

Program Complot
(Version 2018-1)

by

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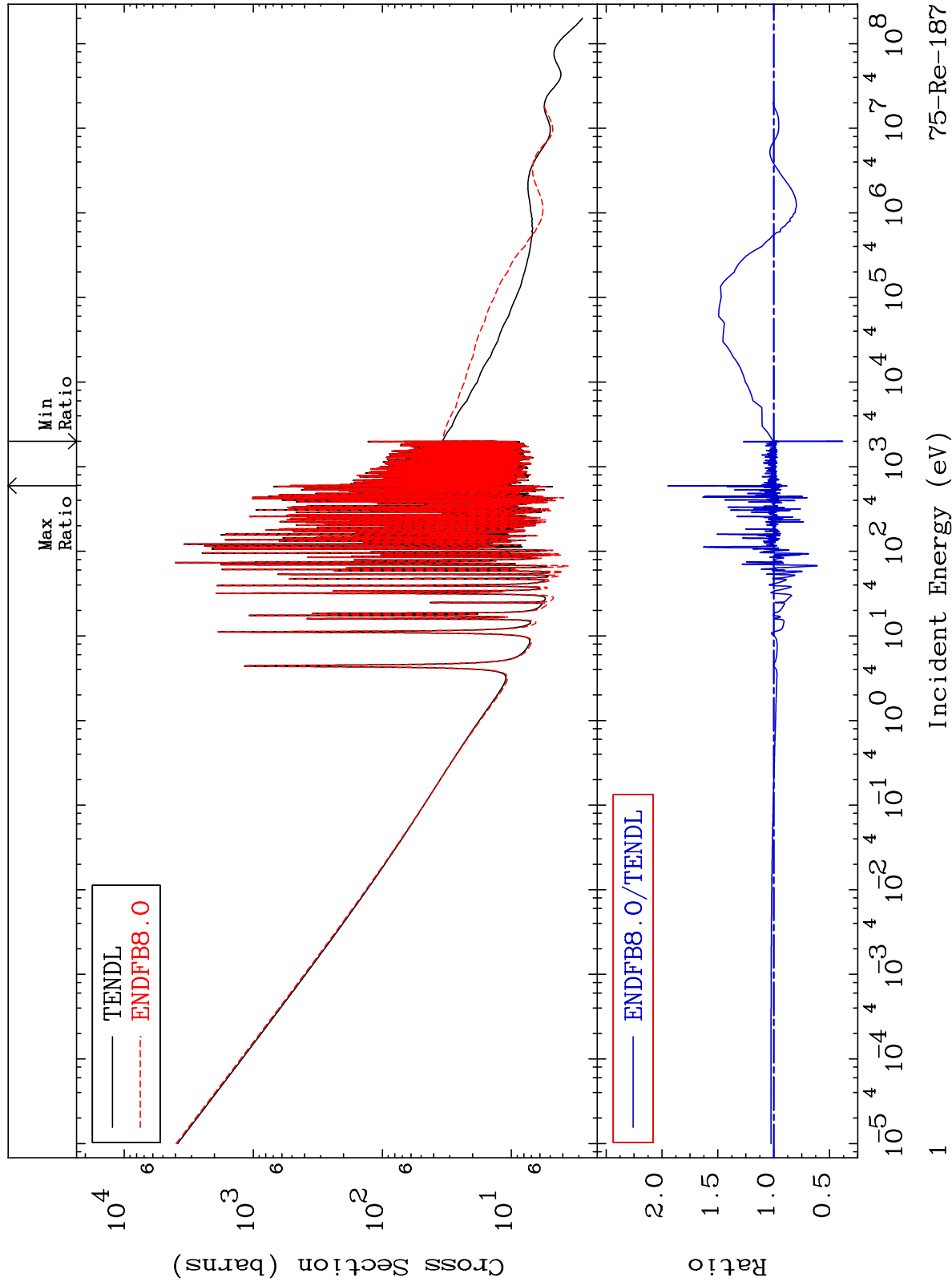
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7531

Total
Cross Section

75-Re-187
-61.83 To 94.58 %



75-Re-187

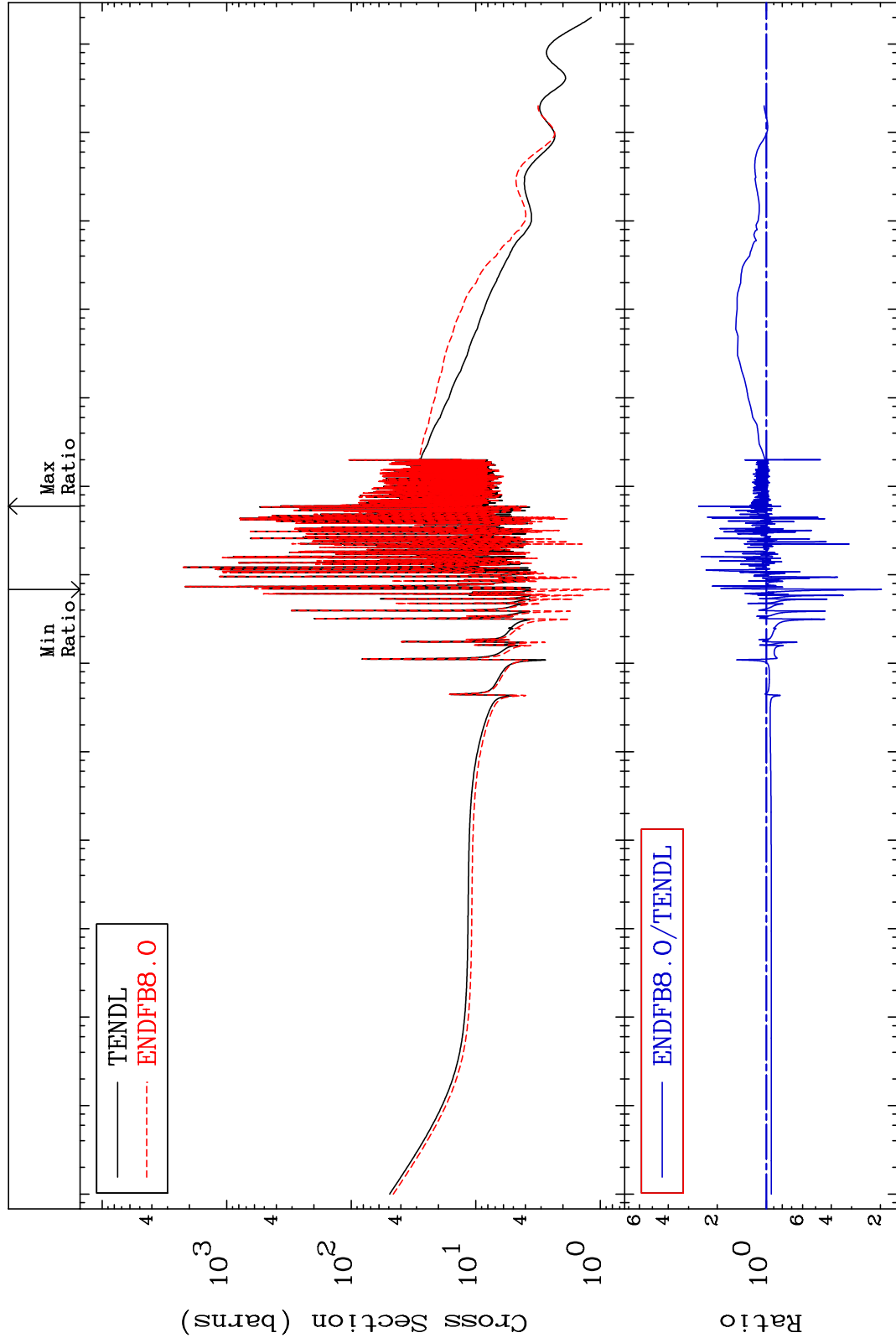
MAT 7531

Elastic

75-Re-187

-80.34 To 160.1 %

Cross Section



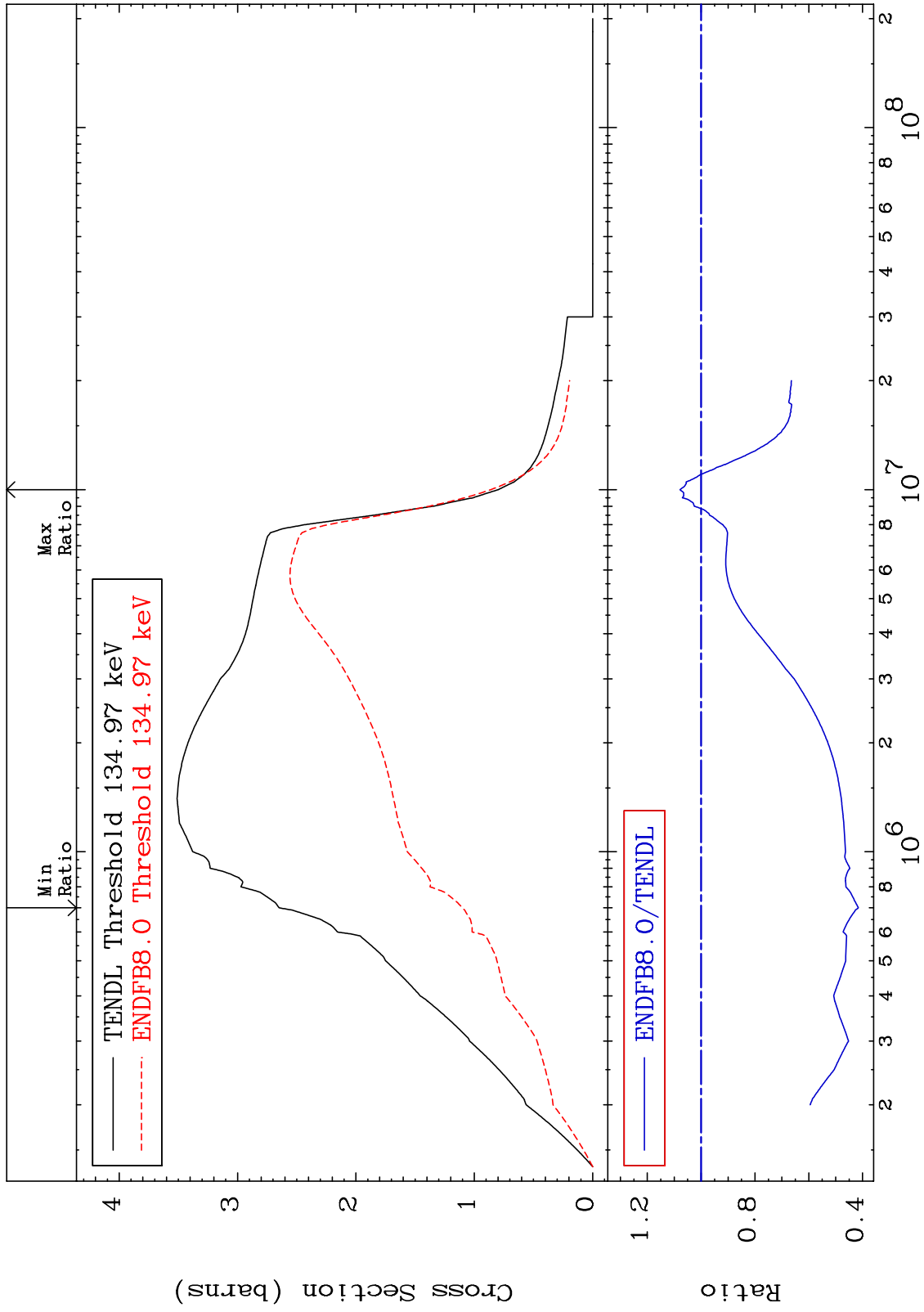
2

Incident Energy (eV)

75-Re-187

MAT 7531

Inelastic Cross Section
75-Re-187
-58.46 To 7.852 %



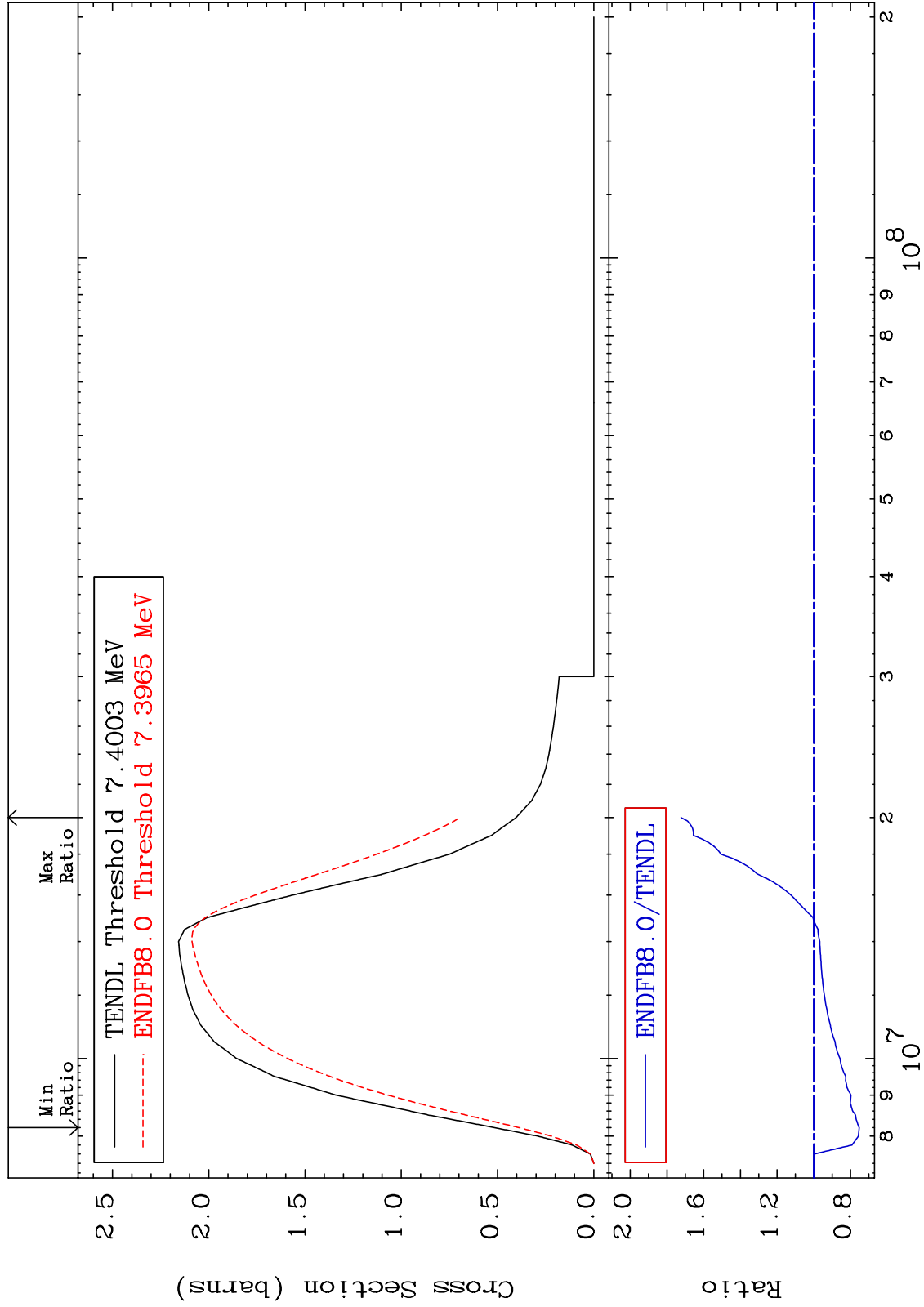
MAT 7531

(n, 2n)

75-Re-187

Cross Section

-24.77 To 72.32 %



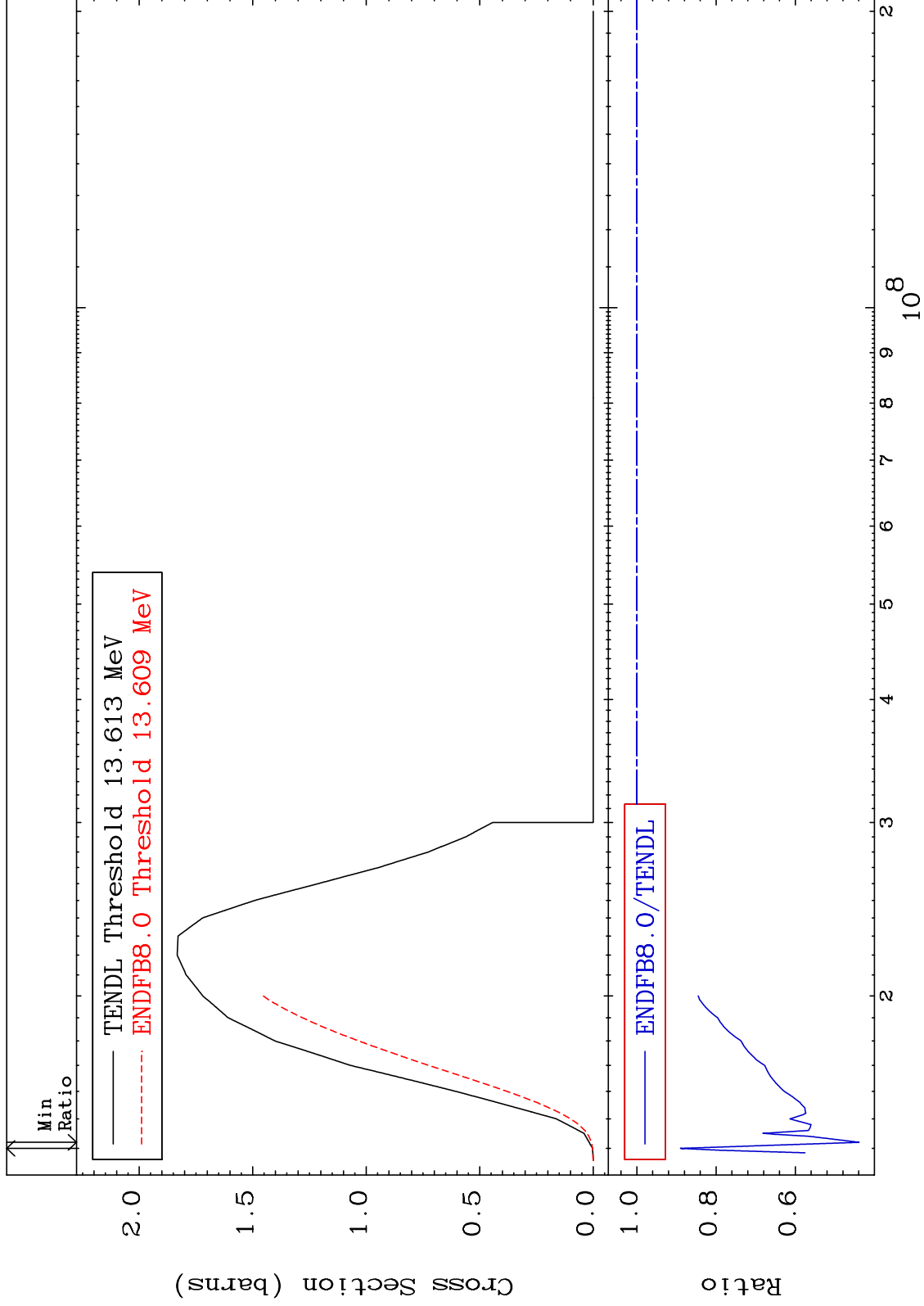
MAT 7531

(n, 3n)

75-Re-187

Cross Section

-56.11 To -11.05%



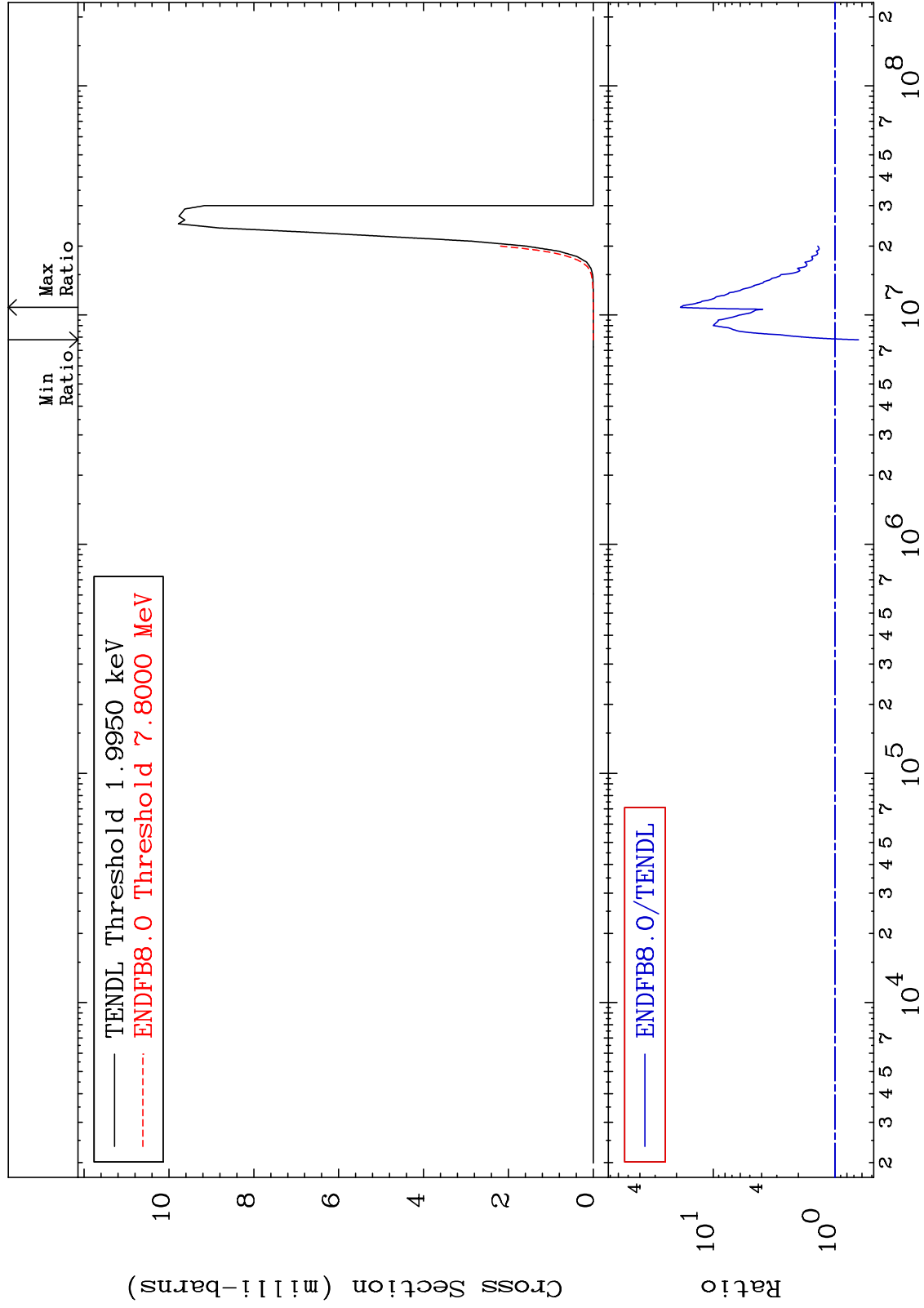
MAT 7531

(n,n') α

Cross Section

75-Re-187

-35.86 To 1756. %



6

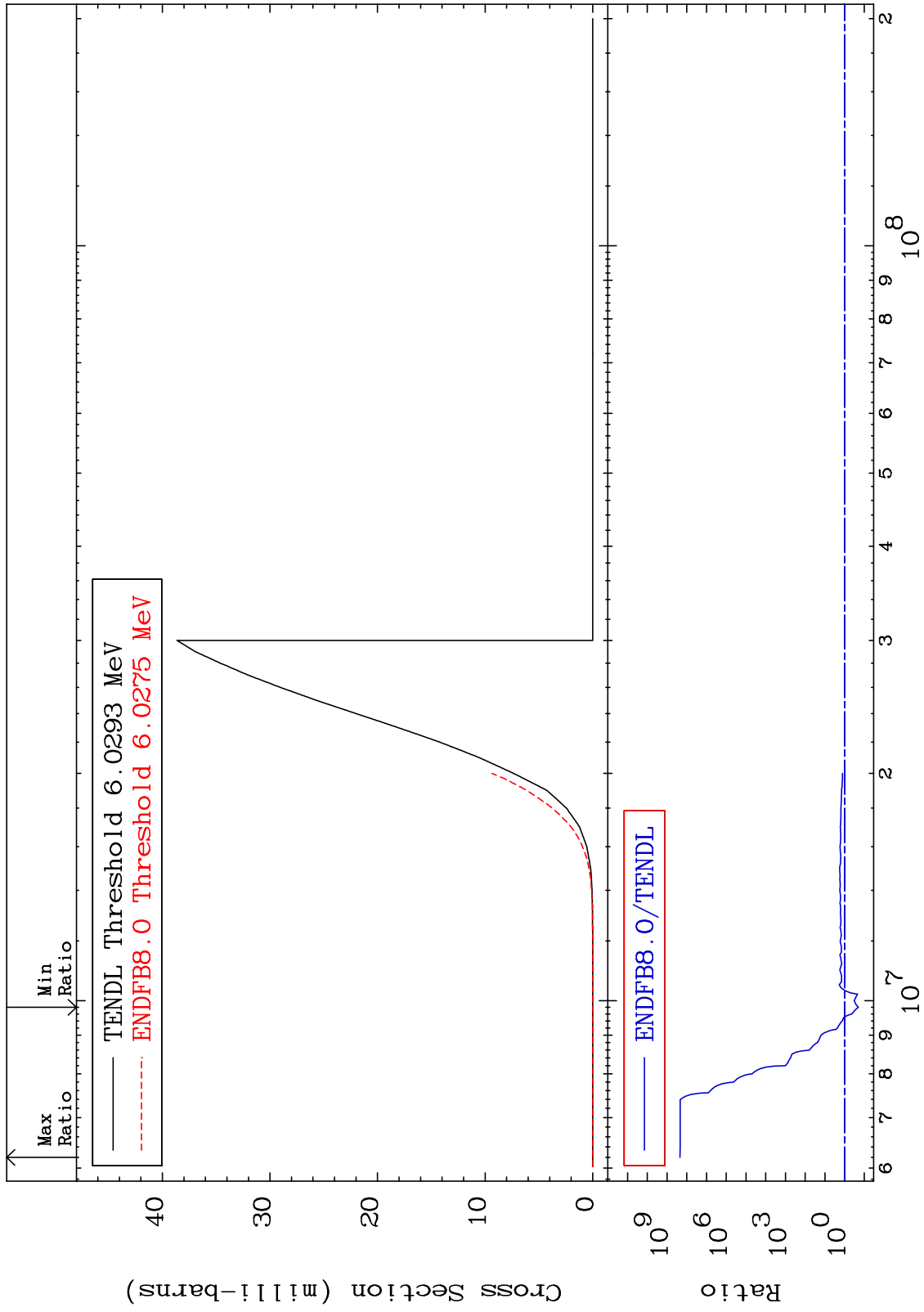
Incident Energy (eV)

75-Re-187

MAT 7531

(n,n') p
Cross Section

75-Re-187
-79.99 To 9999. %



7

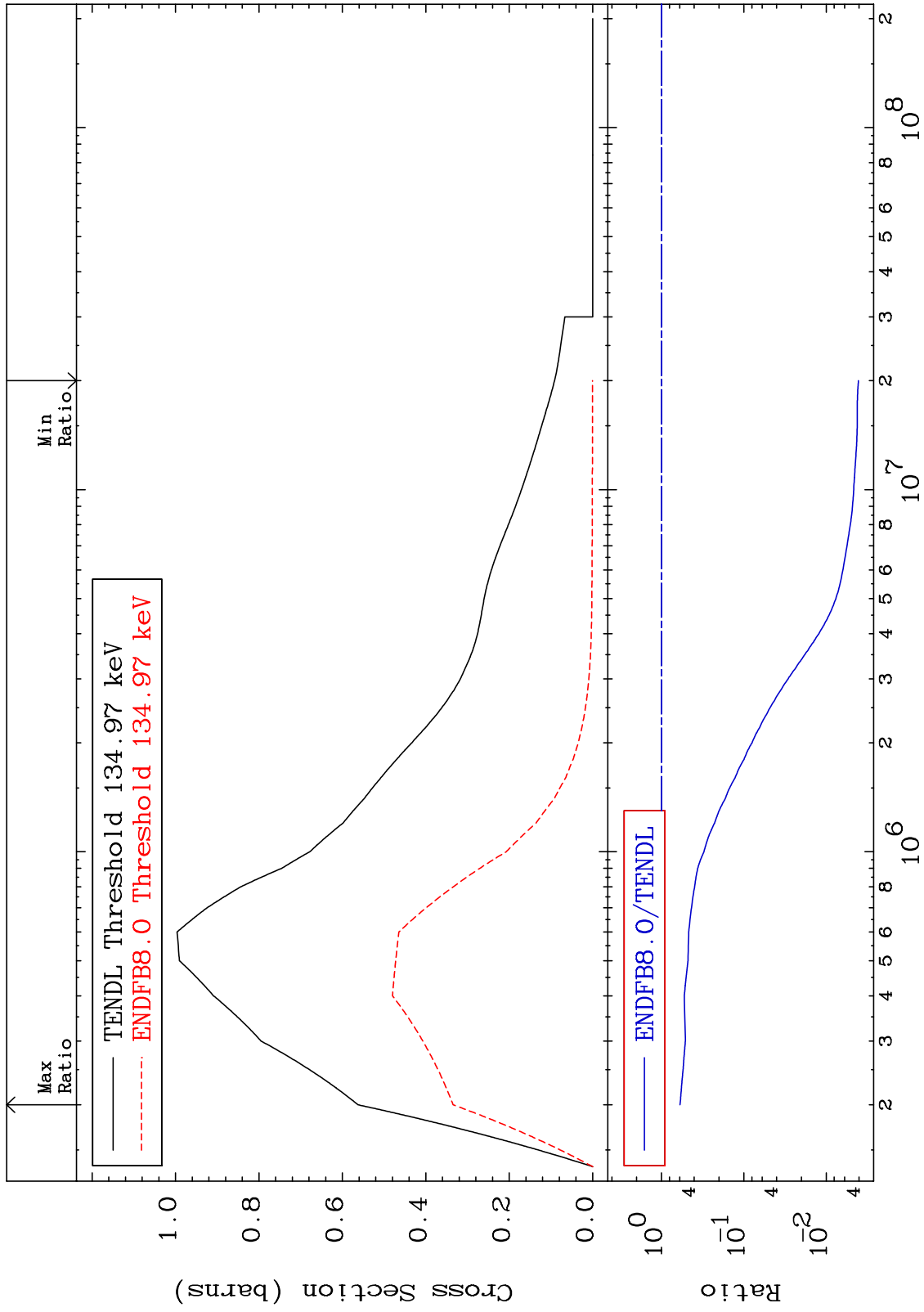
Incident Energy (eV)

75-Re-187

MAT 7531

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

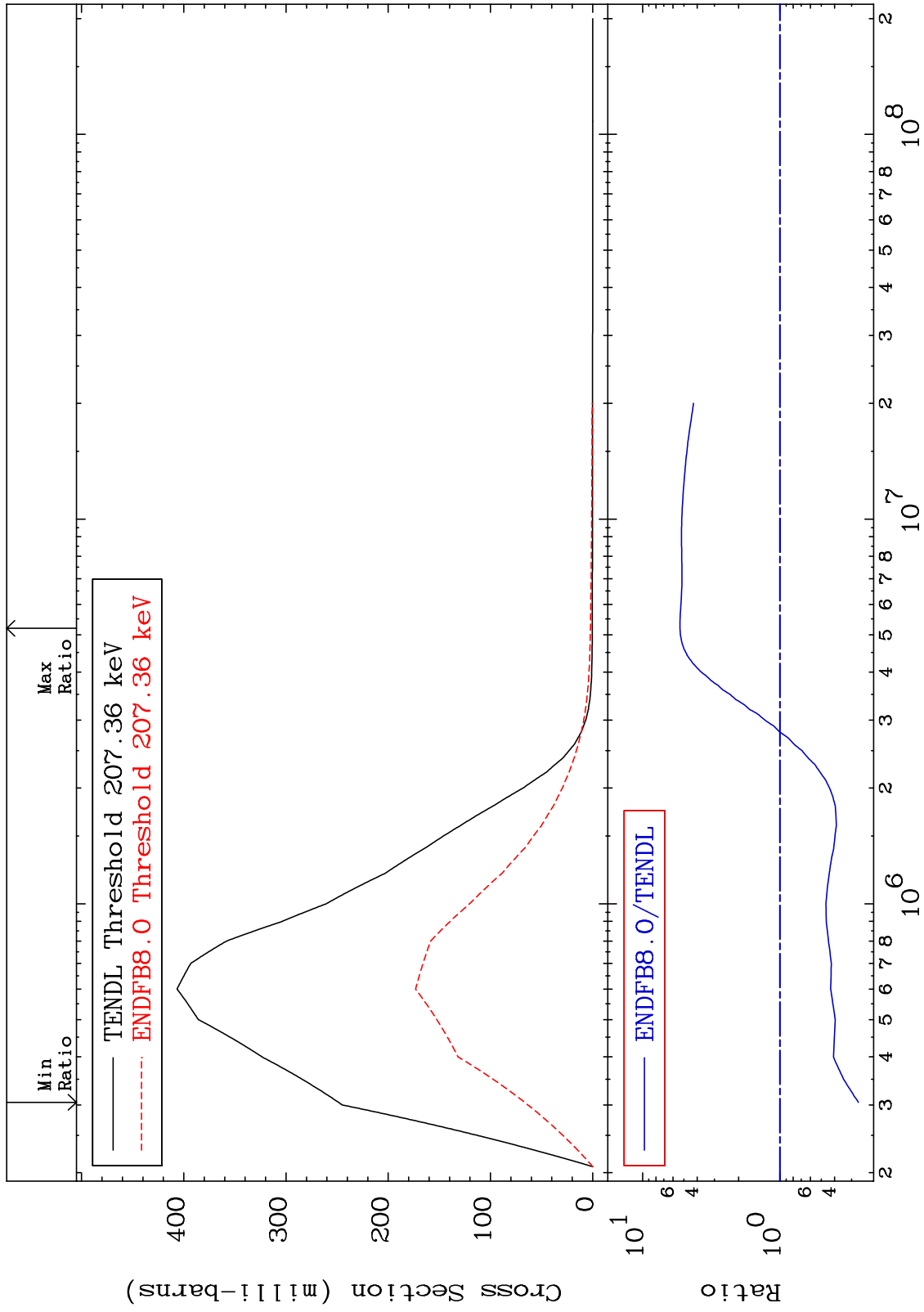
75-Re-187
-99.59 To -40.52%



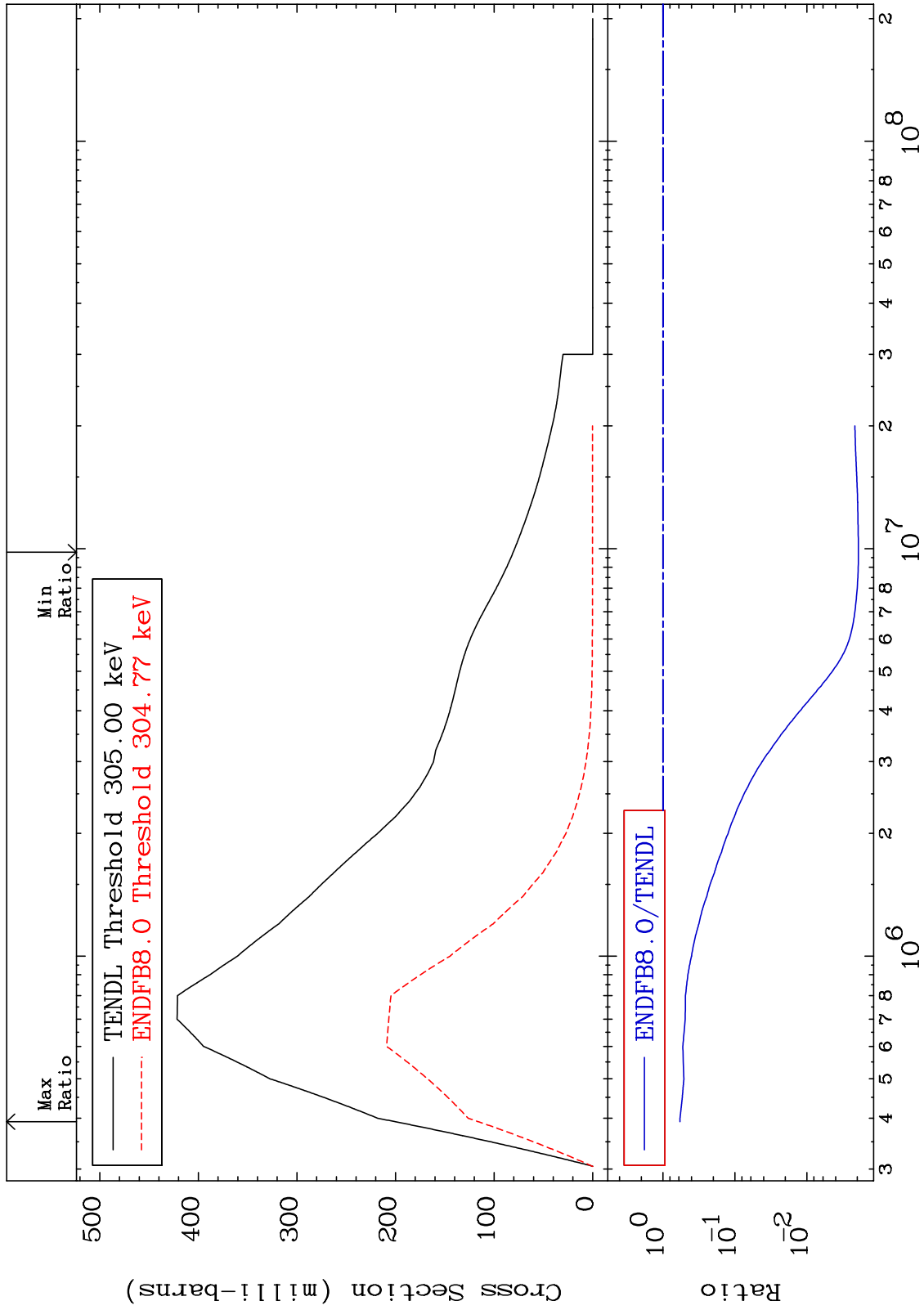
MAT 7531

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

75-Re-187
-73.22 To 433.5 %



MAT 7531 MT= 53 (n,n') Level Cross Section 75-Re-187 -99.81 To -42.09%

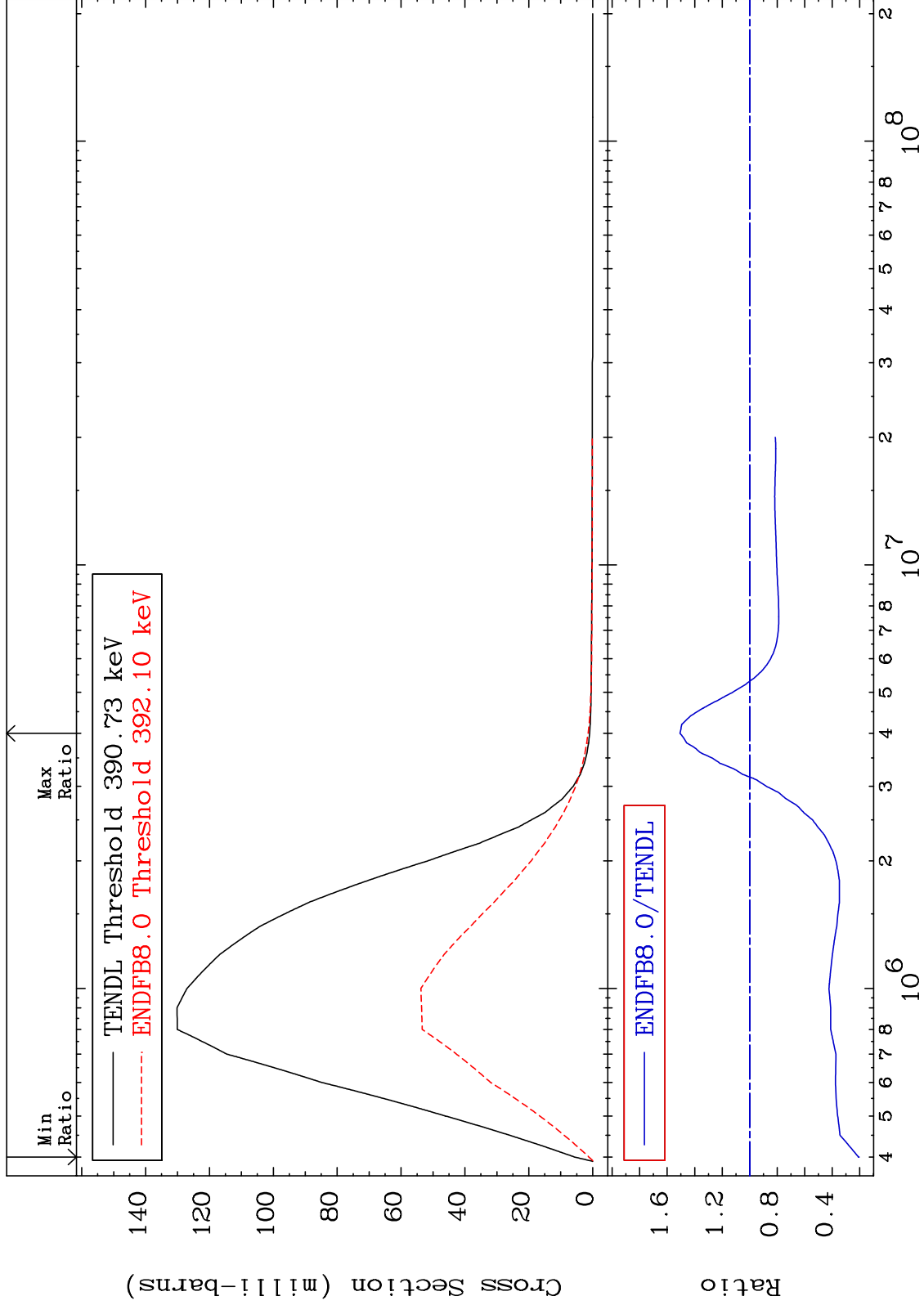


Incident Energy (eV) 75-Re-187

MAT 7531

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

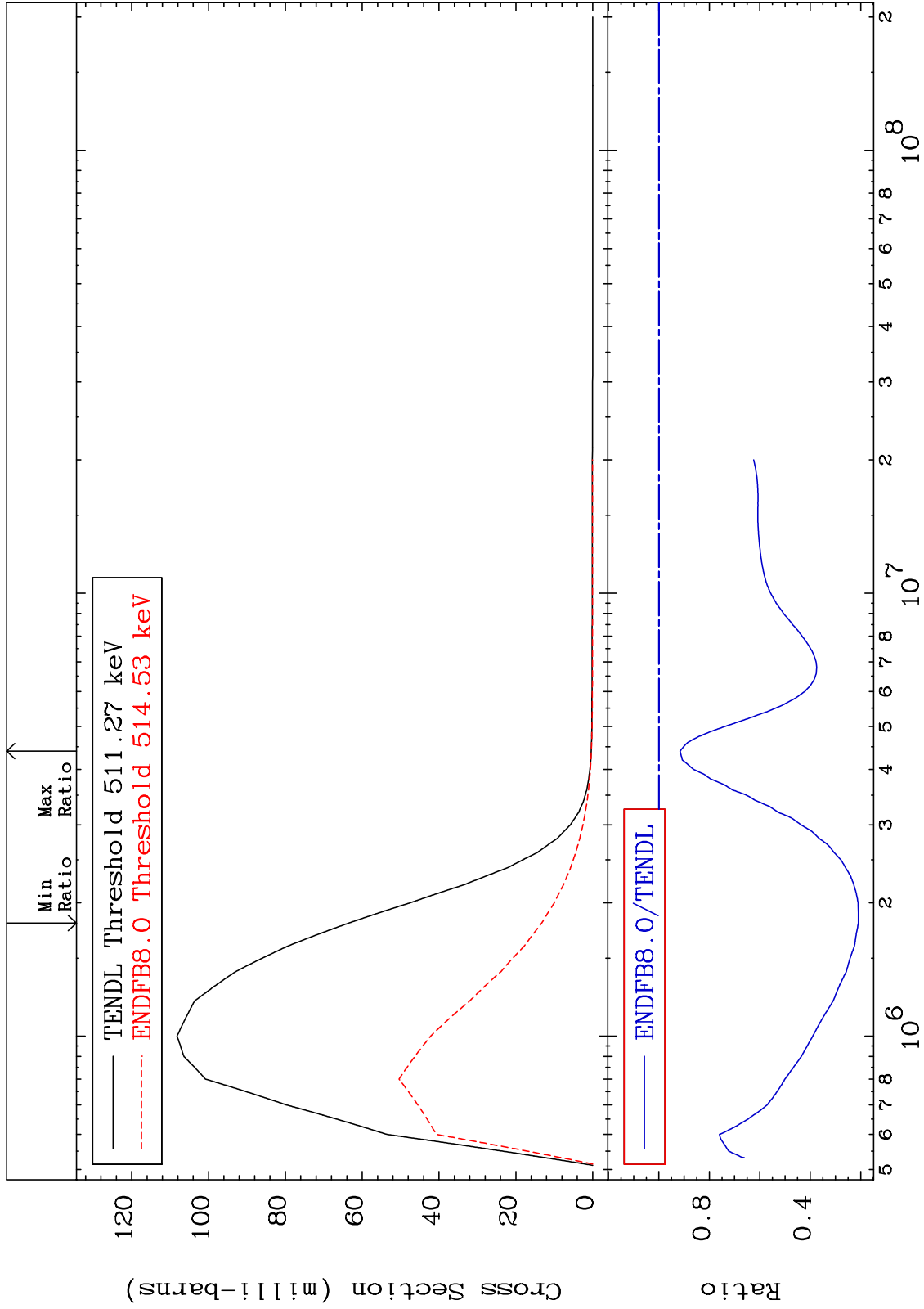
75-Re-187
-79.07 To 50.66 %



MAT 7531

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

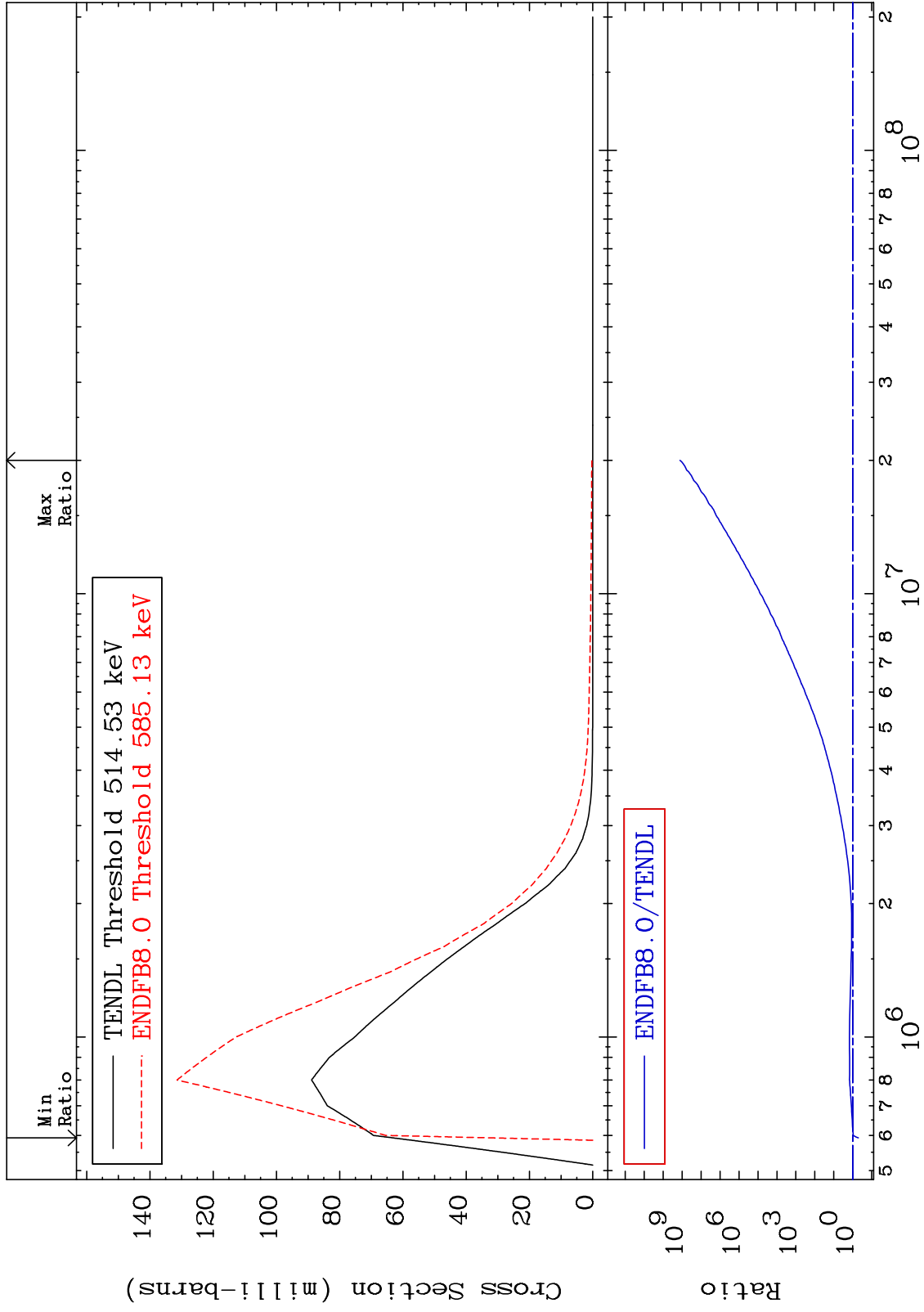
75-Re-187
-79.11 To -8.381%



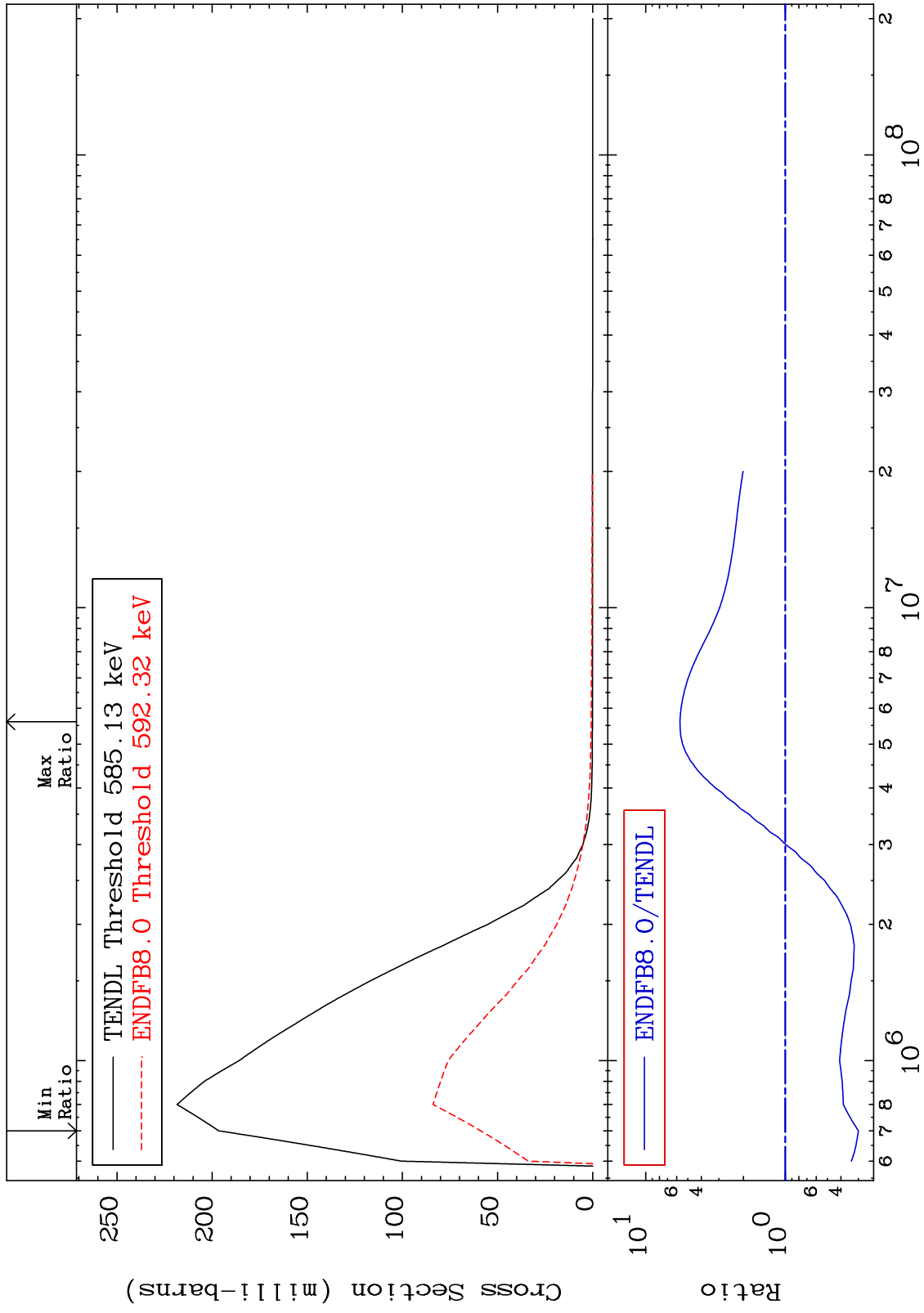
MAT 7531

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

75-Re-187
-49.80 To 9999. %



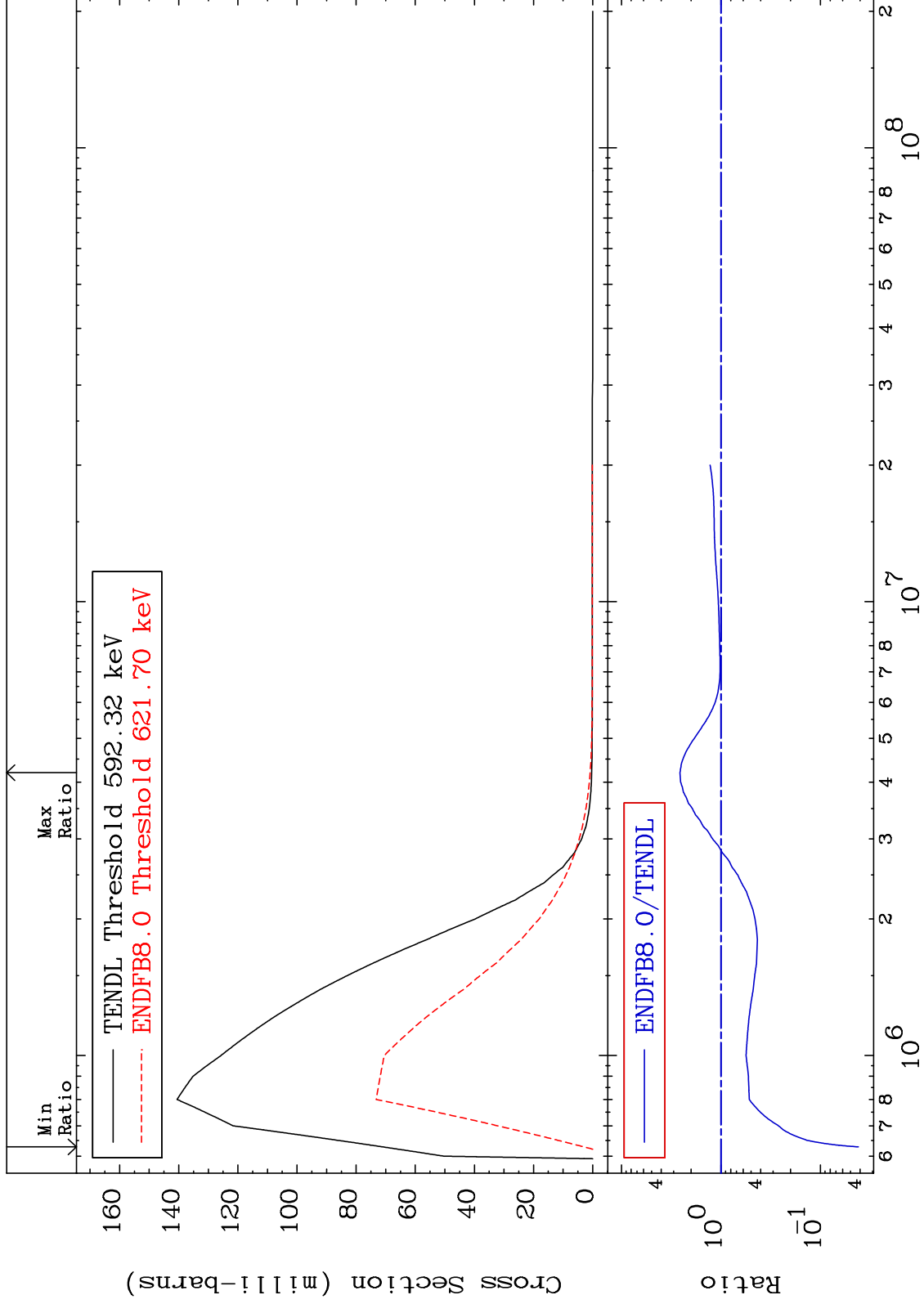
MAT 7531 MT= 57 (n, n') Level Cross Section -70.04 To 468.7 % 75-Re-187



MAT 7531

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

75-Re-187
-95.84 To 158.4 %



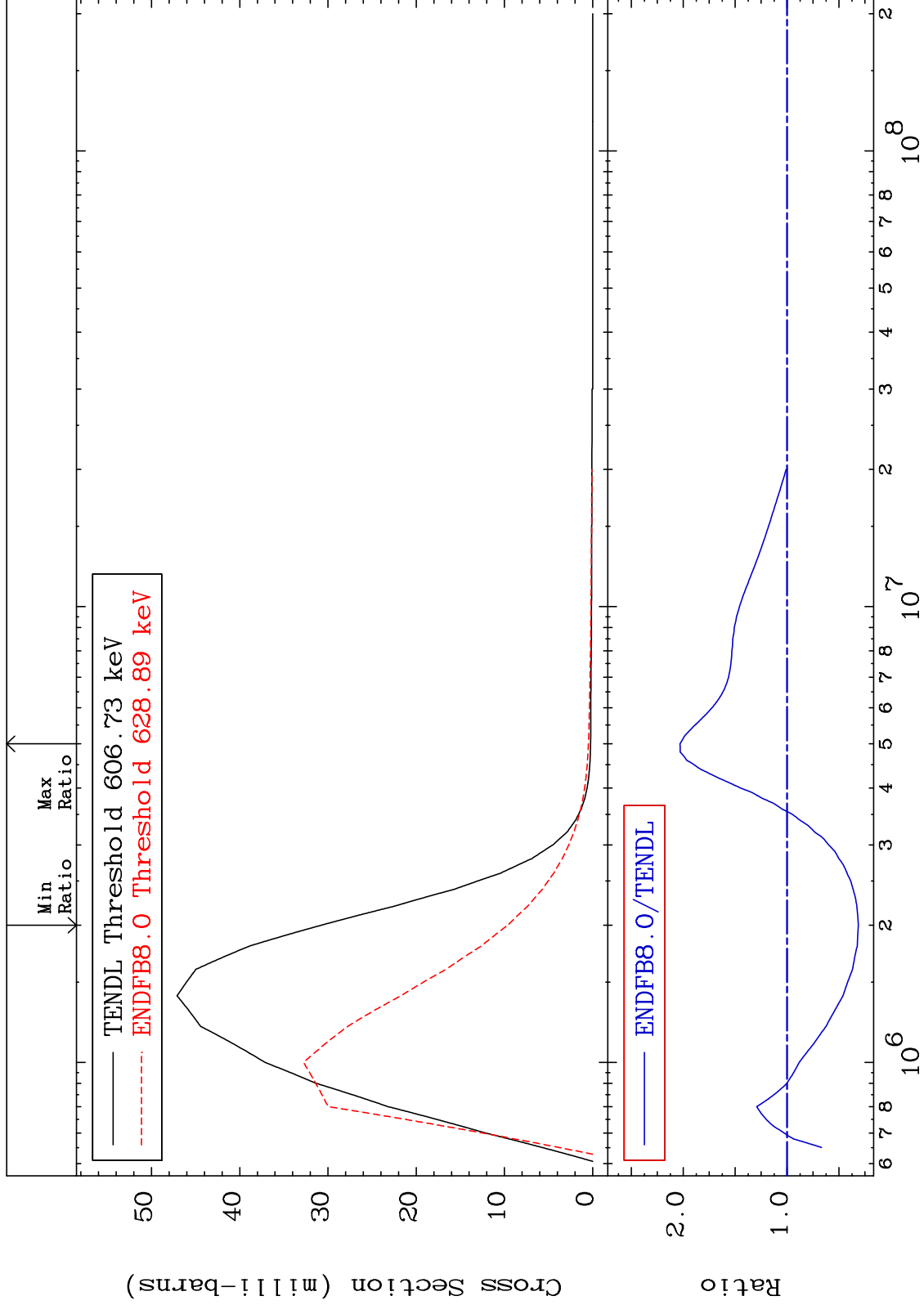
15

75-Re-187

MAT 7531

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

75-Re-187
-68.72 To 103.1 %



16

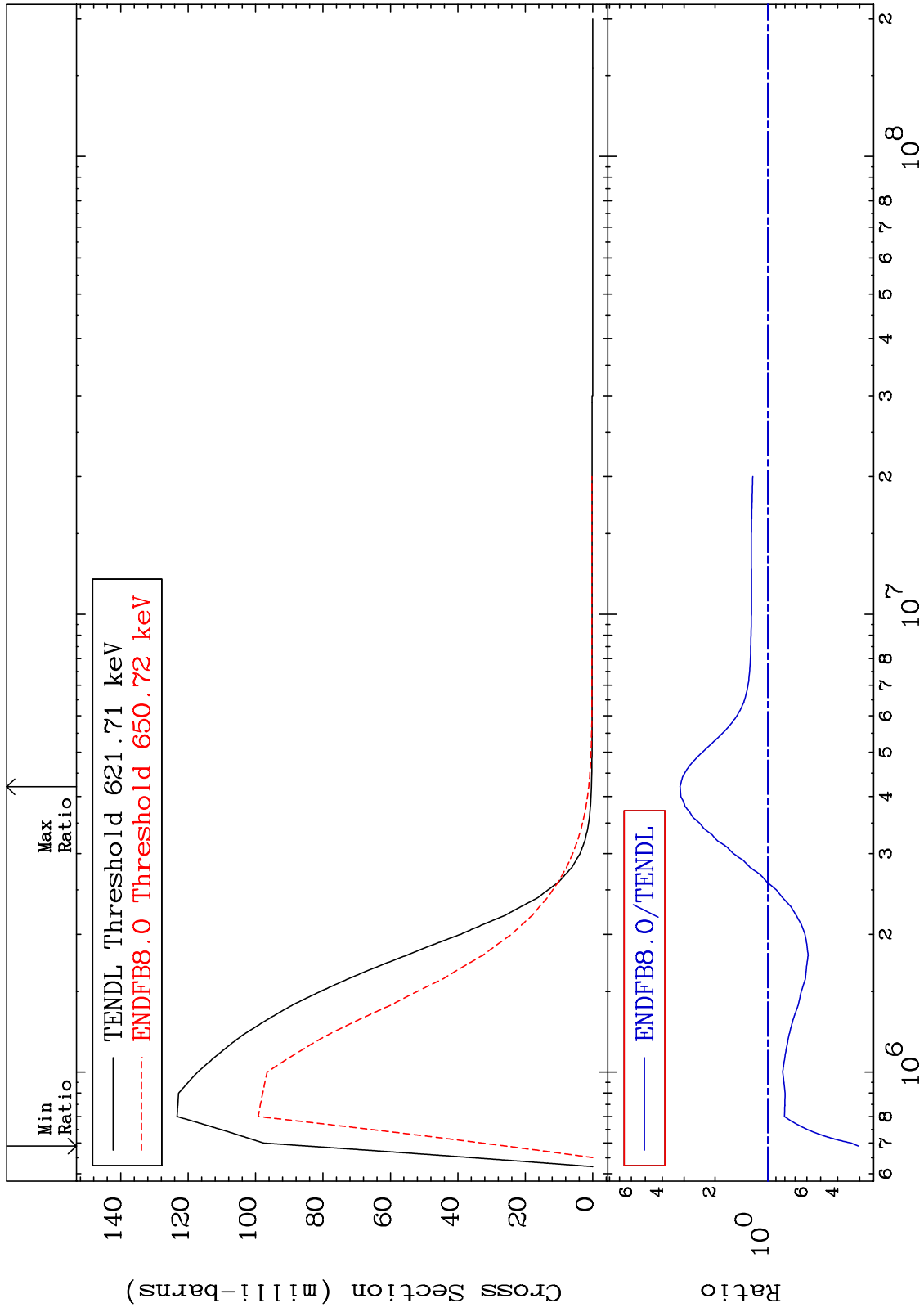
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-69.52 To 216.7 %



17

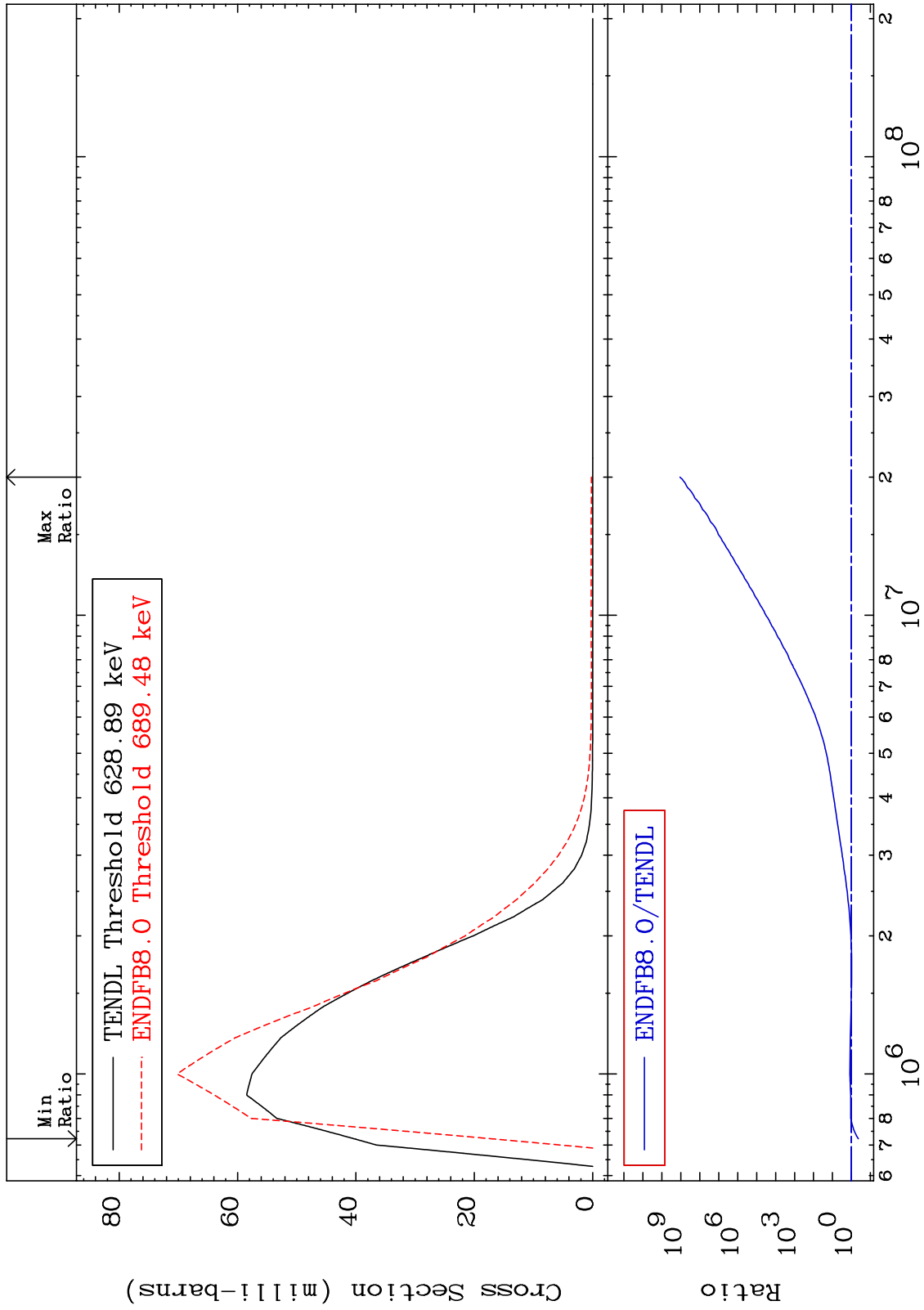
Incident Energy (eV)

75-Re-187

MAT 7531

MT= 61 (n,n') Level
Cross Section

75-Re-187
-57.13 To 9999. %



18

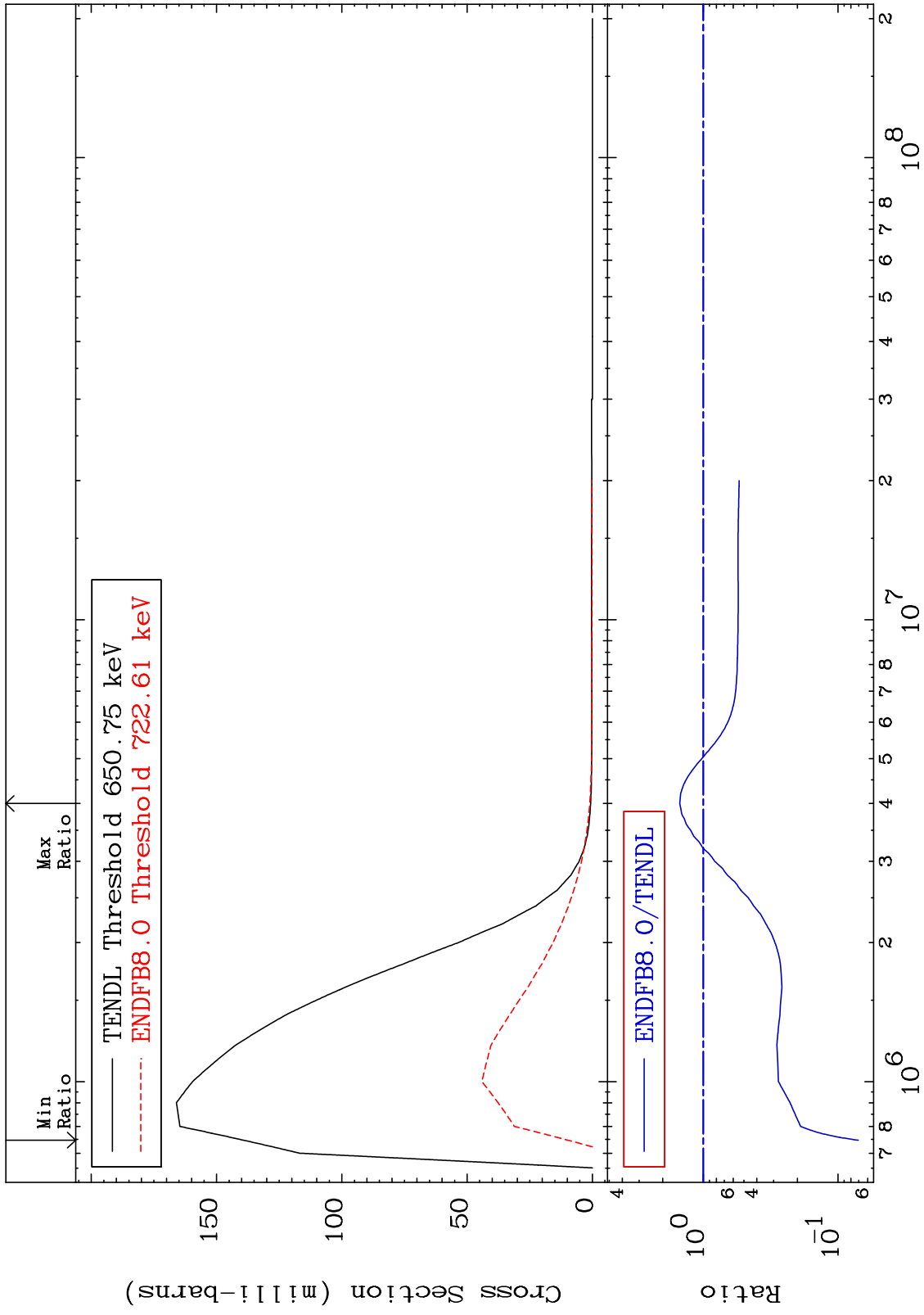
Incident Energy (eV)

75-Re-187

MAT 7531

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

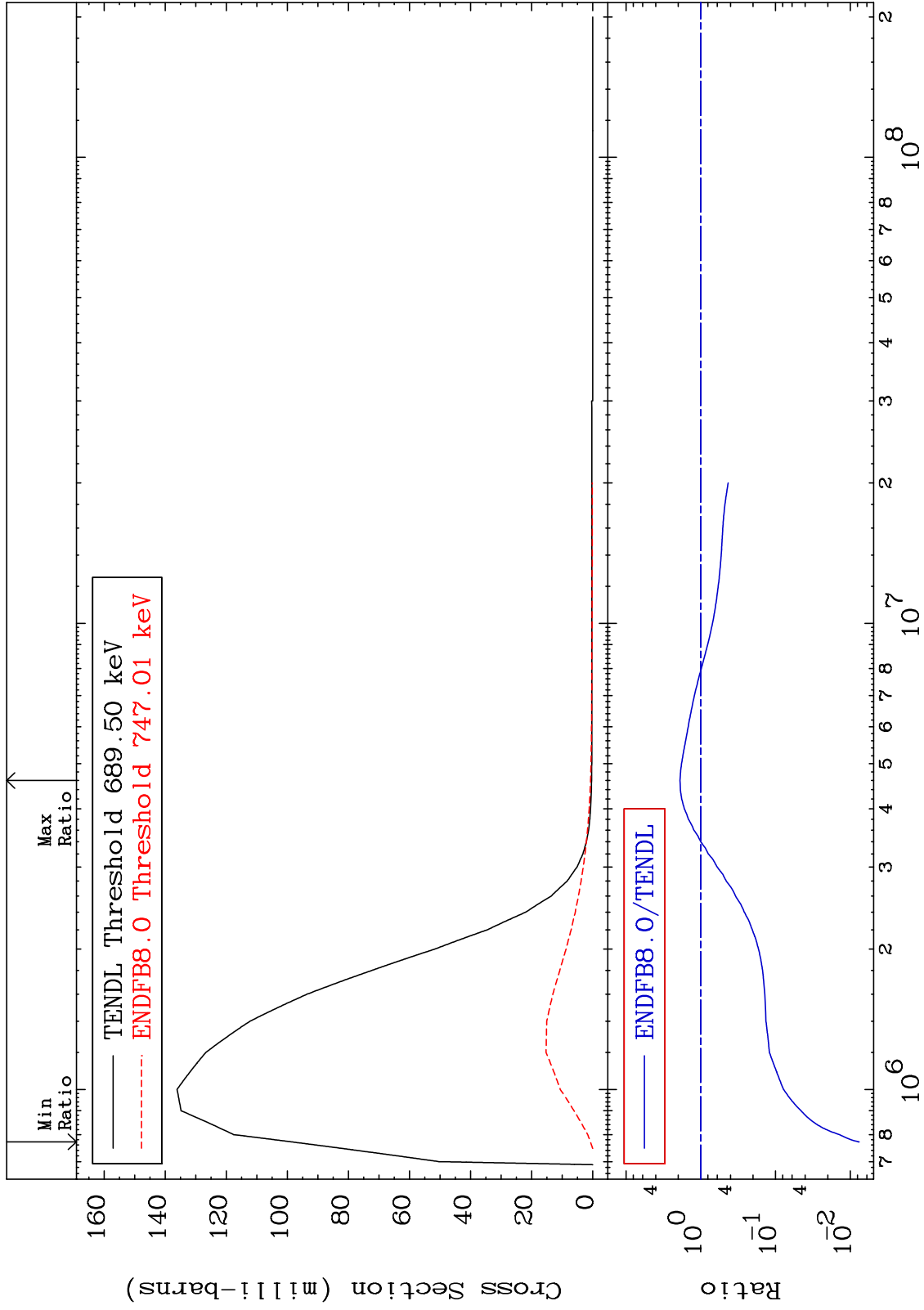
75-Re-187
-92.95 To 49.55 %



MAT 7531

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

75-Re-187
-99.22 To 89.27 %



20

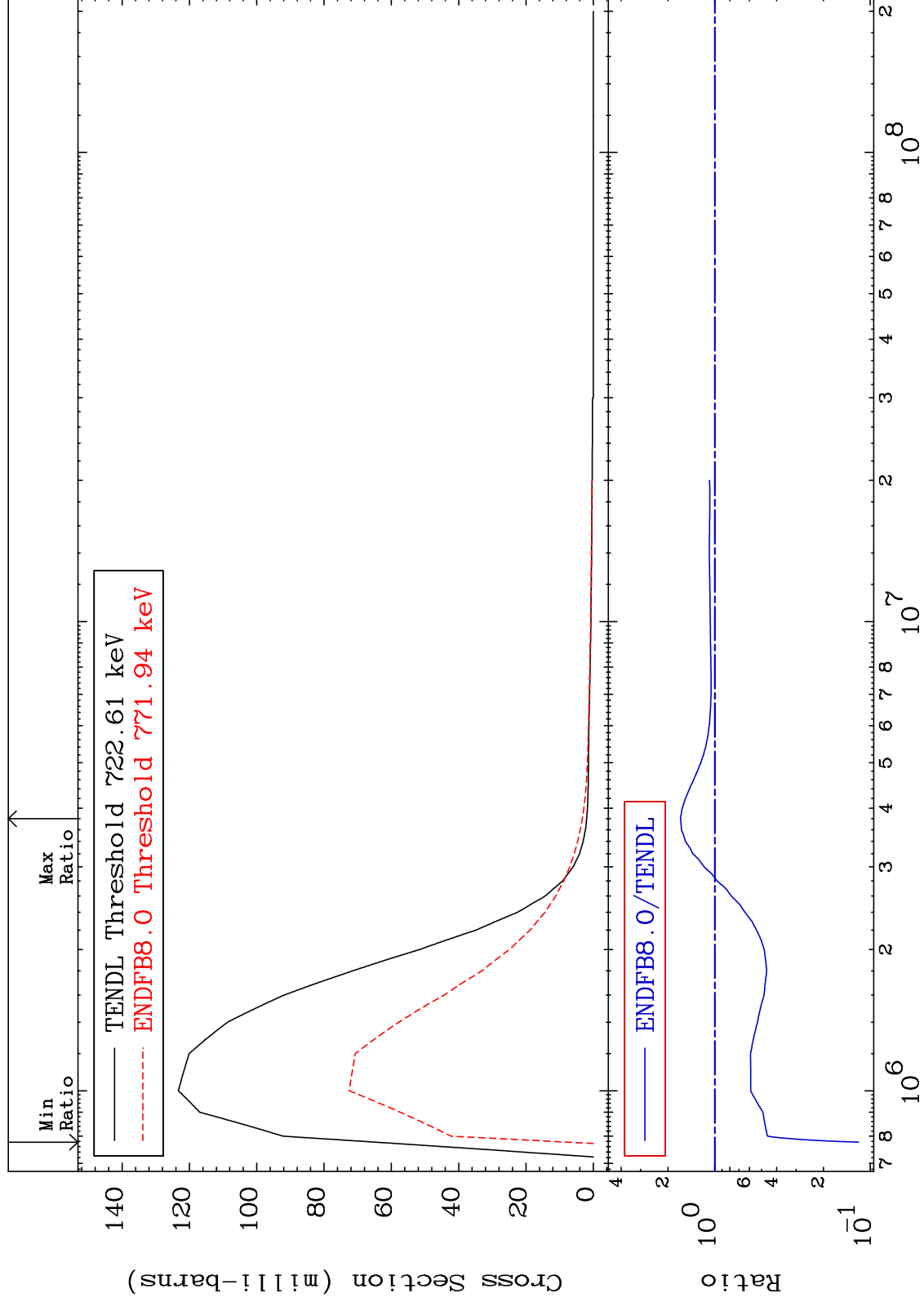
Incident Energy (eV)

75-Re-187

MAT 7531

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

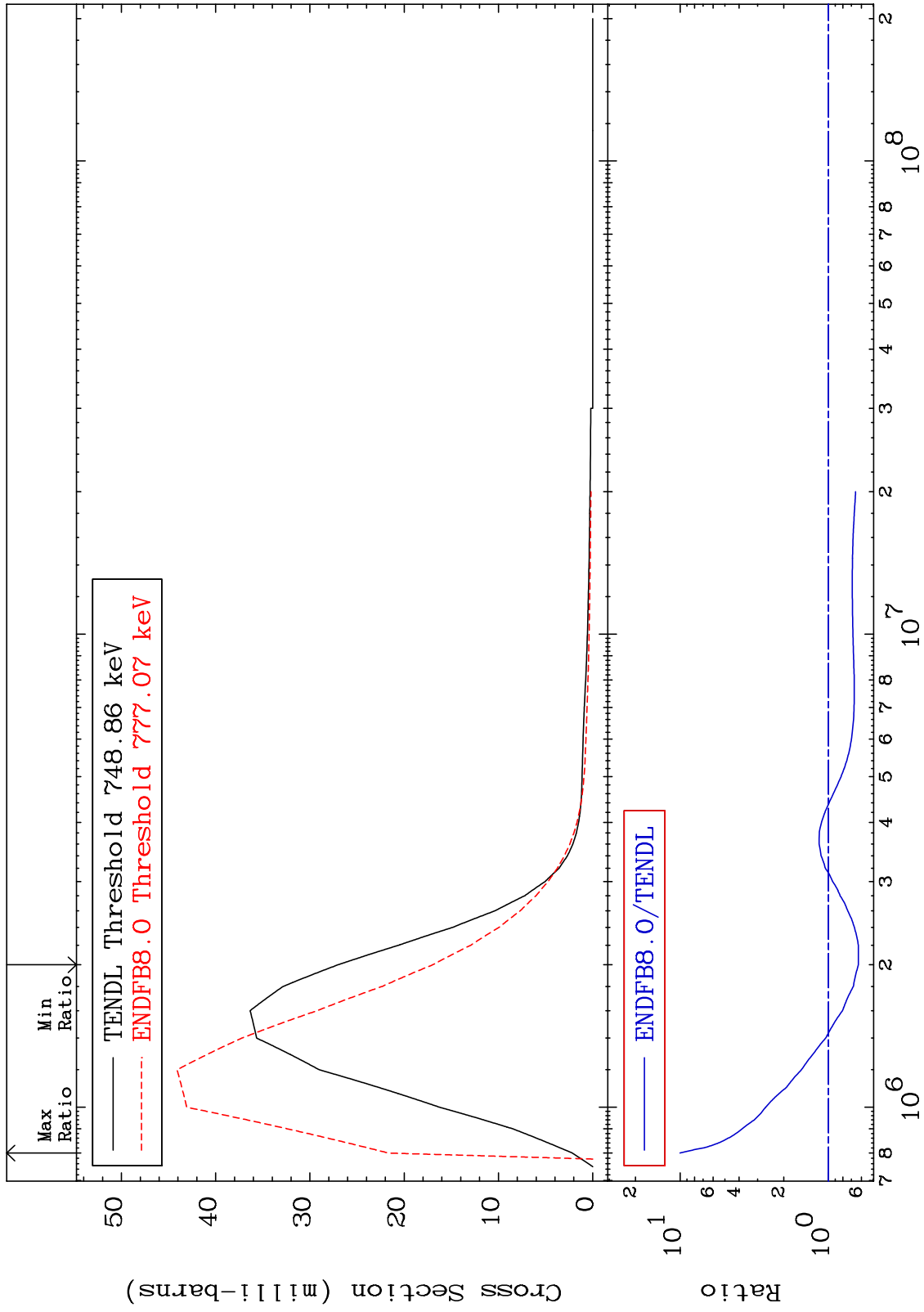
75-Re-187
-88.10 To 66.30 %



MAT 7531

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

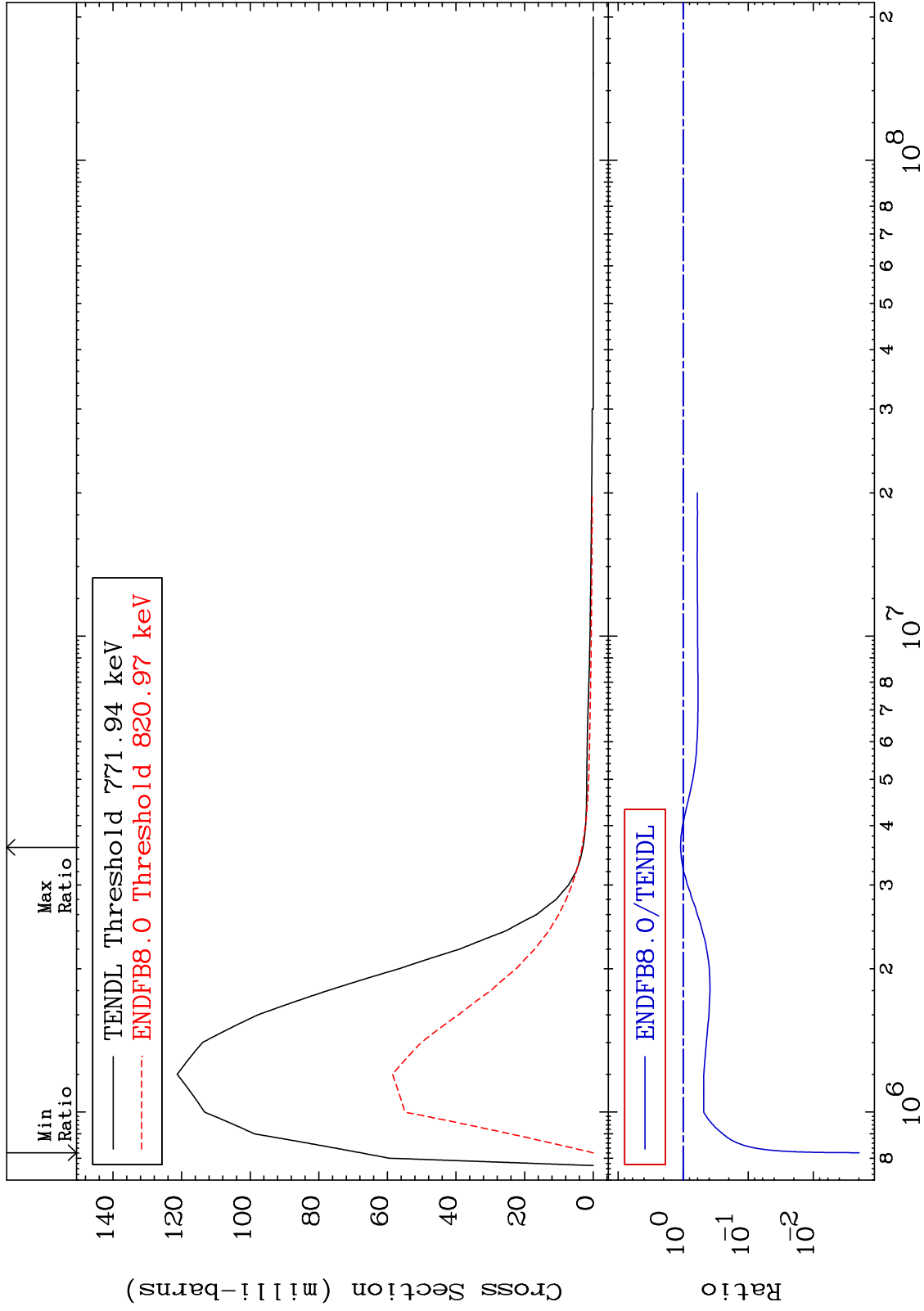
75-Re-187
-37.17 To 901.5 %



MAT 7531

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

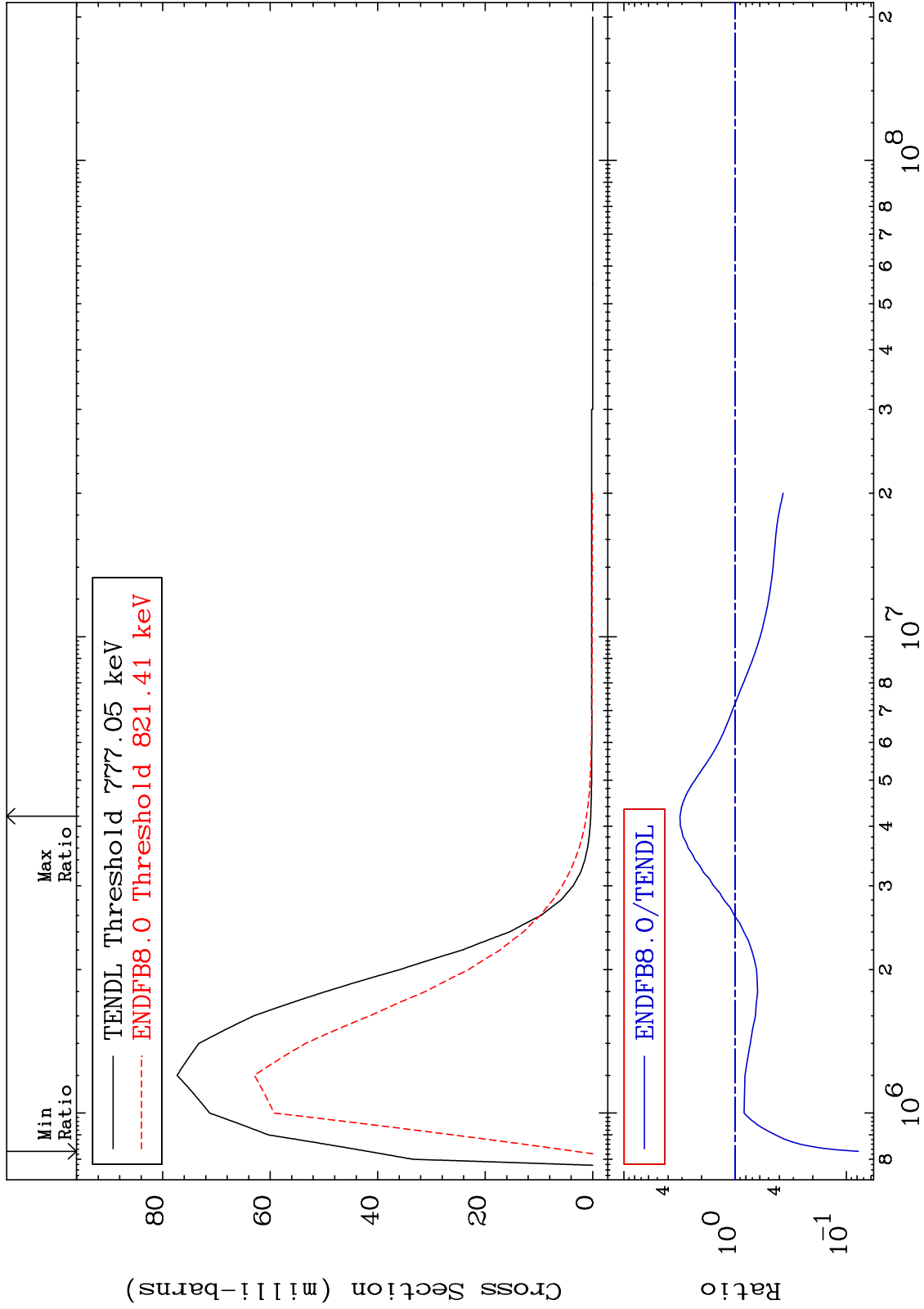
75-Re-187
-99.80 To 9.546 %



MAT 7531

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

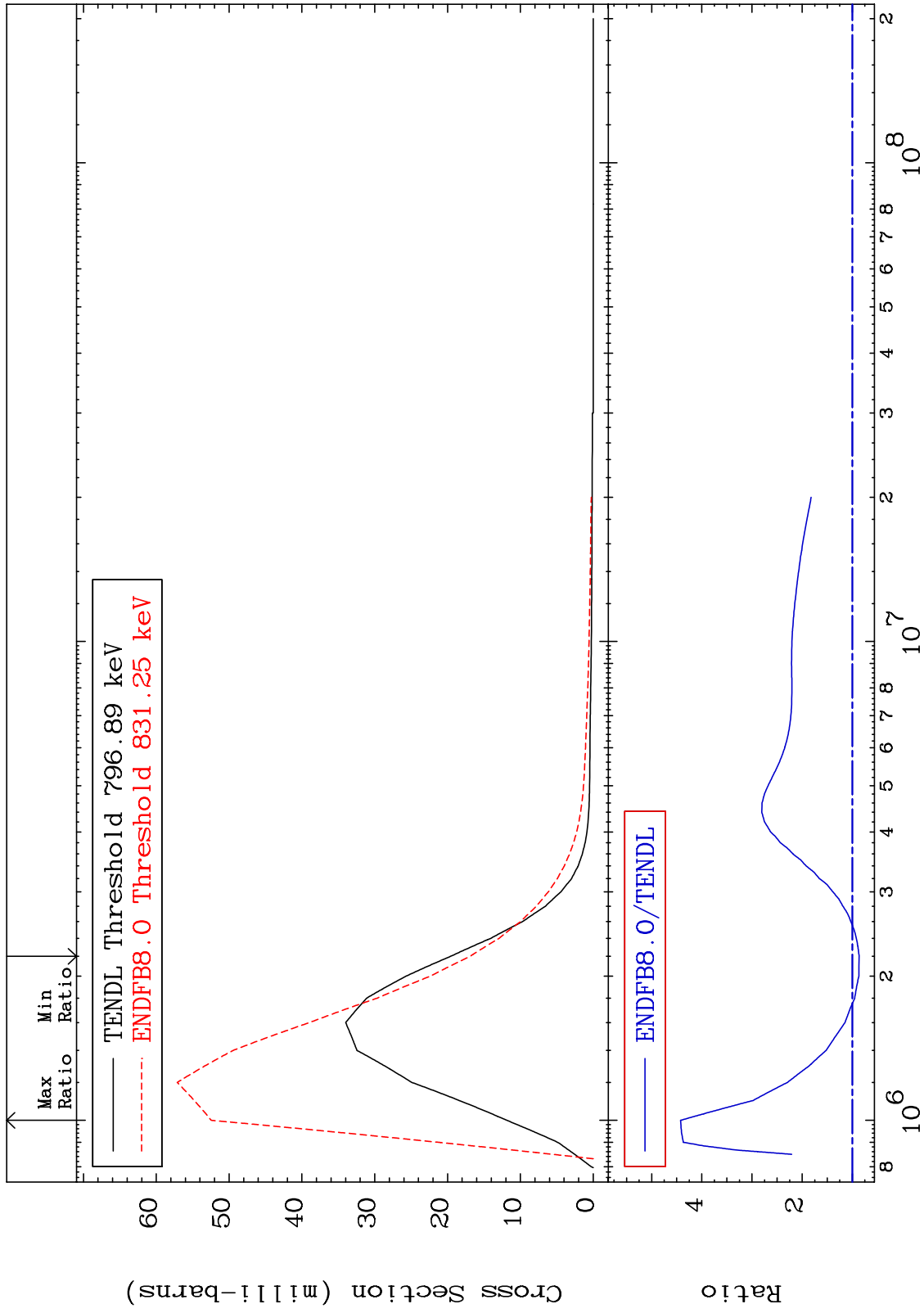
75-Re-187
-92.20 To 212.5 %



MAT 7531

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

75-Re-187
-13.63 To 342.2 %



25

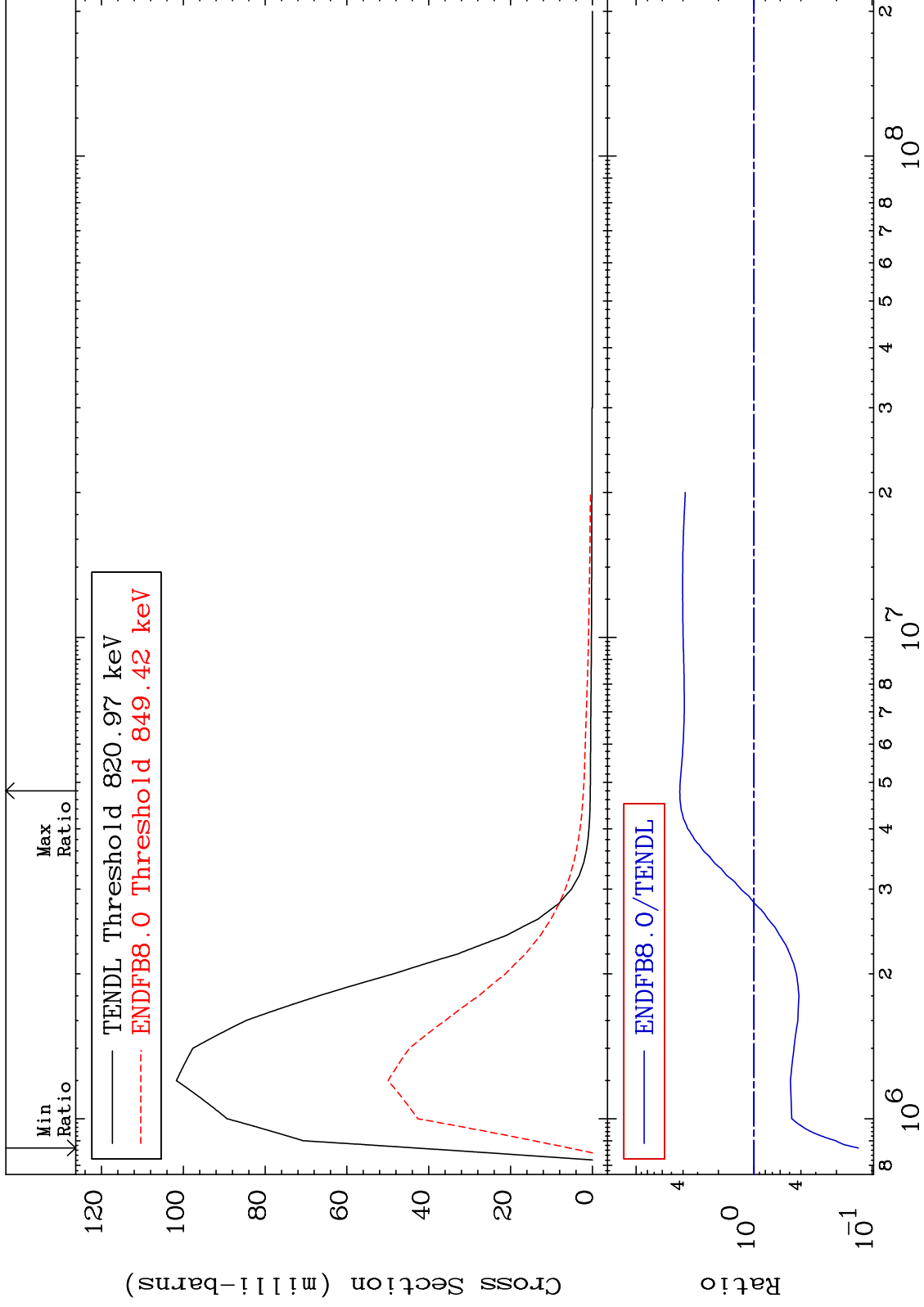
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-86.96 To 325.3 %



26

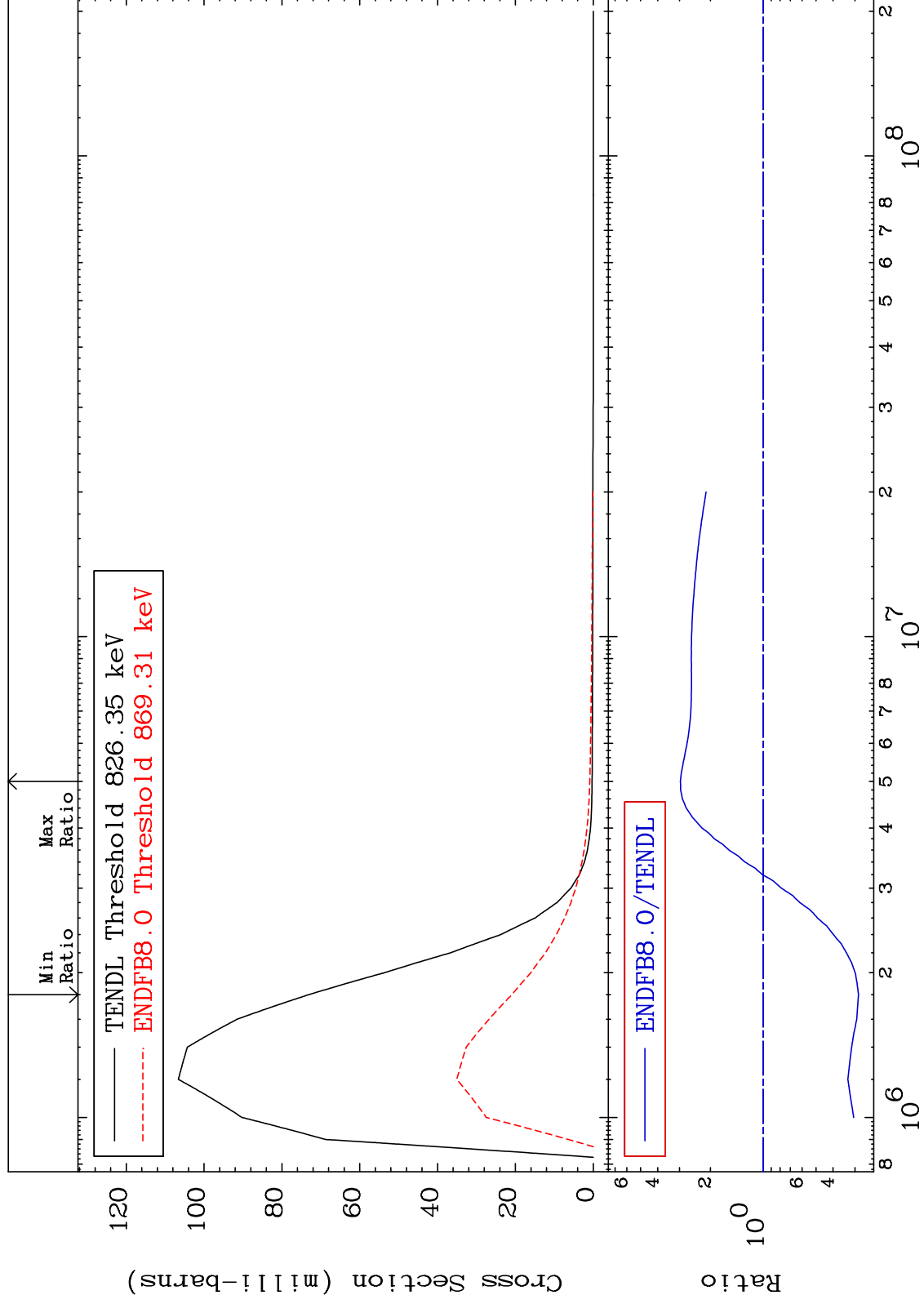
Incident Energy (eV)

75-Re-187

MAT 7531

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

75-Re-187
-71.40 To 196.4 %



27

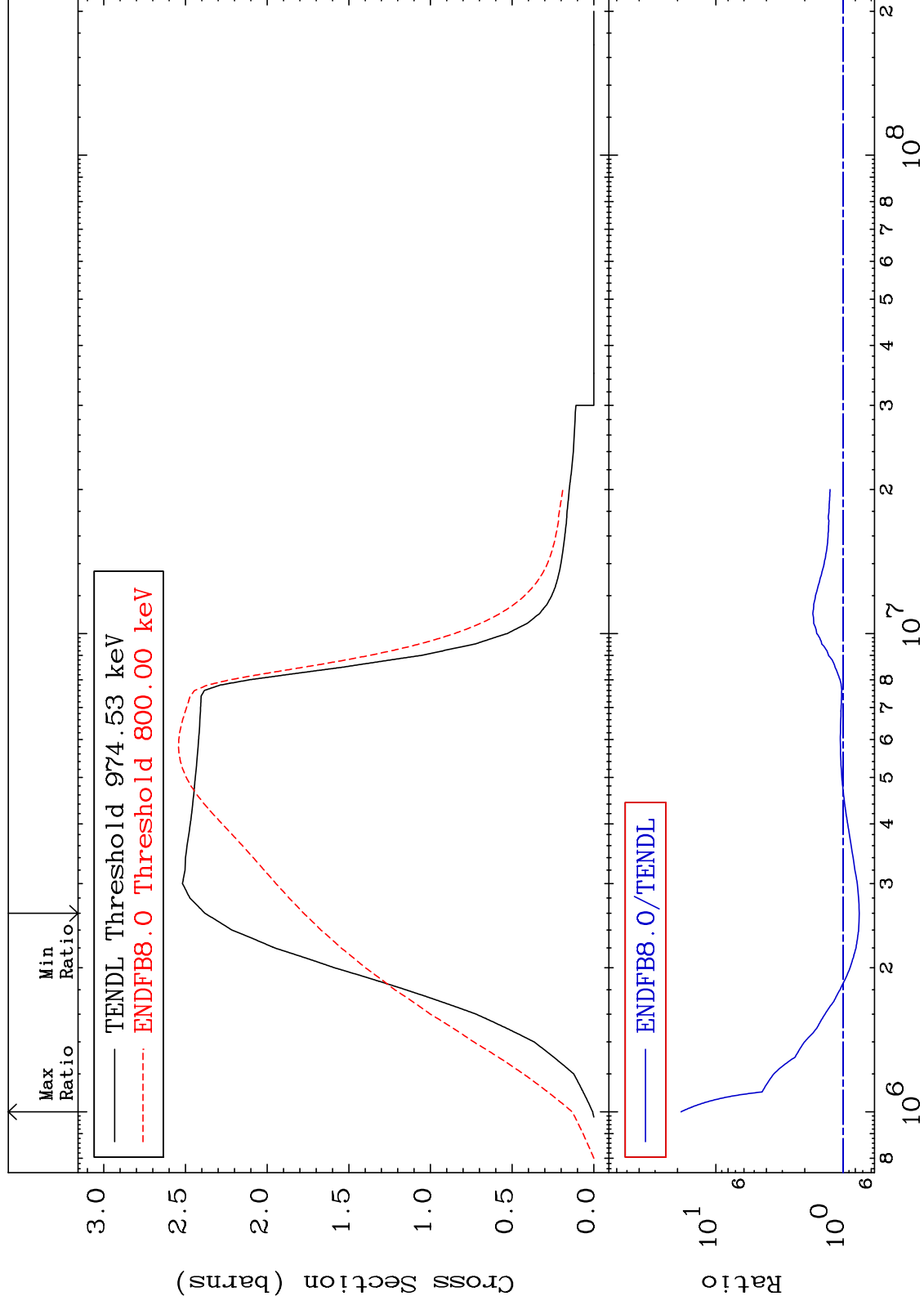
Incident Energy (eV)

75-Re-187

MAT 7531

(n, n') Continuum
Cross Section

⁷⁵Re-187
-25.42 To 1776. %



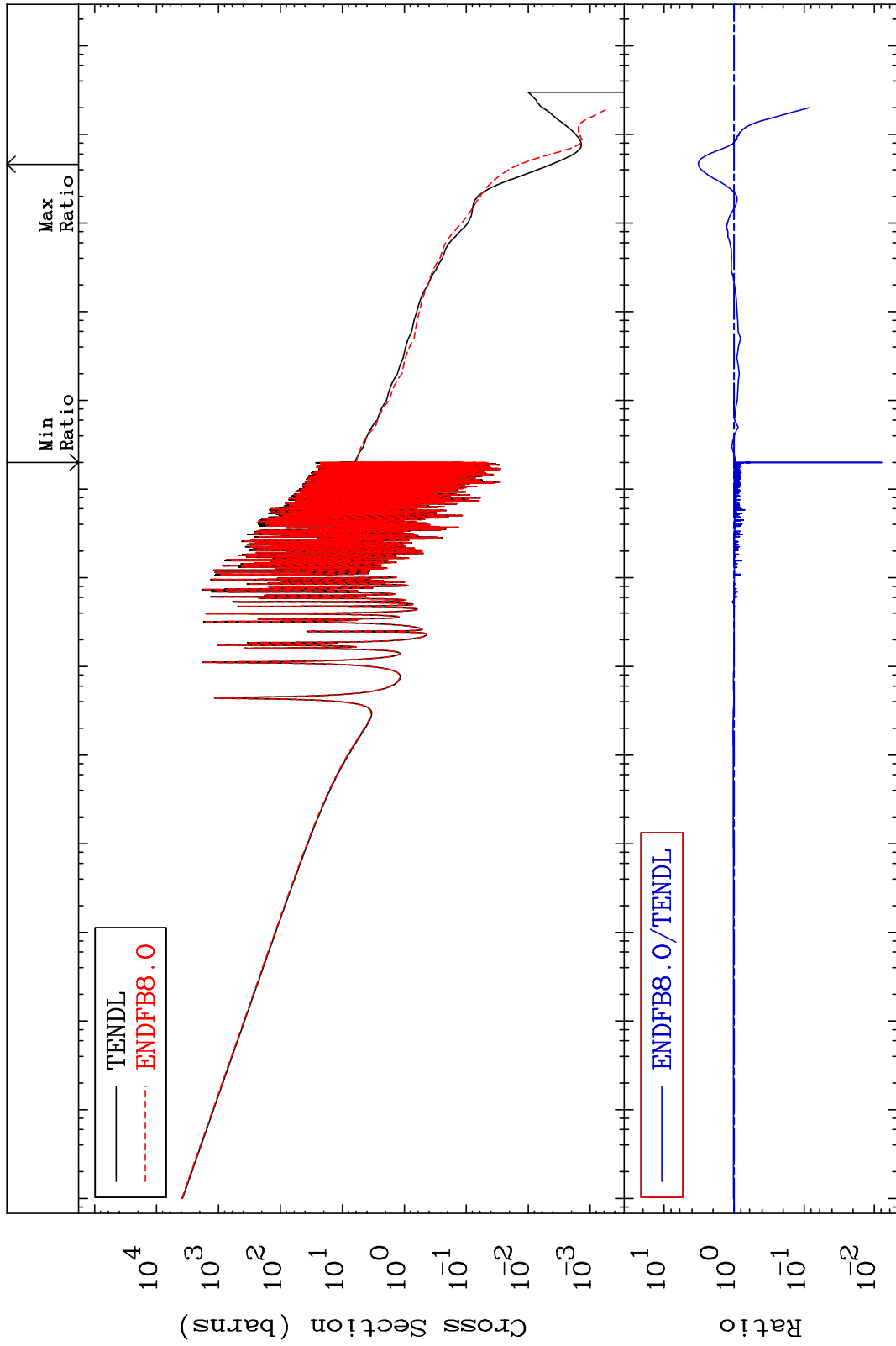
MAT 7531

(n, γ)

75-Re-187

Cross Section

-99.21 To 224.1 %



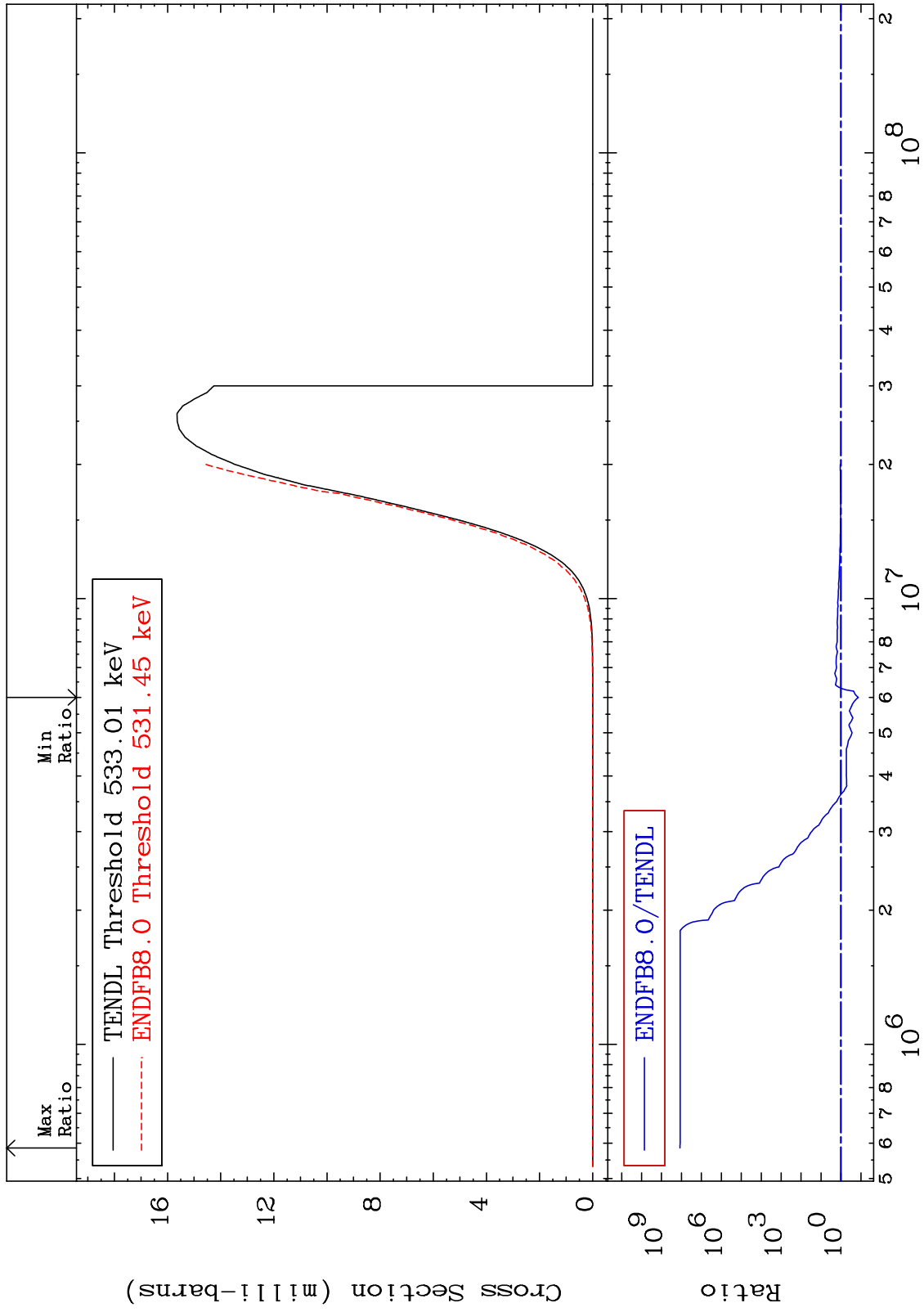
MAT 7531

(n,p)

⁷⁵Re-187

Cross Section

-86.67 To 9999. %



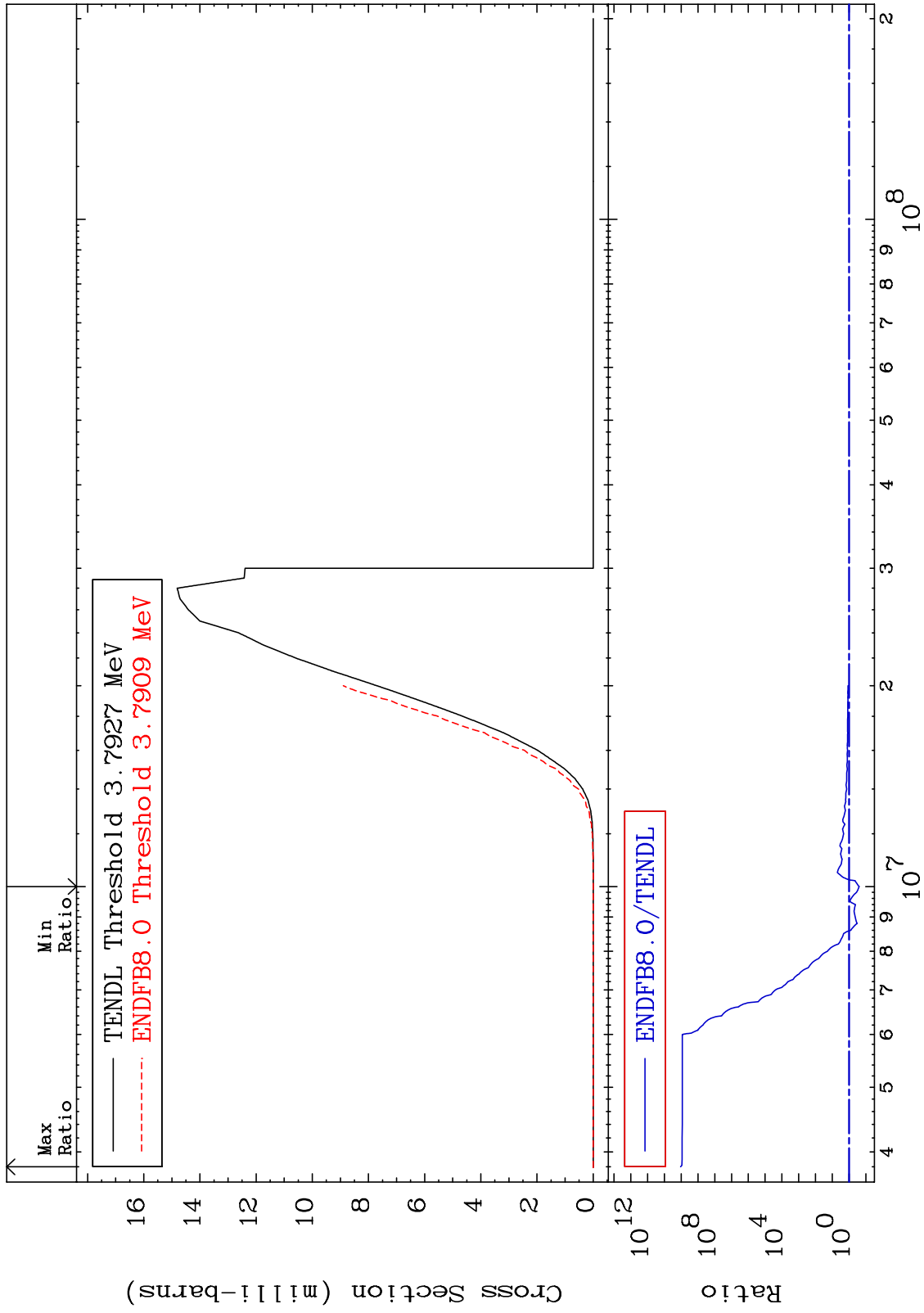
MAT 7531

(n, d)

75-Re-187

Cross Section

-74.97 To 9999. %



75-Re-187

Incident Energy (eV)

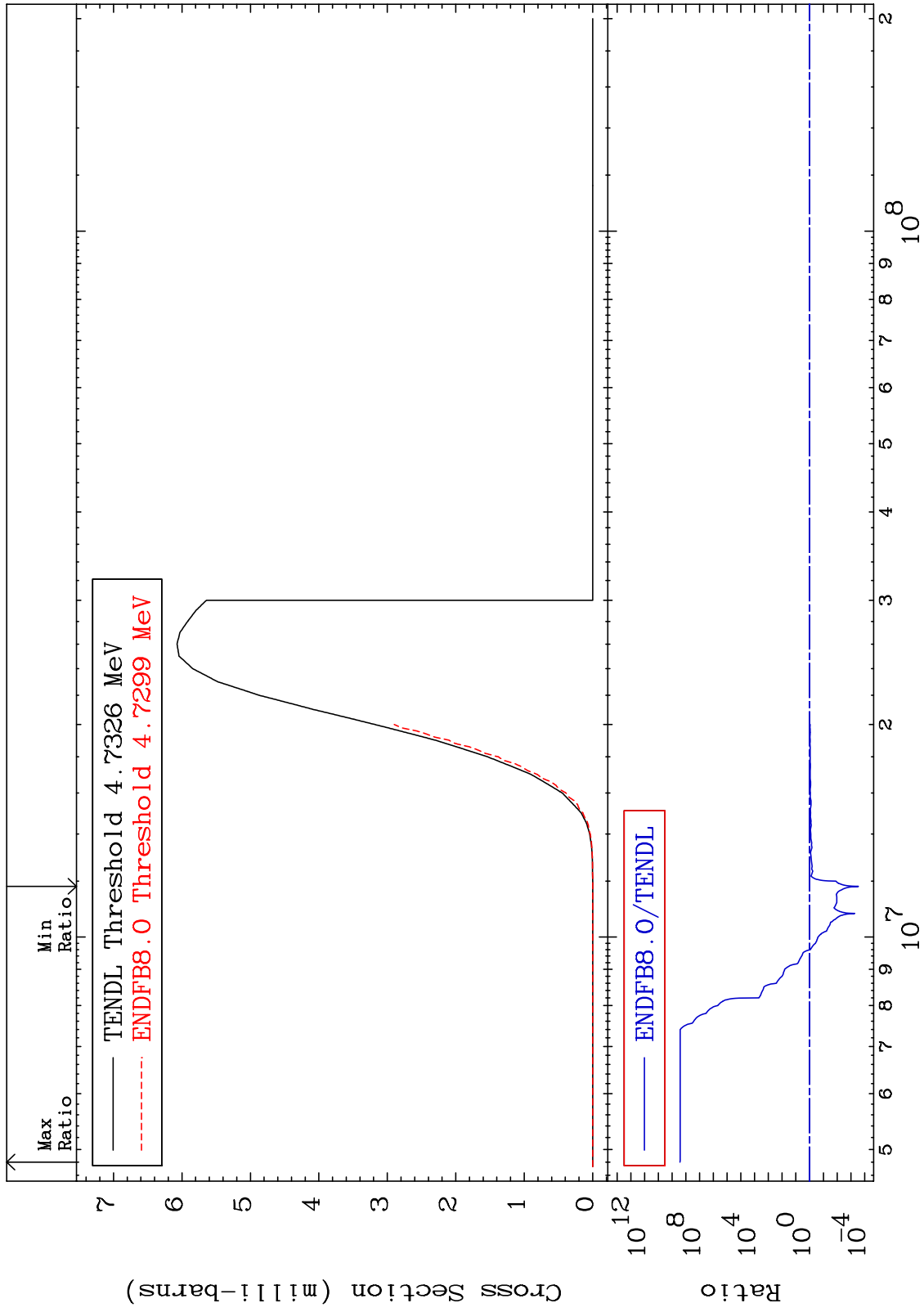
MAT 7531

(n, t)

75-Re-187

Cross Section

-99.97 To 9999. %



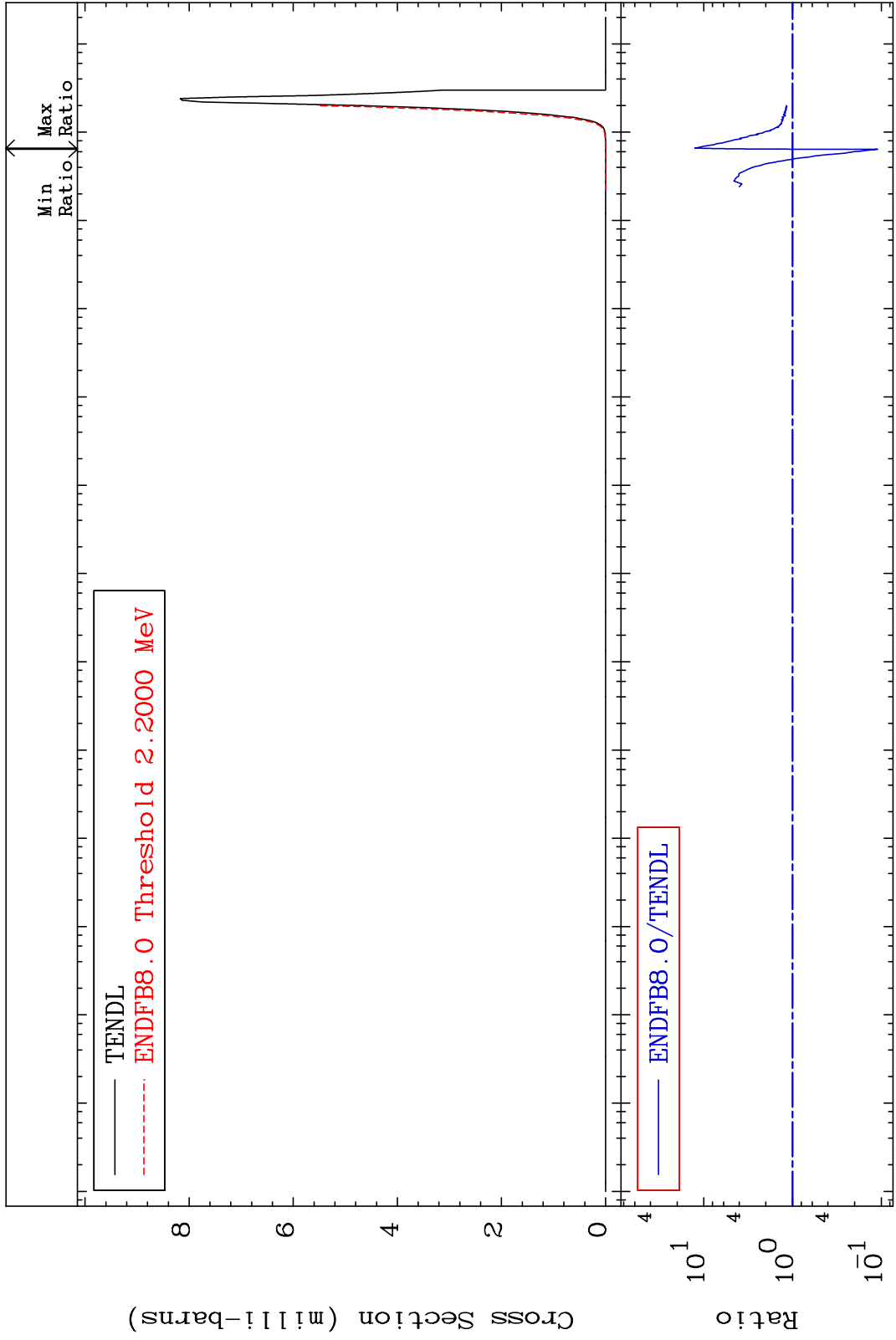
MAT 7531

(n, α)

75-Re-187

Cross Section

-88.92 To 1160. %



Incident Energy (eV)

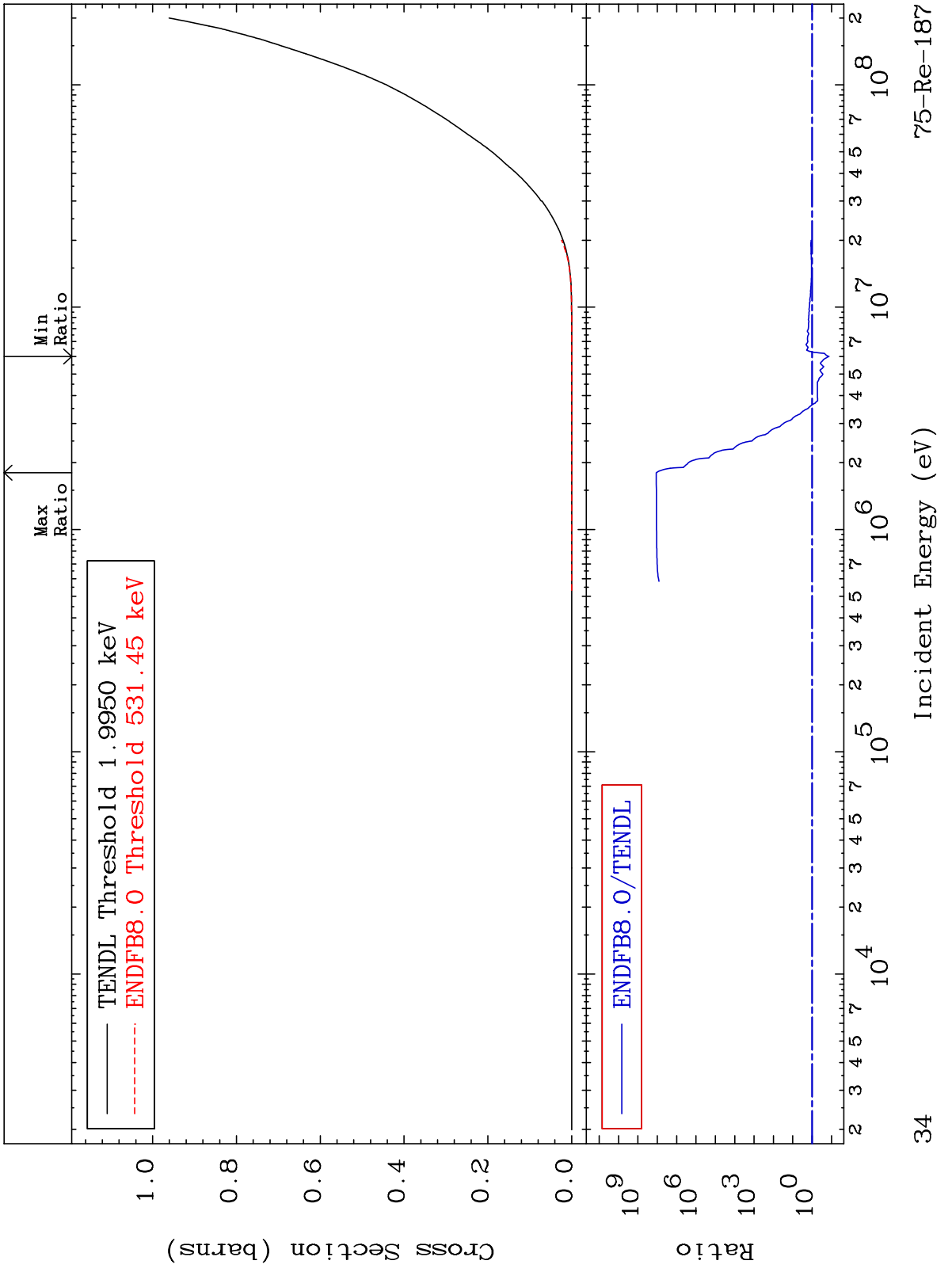
75-Re-187

33

MAT 7531

Hydrogen Production
Cross Section

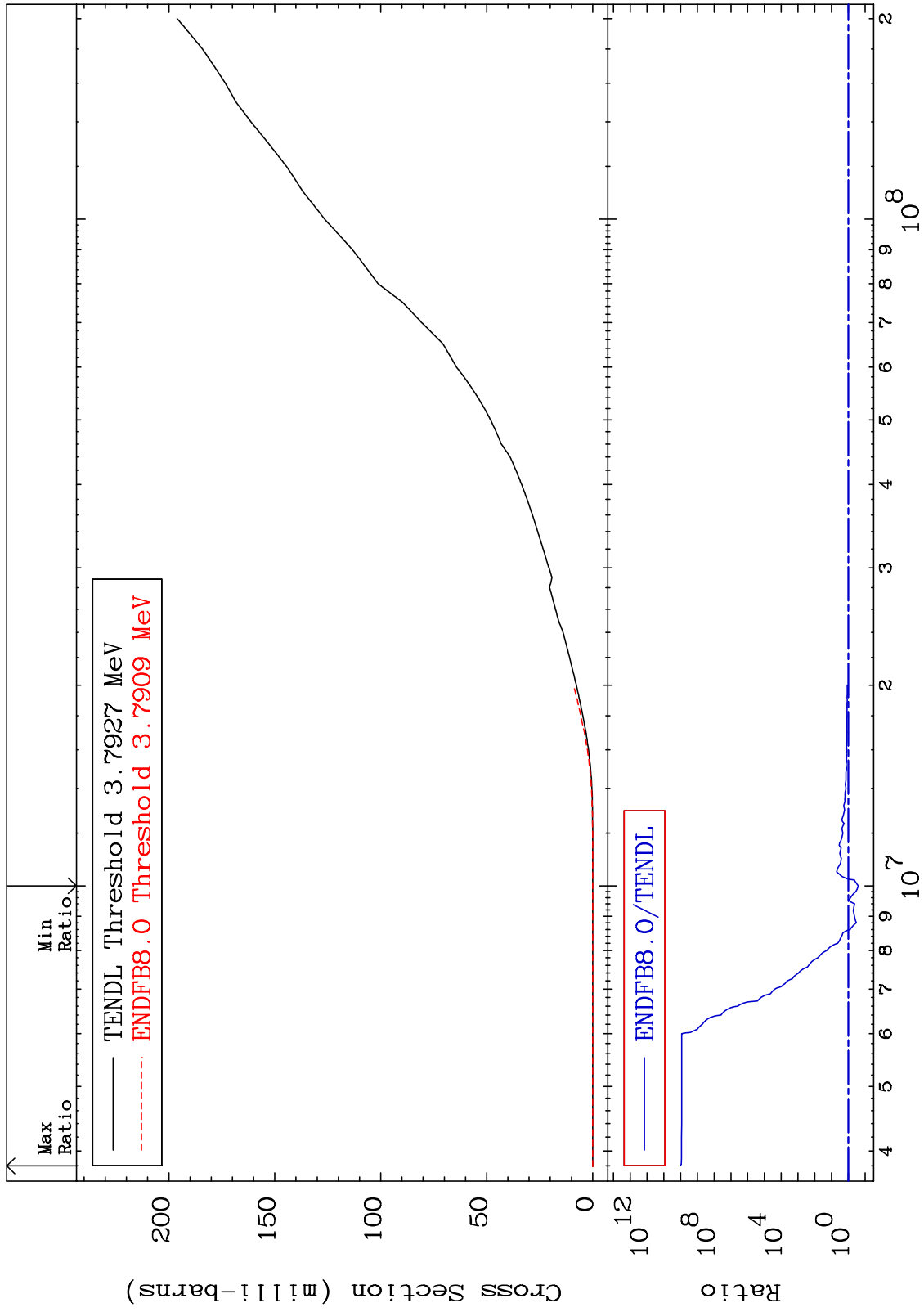
75-Re-187
-86.67 To 9999. %



MAT 7531

Deuterium Production
Cross Section

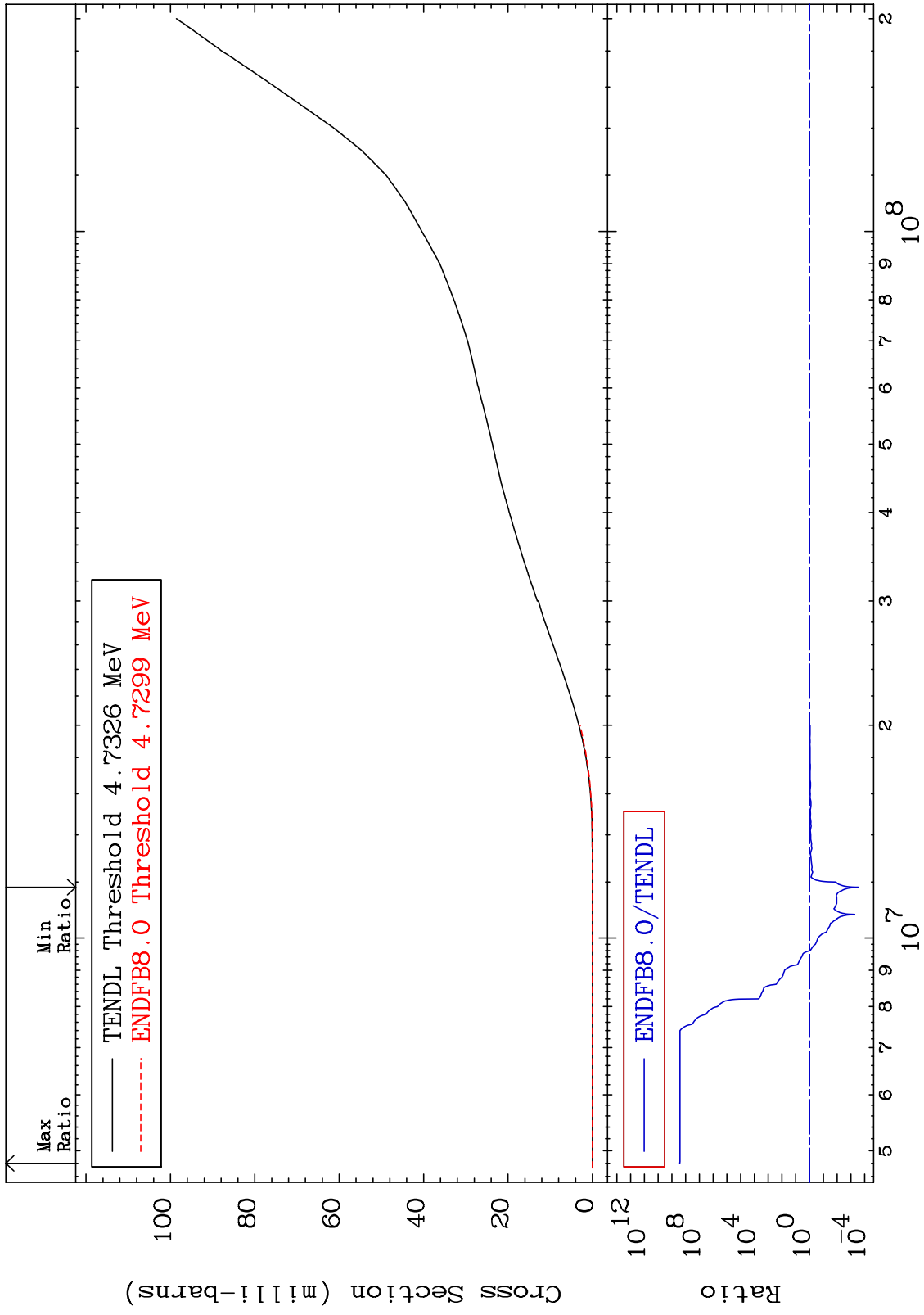
75-Re-187
-74.97 To 9999. %



MAT 7531

Tritium Production
Cross Section

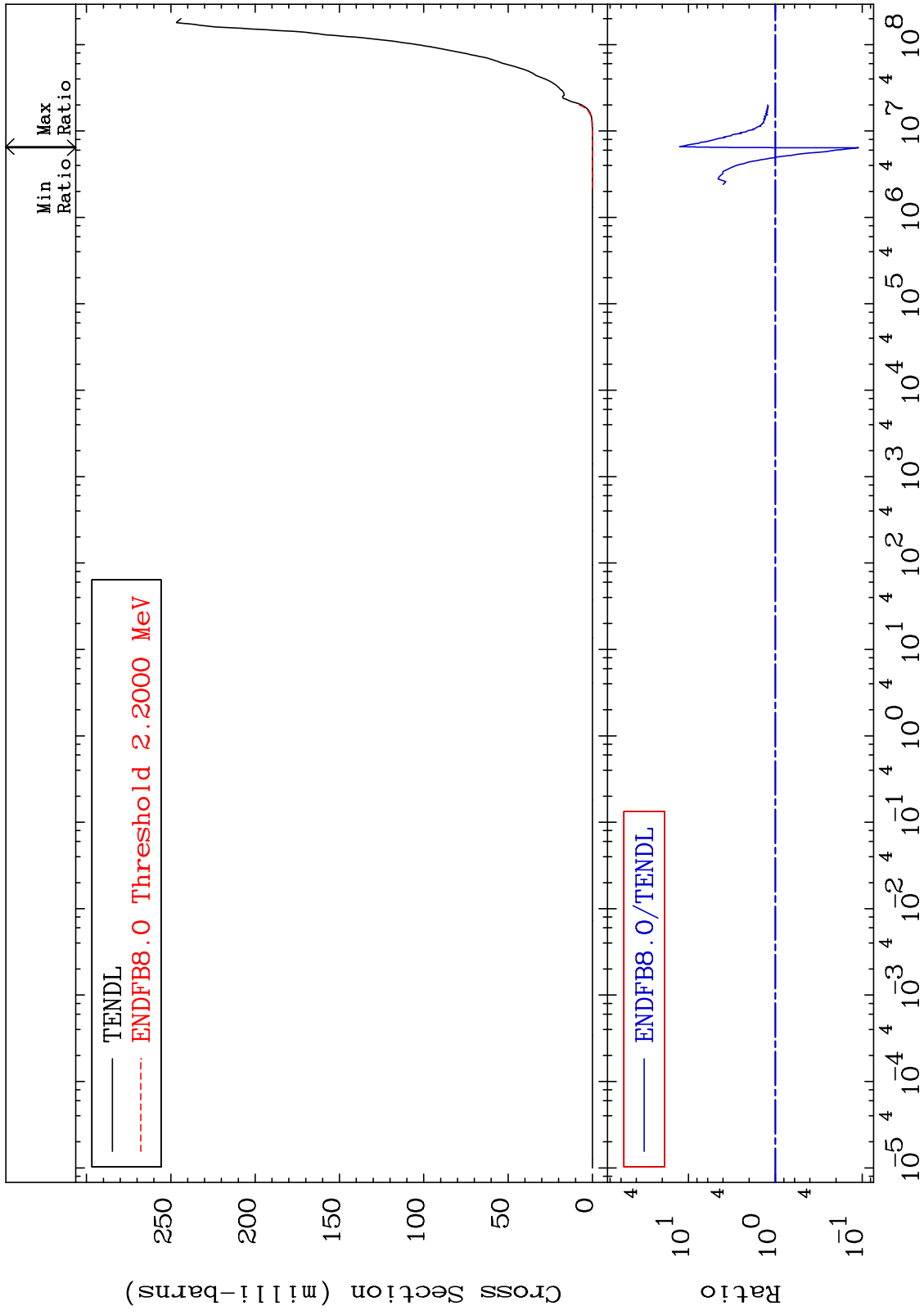
⁷⁵Re-187
-99.97 To 9999. %



MAT 7531

He-4 Production
Cross Section

75-Re-187
-88.93 To 1159. %



37

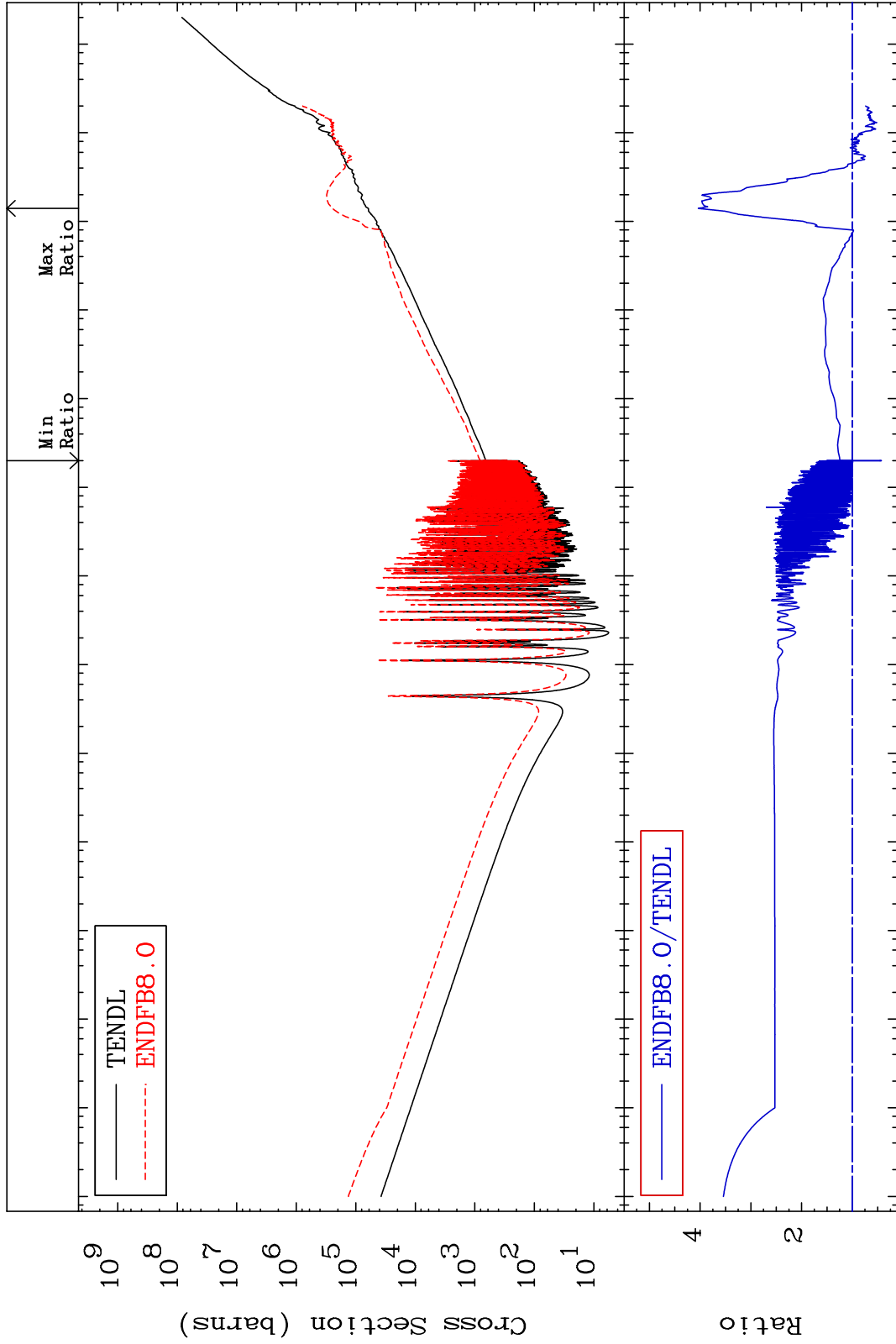
Incident Energy (eV)

75-Re-187

MAT 7531

Kerma total (eV-barns)
Cross Section

75-Re-187
-57.55 To 303.5 %



38

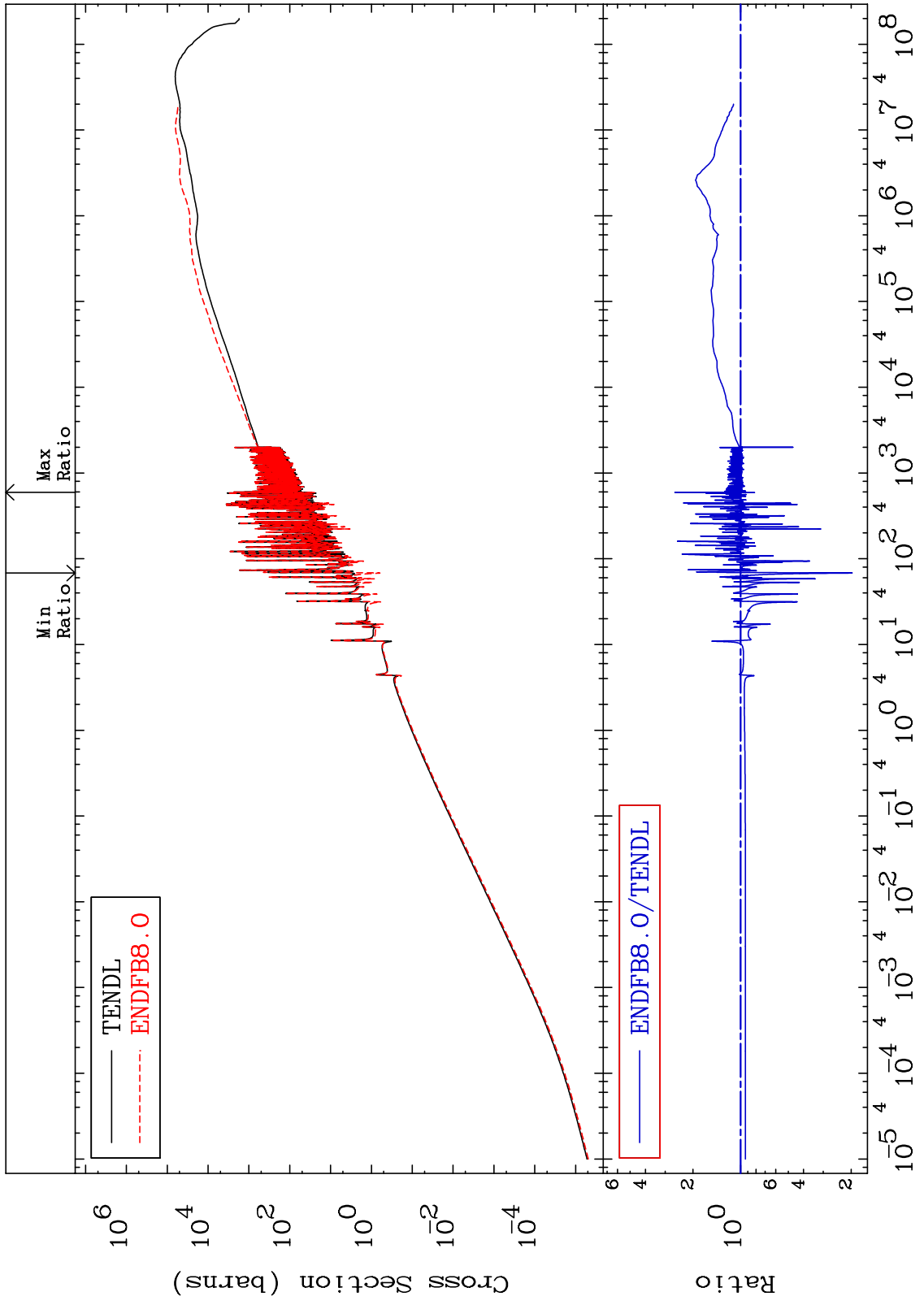
Incident Energy (eV)

75-Re-187

MAT 7531

Kerma elastic
Cross Section

75-Re-187
-80.34 To 160.0 %



39

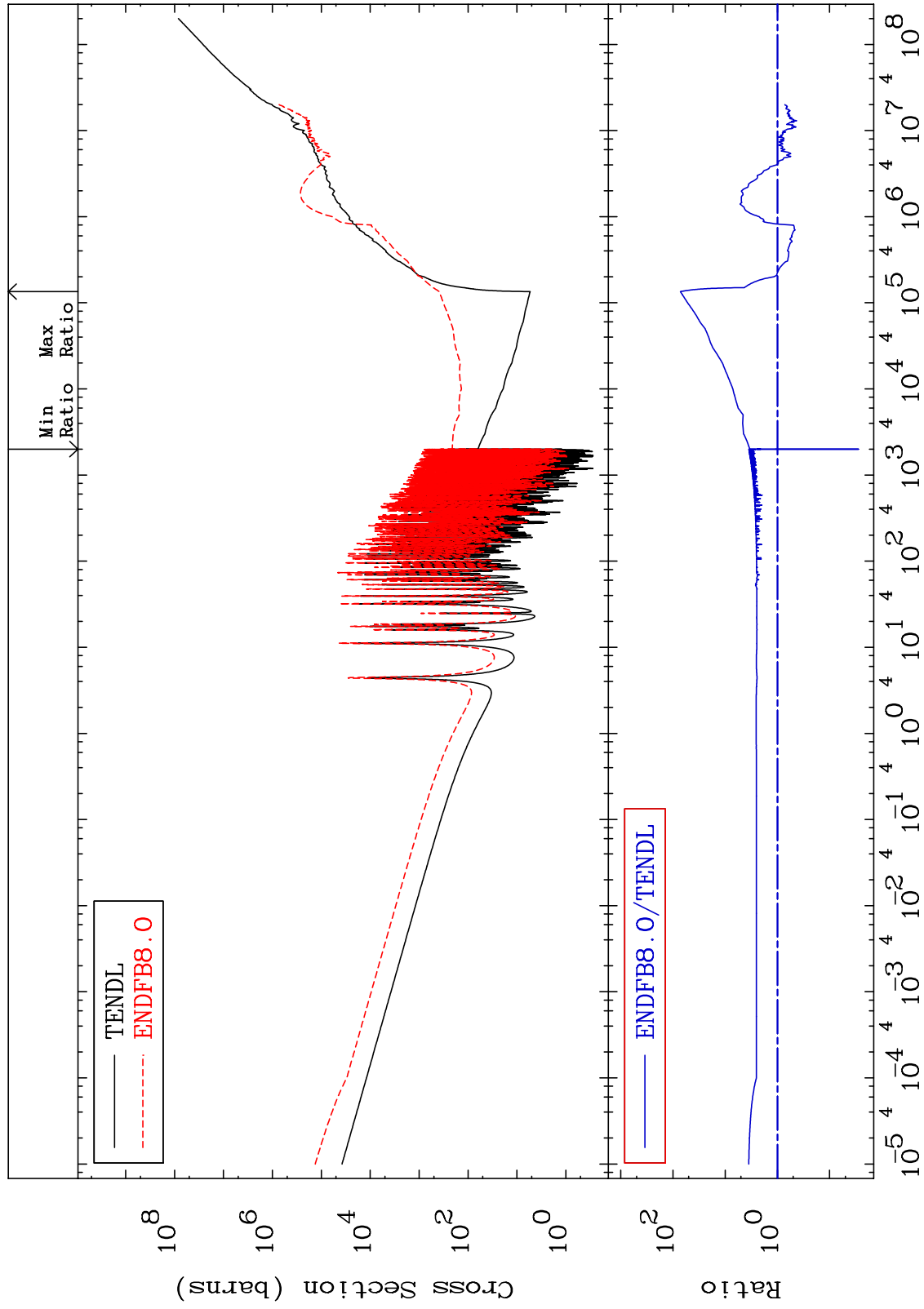
Incident Energy (eV)

75-Re-187

MAT 7531

Kerma non-elastic (all but mt2)
Cross Section

75-Re-187
-97.20 To 7103. %



40

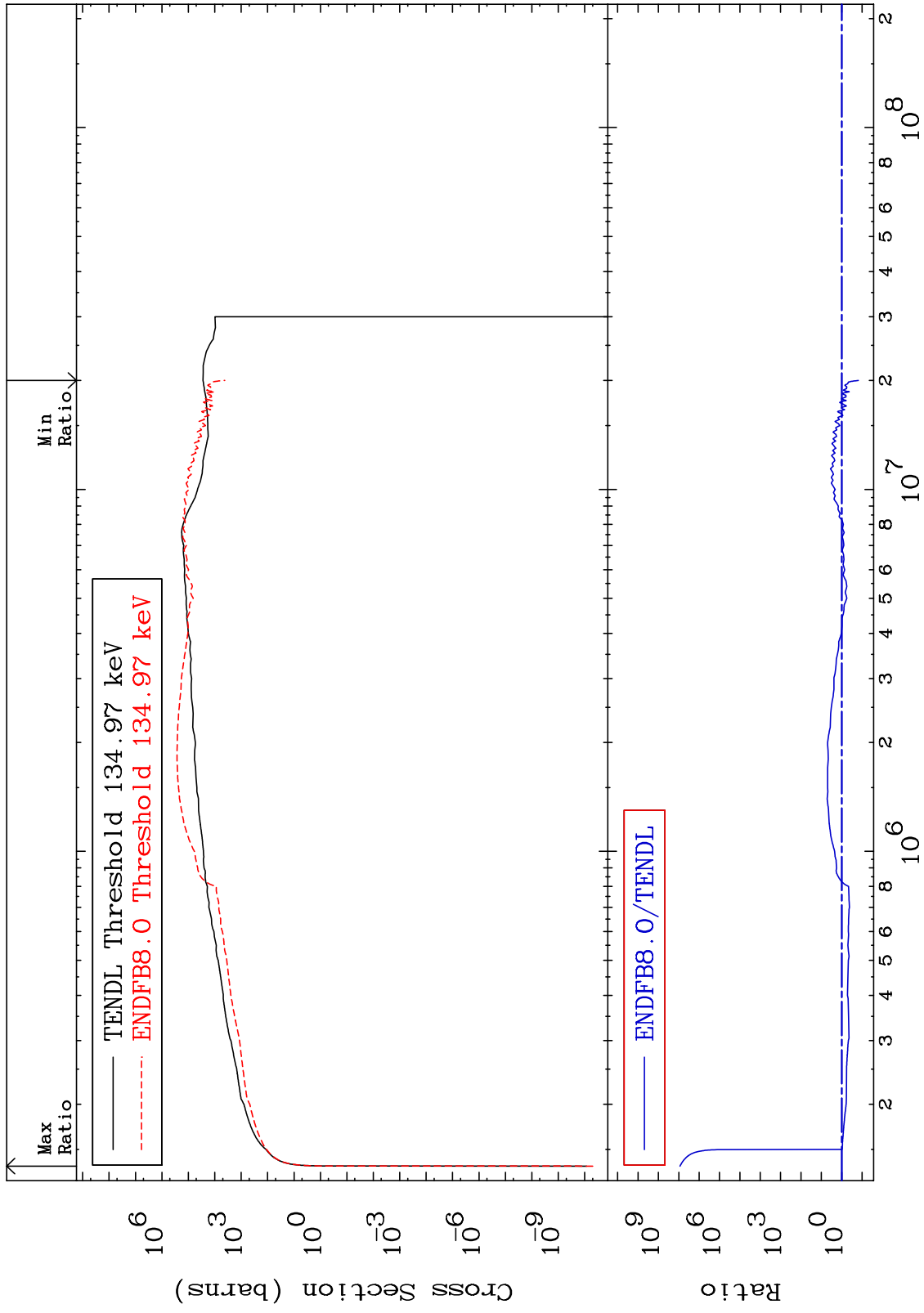
Incident Energy (eV)

75-Re-187

MAT 7531

Kerma inelastic (mt51-91)
Cross Section

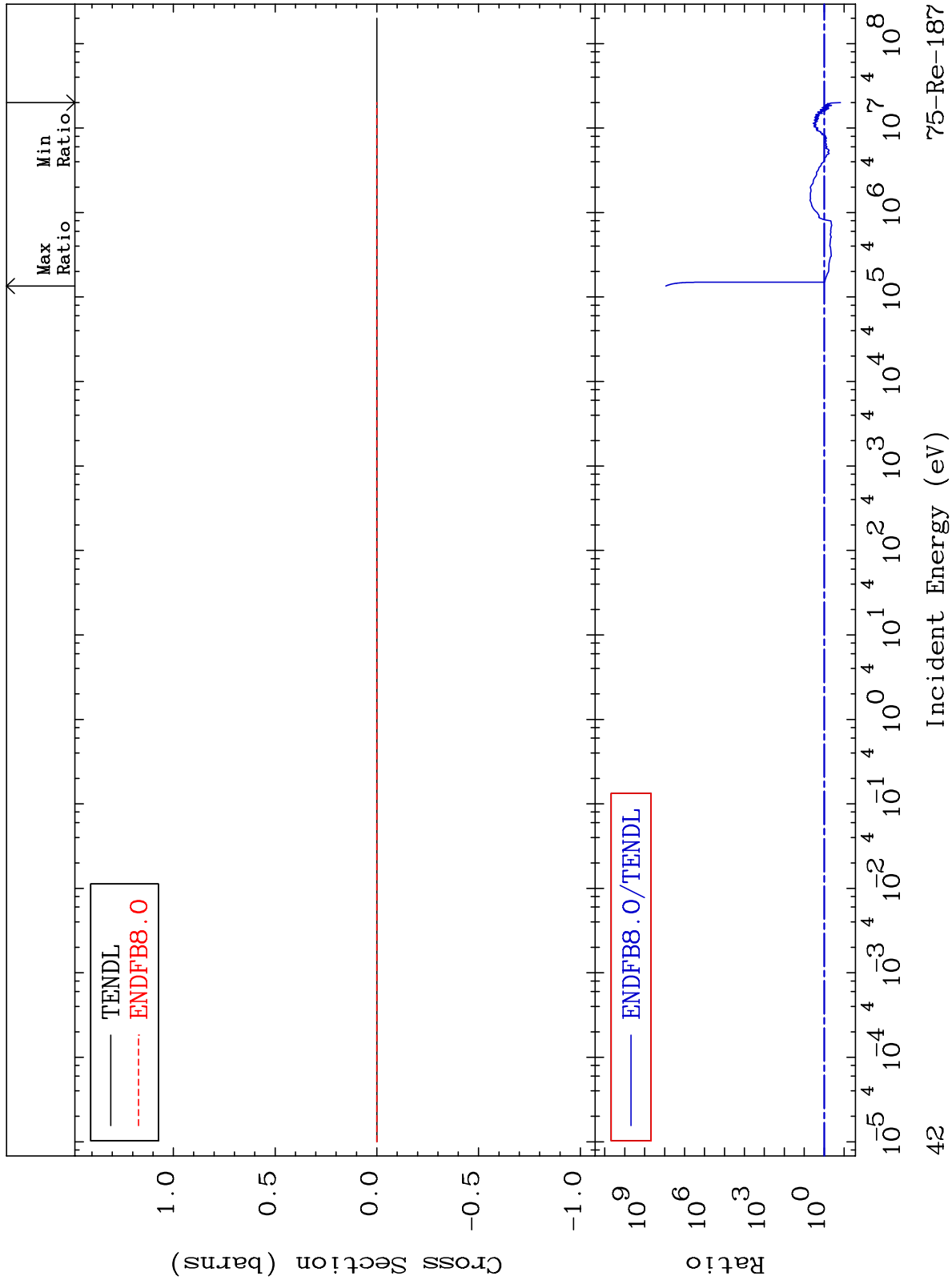
75-Re-187
-84.90 To 9999. %



MAT 7531

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

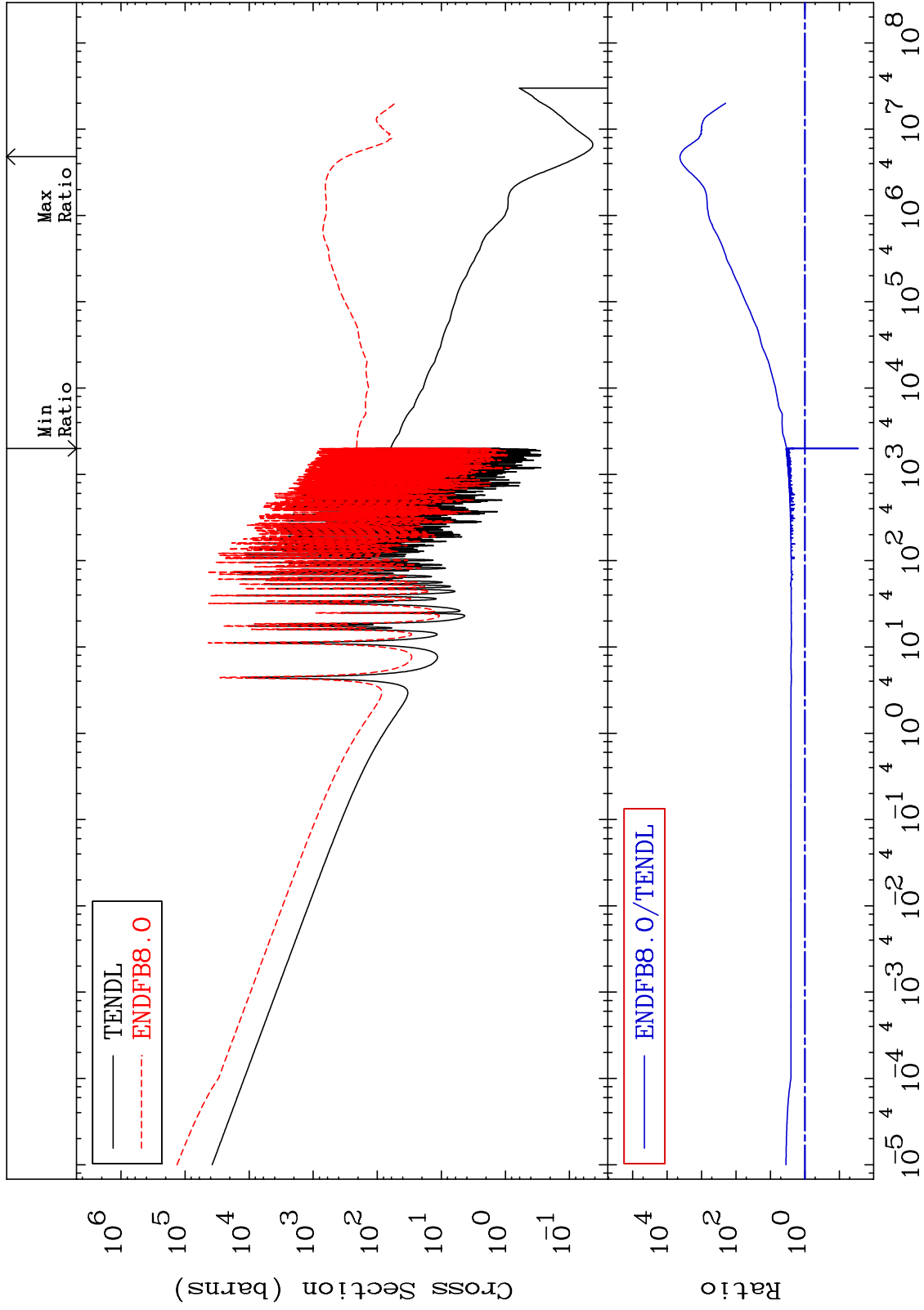
75-Re-187
-84.90 To 9999. %



MAT 7531

Kerma capture (mt102)
Cross Section

75-Re-187
-97.20 To 9999. %



43

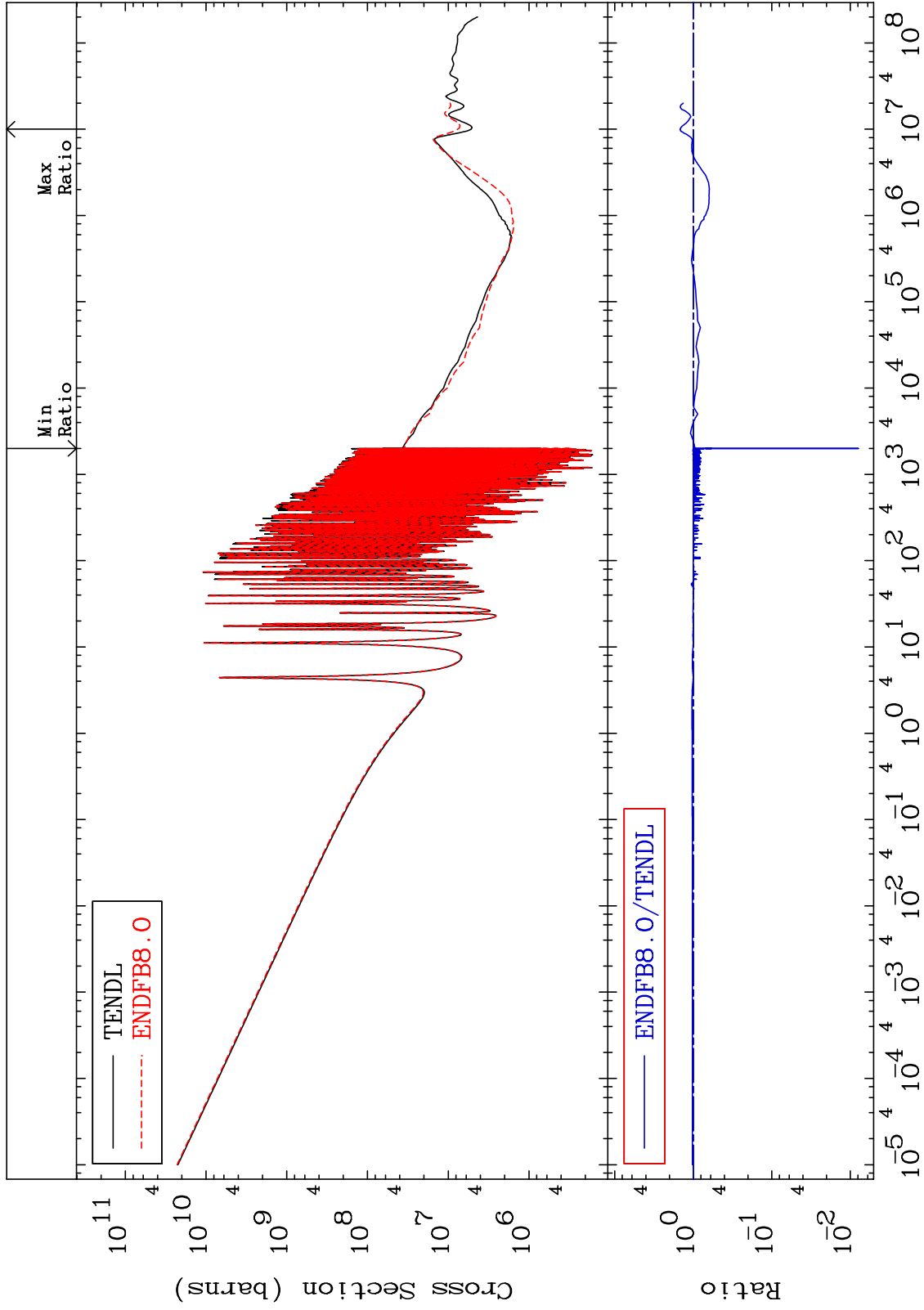
Incident Energy (eV)

75-Re-187

MAT 7531

Total photon (eV-barns)
Cross Section

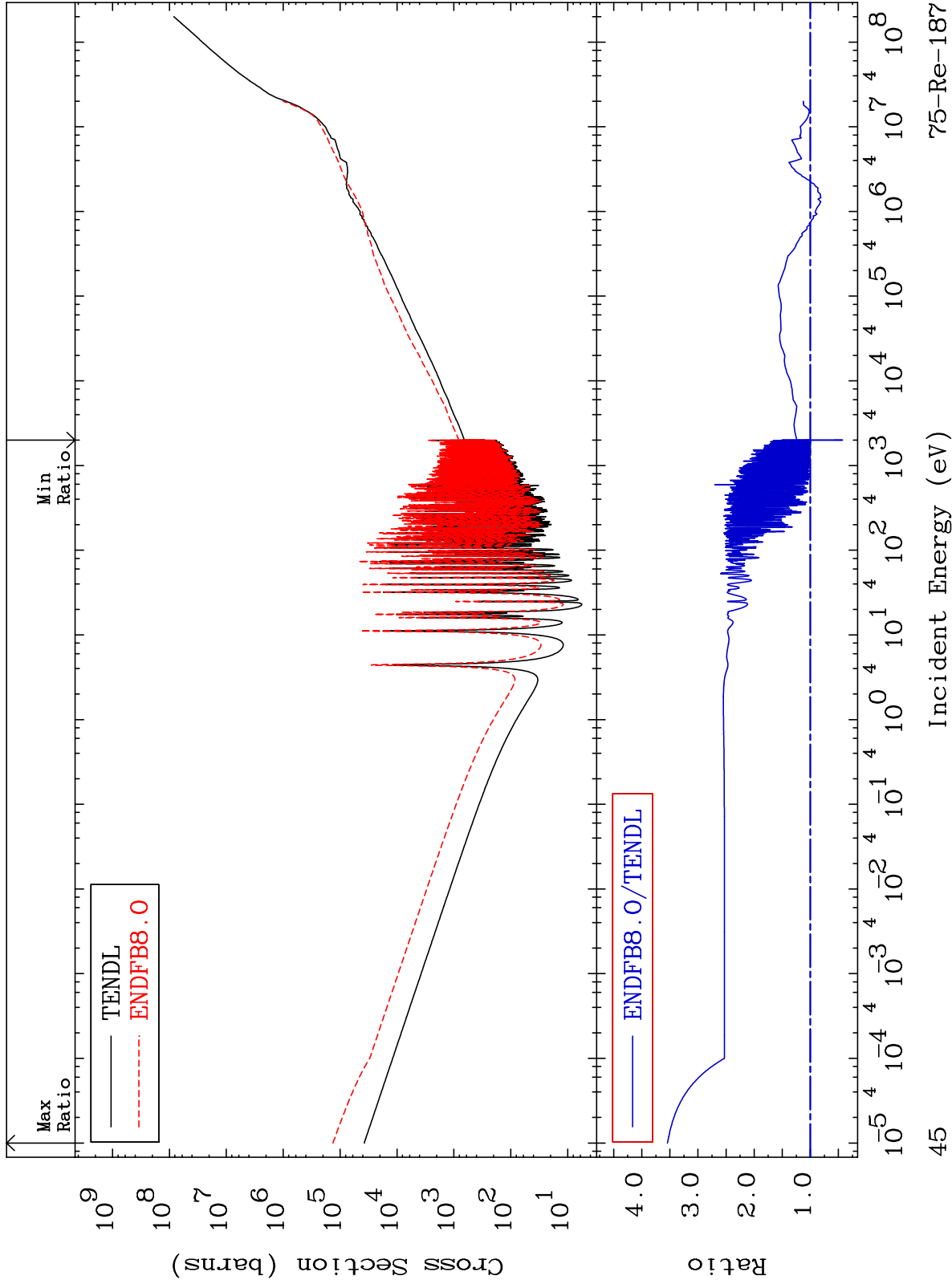
75-Re-187
-99.21 To 47.07 %



MAT 7531

Total kinematic kerma (high limit)
Cross Section

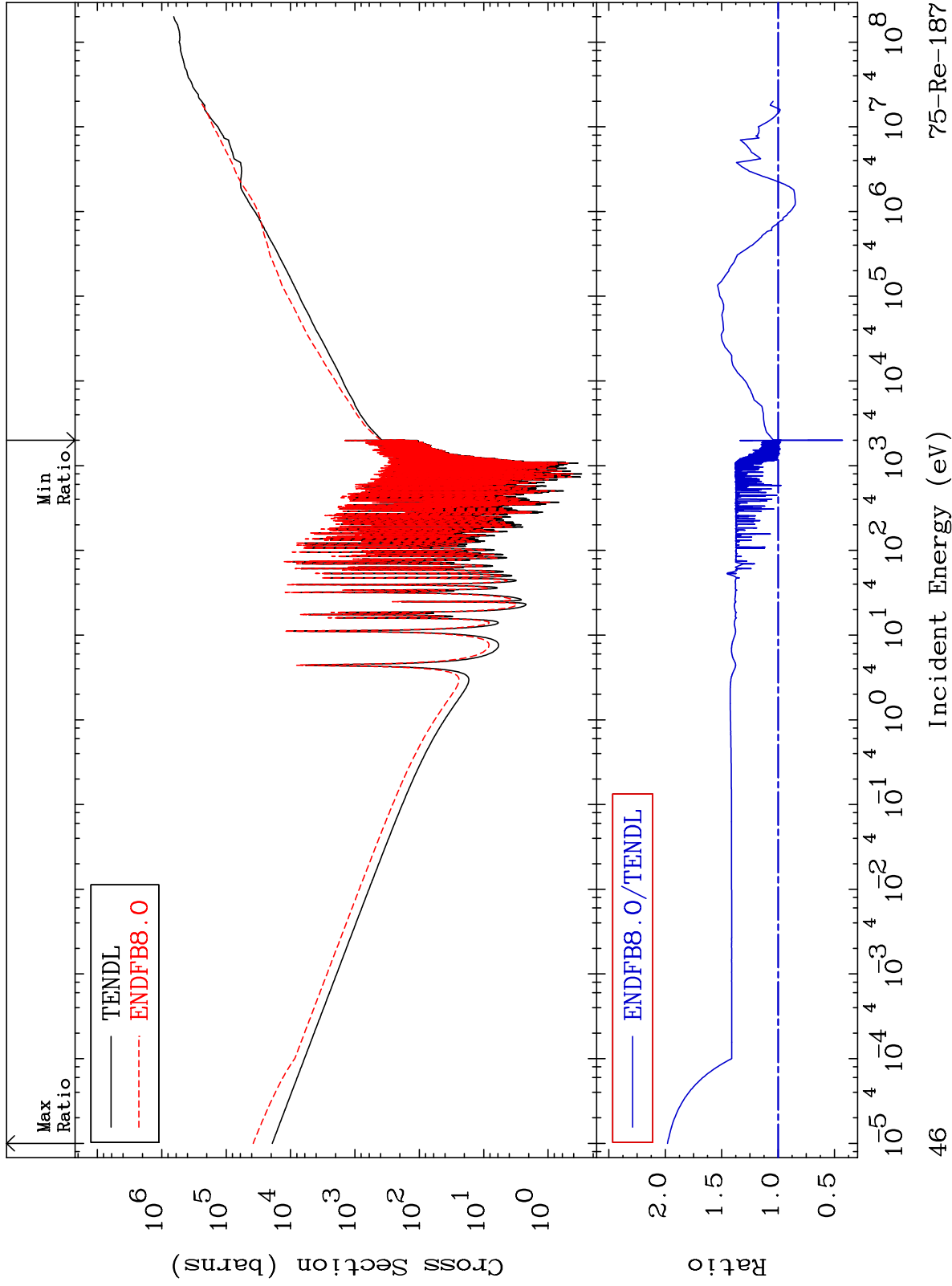
75-Re-187
-57.55 To 254.2 %



MAT 7531

Dpa total (eV-barns)
Cross Section

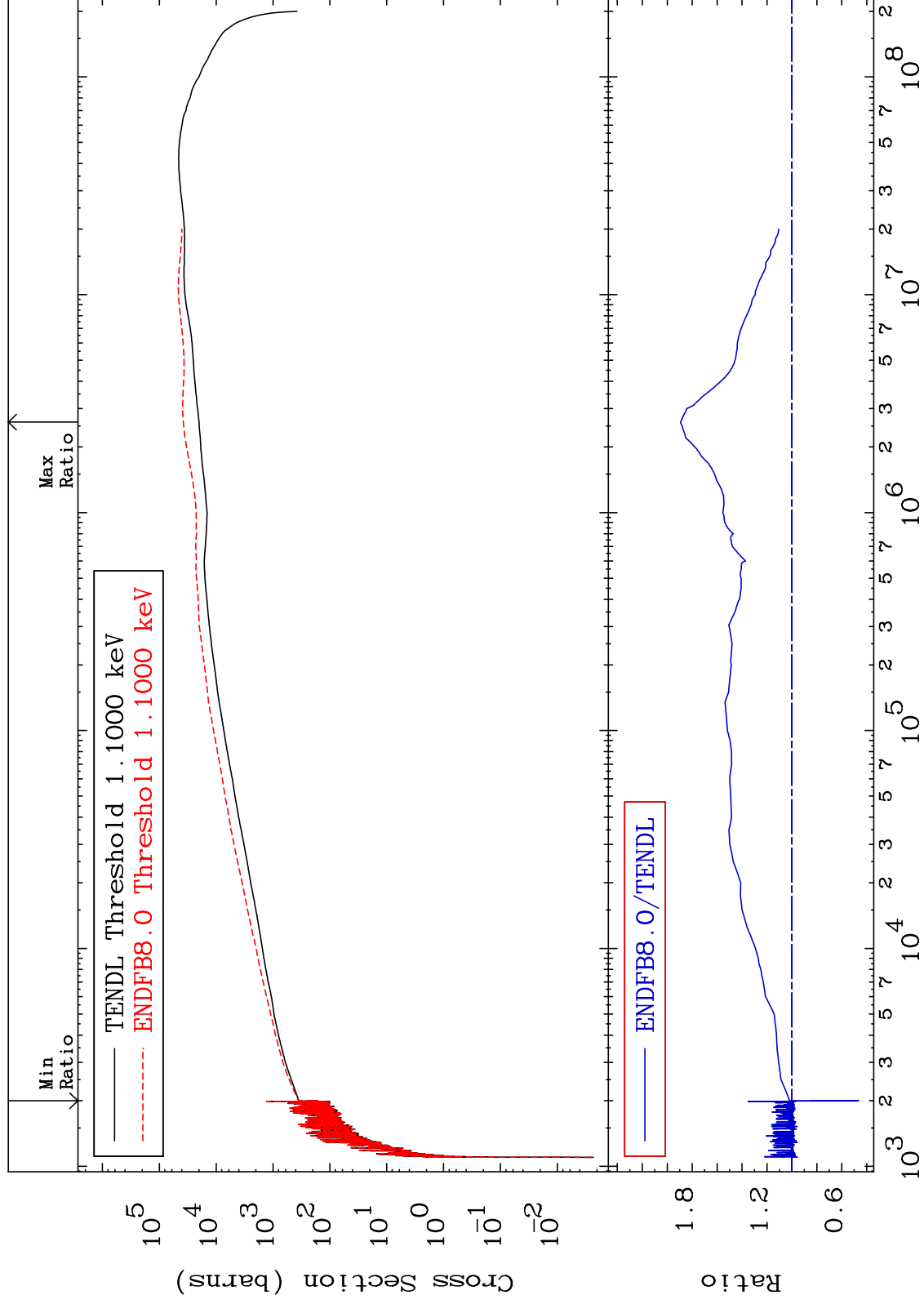
75-Re-187
-57.25 To 98.01 %



MAT 7531

Dpa elastic (mt2)
Cross Section

75-Re-187
-53.48 To 89.38 %



47

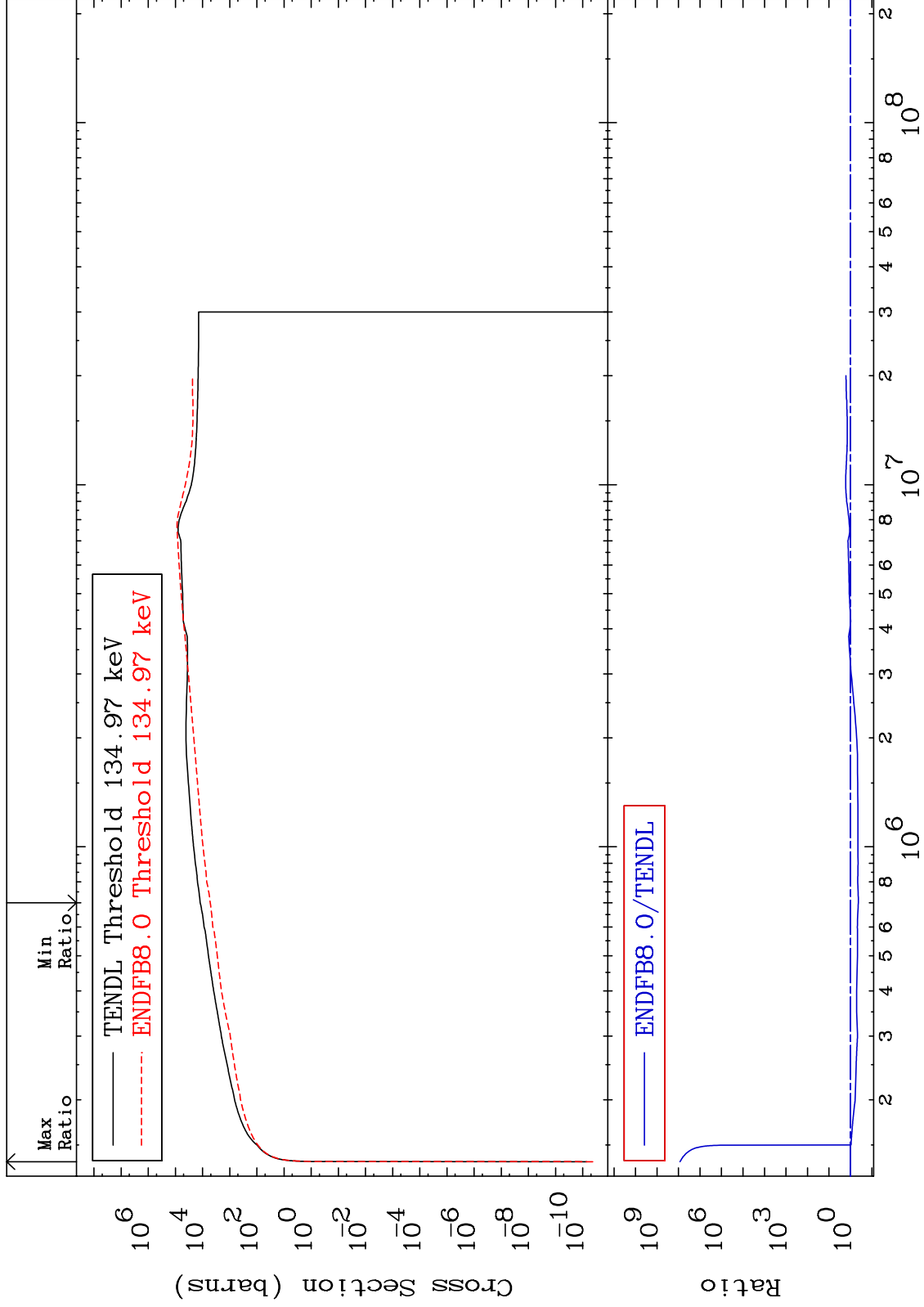
Incident Energy (eV)

75-Re-187

MAT 7531

Dpa inelastic (mt51-91)
Cross Section

75-Re-187
-57.34 To 9999. %



MAT 7531

Dpa disappearance (mt102 -120)
Cross Section

75-Re-187
-98.91 To 295.5 %

