

Program Complot
(Version 2018-1)

by

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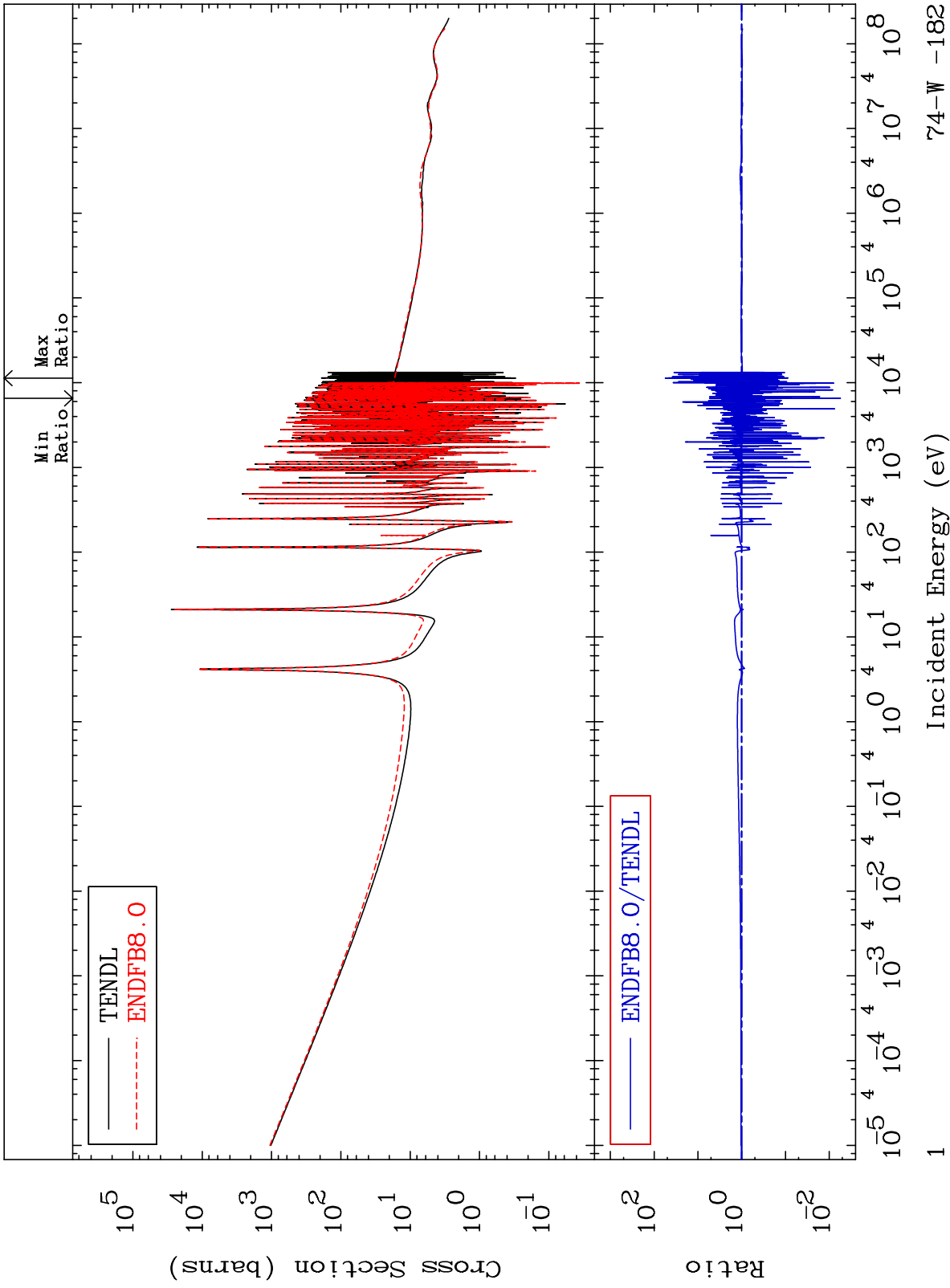
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7431

Total
Cross Section

74-W -182
-99.45 To 5419. %



Incident Energy (eV)

74-W -182

1

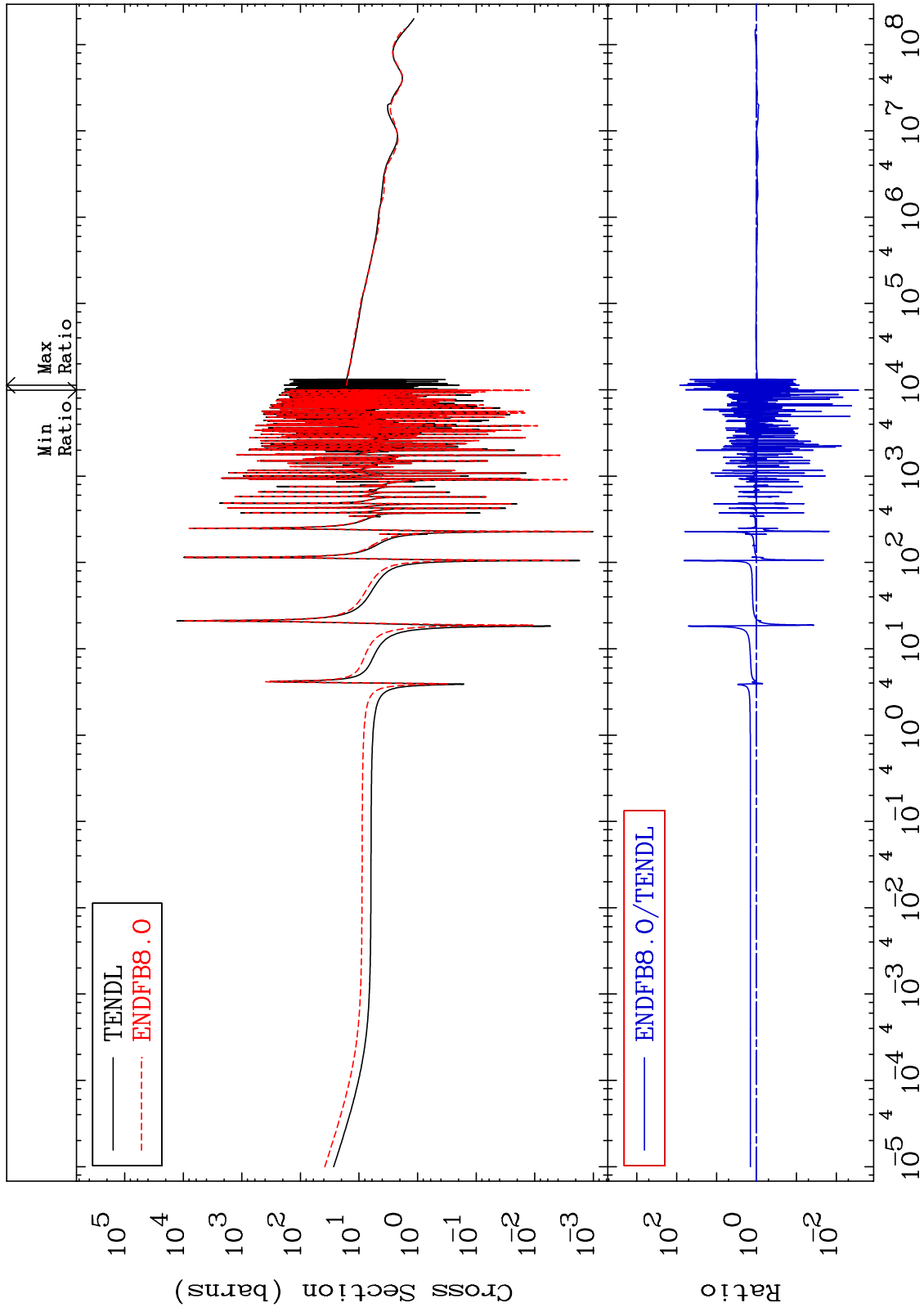
MAT 7431

Elastic

Cross Section

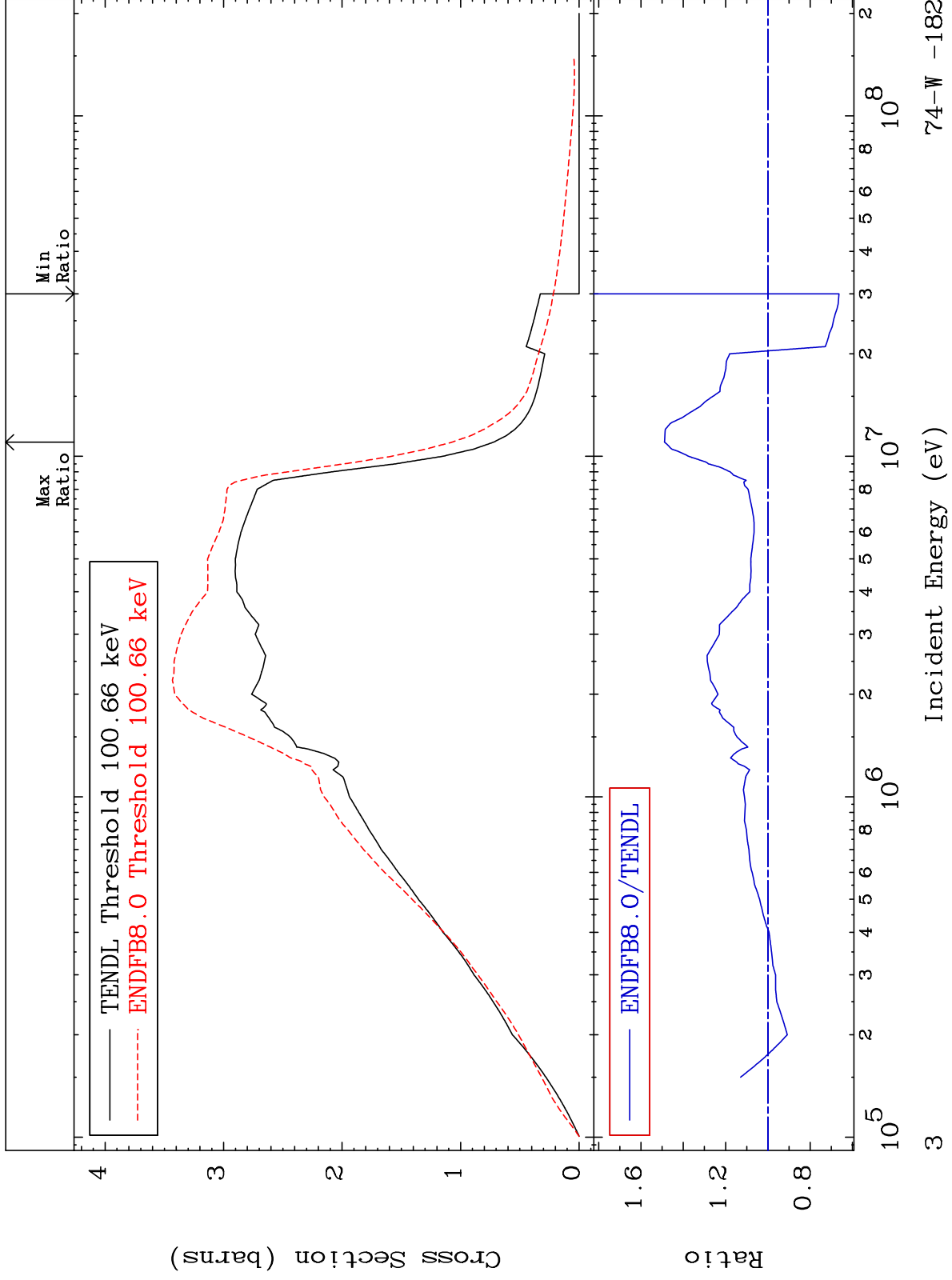
74-W -182

-99.72 To 8136. %



MAT 7431

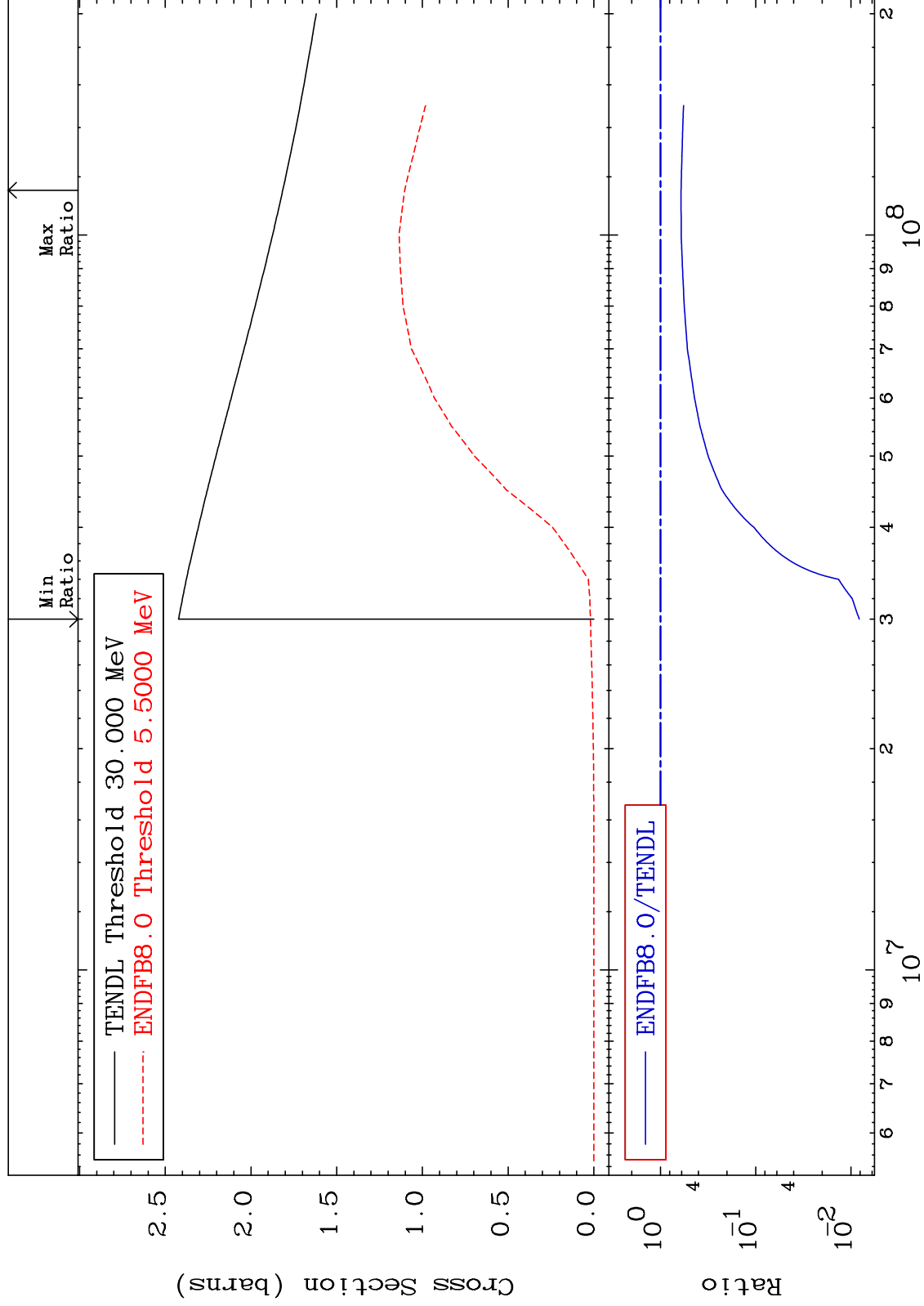
Inelastic Cross Section
74-W -182
-33.66 To 48.89 %



MAT 7431

(n, remainder)
Cross Section

74-W -182
-99.18 To -39.19%



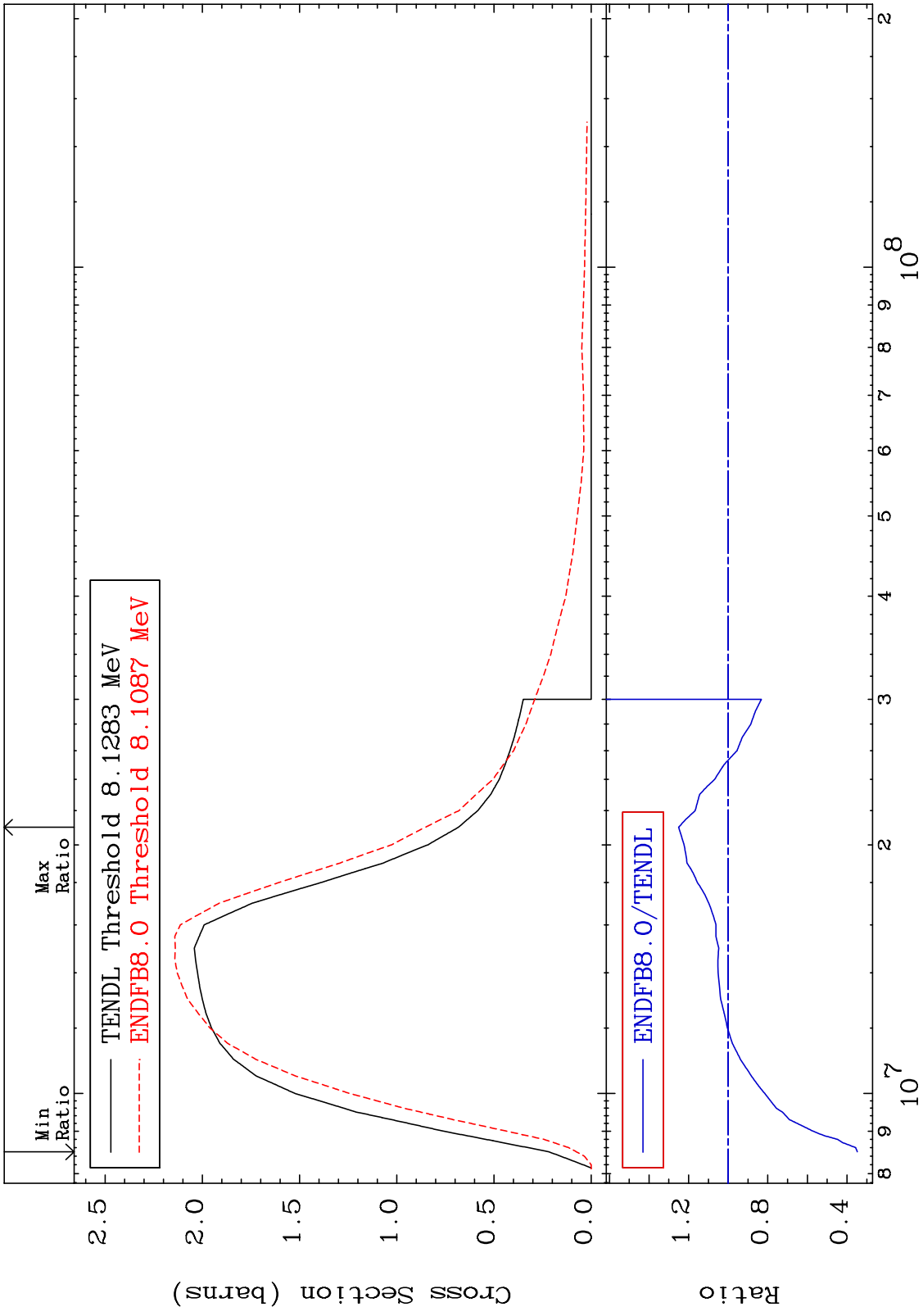
MAT 7431

(n,2n)

74-W -182

Cross Section

-65.22 To 25.04 %



Incident Energy (eV)

74-W -182

5

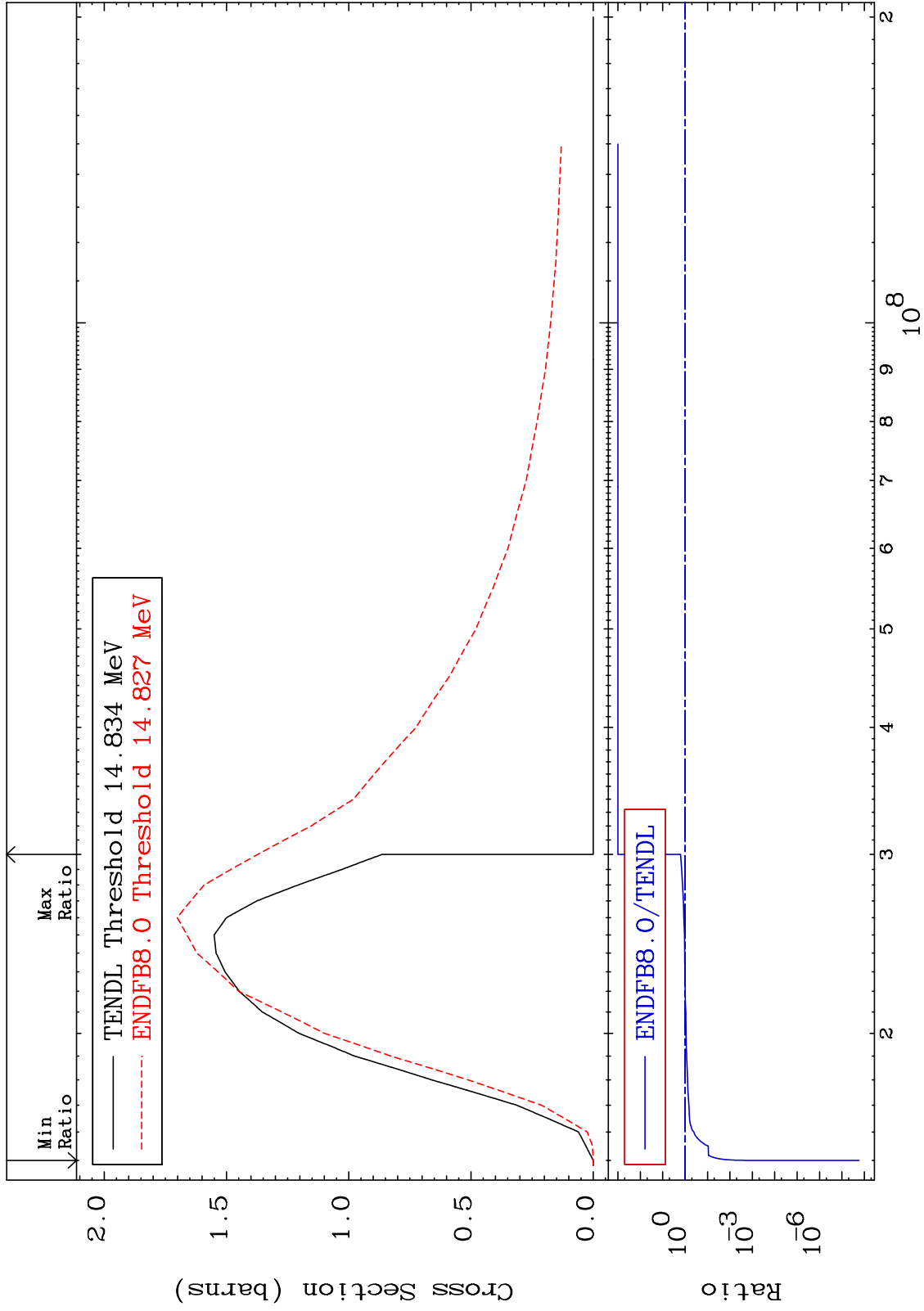
MAT 7431

(n, 3n)

74-W -182

Cross Section

-100.0 To 58.72 %



6

74-W -182

74-W -182

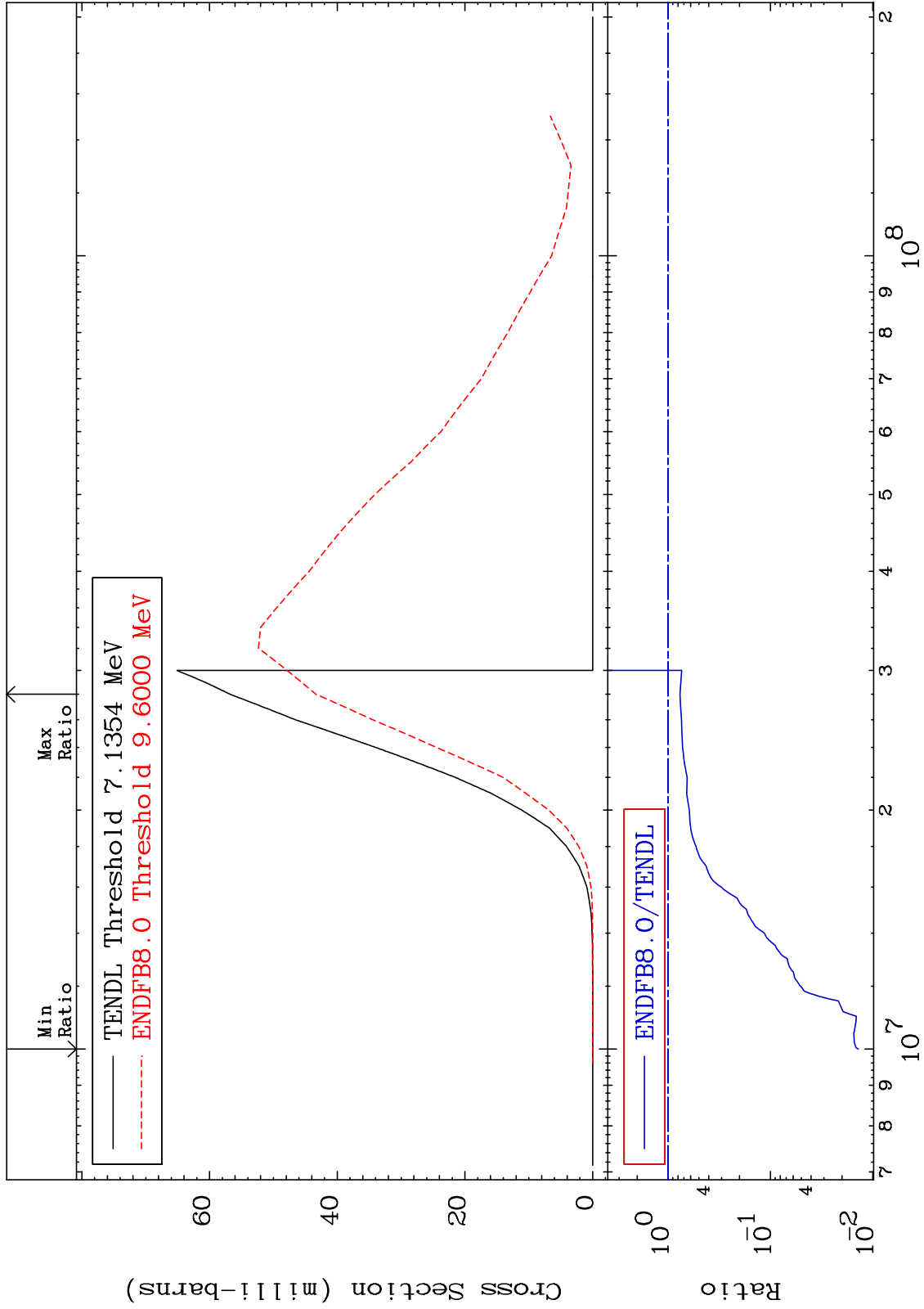
MAT 7431

(n,n') p

74-W -182

Cross Section

-98.62 To -23.65%



Incident Energy (eV)

74-W -182

7

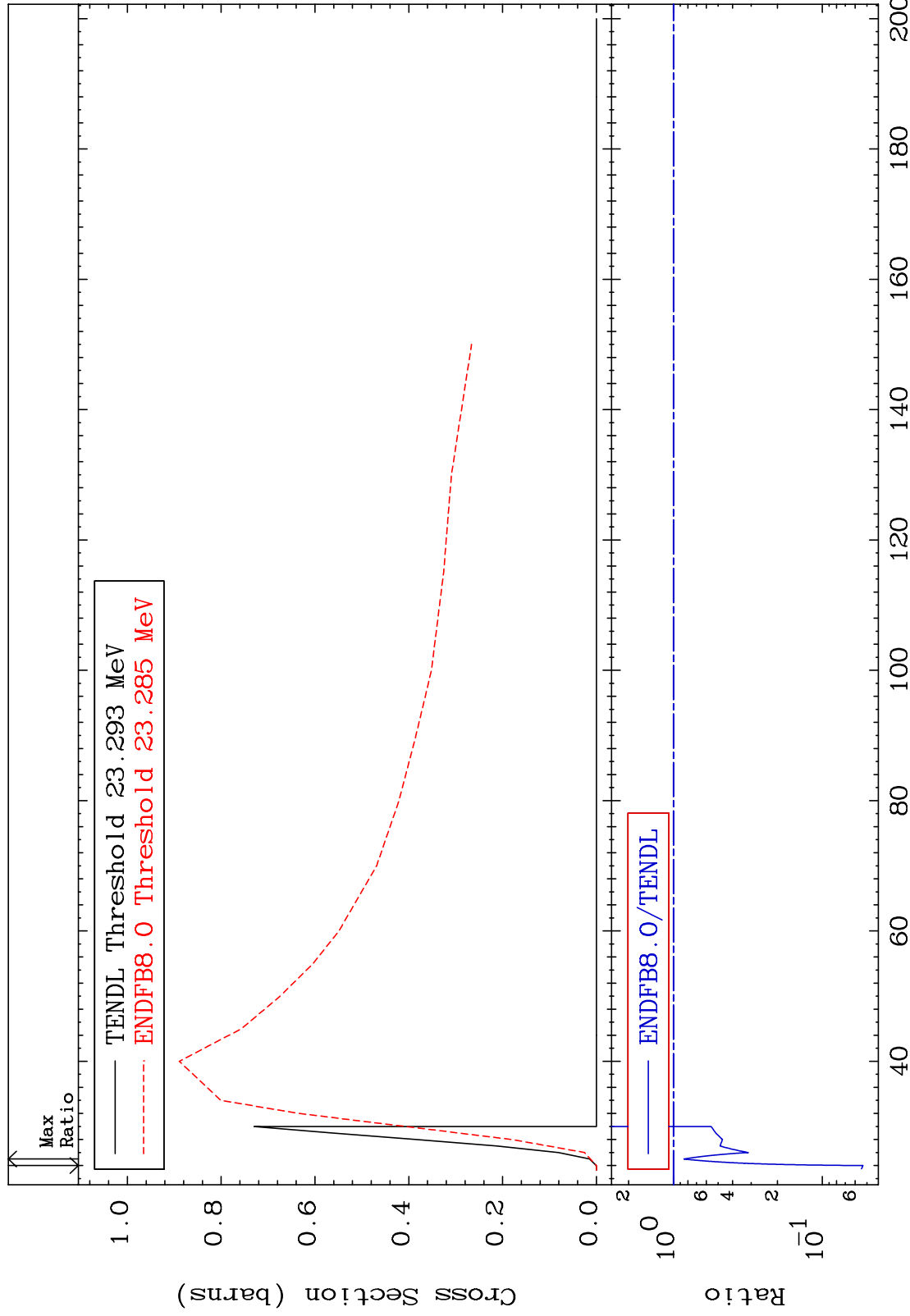
MAT 7431

(n, 4n)

74-W -182

Cross Section

-94.69 To -15.20%



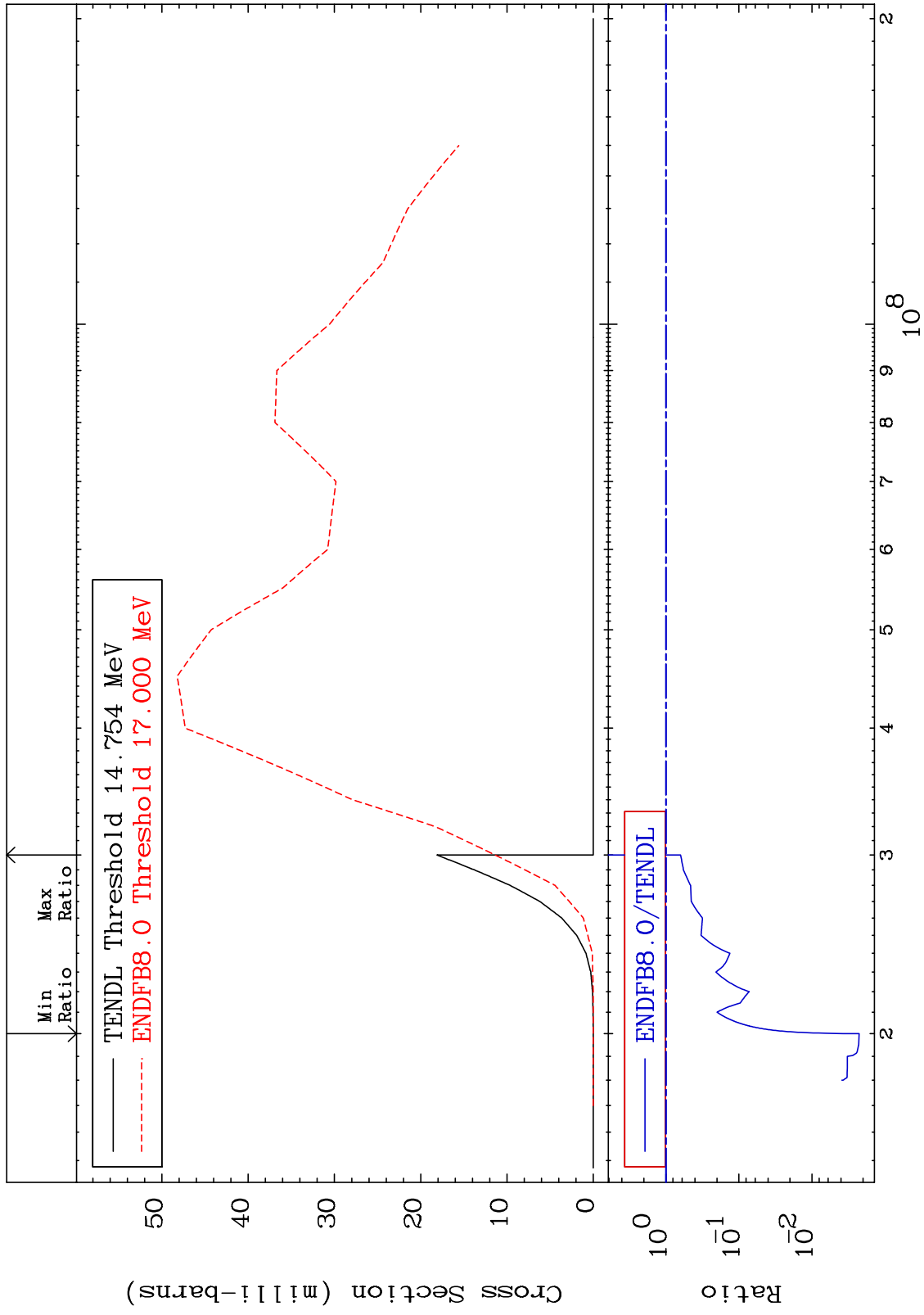
MAT 7431

(n,2n) p

74-W -182

Cross Section

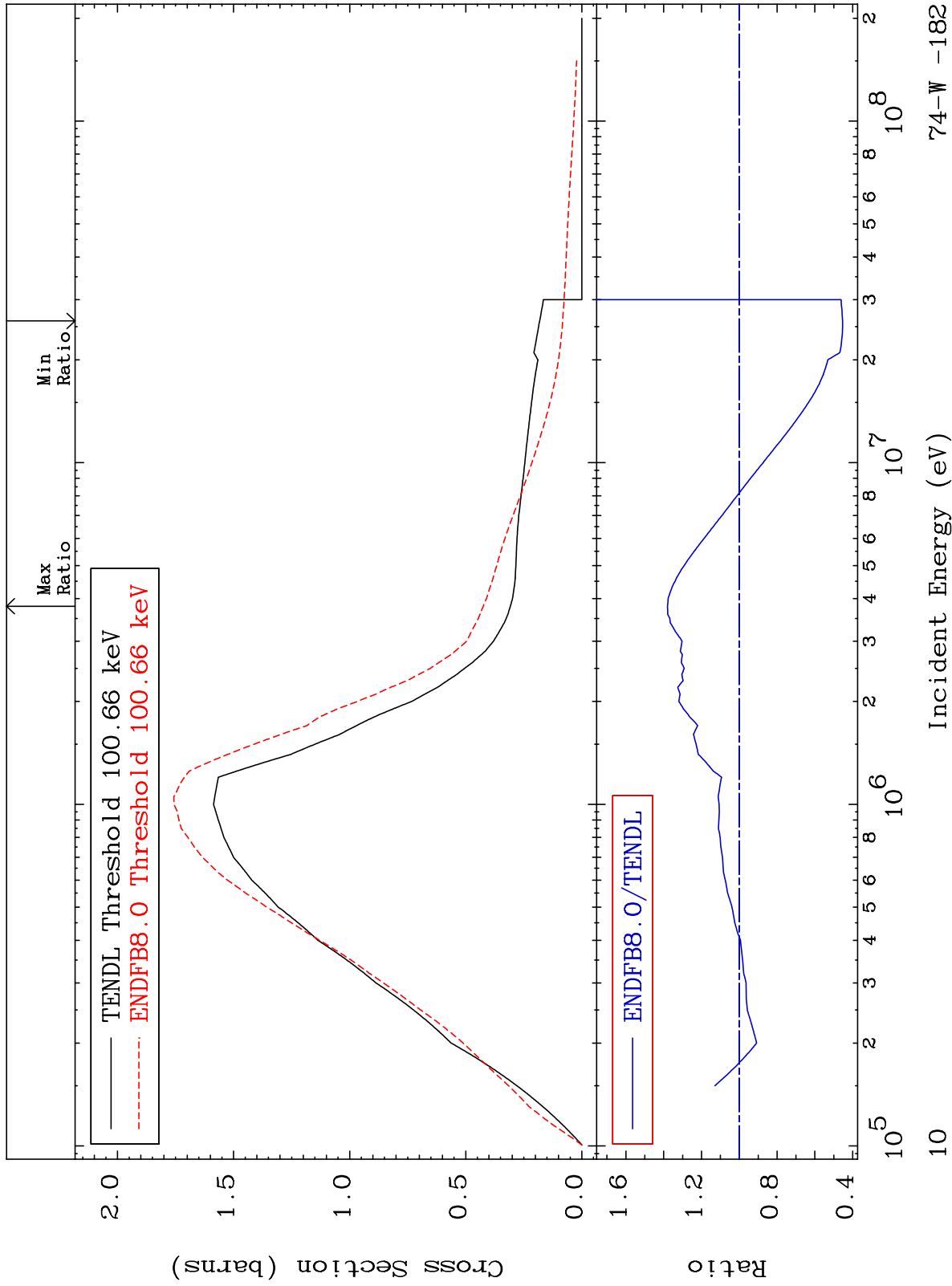
-99.77 To -37.20%



MAT 7431

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

74-W -182
-54.72 To 37.95 %

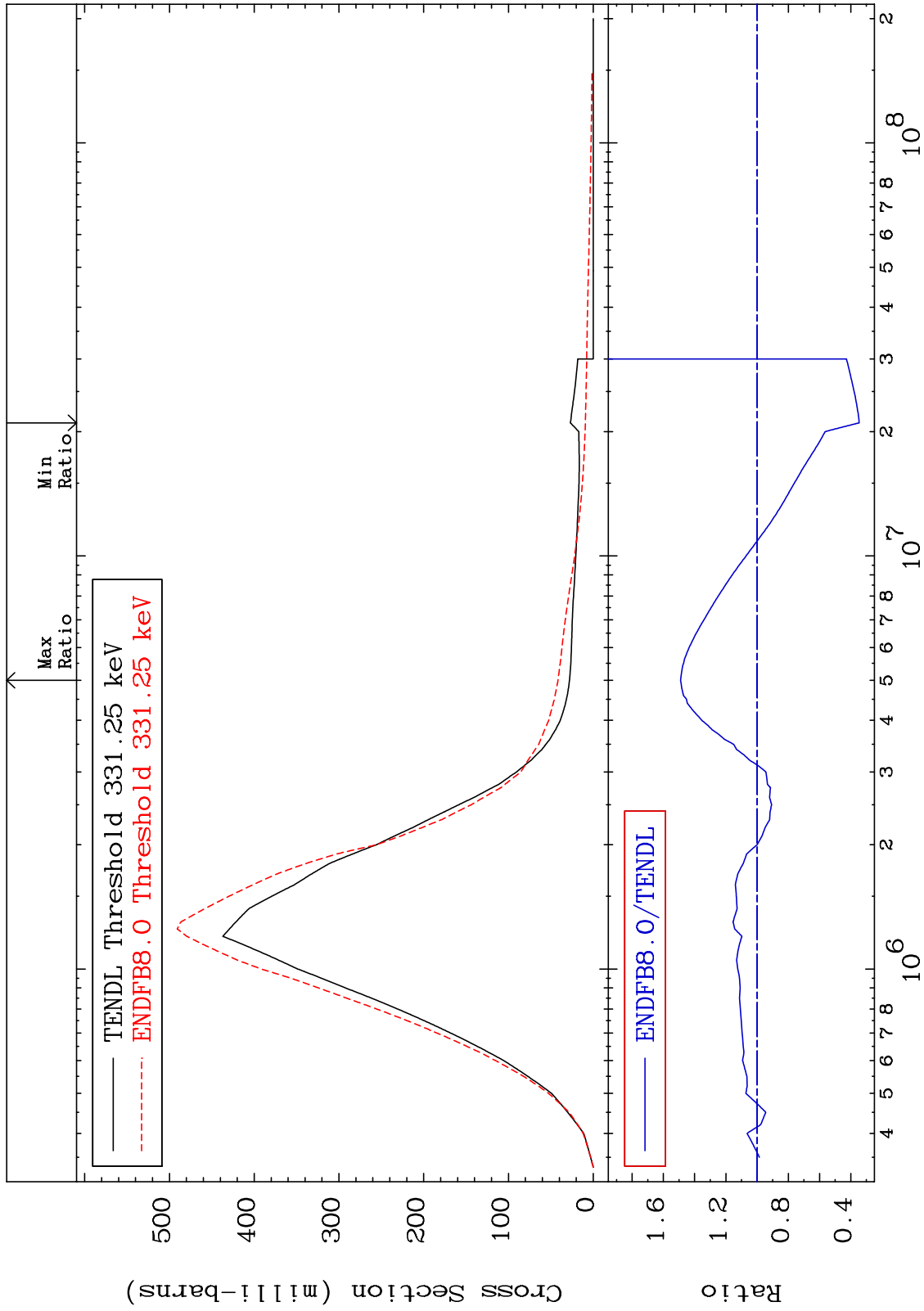


74-W -182

MAT 7431

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

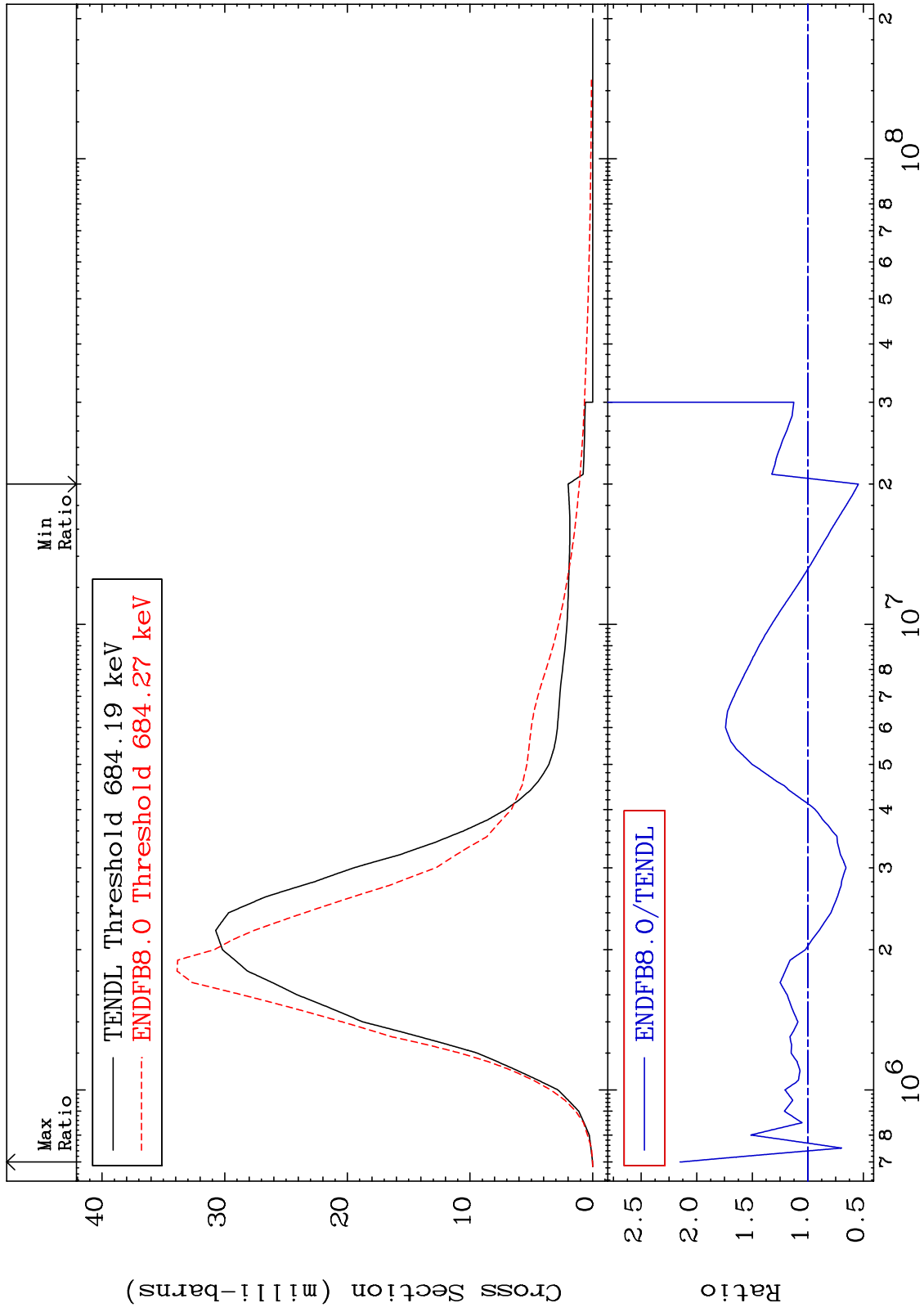
74-W -182
-65.37 To 48.97 %



MAT 7431

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

74-W -182
-45.49 To 115.1 %



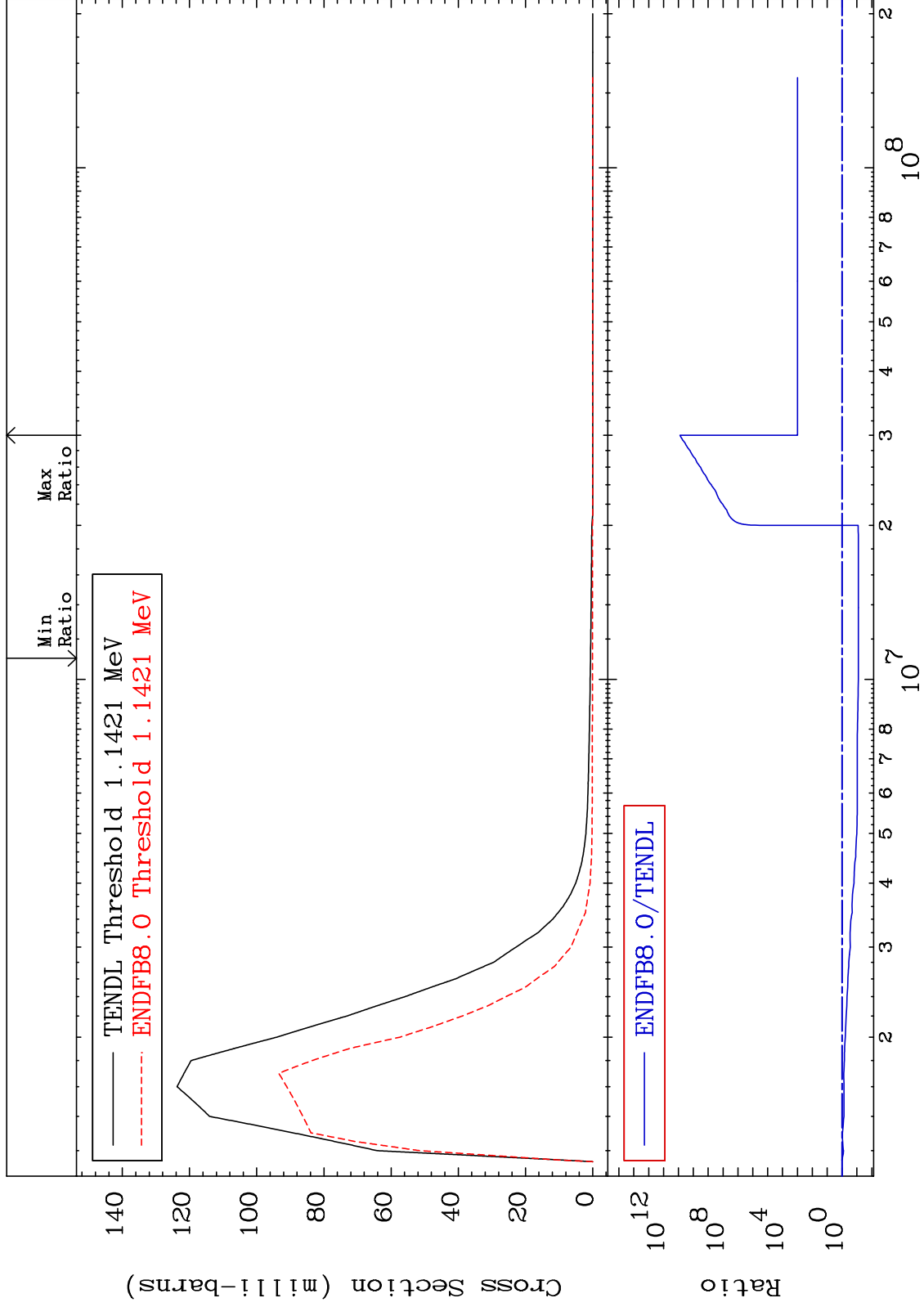
12

74-W -182

MAT 7431

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

74-W -182
-92.04 To 9999. %



13

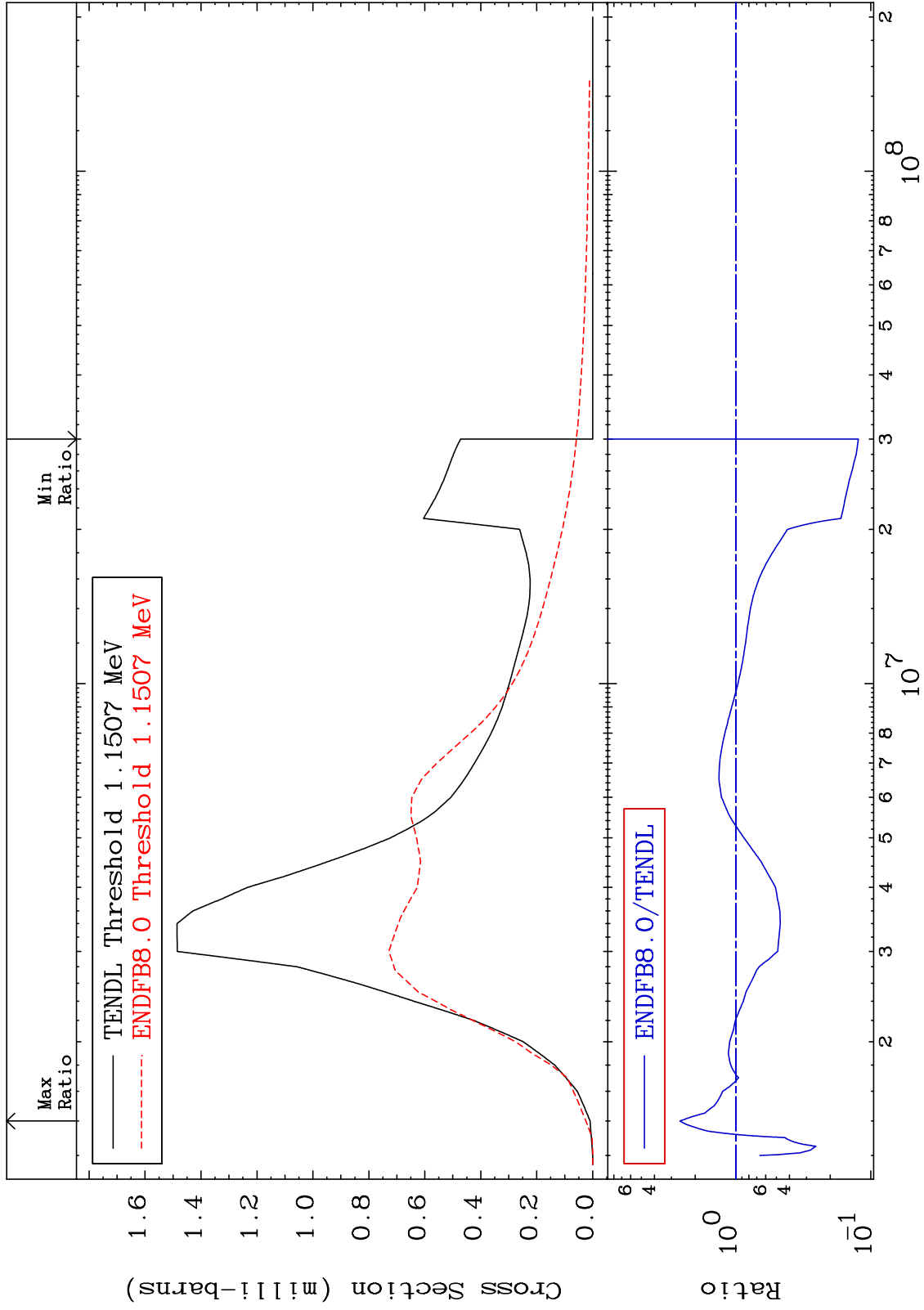
Incident Energy (eV)

74-W -182

MAT 7431

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

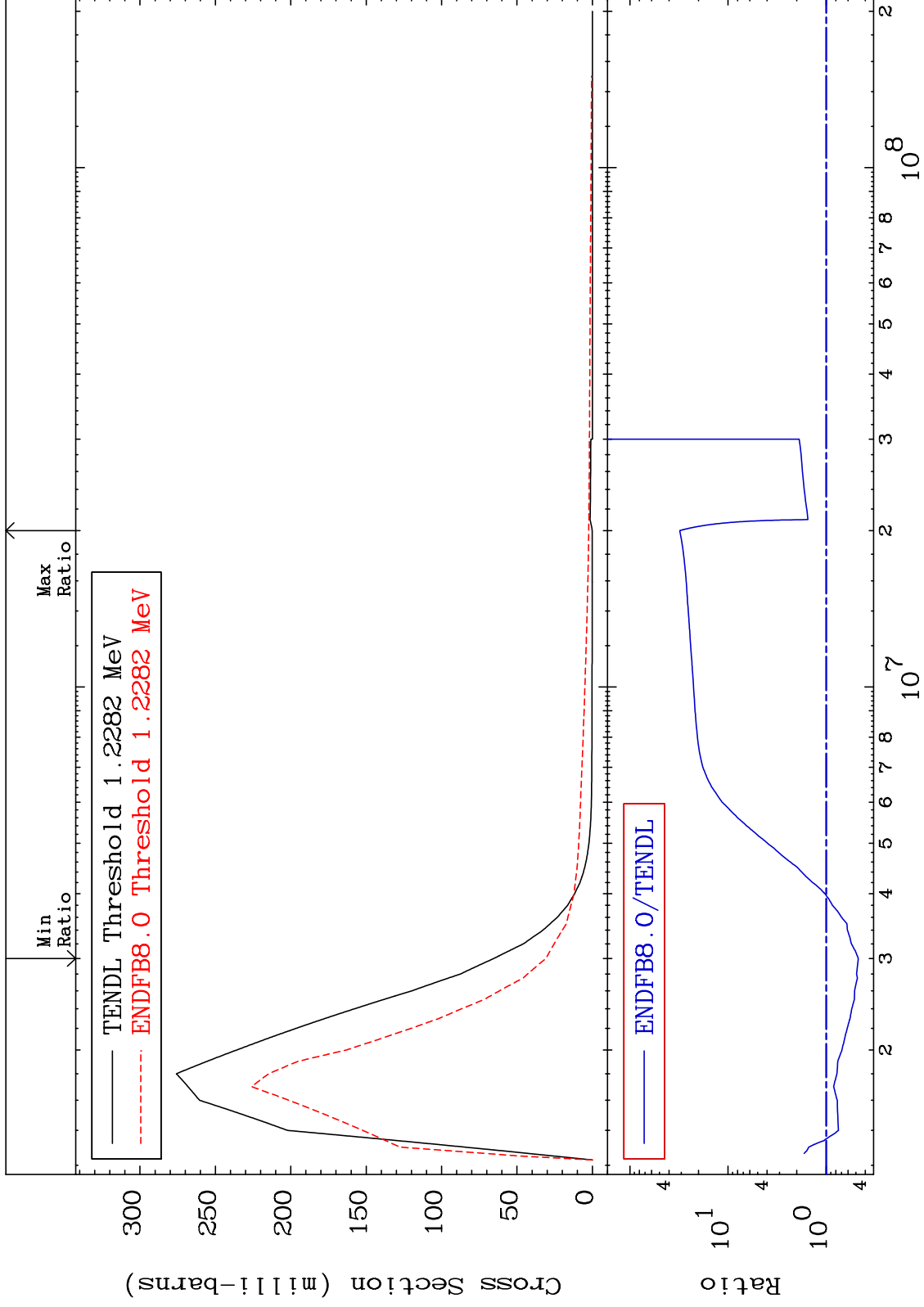
74-W -182
-87.64 To 158.8 %



MAT 7431

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

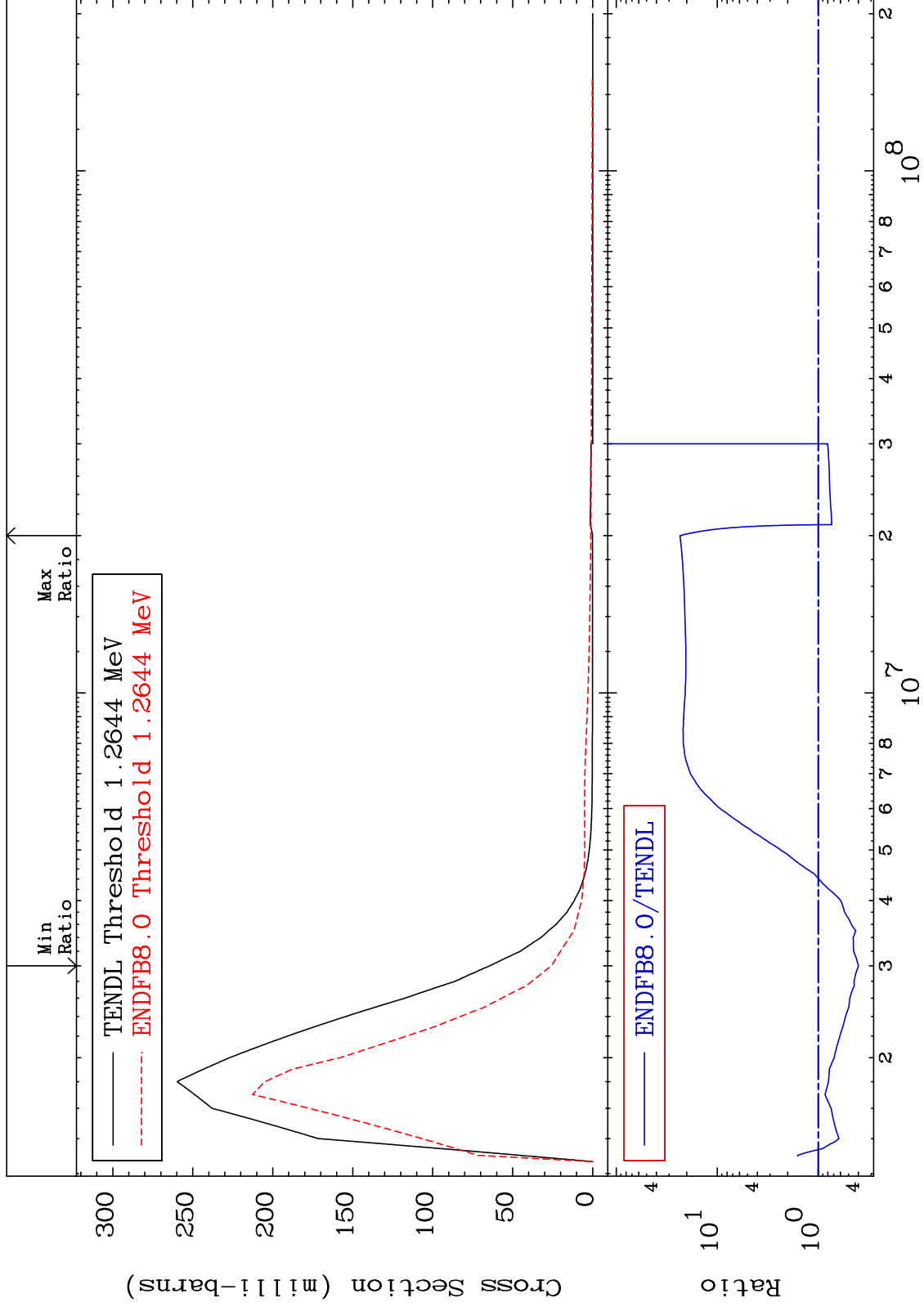
74-W -182
-52.87 To 3001. %



MAT 7431

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

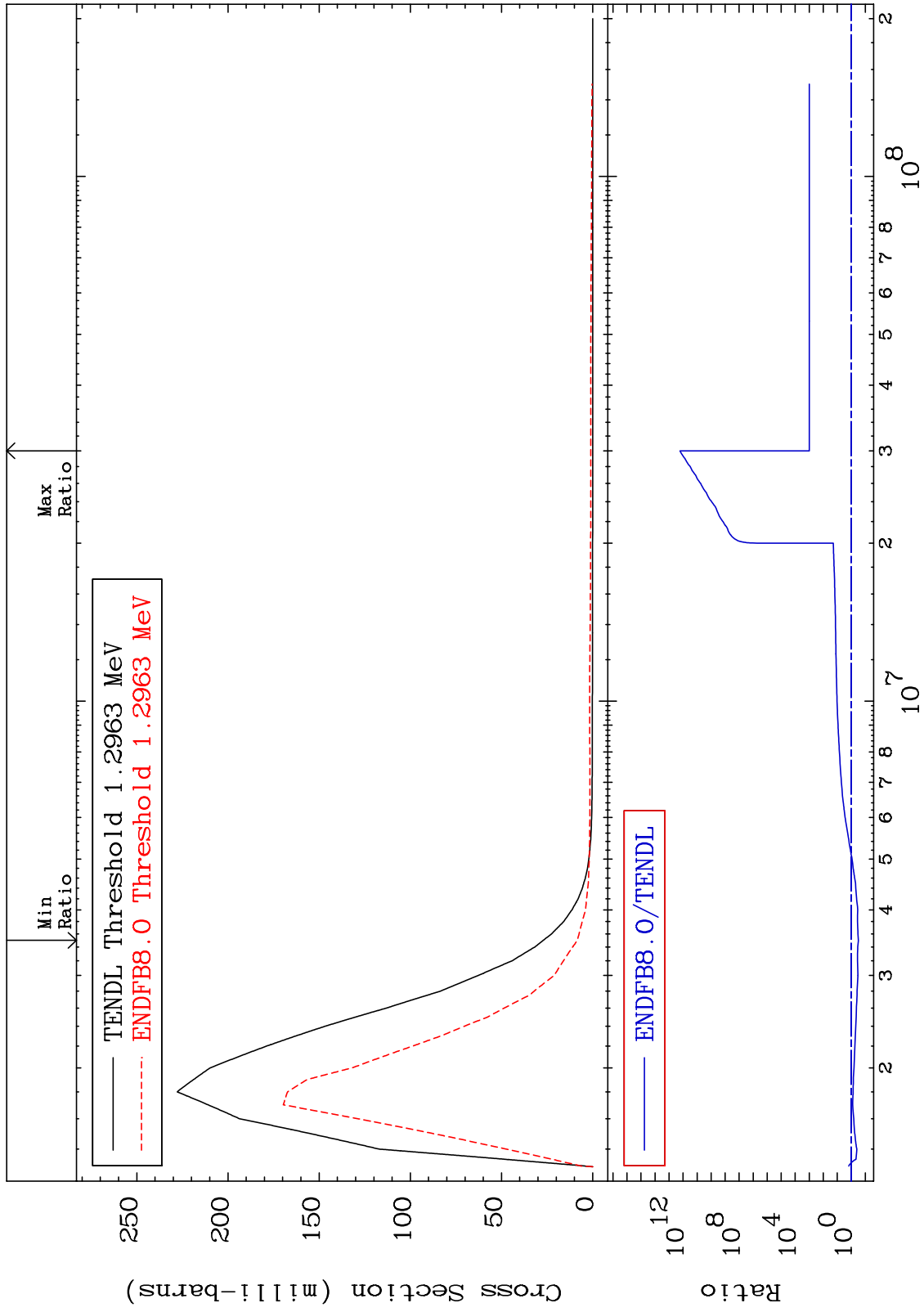
74-W -182
-60.09 To 2235. %



MAT 7431

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

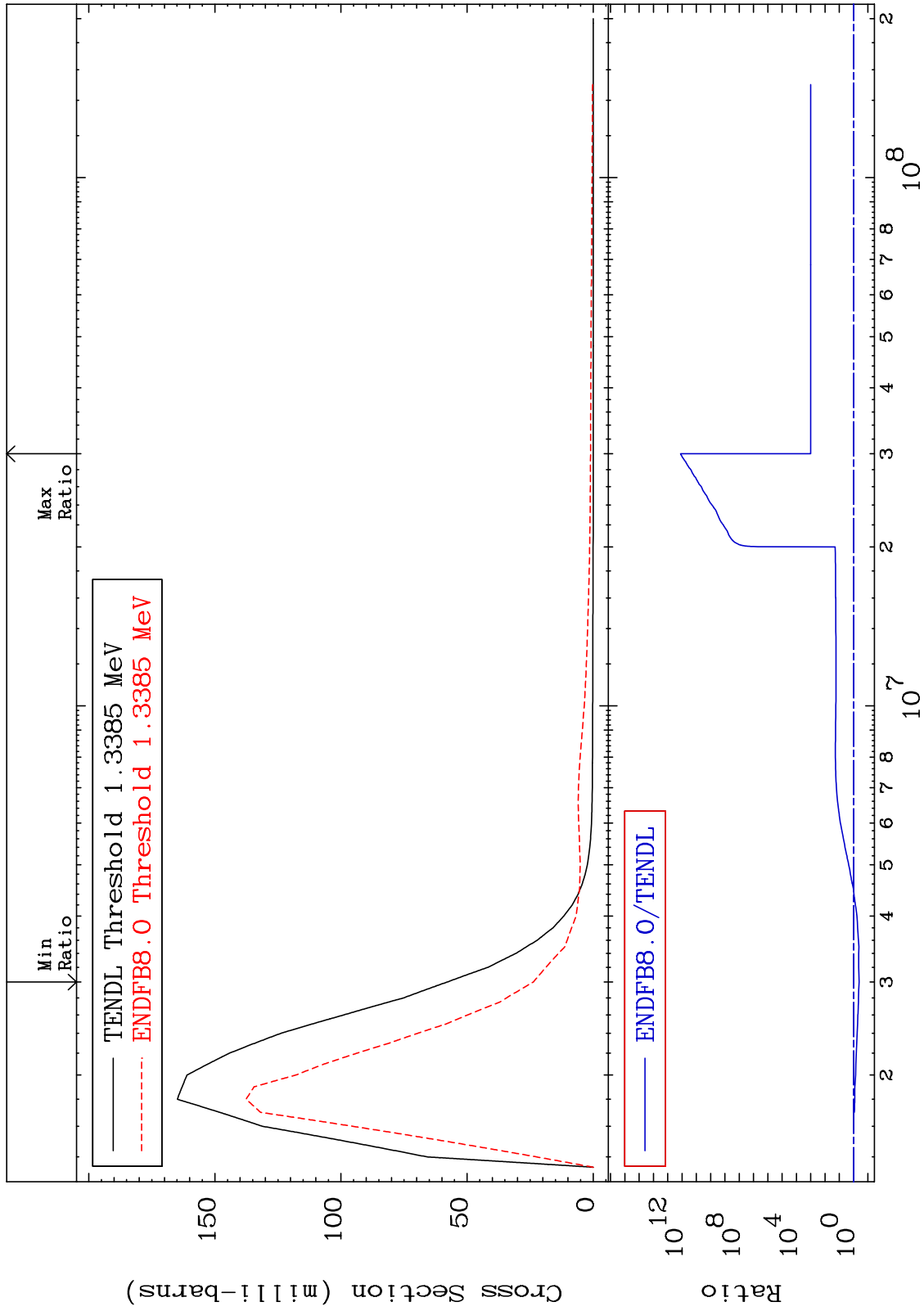
74-W -182
-69.06 To 9999. %



MAT 7431

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

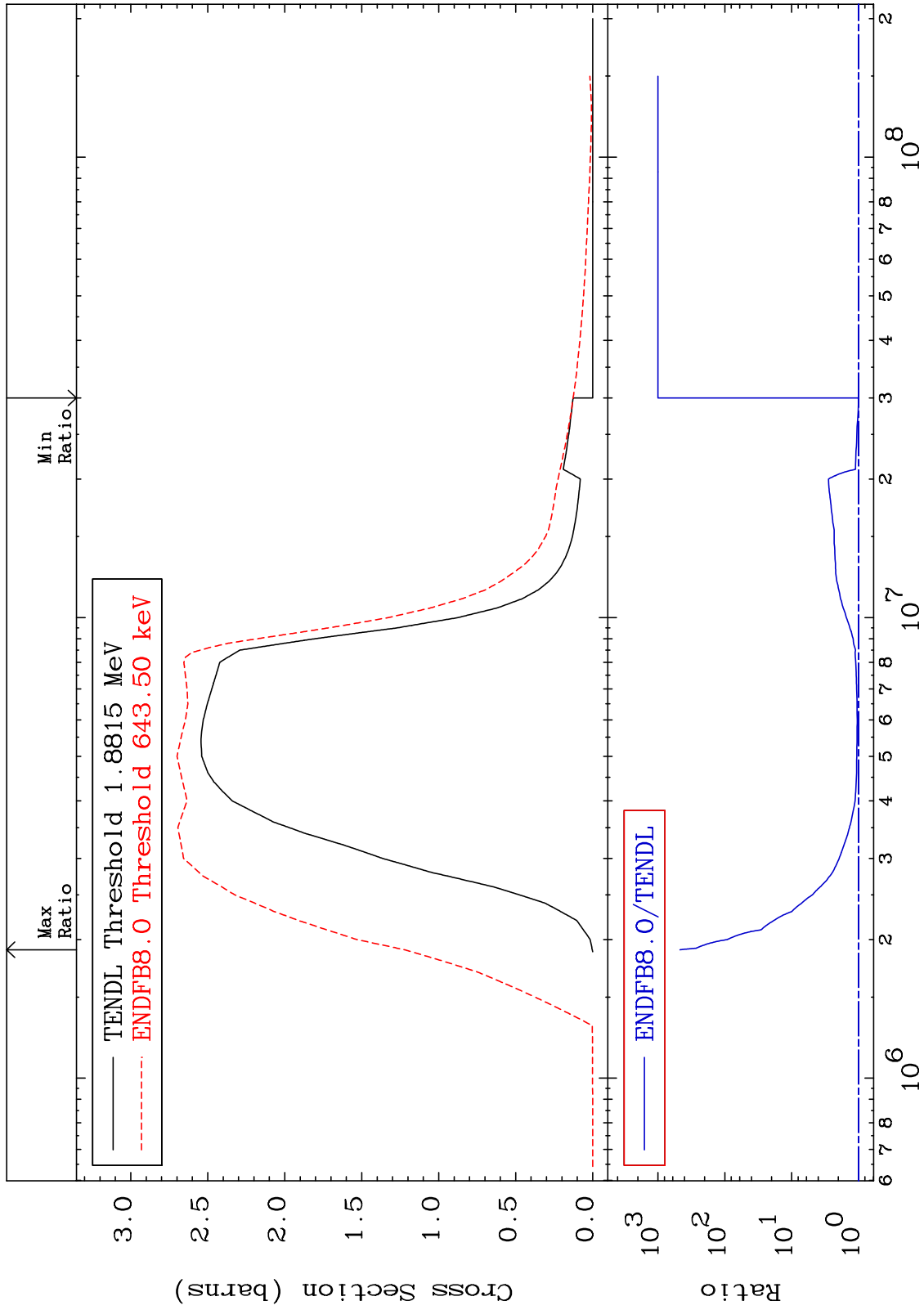
74-W -182
-59.02 To 9999. %



MAT 7431

(n,n') Continuum
Cross Section

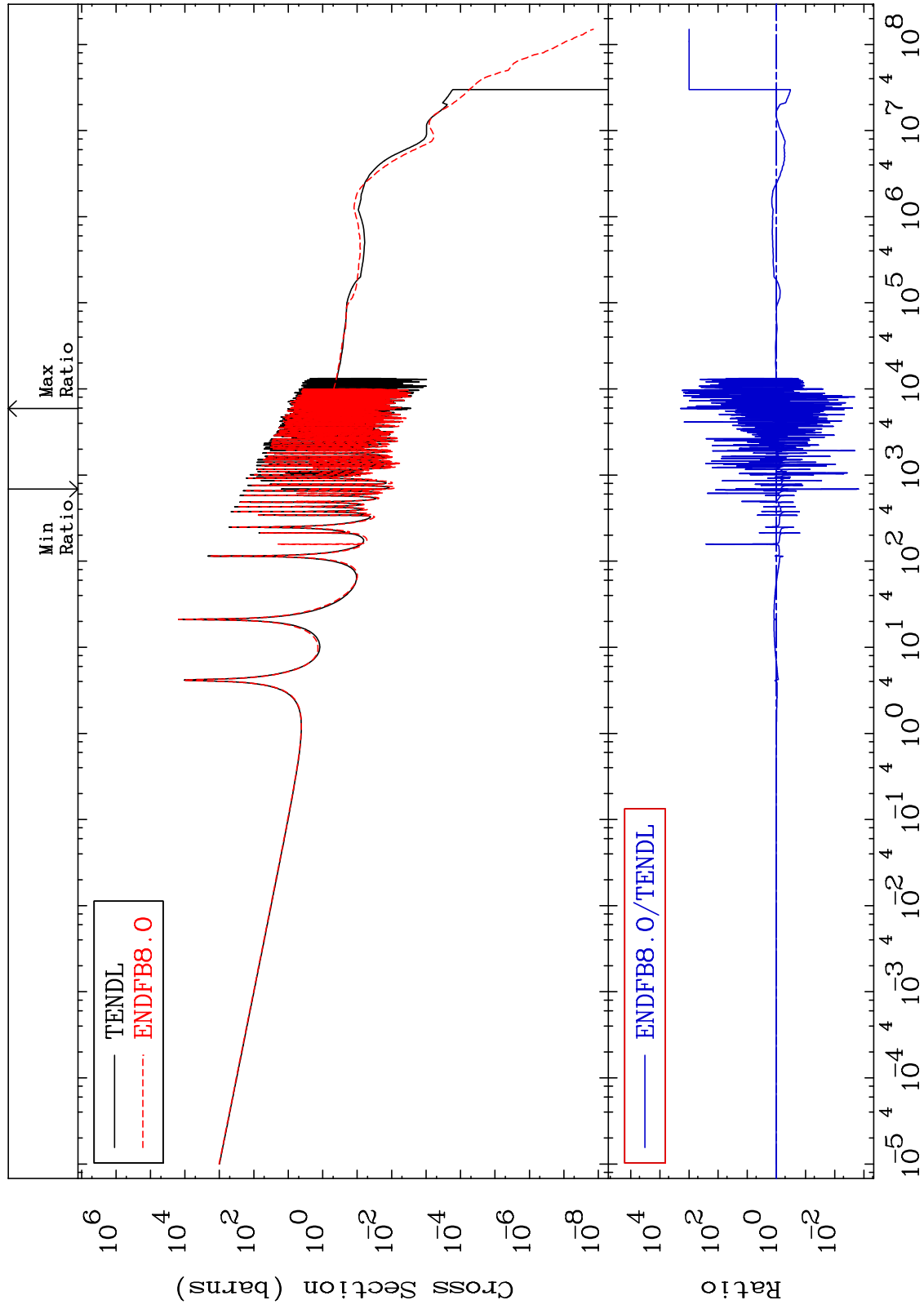
74-W -182
0.357 To 9999. %



MAT 7431

(n, γ)
Cross Section

74-W -182
-99.85 To 9999. %



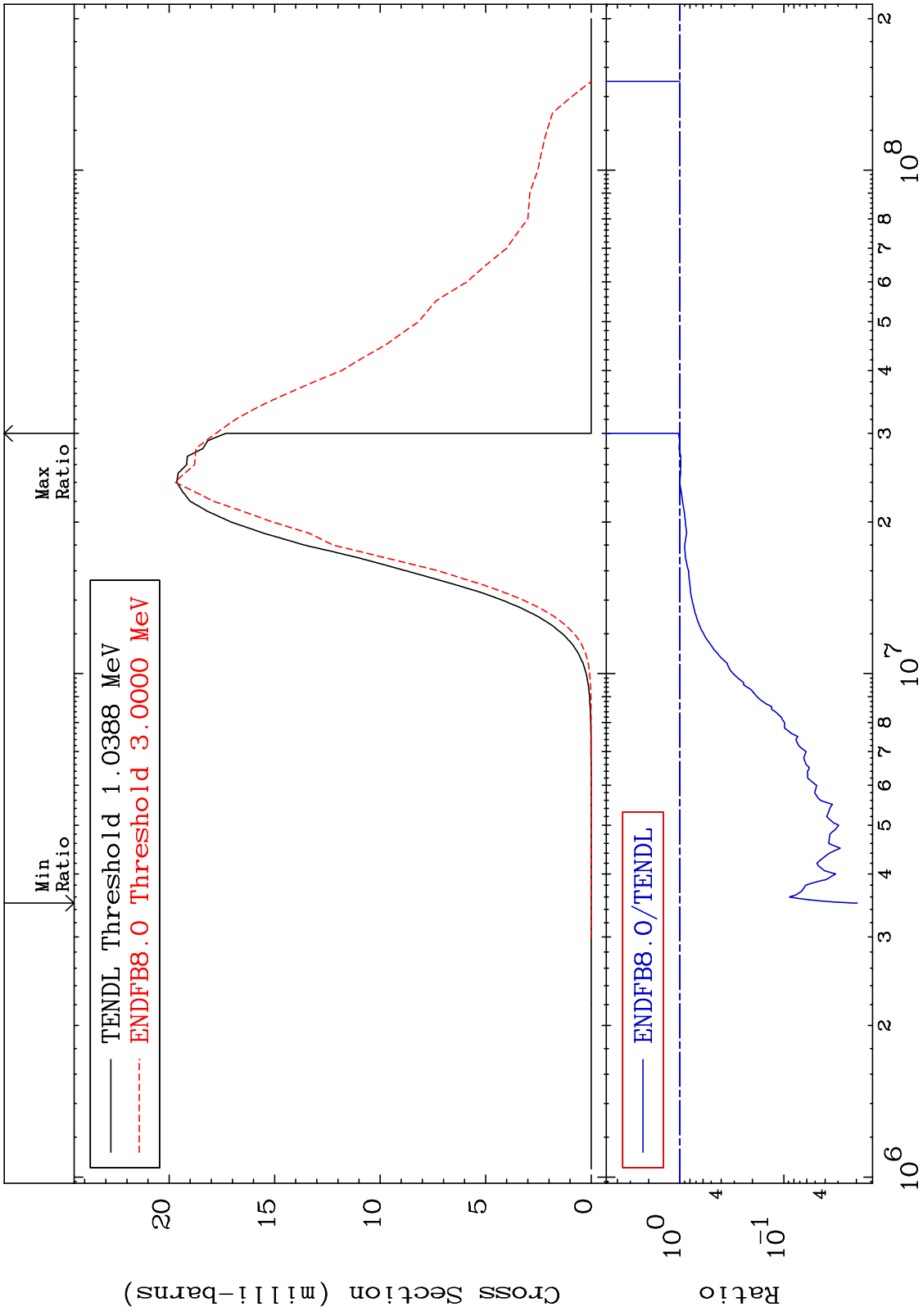
MAT 7431

(n,p)

74-W -182

Cross Section

-98.04 To 2.786 %



21

Incident Energy (eV)

74-W -182

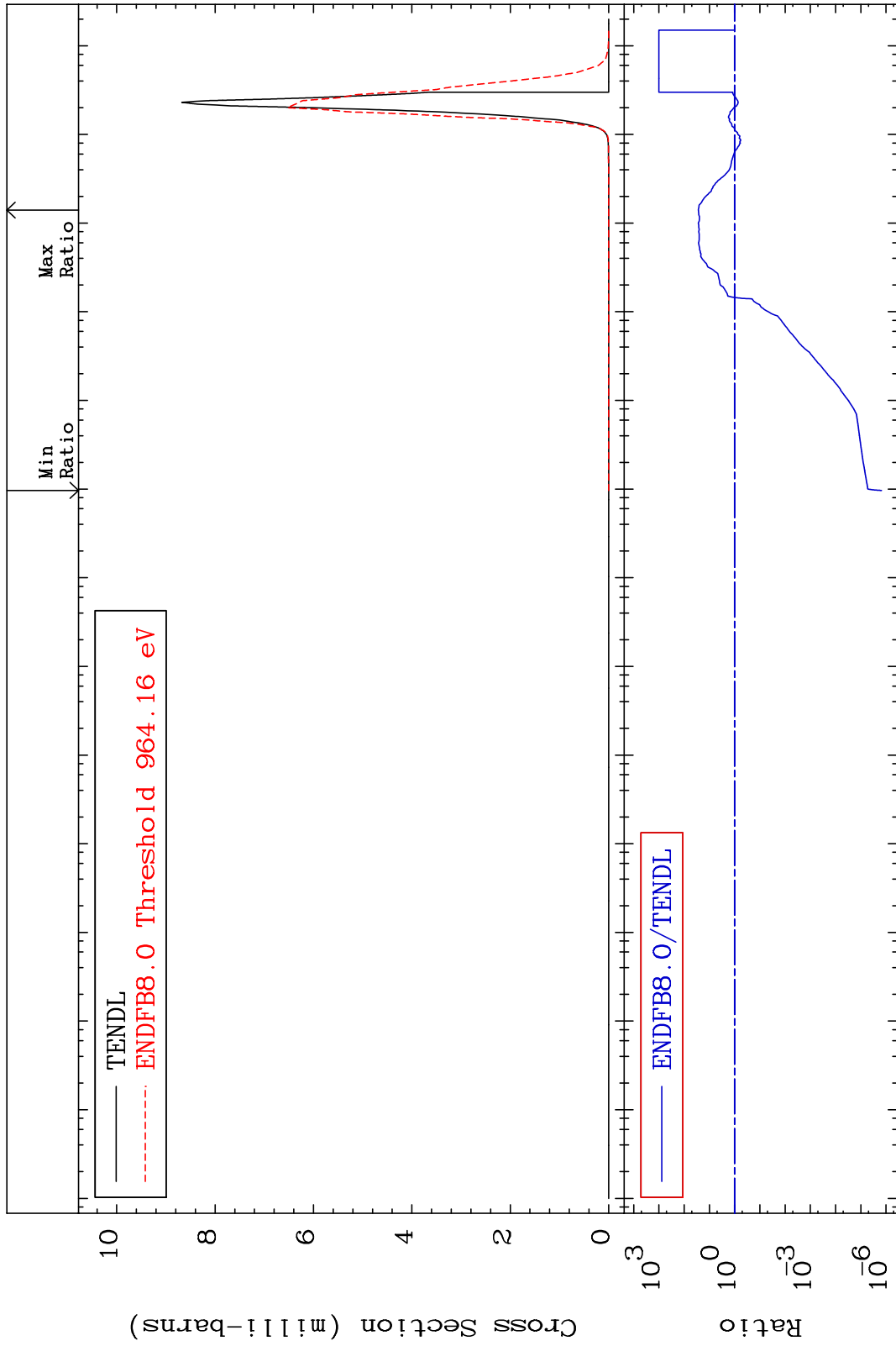
MAT 7431

(n, α)

74-W -182

Cross Section

-100.0 To 2646. %

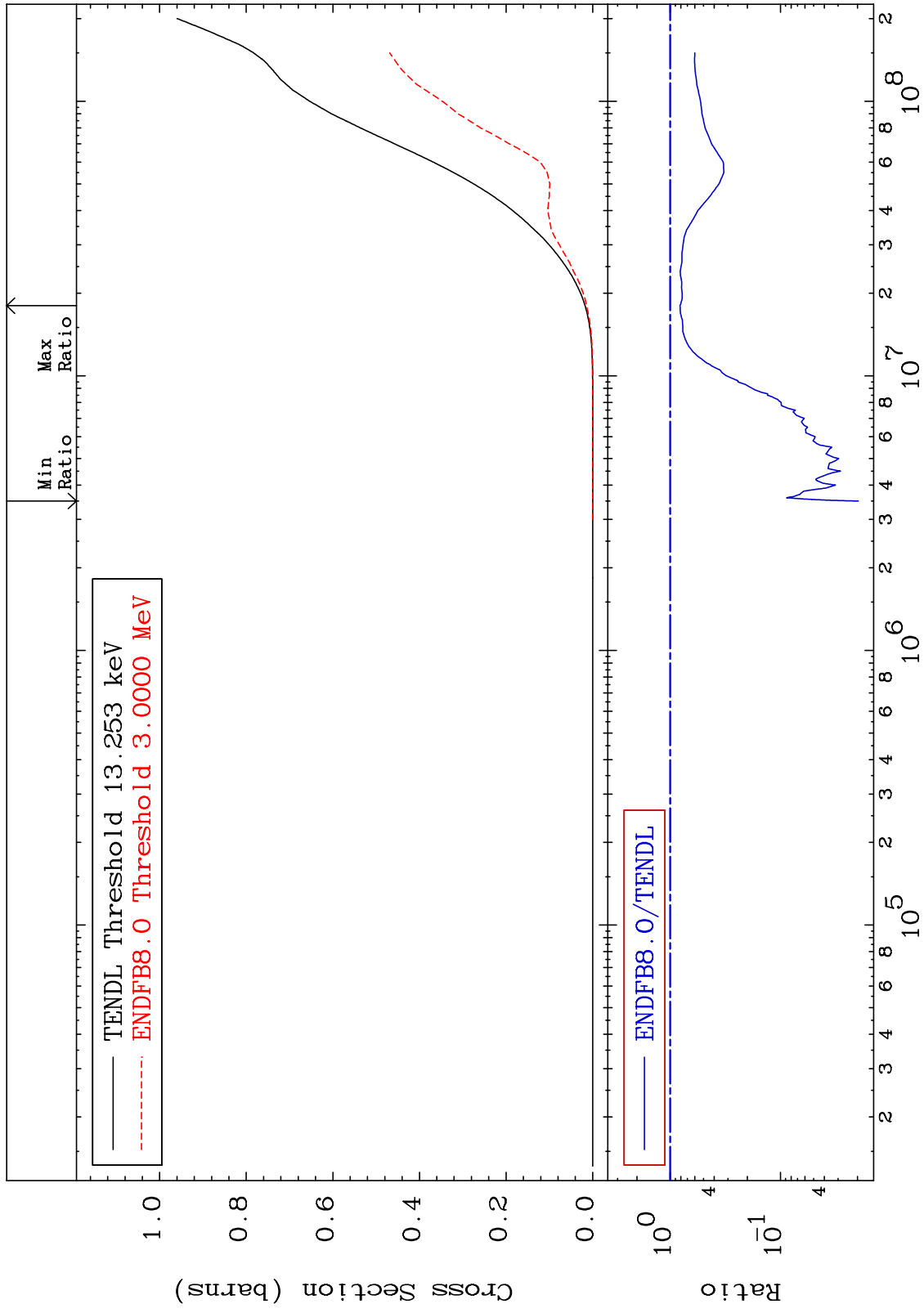


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

Ratio

10³ 10⁰ 10⁻³ 10⁻⁶

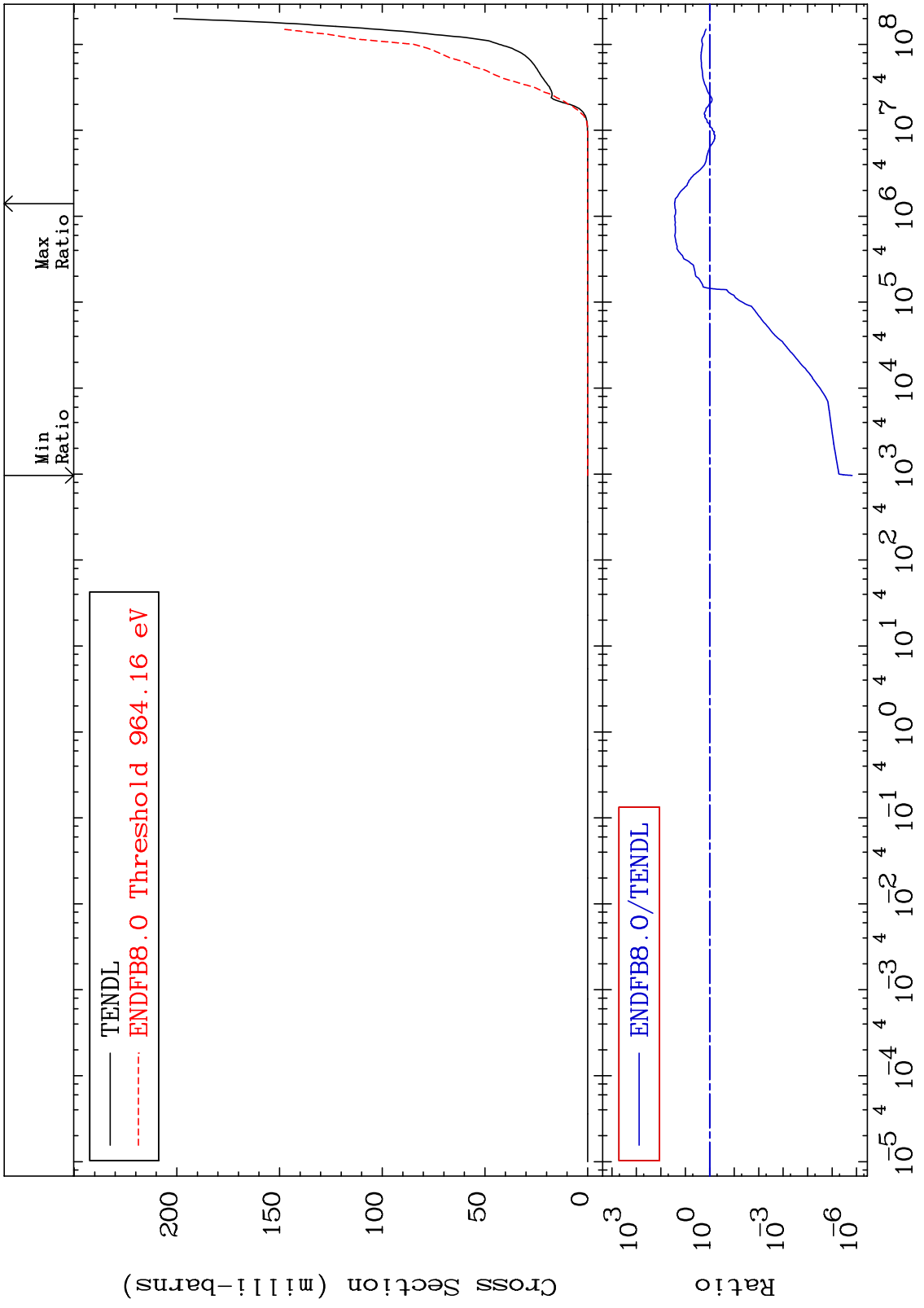
74-W -182



MAT 7431

He-4 Production
Cross Section

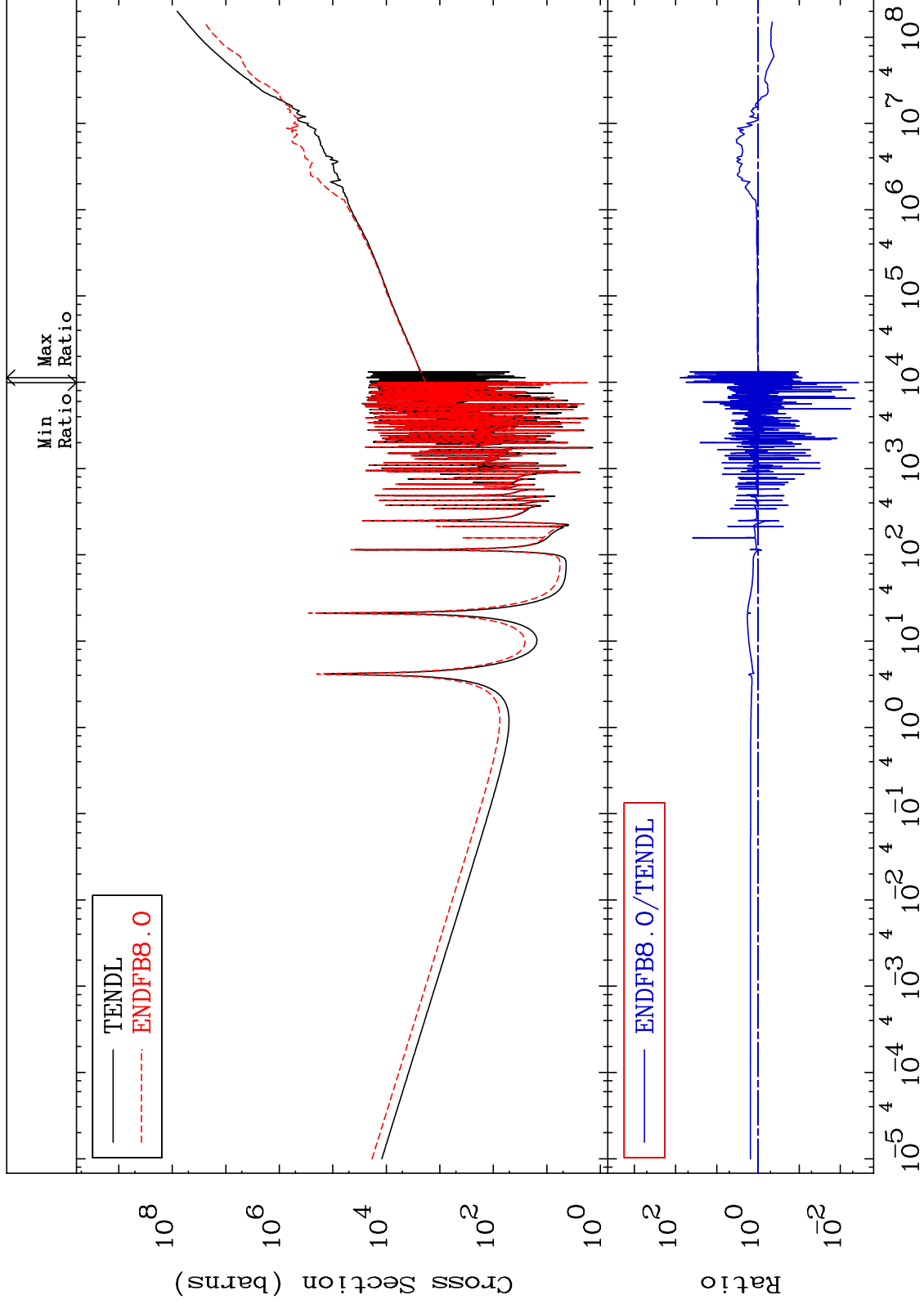
74-W -182
-100.0 To 2646. %



MAT 7431

Kerma total (eV-barns)
Cross Section

74-W -182
-99.64 To 7726. %



25

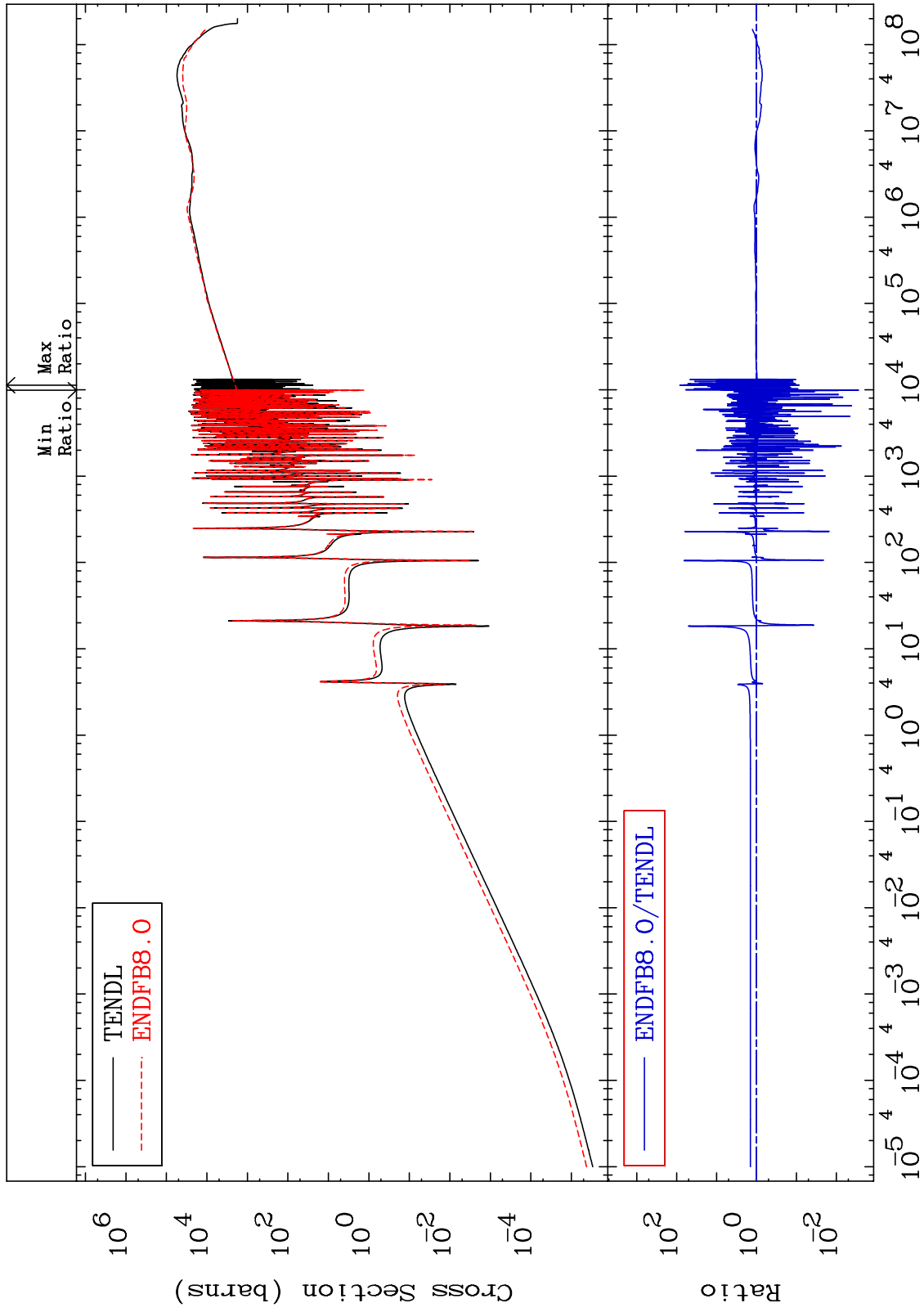
Incident Energy (eV)

74-W -182

MAT 7431

Kerma elastic
Cross Section

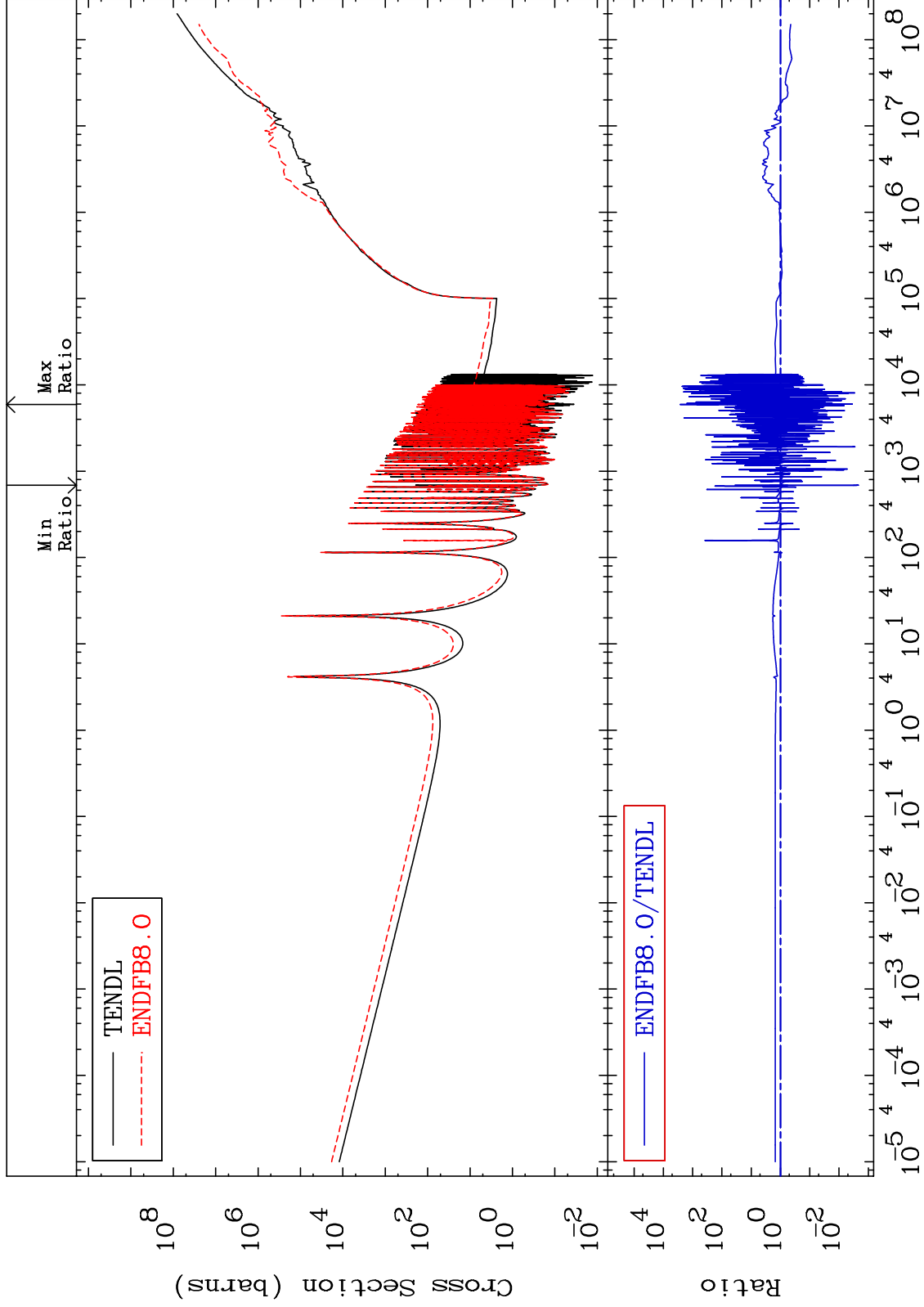
74-W -182
-99.72 To 8117. %



MAT 7431

Kerma non-elastic (all but mt2)
Cross Section

74-W -182
-99.78 To 9999. %



27

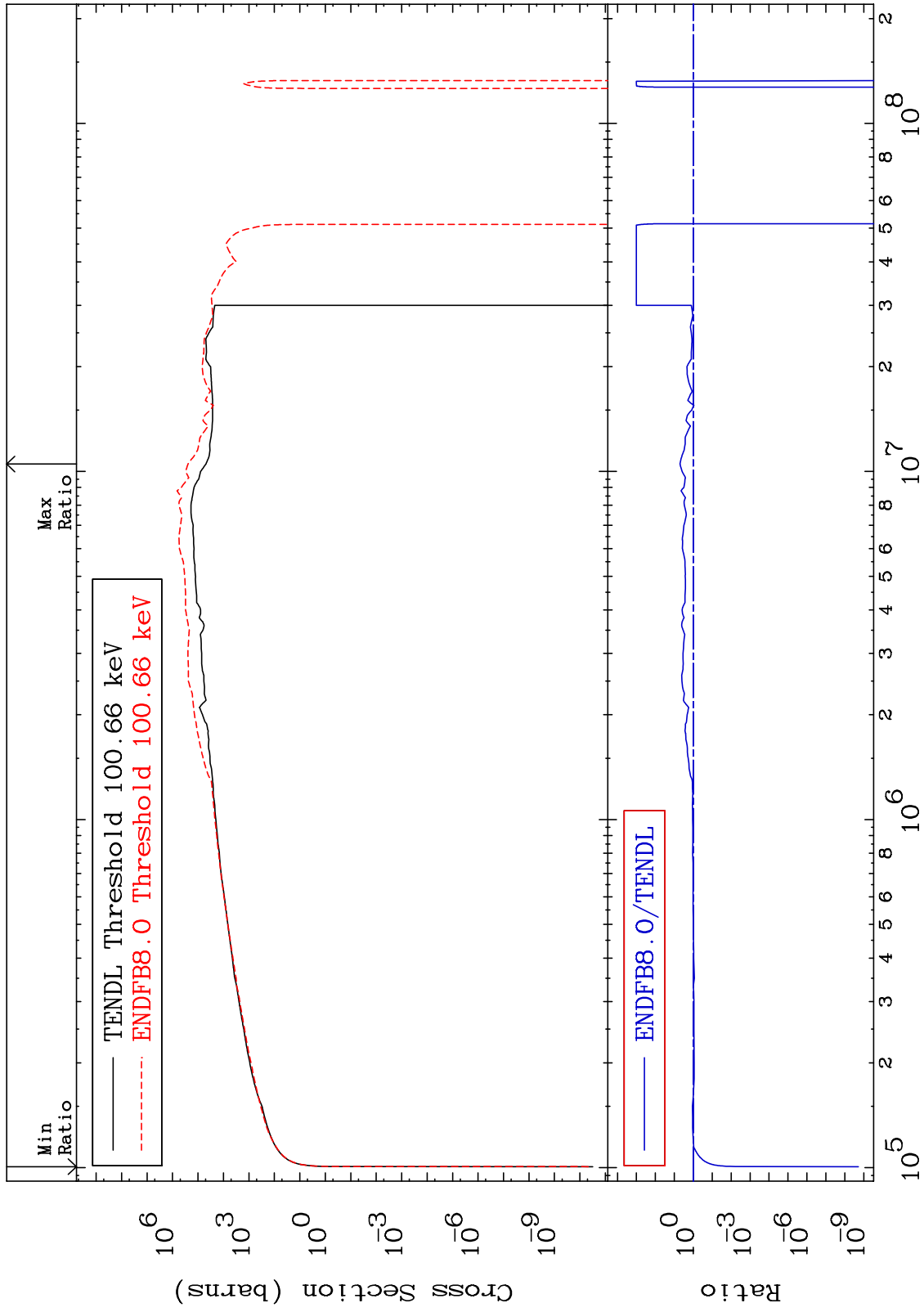
Incident Energy (eV)

74-W -182

MAT 7431

Kerma inelastic (mt51-91)
Cross Section

74-W -182
-100.0 To 400.0 %



28

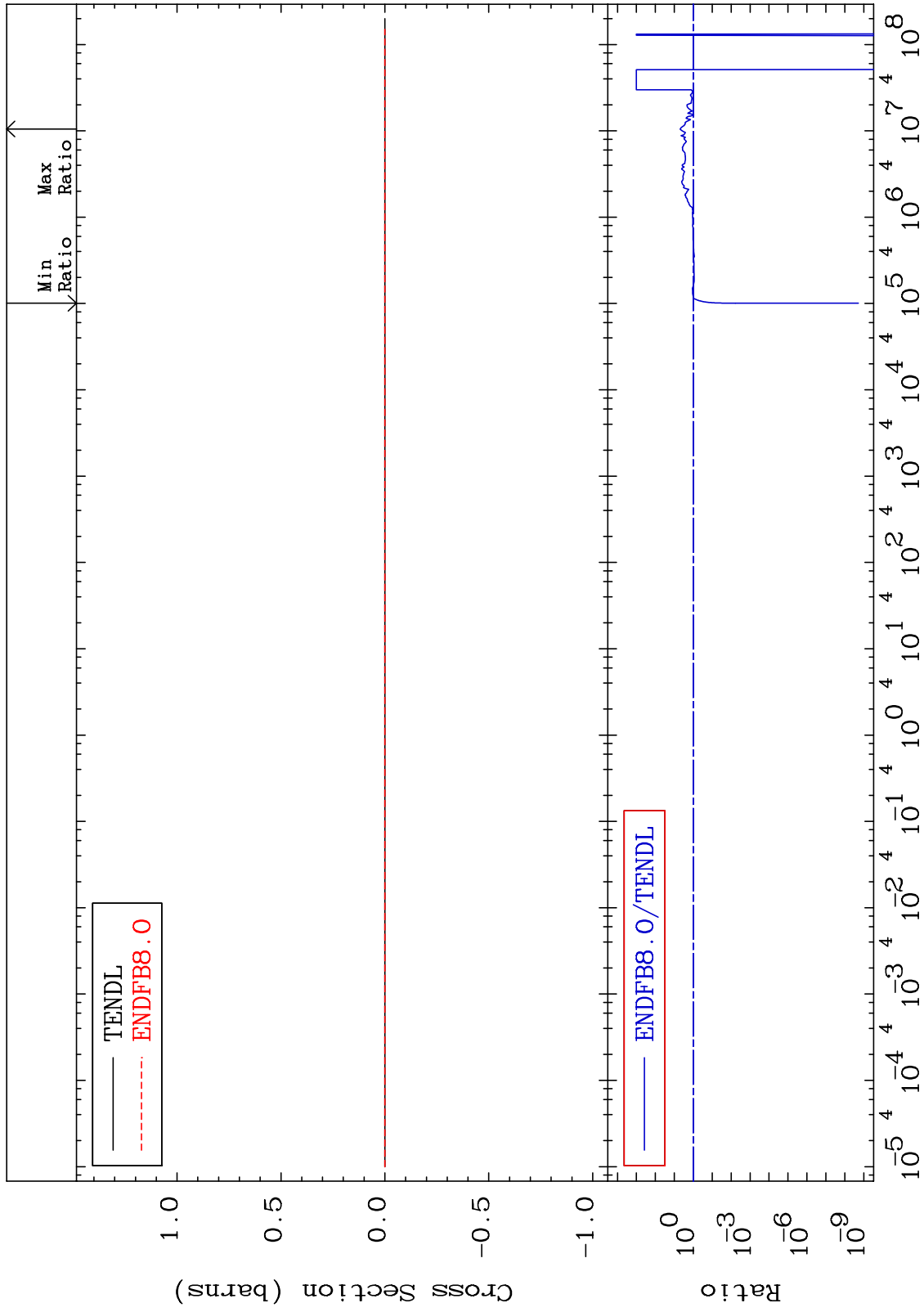
Incident Energy (eV)

74-W -182

MAT 7431

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

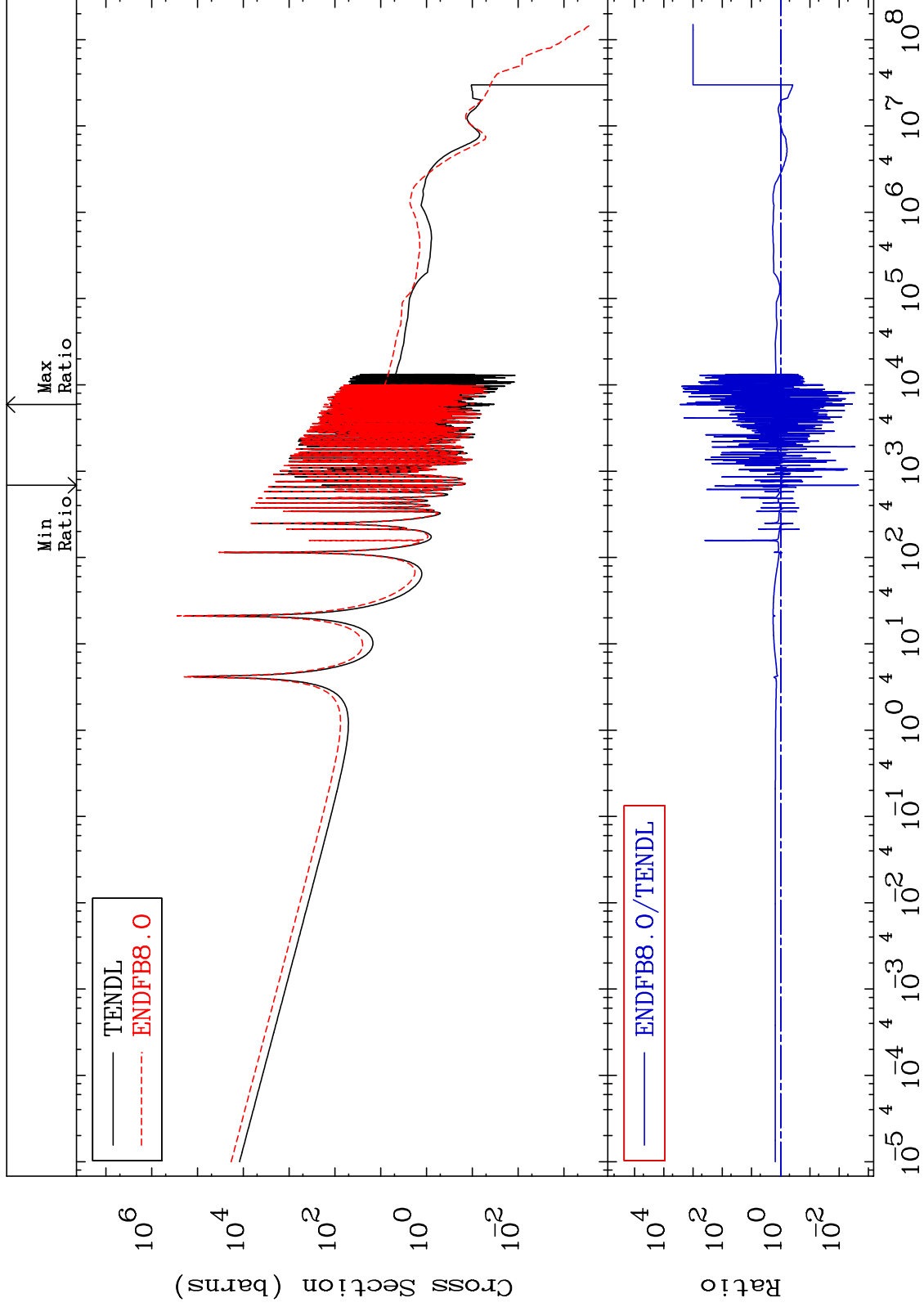
74-W -182
-100.0 To 400.0 %



MAT 7431

Kerma capture (mt102)
Cross Section

74-W -182
-99.78 To 9999. %



30

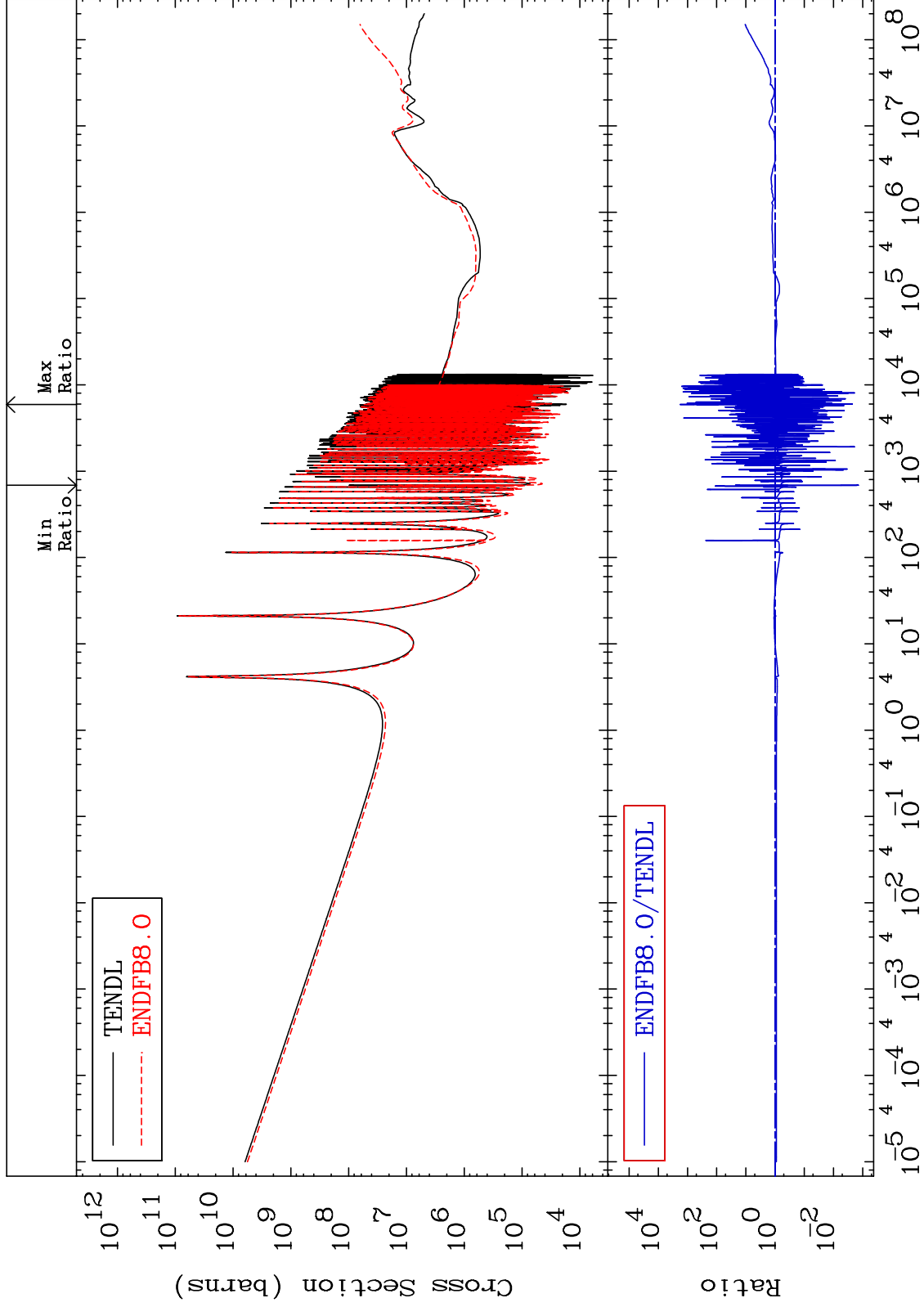
Incident Energy (eV)

74-W -182

MAT 7431

Total photon (eV-barns)
Cross Section

74-W -182
-99.86 To 9999. %



31

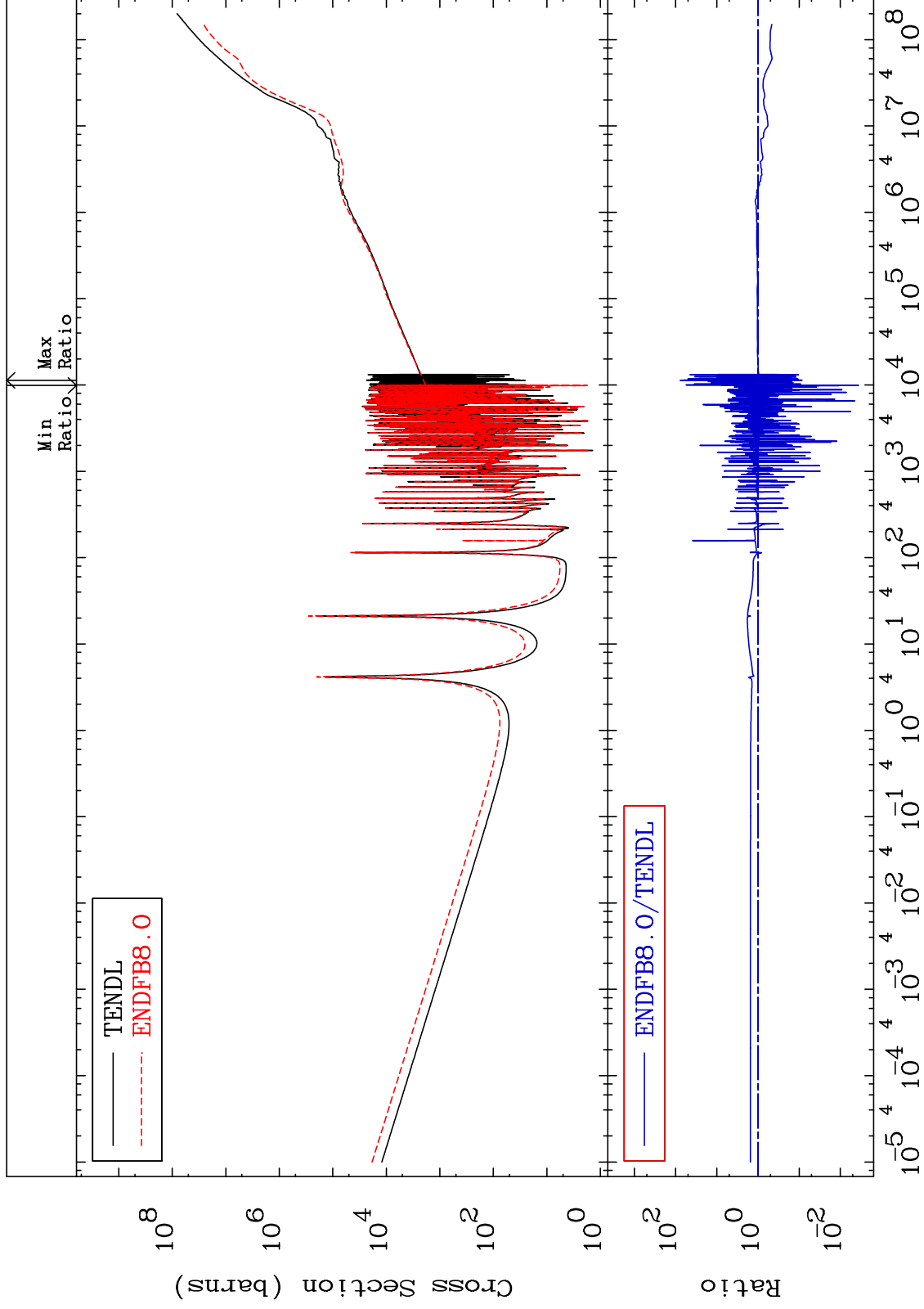
Incident Energy (eV)

74-W -182

MAT 7431

Total kinematic kerma (high limit)
Cross Section

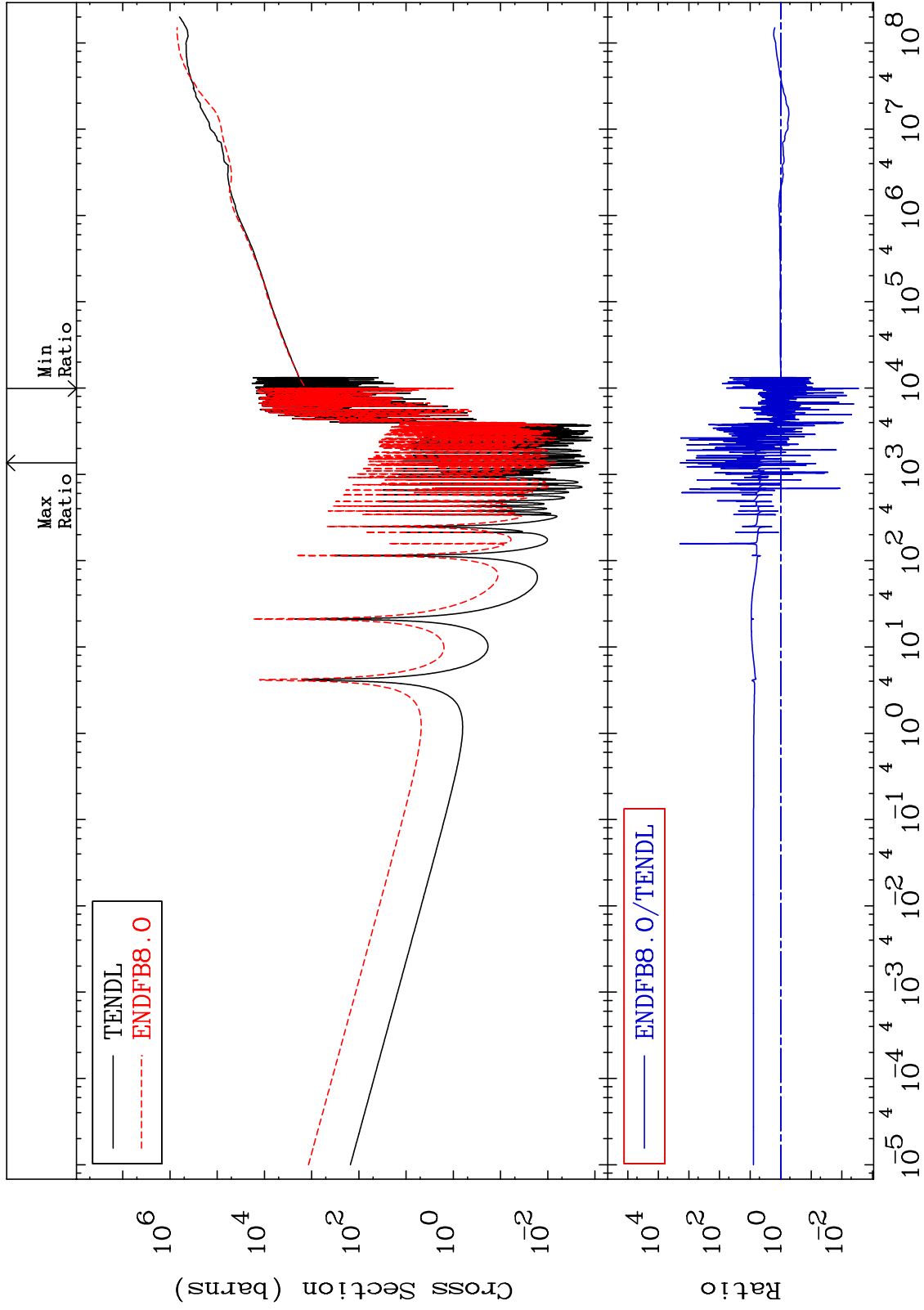
74-W -182
-99.64 To 7726. %



MAT 7431

Dpa total (eV-barns)
Cross Section

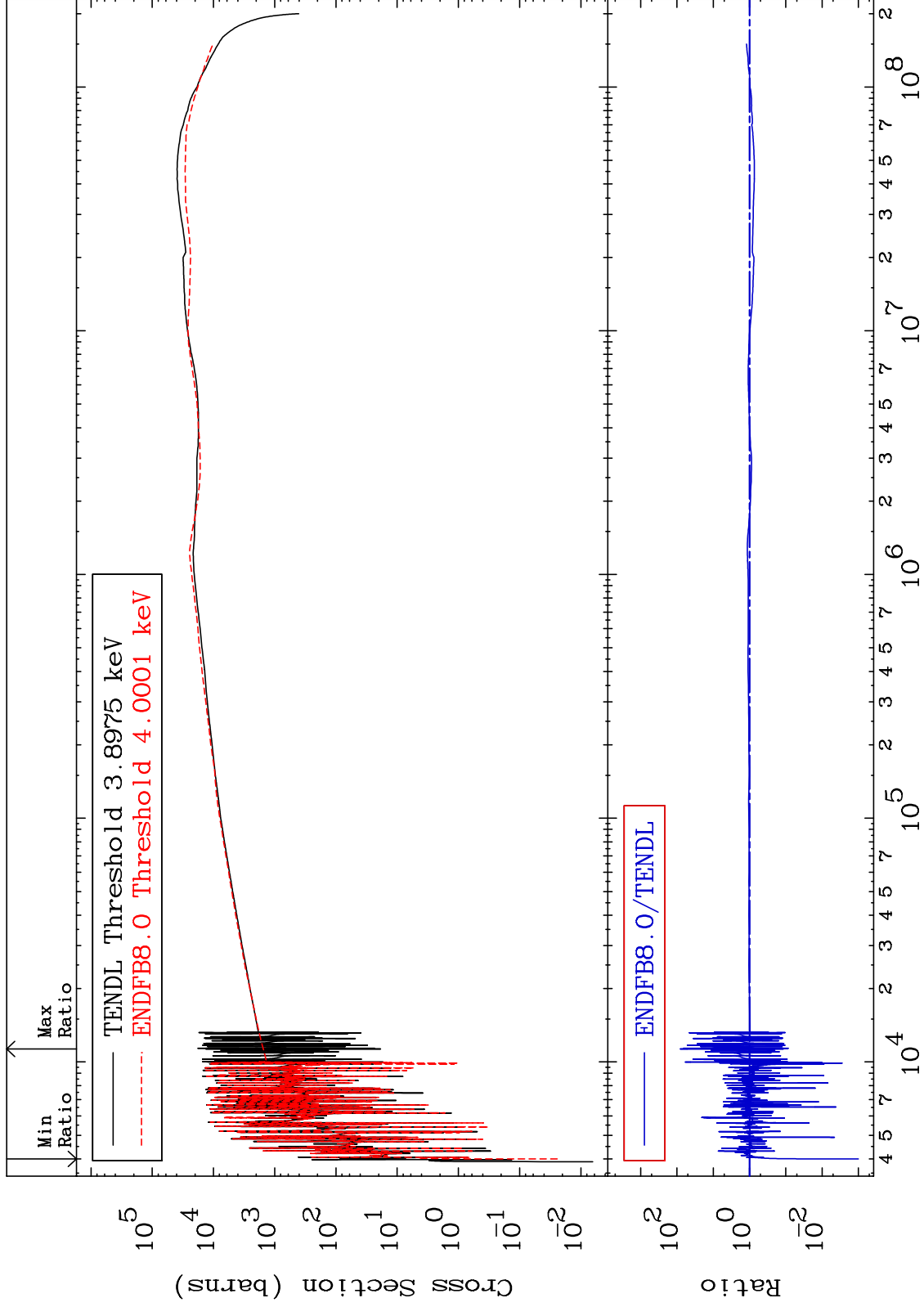
74-W -182
-99.71 To 9999. %



MAT 7431

Dpa elastic (mt2)
Cross Section

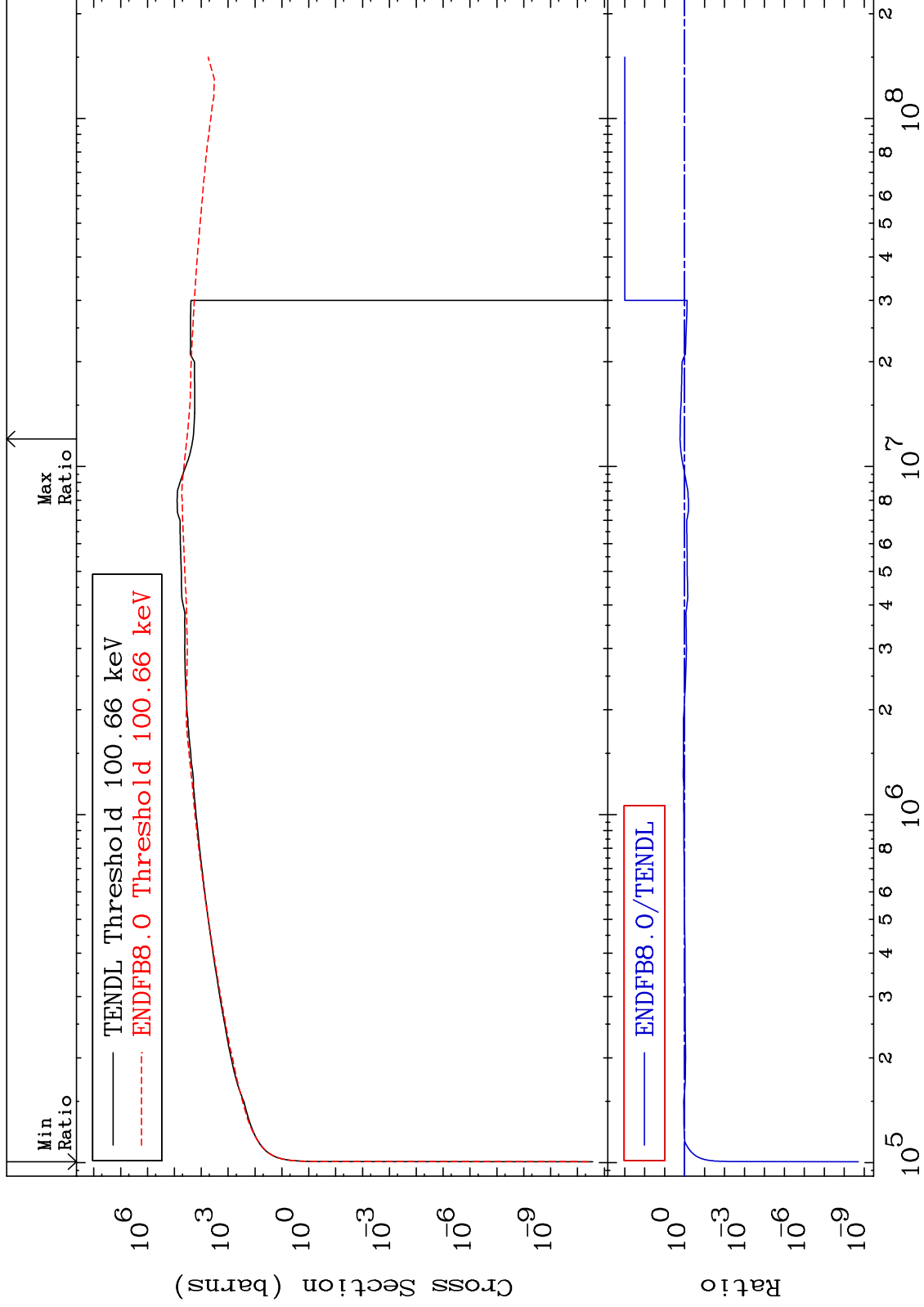
74-W -182
-99.90 To 8115. %



MAT 7431

Dpa inelastic (mt51-91)
Cross Section

74-W -182
-100.0 To 68.79 %



35

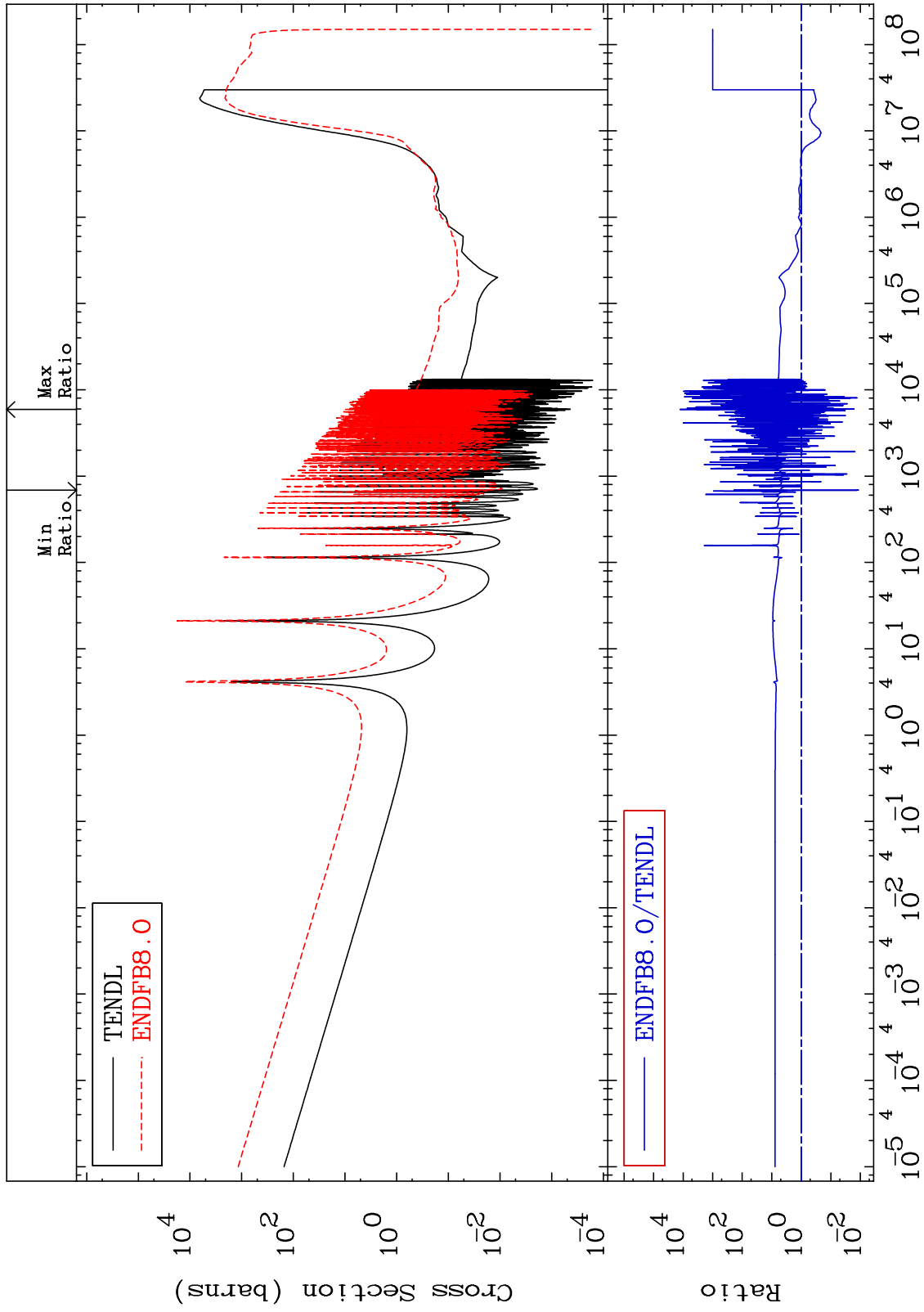
Incident Energy (eV)

74-W -182

MAT 7431

Dpa disappearance (mt102 -120)
Cross Section

74-W -182
-98.83 To 9999. %

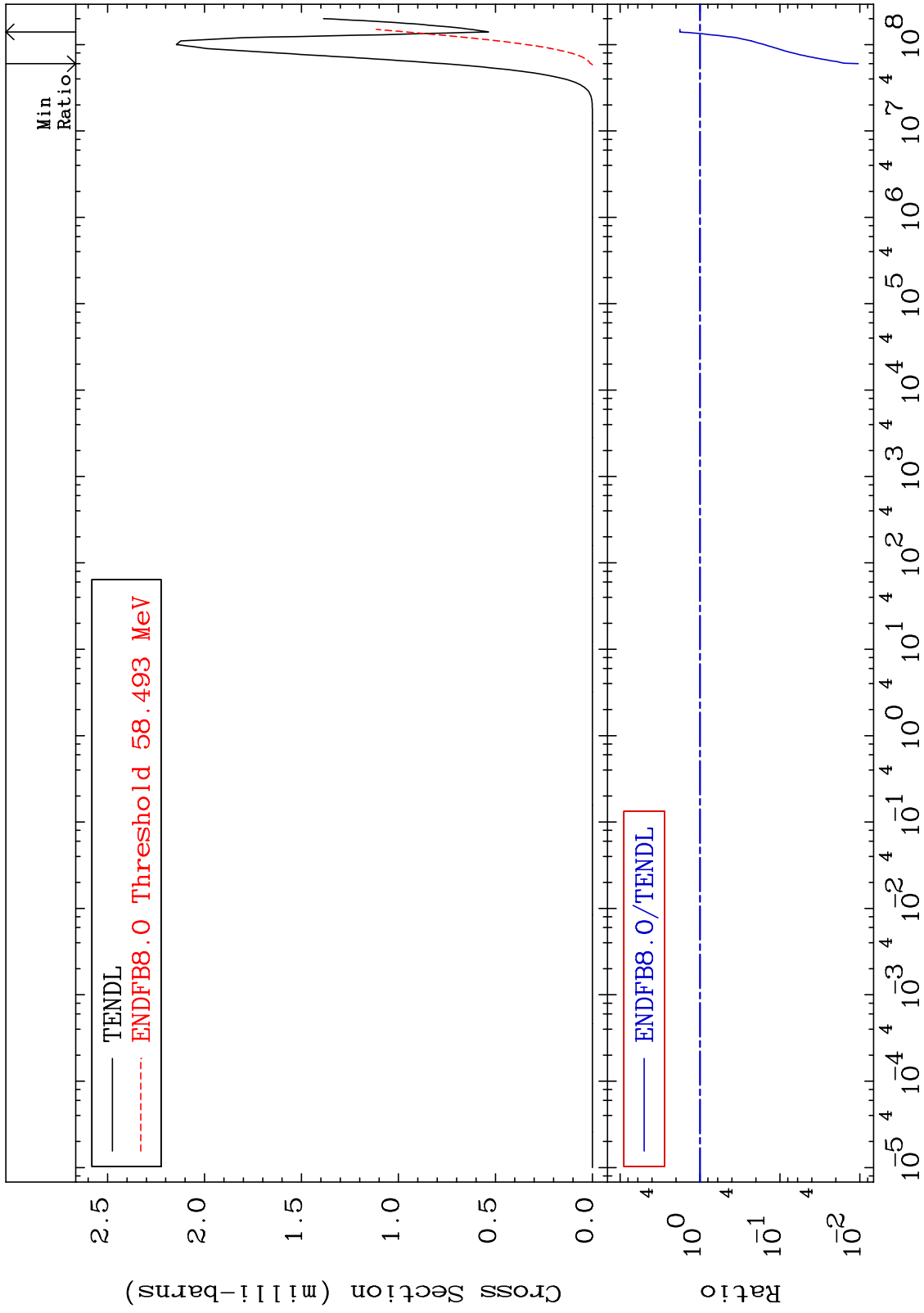


MAT 7431

Fission: 0-?-?-Nat

74-W -182

Radionuclide Production Cross Section -98.96 To 79.36 %



37

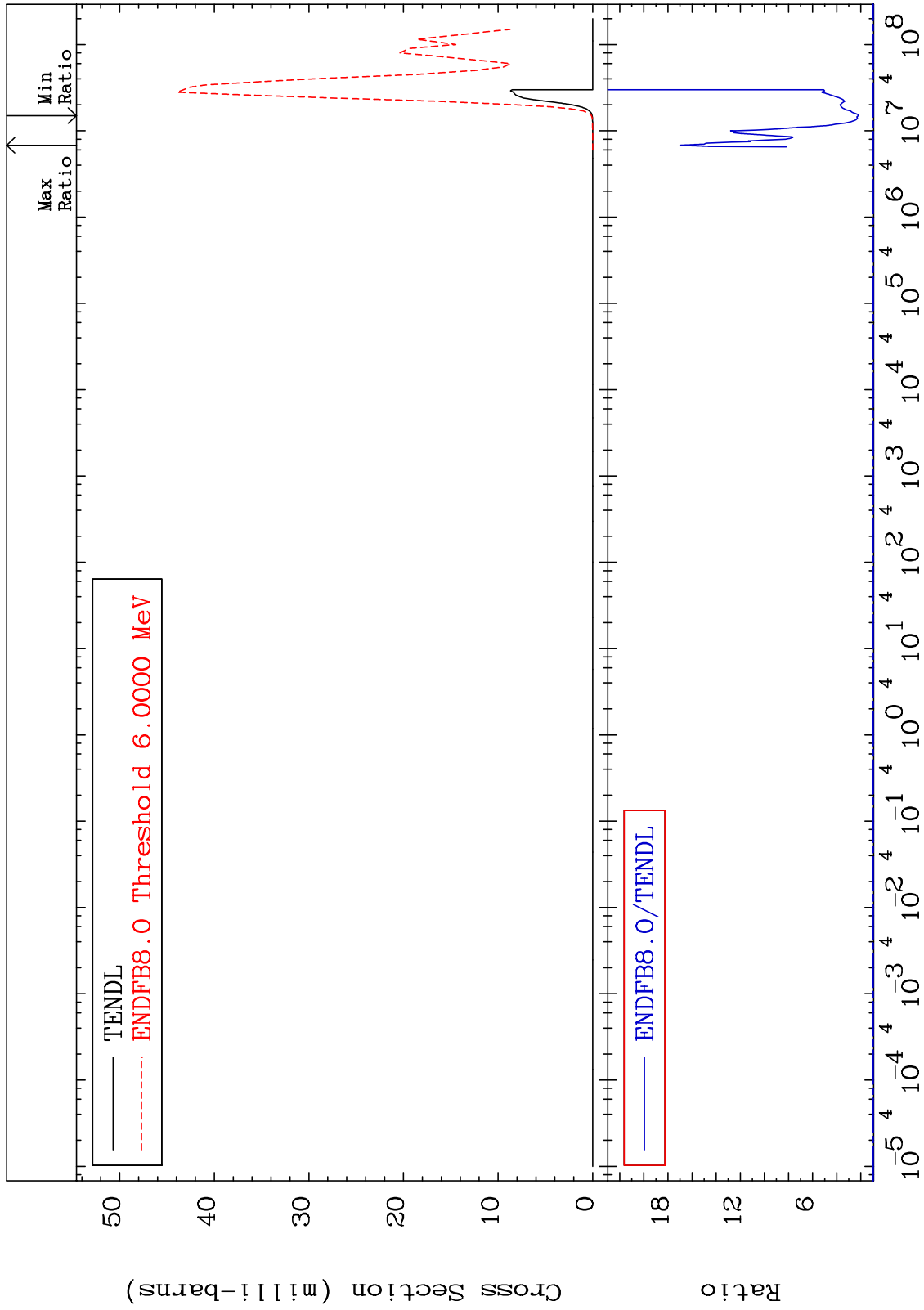
Incident Energy (eV)

74-W -182

MAT 7431

(n, n') α :72-Hf-178g
Radionuclide Production Cross Section 120.2 To 1600. %

74-W -182



38

Incident Energy (eV)

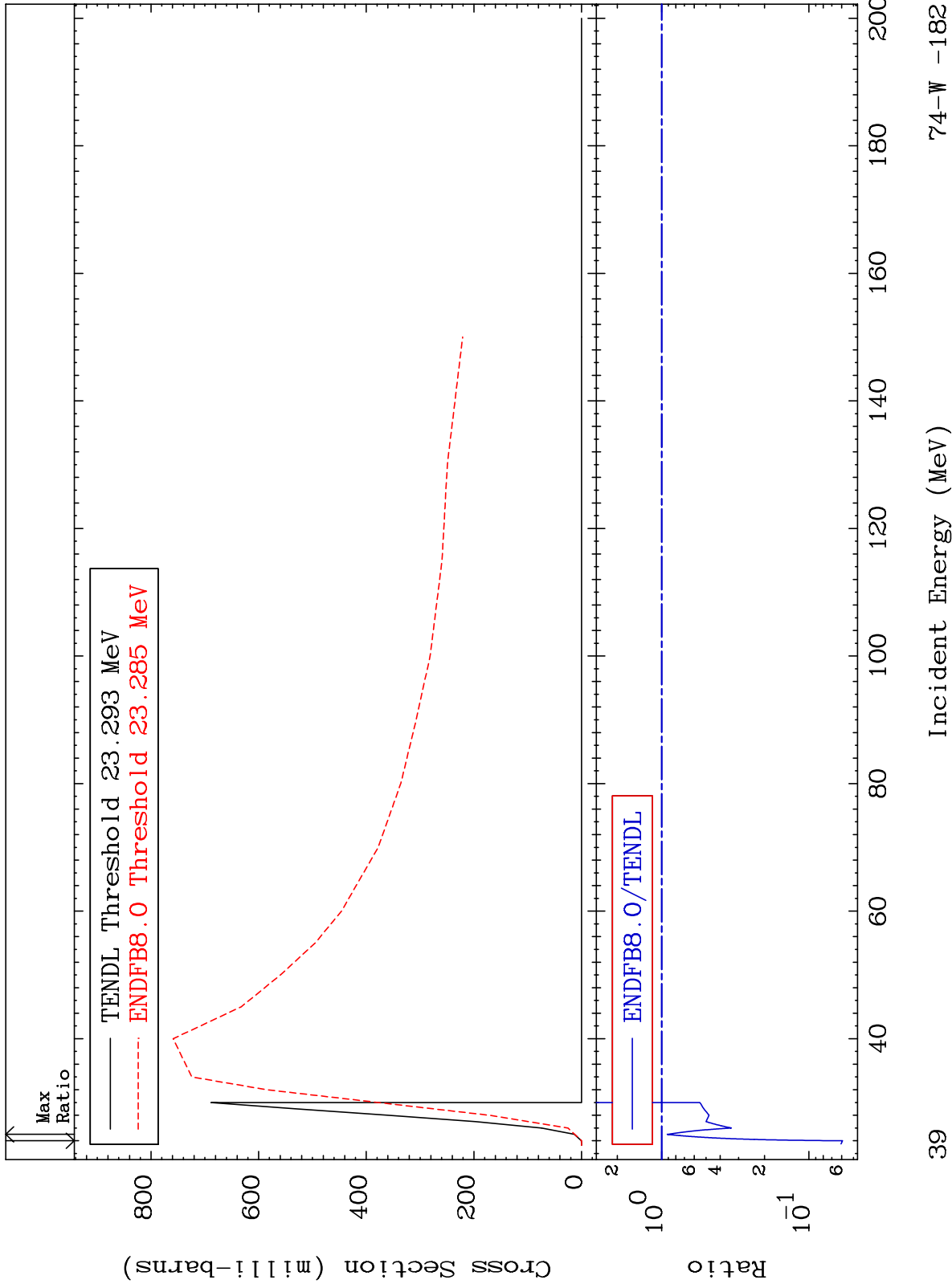
74-W -182

MAT 7431

(n,4n):74-W -179g

74-W -182

Radionuclide Production Cross Section -94.08 To -8.539%

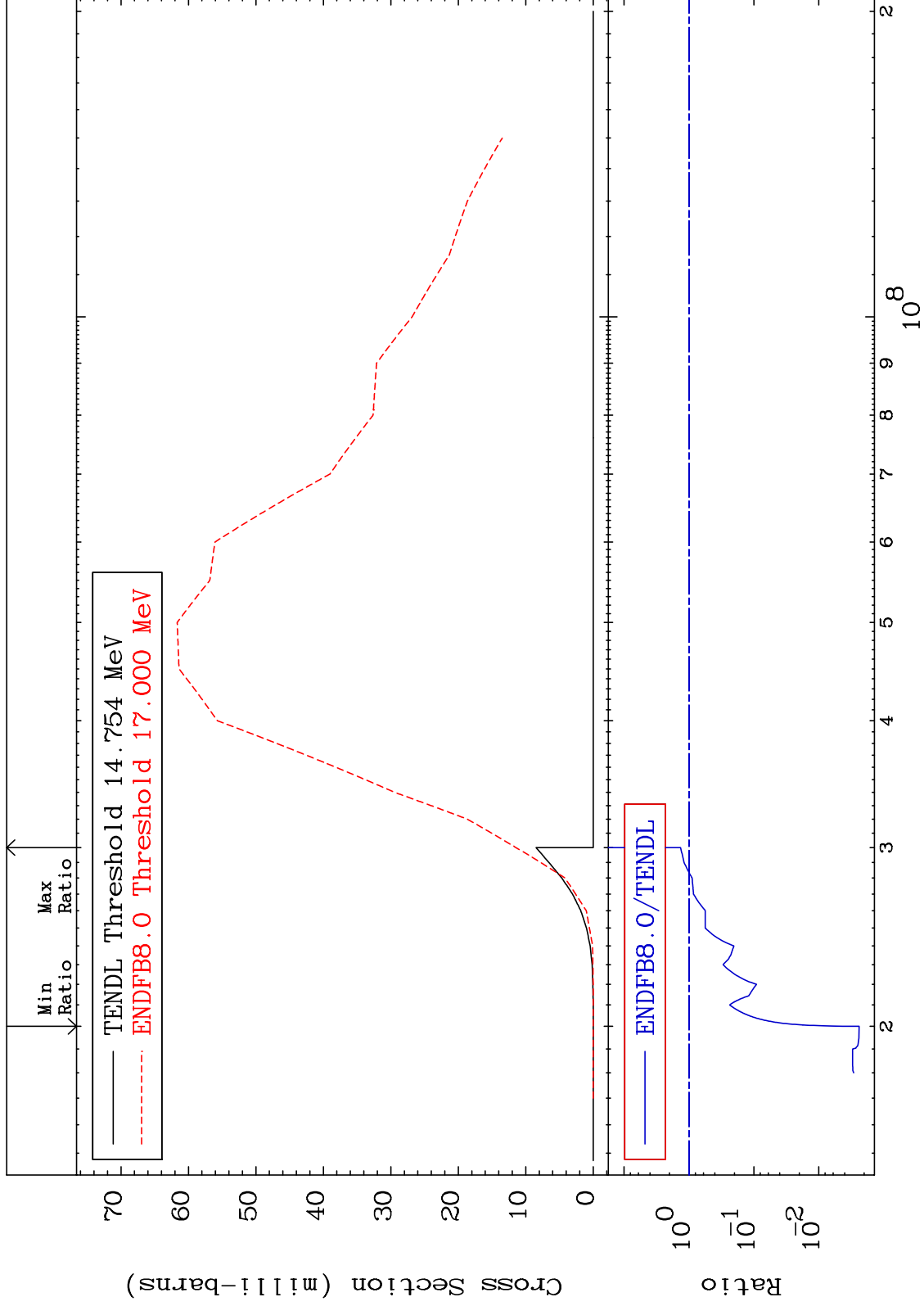


MAT 7431

(n,2n) p:73-Ta-180g

74-W -182

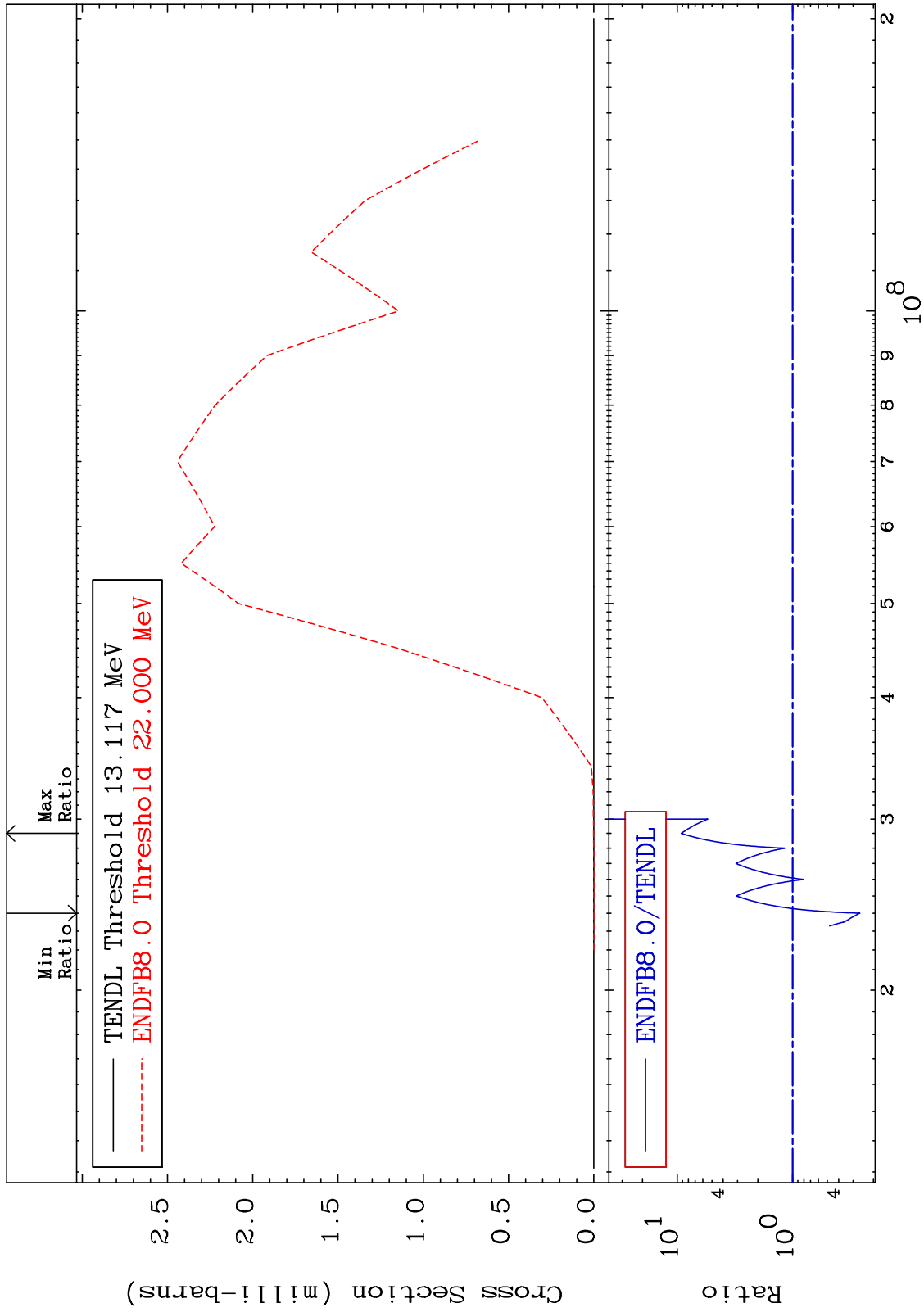
Radionuclide Production Cross Section -99.76 To 34.60 %



40

Incident Energy (eV)

74-W -182

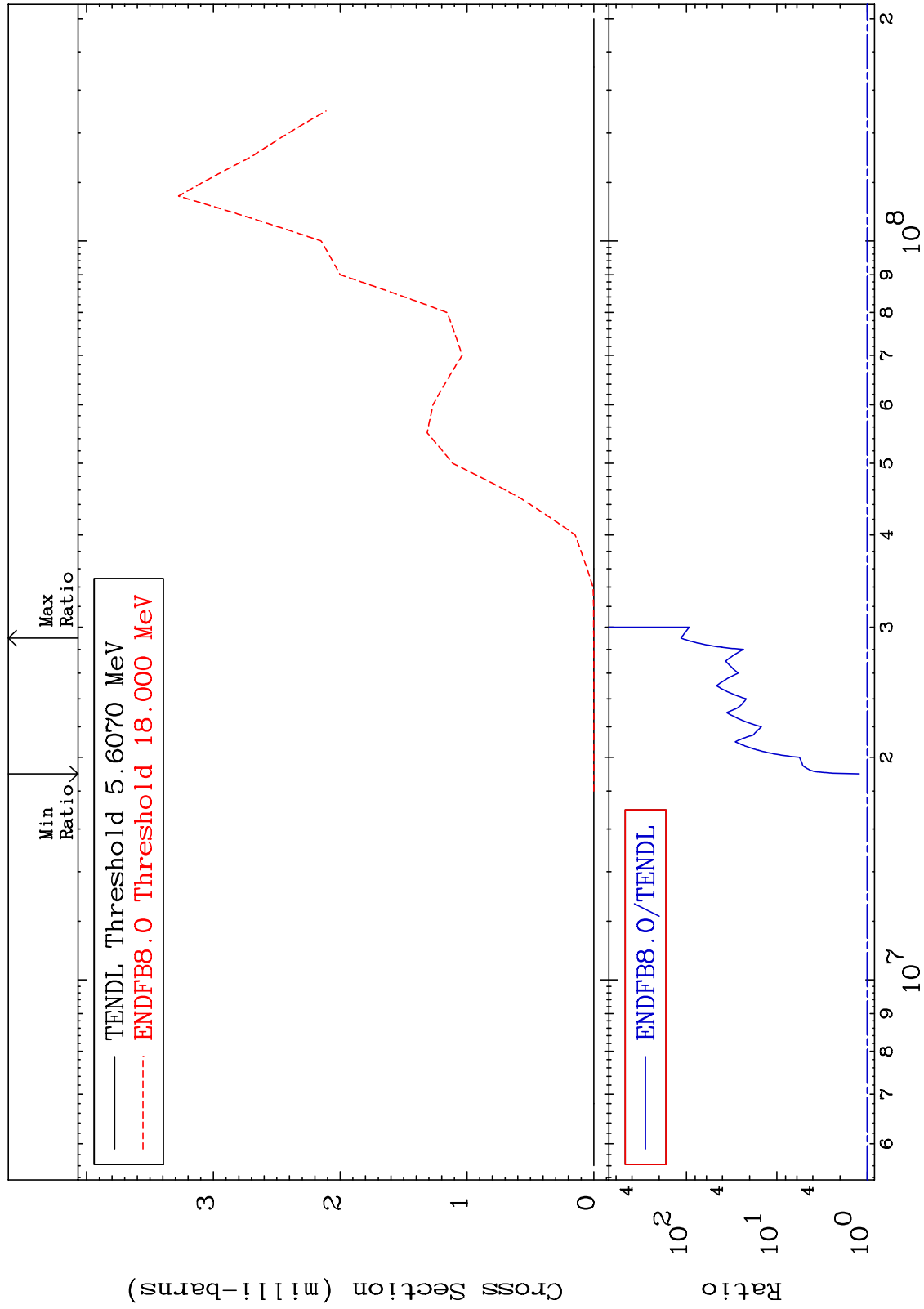


MAT 7431

(n, n') p α : 71-Lu-177g

74-W -182

Radionuclide Production Cross Section 22.61 To 9999. %



42

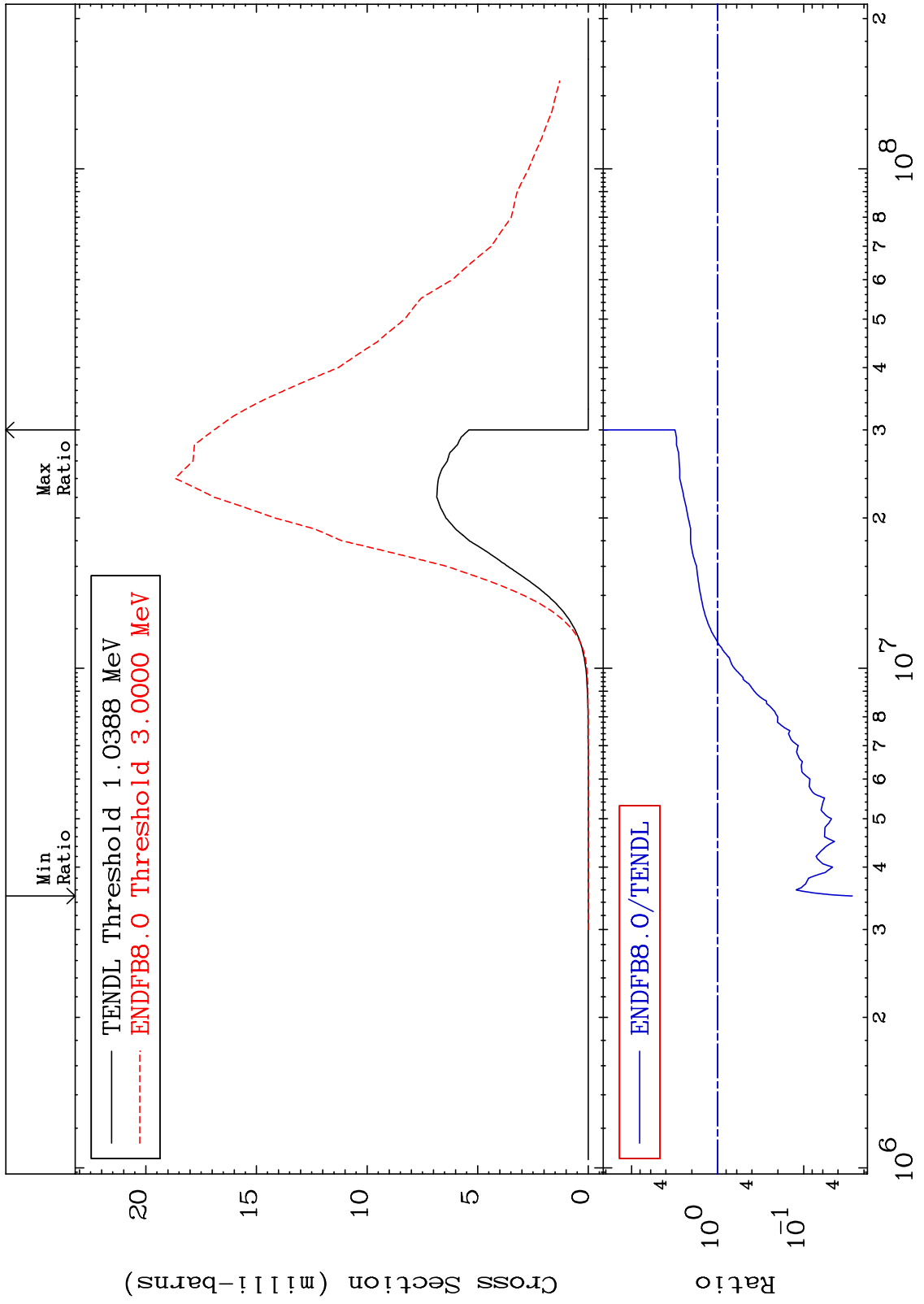
Incident Energy (eV)

74-W -182

MAT 7431

(n,p): 73-Ta-182g
Radionuclide Production Cross Section -97.27 To 213.3 %

74-W -182



43

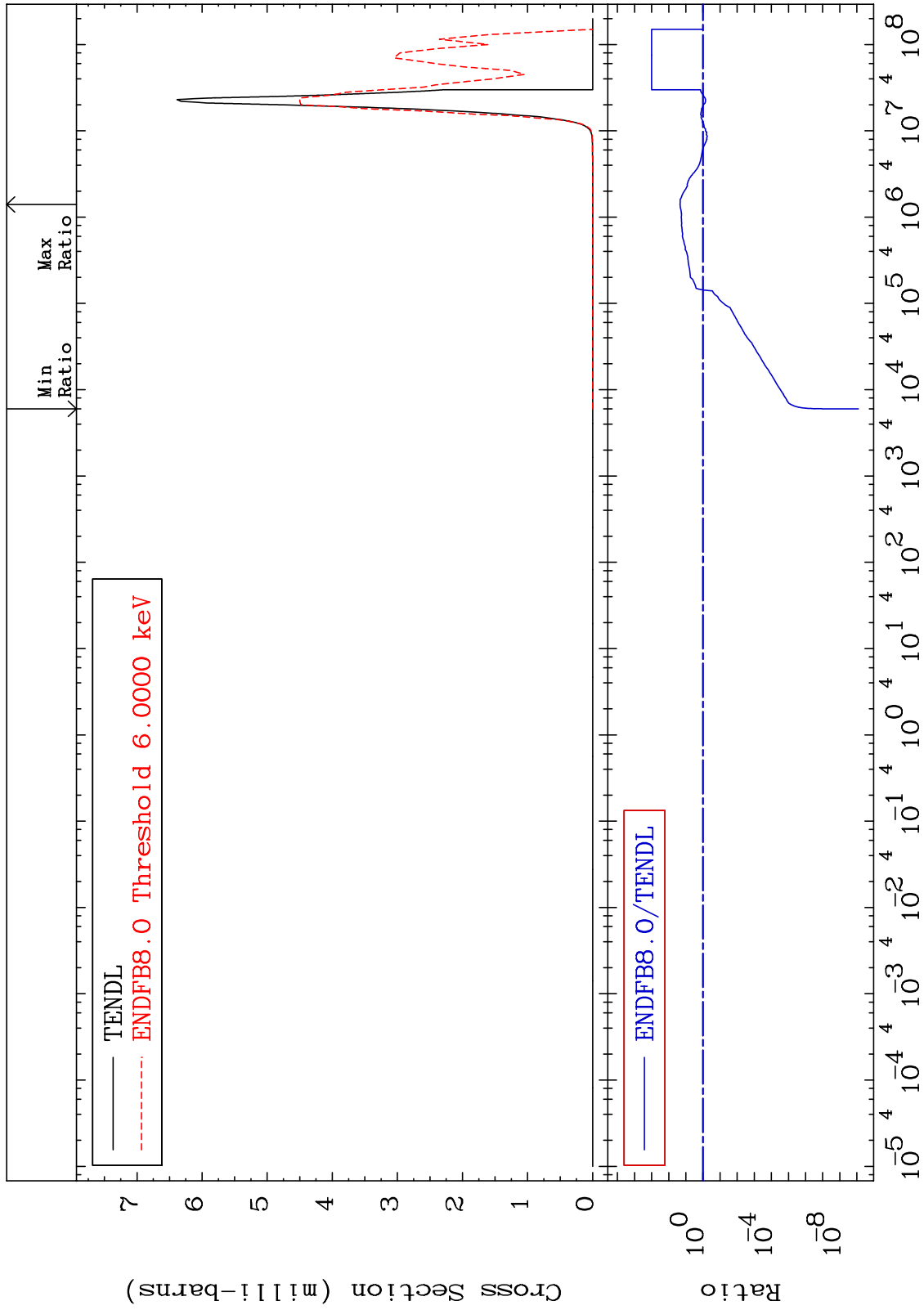
74-W -182

MAT 7431

(n, α): 72-Hf-179g

74-W -182

Radionuclide Production Cross Section -100.0 To 2096. %



44

Incident Energy (eV)

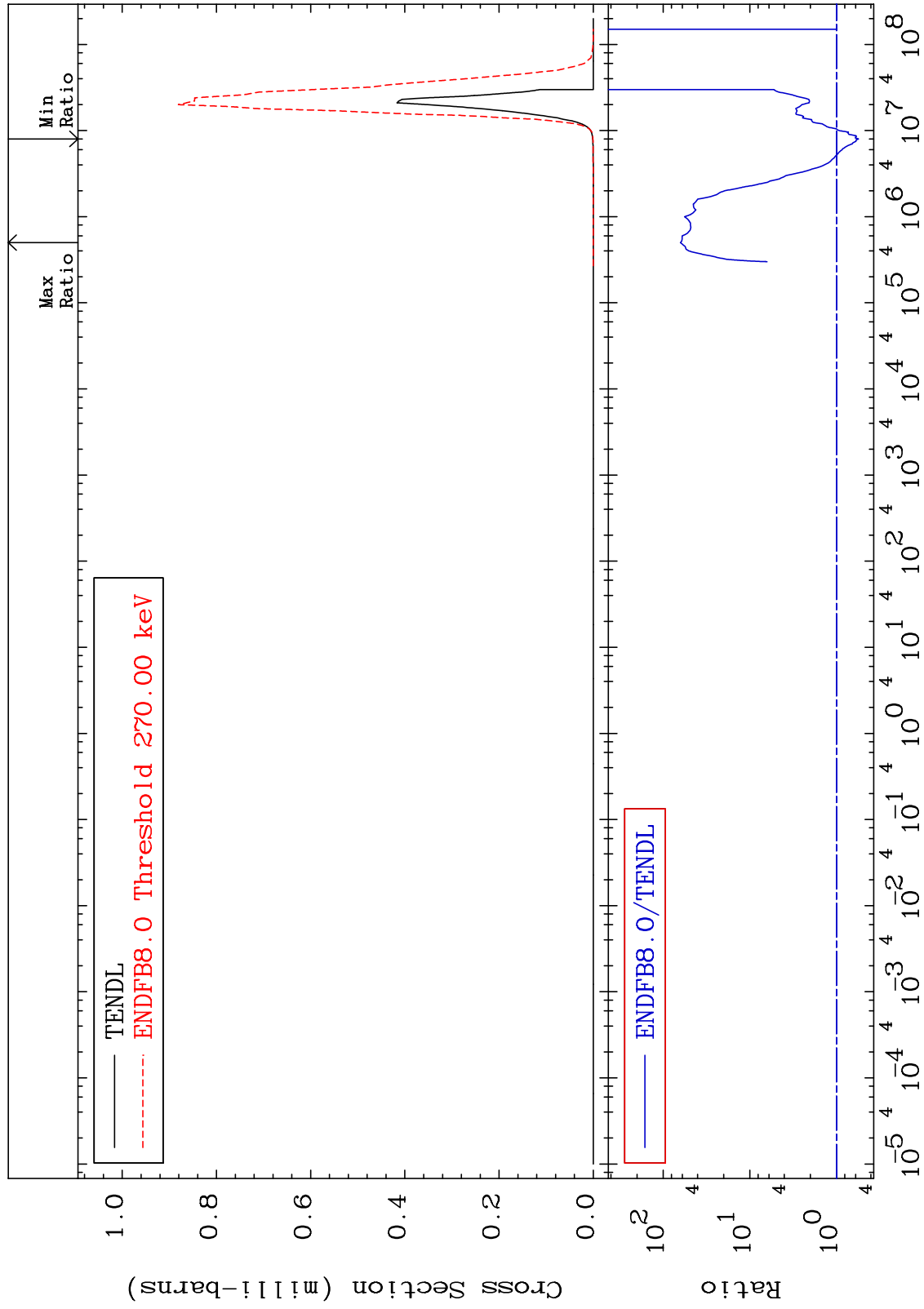
74-W -182

MAT 7431

(n, α): 72-Hf-179m5

74-W -182

Radionuclide Production Cross Section -44.45 To 6214. %



45

Incident Energy (eV)

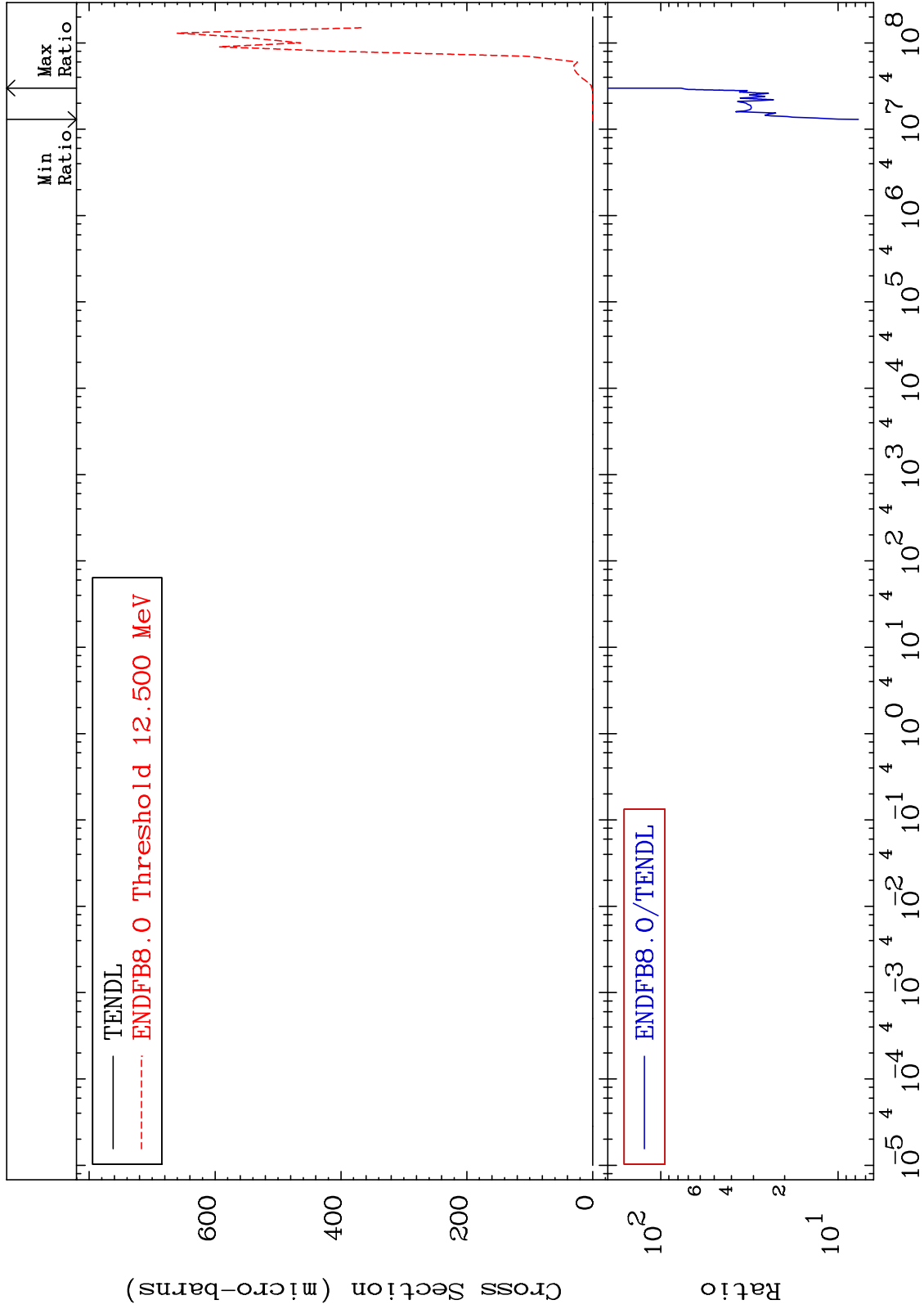
74-W -182

MAT 7431

(n, p) α : 71-Lu-178g

74-W -182

Radionuclide Production Cross Section 668.4 To 7691. %



46

Incident Energy (eV)

74-W -182