

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

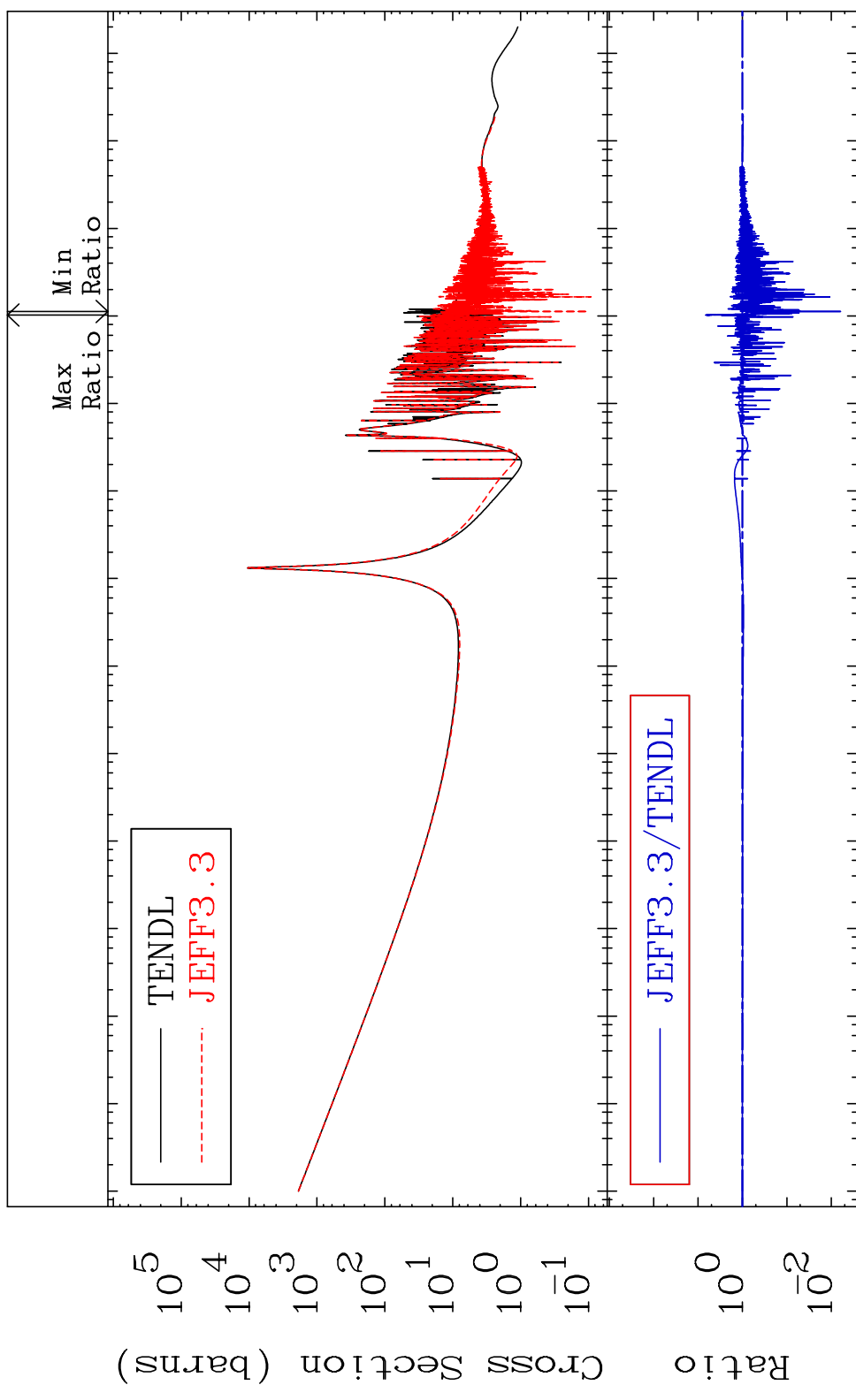
MAT 2725

Total

27-Co-59

Cross Section

-99.38 To 570.2 %



1

Incident Energy (eV)

27-Co-59

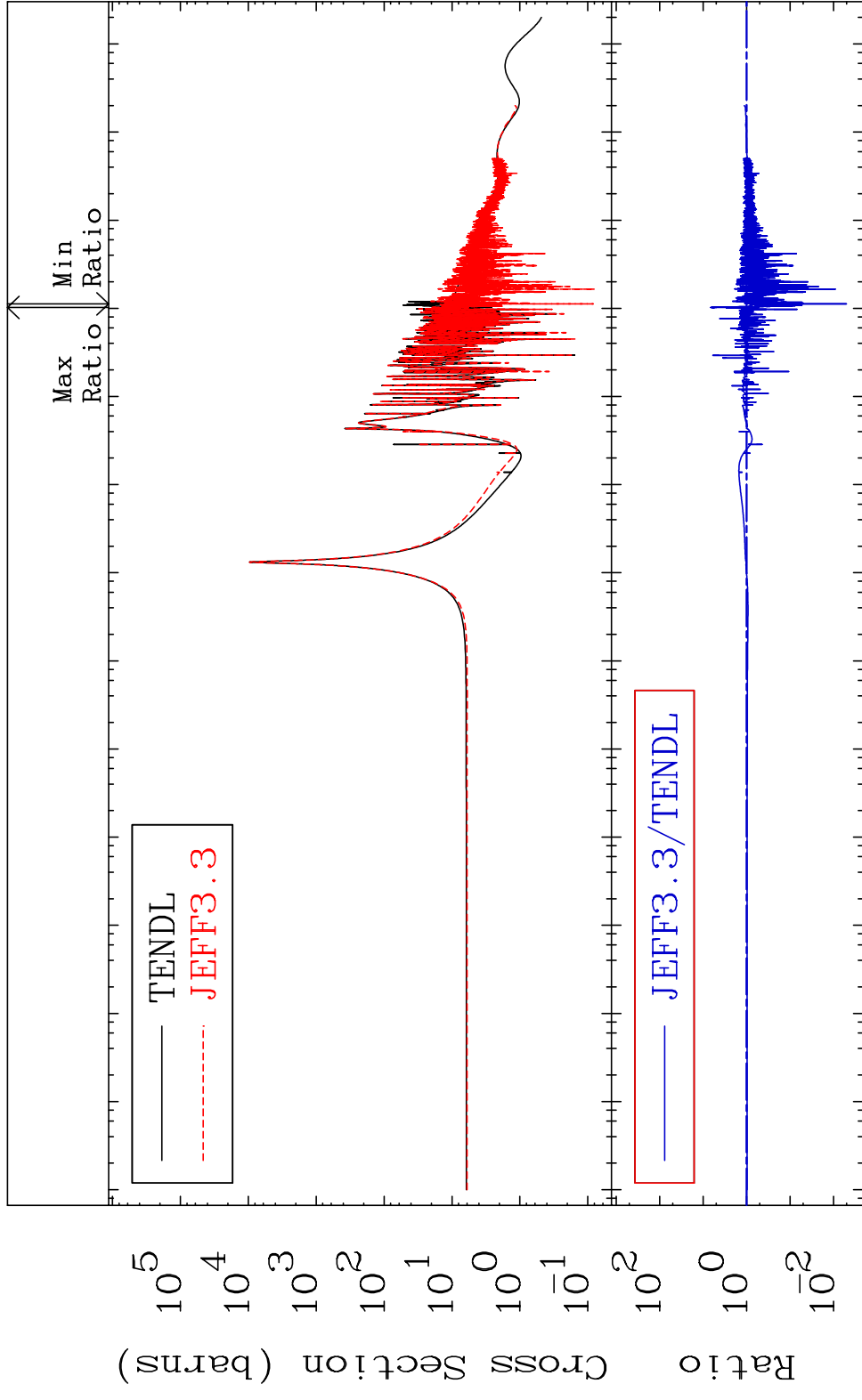
MAT 2725

Elastic

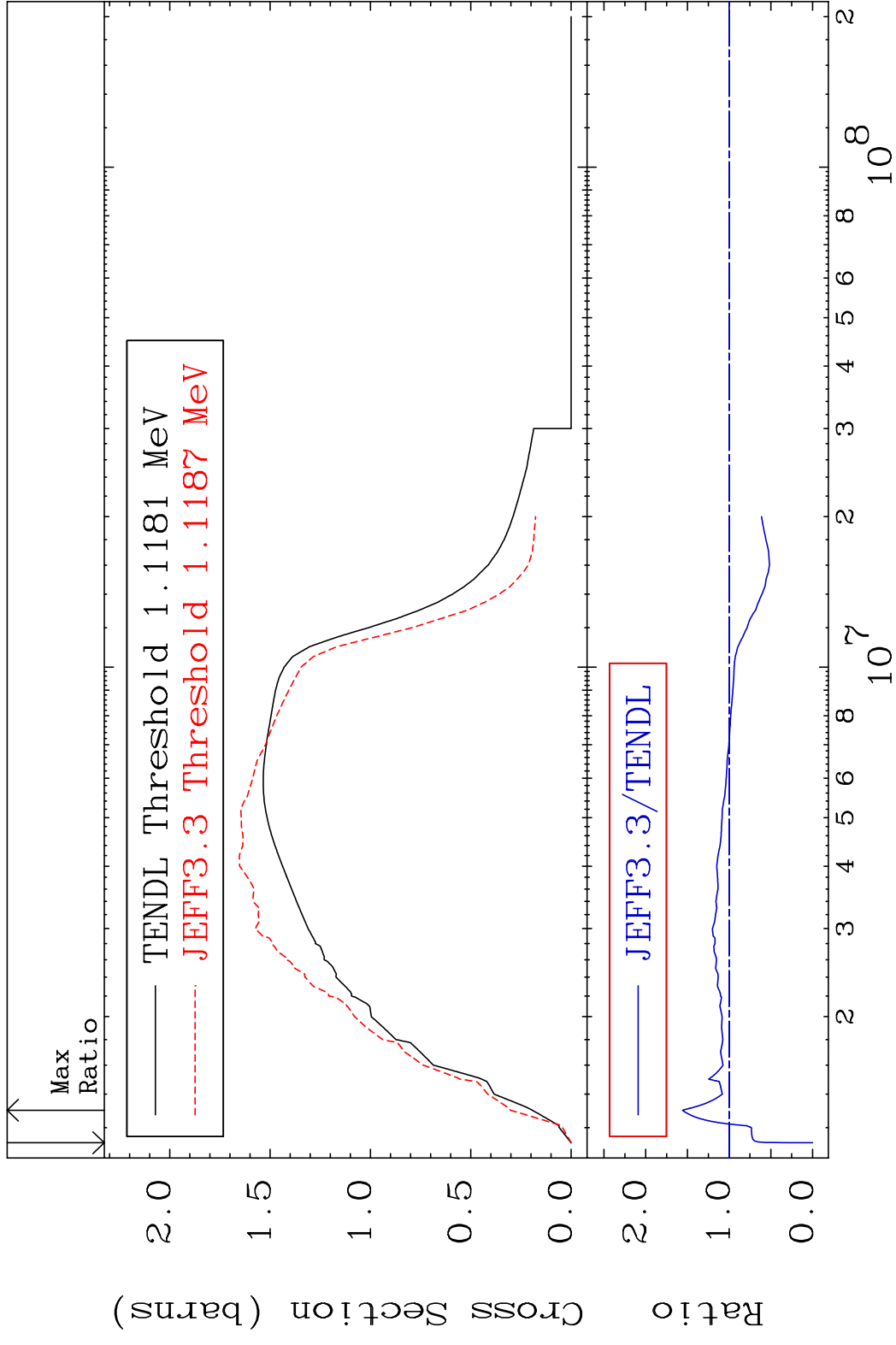
27-Co-59

Cross Section

-99.49 To 569.8 %



MAT 2725 Inelastic 27-Co-59
 Cross Section -100.0 To 56.08 %

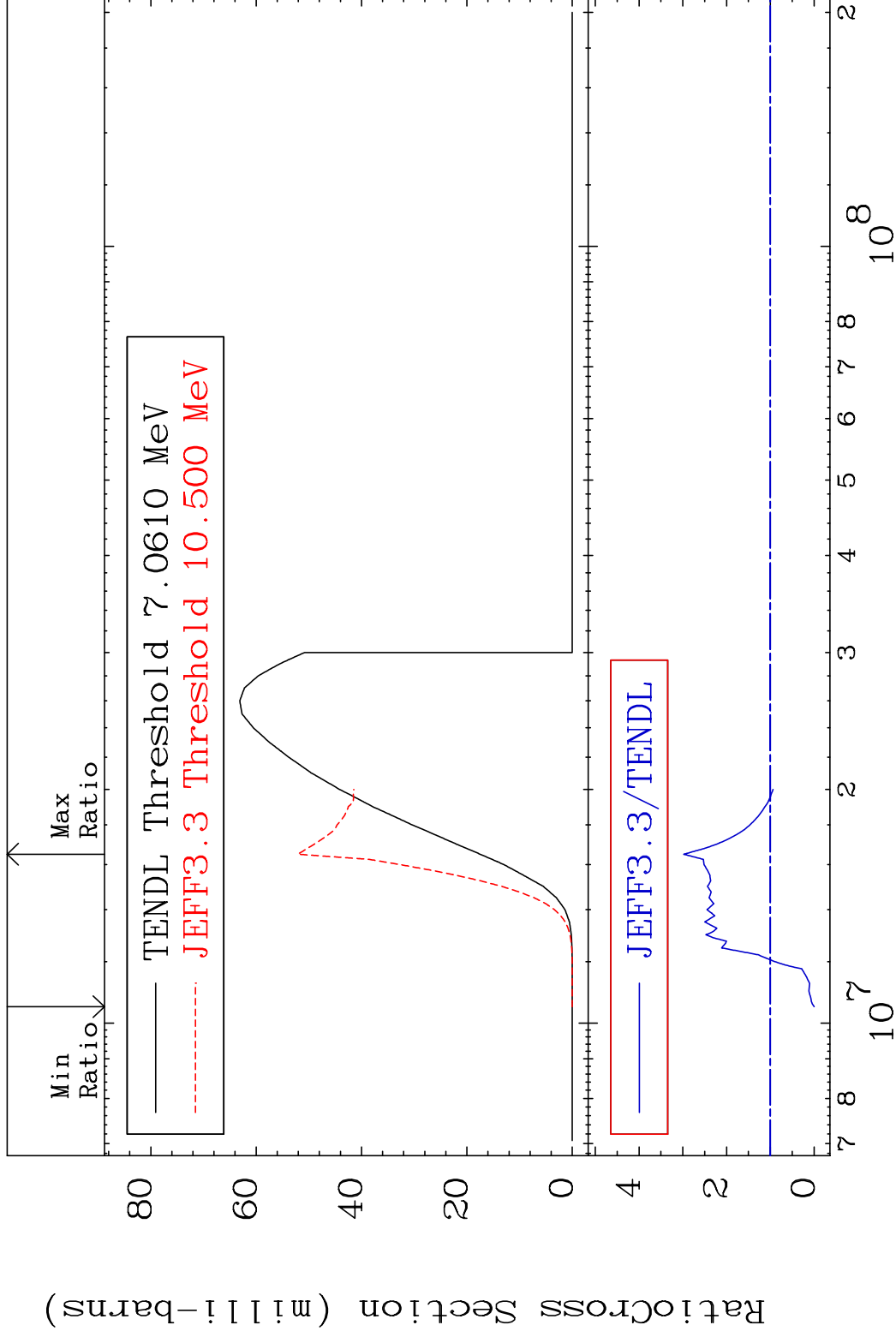


MAT 2725

(n, n') α

27-Co-59

Cross Section -100.0 To 198.1 %



5

Incident Energy (eV)

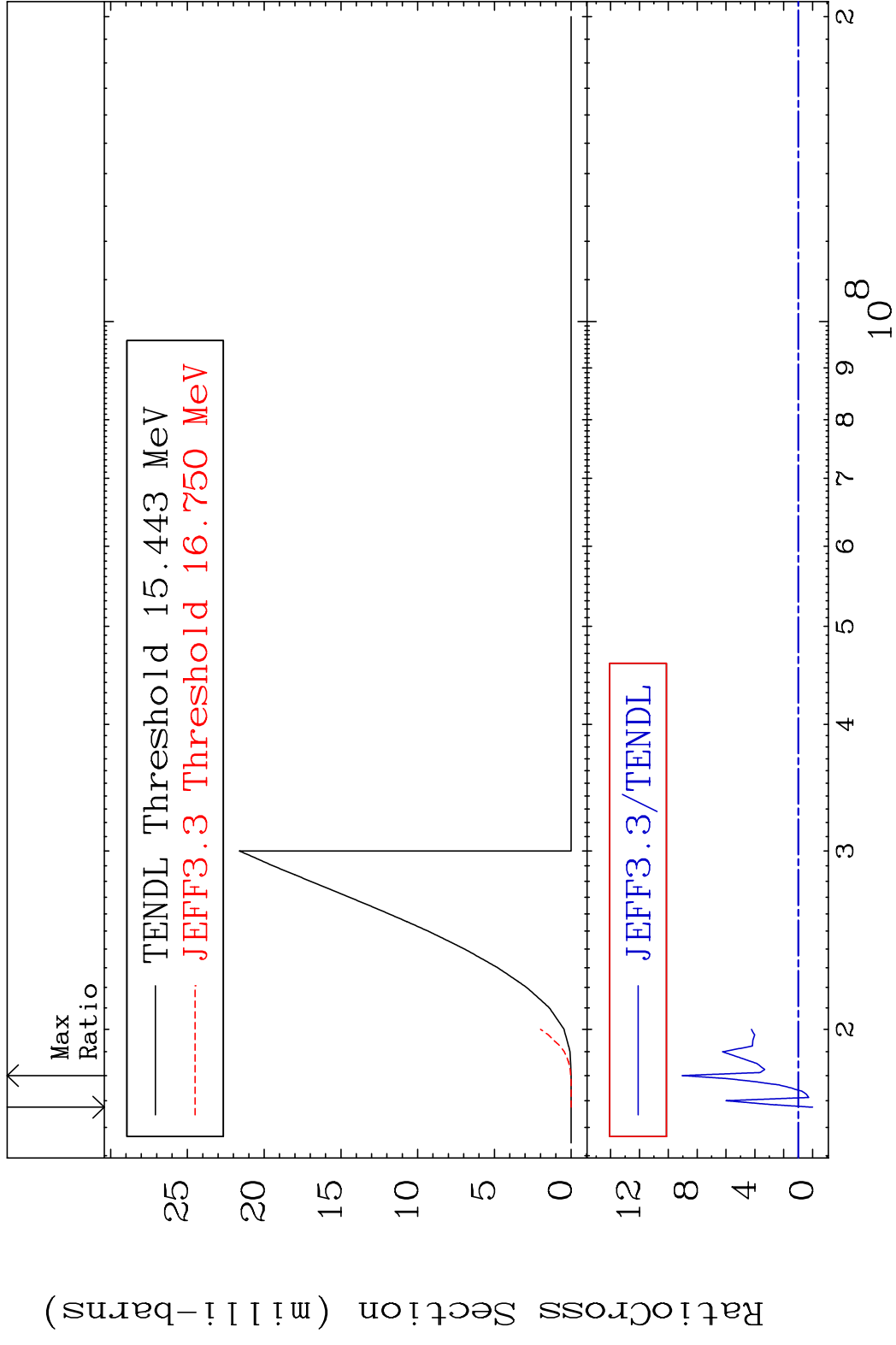
27-Co-59

MAT 2725

(n, n') d

27-Co-59

Cross Section -100.0 To 802.8 %

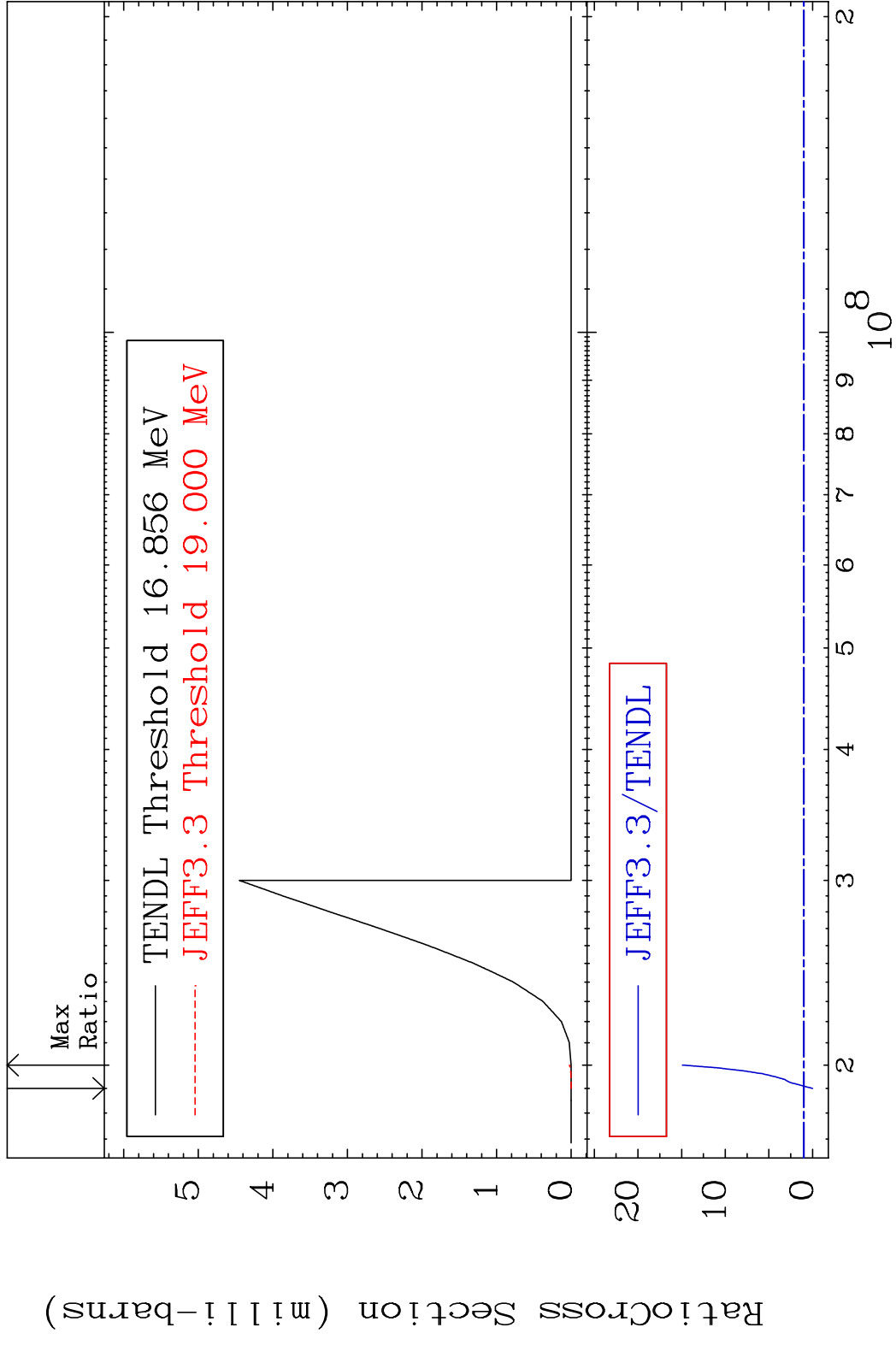


MAT 2725

(n, n') t

27-Co-59

Cross Section -100.0 To 1391. %

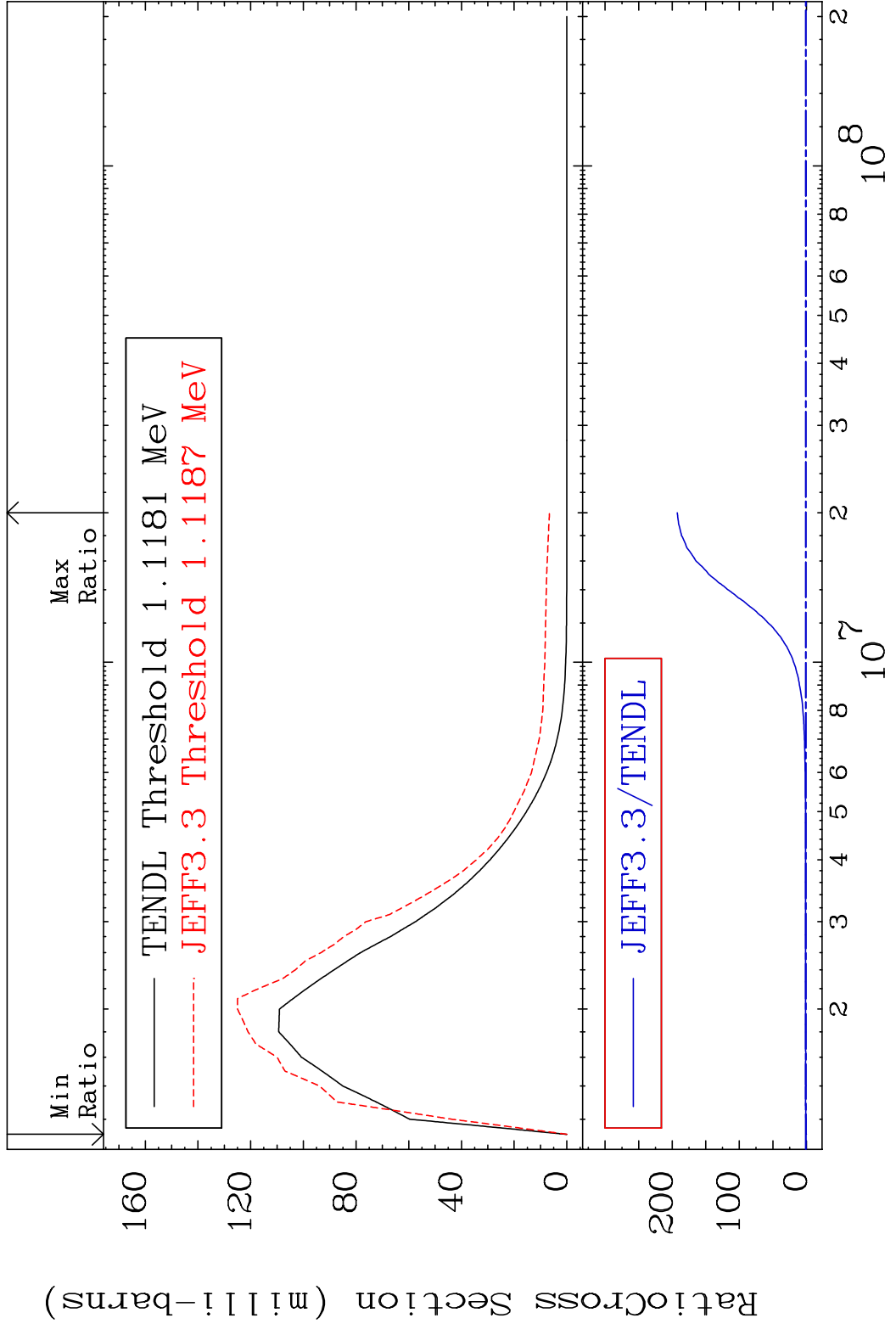


8

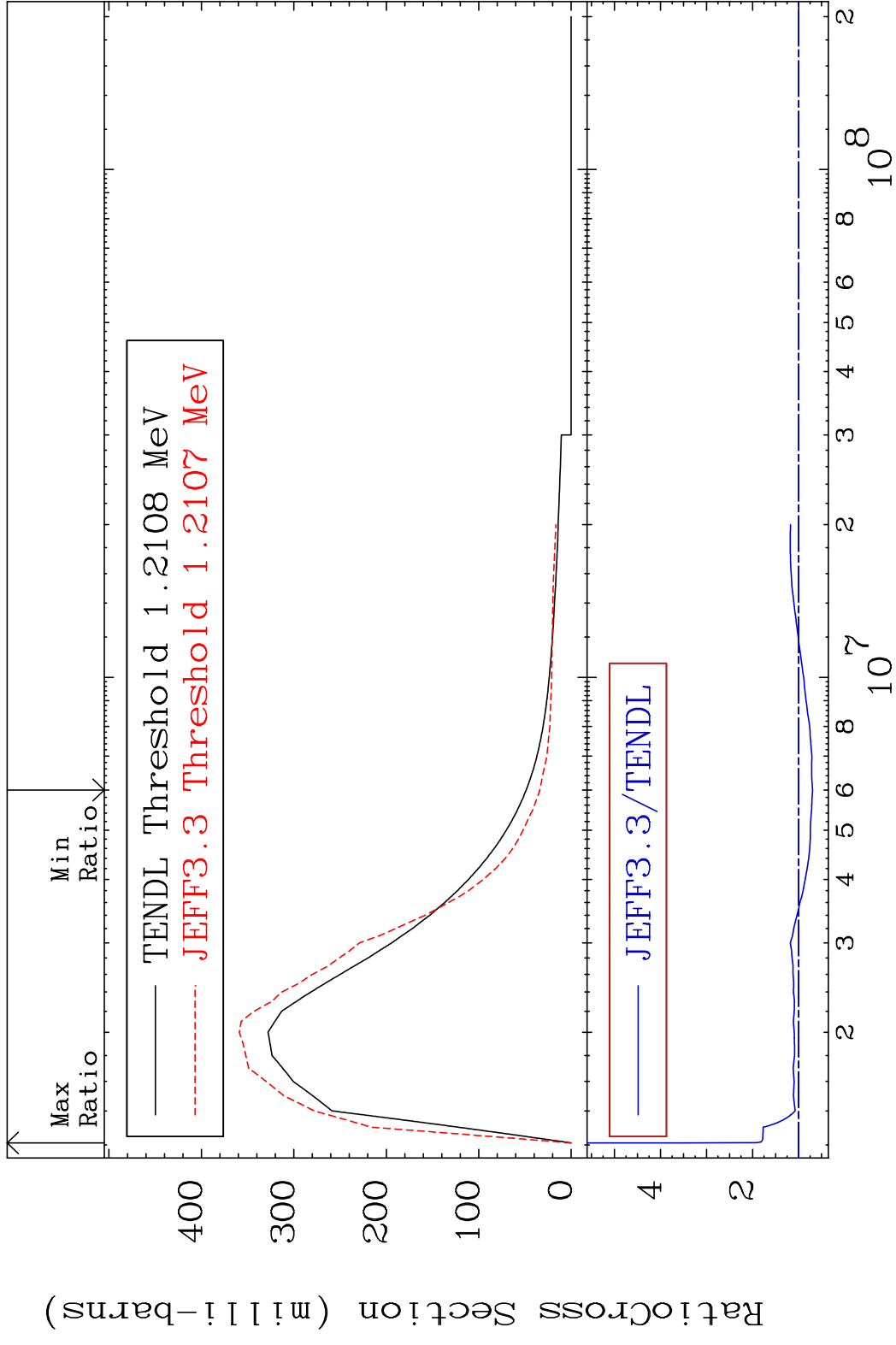
Incident Energy (eV)

27-Co-59

MAT 2725 MT= 51 (n, n') Level 27-Co-59
 Cross Section -100.0 To 9999. %

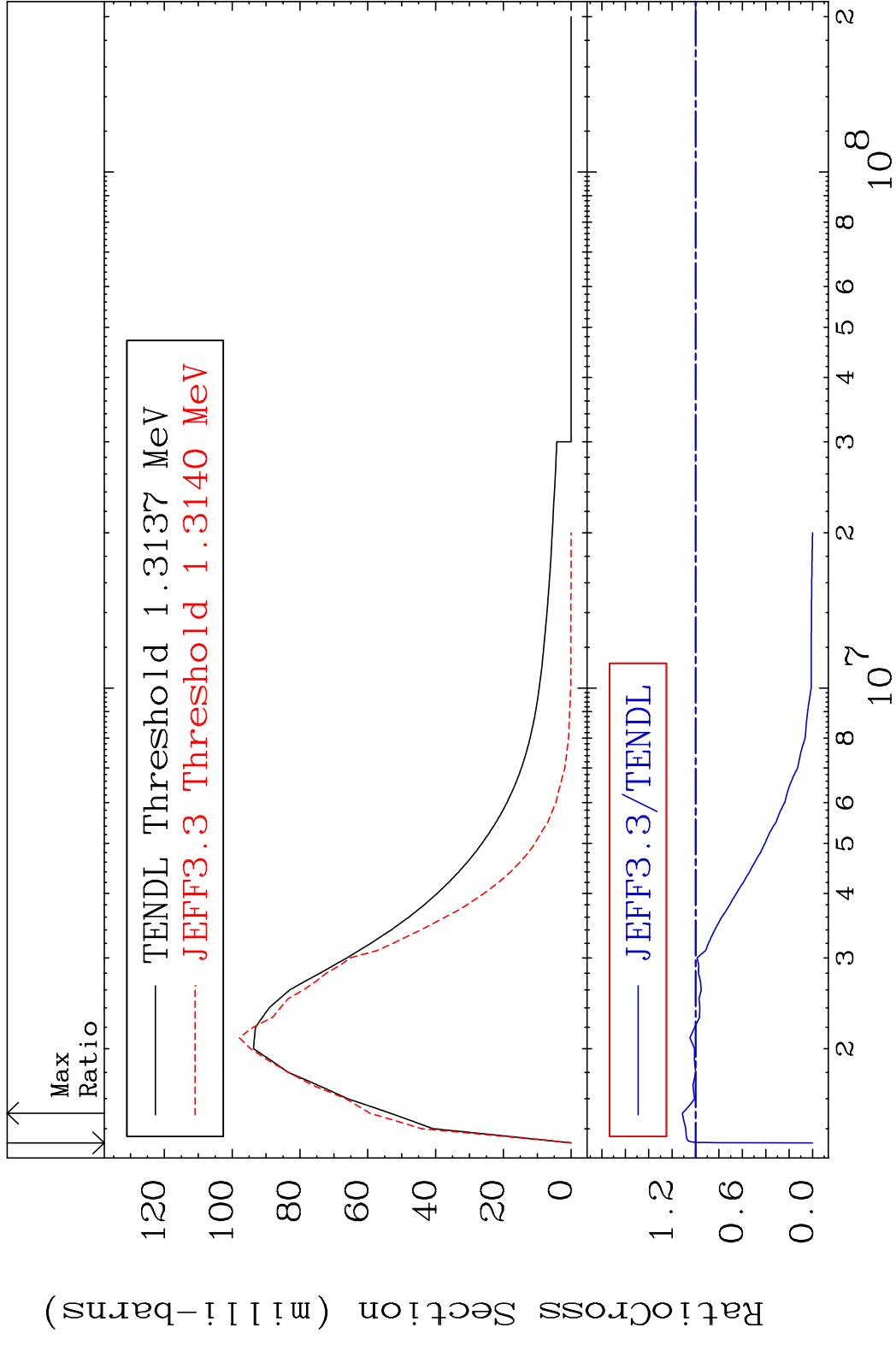


MAT 2725 MT= 52 (n, n') Level 27-Co-59
 Cross Section -30.33 To 252.6 %

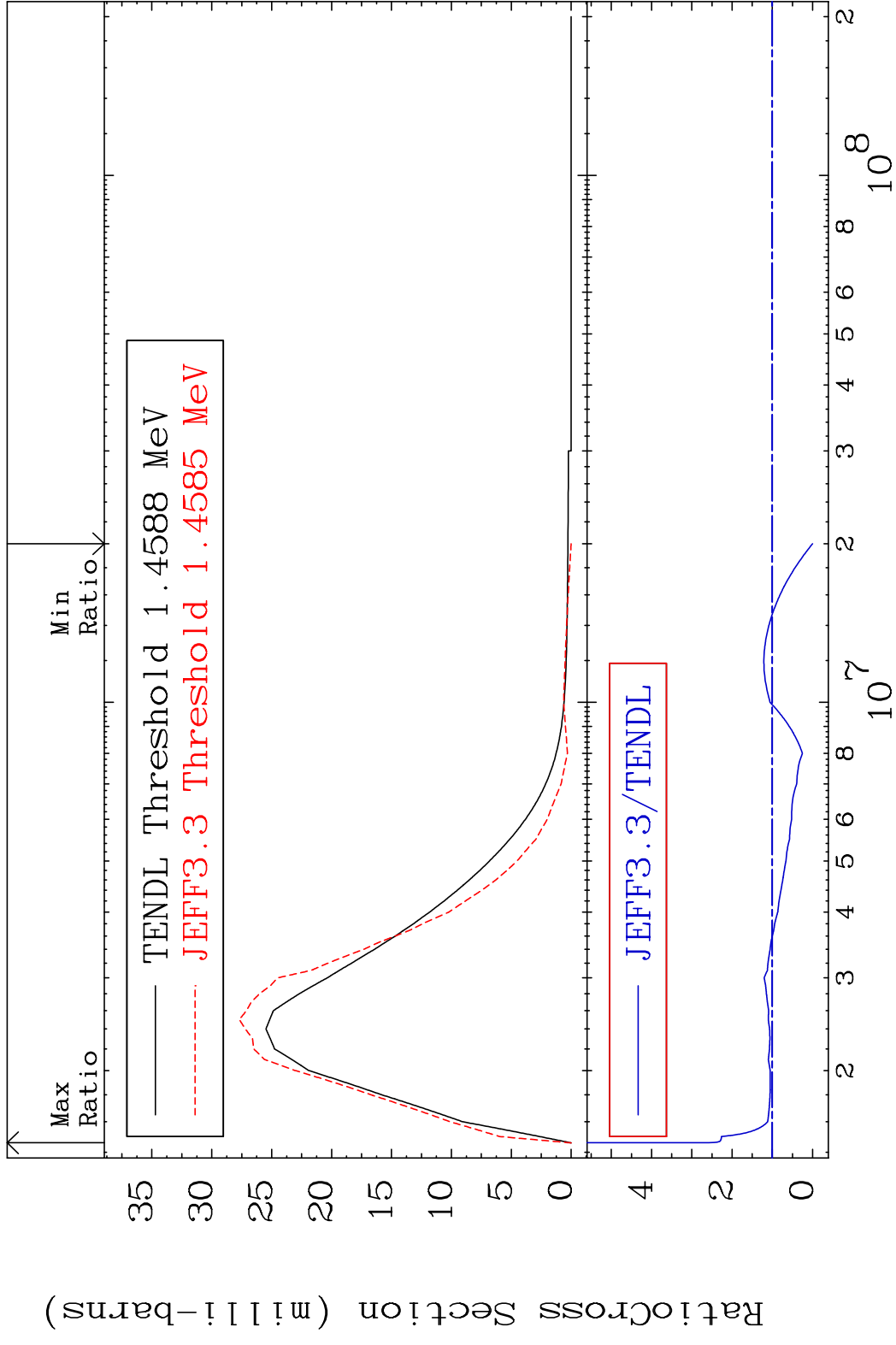


10 Incident Energy (eV) 27-Co-59

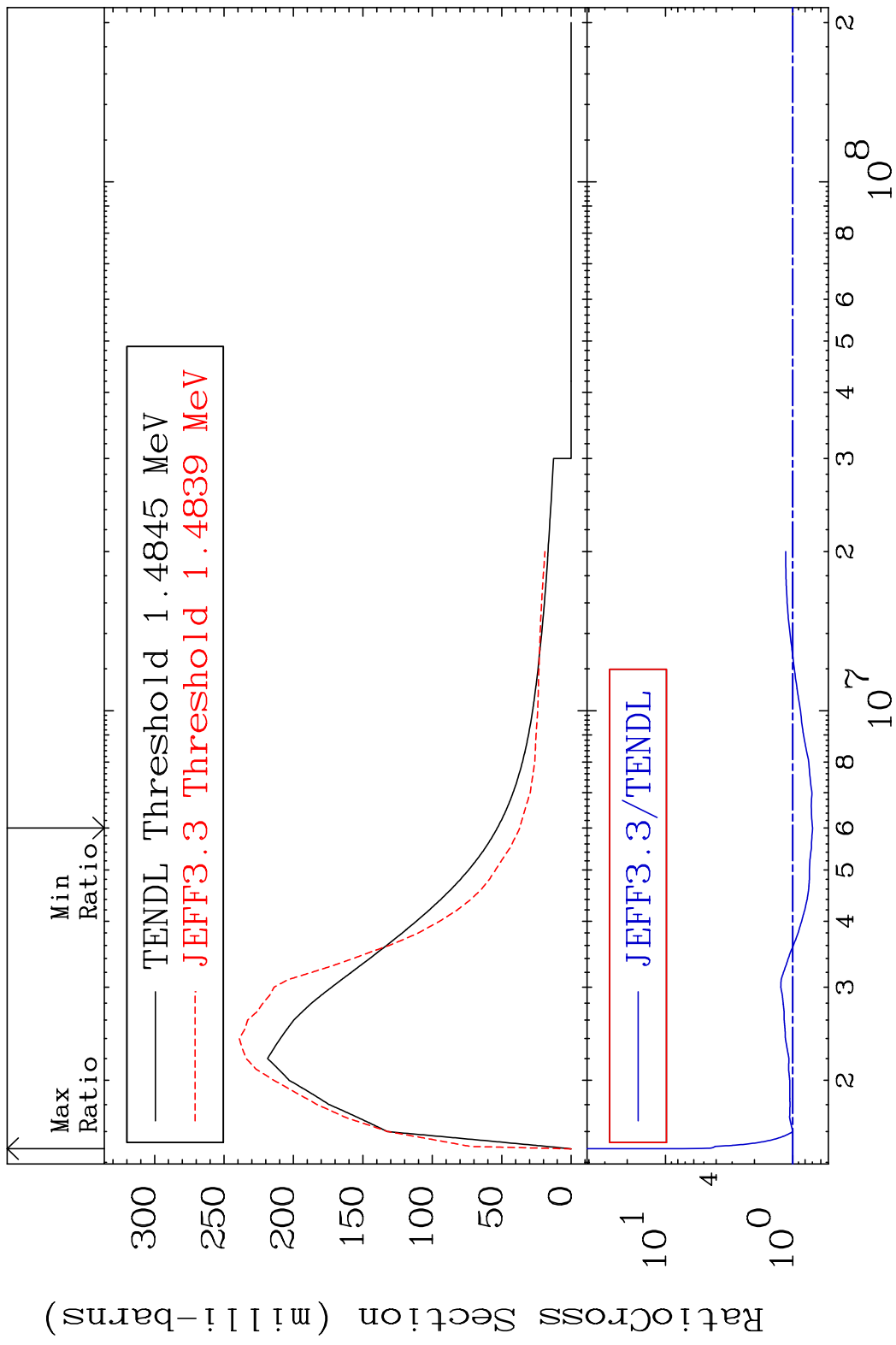
MAT 2725 MT= 53 (n, n') Level 27-Co-59
 Cross Section -100.0 To 11.27 %



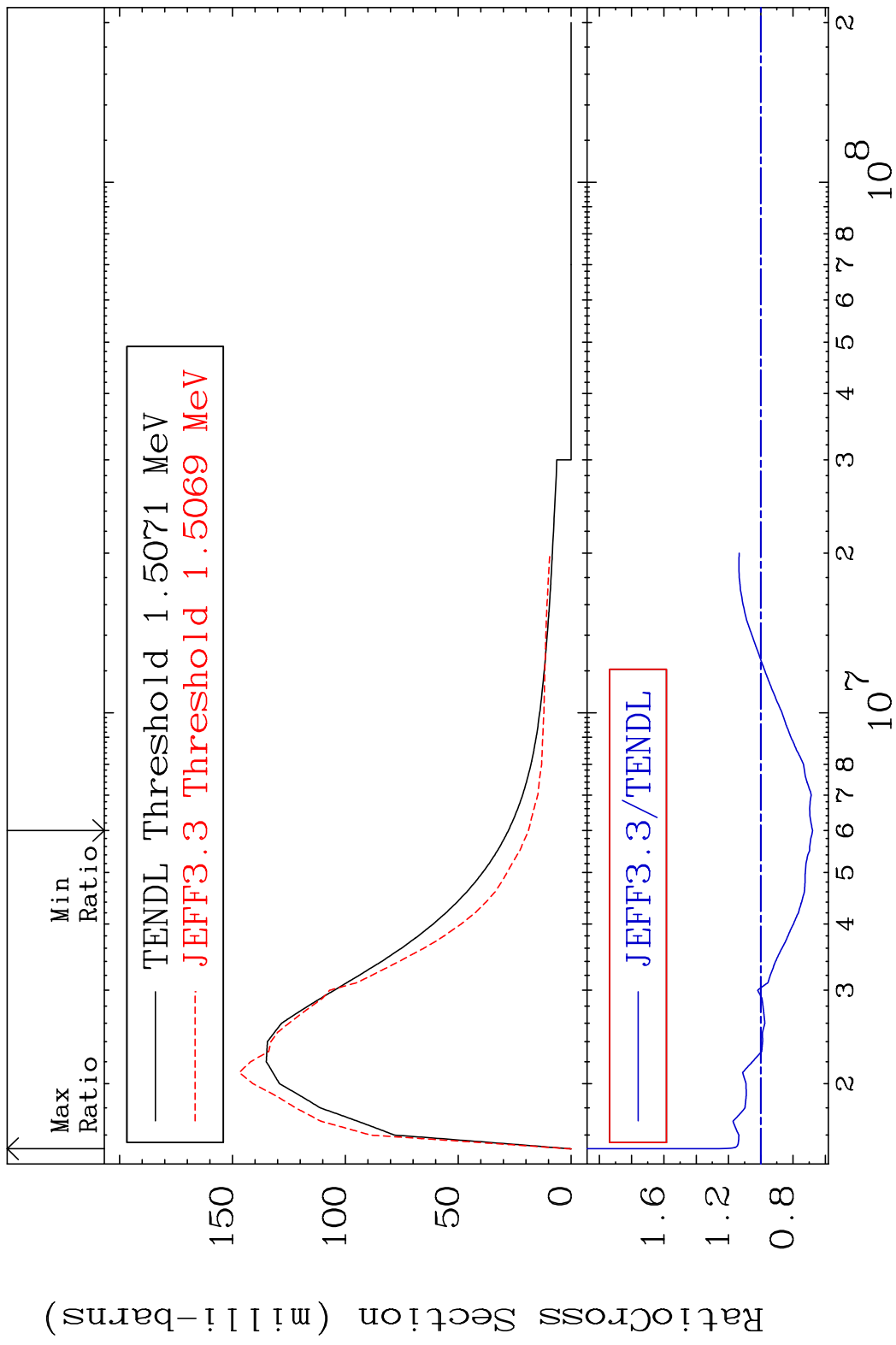
MAT 2725 MT= 54 (n,n') Level 27-Co-59
 Cross Section -100.0 To 223.5 %



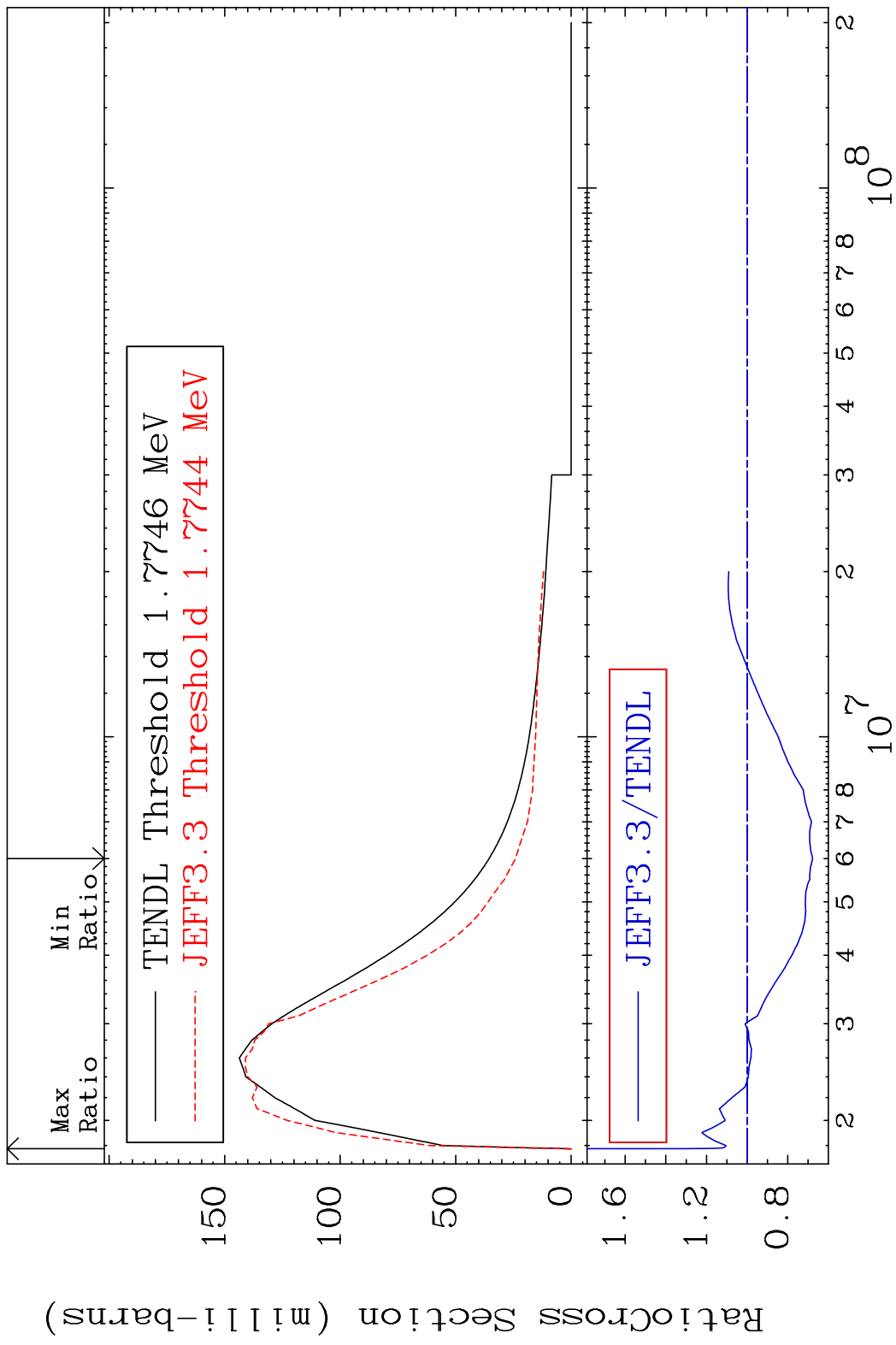
MAT 2725 MT= 55 (n,n') Level 27-Co-59
 Cross Section -30.25 To 637.2 %



MAT 2725 MT= 56 (n,n') Level 27-Co-59
 Cross Section -32.11 To 48.57 %

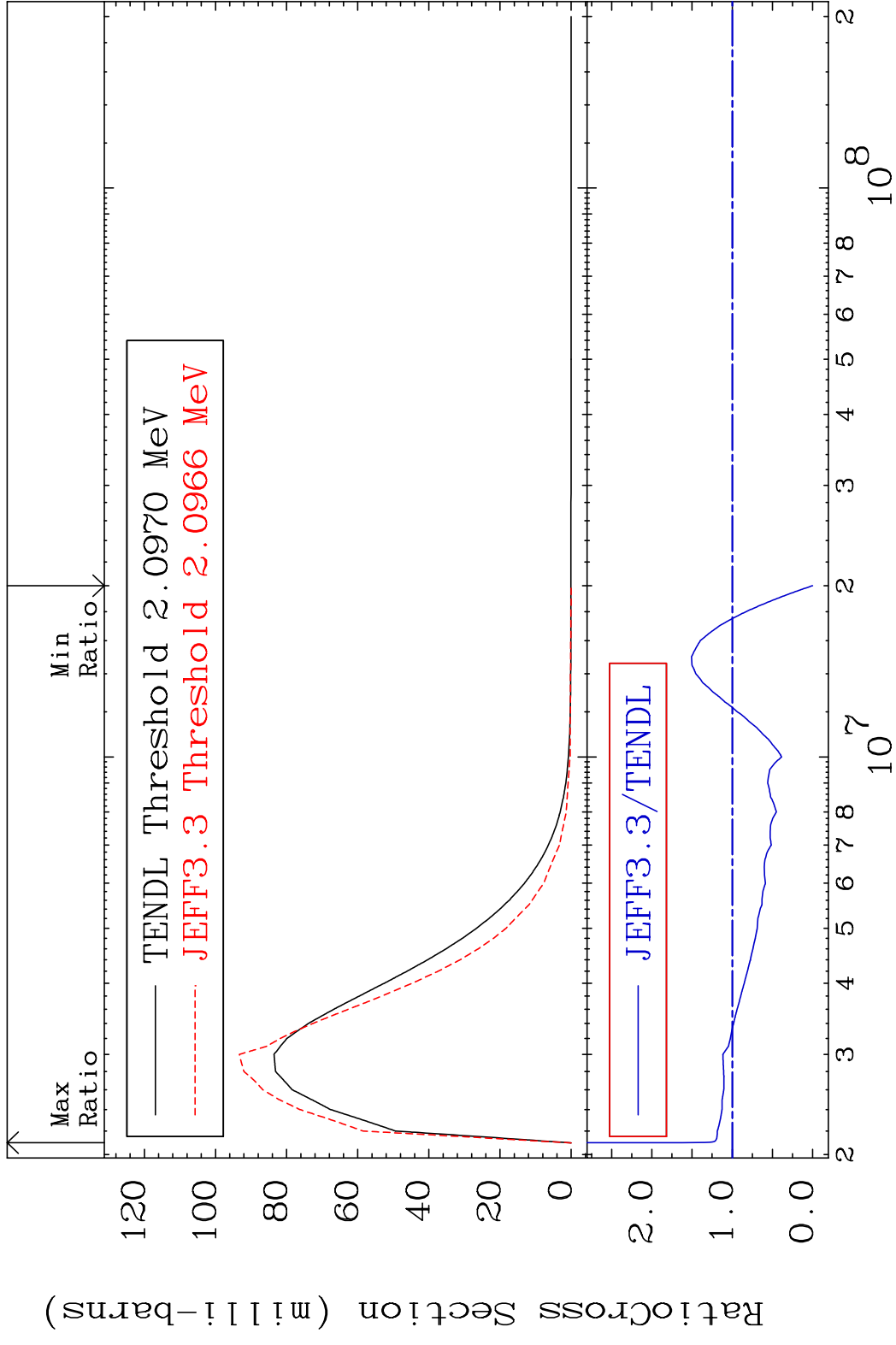


MAT 2725 MT= 57 (n, n') Level 27-Co-59
 Cross Section -32.17 To 31.87 %

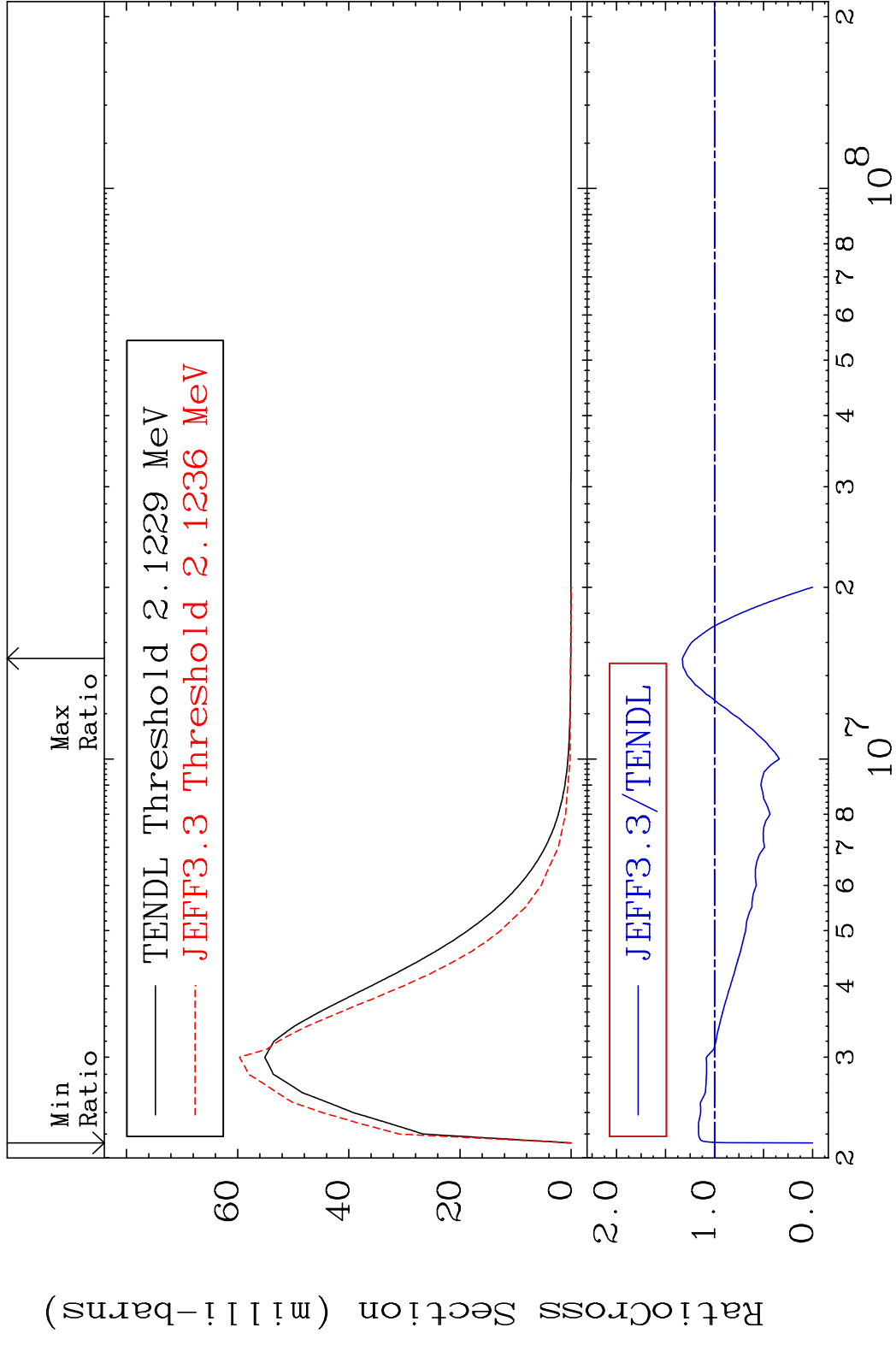


15 Incident Energy (eV) 27-Co-59

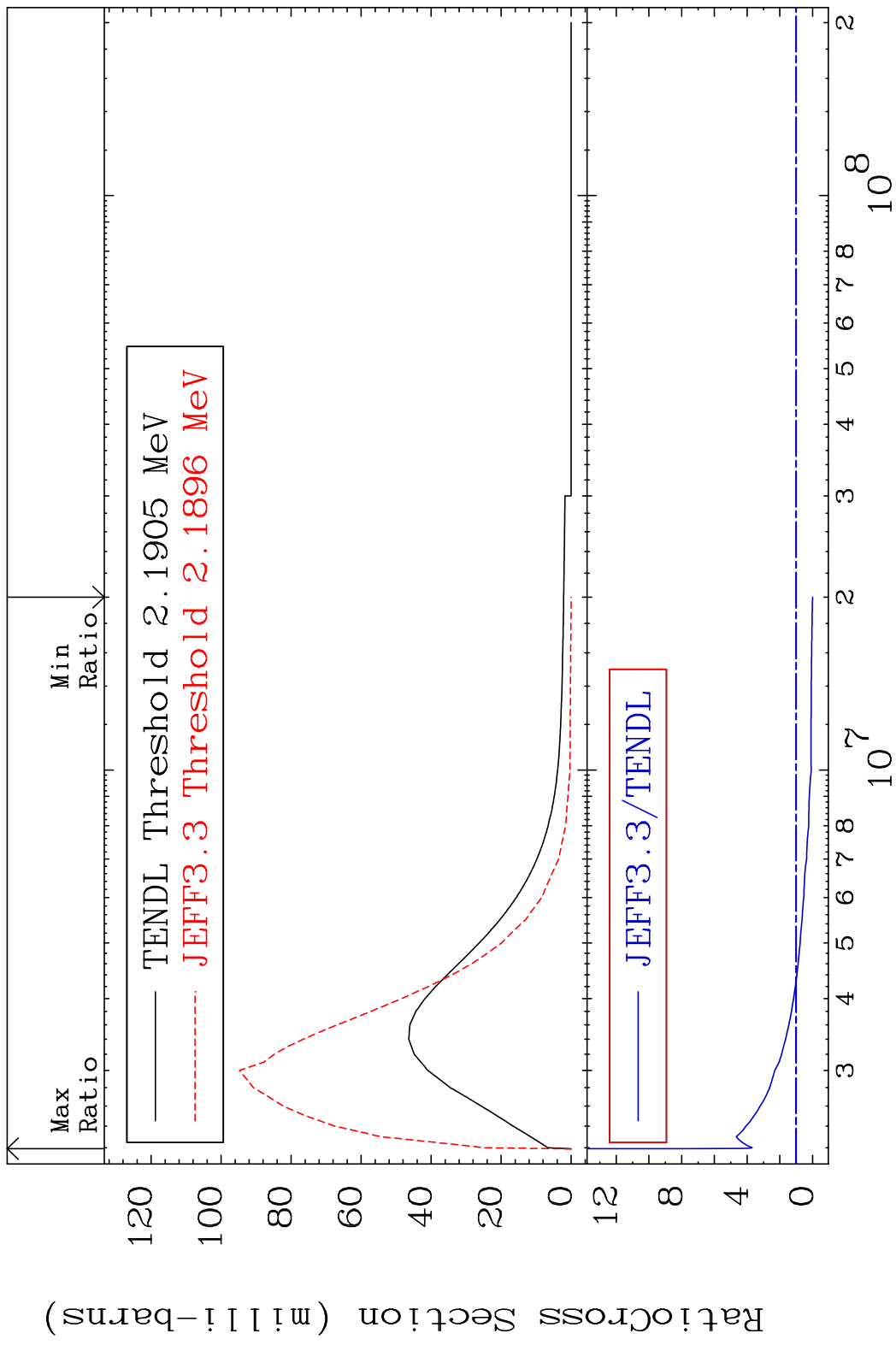
MAT 2725 MT= 58 (n, n') Level 27-Co-59
 Cross Section -100.0 To 62.09 %



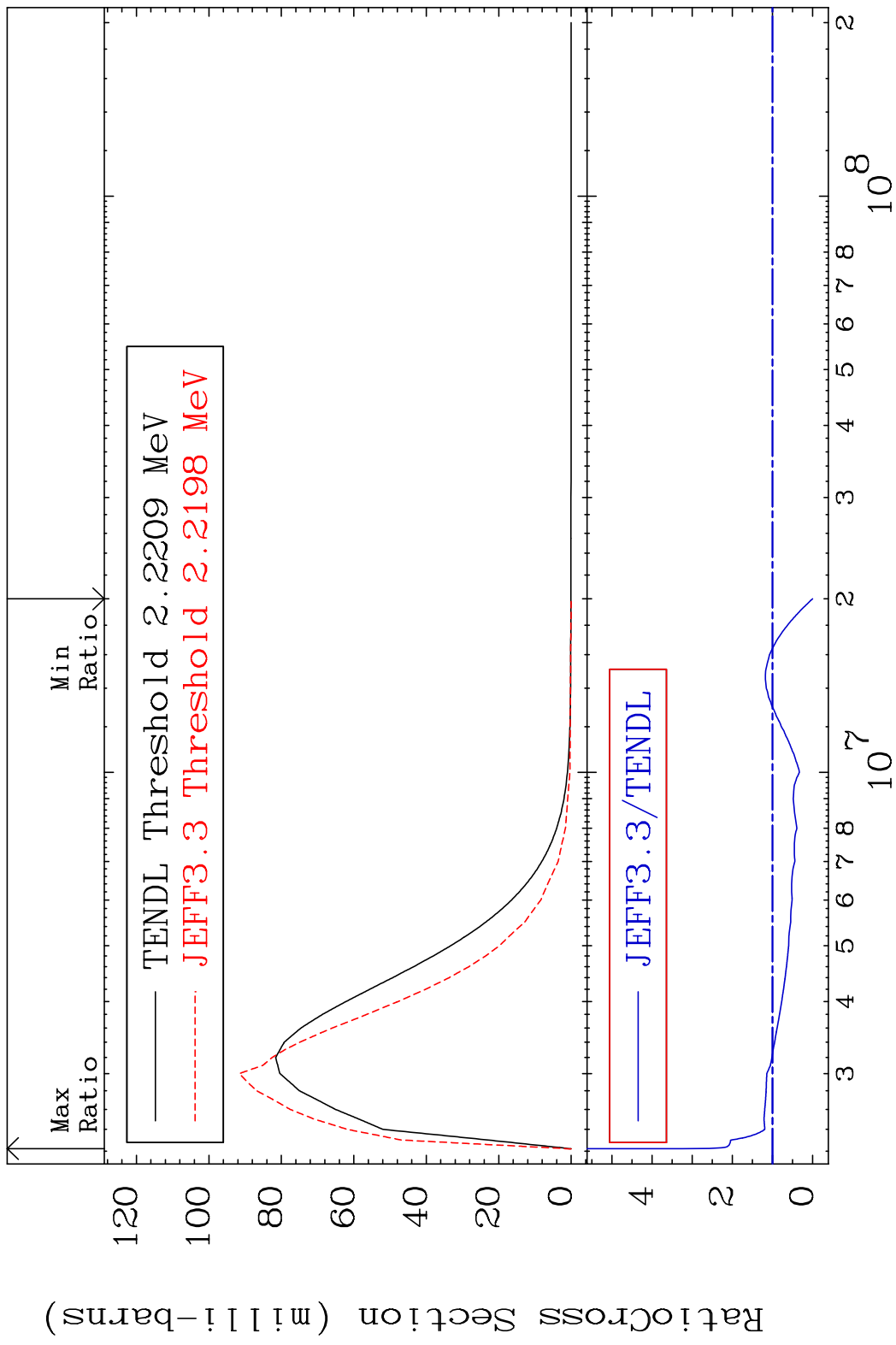
MAT 2725 MT= 59 (n, n') Level 27-Co-59
 Cross Section -100.0 To 32.86 %



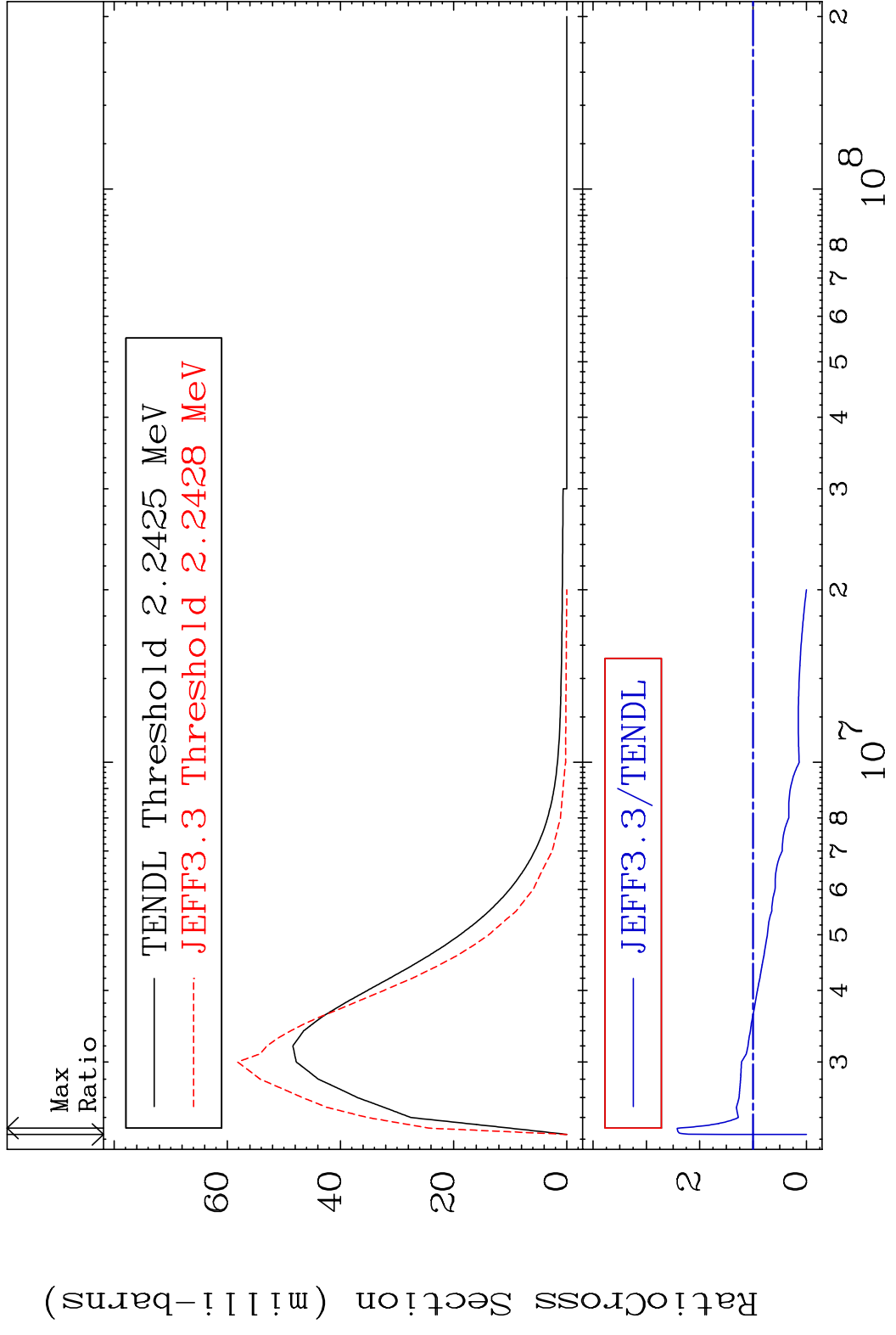
MAT 2725 MT= 60 (n, n') Level 27-Co-59
 Cross Section -100.0 To 695.9 %



MAT 2725 MT= 61 (n, n') Level 27-Co-59
 Cross Section -100.0 To 224.5 %

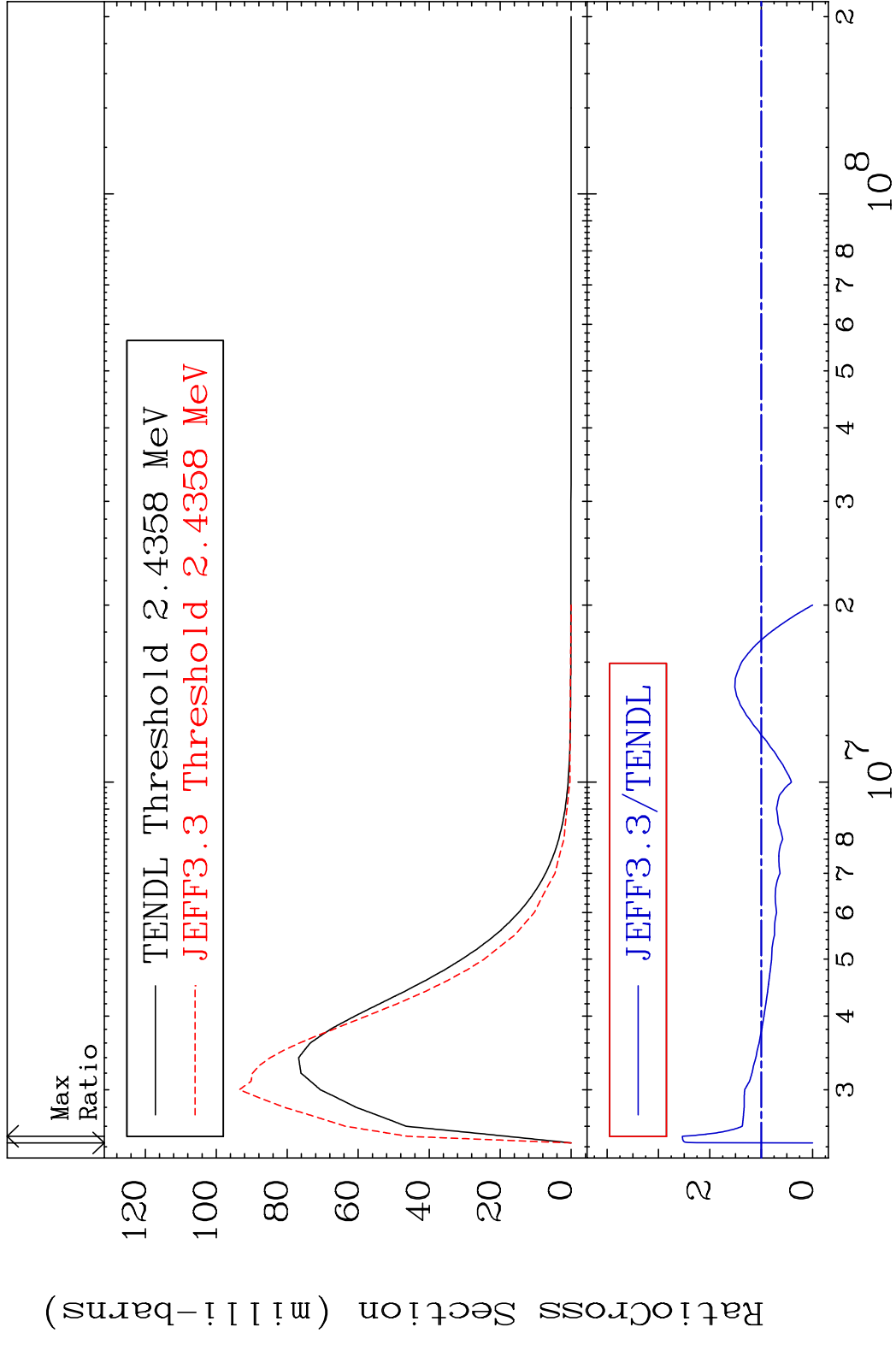


MAT 2725 MT= 62 (n, n') Level 27-Co-59
 Cross Section -100.0 To 142.2 %

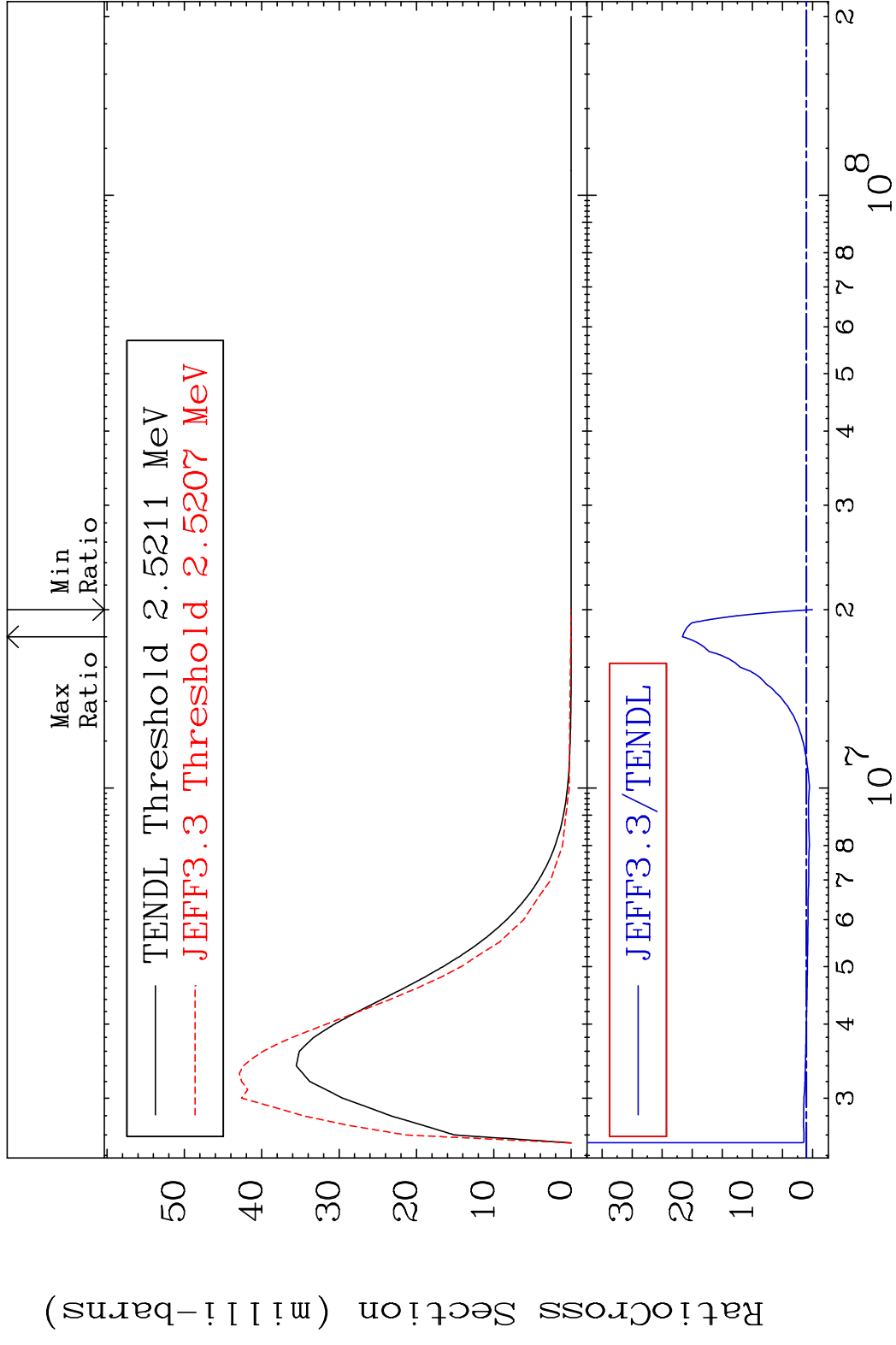


20 27-Co-59

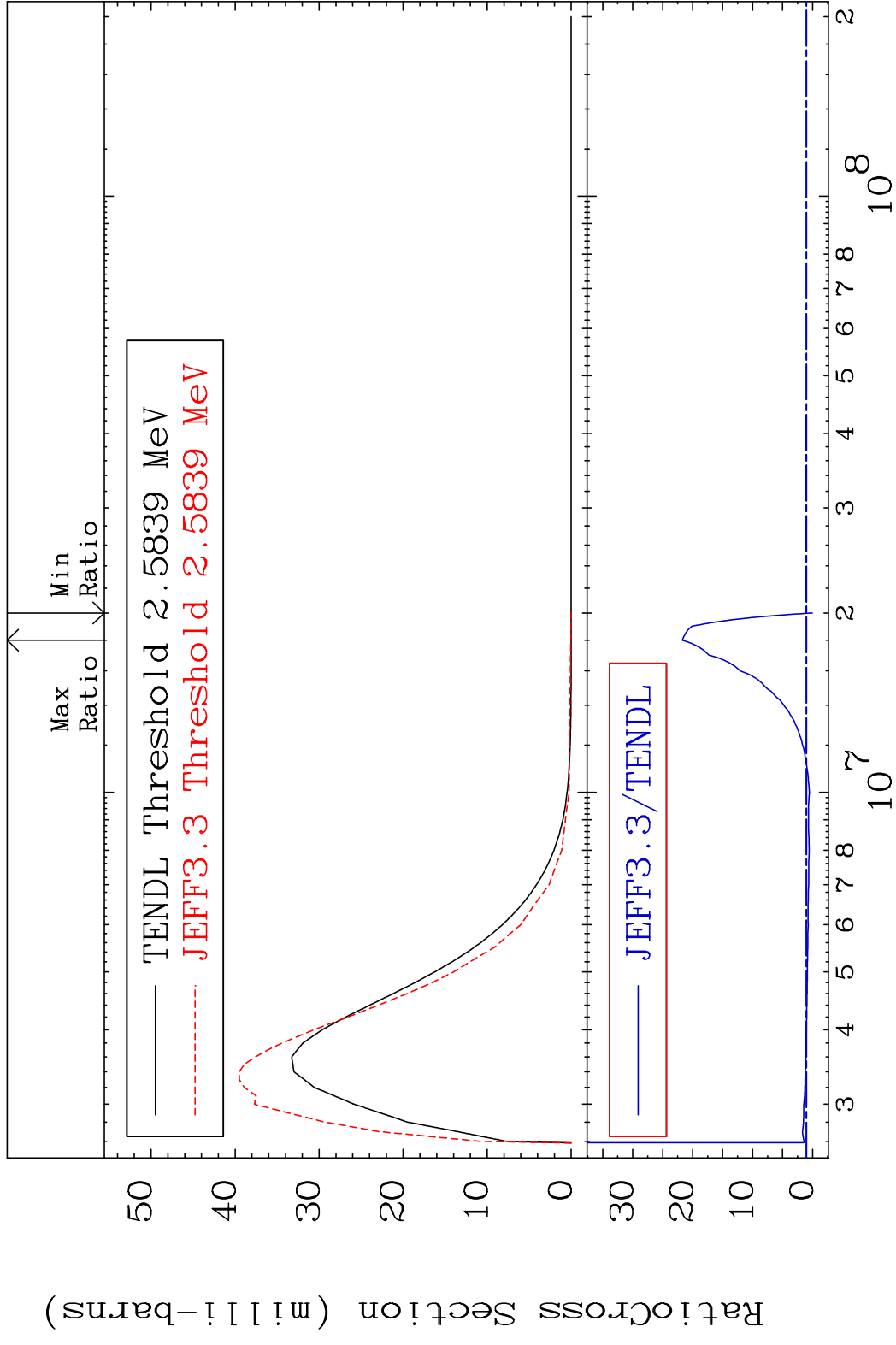
MAT 2725 MT= 63 (n, n') Level 27-Co-59
 Cross Section -100.0 To 153.5 %



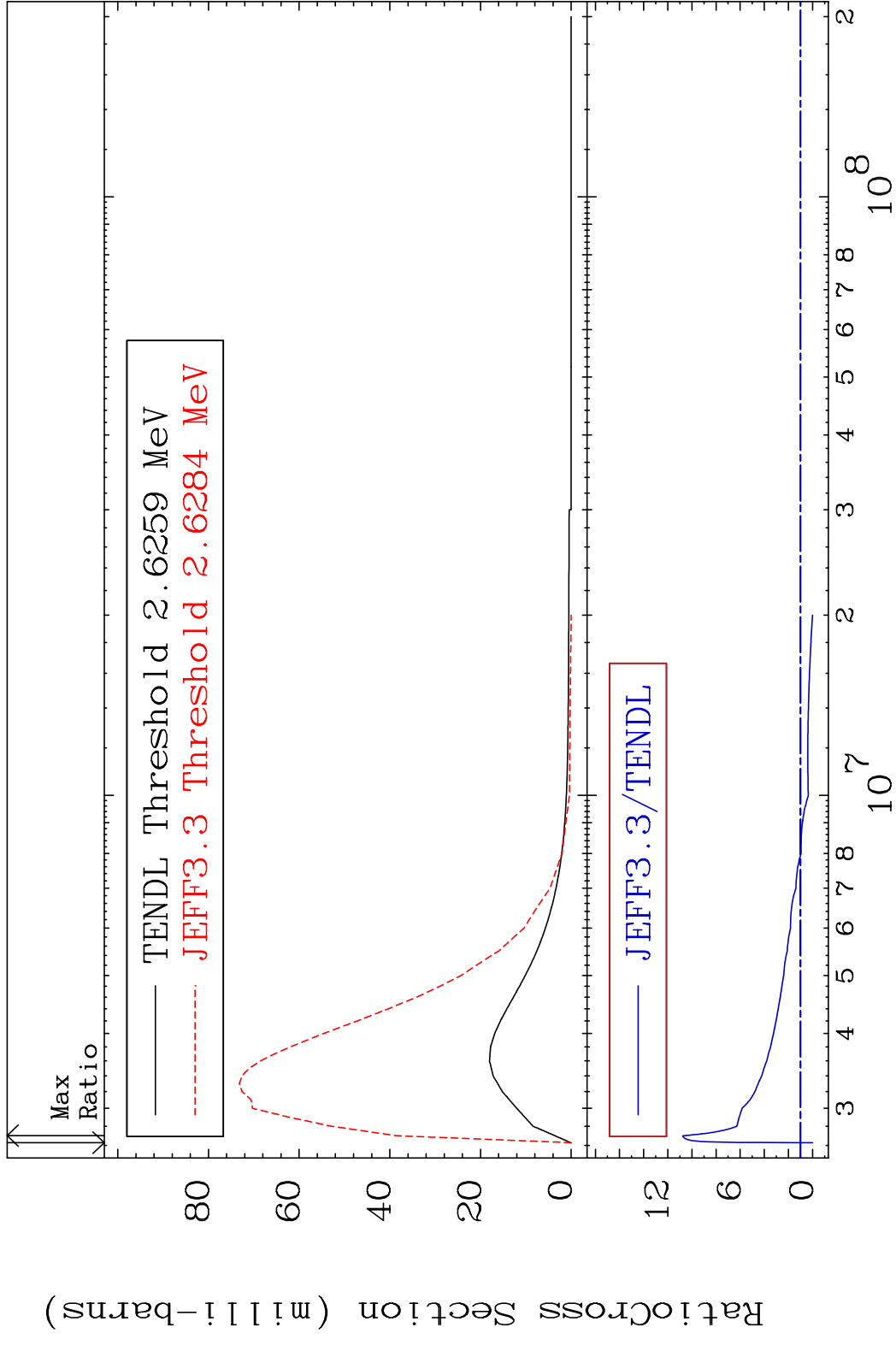
MAT 2725 MT= 64 (n, n') Level 27-Co-59
 Cross Section -100.0 To 2065. %



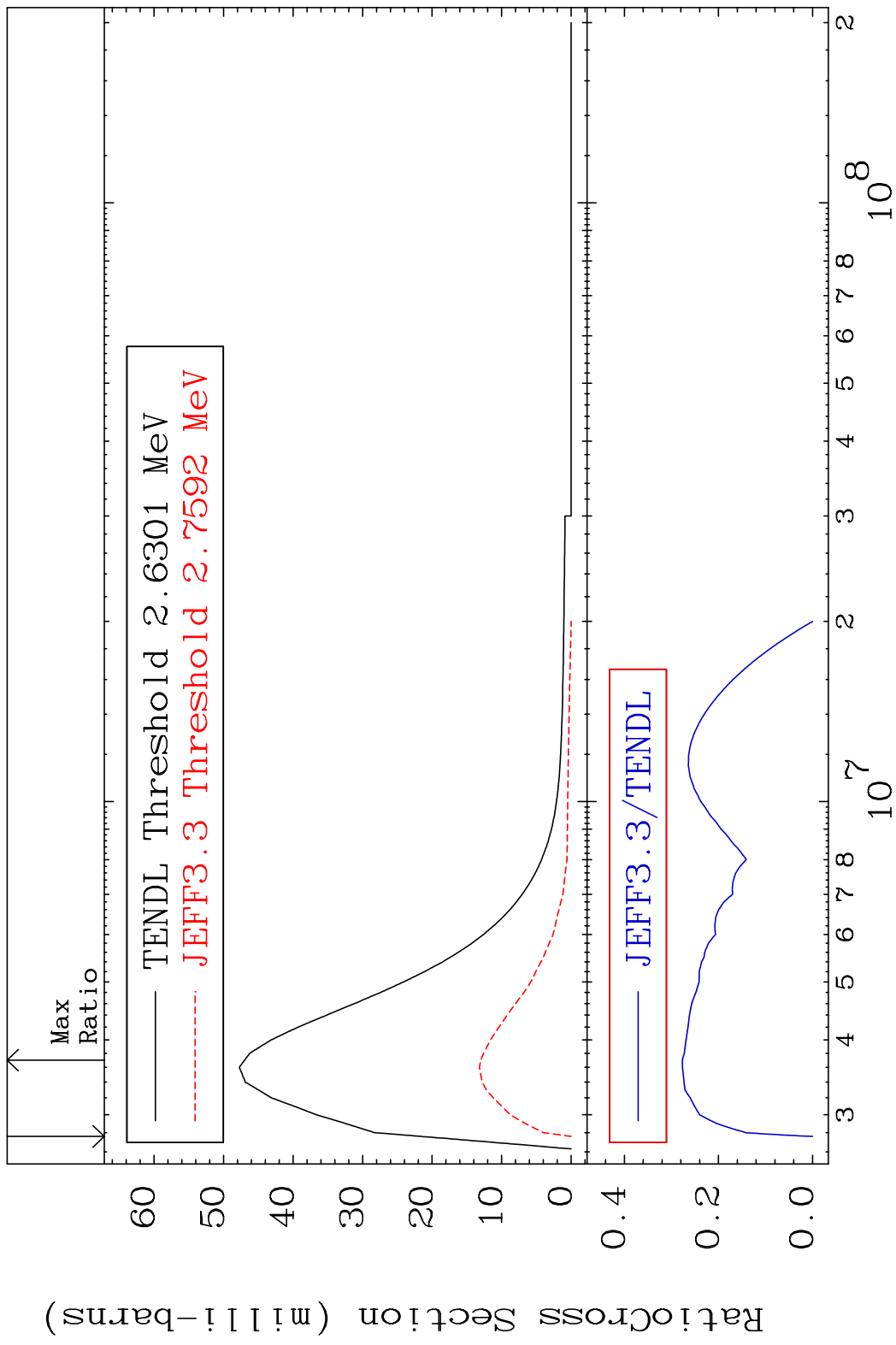
MAT 2725 MT= 65 (n, n') Level 27-Co-59
 Cross Section -100.0 To 2072. %



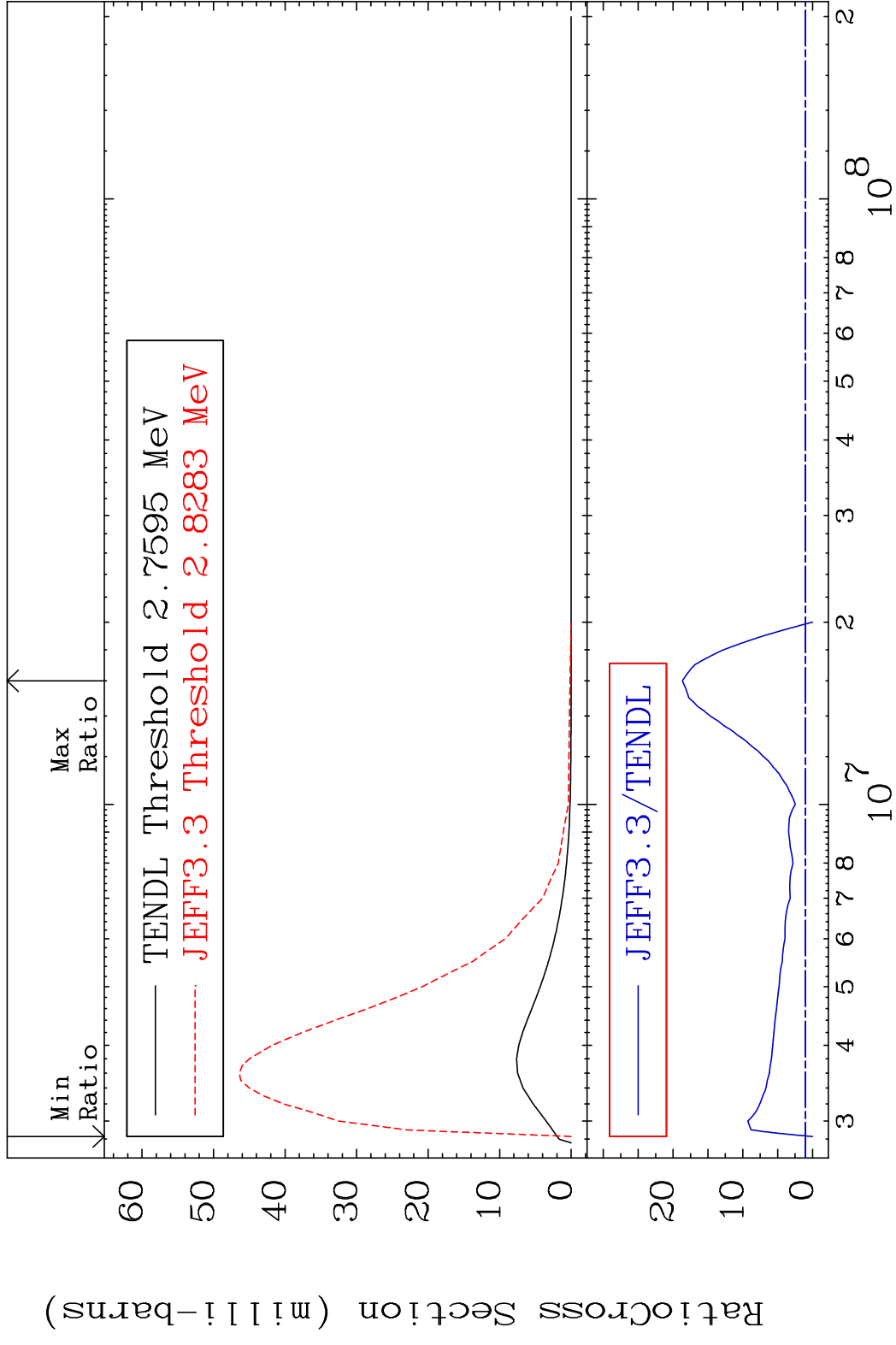
MAT 2725 MT= 66 (n, n') Level 27-Co-59
 Cross Section -100.0 To 979.2 %



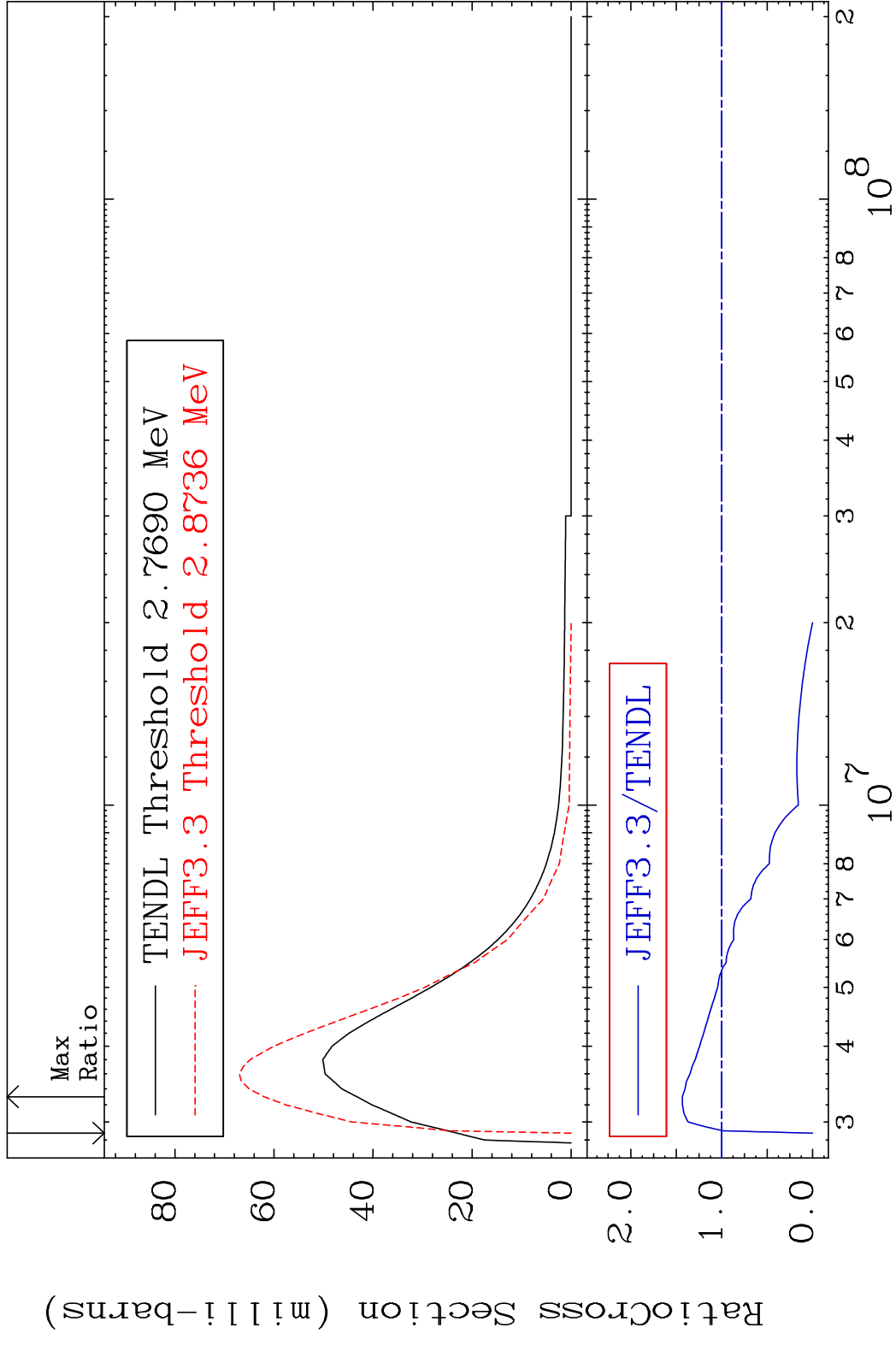
MAT 2725 MT= 67 (n, n') Level 27-Co-59
 Cross Section -100.0 To -72.32%



MAT 2725 MT= 68 (n,n') Level 27-Co-59
 Cross Section -100.0 To 1767. %



MAT 2725 MT= 69 (n, n') Level 27-Co-59
 Cross Section -100.0 To 43.32 %

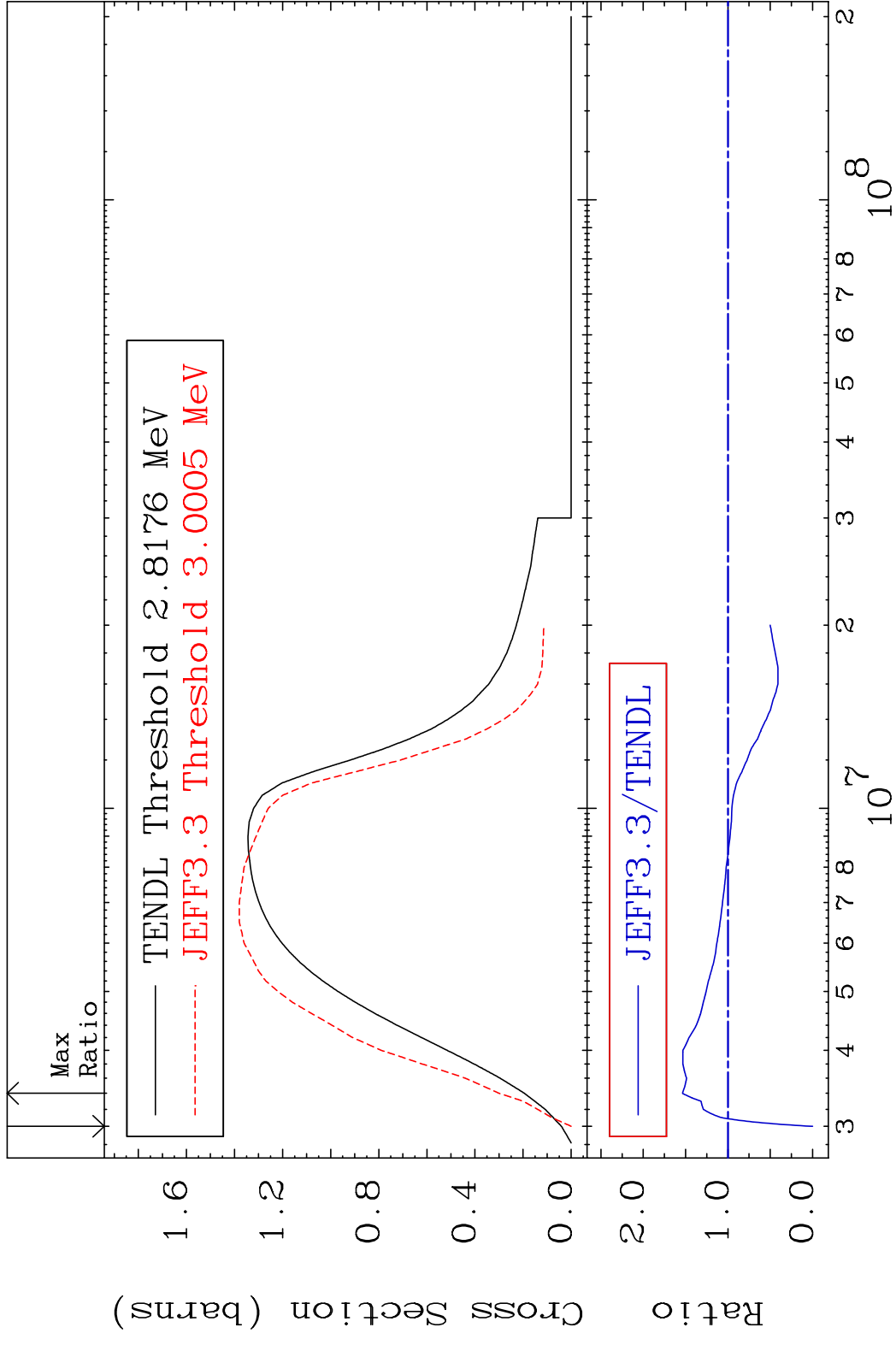


MAT 2725

(n, n') Continuum

27-Co-59

Cross Section -100.0 To 53.82 %

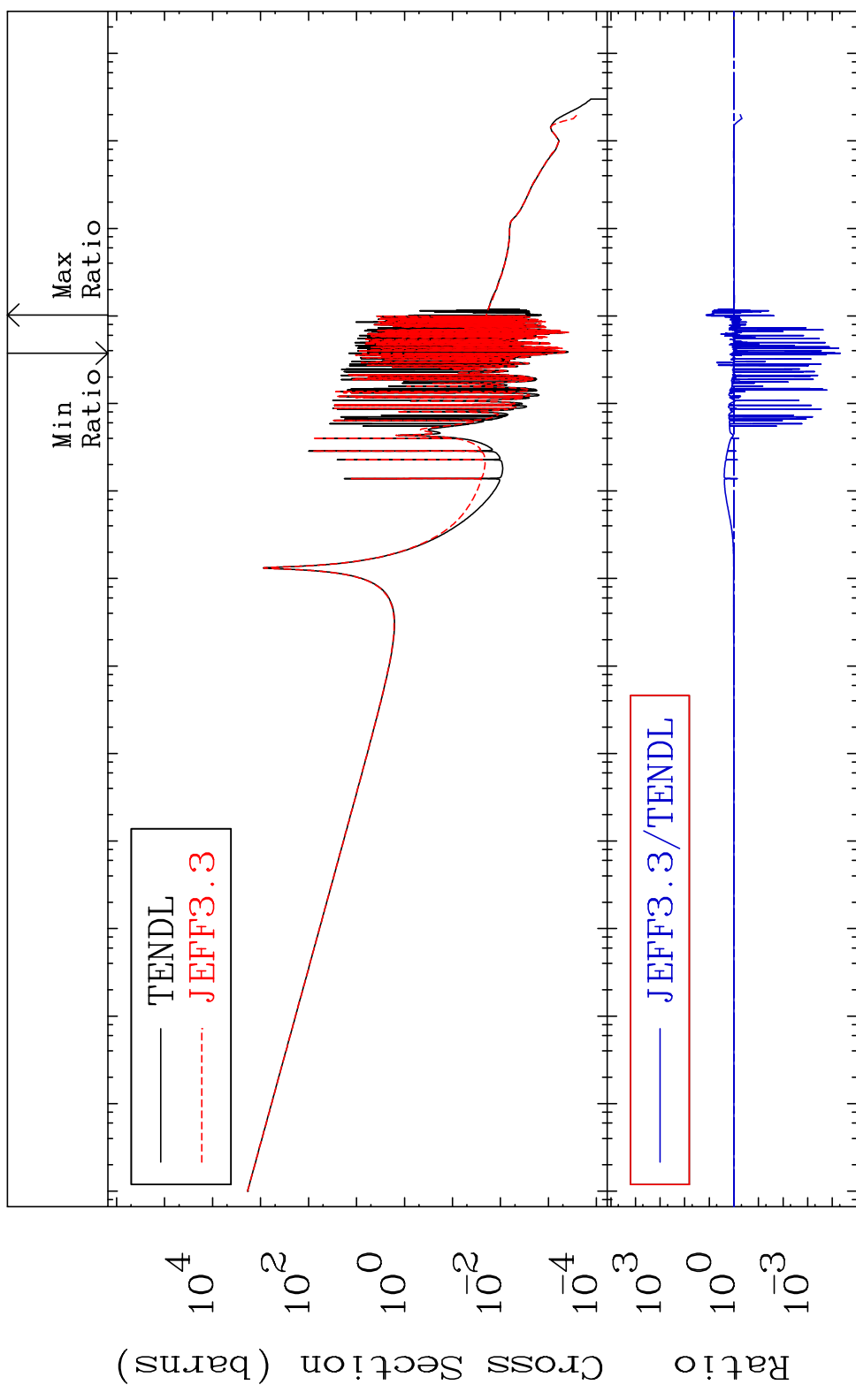


MAT 2725

(n, γ)

27-Co-59

Cross Section -100.0 To 1291. %



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

29

Incident Energy (eV)

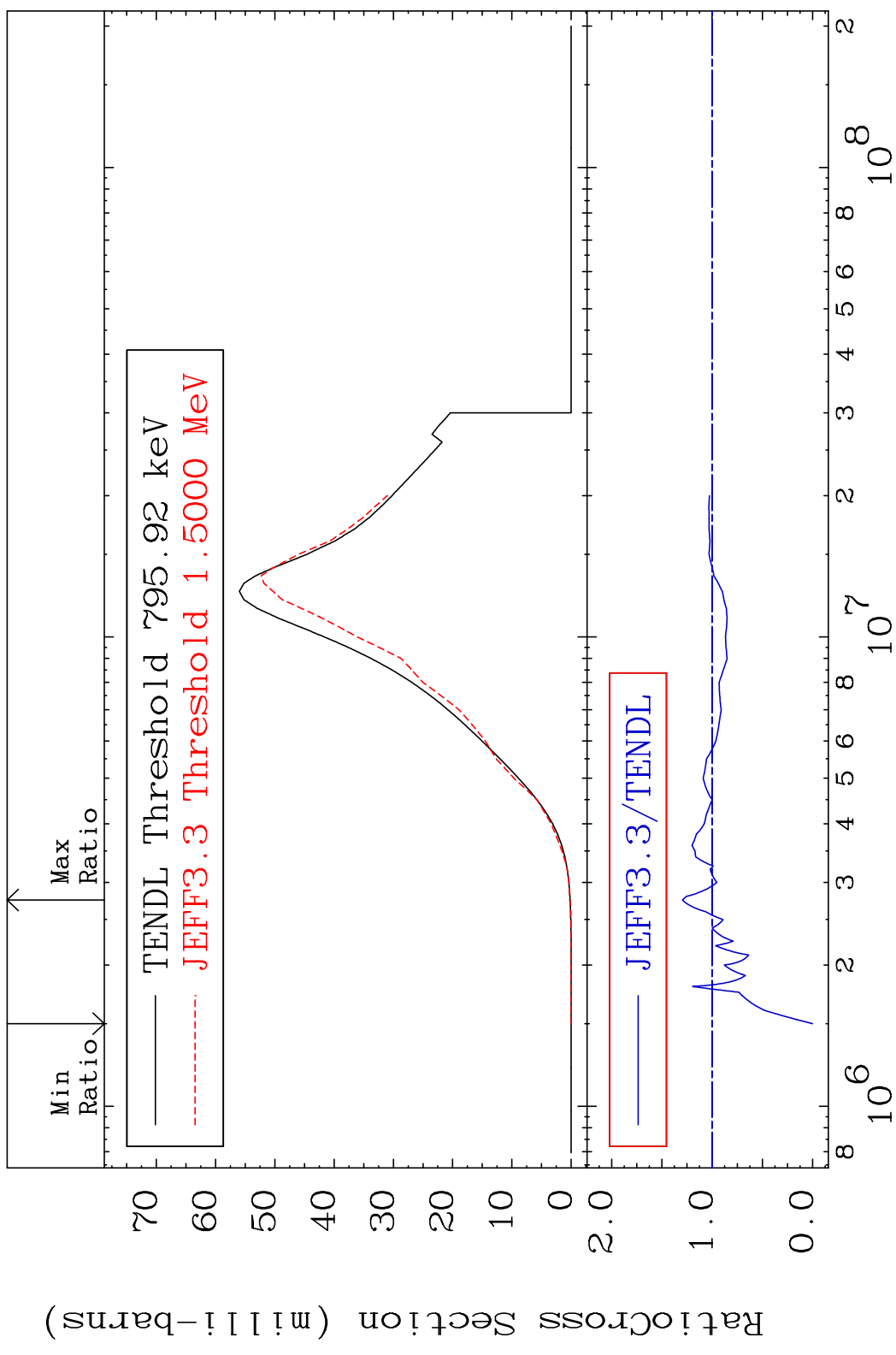
27-Co-59

MAT 2725

(n,p)

27-Co-59

Cross Section -100.0 To 29.66 %

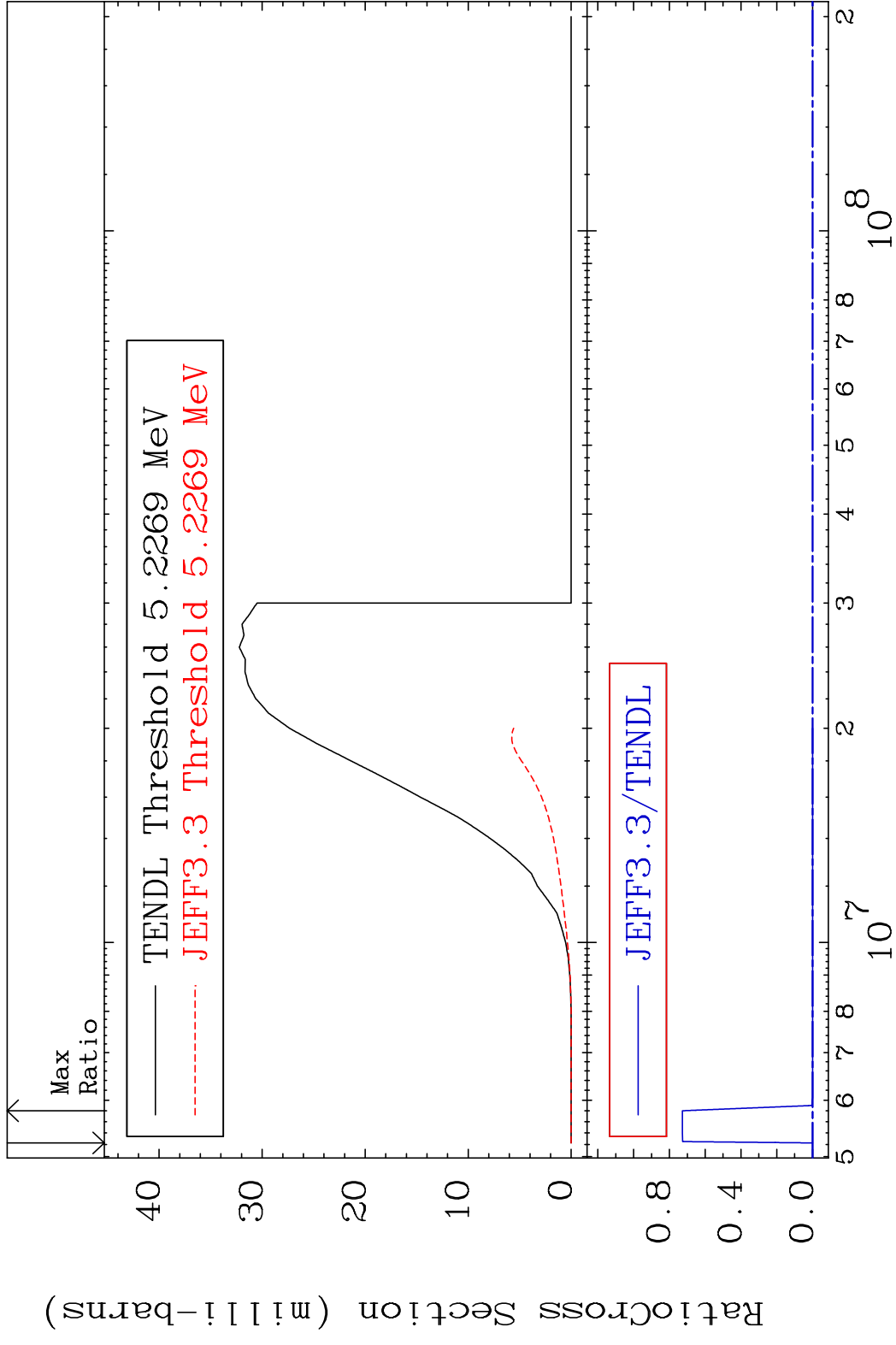


30

Incident Energy (eV)

27-Co-59

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

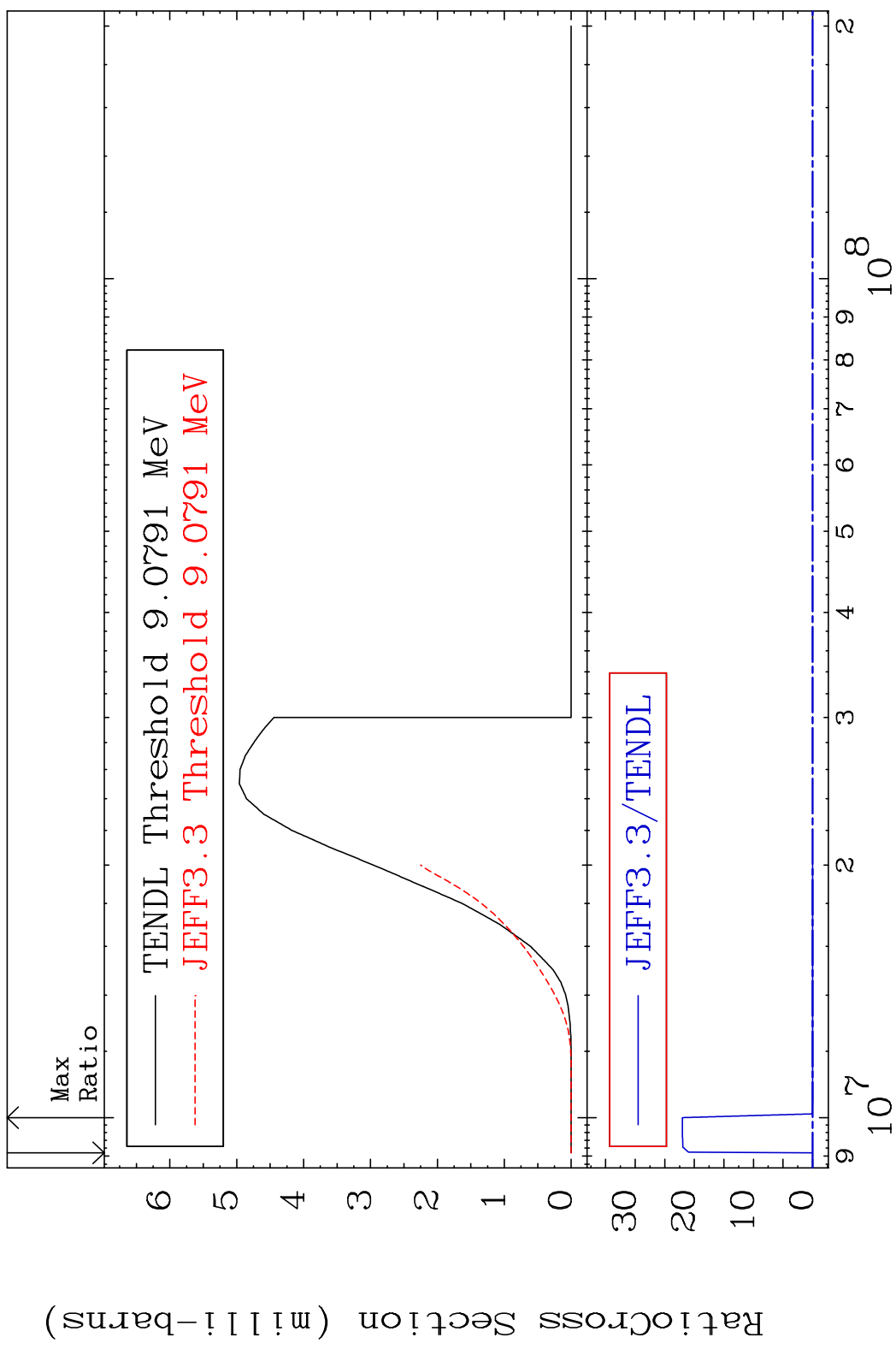


MAT 2725

(n, t)

27-Co-59

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

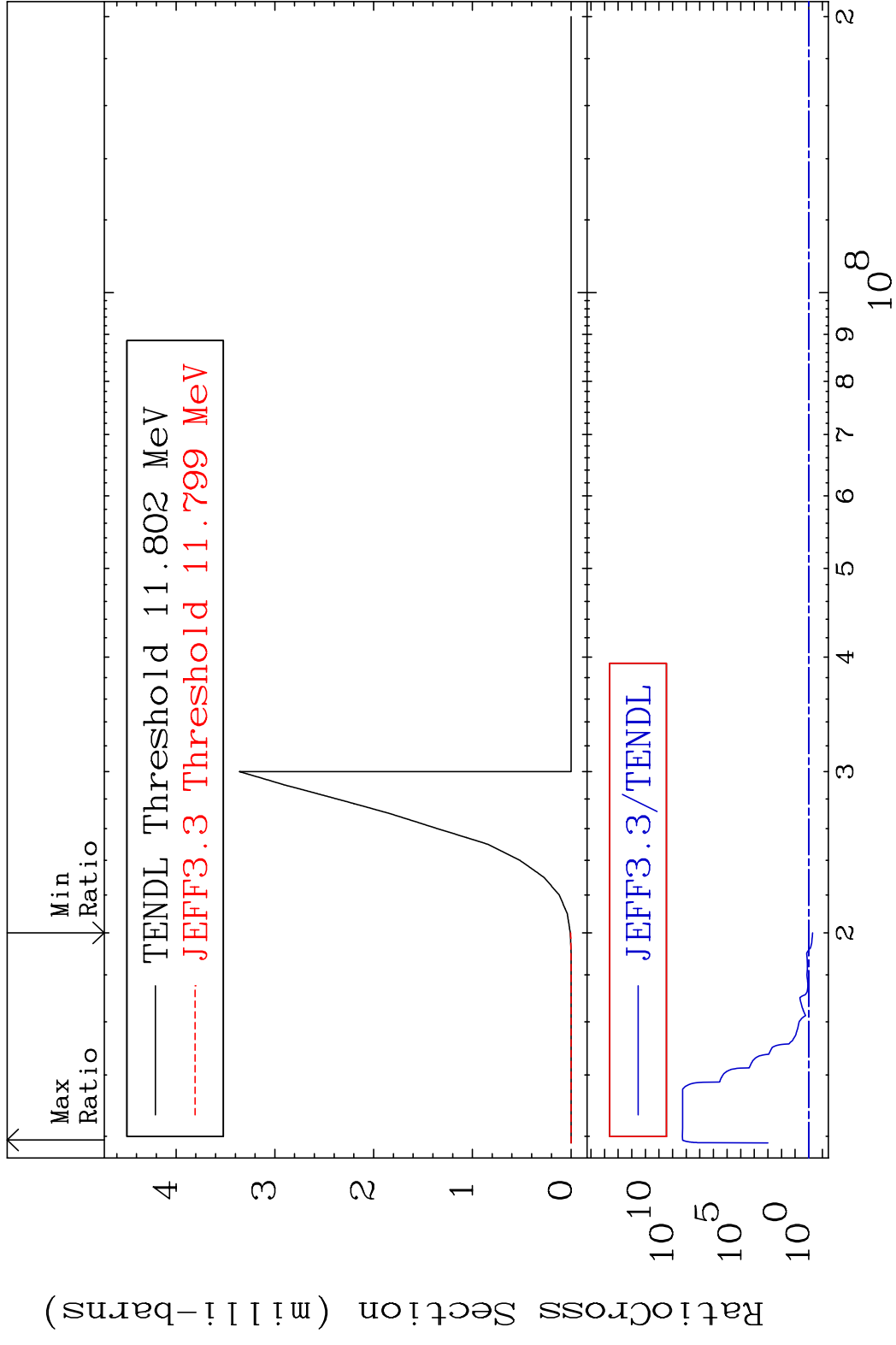
27-Co-59

MAT 2725

(n, He-3)

27-Co-59

Cross Section -47.53 To 9999. %

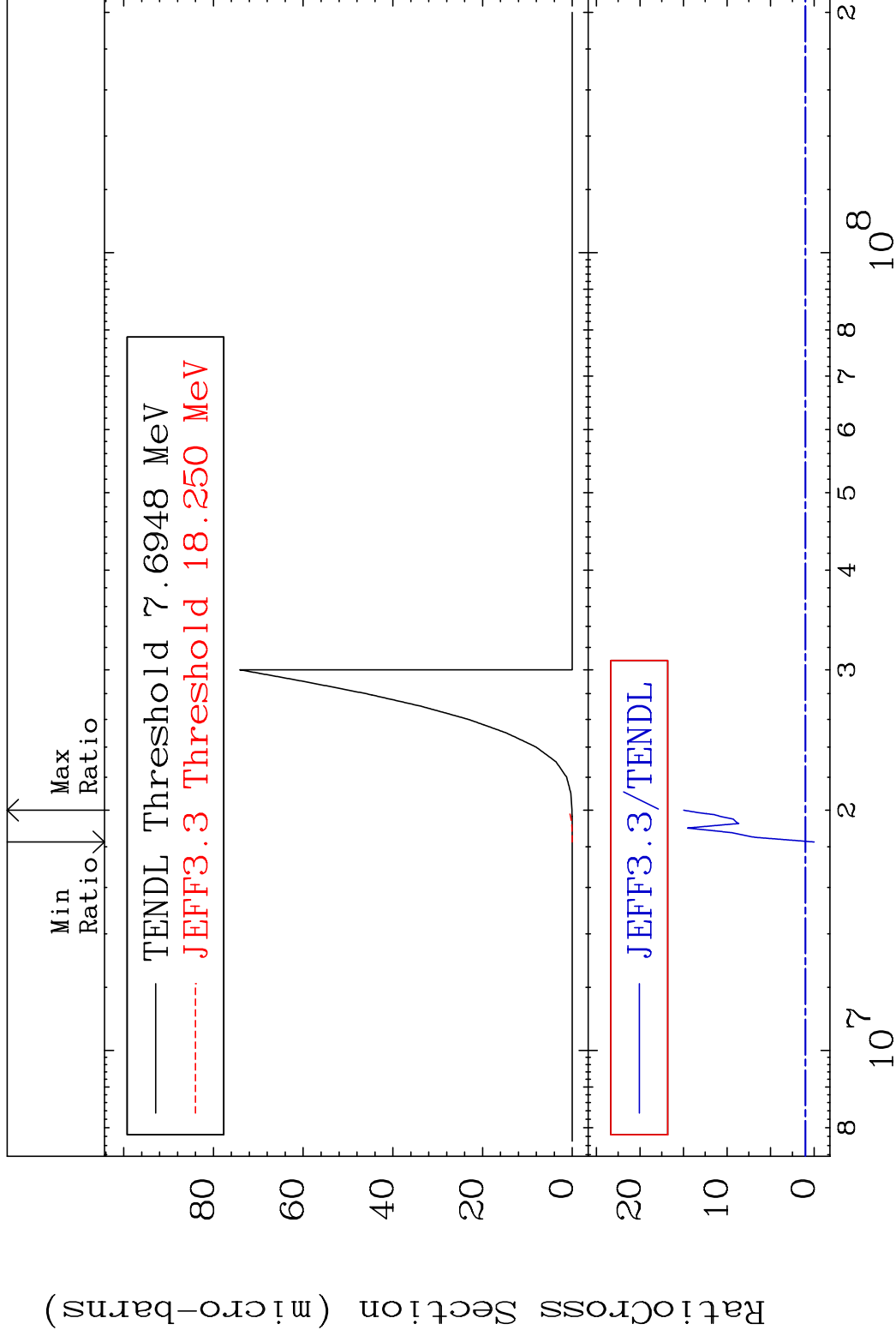


MAT 2725

(n,2α)

27-Co-59

Cross Section -100.0 To 1398. %



35

Incident Energy (eV)

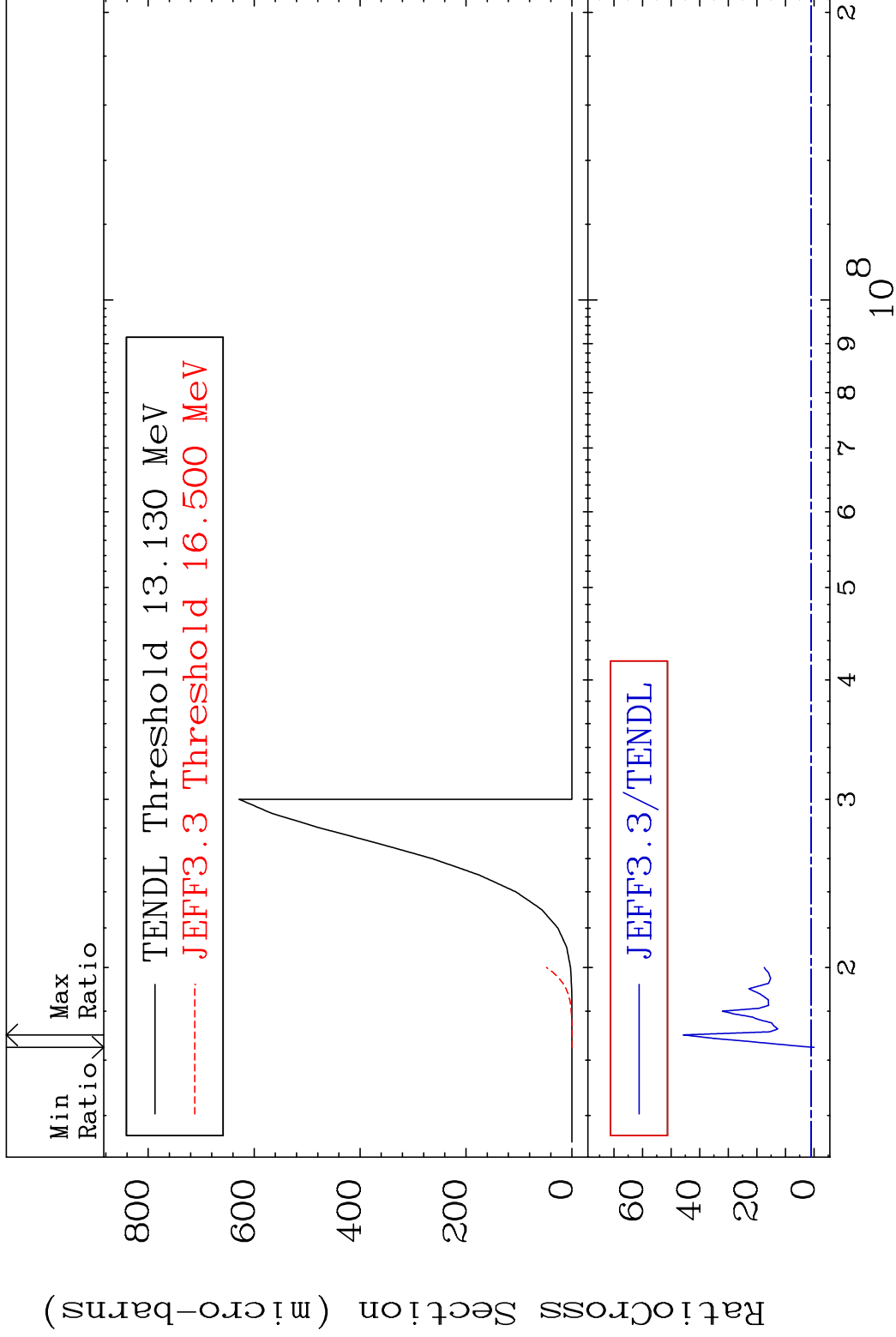
27-Co-59

MAT 2725

(n,2p)

27-Co-59

Cross Section -100.0 To 4468. %



36

Incident Energy (eV)

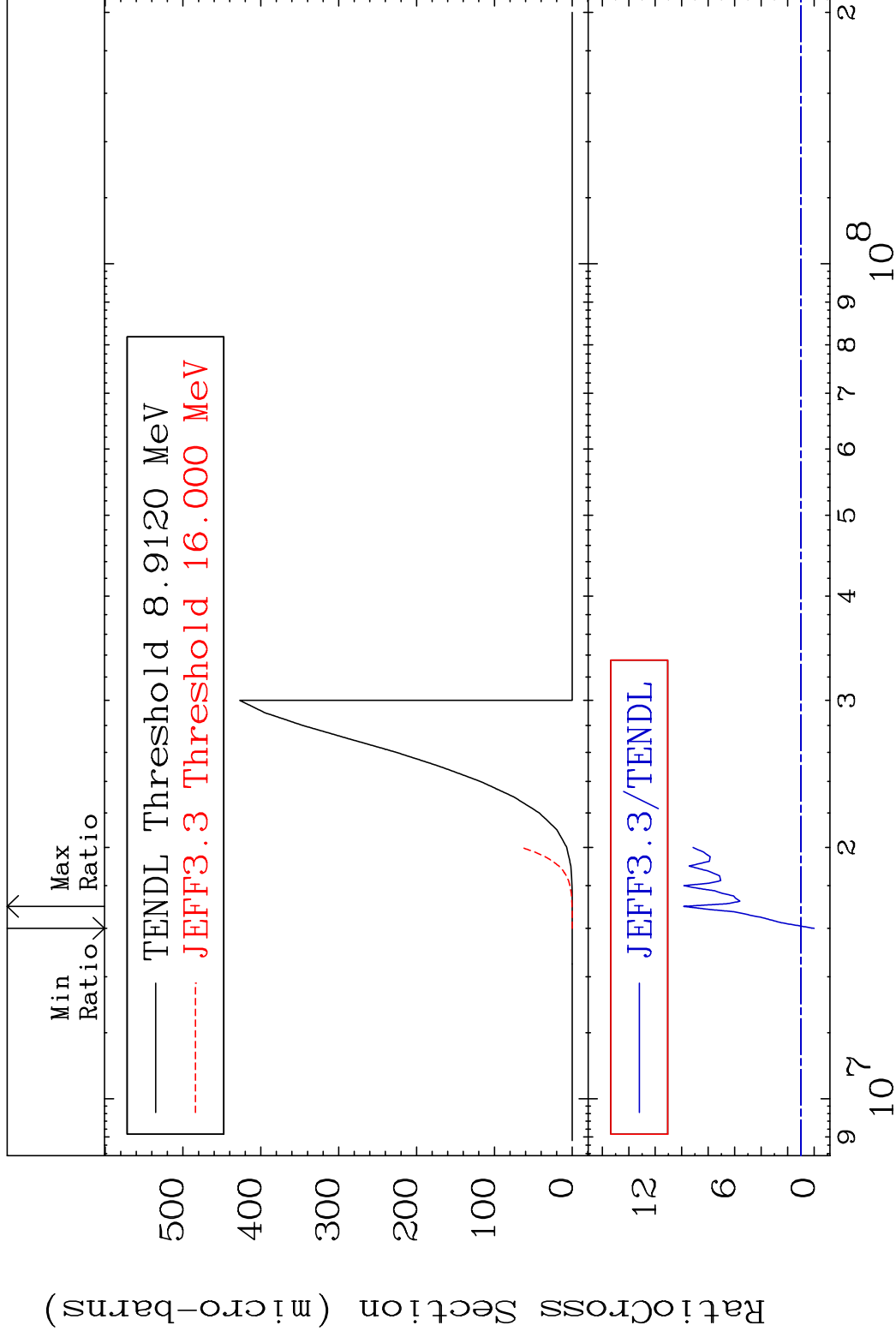
27-Co-59

MAT 2725

(n,p) α

27-Co-59

Cross Section -100.0 To 885.3 %



37

Incident Energy (eV)

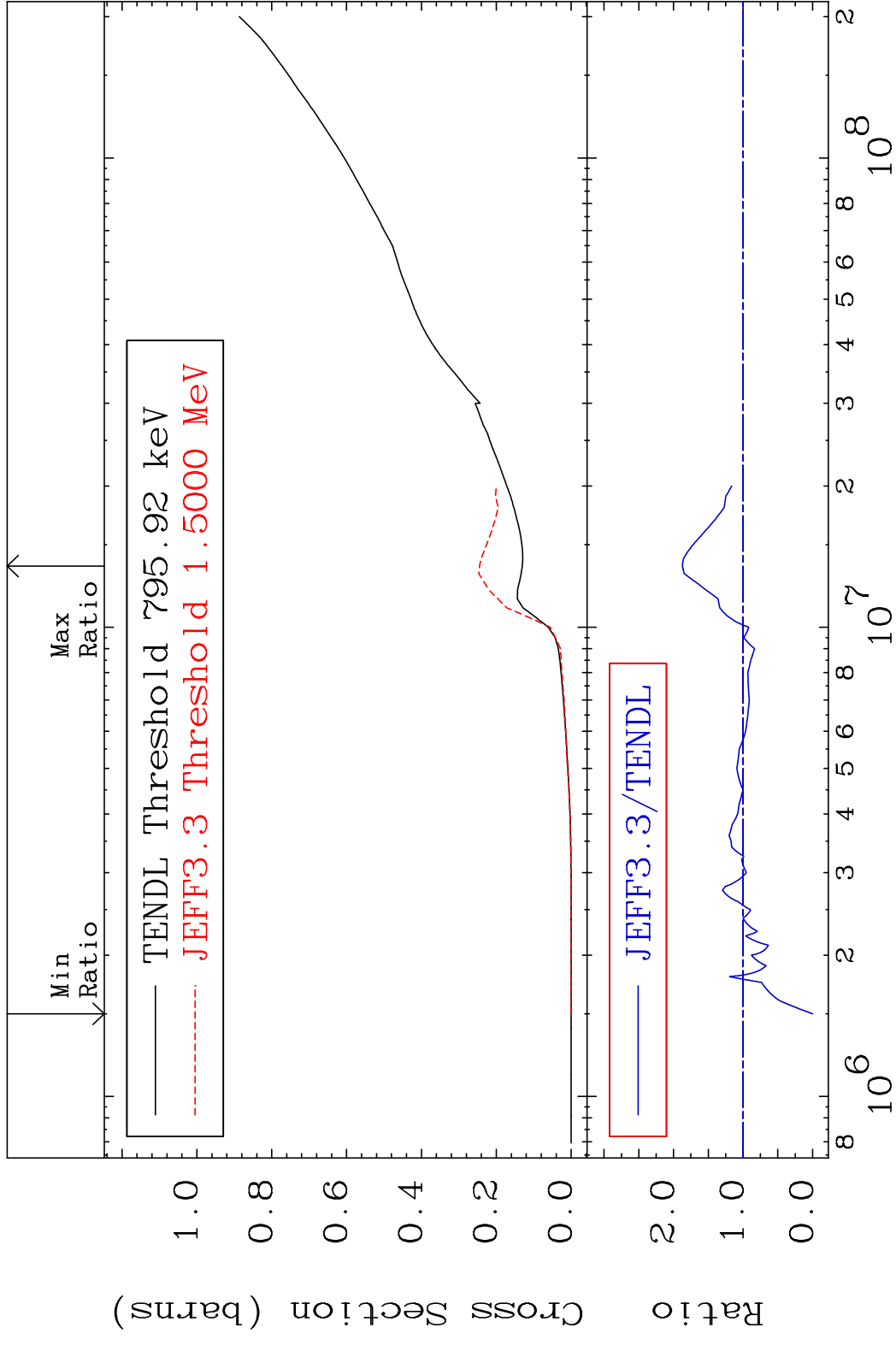
27-Co-59

MAT 2725

Hydrogen Production

²⁷Co-59

Cross Section -100.0 To 87.32 %



38

Incident Energy (eV)

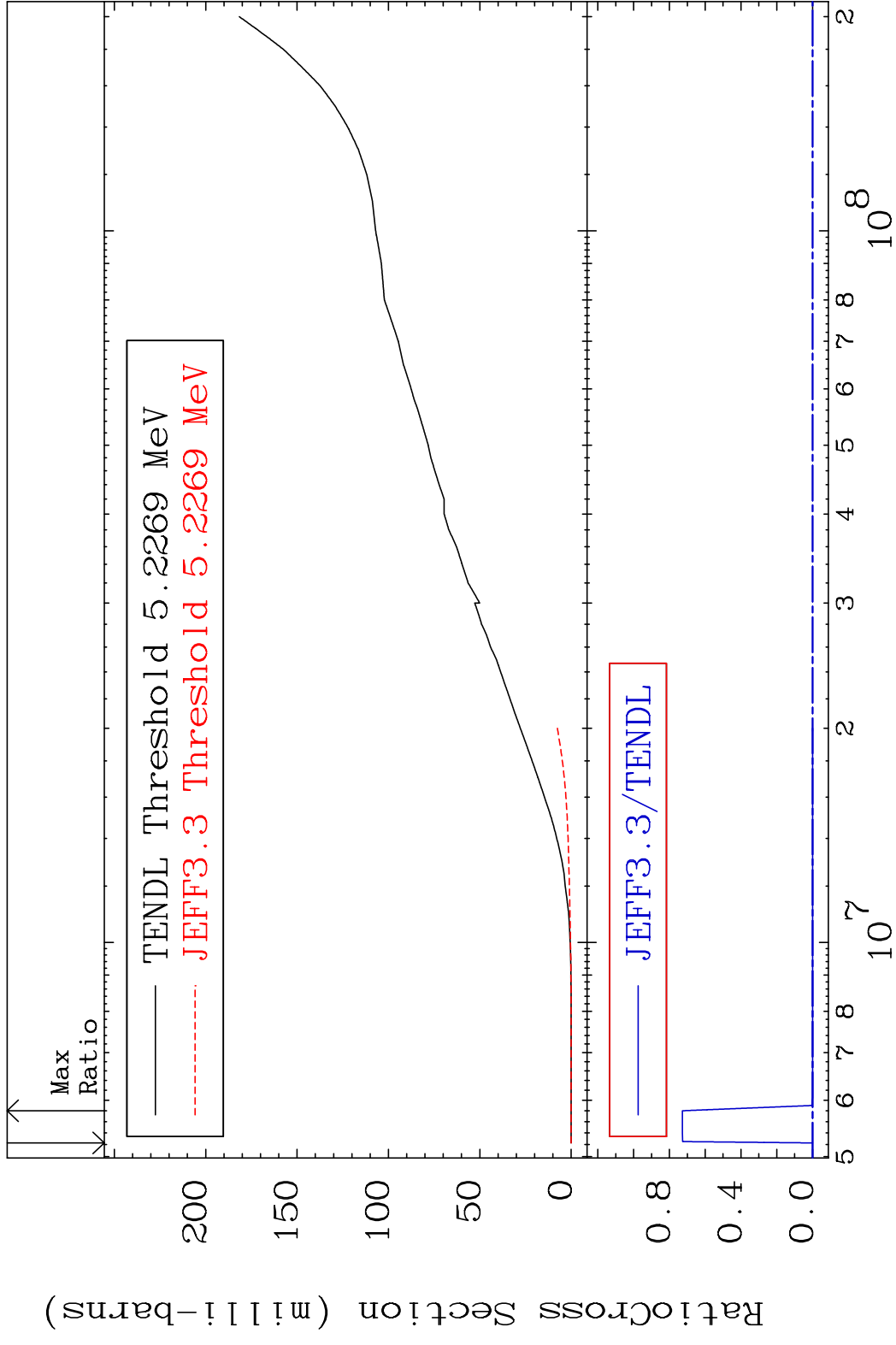
²⁷Co-59

MAT 2725

Deuterium Production

²⁷Co-59

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

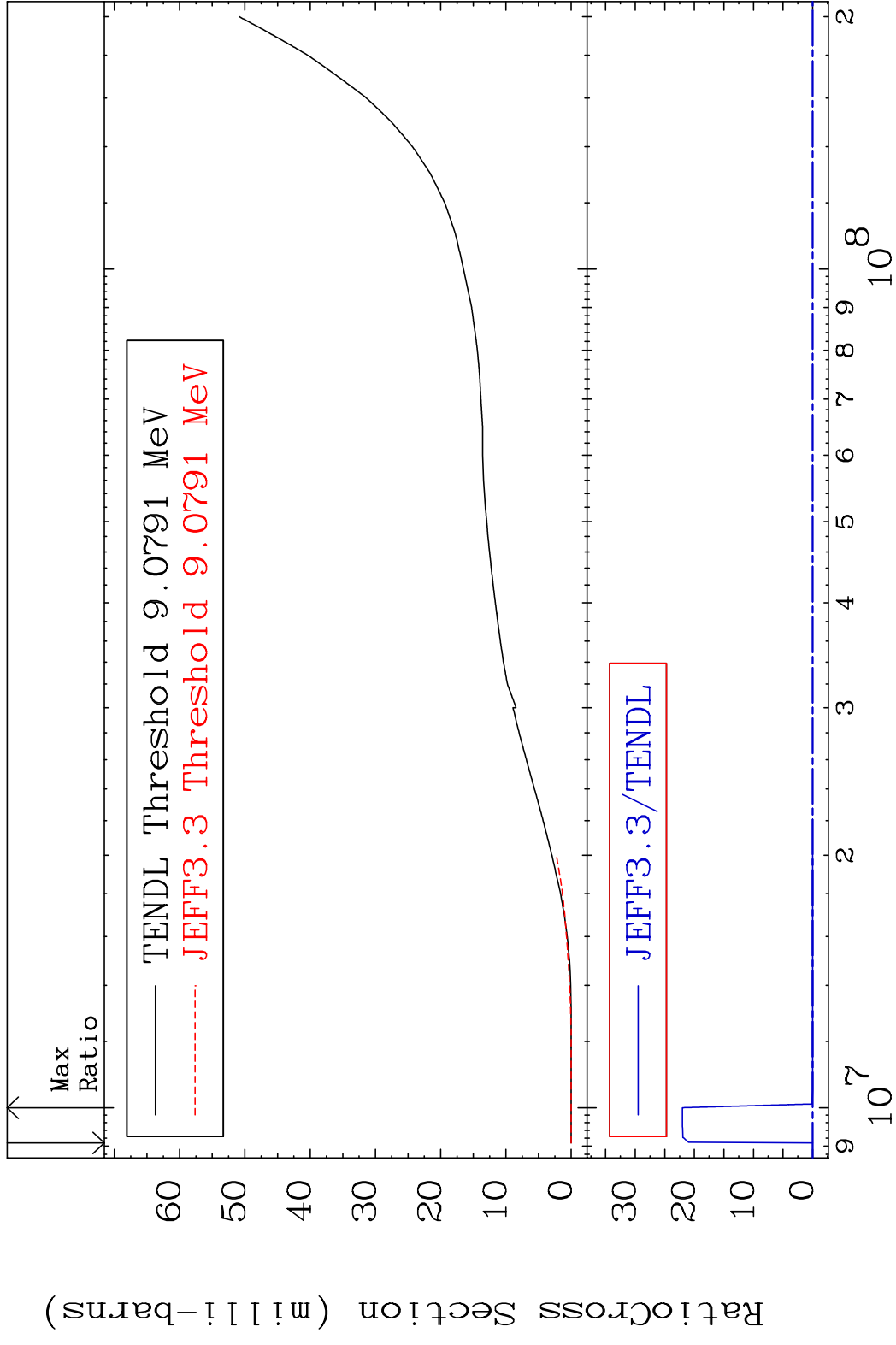
²⁷Co-59

MAT 2725

Tritium Production

27-Co-59

Cross Section -100.0 To 9999. %

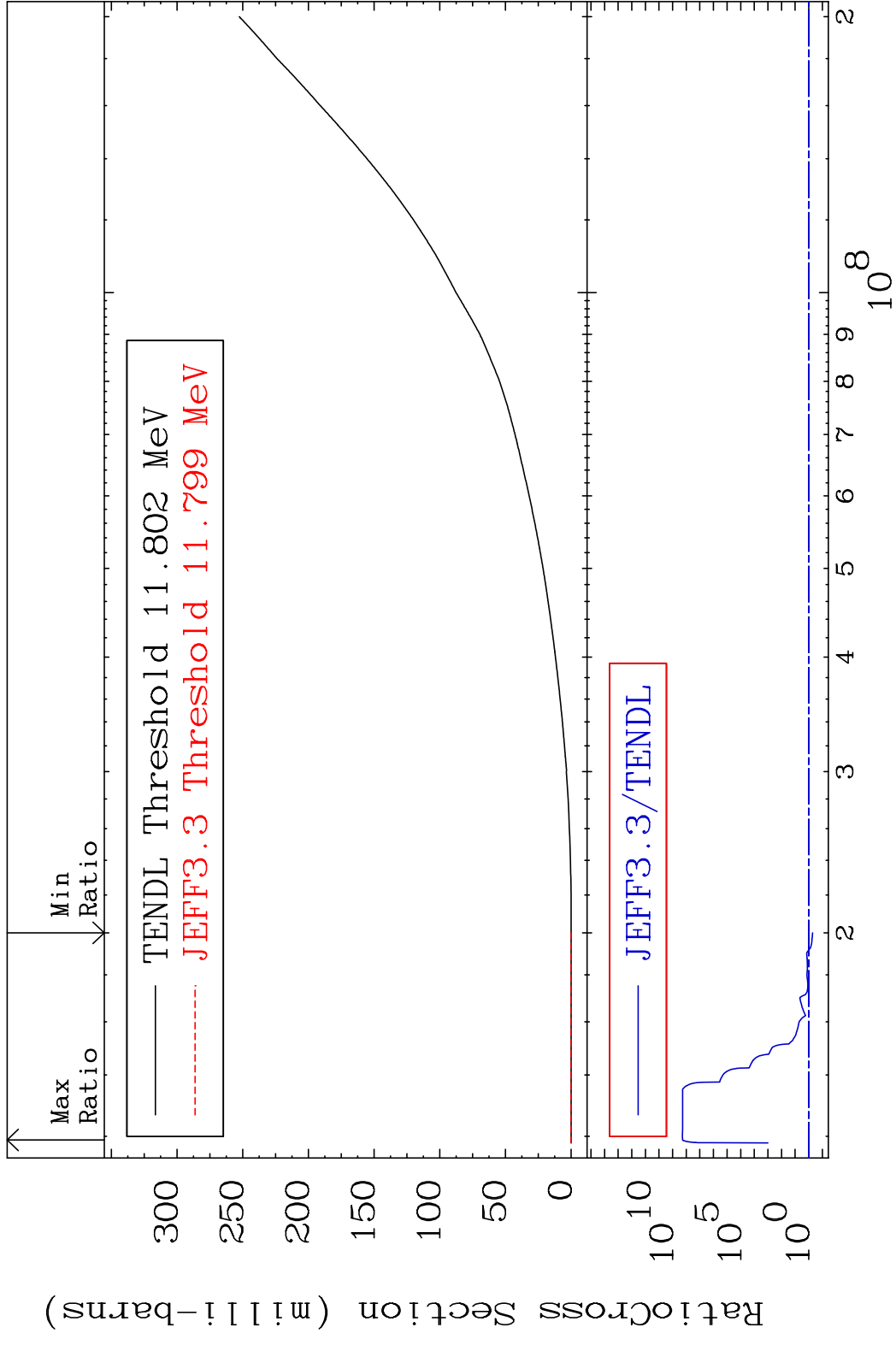


40

Incident Energy (eV)

27-Co-59

Cross Section -47.53 To 9999. %

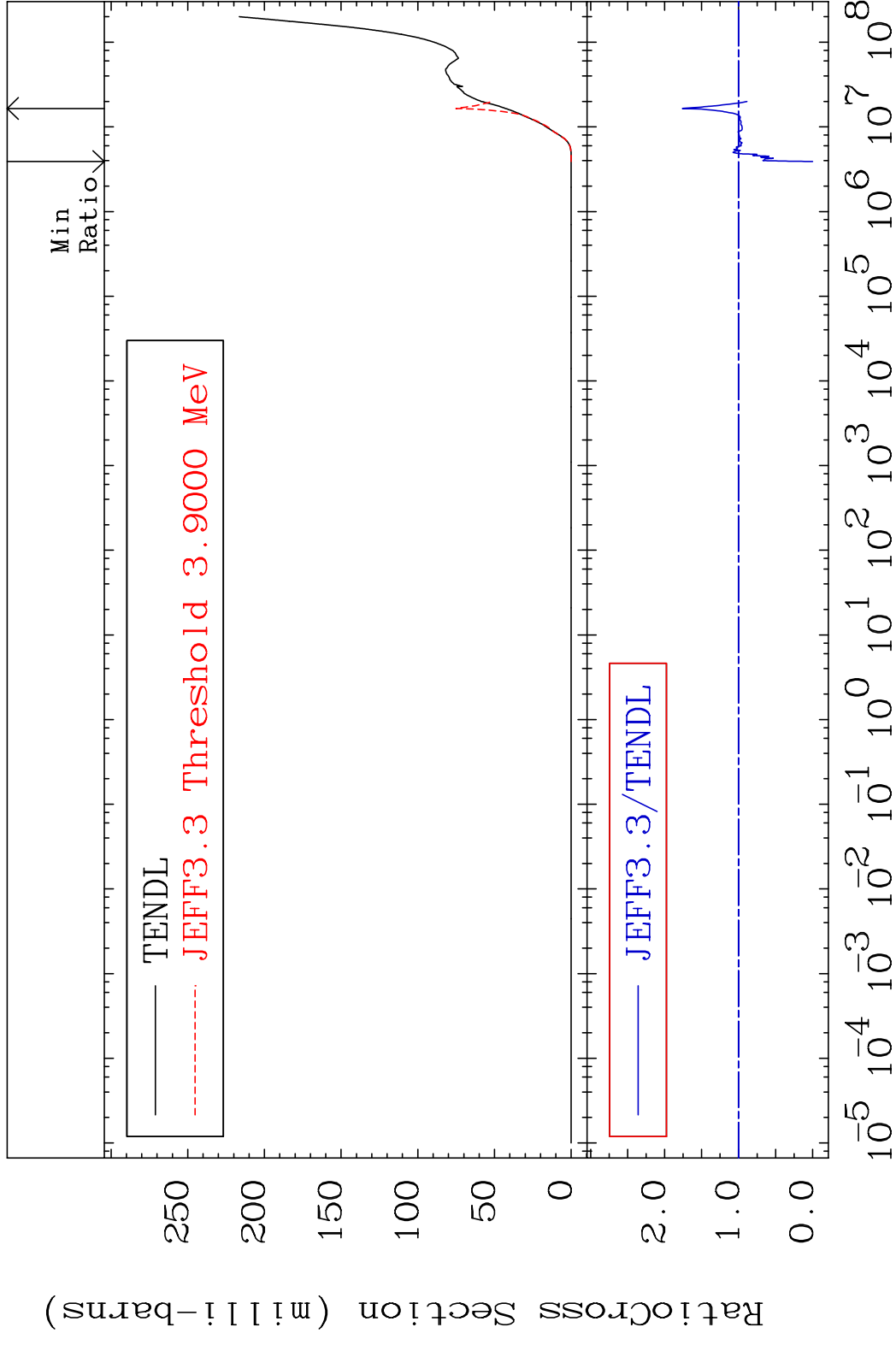


MAT 2725

He-4 Production

27-Co-59

Cross Section -100.0 To 76.01 %



42

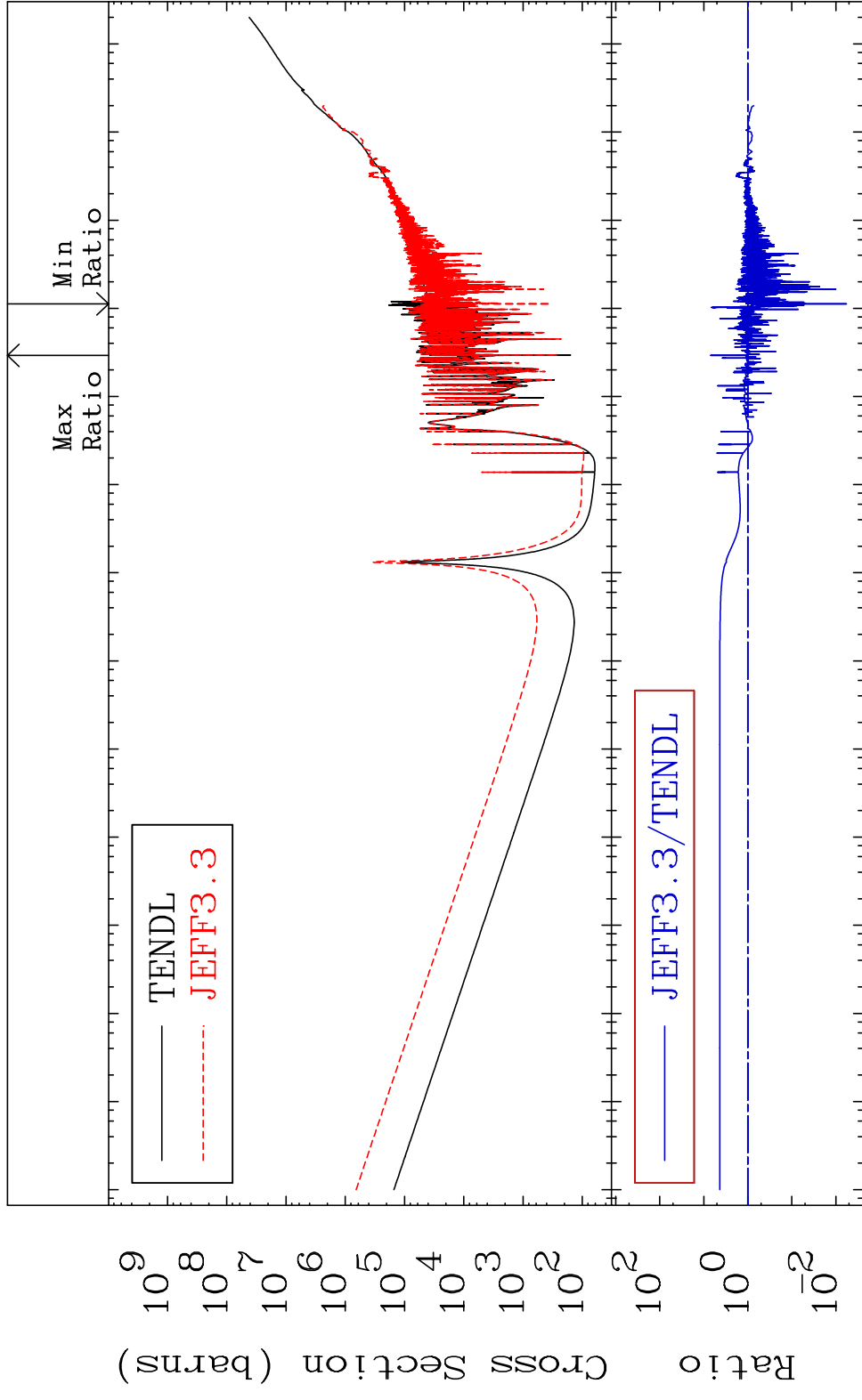
Incident Energy (eV)

27-Co-59

MAT 2725

Kerma total (eV-barns) 27-Co-59

Cross Section -99.42 To 596.0 %



43

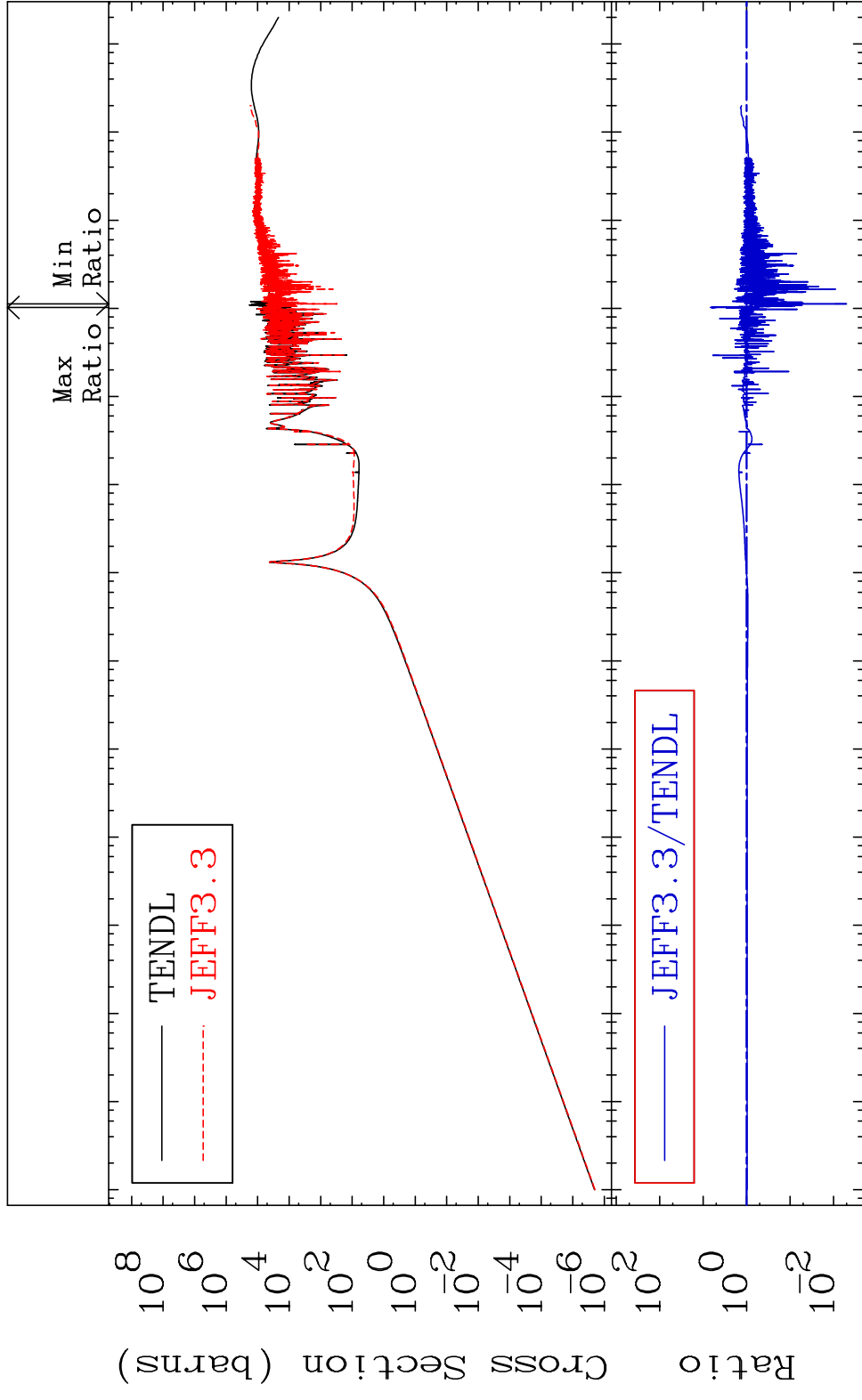
Incident Energy (eV)

27-Co-59

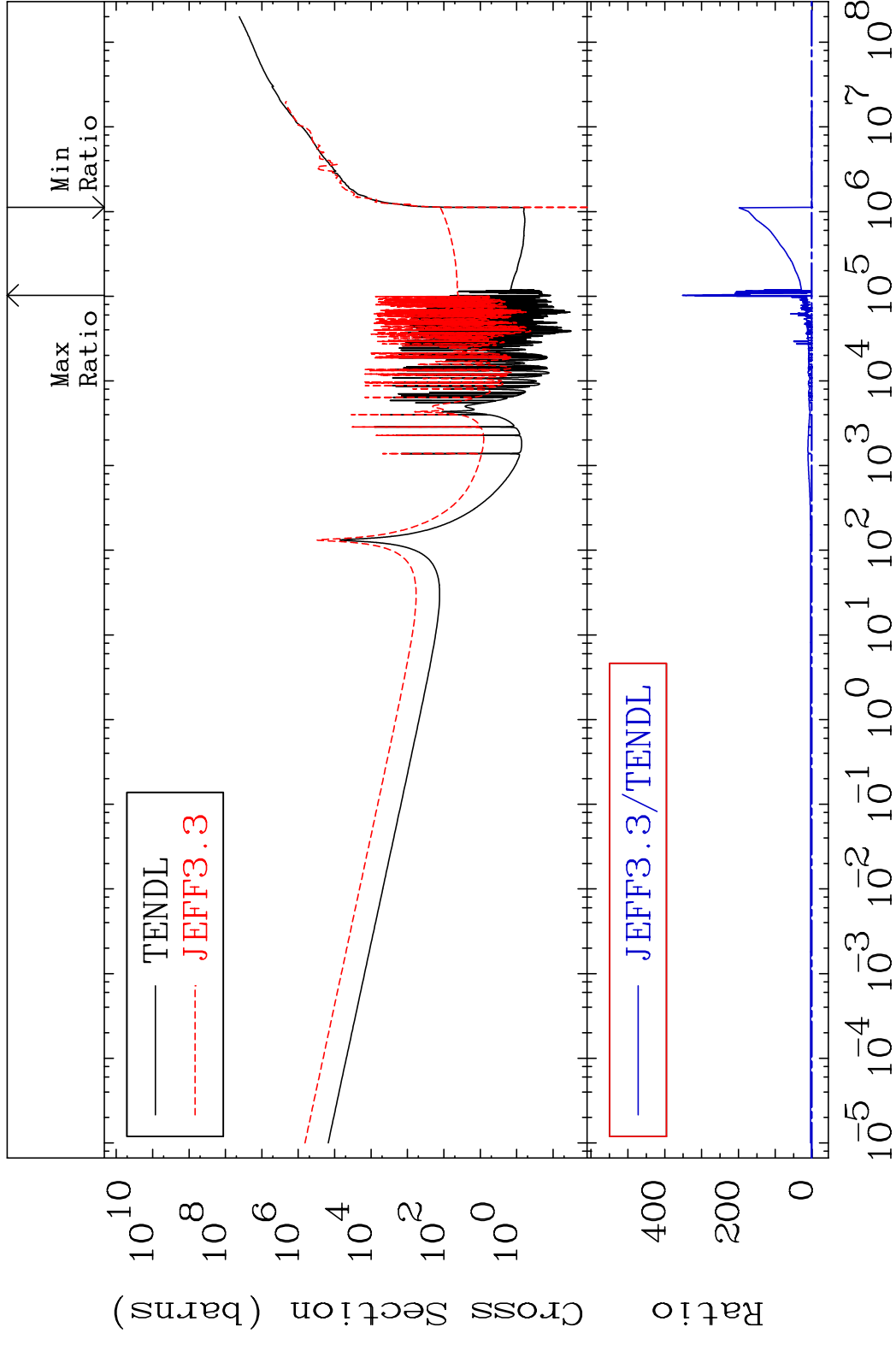
MAT 2725

Kerma elastic
Cross Section

27-Co-59
-99.49 To 568.7 %

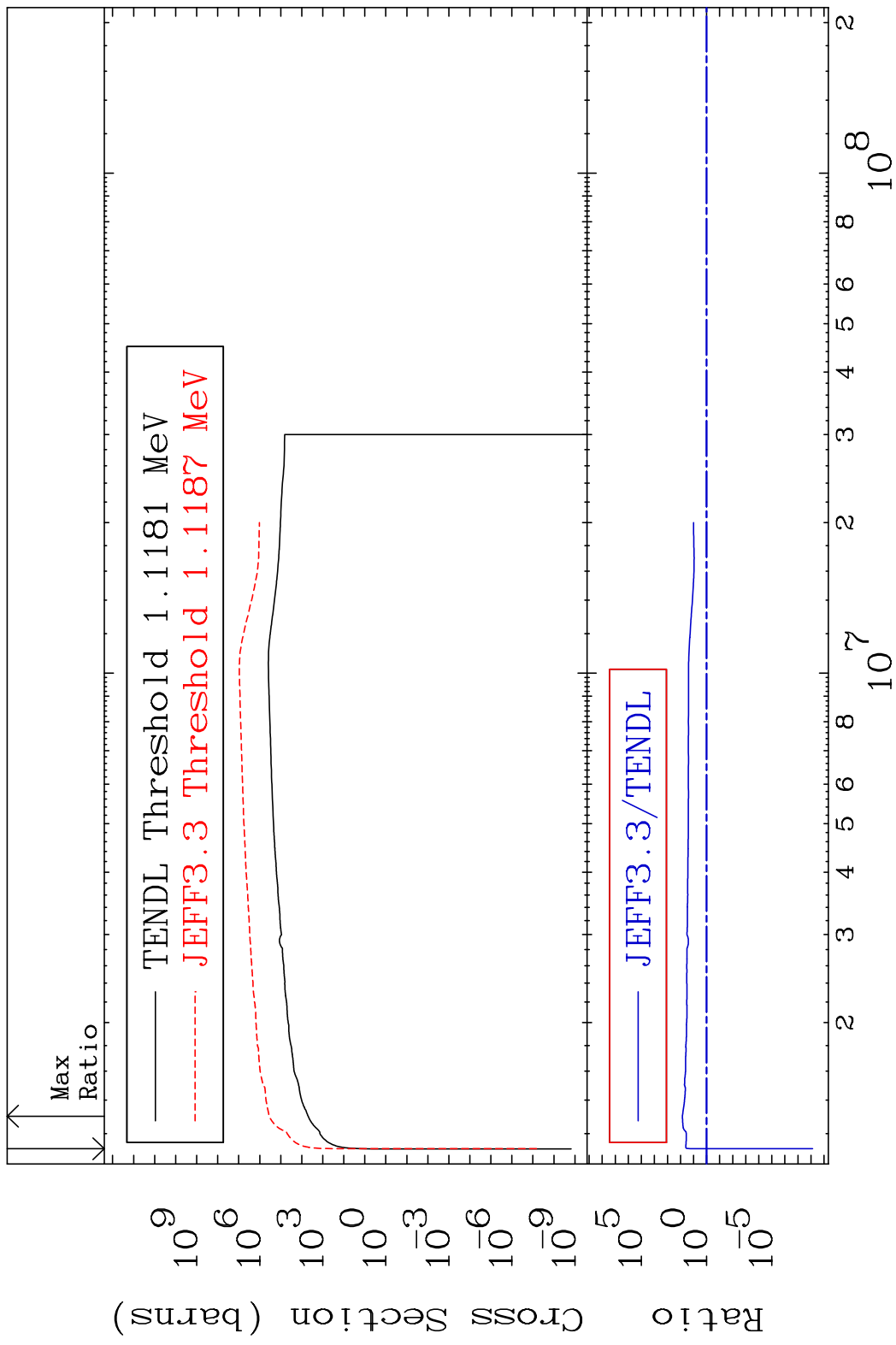


MAT 2725 Kerma non-elastic (all but mt2) 27-Co-59
 Cross Section -209.4 To 9999. %

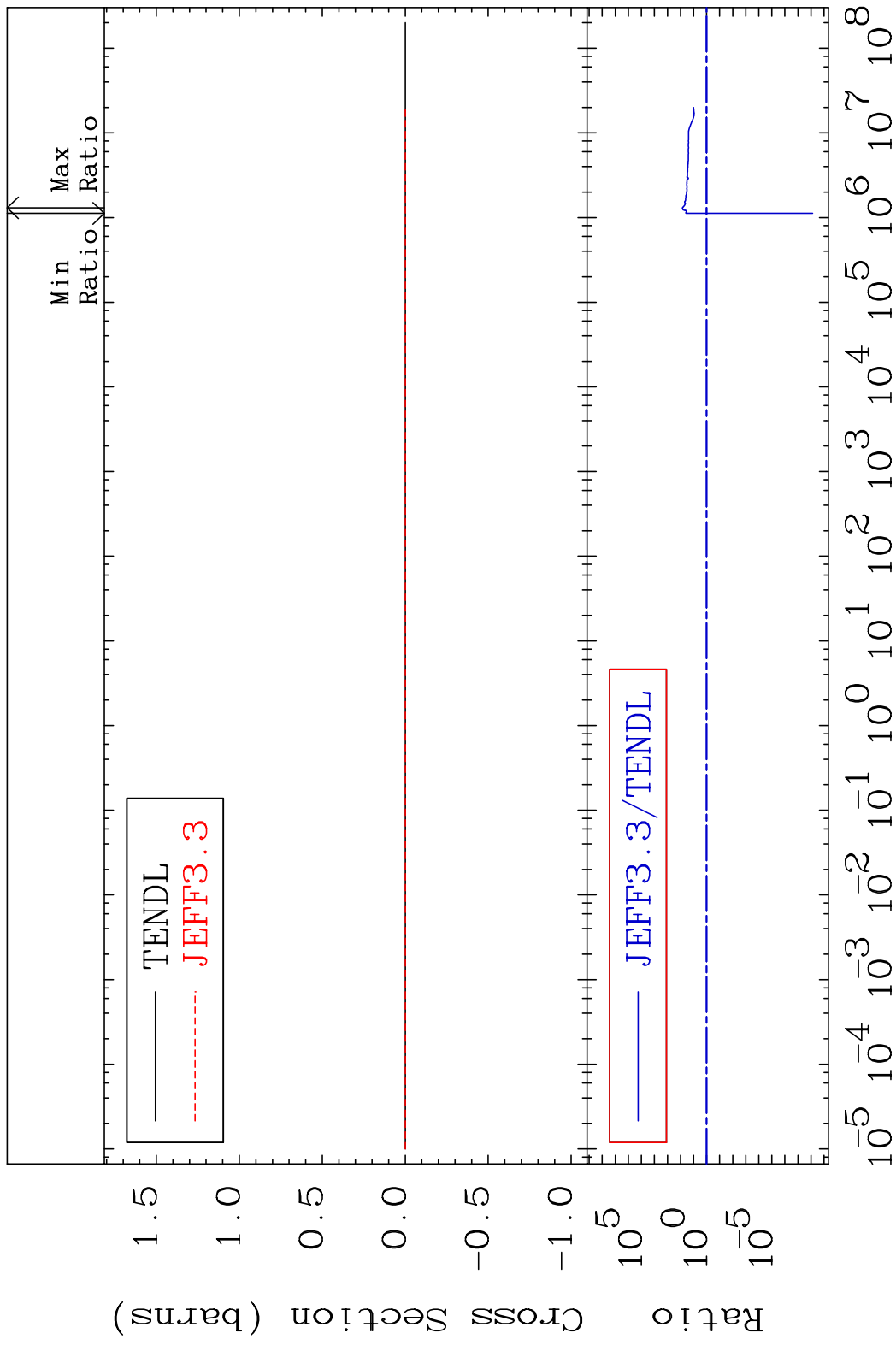


45 Incident Energy (eV) 27-Co-59

MAT 2725 Kerma inelastic (mt51-91) 27-Co-59
 Cross Section -100.0 To 7121. %

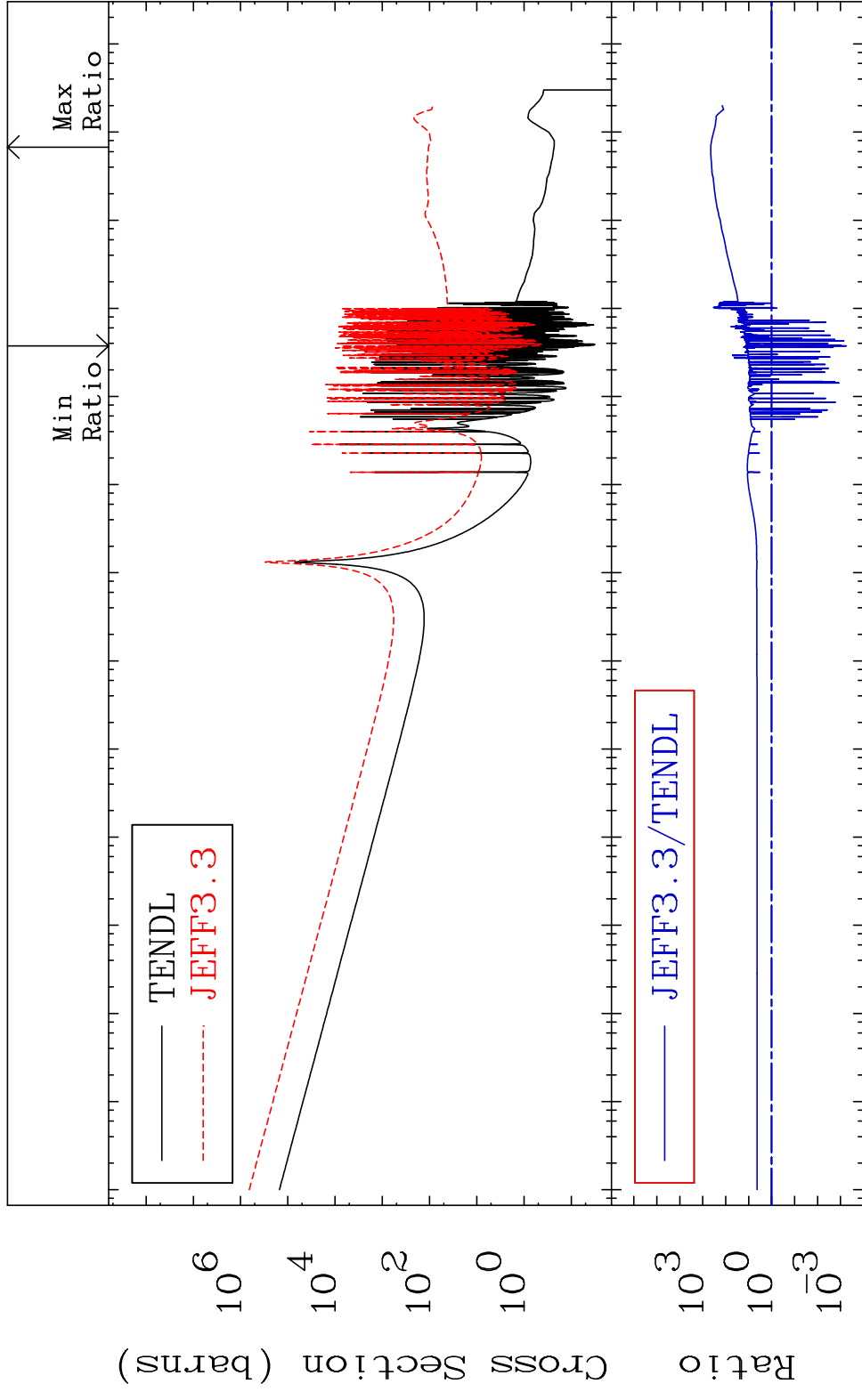


MAT 2725 Kerma fission (mt18 or mt19-20-21-38) 27-Co-59
 Cross Section -100.0 To 7121. %



MAT 2725

Kerma capture (mt102) 27-Co-59
Cross Section -99.94 To 9999. %

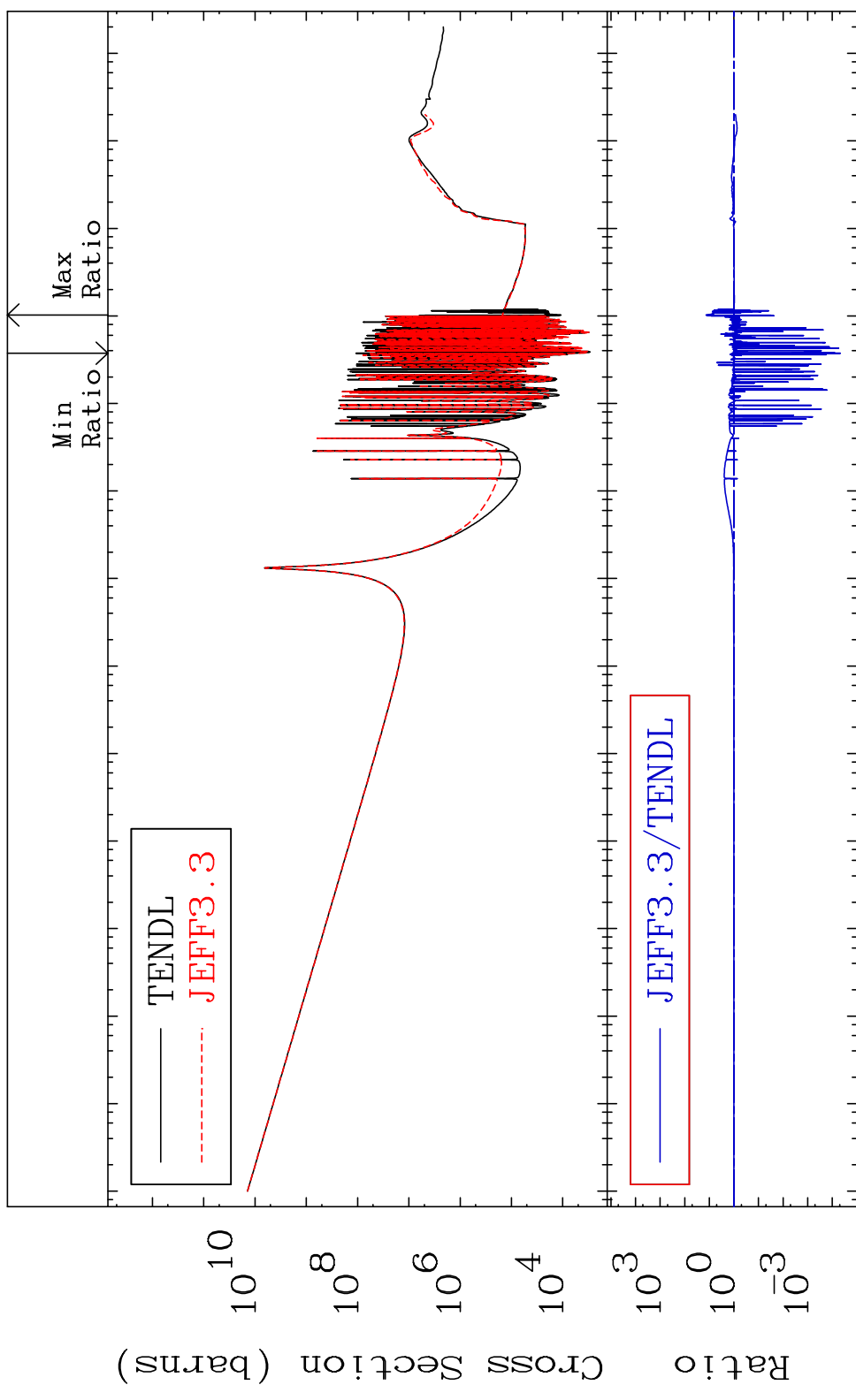


MAT 2725

Total photon (eV-barns)

27-Co-59

Cross Section -100.0 To 1291. %



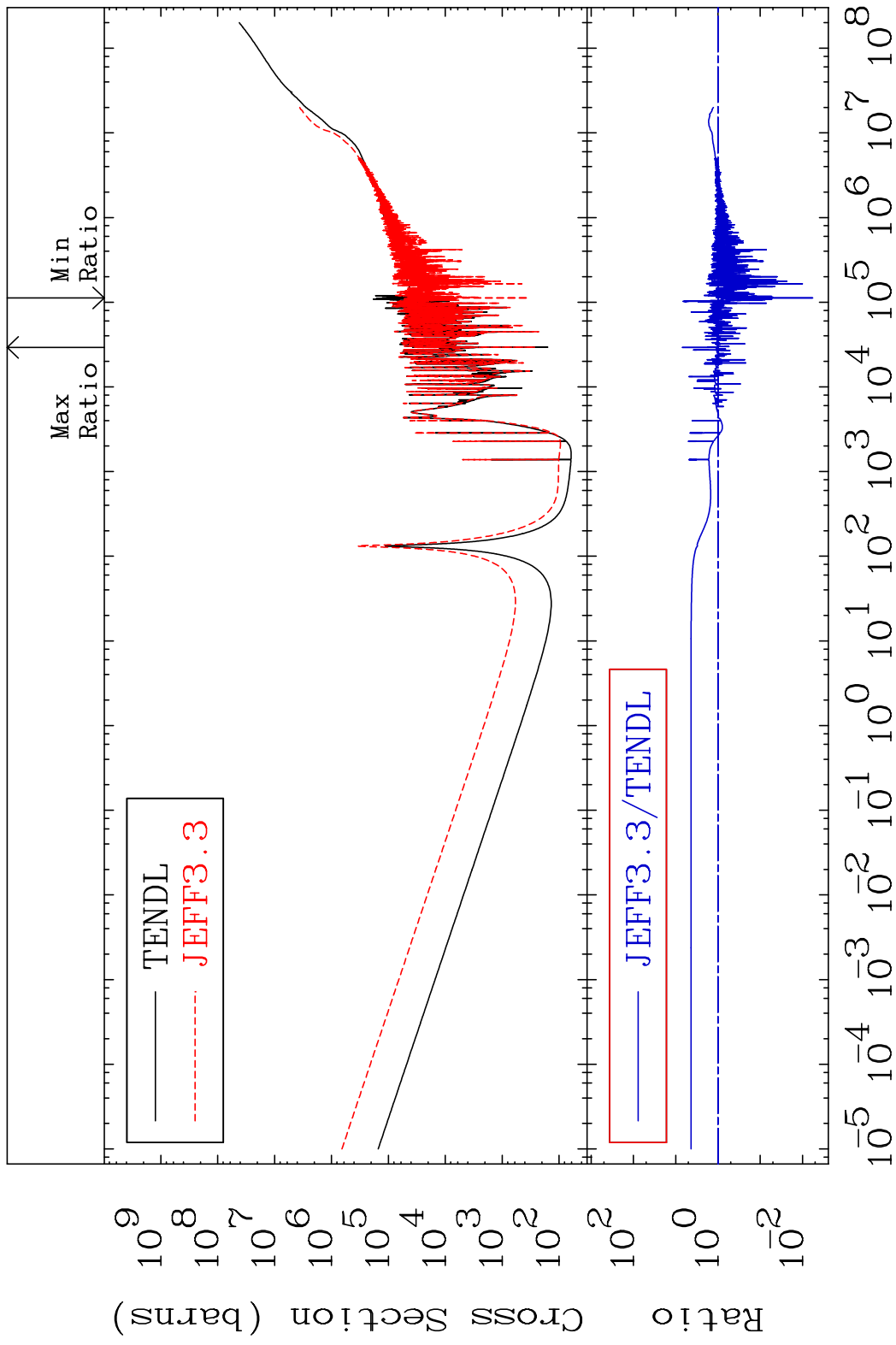
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

49

Incident Energy (eV)

27-Co-59

MAT 2725 Total kinematic kerma (high limit) 27-Co-59
 Cross Section -99.42 To 596.0 %

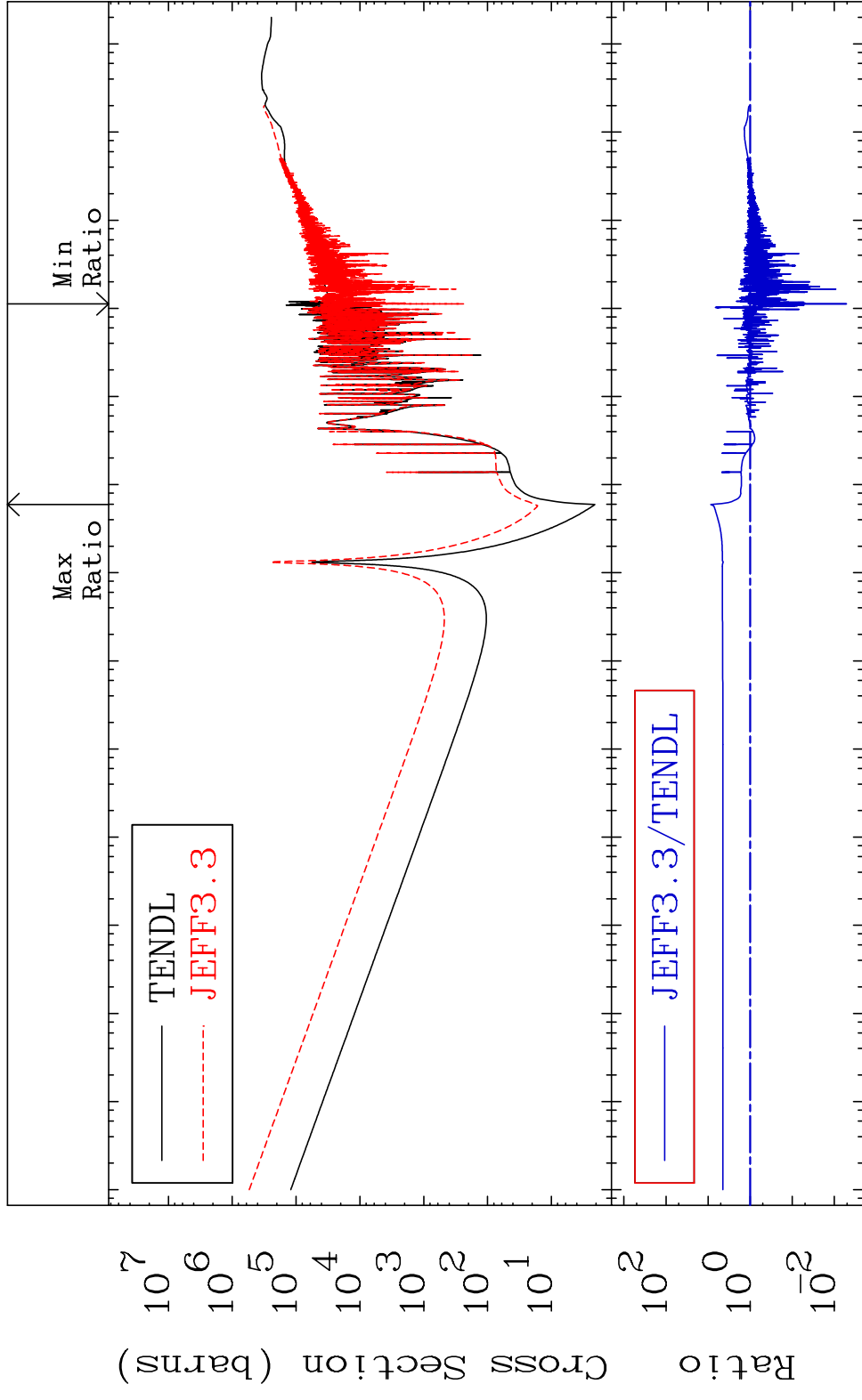


MAT 2725

Dpa total (eV-barns)

27-Co-59

Cross Section -99.48 To 766.3 %



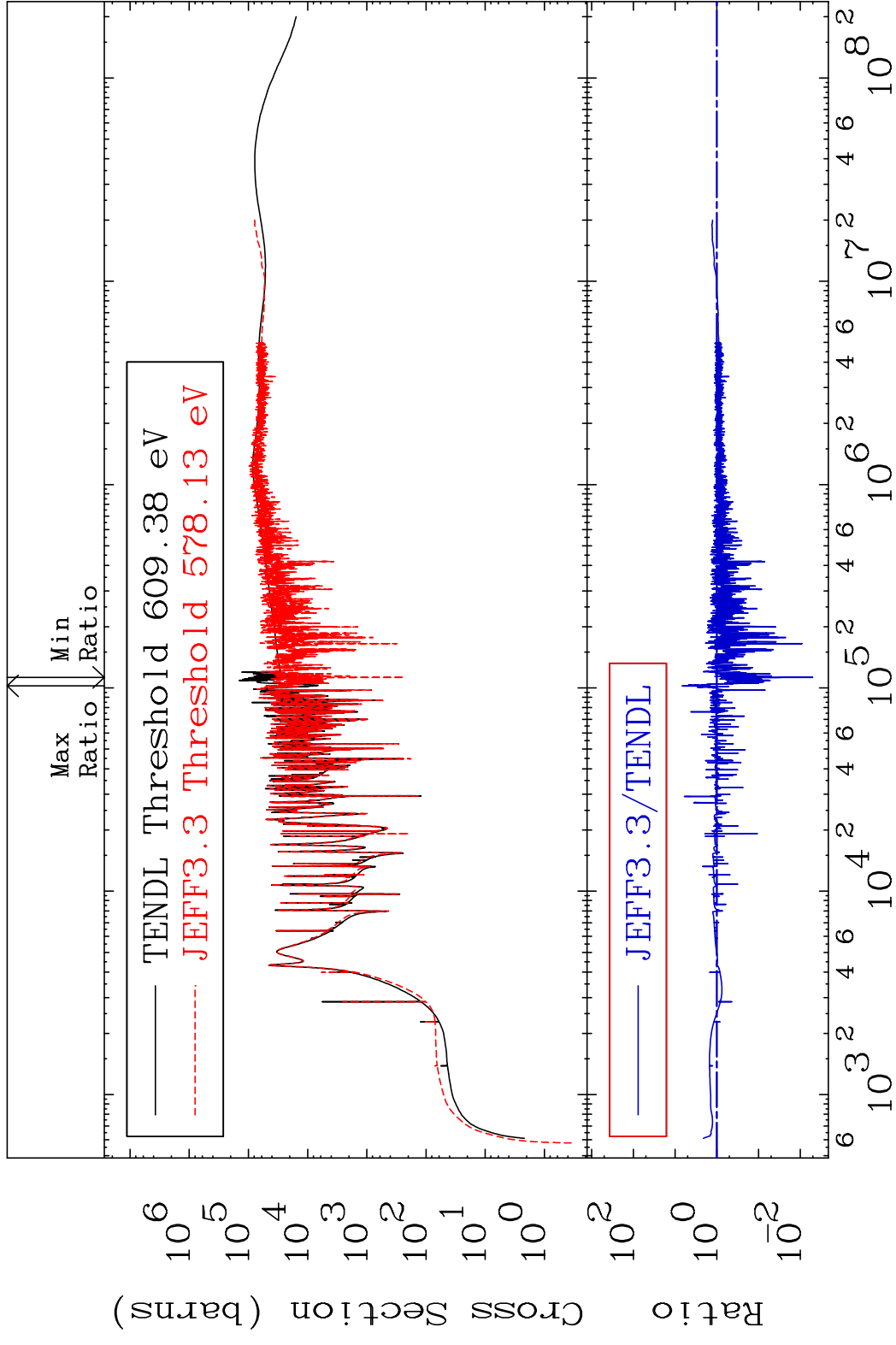
MAT 2725

Dpa elastic (mt2)

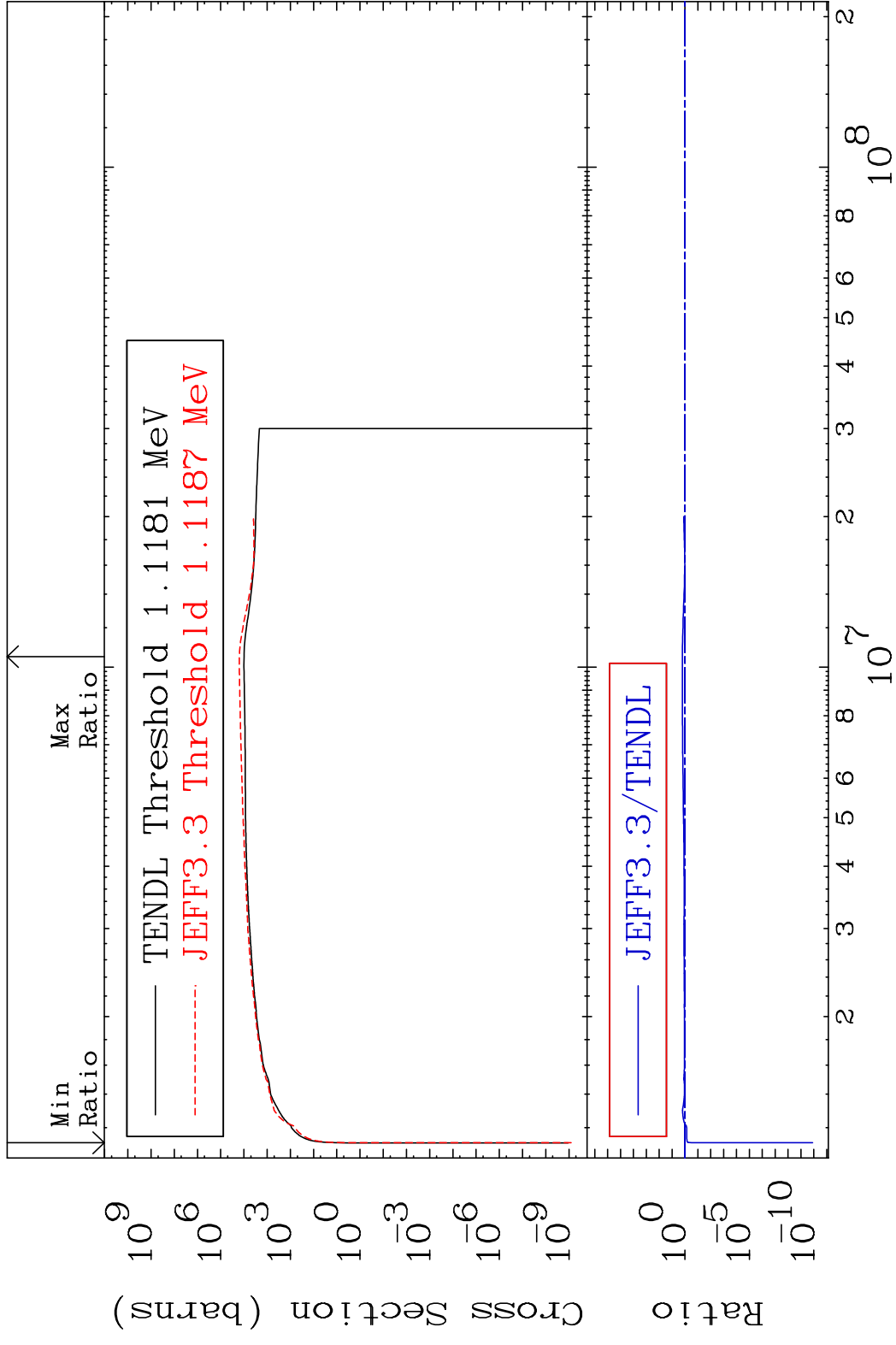
27-Co-59

Cross Section

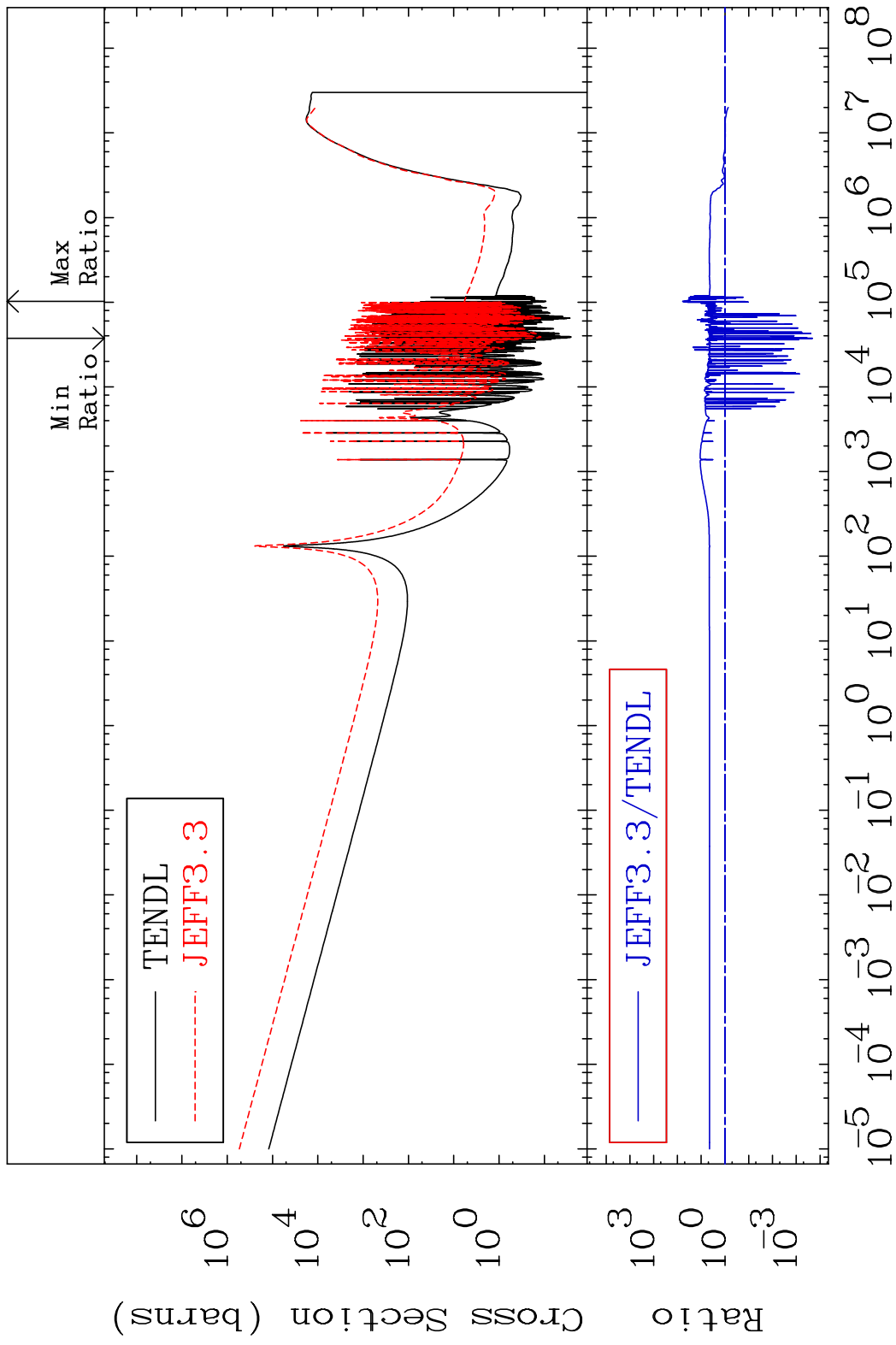
-99.49 To 568.7 %



MAT 2725 Dpa inelastic (mt51-91) 27-Co-59
 Cross Section -100.0 To 58.95 %



MAT 2725 Dpa disappearance (mt102 -120) 27-Co-59
 Cross Section -99.98 To 6102. %



MAT 2725 Dpa disappearance (mt102 -120) 27-Co-59
 Cross Section -100.0 To 1002. %

