

Program Complot
(Version 2018-1)

by

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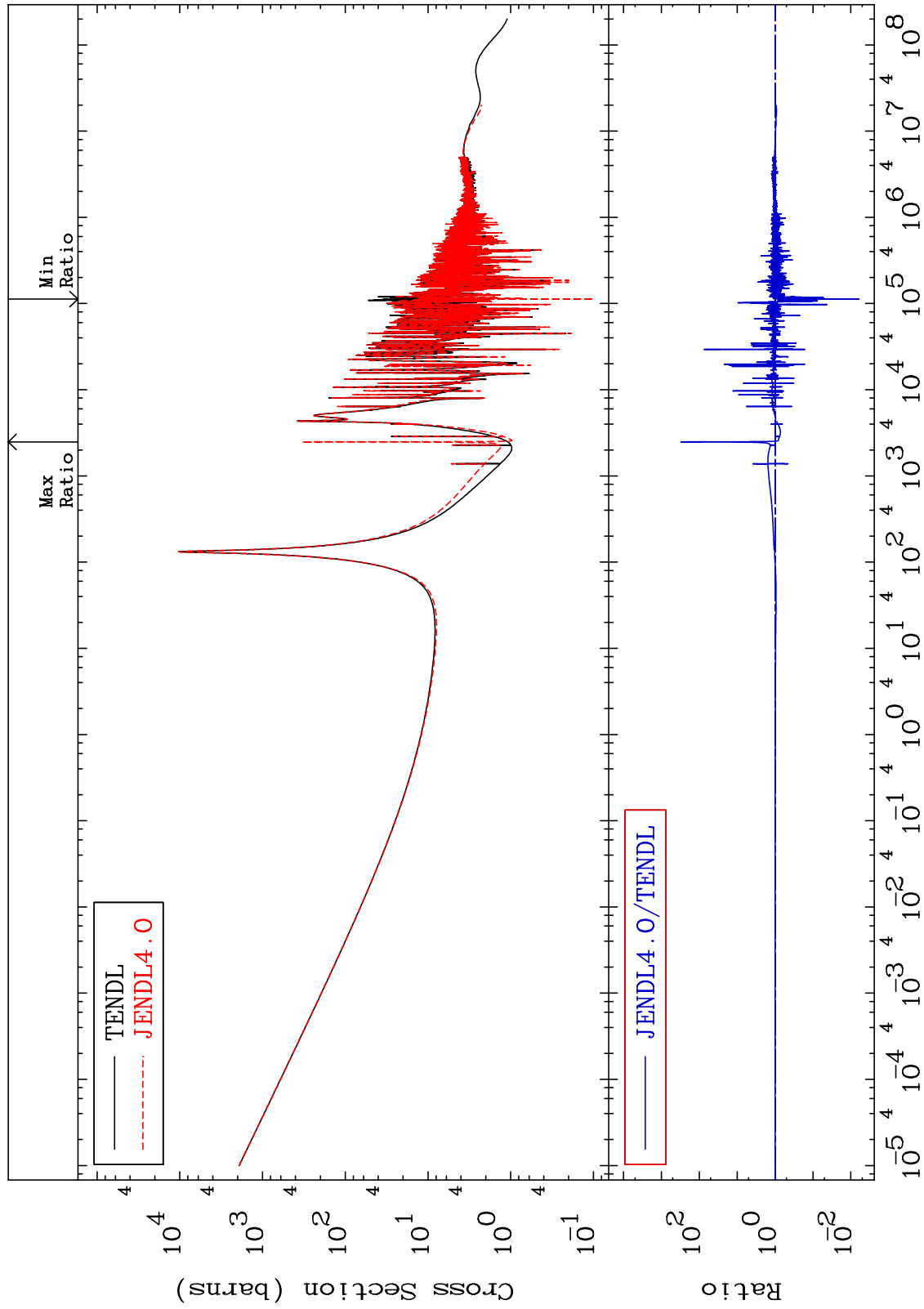
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2725

Total
Cross Section

27-Co-59
-99.39 To 9999. %



1

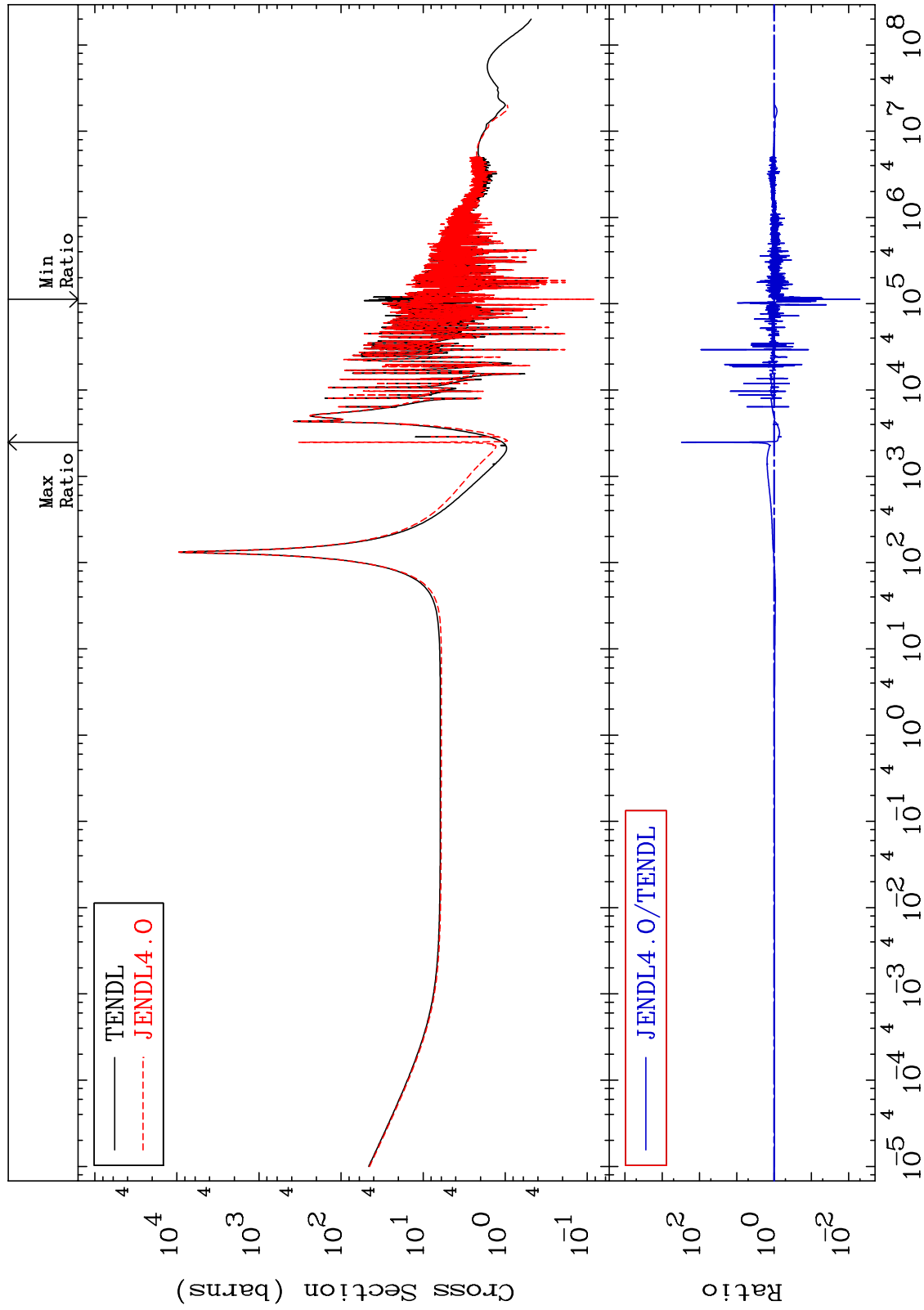
Incident Energy (eV)

27-Co-59

MAT 2725

Elastic
Cross Section

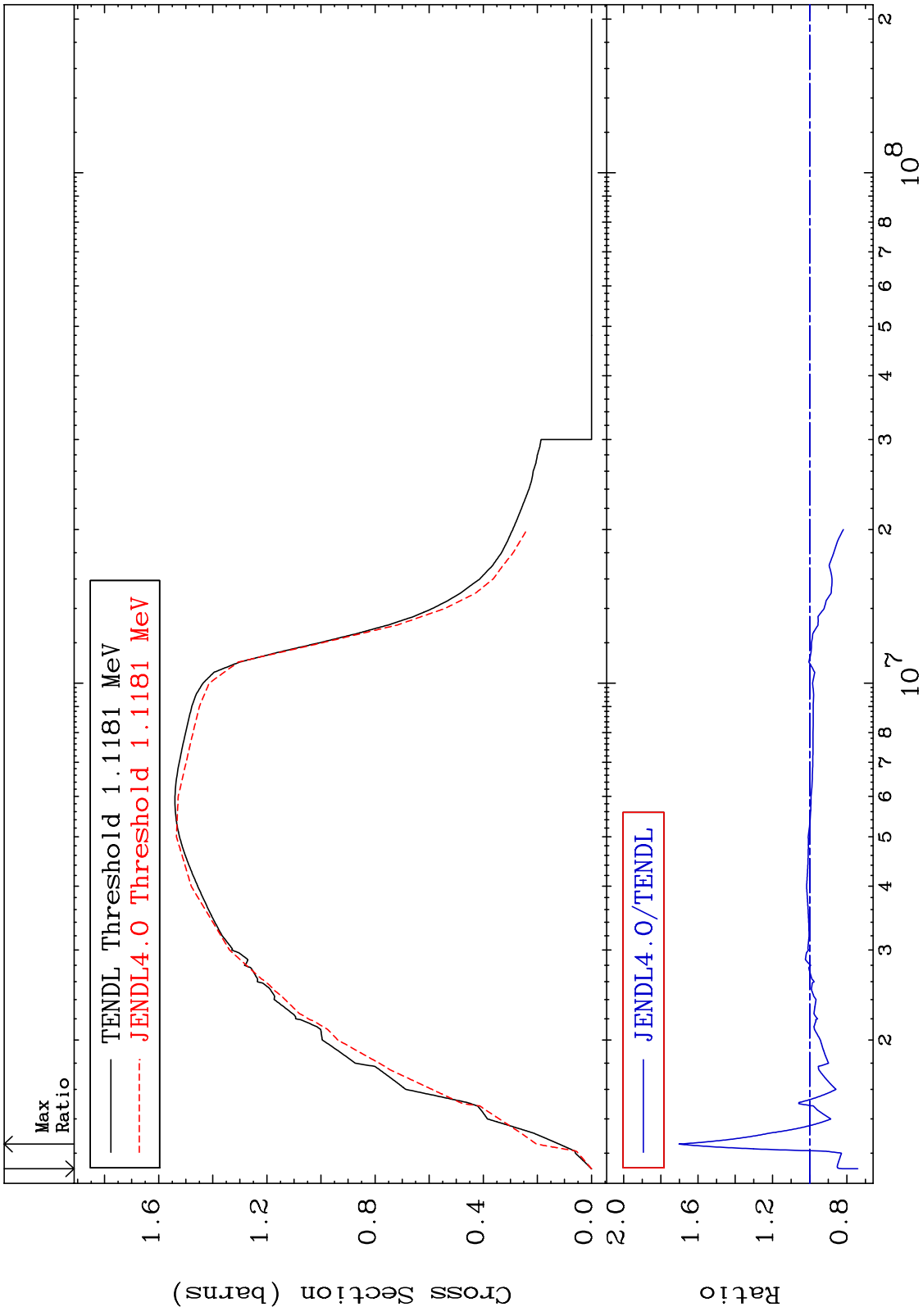
27-Co-59
-99.50 To 9999. %



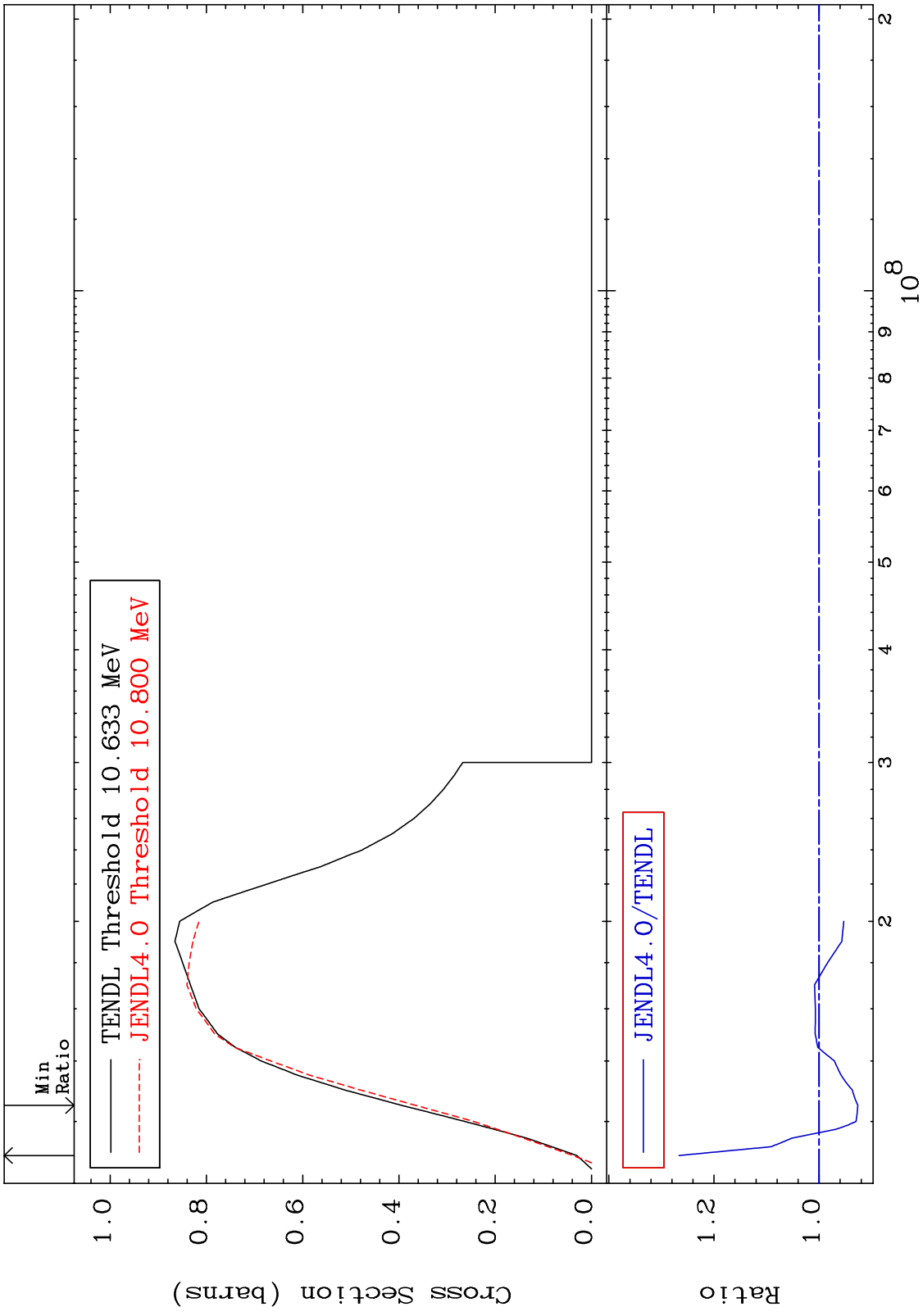
2

Incident Energy (eV)

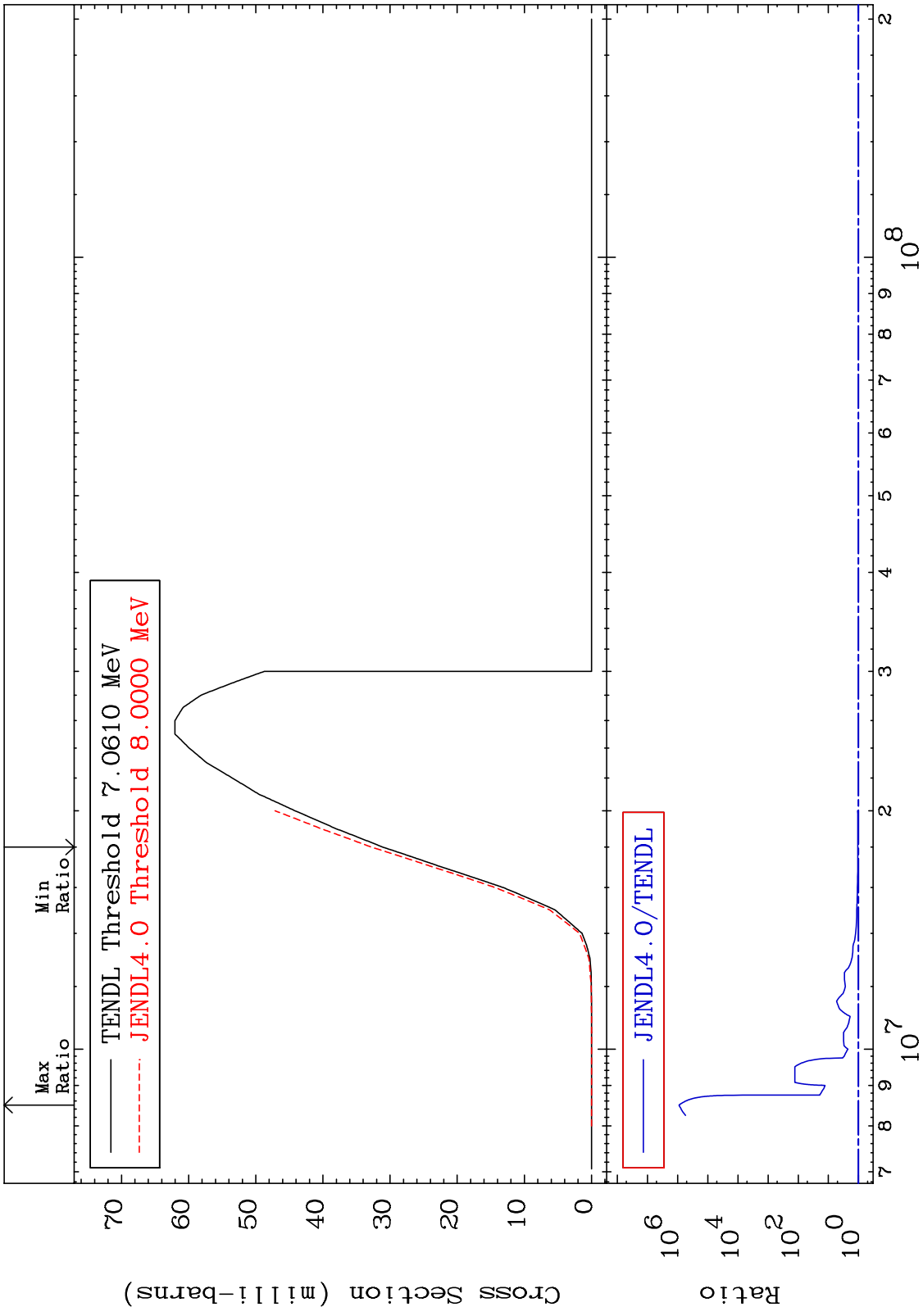
27-Co-59



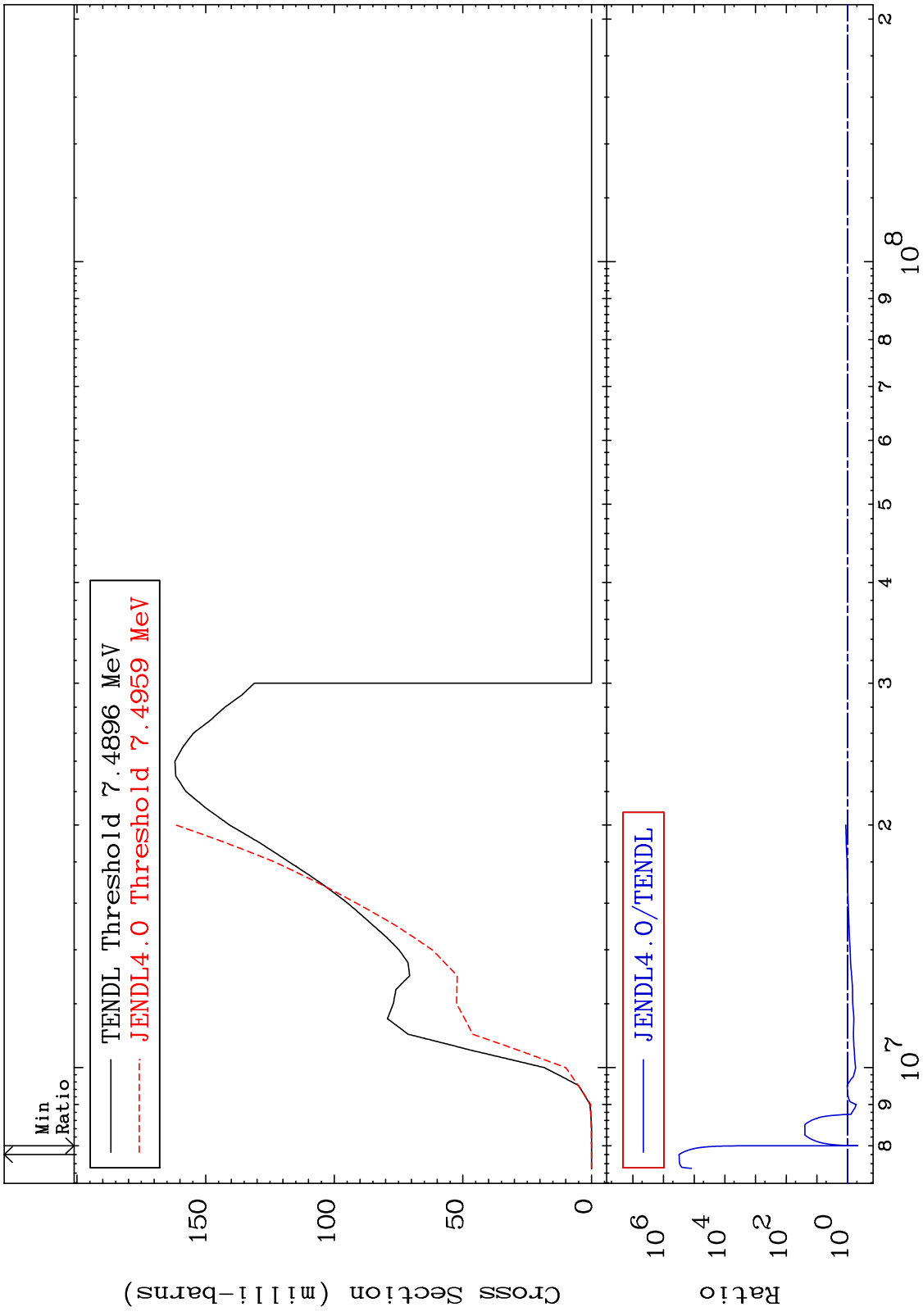
MAT 2725 (n,2n) Cross Section 27-Co-59 -7.361 To 26.65 %



MAT 2725 $(n, n') \alpha$ Cross Section 27-Co-59 To 9999. %
 5.433

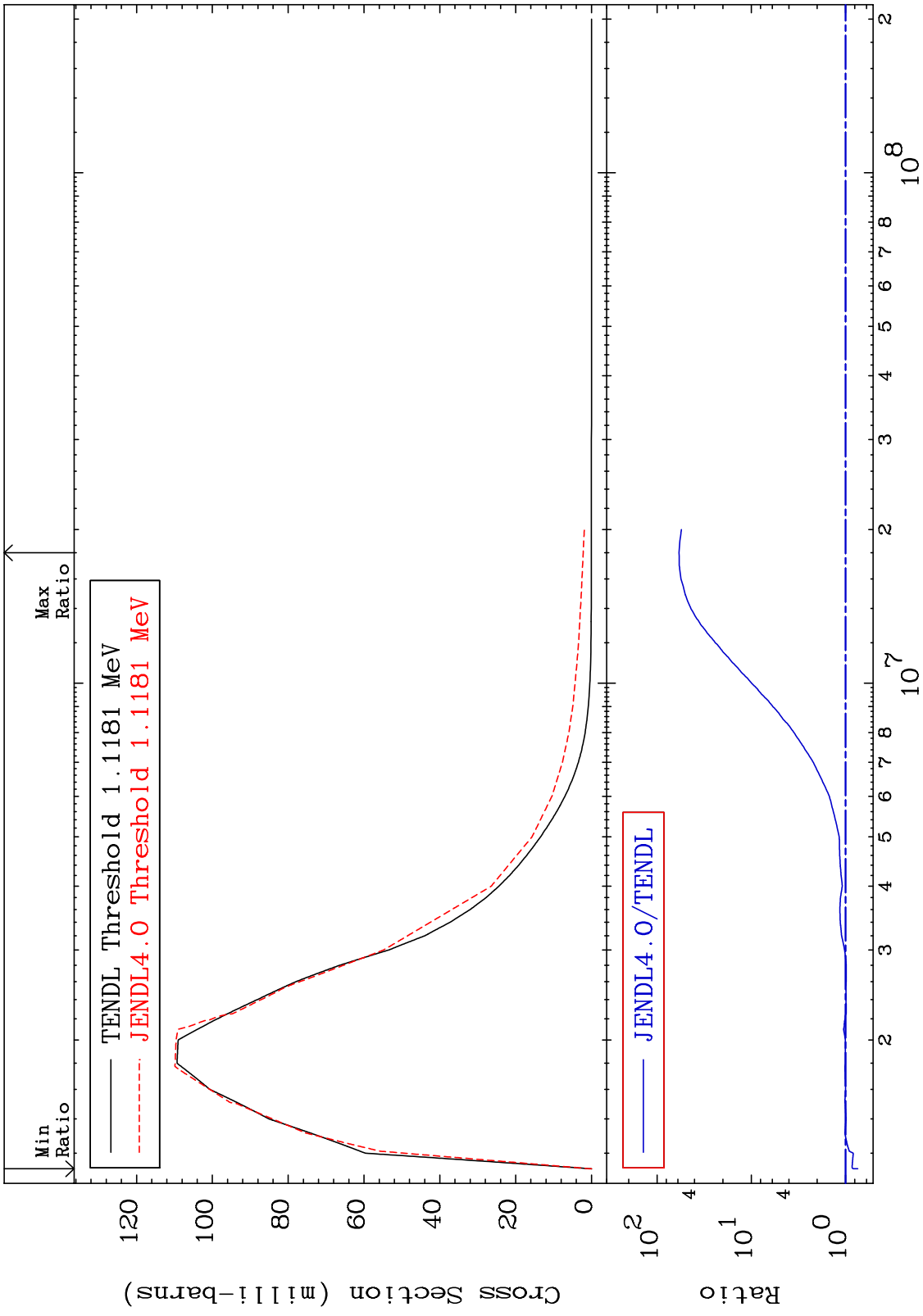


MAT 2725 (n,n') p 27-Co-59
Cross Section -53.63 To 9999. %

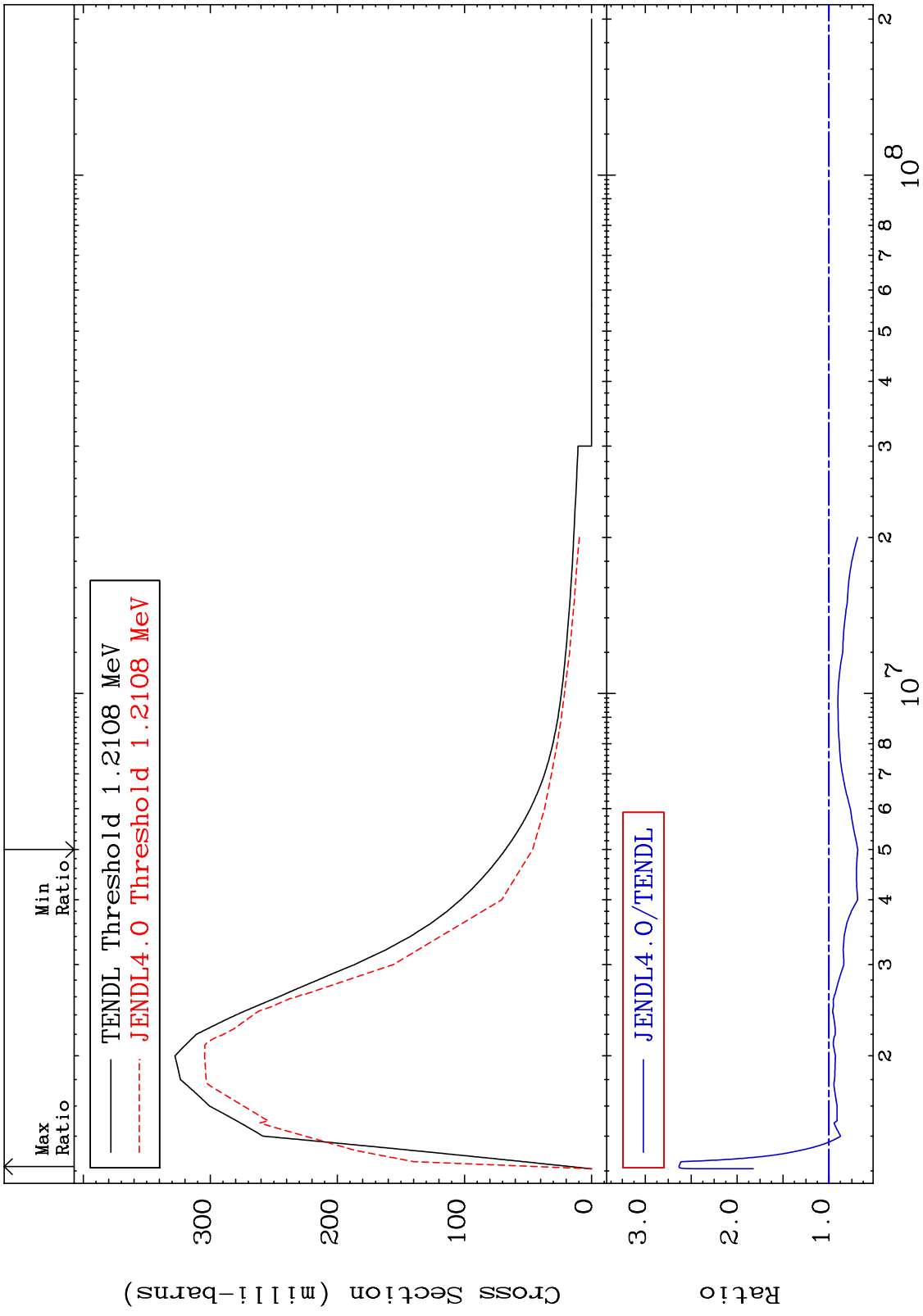


6 27-Co-59

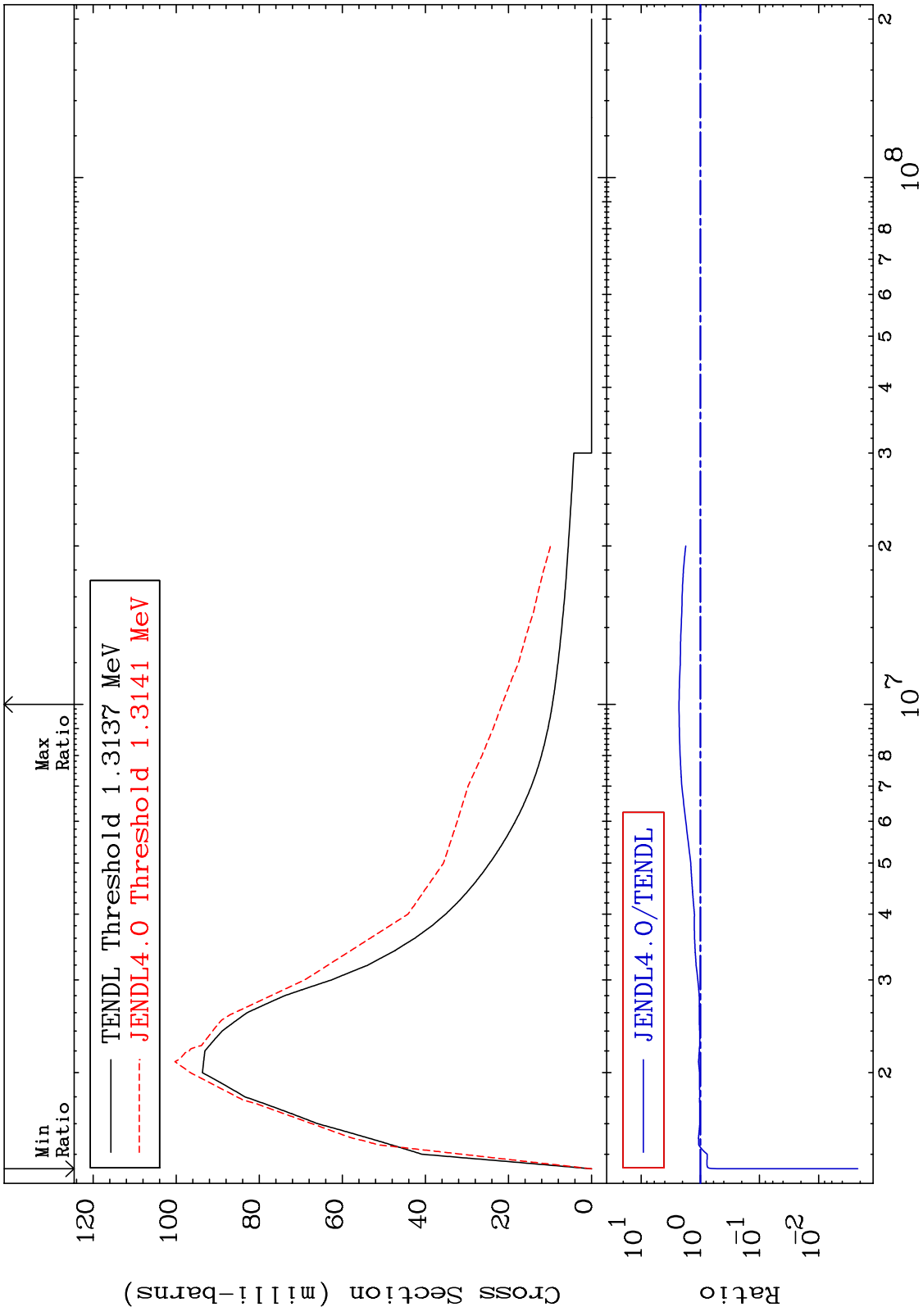
MAT 2725 MT= 51 (n,n') Level Cross Section -25.89 To 5745. % 27-Co-59



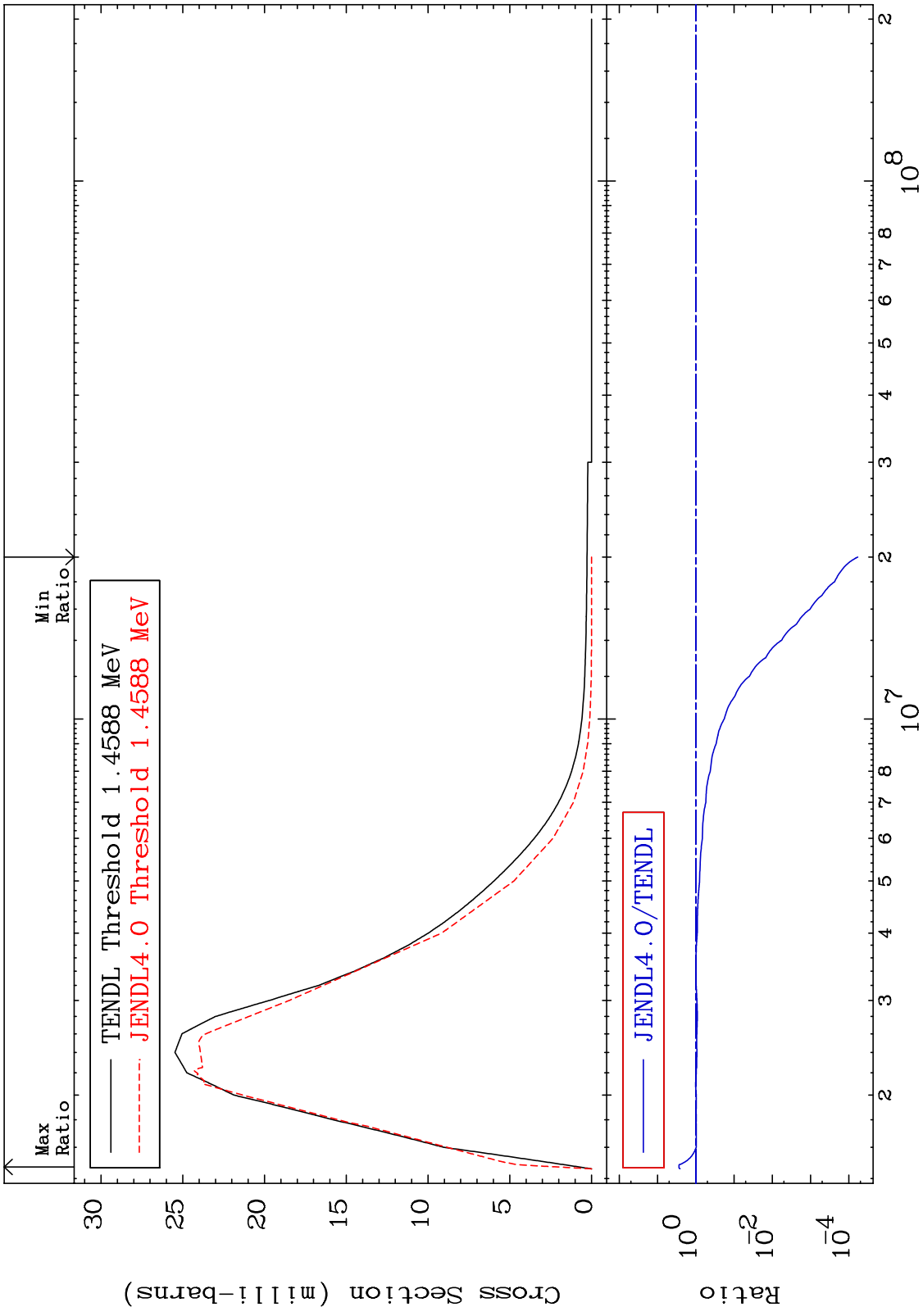
MAT 2725 MT= 52 (n,n') Level Cross Section -31.54 To 163.3 % 27-Co-59



MAT 2725 MT= 53 (n,n') Level Cross Section -99.78 To 128.7 % 27-Co-59

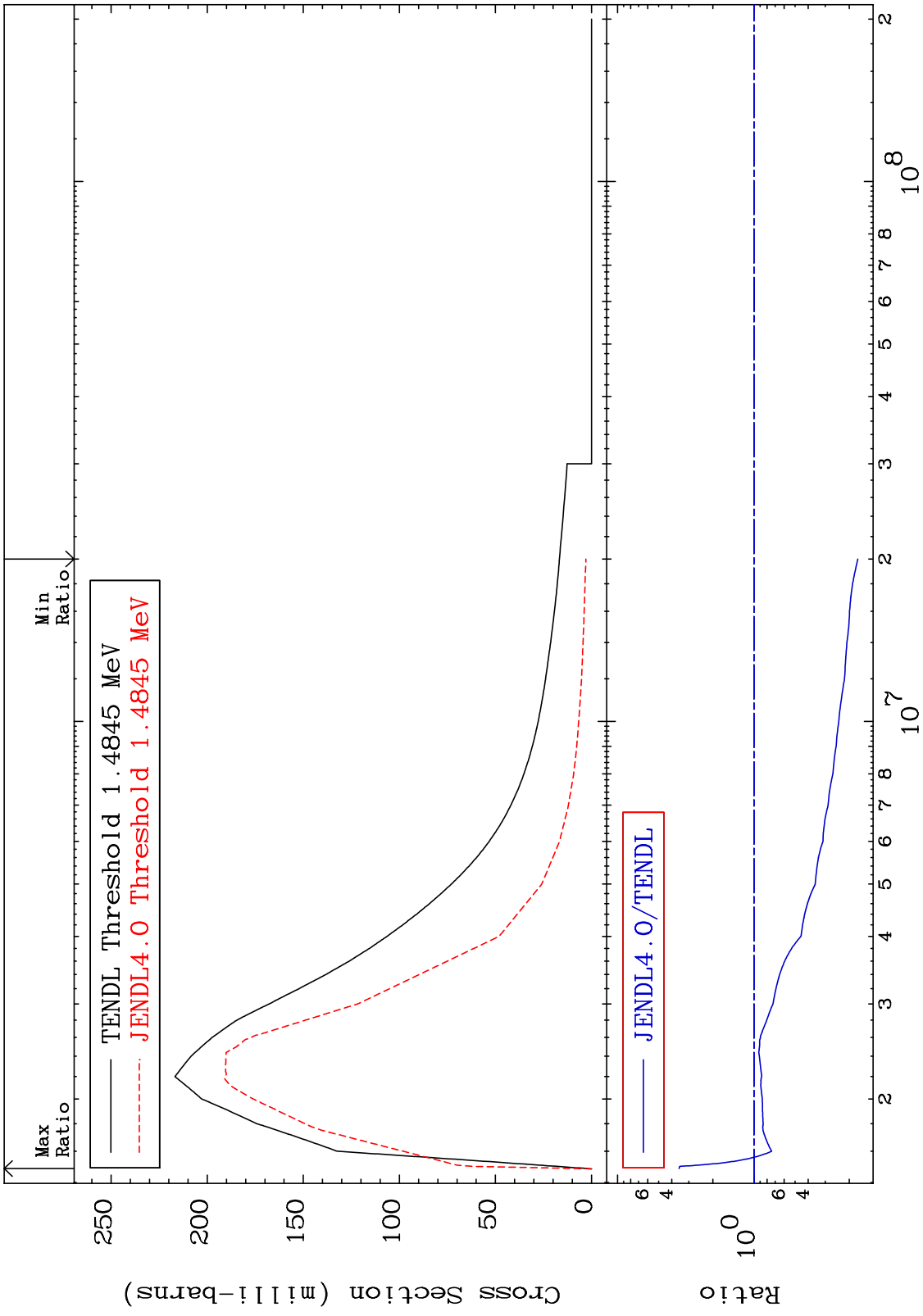


MAT 2725 MT= 54 (n,n') Level Cross Section -99.99 To 174.4 % 27-Co-59

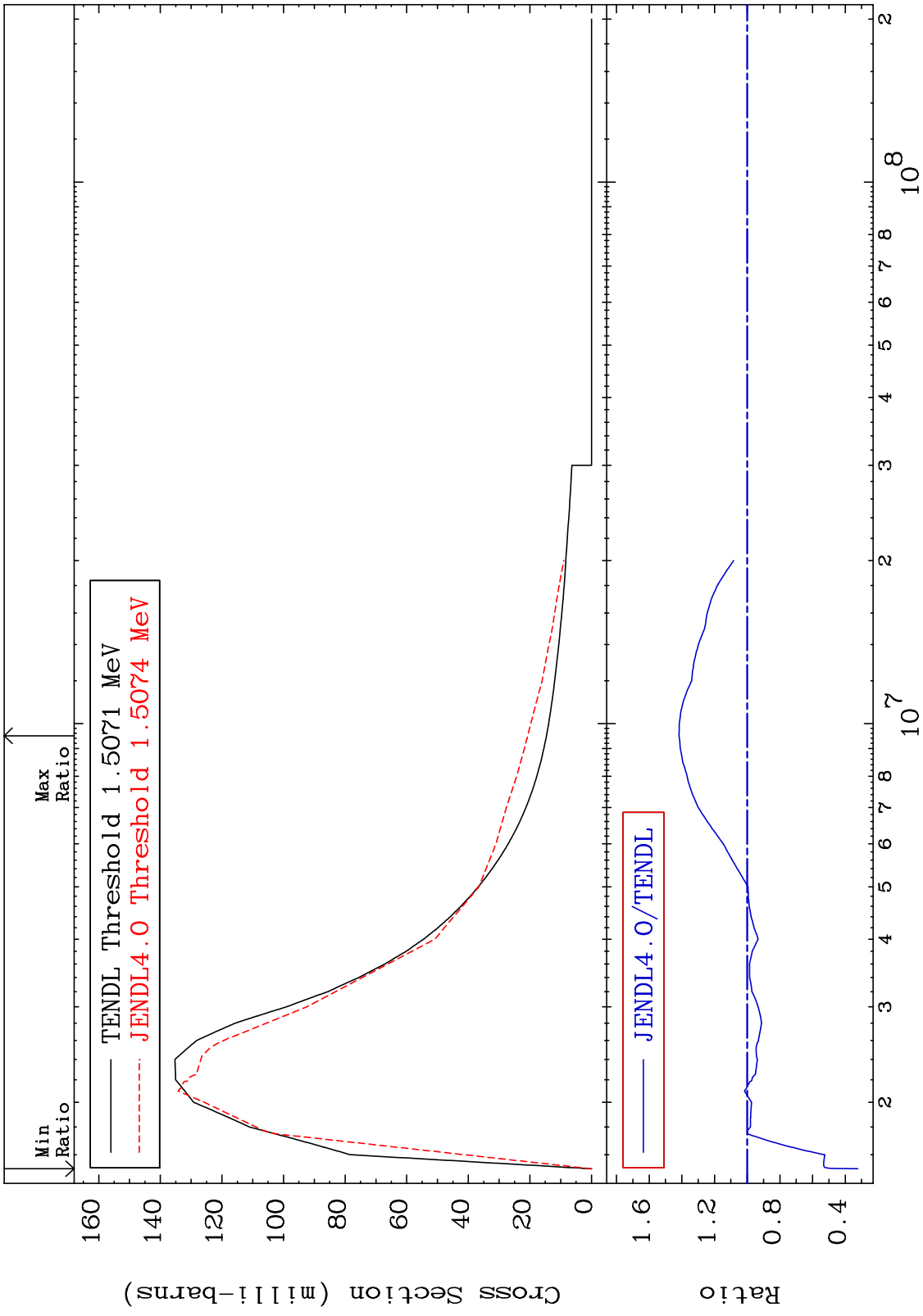


10 Incident Energy (eV) 27-Co-59

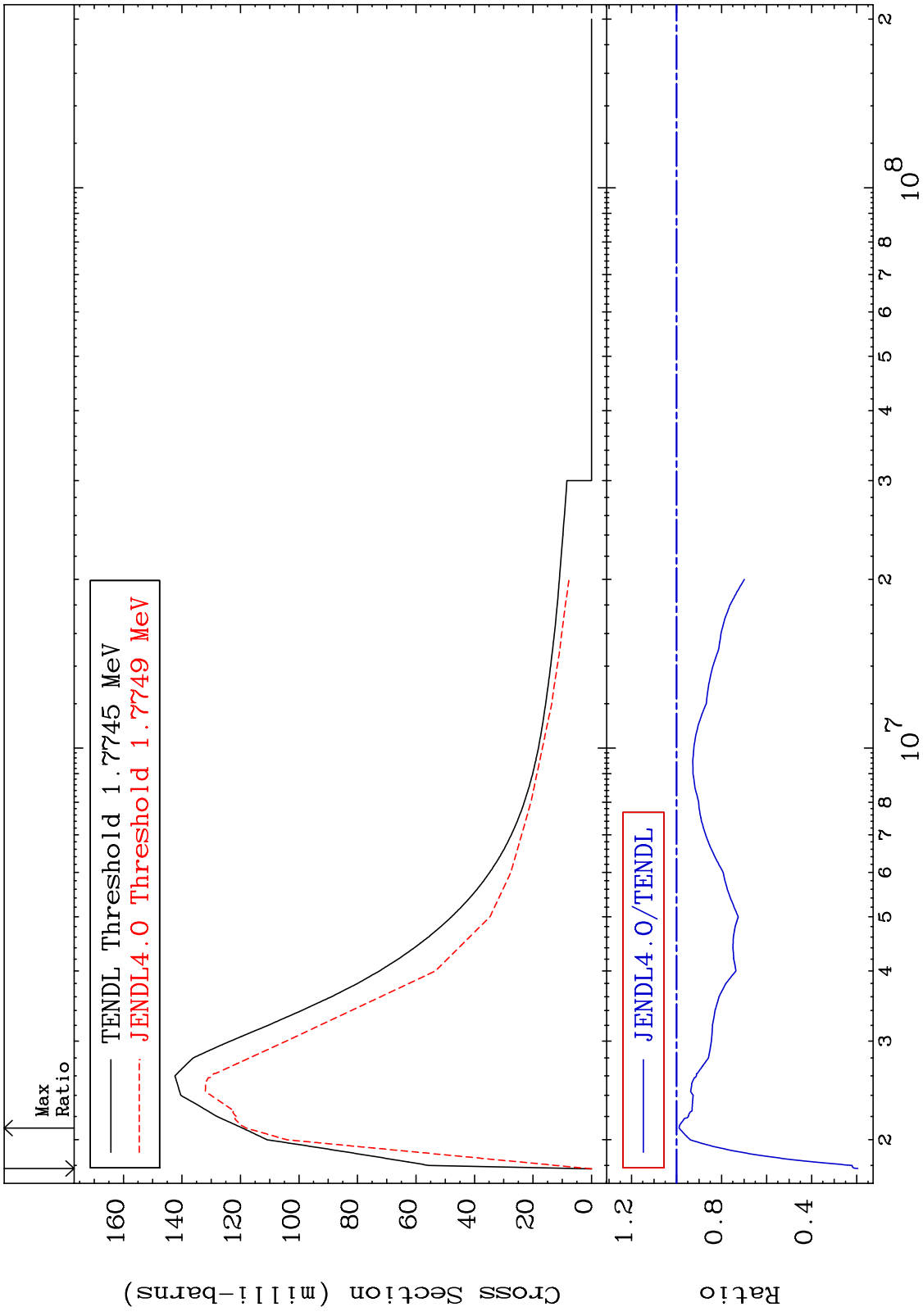
MAT 2725 MT= 55 (n,n') Level Cross Section -82.68 To 253.9 % 27-Co-59



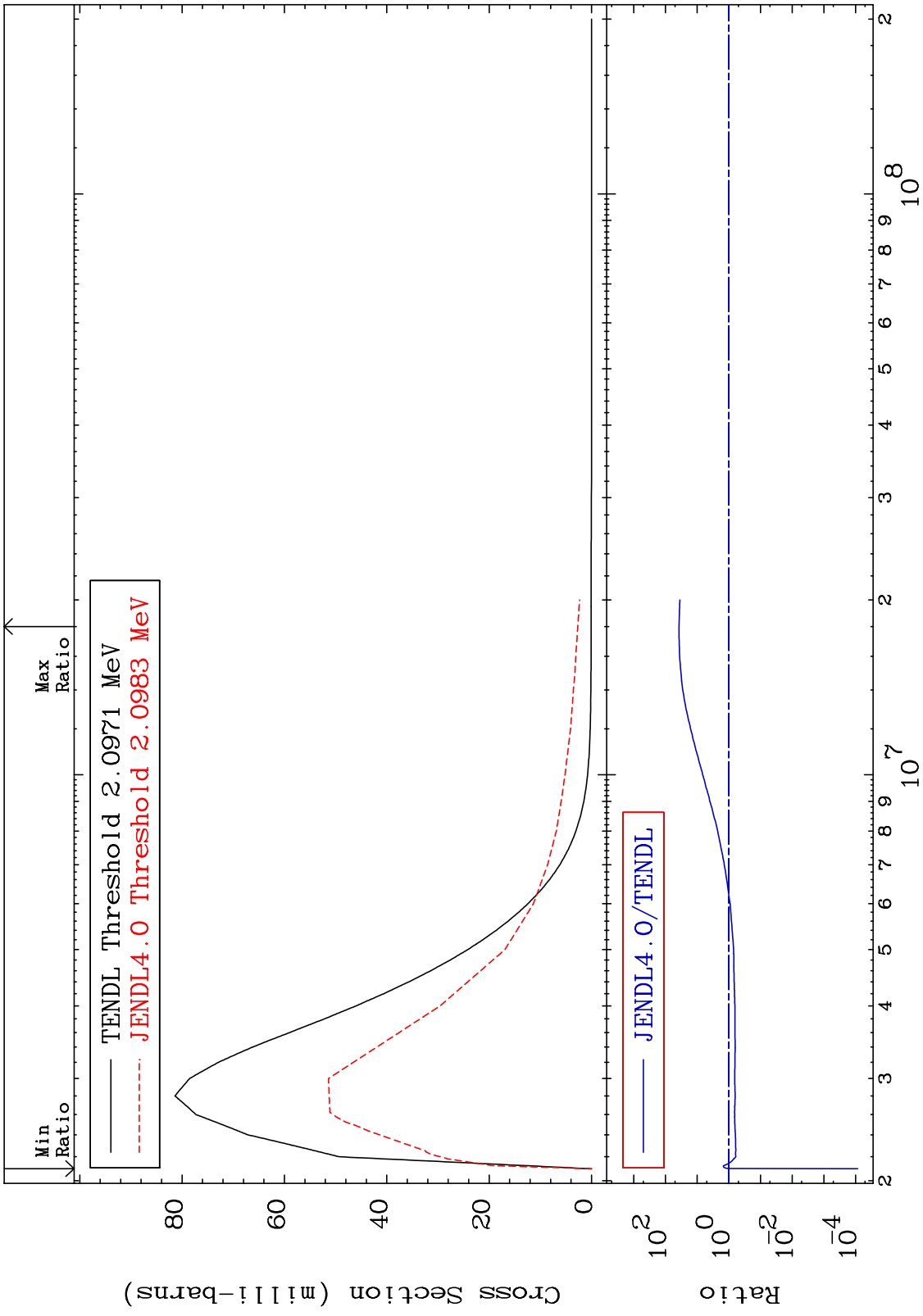
MAT 2725 MT= 56 (n,n') Level Cross Section -67.72 To 41.71 % 27-Co-59



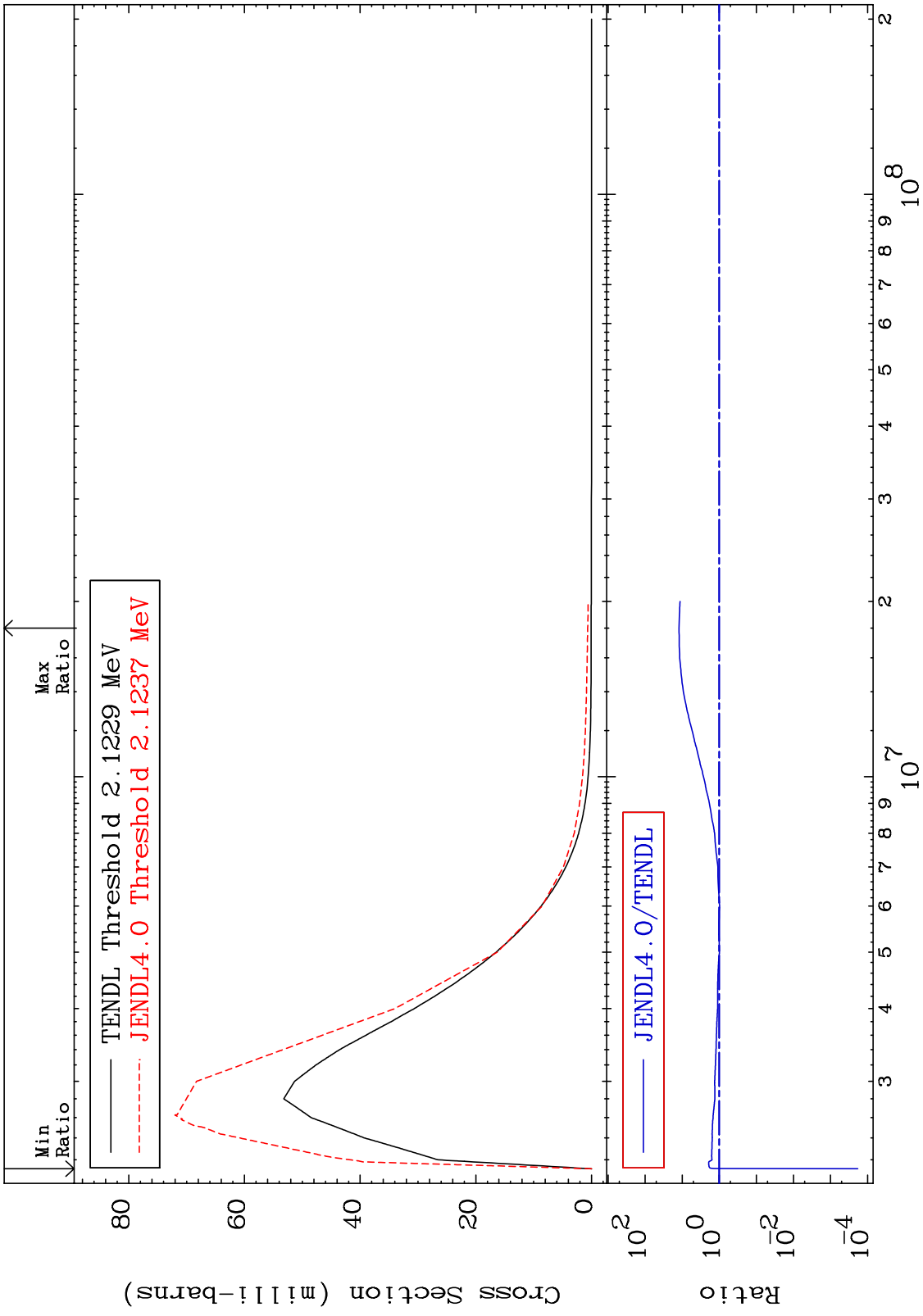
MAT 2725 MT= 57 (n,n') Level Cross Section -80.50 To -1.118% 27-Co-59



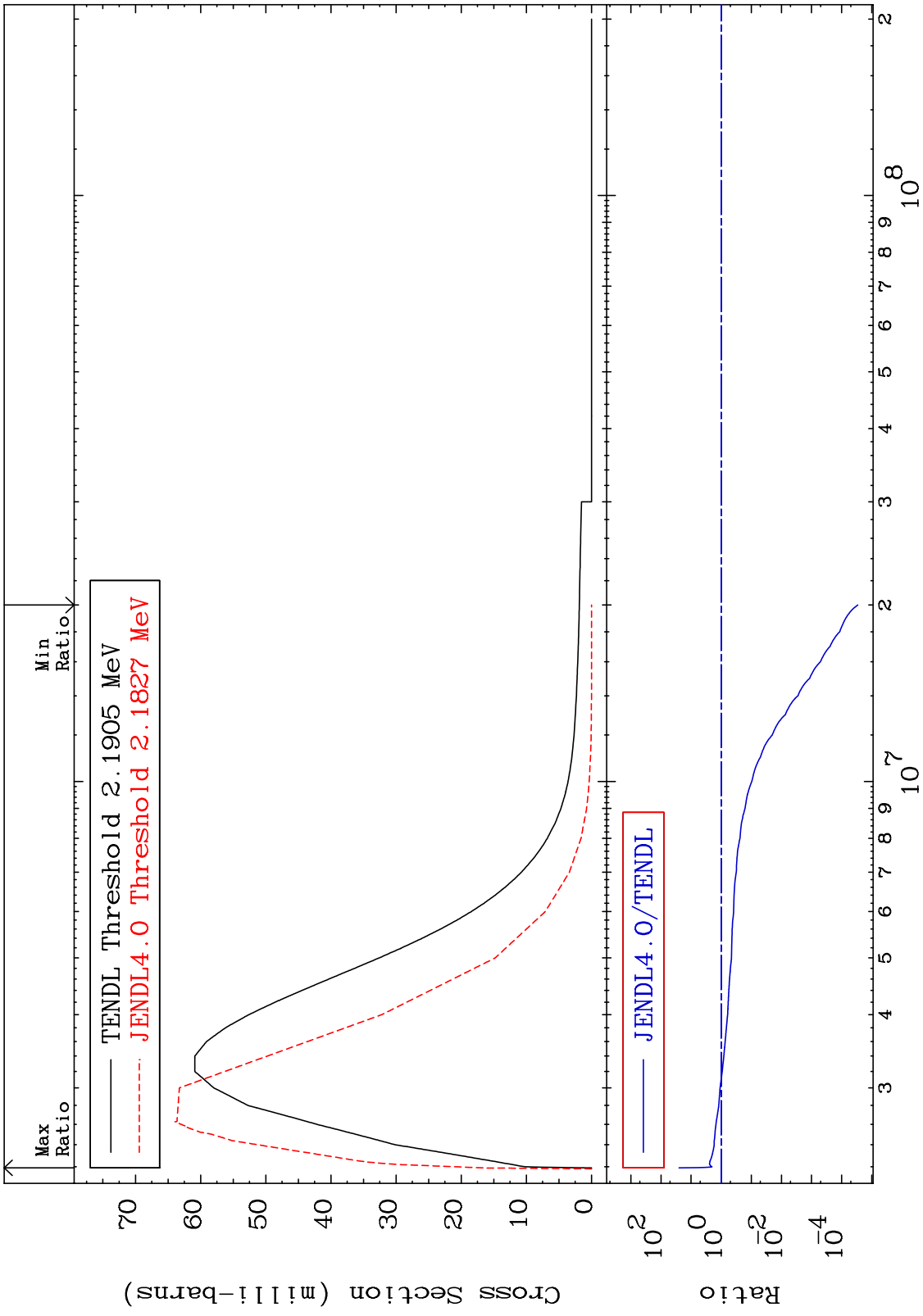
MAT 2725 MT= 58 (n,n') Level Cross Section -99.99 To 3616. % 27-Co-59



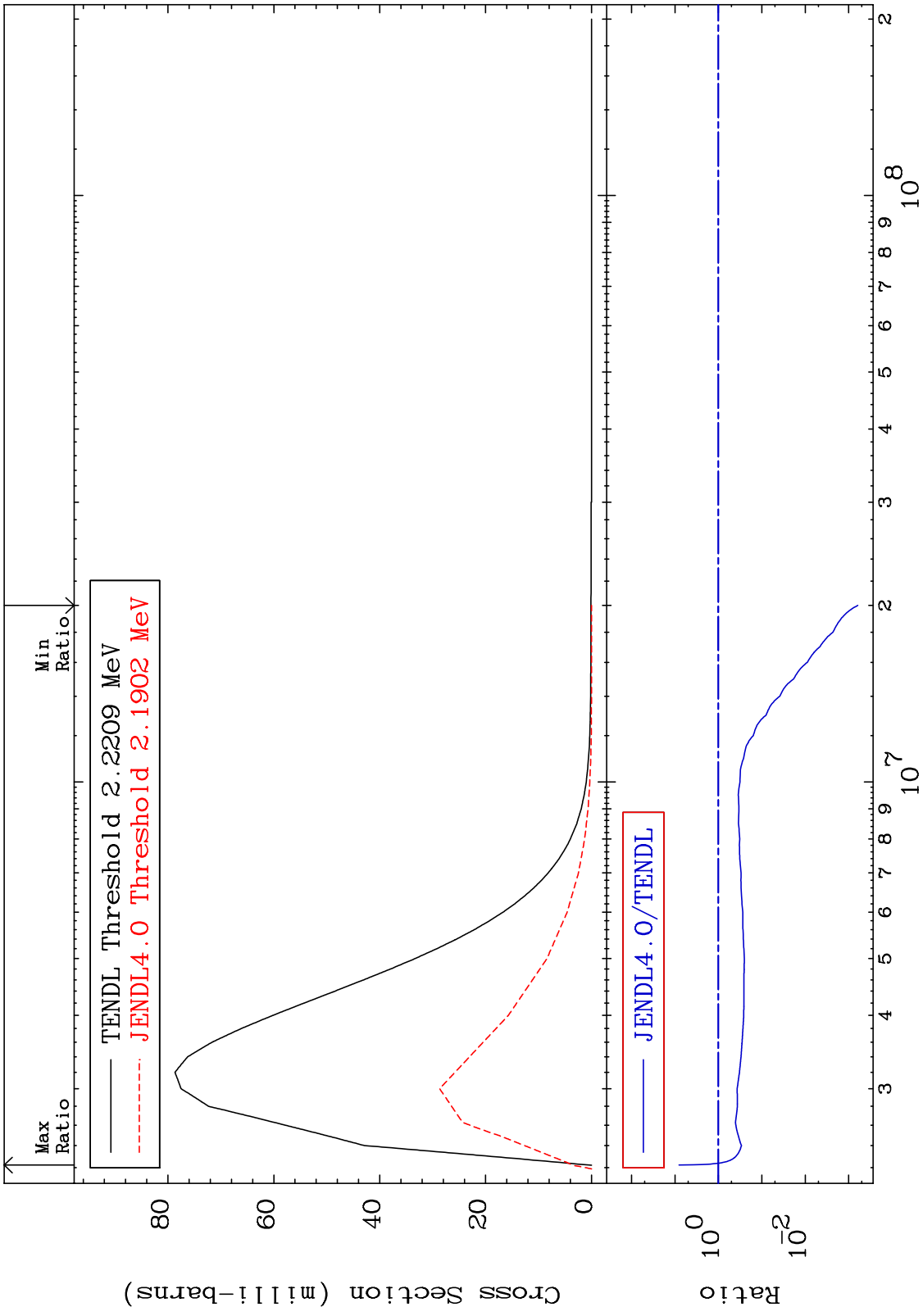
MAT 2725 MT= 59 (n,n') Level Cross Section -99.98 To 1116. % 27-Co-59



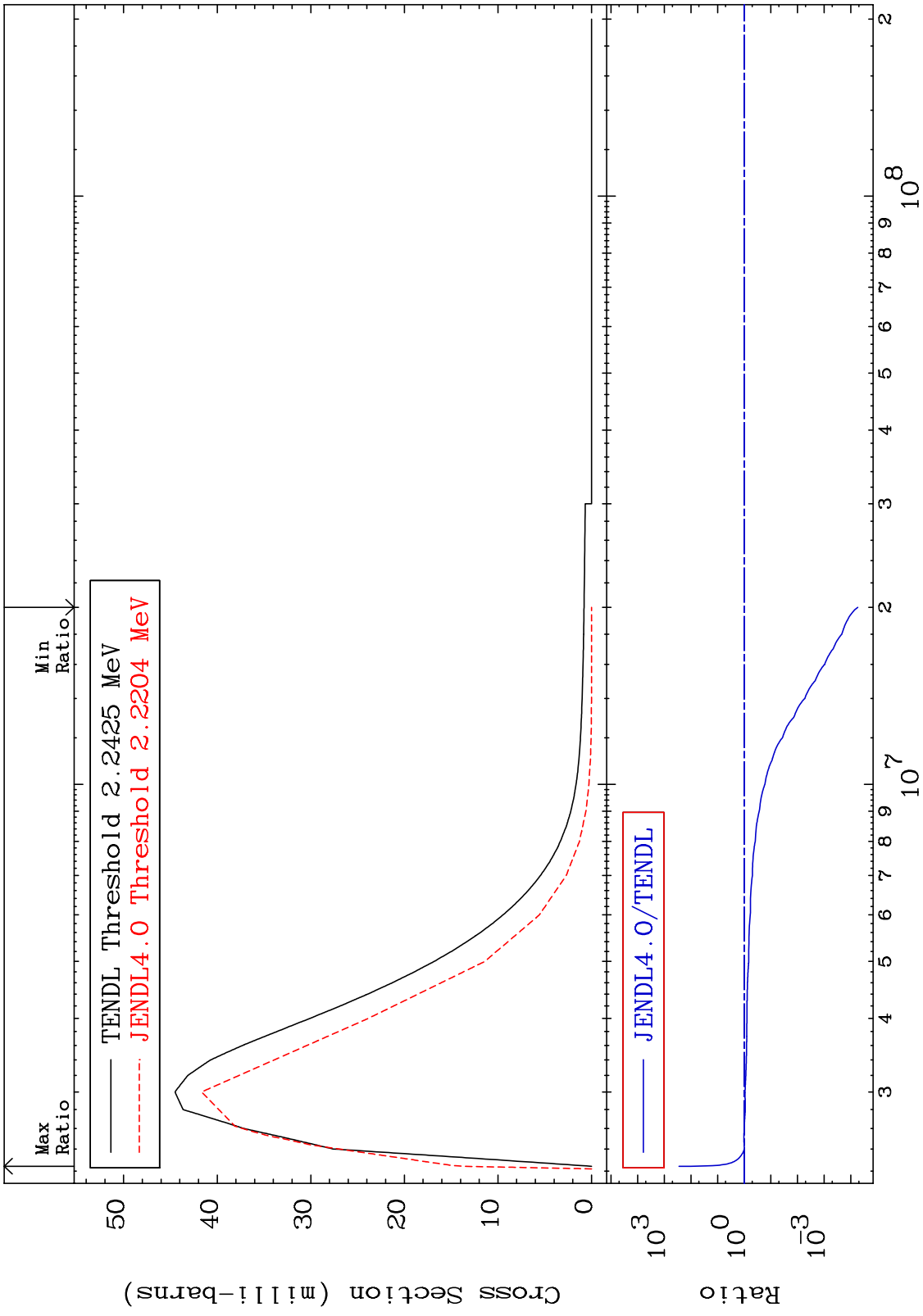
MAT 2725 MT= 60 (n,n') Level Cross Section -100.0 To 2410. % 27-Co-59



MAT 2725 MT= 61 (n,n') Level Cross Section -99.94 To 706.8 % 27-Co-59



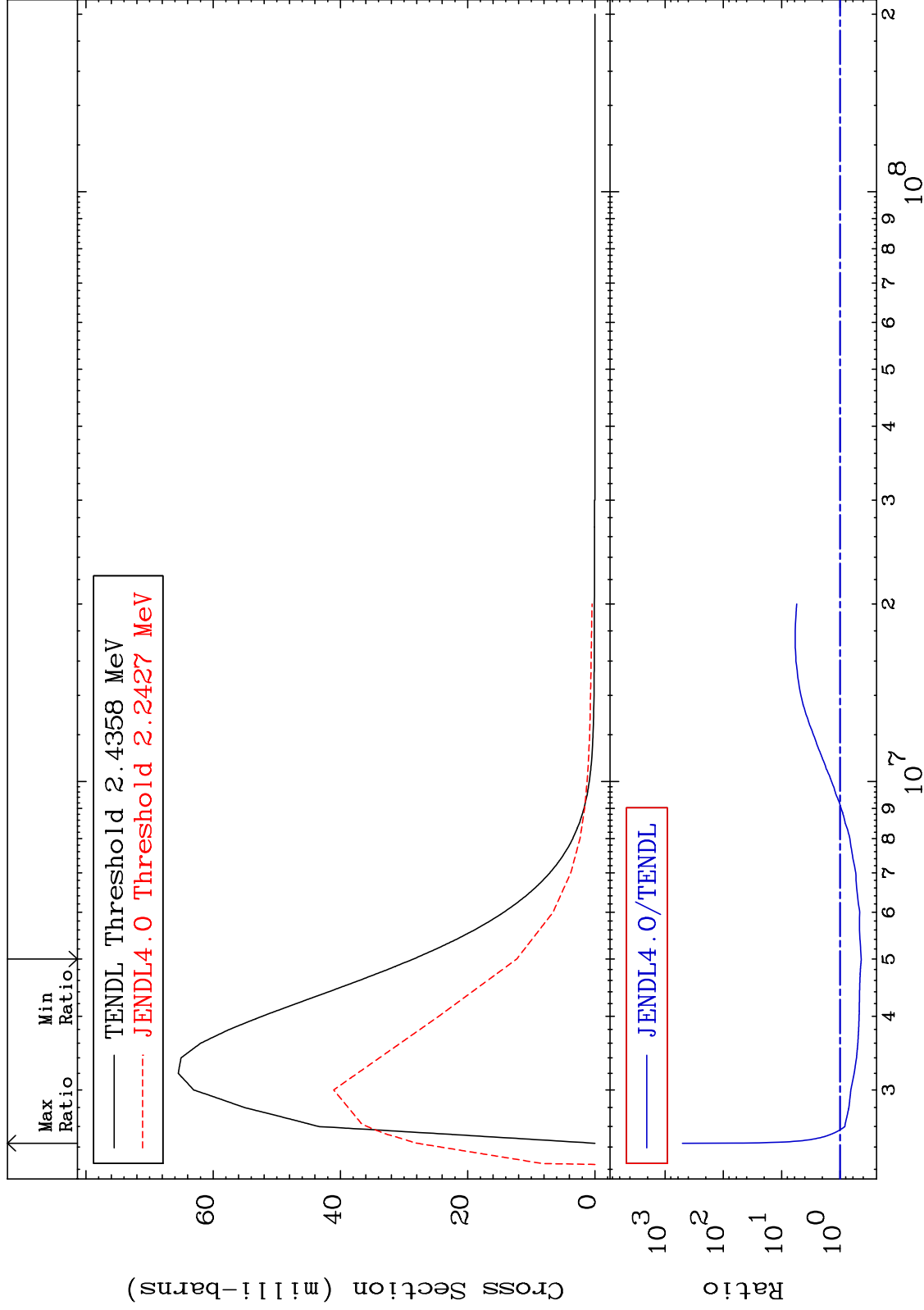
MAT 2725 MT= 62 (n,n') Level Cross Section -99.99 To 9999. % 27-Co-59



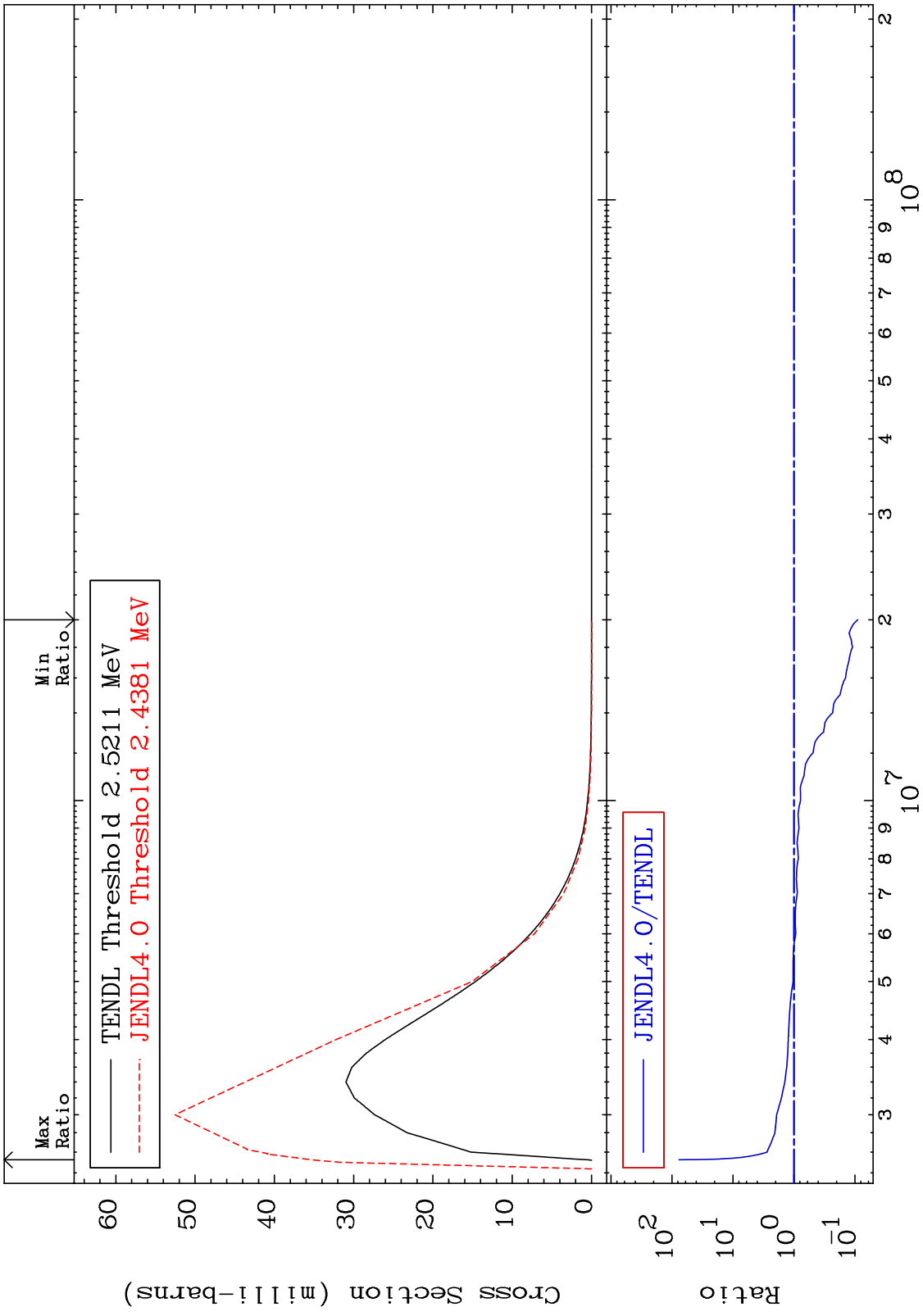
MAT 2725

MT= 63 (n,n') Level
Cross Section

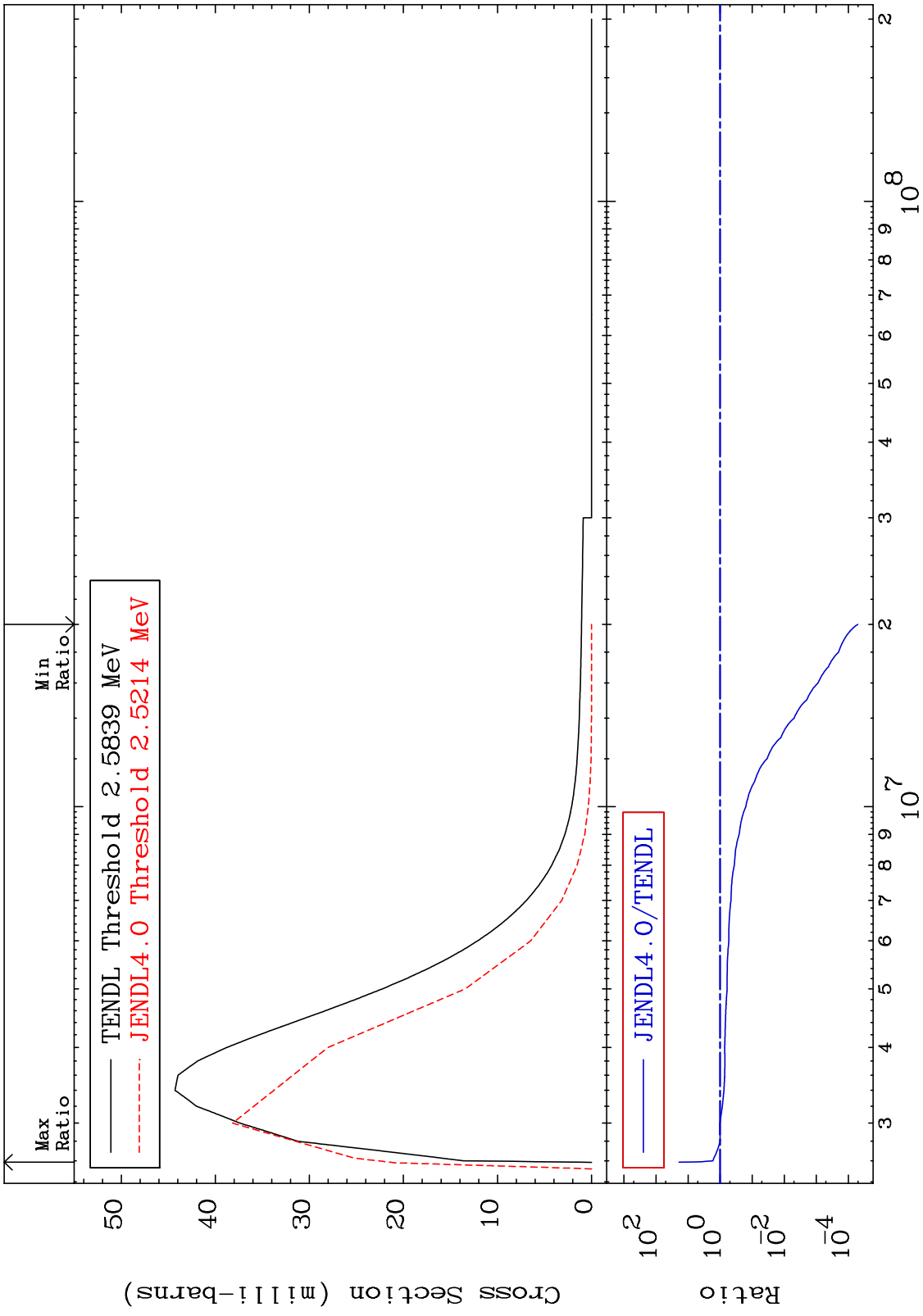
27-Co-59
-56.91 To 9999. %



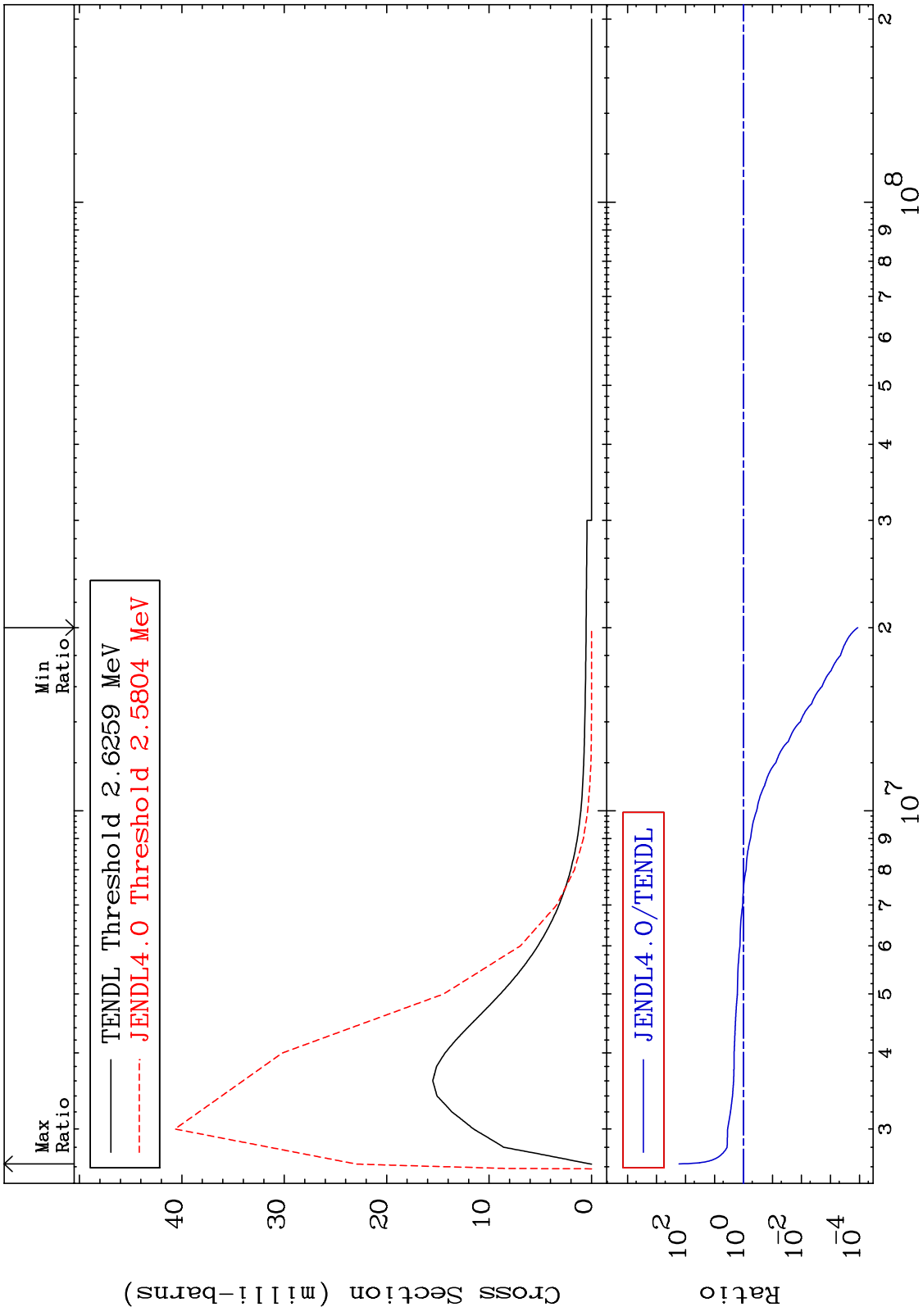
MAT 2725 MT= 64 (n,n') Level Cross Section -91.06 To 7568. % 27-Co-59



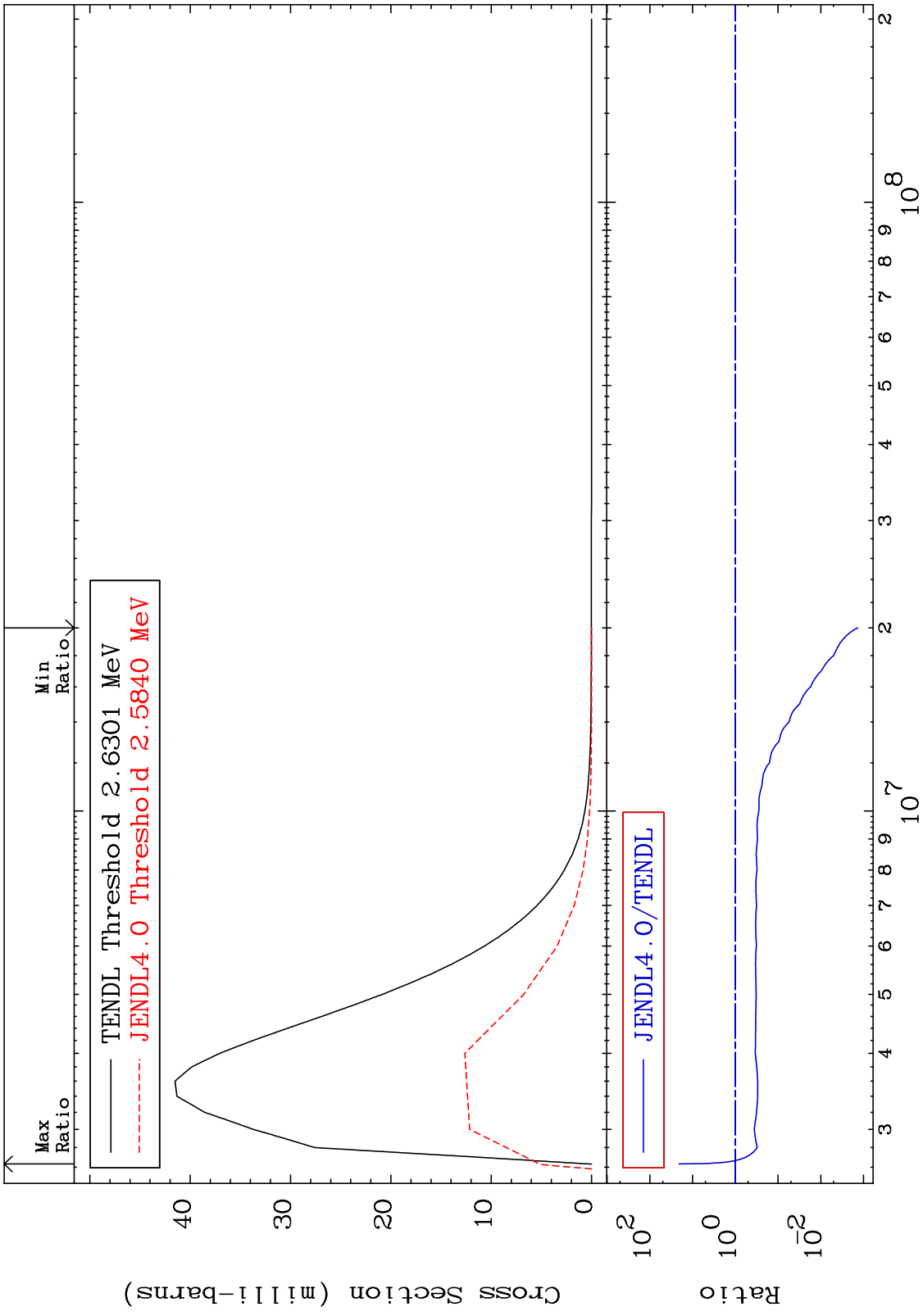
MAT 2725 MT= 65 (n,n') Level Cross Section -99.99 To 1816. % 27-Co-59



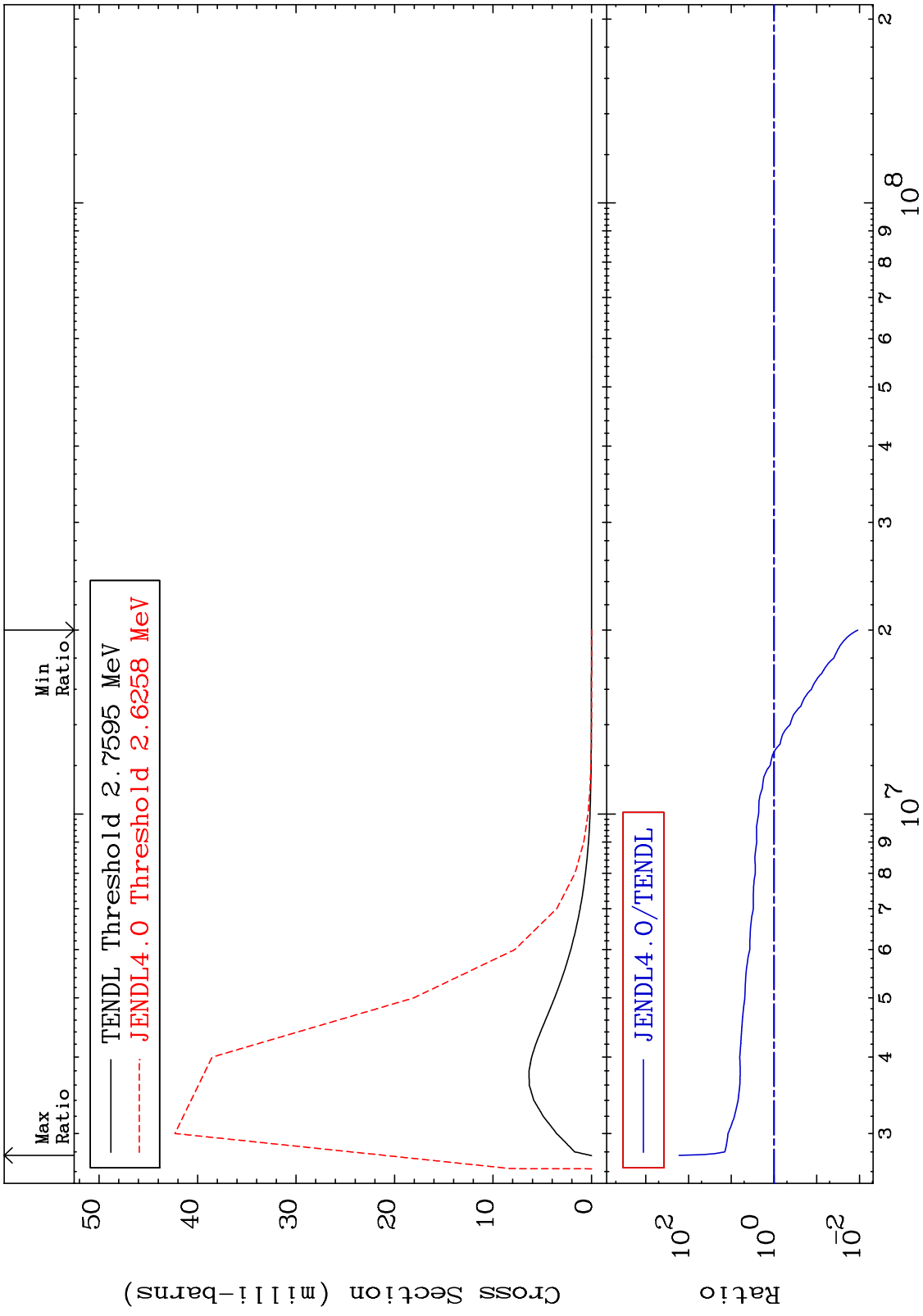
MAT 2725 MT= 66 (n,n') Level Cross Section -99.99 To 9999. % 27-Co-59



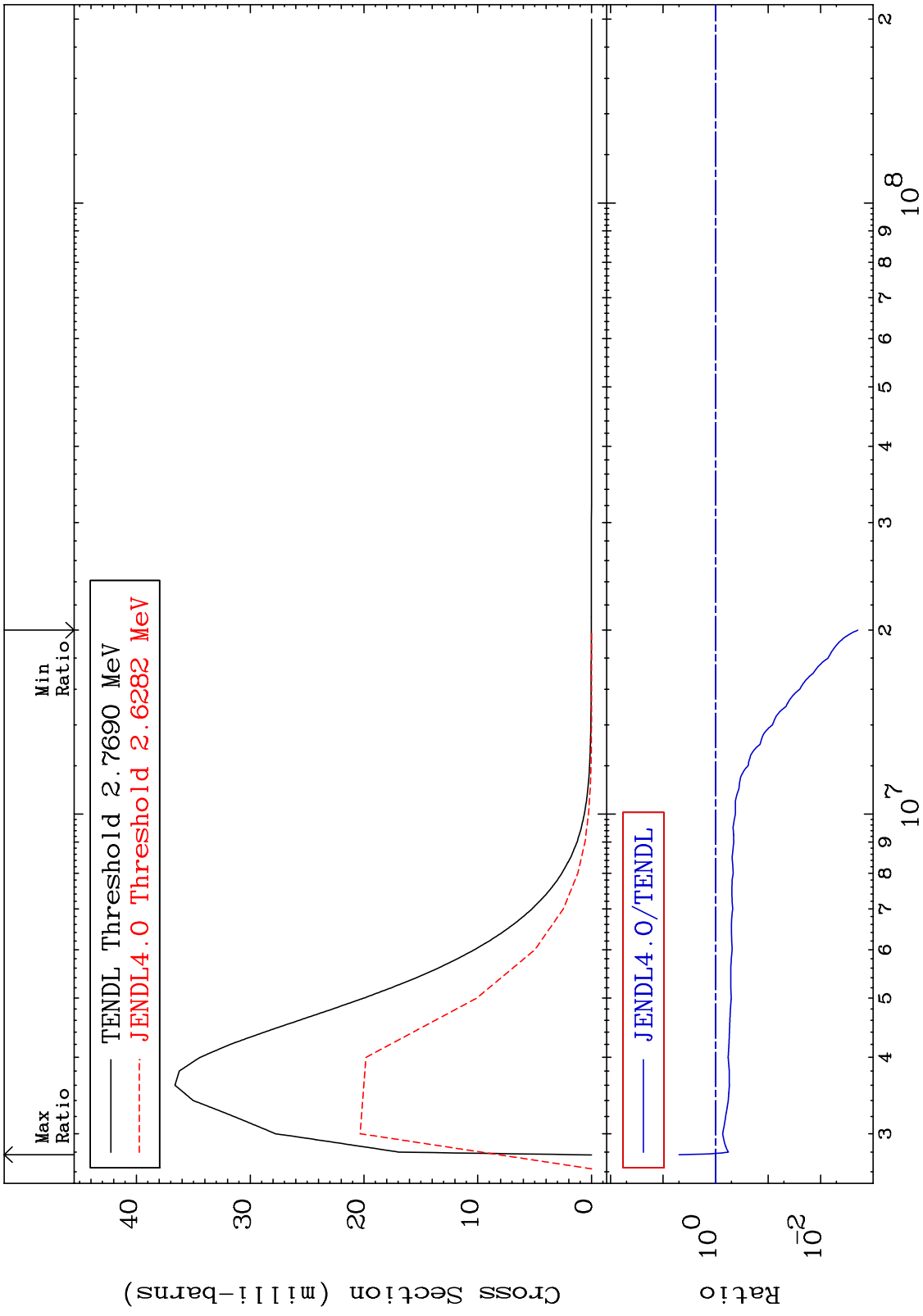
MAT 2725 MT= 67 (n,n') Level Cross Section -99.86 To 1972. % 27-Co-59



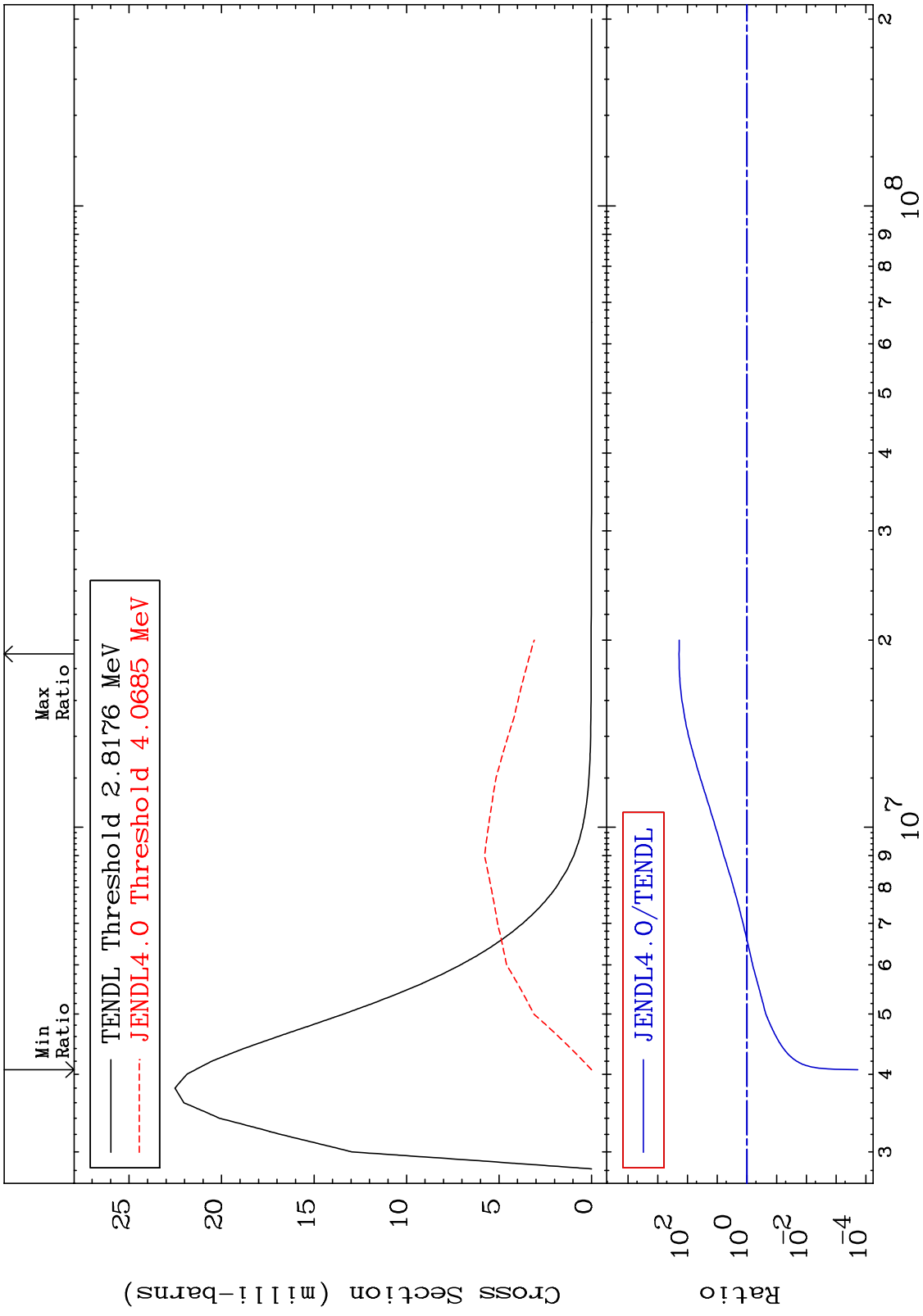
MAT 2725 MT= 68 (n,n') Level Cross Section -98.90 To 9999. % 27-Co-59



MAT 2725 MT= 69 (n,n') Level Cross Section -99.80 To 397.0 % 27-Co-59

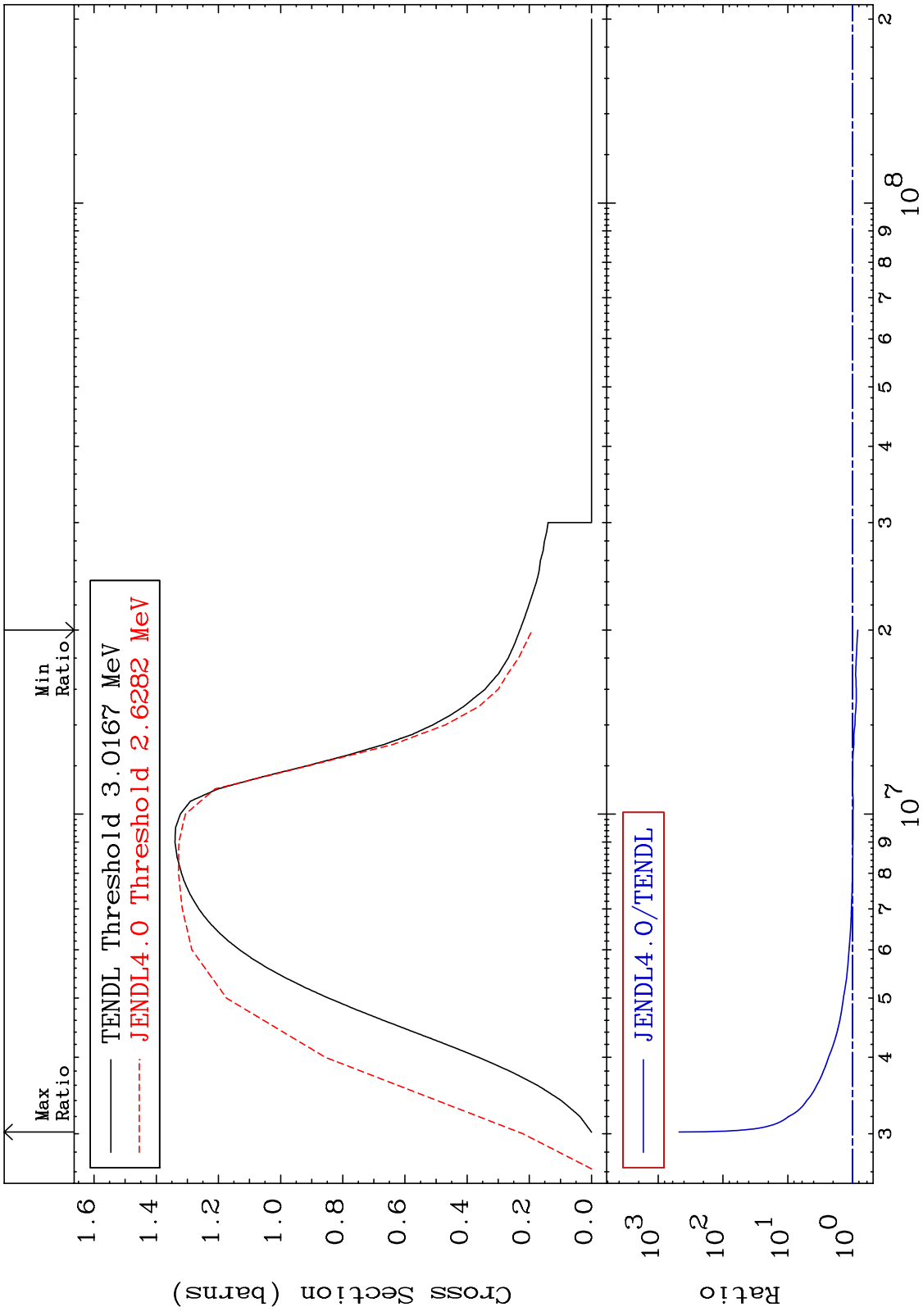


MAT 2725 MT= 70 (n,n') Level Cross Section -99.98 To 9999. % 27-Co-59



26 27-Co-59

MAT 2725 (n,n') Continuum Cross Section -17.05 To 9999. % 27-Co-59



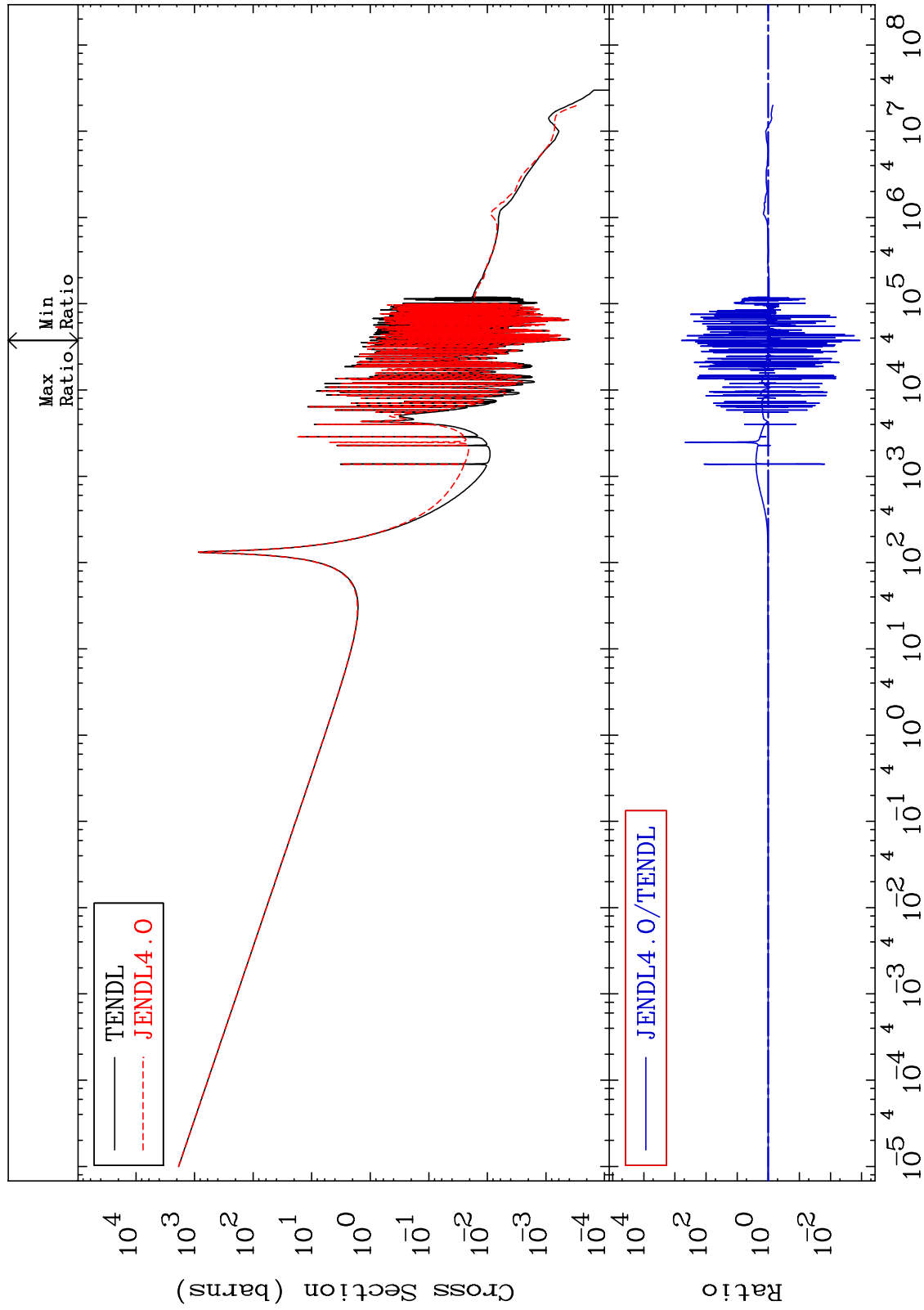
MAT 2725

(n, γ)

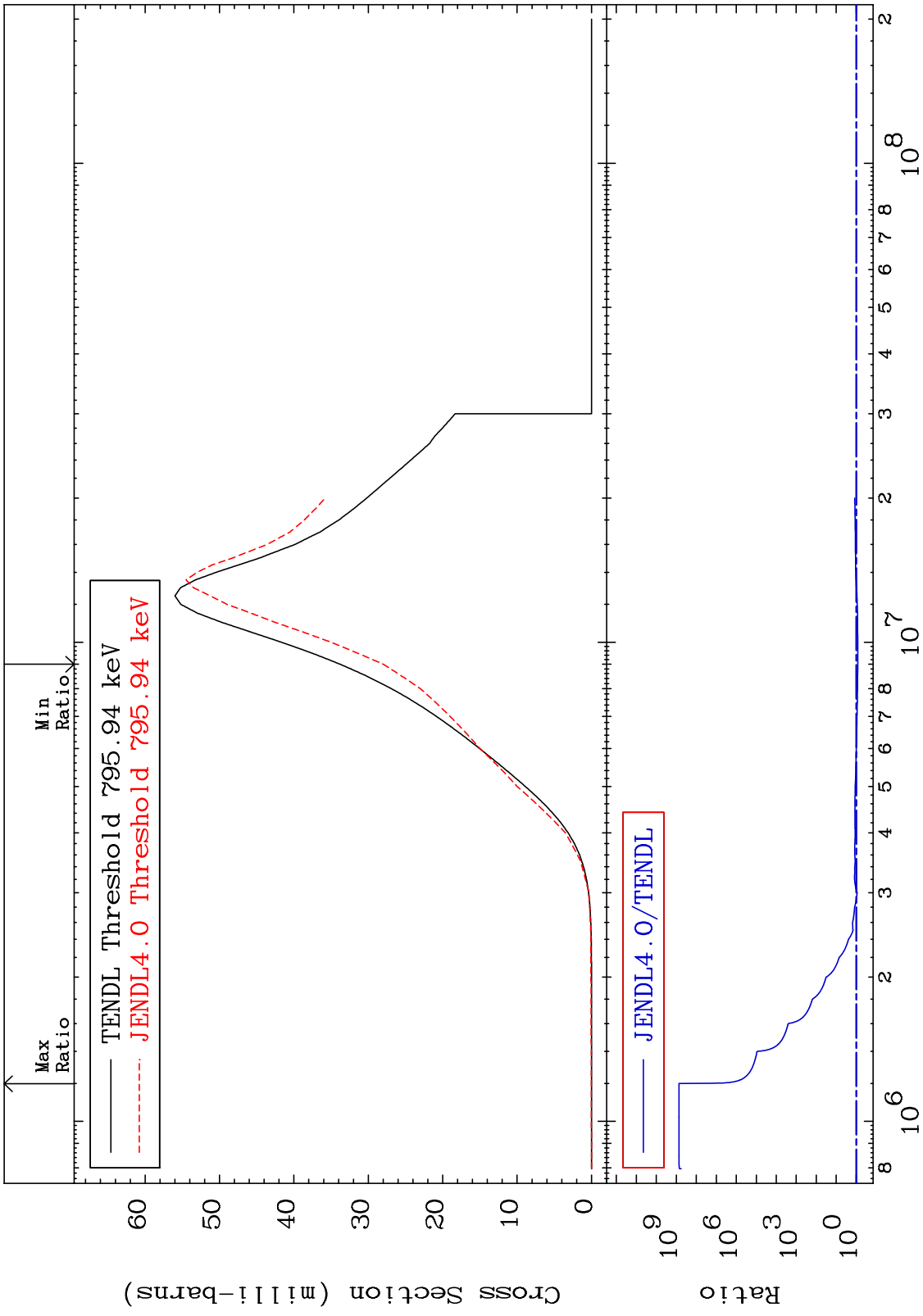
27-Co-59

Cross Section

-99.89 To 9999. %

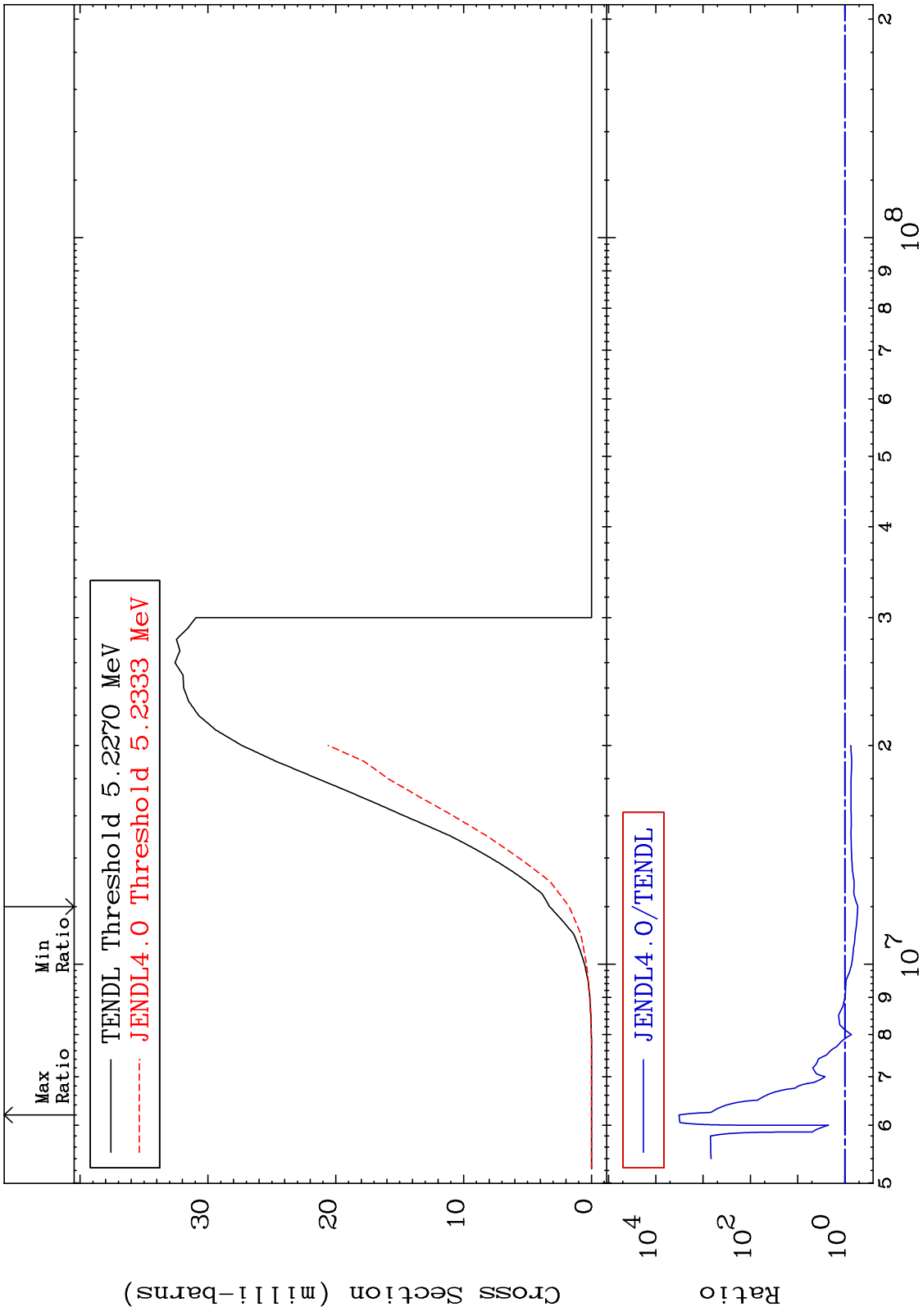


MAT 2725 (n,p) 27-Co-59
 -17.15 To 9999. %
 Cross Section



27-Co-59

MAT 2725 (n,d) 27-Co-59
 Cross Section -46.57 To 9999. %



30 27-Co-59

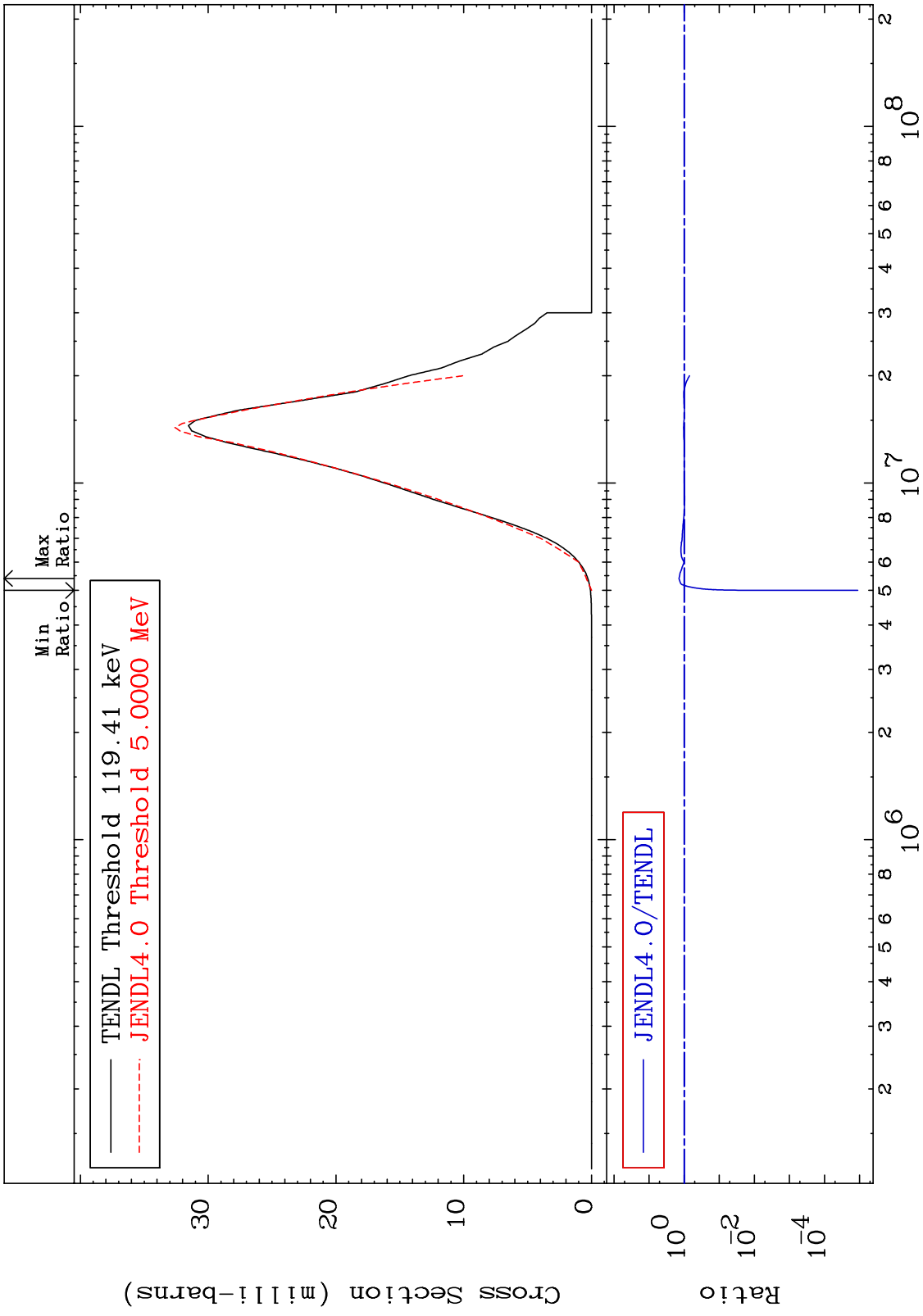
MAT 2725

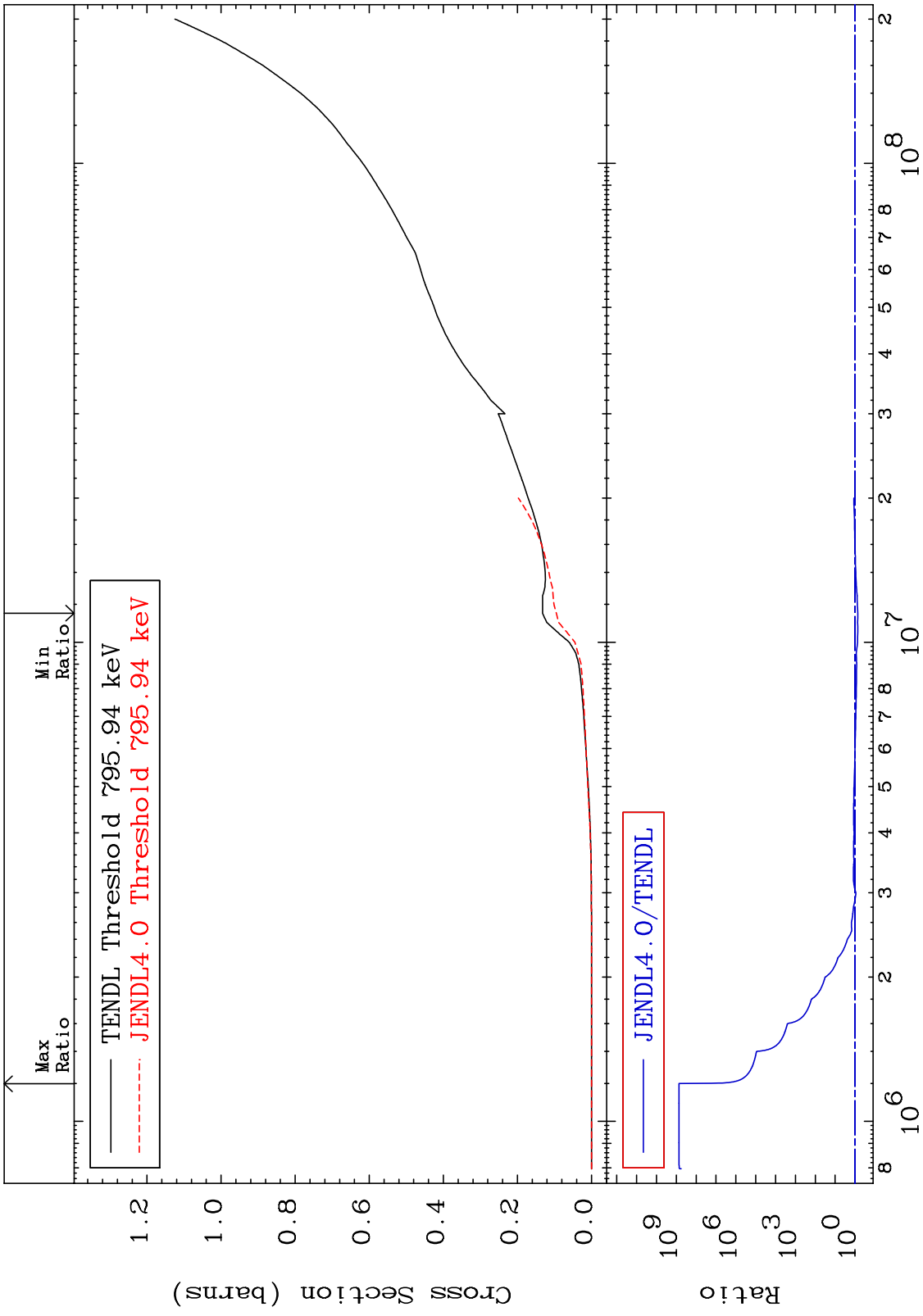
(n, α)

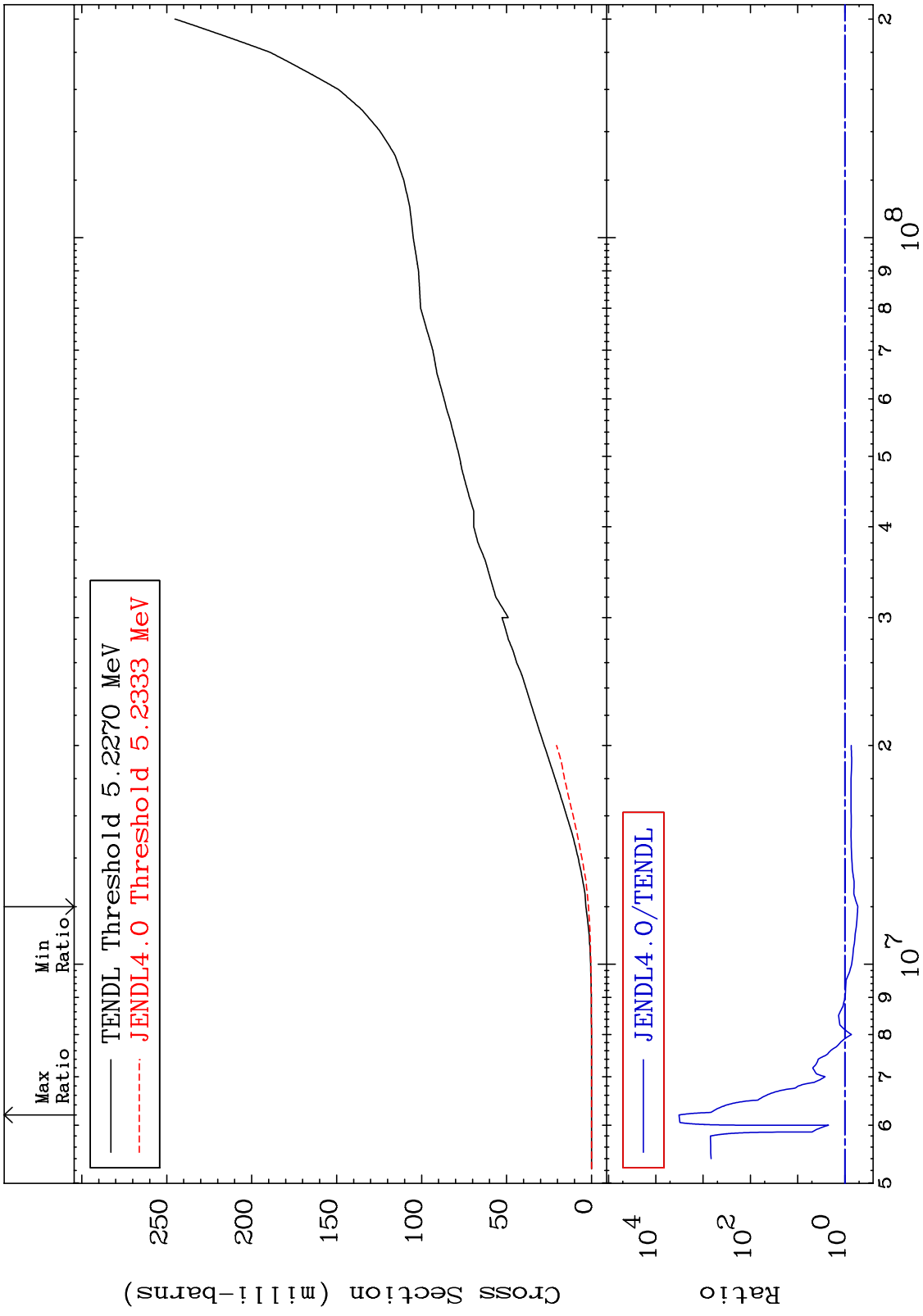
27-Co-59

Cross Section

-100.0 To 39.64 %



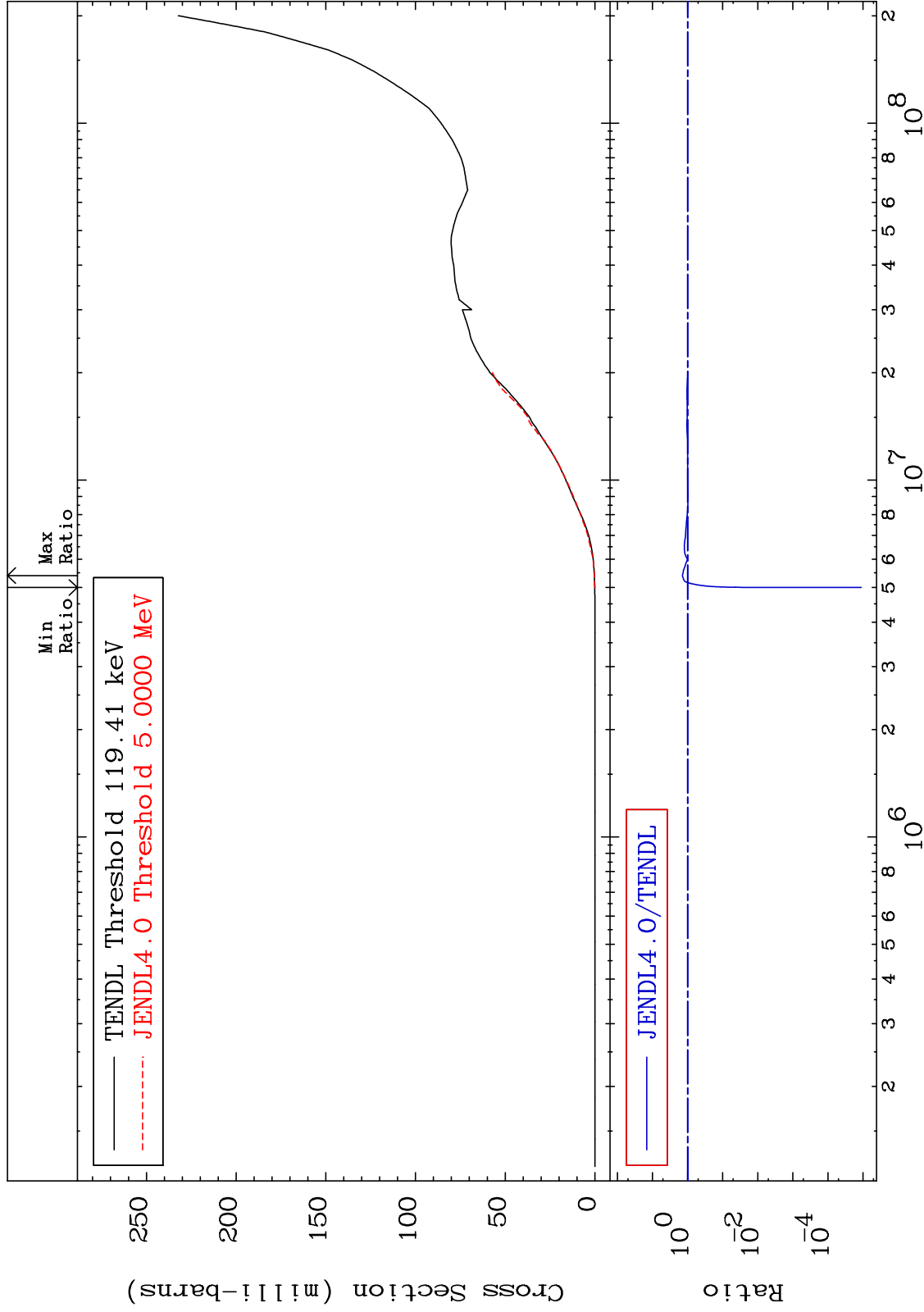




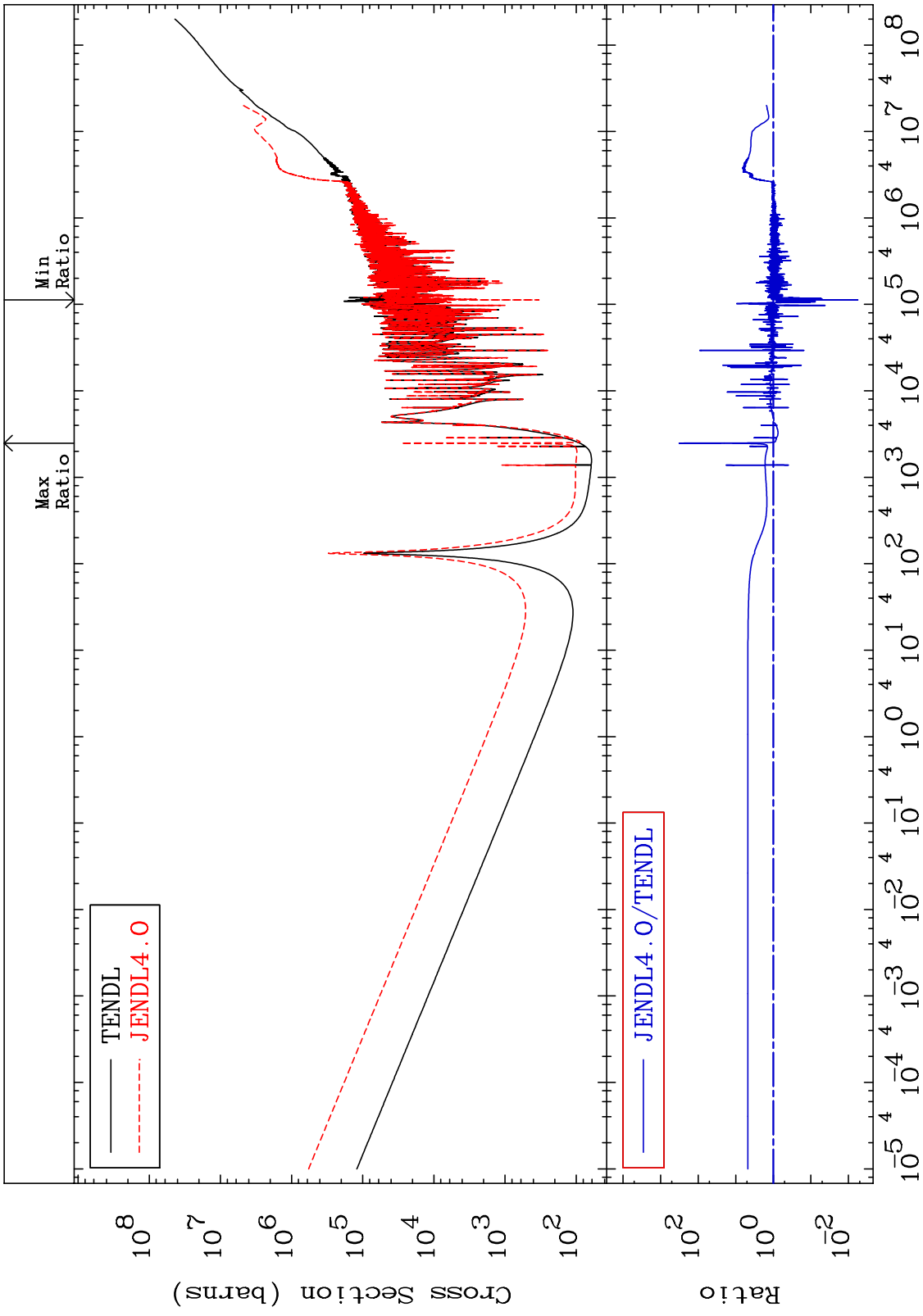
MAT 2725

He-4 Production
Cross Section

27-Co-59
-100.0 To 39.64 %



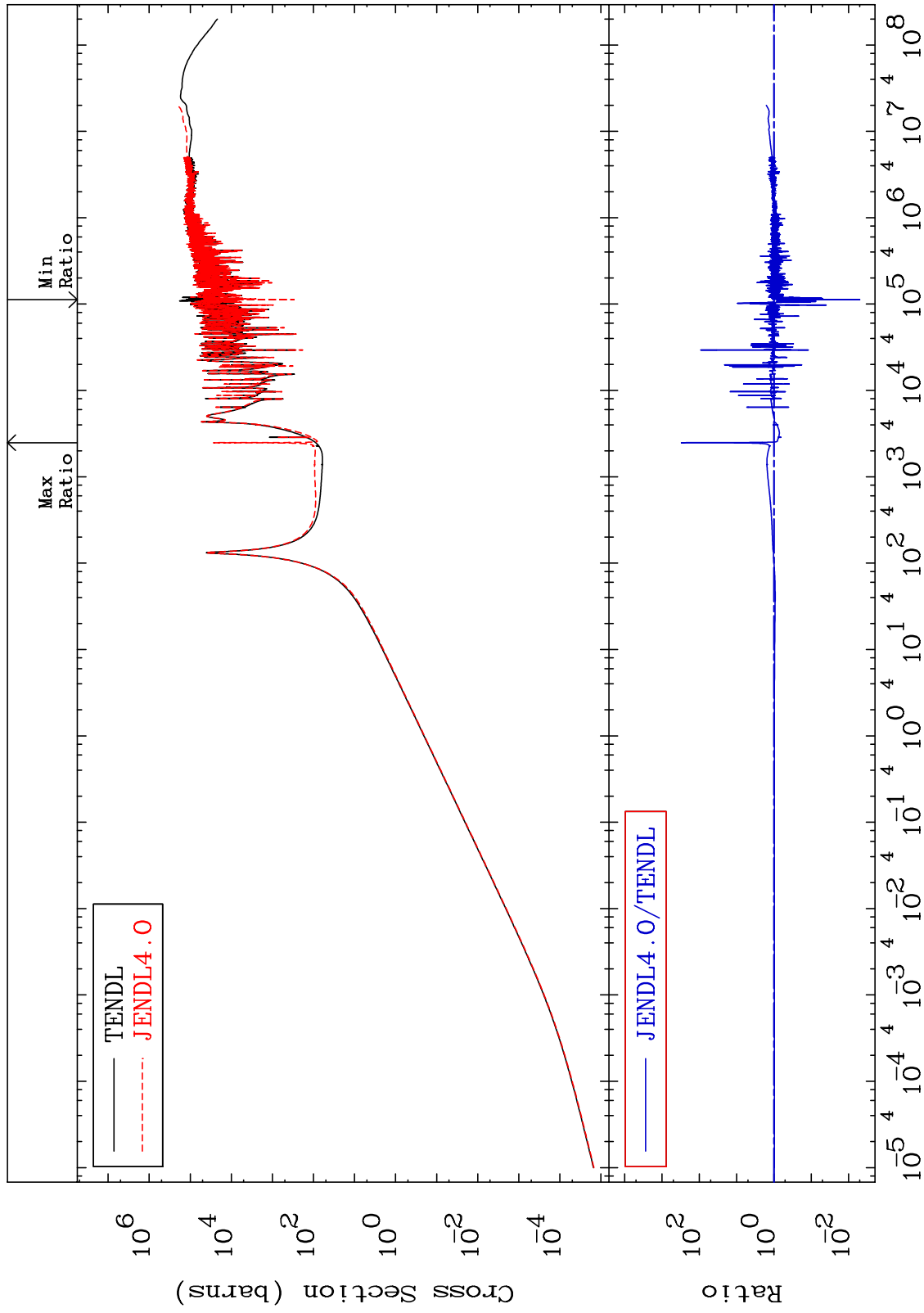
MAT 2725 Kerma total (eV-barns)
 Cross Section -99.44 To 9999. % 27-Co-59



MAT 2725

Kerma elastic
Cross Section

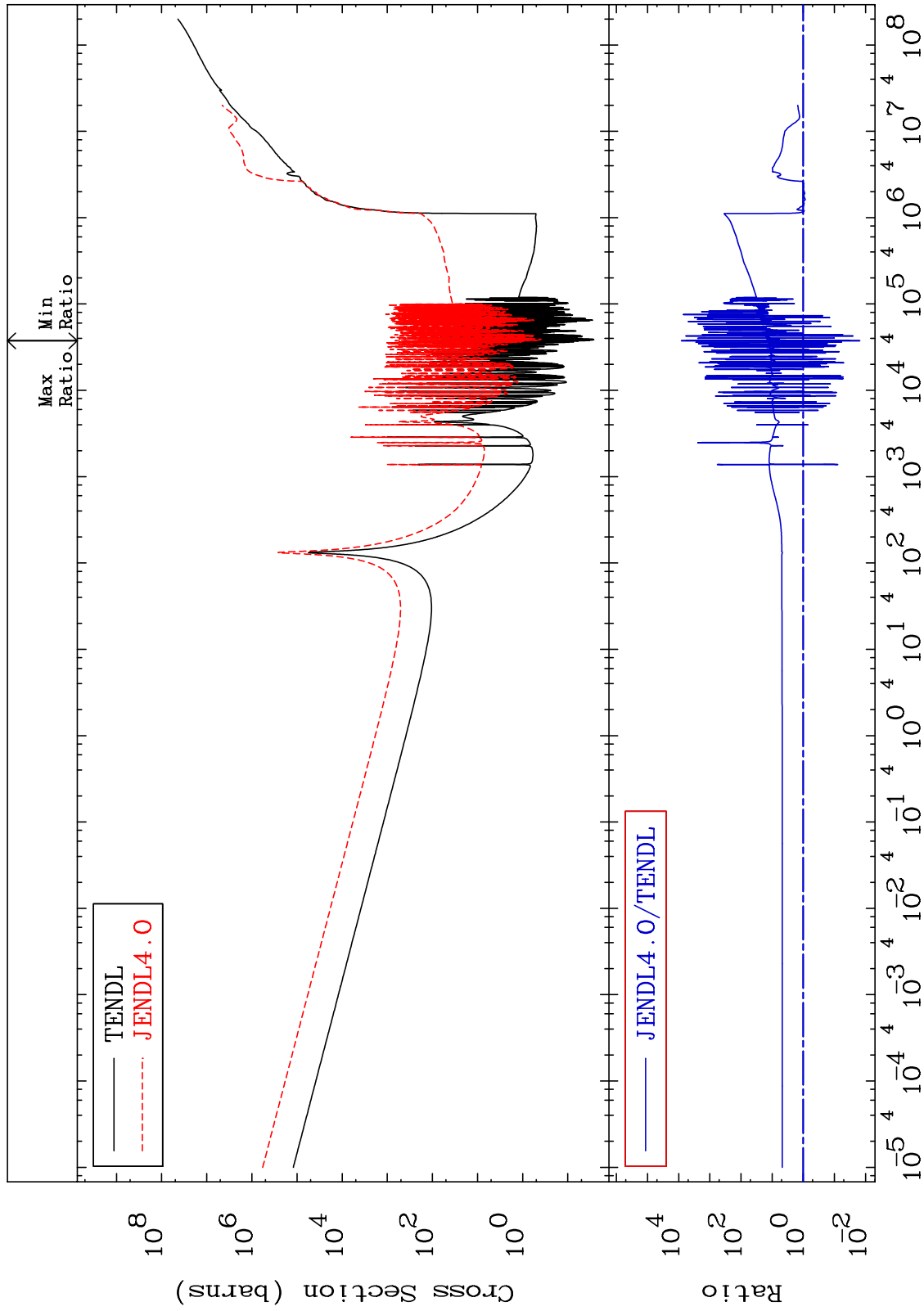
27-Co-59
-99.50 To 9999. %

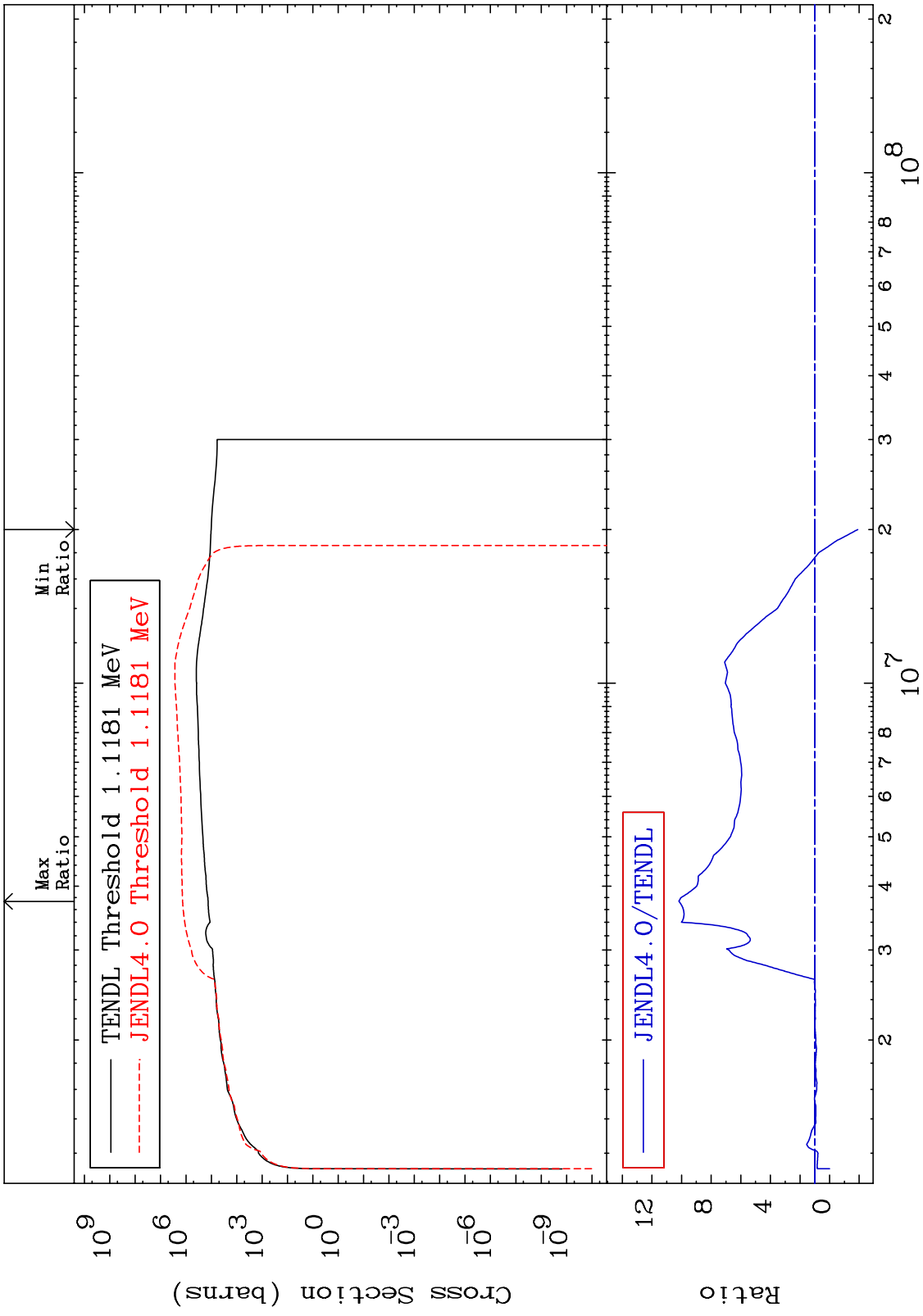


MAT 2725

Kerma non-elastic (all but mt2)
Cross Section

27-Co-59
-98.47 To 9999. %

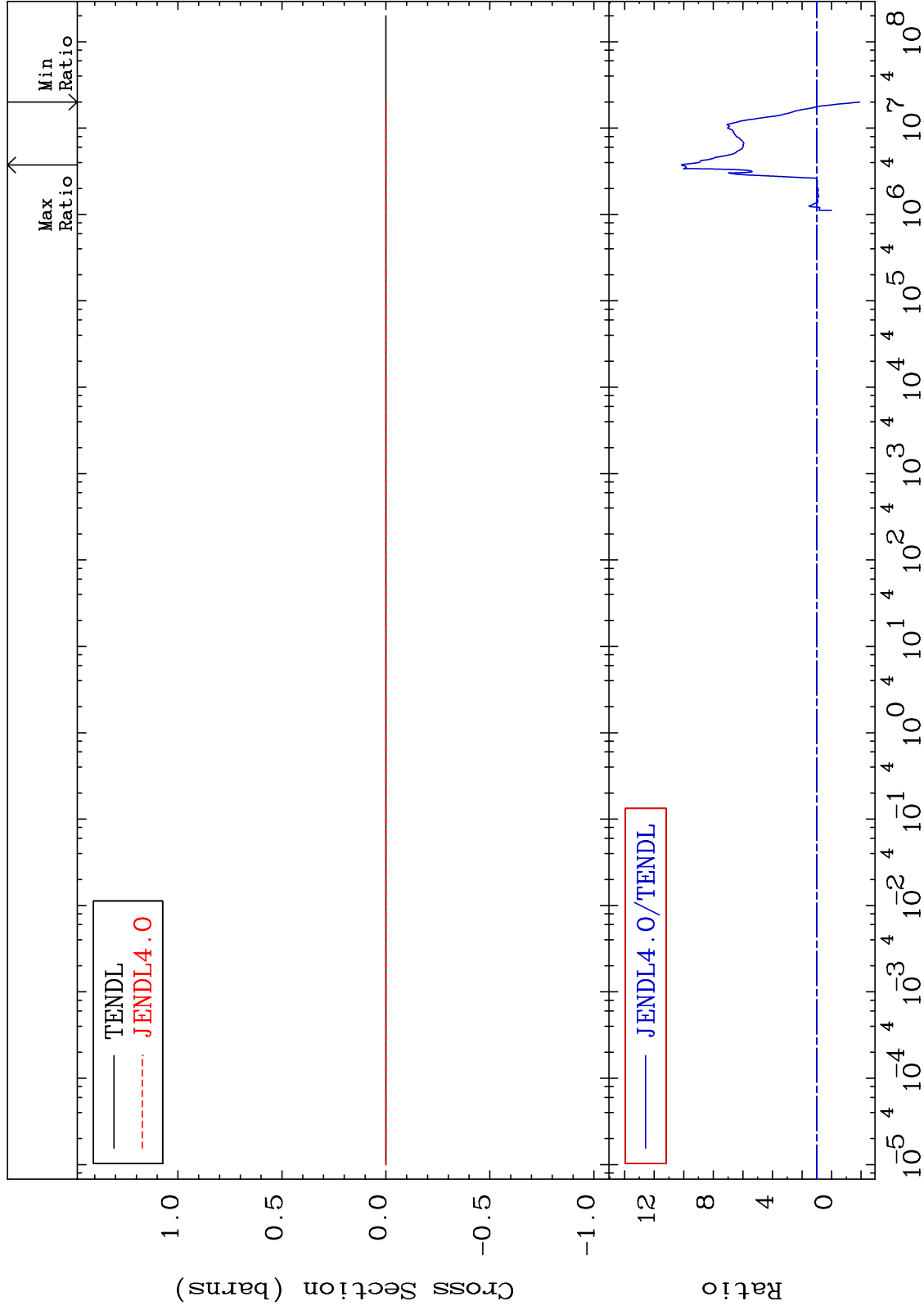




MAT 2725

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

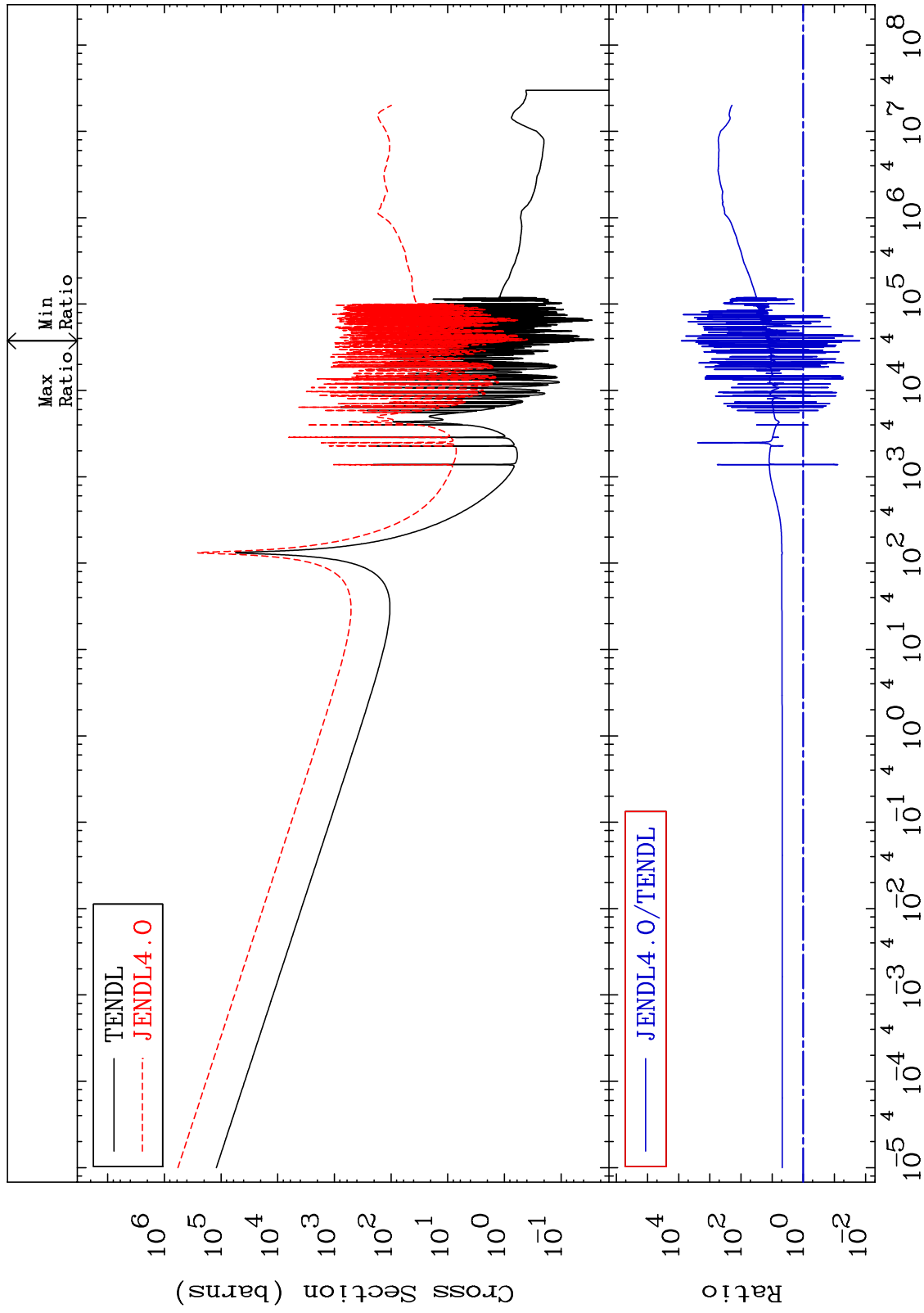
27-Co-59
-290.9 To 916.8 %



MAT 2725

Kerma capture (mt102)
Cross Section

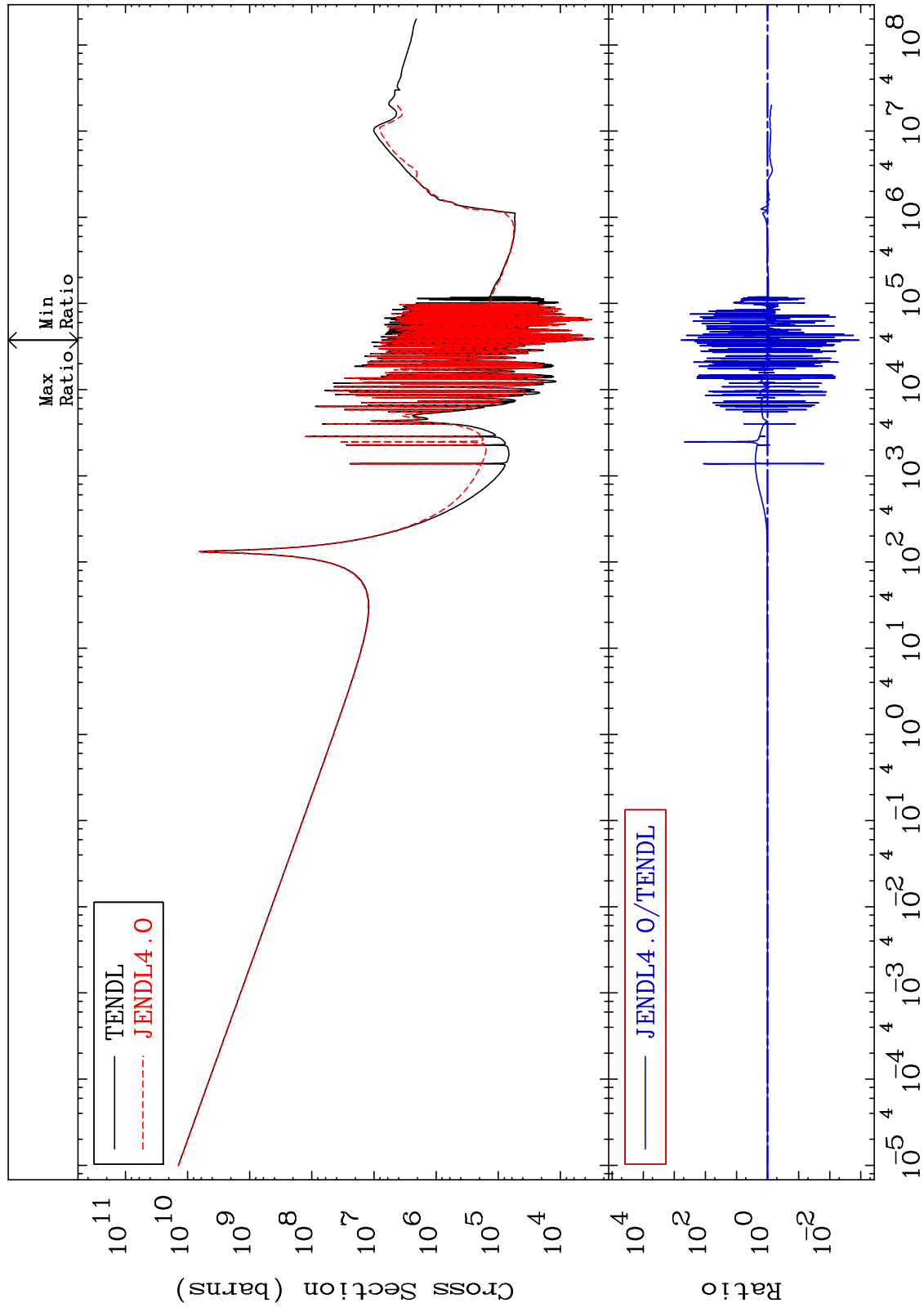
27-Co-59
-98.47 To 9999. %



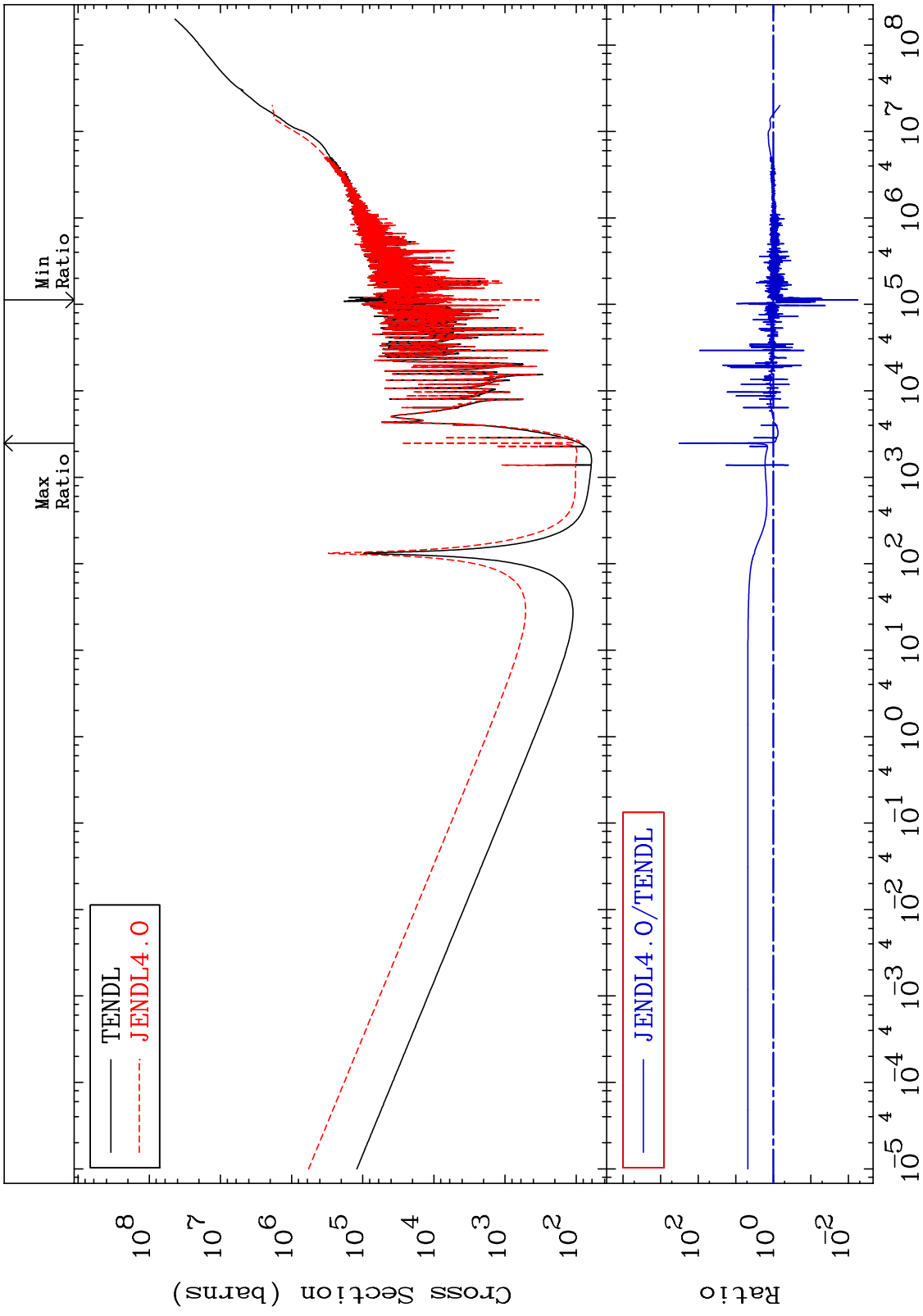
MAT 2725

Total photon (eV-barns)
Cross Section

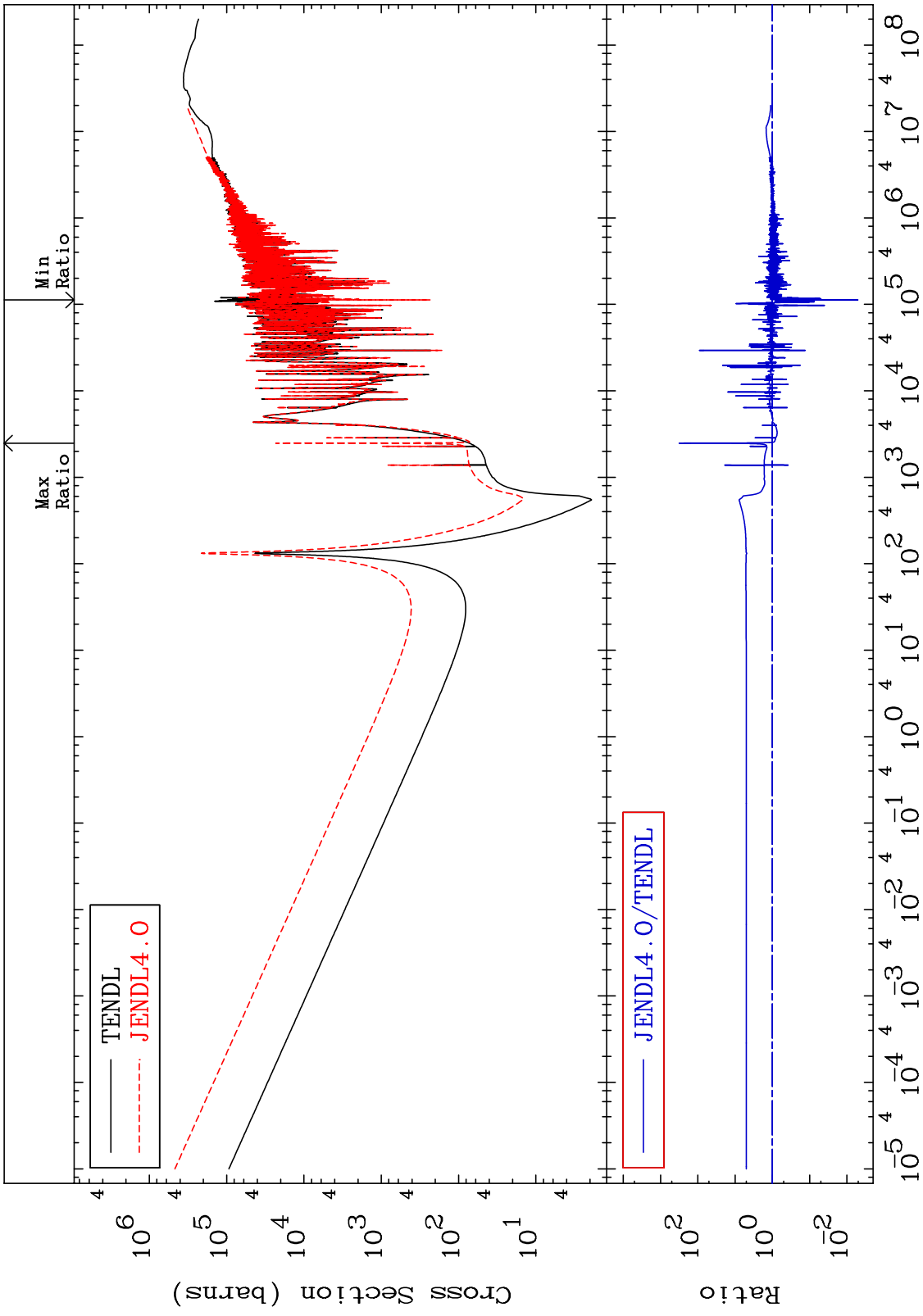
27-Co-59
-99.89 To 9999. %



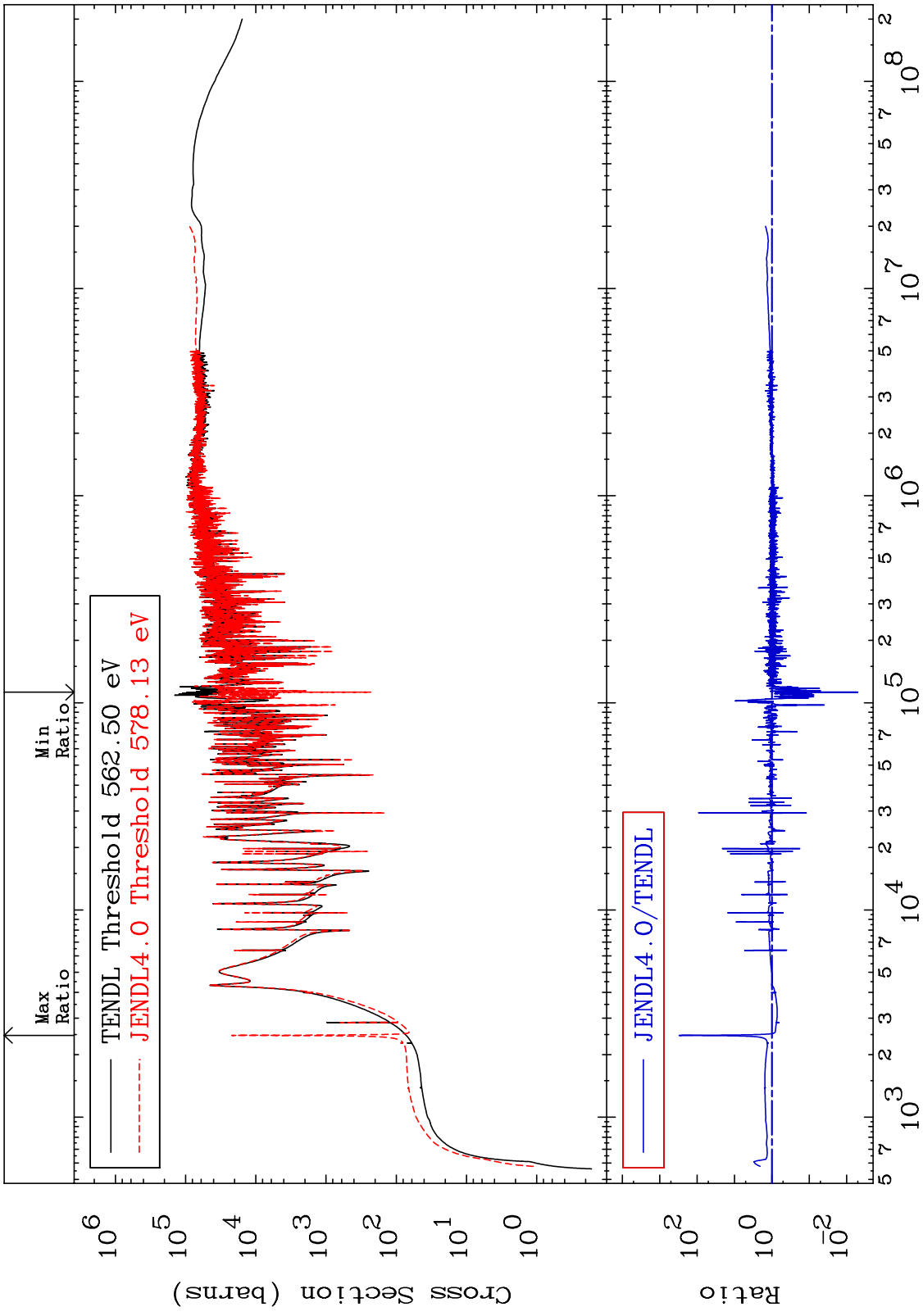
MAT 2725 Total kinematic kerma (high limit) 27-Co-59
 Cross Section -99.44 To 9999. %



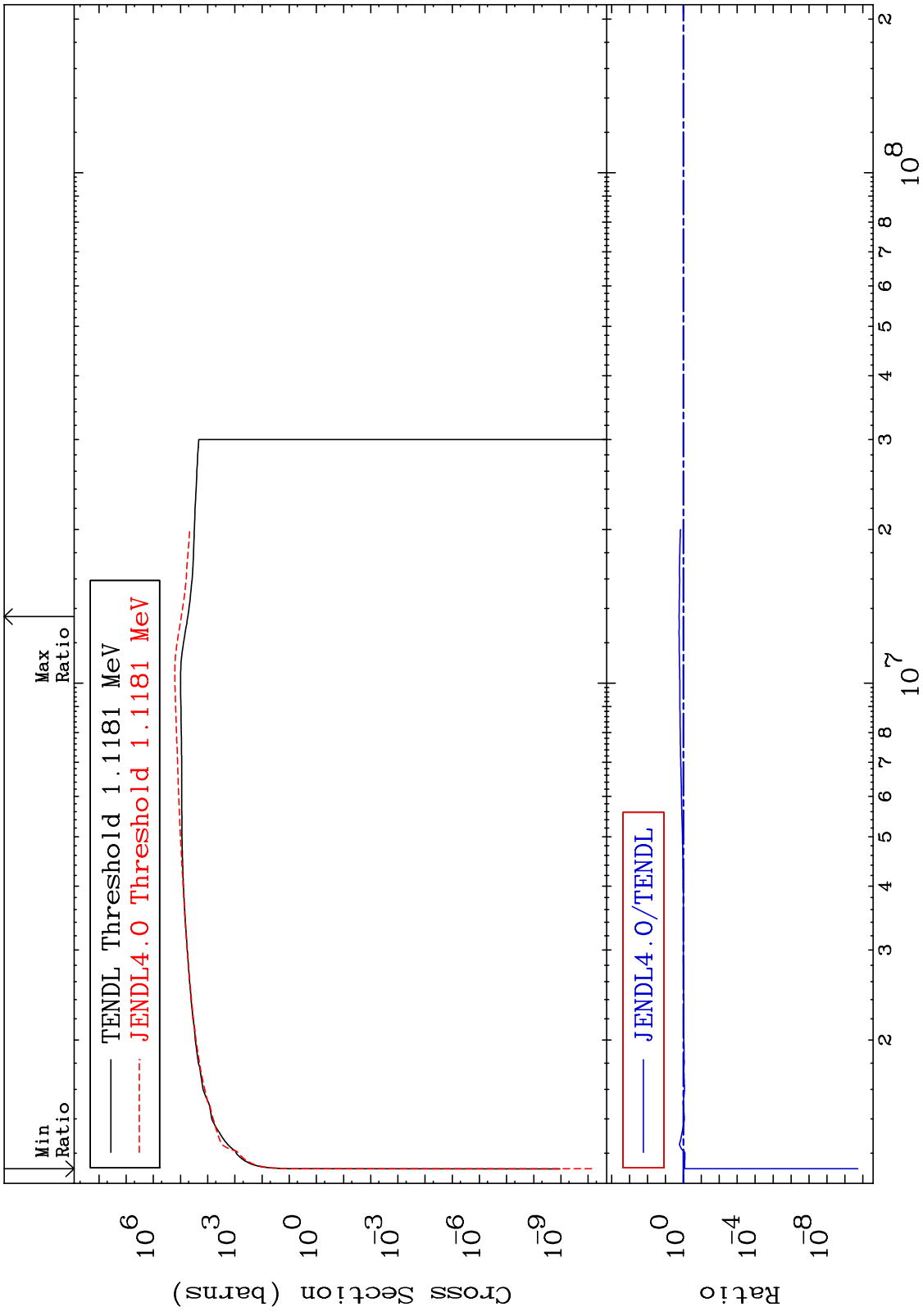
MAT 2725 Dpa total (eV-barns) 27-Co-59
 Cross Section -99.49 To 9999. %



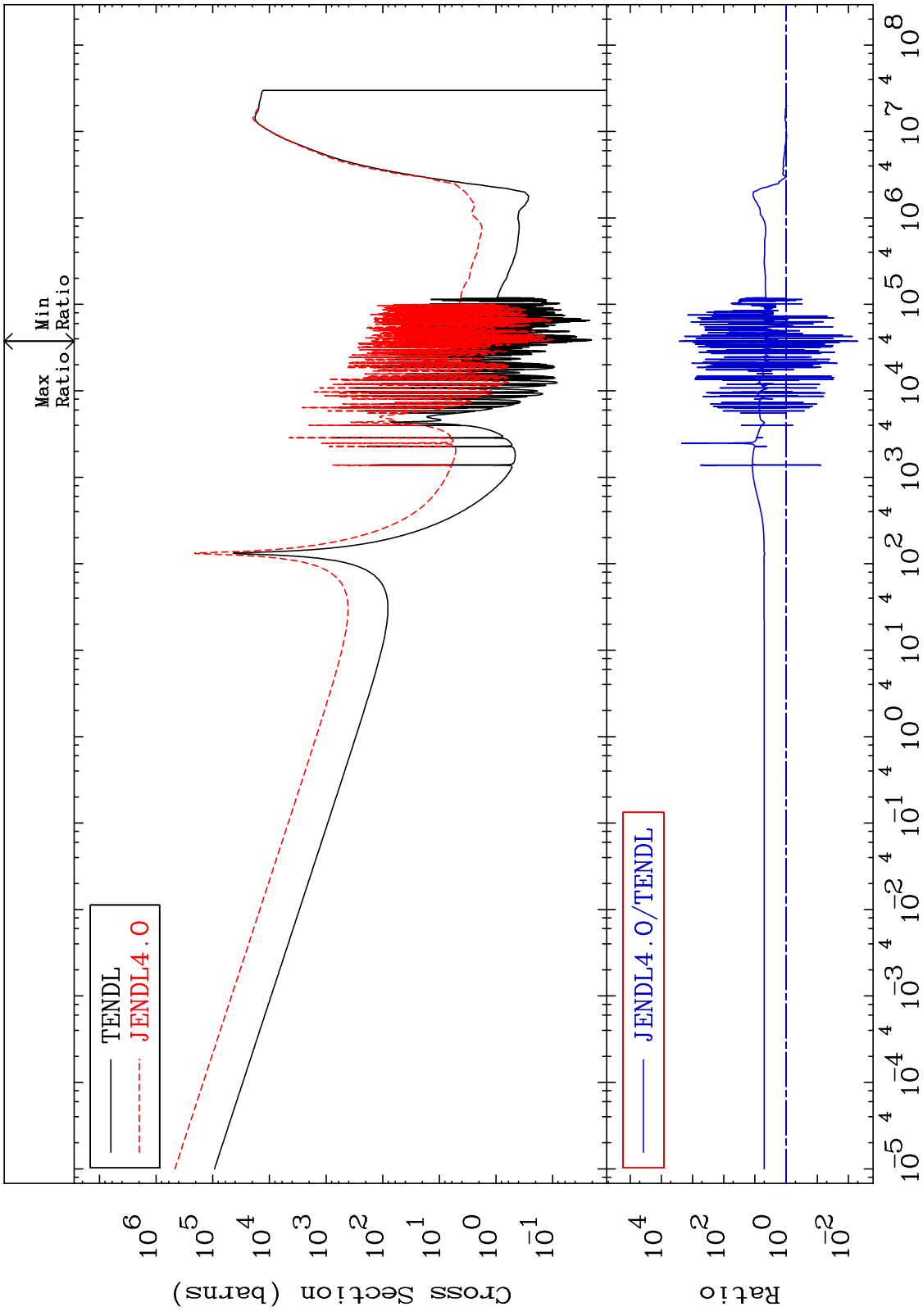
MAT 2725 Dpa elastic (mt2) 27-Co-59
 Cross Section -99.50 To 9999. %



MAT 2725 Dpa inelastic (mt51-91) 27-Co-59
 Cross Section -100.0 To 75.35 %



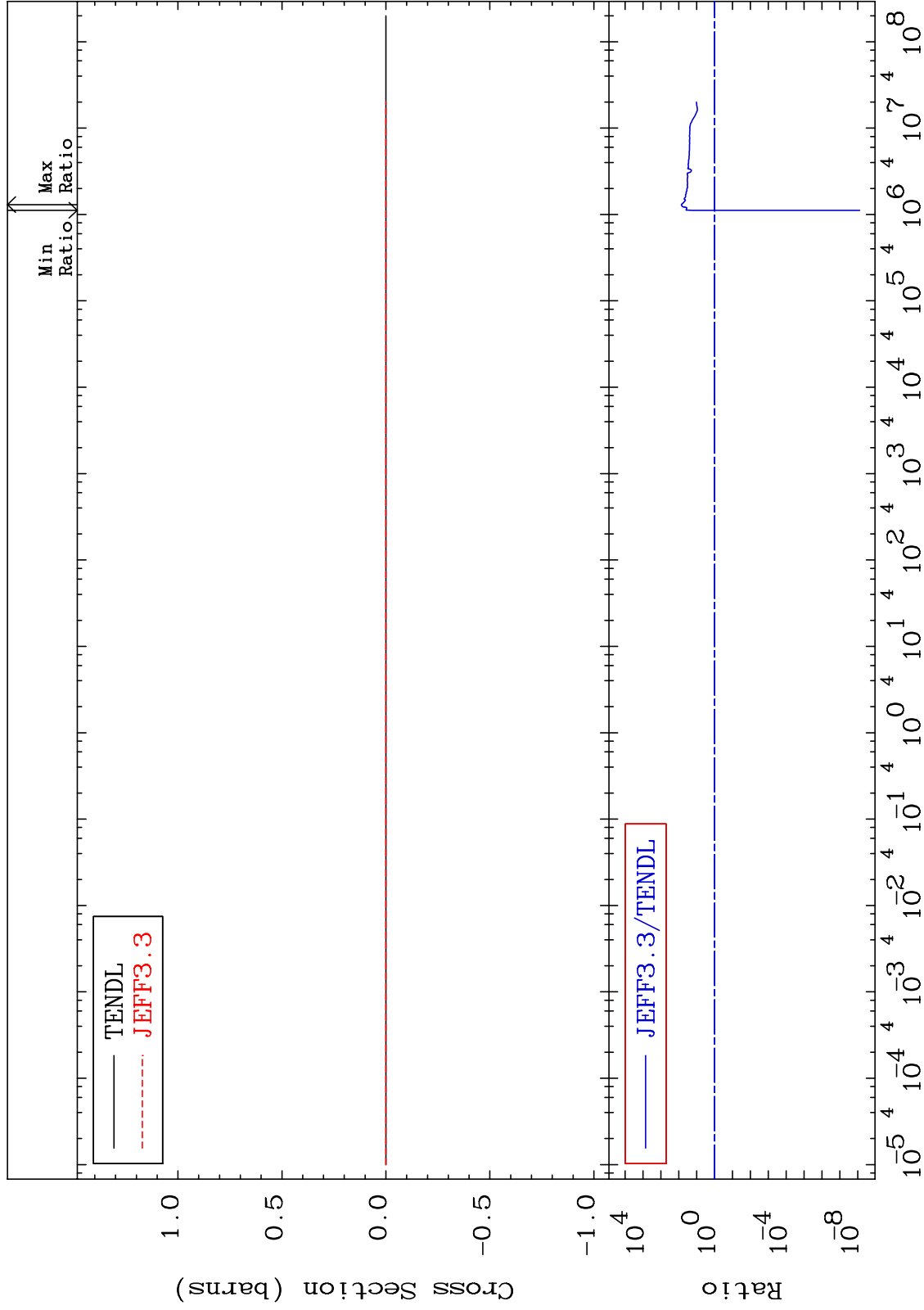
MAT 2725 Dpa disappearance (mt102 -120) 27-Co-59
 Cross Section -99.50 To 9999. %



MAT 2725

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

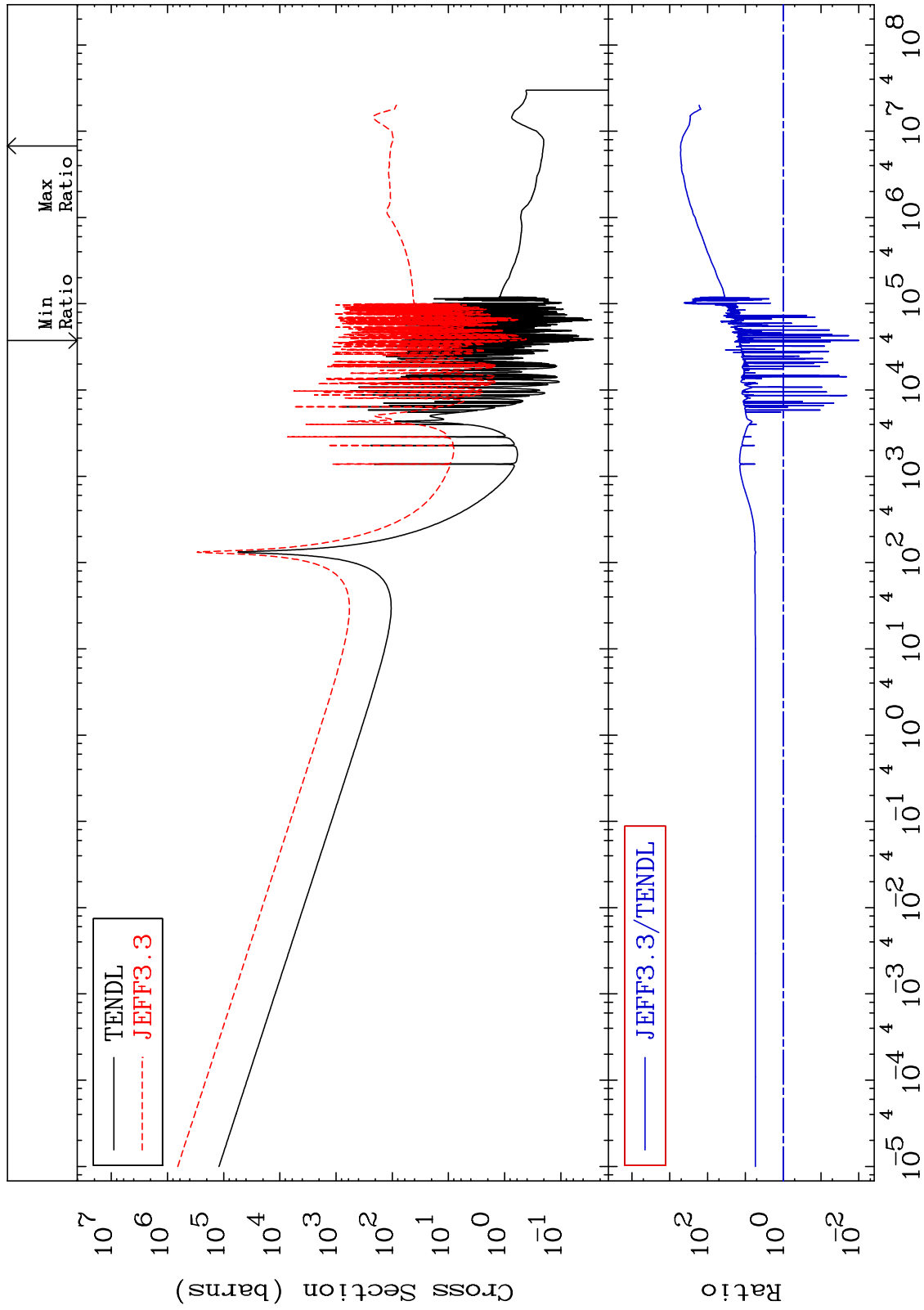
27-Co-59
-100.0 To 7124. %



MAT 2725

Kerma capture (mt102)
Cross Section

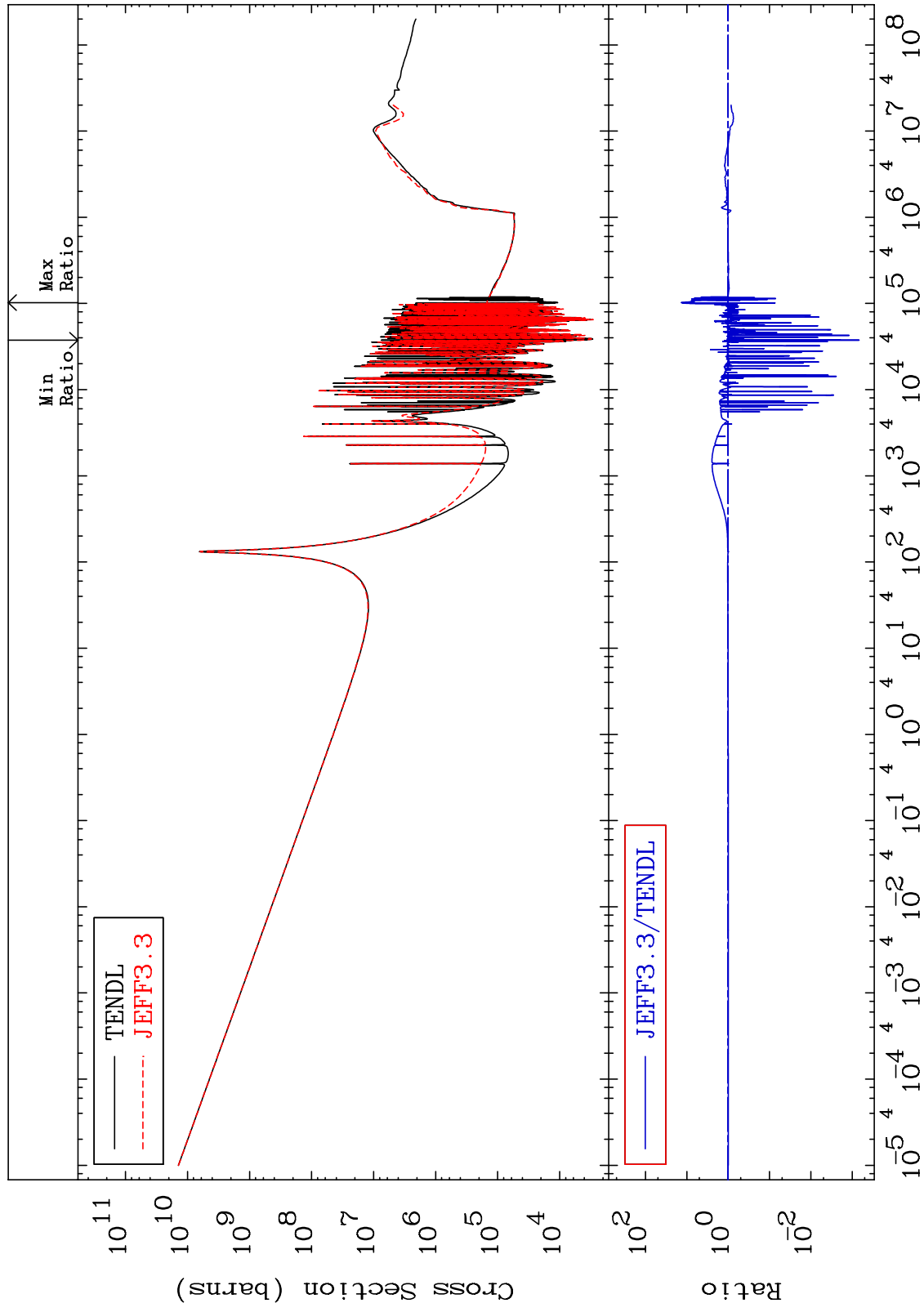
27-Co-59
-99.01 To 9999. %



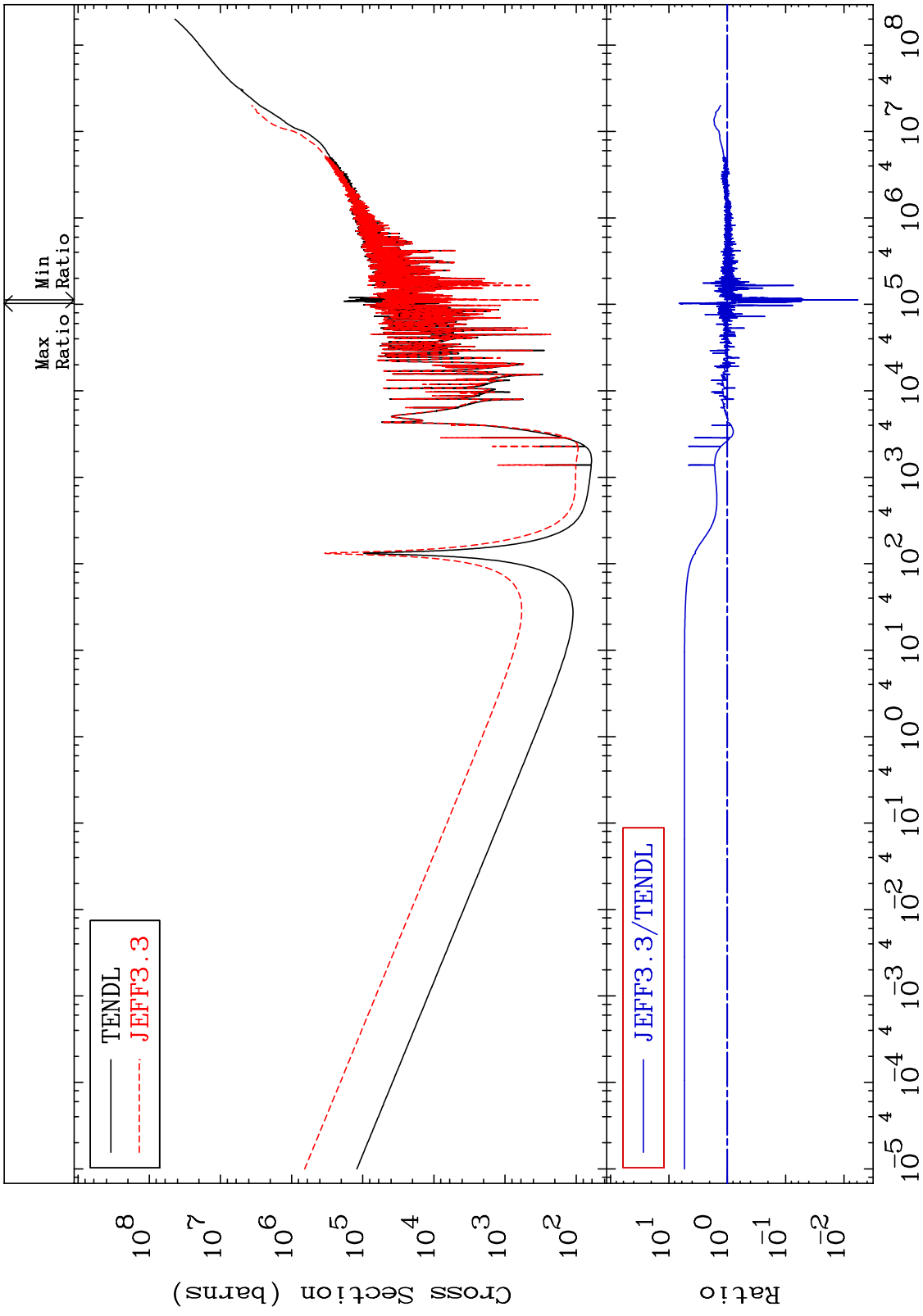
MAT 2725

Total photon (eV-barns)
Cross Section

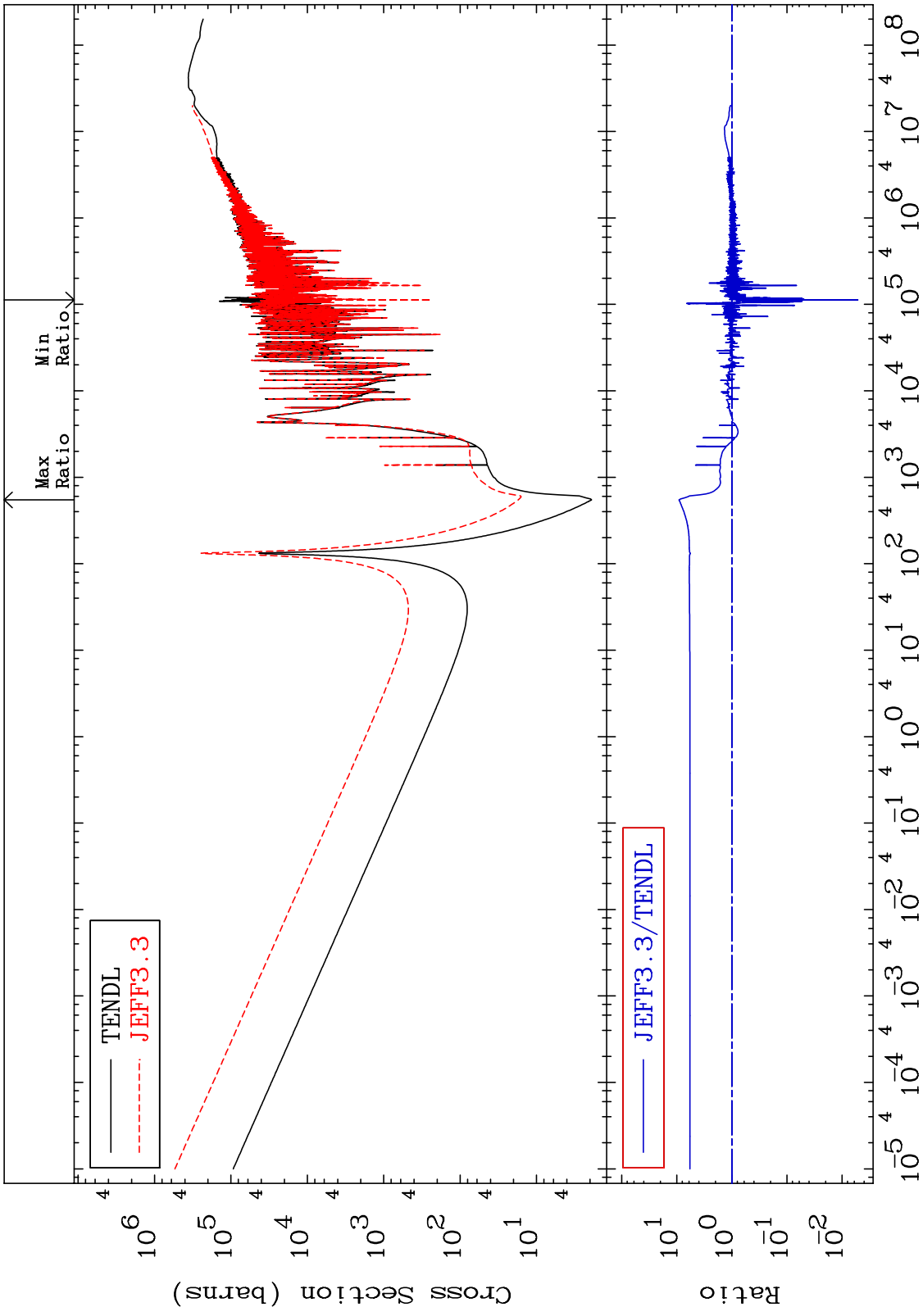
27-Co-59
-99.93 To 1291. %



MAT 2725 Total kinematic kerma (high limit) 27-Co-59
 Cross Section -99.42 To 568.8 %



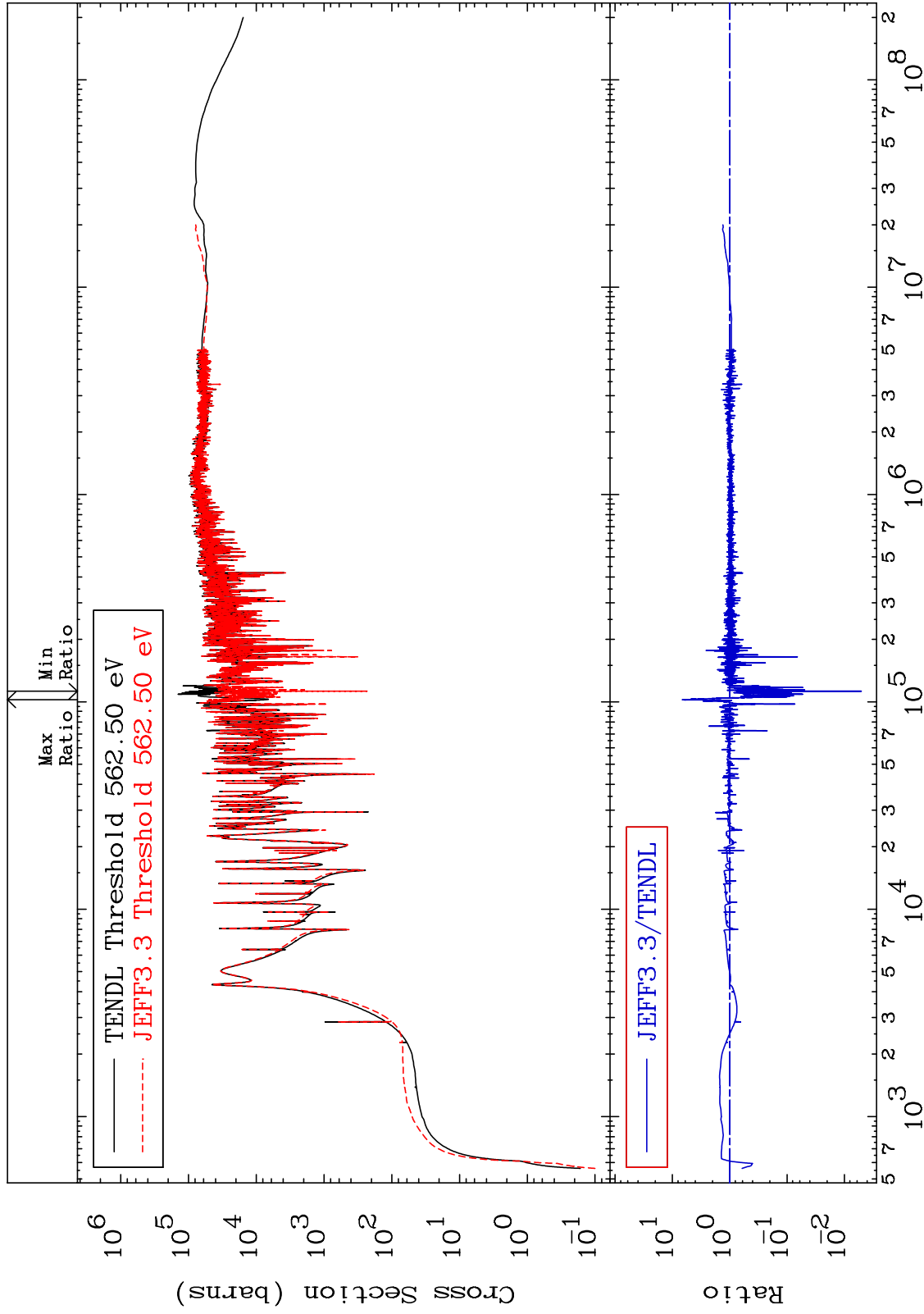
MAT 2725 Dpa total (eV-barns) 27-Co-59
 -99.48 To 814.0 %



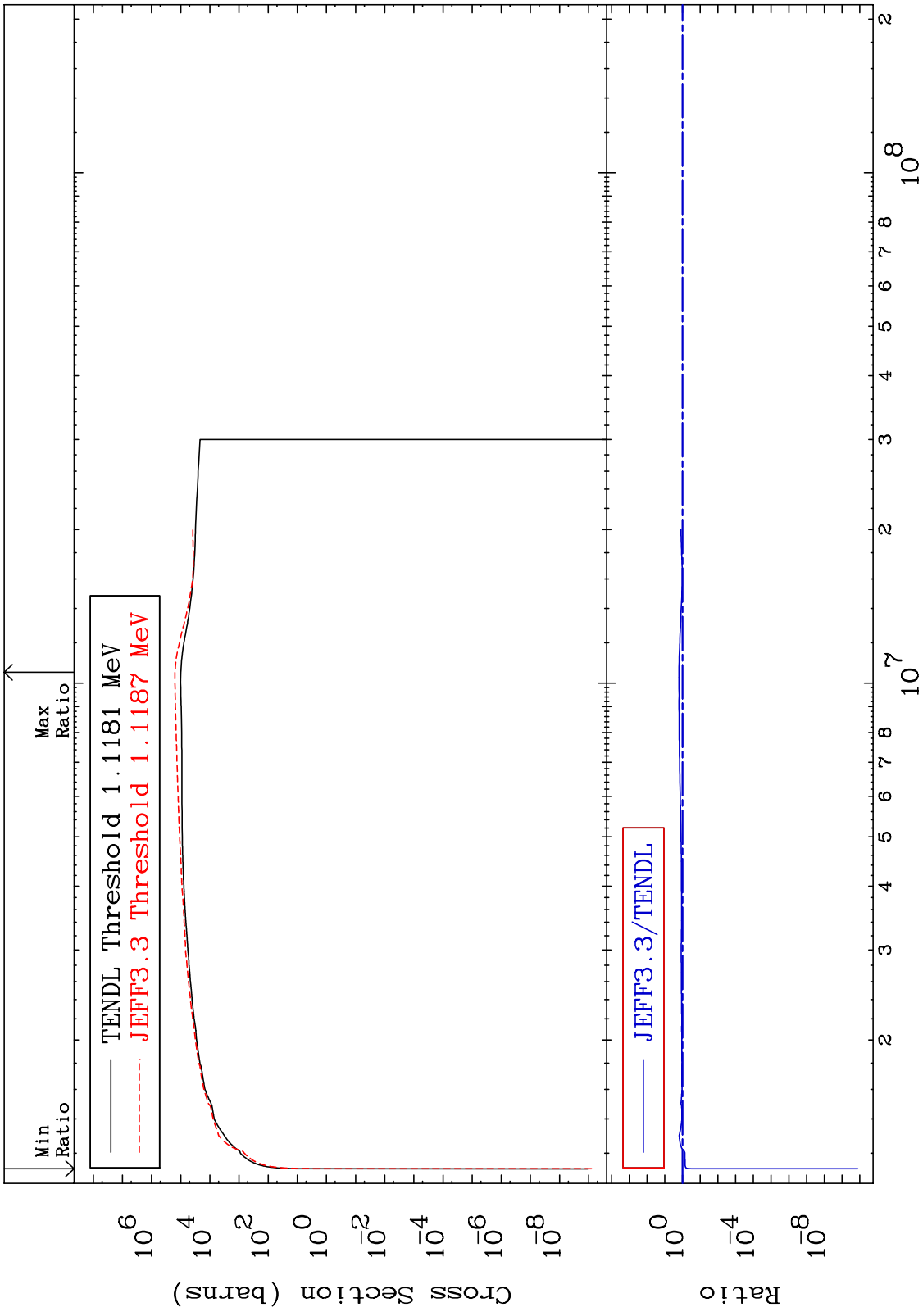
MAT 2725

Dpa elastic (mt2)
Cross Section

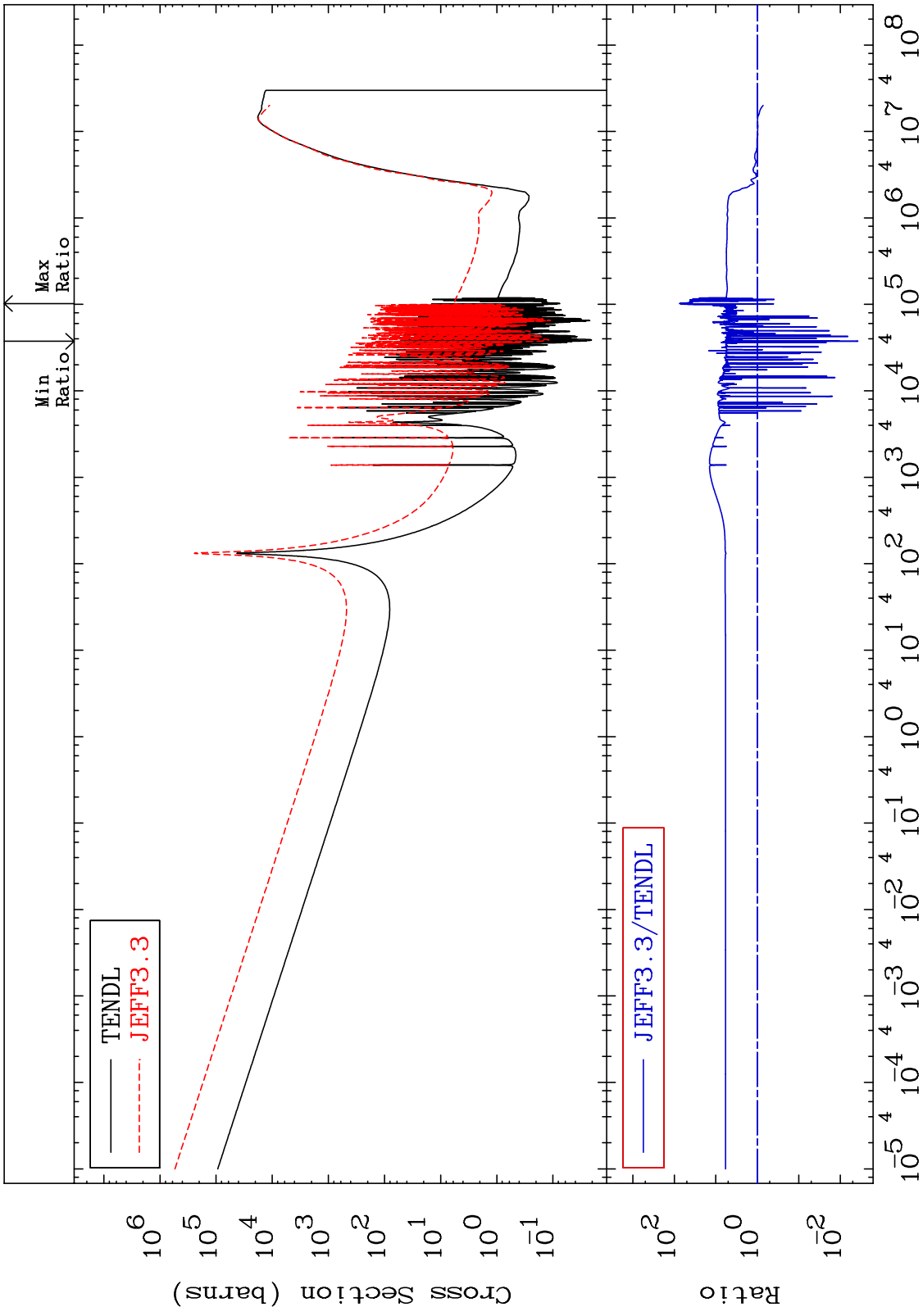
27-Co-59
-99.49 To 568.4 %



MAT 2725 Dpa inelastic (mt51-91) 27-Co-59
 Cross Section -100.0 To 57.98 %



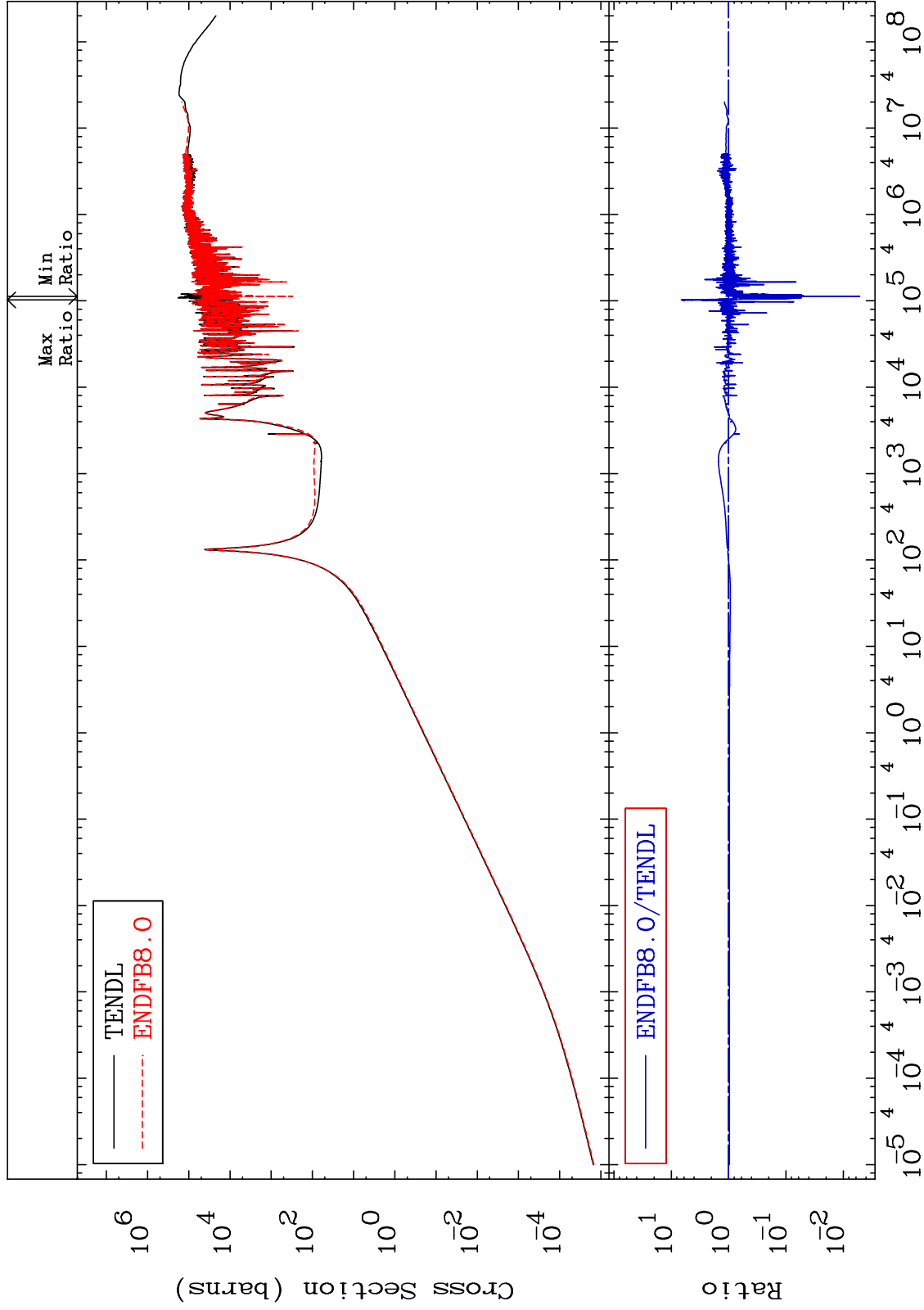
MAT 2725 Dpa disappearance (mt102 -120) 27-Co-59
 Cross Section -99.62 To 7580. %



MAT 2725

Kerma elastic
Cross Section

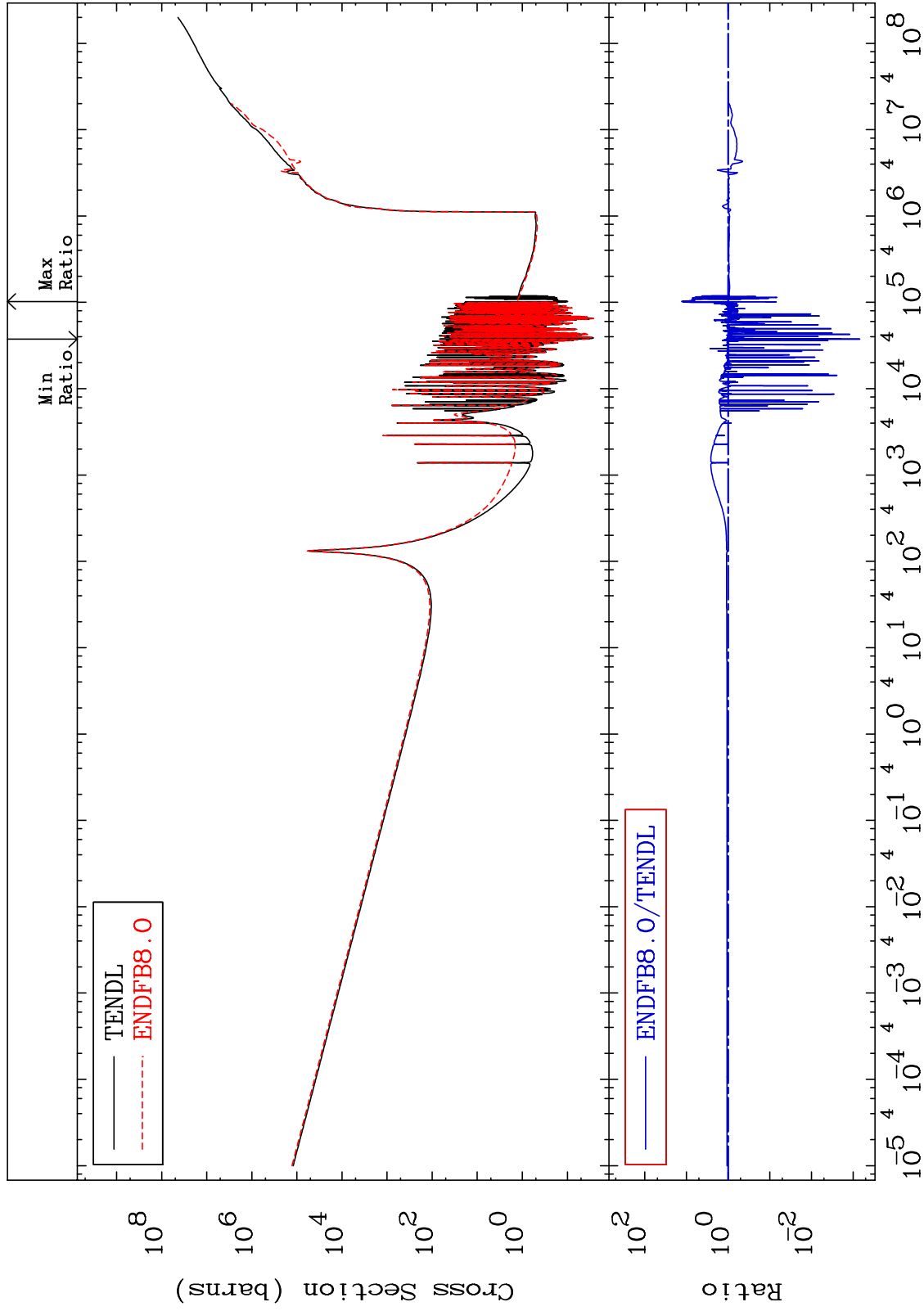
27-Co-59
-99.48 To 569.9 %



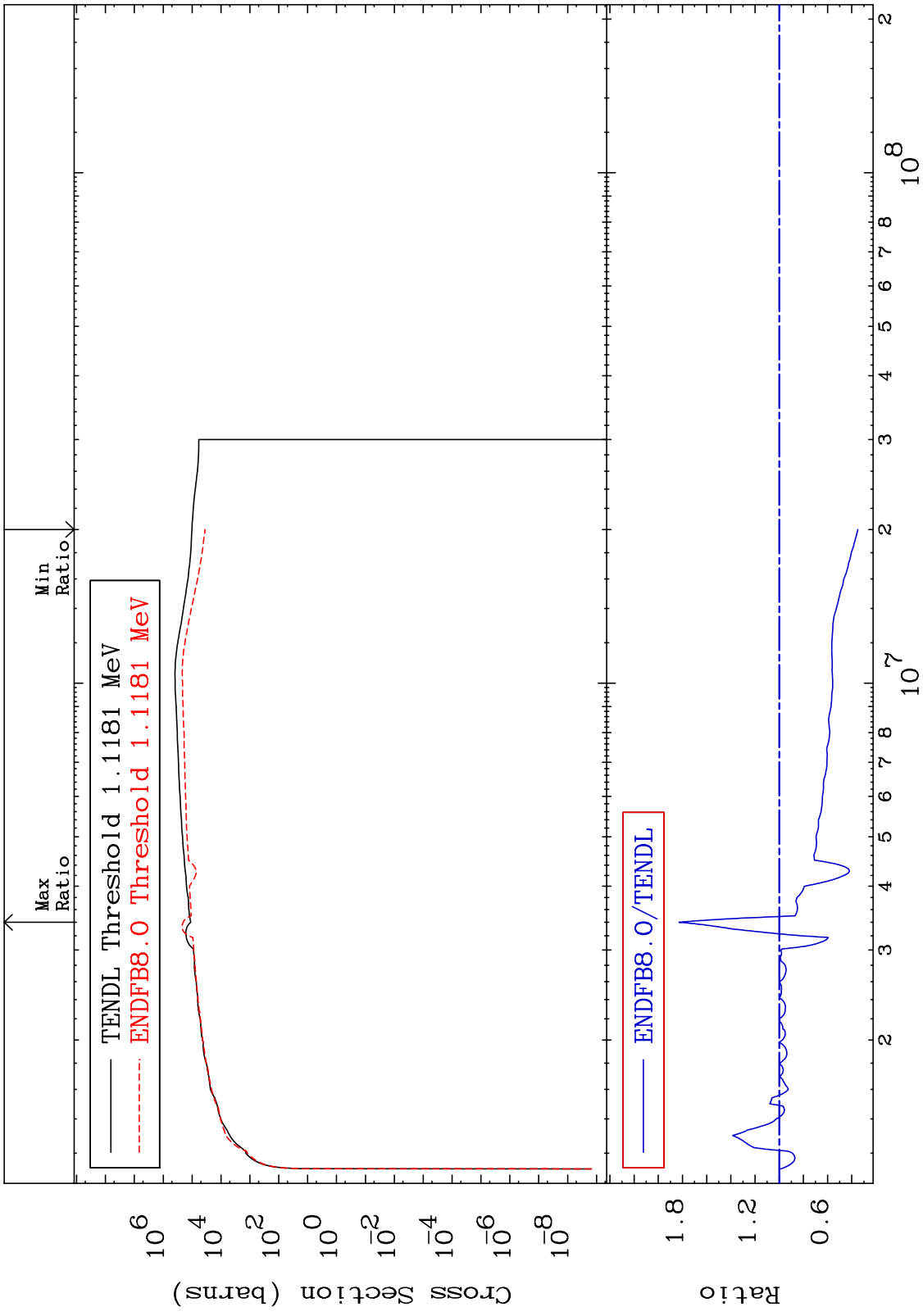
MAT 2725

Kerma non-elastic (all but mt2)
Cross Section

27-Co-59
-99.93 To 1231. %



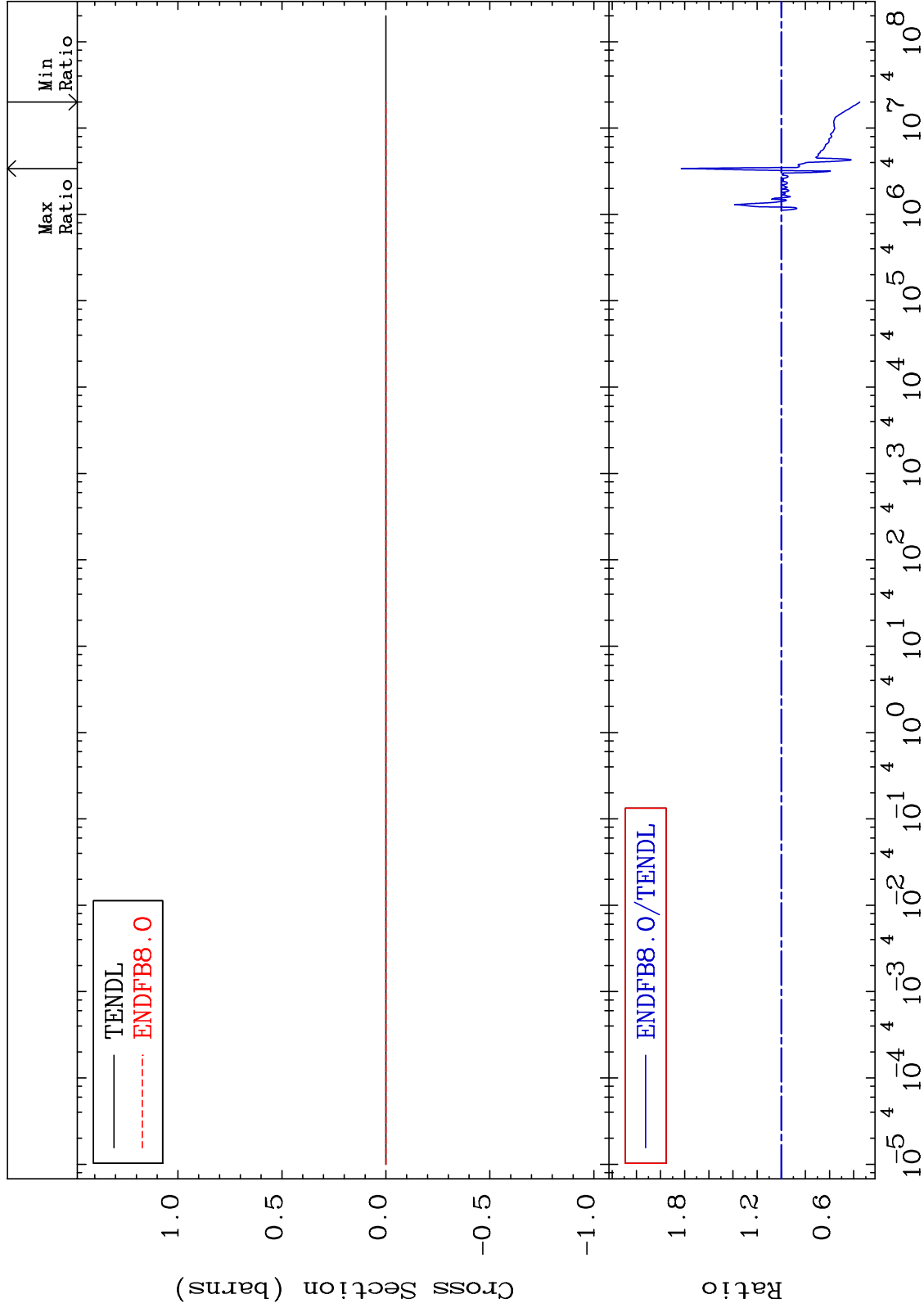
MAT 2725 Kerma inelastic (mt51-91) 27-Co-59
 Cross Section -65.02 To 82.83 %



MAT 2725

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

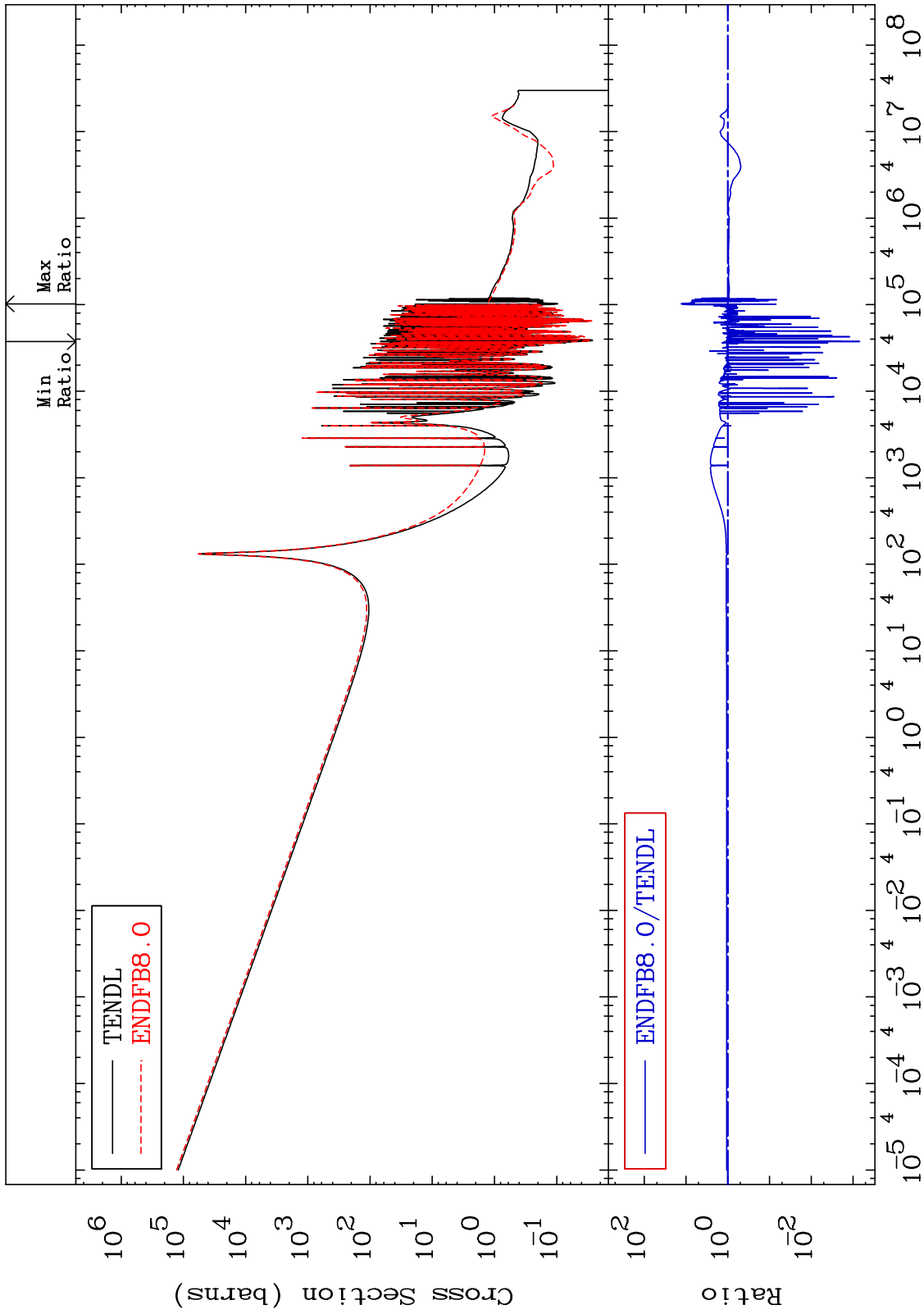
27-Co-59
-65.02 To 82.83 %



MAT 2725

Kerma capture (mt102)
Cross Section

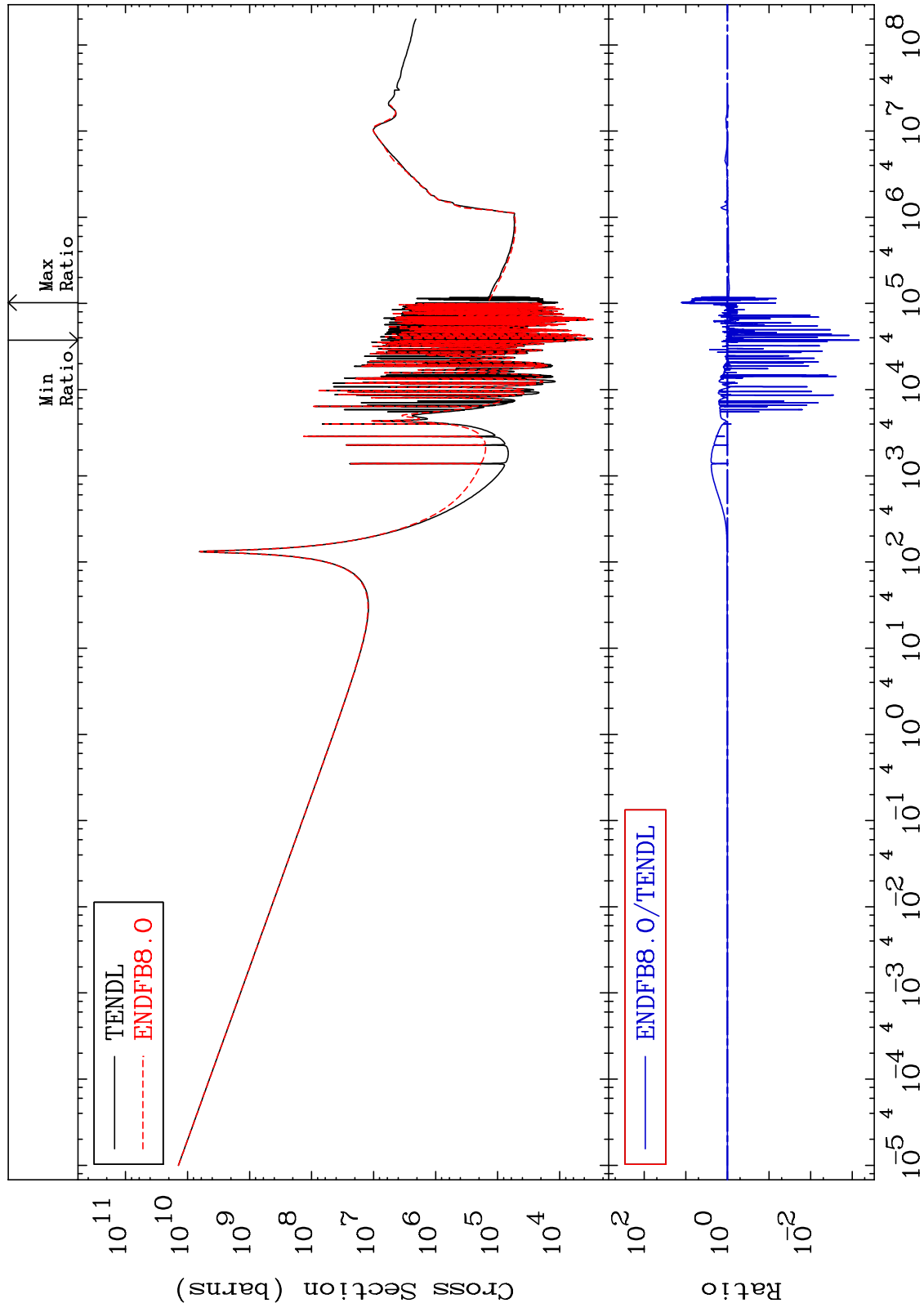
27-Co-59
-99.93 To 1231. %



MAT 2725

Total photon (eV-barns)
Cross Section

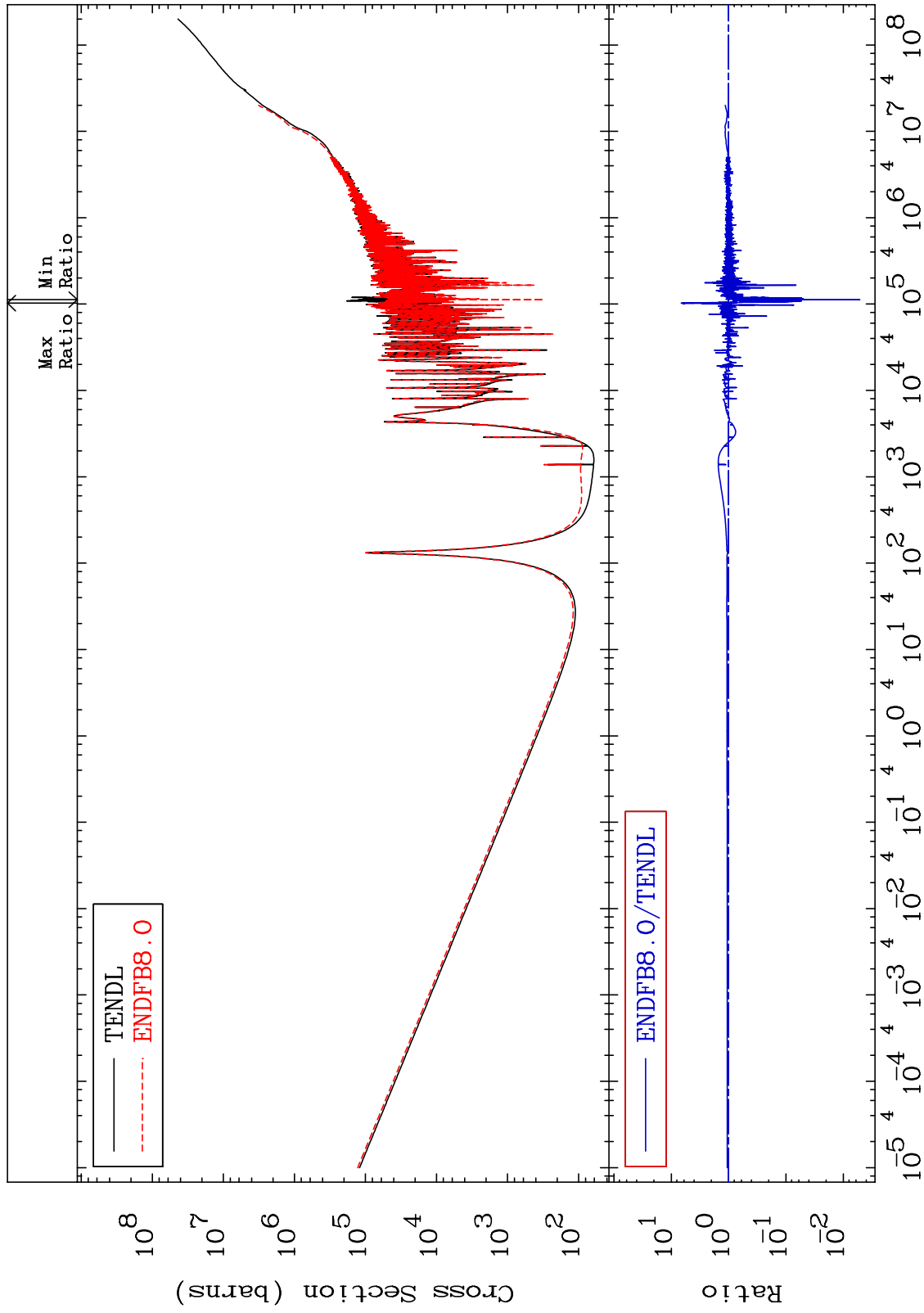
27-Co-59
-99.93 To 1217. %



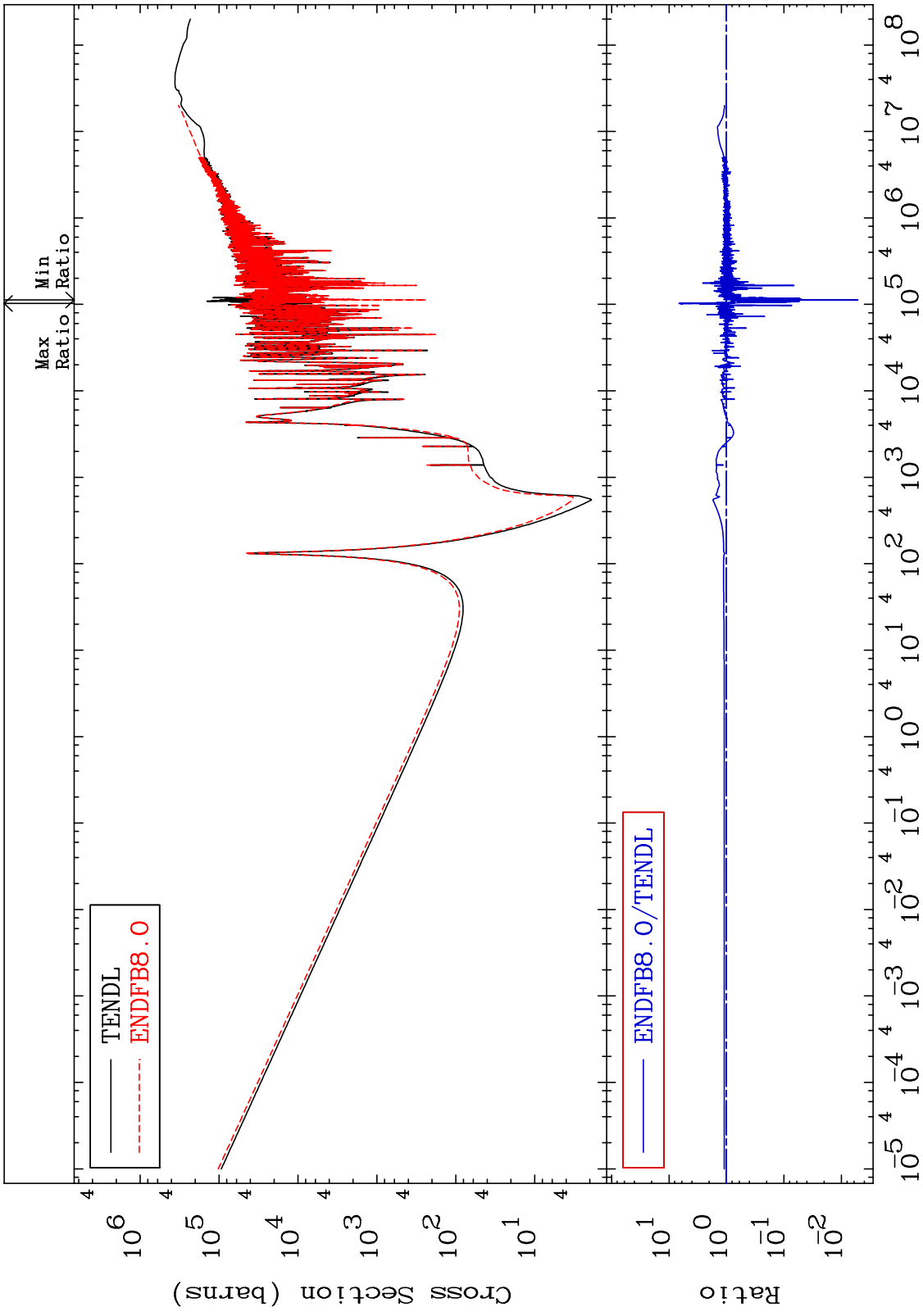
MAT 2725

Total kinematic kerma (high limit)
Cross Section

27-Co-59
-99.48 To 569.9 %



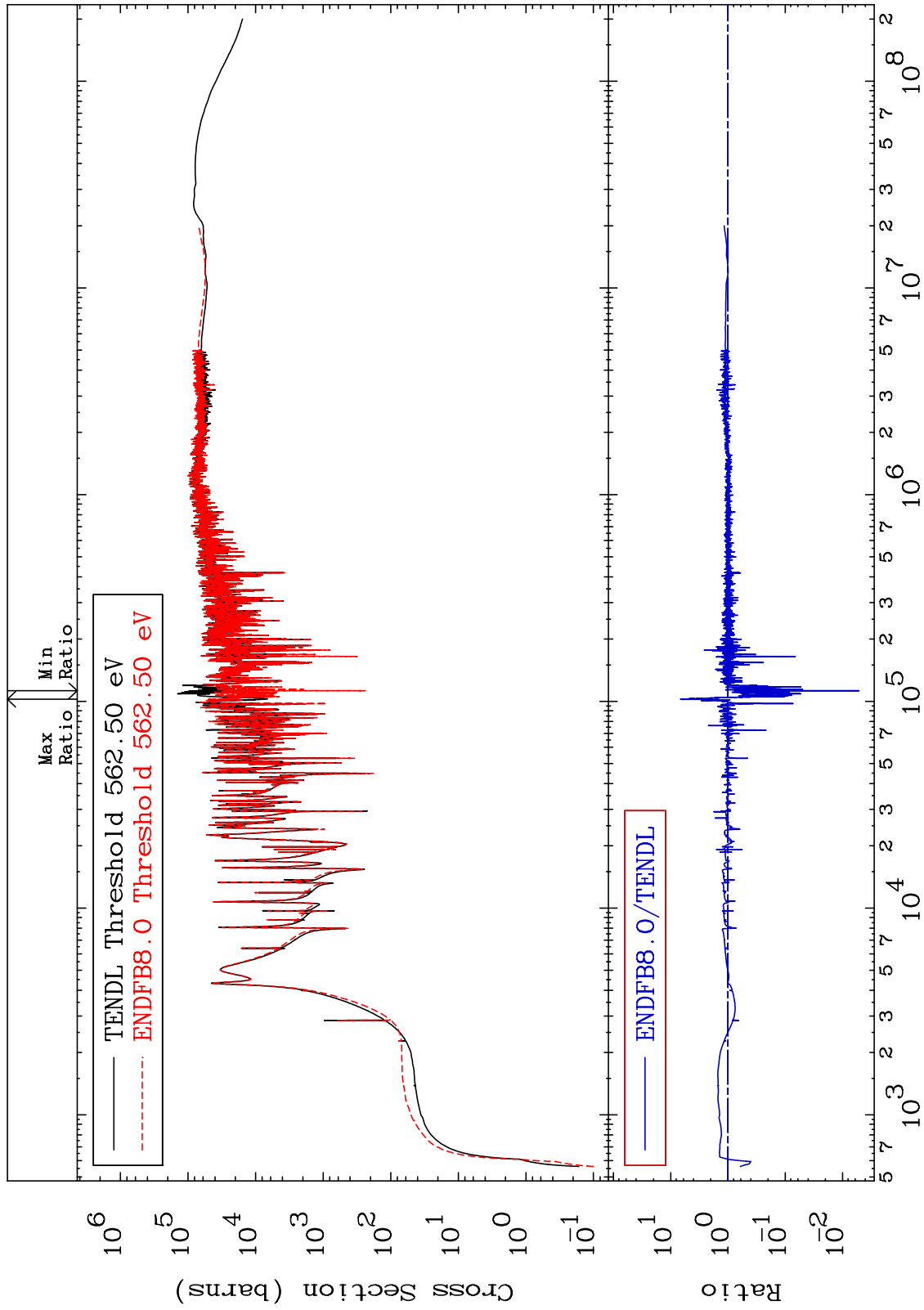
MAT 2725 Dpa total (eV-barns) 27-Co-59
 Cross Section -99.48 To 569.9 %



MAT 2725

Dpa elastic (mt2)
Cross Section

27-Co-59
-99.48 To 569.8 %

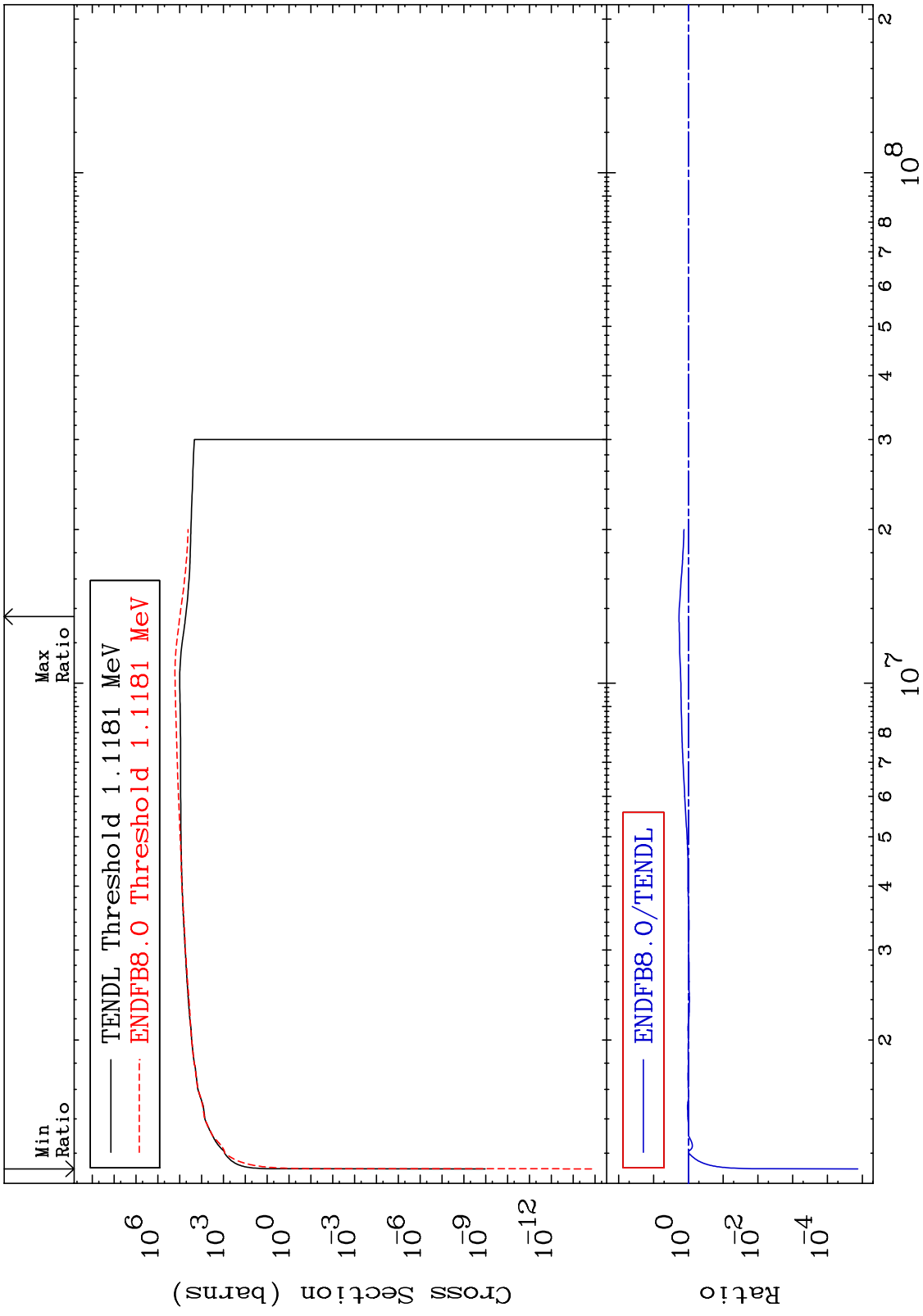


63

27-Co-59

27-Co-59

MAT 2725 Dpa inelastic (mt51-91) 27-Co-59
 Cross Section -100.0 To 84.85 %



MAT 2725

Dpa disappearance (mt102 -120)
Cross Section

27-Co-59
-99.93 To 1264. %

