

Program Complot
(Version 2018-1)

by

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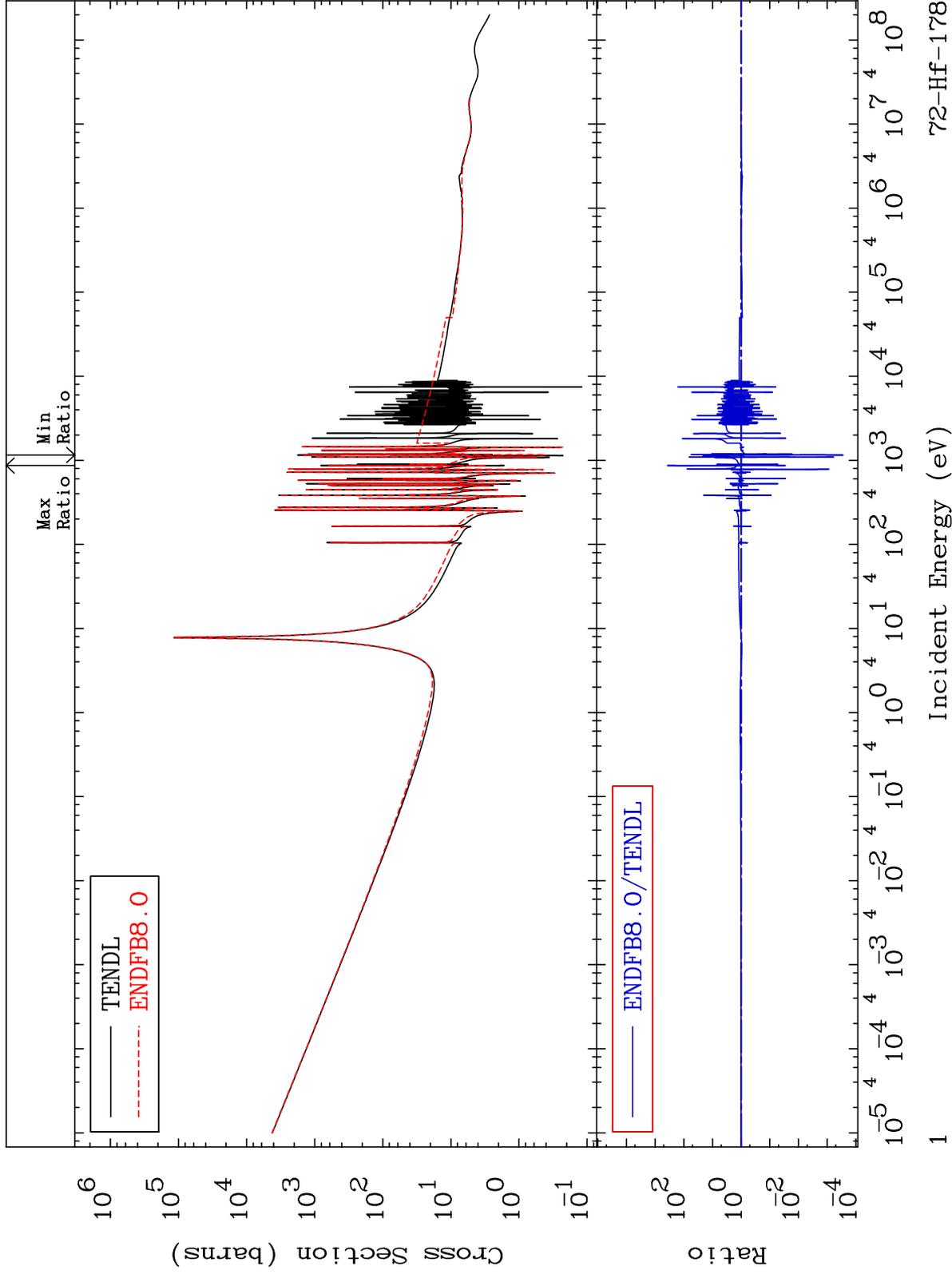
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7237

Total
Cross Section

72-Hf-178
-99.97 To 9999. %



72-Hf-178

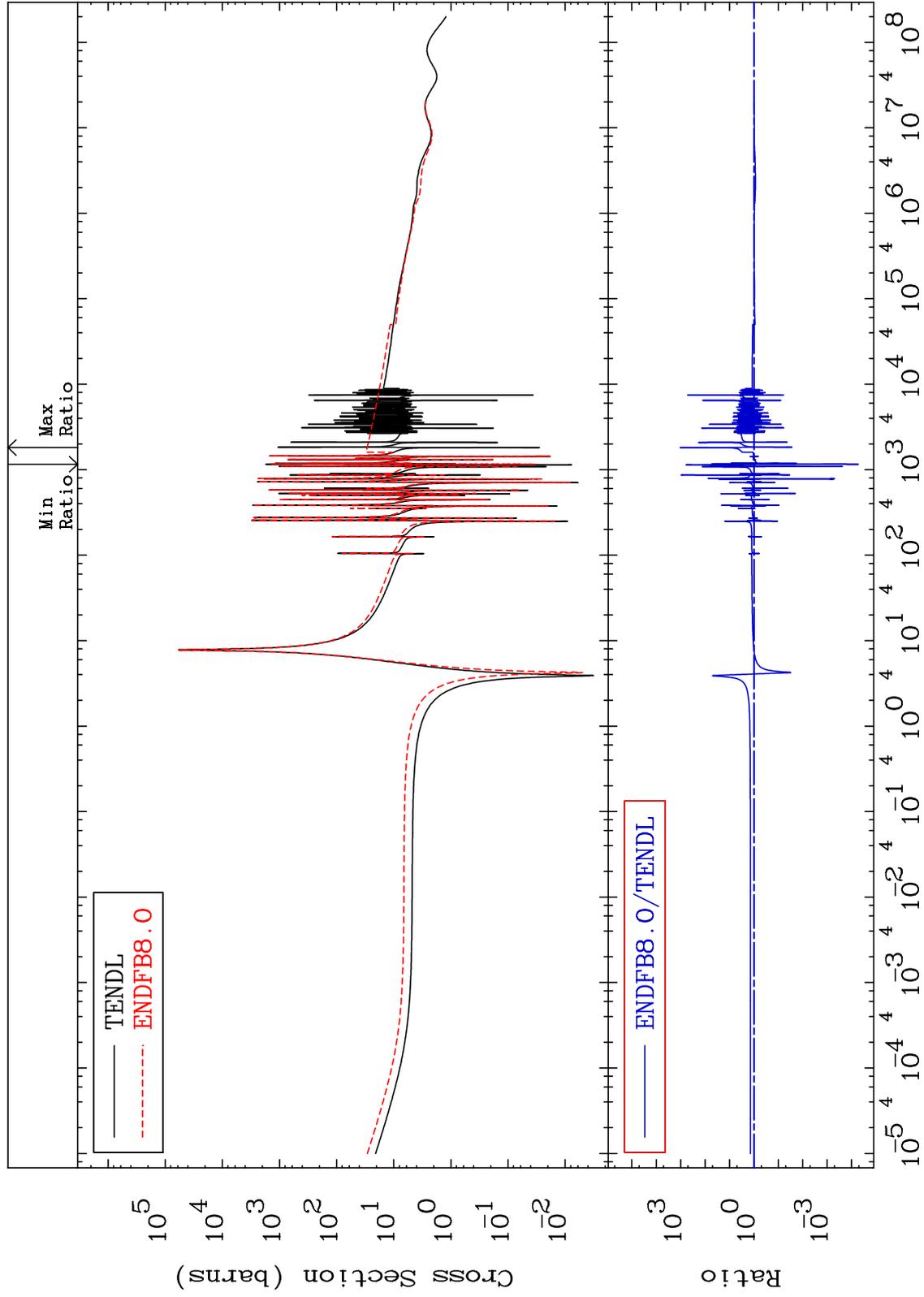
Incident Energy (eV)

1

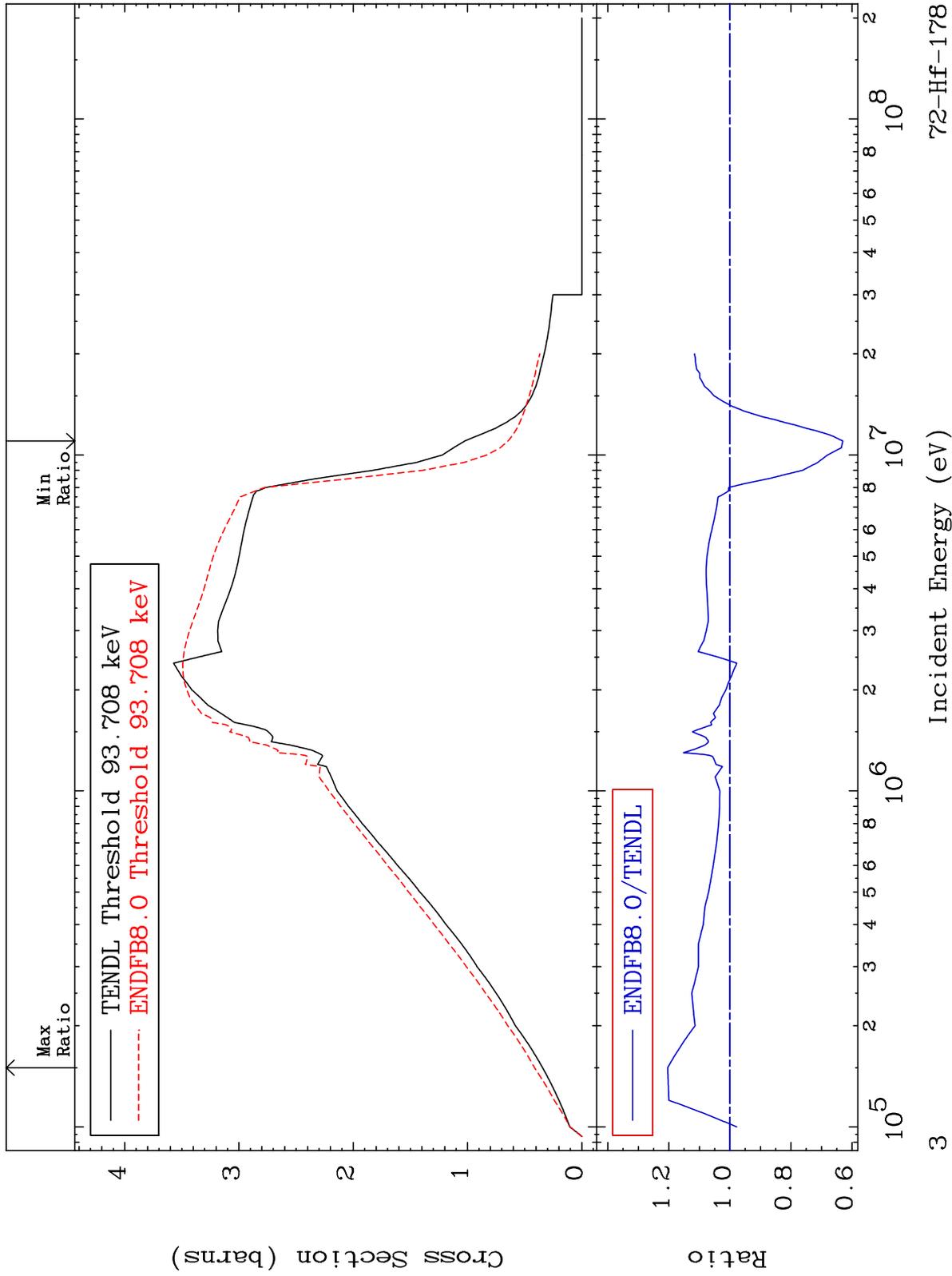
MAT 7237

Elastic
Cross Section

72-Hf-178
-99.99 To 9999. %



MAT 7237 Inelastic Cross Section 72-Hf-178 -36.99 To 20.41 %



72-Hf-178

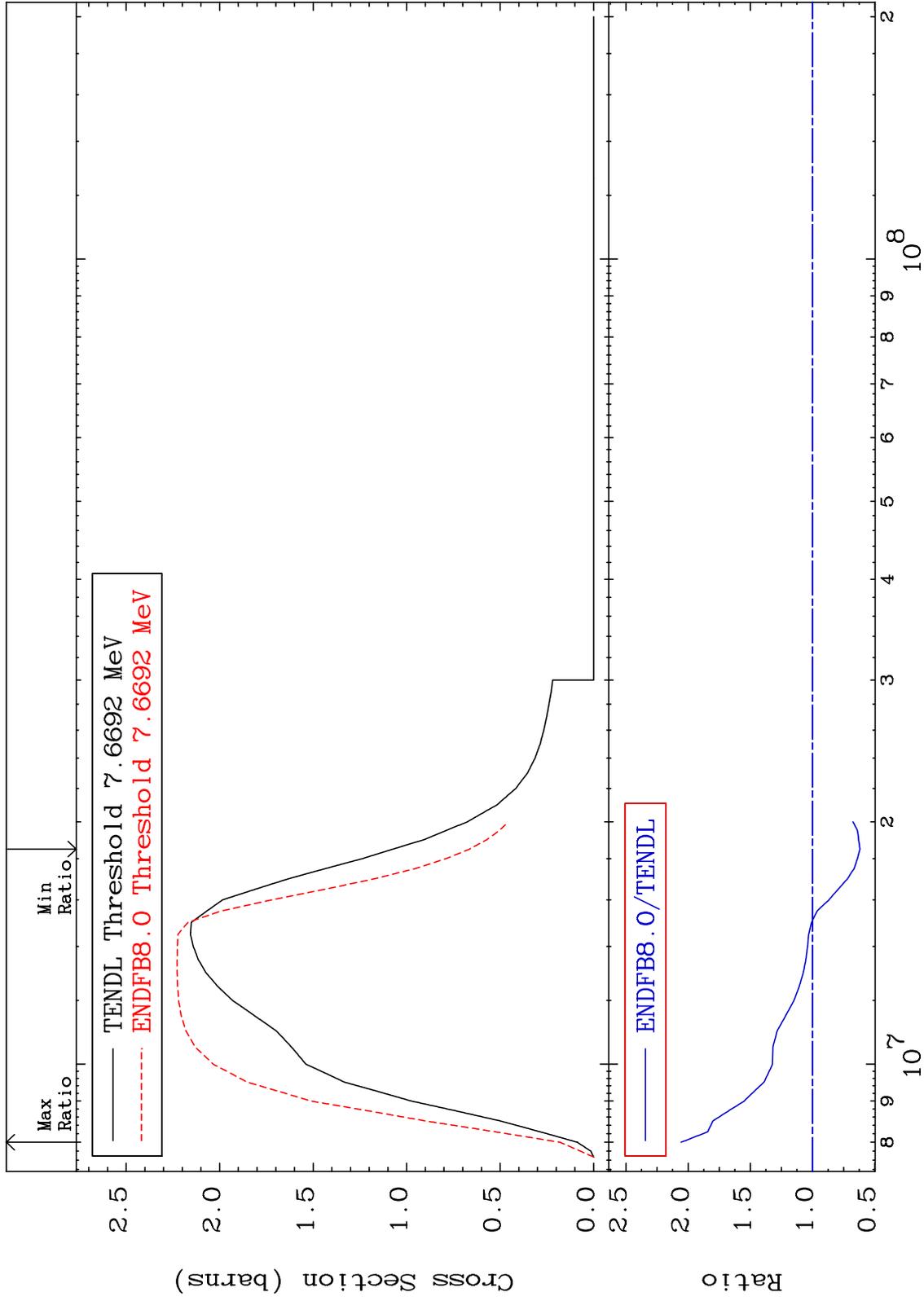
MAT 7237

(n,2n)

72-Hf-178

Cross Section

-38.10 To 105.7 %



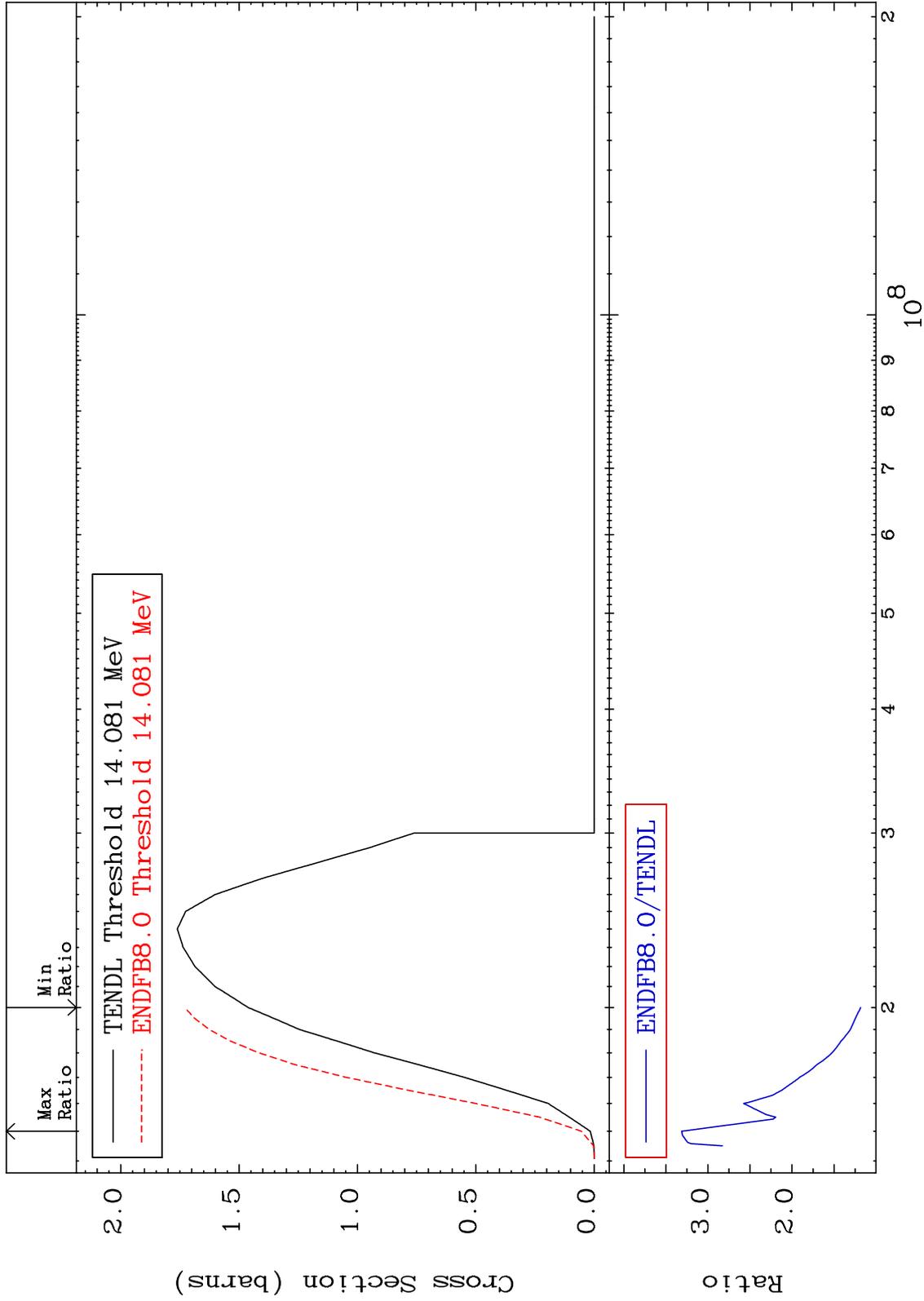
MAT 7237

(n, 3n)

⁷²Hf-178

Cross Section

18.34 To 231.2 %



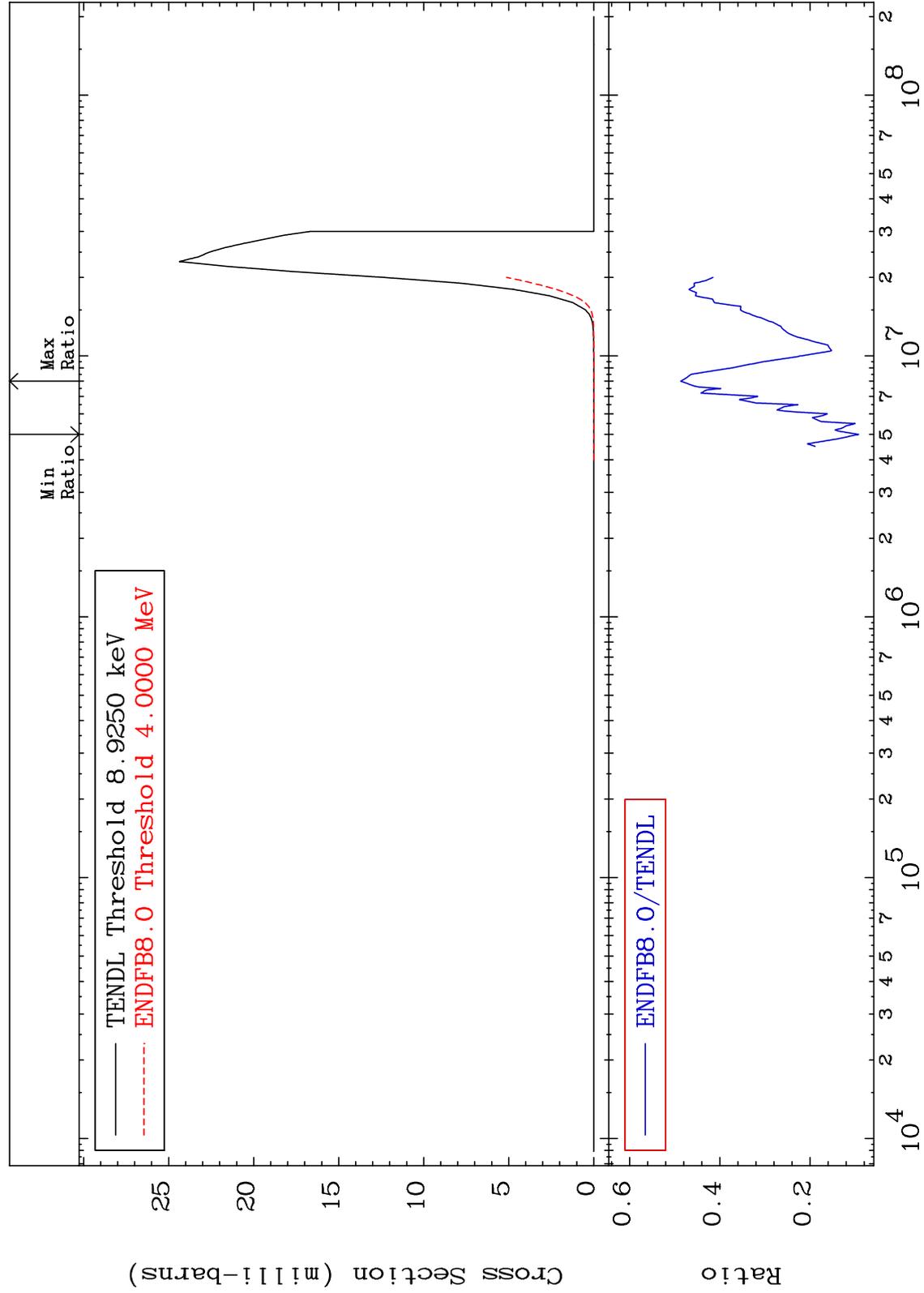
MAT 7237

(n, n') α

72-Hf-178

Cross Section

-90.74 To -51.35%



6

Incident Energy (eV)

72-Hf-178

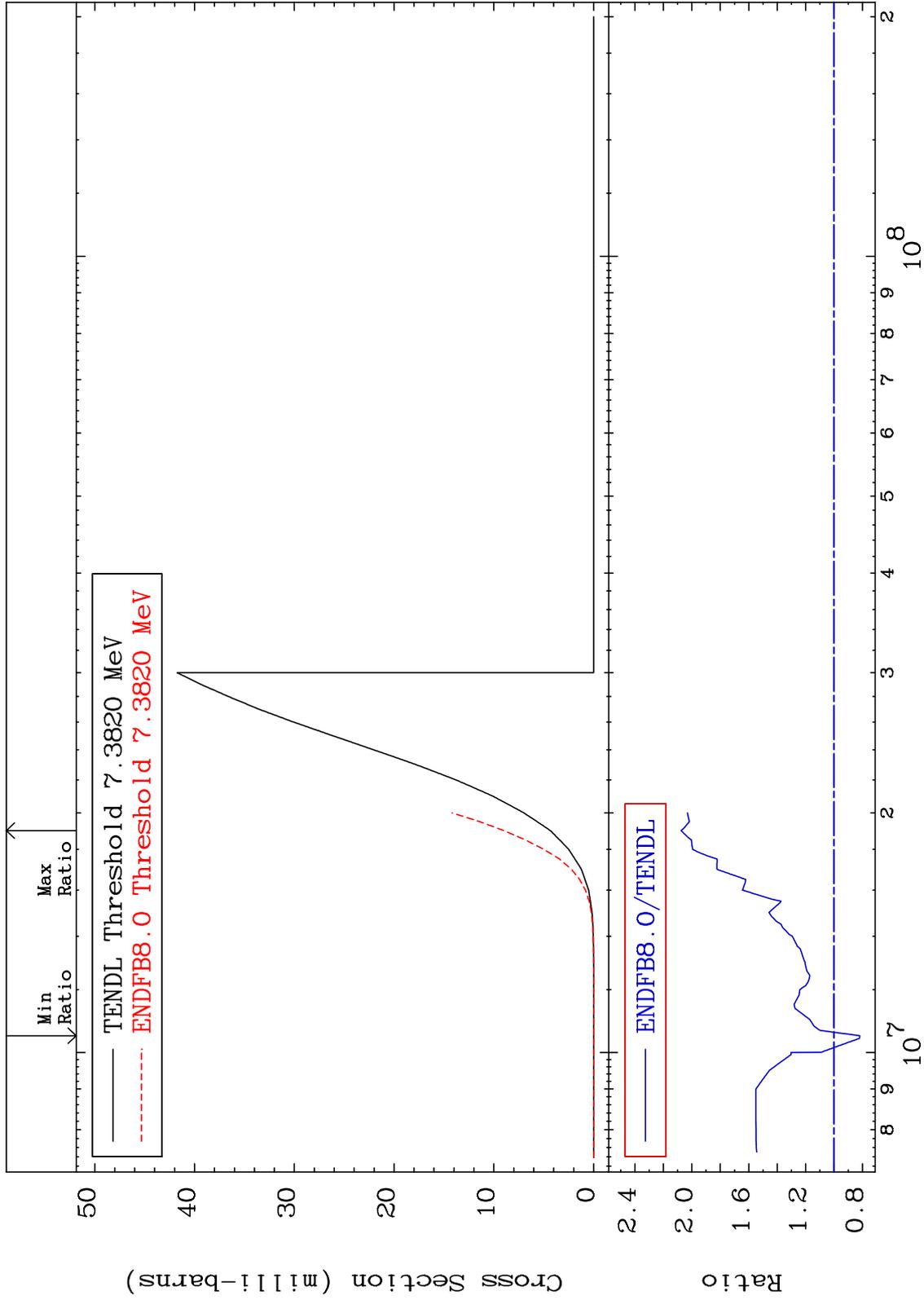
MAT 7237

(n,n') p

72-Hf-178

Cross Section

-18.14 To 107.5 %



7

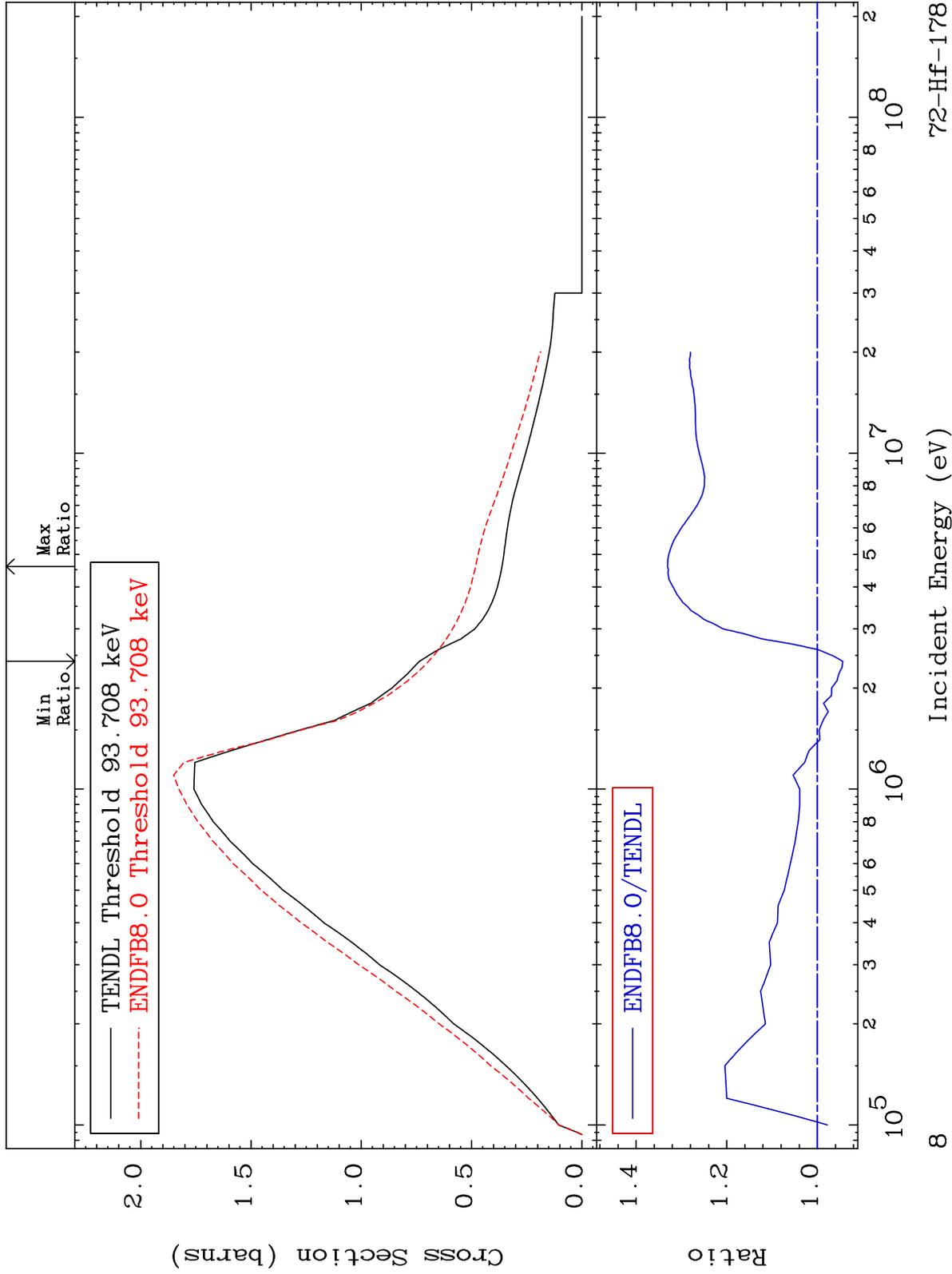
Incident Energy (eV)

72-Hf-178

MAT 7237

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

72-Hf-178
-5.627 To 33.05 %

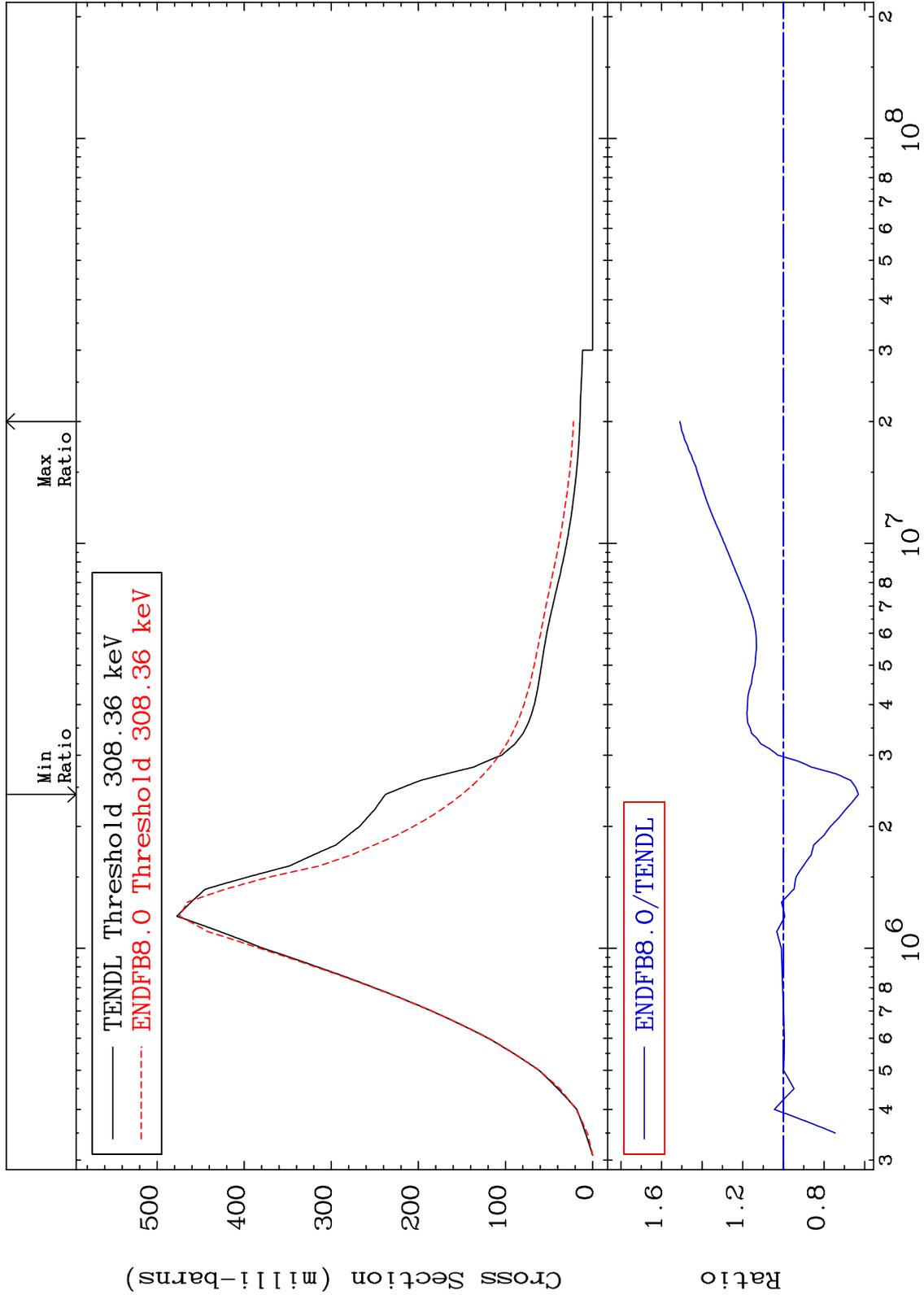


72-Hf-178

MAT 7237

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

72-Hf-178
-36.92 To 50.96 %



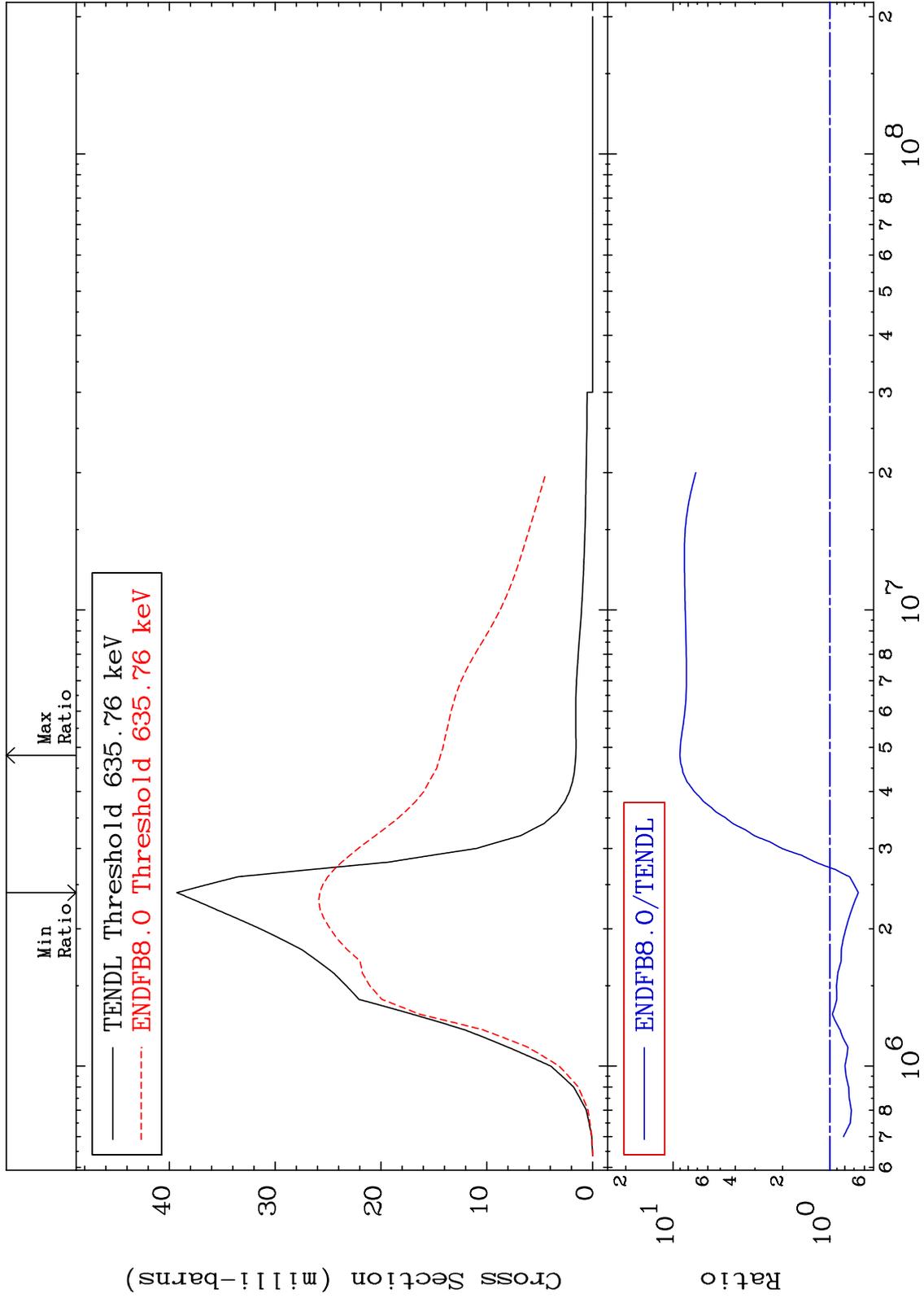
9

72-Hf-178

MAT 7237

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

72-Hf-178
-34.36 To 803.3 %



10

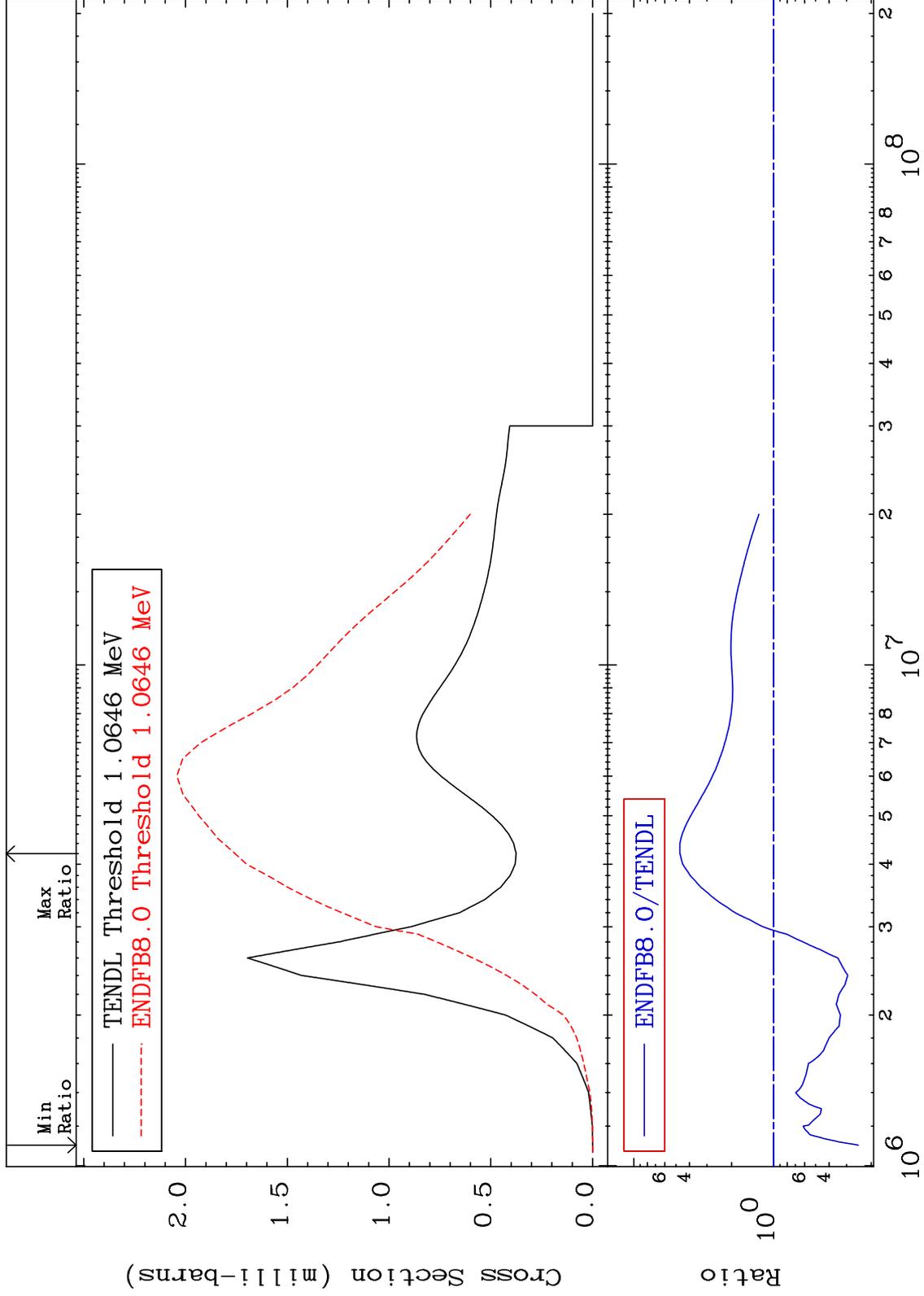
Incident Energy (eV)

72-Hf-178

MAT 7237

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

72-Hf-178
-75.27 To 367.8 %



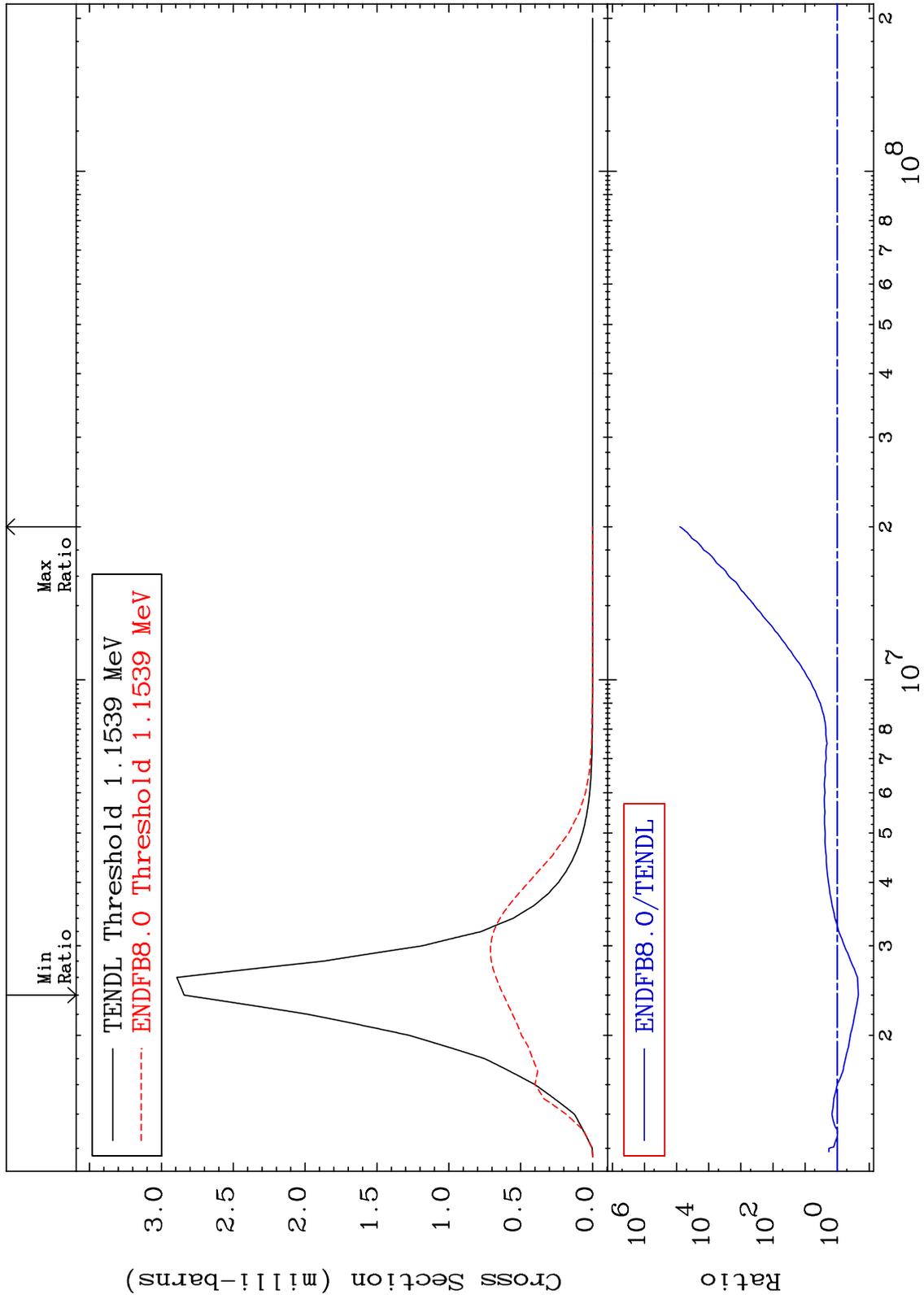
11

72-Hf-178

MAT 7237

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

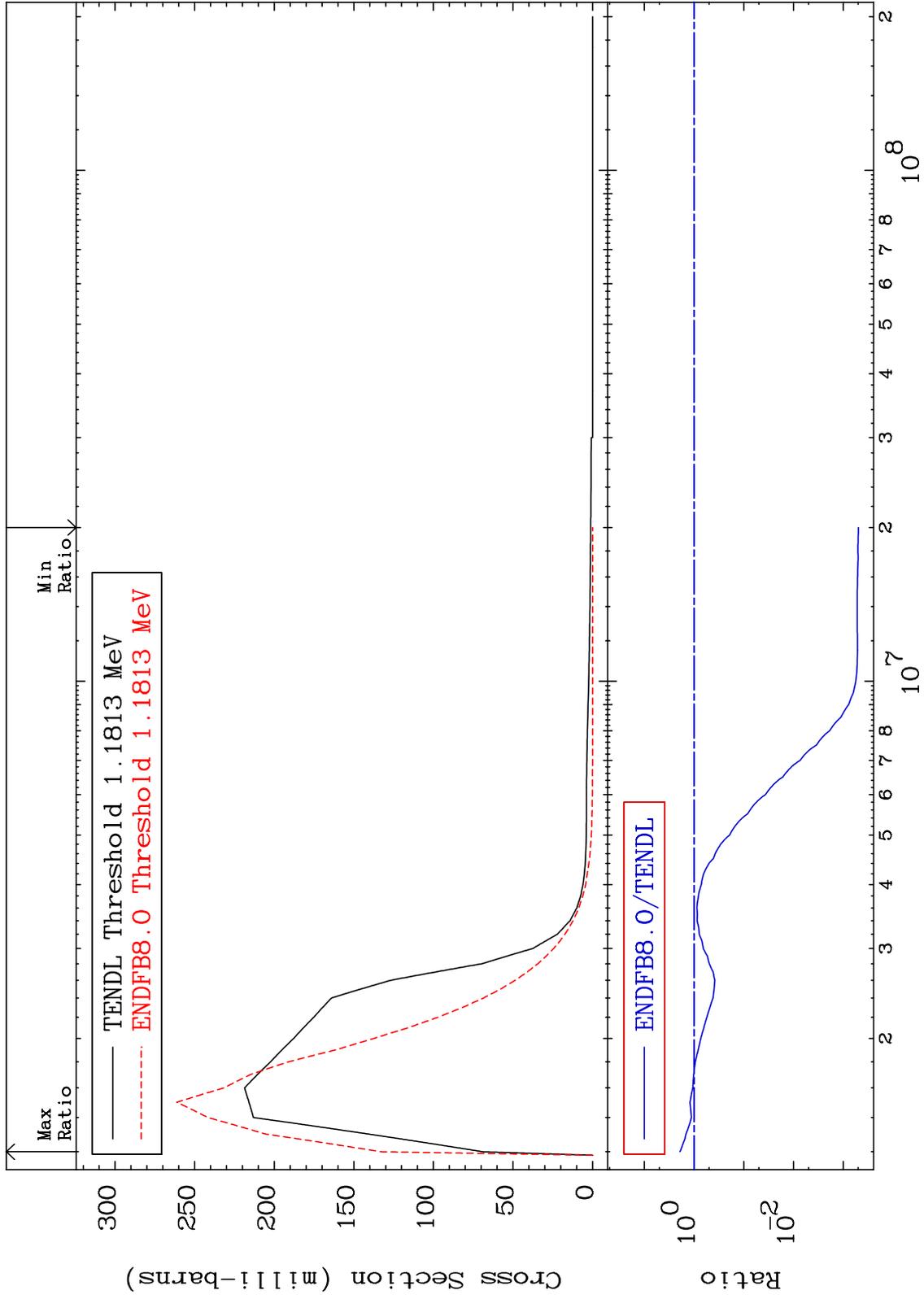
⁷²Hf-178
-78.20 To 9999. %



MAT 7237

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

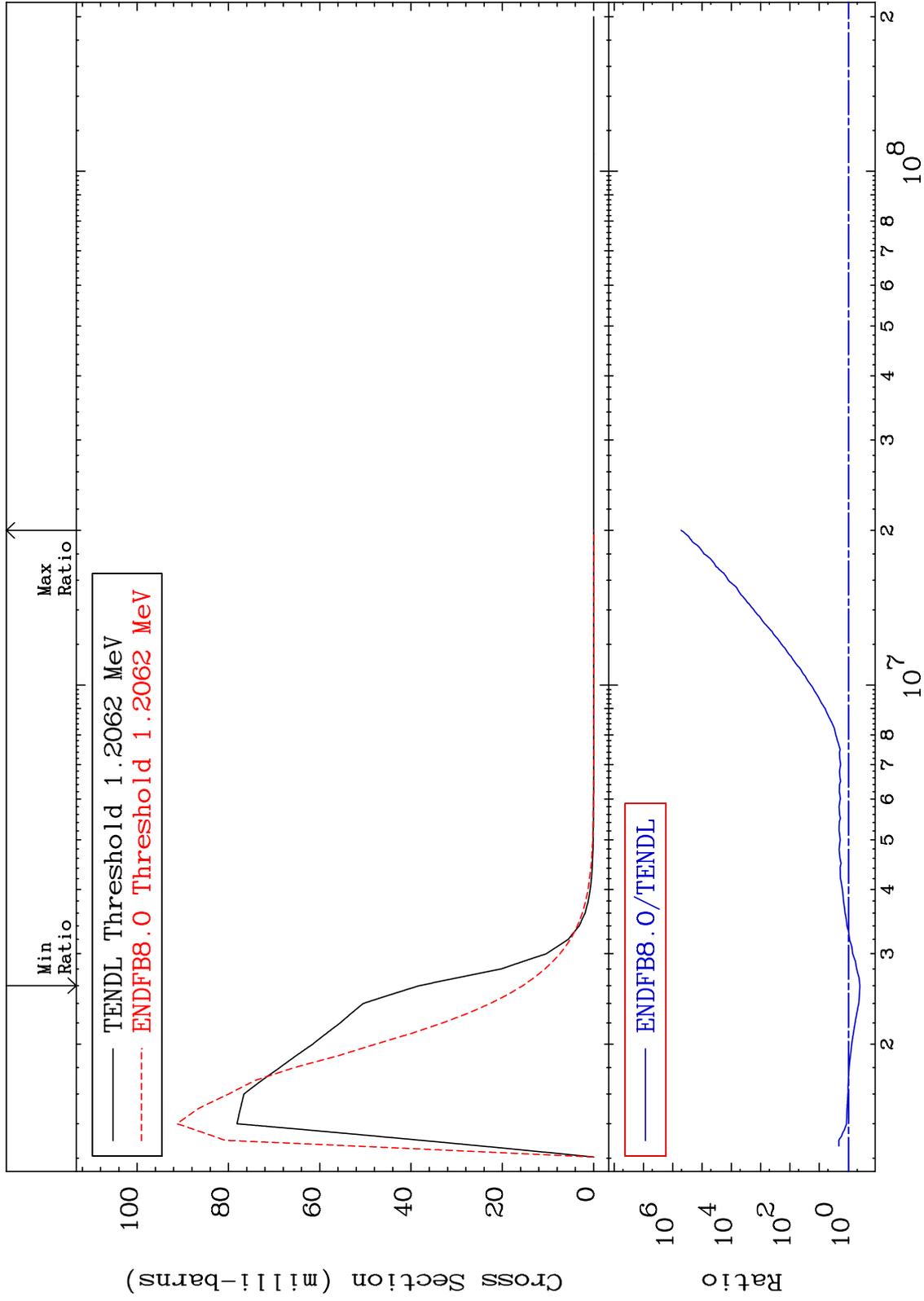
72-Hf-178
-99.95 To 92.51 %



MAT 7237

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

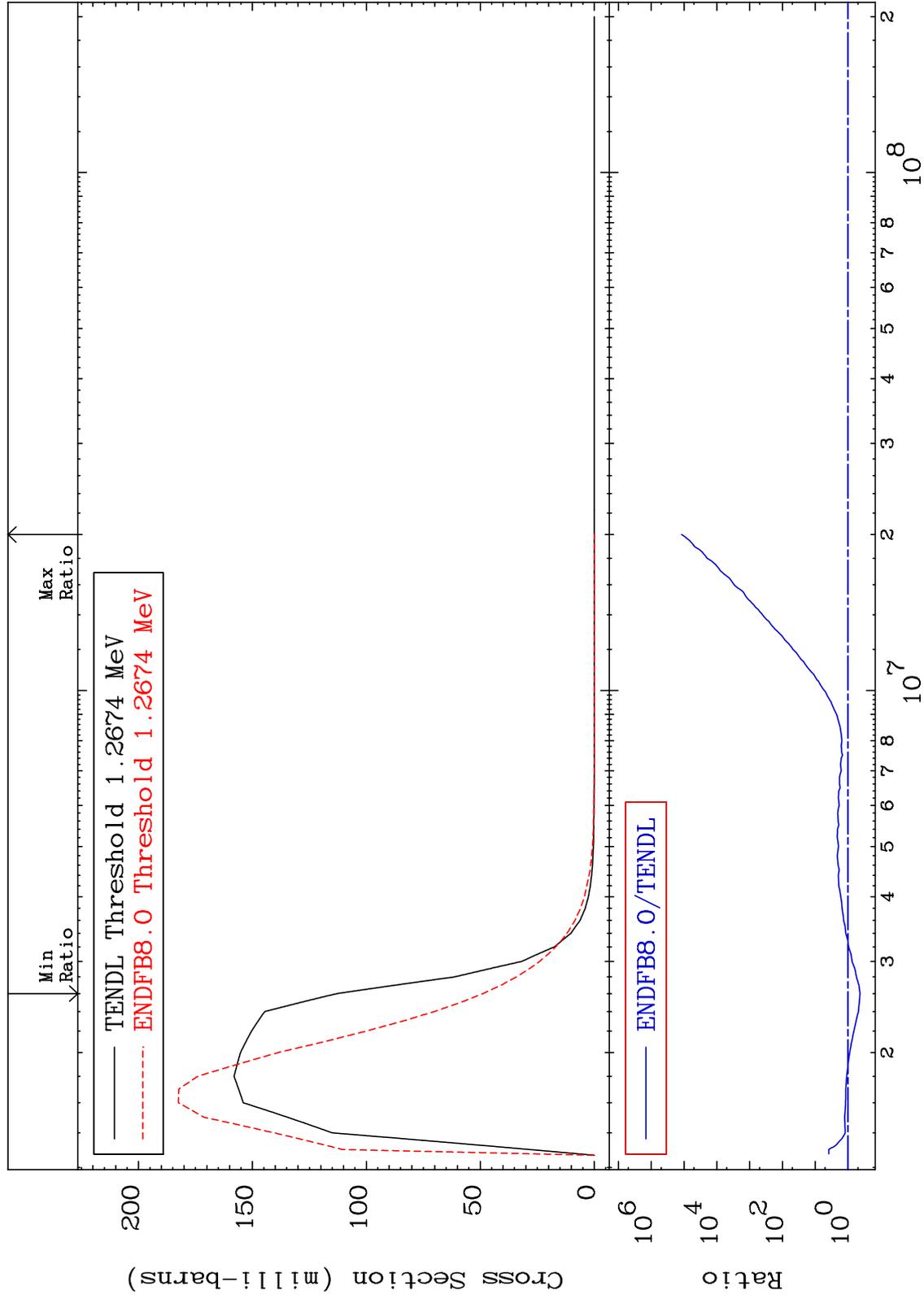
72-Hf-178
-59.29 To 9999. %



MAT 7237

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

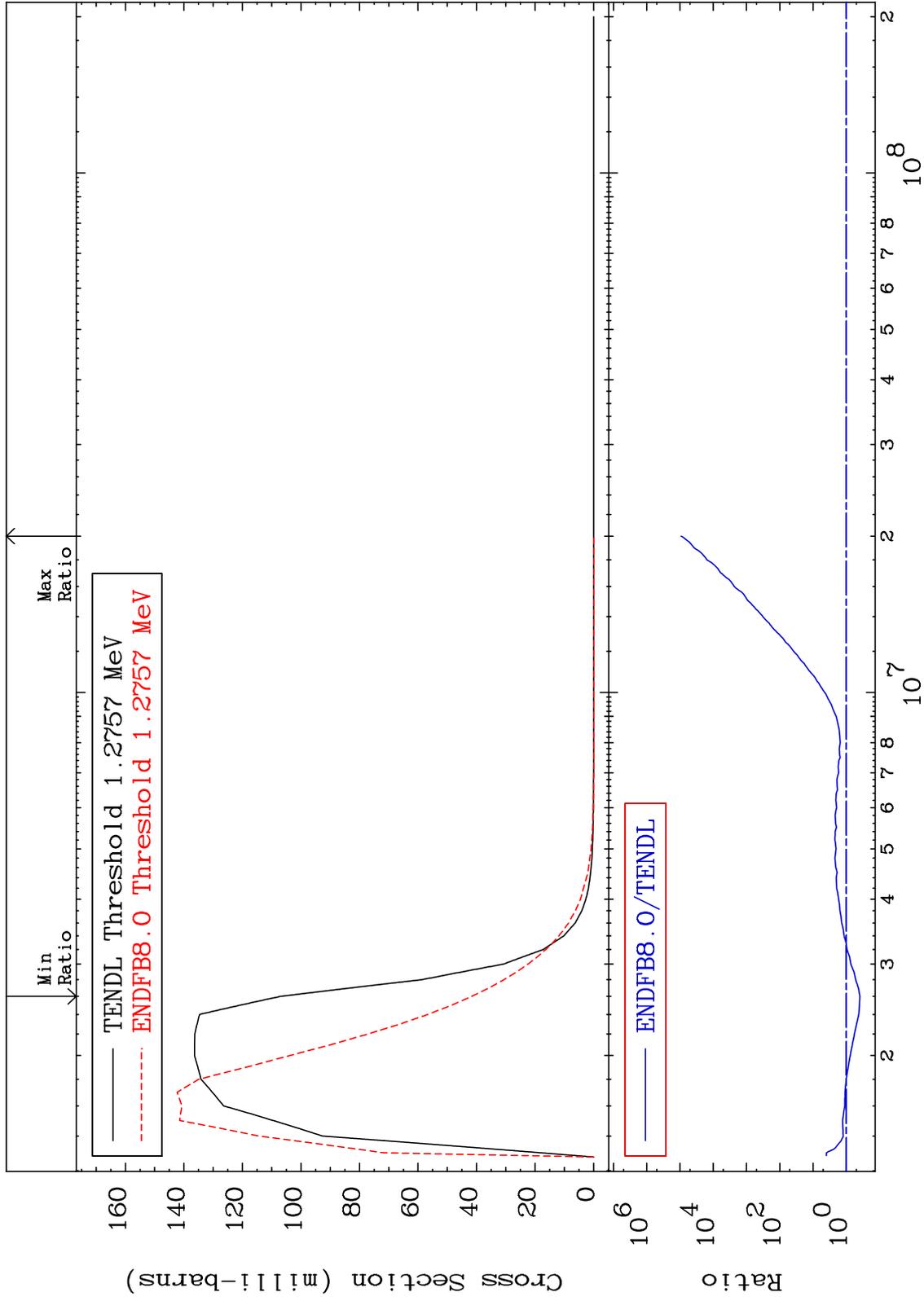
⁷²Hf-178
-56.76 To 9999. %



MAT 7237

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

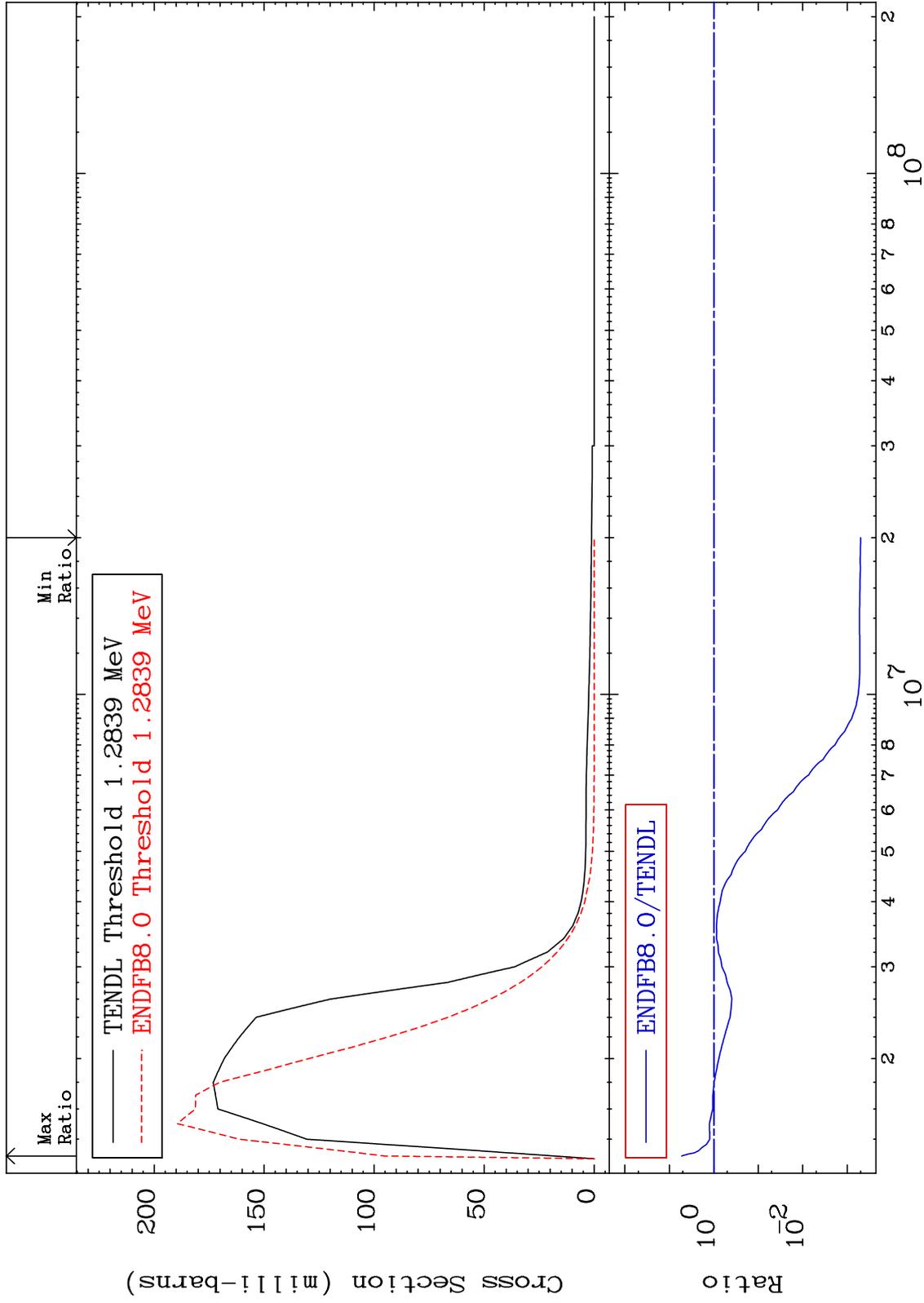
72-Hf-178
-61.10 To 9999. %



MAT 7237

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

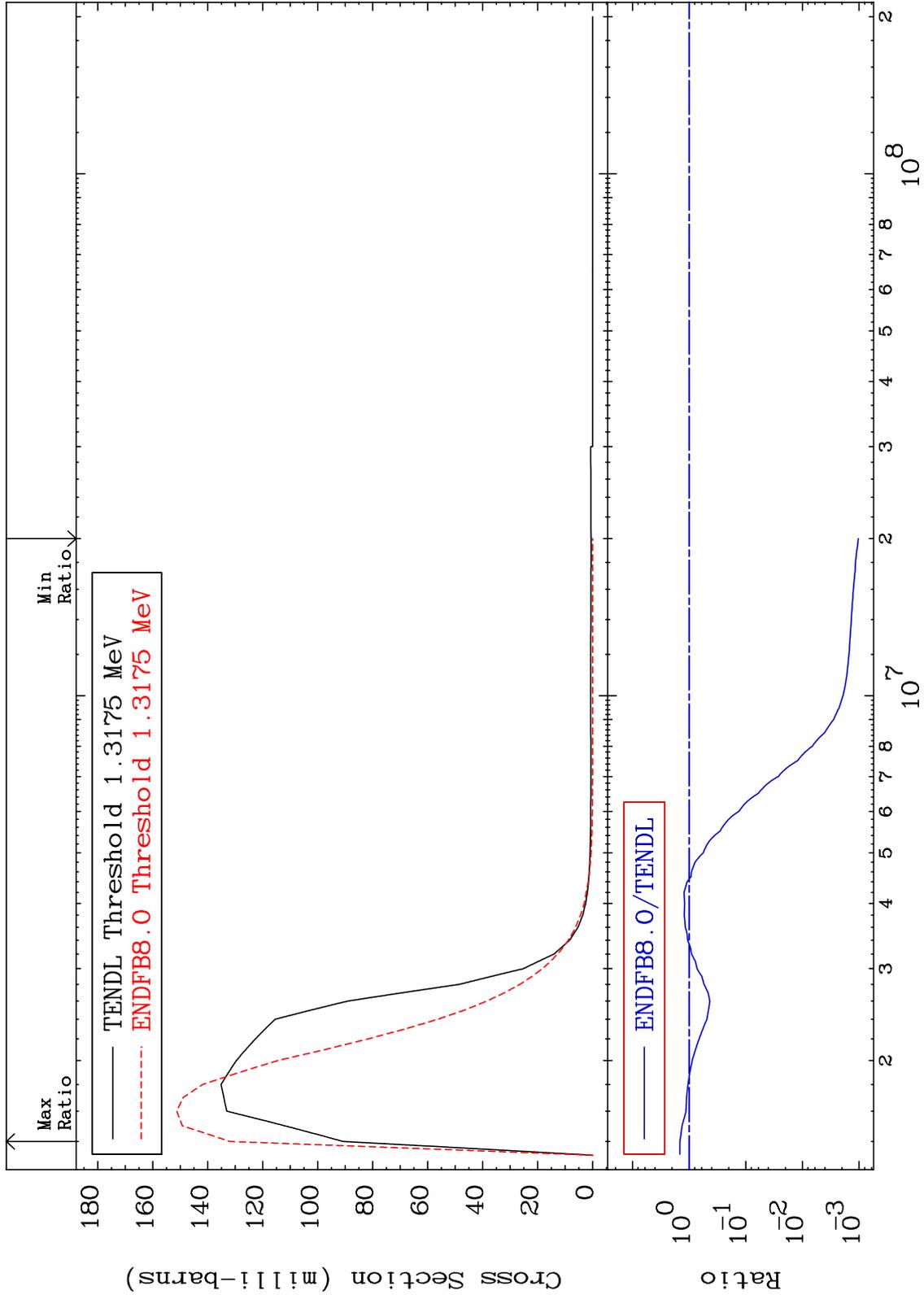
72-Hf-178
-99.95 To 426.3 %



MAT 7237

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

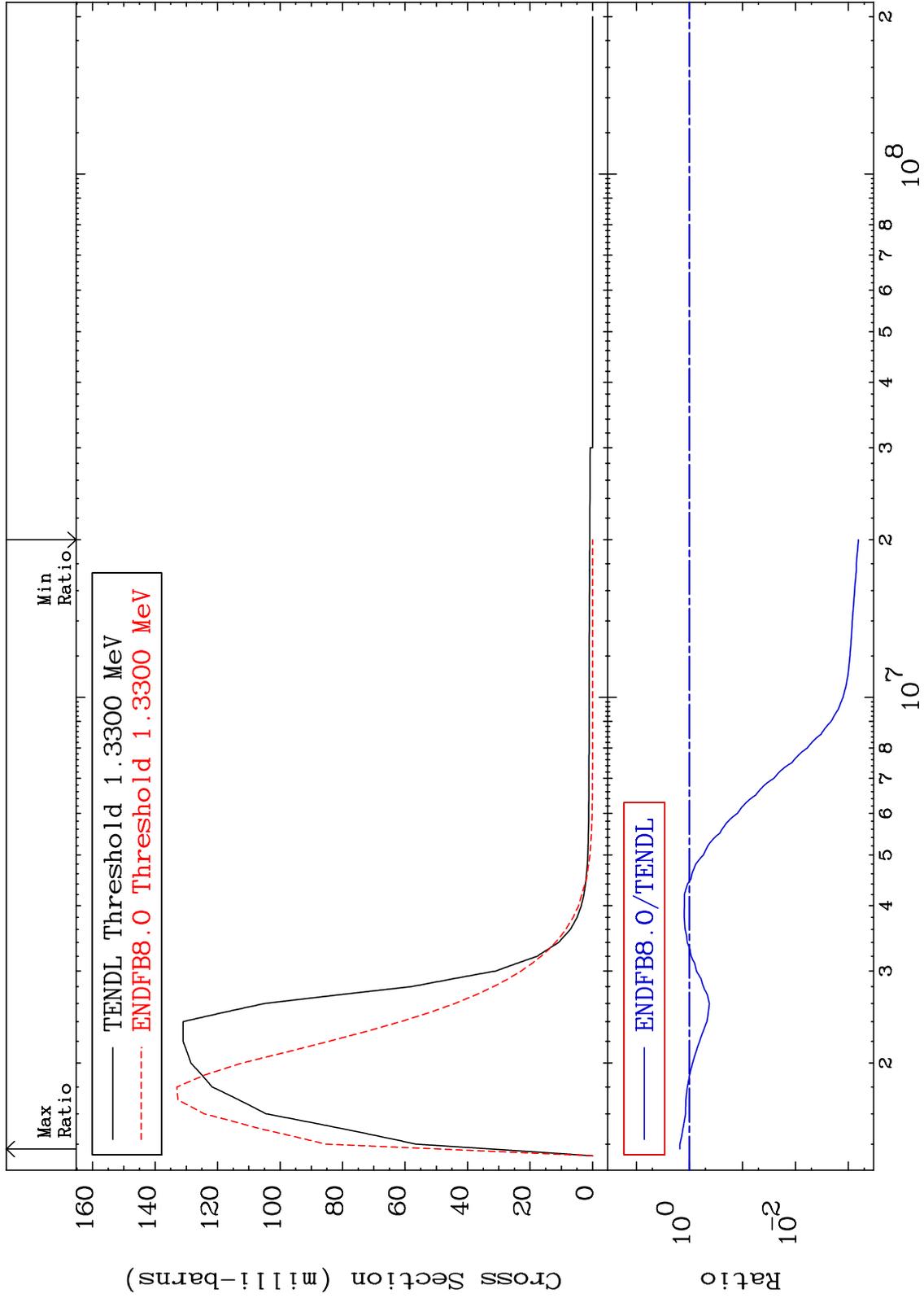
⁷²Hf-178
-99.90 To 45.38 %



MAT 7237

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

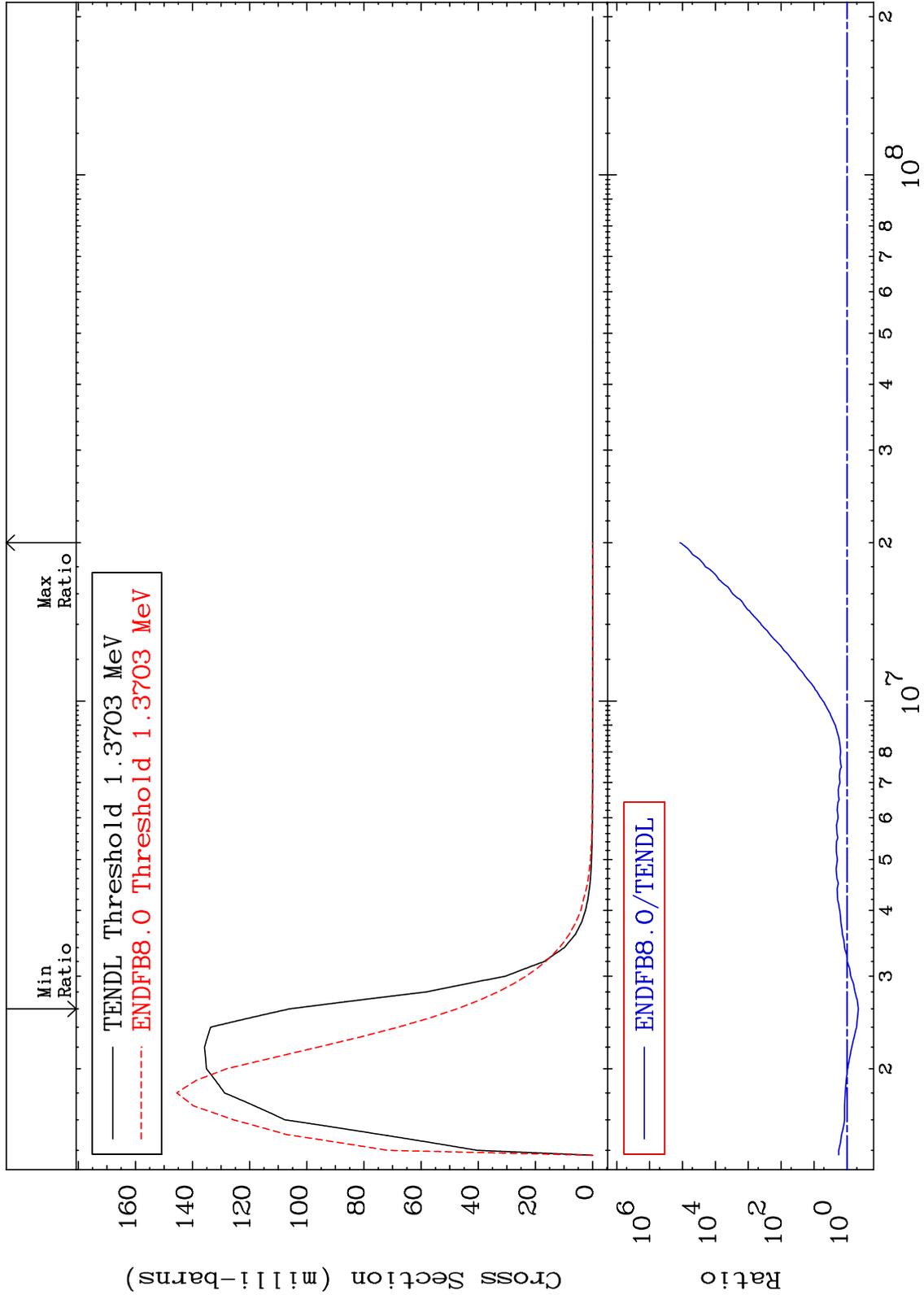
⁷²Hf-178
-99.94 To 51.22 %



MAT 7237

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

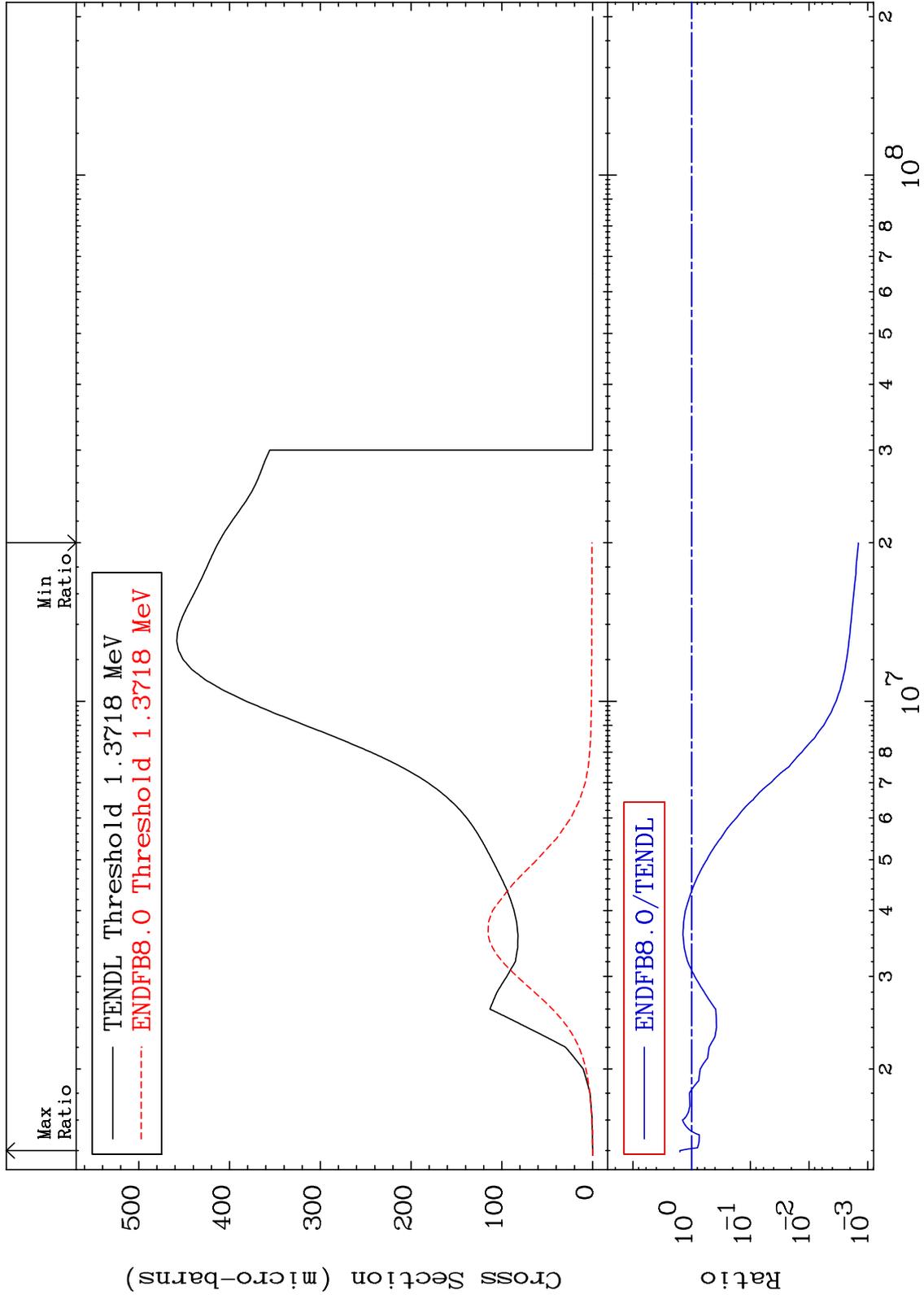
72-Hf-178
-55.25 To 9999. %



MAT 7237

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

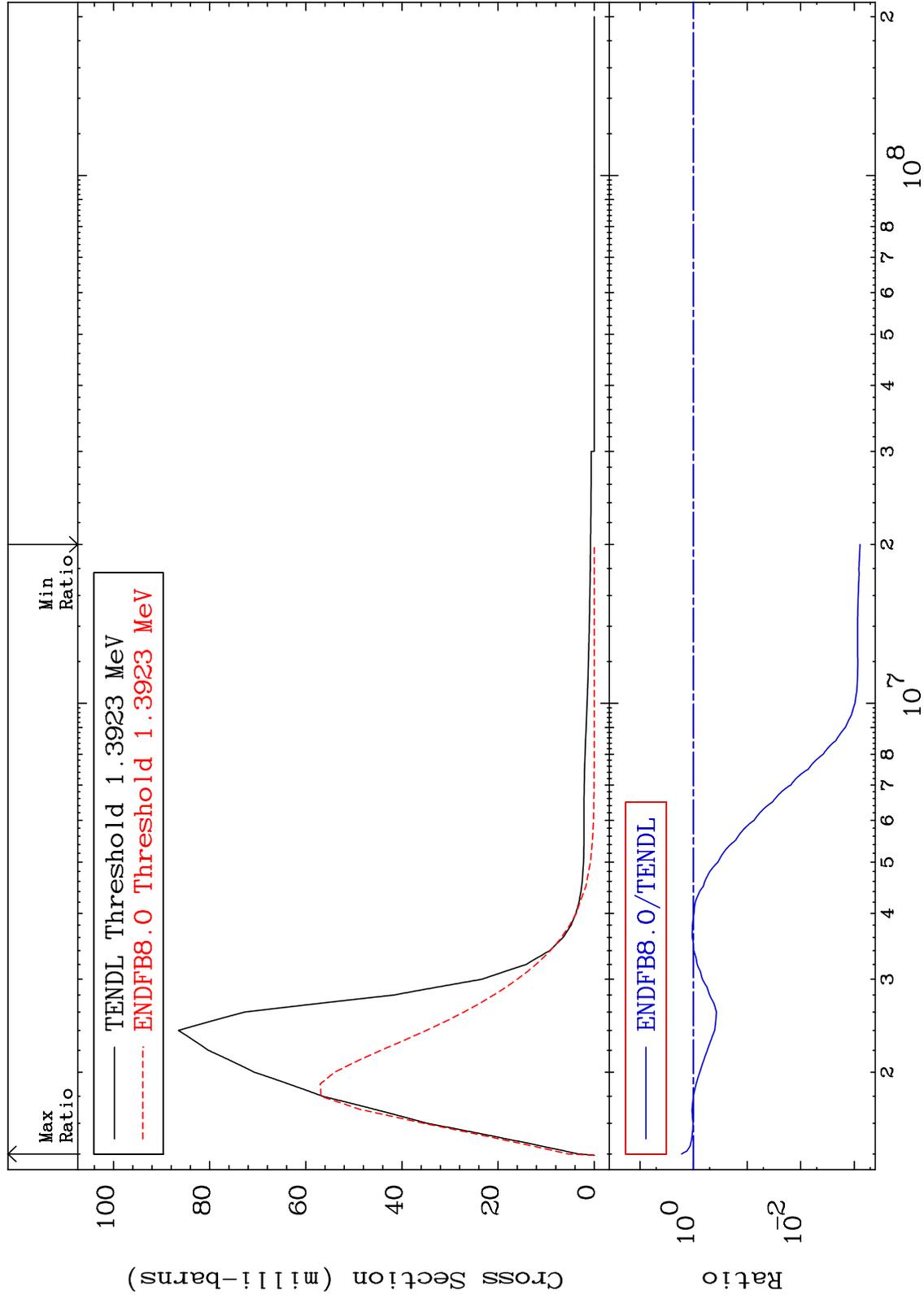
72-Hf-178
-99.86 To 58.15 %



MAT 7237

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

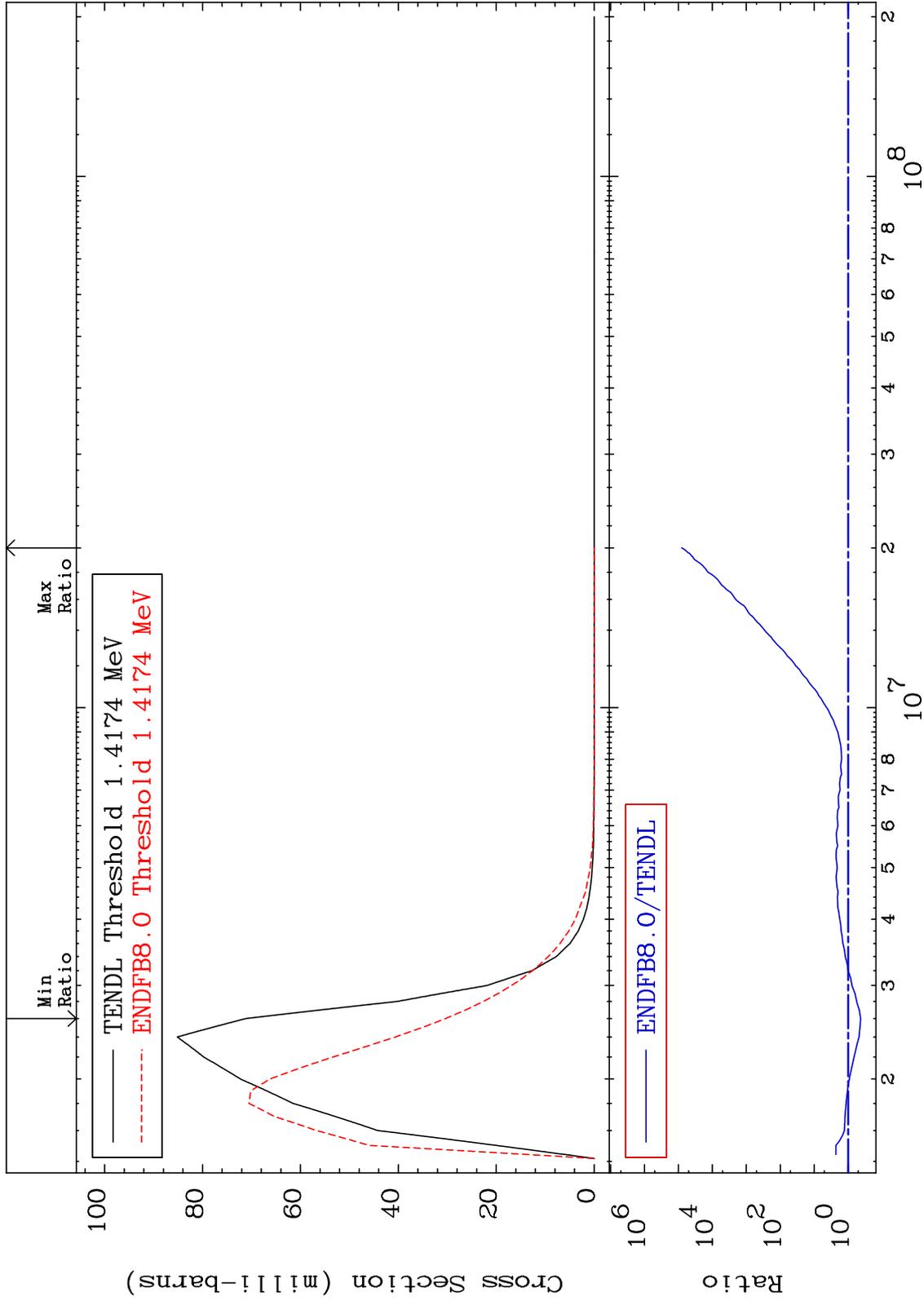
72-Hf-178
-99.92 To 67.45 %



MAT 7237

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

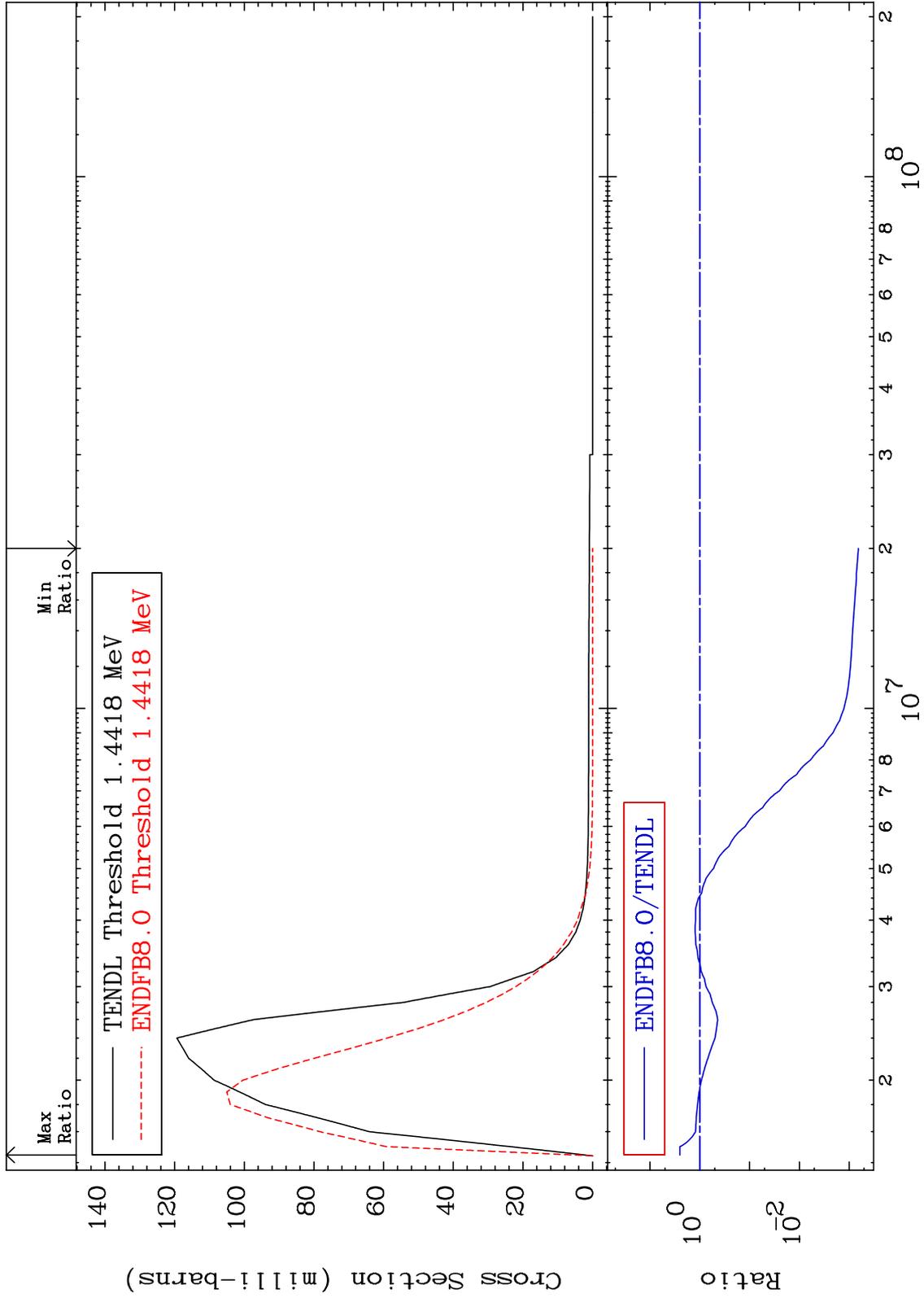
72-Hf-178
-57.38 To 9999. %



MAT 7237

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

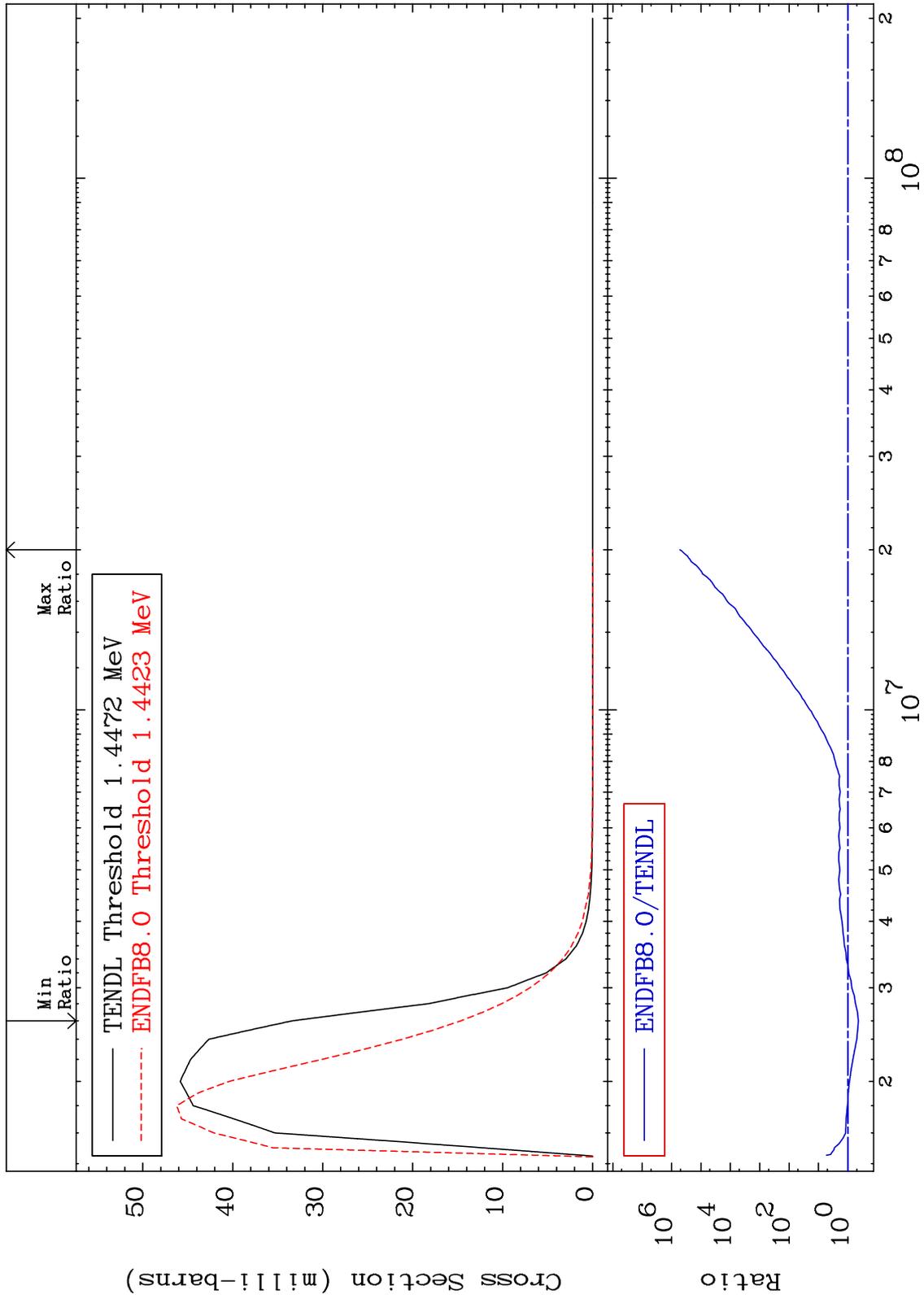
72-Hf-178
-99.94 To 151.0 %



MAT 7237

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

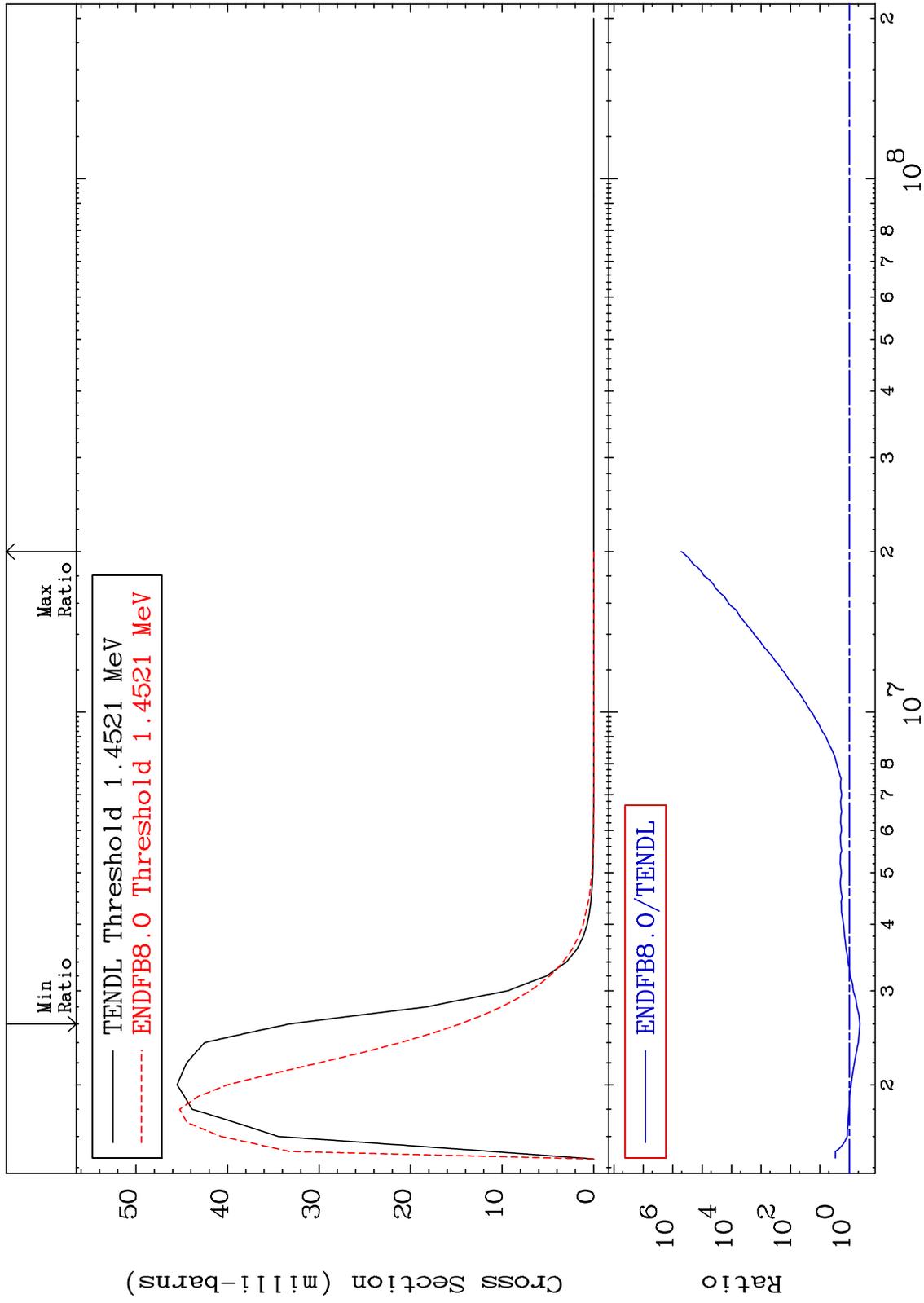
72-Hf-178
-56.09 To 9999. %



MAT 7237

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

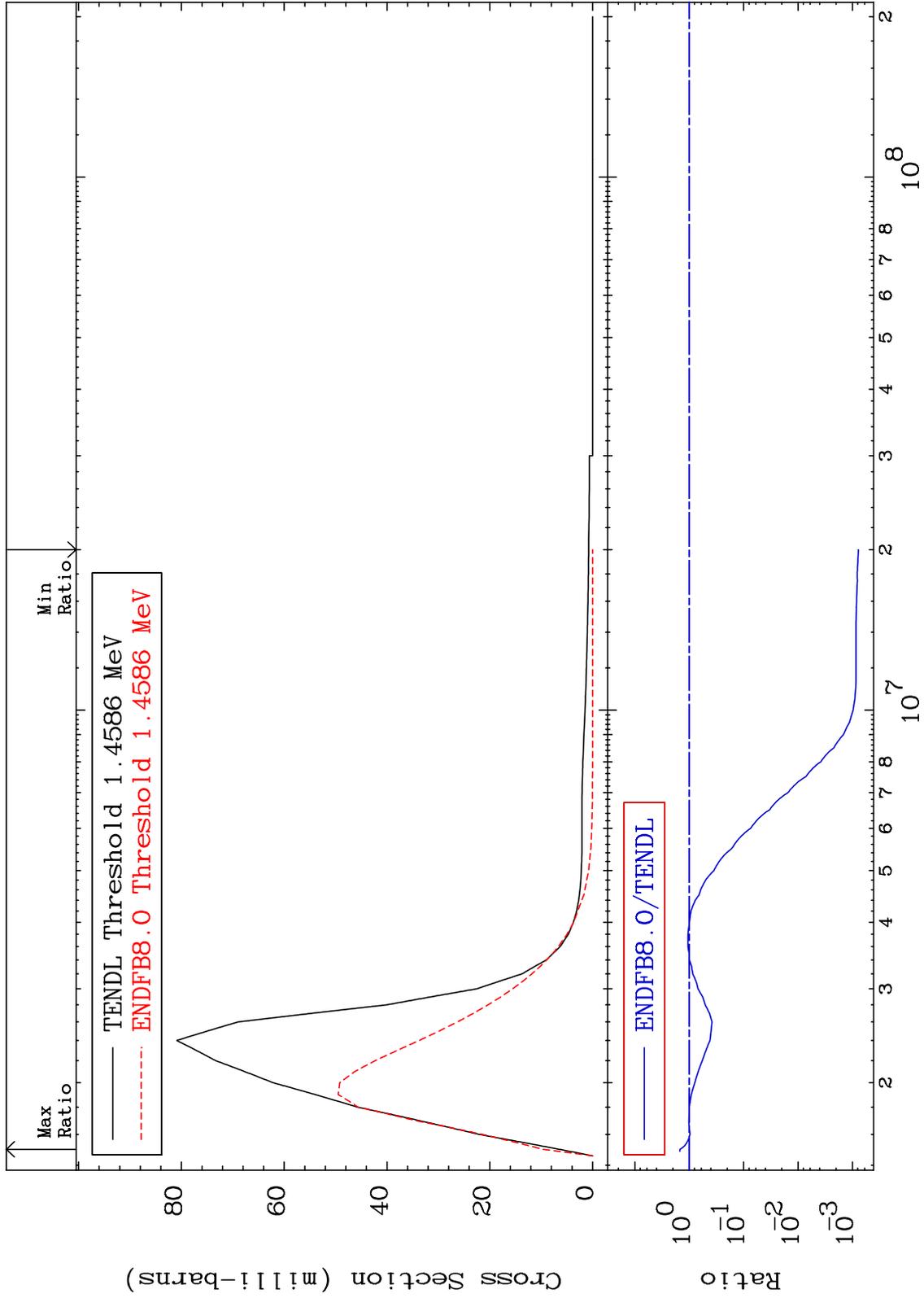
72-Hf-178
-56.07 To 9999. %



MAT 7237

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

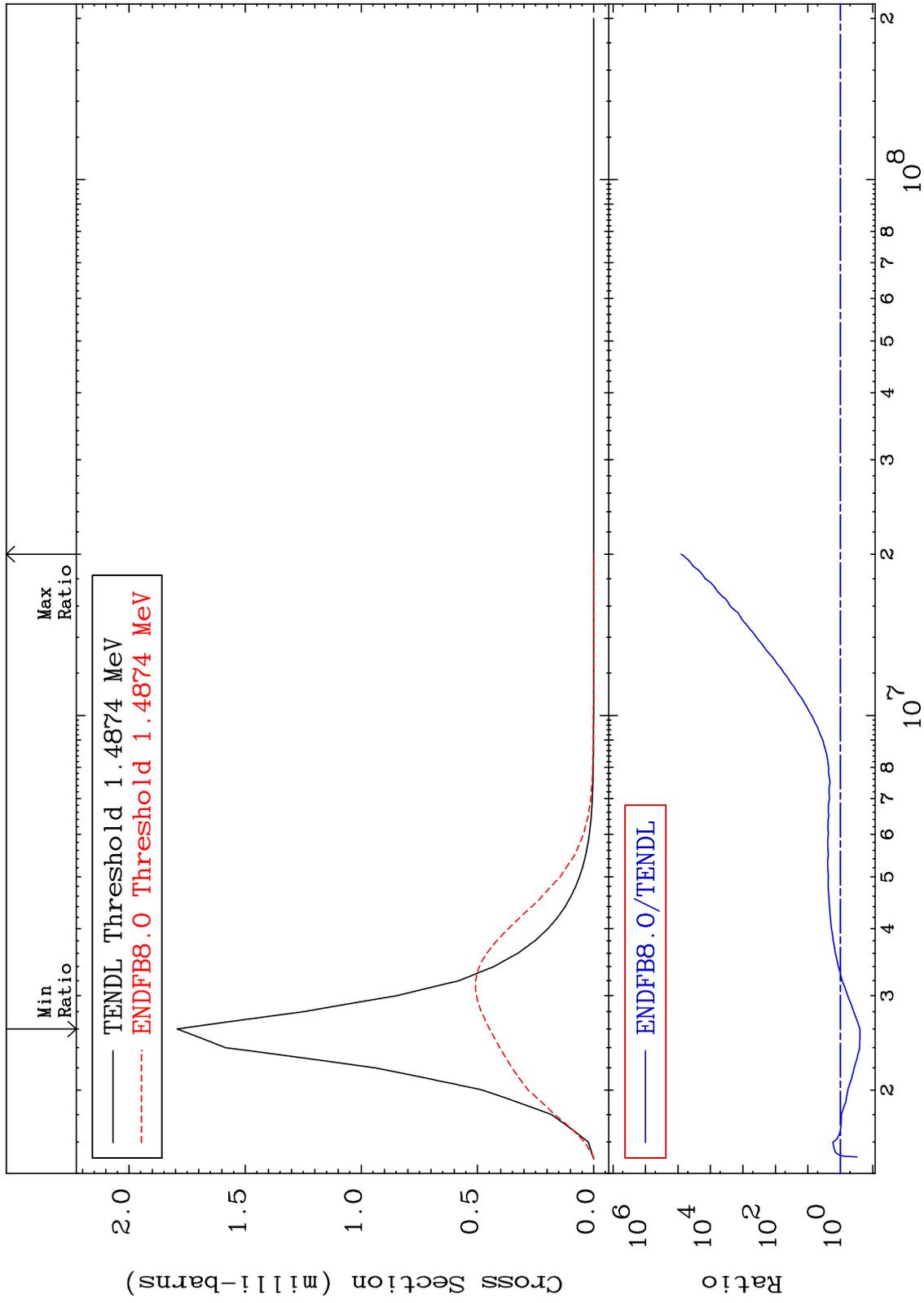
72-Hf-178
-99.92 To 48.32 %



MAT 7237

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

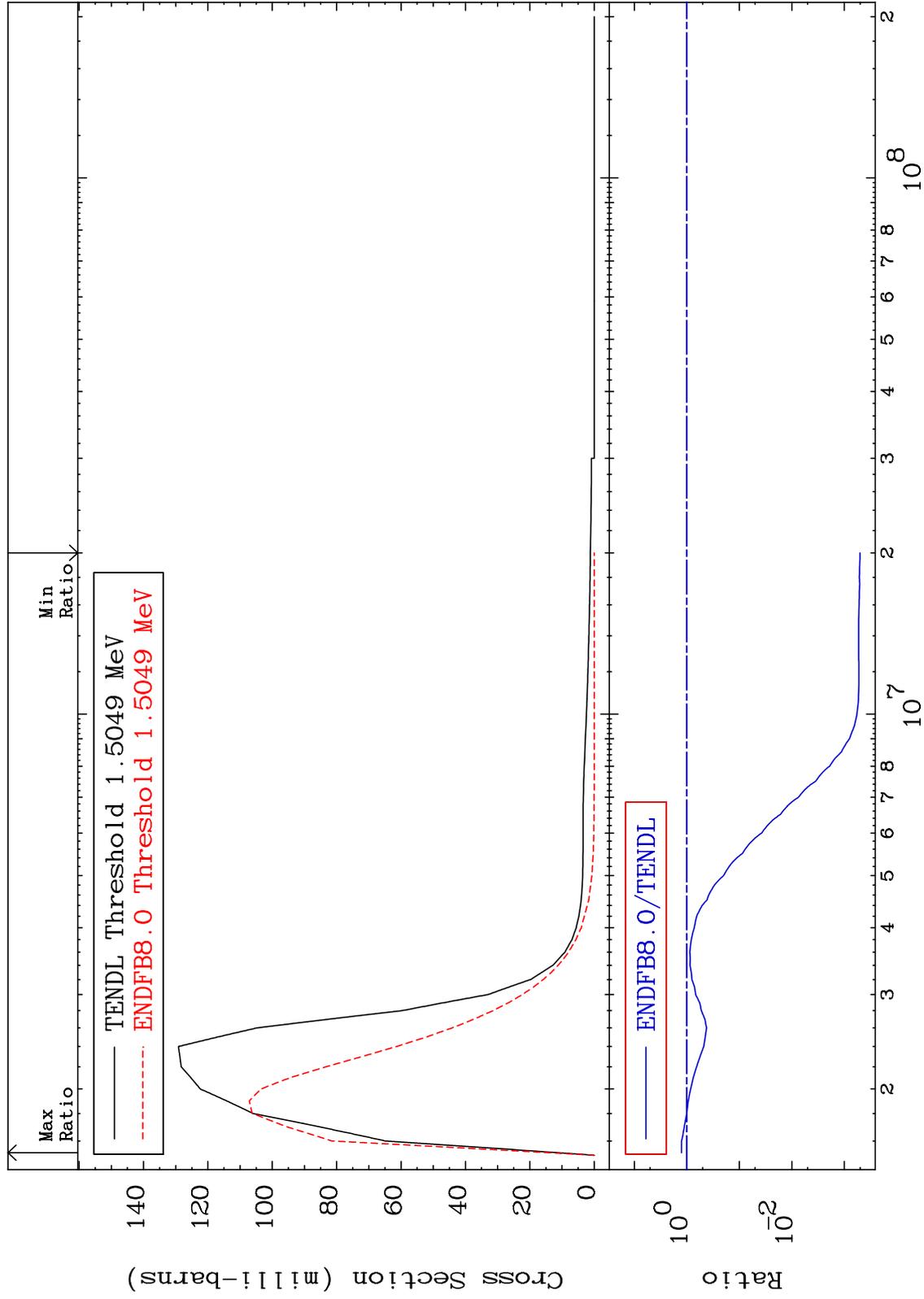
72-Hf-178
-75.01 To 9999. %



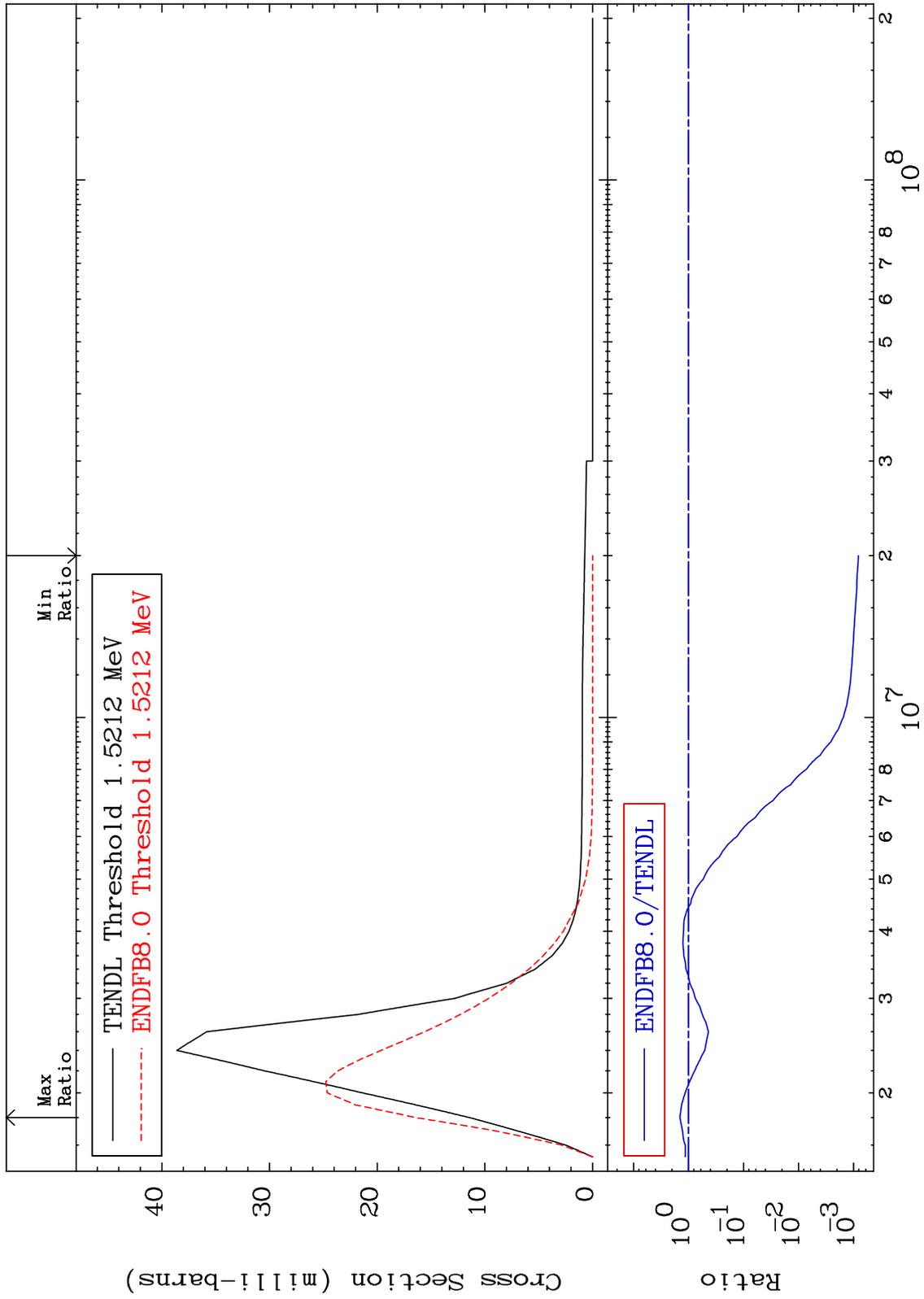
MAT 7237

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

72-Hf-178
-99.95 To 25.85 %



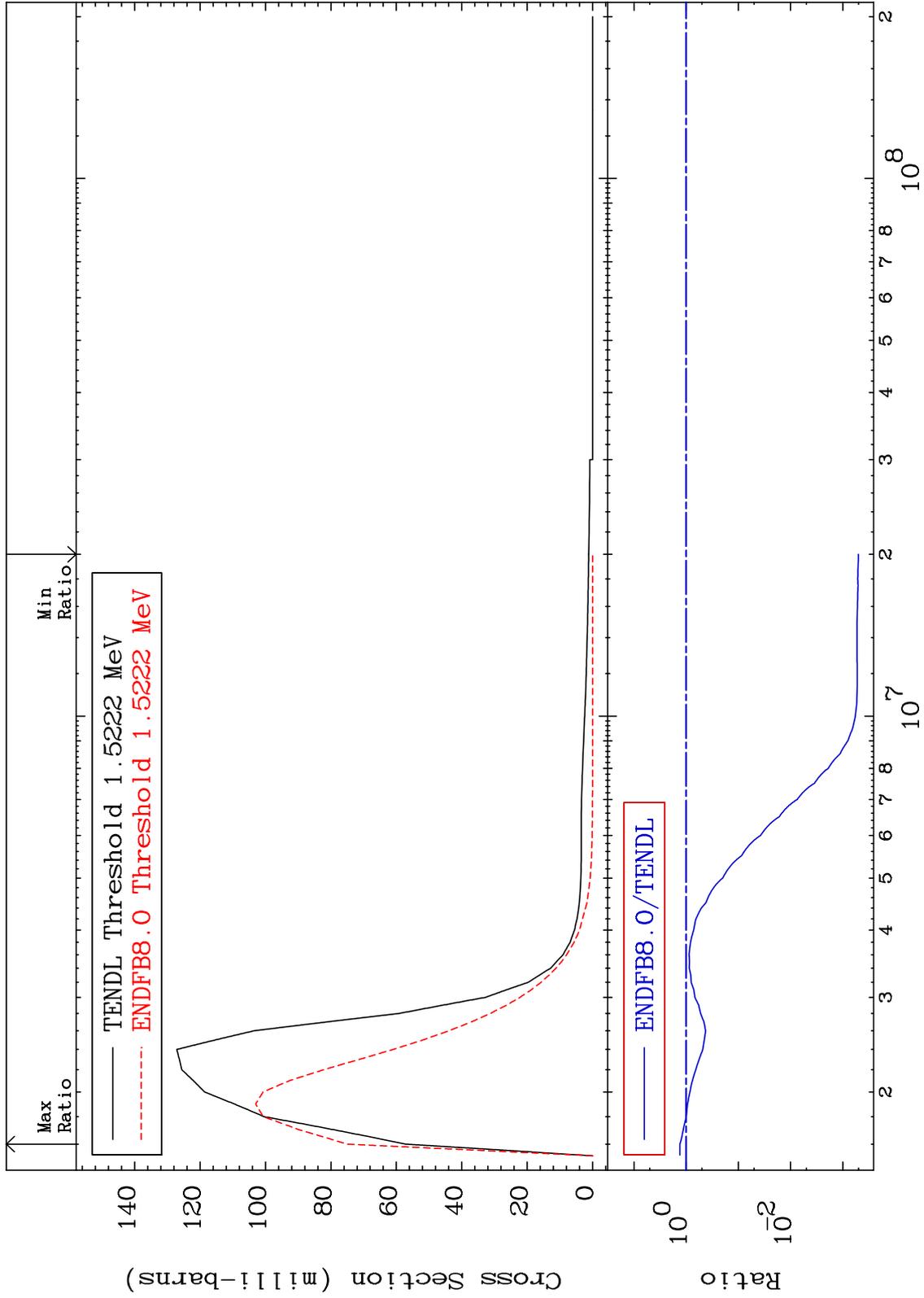
MAT 7237 MT= 73 (n,n') Level Cross Section 72-Hf-178 -99.92 To 43.66 %



MAT 7237

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

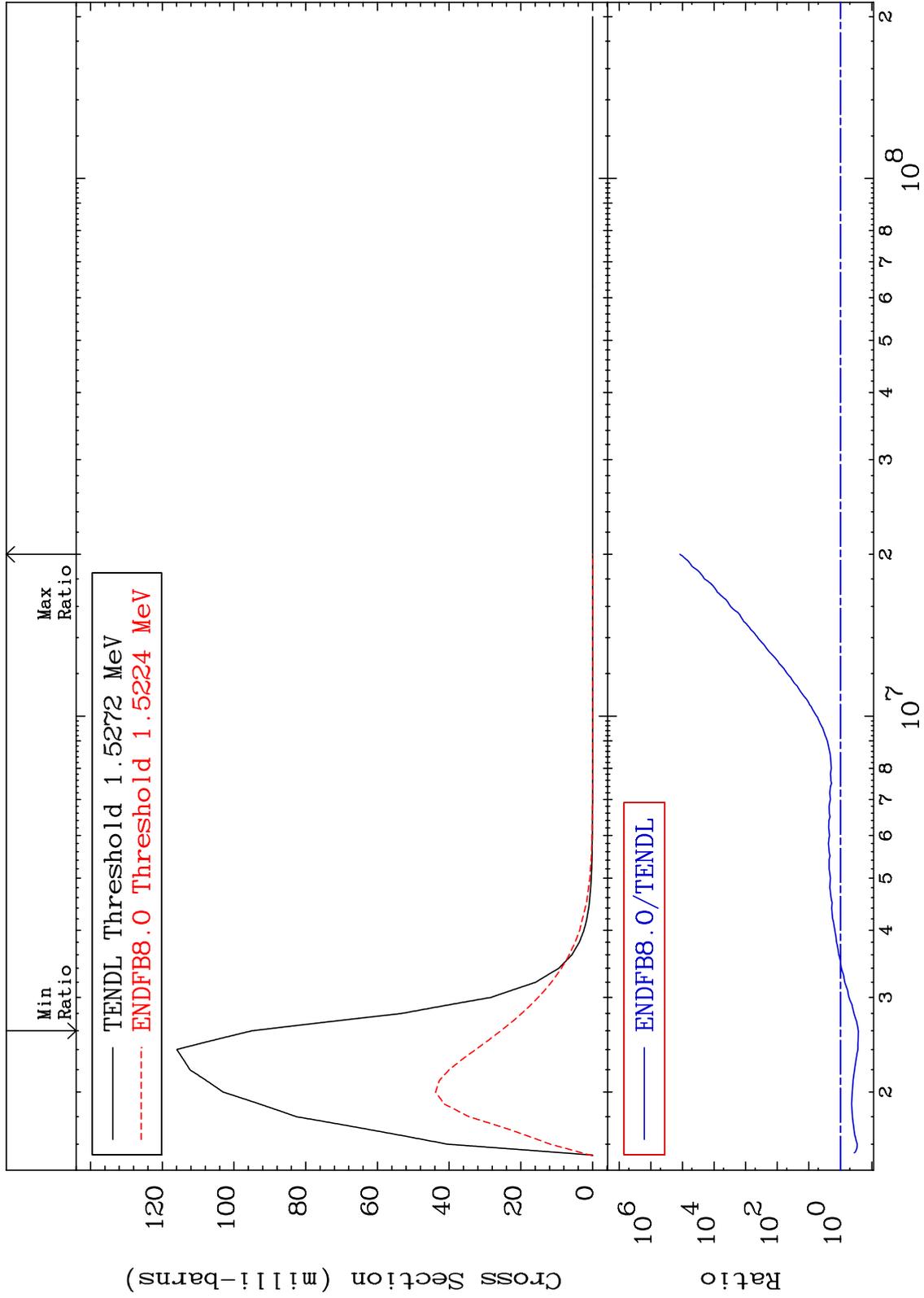
72-Hf-178
-99.95 To 31.57 %



MAT 7237

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

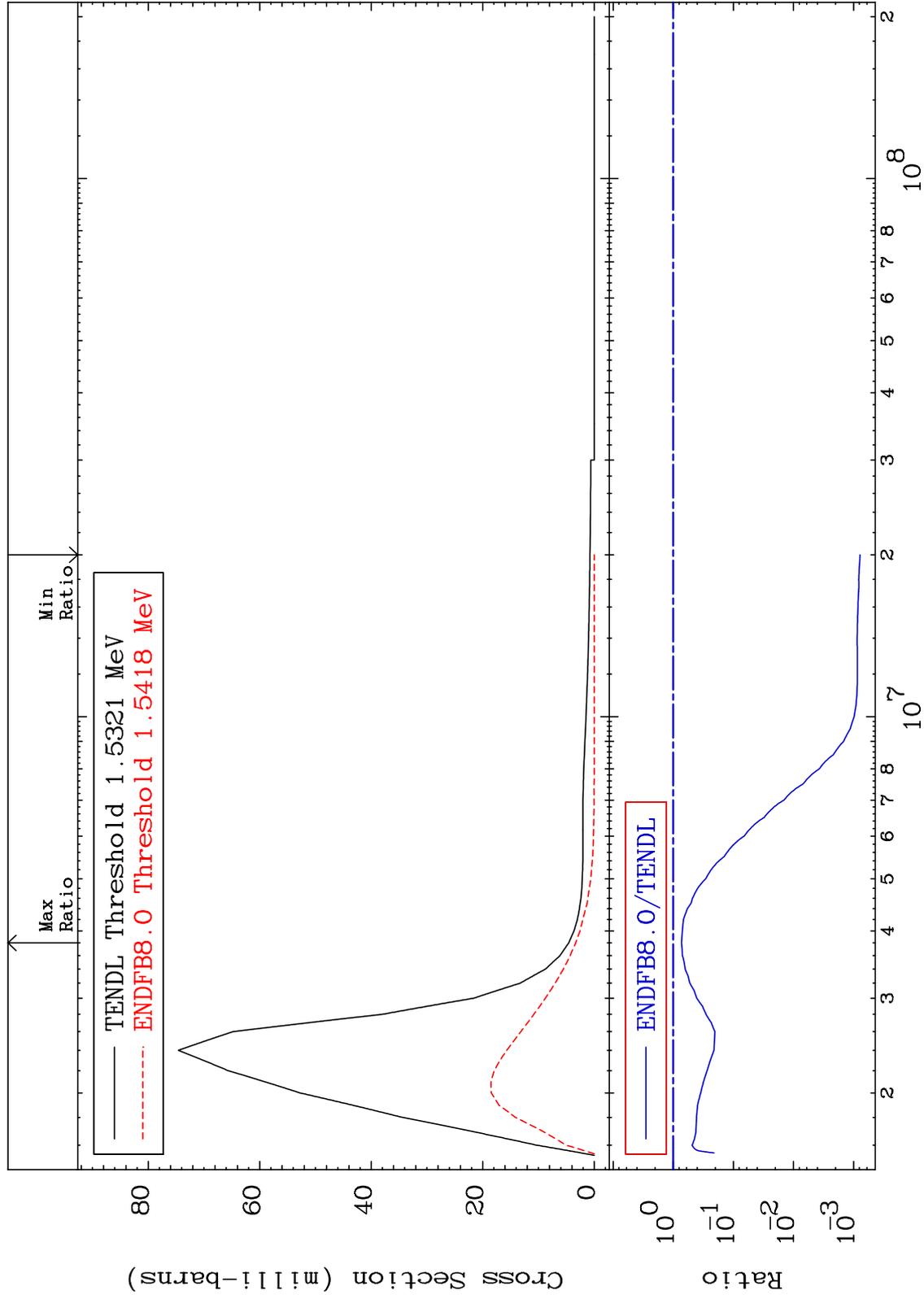
72-Hf-178
-73.08 To 9999. %



MAT 7237

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

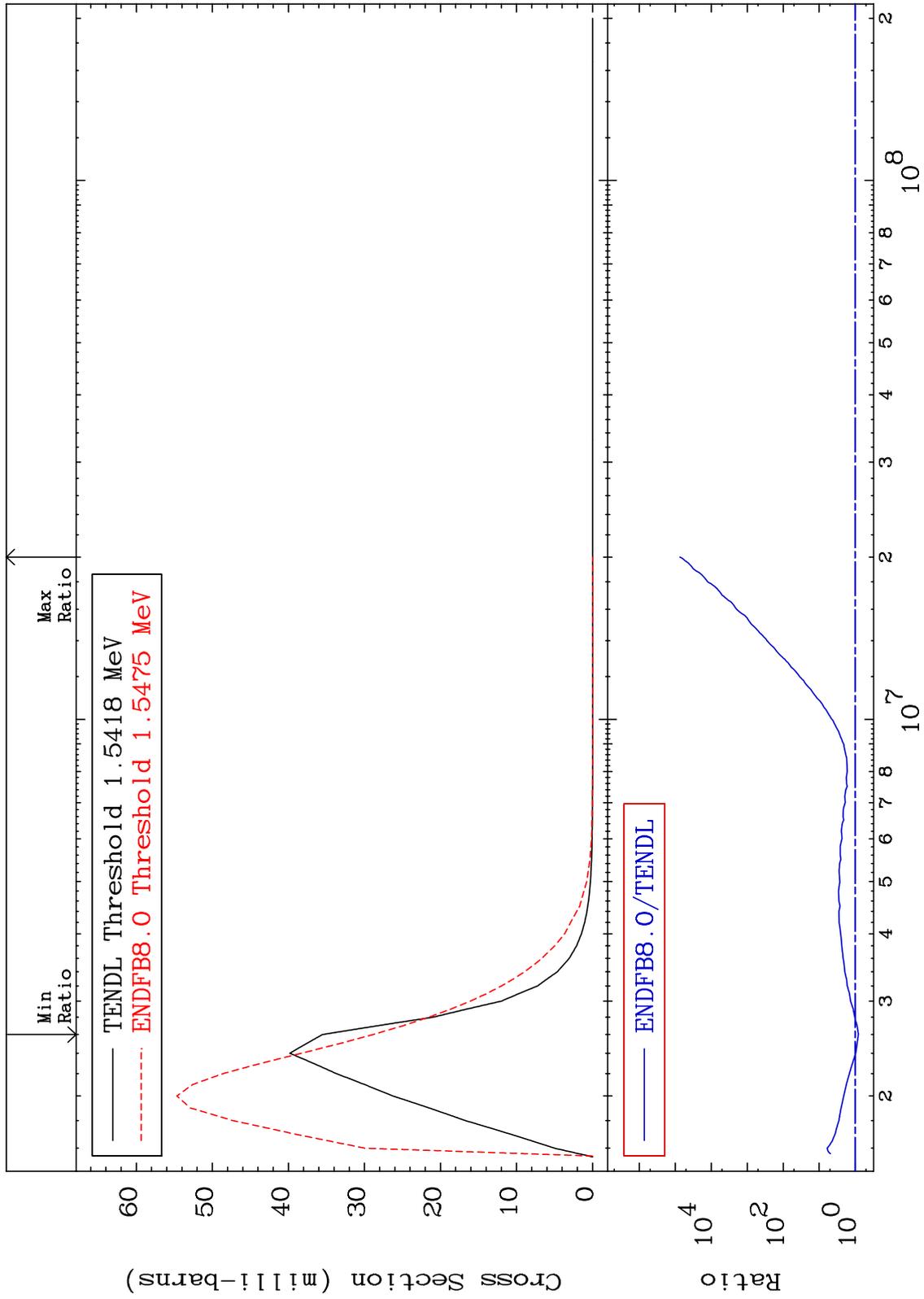
⁷²Hf-178
-99.92 To -27.31%



MAT 7237

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

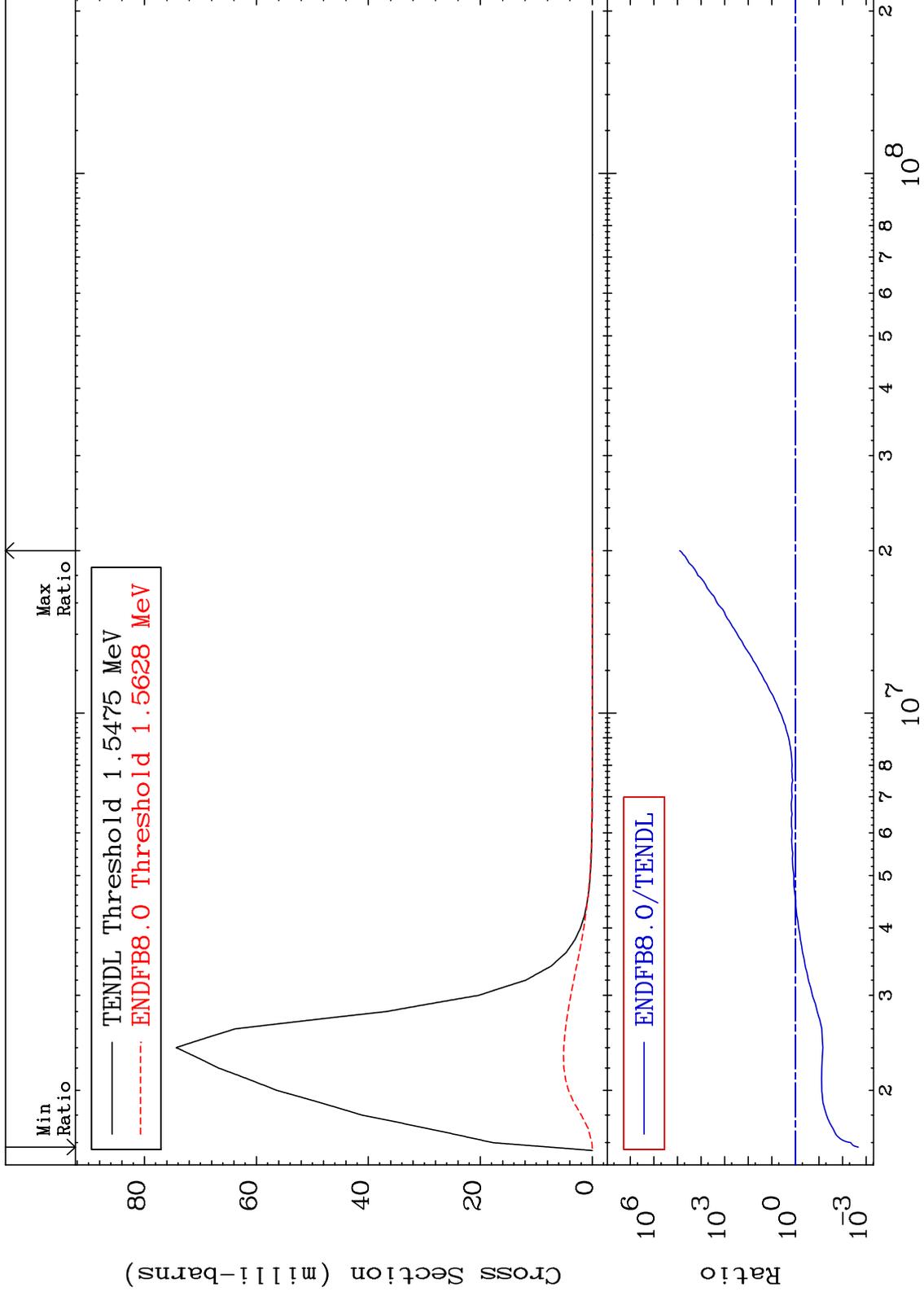
72-Hf-178
-18.75 To 9999. %



MAT 7237

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

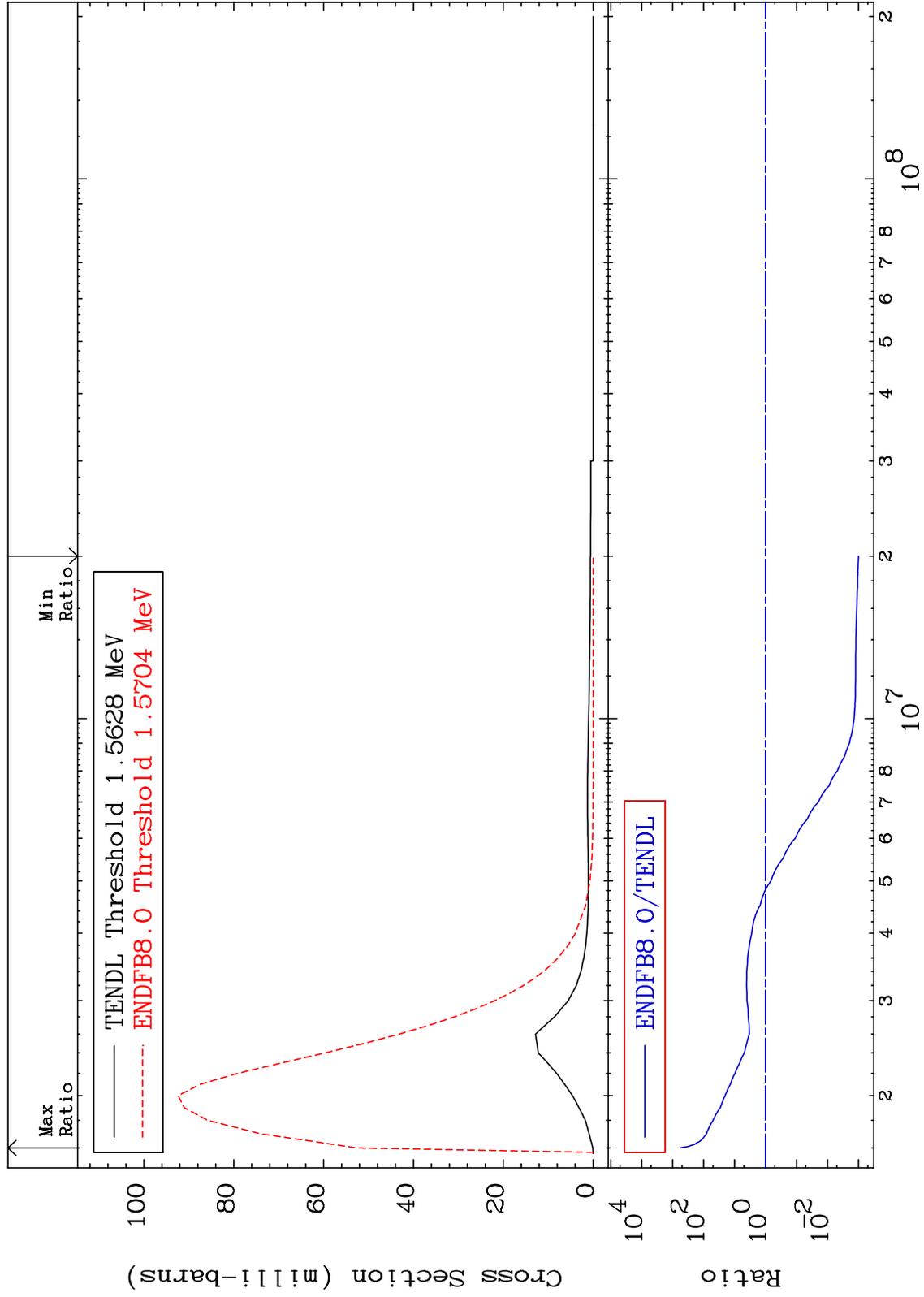
72-Hf-178
-99.79 To 9999. %



MAT 7237

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

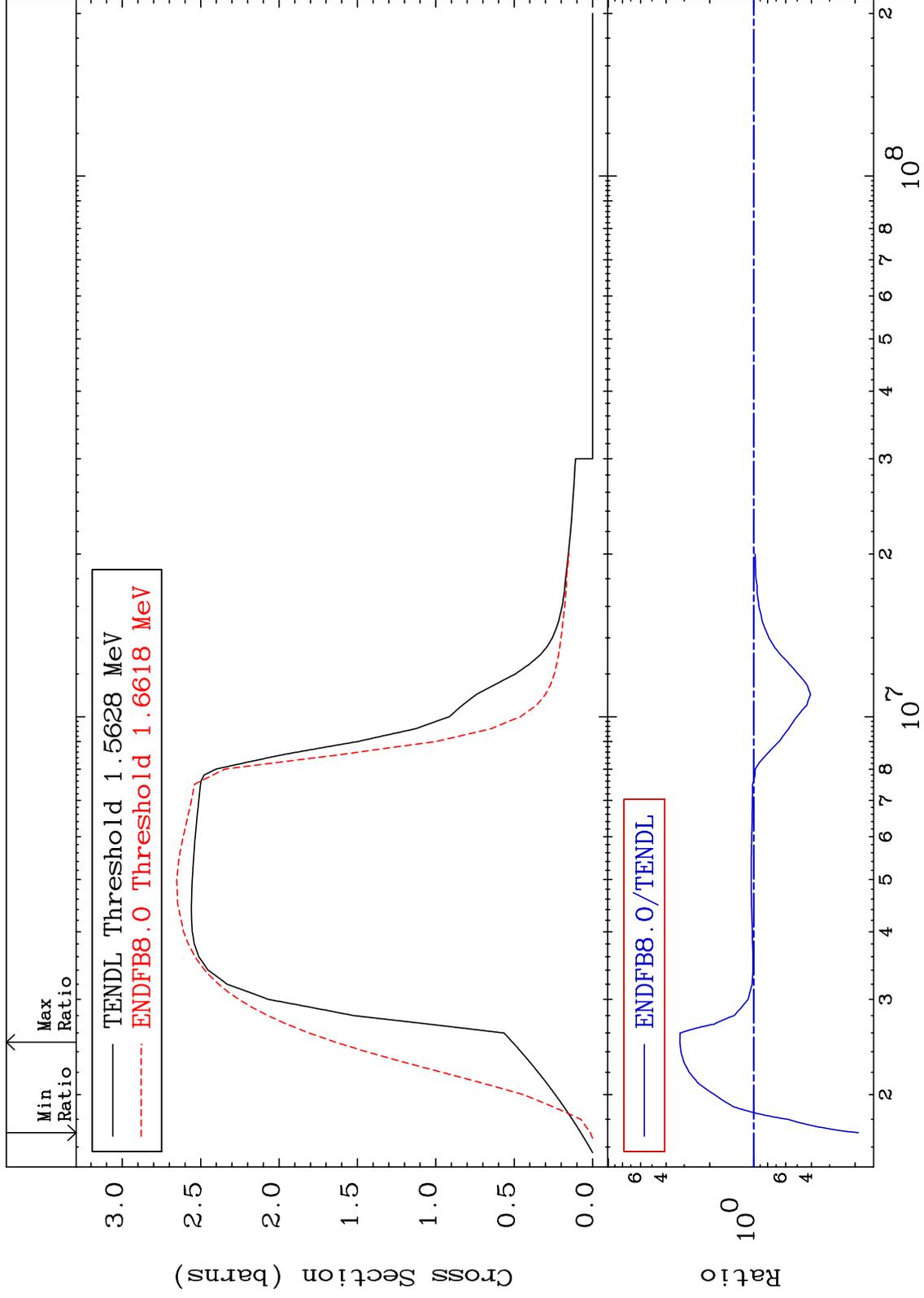
72-Hf-178
-99.90 To 9999. %



MAT 7237

(n,n') Continuum
Cross Section

72-Hf-178
-81.02 To 221.3 %



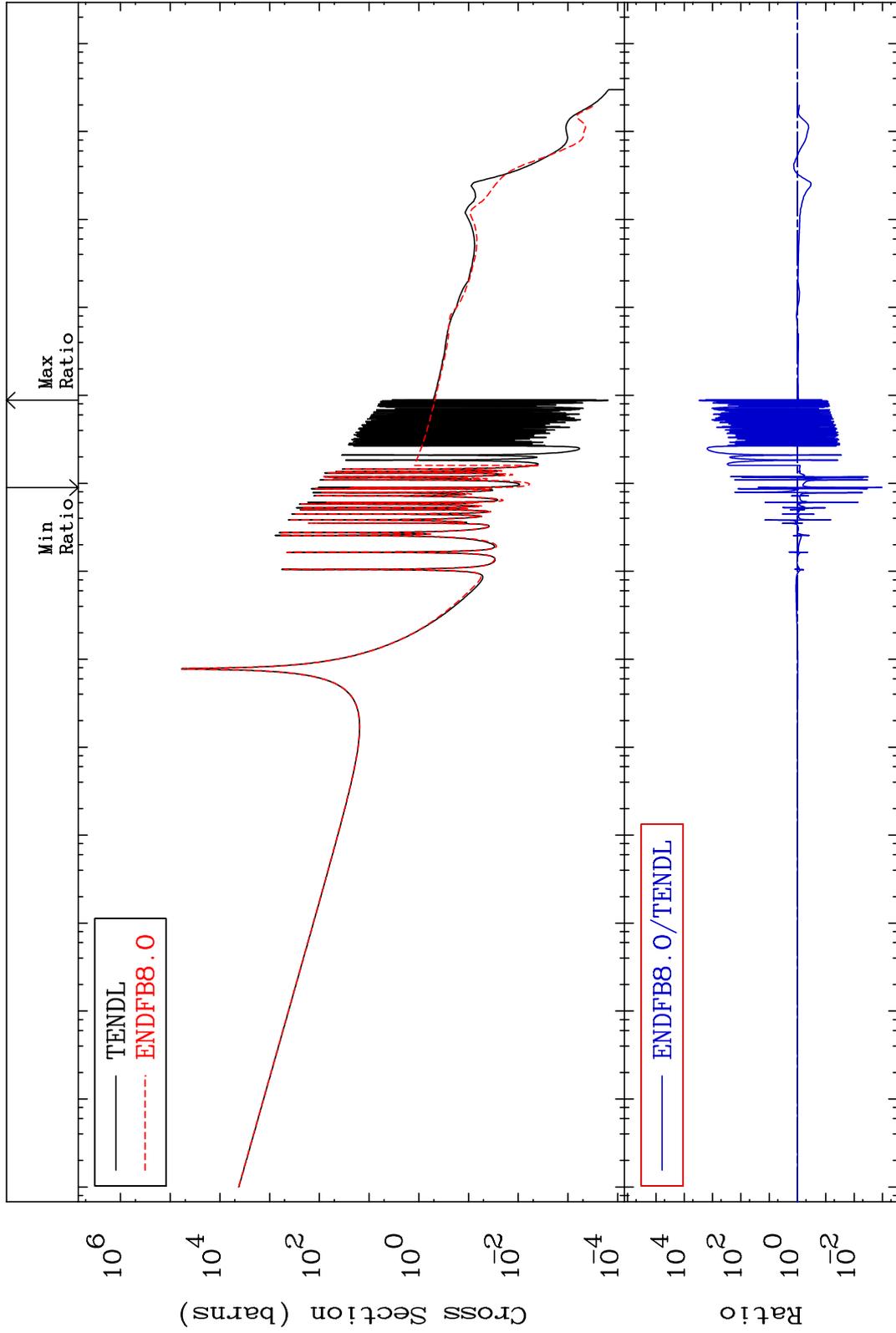
MAT 7237

(n, γ)

72-Hf-178

Cross Section

-99.90 To 9999. %



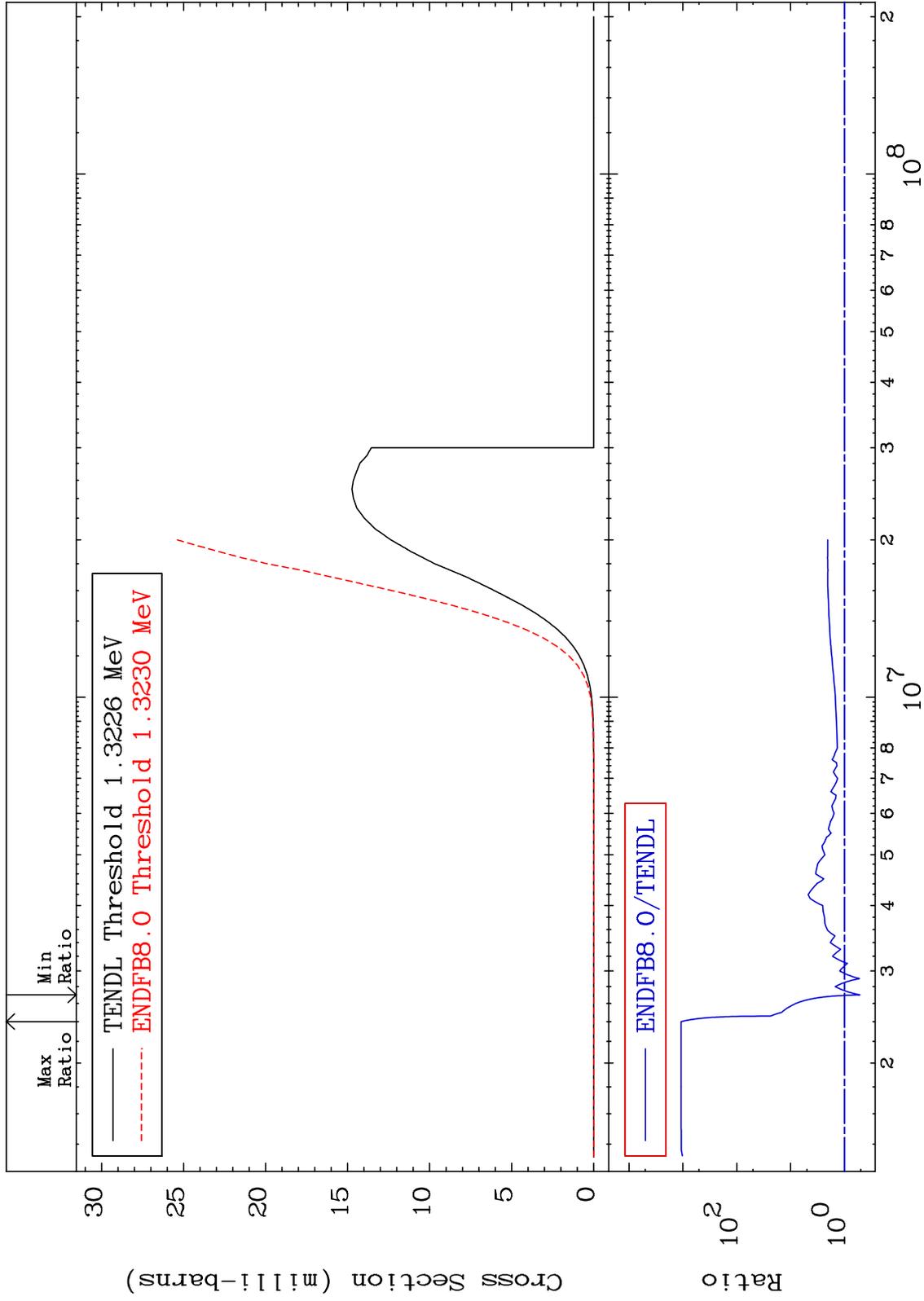
MAT 7237

(n,p)

⁷²Hf-178

Cross Section

-48.08 To 9999. %



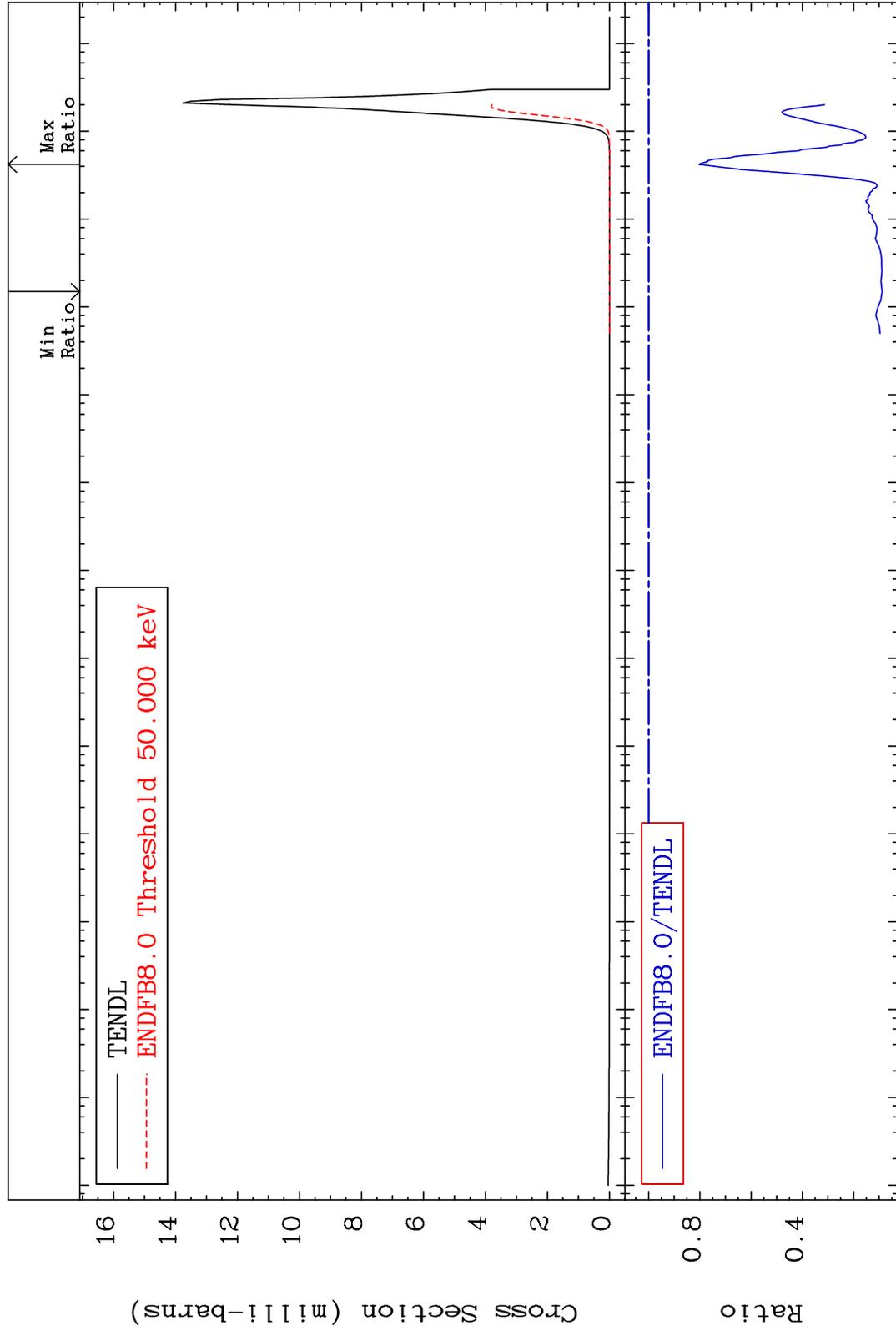
MAT 7237

(n, α)

Cross Section

72-Hf-178

-91.15 To -19.71%



40

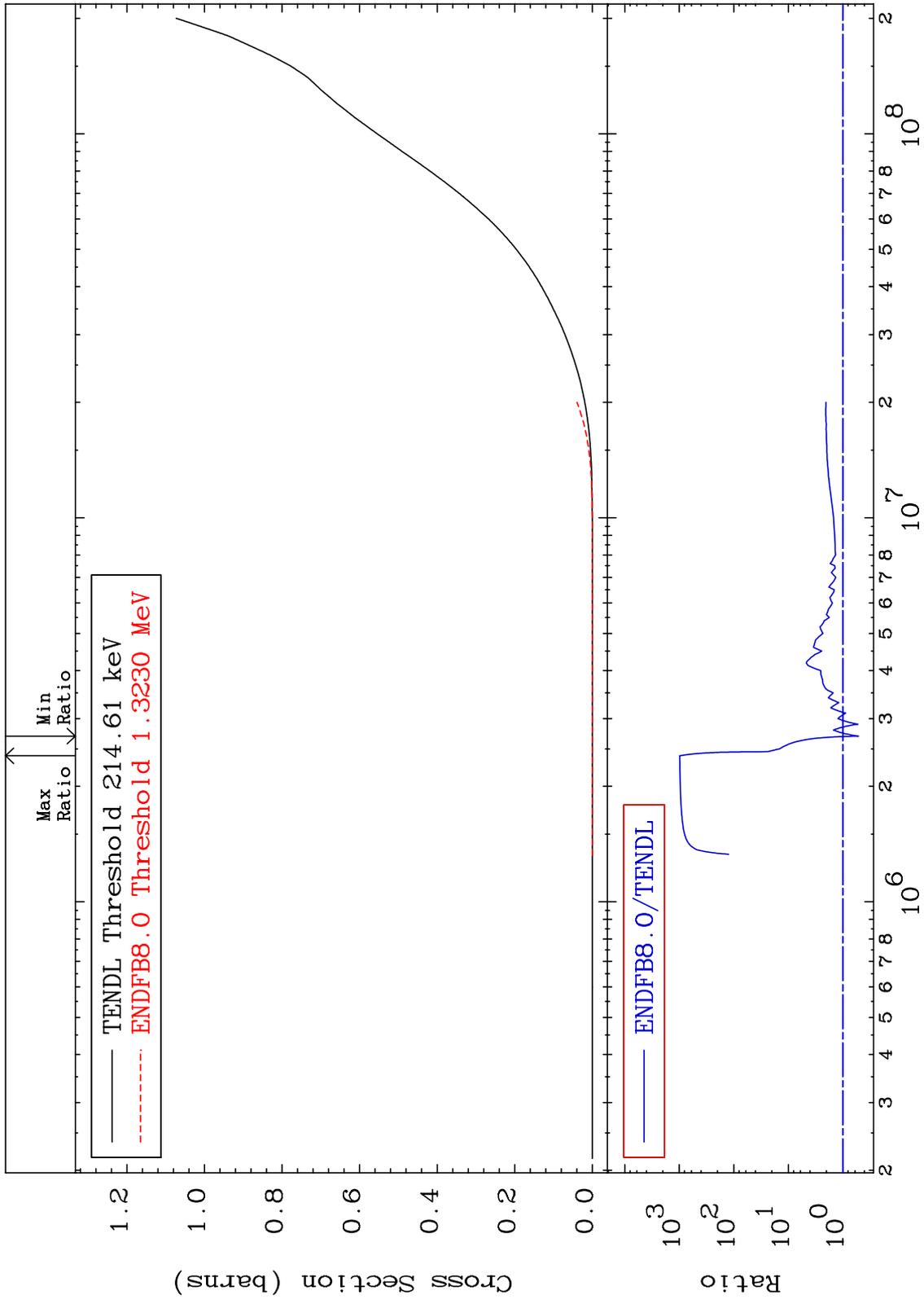
Incident Energy (eV)

72-Hf-178

MAT 7237

Hydrogen Production
Cross Section

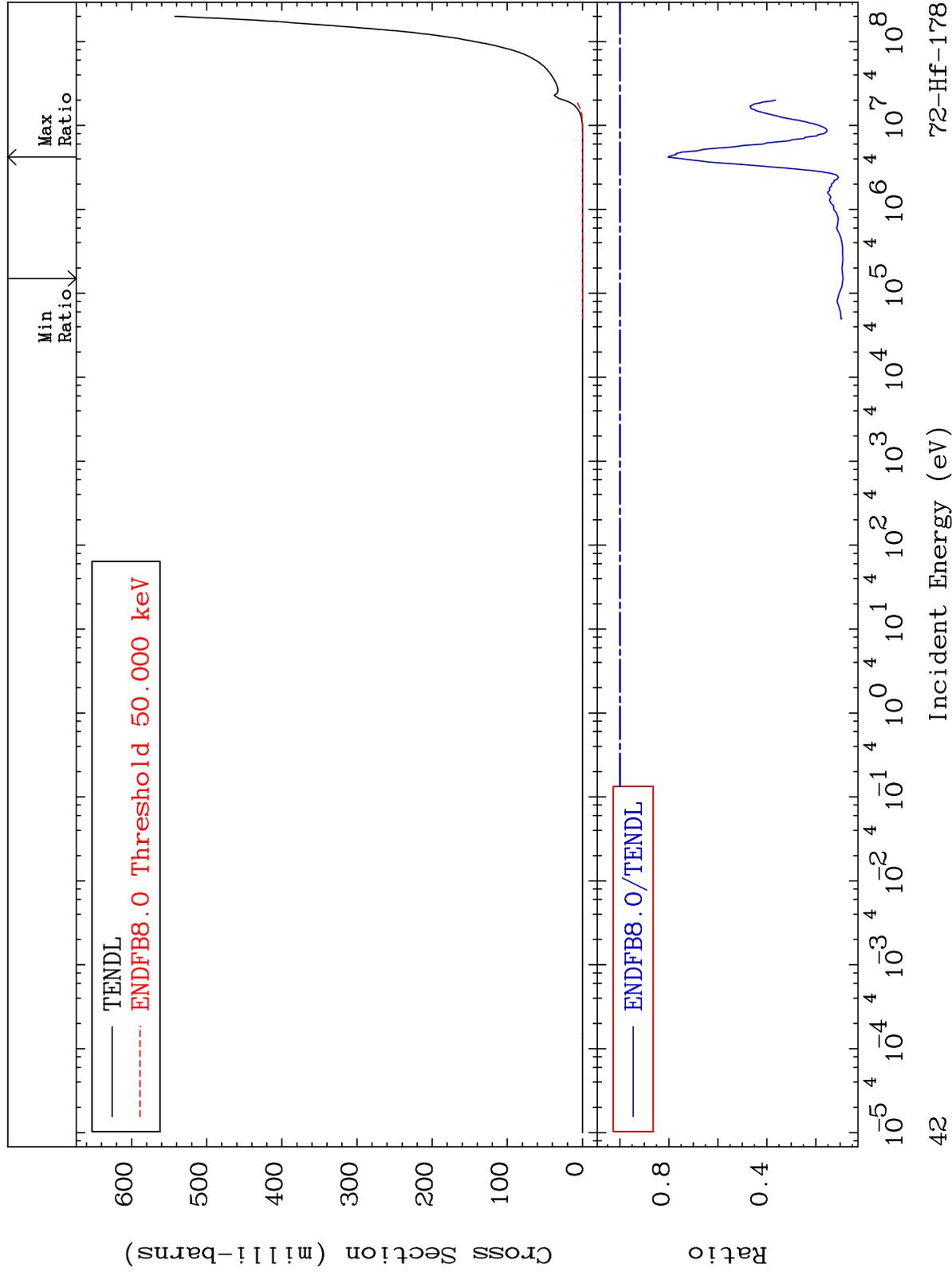
⁷²Hf-178
-48.08 To 9999. %



MAT 7237

He-4 Production
Cross Section

72-Hf-178
-91.15 To -19.71%



72-Hf-178

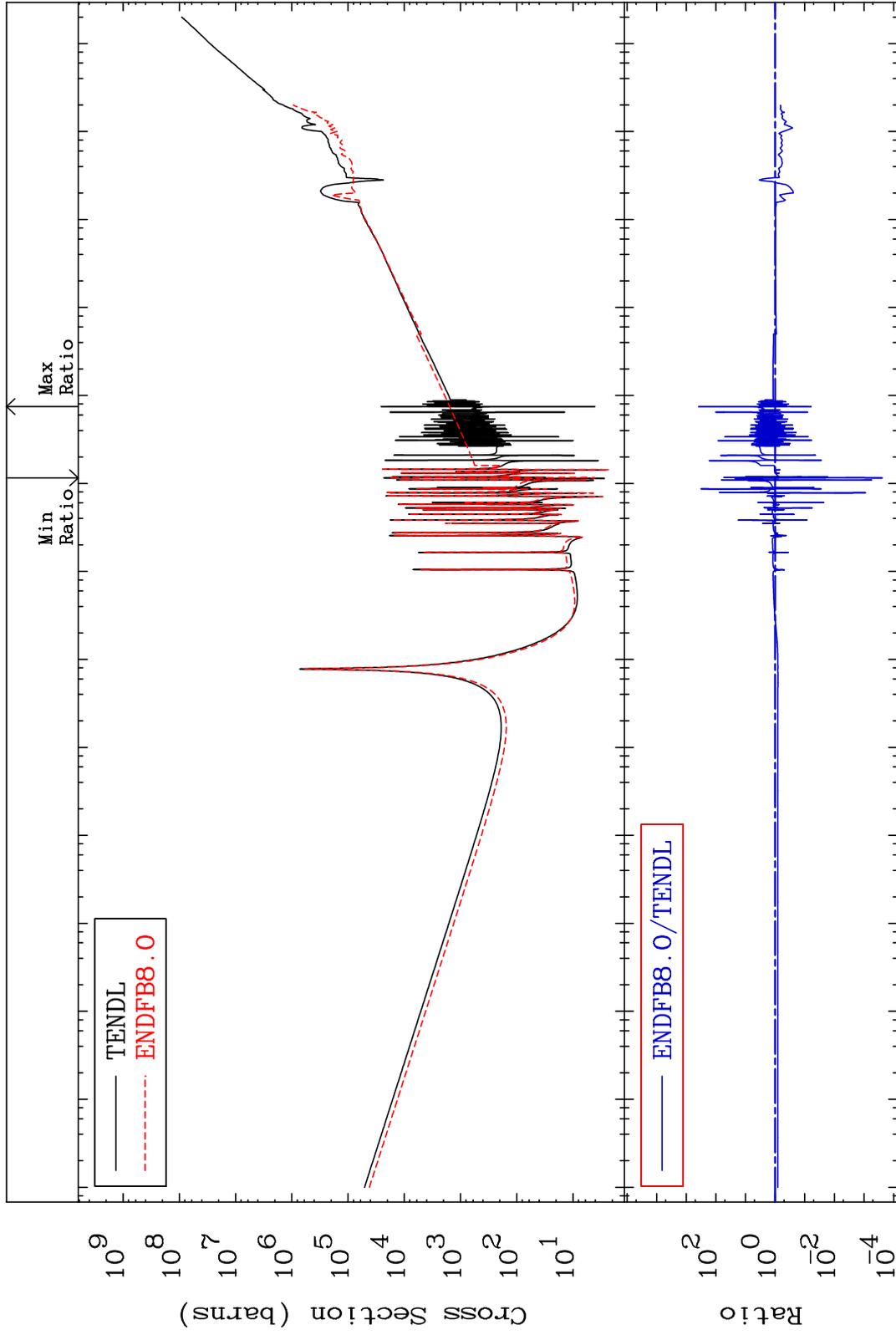
Incident Energy (eV)

42

MAT 7237

Kerma total (eV-barns)
Cross Section

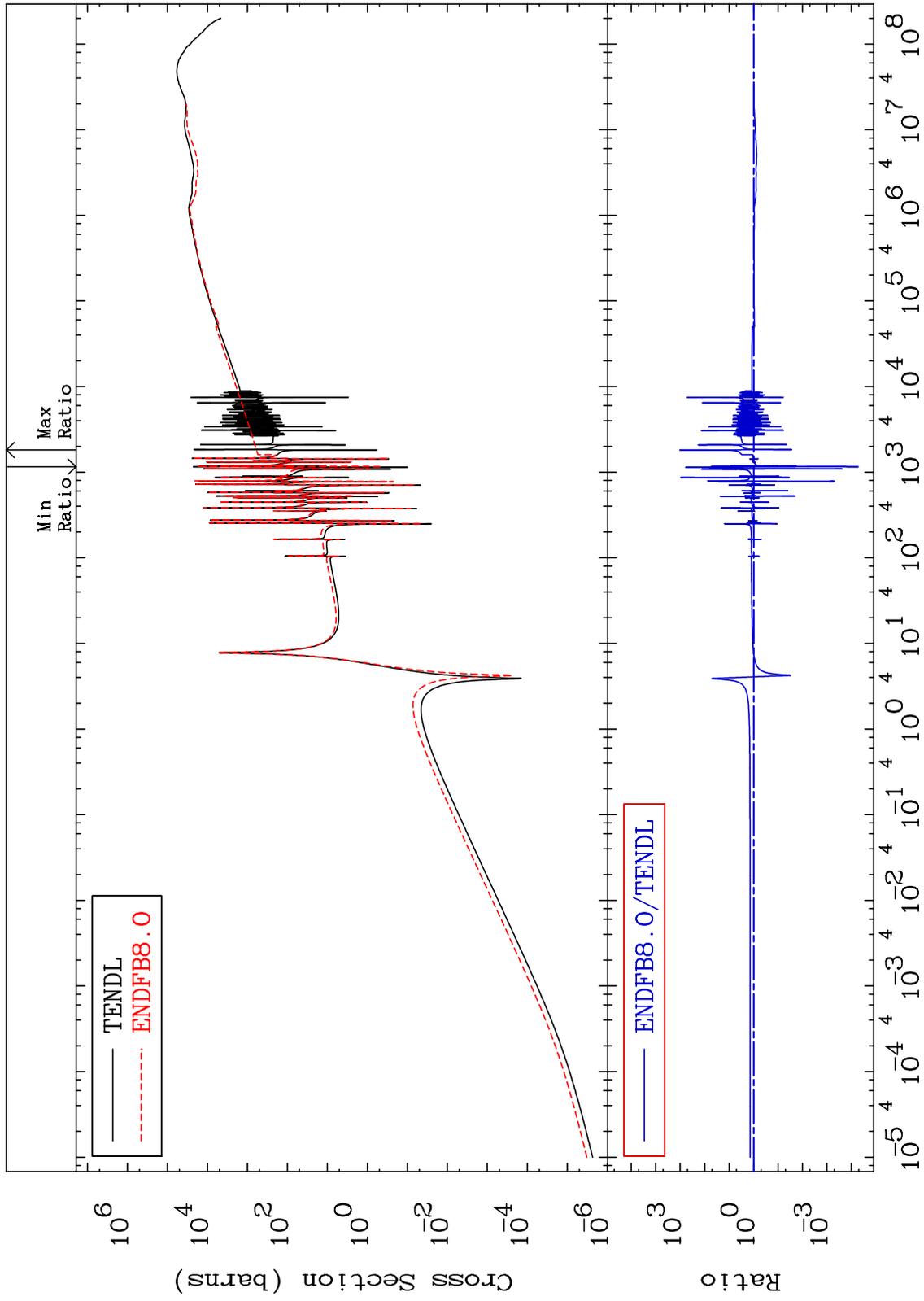
72-Hf-178
-99.98 To 9999. %



MAT 7237

Kerma elastic
Cross Section

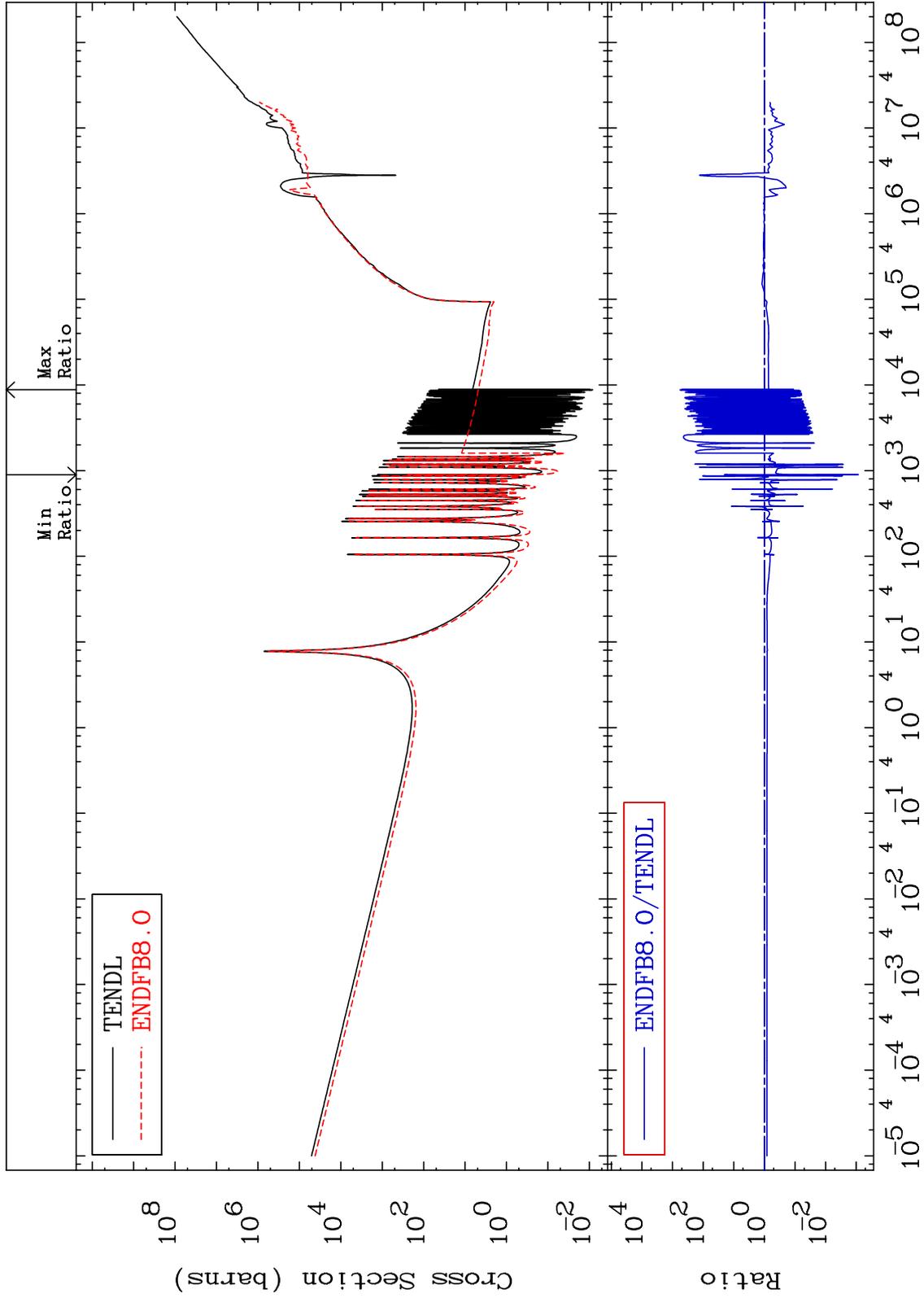
72-Hf-178
-99.99 To 9999. %



MAT 7237

Kerma non-elastic (all but mt2)
Cross Section

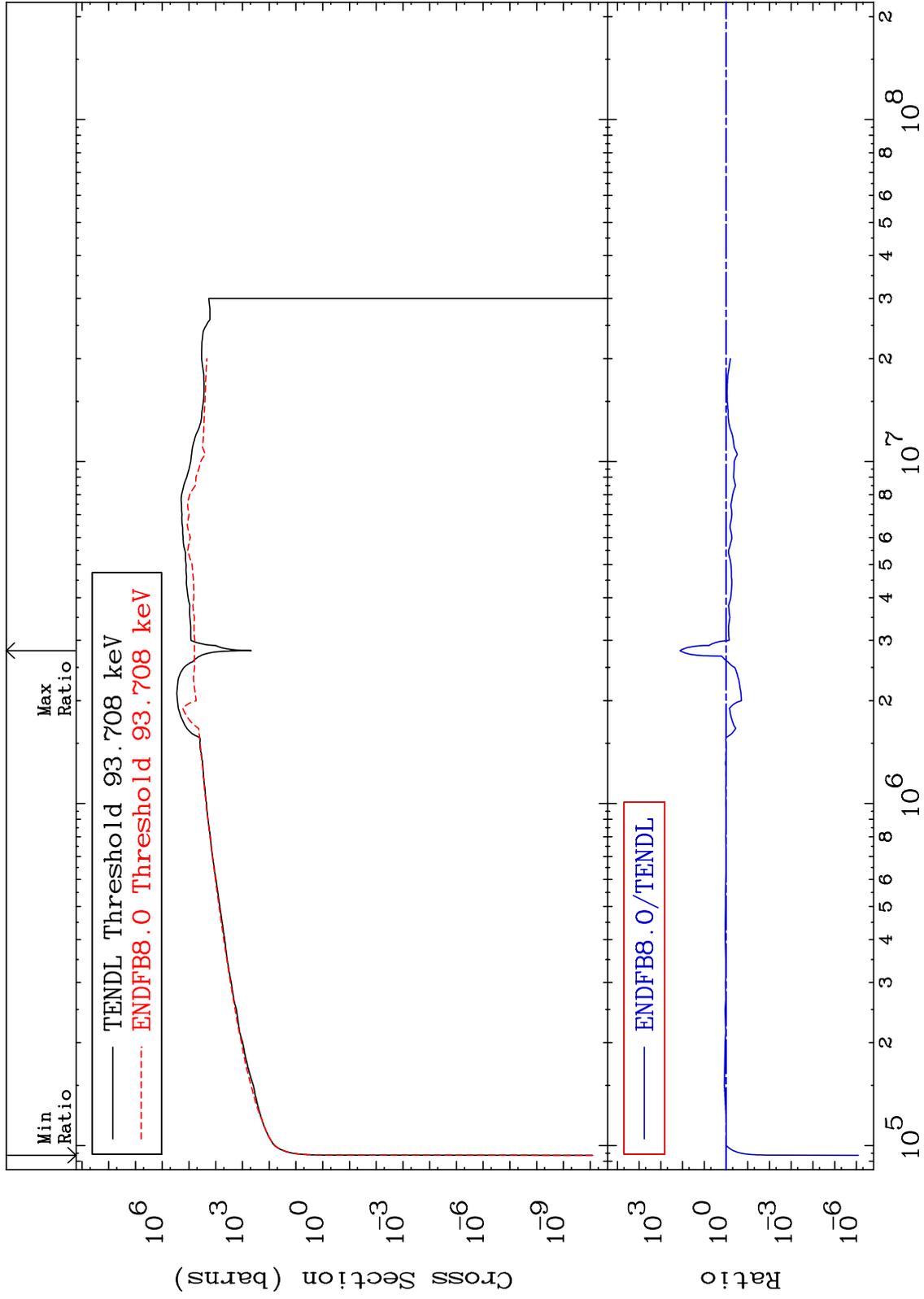
72-Hf-178
-99.92 To 9999. %



MAT 7237

Kerma inelastic (mt51-91)
Cross Section

72-Hf-178
-100.0 To 9999. %



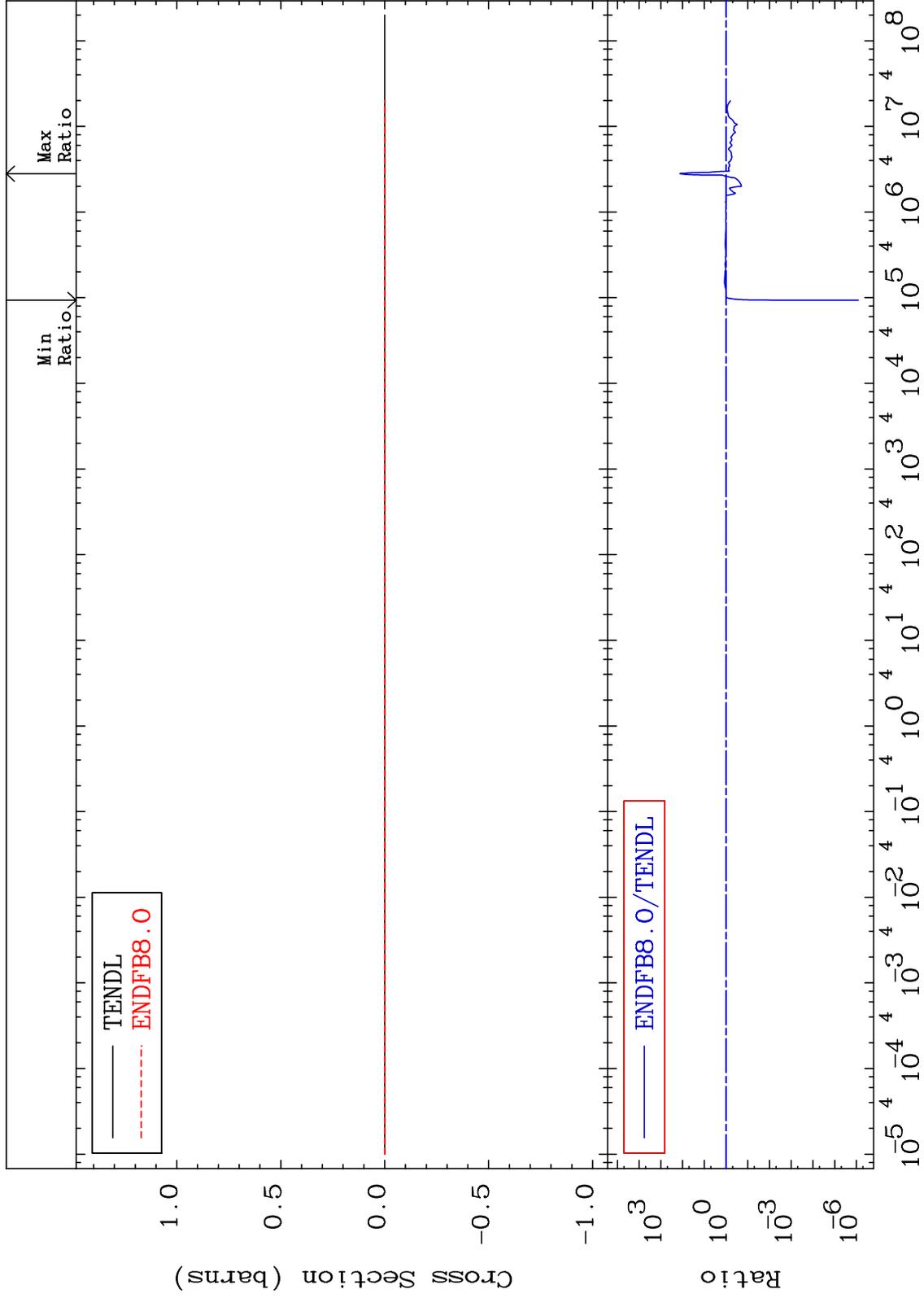
46

72-Hf-178

MAT 7237

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

72-Hf-178
-100.0 To 9999. %



47

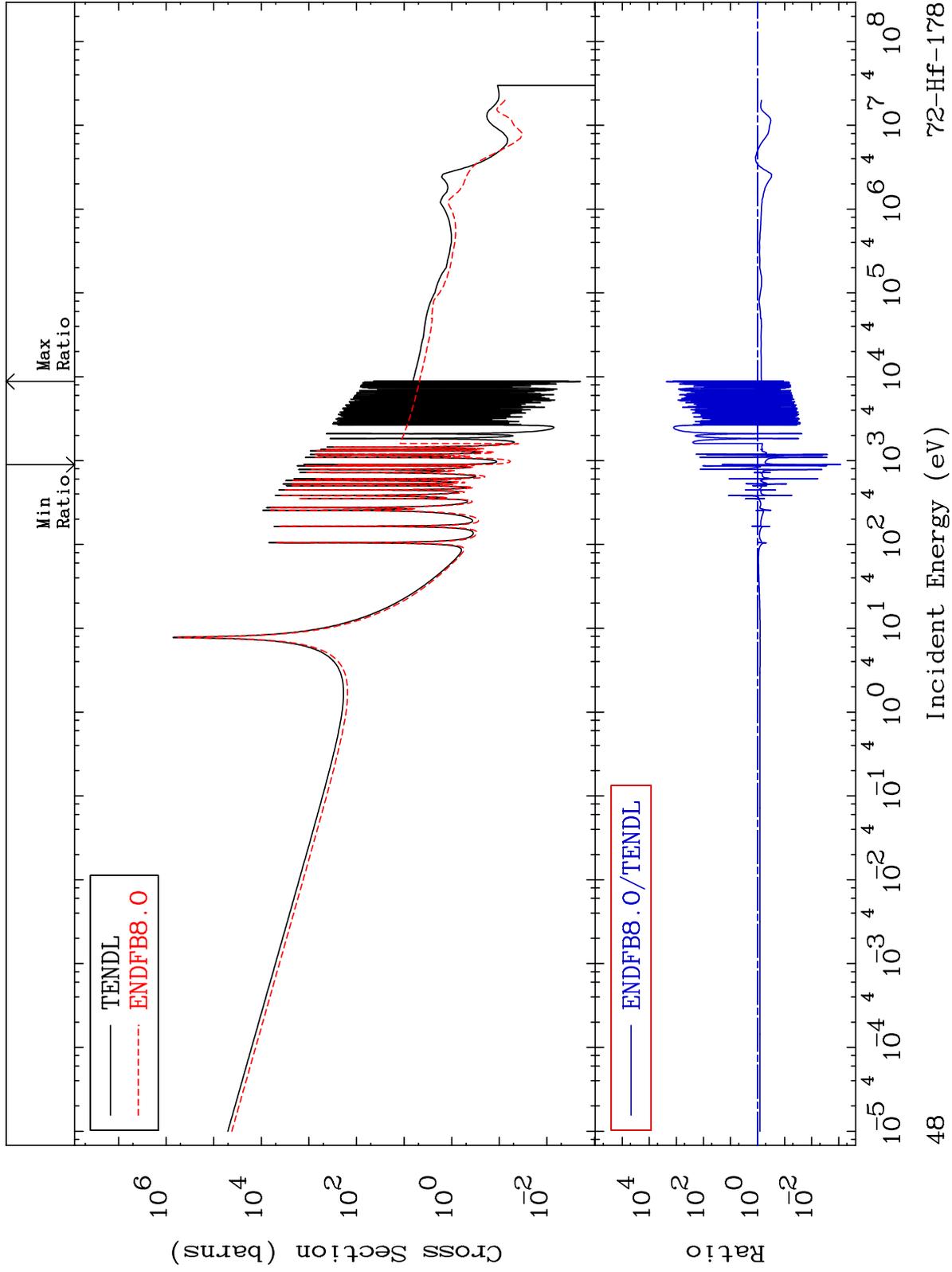
Incident Energy (eV)

72-Hf-178

MAT 7237

Kerma capture (mt102)
Cross Section

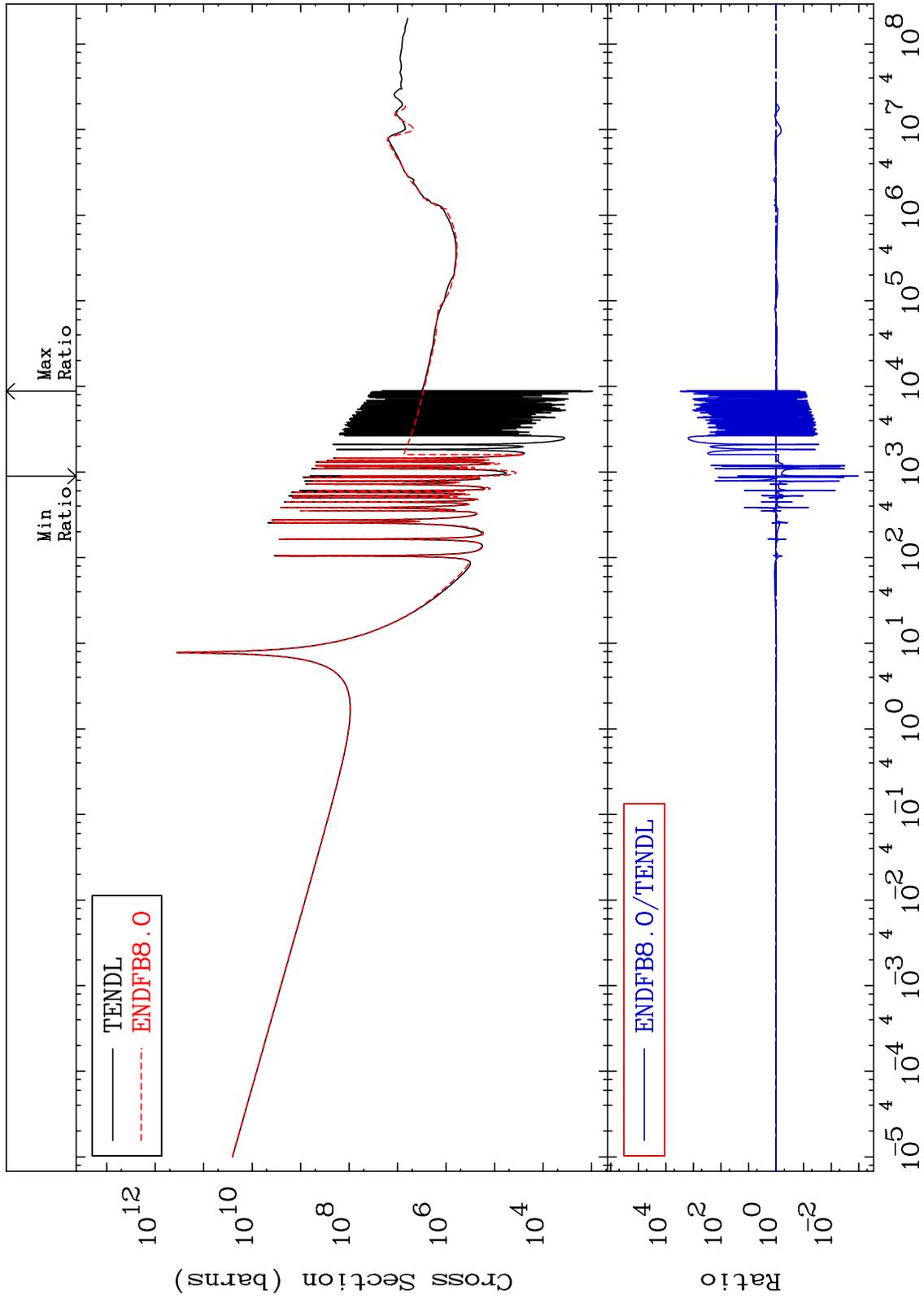
72-Hf-178
-99.92 To 9999. %



MAT 7237

Total photon (eV-barns)
Cross Section

72-Hf-178
-99.90 To 9999. %



49

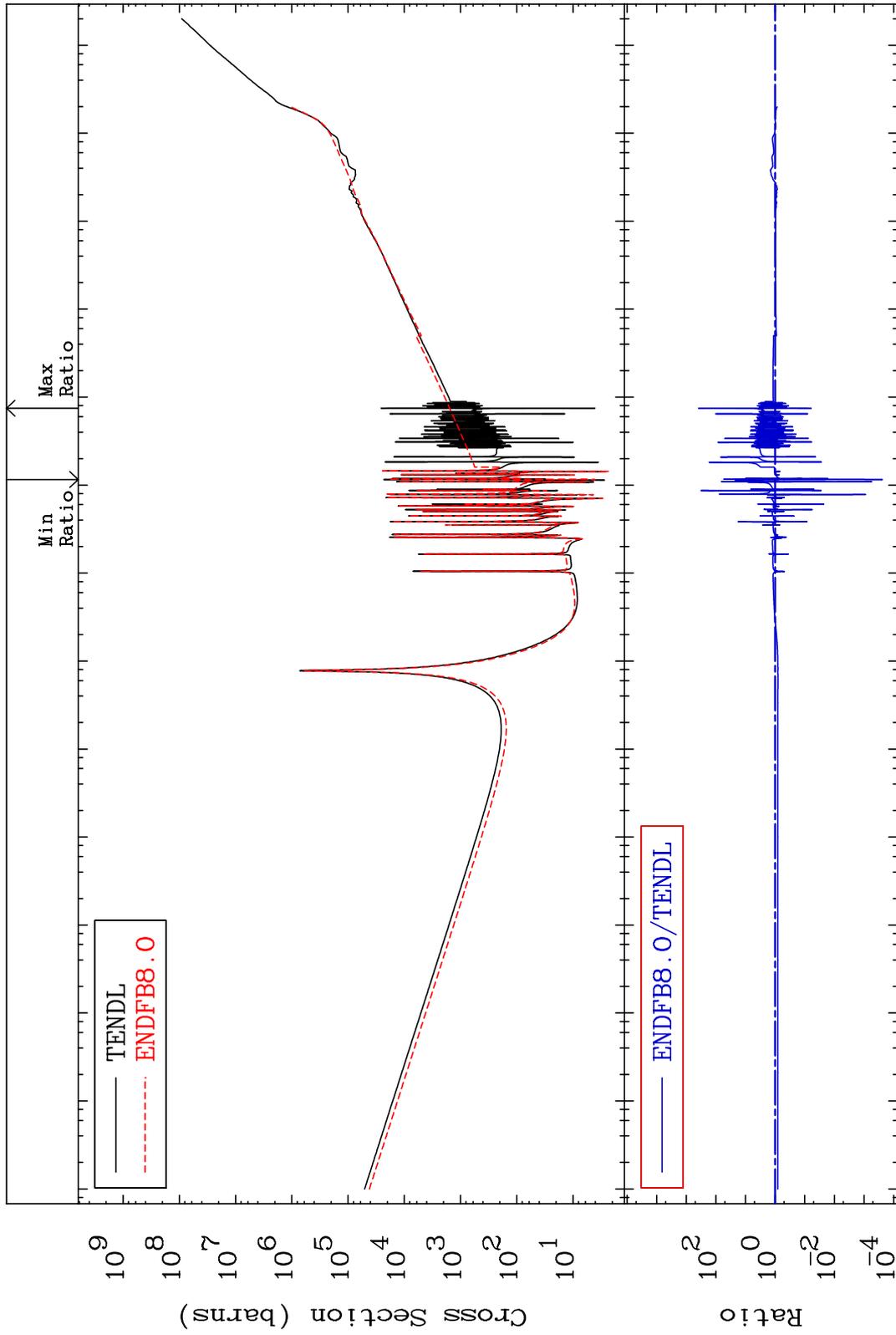
Incident Energy (eV)

72-Hf-178

MAT 7237

Total kinematic kerma (high limit)
Cross Section

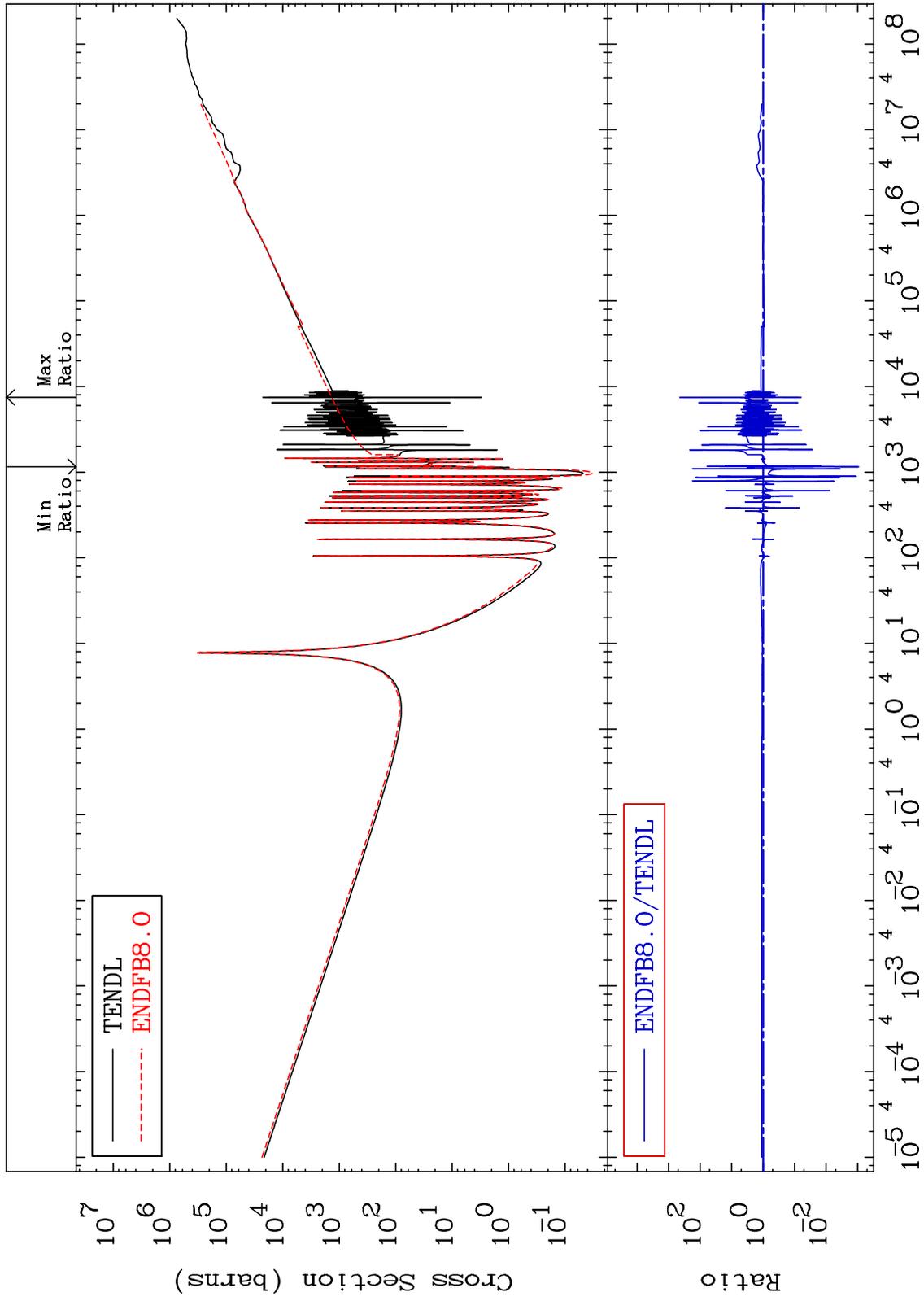
72-Hf-178
-99.98 To 9999. %



MAT 7237

Dpa total (eV-barns)
Cross Section

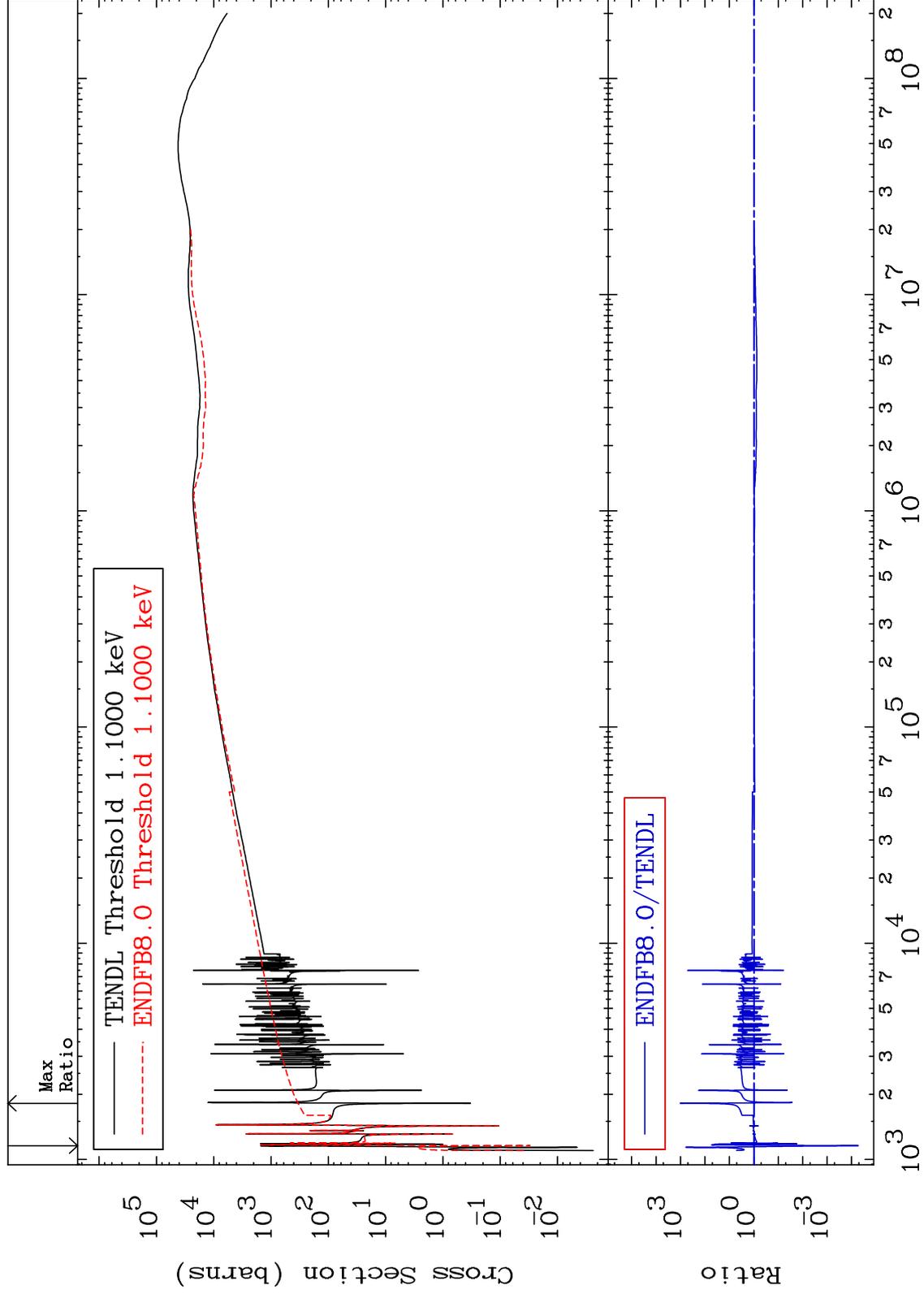
72-Hf-178
-99.91 To 9999. %



MAT 7237

Dpa elastic (mt2)
Cross Section

72-Hf-178
-99.99 To 9999. %



52

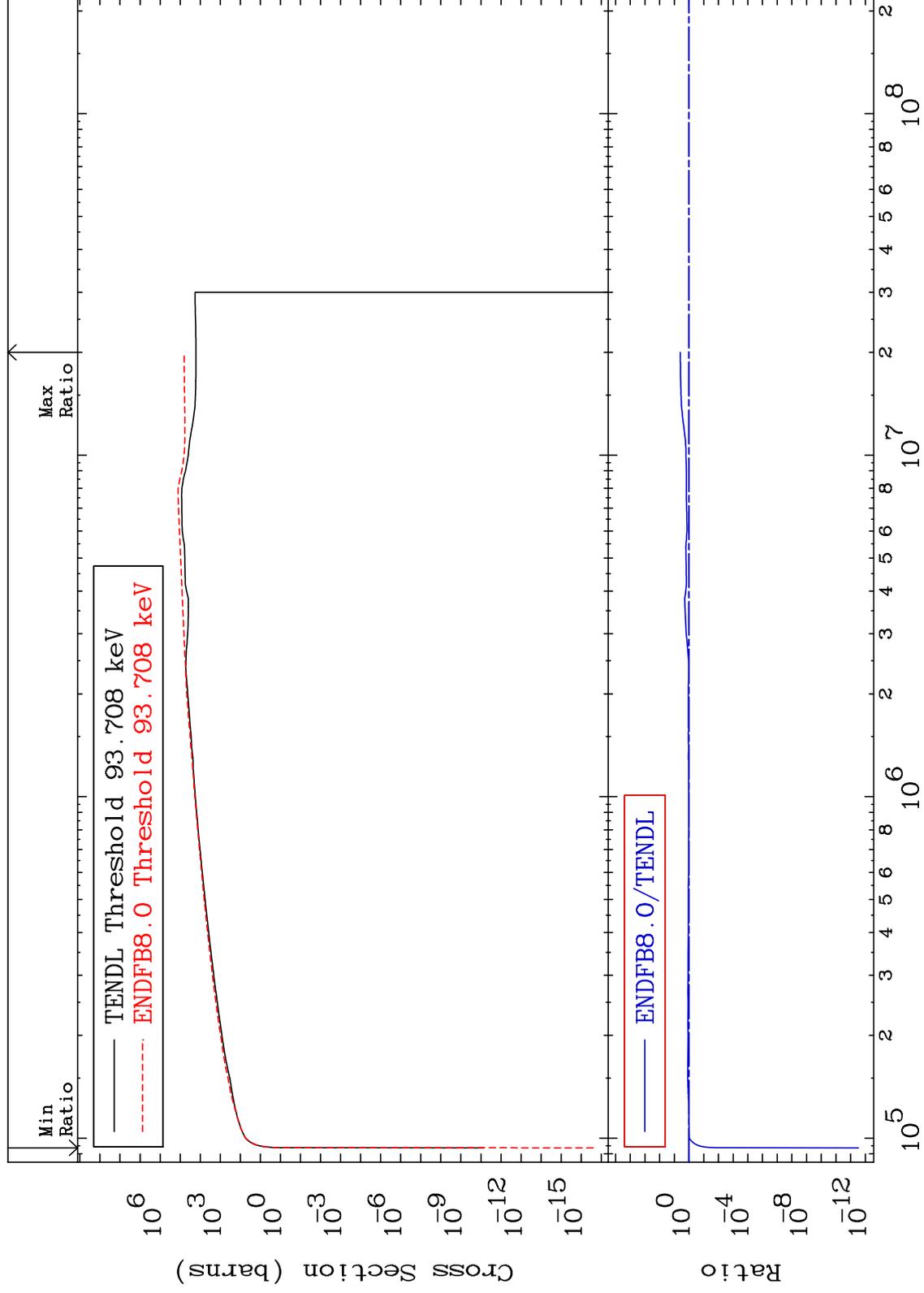
Incident Energy (eV)

72-Hf-178

MAT 7237

Dpa inelastic (mt51-91)
Cross Section

72-Hf-178
-100.0 To 289.4 %



53

72-Hf-178

MAT 7237

Dpa disappearance (mt102 -120)
Cross Section

72-Hf-178
-99.89 To 9999. %

