

Program Complot
(Version 2018-1)

by

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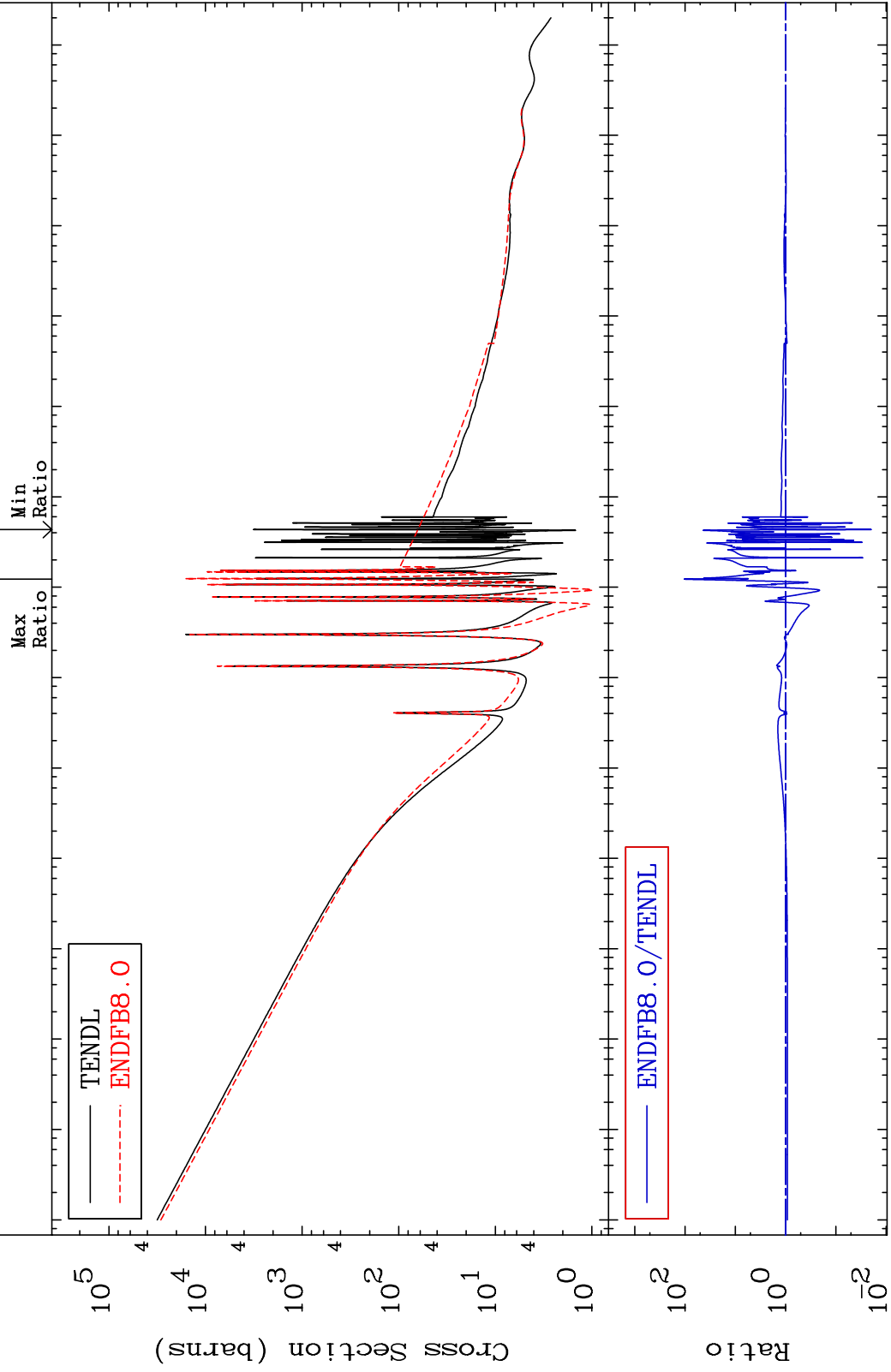
Press Mouse Button to Start

MAT 7225

72-Hf-174

-98.01 To 9999. %

Total
Cross Section



72-Hf-174

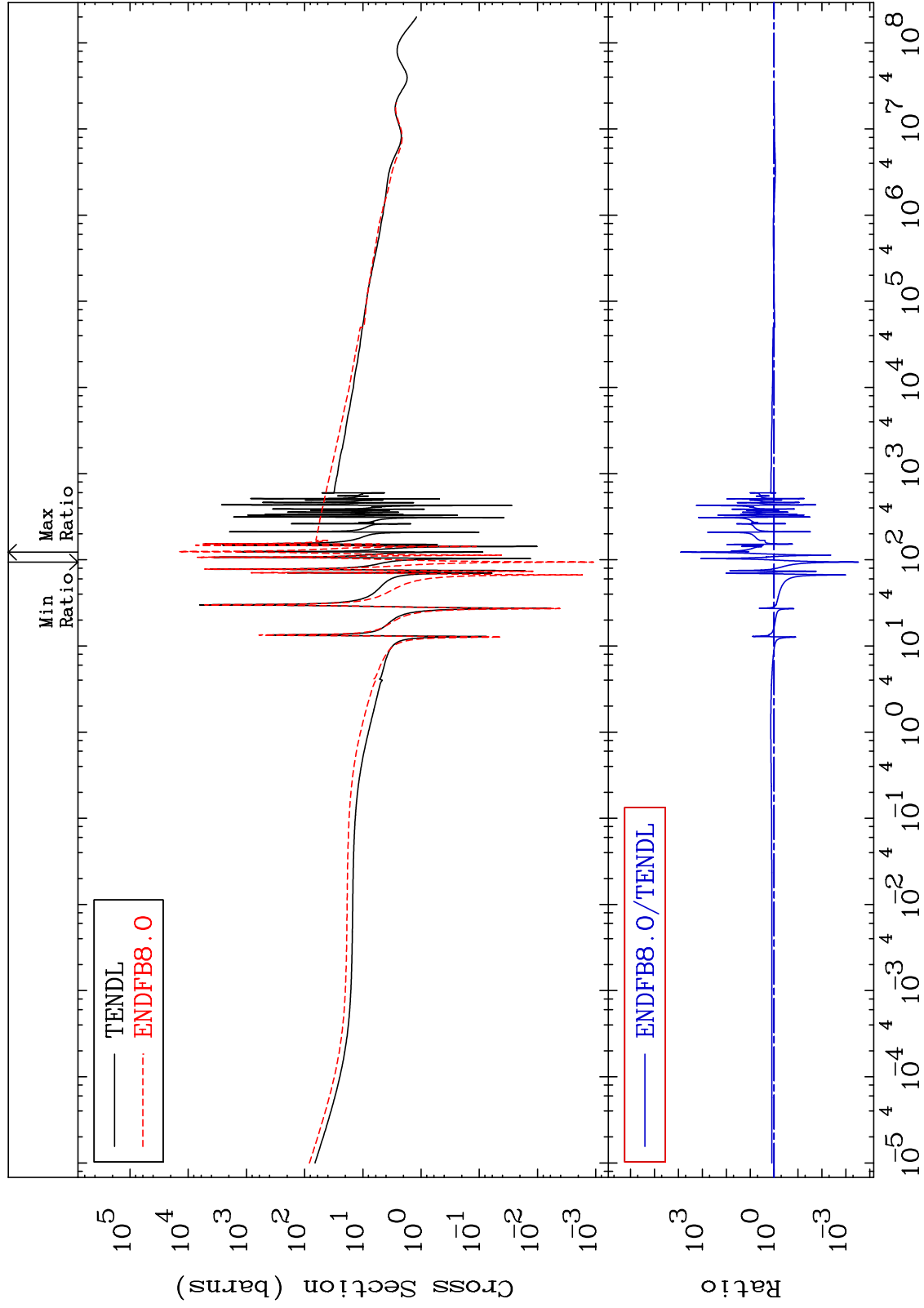
Incident Energy (eV)

1

MAT 7225

Elastic
Cross Section

72-Hf-174
-99.97 To 9999. %

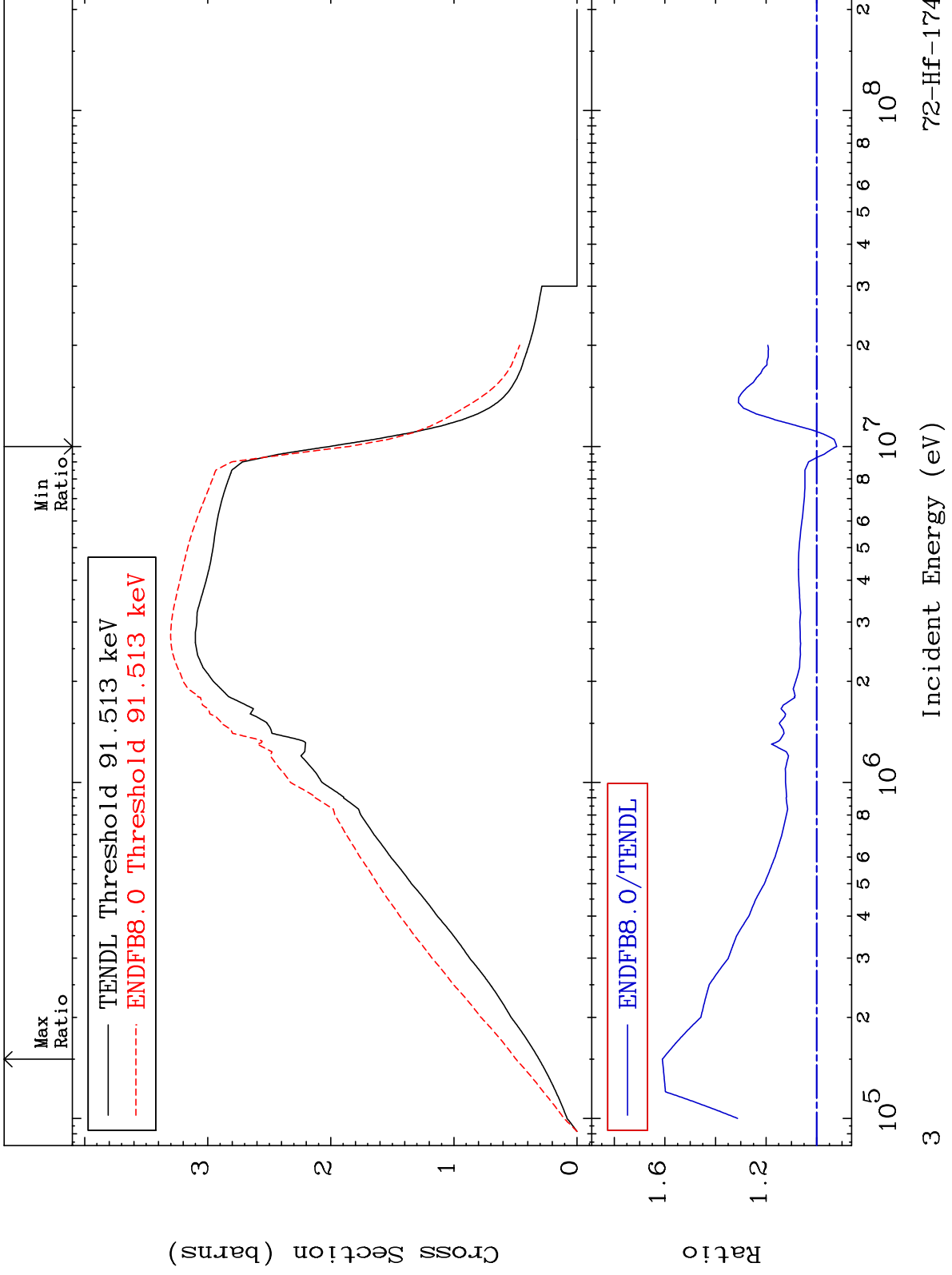


MAT 7225

Inelastic
Cross Section

⁷²Hf-174

-7.917 To 61.00 %



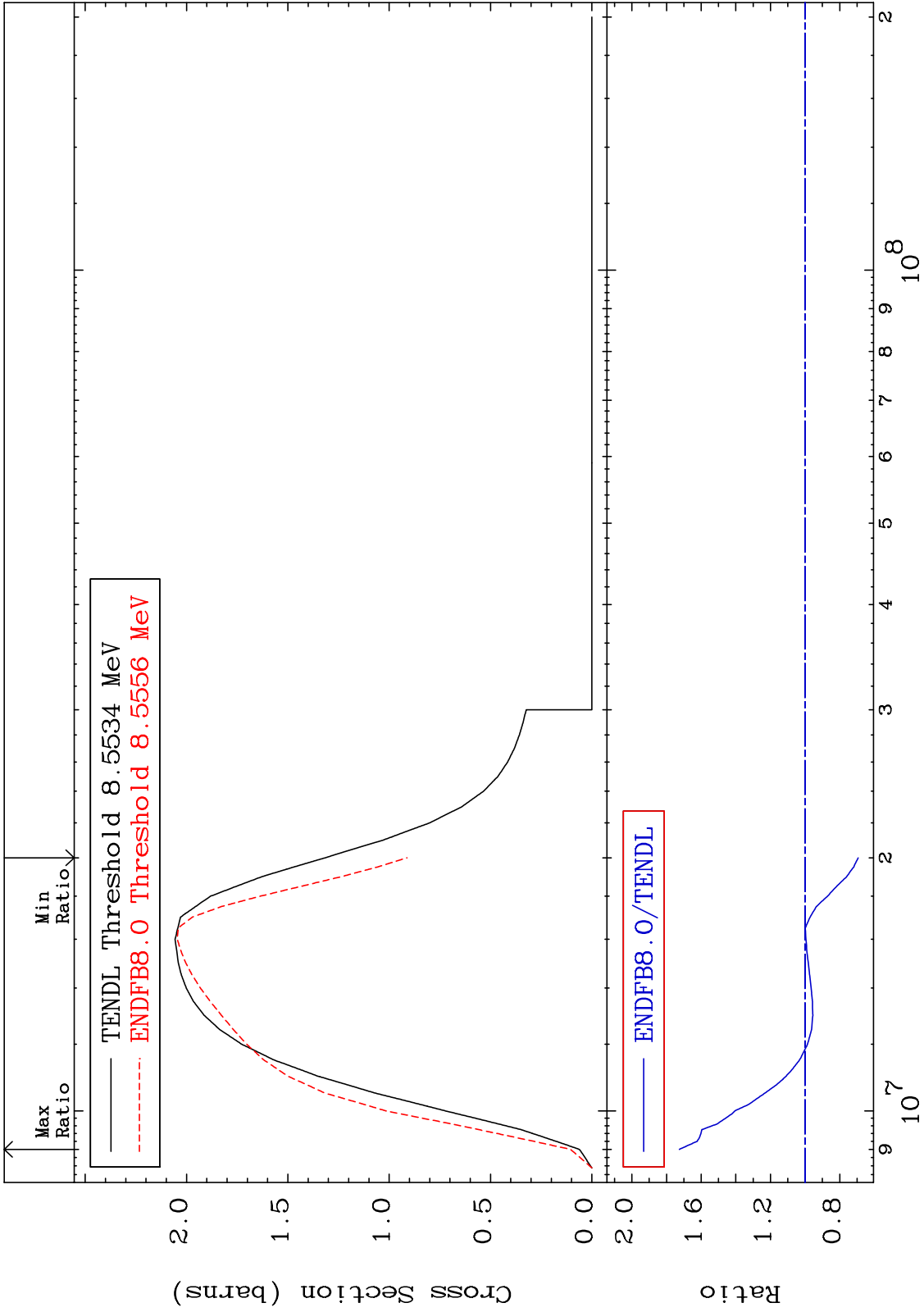
MAT 7225

(n,2n)

72-Hf-174

Cross Section

-30.68 To 72.59 %



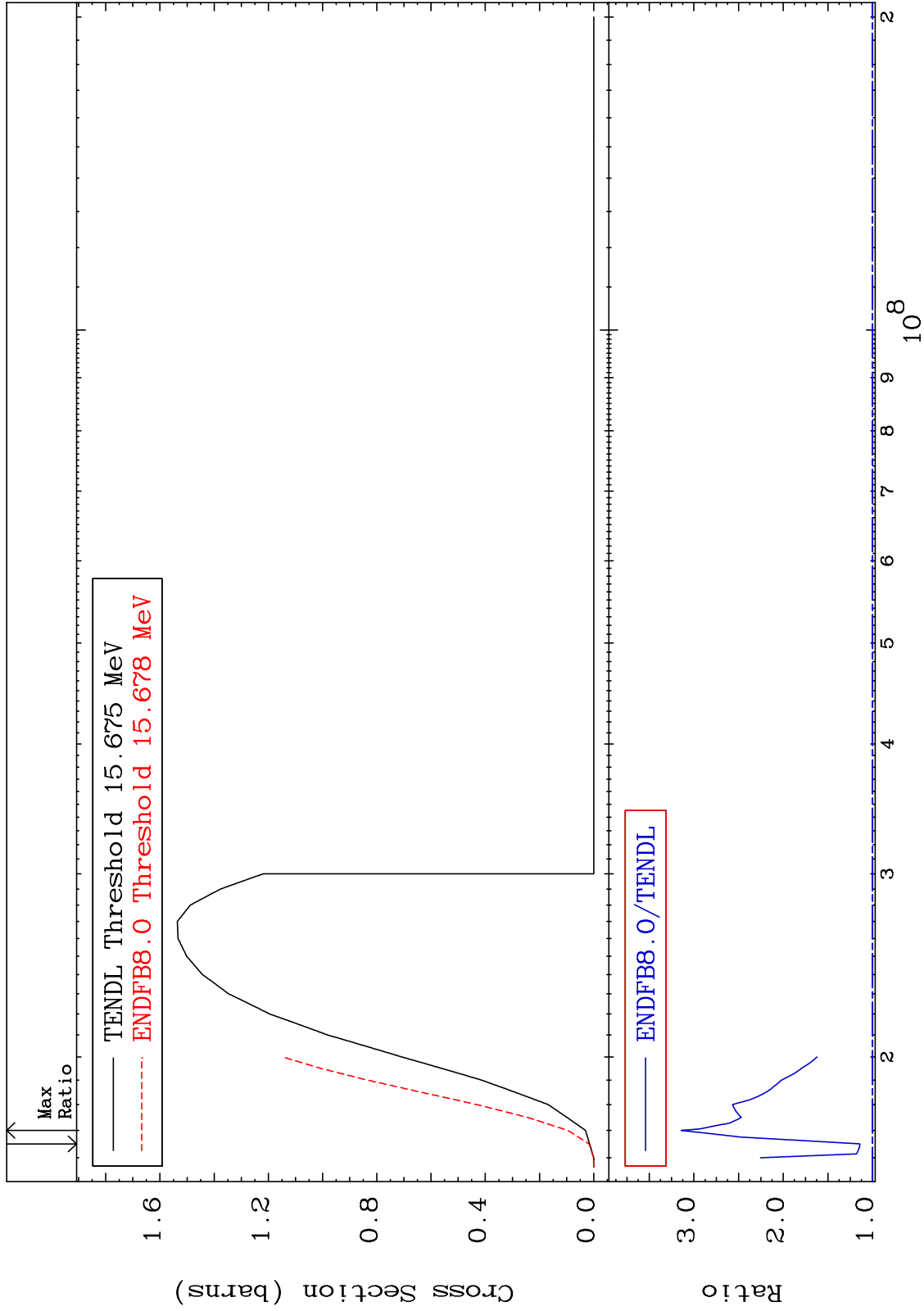
MAT 7225

(n, 3n)

72-Hf-174

Cross Section

14.12 To 214.2 %



5

Incident Energy (eV)

72-Hf-174

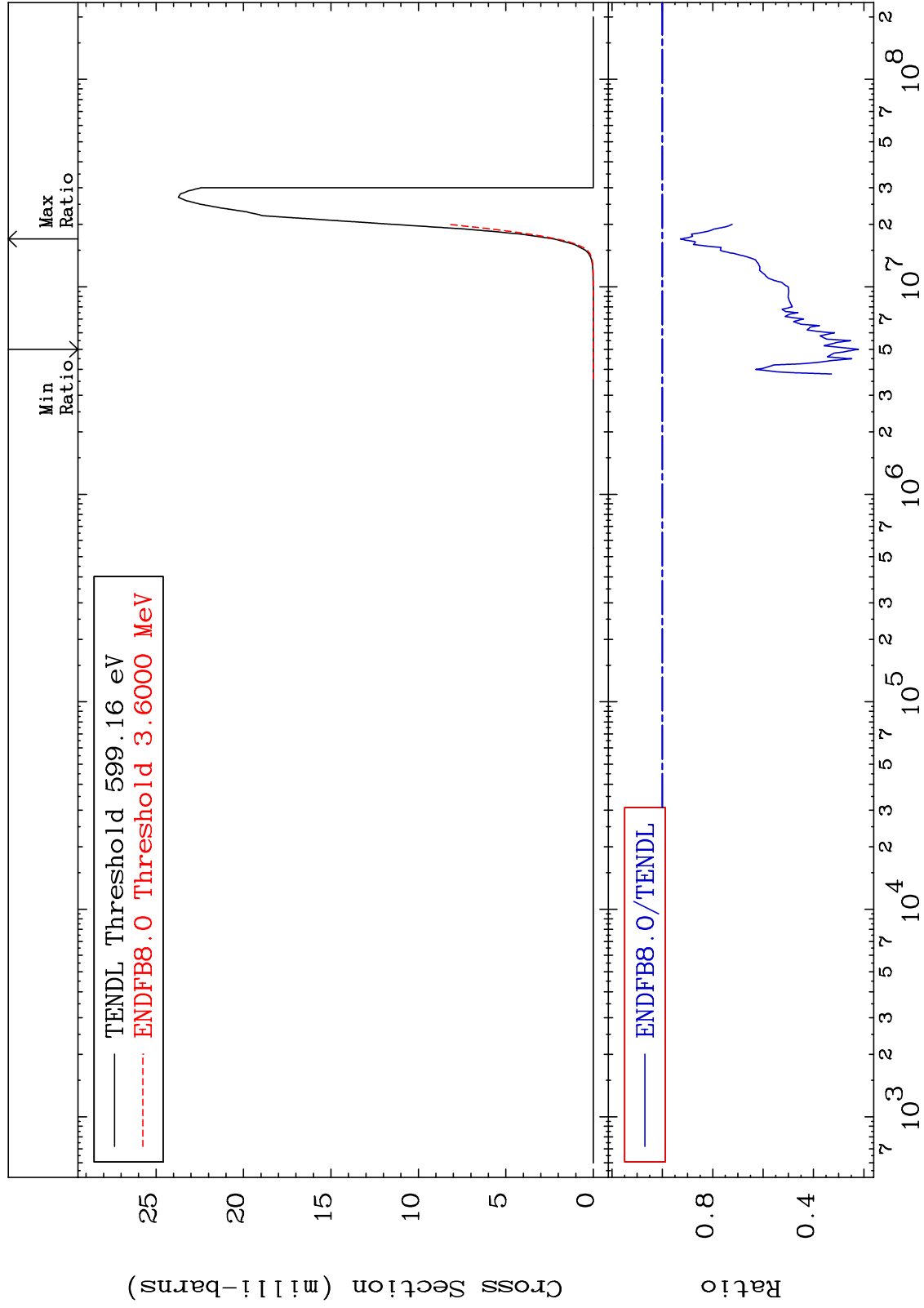
MAT 7225

(n, n') α

Cross Section

72-Hf-174

-77.88 To -7.191%



6

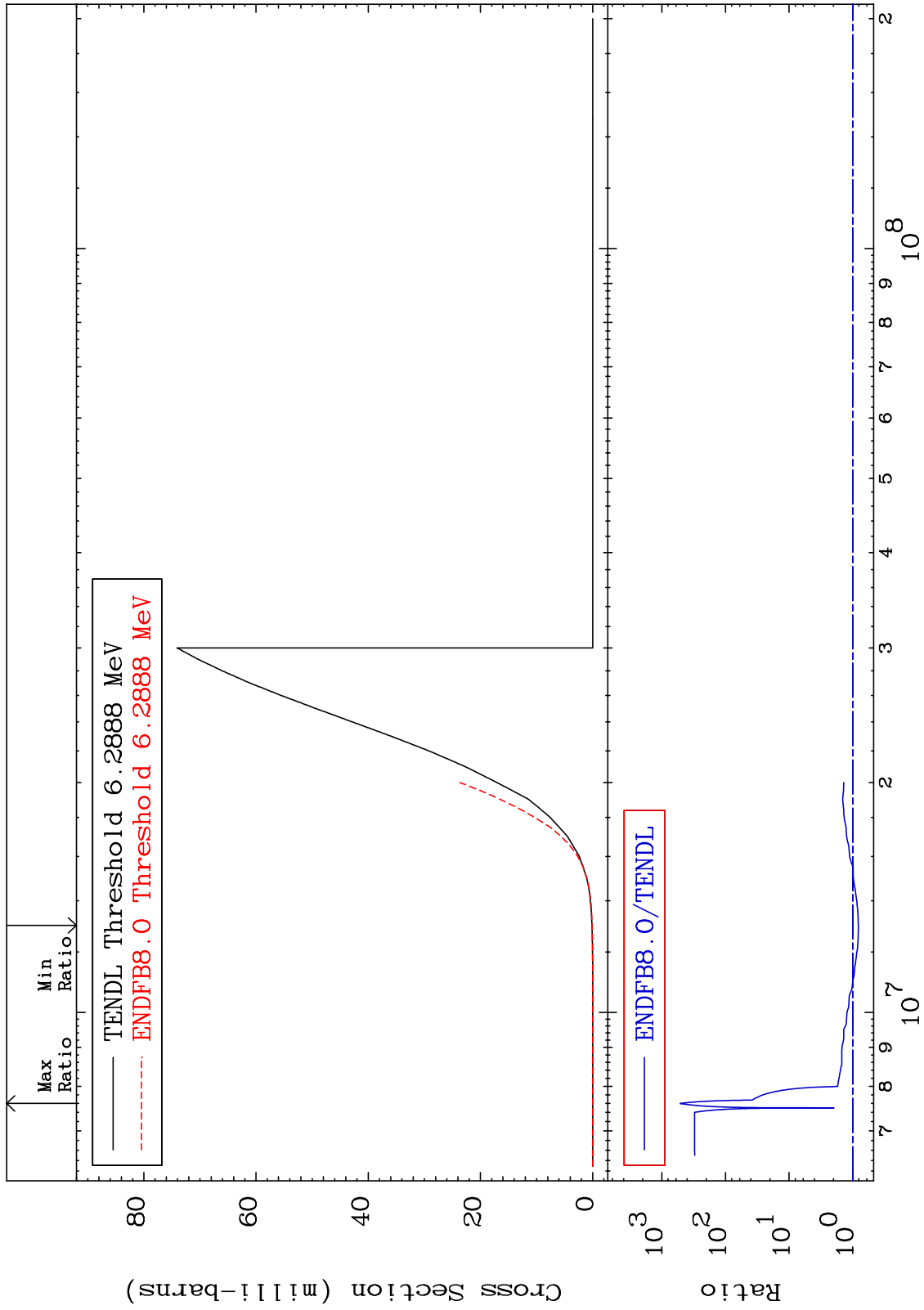
Incident Energy (eV)

72-Hf-174

MAT 7225

(n,n') p
Cross Section

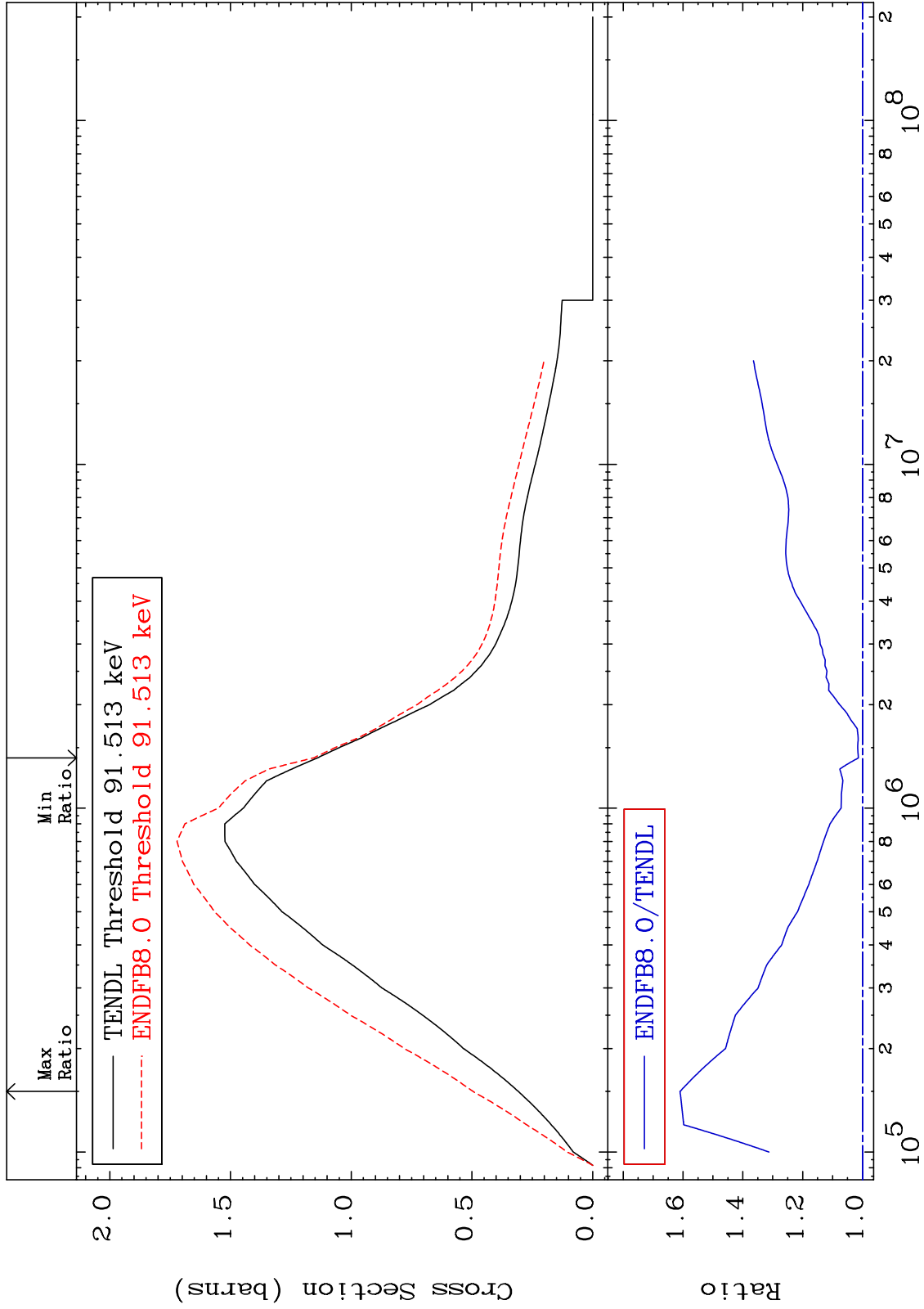
⁷²Hf-174
-18.64 To 9999. %



MAT 7225

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

72-Hf-174
1.353 To 61.00 %



8

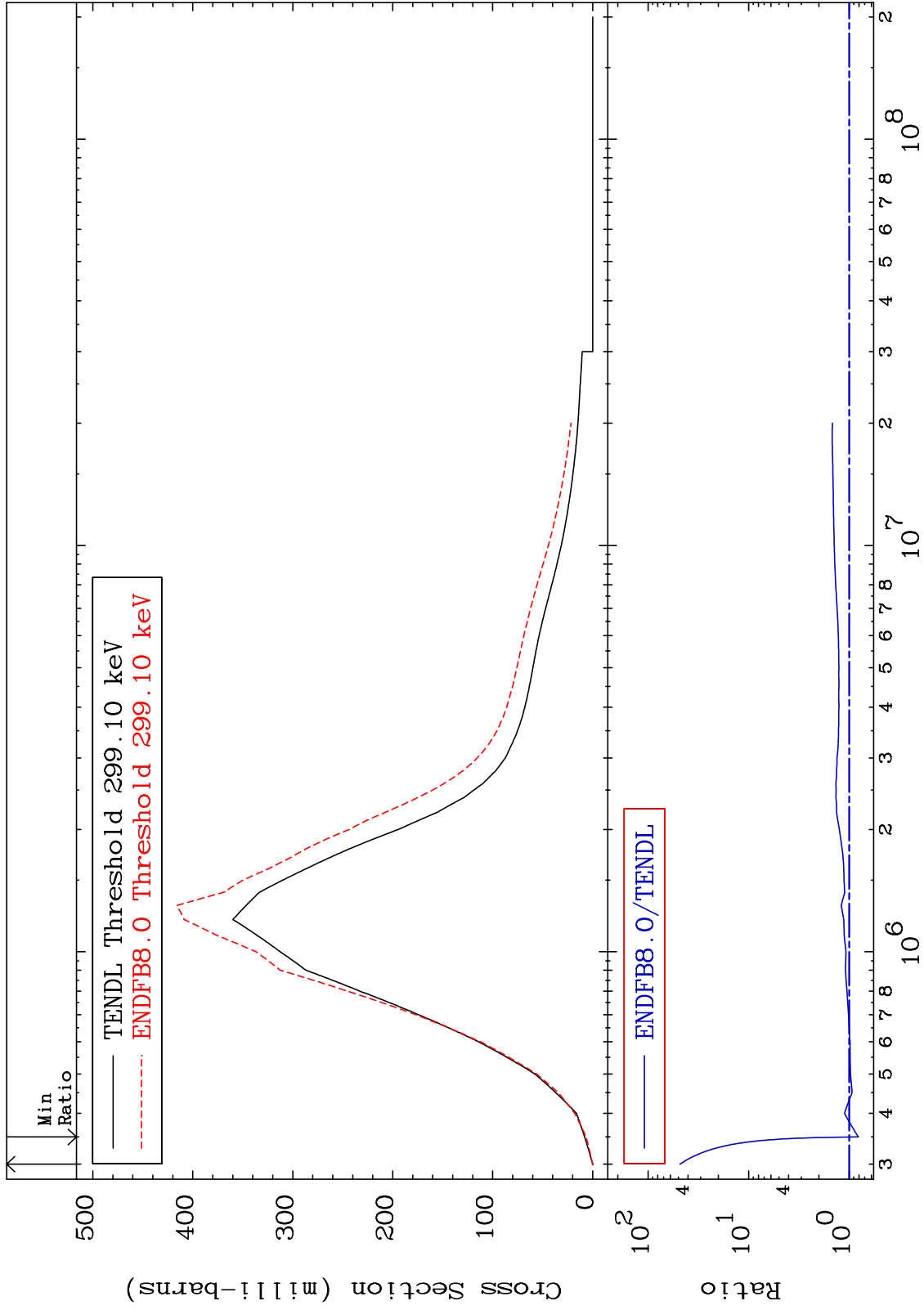
Incident Energy (eV)

72-Hf-174

MAT 7225

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

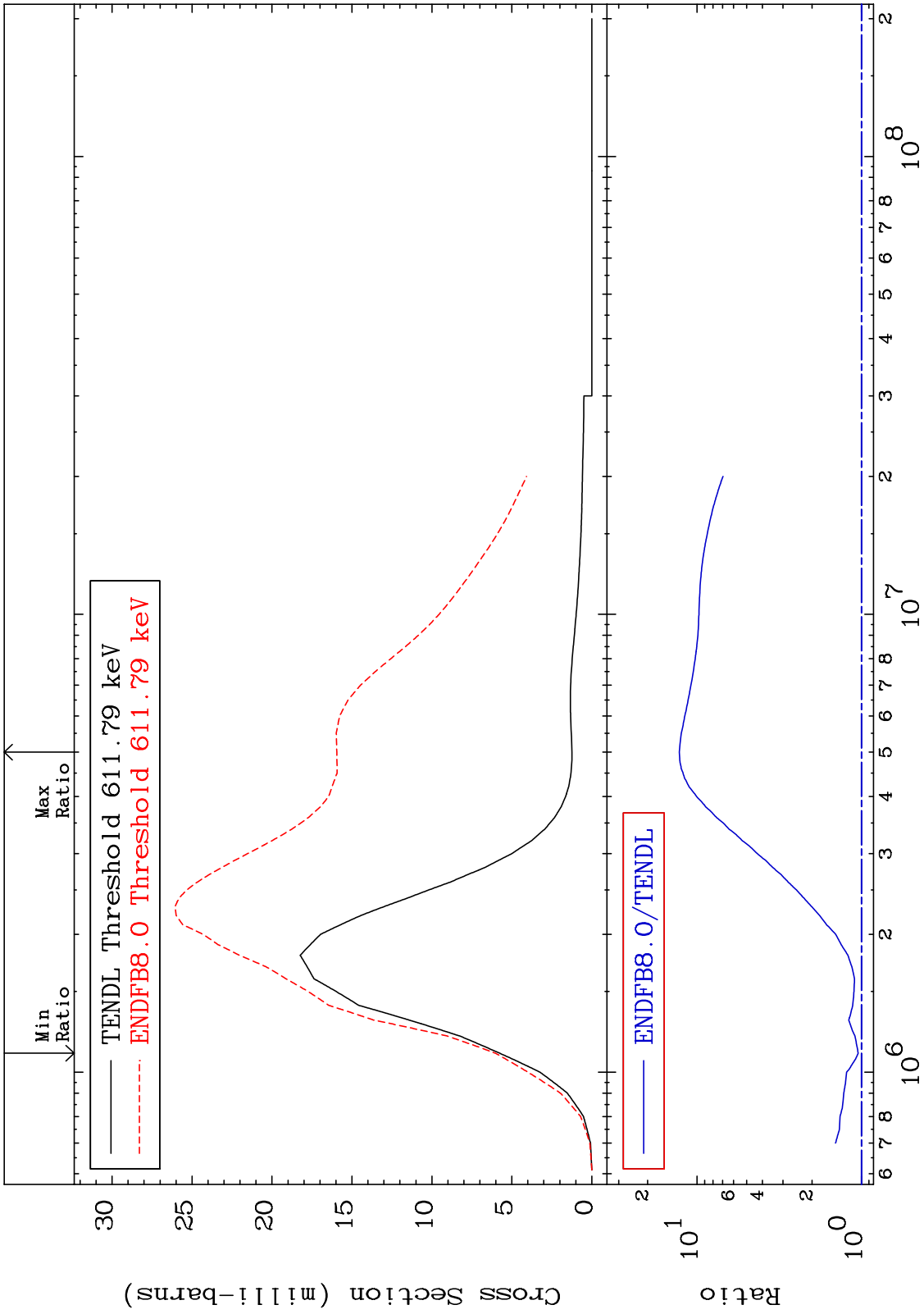
72-Hf-174
-19.01 To 4711. %



MAT 7225

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

72-Hf-174
4.553 To 1183. %



10

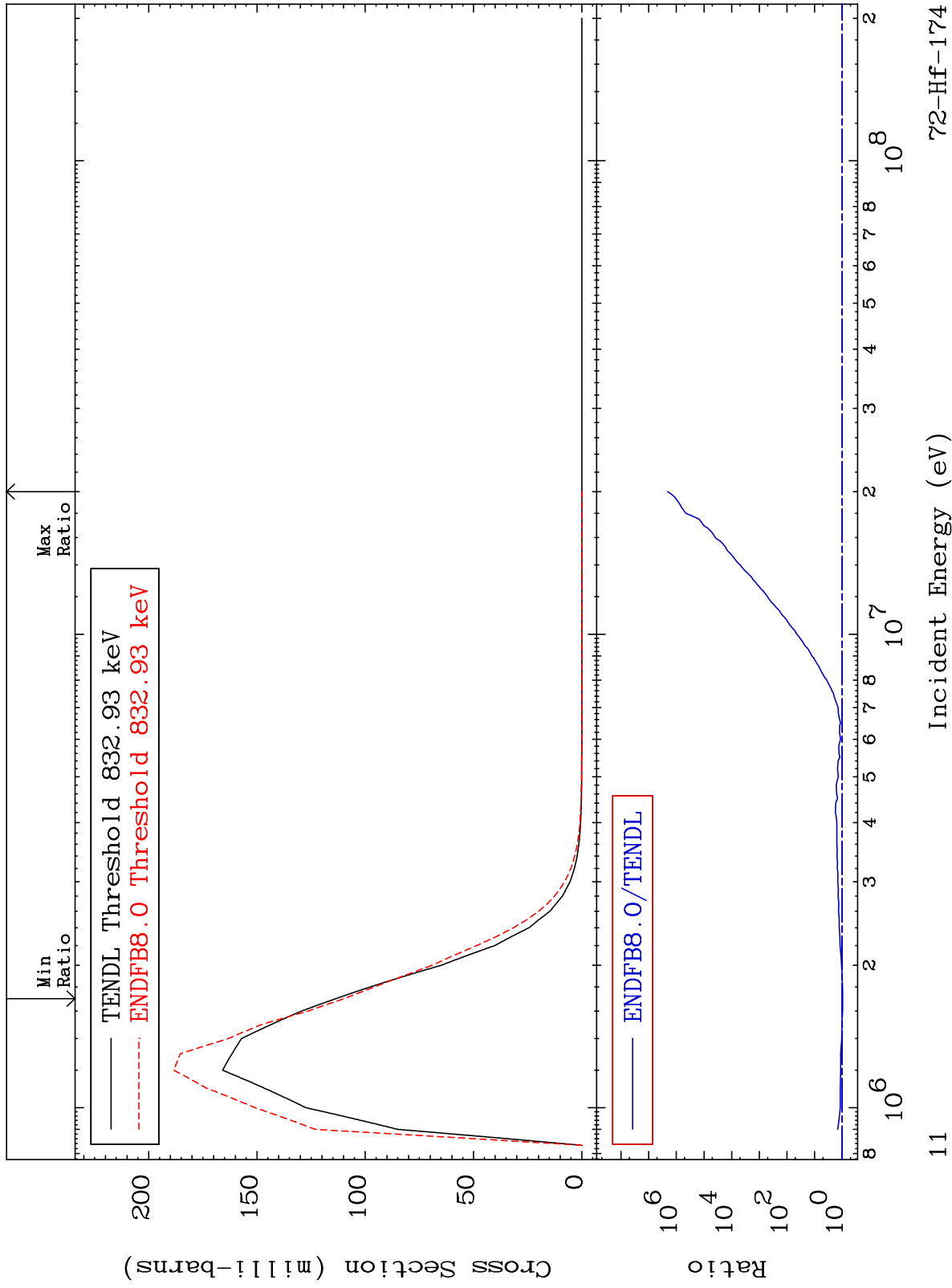
Incident Energy (eV)

72-Hf-174

MAT 7225

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

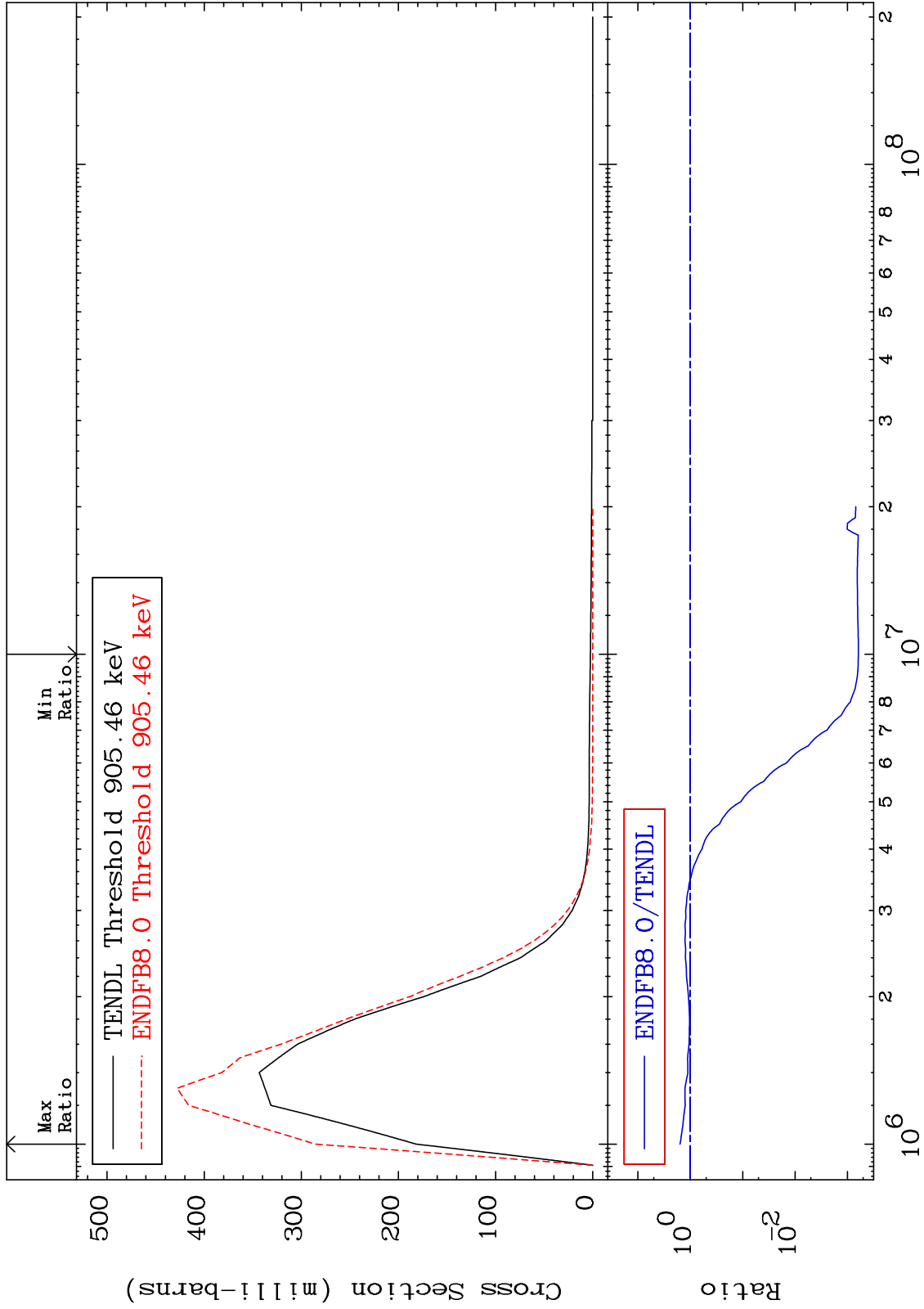
⁷²Hf-174
-3.354 To 9999. %



MAT 7225

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

72-Hf-174
-99.94 To 57.17 %



72-Hf-174

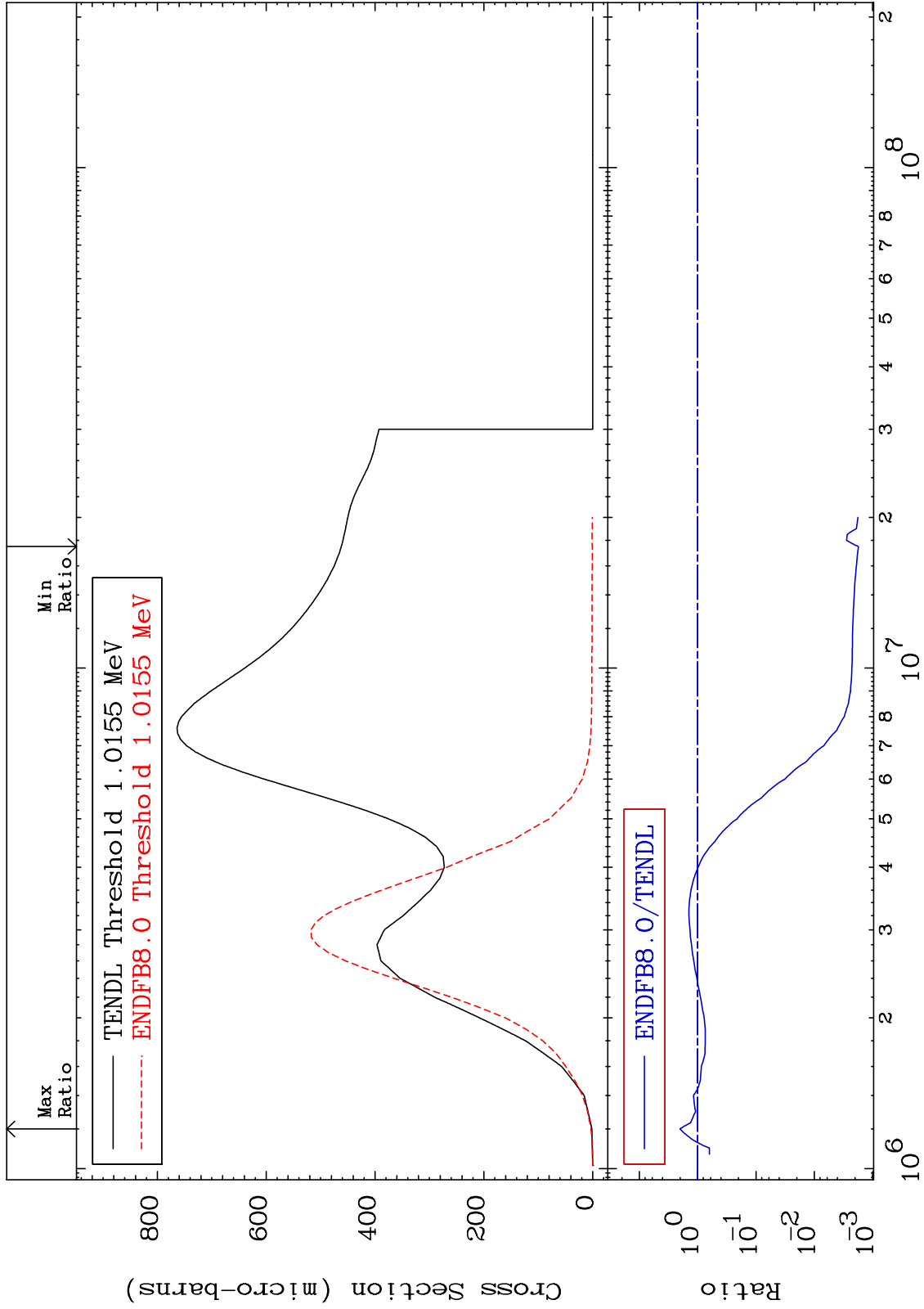
Incident Energy (eV)

12

MAT 7225

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

72-Hf-174
-99.82 To 100.9 %

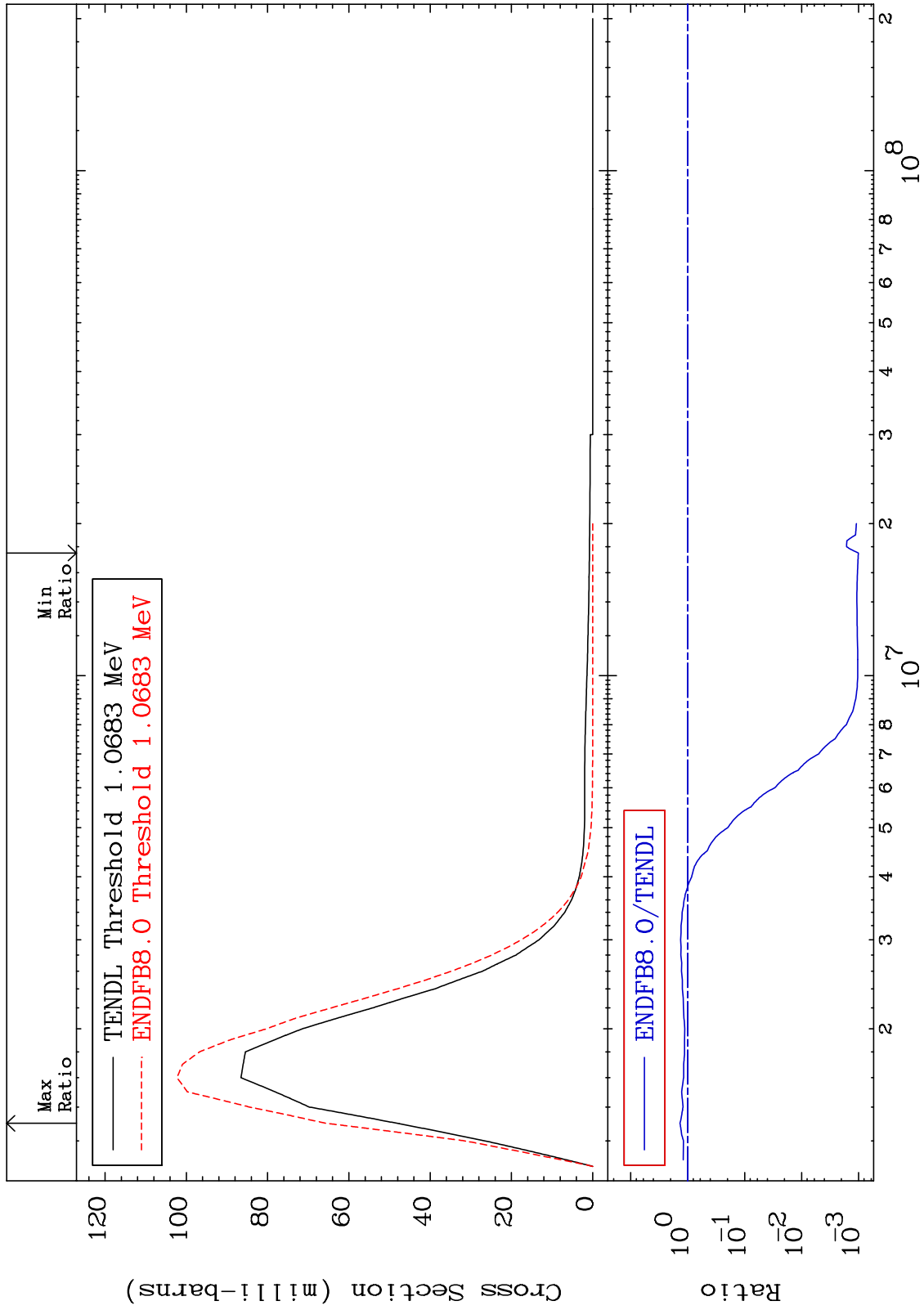


Incident Energy (eV)

72-Hf-174

13

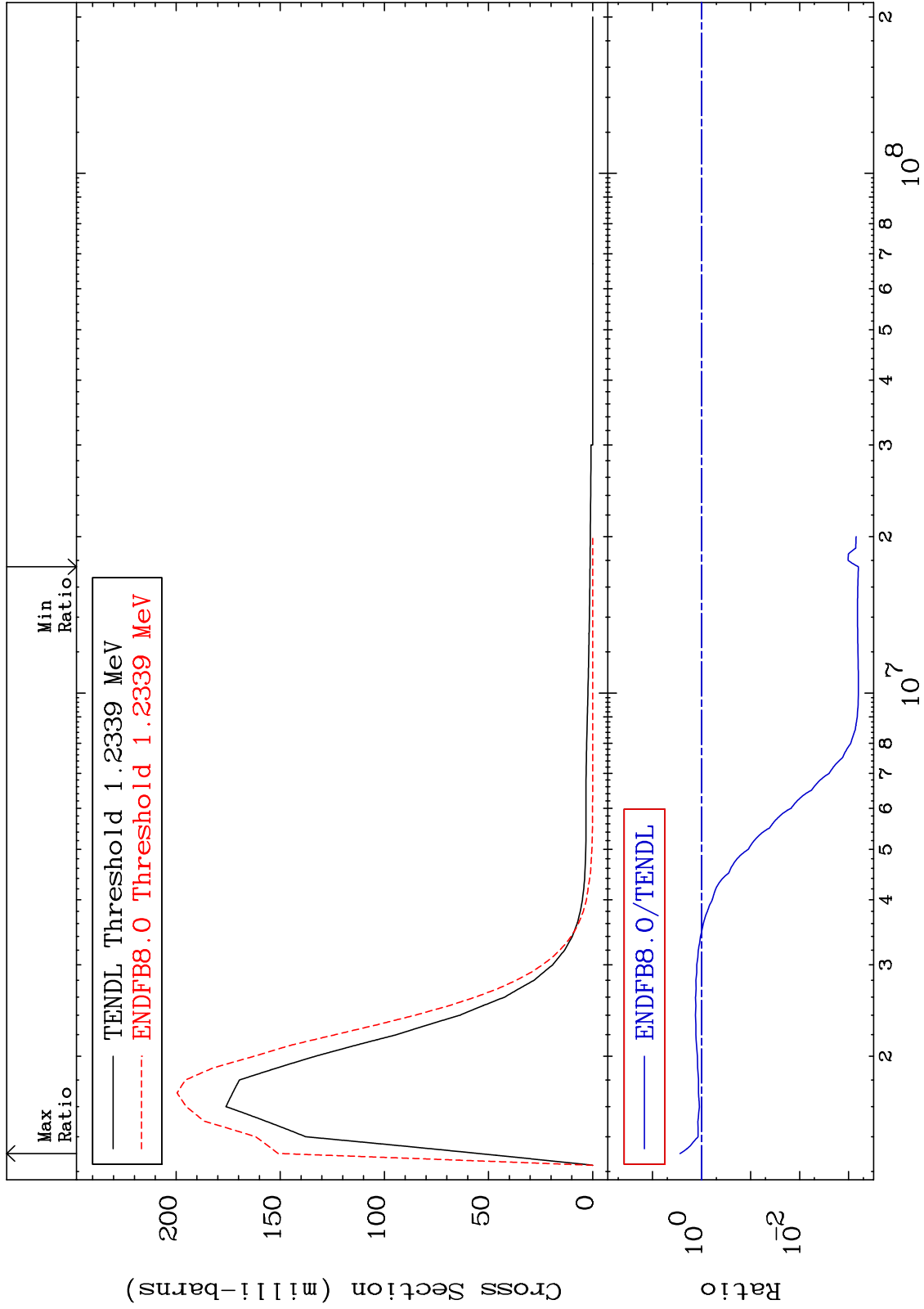
MAT 7225 MT= 57 (n,n') Level Cross Section 72-Hf-174
 -99.90 To 36.37 %



MAT 7225

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

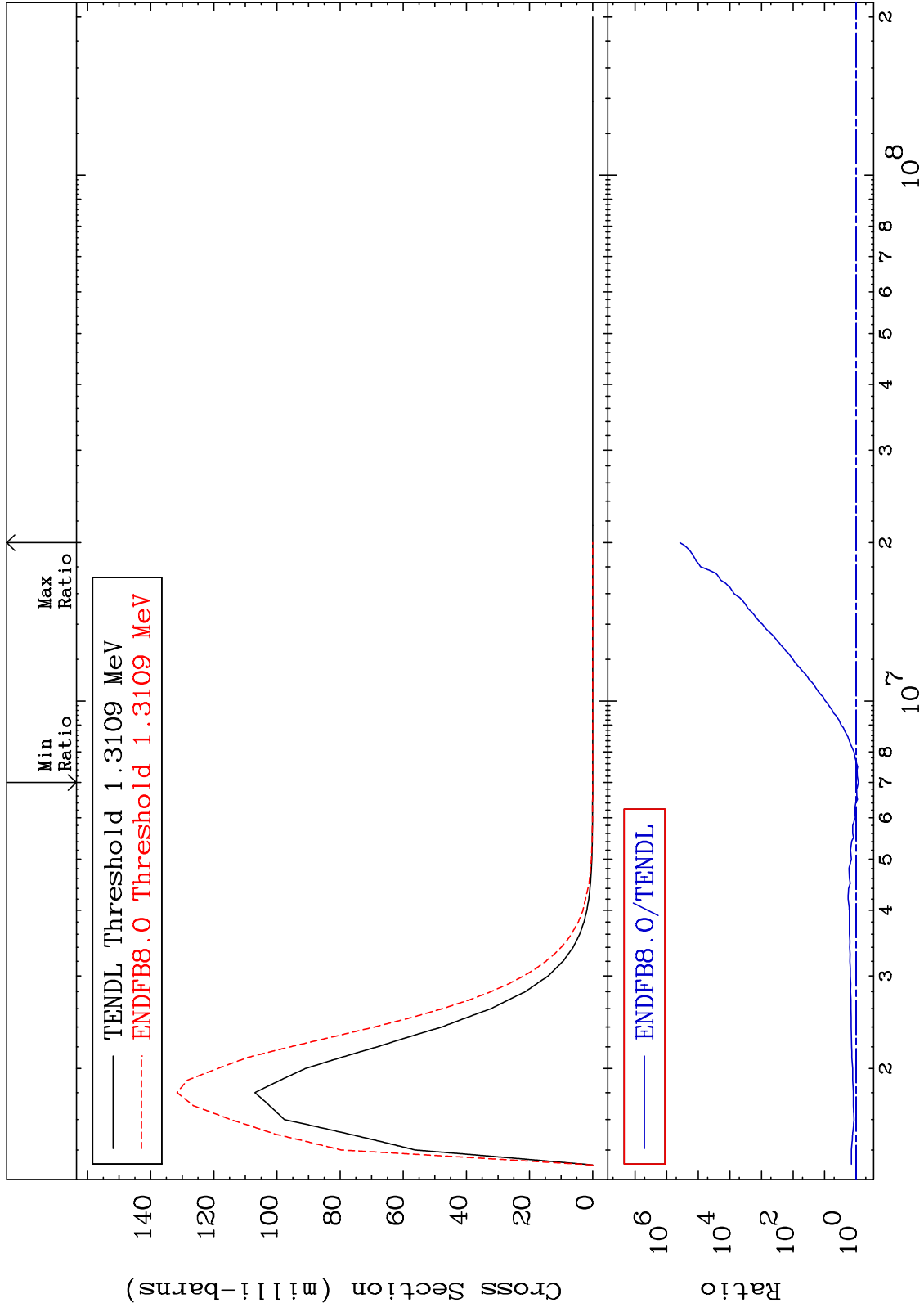
72-Hf-174
-99.94 To 175.4 %



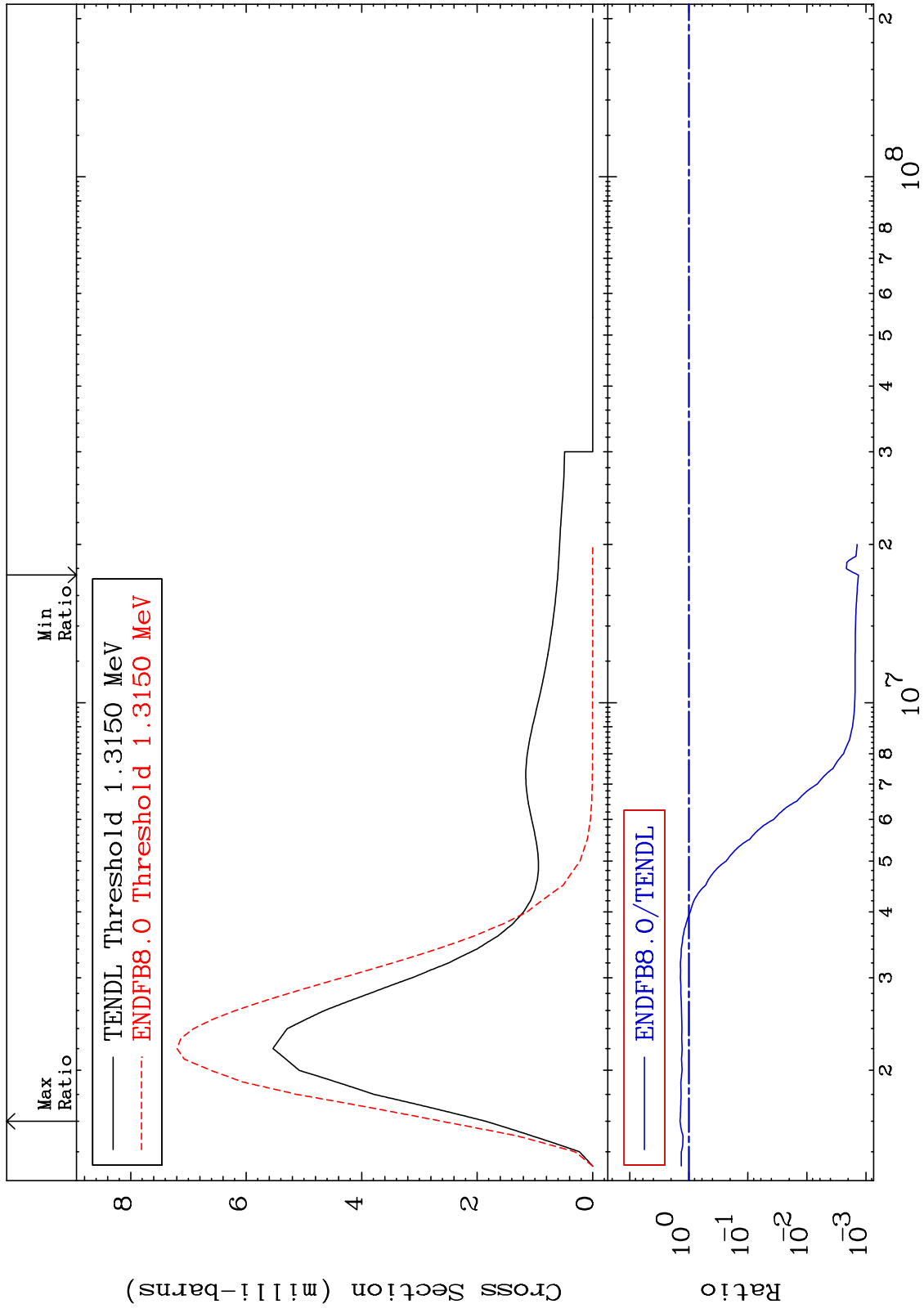
MAT 7225

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

⁷²Hf-174
-14.59 To 9999. %



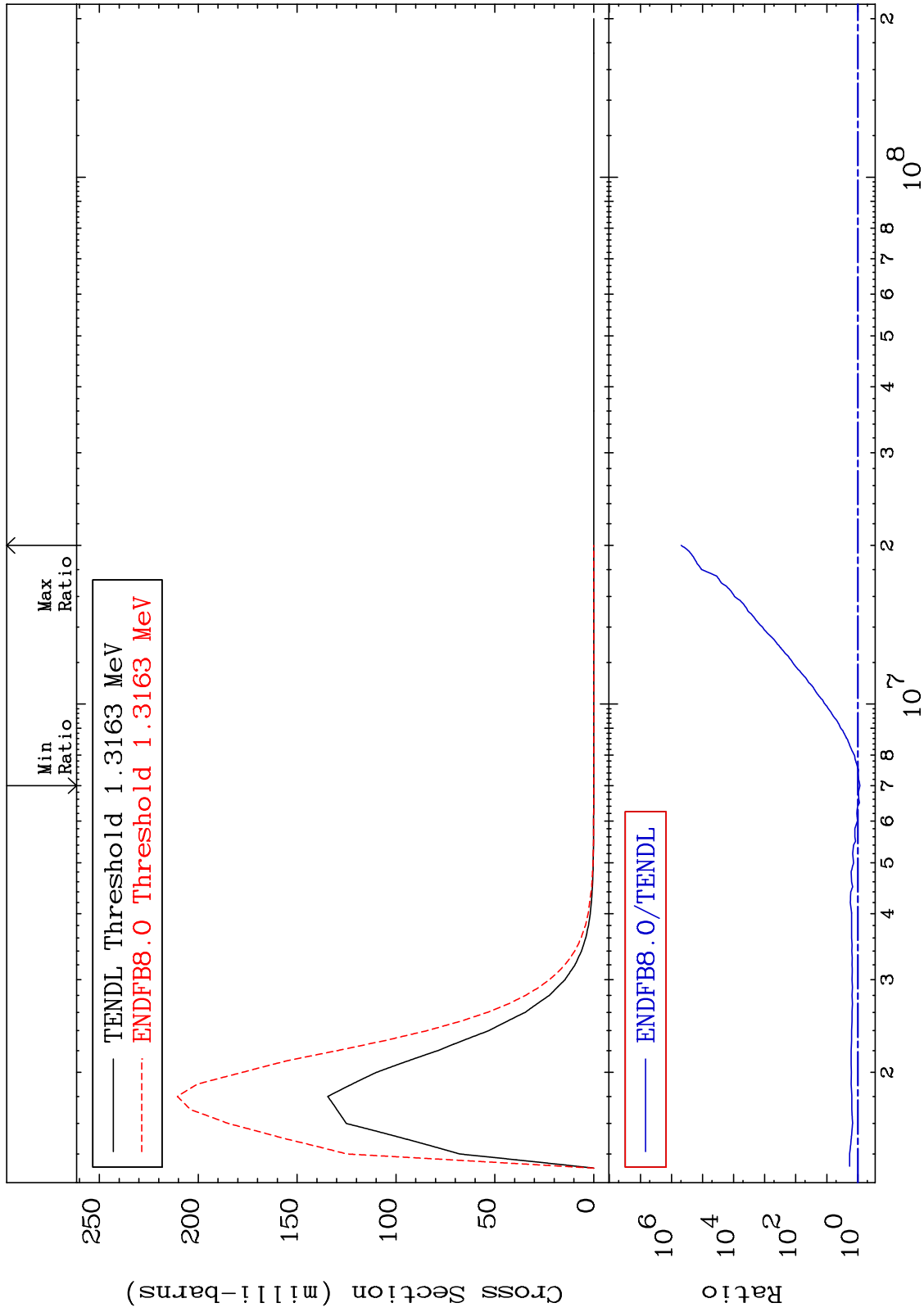
MAT 7225 MT= 60 (n,n') Level Cross Section 72-Hf-174 -99.87 To 41.20 %



MAT 7225

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

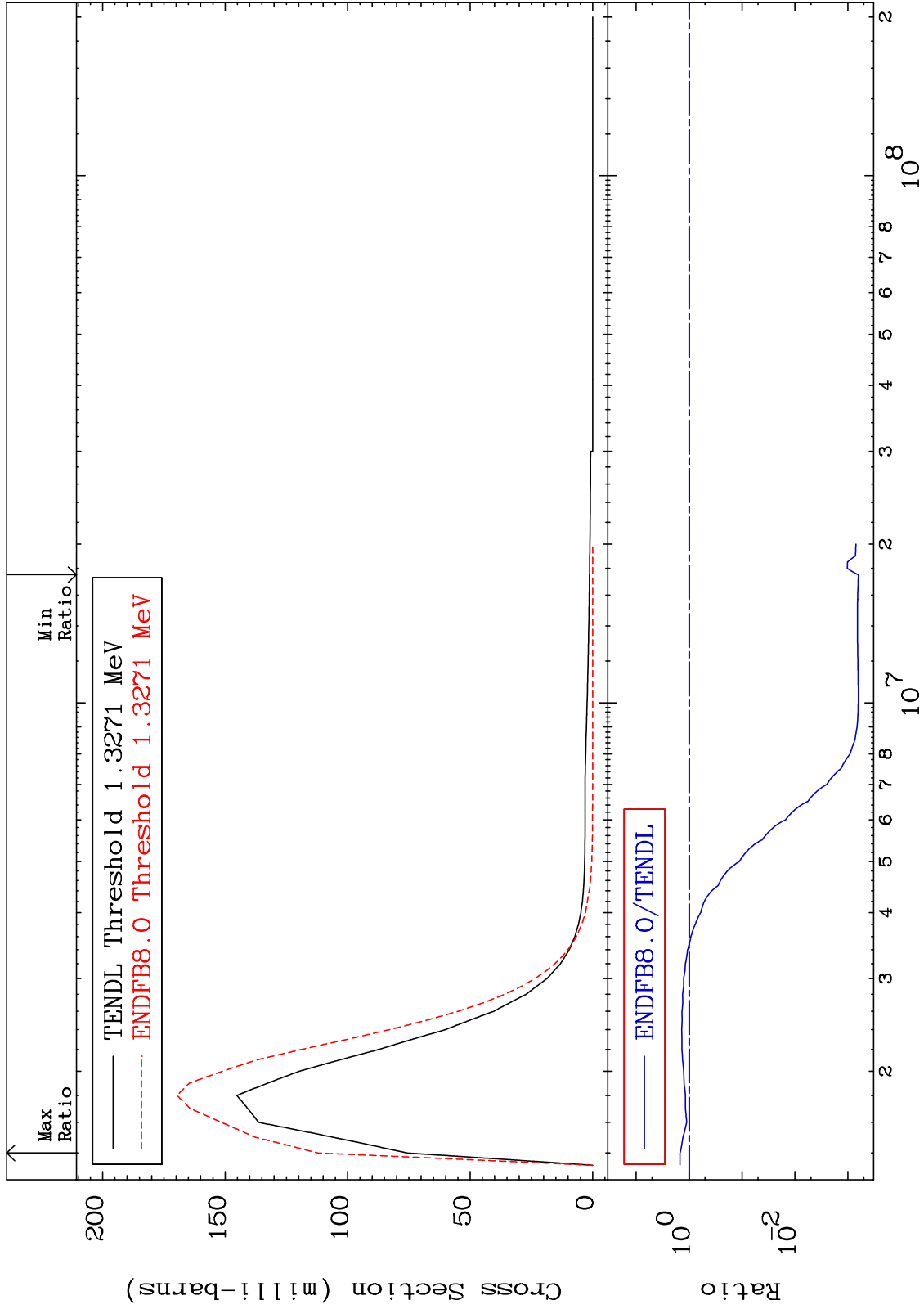
72-Hf-174
-14.25 To 9999. %



MAT 7225

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

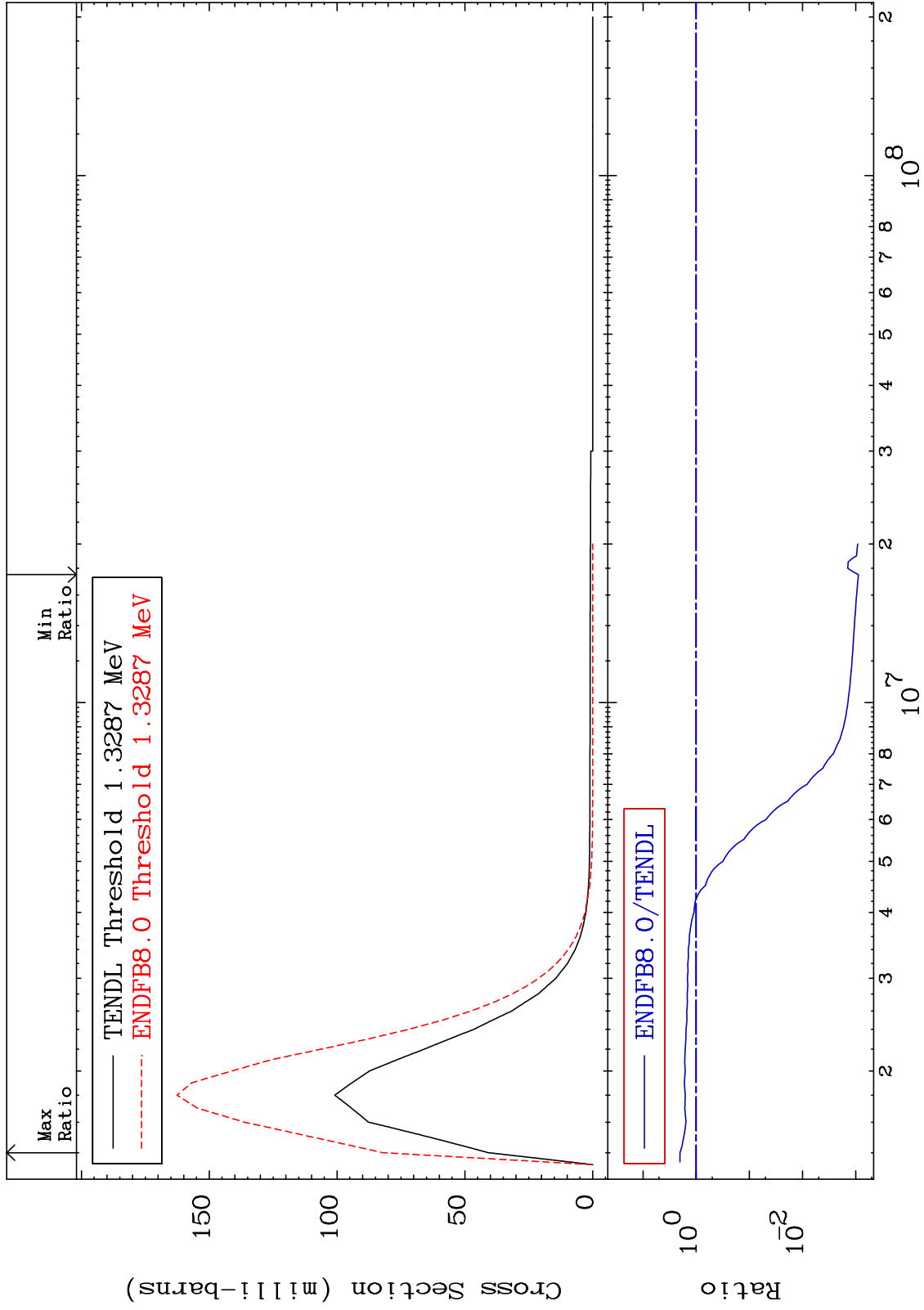
⁷²Hf-174
-99.94 To 48.04 %



MAT 7225

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

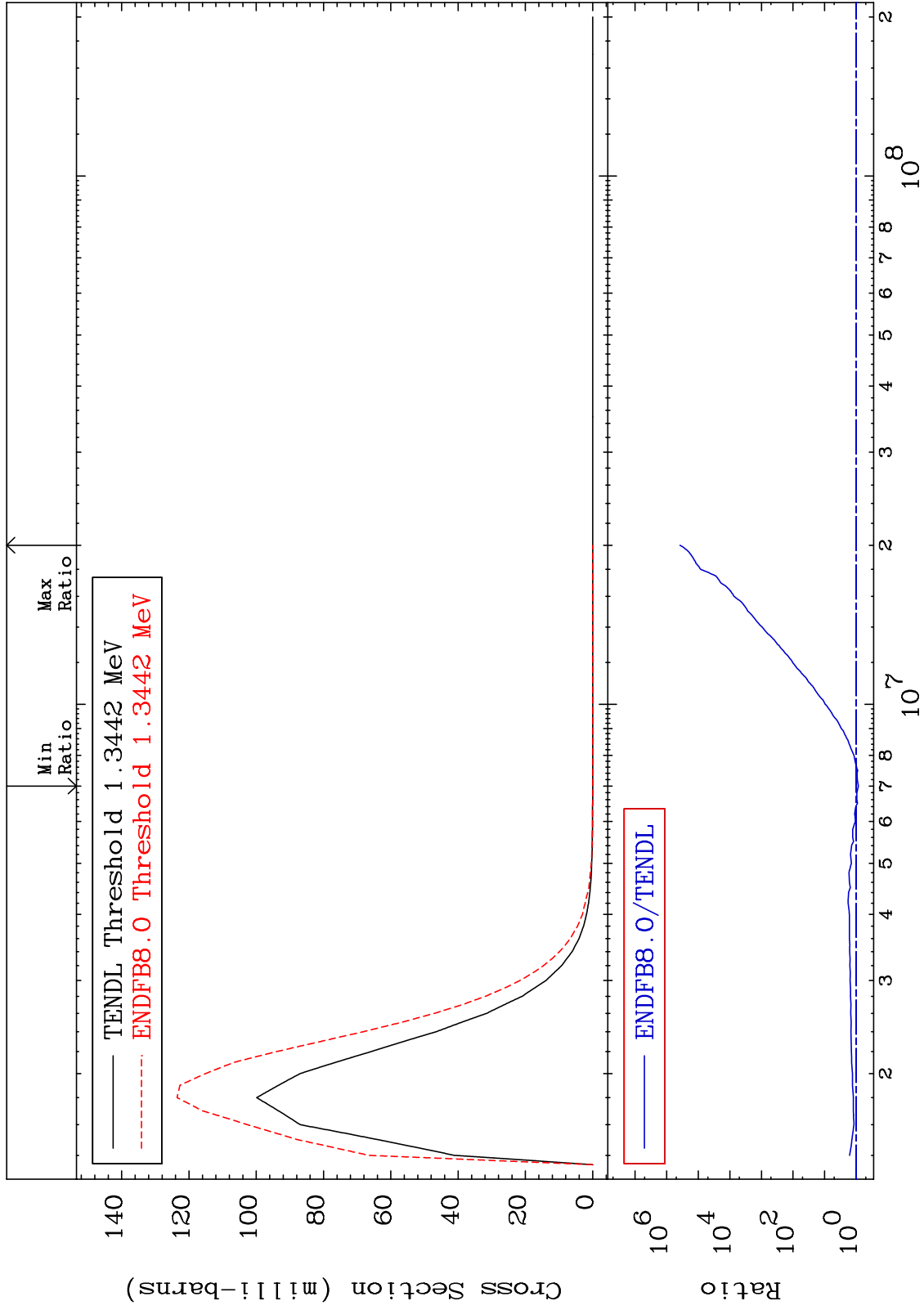
72-Hf-174
-99.91 To 101.4 %



MAT 7225

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

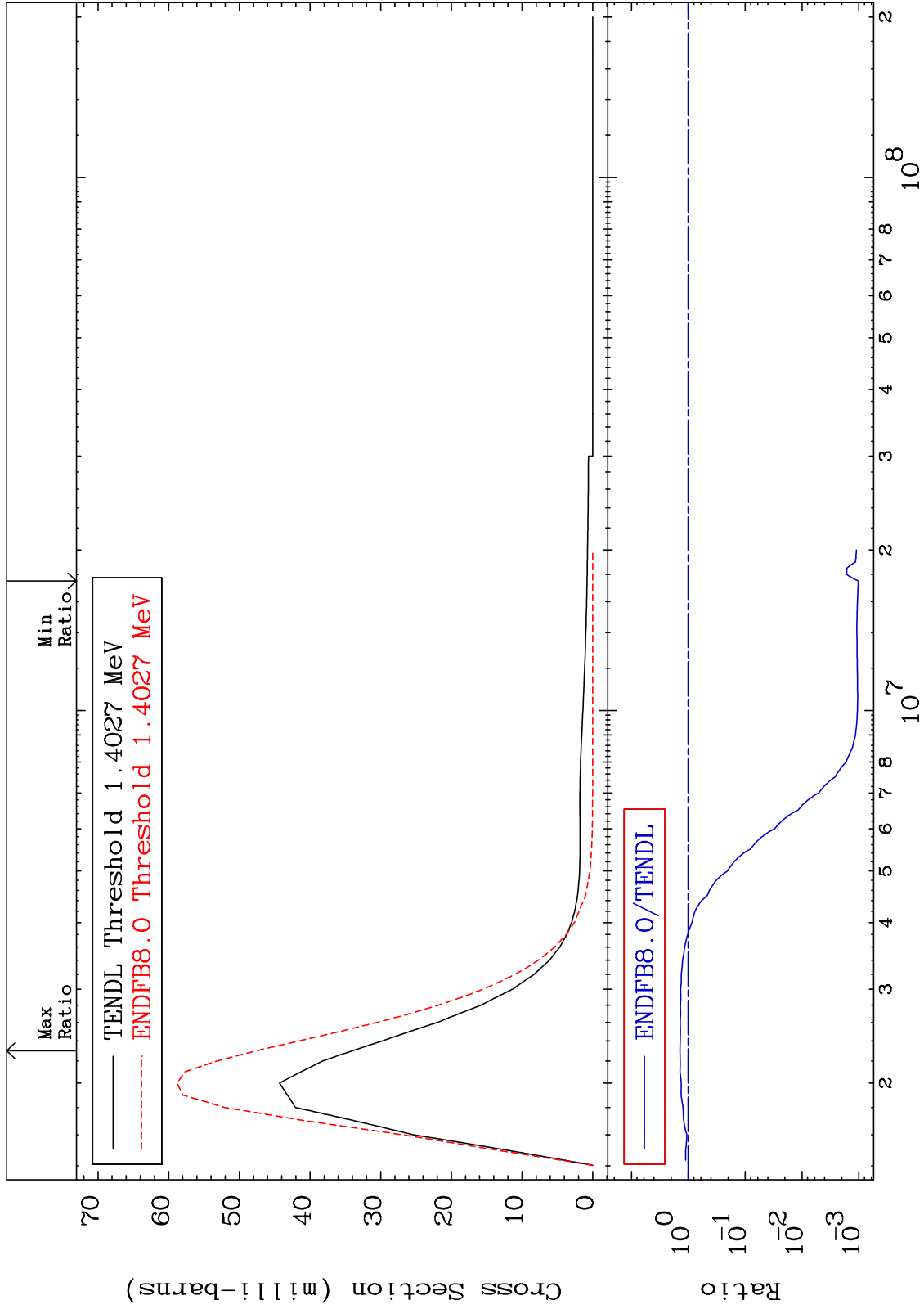
72-Hf-174
-14.69 To 9999. %



MAT 7225

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

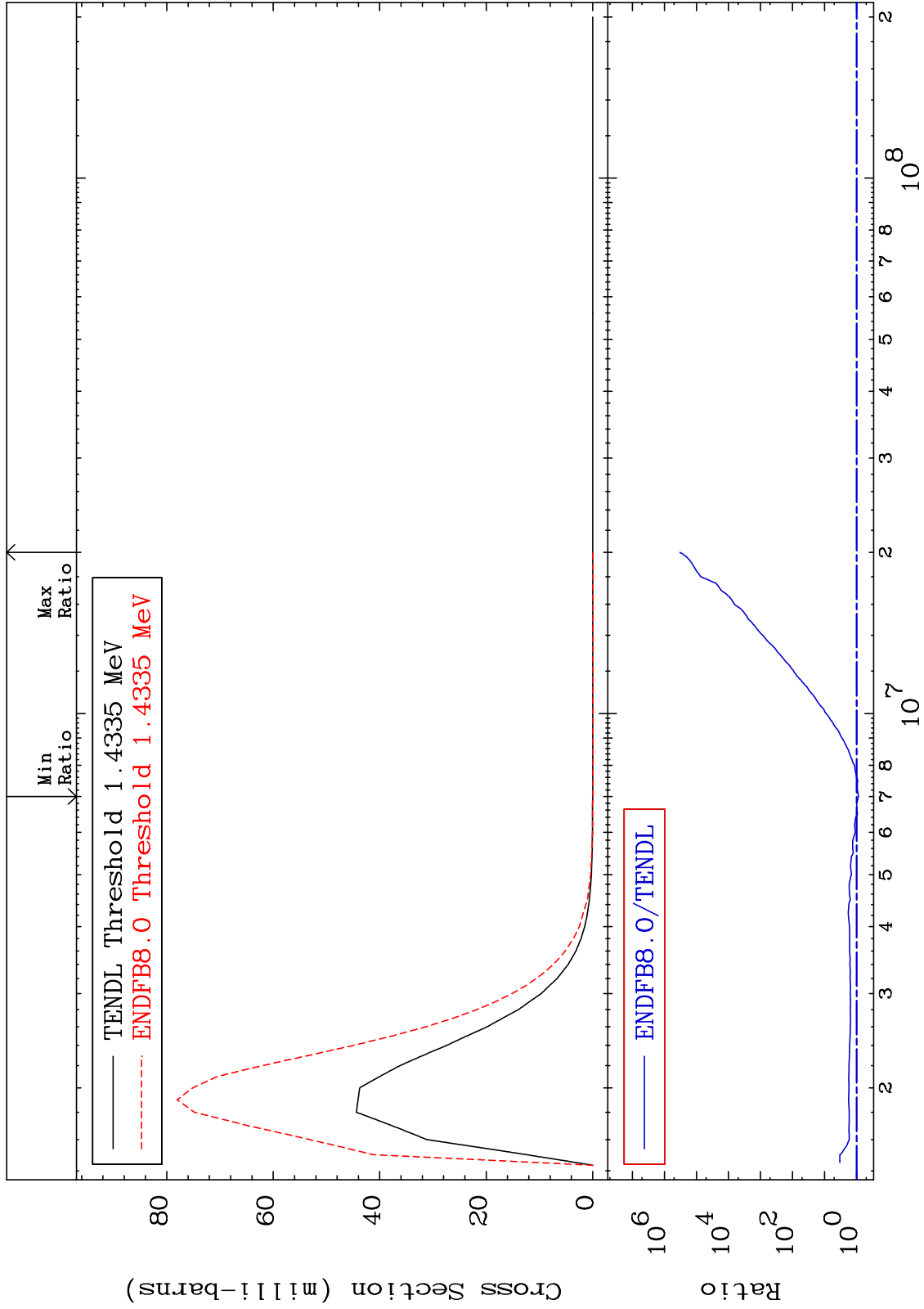
72-Hf-174
-99.90 To 39.87 %



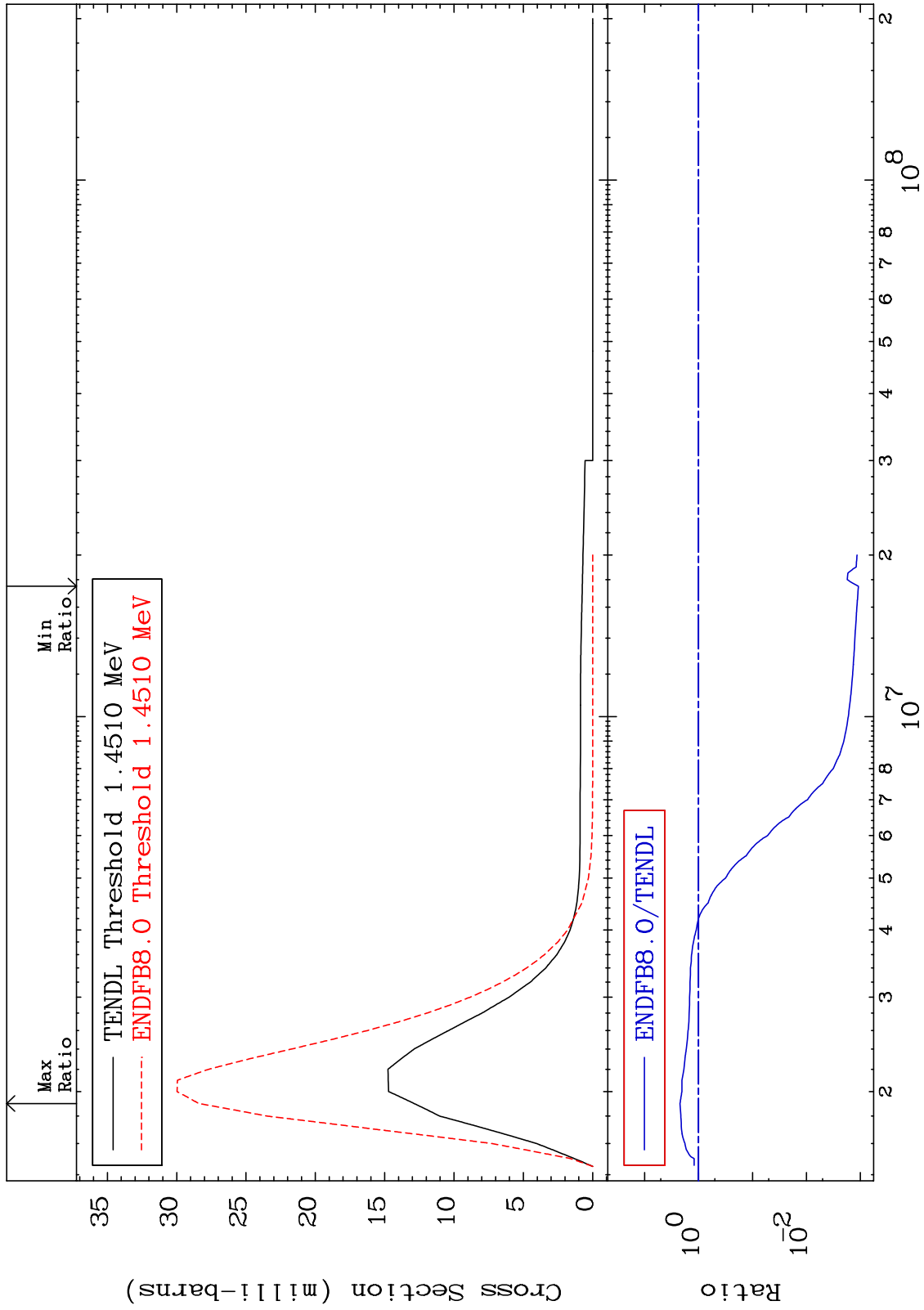
MAT 7225

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

72-Hf-174
-12.38 To 9999. %



MAT 7225 MT= 67 (n, n') Level Cross Section 72-Hf-174 -99.89 To 120.6 %



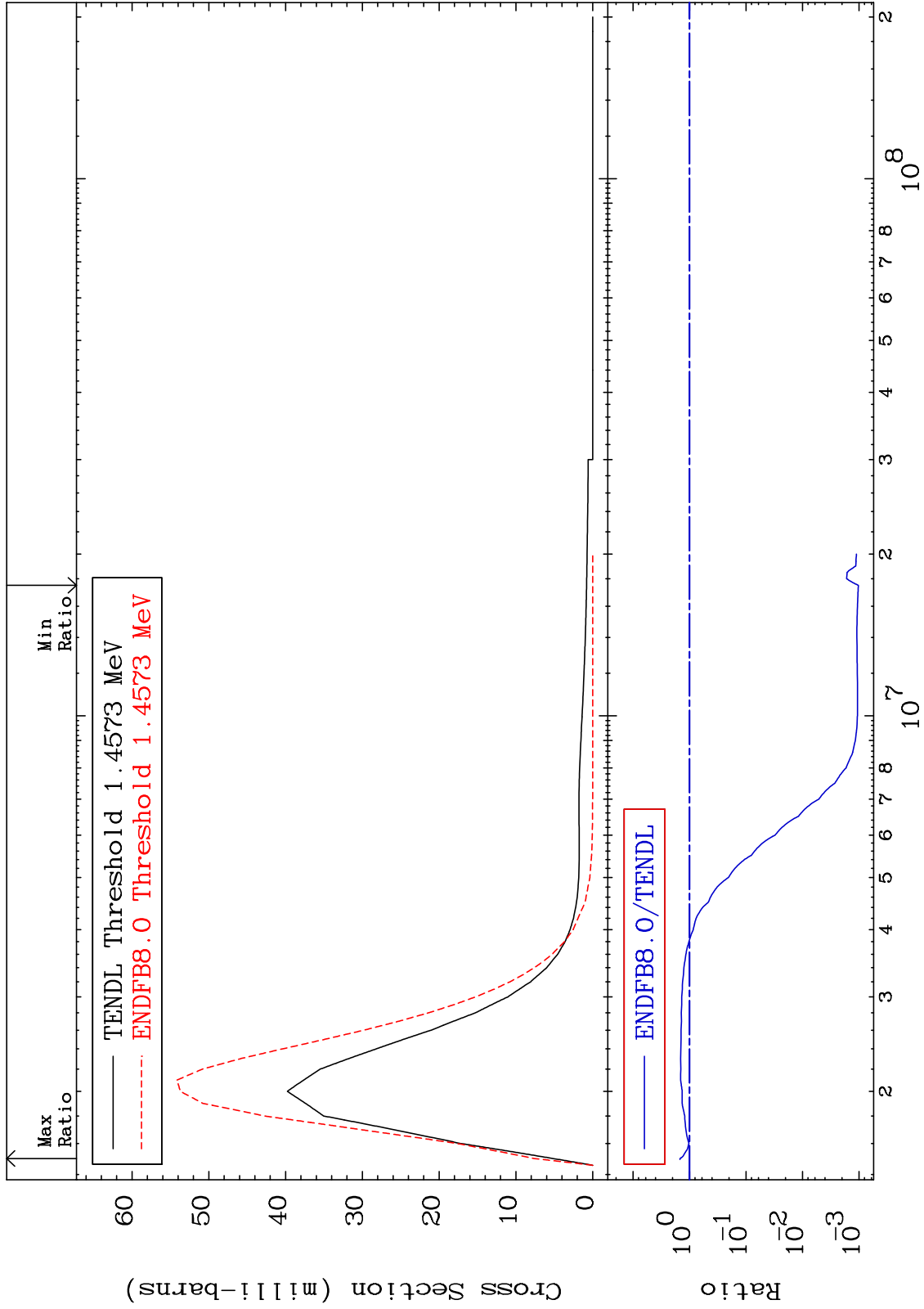
72-Hf-174

Incident Energy (eV)

MAT 7225

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

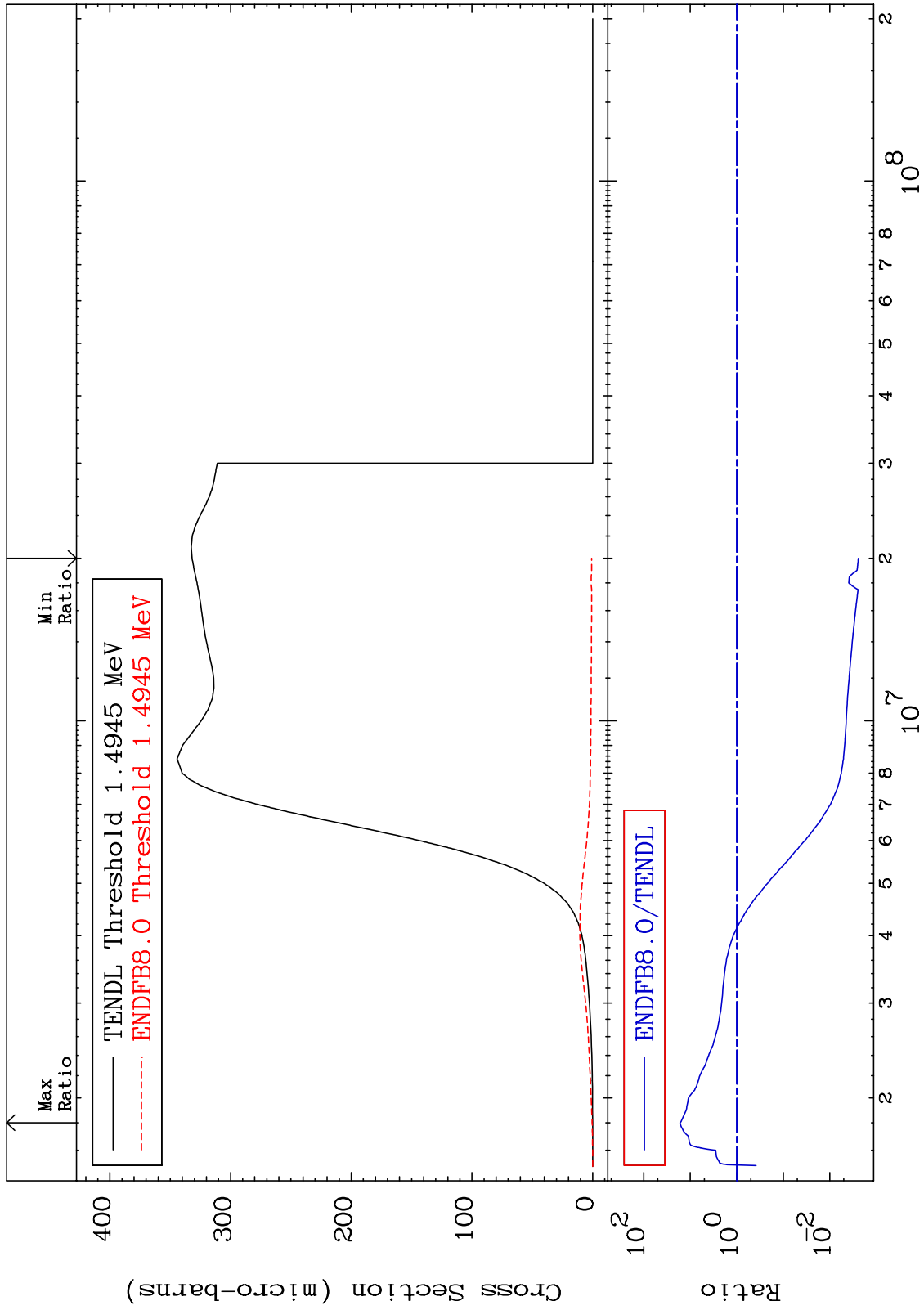
⁷²Hf-174
-99.90 To 47.44 %



MAT 7225

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

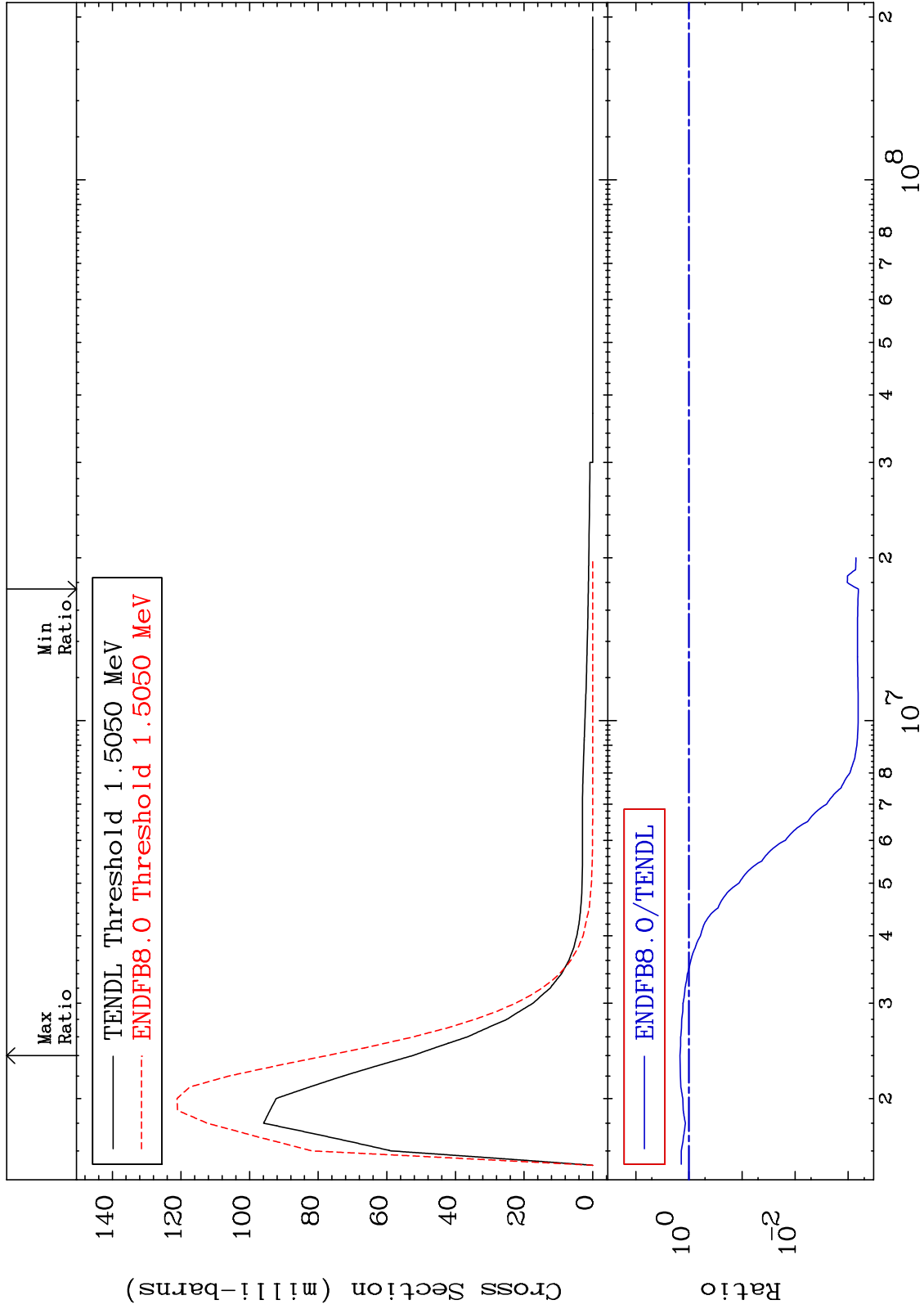
⁷²Hf-174
-99.76 To 1561. %



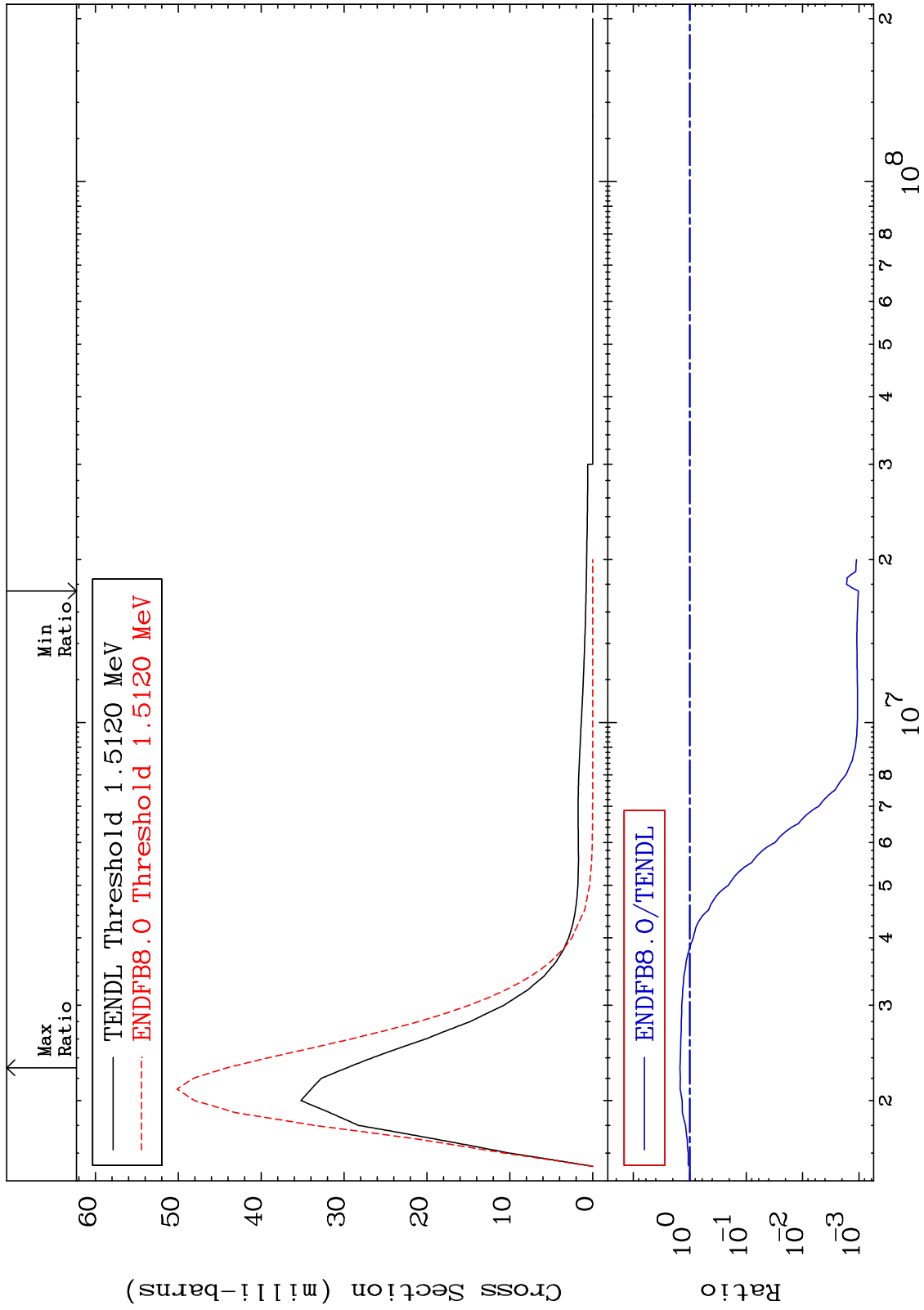
MAT 7225

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

72-Hf-174
-99.94 To 47.48 %



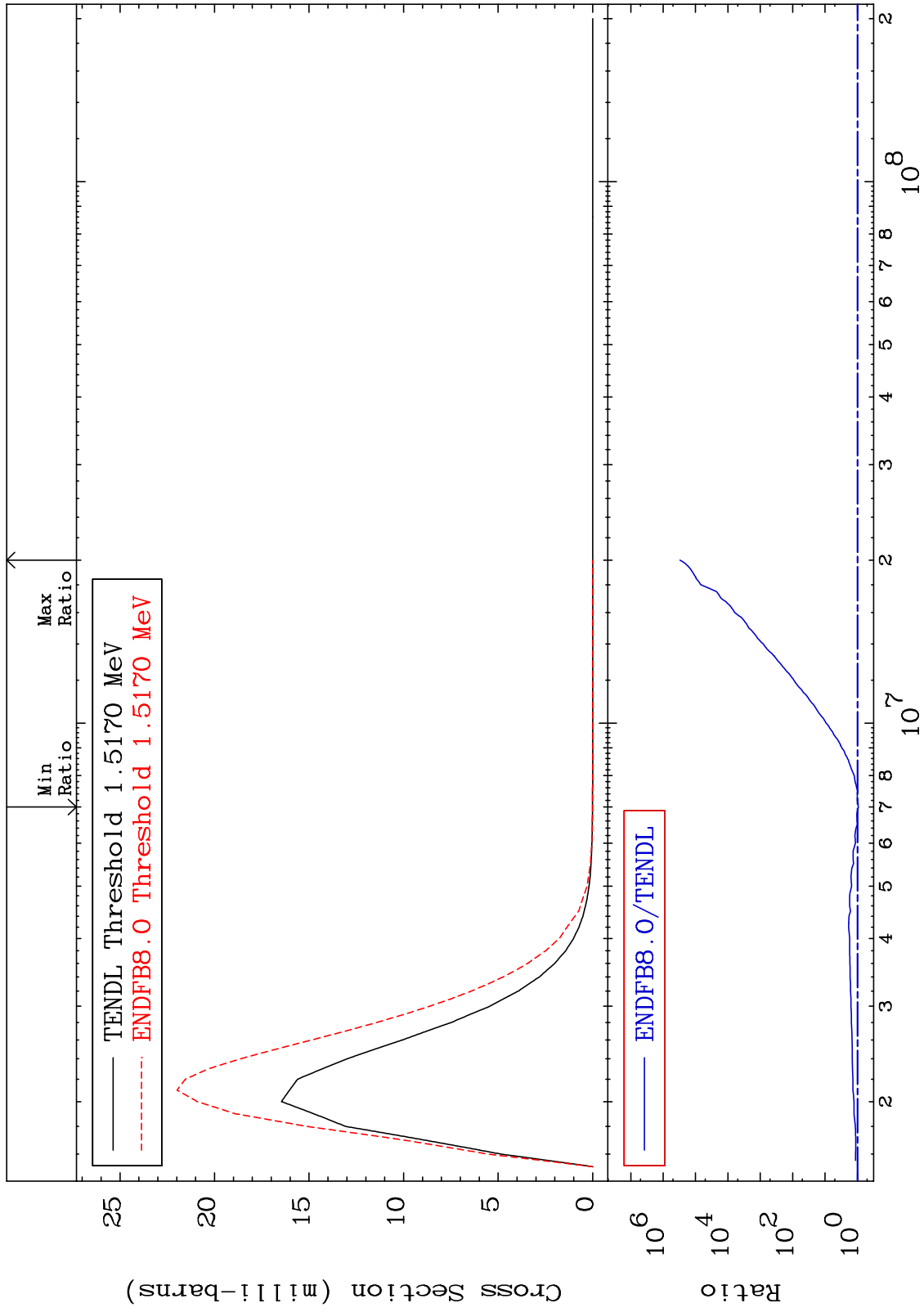
MAT 7225 MT= 71 (n,n') Level Cross Section 72-Hf-174 -99.90 To 48.78 %



MAT 7225

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

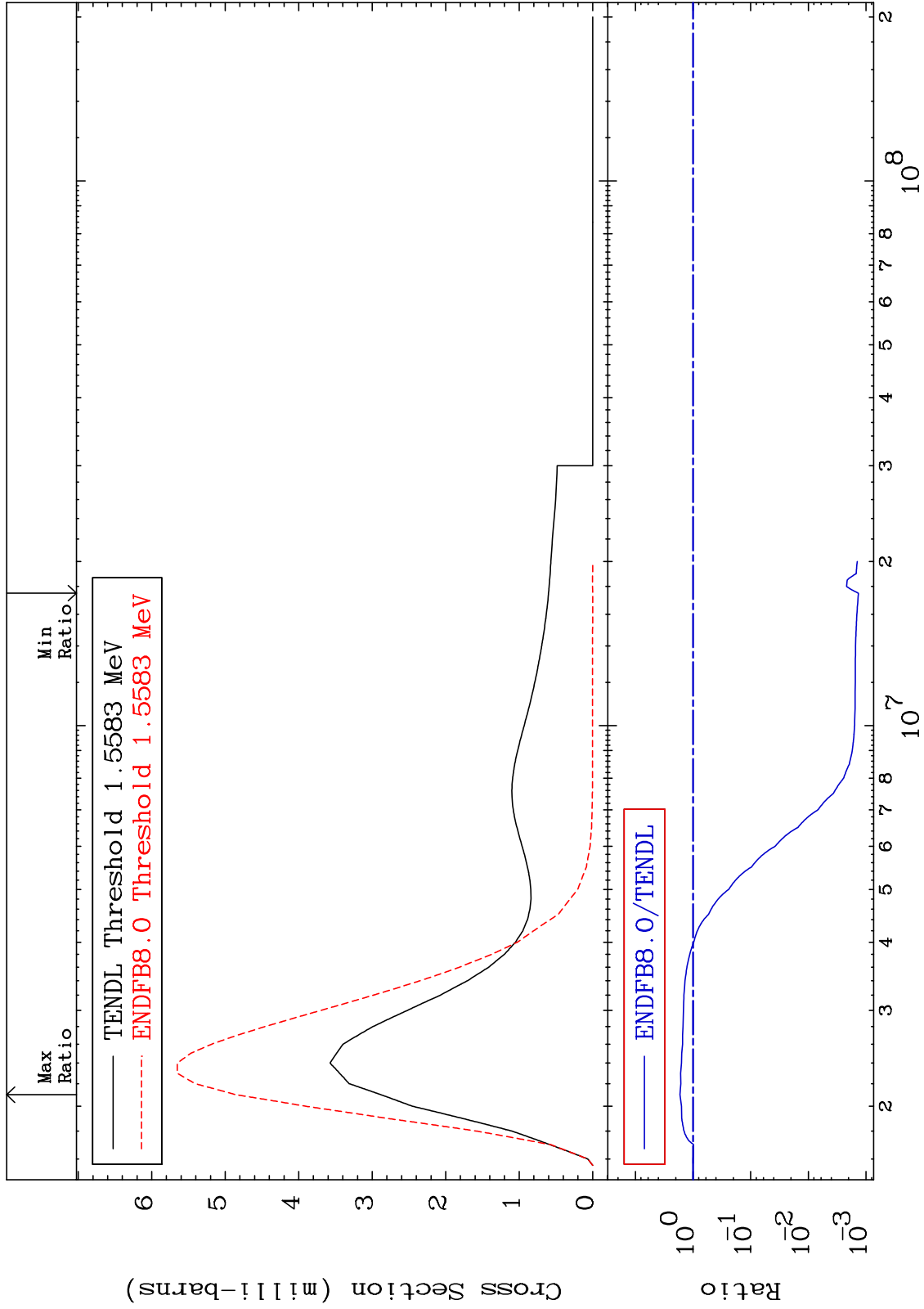
72-Hf-174
-6.767 To 9999. %



MAT 7225

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

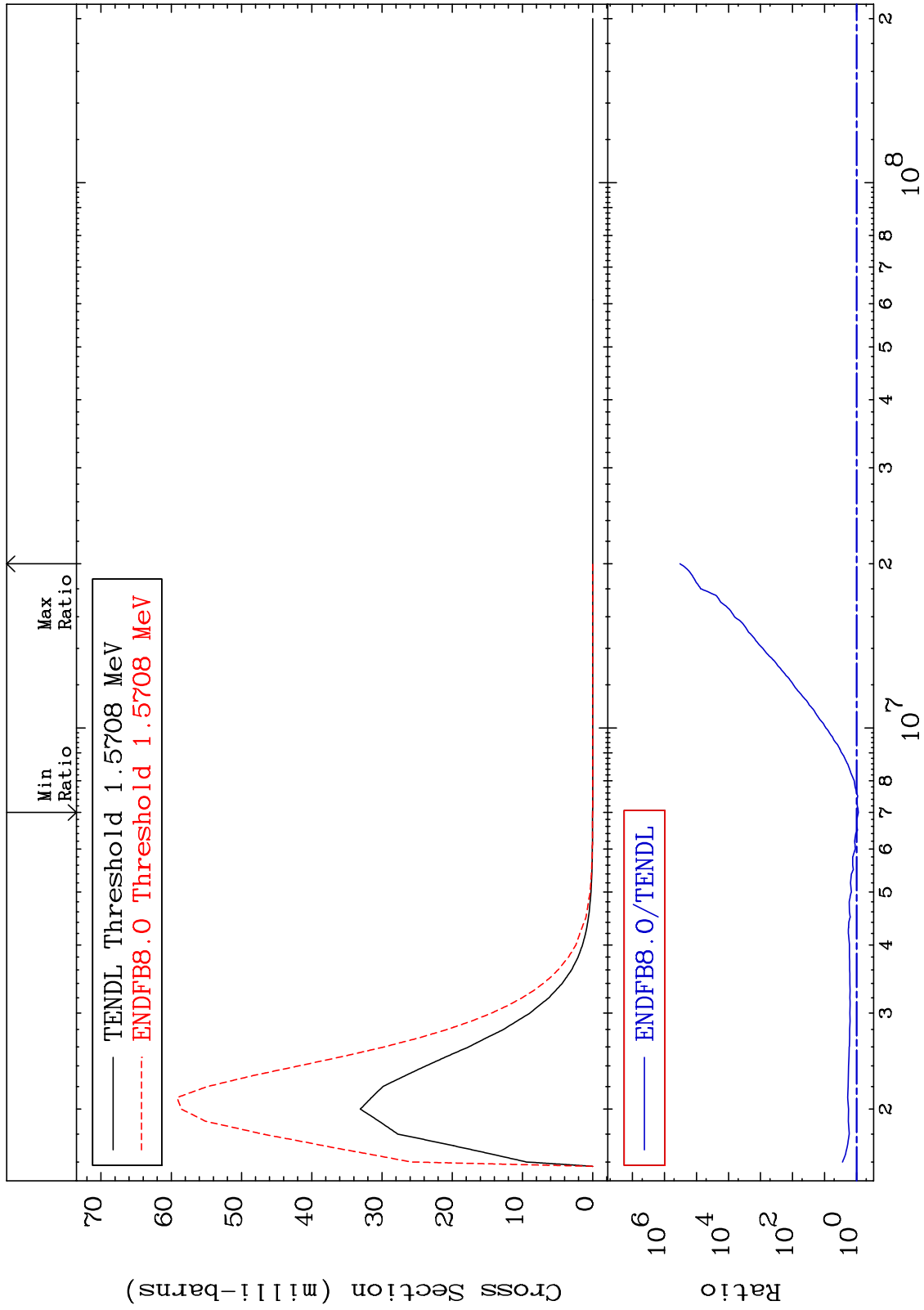
72-Hf-174
-99.86 To 68.34 %



MAT 7225

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

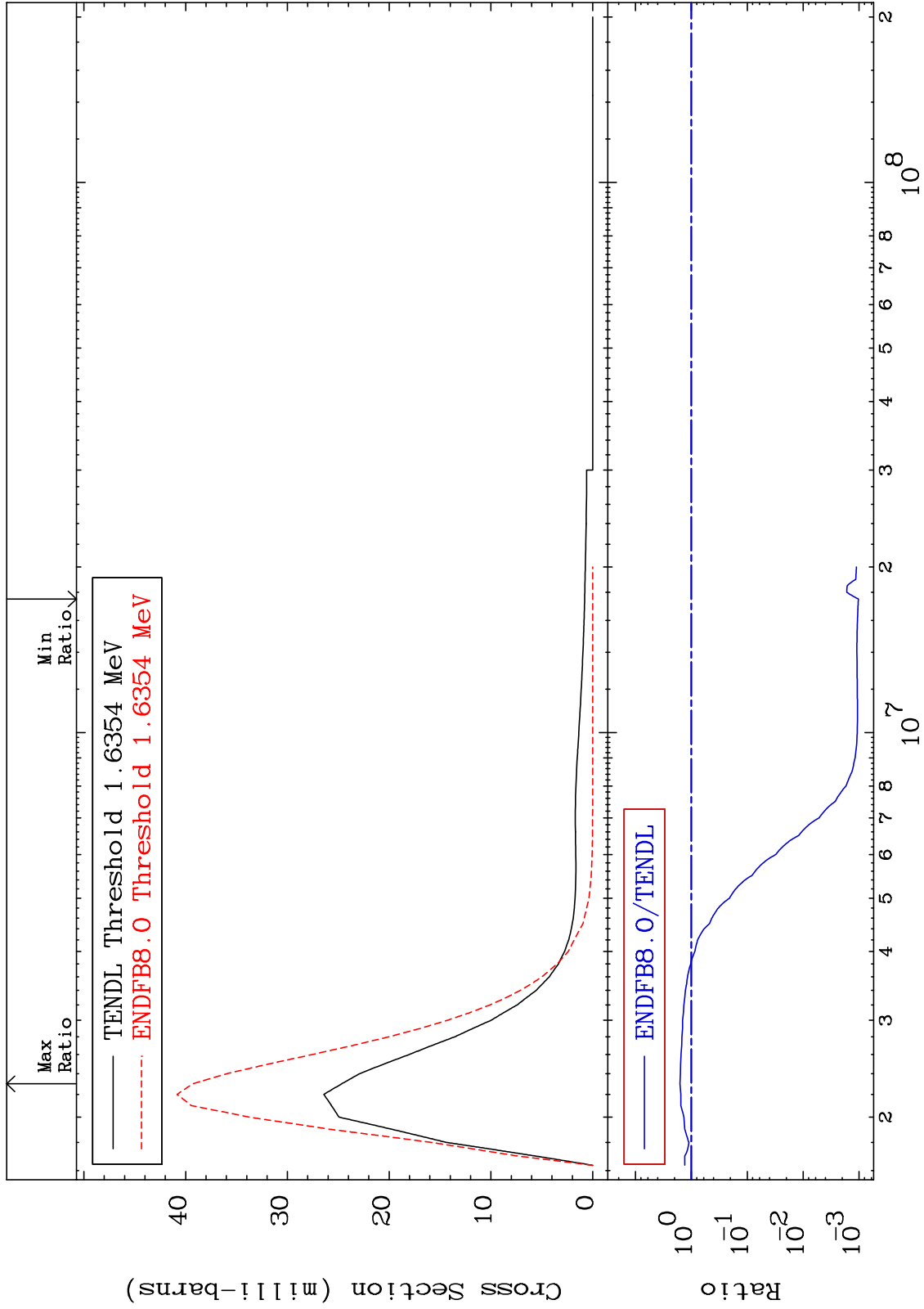
72-Hf-174
-12.73 To 9999. %



MAT 7225

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

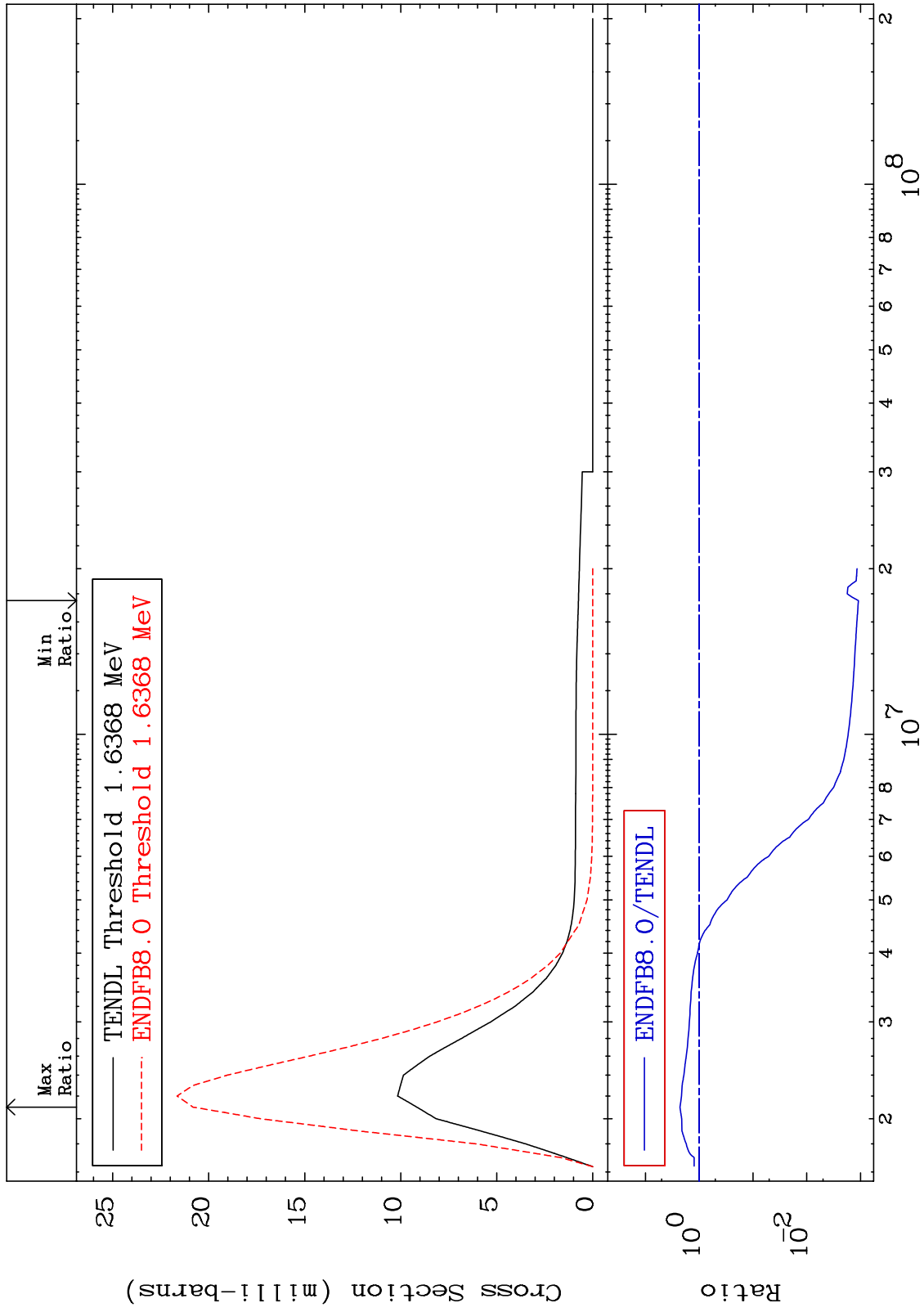
72-Hf-174
-99.90 To 59.34 %



MAT 7225

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

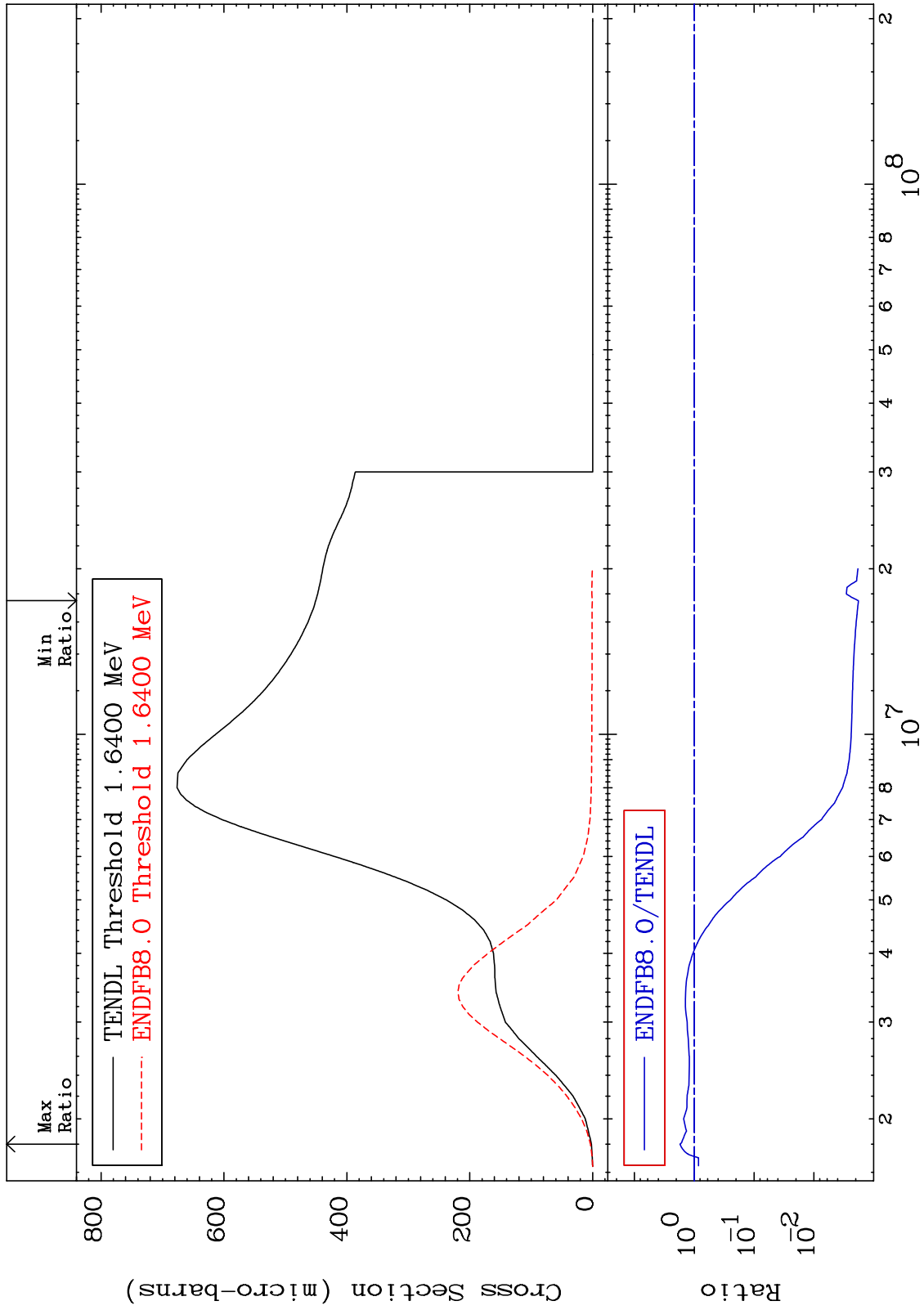
72-Hf-174
-99.89 To 127.3 %



MAT 7225

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

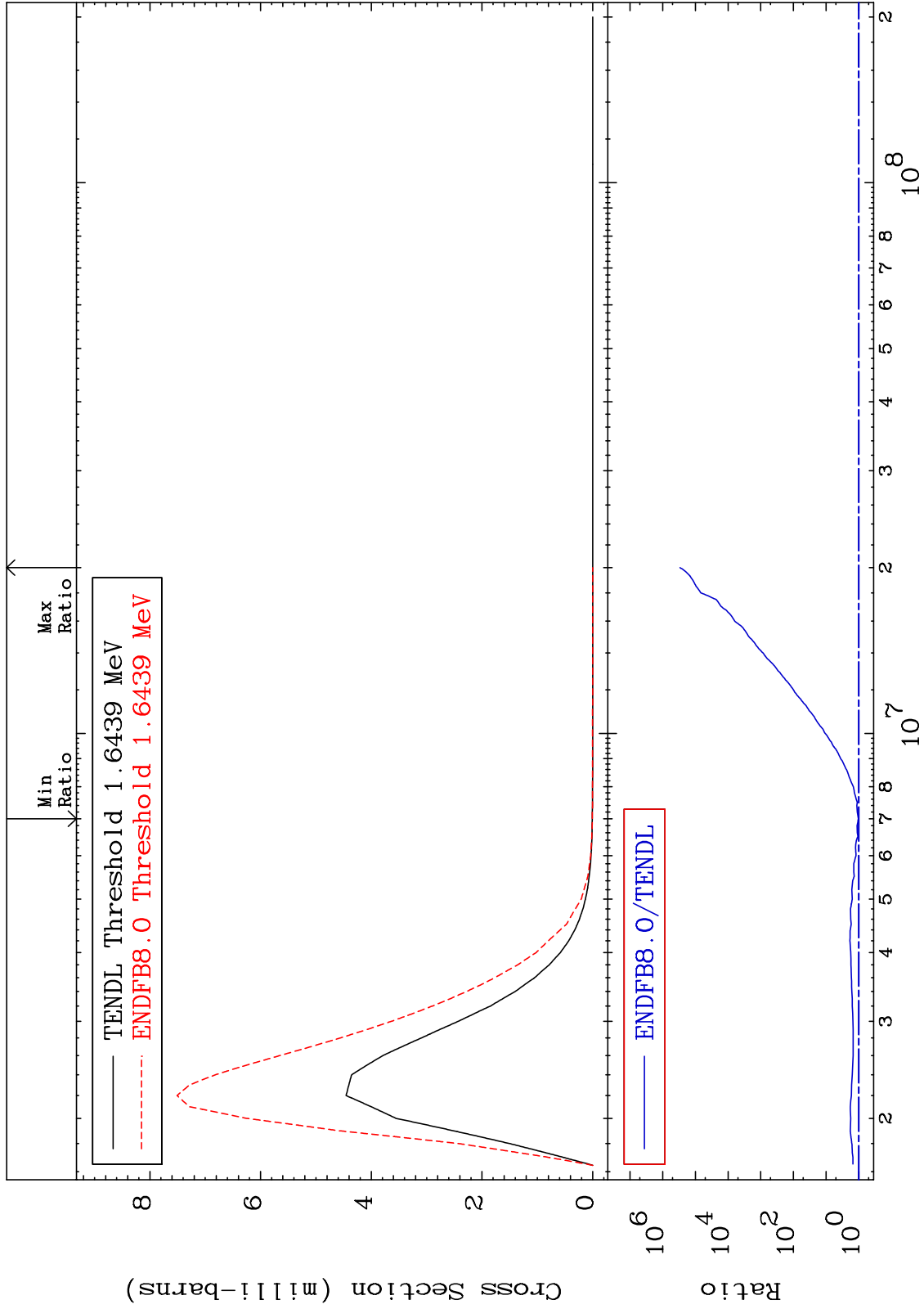
⁷²Hf-174
-99.82 To 73.06 %



MAT 7225

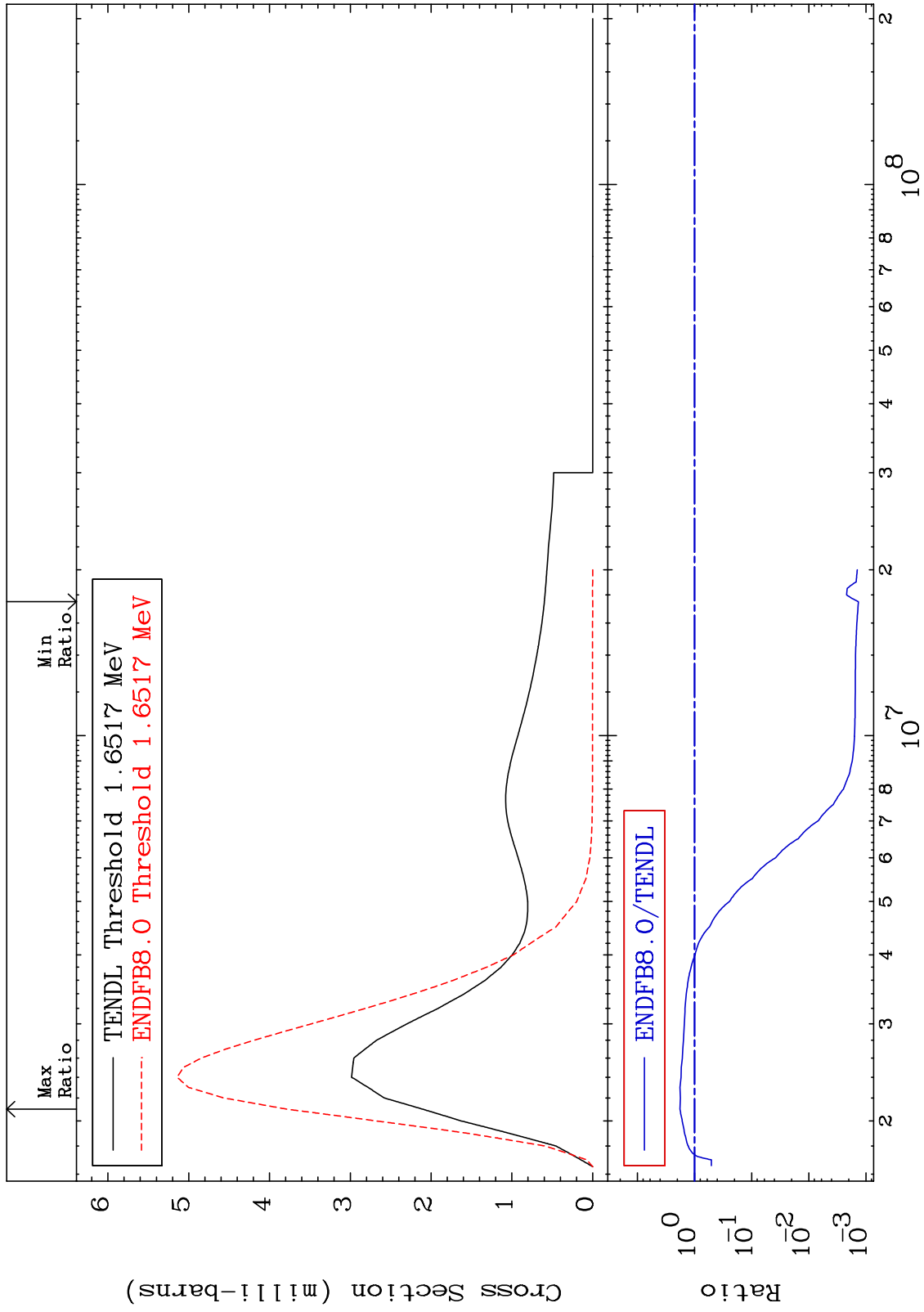
MT= 78 (n,n') Level
Cross Section

72-Hf-174
2.045 To 9999. %



MAT 7225 MT= 79 (n,n') Level
Cross Section

72-Hf-174
-99.86 To 79.92 %



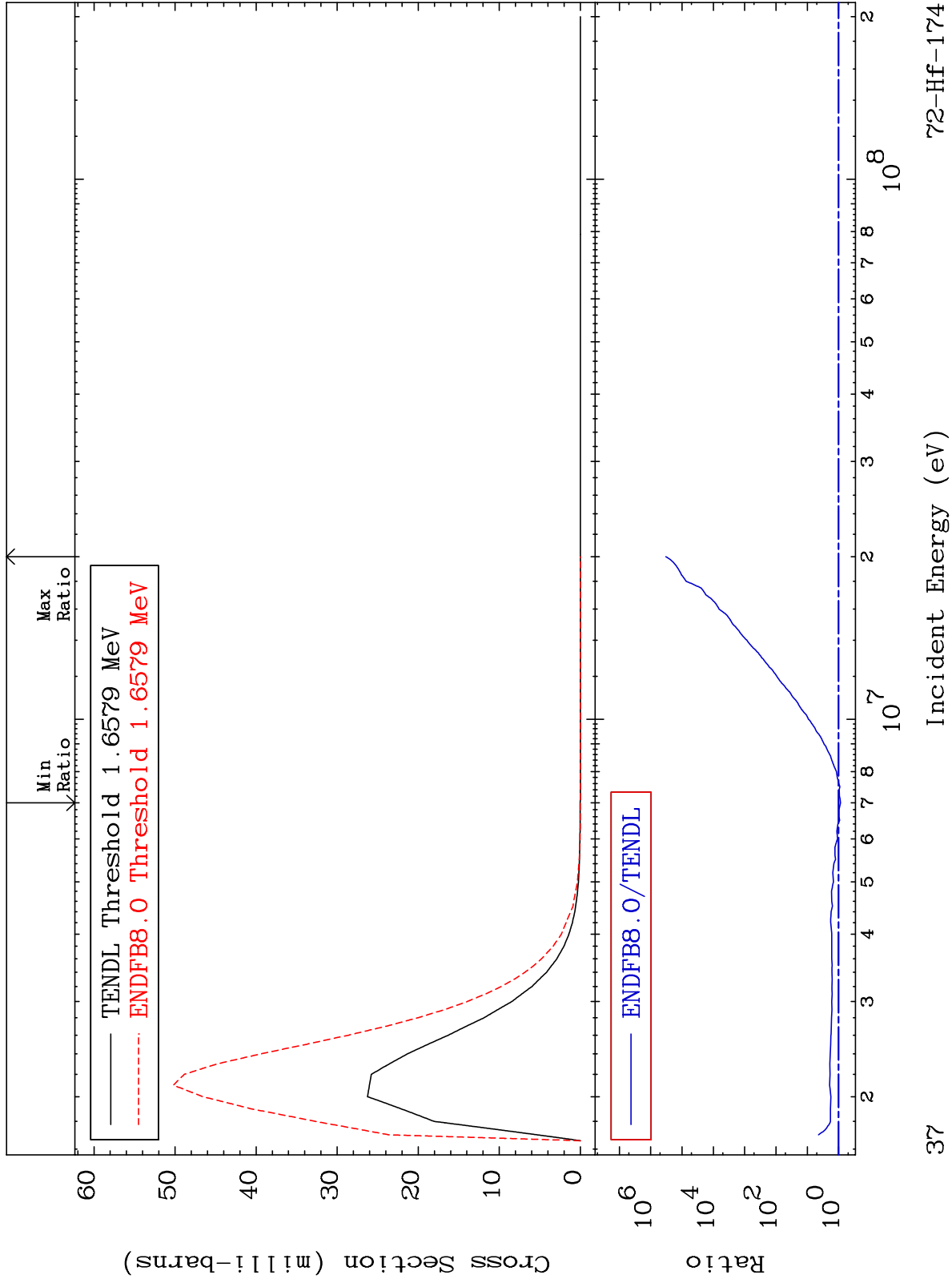
72-Hf-174

Incident Energy (eV)

MAT 7225

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

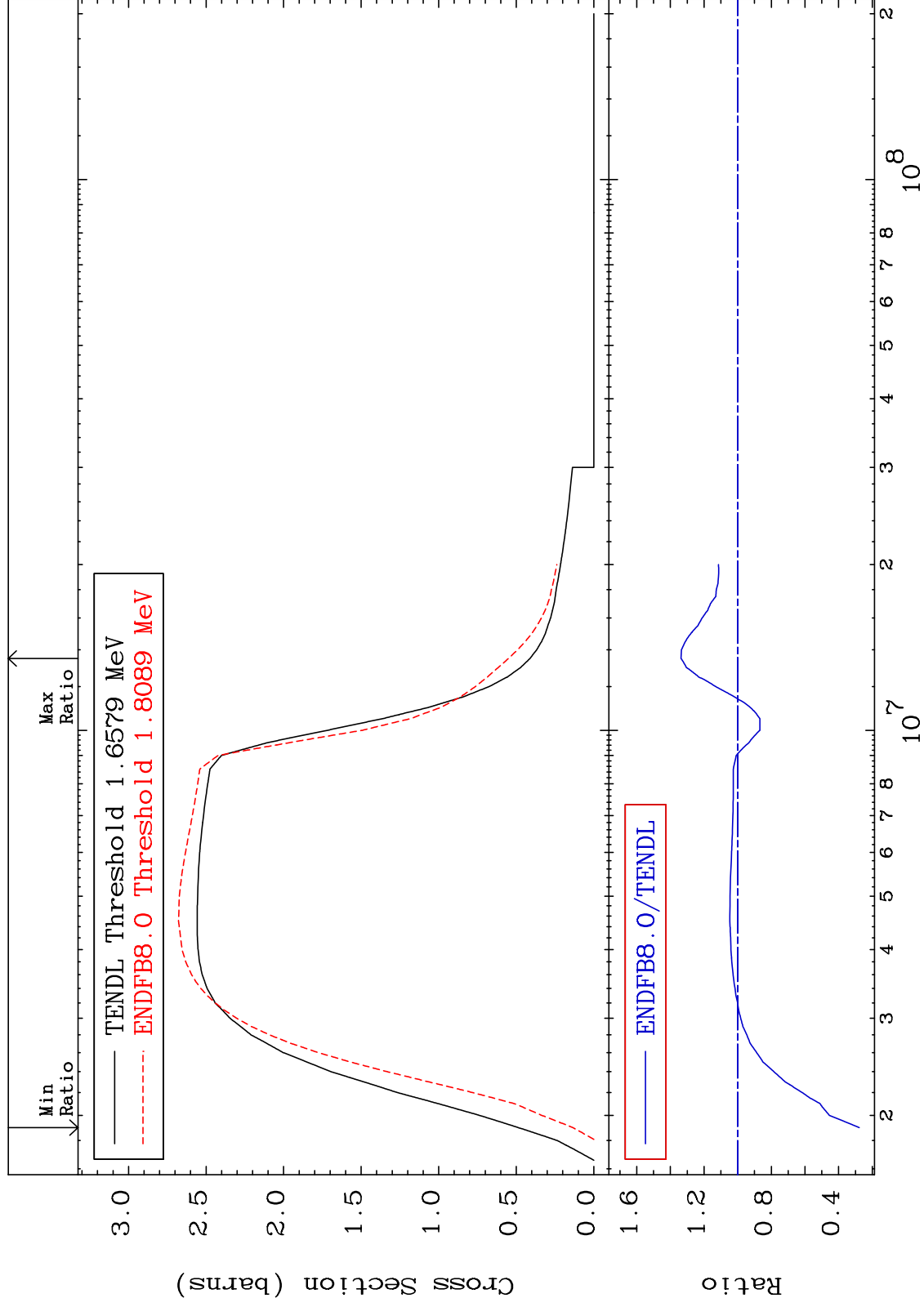
⁷²Hf-174
-12.97 To 9999. %



MAT 7225

(n, n') Continuum
Cross Section

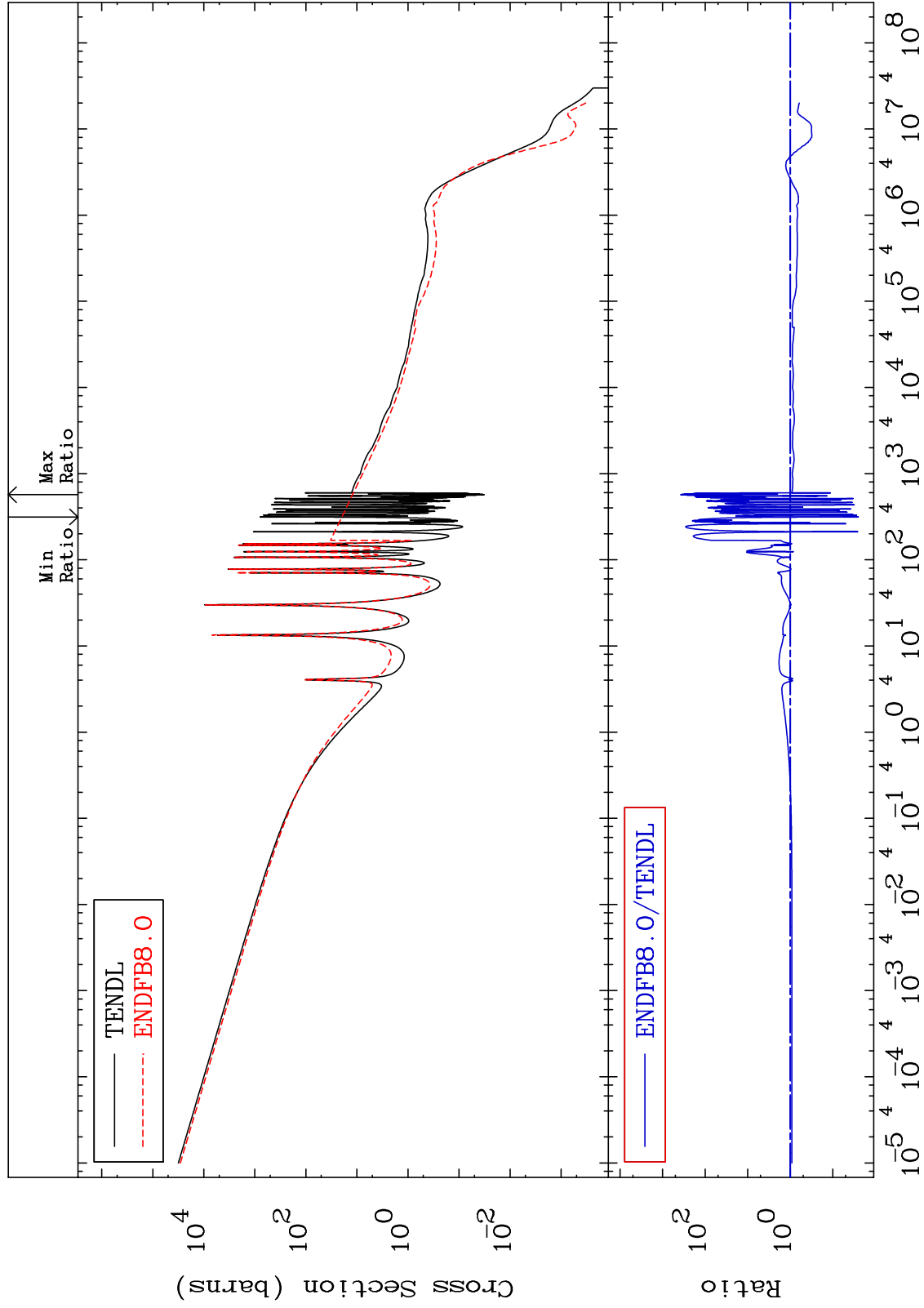
72-Hf-174
-72.27 To 33.67 %



MAT 7225

(n, γ)
Cross Section

72-Hf-174
-97.50 To 9999. %



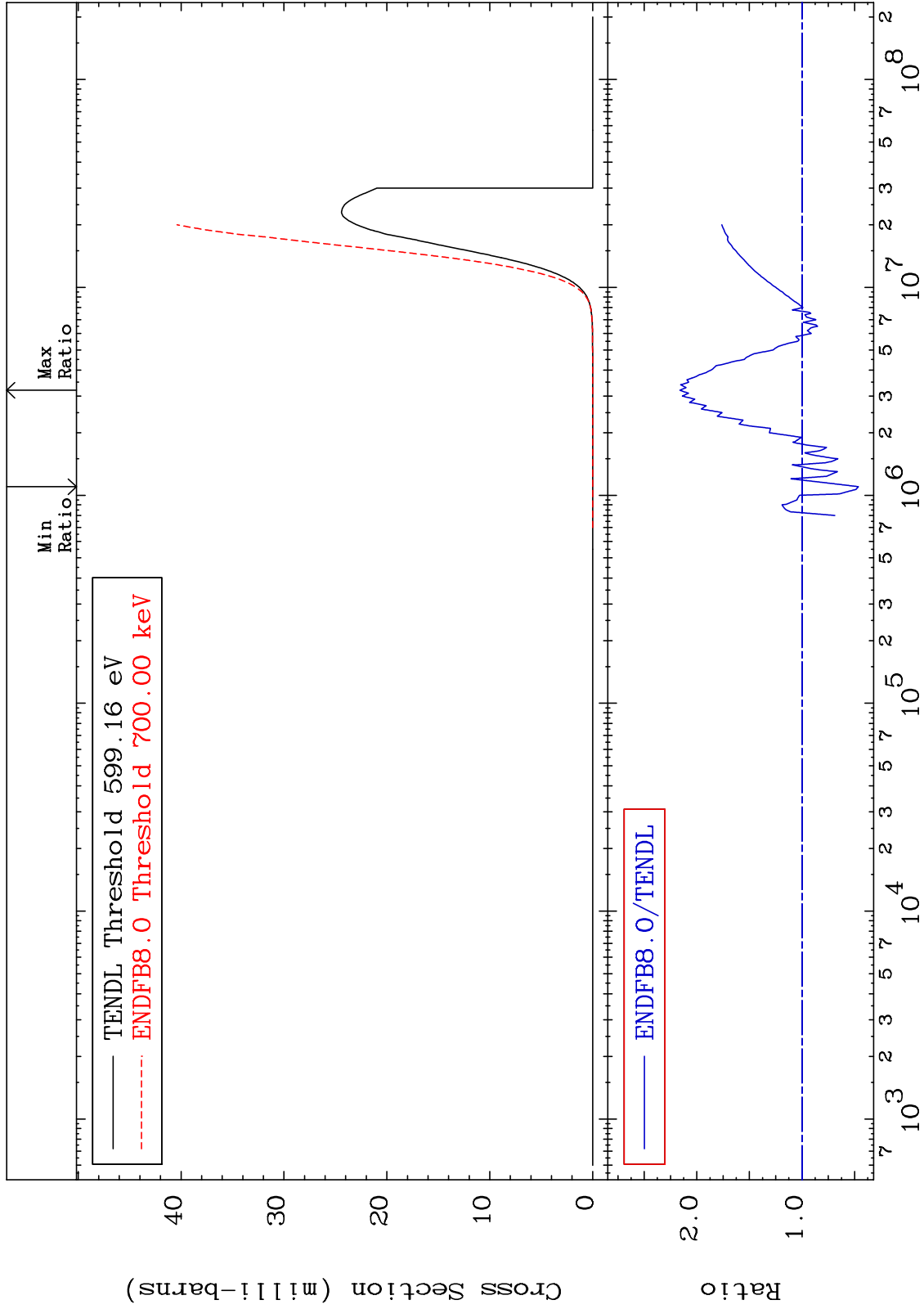
MAT 7225

(n, p)

72-Hf-174

Cross Section

-53.61 To 116.0 %



40

Incident Energy (eV)

72-Hf-174

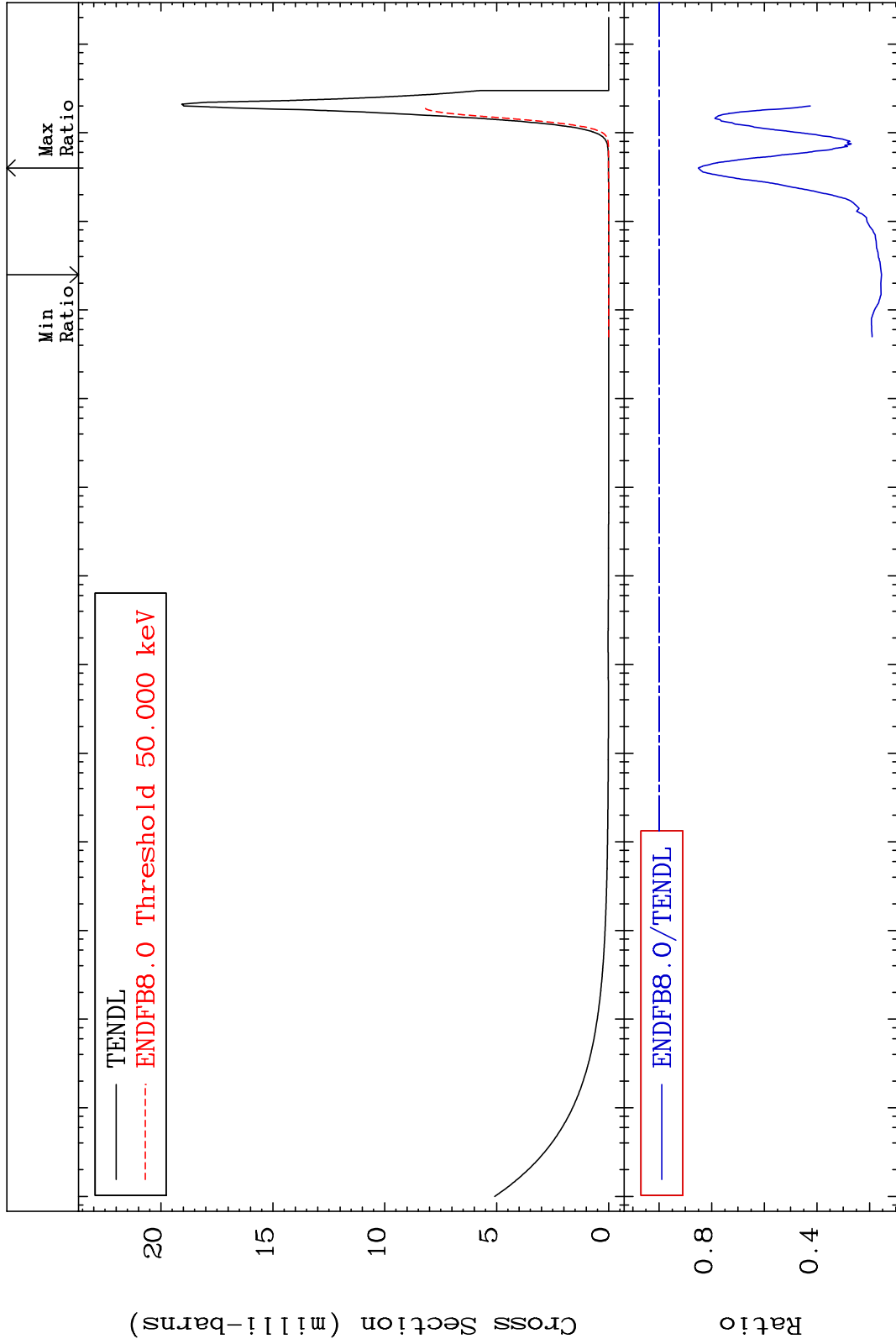
MAT 7225

(n, α)

72-Hf-174

Cross Section

-84.56 To -14.93%



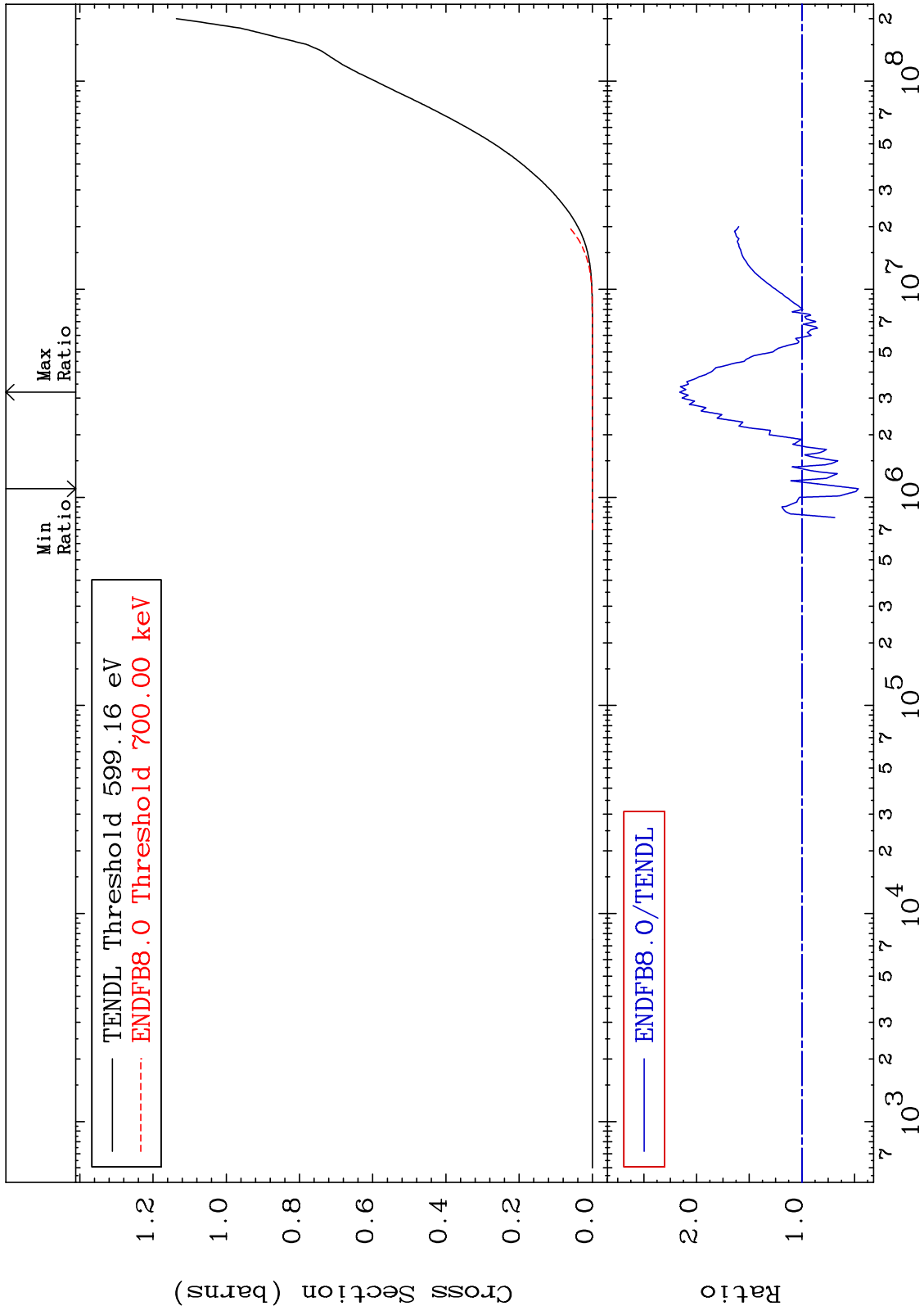
Incident Energy (eV)

72-Hf-174

MAT 7225

Hydrogen Production Cross Section

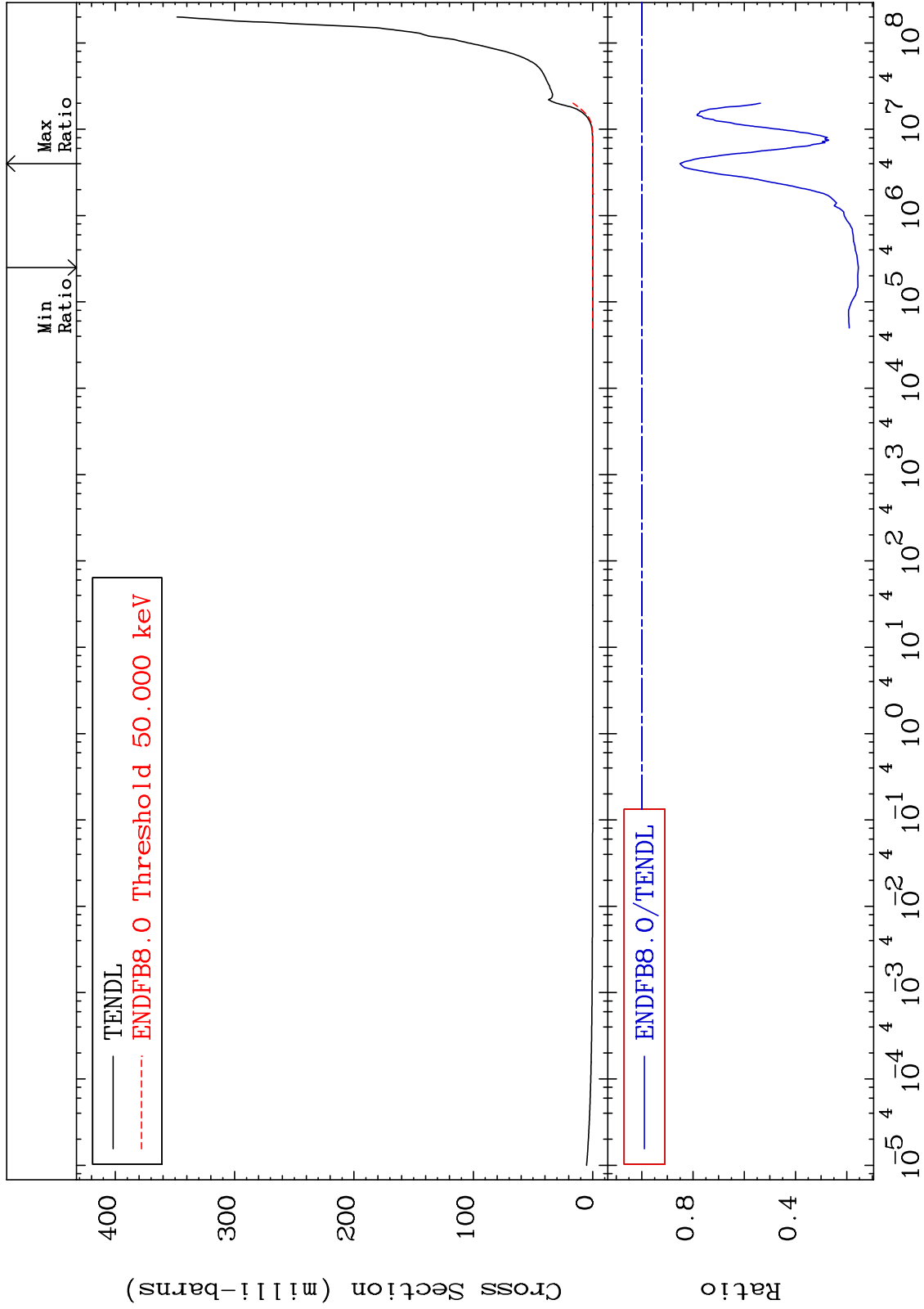
72-Hf-174
-53.61 To 116.0 %



MAT 7225

He-4 Production
Cross Section

72-Hf-174
-84.56 To -14.93%



43

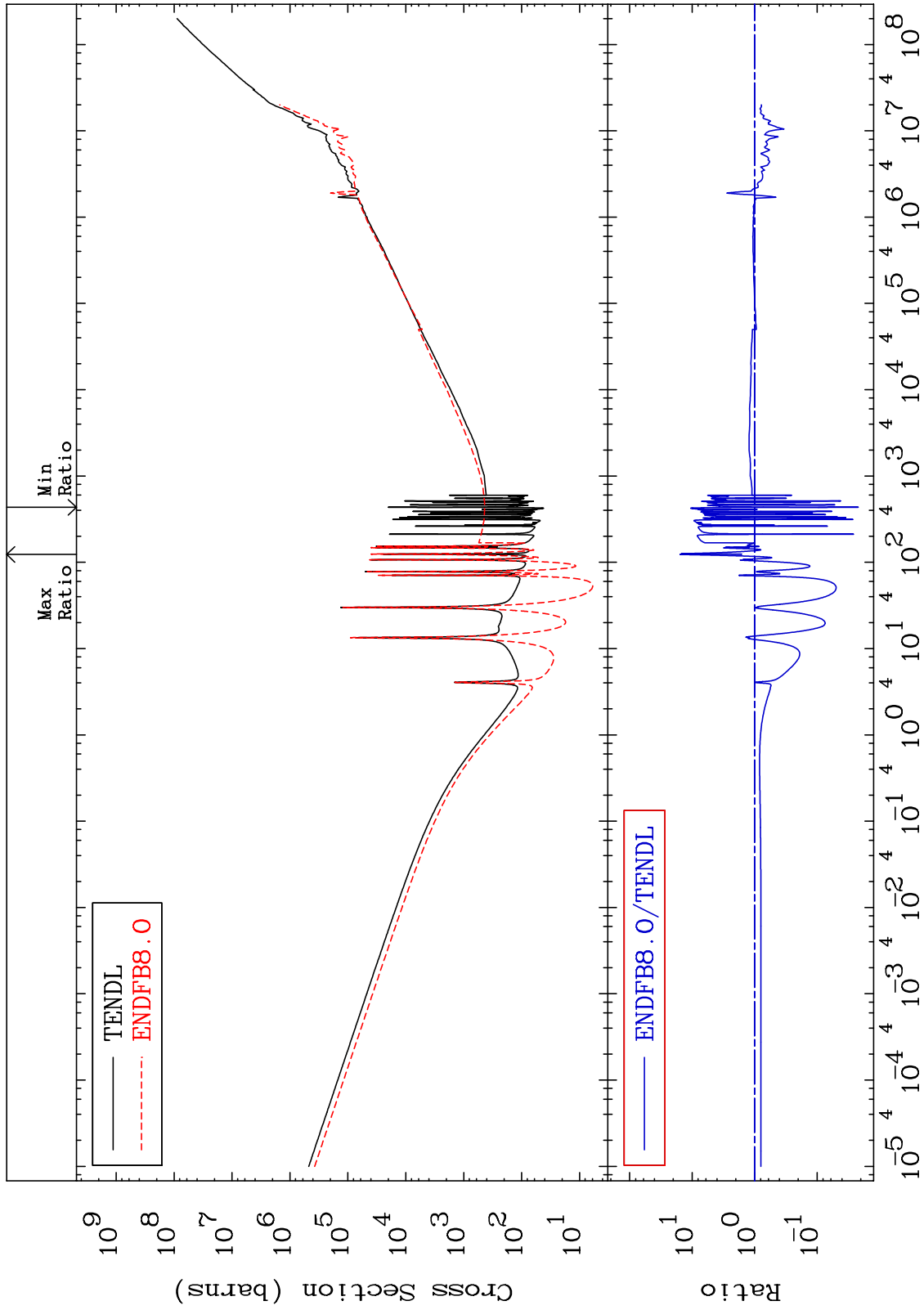
Incident Energy (eV)

72-Hf-174

MAT 7225

Kerma total (eV-barns)
Cross Section

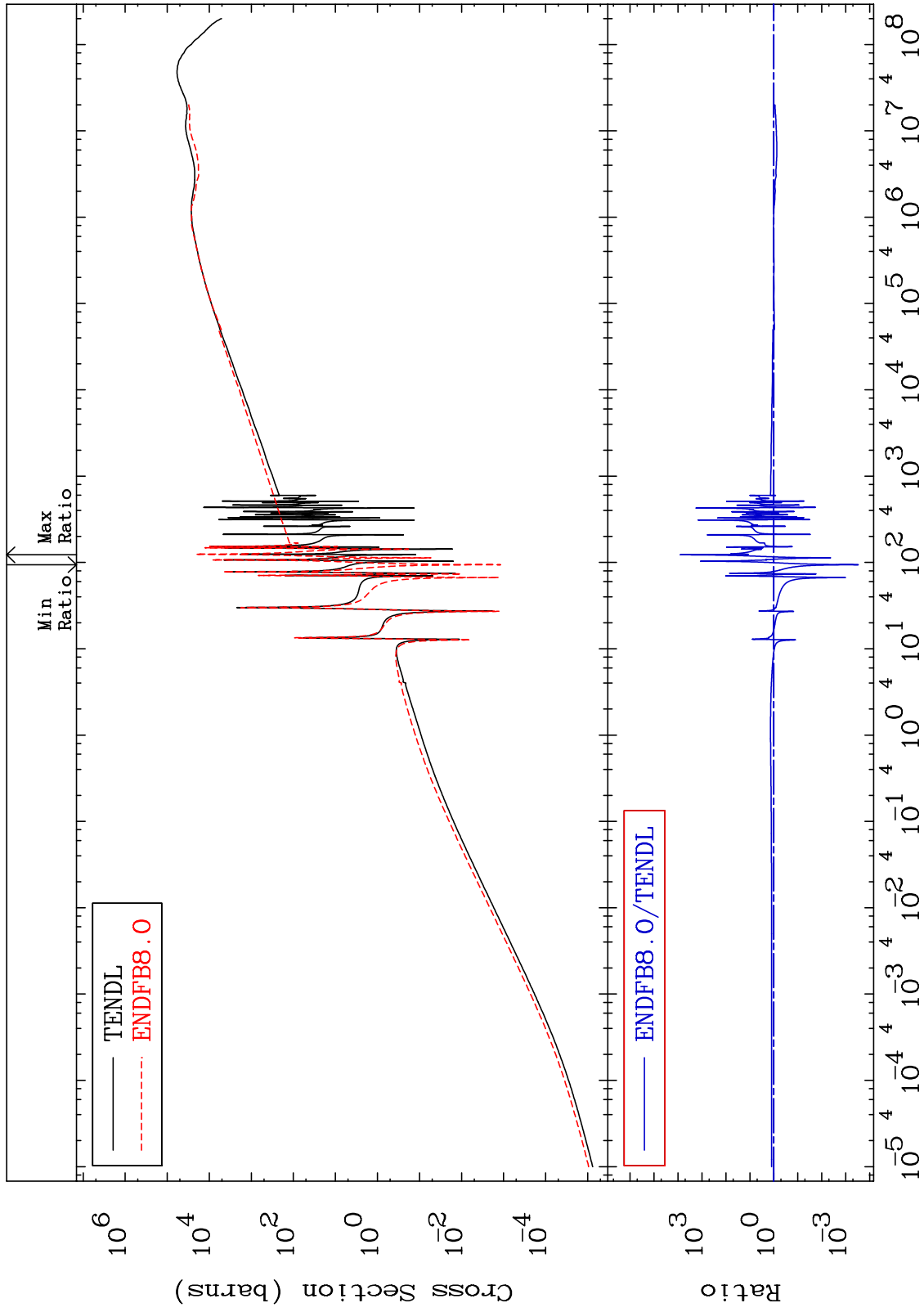
72-Hf-174
-97.82 To 1459. %



MAT 7225

Kerma elastic
Cross Section

72-Hf-174
-99.97 To 9999. %



45

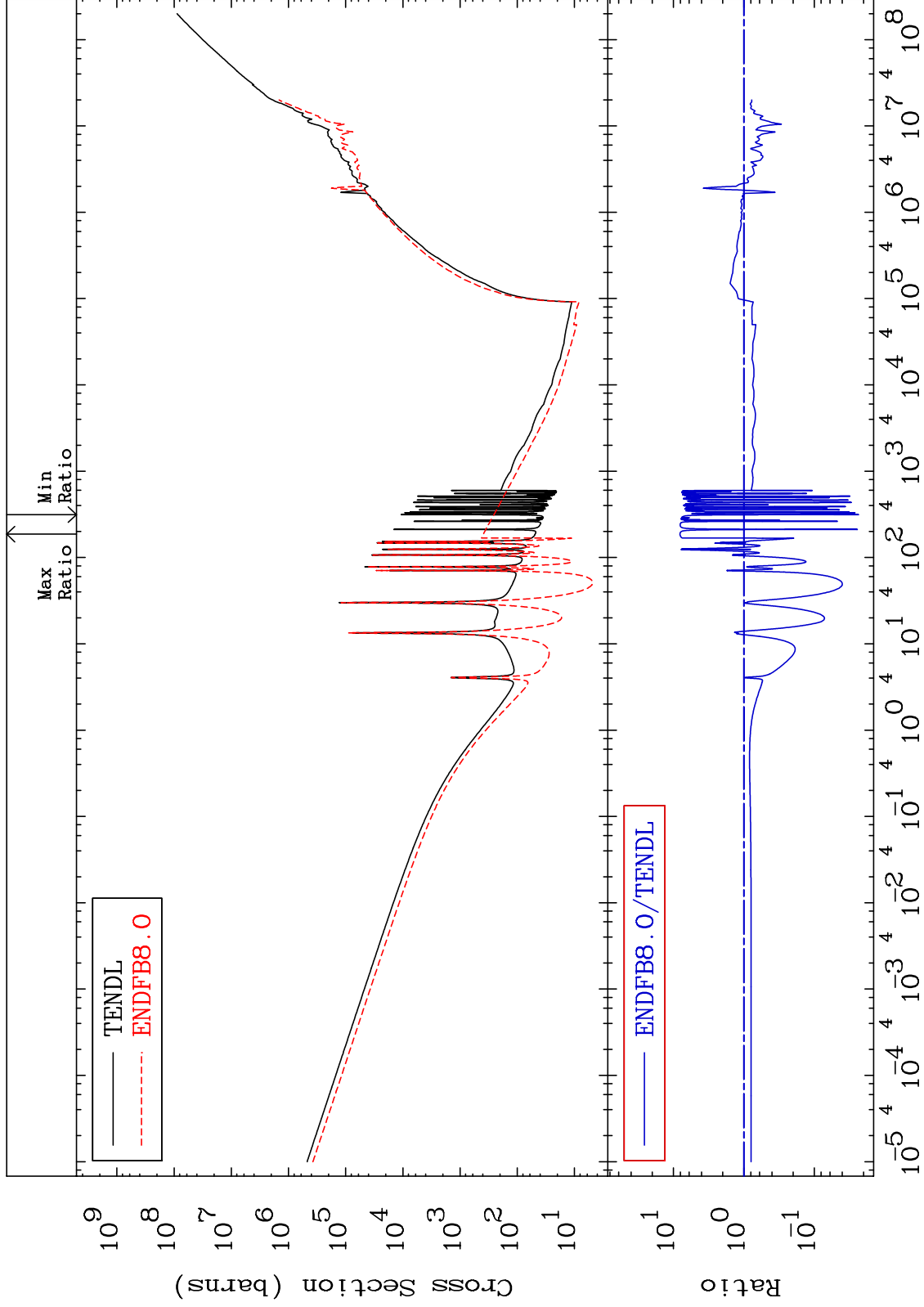
Incident Energy (eV)

72-Hf-174

MAT 7225

Kerma non-elastic (all but mt2)
Cross Section

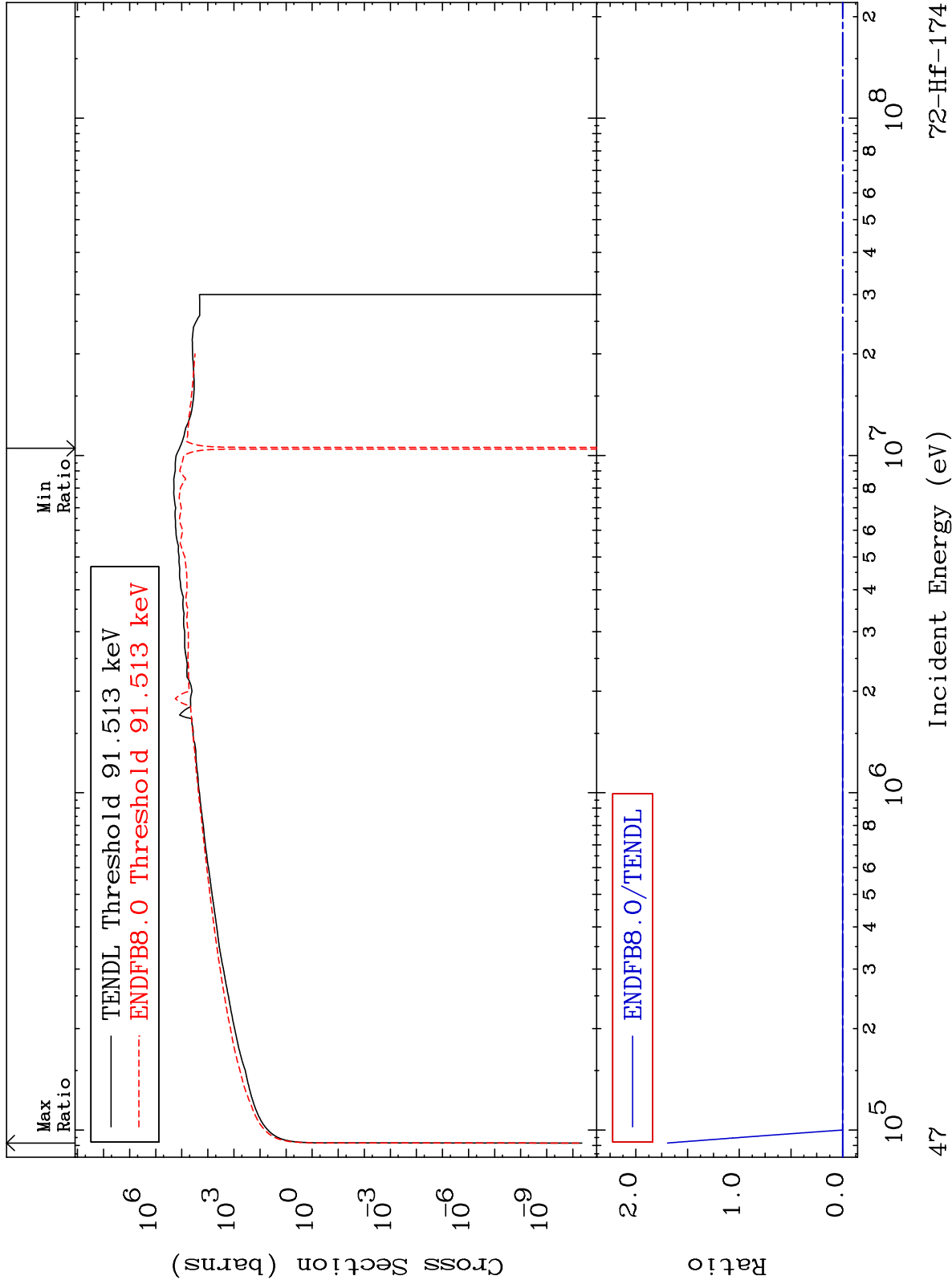
72-Hf-174
-97.64 To 708.1 %



MAT 7225

Kerma inelastic (mt51-91)
Cross Section

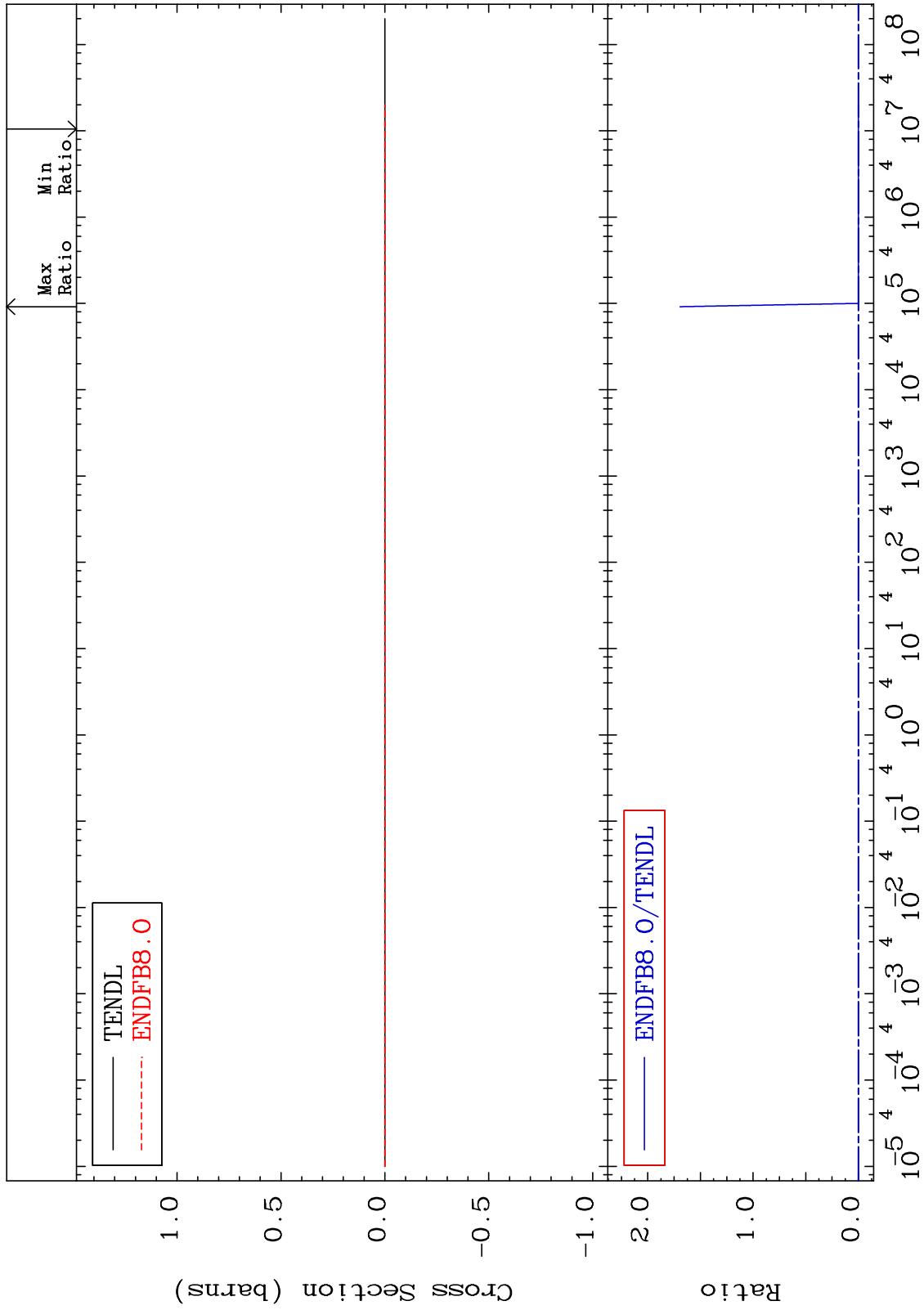
72-Hf-174
-108.1 To 9999. %



MAT 7225

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

72-Hf-174
-108.1 To 9999. %



48

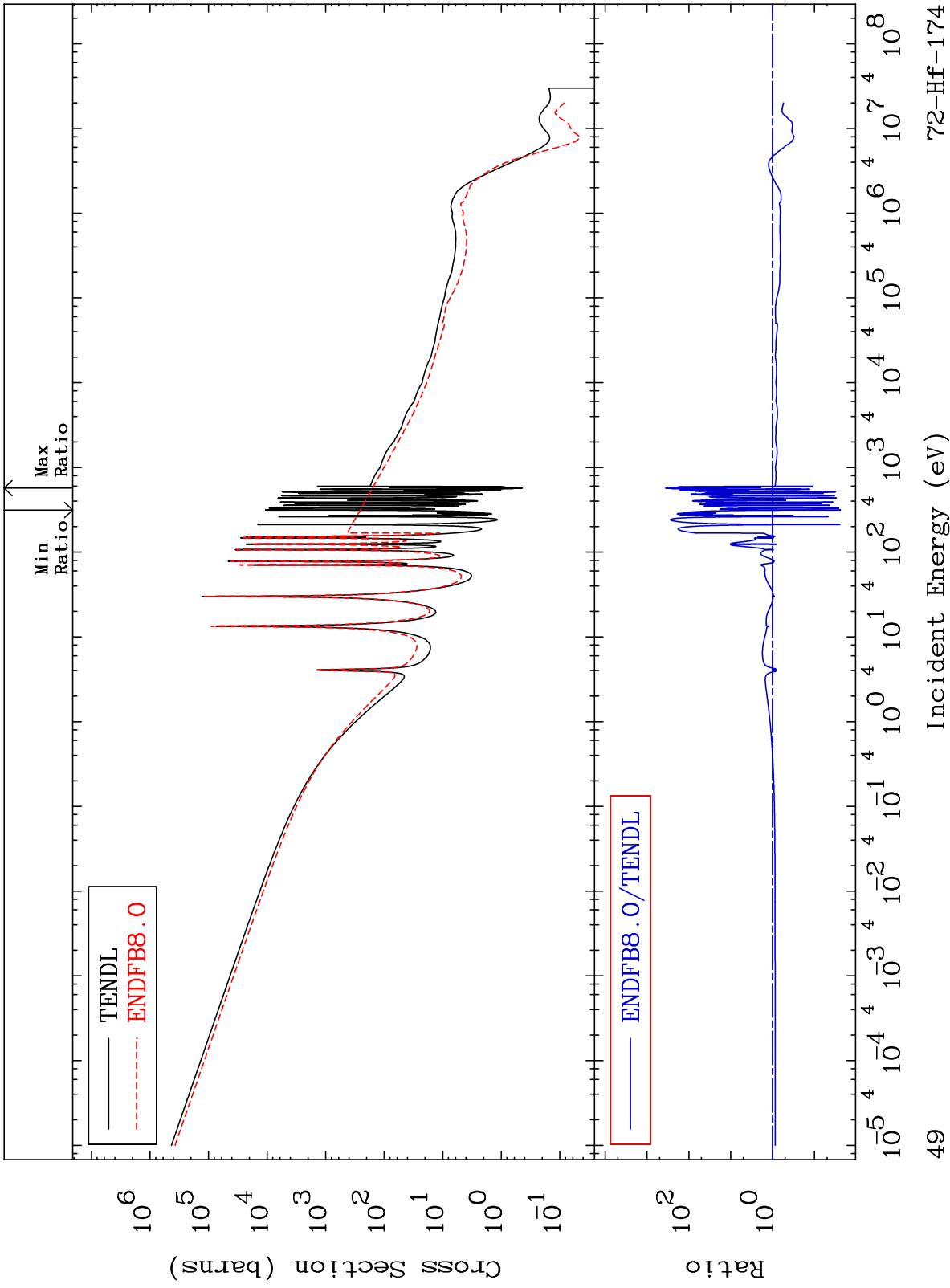
Incident Energy (eV)

72-Hf-174

MAT 7225

Kerma capture (mt102)
Cross Section

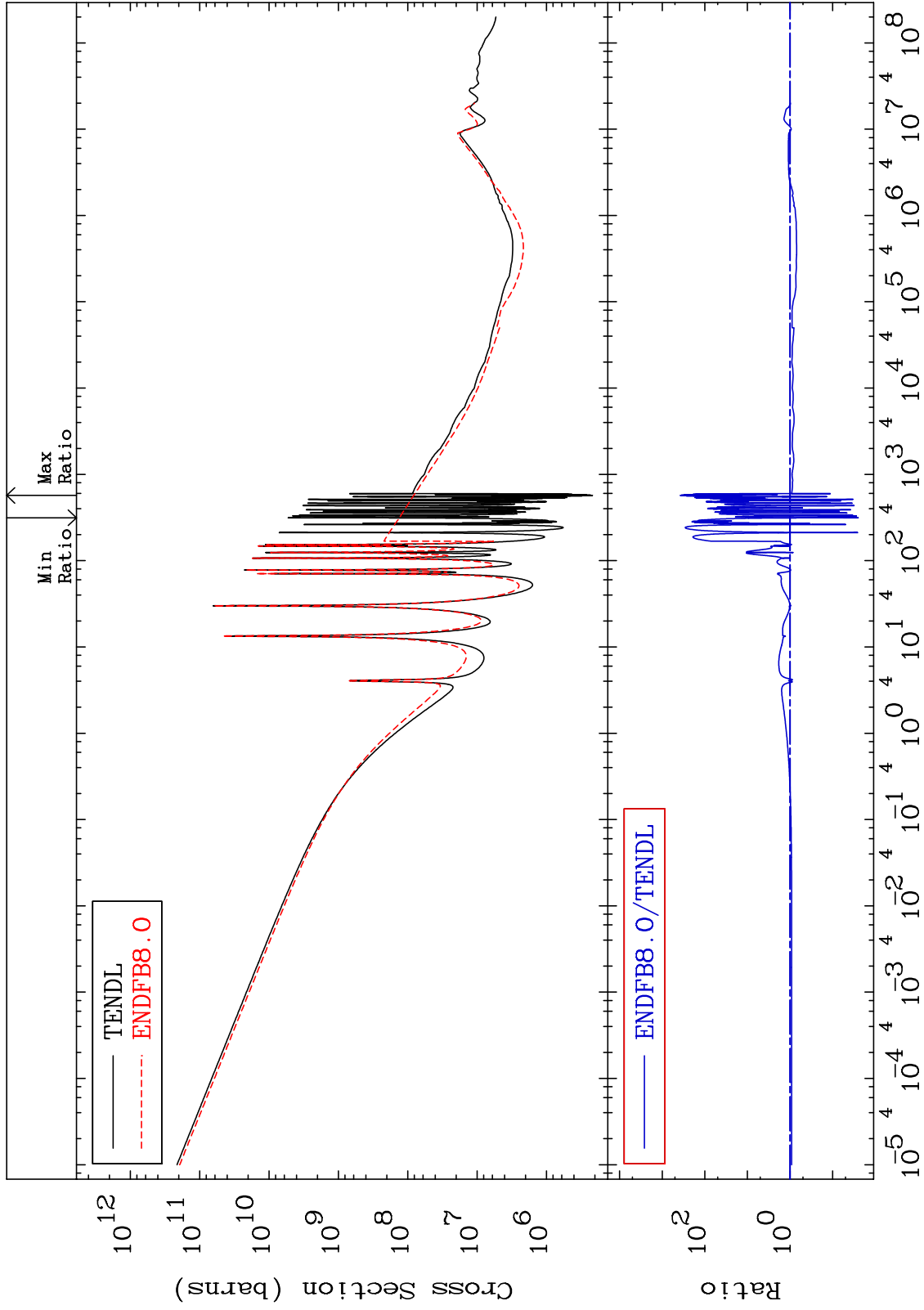
72-Hf-174
-97.63 To 9999. %



MAT 7225

Total photon (eV-barns)
Cross Section

72-Hf-174
-97.50 To 9999. %



50

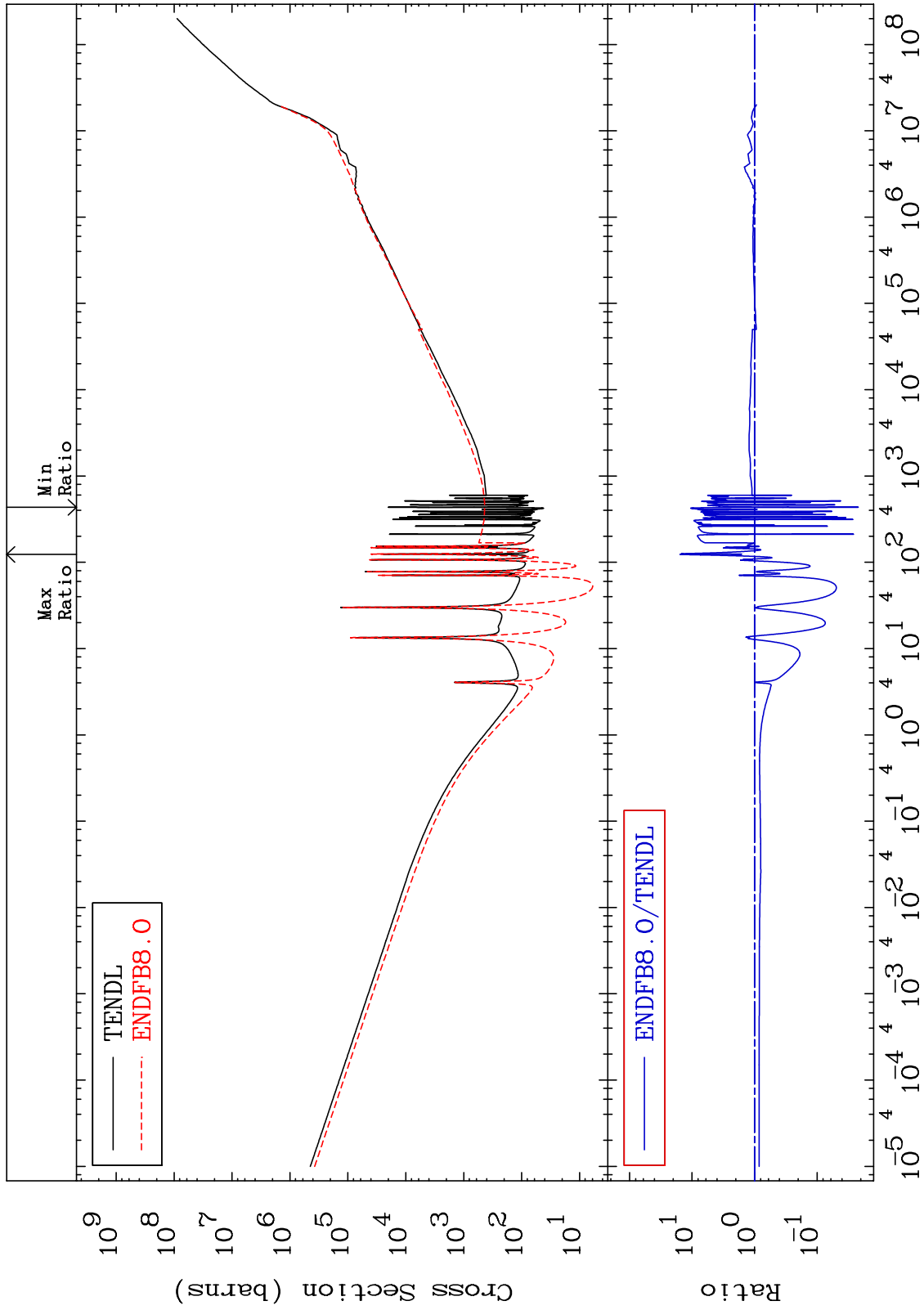
Incident Energy (eV)

72-Hf-174

MAT 7225

Total kinematic kerma (high limit)
Cross Section

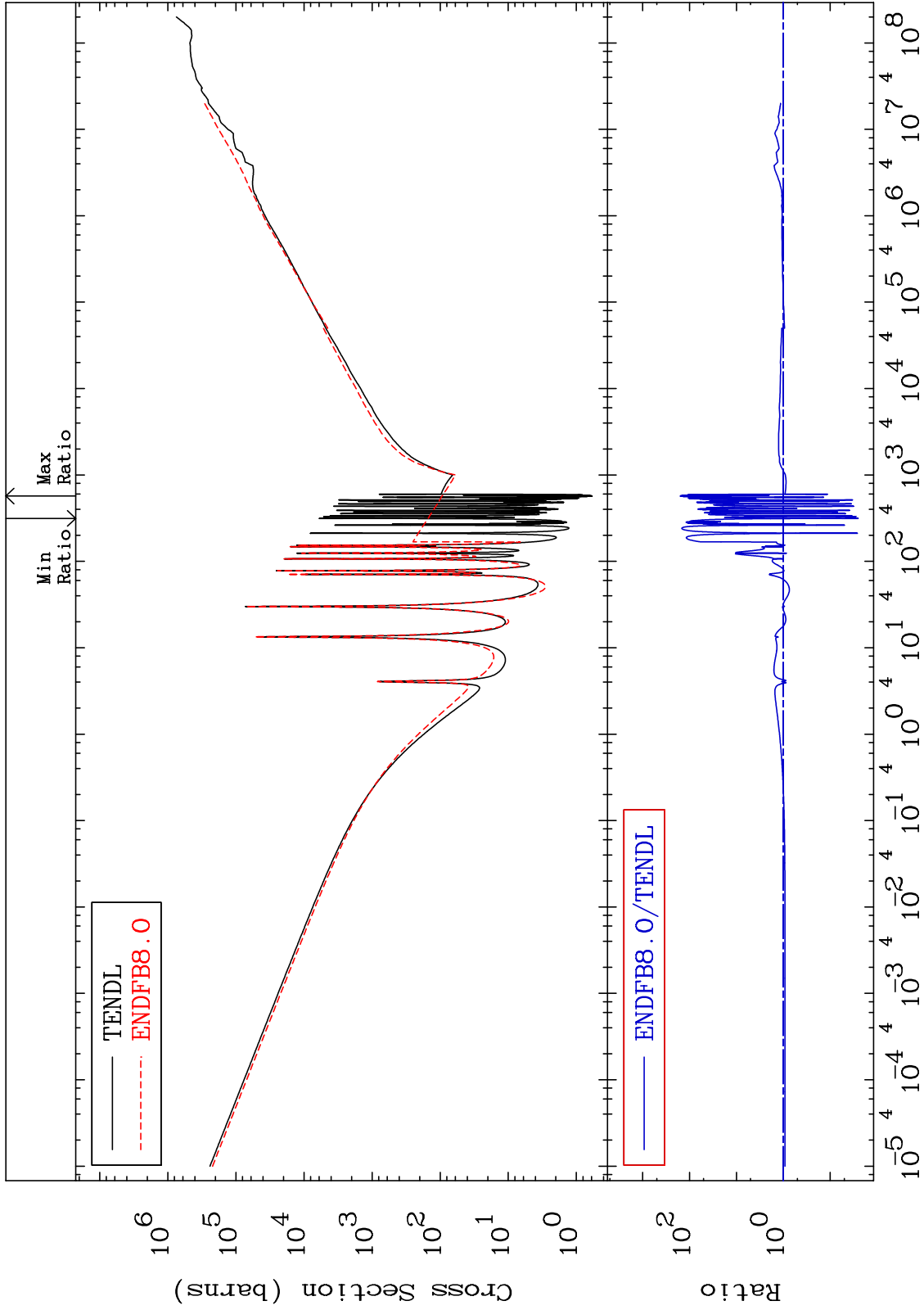
72-Hf-174
-97.82 To 1458. %



MAT 7225

Dpa total (eV-barns)
Cross Section

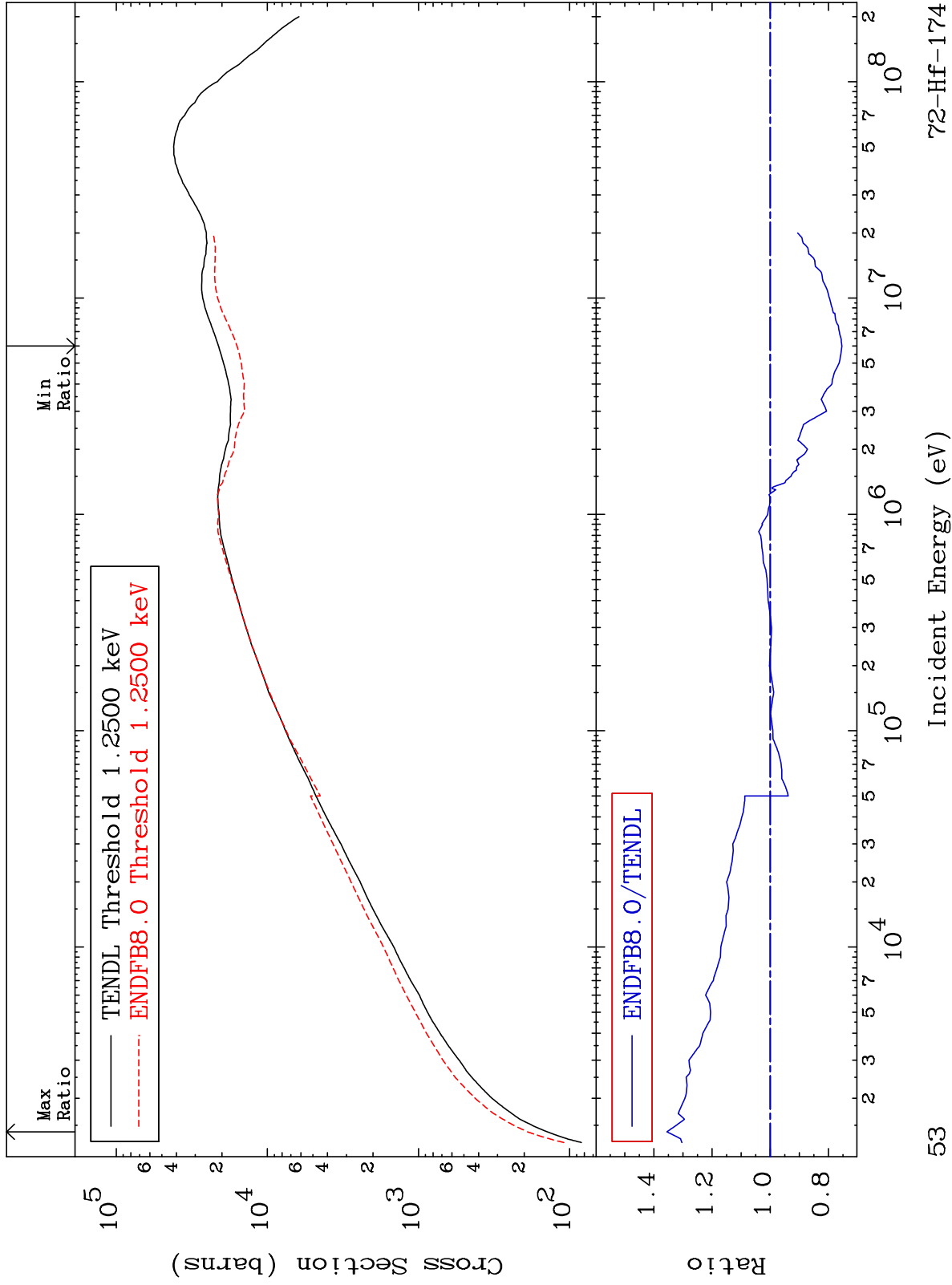
72-Hf-174
-97.49 To 9999. %



MAT 7225

Dpa elastic (mt2)
Cross Section

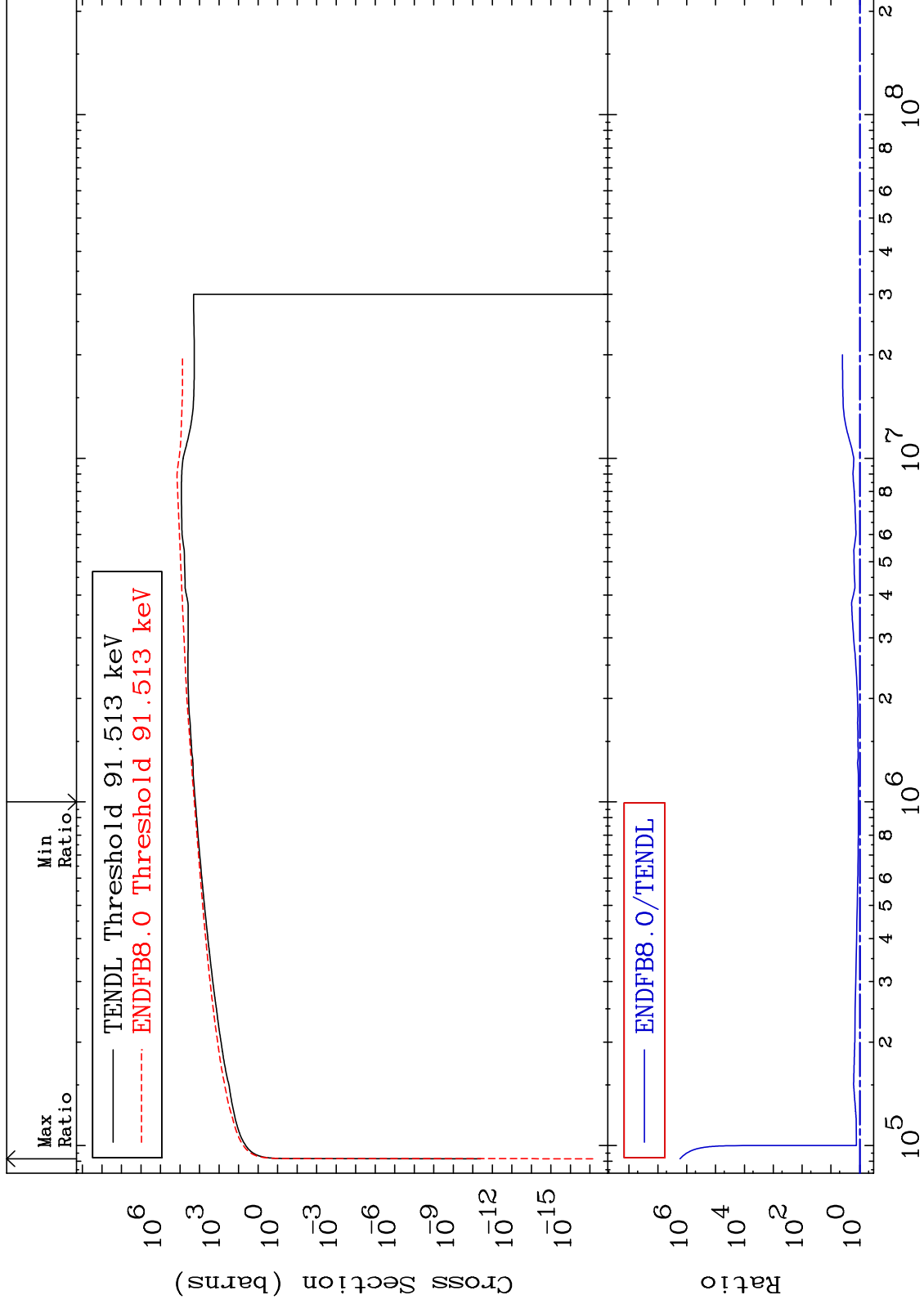
72-Hf-174
-24.67 To 35.51 %



MAT 7225

Dpa inelastic (mt51-91)
Cross Section

72-Hf-174
12.03 To 9999. %



54

Incident Energy (eV)

72-Hf-174

MAT 7225

Dpa disappearance (mt102 -120)
Cross Section

72-Hf-174
-97.49 To 9999. %

