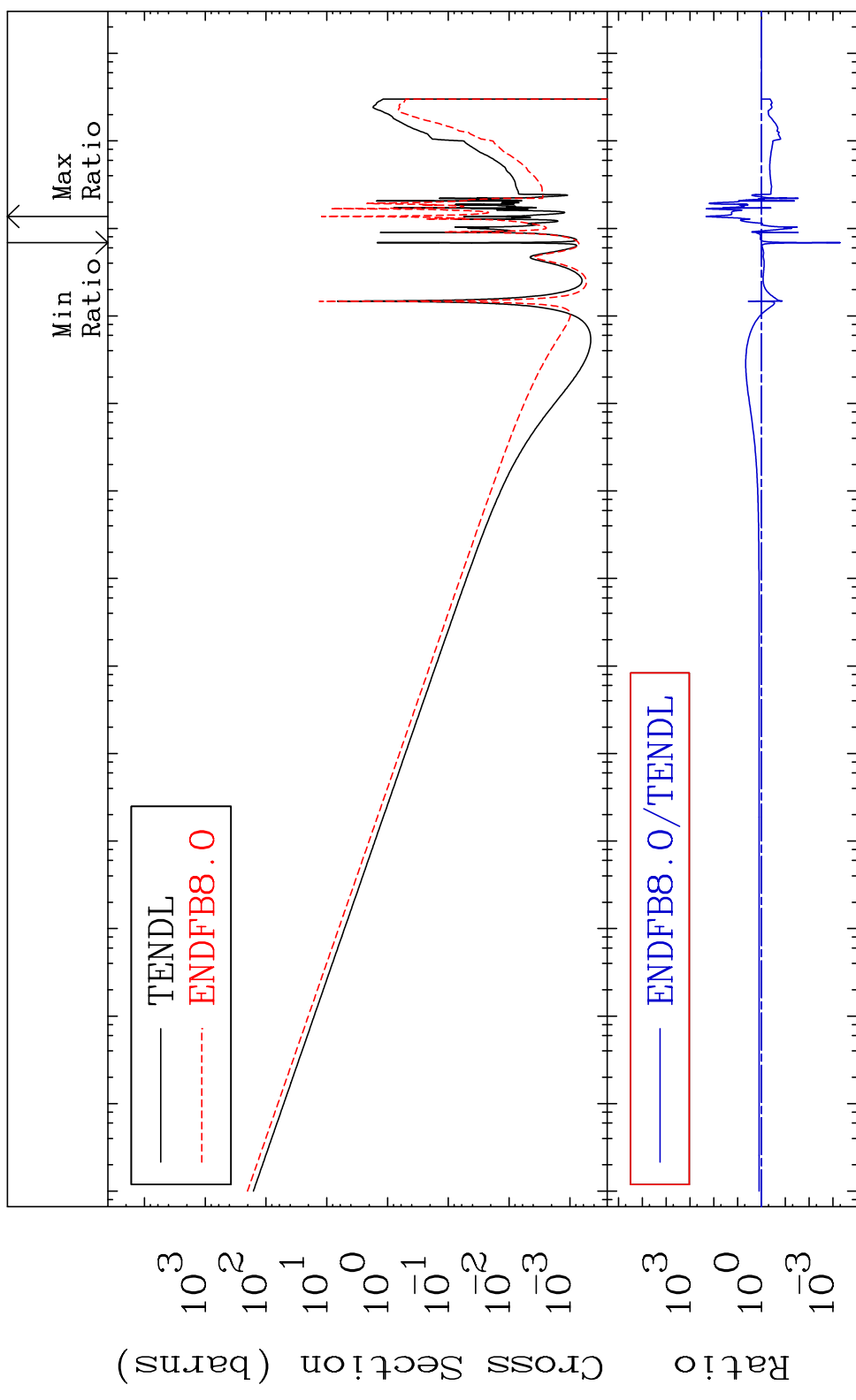
MAT 1025 Kerma fission (mt18 or mt19-20-21-38) 10-Ne-20
 Cross Section -1.573 To 9999. %



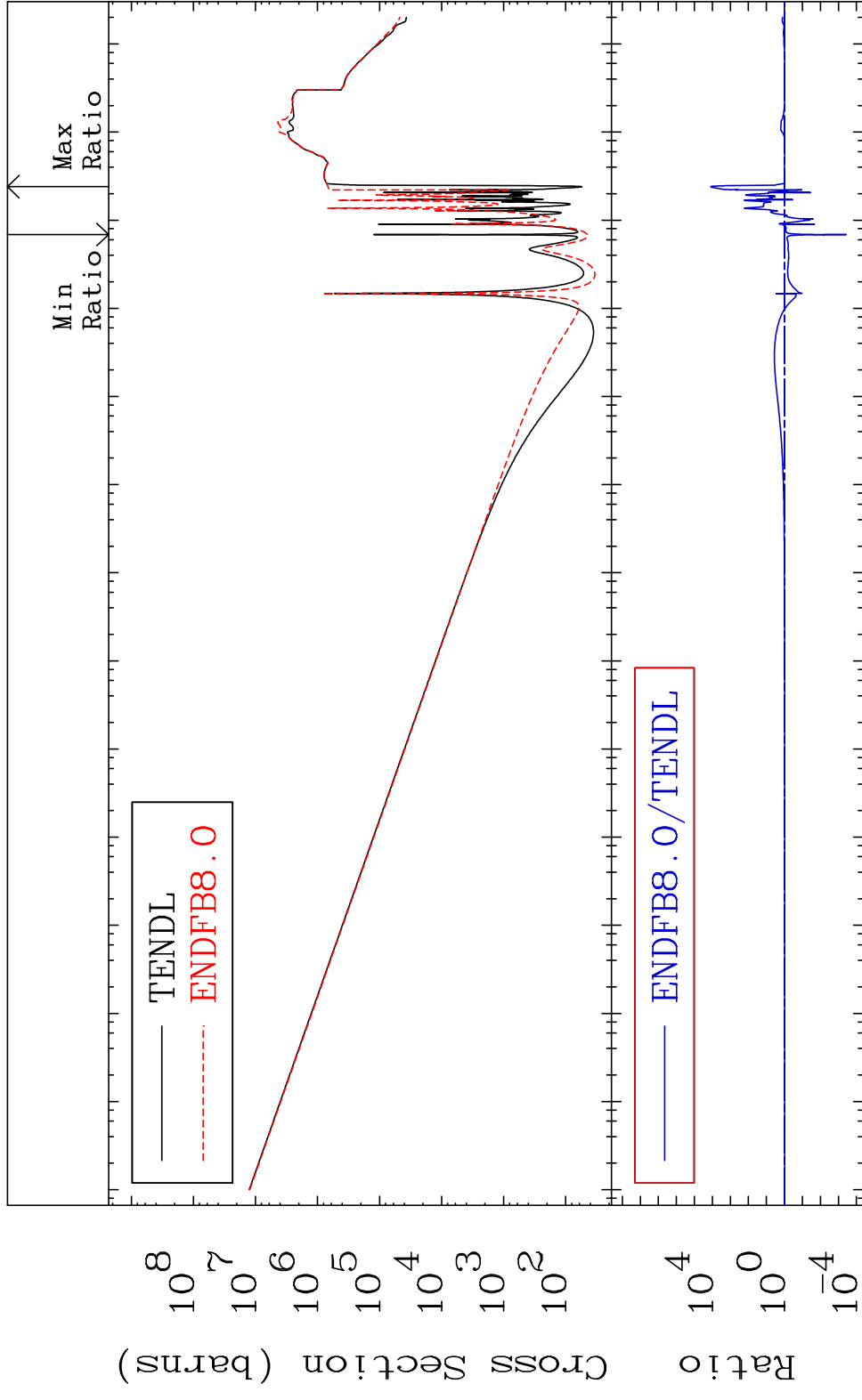
60 Incident Energy (eV) 10-Ne-20

MAT 1025

Kerma capture (mt102) 10-Ne-20
Cross Section -99.95 To 9999. %

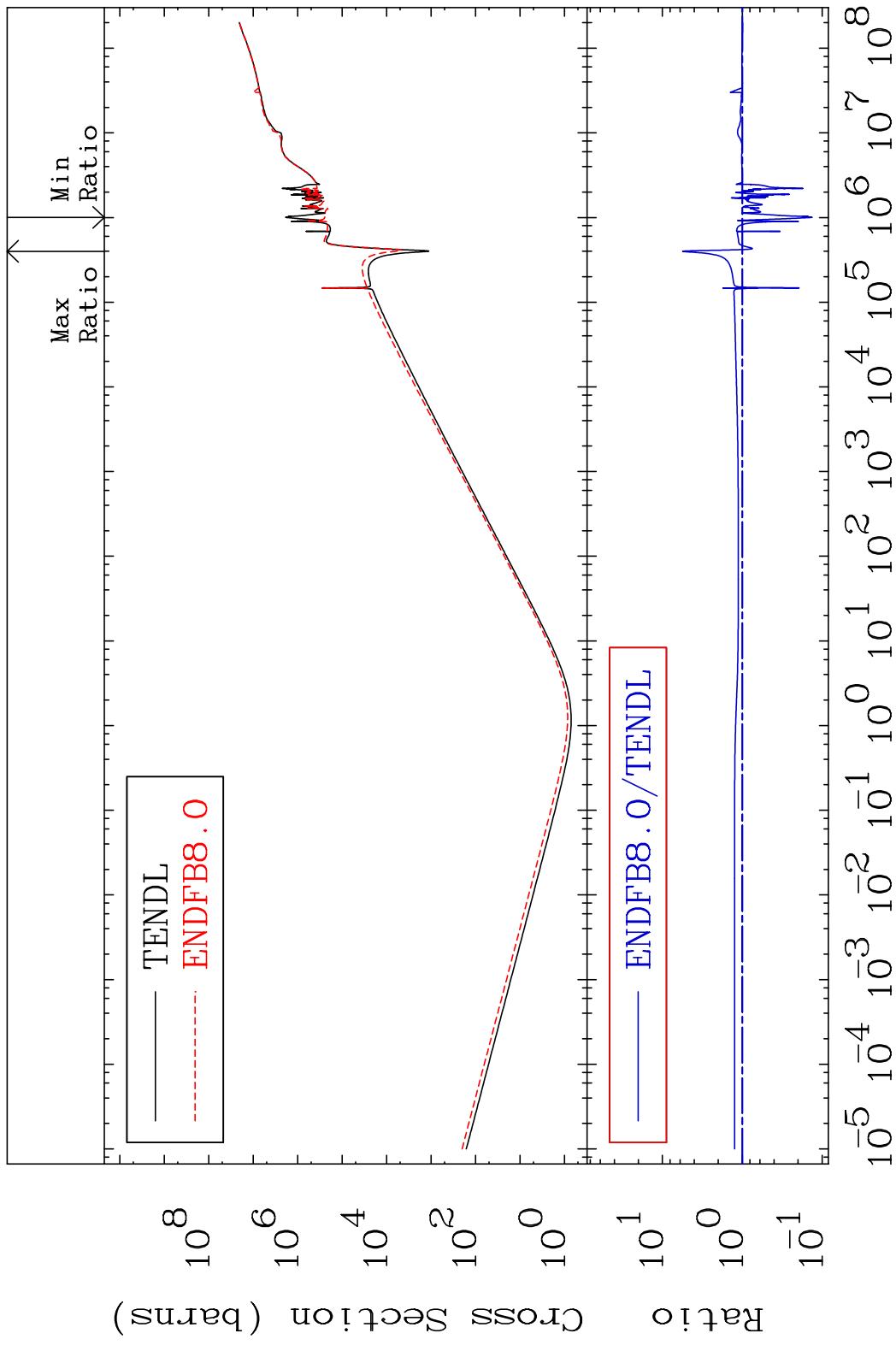


MAT 1025 Total photon (eV-barns) 10-Ne-20
 Cross Section -99.96 To 9999. %

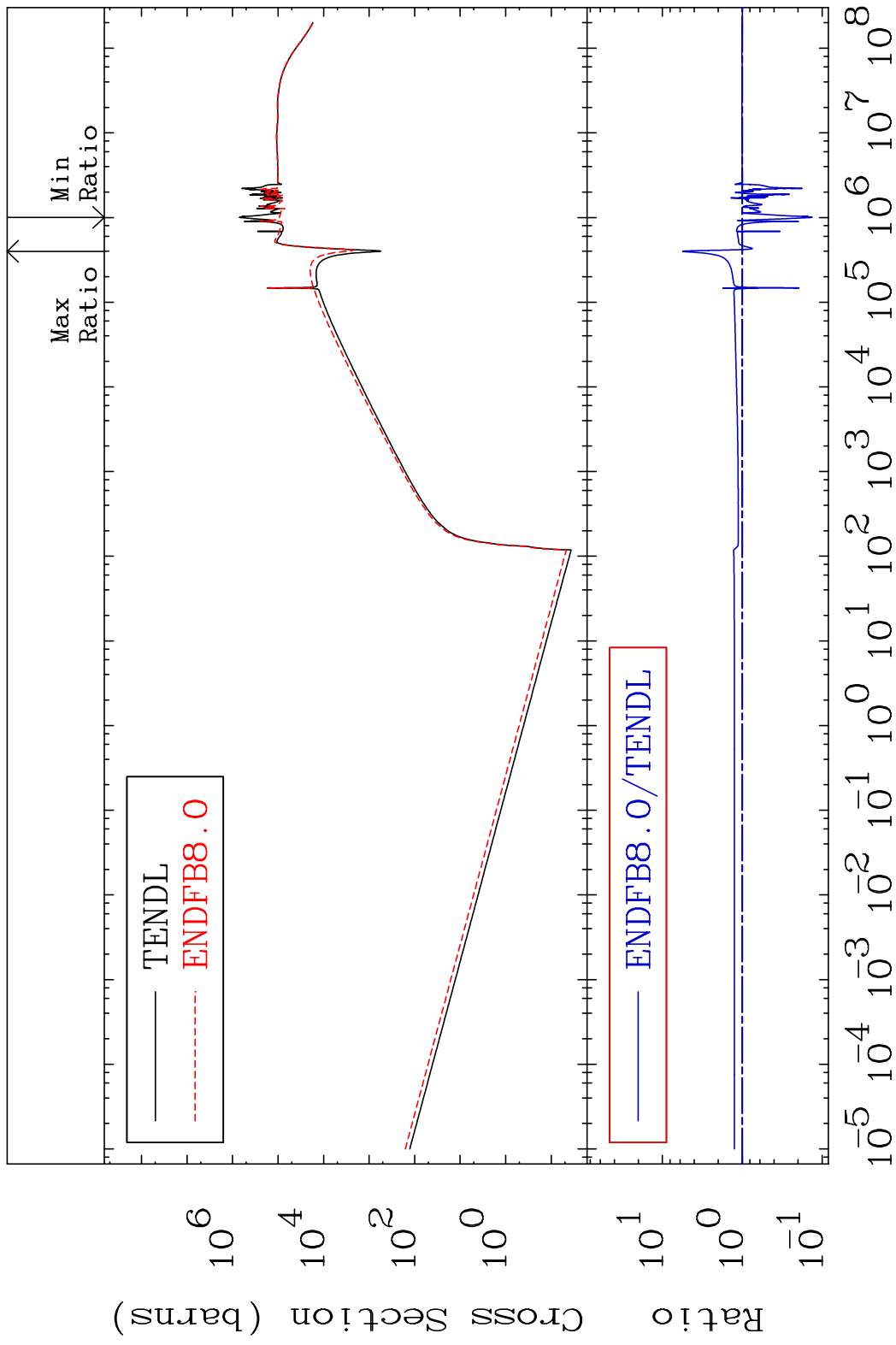


62 Incident Energy (eV) 10-Ne-20

MAT 1025 Total kinematic kerma (high limit) 10-Ne-20
 Cross Section -86.83 To 462.7 %

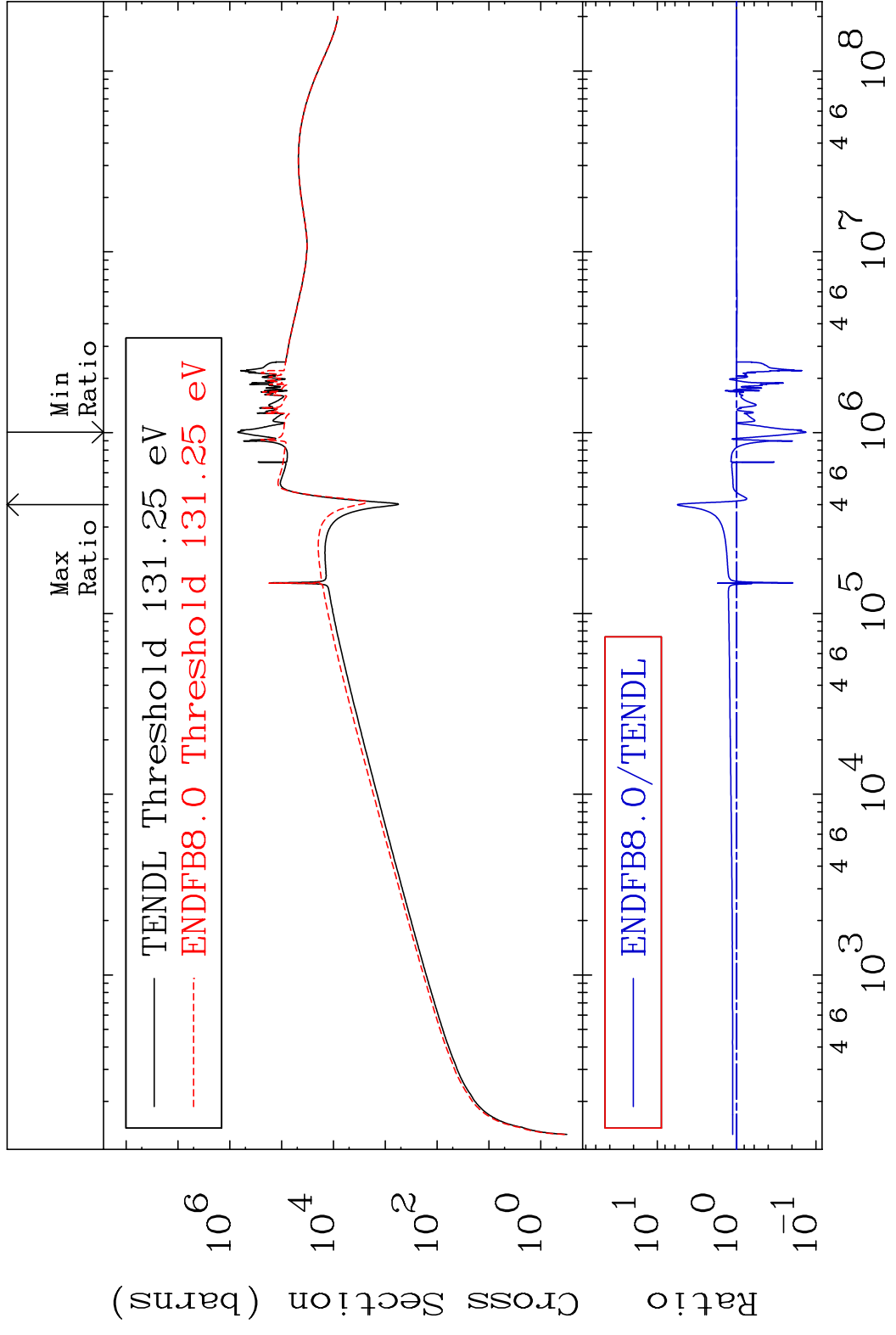


MAT 1025 Dpa total (eV-barns) 10-Ne-20
 Cross Section -86.83 To 462.7 %

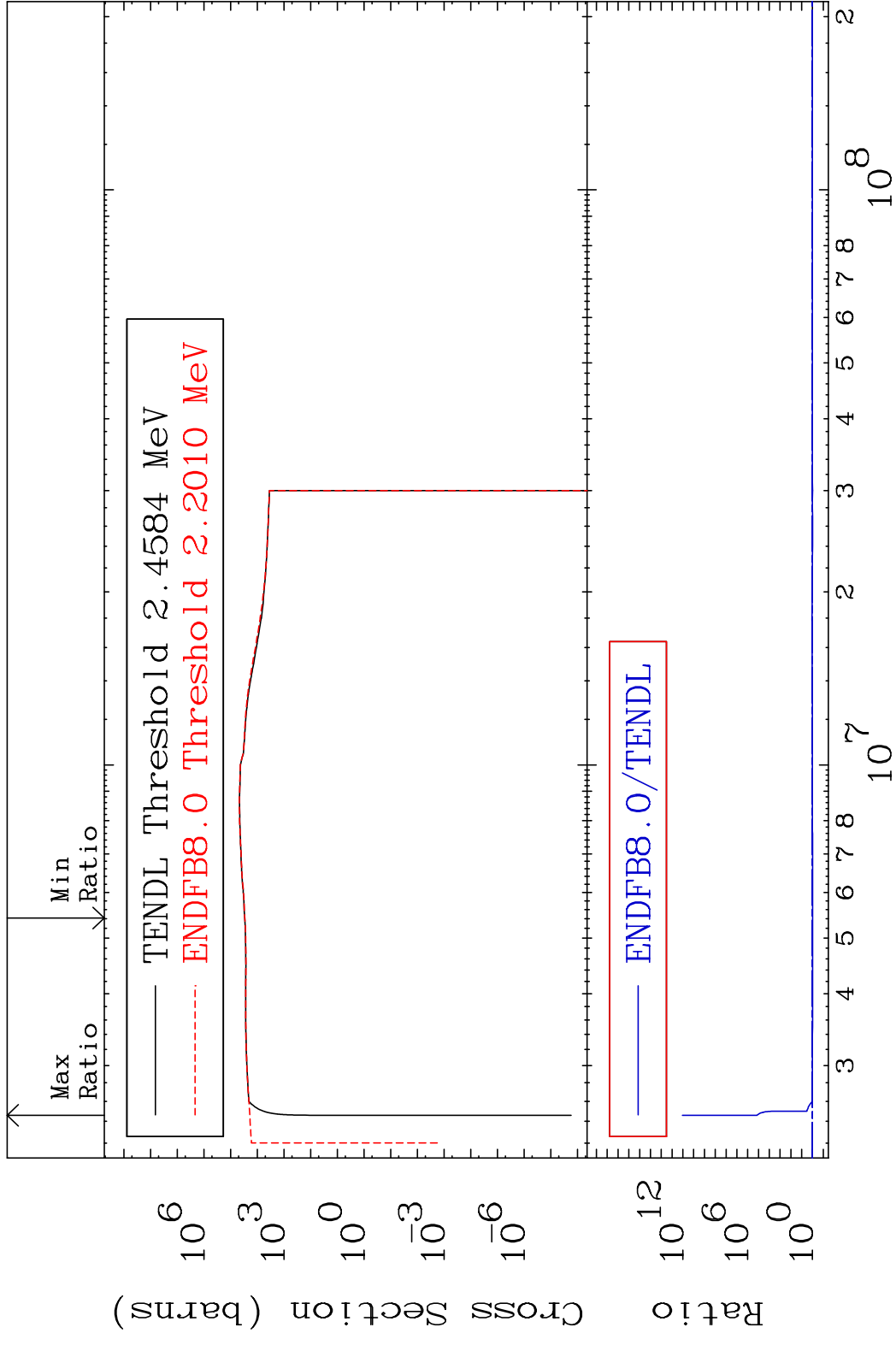


64 Incident Energy (eV) 10-Ne-20

MAT 1025 Dpa elastic (mt2) 10-Ne-20
 Cross Section -86.84 To 462.7 %



MAT 1025 Dpa inelastic (mt51-91) 10-Ne-20
 Cross Section -1.511 To 9999. %



MAT 1025 Dpa disappearance (mt102 -120) 10-Ne-20
 Cross Section -99.92 To 361.0 %

