

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

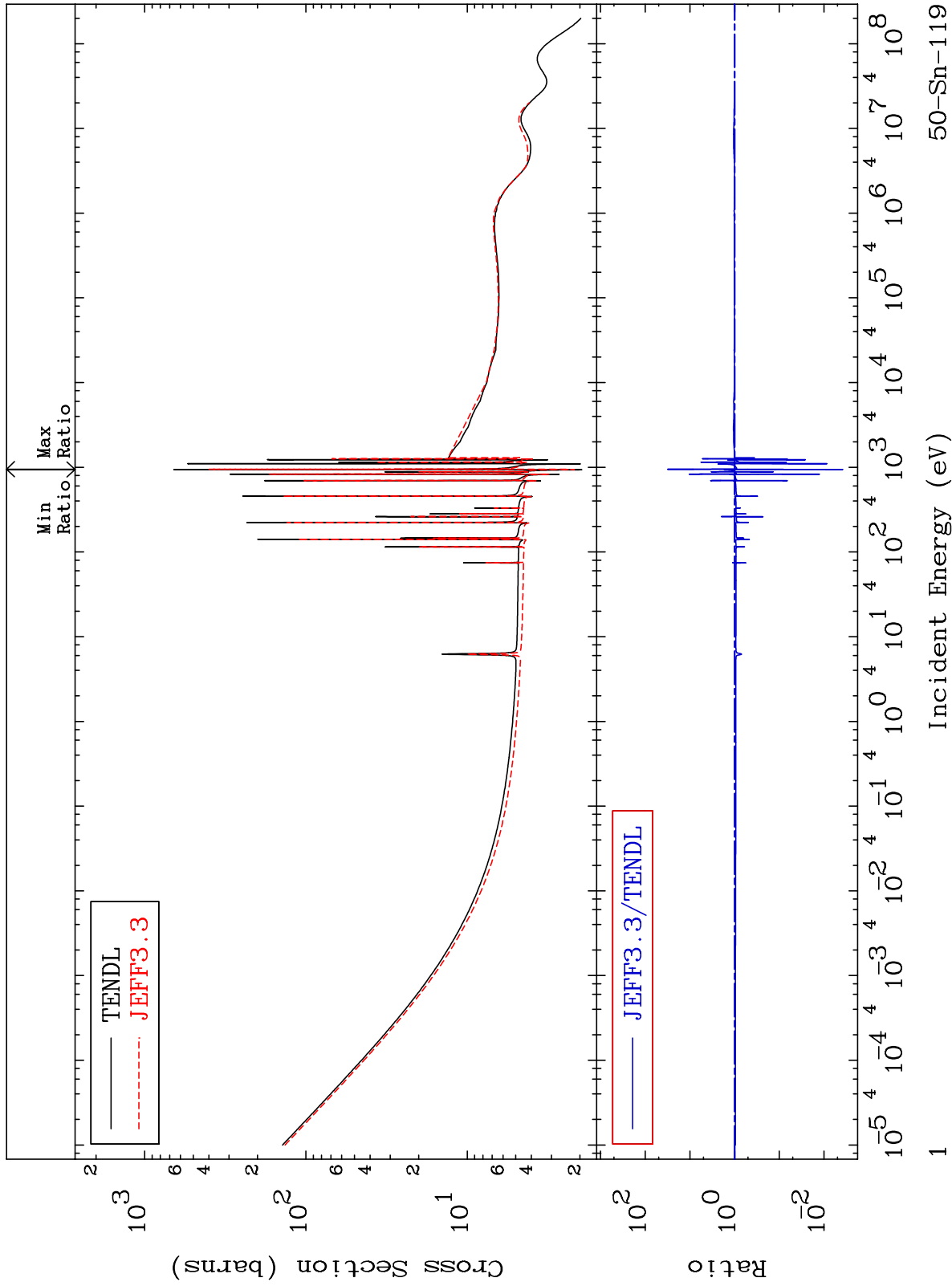
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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5046 50-Sn-119
Total Cross Section -99.62 To 3062. %

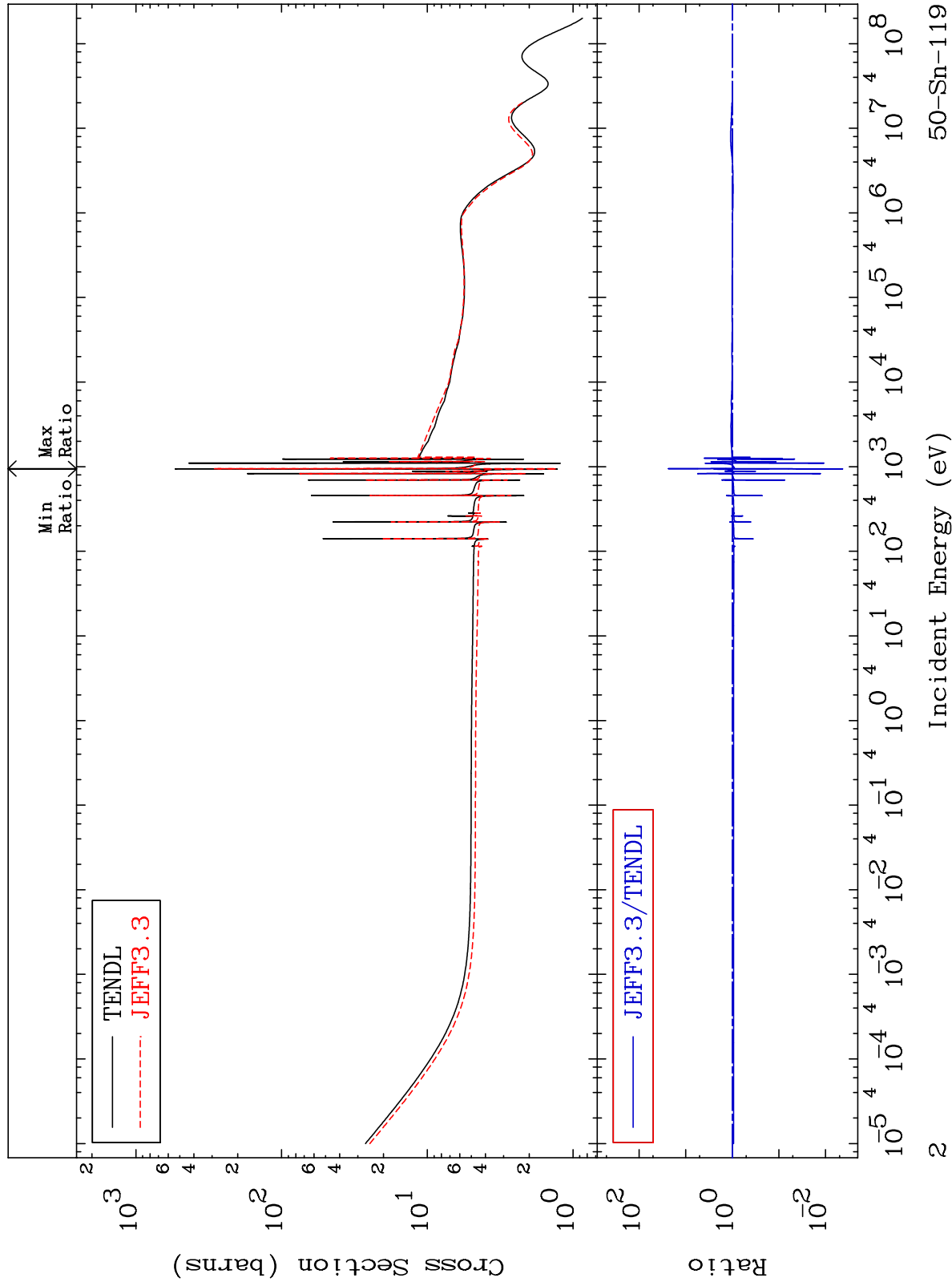


50-Sn-119

MAT 5046

Elastic
Cross Section

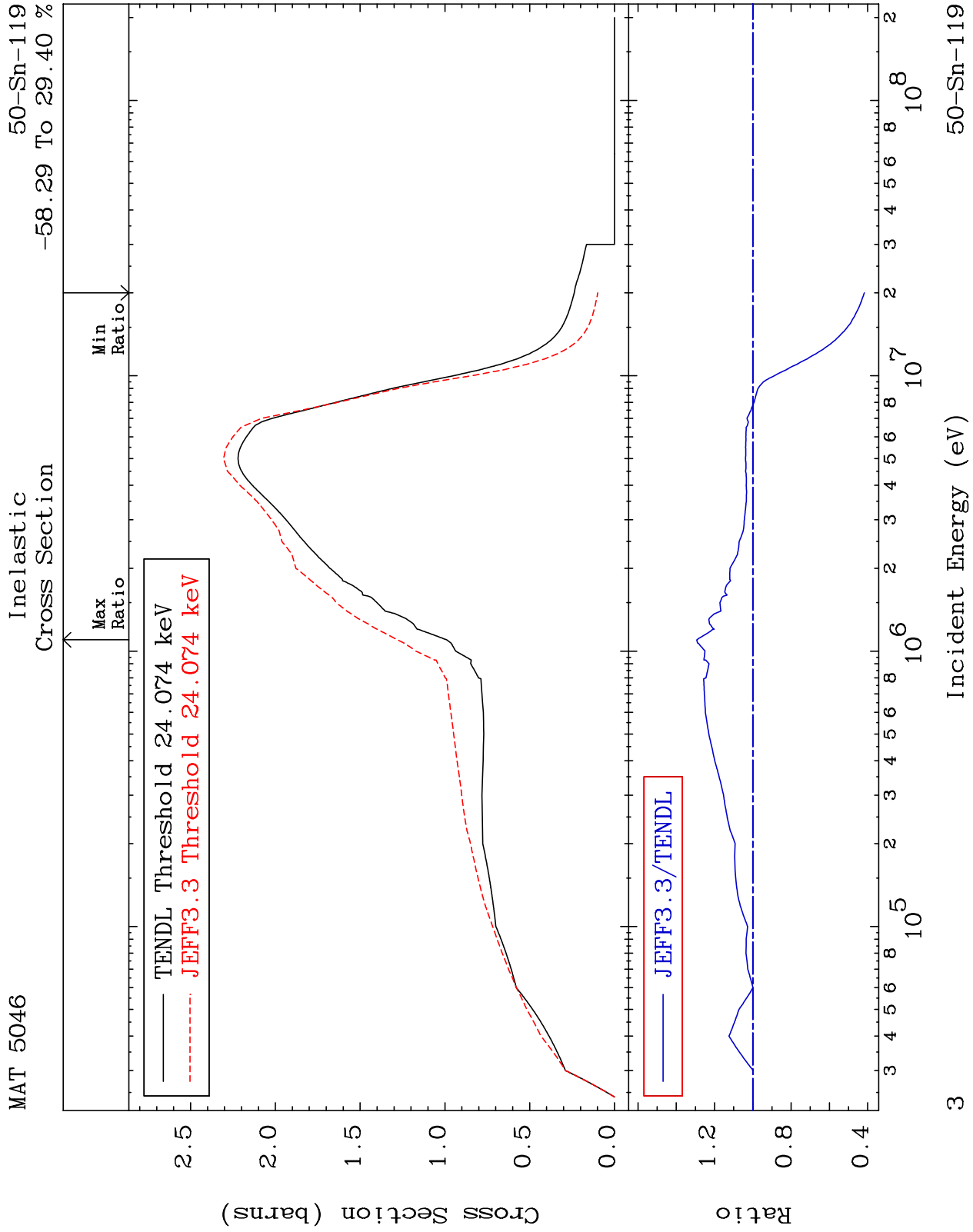
50-Sn-119
-99.58 To 2284. %



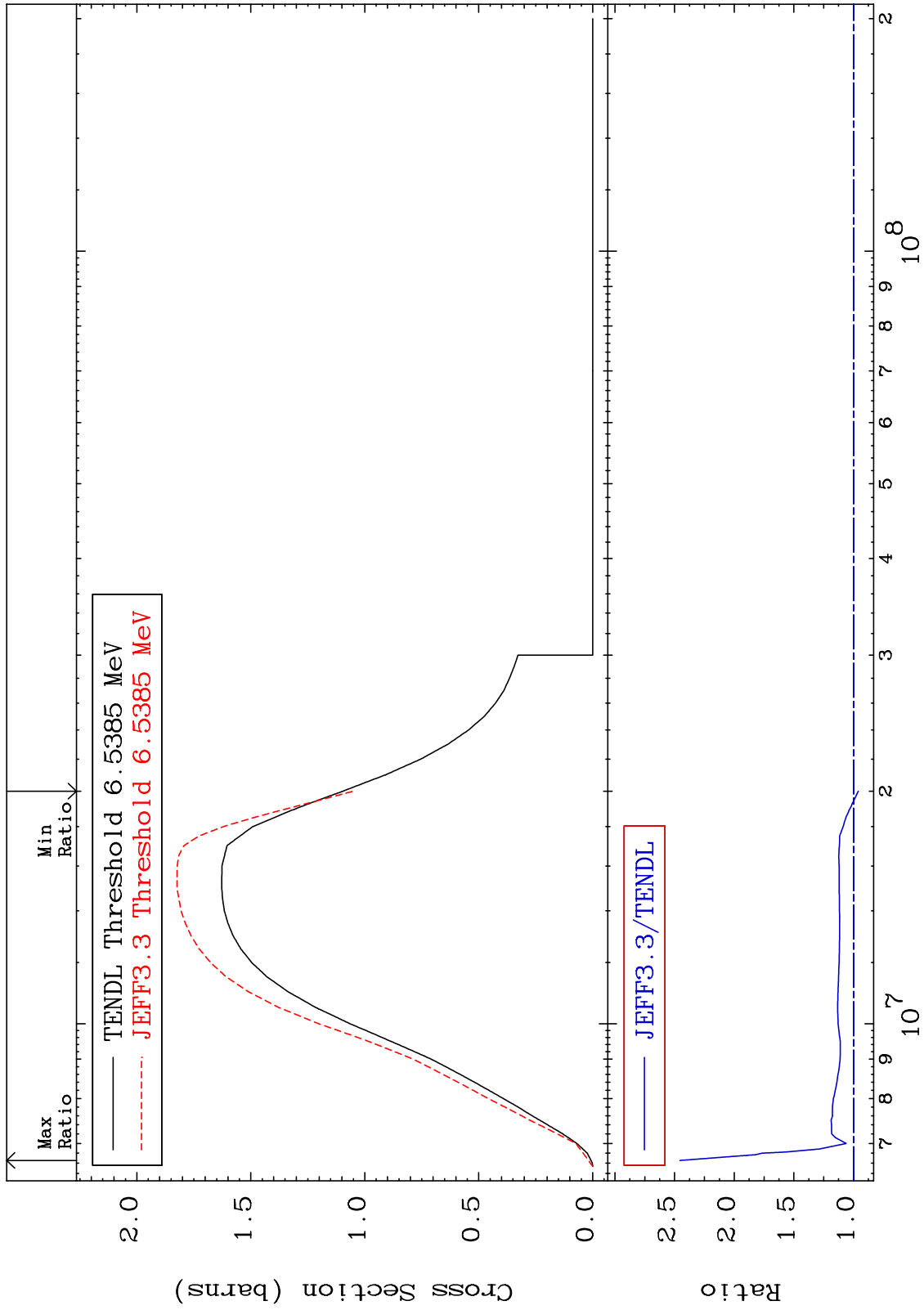
Incident Energy (eV)

50-Sn-119

2



MAT 5046 (n,2n) Cross Section 50-Sn-119 -4.128 To 145.5 %



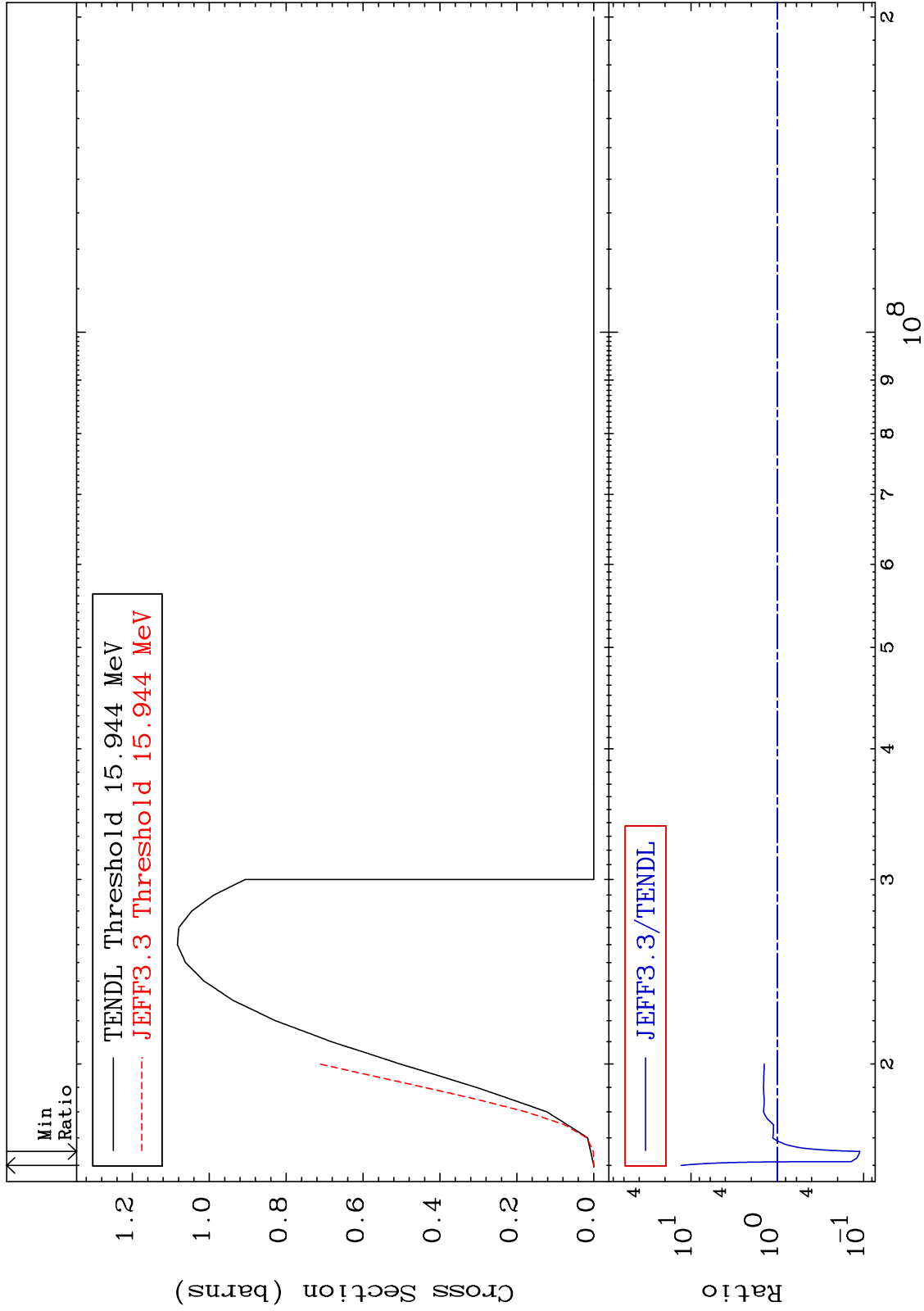
MAT 5046

(n,3n)

50-Sn-119

Cross Section

-88.99 To 1200. %



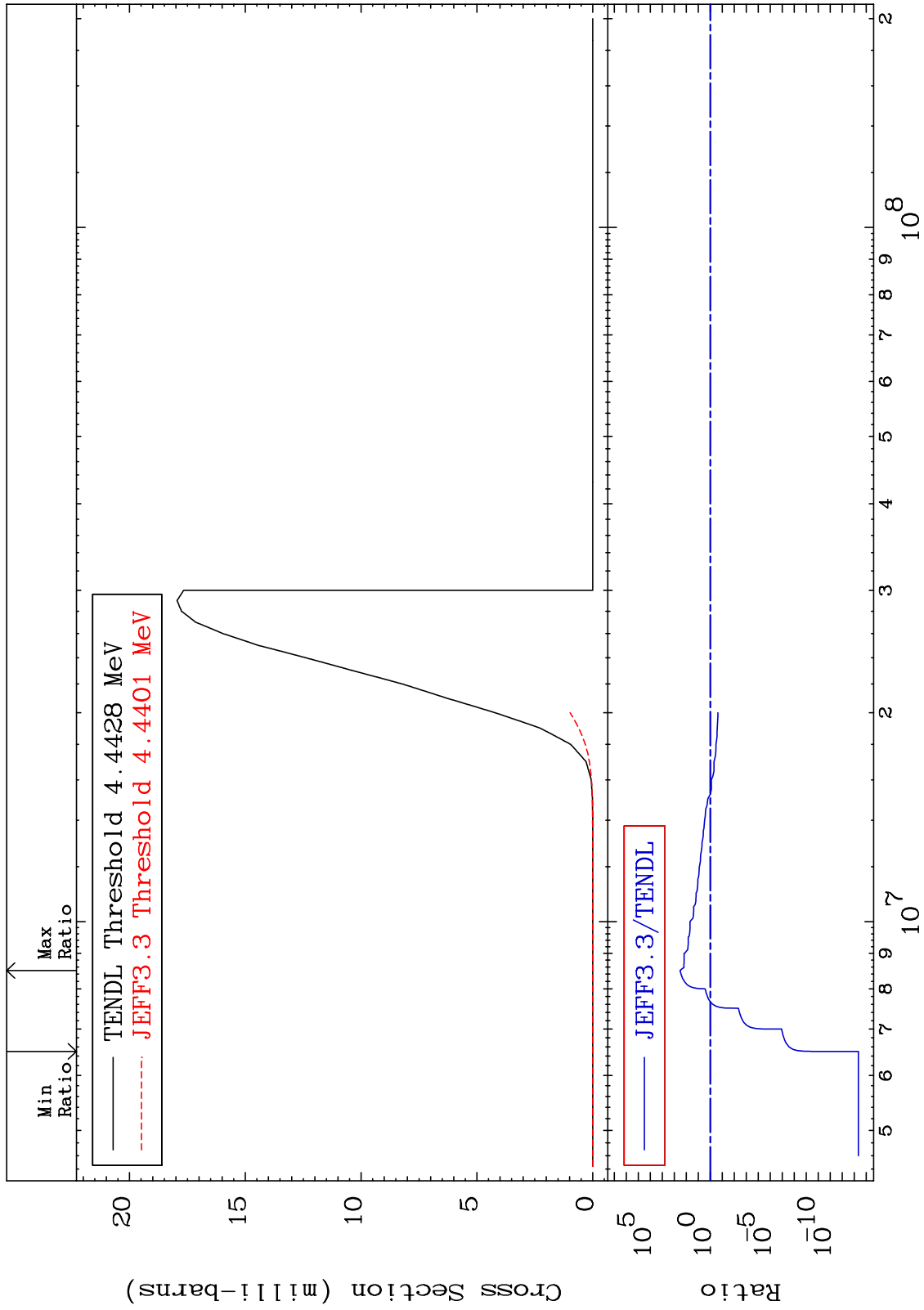
MAT 5046

$(n, n') \alpha$

50-Sn-119

Cross Section

-100.0 To 9999. %



6

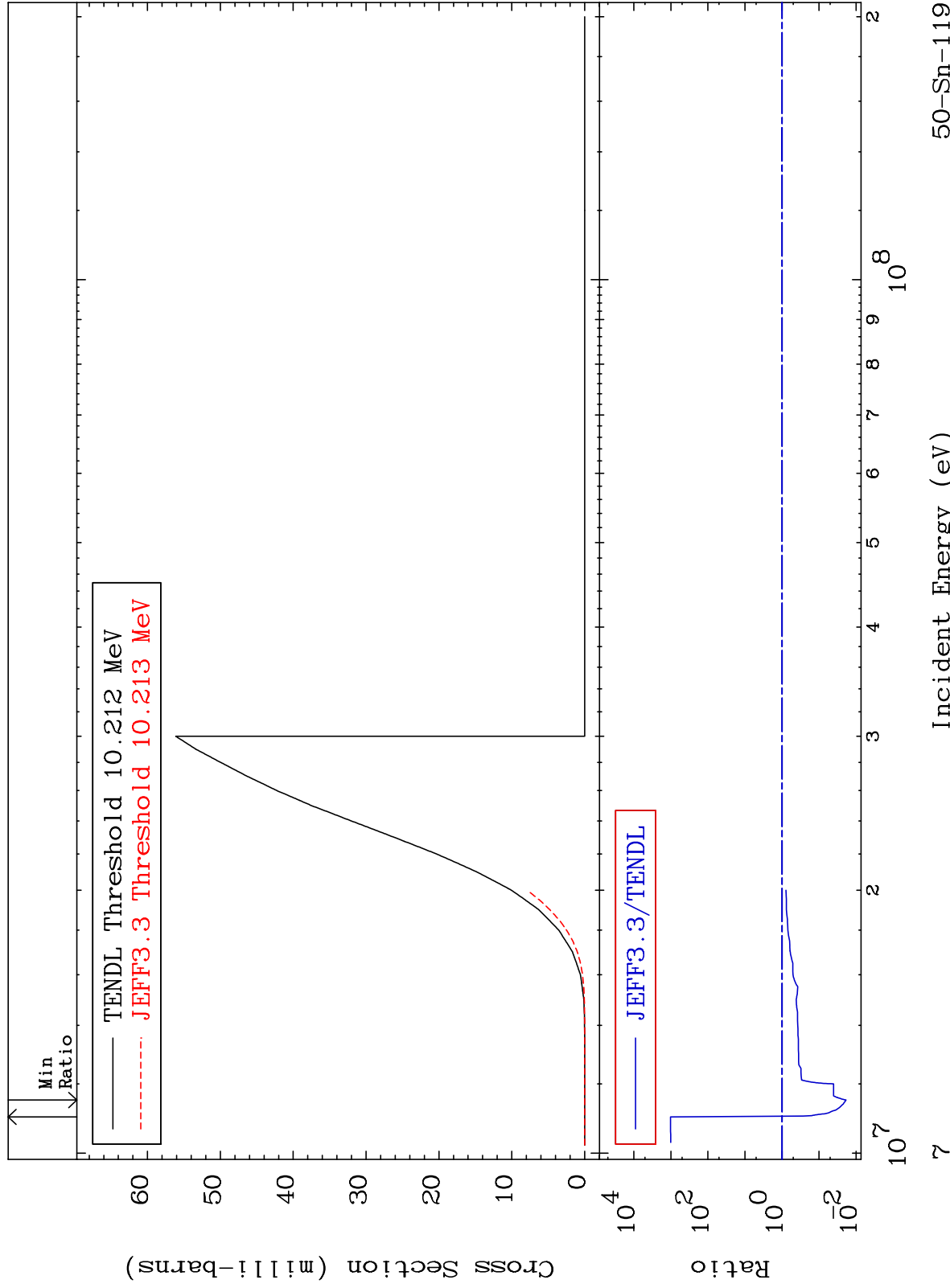
Incident Energy (eV)

50-Sn-119

MAT 5046

(n,n') p
Cross Section

50-Sn-119
-98.13 To 9999. %



50-Sn-119

Incident Energy (eV)

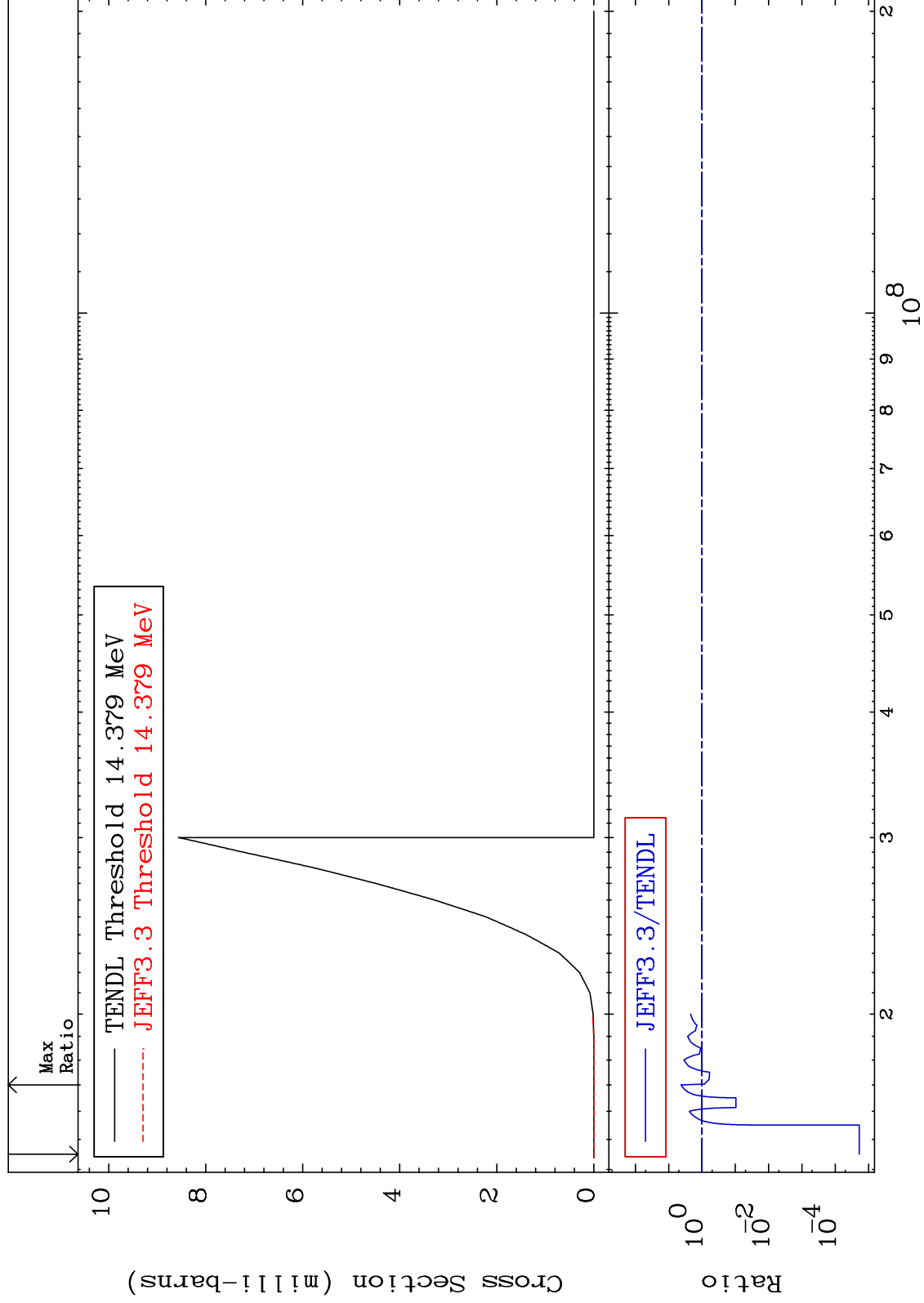
MAT 5046

(n, n') d

50-Sn-119

Cross Section

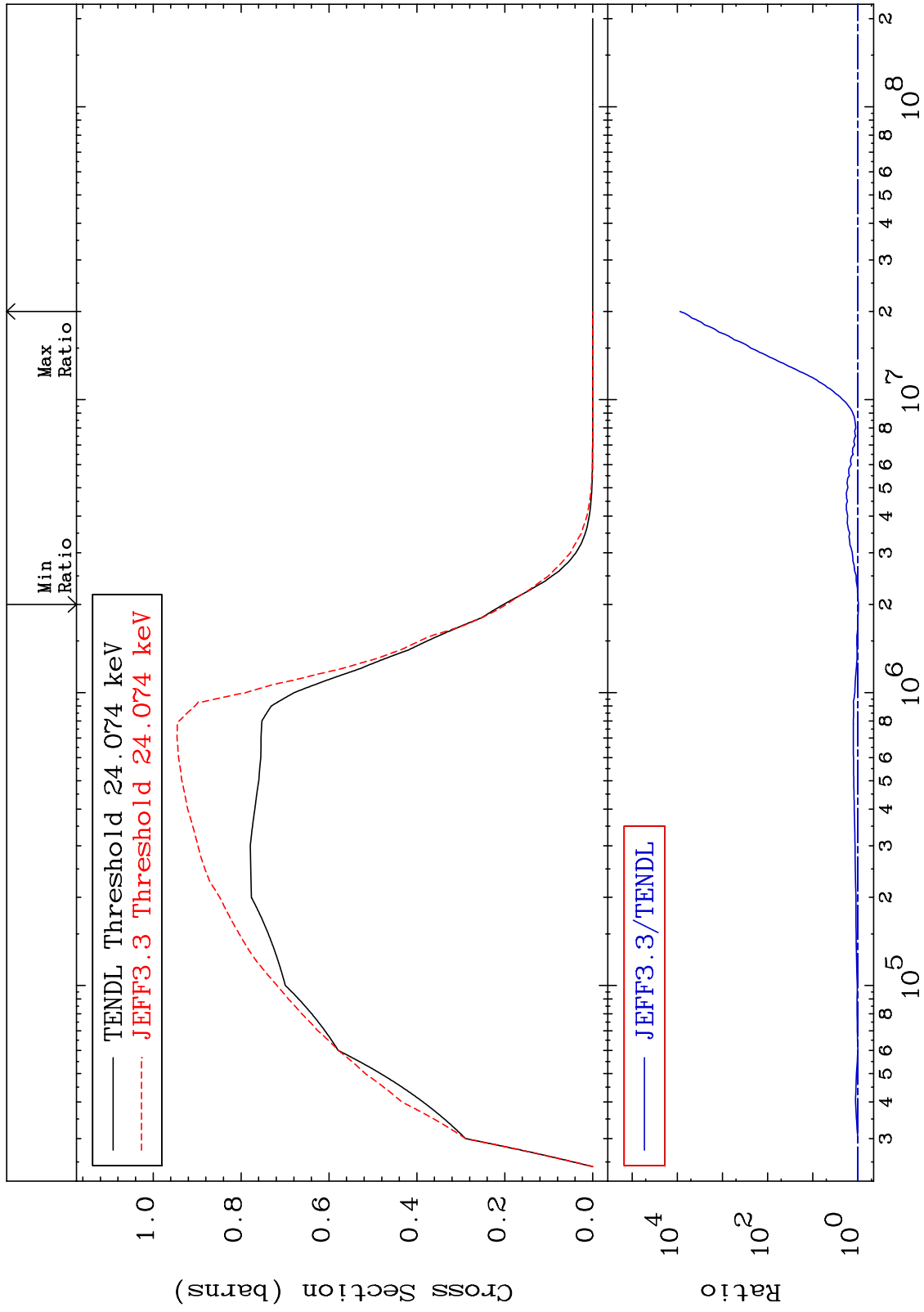
-100.0 To 325.3 %



MAT 5046

MT= 51 (n, n') Level
Cross Section

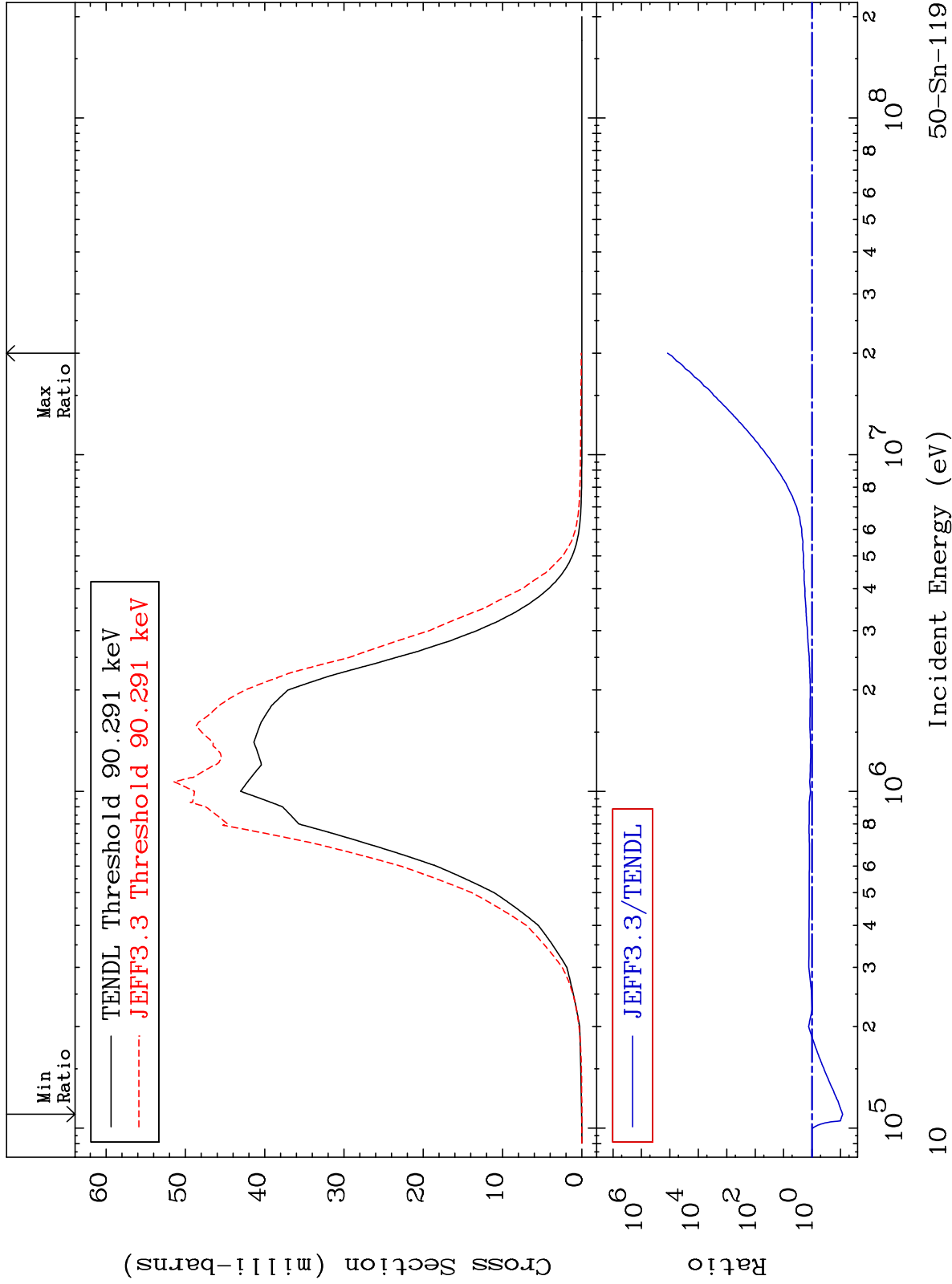
50-Sn-119
-3.069 To 9999. %



MAT 5046

MT= 52 (n,n') Level
Cross Section

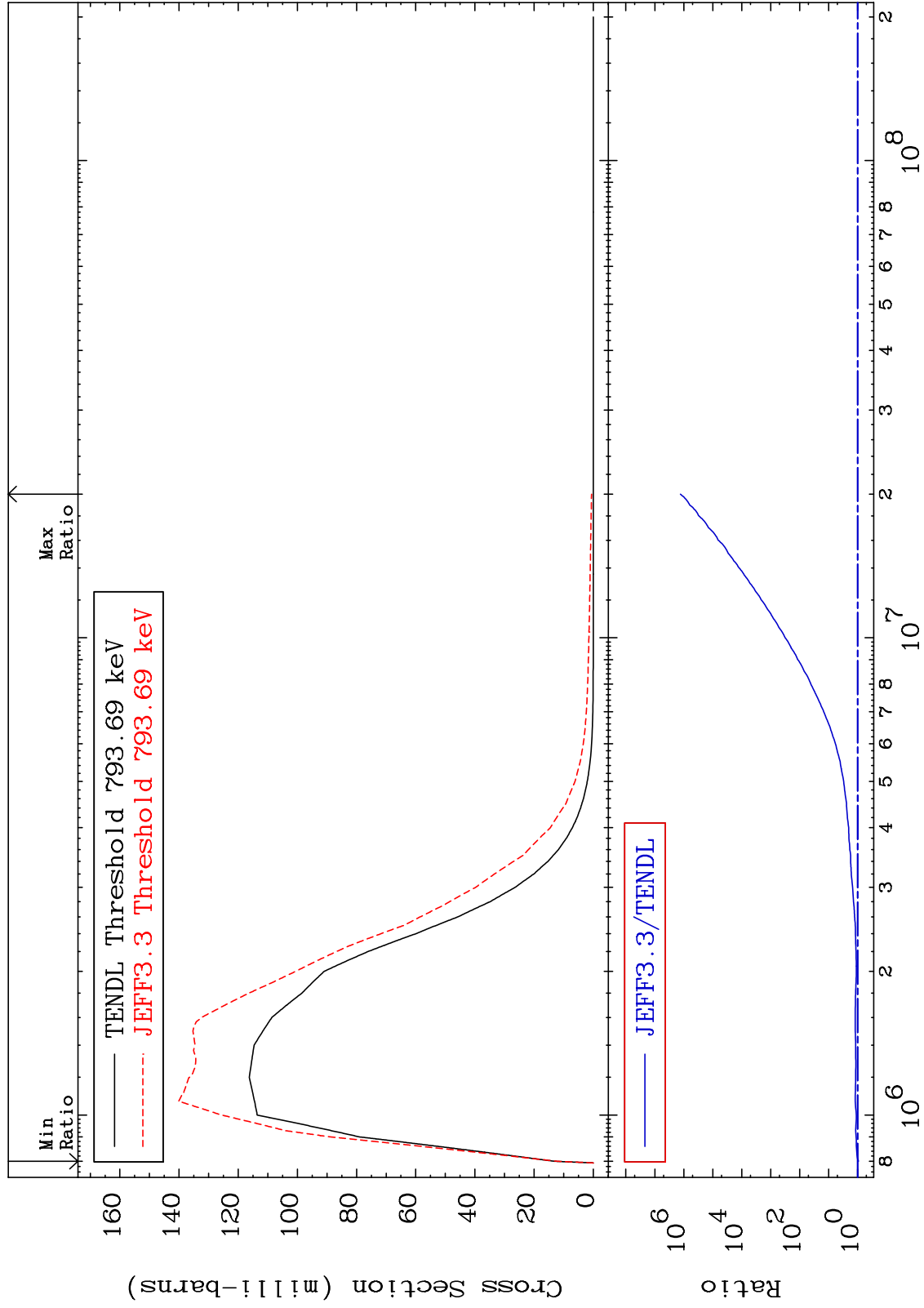
50-Sn-119
-91.62 To 9999. %



MAT 5046

MT= 53 (n,n') Level
Cross Section

50-Sn-119
-6.540 To 9999. %



11

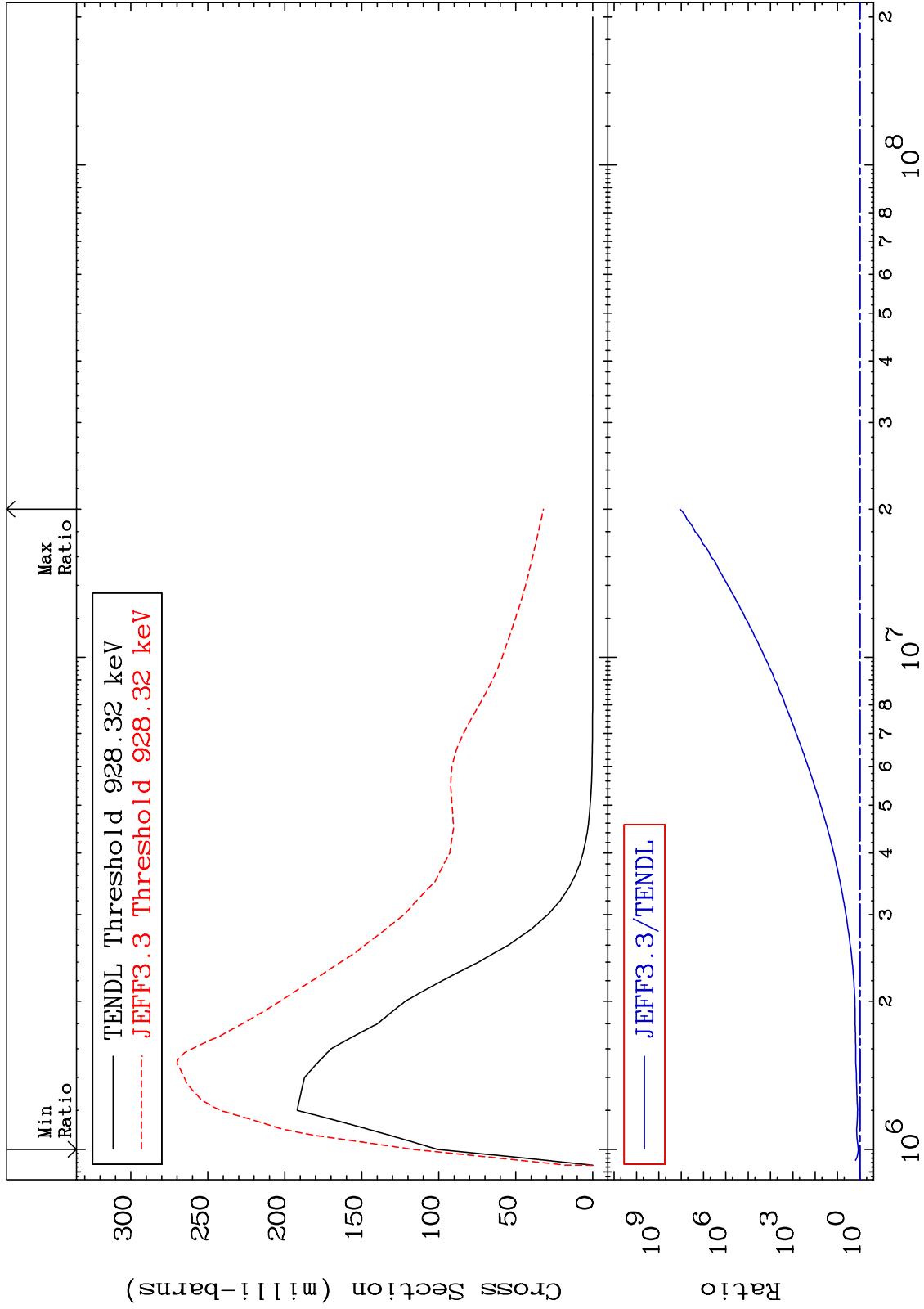
Incident Energy (eV)

50-Sn-119

MAT 5046

MT= 54 (n, n') Level
Cross Section

50-Sn-119
16.03 To 9999. %

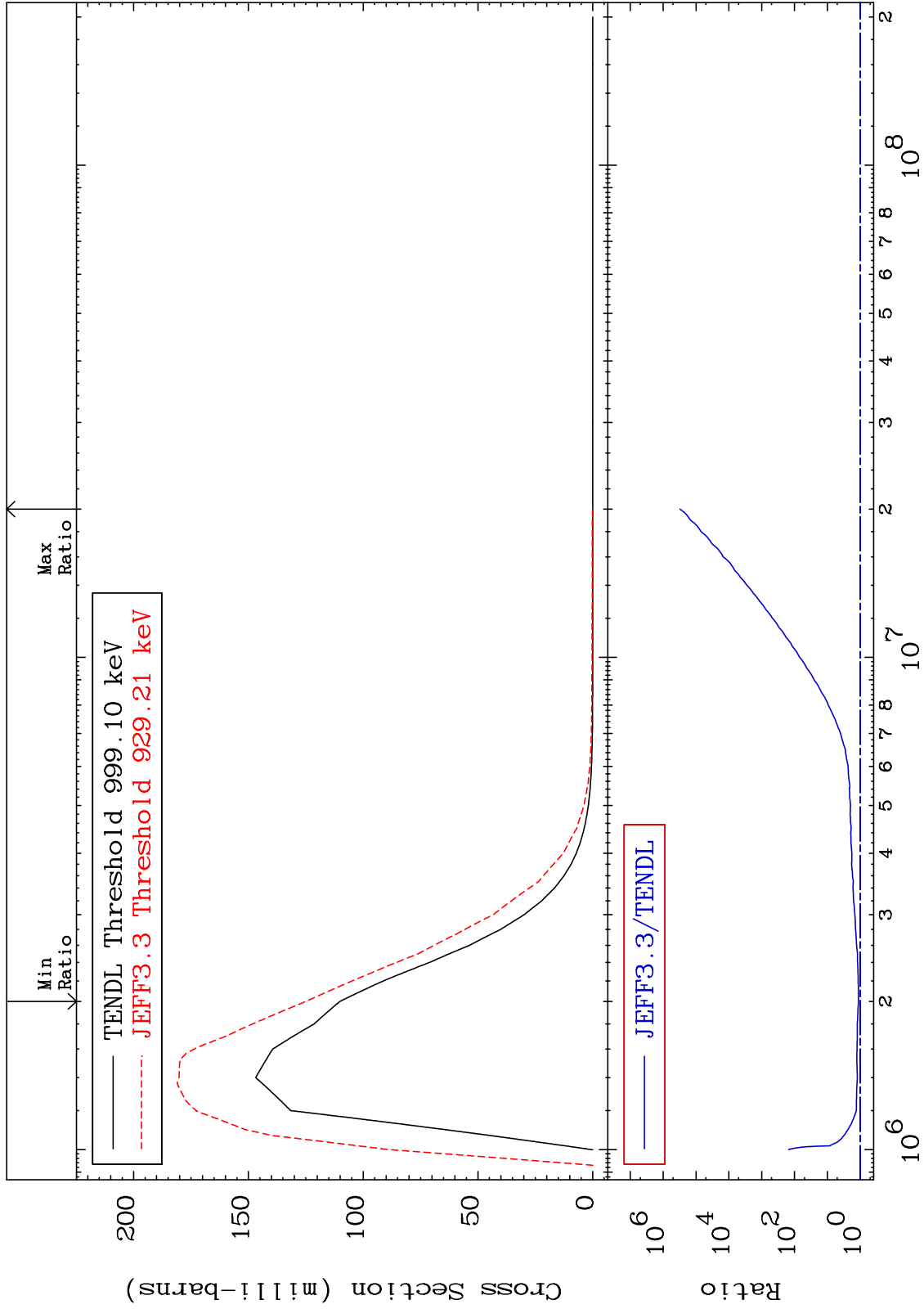


12 50-Sn-119

MAT 5046

MT= 55 (n,n') Level
Cross Section

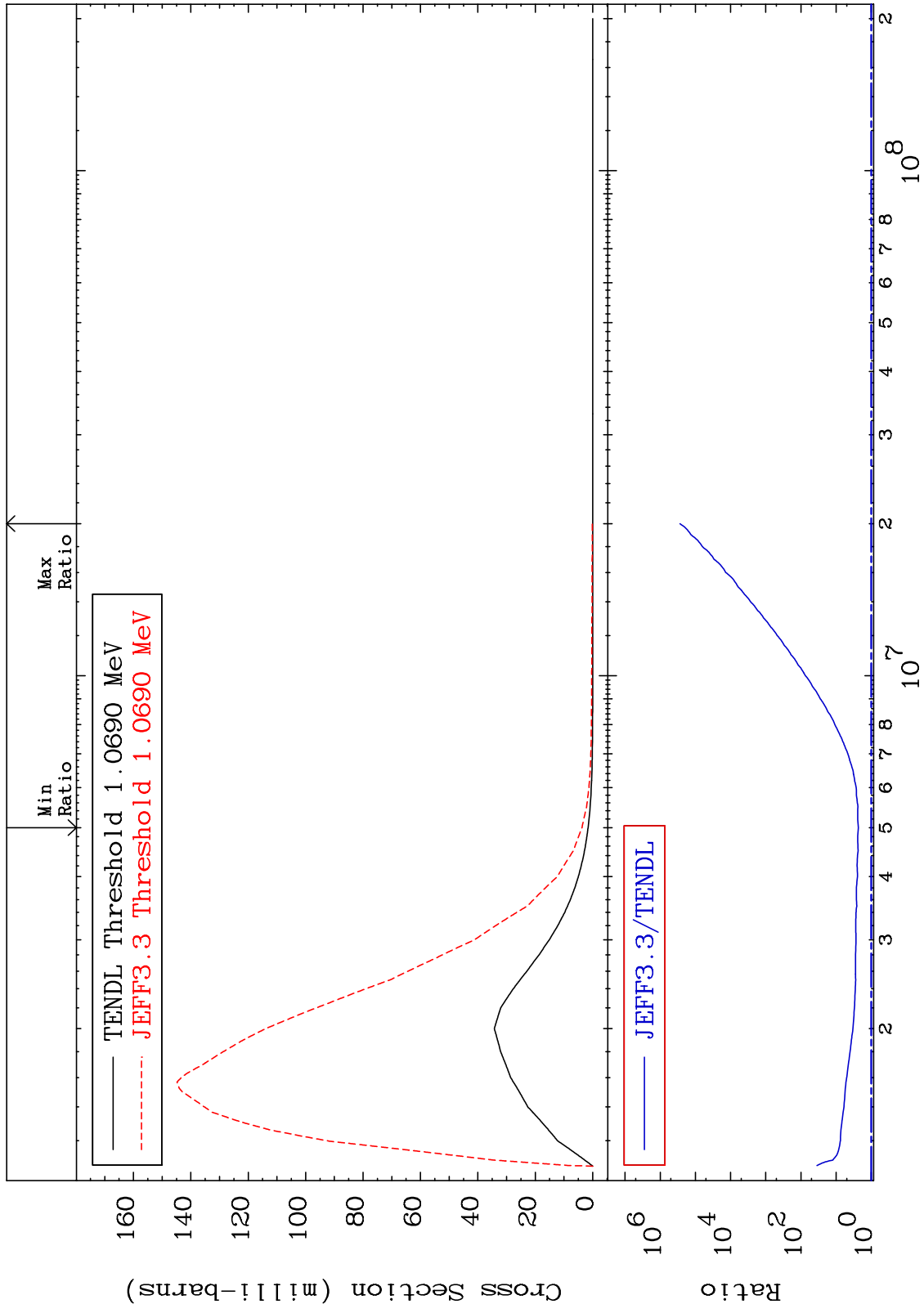
13.41 To 9999. %
50-Sn-119



13

50-Sn-119

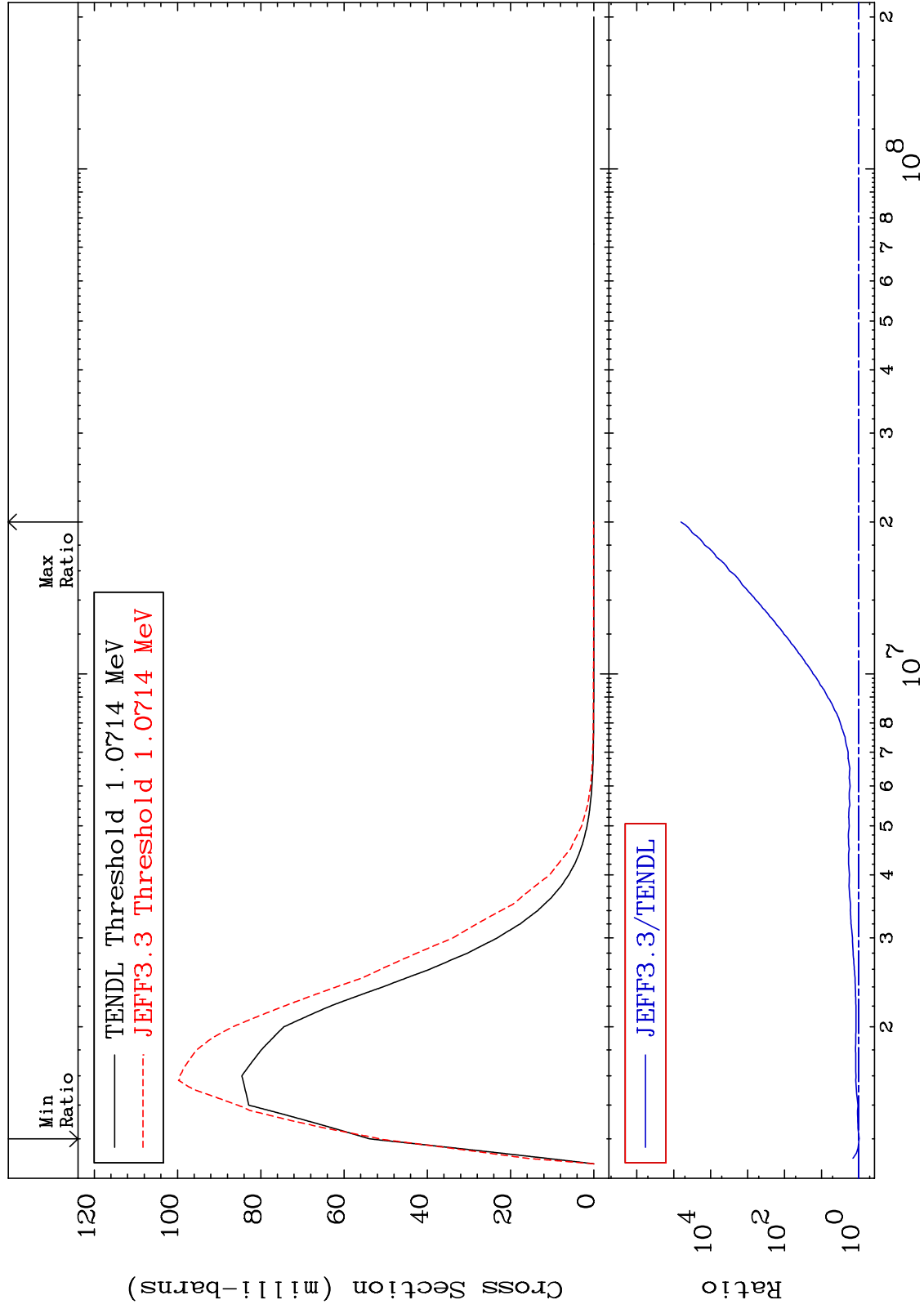
MAT 5046 MT= 56 (n, n') Level Cross Section 50-Sn-119
 132.6 To 9999. %



MAT 5046

MT= 57 (n, n') Level
Cross Section

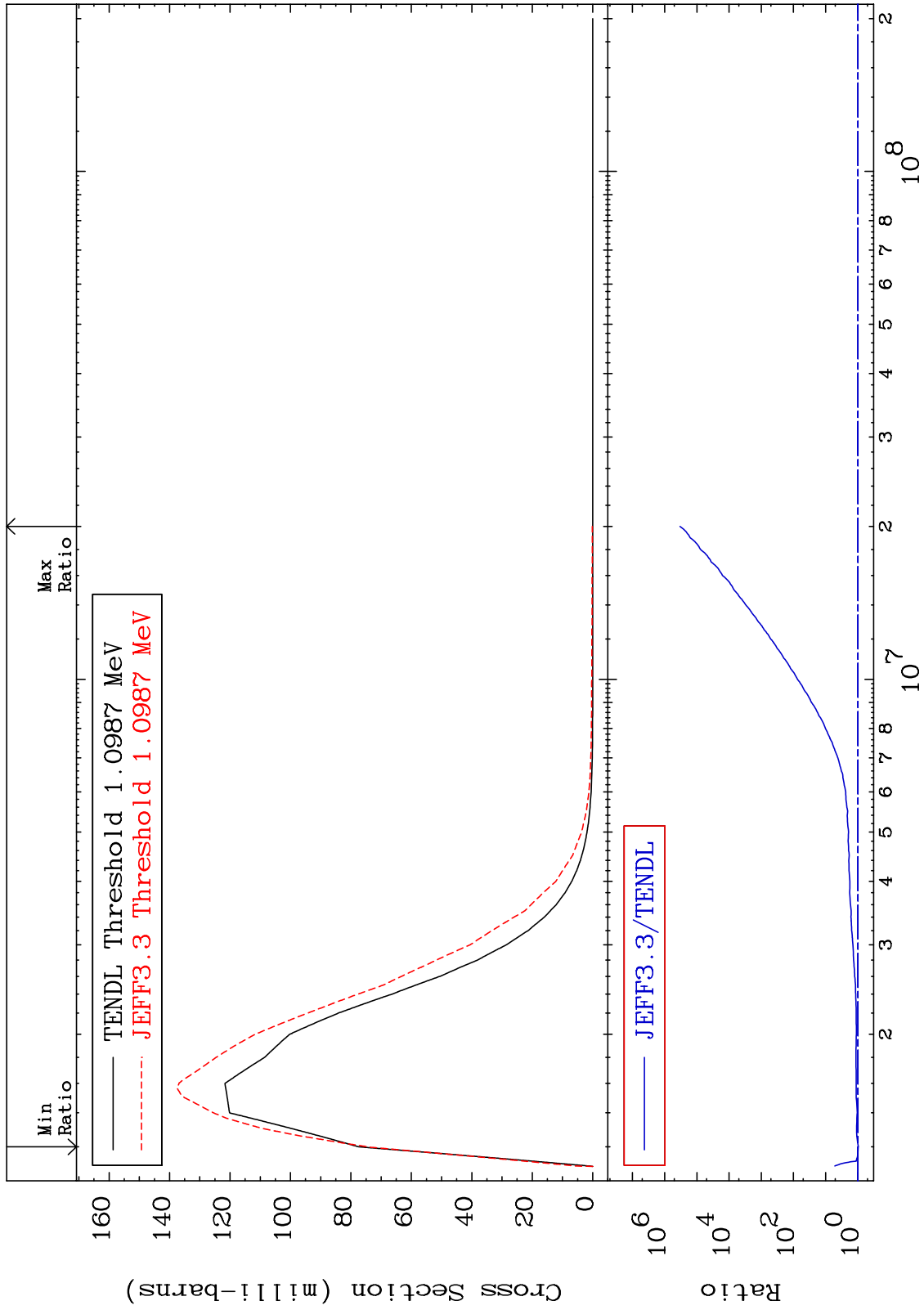
50-Sn-119
-4.896 To 9999. %



MAT 5046

MT= 58 (n,n') Level
Cross Section

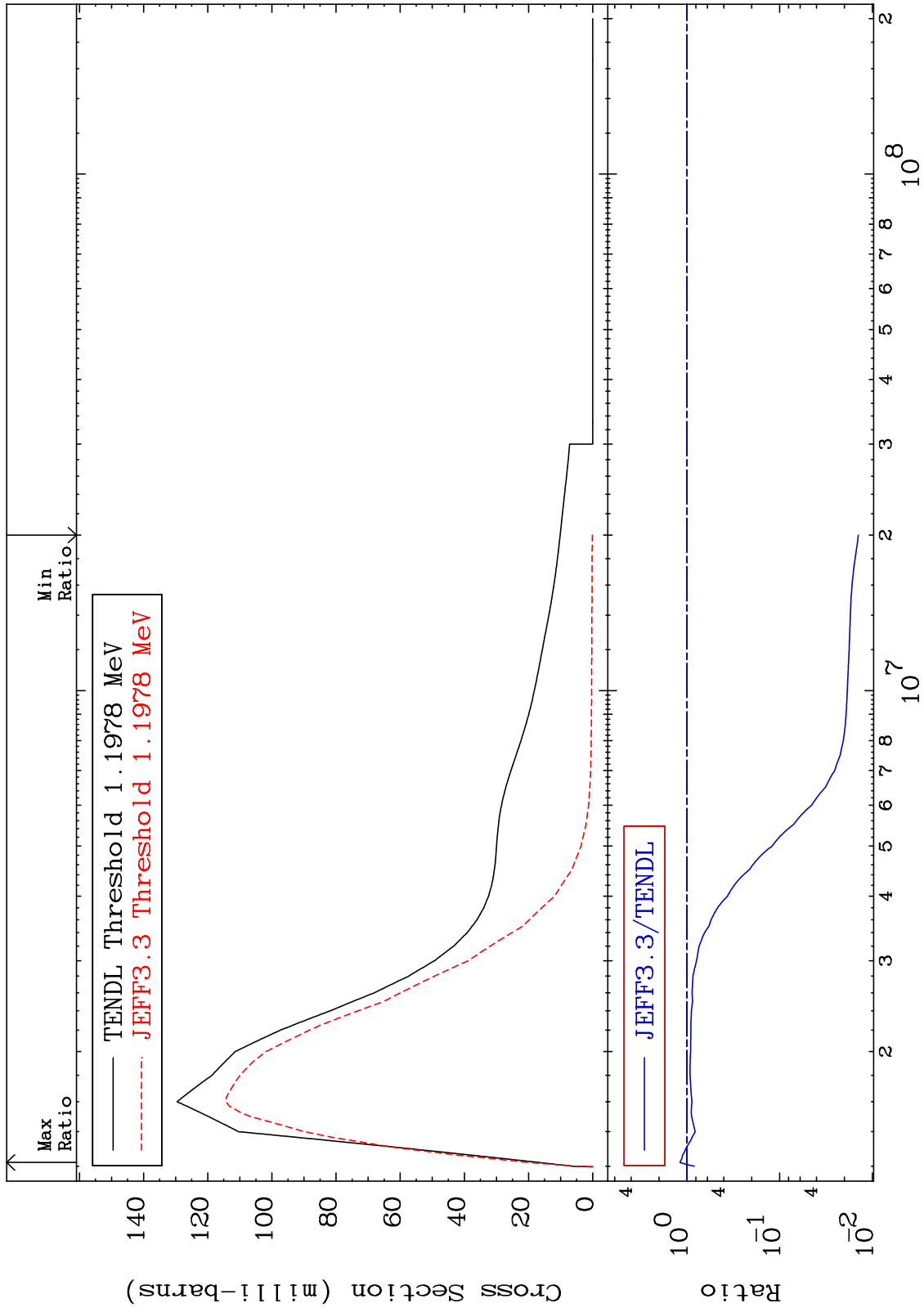
50-Sn-119
-4.036 To 9999. %



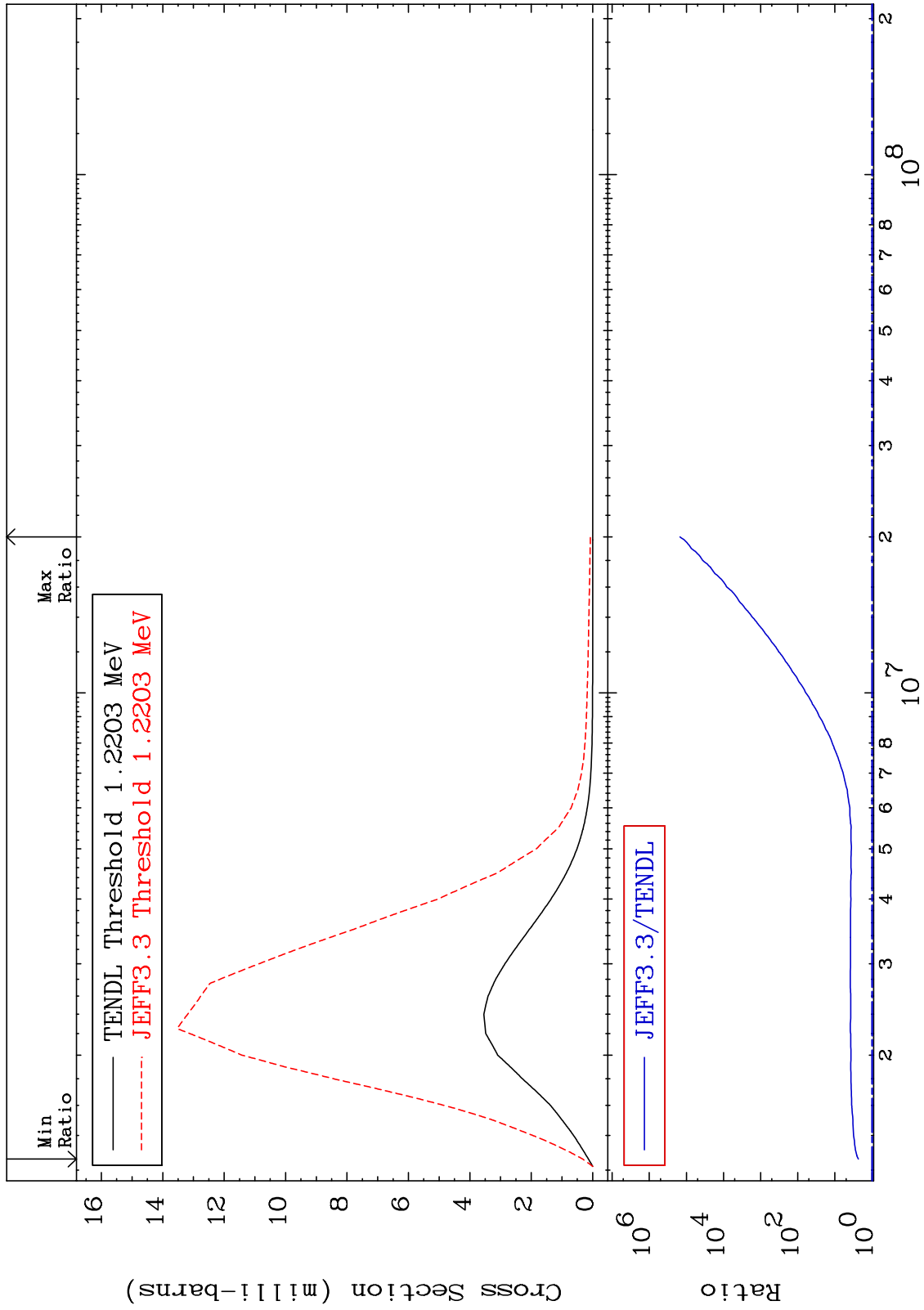
MAT 5046

MT= 59 (n, n') Level
Cross Section

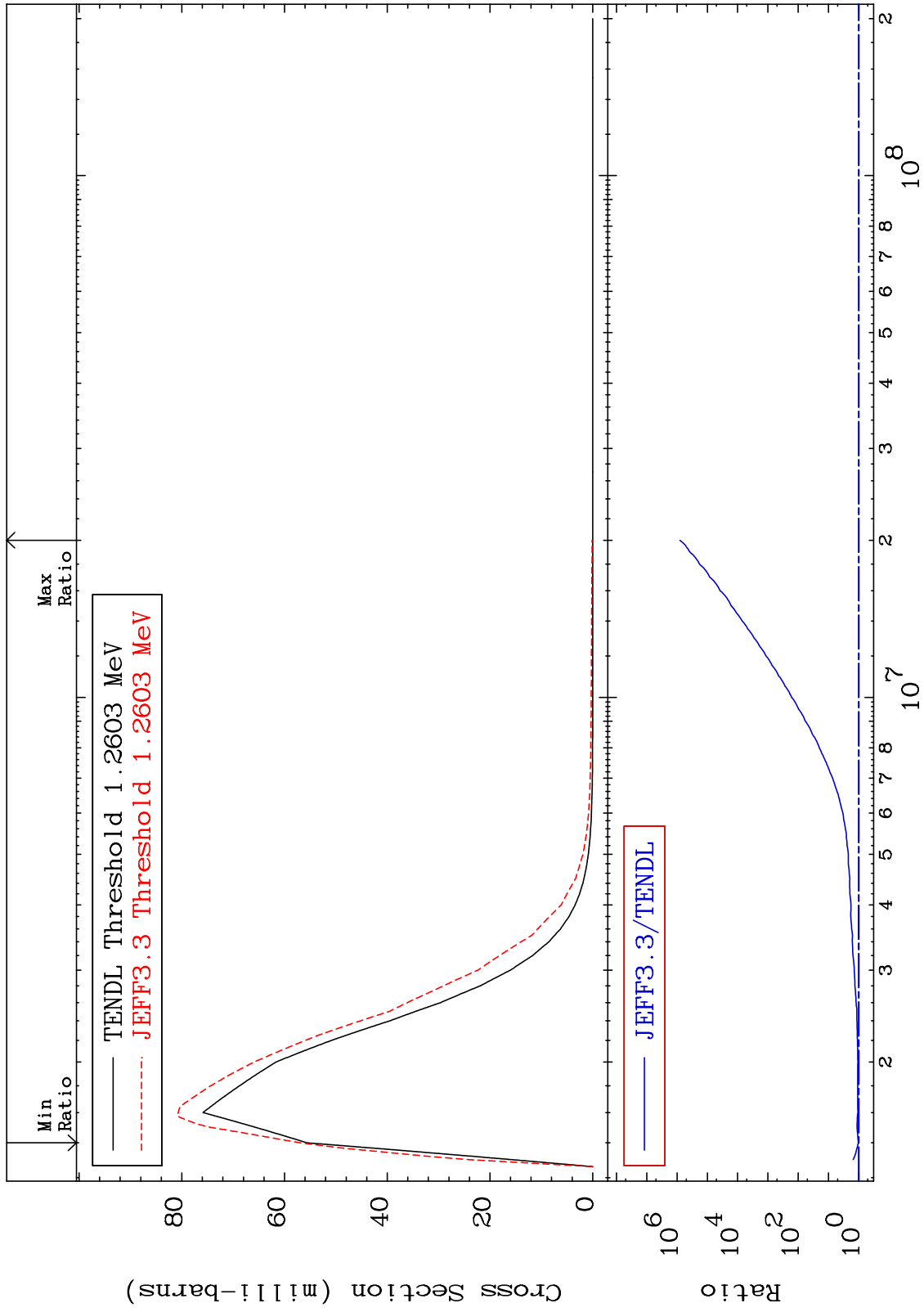
50-Sn-119
-98.59 To 18.78 %



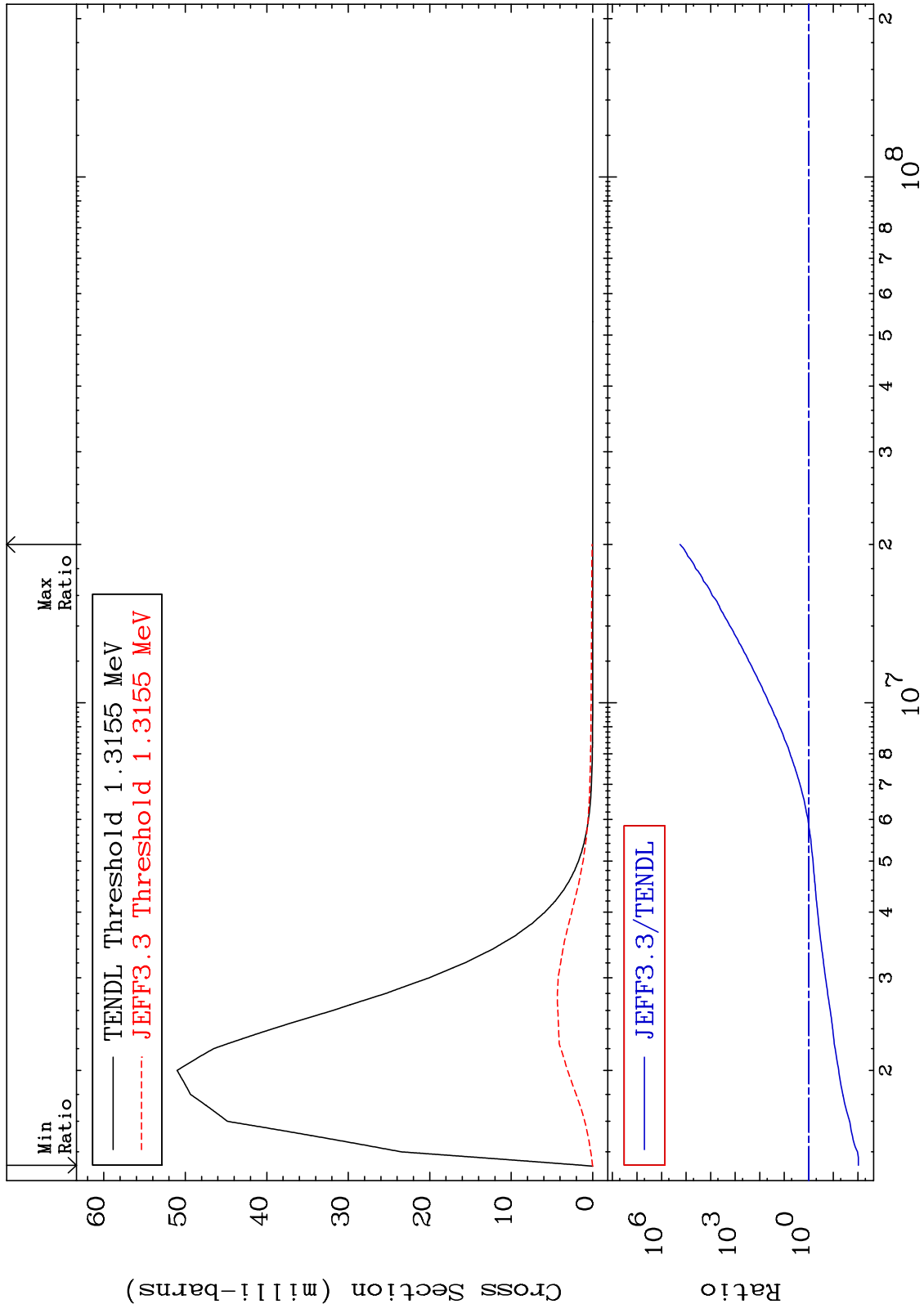
MAT 5046 MT= 60 (n, n') Level Cross Section 50-Sn-119 To 9999. %
 132.5



MAT 5046 MT= 61 (n,n') Level Cross Section 50-Sn-119 2.292 To 9999. %

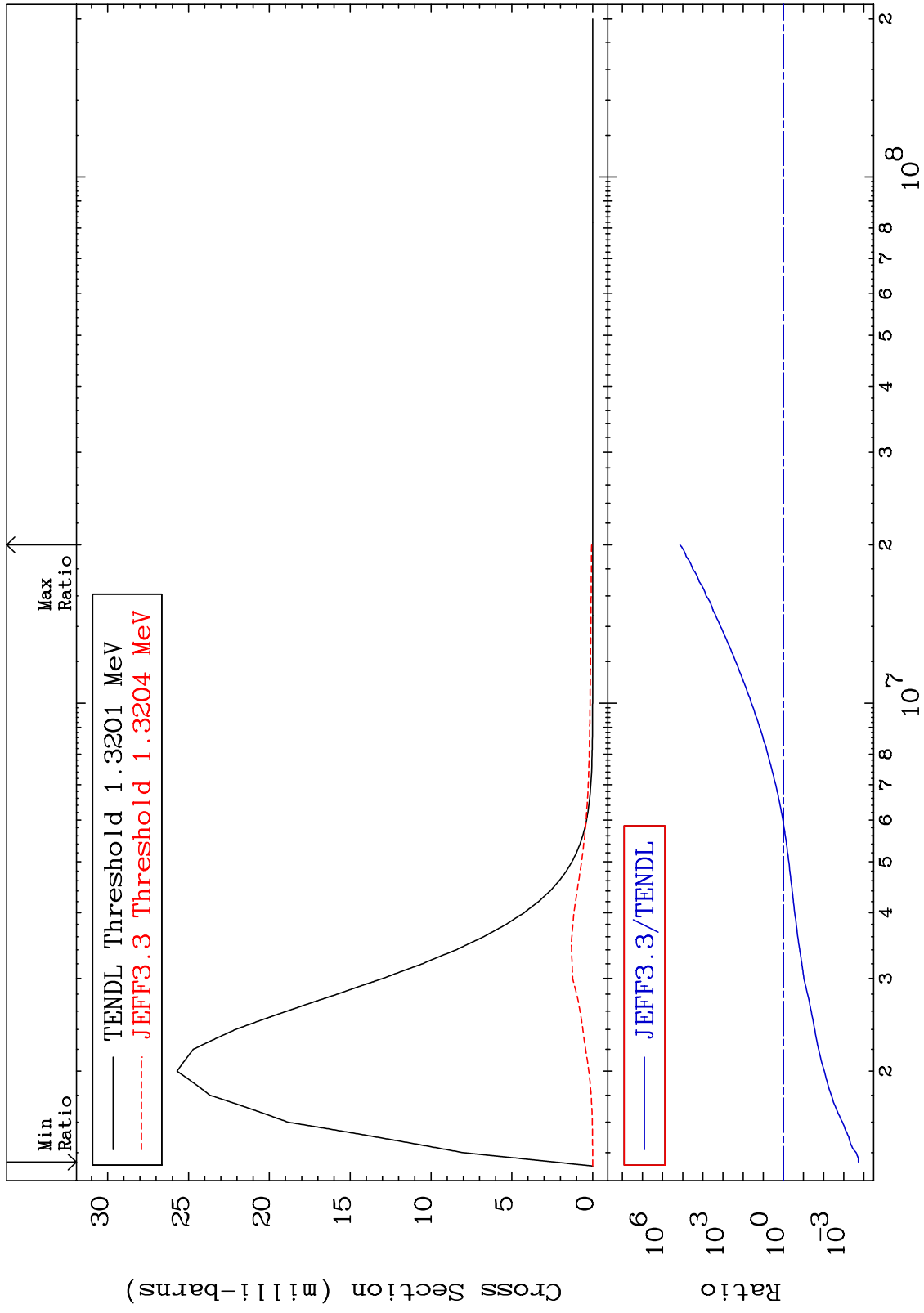


MAT 5046 MT= 62 (n,n') Level Cross Section 50-Sn-119 -99.05 To 9999. %



20 Incident Energy (eV) 50-Sn-119

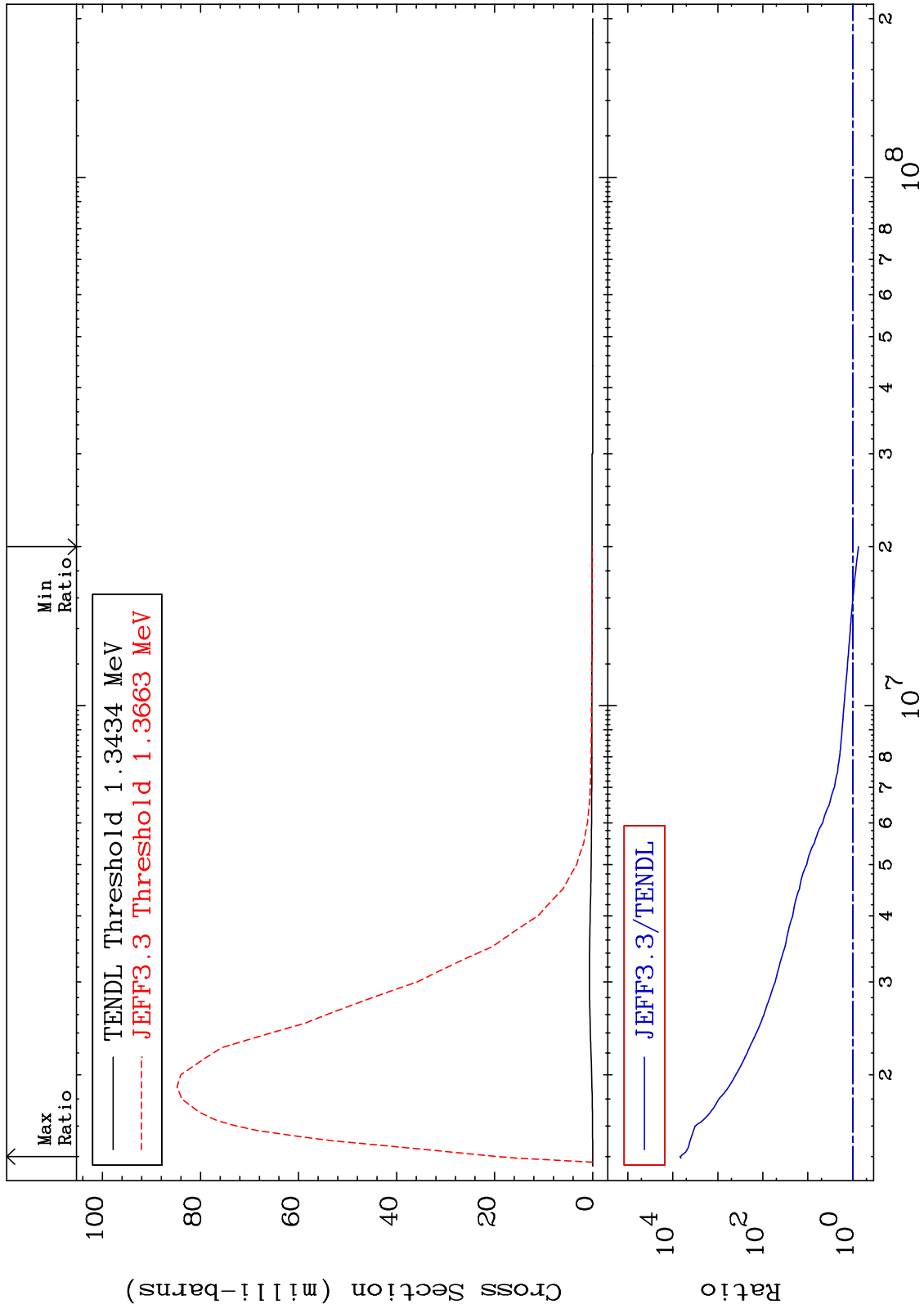
MAT 5046 MT= 63 (n, n') Level Cross Section 50-Sn-119 -99.98 To 9999. %



MAT 5046

MT= 64 (n,n') Level
Cross Section

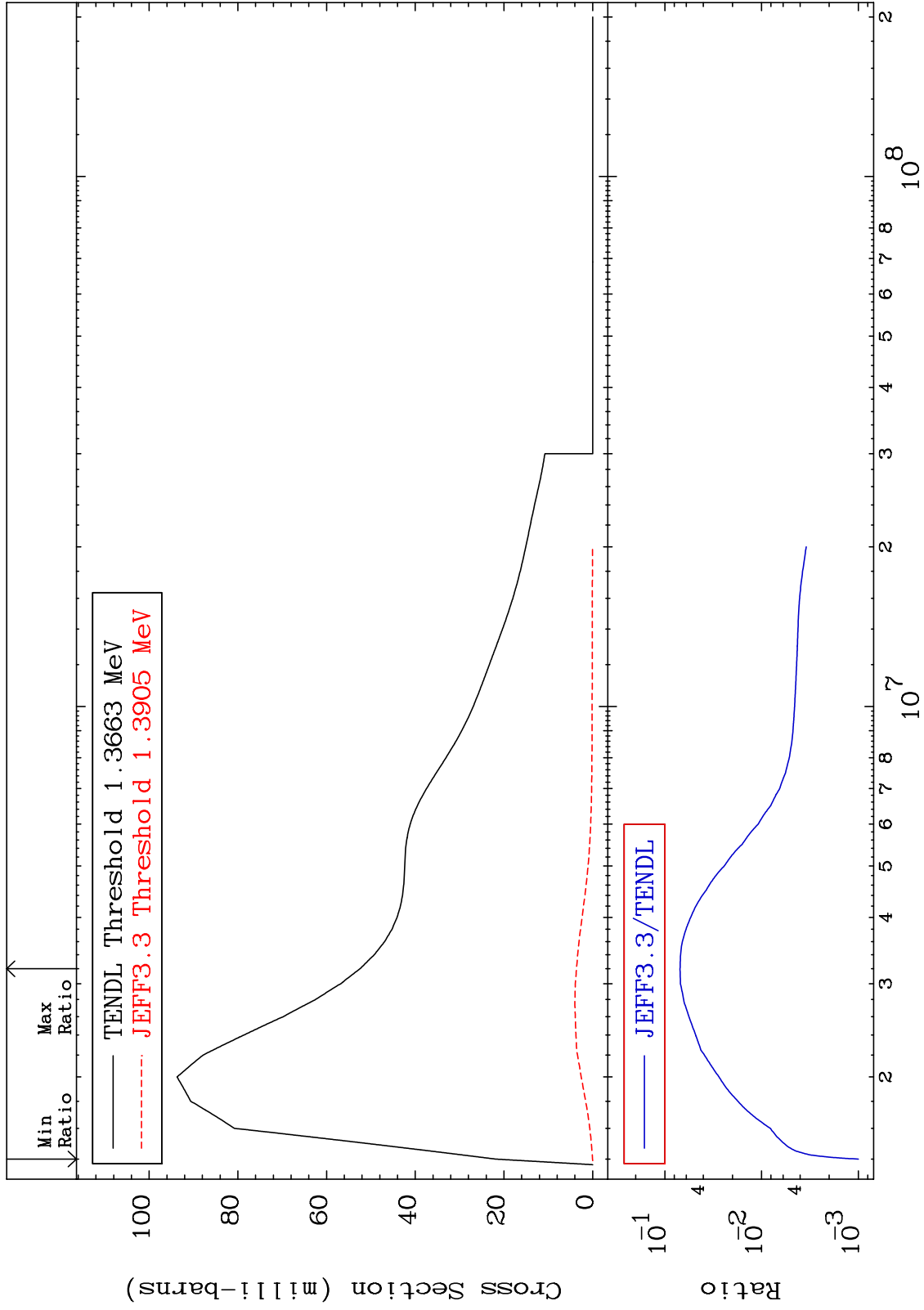
50-Sn-119
-24.72 To 9999. %



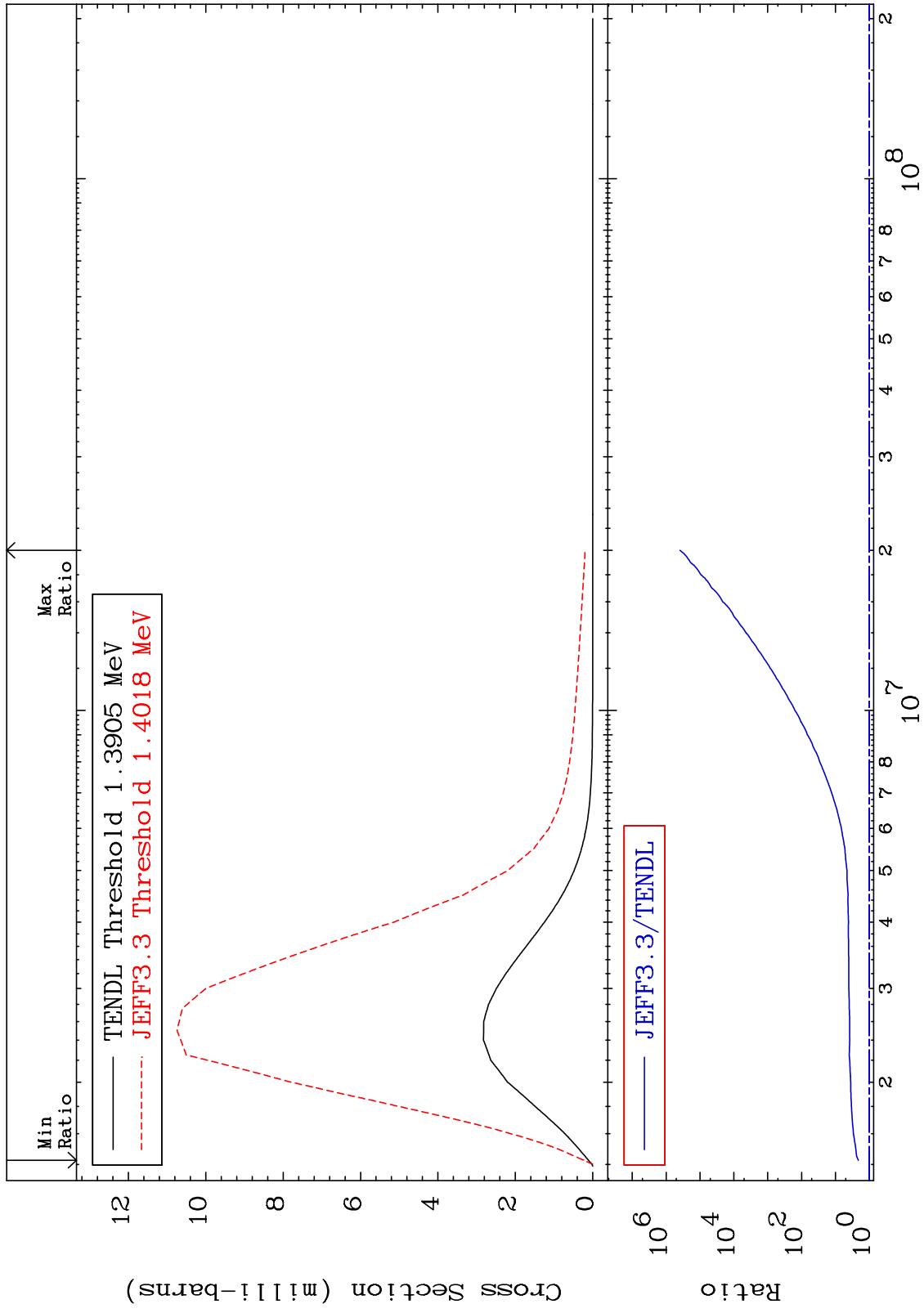
MAT 5046

MT= 65 (n,n') Level
Cross Section

50-Sn-119
-99.90 To -93.04%



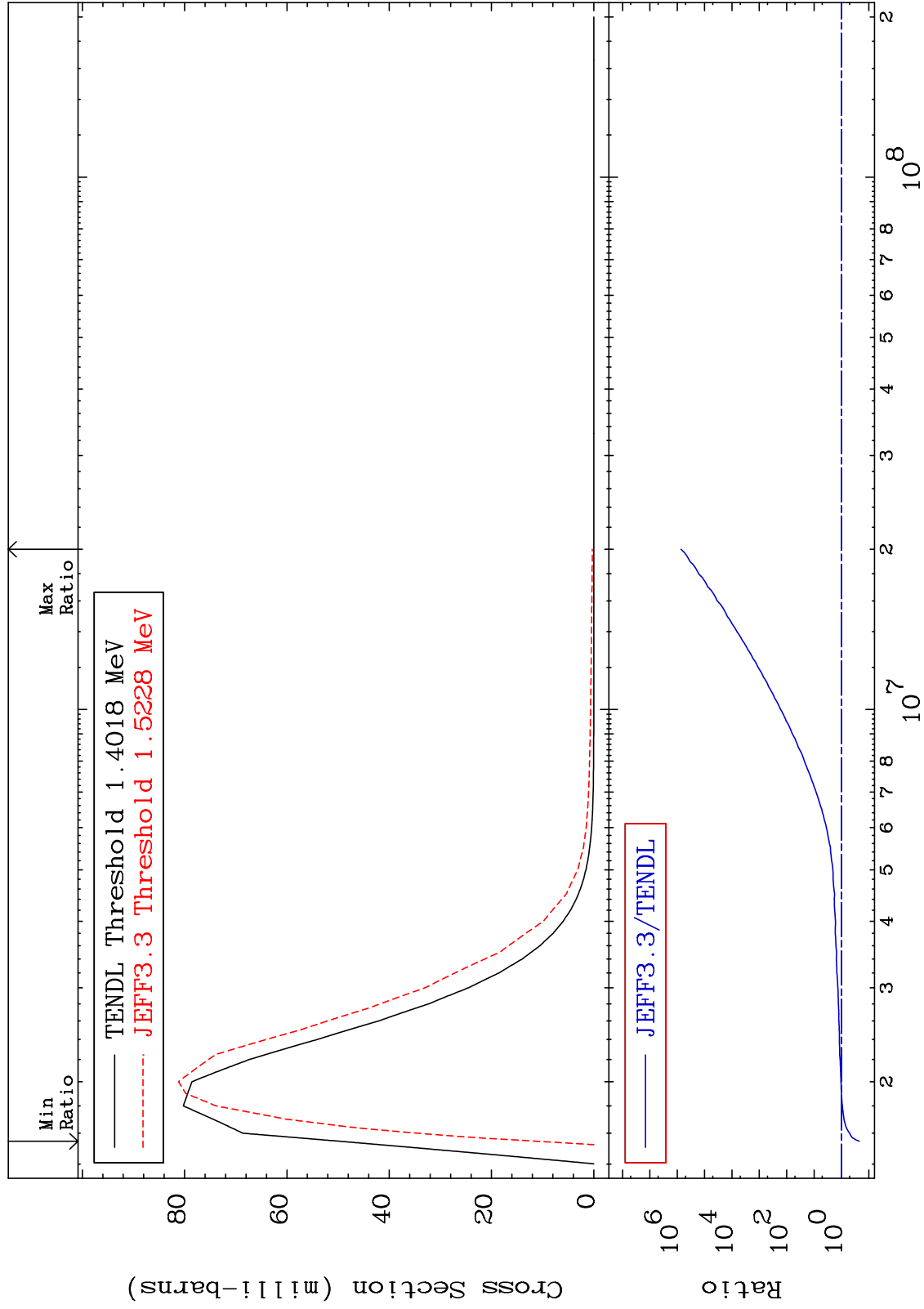
MAT 5046 MT= 66 (n,n') Level Cross Section 50-Sn-119 To 9999. %
 109.7



MAT 5046

MT= 67 (n,n') Level
Cross Section

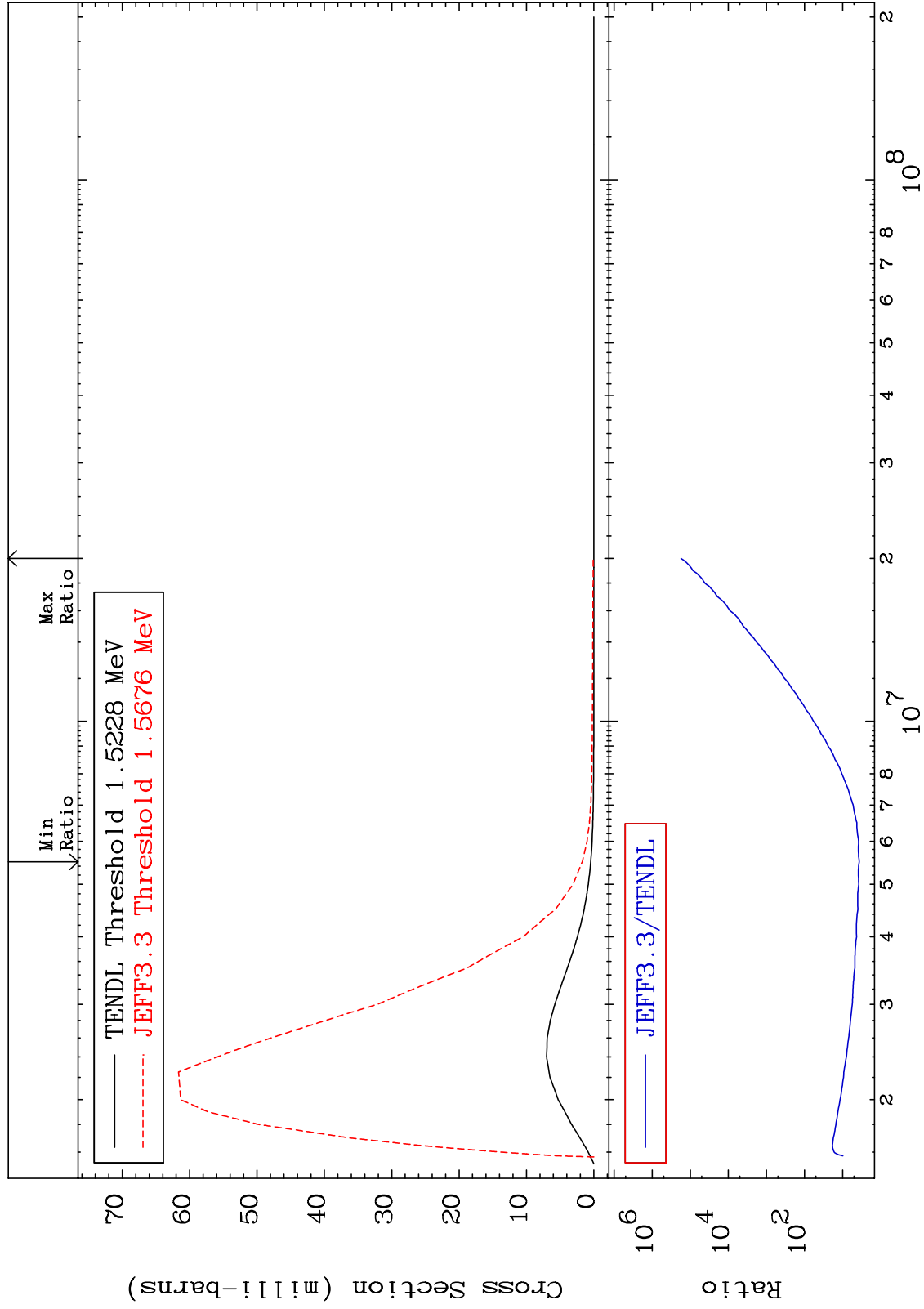
50-Sn-119
-77.79 To 9999. %



MAT 5046

MT= 68 (n,n') Level
Cross Section

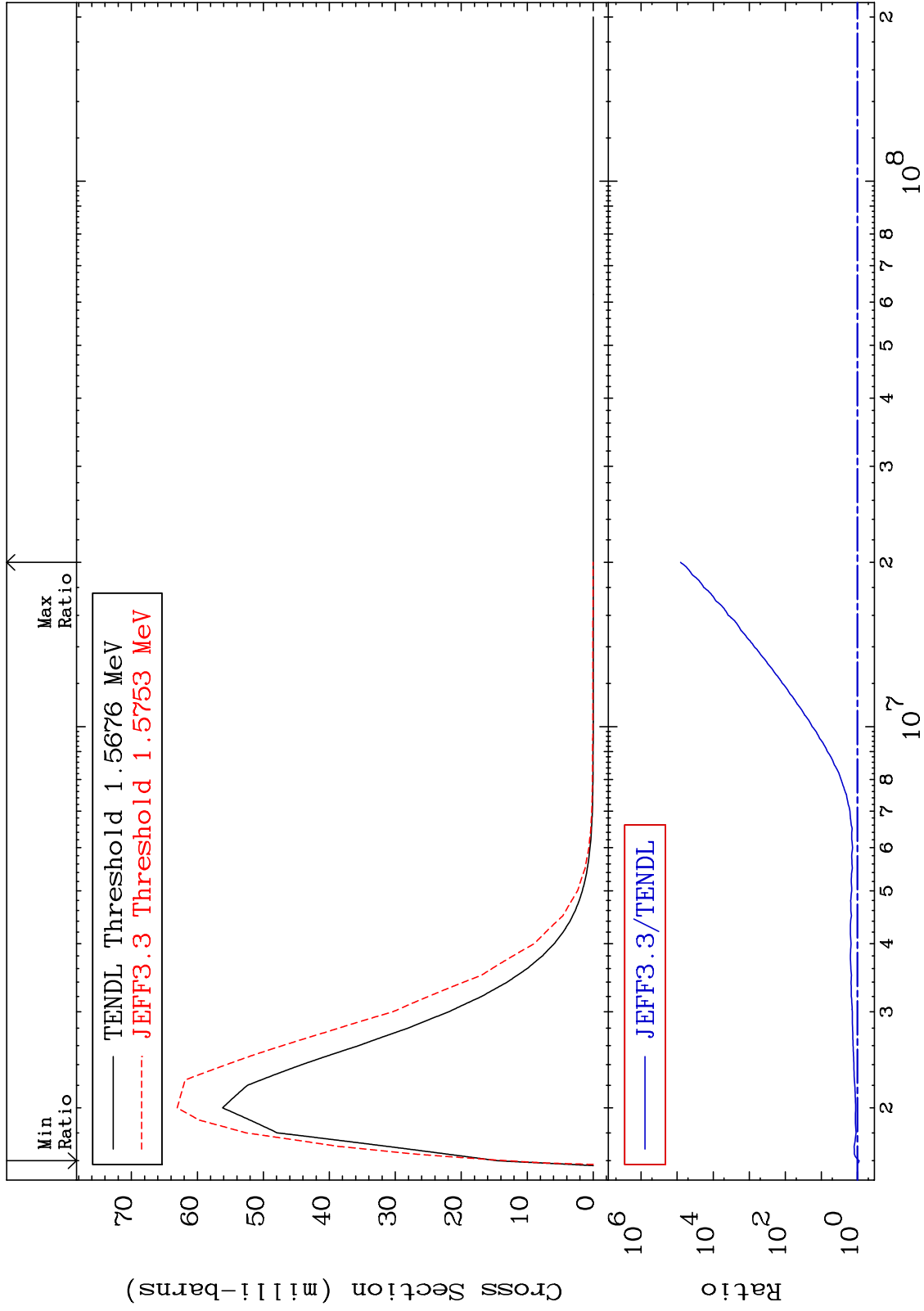
50-Sn-119
264.4 To 9999. %



MAT 5046

MT= 69 (n,n') Level
Cross Section

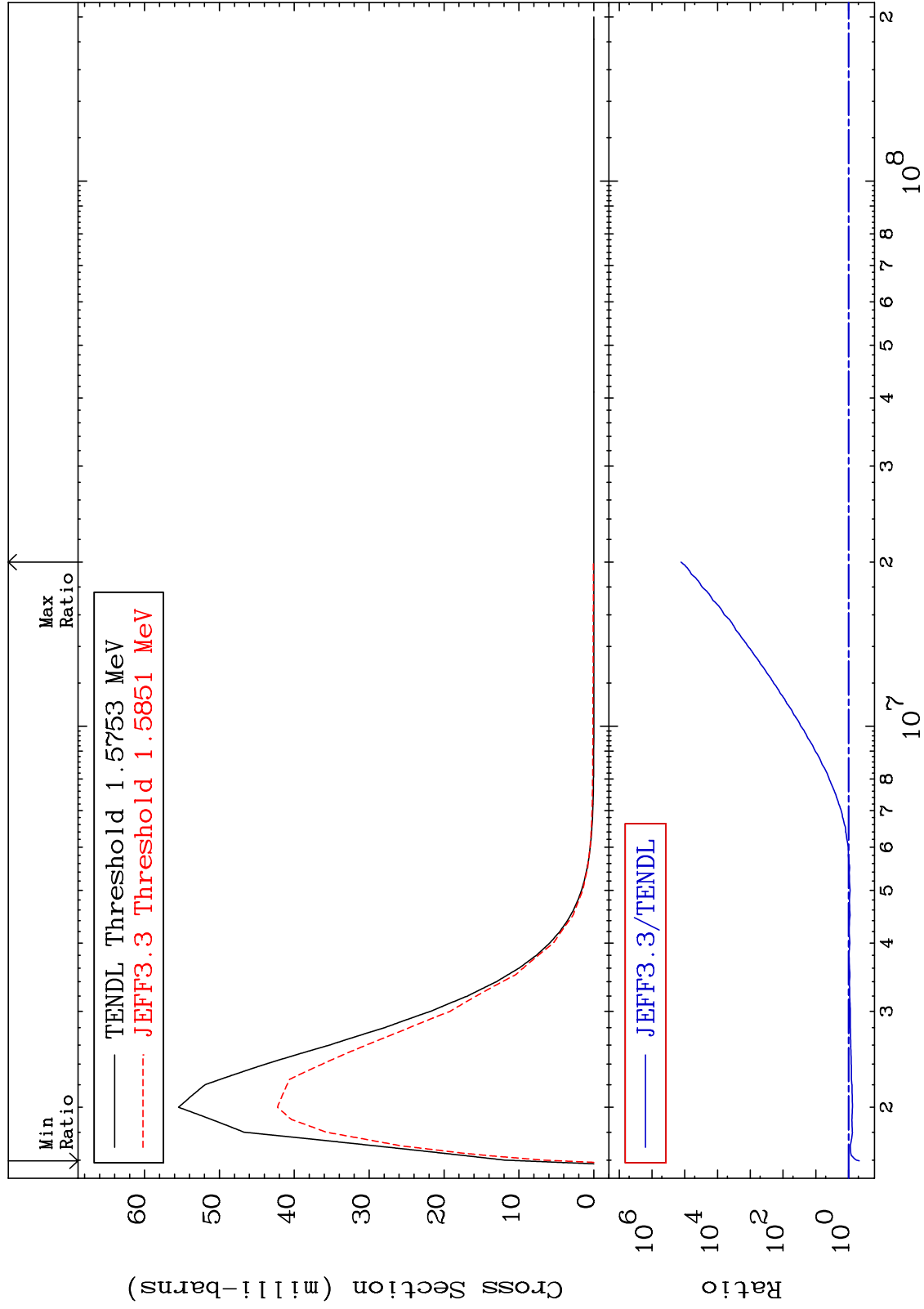
50-Sn-119
-10.25 To 9999. %



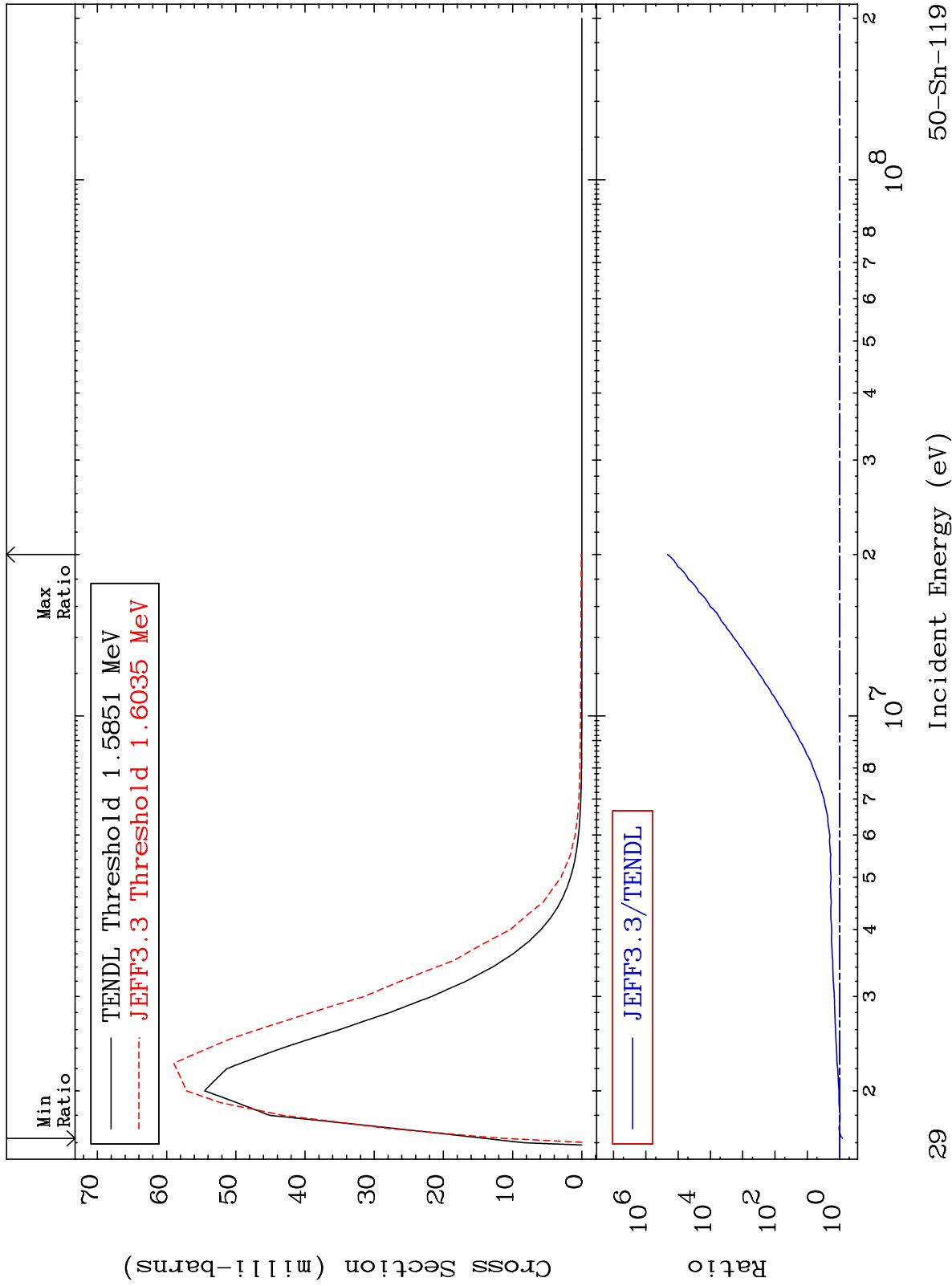
MAT 5046

MT= 70 (n,n') Level
Cross Section

50-Sn-119
-52.87 To 9999. %



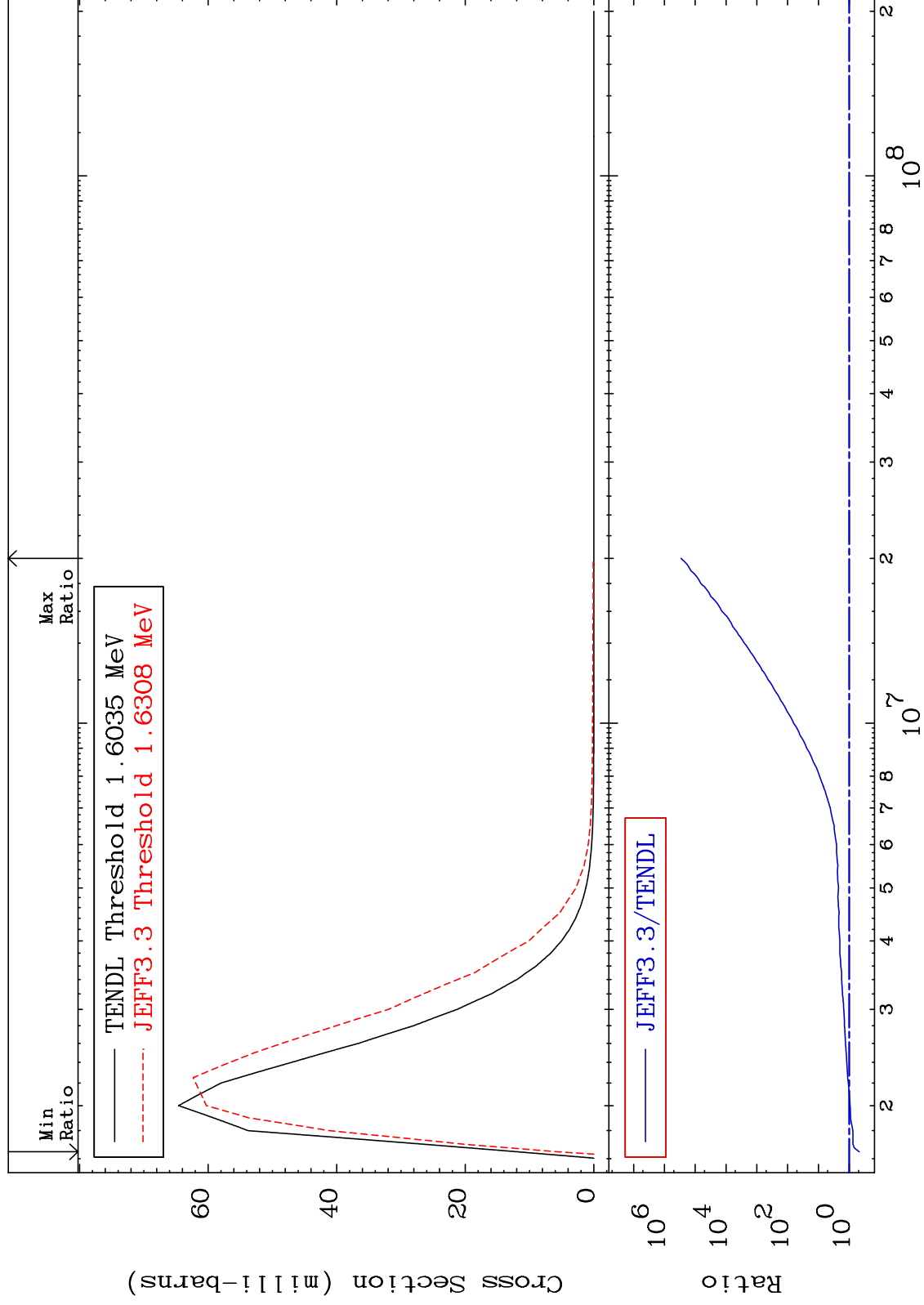
MAT 5046 MT= 71 (n,n') Level Cross Section 50-Sn-119
 -19.97 To 9999. %



MAT 5046

MT= 72 (n,n') Level
Cross Section

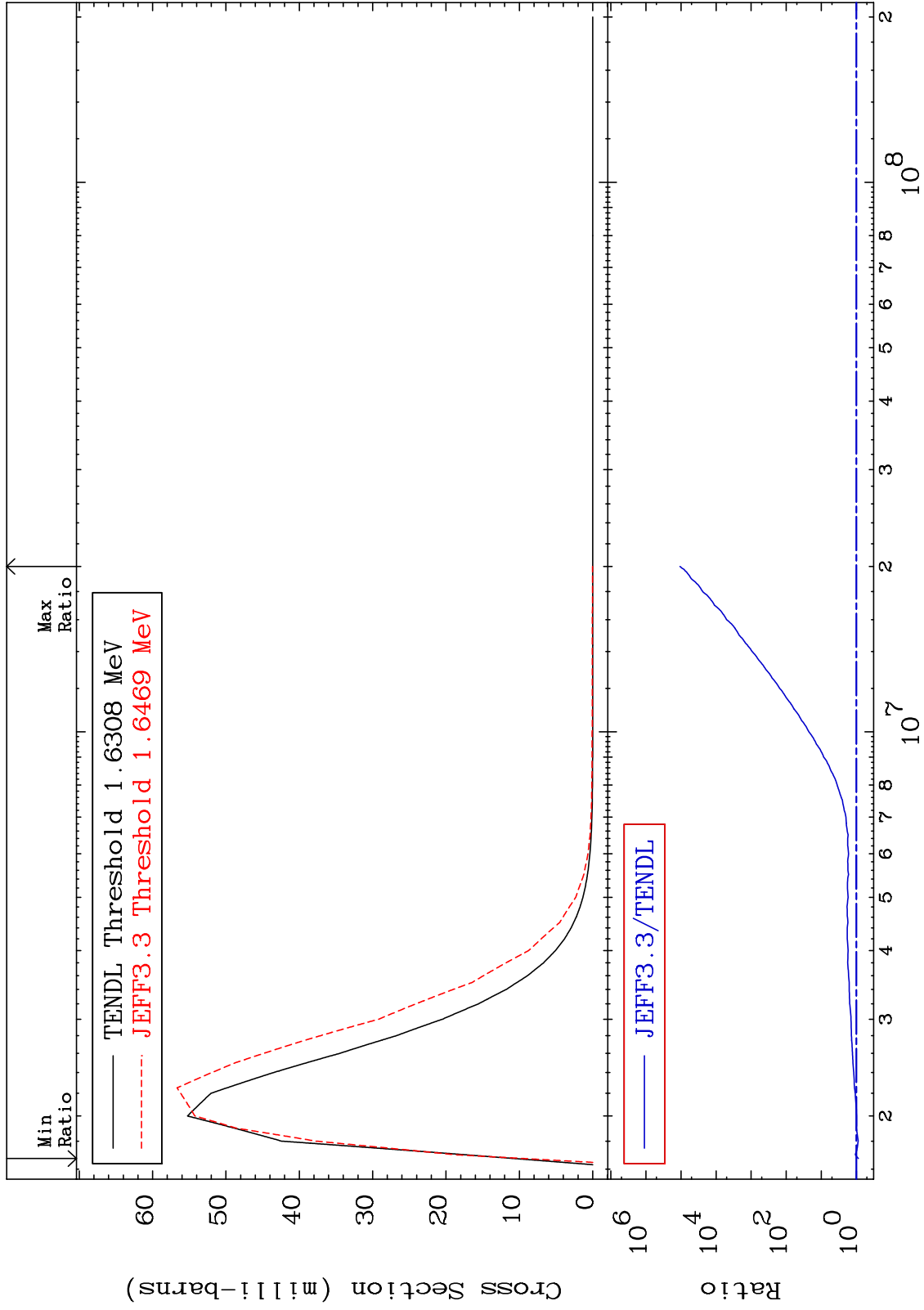
50-Sn-119
-52.76 To 9999. %



MAT 5046

MT= 73 (n,n') Level
Cross Section

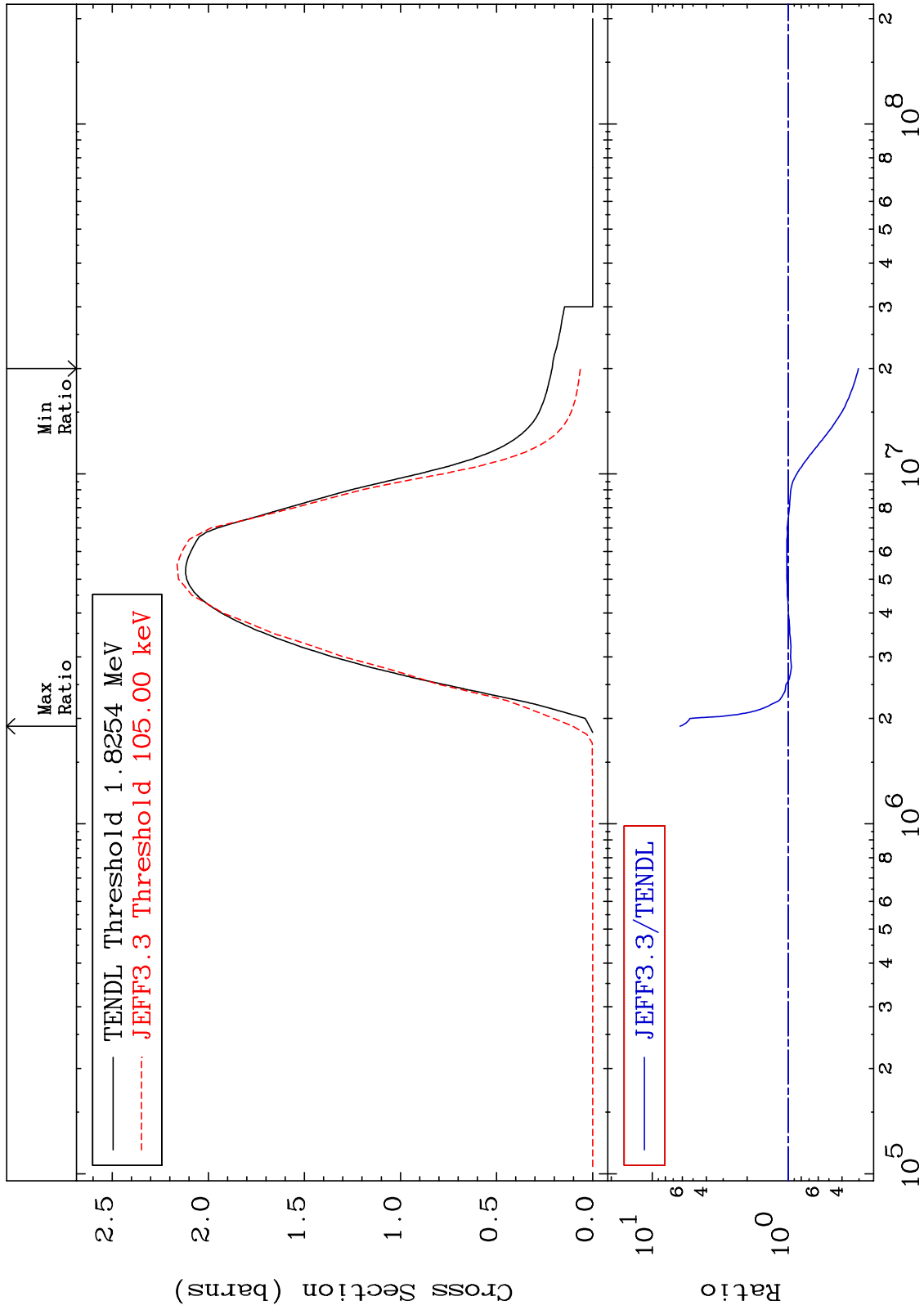
50-Sn-119
-12.37 To 9999. %



MAT 5046

(n, n') Continuum
Cross Section

50-Sn-119
-69.67 To 524.1 %



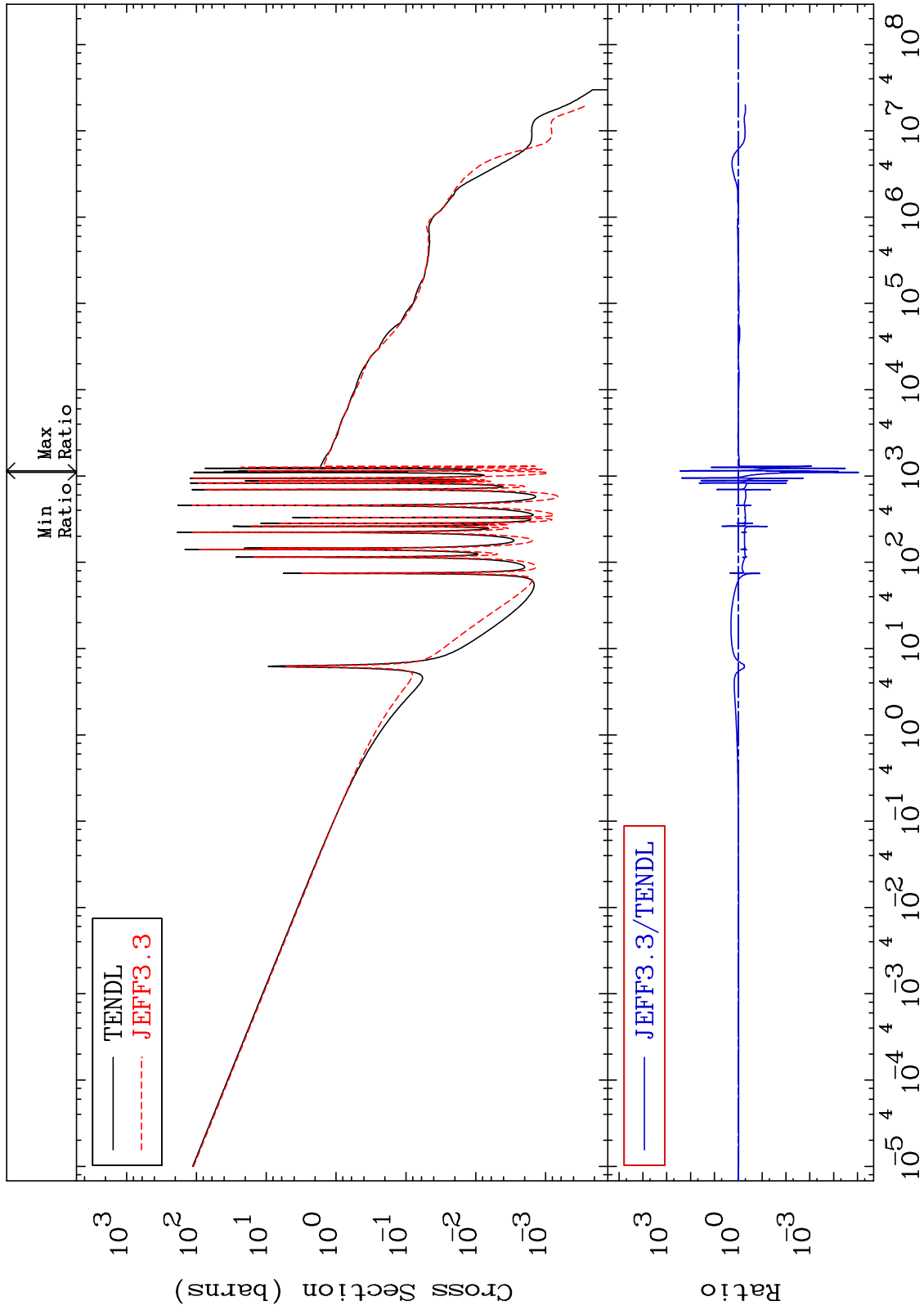
32

50-Sn-119

MAT 5046

(n, γ)
Cross Section

50-Sn-119
-100.0 To 9999. %



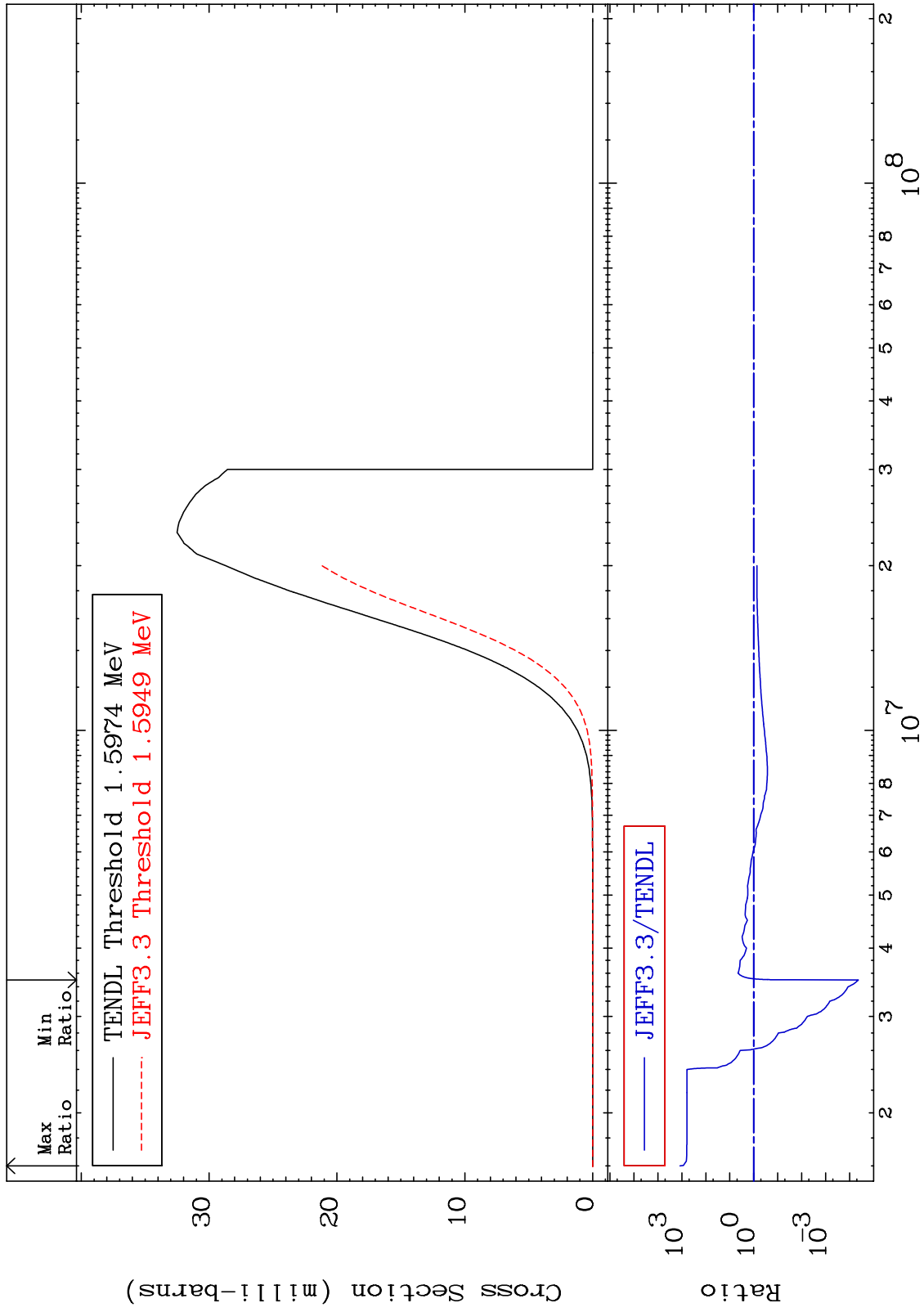
MAT 5046

(n,p)

50-Sn-119

Cross Section

-100.0 To 9999. %



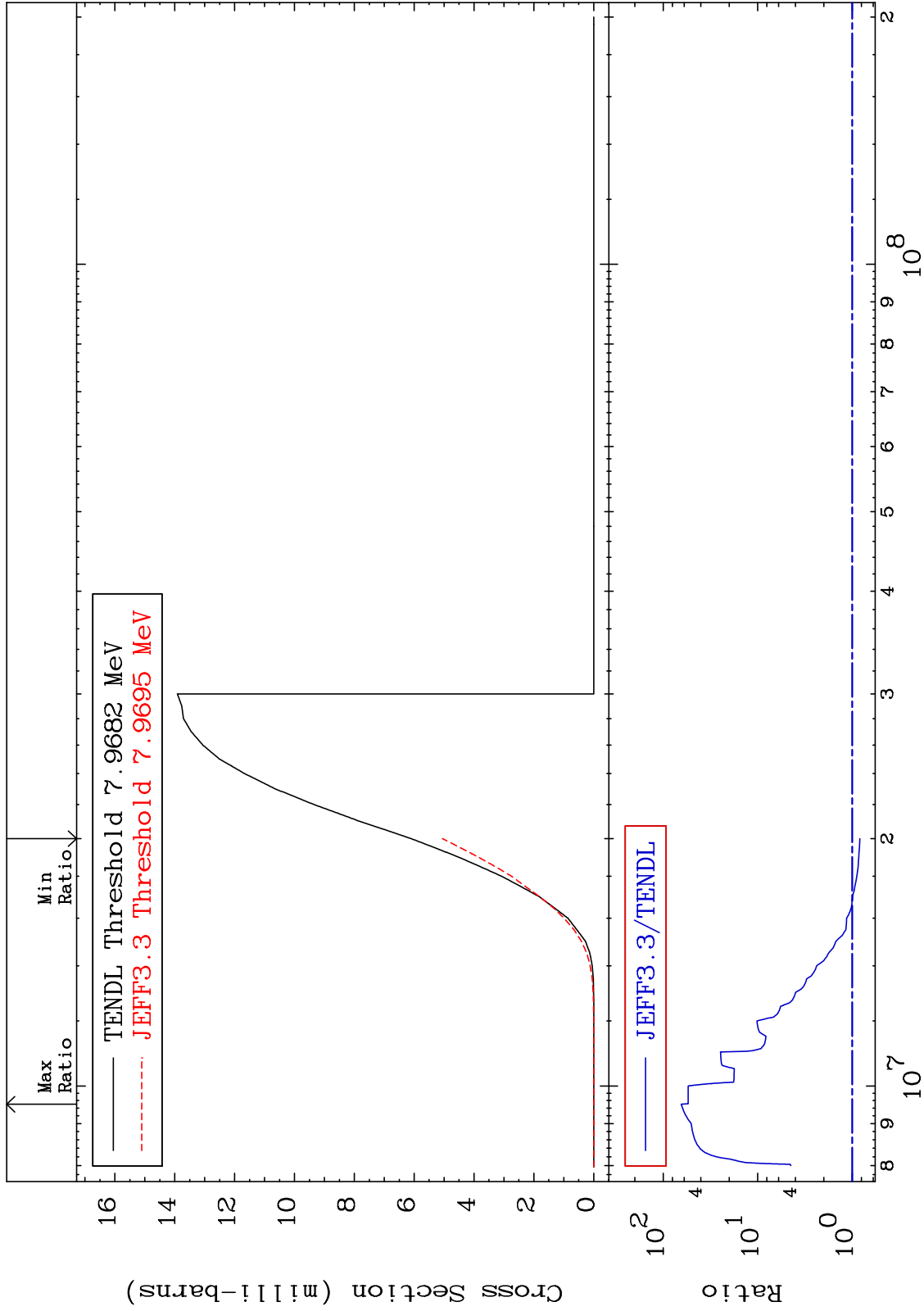
MAT 5046

(n, d)

50-Sn-119

Cross Section

-17.15 To 6351. %



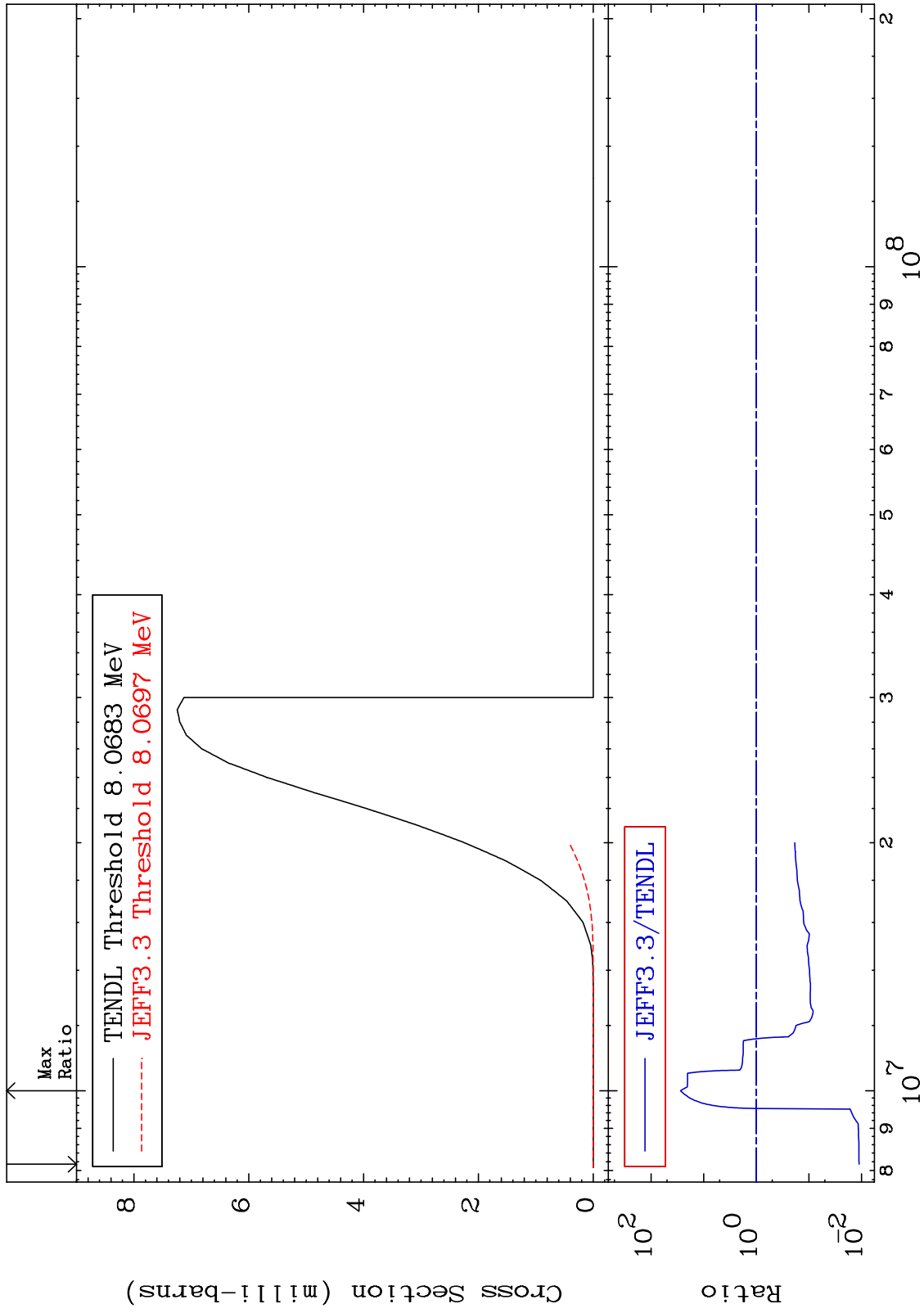
MAT 5046

(n, t)

50-Sn-119

Cross Section

-98.89 To 2651. %



36

Incident Energy (eV)

50-Sn-119

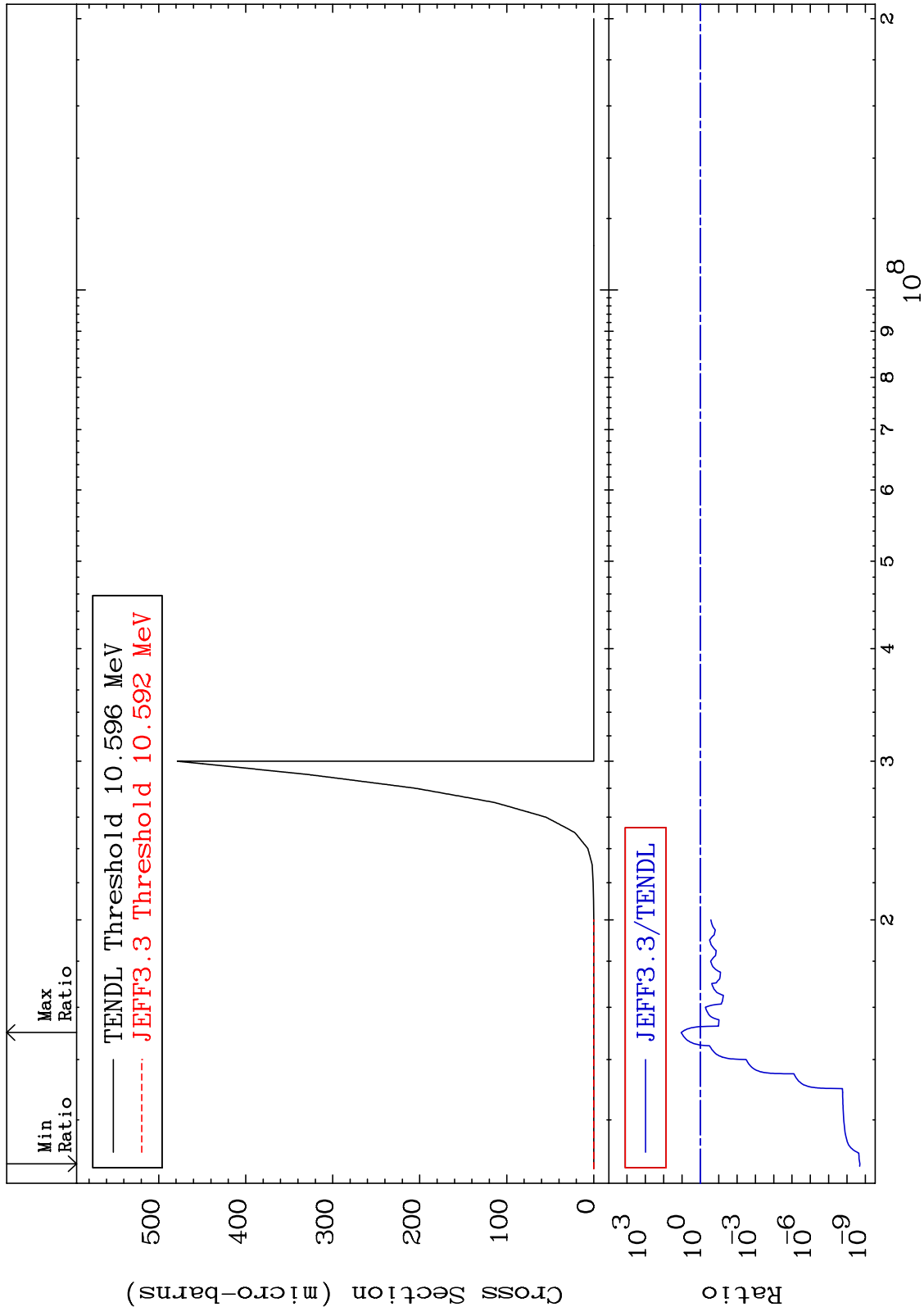
MAT 5046

(n, He-3)

50-Sn-119

Cross Section

-100.0 To 1001. %



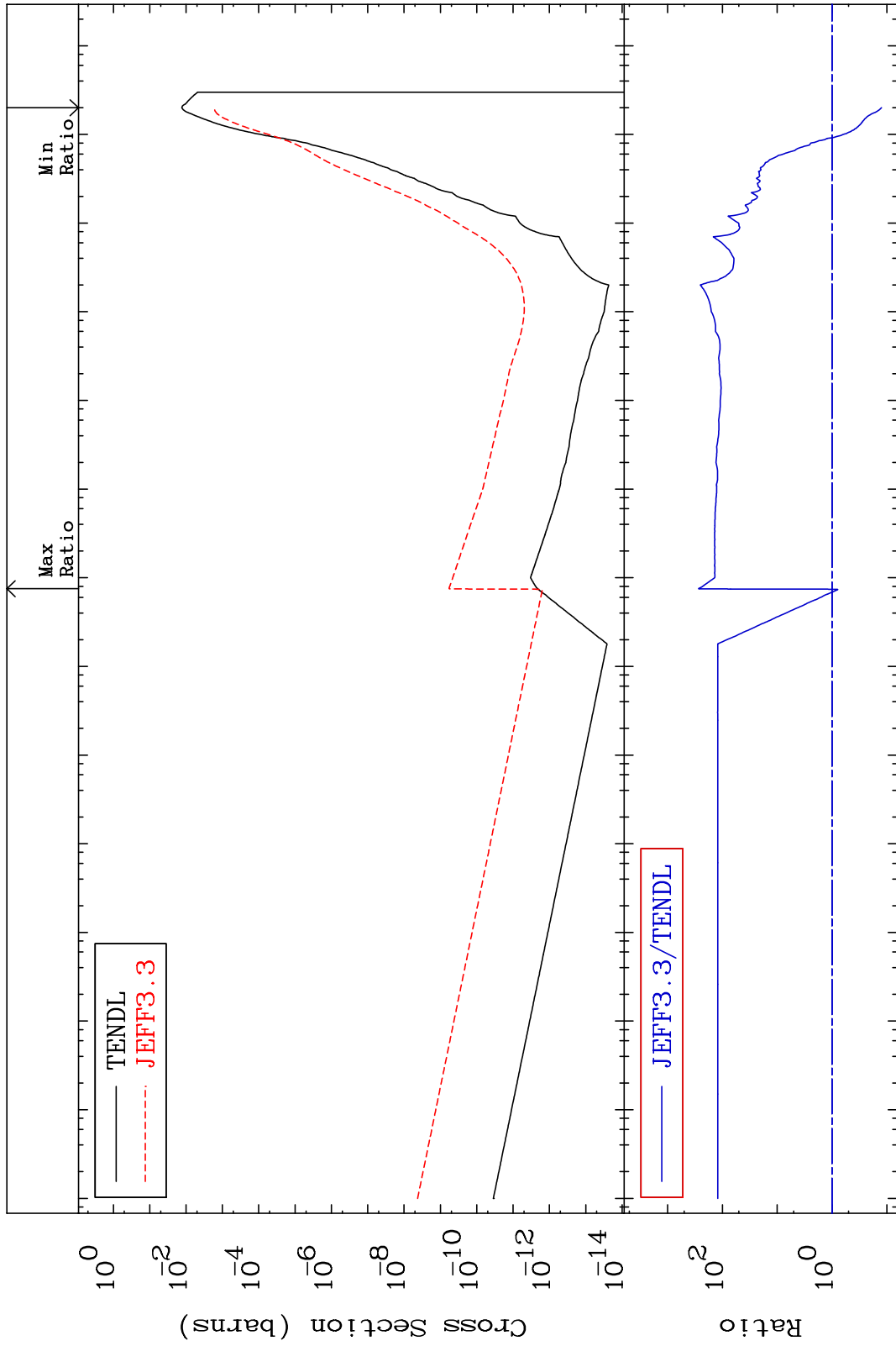
MAT 5046

(n, α)

50-Sn-119

Cross Section

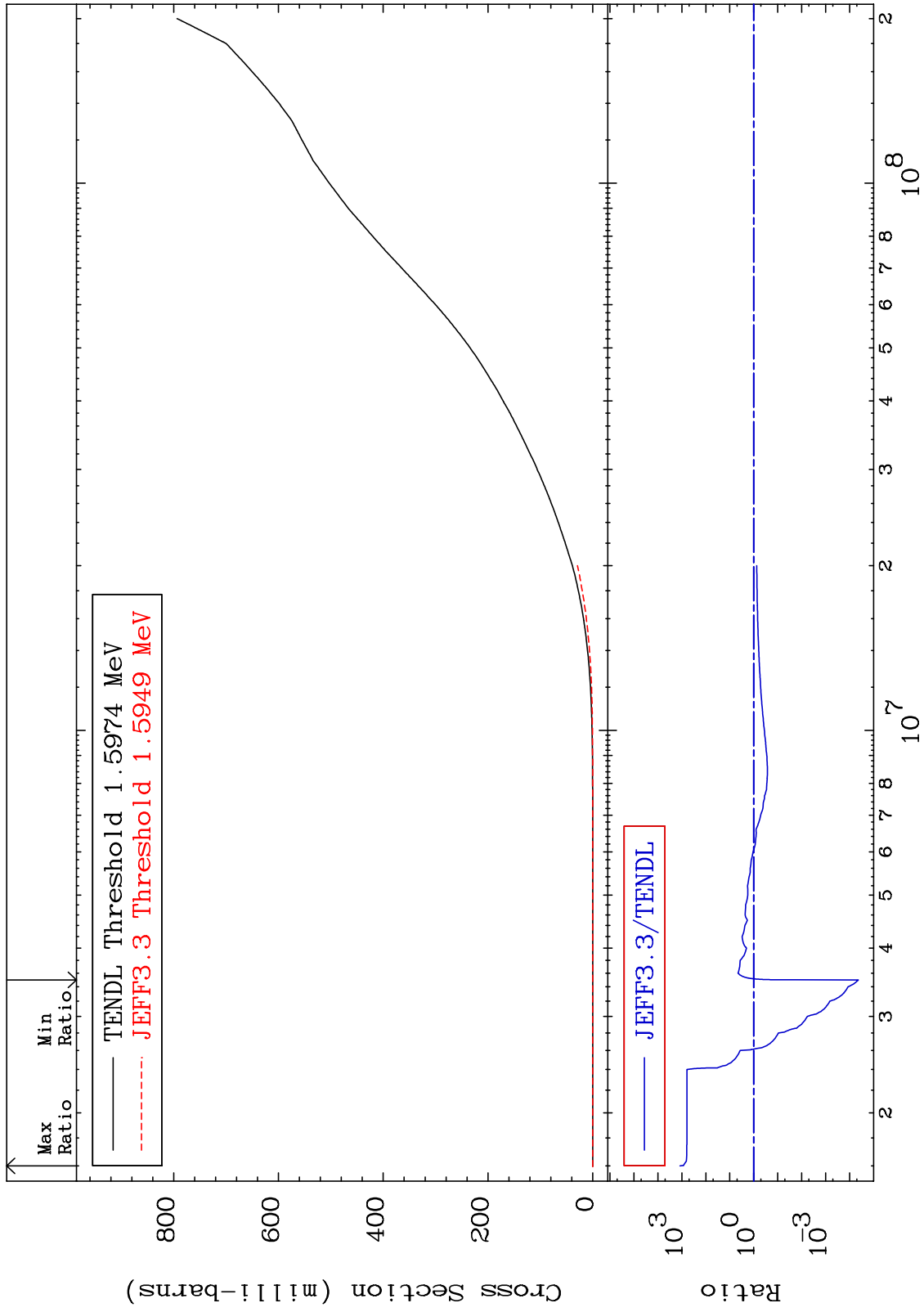
-87.49 To 9999. %



MAT 5046

Hydrogen Production
Cross Section

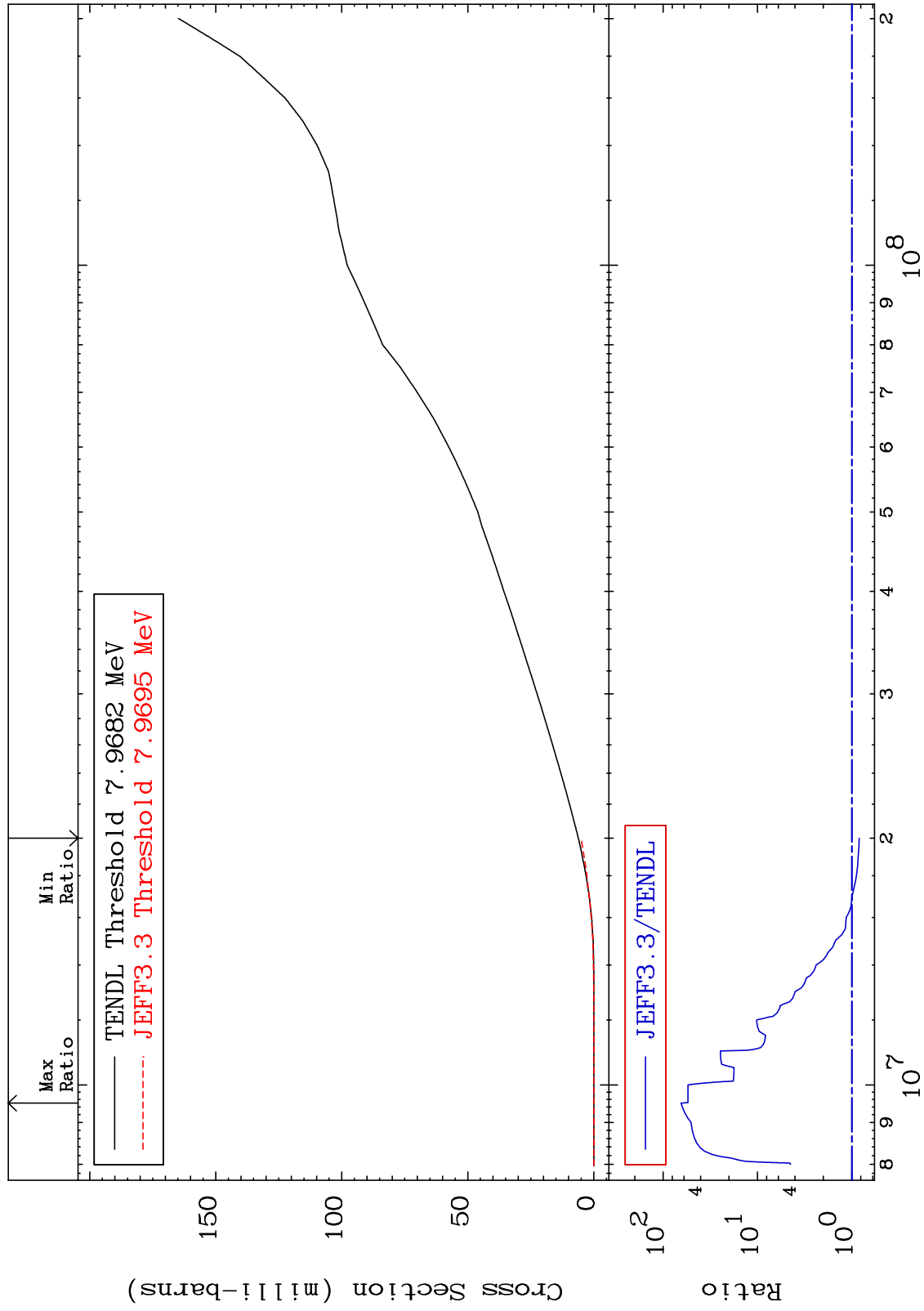
50-Sn-119
-100.0 To 9999. %



MAT 5046

Deuterium Production
Cross Section

50-Sn-119
-16.85 To 6351. %



40

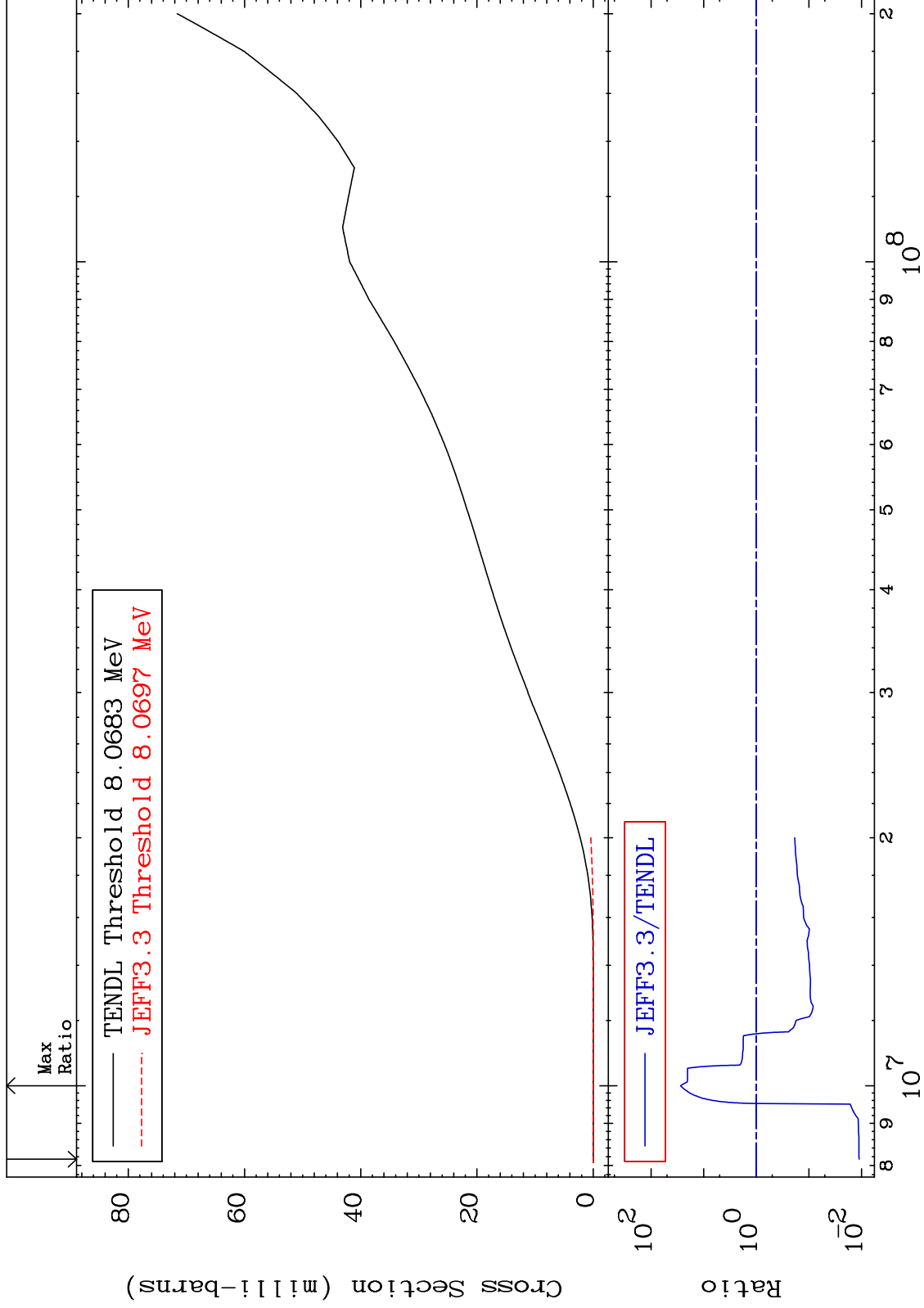
Incident Energy (eV)

50-Sn-119

MAT 5046

Tritium Production
Cross Section

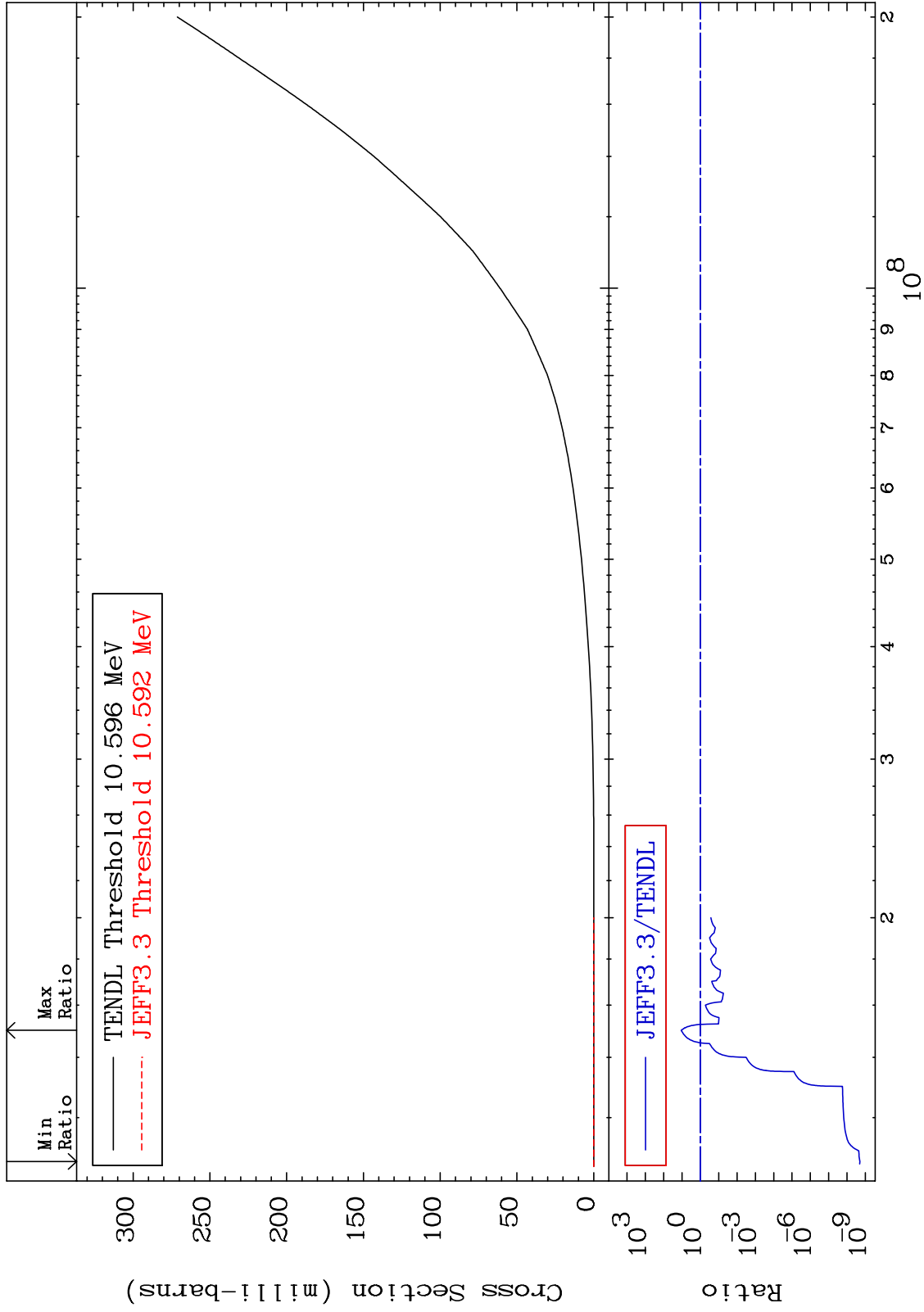
50-Sn-119
-98.89 To 2651. %



MAT 5046

He-3 Production
Cross Section

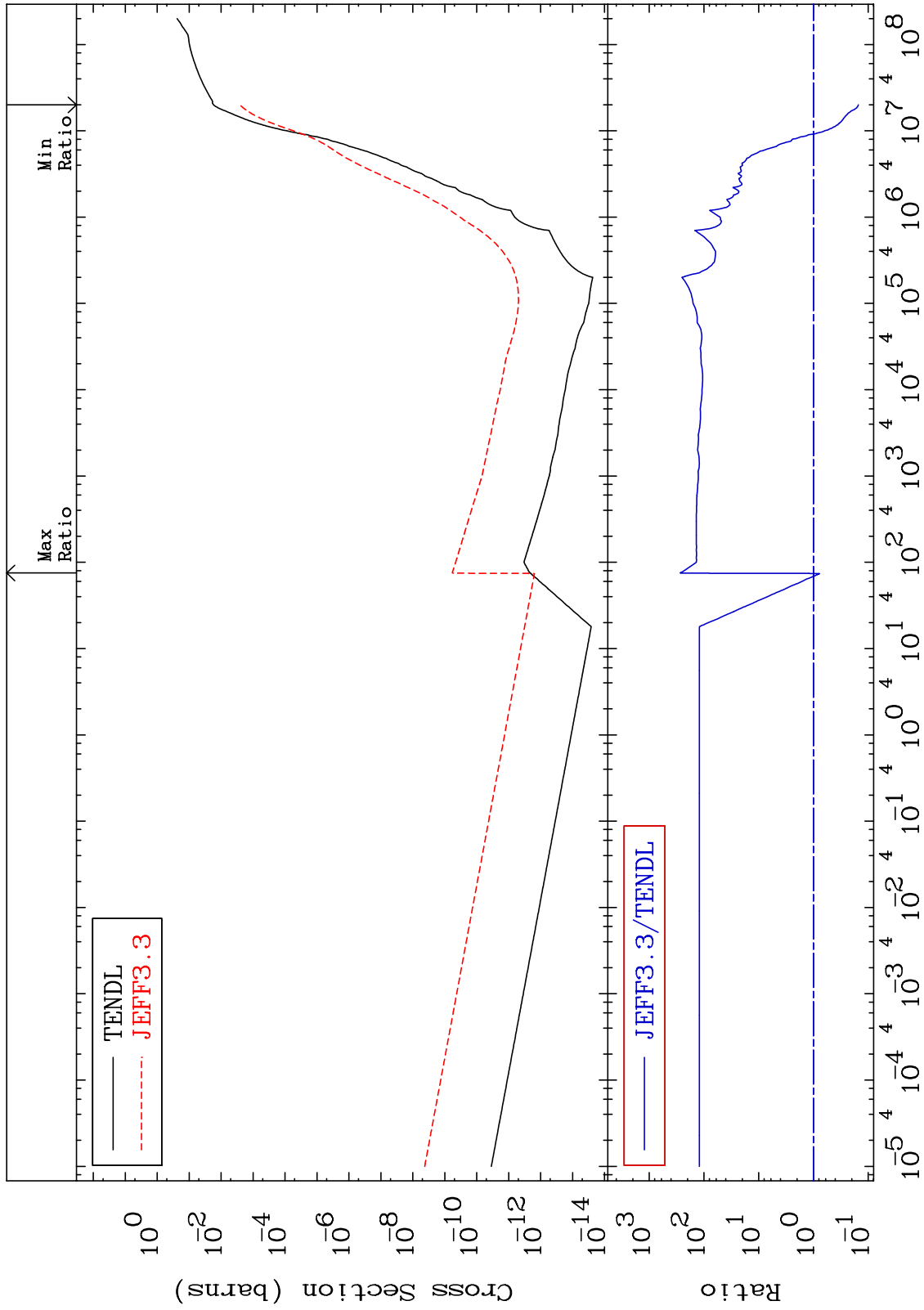
50-Sn-119
-100.0 To 1001. %



MAT 5046

He-4 Production
Cross Section

50-Sn-119
-84.90 To 9999. %



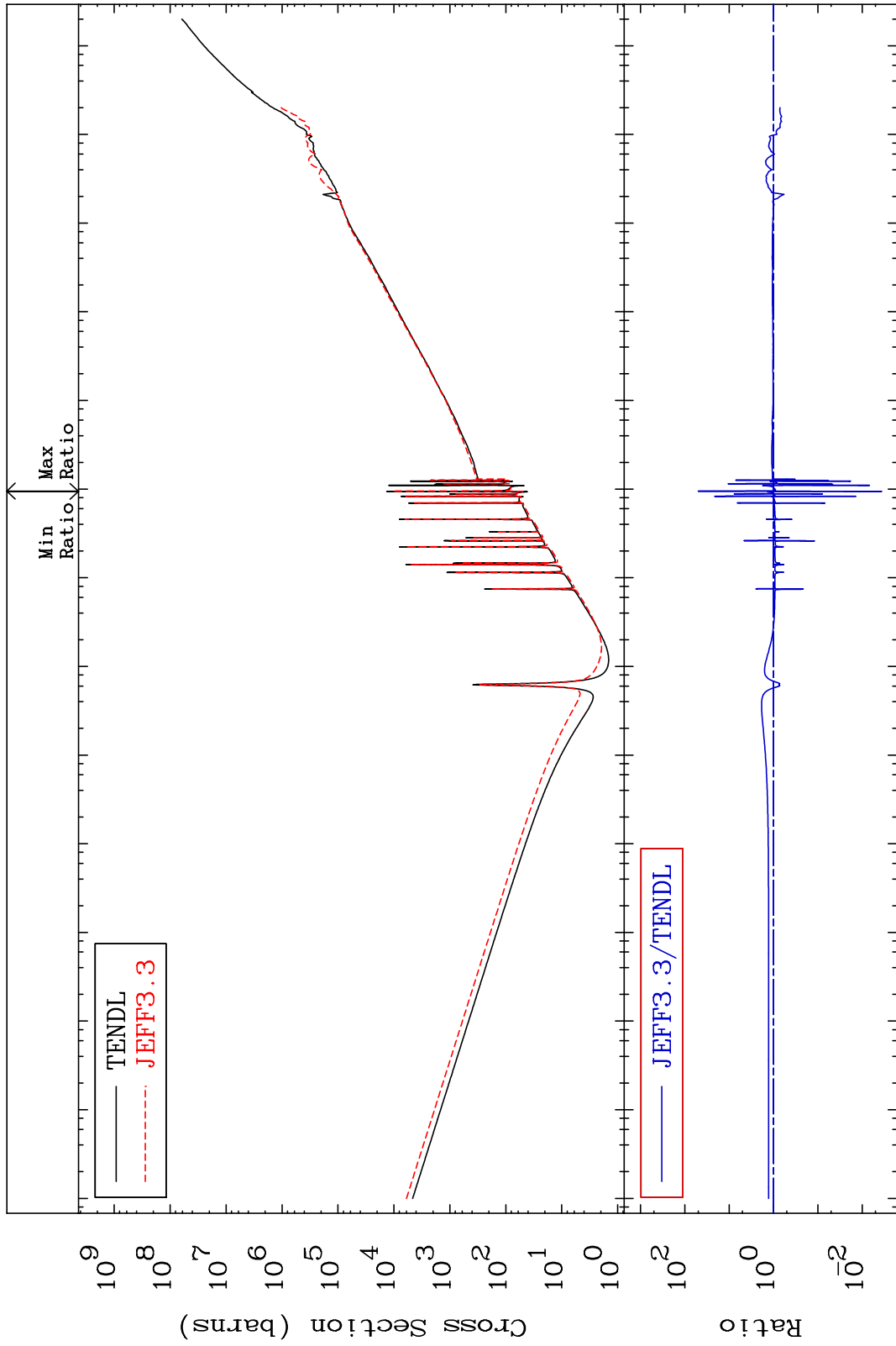
MAT 5046

Kerma total (eV-barns)

50-Sn-119

-99.64 To 4860. %

Cross Section



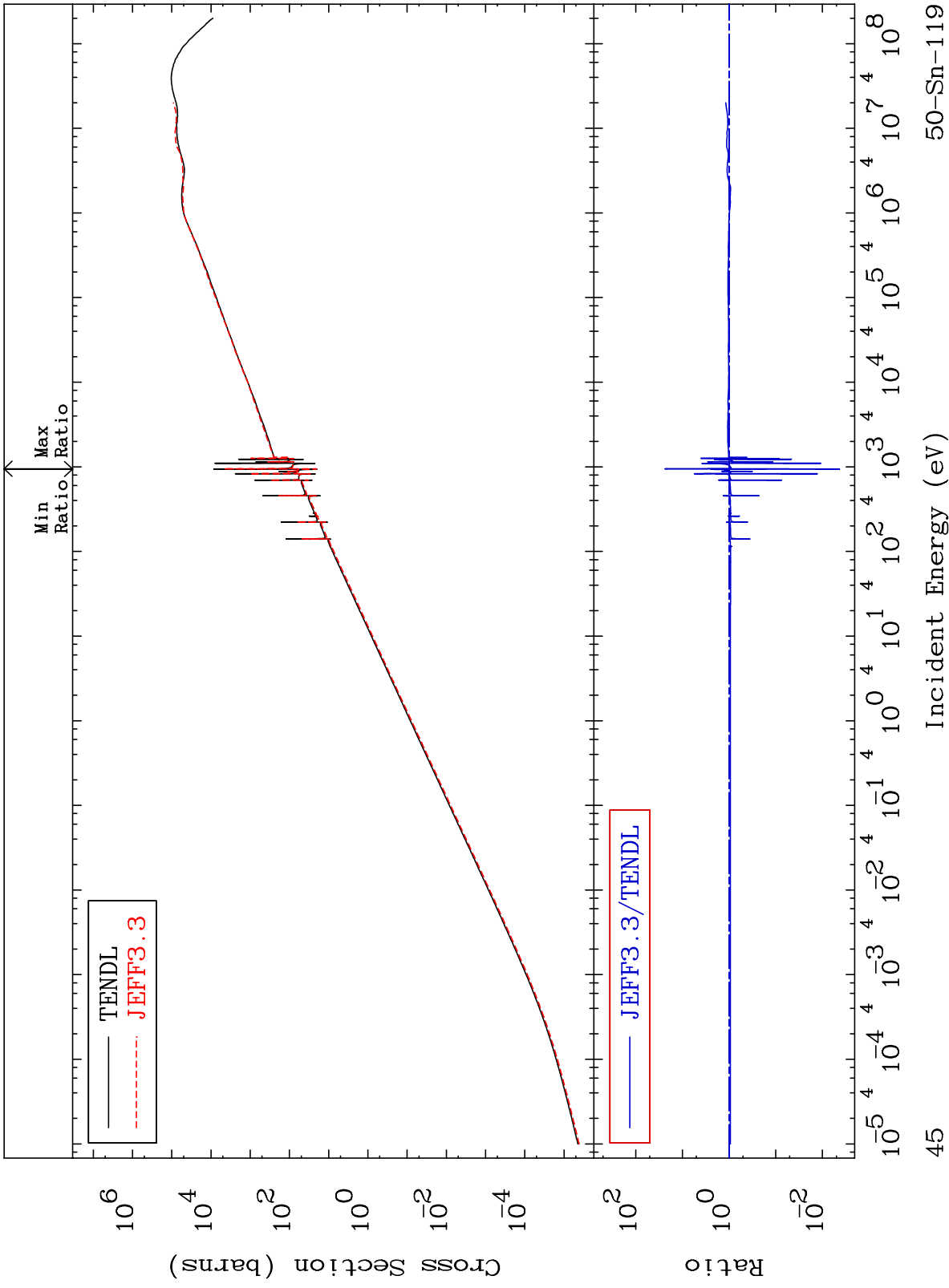
Incident Energy (eV)

50-Sn-119

MAT 5046

Kerma elastic
Cross Section

50-Sn-119
-99.58 To 2285. %



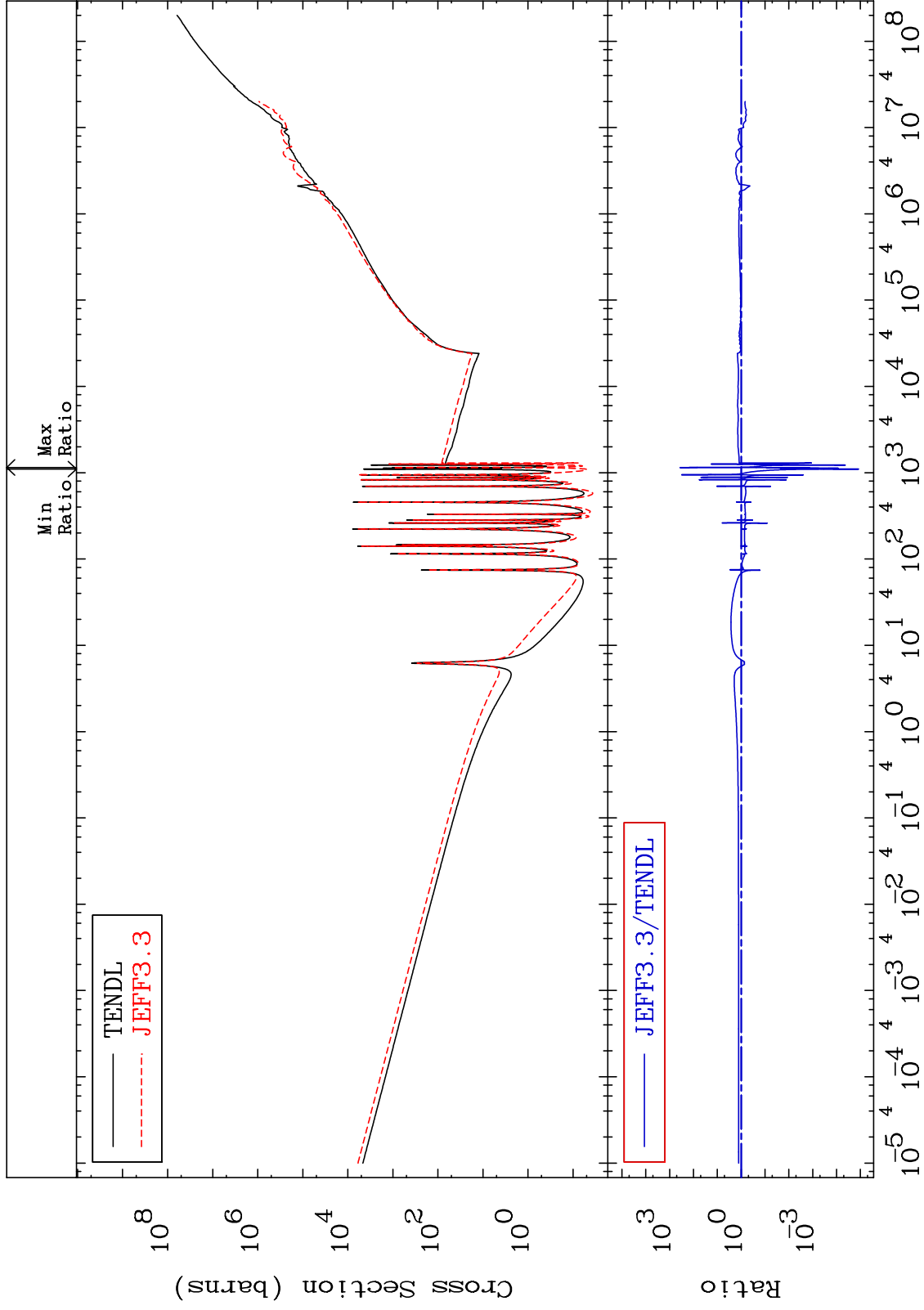
45

50-Sn-119

MAT 5046

Kerma non-elastic (all but mt2)
Cross Section

50-Sn-119
-100.0 To 9999. %



46

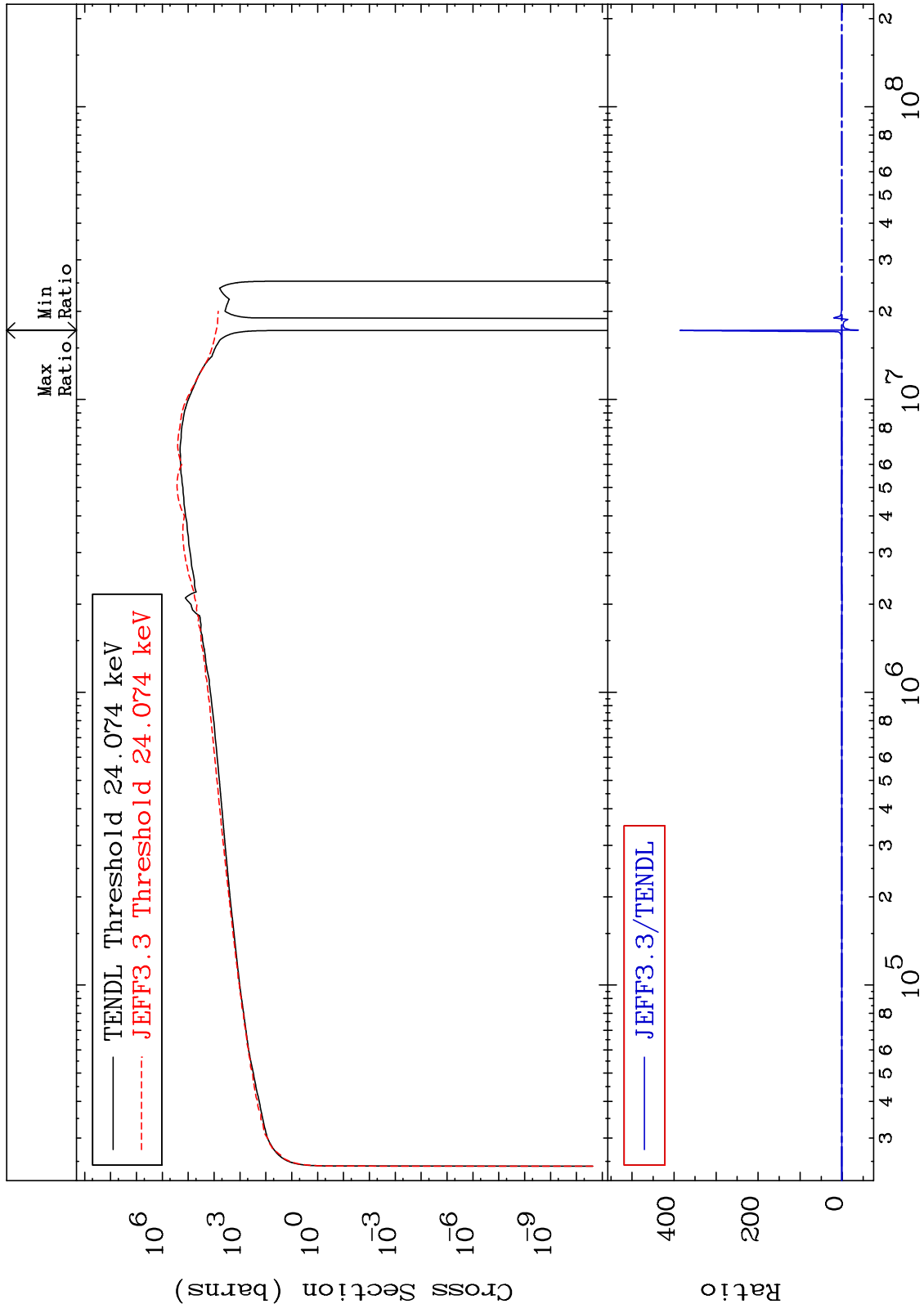
Incident Energy (eV)

50-Sn-119

MAT 5046

Kerma inelastic (mt51-91)
Cross Section

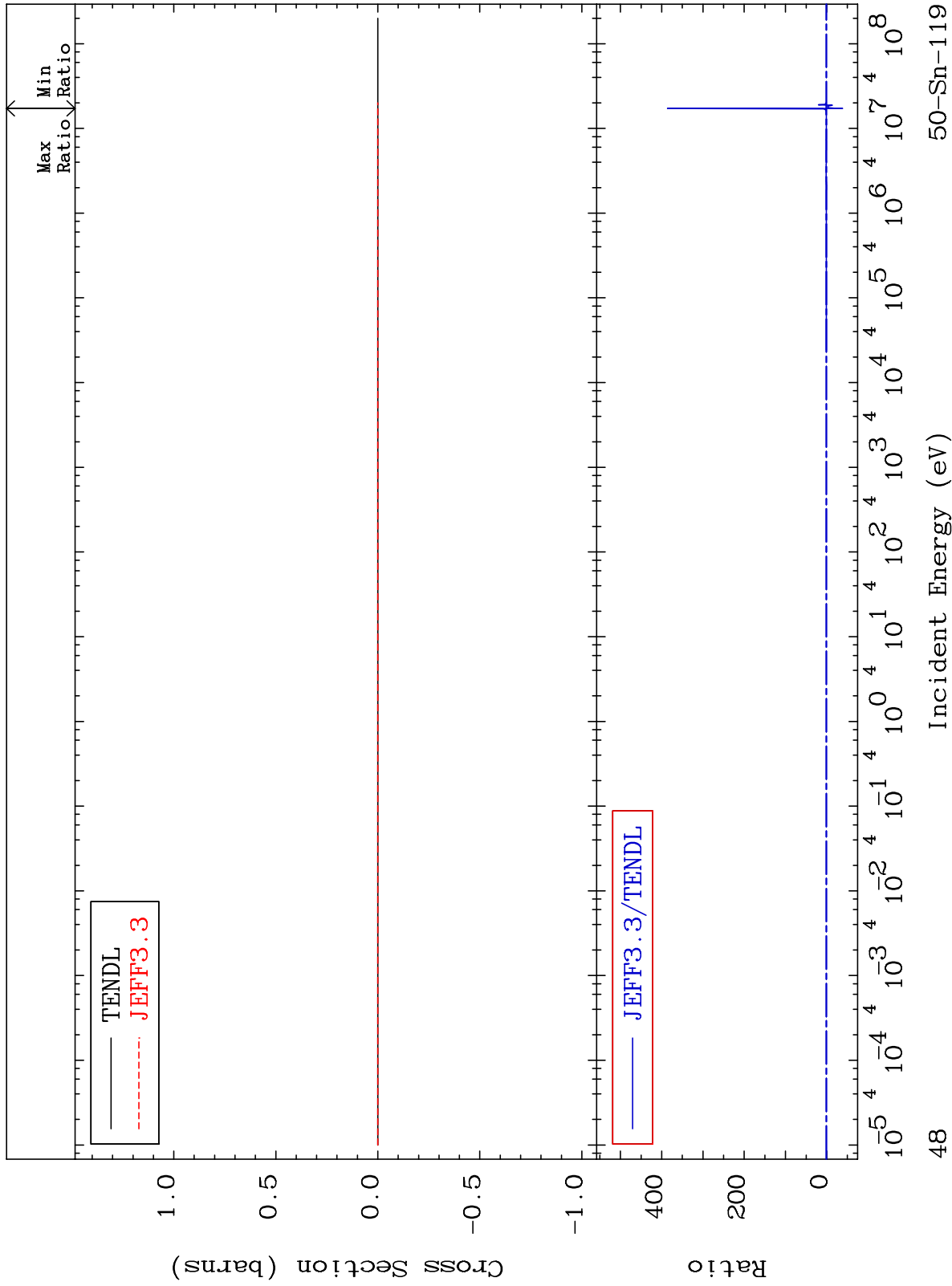
50-Sn-119
-3950. To 9999. %



MAT 5046

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

50-Sn-119
-3950. To 9999. %



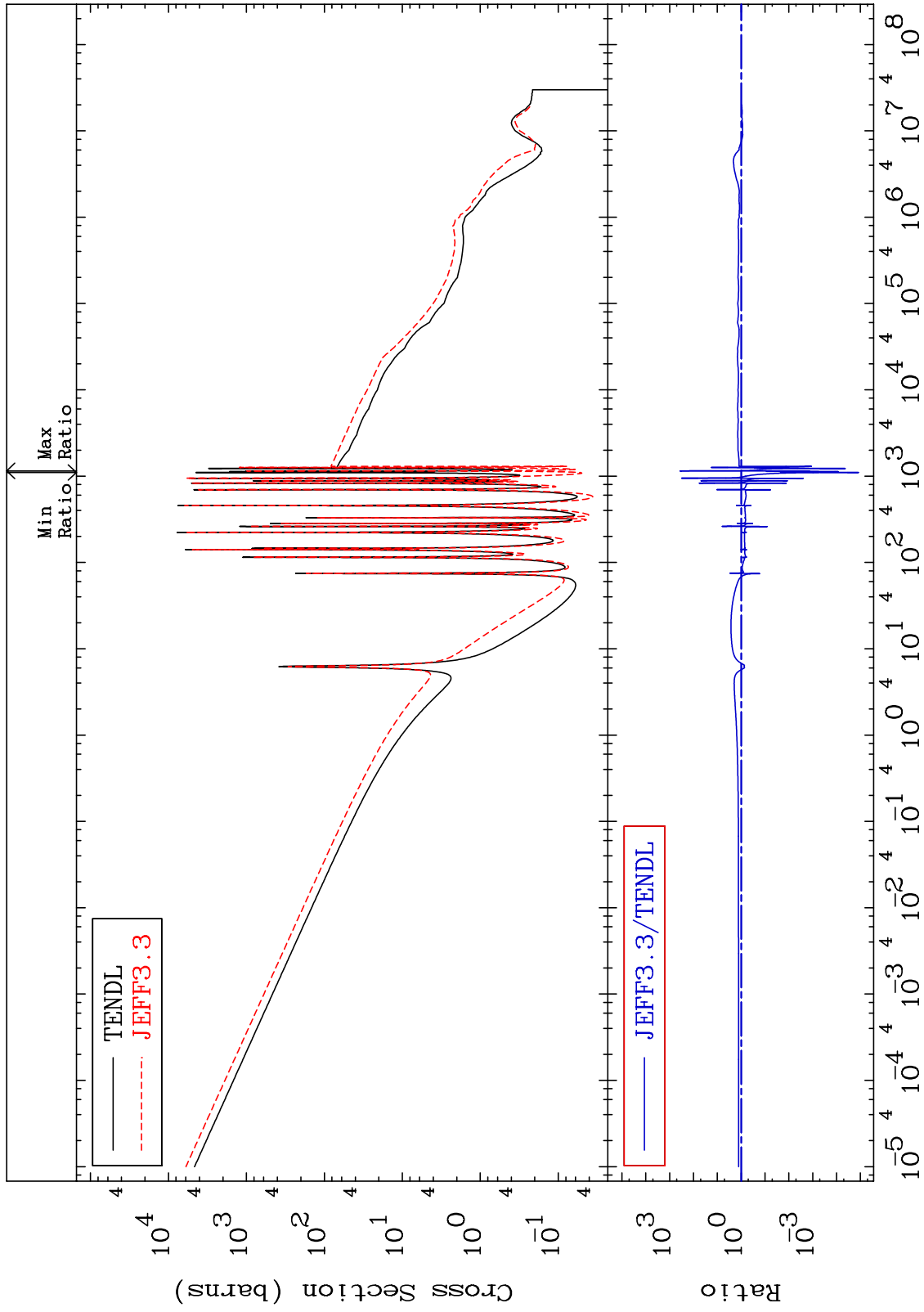
48

50-Sn-119

MAT 5046

Kerma capture (mt102)
Cross Section

50-Sn-119
-100.0 To 9999. %



49

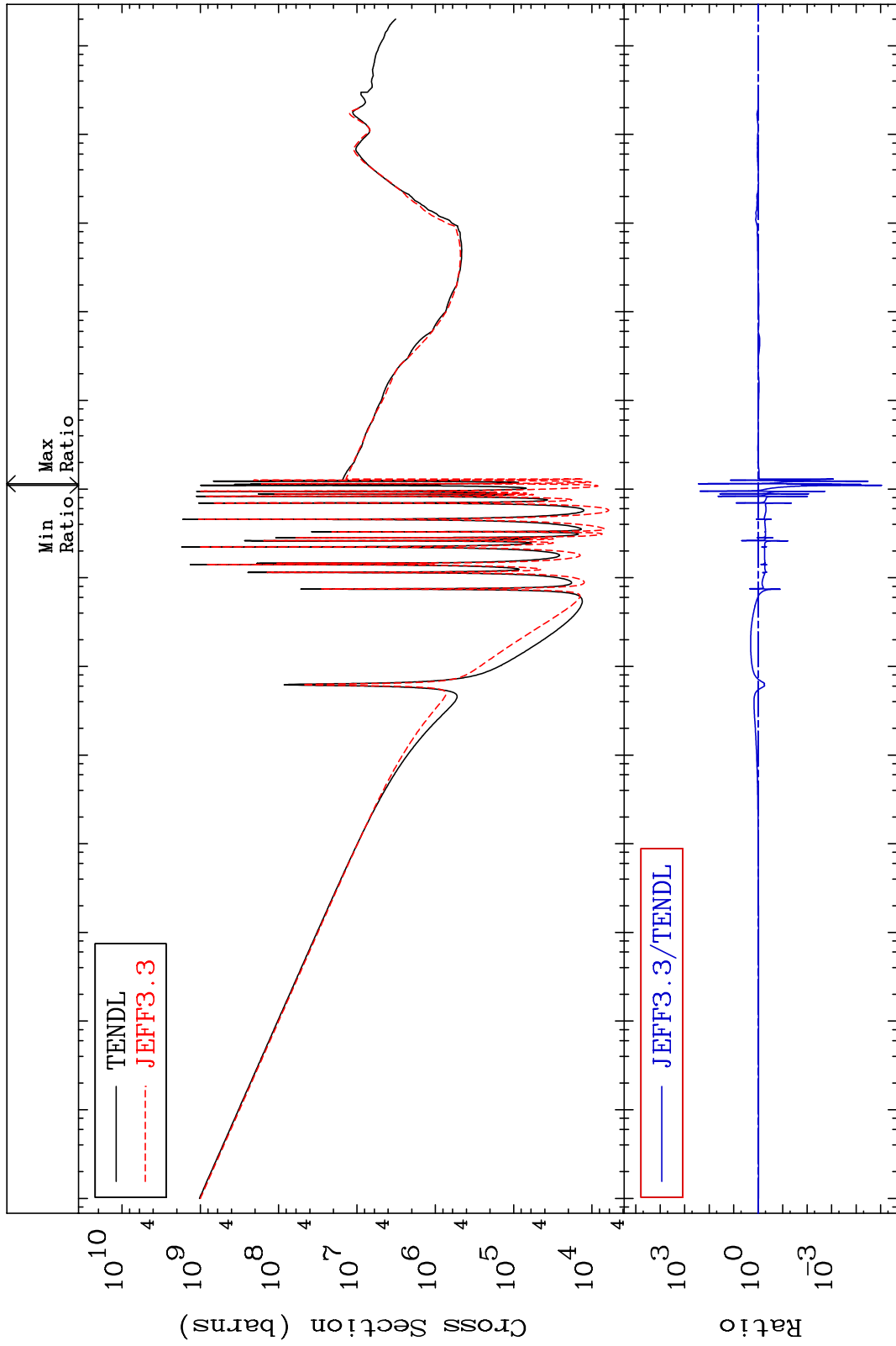
Incident Energy (eV)

50-Sn-119

MAT 5046

Total photon (eV-barns)
Cross Section

50-Sn-119
-100.0 To 9999. %



50

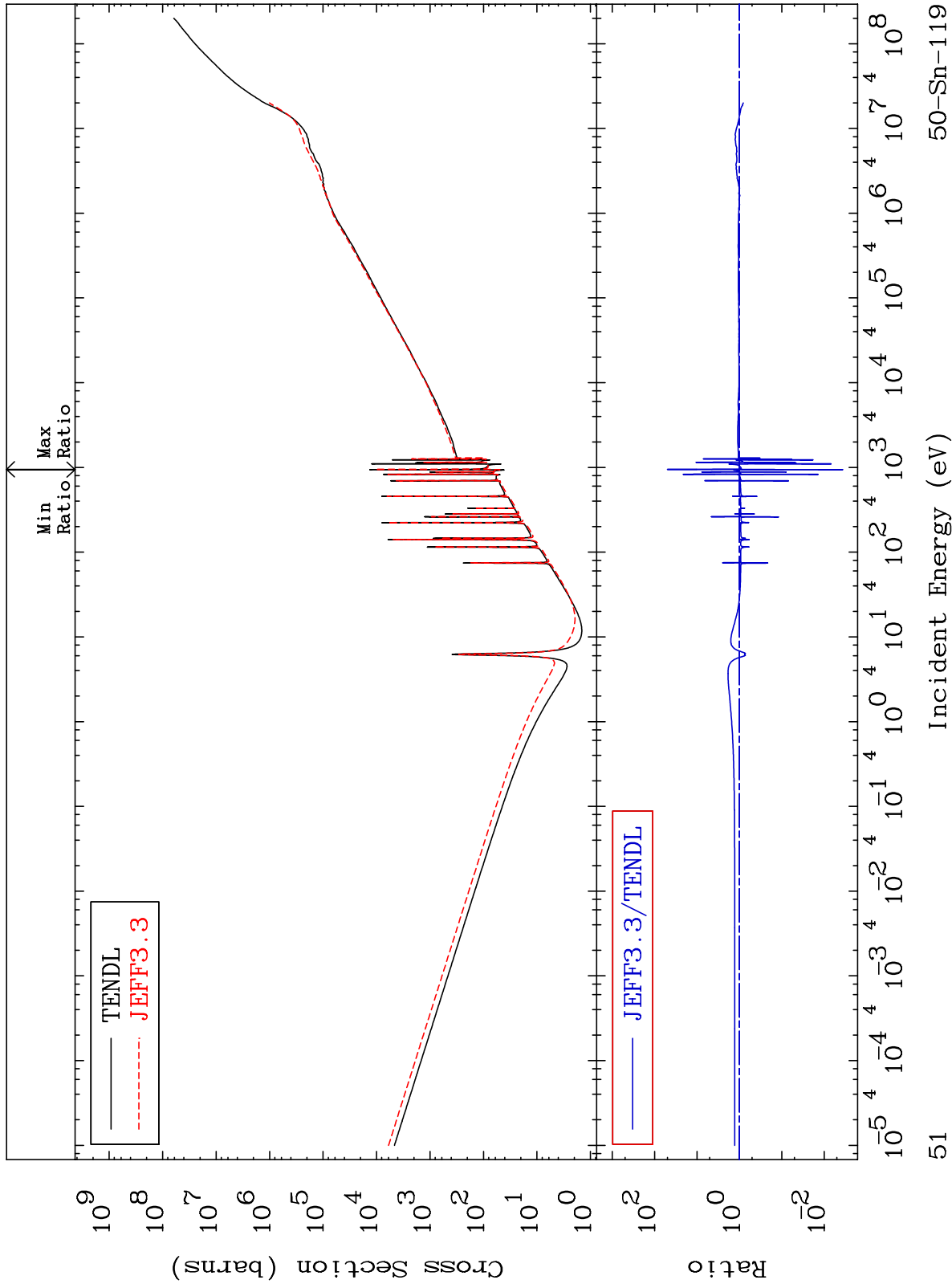
Incident Energy (eV)

50-Sn-119

MAT 5046

Total kinematic kerma (high limit)
Cross Section

50-Sn-119
-99.64 To 4860. %



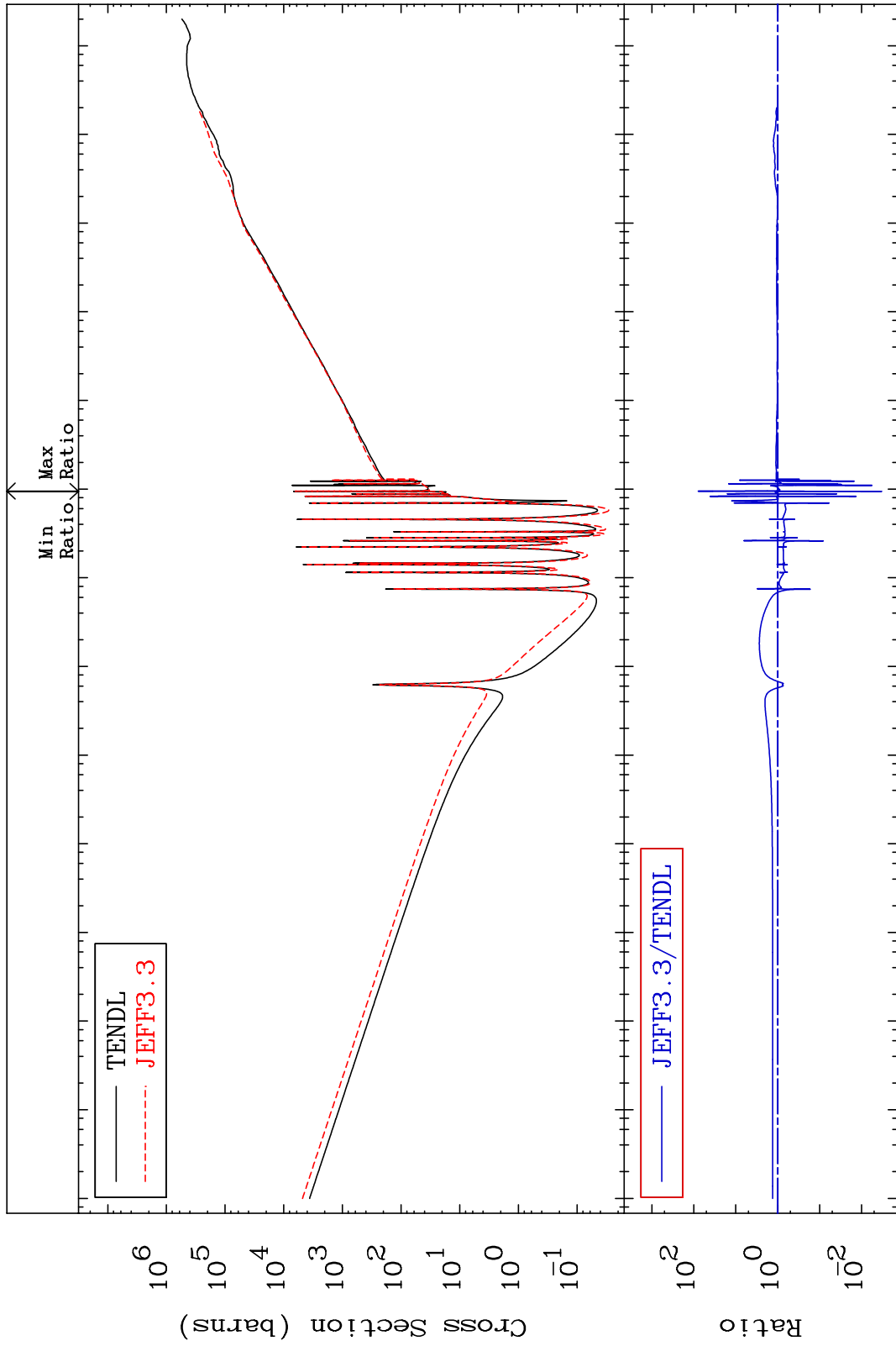
MAT 5046

Dpa total (eV-barns)

50-Sn-119

-99.67 To 7684. %

Cross Section



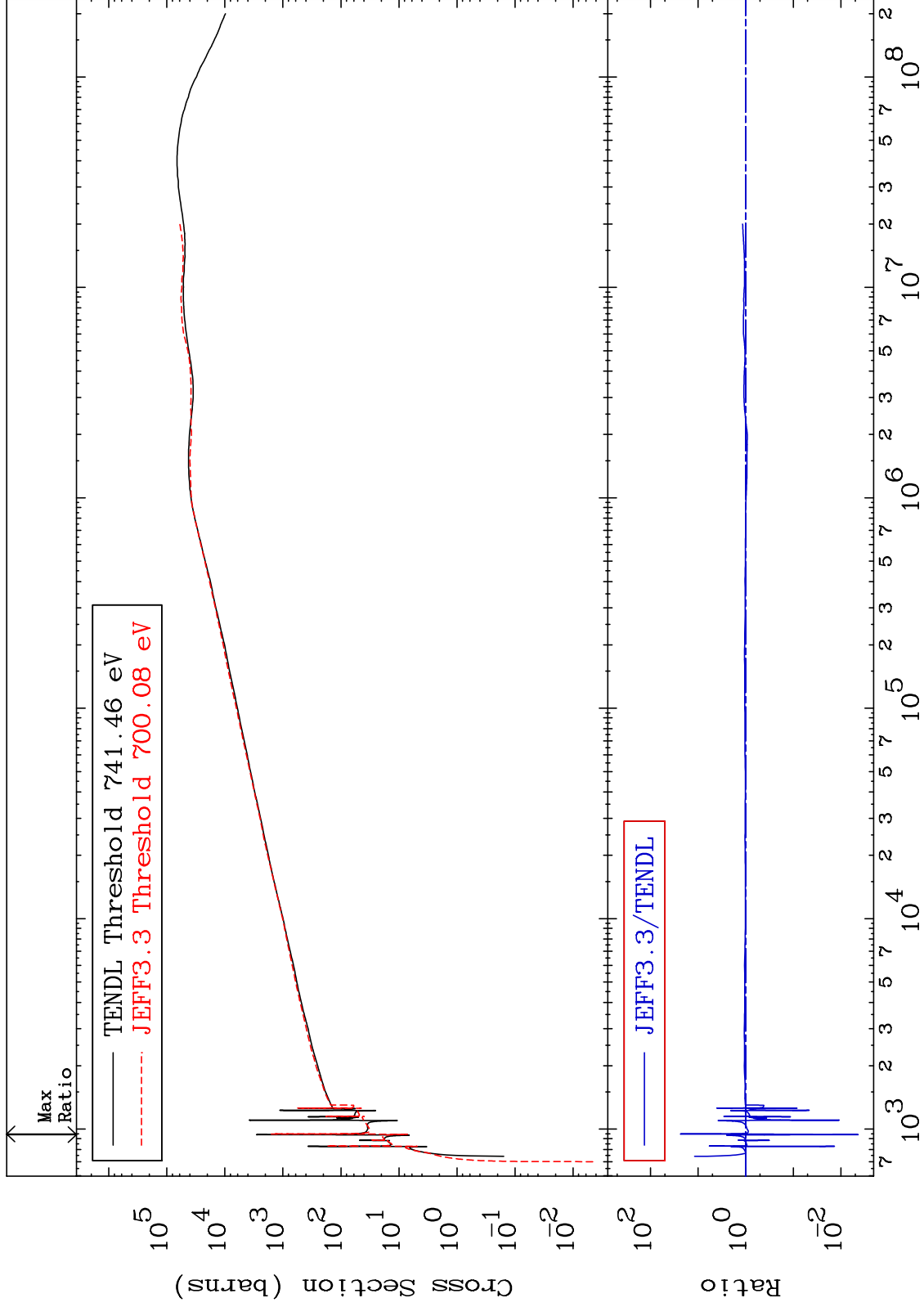
Incident Energy (eV)

50-Sn-119

MAT 5046

Dpa elastic (mt2)
Cross Section

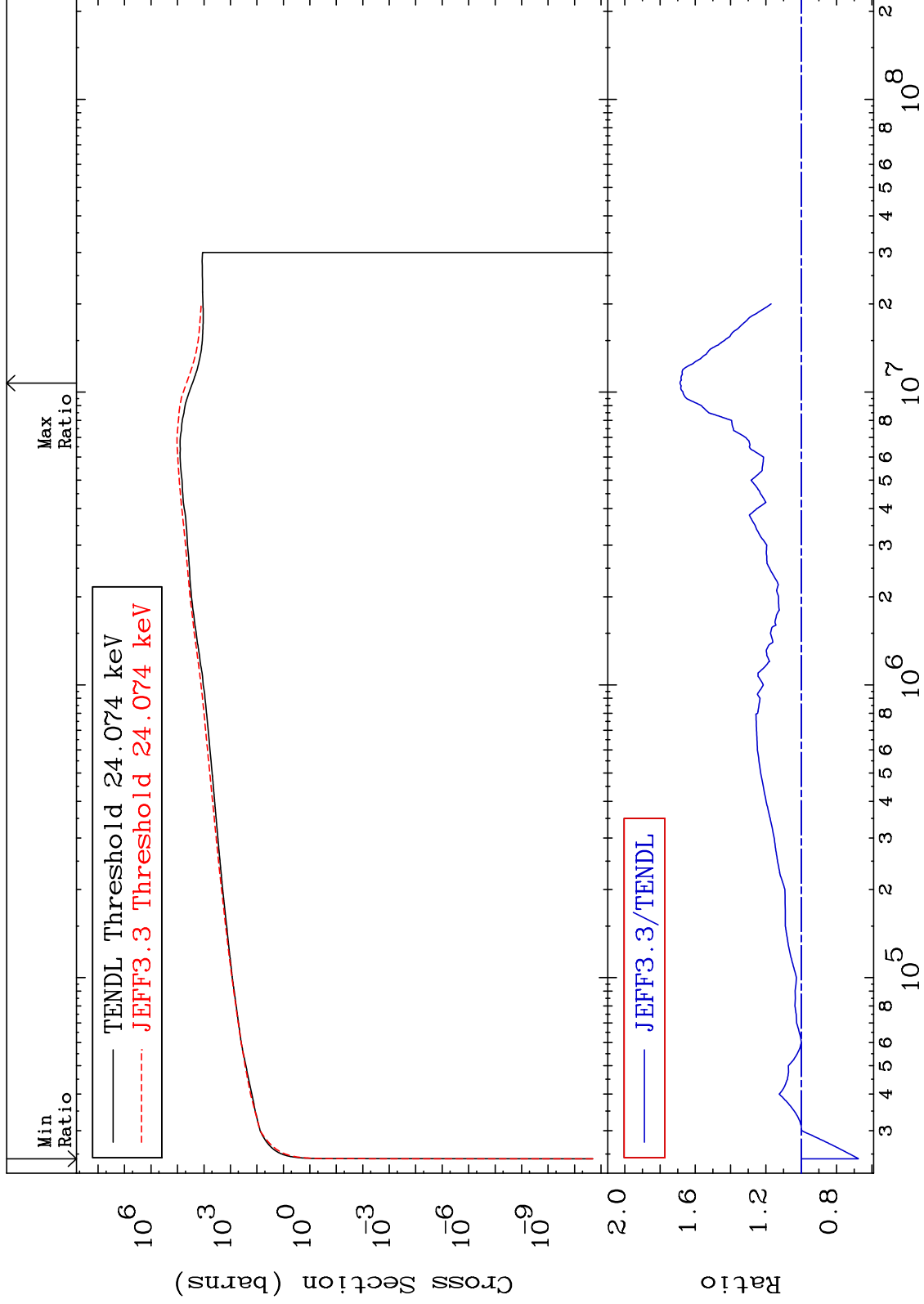
50-Sn-119
-99.57 To 2294. %



MAT 5046

Dpa inelastic (mt51-91)
Cross Section

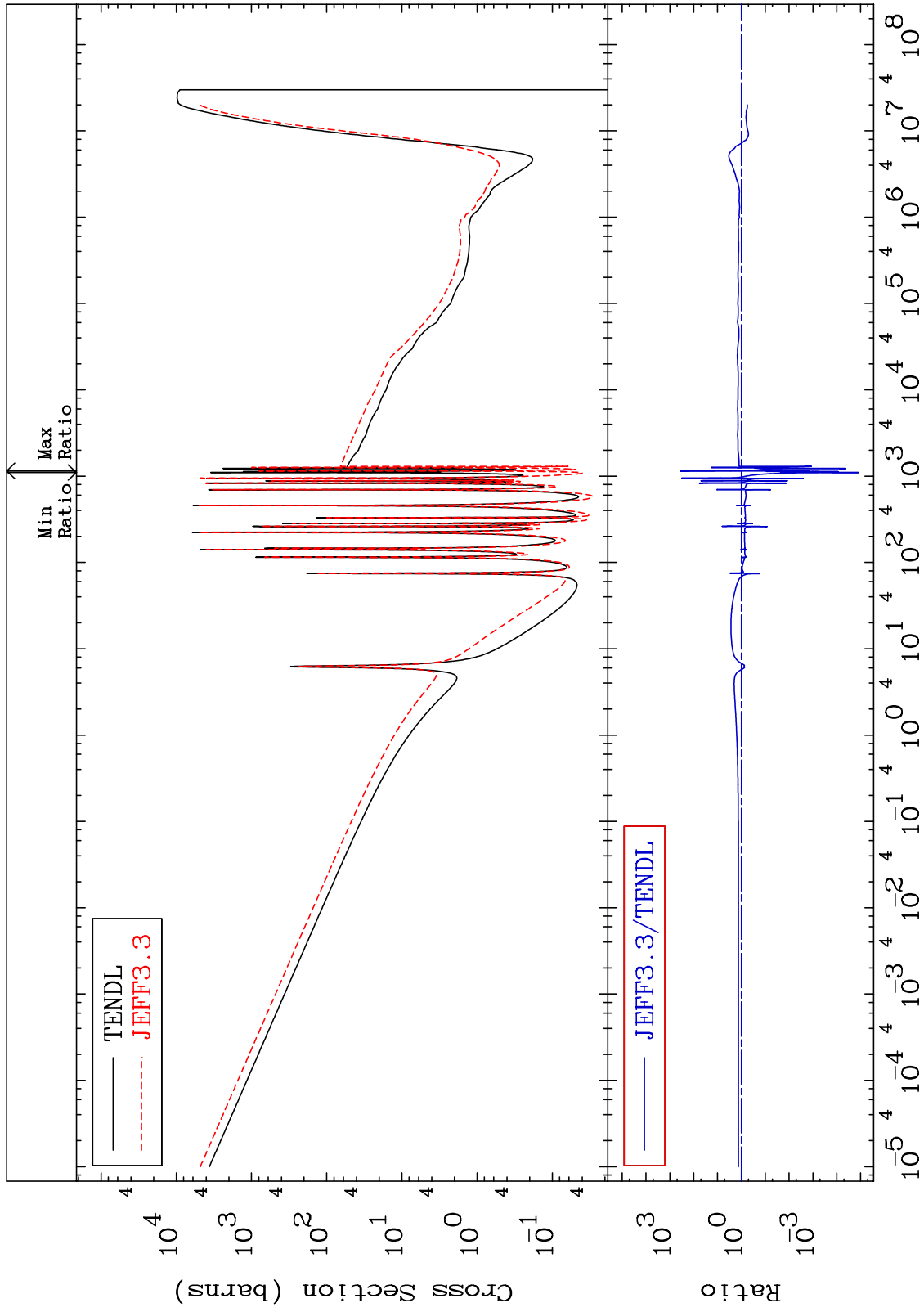
50-Sn-119
-32.39 To 68.67 %



MAT 5046

Dpa disappearance (mt102 -120)
Cross Section

50-Sn-119
-100.0 To 9999. %



55

Incident Energy (eV)

50-Sn-119