

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

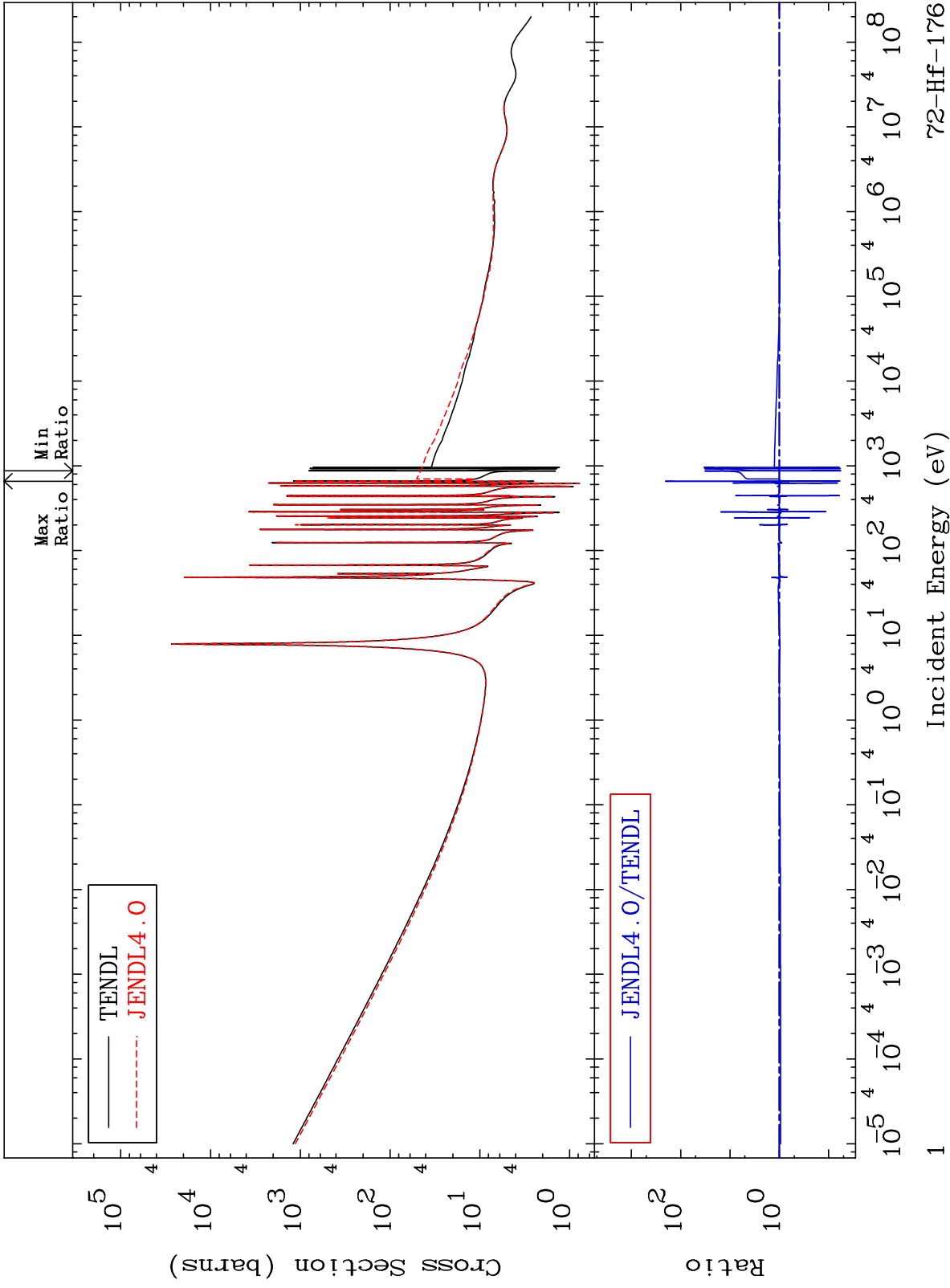
MAT 7231

Total

72-Hf-176

-94.27 To 9999. %

Cross Section

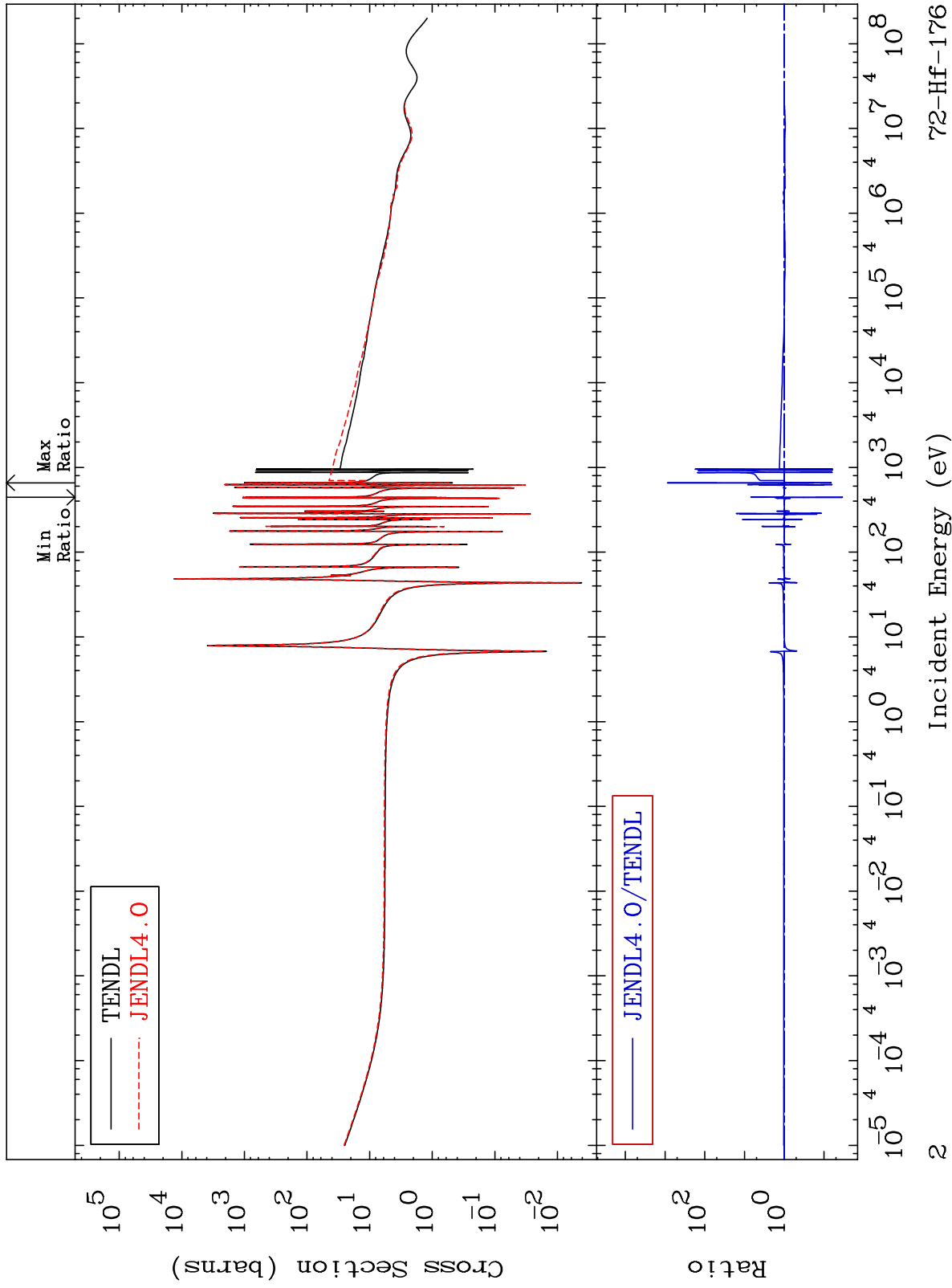


MAT 7231

Elastic

72-Hf-176

Cross Section
-96.62 To 9999. %



72-Hf-176

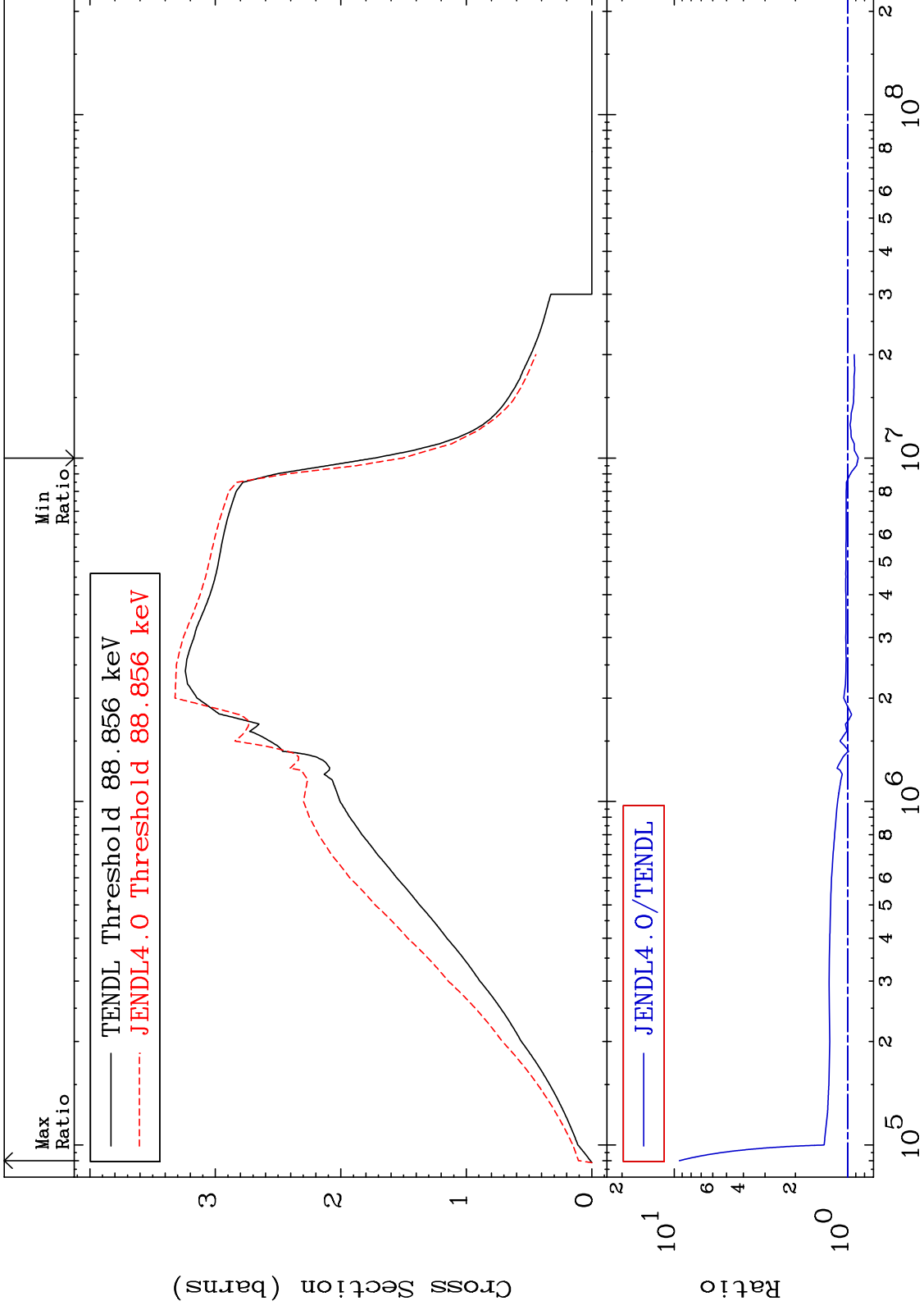
MAT 7231

Inelastic

⁷²Hf-176

Cross Section

-12.99 To 834.5 %



Incident Energy (eV)

⁷²Hf-176

3

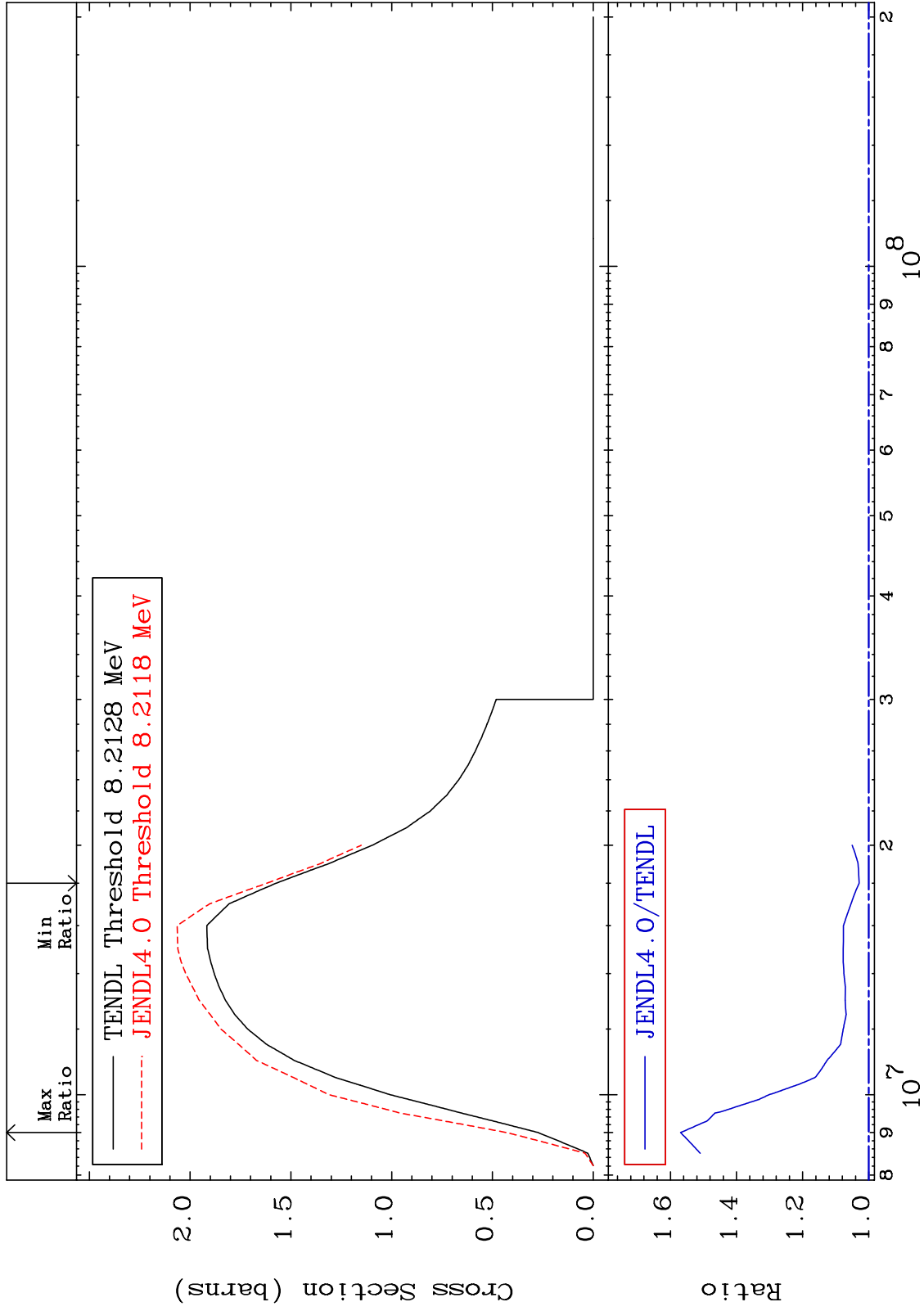
MAT 7231

(n, 2n)

72-Hf-176

Cross Section

2.907 To 56.91 %



4

Incident Energy (eV)

72-Hf-176

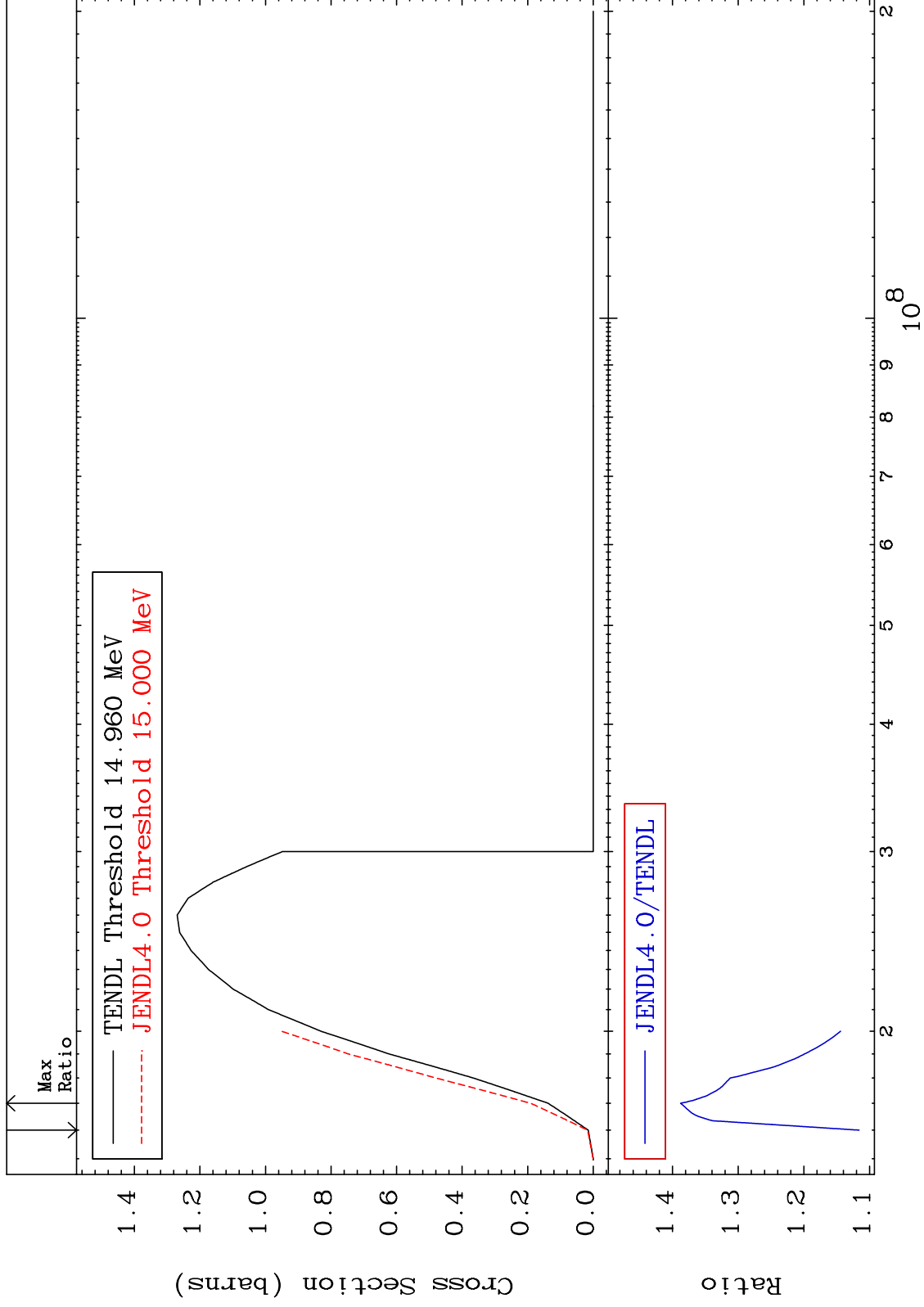
MAT 7231

(n, 3n)

72-Hf-176

Cross Section

11.59 To 38.77 %



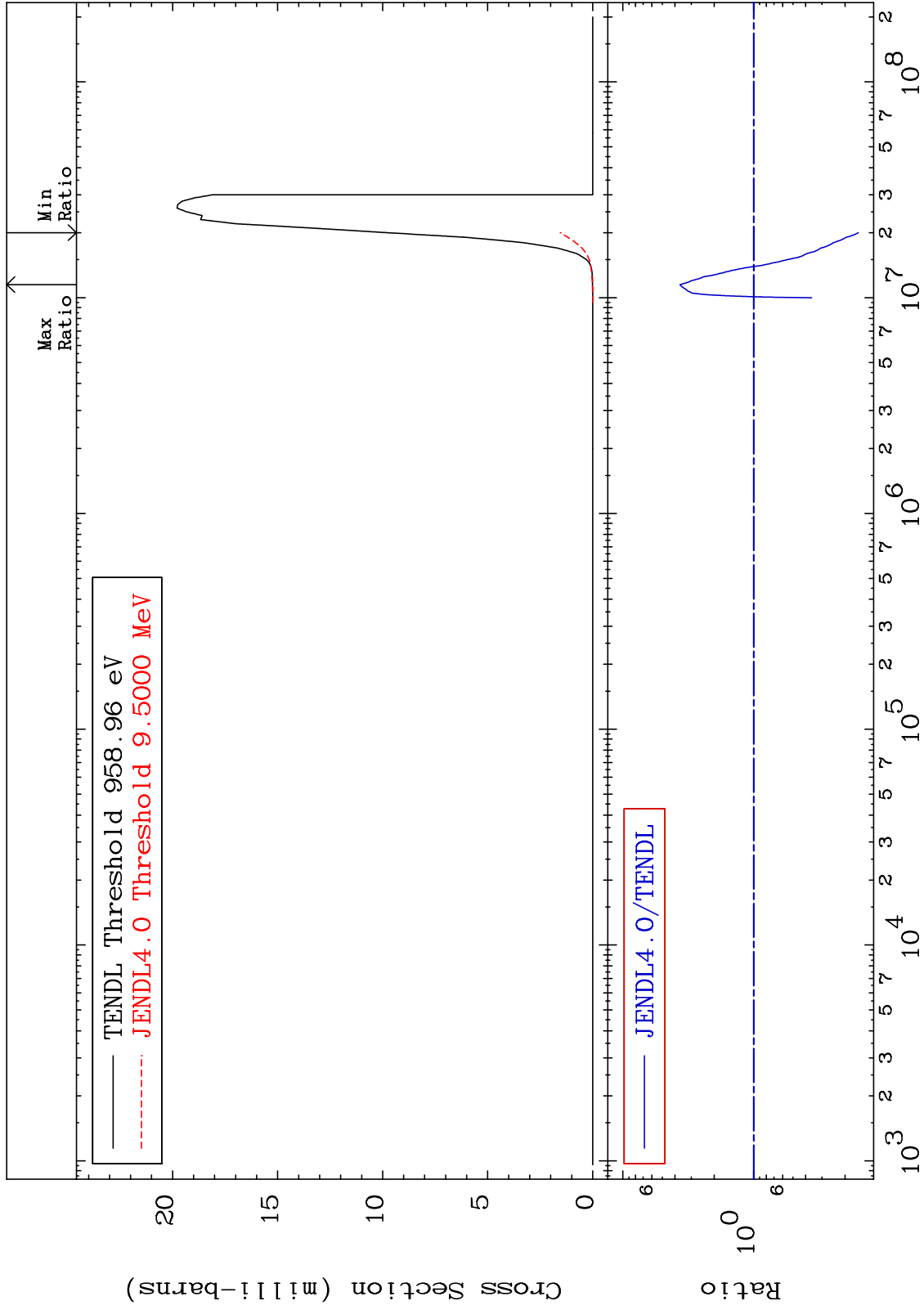
MAT 7231

(n, n') α

Cross Section

72-Hf-176

-84.19 To 265.7 %



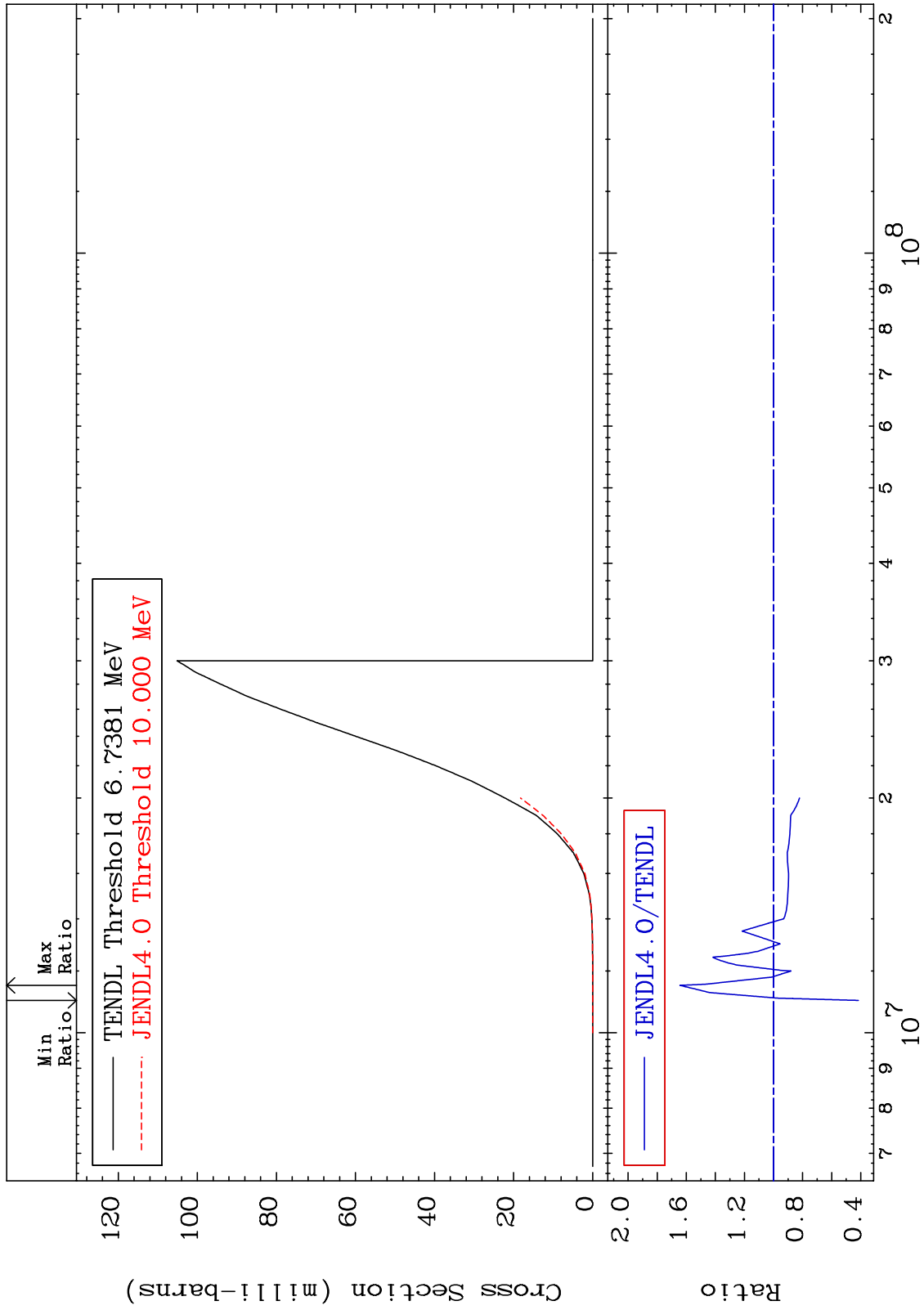
Incident Energy (eV)

72-Hf-176

MAT 7231

(n,n') p
Cross Section

72-Hf-176
-58.40 To 64.30 %



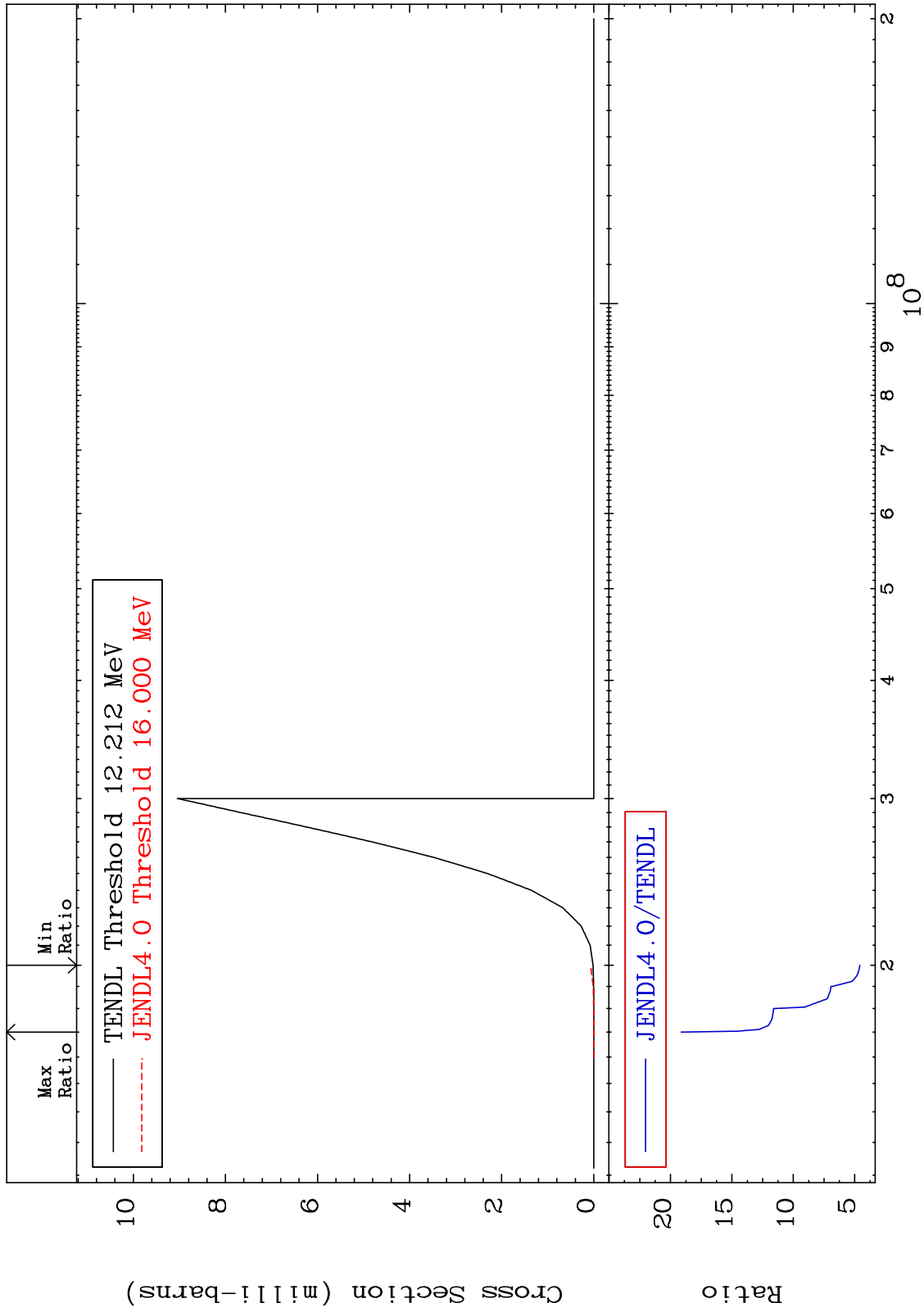
MAT 7231

(n,n') d

72-Hf-176

Cross Section

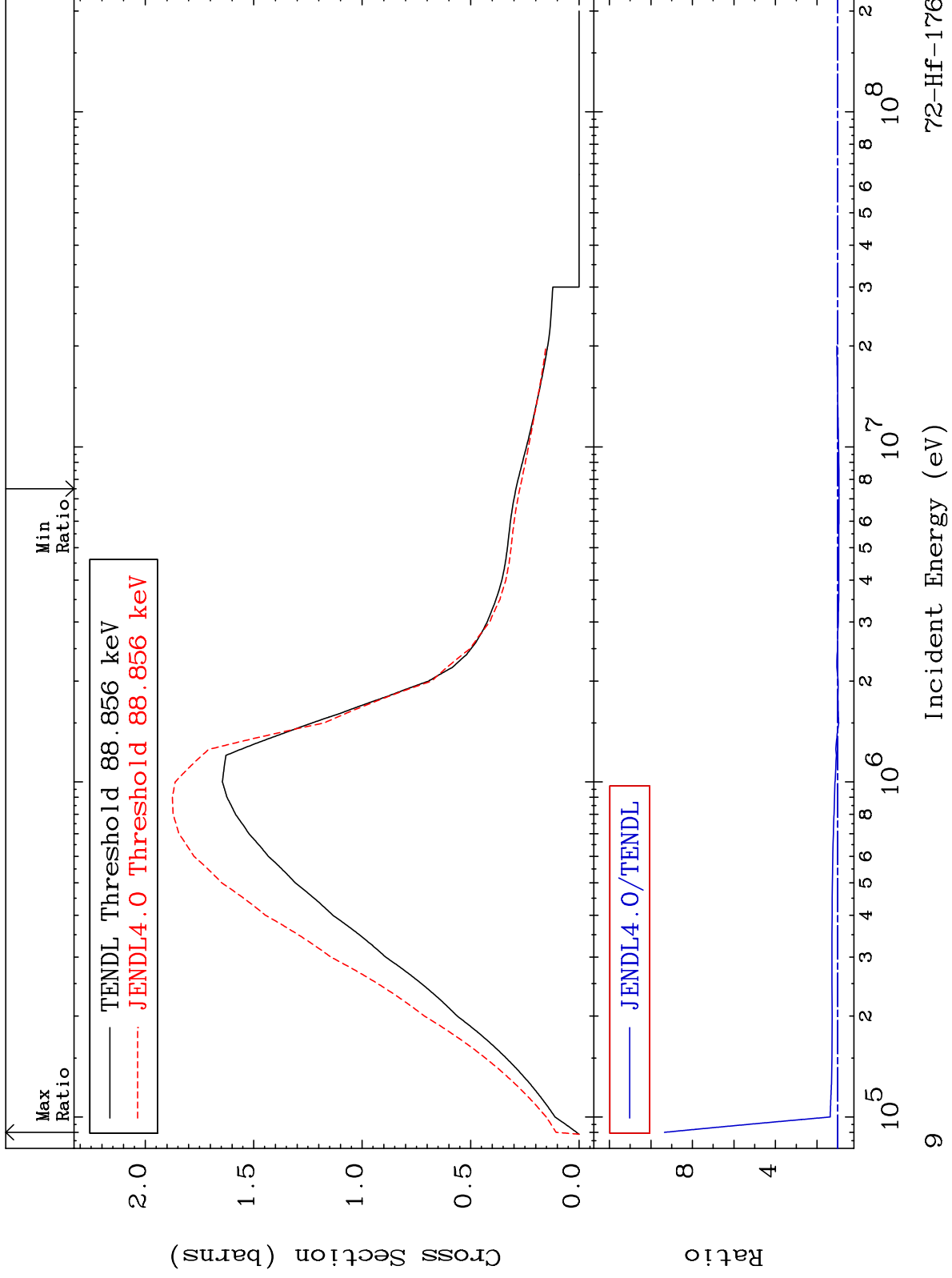
357.5 To 1813. %



MAT 7231

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

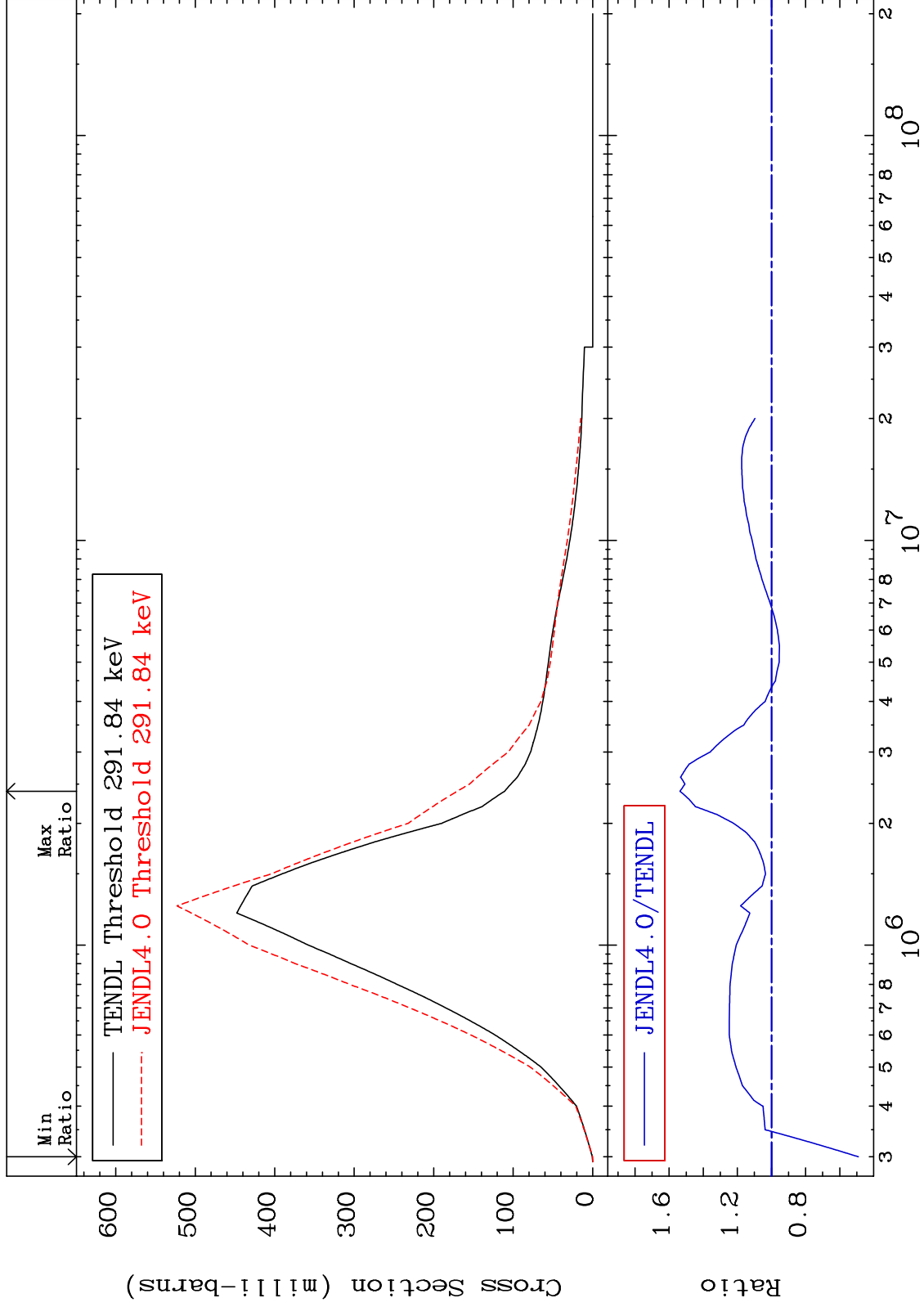
72-Hf-176
-6.059 To 834.5 %



MAT 7231

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

72-Hf-176
-50.94 To 53.61 %



10

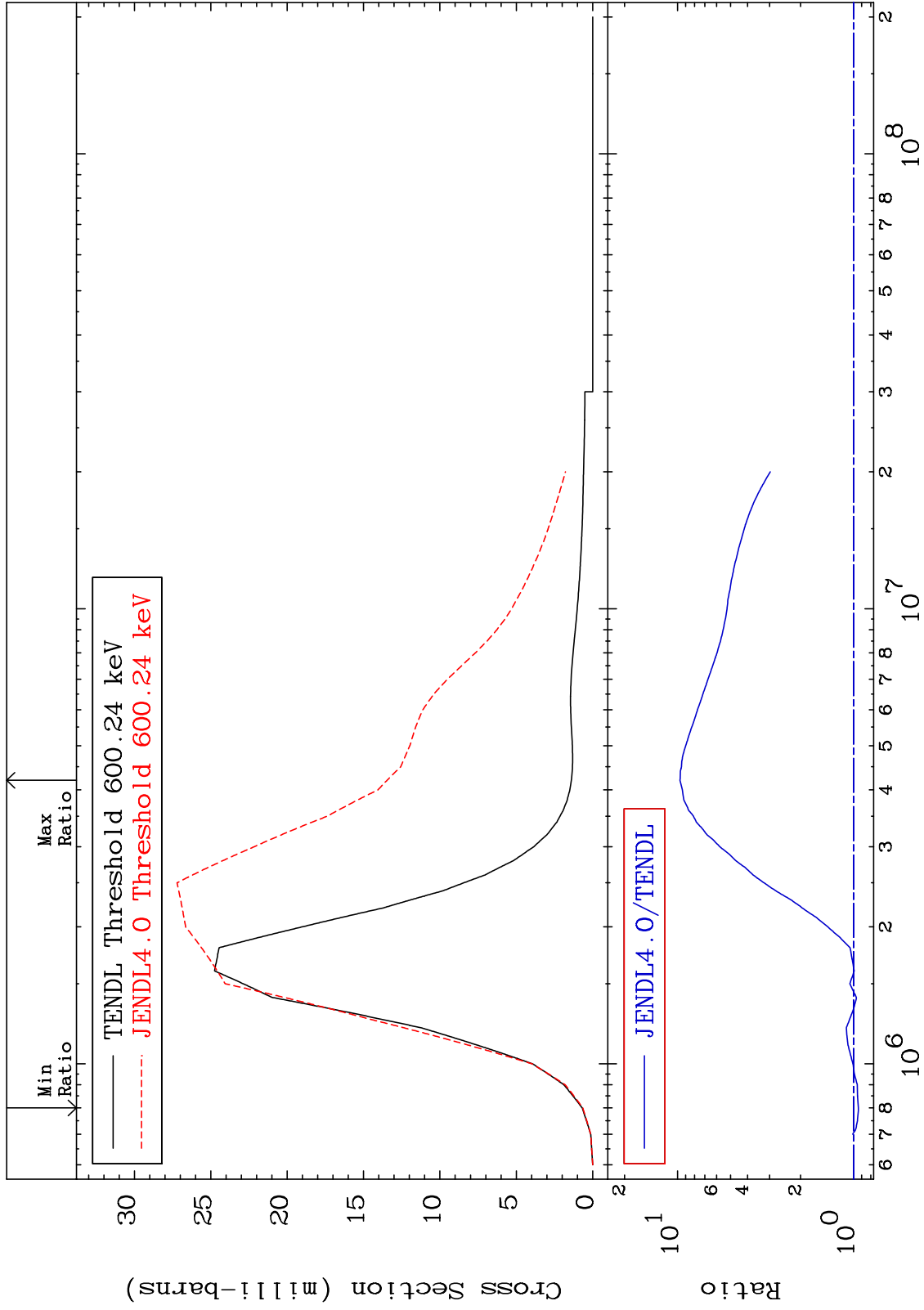
Incident Energy (eV)

72-Hf-176

MAT 7231

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

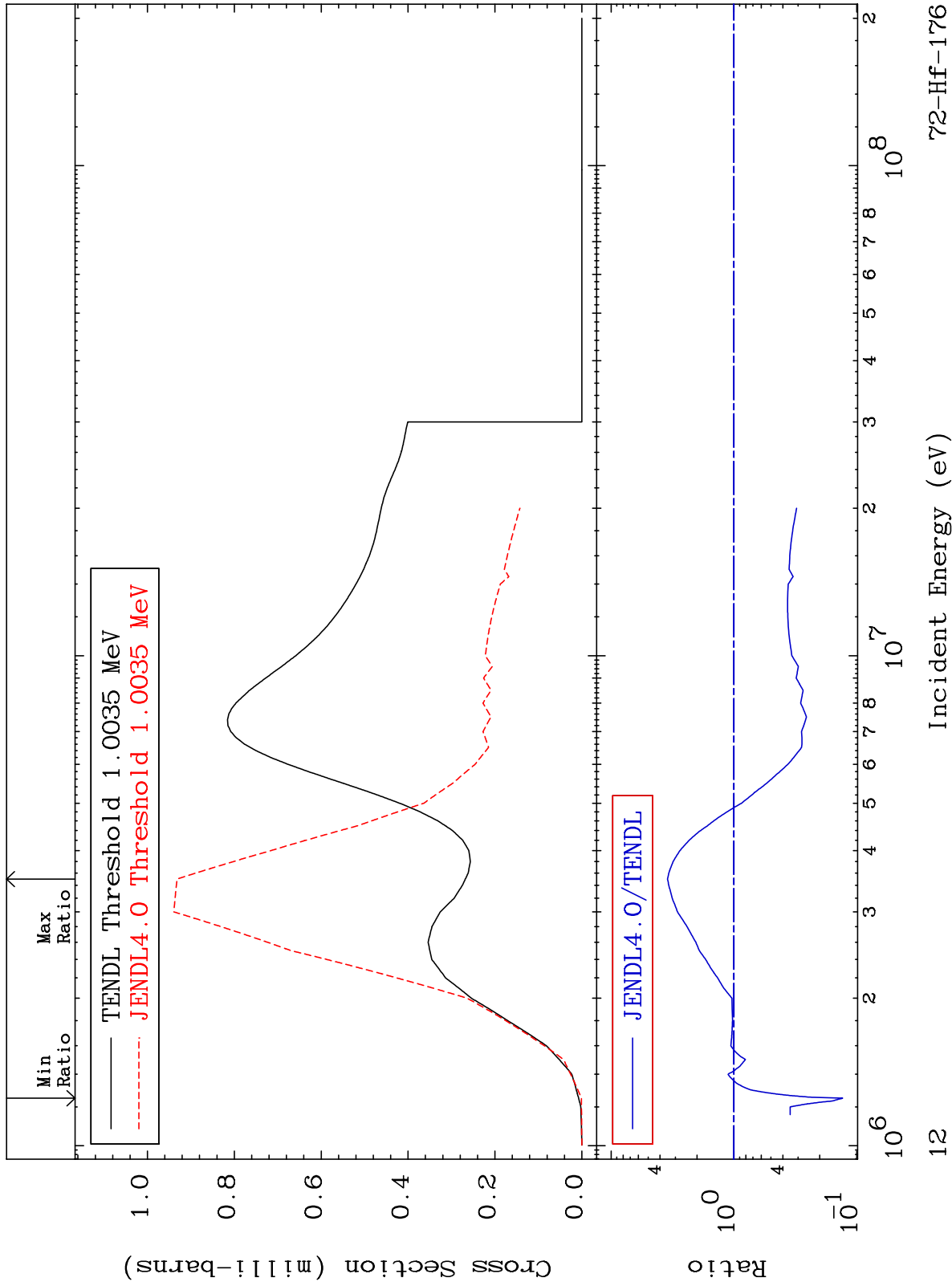
72-Hf-176
-6.069 To 868.0 %



MAT 7231

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

72-Hf-176
-86.99 To 247.3 %



Incident Energy (eV)

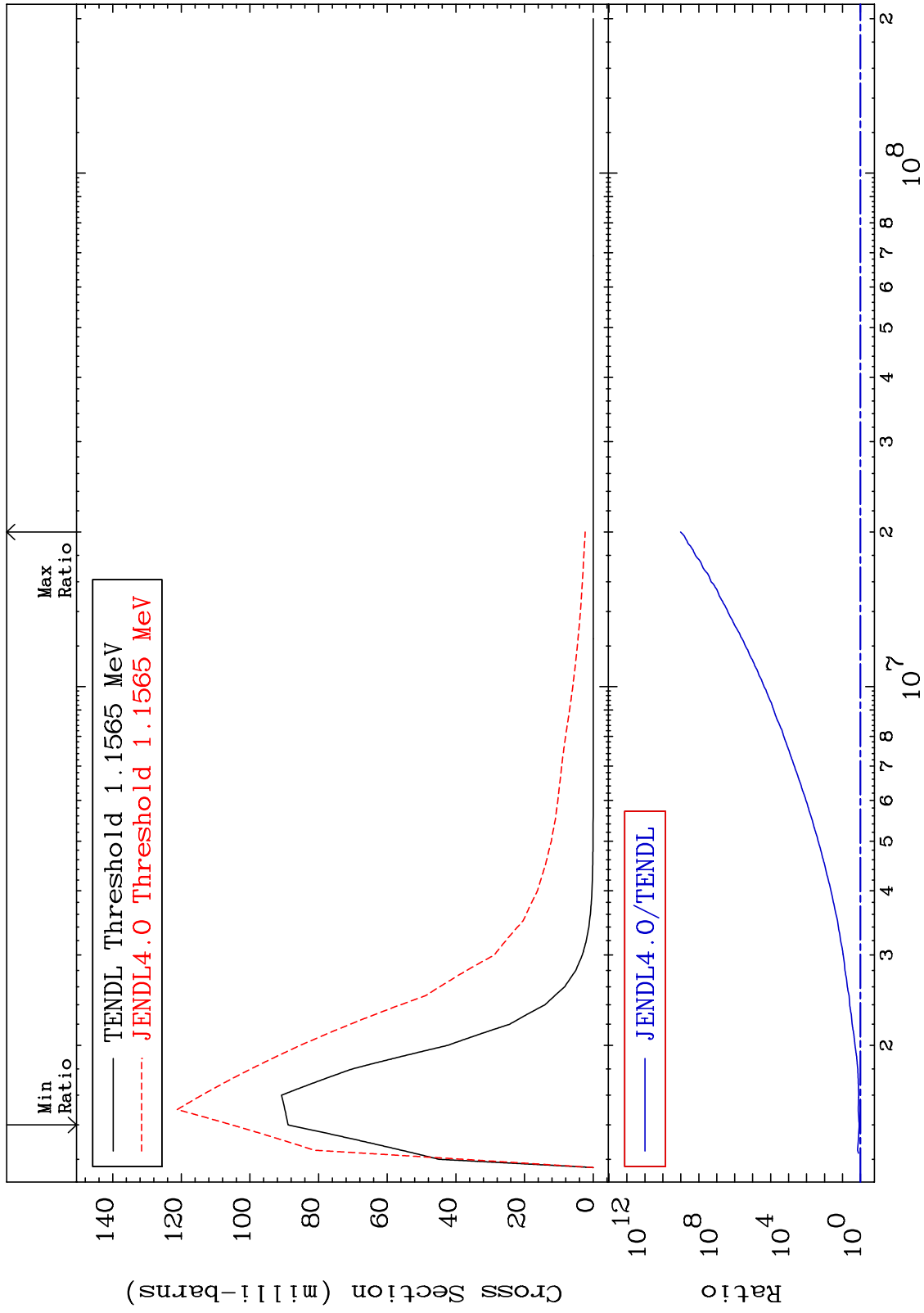
72-Hf-176

12

MAT 7231

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

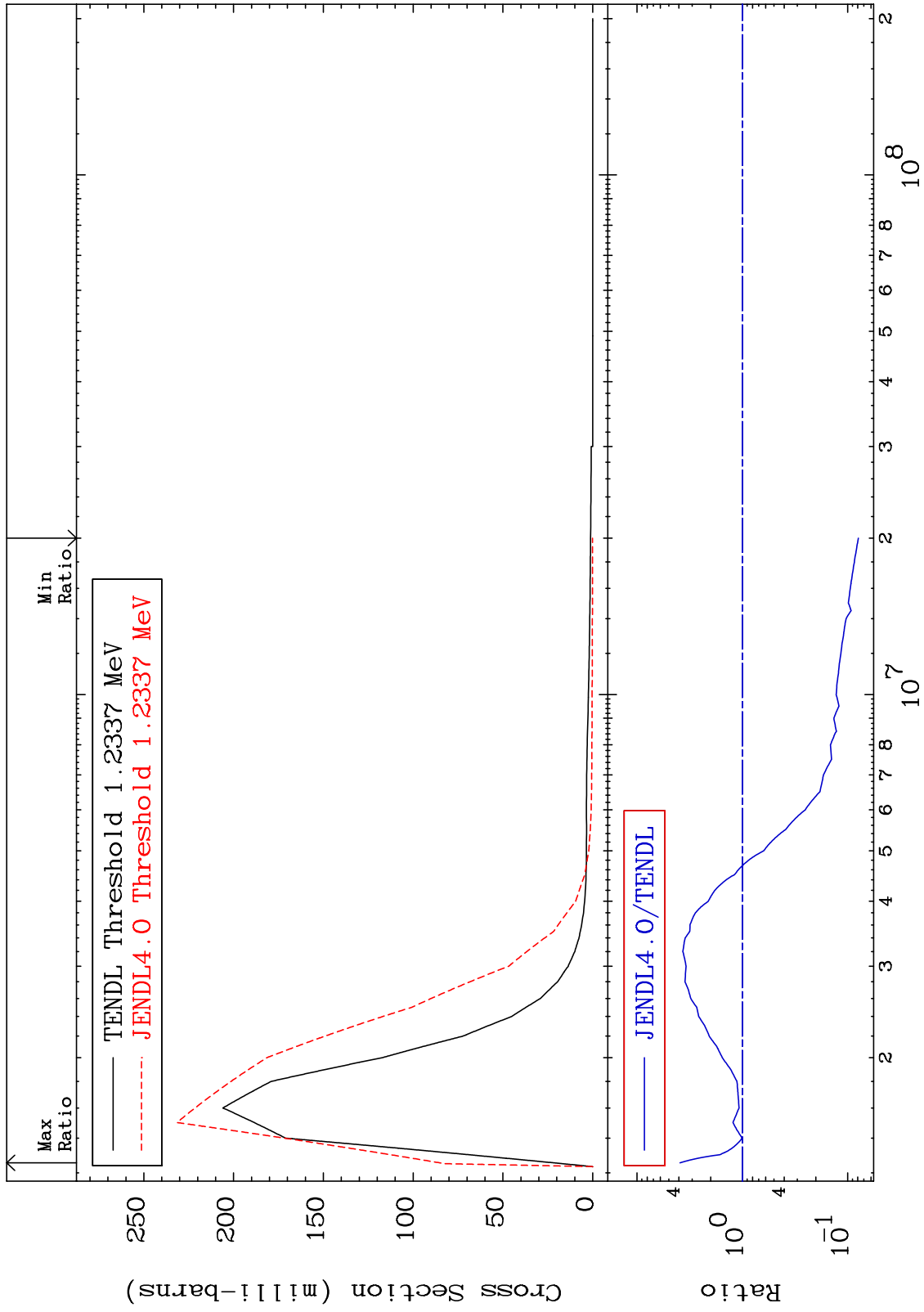
72-Hf-176
18.40 To 9999. %



MAT 7231

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

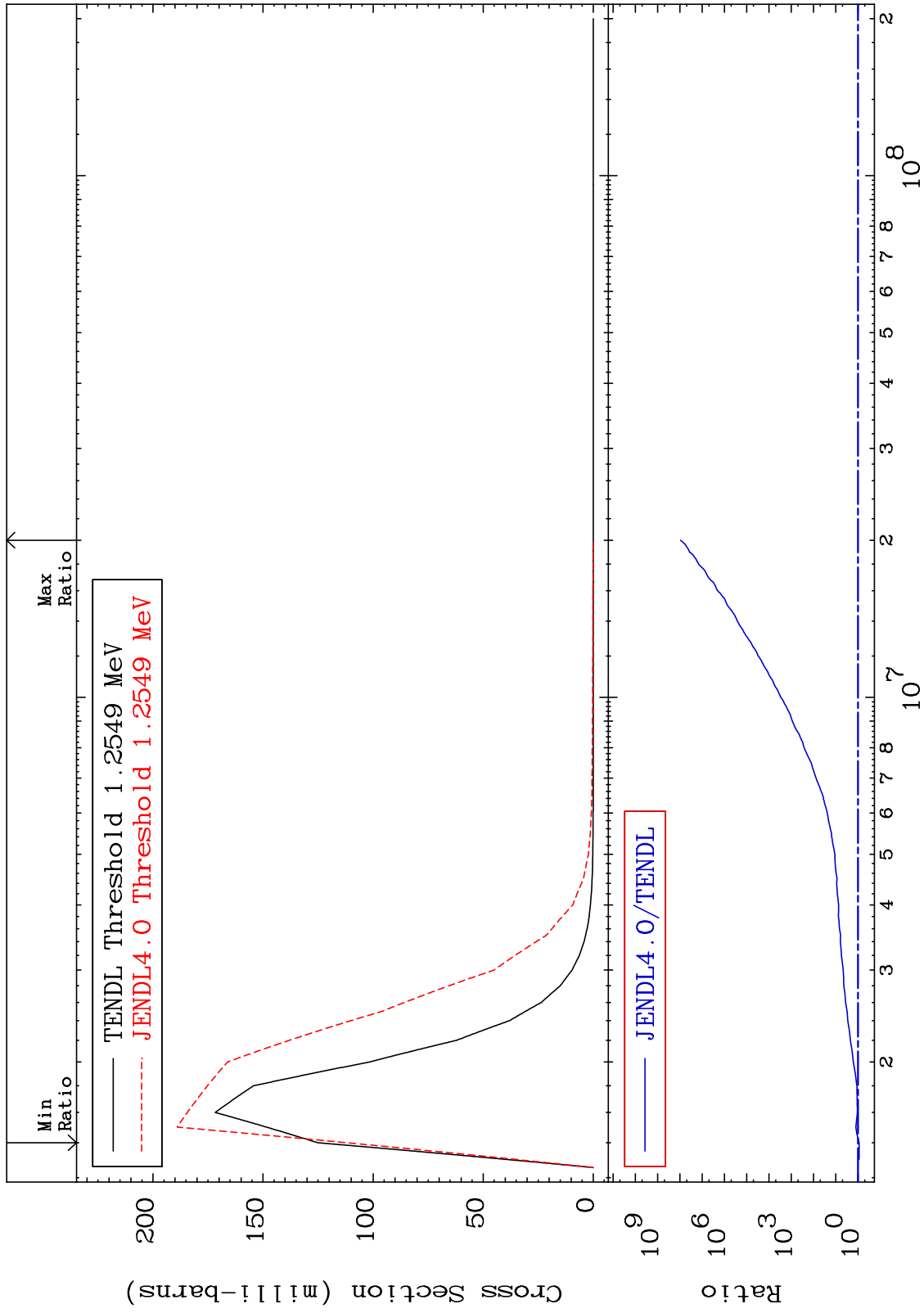
72-Hf-176
-92.10 To 290.8 %



MAT 7231

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

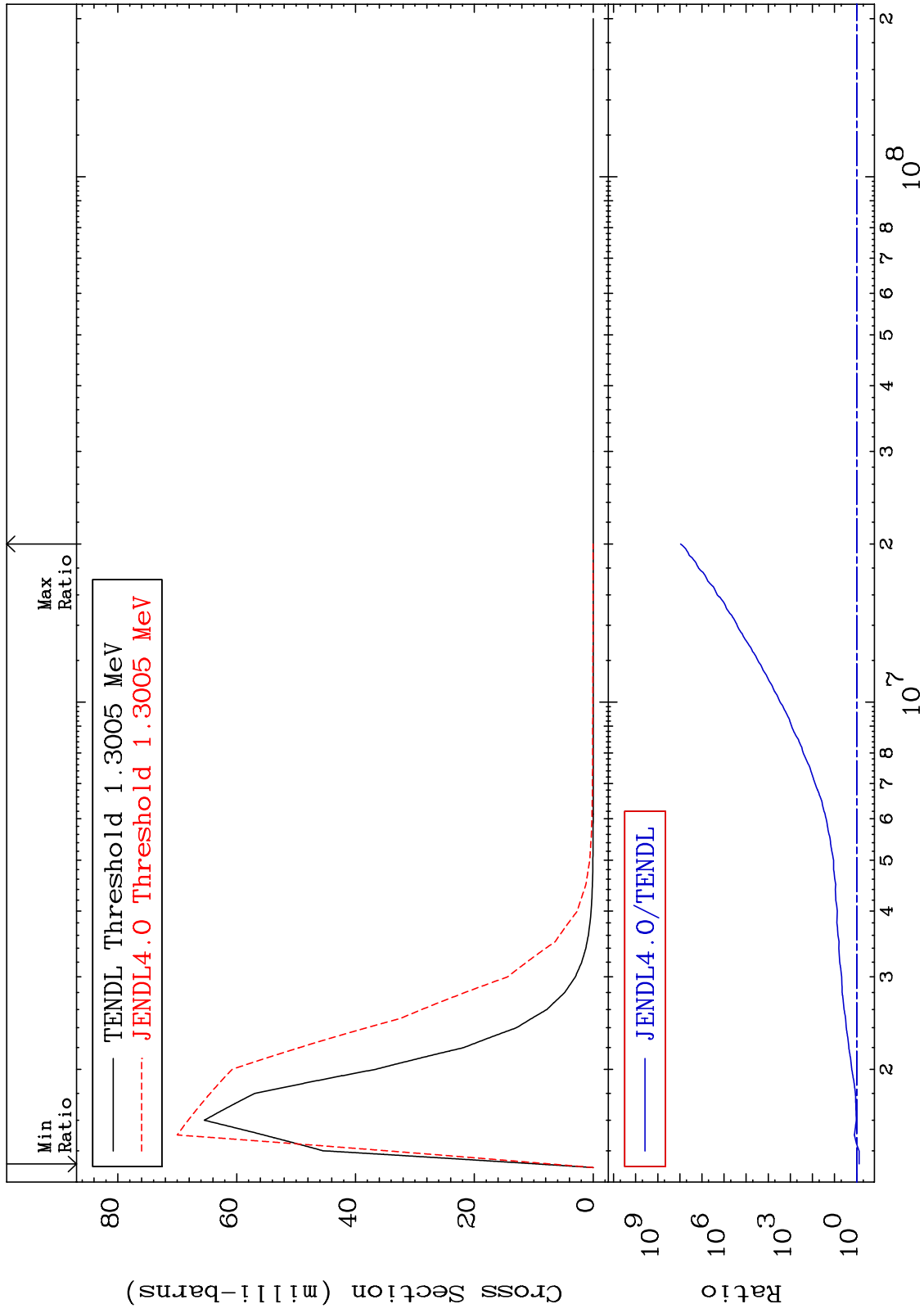
72-Hf-176
-10.60 To 9999. %



MAT 7231

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

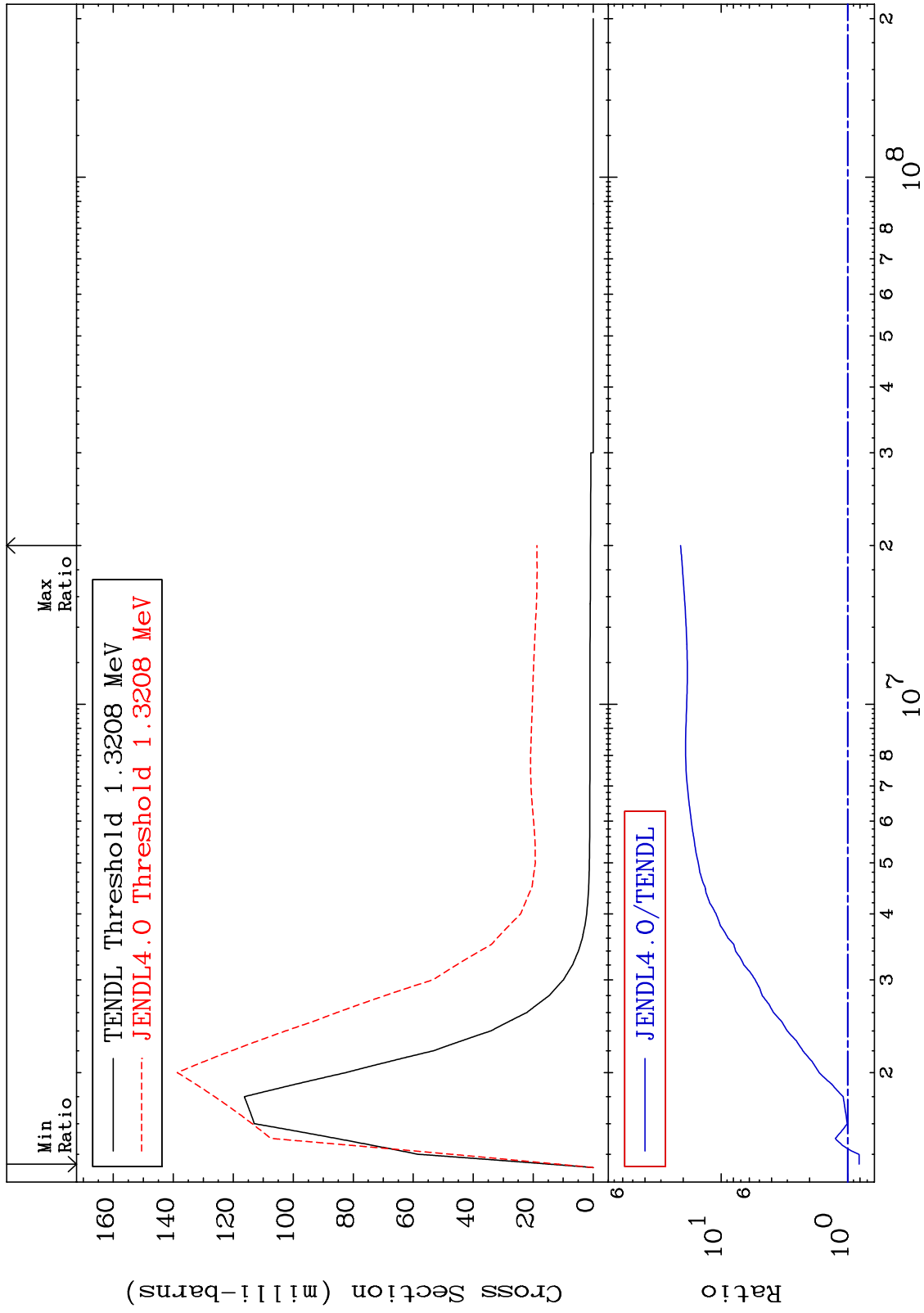
⁷²Hf-176
-23.29 To 9999. %



MAT 7231

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

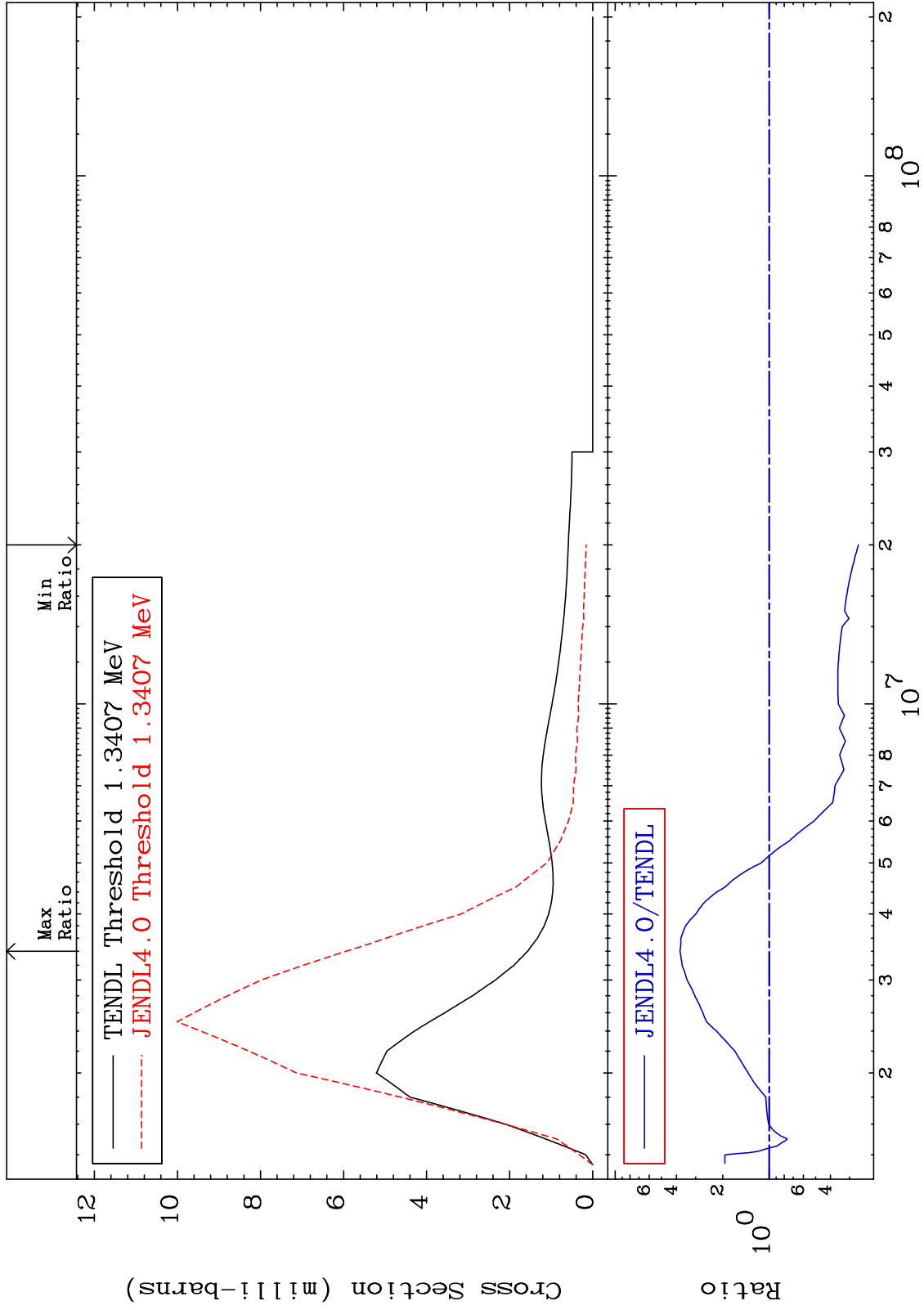
⁷²Hf-176
-18.90 To 1993. %



MAT 7231

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

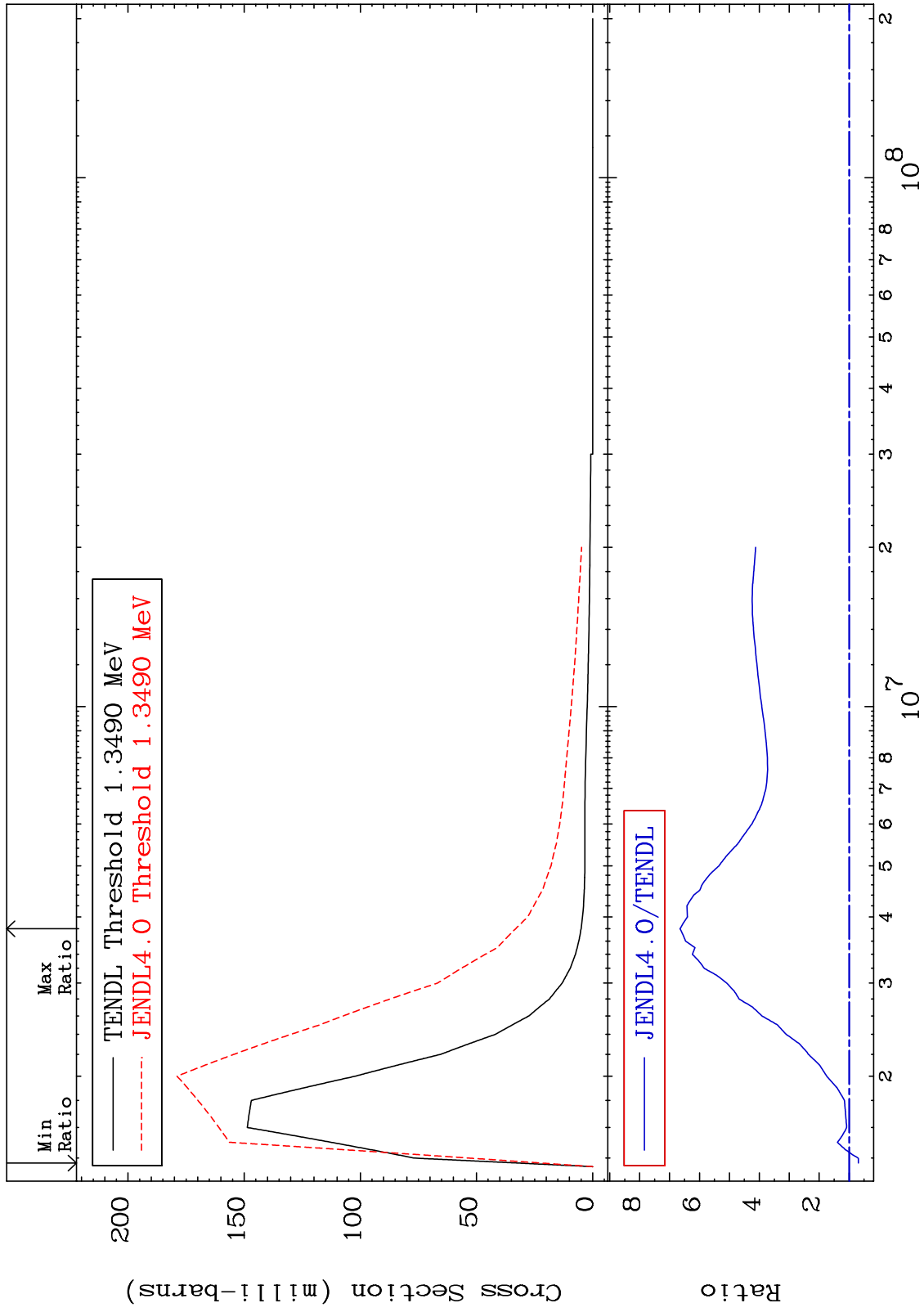
72-Hf-176
-73.64 To 279.0 %



MAT 7231

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

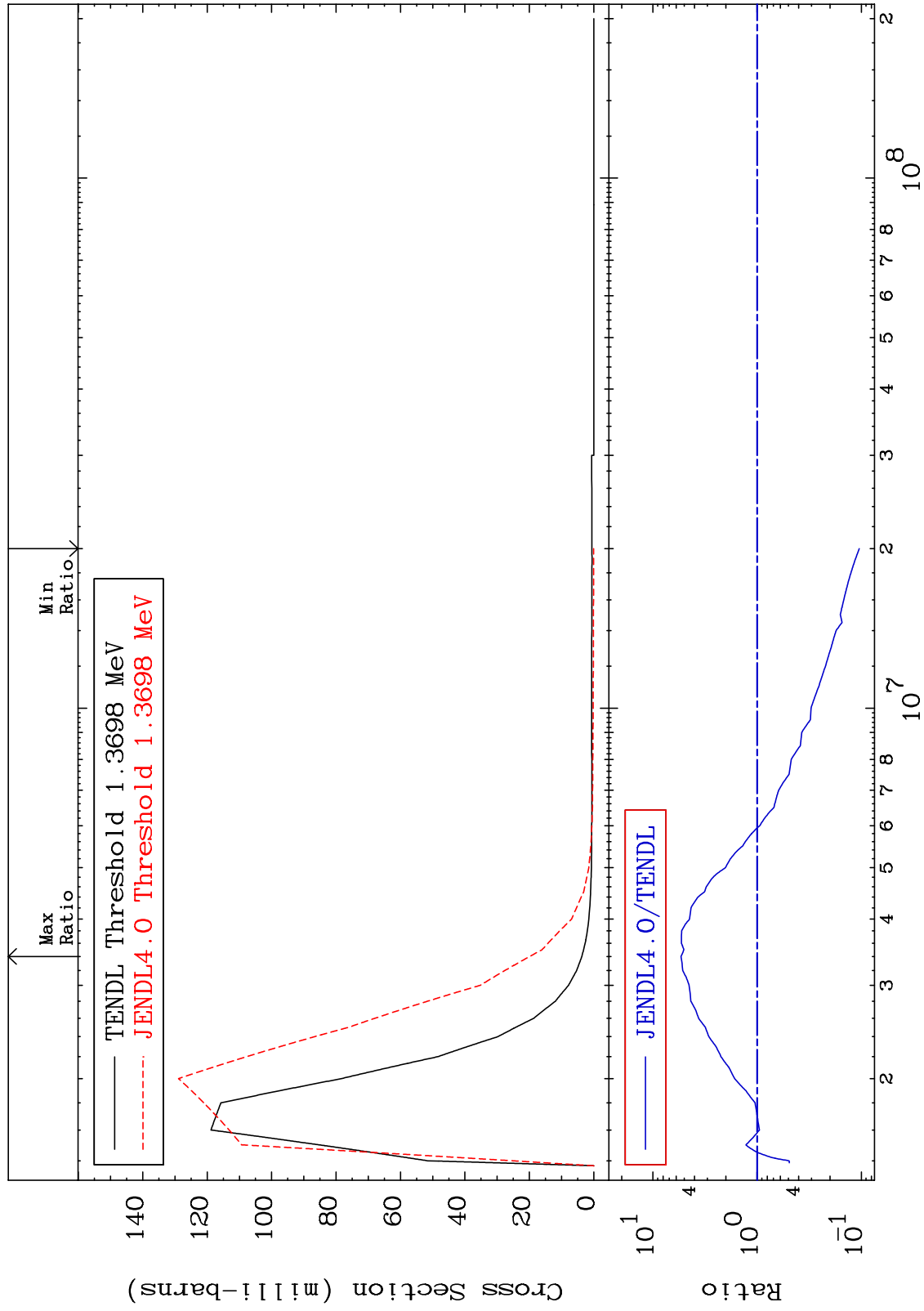
72-Hf-176
-31.03 To 565.1 %



MAT 7231

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

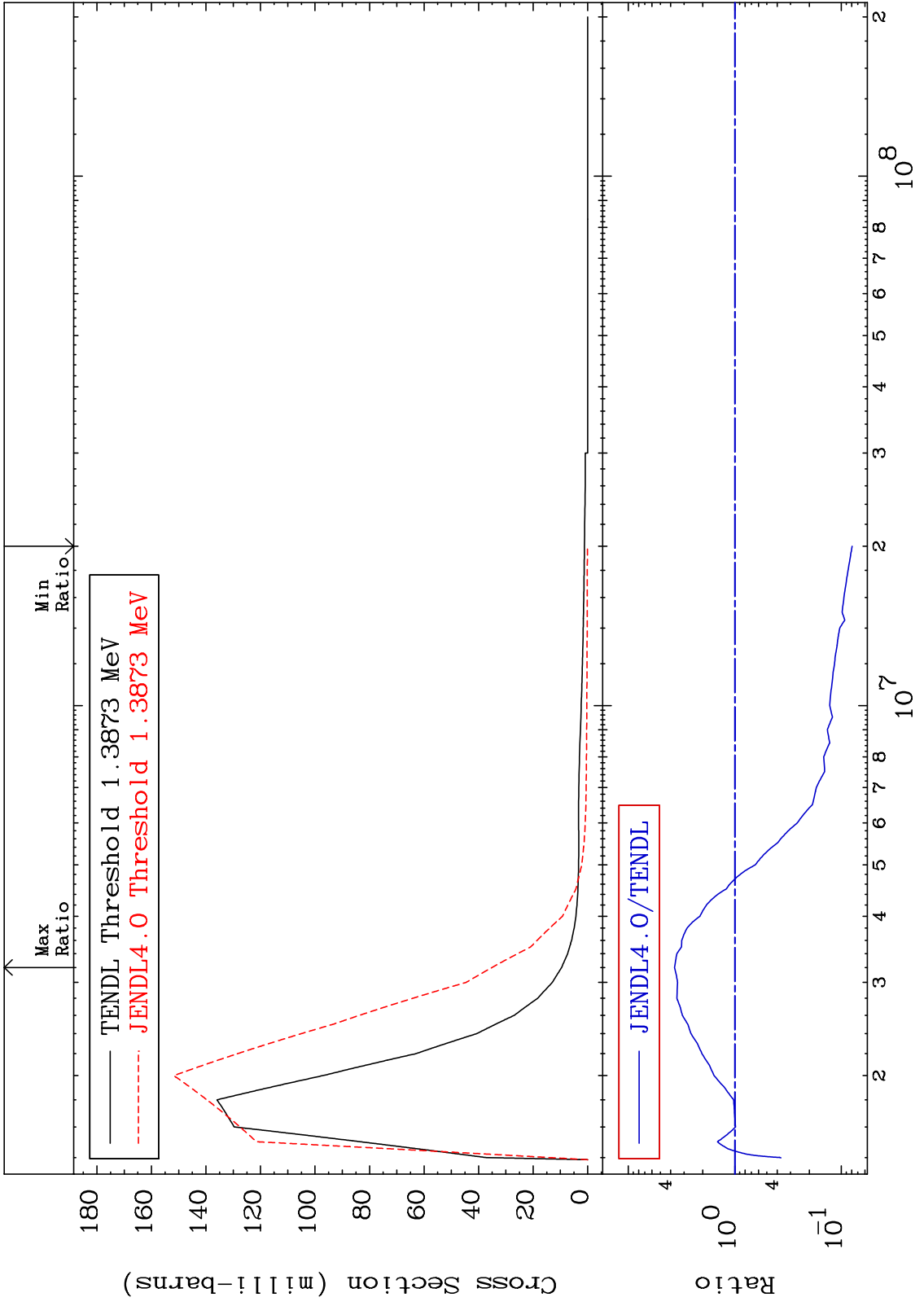
⁷²Hf-176
-89.54 To 437.6 %



MAT 7231

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

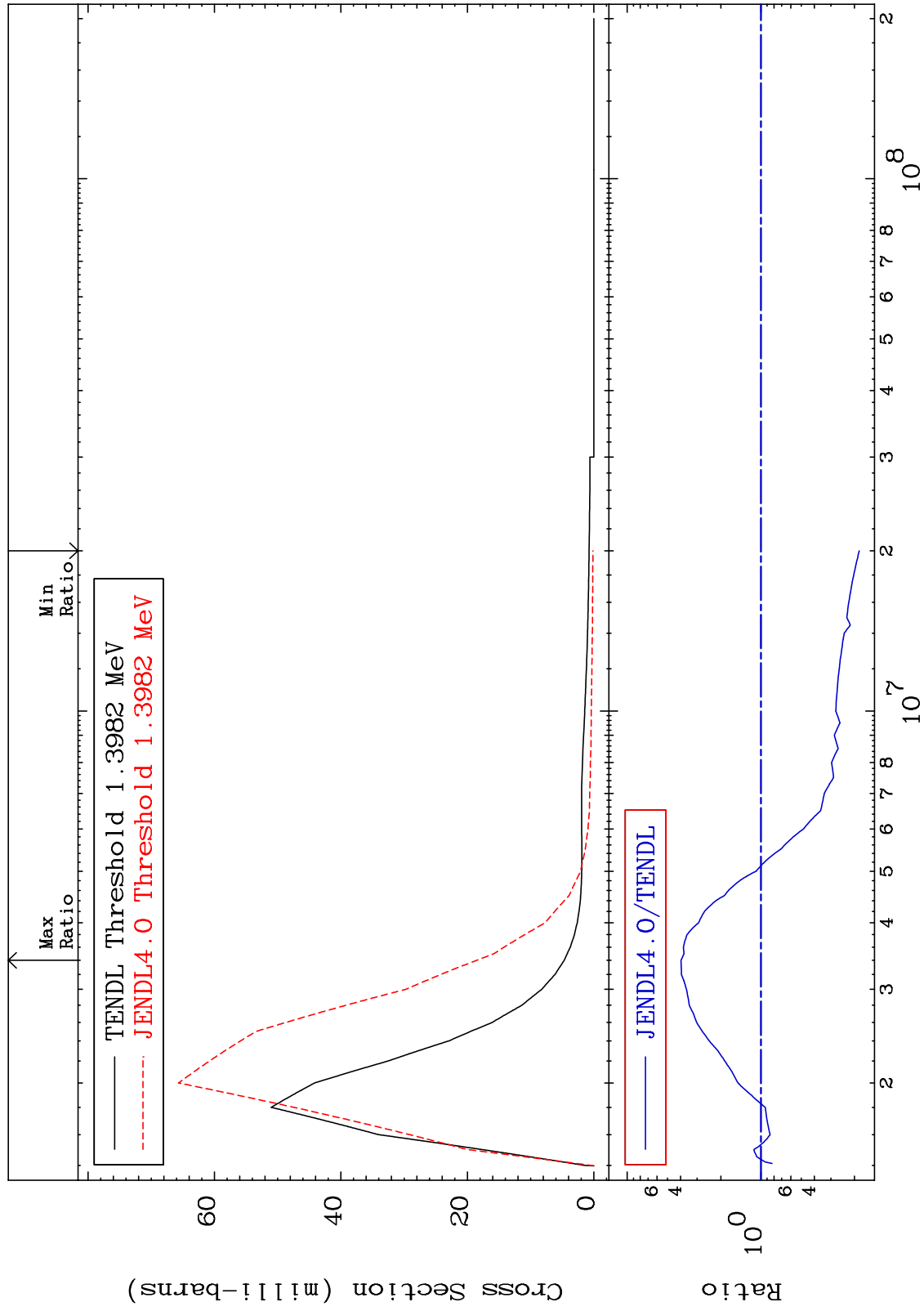
⁷²Hf-176
-92.08 To 267.6 %



MAT 7231

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

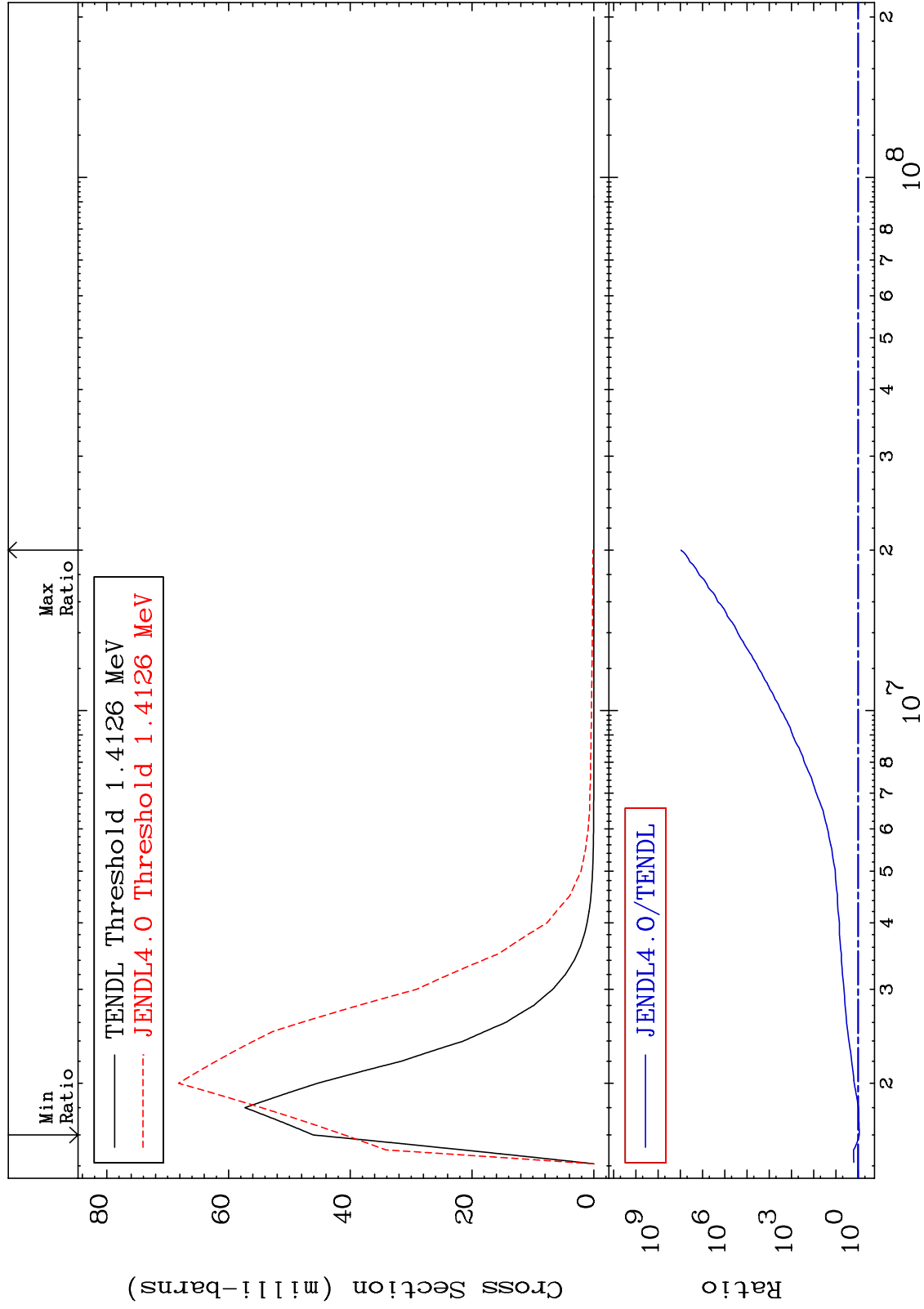
⁷²Hf-176
-81.57 To 296.2 %



MAT 7231

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

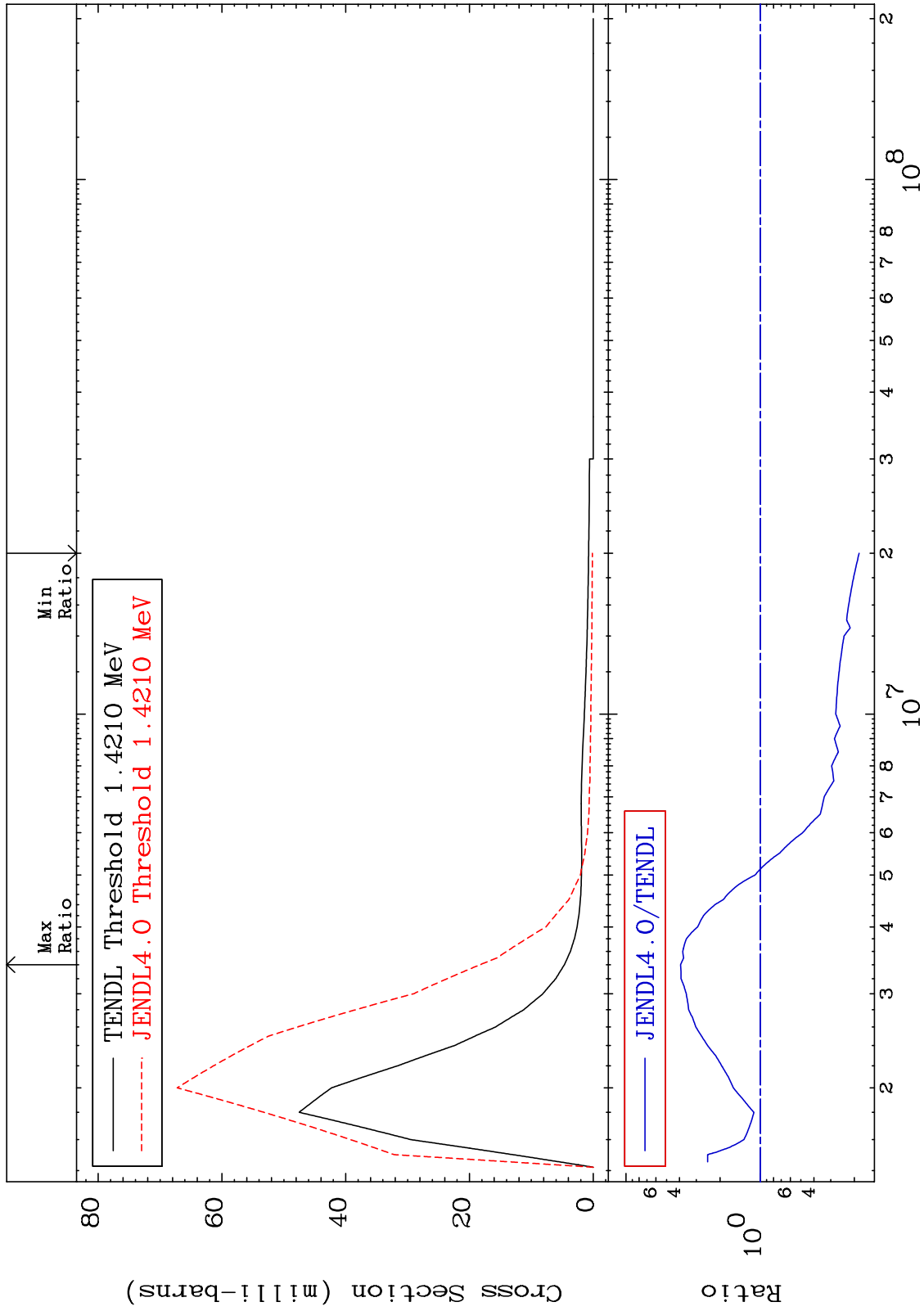
⁷²Hf-176
-11.08 To 9999. %



MAT 7231

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

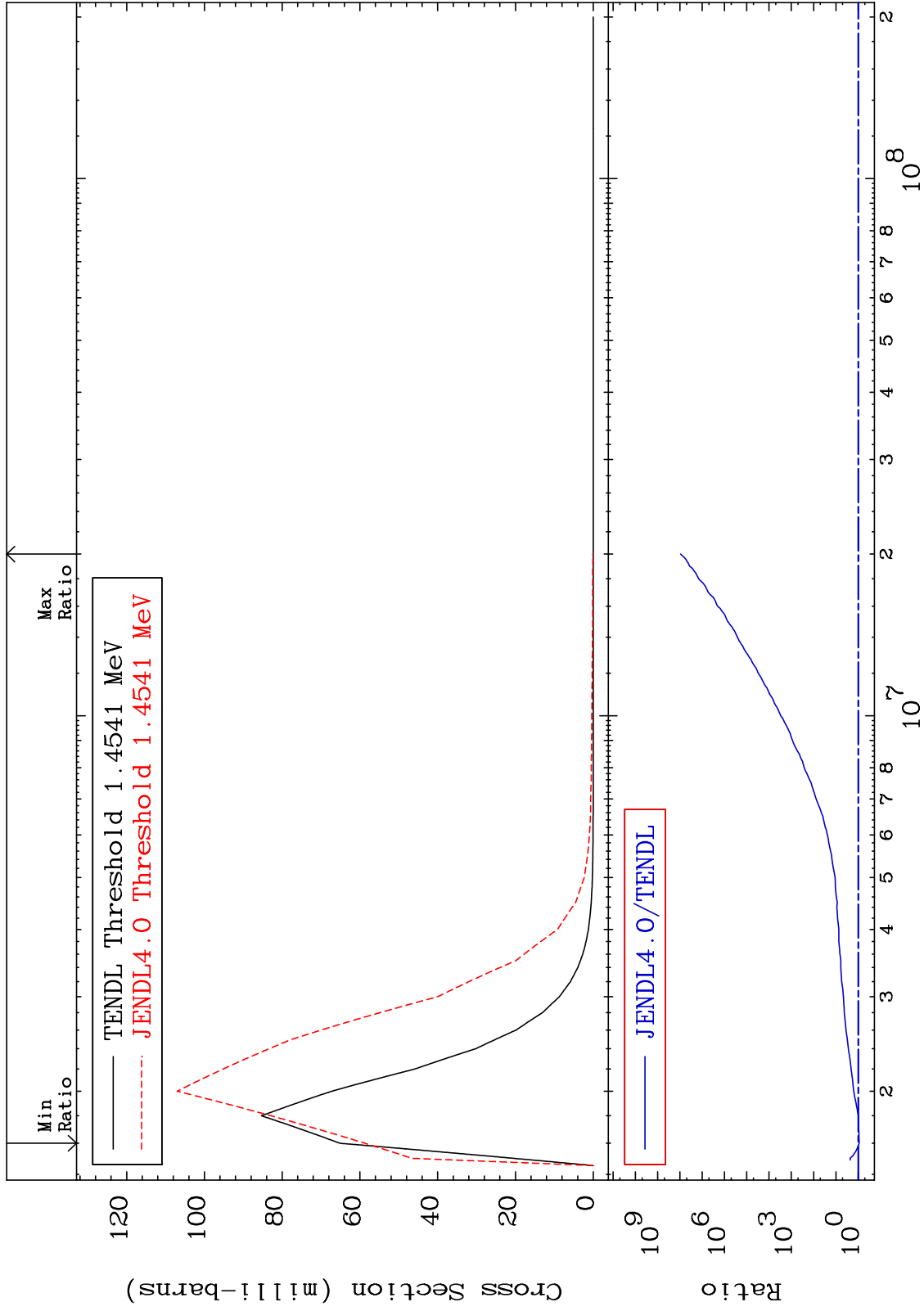
⁷²Hf-176
-81.56 To 292.7 %



MAT 7231

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

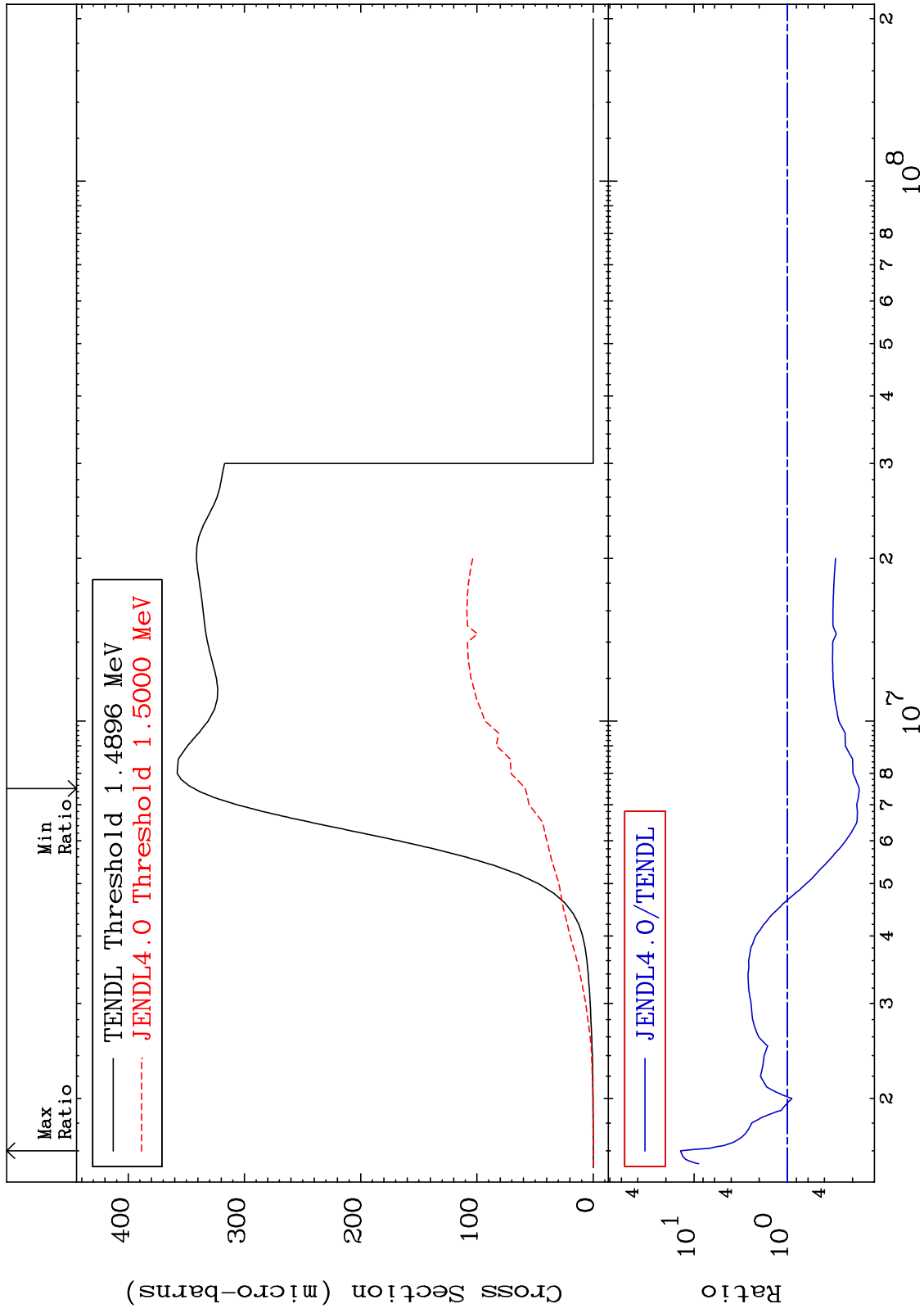
72-Hf-176
-9.864 To 9999. %



MAT 7231

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

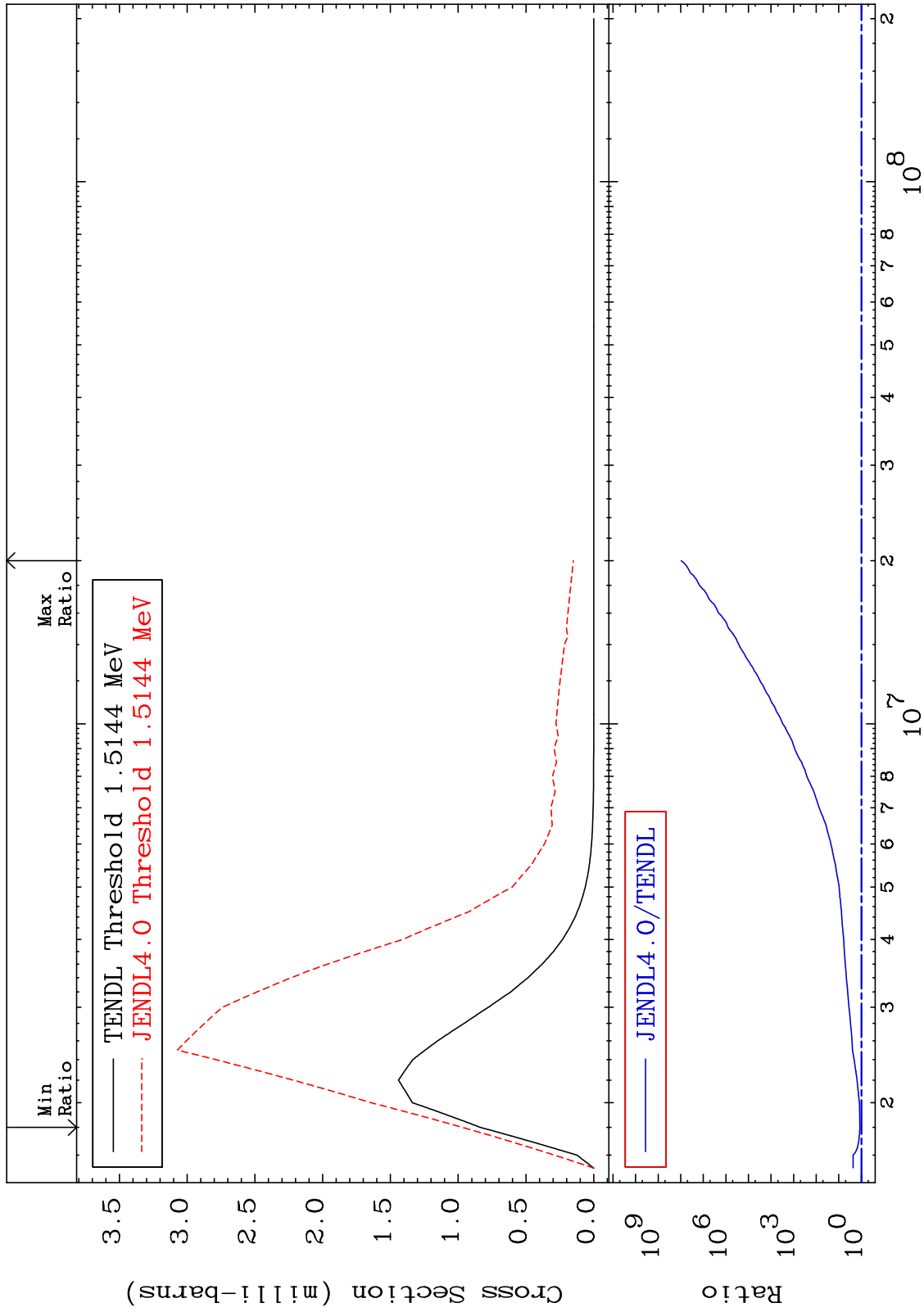
72-Hf-176
-83.02 To 1291. %



MAT 7231

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

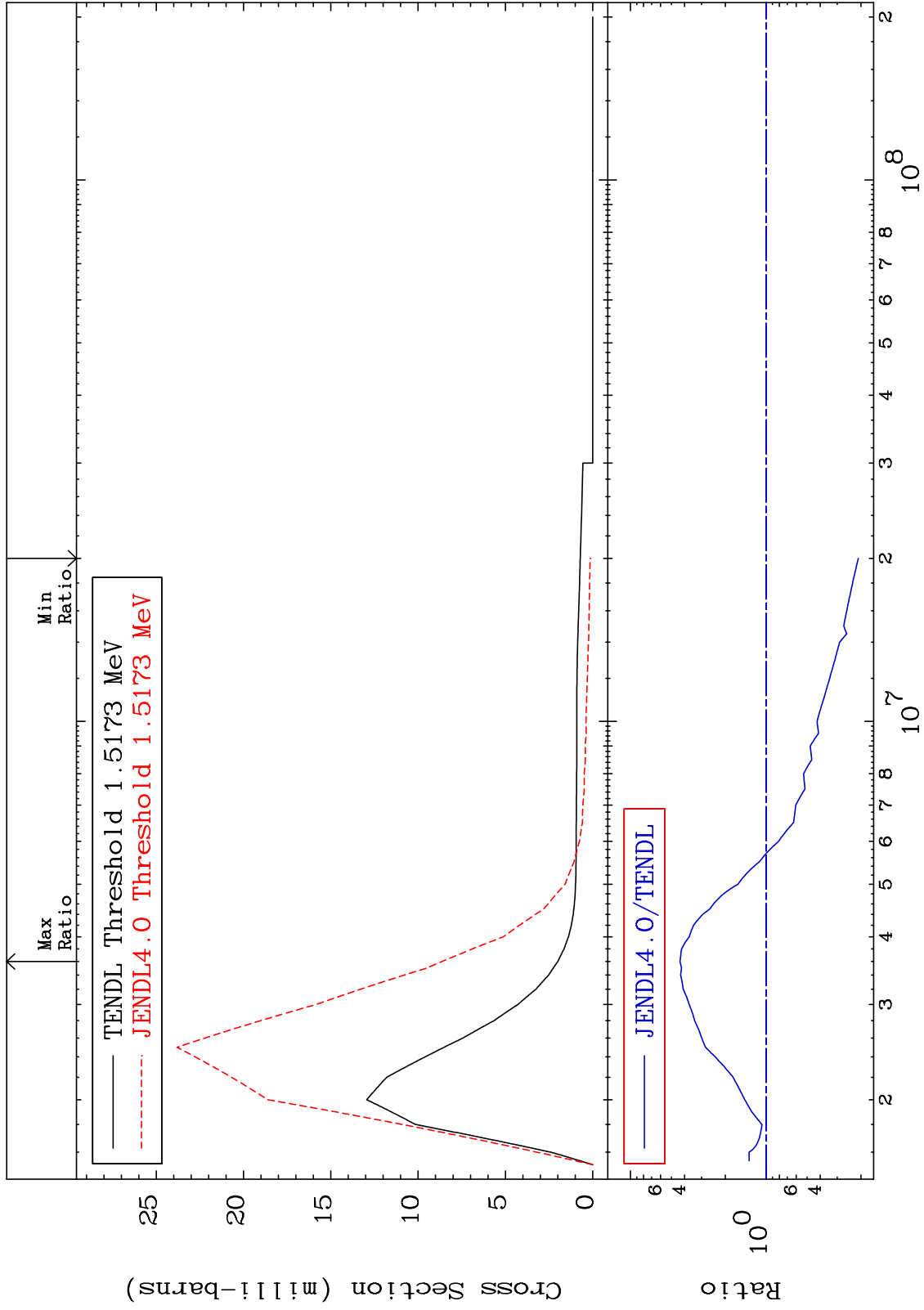
72-Hf-176
15.82 To 9999. %



MAT 7231

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

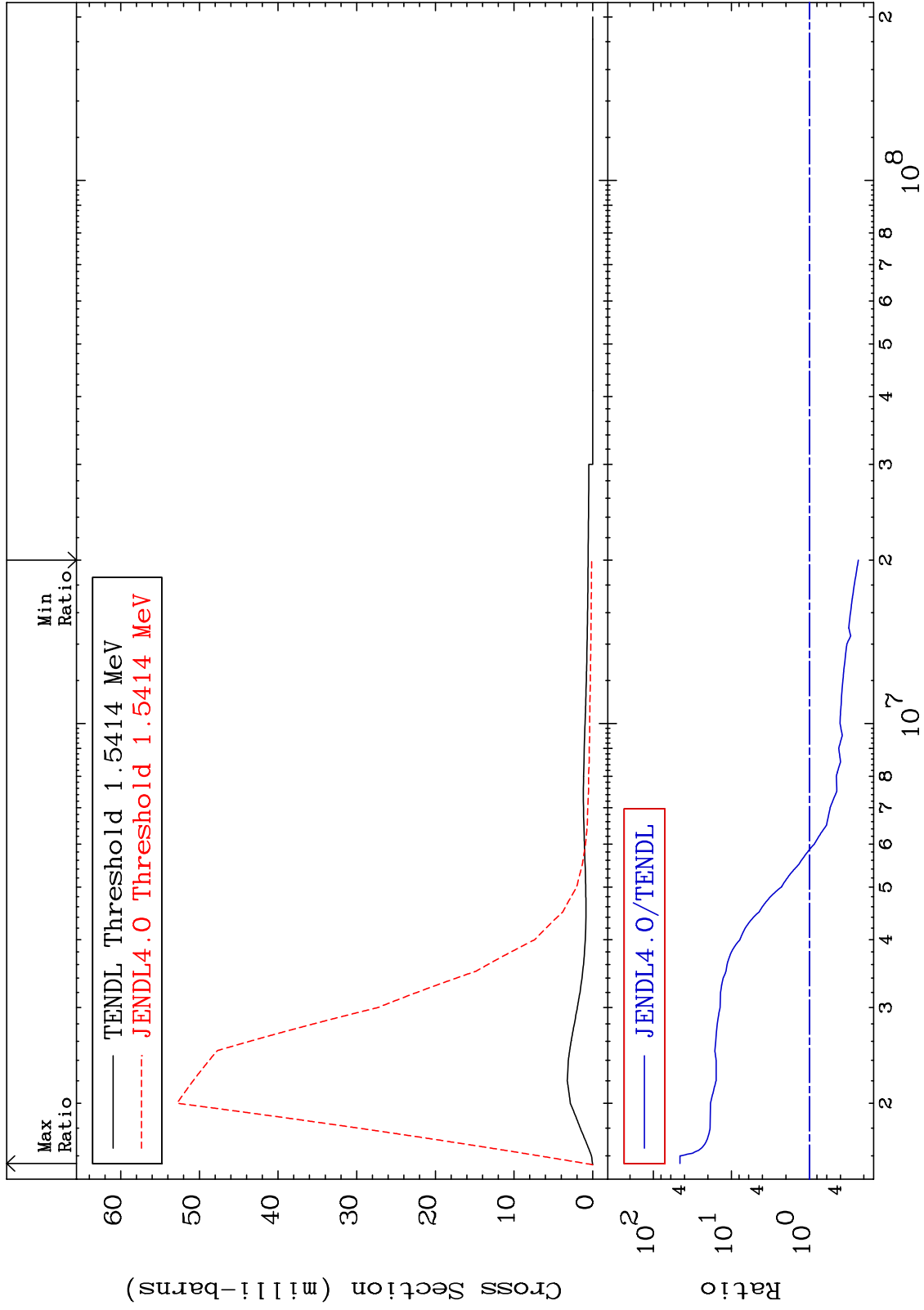
72-Hf-176
-79.08 To 331.5 %



MAT 7231

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

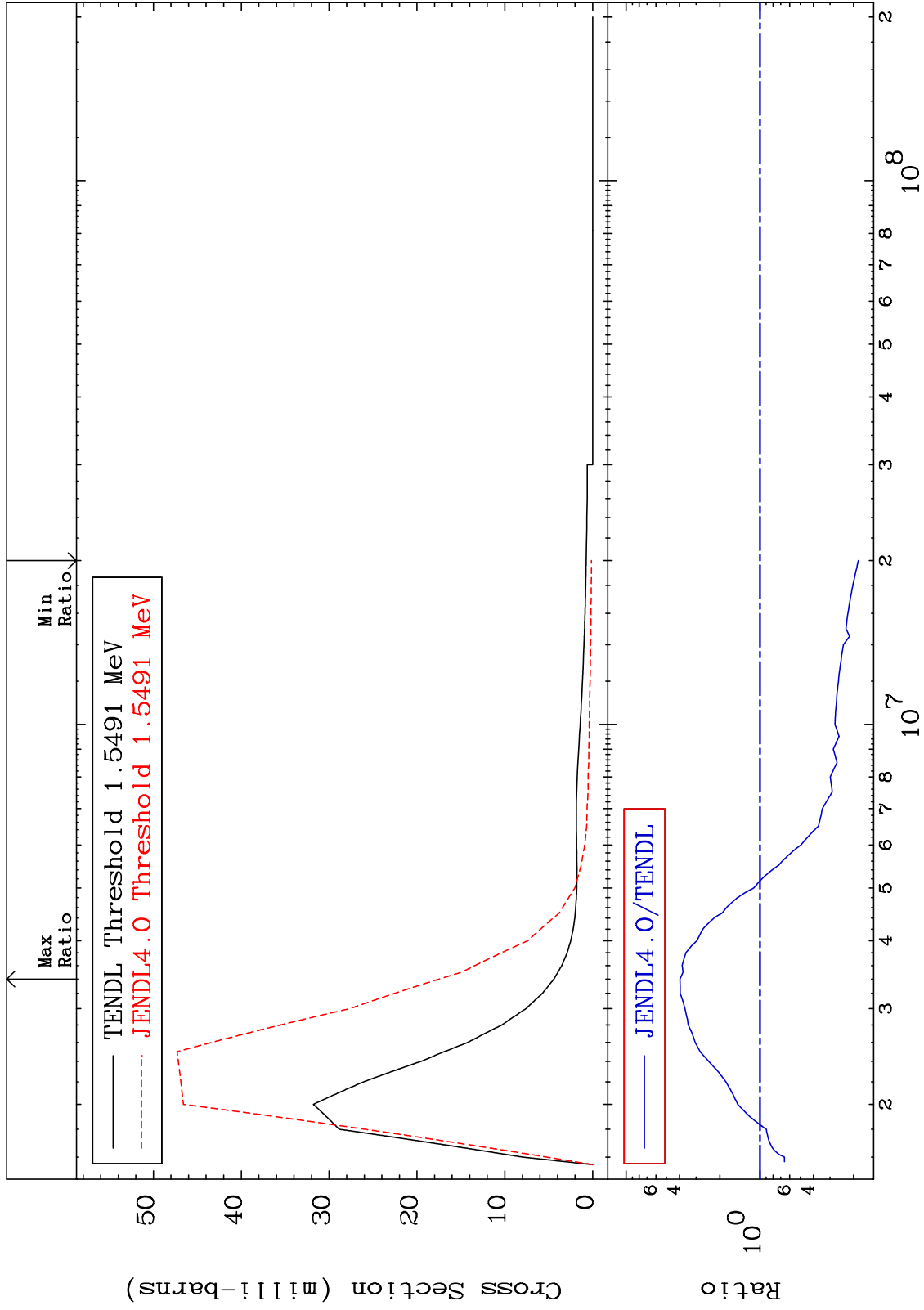
72-Hf-176
-76.47 To 4462. %



MAT 7231

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

72-Hf-176
-81.57 To 296.2 %

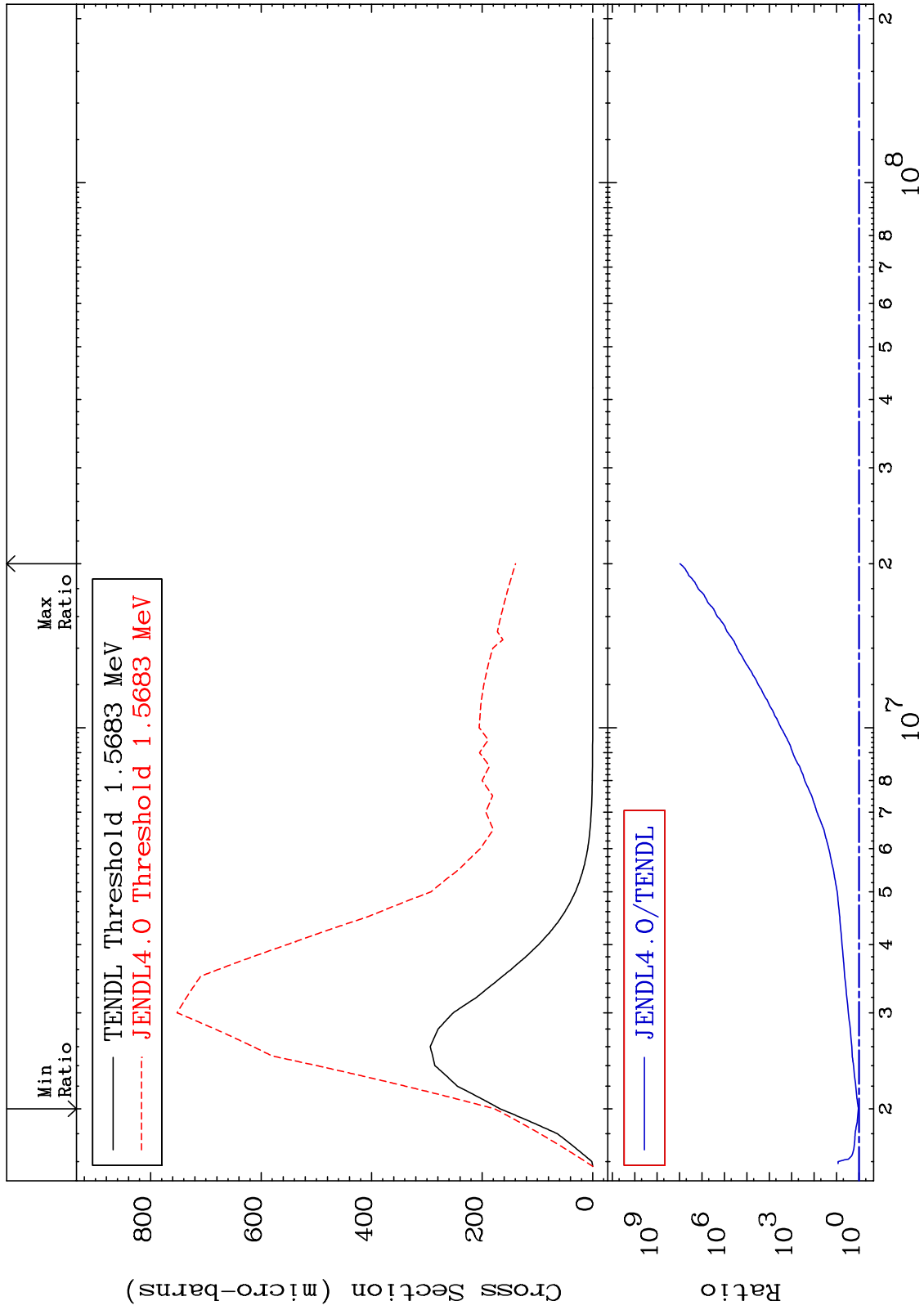


30

Incident Energy (eV)

72-Hf-176

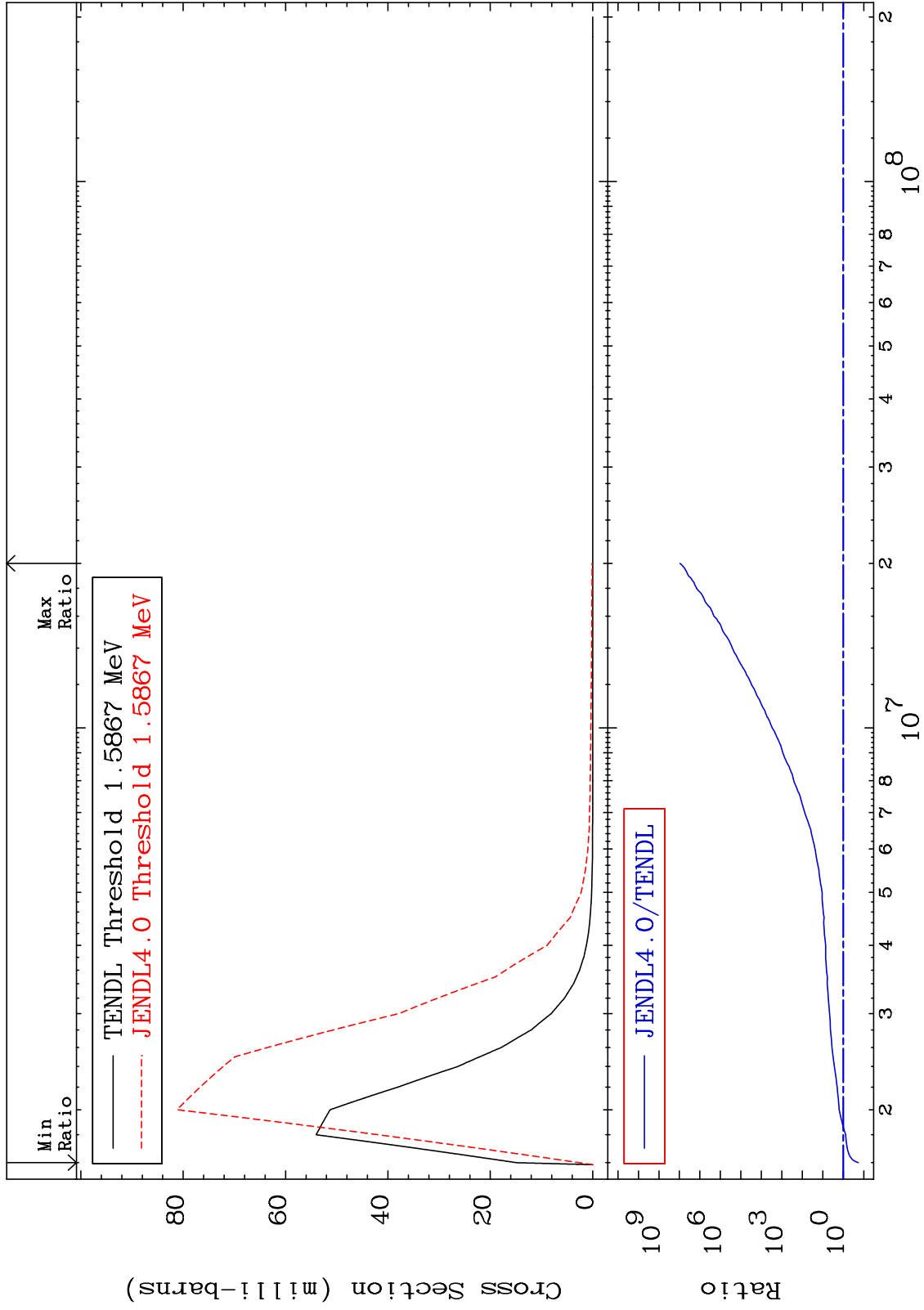
MAT 7231 MT= 73 (n,n') Level Cross Section 72-Hf-176 To 9999. %
 5.953



MAT 7231

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

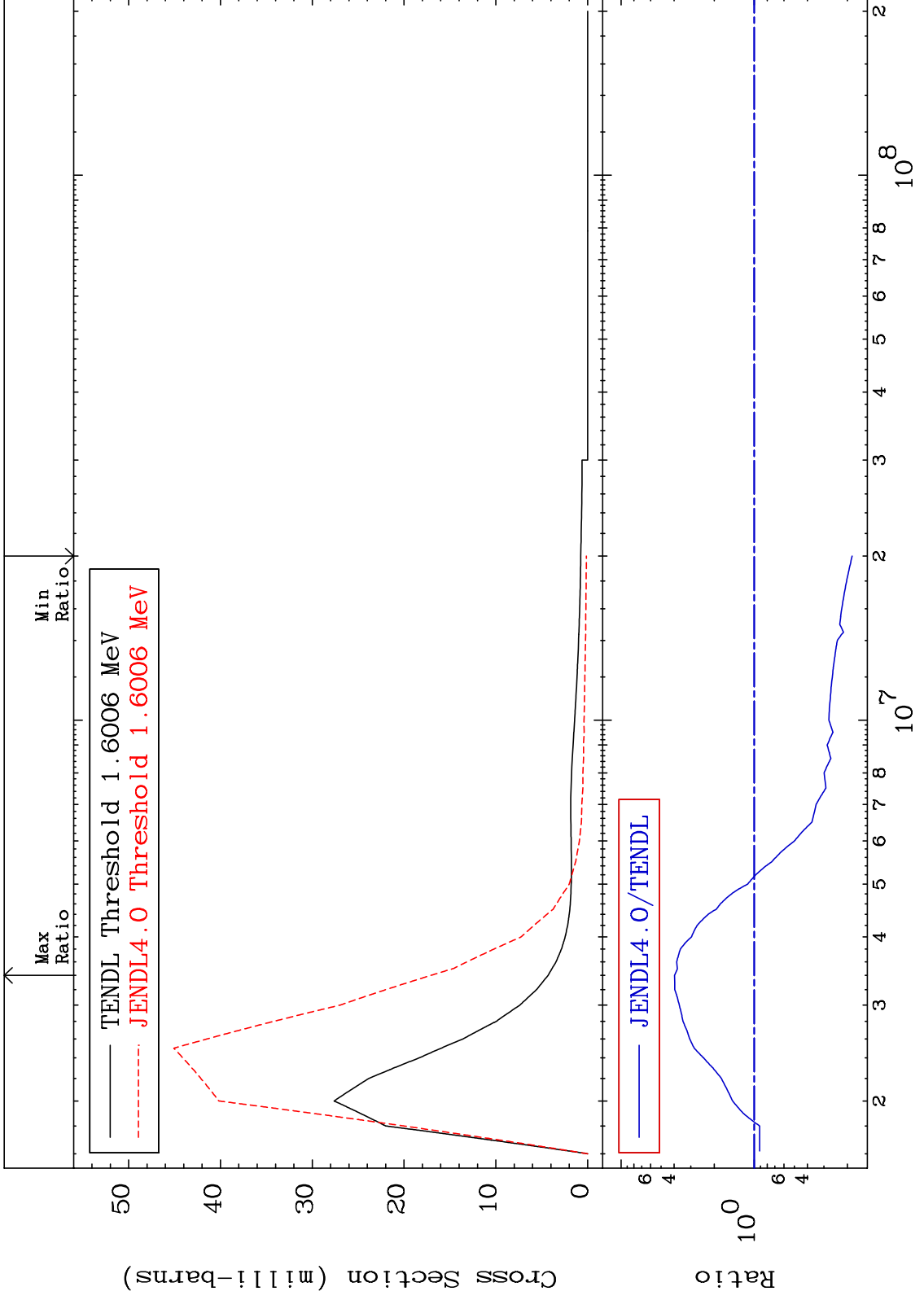
72-Hf-176
-81.59 To 9999. %



MAT 7231

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

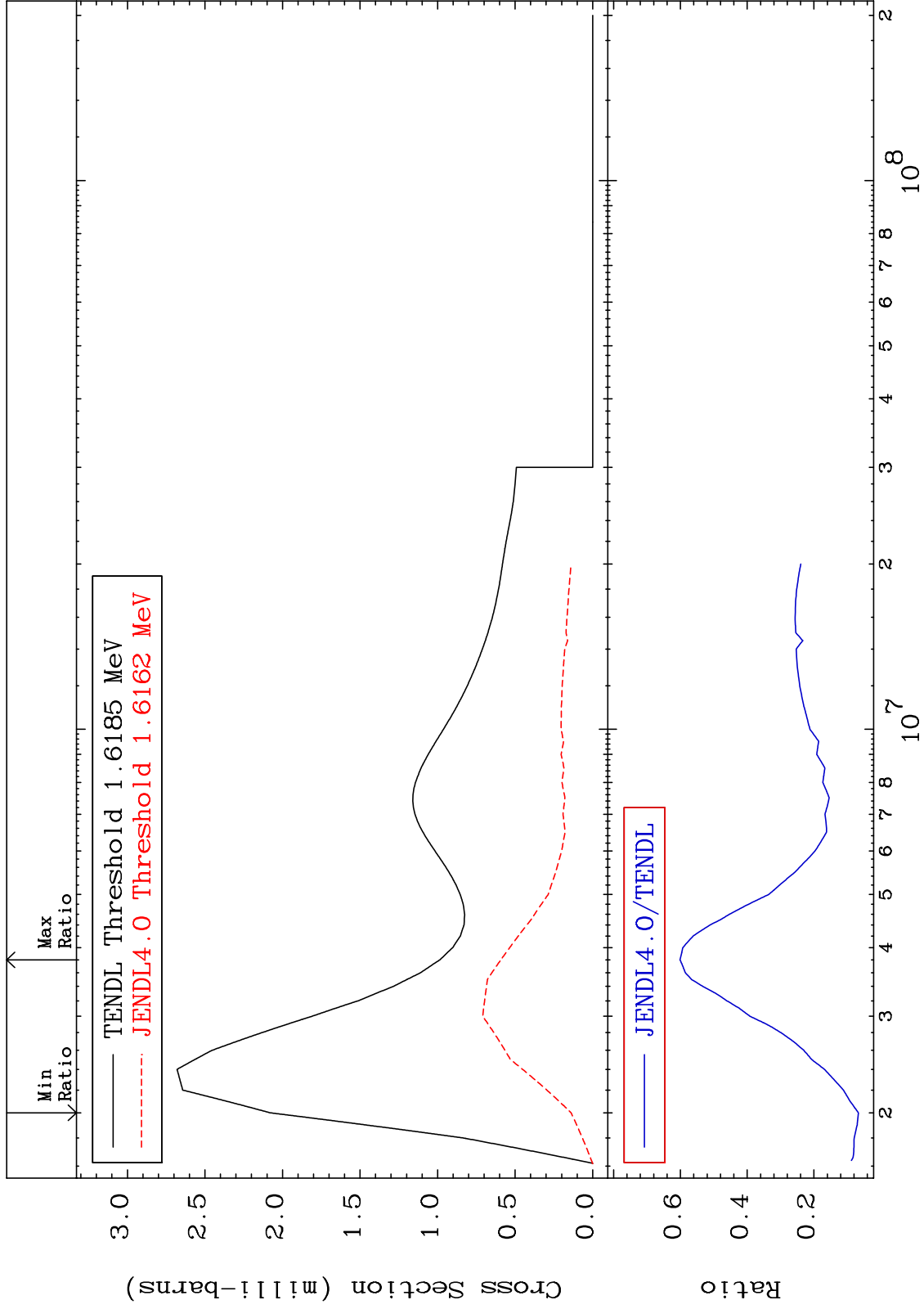
72-Hf-176
-81.57 To 296.5 %



MAT 7231

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

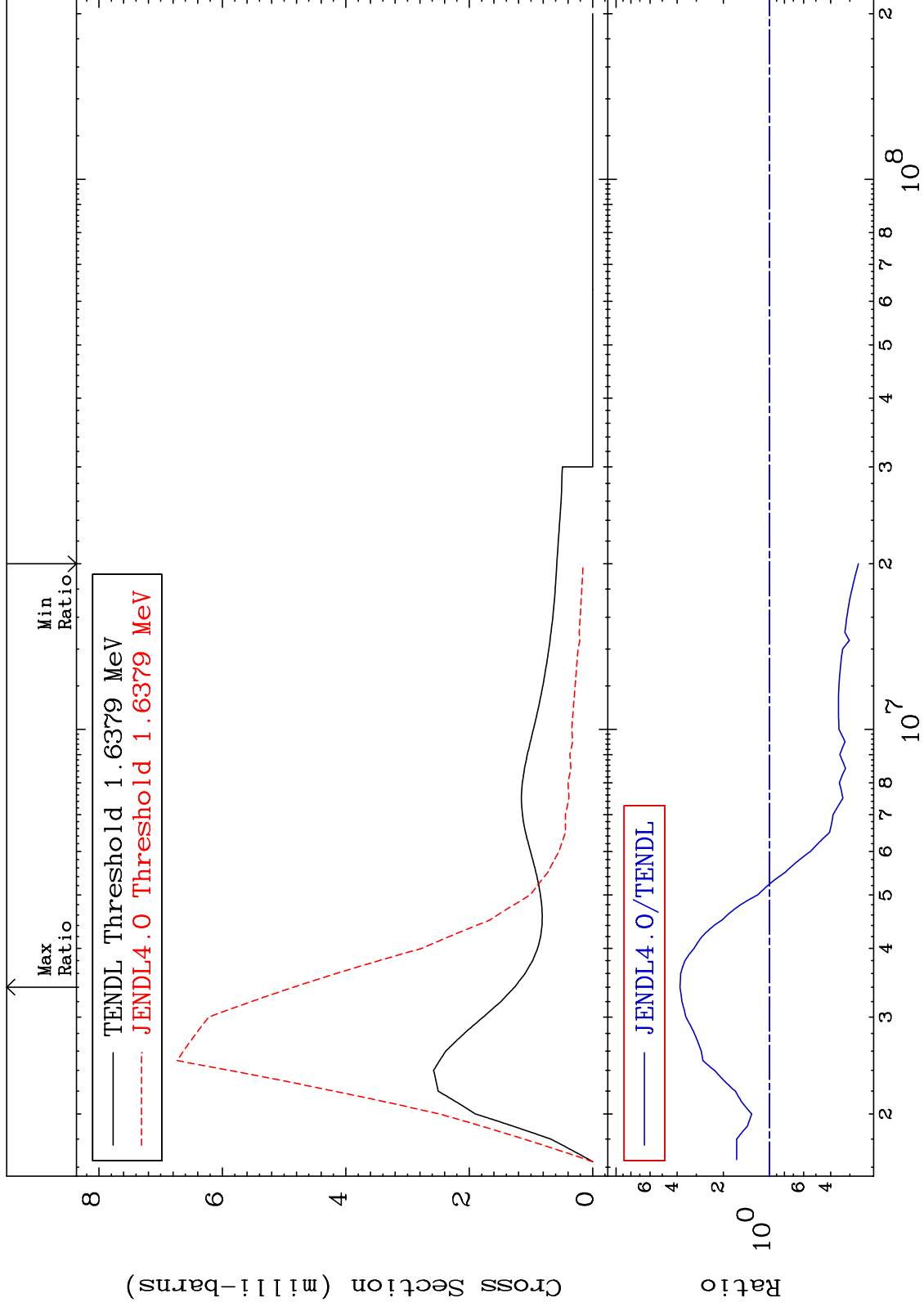
72-Hf-176
-93.31 To -39.88%



MAT 7231

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

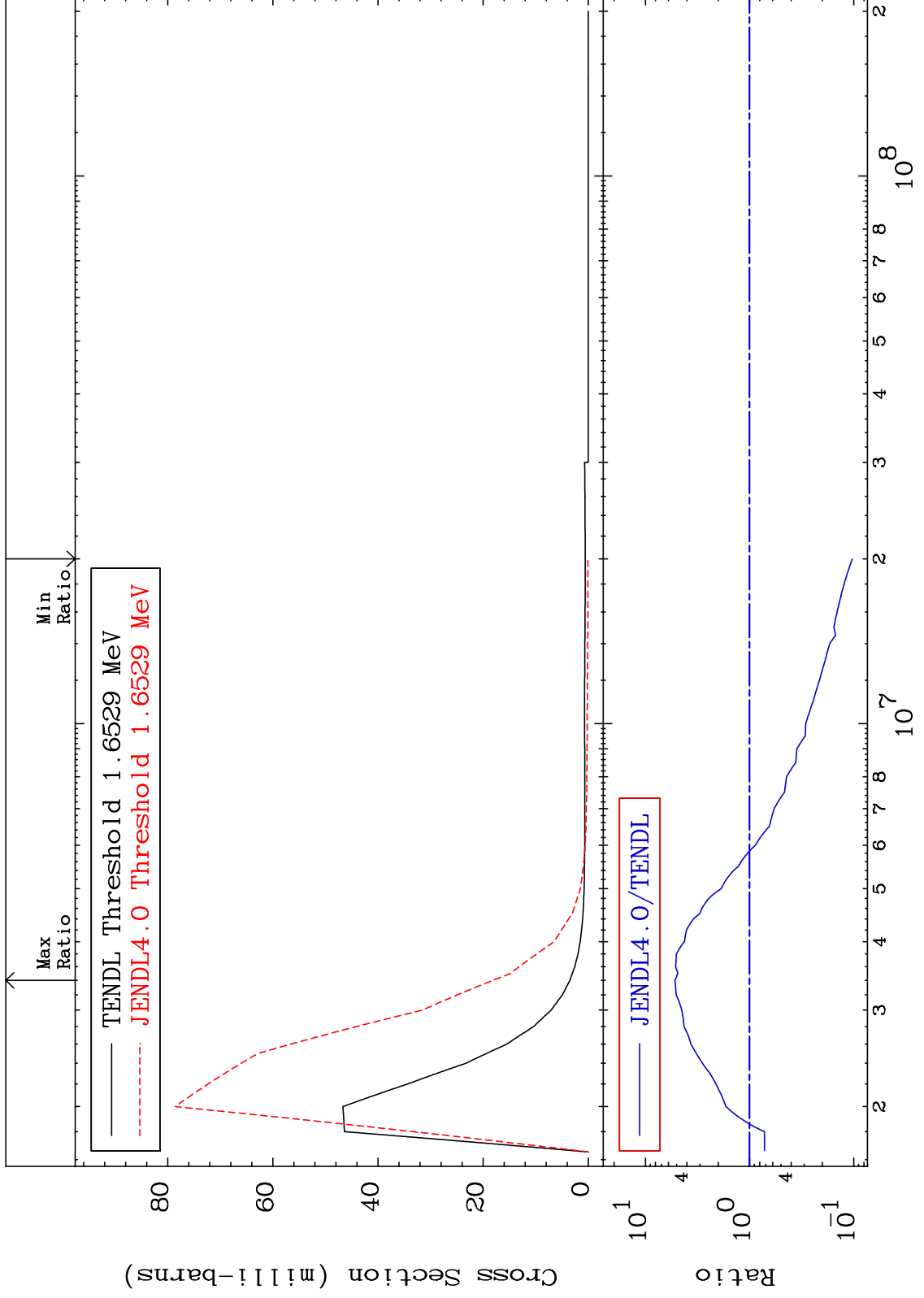
72-Hf-176
-73.63 To 283.0 %



MAT 7231

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

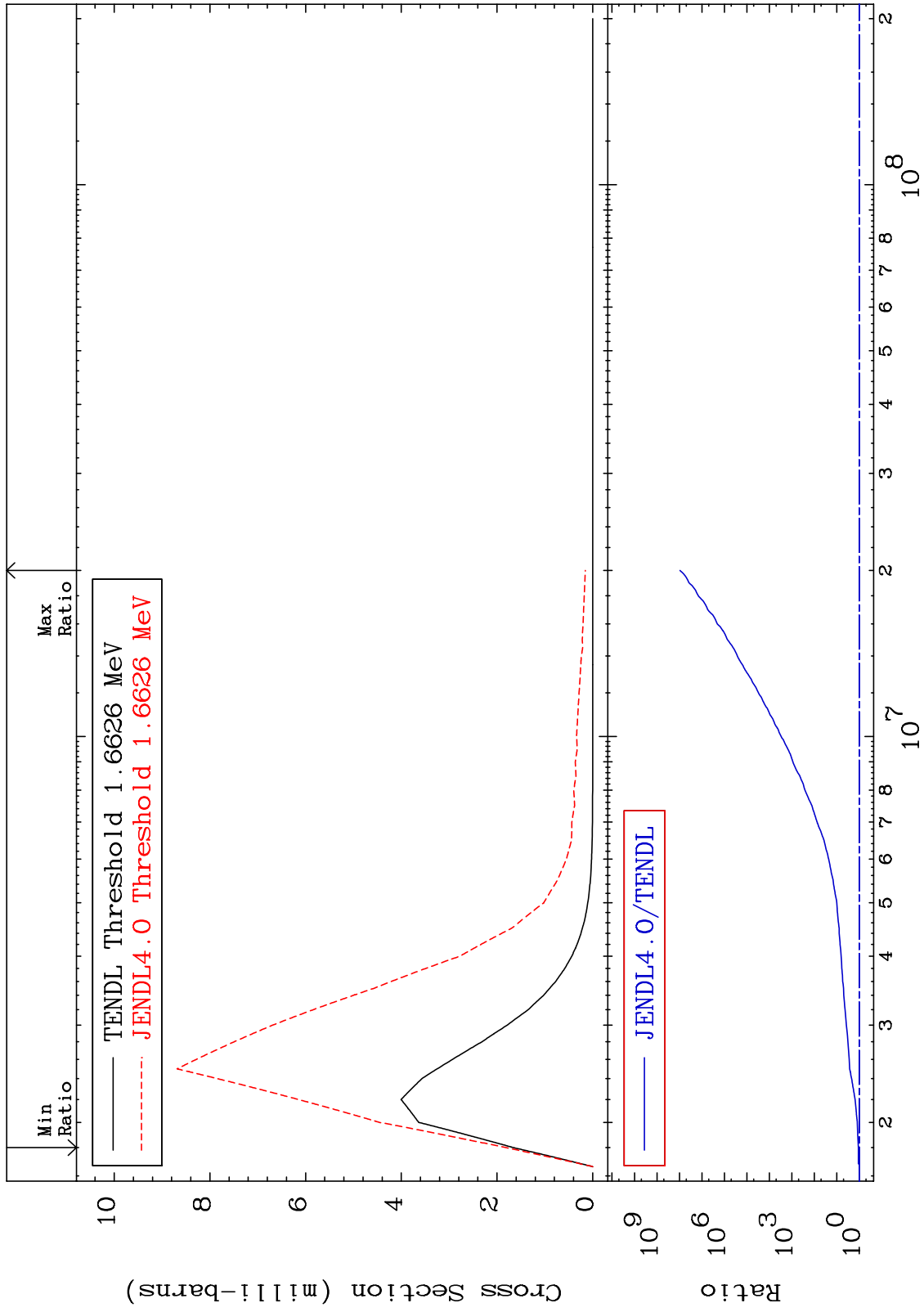
72-Hf-176
-89.66 To 419.4 %



MAT 7231

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

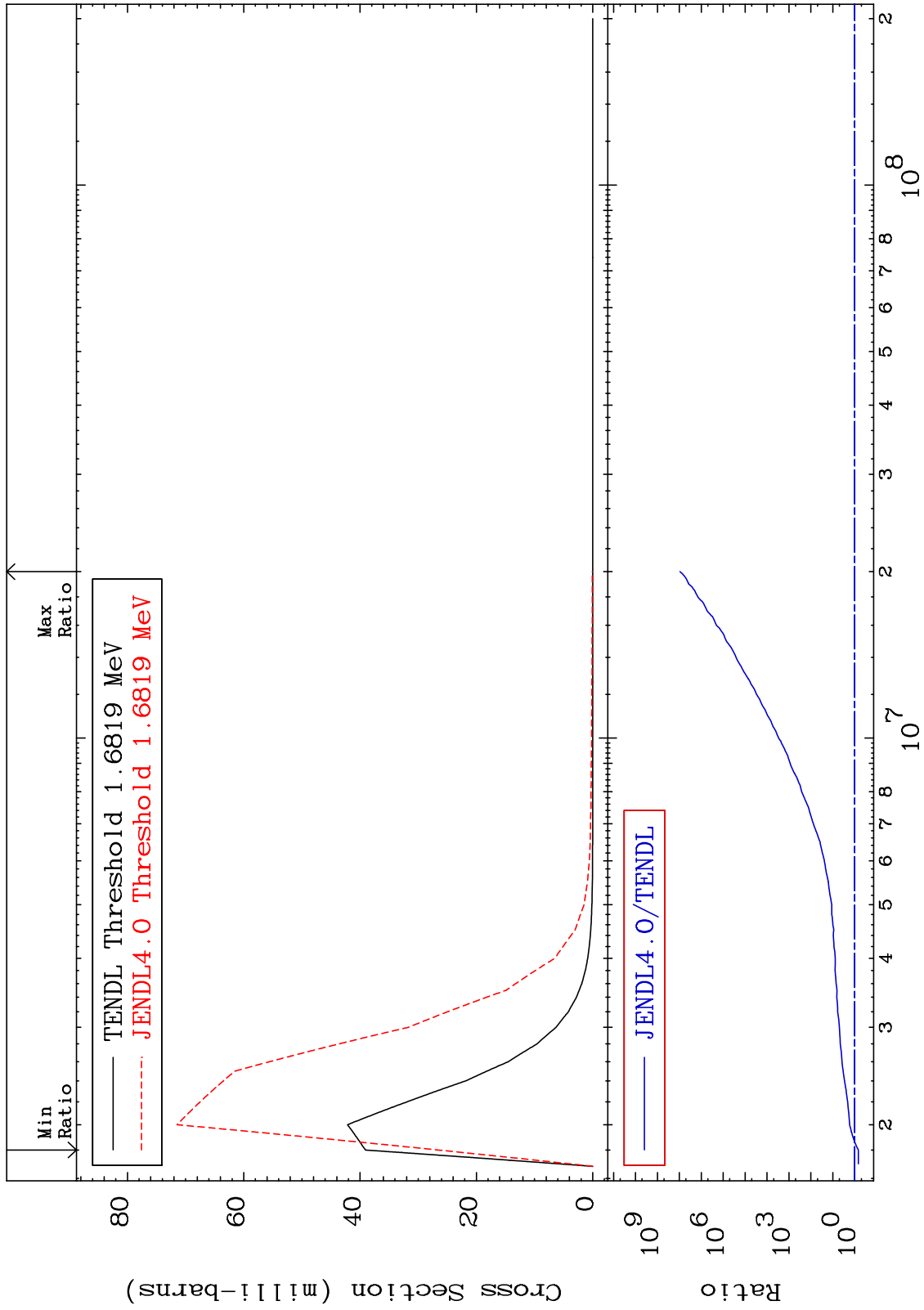
72-Hf-176
9.527 To 9999. %



MAT 7231

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

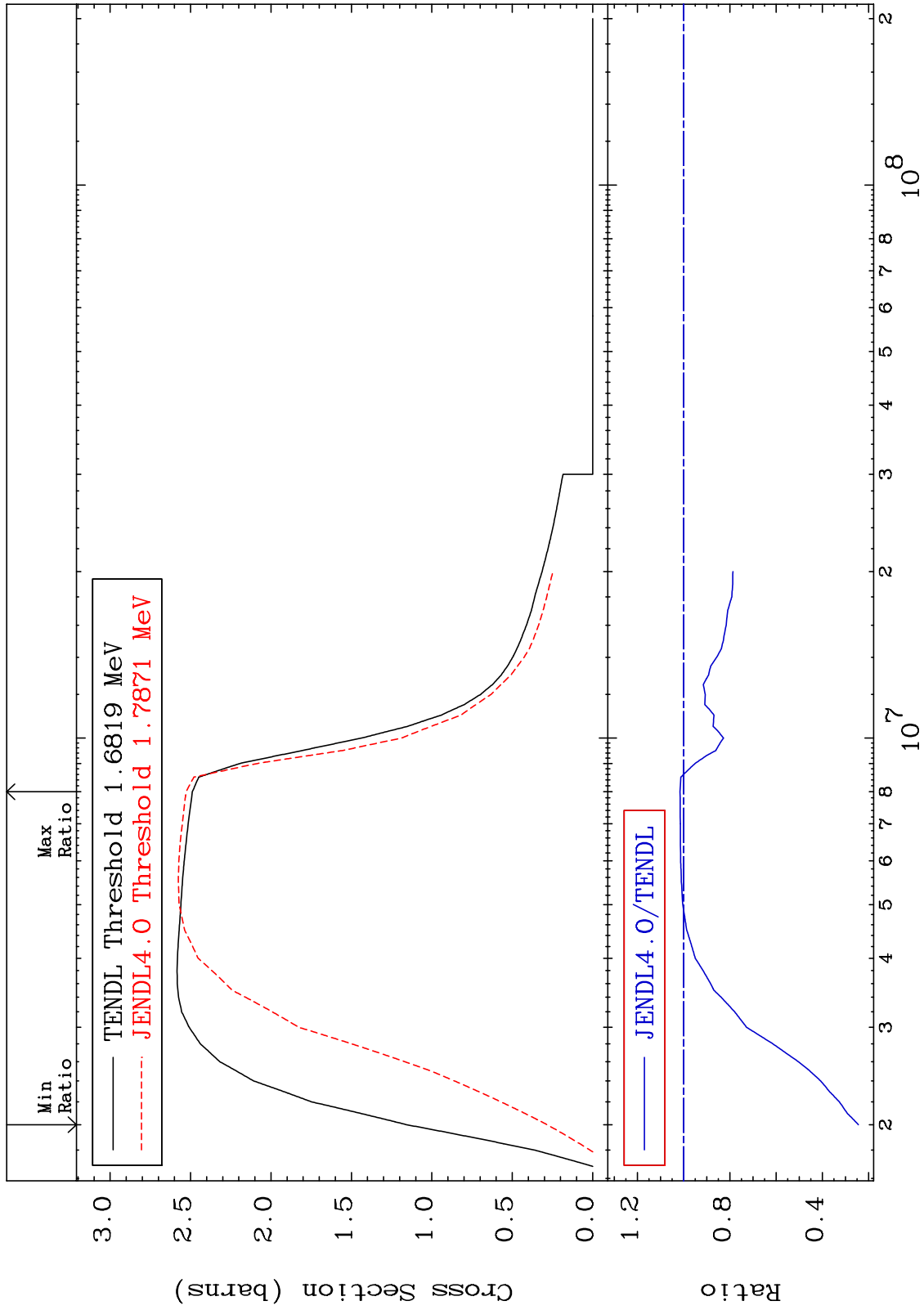
72-Hf-176
-32.12 To 9999. %



MAT 7231

(n,n') Continuum
Cross Section

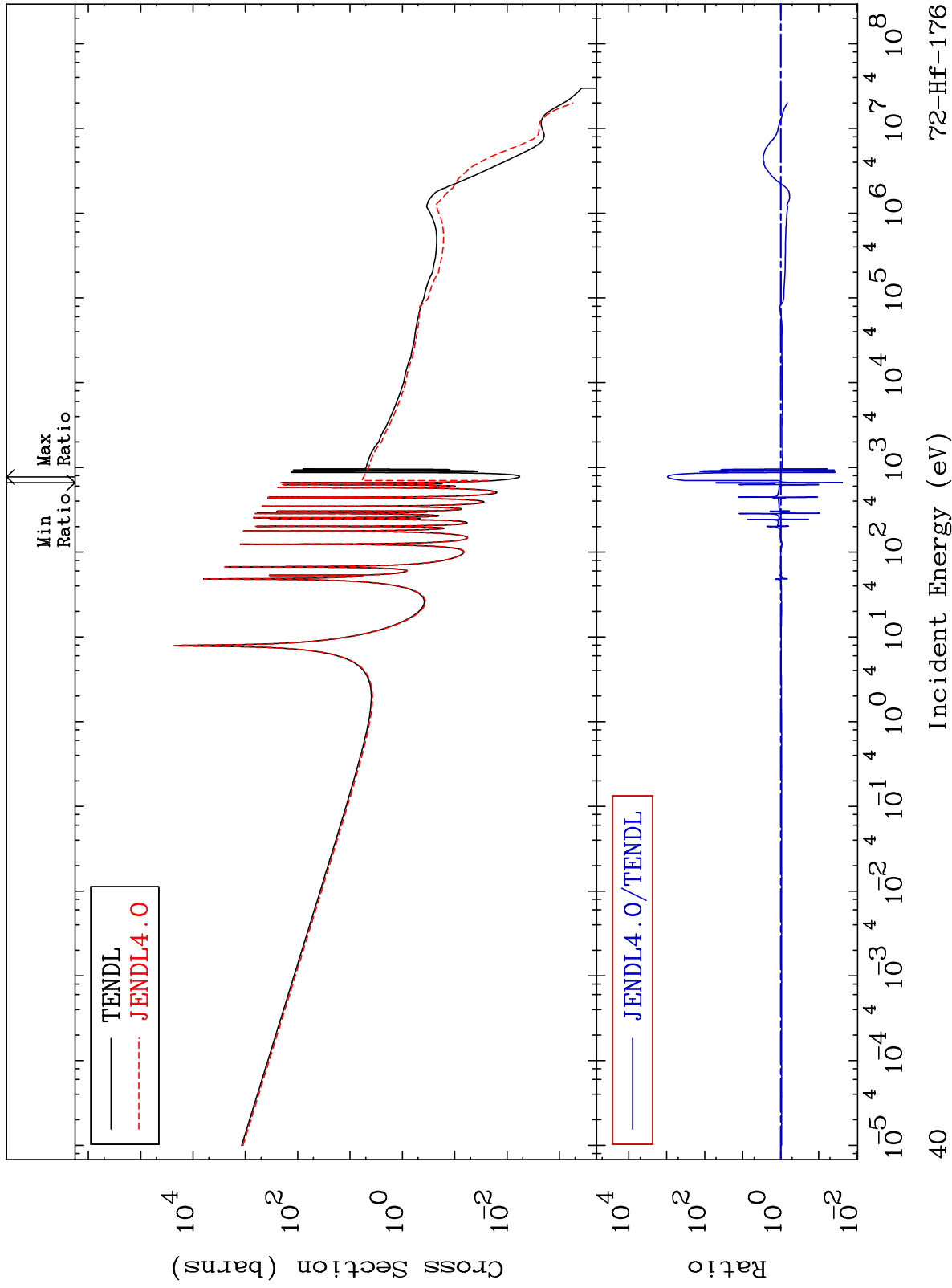
72-Hf-176
-75.58 To 1.589 %



MAT 7231

(n, γ)
Cross Section

72-Hf-176
-97.67 To 9999. %



40

72-Hf-176

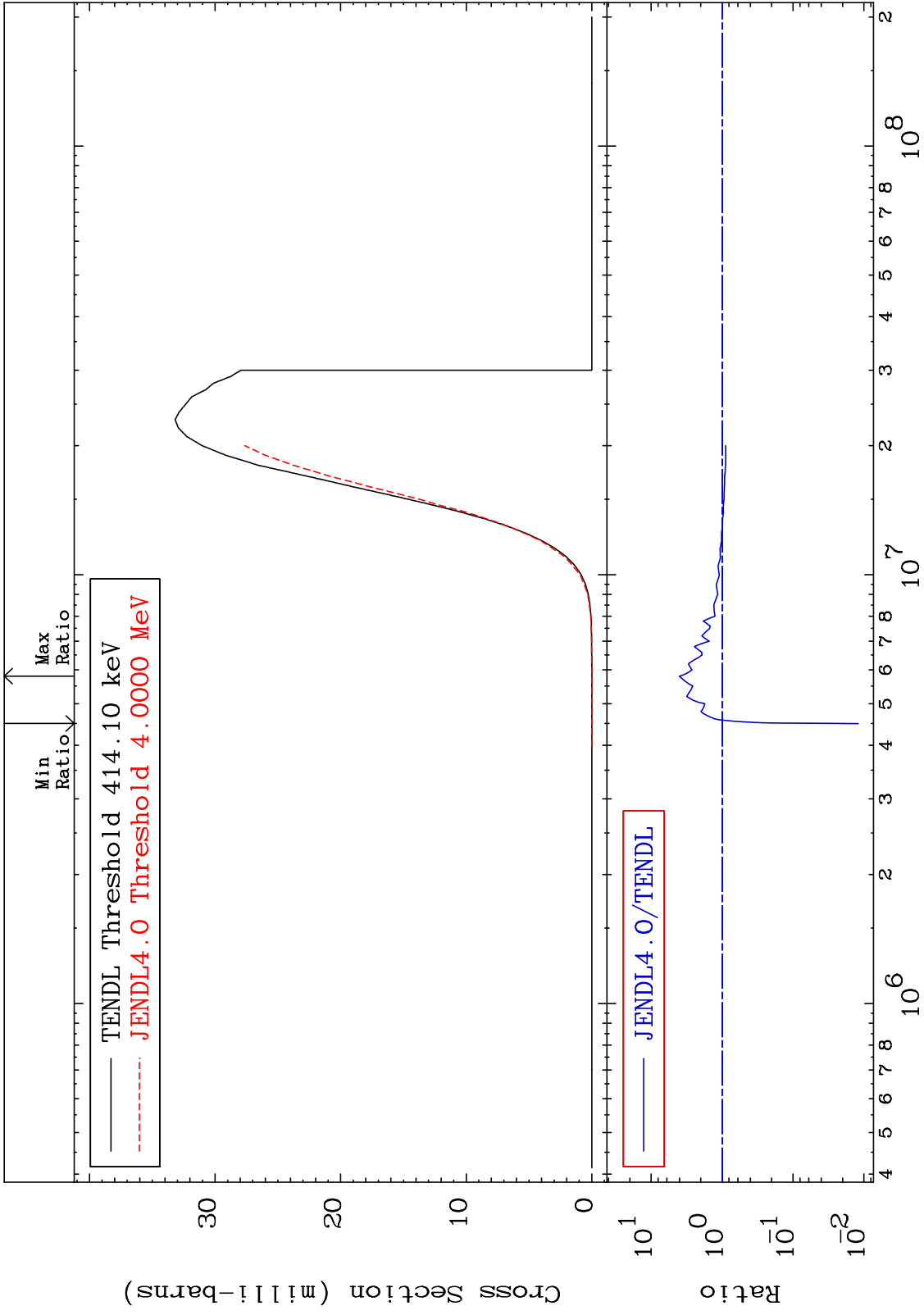
MAT 7231

(n,p)

⁷²Hf-176

Cross Section

-98.80 To 300.5 %



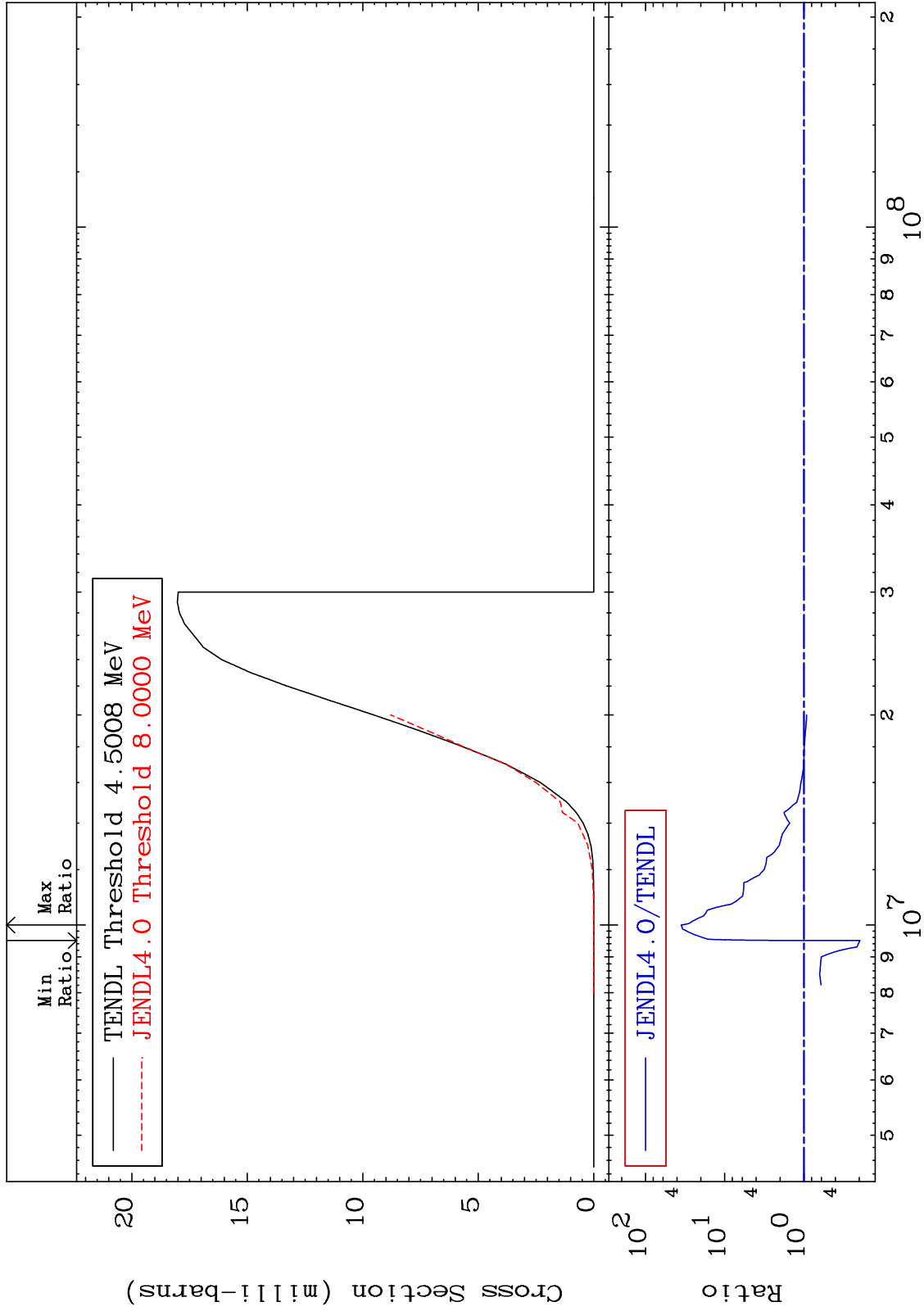
MAT 7231

(n, d)

72-Hf-176

Cross Section

-80.38 To 3437. %



42

72-Hf-176

72-Hf-176

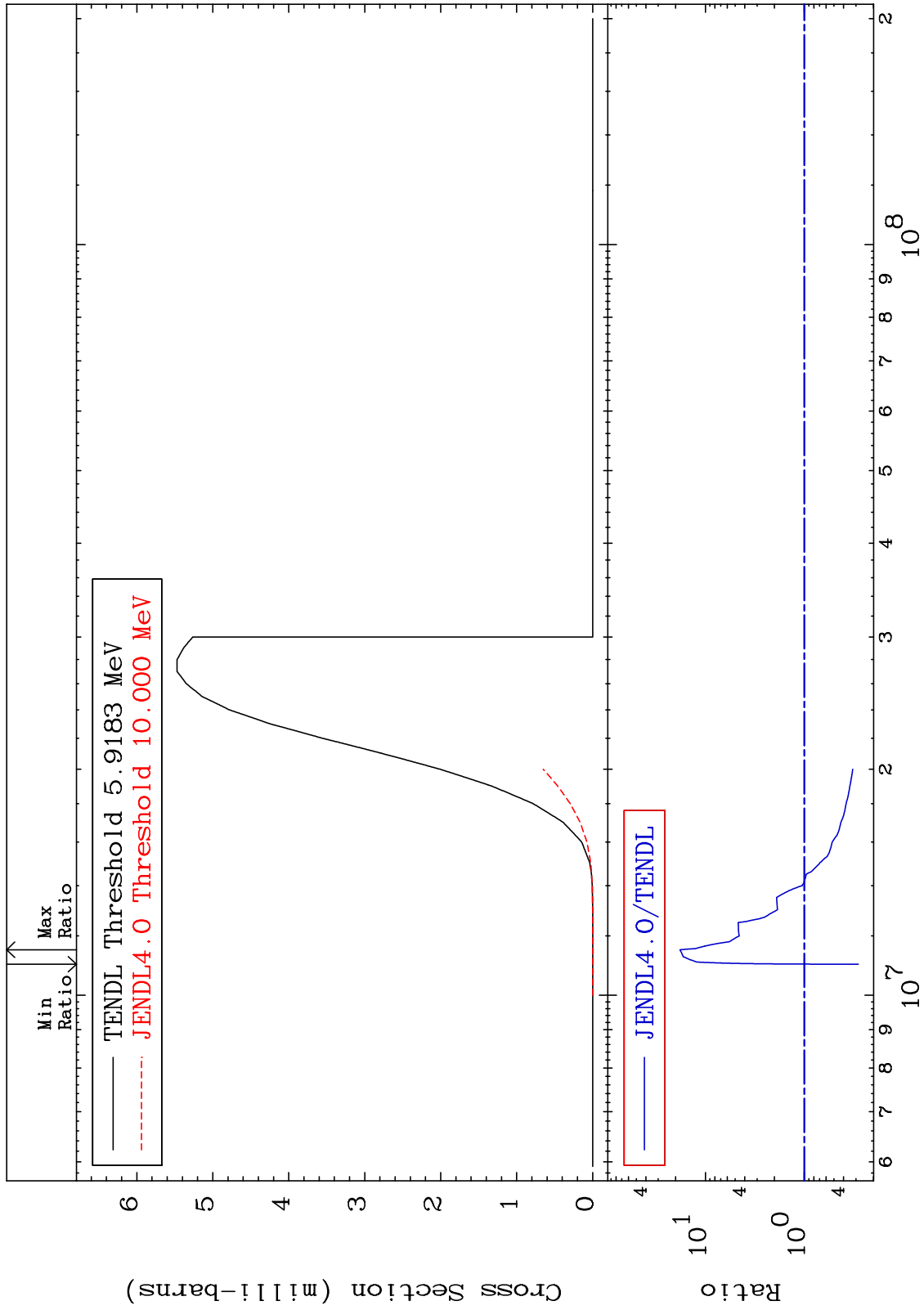
MAT 7231

(n, t)

72-Hf-176

Cross Section

-71.68 To 1704. %



43

72-Hf-176

72-Hf-176

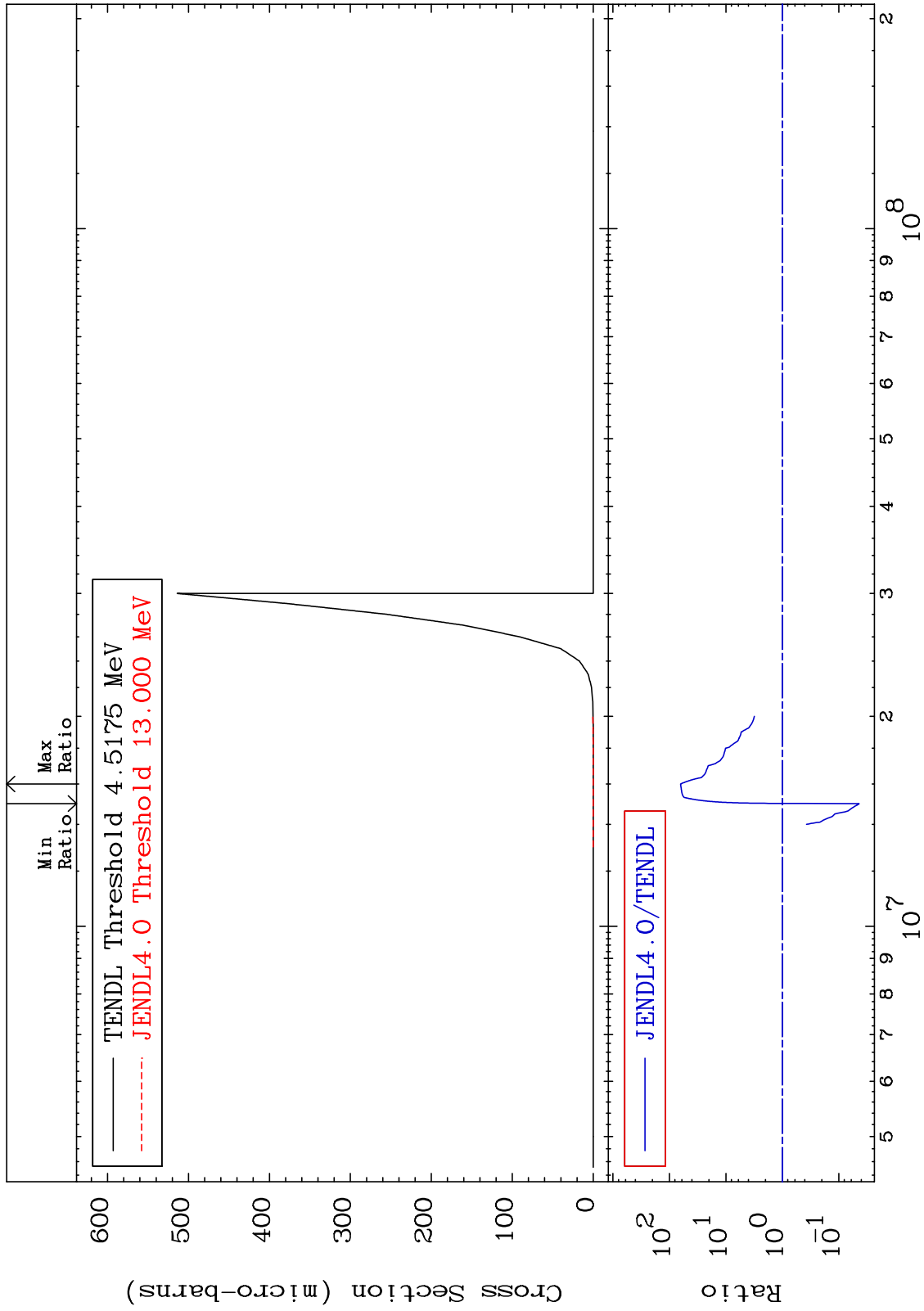
MAT 7231

(n, He-3)

72-Hf-176

Cross Section

-95.64 To 6239. %



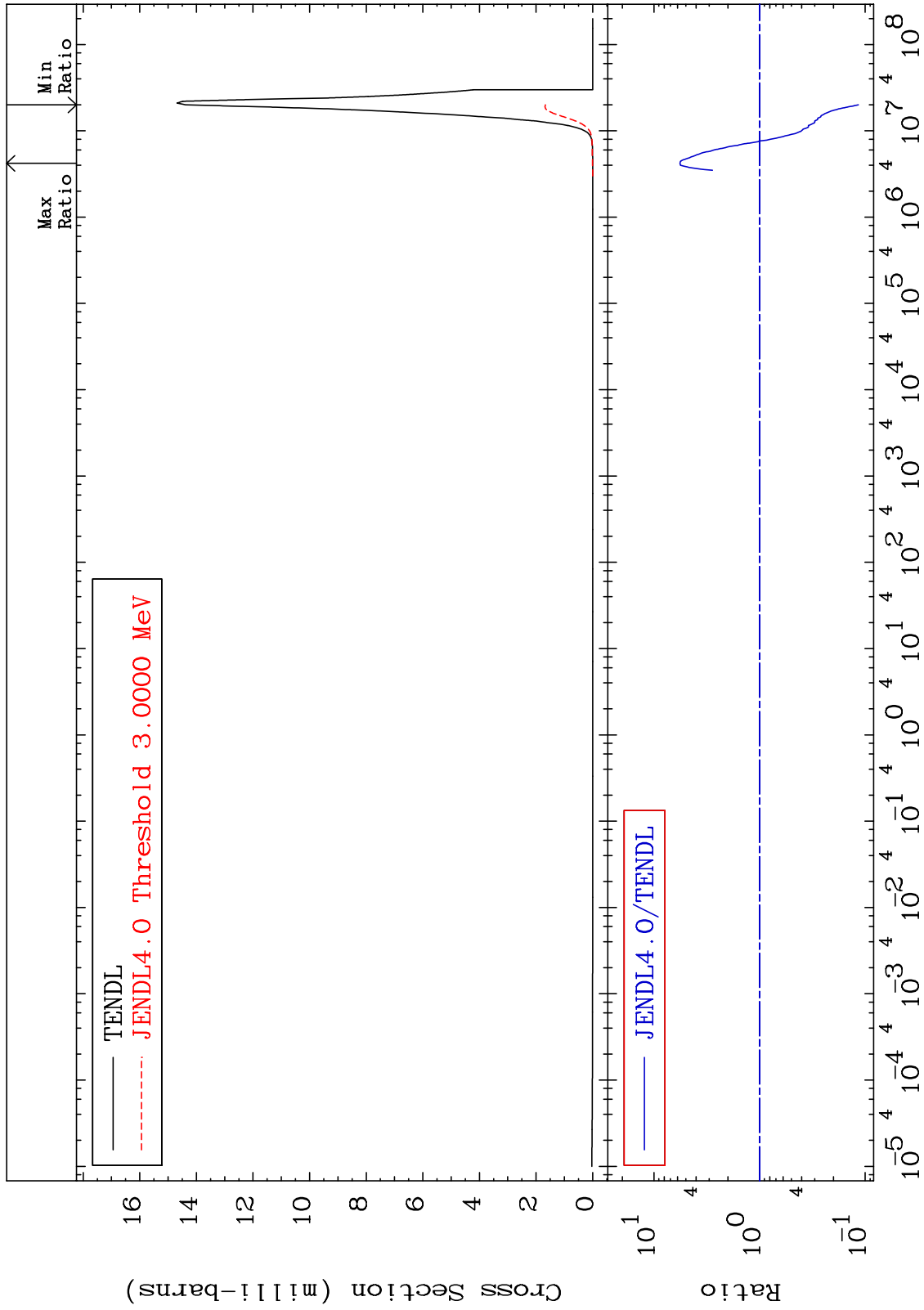
MAT 7231

(n, α)

72-Hf-176

Cross Section

-88.40 To 467.7 %



45

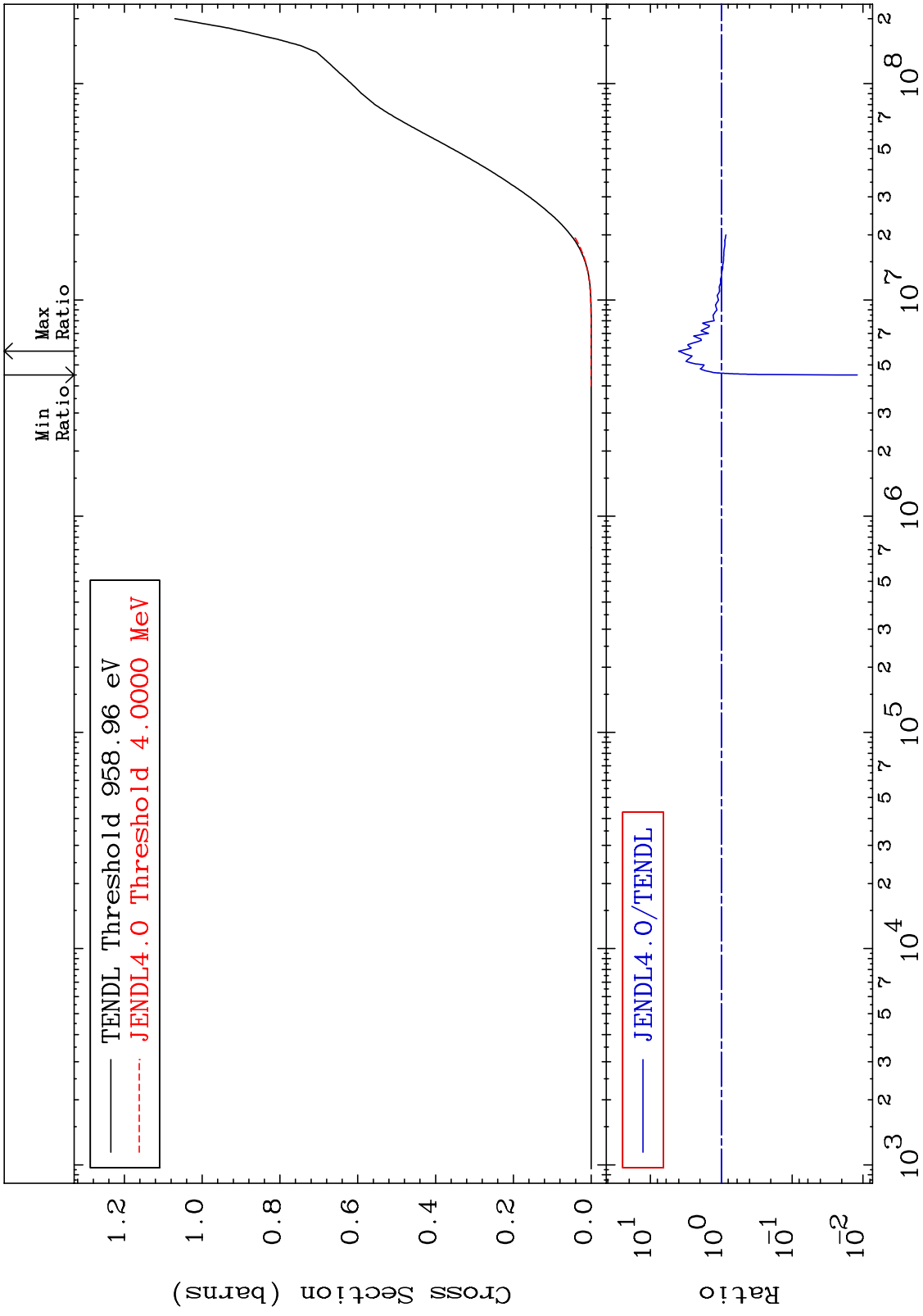
Incident Energy (eV)

72-Hf-176

MAT 7231

Hydrogen Production
Cross Section

72-Hf-176
-98.80 To 300.5 %



46

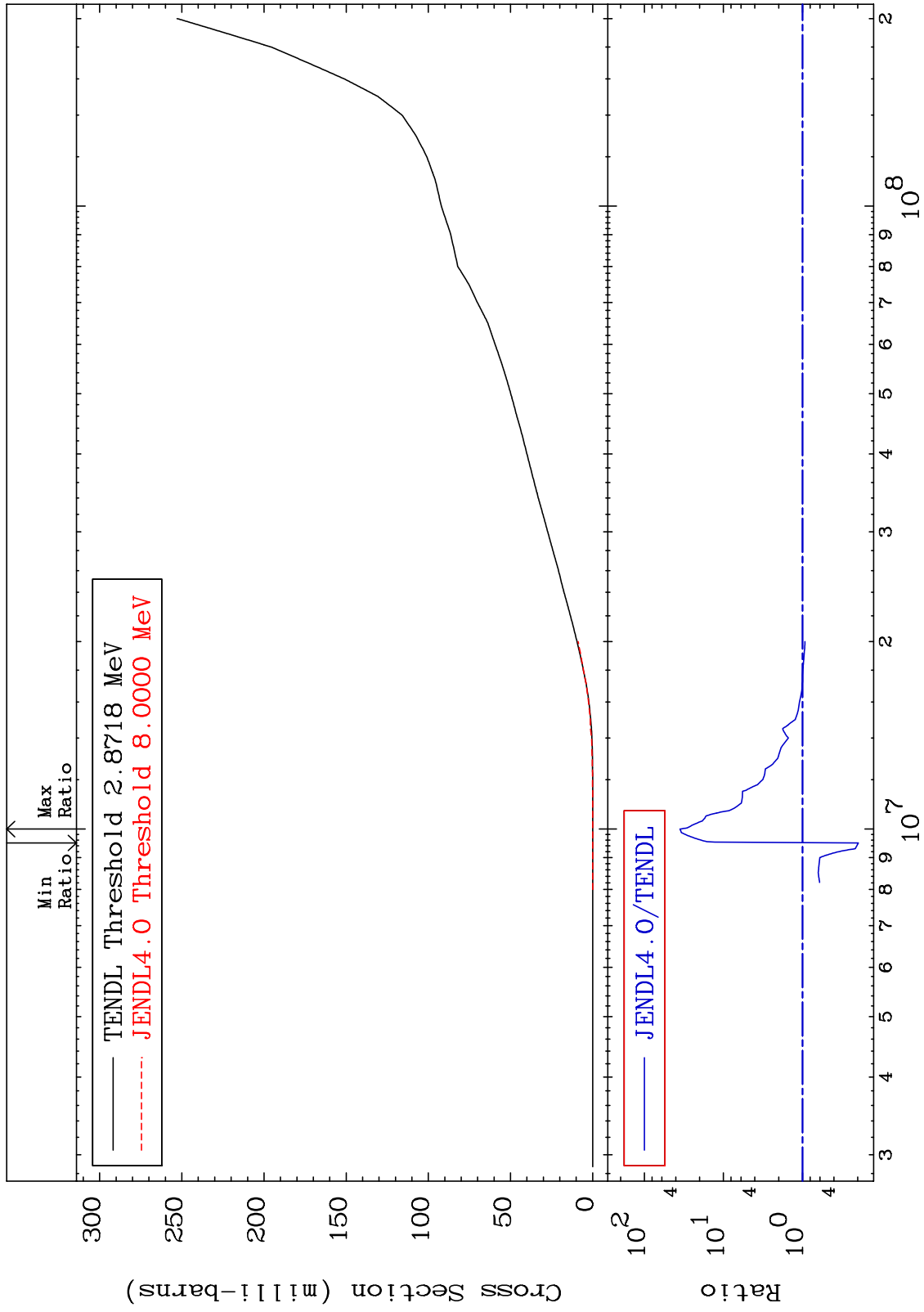
Incident Energy (eV)

72-Hf-176

MAT 7231

Deuterium Production
Cross Section

⁷²Hf-176
-80.38 To 3437. %



47

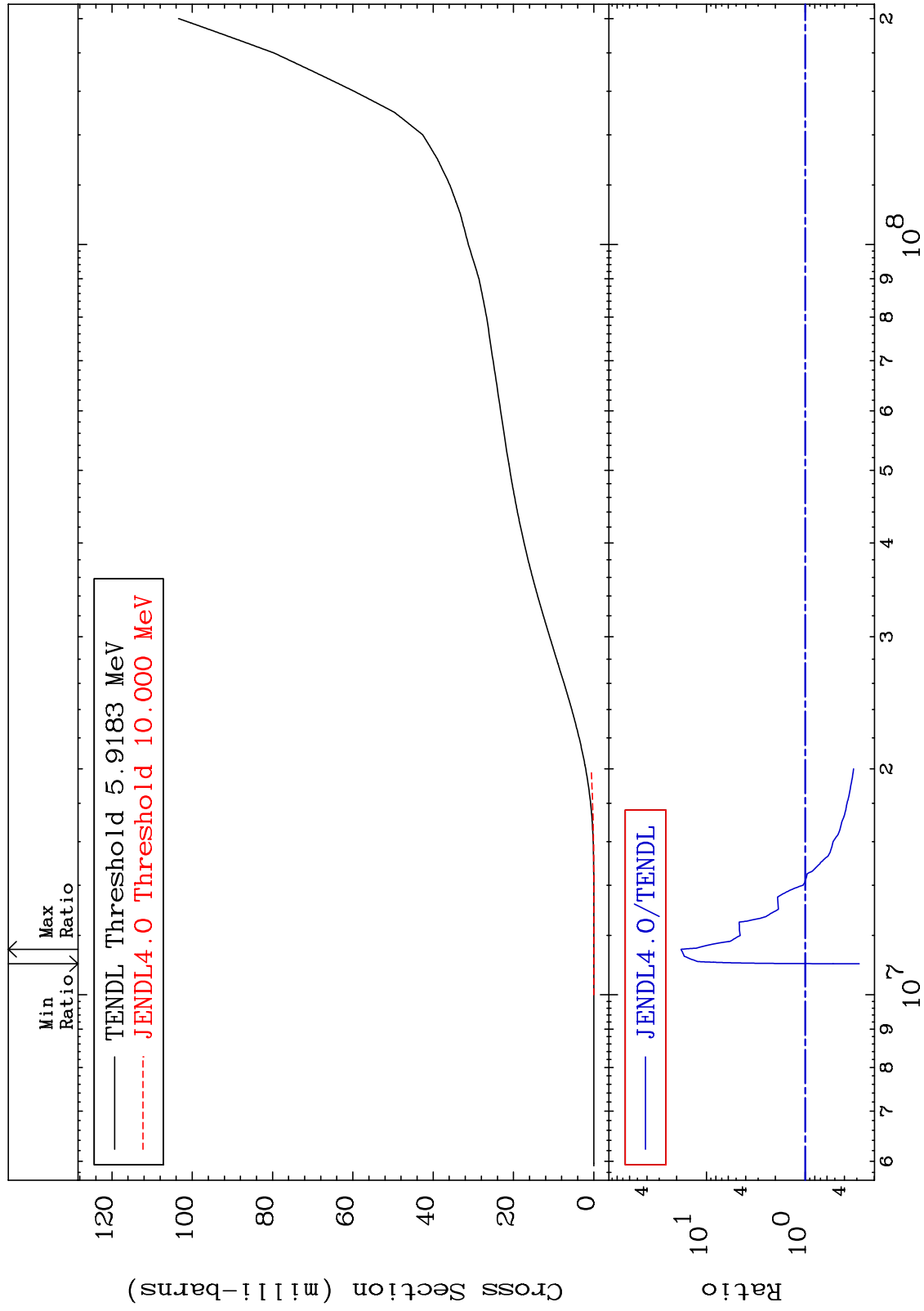
Incident Energy (eV)

⁷²Hf-176

MAT 7231

Tritium Production
Cross Section

⁷²Hf-176
-71.68 To 1704. %



48

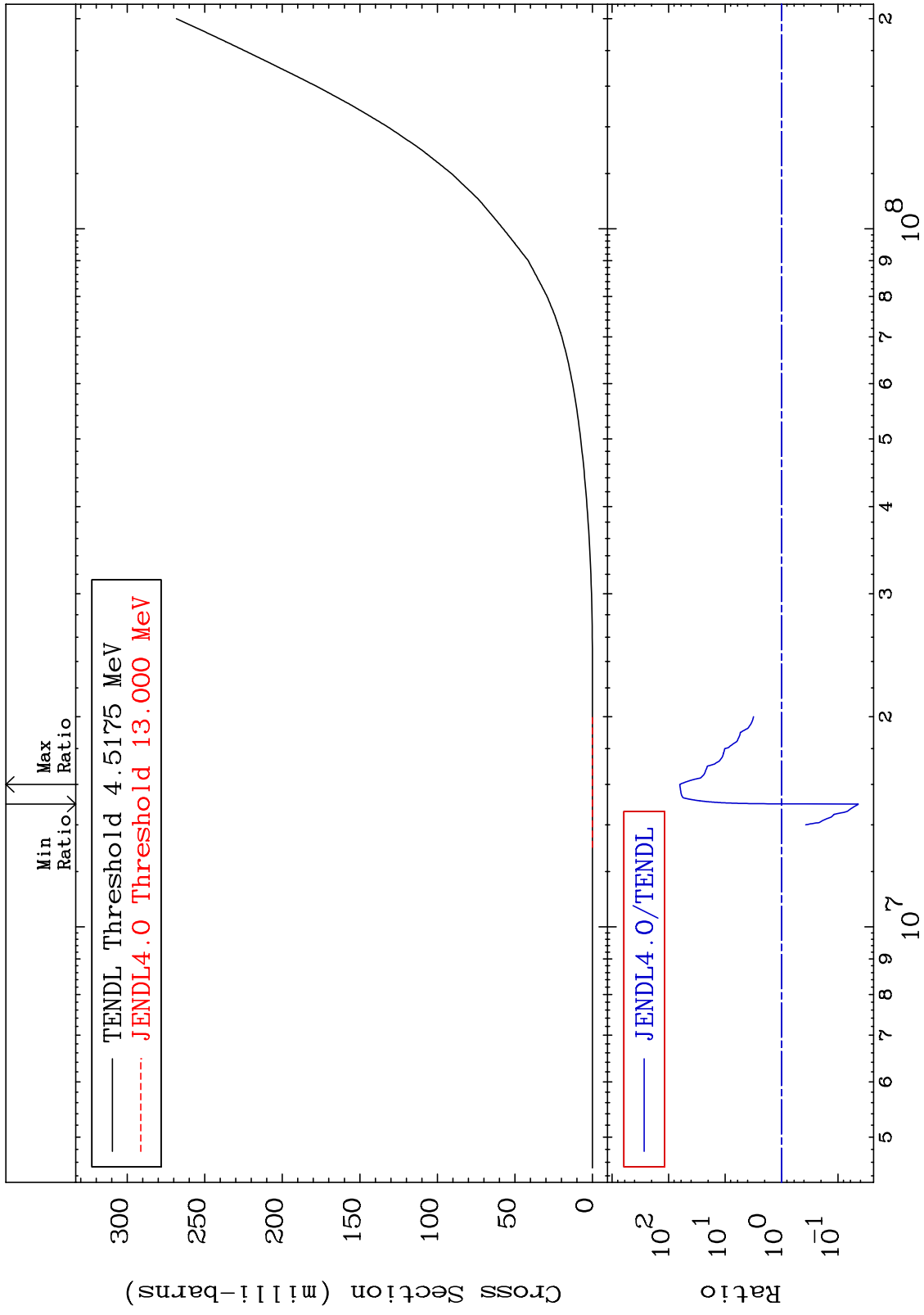
Incident Energy (eV)

⁷²Hf-176

MAT 7231

He-3 Production
Cross Section

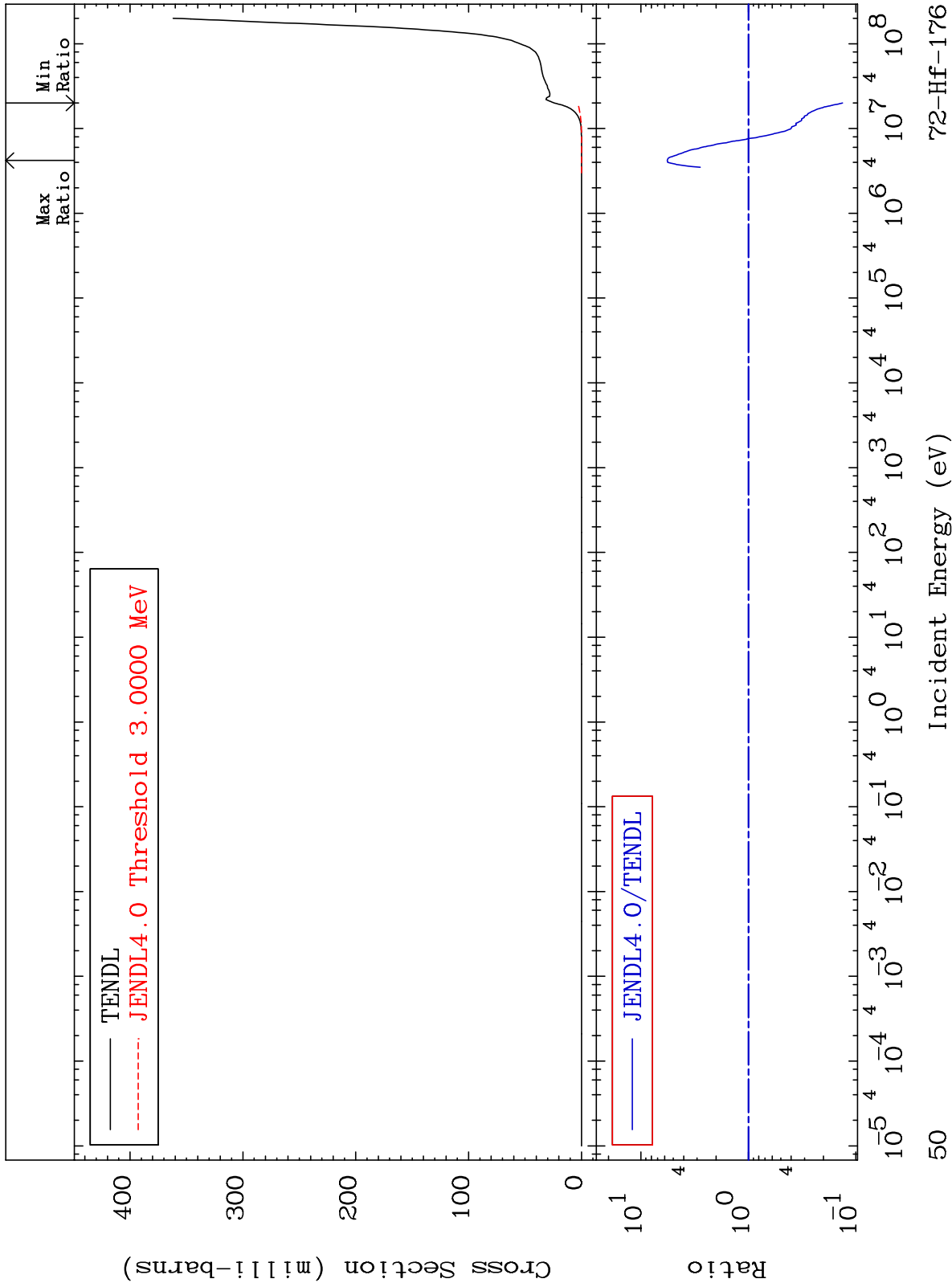
⁷²Hf-176
-95.64 To 6239. %



MAT 7231

He-4 Production
Cross Section

72-Hf-176
-86.70 To 467.7 %



50

Incident Energy (eV)

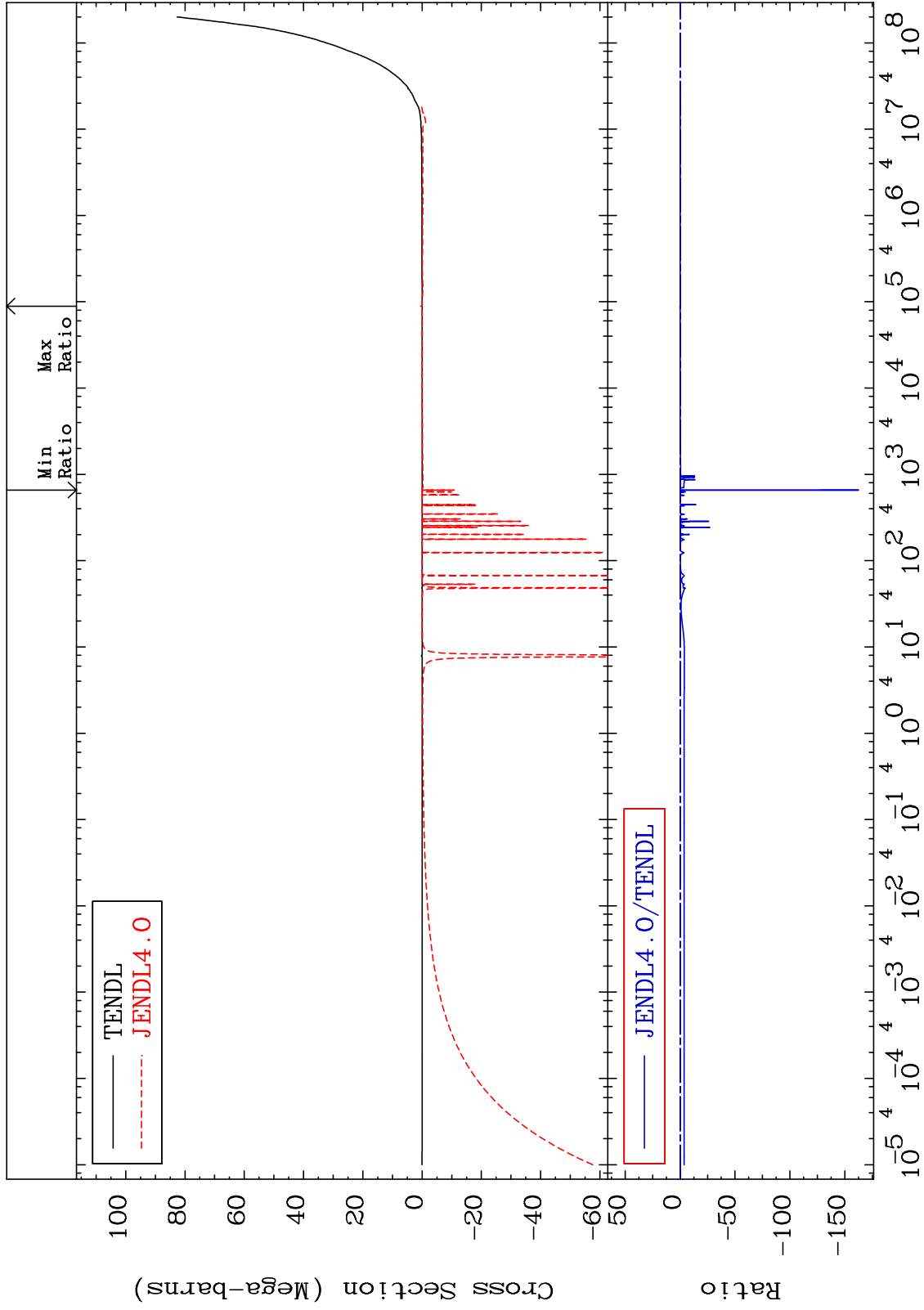
72-Hf-176

MAT 7231

Kerma total (eV-barns)
Cross Section

72-Hf-176

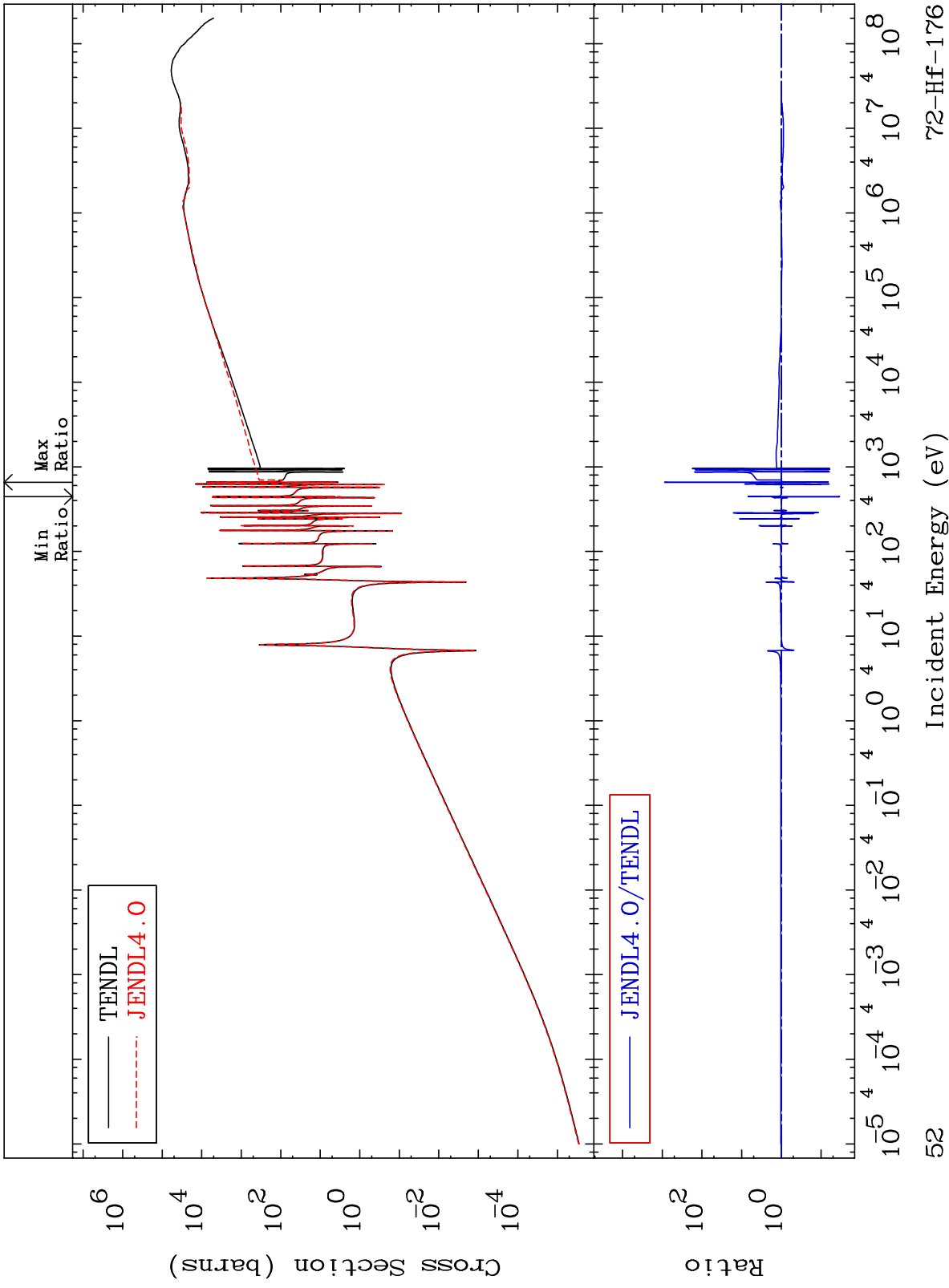
-9999. To 5679. %



MAT 7231

Kerma elastic
Cross Section

72-Hf-176
-96.62 To 9999. %



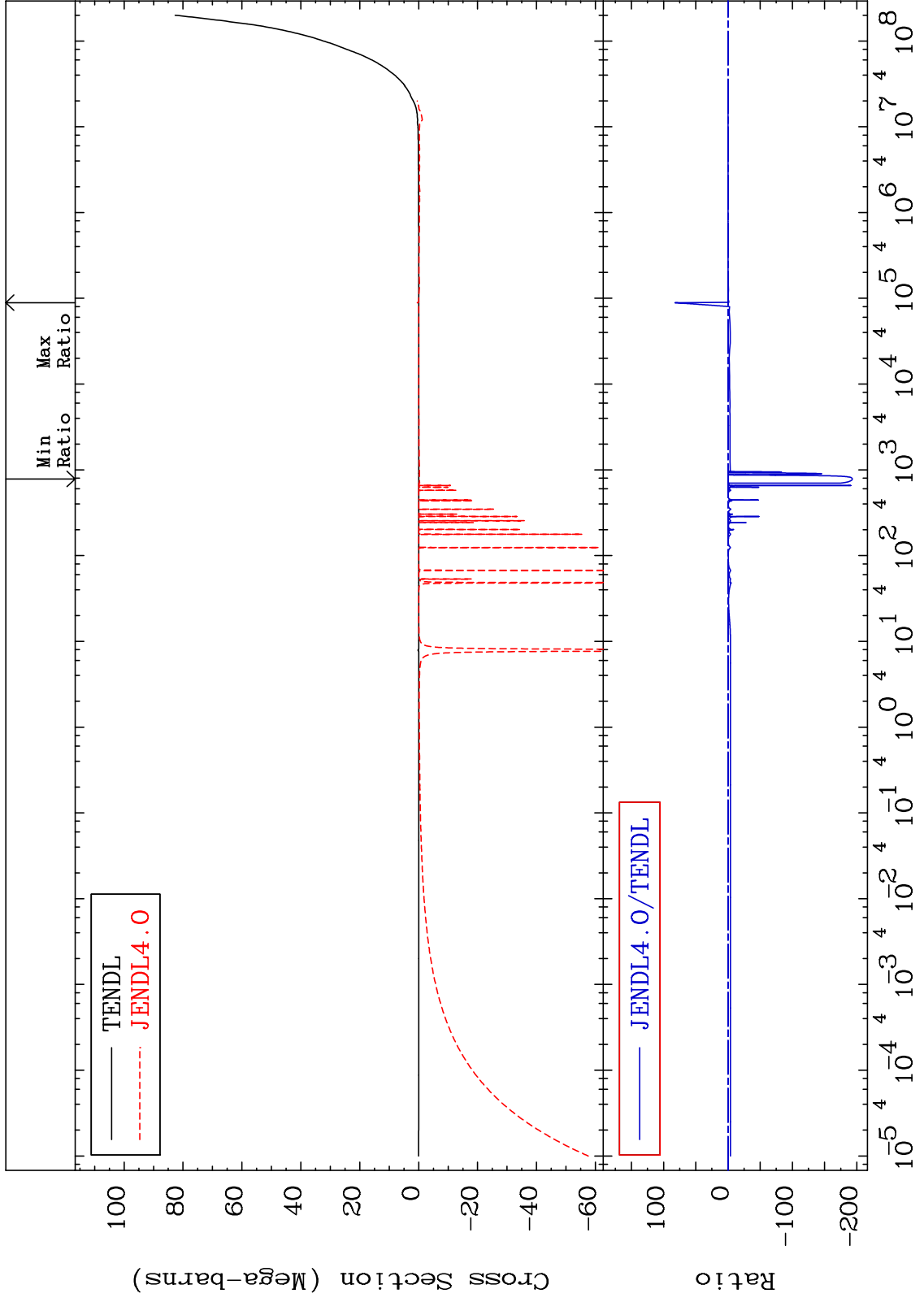
52

72-Hf-176

MAT 7231

Kerma non-elastic (all but mt2)
Cross Section

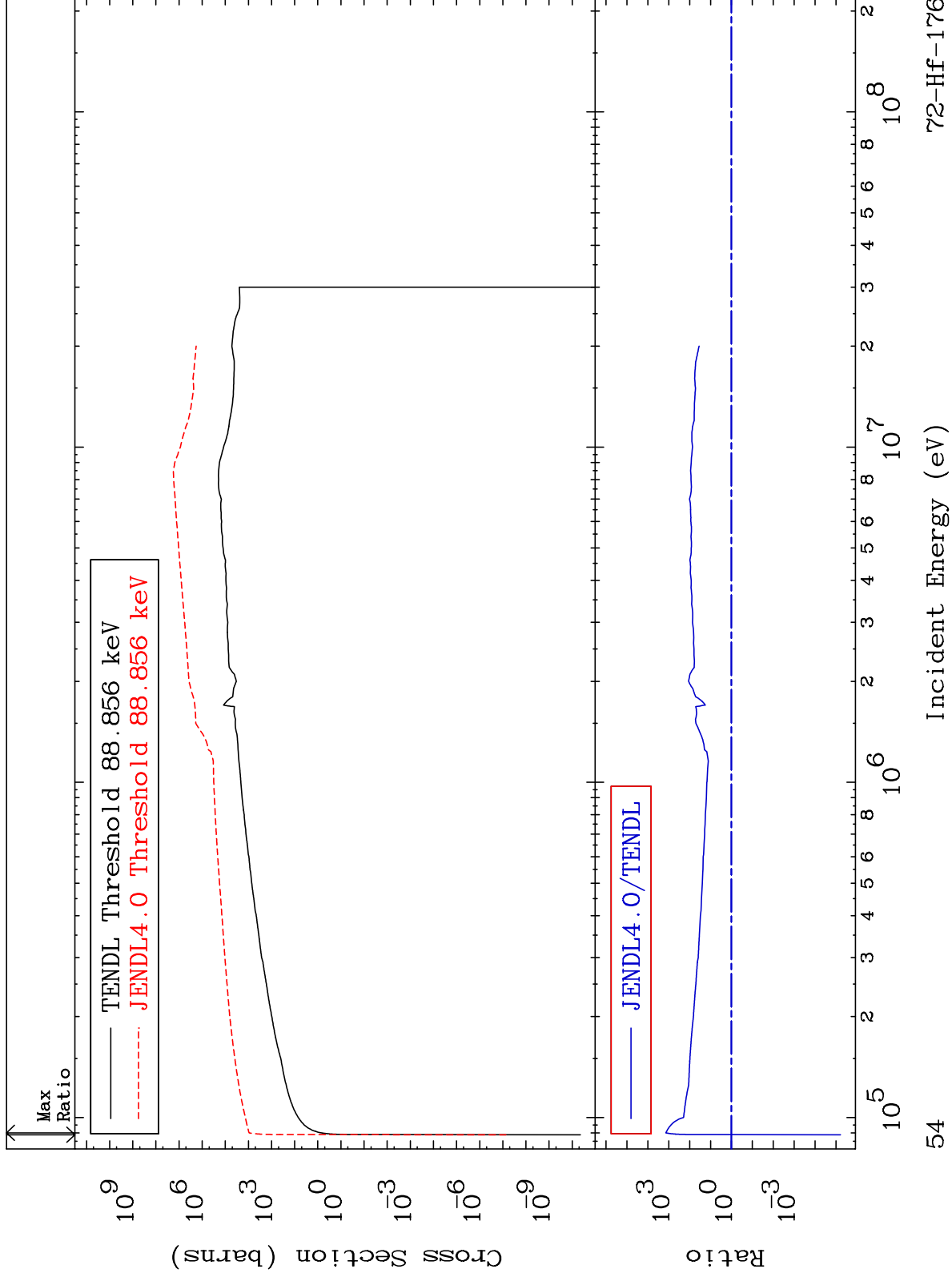
72-Hf-176
-9999. To 9999. %



MAT 7231

Kerma inelastic (mt51-91)
Cross Section

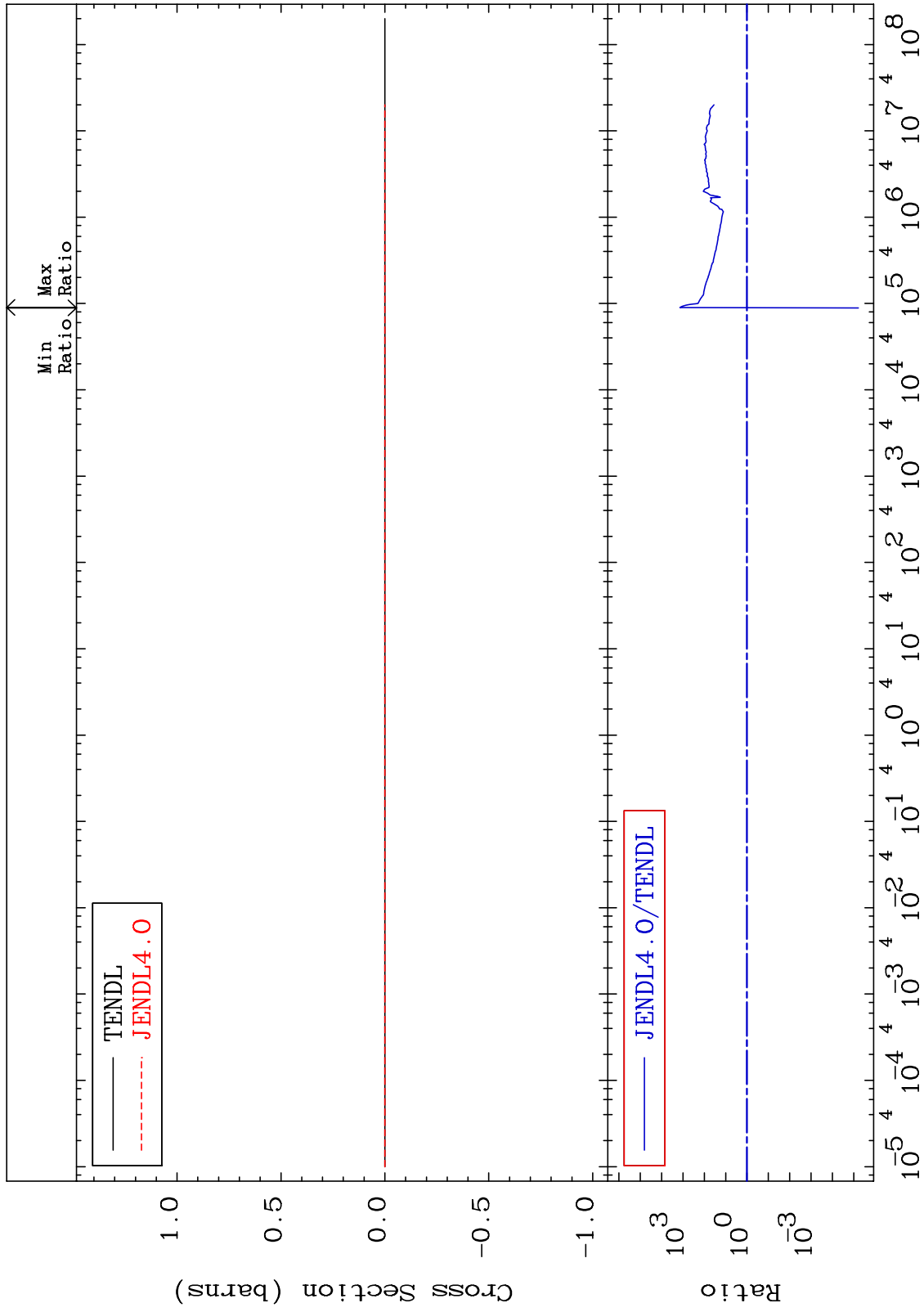
72-Hf-176
-100.0 To 9999. %



MAT 7231

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

72-Hf-176
-100.0 To 9999. %



55

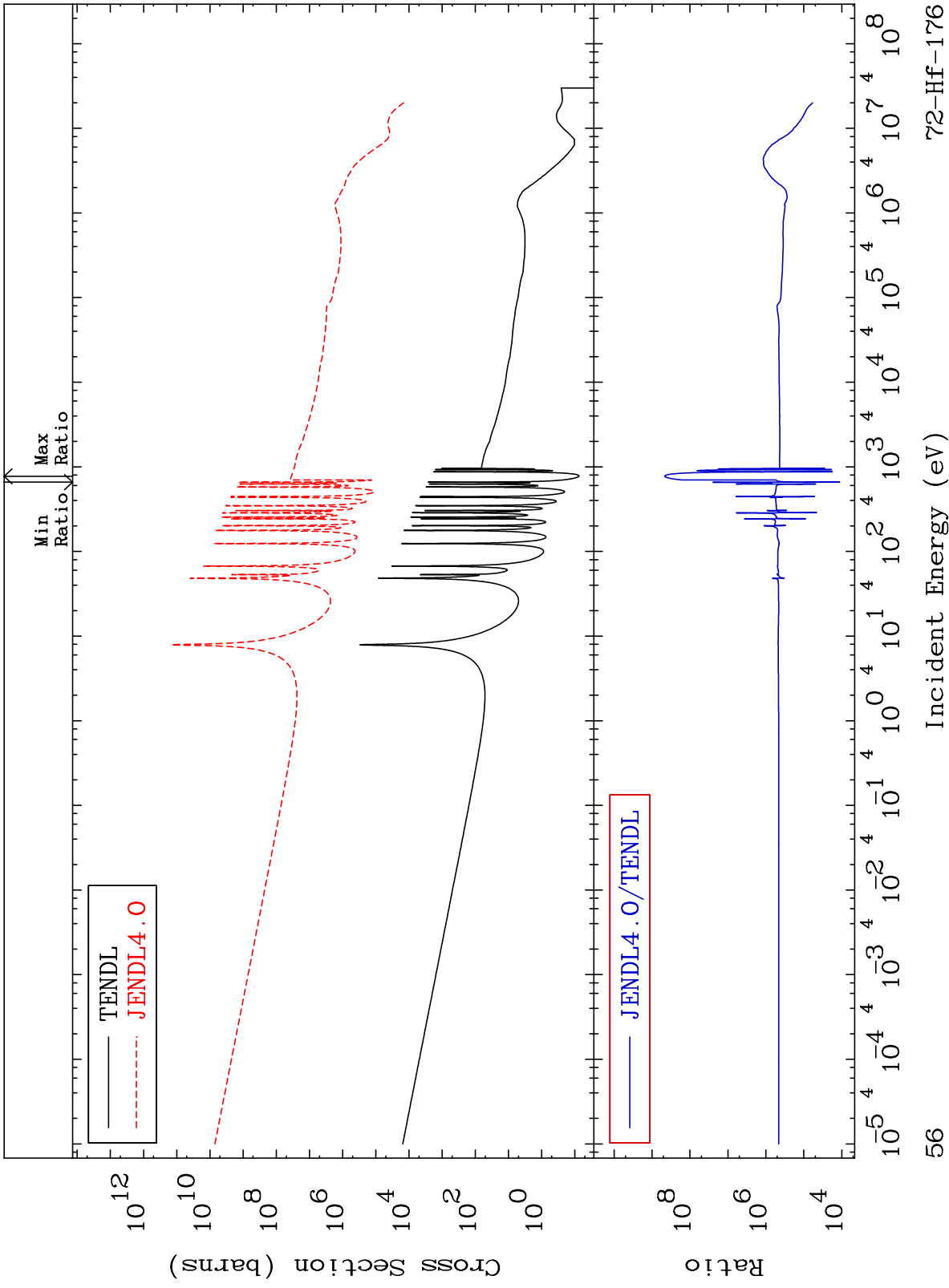
Incident Energy (eV)

72-Hf-176

MAT 7231

Kerma capture (mt102)
Cross Section

72-Hf-176
9999. To 9999. %



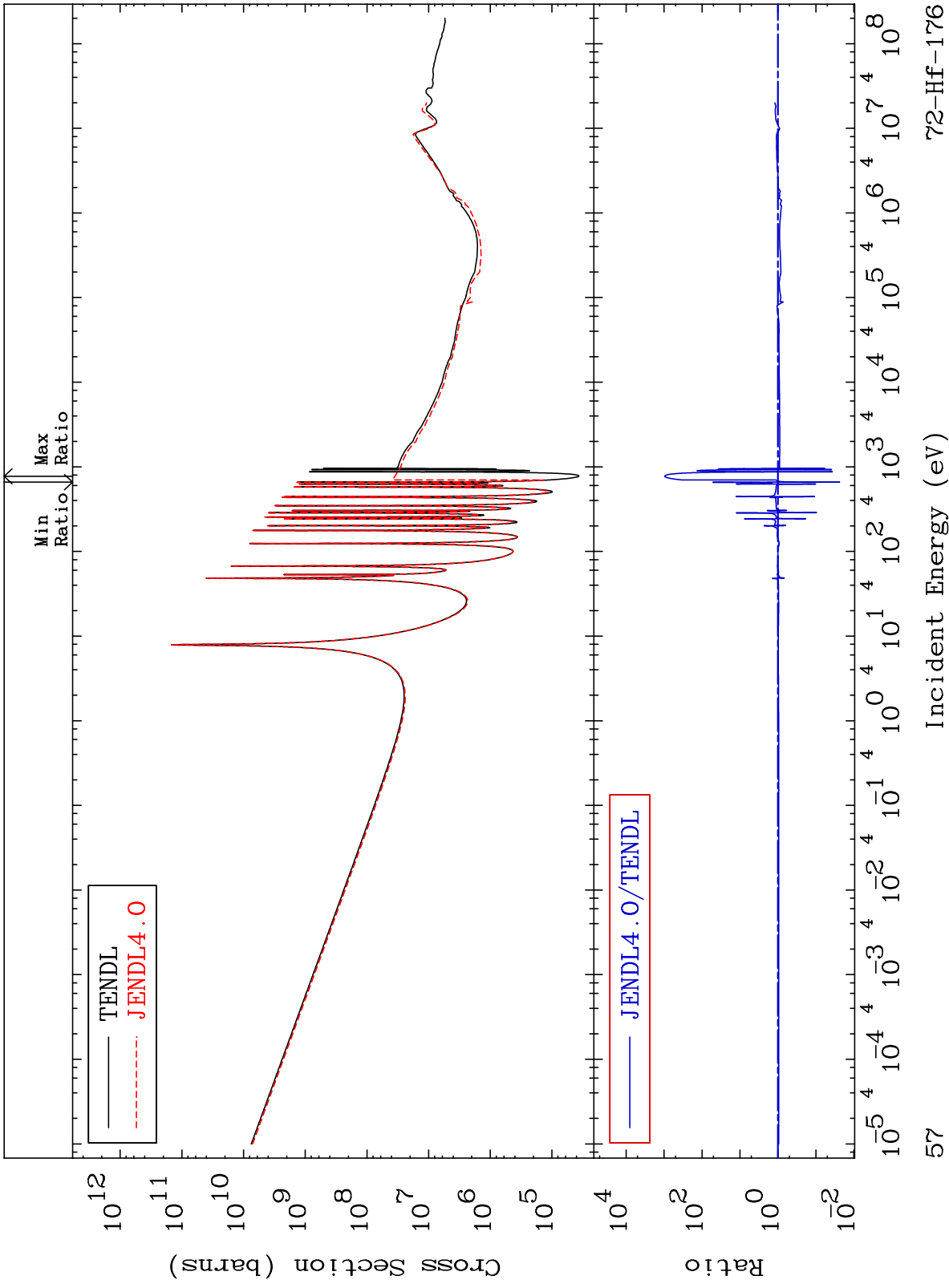
72-Hf-176

Incident Energy (eV)

MAT 7231

Total photon (eV-barns)
Cross Section

72-Hf-176
-97.65 To 9999. %



57

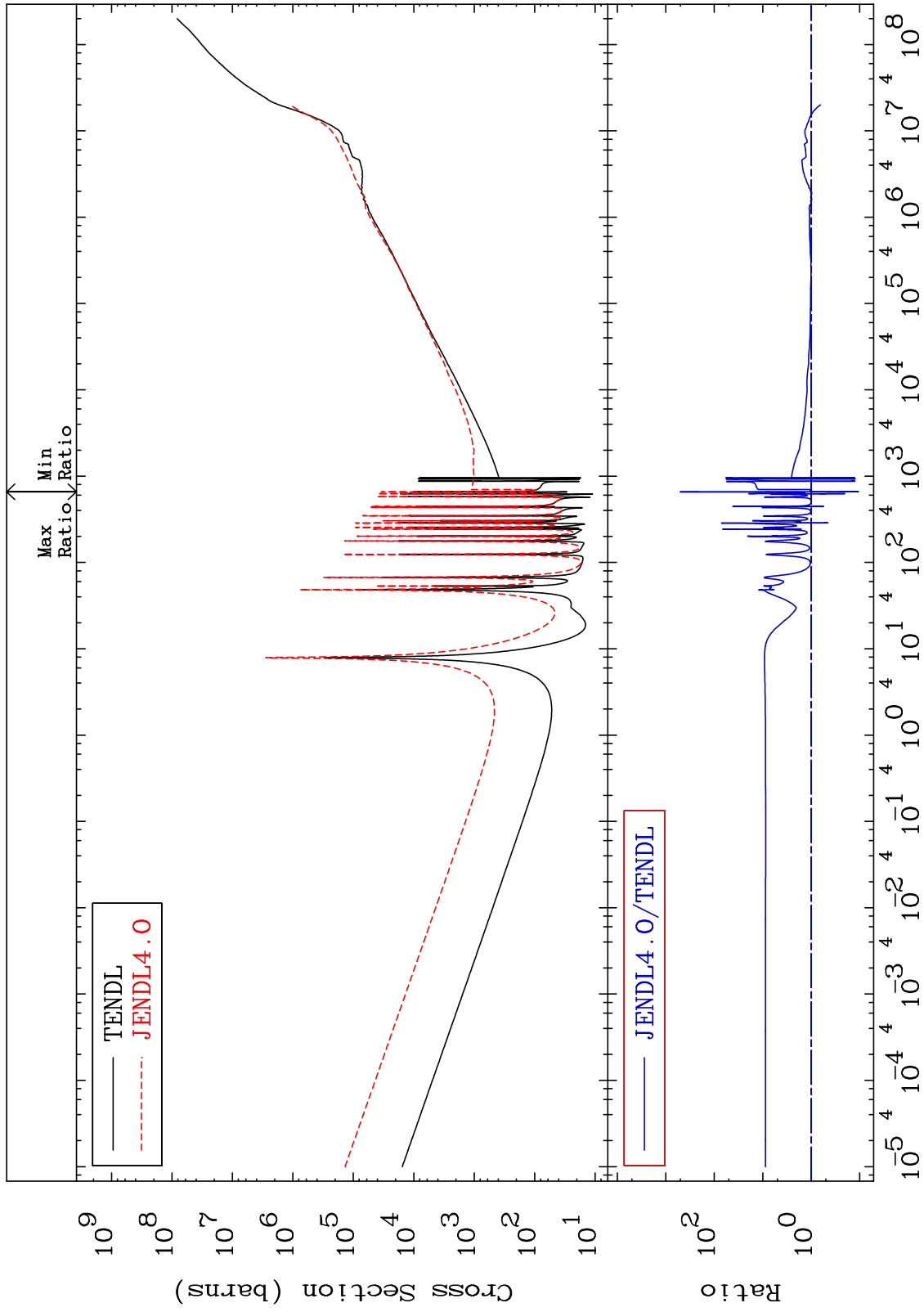
Incident Energy (eV)

72-Hf-176

MAT 7231

Total kinematic kerma (high limit)
Cross Section

72-Hf-176
-89.39 To 9999. %



58

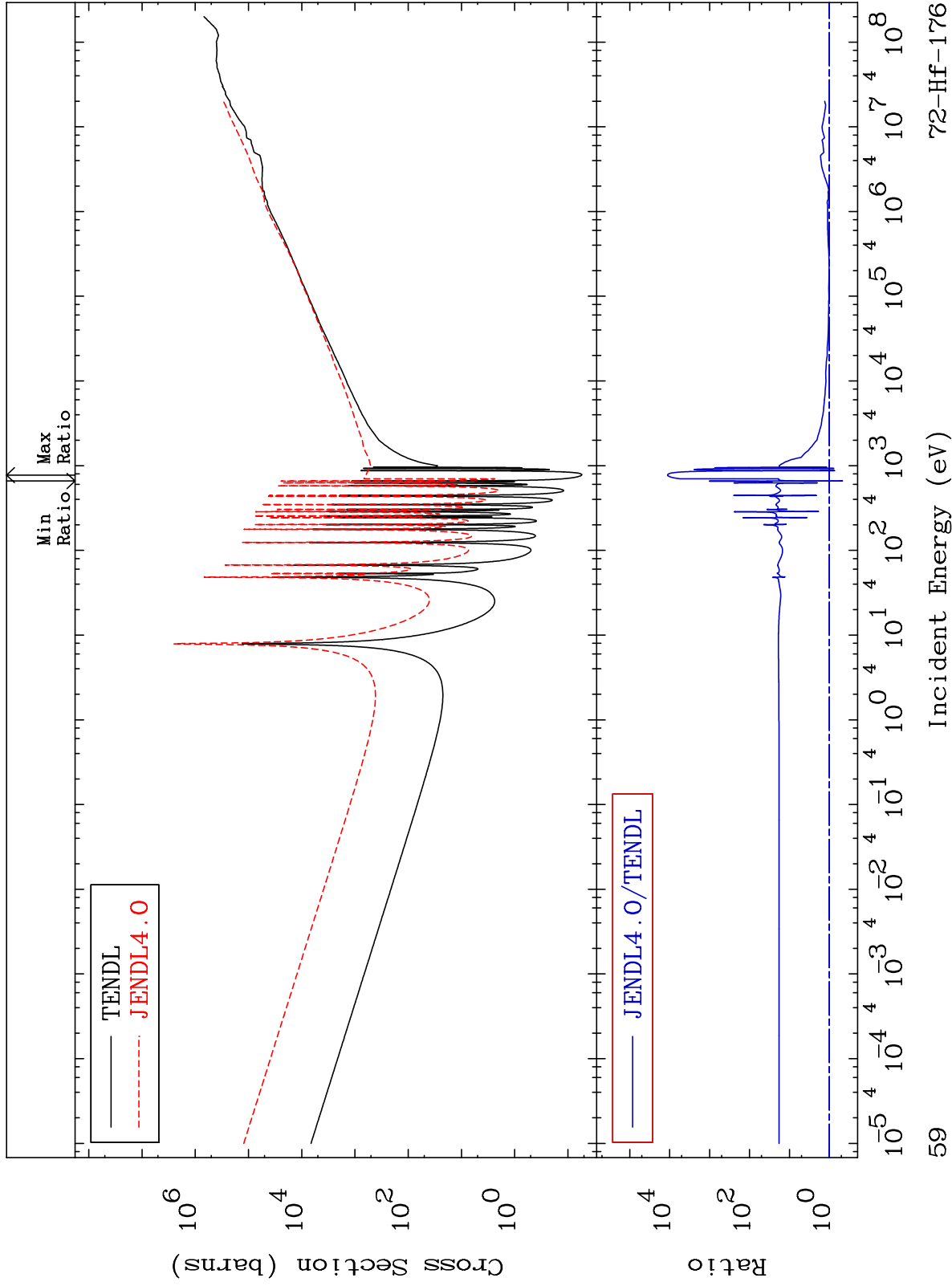
Incident Energy (eV)

72-Hf-176

MAT 7231

Dpa total (eV-barns)
Cross Section

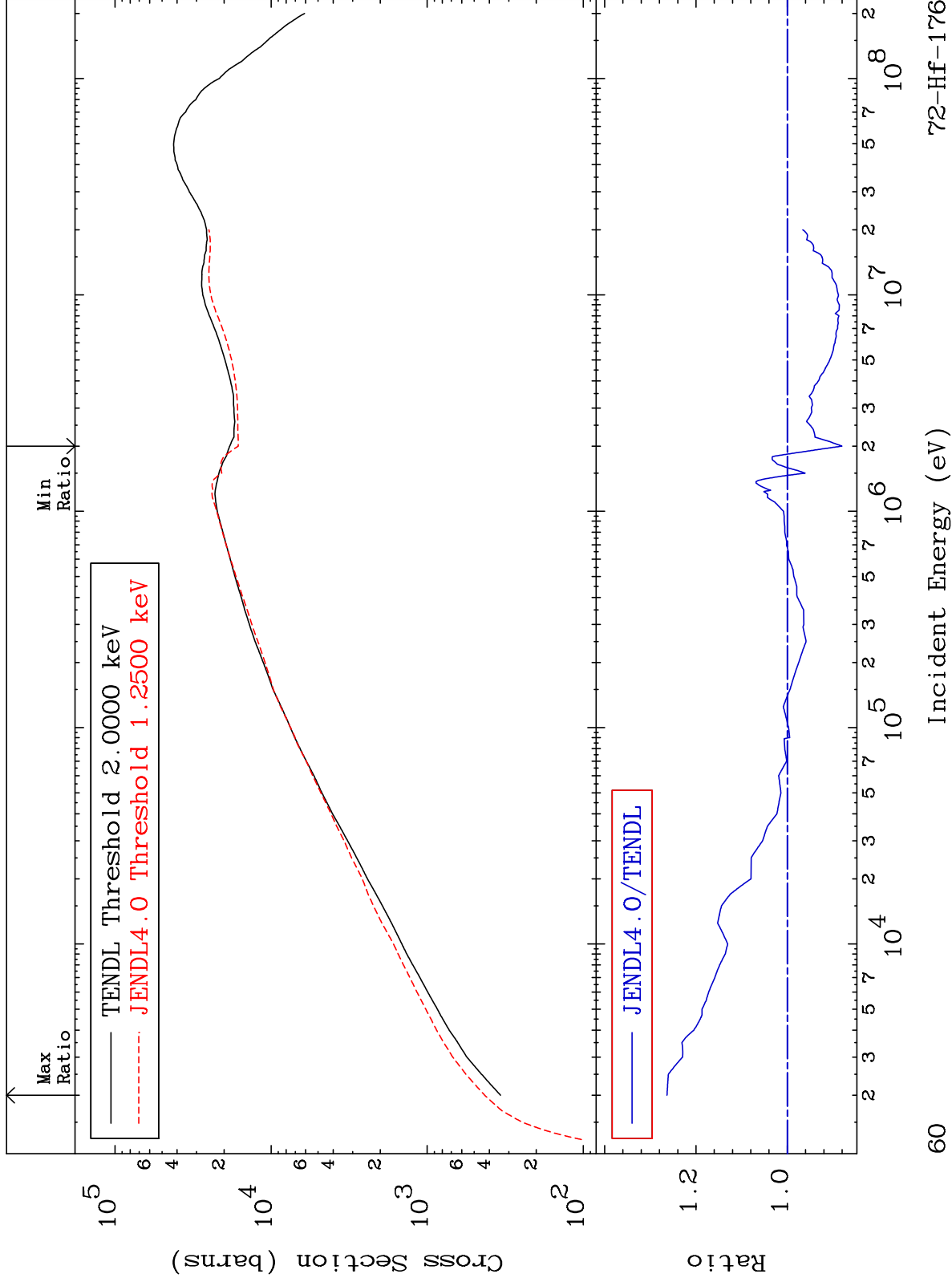
72-Hf-176
-53.50 To 9999. %



MAT 7231

Dpa elastic (mt2)
Cross Section

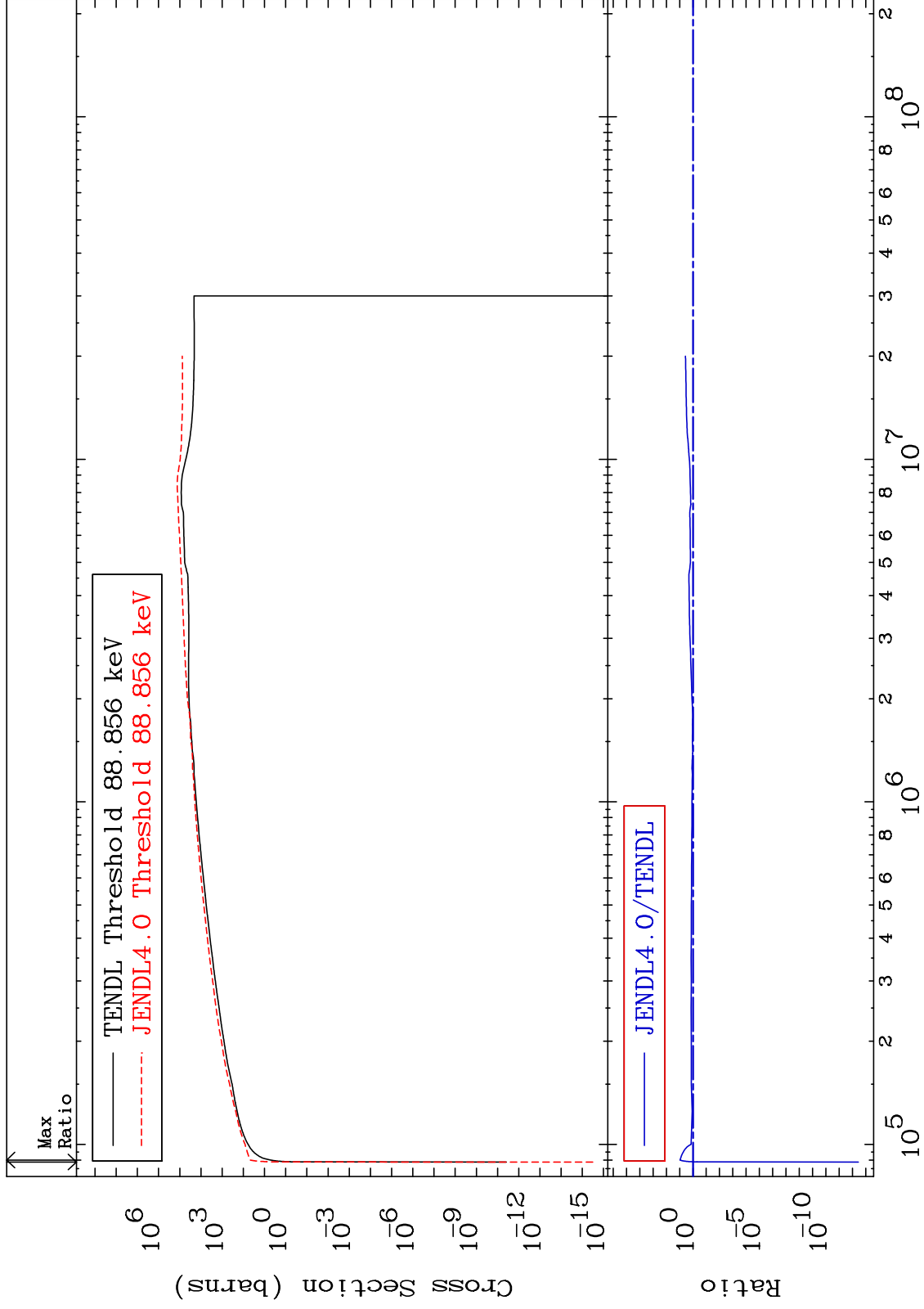
72-Hf-176
-11.97 To 26.36 %



MAT 7231

Dpa inelastic (mt51-91)
Cross Section

72-Hf-176
-100.0 To 835.1 %



61

Incident Energy (eV)

72-Hf-176

MAT 7231

Dpa disappearance (mt102 -120)
Cross Section

72-Hf-176
-53.50 To 9999. %

