

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 8931

89-Ac-227

-25.68 To 302.3 %

Total
Cross Section

Min
Ratio

Max
Ratio

— TENDL
- - - JENDL4.0

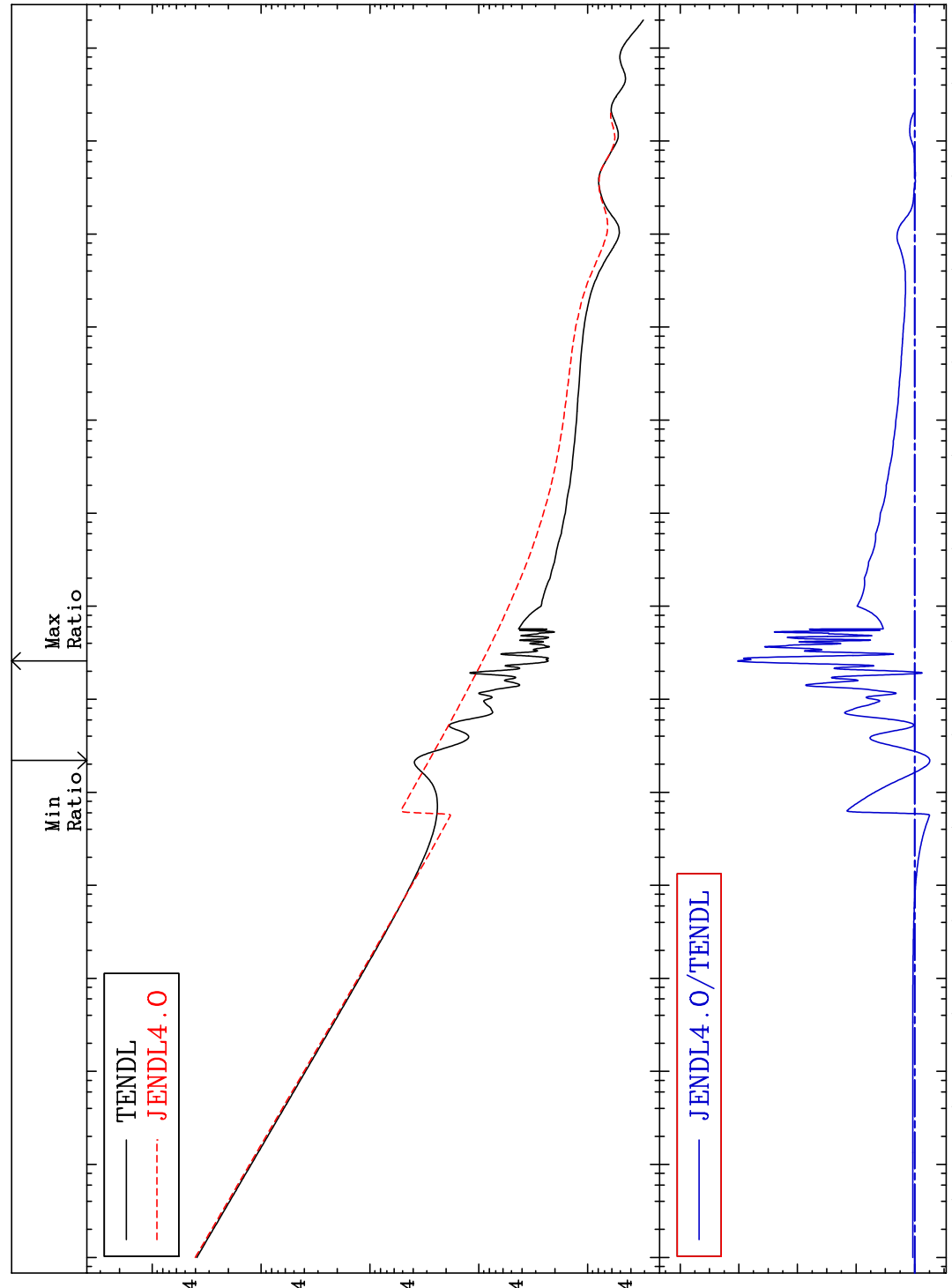
— JENDL4.0/TENDL

10⁵
10⁴
10³
10²
10¹
Cross Section (barns)

Ratio

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

89-Ac-227



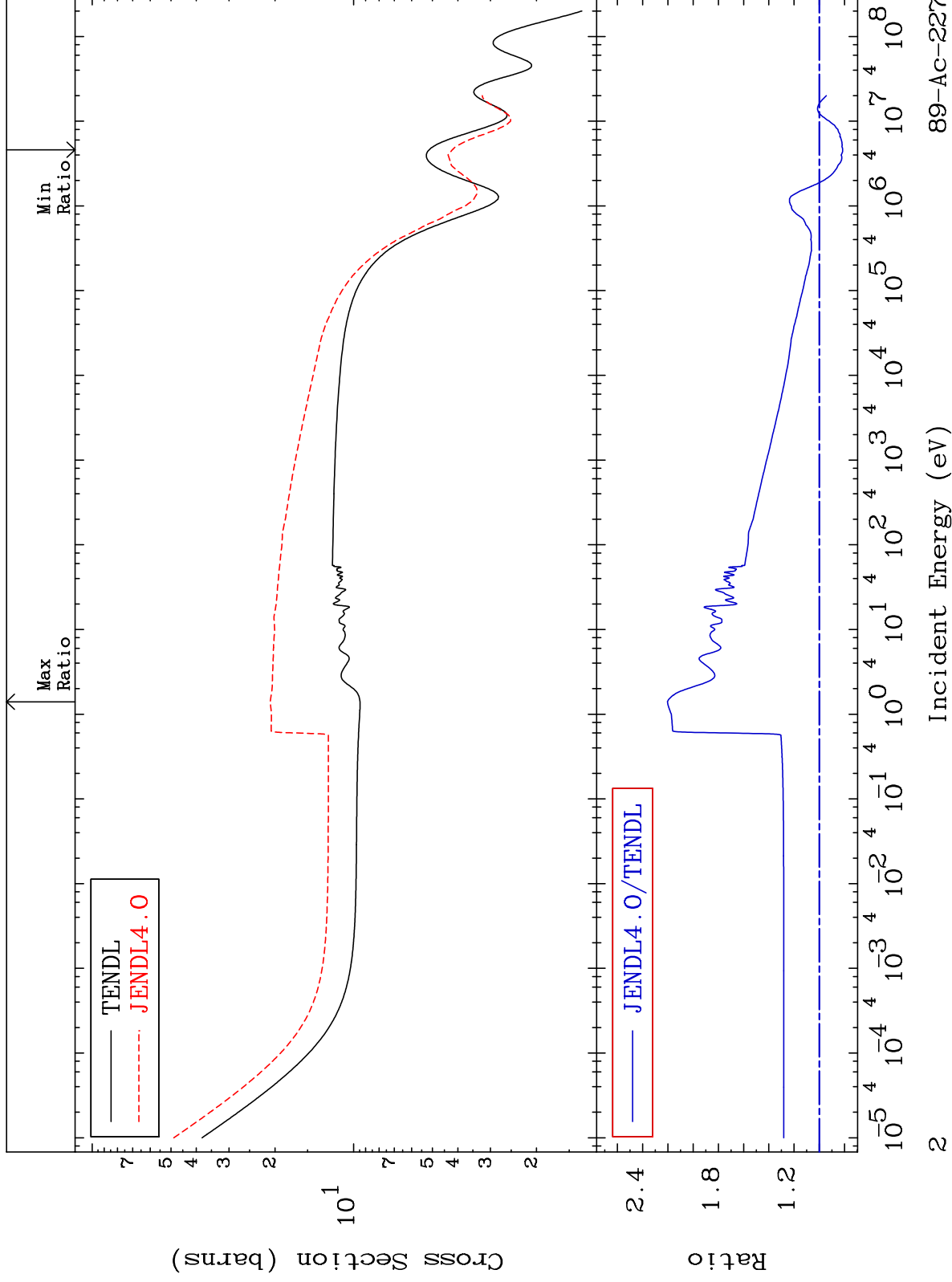
MAT 8931

Elastic

Cross Section

89-Ac-227

-18.52 To 120.3 %



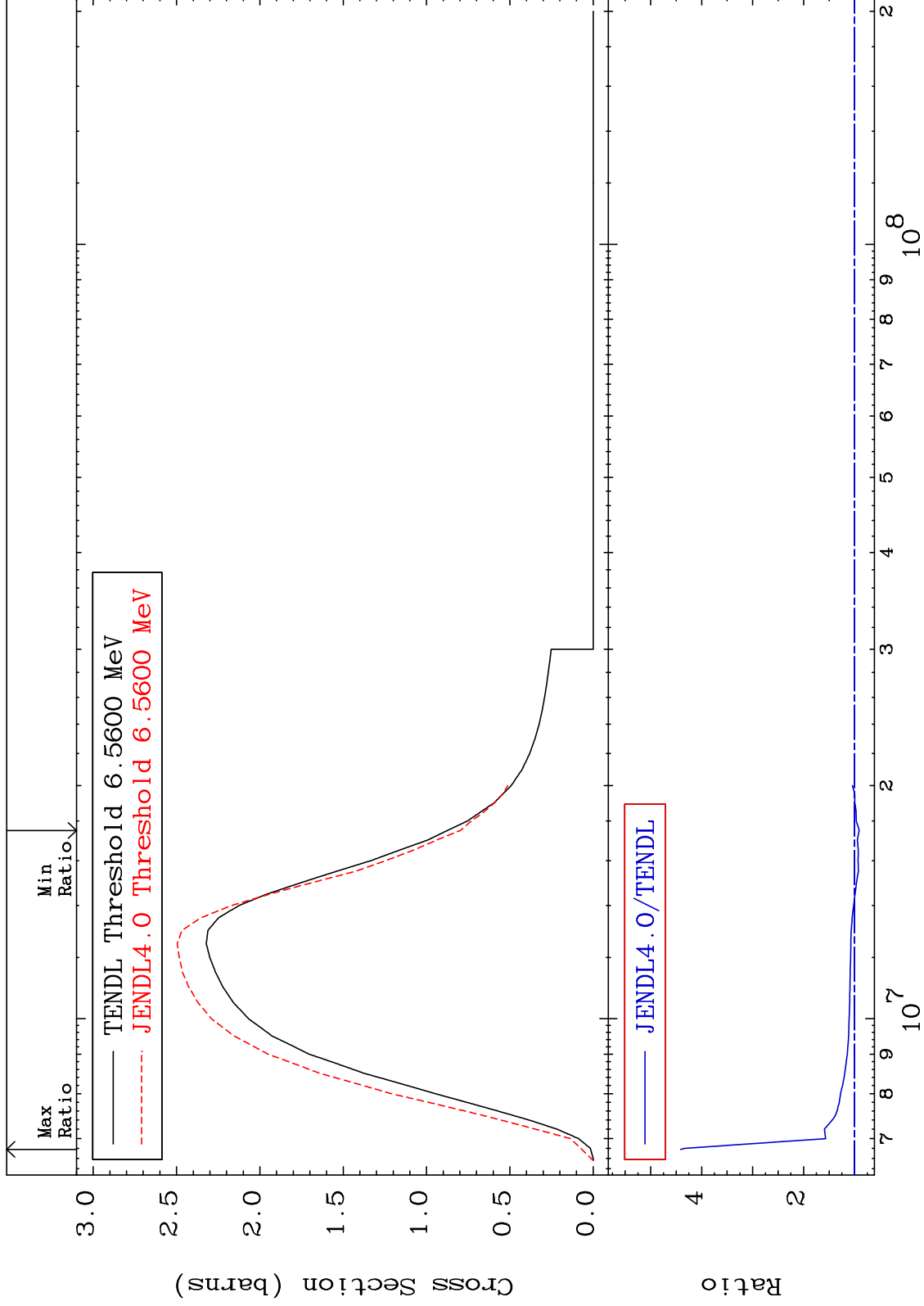
MAT 8931

(n,2n)

89-Ac-227

Cross Section

-8.895 To 341.3 %



4

Incident Energy (eV)

89-Ac-227

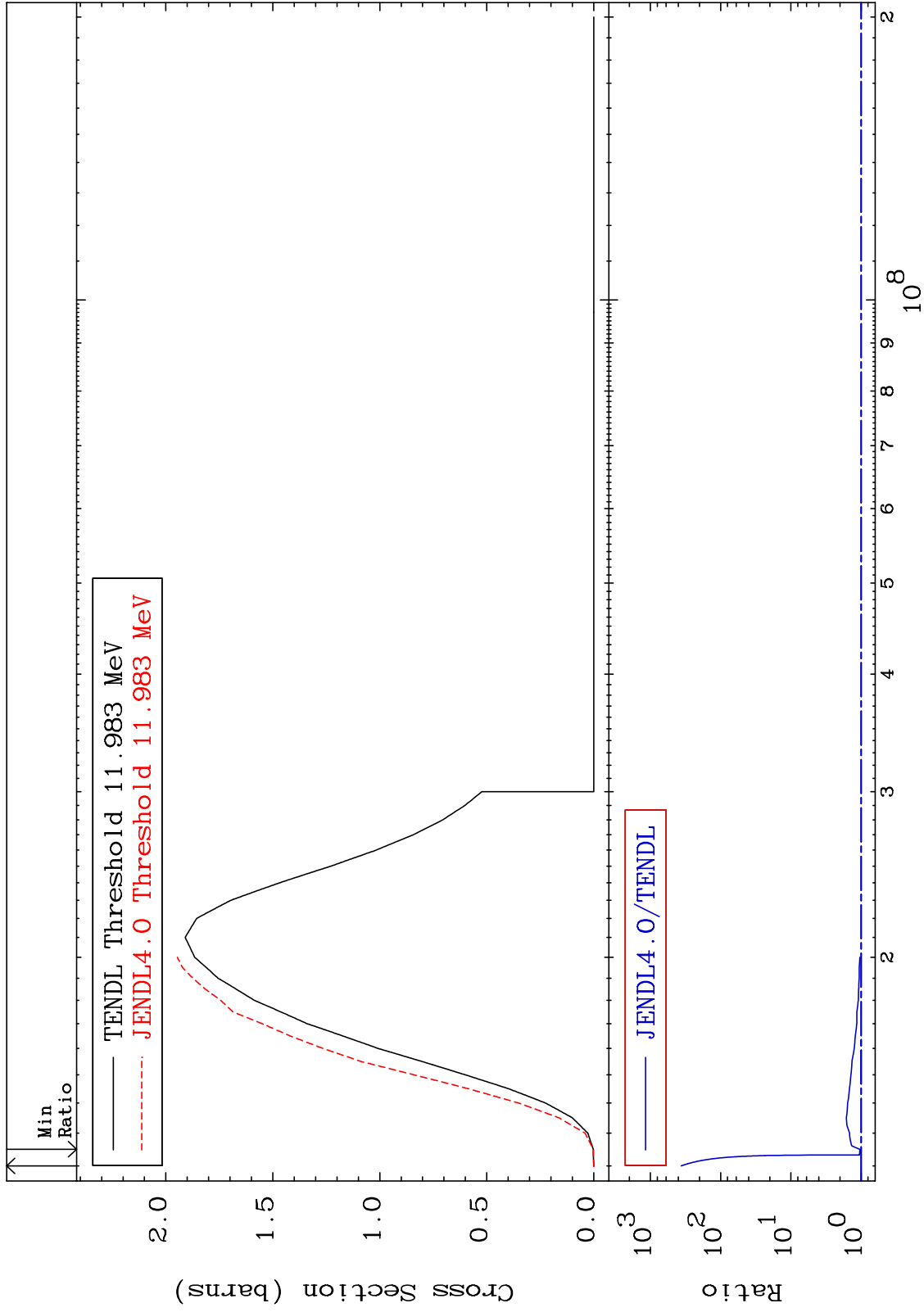
MAT 8931

(n, 3n)

89-Ac-227

Cross Section

4.110 To 9999. %



Incident Energy (eV)

89-Ac-227

5

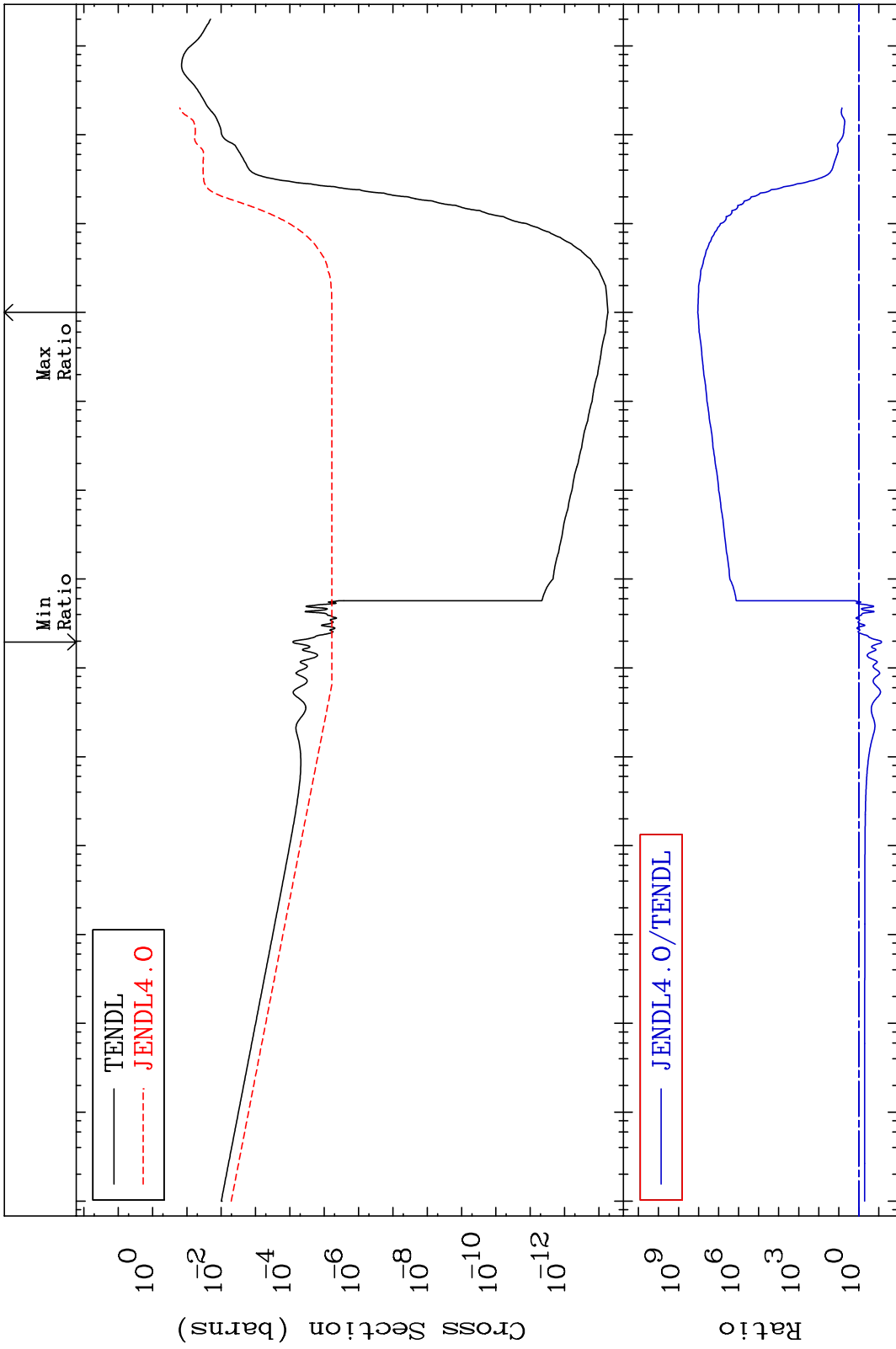
MAT 8931

Fission

89-Ac-227

Cross Section

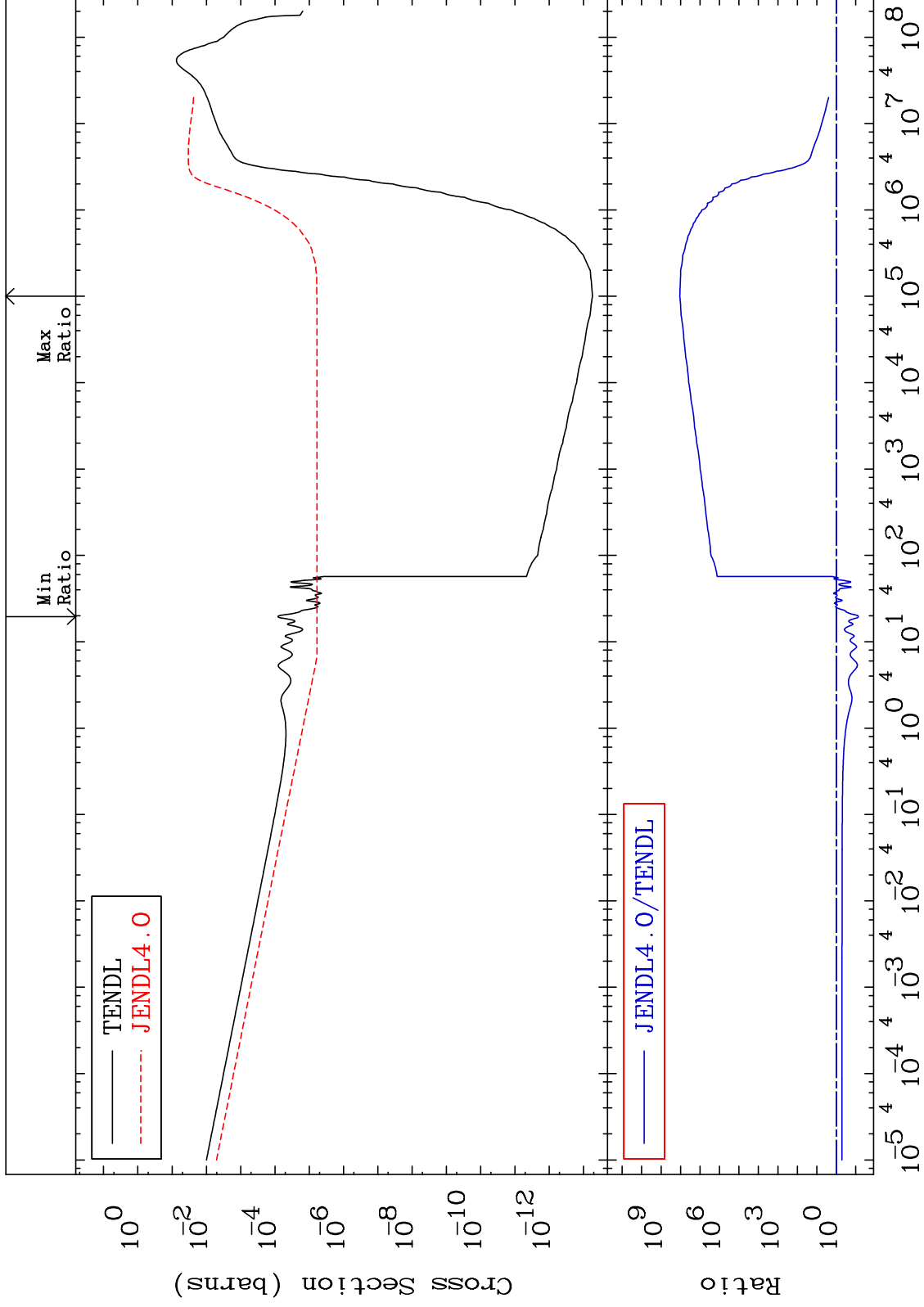
-92.64 To 9999. %



MAT 8931

(n,f) First Chance
Cross Section

89-Ac-227
-92.64 To 9999. %



7

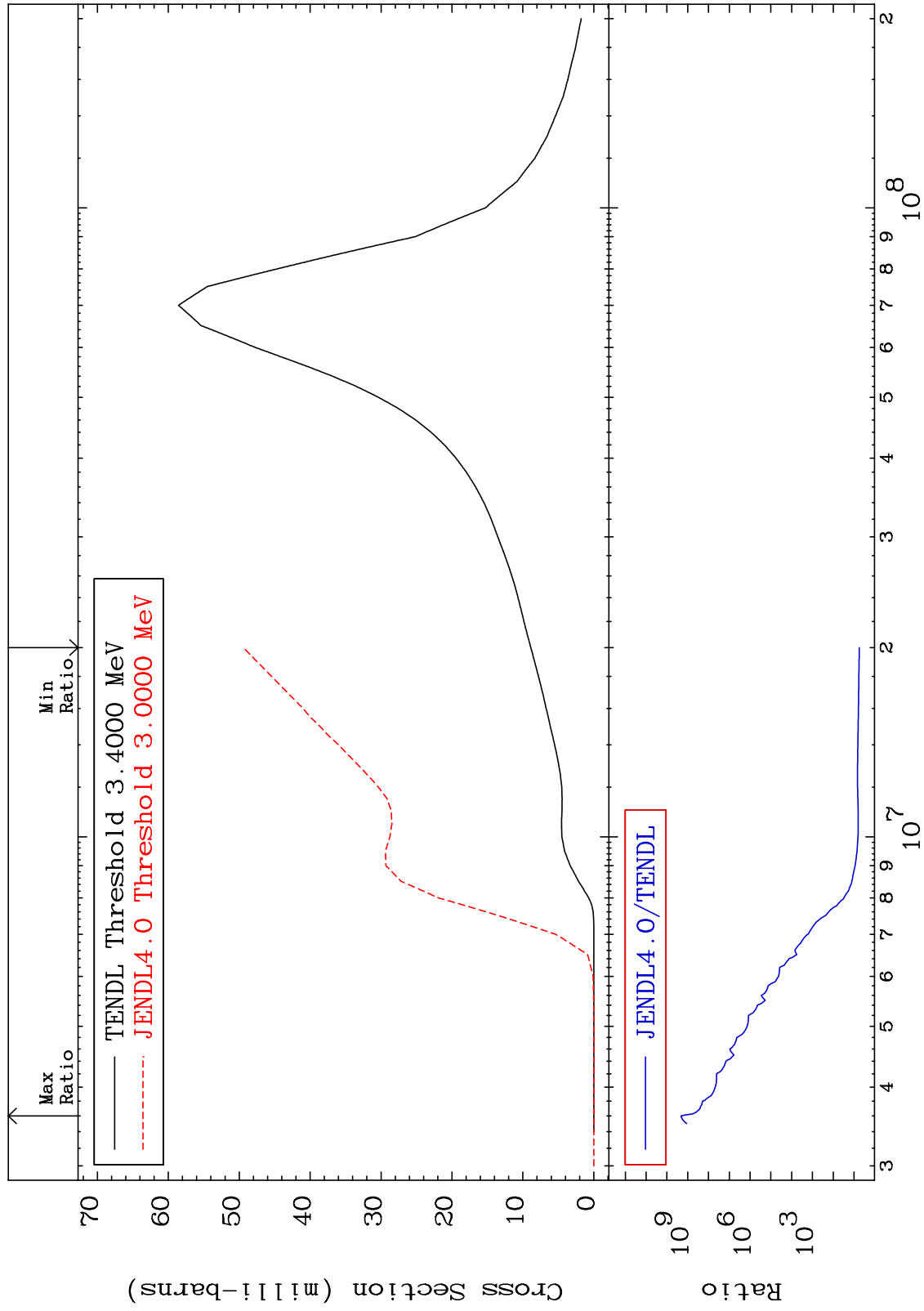
Incident Energy (eV)

89-Ac-227

MAT 8931

(n, nf) Second Chance
Cross Section

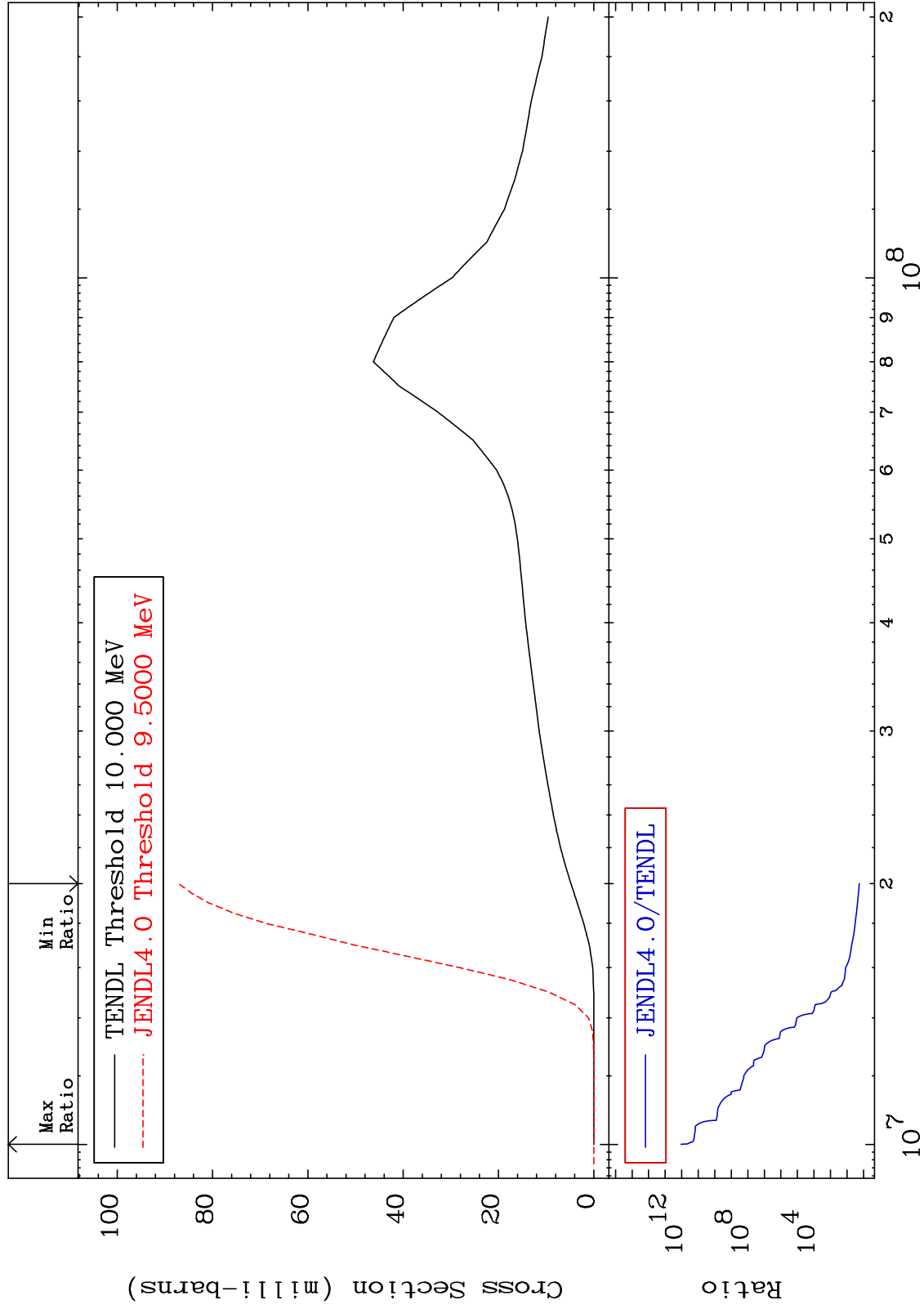
89-Ac-227
456.3 To 9999. %



MAT 8931

(n,2nf) Third Chance
Cross Section

89-Ac-227
1713. To 9999. %



89-Ac-227

Incident Energy (eV)

9

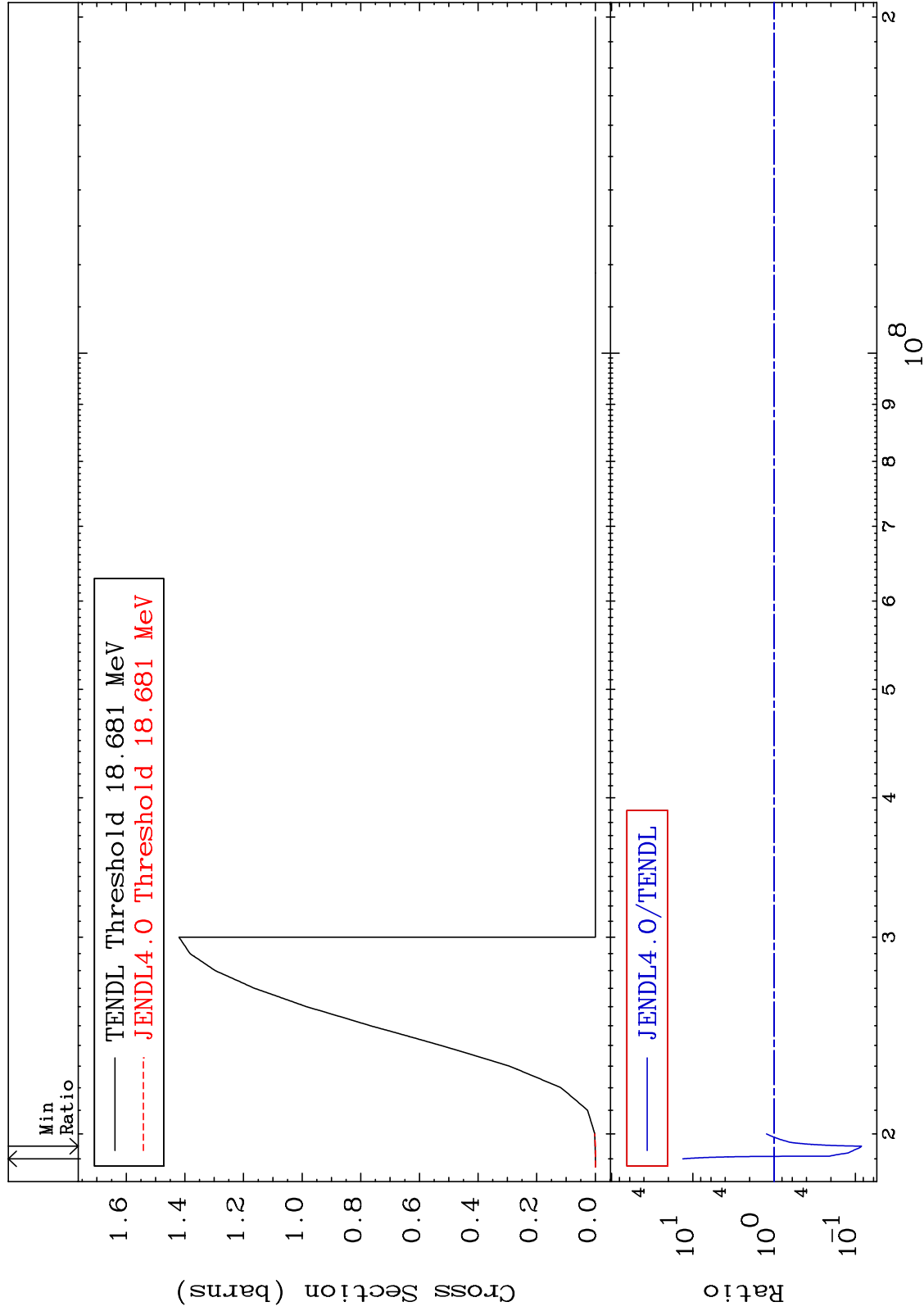
MAT 8931

(n, 4n)

89-Ac-227

Cross Section

-91.60 To 1227. %



10

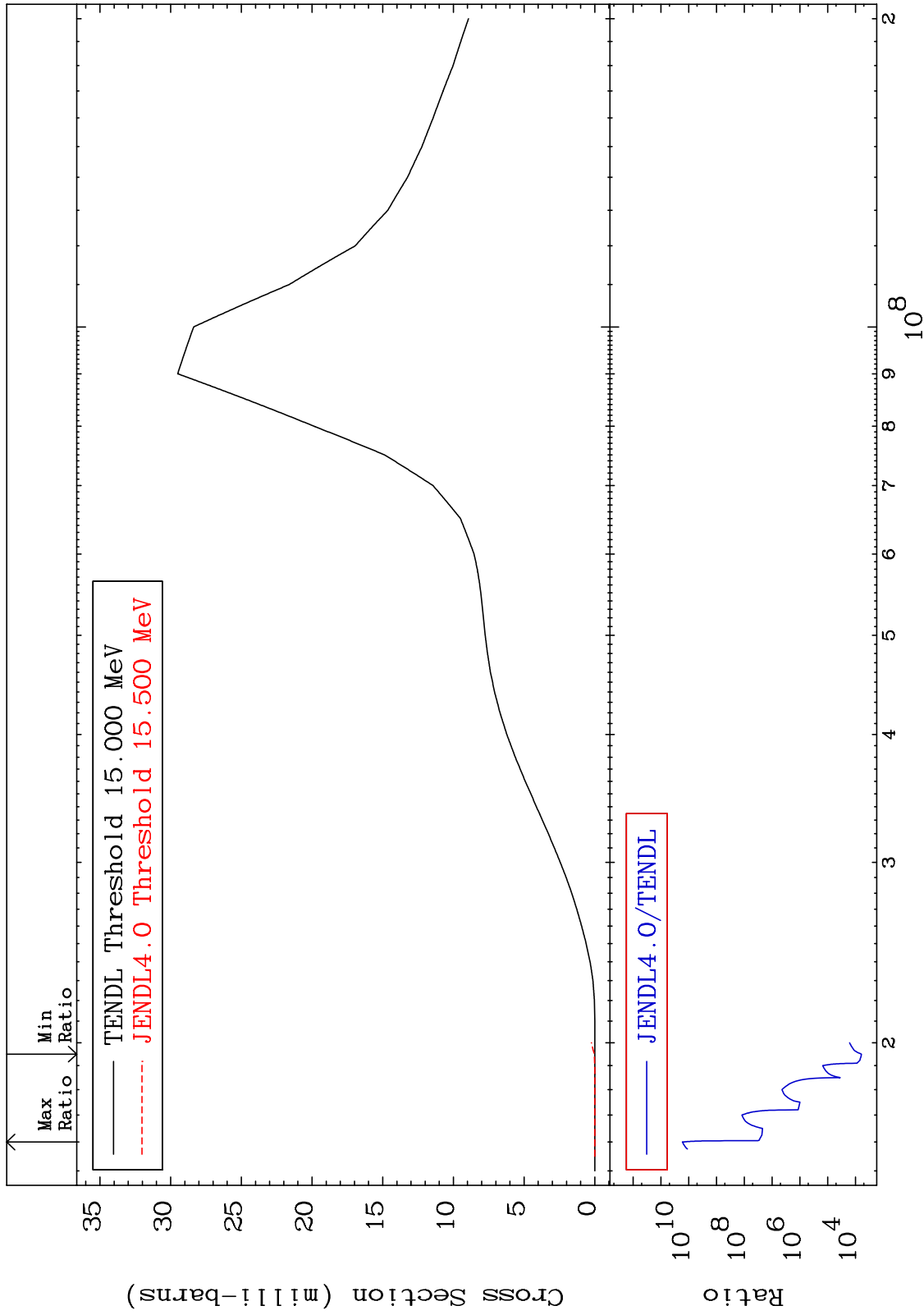
Incident Energy (eV)

89-Ac-227

MAT 8931

(n,3nf) Fourth Chance
Cross Section

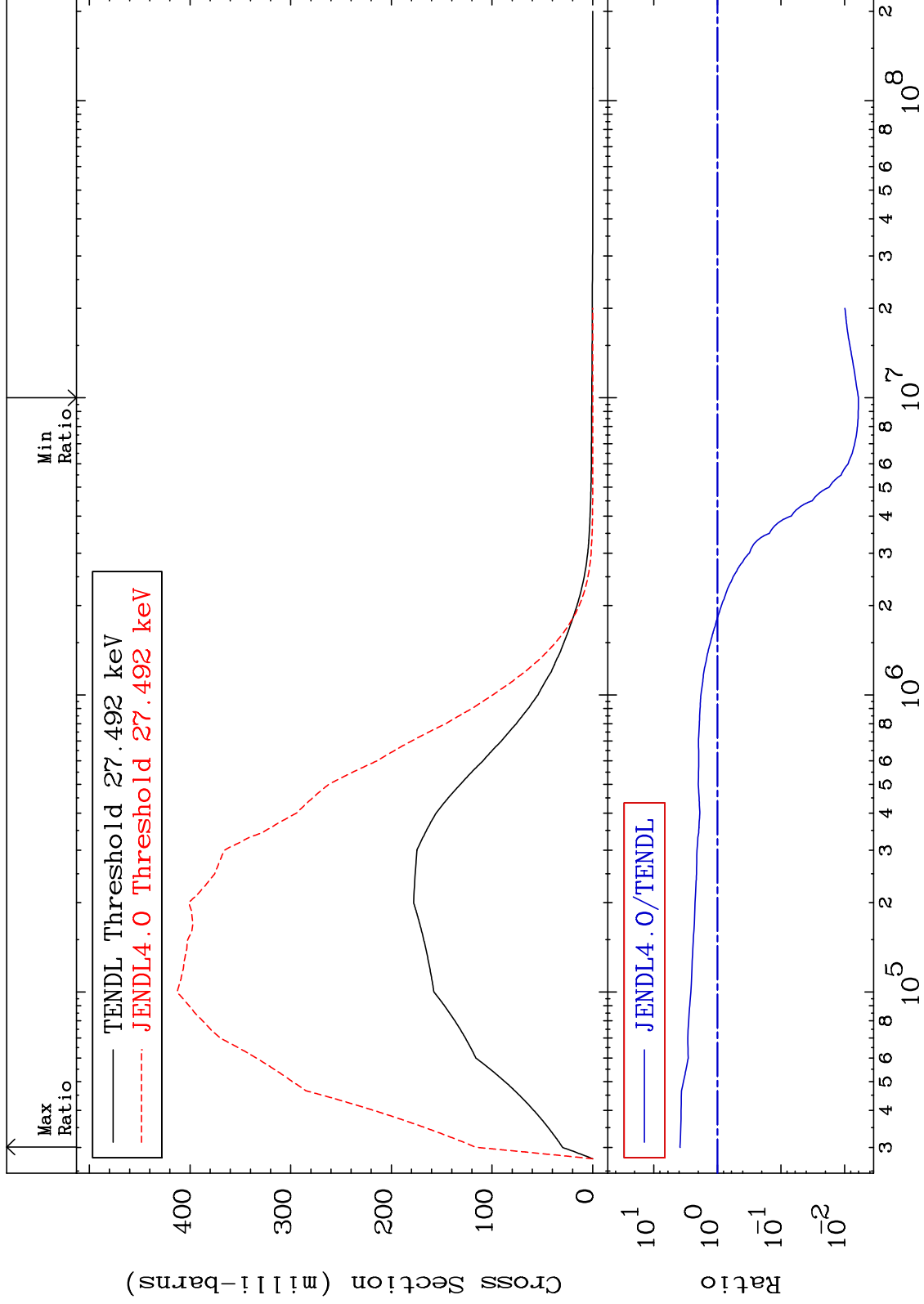
89-Ac-227
9999. To 9999. %



MAT 8931

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

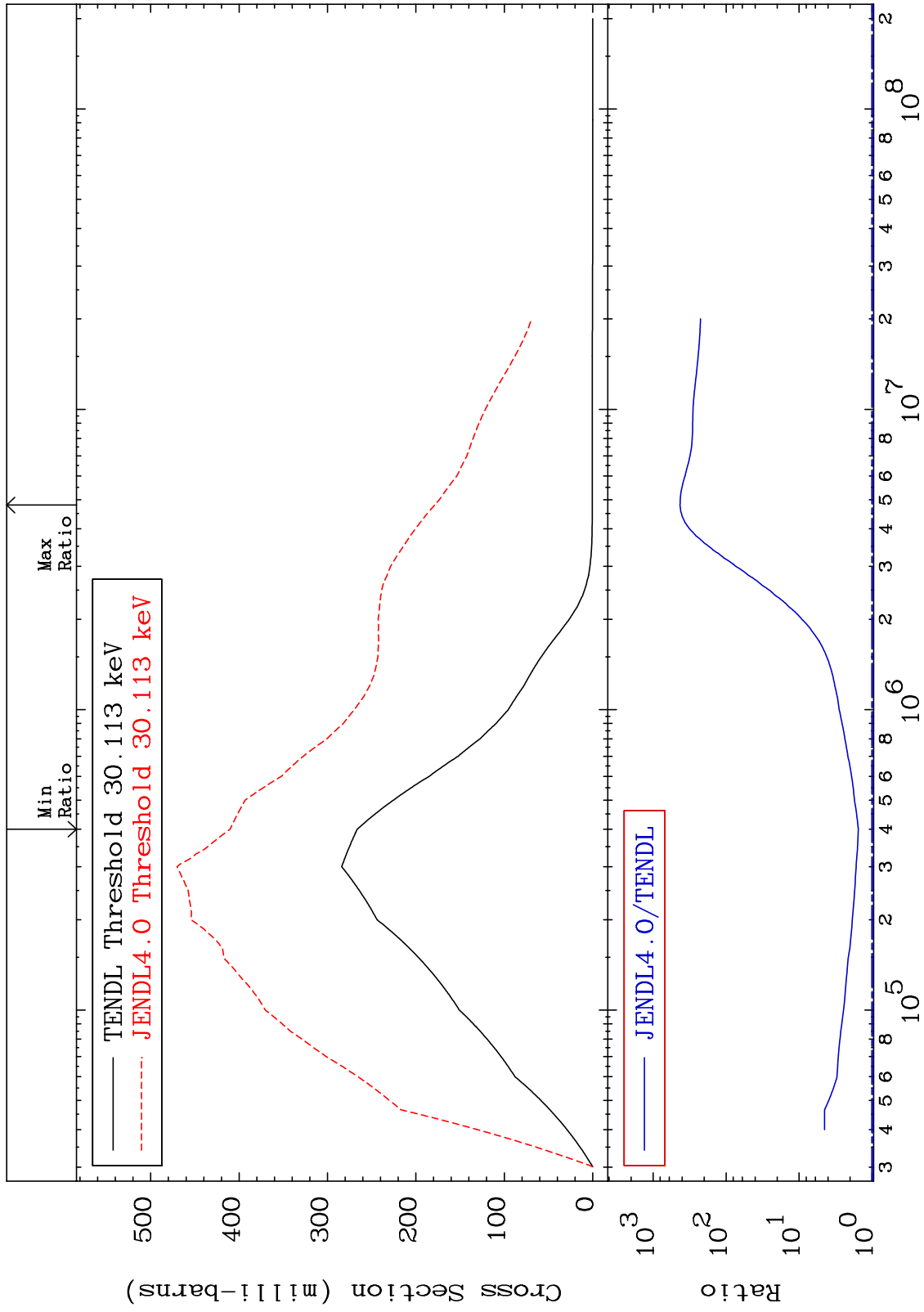
89-Ac-227
-99.39 To 287.1 %



MAT 8931

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

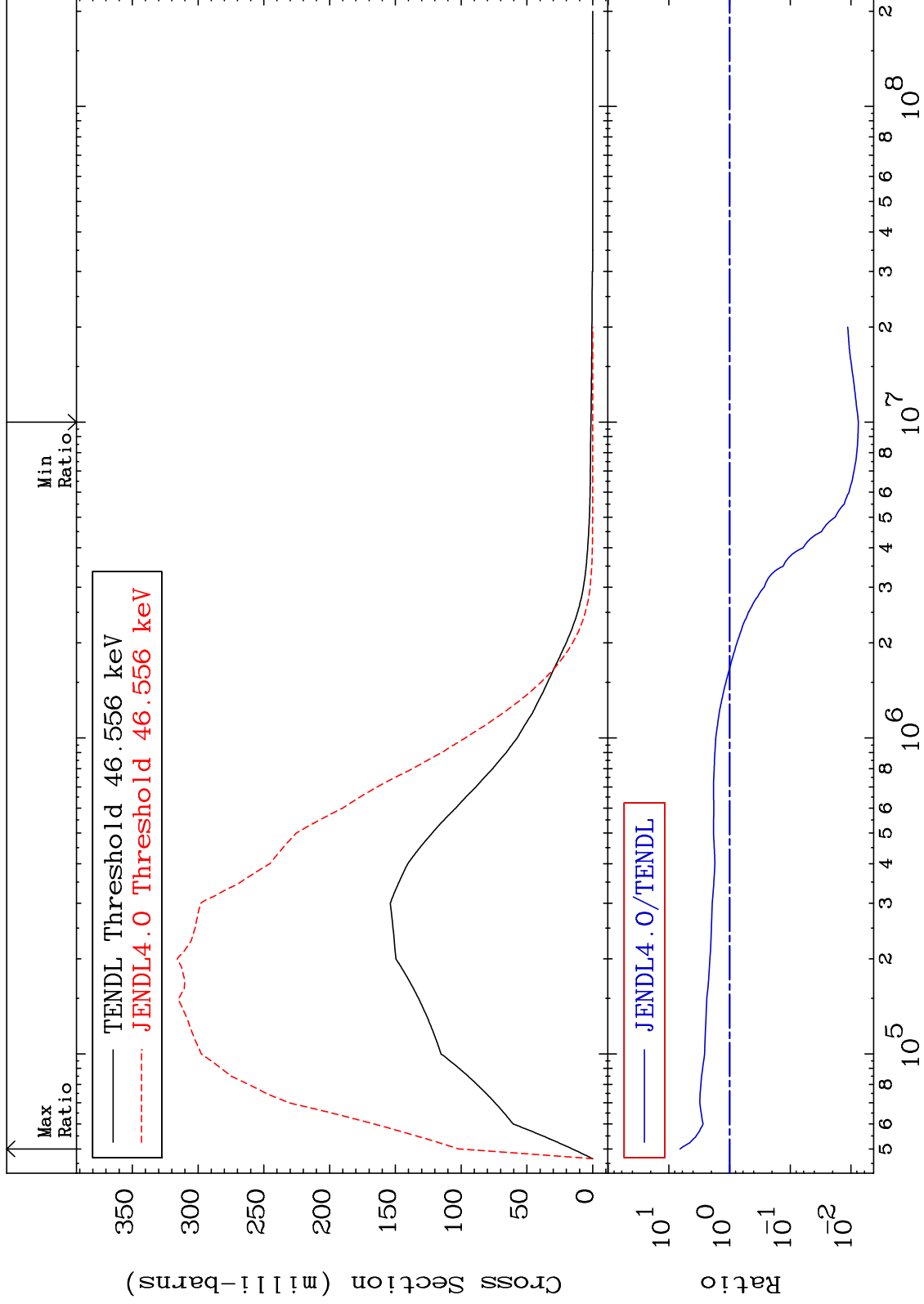
53.97 To 9999. %
89-Ac-227



MAT 8931

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

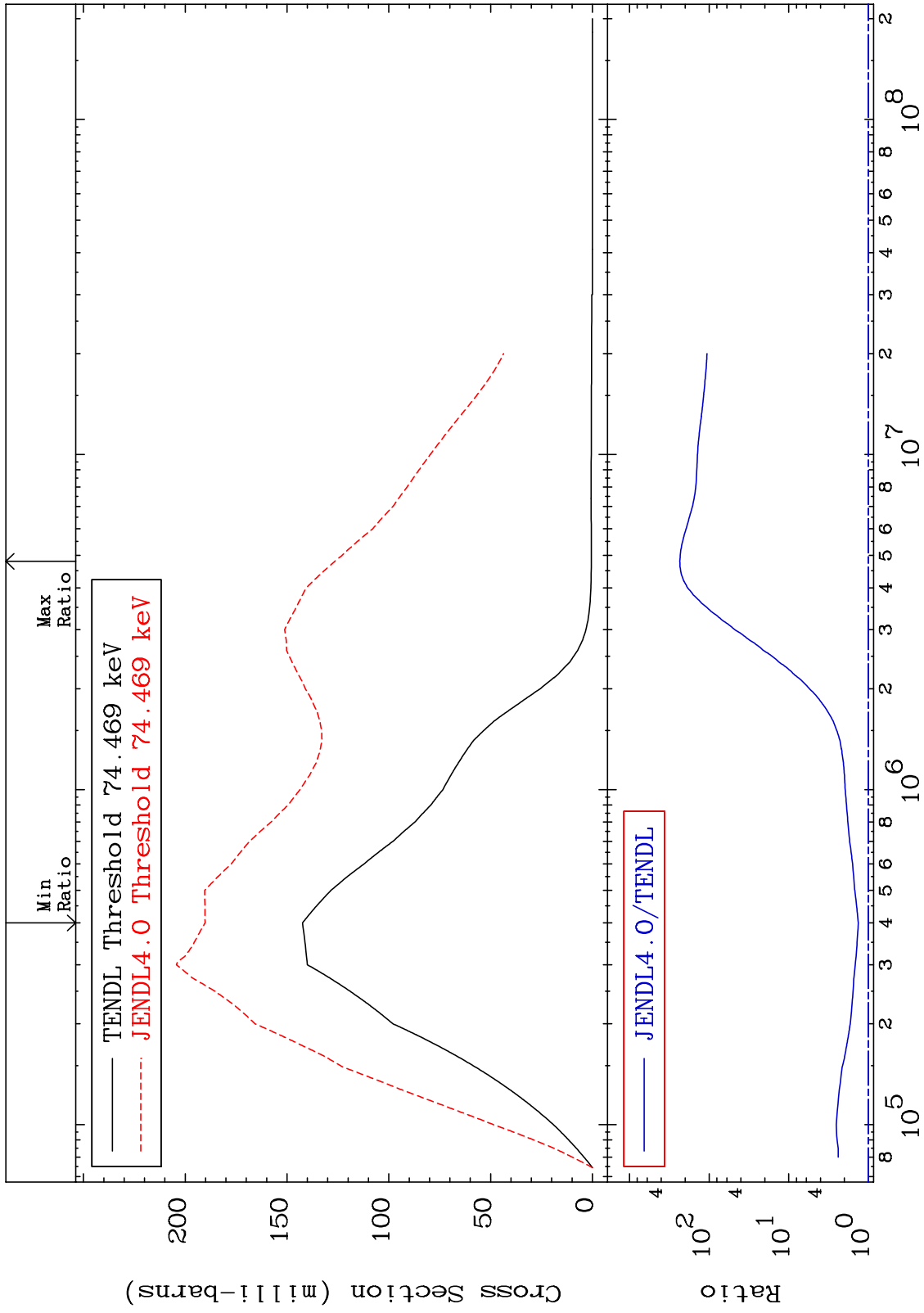
89-Ac-227
-99.25 To 556.5 %



MAT 8931

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

89-Ac-227
33.59 To 9999. %



15

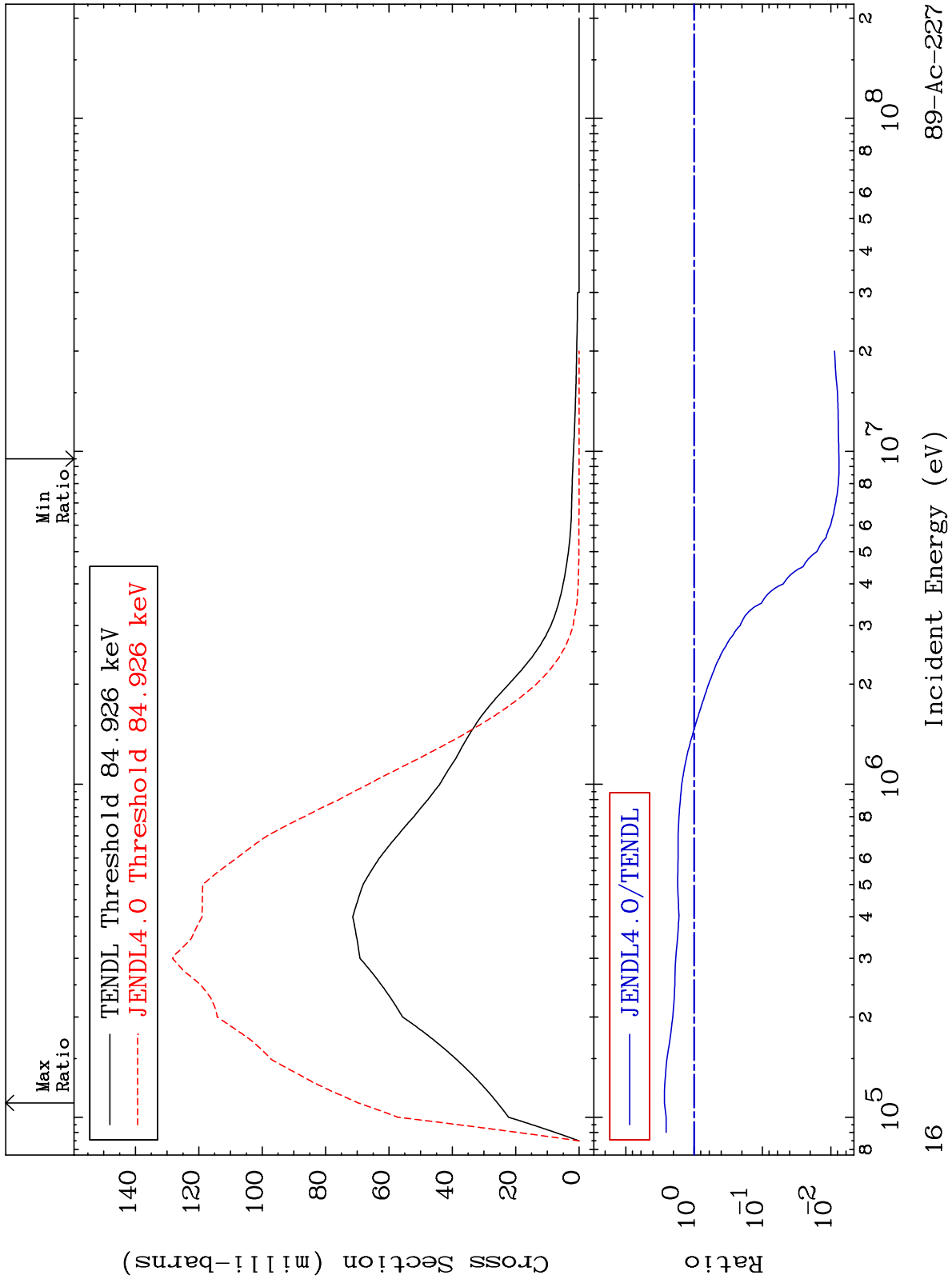
Incident Energy (eV)

89-Ac-227

MAT 8931

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

89-Ac-227
-99.24 To 170.8 %



89-Ac-227

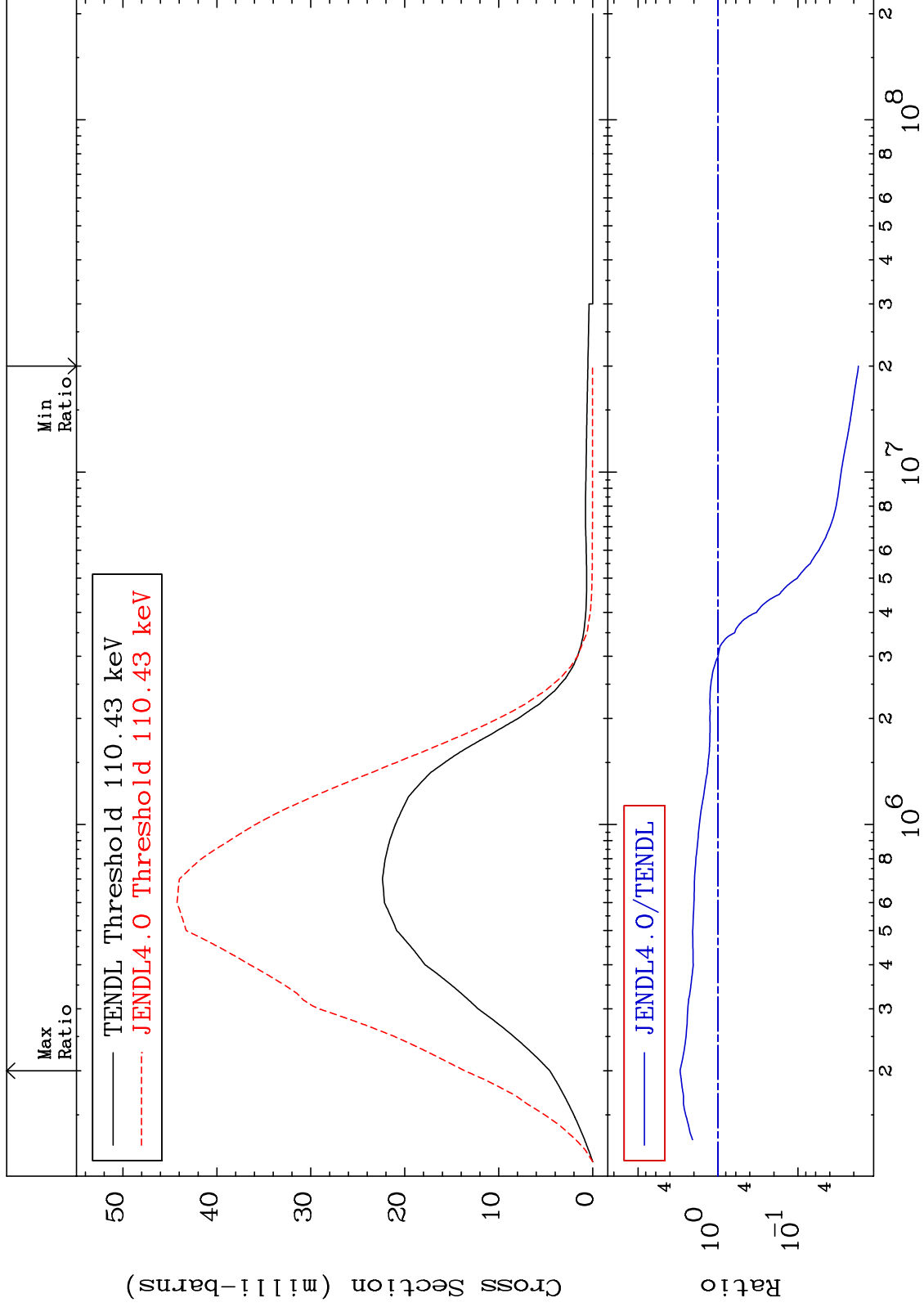
Incident Energy (eV)

16

MAT 8931

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

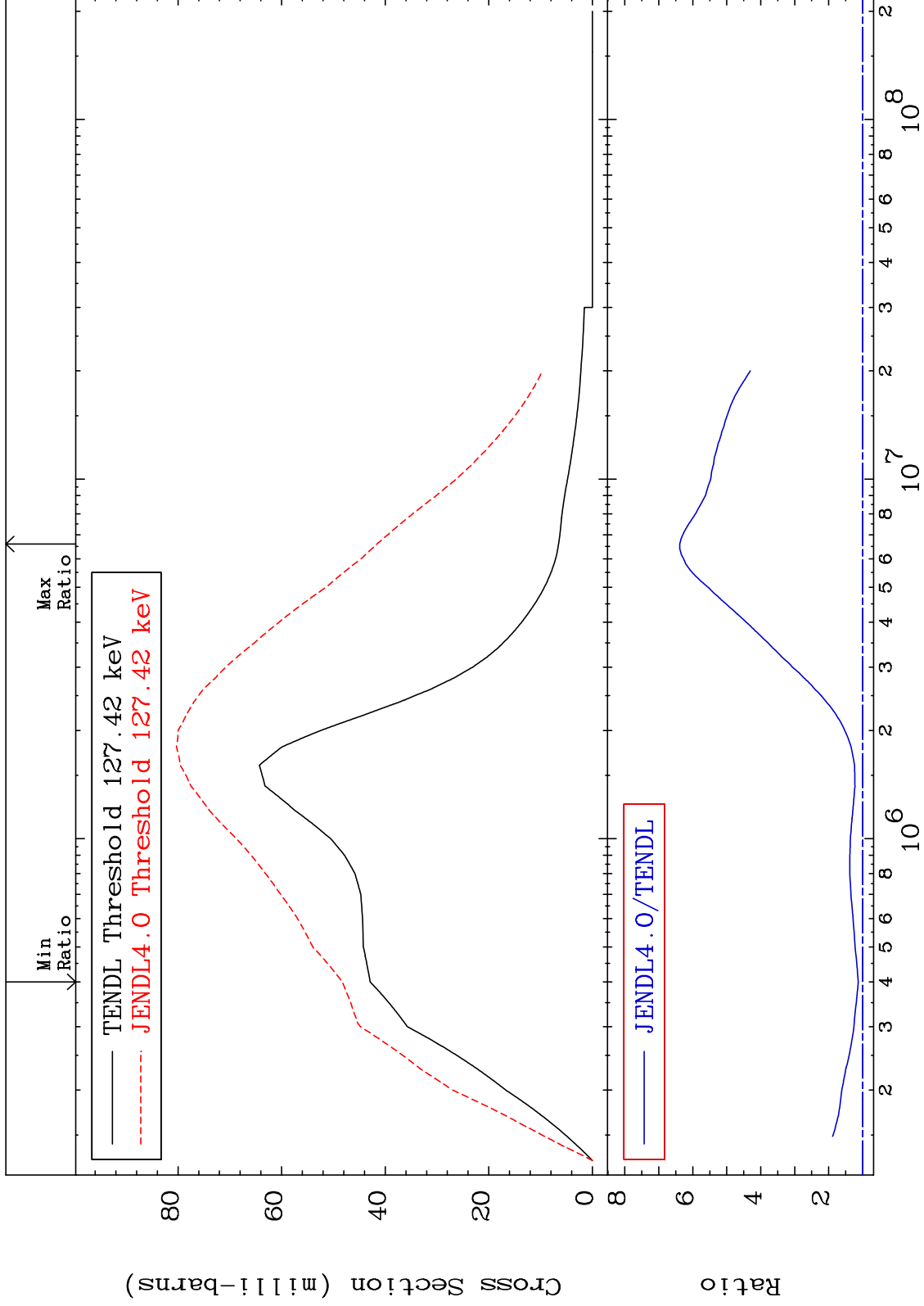
89-Ac-227
-98.25 To 198.5 %



MAT 8931

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

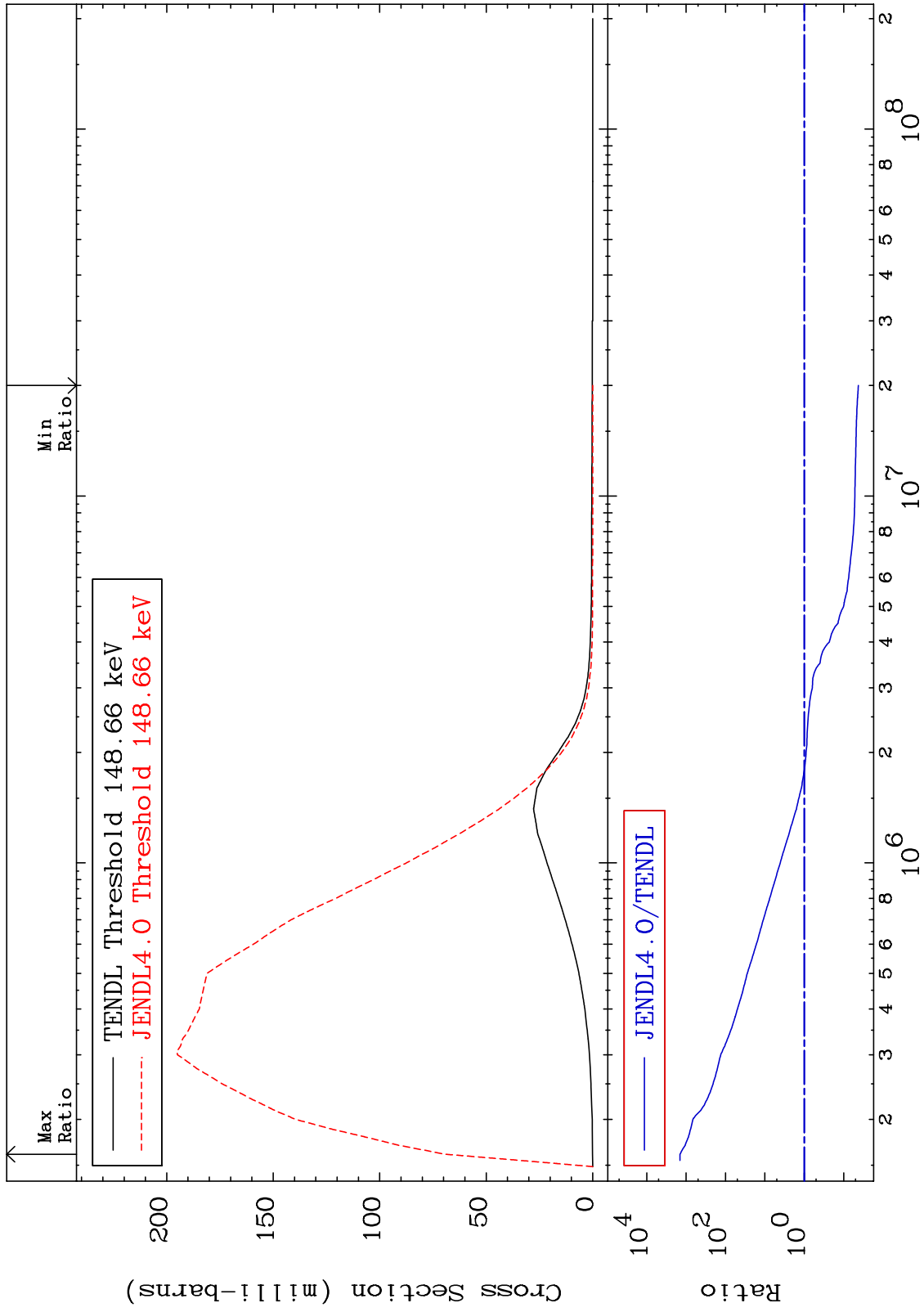
12.58 To 538.2 %
89-Ac-227



MAT 8931

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

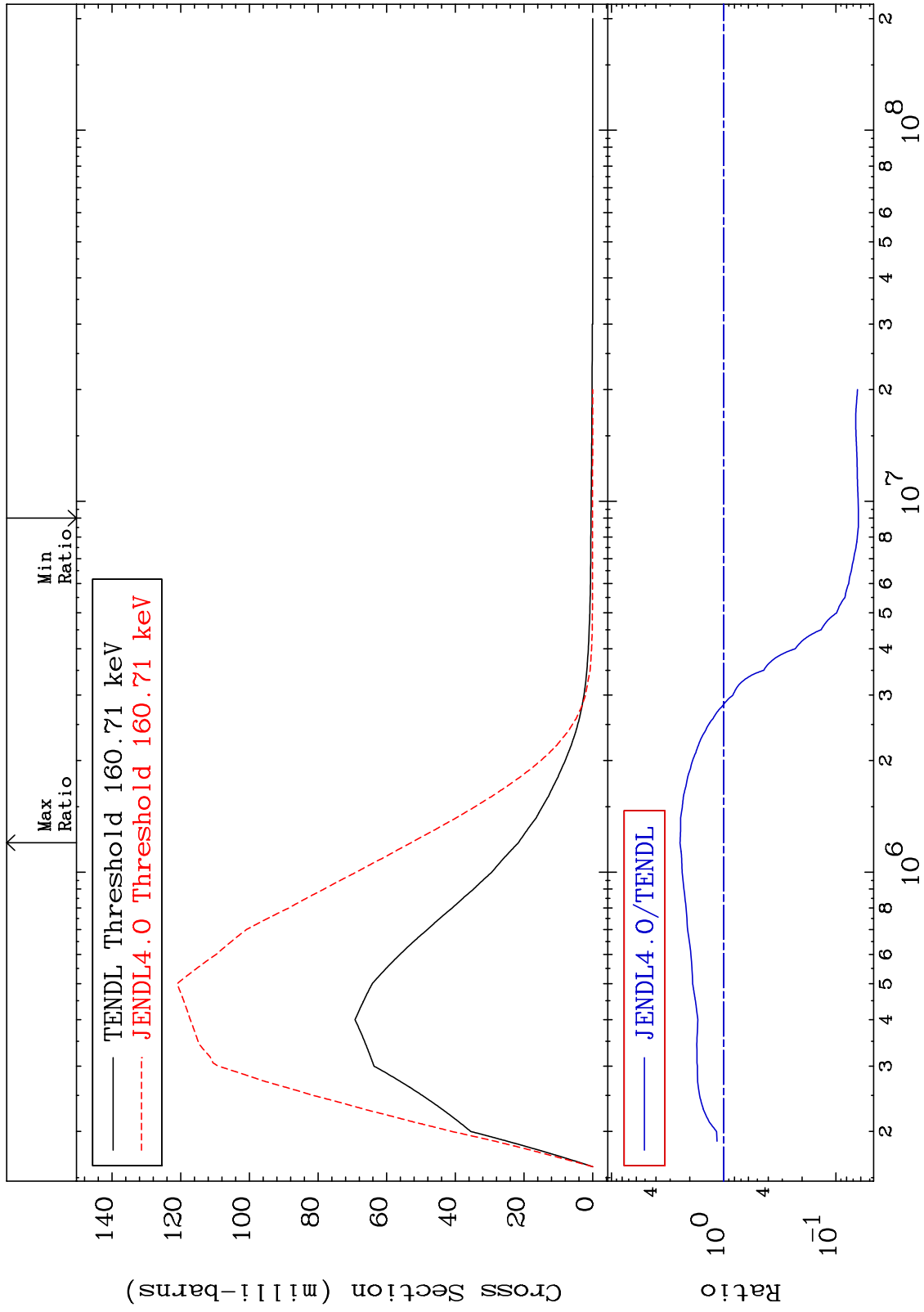
89-Ac-227
-95.78 To 9999. %



MAT 8931

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

89-Ac-227
-93.71 To 144.5 %

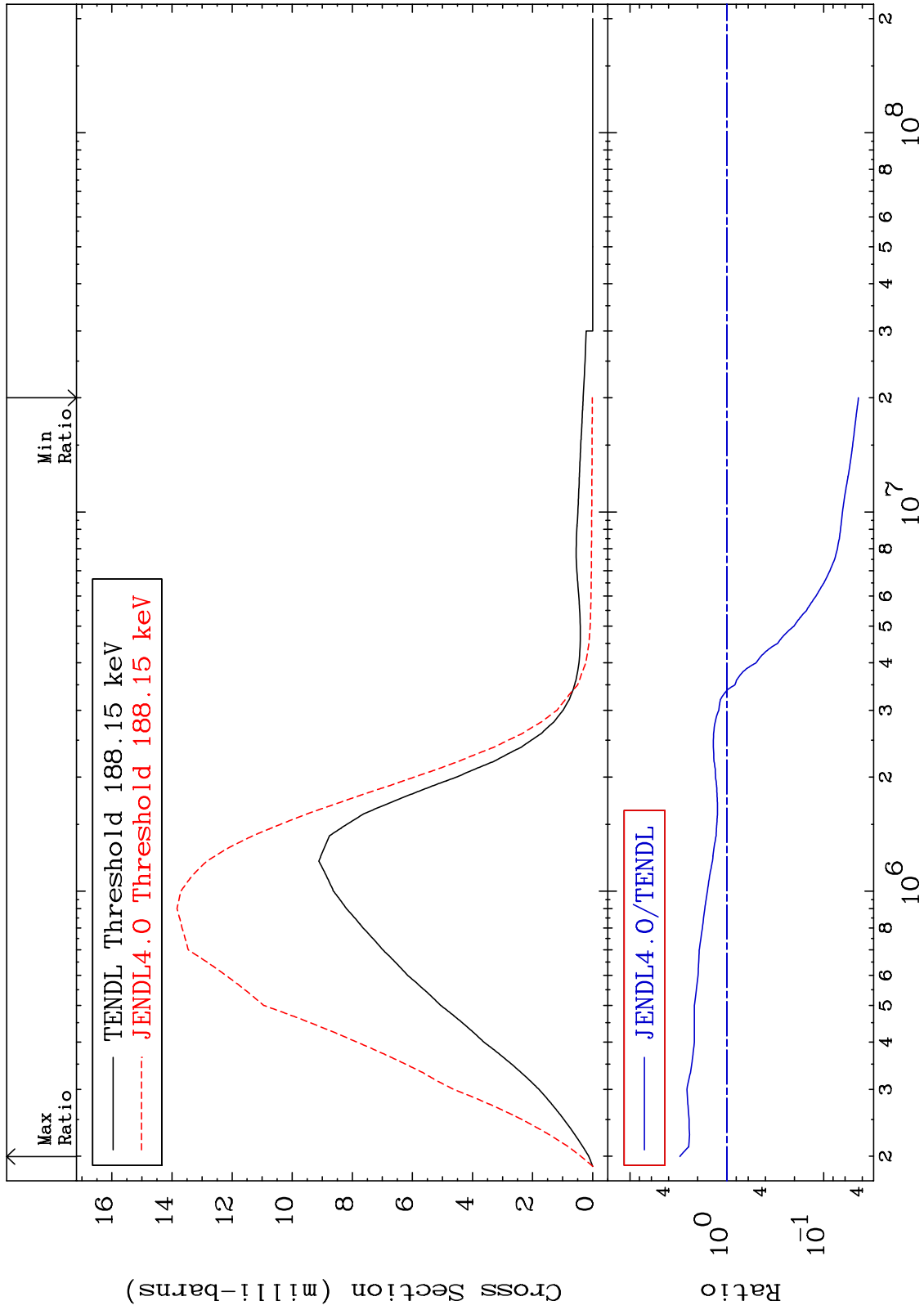


20

Incident Energy (eV)

89-Ac-227

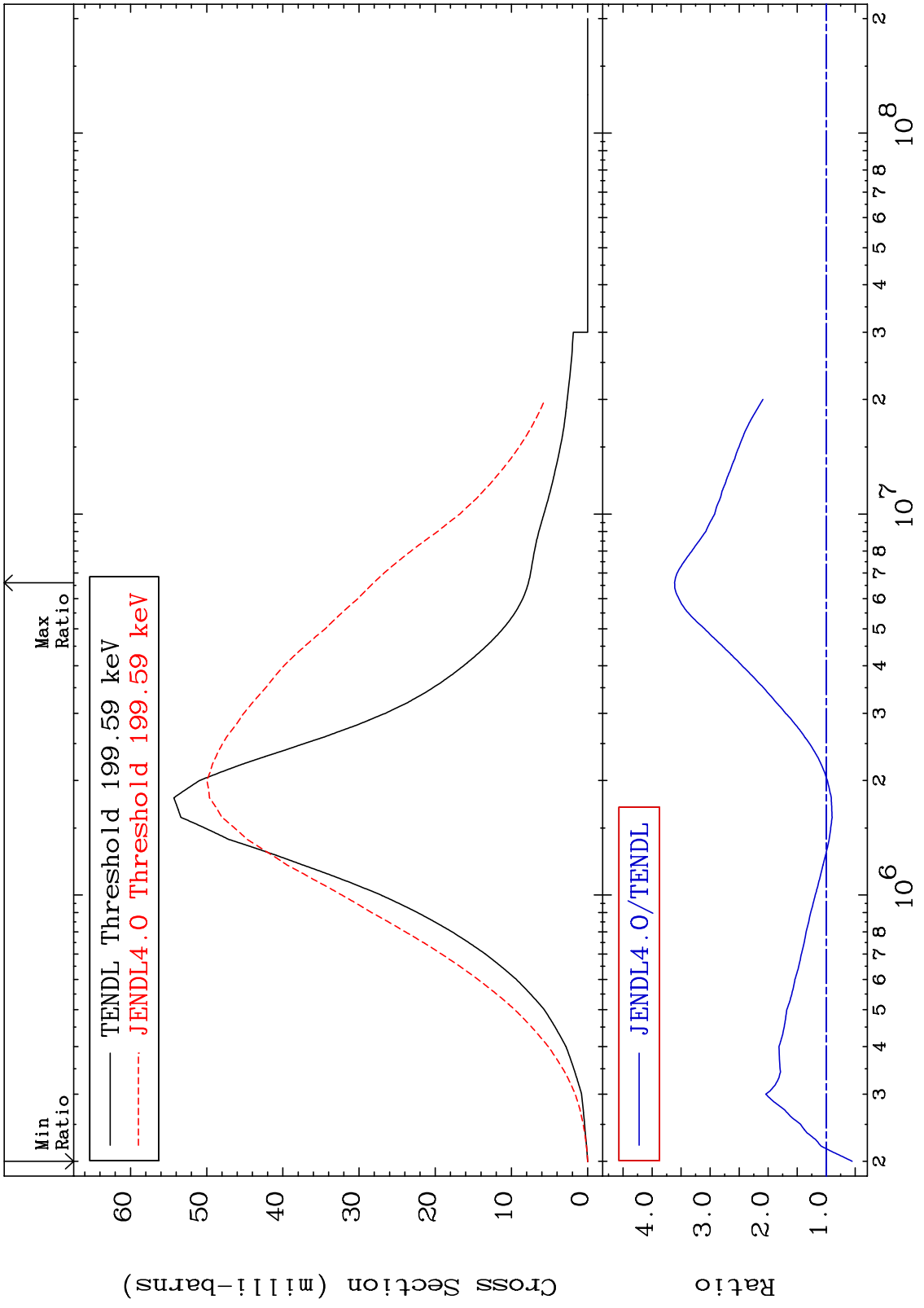
MAT 8931 MT= 60 (n,n') Level 89-Ac-227
 Cross Section -95.62 To 204.2 %



MAT 8931

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

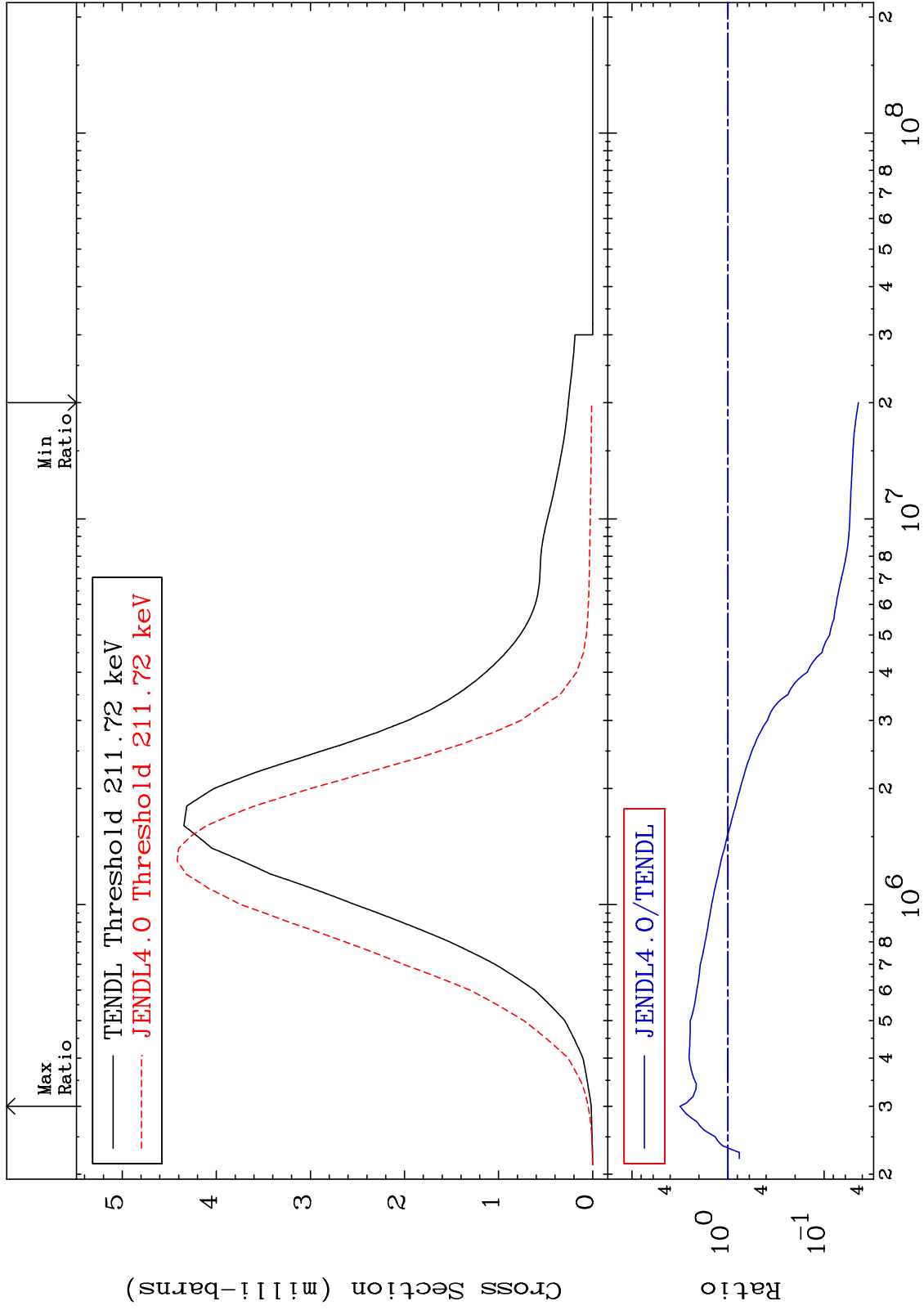
89-Ac-227
-44.74 To 261.2 %



MAT 8931

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

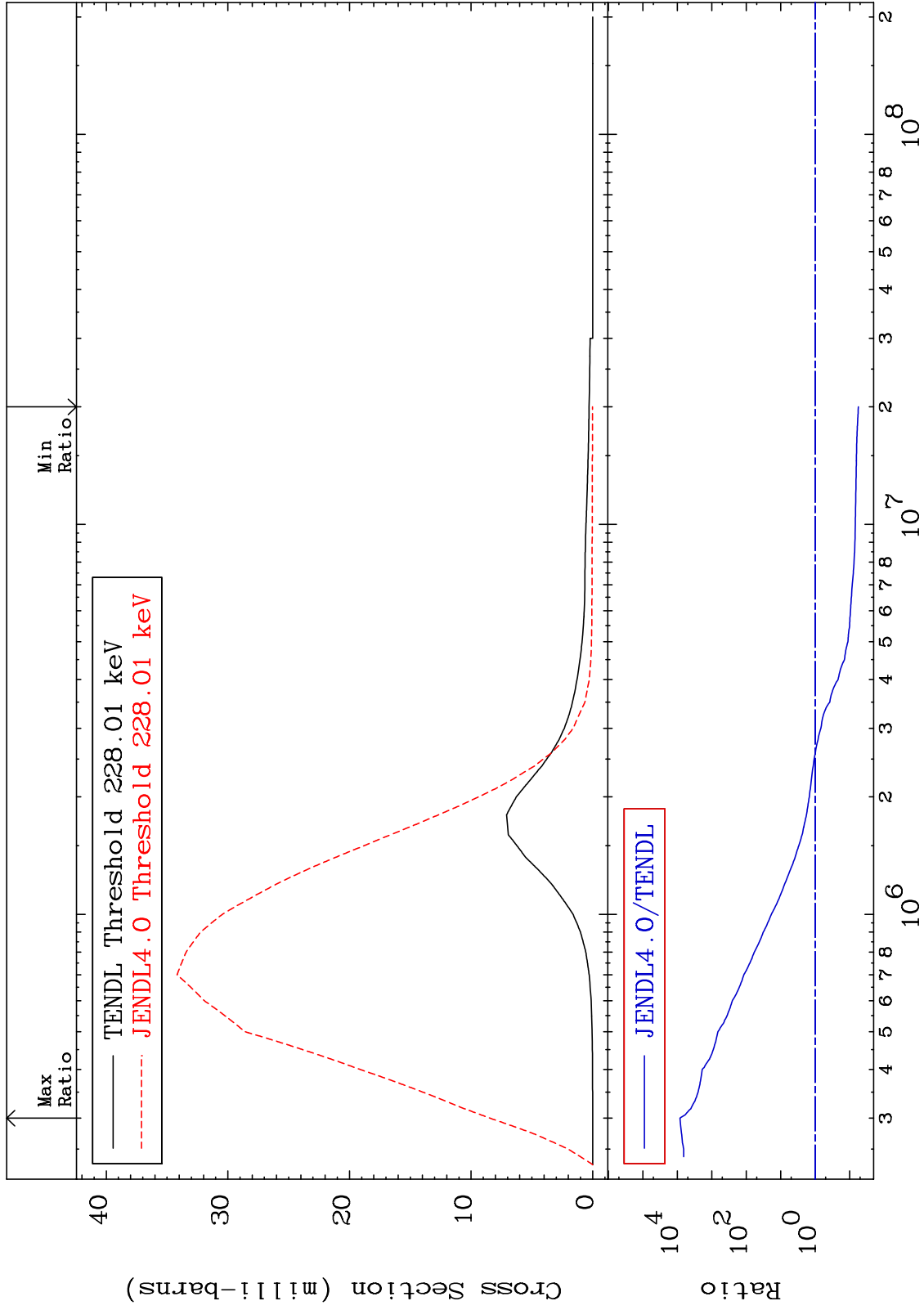
89-Ac-227
-95.61 To 215.4 %



MAT 8931

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

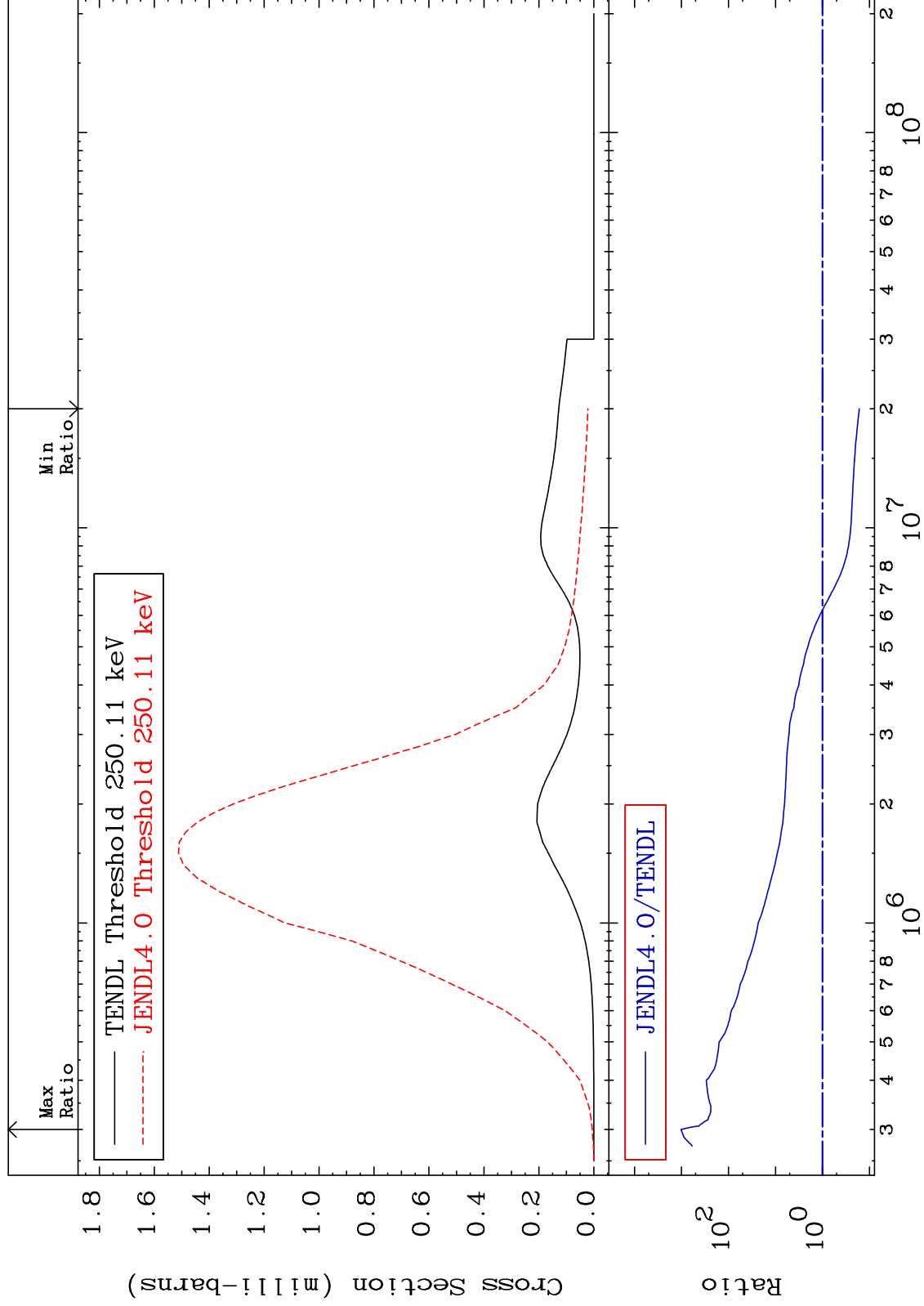
89-Ac-227
-94.41 To 9999. %



MAT 8931

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

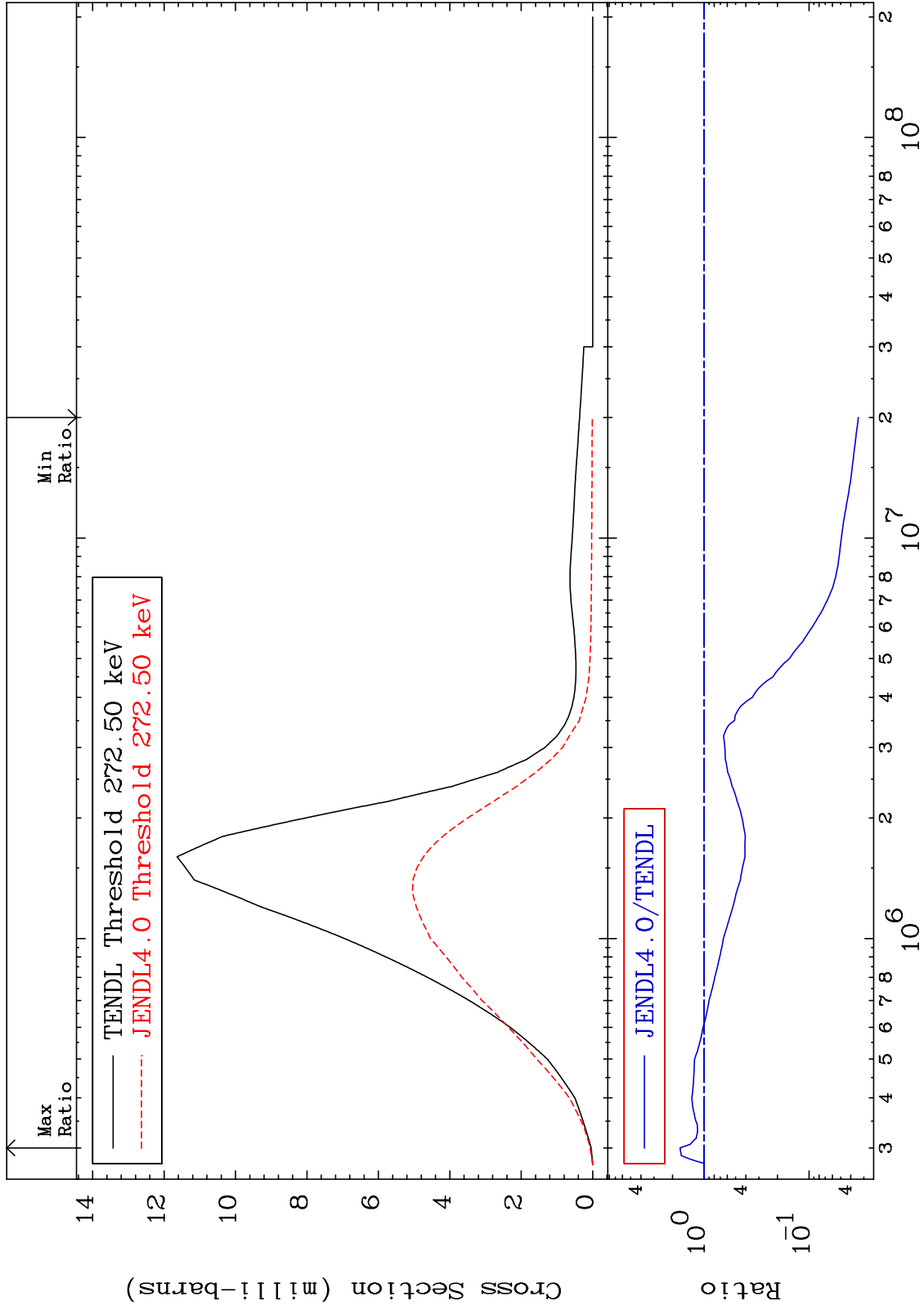
89-Ac-227
-83.55 To 9999. %



MAT 8931

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

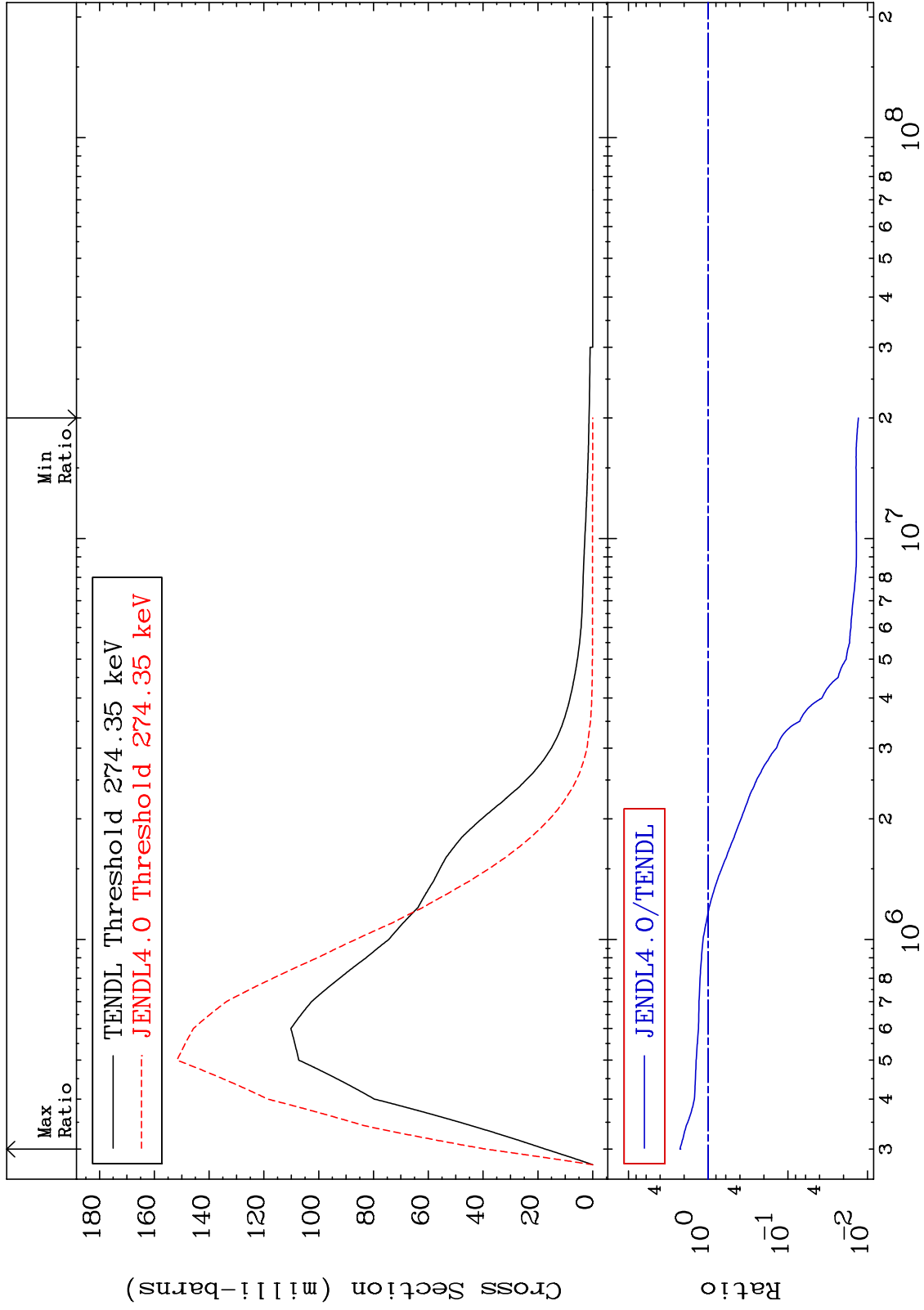
89-Ac-227
-96.61 To 69.46 %



MAT 8931

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

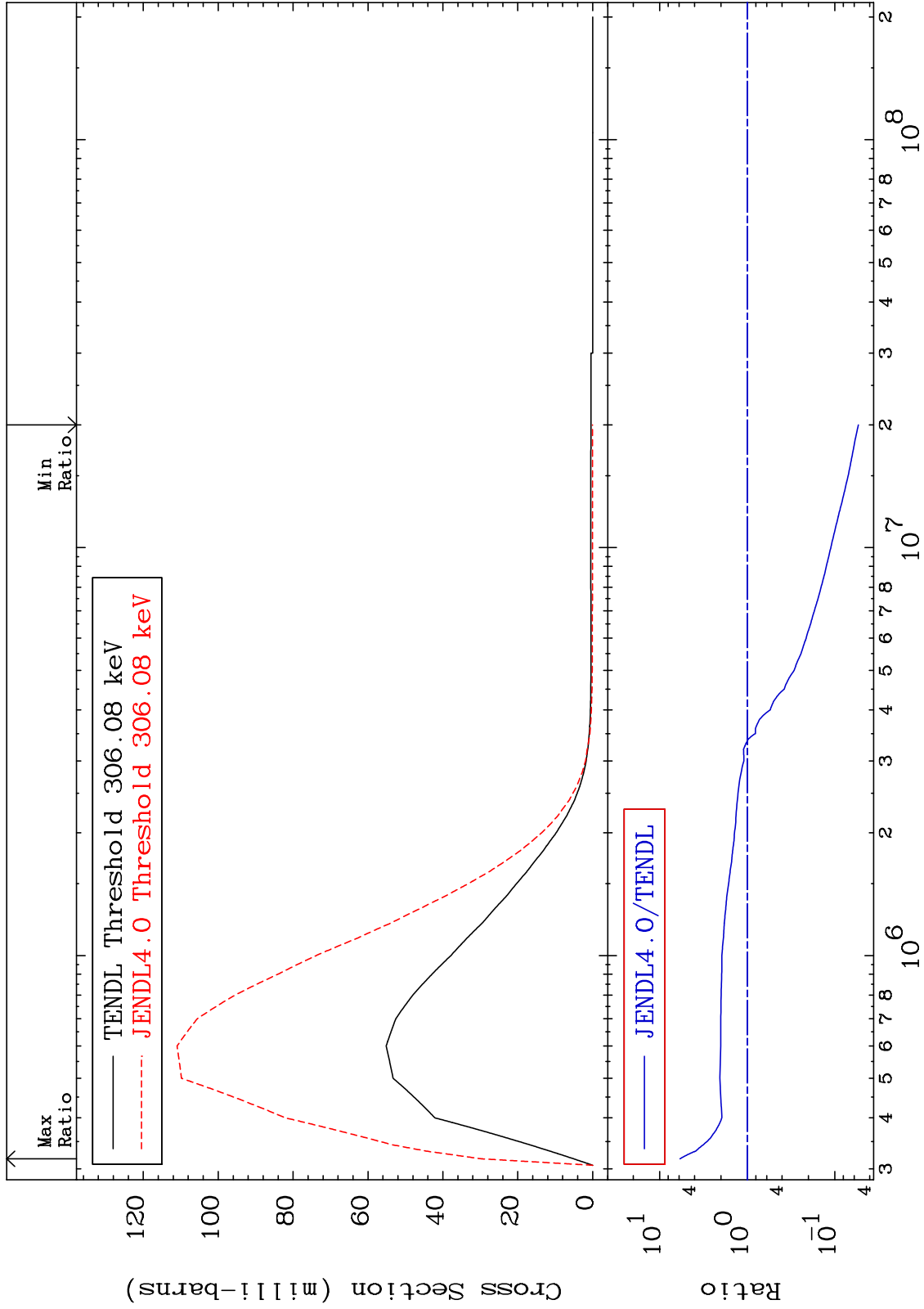
89-Ac-227
-98.70 To 125.5 %



MAT 8931

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

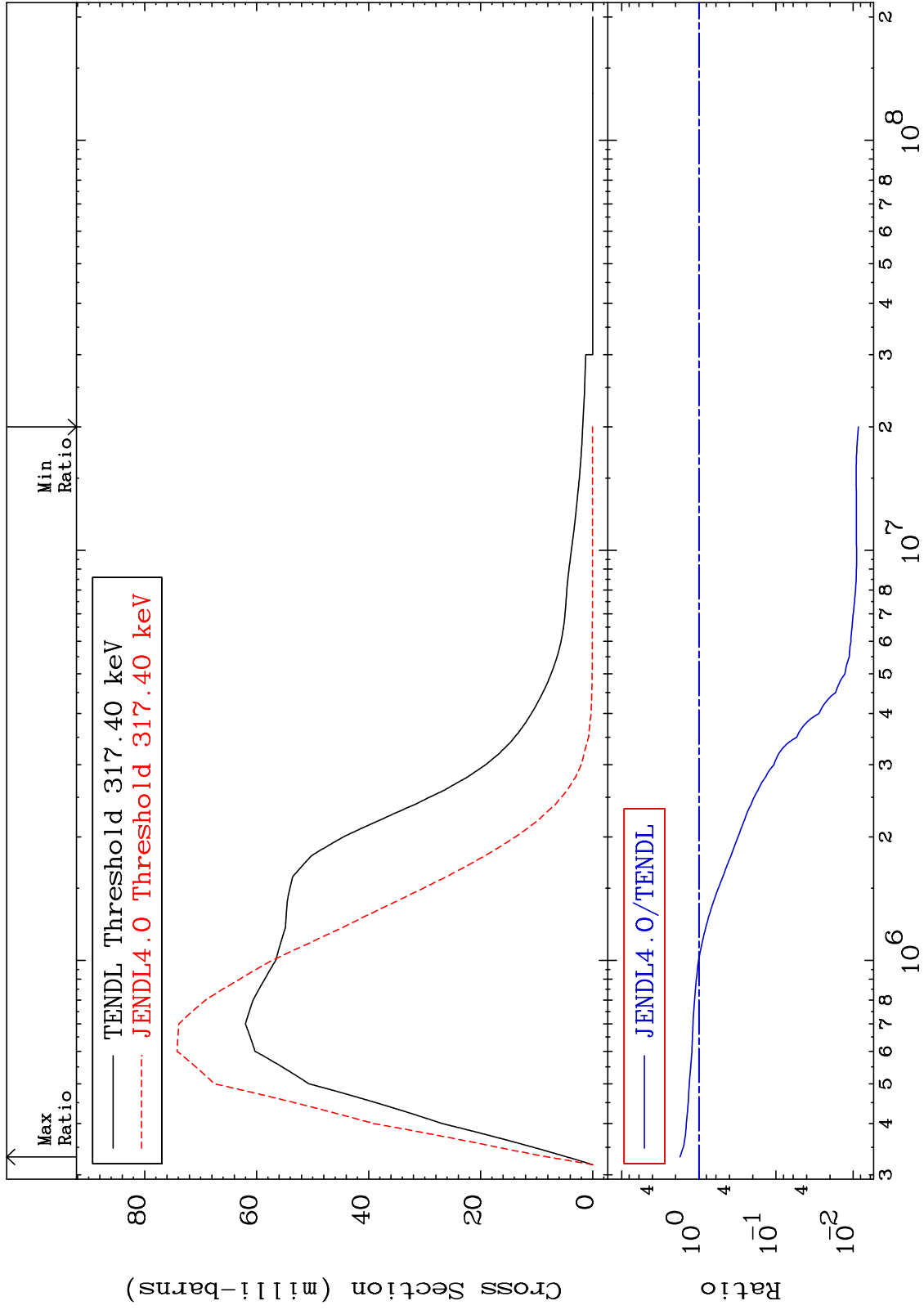
89-Ac-227
-94.62 To 486.3 %



MAT 8931

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

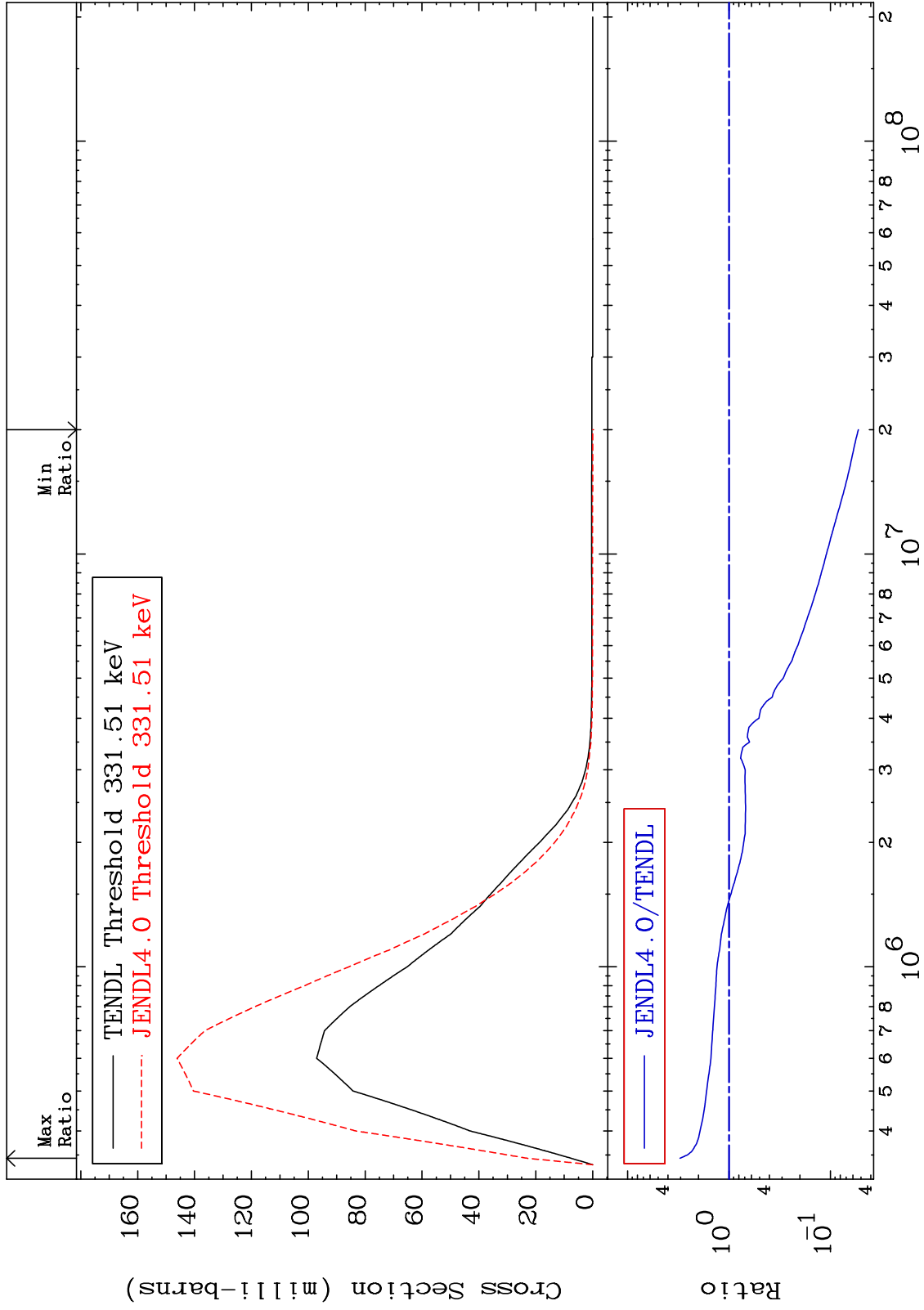
89-Ac-227
-99.15 To 75.54 %



MAT 8931

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

89-Ac-227
-94.71 To 204.2 %



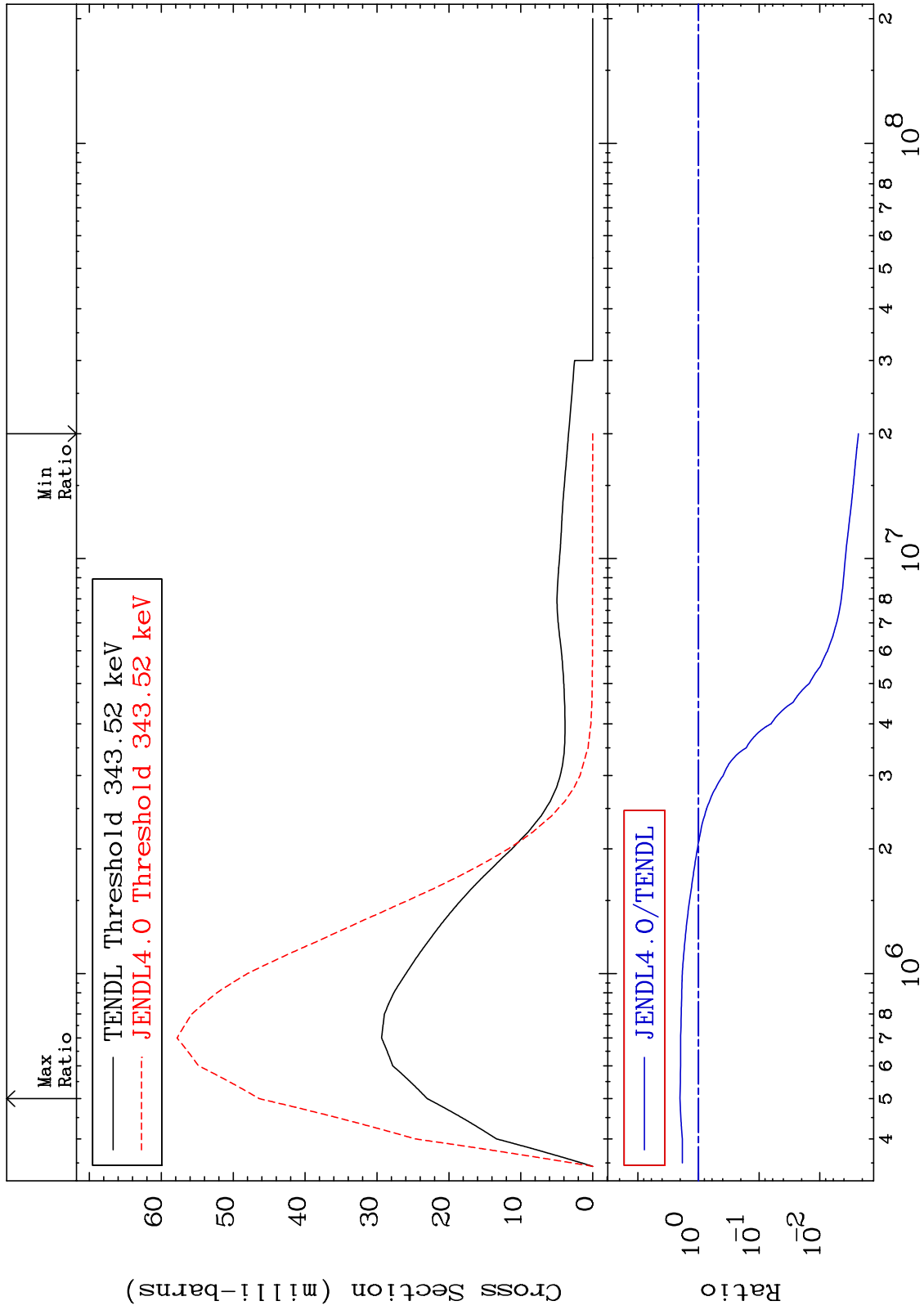
30

89-Ac-227

MAT 8931

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

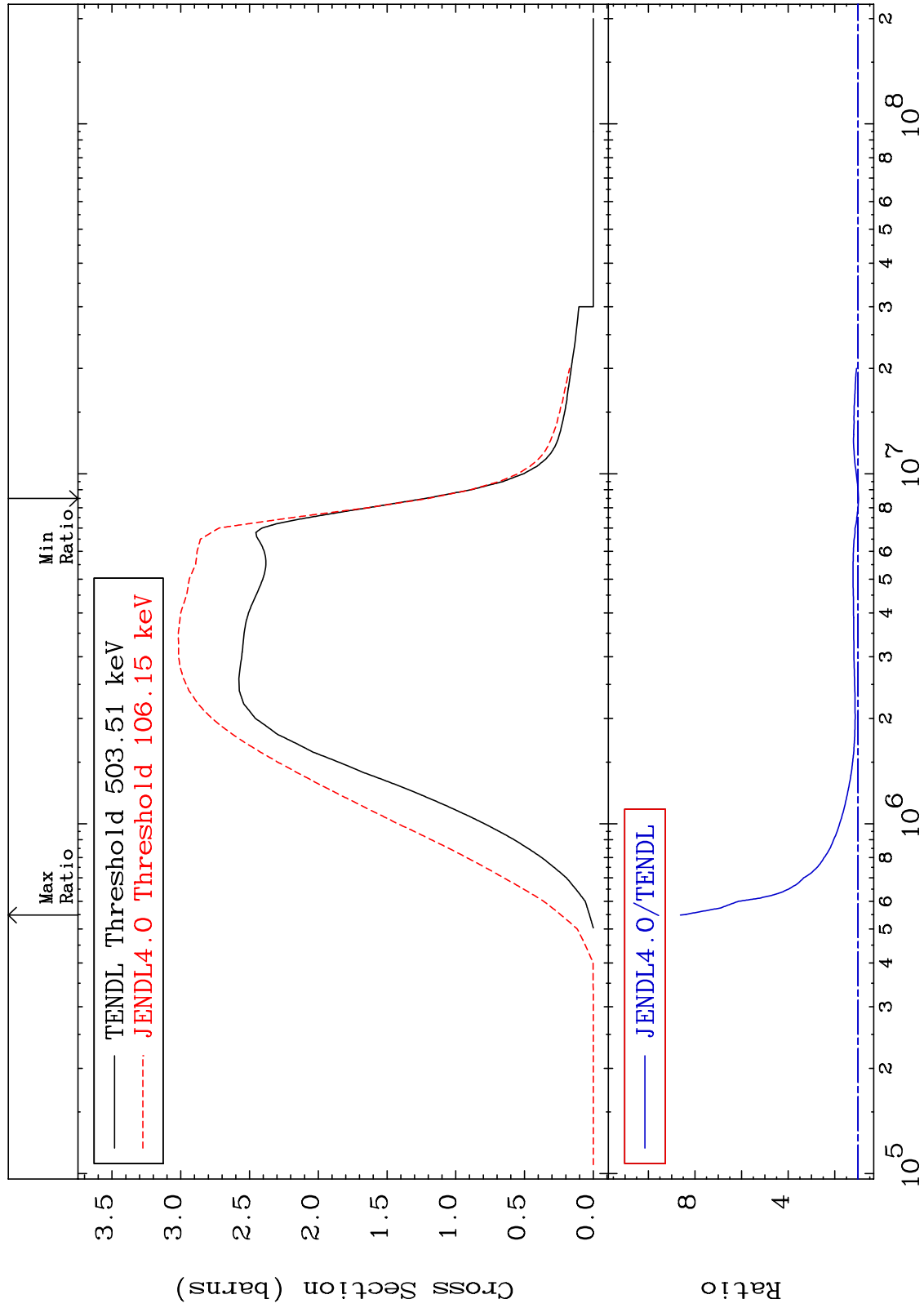
89-Ac-227
-99.77 To 101.6 %



MAT 8931

(n, n') Continuum
Cross Section

89-Ac-227
-1.684 To 762.2 %



32

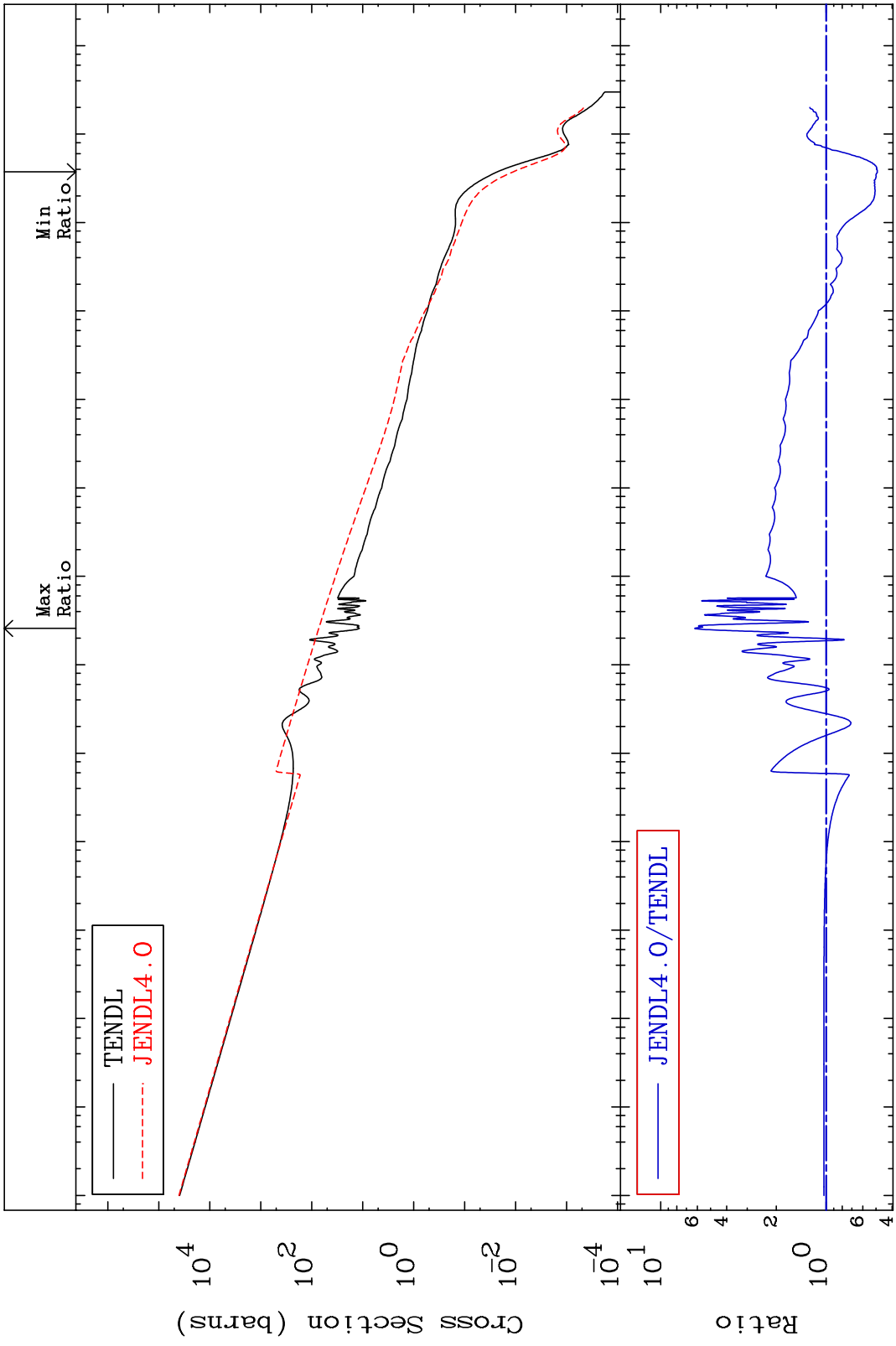
Incident Energy (eV)

89-Ac-227

MAT 8931

89-Ac-227

(n, γ)
Cross Section
-50.96 To 524.9 %



Incident Energy (eV)

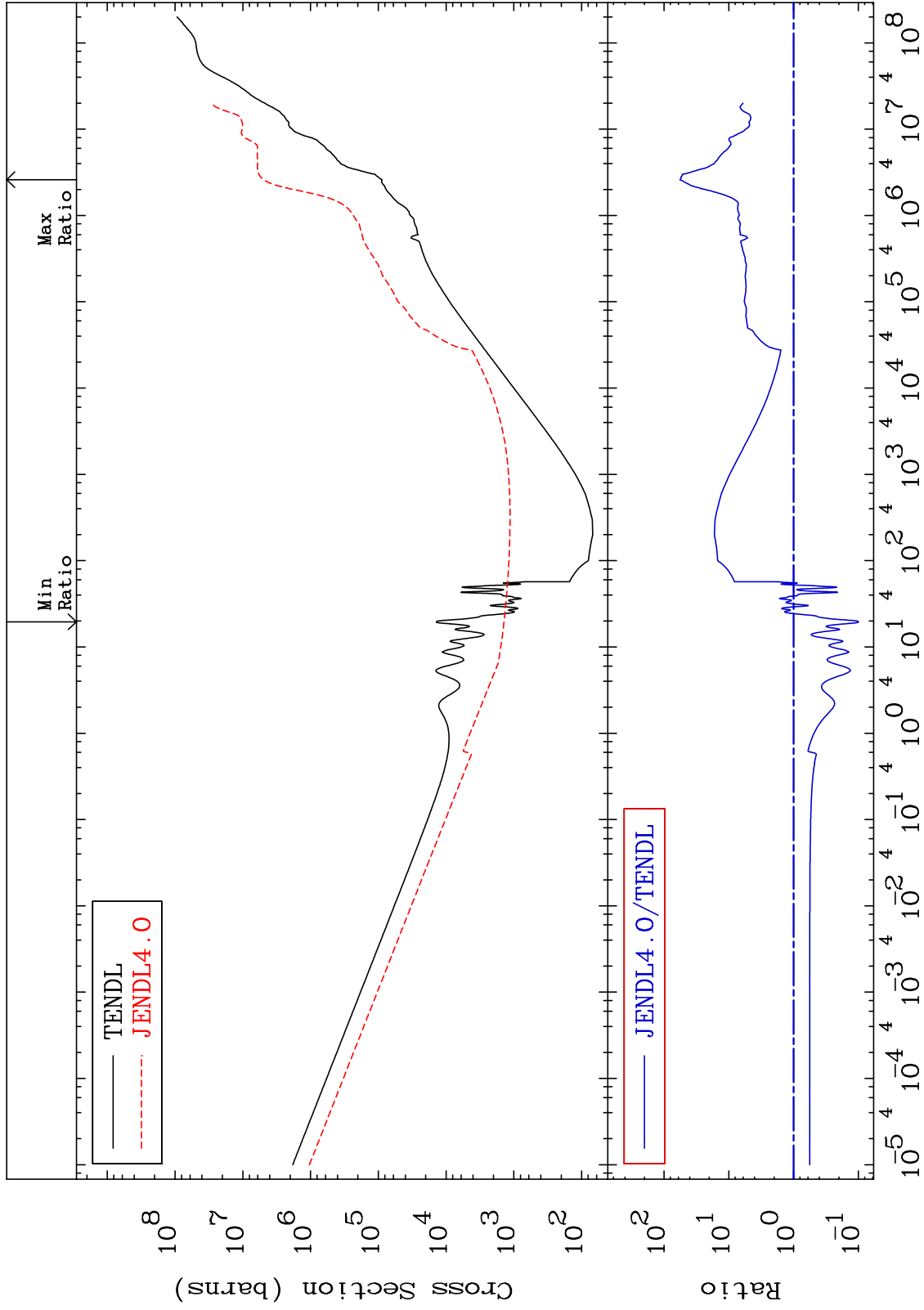
89-Ac-227

33

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Kerma total (eV-barns)
Cross Section

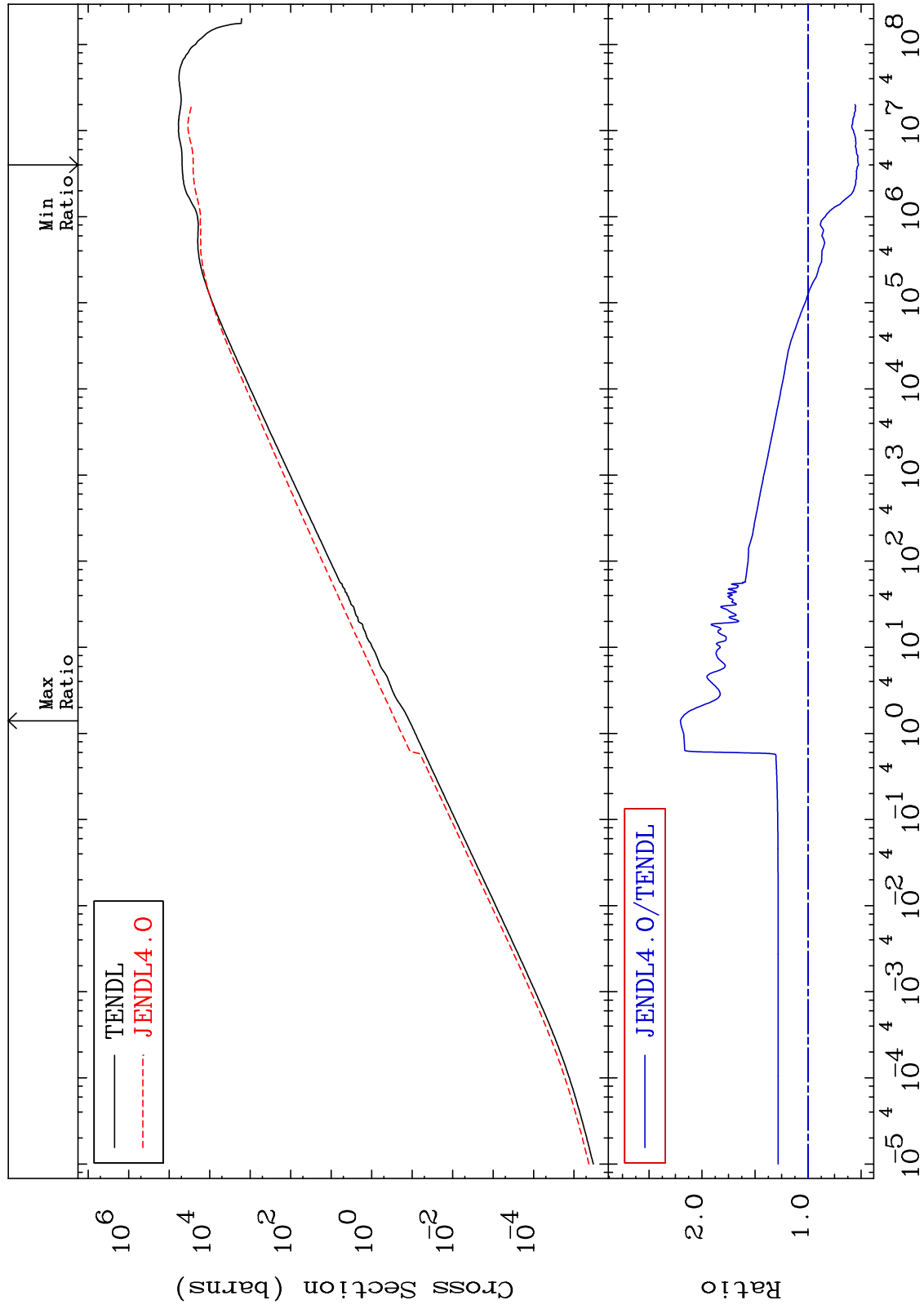
89-Ac-227
-89.98 To 5555. %



MAT 8931

Kerma elastic
Cross Section

89-Ac-227
-47.57 To 120.3 %



35

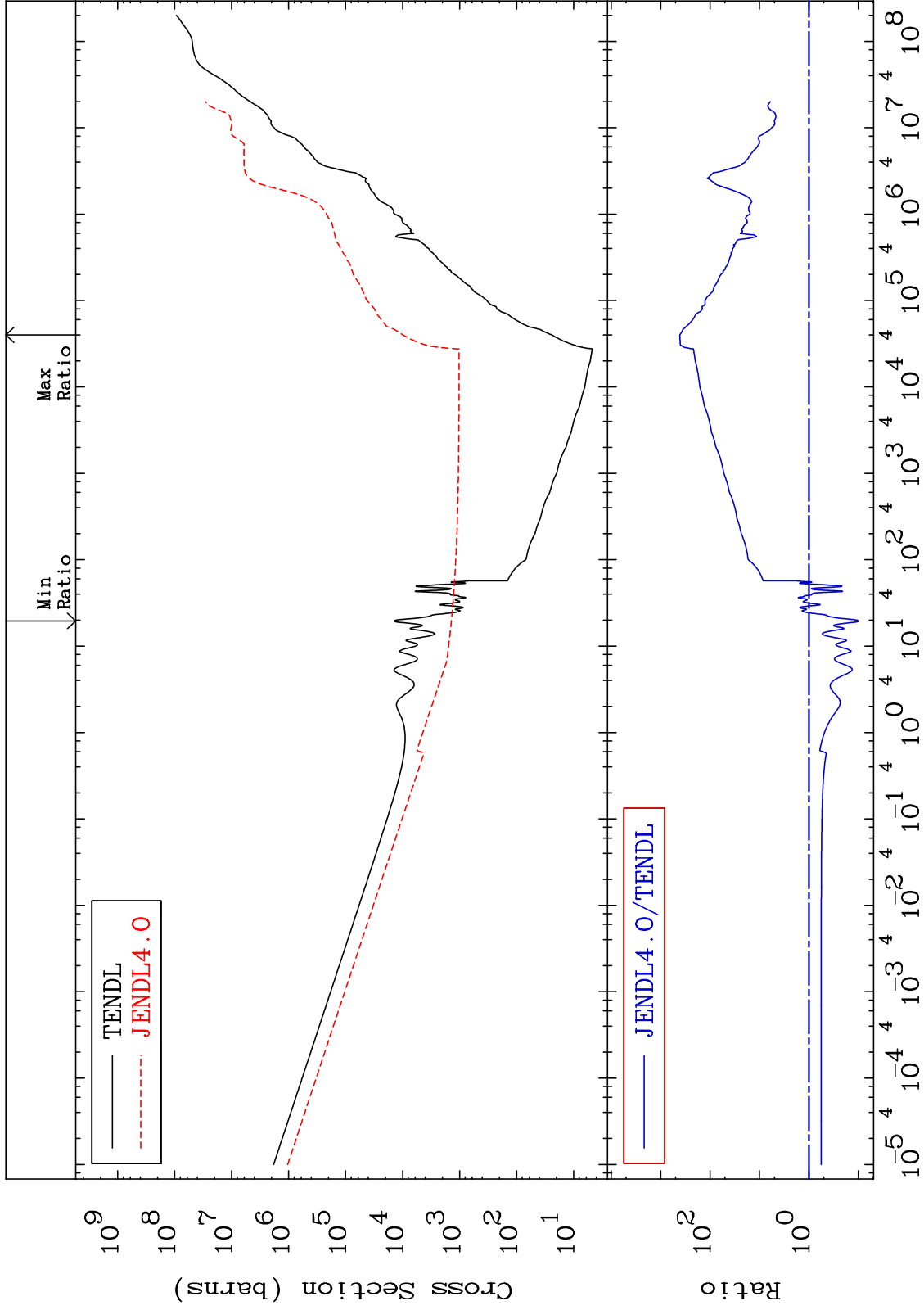
Incident Energy (eV)

89-Ac-227

MAT 8931

Kerma non-elastic (all but mt2)
Cross Section

89-Ac-227
-90.00 To 9999. %



36

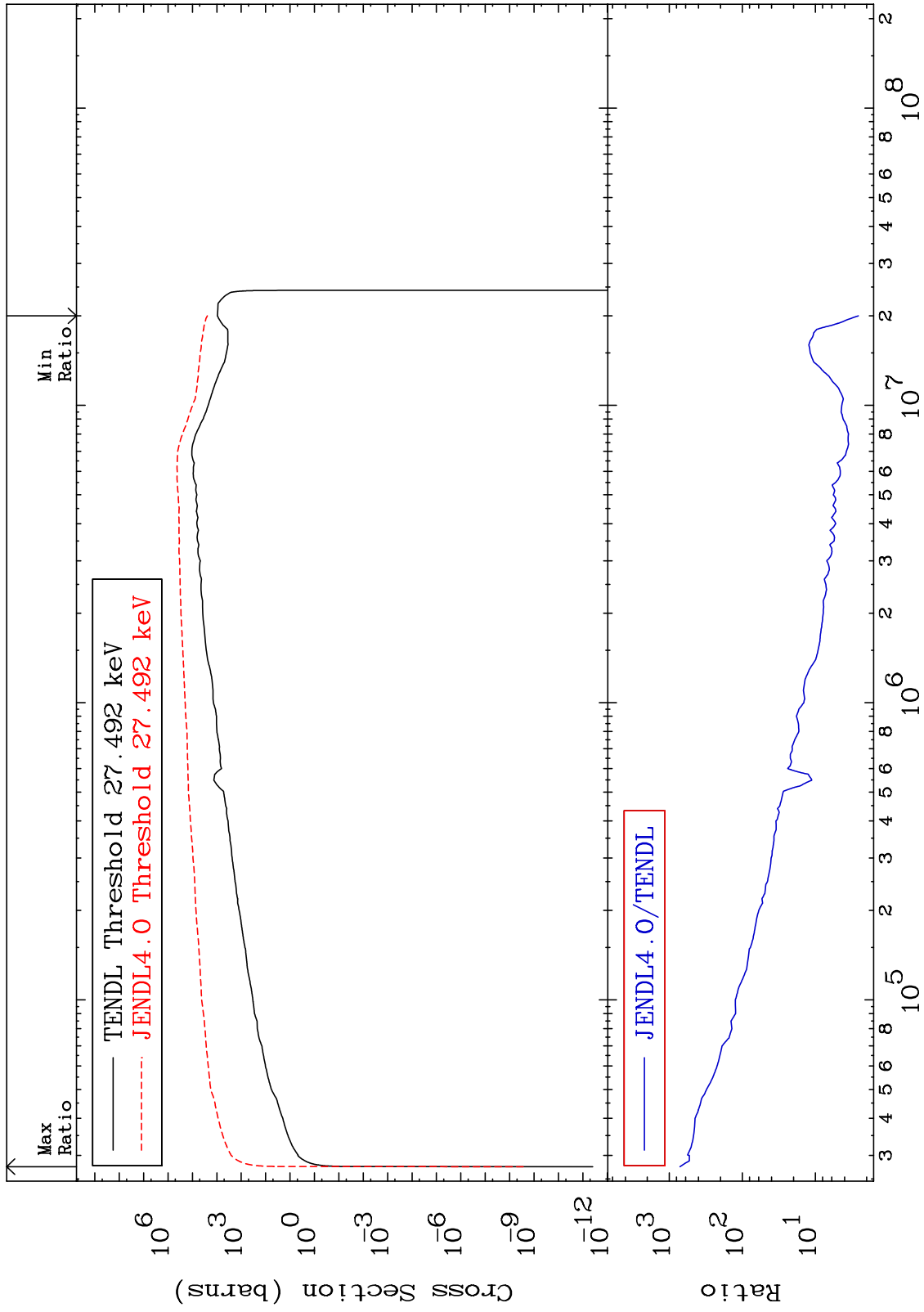
Incident Energy (eV)

89-Ac-227

MAT 8931

Kerma inelastic (mt51-91)
Cross Section

89-Ac-227
158.7 To 9999. %



37

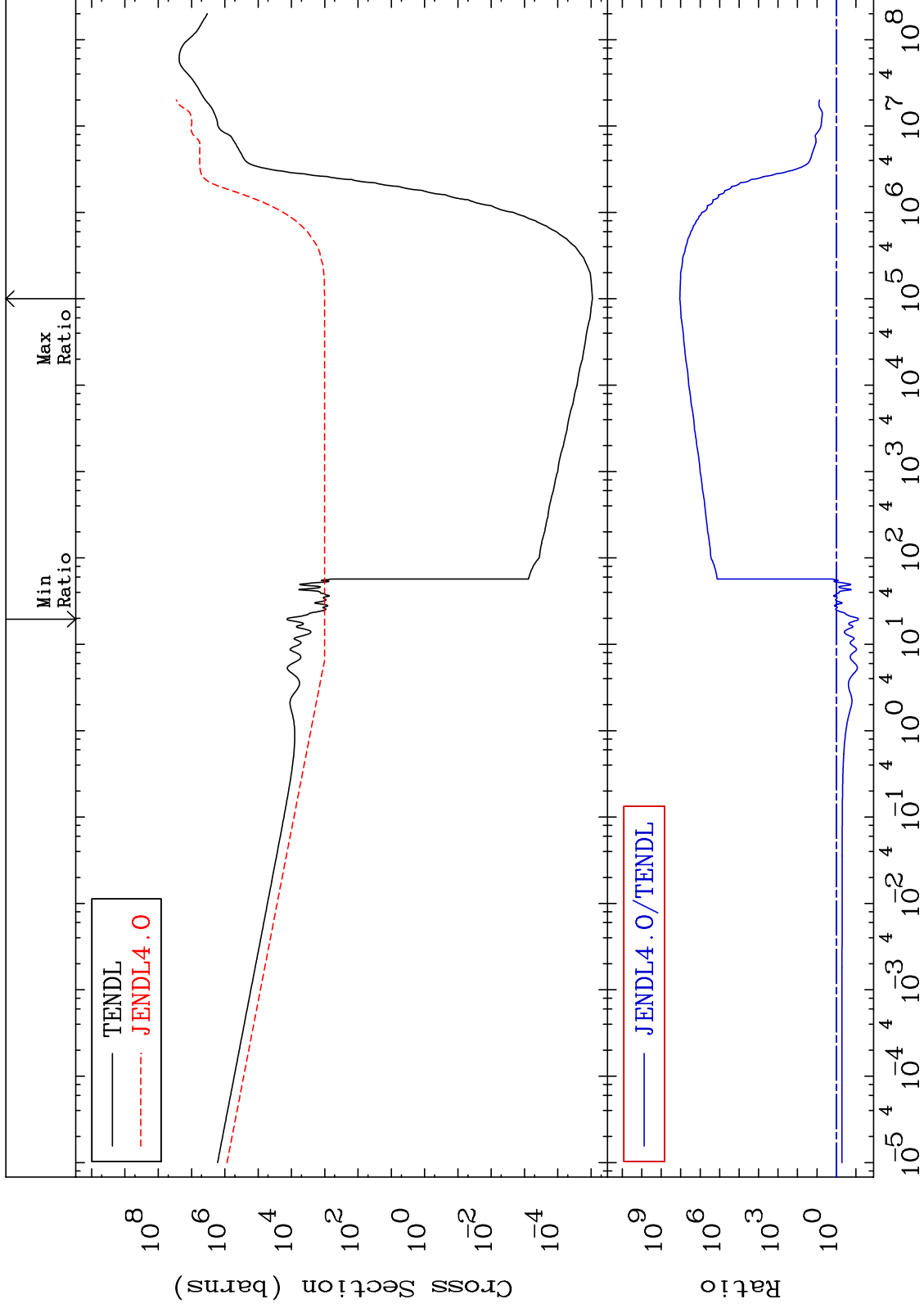
89-Ac-227

89-Ac-227

MAT 8931

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

89-Ac-227
-92.51 To 9999. %



38

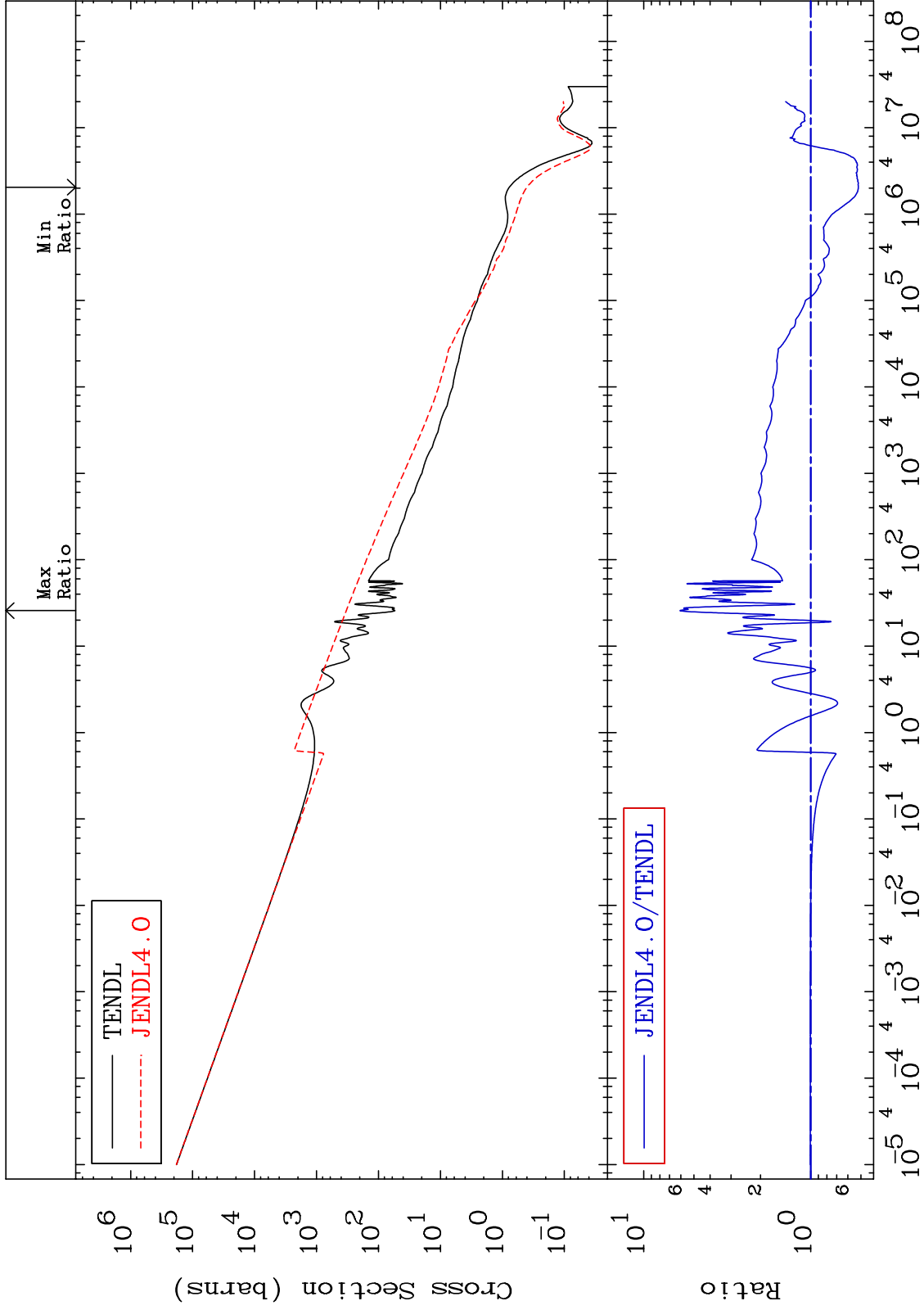
Incident Energy (eV)

89-Ac-227

MAT 8931

Kerma capture (mt102)
Cross Section

89-Ac-227
-48.13 To 507.9 %



39

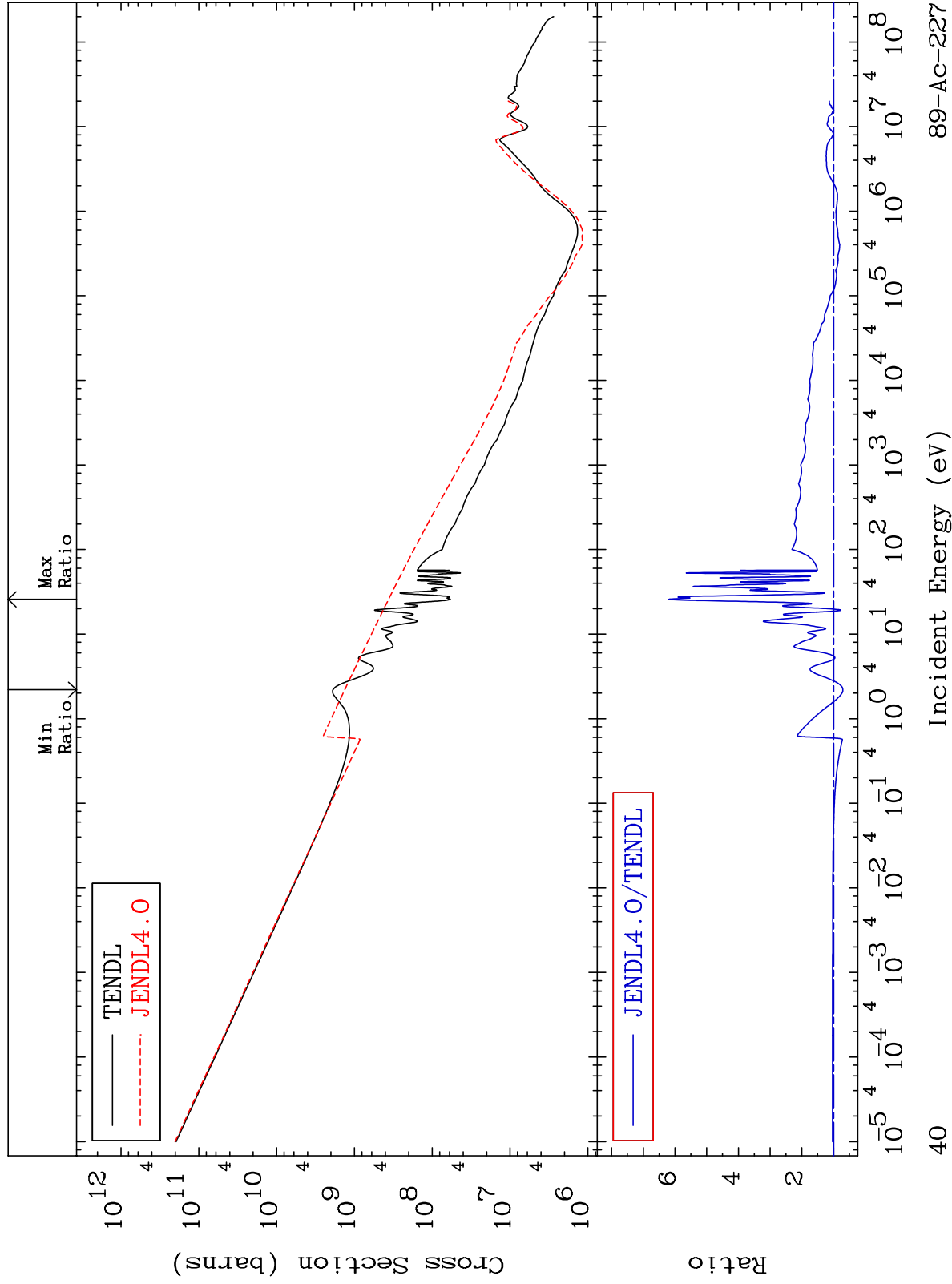
Incident Energy (eV)

89-Ac-227

MAT 8931

Total photon (eV-barns)
Cross Section

89-Ac-227
-29.41 To 521.9 %

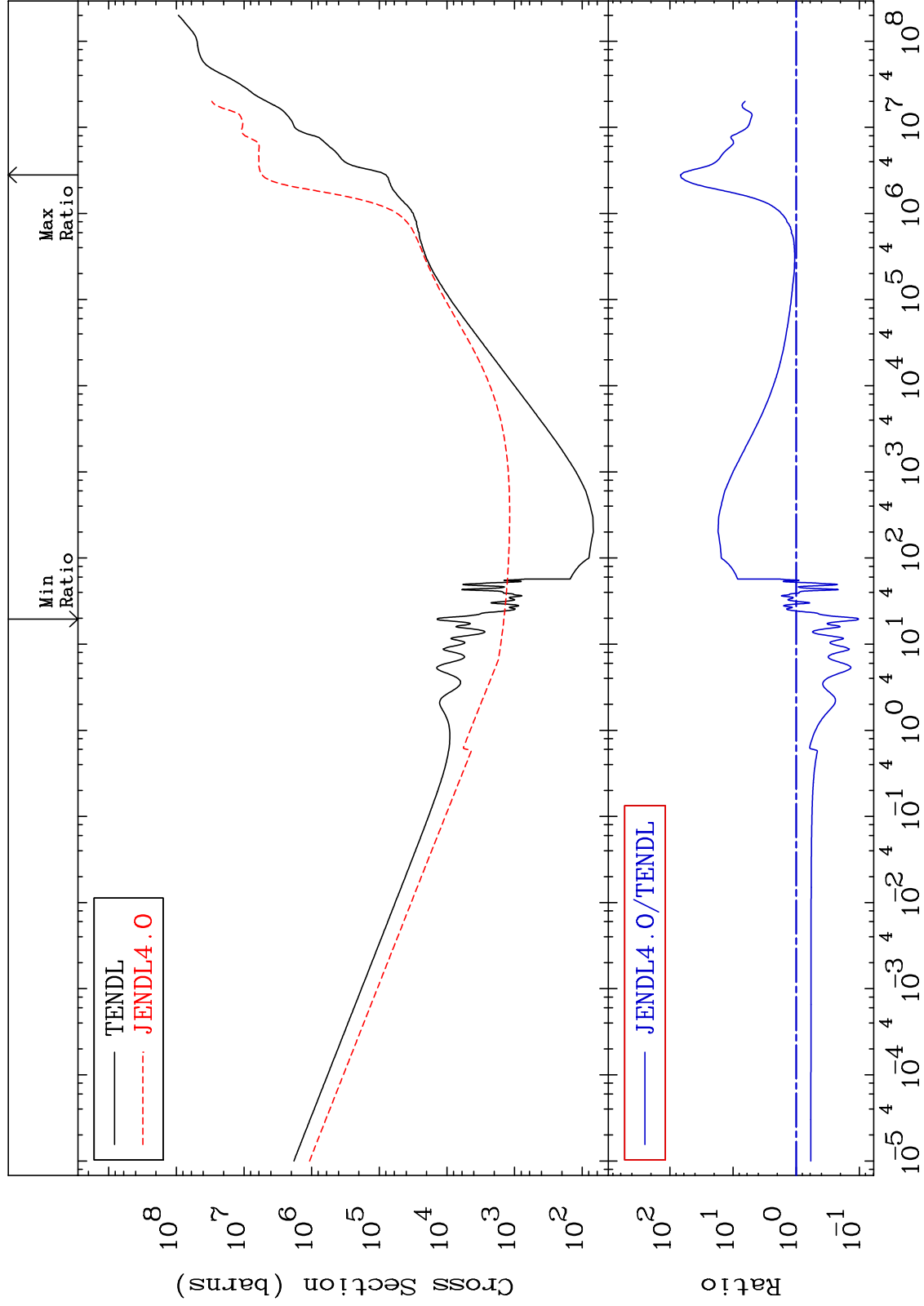


40

MAT 8931

Total kinematic kerma (high limit)
Cross Section

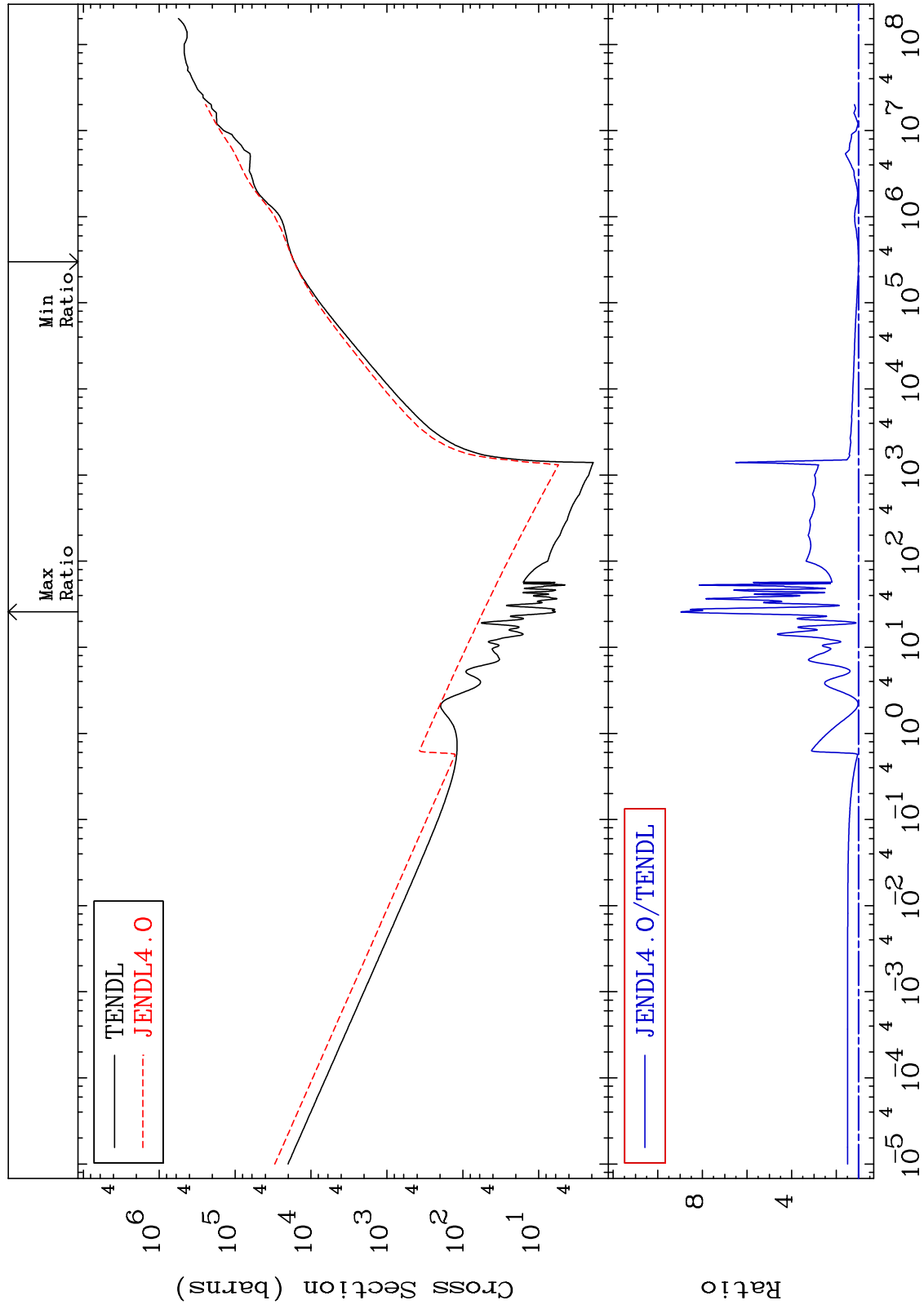
89-Ac-227
-89.68 To 6718. %



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Dpa total (eV-barns)
Cross Section

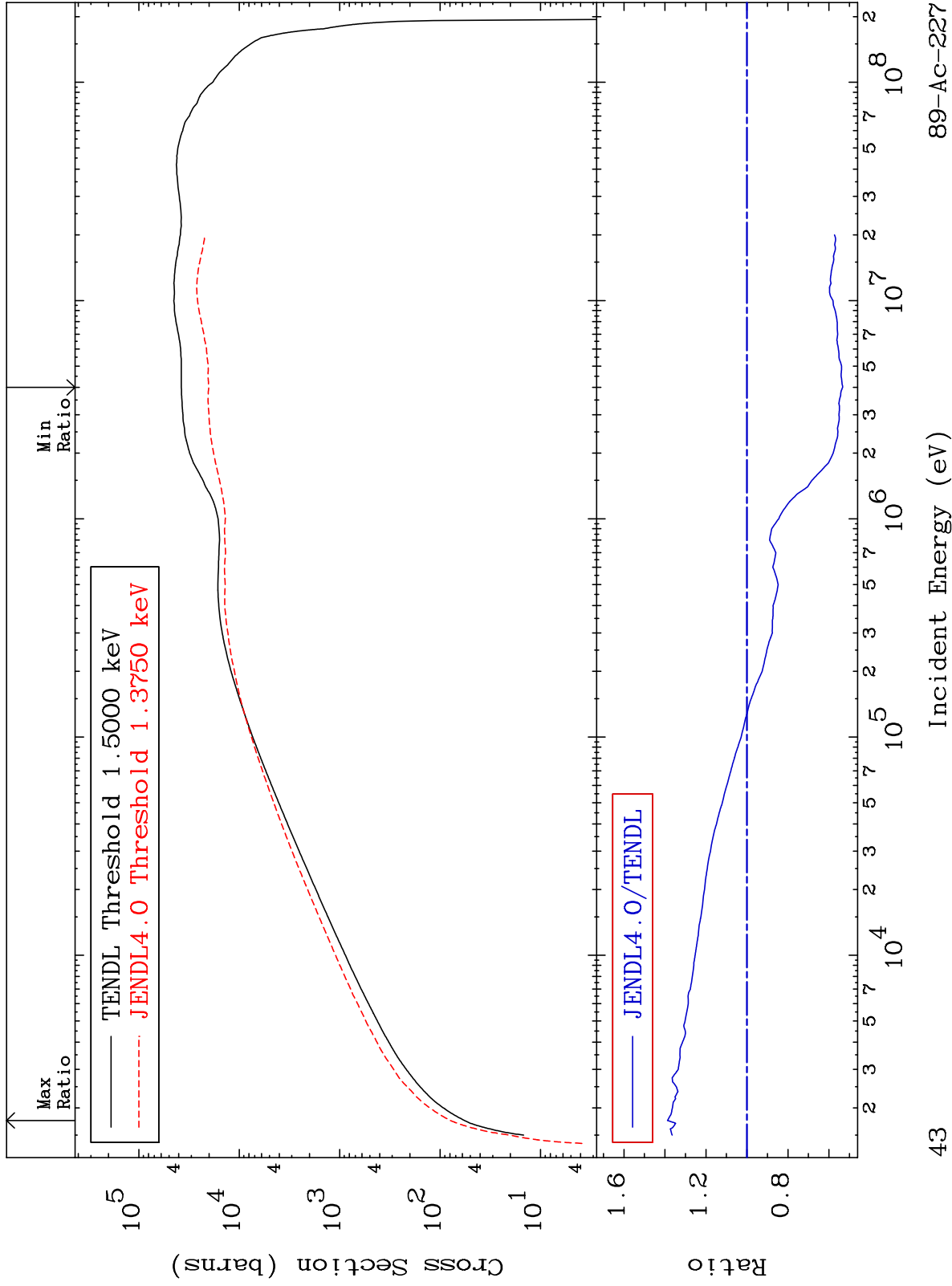
89-Ac-227
0.222 To 798.4 %



MAT 8931

Dpa elastic (mt2)
Cross Section

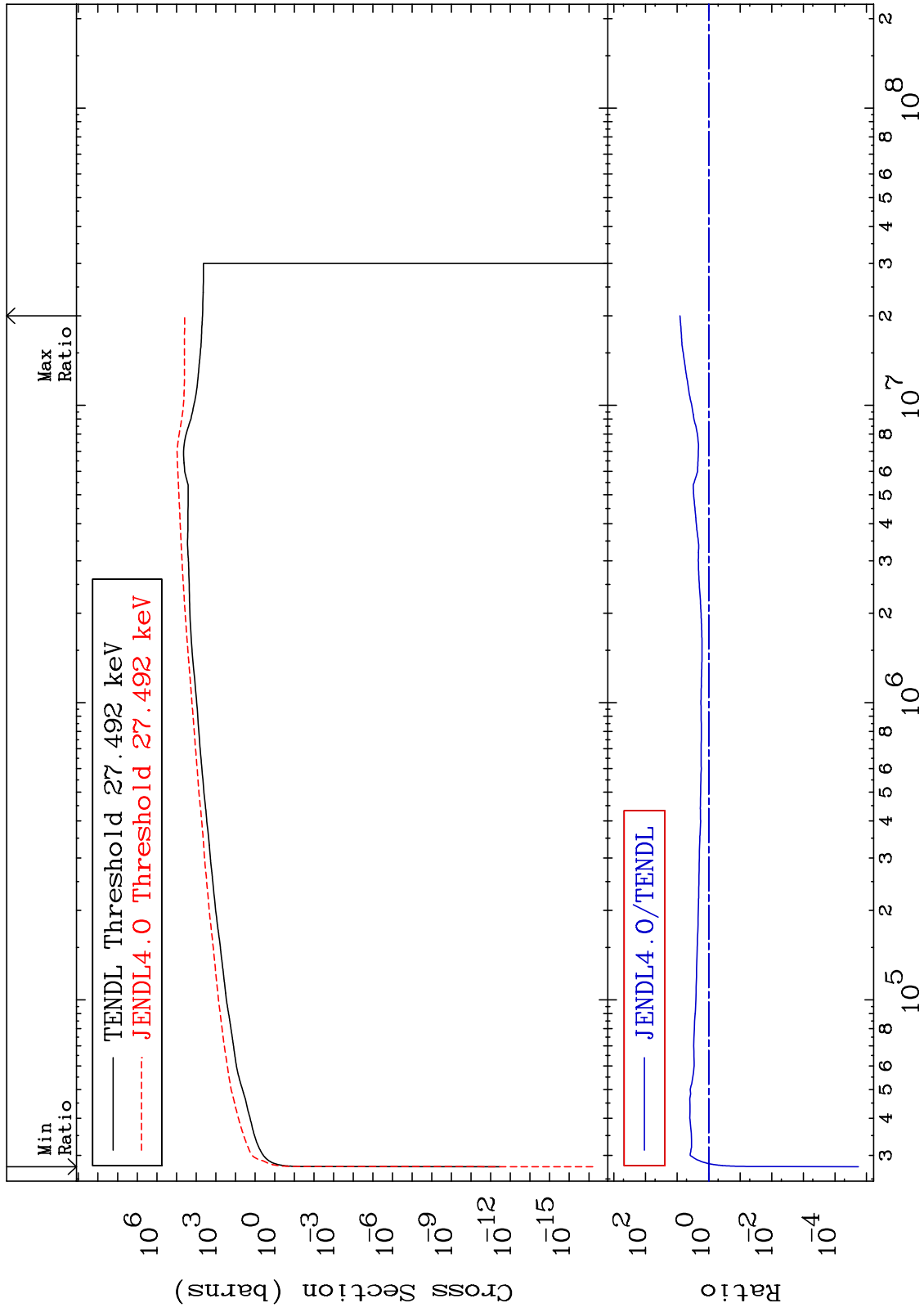
89-Ac-227
-46.71 To 38.73 %



MAT 8931

Dpa inelastic (mt51-91)
Cross Section

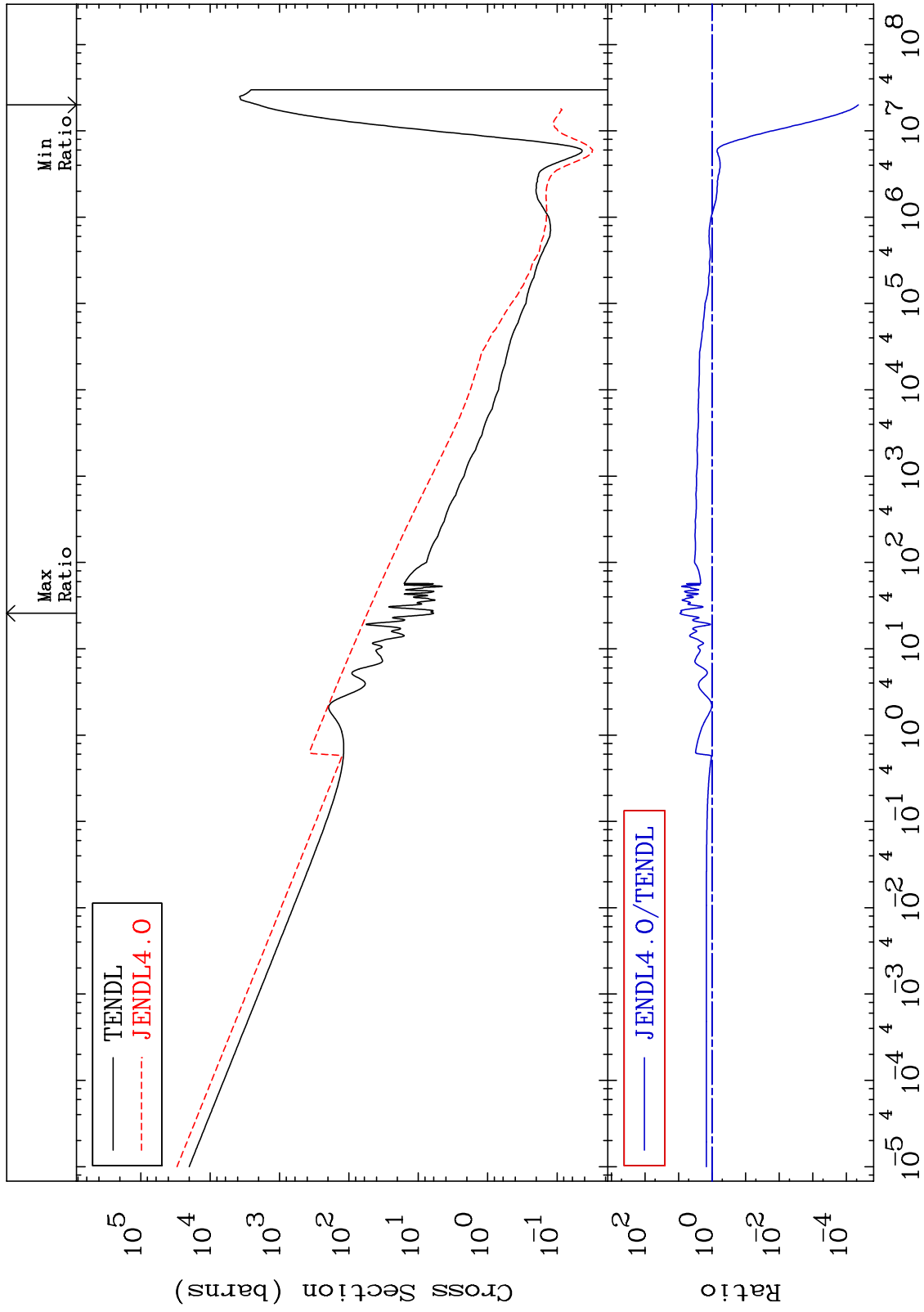
89-Ac-227
-100.0 To 708.0 %



MAT 8931

Dpa disappearance (mt102 -120)
Cross Section

89-Ac-227
-100.0 To 803.6 %



45

Incident Energy (eV)

89-Ac-227