

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

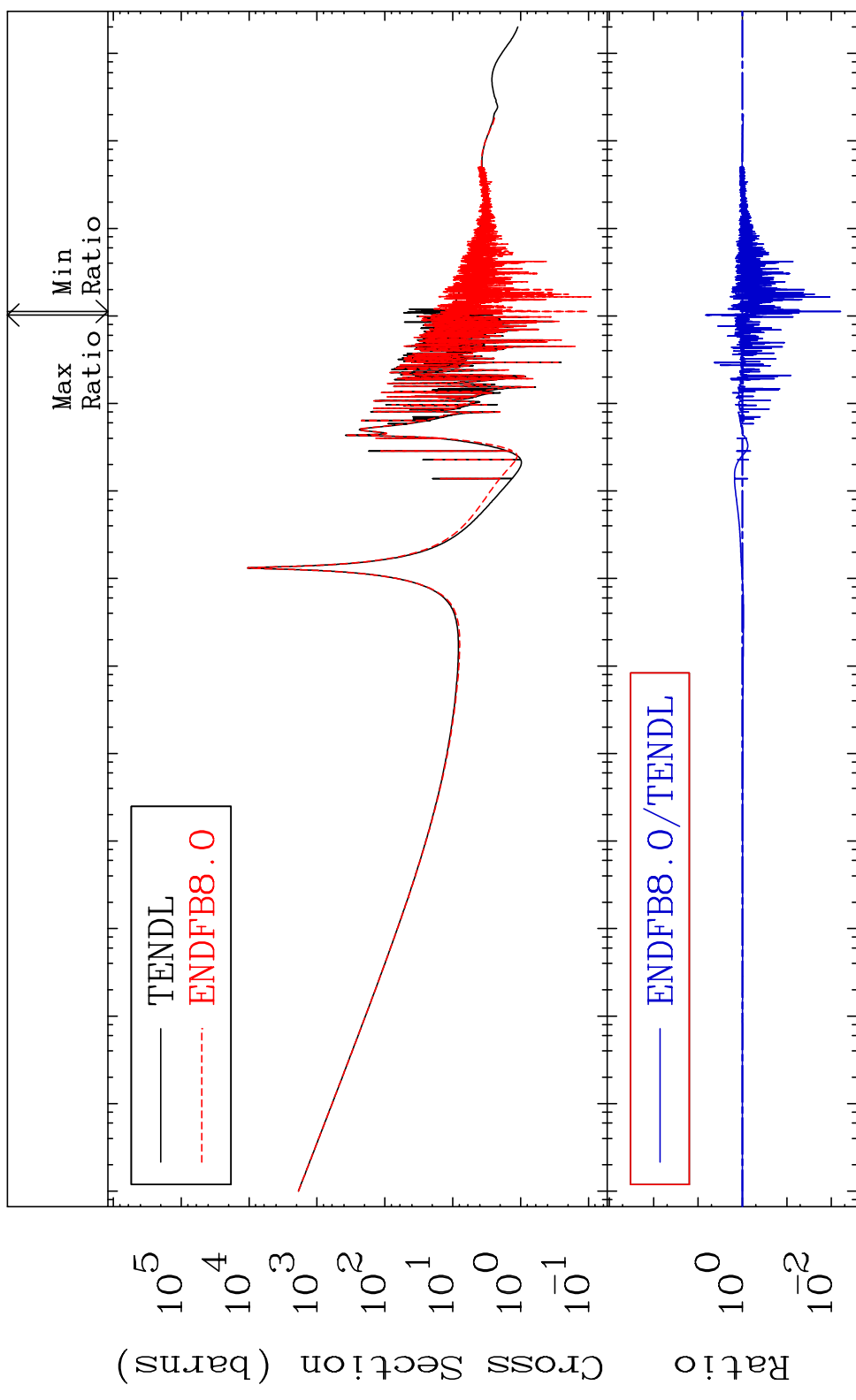
MAT 2725

Total

27-Co-59

Cross Section

-99.38 To 570.2 %



1

Incident Energy (eV)

27-Co-59

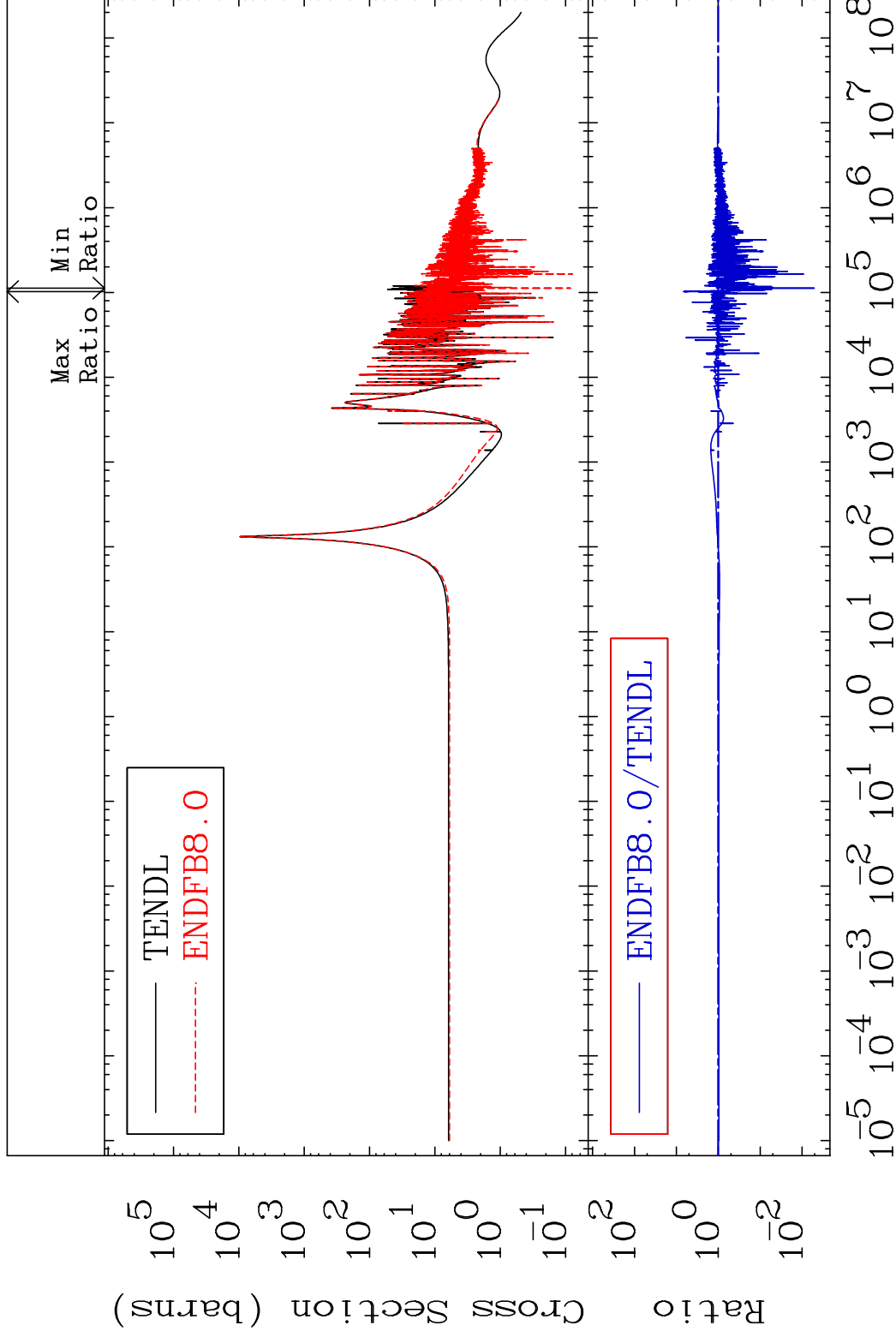
MAT 2725

Elastic

27-Co-59

Cross Section

-99.48 To 569.9 %

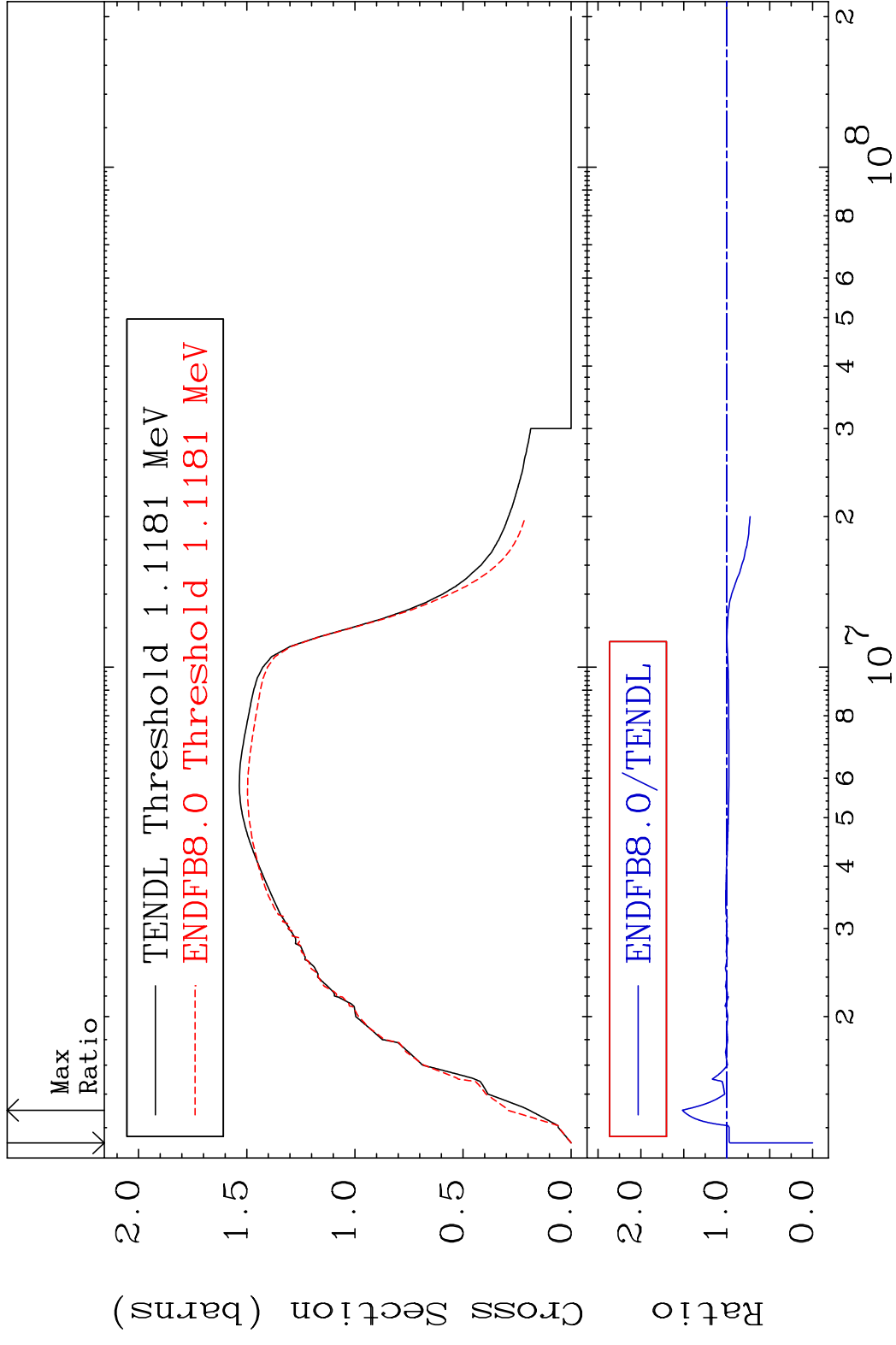


2

Incident Energy (eV)

27-Co-59

MAT 2725 Inelastic 27-Co-59
 Cross Section -100.0 To 51.68 %

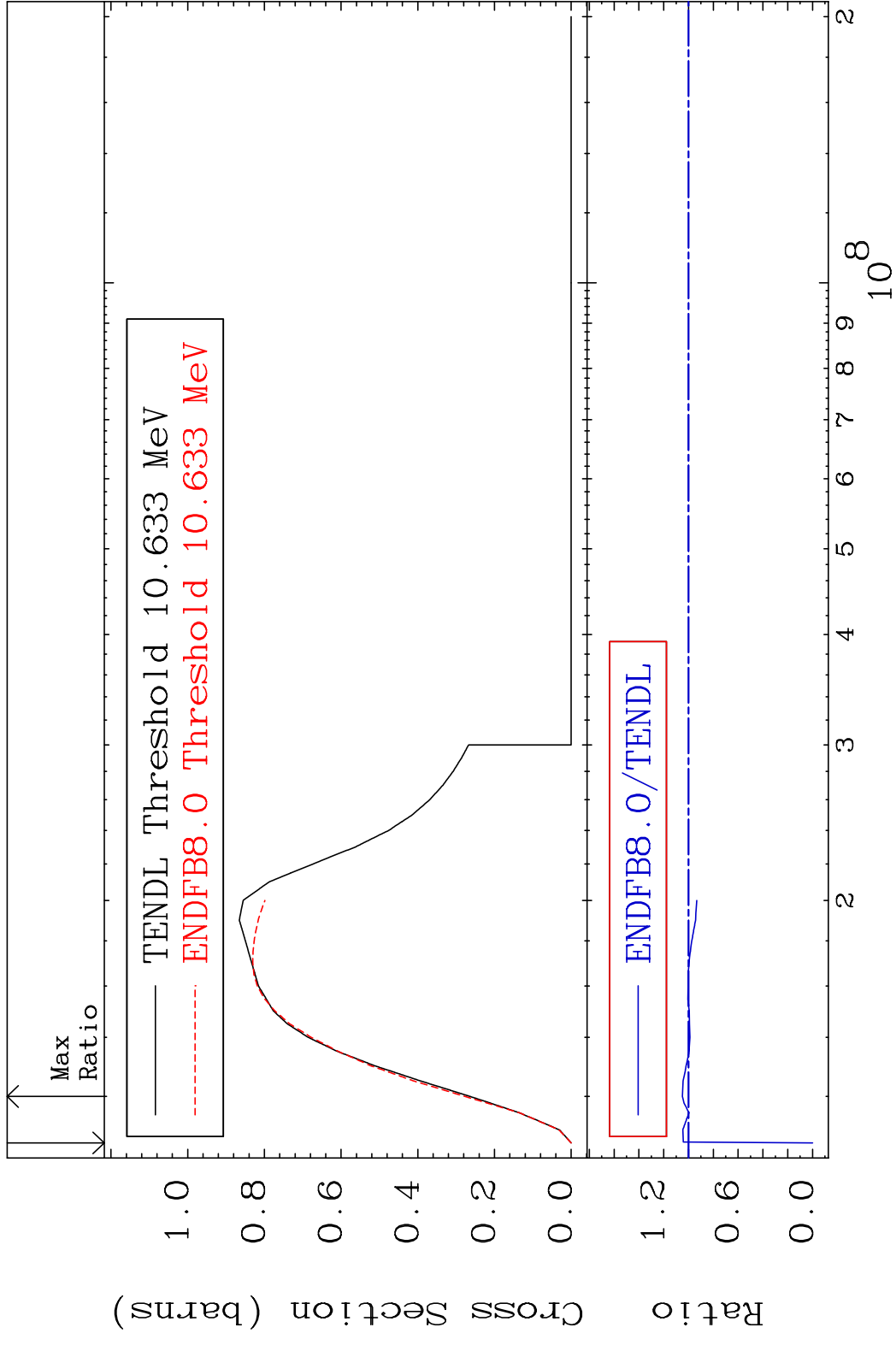


MAT 2725

(n,2n)

27-Co-59

Cross Section -100.0 To 4.981 %



4

Incident Energy (eV)

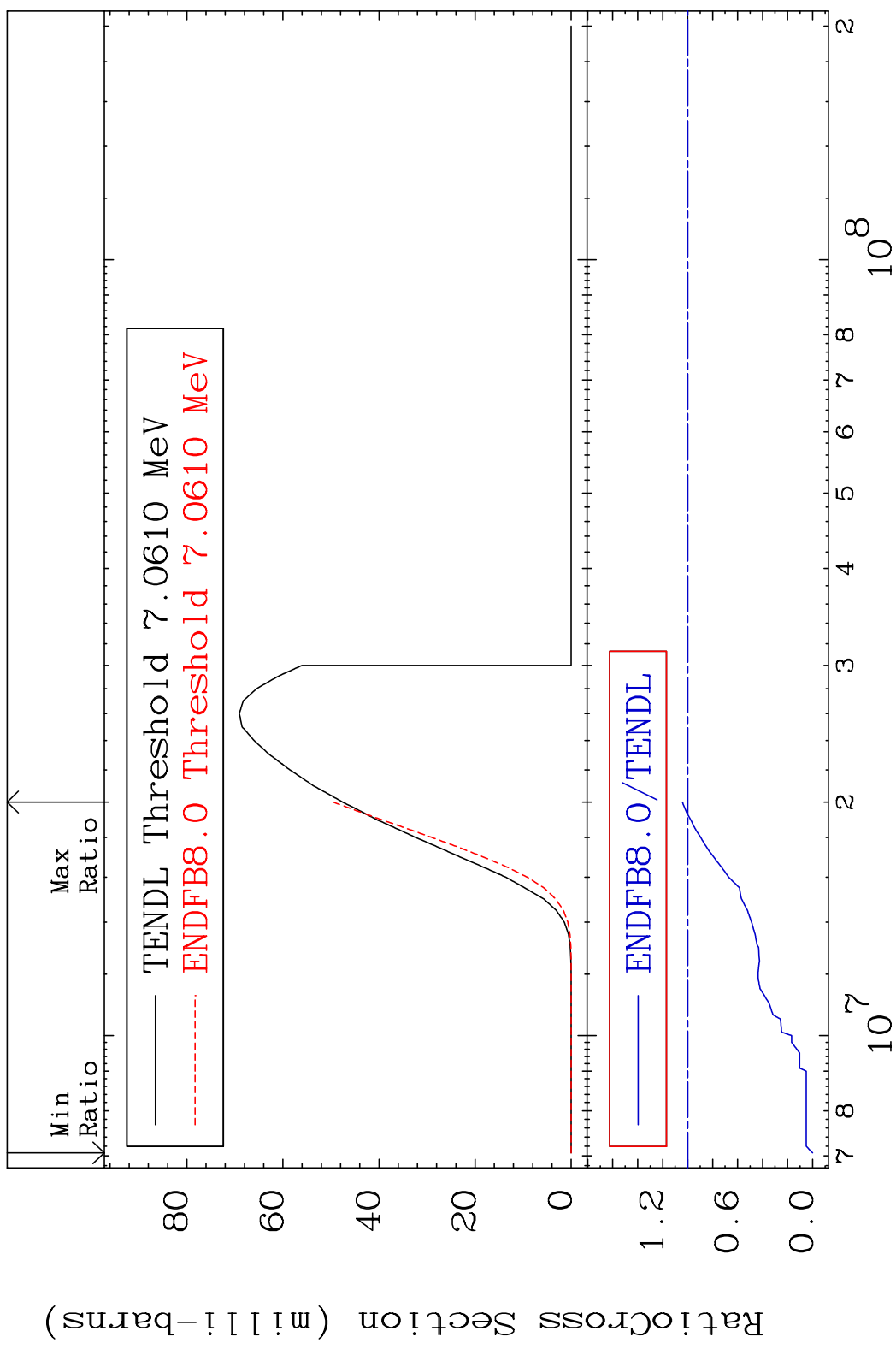
27-Co-59

MAT 2725

(n, n') α

27-Co-59

Cross Section -100.0 To 4.243 %

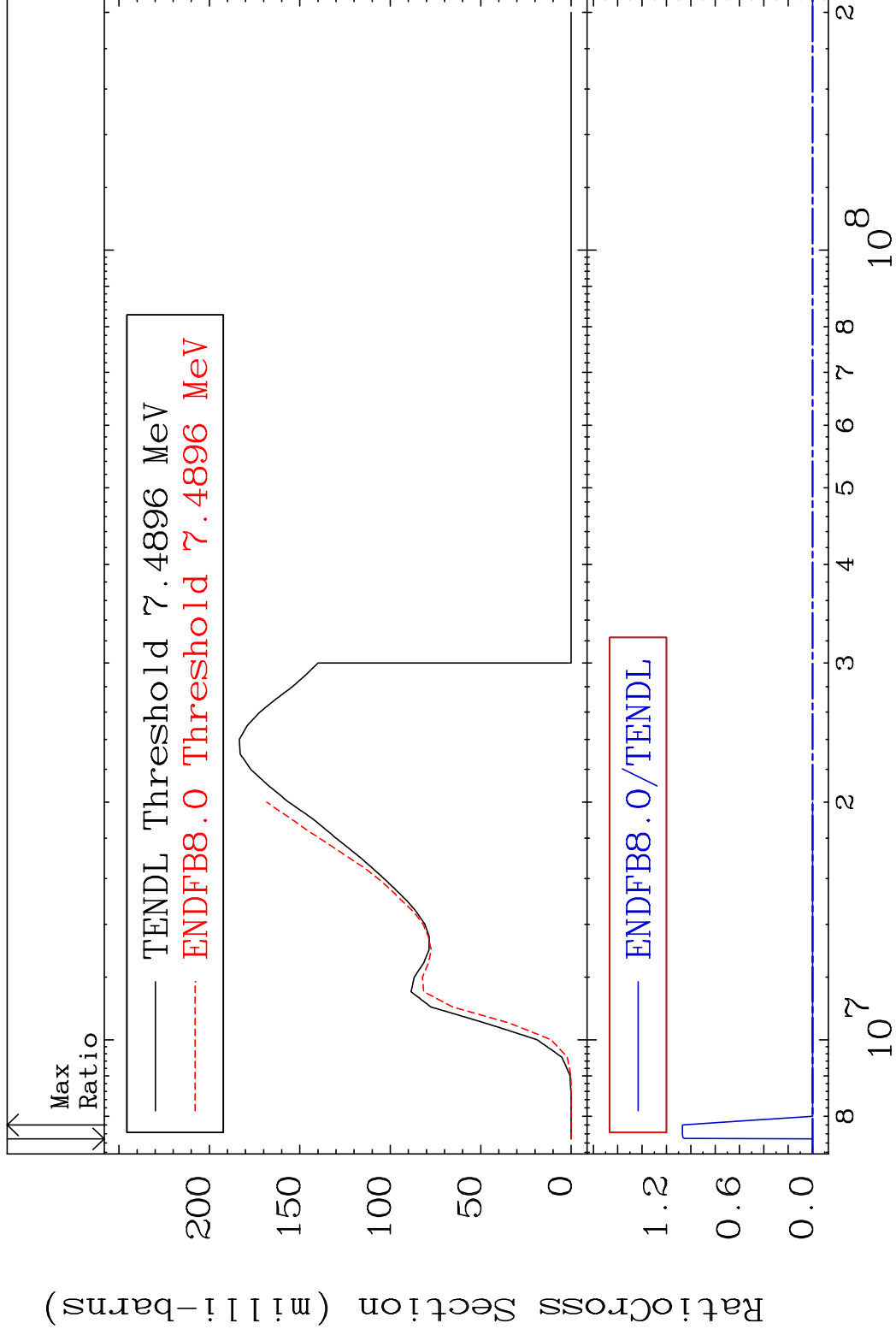


MAT 2725

(n, n') p

27-Co-59

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

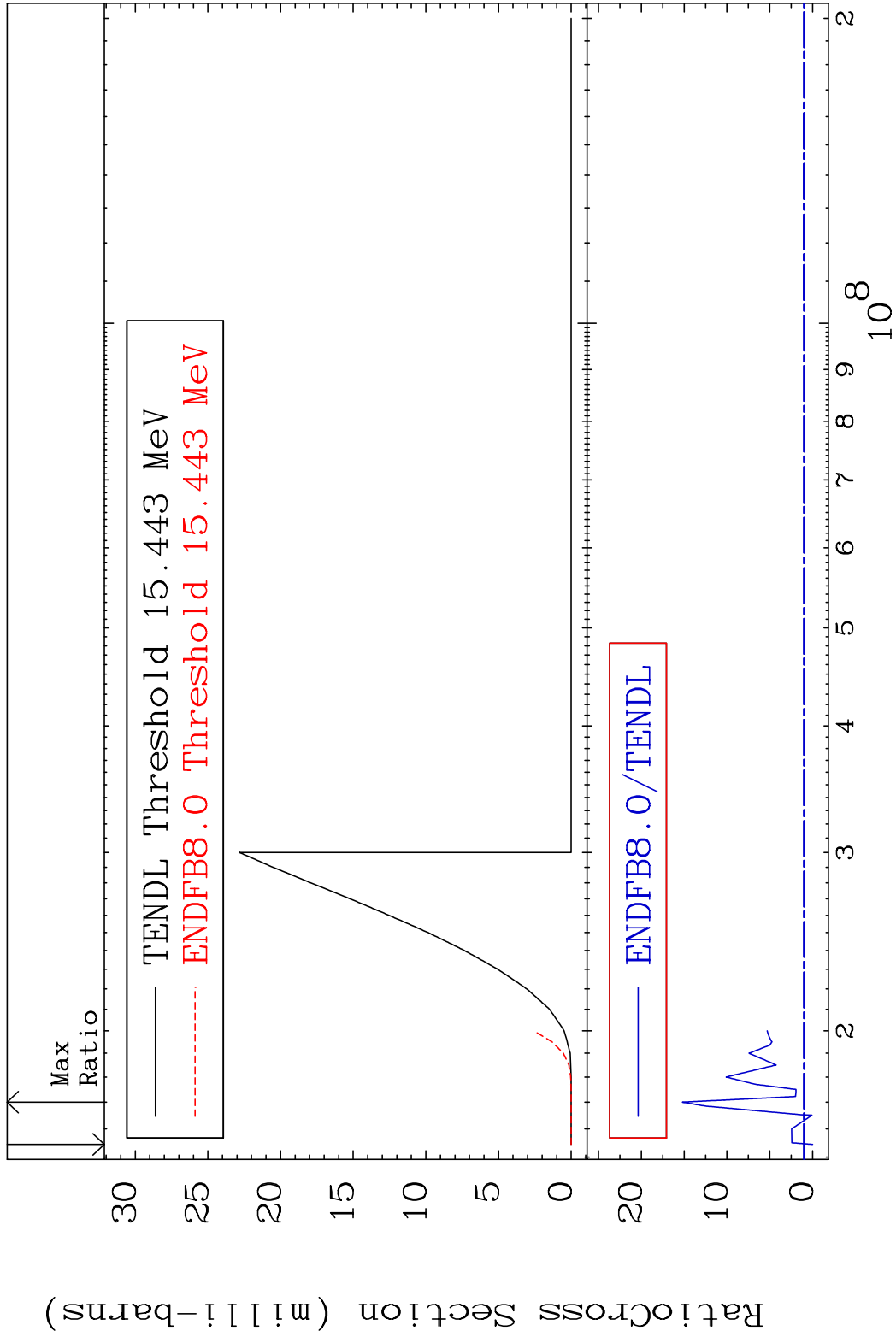
27-Co-59

MAT 2725

(n, n') d

27-Co-59

Cross Section -100.0 To 1421. %



8

Incident Energy (eV)

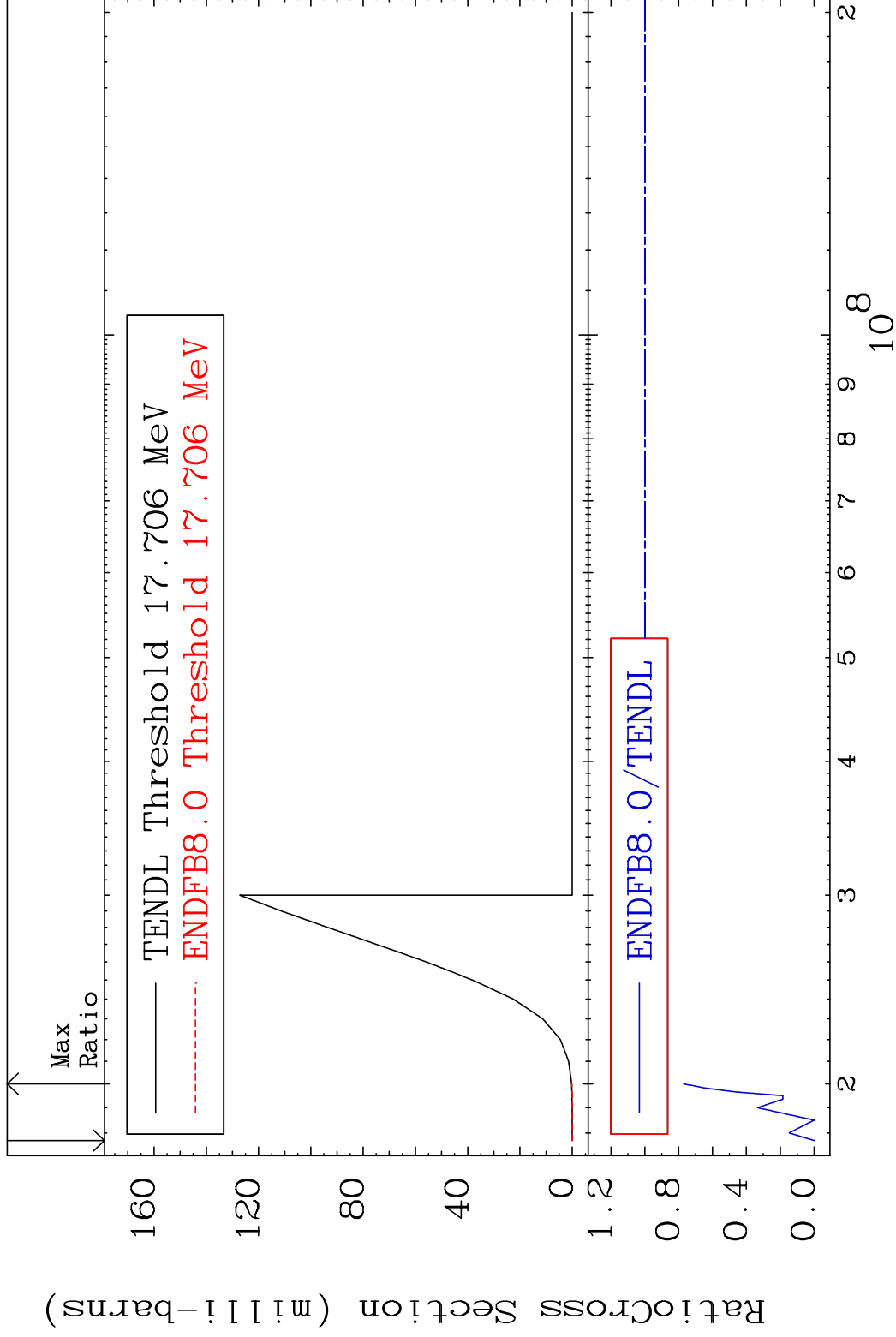
27-Co-59

MAT 2725

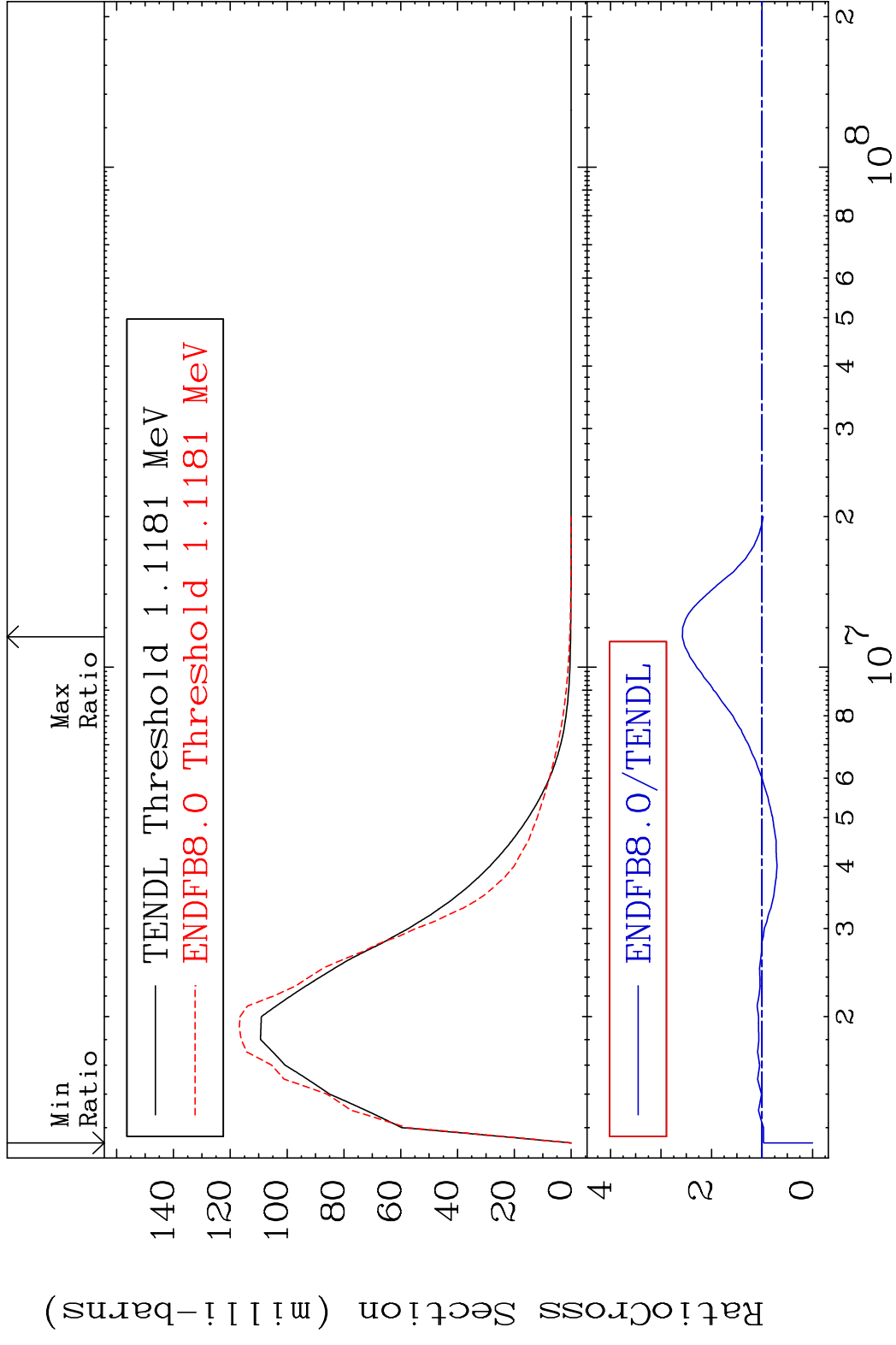
(n,2n) p

27-Co-59

Cross Section -100.0 To -22.94%

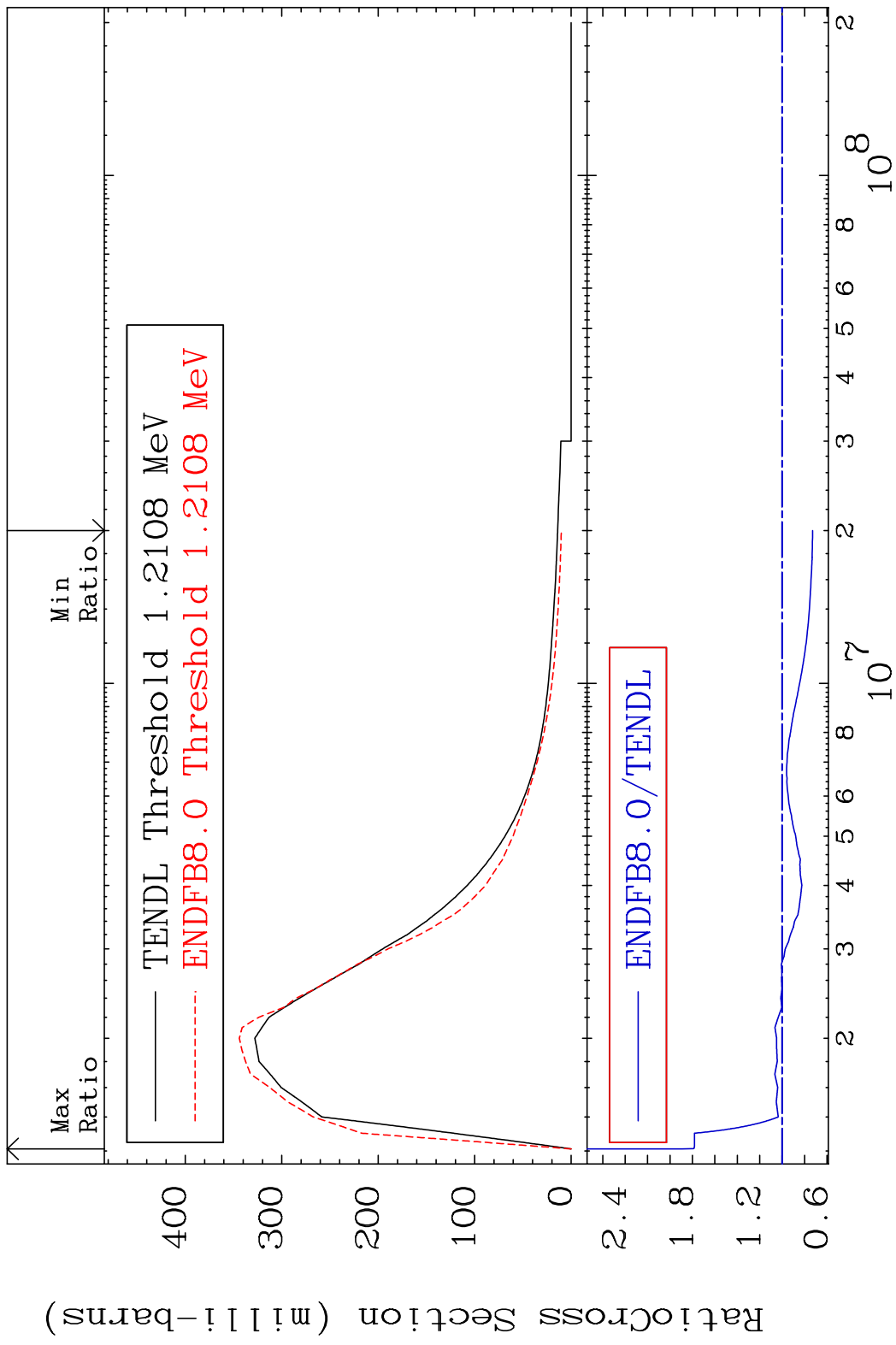


MAT 2725 MT= 51 (n, n') Level 27-Co-59
 Cross Section -100.0 To 157.7 %

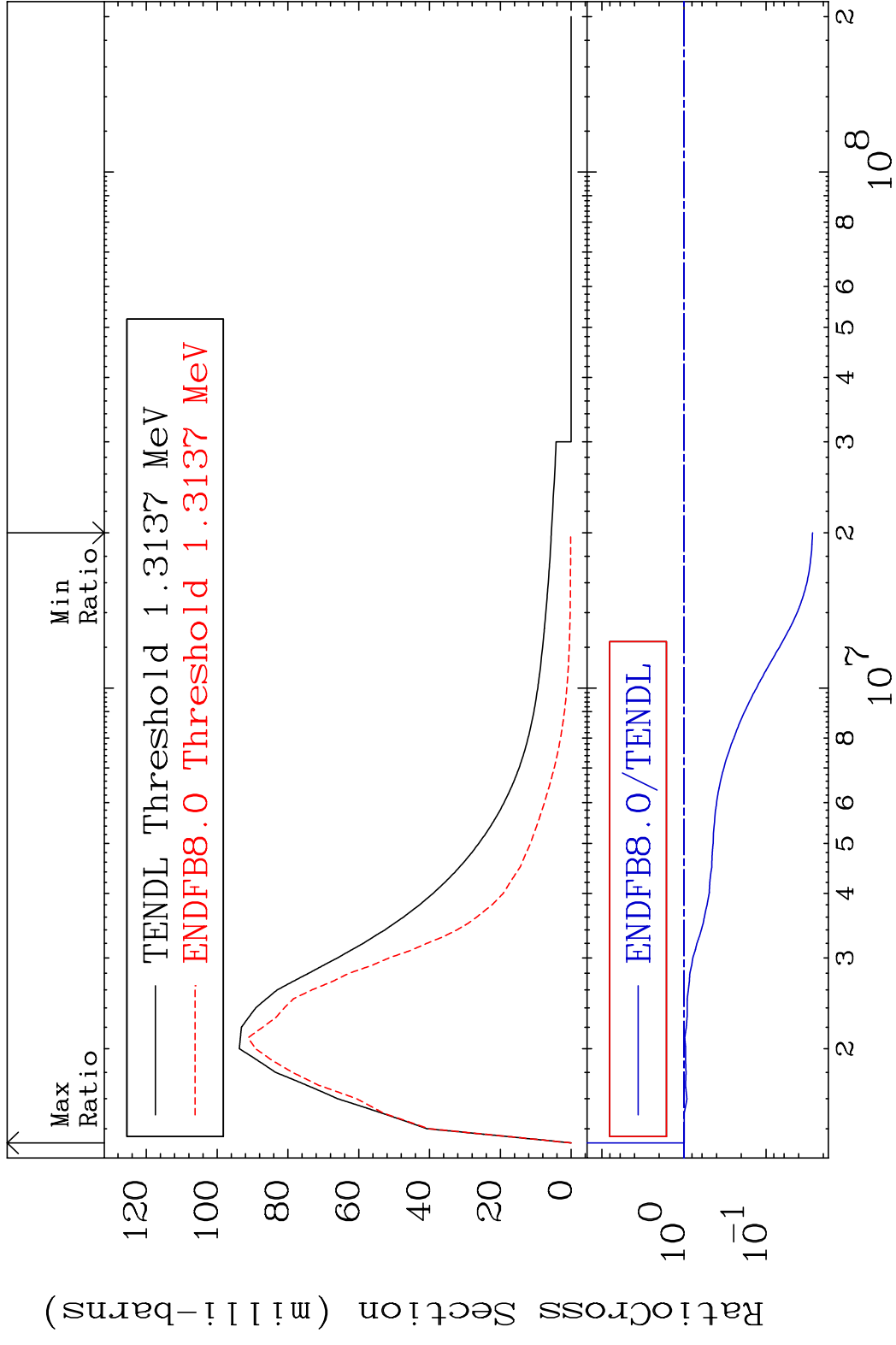


10 Incident Energy (eV) 27-Co-59

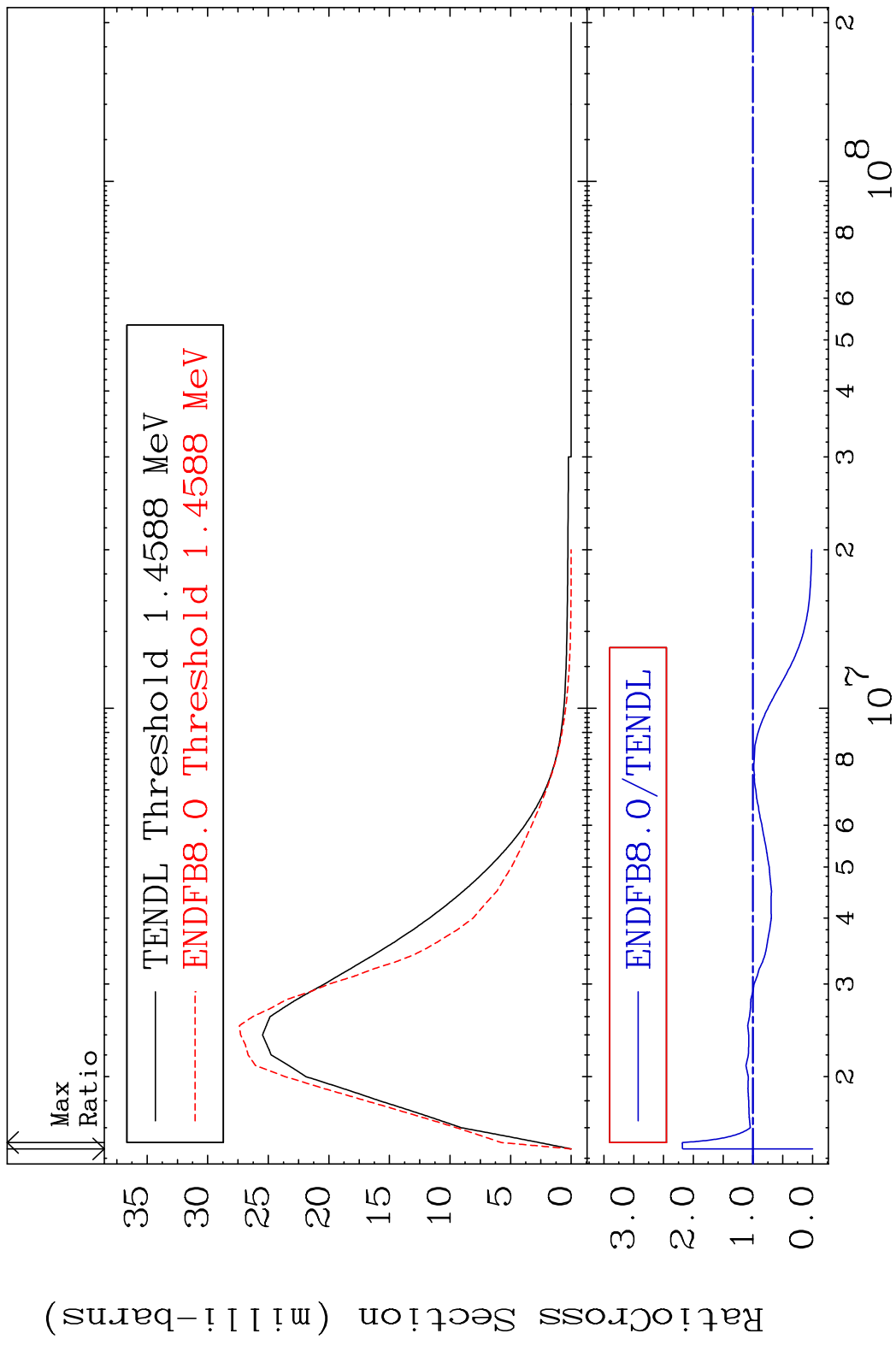
MAT 2725 MT= 52 (n, n') Level 27-Co-59
 Cross Section -27.18 To 88.99 %



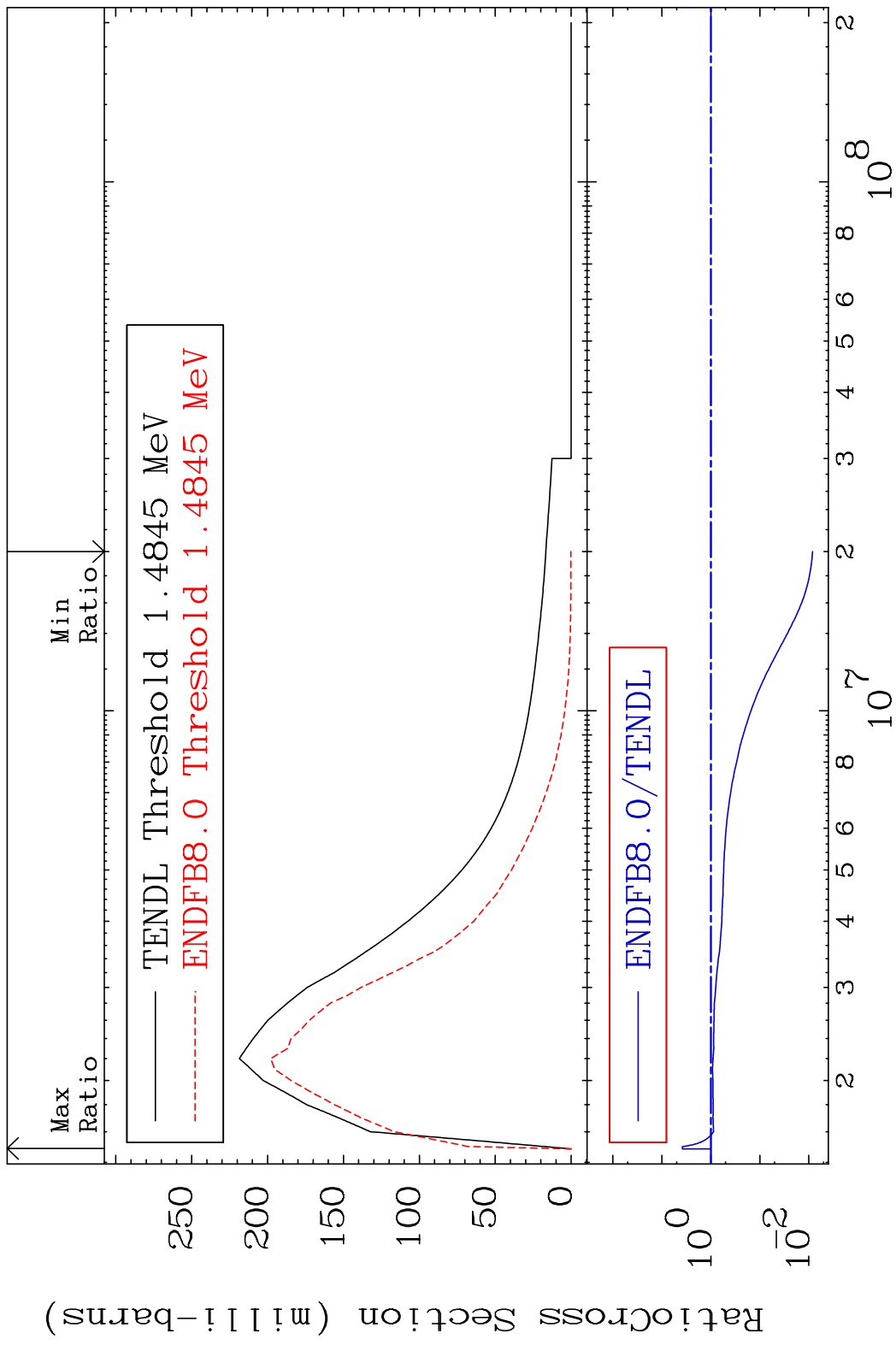
MAT 2725 MT= 53 (n, n') Level 27-Co-59
 Cross Section -97.29 To 4.433 %



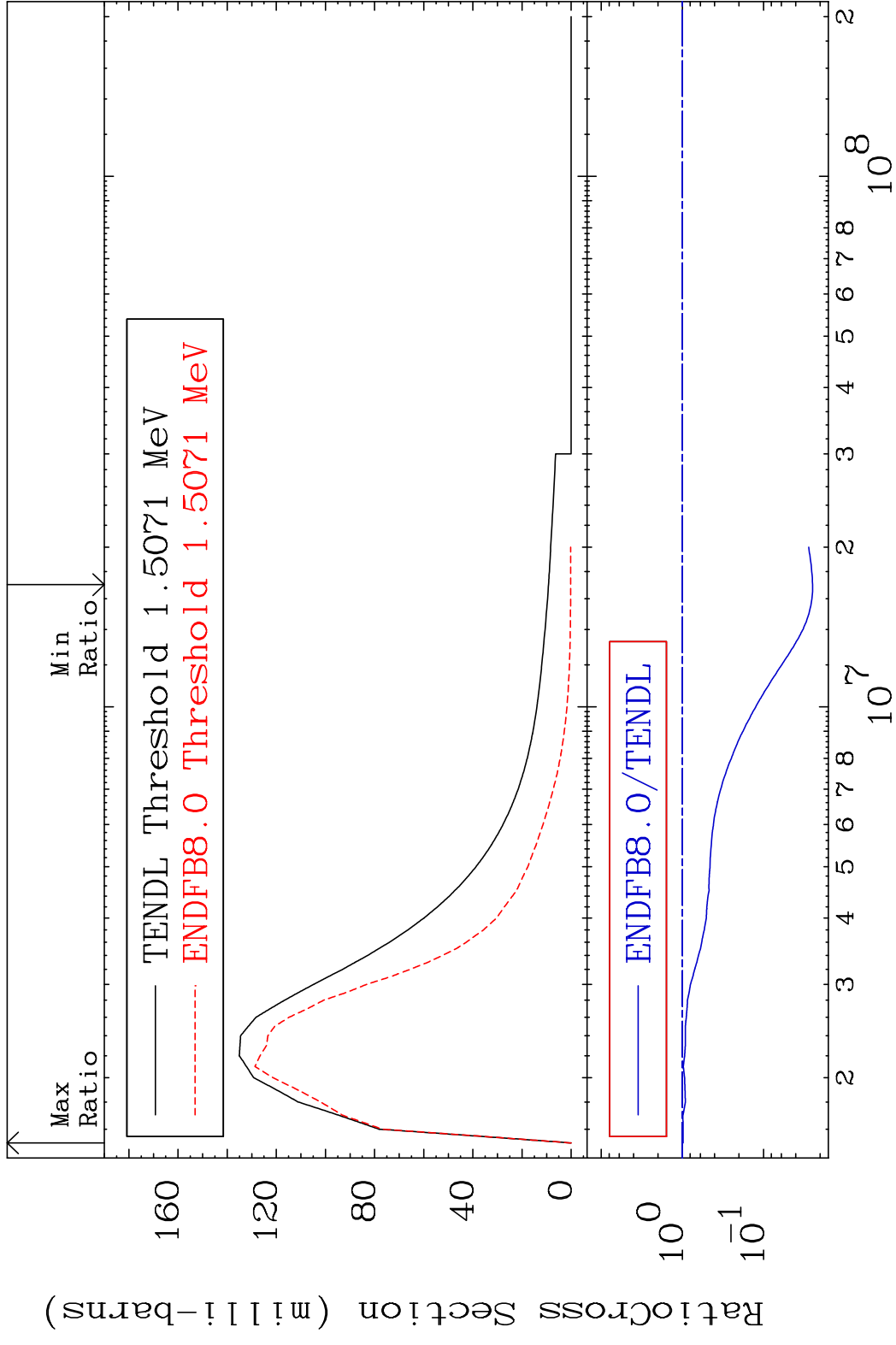
MAT 2725 MT= 54 (n,n') Level 27-Co-59
 Cross Section -100.0 To 118.4 %



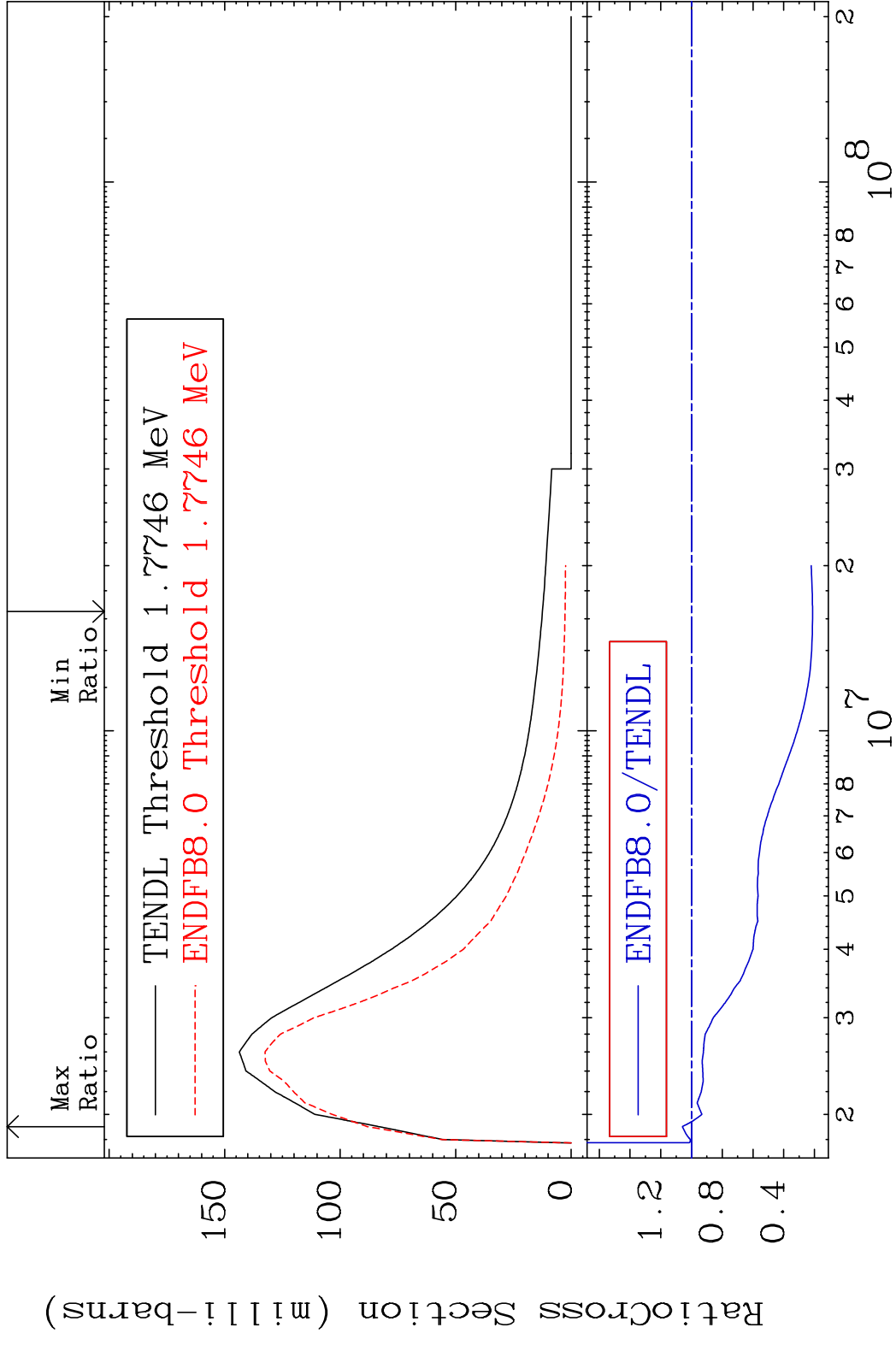
MAT 2725 MT= 55 (n, n') Level 27-Co-59
 Cross Section -99.16 To 281.9 %



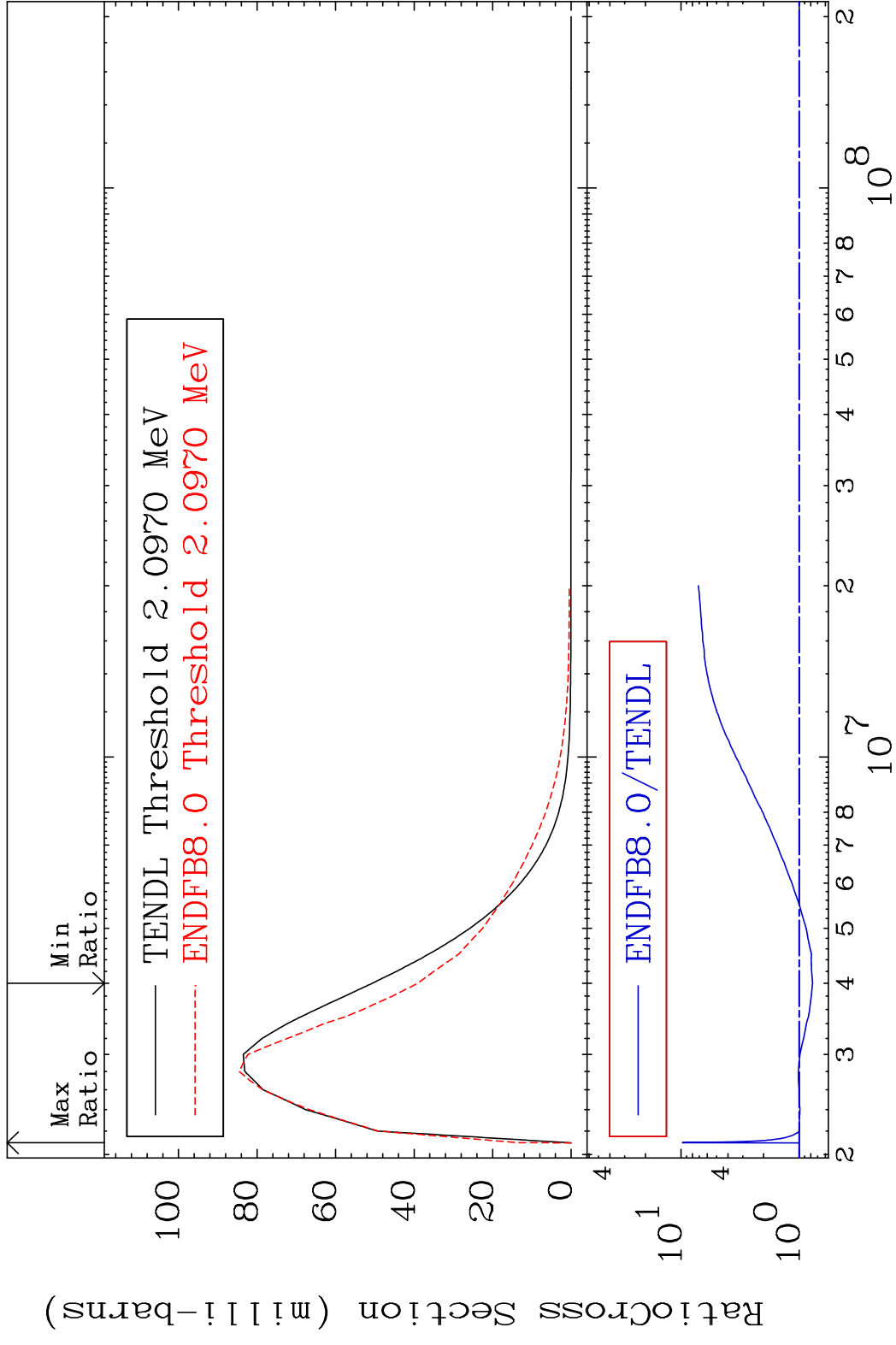
MAT 2725 MT= 56 (n, n') Level 27-Co-59
 Cross Section -97.52 To 0.000 %



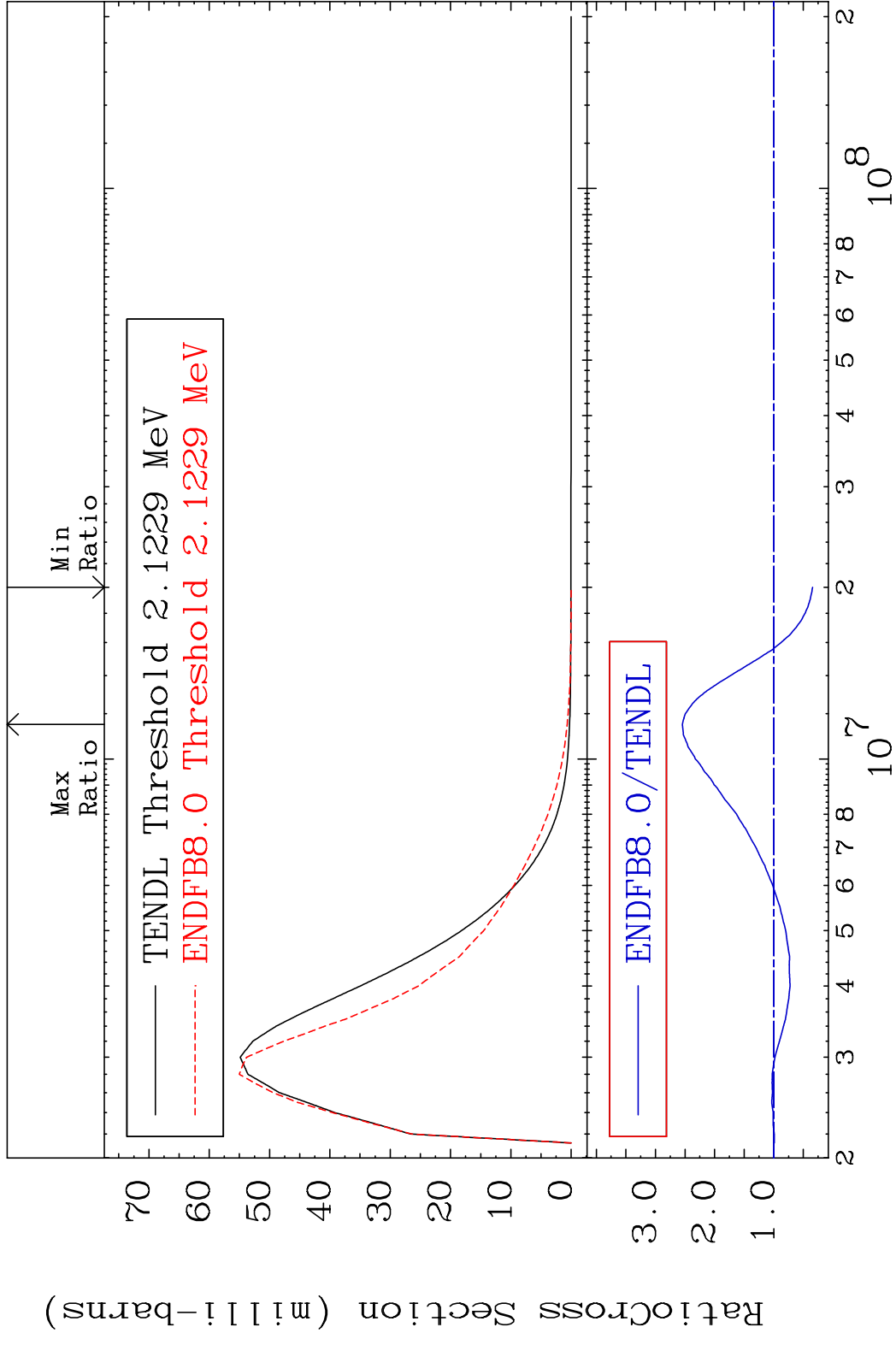
MAT 2725 MT= 57 (n,n') Level 27-Co-59
 Cross Section -78.74 To 5.966 %



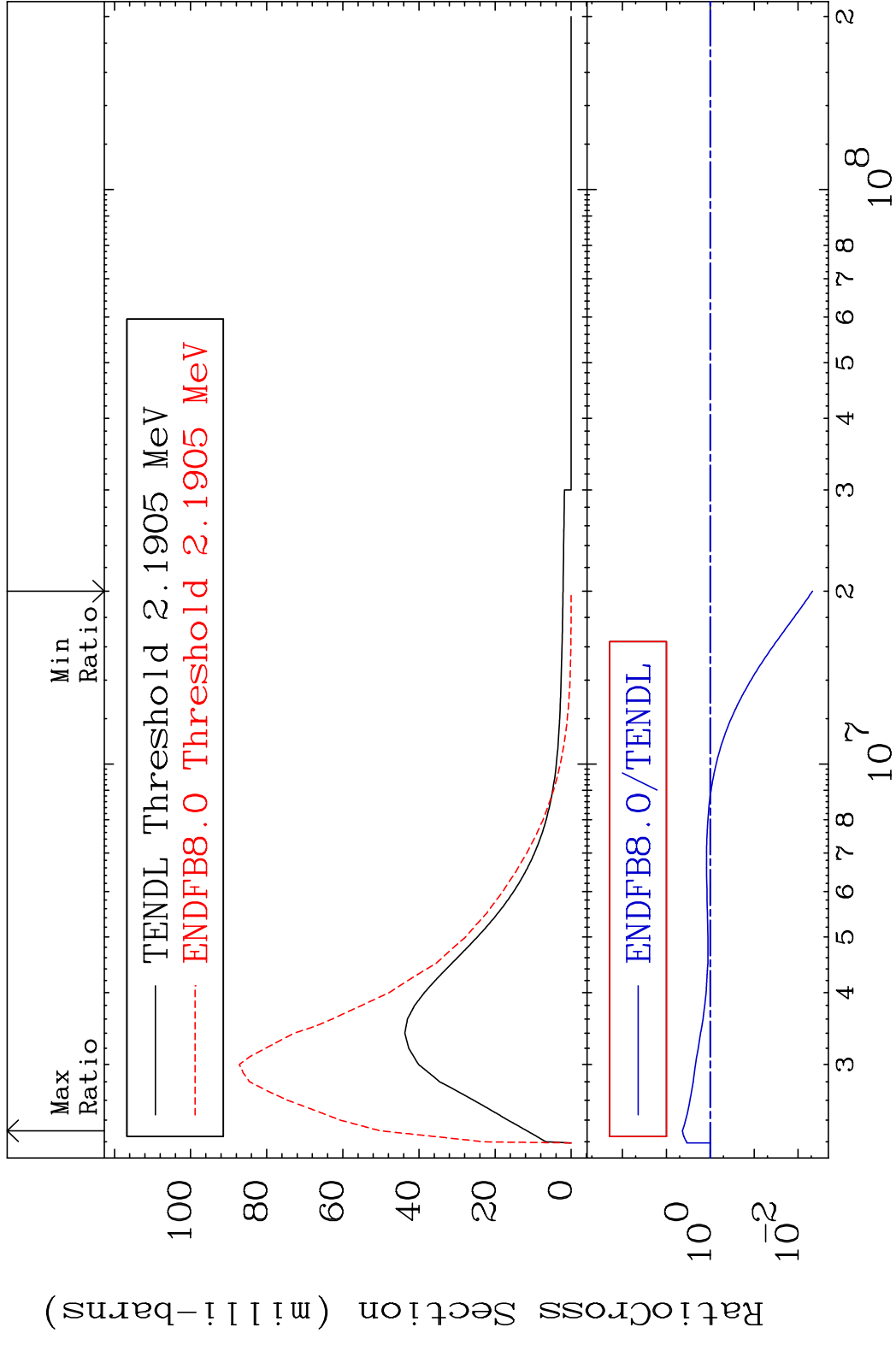
MAT 2725 MT= 58 (n,n') Level 27-Co-59
 Cross Section -22.85 To 874.4 %



MAT 2725 MT= 59 (n, n') Level 27-Co-59
 Cross Section -65.59 To 154.5 %



MAT 2725 MT= 60 (n, n') Level 27-Co-59
 Cross Section -99.53 To 332.1 %

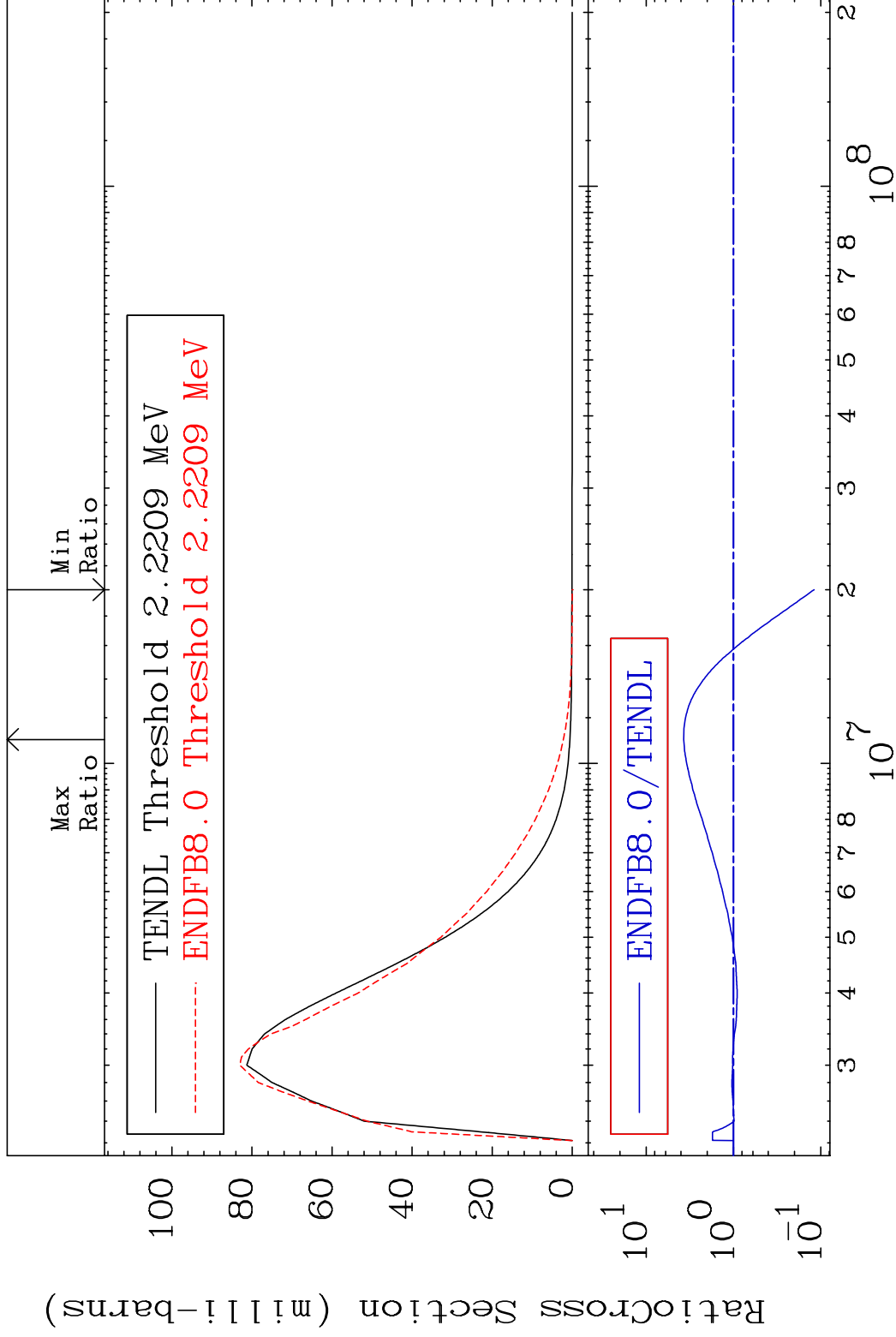


MAT 2725

MT= 61 (n, n') Level

27-Co-59

Cross Section -88.05 To 272.4 %

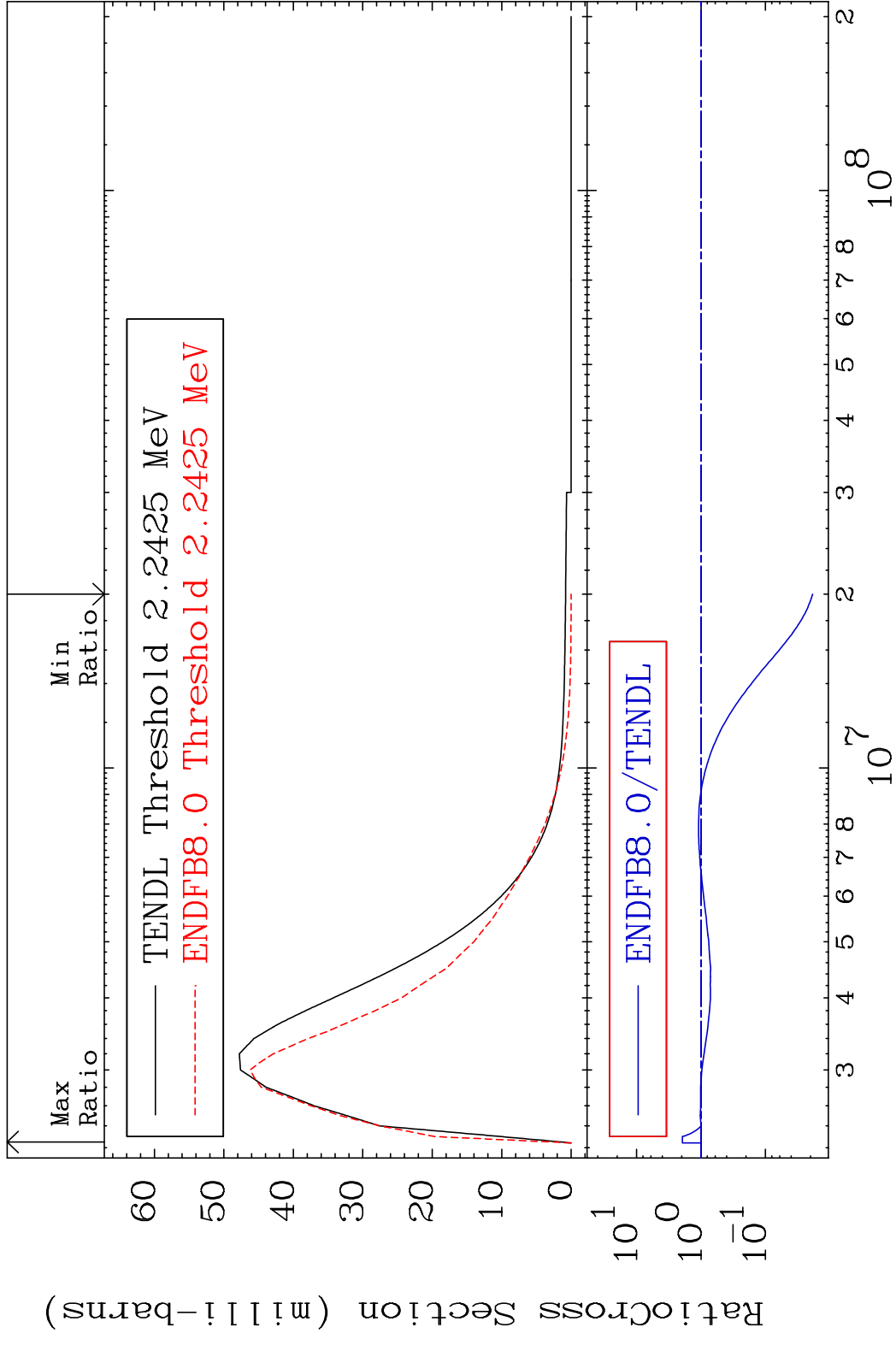


20

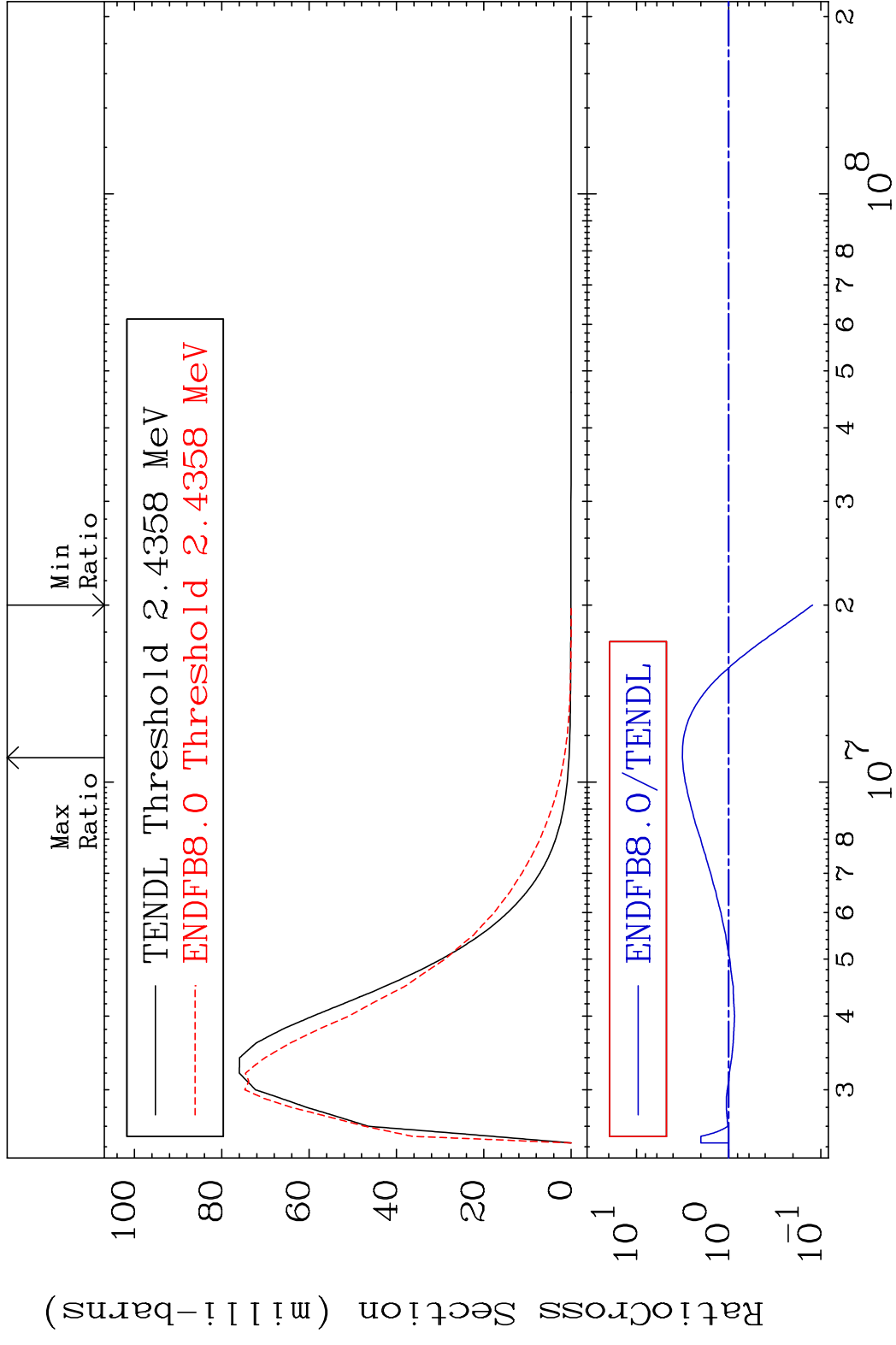
Incident Energy (eV)

27-Co-59

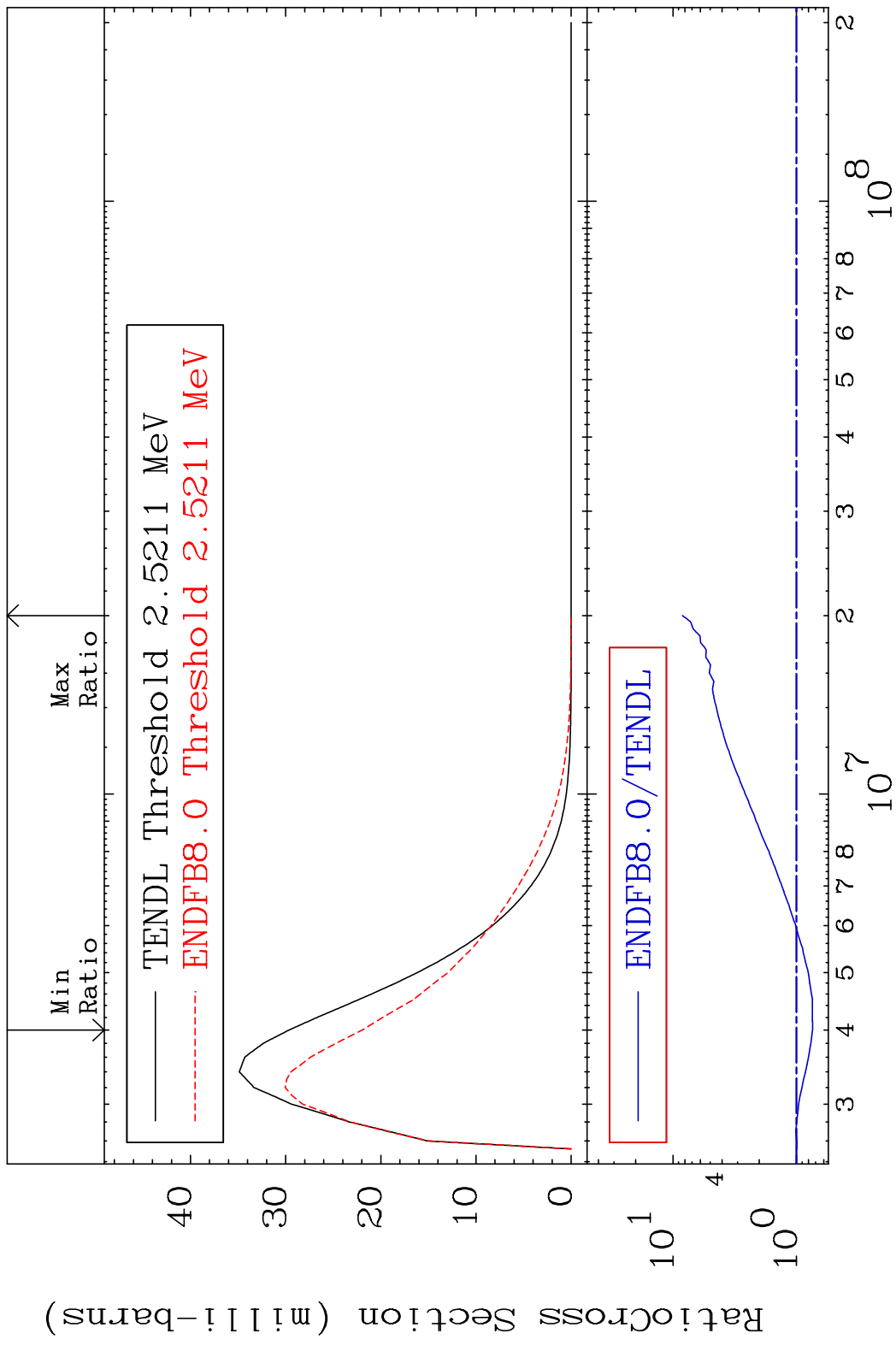
MAT 2725 MT= 62 (n, n') Level 27-Co-59
 Cross Section -98.14 To 94.89 %



MAT 2725 MT= 63 (n, n') Level 27-Co-59
 Cross Section -87.74 To 217.5 %



MAT 2725 MT= 64 (n, n') Level 27-Co-59
 Cross Section -25.95 To 738.9 %

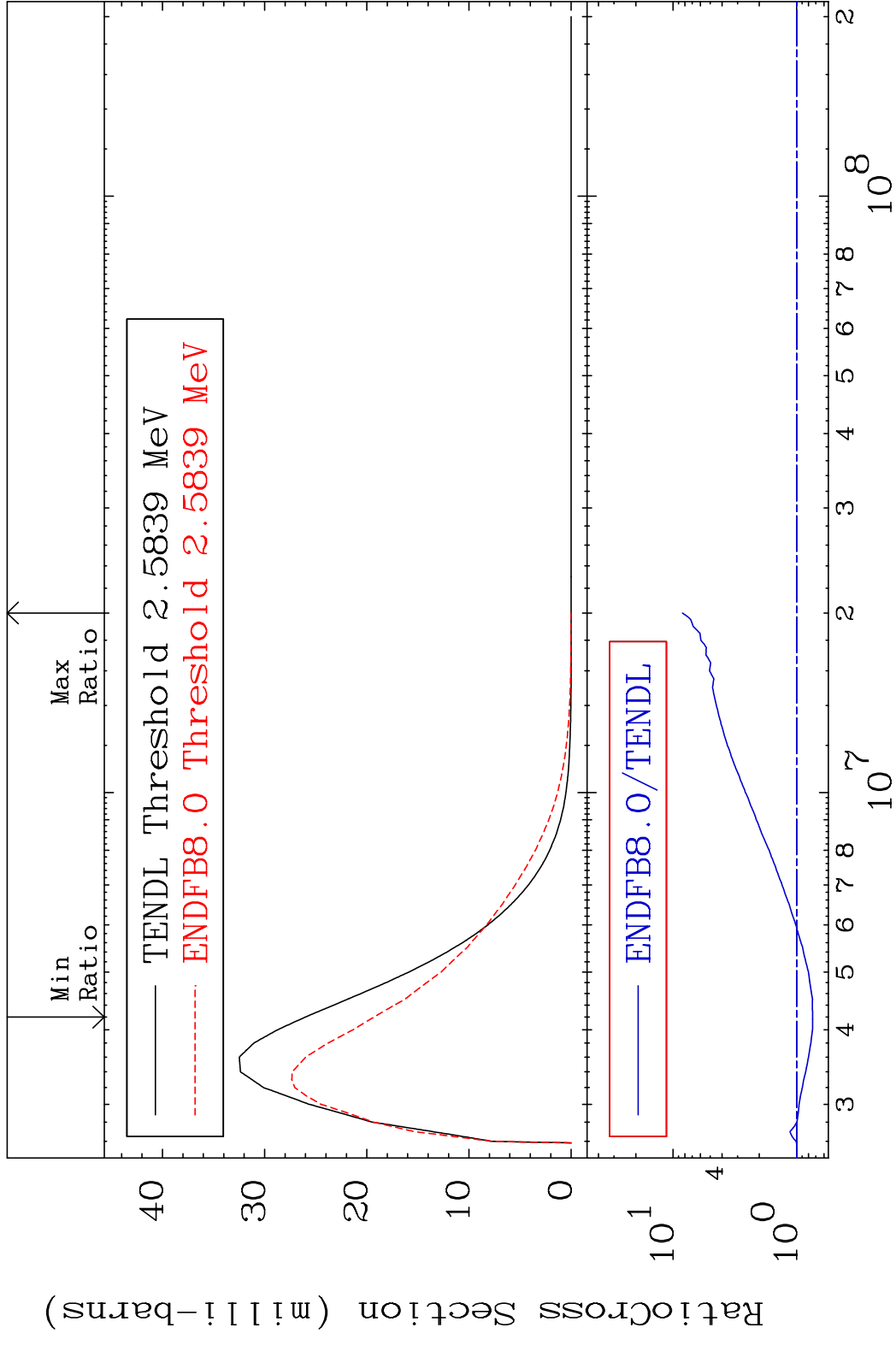


MAT 2725

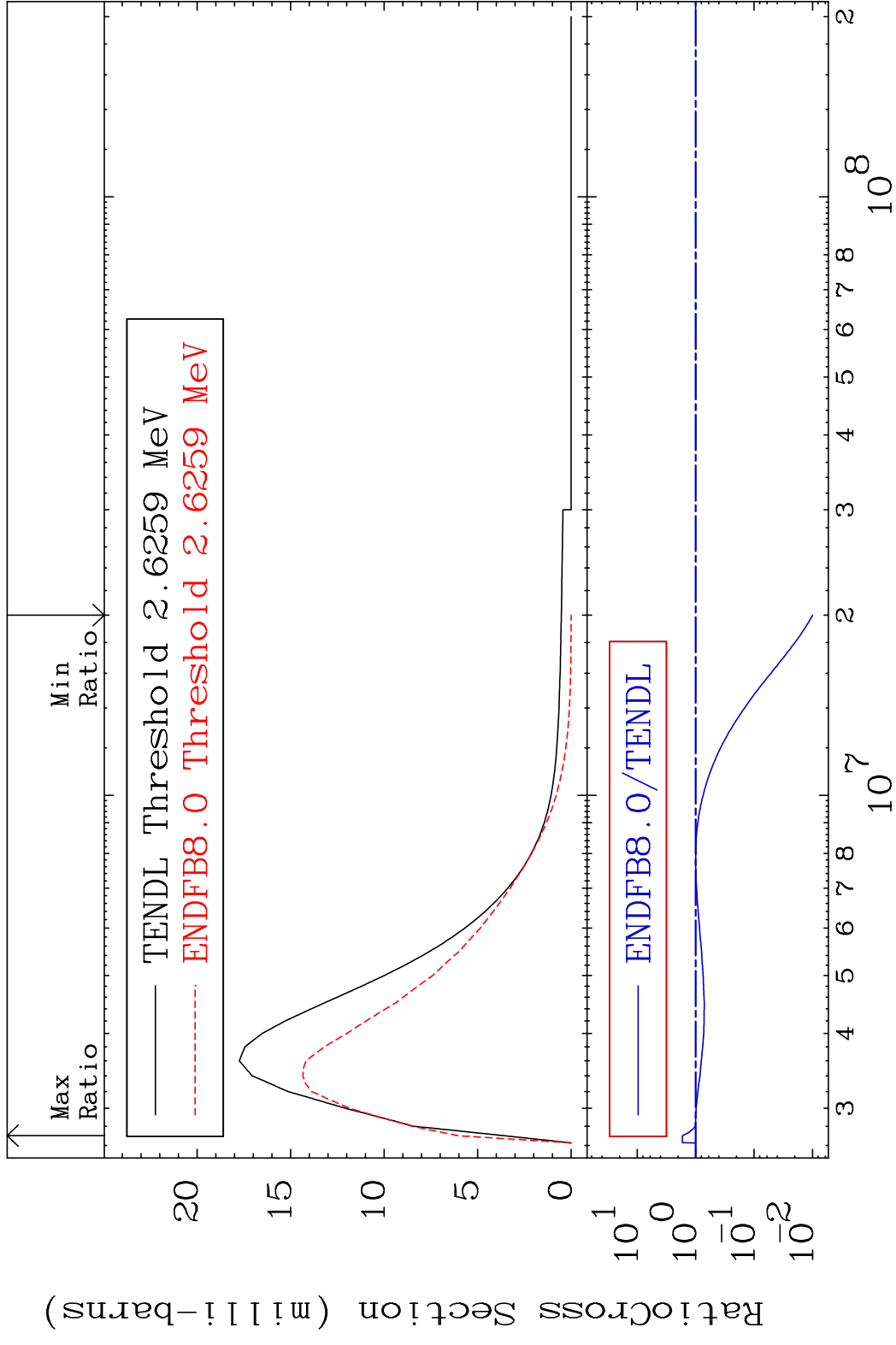
MT= 65 (n, n') Level

27-Co-59

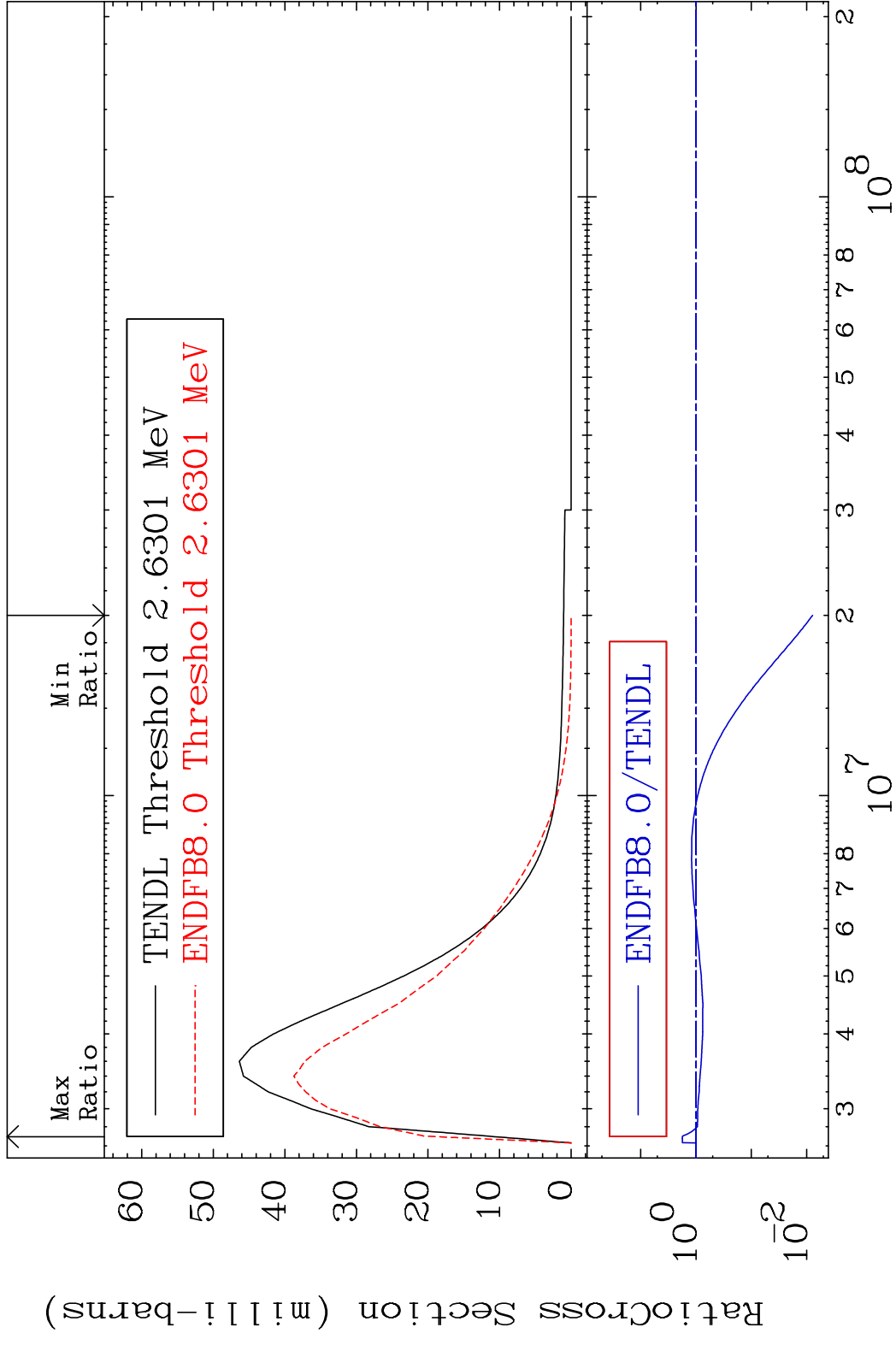
Cross Section -25.77 To 739.6 %



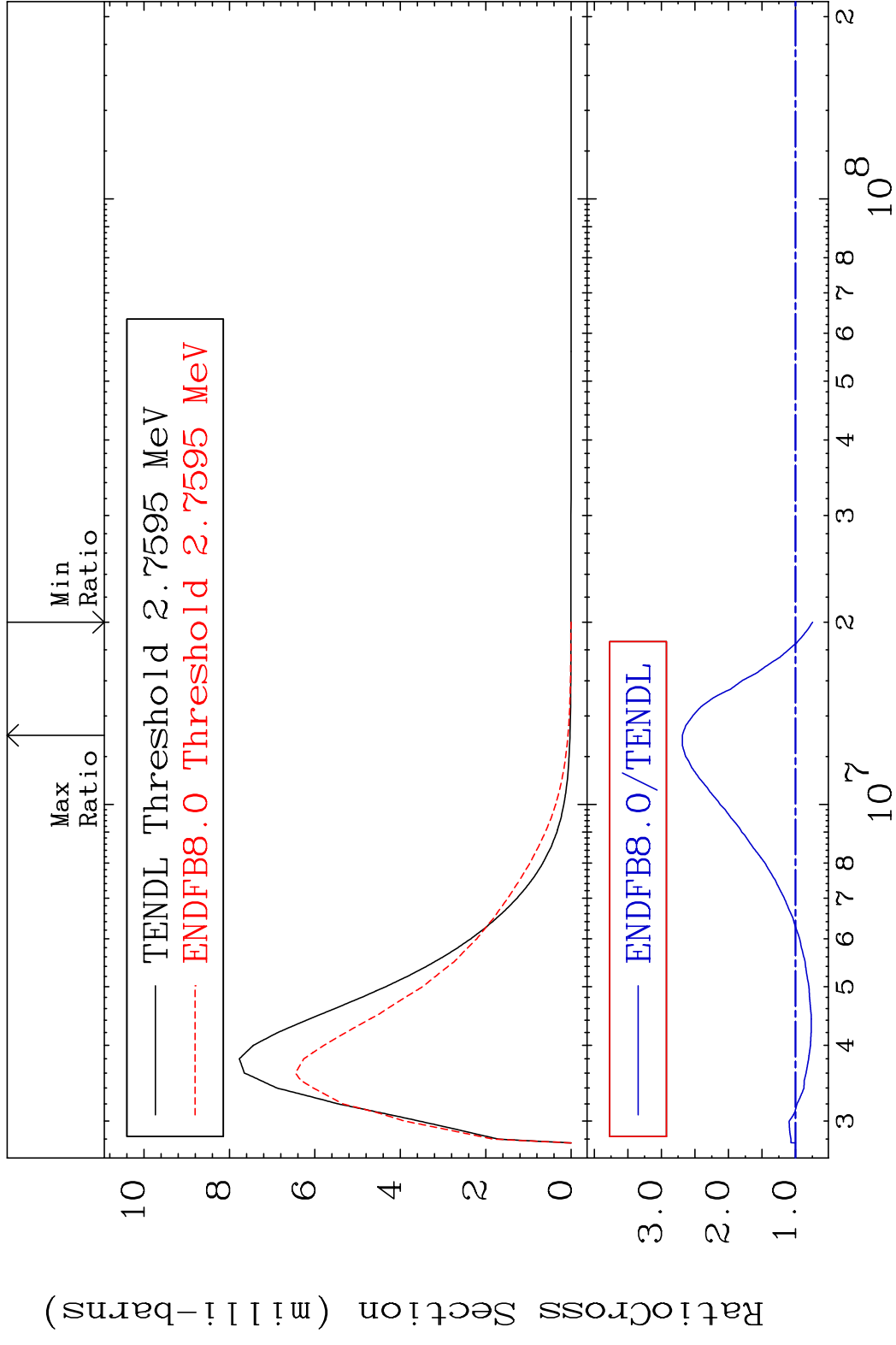
MAT 2725 MT= 66 (n,n') Level 27-Co-59
 Cross Section -99.00 To 68.62 %



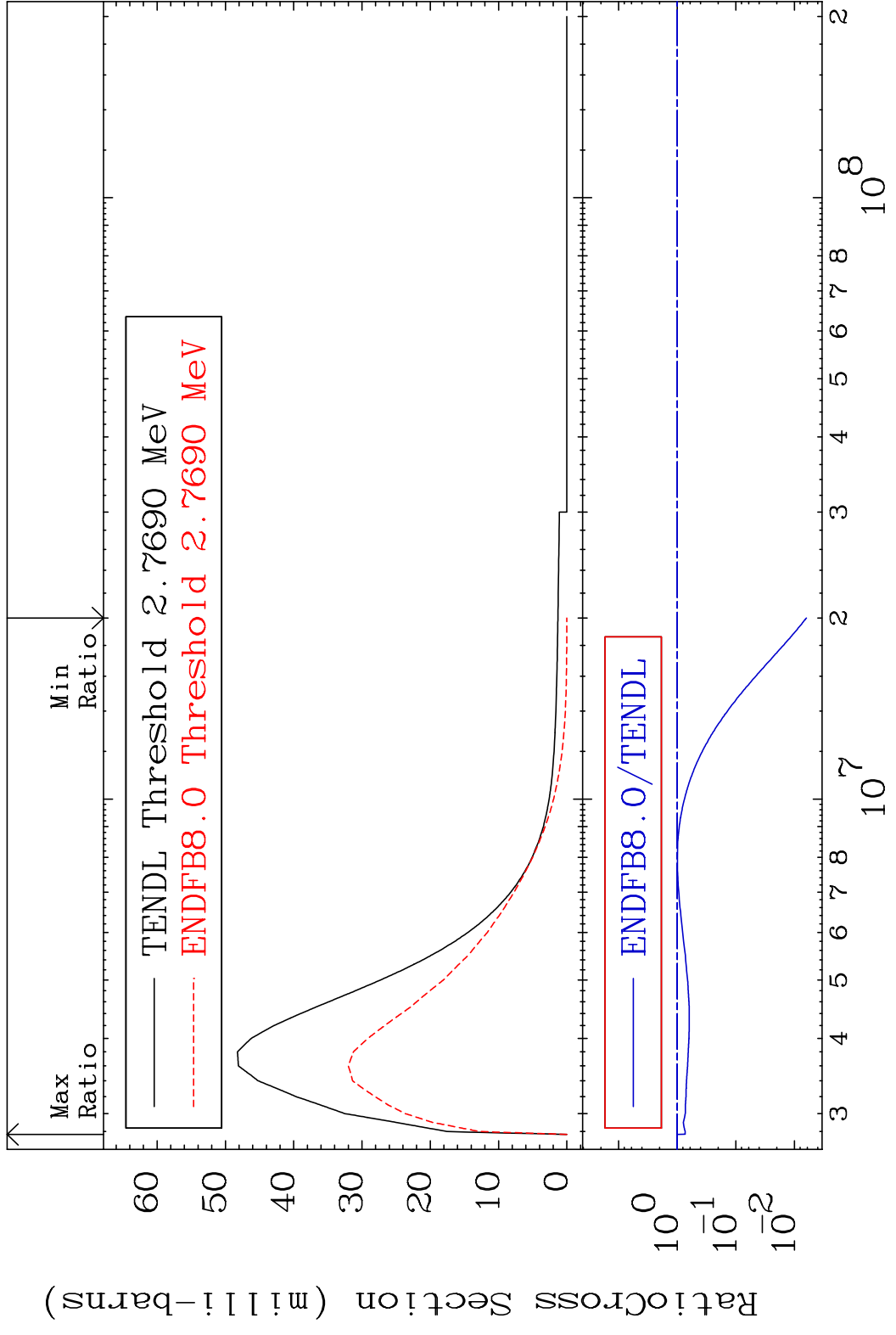
MAT 2725 MT= 67 (n, n') Level 27-Co-59
 Cross Section -99.22 To 76.20 %



MAT 2725 MT= 68 (n, n') Level 27-Co-59
 Cross Section -25.28 To 168.7 %



MAT 2725 MT= 69 (n, n') Level 27-Co-59
 Cross Section -99.37 To 0.000 %

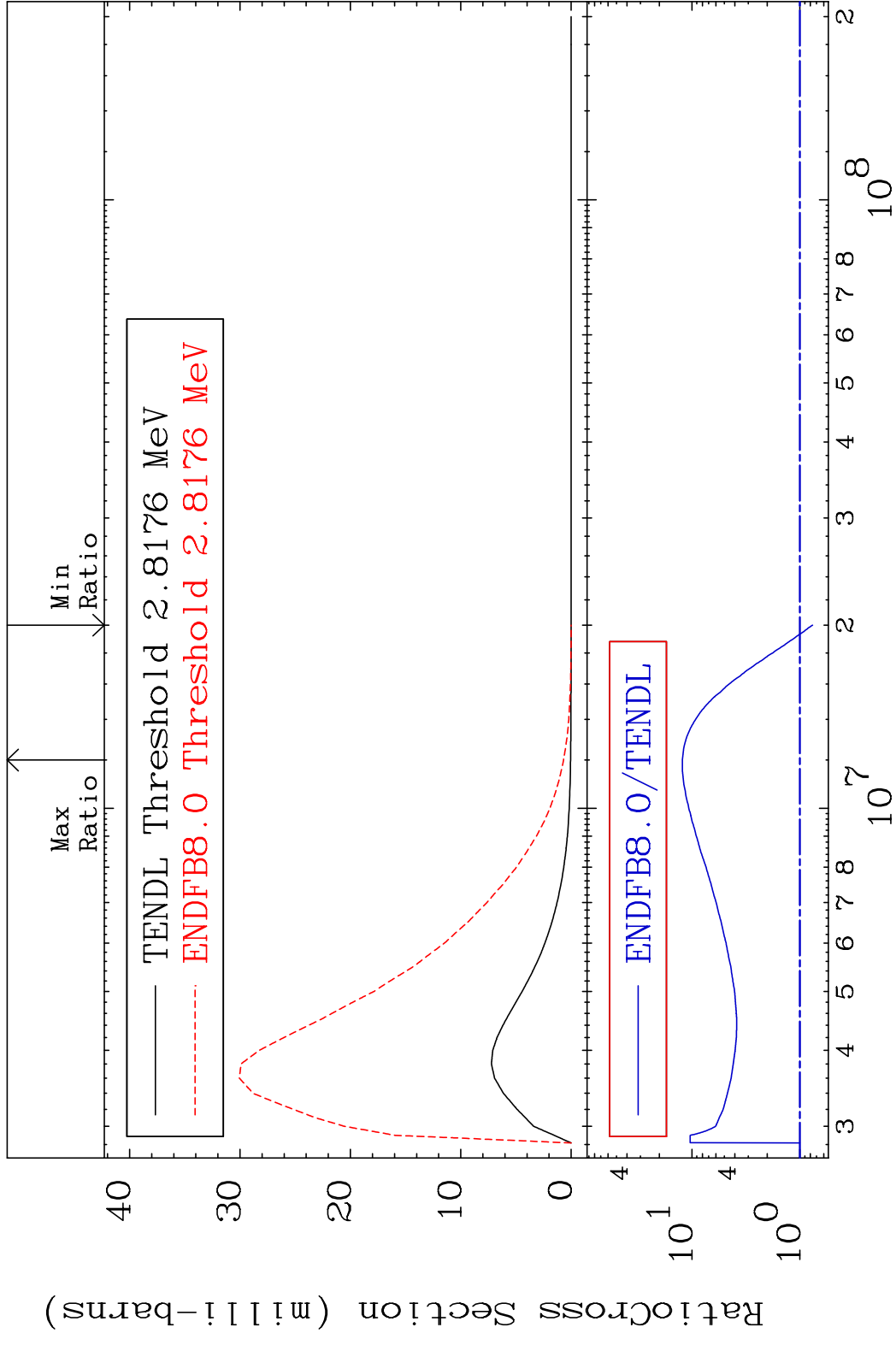


MAT 2725

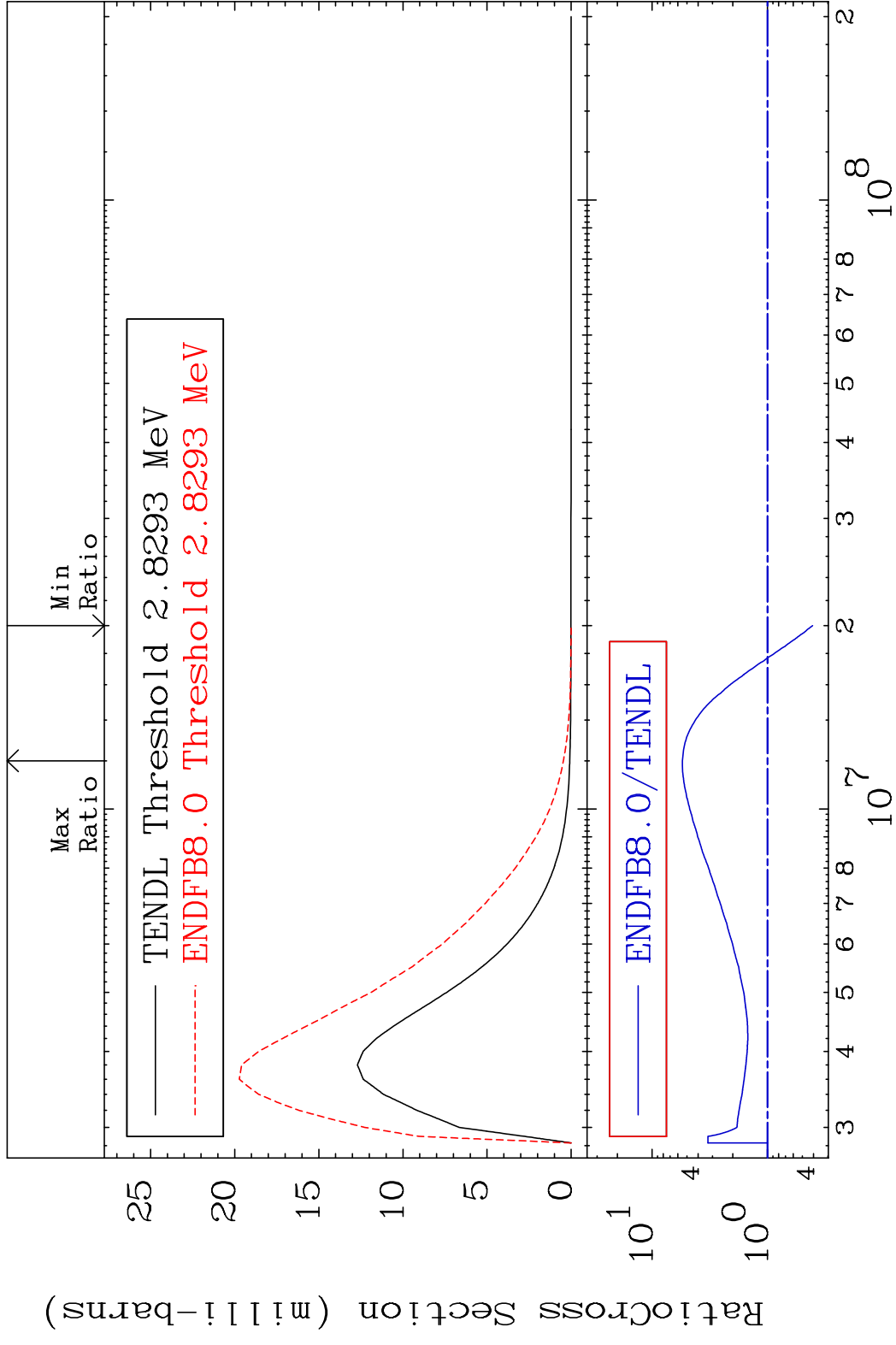
MT= 70 (n, n') Level

27-Co-59

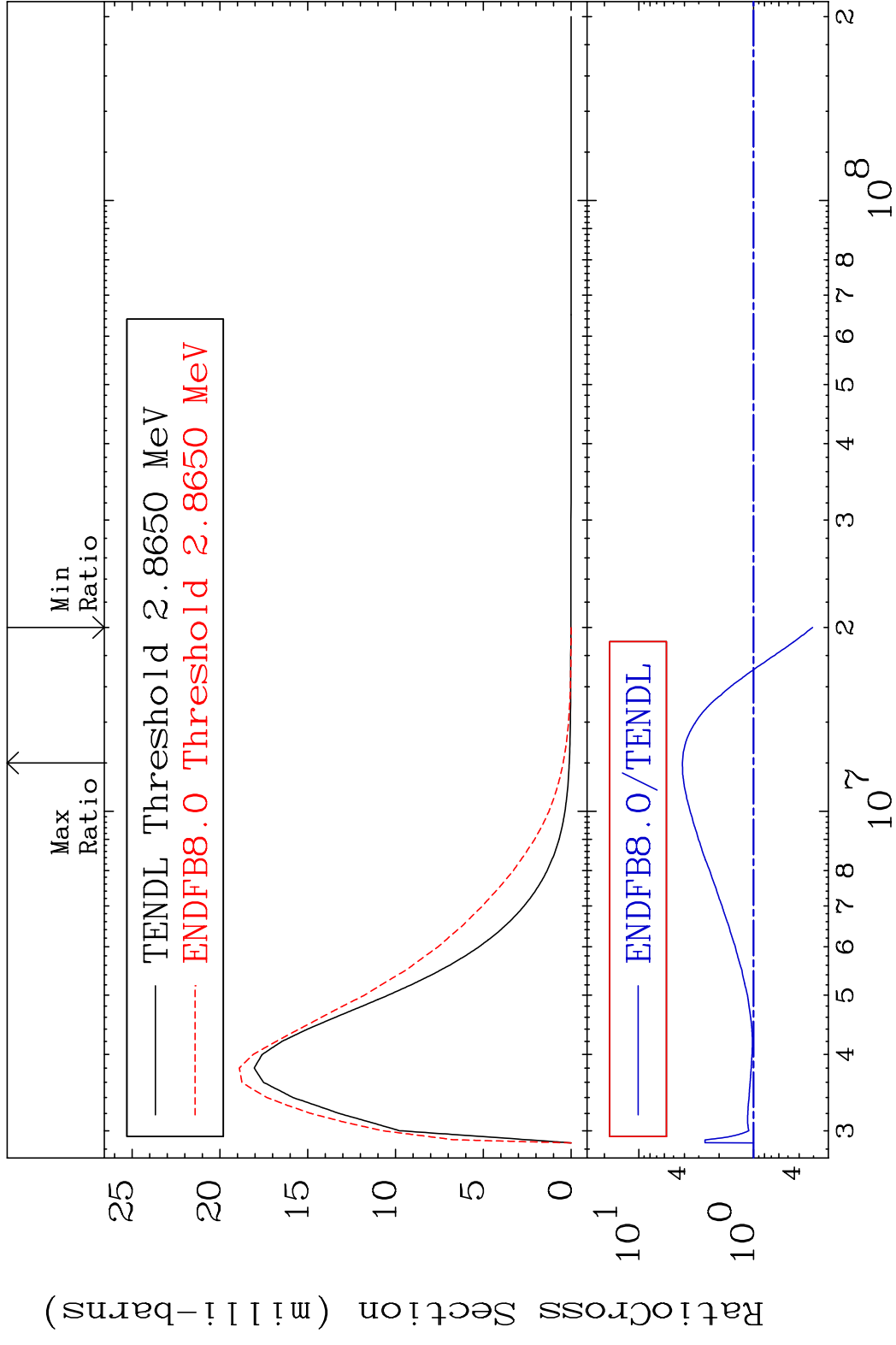
Cross Section -23.81 To 1126. %



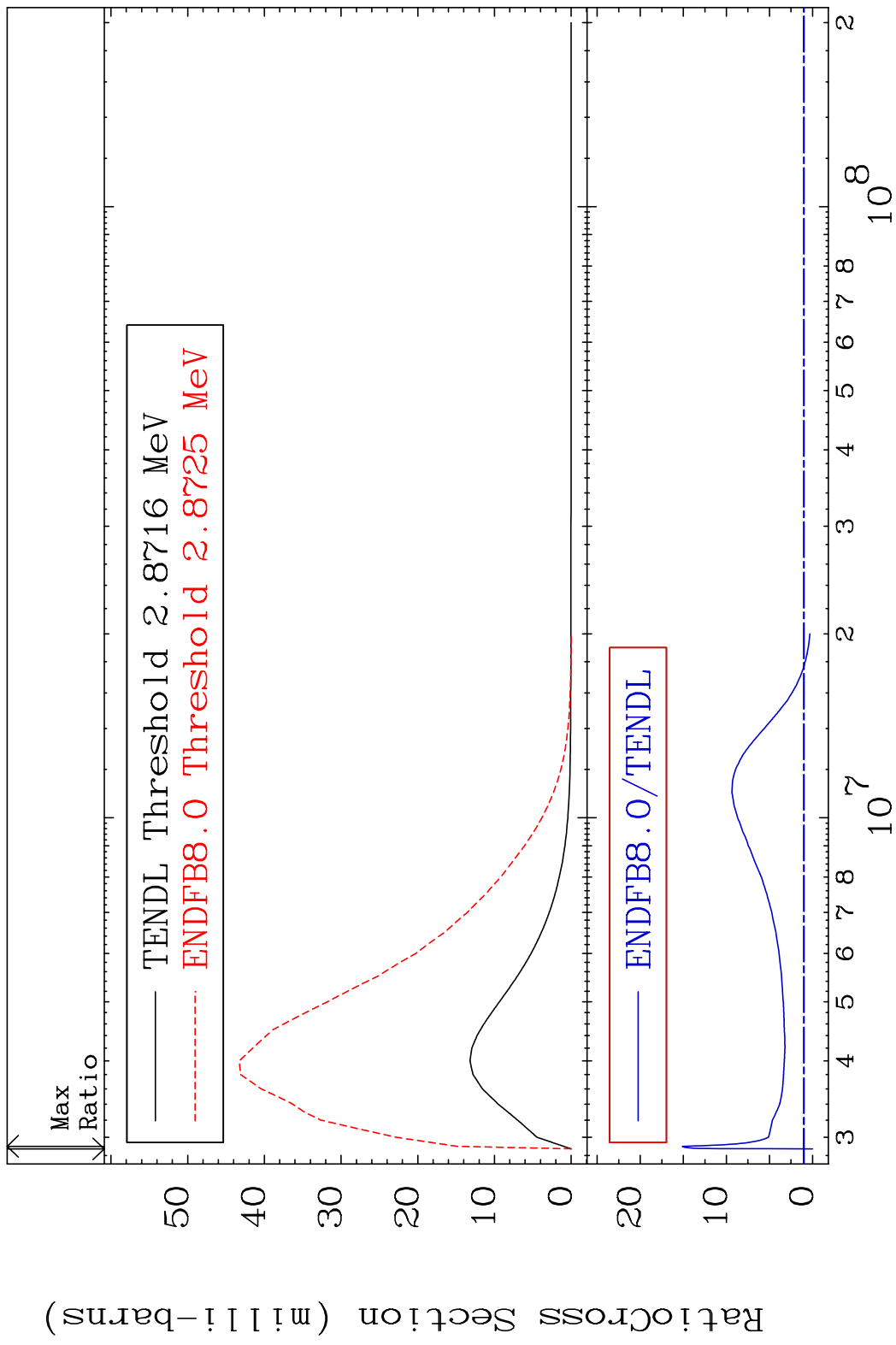
MAT 2725 MT= 71 (n, n') Level 27-Co-59
 Cross Section -59.26 To 447.4 %



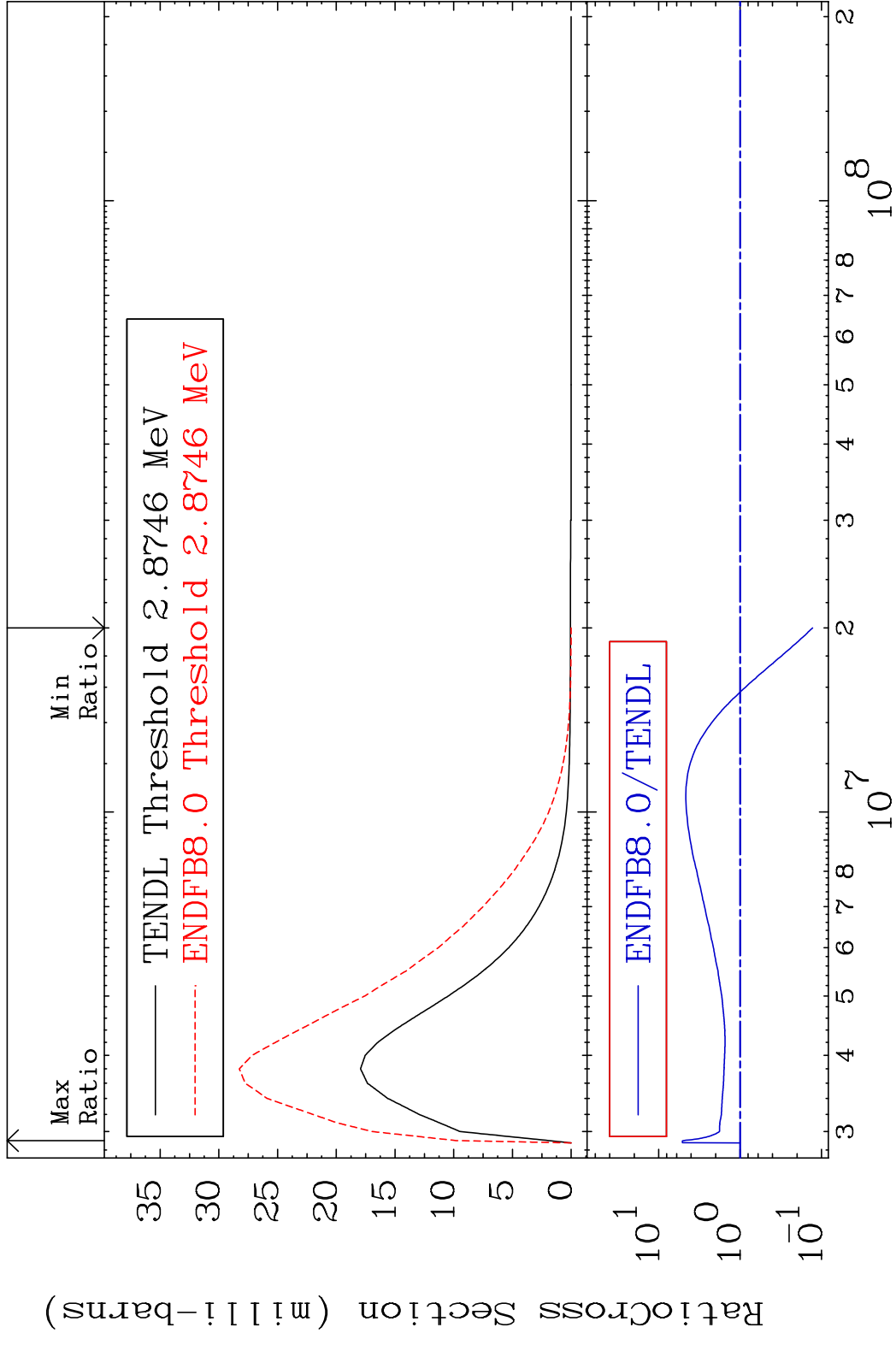
MAT 2725 MT= 72 (n, n') Level 27-Co-59
 Cross Section -69.48 To 317.6 %



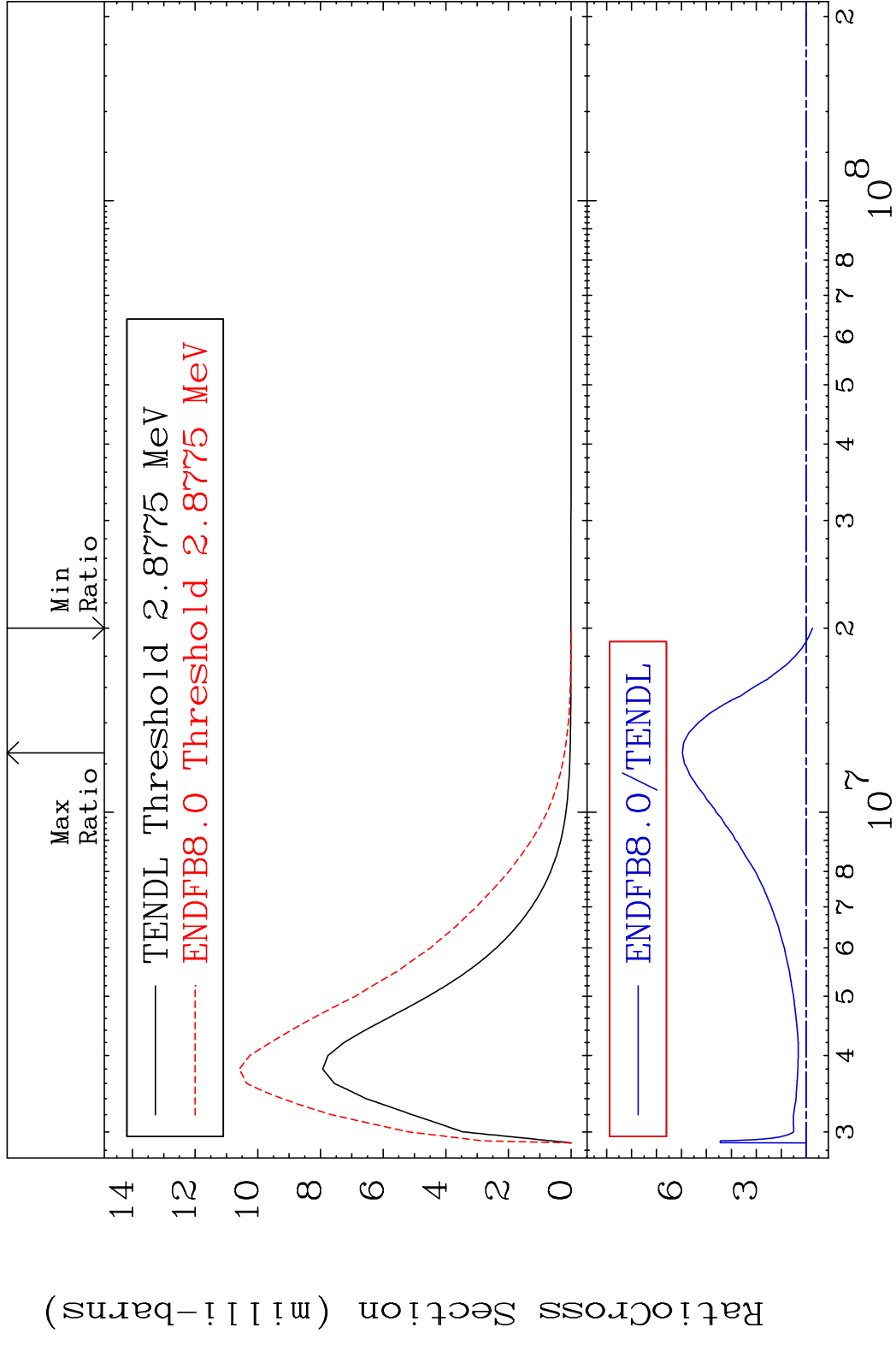
MAT 2725 MT= 73 (n,n') Level 27-Co-59
 Cross Section -100.0 To 1411. %



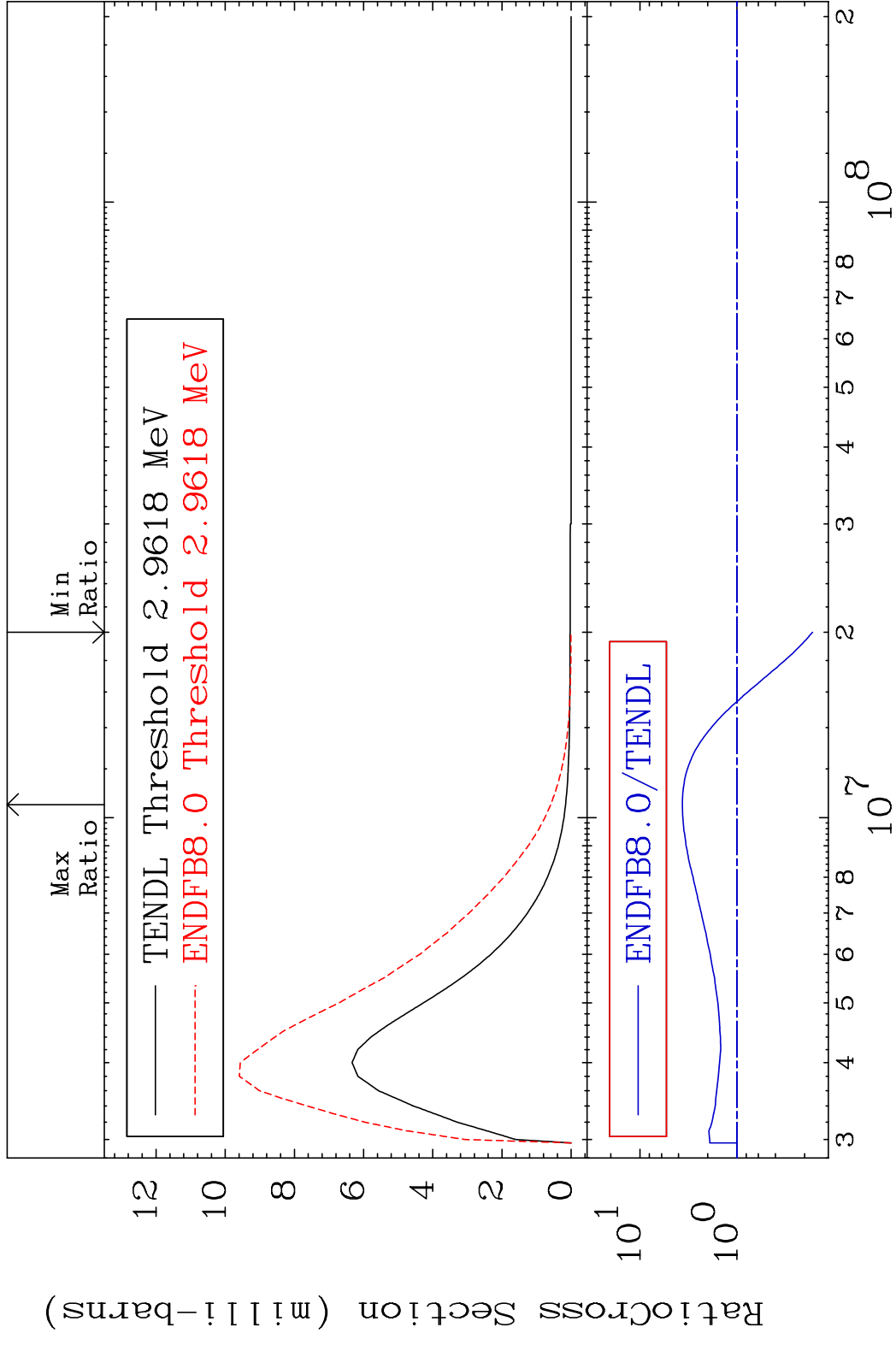
MAT 2725 MT= 74 (n,n') Level 27-Co-59
 Cross Section -87.12 To 412.1 %



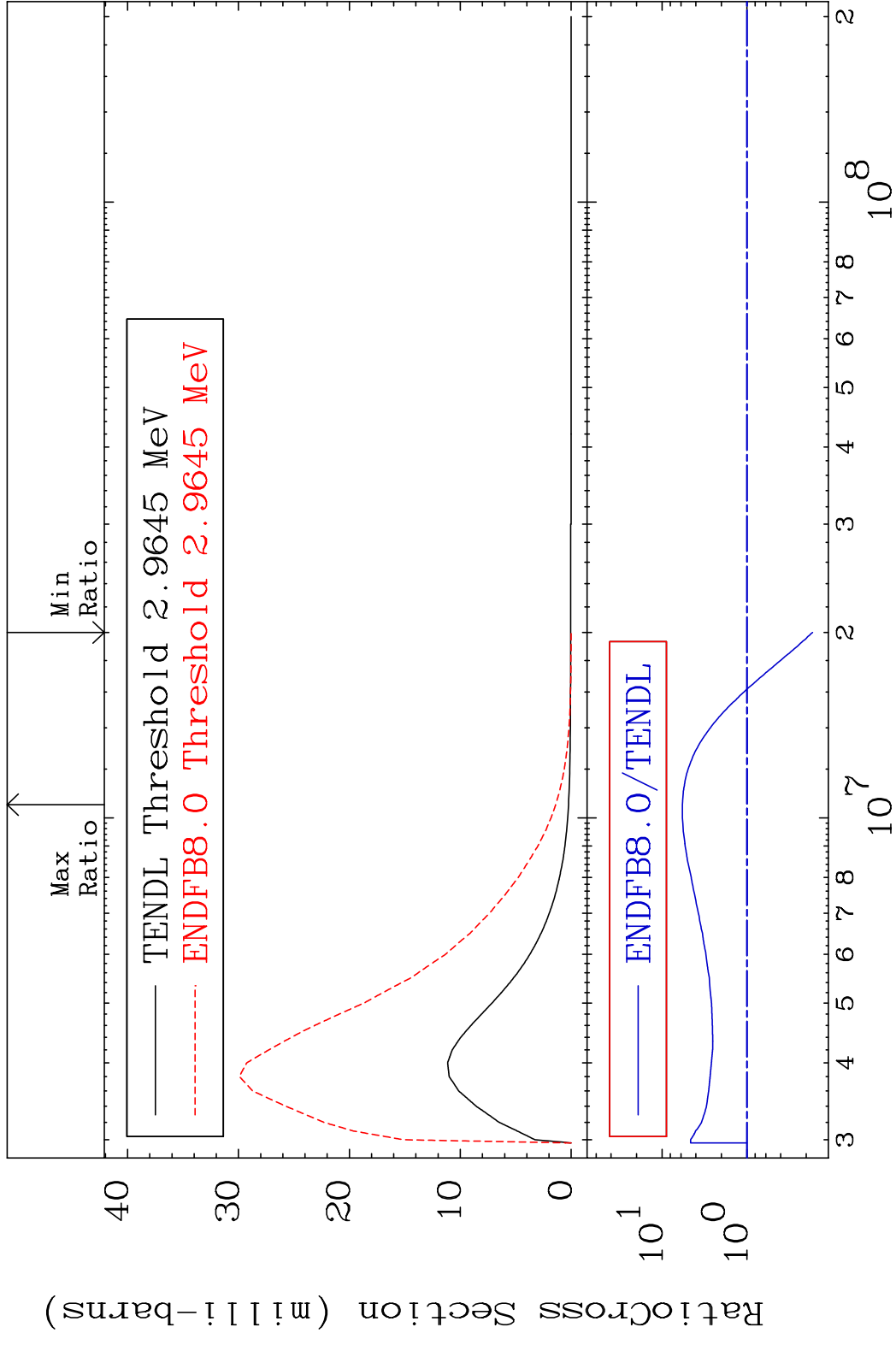
MAT 2725 MT= 75 (n, n') Level 27-Co-59
 Cross Section -25.25 To 496.4 %



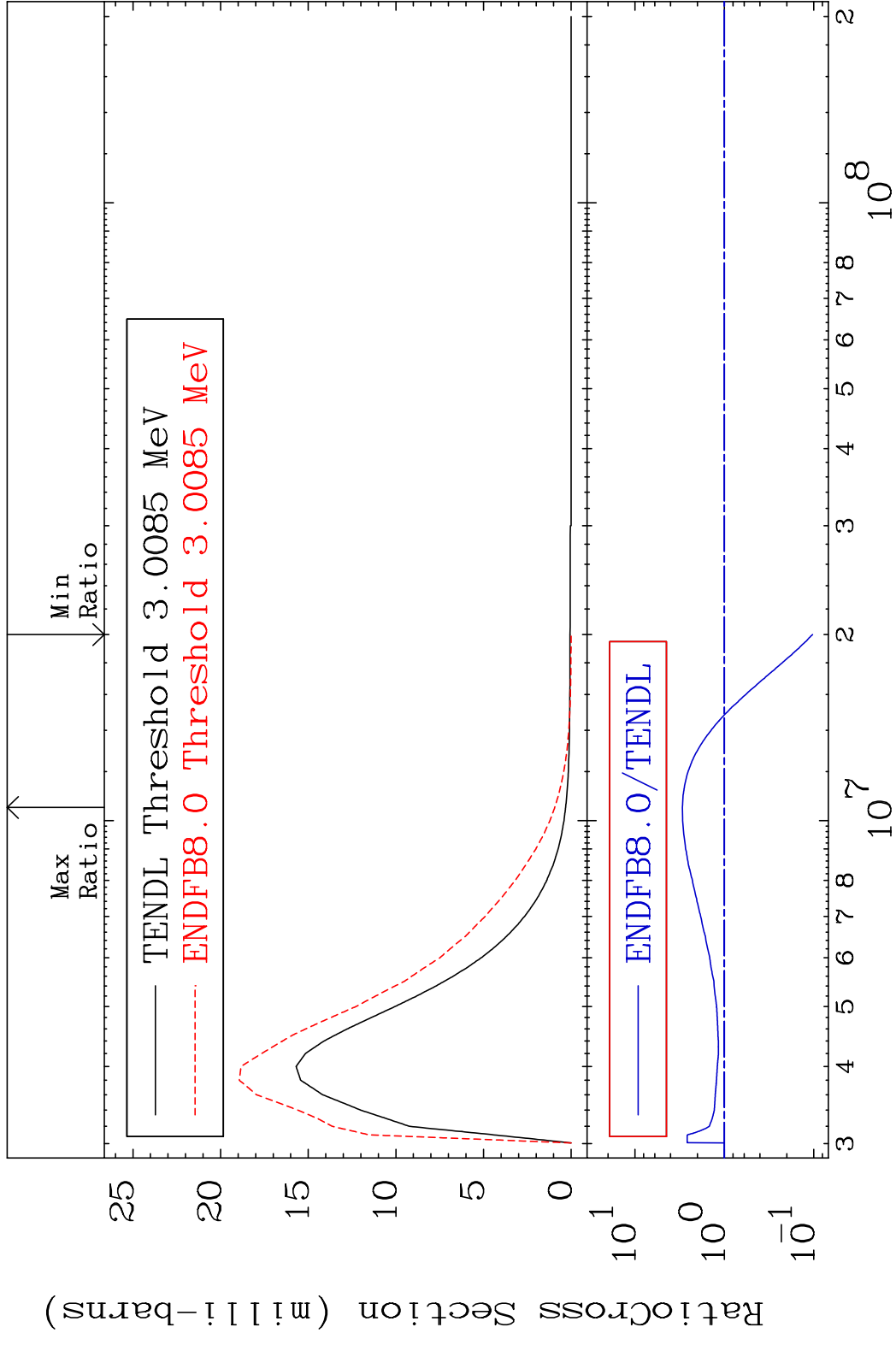
MAT 2725 MT= 76 (n, n') Level 27-Co-59
 Cross Section -83.44 To 265.7 %



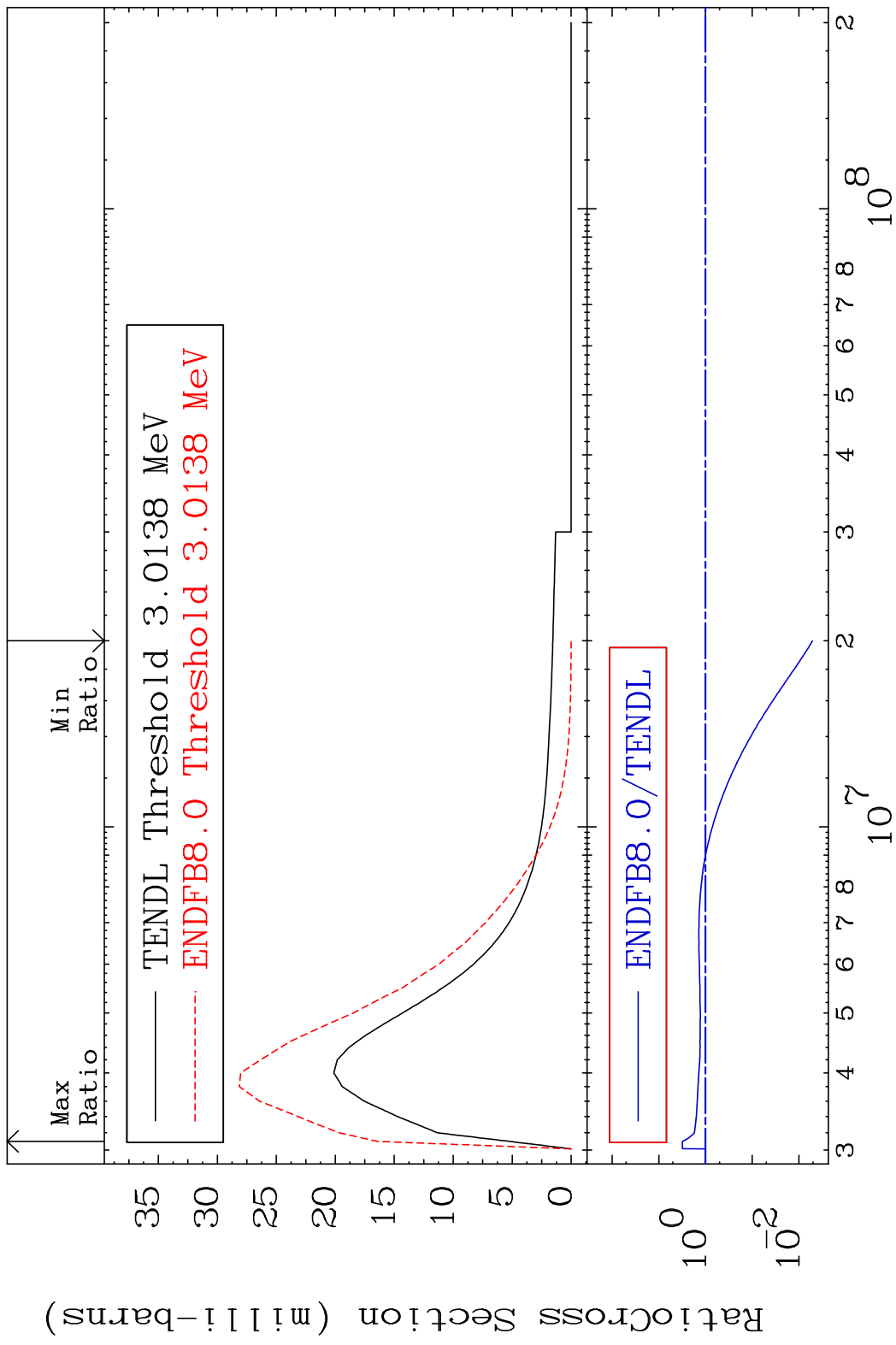
MAT 2725 MT= 77 (n, n') Level 27-Co-59
 Cross Section -83.15 To 477.8 %



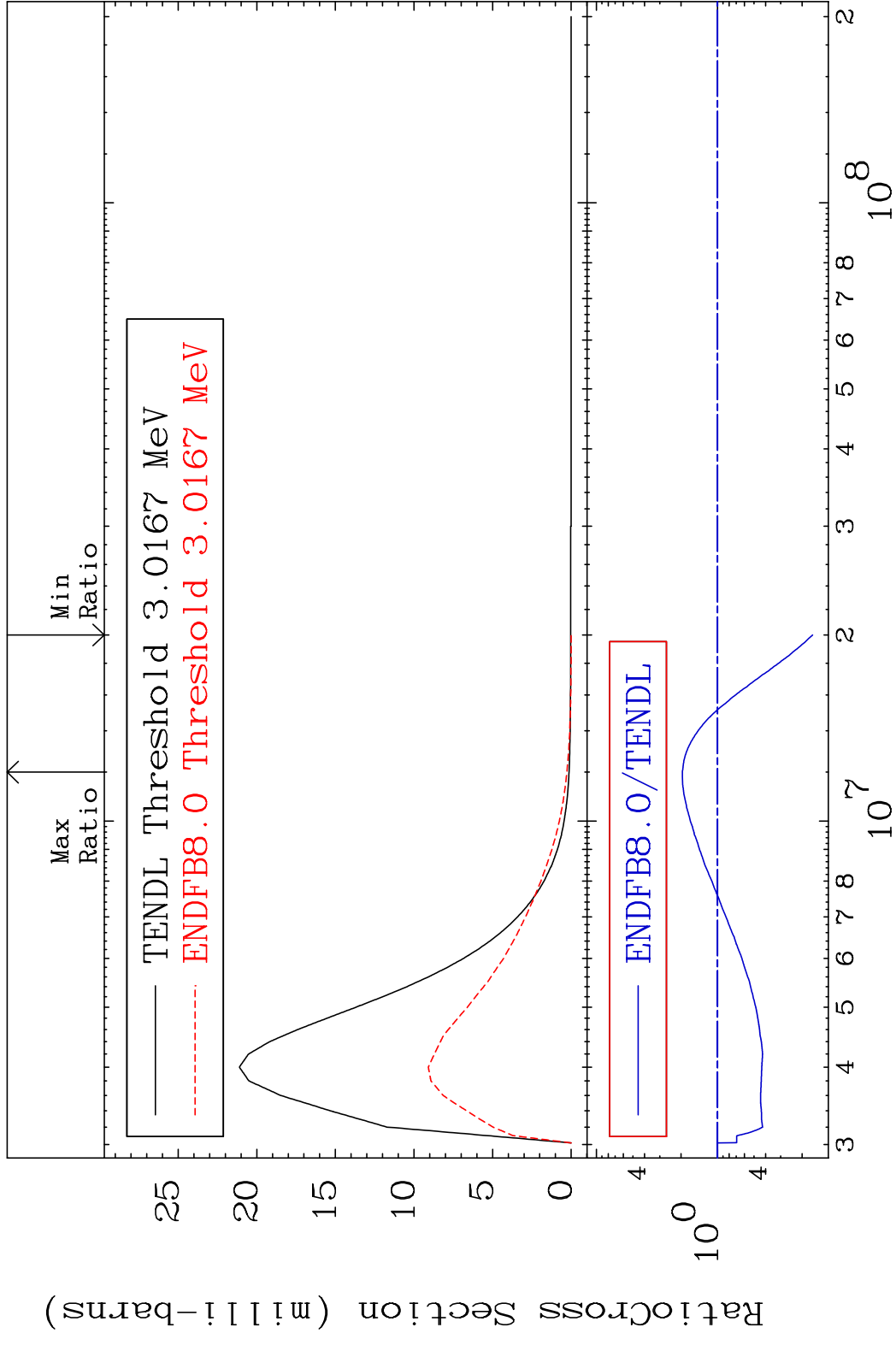
MAT 2725 MT= 78 (n, n') Level 27-Co-59
 Cross Section -89.69 To 195.5 %



MAT 2725 MT= 79 (n, n') Level 27-Co-59
 Cross Section -99.49 To 213.5 %



MAT 2725 MT= 80 (n, n') Level 27-Co-59
 Cross Section -83.61 To 95.10 %

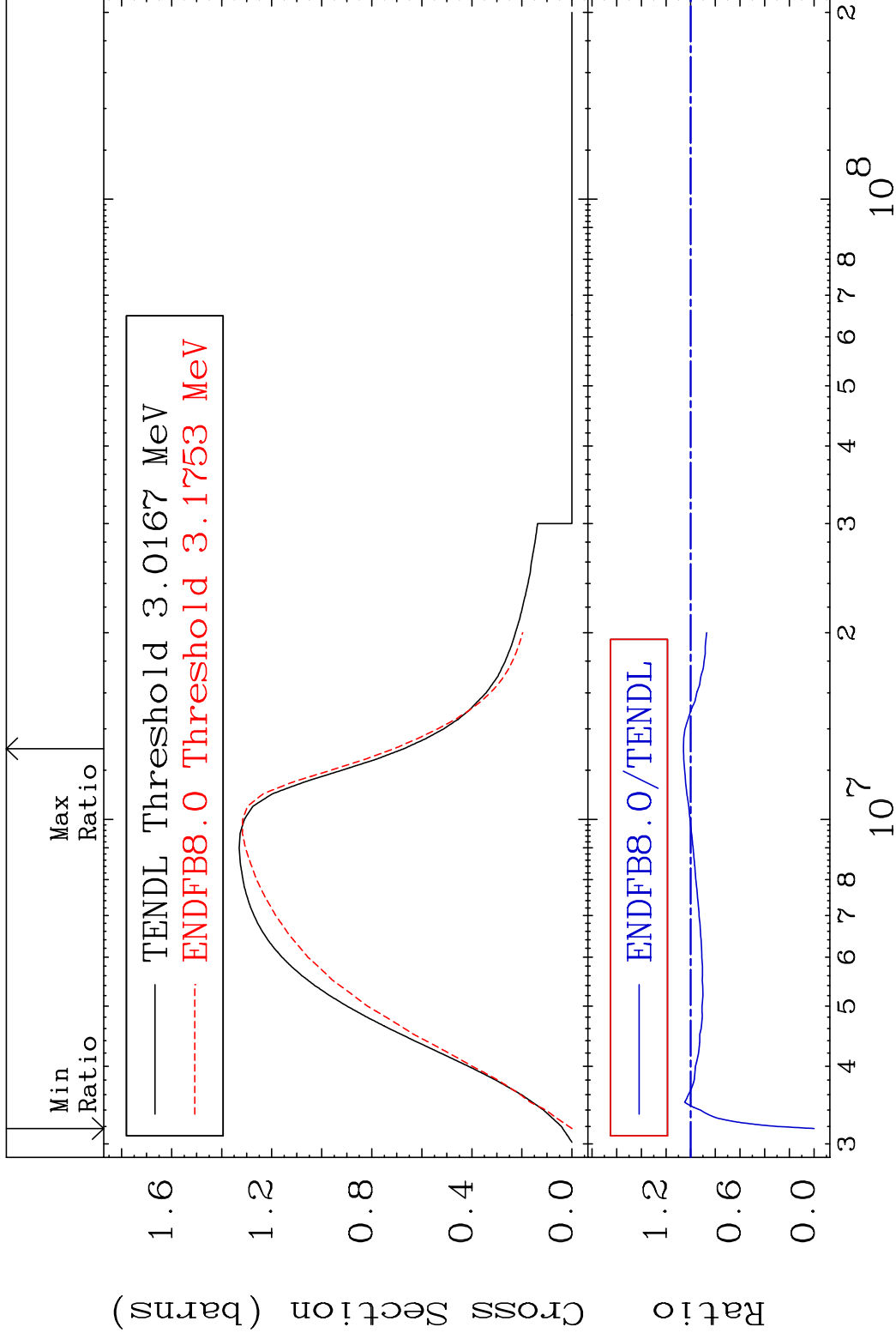


MAT 2725

(n,n') Continuum

27-Co-59

Cross Section -100.0 To 5.866 %



40

Incident Energy (eV)

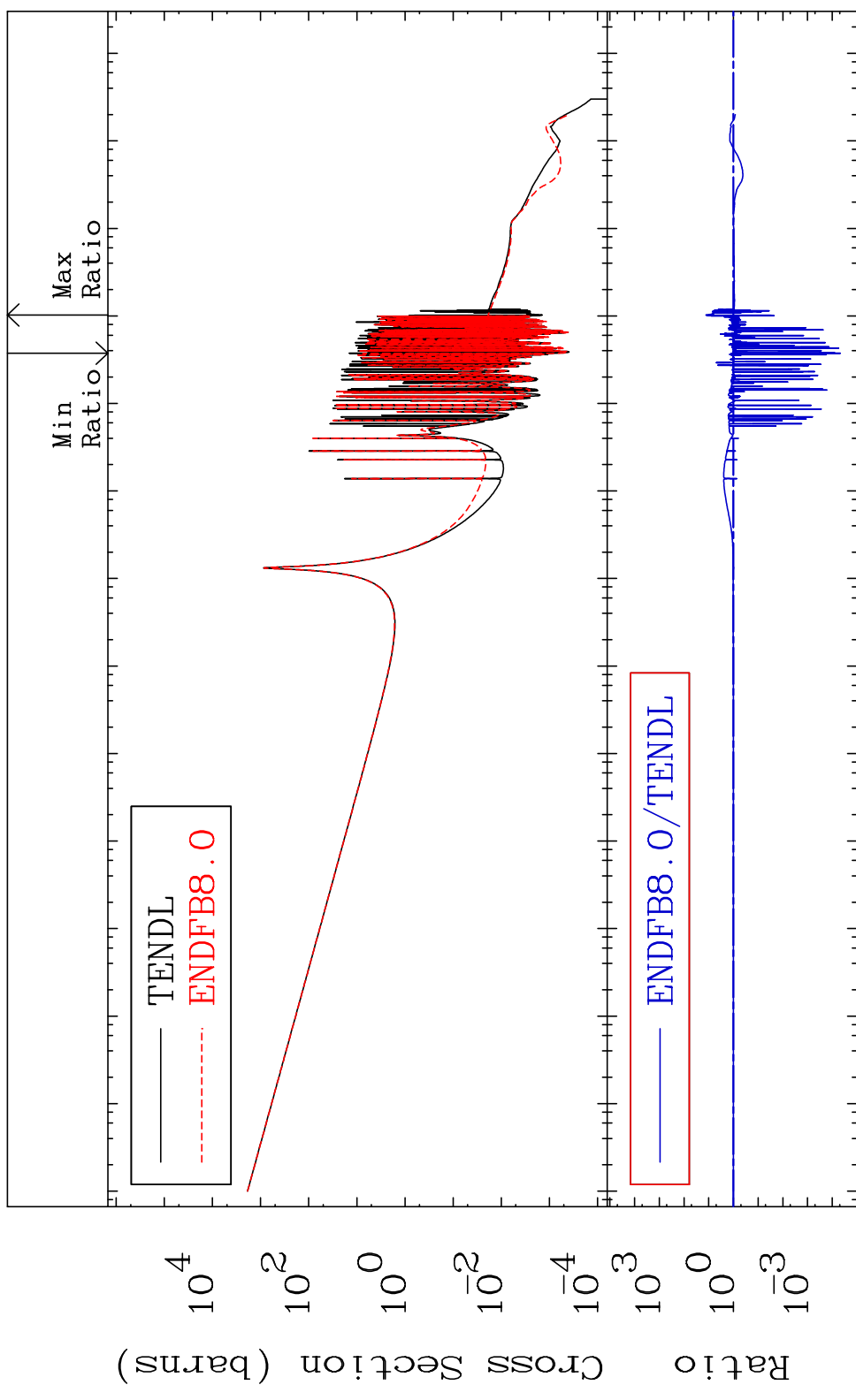
27-Co-59

MAT 2725

(n, γ)

27-Co-59

Cross Section -100.0 To 1217. %



Ratio

10⁴

10²

10⁰

10⁻²

10⁻⁴

10⁻³

10³

10⁰

10⁻³

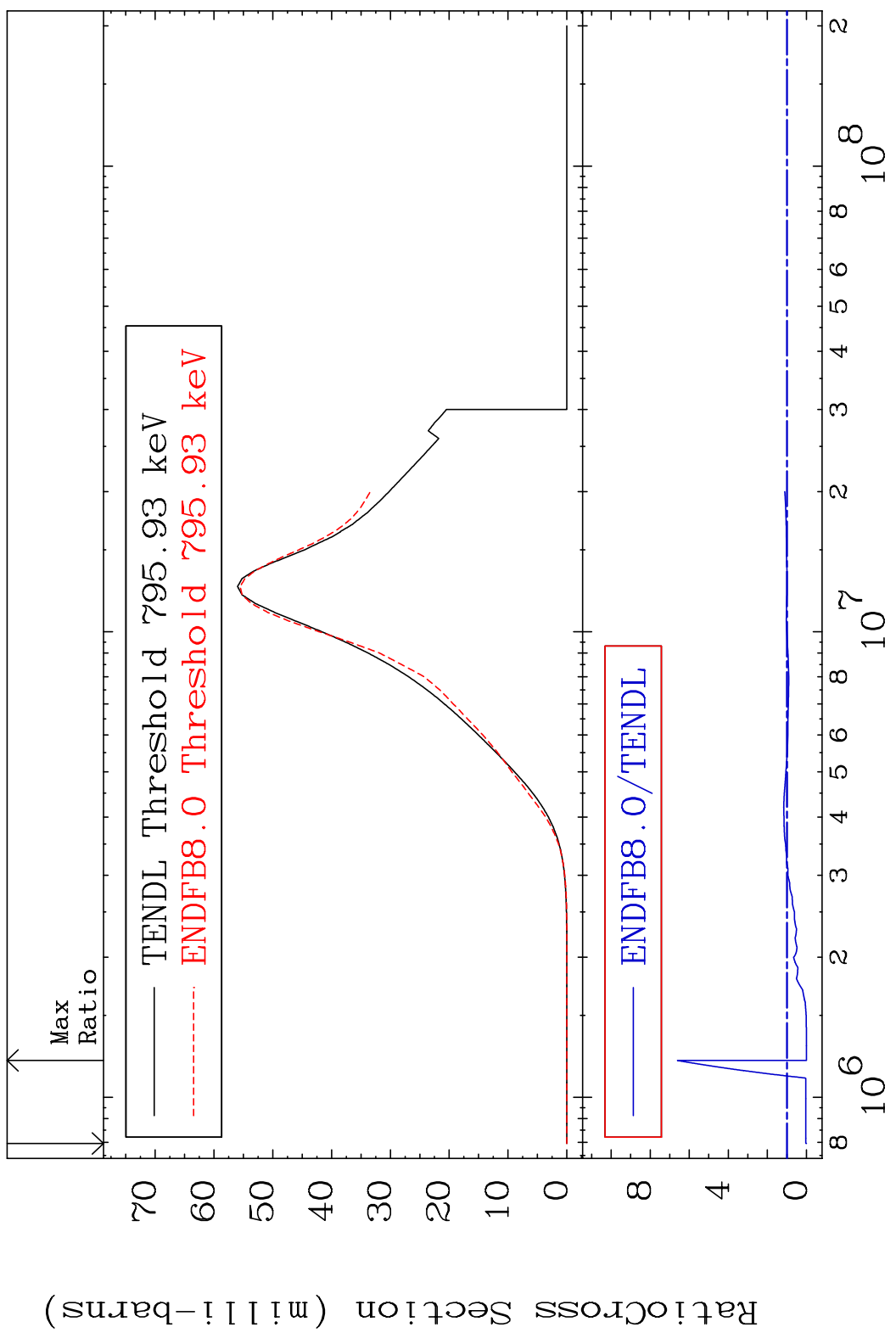
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 2725

(n,p)

27-Co-59

Cross Section -100.0 To 561.8 %

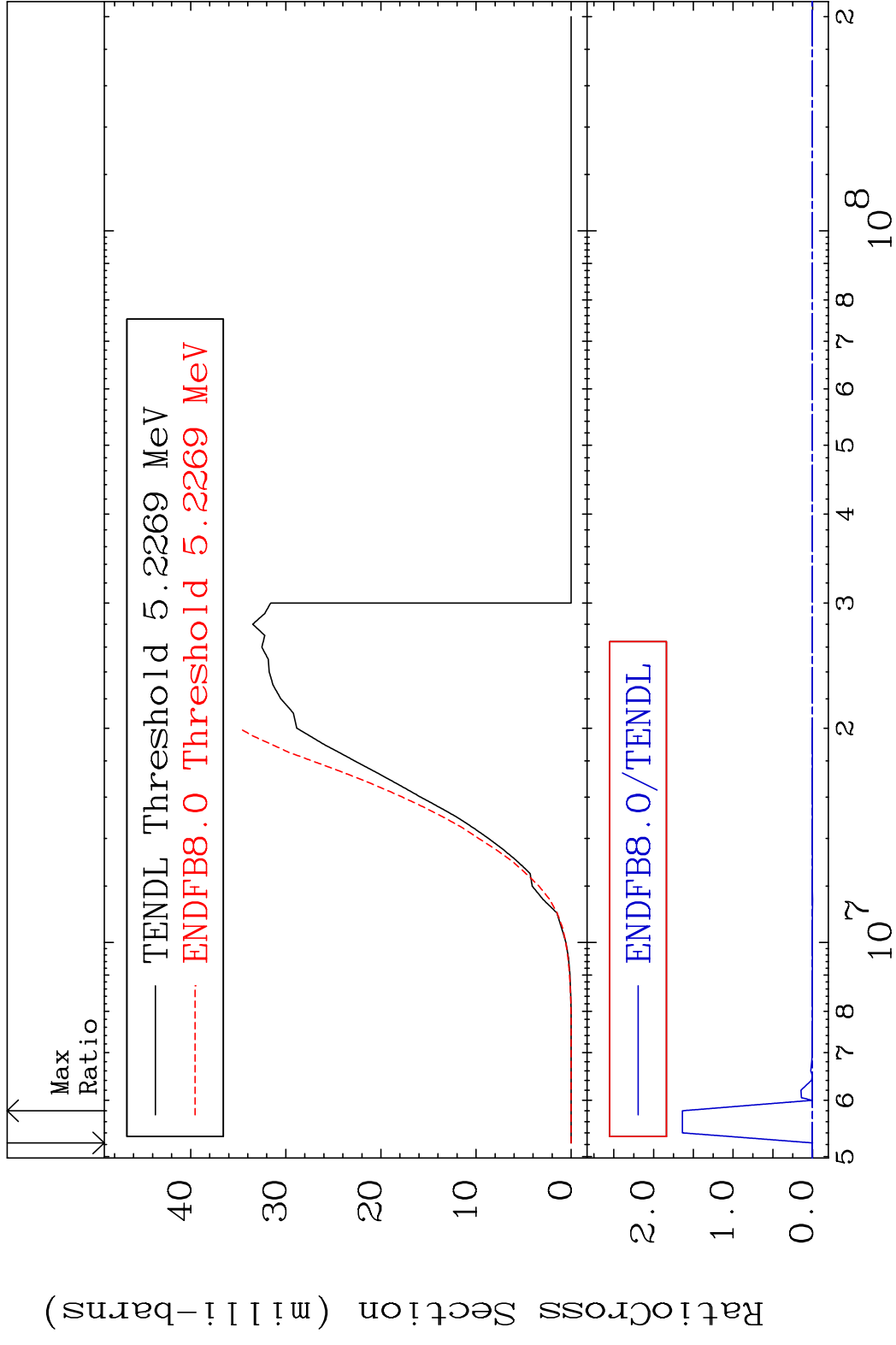


42

Incident Energy (eV)

27-Co-59

MAT 2725 (n,d) 27-Co-59
 Cross Section -100.0 To 9999. %

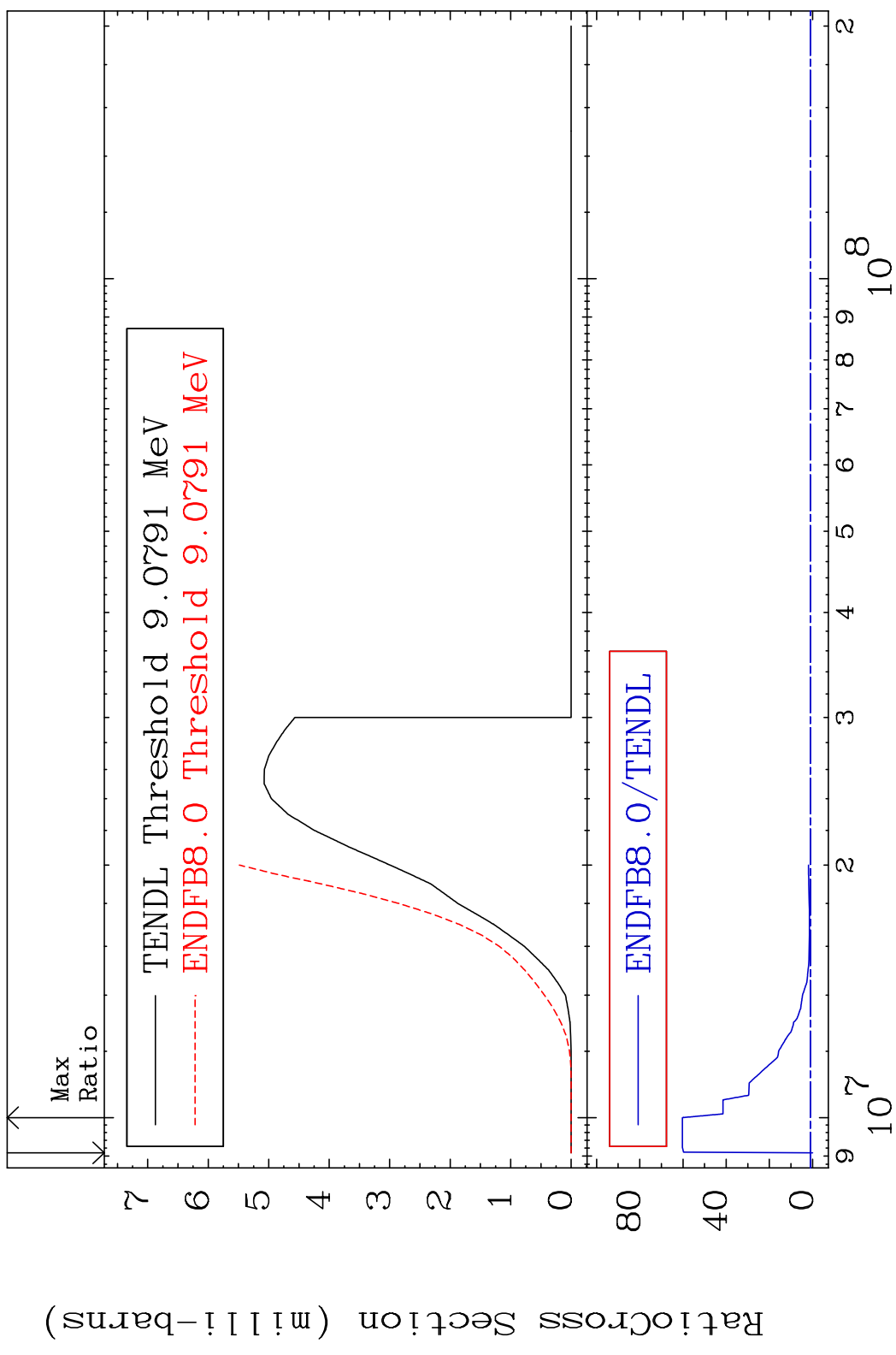


MAT 2725

(n, t)

27-Co-59

Cross Section -100.0 To 5929. %



44

Incident Energy (eV)

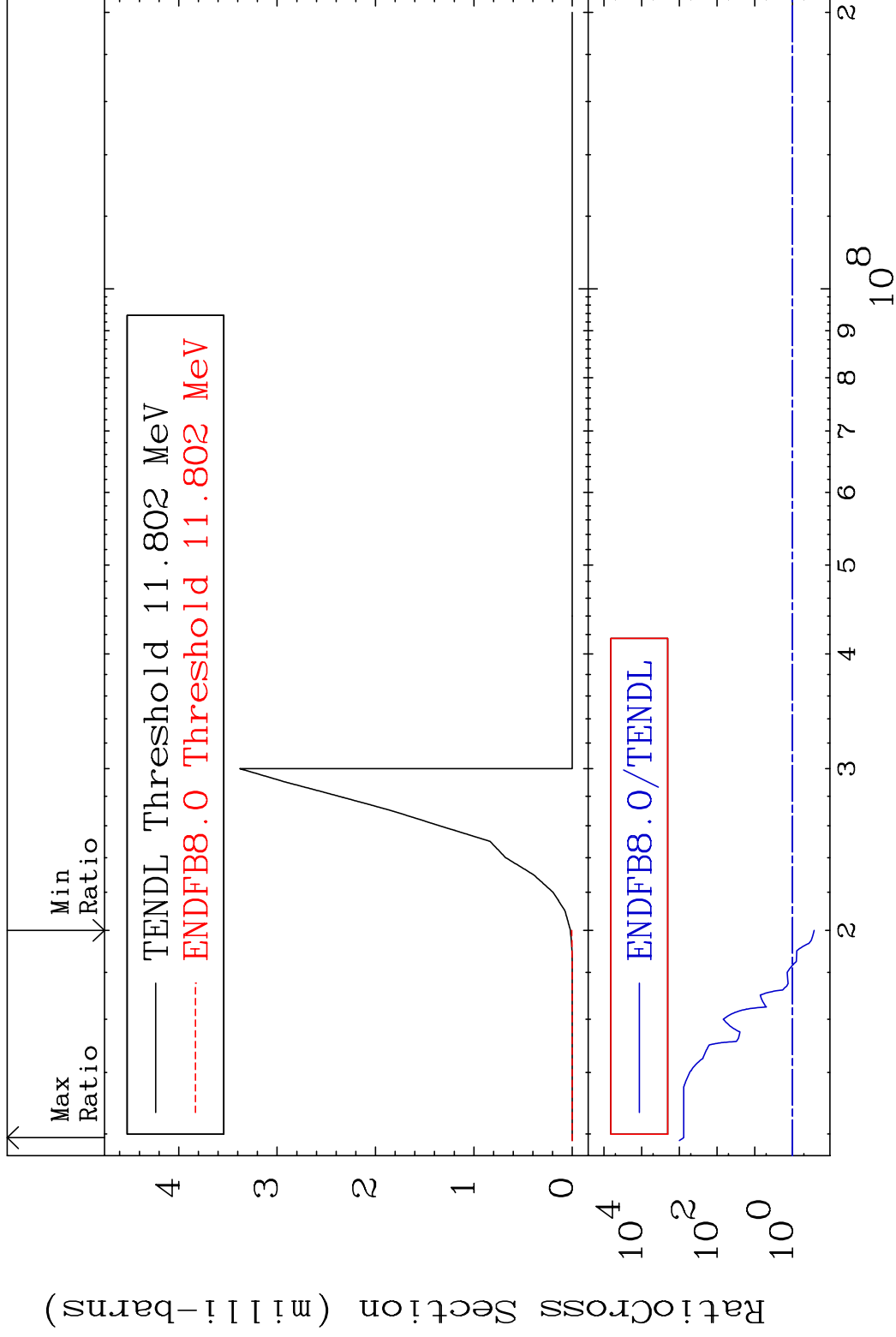
27-Co-59

MAT 2725

(n, He-3)

27-Co-59

Cross Section -73.30 To 9999. %



45

Incident Energy (eV)

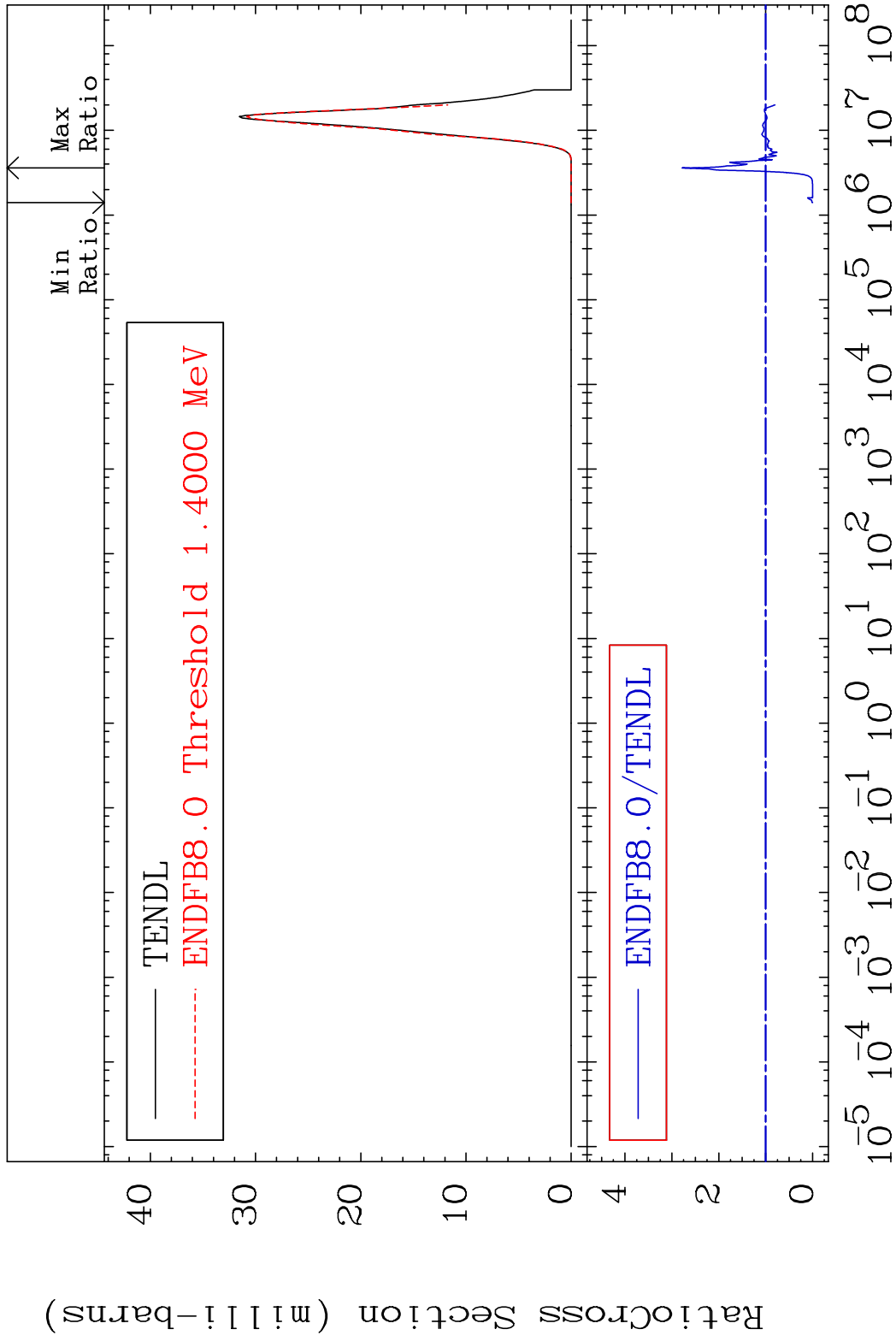
27-Co-59

MAT 2725

(n, α)

27-Co-59

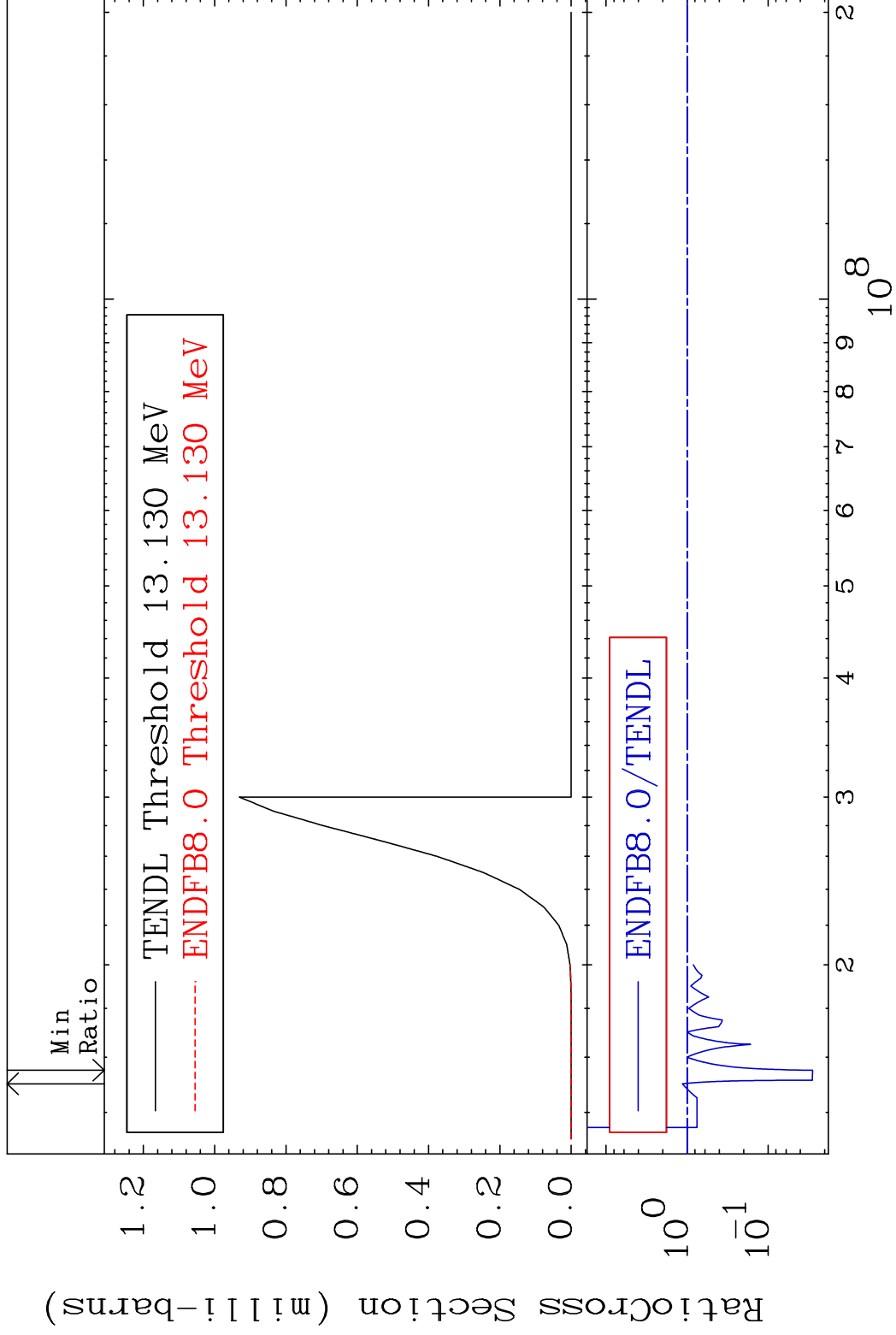
Cross Section -100.0 To 177.7 %



46

Incident Energy (eV)

27-Co-59

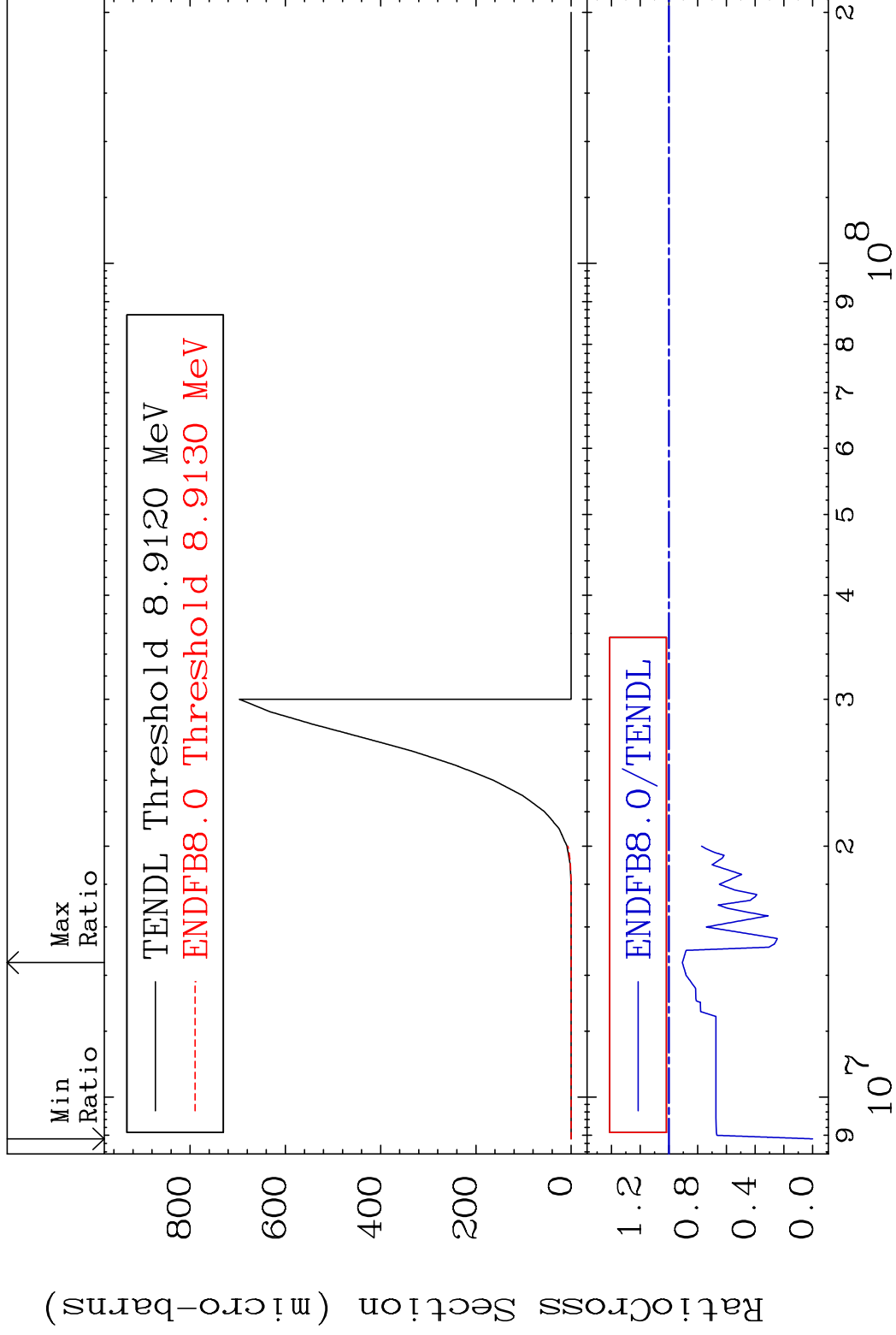


MAT 2725

(n,p) α

27-Co-59

Cross Section -100.0 To -9.349%



48

Incident Energy (eV)

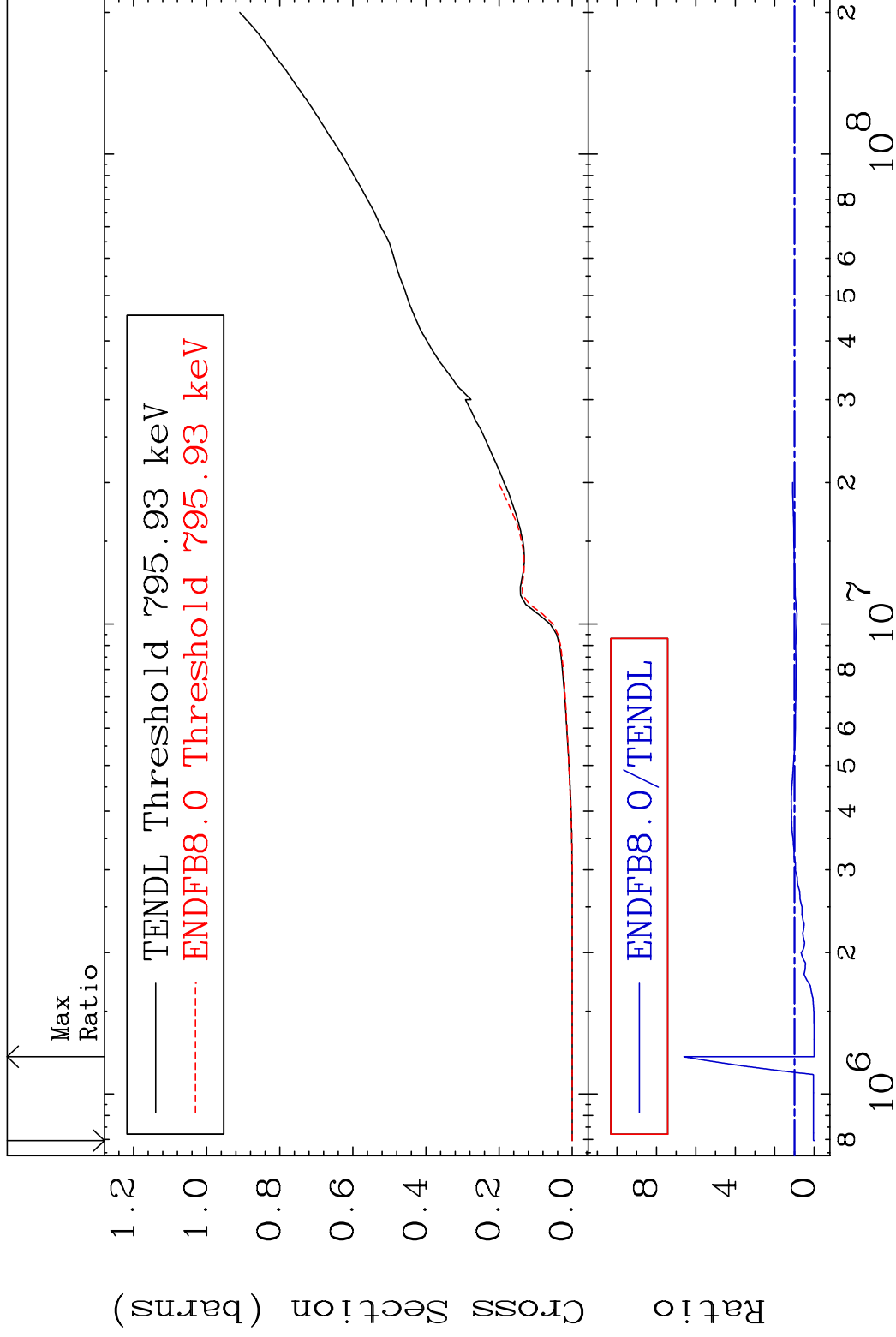
27-Co-59

MAT 2725

Hydrogen Production

²⁷Co-59

Cross Section -100.0 To 561.8 %



49

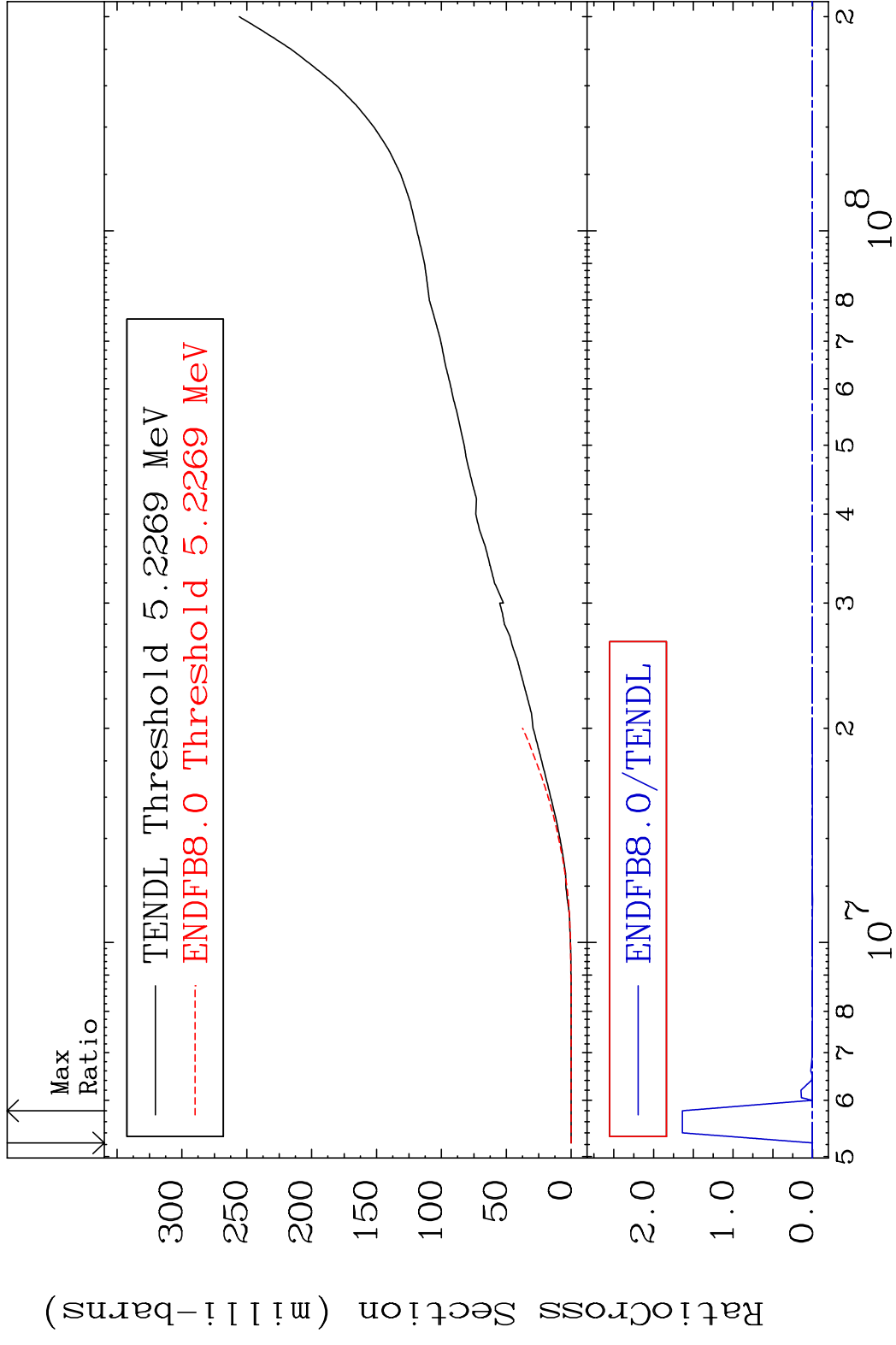
Incident Energy (eV)

²⁷Co-59

MAT 2725

Deuterium Production 27-Co-59

Cross Section -100.0 To 9999. %



50

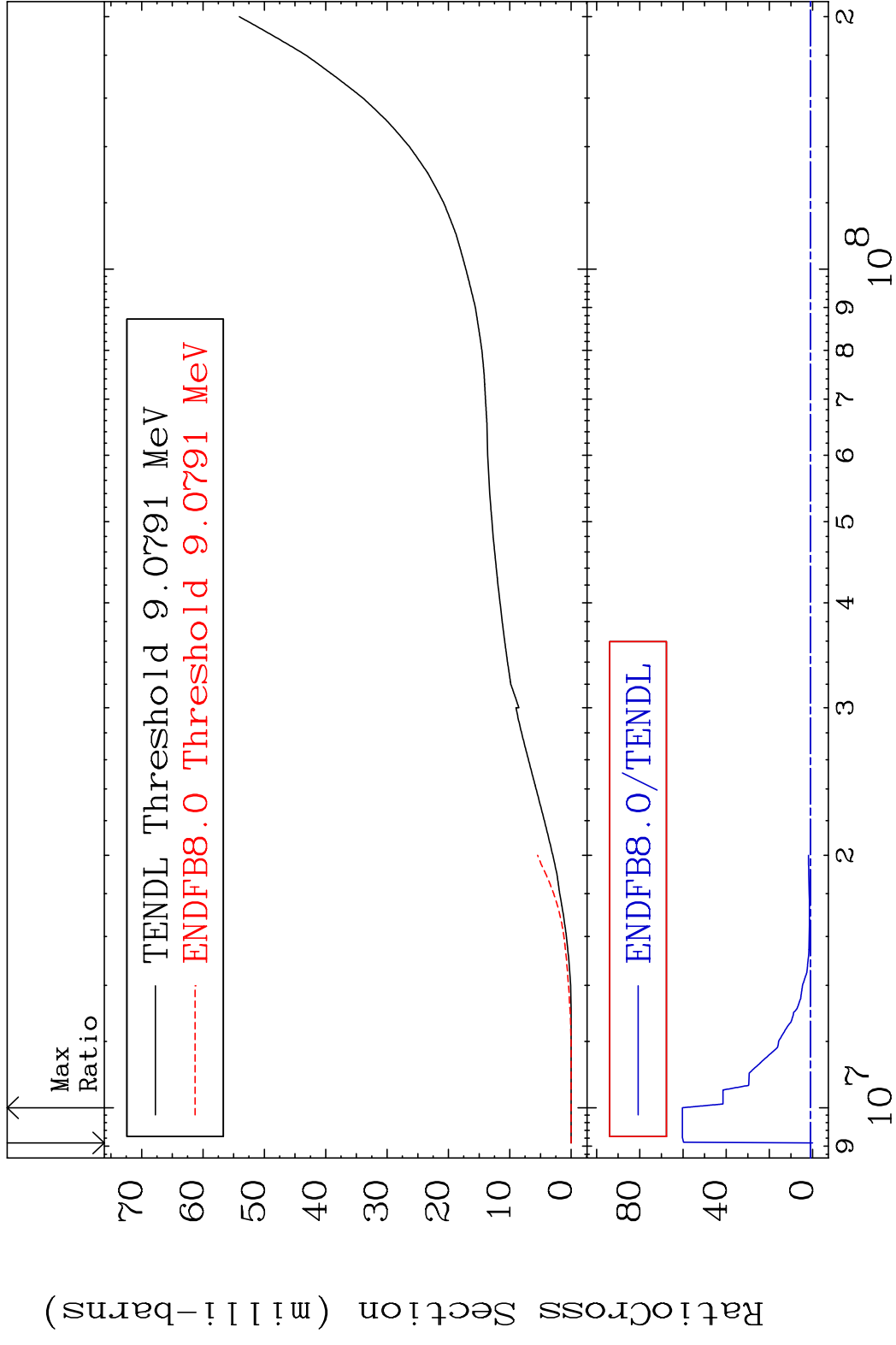
Incident Energy (eV)

27-Co-59

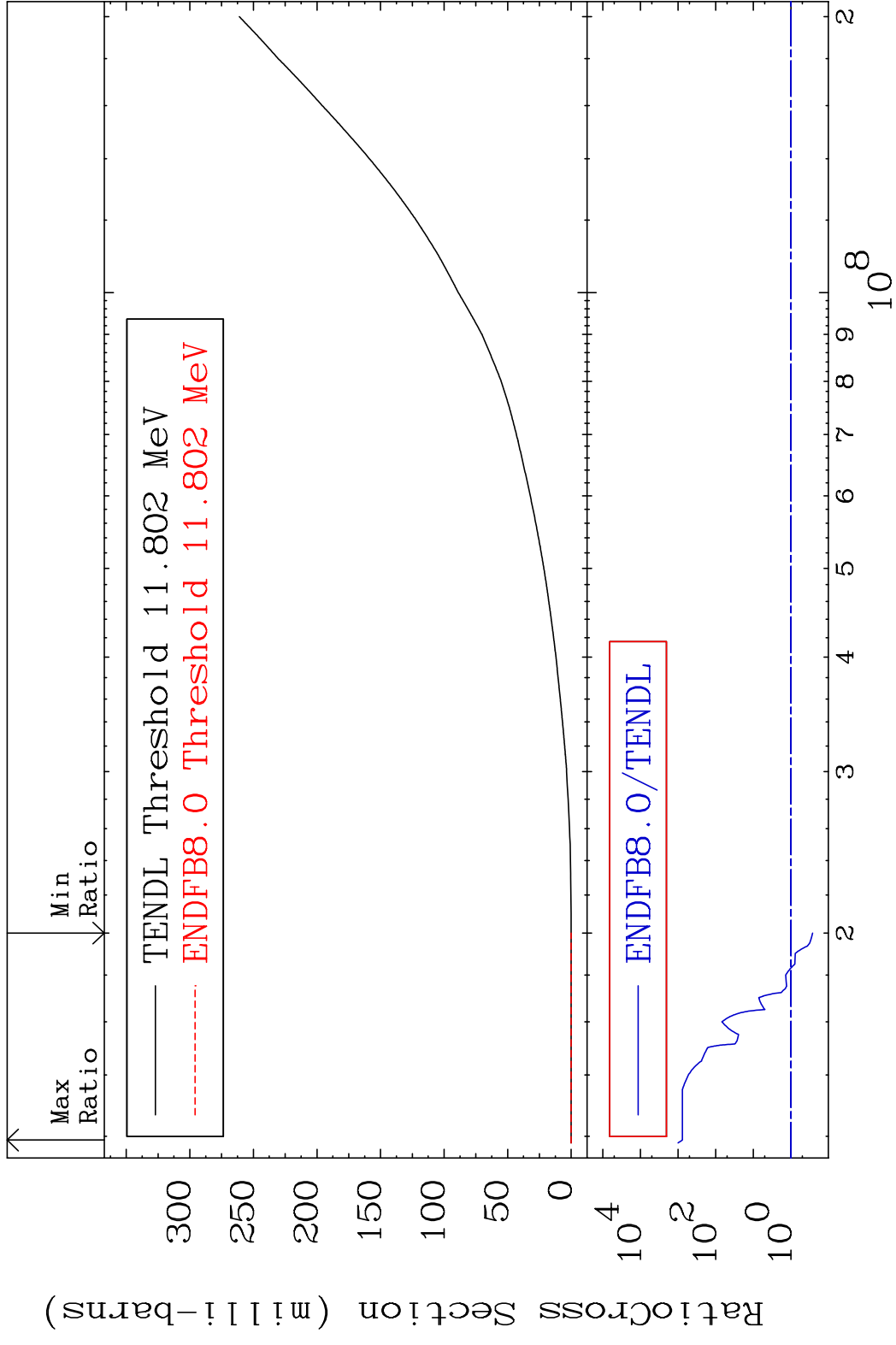
MAT 2725

Tritium Production 27-Co-59

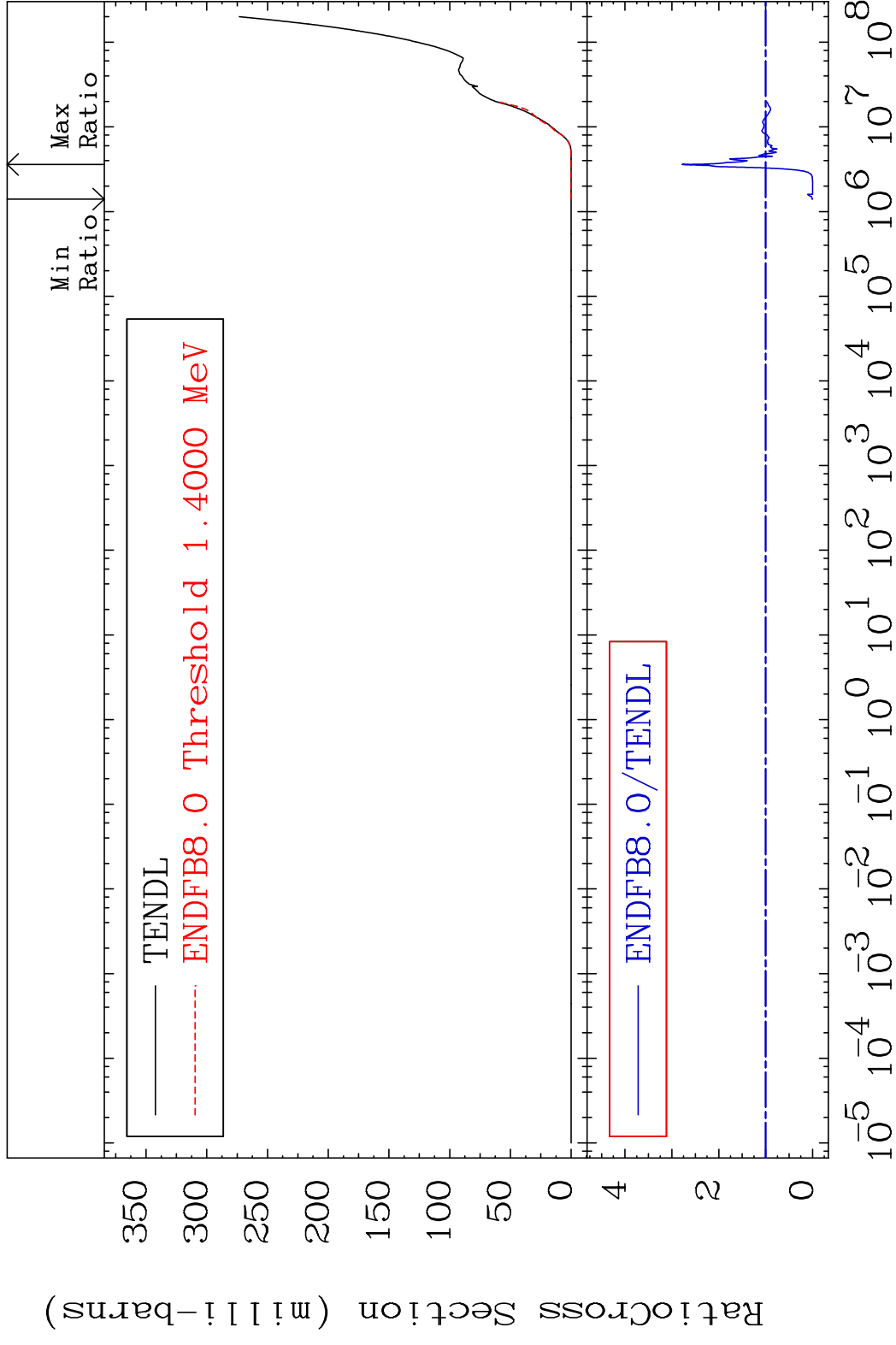
Cross Section -100.0 To 5929. %



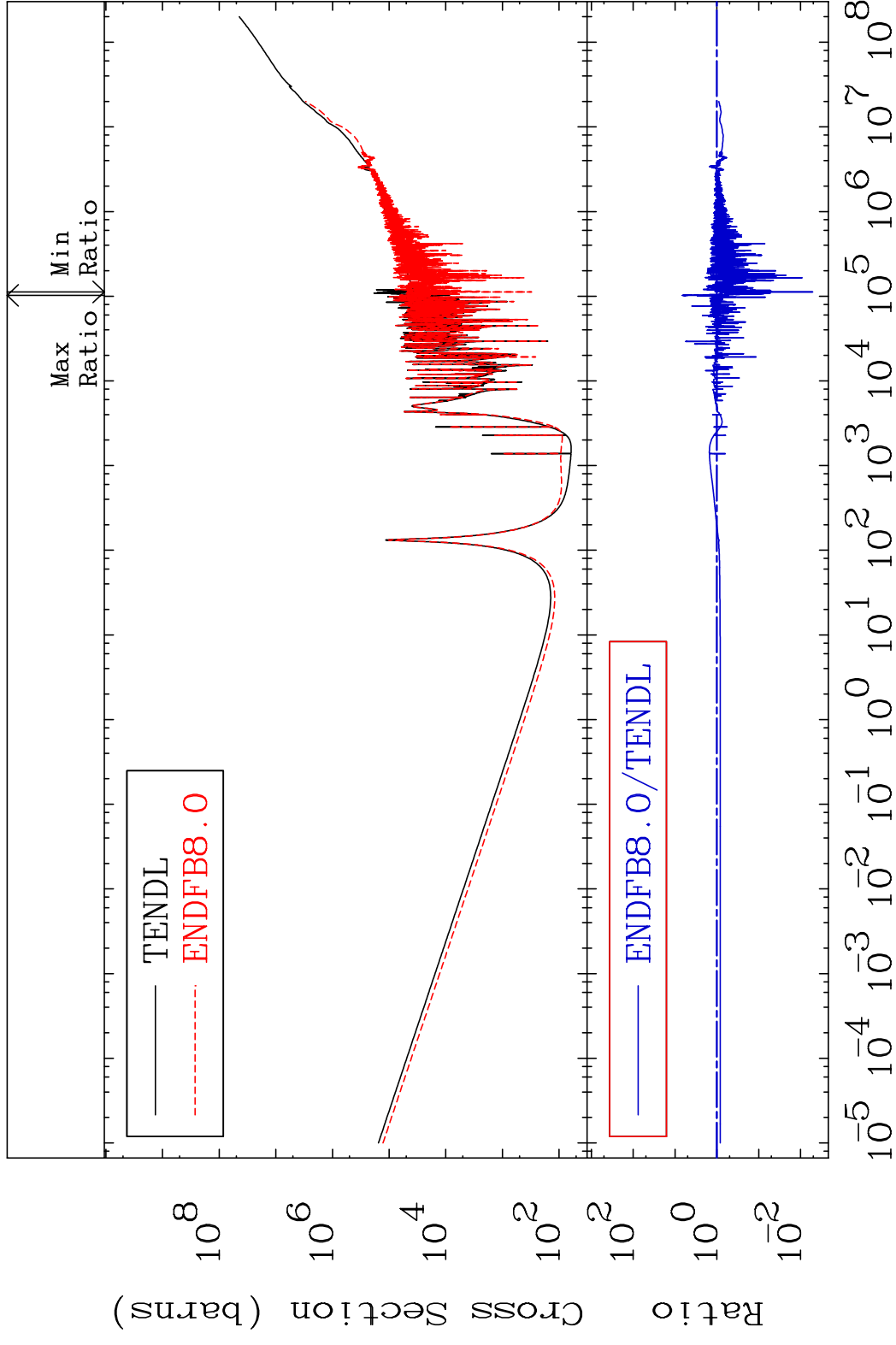
Cross Section -73.30 To 9999. %



Cross Section -100.0 To 177.7 %



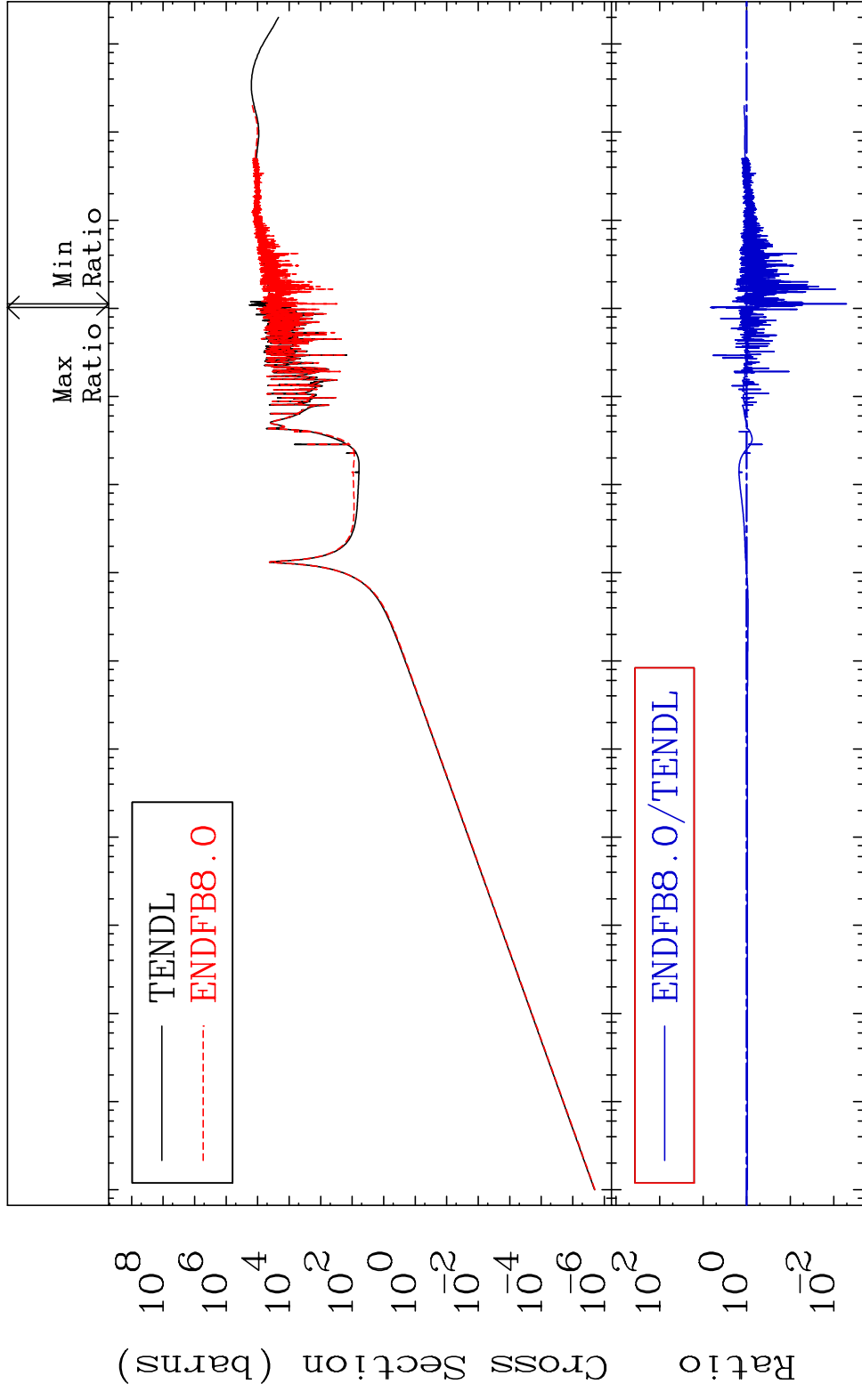
MAT 2725 Kerma total (eV-barns) 27-Co-59
 Cross Section -99.48 To 570.1 %



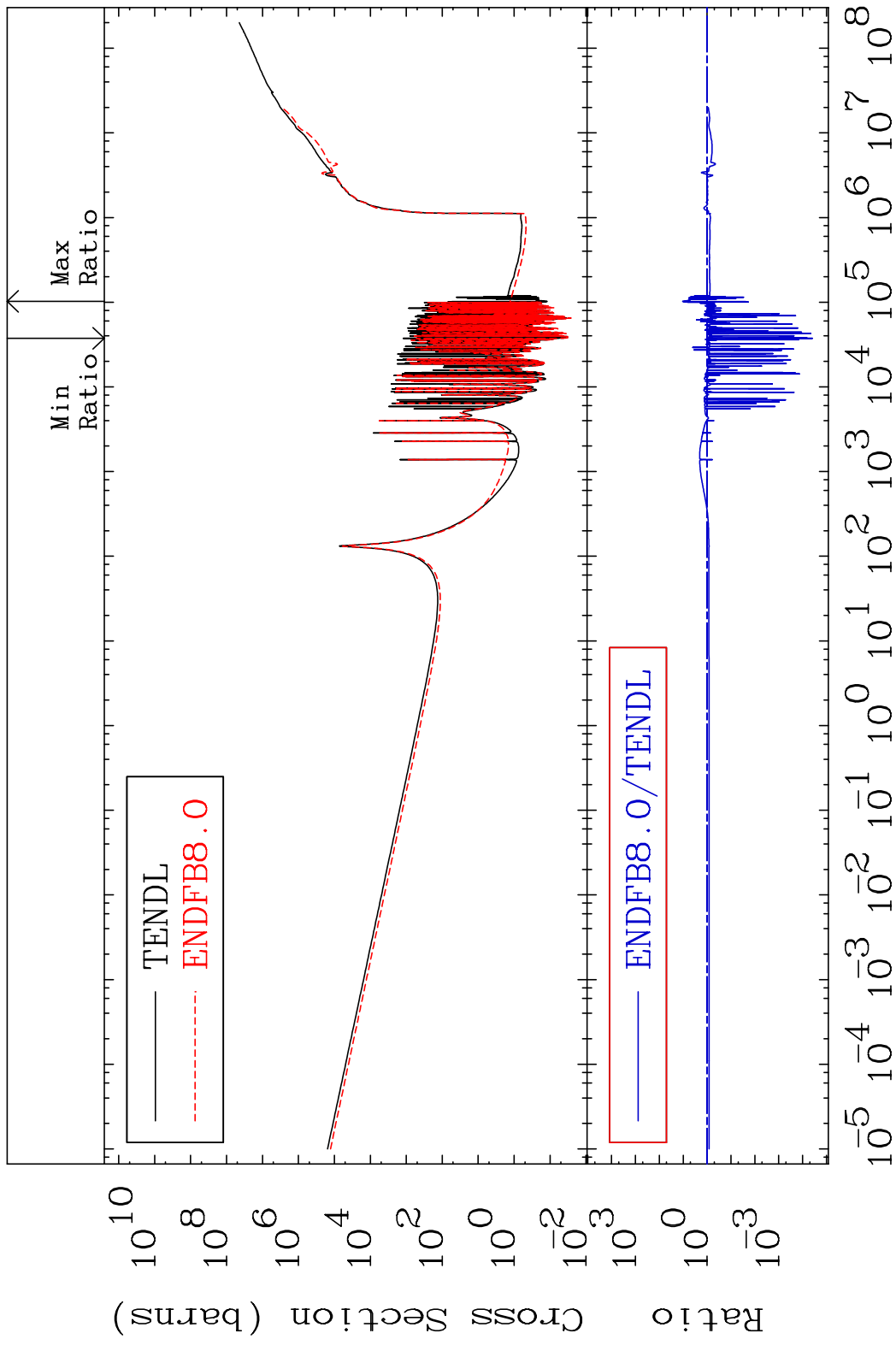
MAT 2725

Kerma elastic
Cross Section

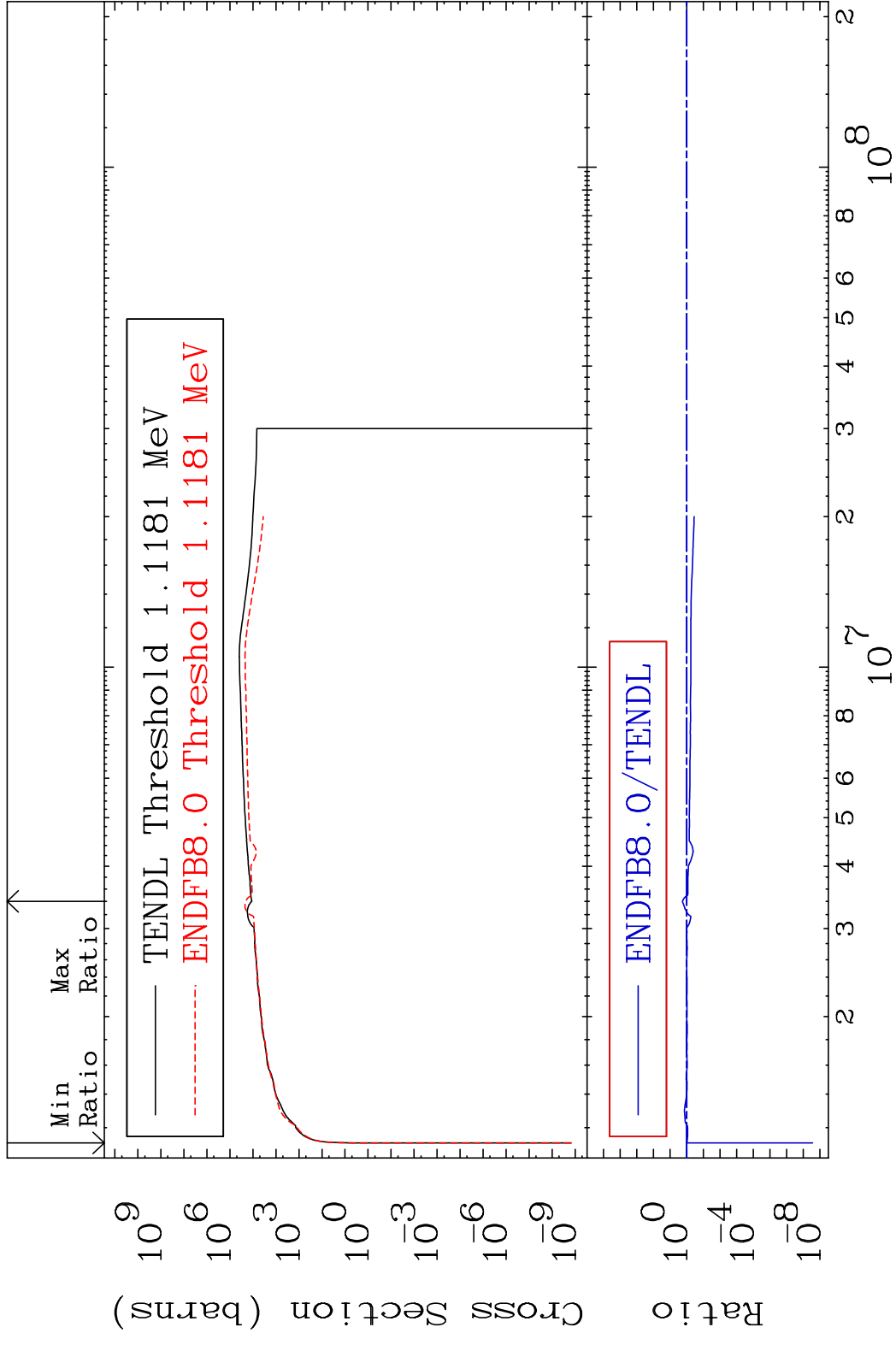
27-Co-59
-99.48 To 570.1 %



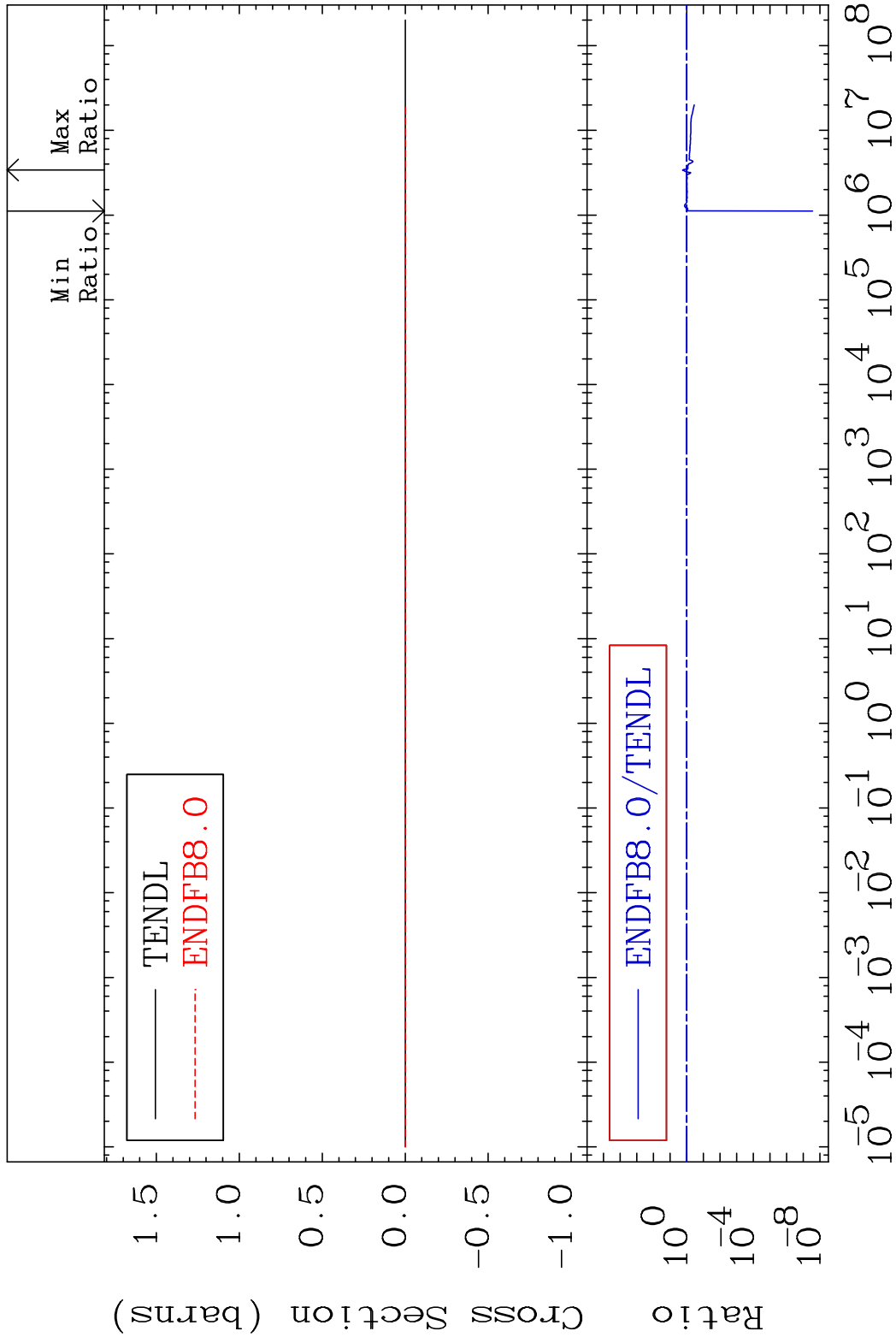
MAT 2725 Kerma non-elastic (all but mt2) 27-Co-59
 Cross Section -100.0 To 986.2 %



MAT 2725 Kerma inelastic (mt51-91) 27-Co-59
 Cross Section -100.0 To 81.87 %

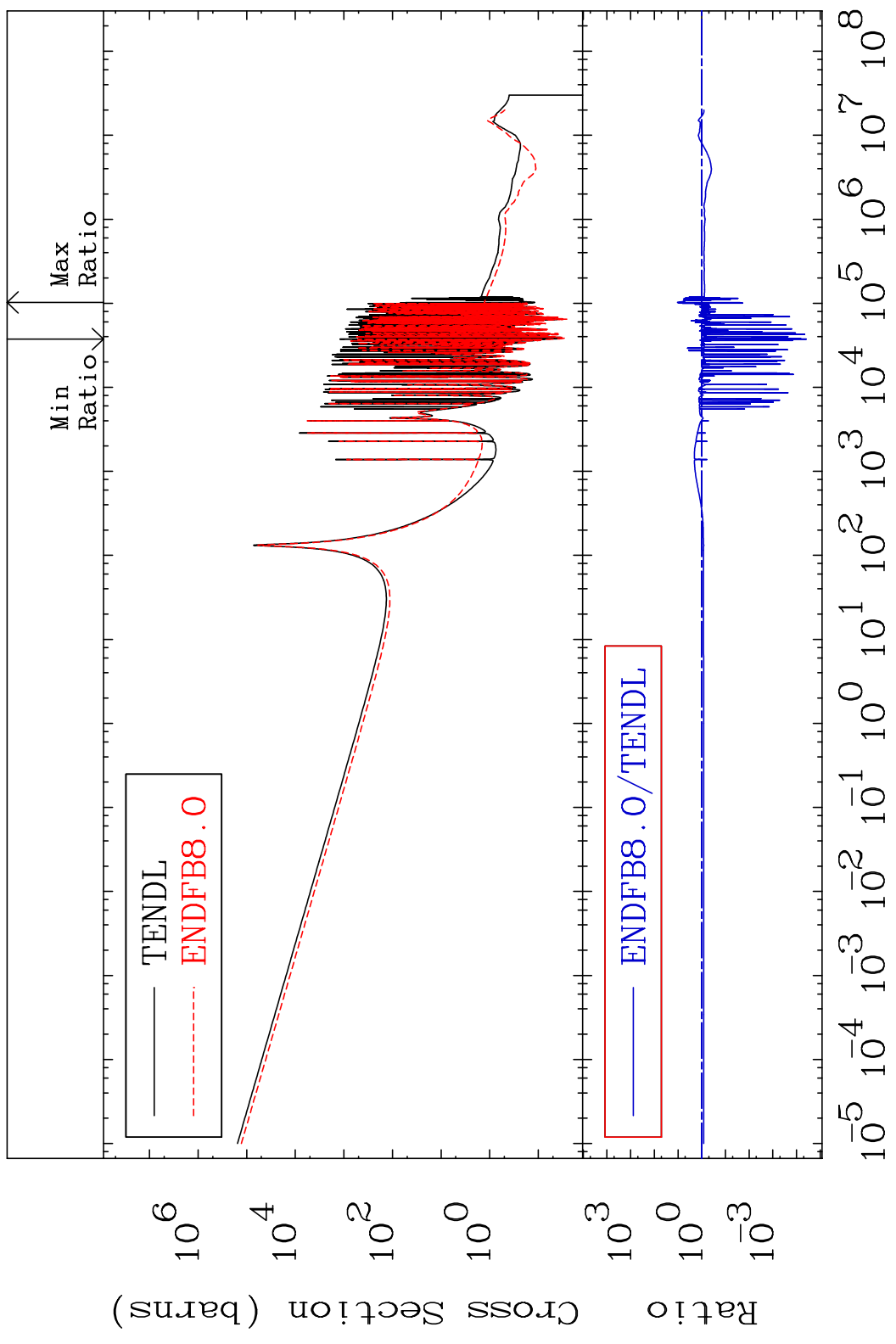


MAT 2725 Kerma fission (mt18 or mt19-20-21-38) 27-Co-59
 Cross Section -100.0 To 81.87 %



MAT 2725

Kerma capture (mt102) 27-Co-59
Cross Section -100.0 To 986.2 %



59

Incident Energy (eV)

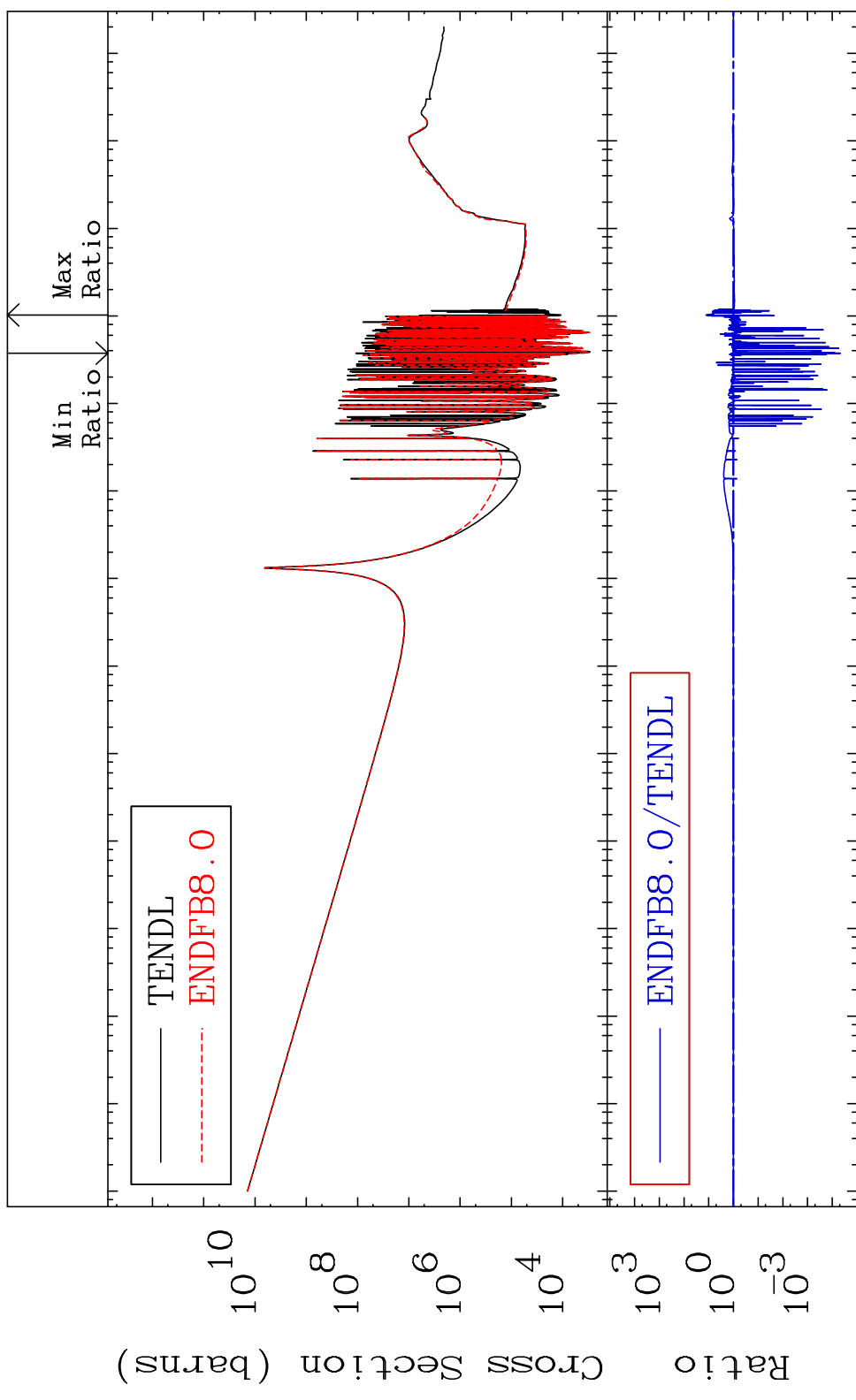
27-Co-59

MAT 2725

Total photon (eV-barns)

27-Co-59

Cross Section -100.0 To 1217. %

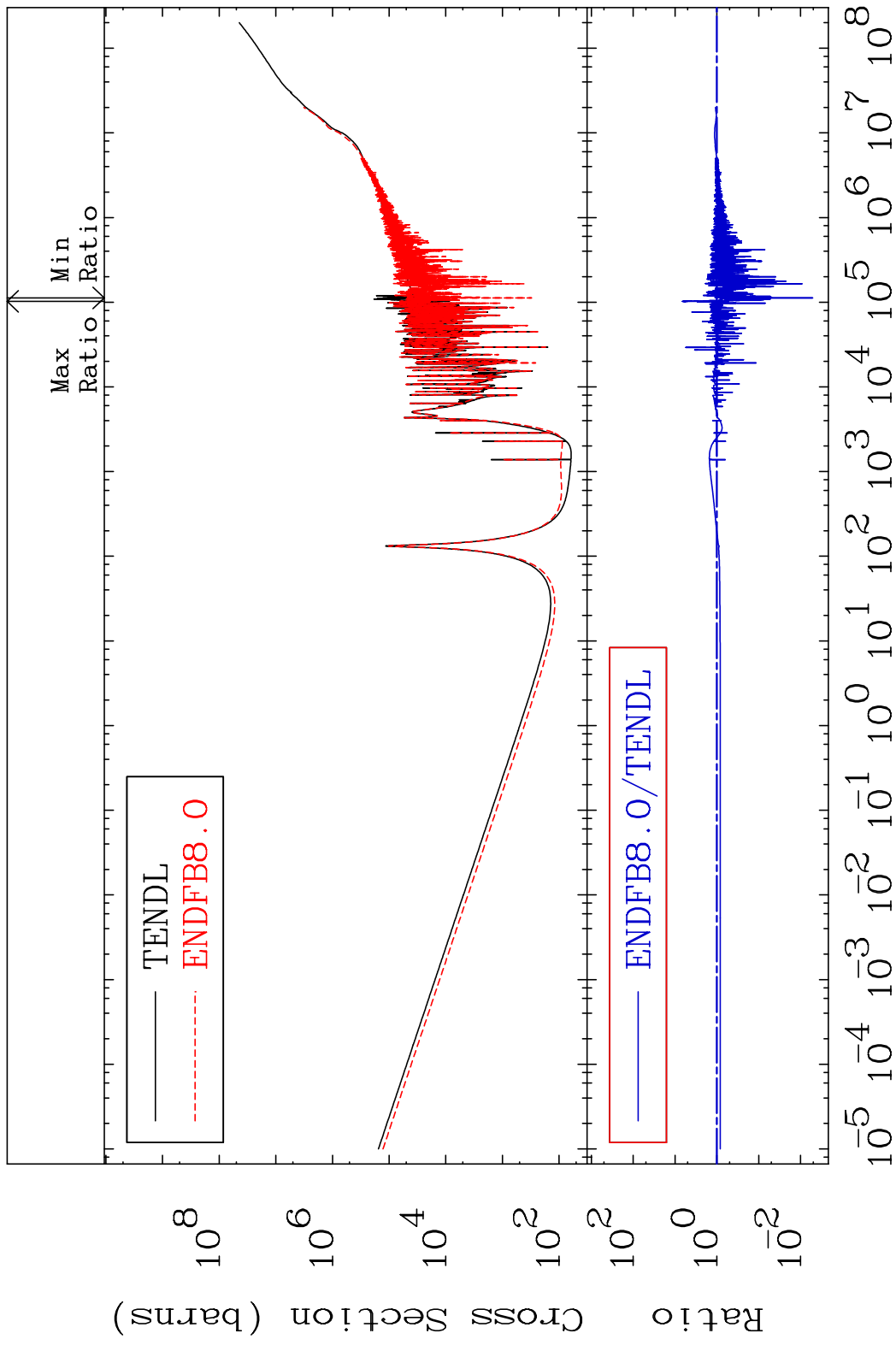


60

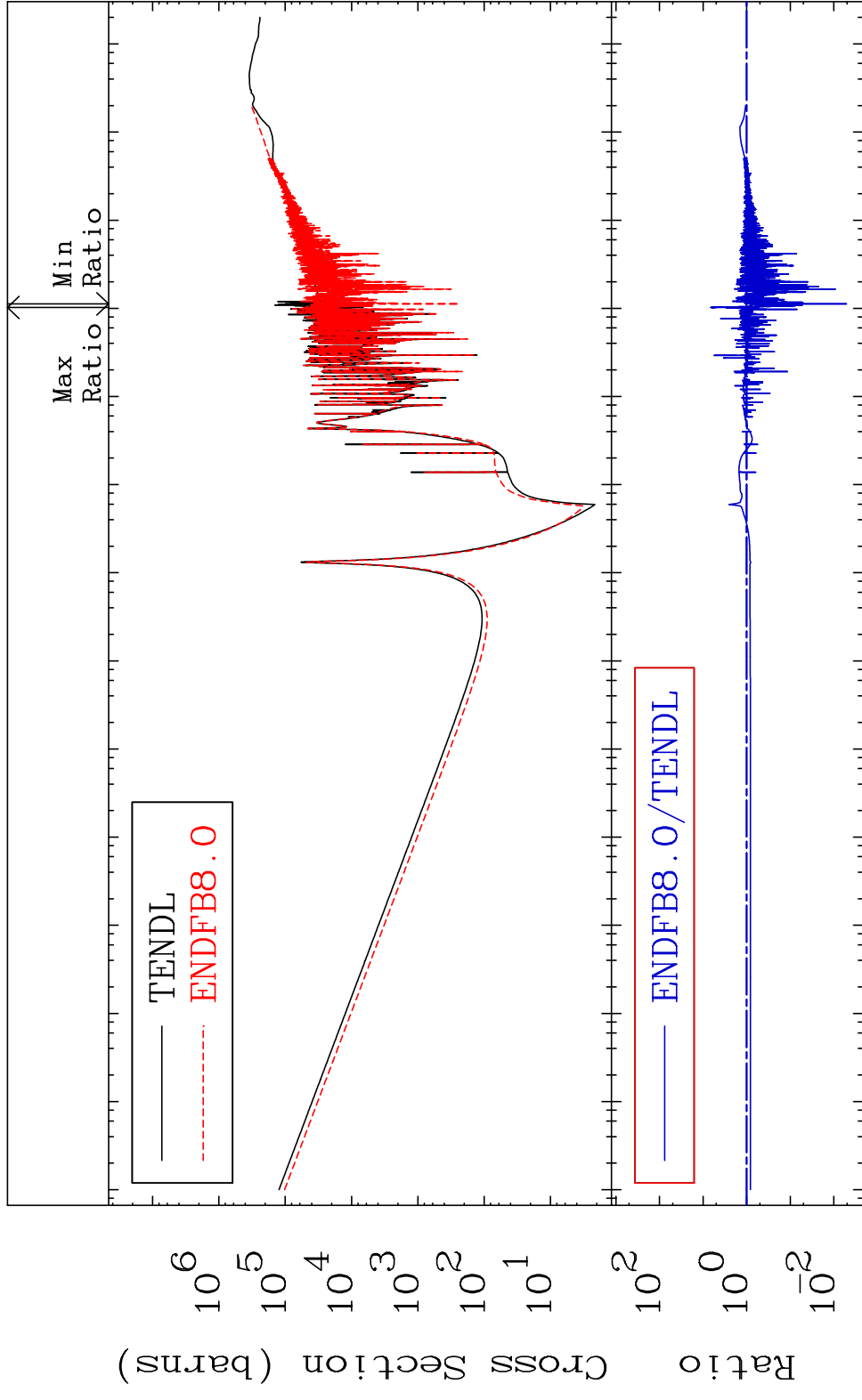
Incident Energy (eV)

27-Co-59

MAT 2725 Total kinematic kerma (high limit) 27-Co-59
 Cross Section -99.48 To 570.1 %



MAT 2725 Dpa total (eV-barns) 27-Co-59
 Cross Section -99.48 To 570.1 %

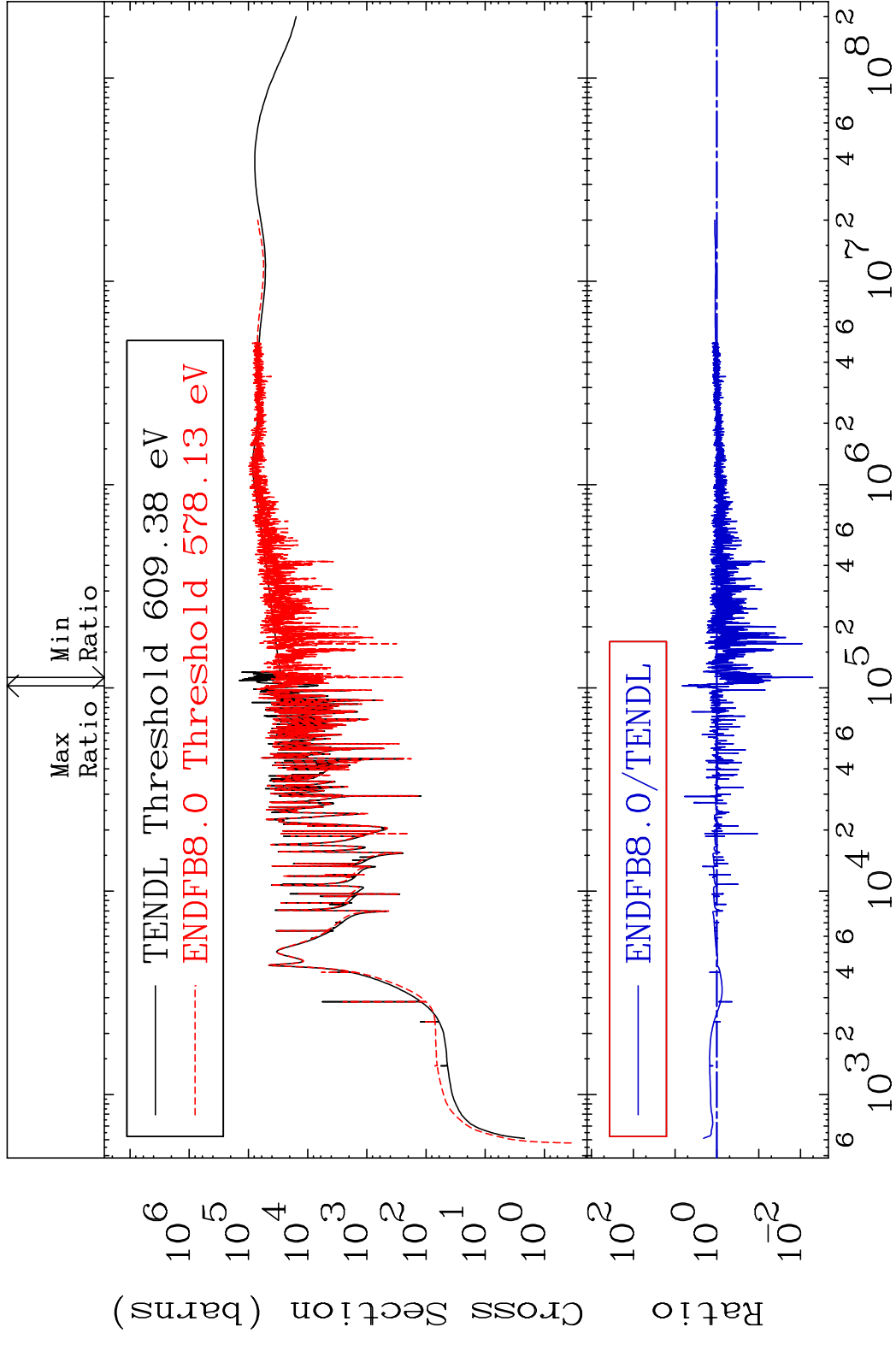


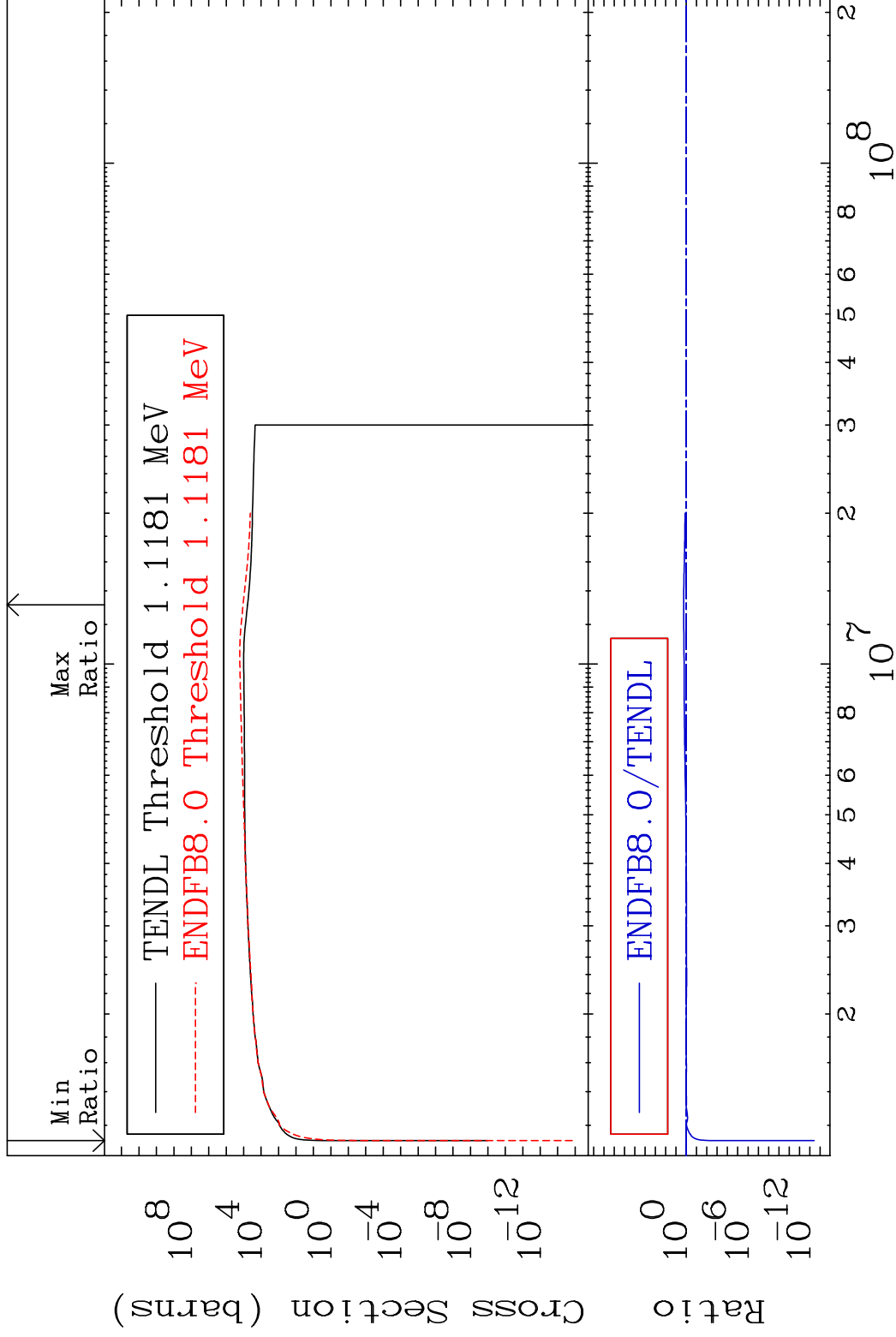
MAT 2725

Dpa elastic (mt2)

27-Co-59

Cross Section -99.48 To 570.1 %





MAT 2725 Dpa disappearance (mt102 -120) 27-Co-59
 Cross Section -100.0 To 980.1 %

