

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

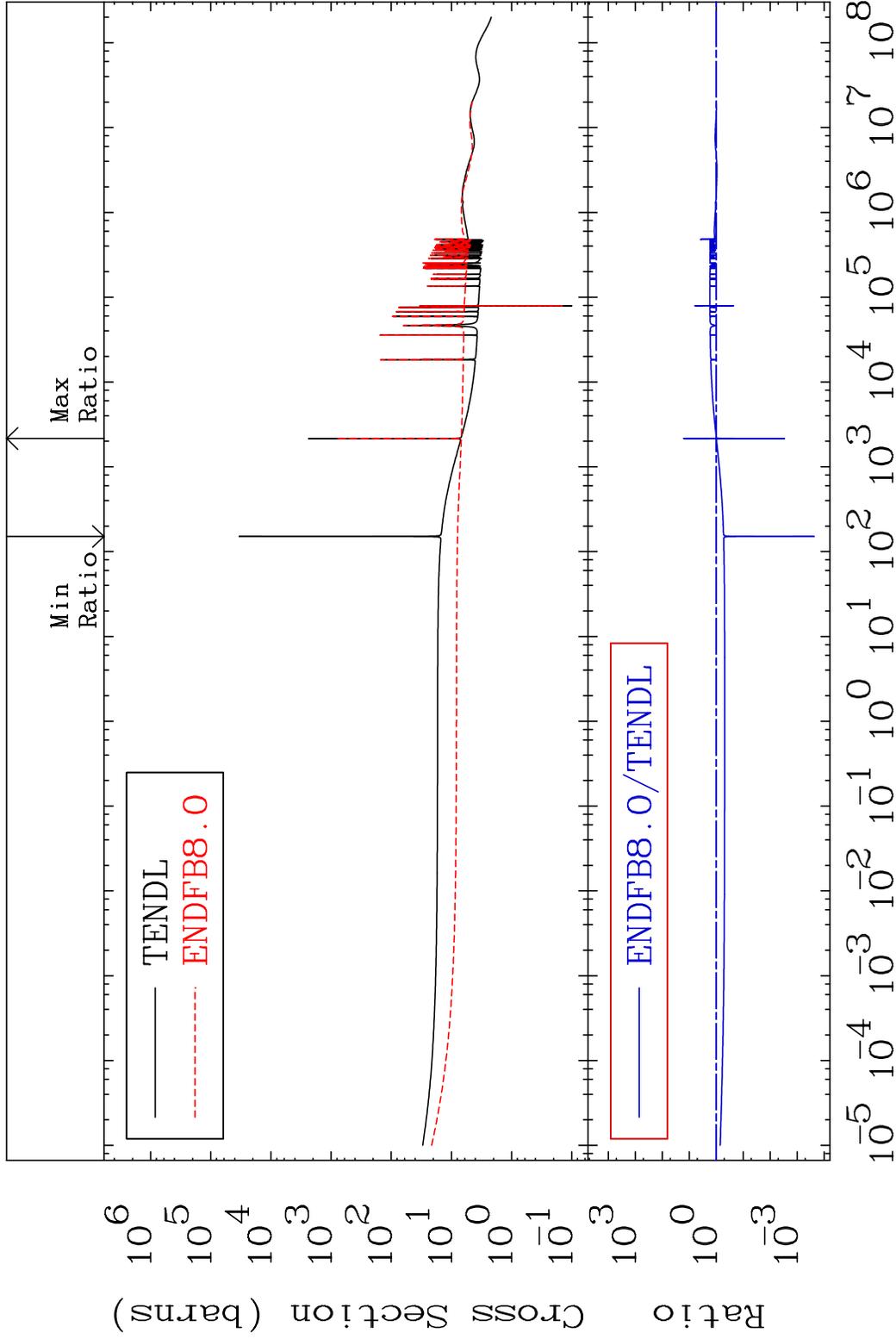
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5461

Total Cross Section -99.98 To 1525. %
54-Xe-136



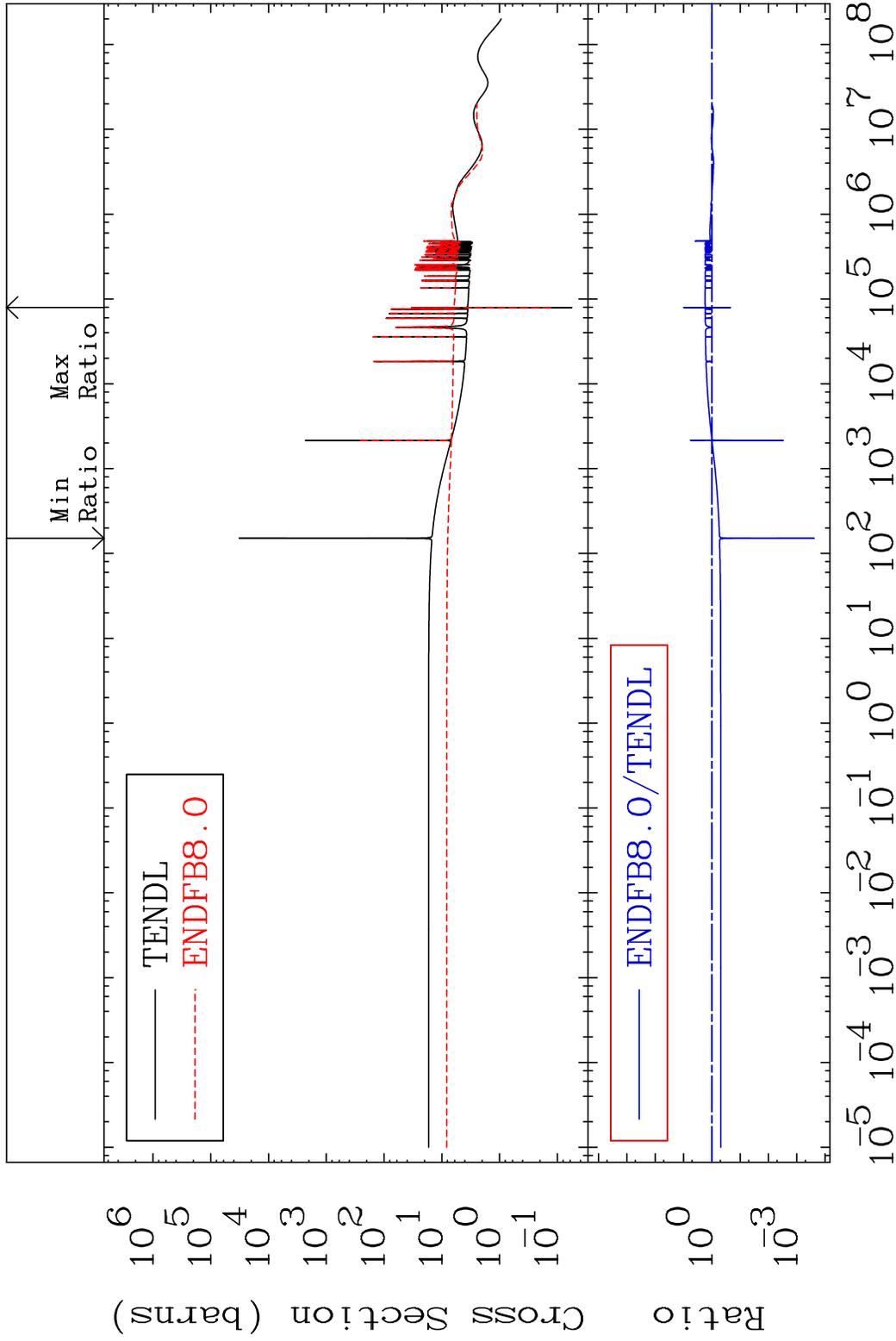
1 Incident Energy (eV) 54-Xe-136

MAT 5461

Elastic

54-Xe-136

Cross Section -99.98 To 894.3 %

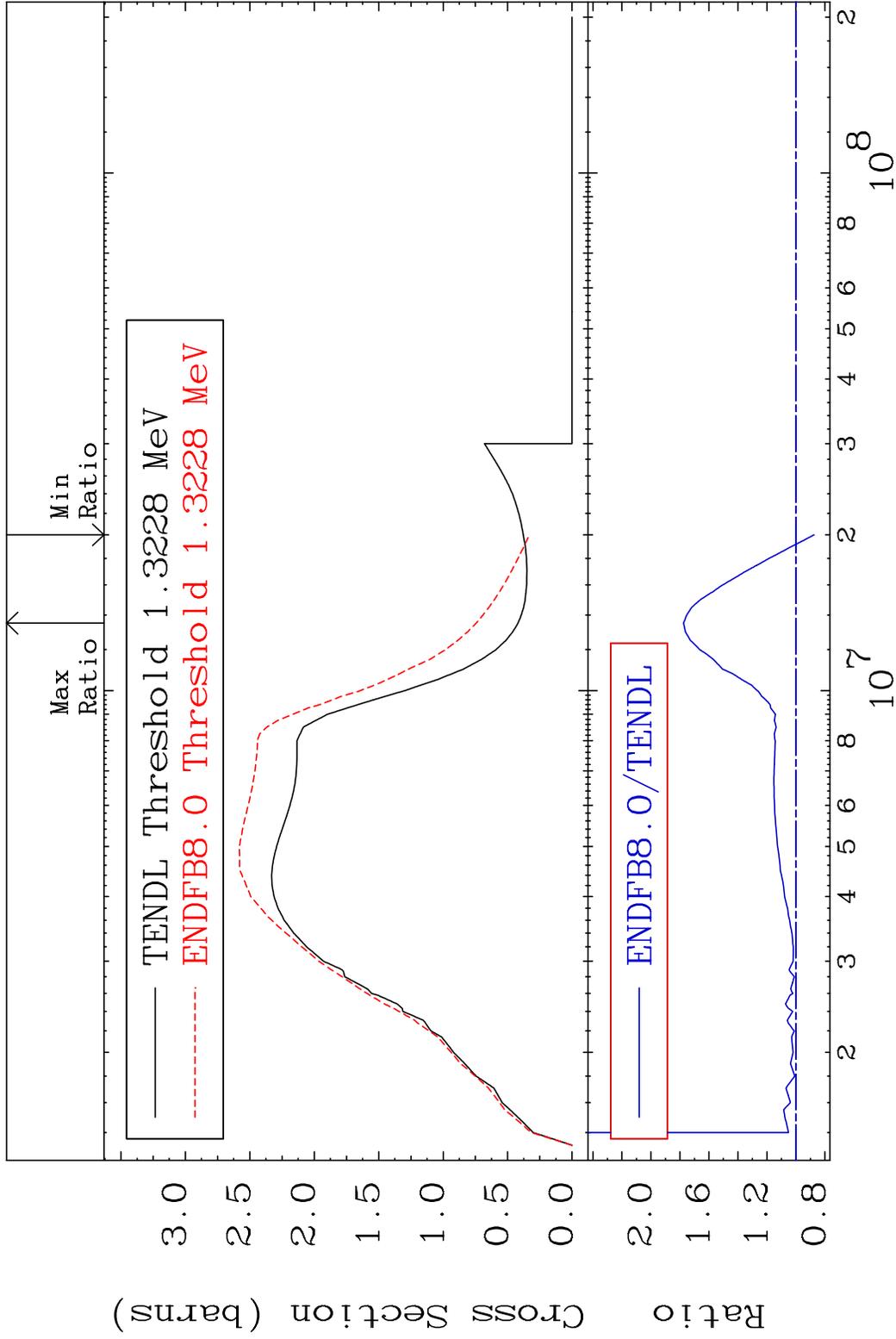


2

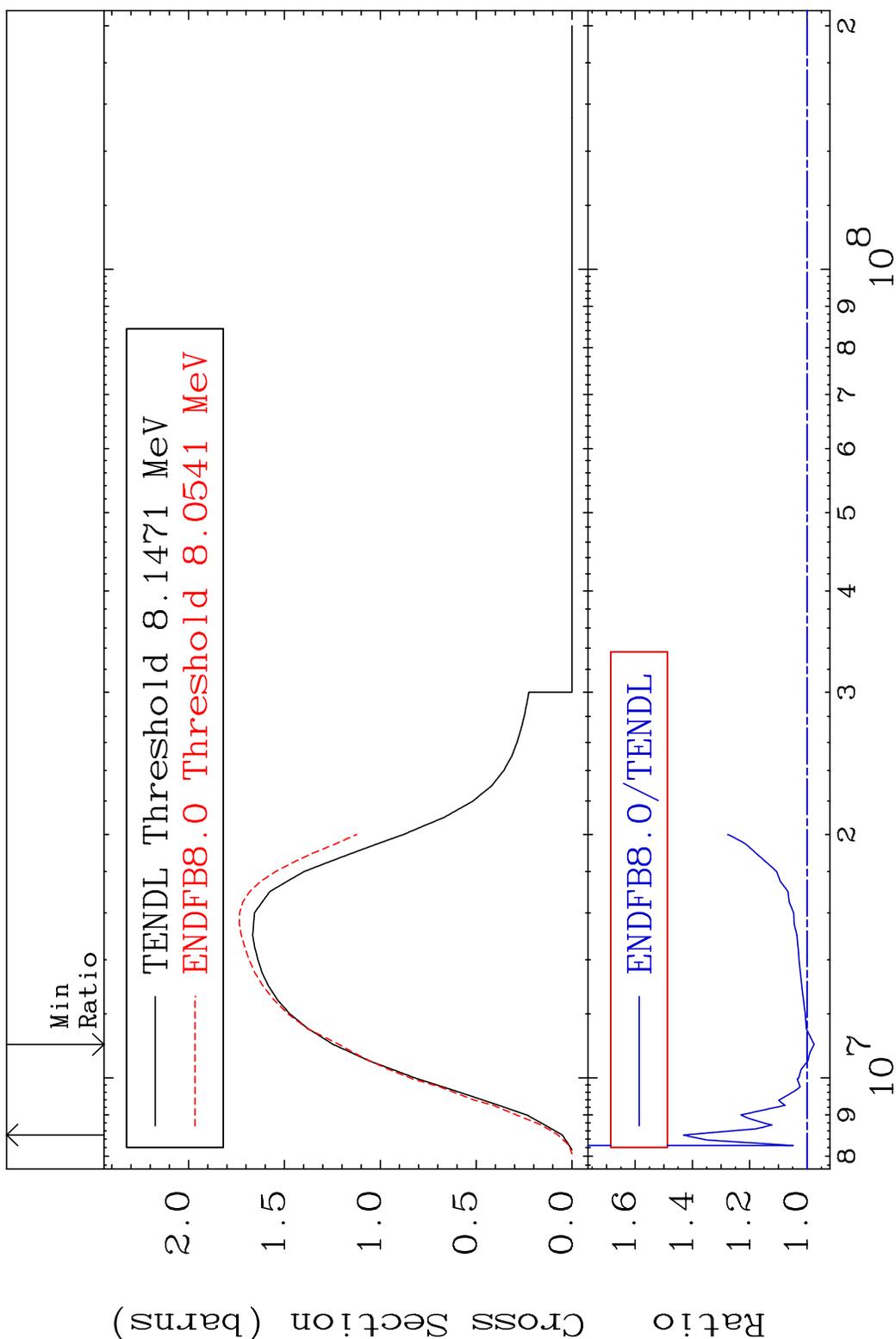
Incident Energy (eV)

54-Xe-136

MAT 5461 Inelastic 54-Xe-136
 Cross Section -12.52 To 77.52 %

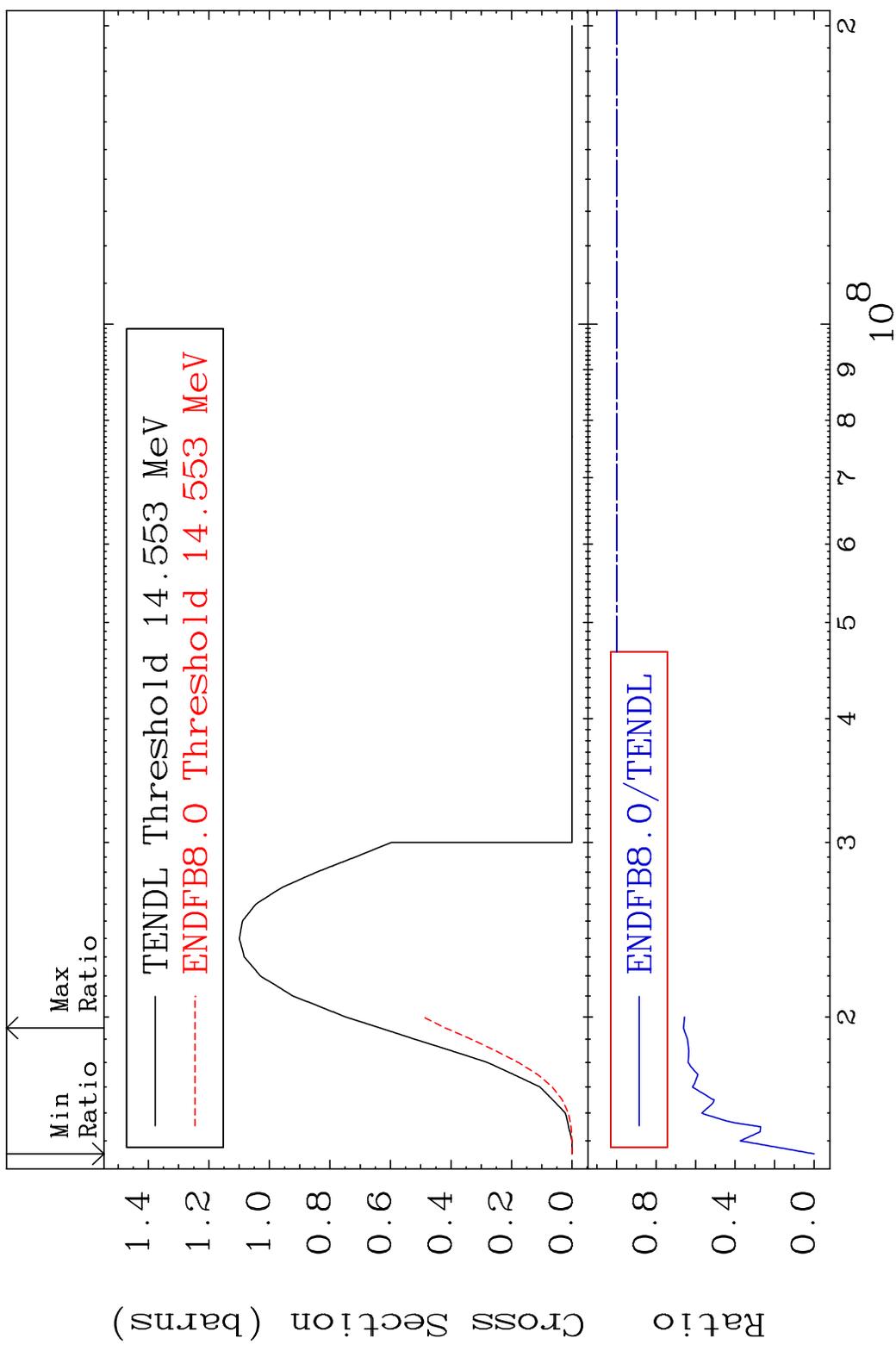


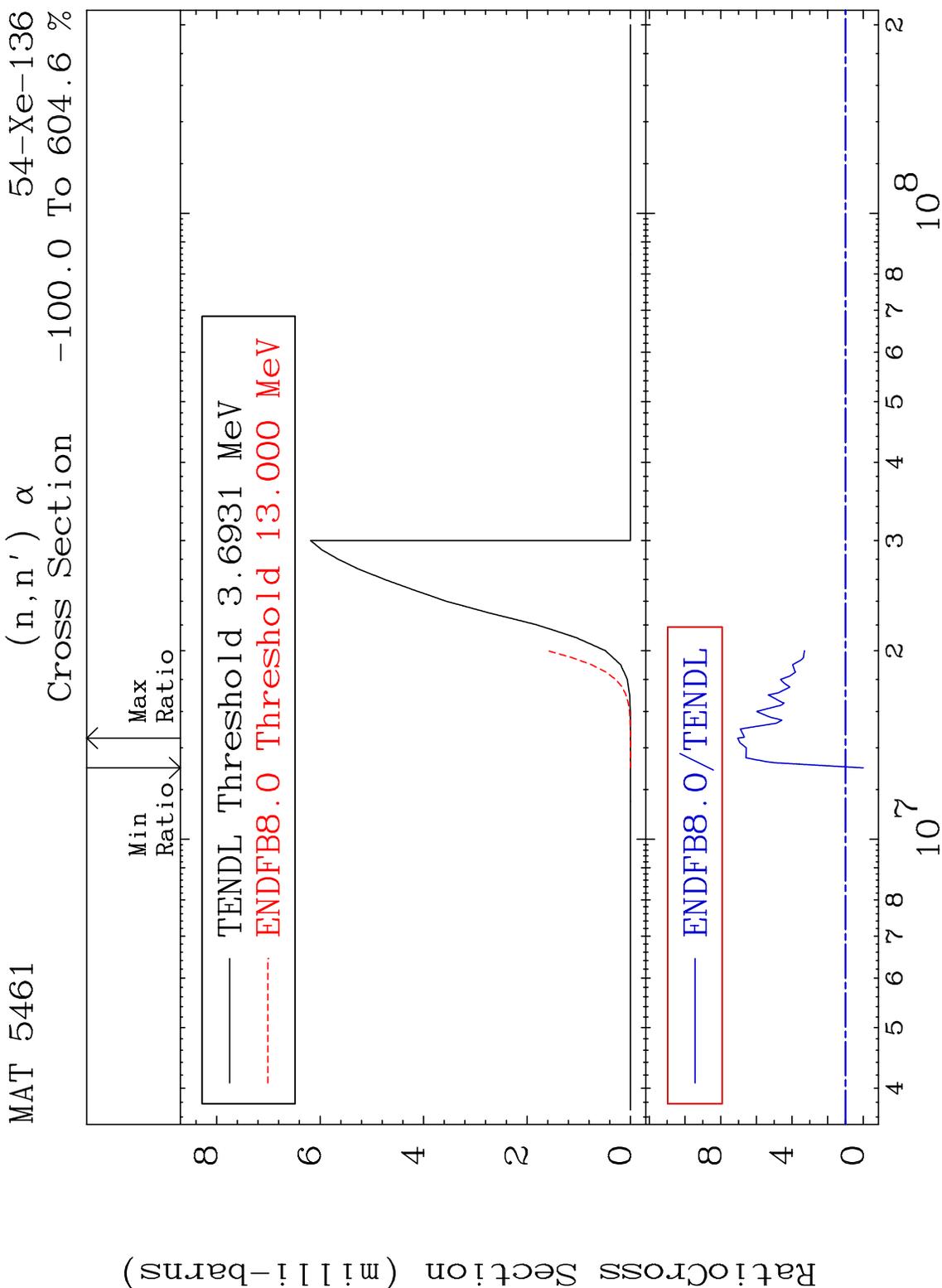
MAT 5461 (n,2n) 54-Xe-136
 Cross Section -2.461 To 43.11 %



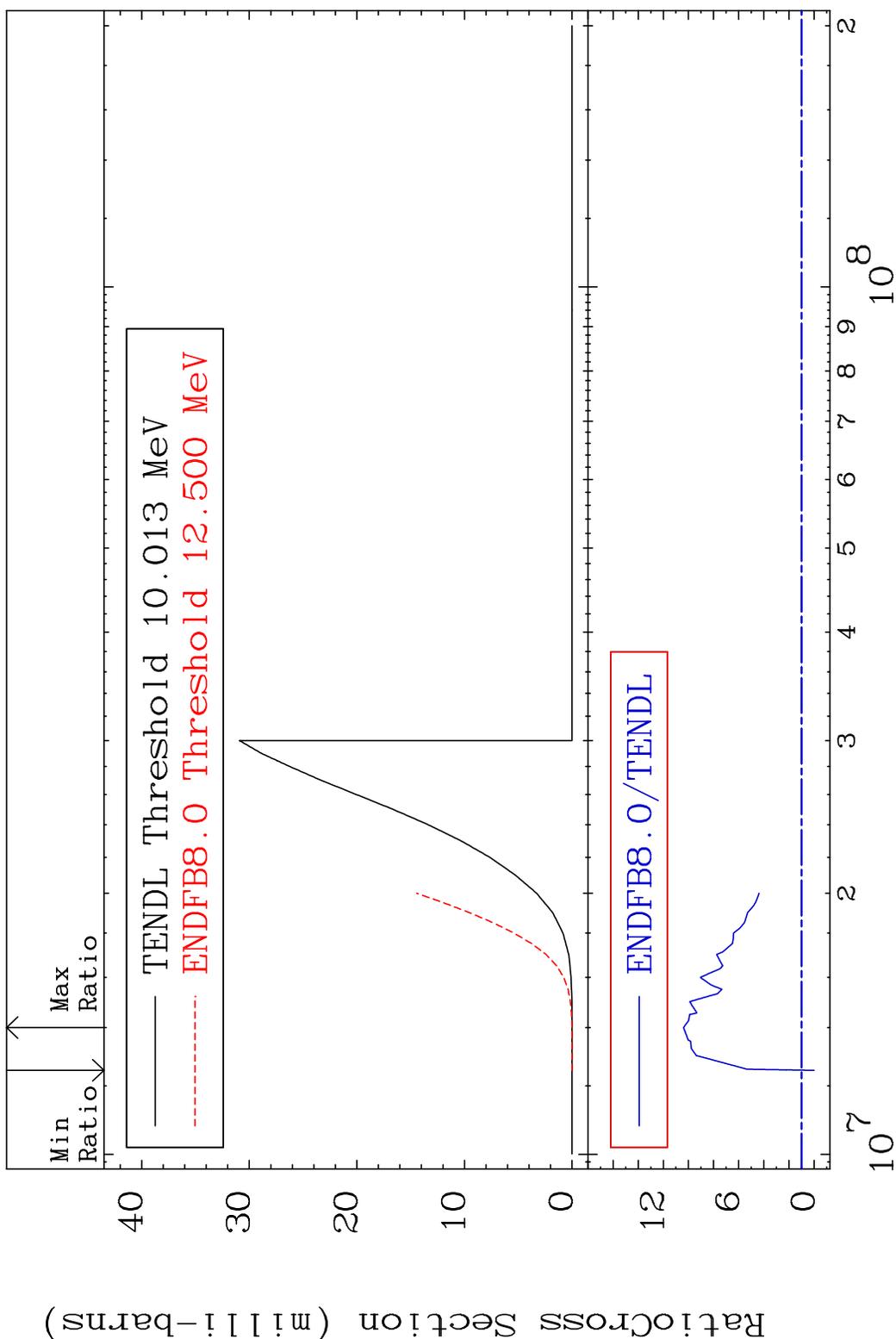
4 Incident Energy (eV) 54-Xe-136

MAT 5461 (n,3n) 54-Xe-136
 Cross Section -100.0 To -33.90%



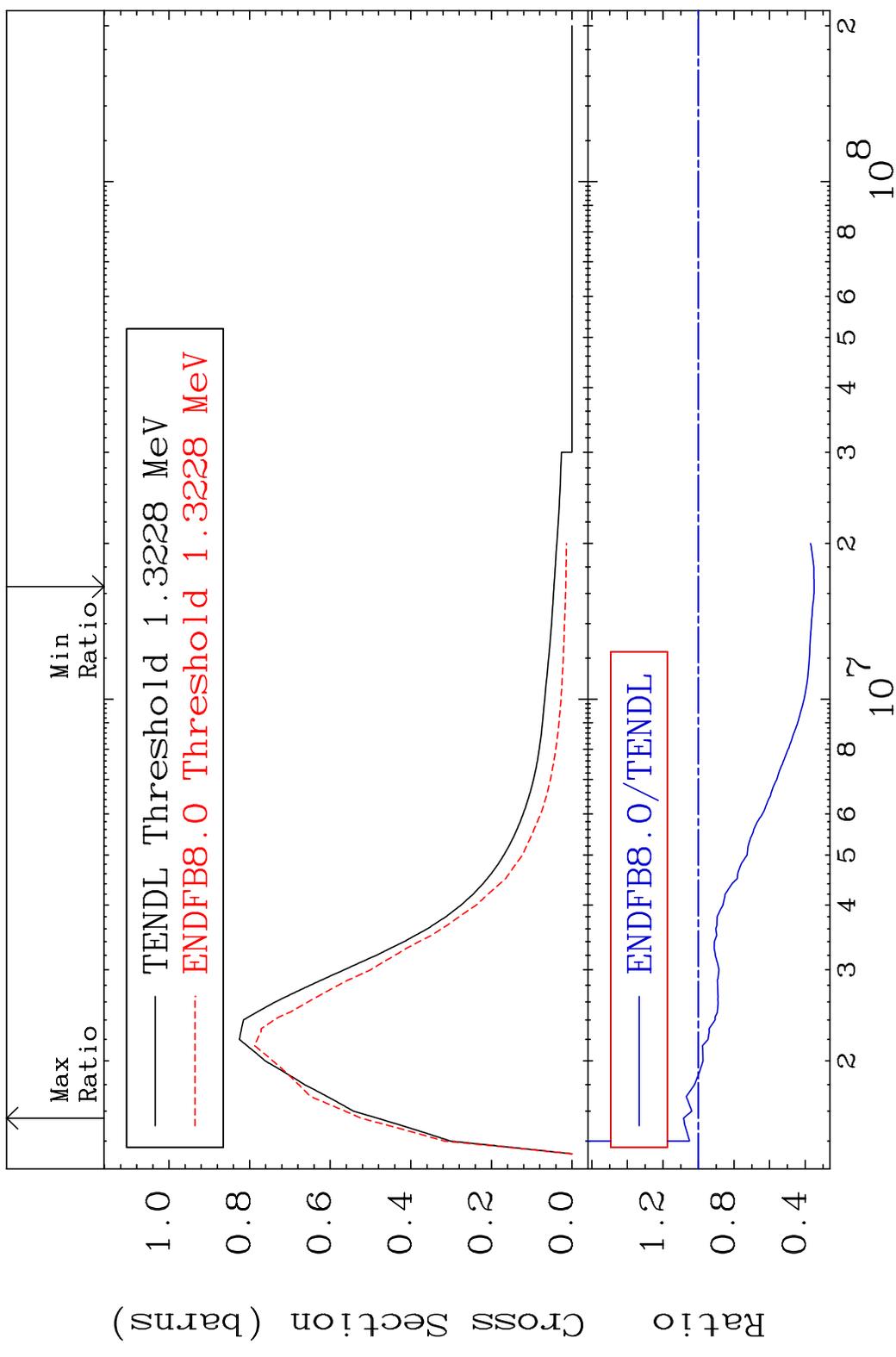


MAT 5461 (n, n') p 54-Xe-136
 Cross Section -100.0 To 939.3 %

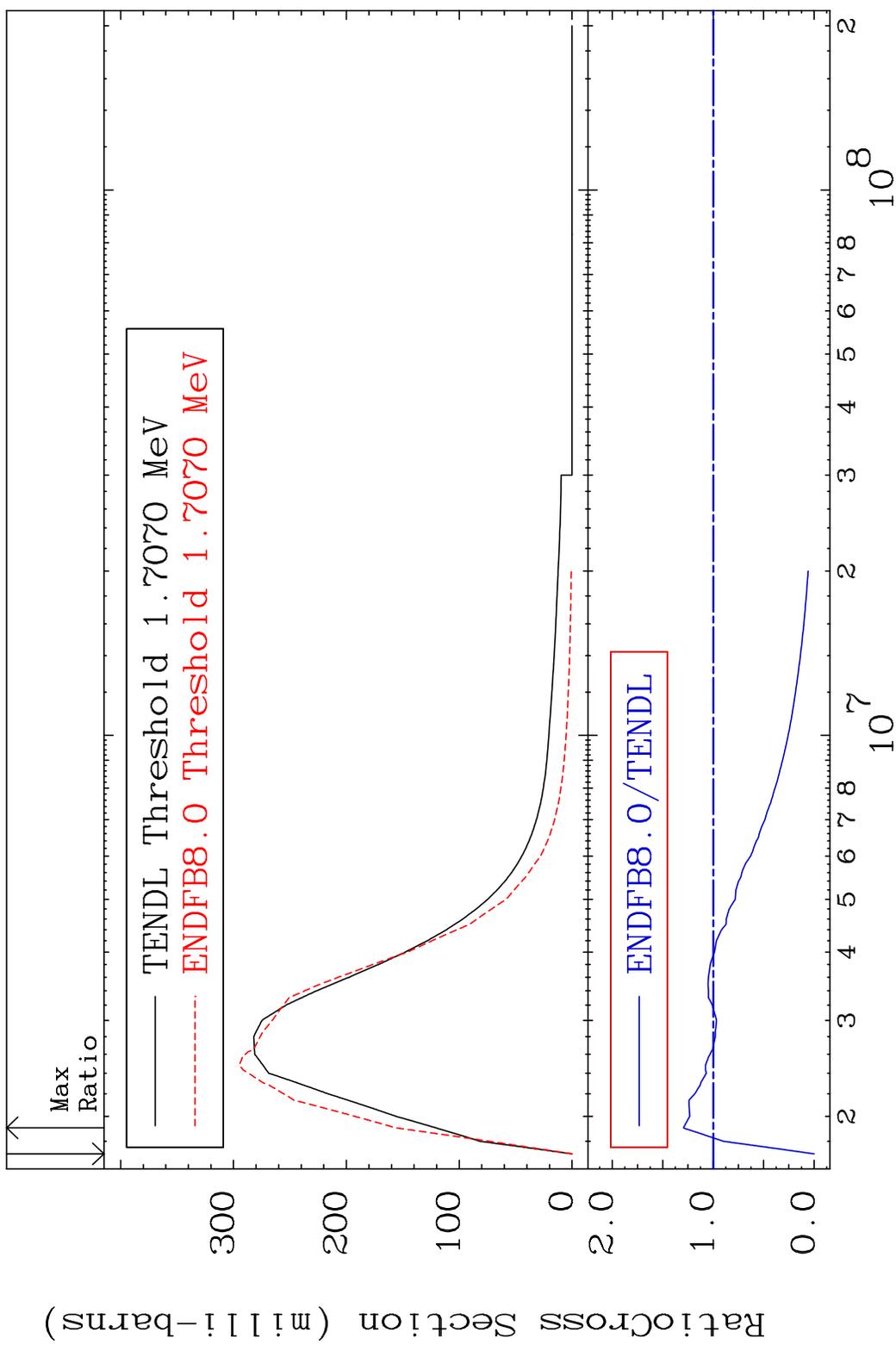


7 Incident Energy (eV) 54-Xe-136

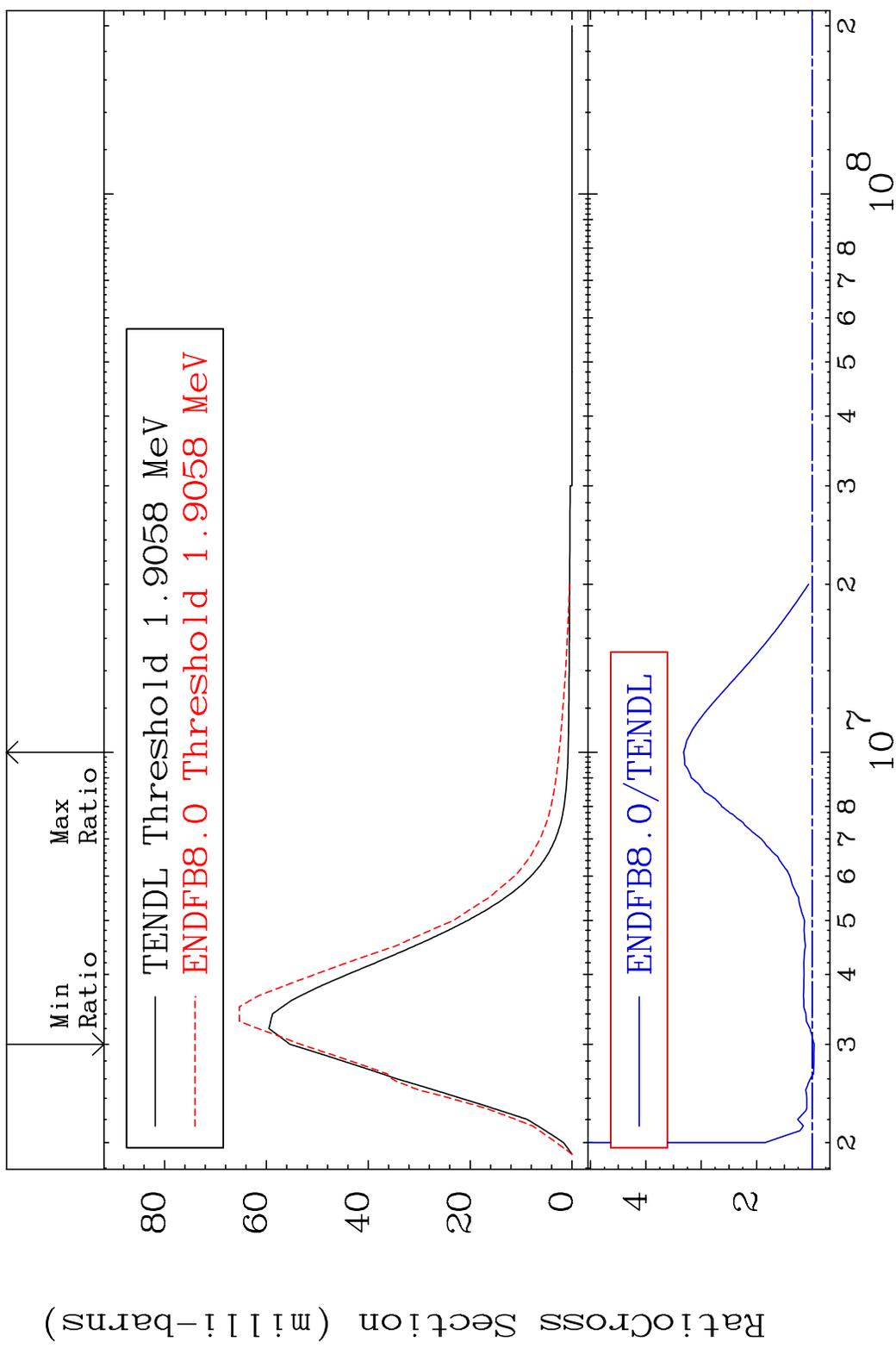
MAT 5461 MT= 51 (n, n') Level 54-Xe-136
 Cross Section -65.01 To 8.431 %



MAT 5461 MT= 52 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 29.40 %

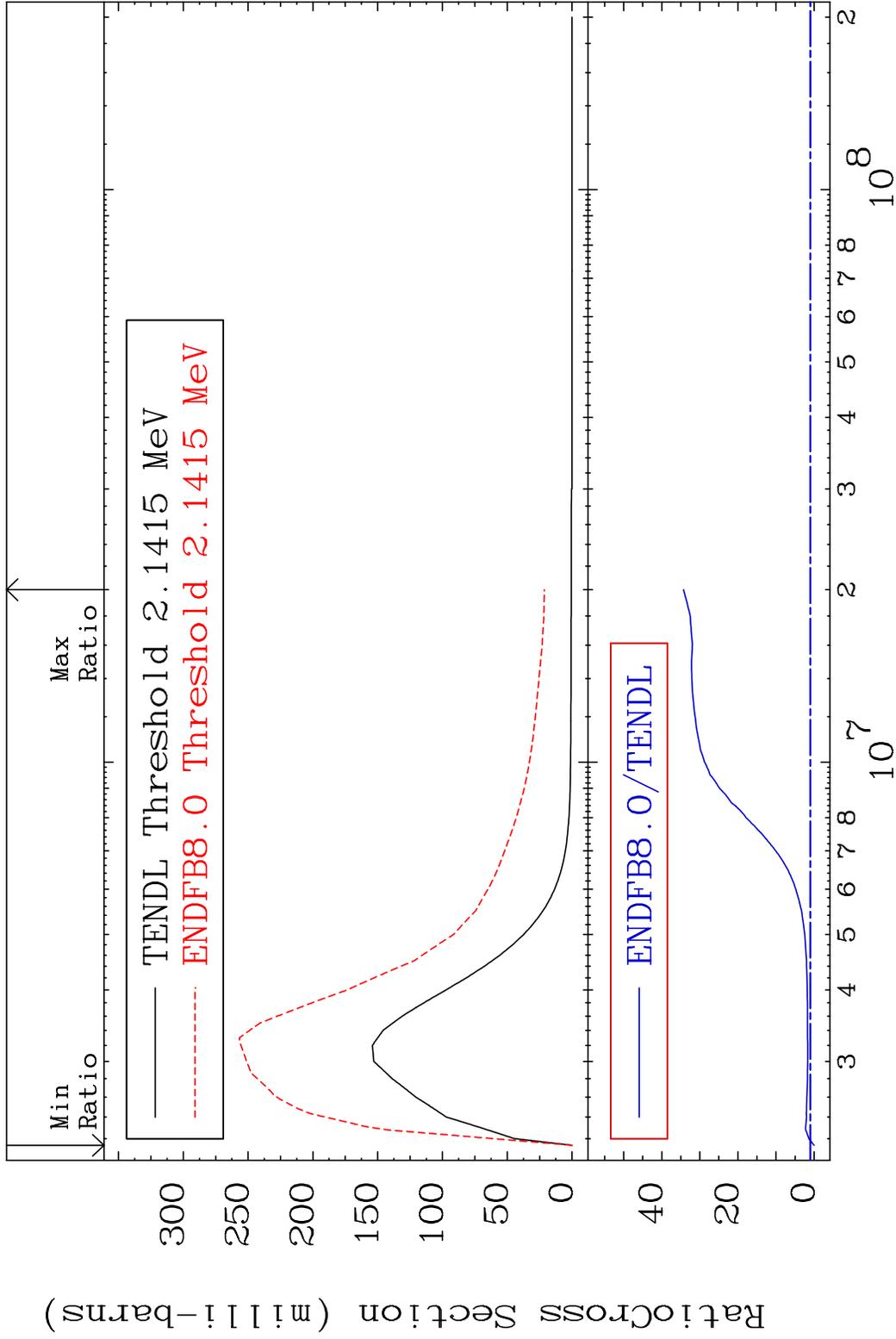


MAT 5461 MT= 53 (n, n') Level 54-Xe-136
 Cross Section -3.724 To 232.0 %



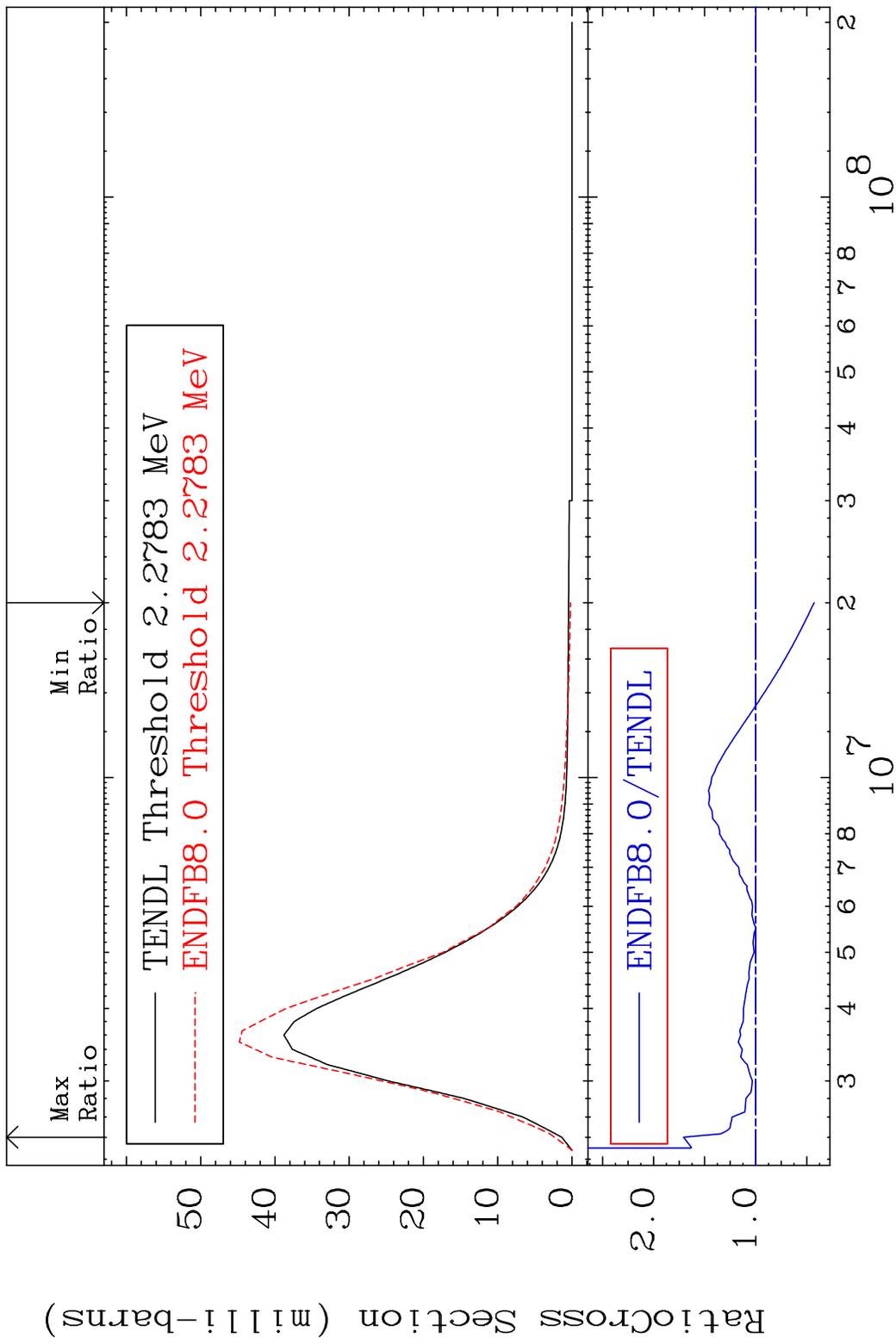
10 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 54 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 3329. %



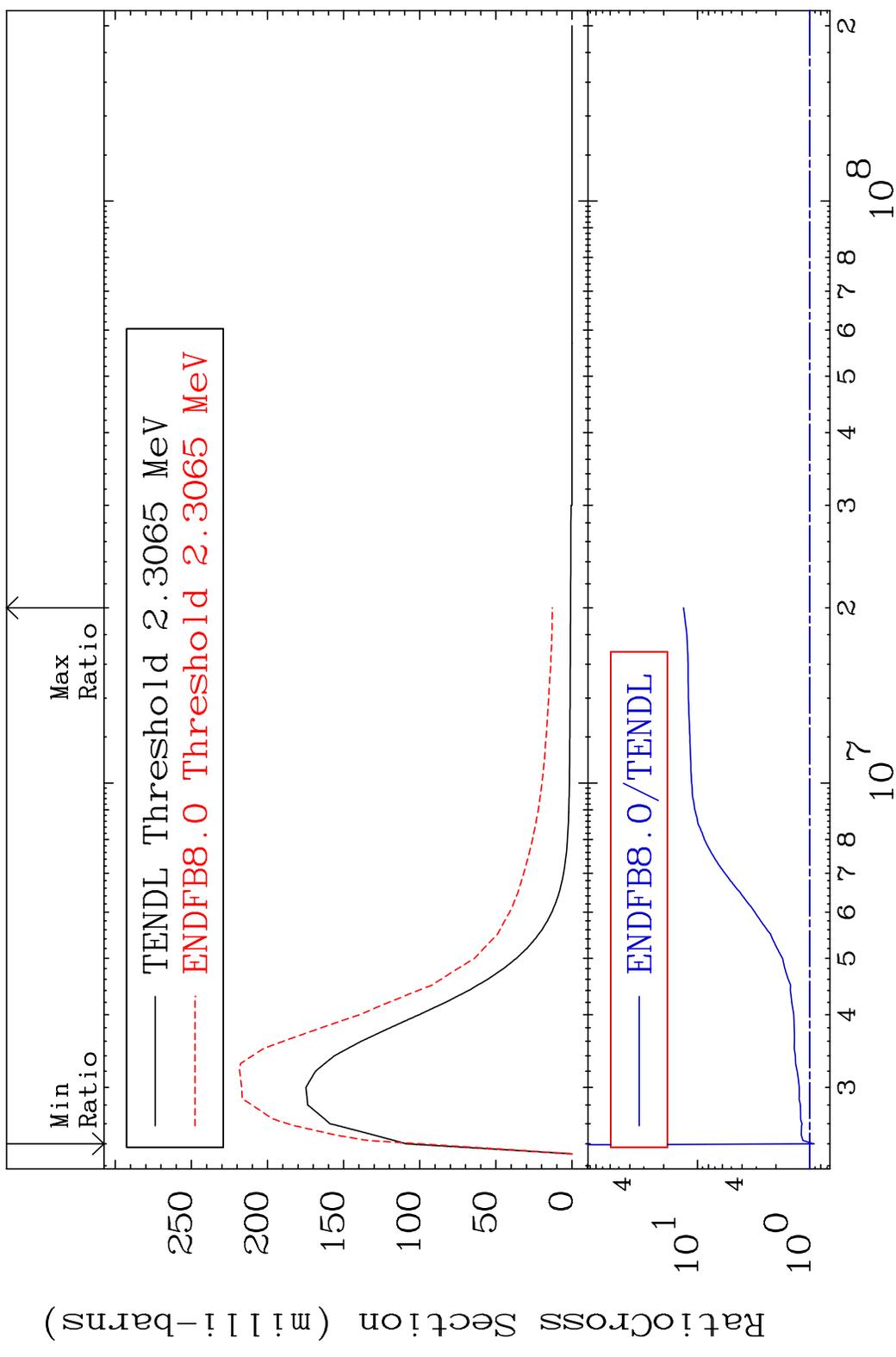
11 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 55 (n, n') Level 54-Xe-136
 Cross Section -57.08 To 70.73 %



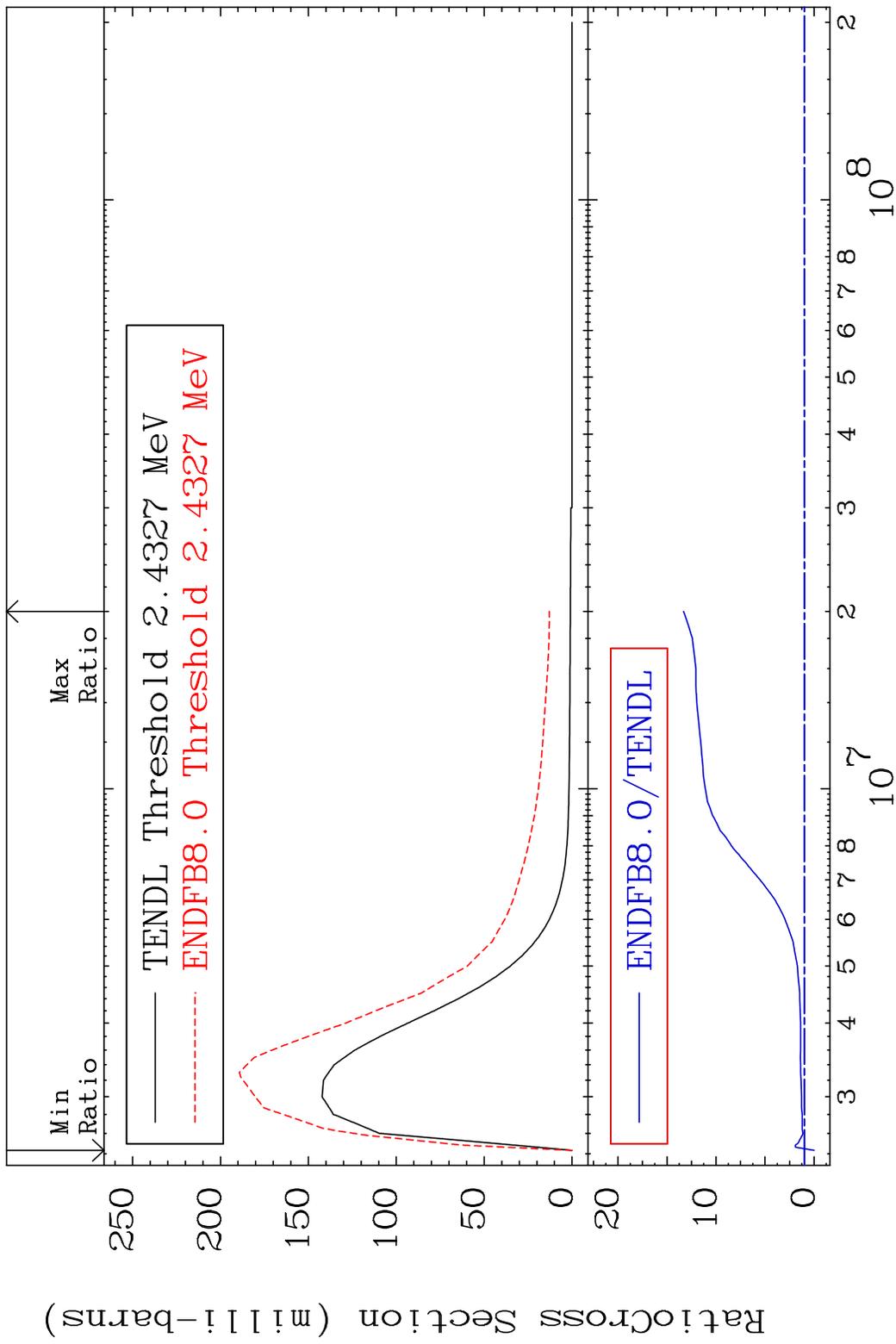
12 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 56 (n, n') Level 54-Xe-136
 Cross Section -8.311 To 1231. %



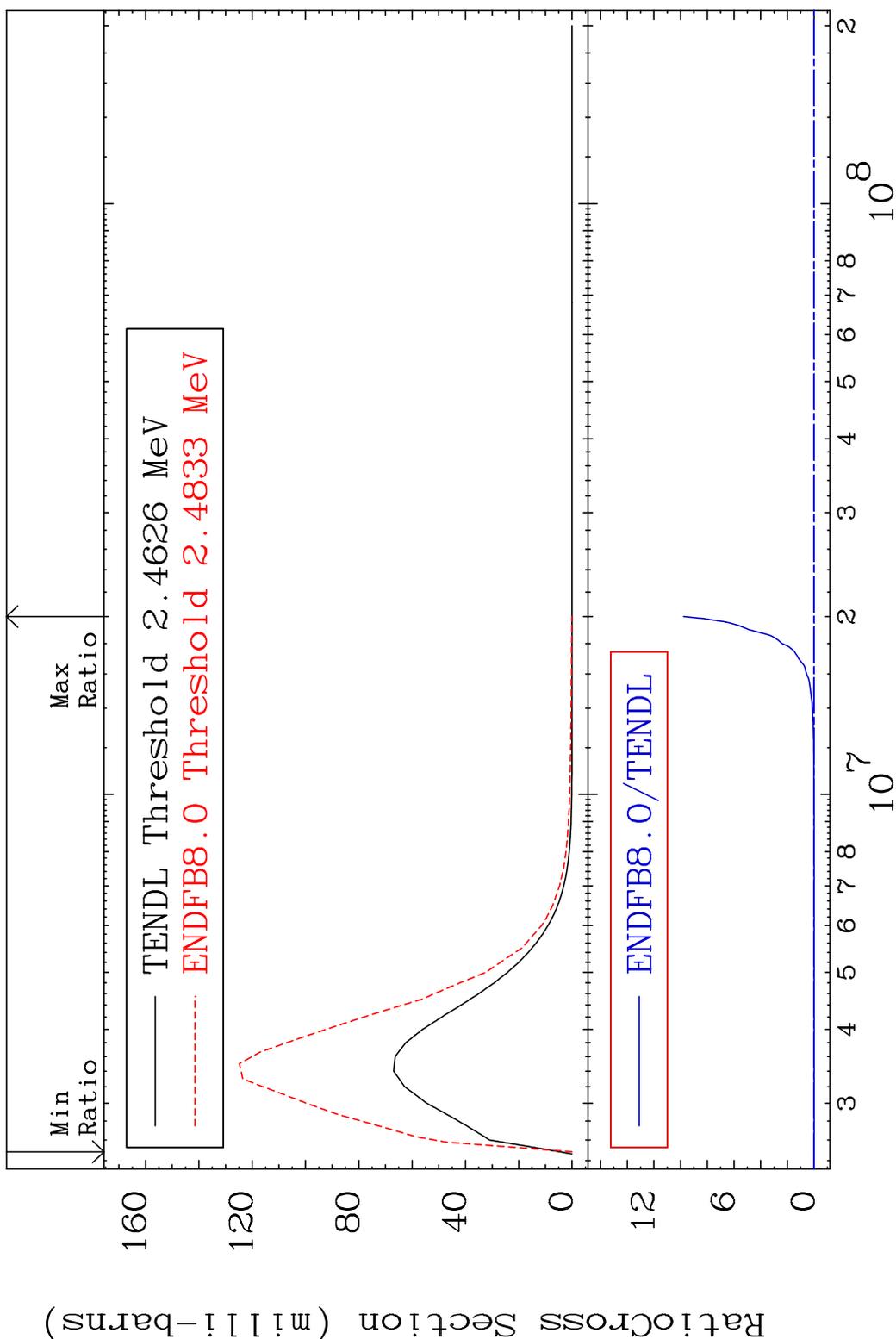
13 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 57 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 1231. %



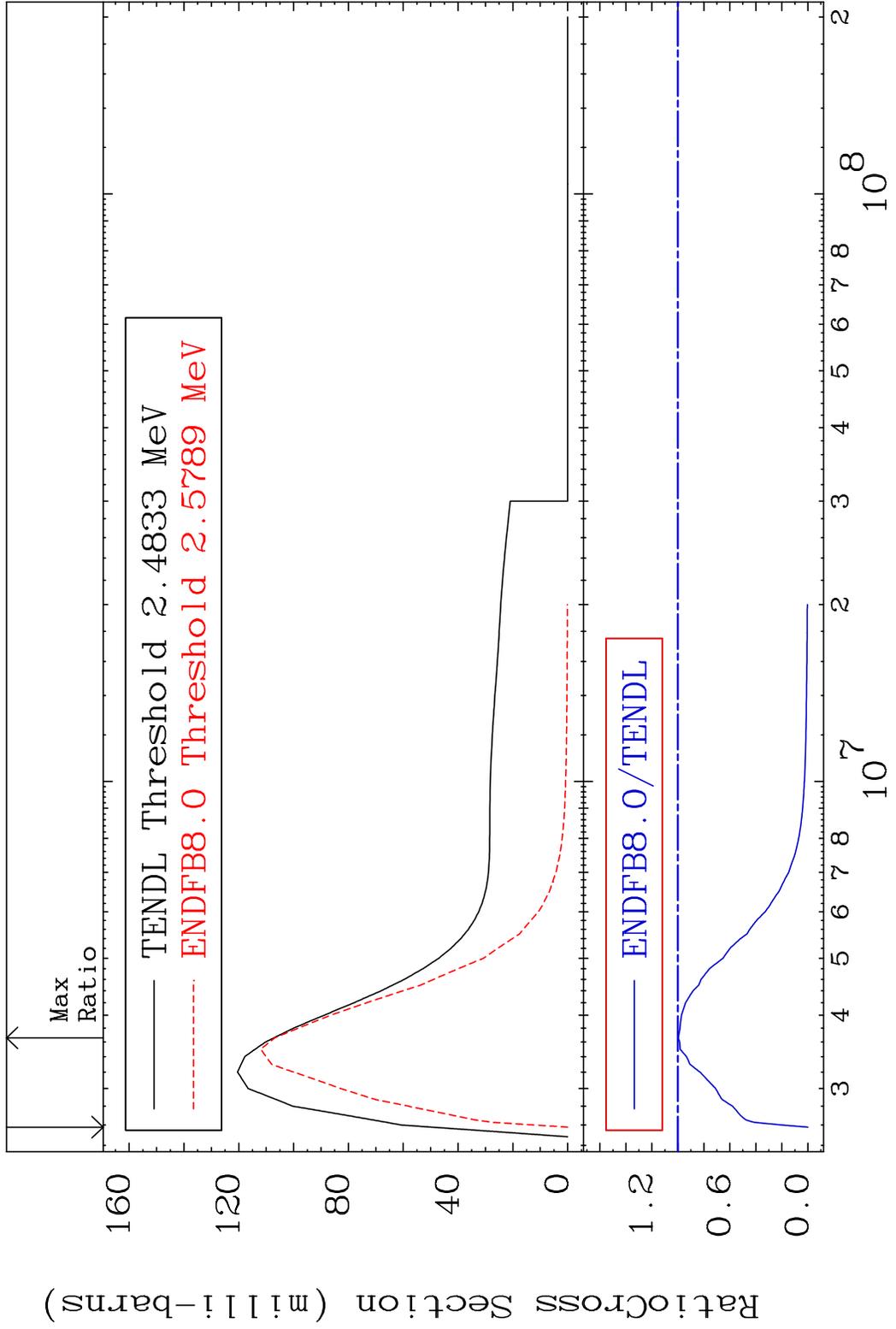
14 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 58 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %



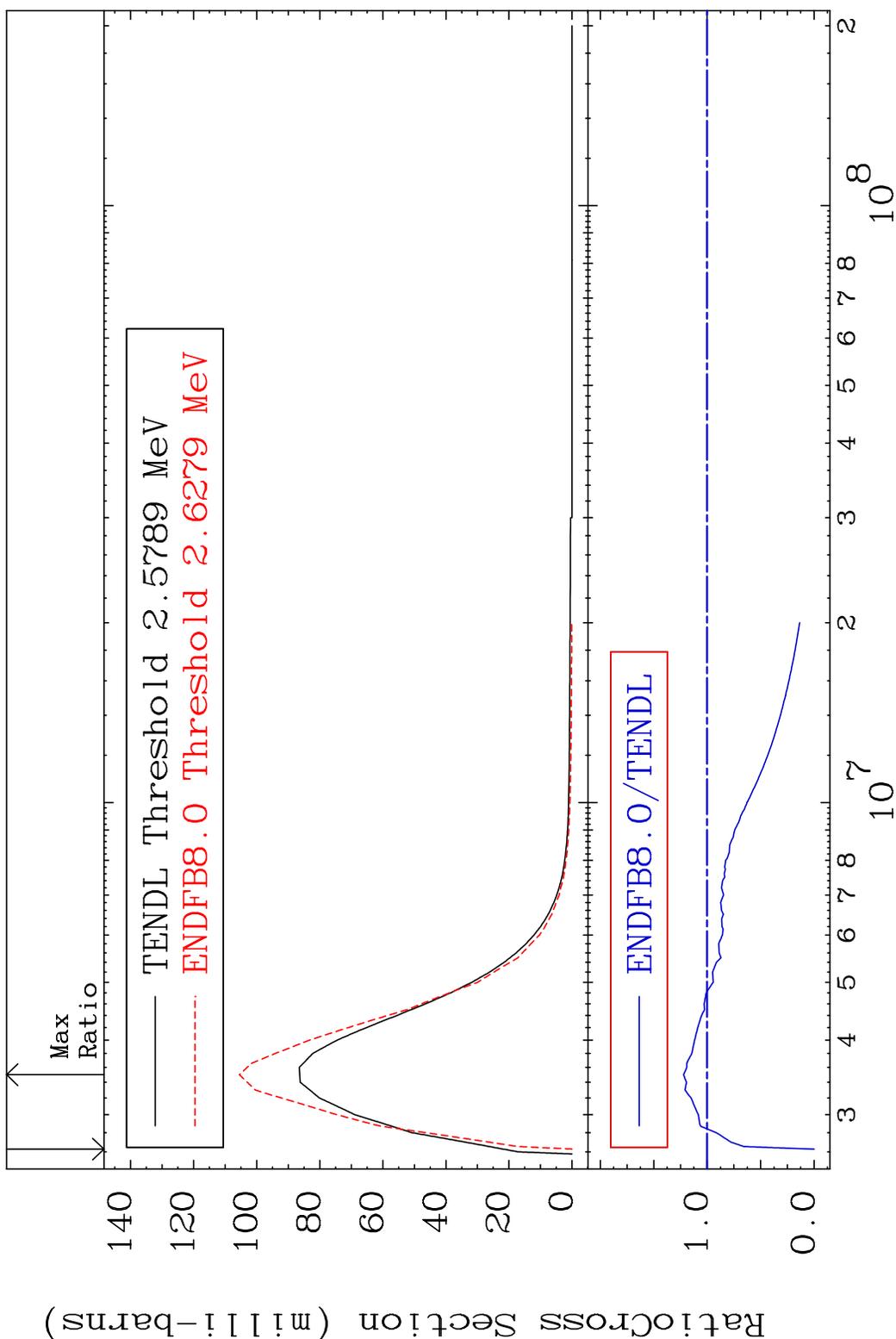
15 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 59 (n, n') Level 54-Xe-136
 Cross Section -100.0 To -0.316%



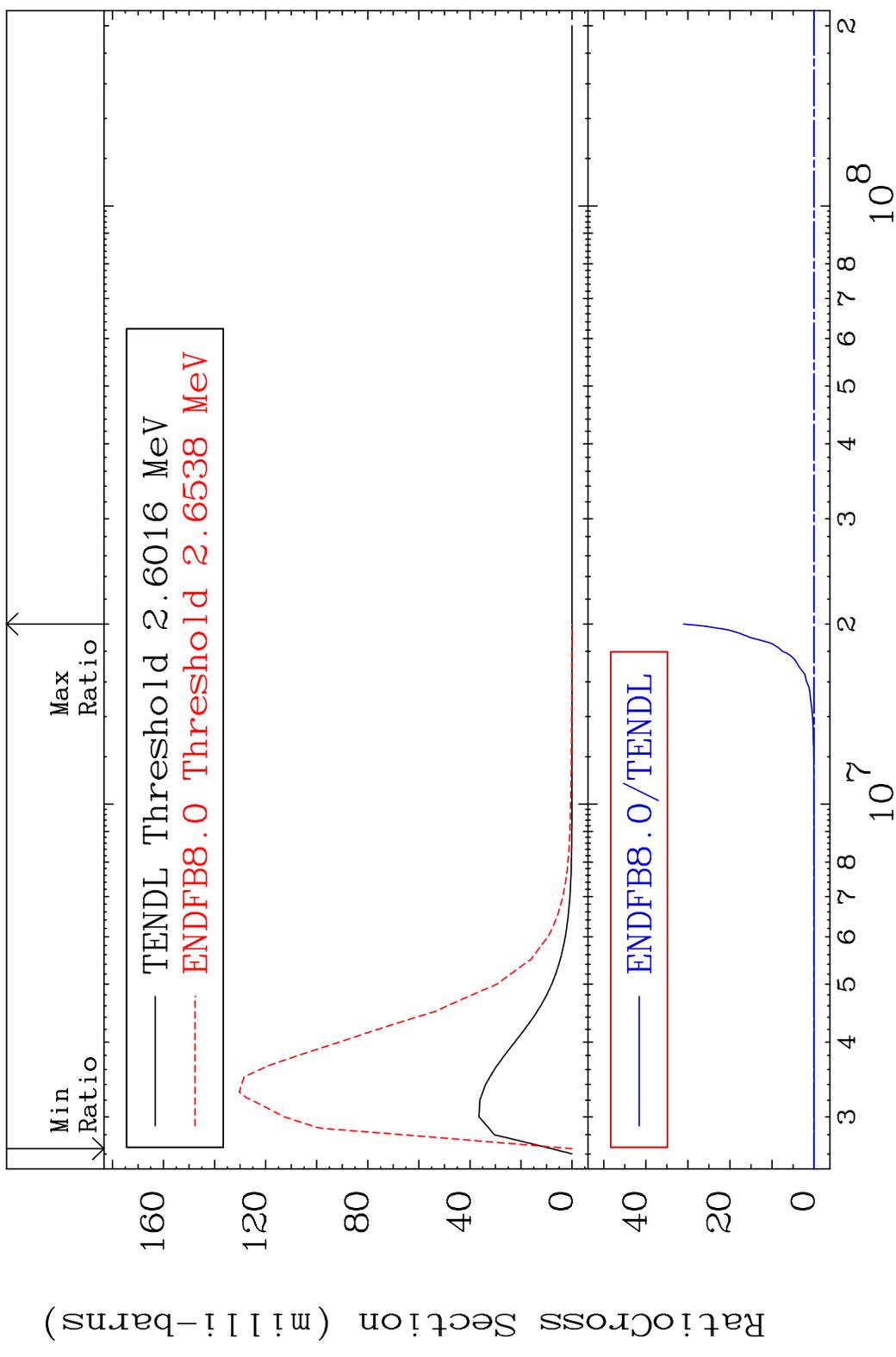
16 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 60 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 22.15 %



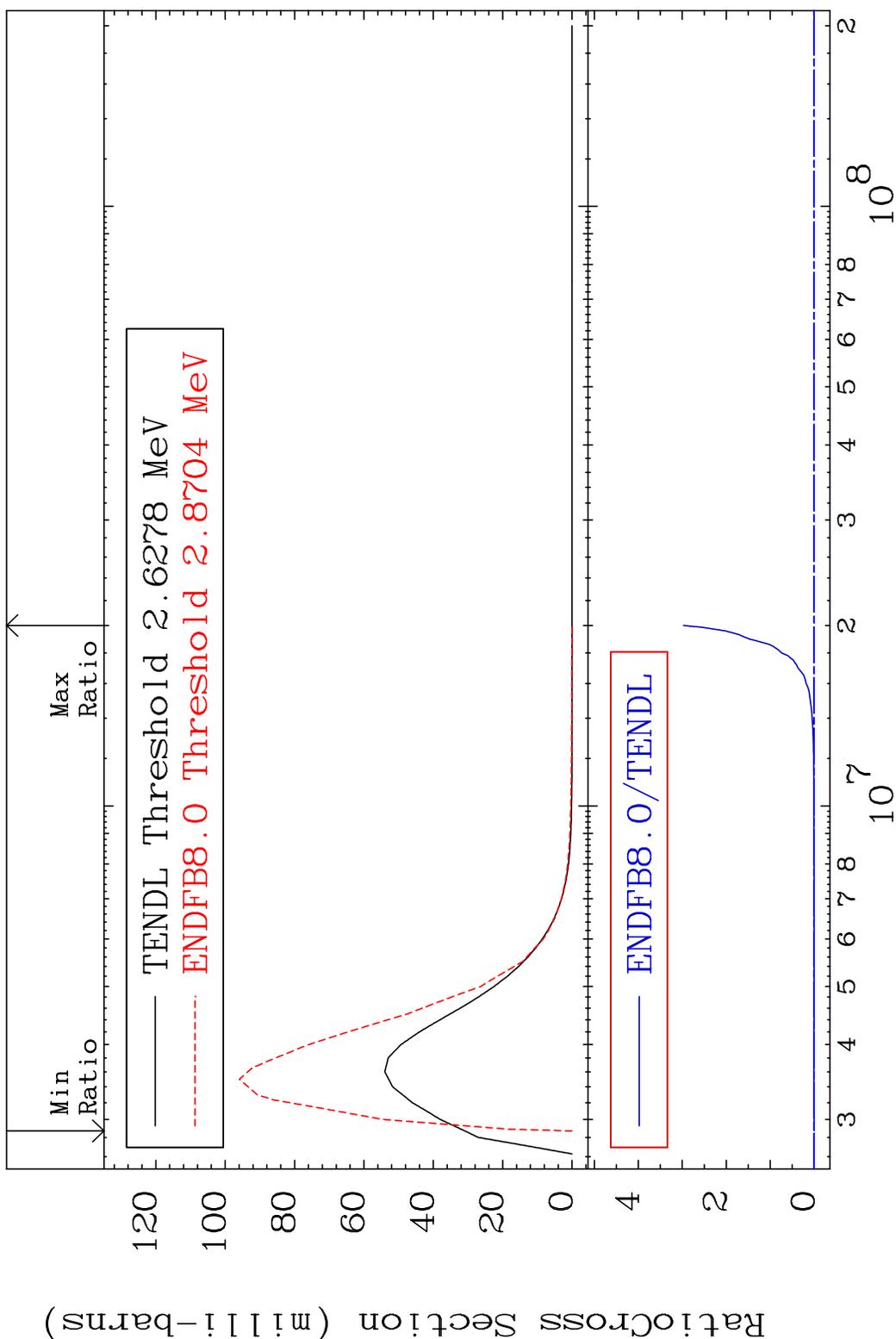
17 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 61 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %



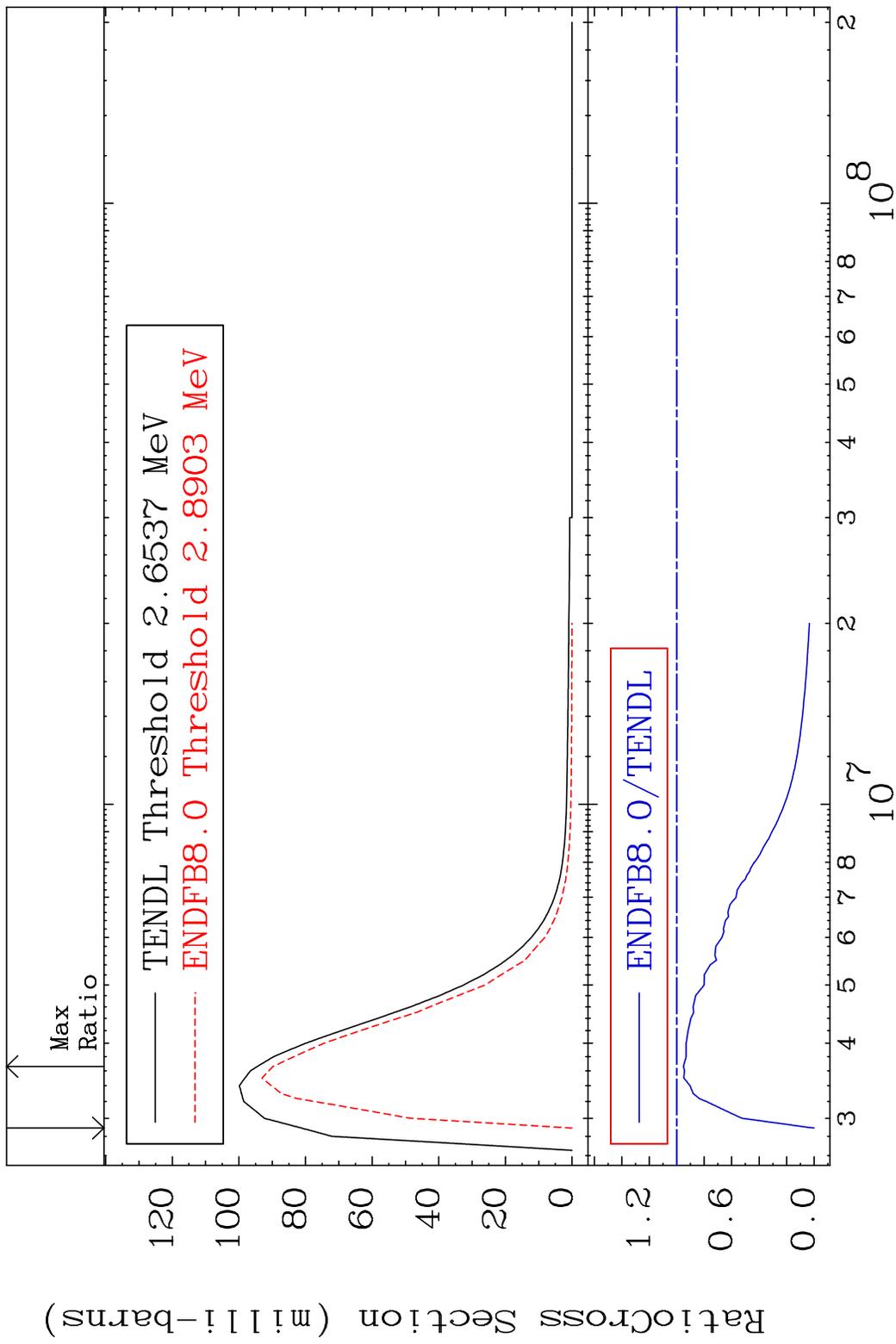
18 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 62 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %



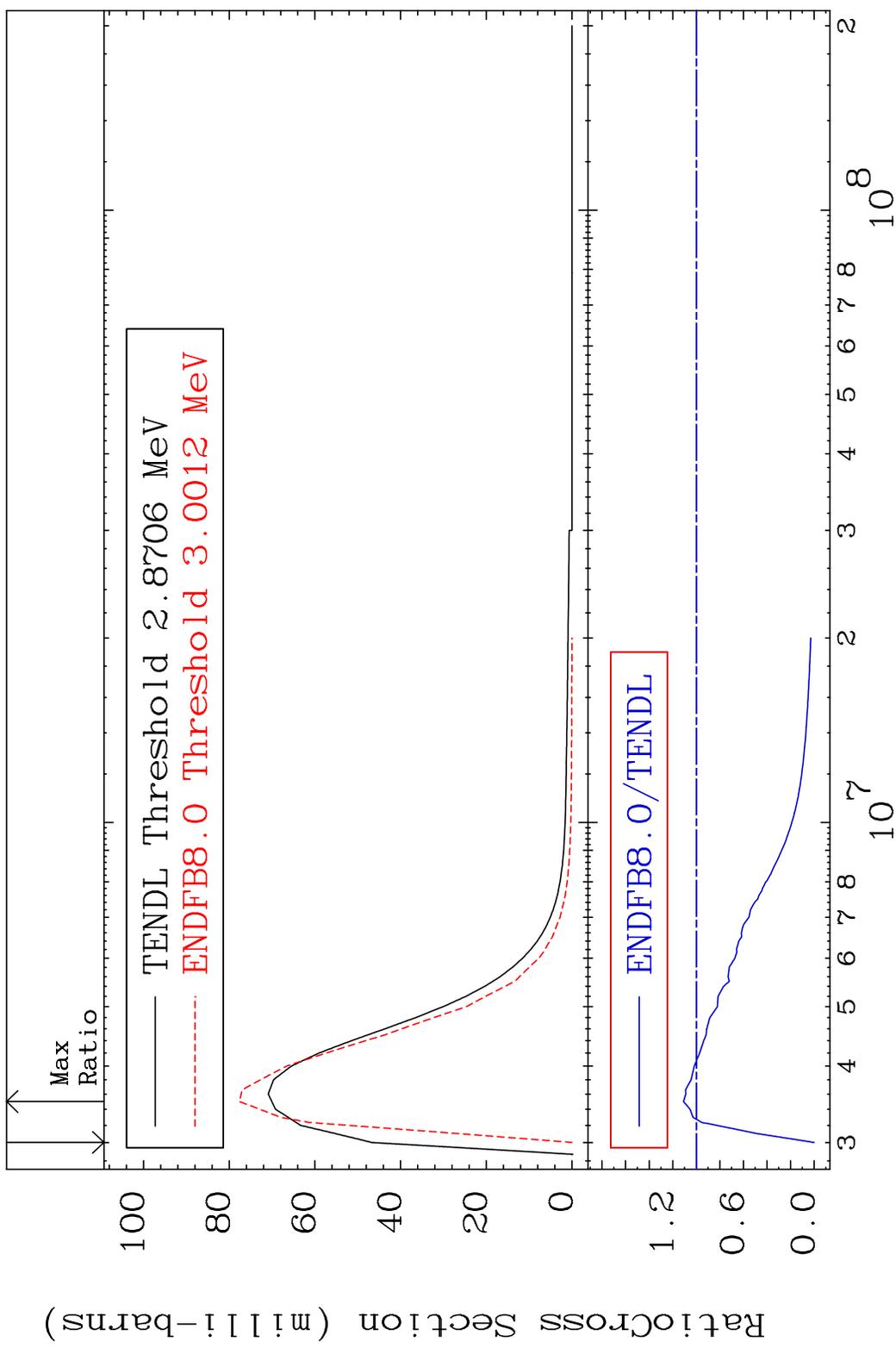
19 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 63 (n, n') Level 54-Xe-136
 Cross Section -100.0 To -4.943%

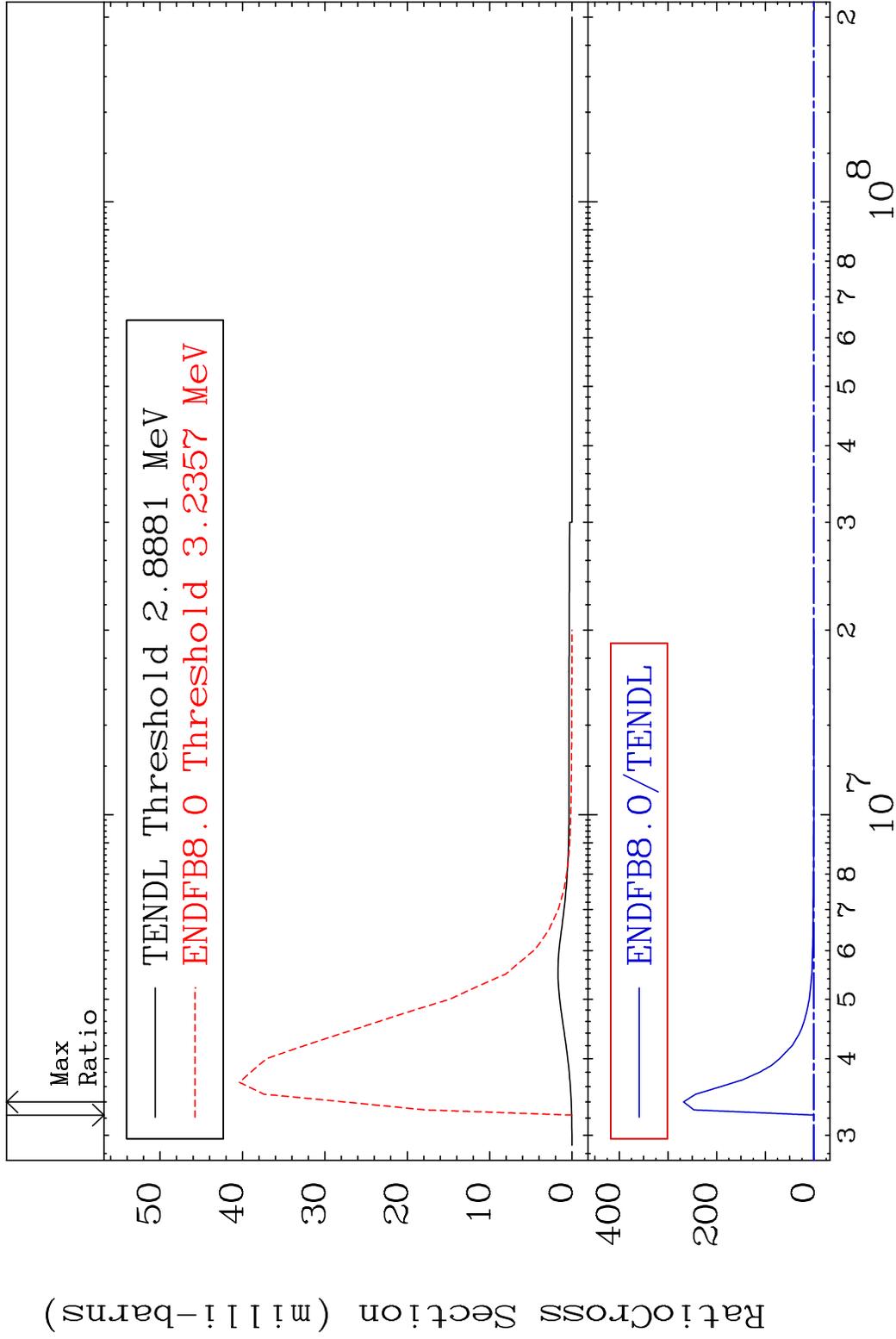


20 Incident Energy (eV) 54-Xe-136

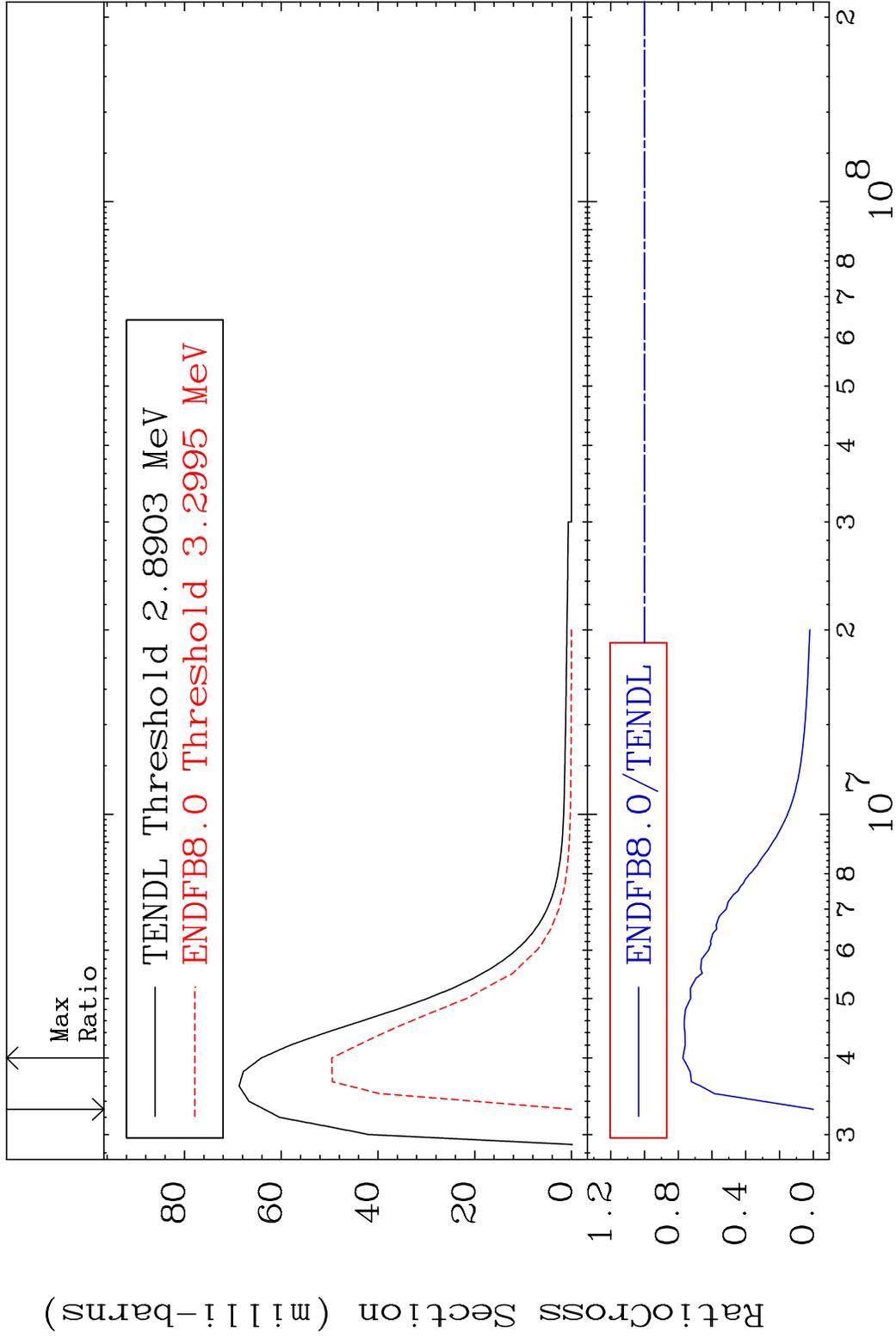
MAT 5461 MT= 64 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 10.82 %



MAT 5461 MT= 65 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %

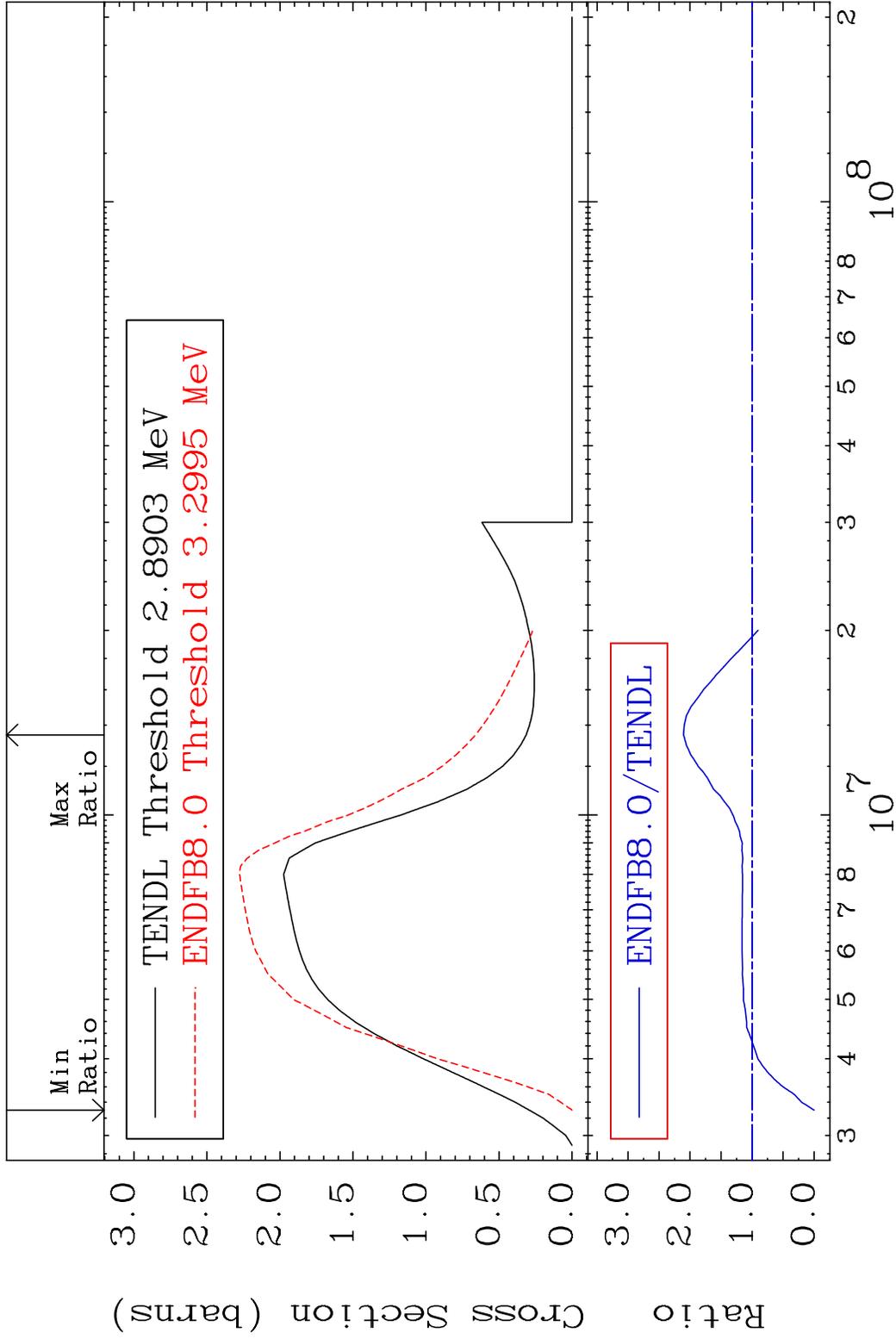


MAT 5461 MT= 66 (n, n') Level 54-Xe-136
 Cross Section -100.0 To -22.73%



23 Incident Energy (eV) 54-Xe-136

MAT 5461 (n, n') Continuum 54-Xe-136
 Cross Section -100.0 To 110.5 %

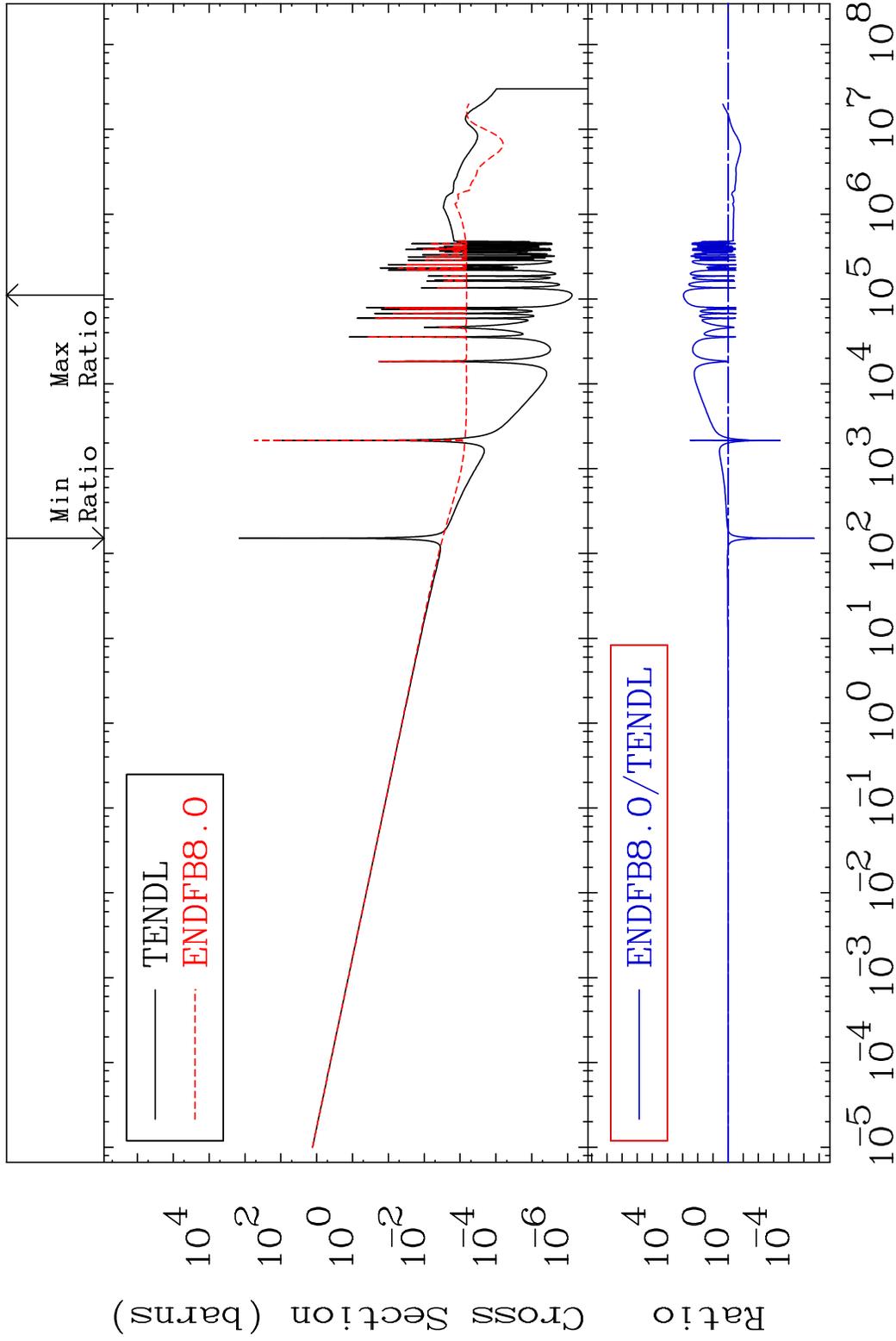


MAT 5461

(n, γ)

54-Xe-136

Cross Section -100.0 To 9999. %

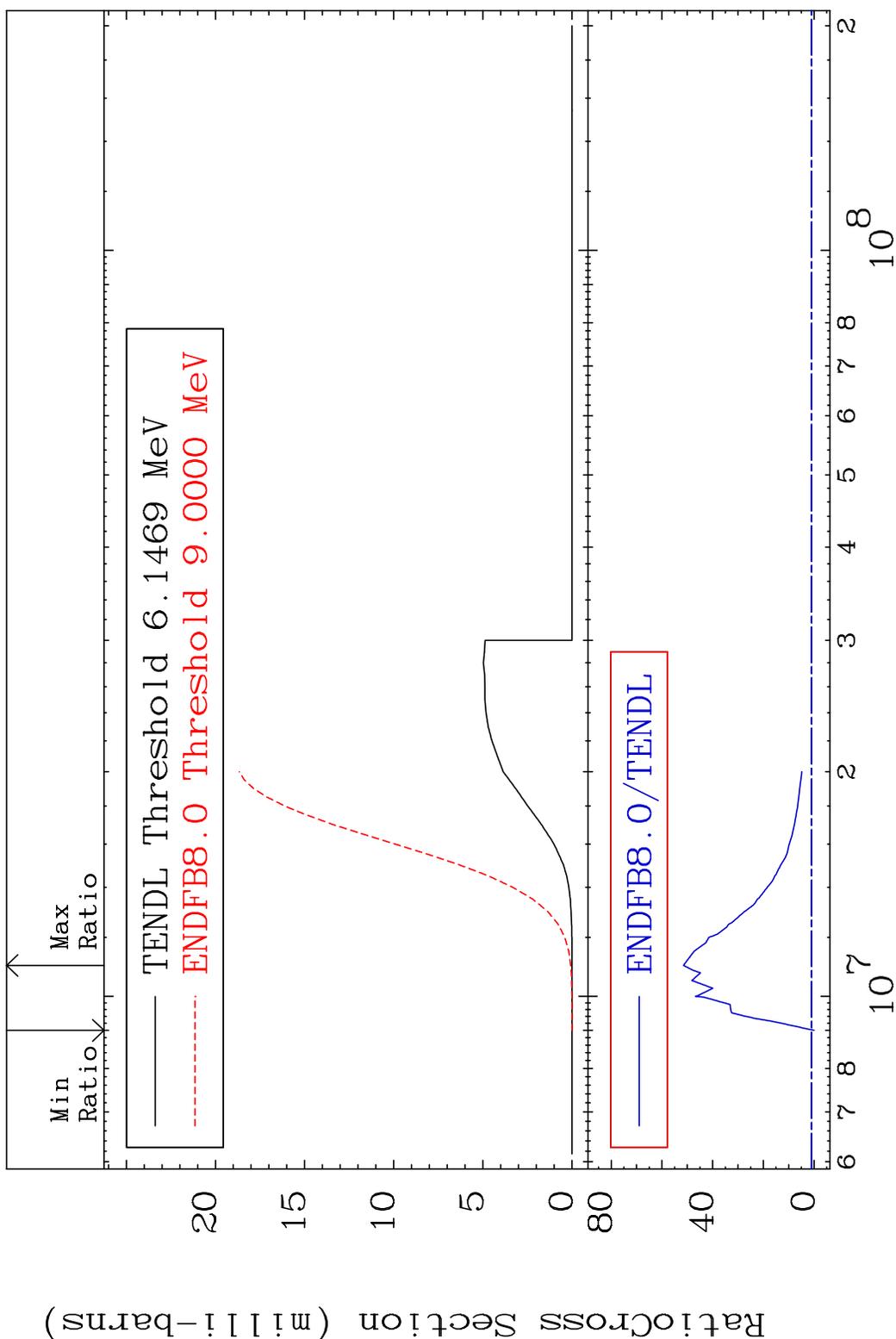


25

Incident Energy (eV)

54-Xe-136

MAT 5461 (n, p) 54-Xe-136
 Cross Section -100.0 To 5048. %



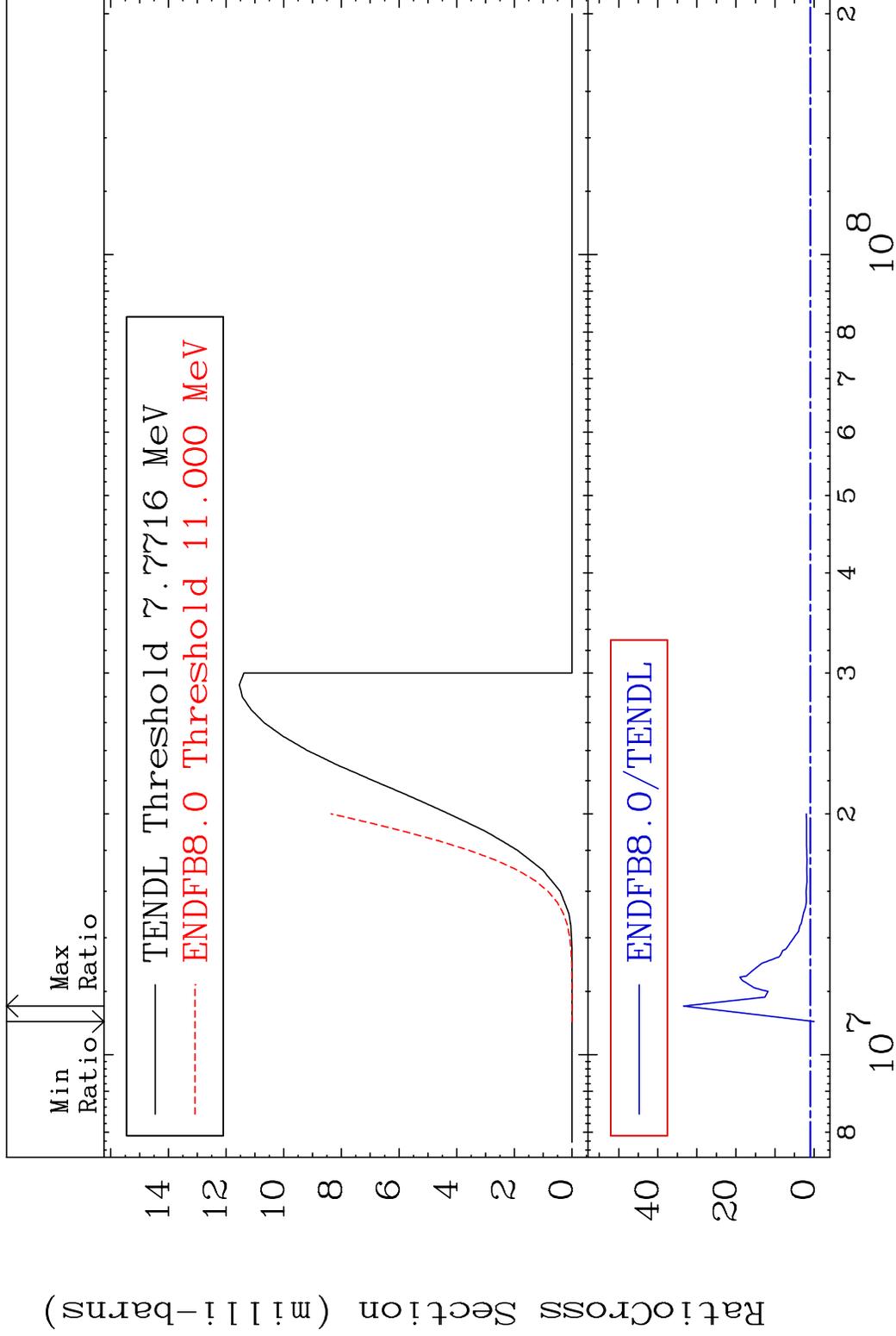
26 Incident Energy (eV) 54-Xe-136

MAT 5461

(n, d)

54-Xe-136

Cross Section -100.0 To 3242. %

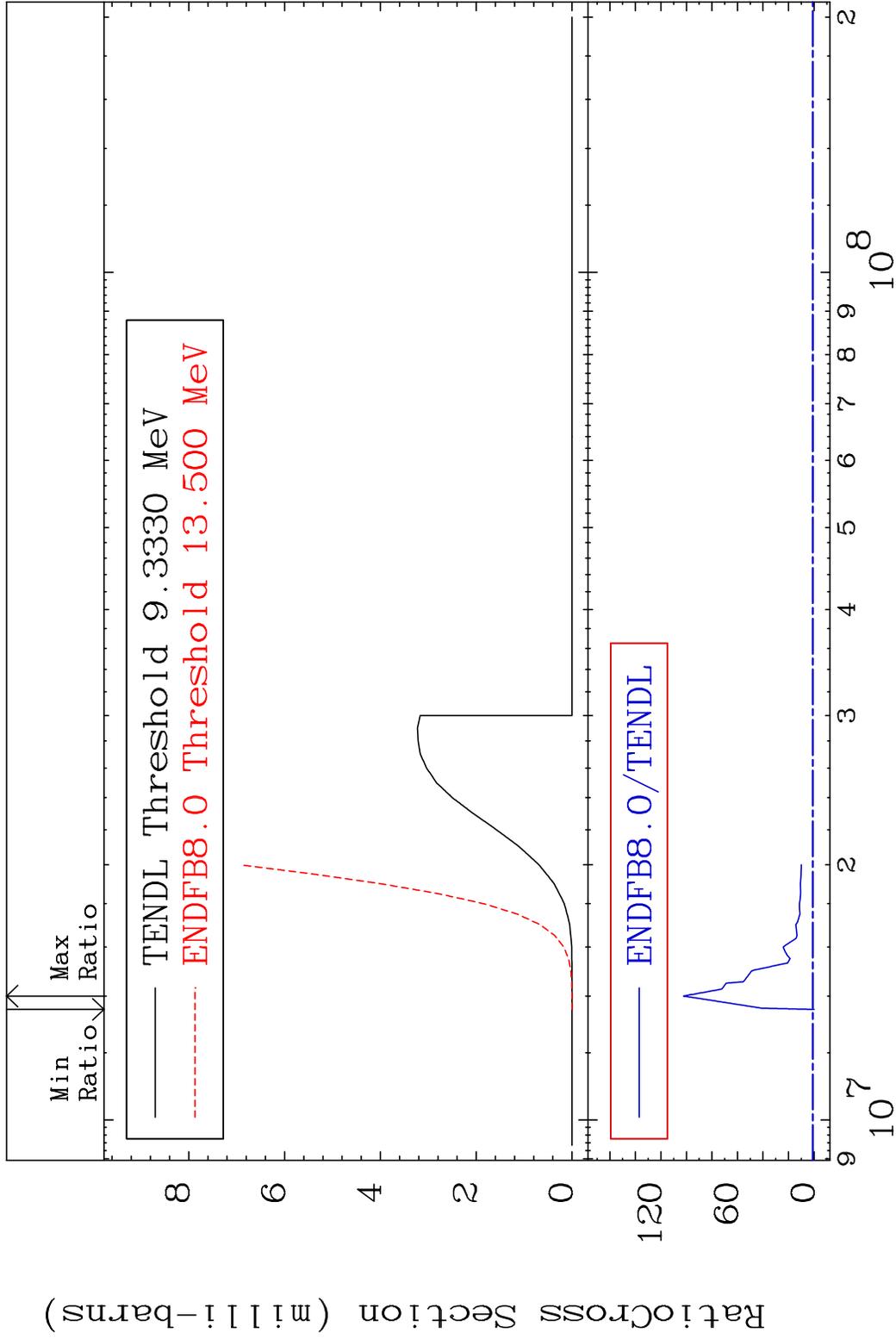


27

Incident Energy (eV)

54-Xe-136

MAT 5461 (n, t) 54-Xe-136
 Cross Section -100.0 To 9999. %

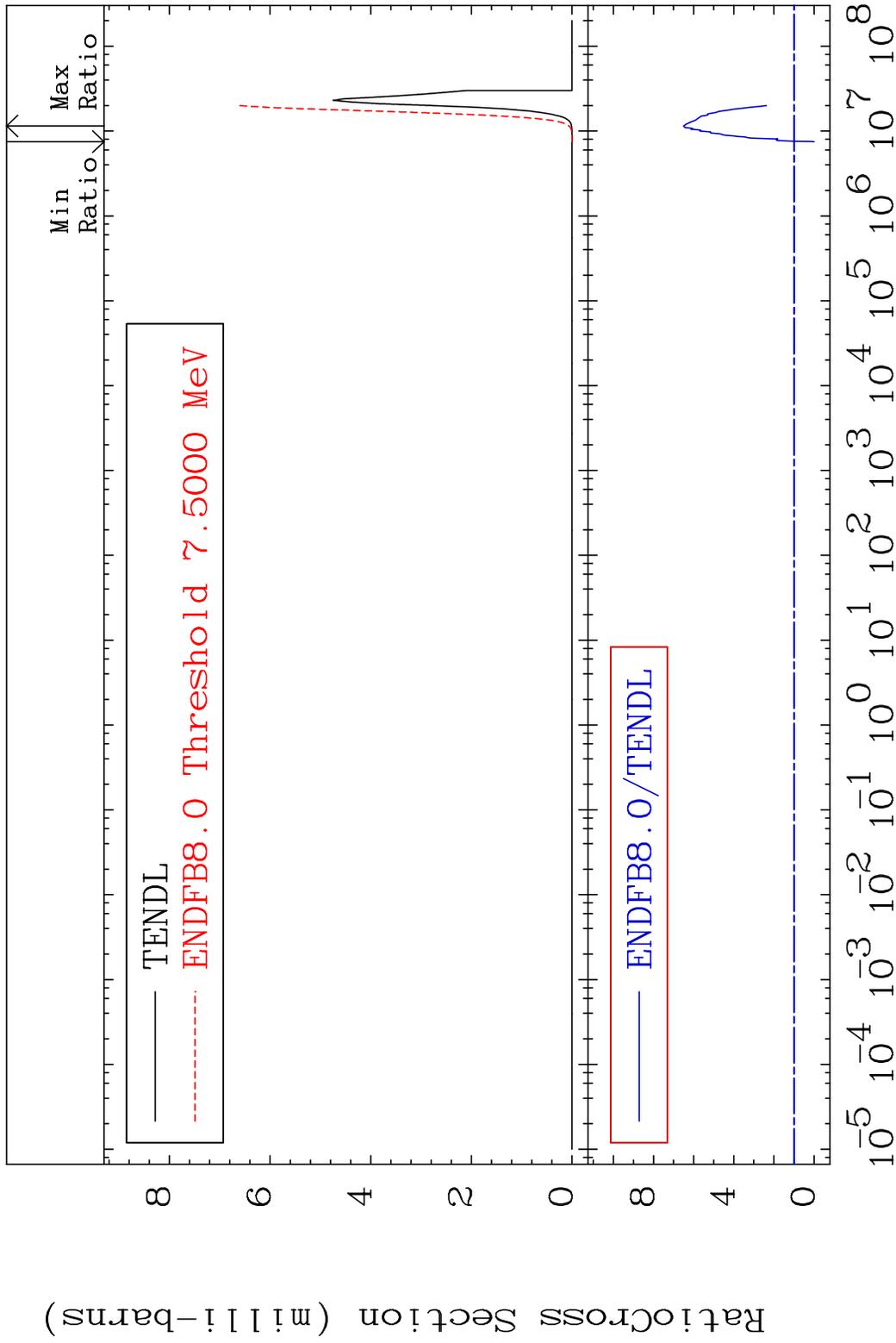


MAT 5461

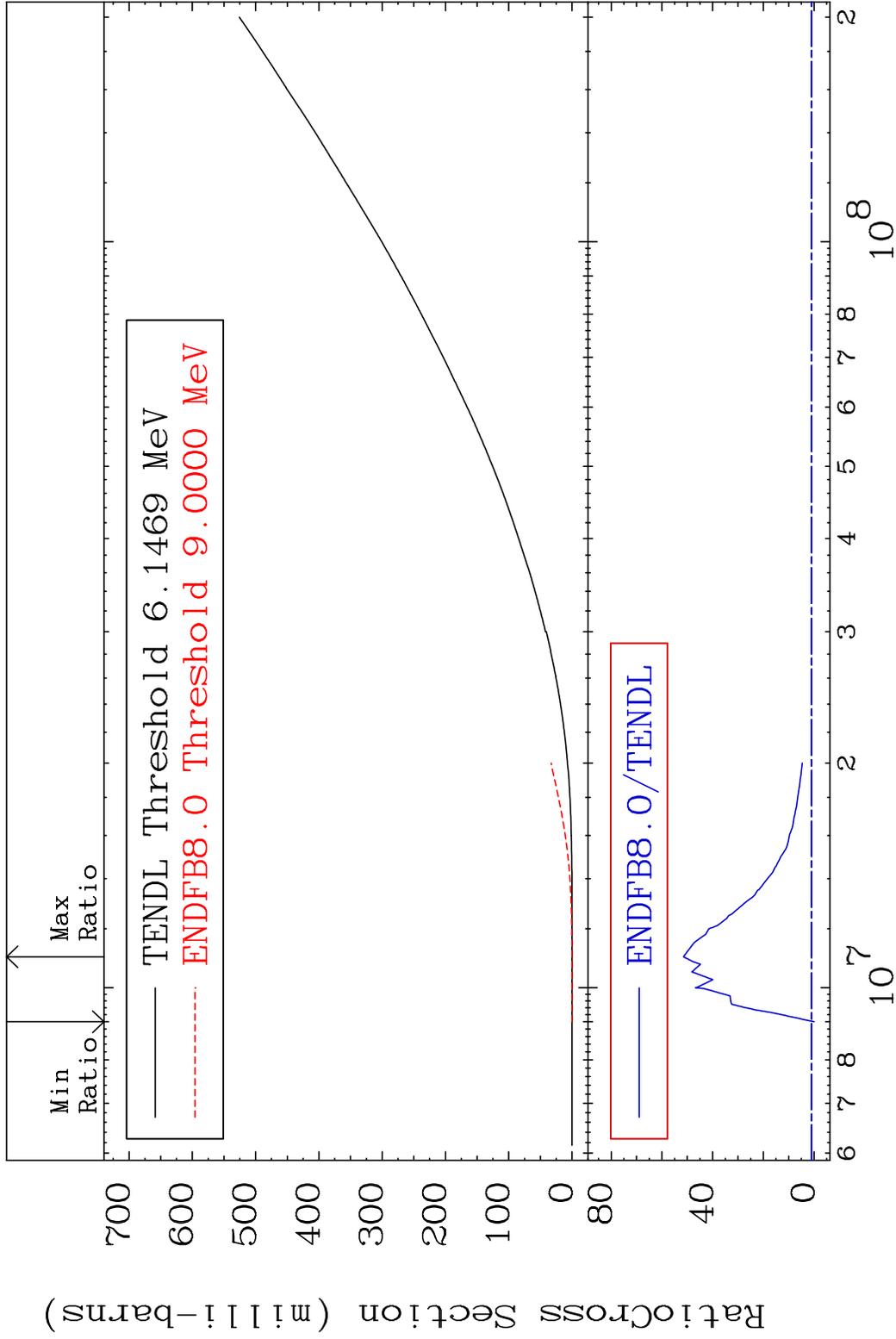
(n, α)

54-Xe-136

Cross Section -100.0 To 550.5 %

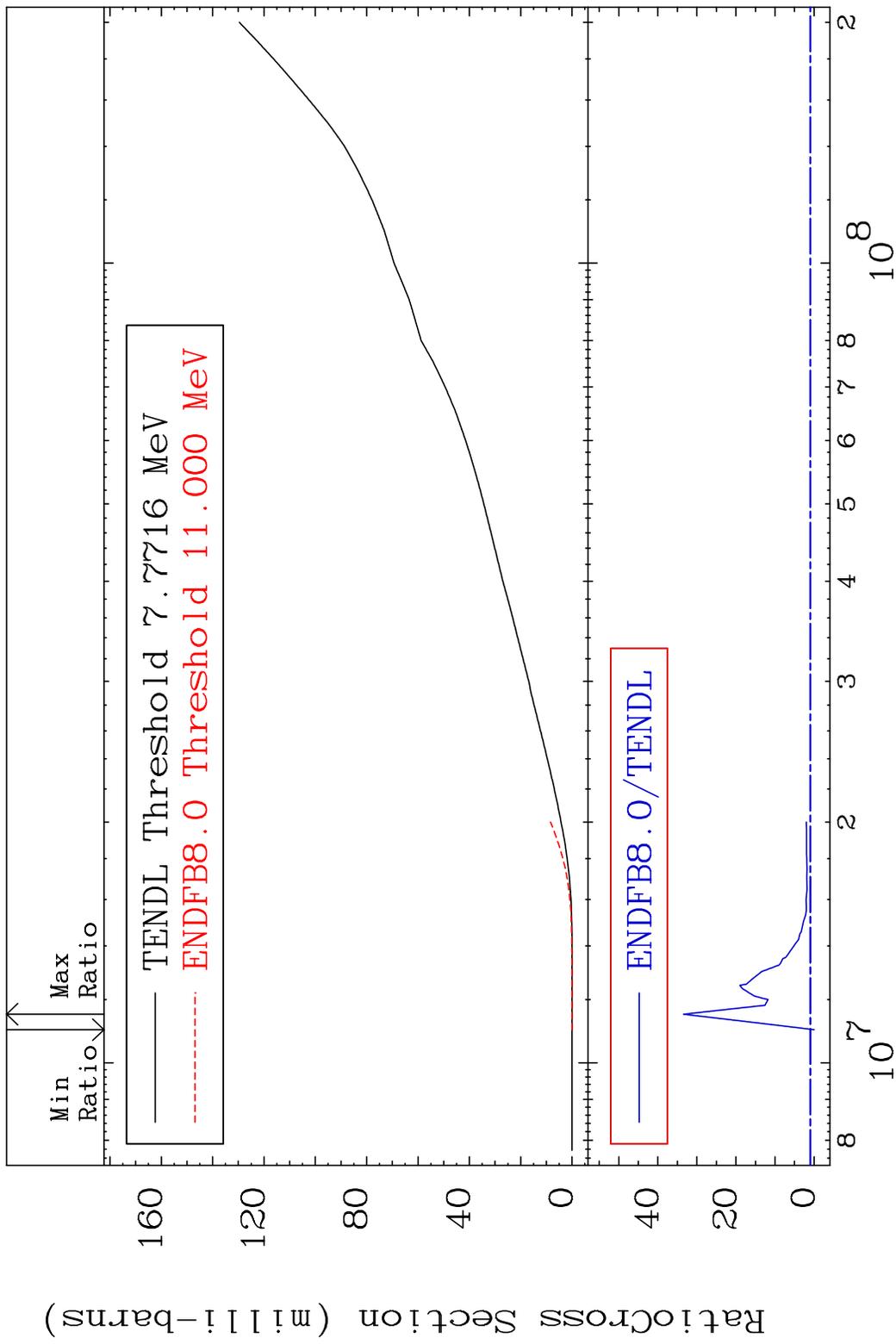


MAT 5461 Hydrogen Production 54-Xe-136
 Cross Section -100.0 To 5048. %



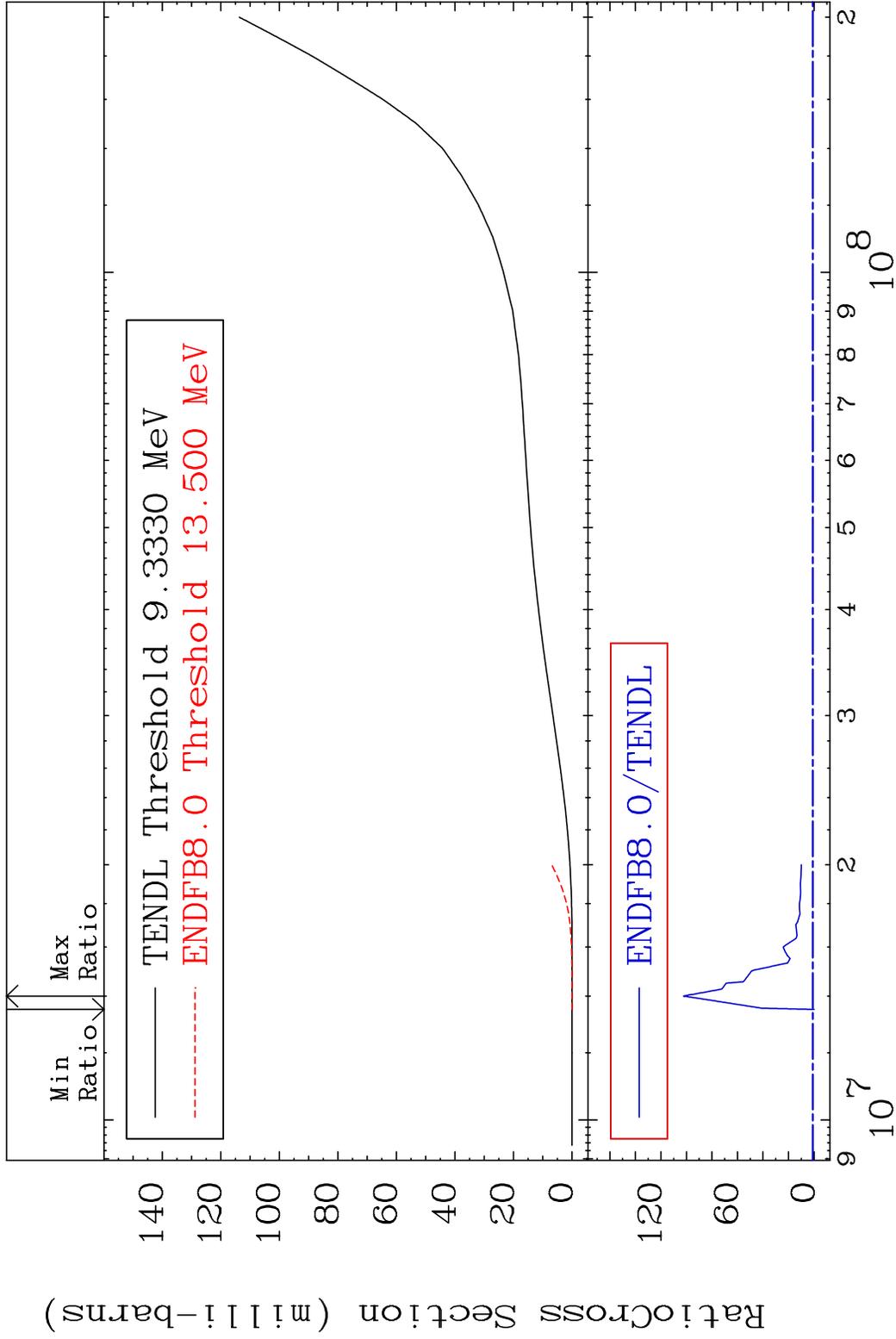
30 Incident Energy (eV) 54-Xe-136

MAT 5461 Deuterium Production 54-Xe-136
 Cross Section -100.0 To 3242. %



31 Incident Energy (eV) 54-Xe-136

MAT 5461 Tritium Production 54-Xe-136
 Cross Section -100.0 To 9999. %



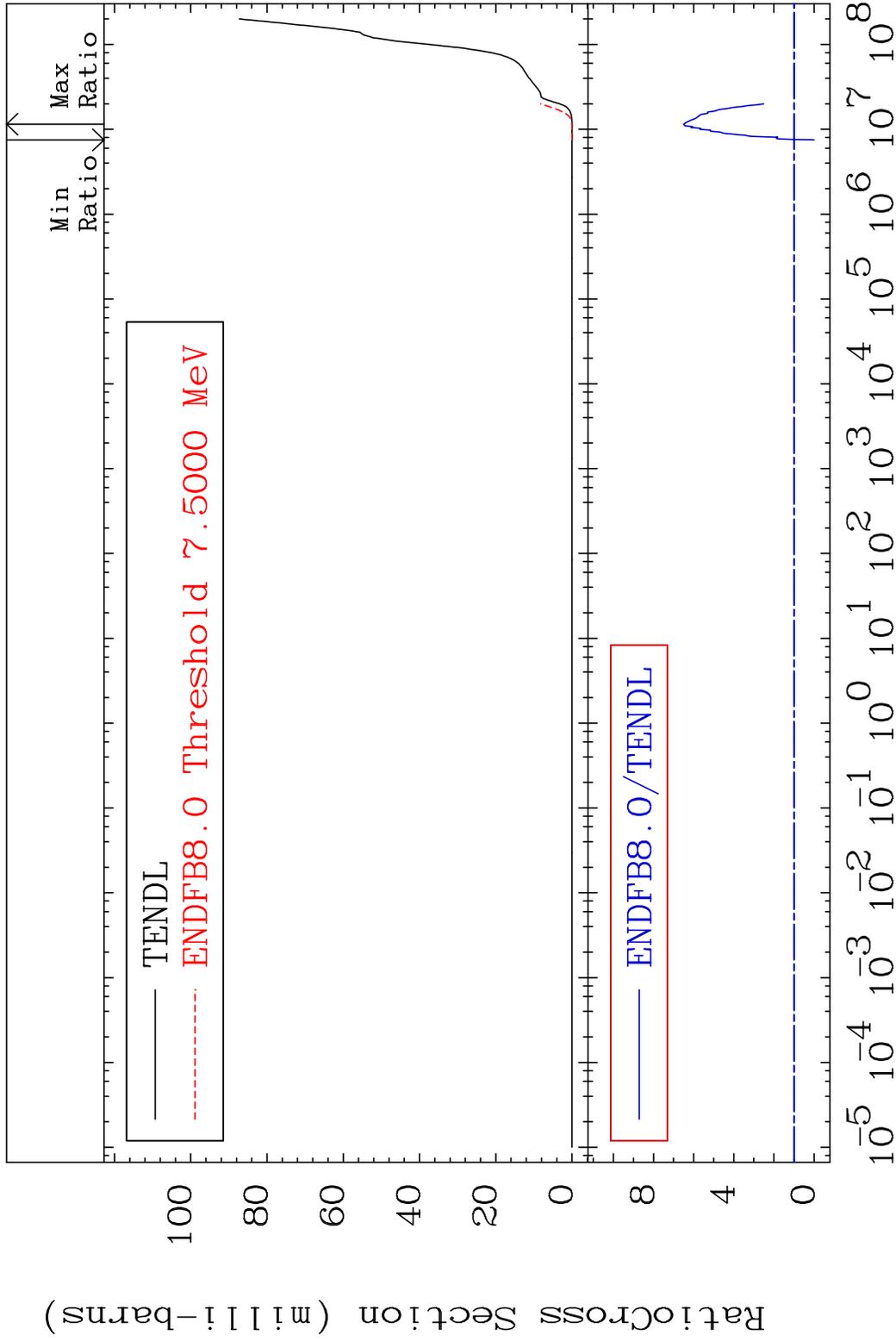
32 Incident Energy (eV) 54-Xe-136

MAT 5461

He-4 Production

54-Xe-136

Cross Section -100.0 To 550.5 %

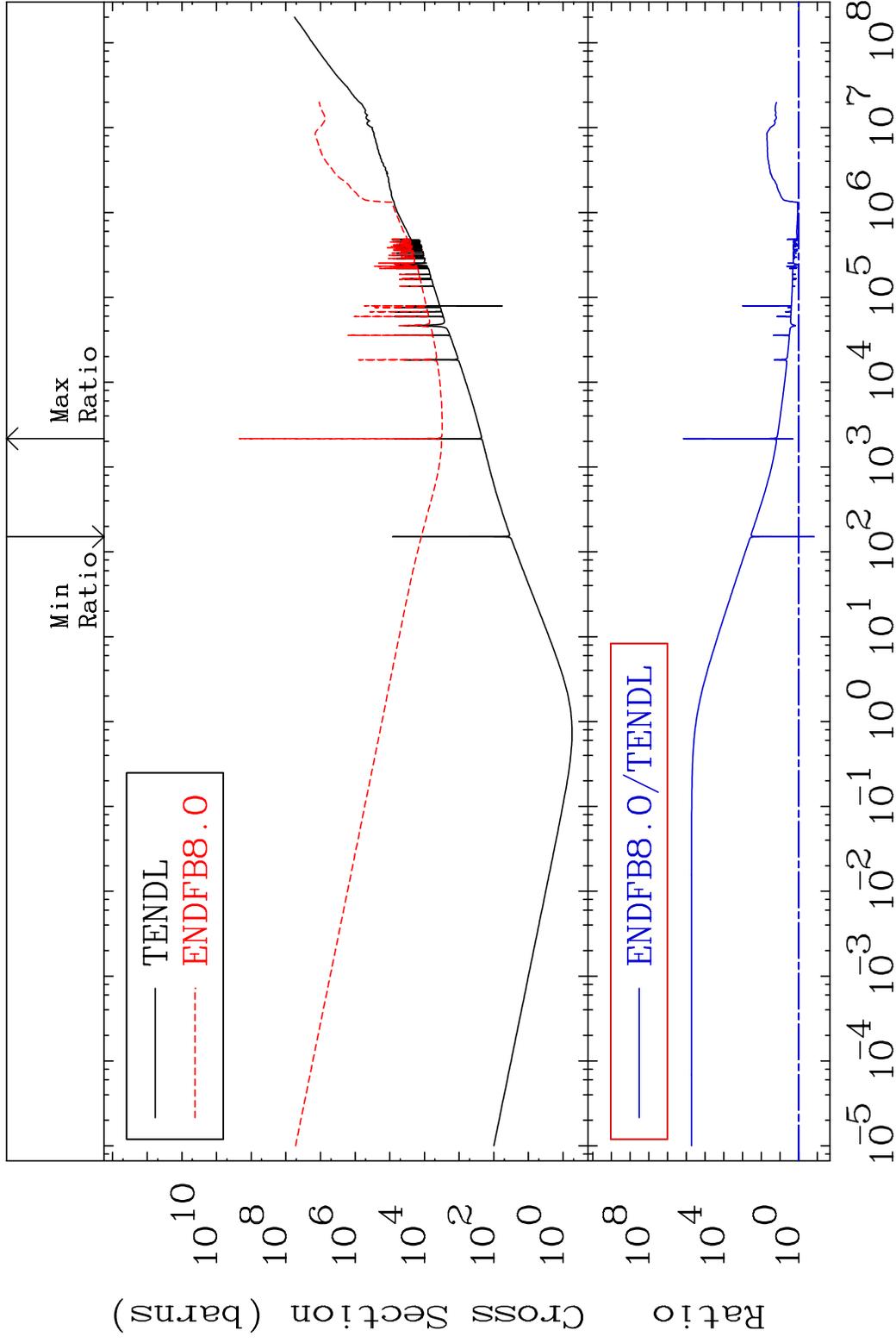


33

Incident Energy (eV)

54-Xe-136

MAT 5461 Kerma total (eV-barns) 54-Xe-136
 Cross Section -84.91 To 9999. %

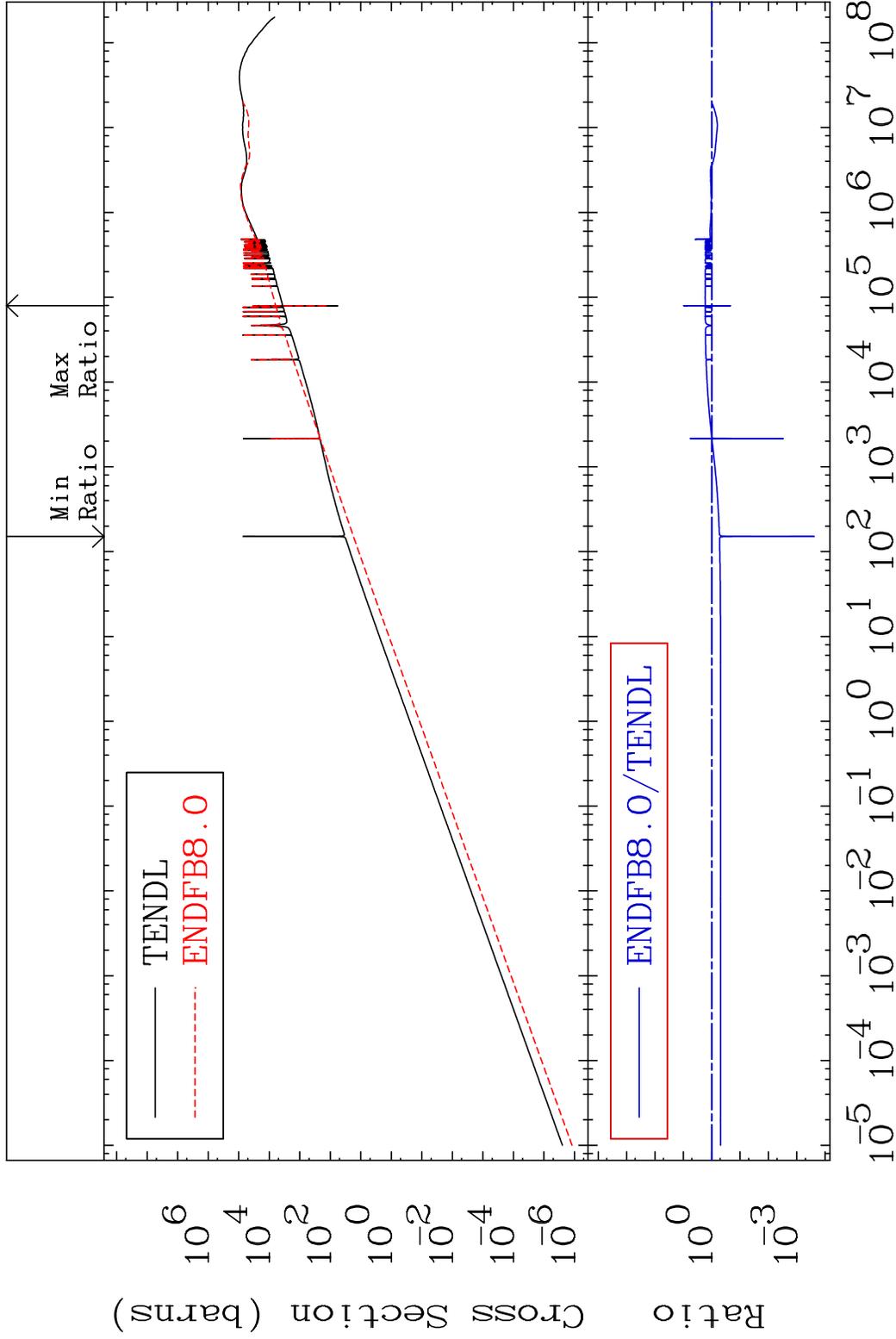


34 Incident Energy (eV) 54-Xe-136

MAT 5461

Kerma elastic
Cross Section

54-Xe-136
-99.98 To 883.8 %

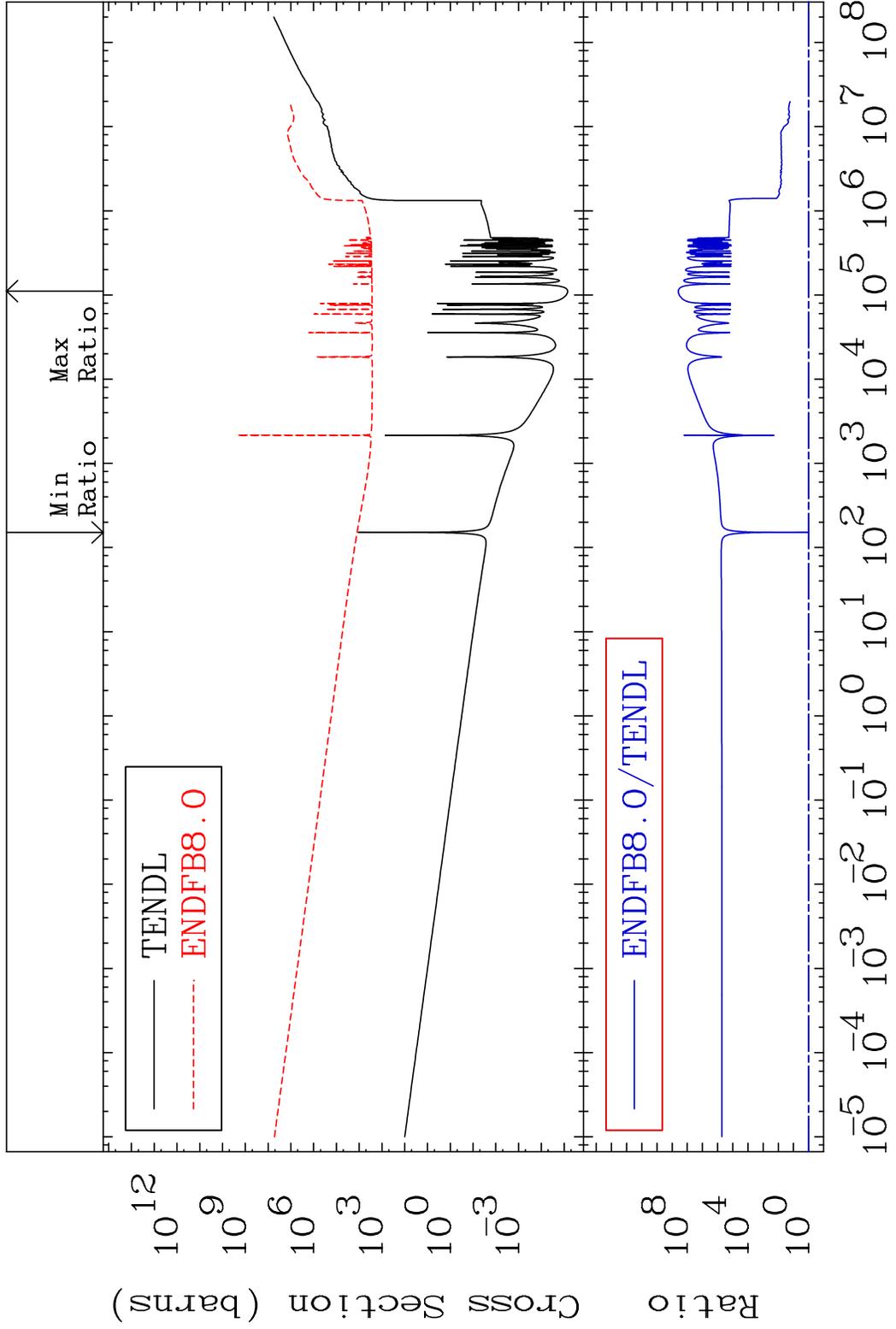


35

Incident Energy (eV)

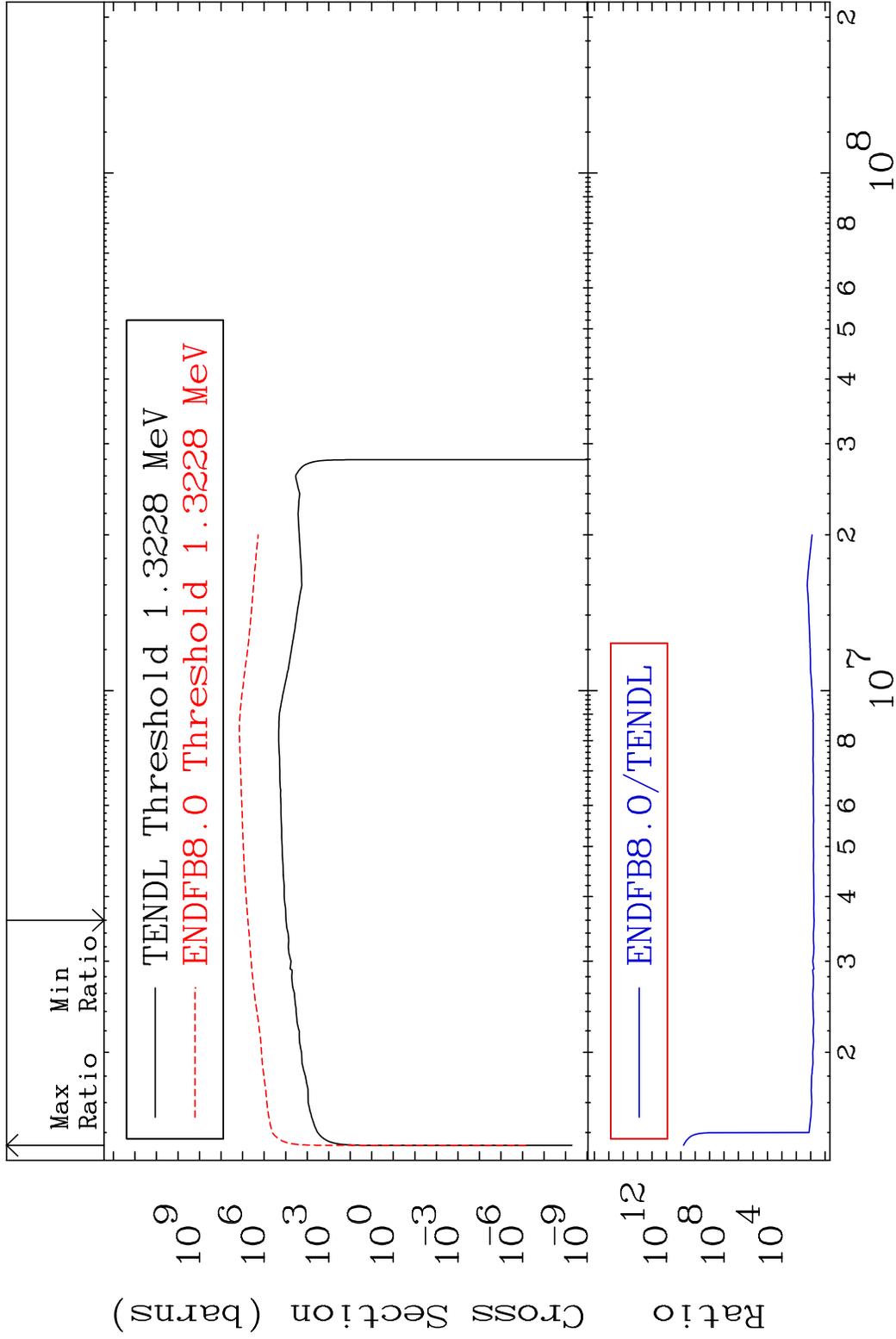
54-Xe-136

MAT 5461 Kerma non-elastic (all but mt2) 54-Xe-136
 Cross Section 12.55 To 9999. %

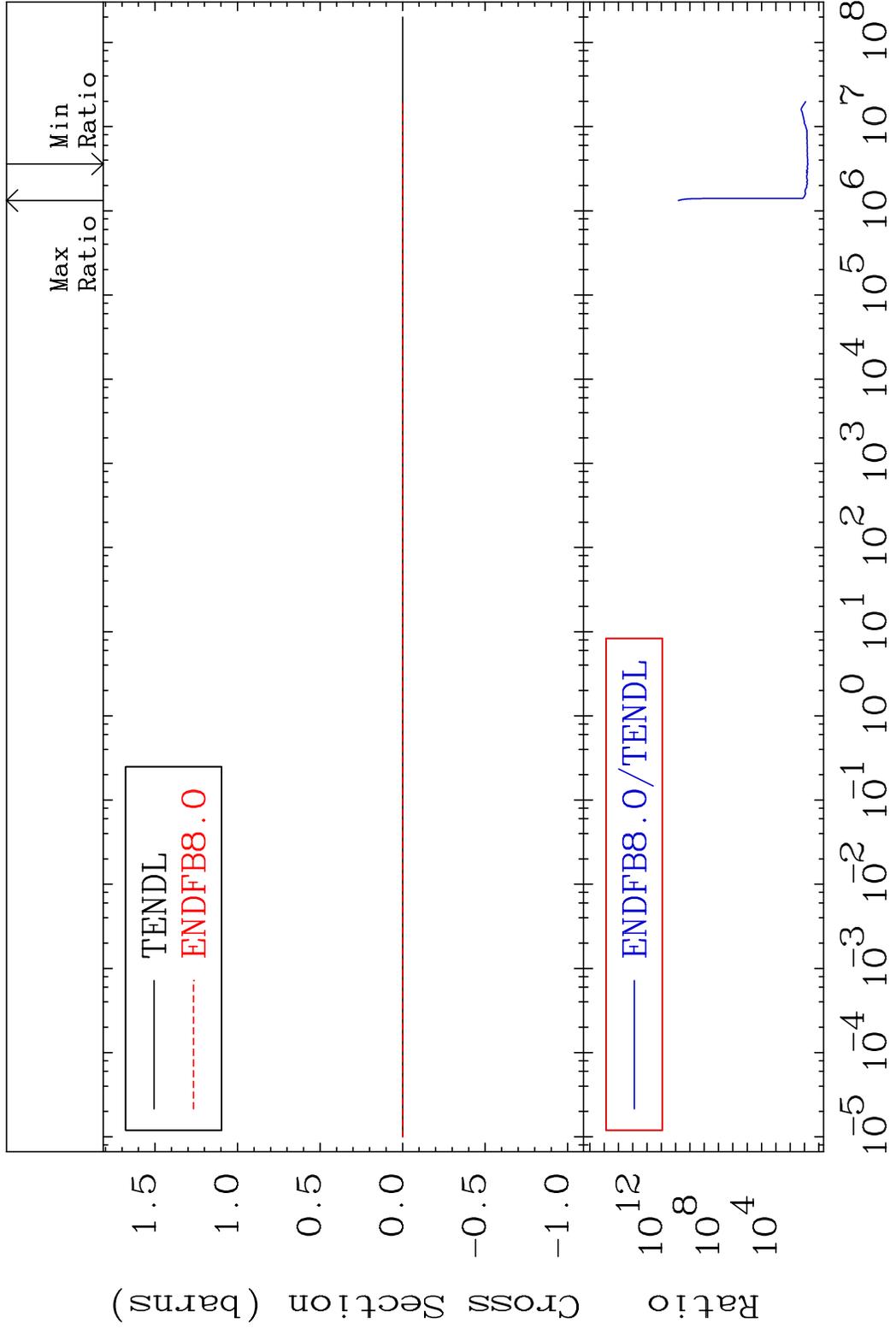


36 Incident Energy (eV) 54-Xe-136

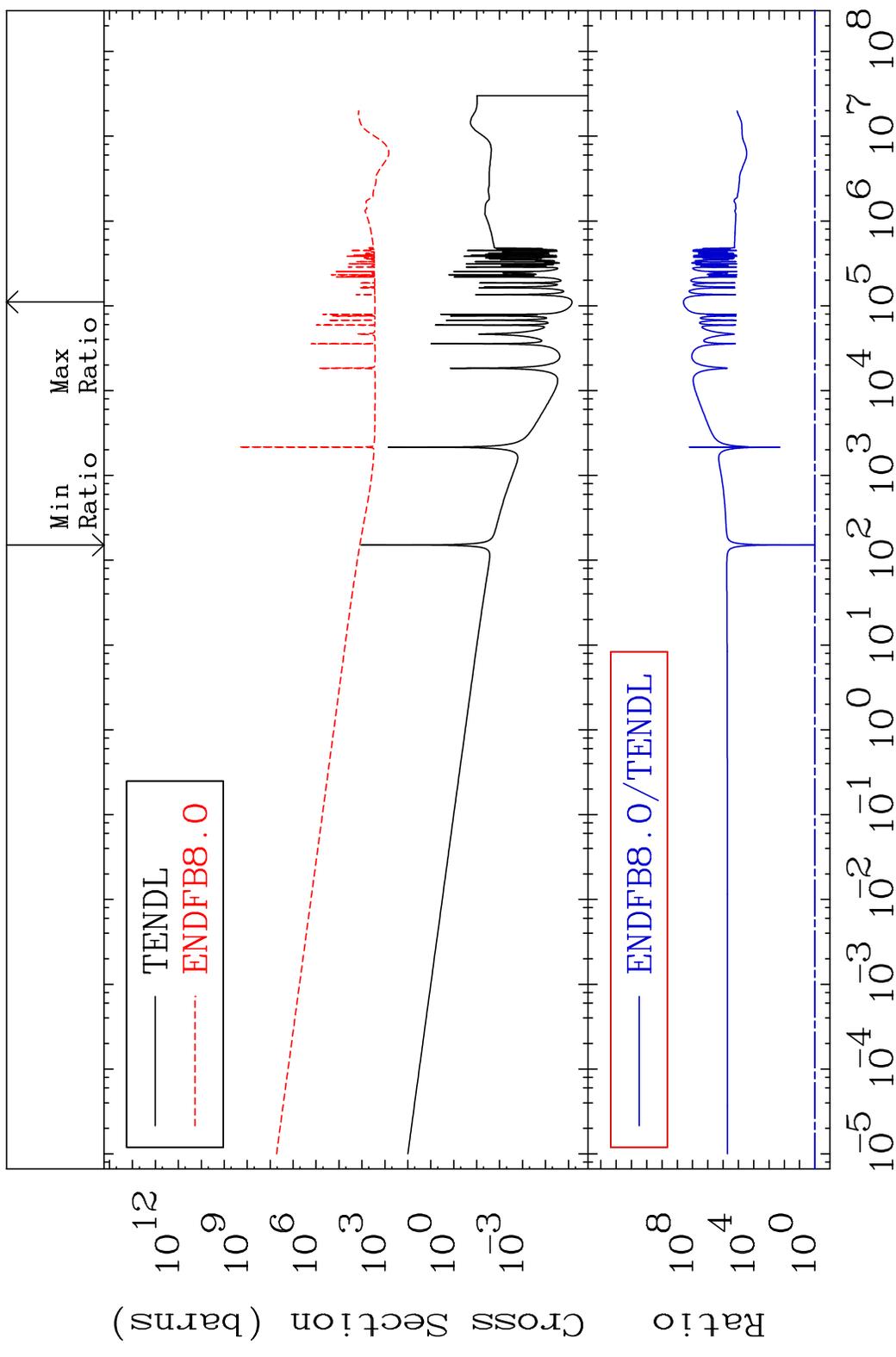
MAT 5461 Kerma inelastic (mt51-91) 54-Xe-136
 Cross Section 5705. To 9999. %



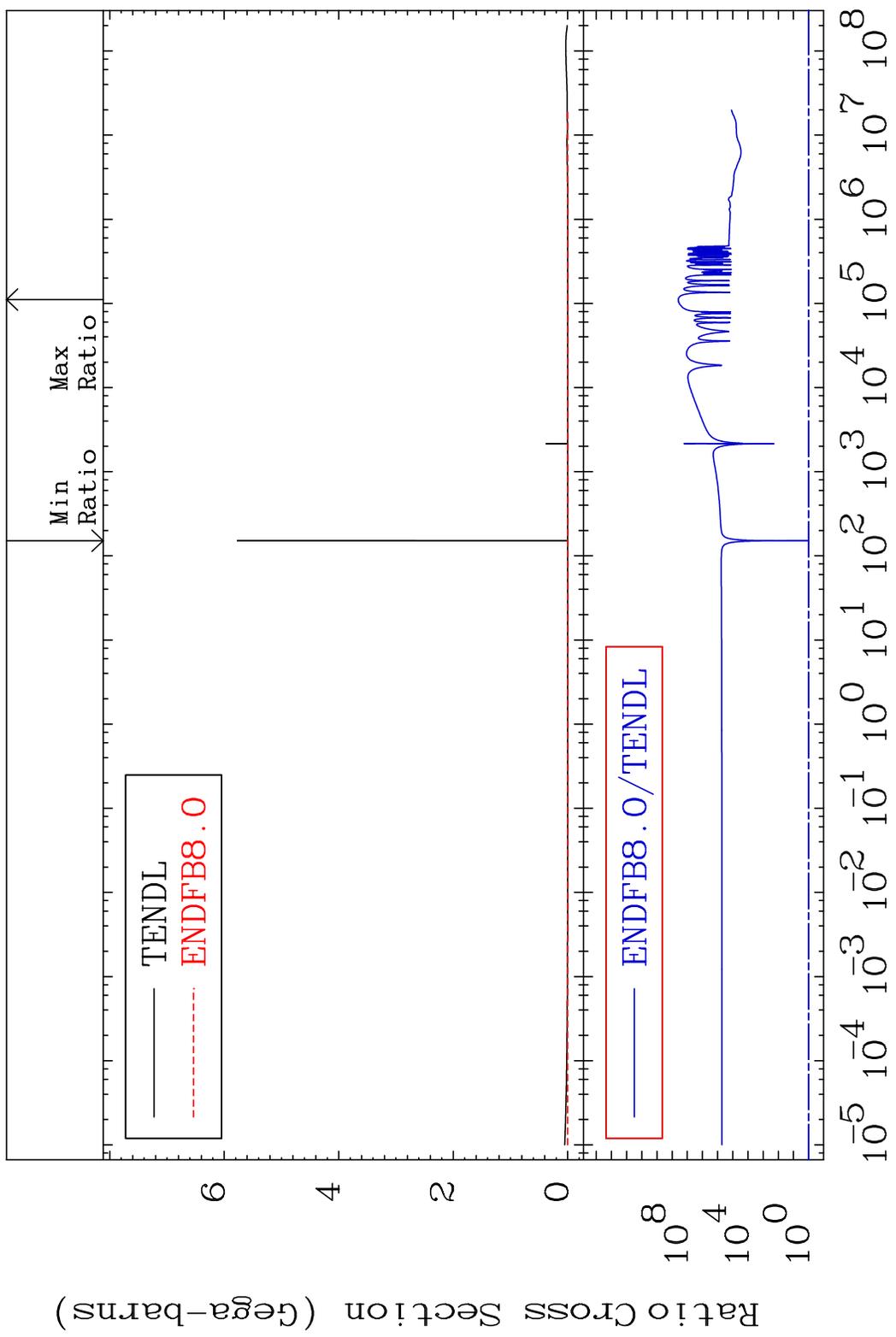
MAT 5461 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-136
 Cross Section 5705. To 9999. %



MAT 5461 Kerma capture (mt102) 54-Xe-136
 Cross Section 12.55 To 9999. %

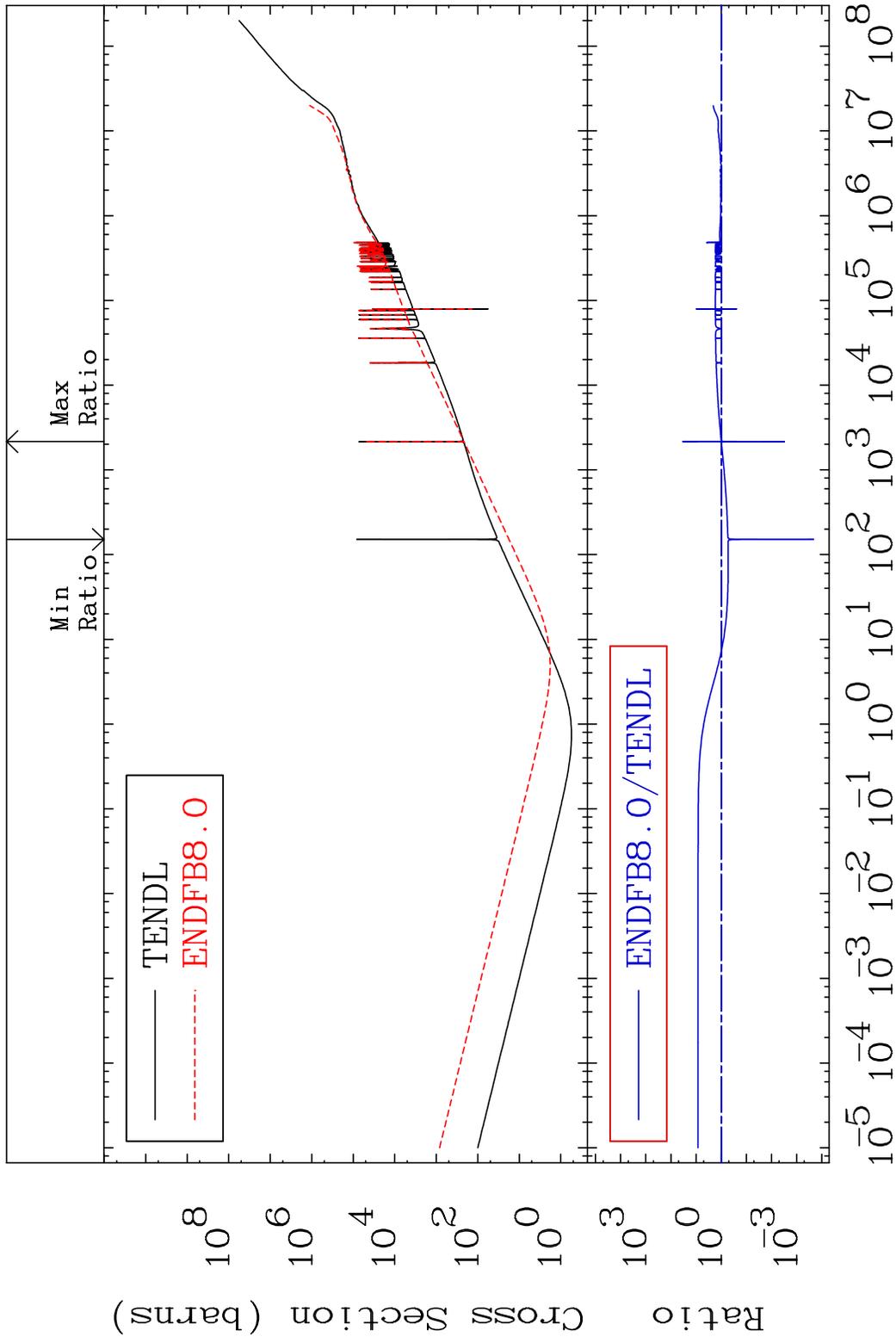


MAT 5461 Total photon (eV-barns) 54-Xe-136
 Cross Section 12.55 To 9999. %



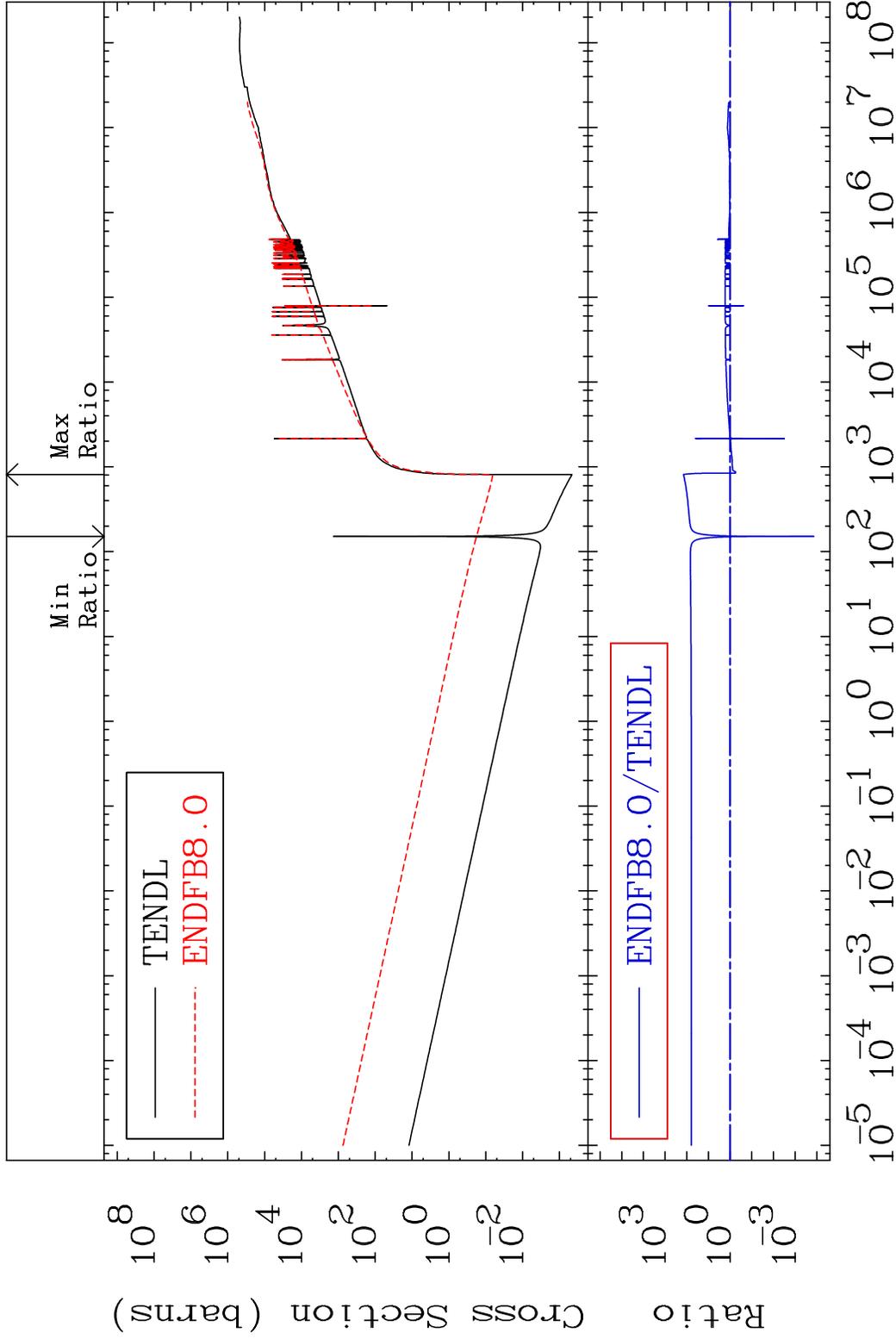
40 Incident Energy (eV) 54-Xe-136

MAT 5461 Total kinematic kerma (high limit) 54-Xe-136
 Cross Section -99.98 To 3245. %



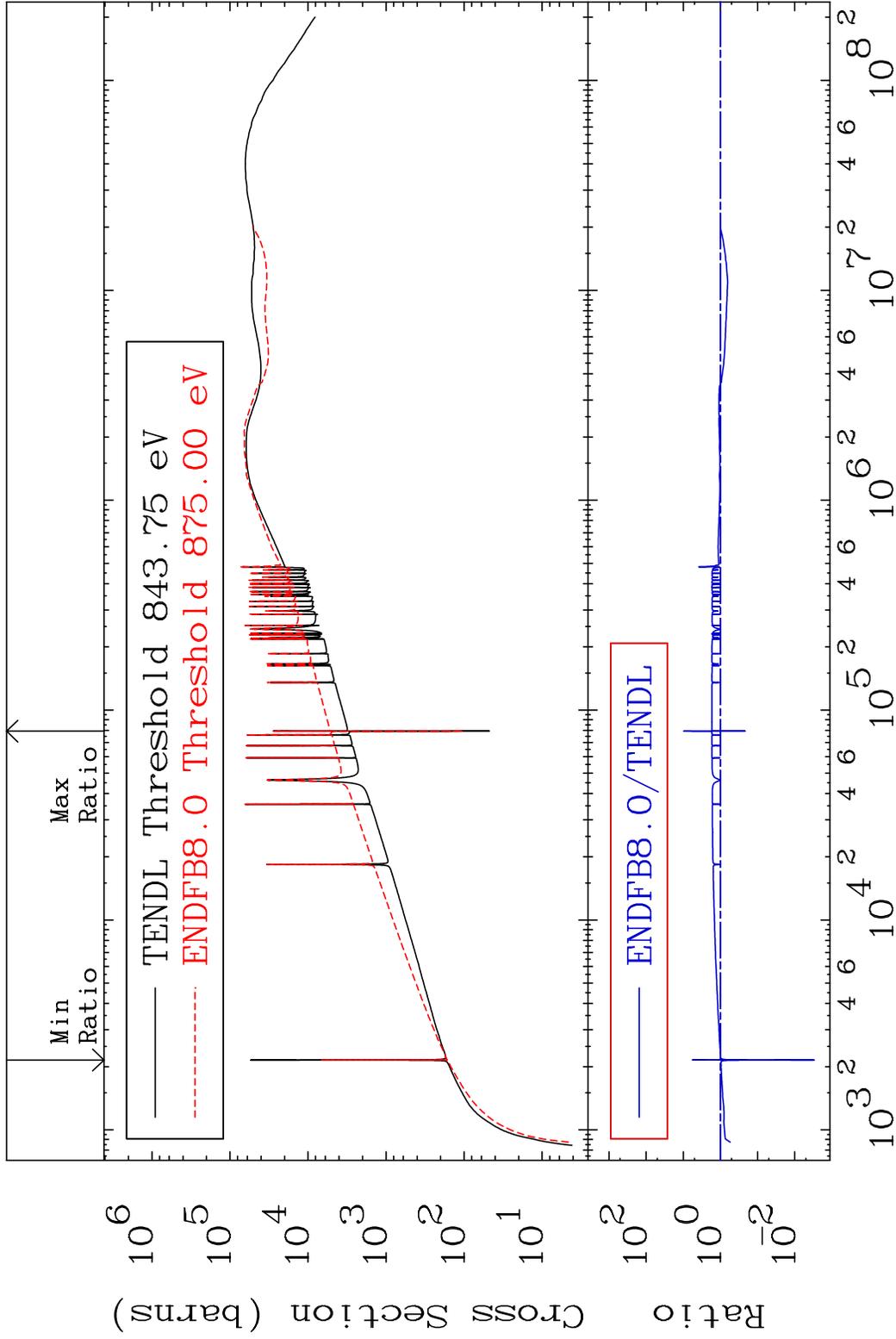
41 Incident Energy (eV) 54-Xe-136

MAT 5461 Dpa total (eV-barns) 54-Xe-136
 Cross Section -99.99 To 9999. %



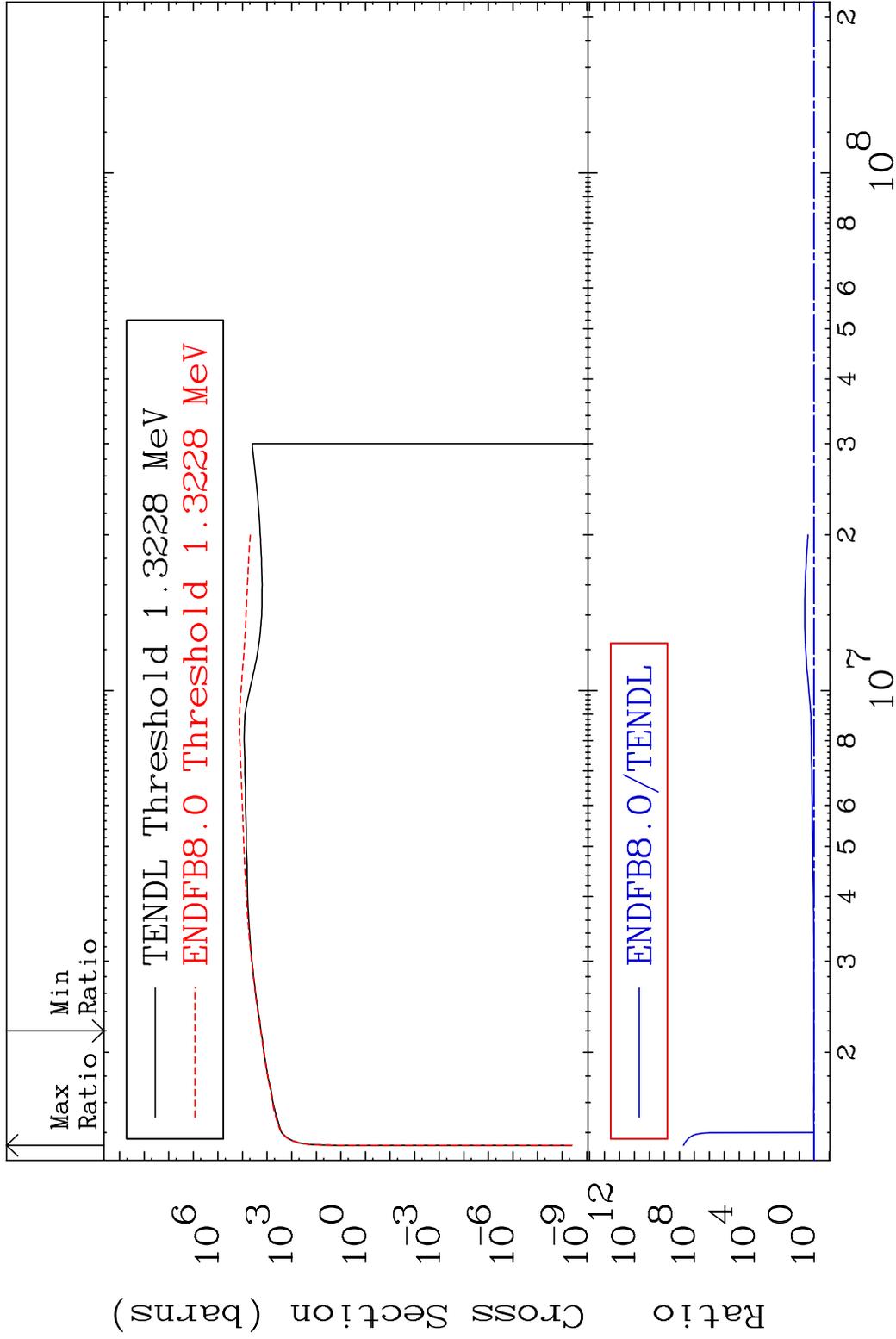
42 Incident Energy (eV) 54-Xe-136

MAT 5461 Dpa elastic (mt2) 54-Xe-136
 Cross Section -99.70 To 884.1 %

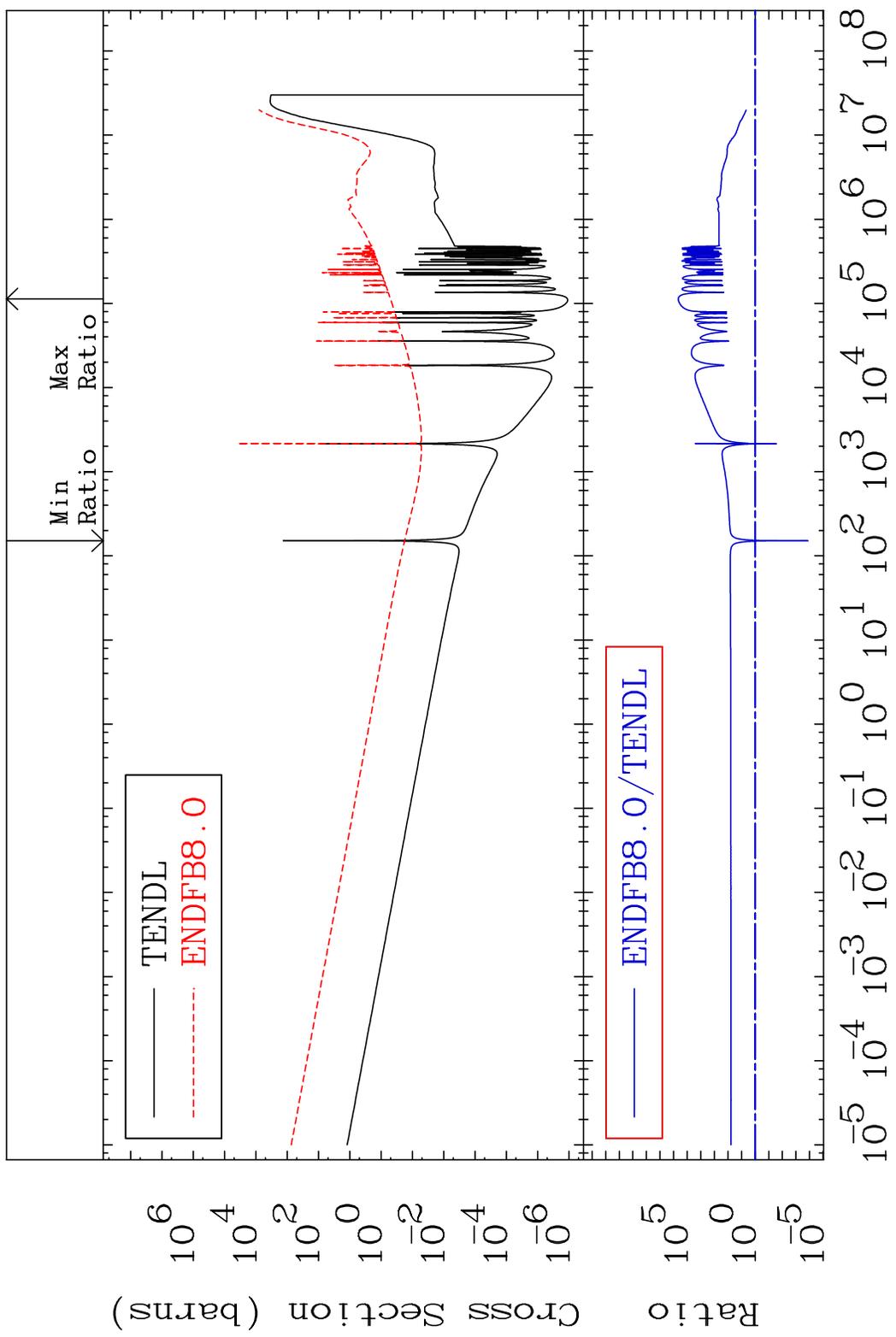


43 Incident Energy (eV) 54-Xe-136

MAT 5461 Dpa inelastic (mt51-91) 54-Xe-136
 Cross Section 0.923 To 9999. %



MAT 5461 Dpa disappearance (mt102 -120) 54-Xe-136
 Cross Section -99.99 To 9999. %



45 Incident Energy (eV) 54-Xe-136