

Program Complot
(Version 2021-1)

by

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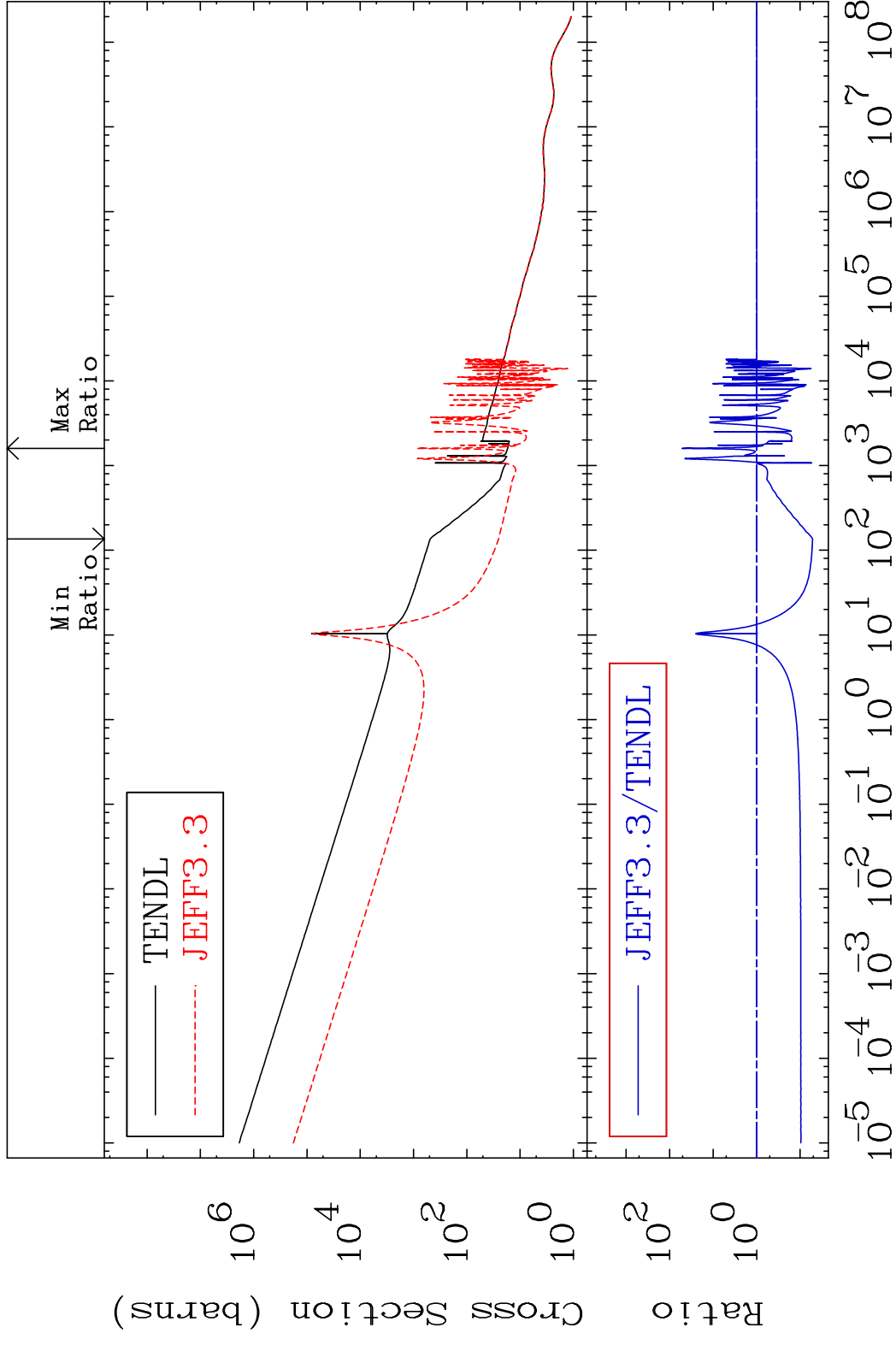
Press Mouse Button to Start

MAT 2722

27-Co-58

Total

Cross Section -94.82 To 4987. %



27-Co-58

Incident Energy (eV)

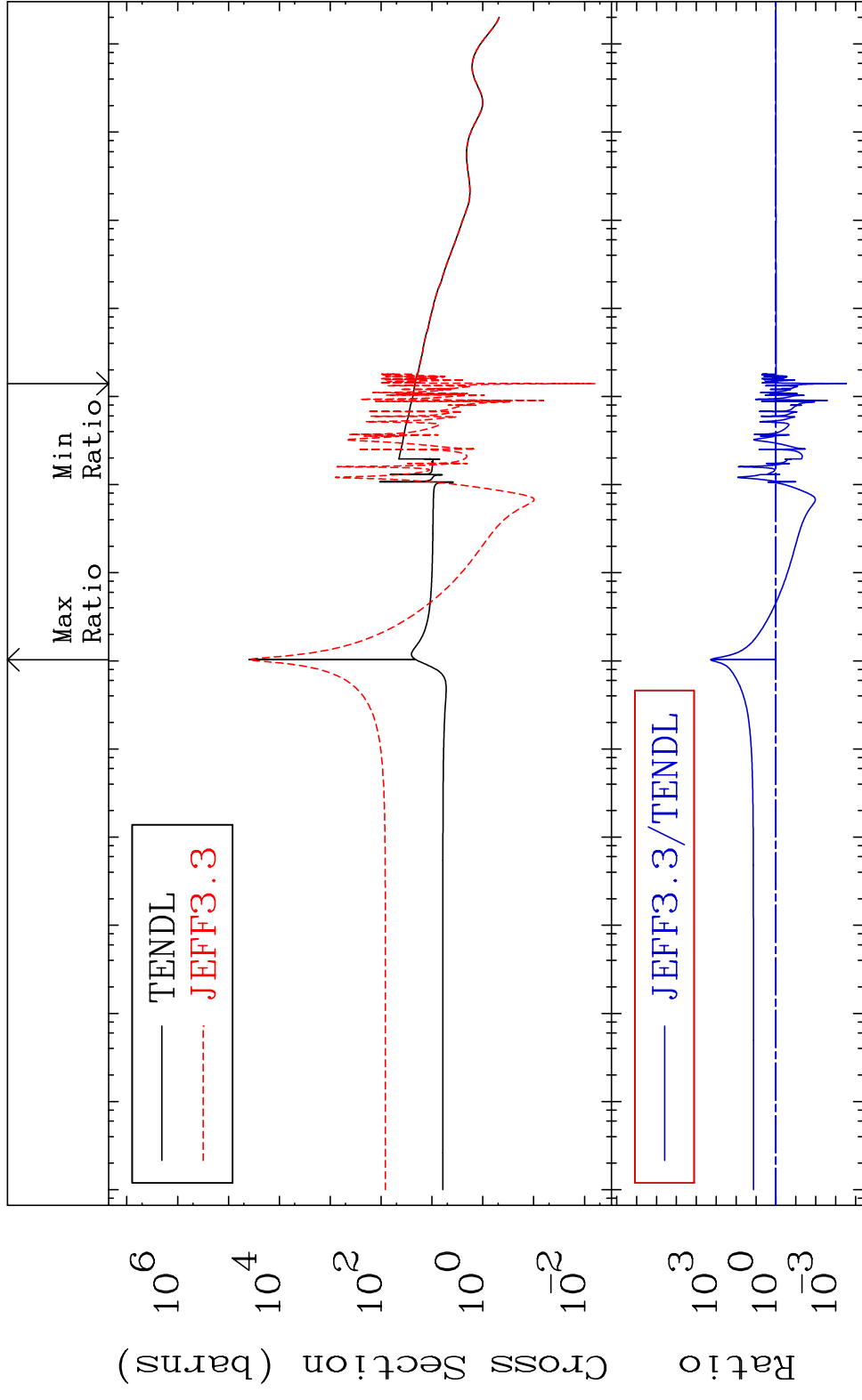
1

MAT 2722

27-Co-58

Elastic

Cross Section -99.97 To 9999. %



2

Incident Energy (eV)

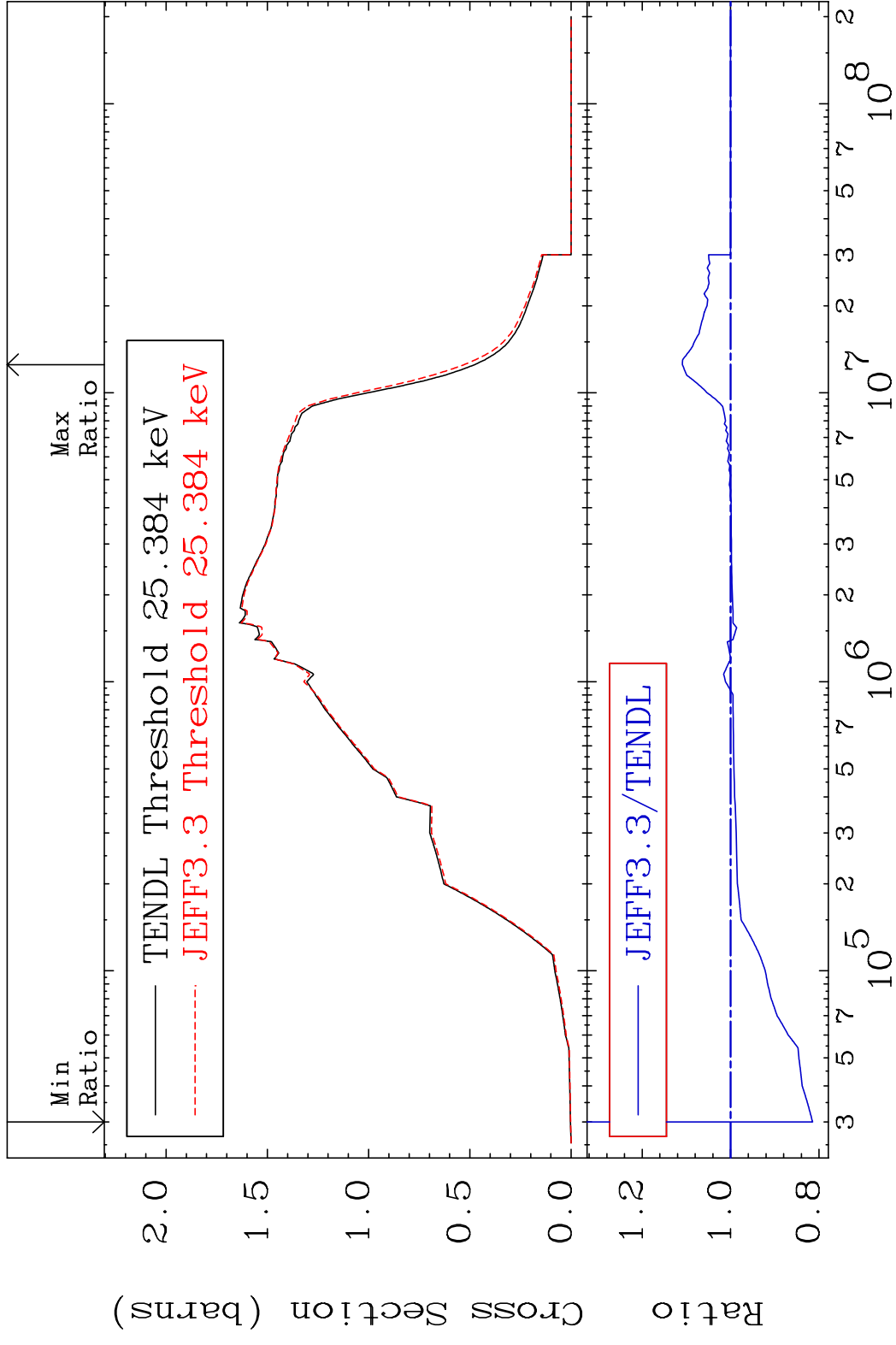
27-Co-58

MAT 2722

Inelastic

27-Co-58

Cross Section -18.54 To 10.92 %

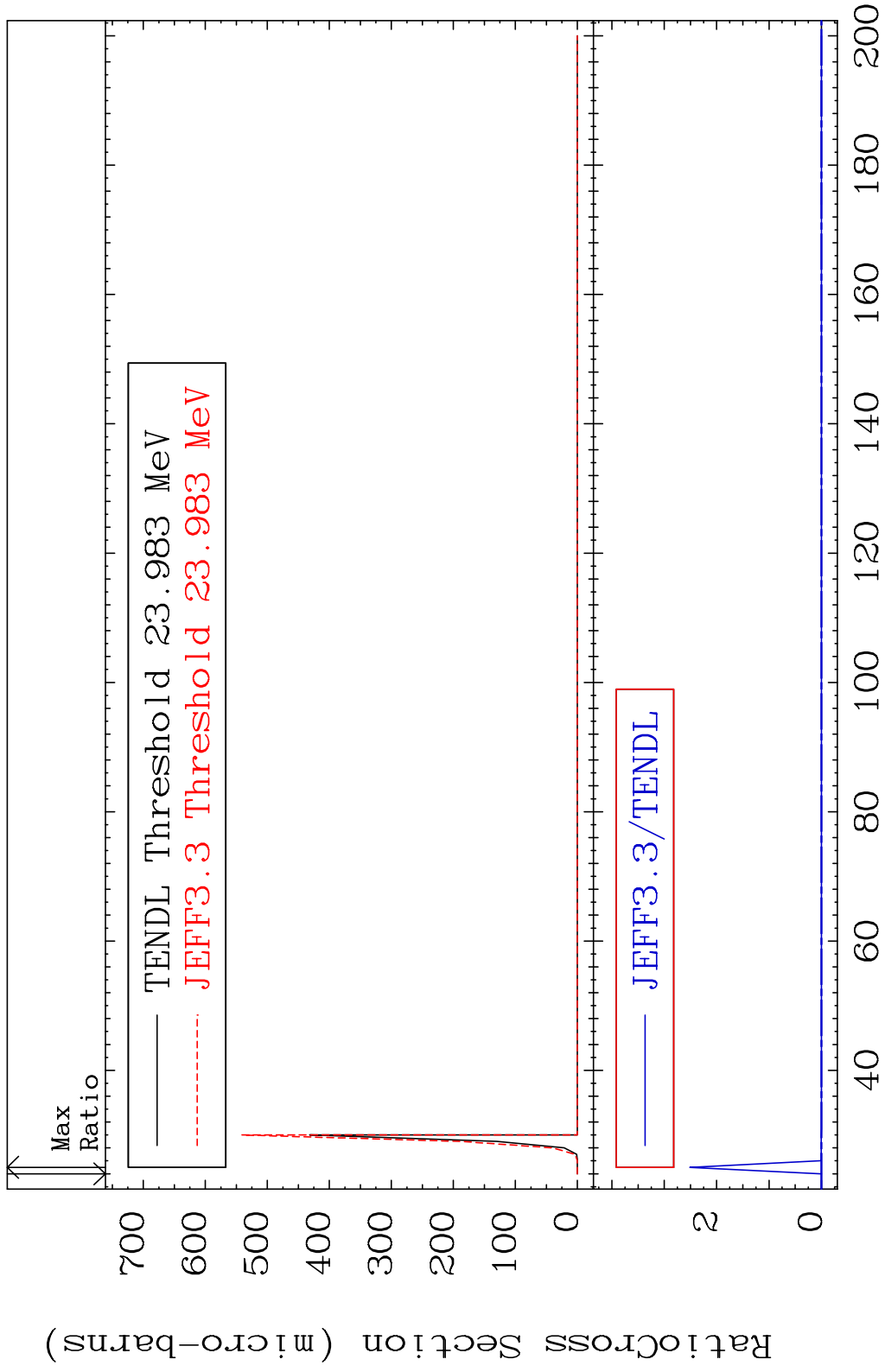


3

Incident Energy (eV)

27-Co-58

MAT 2722 (n,2n) d 27-Co-58
Cross Section -100.0 To 9999. %



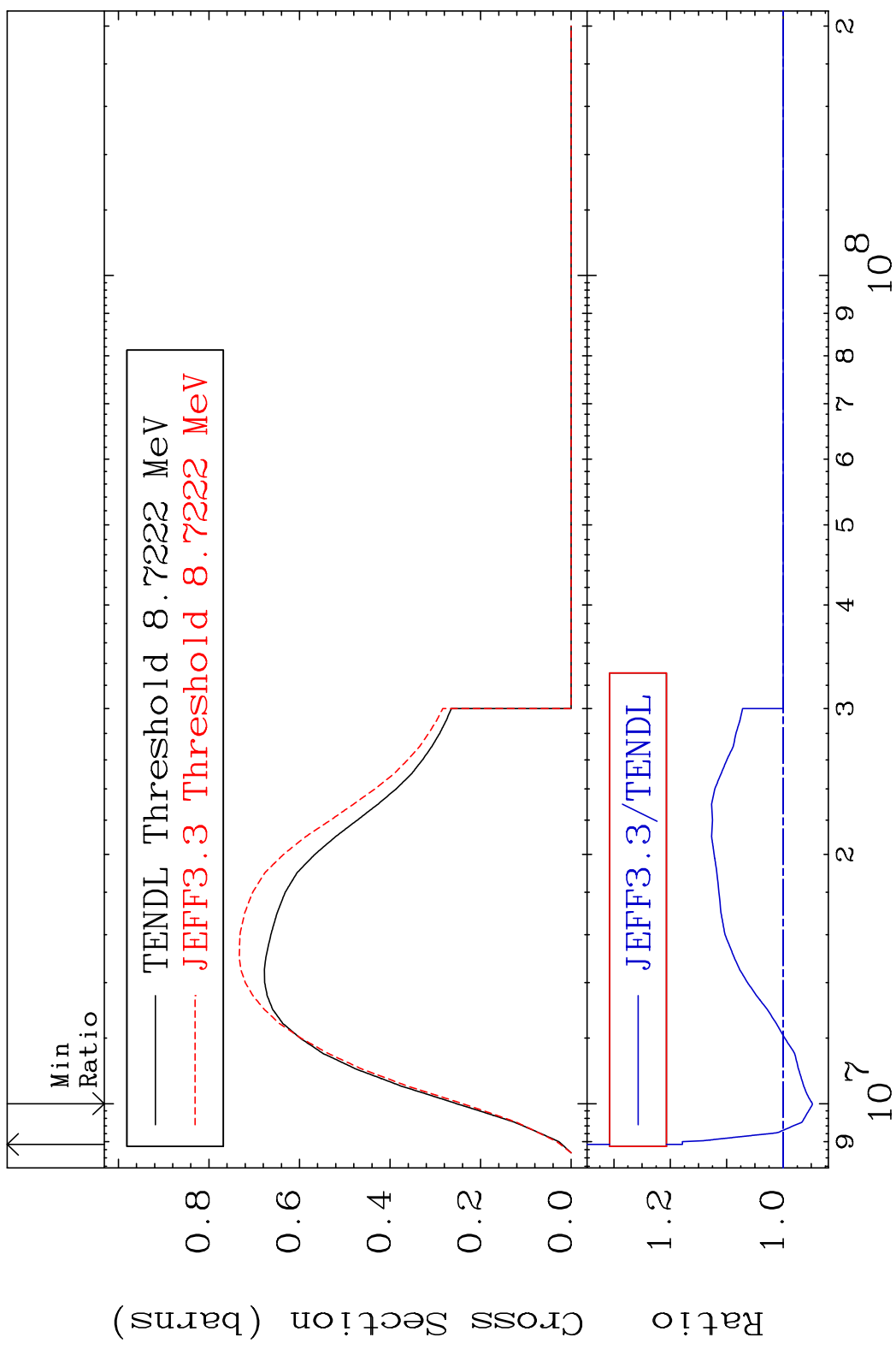
4 Incident Energy (MeV) 27-Co-58

MAT 2722

(n,2n)

27-Co-58

Cross Section -5.217 To 17.86 %



5

Incident Energy (eV)

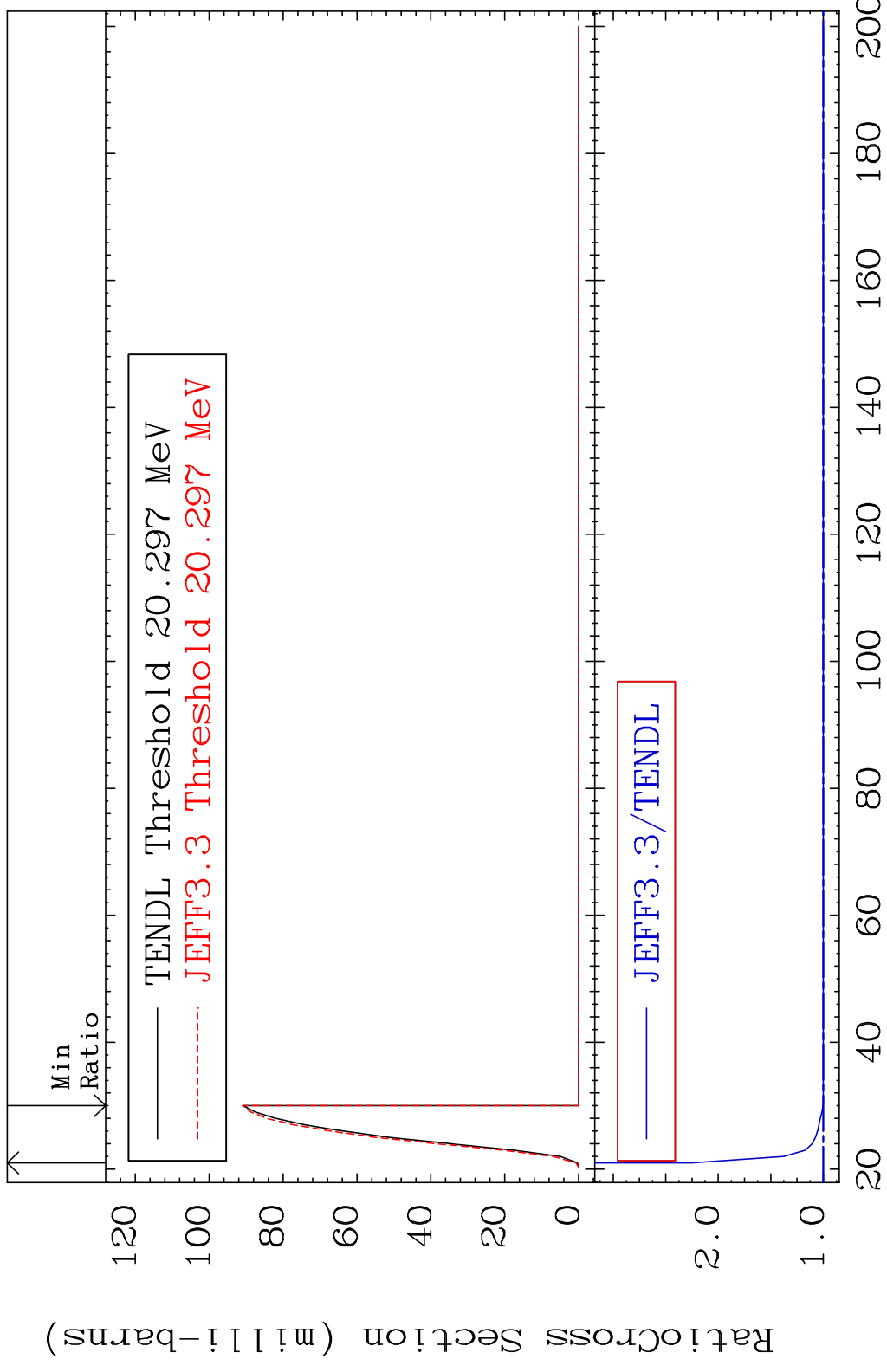
27-Co-58

MAT 2722

(n,3n)

27-Co-58

Cross Section 0.000 To 125.6 %

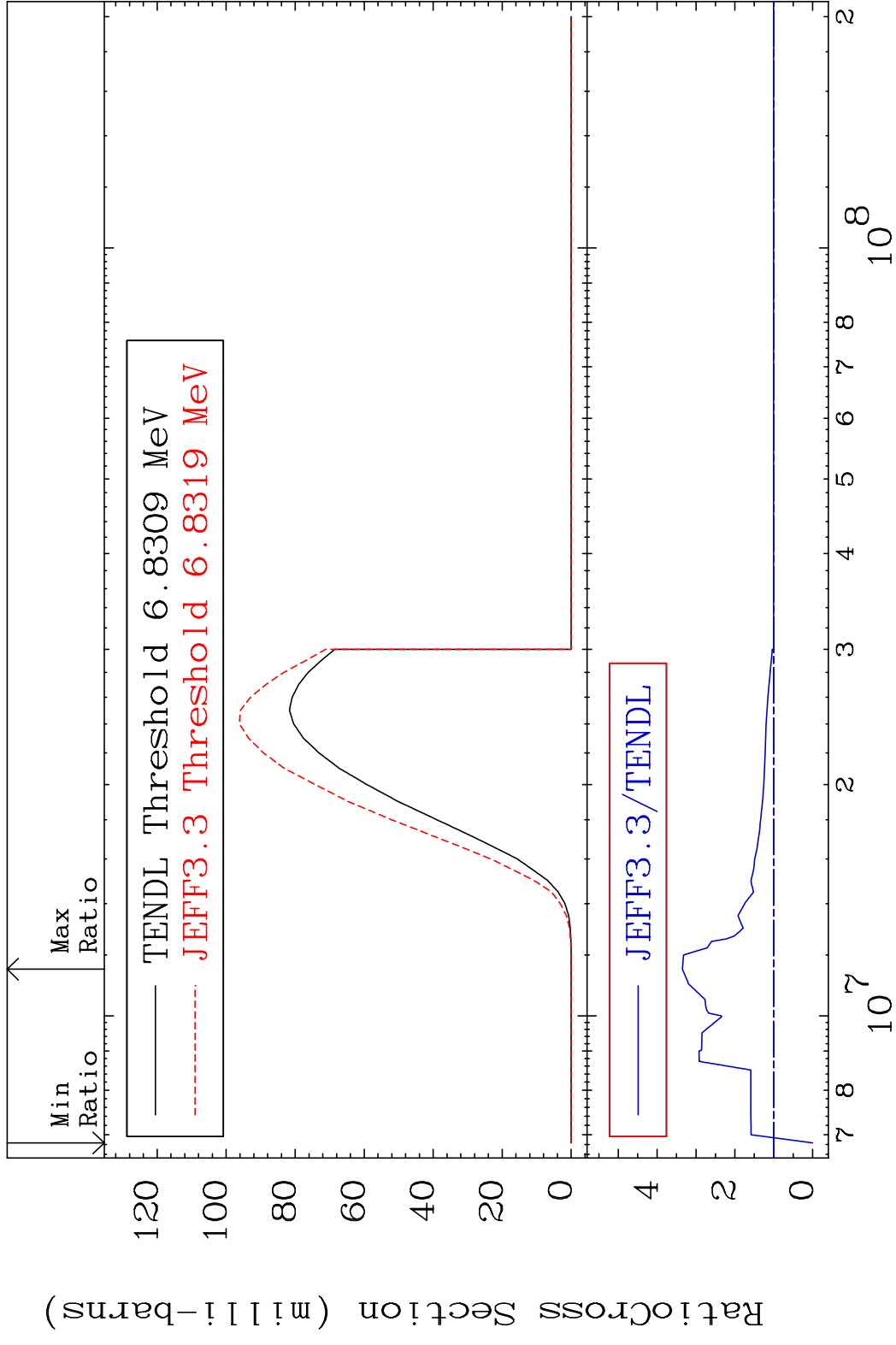


MAT 2722

(n, n') α

27-Co-58

Cross Section -100.0 To 235.1 %



7

Incident Energy (eV)

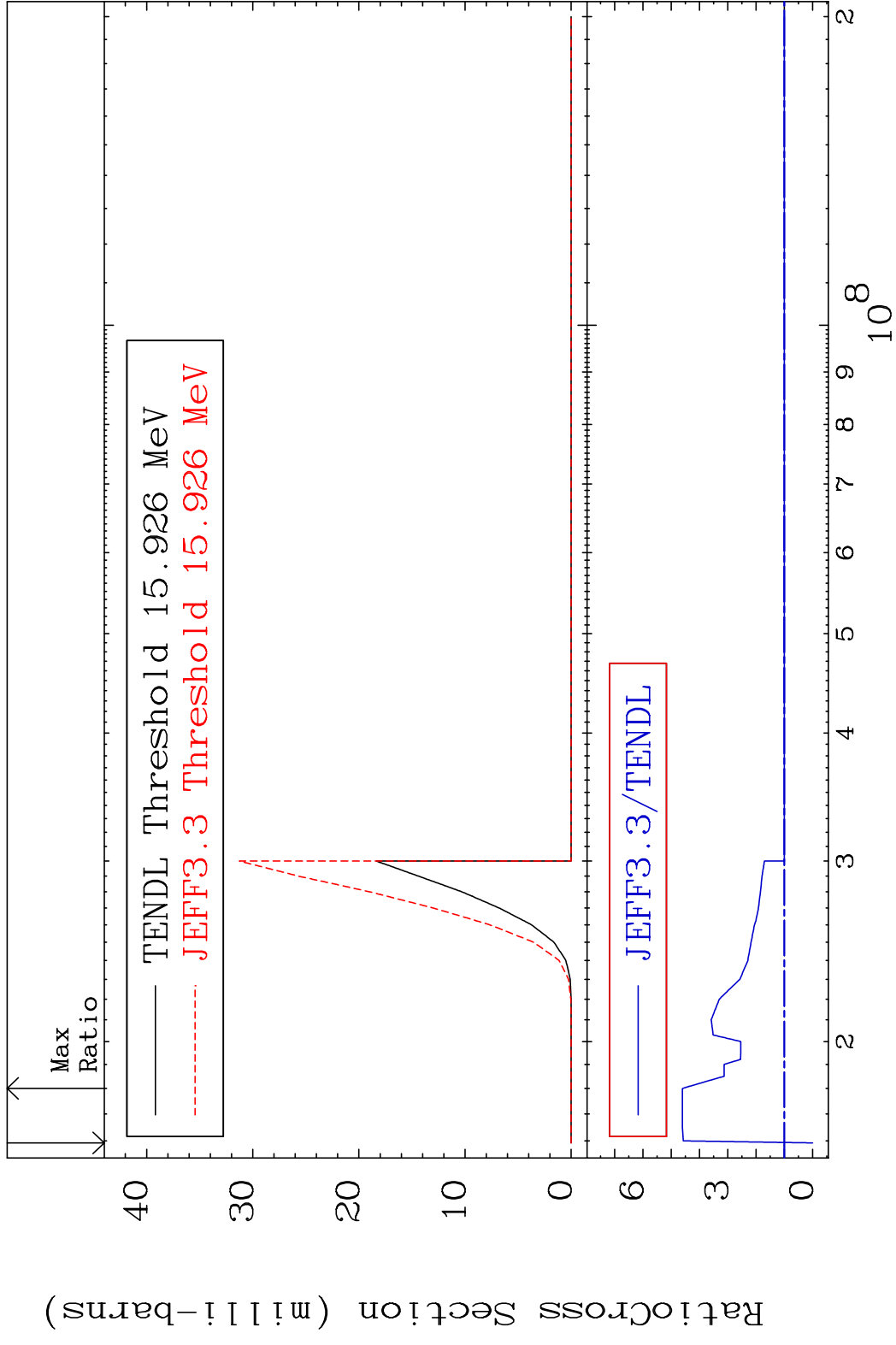
27-Co-58

MAT 2722

(n,2n) α

27-Co-58

Cross Section -100.0 To 360.4 %

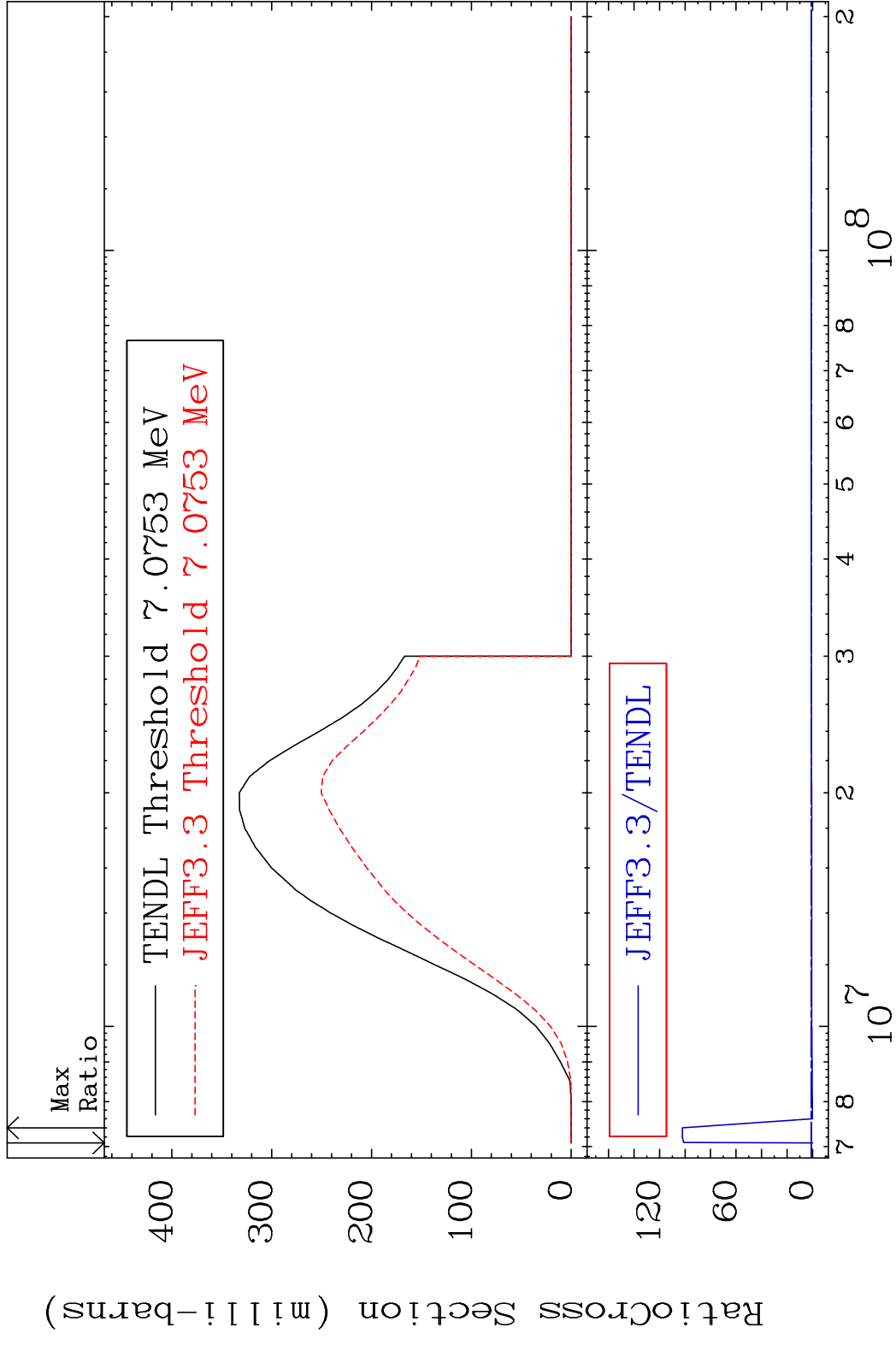


8

Incident Energy (eV)

27-Co-58

MAT 2722 (n, n') p 27-Co-58
 Cross Section -100.0 To 9999. %



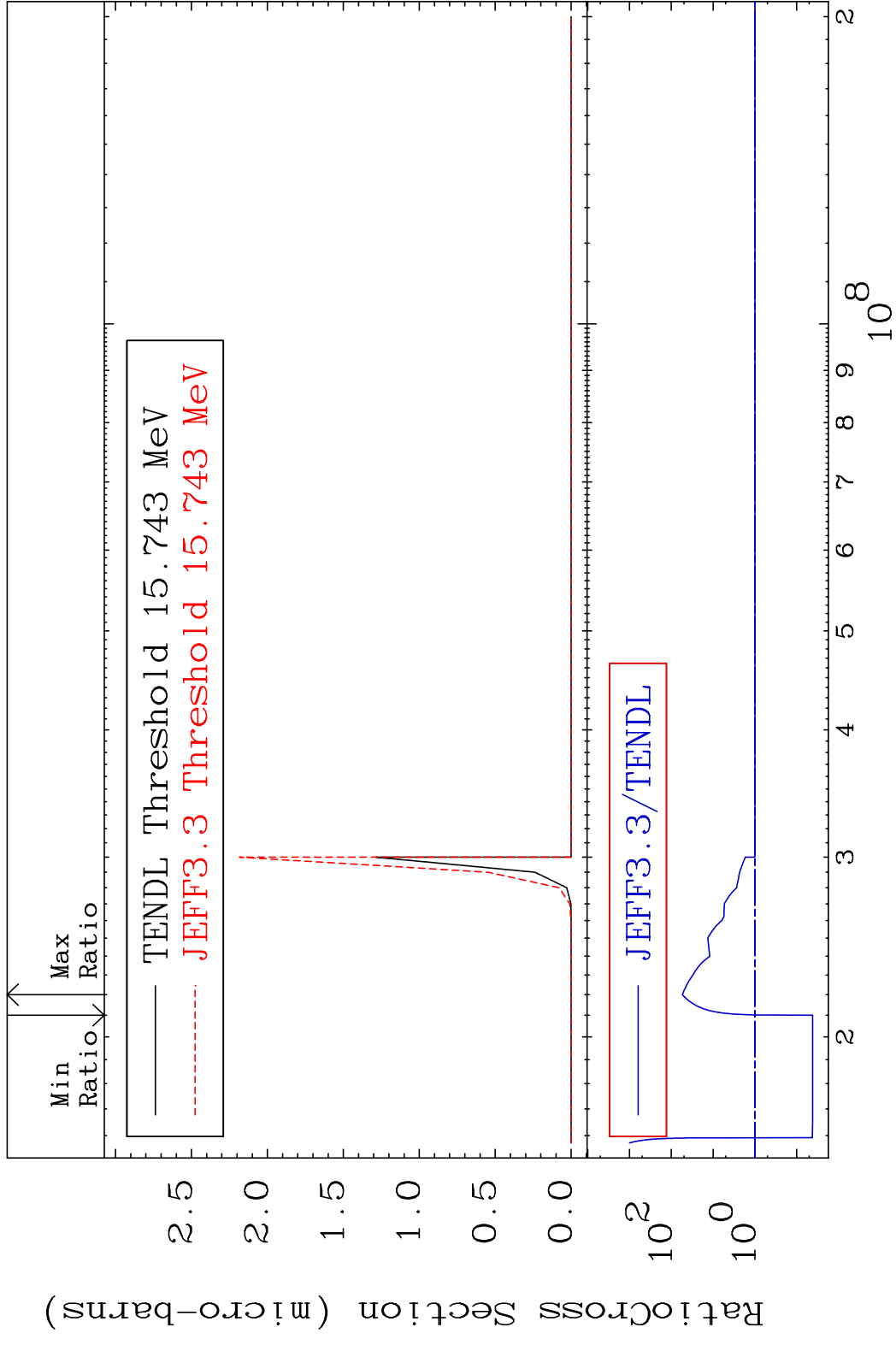
9 27-Co-58

MAT 2722

(n, n') 2α

27-Co-58

Cross Section -95.84 To 5342. %



10

Incident Energy (eV)

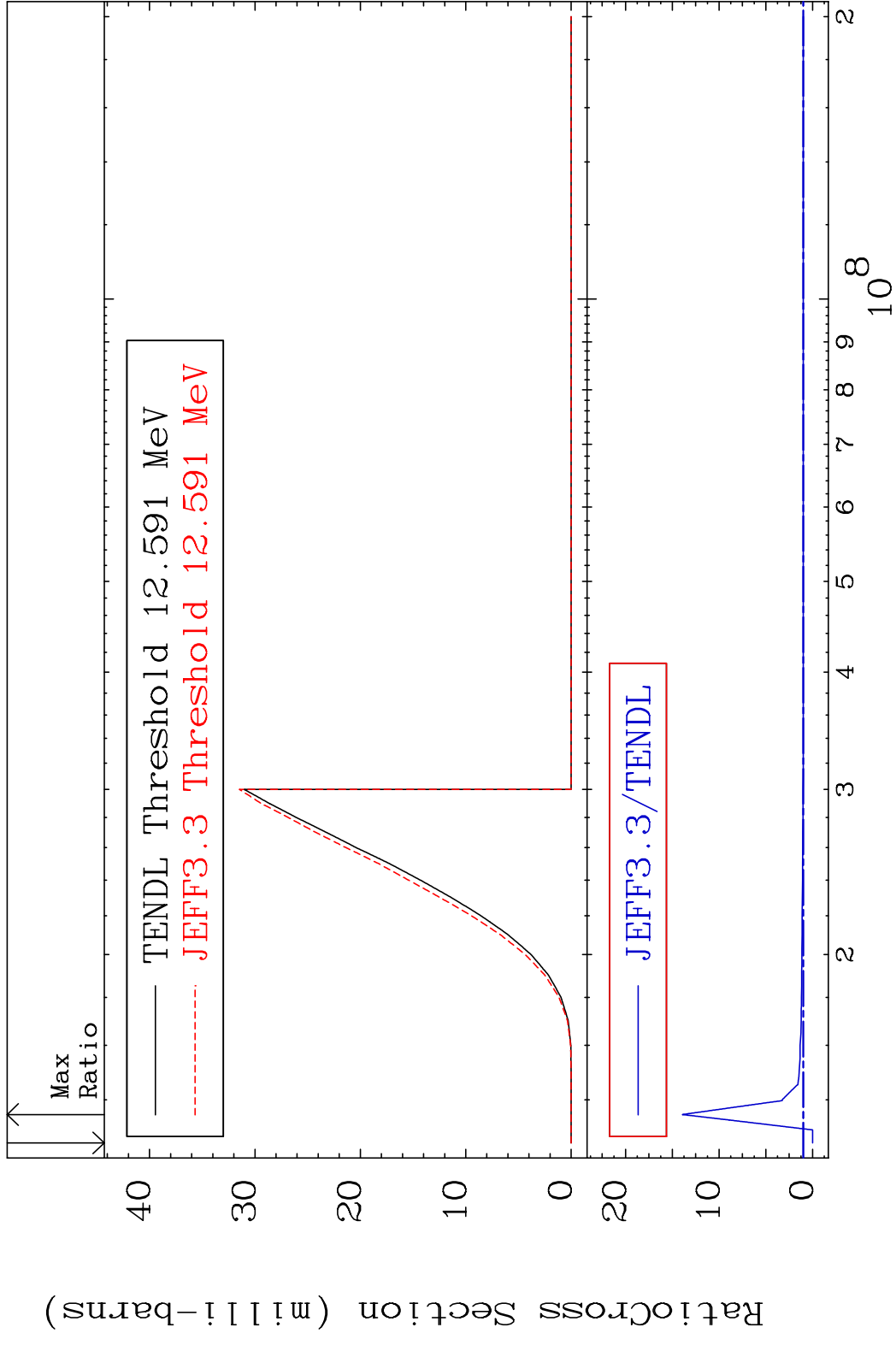
27-Co-58

MAT 2722

(n, n') d

27-Co-58

Cross Section -100.0 To 1293. %

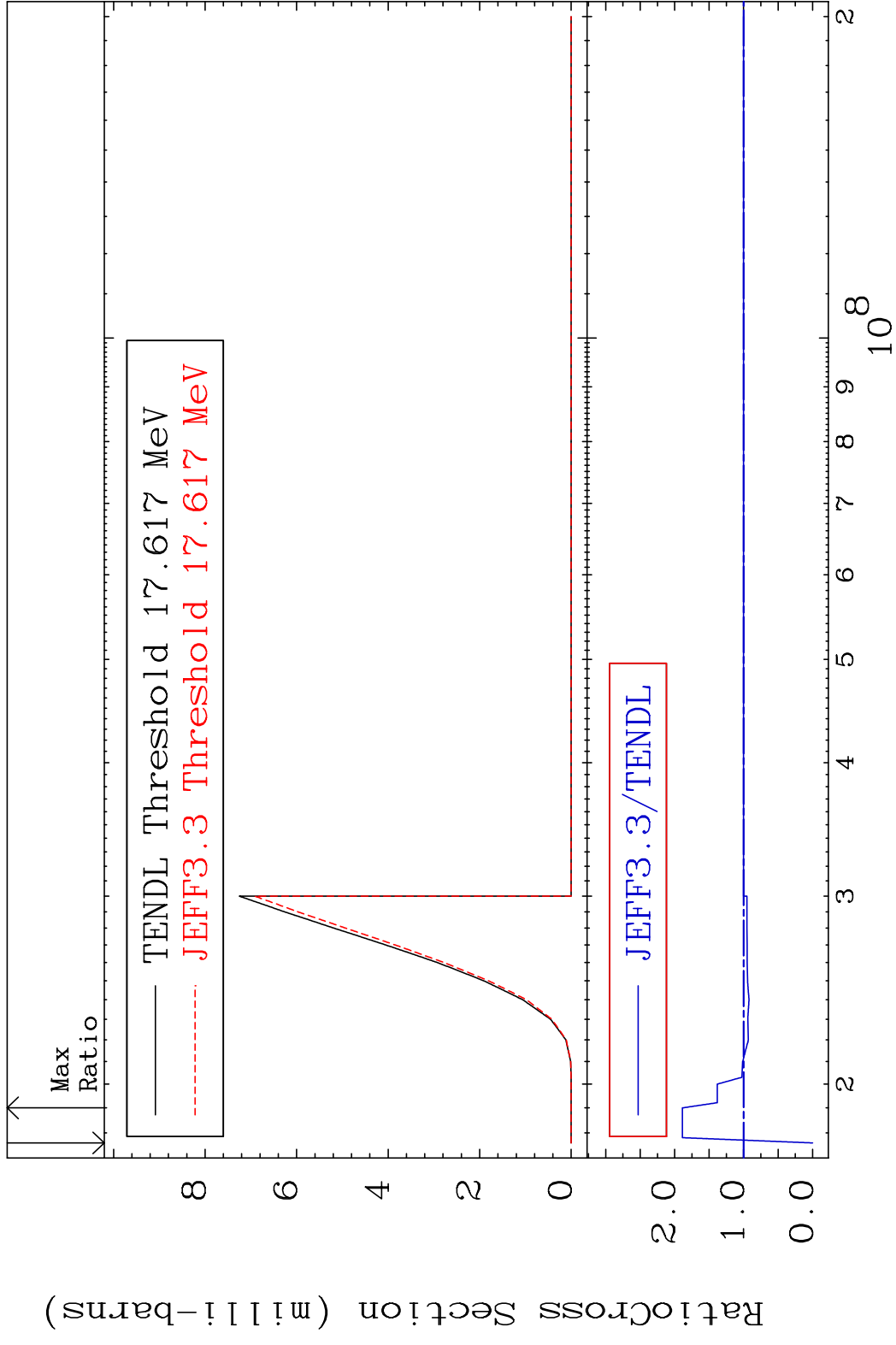


MAT 2722

(n, n') t

27-Co-58

Cross Section -100.0 To 88.87 %

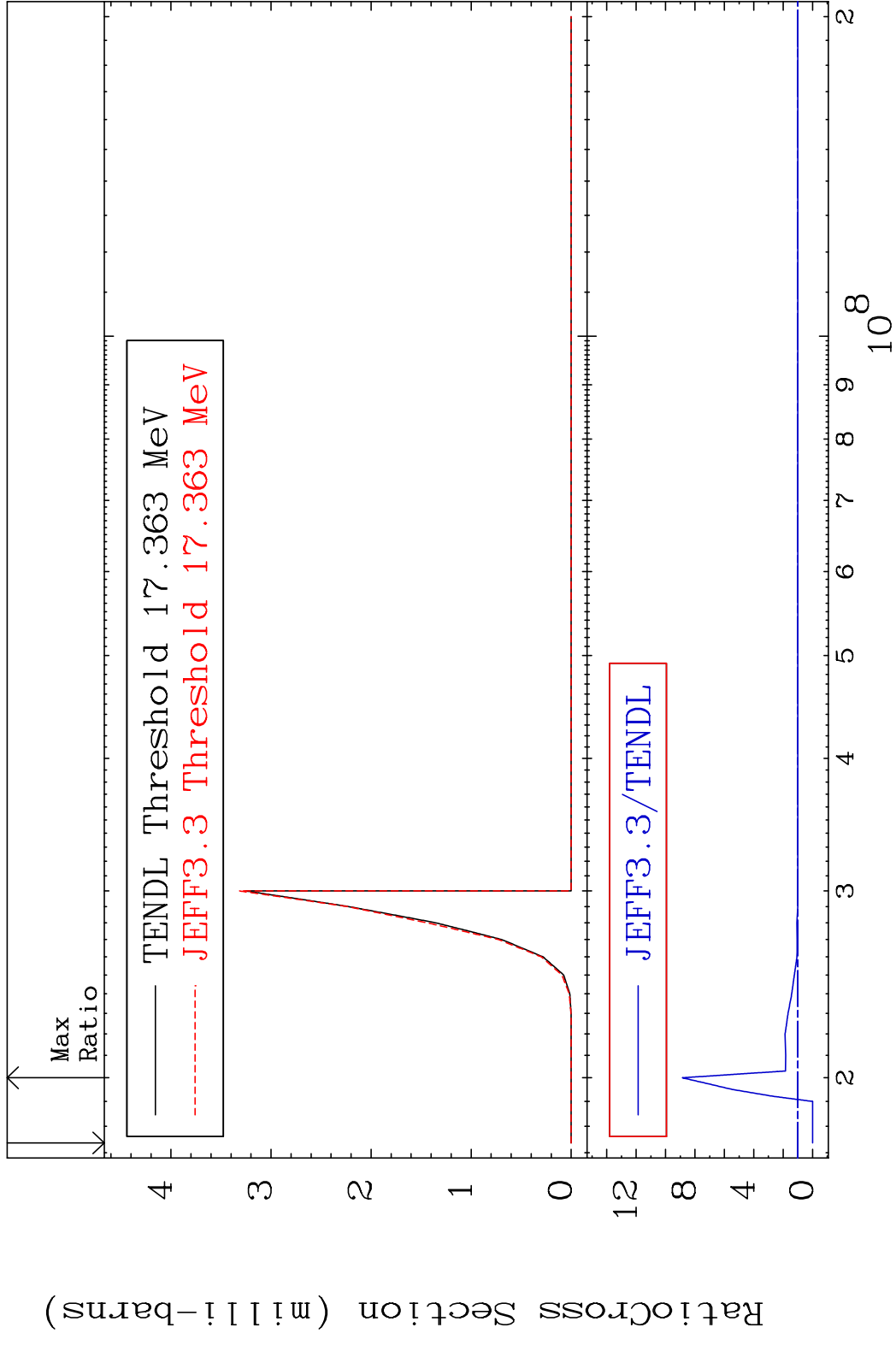


MAT 2722

(n,n') He-3

27-Co-58

Cross Section -100.0 To 785.8 %

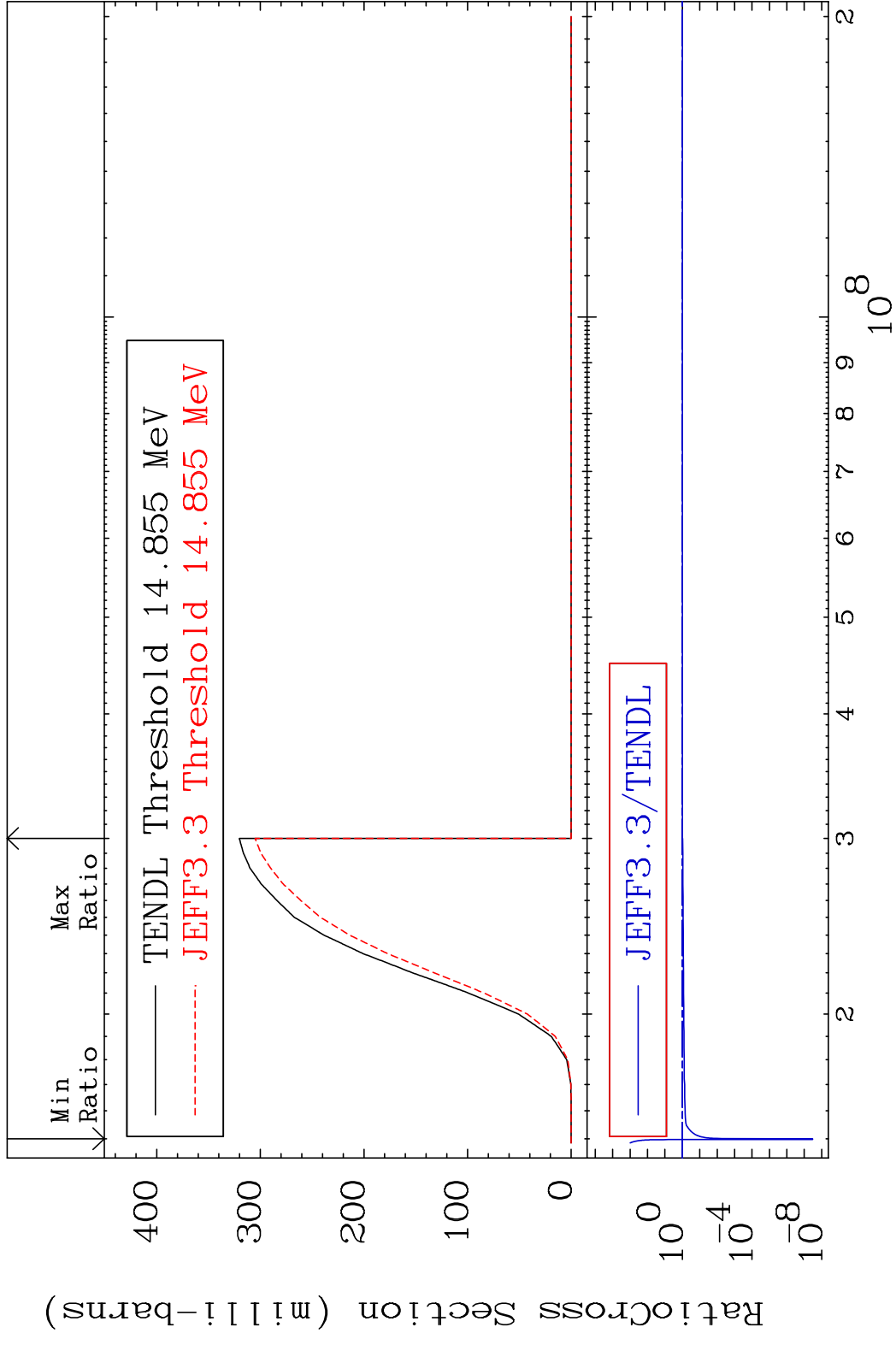


MAT 2722

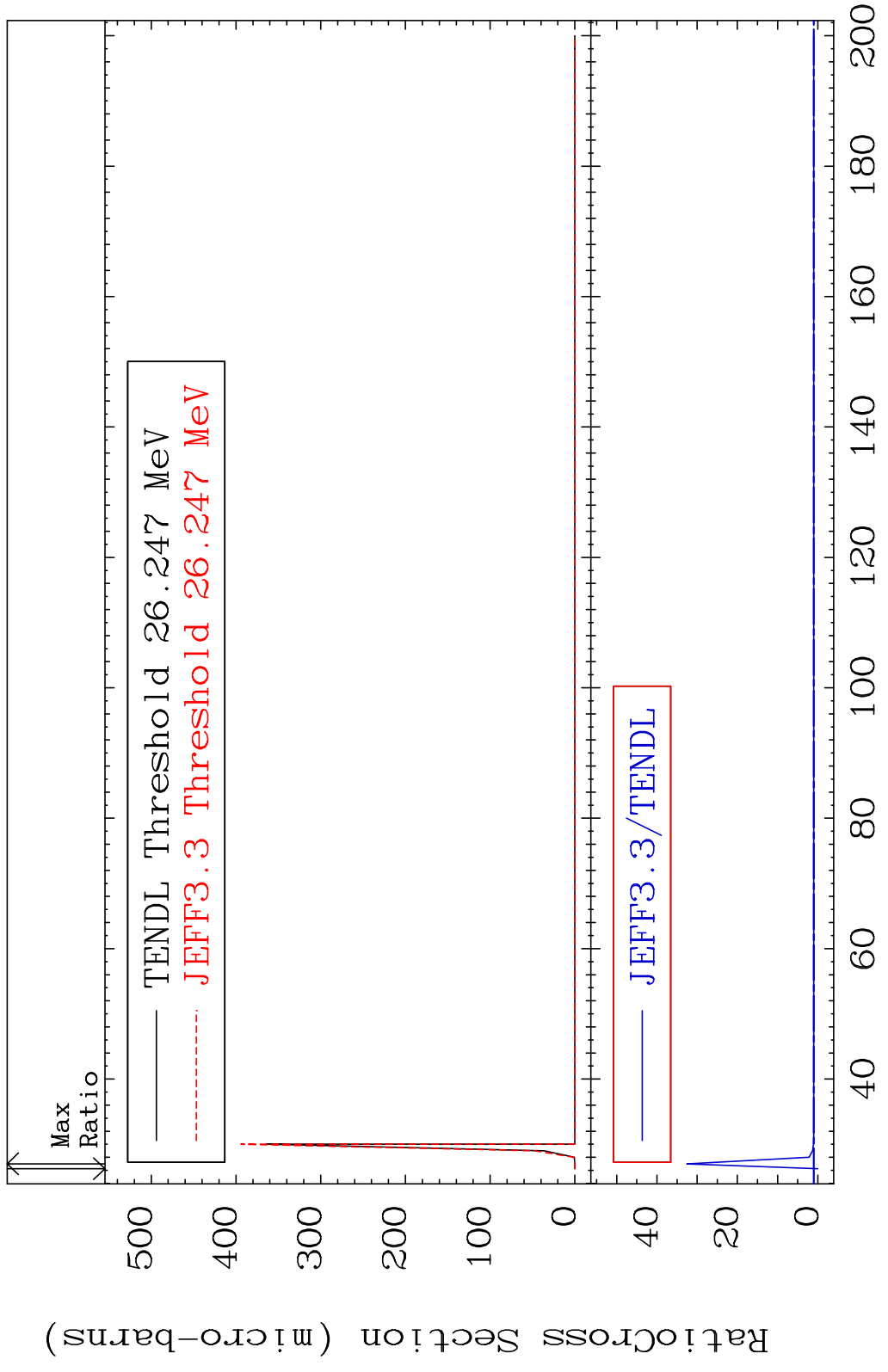
(n,2n) p

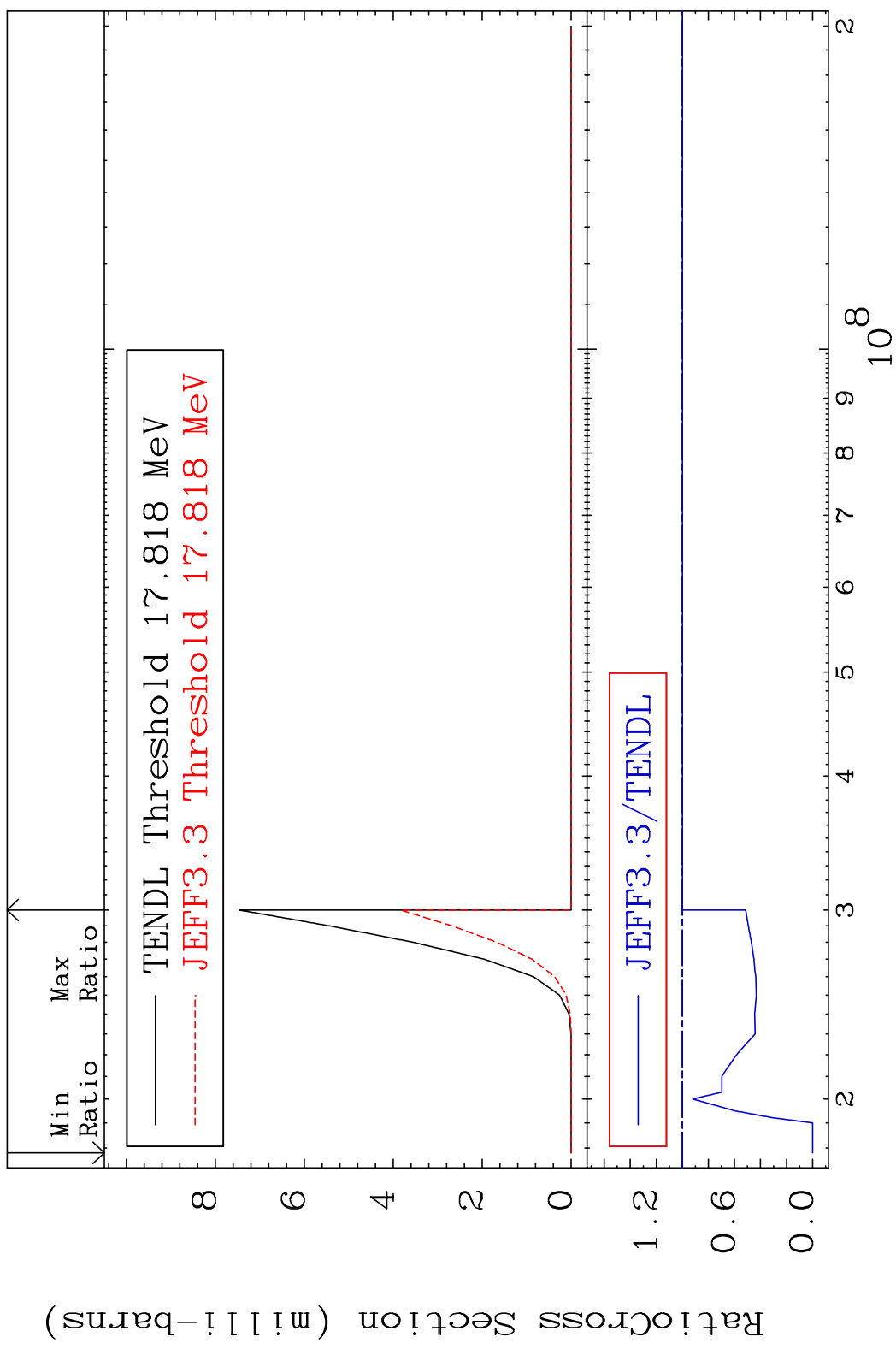
27-Co-58

Cross Section -100.0 To 0.000 %



MAT 2722 (n,3n) p 27-Co-58
 Cross Section -100.0 To 3158. %



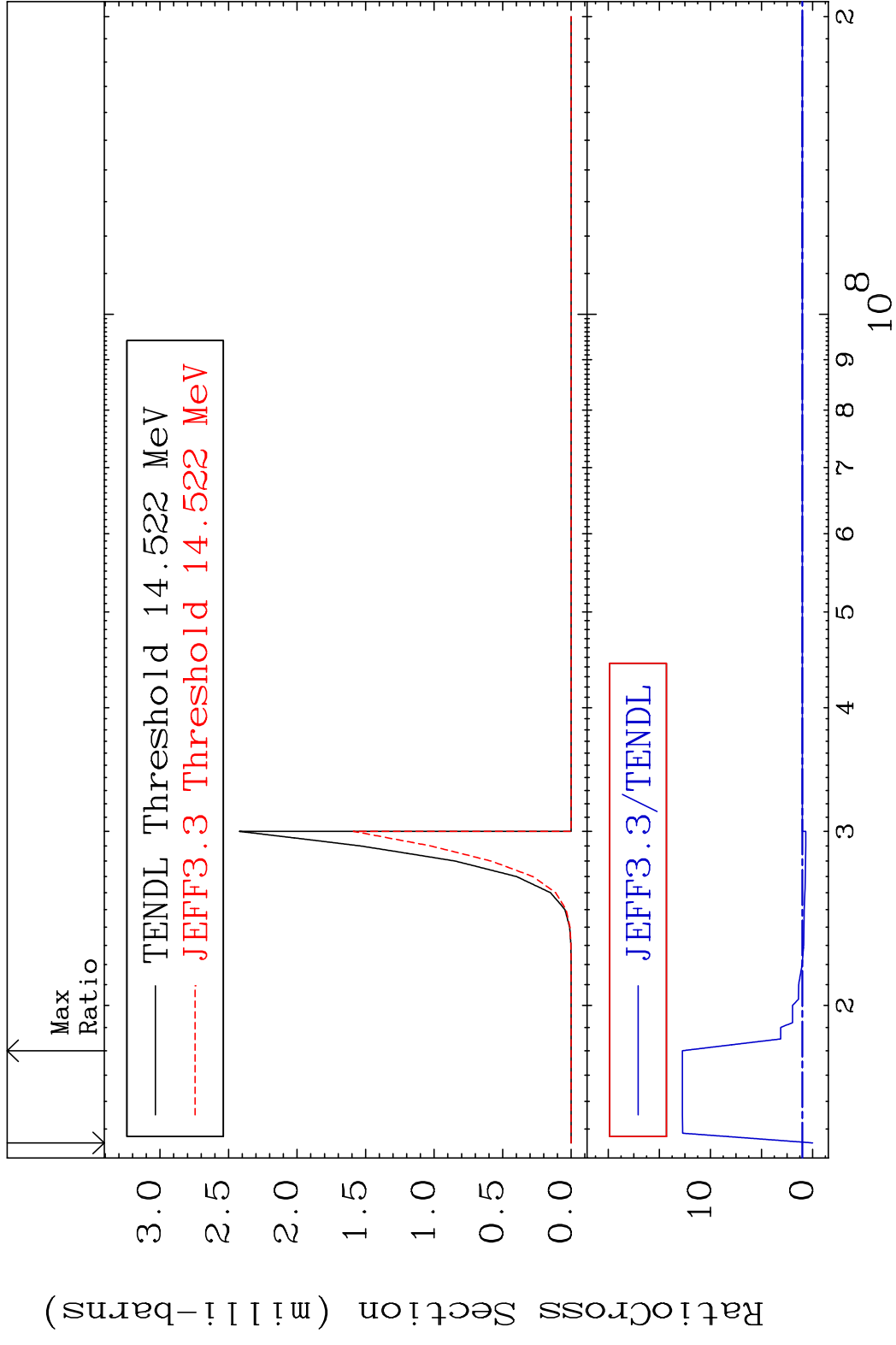


MAT 2722

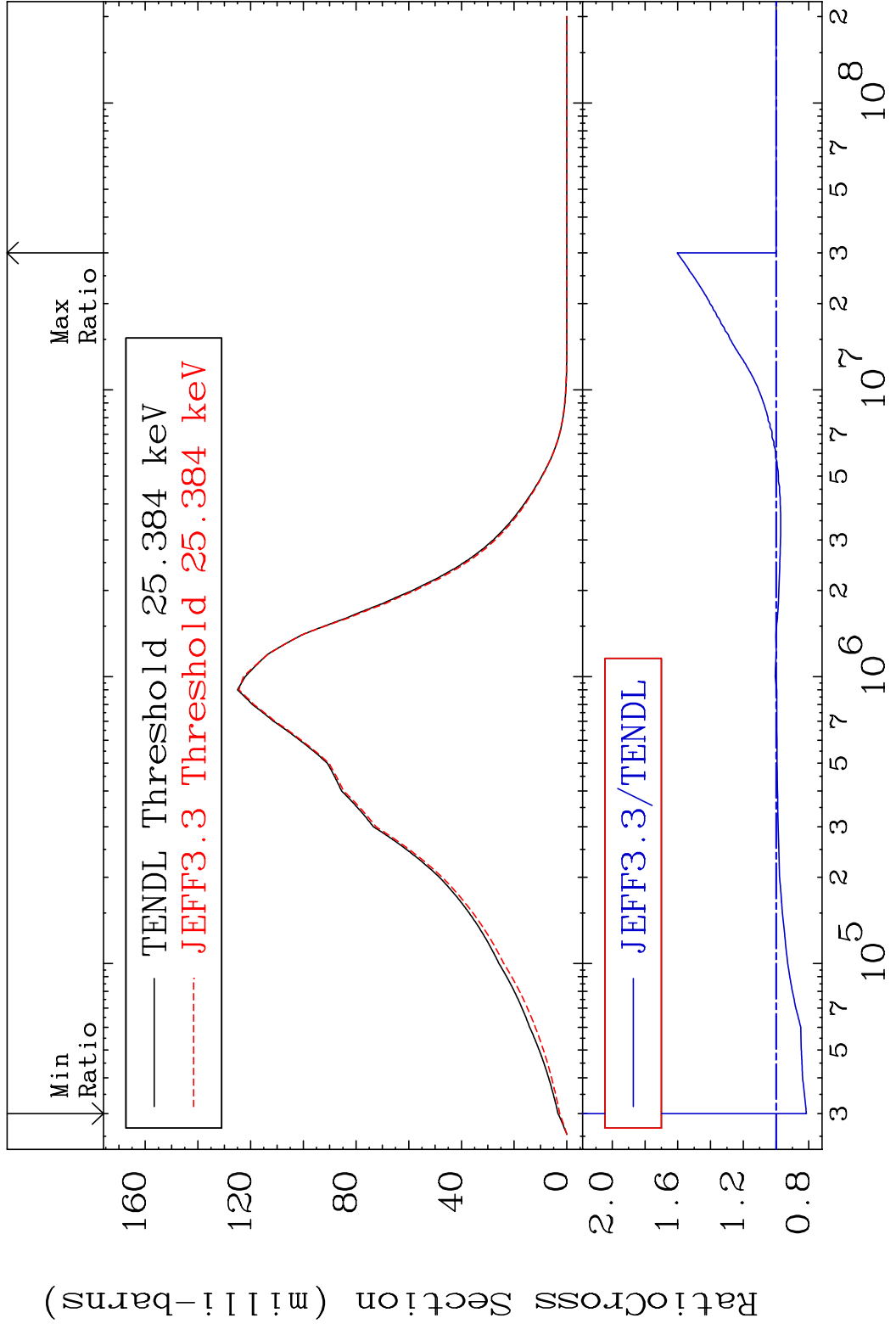
(n,n') p α

27-Co-58

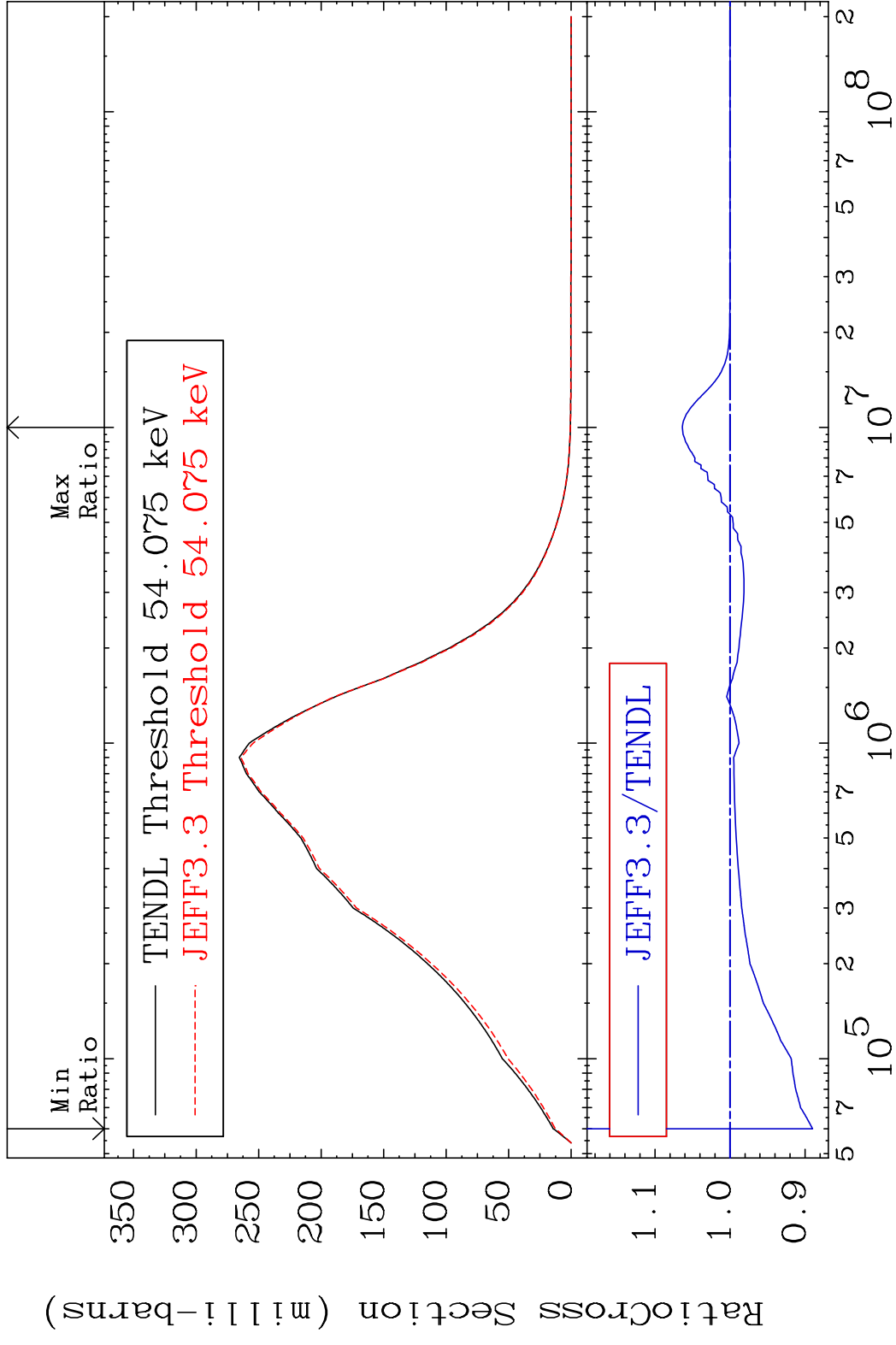
Cross Section -100.0 To 1174. %



MAT 2722 MT= 51 (n, n') Level 27-Co-58
 Cross Section -18.54 To 60.36 %



MAT 2722 MT= 52 (n, n') Level 27-Co-58
 Cross Section -11.00 To 6.351 %

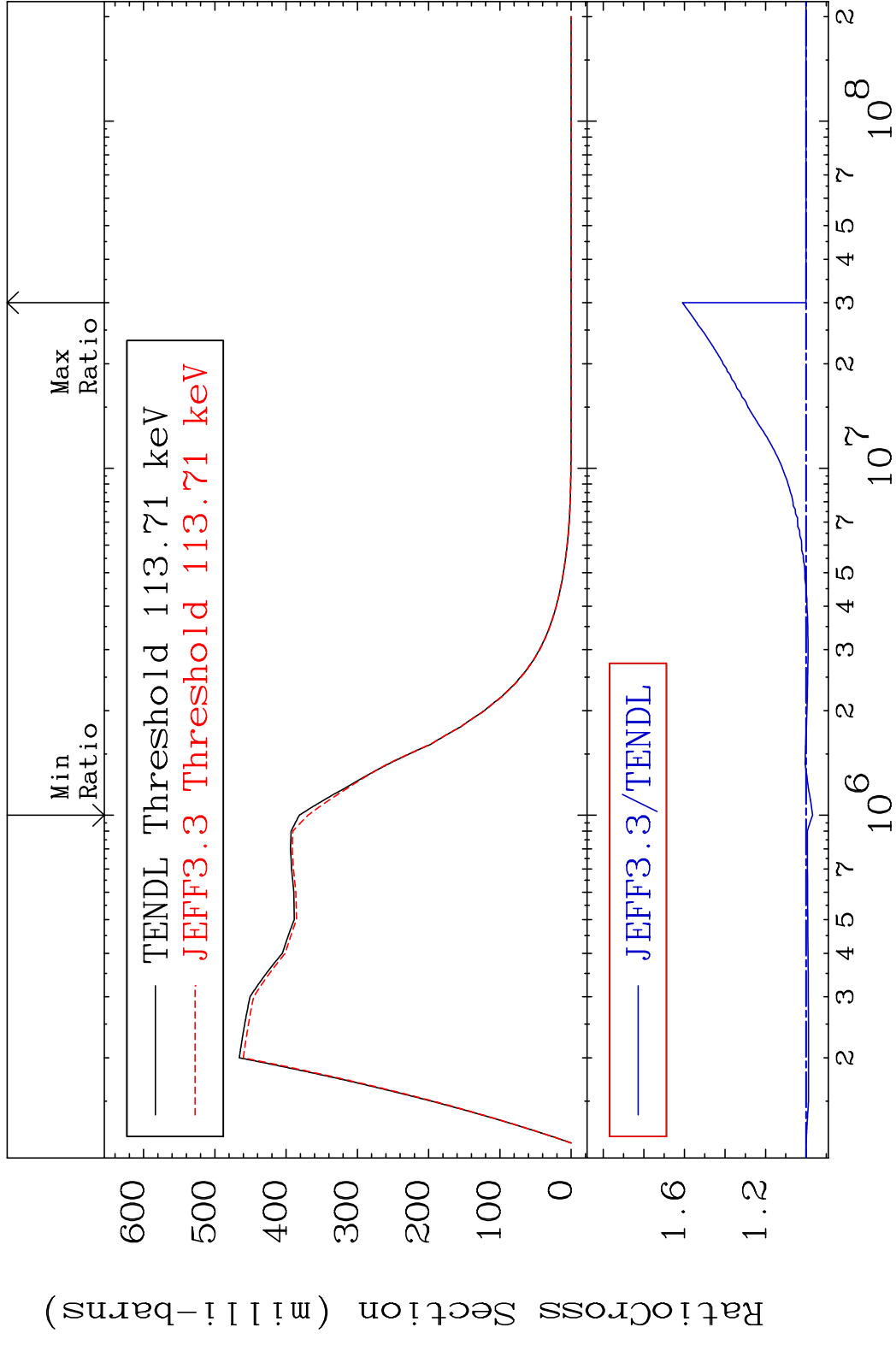


MAT 2722

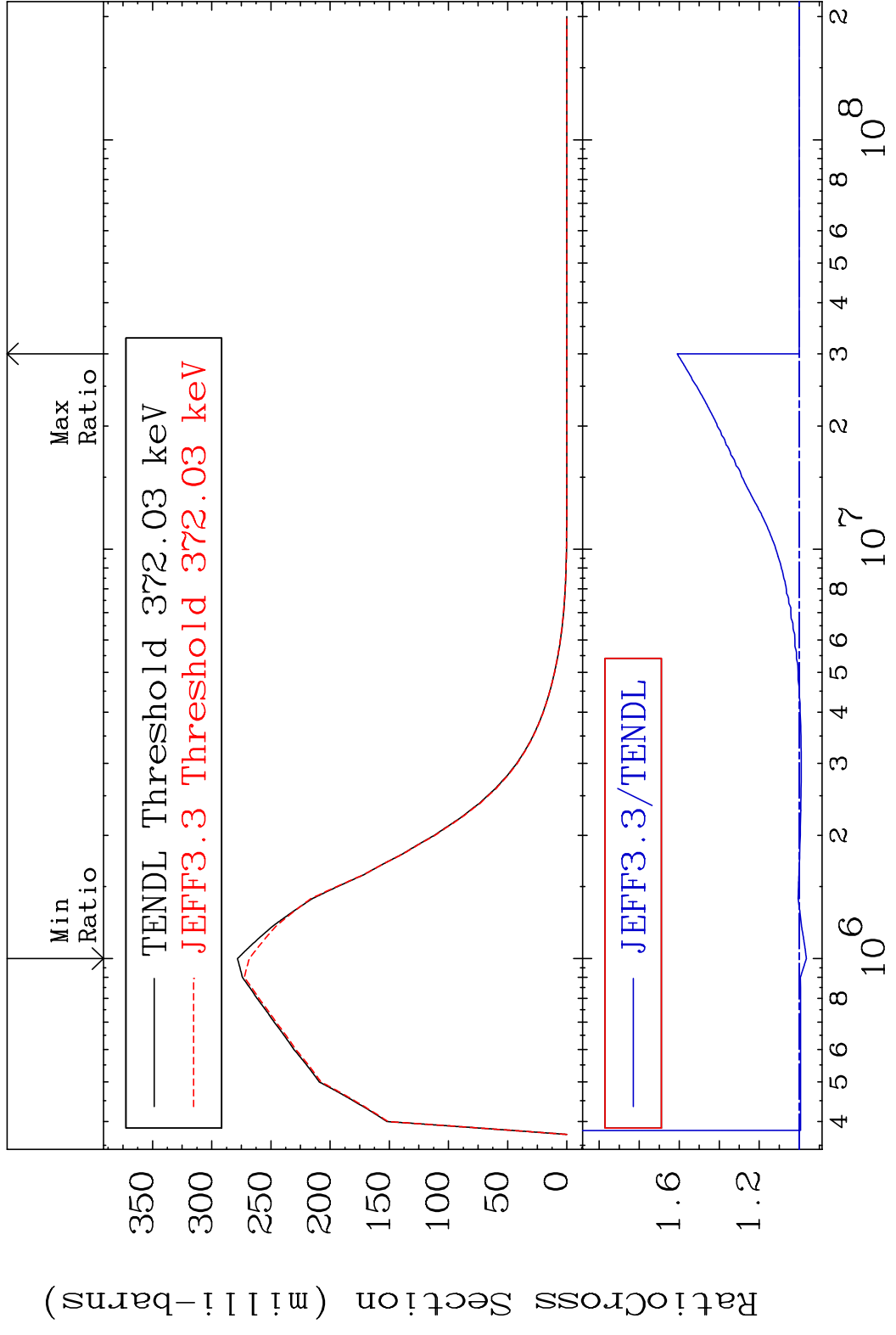
MT= 53 (n, n') Level

27-Co-58

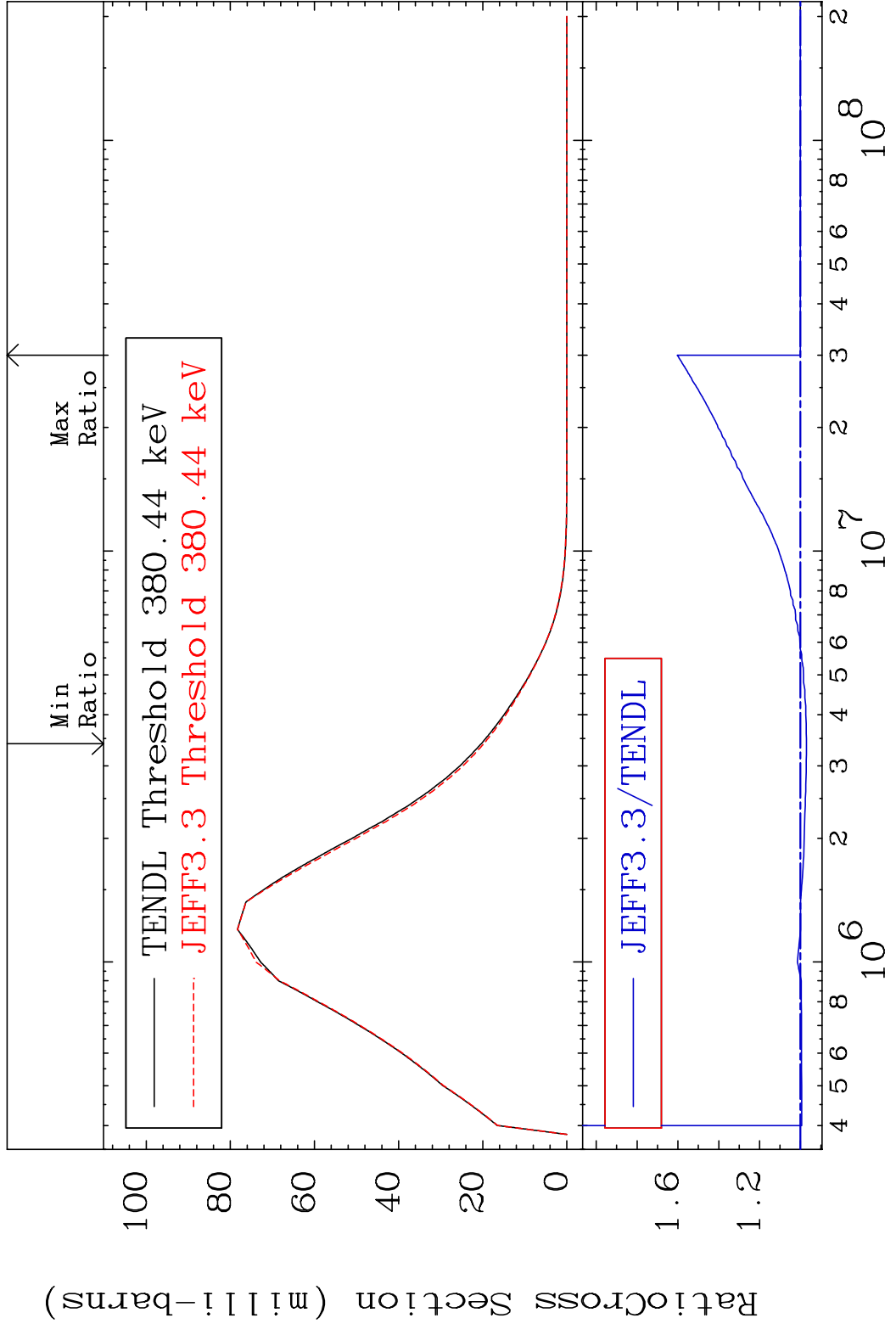
Cross Section -3.194 To 61.02 %



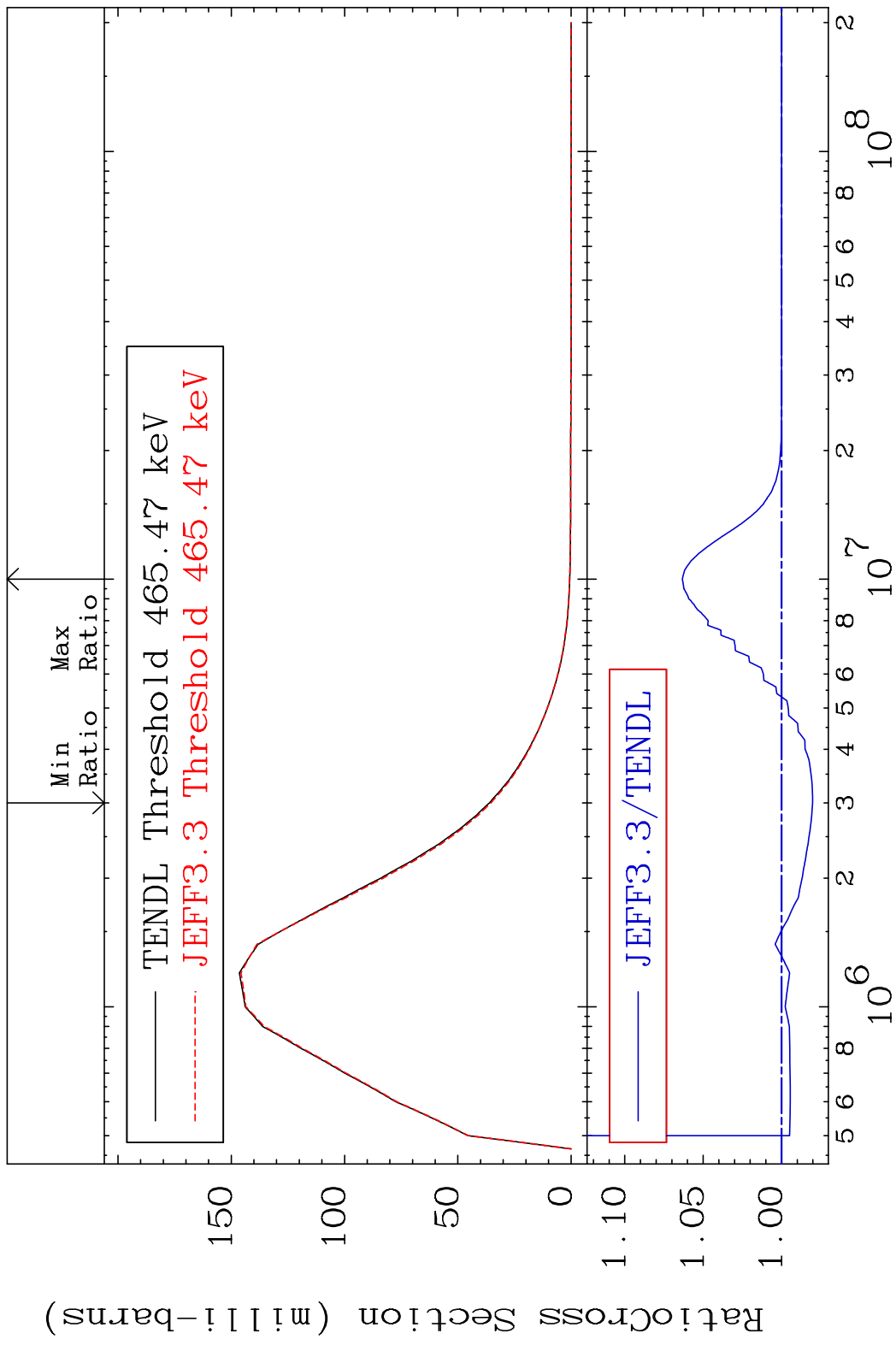
MAT 2722 MT= 54 (n,n') Level 27-Co-58
 Cross Section -3.569 To 61.03 %



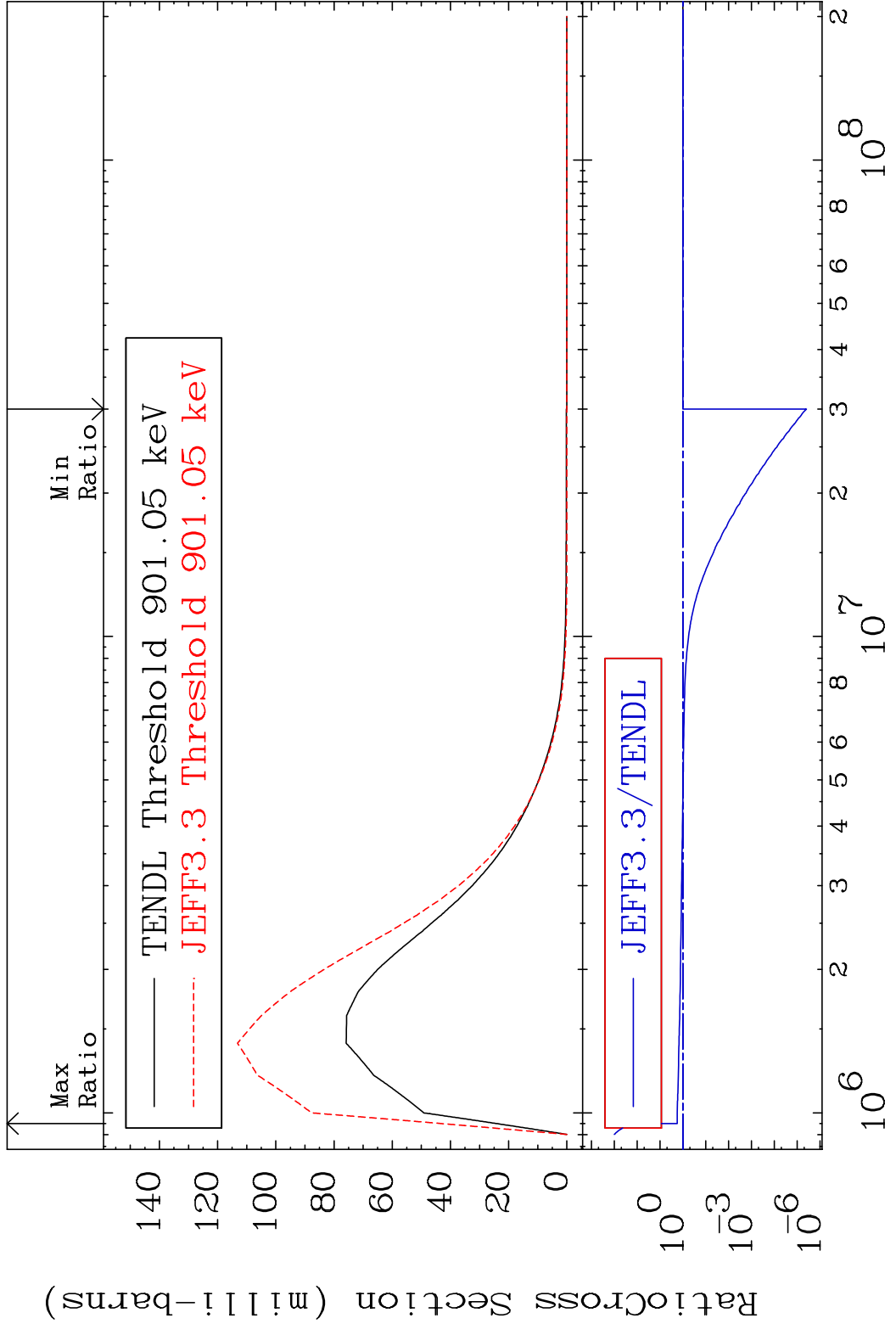
MAT 2722 MT= 55 (n, n') Level 27-Co-58
 Cross Section -2.919 To 60.36 %



MAT 2722 MT= 56 (n, n') Level 27-Co-58
 Cross Section -1.975 To 6.329 %



MAT 2722 MT= 57 (n, n') Level 27-Co-58
 Cross Section -100.0 To 78.53 %

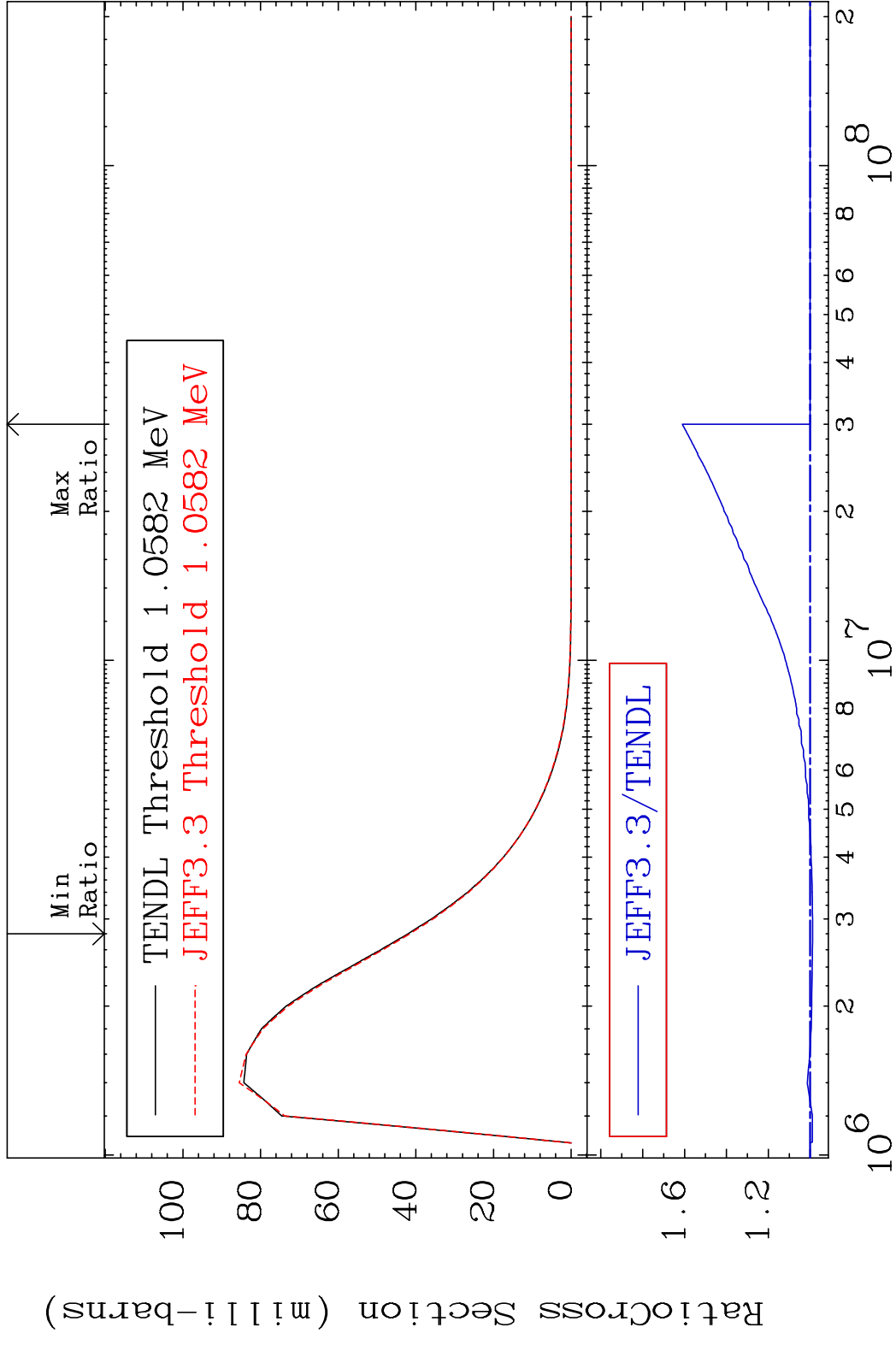


MAT 2722

MT= 58 (n, n') Level

27-Co-58

Cross Section -1.139 To 61.06 %



25

Incident Energy (eV)

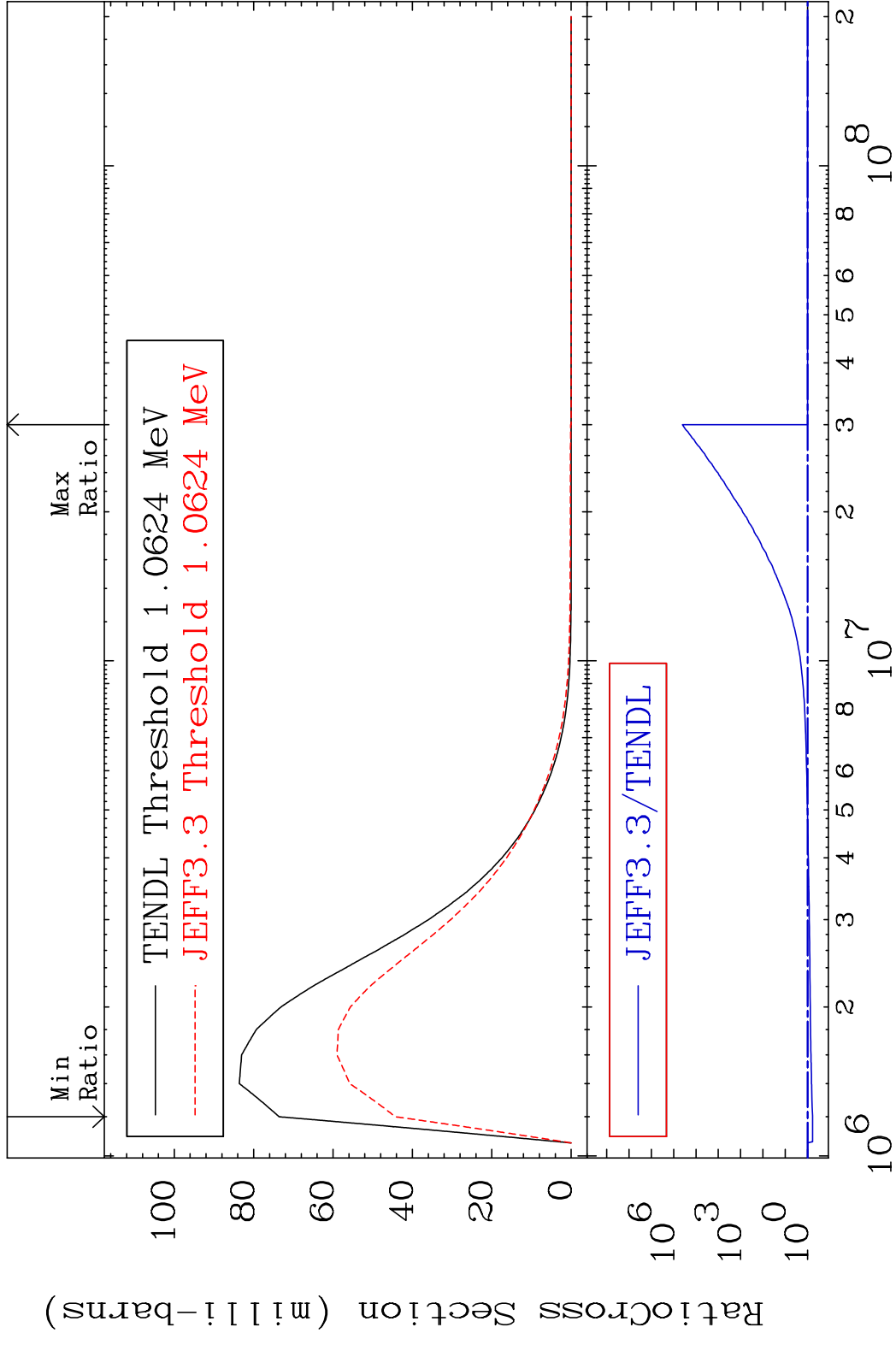
27-Co-58

MAT 2722

MT= 59 (n, n') Level

27-Co-58

Cross Section -39.79 To 9999. %

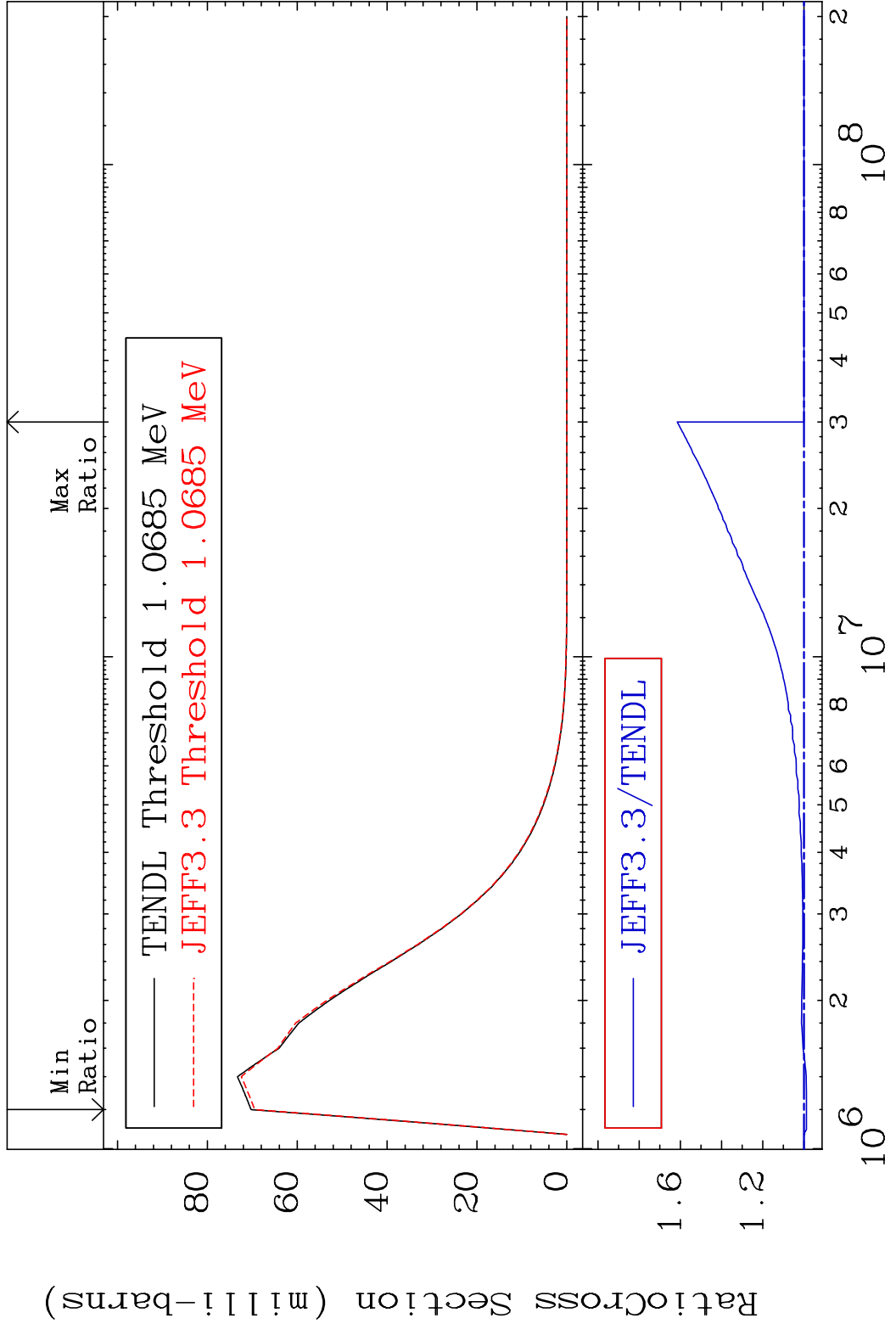


26

Incident Energy (eV)

27-Co-58

MAT 2722 MT= 60 (n, n') Level 27-Co-58
 Cross Section -1.184 To 61.54 %



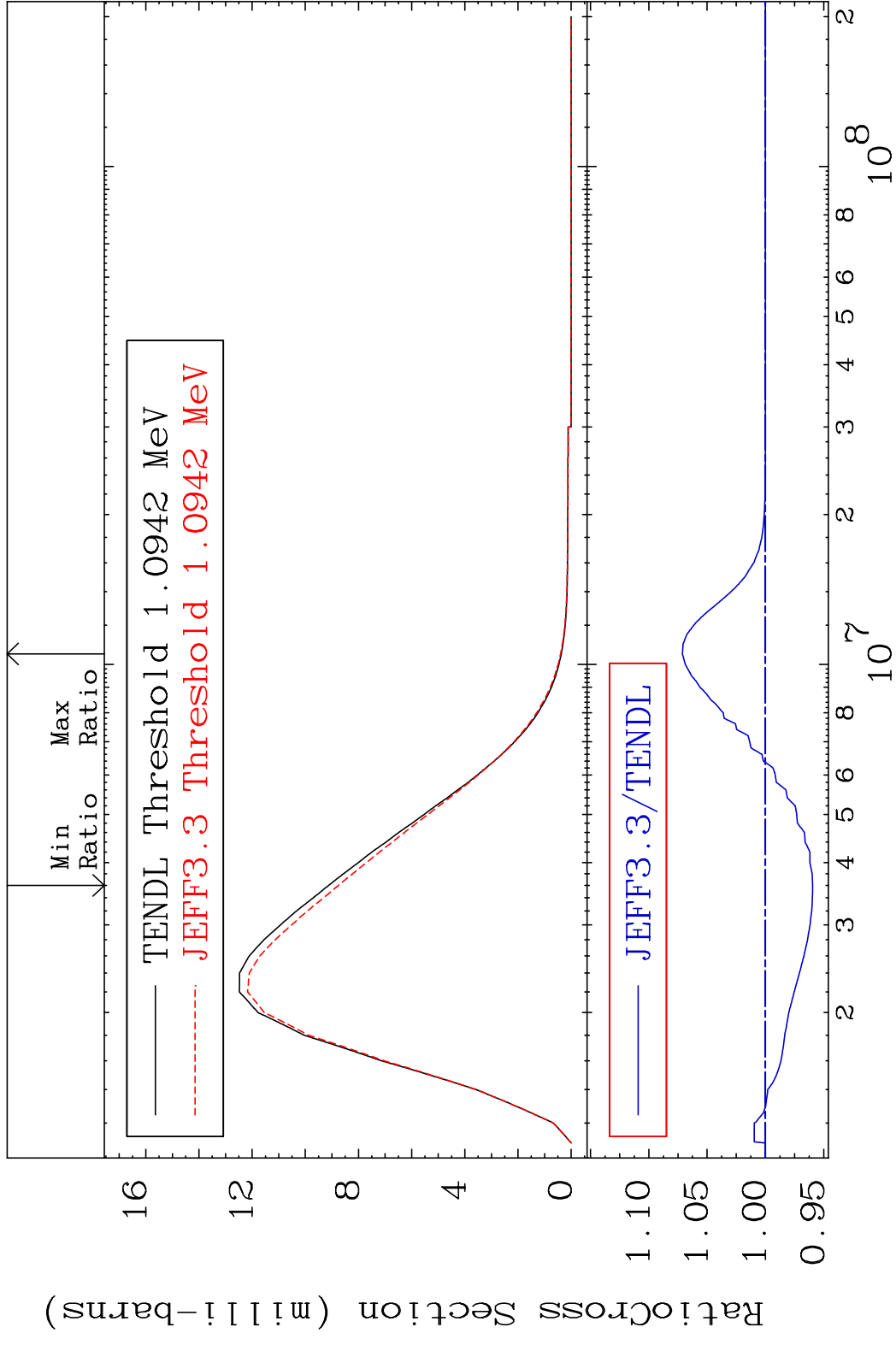
27 Incident Energy (eV) 27-Co-58

MAT 2722

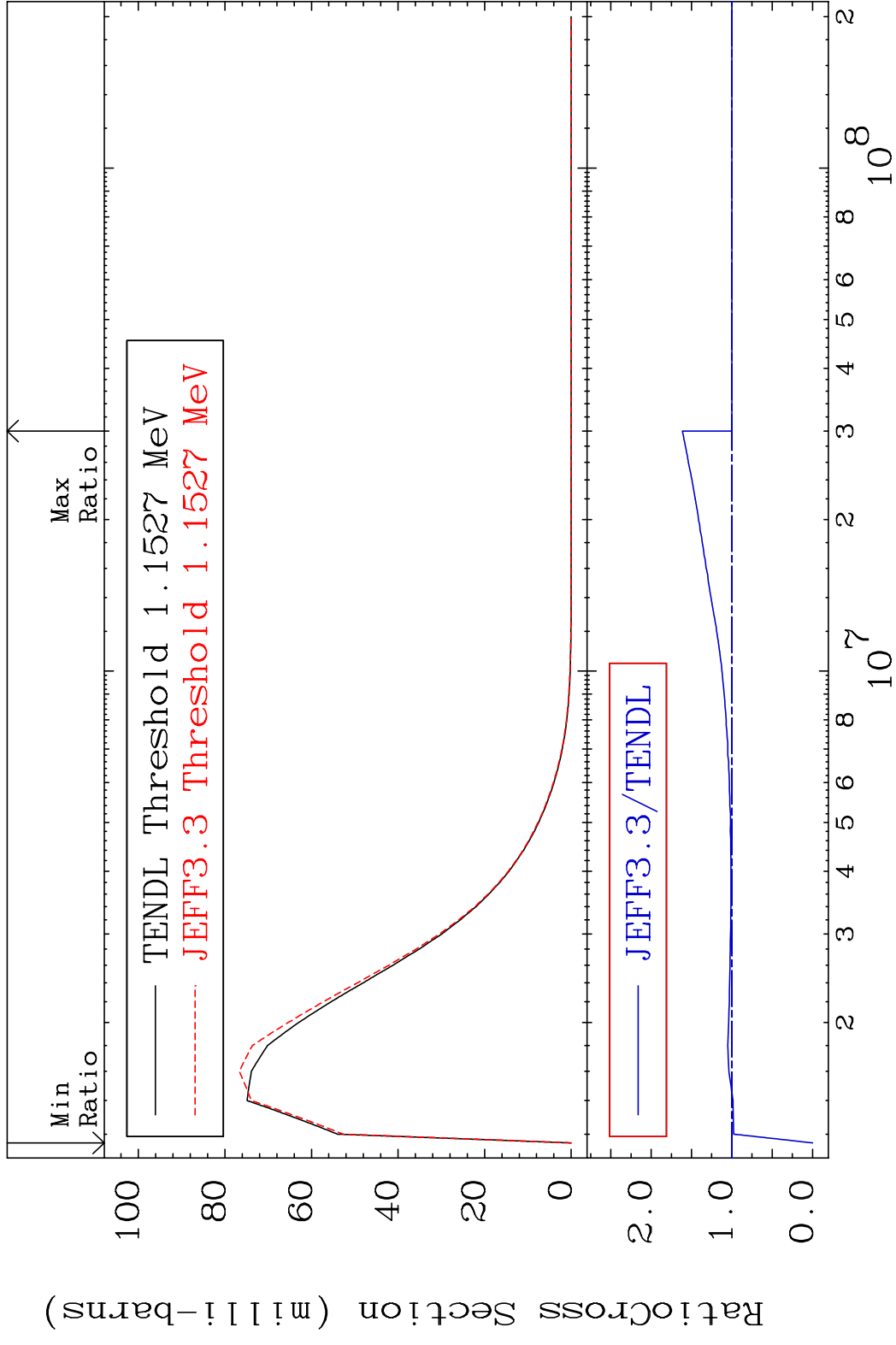
MT= 61 (n, n') Level

27-Co-58

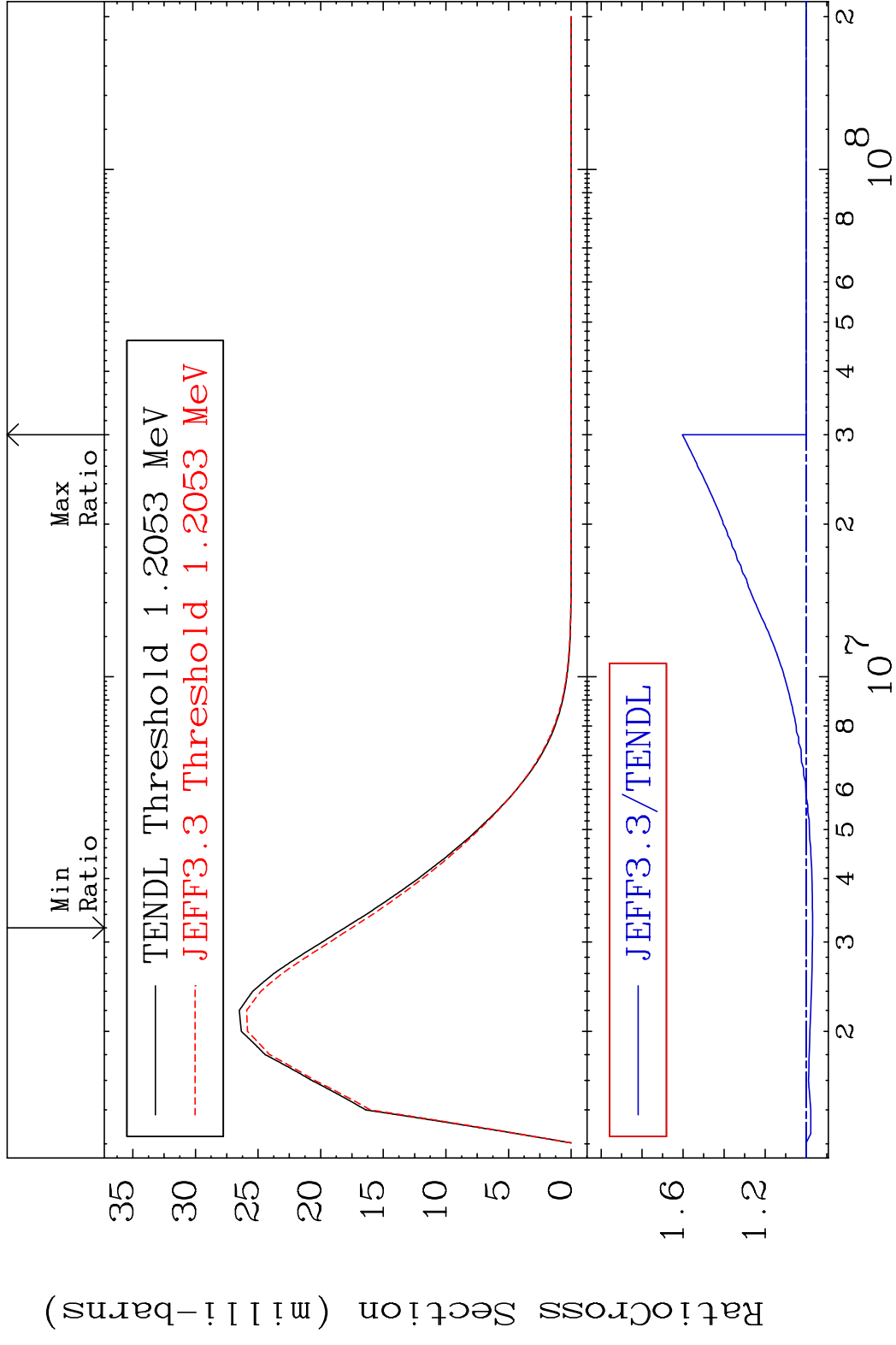
Cross Section -4.046 To 7.123 %



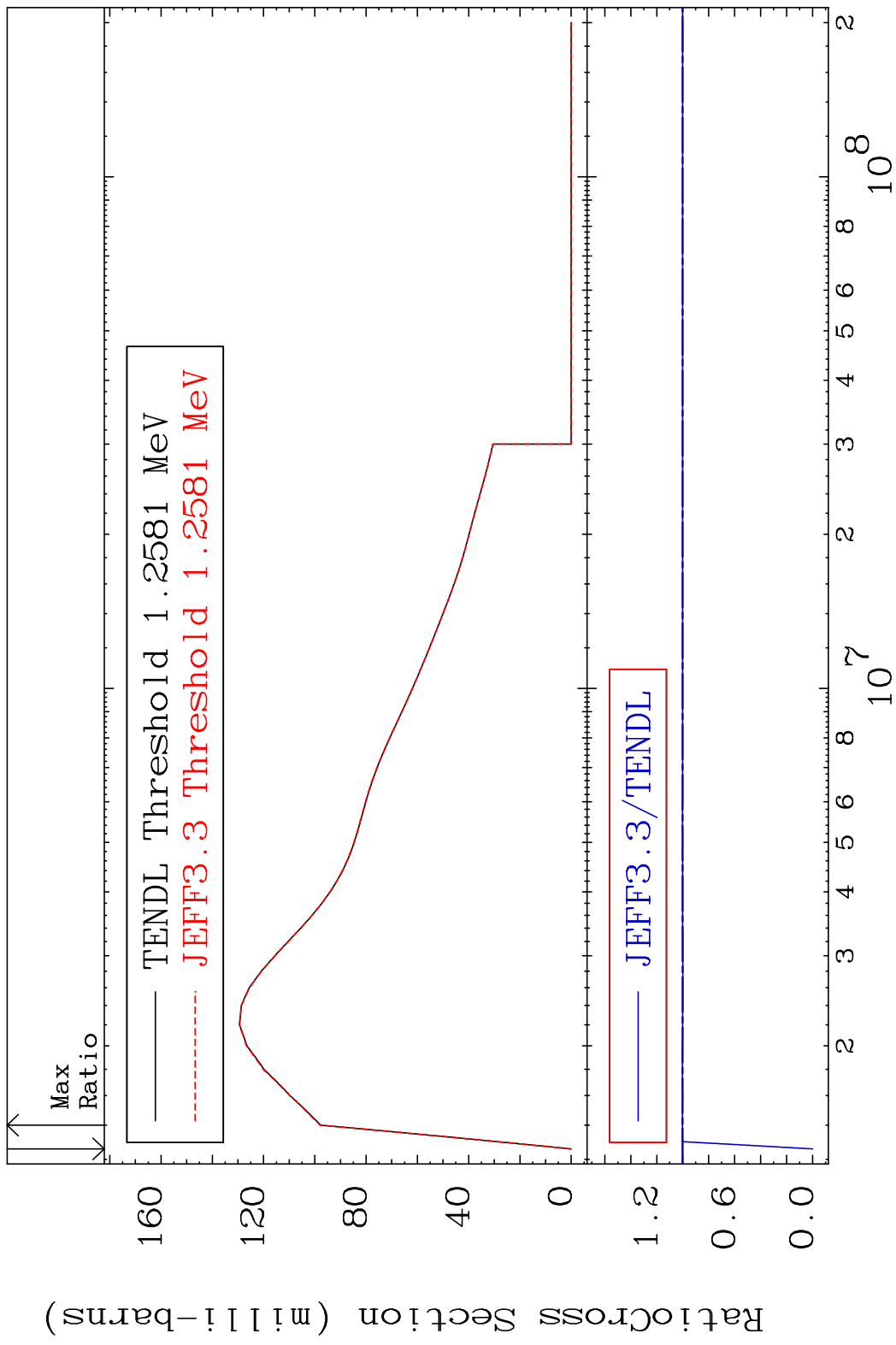
MAT 2722 MT= 62 (n, n') Level 27-Co-58
 Cross Section -100.0 To 61.35 %



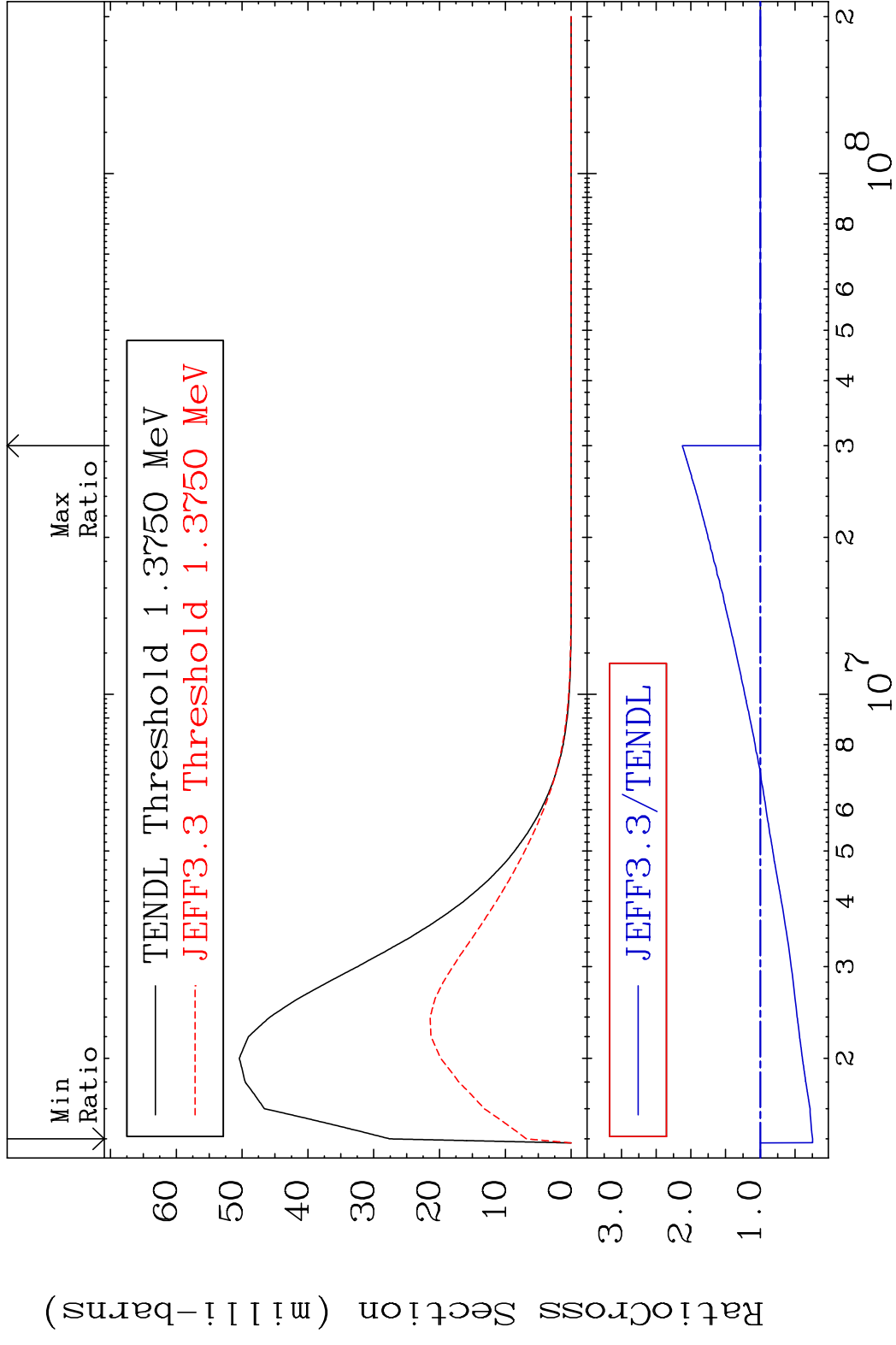
MAT 2722 MT= 63 (n, n') Level 27-Co-58
 Cross Section -3.121 To 60.37 %



MAT 2722 MT= 64 (n, n') Level 27-Co-58
 Cross Section -100.0 To 0.271 %



MAT 2722 MT= 65 (n, n') Level 27-Co-58
 Cross Section -75.31 To 112.3 %

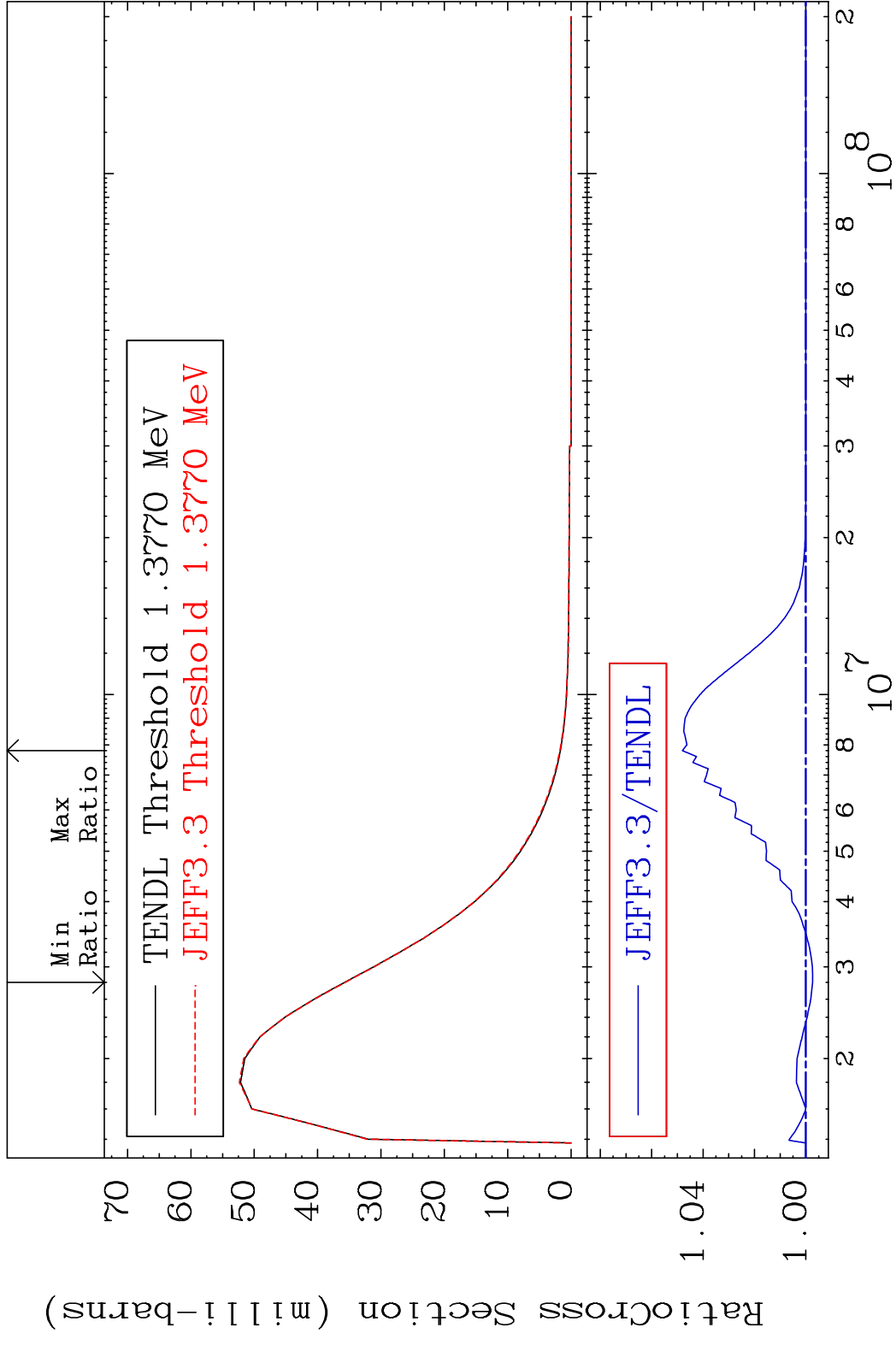


MAT 2722

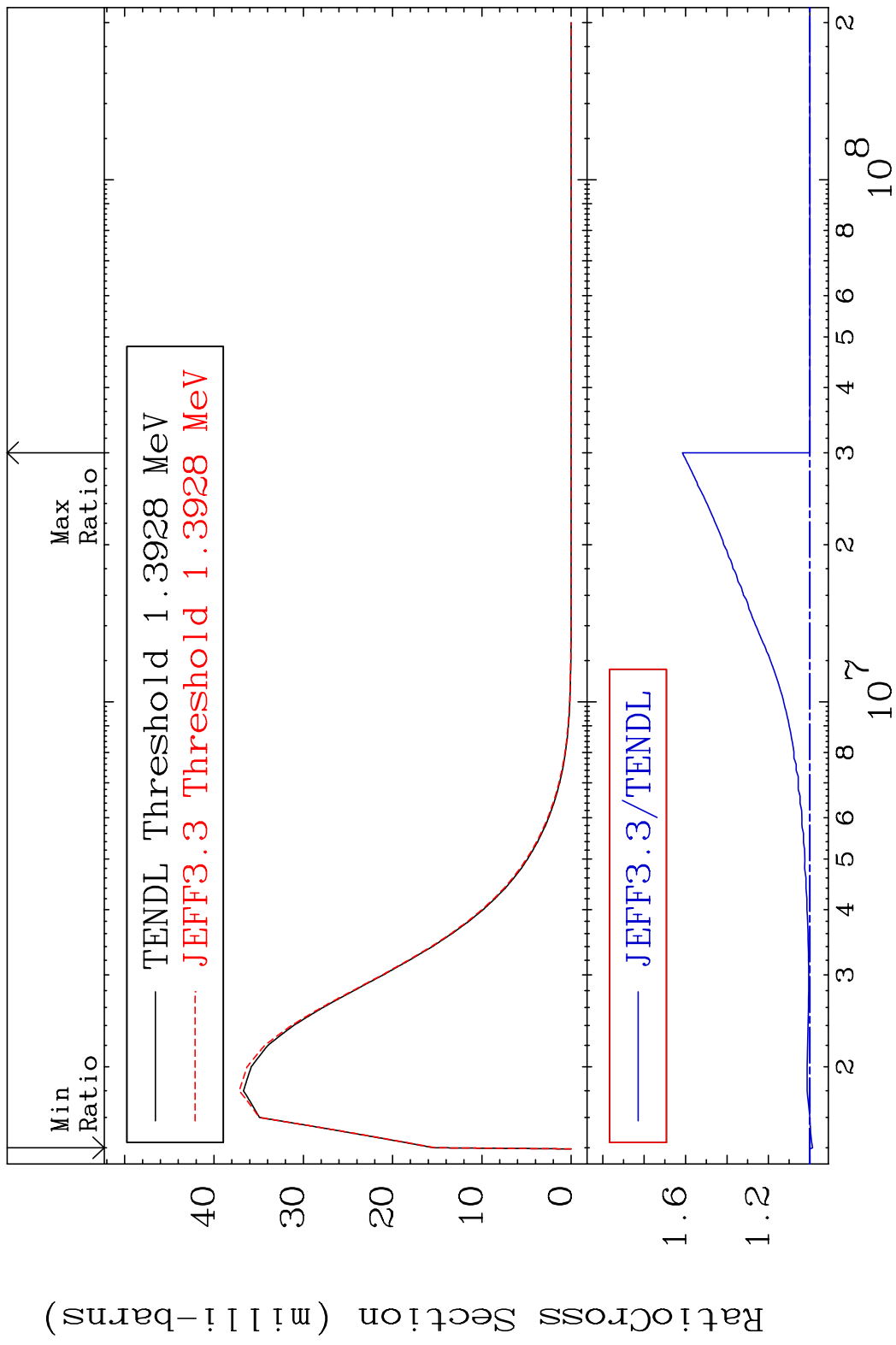
MT= 66 (n, n') Level

27-Co-58

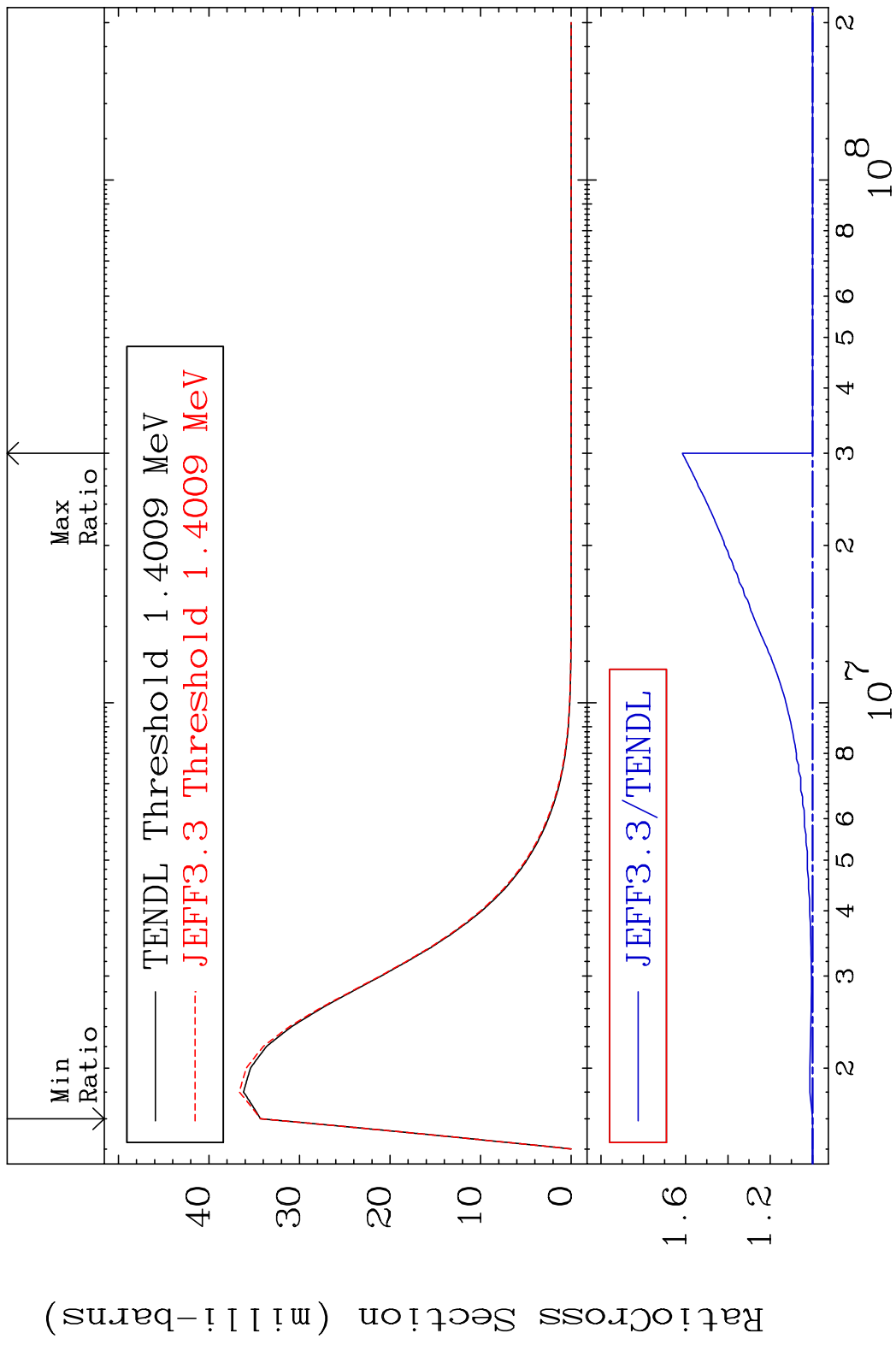
Cross Section -0.263 To 4.805 %



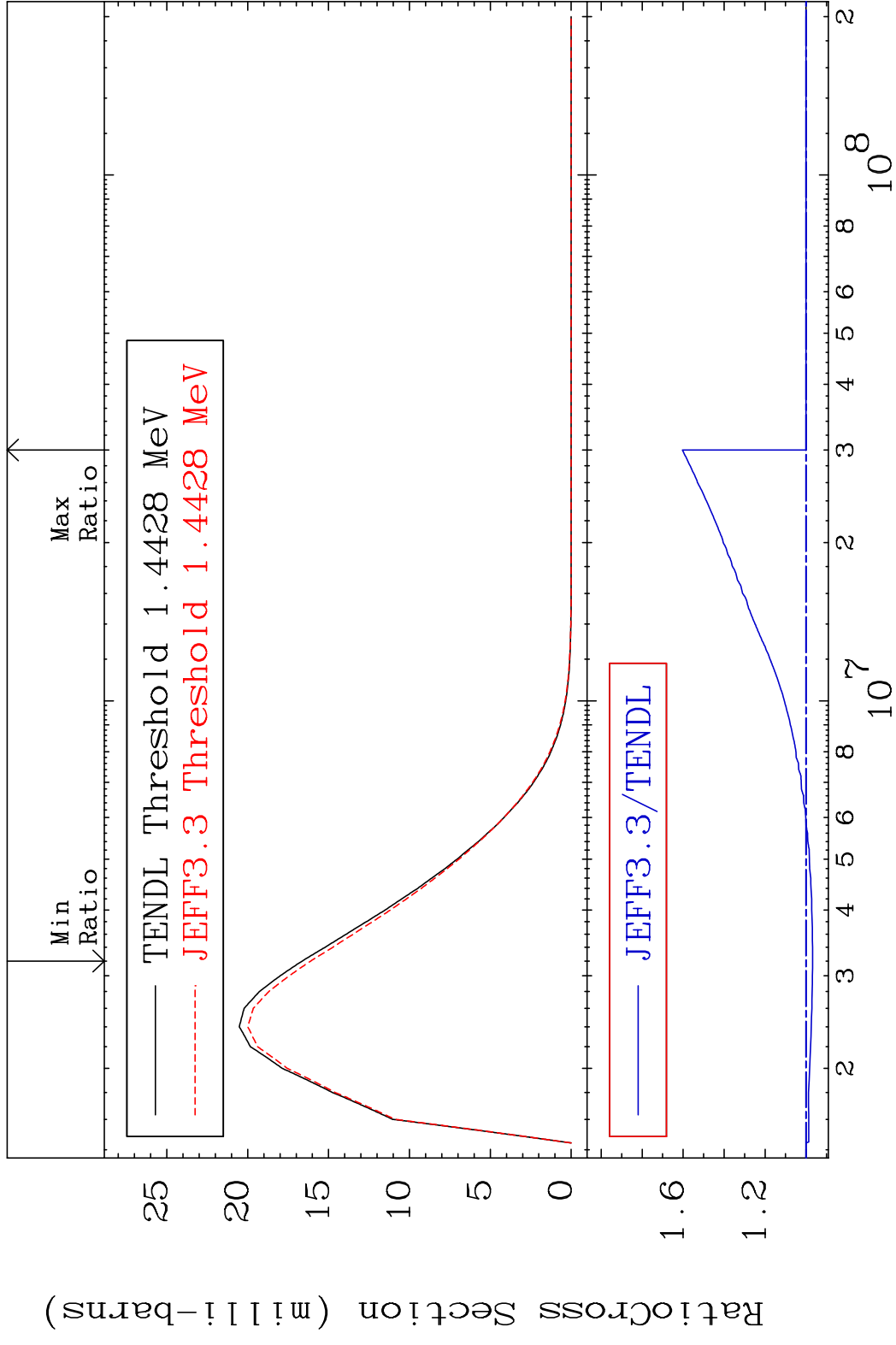
MAT 2722 MT= 67 (n, n') Level 27-Co-58
 Cross Section -1.338 To 61.56 %



MAT 2722 MT= 68 (n, n') Level 27-Co-58
 Cross Section -0.020 To 61.56 %



MAT 2722 MT= 69 (n, n') Level 27-Co-58
 Cross Section -3.167 To 60.38 %

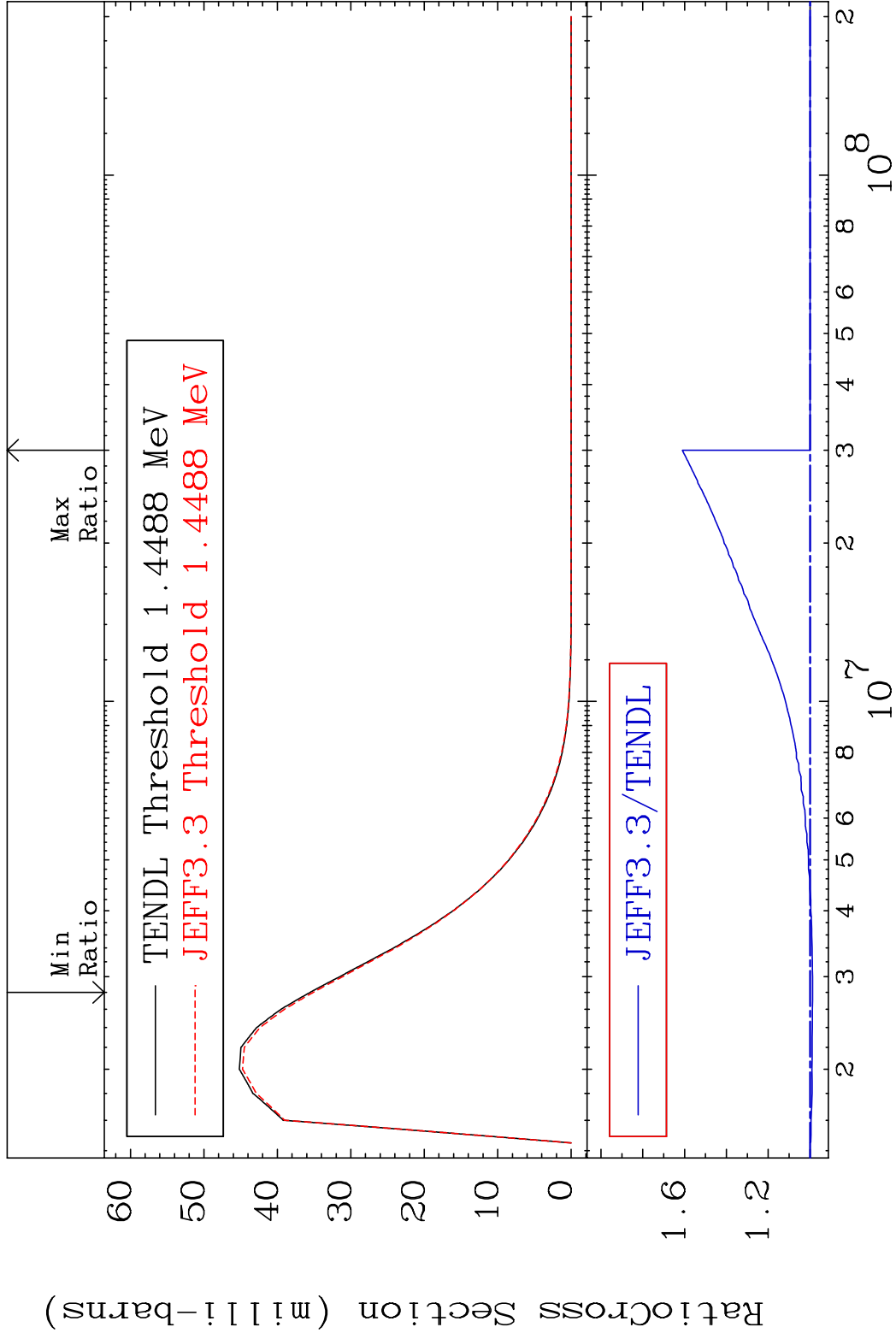


MAT 2722

MT= 70 (n, n') Level

27-Co-58

Cross Section -1.215 To 61.07 %

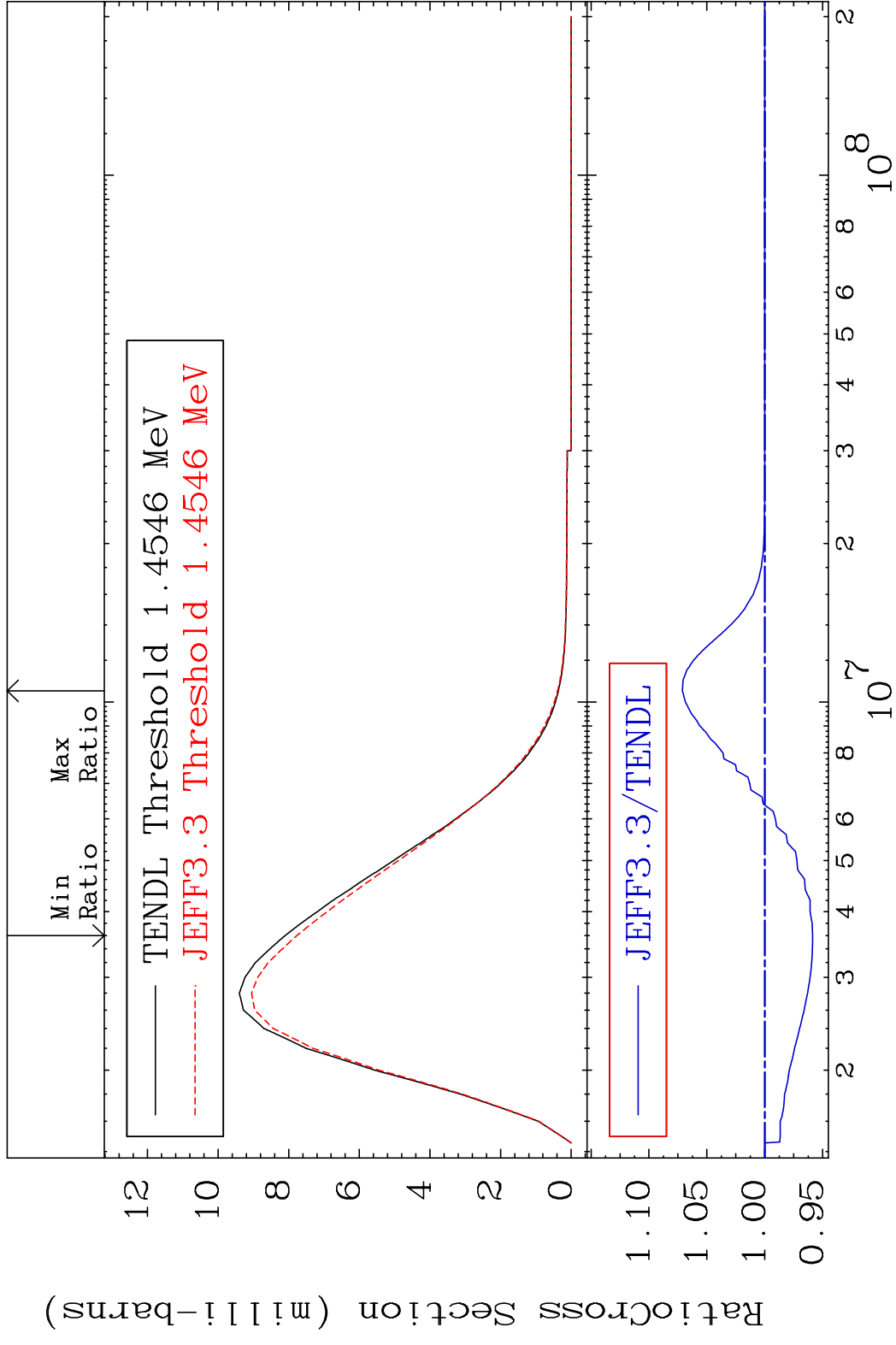


MAT 2722

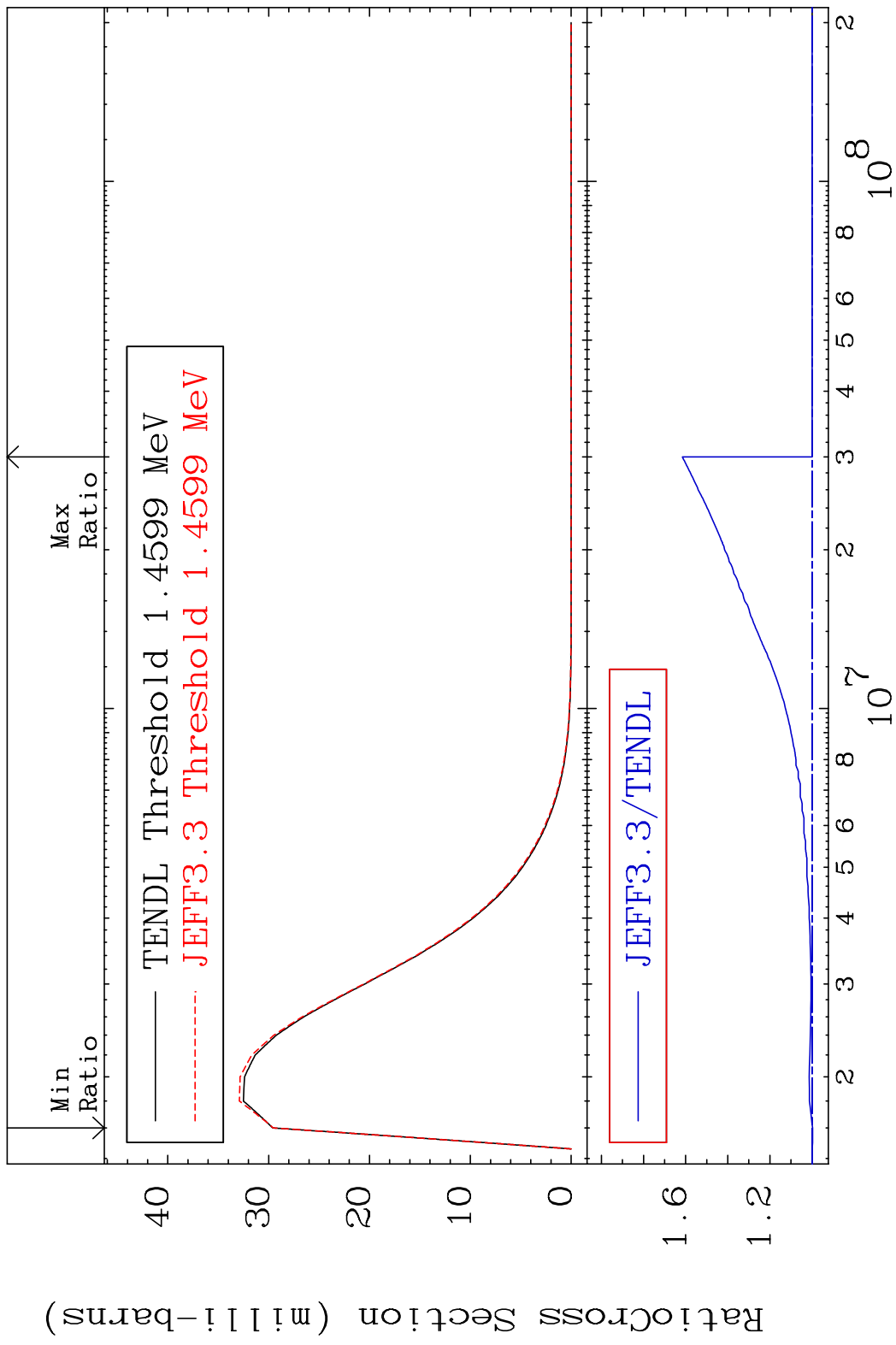
MT= 71 (n, n') Level

27-Co-58

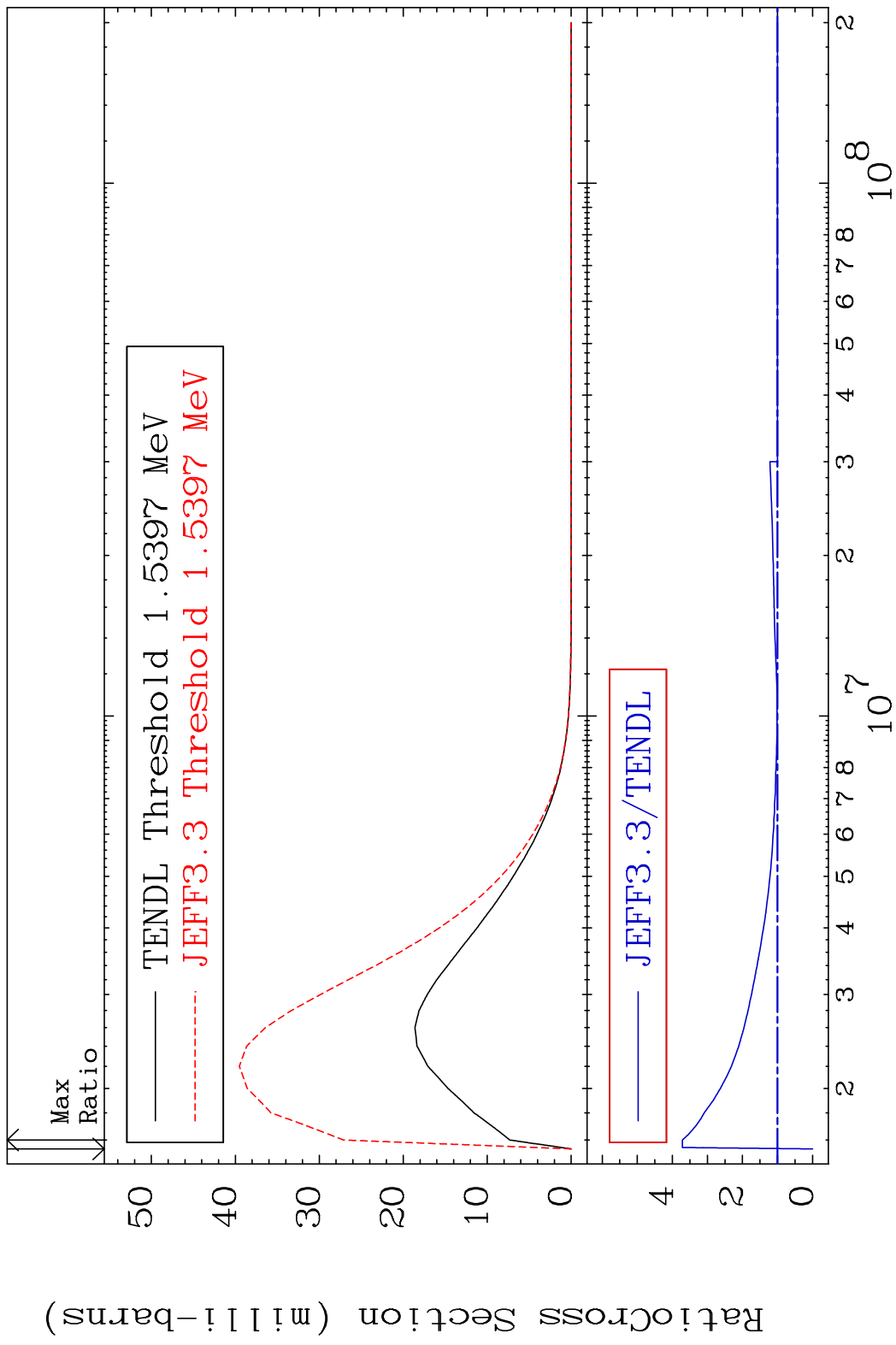
Cross Section -4.127 To 7.117 %



MAT 2722 MT= 72 (n, n') Level 27-Co-58
 Cross Section -0.226 To 61.56 %

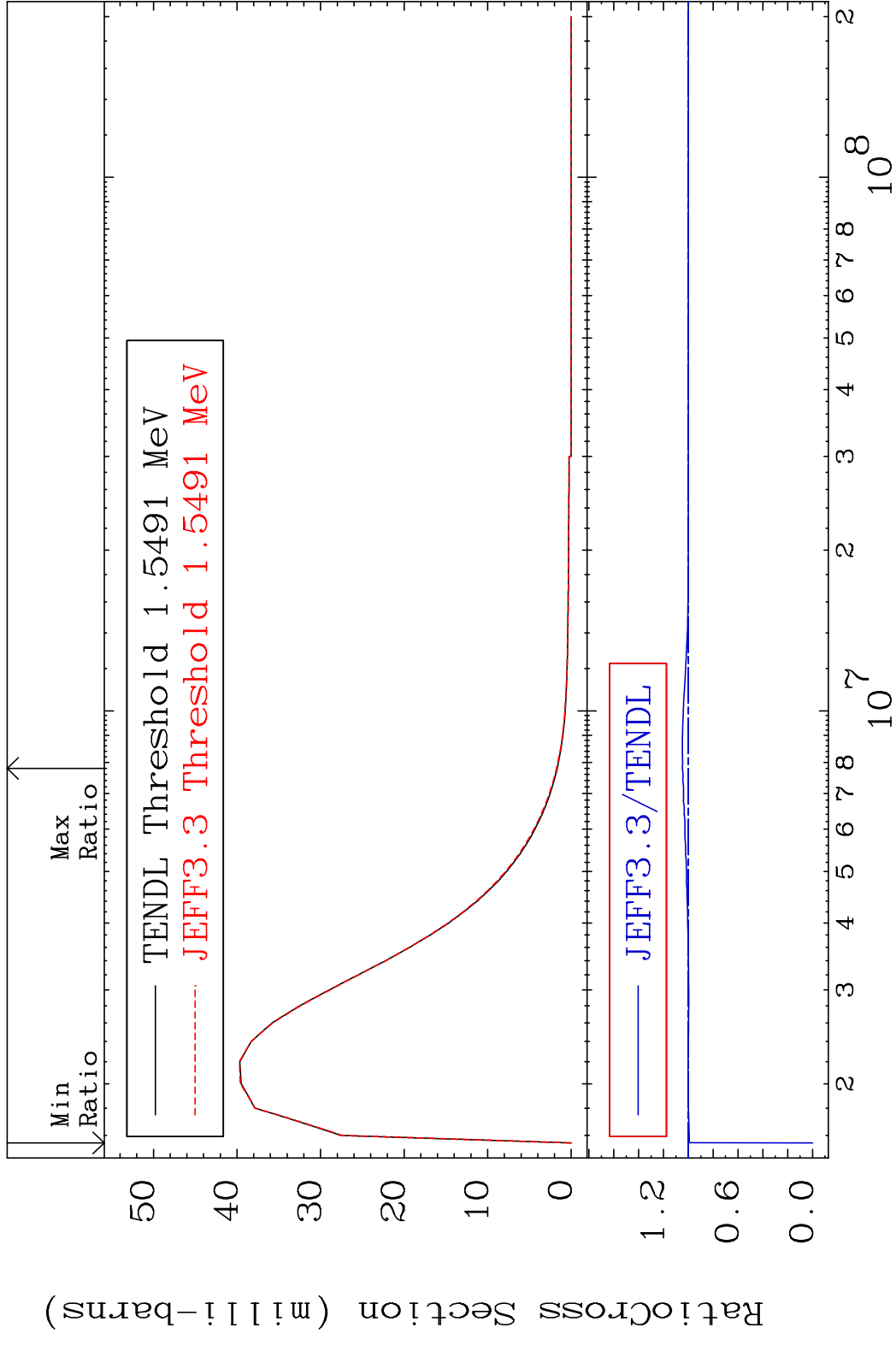


MAT 2722 MT= 73 (n, n') Level 27-Co-58
 Cross Section -100.0 To 271.4 %

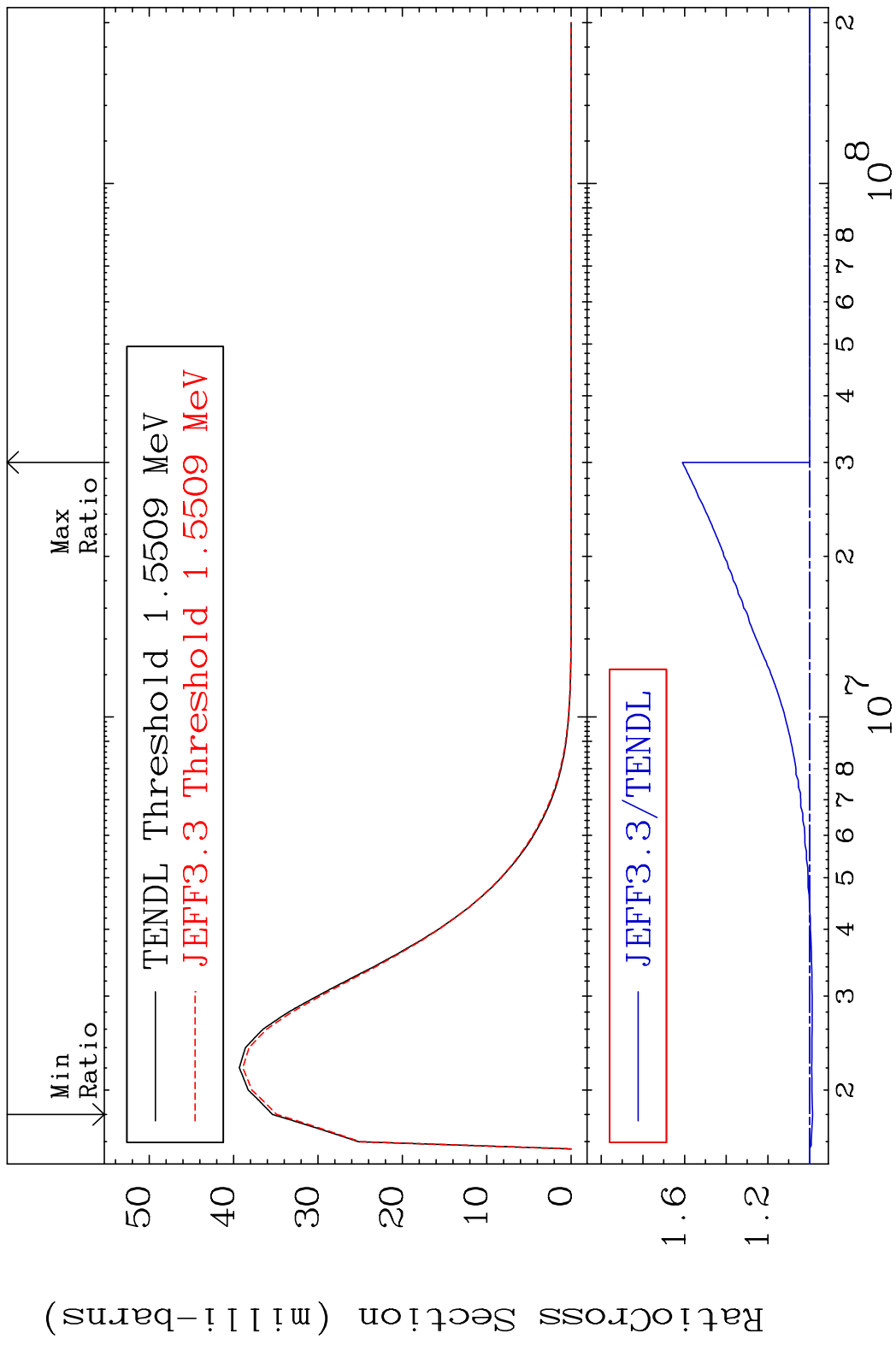


40 Incident Energy (eV) 27-Co-58

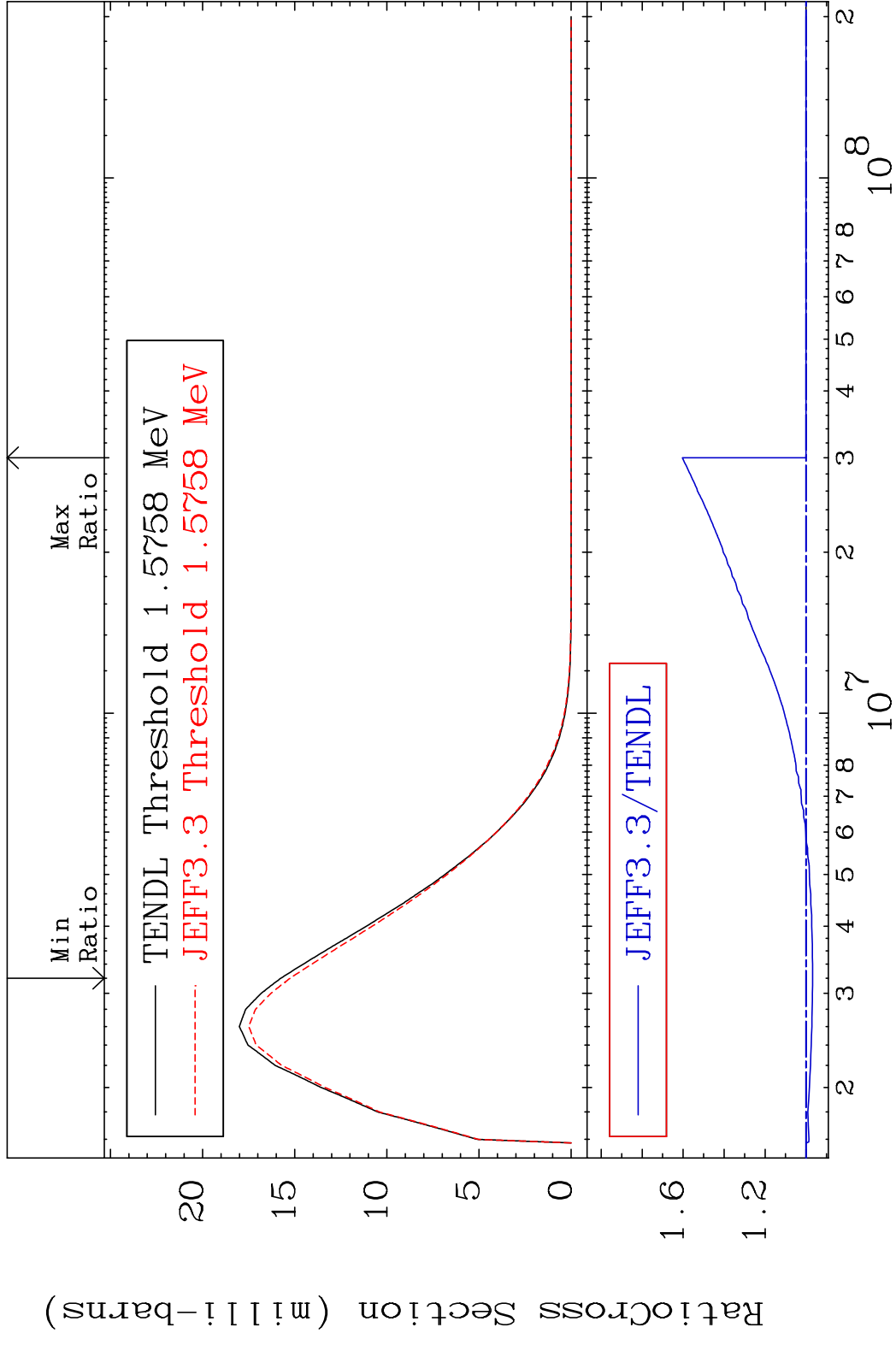
MAT 2722 MT= 74 (n, n') Level 27-Co-58
 Cross Section -100.0 To 4.818 %



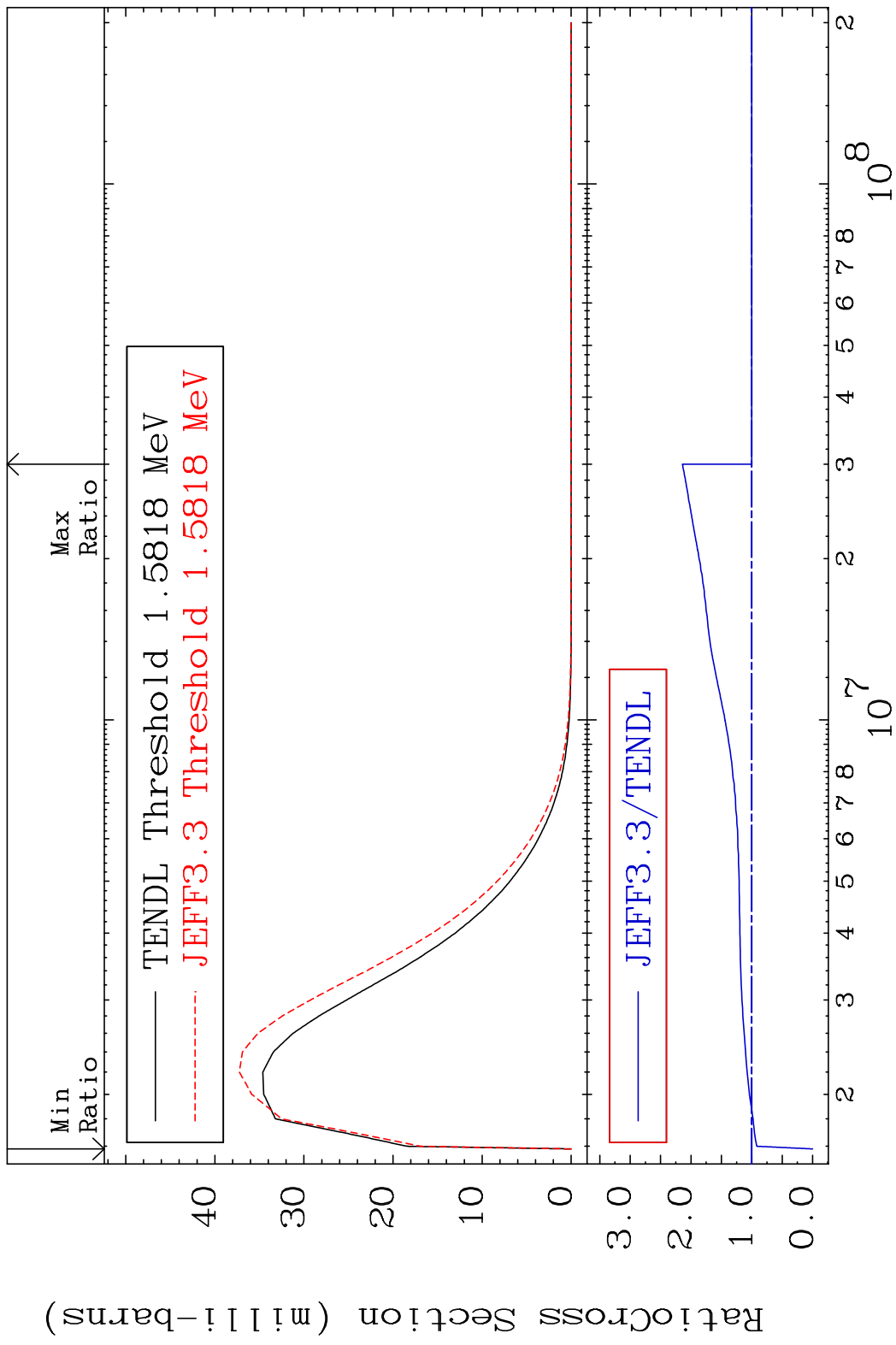
MAT 2722 MT= 75 (n, n') Level 27-Co-58
 Cross Section -1.438 To 61.08 %



MAT 2722 MT= 76 (n, n') Level 27-Co-58
 Cross Section -3.190 To 60.38 %



MAT 2722 MT= 77 (n, n') Level 27-Co-58
 Cross Section -100.0 To 114.2 %

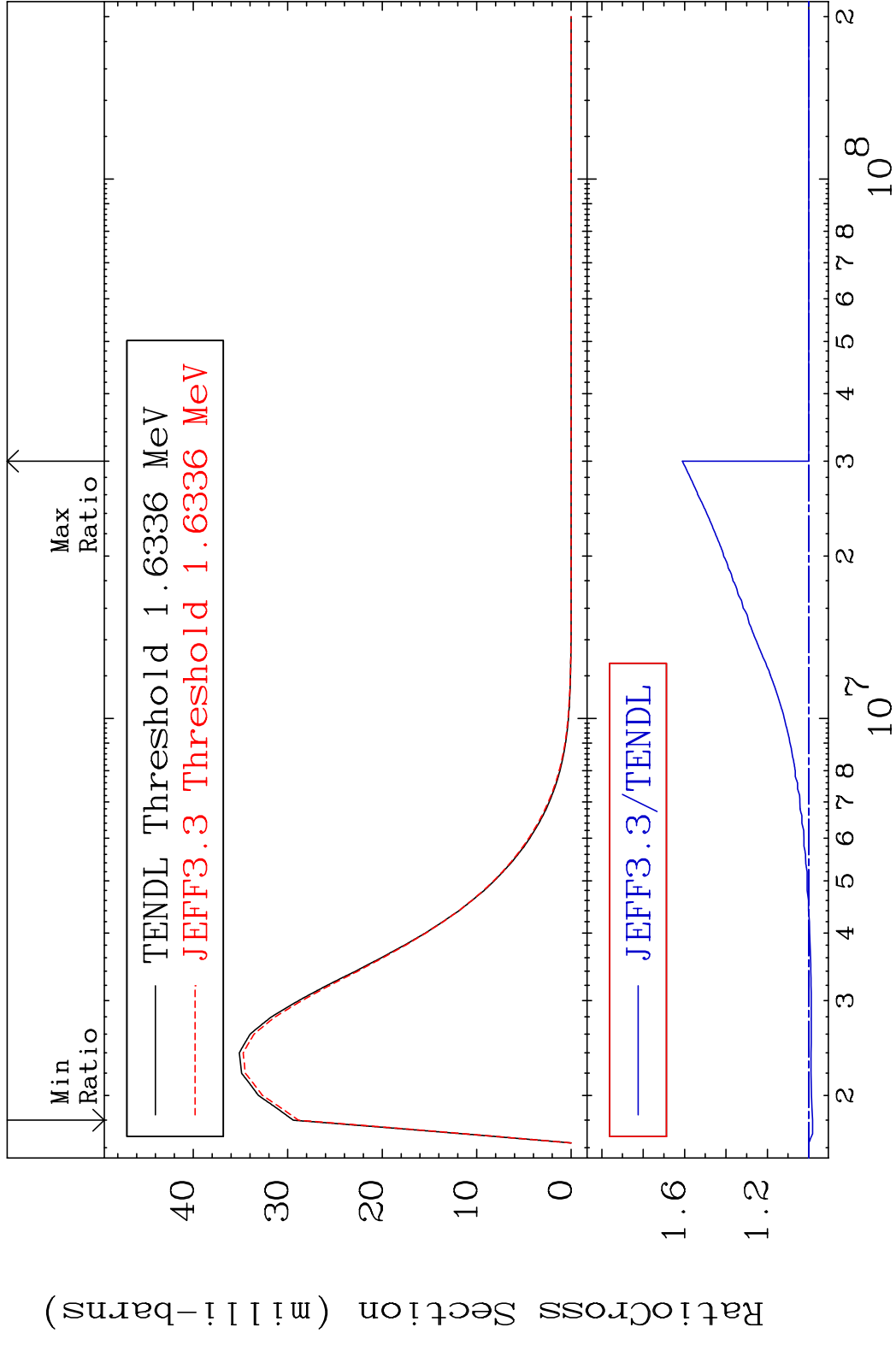


MAT 2722

MT= 78 (n, n') Level

27-Co-58

Cross Section -1.850 To 61.08 %

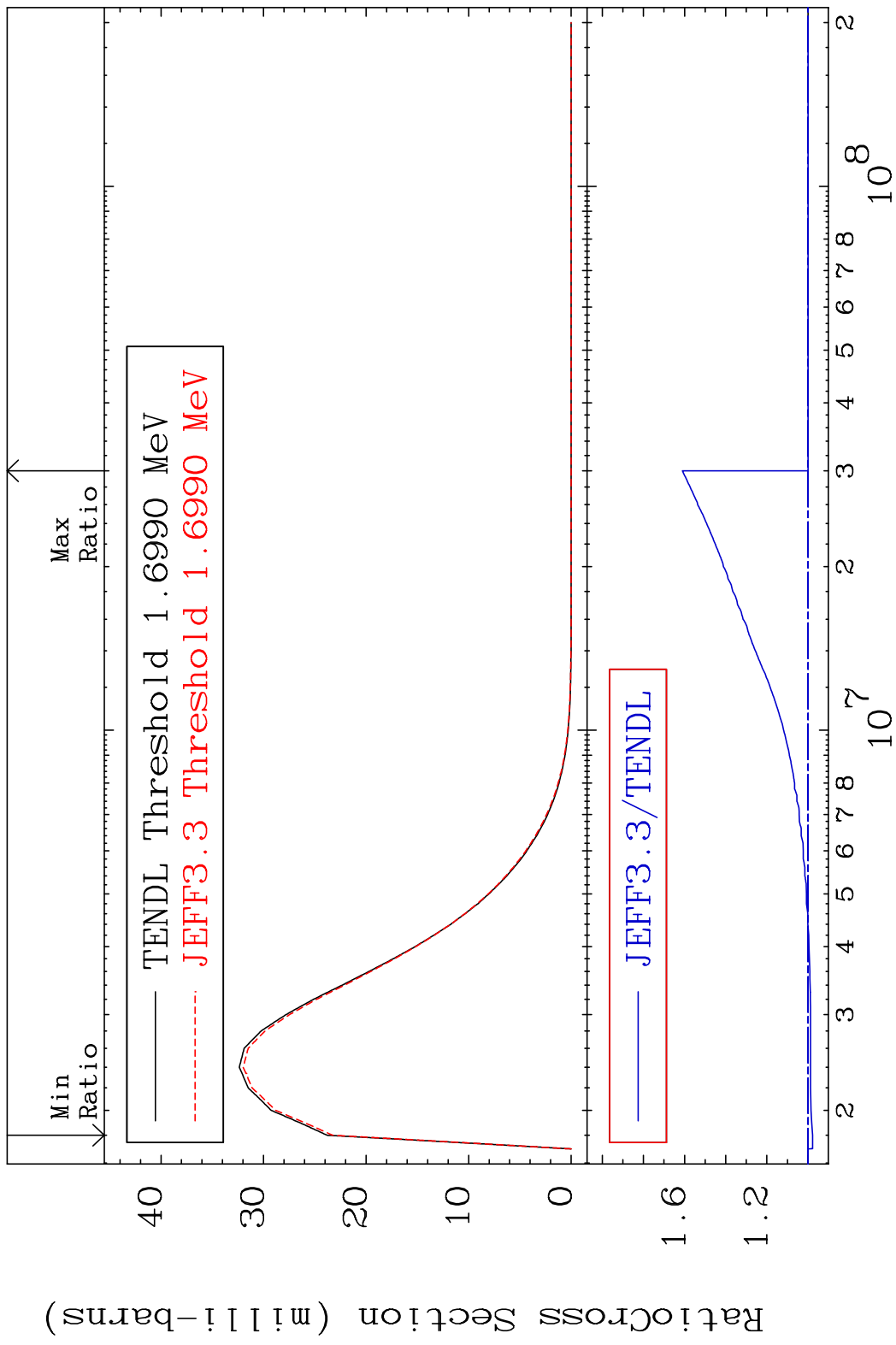


45

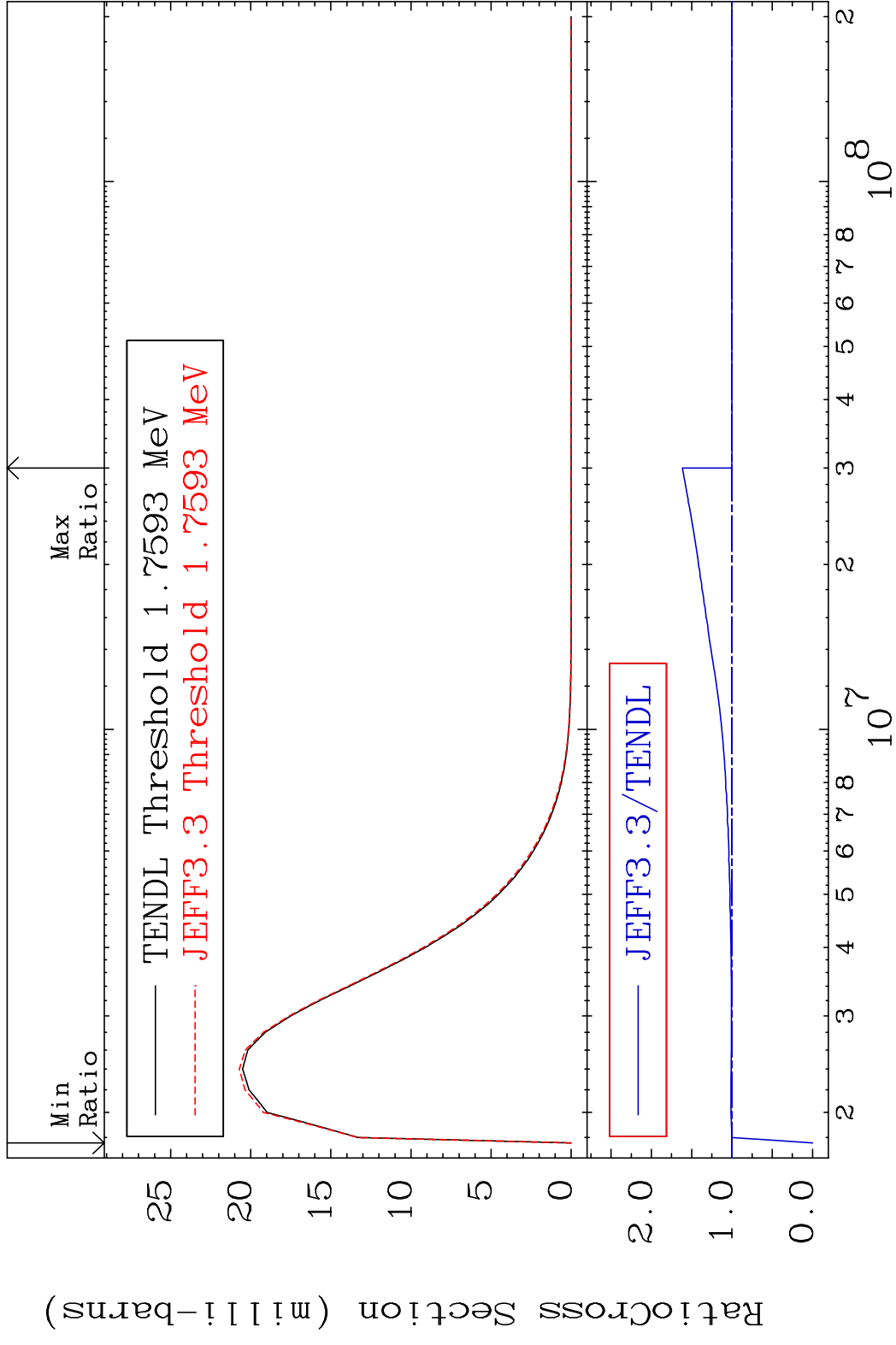
Incident Energy (eV)

27-Co-58

MAT 2722 MT= 79 (n, n') Level 27-Co-58
 Cross Section -2.211 To 61.08 %



MAT 2722 MT= 80 (n, n') Level 27-Co-58
 Cross Section -100.0 To 61.58 %

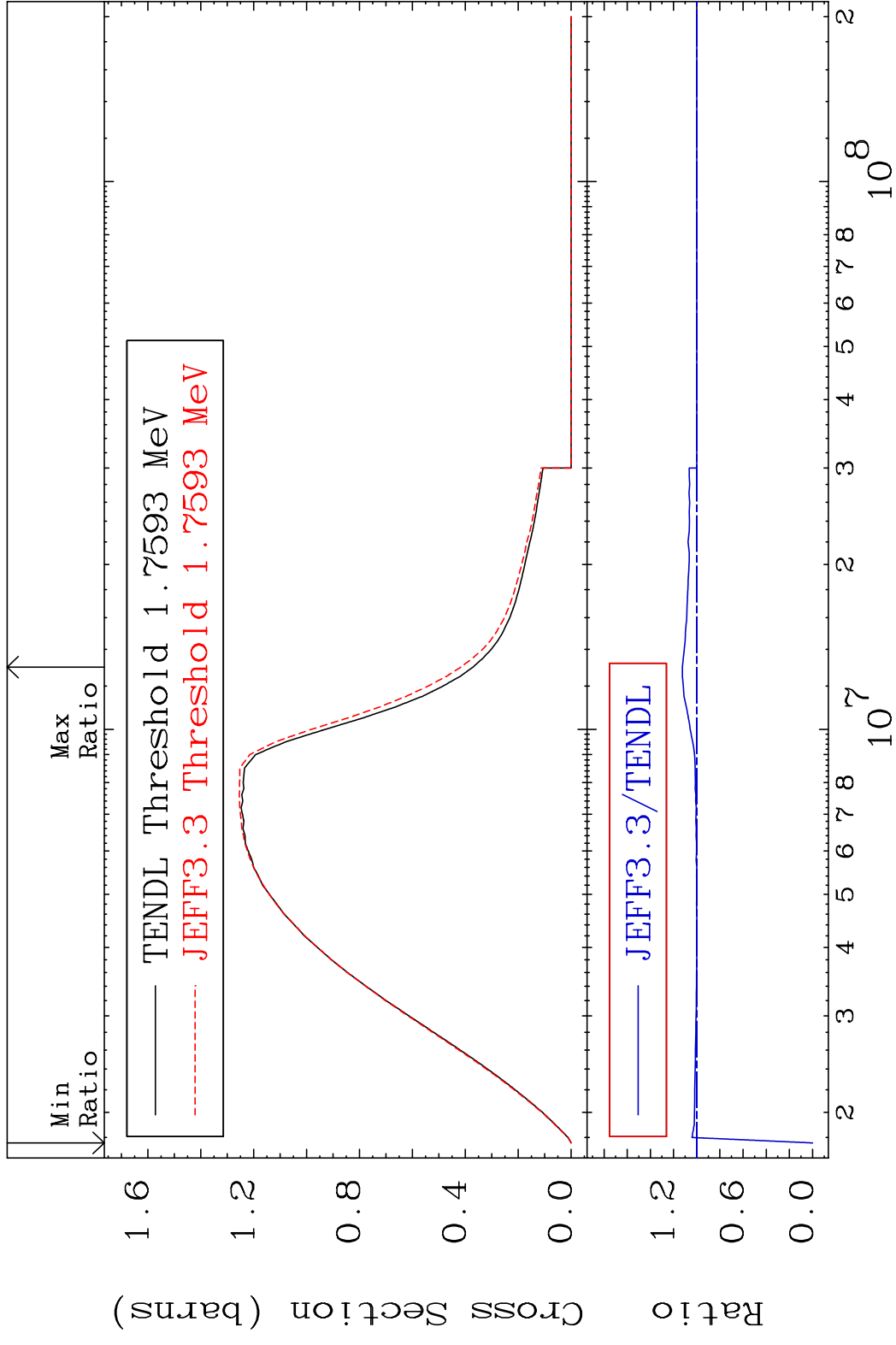


MAT 2722

(n,n') Continuum

27-Co-58

Cross Section -100.0 To 12.41 %

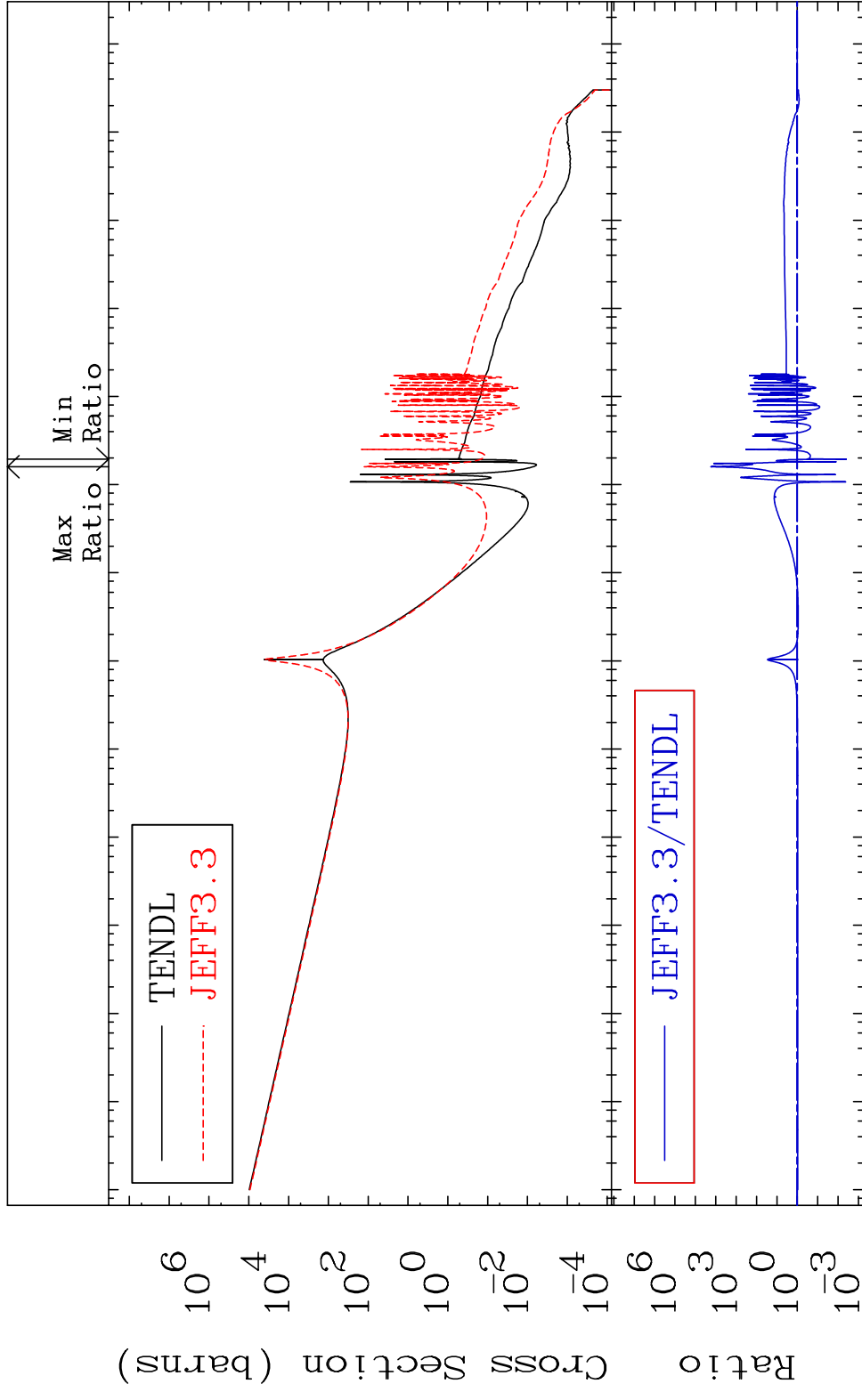


MAT 2722

27-Co-58

(n, γ)

Cross Section -99.61 To 9999. %

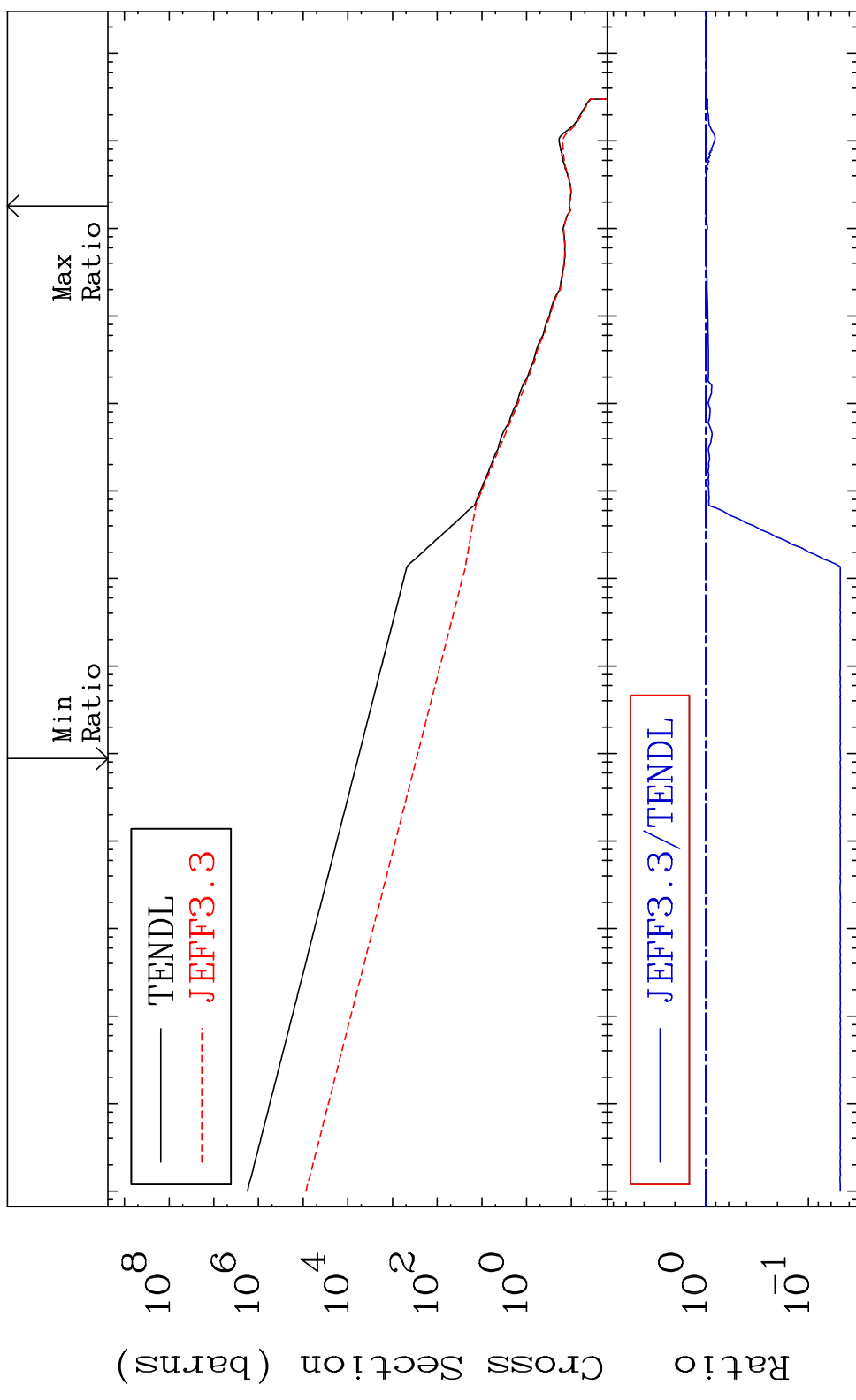


MAT 2722

(n, p)

27-Co-58

Cross Section -95.14 To 0.138 %

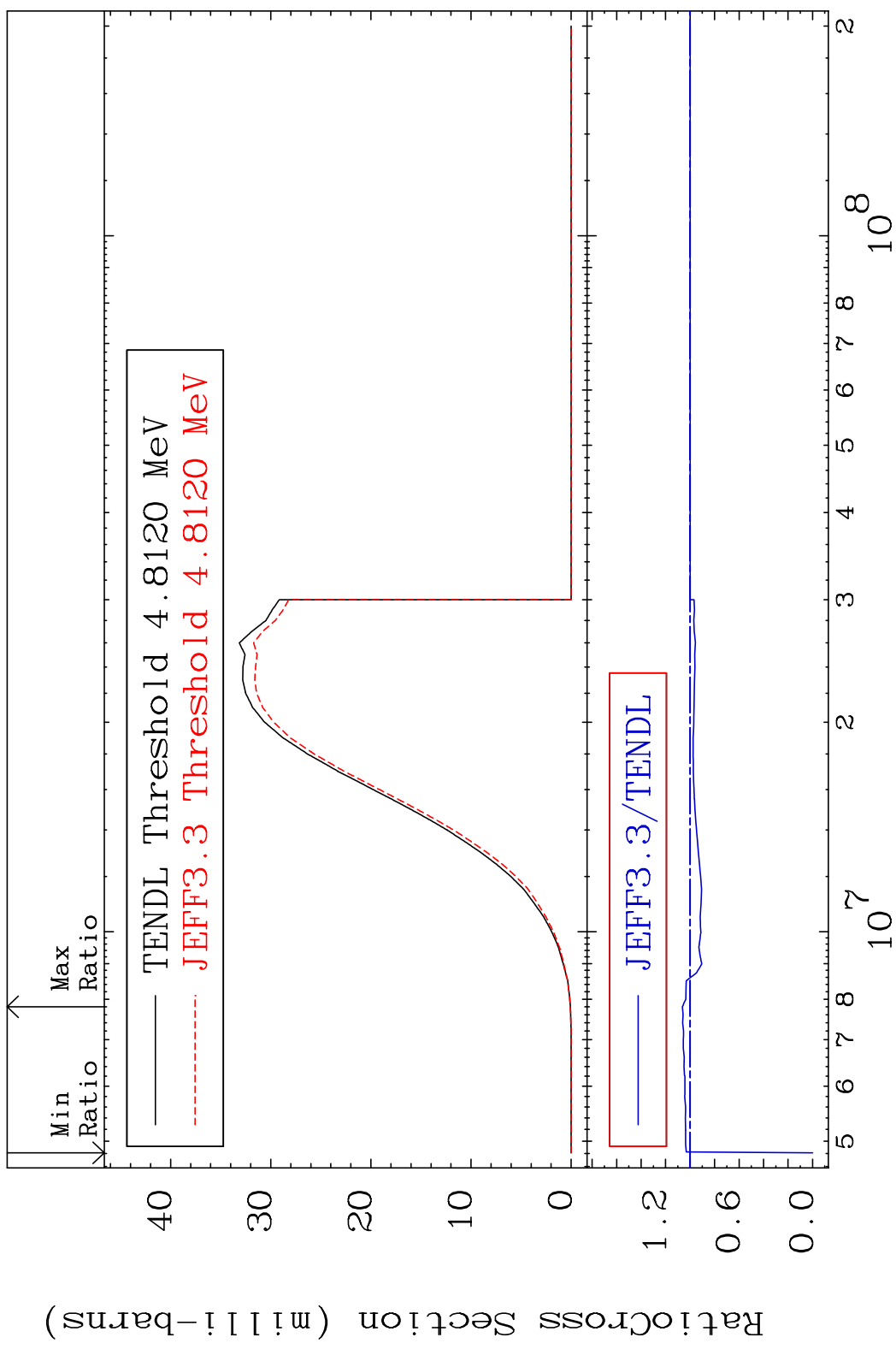


50

Incident Energy (eV)

27-Co-58

Cross Section -100.0 To 6.316 %

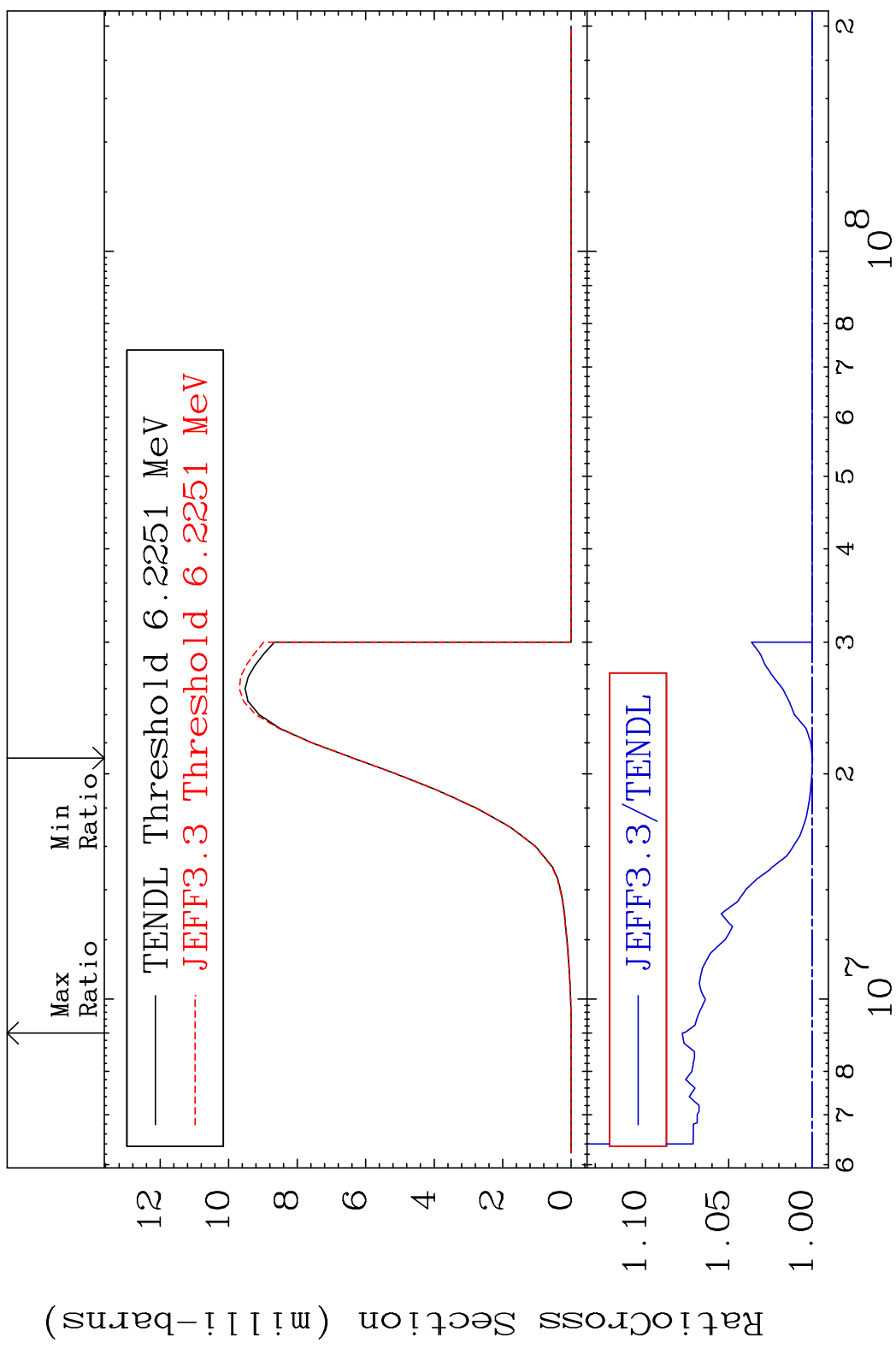


MAT 2722

(n, t)

27-Co-58

Cross Section -0.025 To 7.784 %

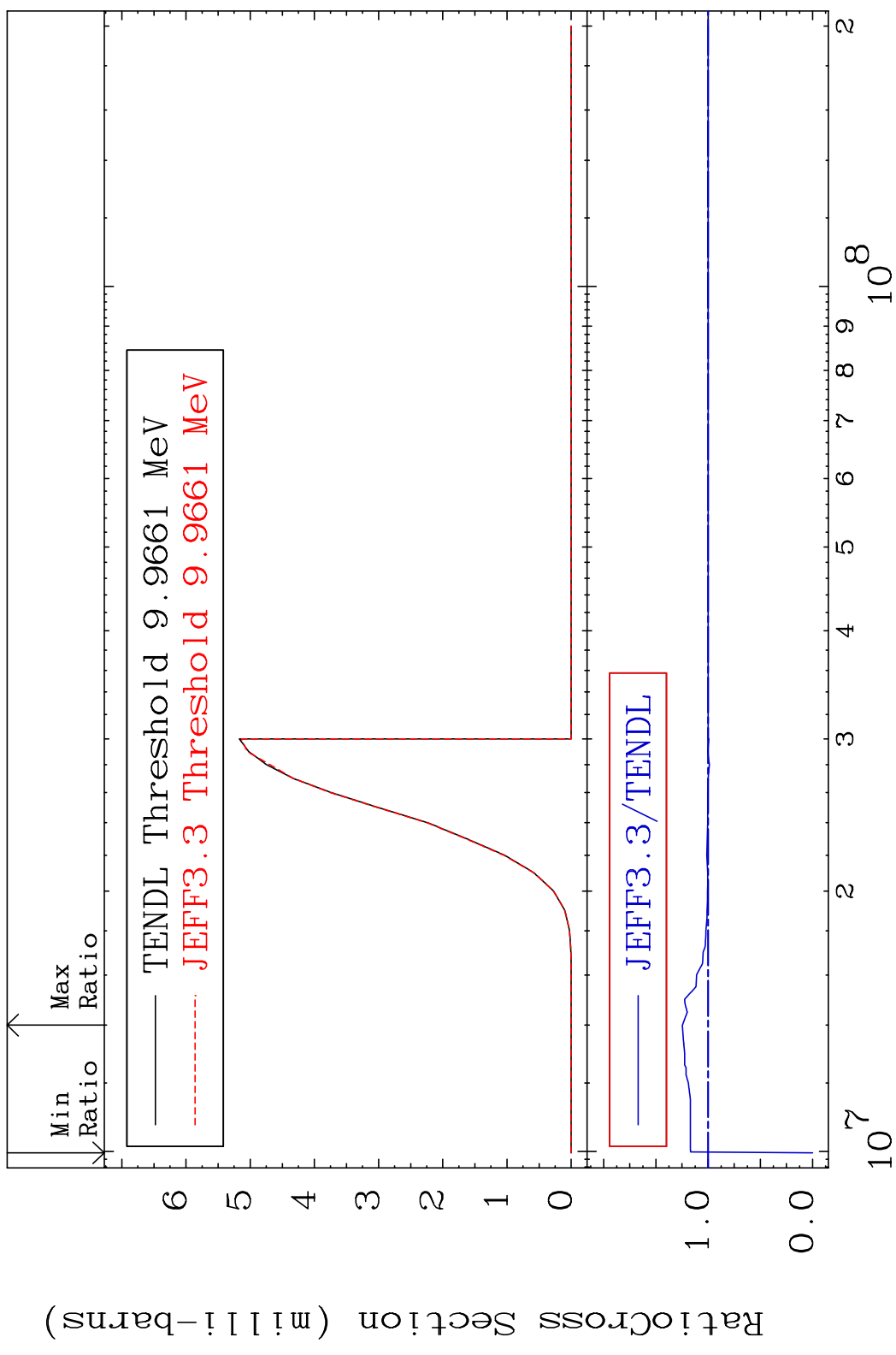


MAT 2722

(n, He-3)

27-Co-58

Cross Section -100.0 To 24.68 %



53

Incident Energy (eV)

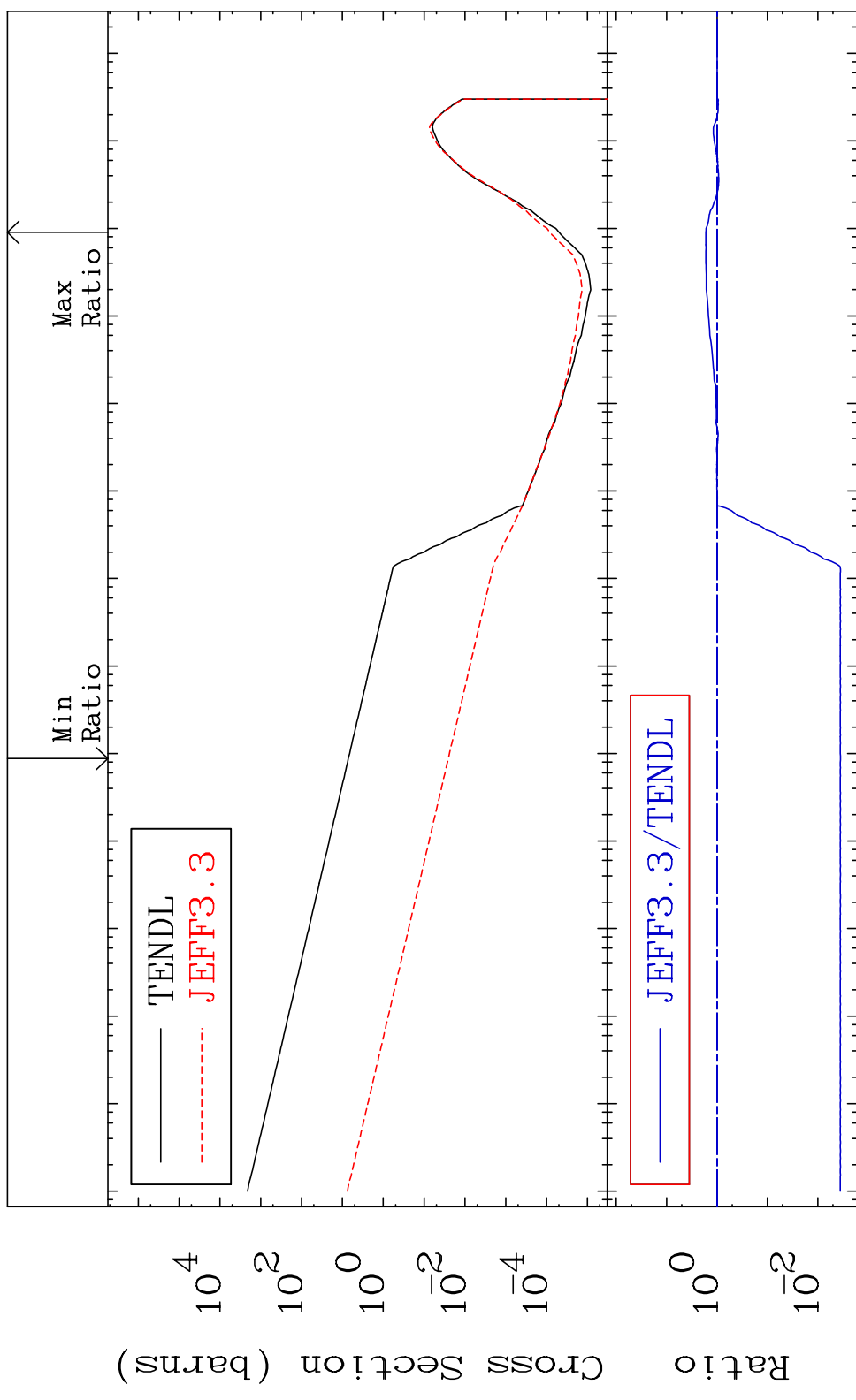
27-Co-58

MAT 2722

(n, α)

27-Co-58

Cross Section -99.64 To 67.29 %

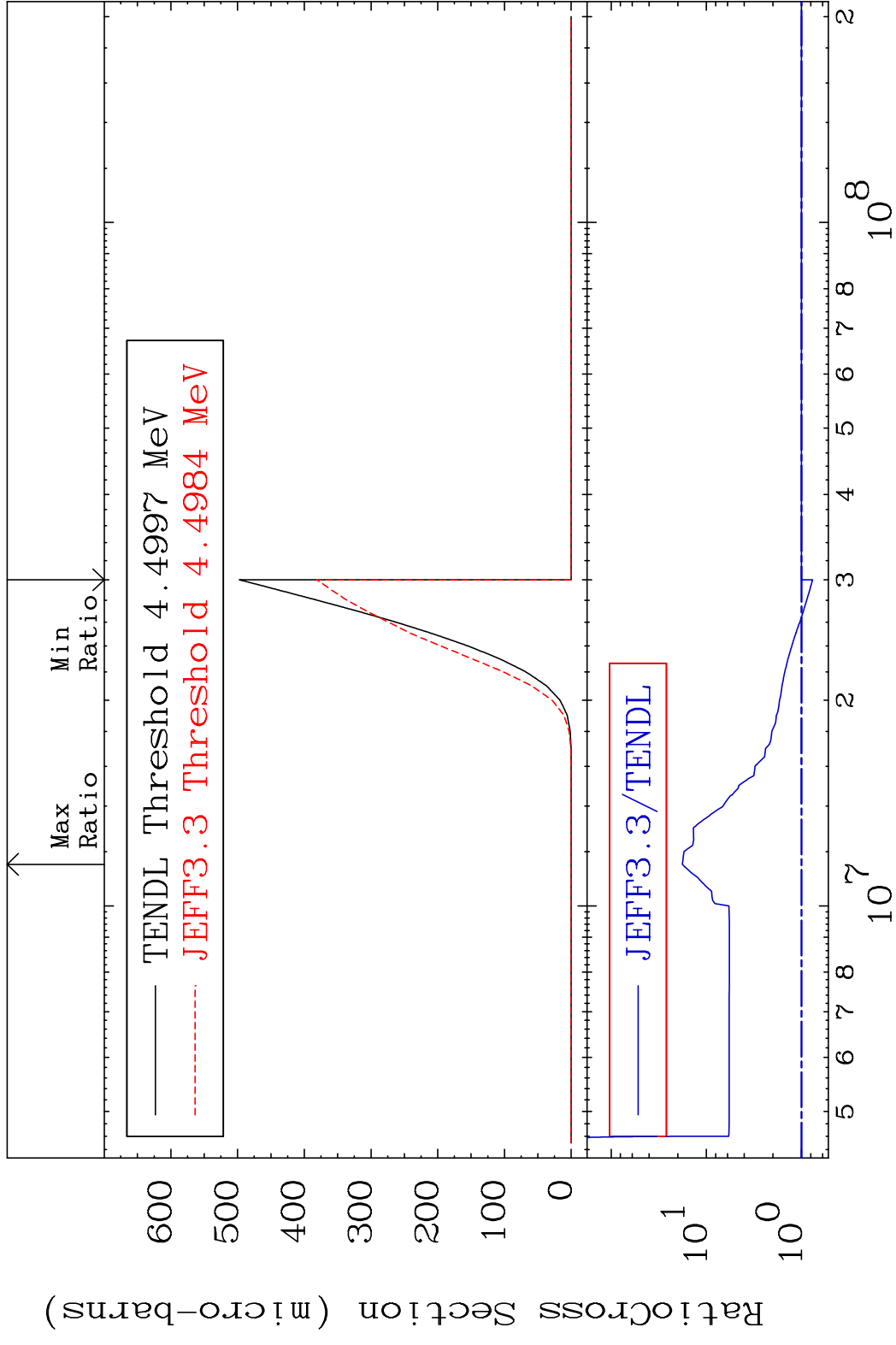


MAT 2722

(n,2α)

27-Co-58

Cross Section -23.39 To 1688. %

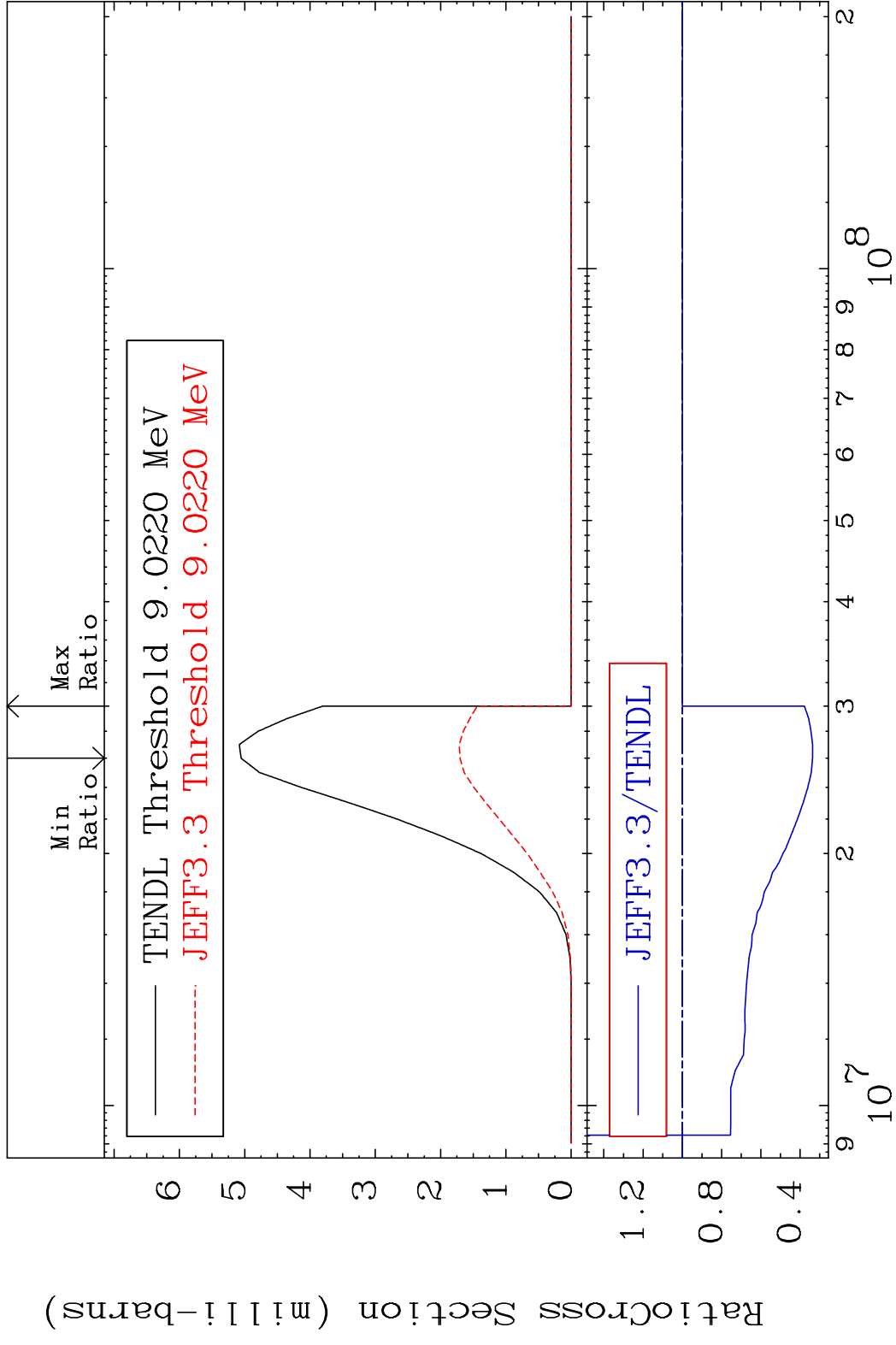


MAT 2722

(n,2p)

27-Co-58

Cross Section -66.32 To 0.000 %

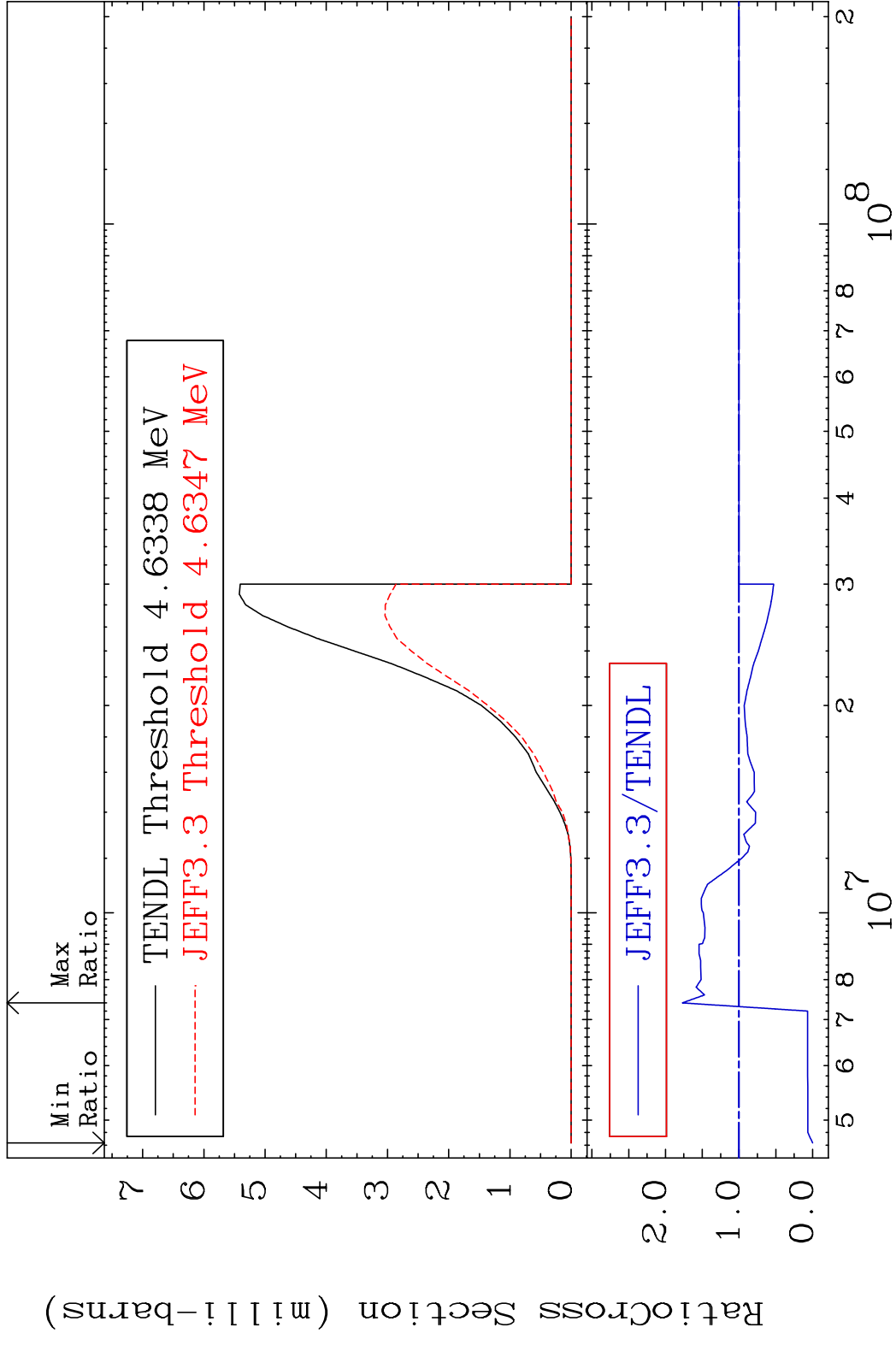


56

Incident Energy (eV)

27-Co-58

MAT 2722 (n,p) α 27-Co-58
 Cross Section -100.0 To 77.05 %

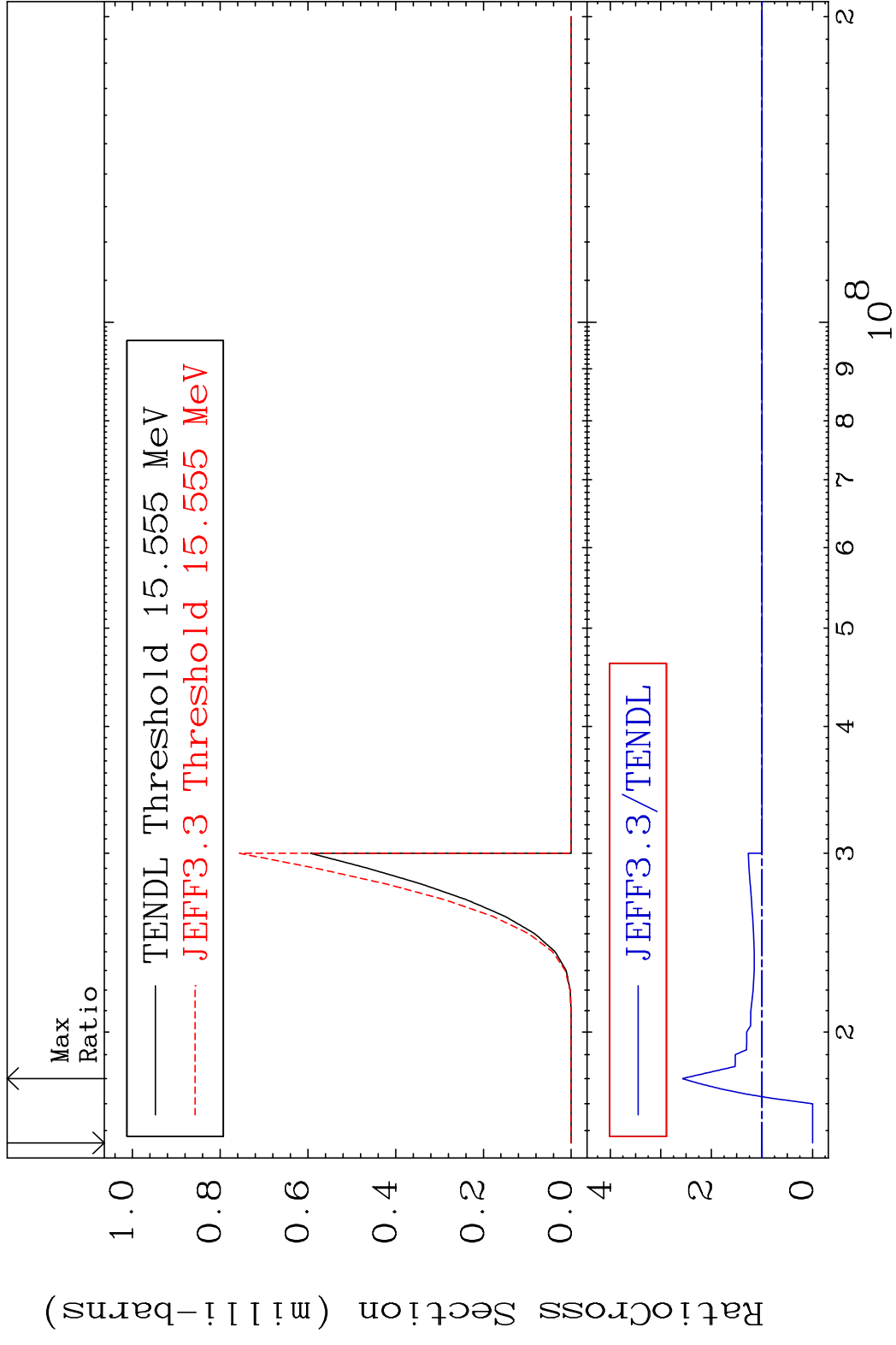


MAT 2722

(n,p) d

²⁷Co-58

Cross Section -100.0 To 157.4 %

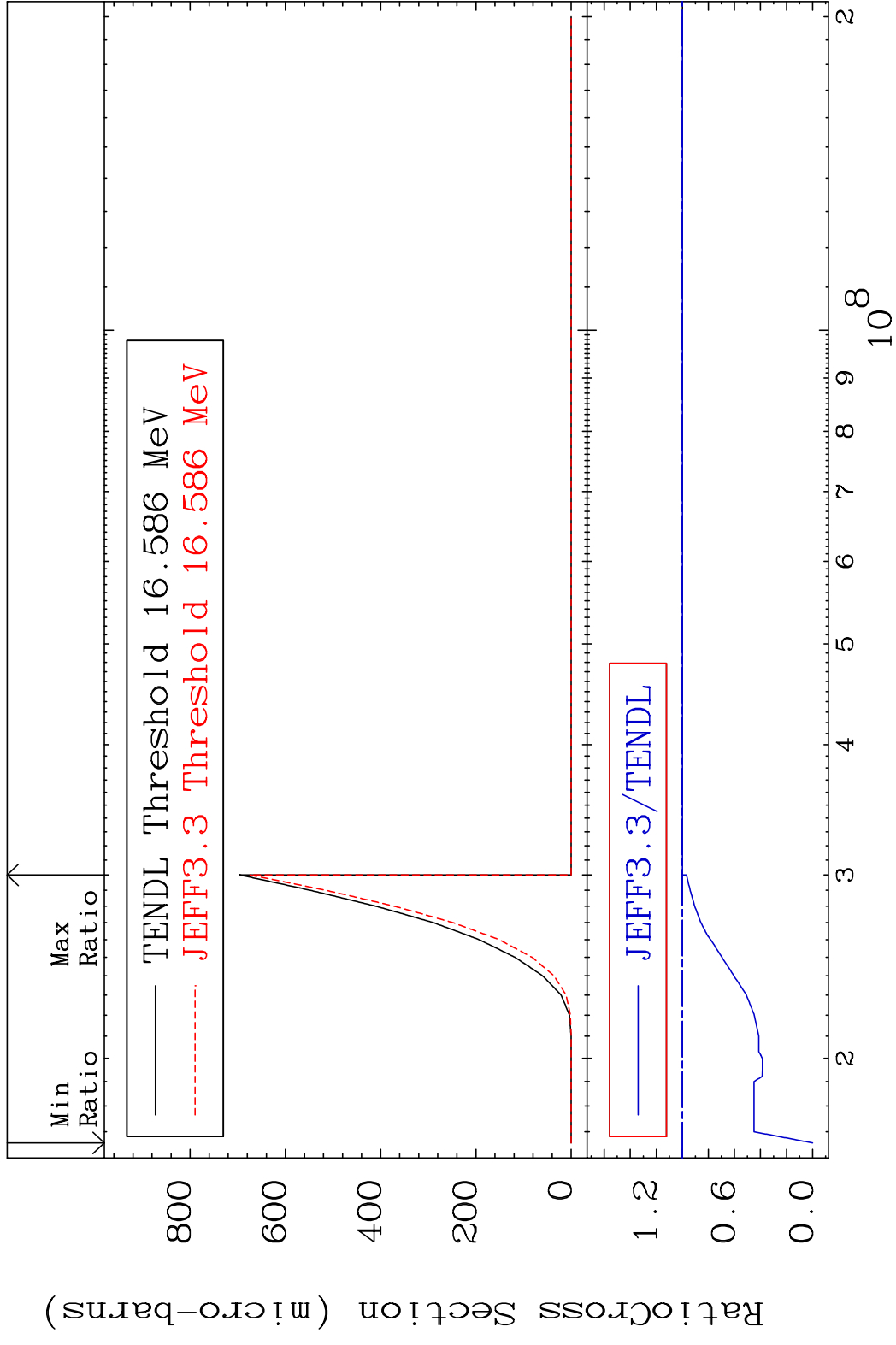


MAT 2722

(n,p) t

27-Co-58

Cross Section -100.0 To 0.000 %

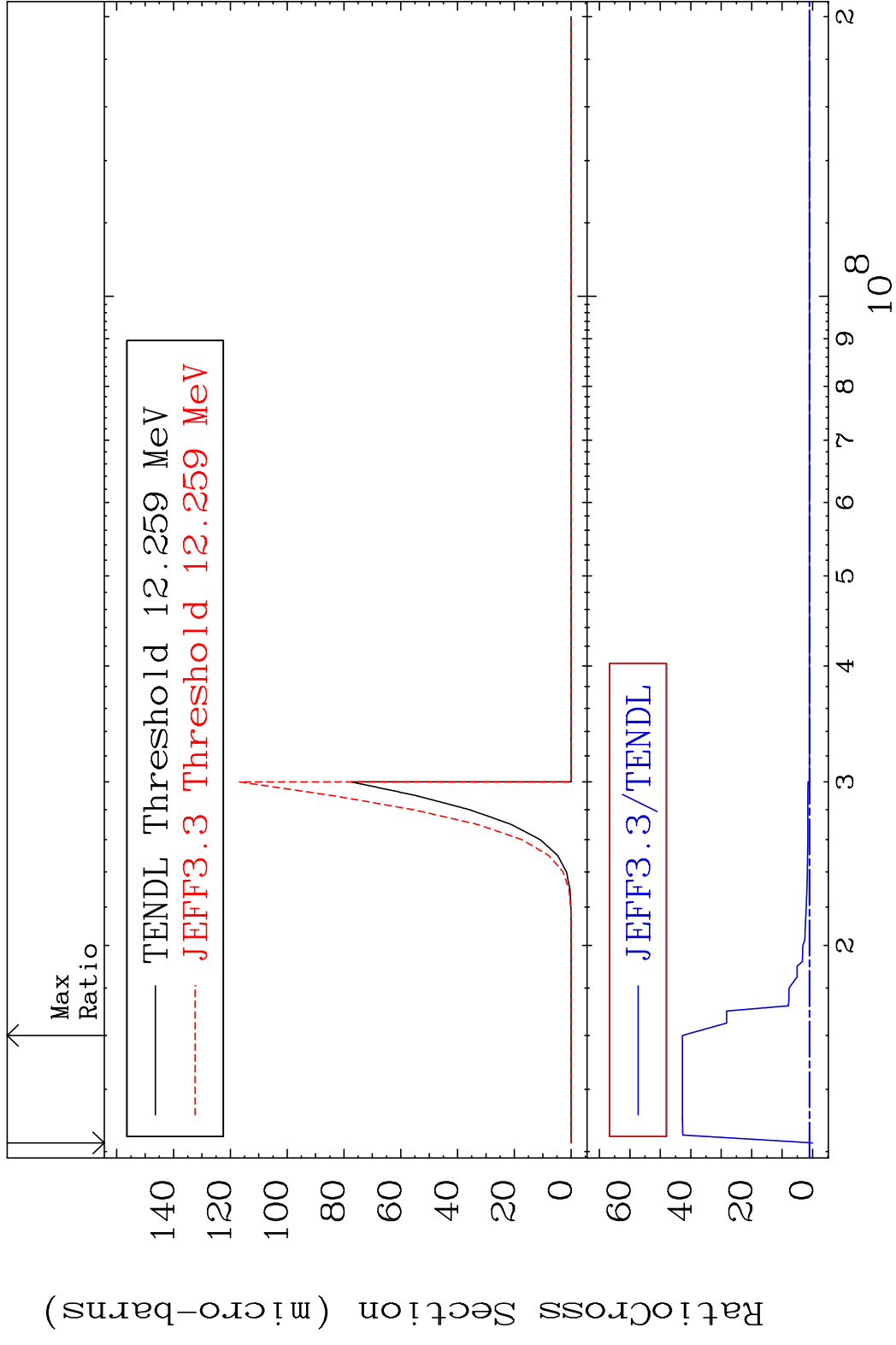


MAT 2722

(n,d) α

27-Co-58

Cross Section -100.0 To 4176. %



60

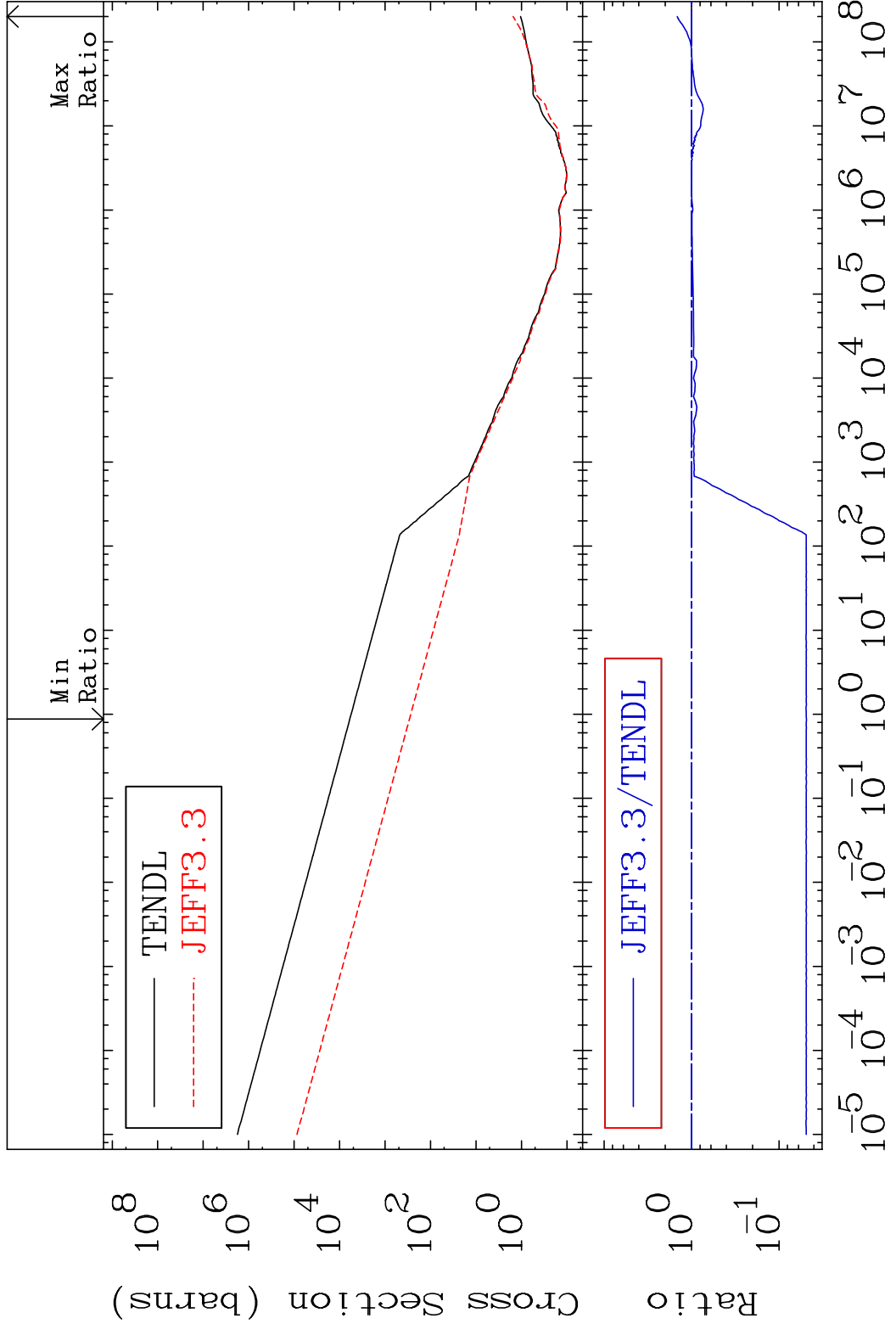
Incident Energy (eV)

27-Co-58

MAT 2722

Hydrogen Production
Cross Section -95.14 To 45.79 %

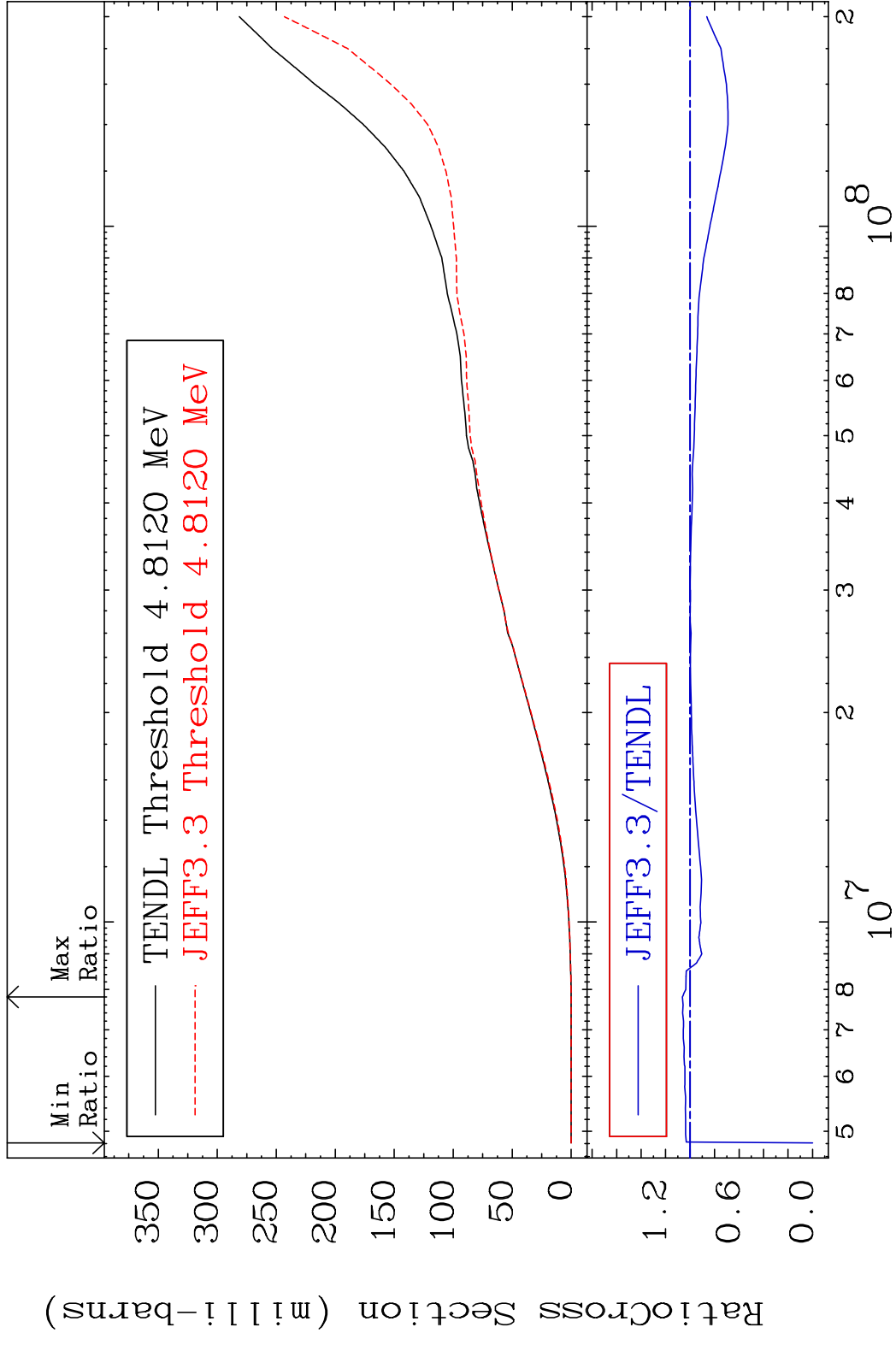
27-Co-58



61

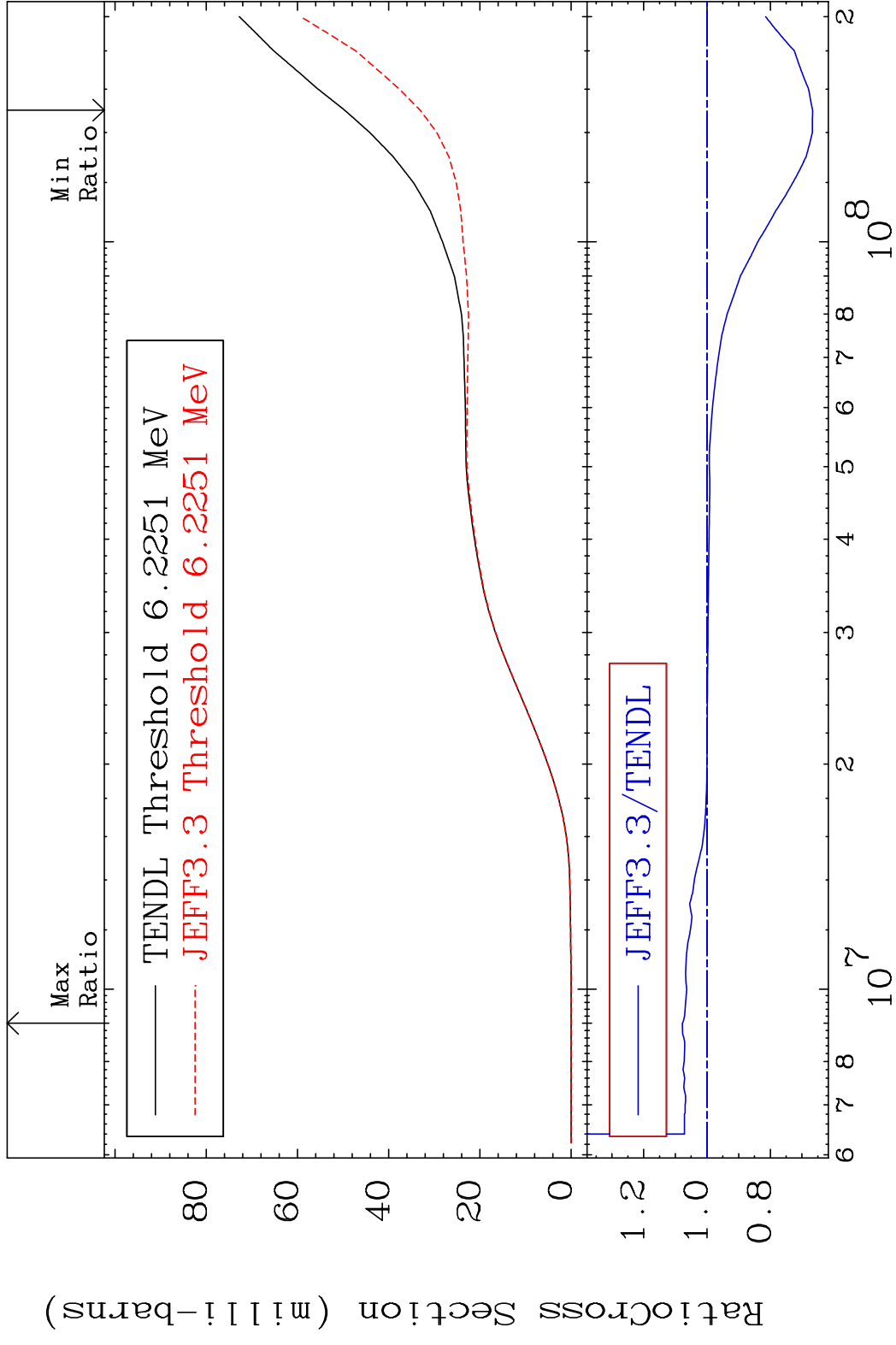
Incident Energy (eV)

27-Co-58



MAT 2722

Tritium Production 27-Co-58
Cross Section -33.34 To 7.784 %



63

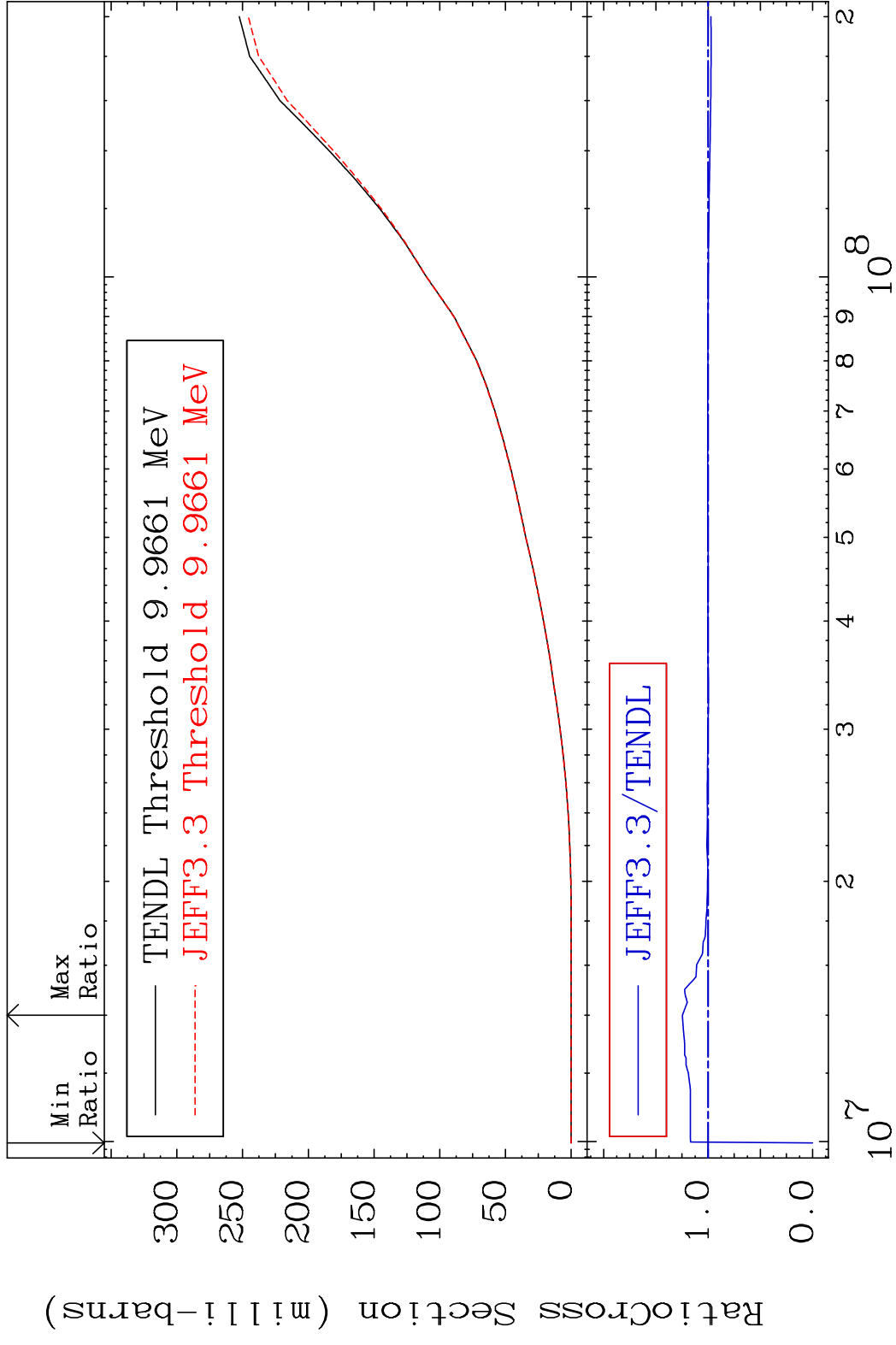
Incident Energy (eV) 27-Co-58

MAT 2722

He-3 Production

27-Co-58

Cross Section -100.0 To 24.68 %



64

Incident Energy (eV)

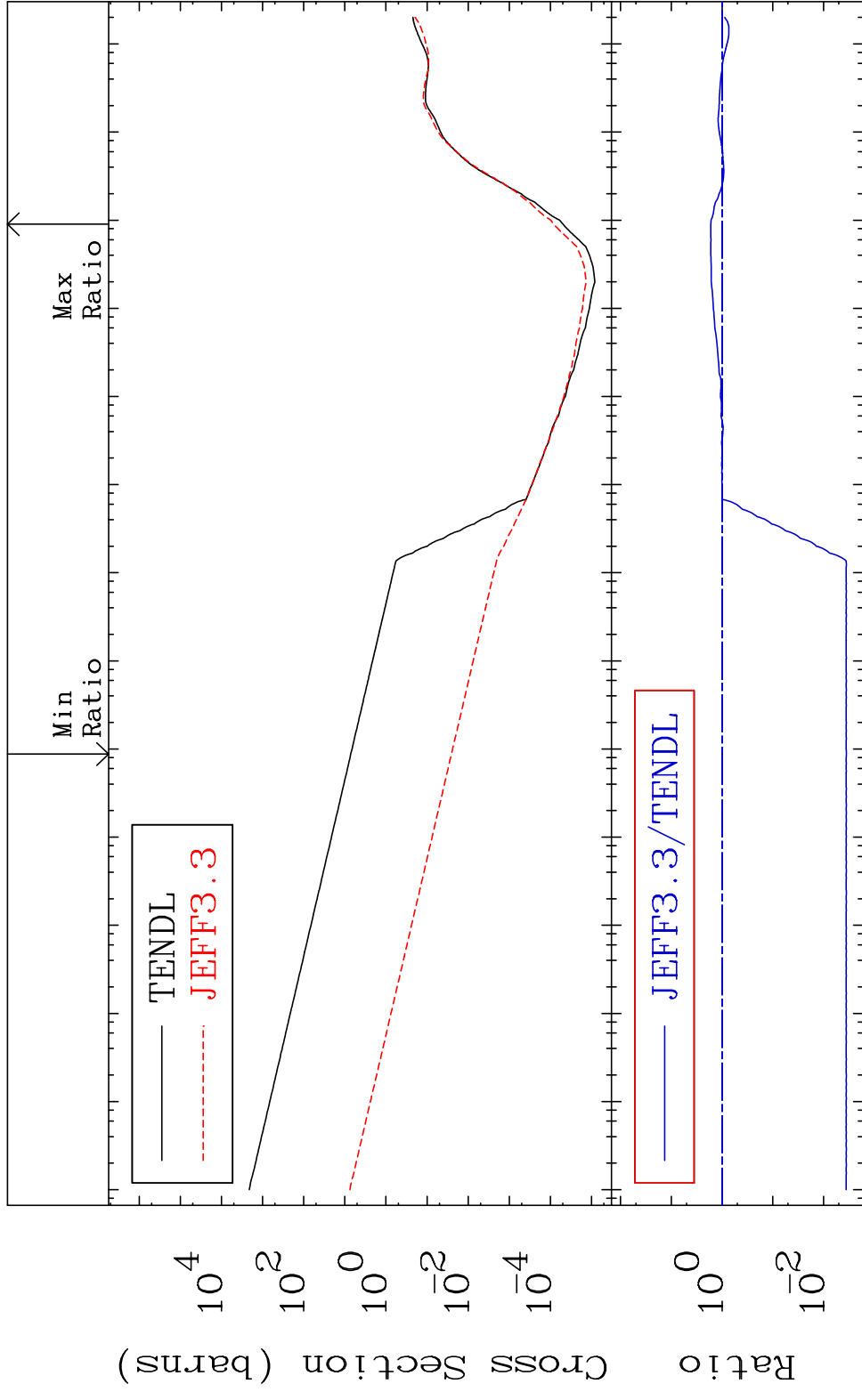
27-Co-58

MAT 2722

He-4 Production

27-Co-58

Cross Section -99.64 To 67.29 %



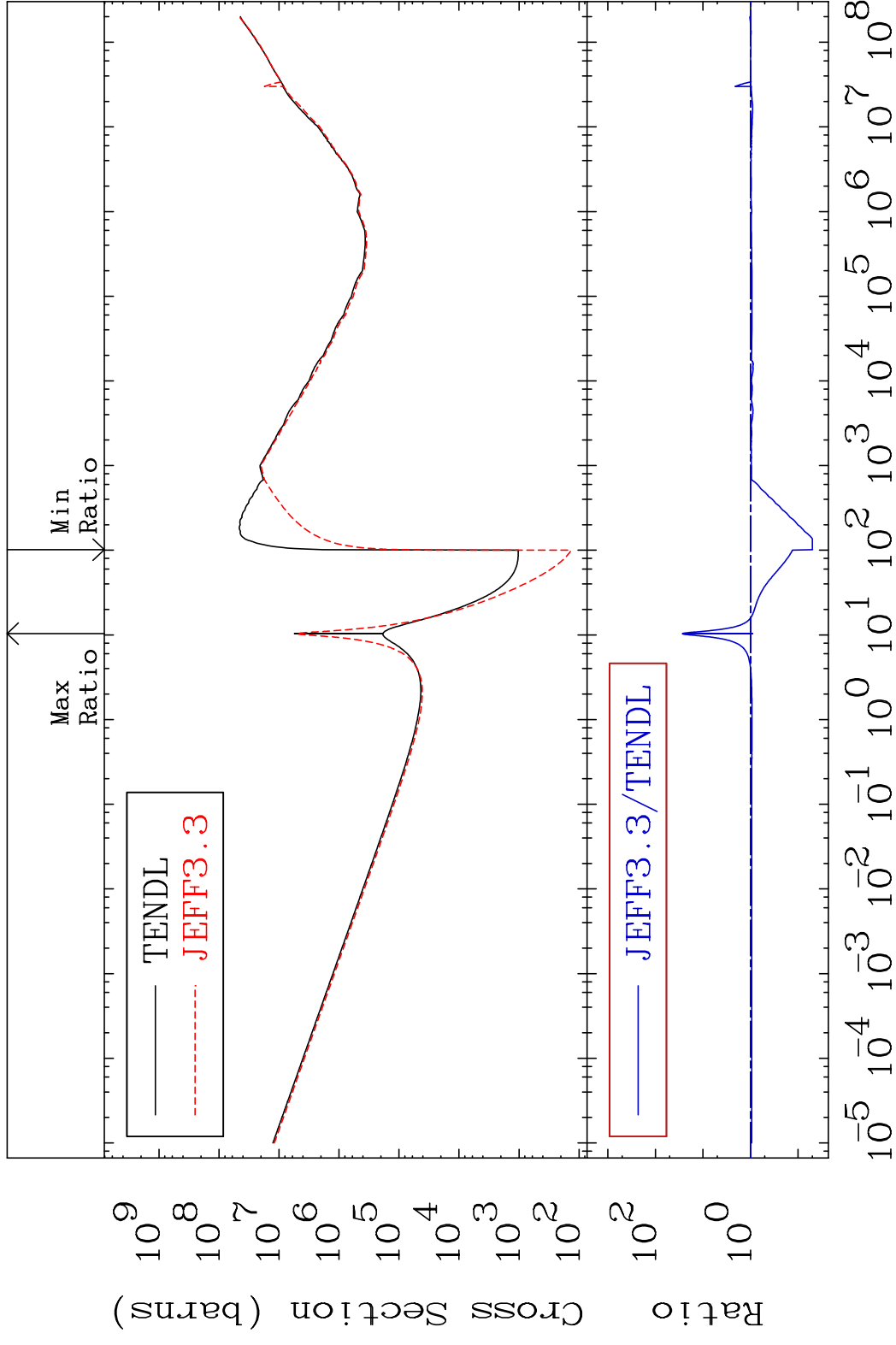
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

65

Incident Energy (eV)

27-Co-58

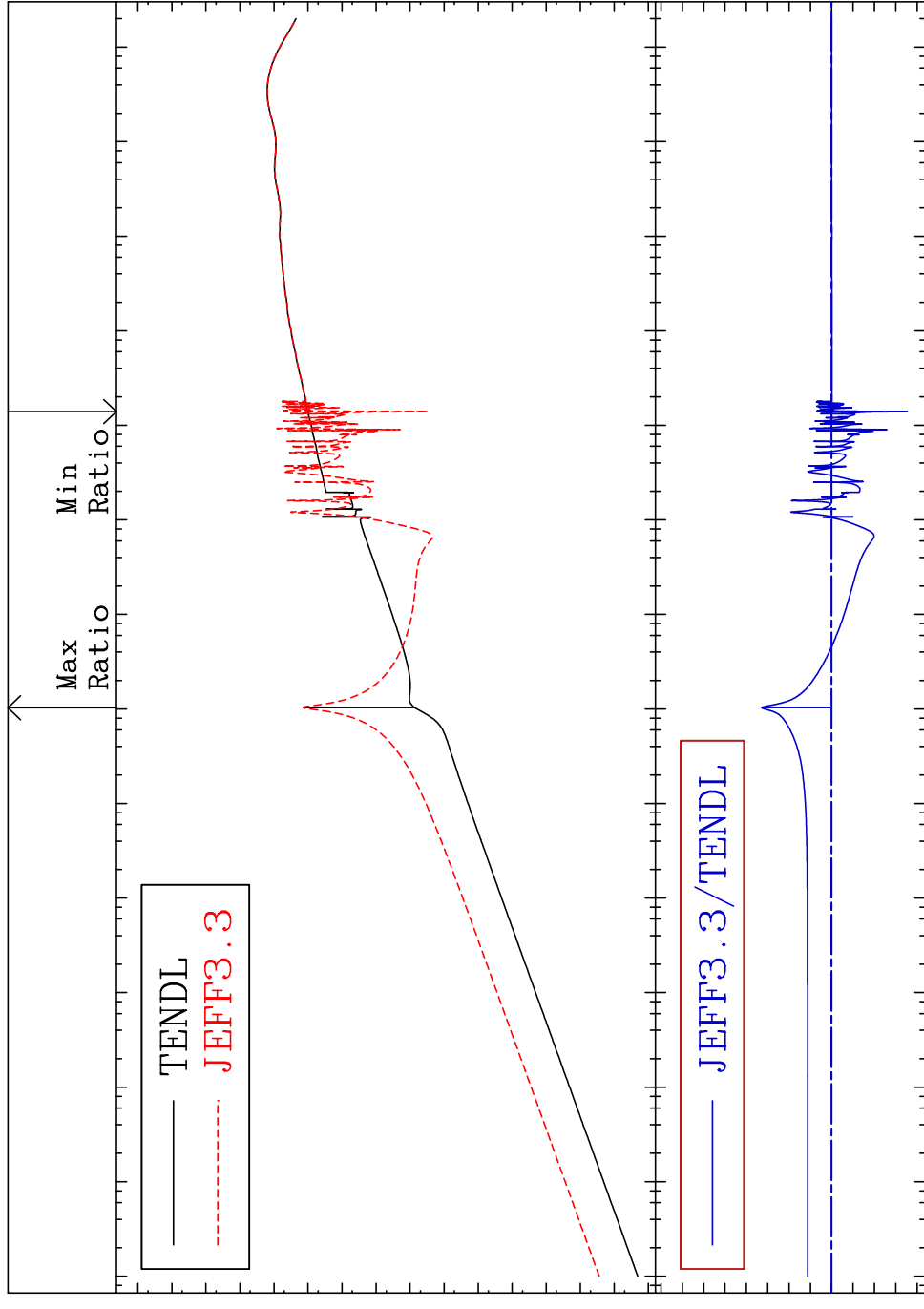
MAT 2722 Kerma total (eV-barns) 27-Co-58
 Cross Section -95.04 To 2611. %



66 Incident Energy (eV) 27-Co-58

MAT 2722

Kerma elastic Cross Section -99.97 To 9999. %

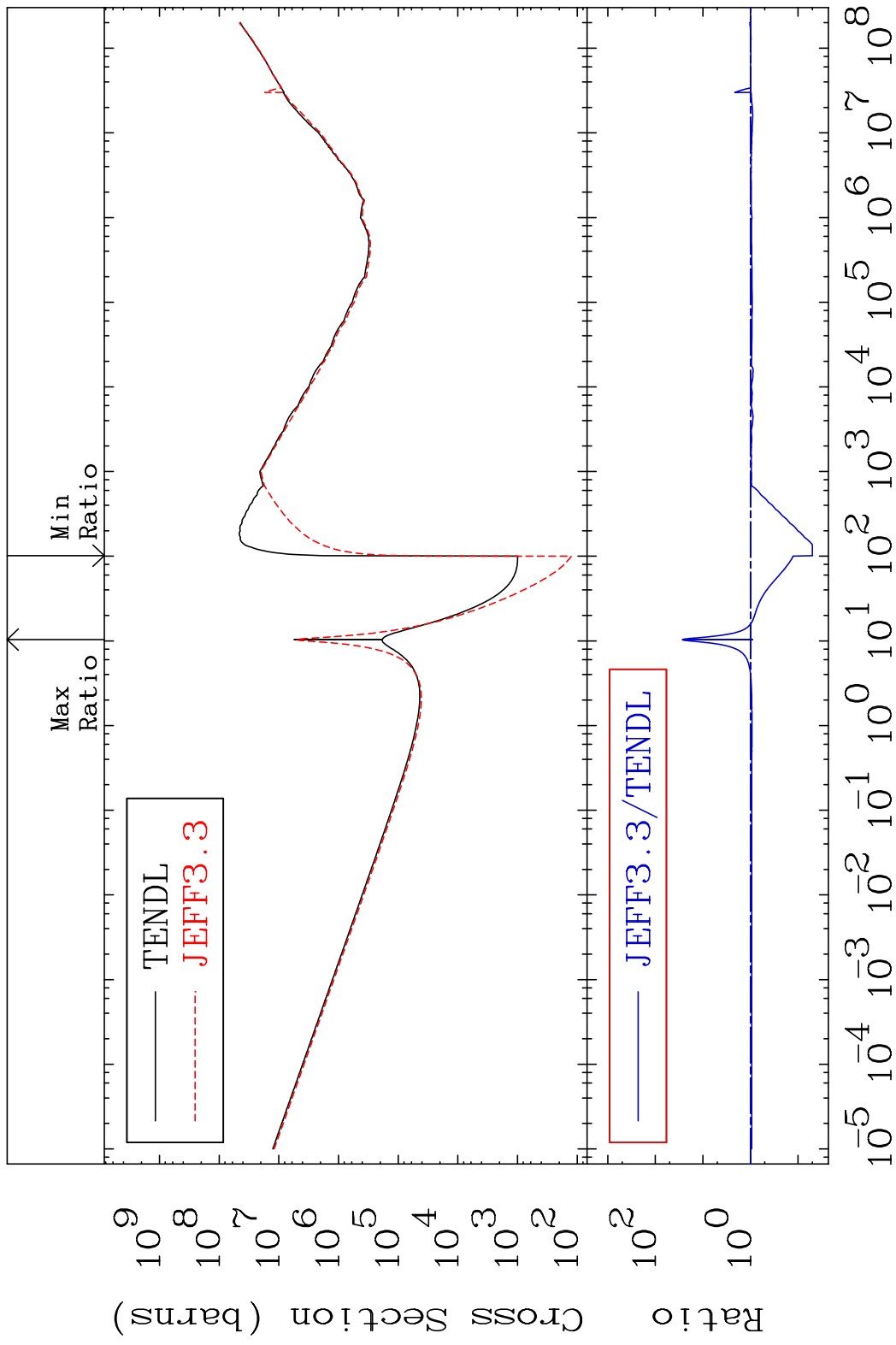


67

Incident Energy (eV)

27-Co-58

MAT 2722 Kerma non-elastic (all but mt2) 27-Co-58
 Cross Section -95.04 To 2604. %

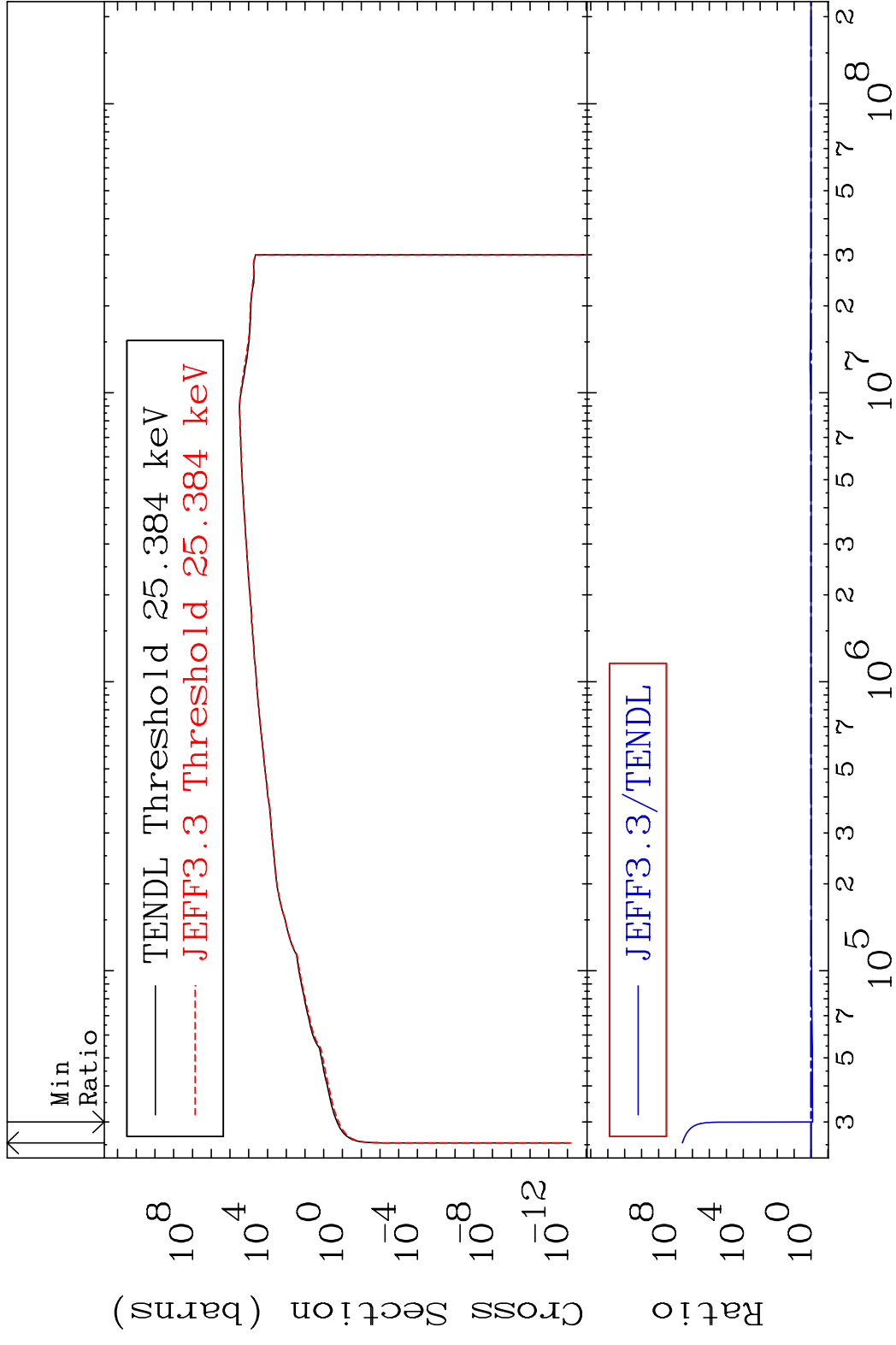


MAT 2722

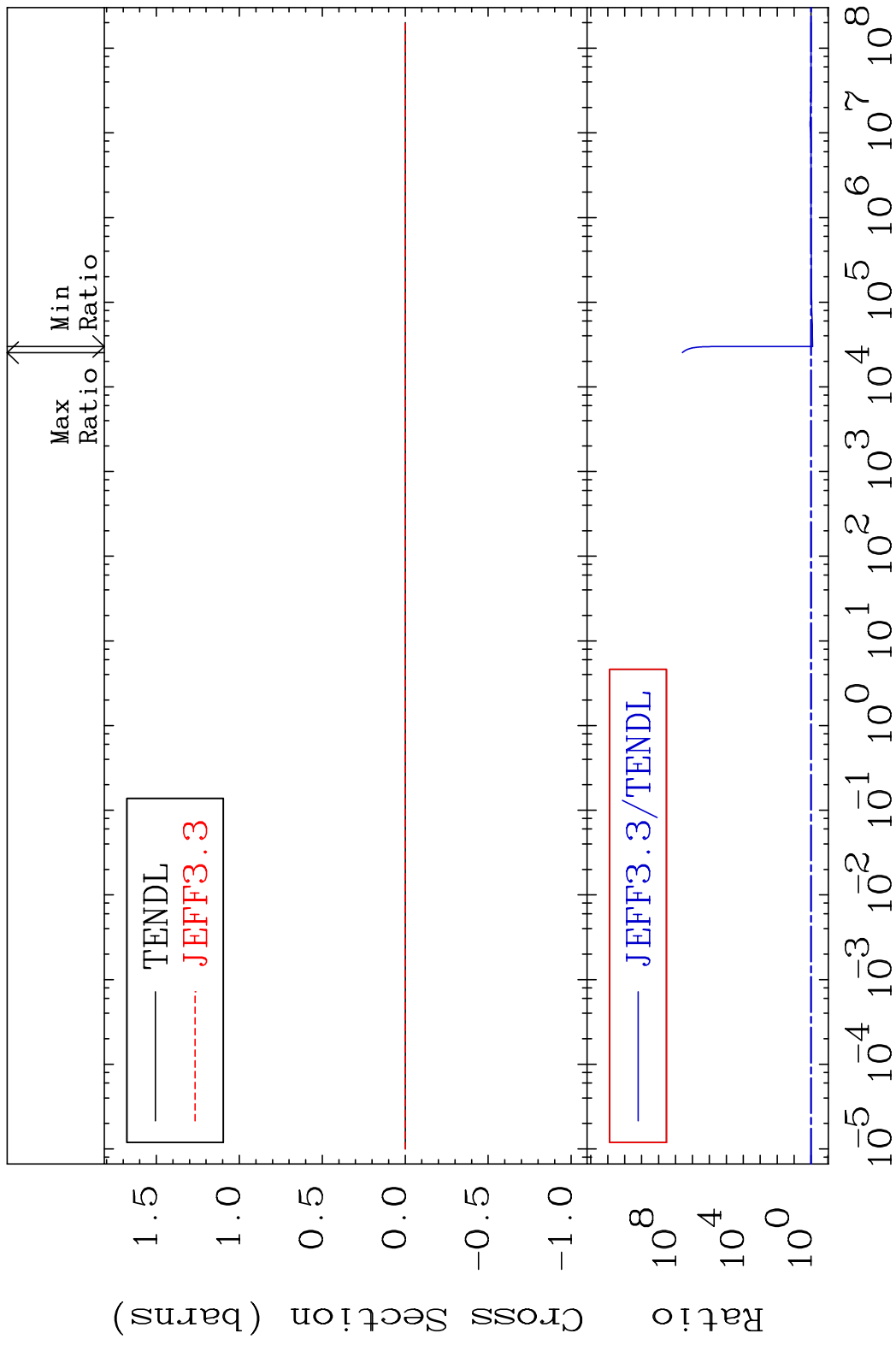
Kerma inelastic (mt51-91)

27-Co-58

Cross Section -18.55 To 9999. %



MAT 2722 Kerma fission (mt18 or mt19-20-21-38) 27-Co-58
 Cross Section -18.55 To 9999. %

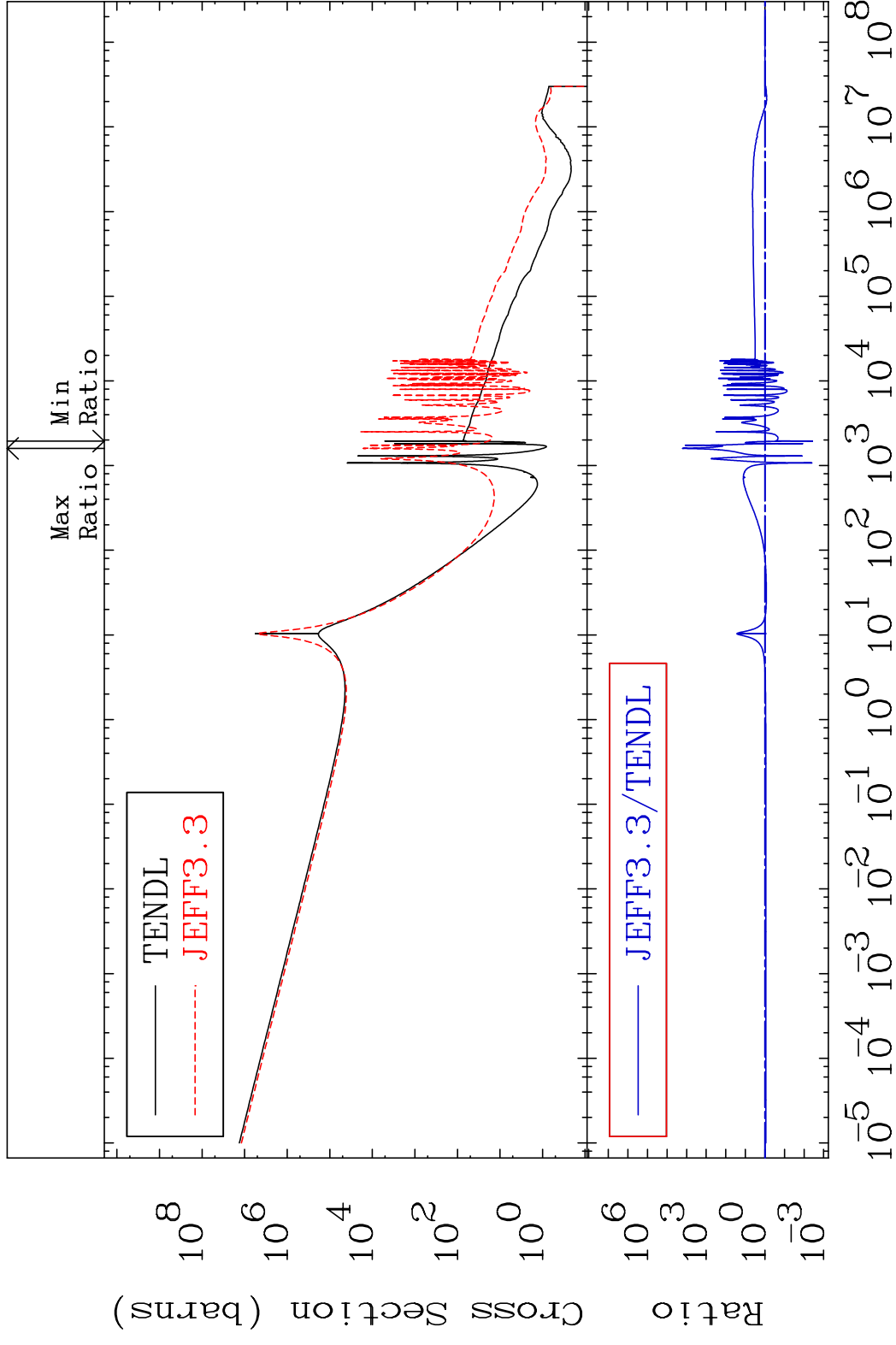


70 Incident Energy (eV) 27-Co-58

MAT 2722

Kerma capture (mt102) 27-Co-58

Cross Section -99.63 To 9999. %

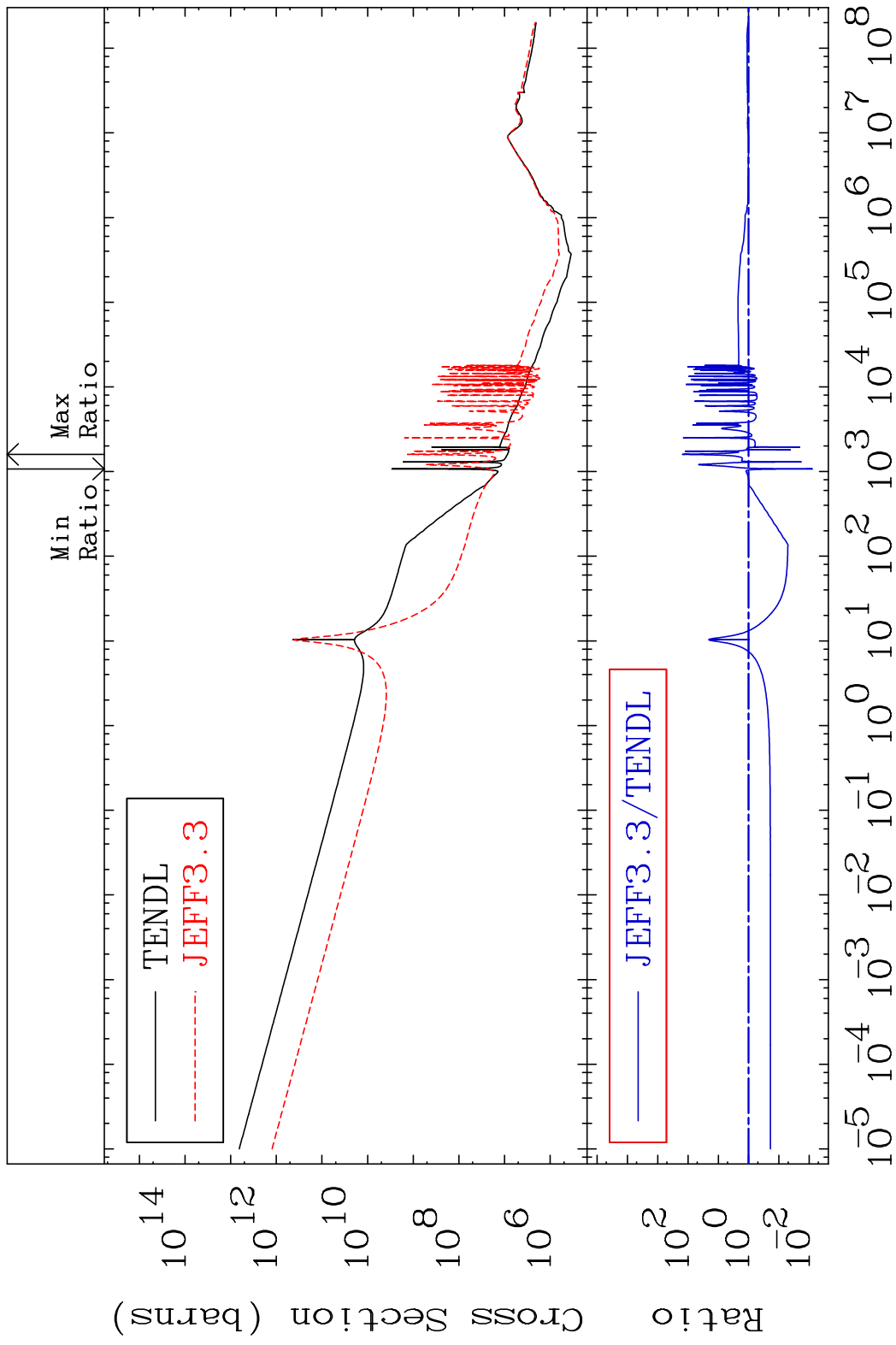


71

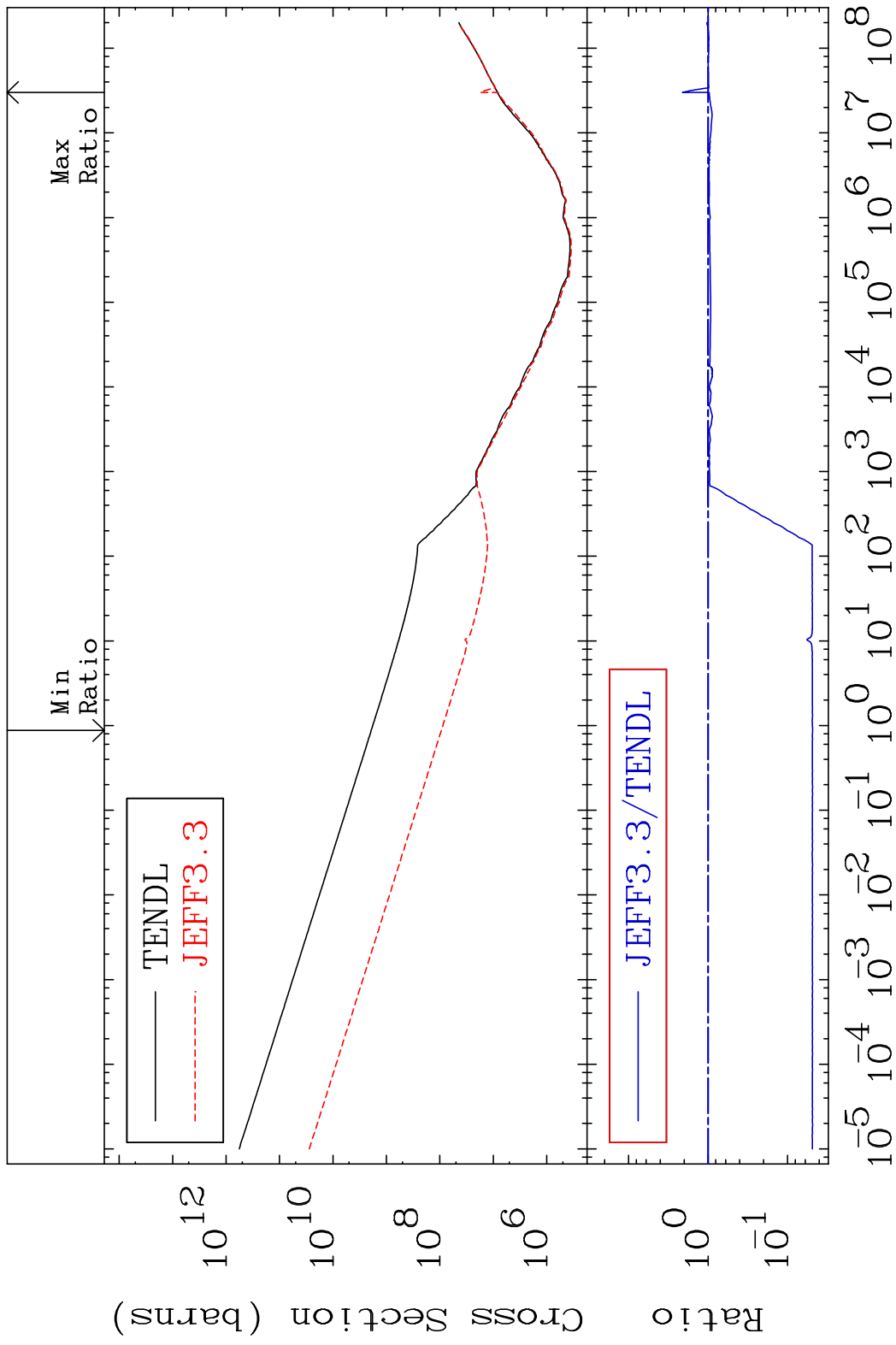
Incident Energy (eV)

27-Co-58

MAT 2722 Total photon (eV-barns) 27-Co-58
 Cross Section -99.22 To 9999. %



MAT 2722 Total kinematic kerma (high limit) 27-Co-58
 Cross Section -95.14 To 110.5 %

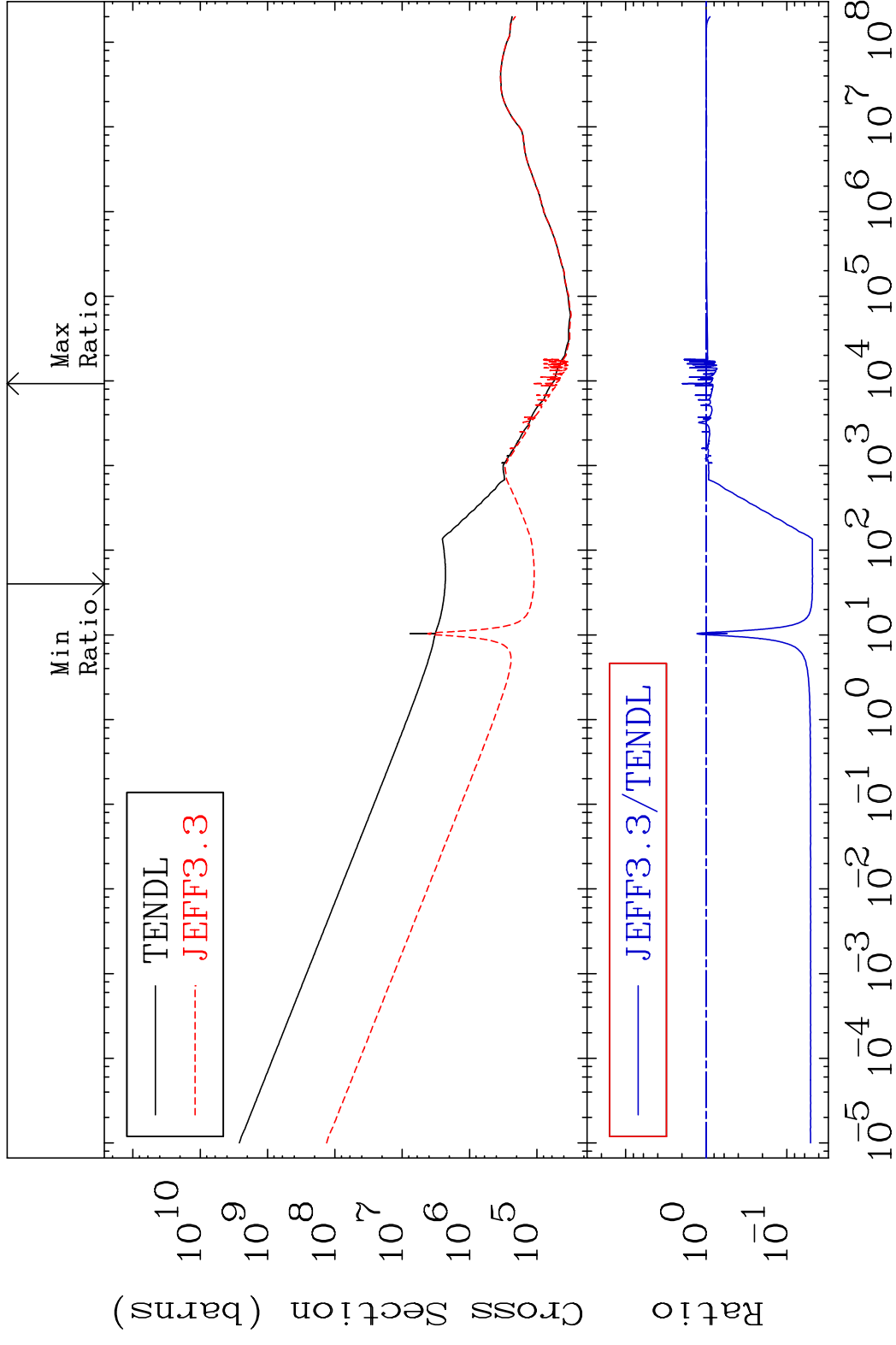


MAT 2722

Dpa total (eV-barns)

27-Co-58

Cross Section -95.21 To 97.71 %

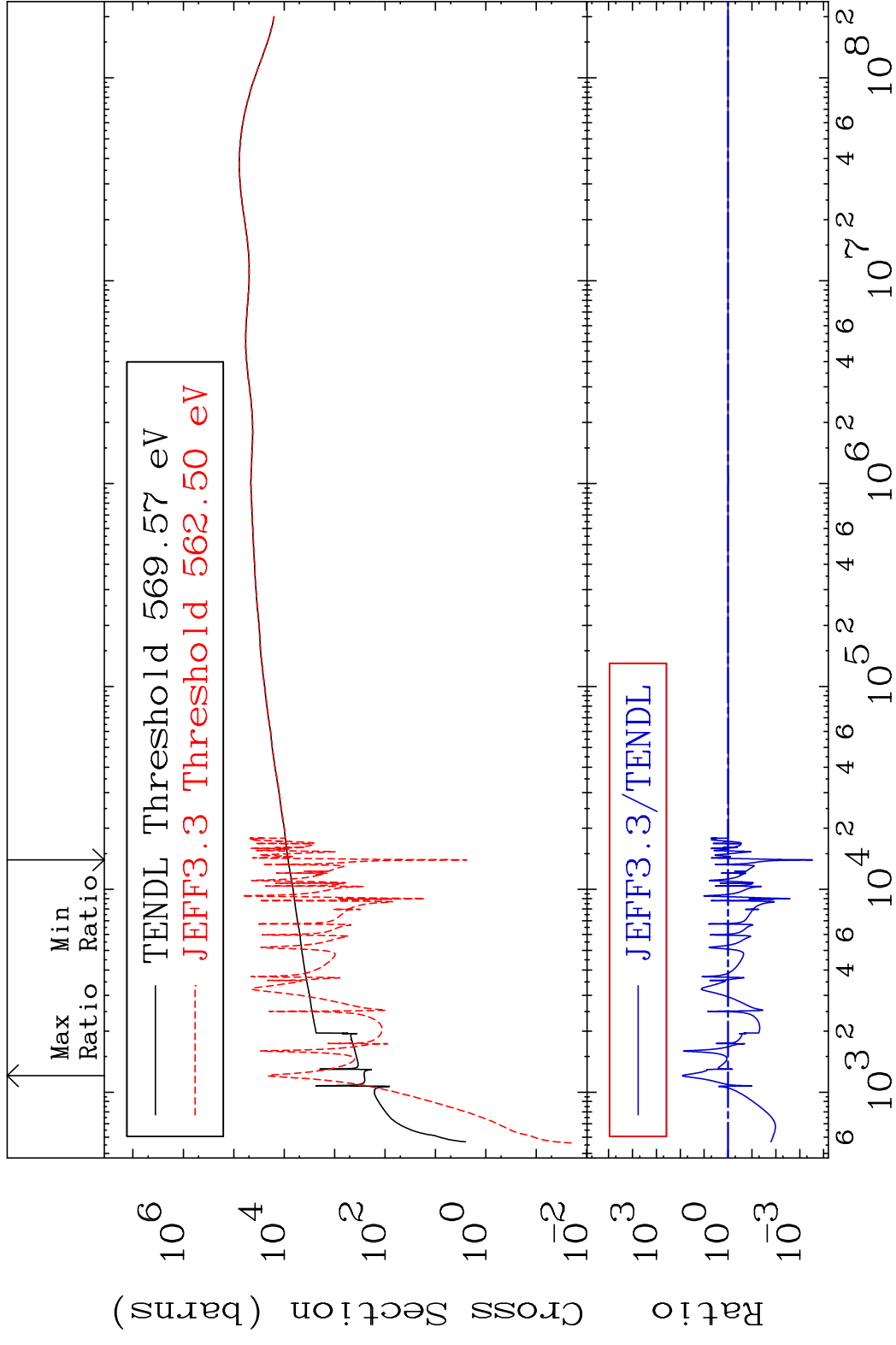


MAT 2722

Dpa elastic (mt2)

27-Co-58

Cross Section -99.97 To 8057. %



75

Incident Energy (eV)

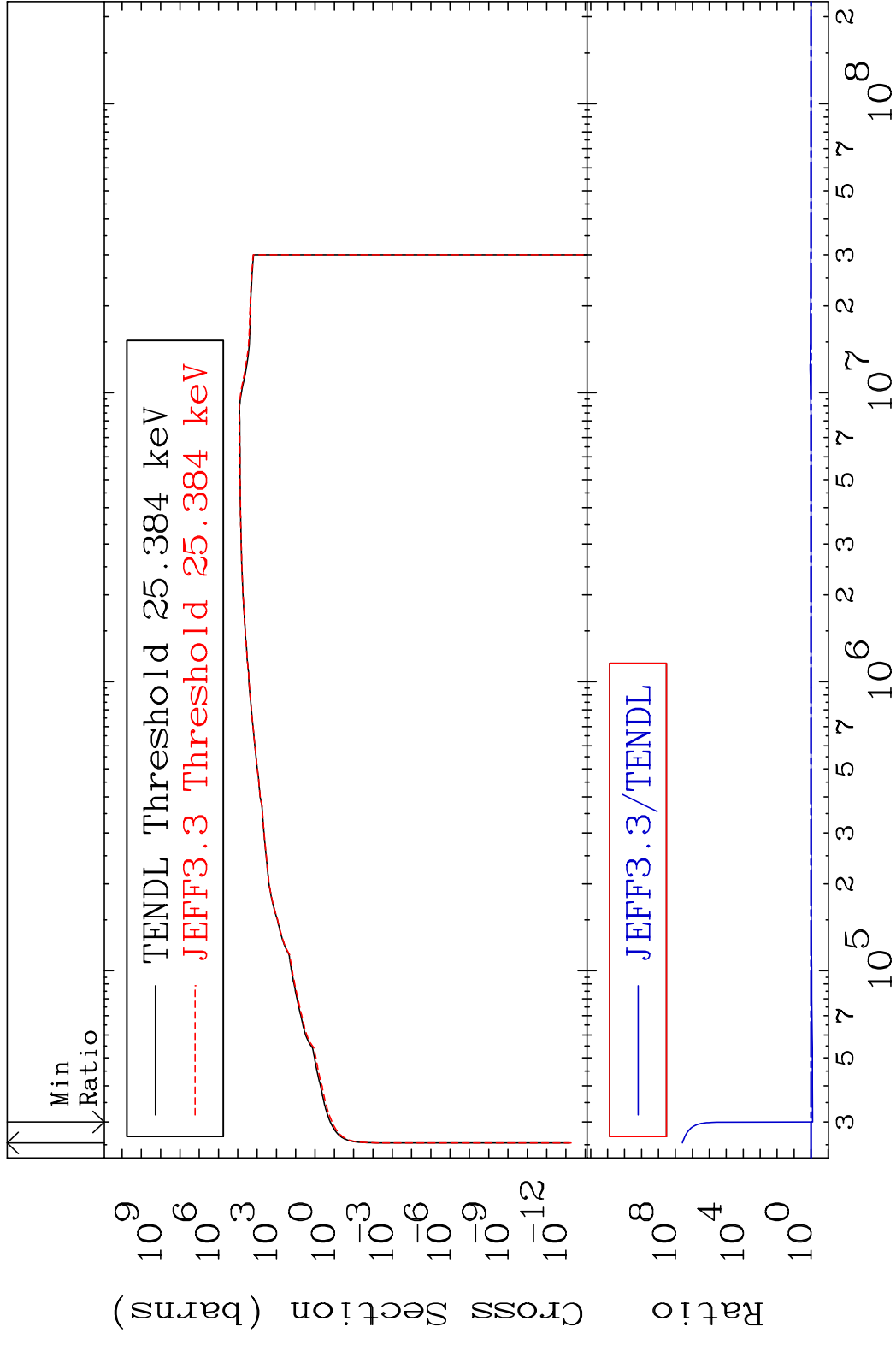
27-Co-58

MAT 2722

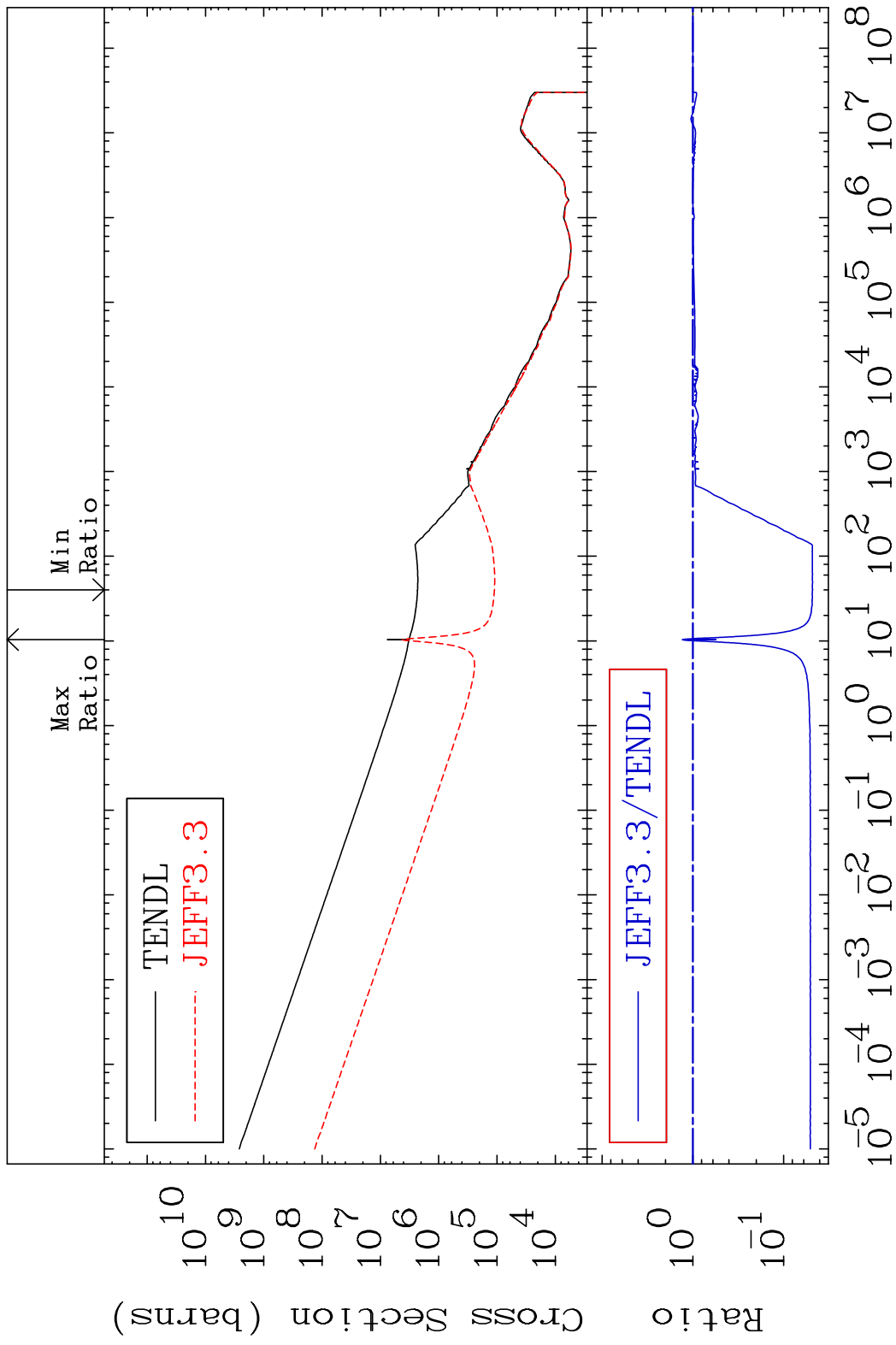
Dpa inelastic (mt51-91)

27-Co-58

Cross Section -18.54 To 9999. %



MAT 2722 Dpa disappearance (mt102 -120) 27-Co-58
 Cross Section -95.21 To 30.27 %



MAT 2722

Inelastic: 27-Co-58

Radionuclide Production Cross Section 157.8 %

