

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

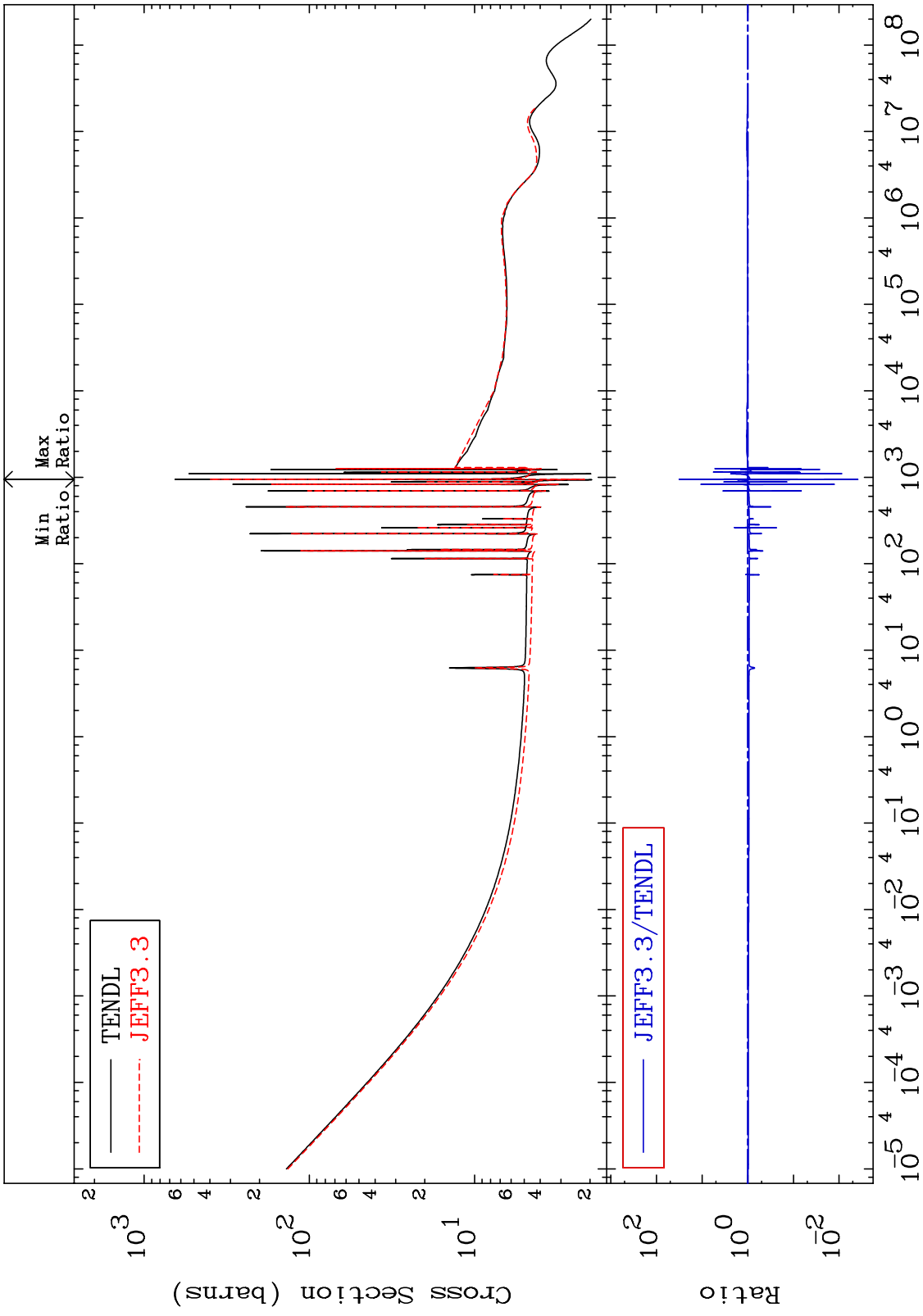
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 5046 50-Sn-119
Total Cross Section -99.61 To 3107. %

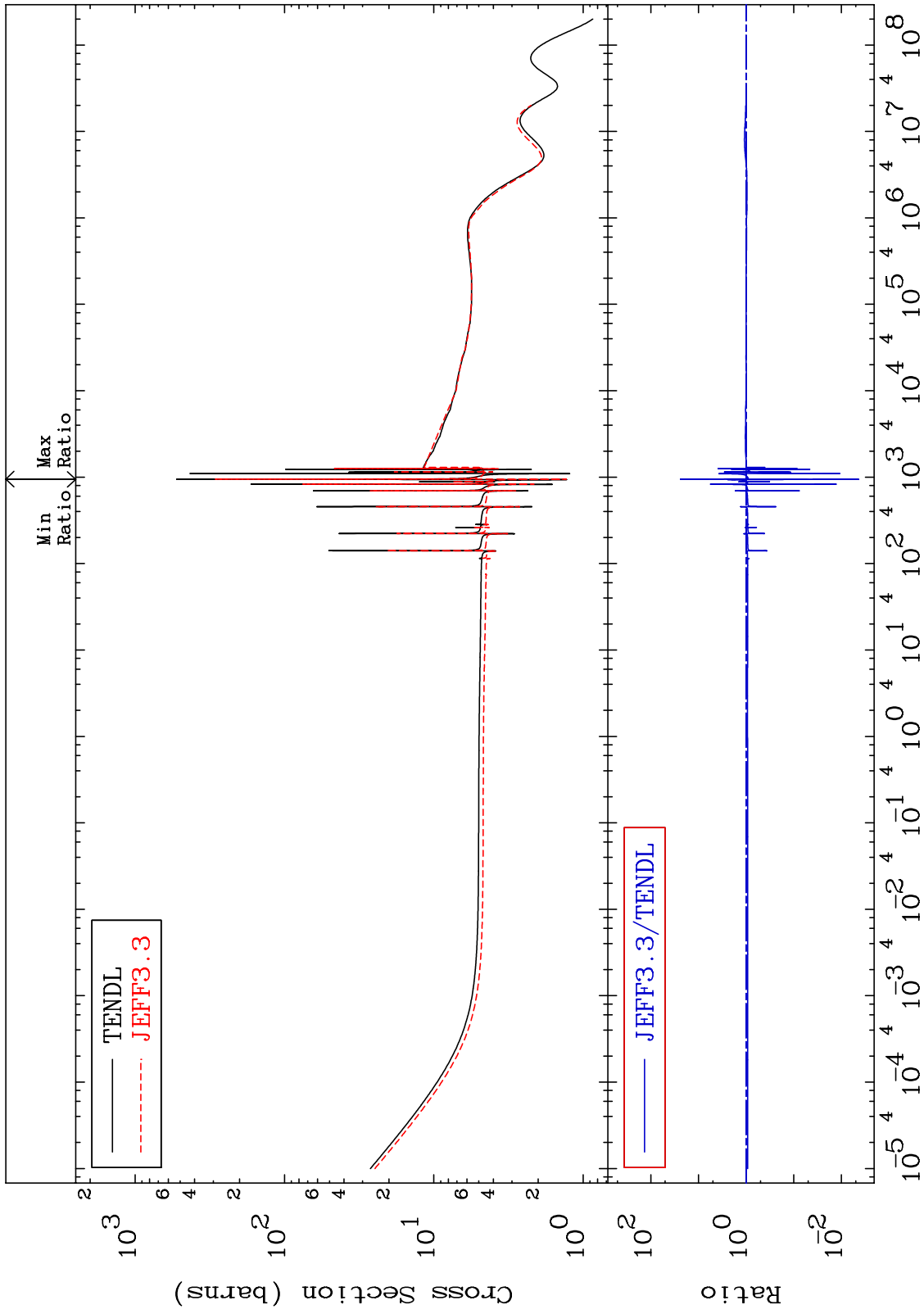


Incident Energy (eV) 50-Sn-119

MAT 5046

Elastic
Cross Section

50-Sn-119
-99.57 To 2318. %



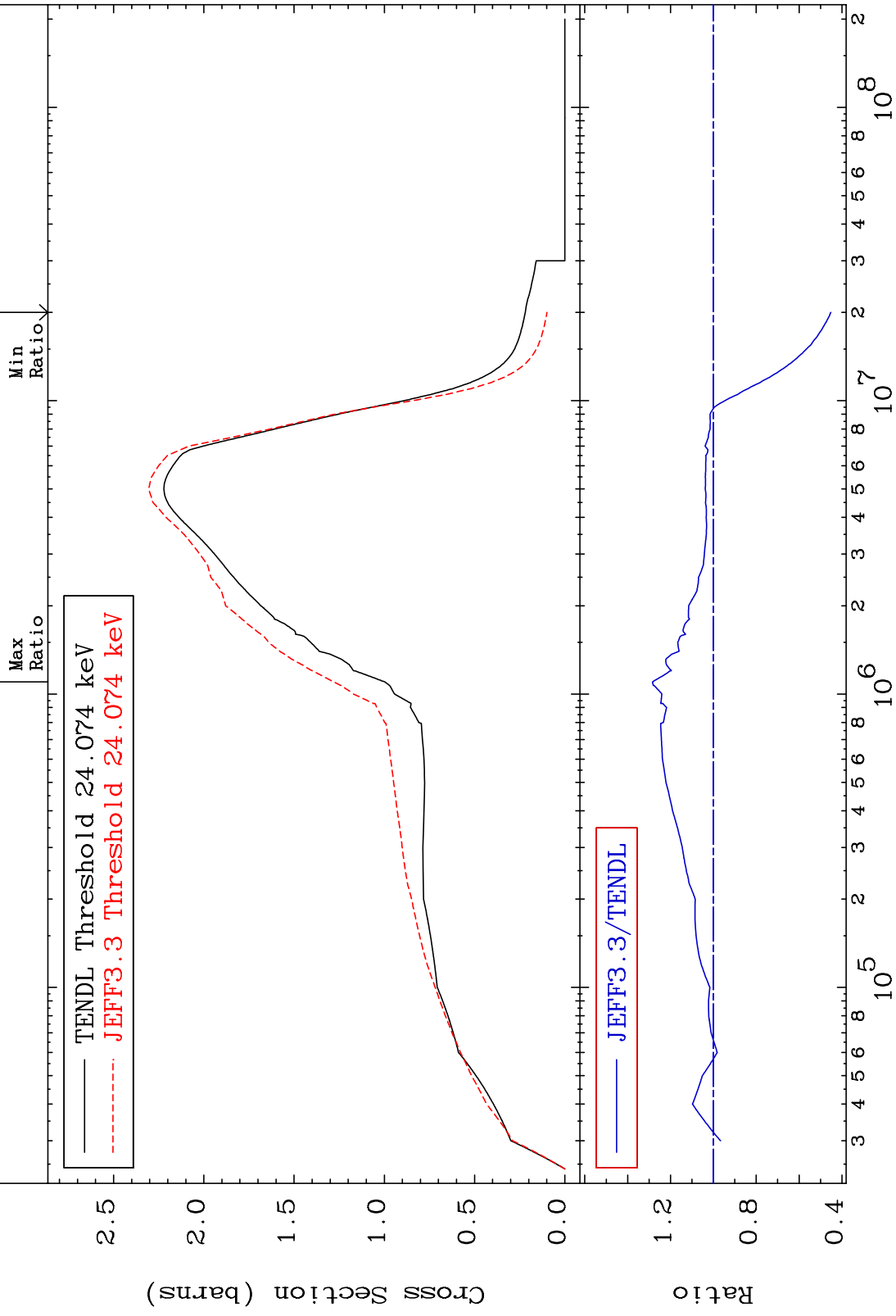
2

Incident Energy (eV)

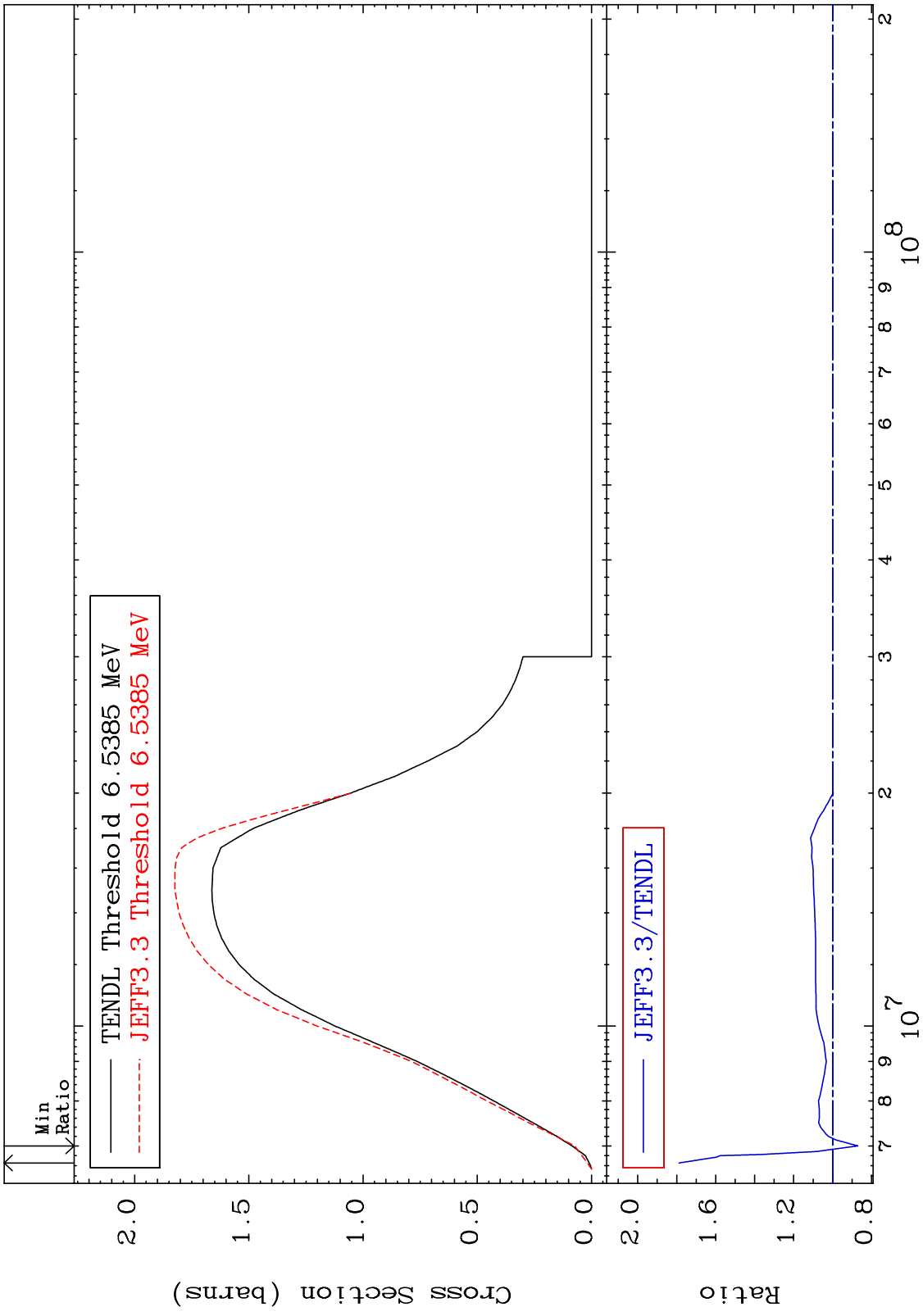
50-Sn-119

MAT 5046 50-Sn-119 -54.84 To 28.52 %

Inelastic Cross Section



MAT 5046 (n,2n) 50-Sn-119
Cross Section -12.94 To 78.79 %



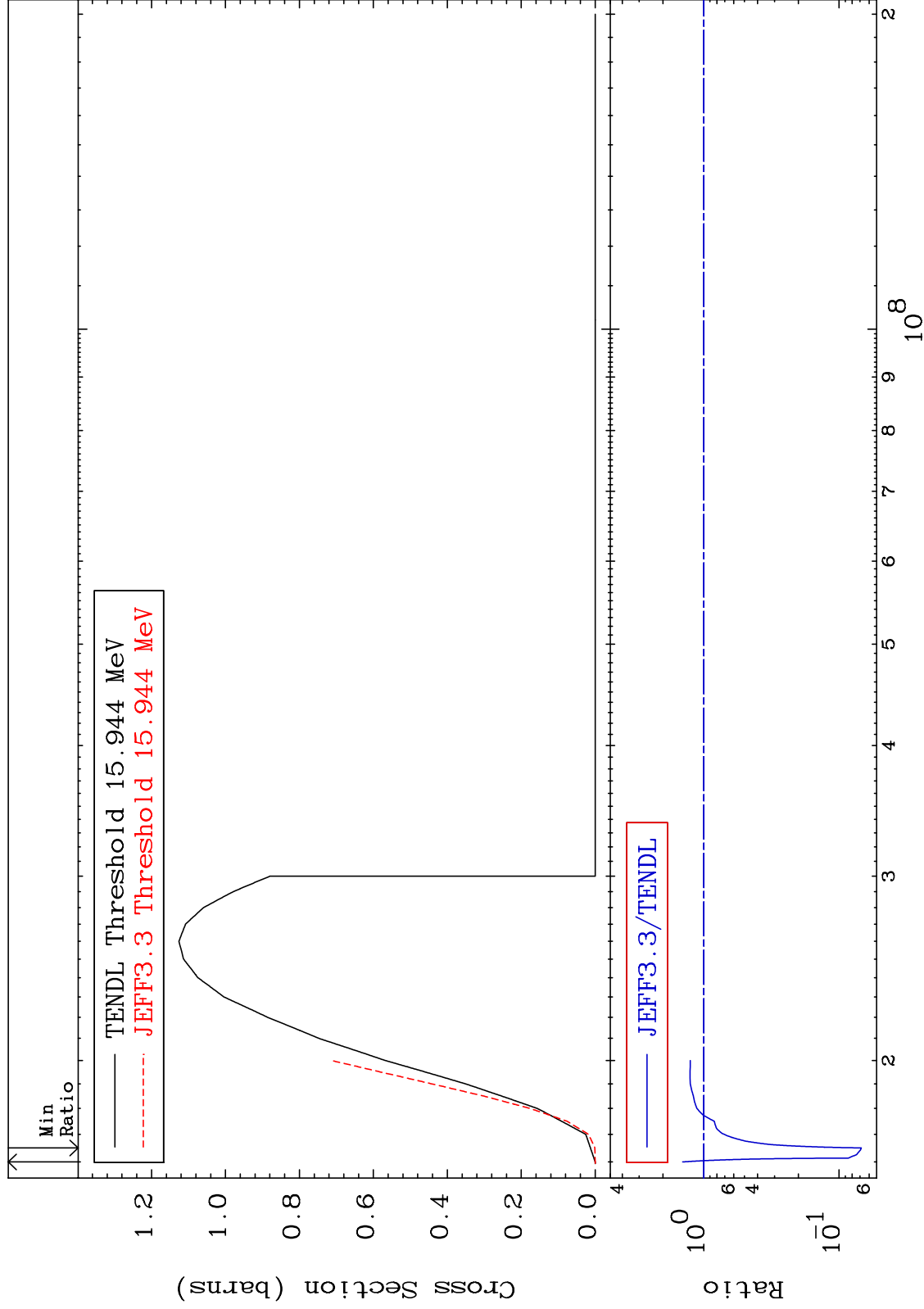
MAT 5046

(n,3n)

50-Sn-119

Cross Section

-93.16 To 43.17 %

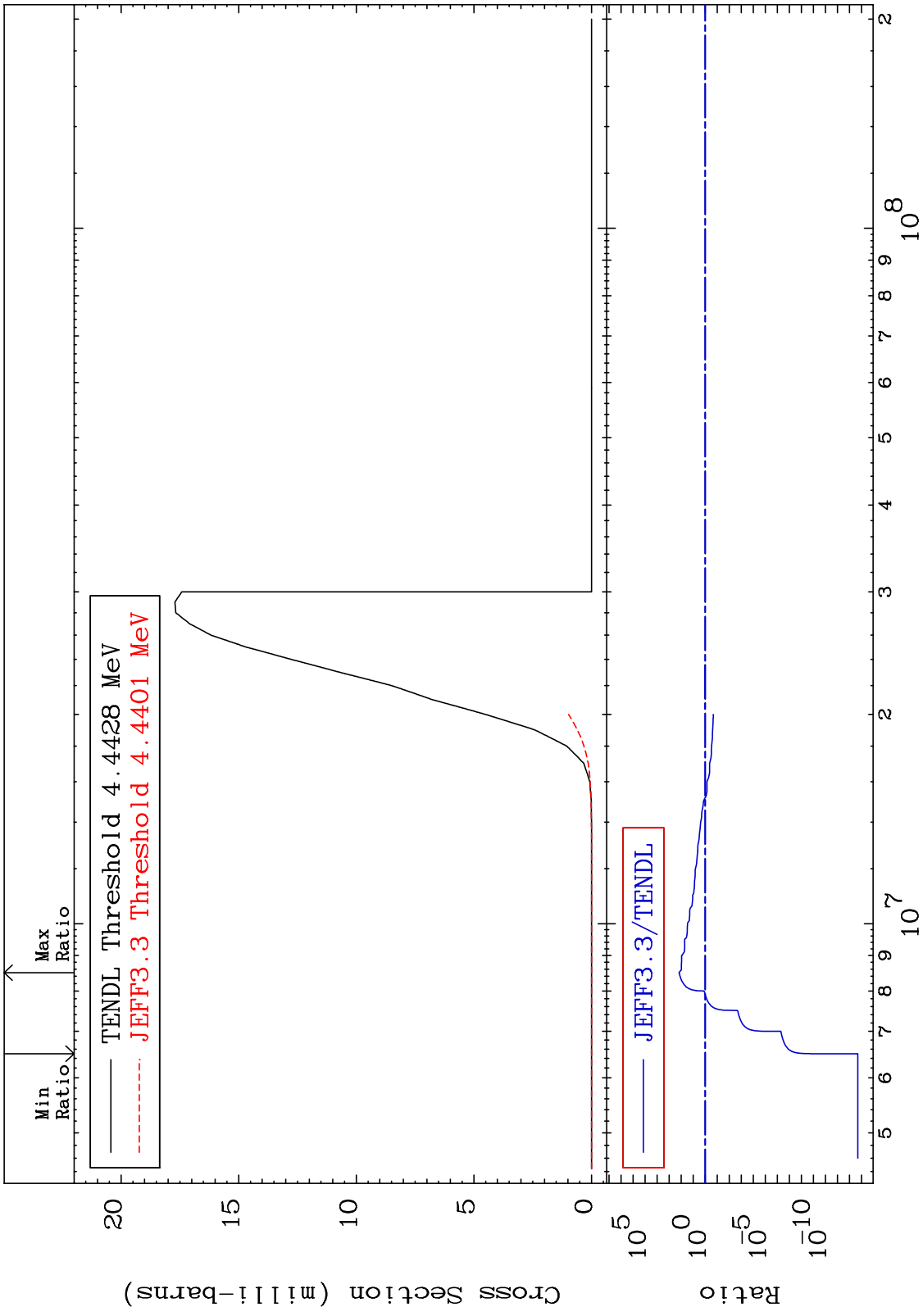


5

Incident Energy (eV)

50-Sn-119

MAT 5046 $(n, n') \alpha$ 50-Sn-119
 Cross Section -100.0 To 9999. %

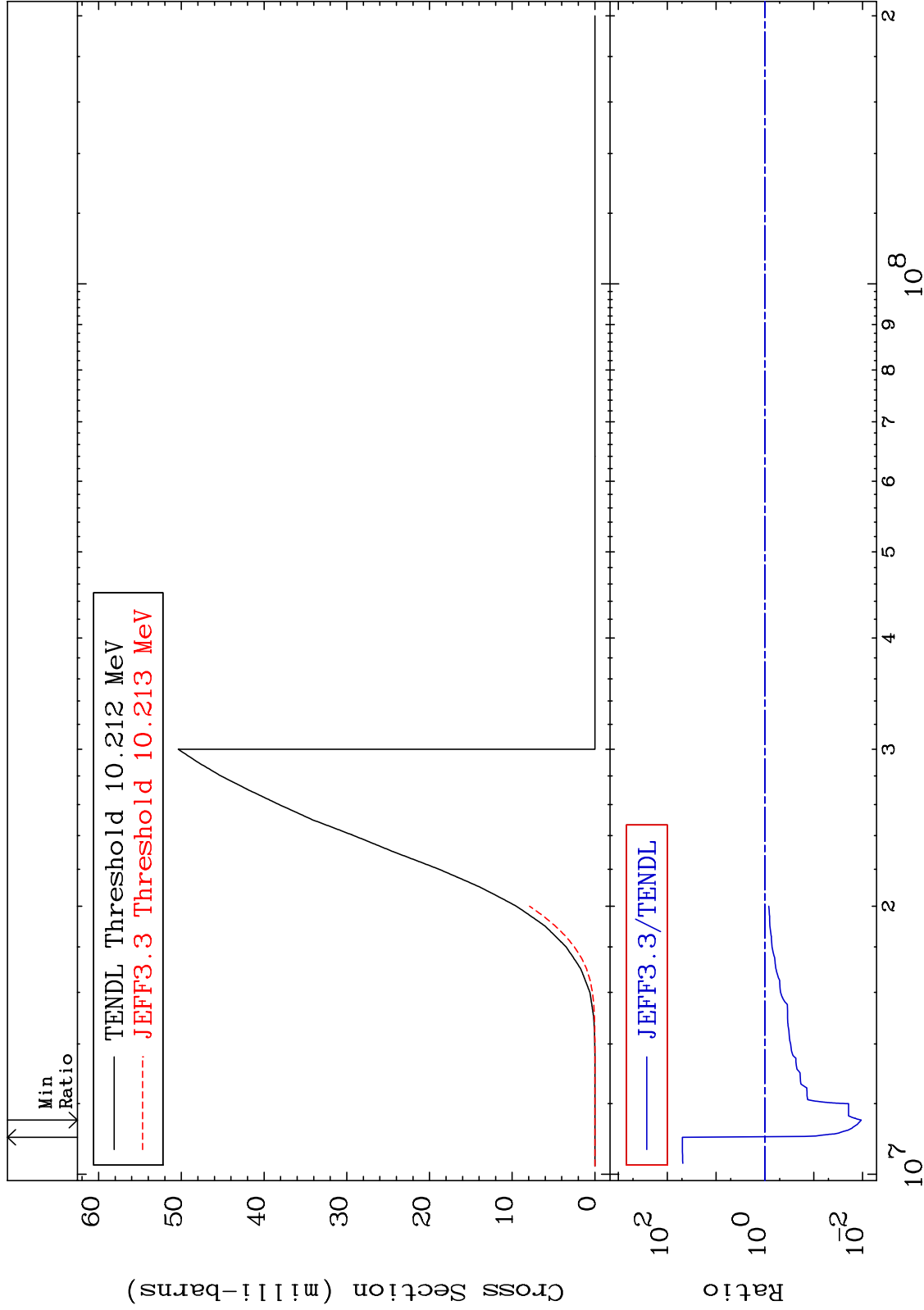


6 Incident Energy (eV) 50-Sn-119

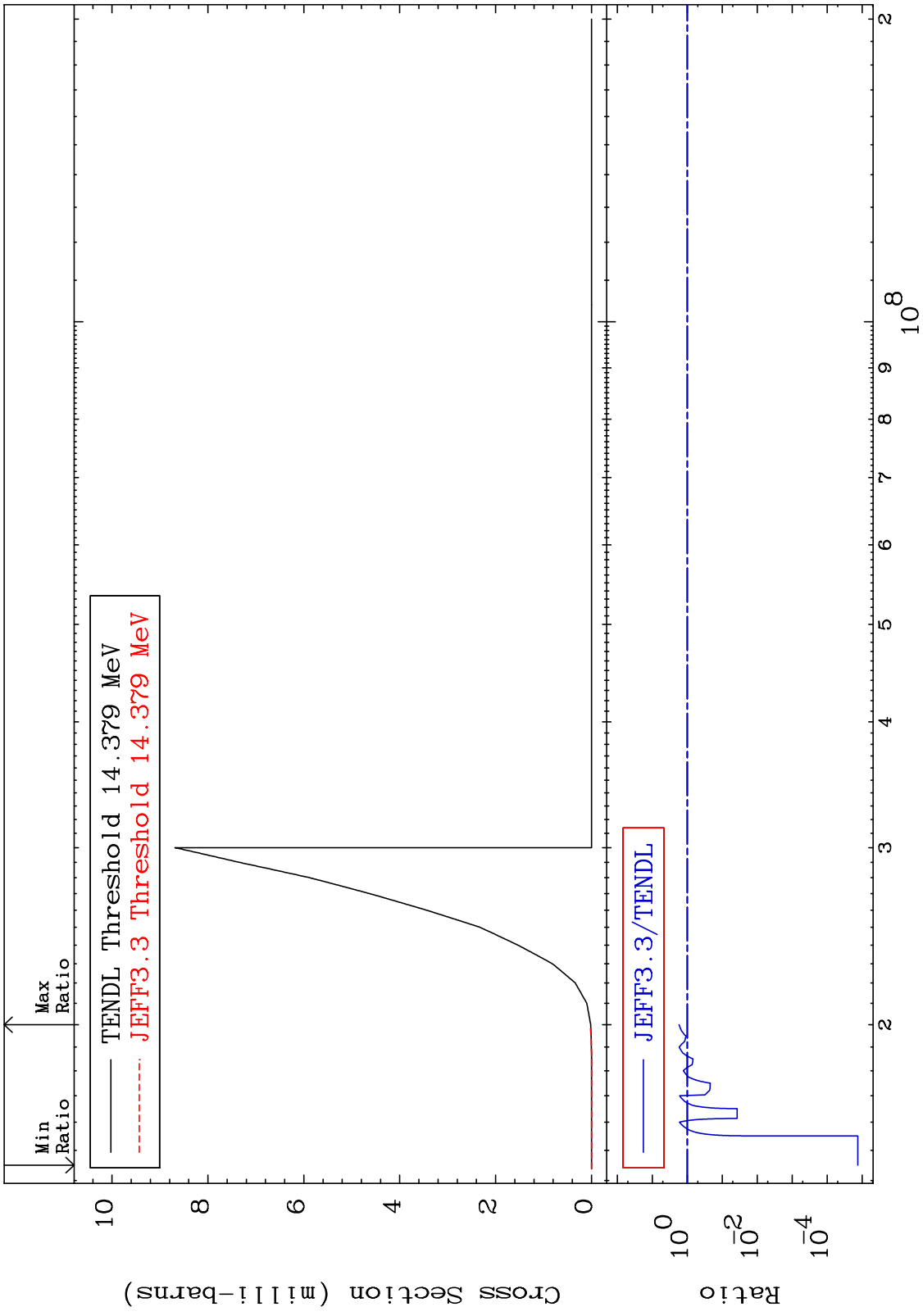
MAT 5046

(n,n') p
Cross Section

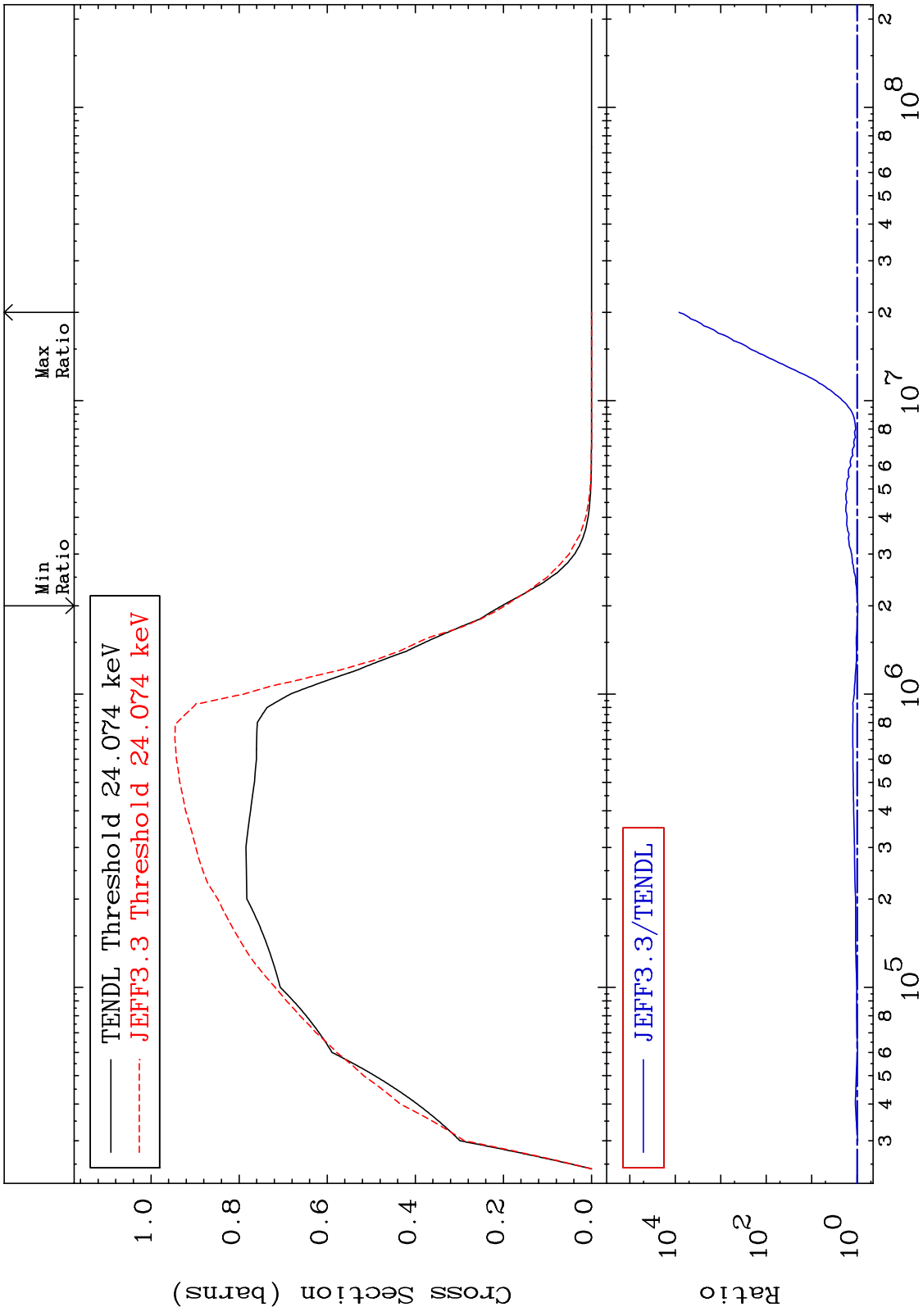
50-Sn-119
-98.93 To 4773. %



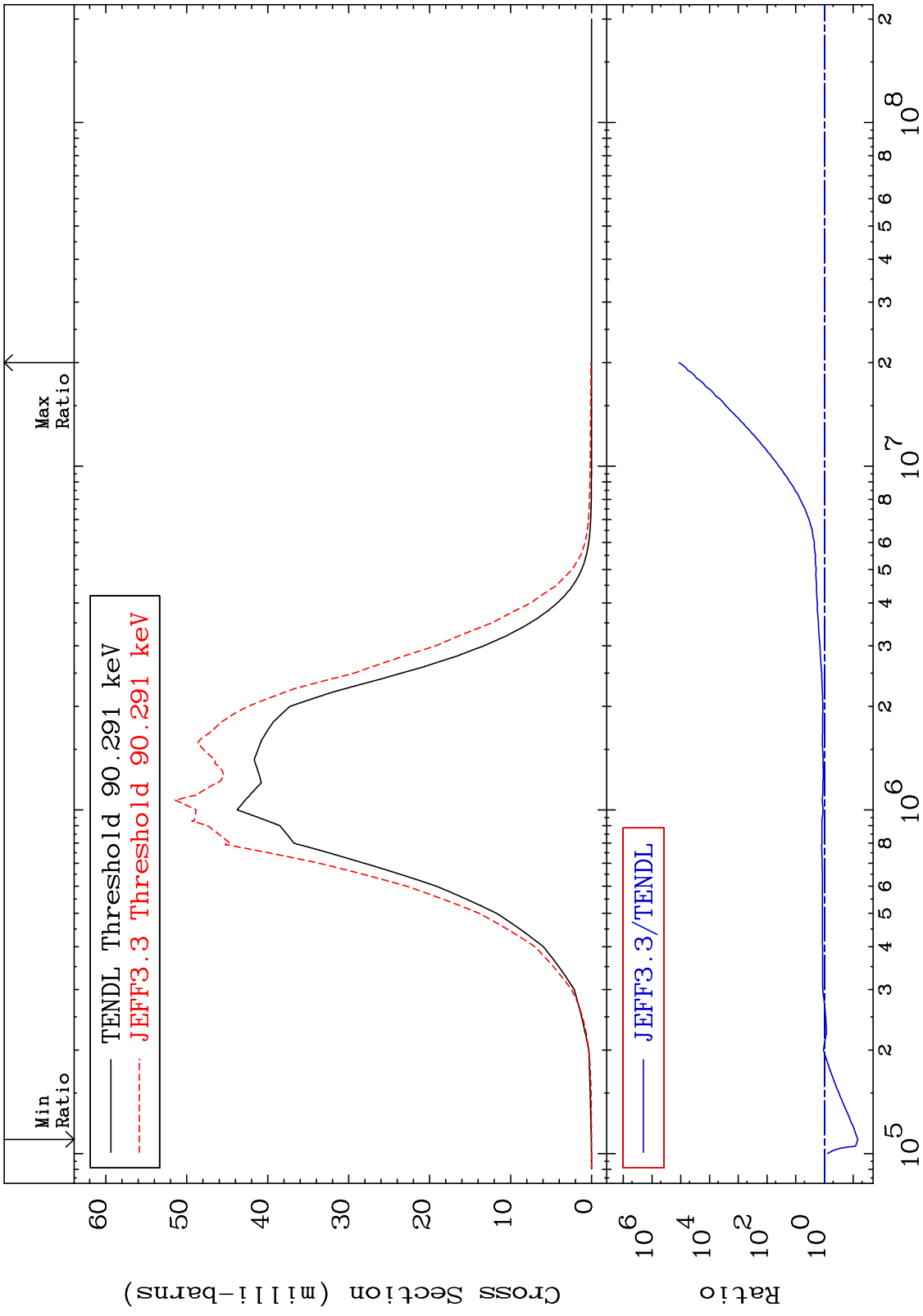
50-Sn-119



MAT 5046 MT= 51 (n,n') Level Cross Section 50-Sn-119
 -3.451 To 9999. %

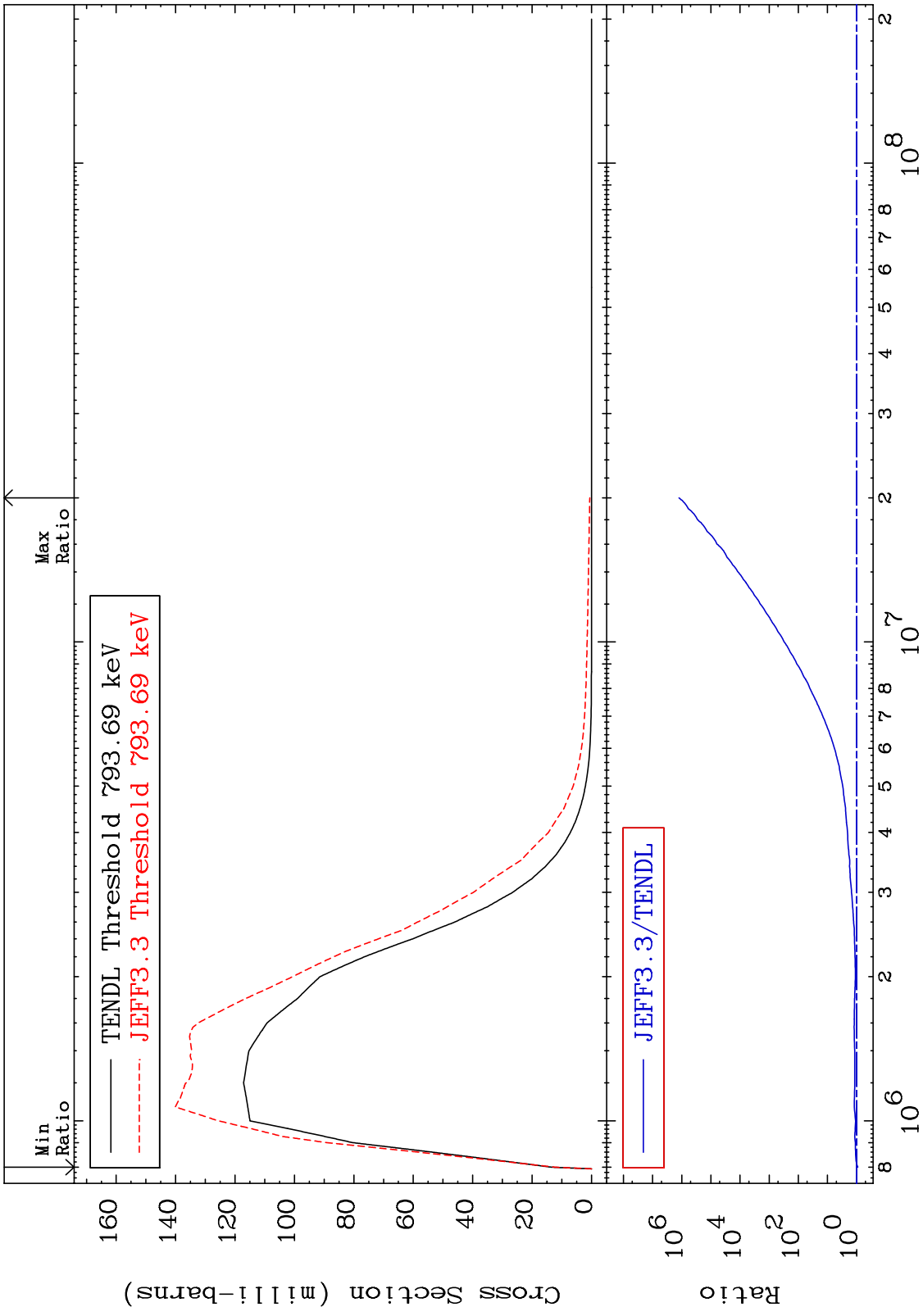


MAT 5046 MT= 52 (n,n') Level Cross Section 50-Sn-119 -93.08 To 9999. %

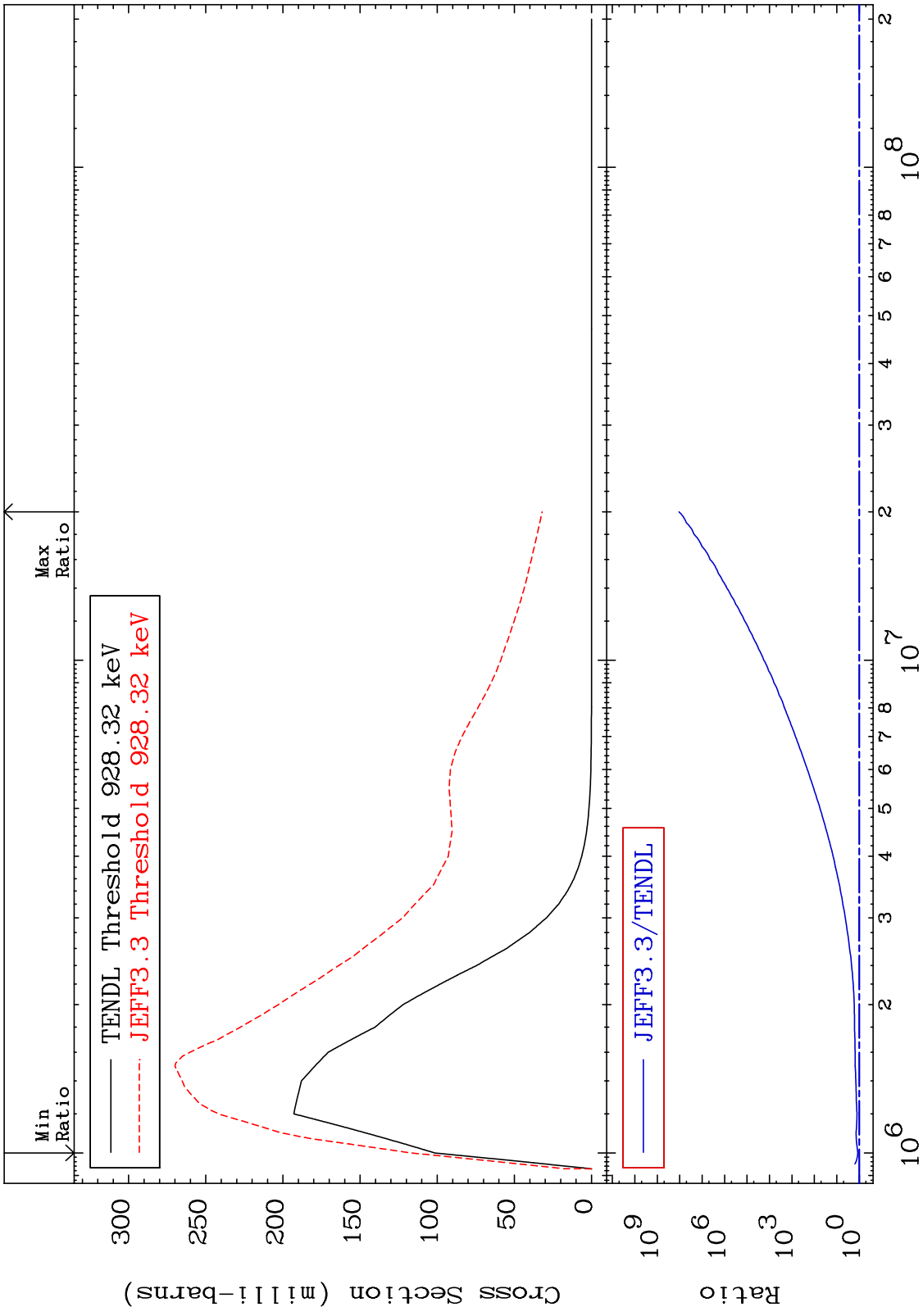


50-Sn-119

MAT 5046 MT= 53 (n,n') Level Cross Section 50-Sn-119
 -8.915 To 9999. %

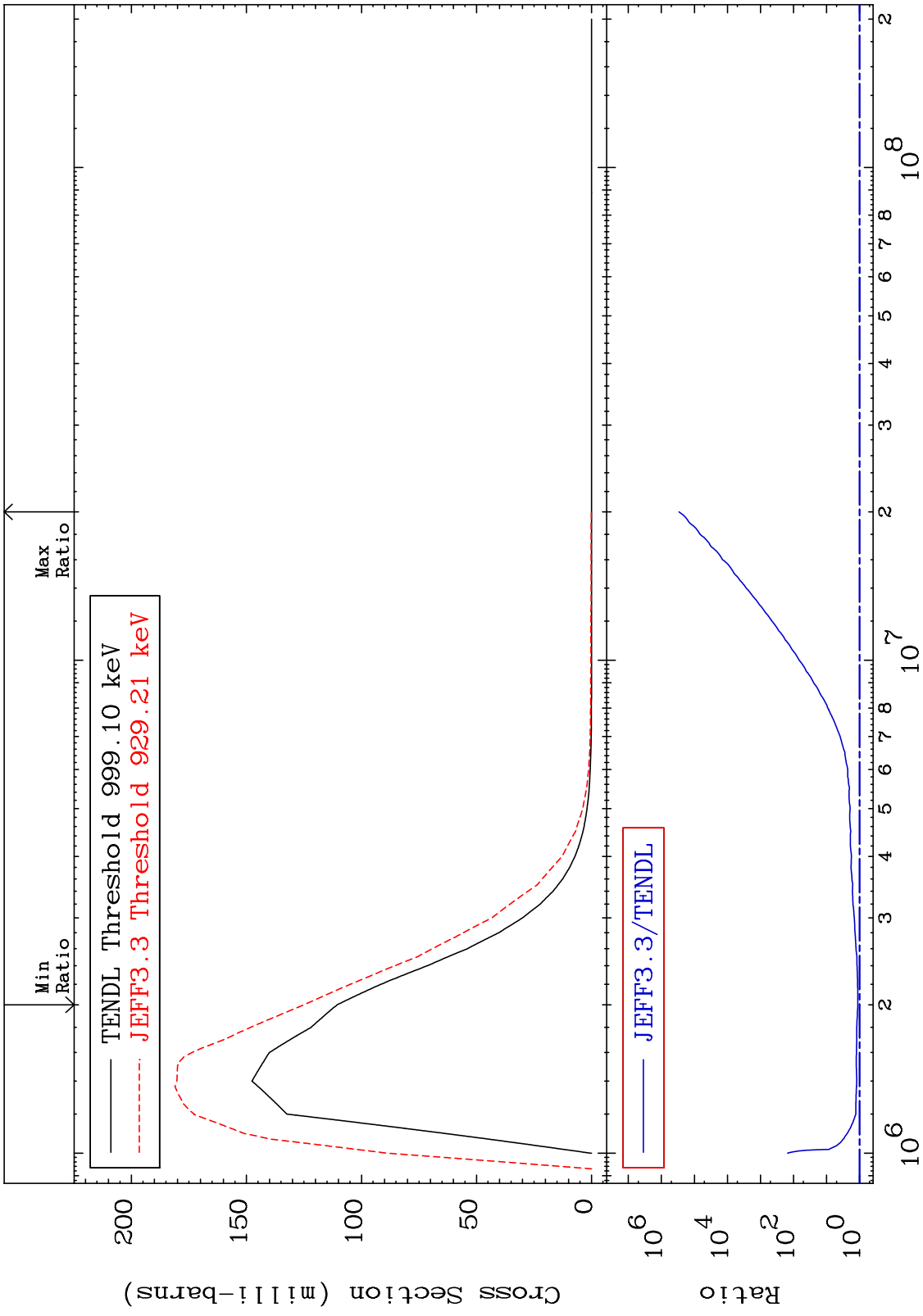


MAT 5046 MT= 54 (n,n') Level Cross Section 50-Sn-119 To 9999. %
 15.20



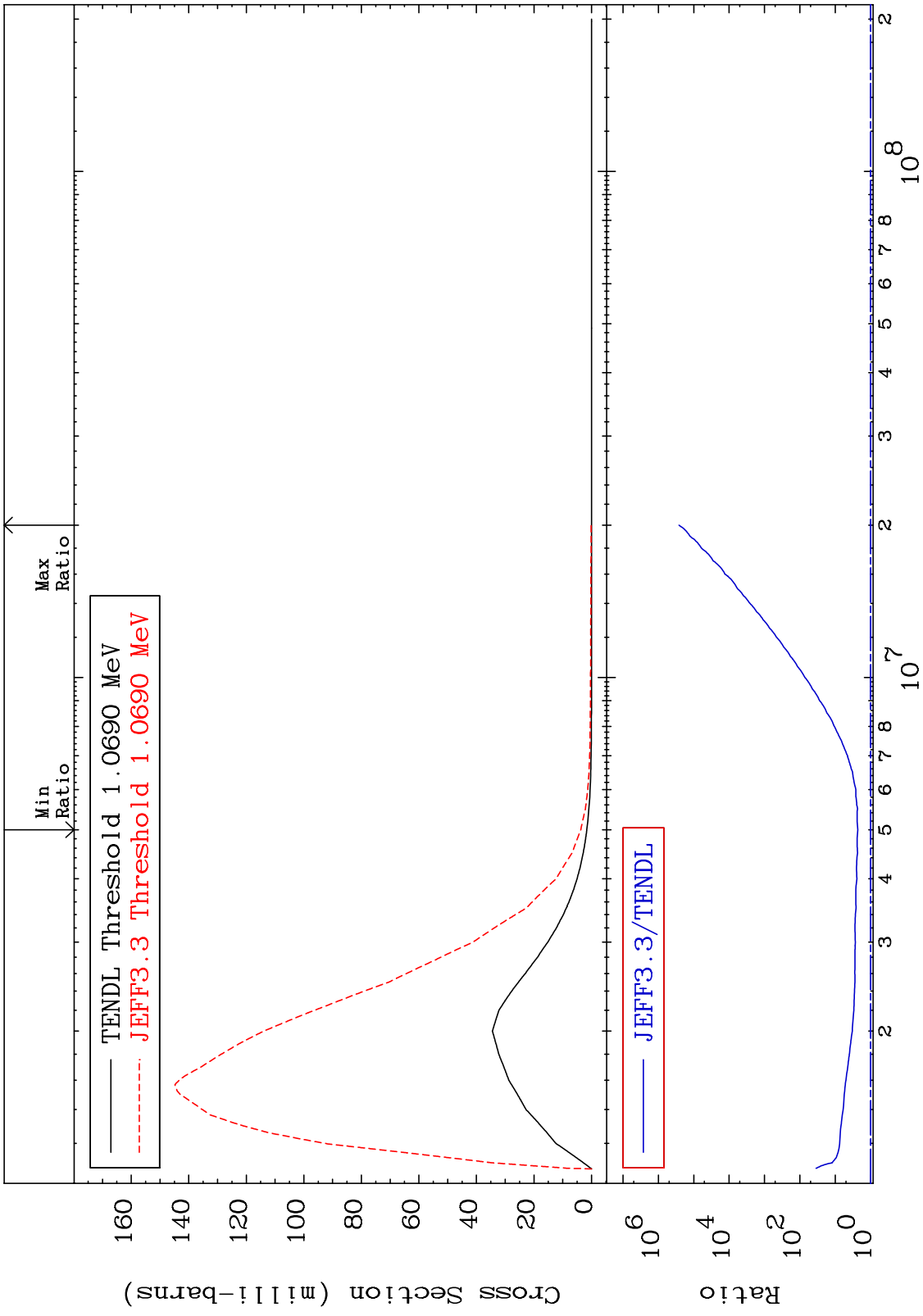
12 Incident Energy (eV) 50-Sn-119

MAT 5046 MT= 55 (n,n') Level Cross Section 50-Sn-119
 12.94 To 9999. %

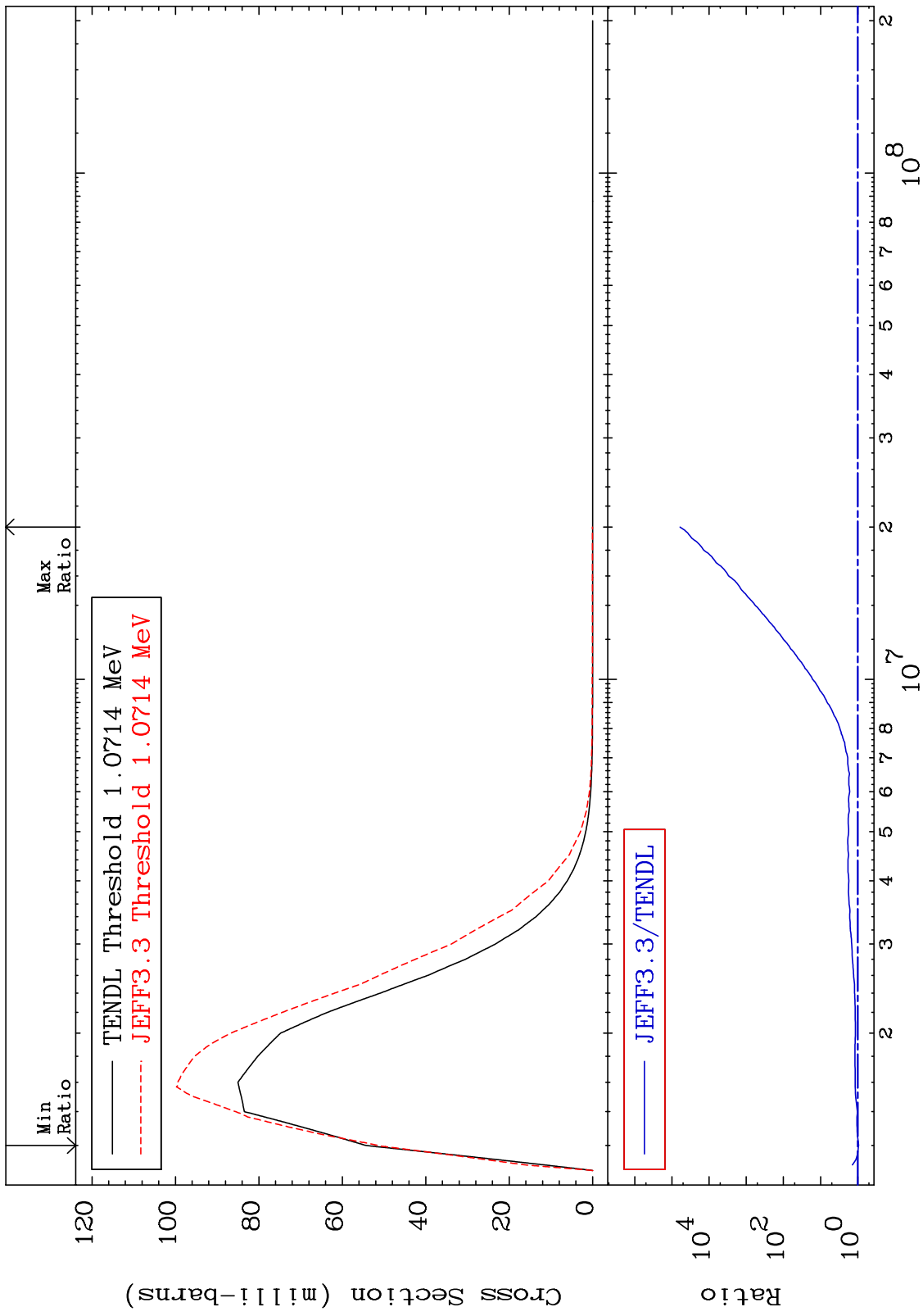


13 Incident Energy (eV) 50-Sn-119

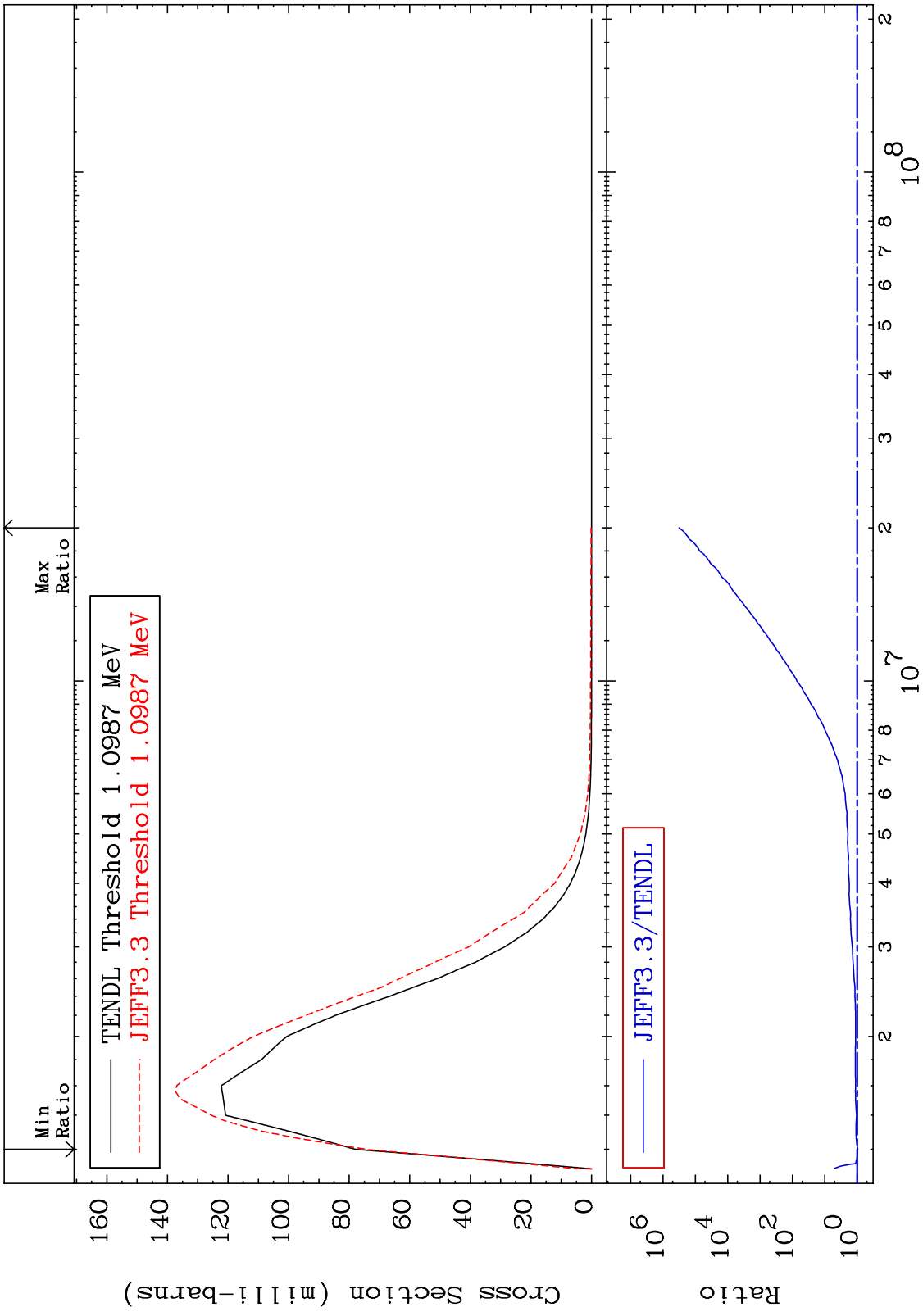
MAT 5046 MT= 56 (n,n') Level Cross Section 50-Sn-119 129.7 To 9999. %



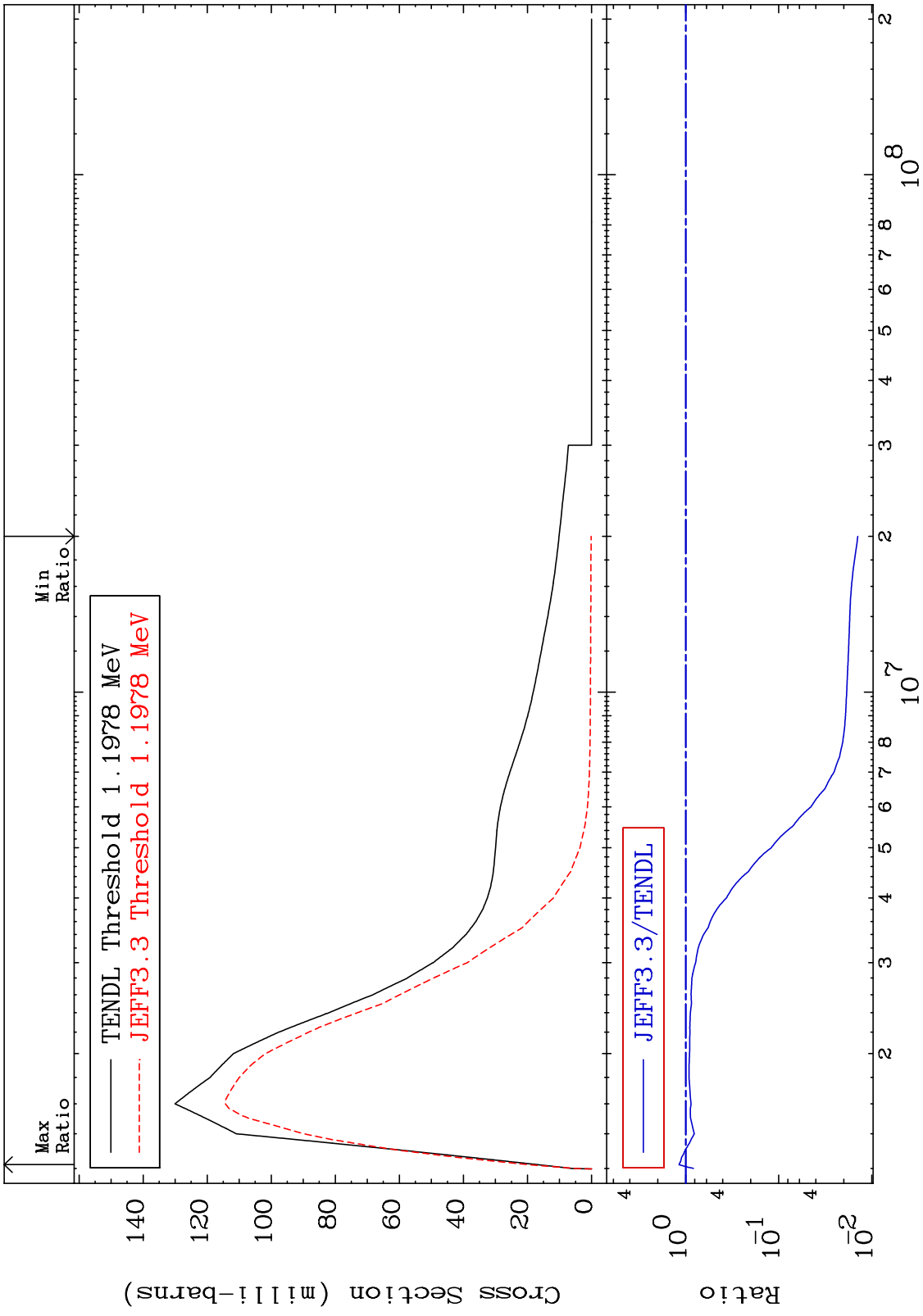
MAT 5046 MT= 57 (n,n') Level Cross Section 50-Sn-119 -5.735 To 9999. %



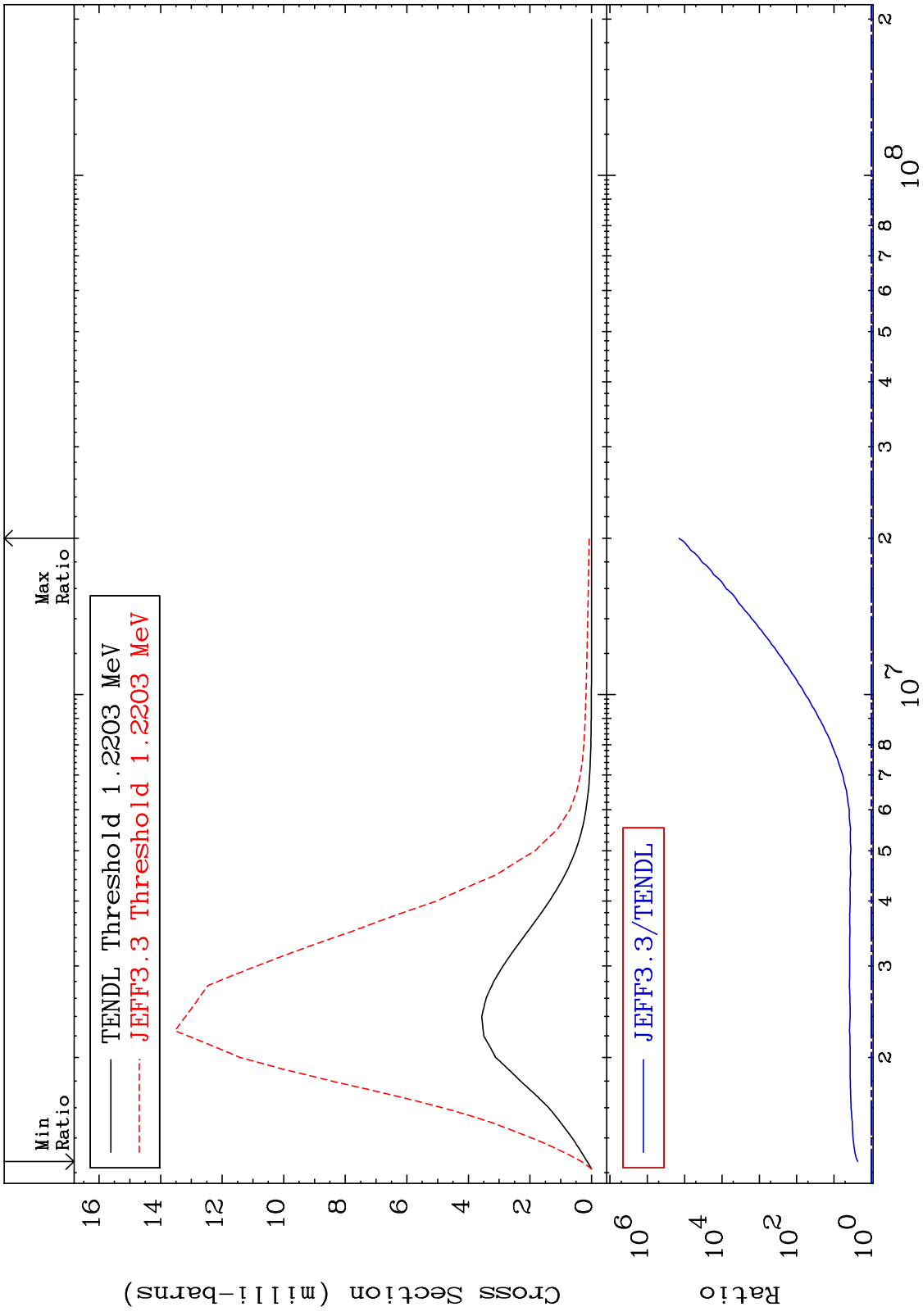
MAT 5046 MT= 58 (n,n') Level 50-Sn-119
 Cross Section -4.687 To 9999. %



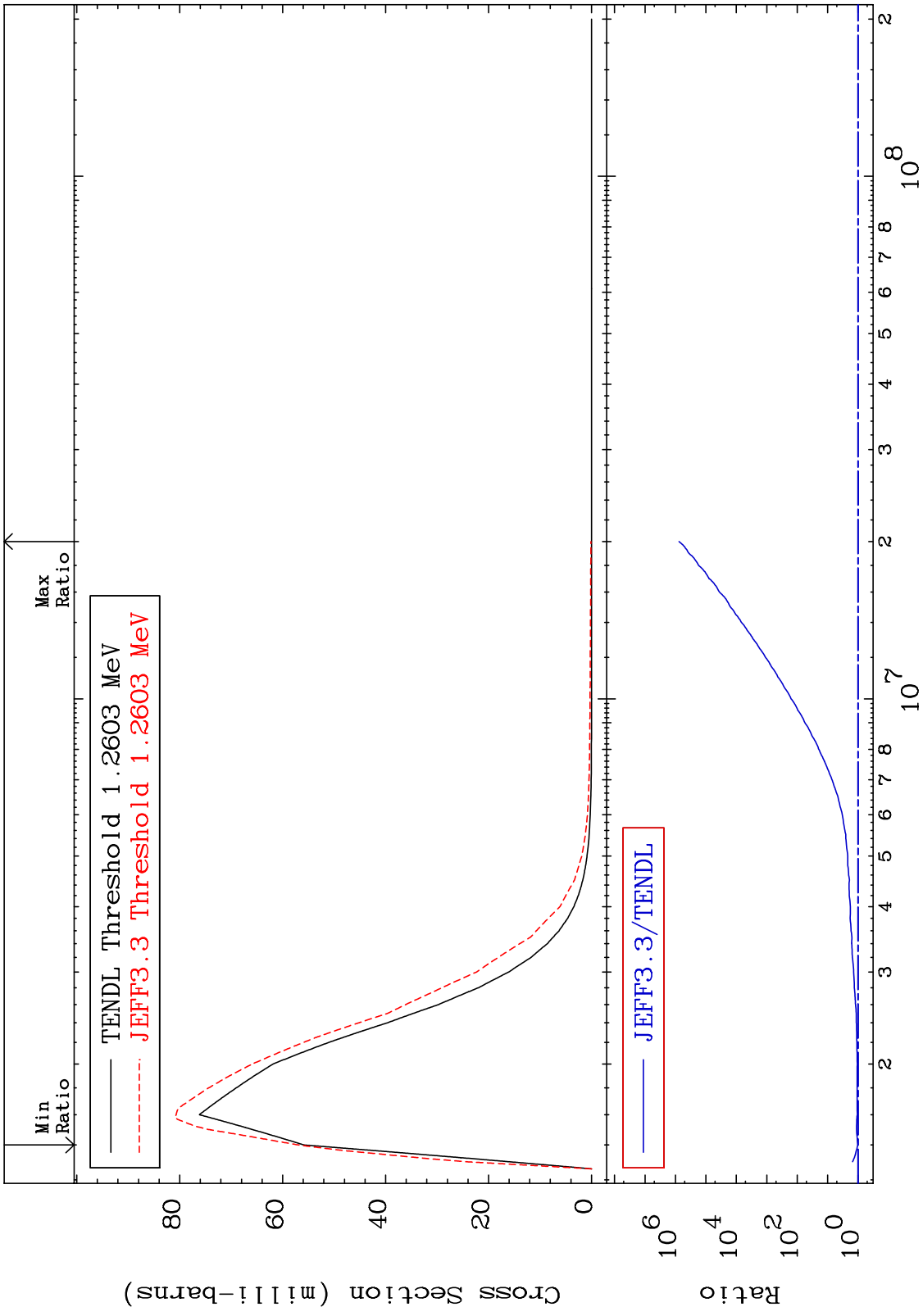
MAT 5046 MT= 59 (n,n') Level Cross Section 50-Sn-119 -98.59 To 18.17 %



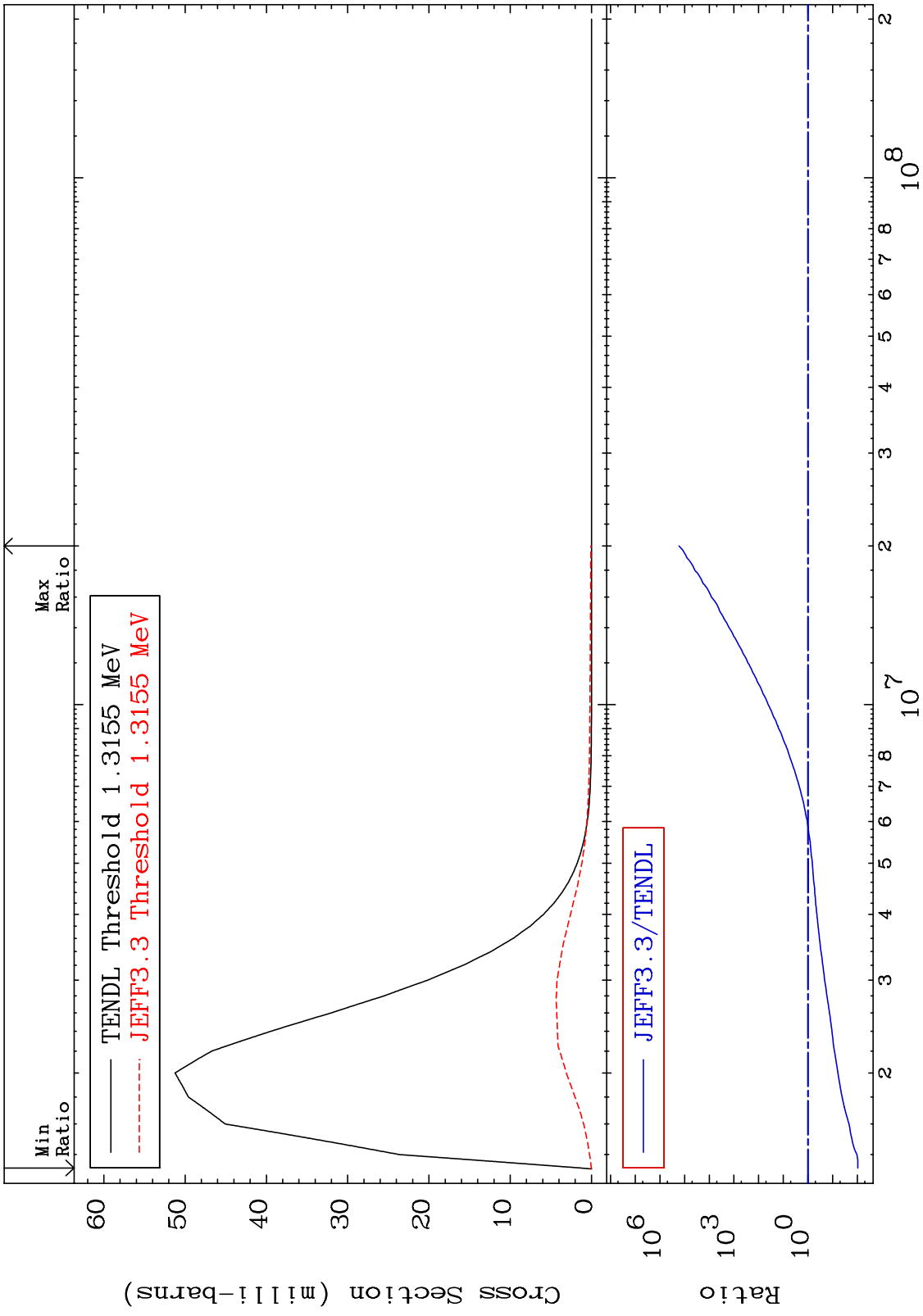
MAT 5046 MT= 60 (n,n') Level Cross Section 50-Sn-119
 129.6 To 9999. %



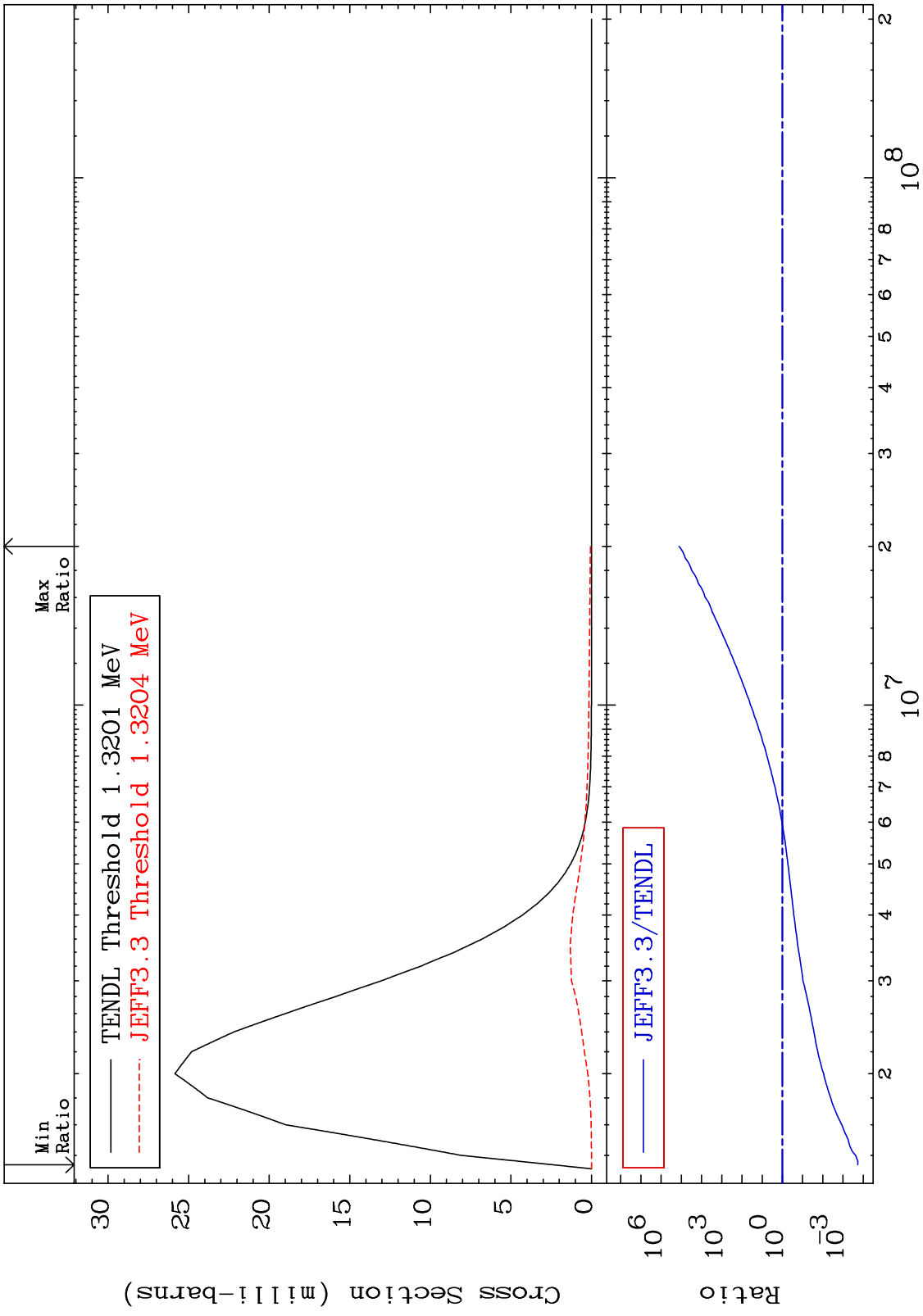
MAT 5046 MT= 61 (n,n') Level Cross Section 50-Sn-119
 1.872 To 9999. %



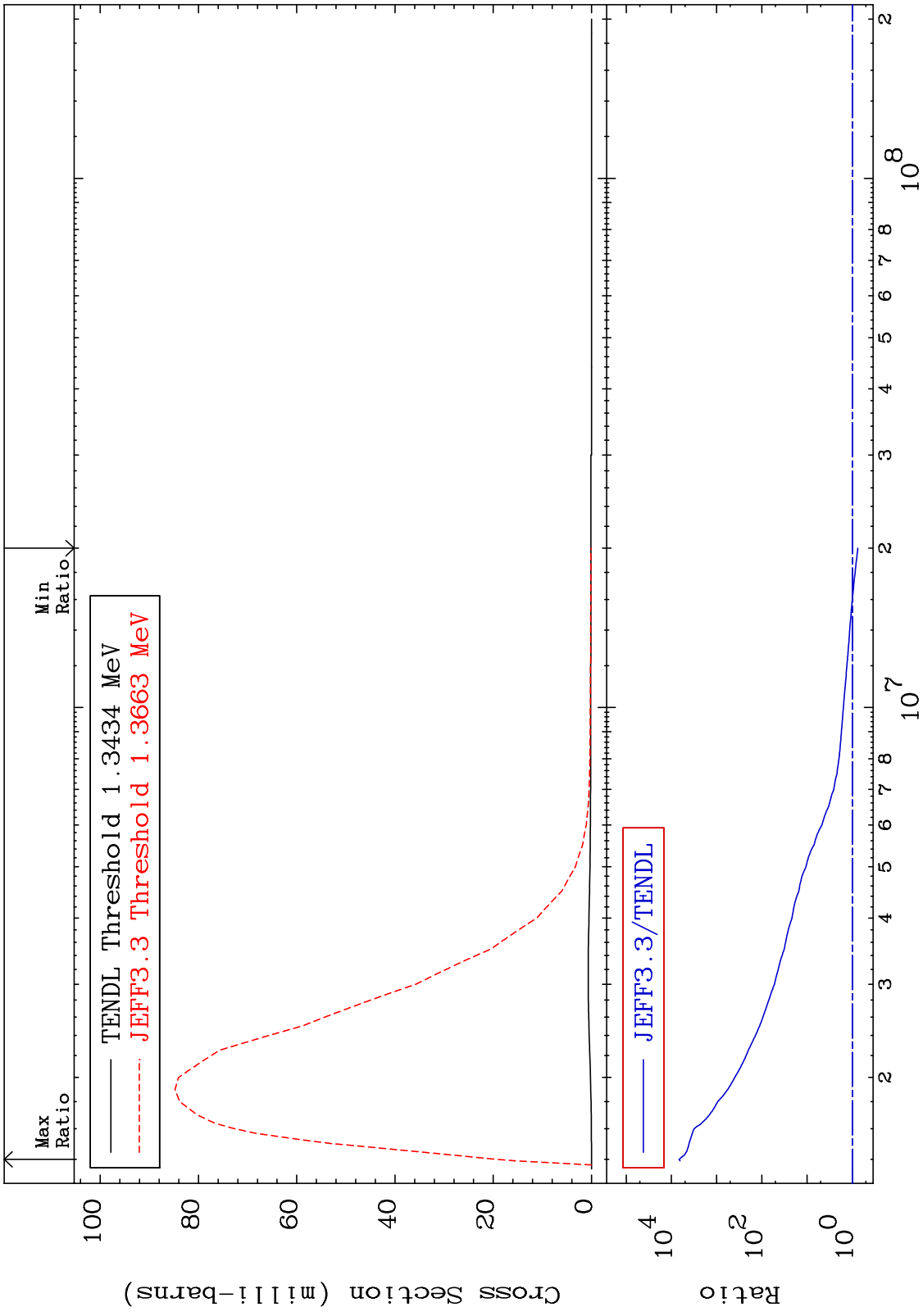
MAT 5046 MT= 62 (n,n') Level Cross Section 50-Sn-119 -99.05 To 9999. %



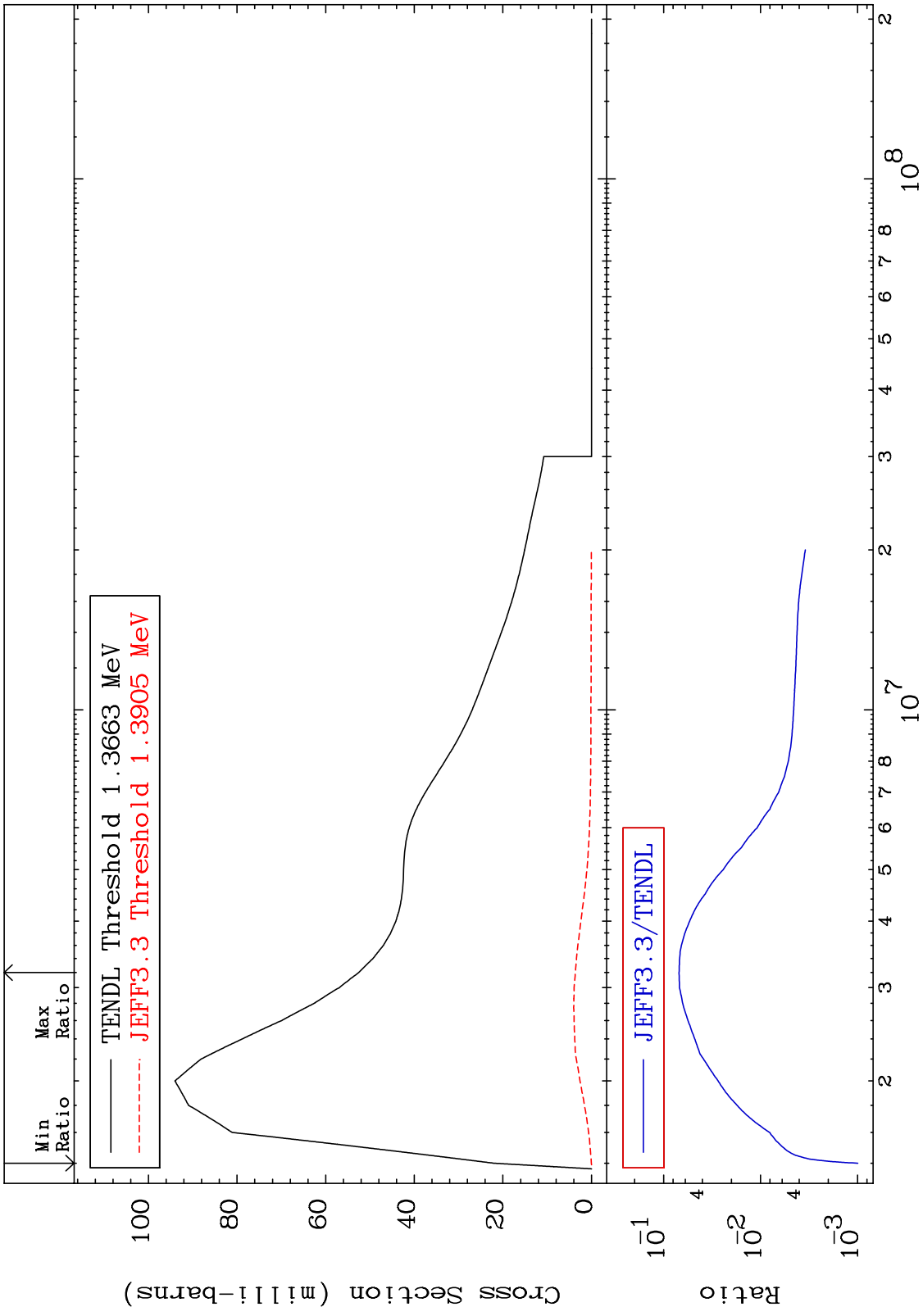
MAT 5046 MT= 63 (n,n') Level Cross Section 50-Sn-119
 -99.98 To 9999. %



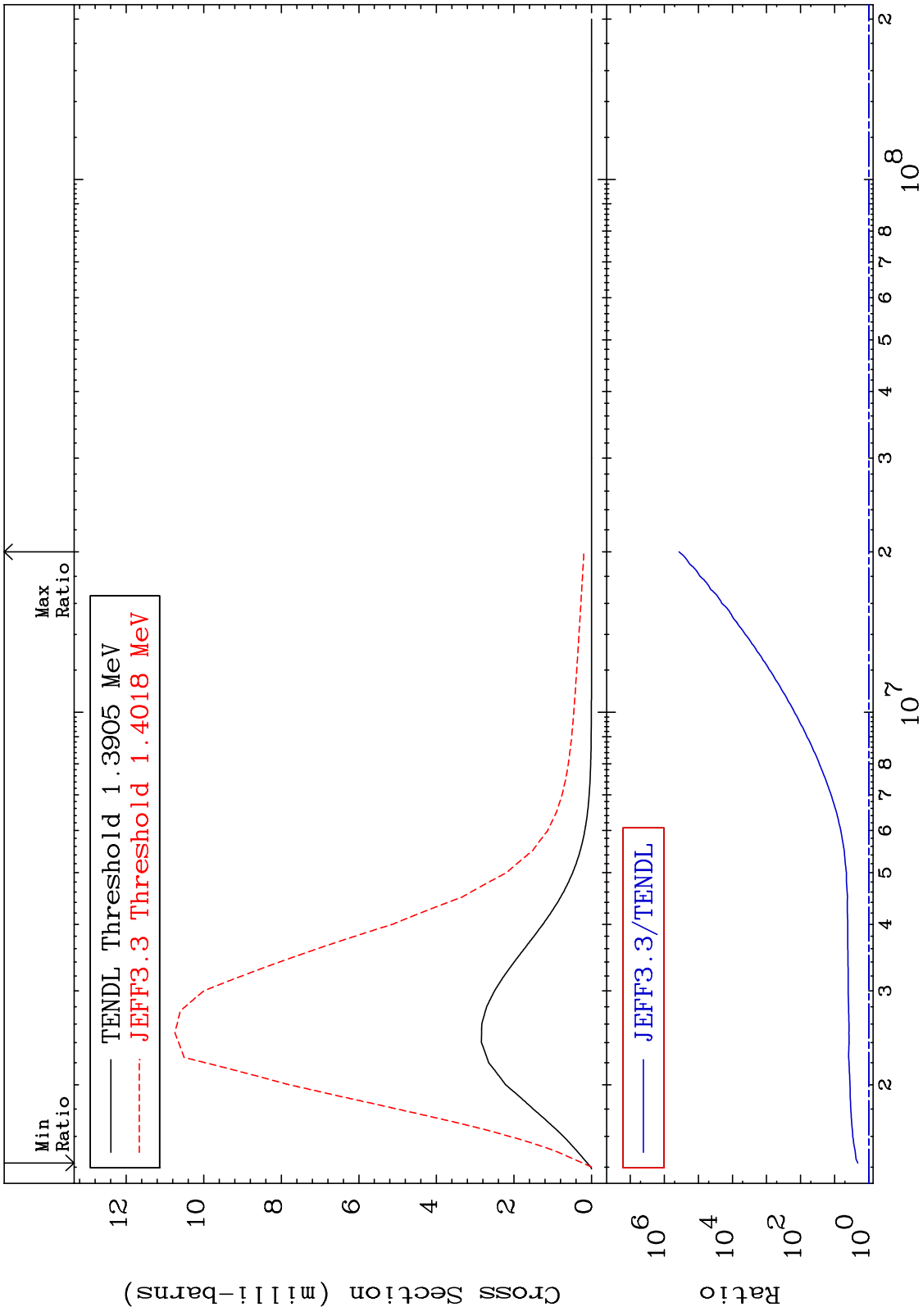
MAT 5046 MT= 64 (n,n') Level Cross Section 50-Sn-119
 -24.72 To 9999. %



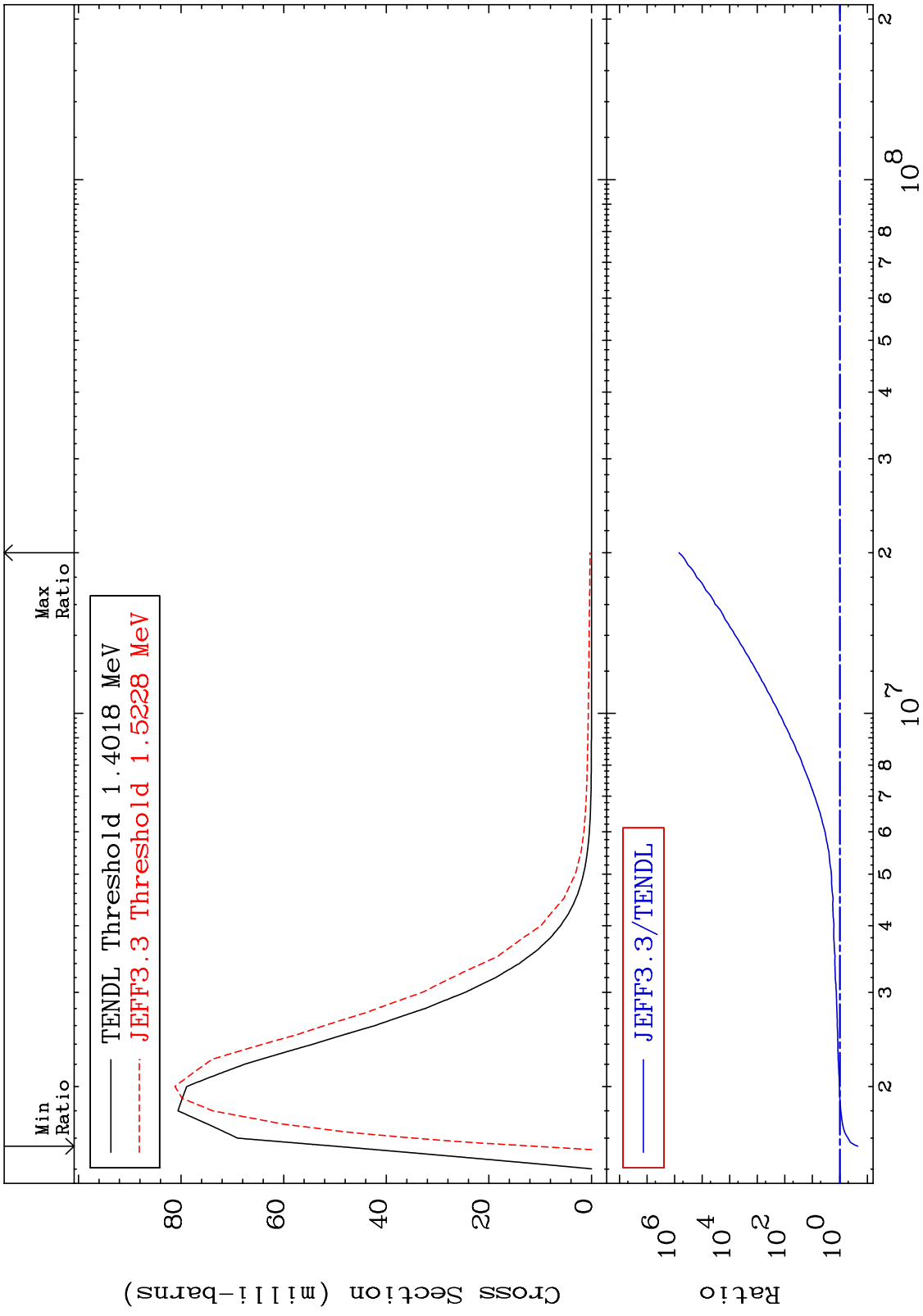
MAT 5046 MT= 65 (n,n') Level Cross Section 50-Sn-119 -99.90 To -93.05%



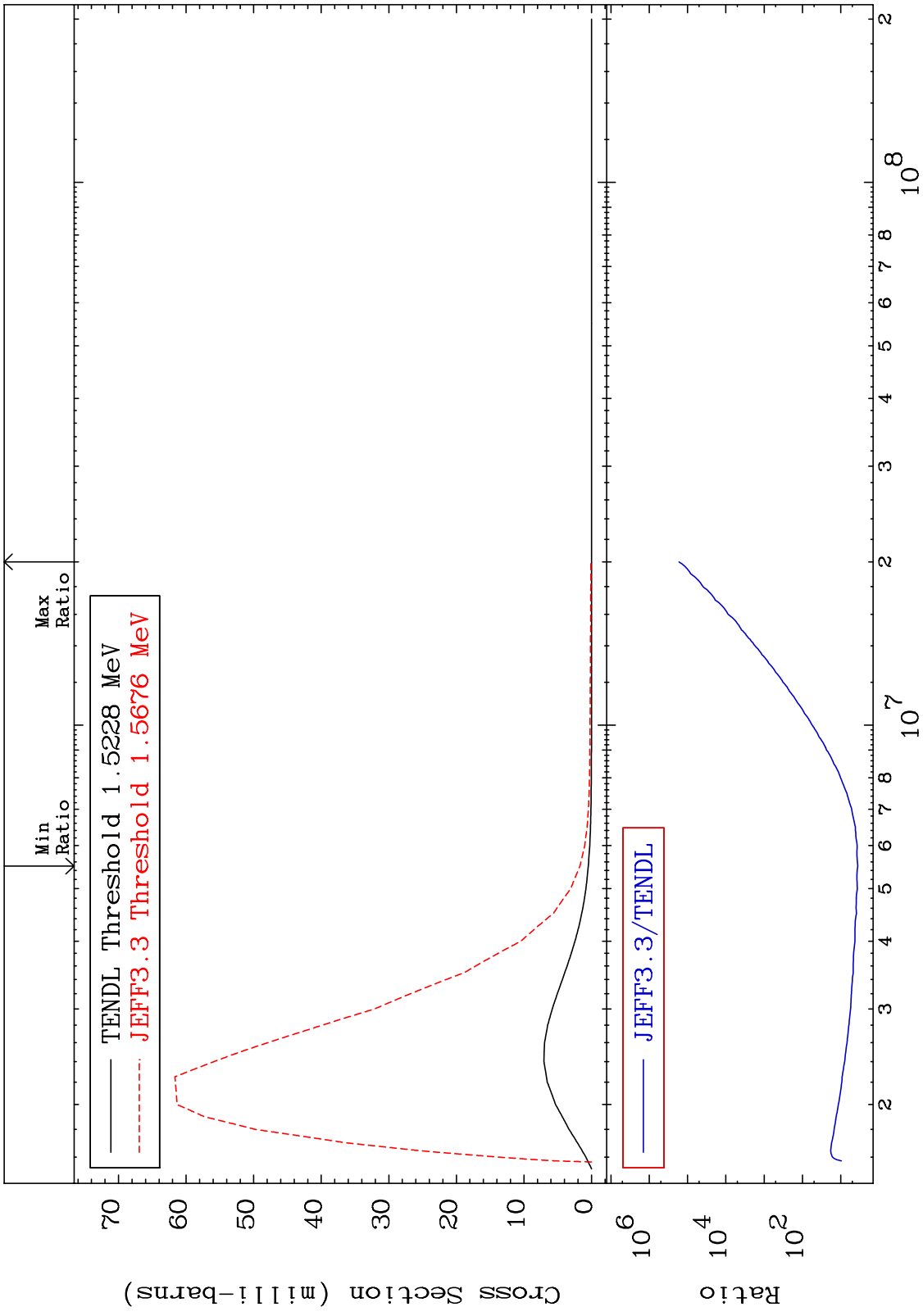
MAT 5046 MT= 66 (n,n') Level Cross Section 50-Sn-119 To 9999. %
 107.5



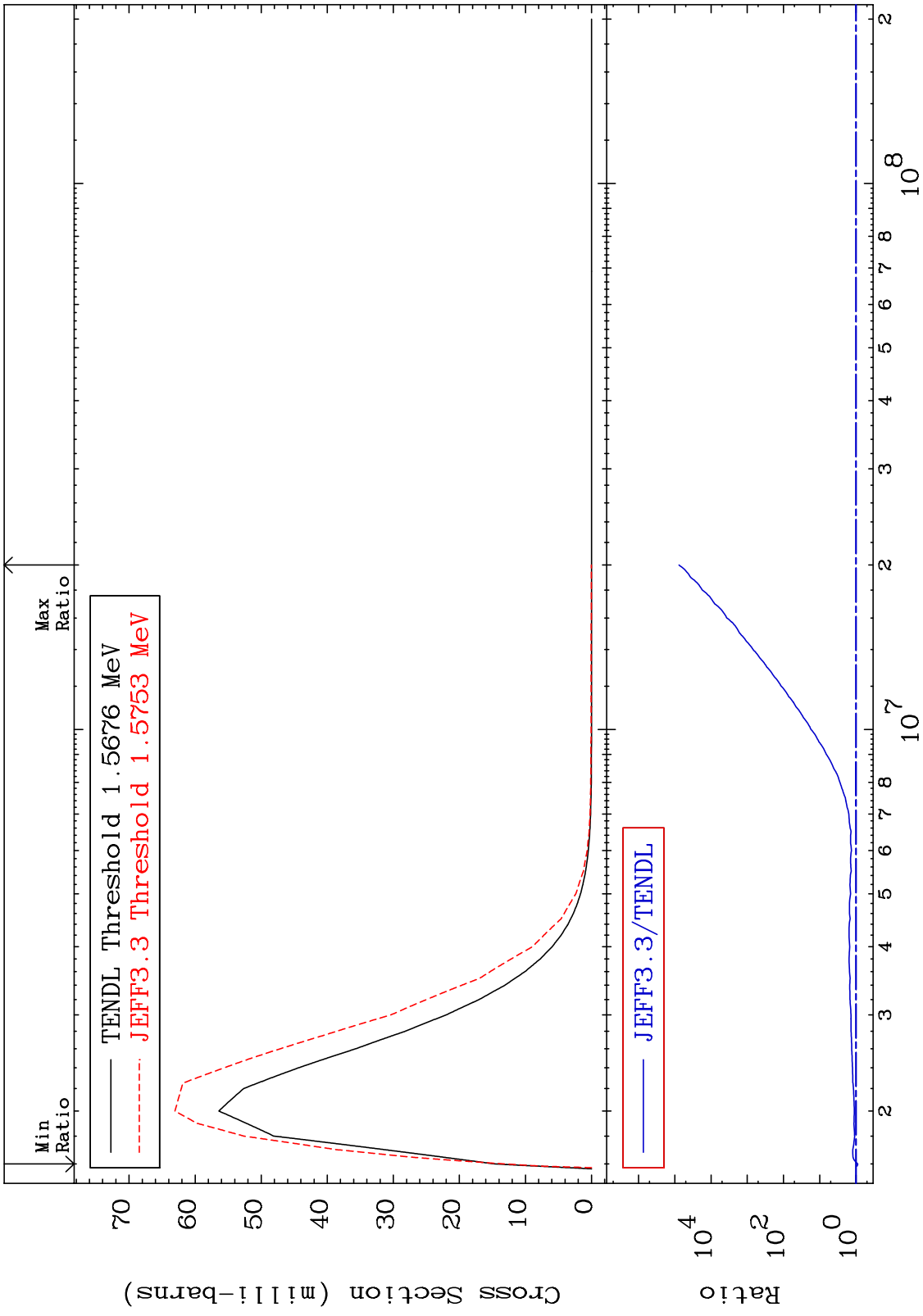
MAT 5046 MT= 67 (n,n') Level 50-Sn-119
 Cross Section -77.91 To 9999. %



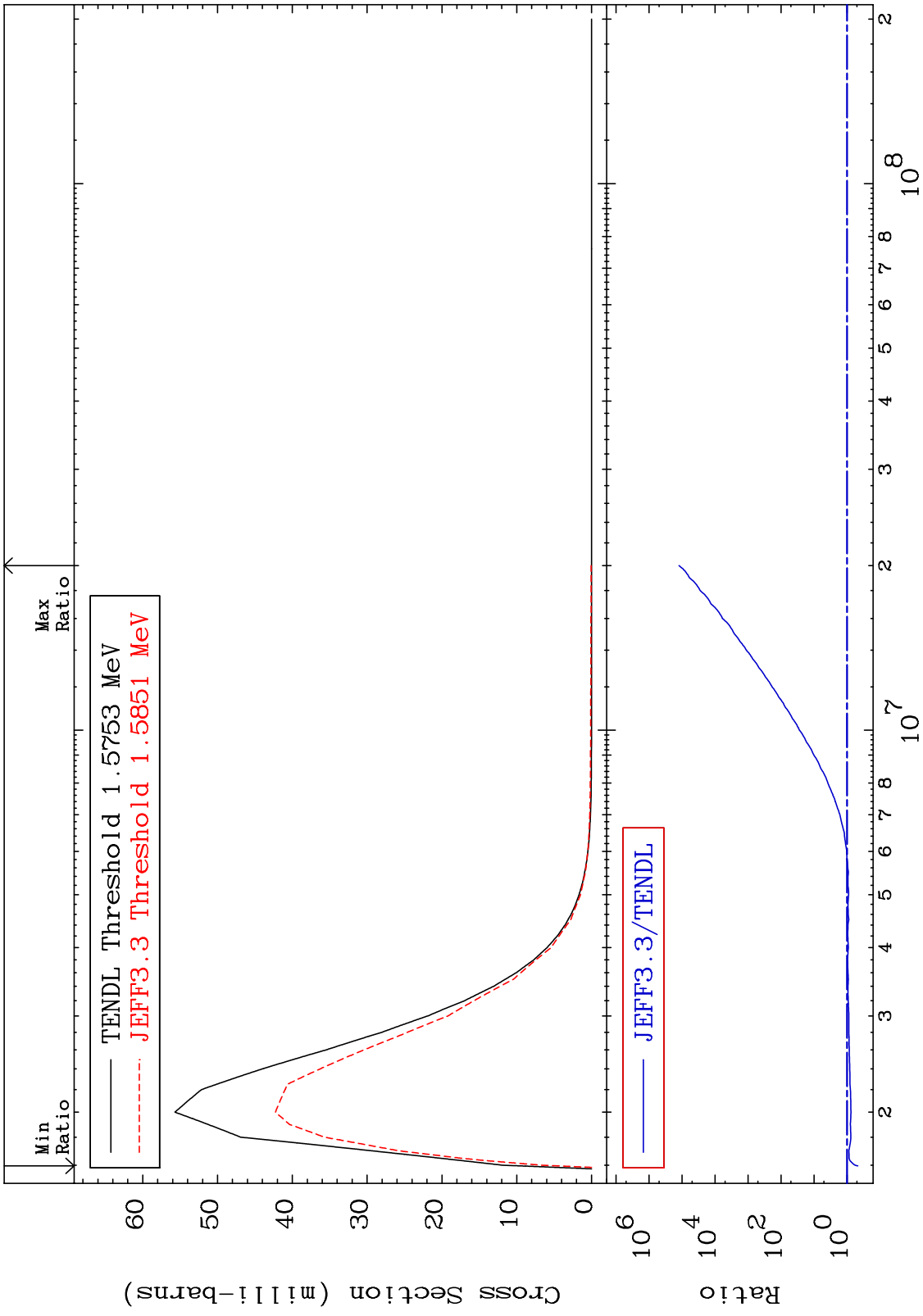
MAT 5046 MT= 68 (n,n') Level Cross Section 50-Sn-119
 259.0 To 9999. %



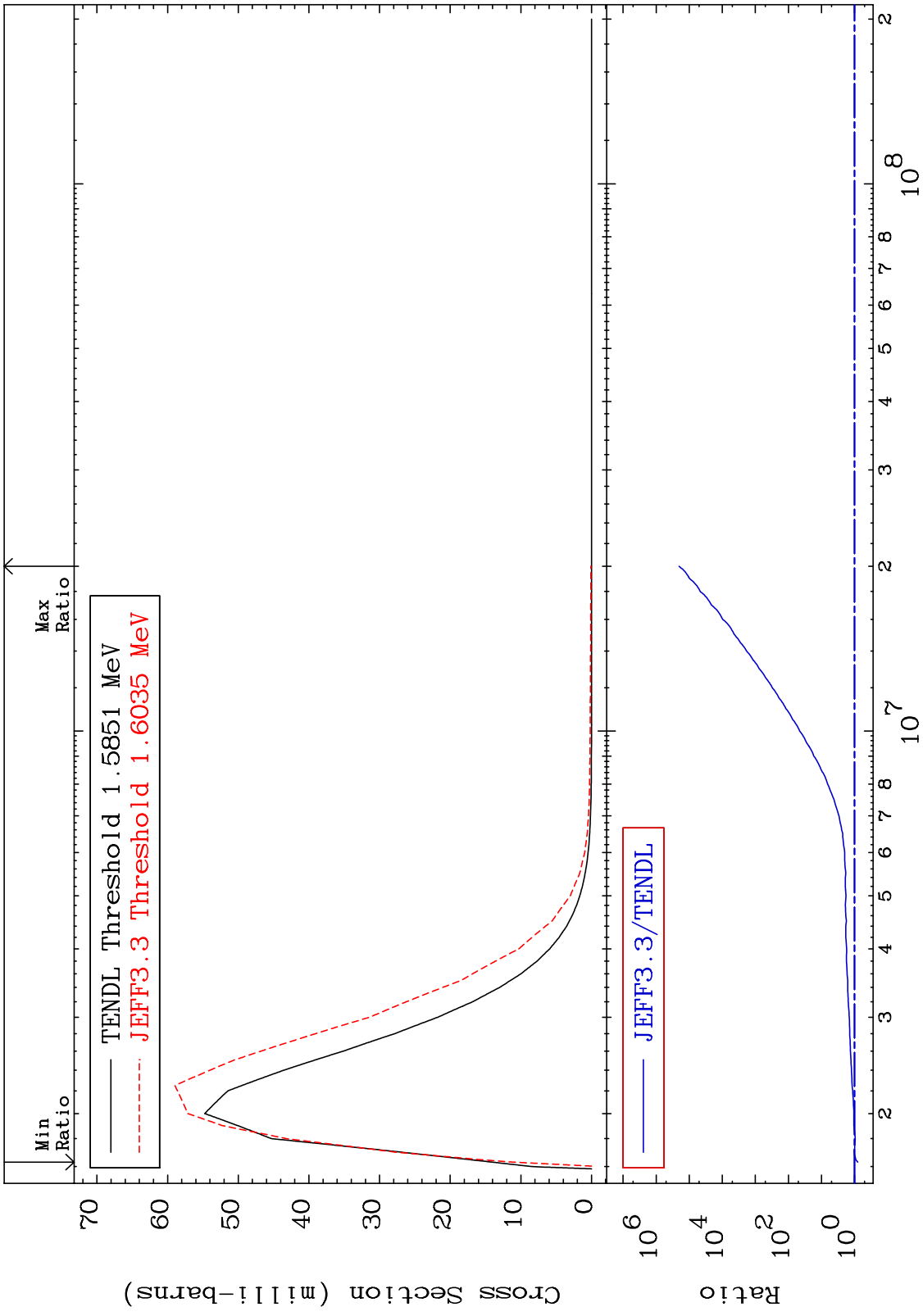
MAT 5046 MT= 69 (n,n') Level Cross Section 50-Sn-119
 -10.72 To 9999. %



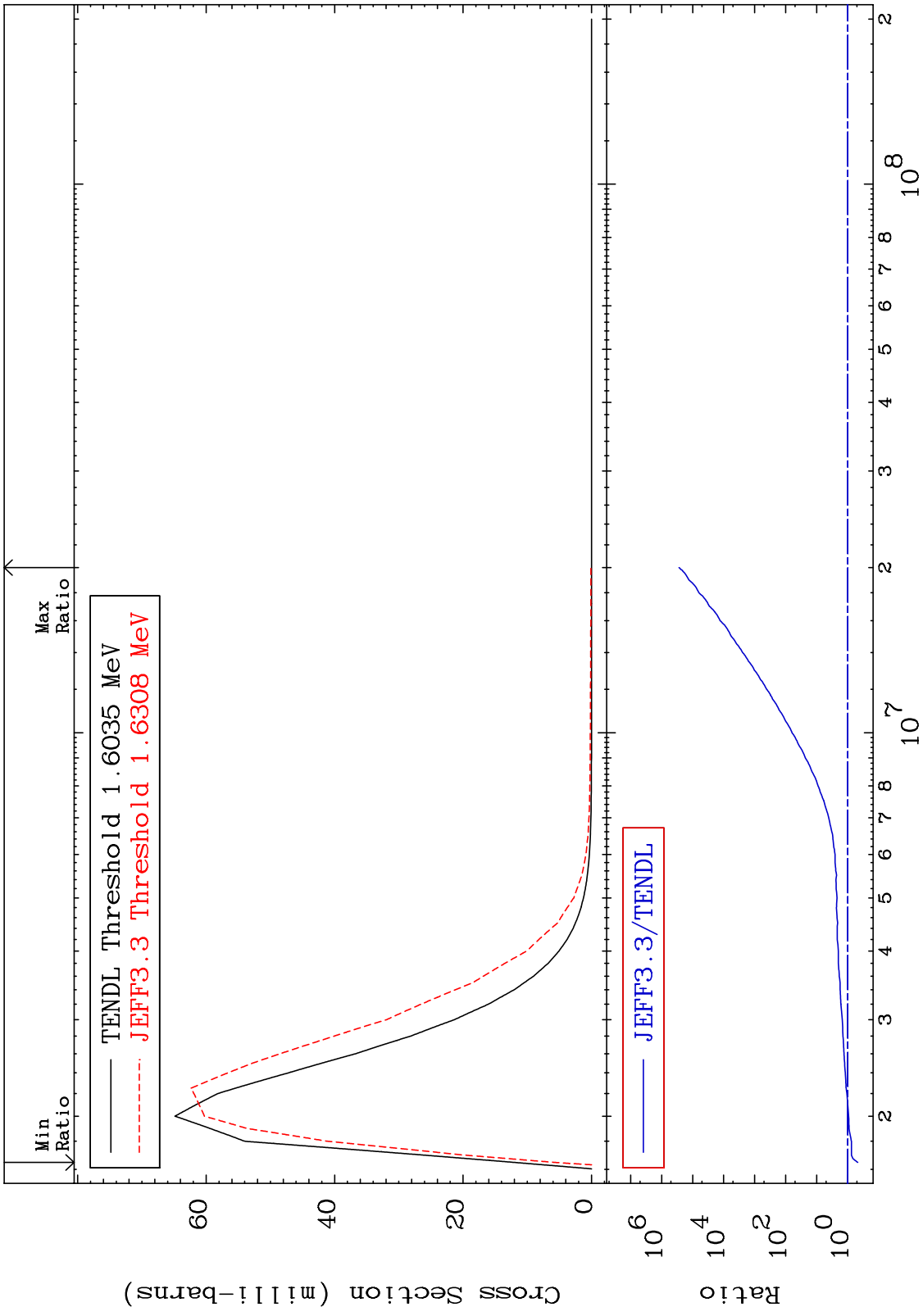
MAT 5046 MT= 70 (n,n') Level Cross Section 50-Sn-119
 -53.12 To 9999. %



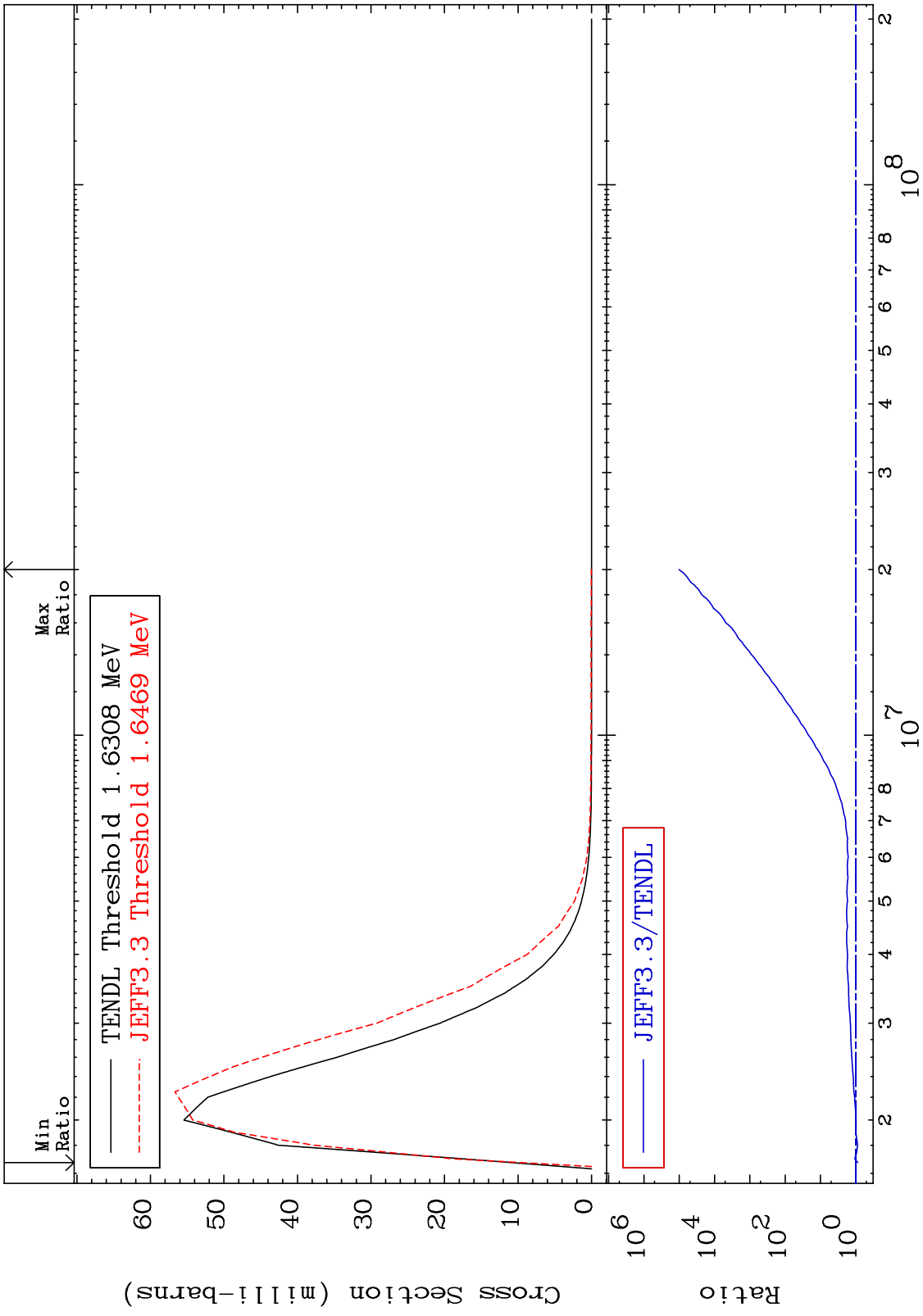
MAT 5046 MT= 71 (n,n') Level Cross Section 50-Sn-119
 -20.36 To 9999. %



MAT 5046 MT= 72 (n,n') Level Cross Section 50-Sn-119
 -52.95 To 9999. %



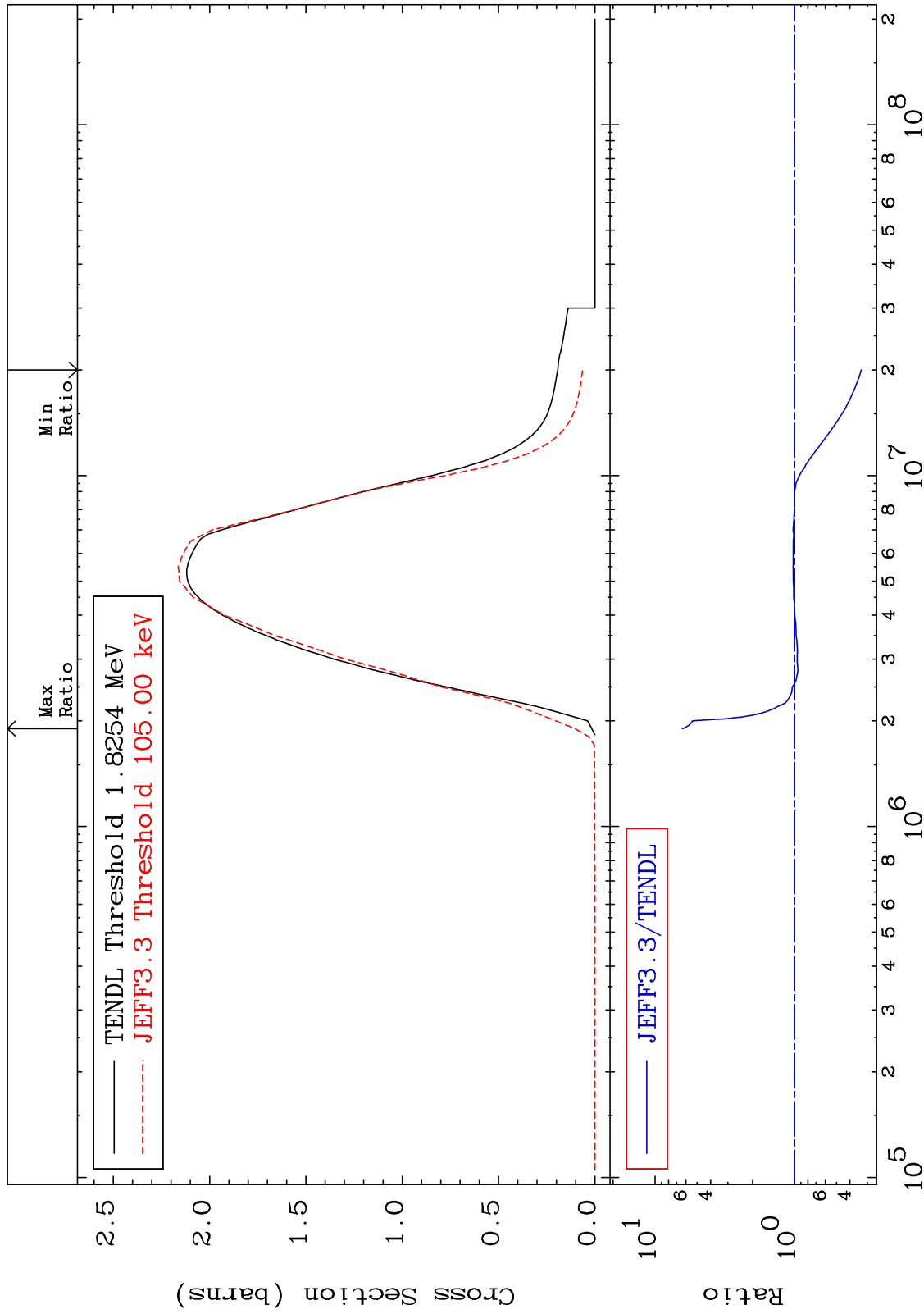
MAT 5046 MT= 73 (n,n') Level Cross Section 50-Sn-119
 -12.70 To 9999. %



MAT 5046

(n, n') Continuum
Cross Section

50-Sn-119
-66.83 To 535.7 %



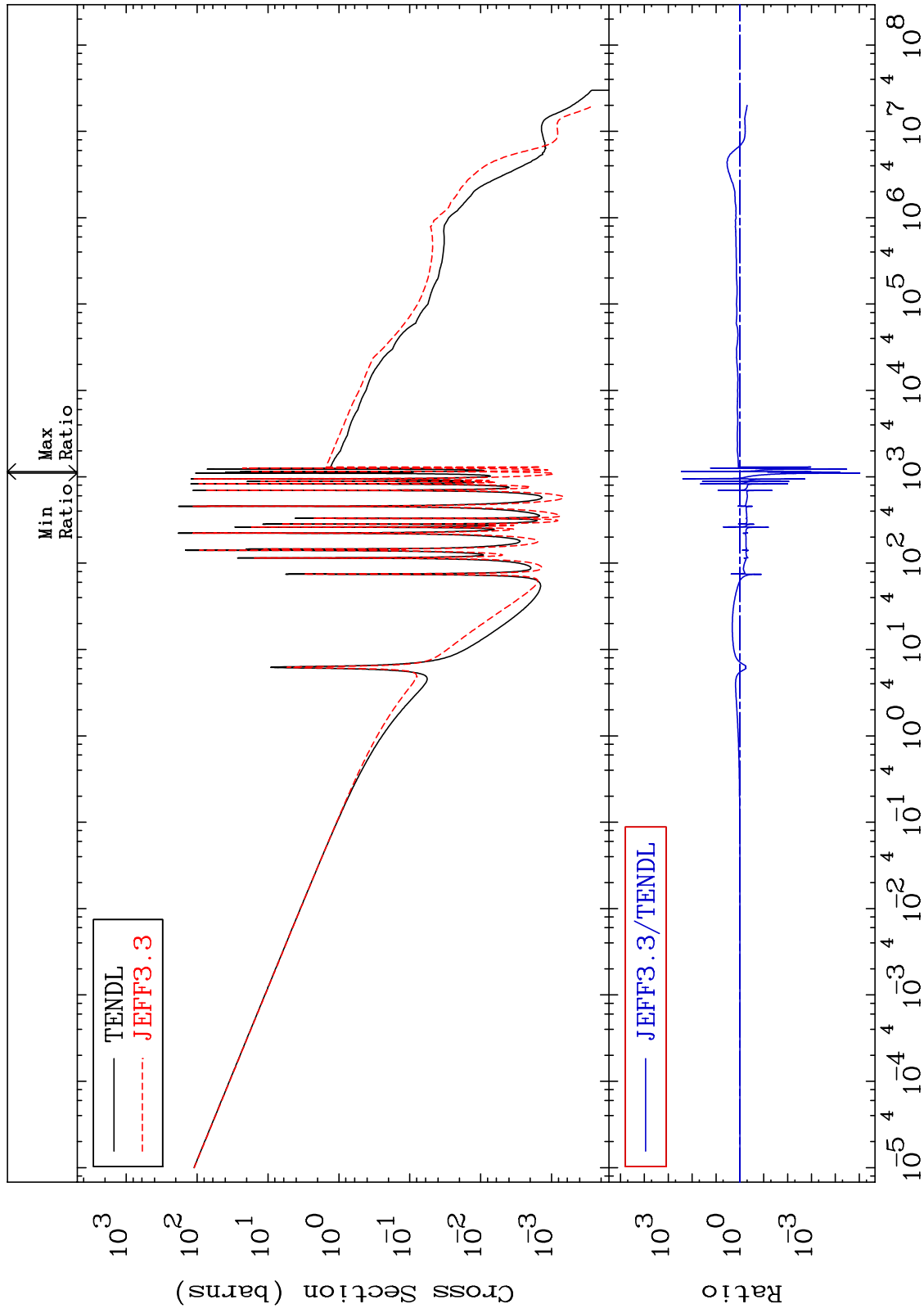
32

50-Sn-119

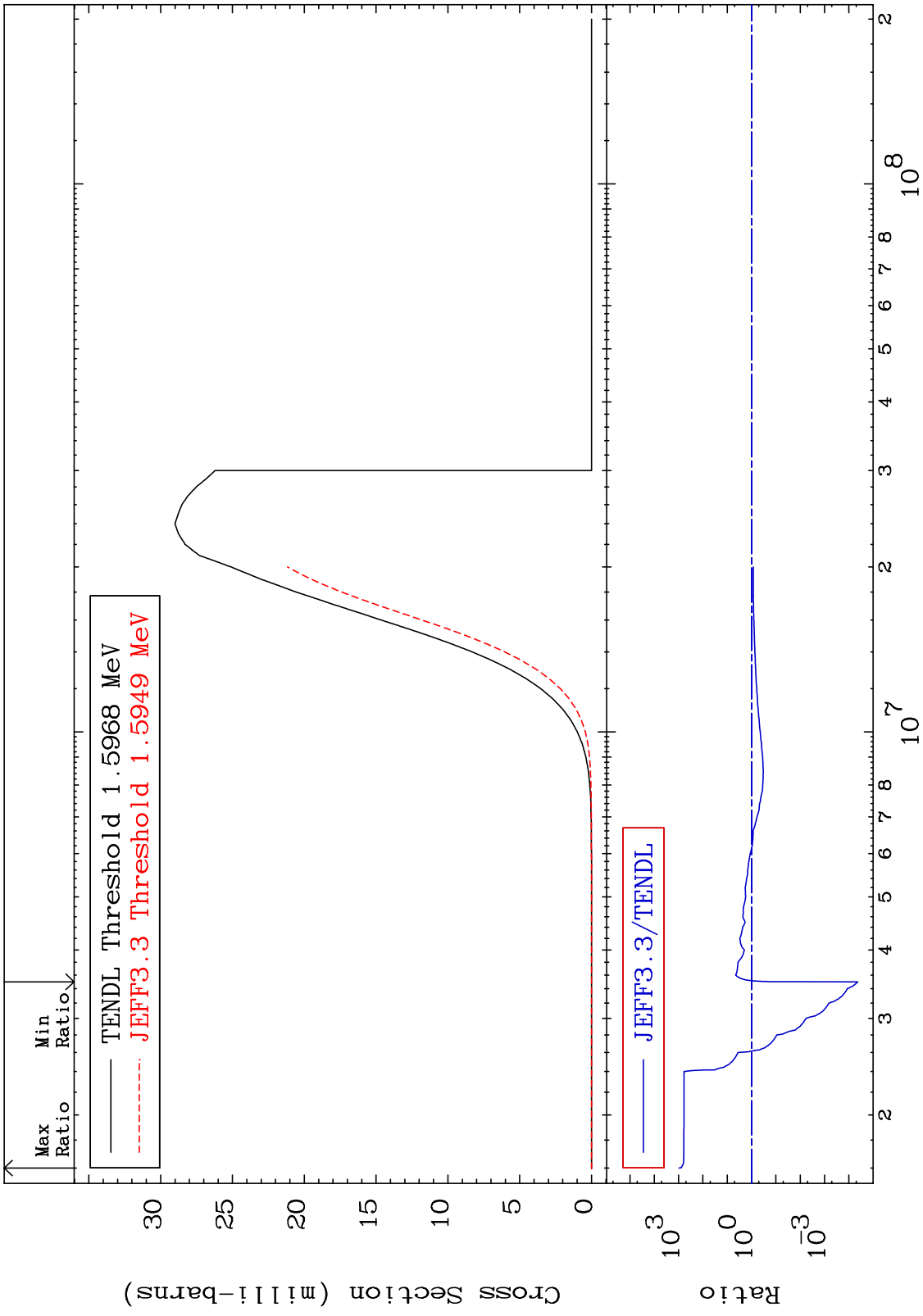
MAT 5046

(n, γ)
Cross Section

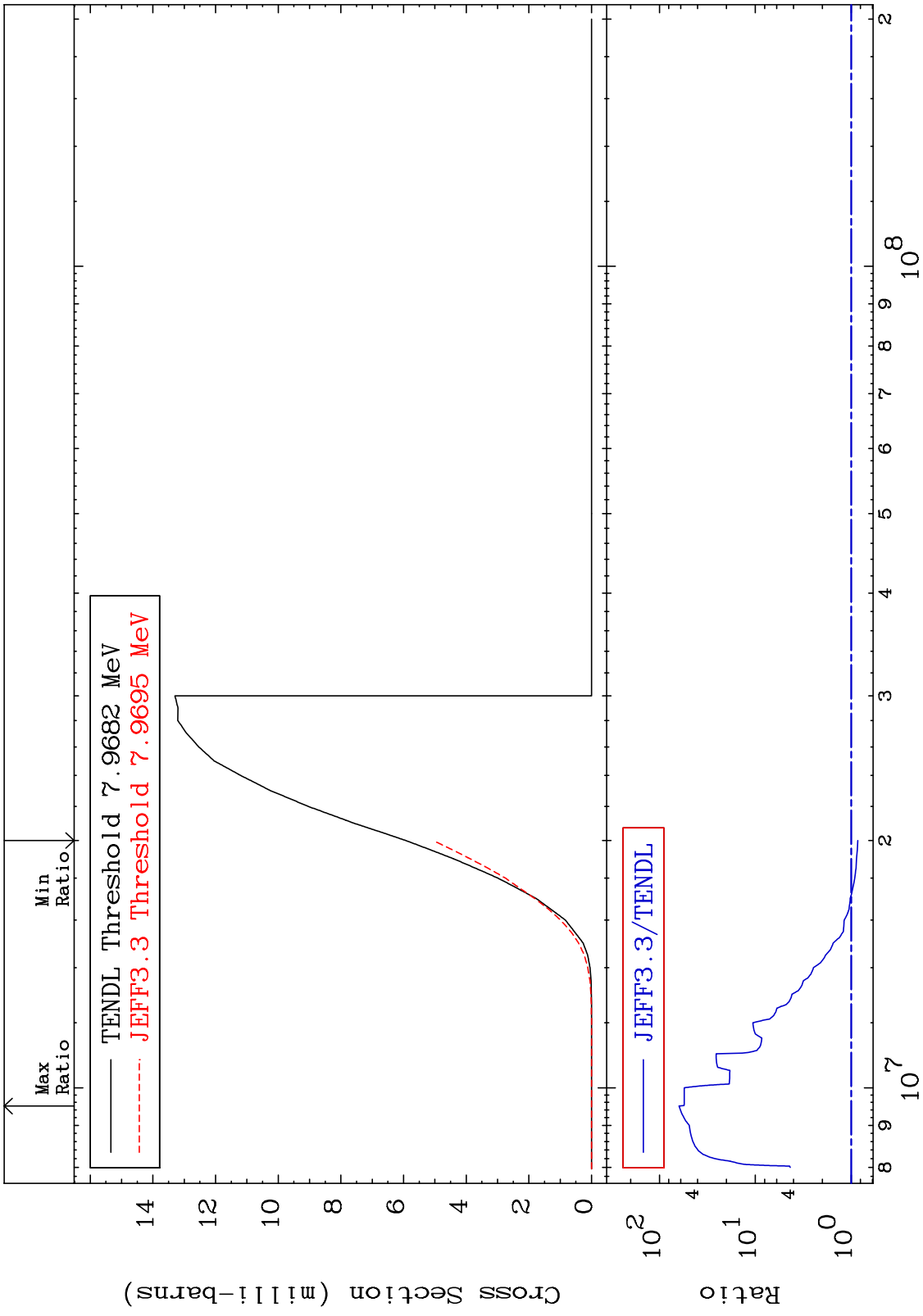
50-Sn-119
-100.0 To 9999. %

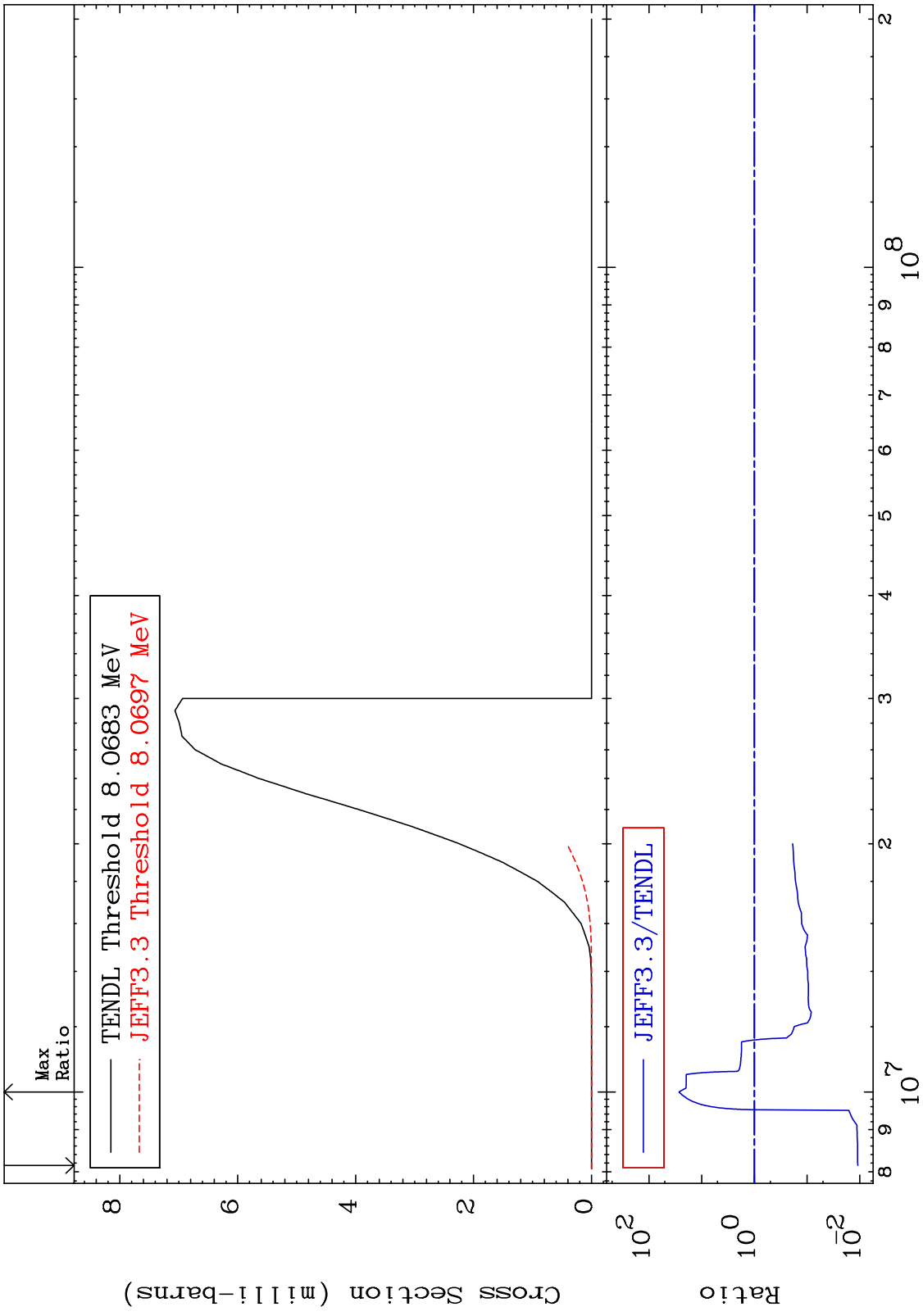


MAT 5046 (n,p) 50-Sn-119
 Cross Section -100.0 To 9999. %

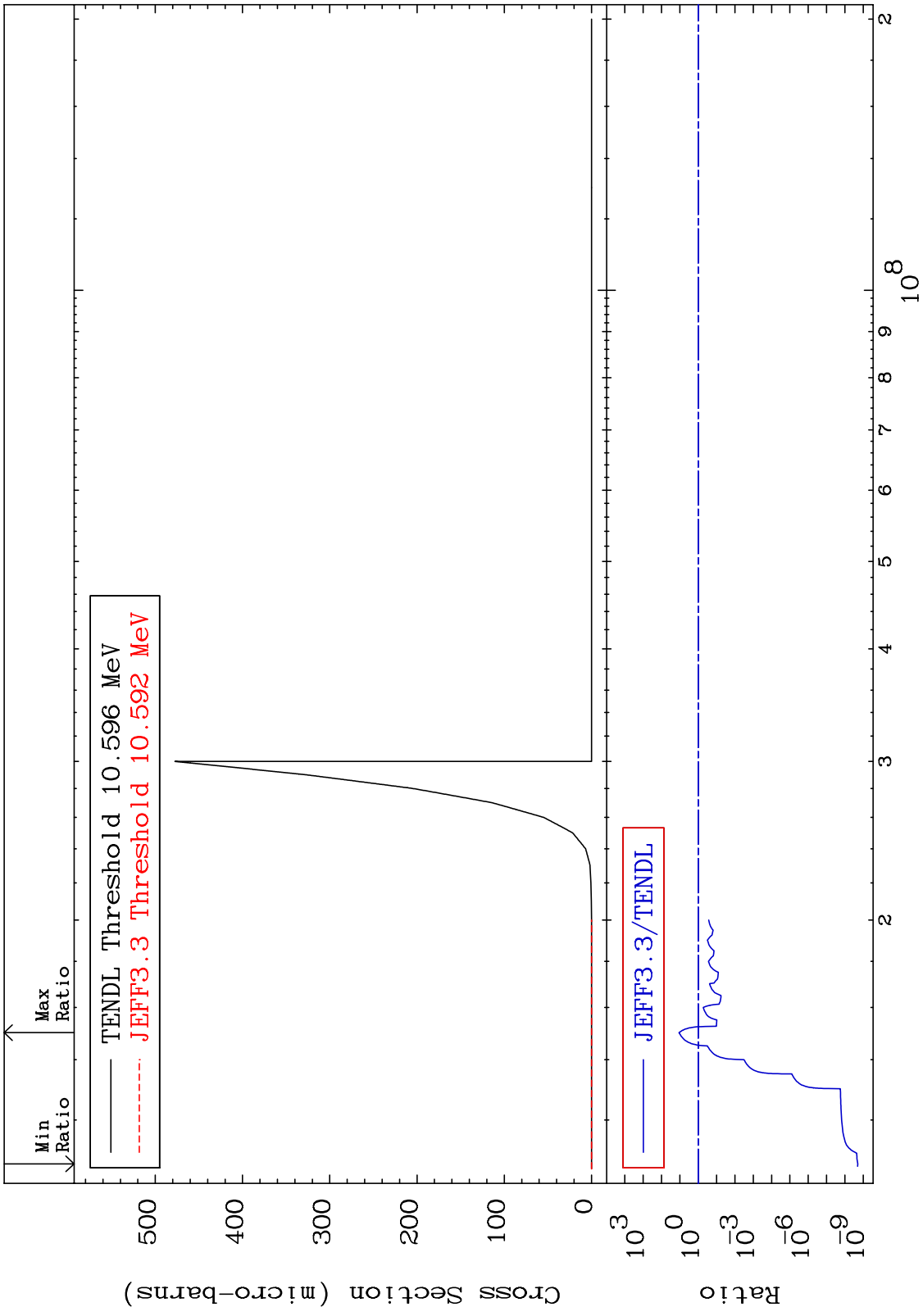


MAT 5046 (n,d) 50-Sn-119
 Cross Section -14.74 To 6150. %

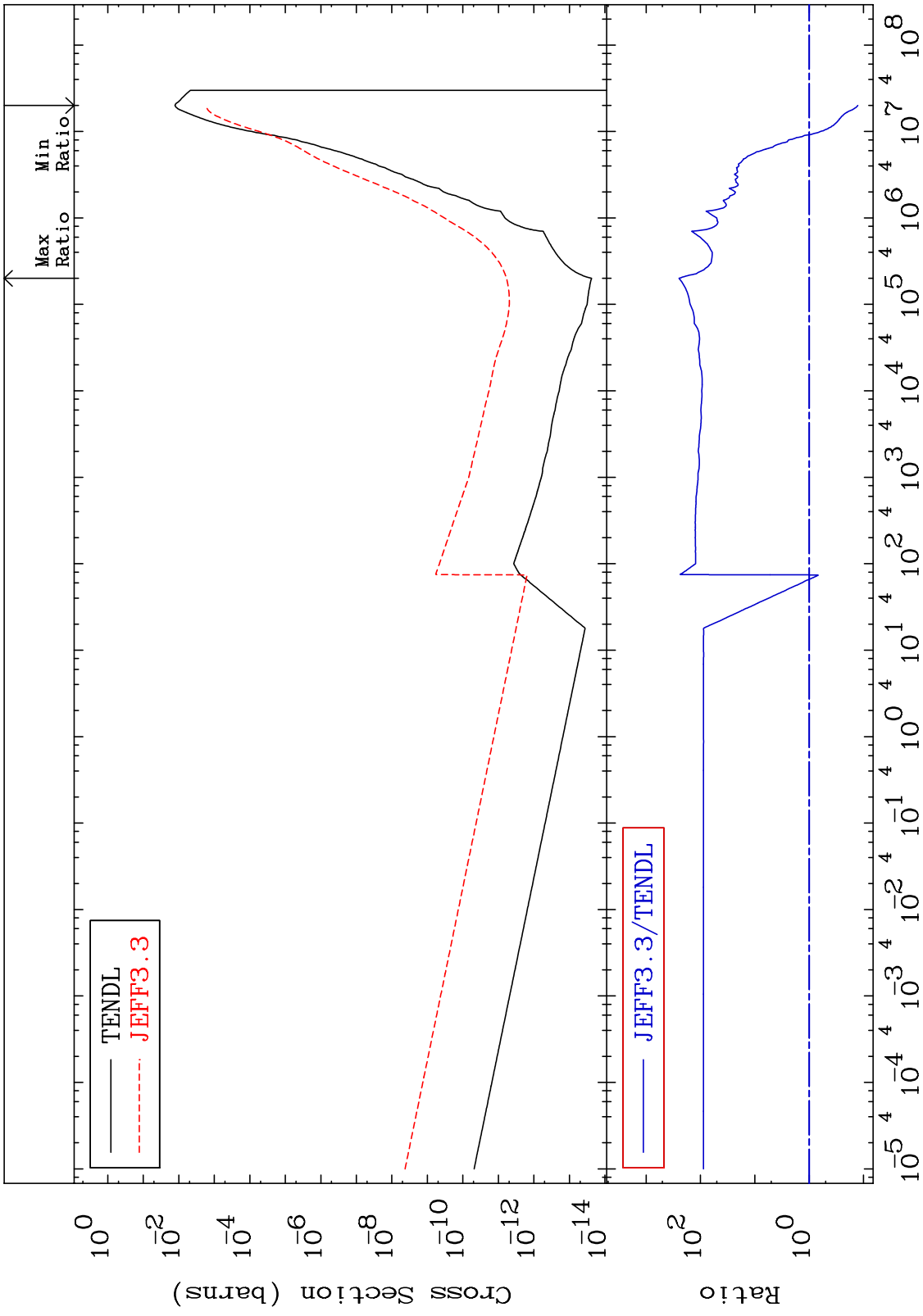


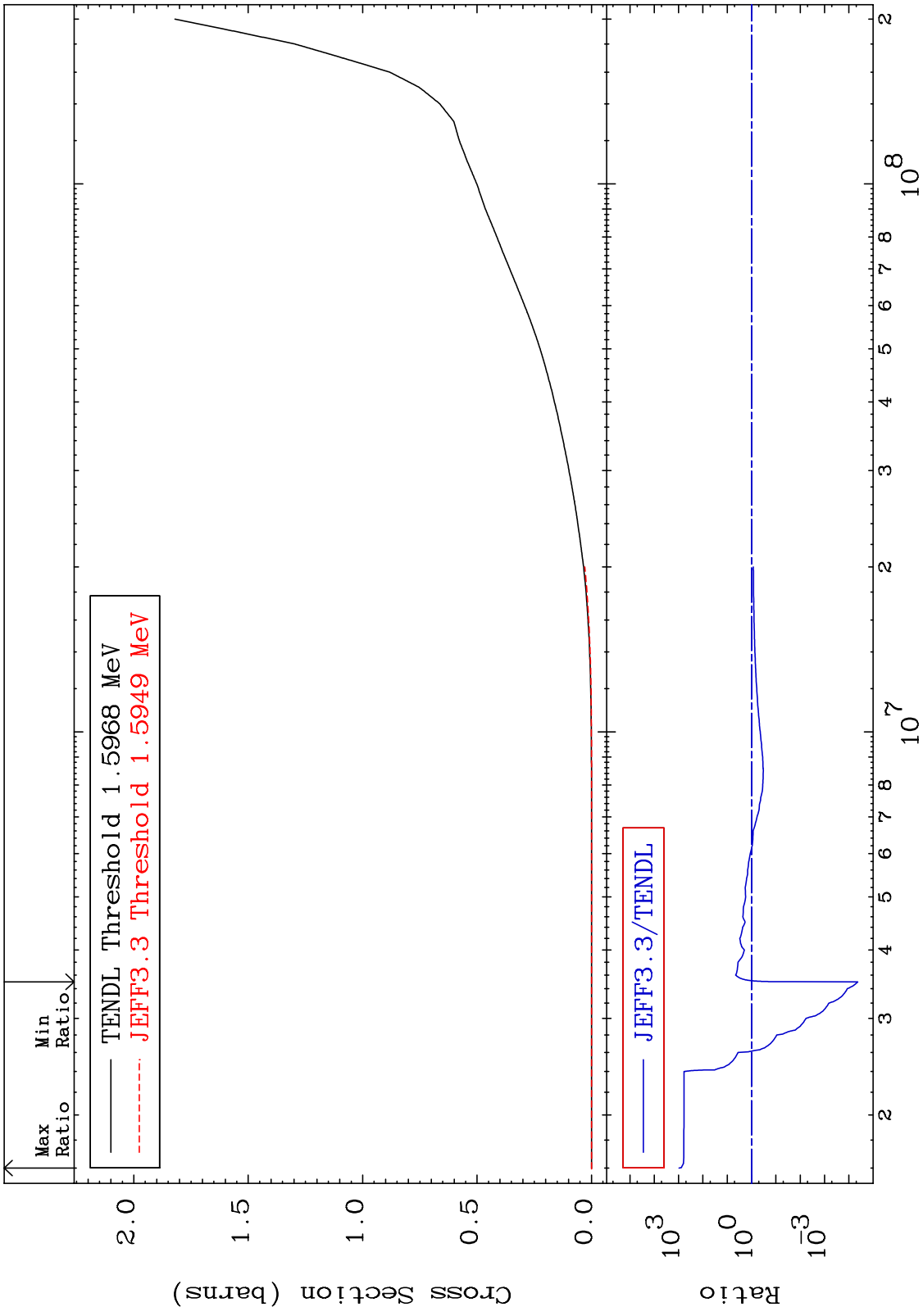


MAT 5046 (n, He-3) 50-Sn-119
 Cross Section -100.0 To 999.9 %



MAT 5046 (n, α) Cross Section 50-Sn-119 -87.26 To 9999. %

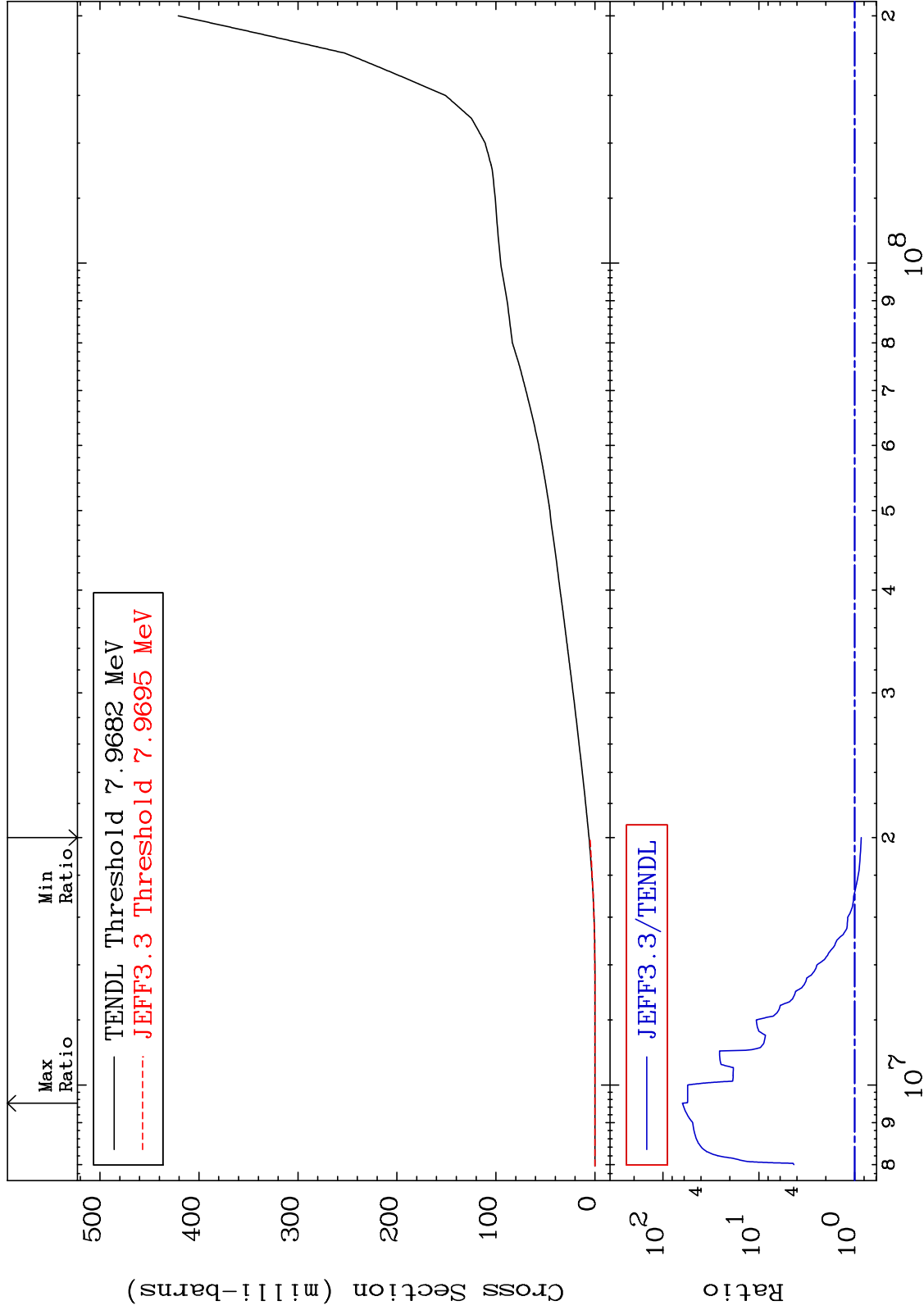




MAT 5046

Deuterium Production
Cross Section

50-Sn-119
-14.48 To 6150. %

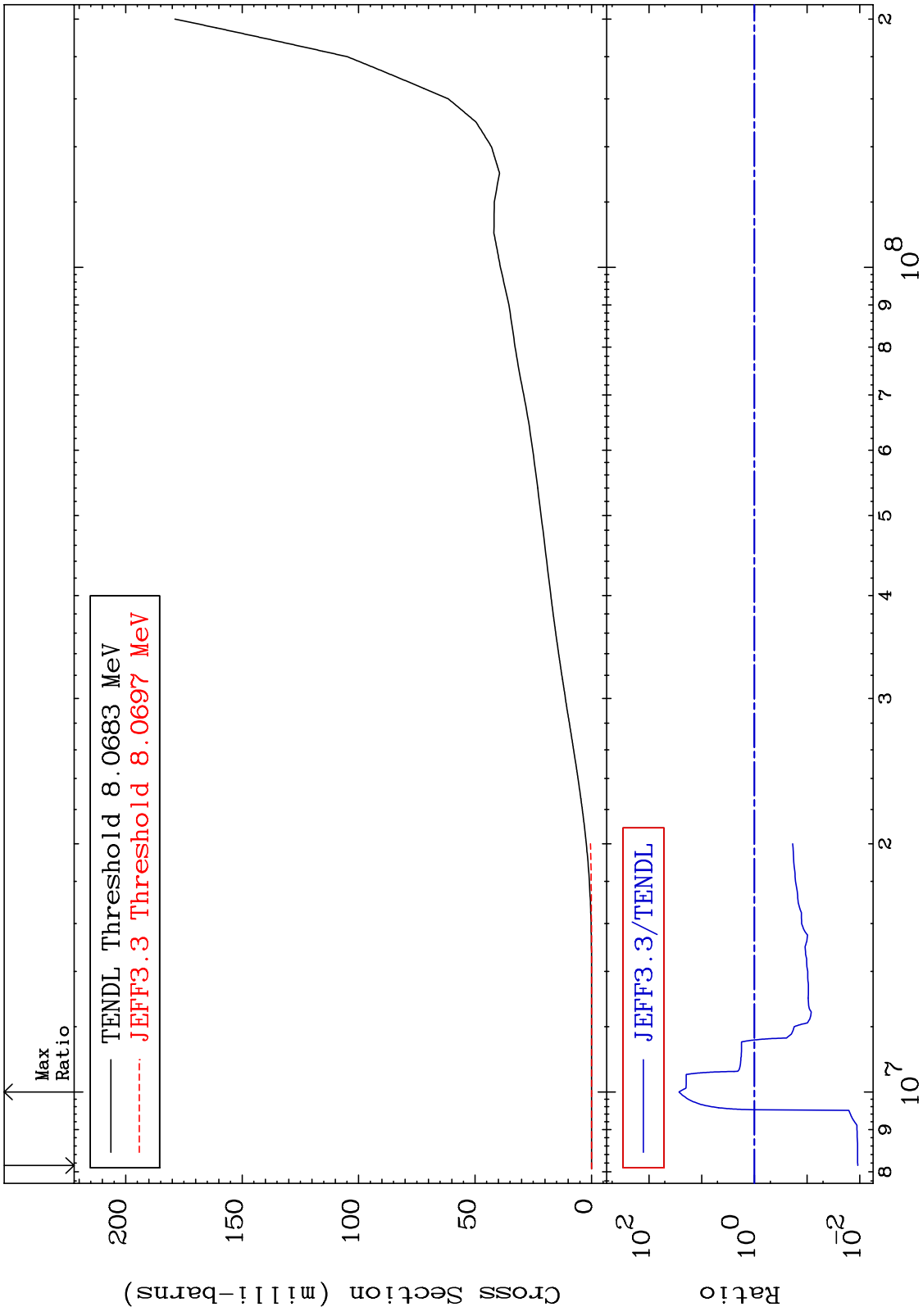


40

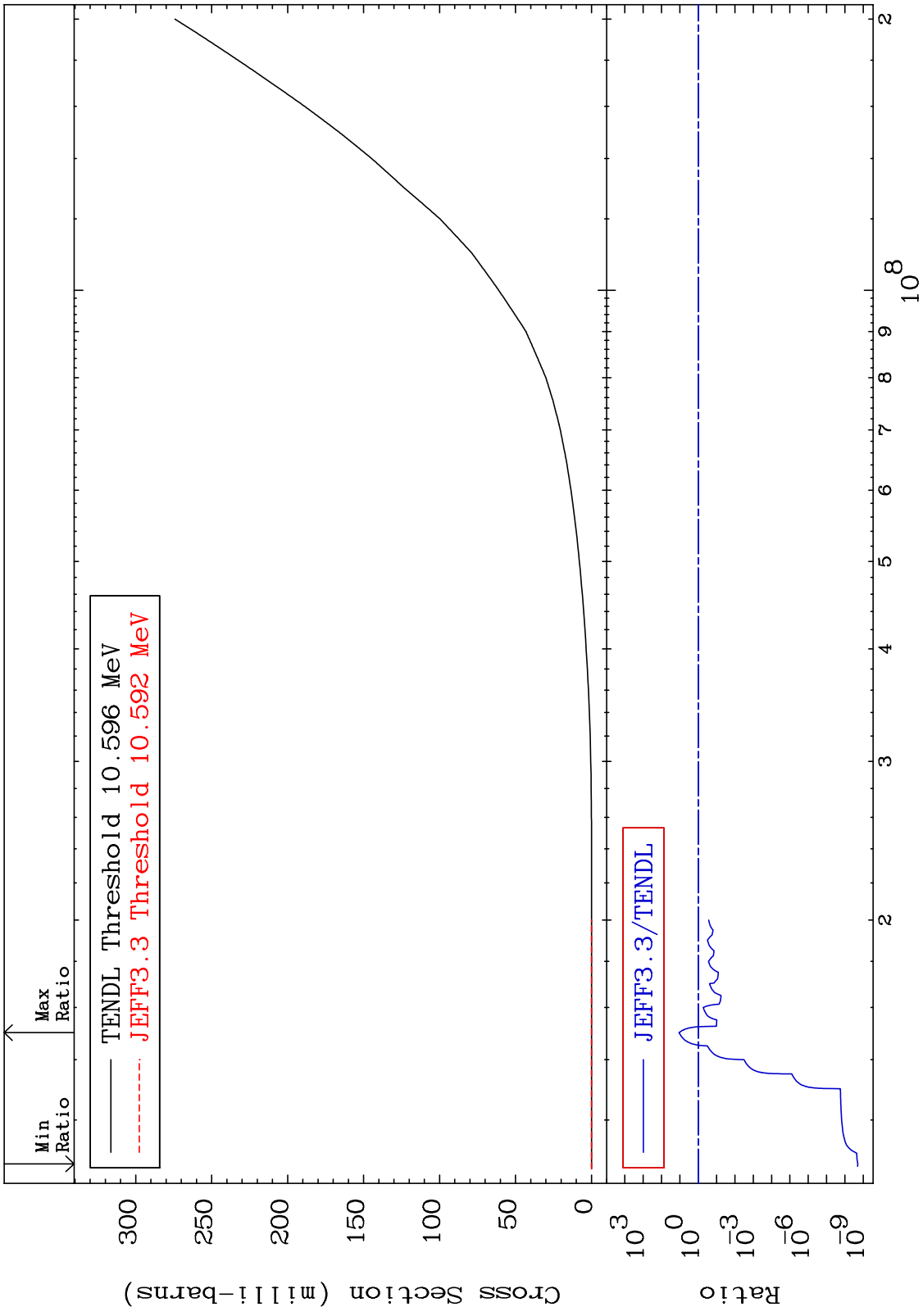
Incident Energy (eV)

50-Sn-119

MAT 5046 Tritium Production Cross Section 50-Sn-119 -98.91 To 2591. %



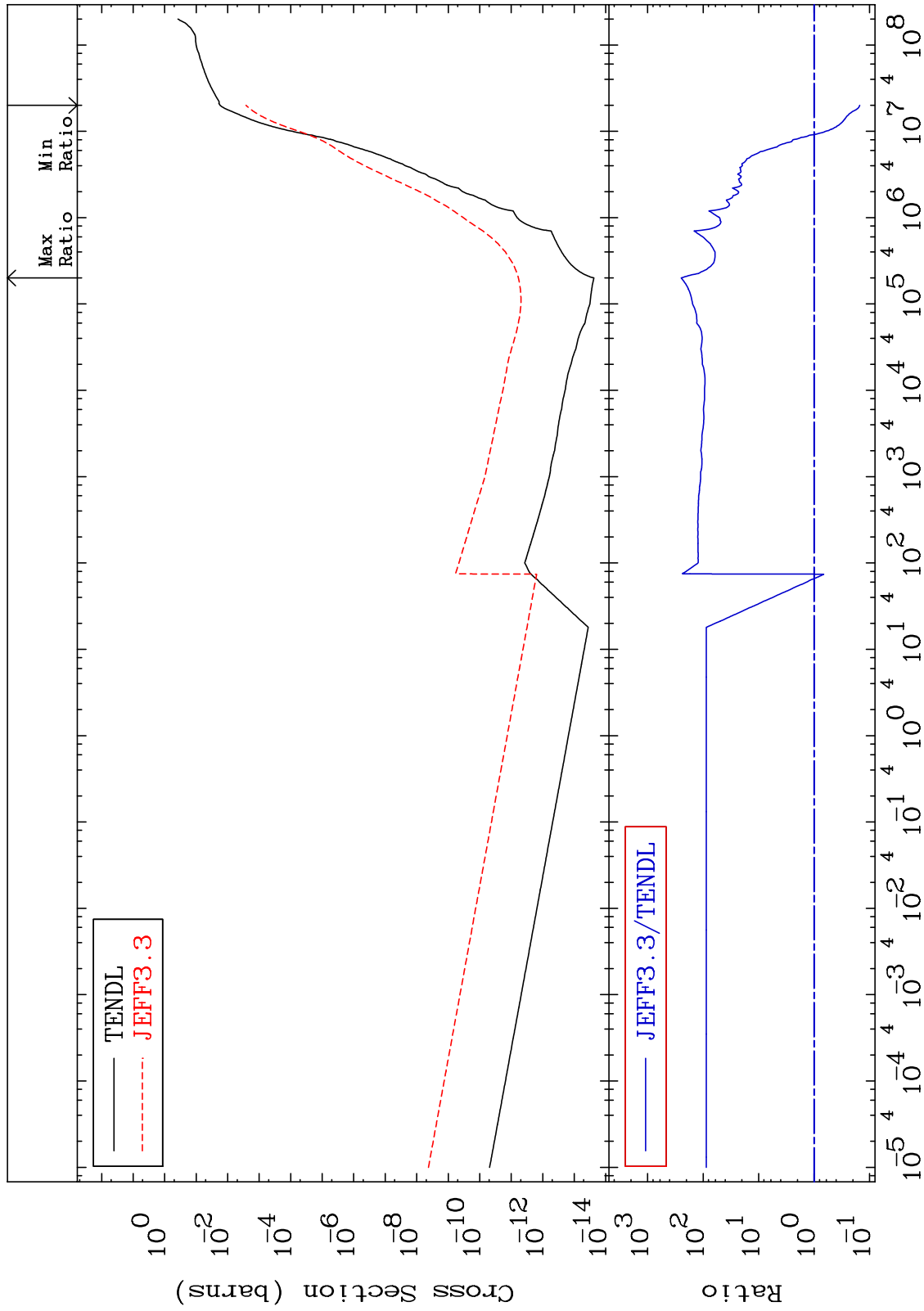
41 50-Sn-119 Incident Energy (eV)



MAT 5046

He-4 Production
Cross Section

50-Sn-119
-84.95 To 9999. %



43

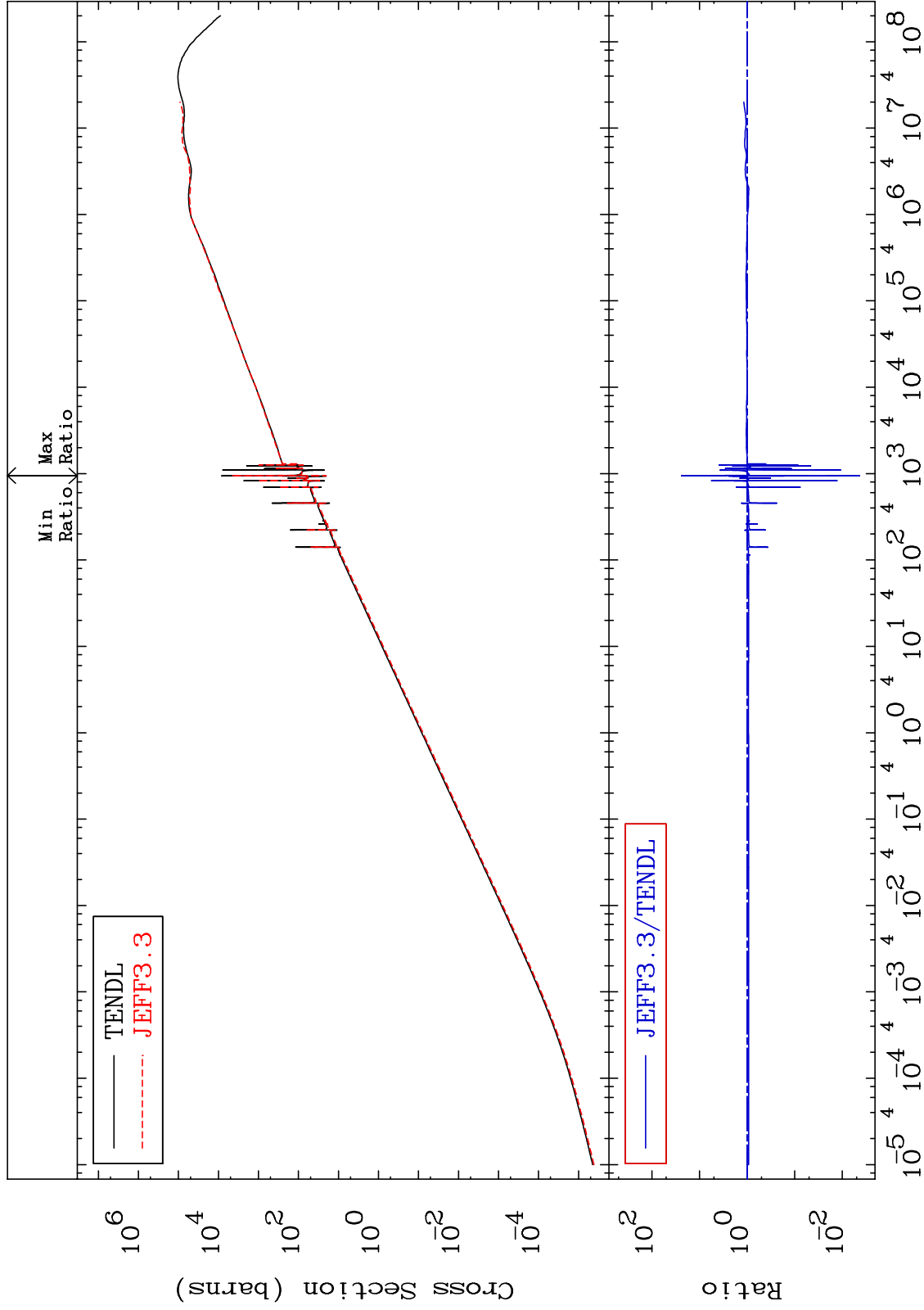
Incident Energy (eV)

50-Sn-119

MAT 5046

Kerma elastic
Cross Section

50-Sn-119
-99.57 To 2318. %

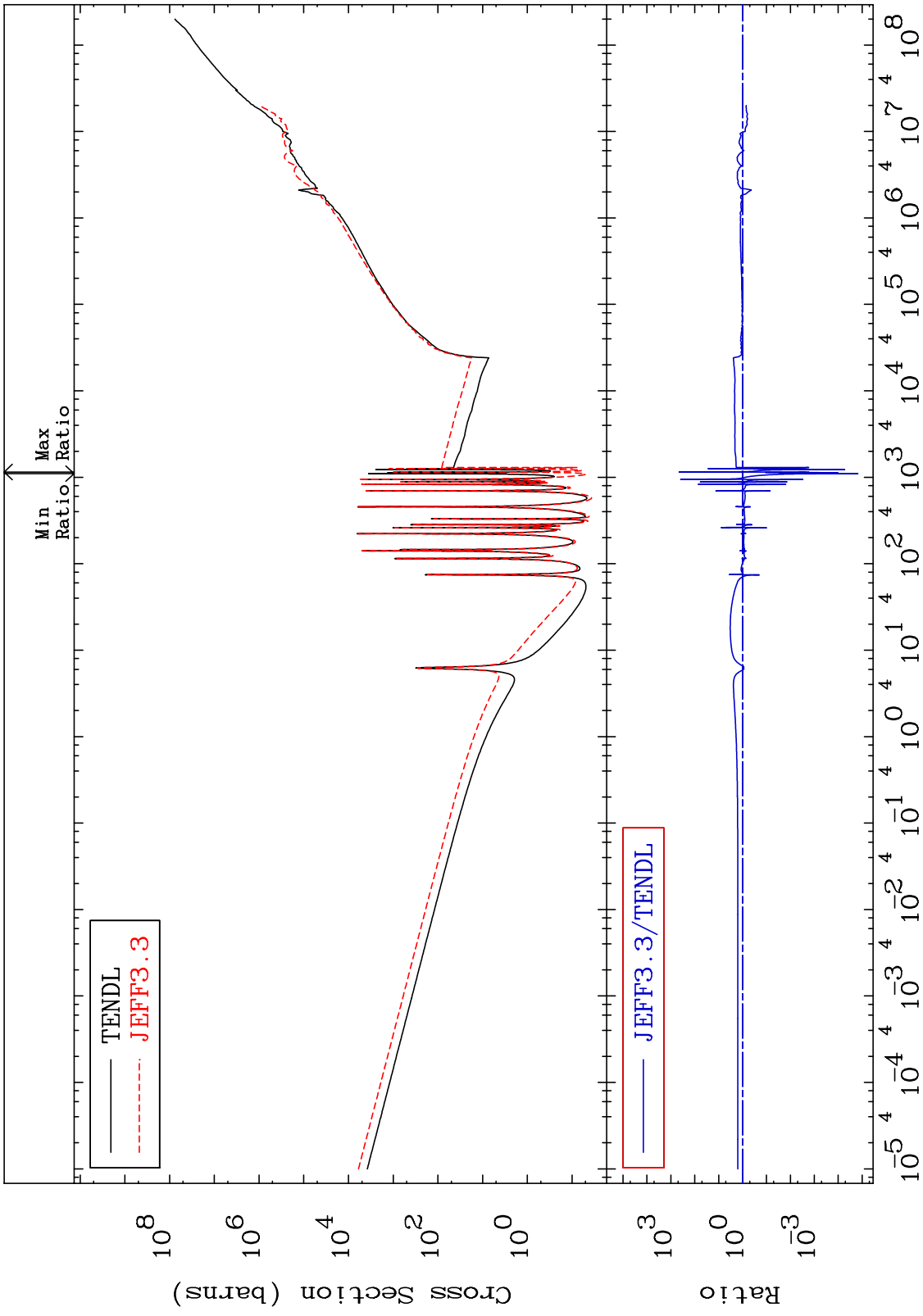


45

Incident Energy (eV)

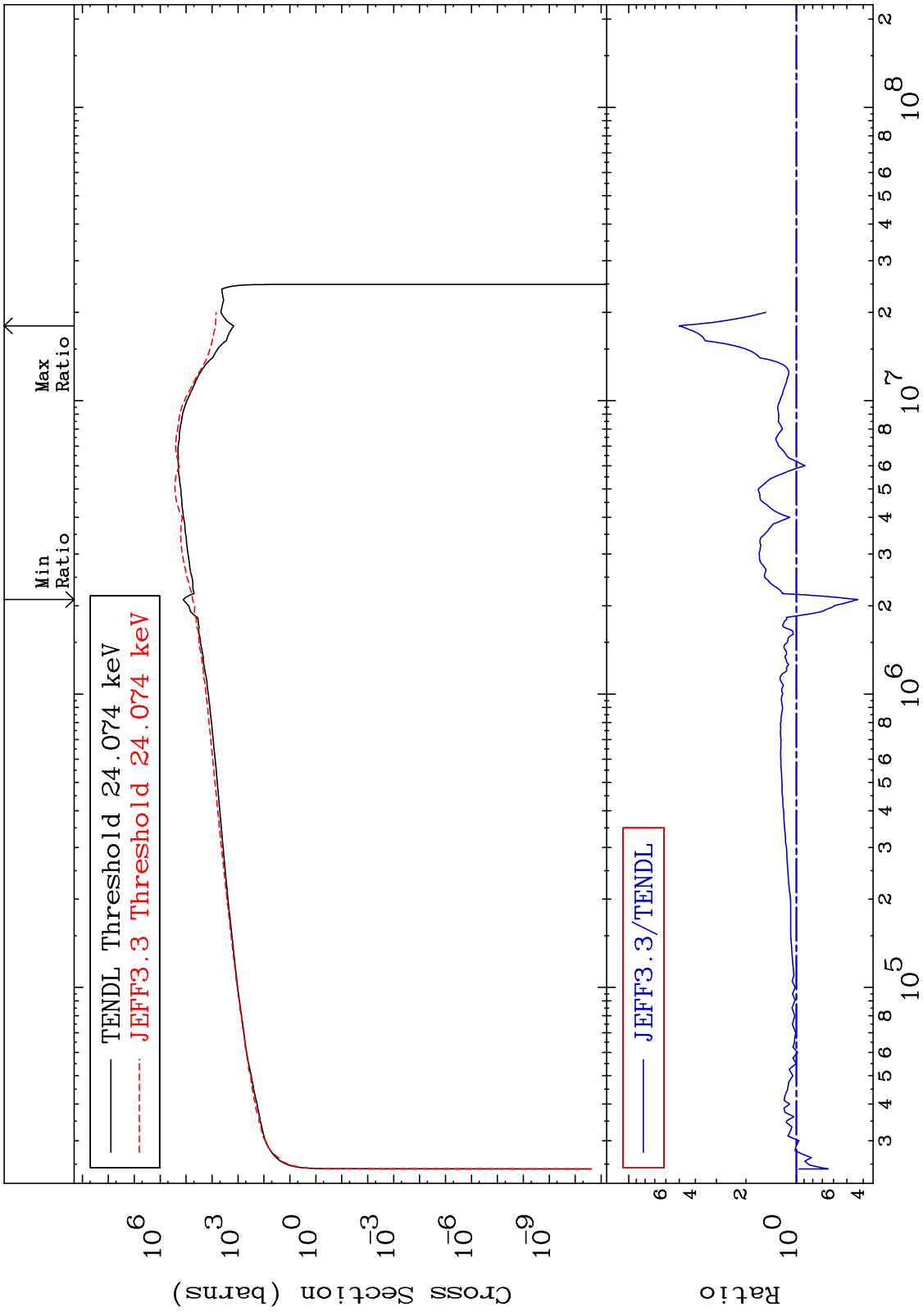
50-Sn-119

MAT 5046 Kerma non-elastic (all but mt2) 50-Sn-119
 -100.0 To 9999. %
 Cross Section



46 Incident Energy (eV) 50-Sn-119

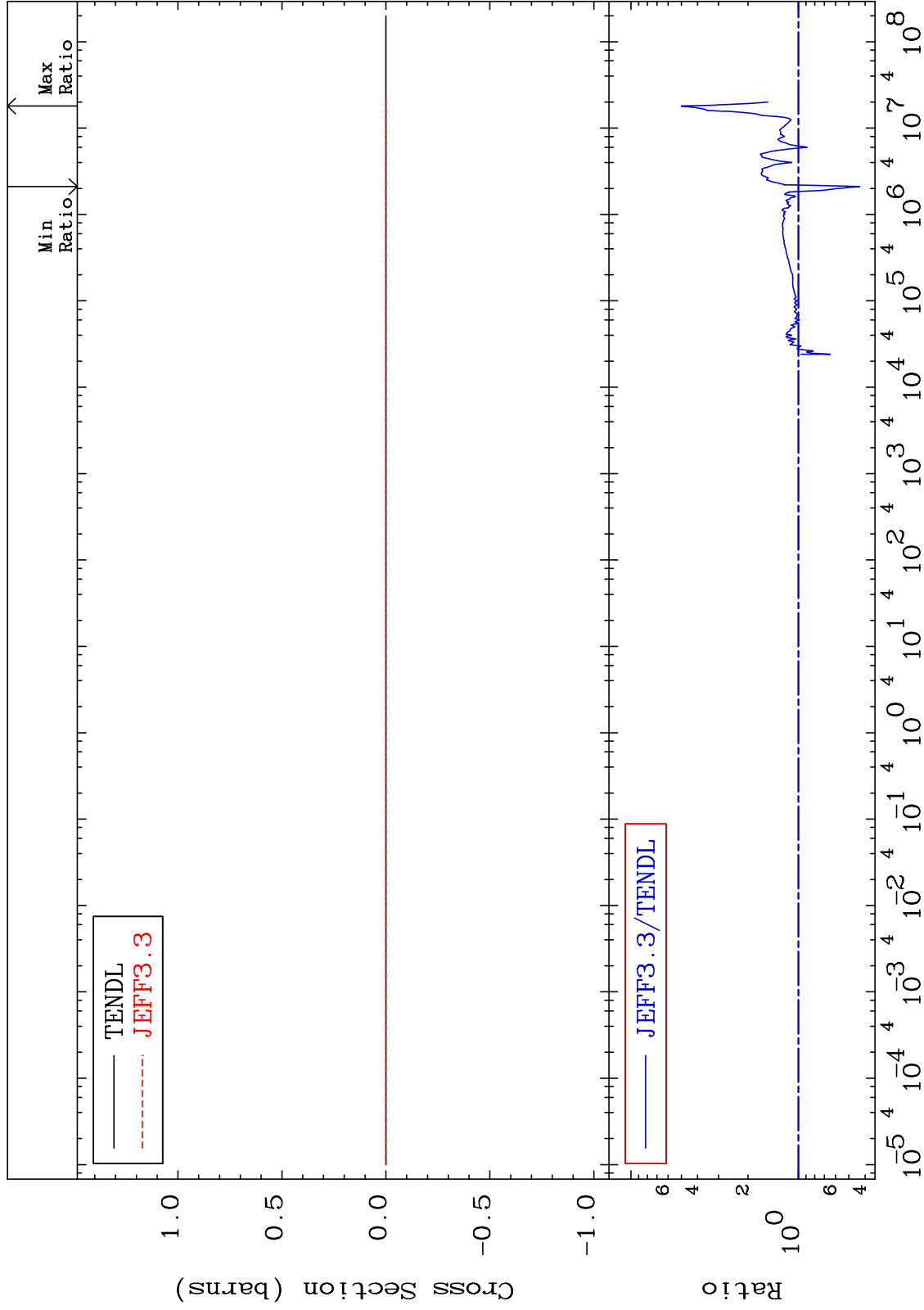
MAT 5046 Kerma inelastic (mt51-91) 50-Sn-119
 -56.97 To 401.2 %
 Cross Section



MAT 5046

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

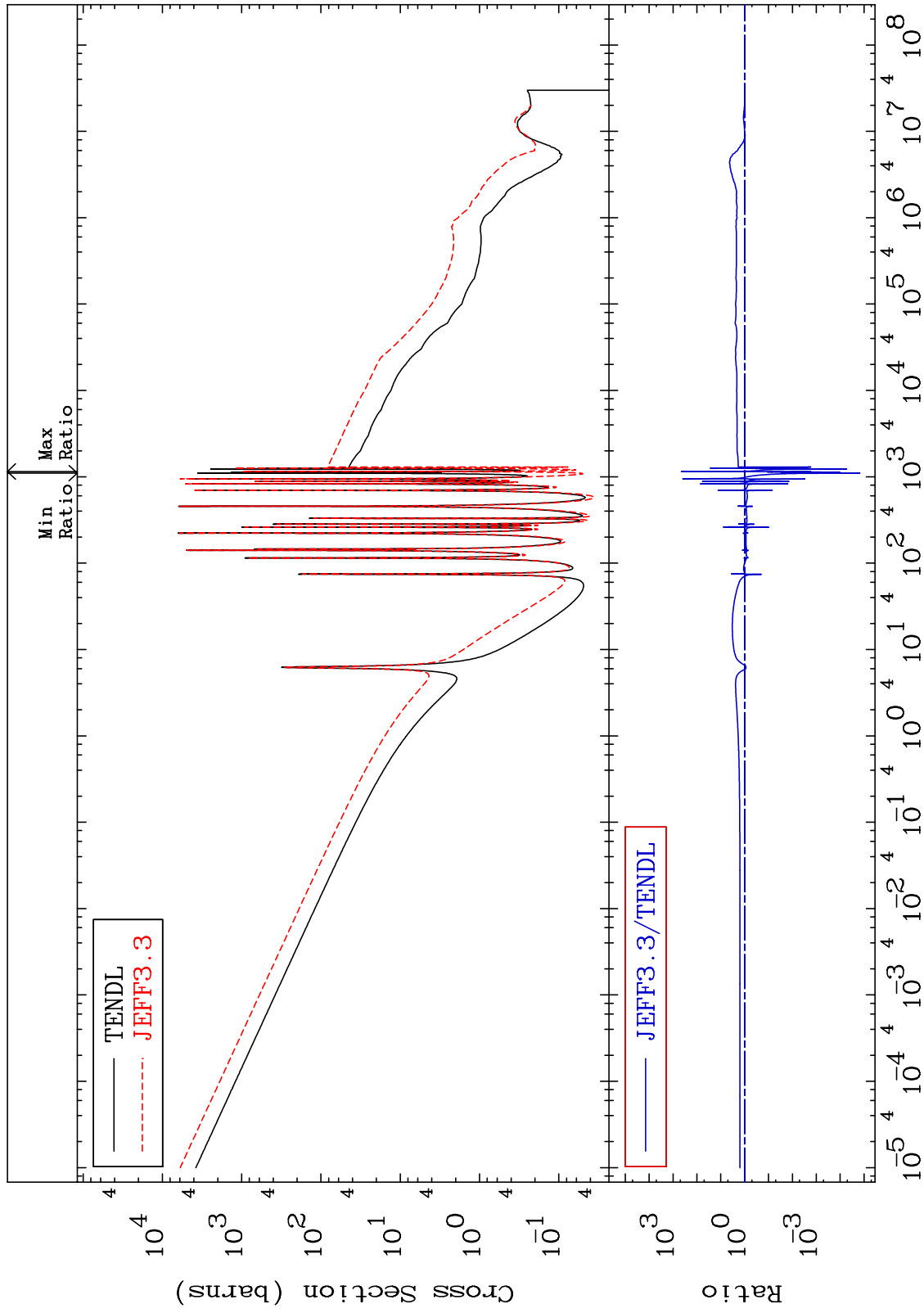
50-Sn-119
-56.97 To 401.2 %



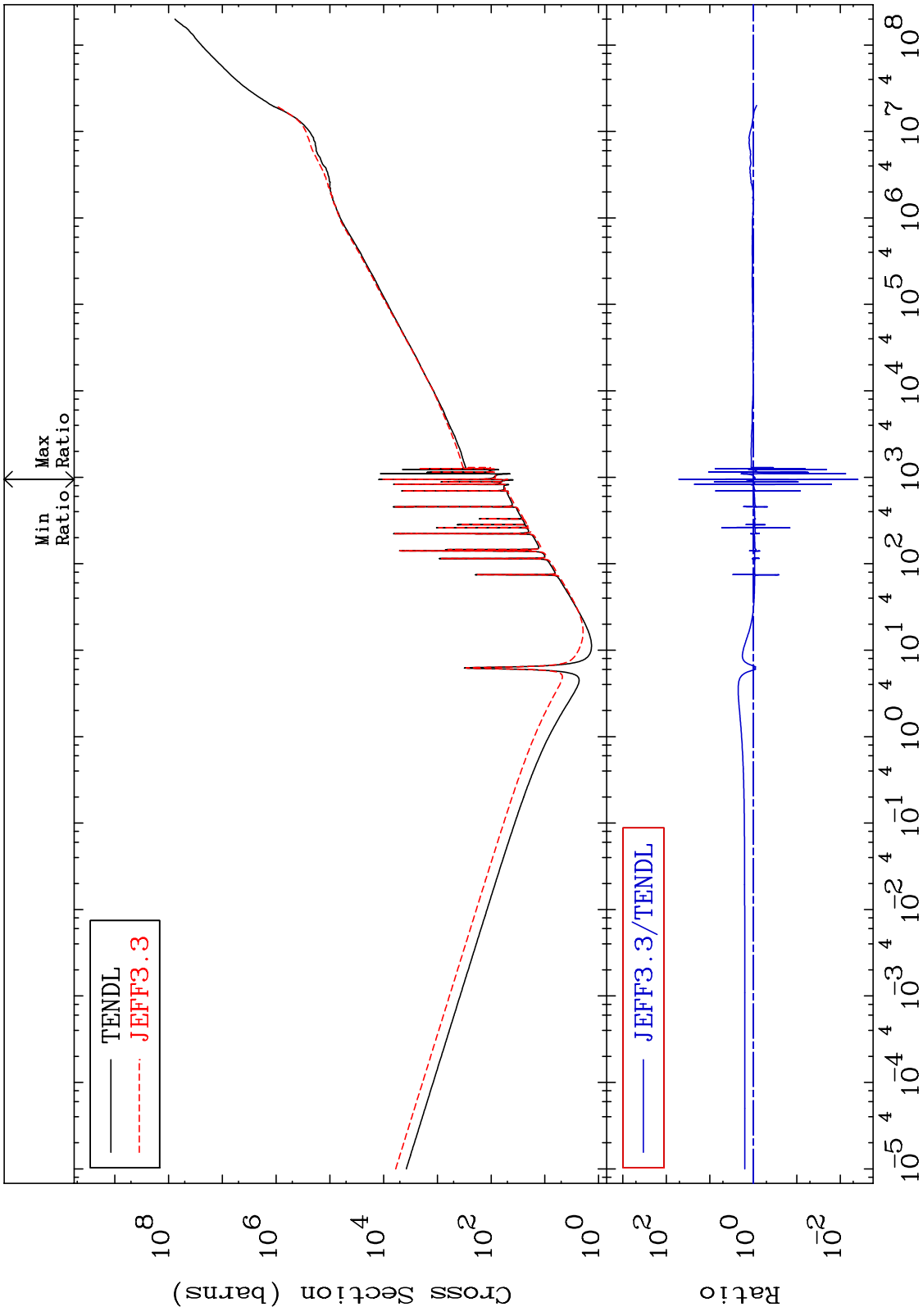
MAT 5046

Kerma capture (mt102)
Cross Section

50-Sn-119
-100.0 To 9999. %



MAT 5046 Total kinematic kerma (high limit) 50-Sn-119
 Cross Section -99.61 To 5009. %



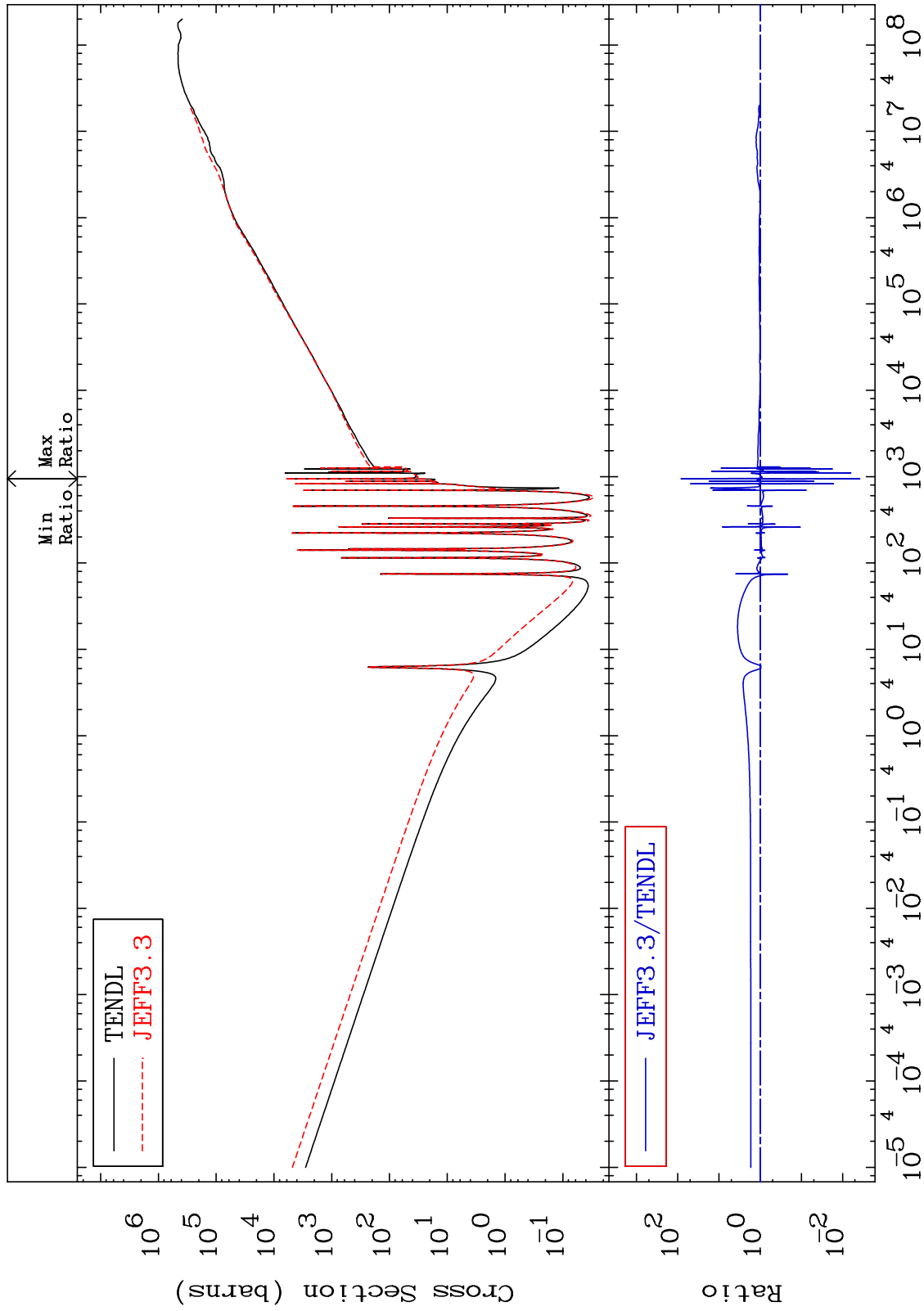
MAT 5046

Dpa total (eV-barns)

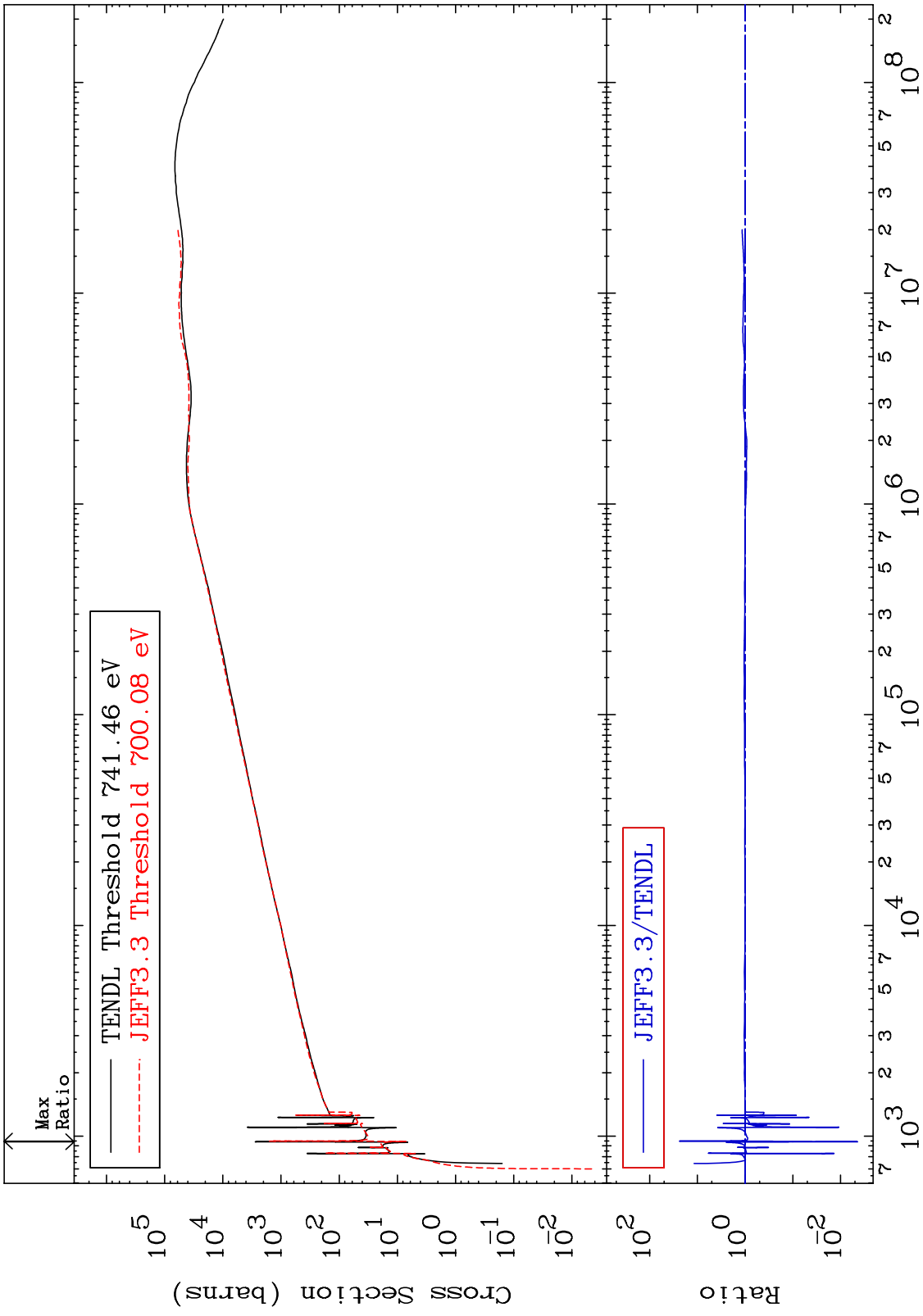
50-Sn-119

-99.62 To 8110. %

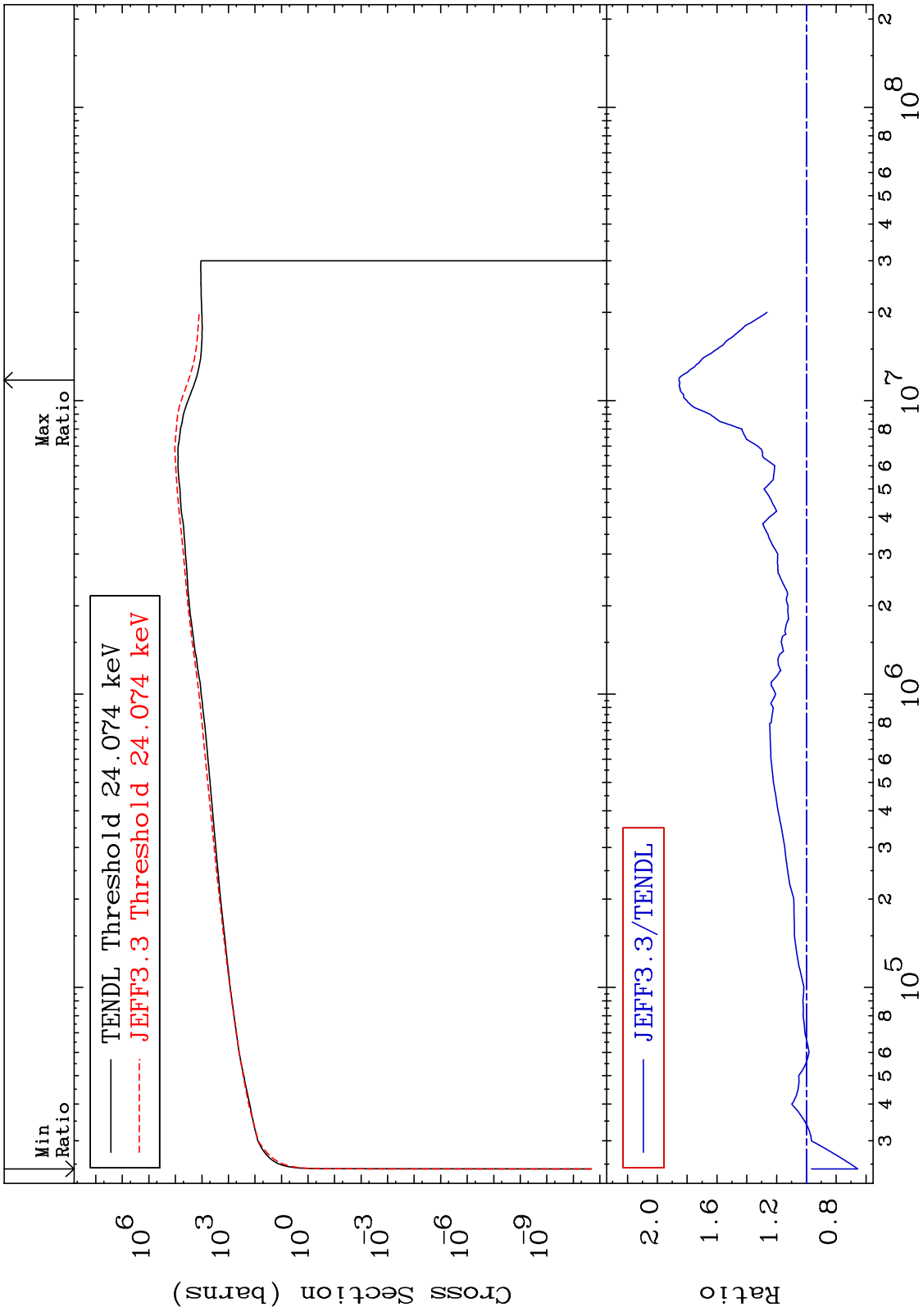
Cross Section



MAT 5046 Dpa elastic (mt2) 50-Sn-119
Cross Section -99.56 To 2328. %



MAT 5046 Dpa inelastic (mt51-91) 50-Sn-119
 Cross Section -34.51 To 85.43 %



MAT 5046

Dpa disappearance (mt102 -120)
Cross Section

50-Sn-119
-100.0 To 9999. %

