

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

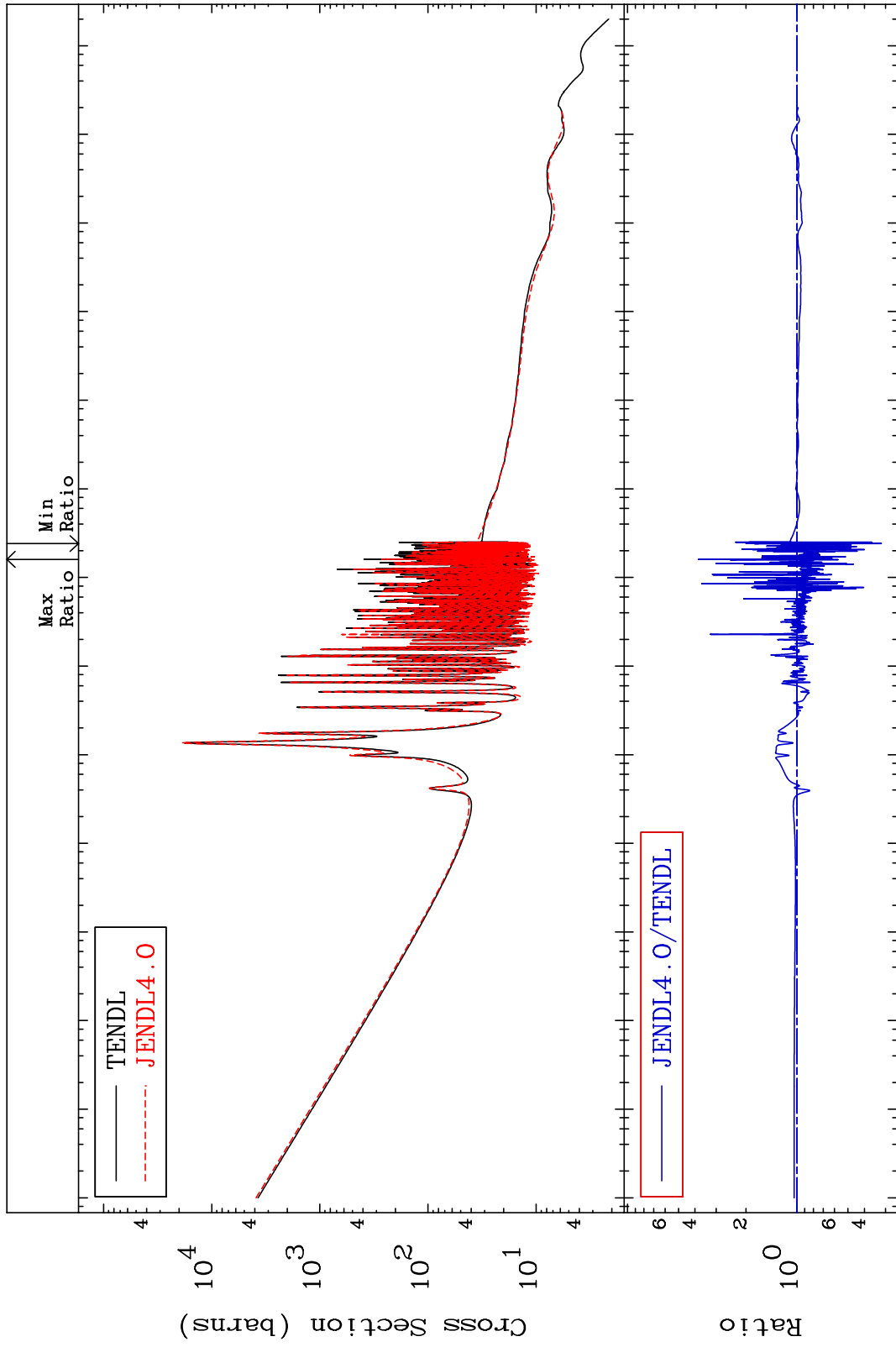
MAT 9549

Total

95-Am-243

Cross Section

-68.31 To 282.0 %



Incident Energy (eV)

95-Am-243

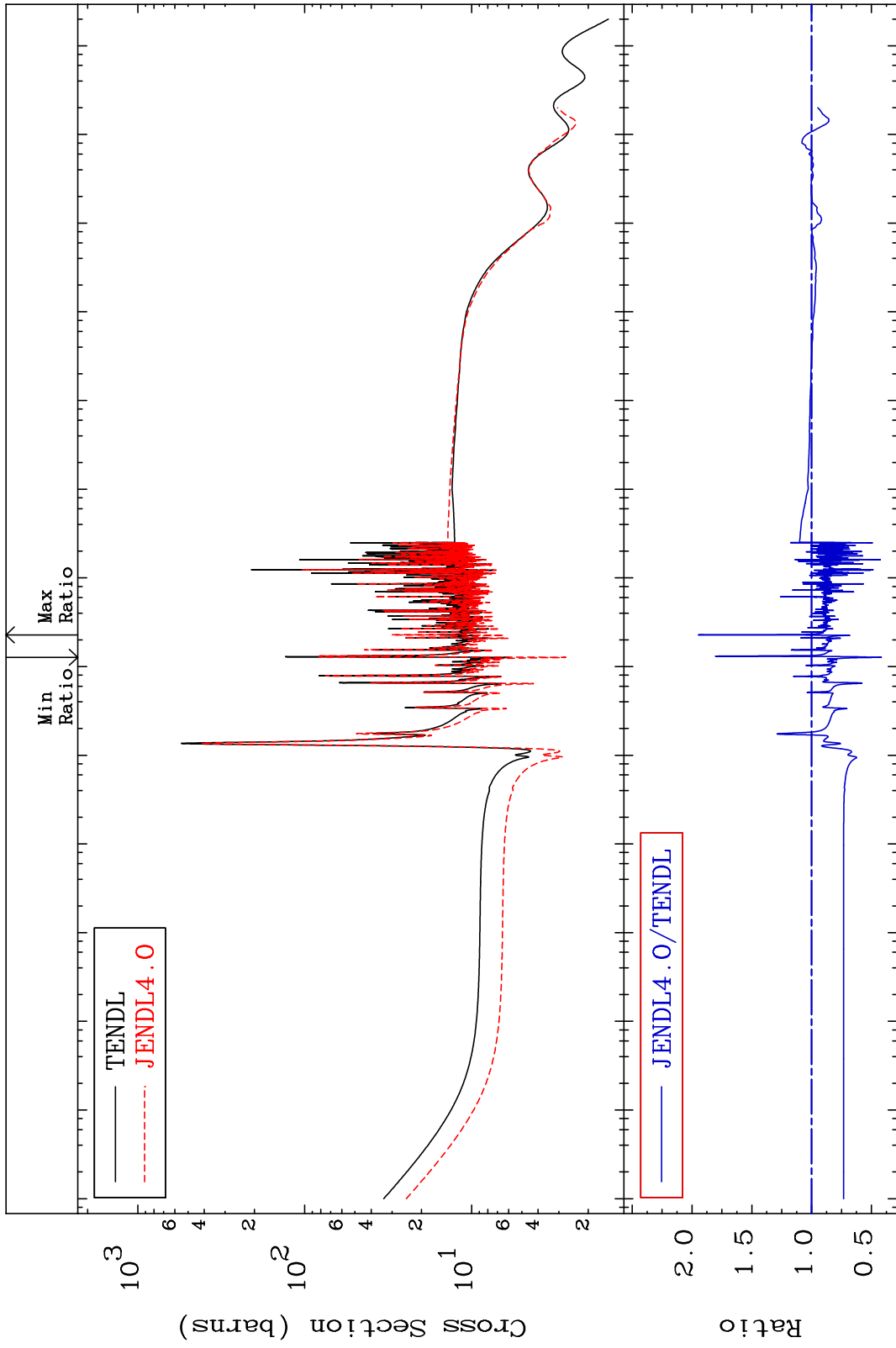
MAT 9549

Elastic

95-Am-243

Cross Section

-58.45 To 94.84 %



Incident Energy (eV)

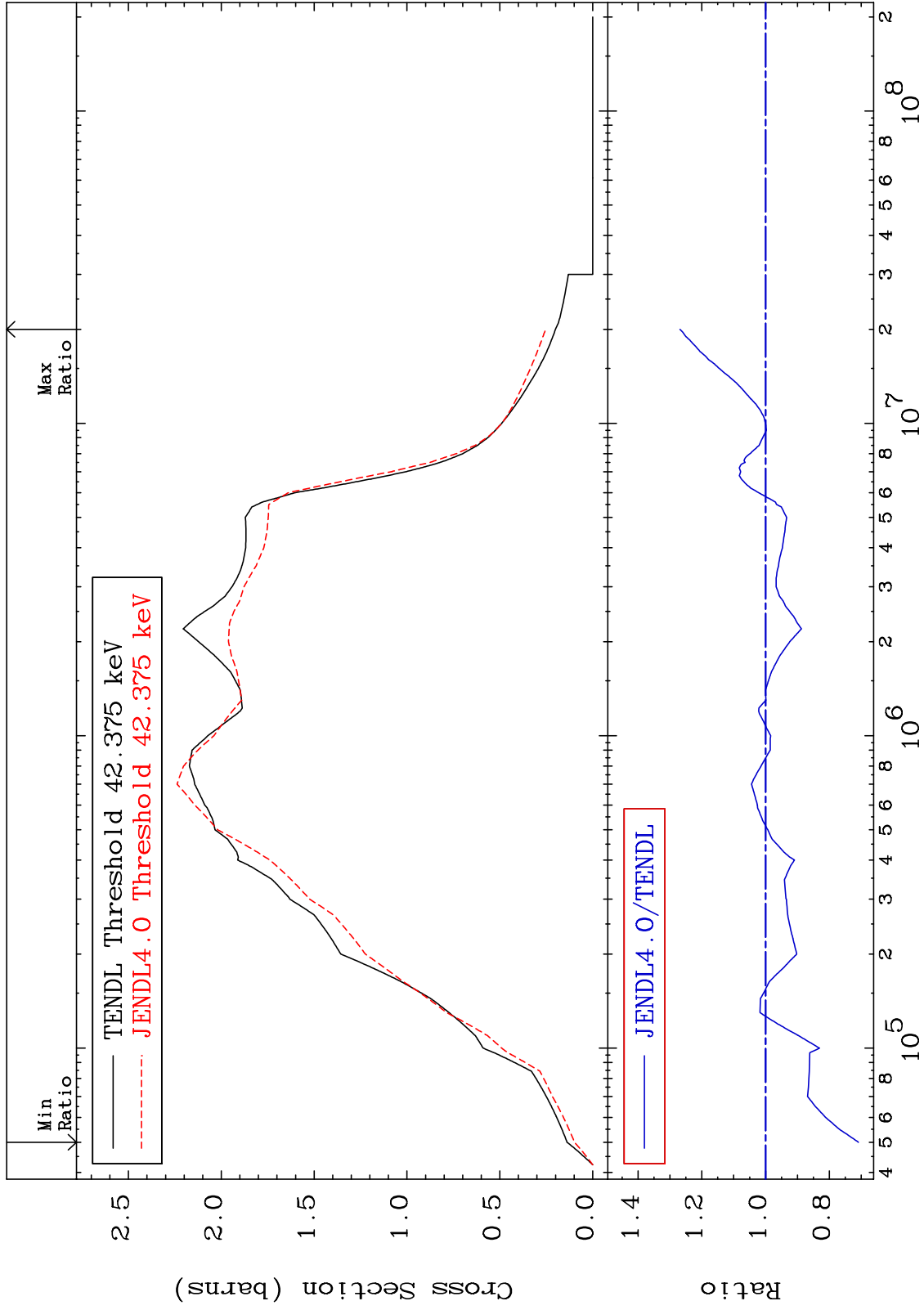
95-Am-243

2

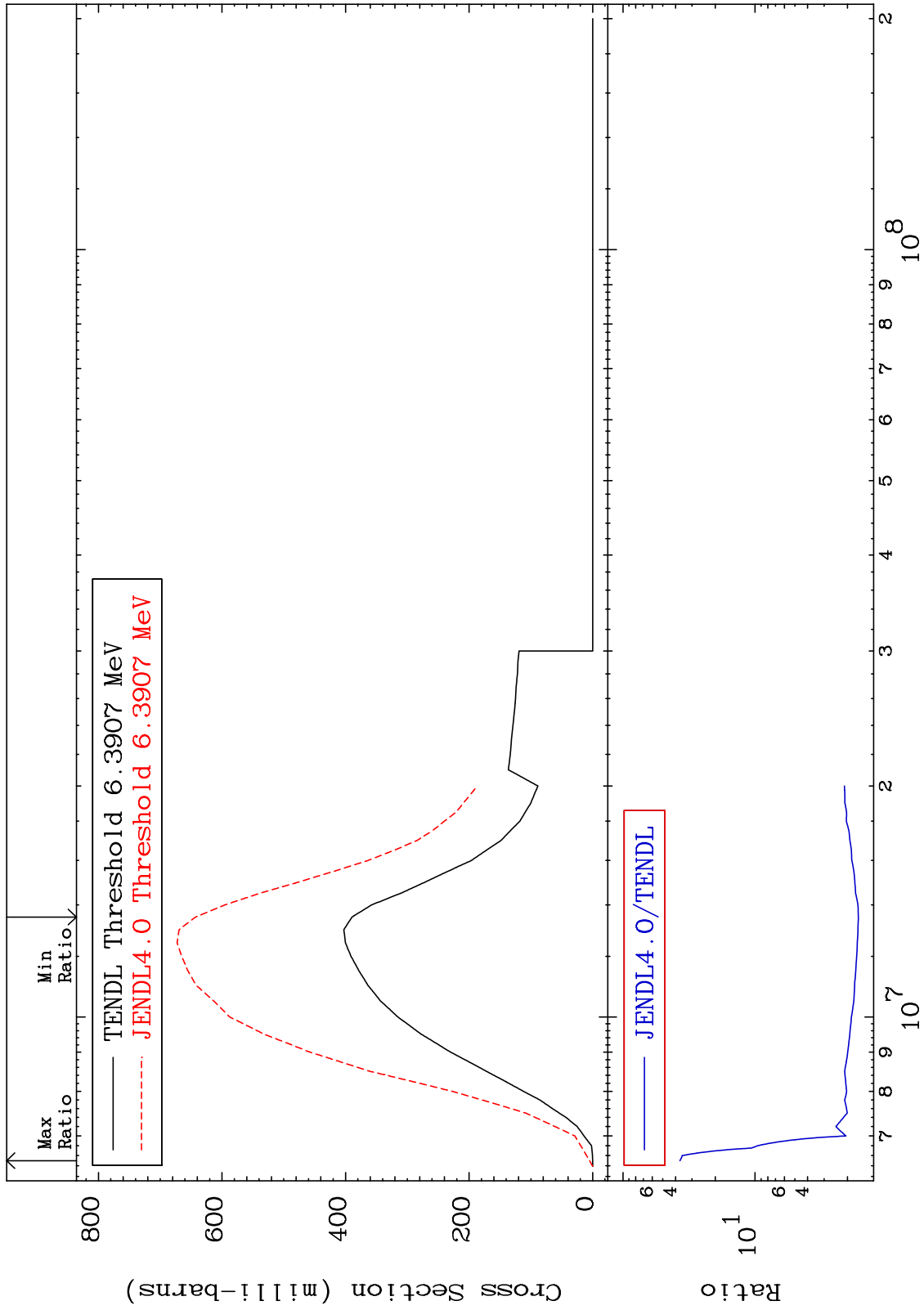
MAT 9549

Inelastic
Cross Section

95-Am-243
-29.10 To 26.83 %



MAT 9549 (n,2n) Cross Section 95-Am-243 To 3597. %
65.02



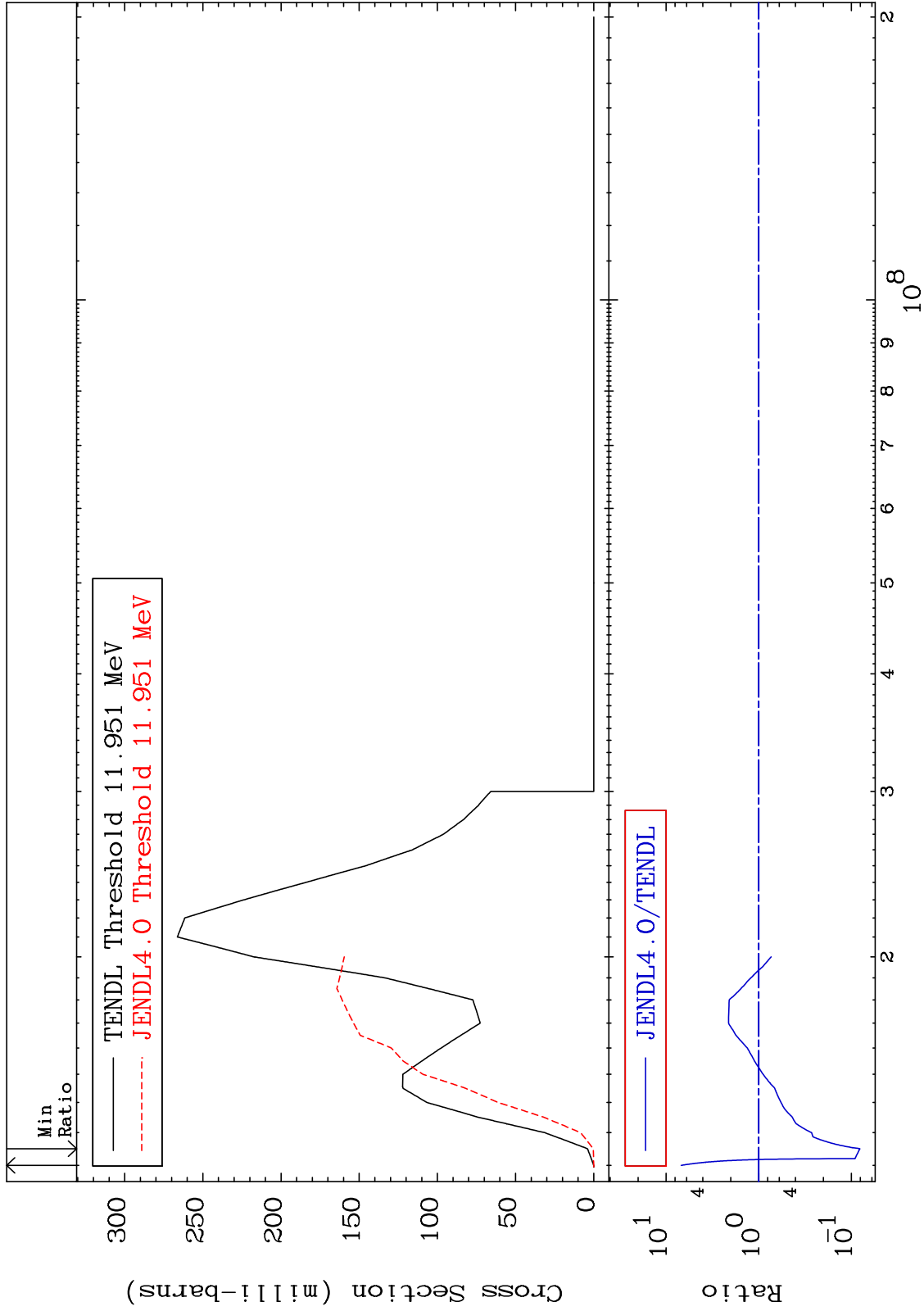
MAT 9549

(n, 3n)

95-Am-243

Cross Section

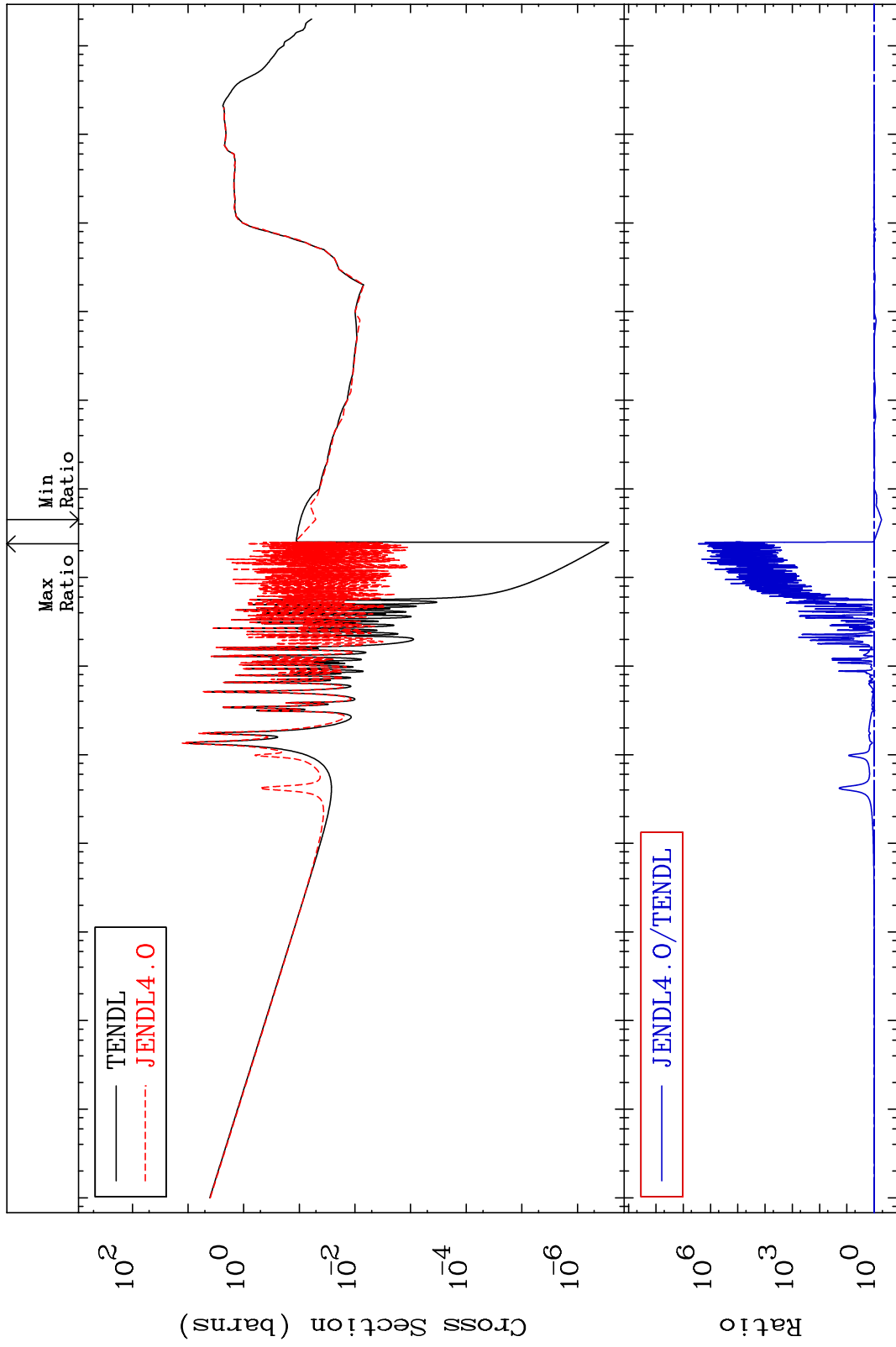
-91.94 To 584.8 %



MAT 9549

Fission Cross Section

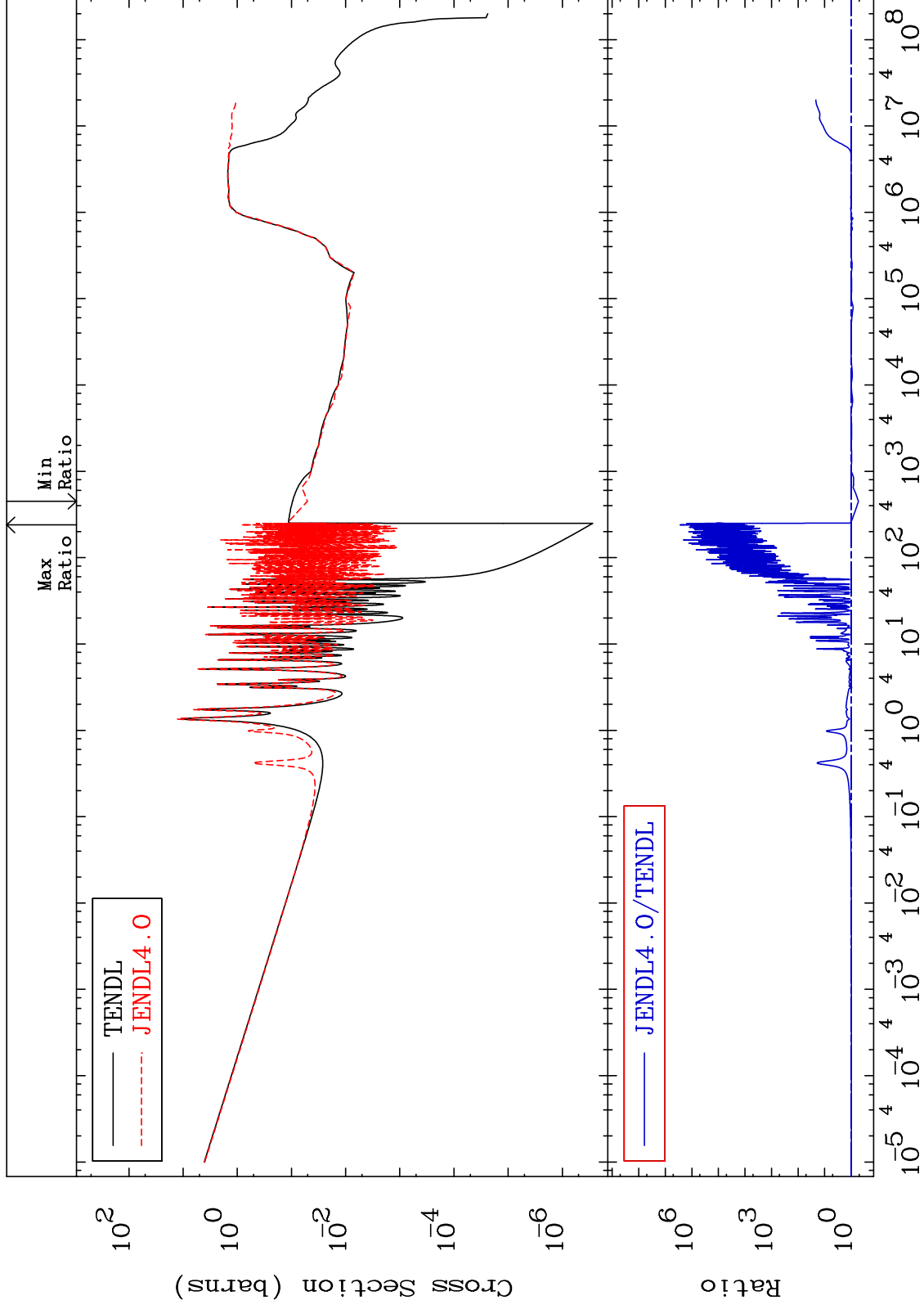
95-Am-243
-46.64 To 9999. %



MAT 9549

(n,f) First Chance
Cross Section

95-Am-243
-46.64 To 9999. %



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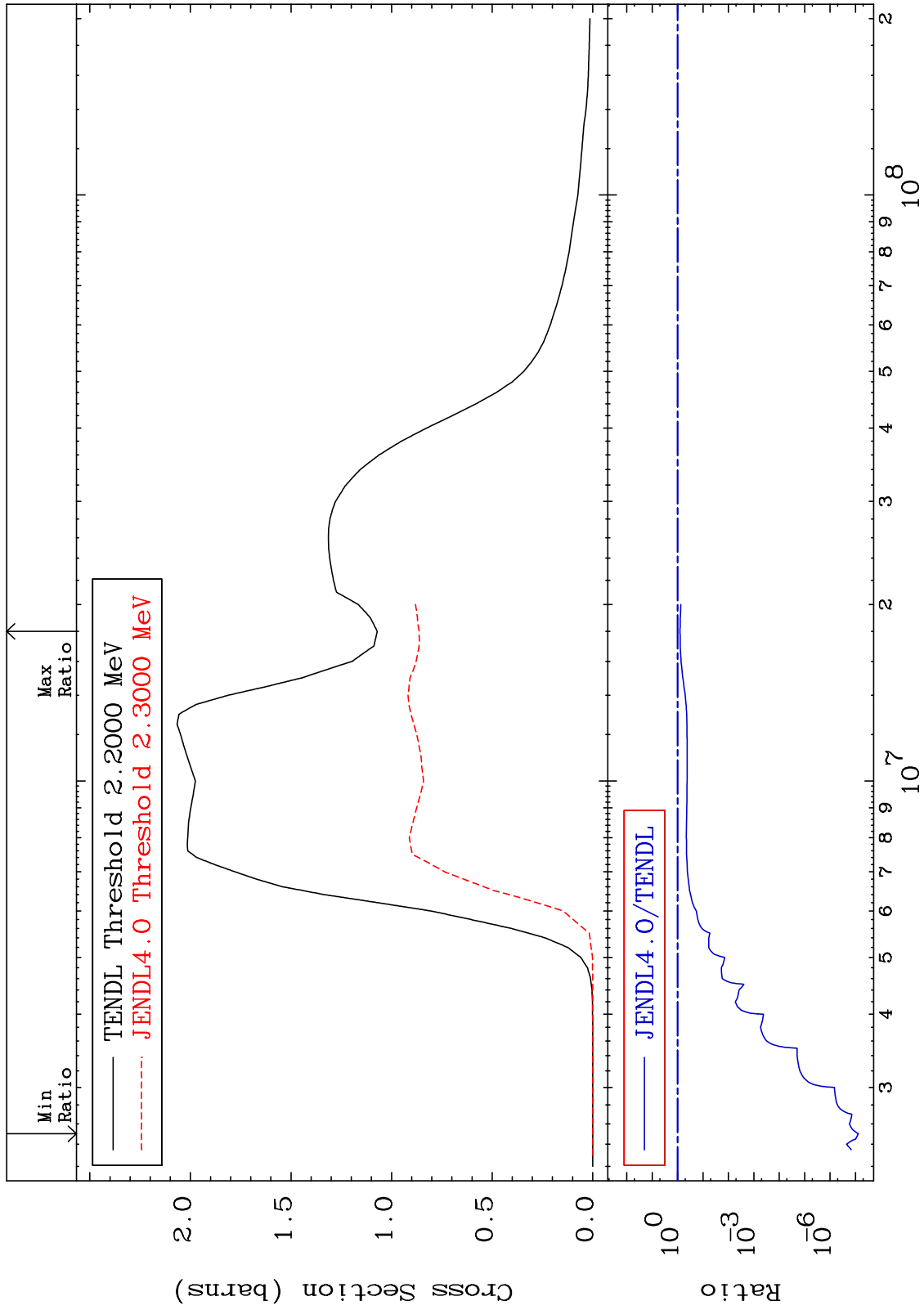
Incident Energy (eV)

95-Am-243

MAT 9549

(n, nf) Second Chance
Cross Section

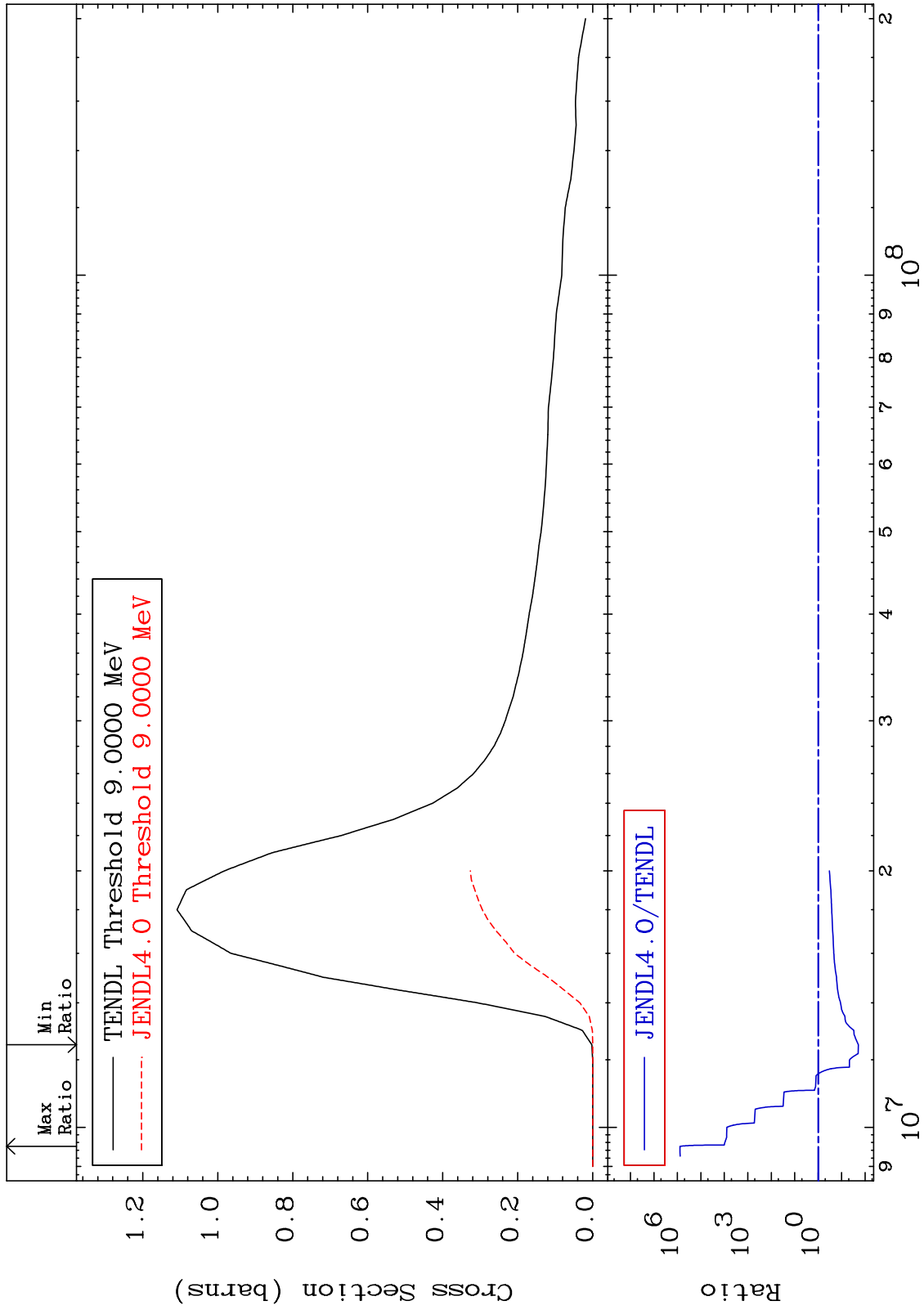
95-Am-243
-100.0 To -19.42%



MAT 9549

(n,2nf) Third Chance
Cross Section

95-Am-243
-98.06 To 9999. %



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Incident Energy (eV)

95-Am-243

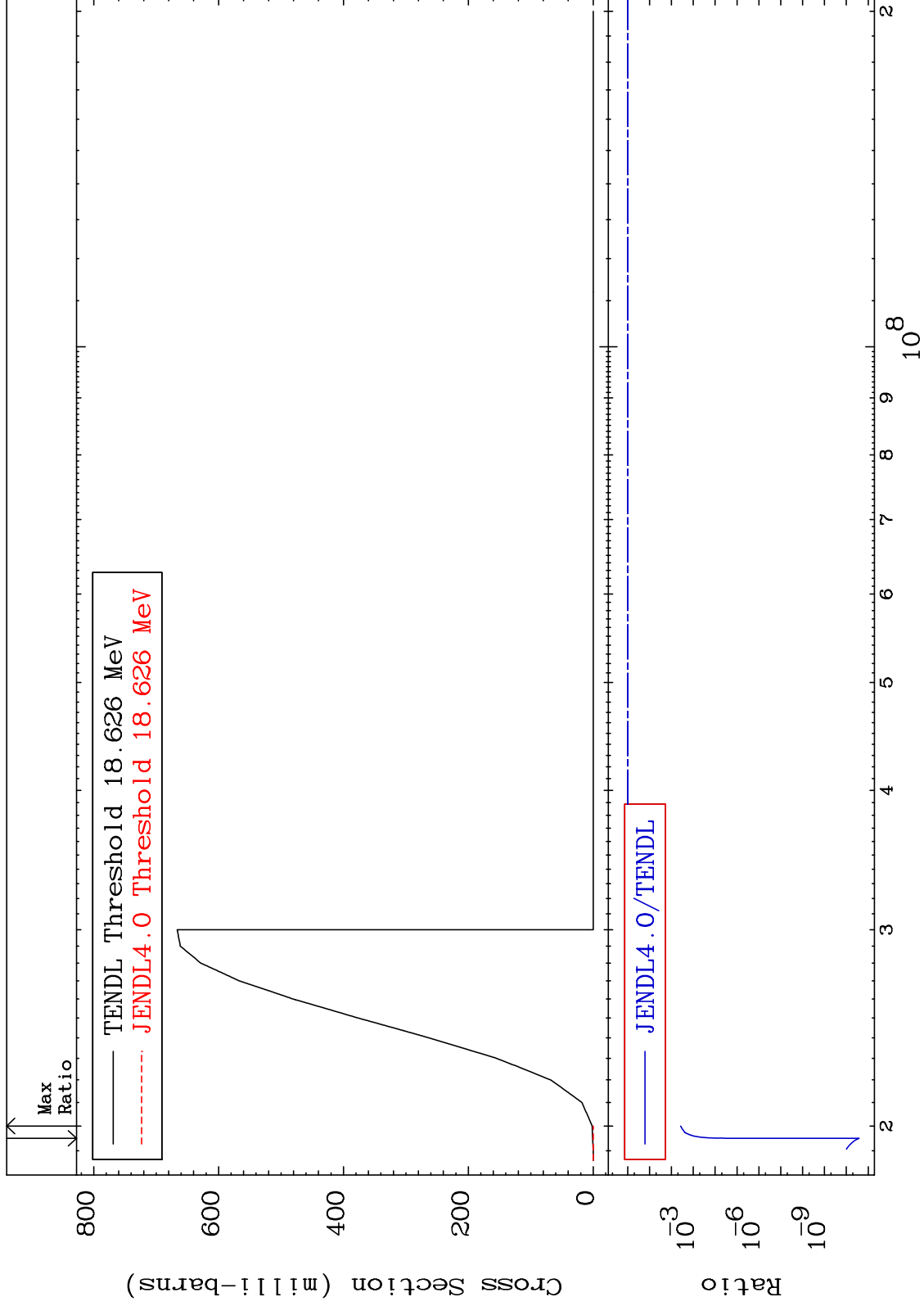
MAT 9549

(n, 4n)

95-Am-243

Cross Section

-100.0 To -99.62%



10

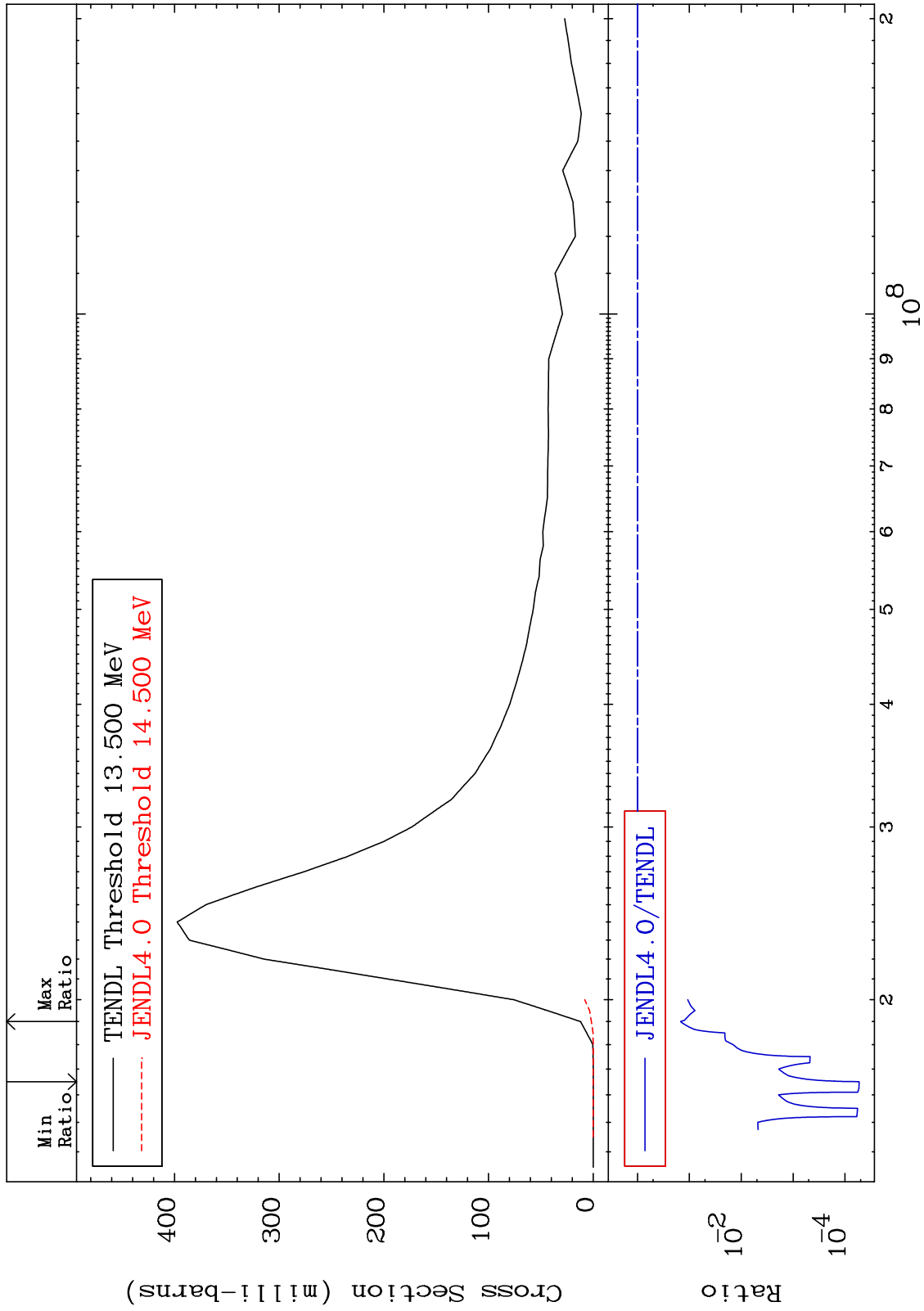
Incident Energy (eV)

95-Am-243

MAT 9549

(n,3nf) Fourth Chance
Cross Section

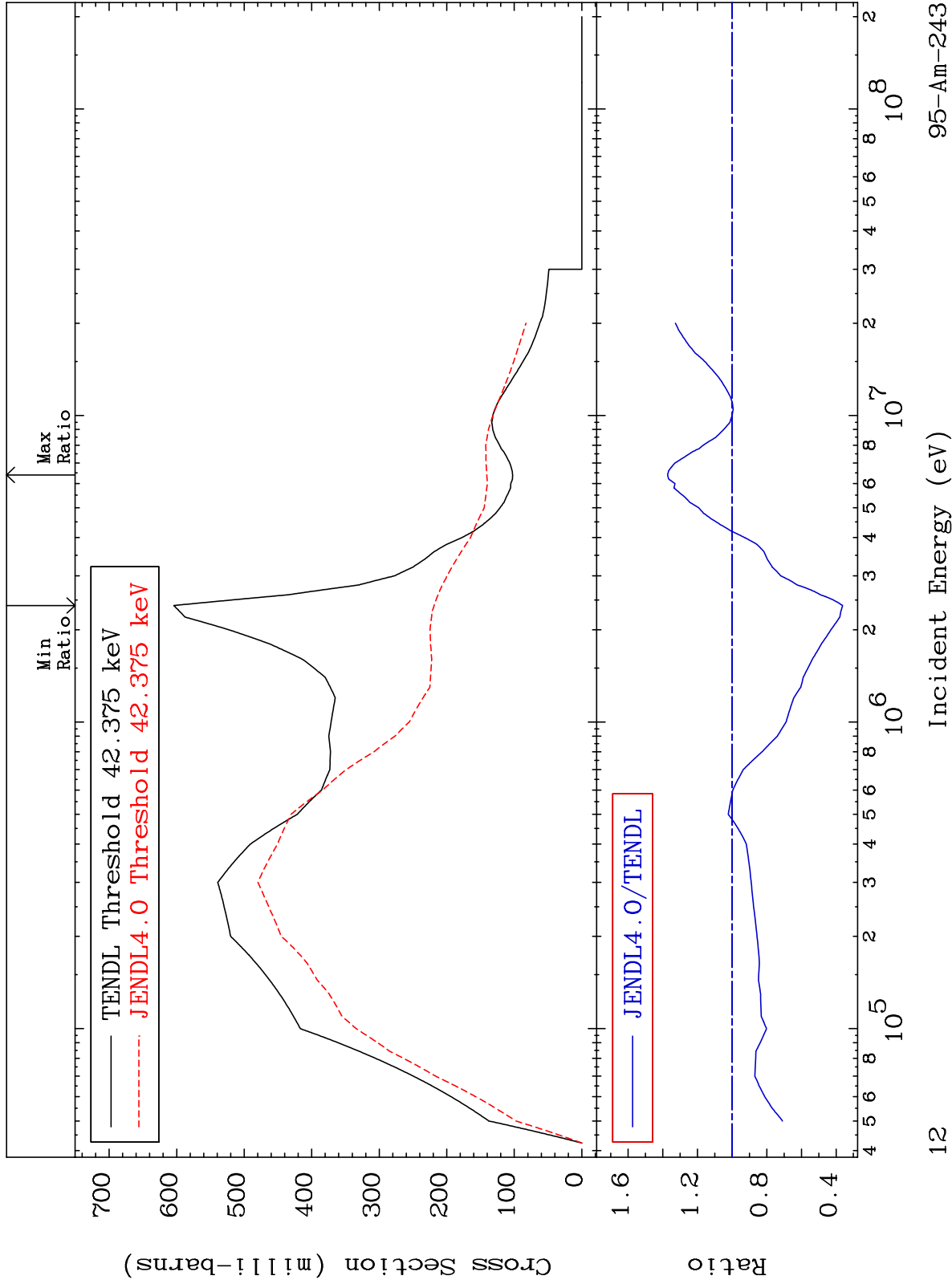
95-Am-243
-99.99 To -85.26%



MAT 9549

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

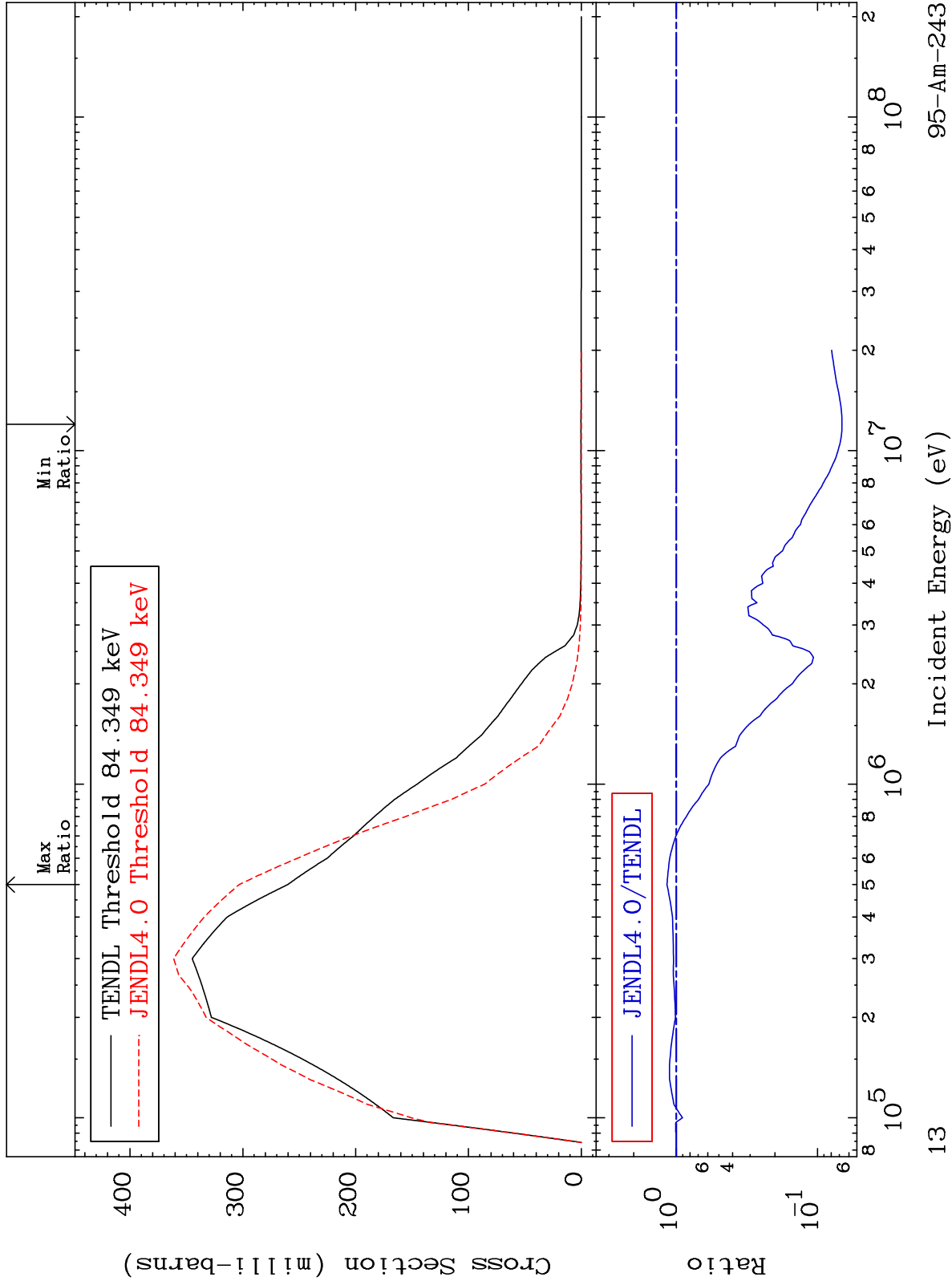
95-Am-243
-63.79 To 37.24 %



MAT 9549

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

95-Am-243
-93.28 To 16.51 %



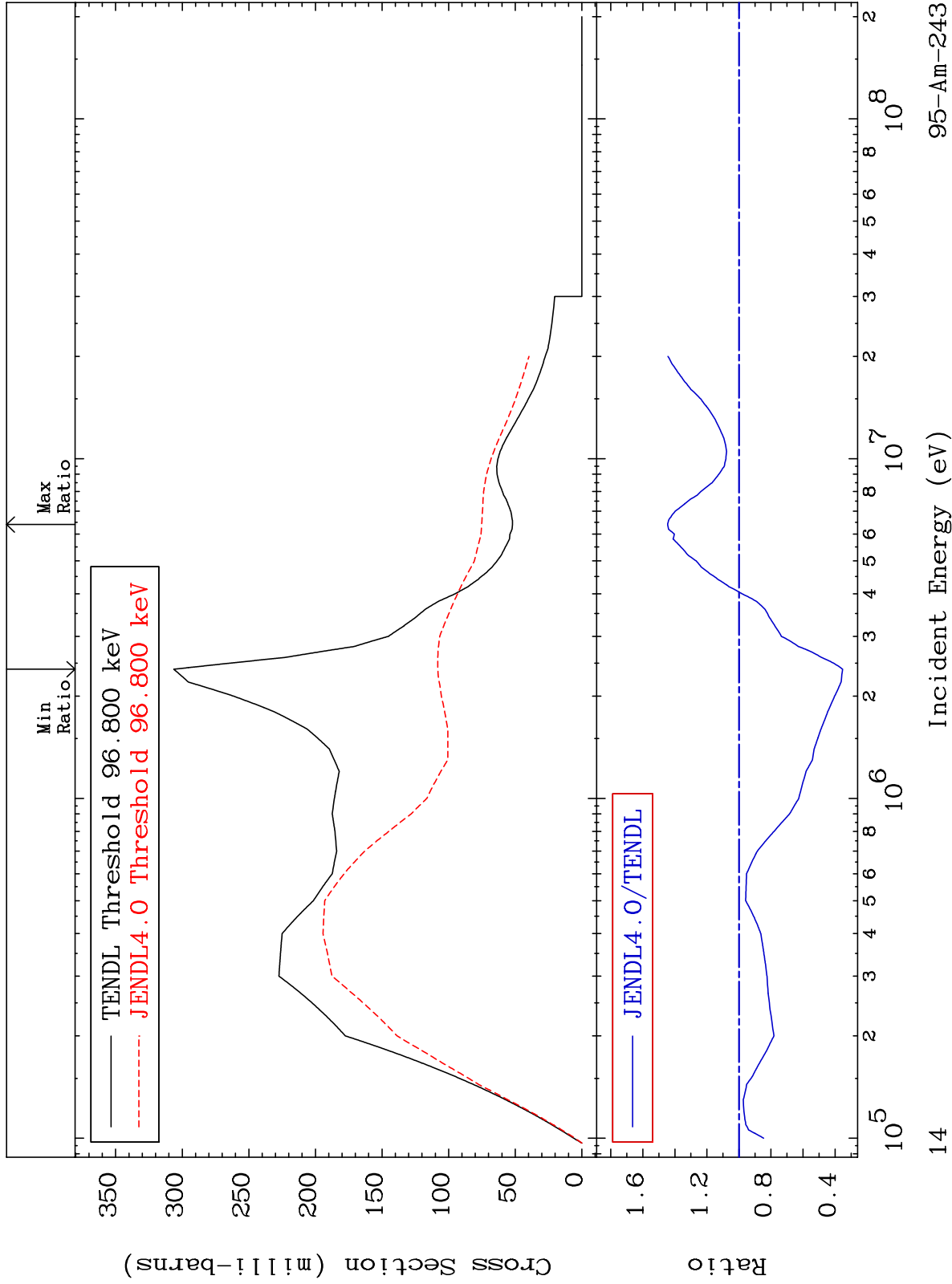
13

95-Am-243

MAT 9549

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

95-Am-243
-64.74 To 44.57 %



95-Am-243

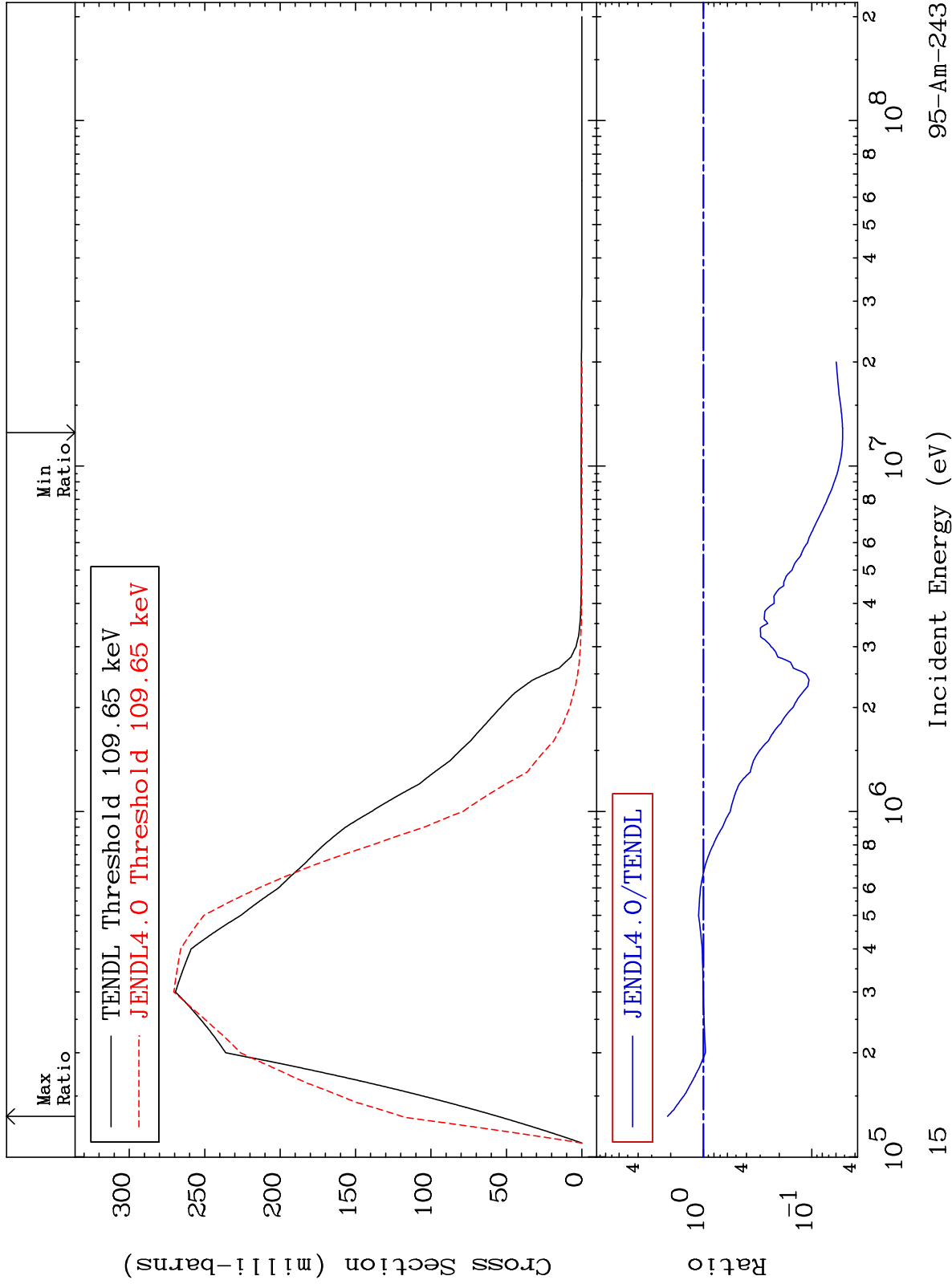
Incident Energy (eV)

14

MAT 9549

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

95-Am-243
-94.80 To 114.3 %



95-Am-243

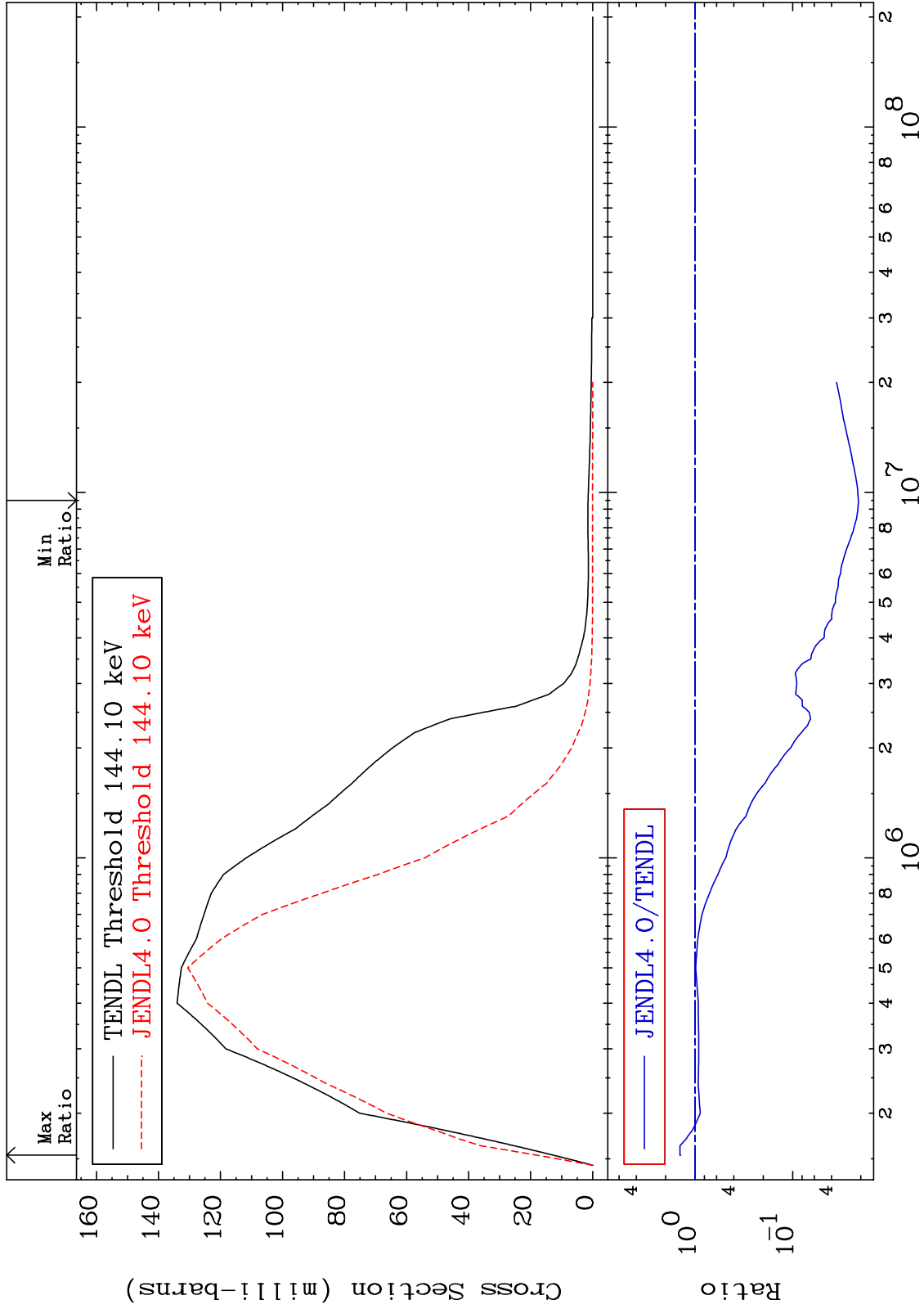
Incident Energy (eV)

15

MAT 9549

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

95-Am-243
-97.88 To 42.45 %



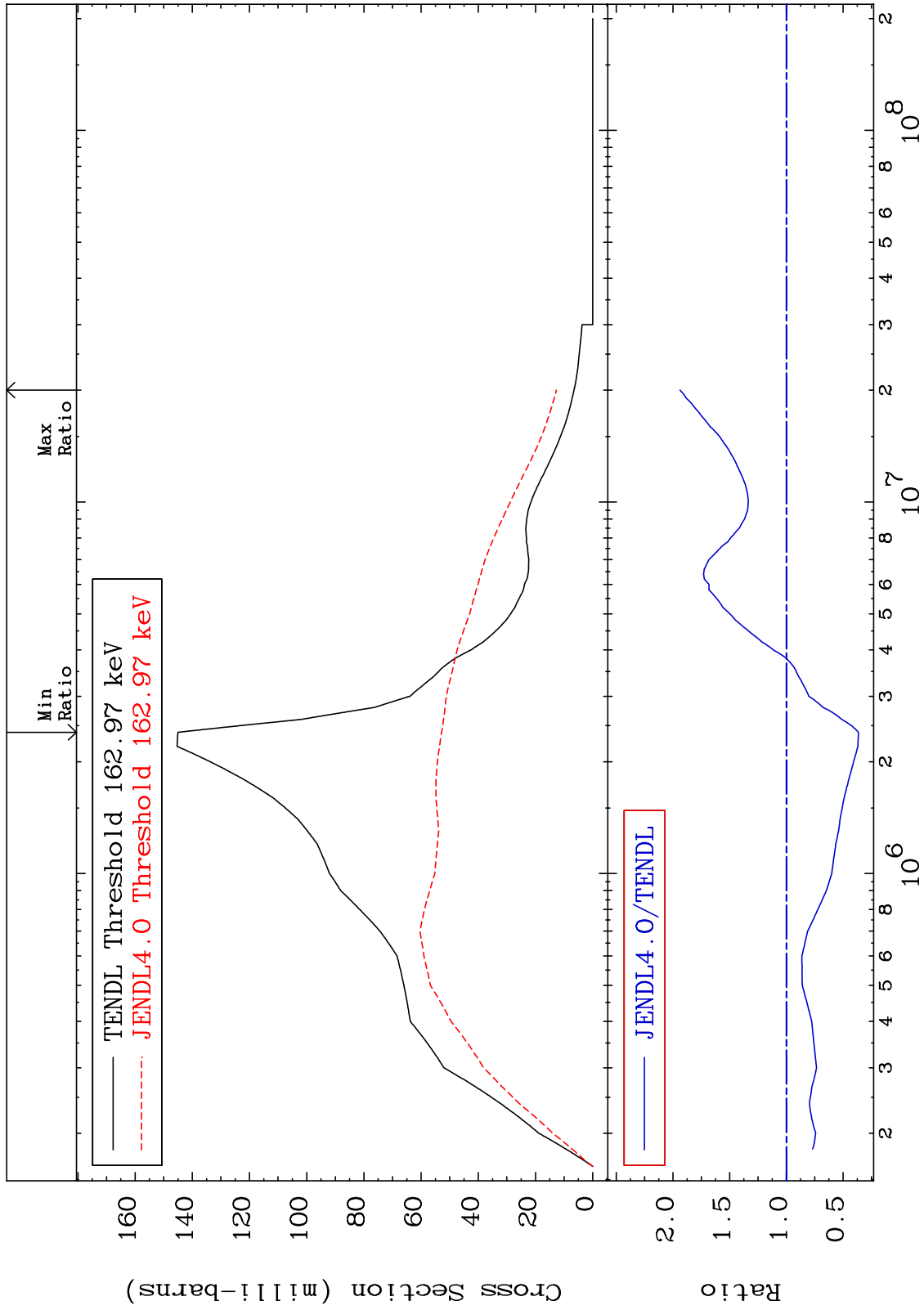
Max Ratio

Min Ratio

— TENDL Threshold 144.10 keV
- - - JENDL4.0 Threshold 144.10 keV

JENDL4.0/TENDL

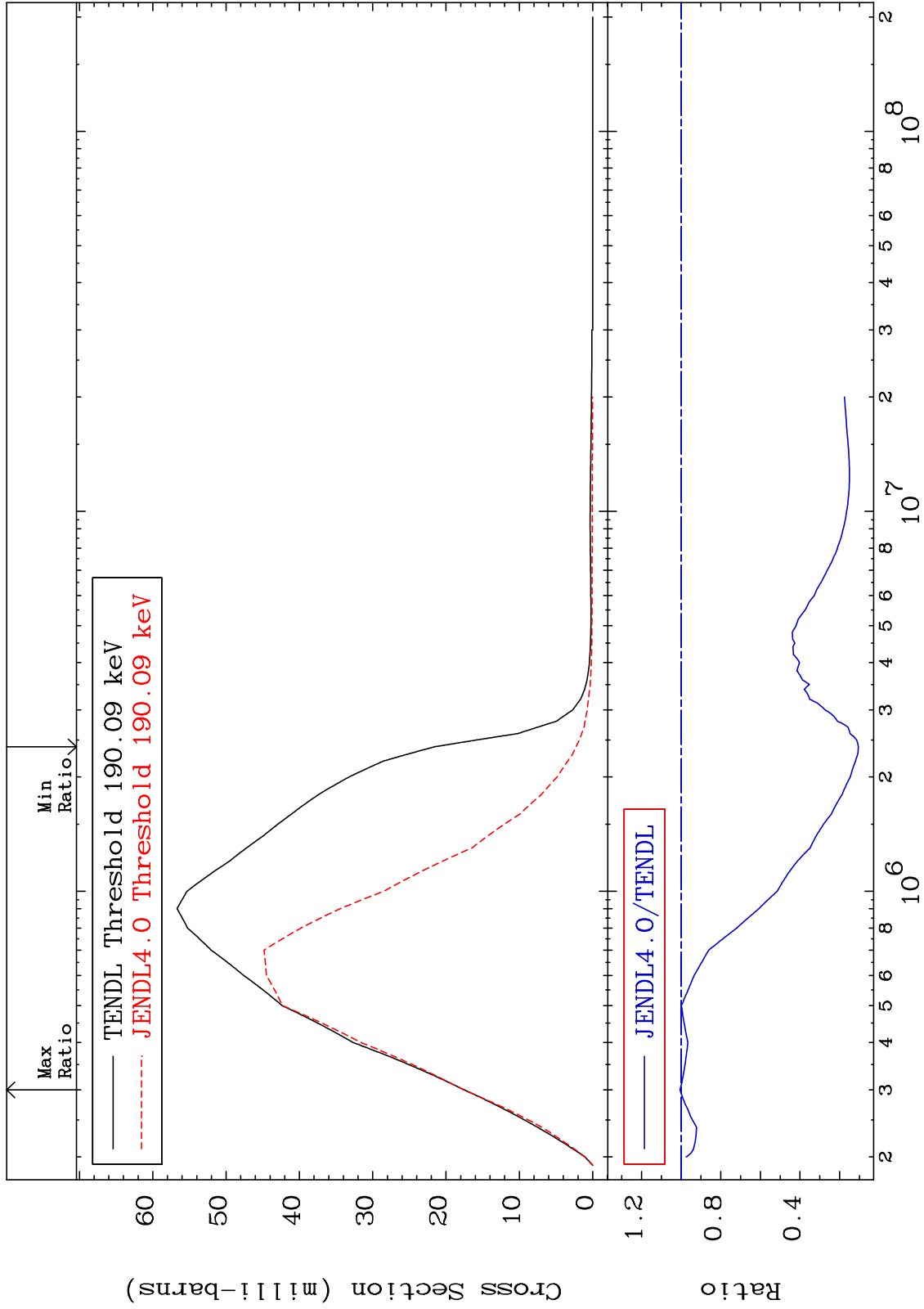
MAT 9549 MT= 56 (n,n') Level 95-Am-243
 Cross Section -63.58 To 93.76 %



MAT 9549

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

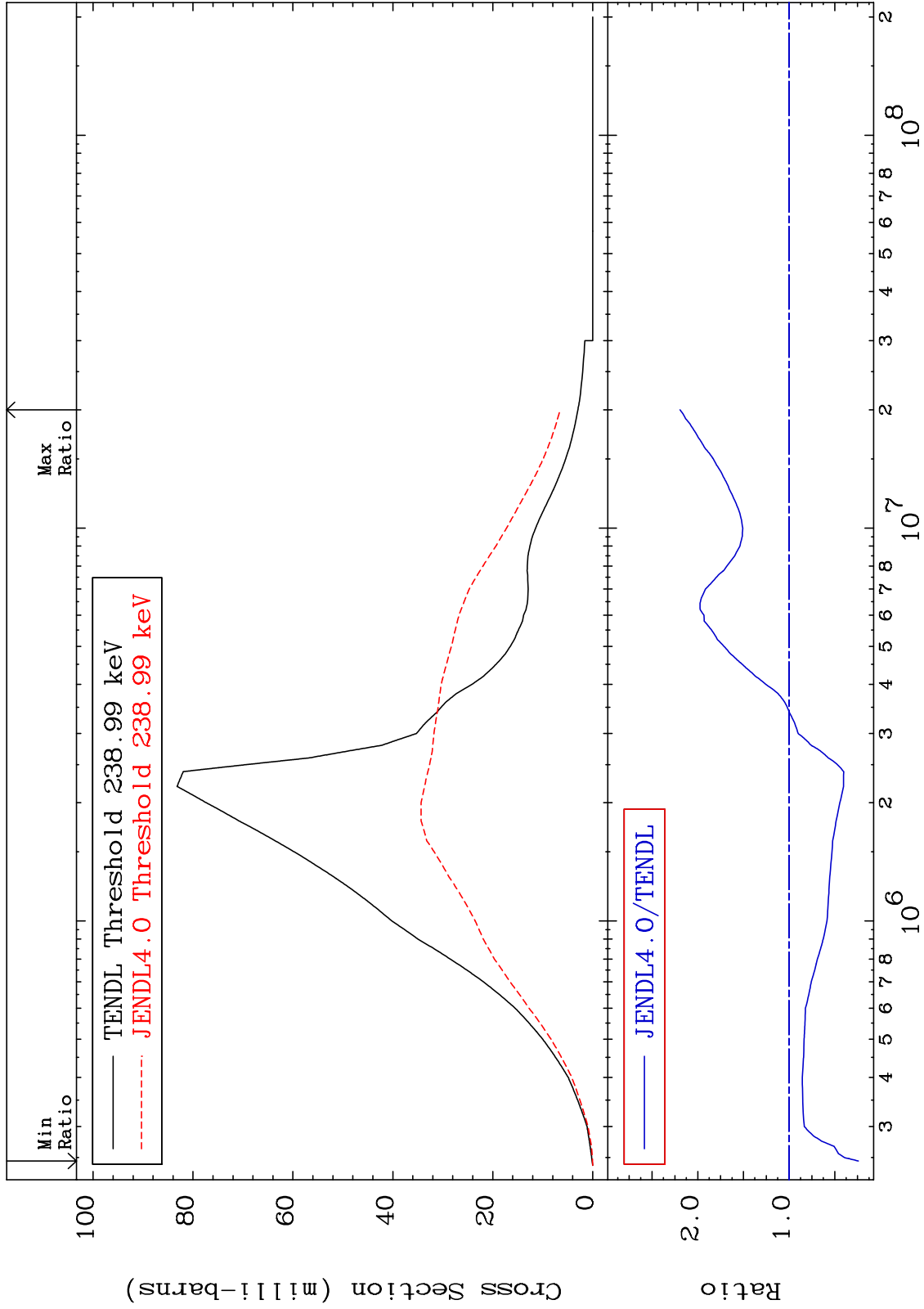
95-Am-243
-89.50 To 0.585 %



MAT 9549

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

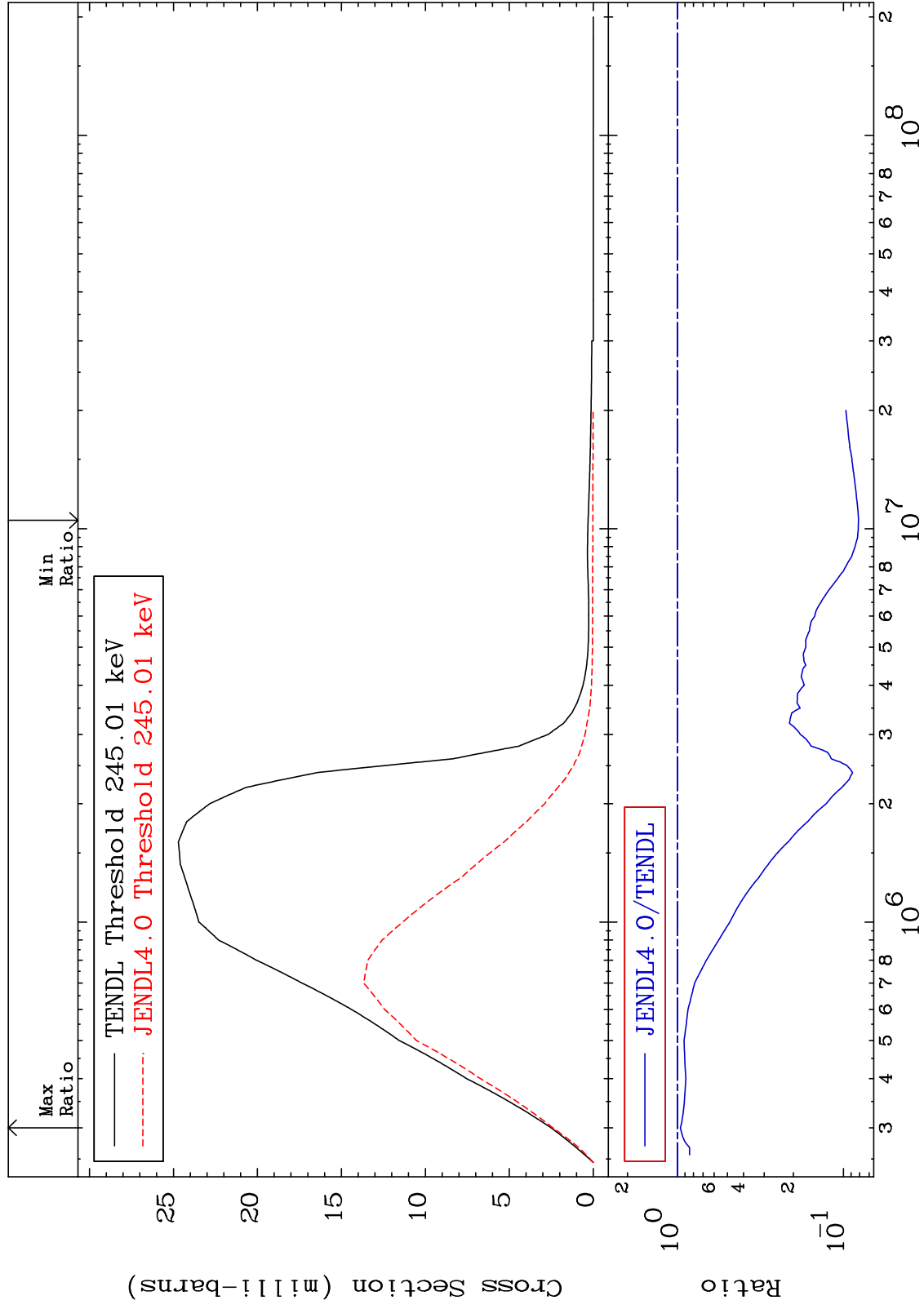
95-Am-243
-75.90 To 119.4 %



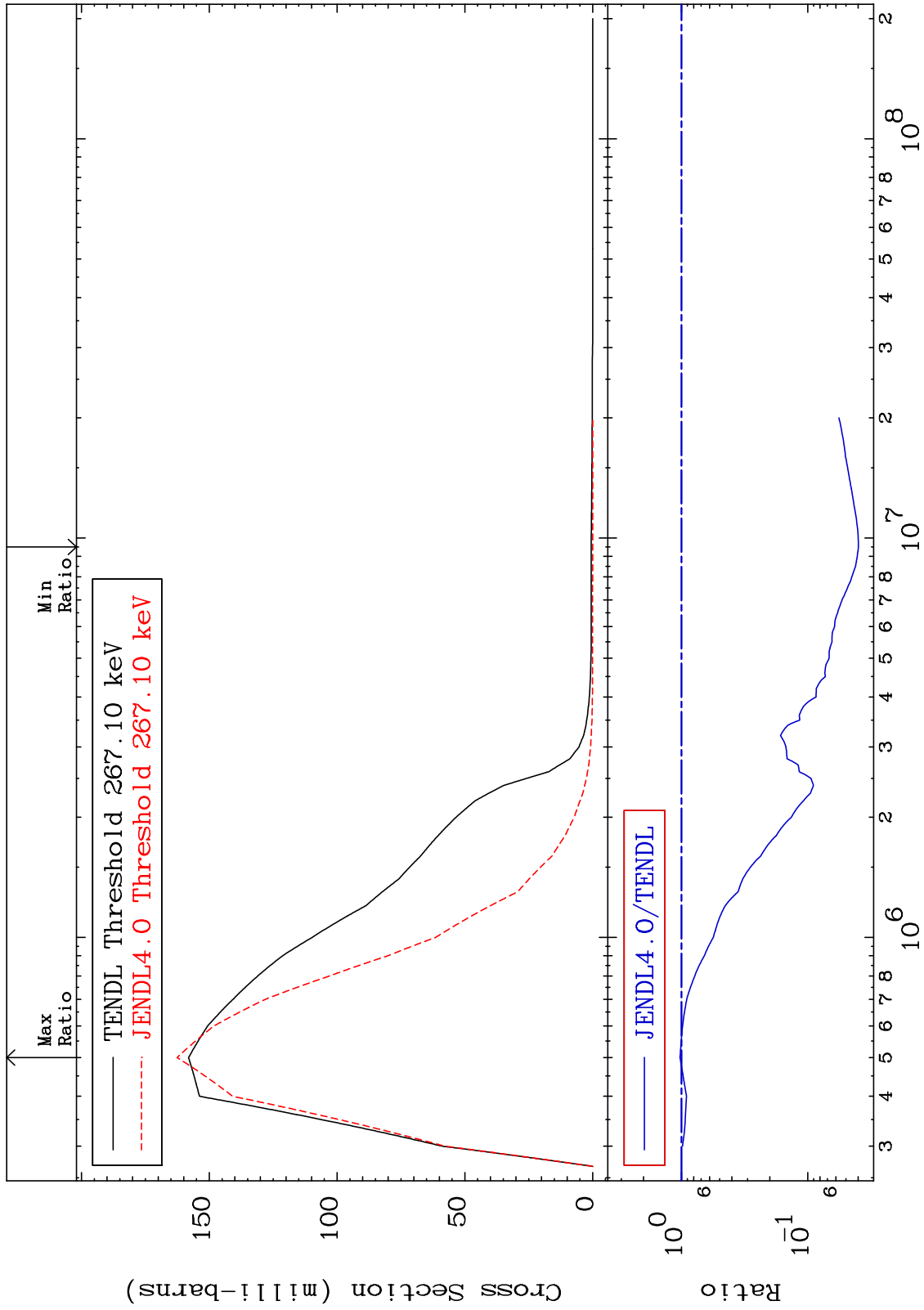
MAT 9549

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

95-Am-243
-91.89 To -4.152%



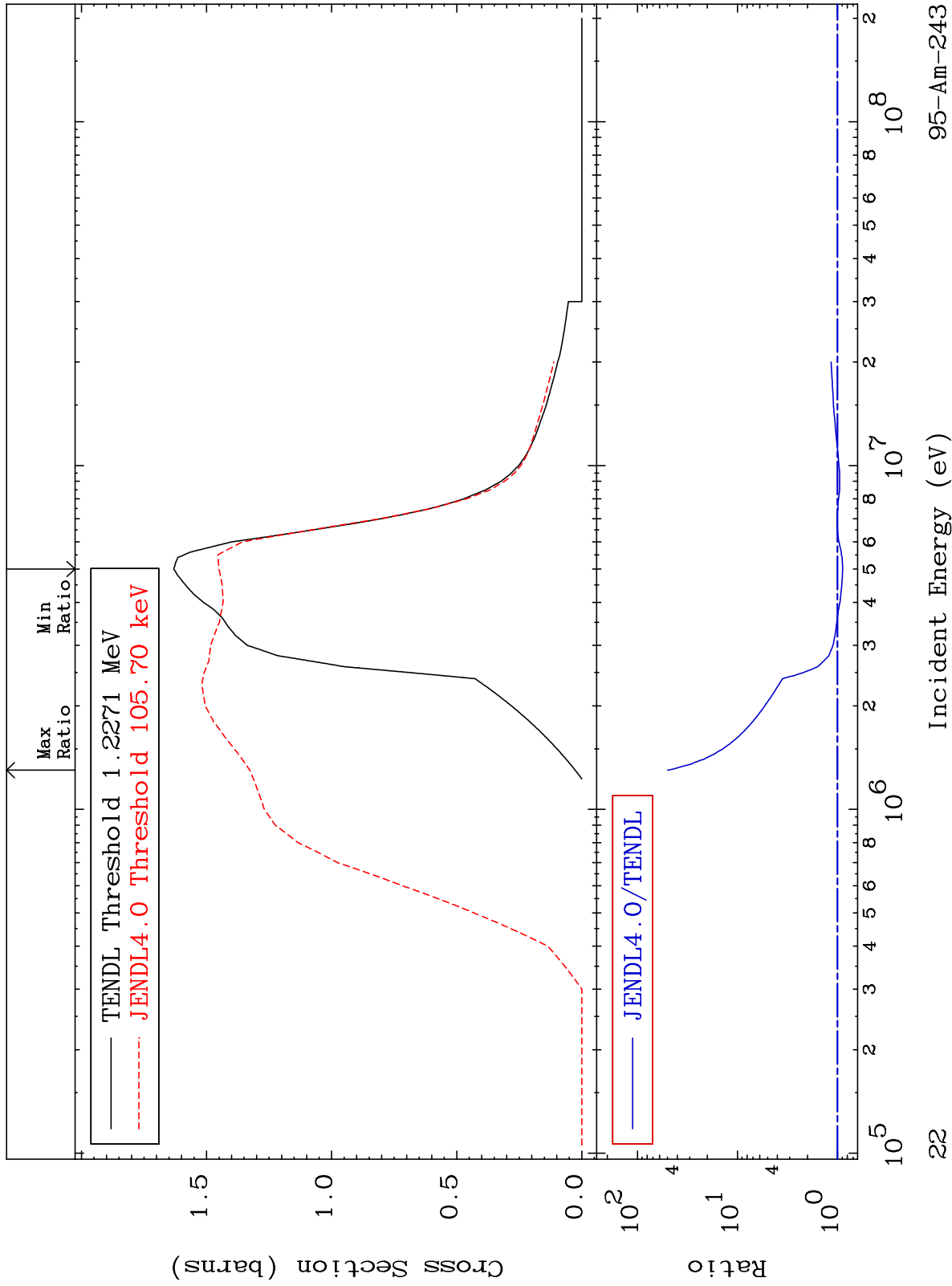
MAT 9549 MT= 60 (n,n') Level Cross Section 95-Am-243
 -96.02 To 2.852 %



MAT 9549

(n,n') Continuum
Cross Section

95-Am-243
-11.06 To 4898. %



95-Am-243

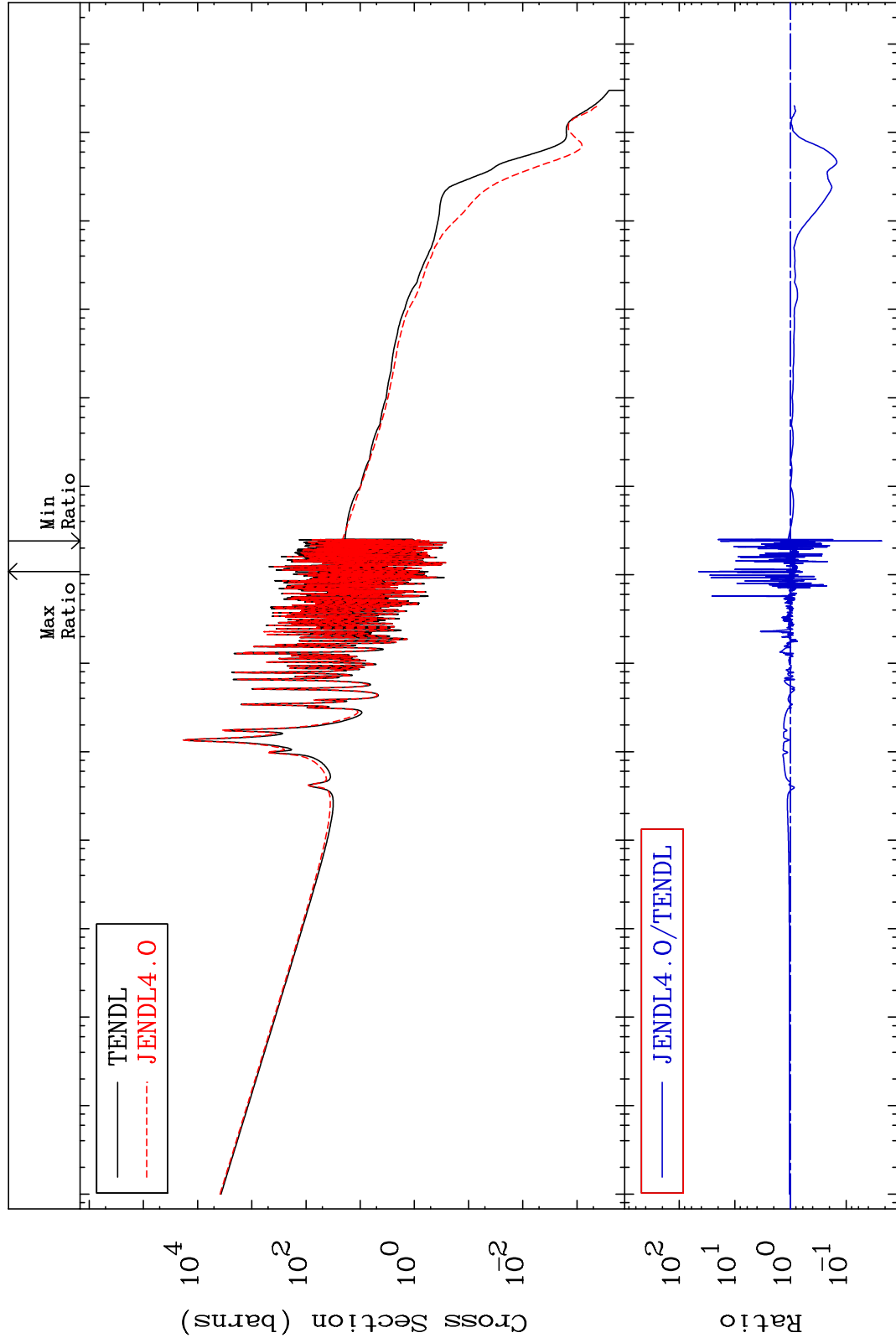
Incident Energy (eV)

22

MAT 9549

(n, γ)
Cross Section

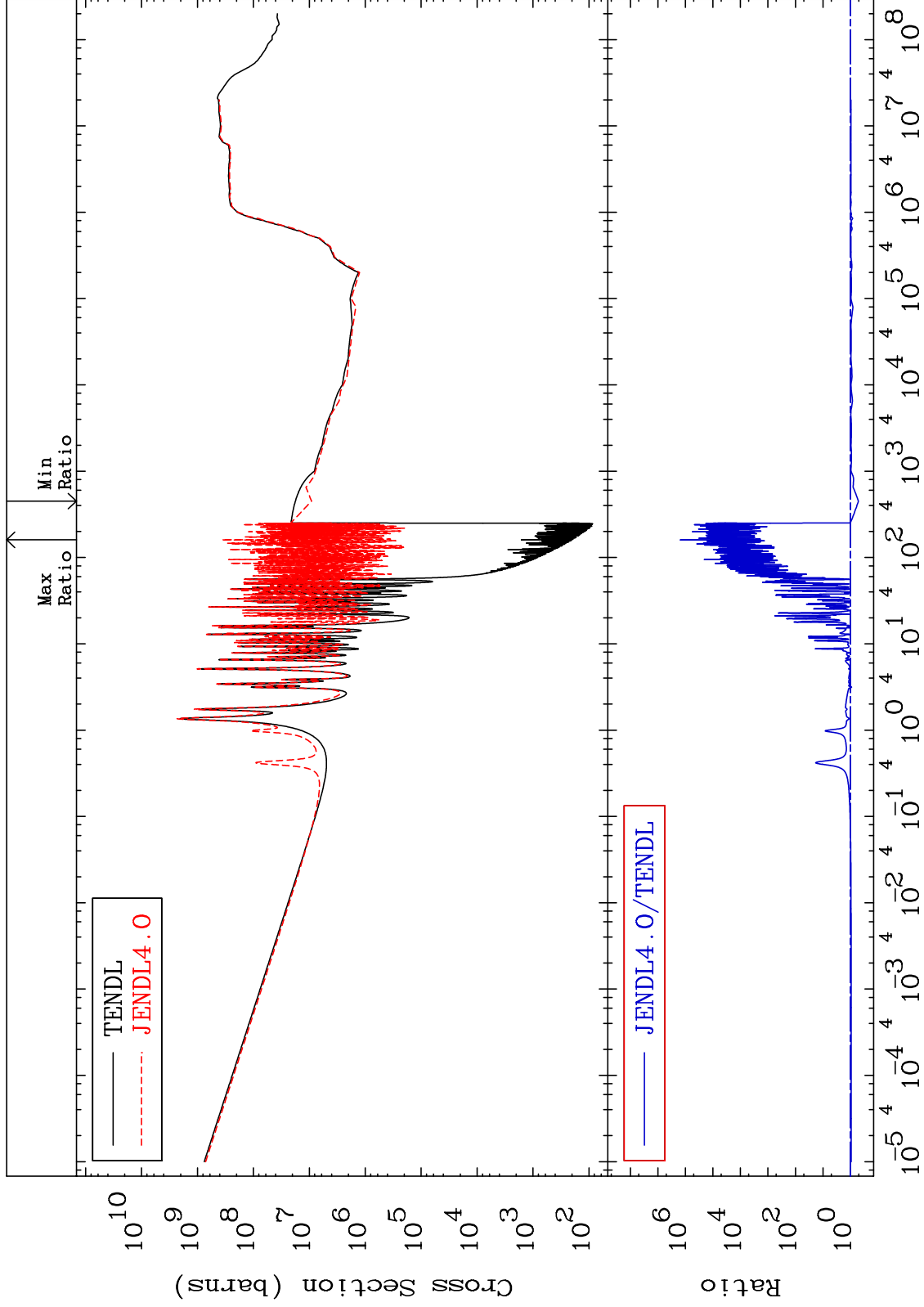
95-Am-243
-97.69 To 4345. %



MAT 9549

Kerma total (eV-barns)
Cross Section

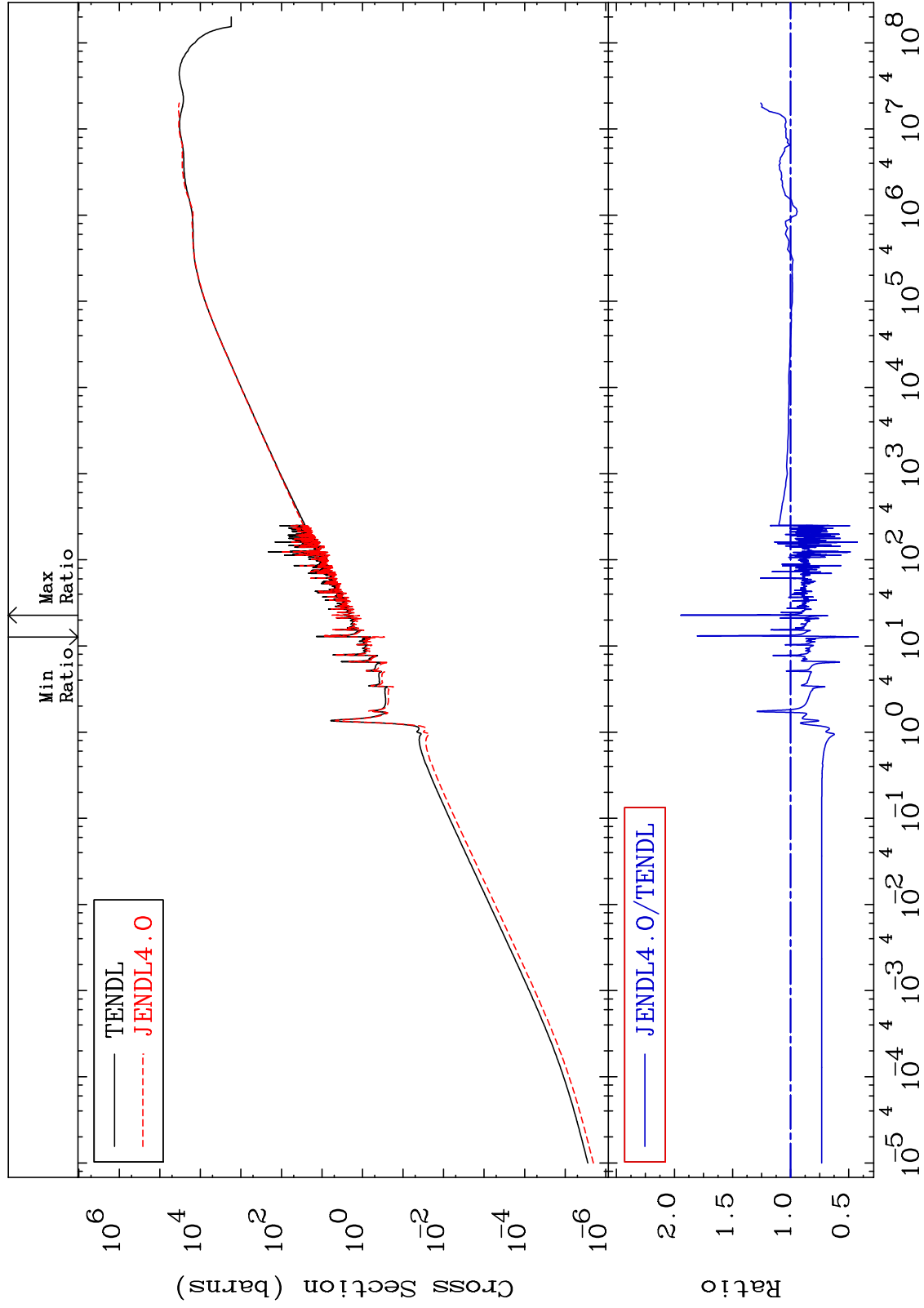
95-Am-243
-48.59 To 9999. %



MAT 9549

Kerma elastic
Cross Section

95-Am-243
-58.45 To 94.83 %



25

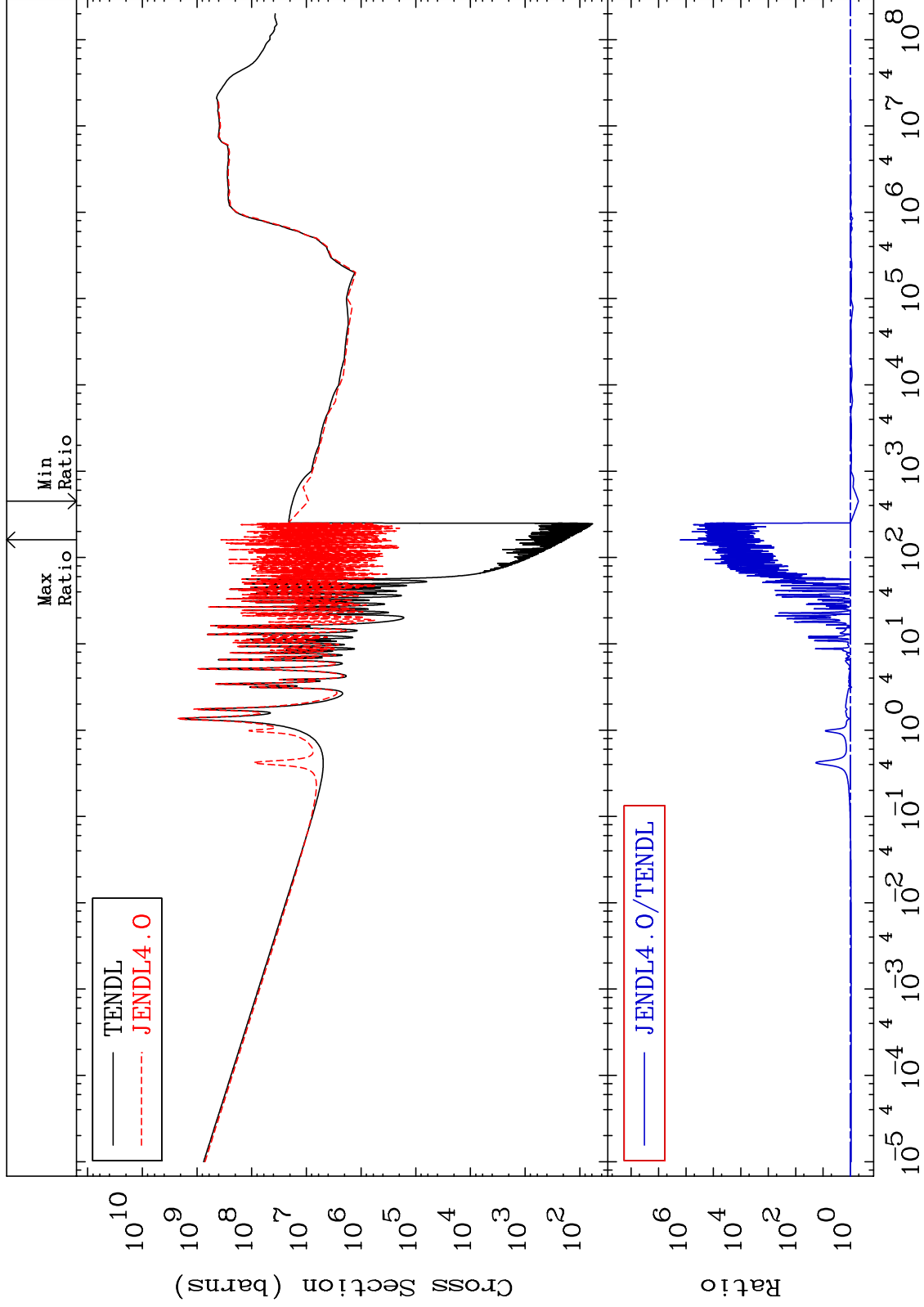
Incident Energy (eV)

95-Am-243

MAT 9549

Kerma non-elastic (all but mt2)
Cross Section

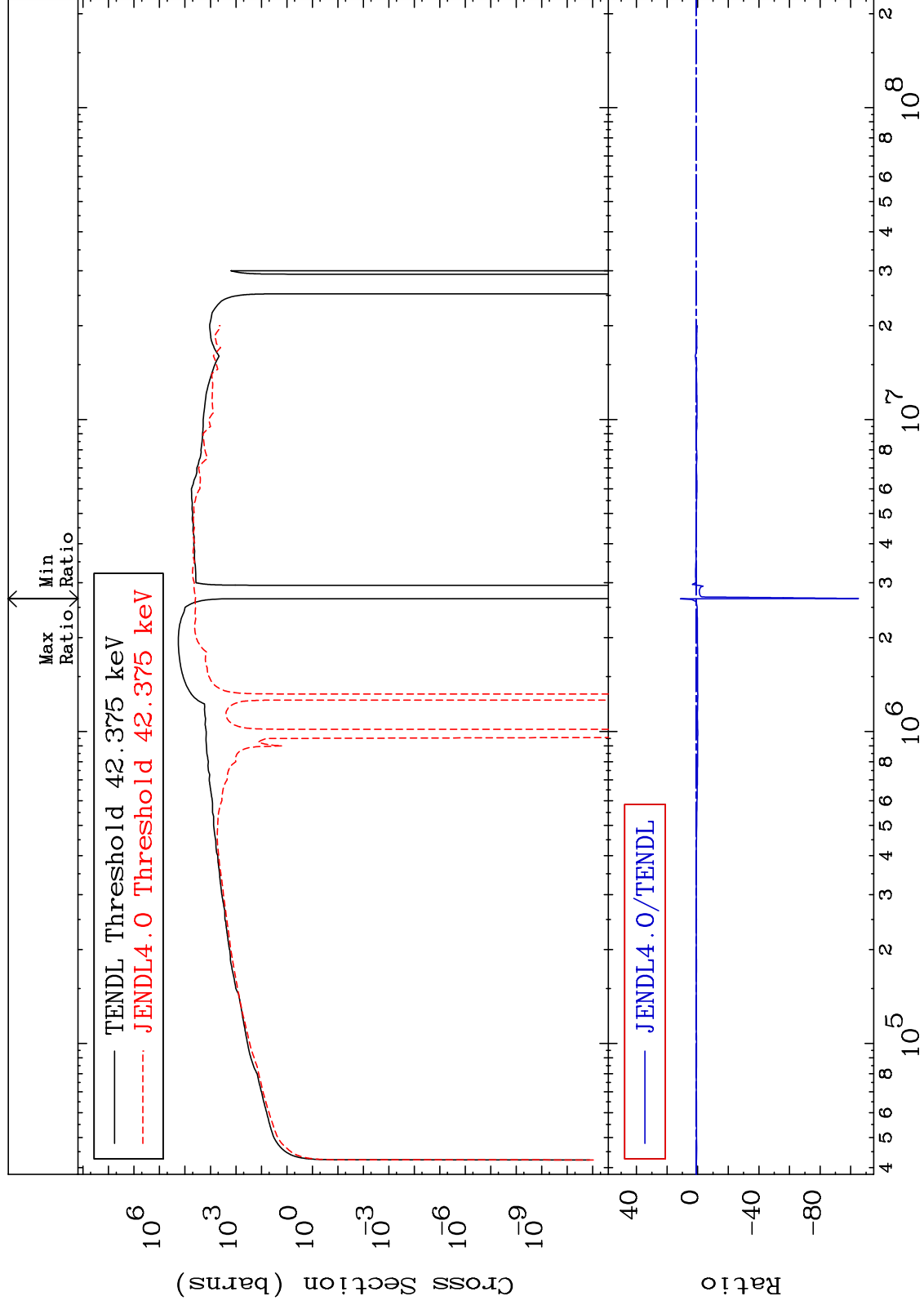
95-Am-243
-48.59 To 9999. %



MAT 9549

Kerma inelastic (mt51-91)
Cross Section

95-Am-243
-9999. To 1026. %



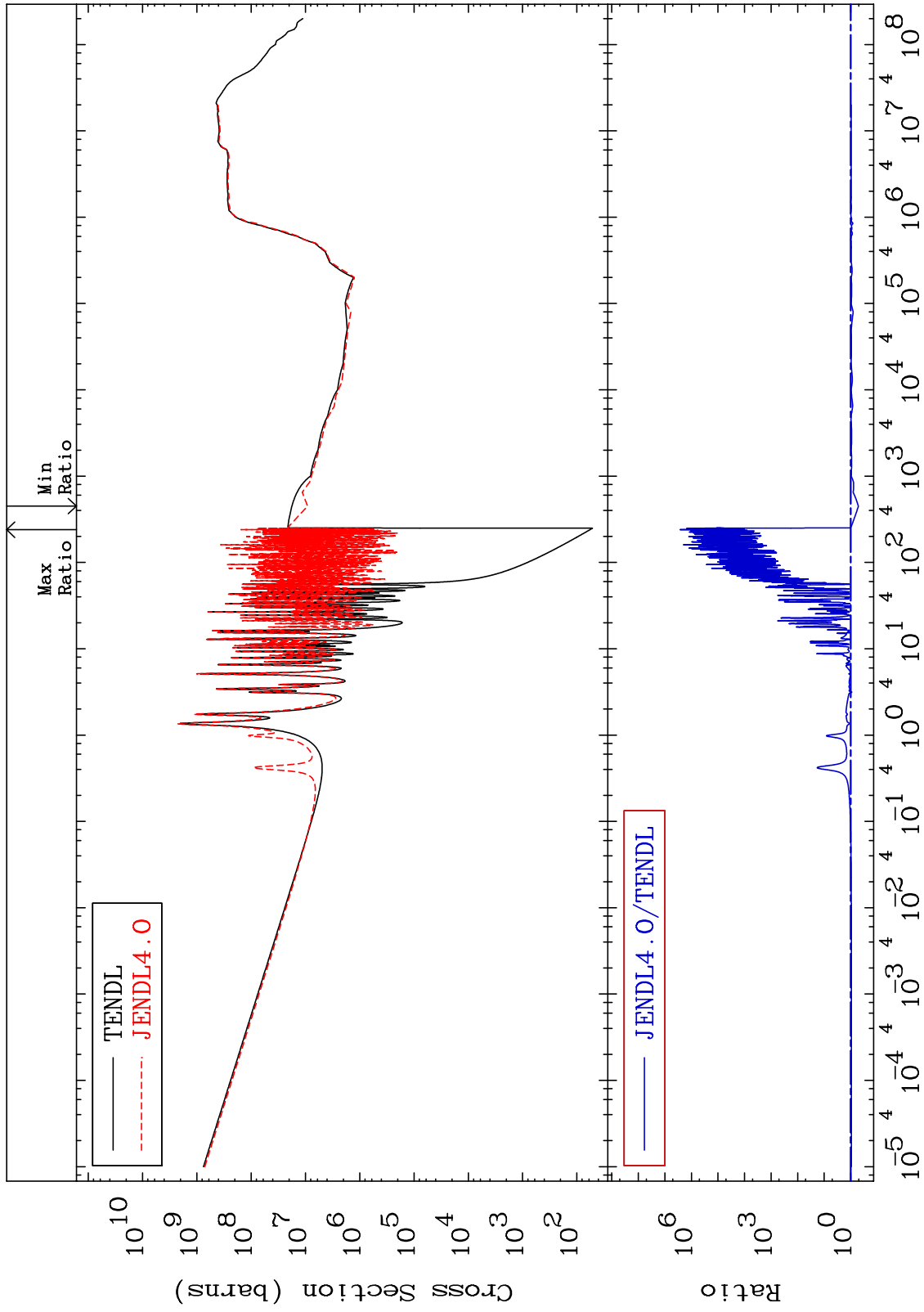
27

95-Am-243

MAT 9549

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

95-Am-243
-48.59 To 9999. %



28

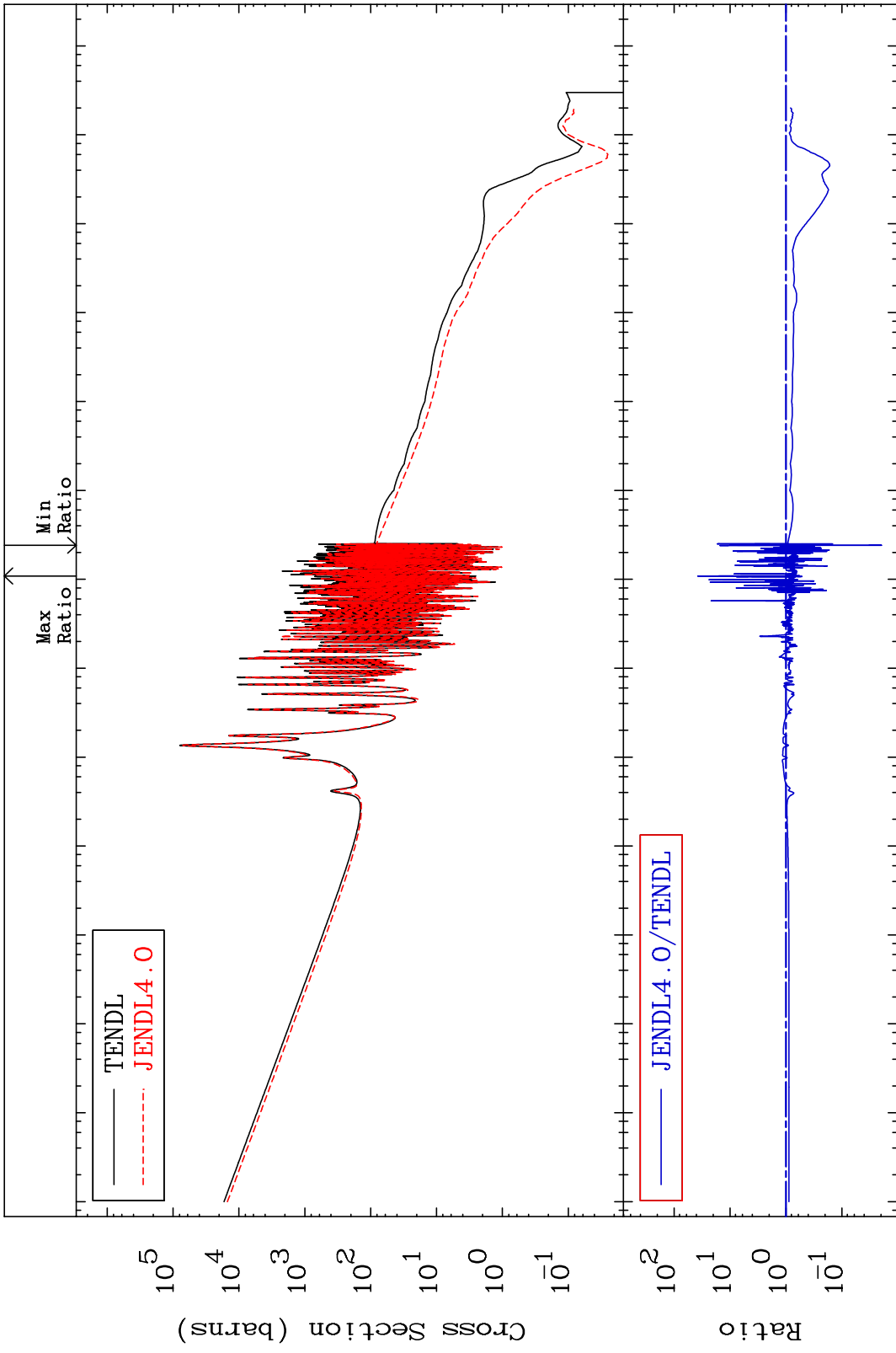
Incident Energy (eV)

95-Am-243

MAT 9549

Kerma capture (mt102)
Cross Section

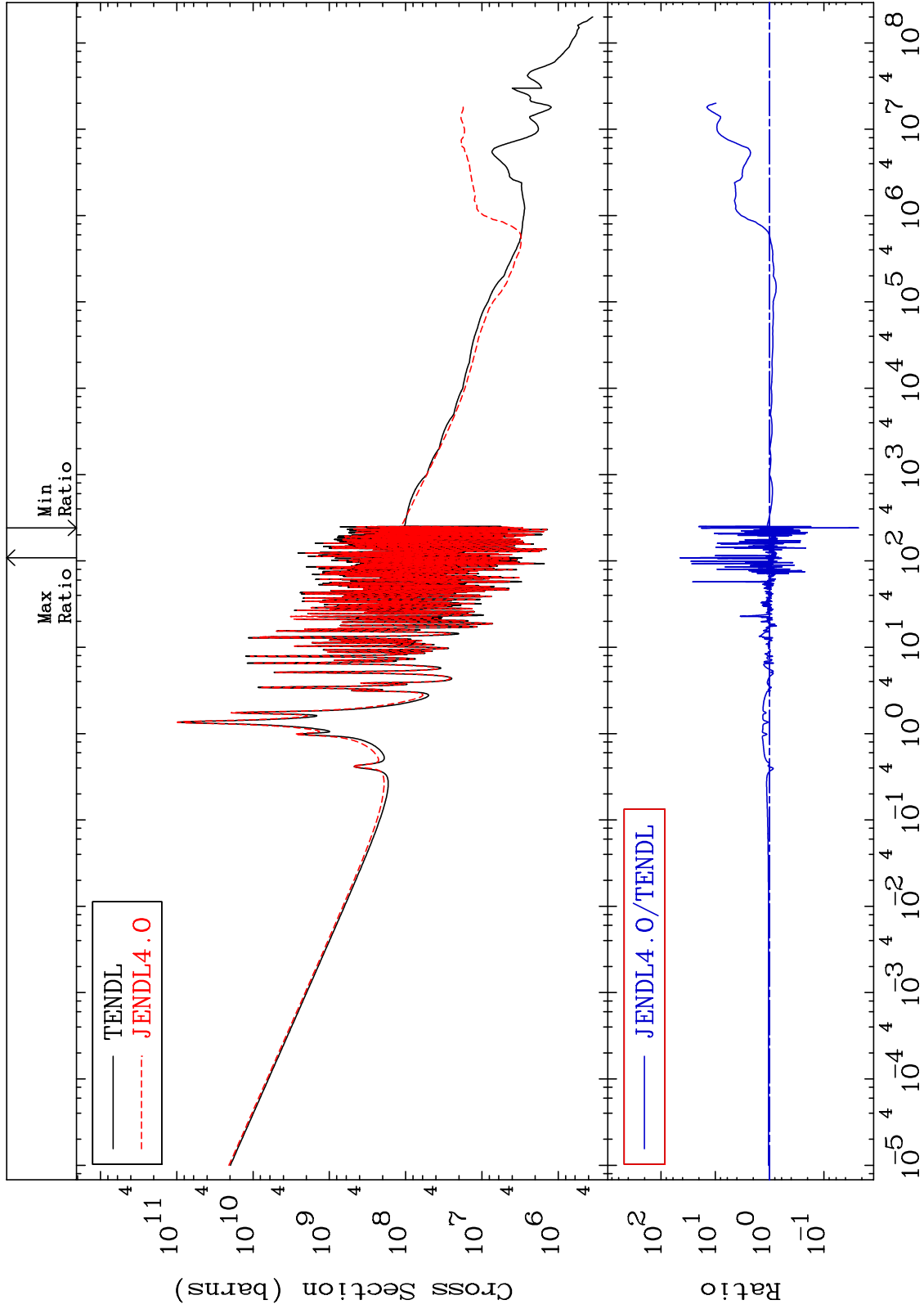
95-Am-243
-98.04 To 3677. %



MAT 9549

Total photon (eV-barns)
Cross Section

95-Am-243
-97.68 To 4352. %



30

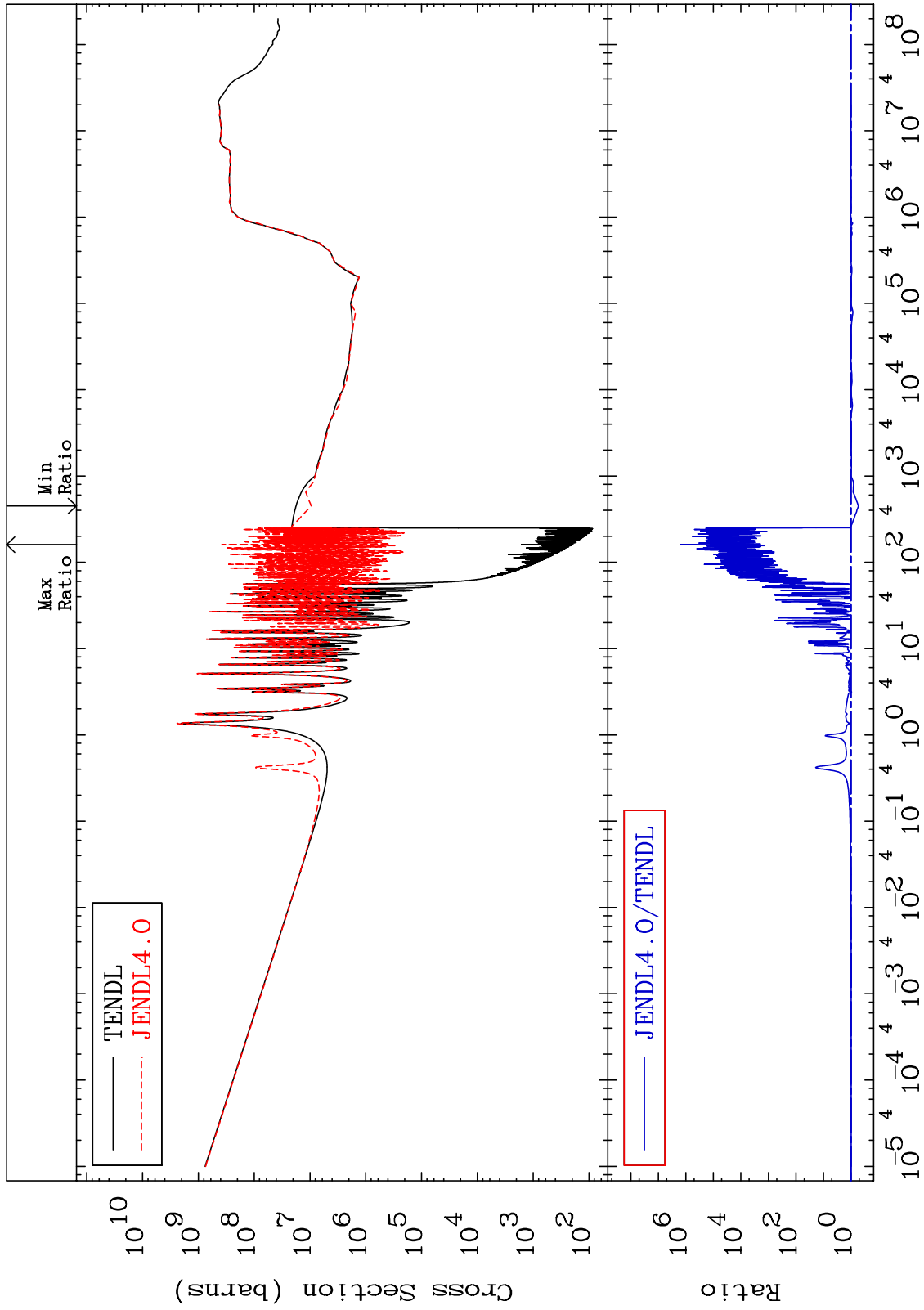
Incident Energy (eV)

95-Am-243

MAT 9549

Total kinematic kerma (high limit)
Cross Section

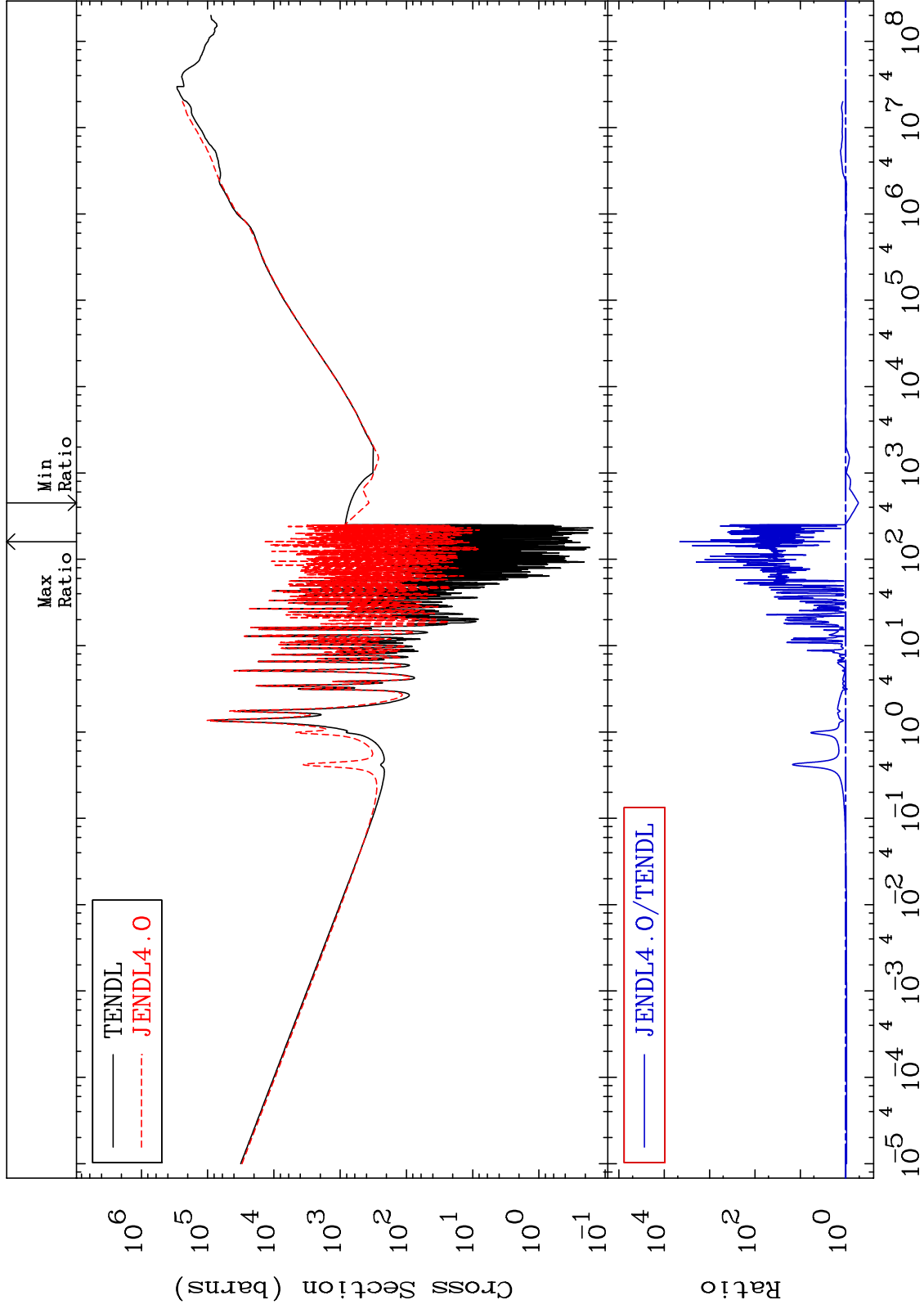
95-Am-243
-46.56 To 9999. %



MAT 9549

Dpa total (eV-barns)
Cross Section

95-Am-243
-47.63 To 9999. %



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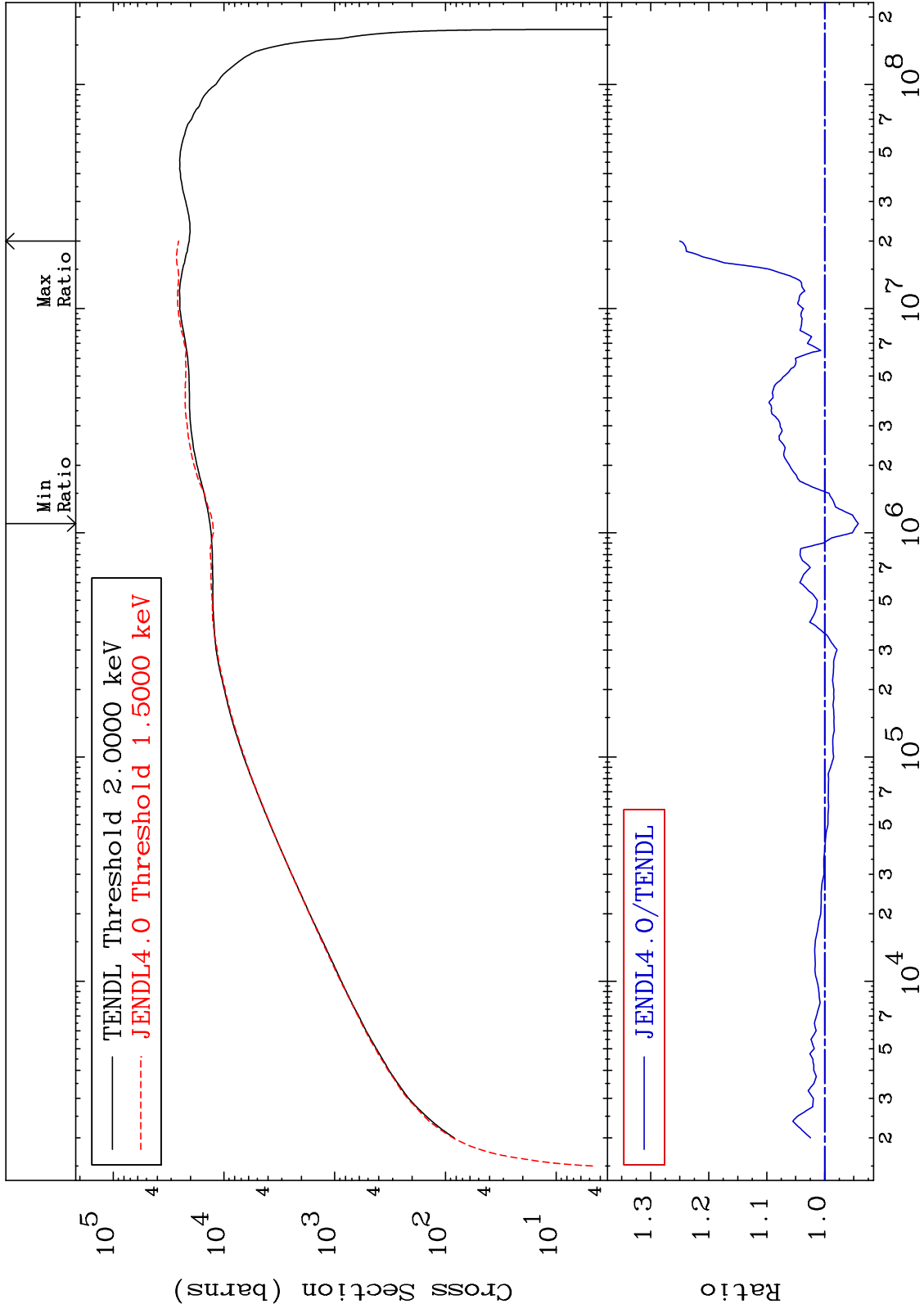
Incident Energy (eV)

95-Am-243

MAT 9549

Dpa elastic (mt2)
Cross Section

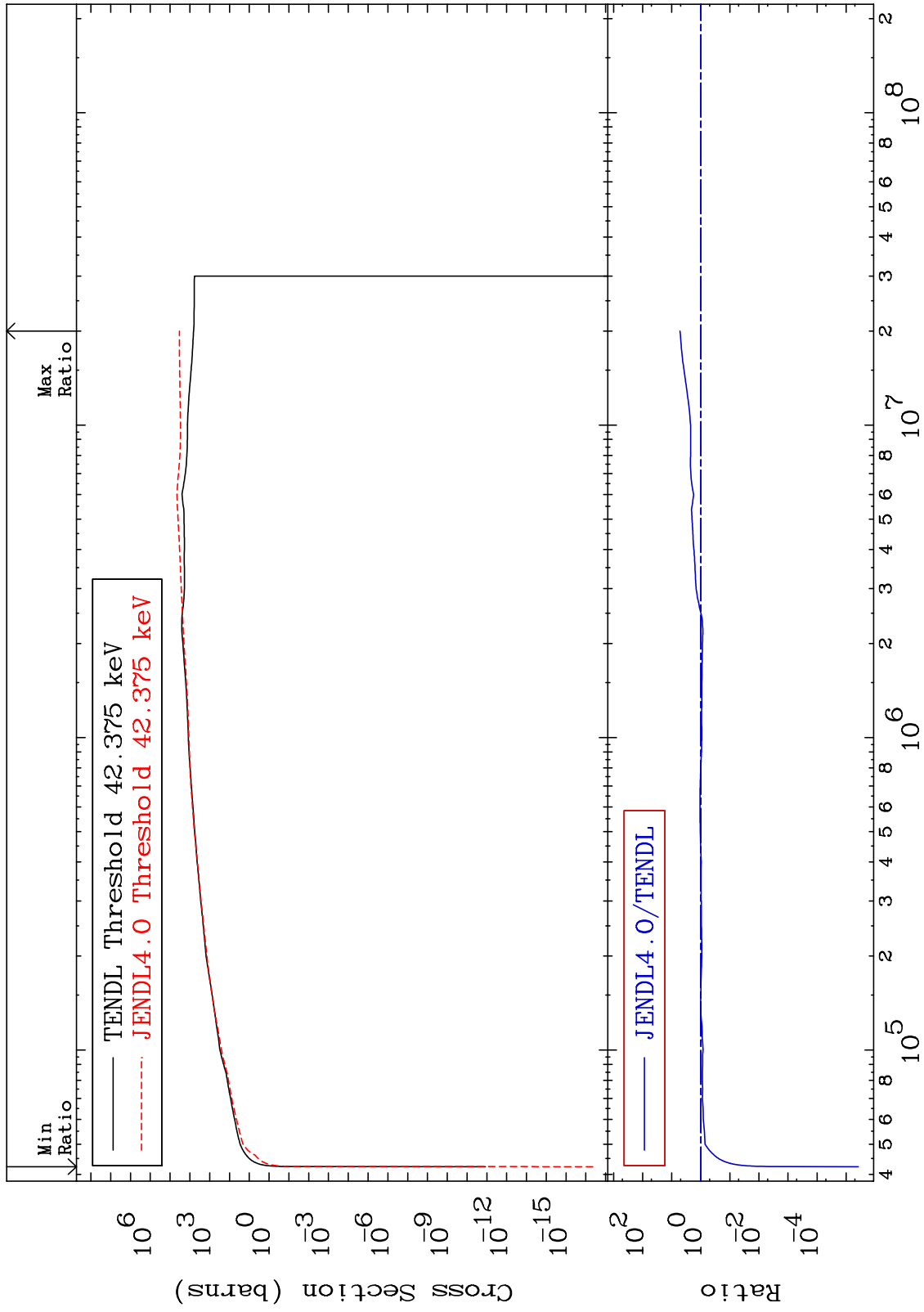
95-Am-243
-5.792 To 24.99 %



MAT 9549

Dpa inelastic (mt51-91)
Cross Section

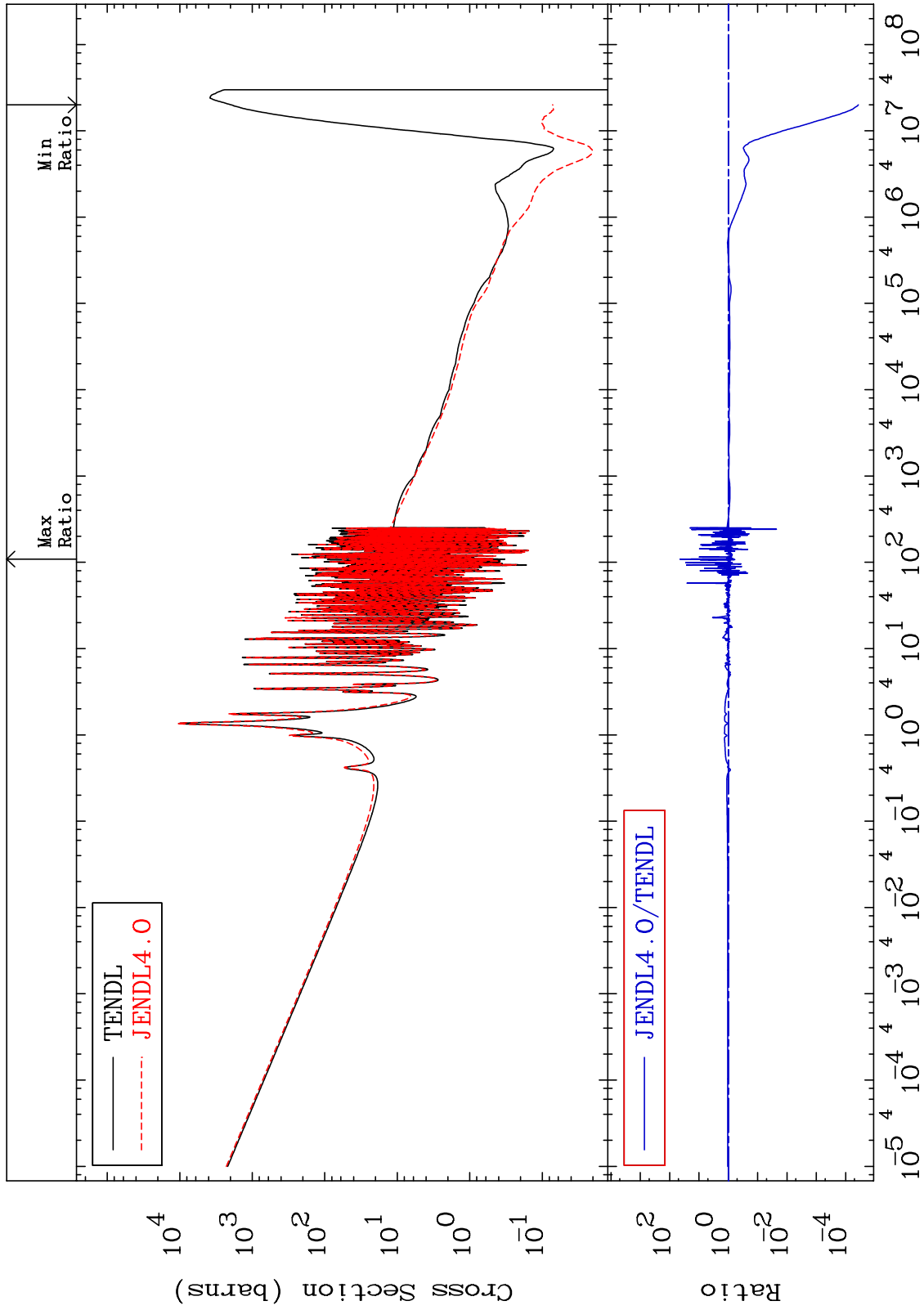
95-Am-243
-100.0 To 419.6 %



MAT 9549

Dpa disappearance (mt102 -120)
Cross Section

95-Am-243
-100.0 To 4344. %



MAT 9549

(n,2n): 95-Am-242m2

95-Am-243

Radionuclide Production Cross Section -35.78 To 1010. %

