

Program Complot
(Version 2018-1)

by

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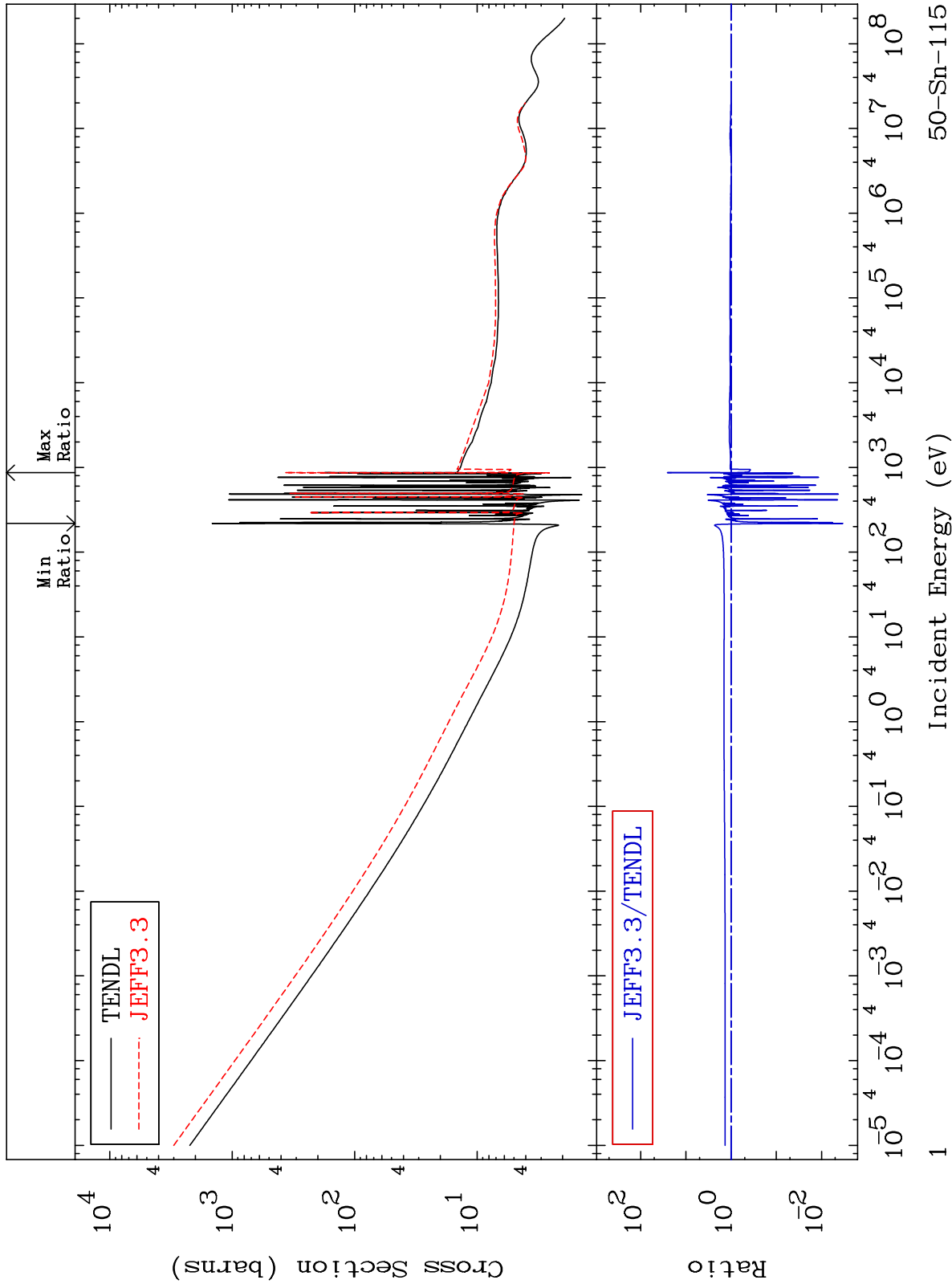
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5034

Total
Cross Section

50-Sn-115
-99.66 To 2446. %



50-Sn-115

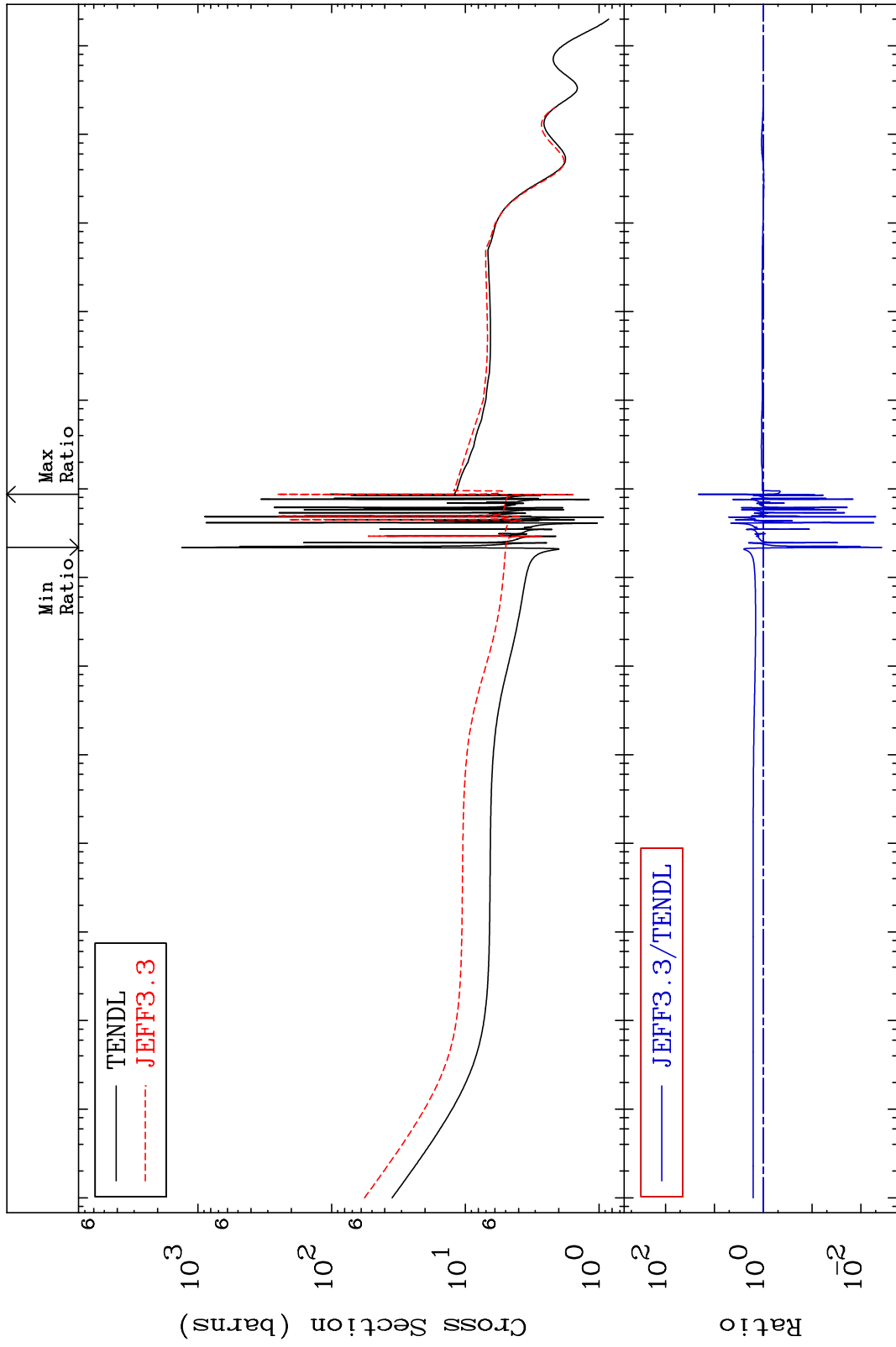
MAT 5034

Elastic

50-Sn-115

-99.62 To 2028. %

Cross Section



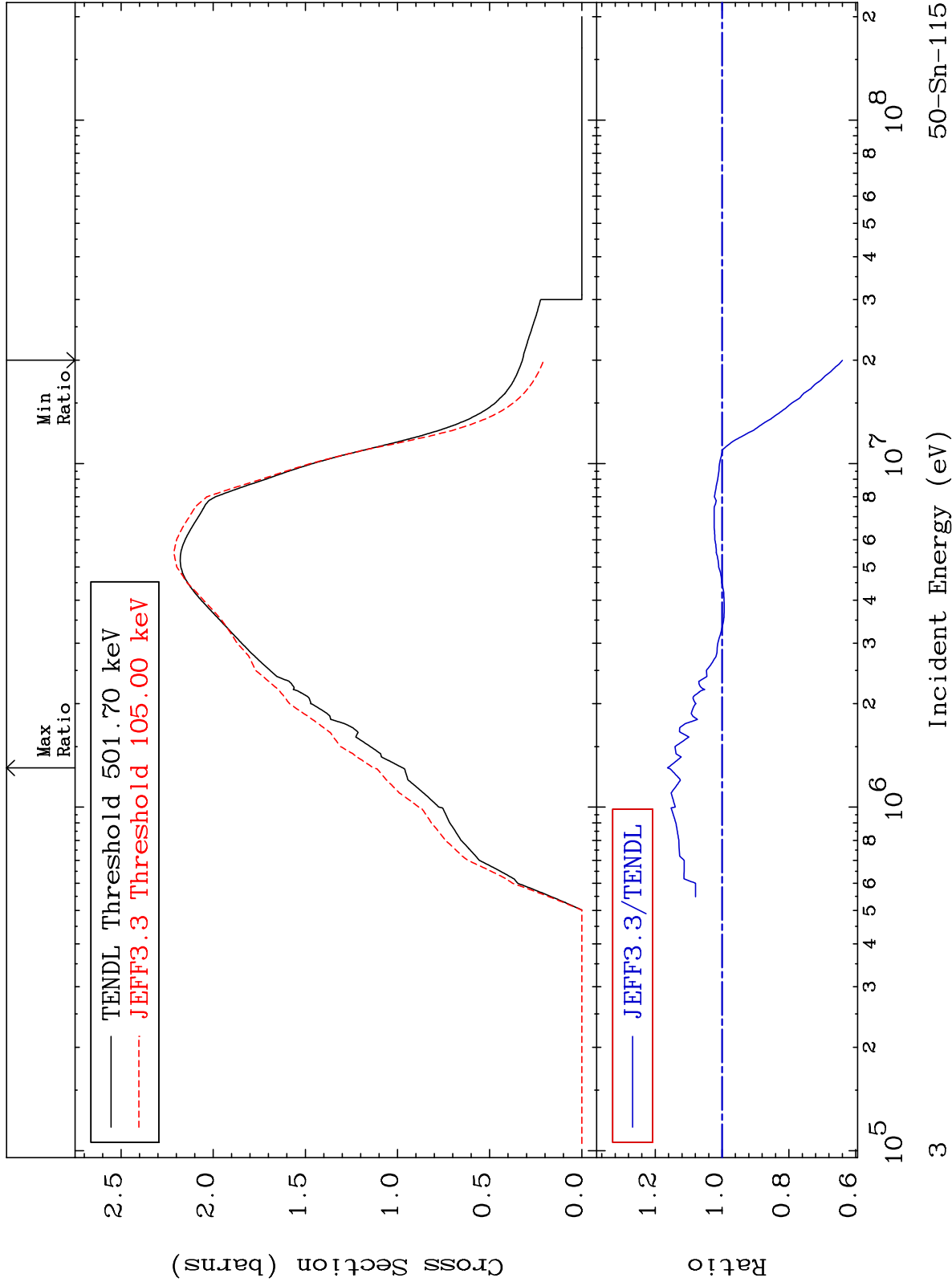
50-Sn-115

Incident Energy (eV)

MAT 5034

Inelastic
Cross Section

50-Sn-115
-36.09 To 16.32 %



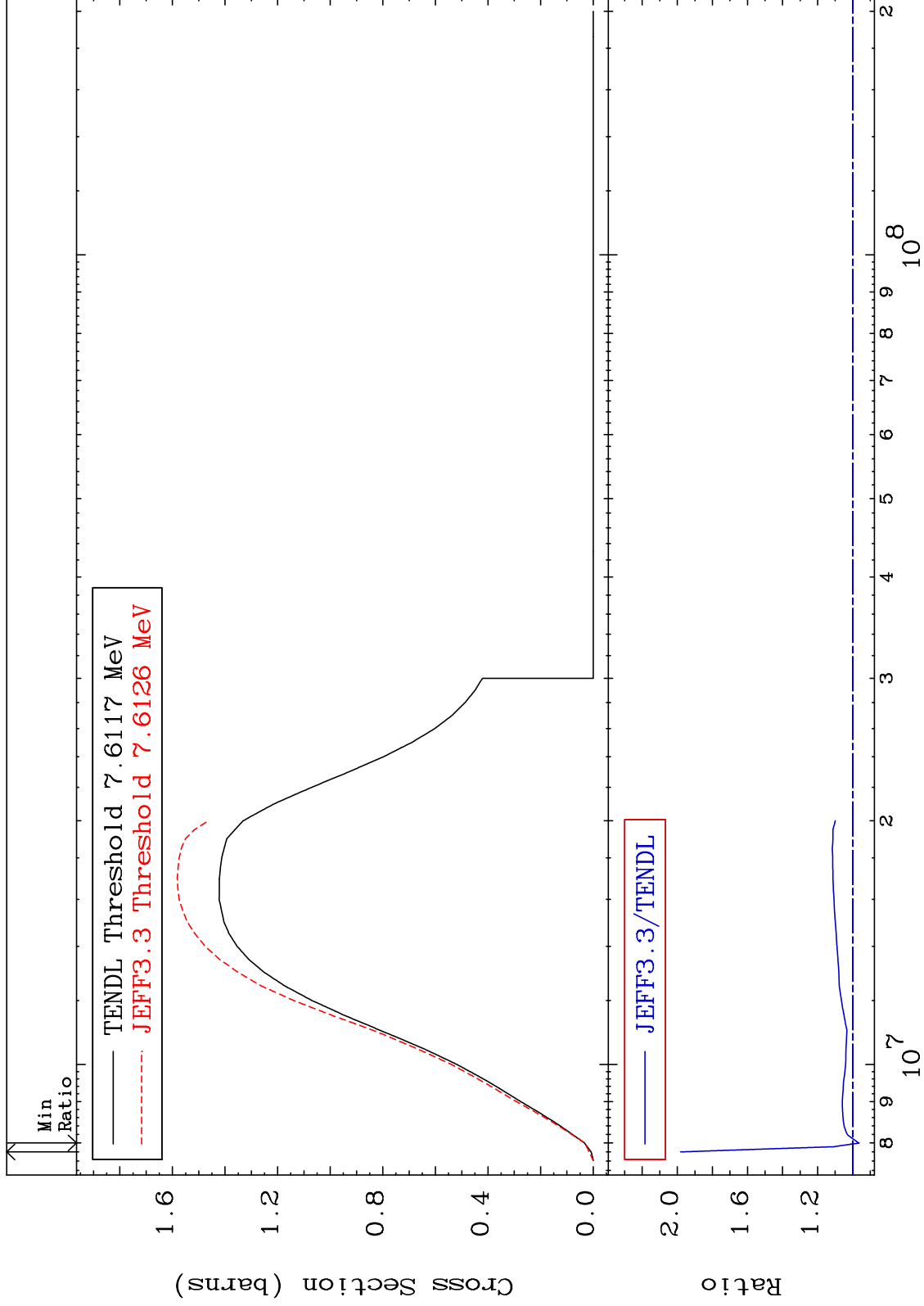
MAT 5034

(n,2n)

50-Sn-115

Cross Section

-3.666 To 98.12 %



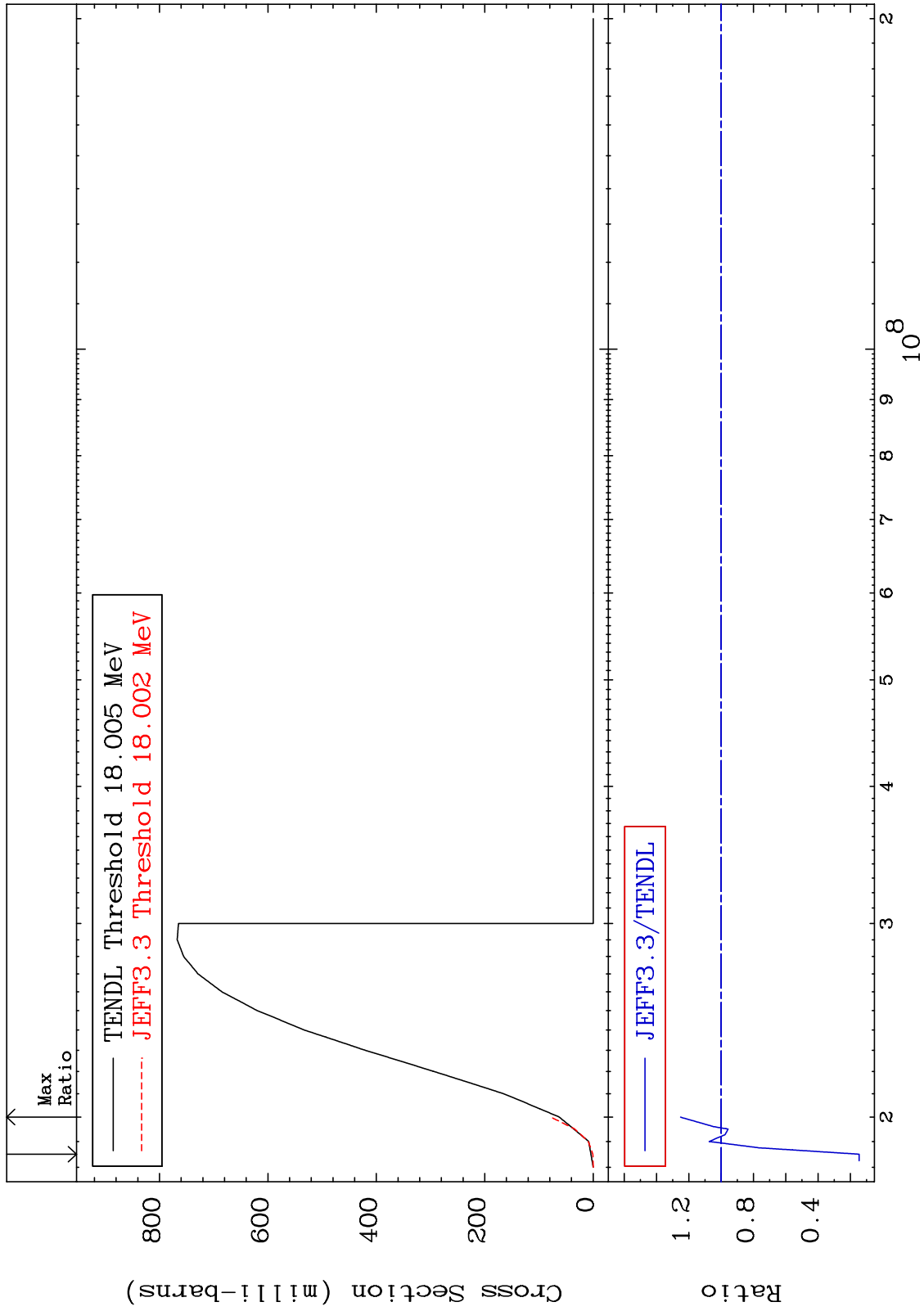
MAT 5034

(n, 3n)

50-Sn-115

Cross Section

-85.42 To 25.05 %



5

Incident Energy (eV)

50-Sn-115

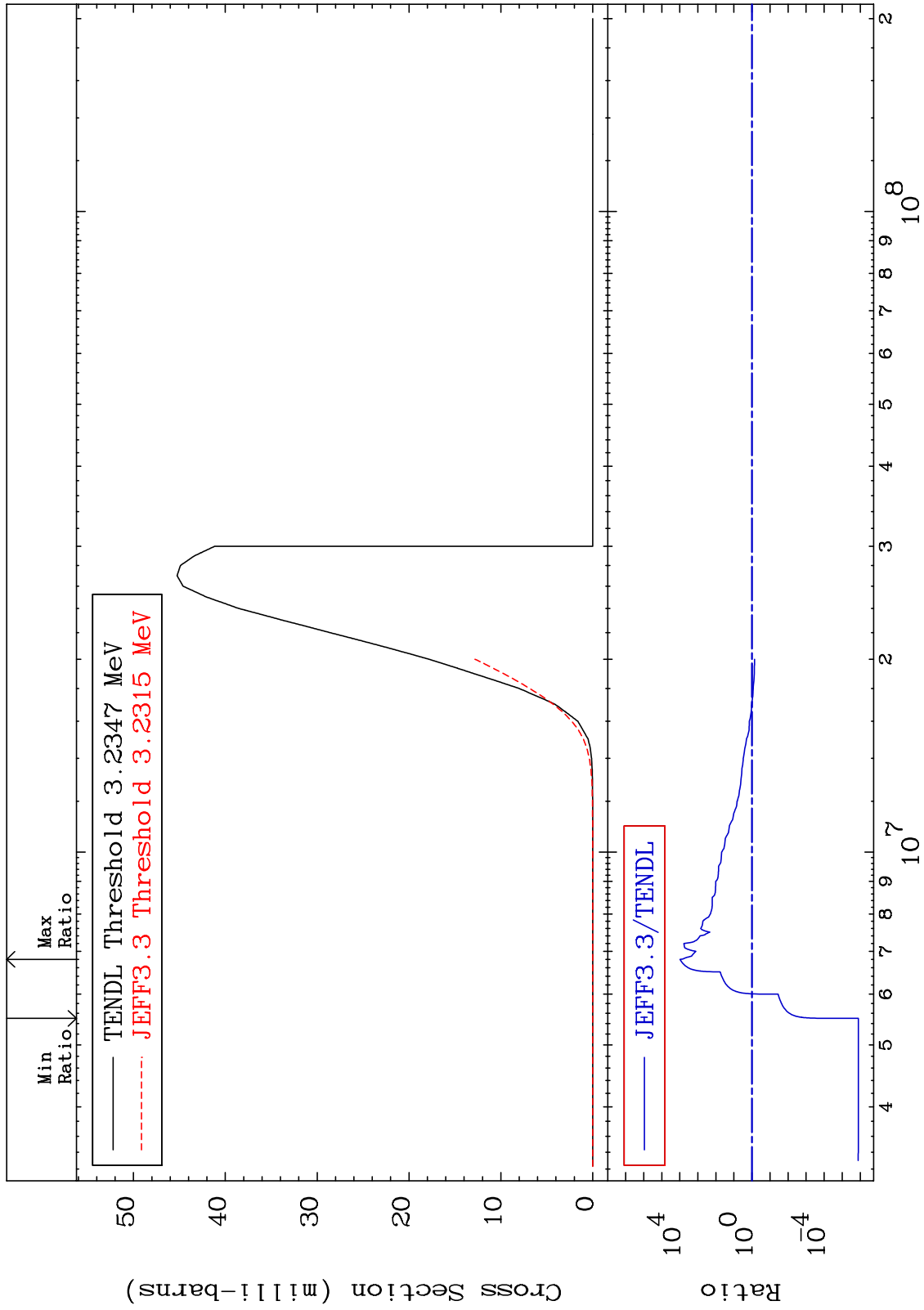
MAT 5034

(n,n') α

50-Sn-115

Cross Section

-100.0 To 9999. %



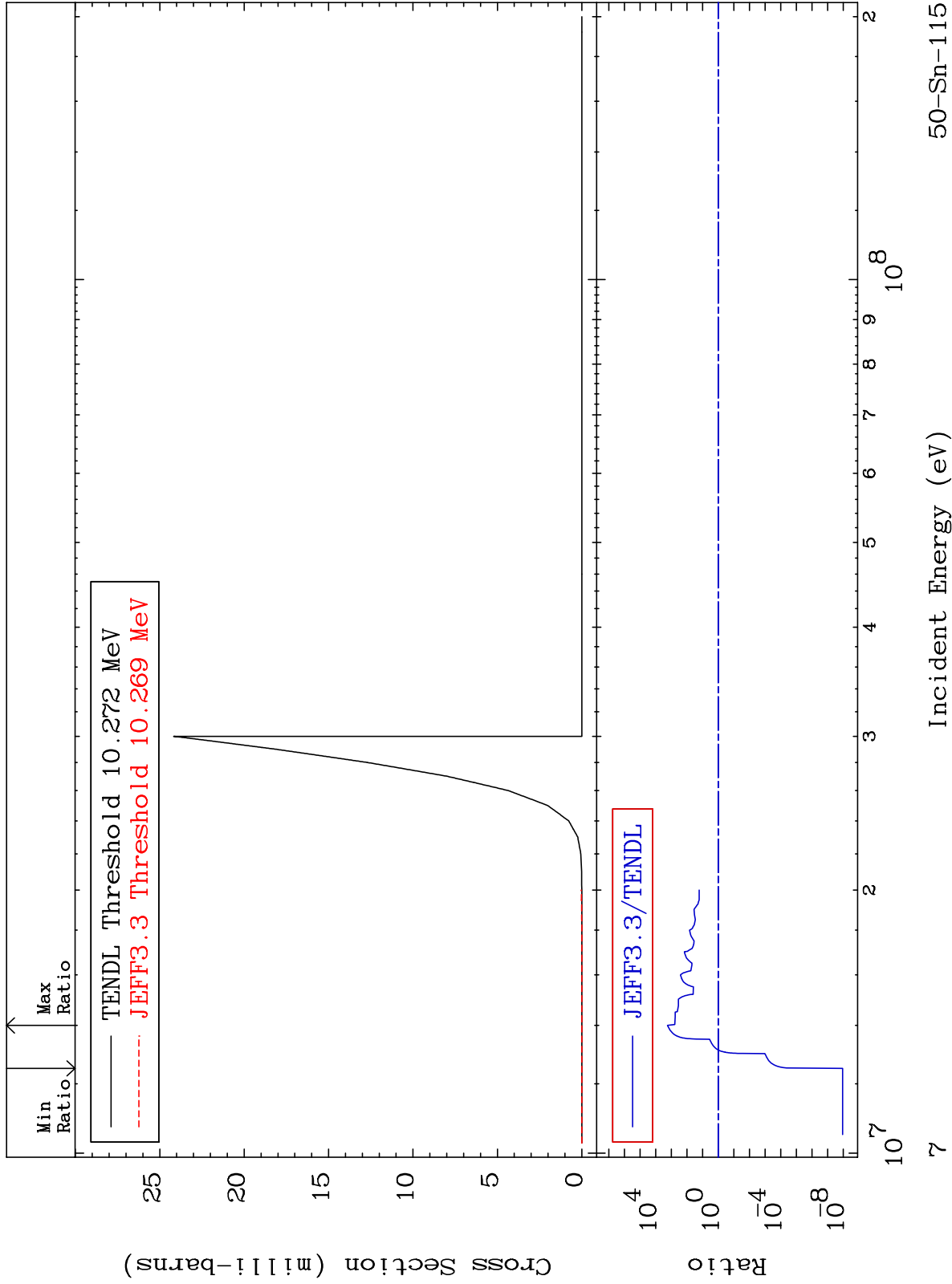
MAT 5034

(n,2n) α

50-Sn-115

Cross Section

-100.0 To 9999. %



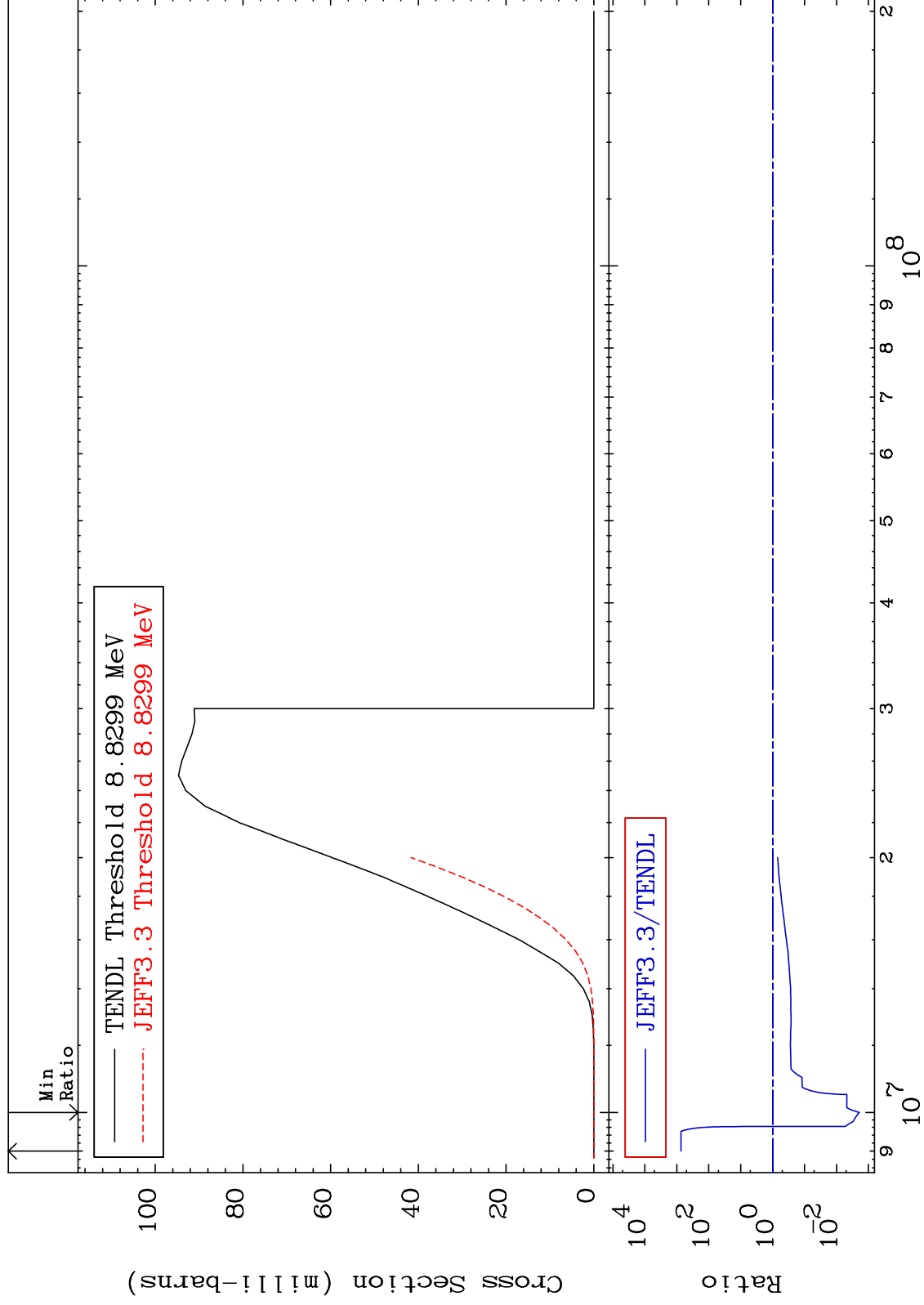
MAT 5034

(n,n') p

50-Sn-115

Cross Section

-99.81 To 9999. %



8

Incident Energy (eV)

50-Sn-115

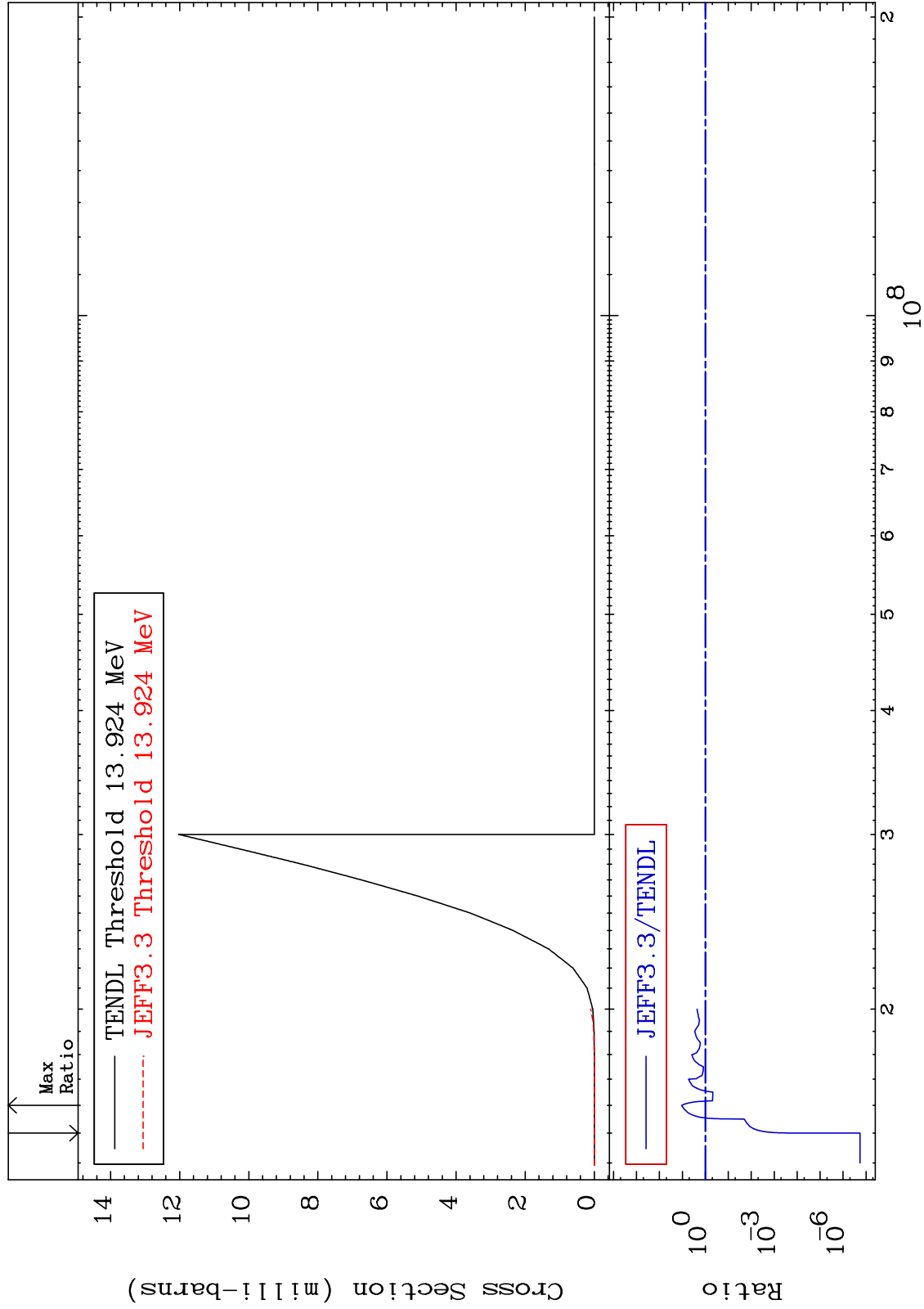
MAT 5034

(n, n') d

50-Sn-115

Cross Section

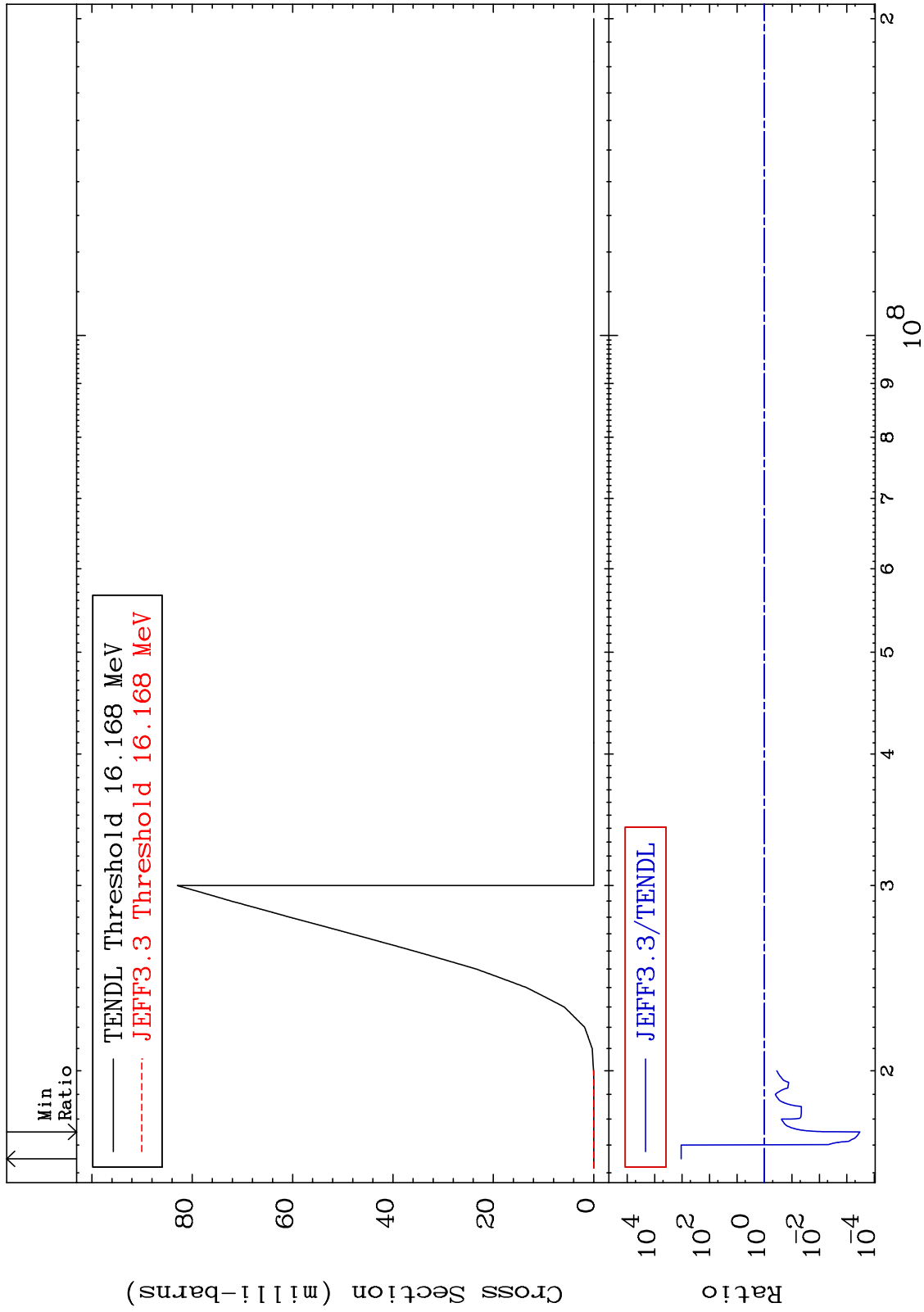
-100.0 To 977.3 %



MAT 5034

(n,2n) p
Cross Section

50-Sn-115
-99.97 To 9999. %

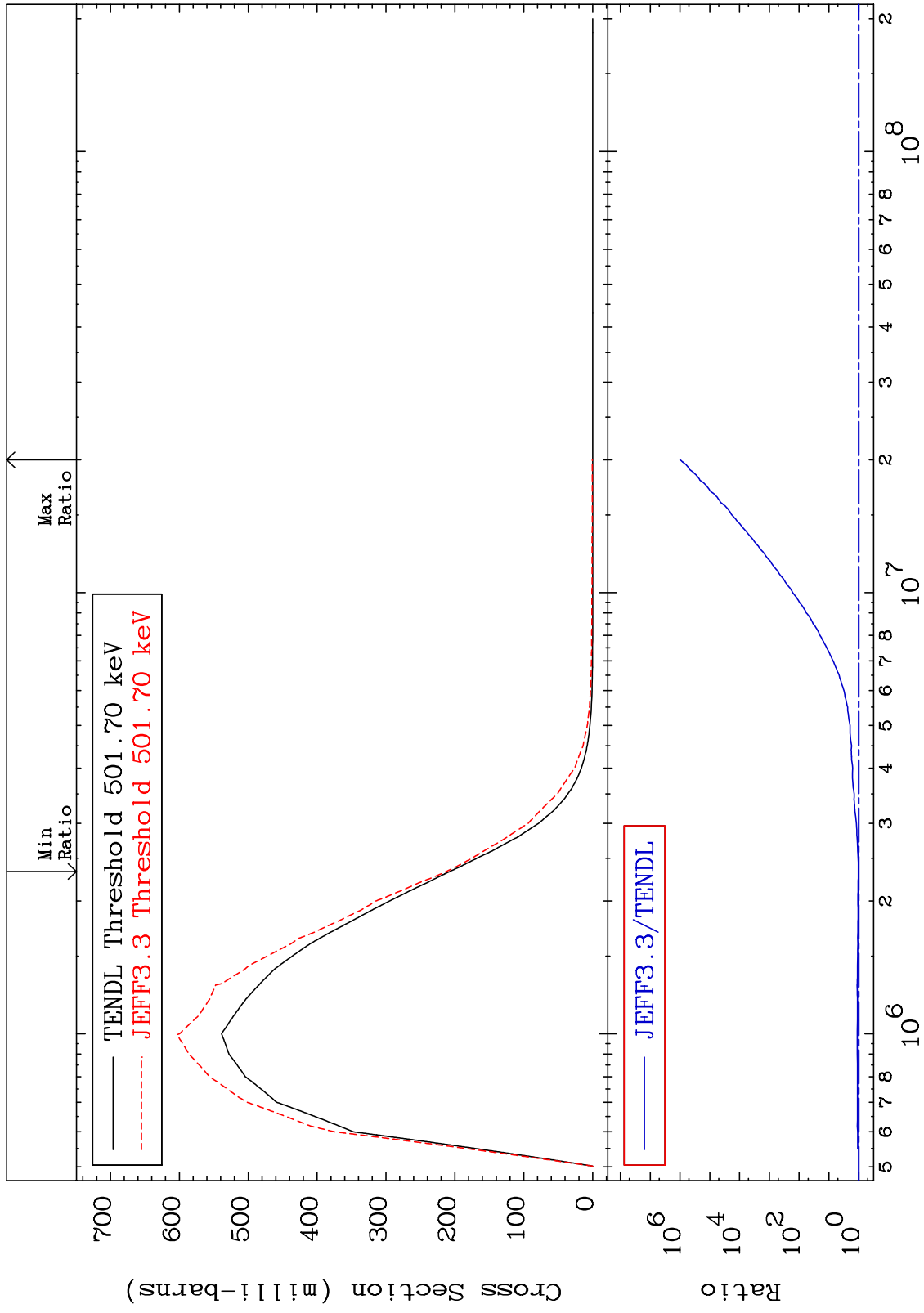


10

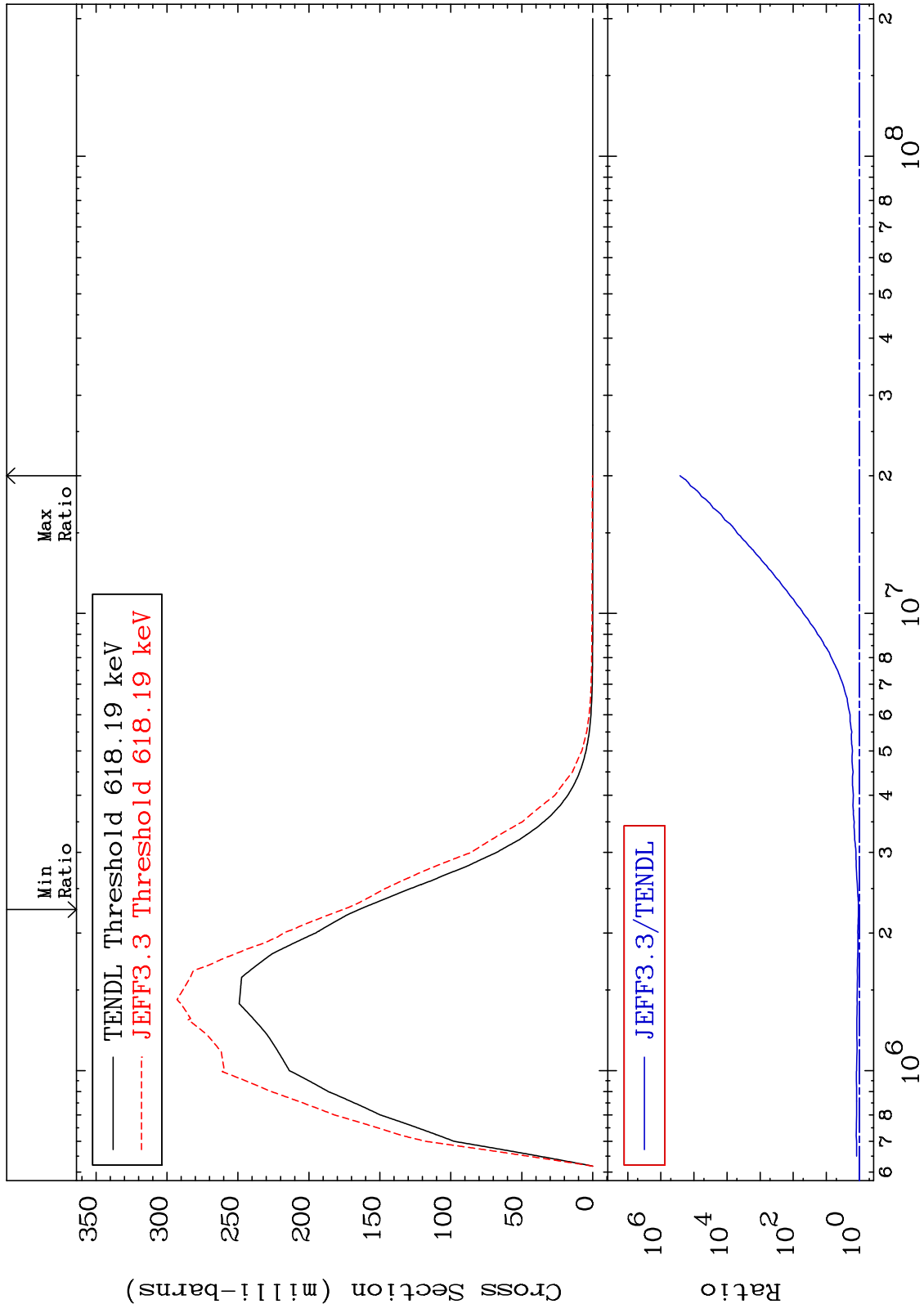
Incident Energy (eV)

50-Sn-115

MAT 5034 MT= 51 (n,n') Level Cross Section 50-Sn-115 To 9999. %
 2.395



MAT 5034 MT= 52 (n,n') Level Cross Section 50-Sn-115 To 9999. %
 6.879

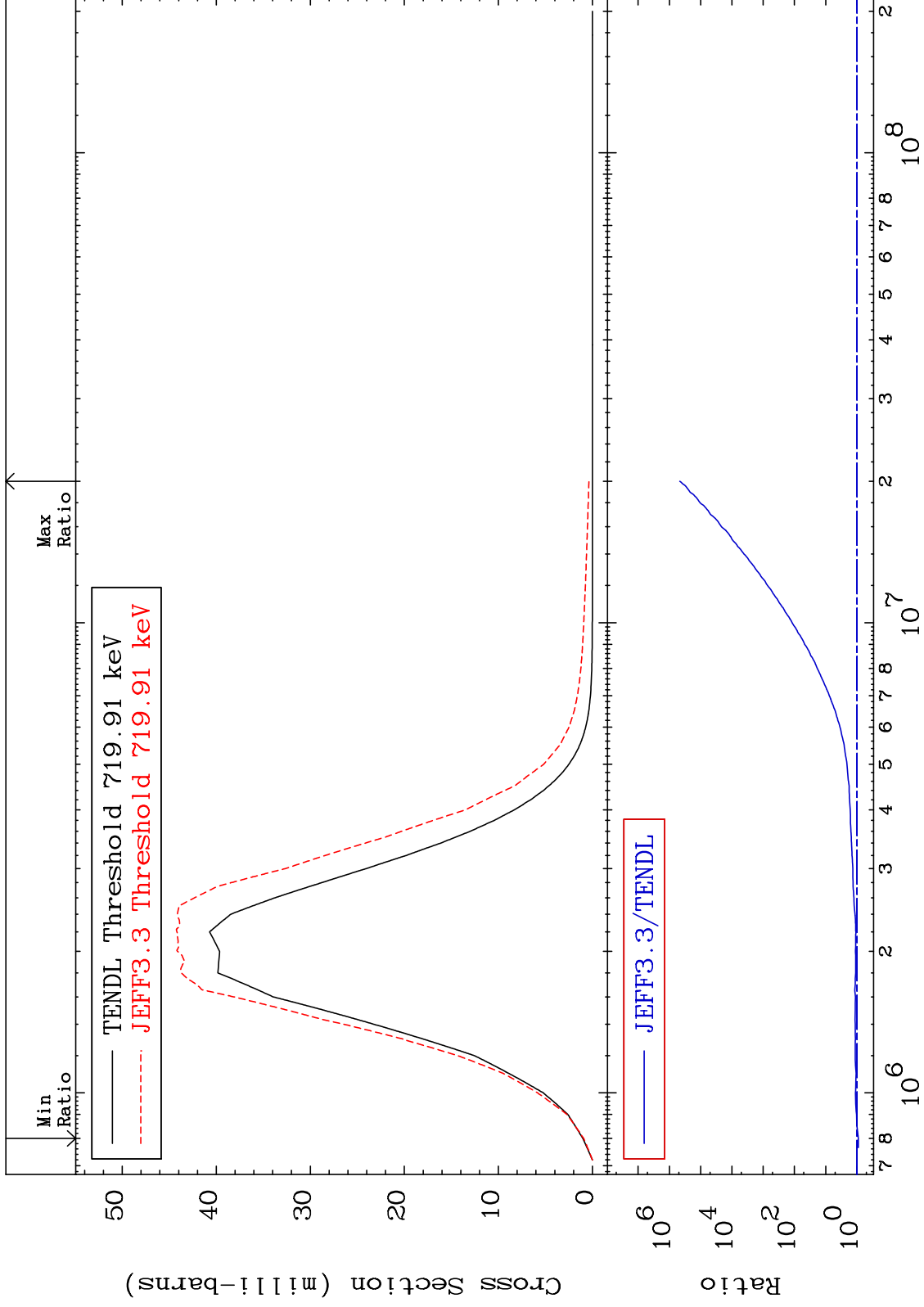


12 Incident Energy (eV) 50-Sn-115

MAT 5034

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

50-Sn-115
-9.896 To 9999. %



13

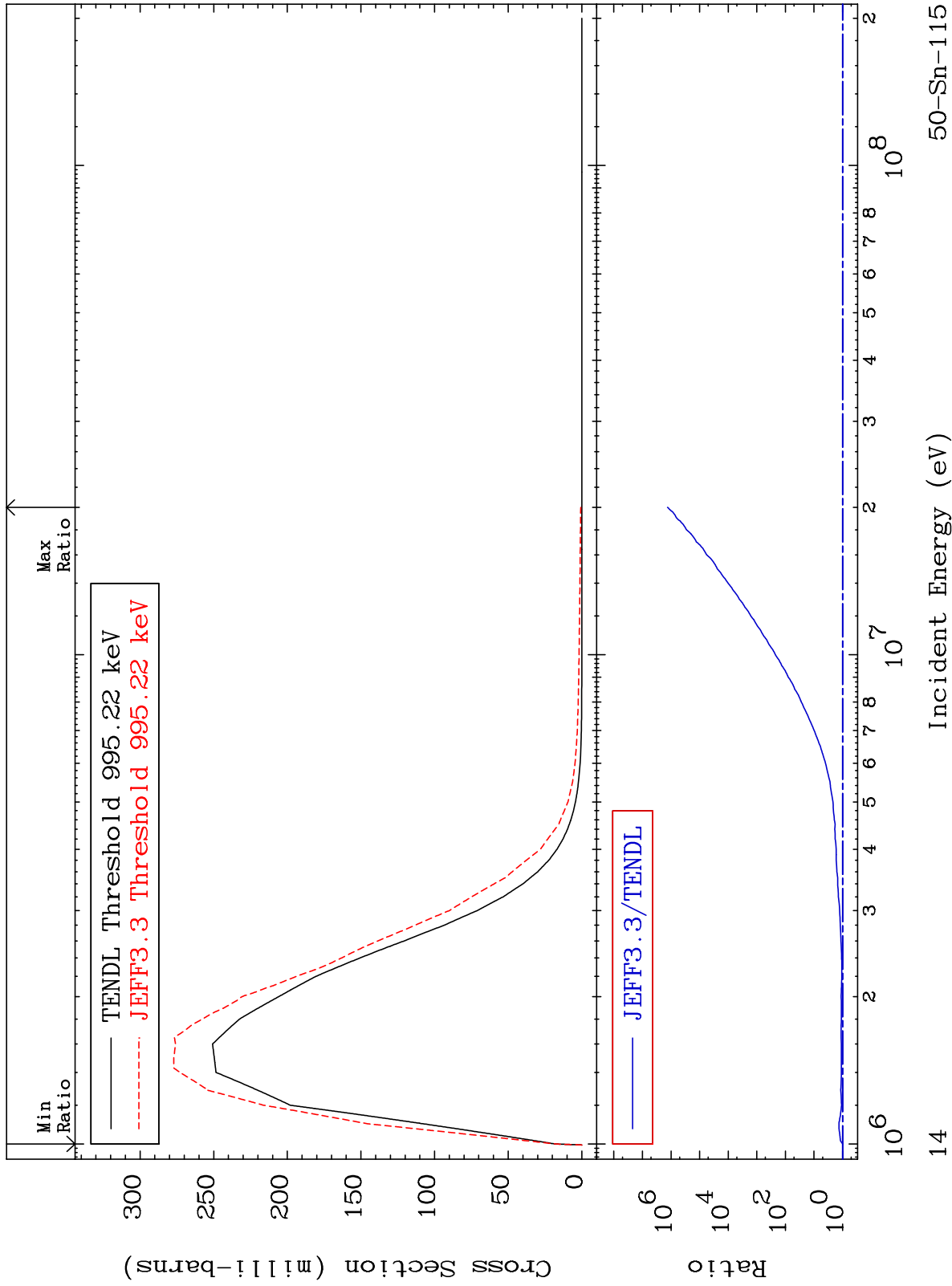
Incident Energy (eV)

50-Sn-115

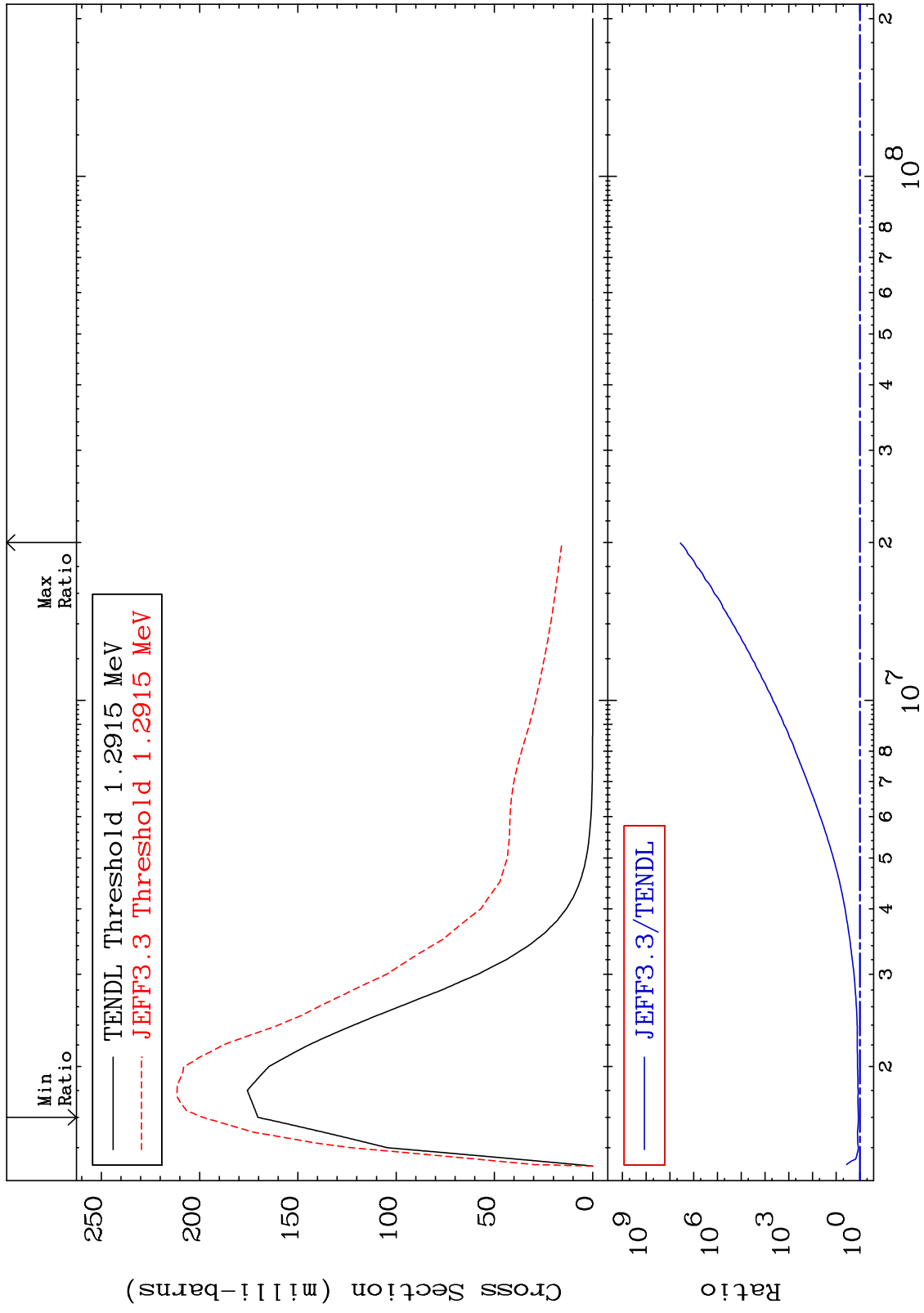
MAT 5034

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

50-Sn-115
-0.494 To 9999. %



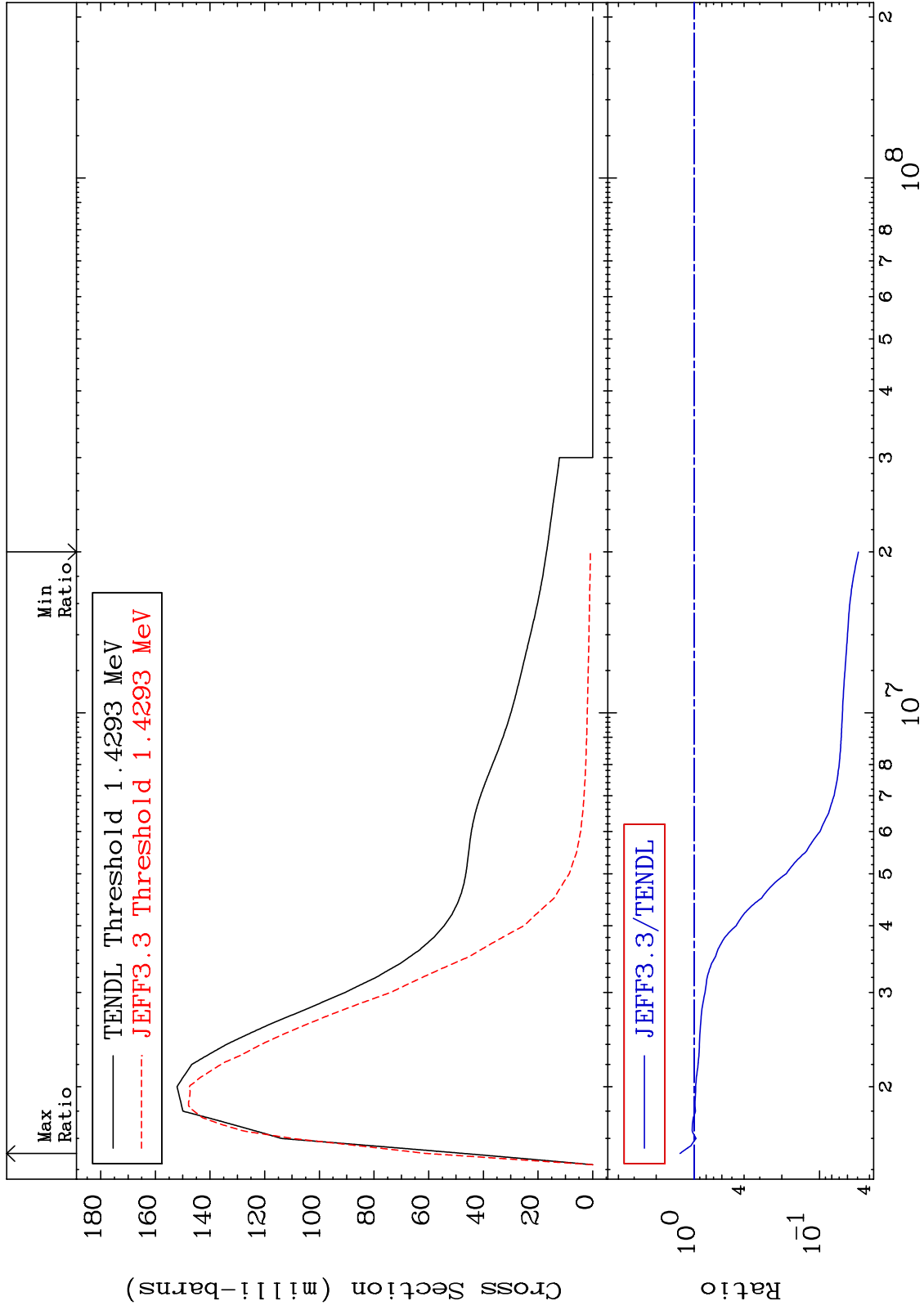
MAT 5034 MT= 55 (n, n') Level Cross Section 50-Sn-115 16.47 To 9999. %



MAT 5034

MT= 56 (n,n') Level
Cross Section

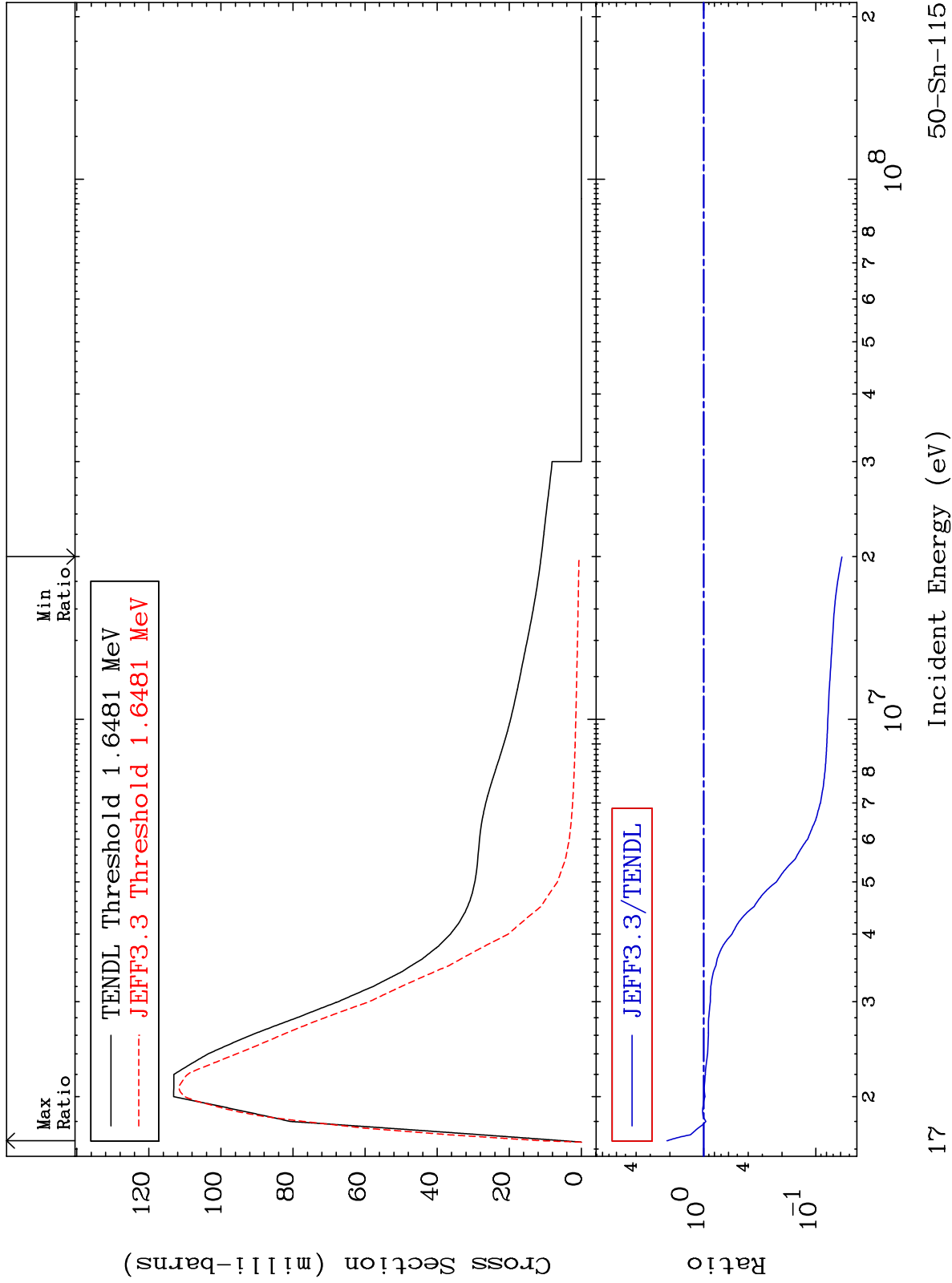
50-Sn-115
-95.09 To 29.28 %



MAT 5034

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

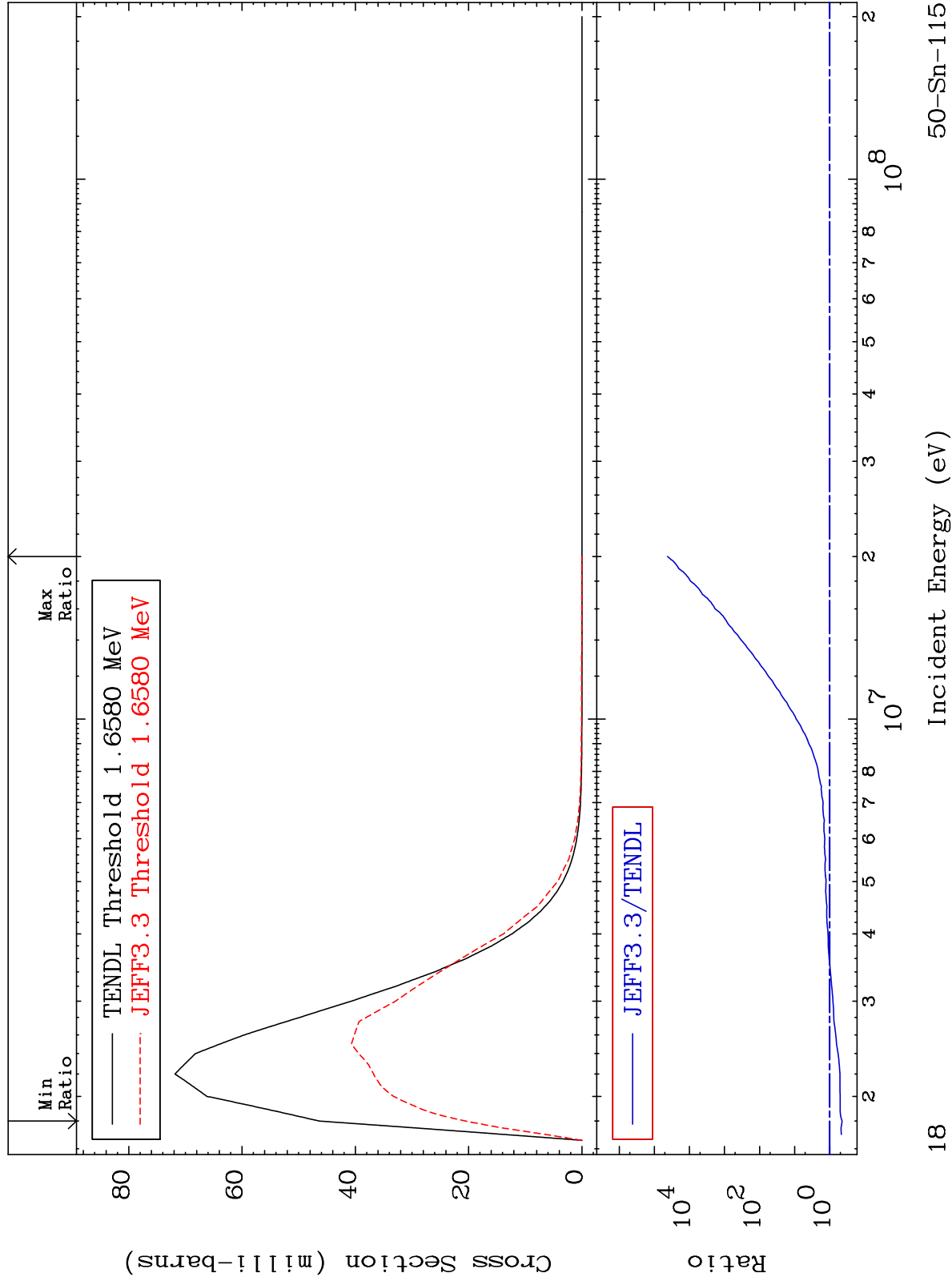
50-Sn-115
-94.17 To 112.4 %



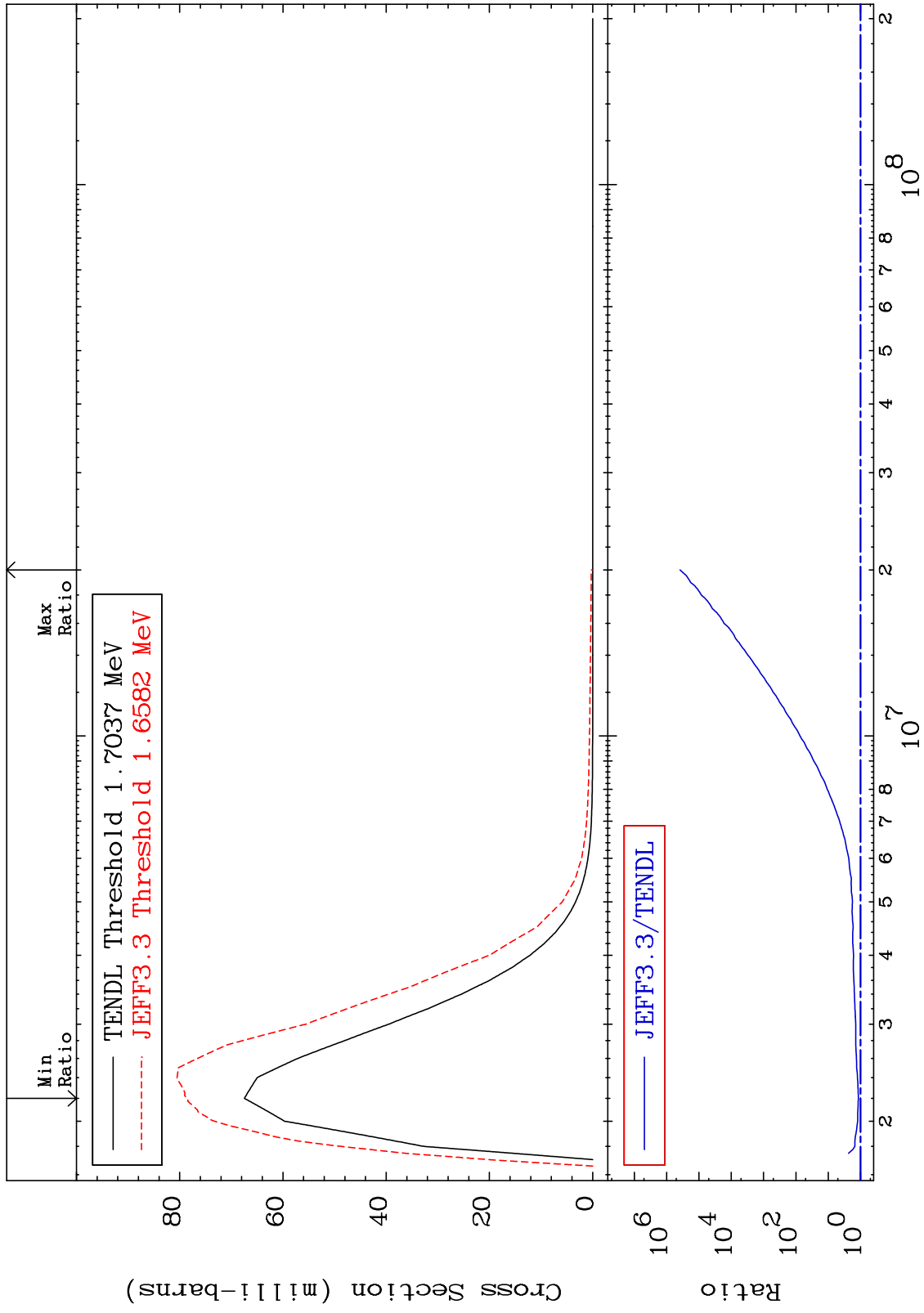
MAT 5034

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

50-Sn-115
-55.62 To 9999. %



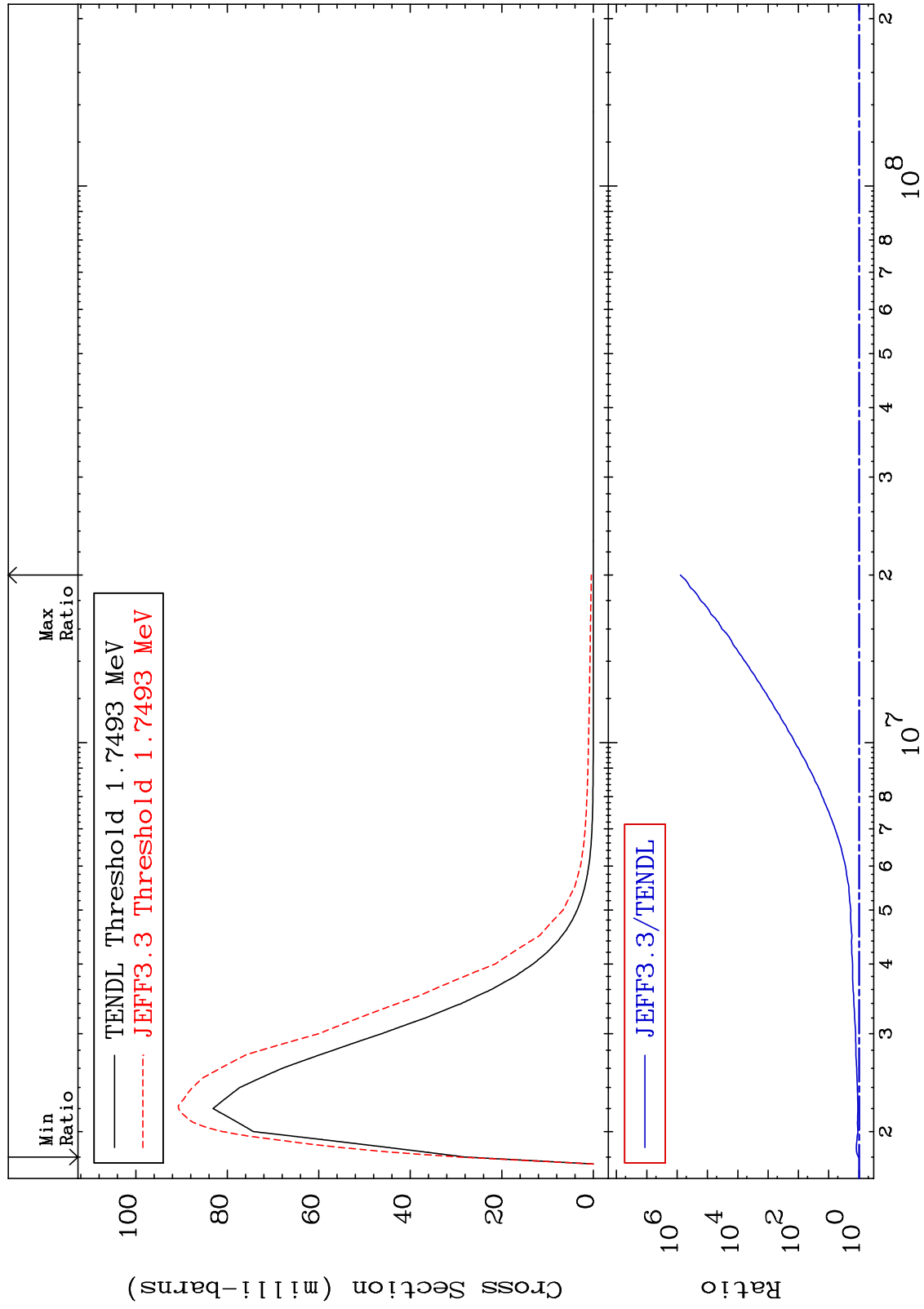
MAT 5034 MT= 59 (n,n') Level Cross Section 50-Sn-115
 16.55 To 9999. %



MAT 5034

MT= 60 (n,n') Level
Cross Section

4.065 To 9999. %
50-Sn-115

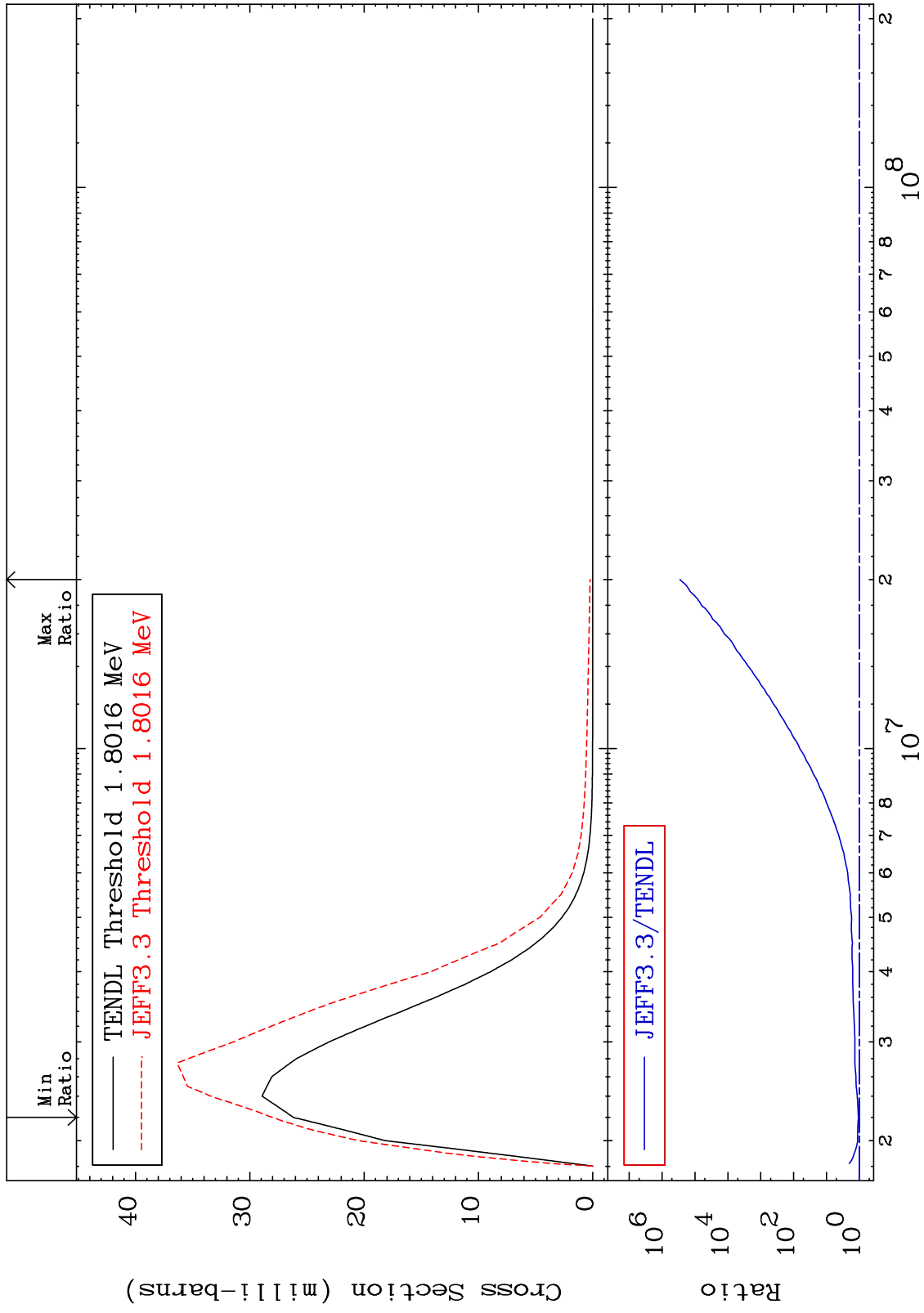


20

Incident Energy (eV)

50-Sn-115

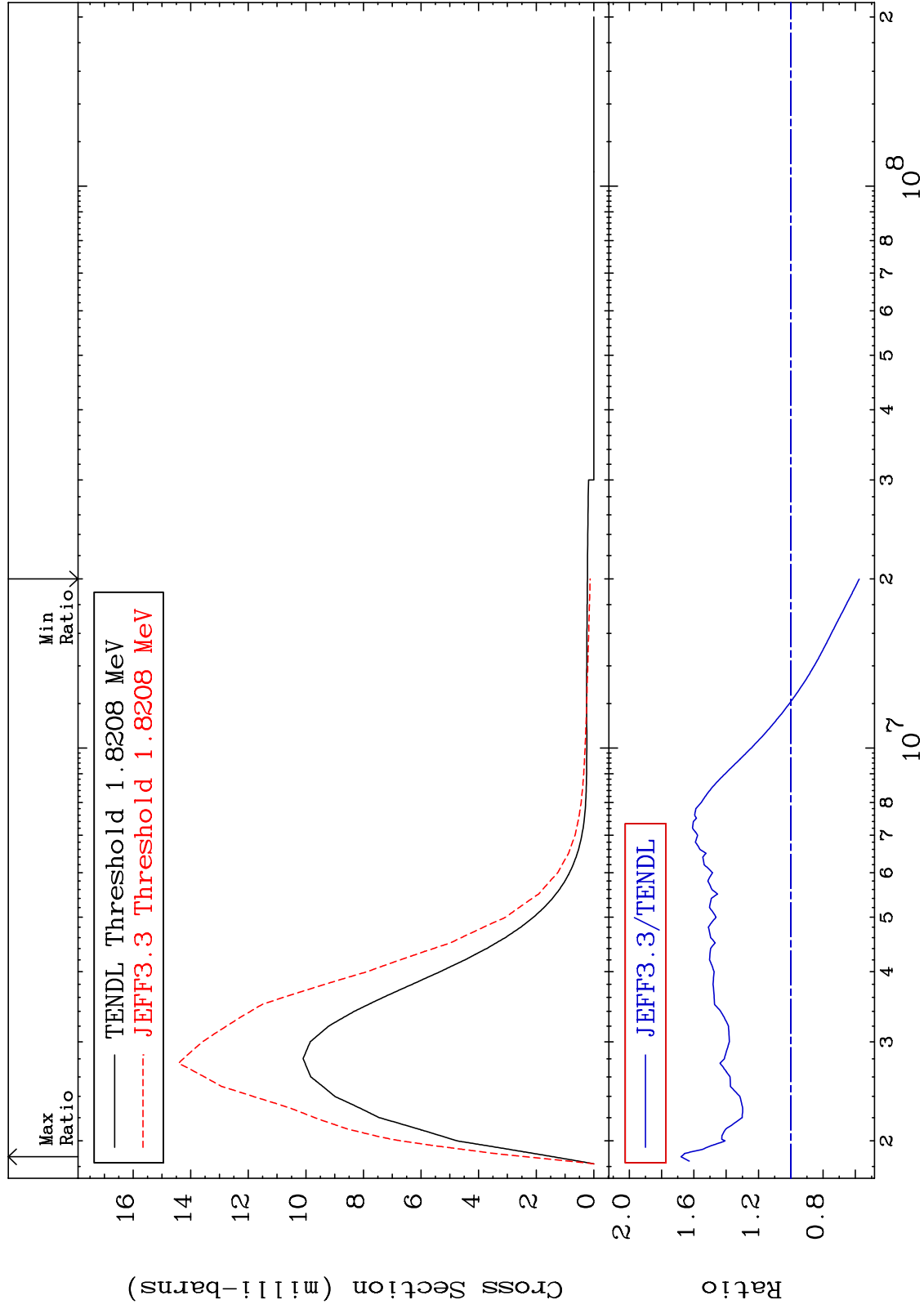
MAT 5034 MT= 61 (n,n') Level Cross Section 50-Sn-115
 6.933 To 9999. %



MAT 5034

MT= 62 (n,n') Level
Cross Section

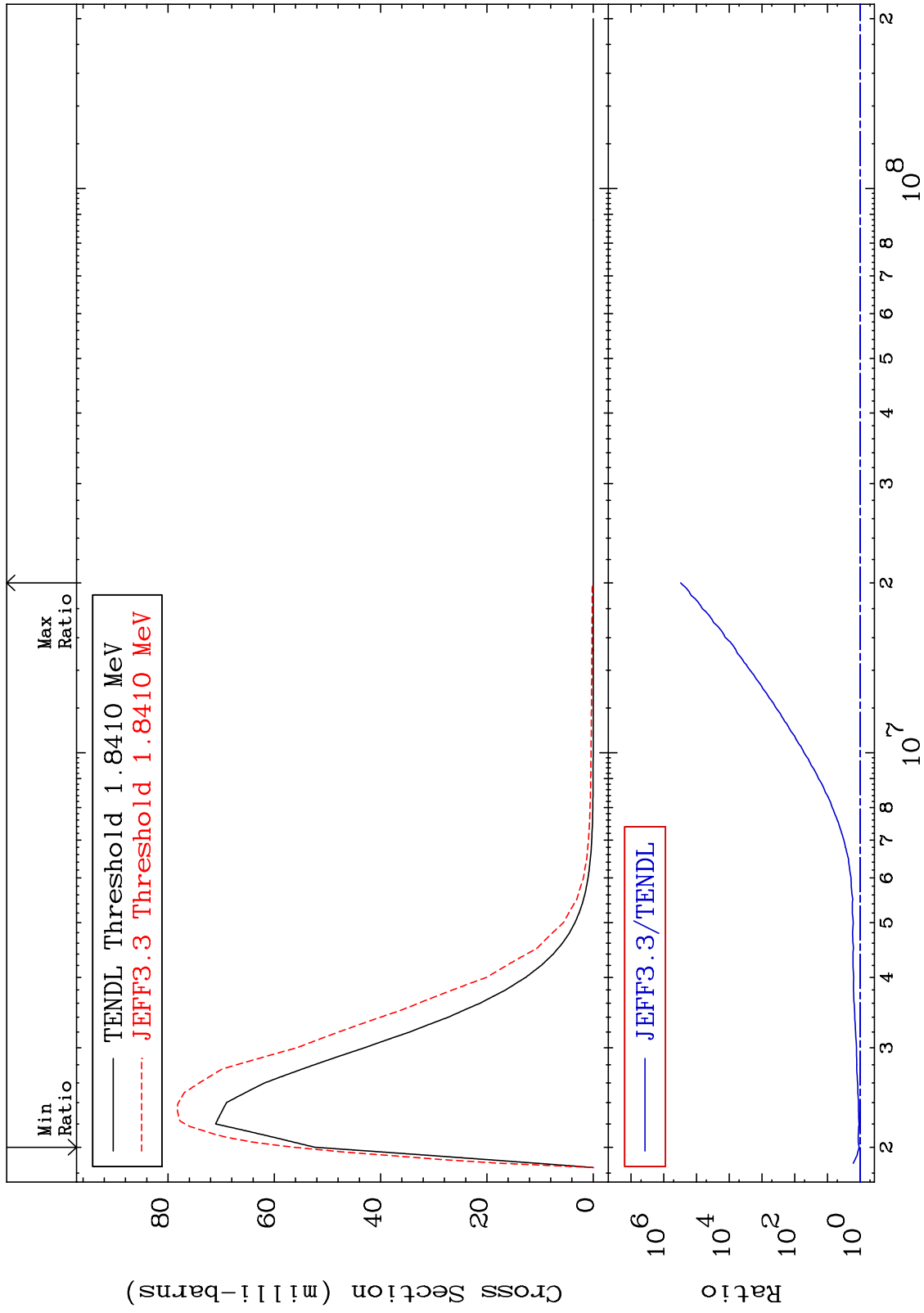
50-Sn-115
-42.40 To 67.95 %



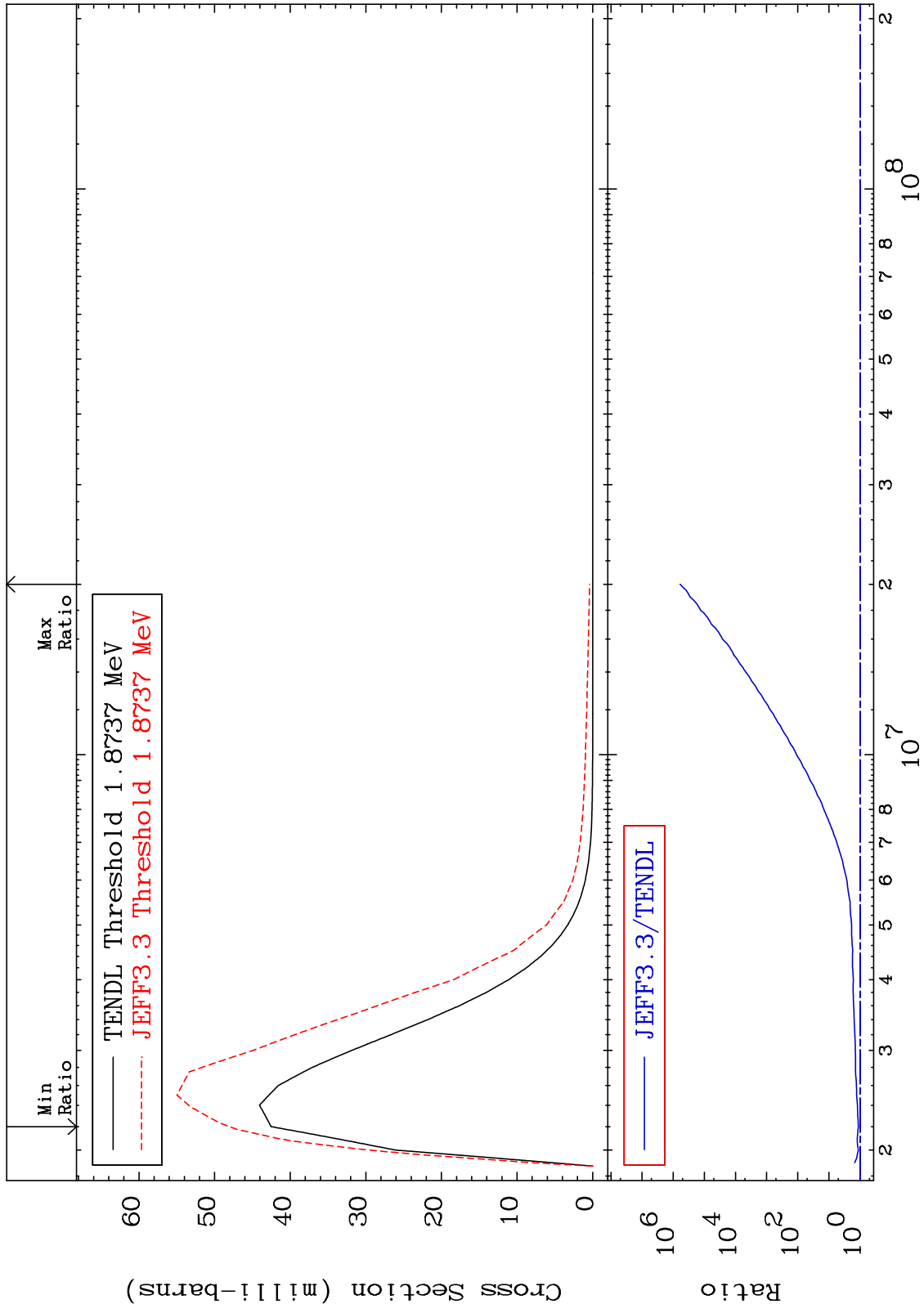
MAT 5034

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

50-Sn-115
7.339 To 9999. %



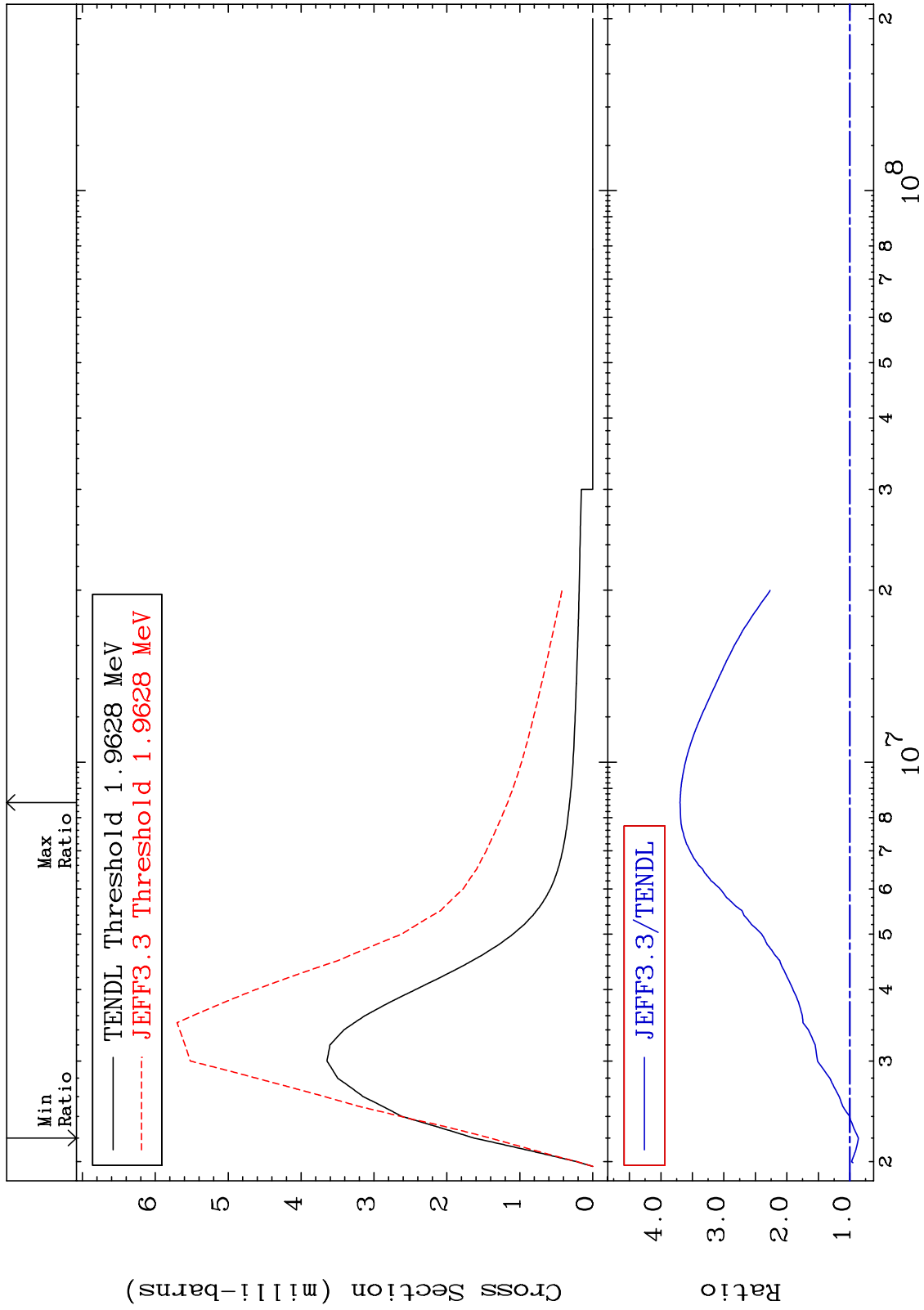
MAT 5034 MT= 64 (n,n') Level Cross Section 50-Sn-115
 12.93 To 9999. %



MAT 5034

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

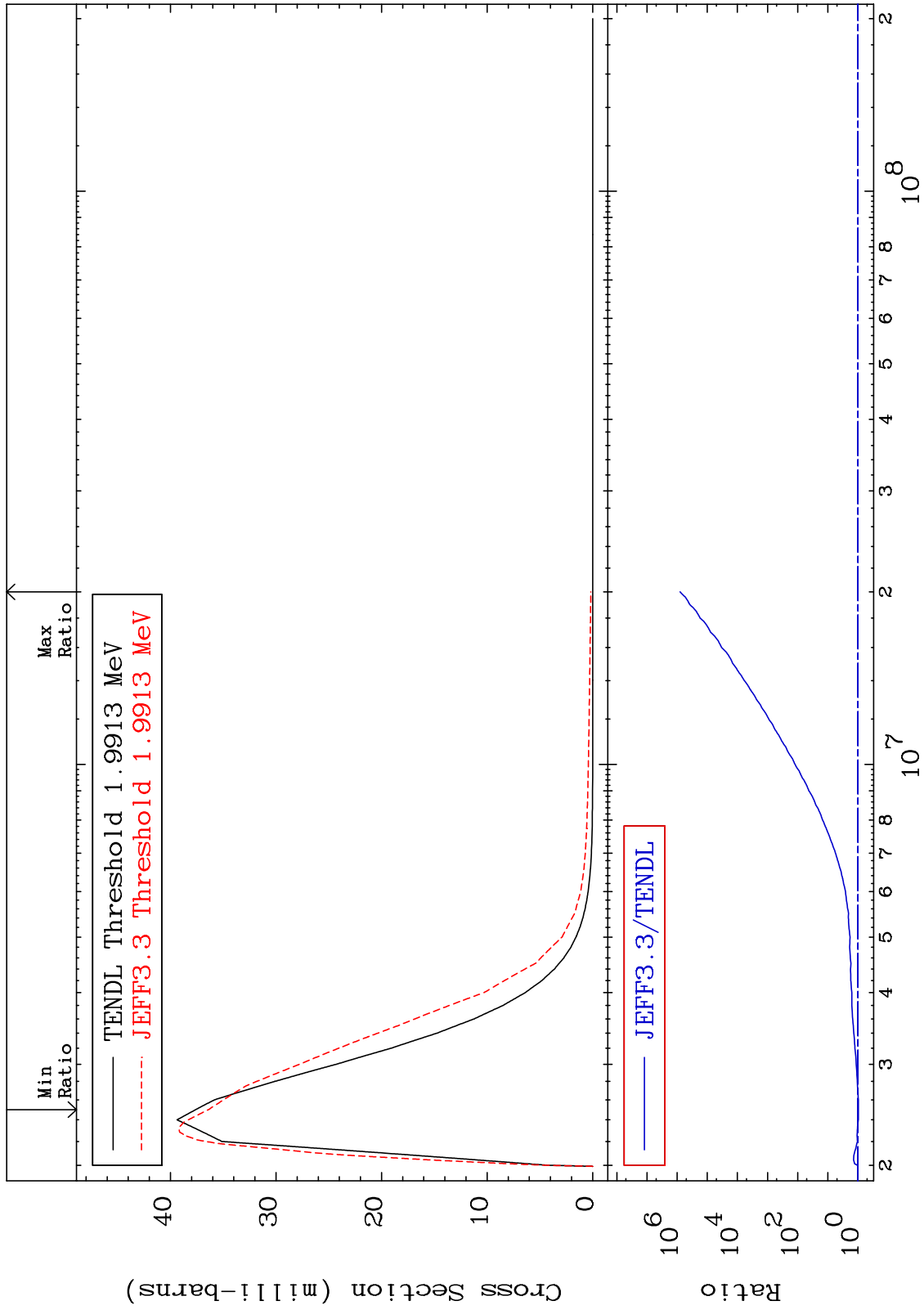
50-Sn-115
-13.55 To 269.6 %



MAT 5034

MT= 66 (n,n') Level
Cross Section

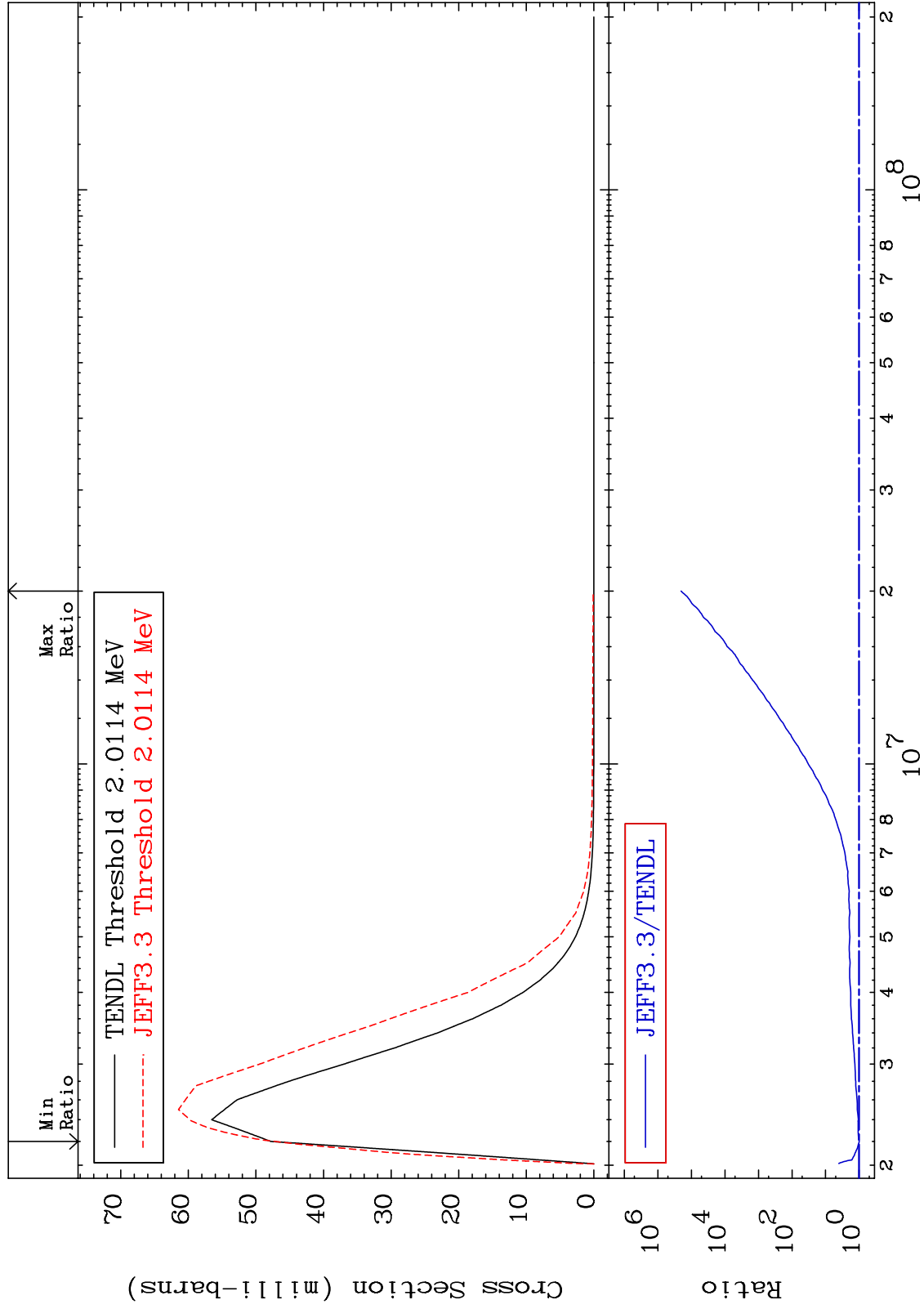
50-Sn-115
-3.215 To 9999. %



MAT 5034

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

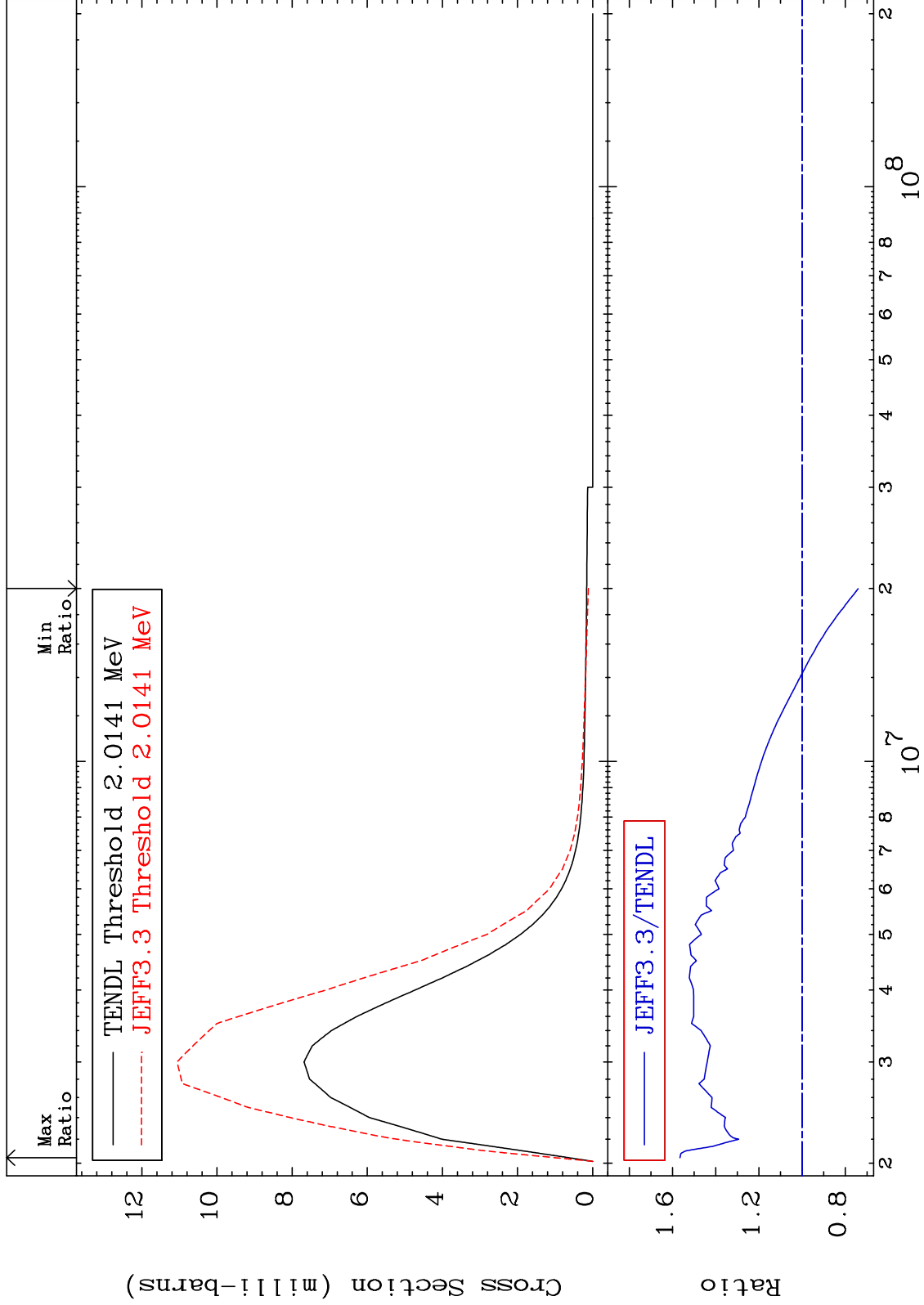
50-Sn-115
-1.359 To 9999. %



MAT 5034

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

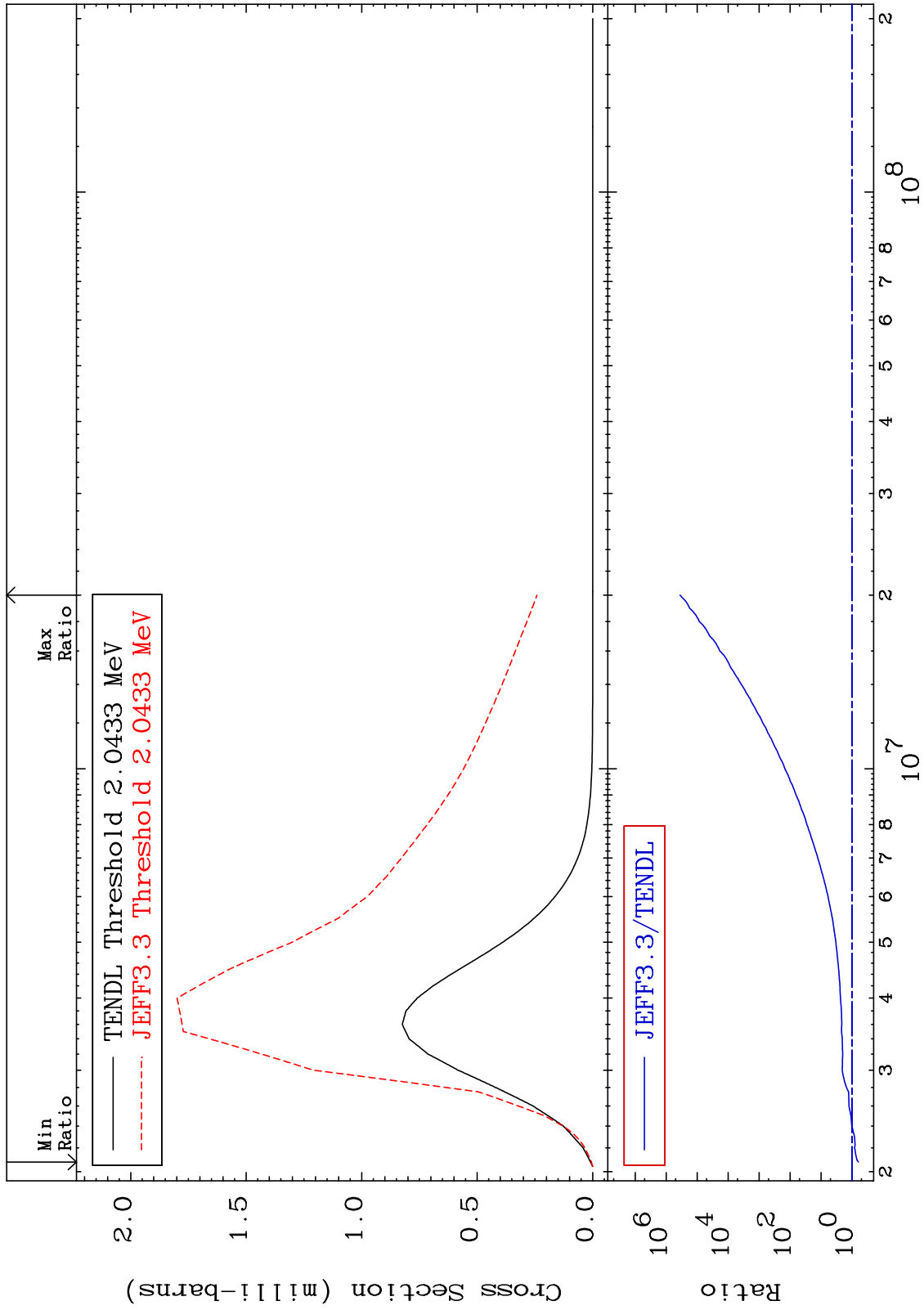
50-Sn-115
-26.03 To 56.52 %



MAT 5034

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

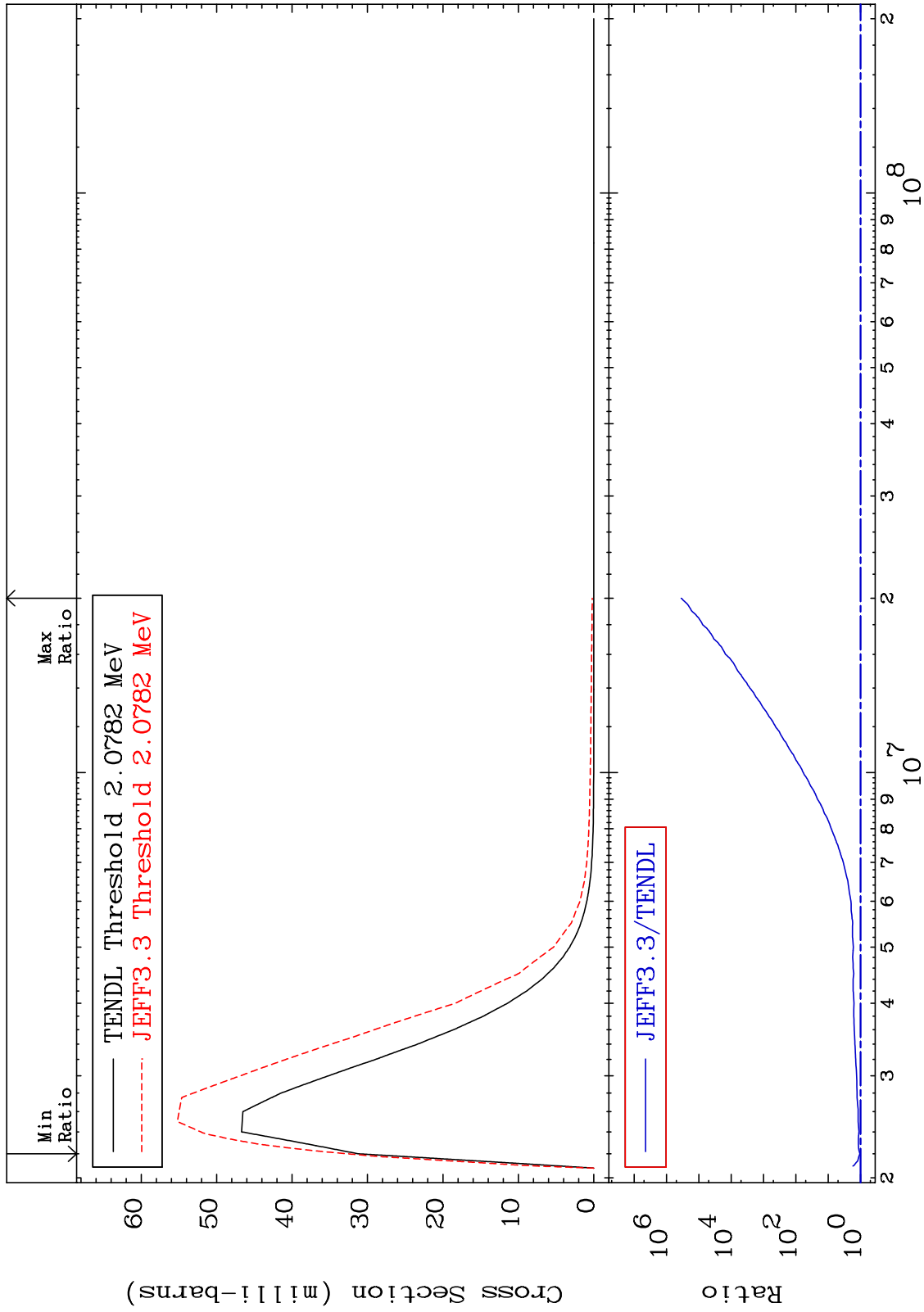
50-Sn-115
-37.67 To 9999. %



MAT 5034

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

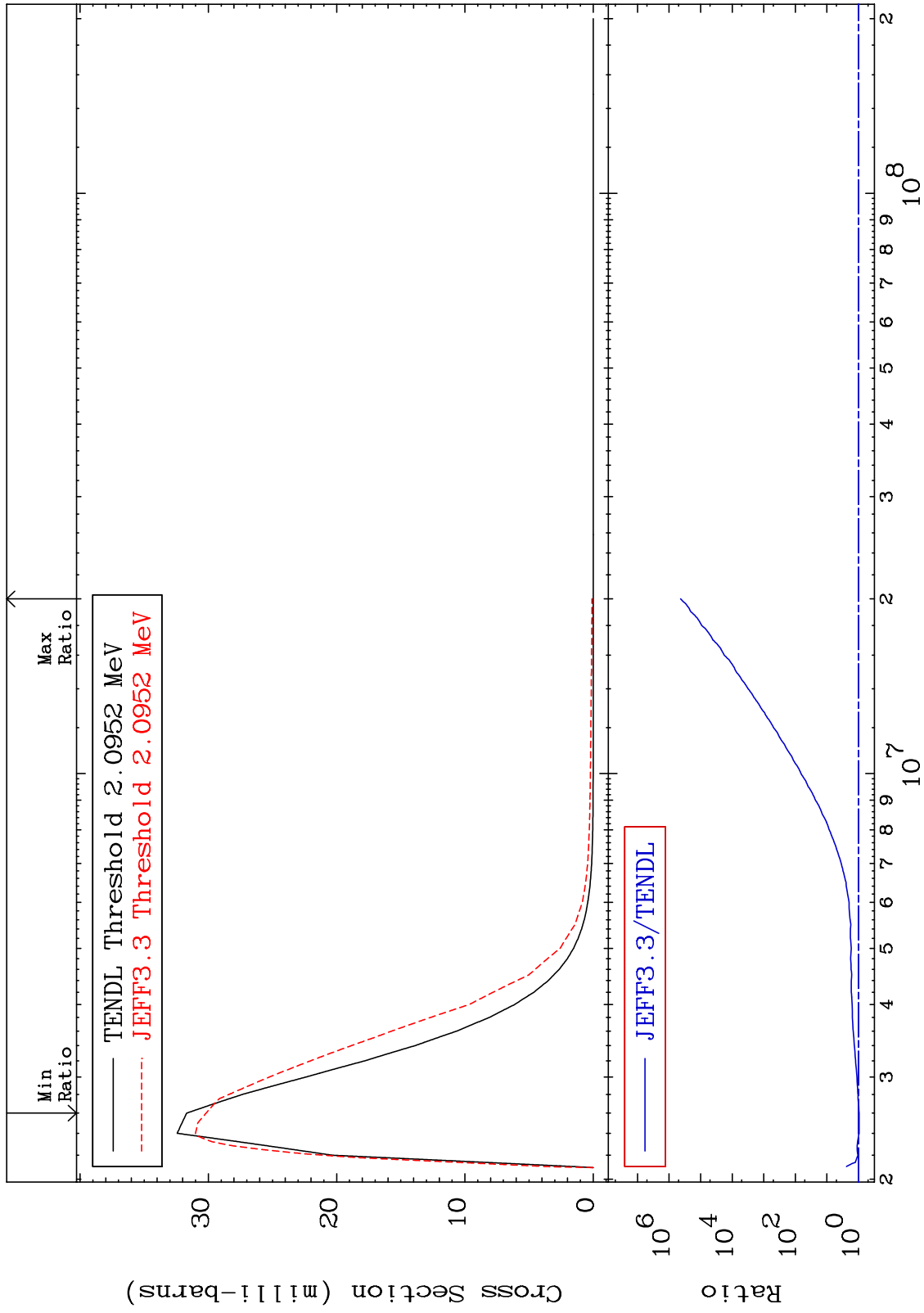
50-Sn-115
To 9999. %



MAT 5034

MT= 71 (n,n') Level
Cross Section

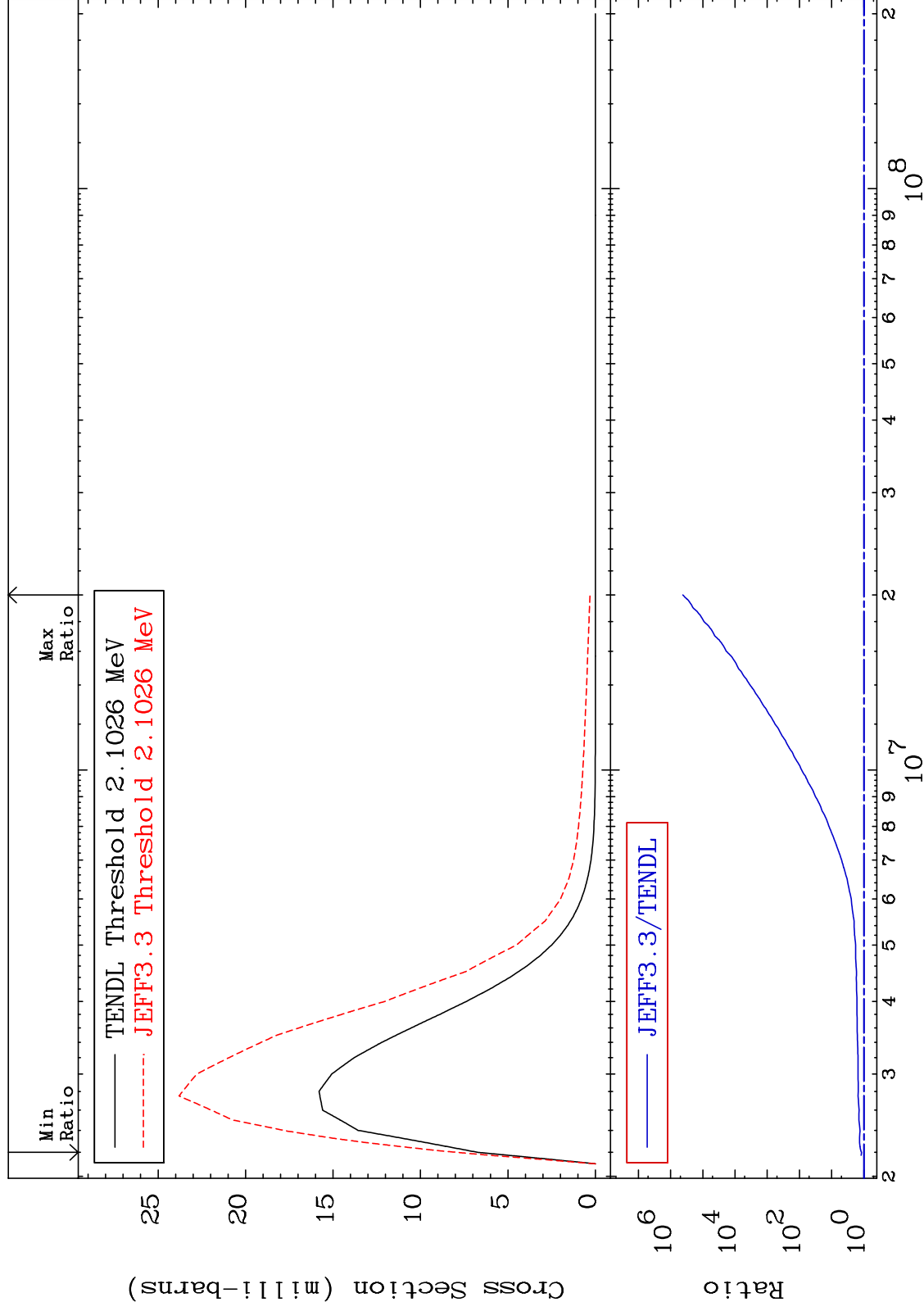
50-Sn-115
-4.784 To 9999. %



MAT 5034

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

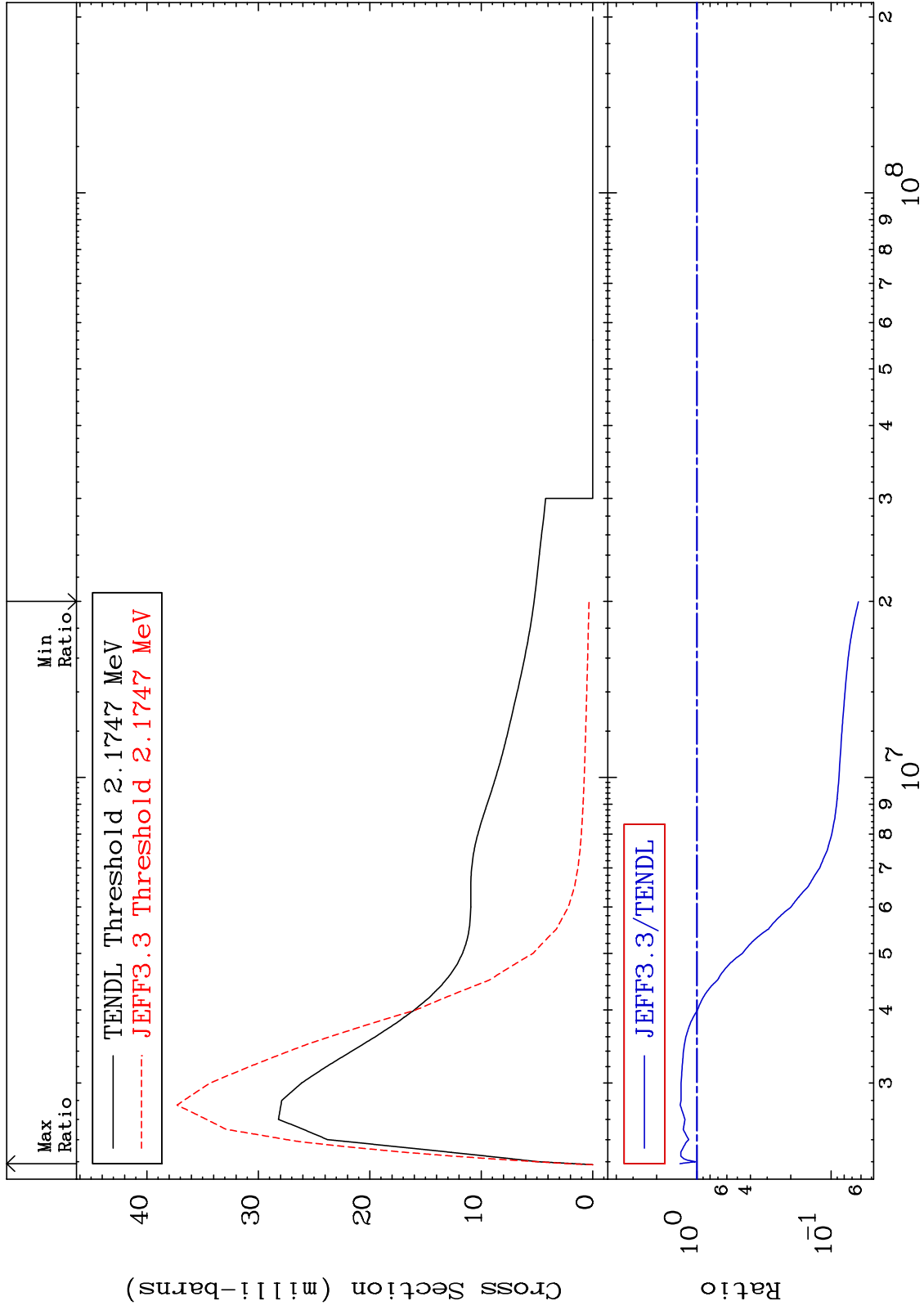
50-Sn-115
17.65 To 9999. %



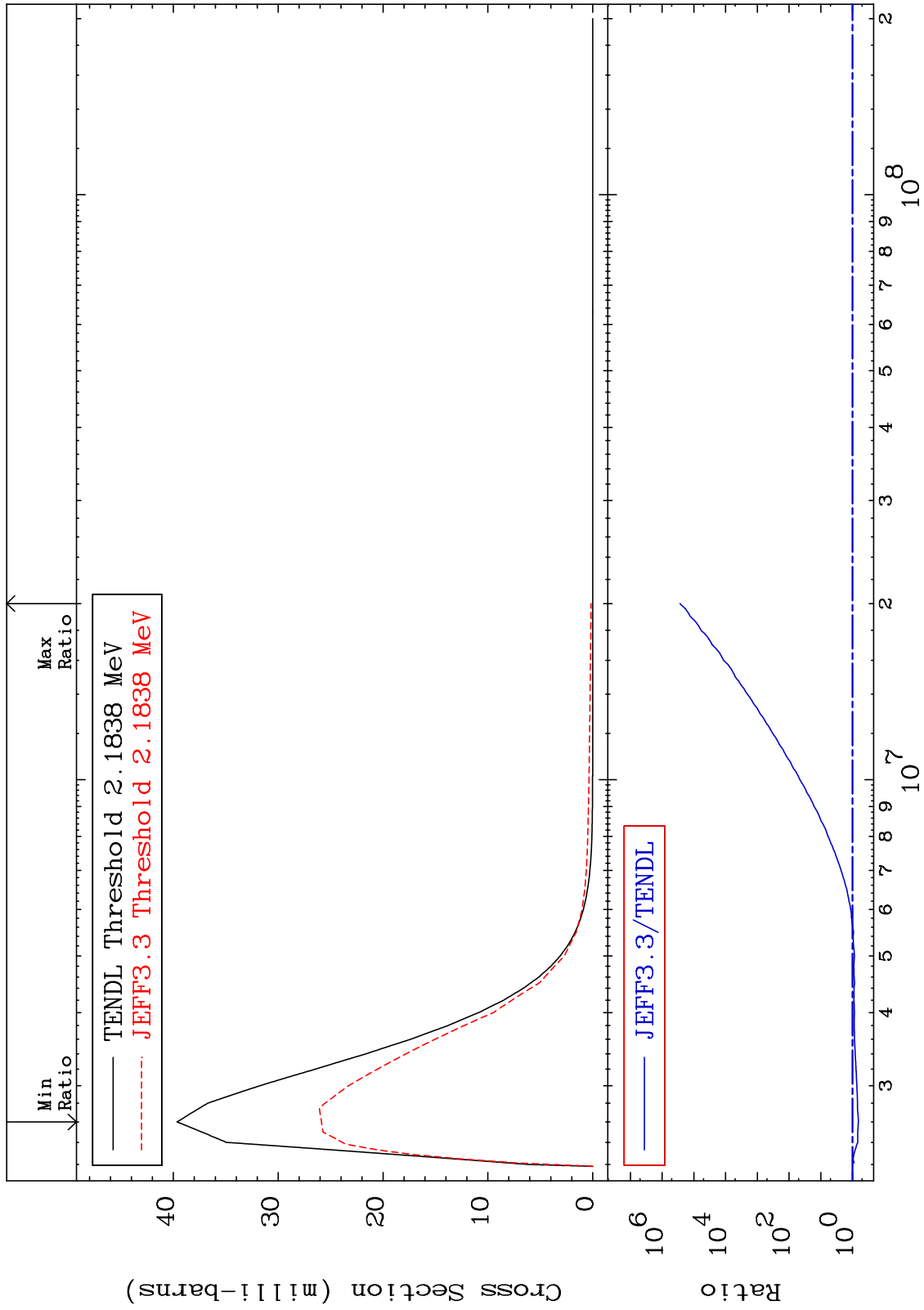
MAT 5034

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

50-Sn-115
-93.74 To 33.88 %



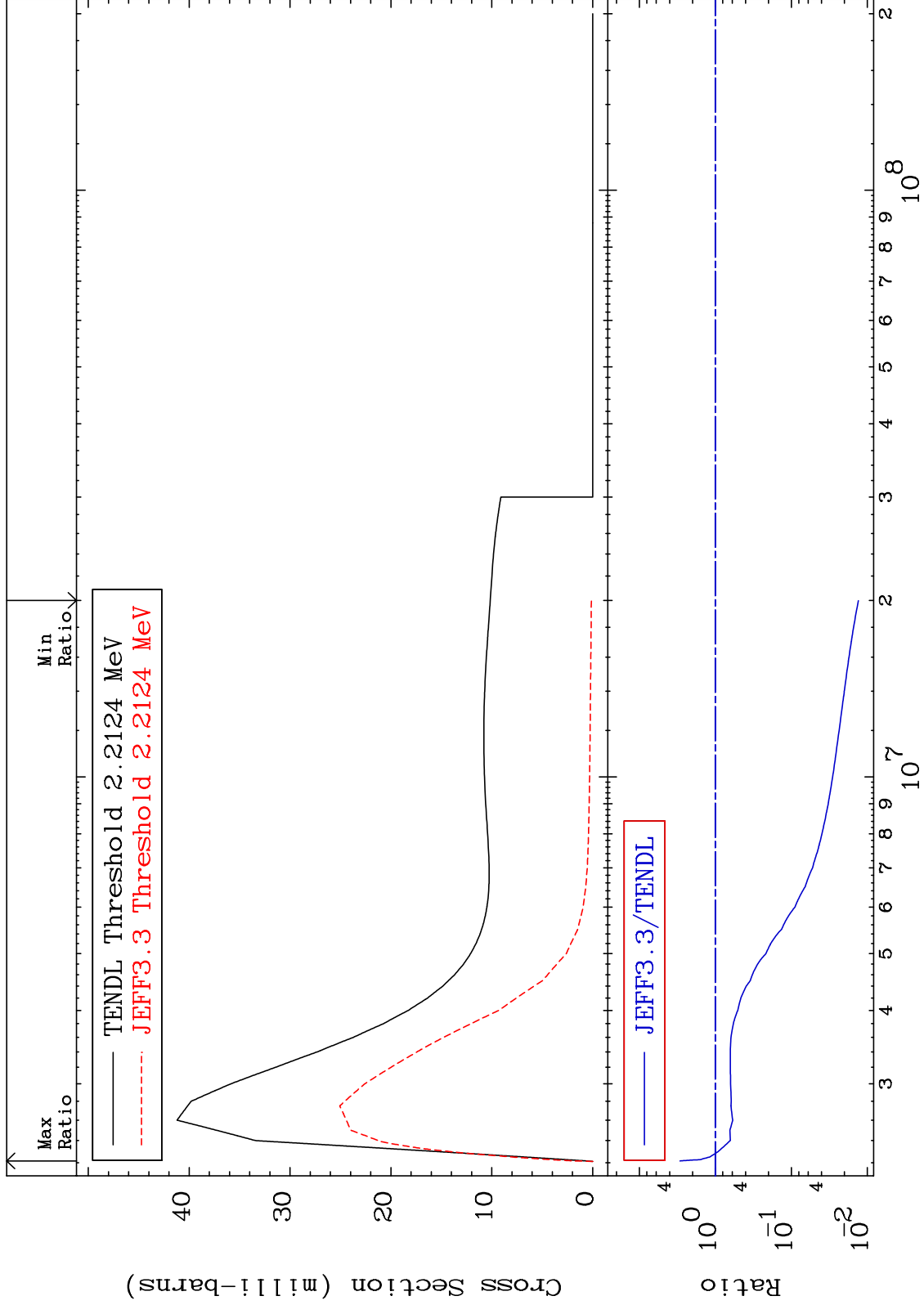
MAT 5034 MT= 74 (n,n') Level Cross Section 50-Sn-115
 -34.74 To 9999. %



MAT 5034

MT= 75 (n,n') Level
Cross Section

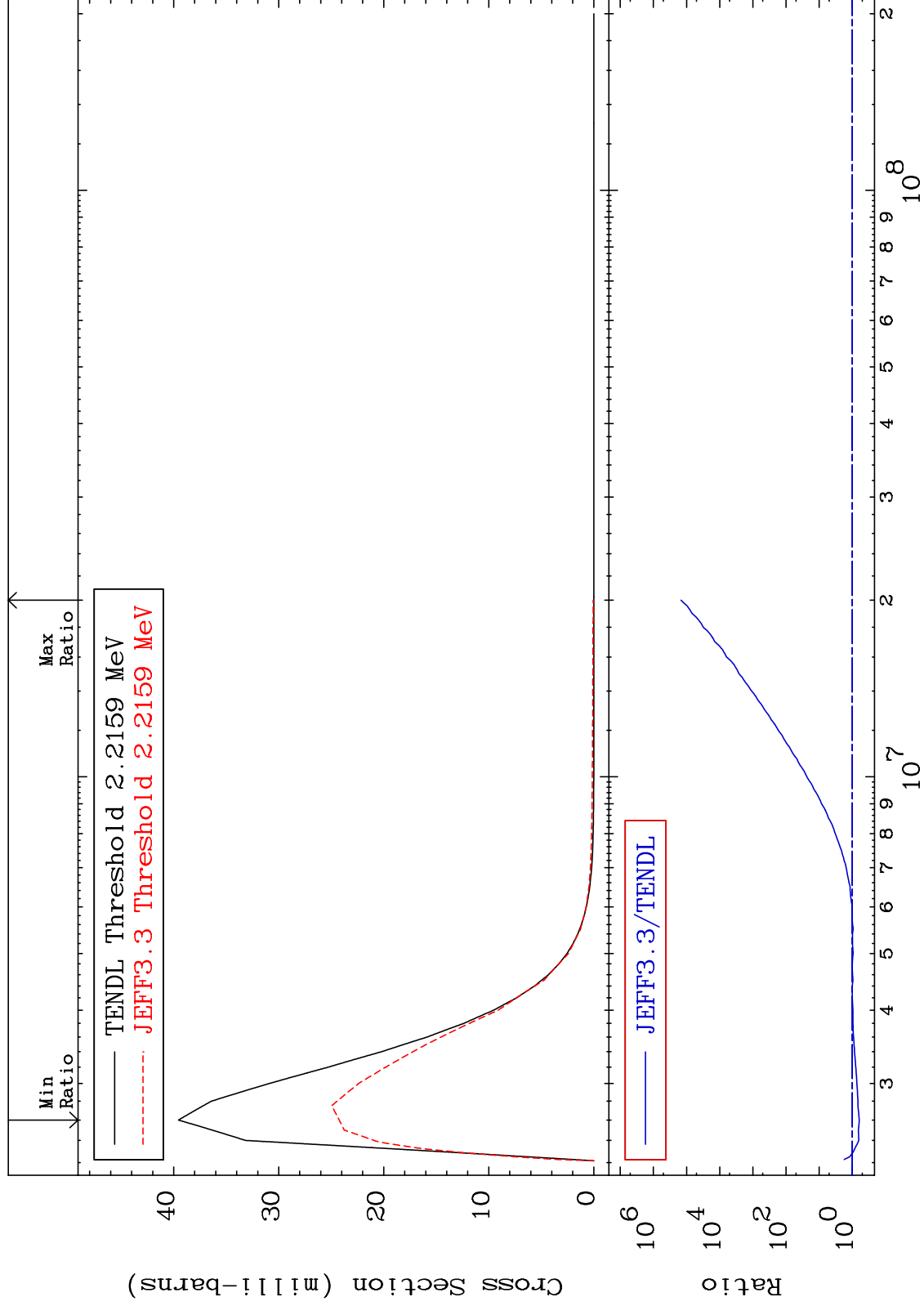
50-Sn-115
-98.69 To 191.9 %



MAT 5034

MT= 76 (n,n') Level
Cross Section

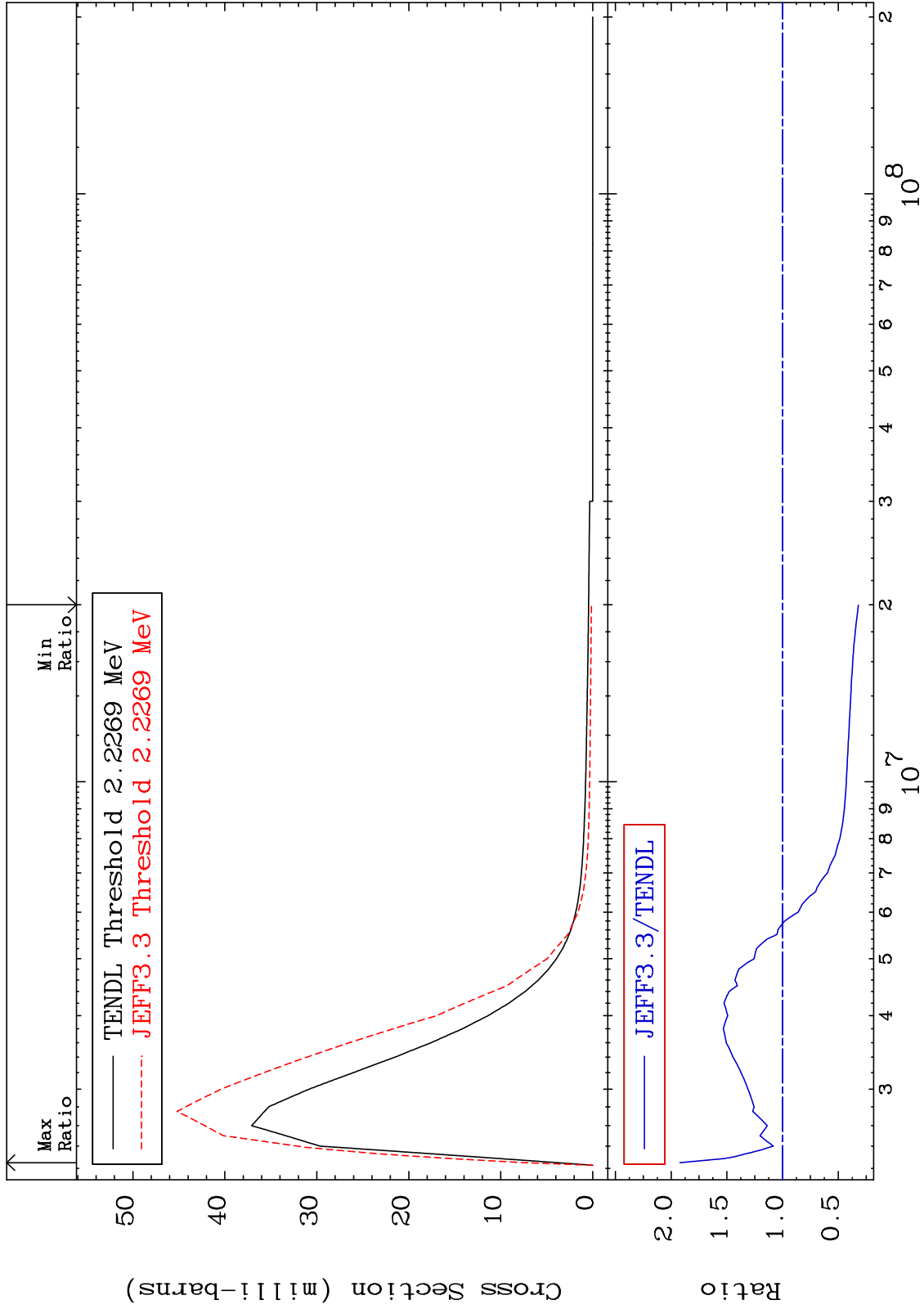
50-Sn-115
-38.69 To 9999. %



MAT 5034

MT= 77 (n,n') Level
Cross Section

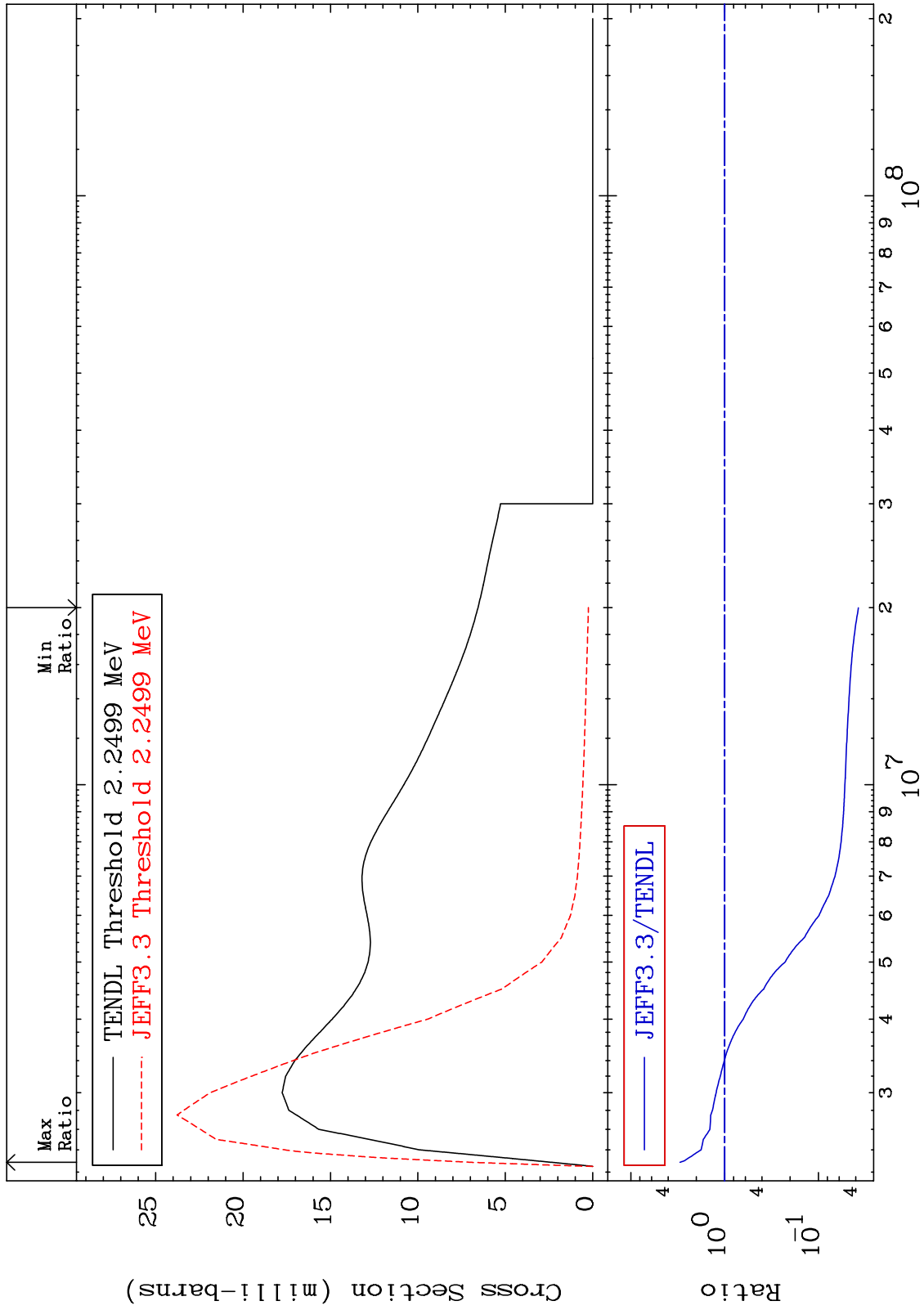
50-Sn-115
-68.06 To 92.06 %



MAT 5034

MT= 78 (n,n') Level
Cross Section

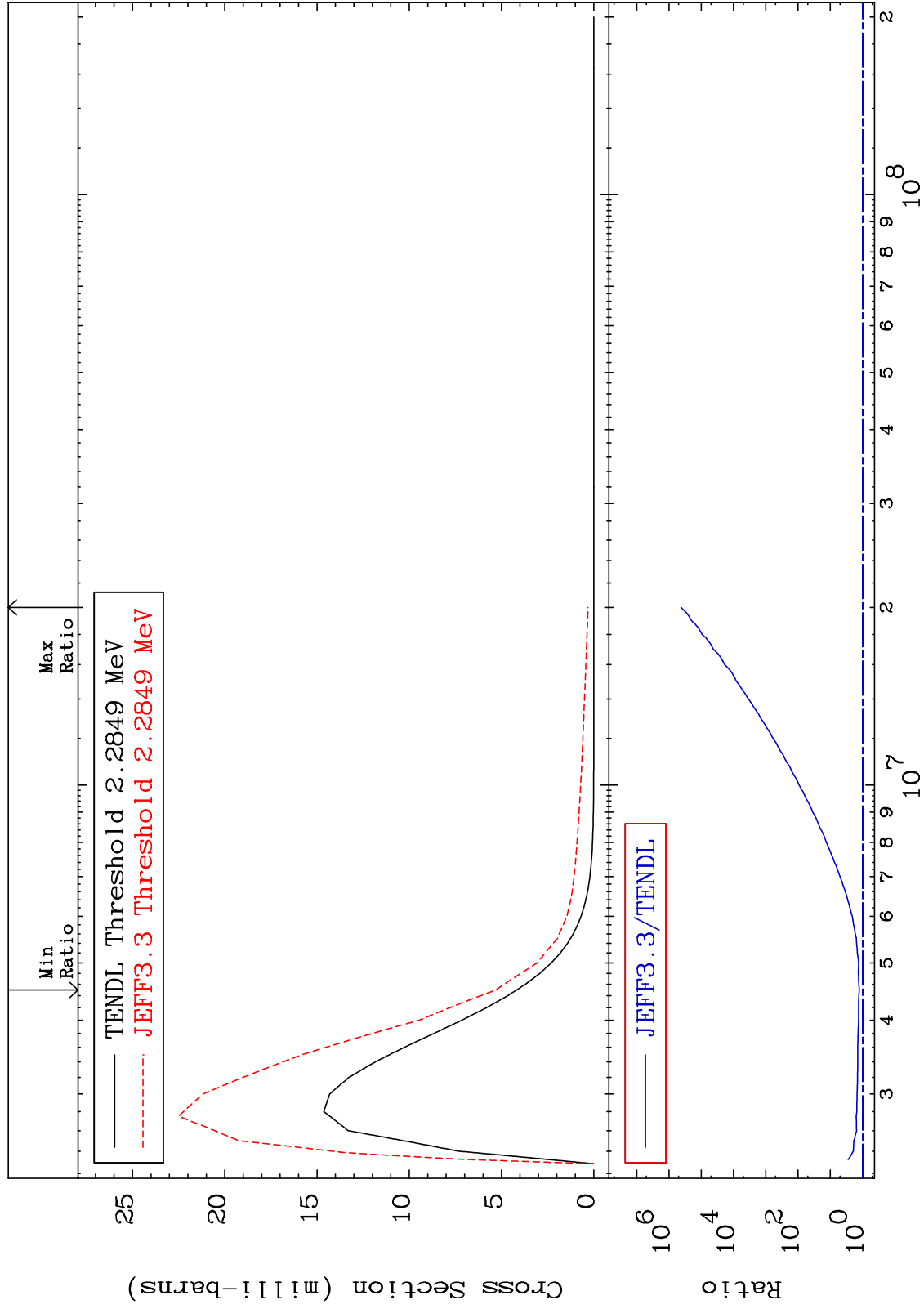
50-Sn-115
-96.26 To 198.5 %



MAT 5034

MT= 79 (n,n') Level
Cross Section

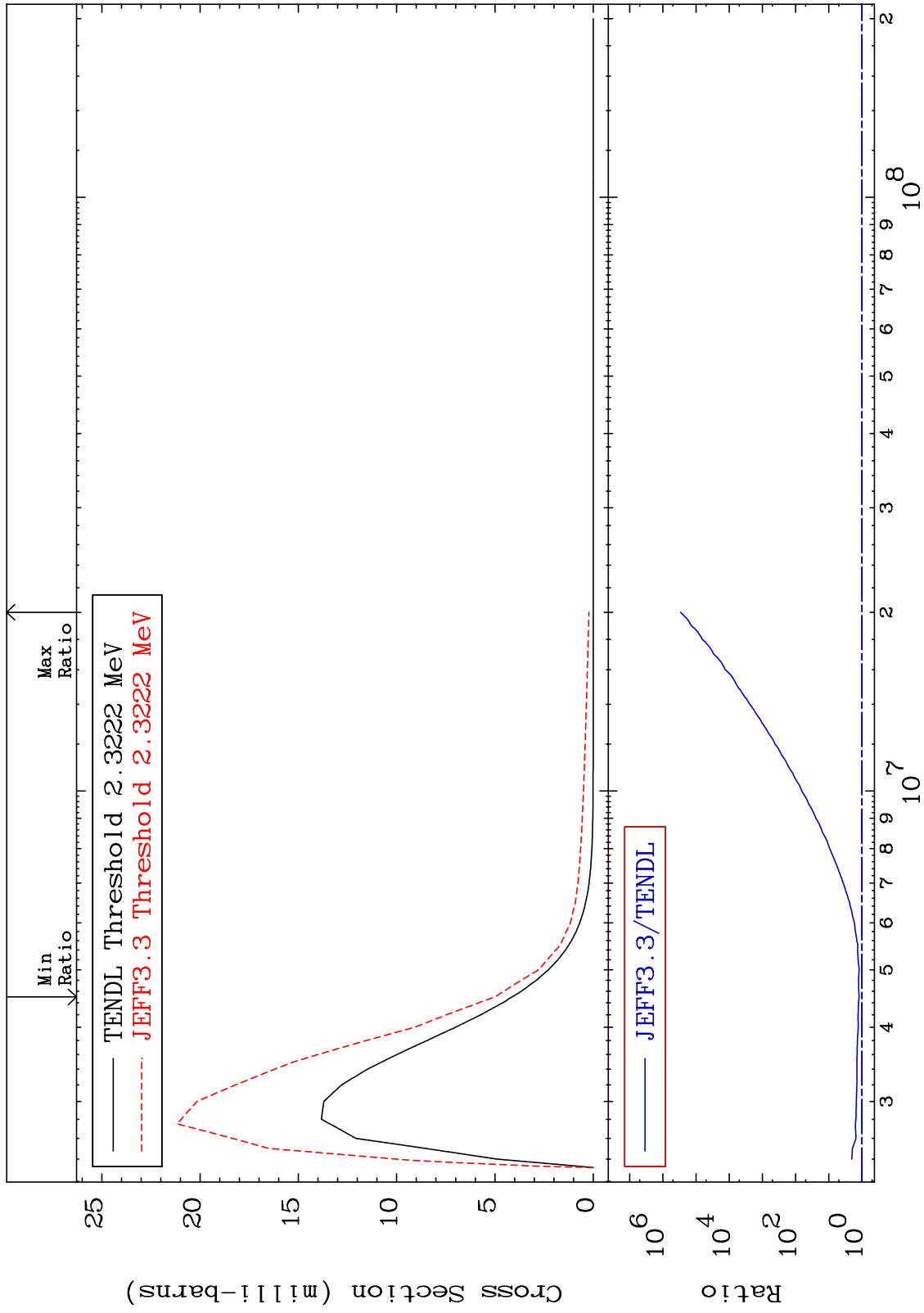
50-Sn-115
26.85 To 9999. %



MAT 5034

MT= 80 (n,n') Level
Cross Section

50-Sn-115
21.07 To 9999. %



40

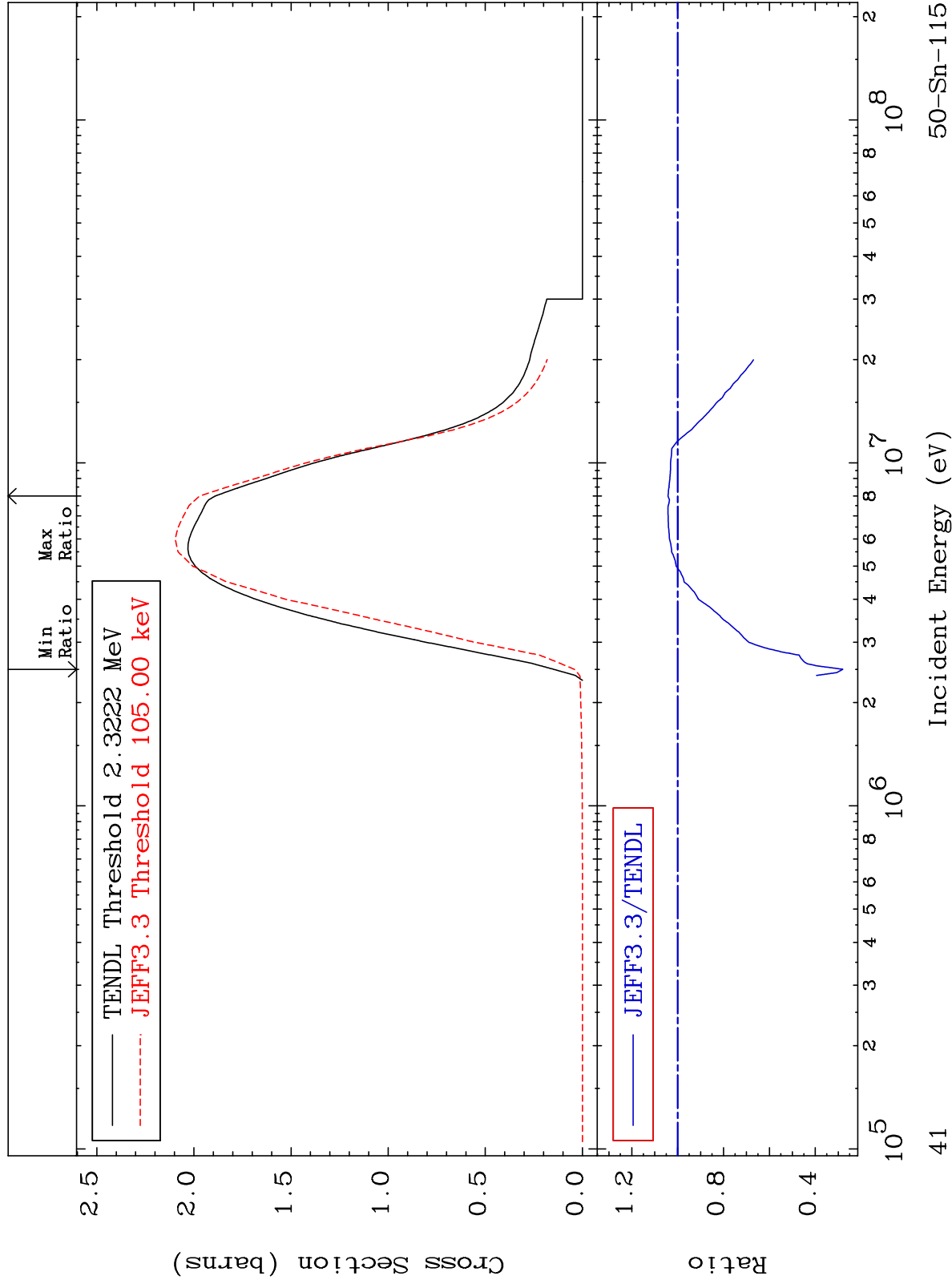
Incident Energy (eV)

50-Sn-115

MAT 5034

(n, n') Continuum
Cross Section

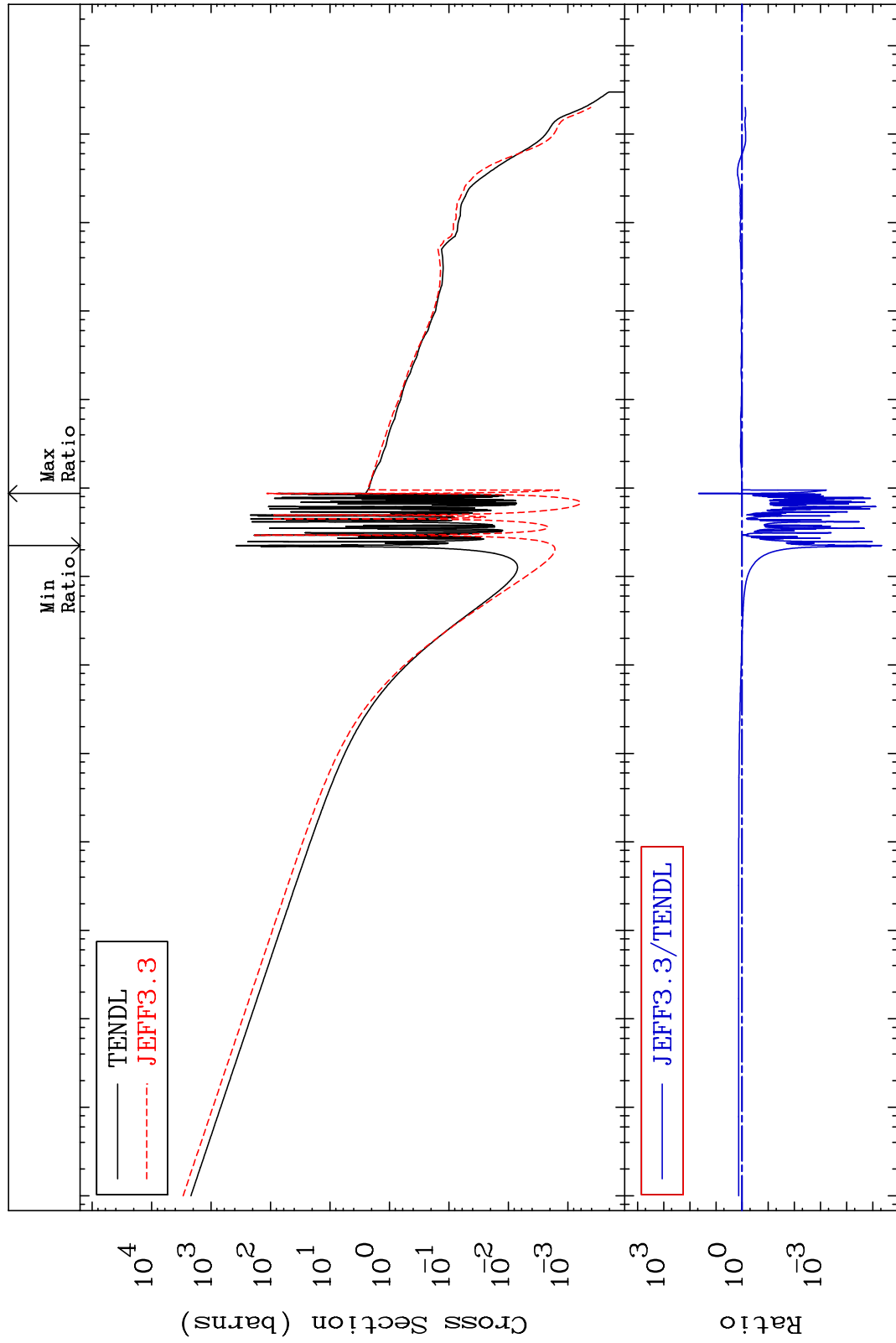
50-Sn-115
-72.01 To 4.210 %



MAT 5034

(n, γ)
Cross Section

50-Sn-115
-100.0 To 4470. %



Incident Energy (eV)
50-Sn-115

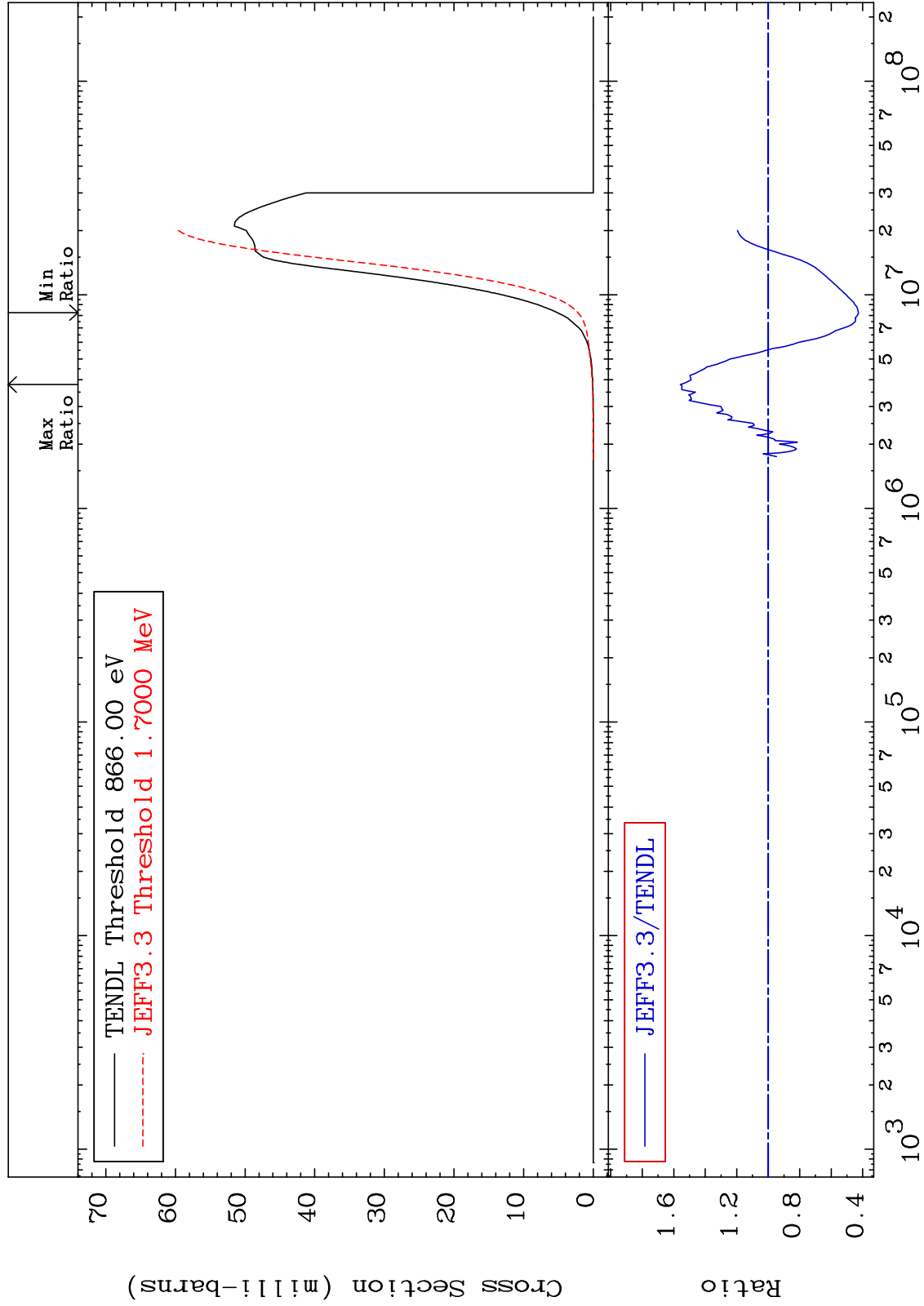
MAT 5034

(n,p)

50-Sn-115

Cross Section

-57.37 To 55.76 %



Incident Energy (eV)

50-Sn-115

43

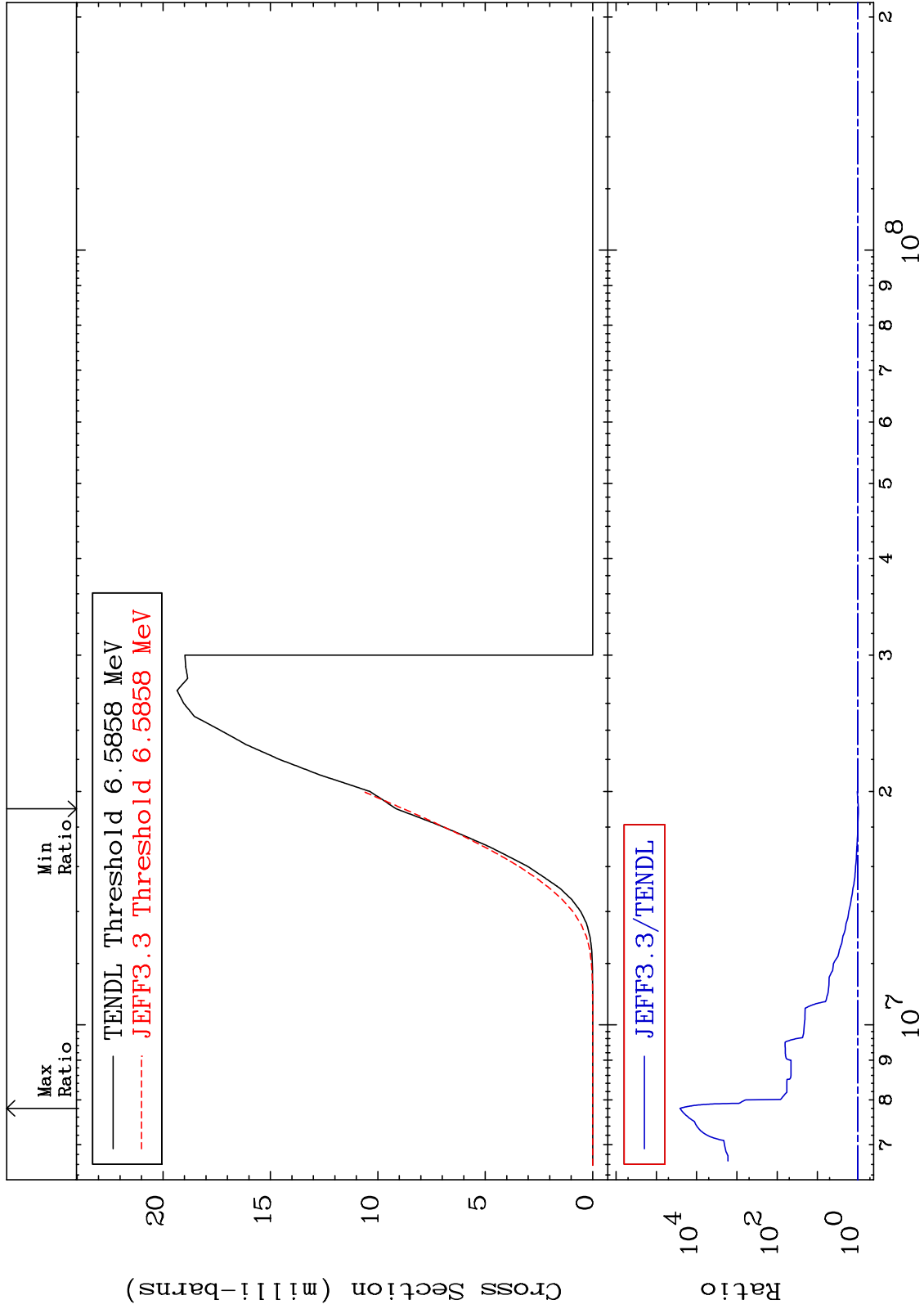
MAT 5034

(n, d)

50-Sn-115

Cross Section

-3.671 To 9999. %



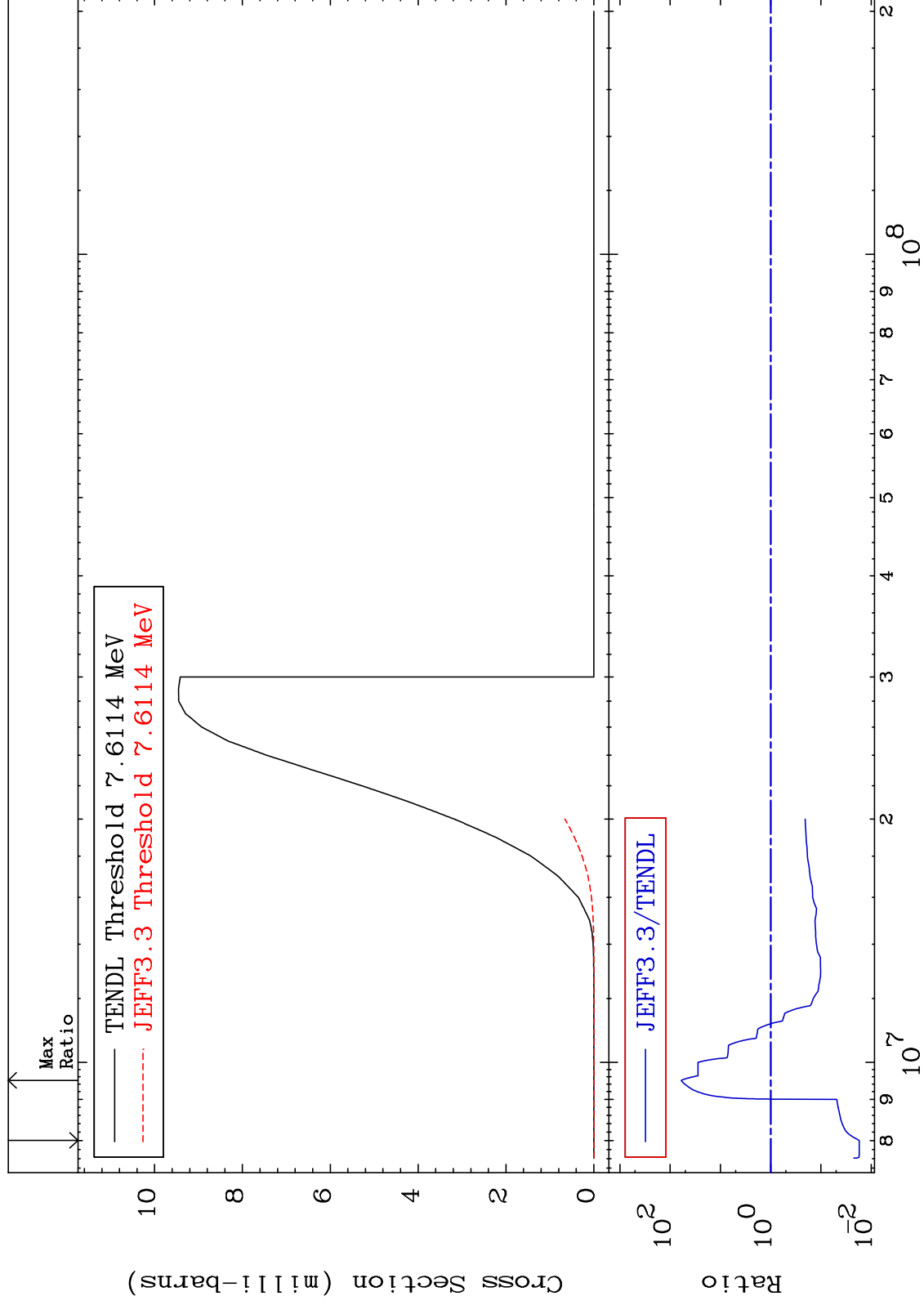
MAT 5034

(n, t)

50-Sn-115

Cross Section

-98.27 To 5979. %



45

Incident Energy (eV)

50-Sn-115

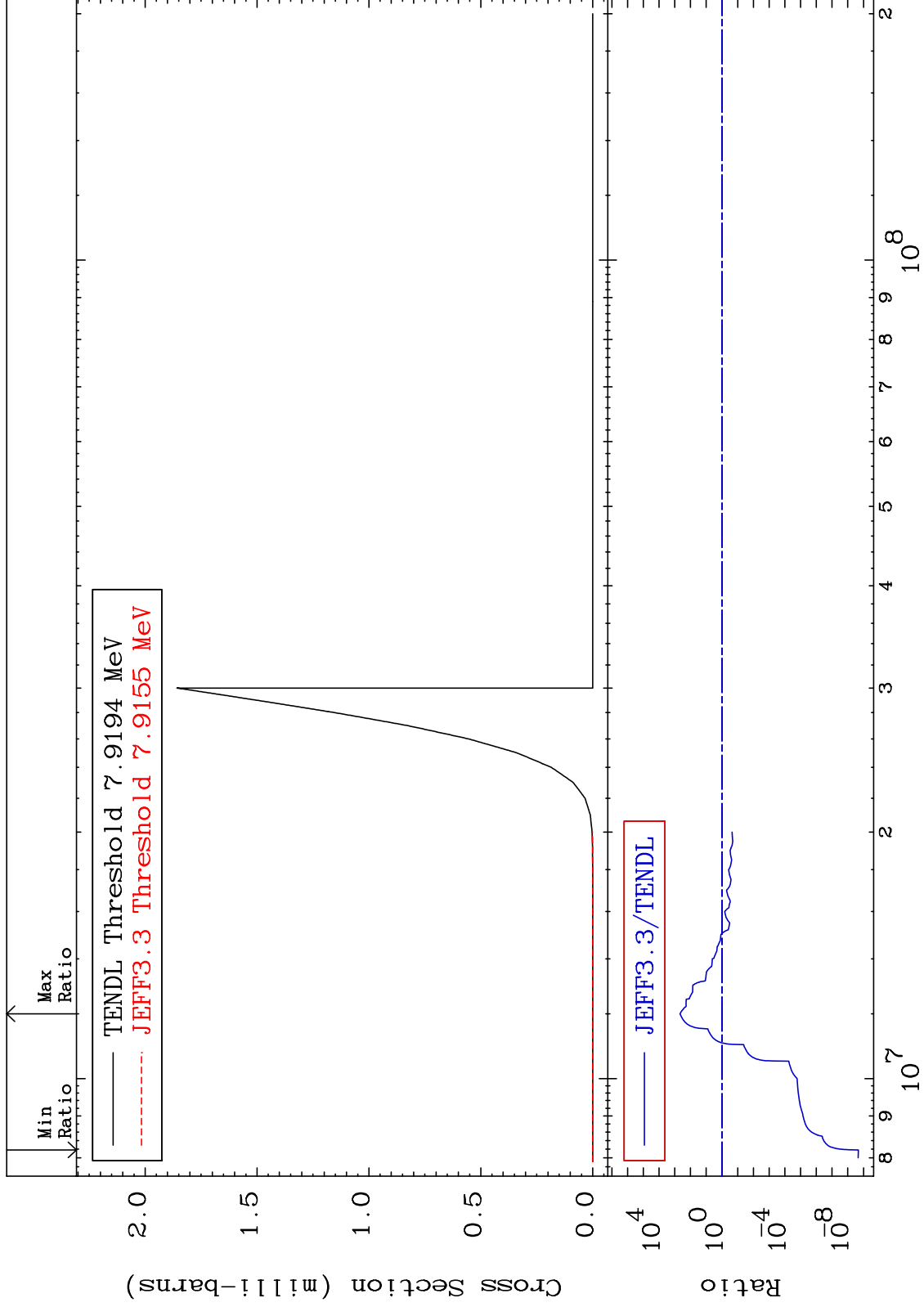
MAT 5034

(n, He-3)

50-Sn-115

Cross Section

-100.0 To 9999. %



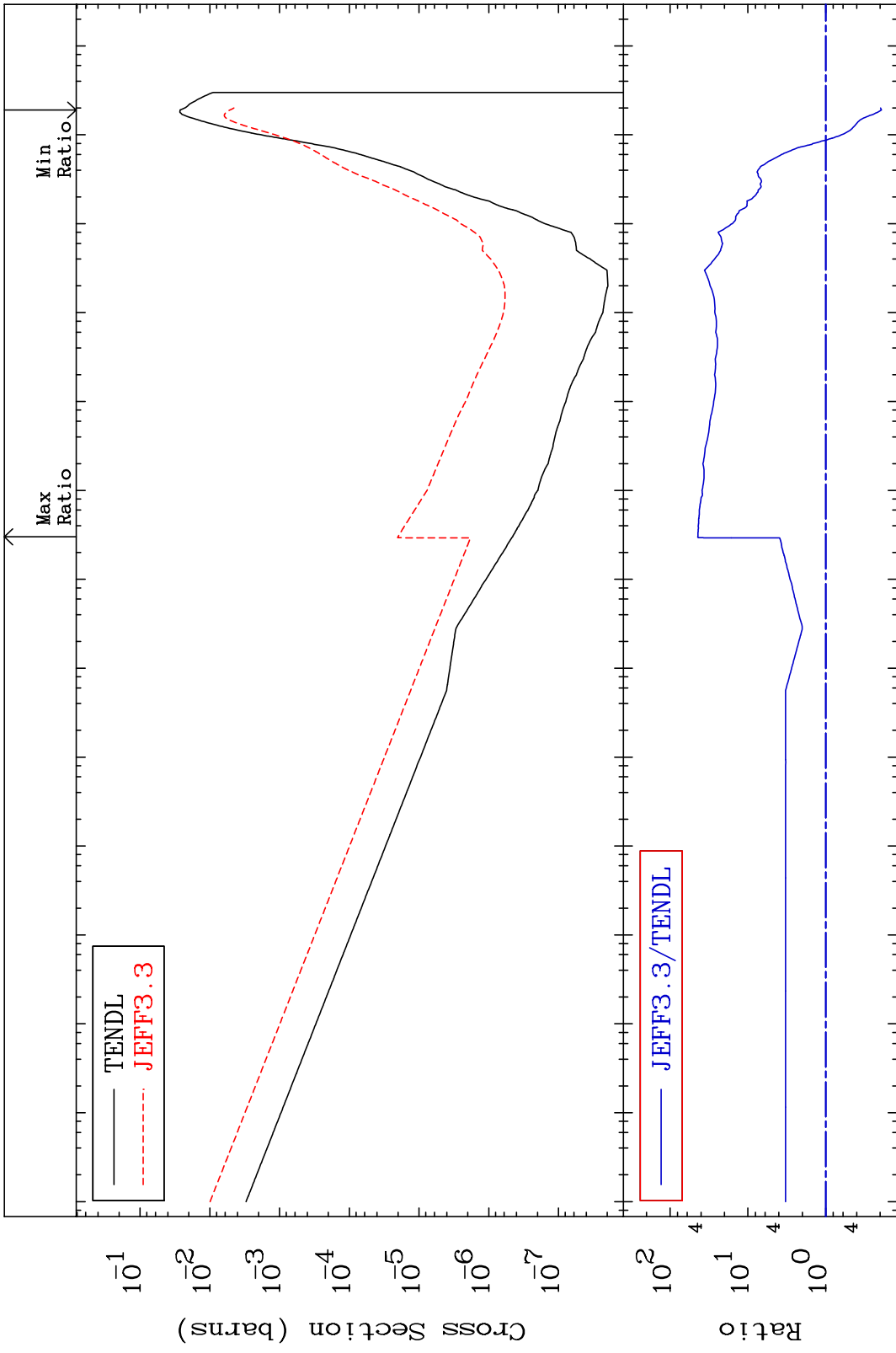
MAT 5034

(n, α)

50-Sn-115

-80.79 To 4296. %

Cross Section



— TENDL
- - - JEFF3.3

— JEFF3.3/TENDL

50-Sn-115

Incident Energy (eV)

47

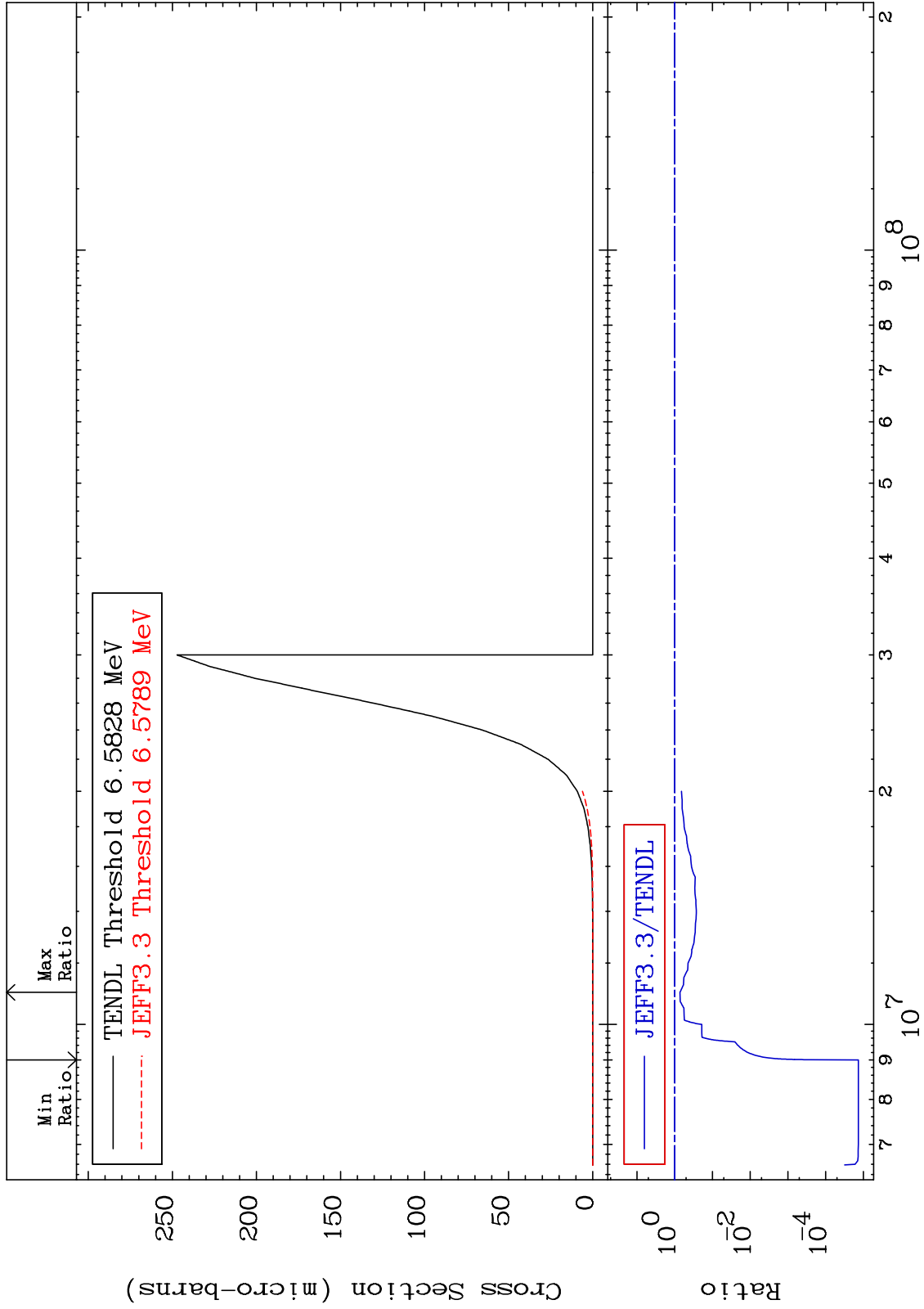
MAT 5034

(n,2p)

50-Sn-115

Cross Section

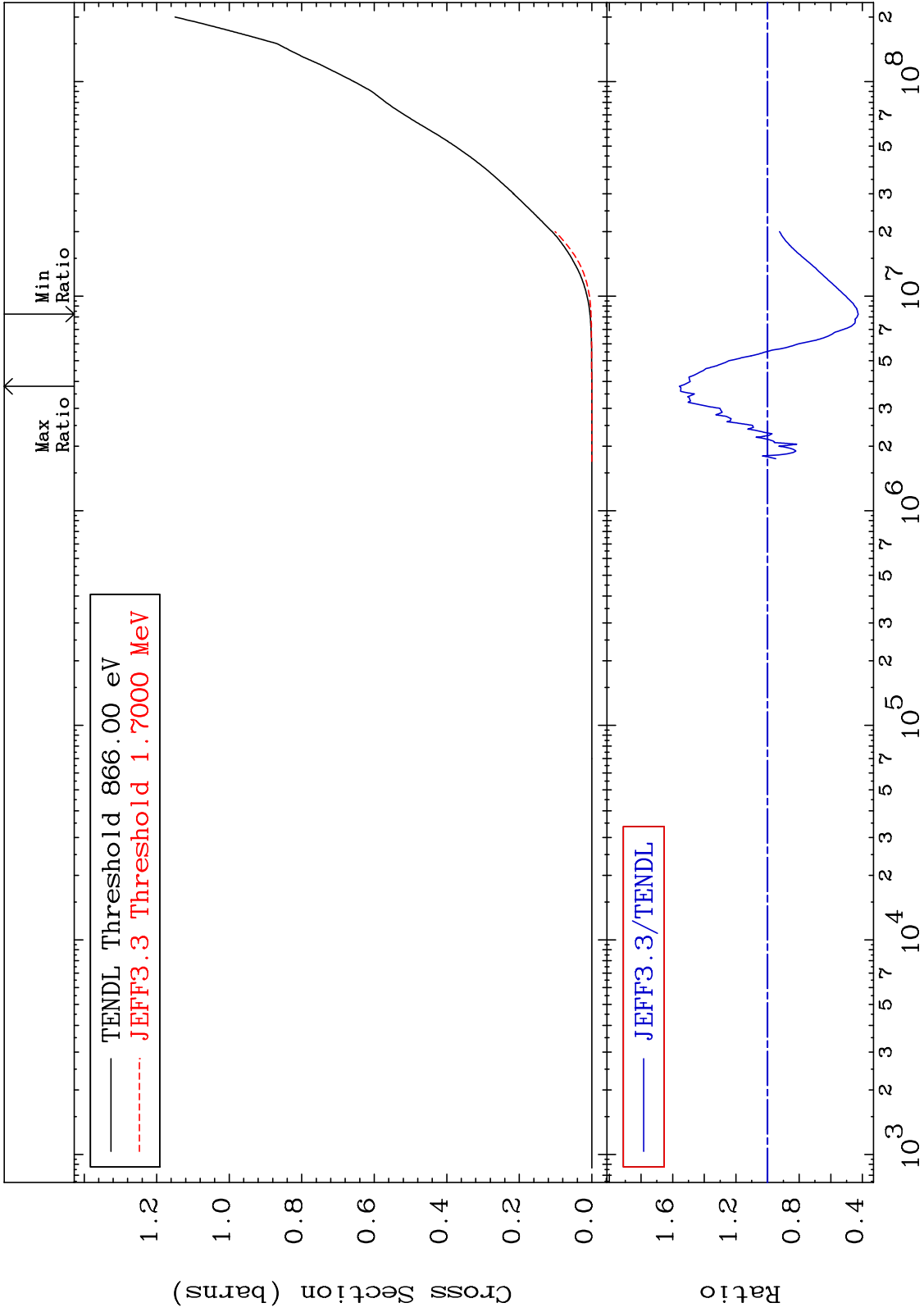
-100.0 To -27.44%



MAT 5034

Hydrogen Production
Cross Section

50-Sn-115
-57.37 To 55.76 %



49

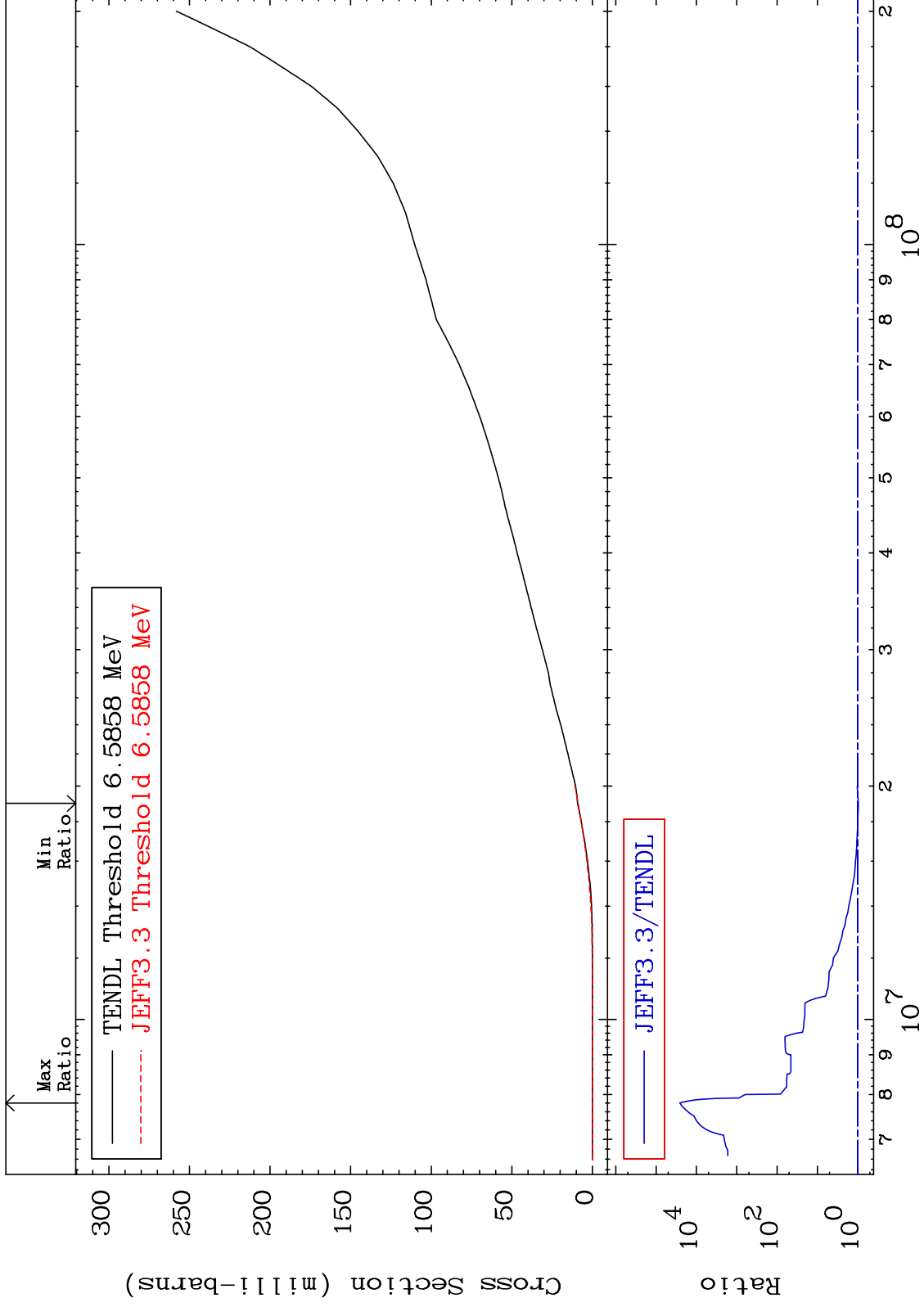
Incident Energy (eV)

50-Sn-115

MAT 5034

Deuterium Production
Cross Section

50-Sn-115
-3.547 To 9999. %



50

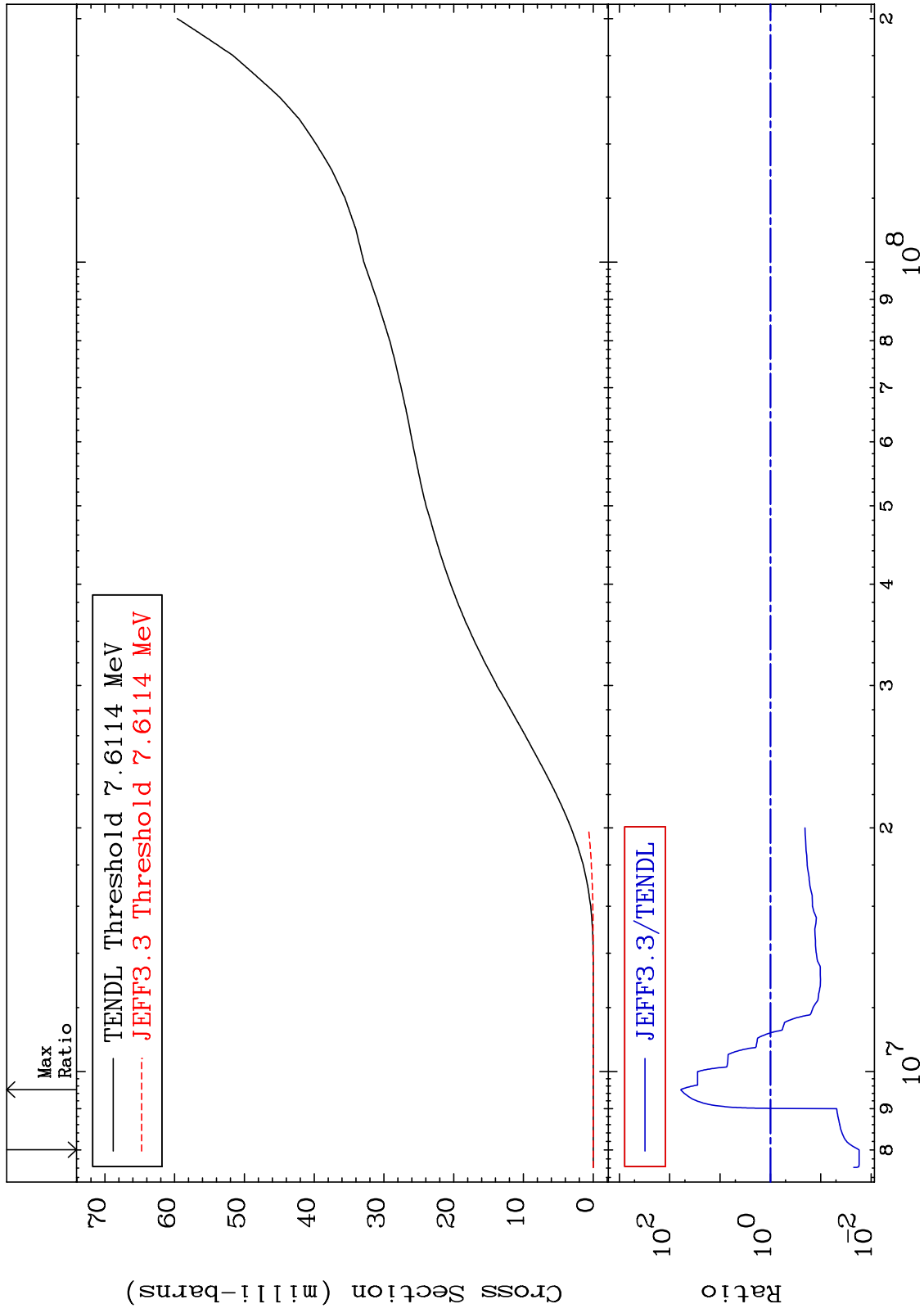
Incident Energy (eV)

50-Sn-115

MAT 5034

Tritium Production
Cross Section

50-Sn-115
-98.27 To 5979. %



51

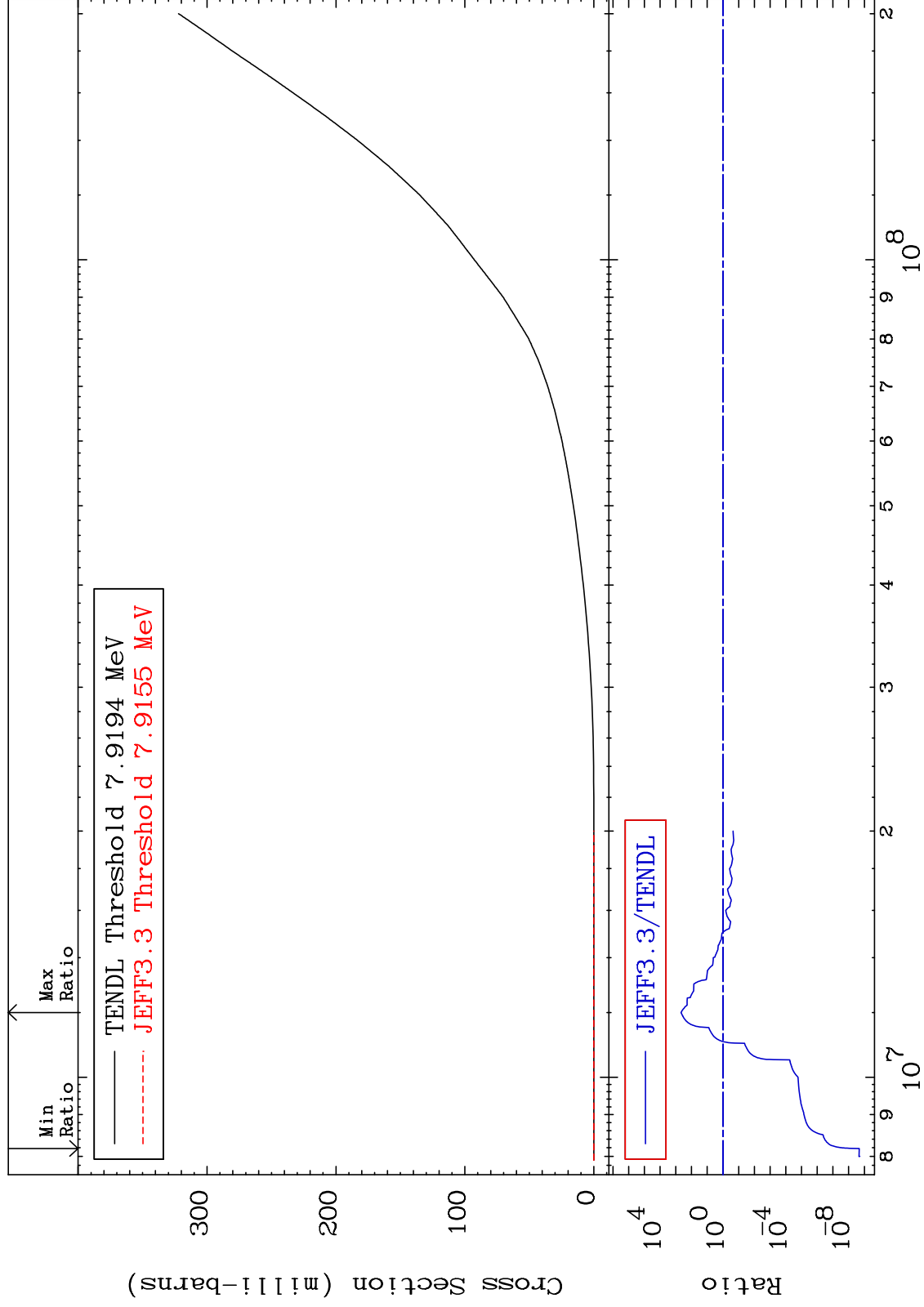
Incident Energy (eV)

50-Sn-115

MAT 5034

He-3 Production
Cross Section

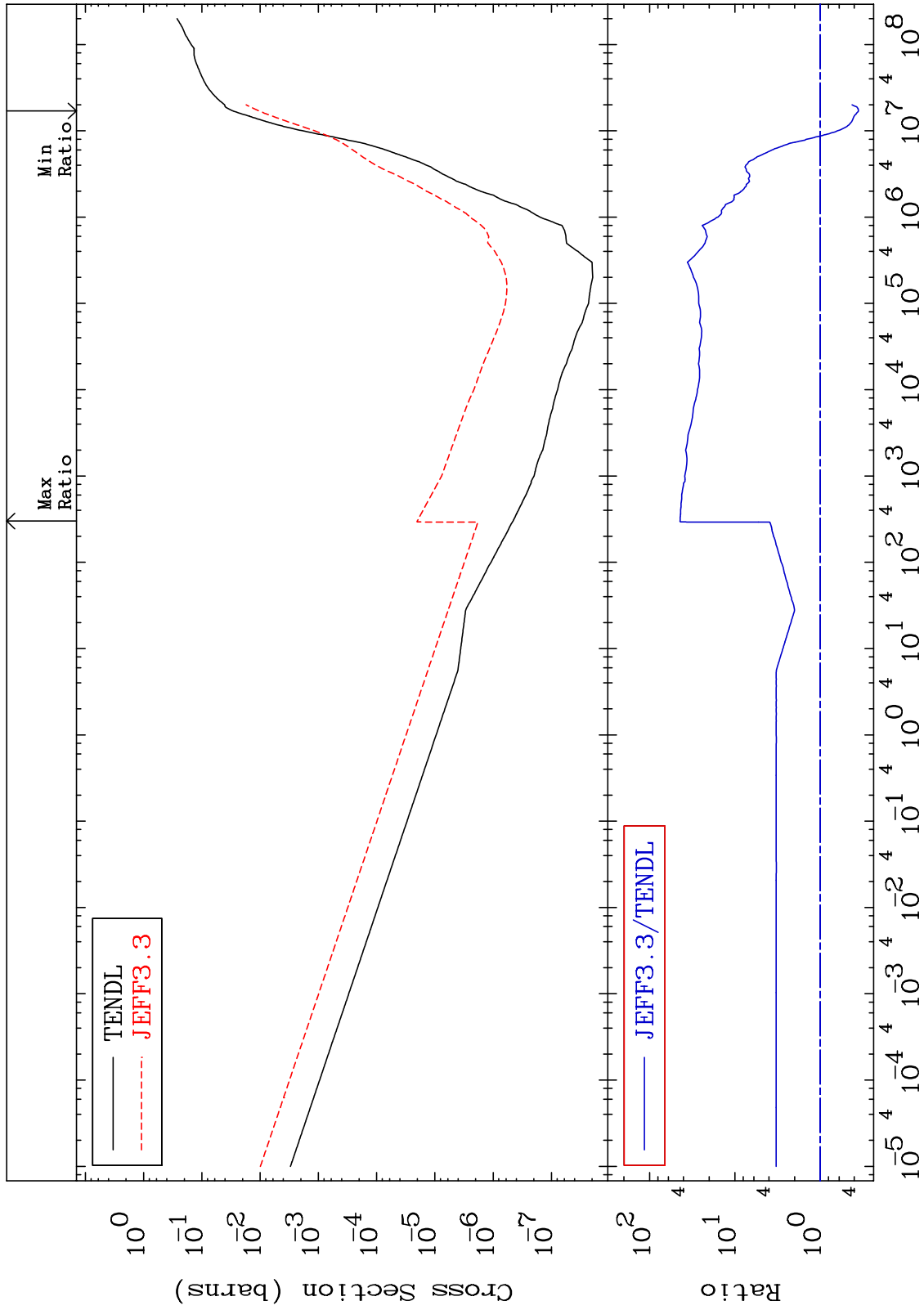
50-Sn-115
-100.0 To 9999. %



MAT 5034

He-4 Production
Cross Section

50-Sn-115
-64.25 To 4296. %



53

Incident Energy (eV)

50-Sn-115

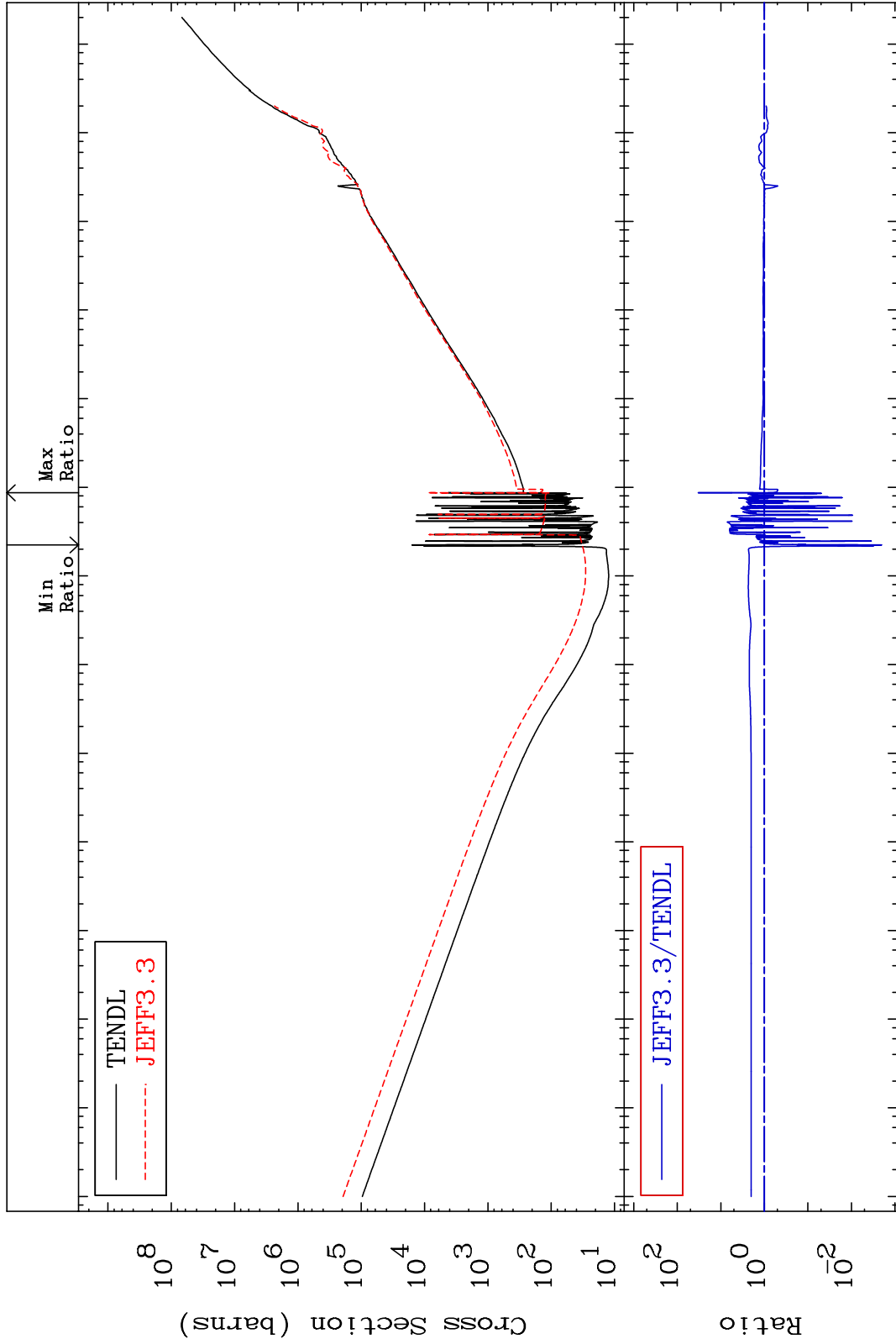
MAT 5034

Kerma total (eV-barns)

50-Sn-115

-99.80 To 3177. %

Cross Section



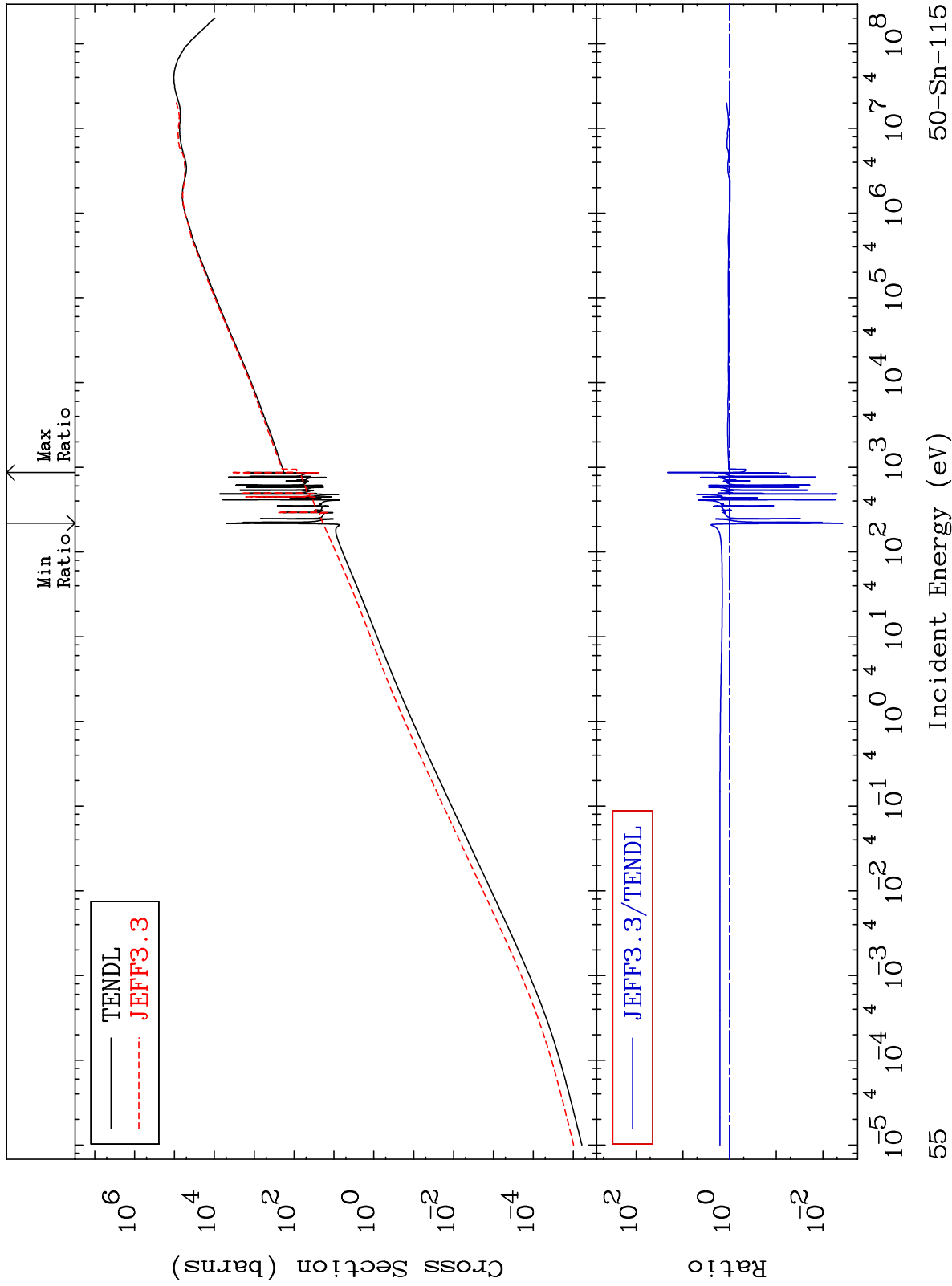
Incident Energy (eV)

50-Sn-115

MAT 5034

Kerma elastic
Cross Section

50-Sn-115
-99.62 To 2028. %



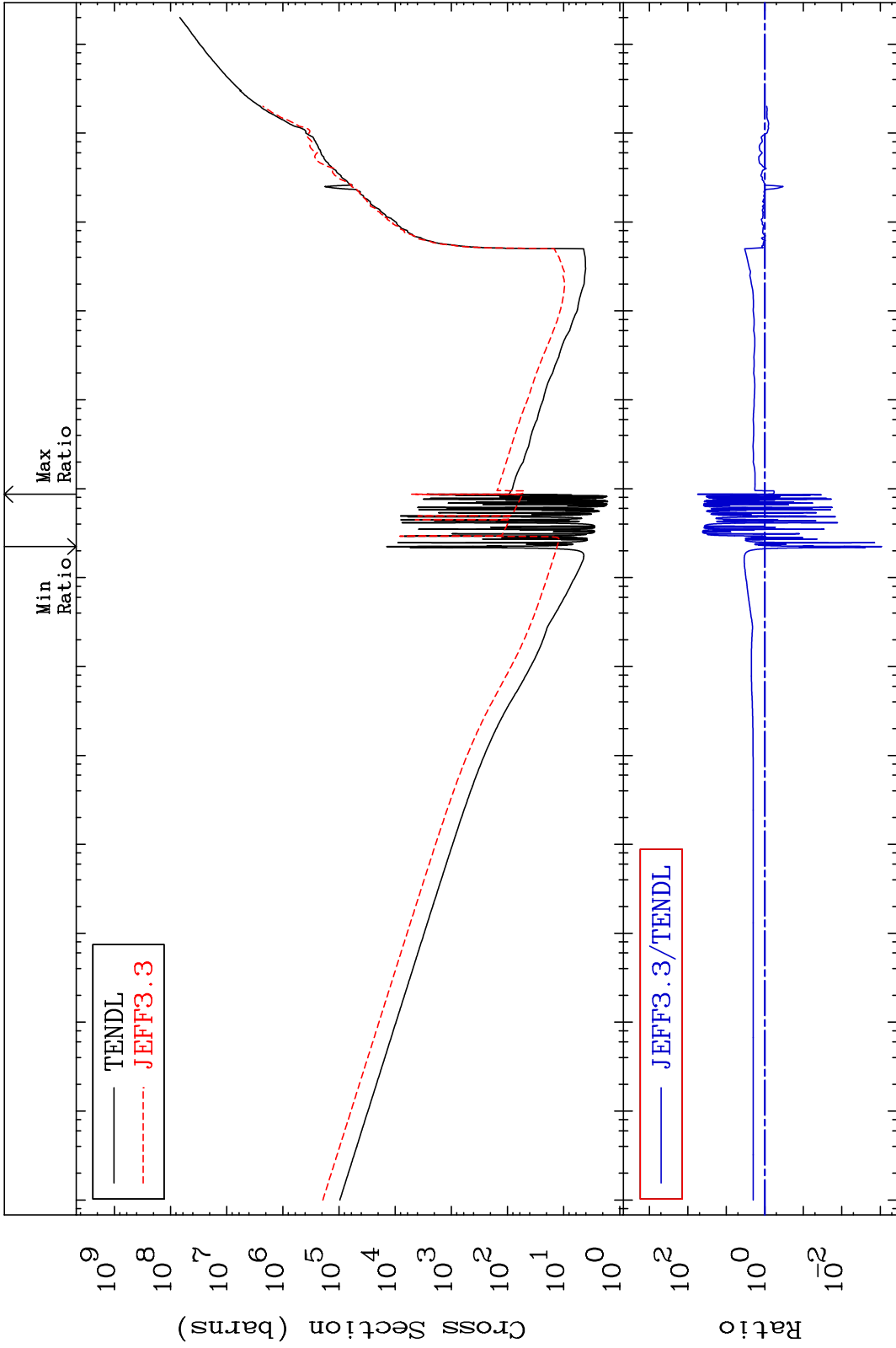
MAT 5034

Kerma non-elastic (all but mt2)

50-Sn-115

-99.91 To 5417. %

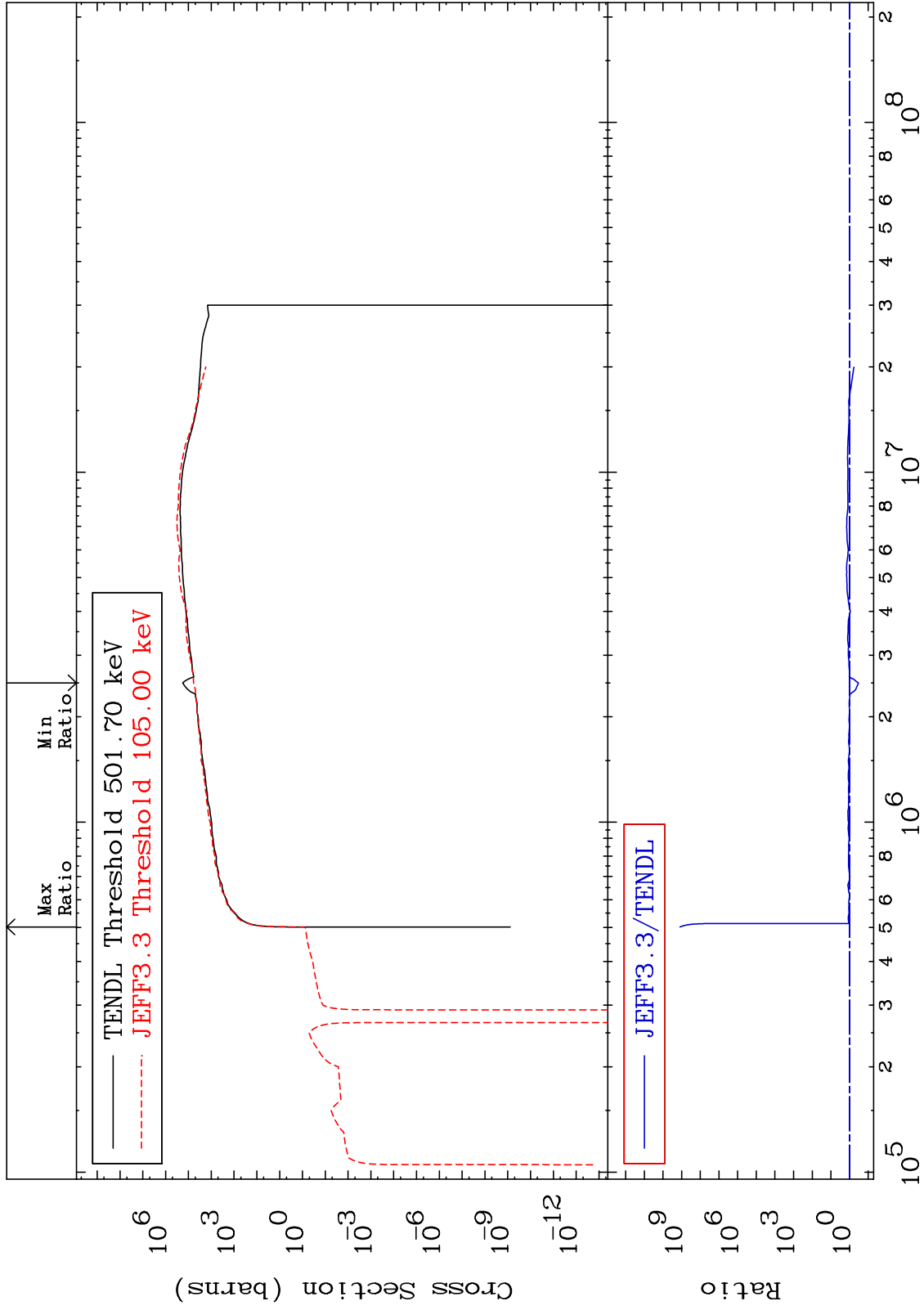
Cross Section



MAT 5034

Kerma inelastic (mt51-91)
Cross Section

50-Sn-115
-66.54 To 9999. %



57

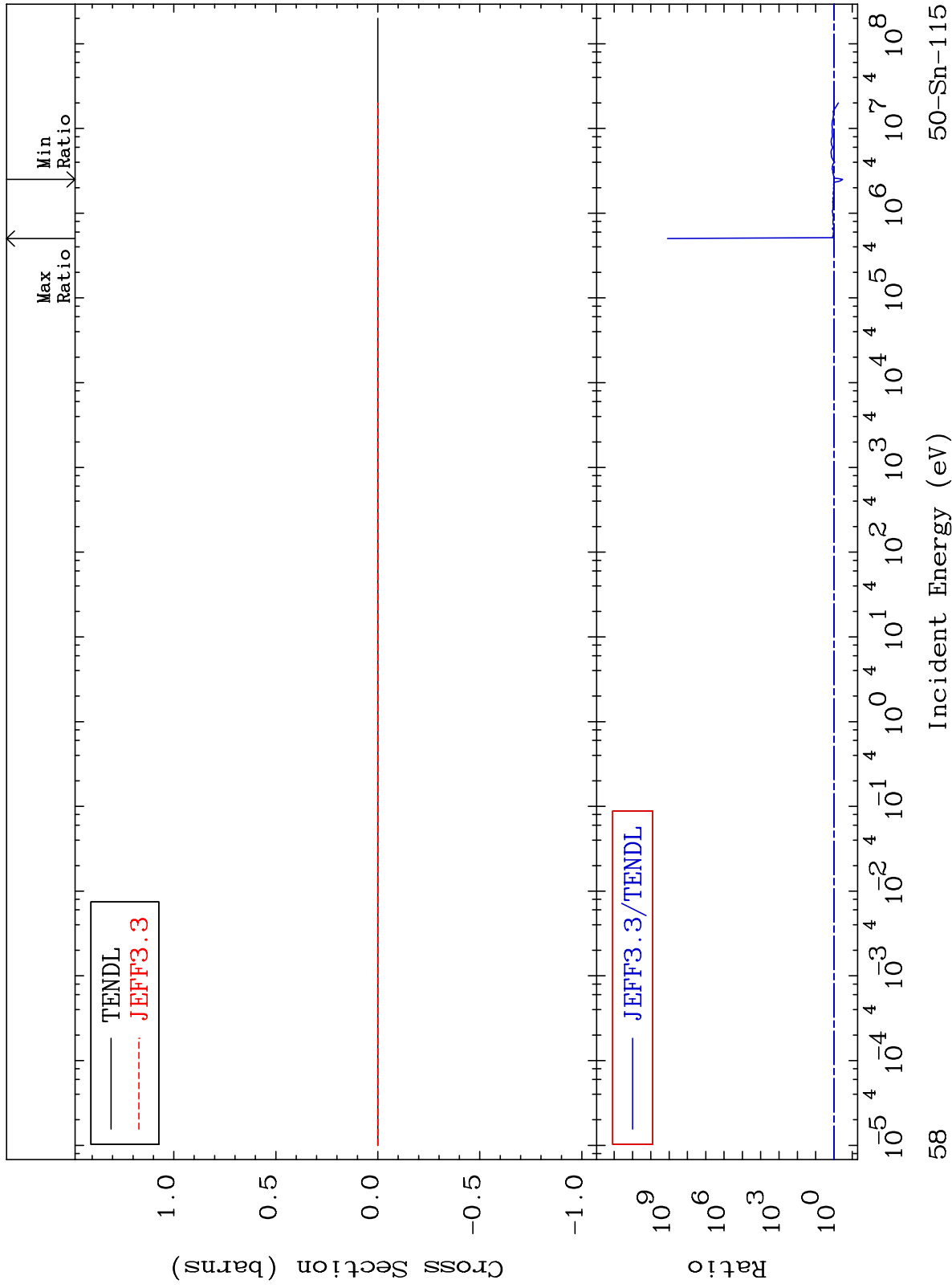
Incident Energy (eV)

50-Sn-115

MAT 5034

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

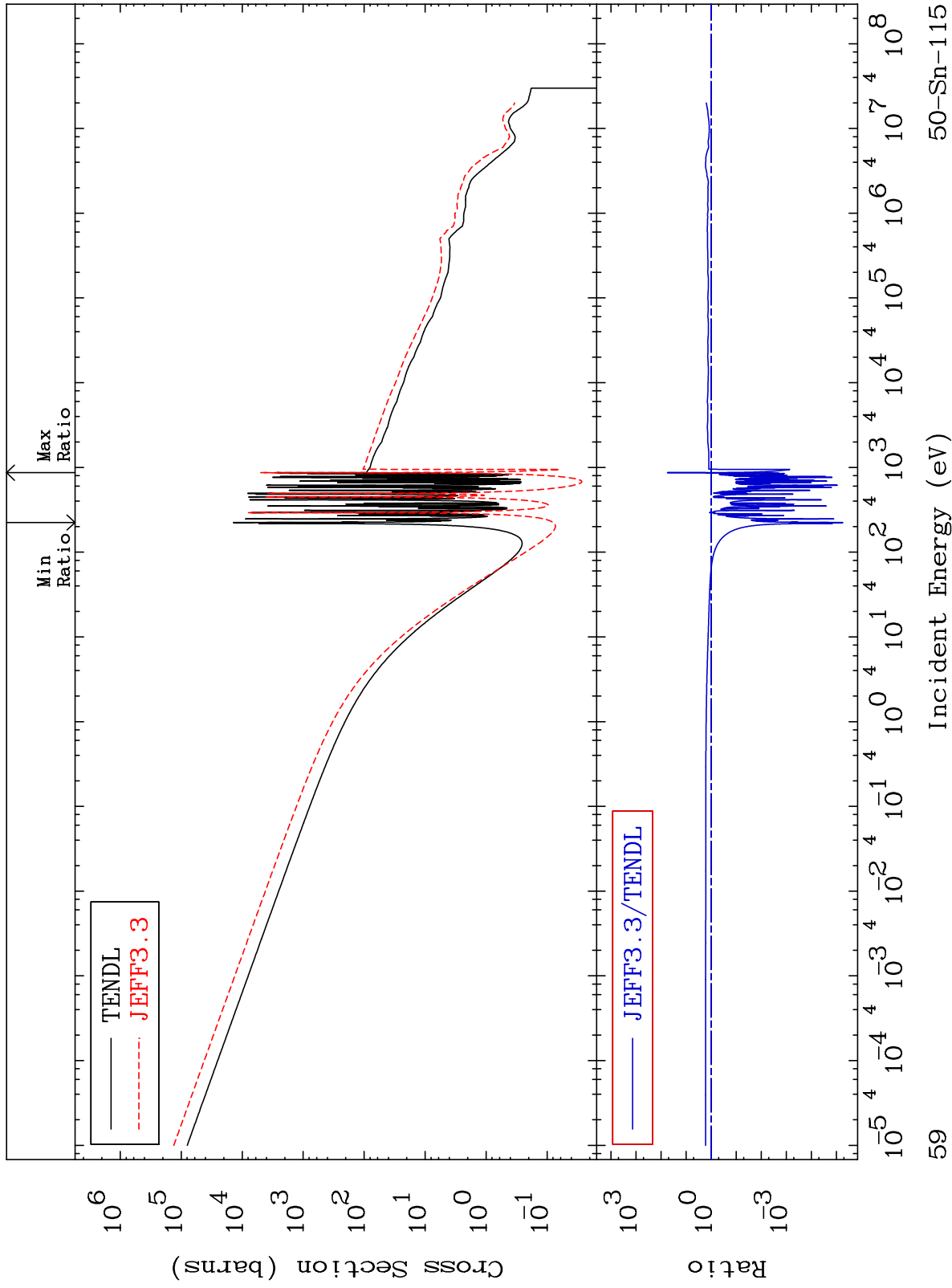
50-Sn-115
-66.54 To 9999. %



MAT 5034

Kerma capture (mt102)
Cross Section

50-Sn-115
-100.0 To 5433. %



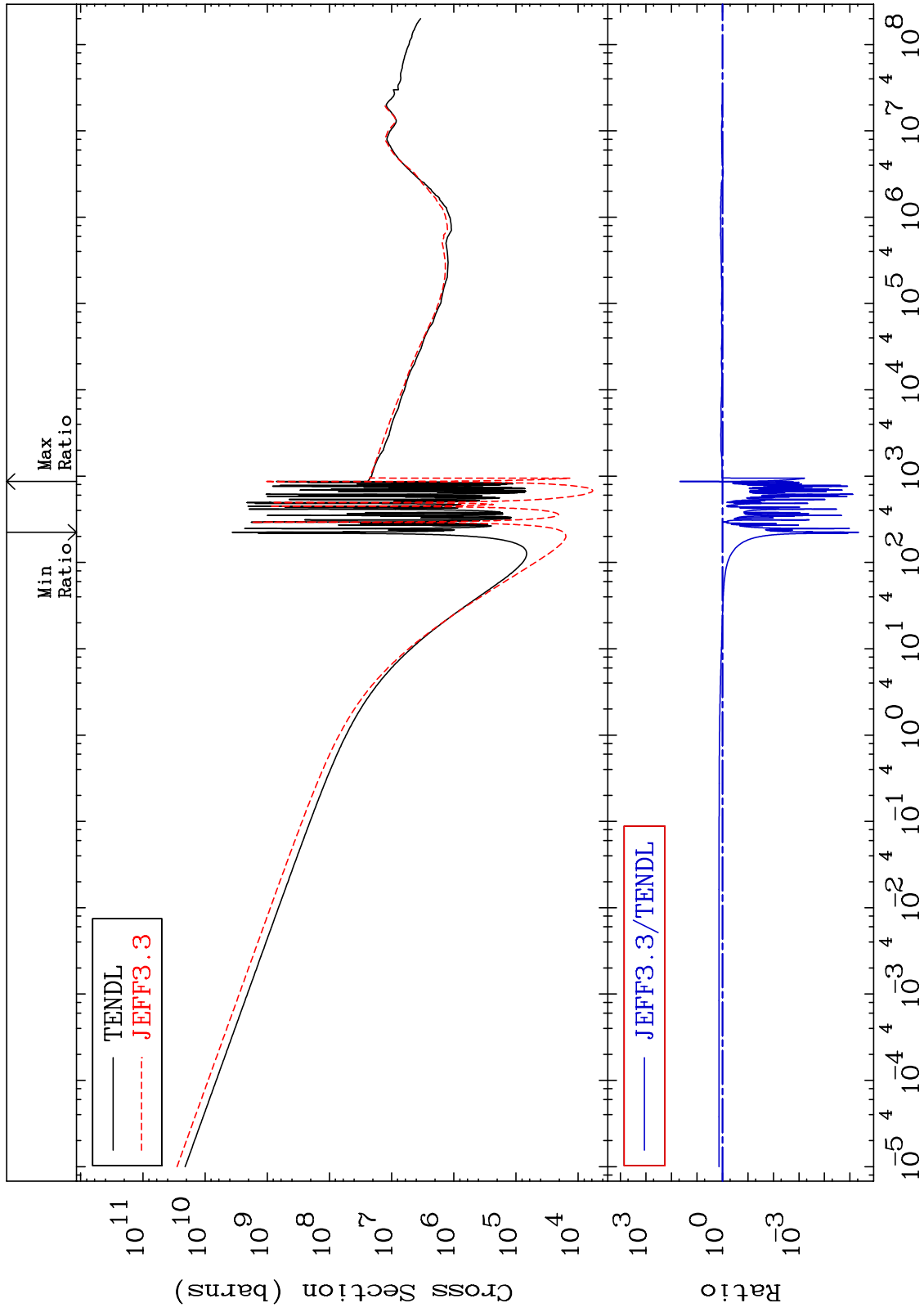
59

50-Sn-115

MAT 5034

Total photon (eV-barns)
Cross Section

50-Sn-115
-100.0 To 4475. %



60

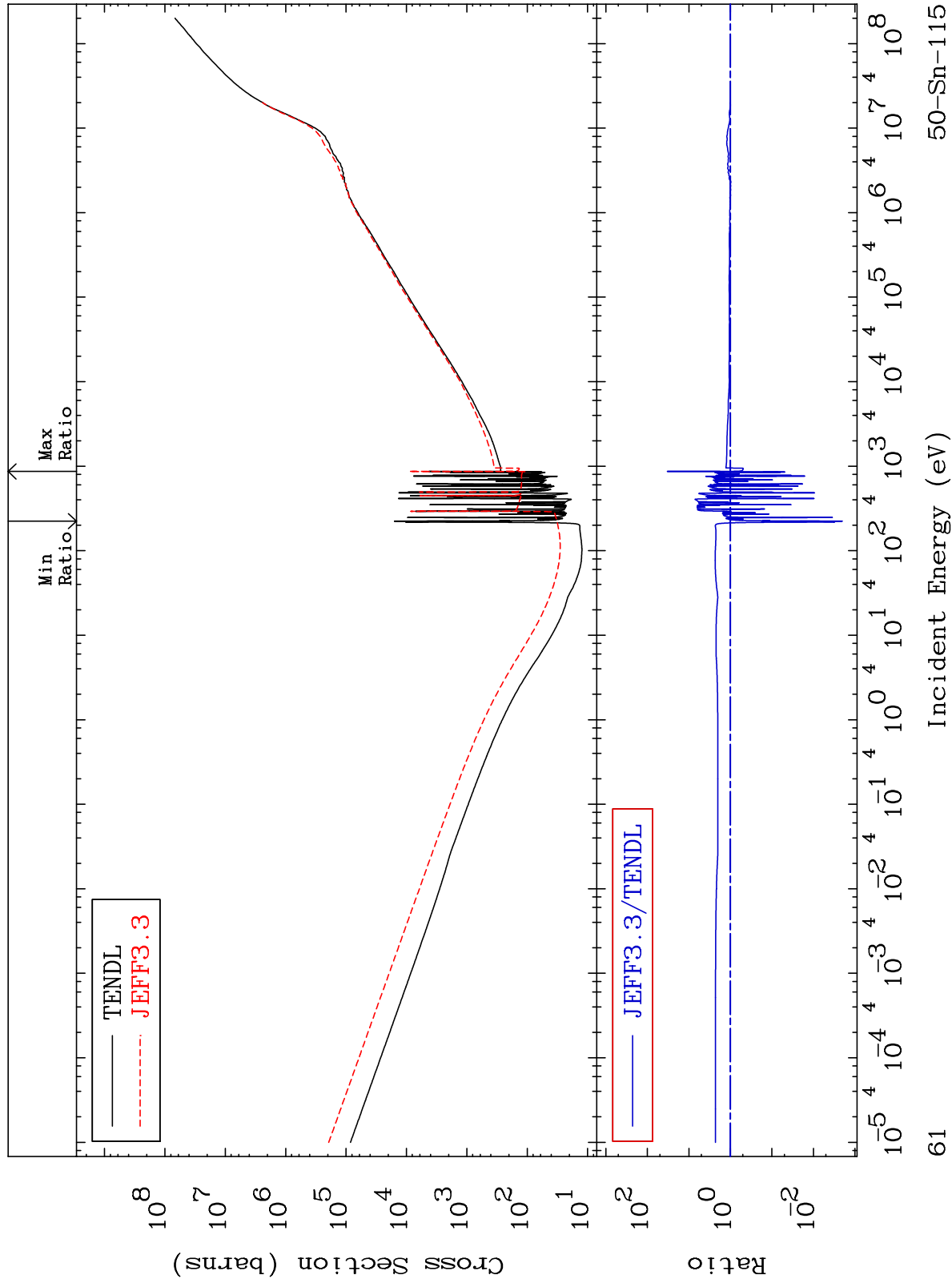
Incident Energy (eV)

50-Sn-115

MAT 5034

Total kinematic kerma (high limit)
Cross Section

50-Sn-115
-99.80 To 3177. %



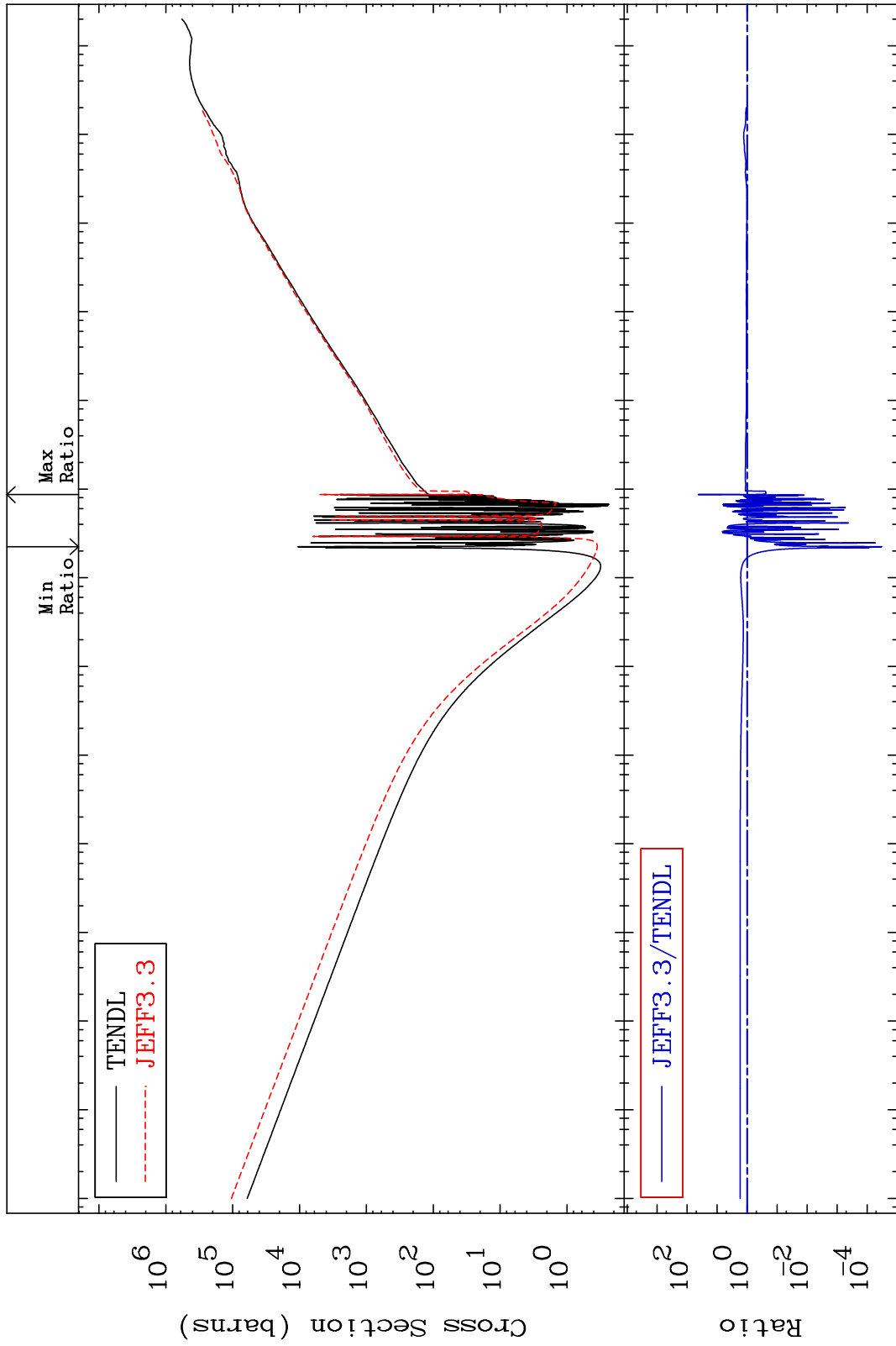
MAT 5034

Dpa total (eV-barns)

50-Sn-115

-100.0 To 4139. %

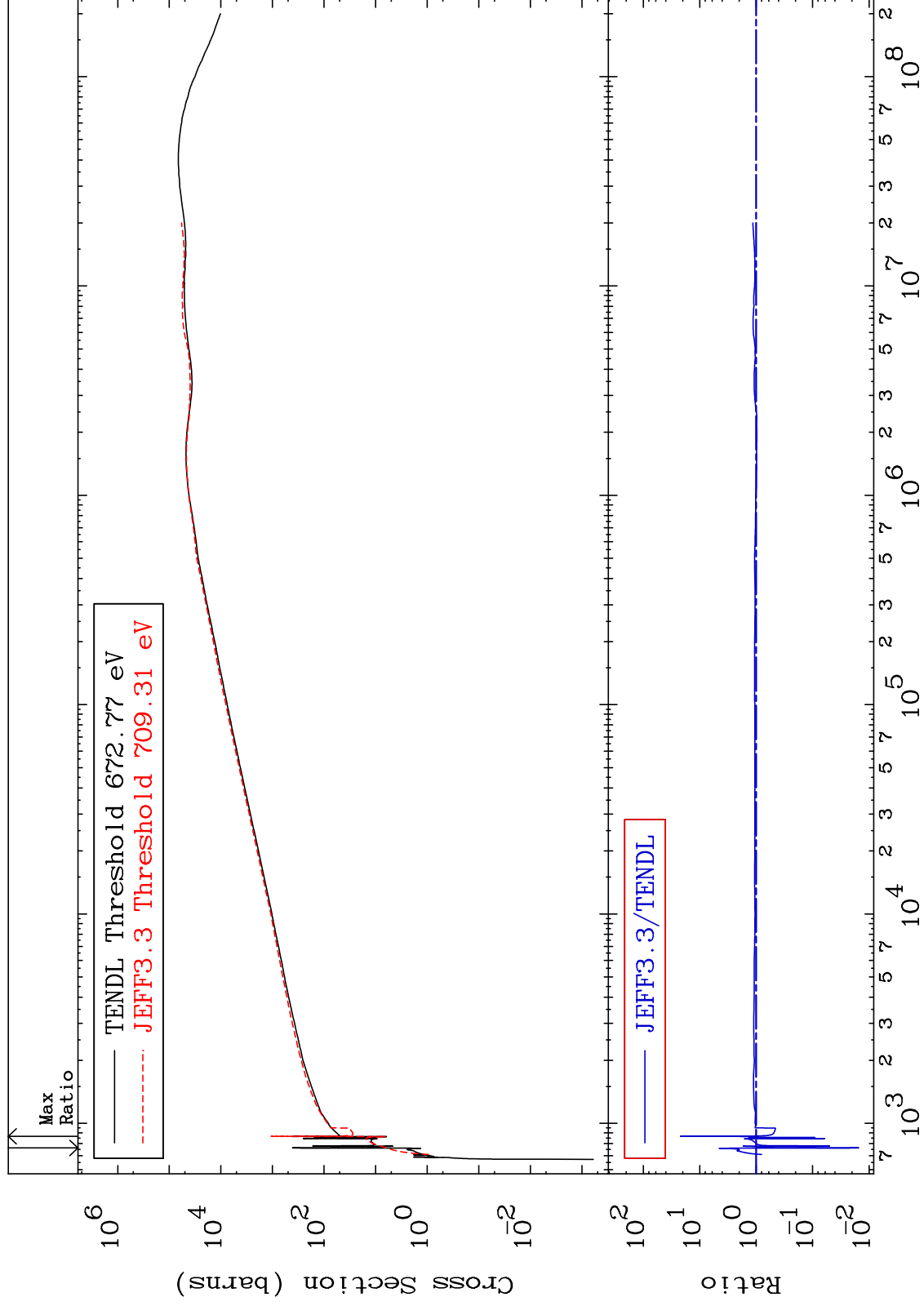
Cross Section



MAT 5034

Dpa elastic (mt2)
Cross Section

50-Sn-115
-98.46 To 2094. %



63

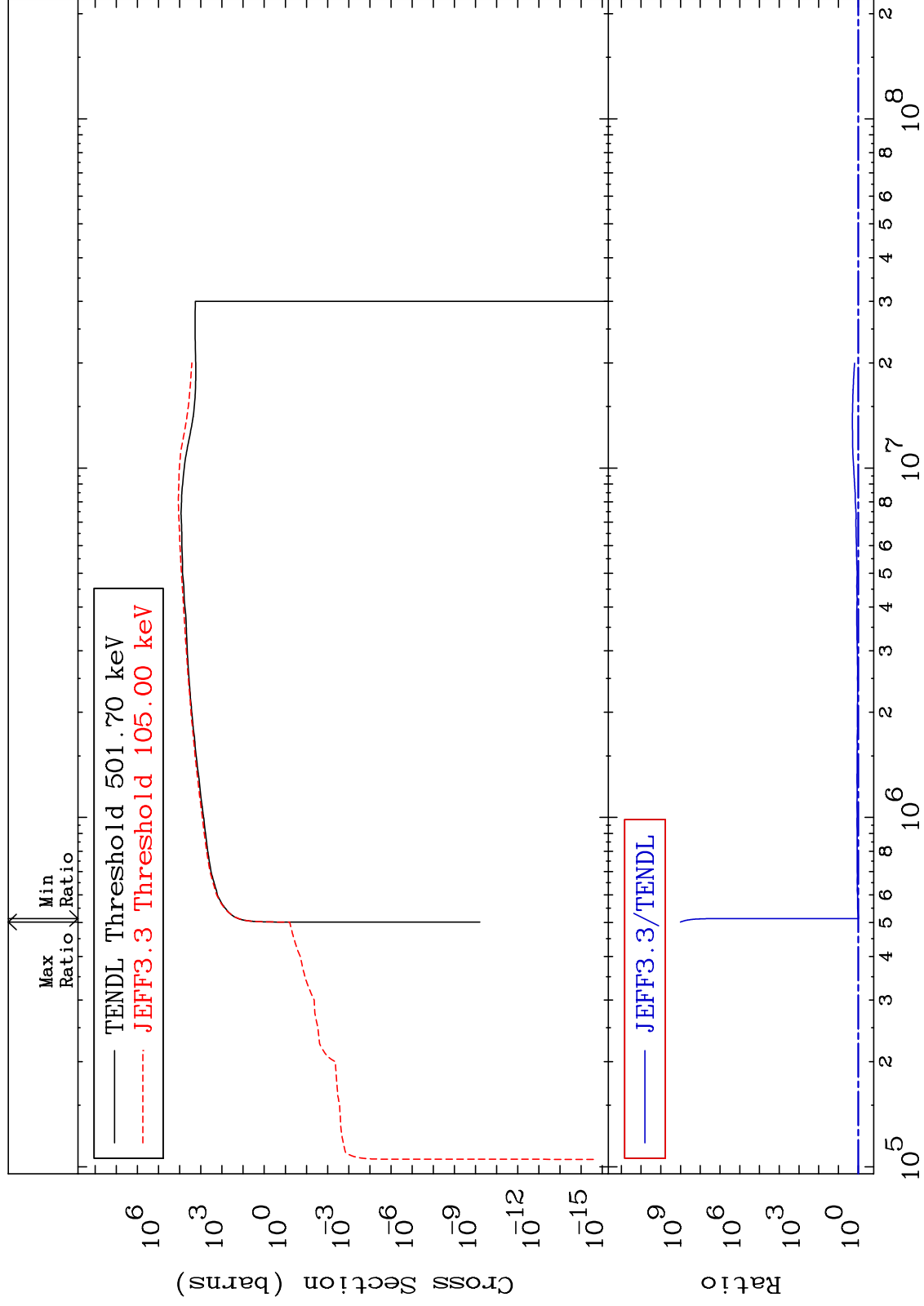
Incident Energy (eV)

50-Sn-115

MAT 5034

Dpa inelastic (mt51-91)
Cross Section

50-Sn-115
-3.902 To 9999. %



64

Incident Energy (eV)

50-Sn-115

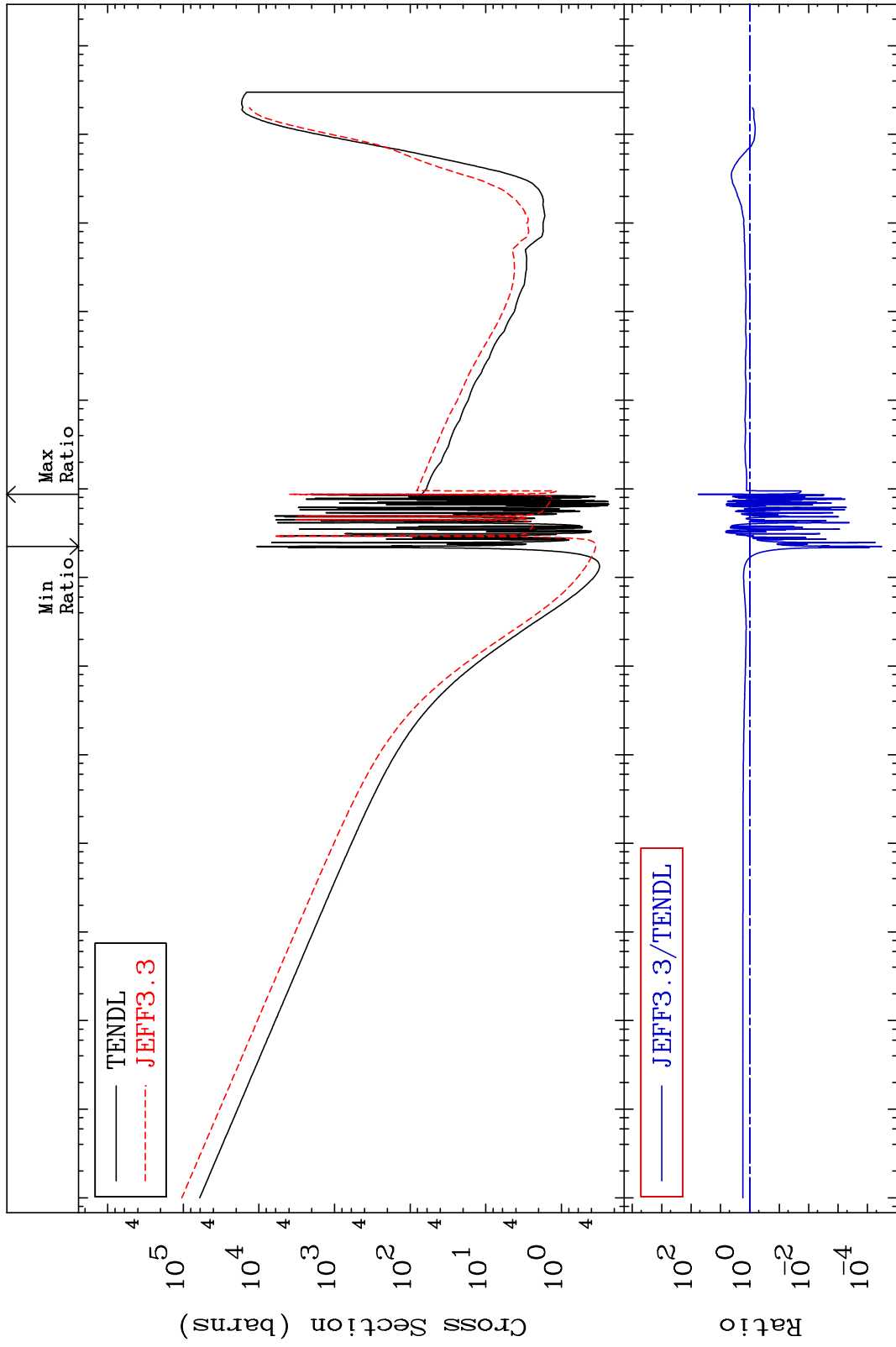
MAT 5034

Dpa disappearance (mt102 -120)

50-Sn-115

-100.0 To 5557. %

Cross Section



Incident Energy (eV)

65

50-Sn-115