

Program Complot
(Version 2018-1)

by

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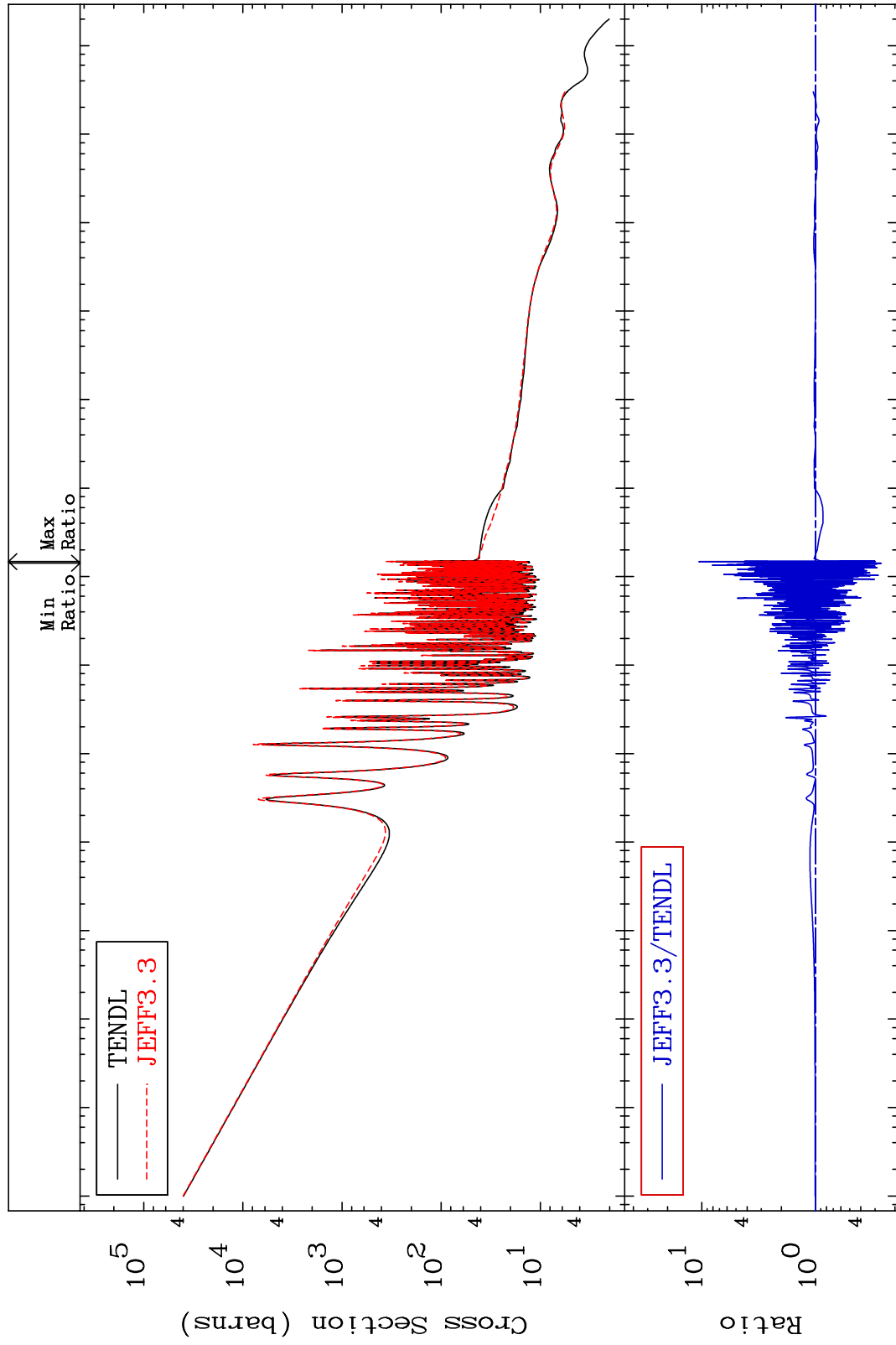
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9543

Total
Cross Section

95-Am-241
-73.74 To 965.7 %



95-Am-241

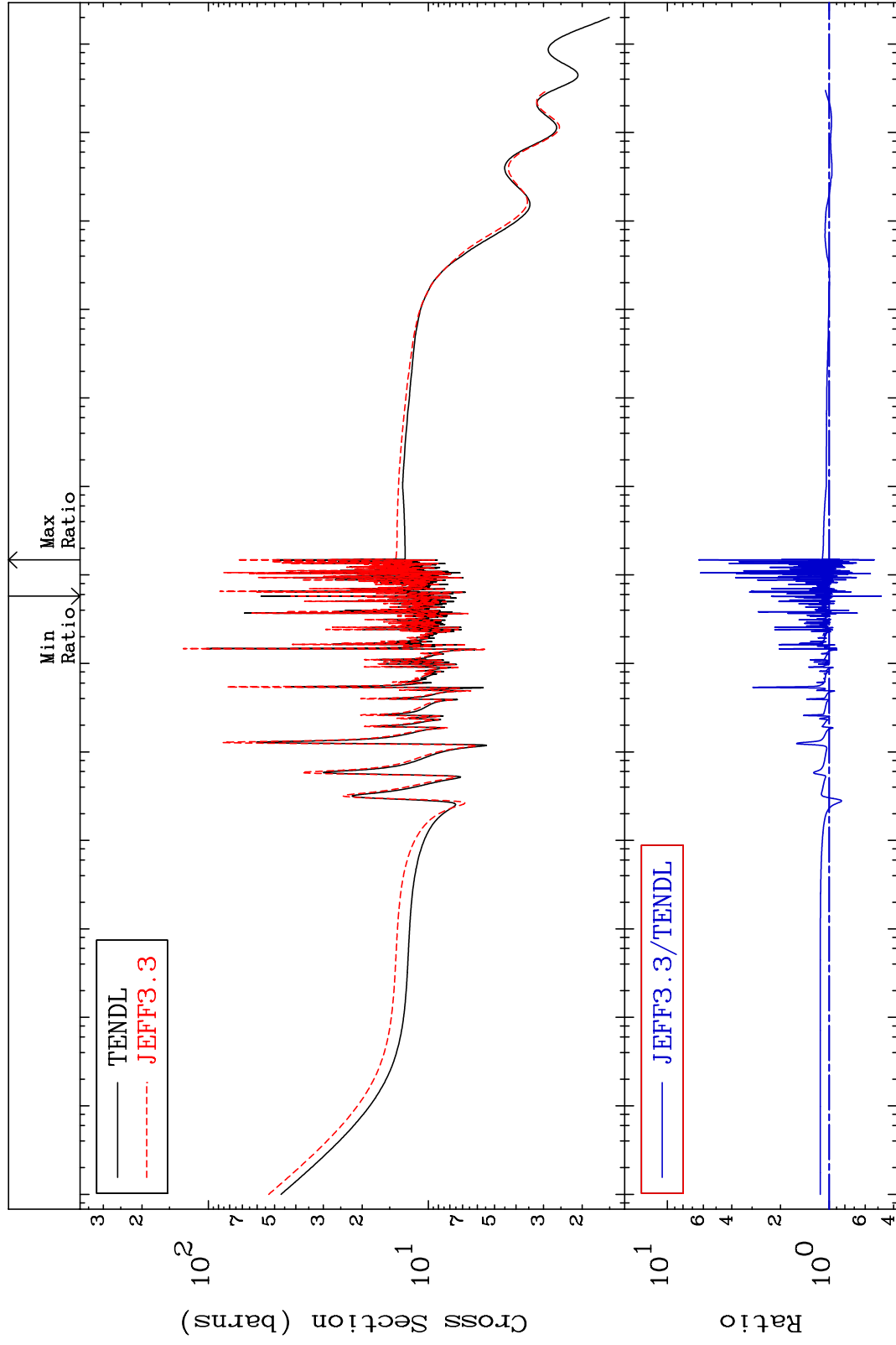
Incident Energy (eV)

1

MAT 9543

Elastic
Cross Section

95-Am-241
-52.51 To 540.3 %



2

Incident Energy (eV)

95-Am-241

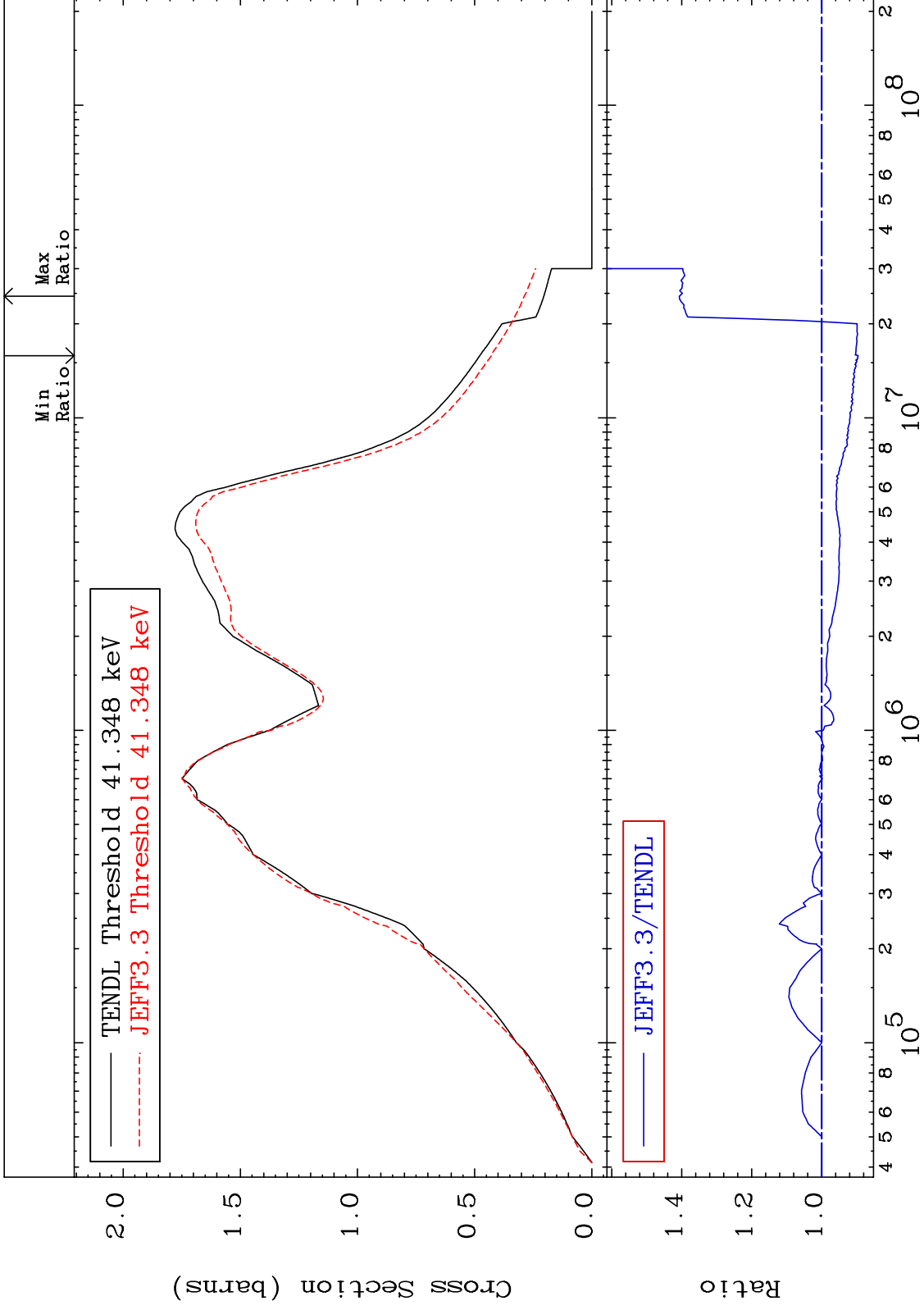
MAT 9543

Inelastic

95-Am-241

Cross Section

-10.42 To 40.67 %



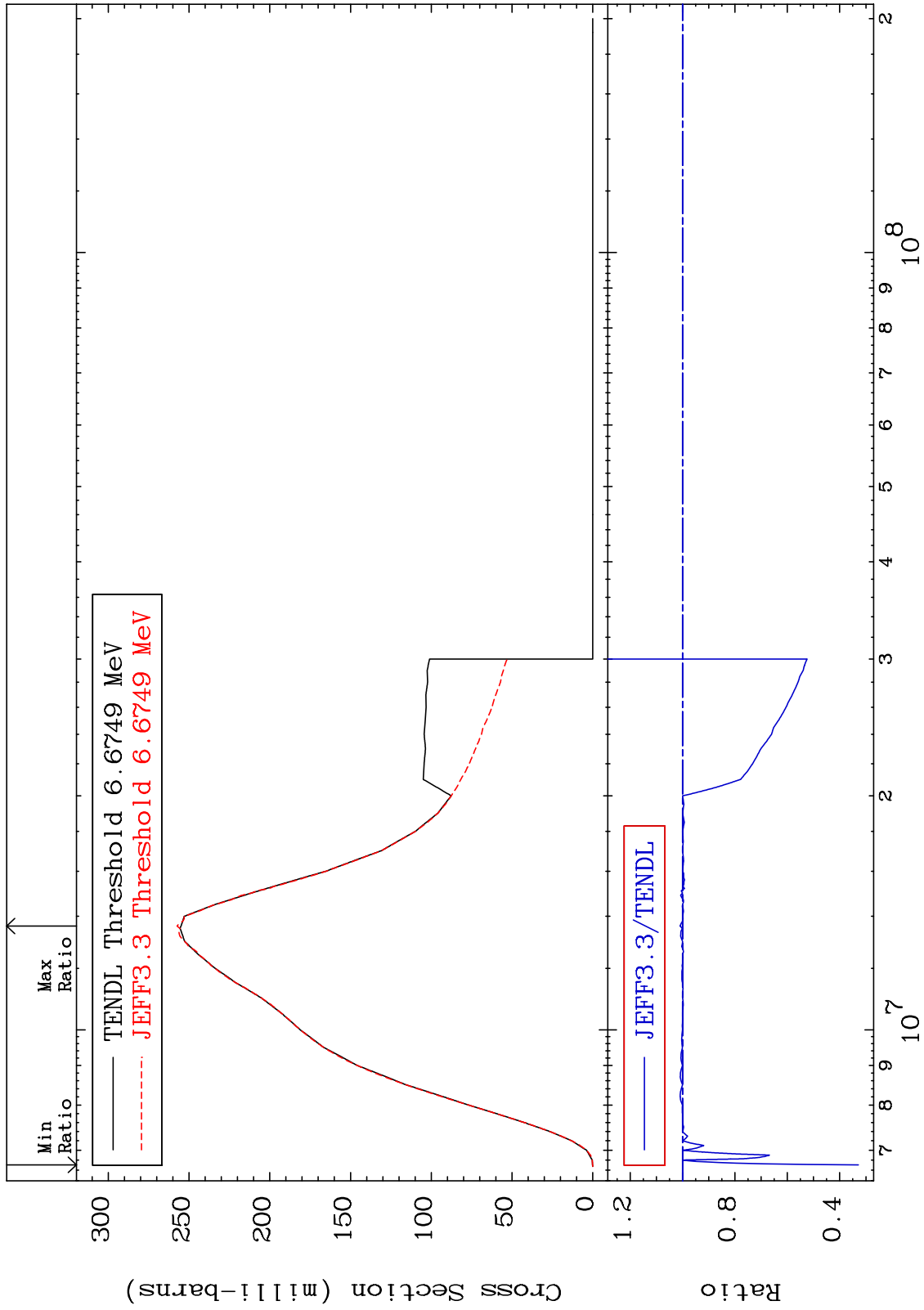
MAT 9543

(n, 2n)

95-Am-241

Cross Section

-67.14 To 0.961 %



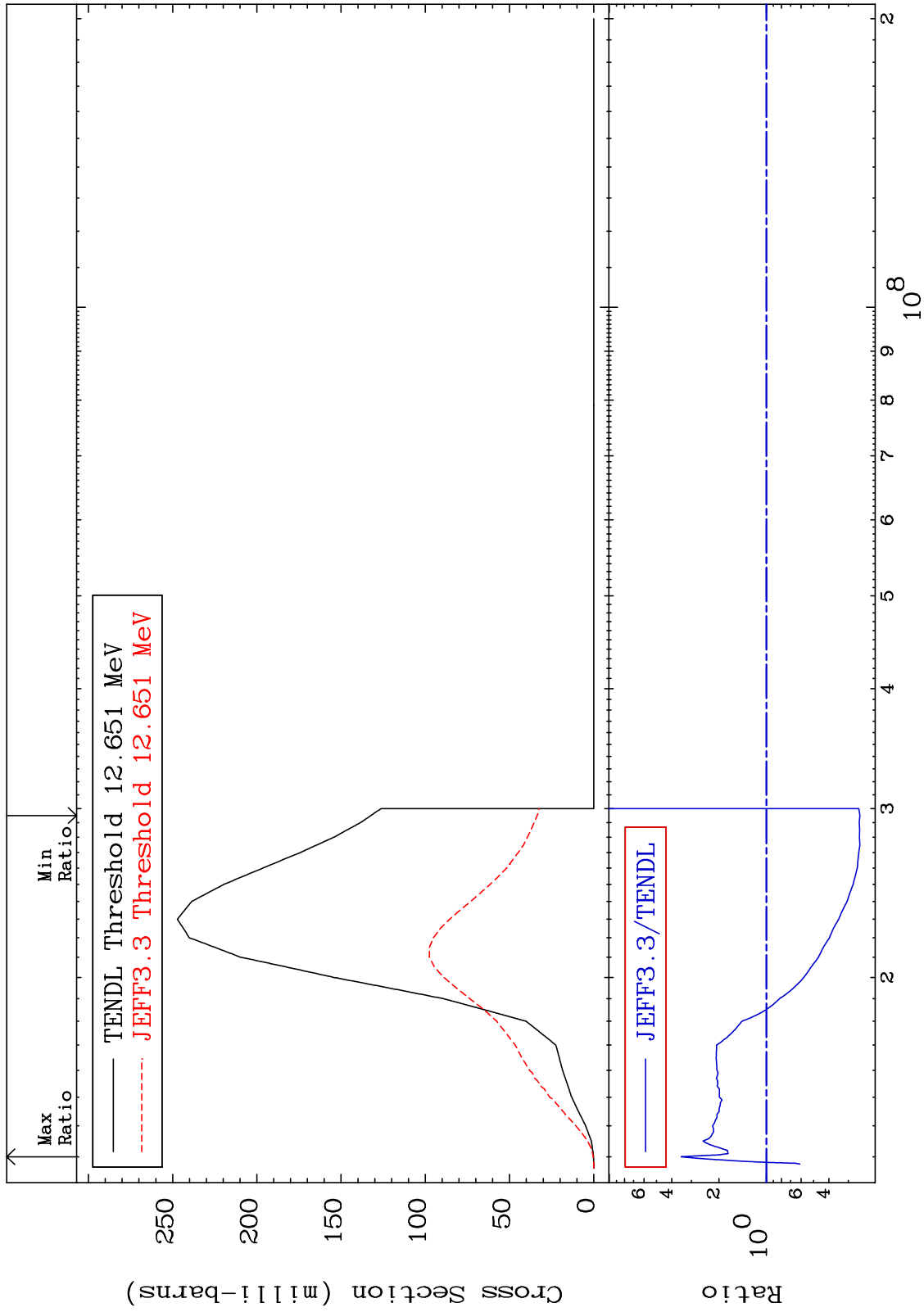
MAT 9543

(n, 3n)

95-Am-241

Cross Section

-74.67 To 248.1 %



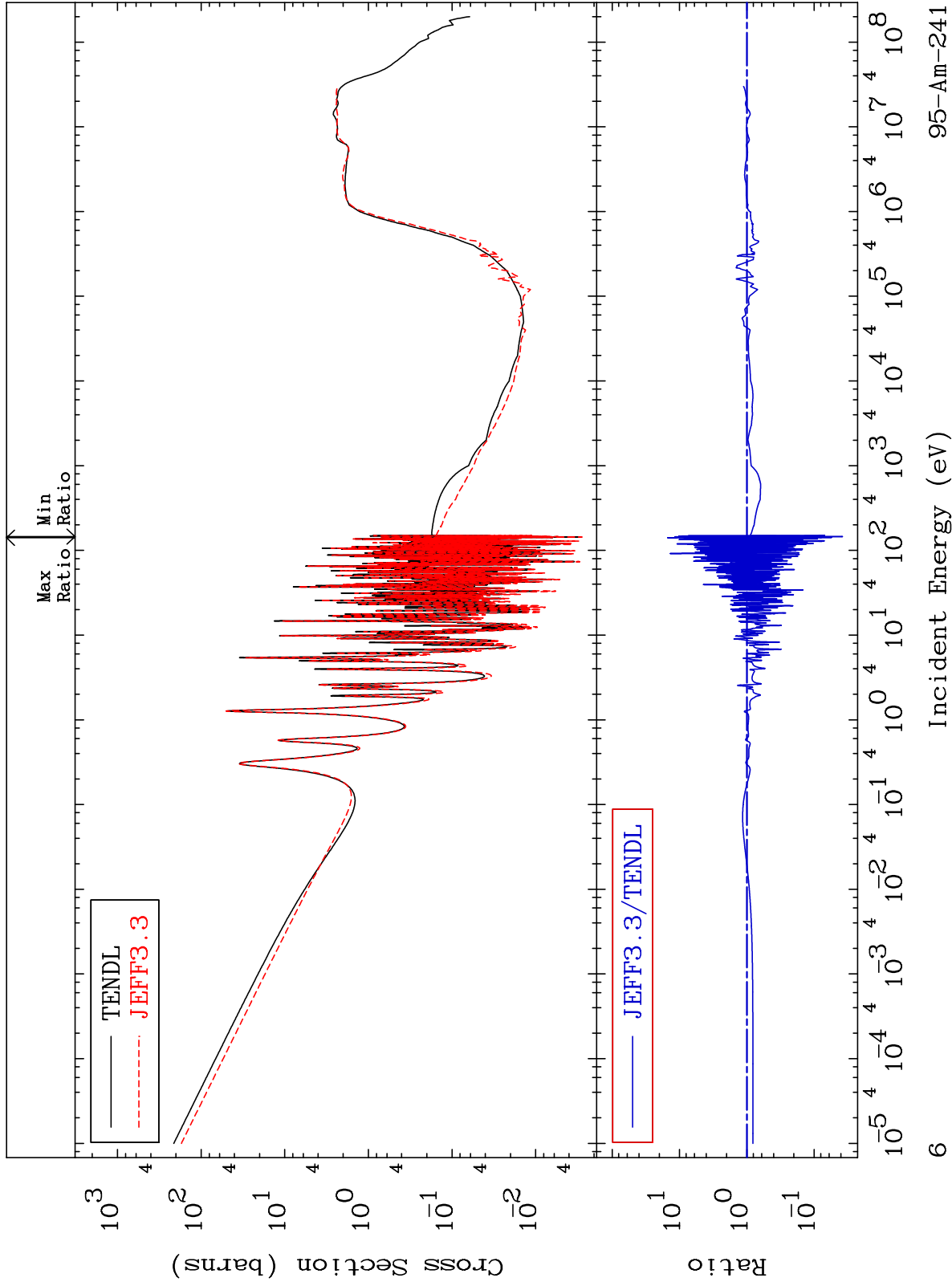
Incident Energy (eV)

95-Am-241

5

MAT 9543

Fission Cross Section
95-Am-241
-96.23 To 1407. %



95-Am-241

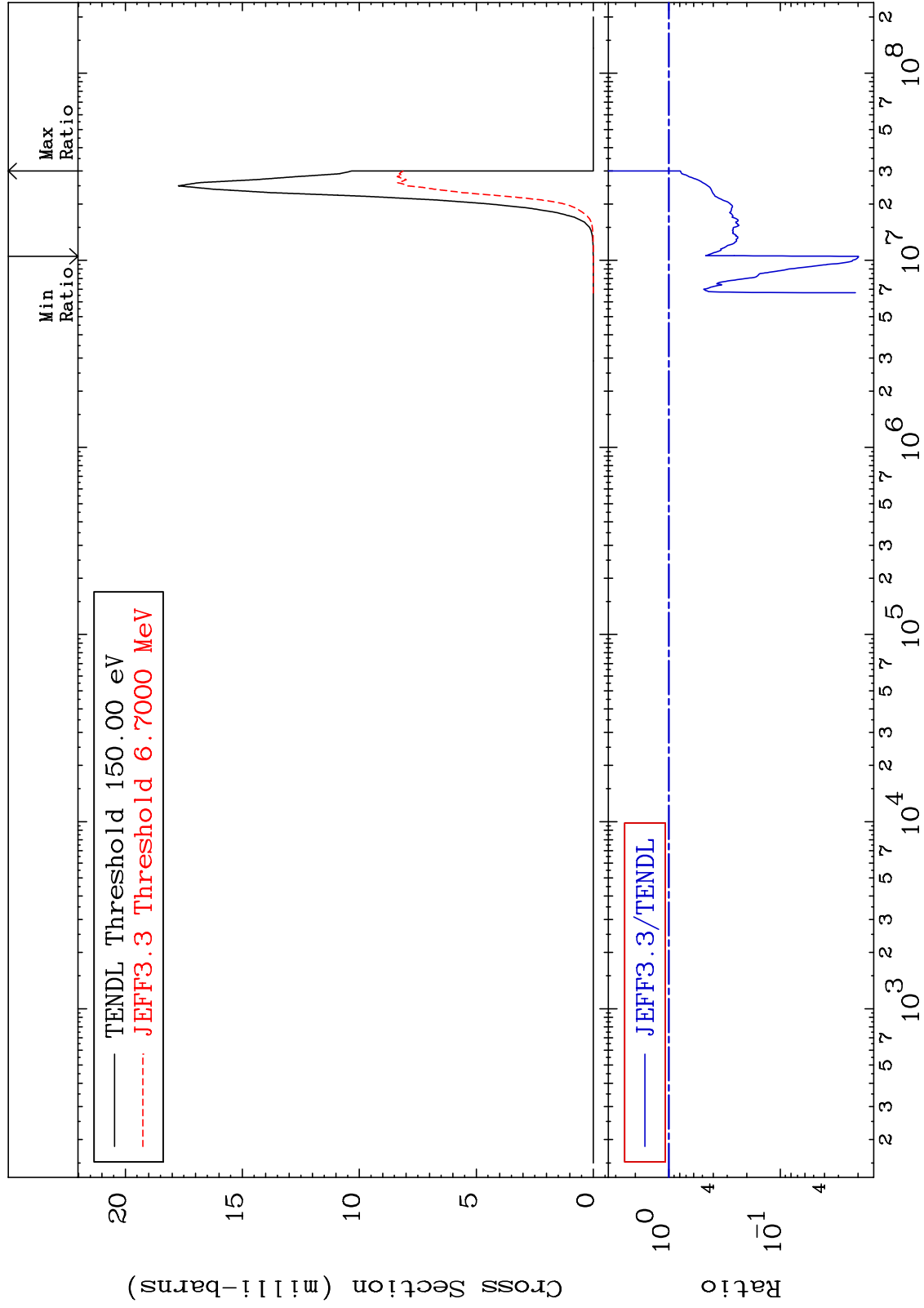
MAT 9543

(n, n') α

Cross Section

95-Am-241

-98.02 To -21.27%



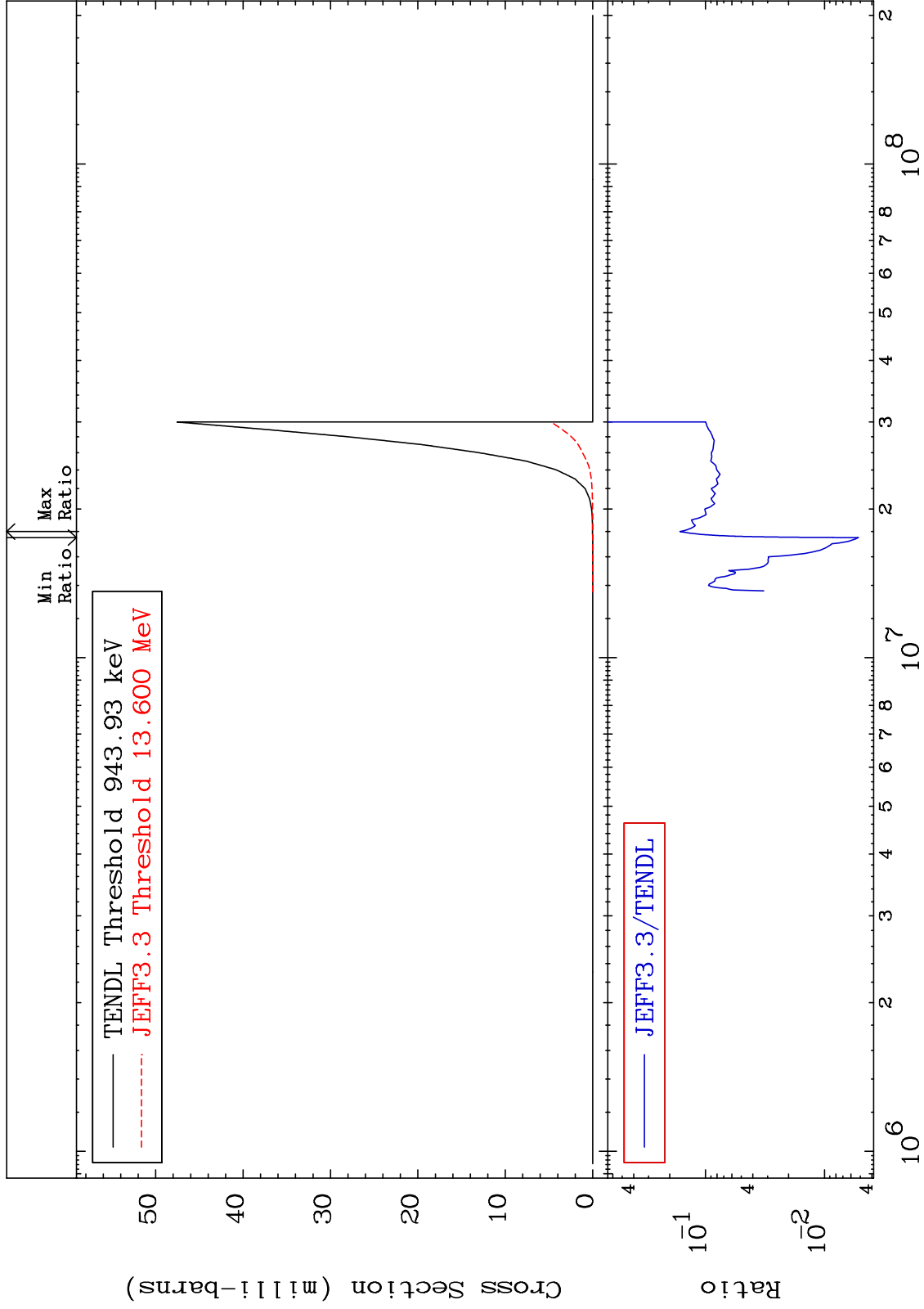
MAT 9543

(n,2n) α

95-Am-241

Cross Section

-99.48 To -83.65%



95-Am-241

8

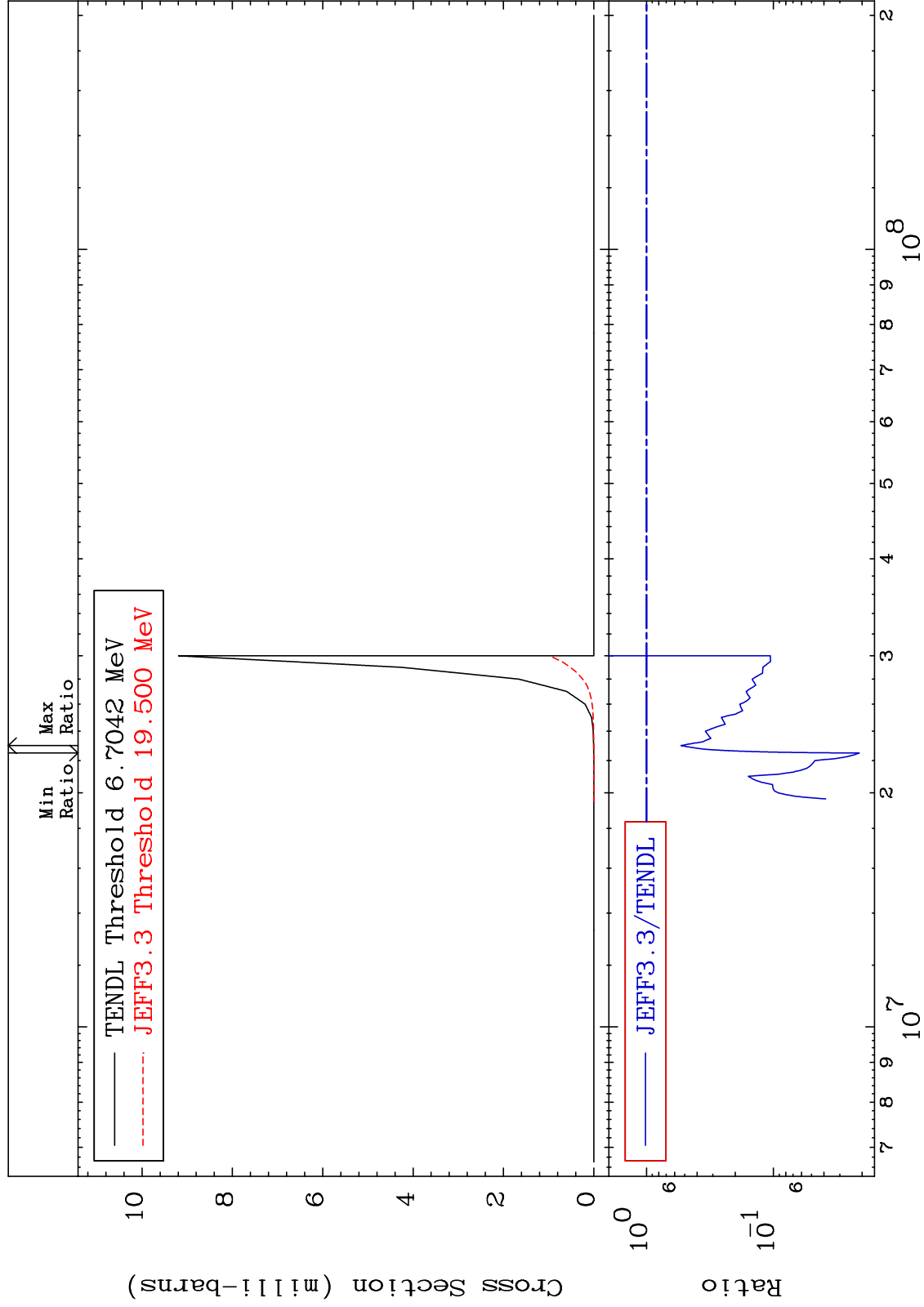
MAT 9543

(n,3n) α

95-Am-241

Cross Section

-97.89 To -46.56%



9

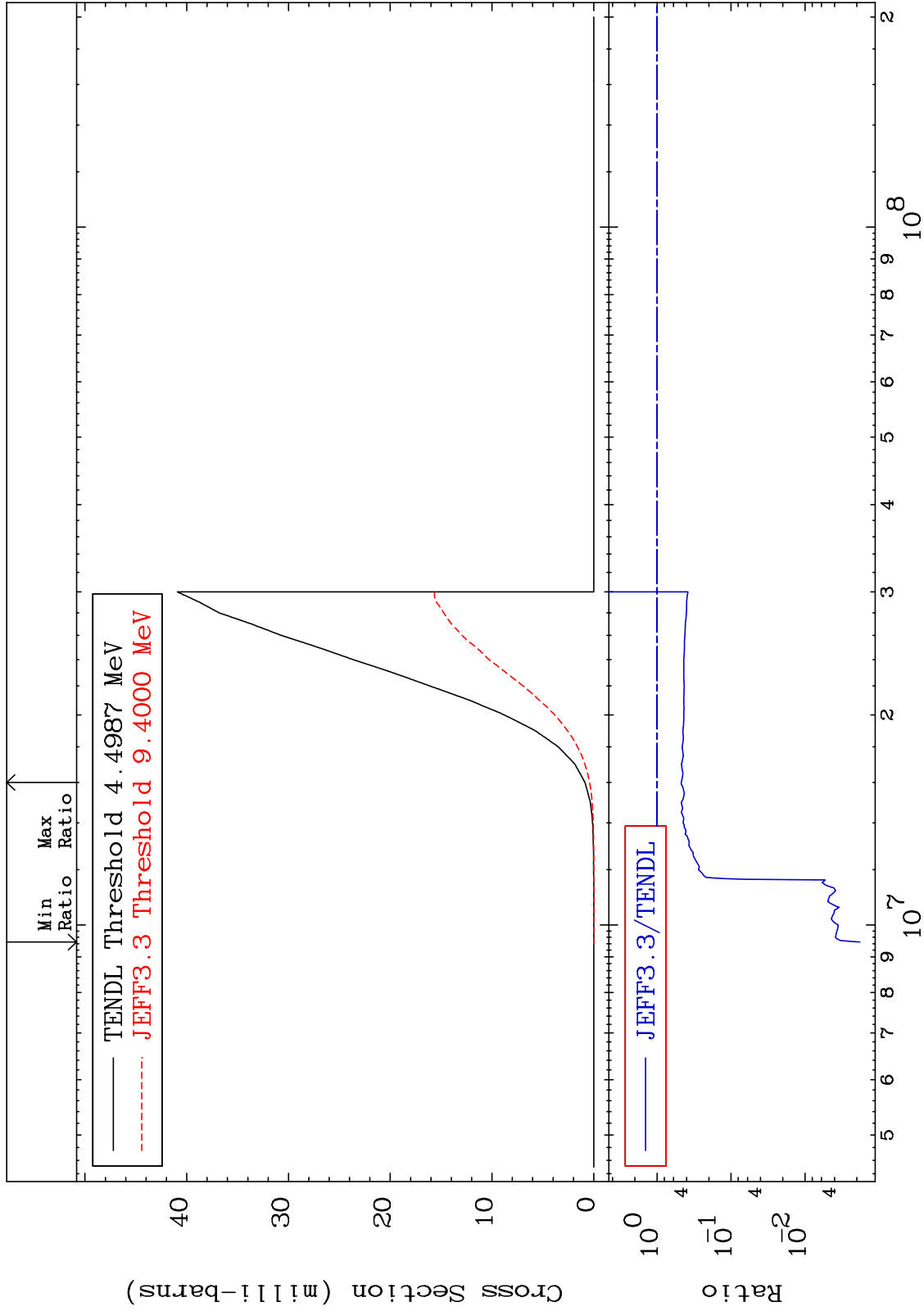
Incident Energy (eV)

95-Am-241

MAT 9543

(n,n') p
Cross Section

95-Am-241
-99.82 To -52.84%



10

Incident Energy (eV)

95-Am-241

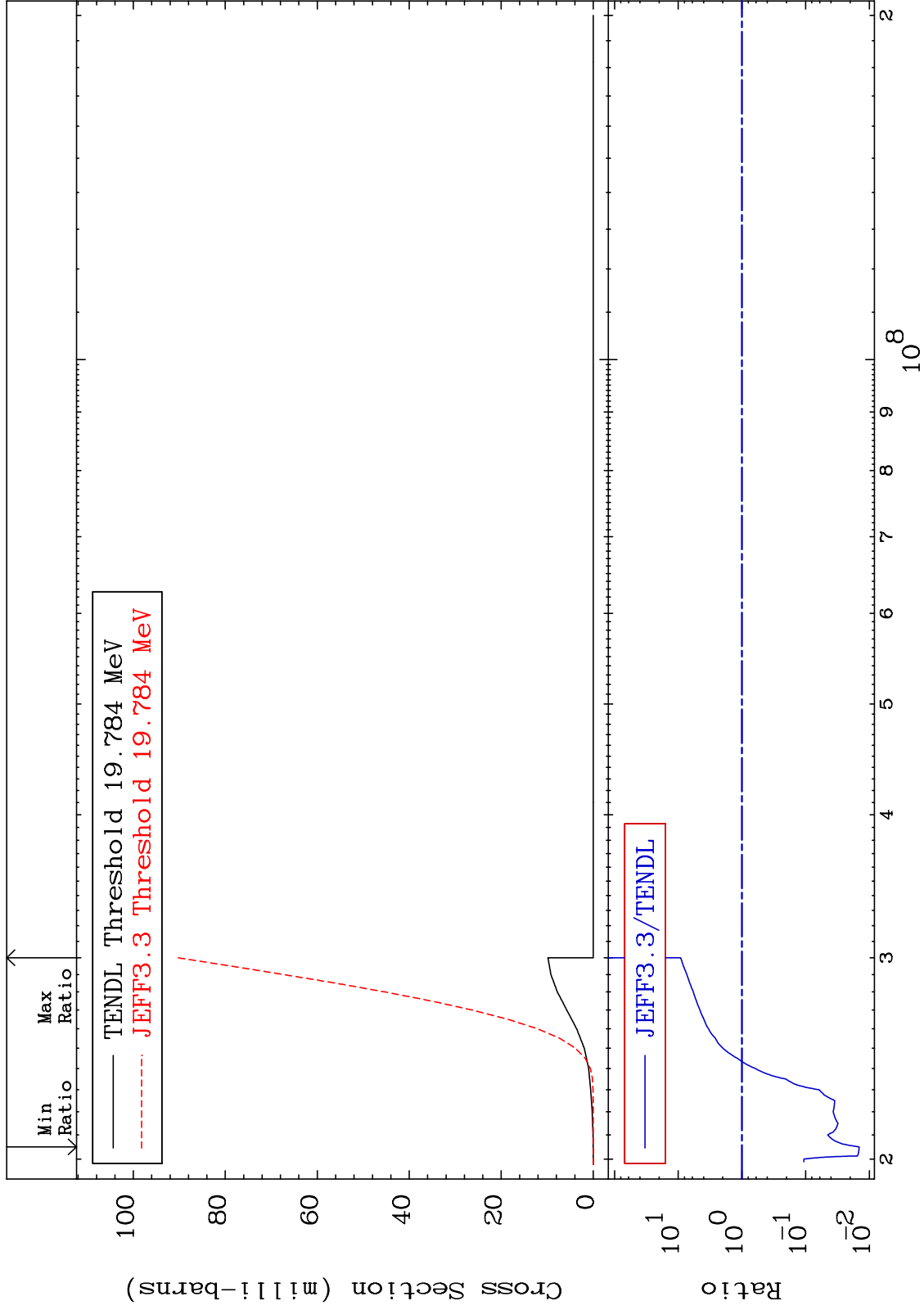
MAT 9543

(n, 4n)

95-Am-241

Cross Section

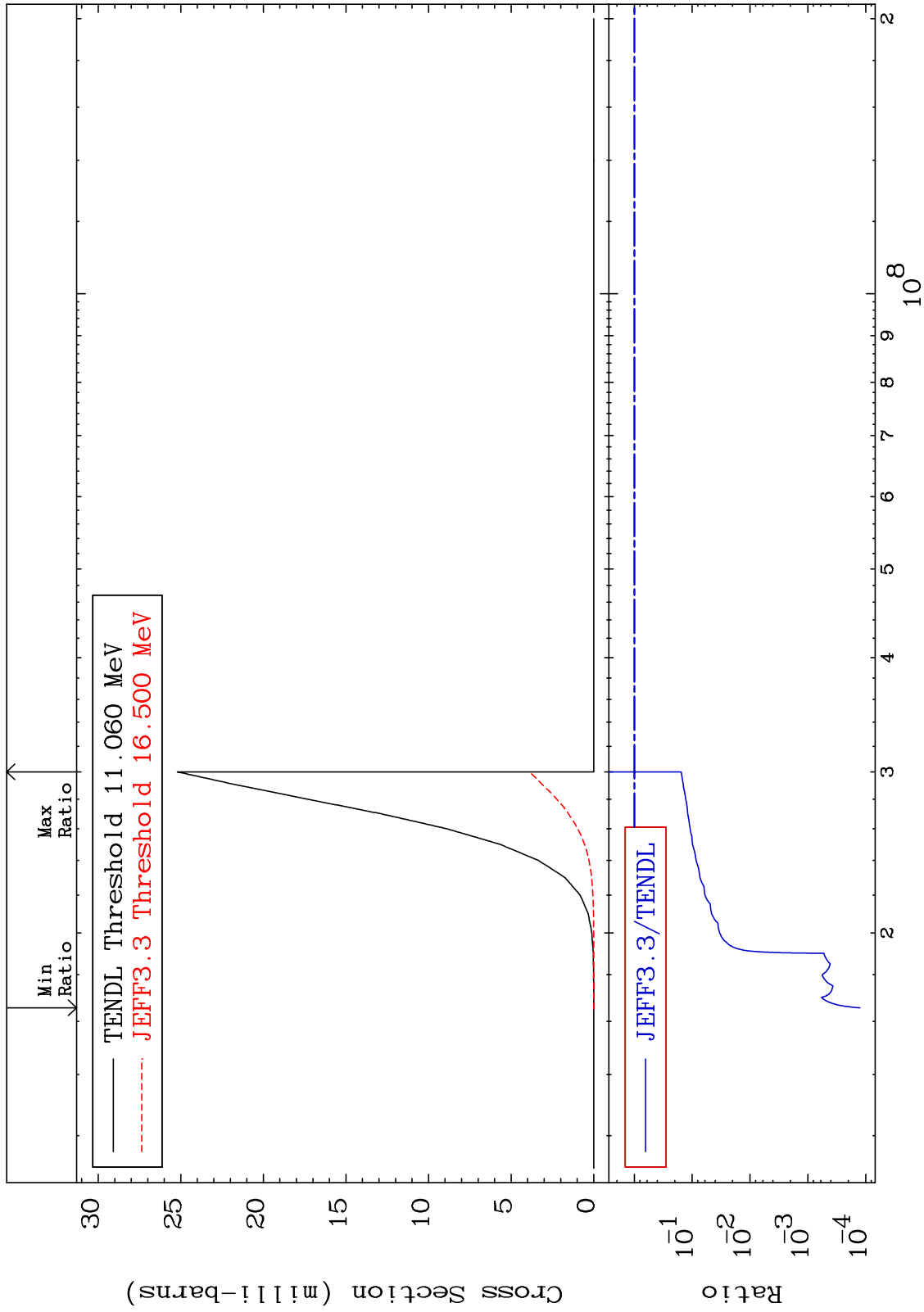
-98.56 To 818.1 %



MAT 9543

(n,2n) p
Cross Section

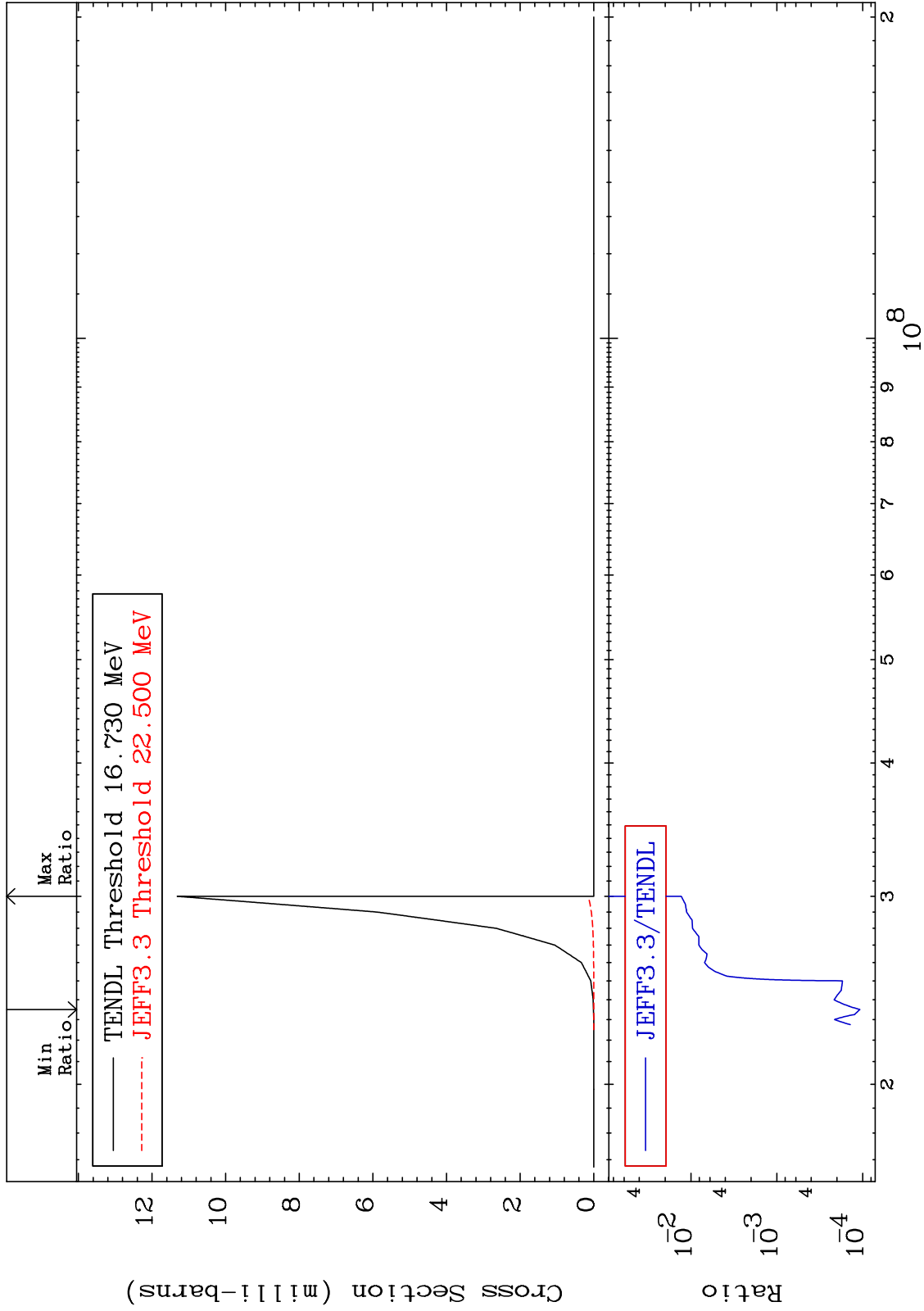
95-Am-241
-99.99 To -84.55%

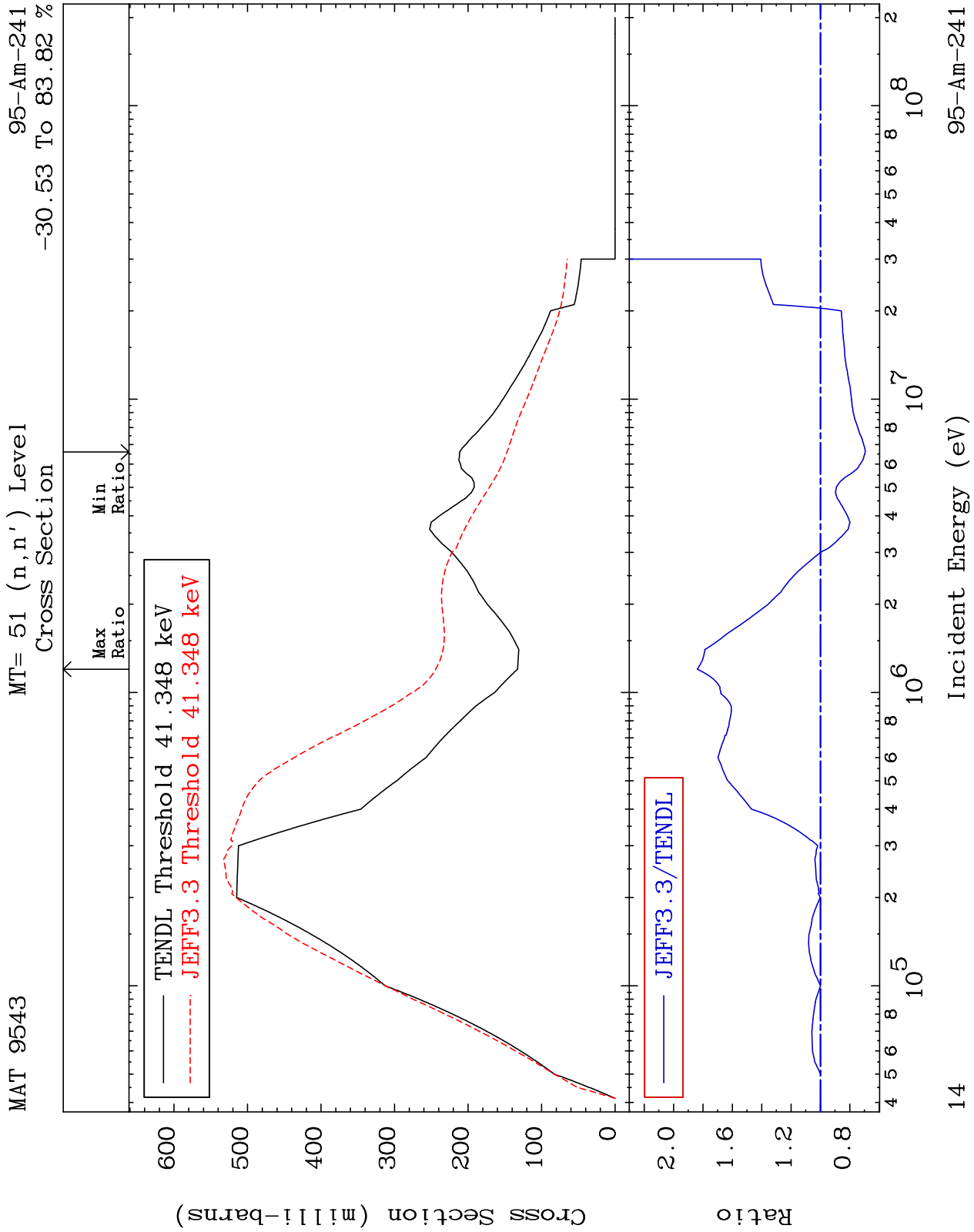


MAT 9543

(n,3n) p
Cross Section

95-Am-241
-99.99 To -98.70%

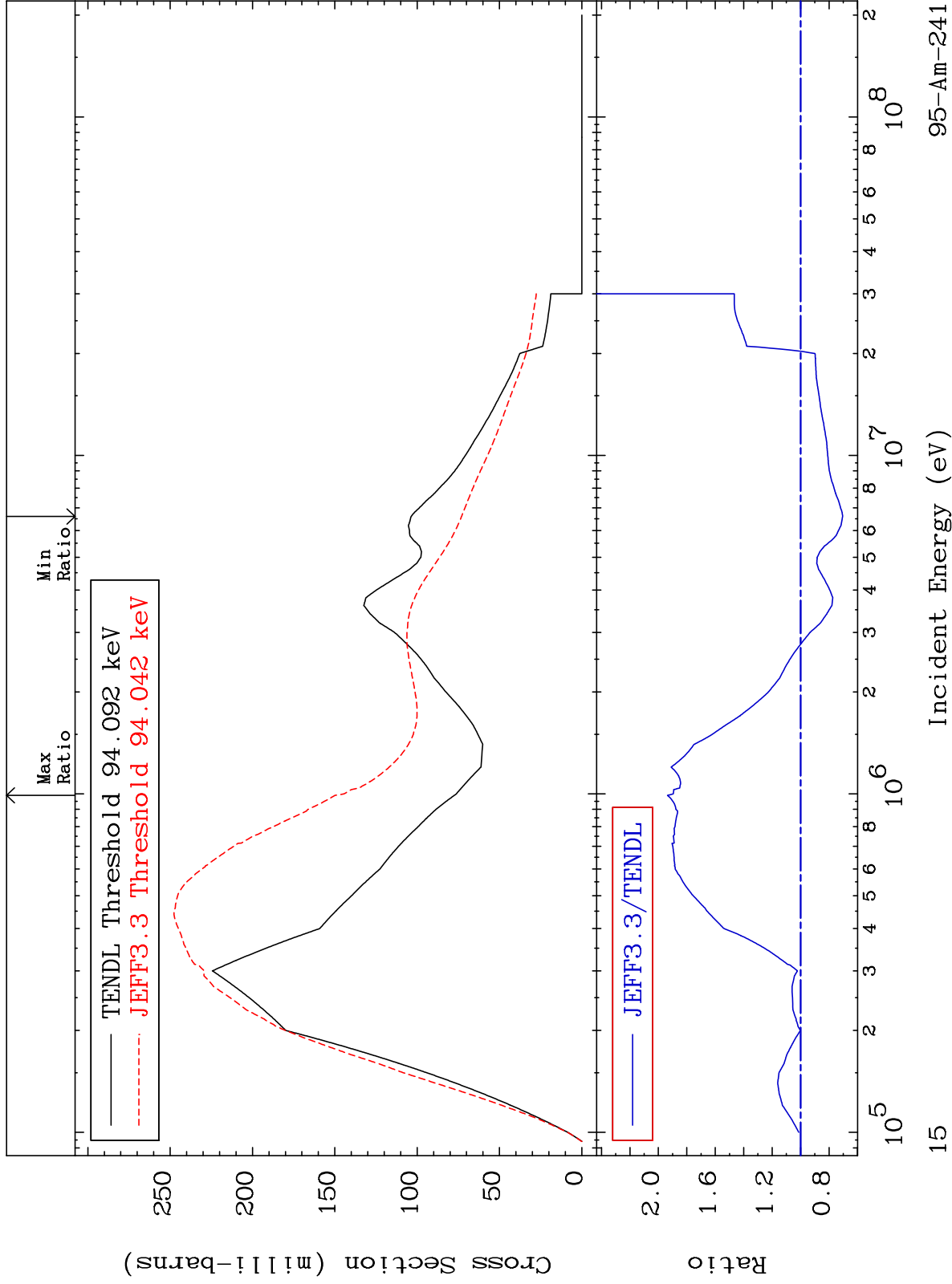




MAT 9543

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

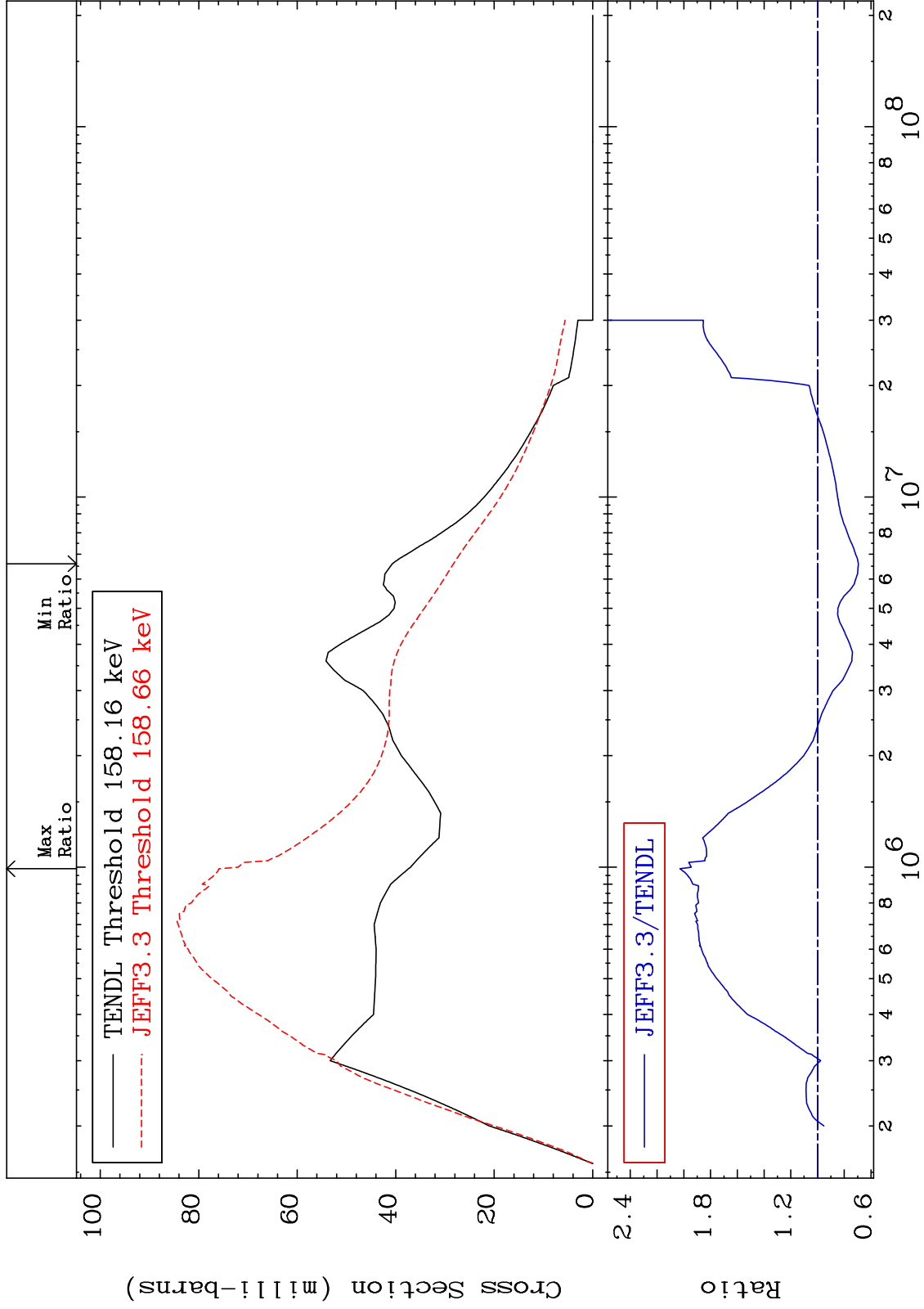
95-Am-241
-29.57 To 93.55 %



MAT 9543

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

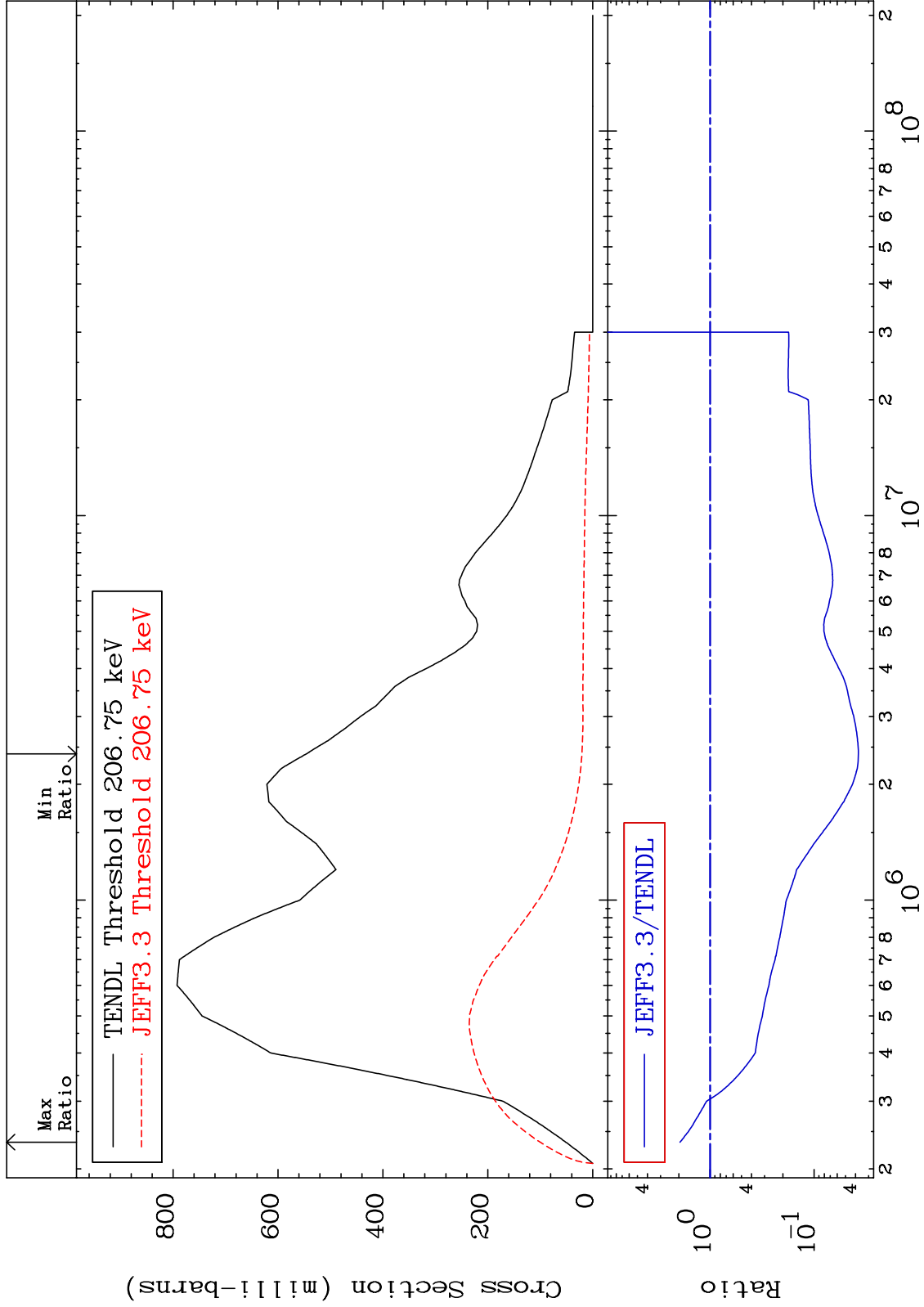
95-Am-241
-30.57 To 102.8 %



MAT 9543

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

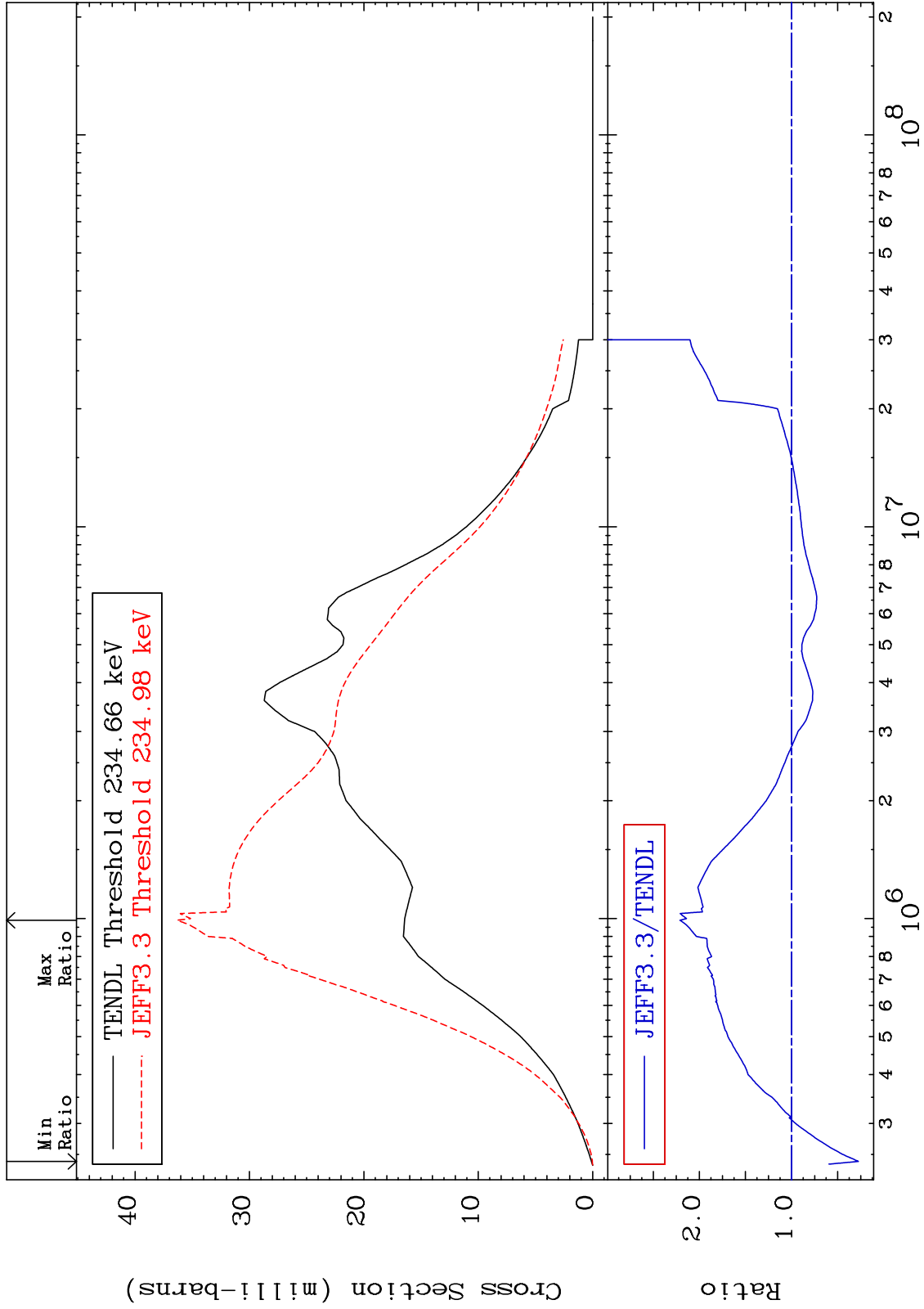
95-Am-241
-96.24 To 94.85 %



MAT 9543

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

95-Am-241
-72.45 To 121.0 %



18

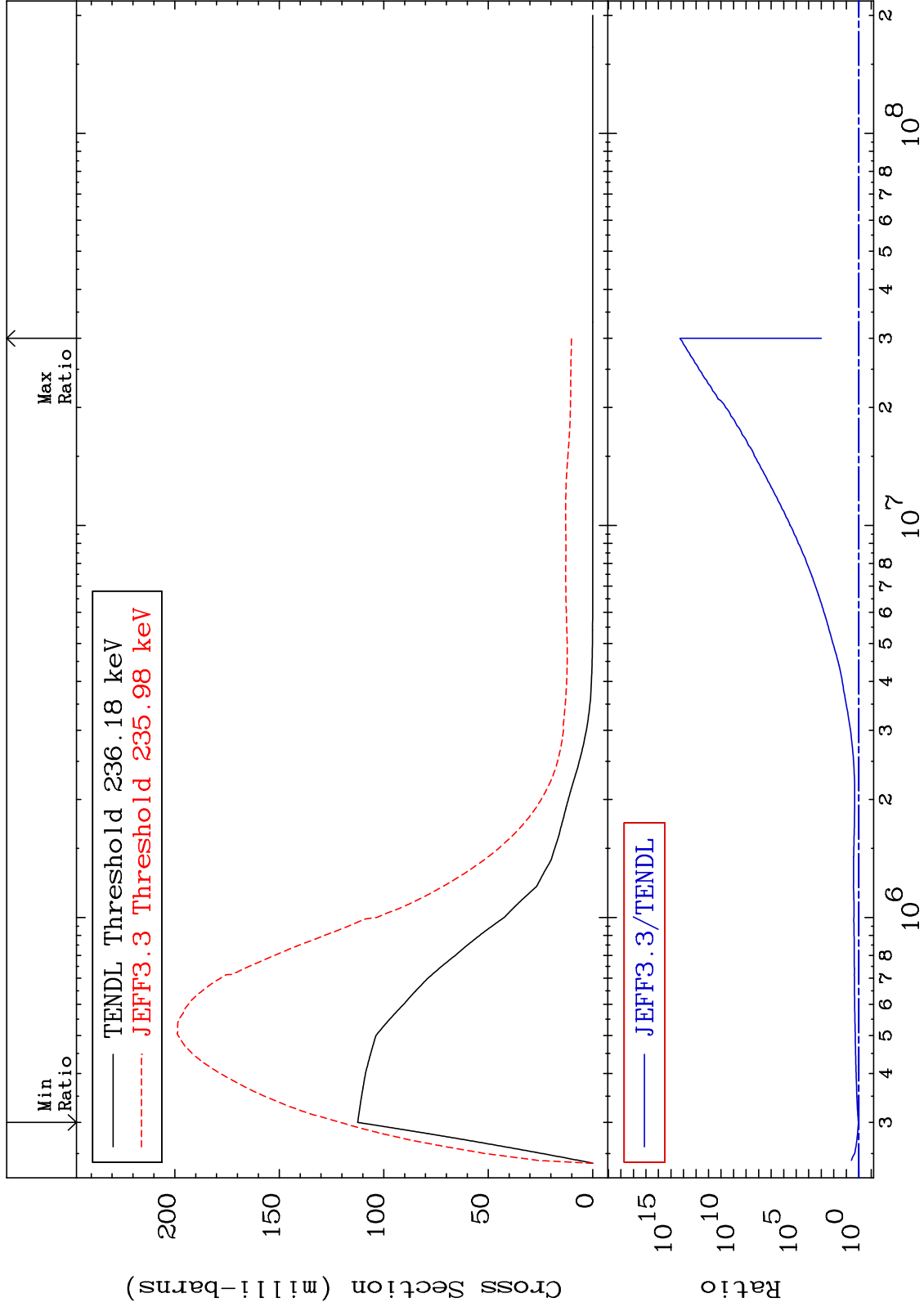
Incident Energy (eV)

95-Am-241

MAT 9543

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

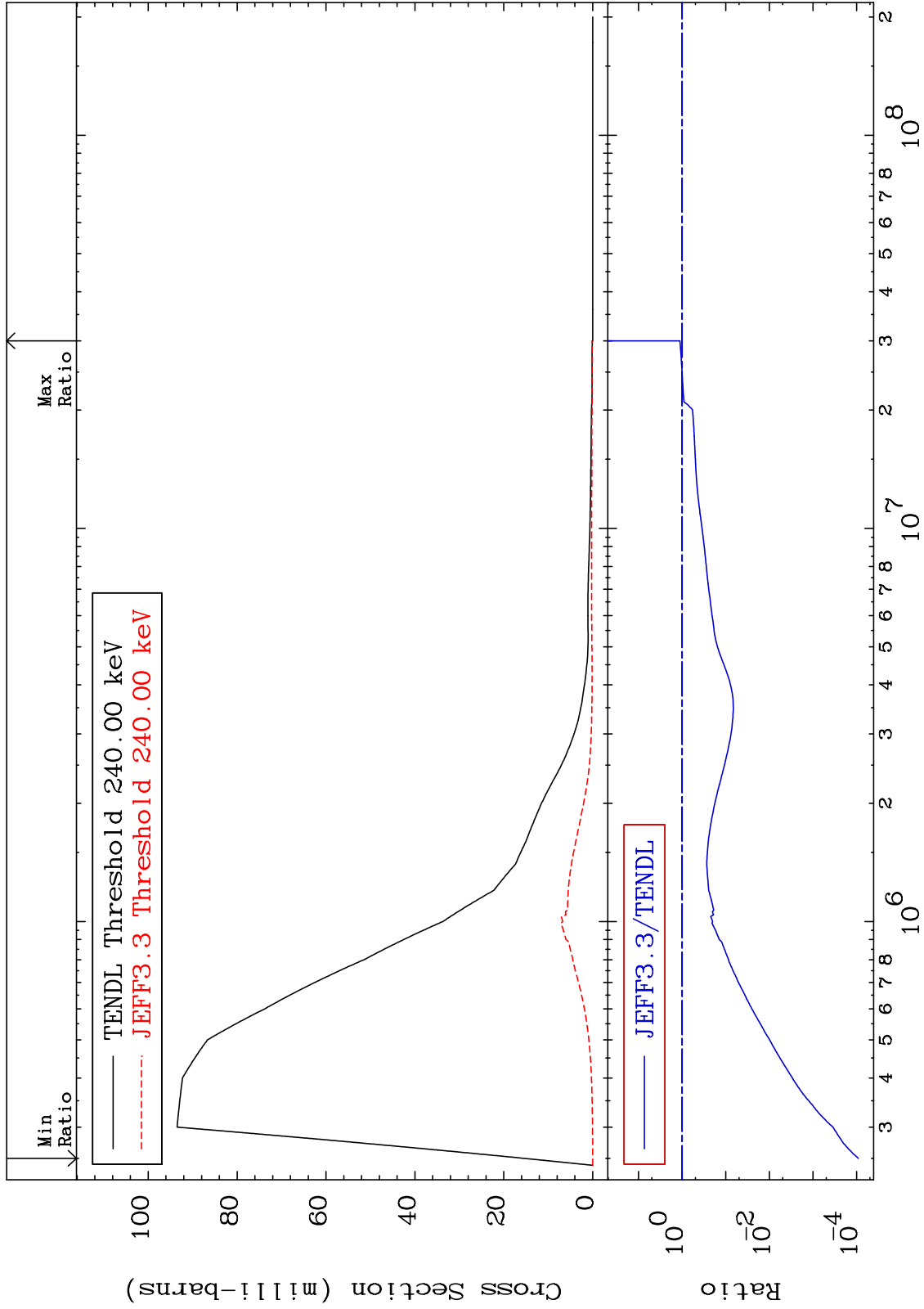
95-Am-241
7.268 To 9999. %



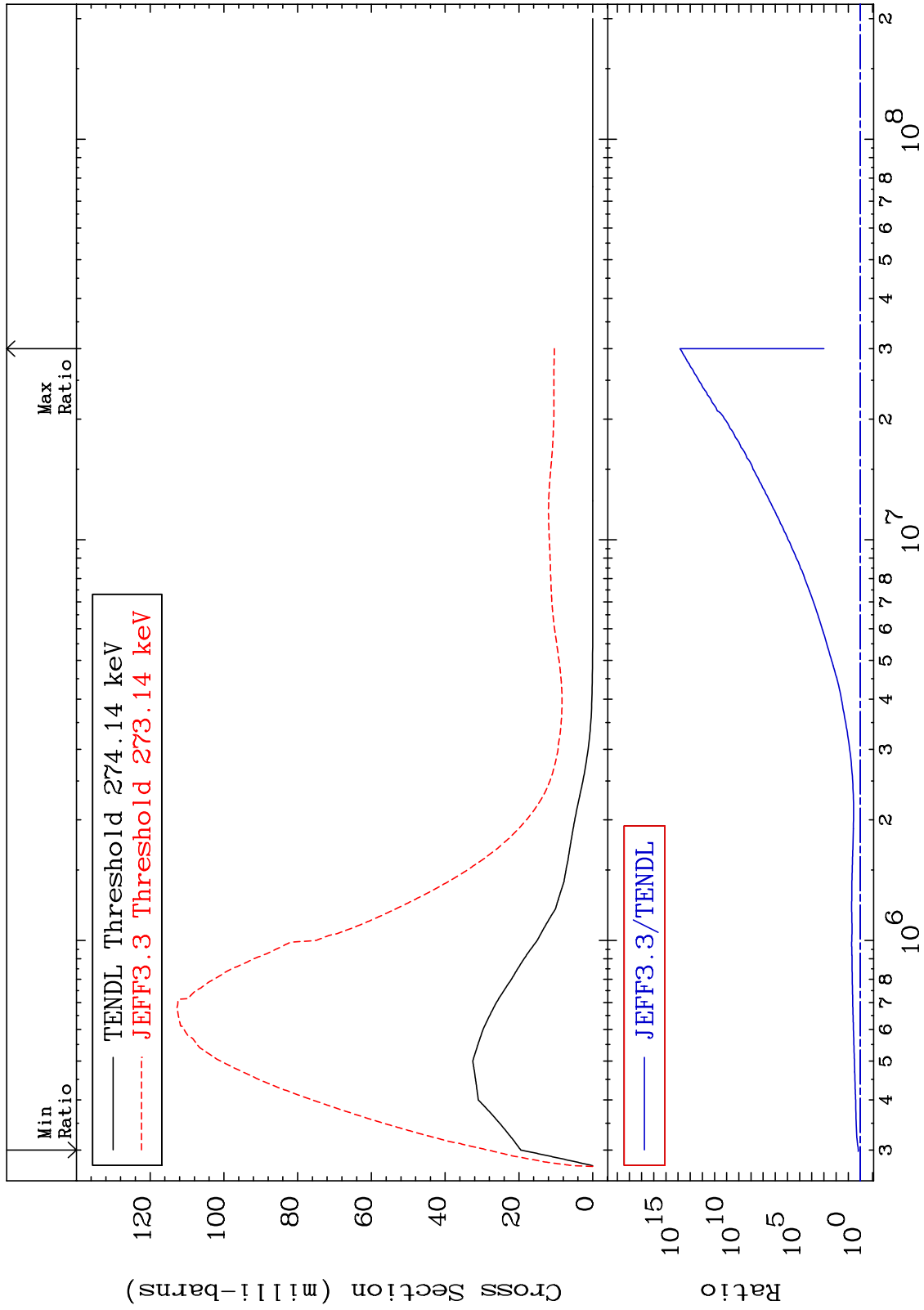
MAT 9543

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

95-Am-241
-99.99 To 12.28 %



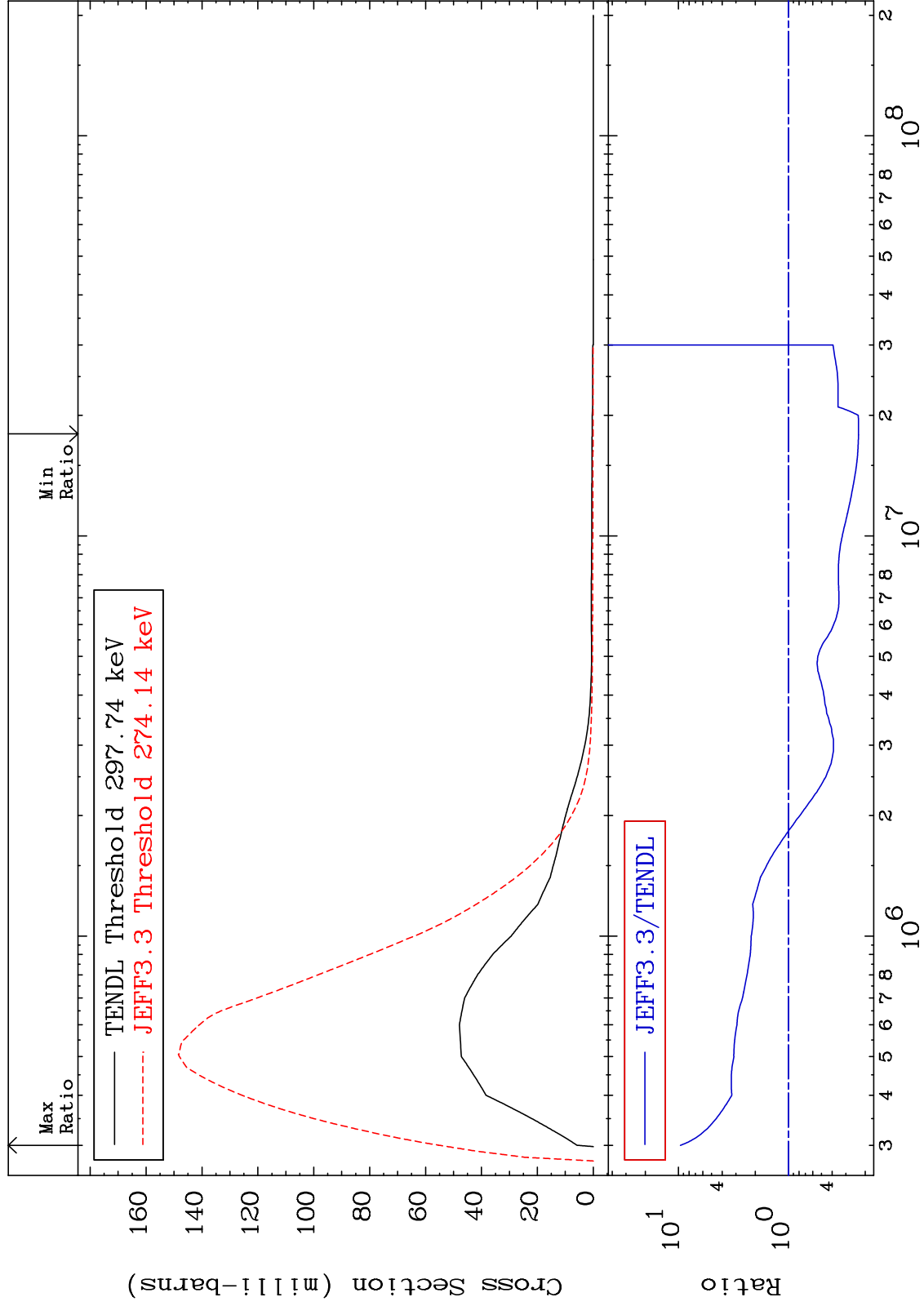
MAT 9543 MT= 58 (n,n') Level Cross Section 95-Am-241 To 9999. %



MAT 9543

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

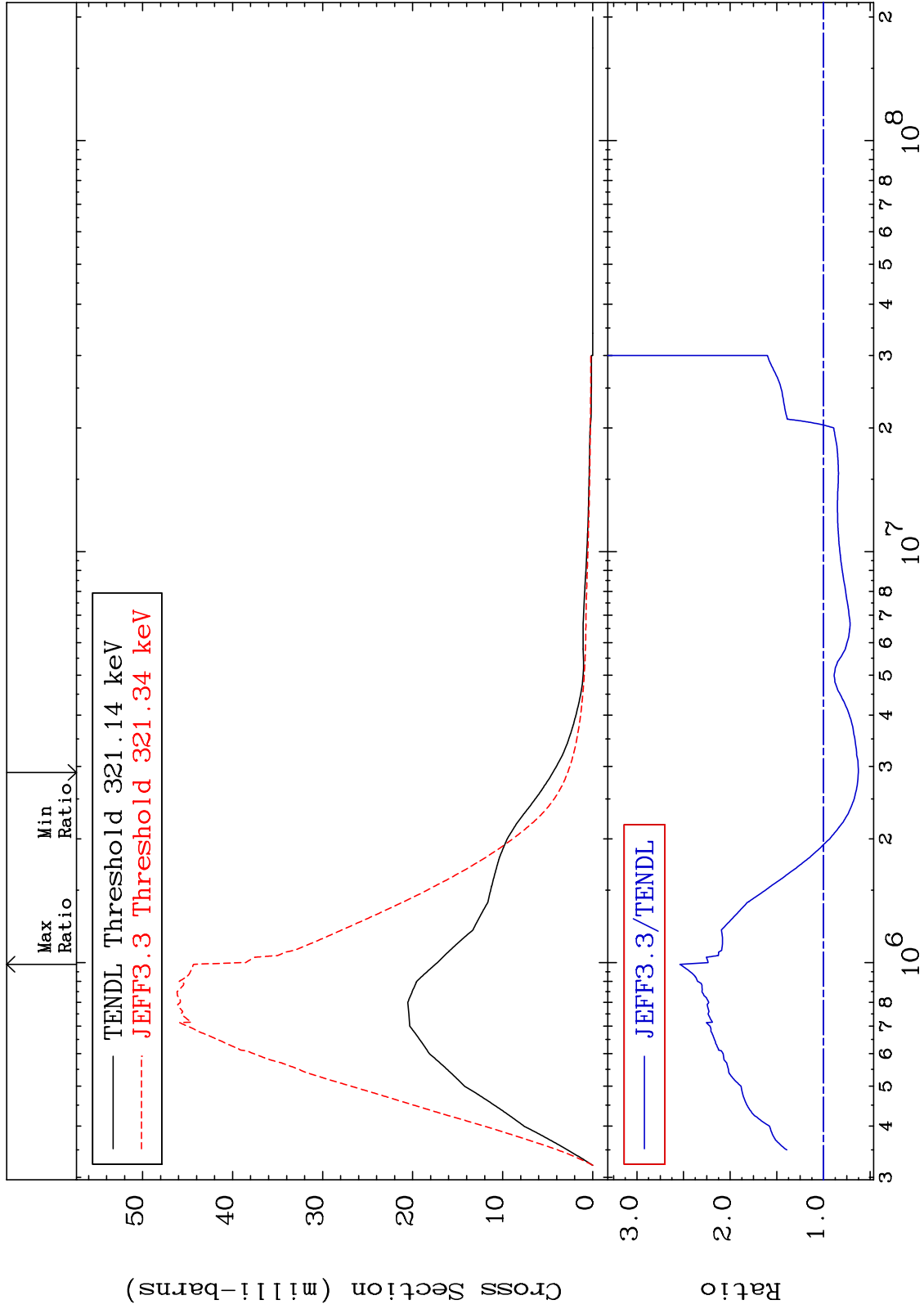
95-Am-241
-76.99 To 859.6 %

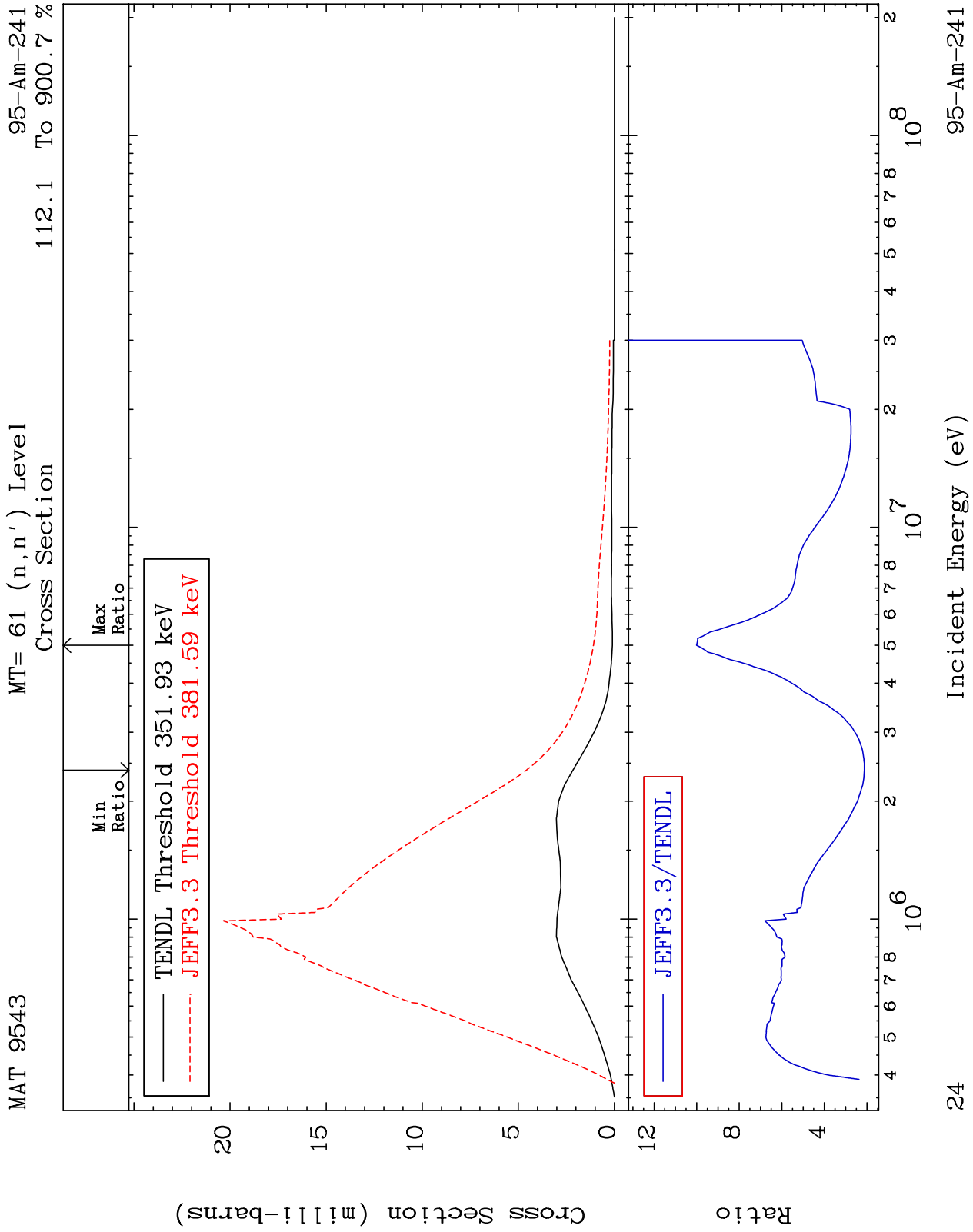


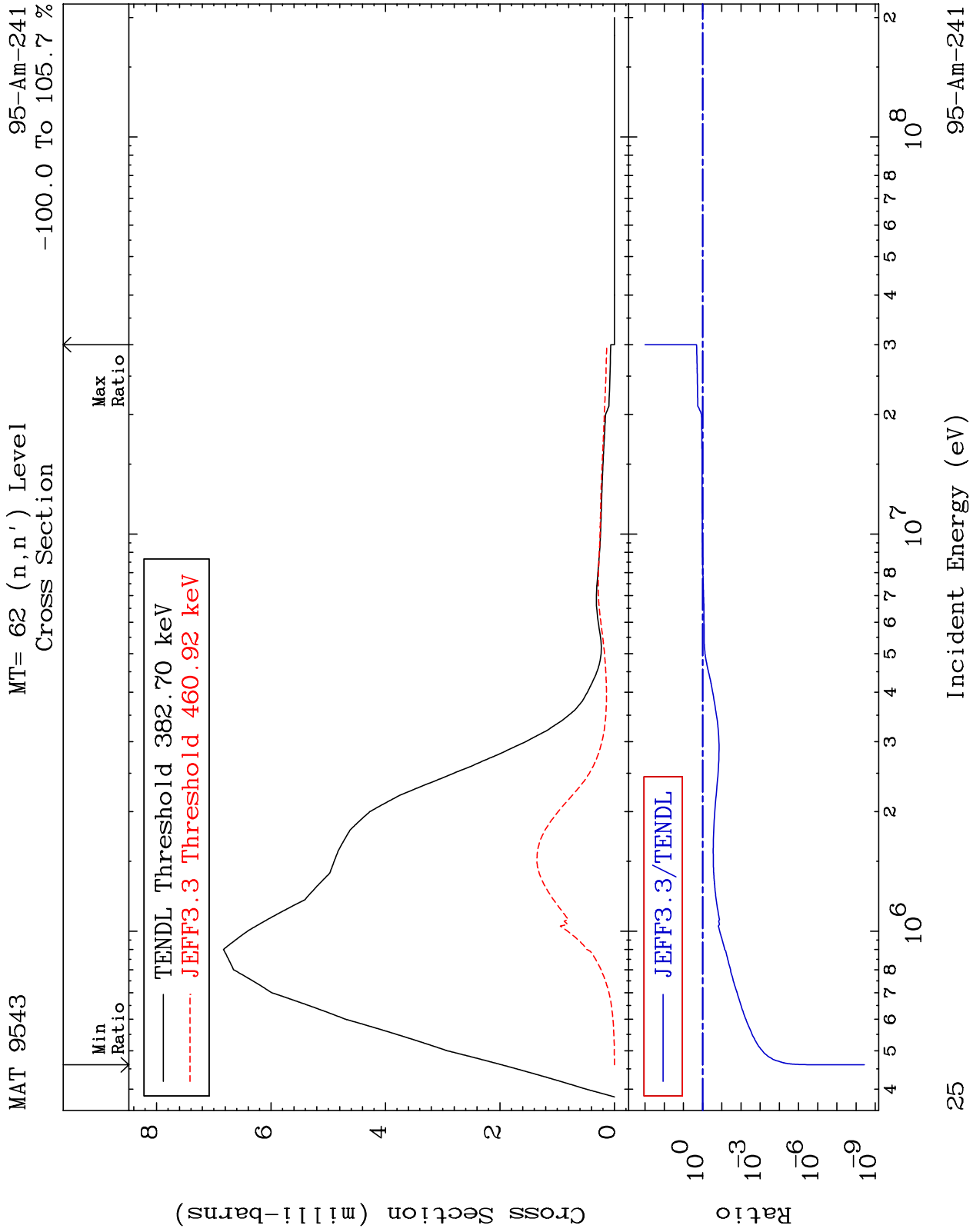
MAT 9543

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

95-Am-241
-37.43 To 153.8 %



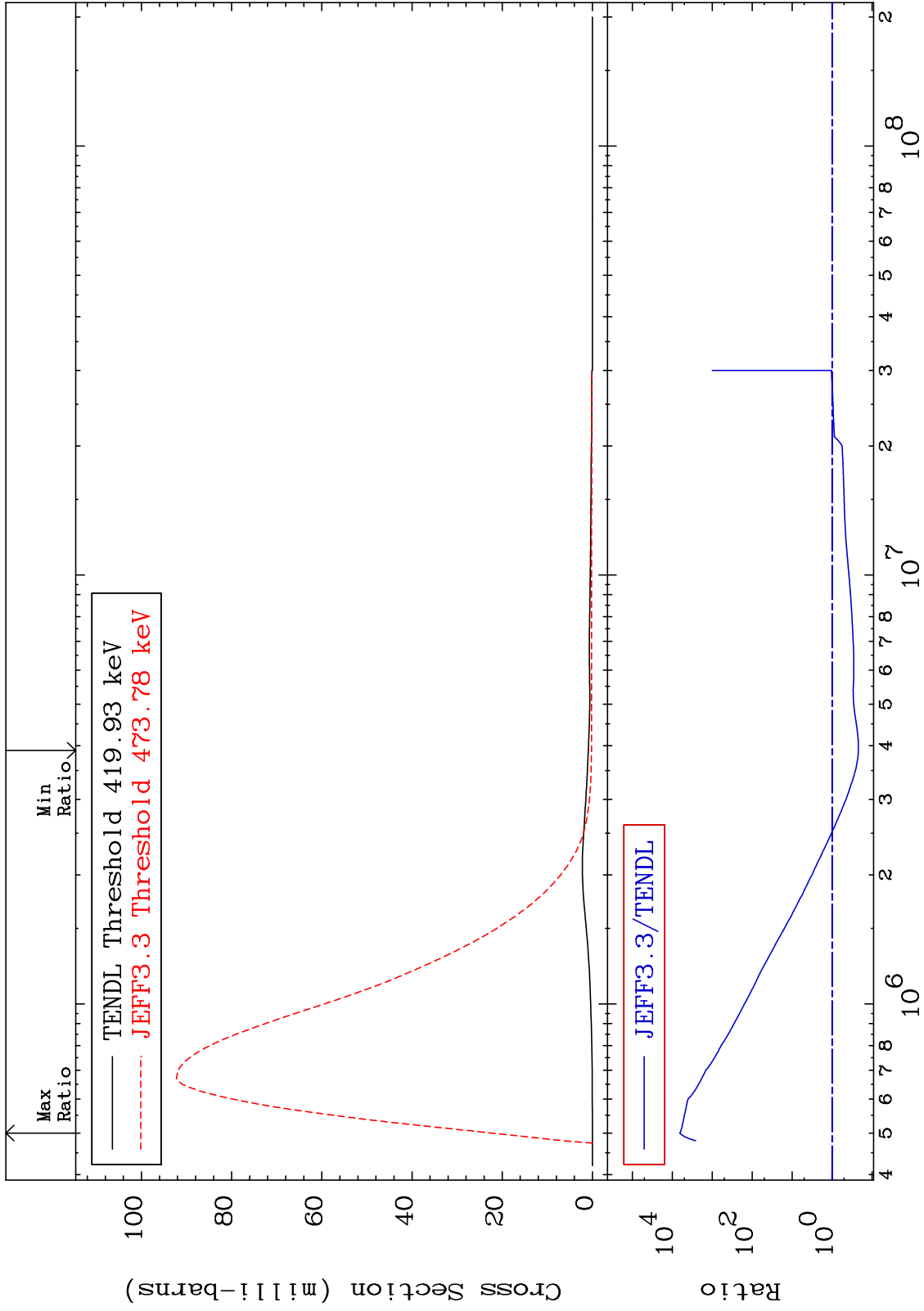




MAT 9543

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

95-Am-241
-78.07 To 9999. %

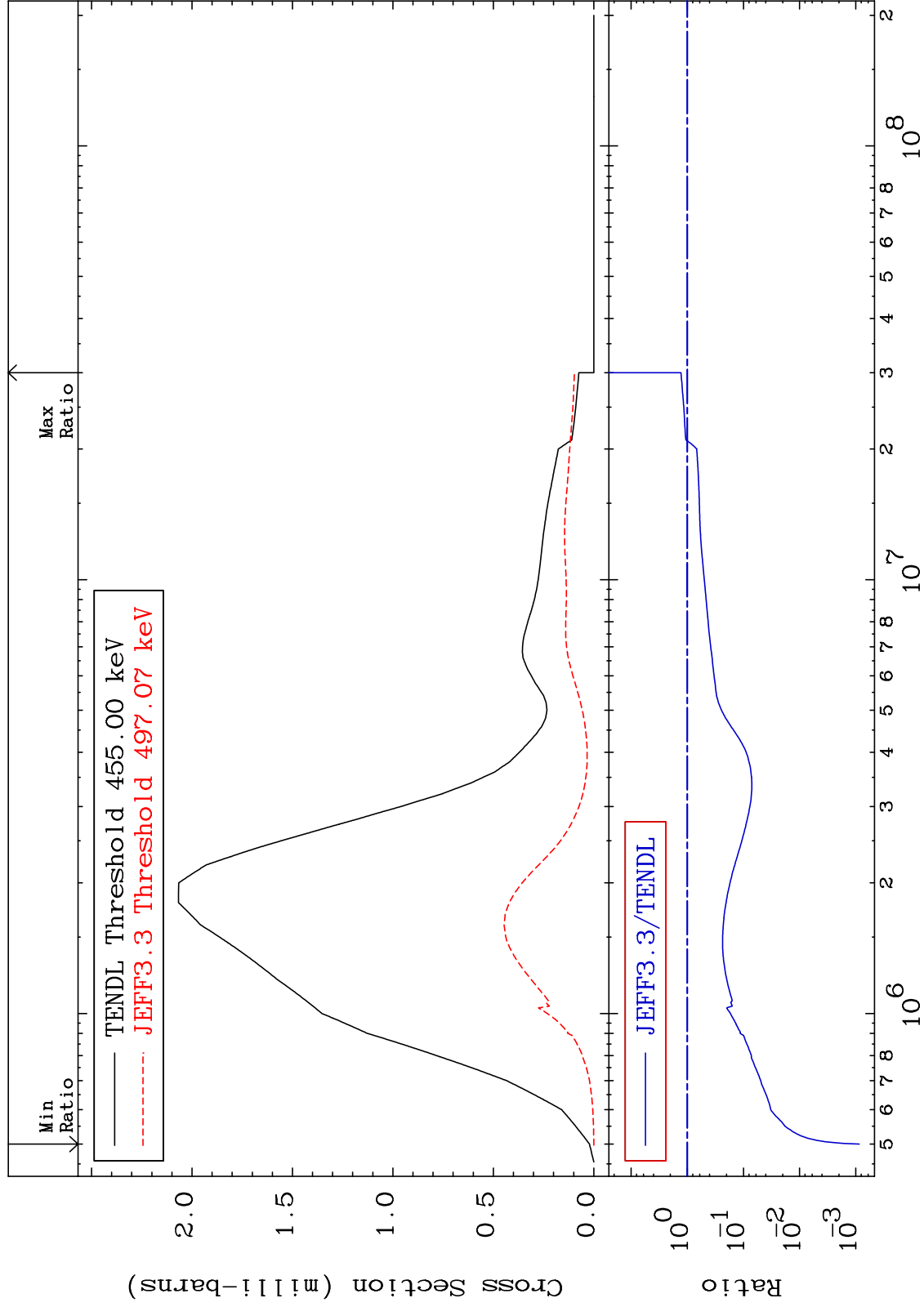


95-Am-241

MAT 9543

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

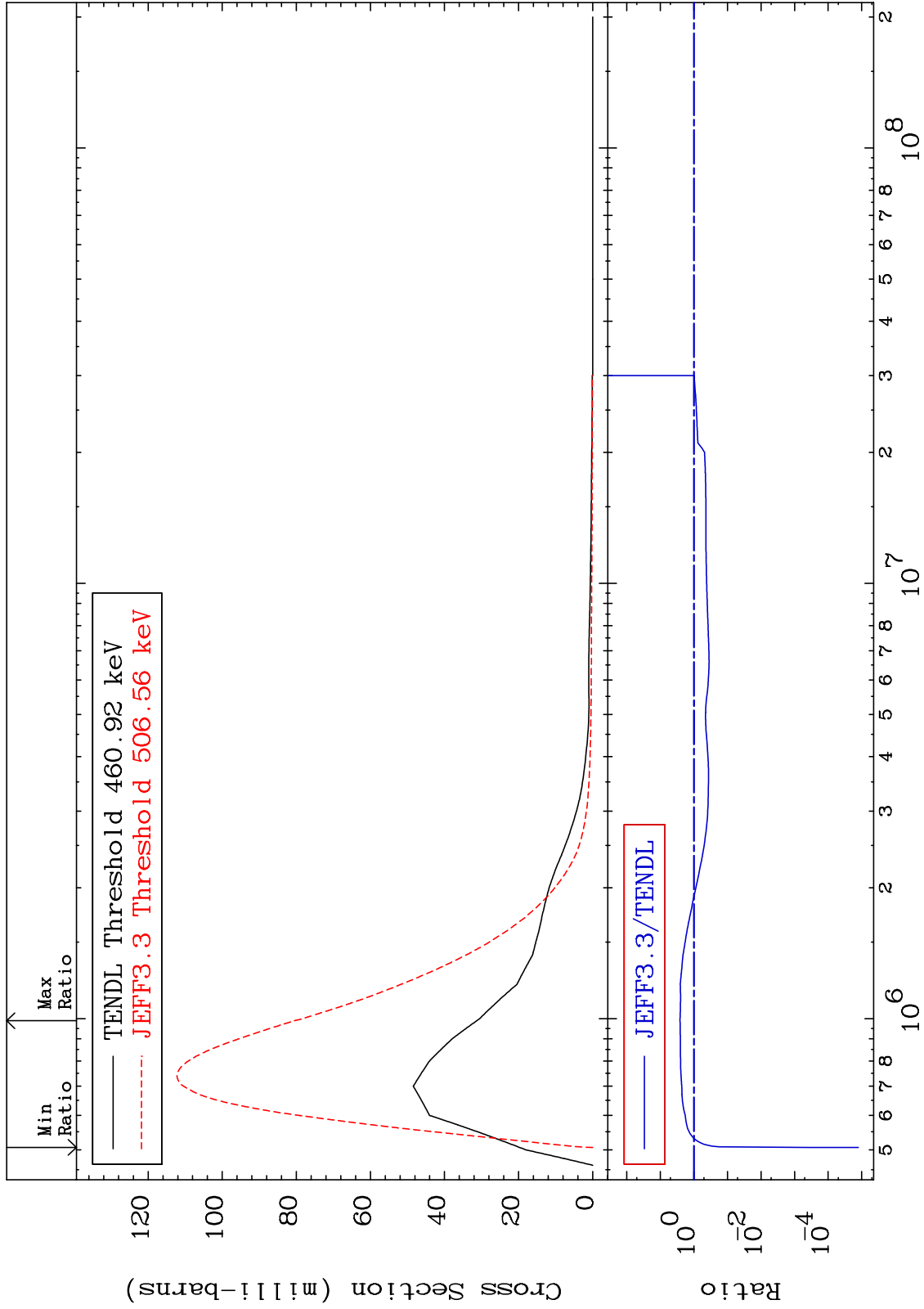
95-Am-241
-99.91 To 28.89 %



MAT 9543

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

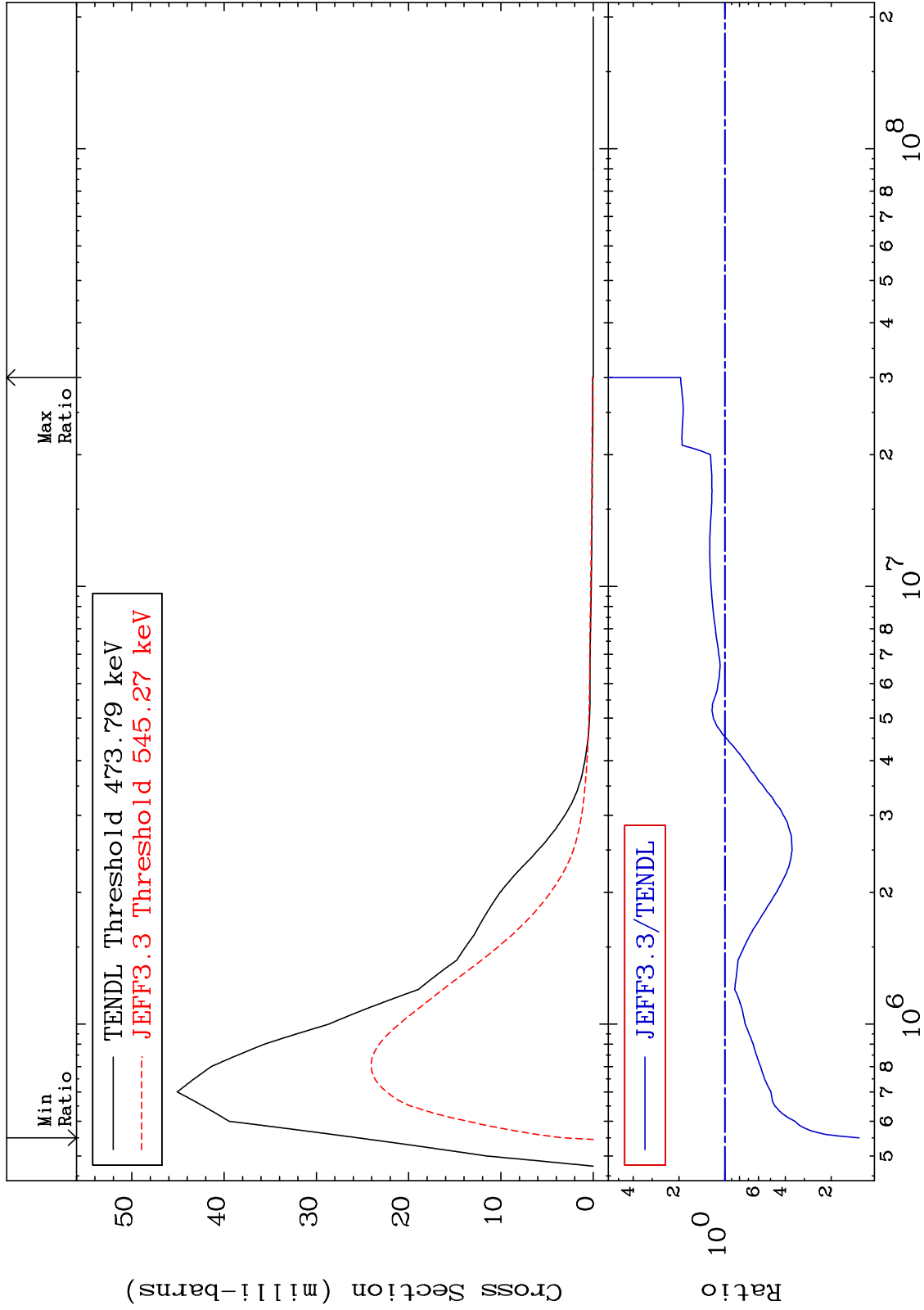
95-Am-241
-100.0 To 157.4 %



MAT 9543

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

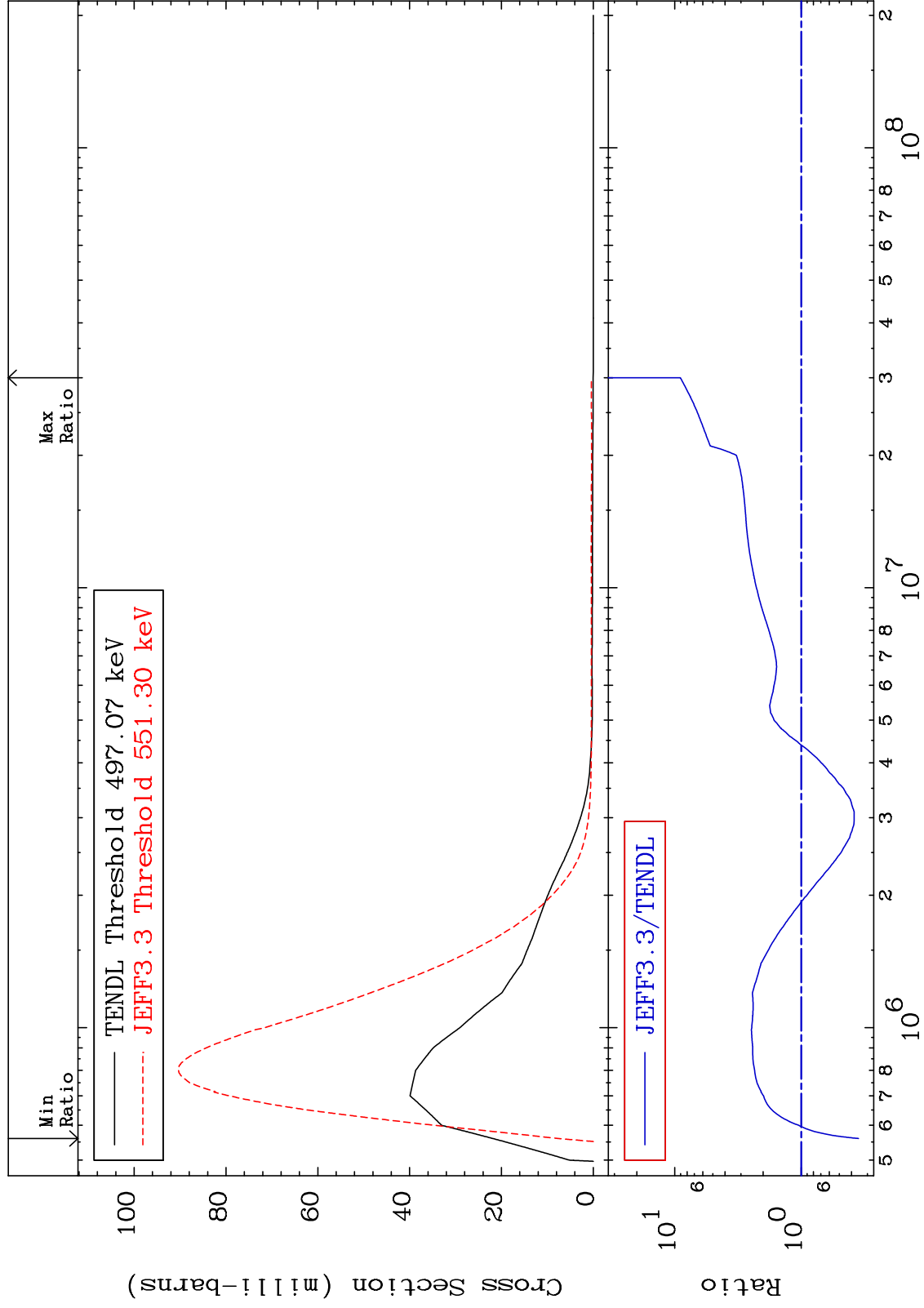
95-Am-241
-86.92 To 95.10 %



MAT 9543

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

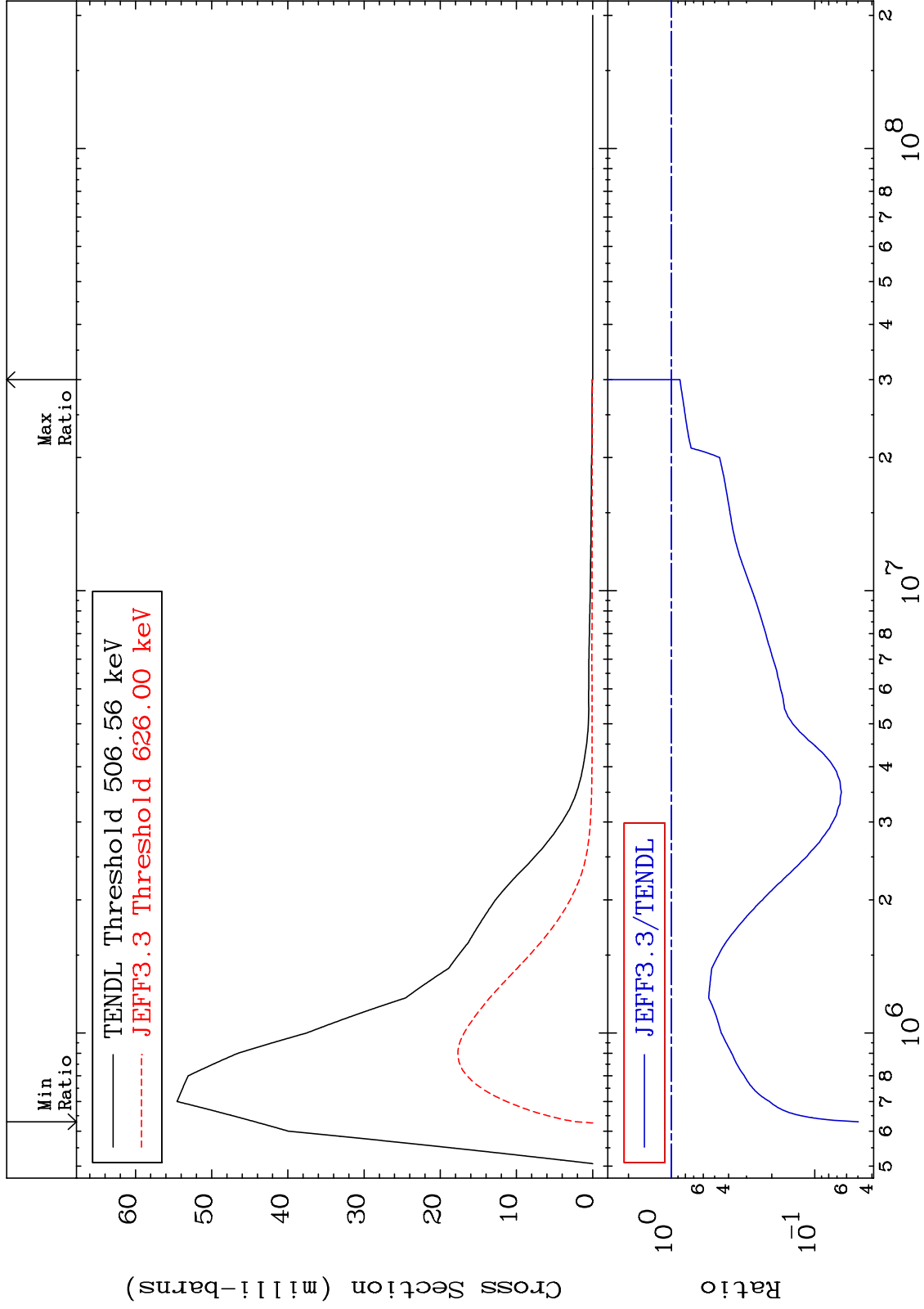
95-Am-241
-64.77 To 802.3 %



MAT 9543

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

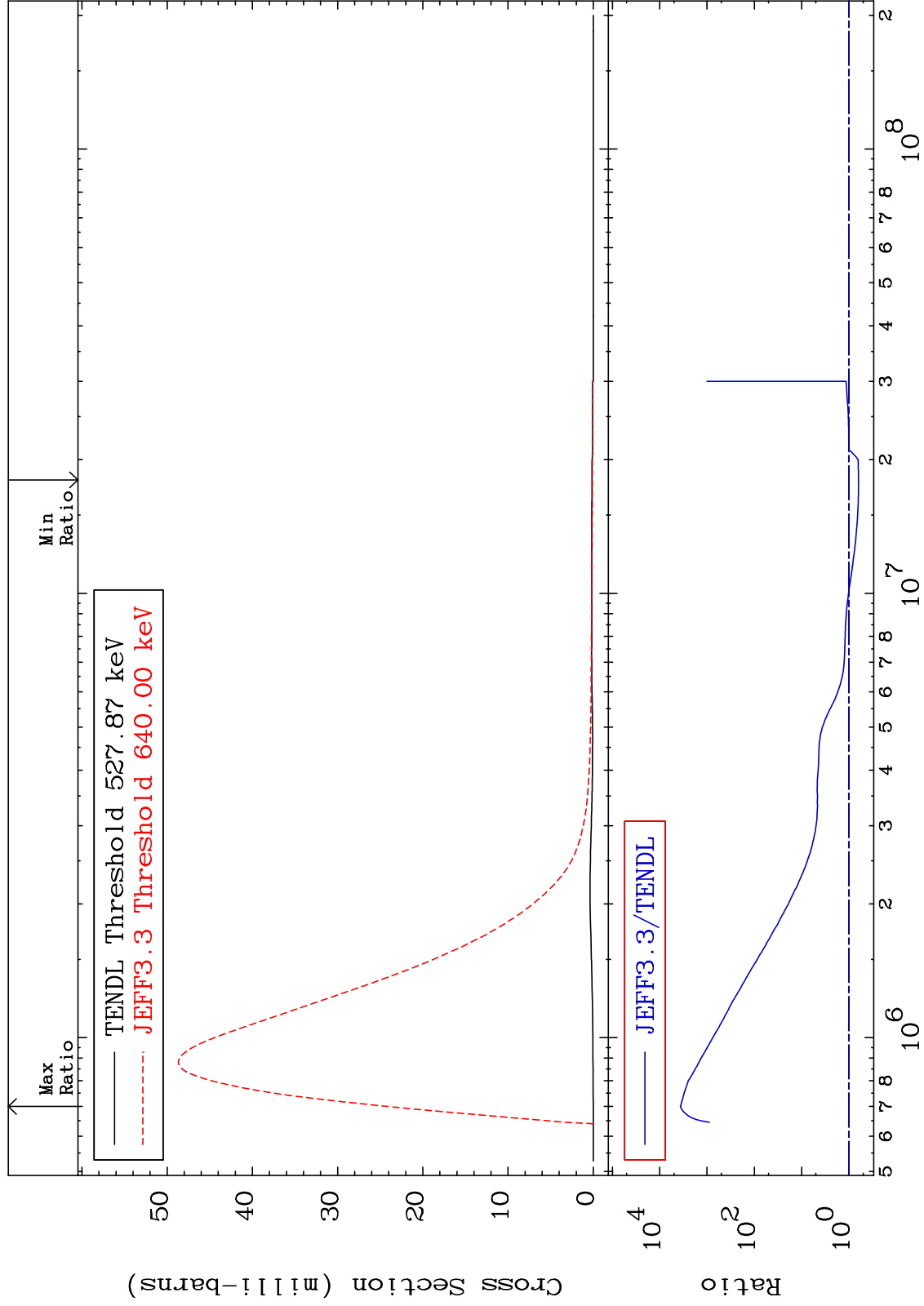
95-Am-241
-95.03 To -12.76%



MAT 9543

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

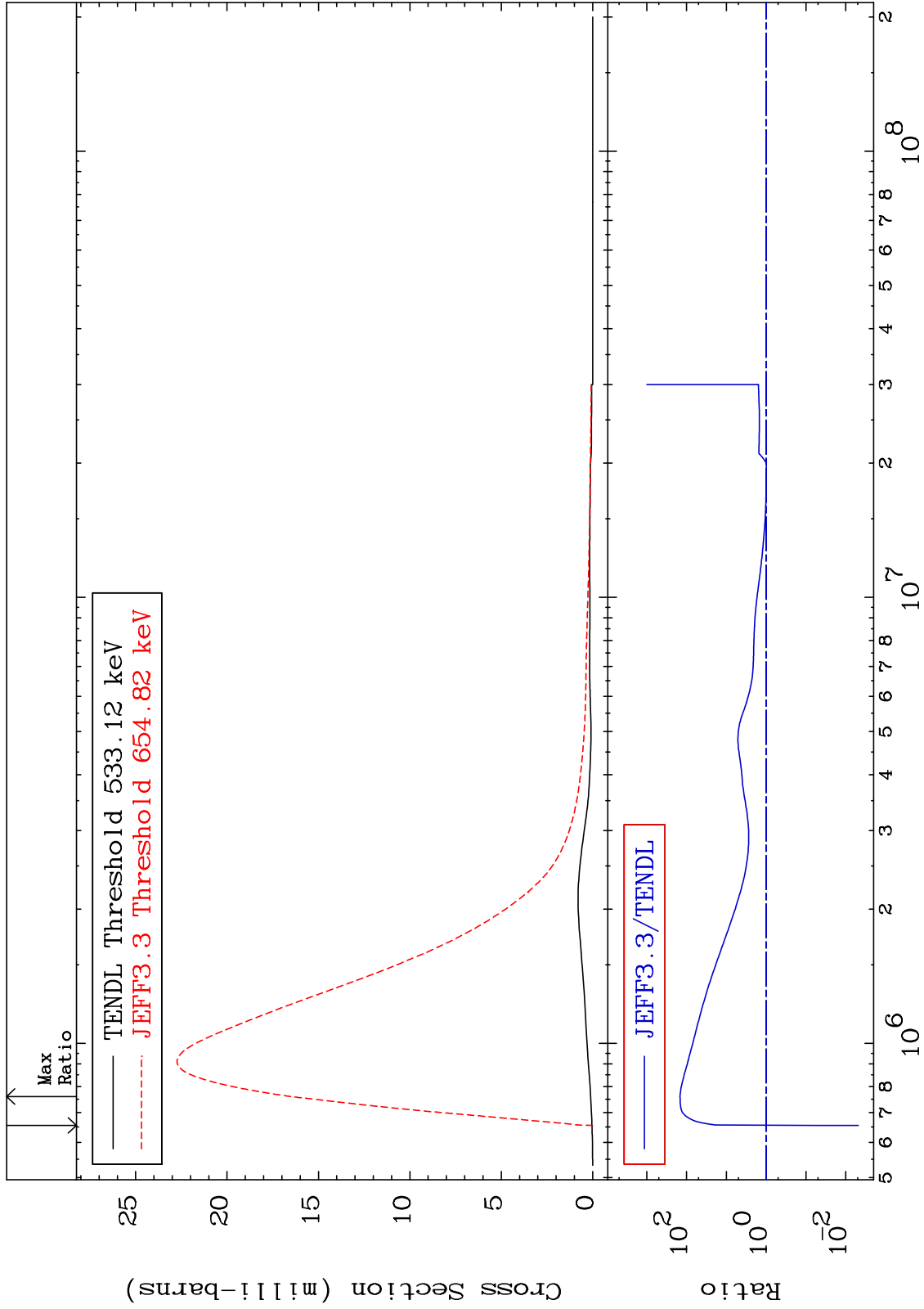
95-Am-241
-37.21 To 9999. %



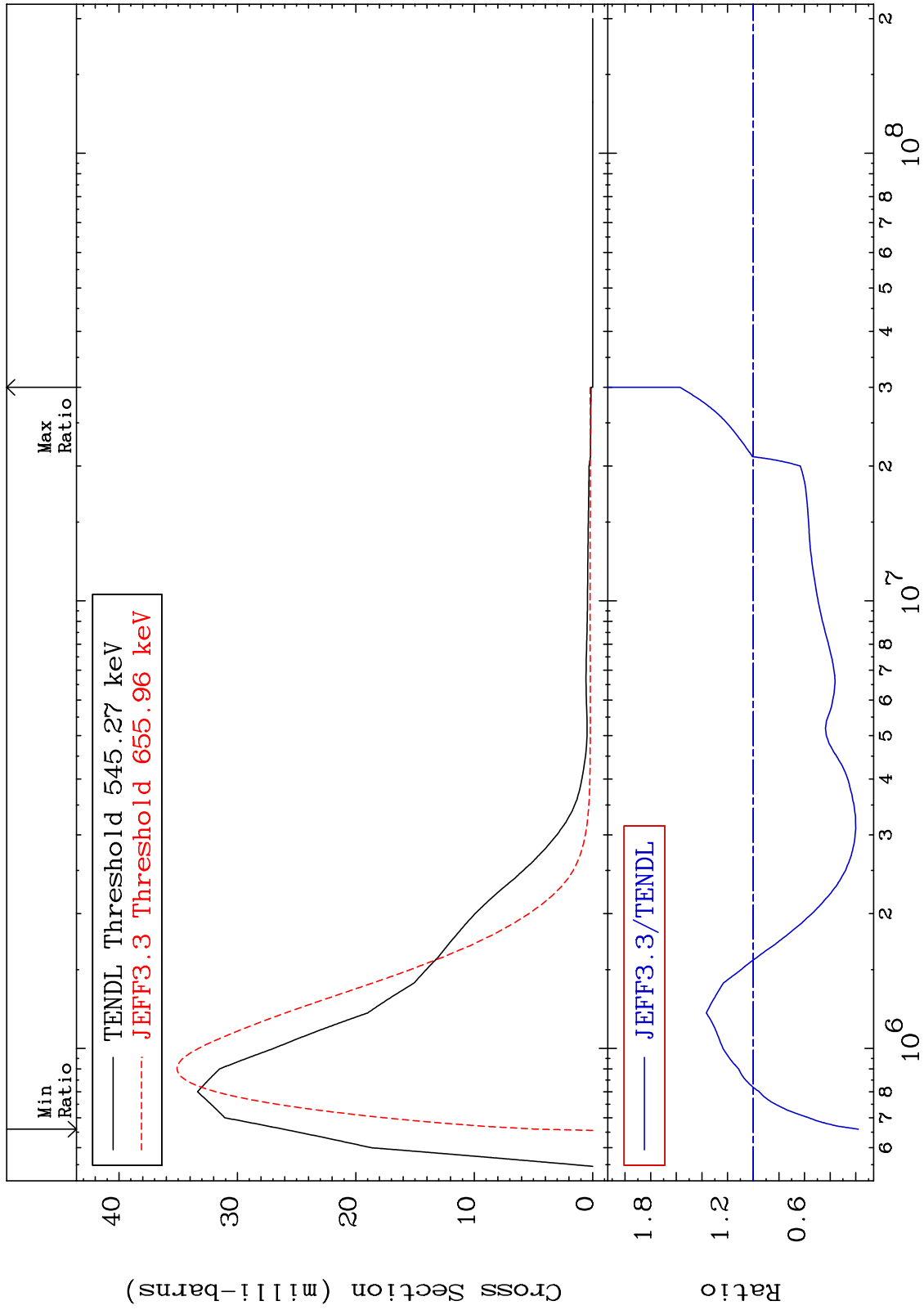
MAT 9543

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

95-Am-241
-99.52 To 9999. %



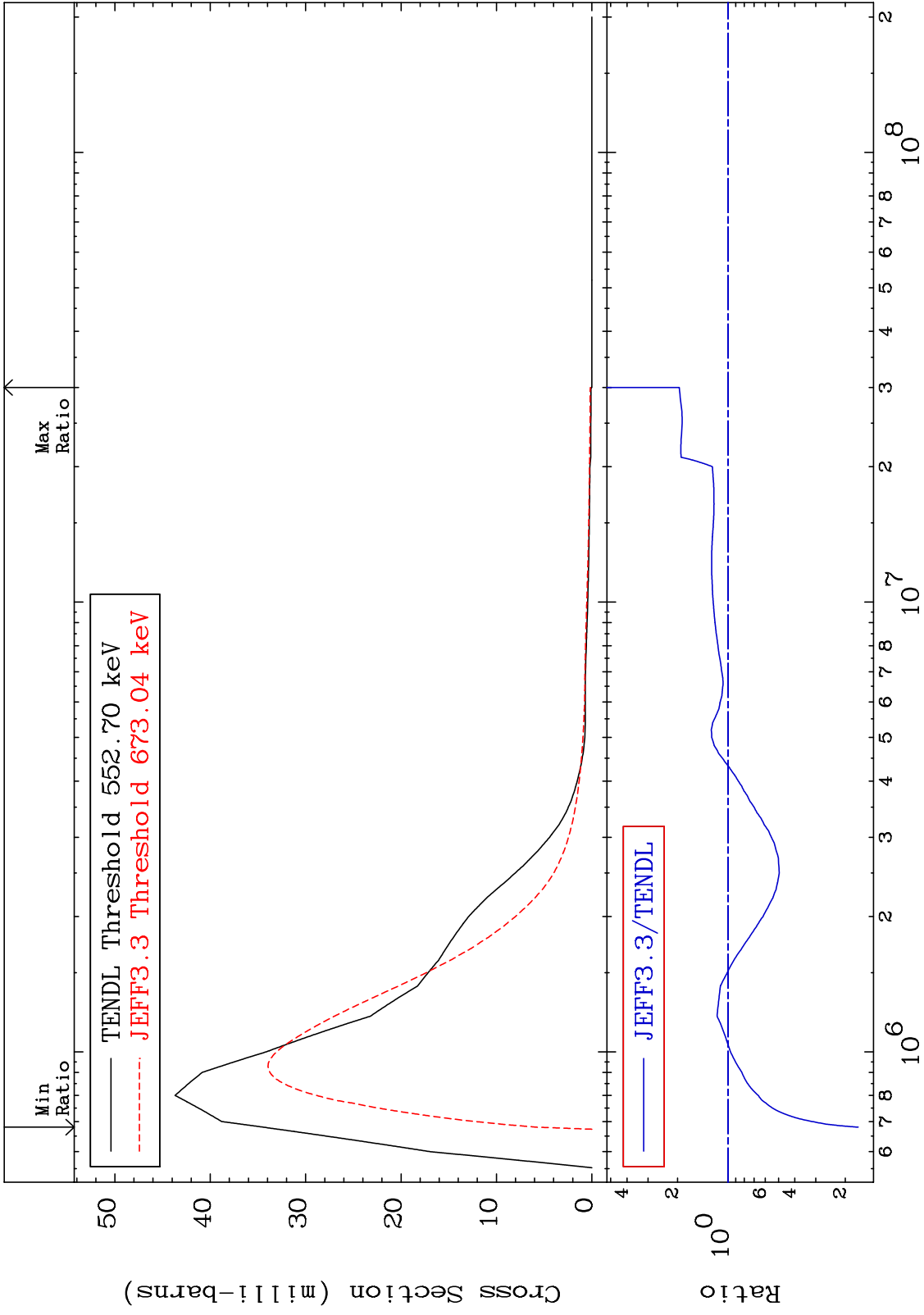
MAT 9543 MT= 71 (n,n') Level Cross Section 95-Am-241 -82.03 To 57.11 %



MAT 9543

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

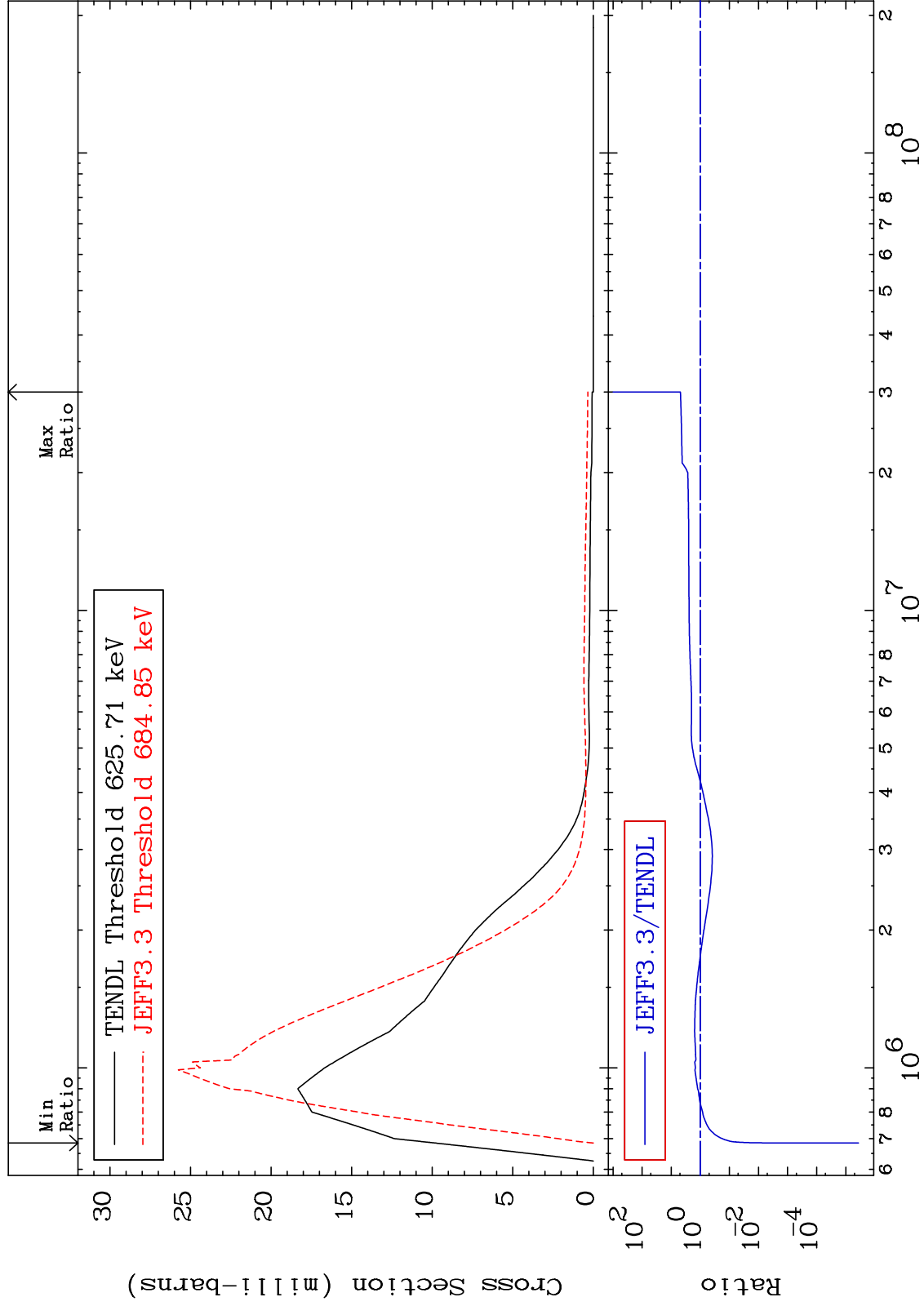
95-Am-241
-83.24 To 94.95 %



MAT 9543

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

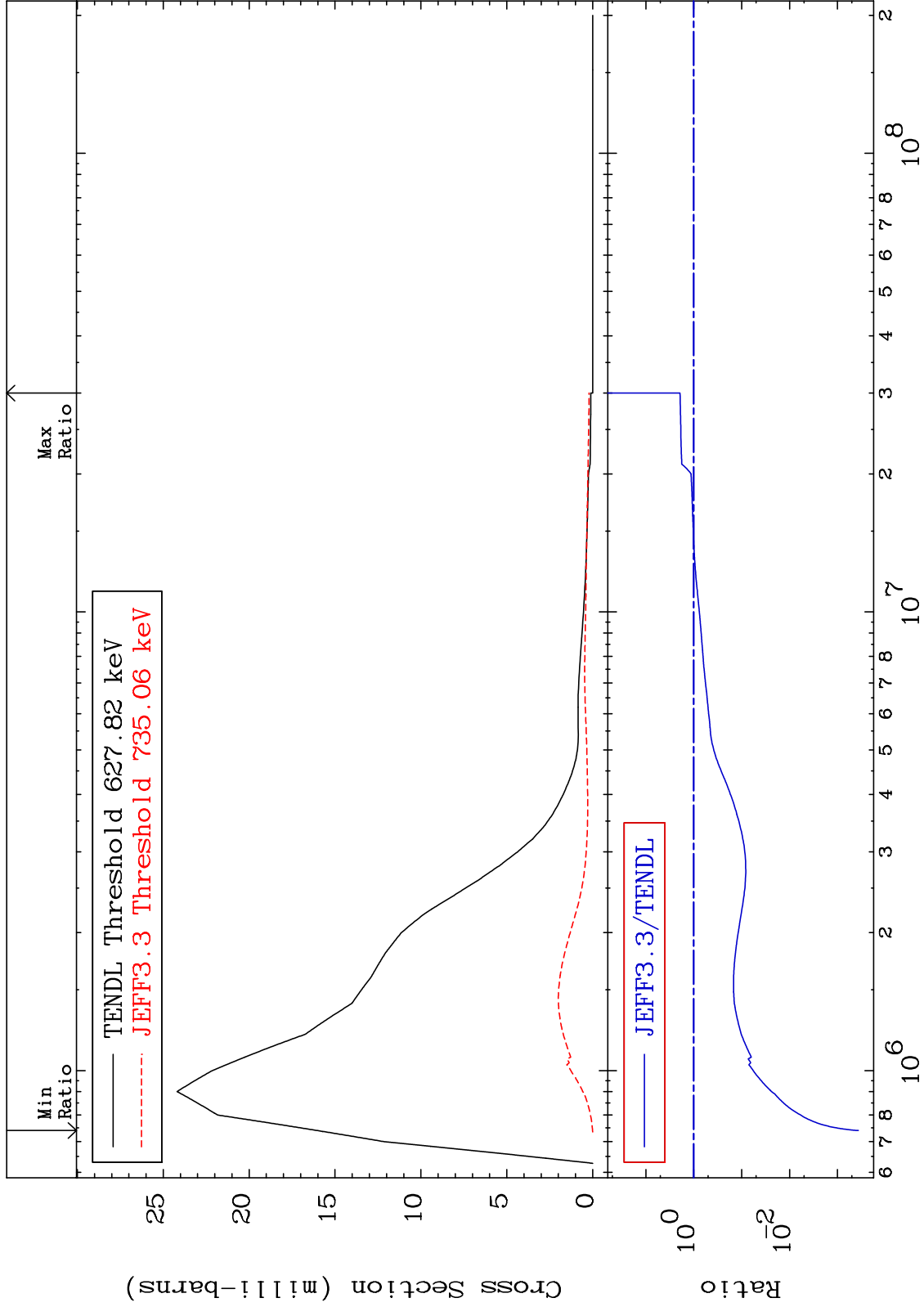
95-Am-241
-100.0 To 381.2 %



MAT 9543

MT= 74 (n,n') Level
Cross Section

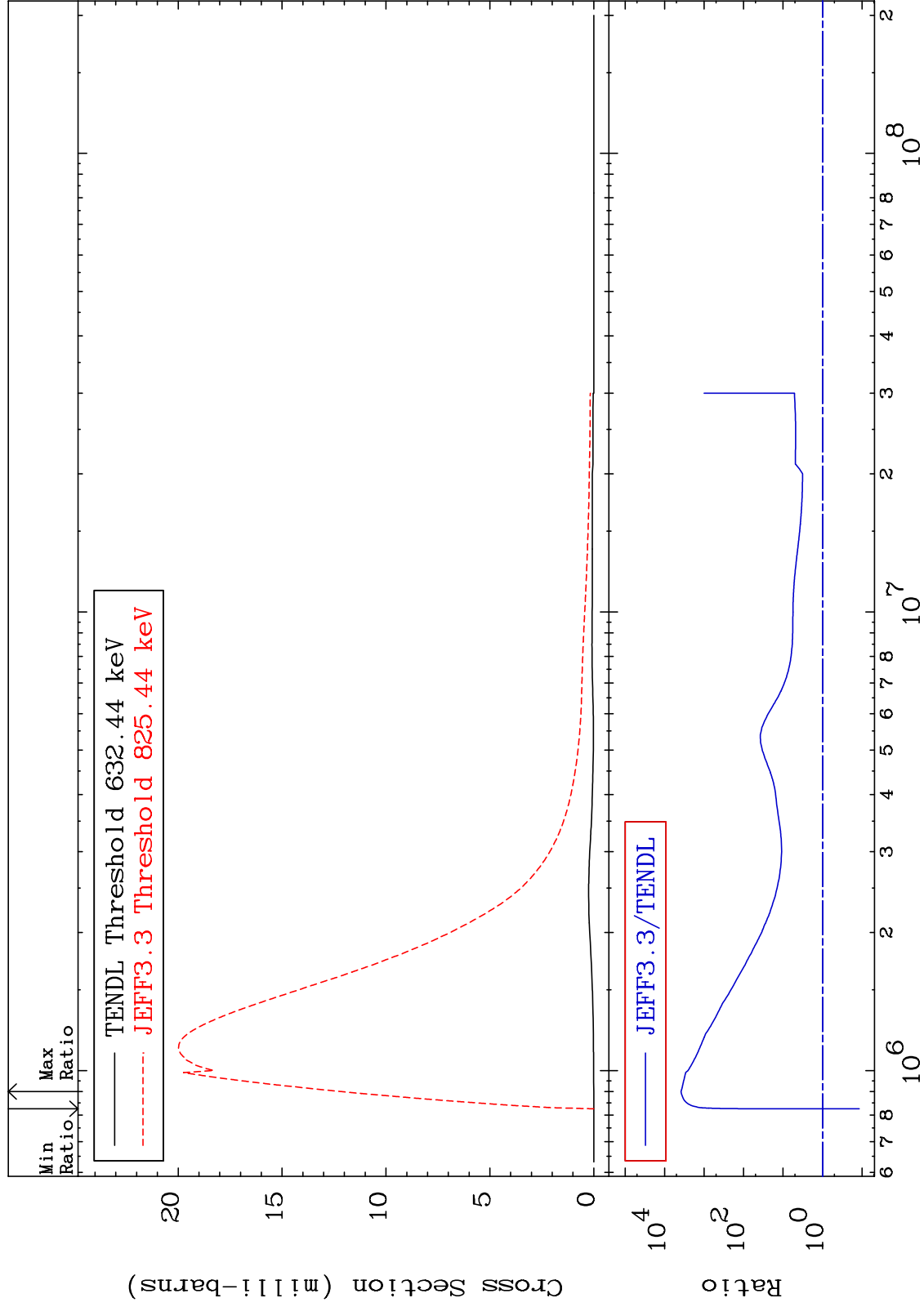
95-Am-241
-99.96 To 93.56 %



MAT 9543

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

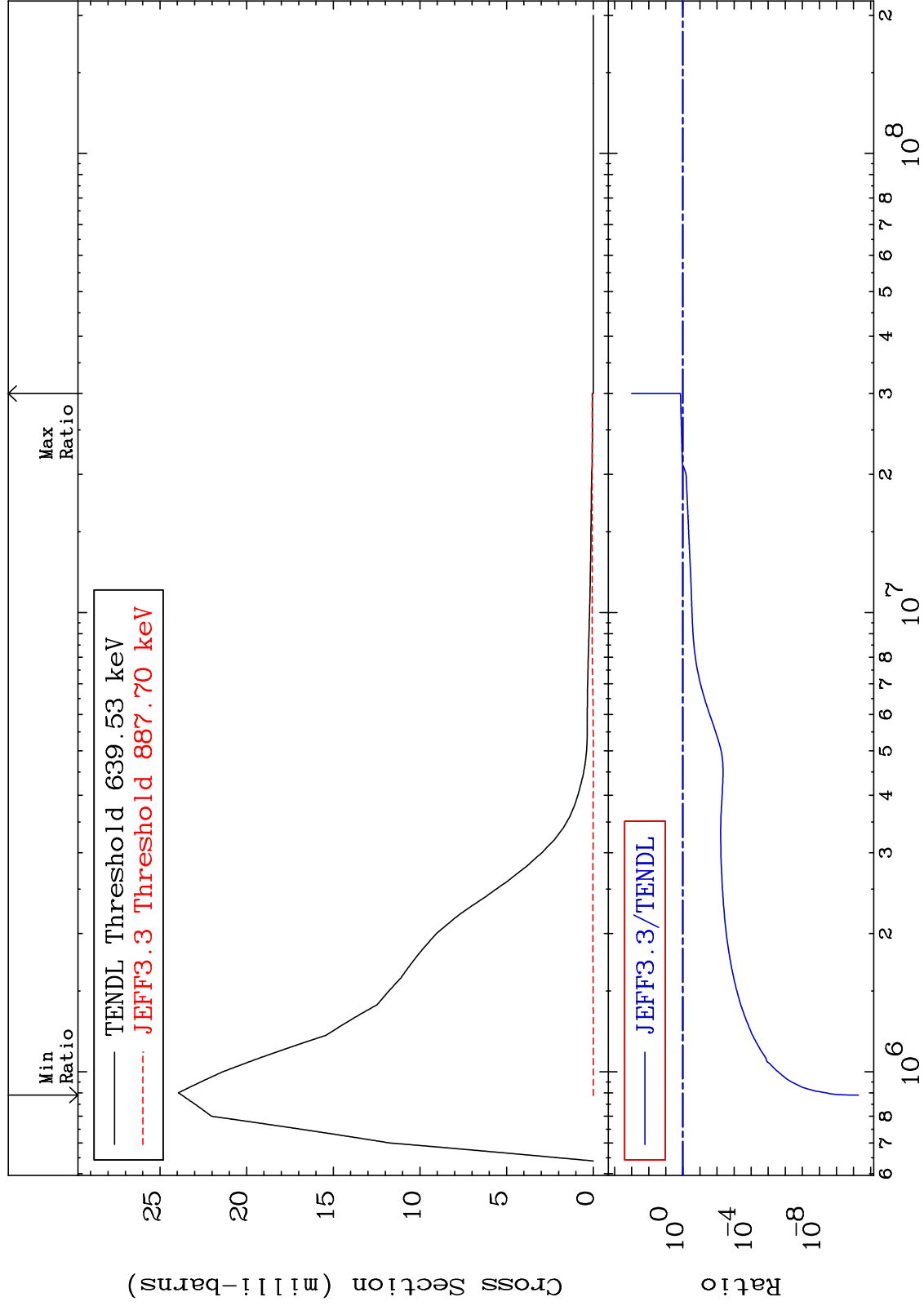
95-Am-241
-88.25 To 9999. %



MAT 9543

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

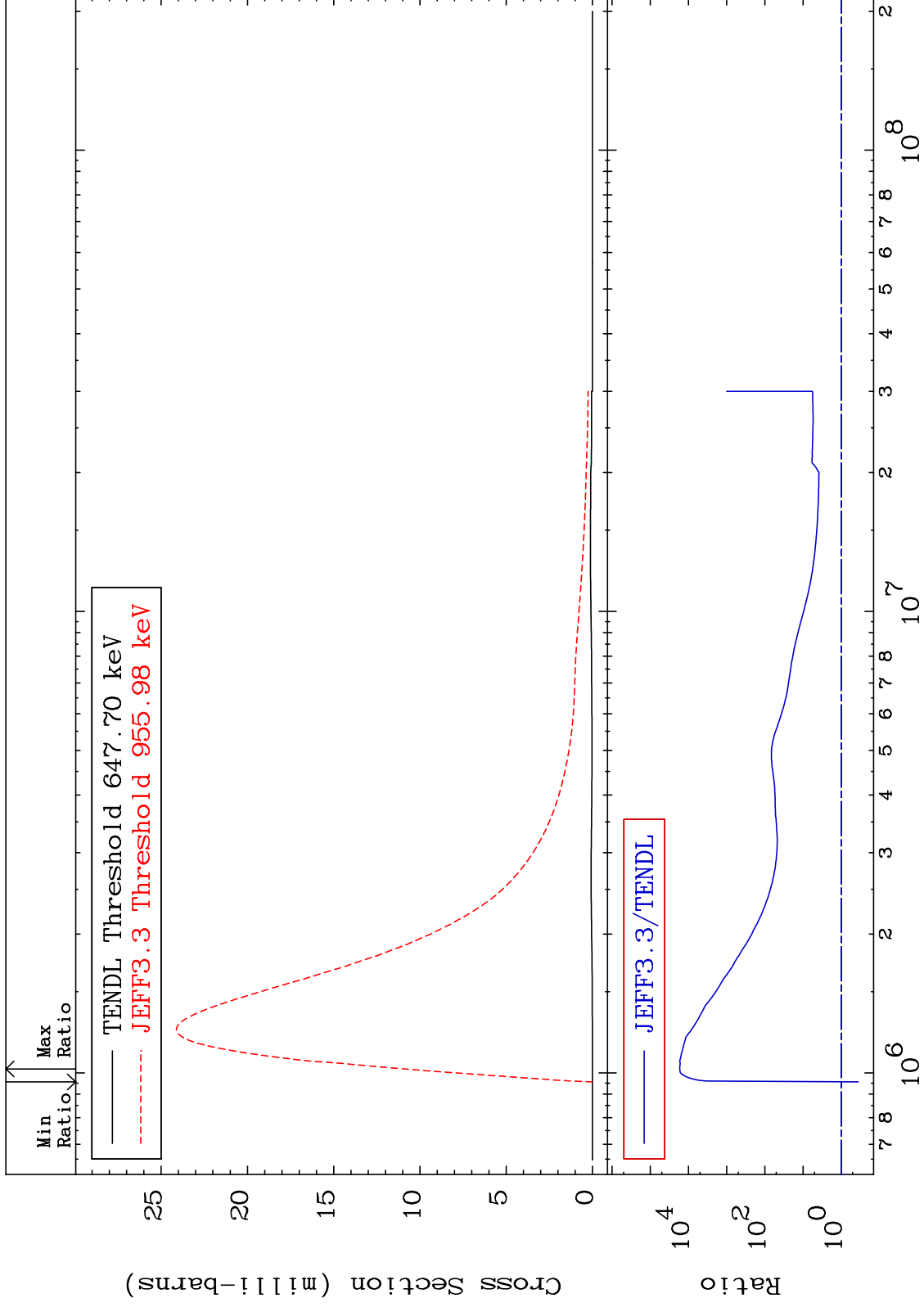
95-Am-241
-100.0 To 38.80 %



MAT 9543

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

95-Am-241
-64.47 To 9999. %



40

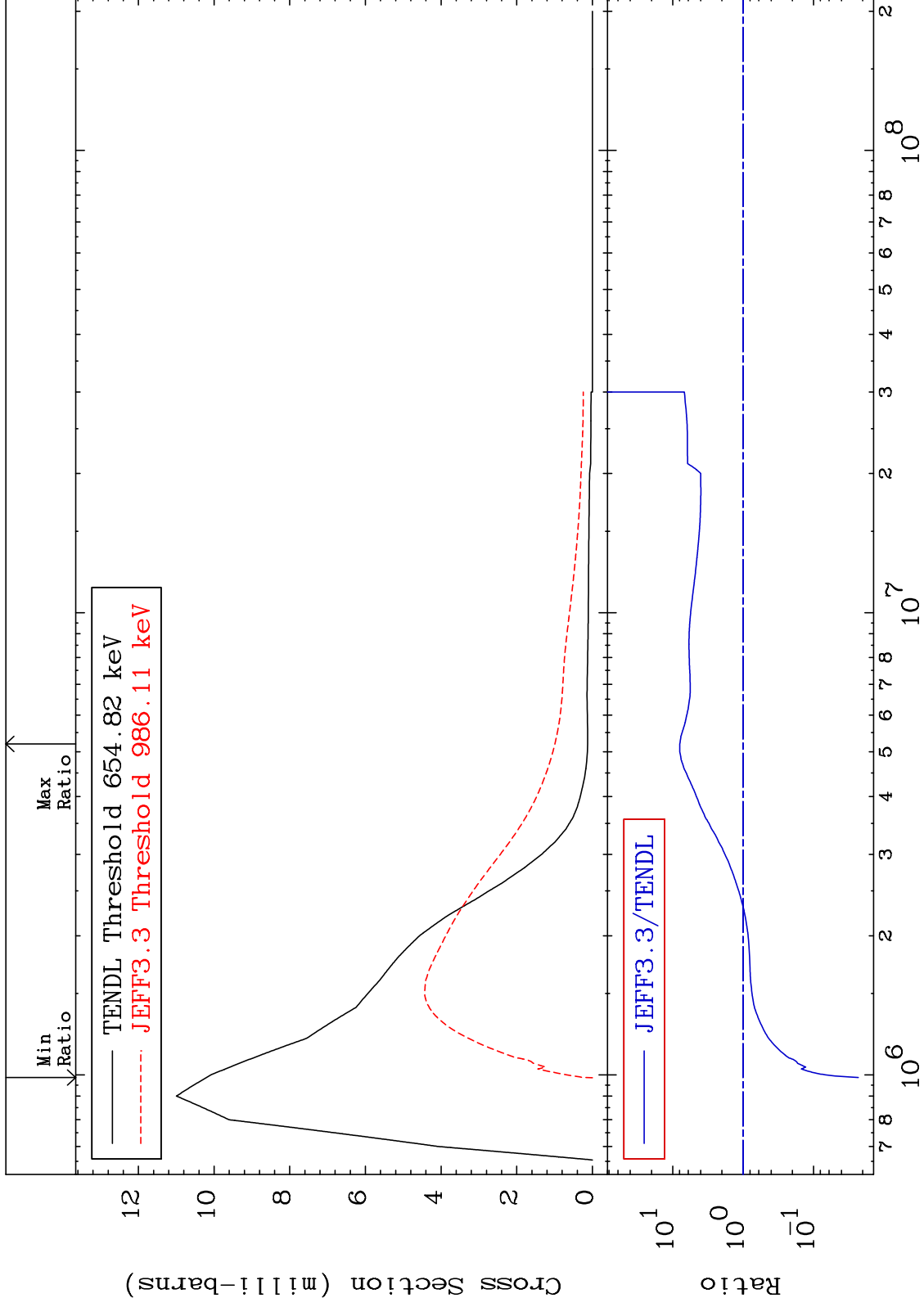
Incident Energy (eV)

95-Am-241

MAT 9543

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

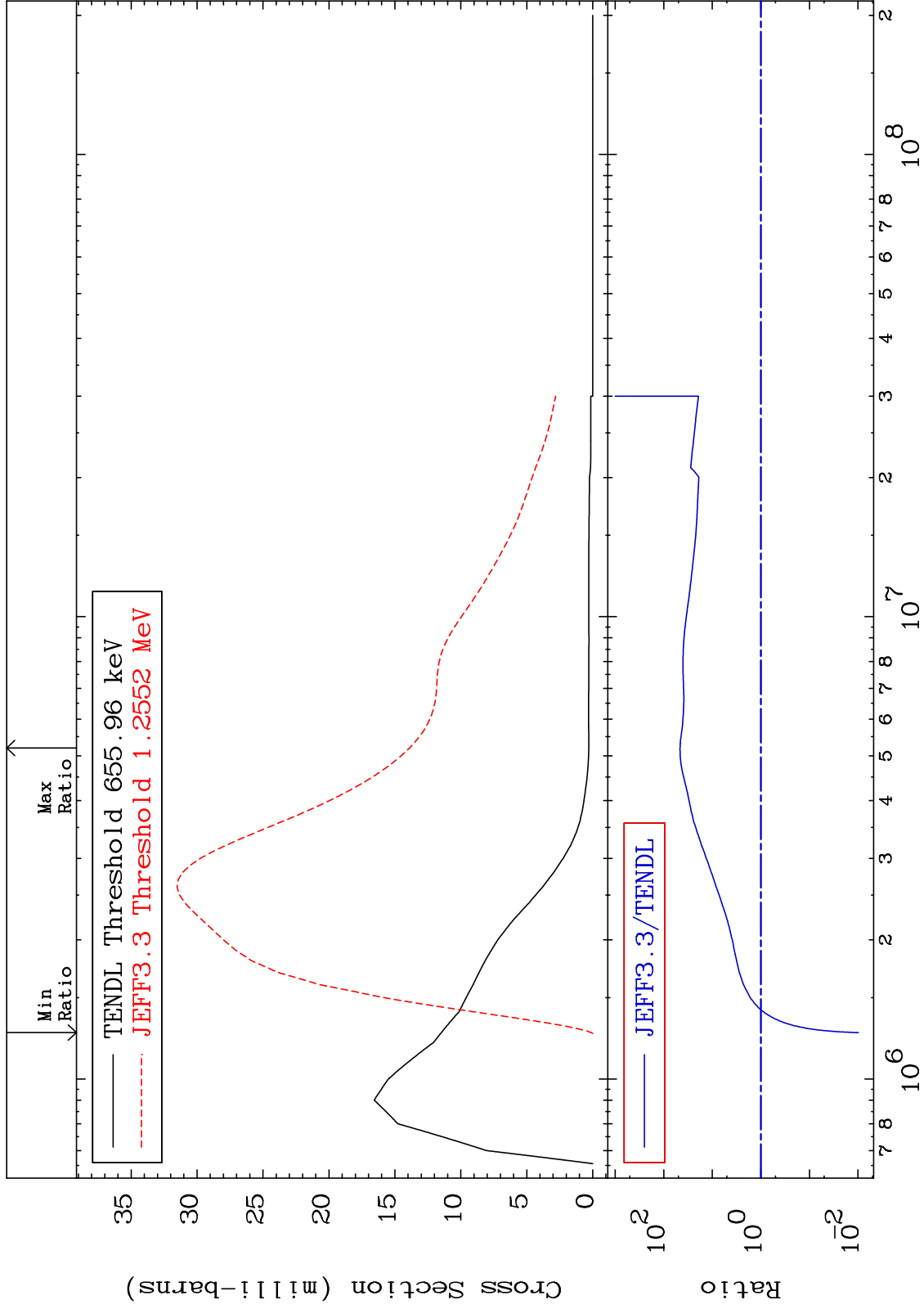
95-Am-241
-97.69 To 692.1 %



MAT 9543

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

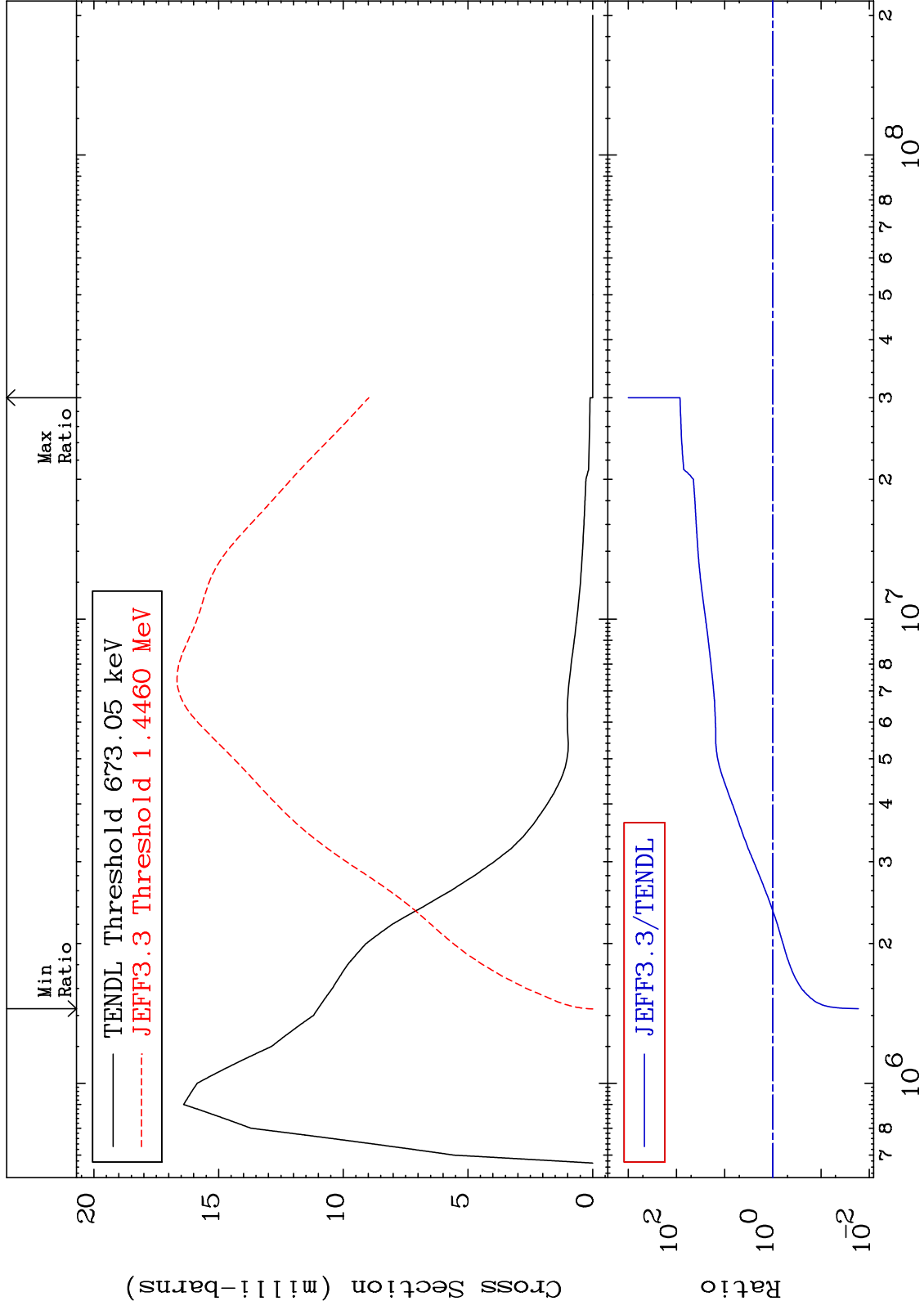
95-Am-241
-99.02 To 4524. %



MAT 9543

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

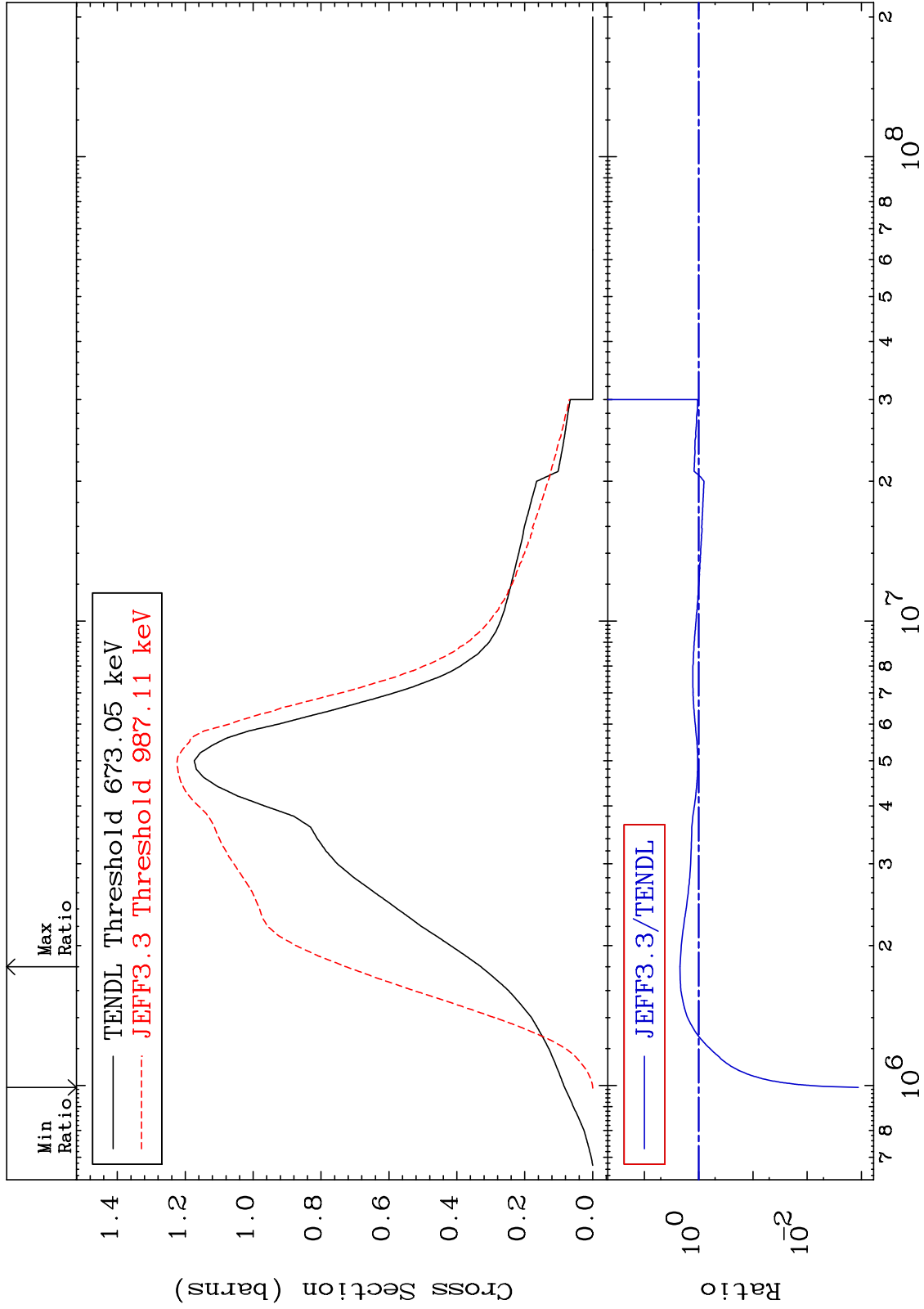
95-Am-241
-98.32 To 8360. %



MAT 9543

(n, n') Continuum
Cross Section

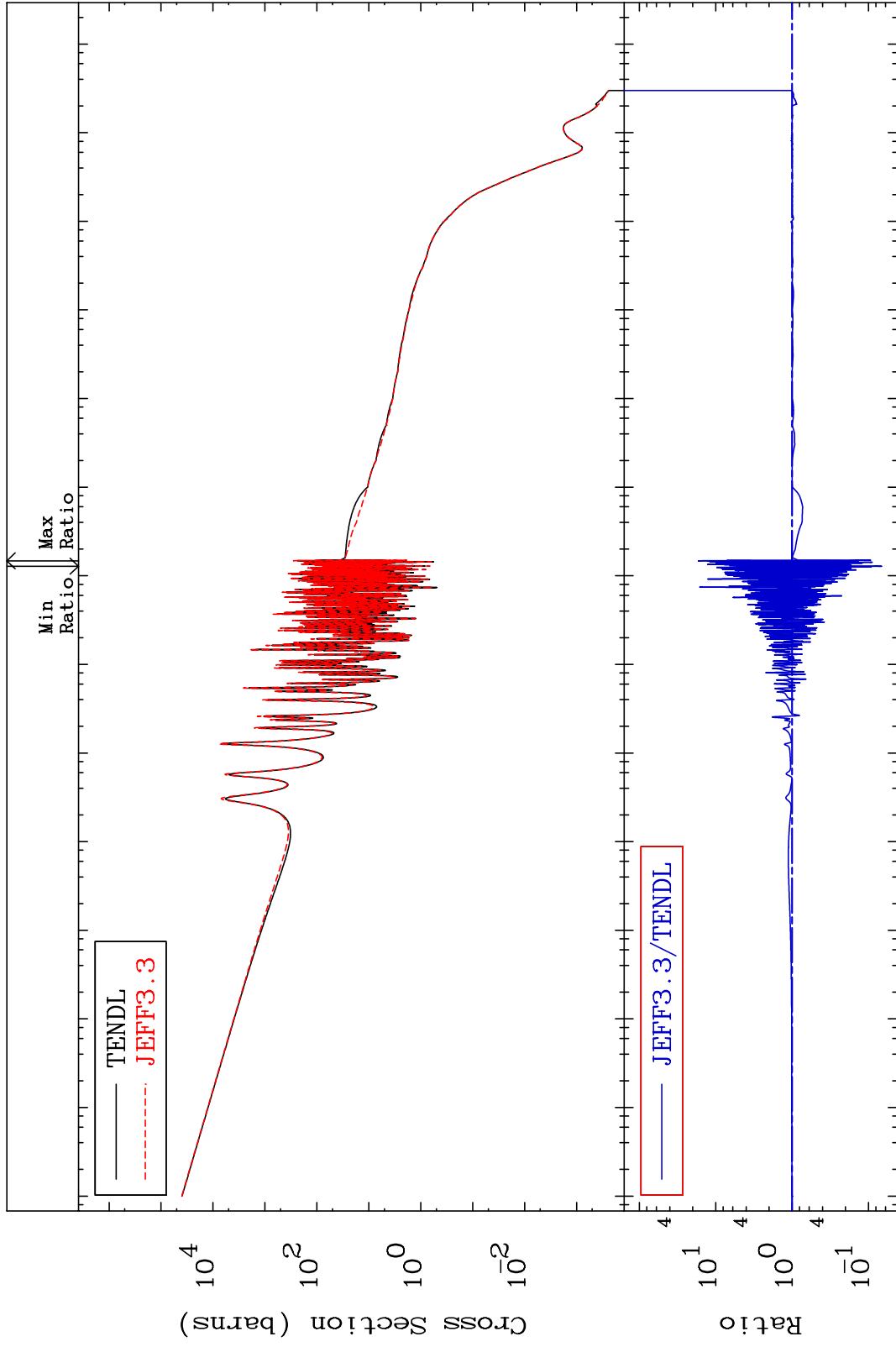
95-Am-241
-99.89 To 120.8 %



MAT 9543

(n, γ)
Cross Section

95-Am-241
-93.25 To 1591. %



45

Incident Energy (eV)

95-Am-241

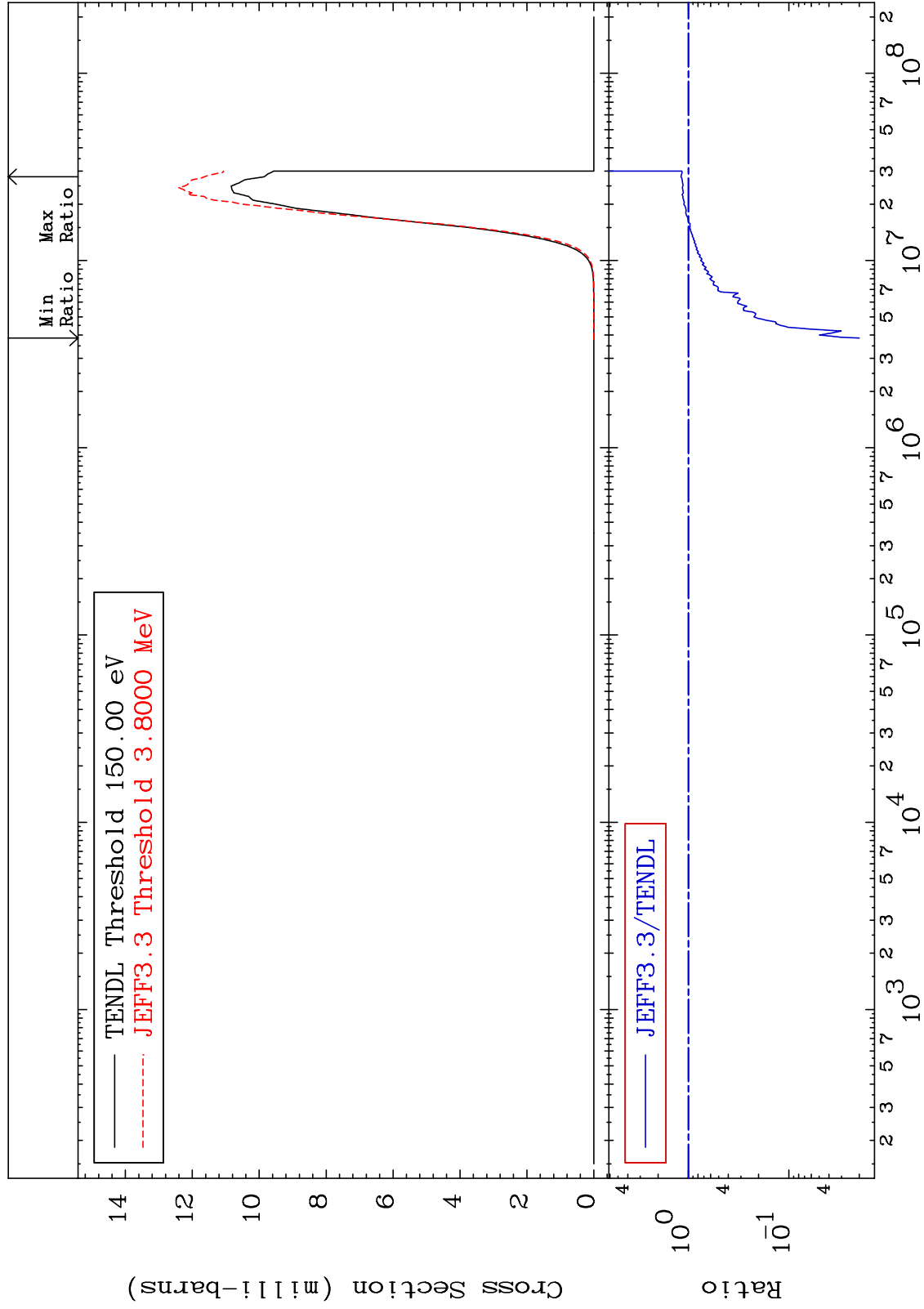
MAT 9543

(n, p)

95-Am-241

Cross Section

-98.00 To 18.03 %



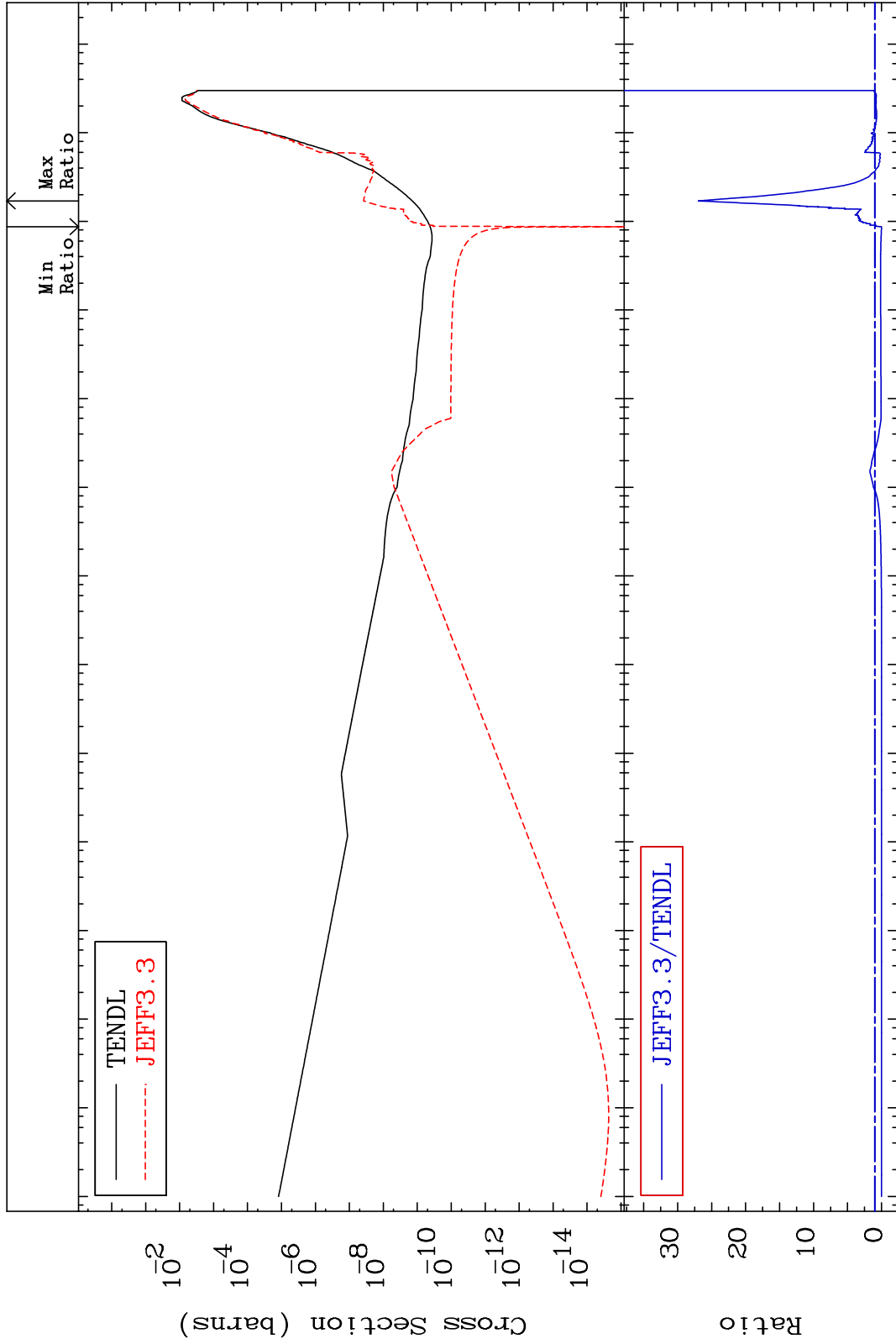
MAT 9543

(n, α)

95-Am-241

Cross Section

-100.0 To 2595. %



Incident Energy (eV)

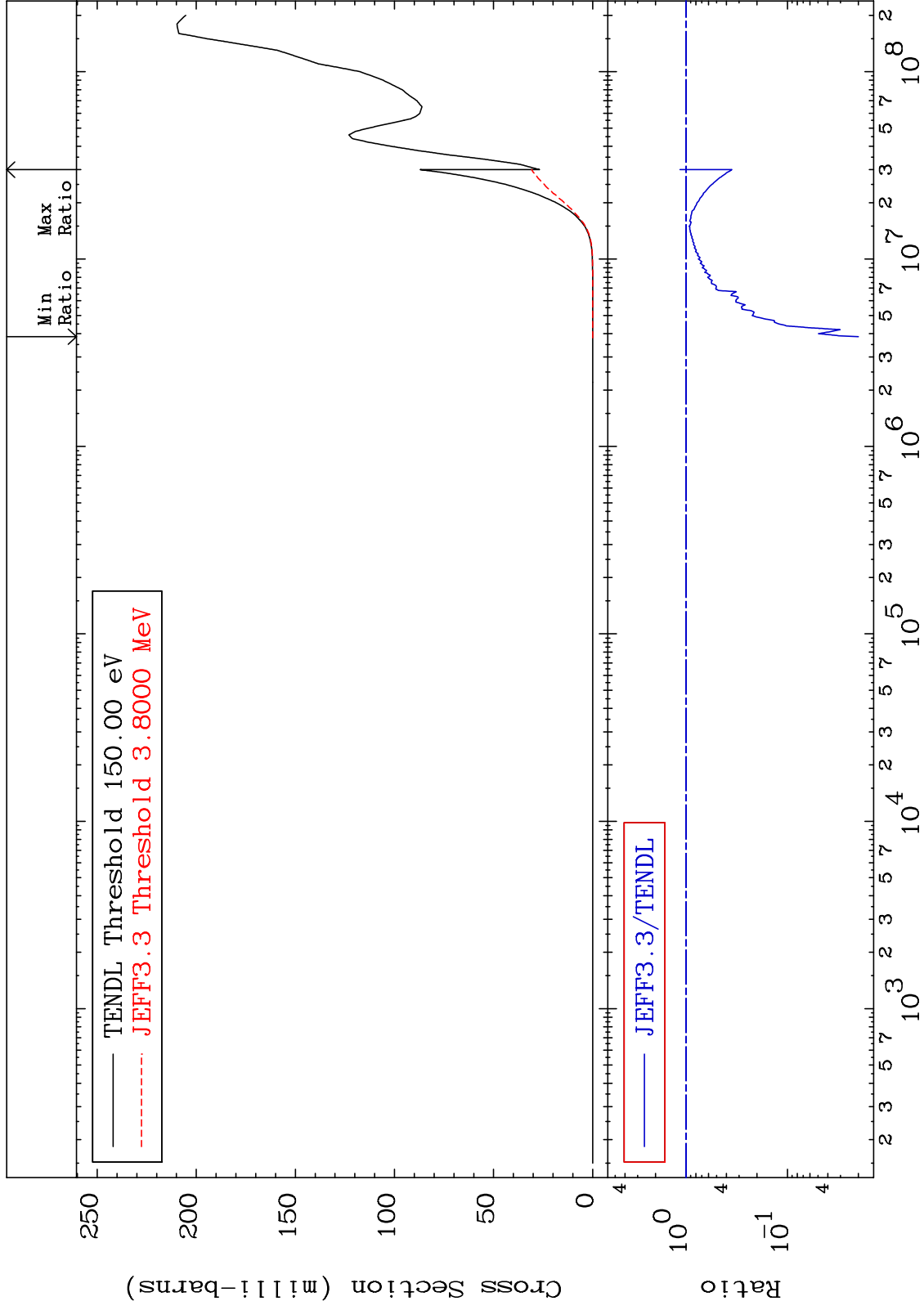
47

95-Am-241

MAT 9543

Hydrogen Production
Cross Section

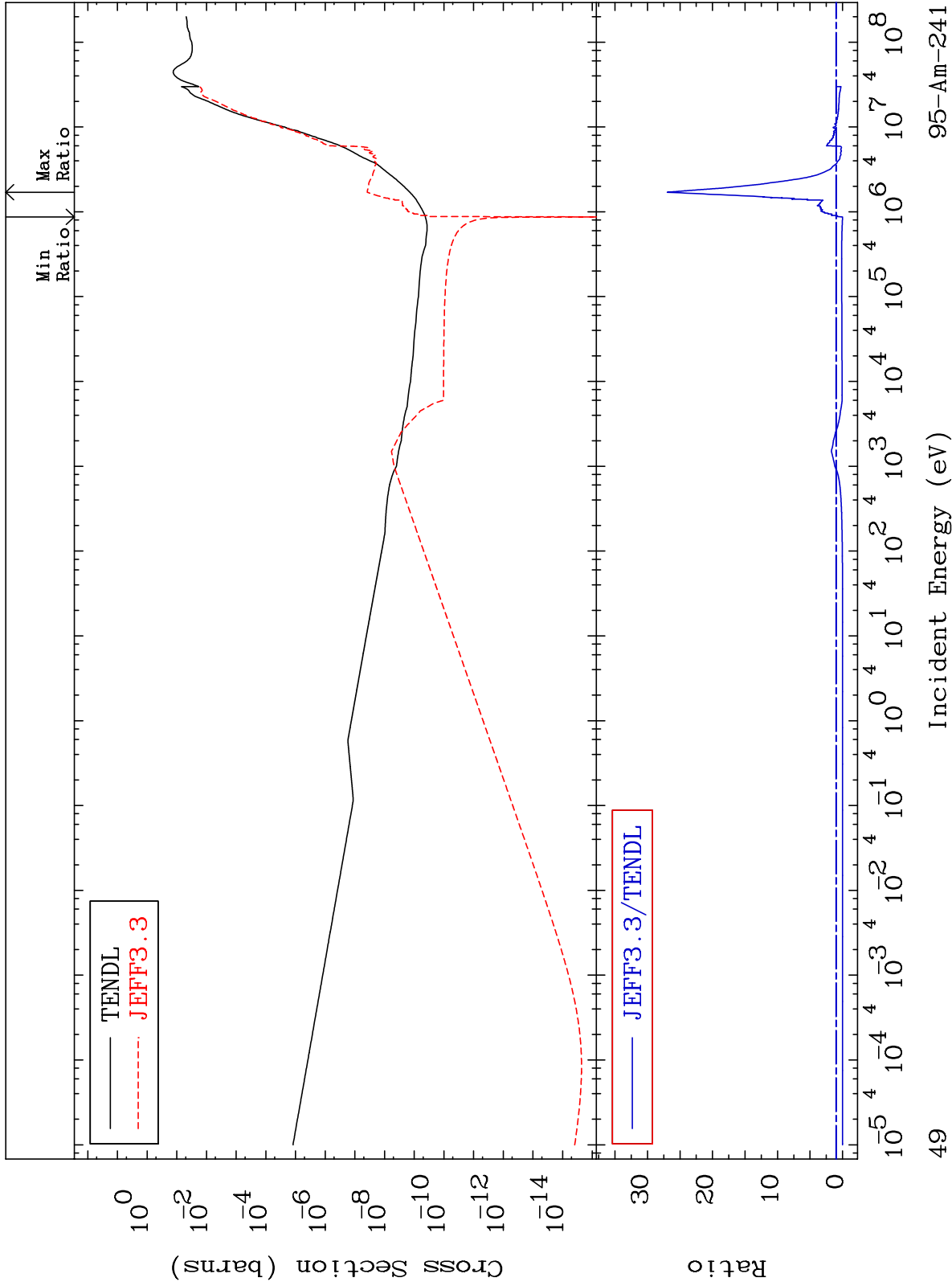
95-Am-241
-98.00 To 14.73 %



MAT 9543

He-4 Production
Cross Section

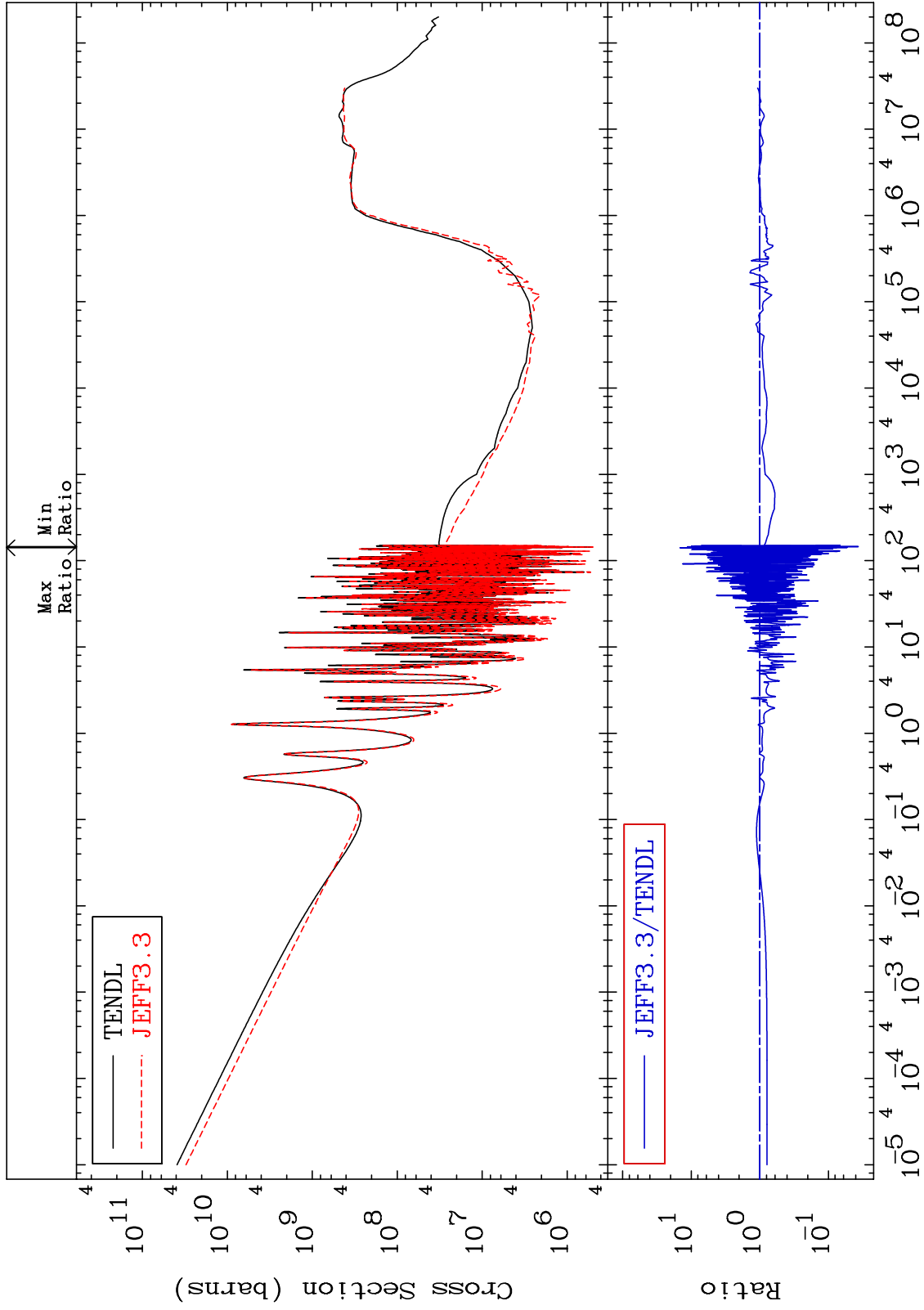
95-Am-241
-100.0 To 2595. %



MAT 9543

Kerma total (eV-barns)
Cross Section

95-Am-241
-96.35 To 1356. %



50

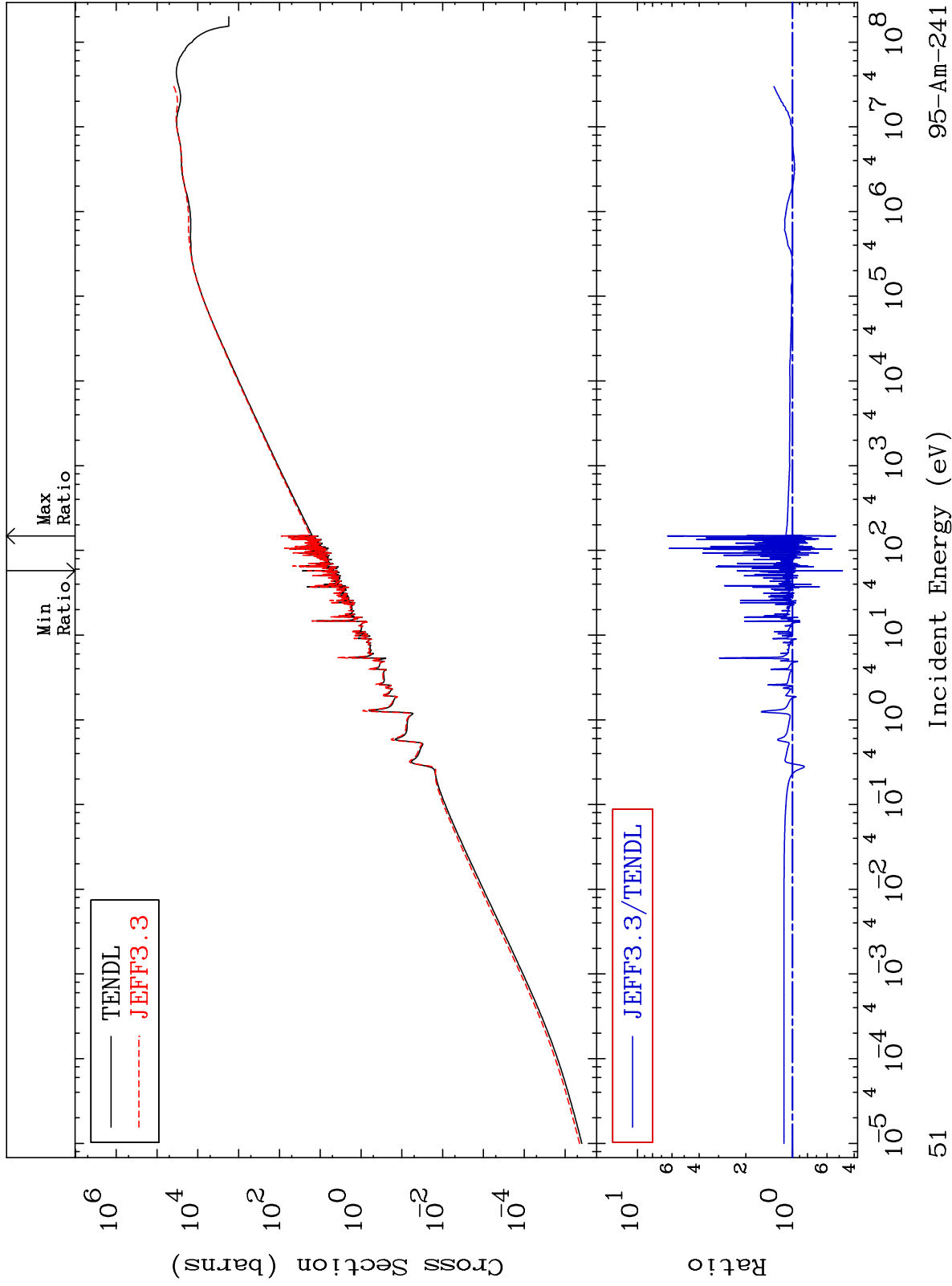
Incident Energy (eV)

95-Am-241

MAT 9543

Kerma elastic
Cross Section

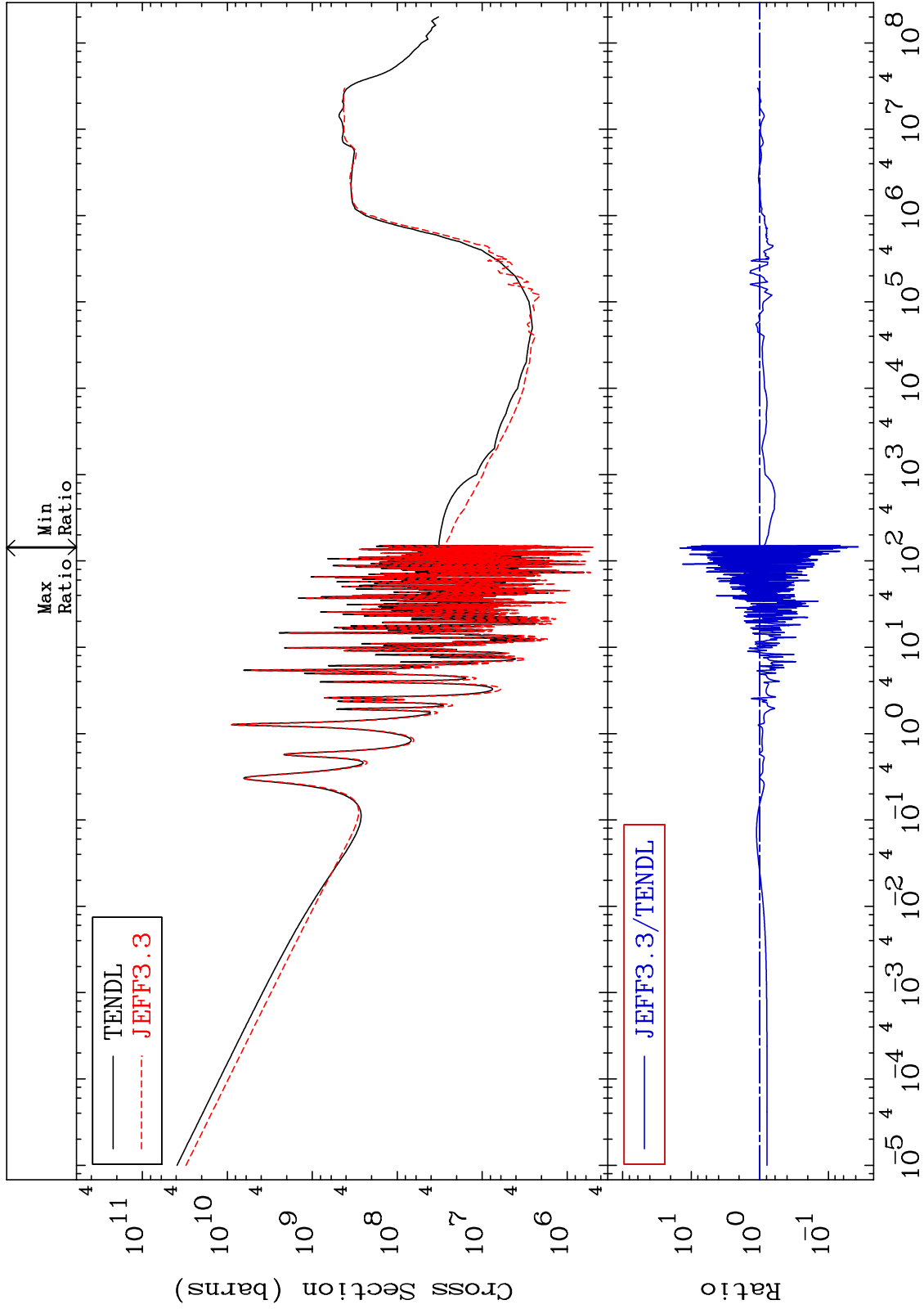
95-Am-241
-52.52 To 540.3 %



MAT 9543

Kerma non-elastic (all but mt2)
Cross Section

95-Am-241
-96.35 To 1356. %



52

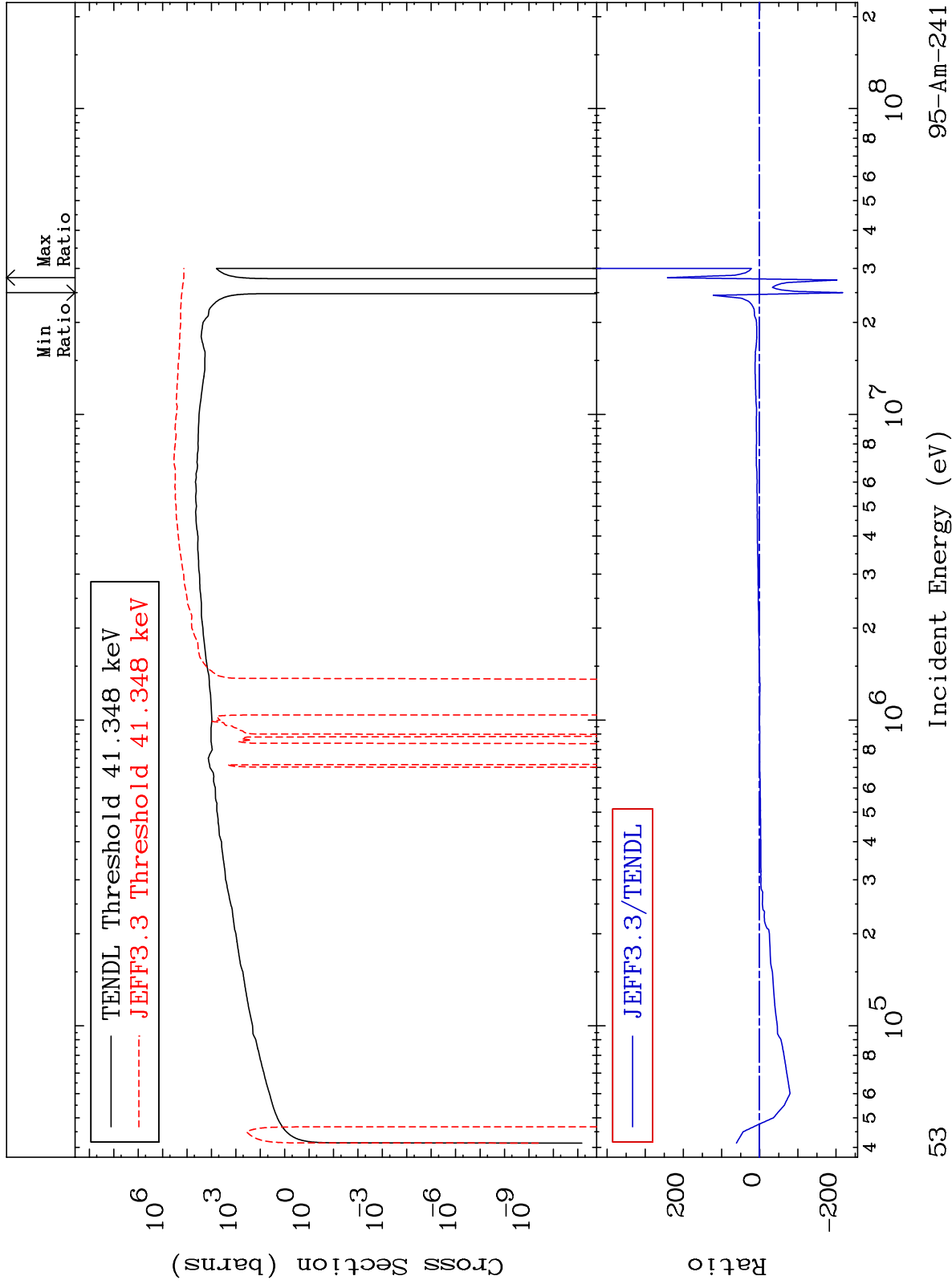
Incident Energy (eV)

95-Am-241

MAT 9543

Kerma inelastic (mt51-91)
Cross Section

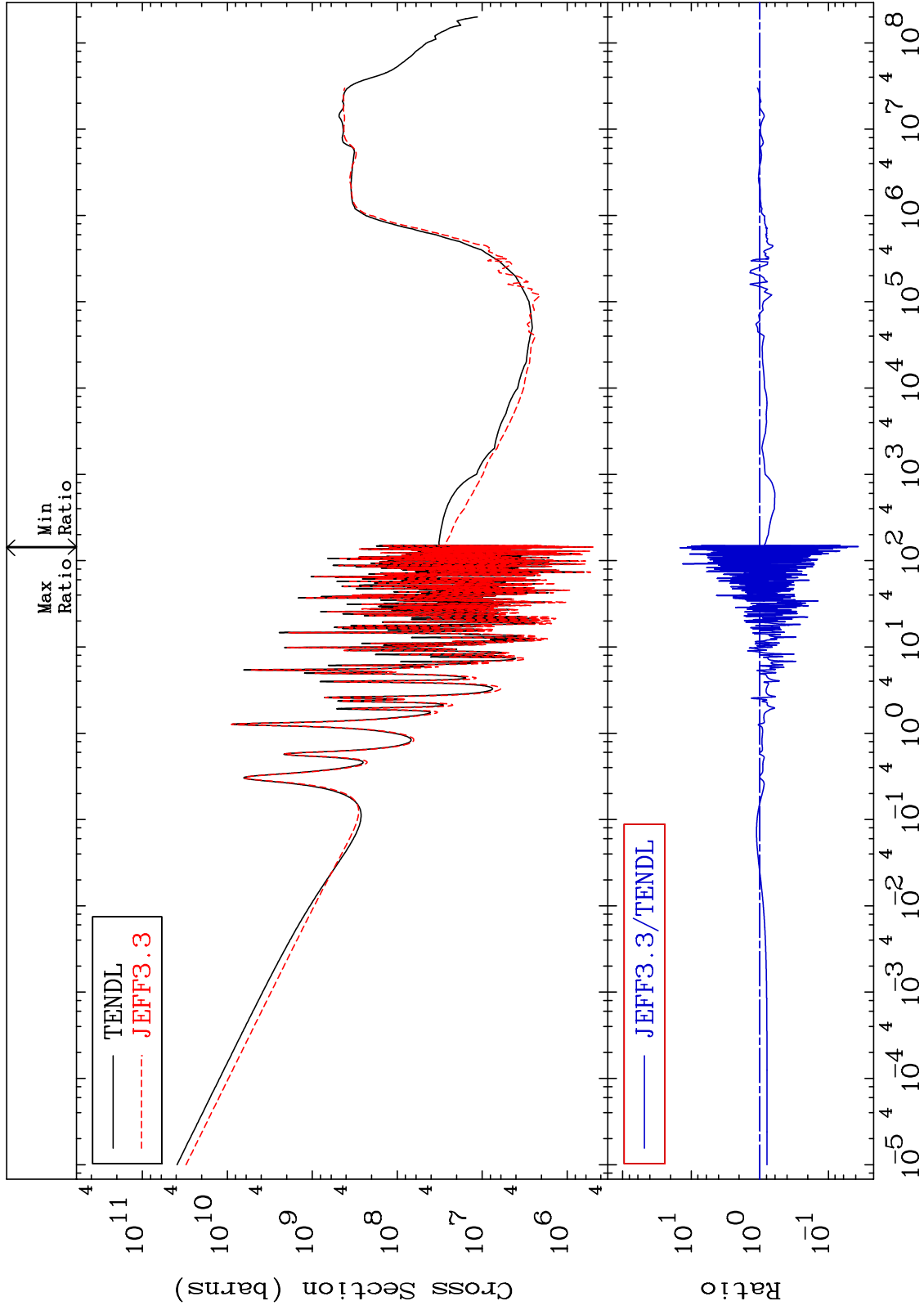
95-Am-241
-9999. To 9999. %



MAT 9543

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

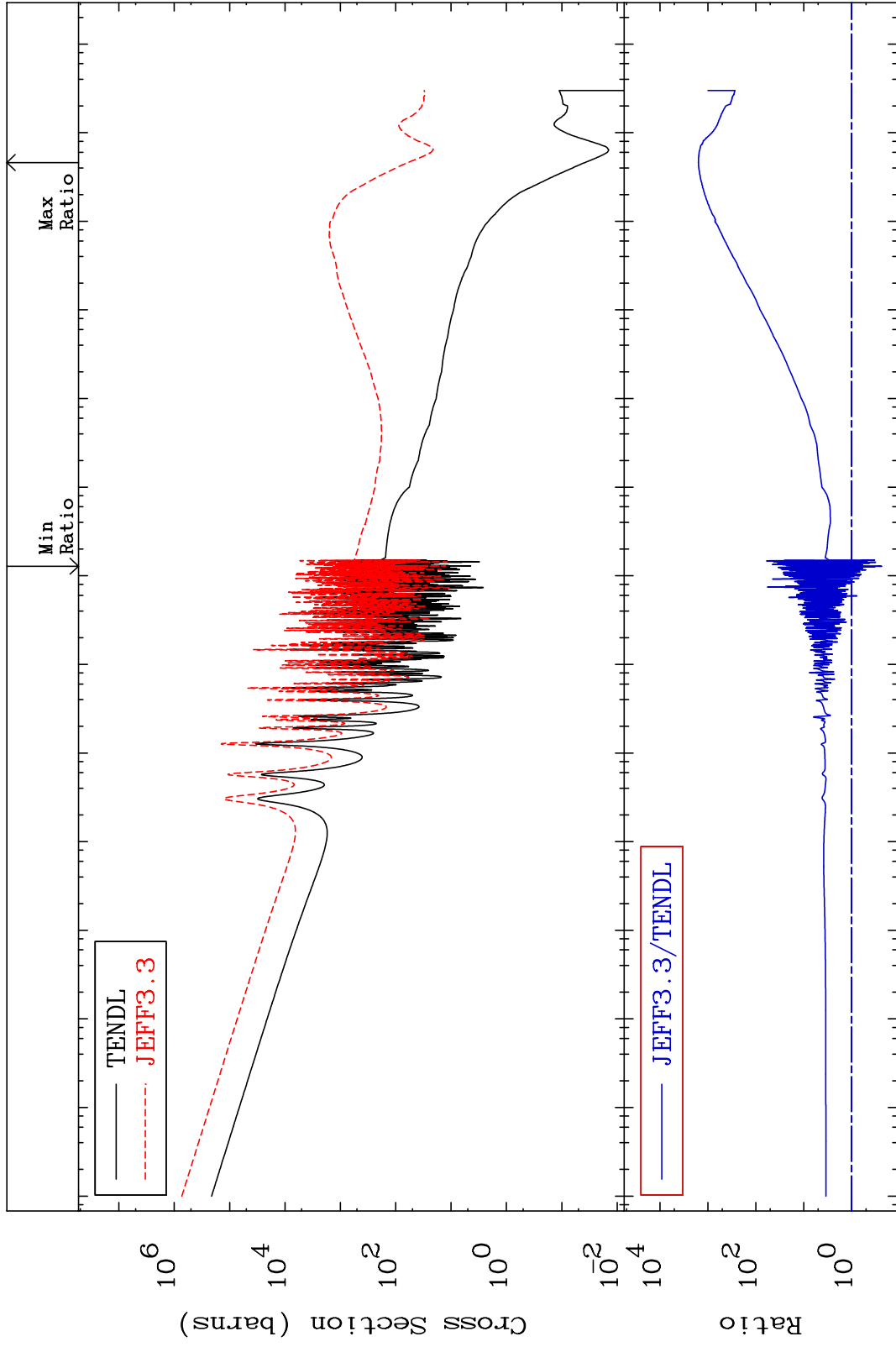
95-Am-241
-96.35 To 1356. %



MAT 9543

Kerma capture (mt102)
Cross Section

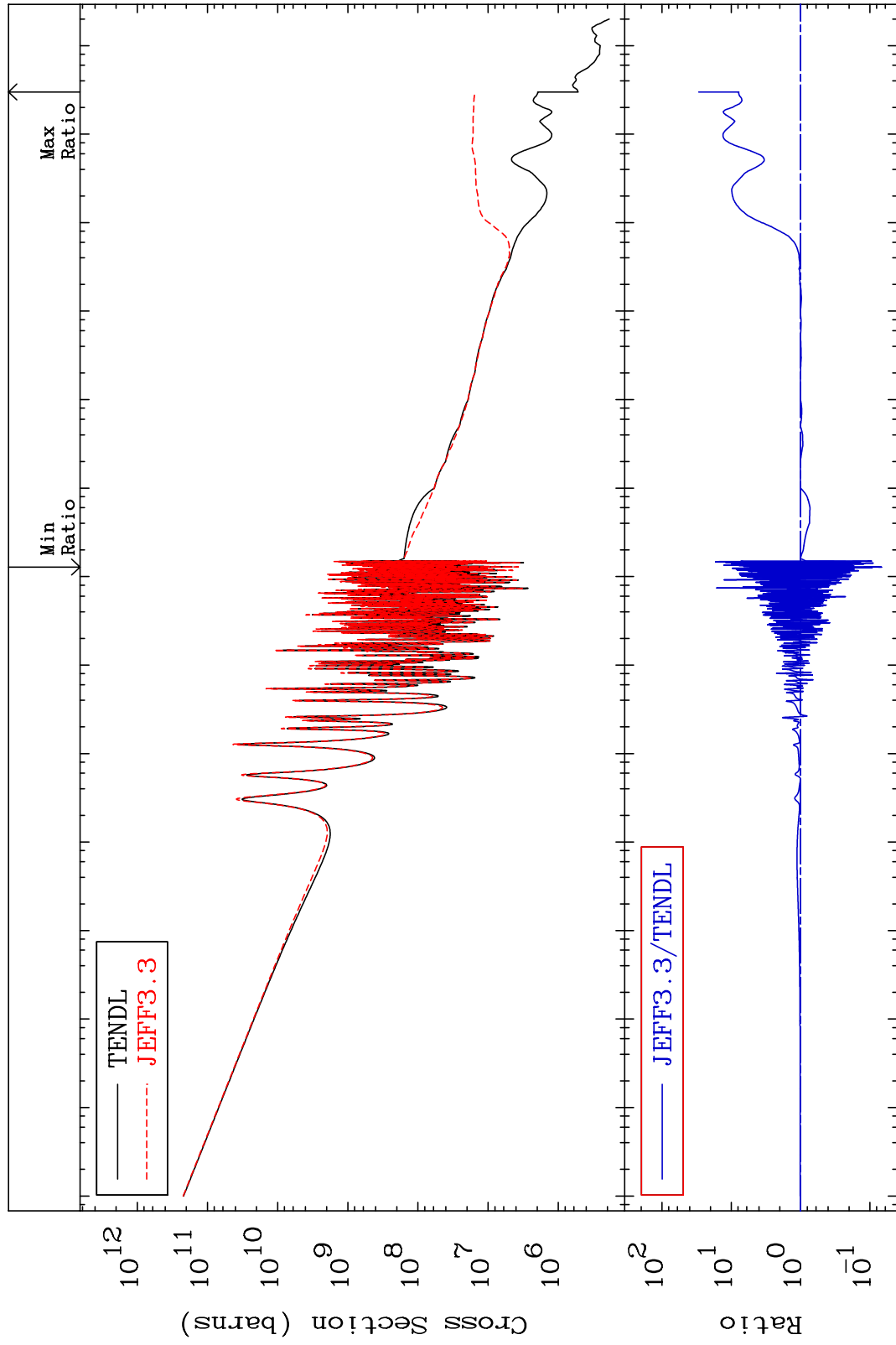
95-Am-241
-76.30 To 9999. %



MAT 9543

Total photon (eV-barns)
Cross Section

95-Am-241
-93.22 To 2857. %



56

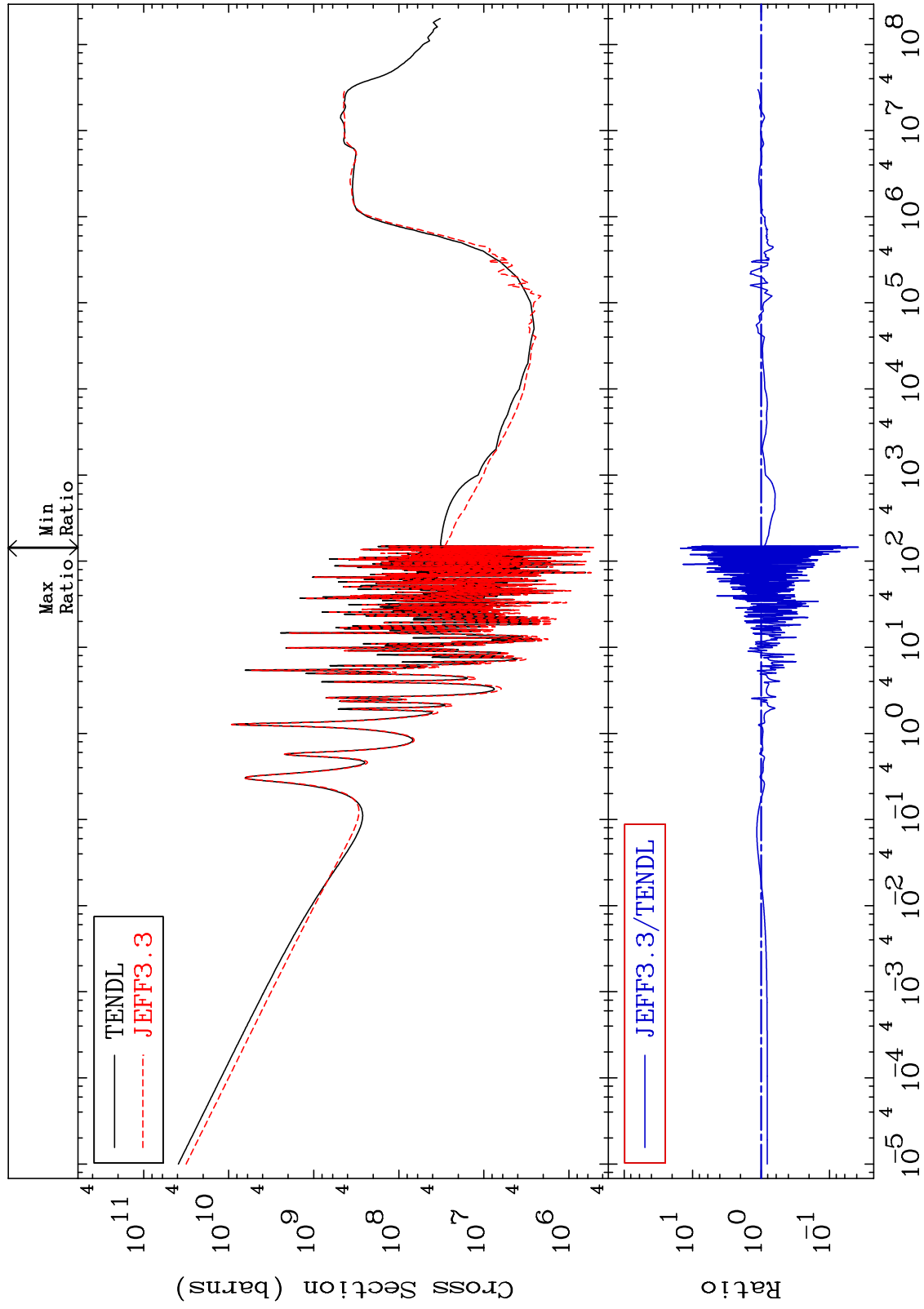
Incident Energy (eV)

95-Am-241

MAT 9543

Total kinematic kerma (high limit)
Cross Section

95-Am-241
-96.23 To 1407. %



57

Incident Energy (eV)

95-Am-241

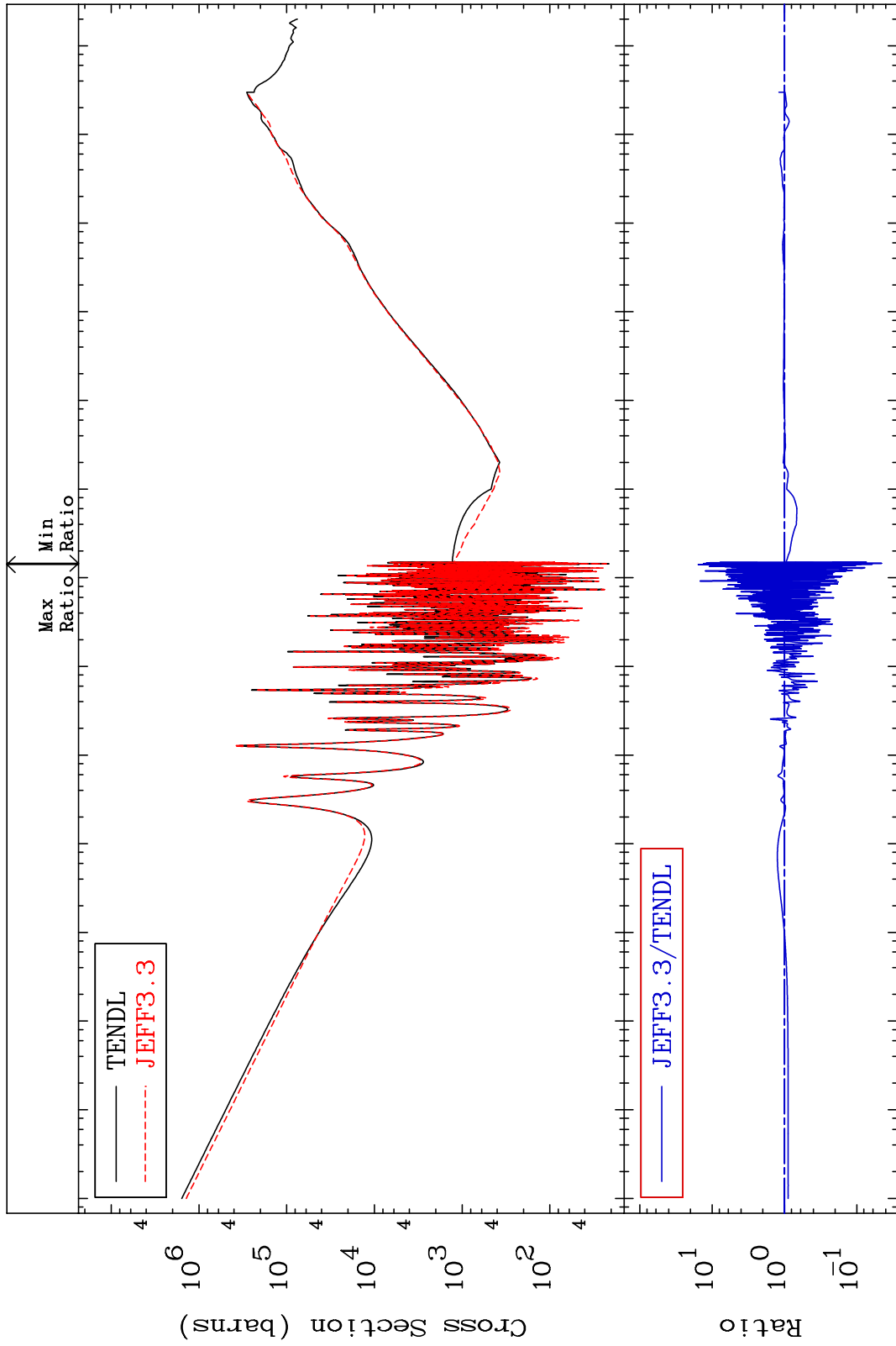
MAT 9543

Dpa total (eV-barns)

95-Am-241

-95.44 To 1456. %

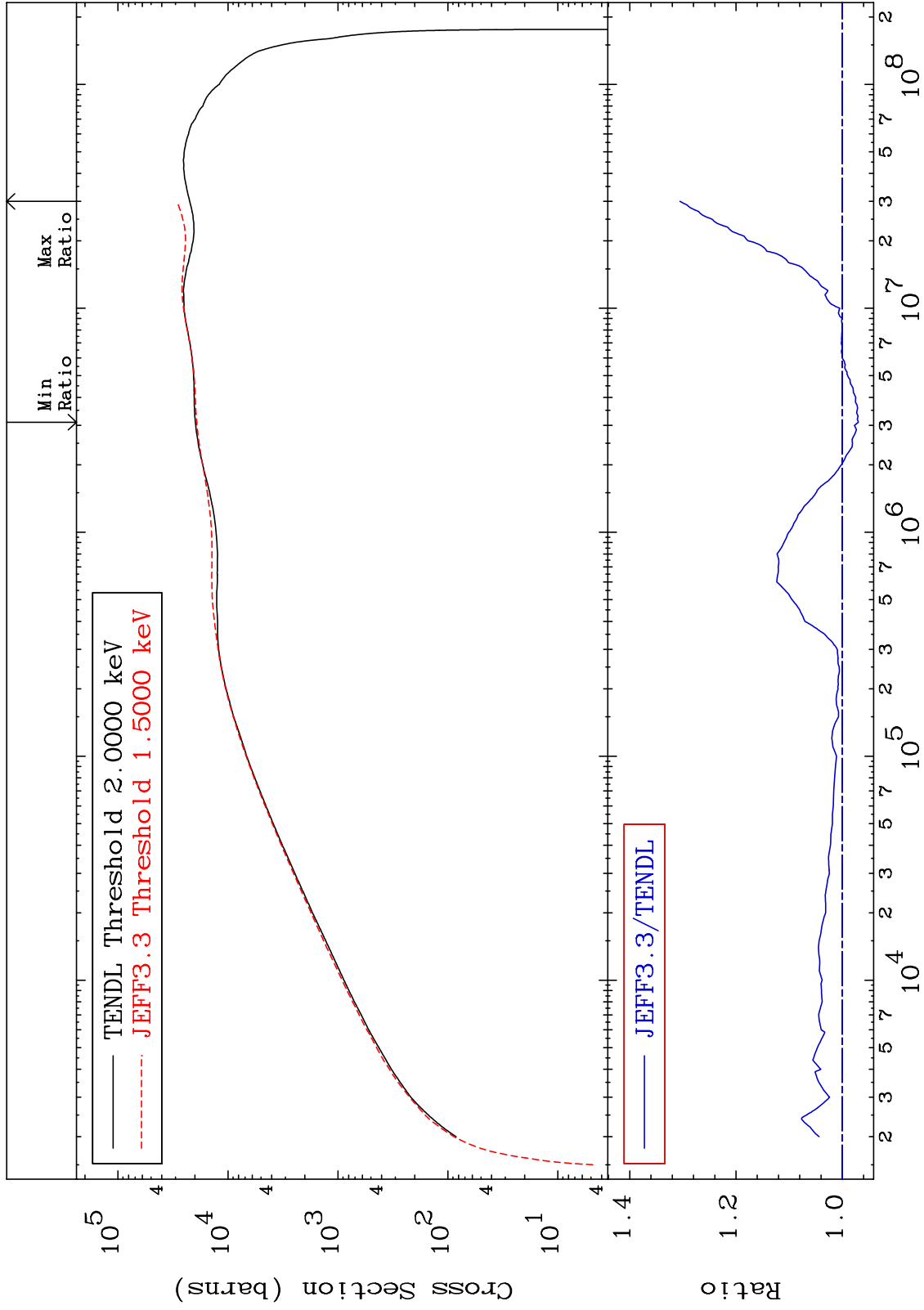
Cross Section



MAT 9543

Dpa elastic (mt2)
Cross Section

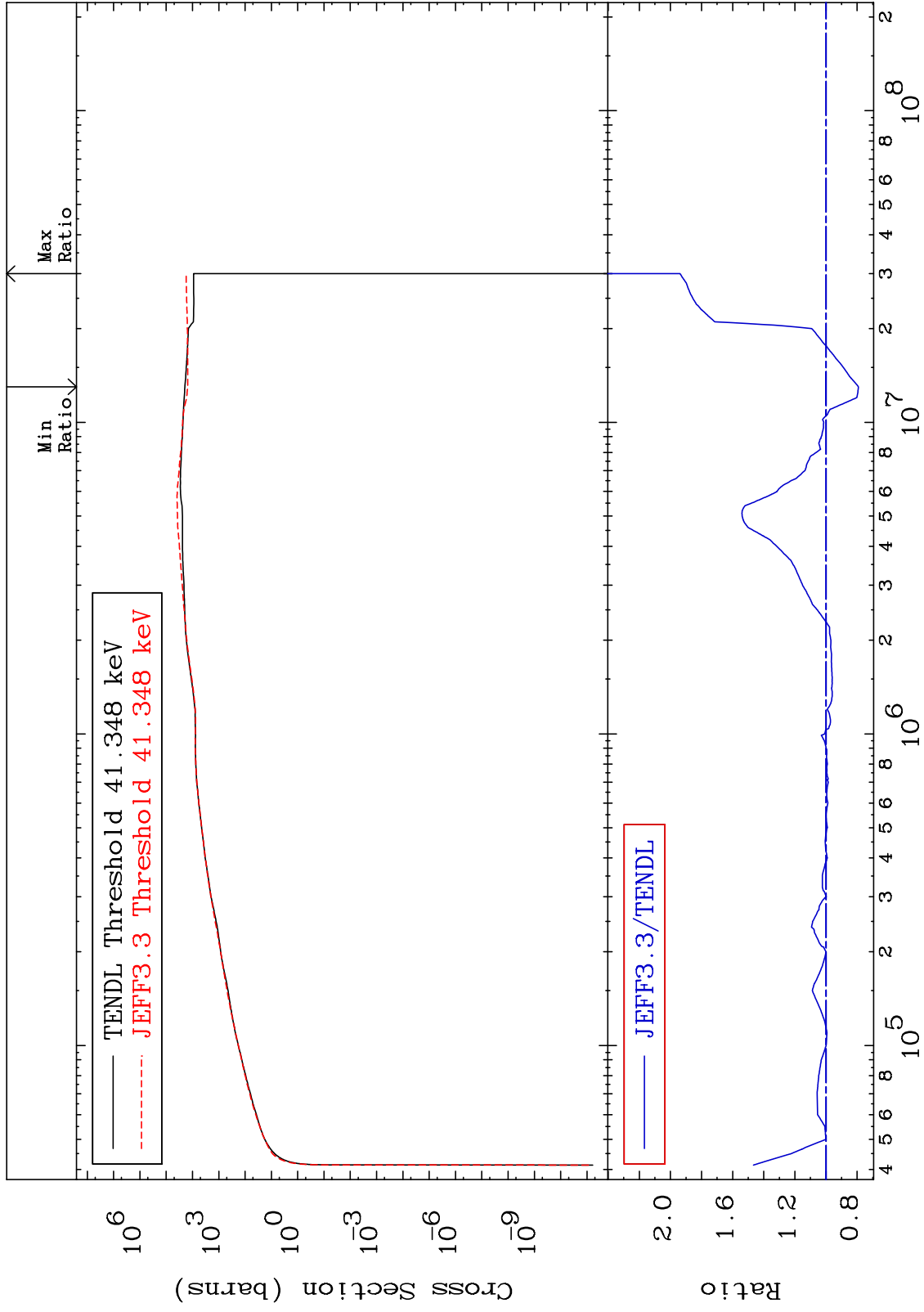
95-Am-241
-3.039 To 30.53 %



MAT 9543

Dpa inelastic (mt51-91)
Cross Section

95-Am-241
-20.83 To 93.85 %



60

Incident Energy (eV)

95-Am-241

MAT 9543

Dpa disappearance (mt102 -120)

95-Am-241

-75.14 To 6128. %

Cross Section

