

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

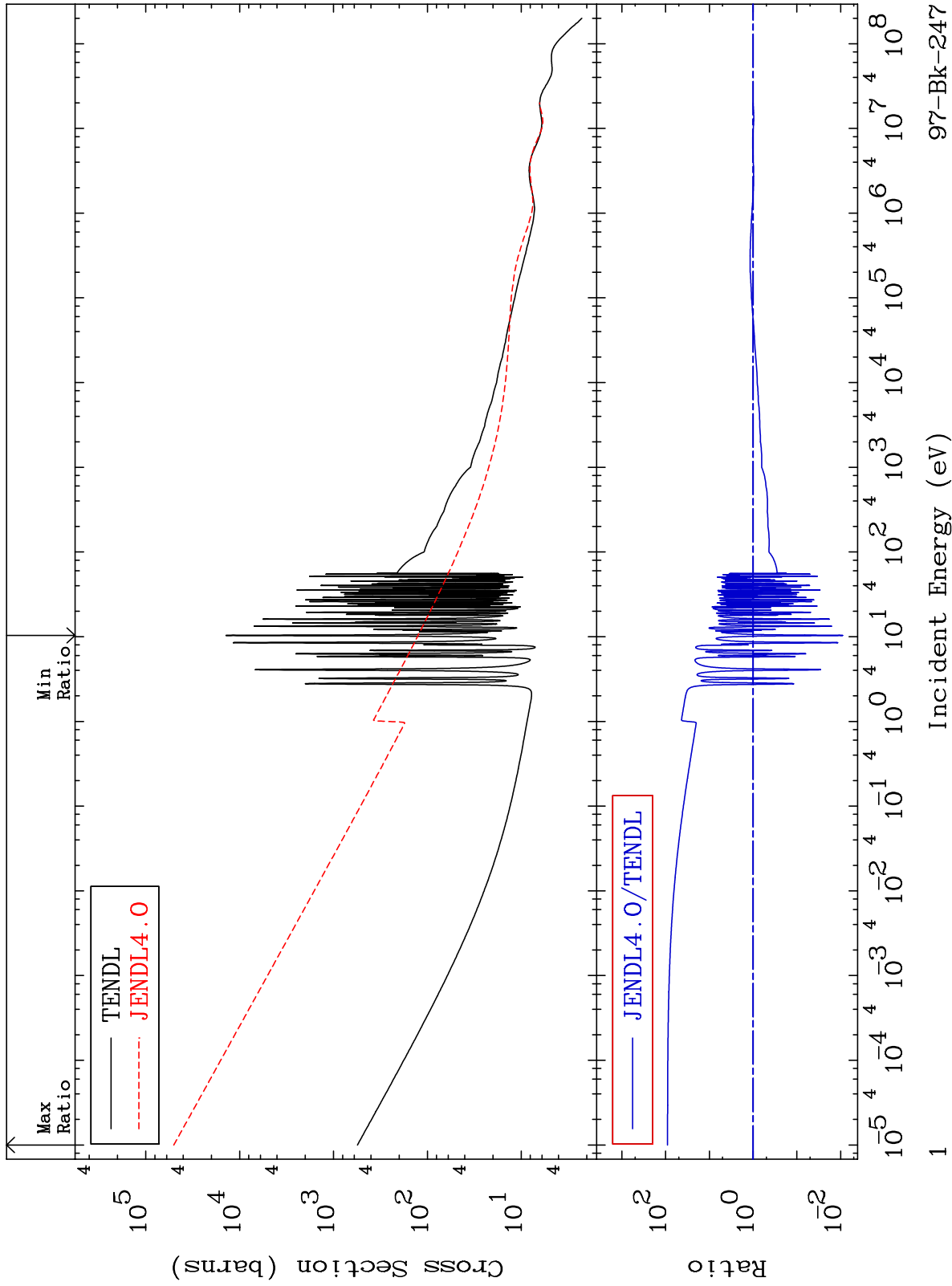
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Press Mouse Button to Start

MAT 9746 Total Cross Section 97-Bk-247 -99.10 To 8953. %



97-Bk-247

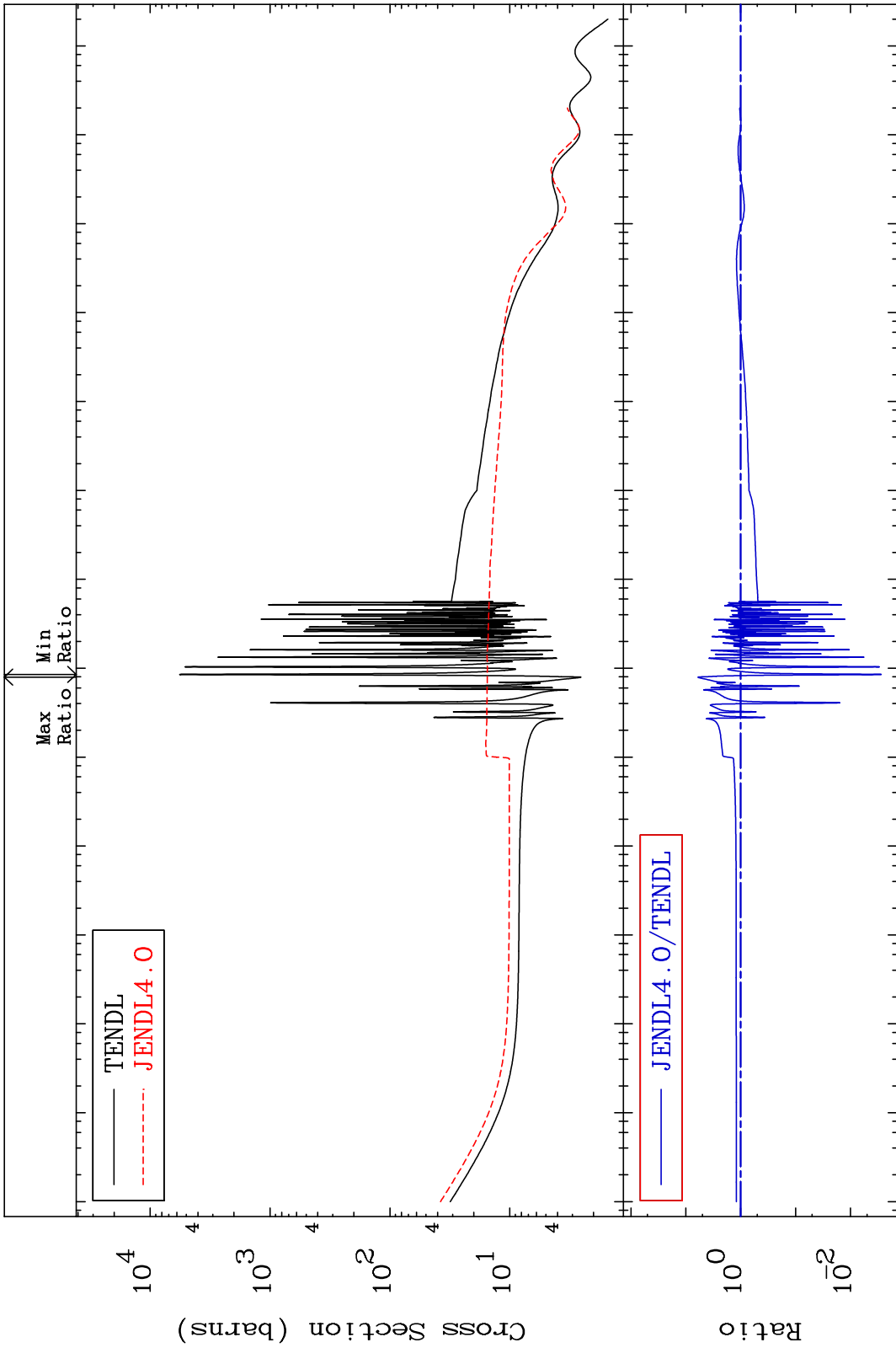
MAT 9746

Elastic

97-Bk-247

Cross Section

-99.73 To 506.0 %



Incident Energy (eV)

97-Bk-247

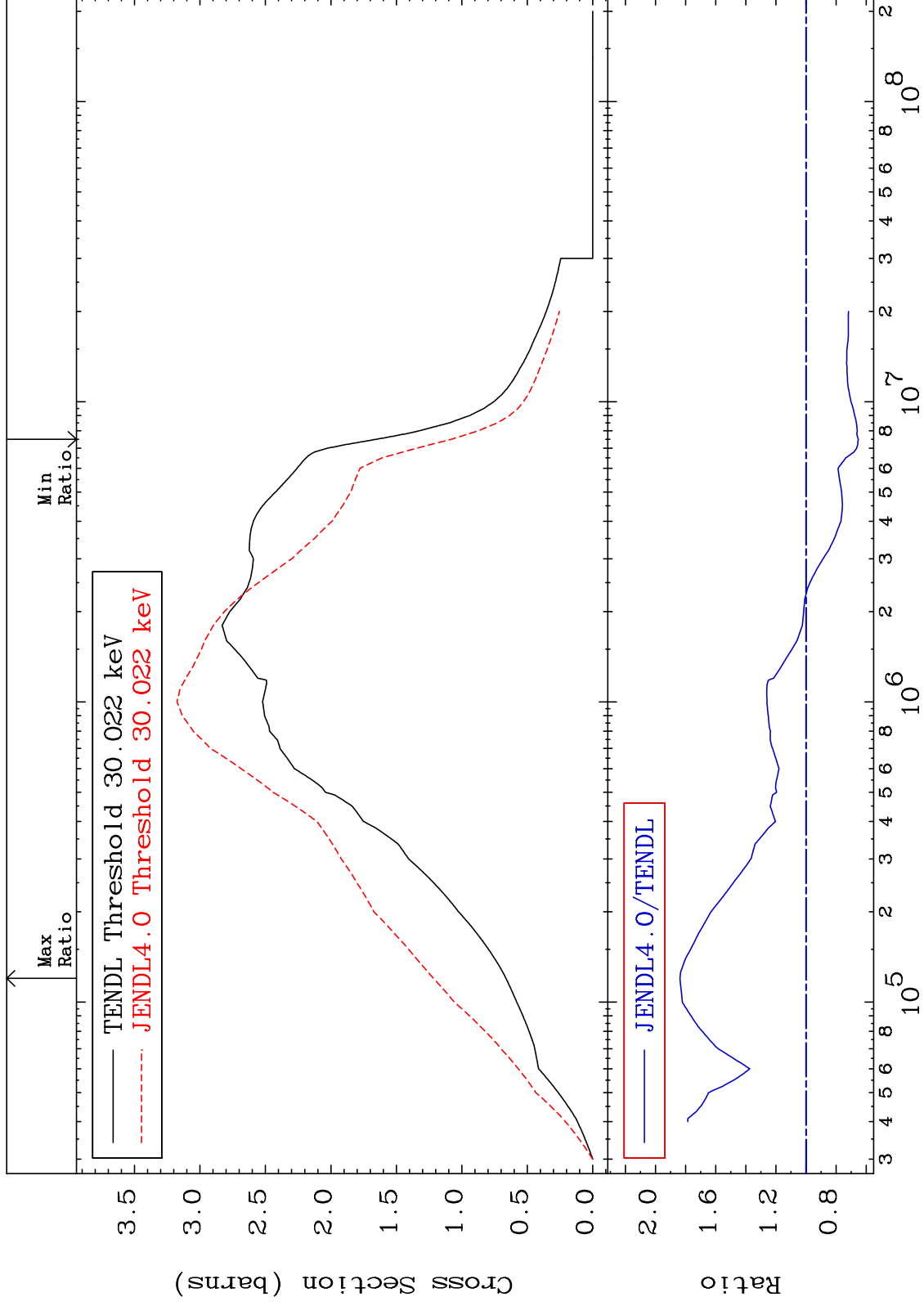
MAT 9746

Inelastic

97-Bk-247

Cross Section

-34.85 To 83.67 %



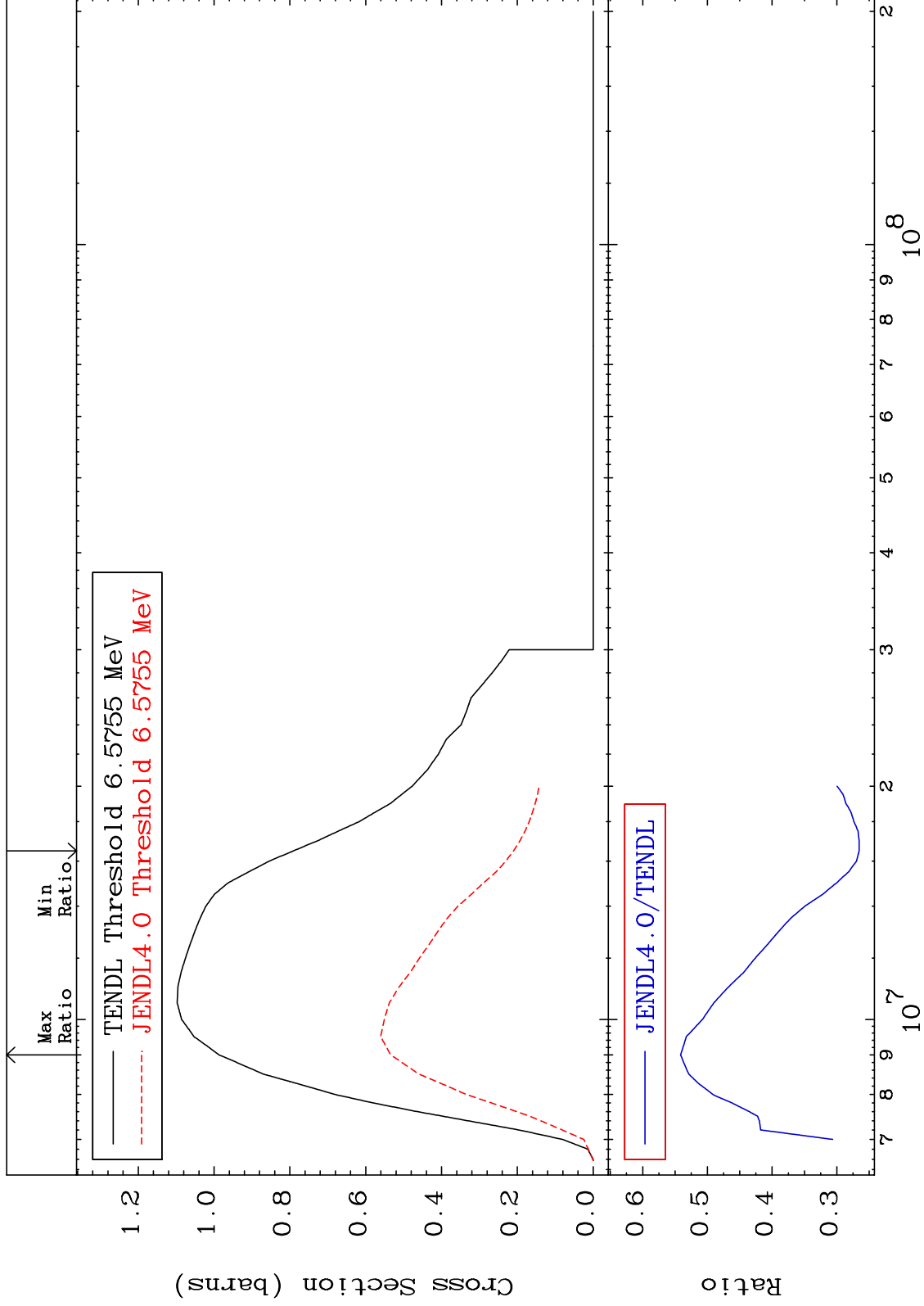
MAT 9746

(n, 2n)

97-Bk-247

Cross Section

-73.45 To -45.86%



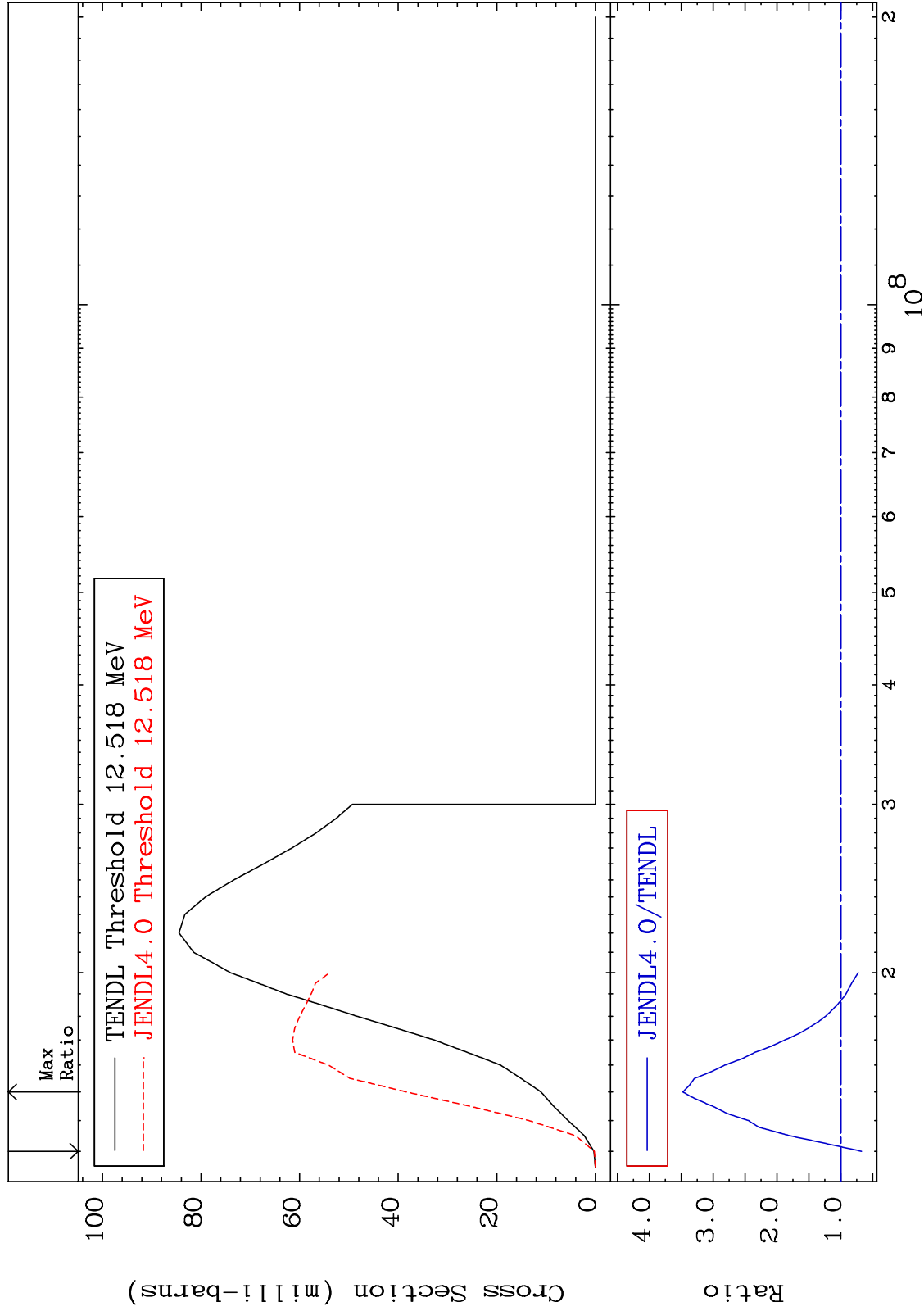
MAT 9746

(n, 3n)

97-Bk-247

Cross Section

-32.50 To 247.5 %

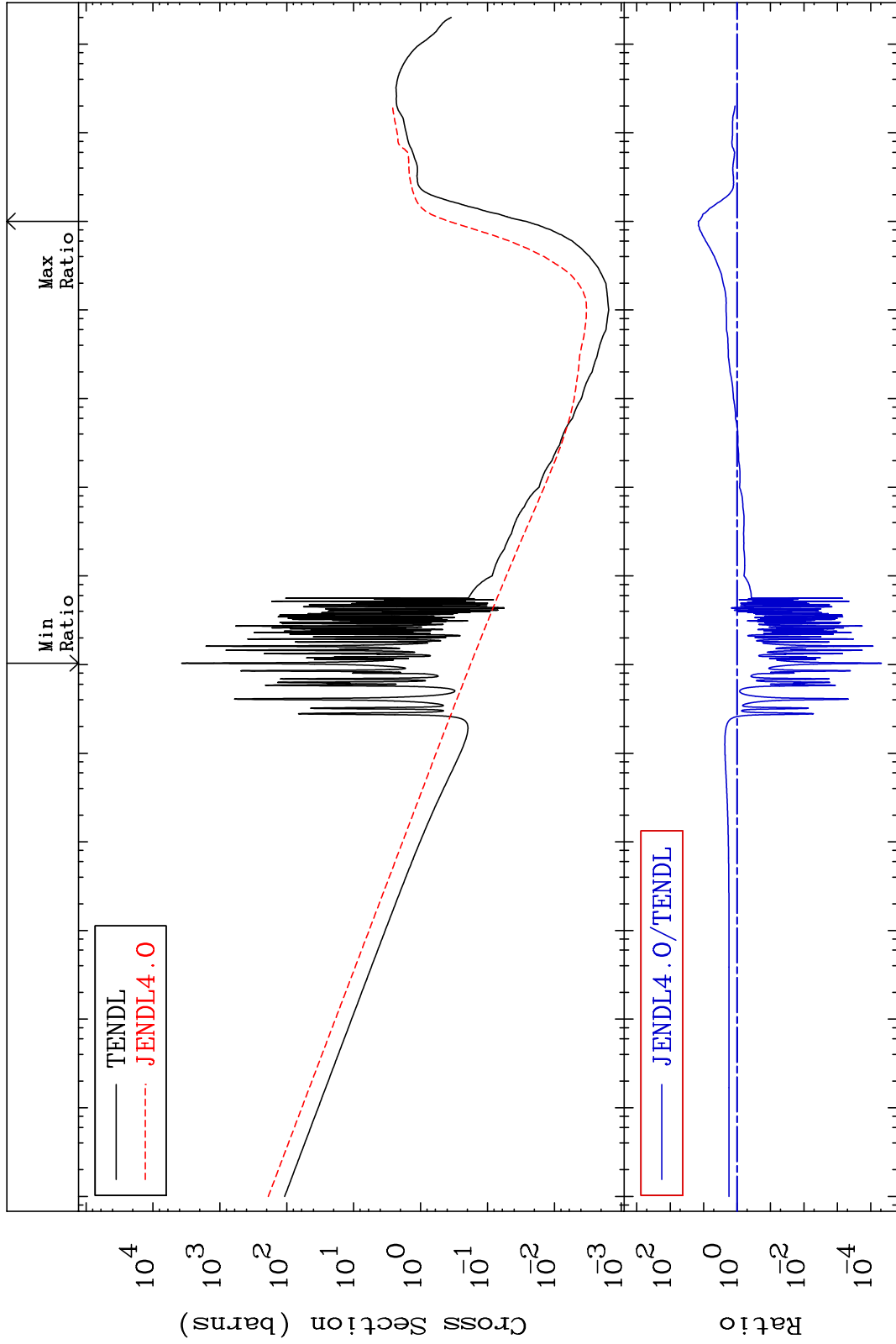


MAT 9746

Fission

97-Bk-247

Cross Section -100.0 To 1337. %



— TENDL
- - - JENDL4.0

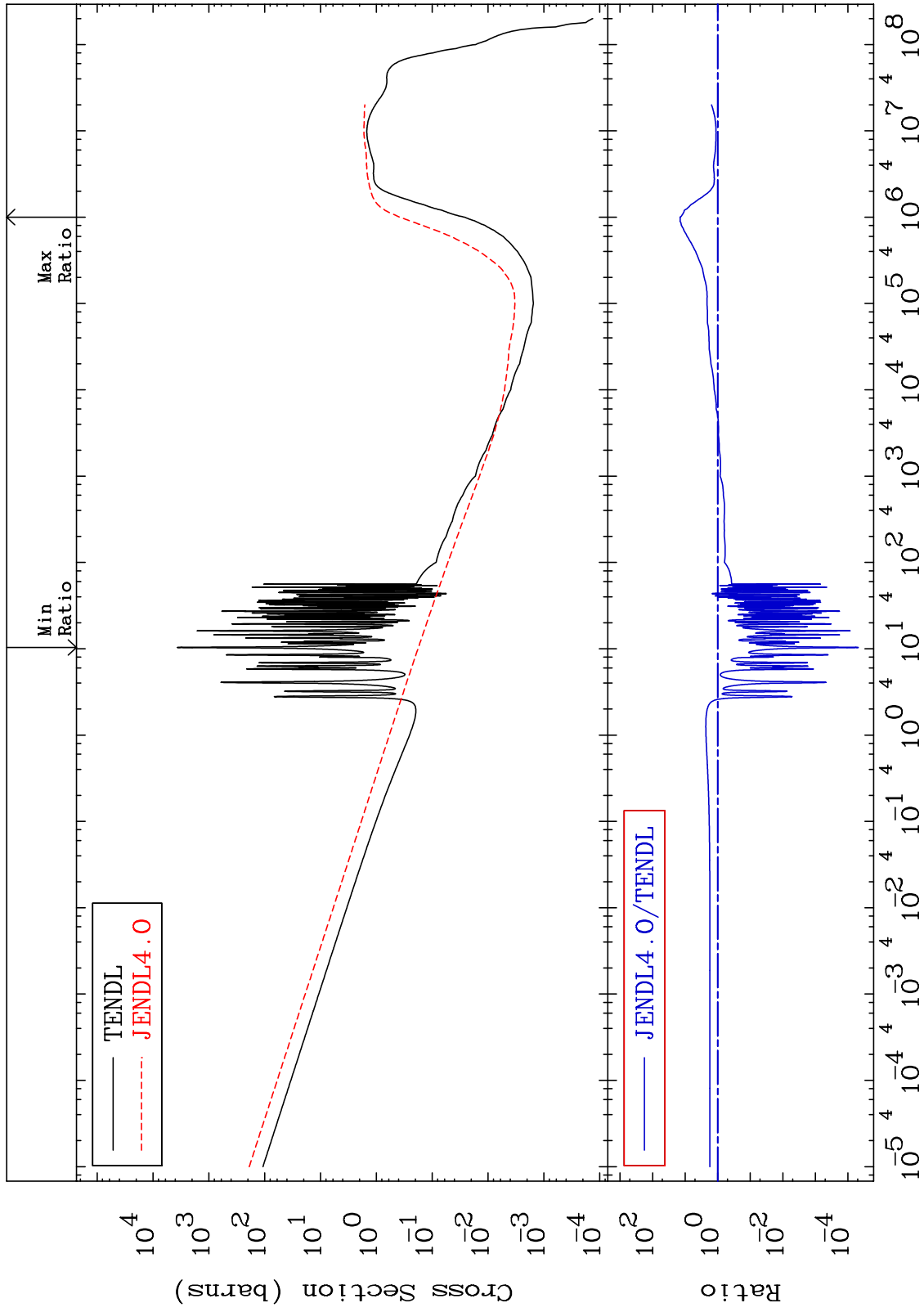
— JENDL4.0/TENDL

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV) 97-Bk-247

MAT 9746

(n,f) First Chance
Cross Section

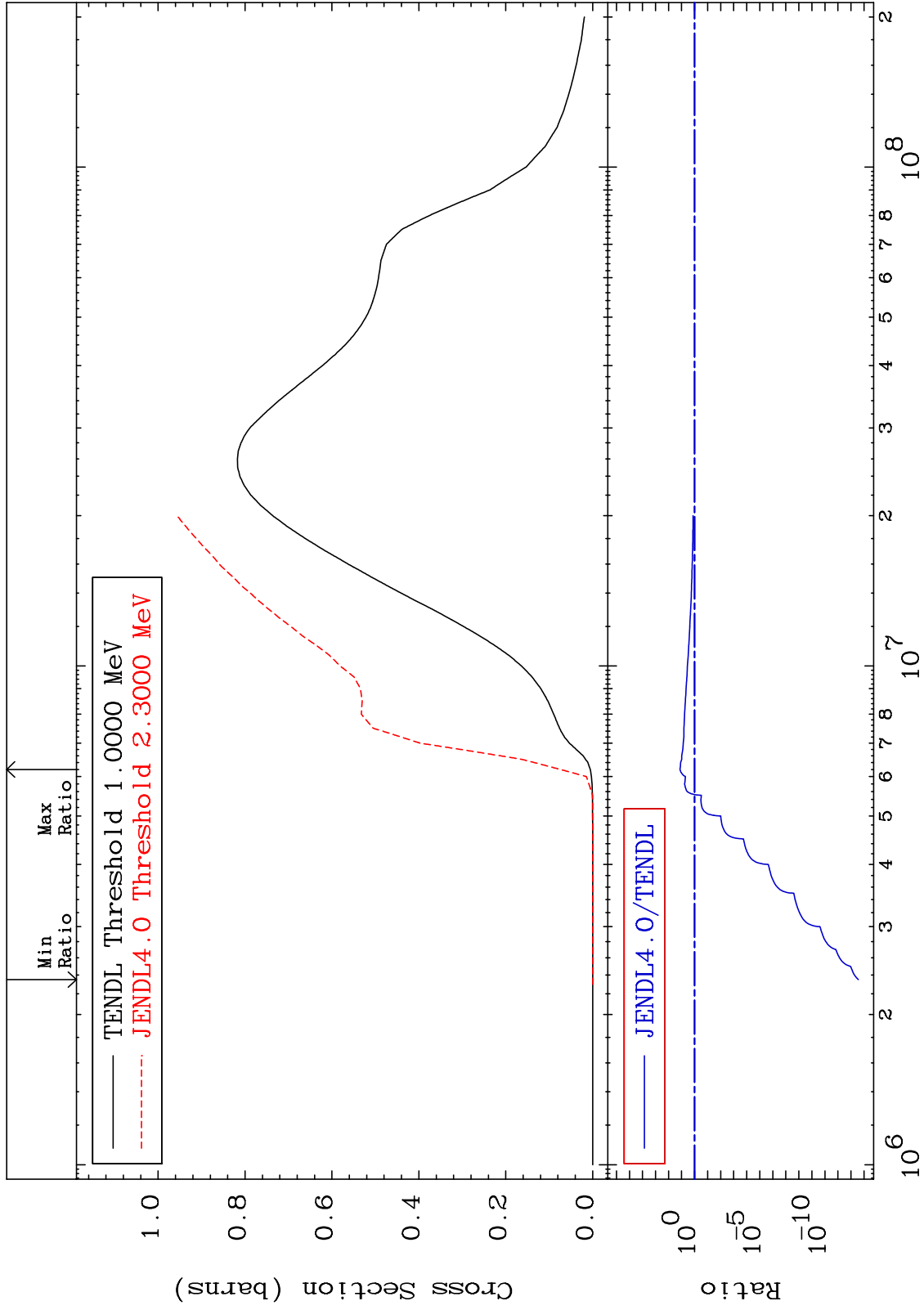
97-Bk-247
-100.0 To 1337. %



MAT 9746

(n, nf) Second Chance
Cross Section

97-Bk-247
-100.0 To 1219. %



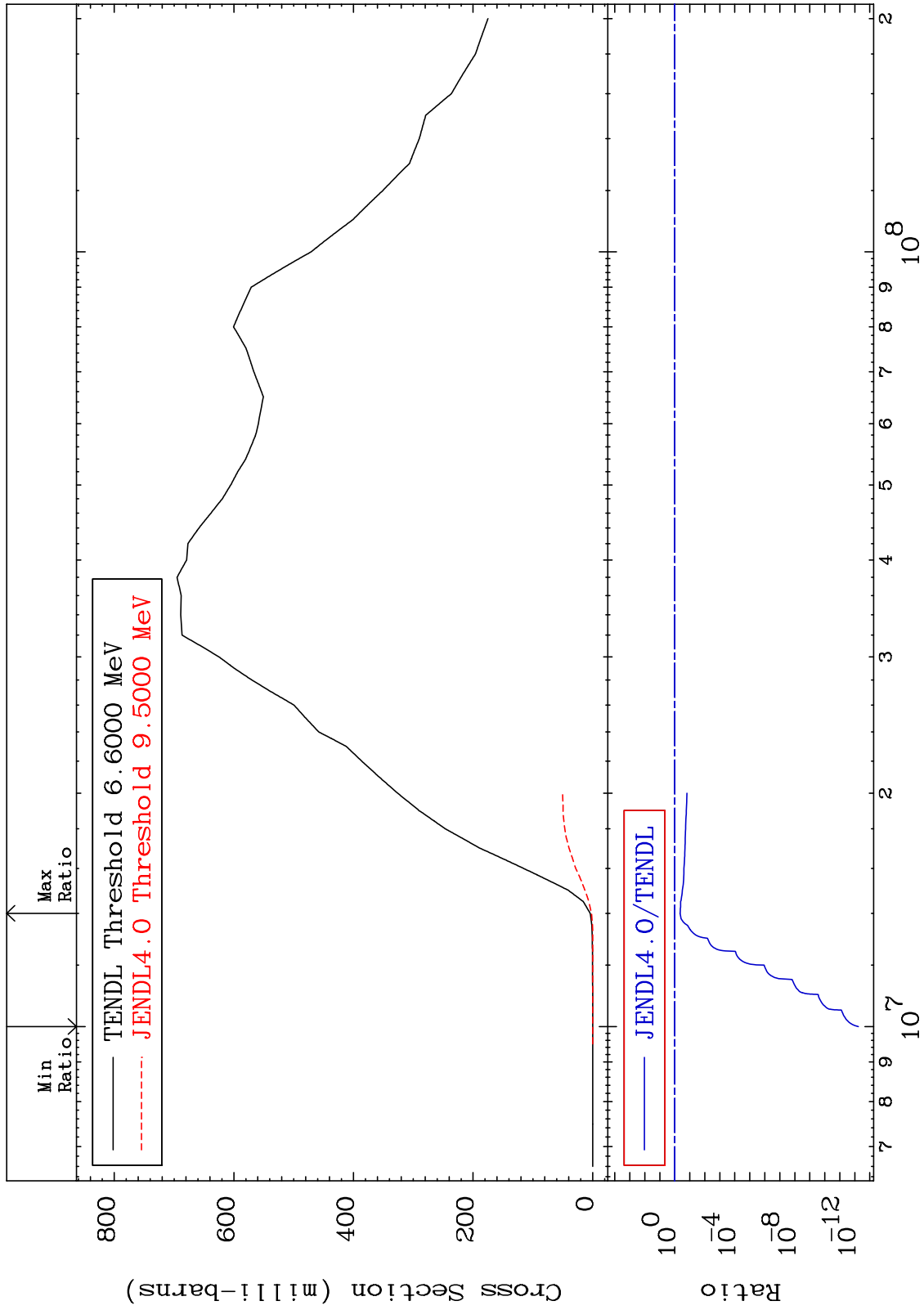
8

97-Bk-247

MAT 9746

(n,2nf) Third Chance
Cross Section

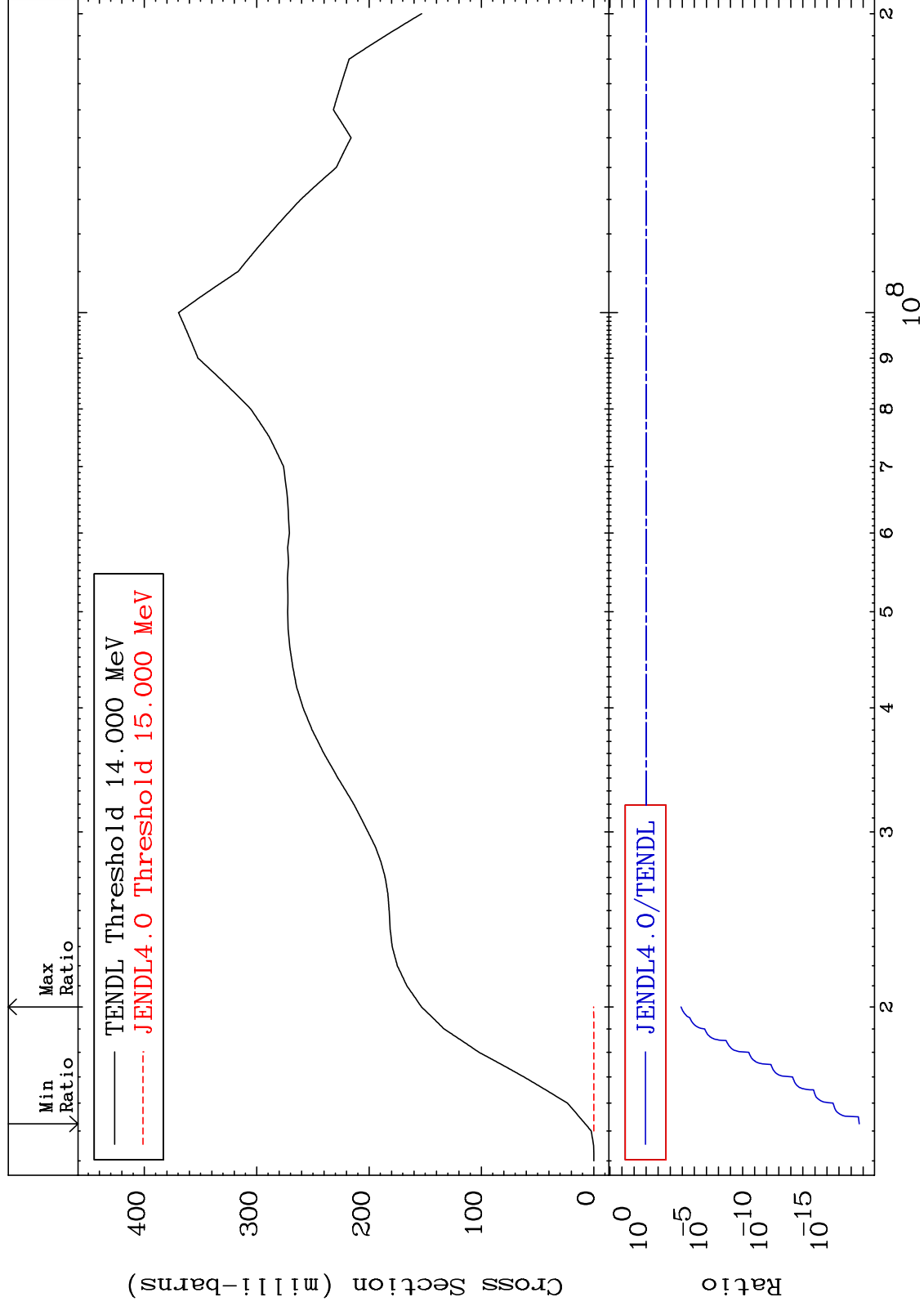
97-Bk-247
-100.0 To -55.14%



MAT 9746

(n,3nf) Fourth Chance
Cross Section

97-Bk-247
-100.0 To -99.87%

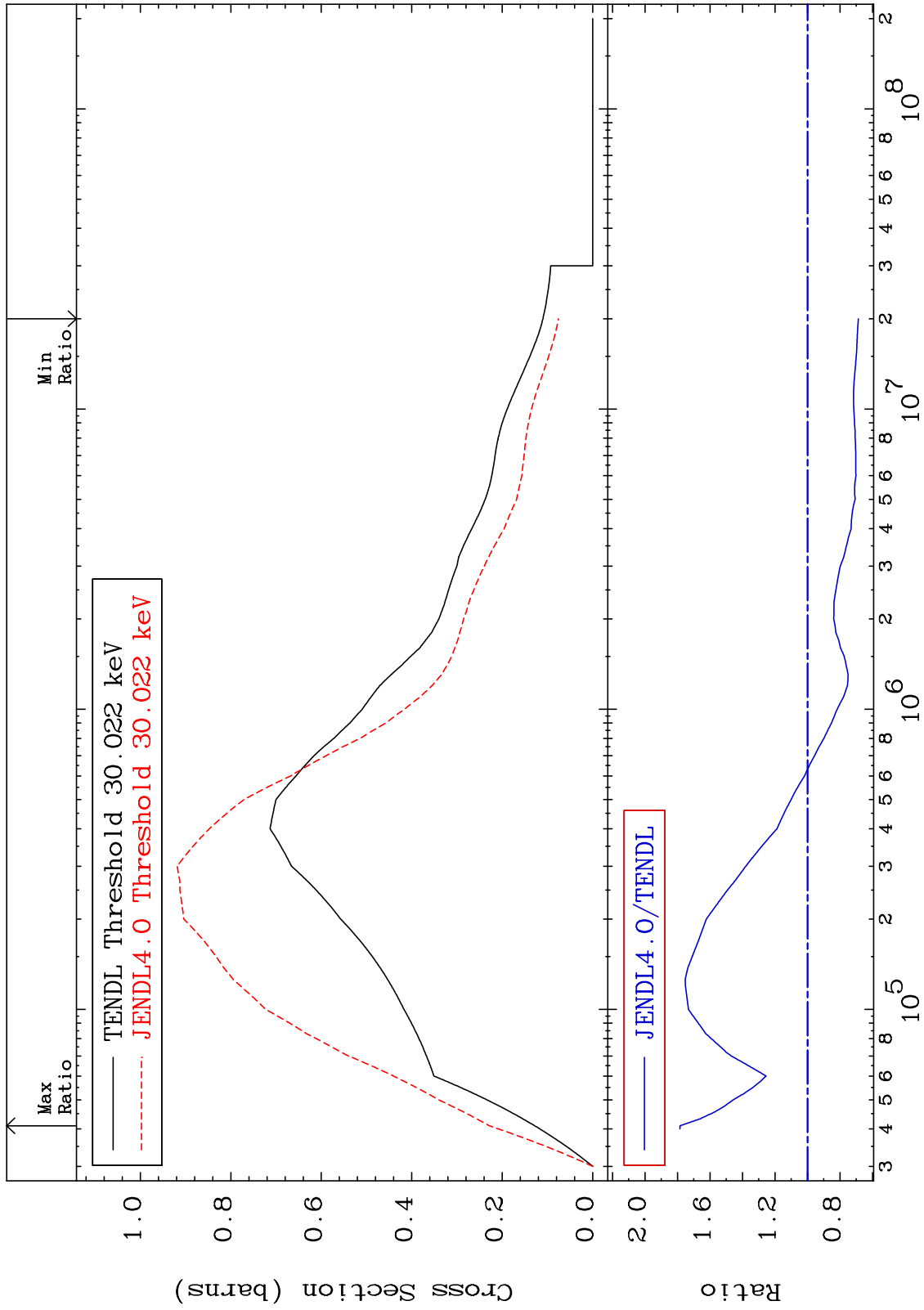


10

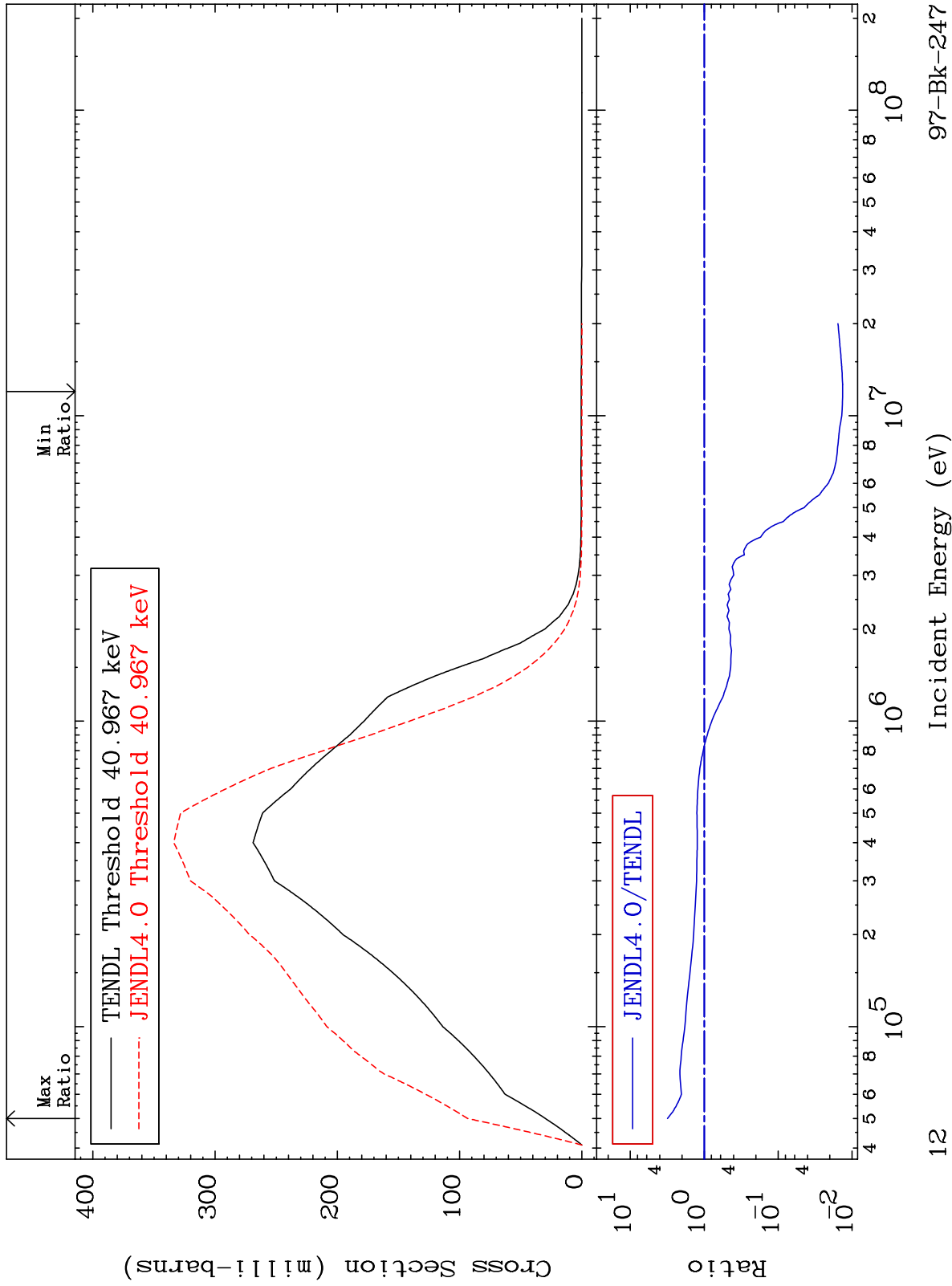
Incident Energy (eV)

97-Bk-247

MAT 9746 MT= 51 (n,n') Level 97-Bk-247
 Cross Section -31.31 To 78.44 %



MAT 9746 MT= 52 (n,n') Level 97-Bk-247
 Cross Section -98.66 To 213.7 %

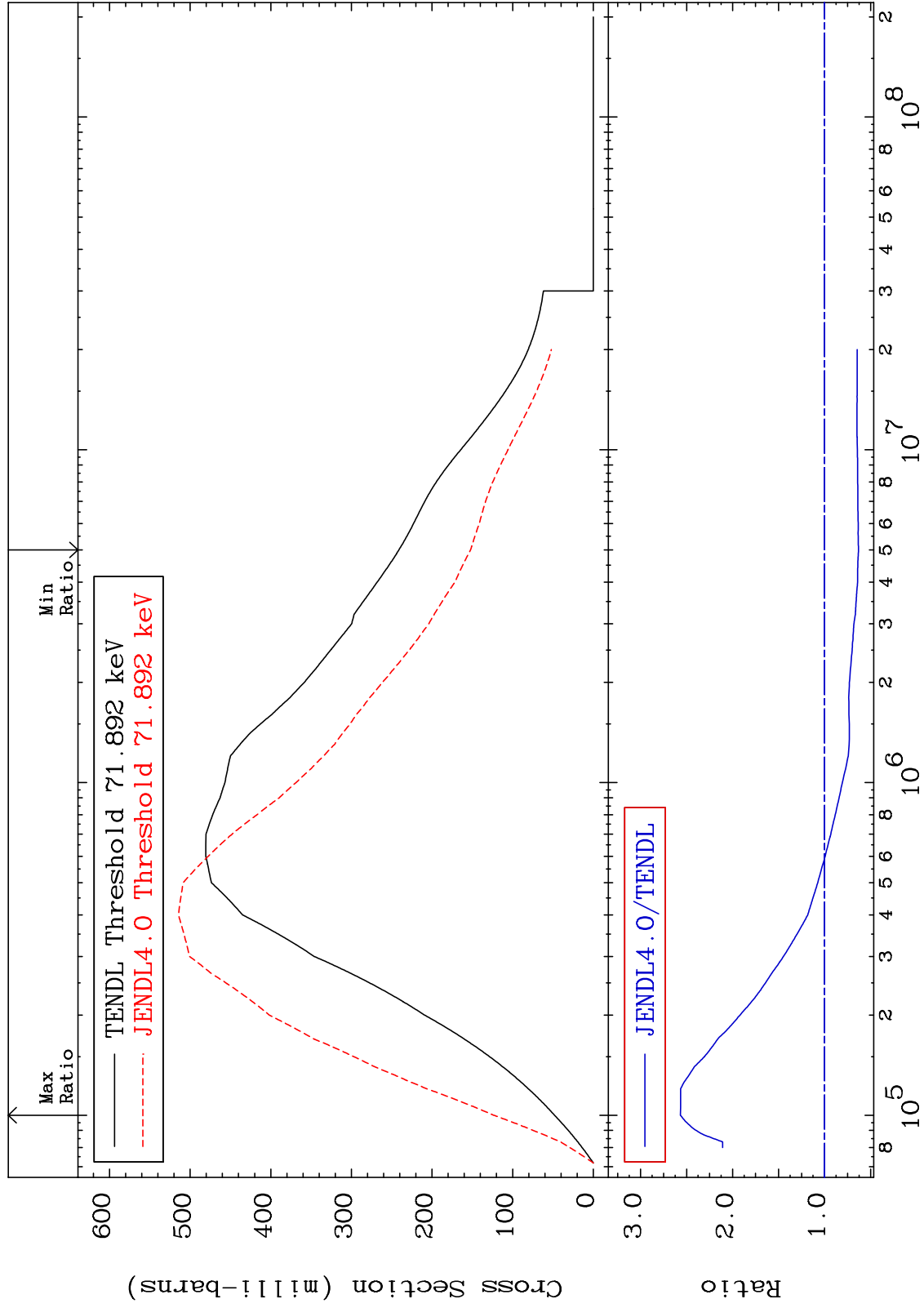


97-Bk-247

MAT 9746

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

97-Bk-247
-36.91 To 156.7 %



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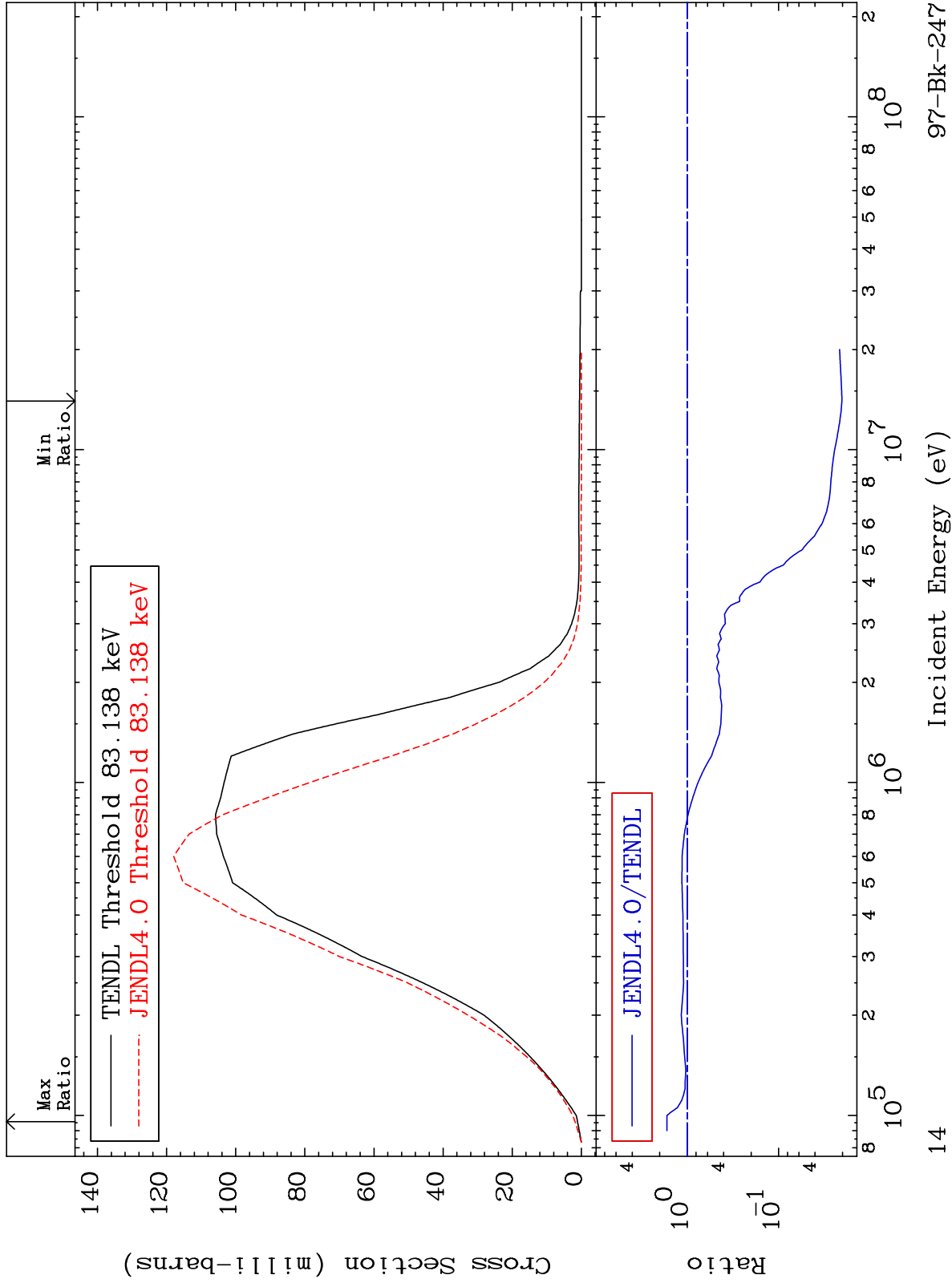
Incident Energy (eV)

97-Bk-247

MAT 9746

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

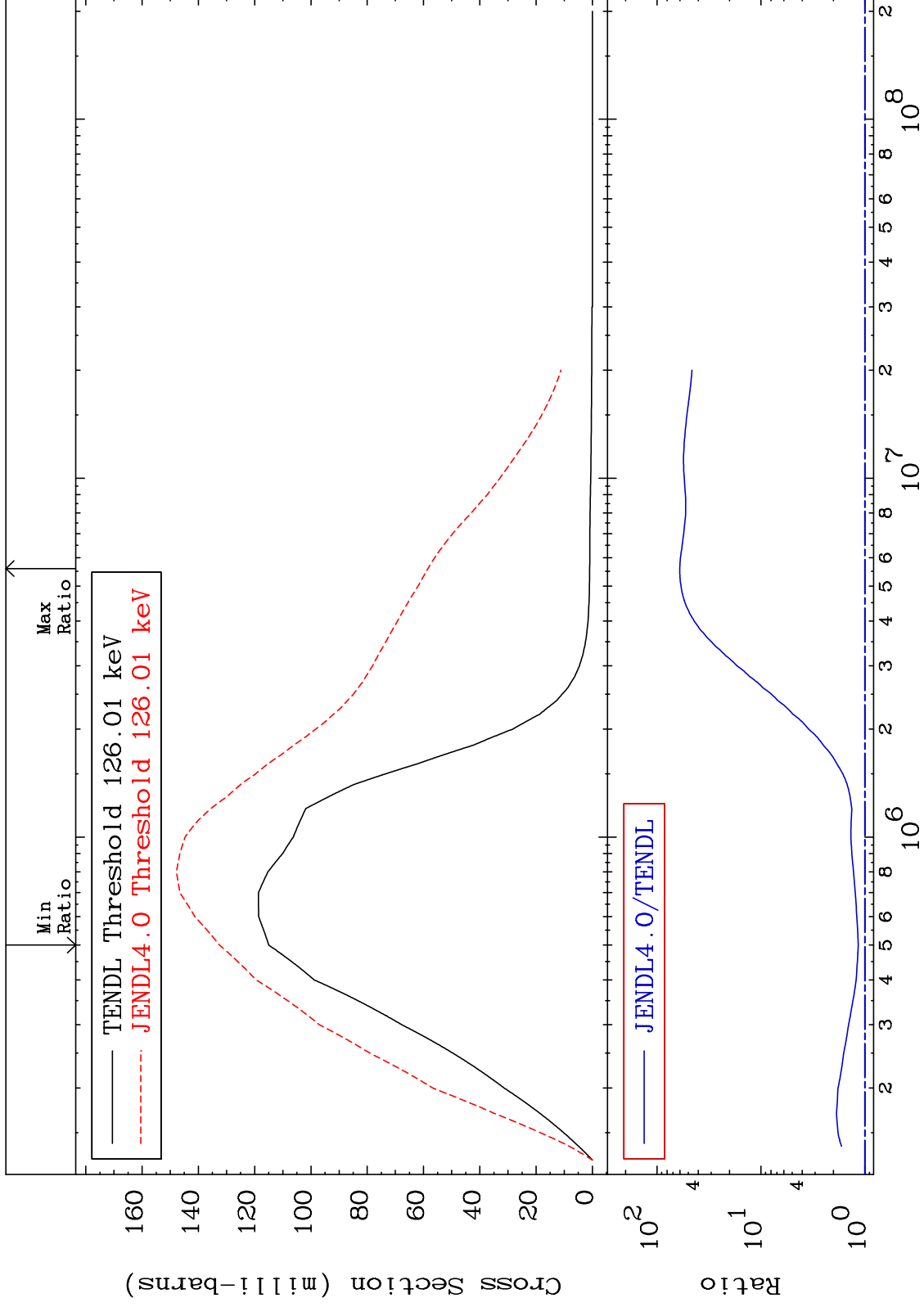
97-Bk-247
-97.97 To 66.50 %



MAT 9746

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

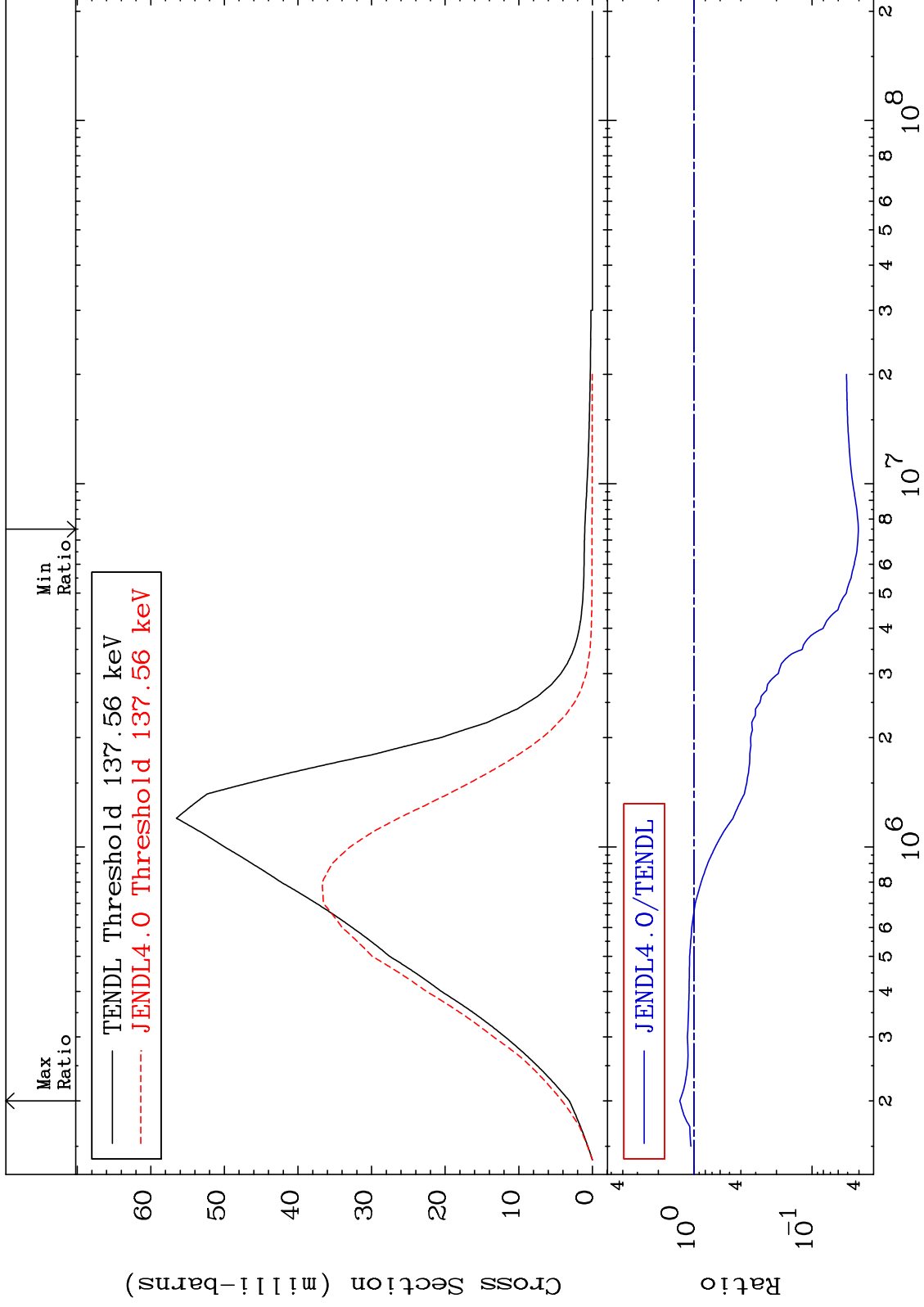
97-Bk-247
15.24 To 5924. %



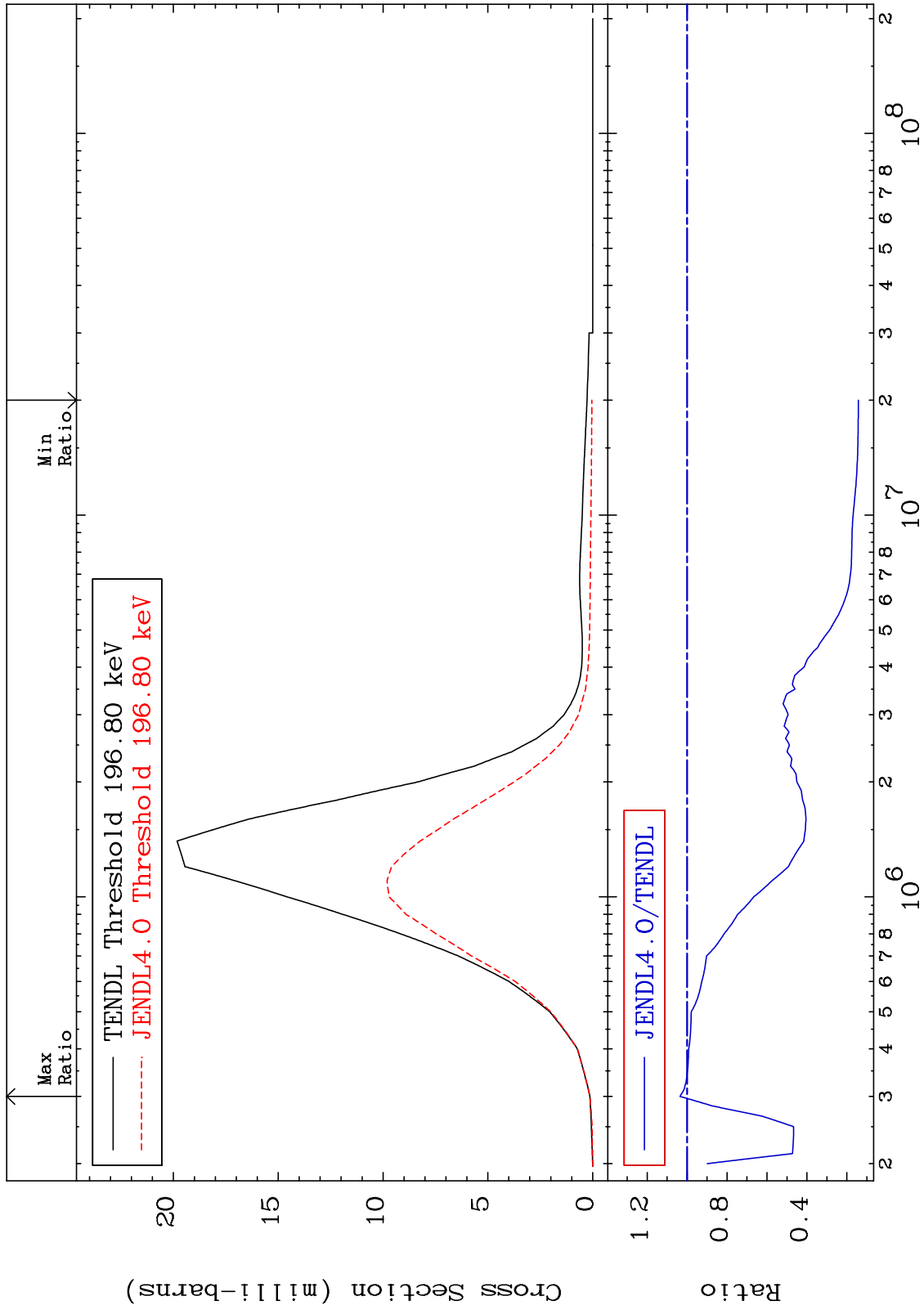
MAT 9746

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

97-Bk-247
-95.94 To 31.43 %



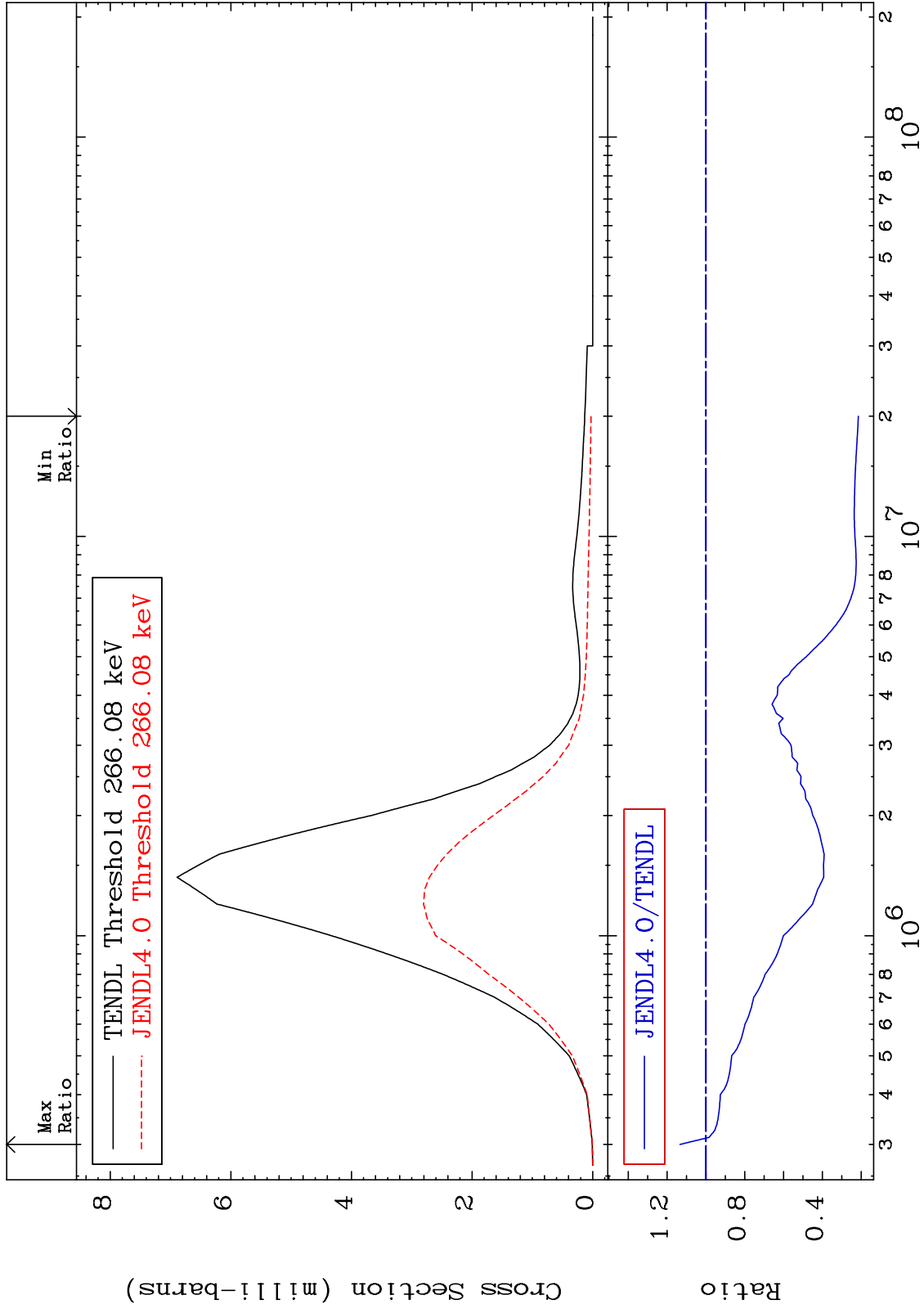
MAT 9746 MT= 57 (n,n') Level 97-Bk-247
 Cross Section -85.78 To 3.548 %



MAT 9746

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

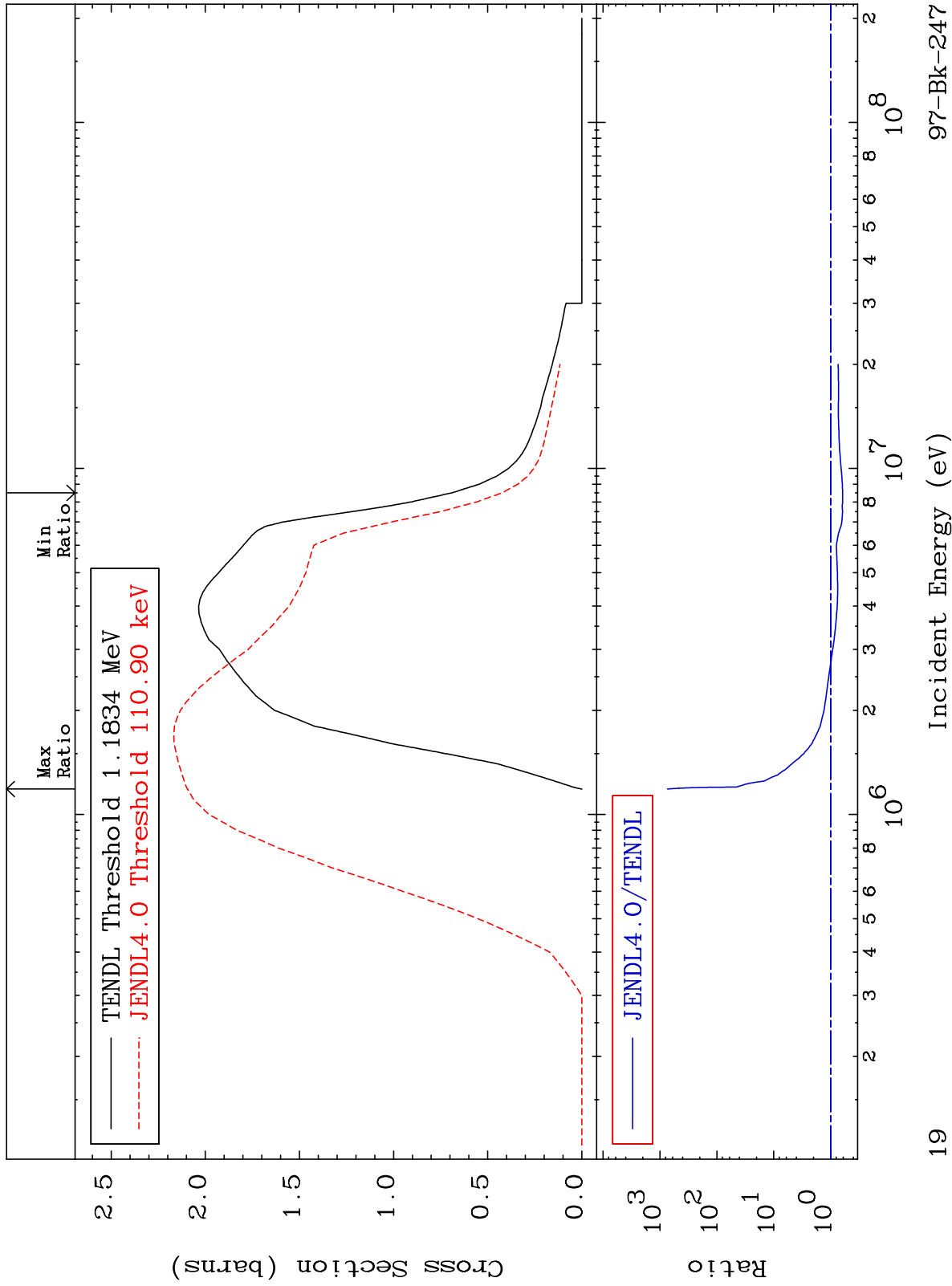
97-Bk-247
-78.61 To 13.31 %



MAT 9746

(n, n') Continuum
Cross Section

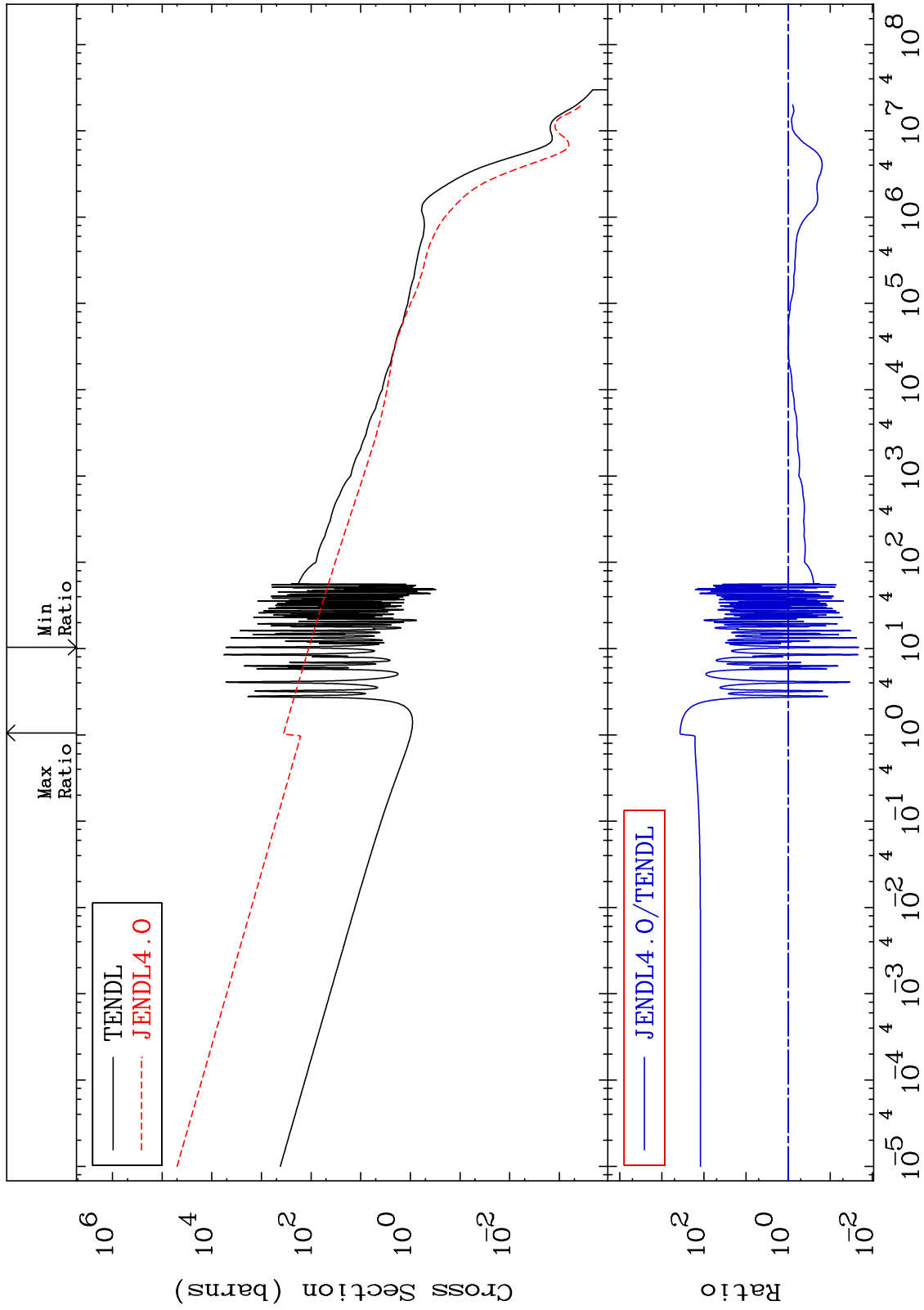
97-Bk-247
-38.58 To 9999. %



MAT 9746

(n, γ)
Cross Section

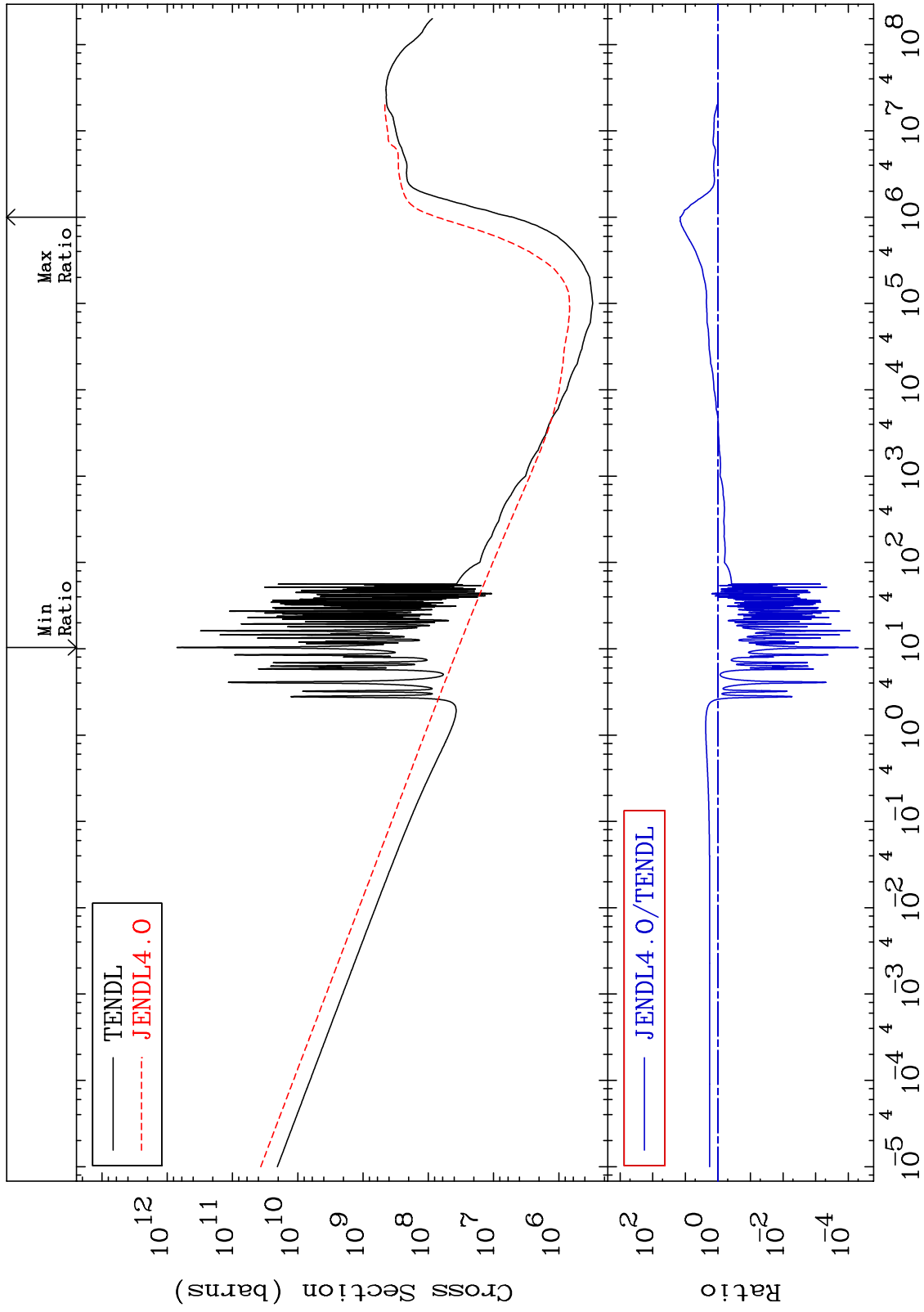
97-Bk-247
-97.87 To 9999. %



MAT 9746

Kerma total (eV-barns)
Cross Section

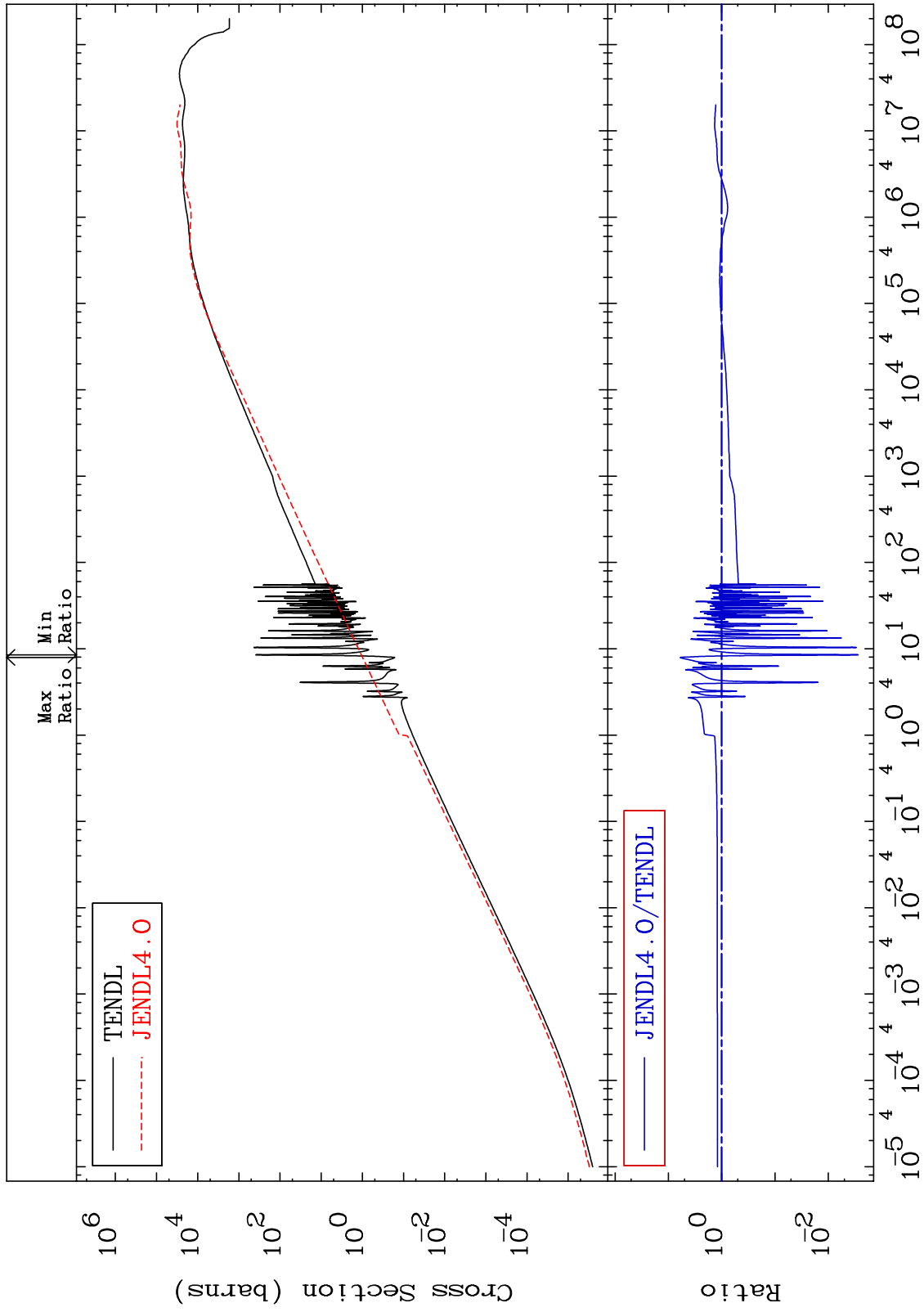
97-Bk-247
-100.0 To 1356. %



MAT 9746

Kerma elastic
Cross Section

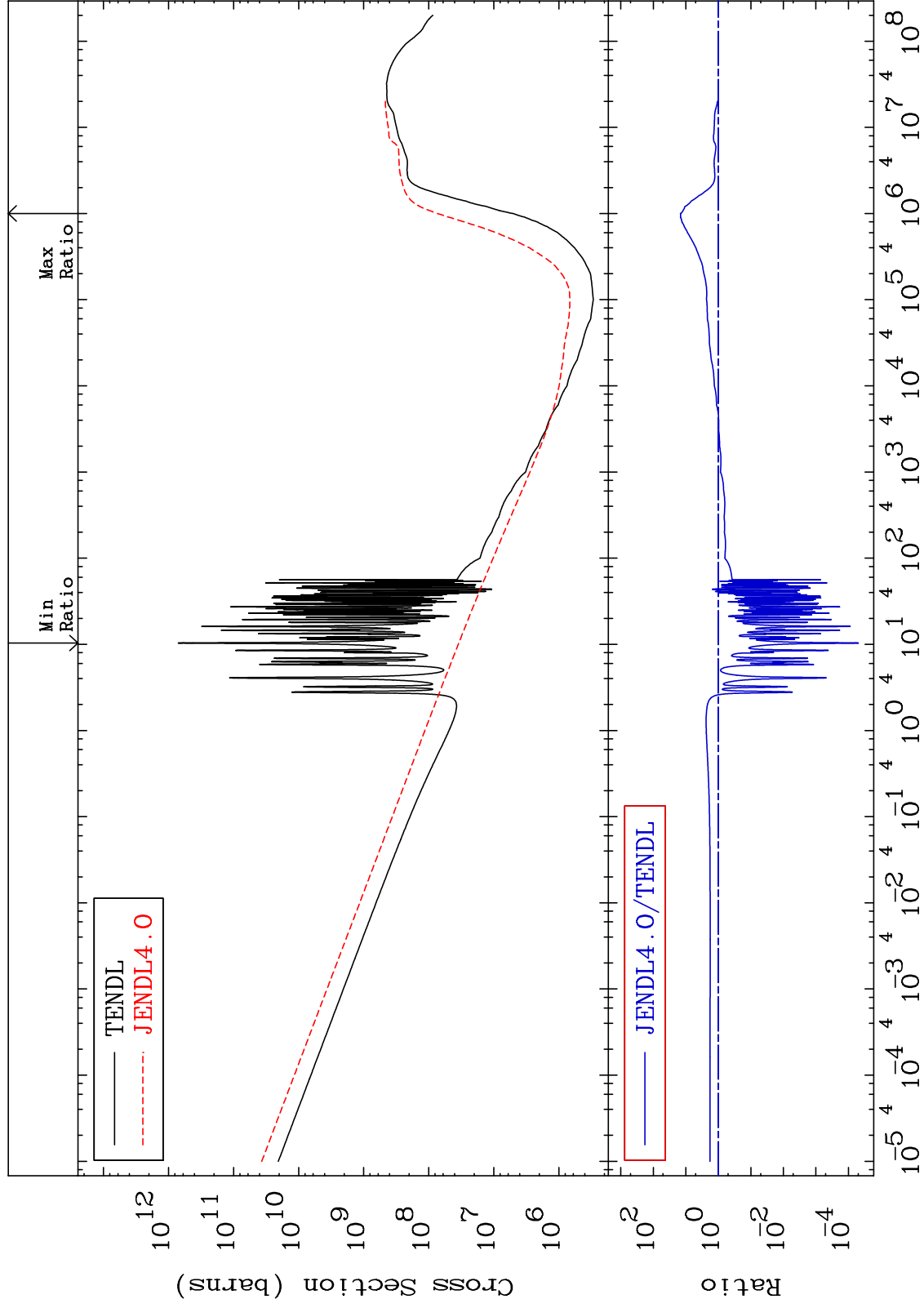
97-Bk-247
-99.73 To 506.0 %



MAT 9746

Kerma non-elastic (all but mt2)
Cross Section

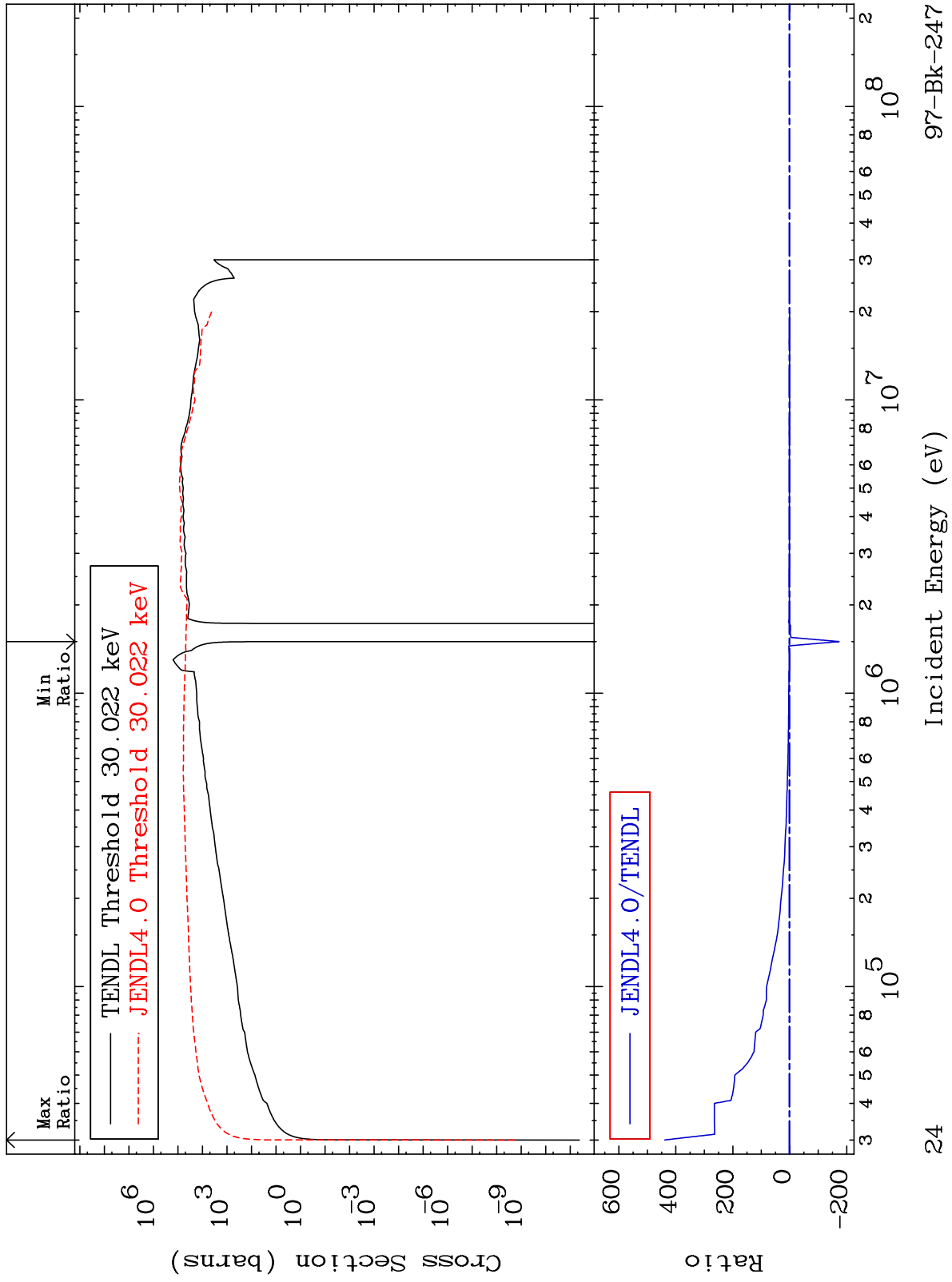
97-Bk-247
-100.0 To 1360. %



MAT 9746

Kerma inelastic (mt51-91)
Cross Section

97-Bk-247
-9999. To 9999. %



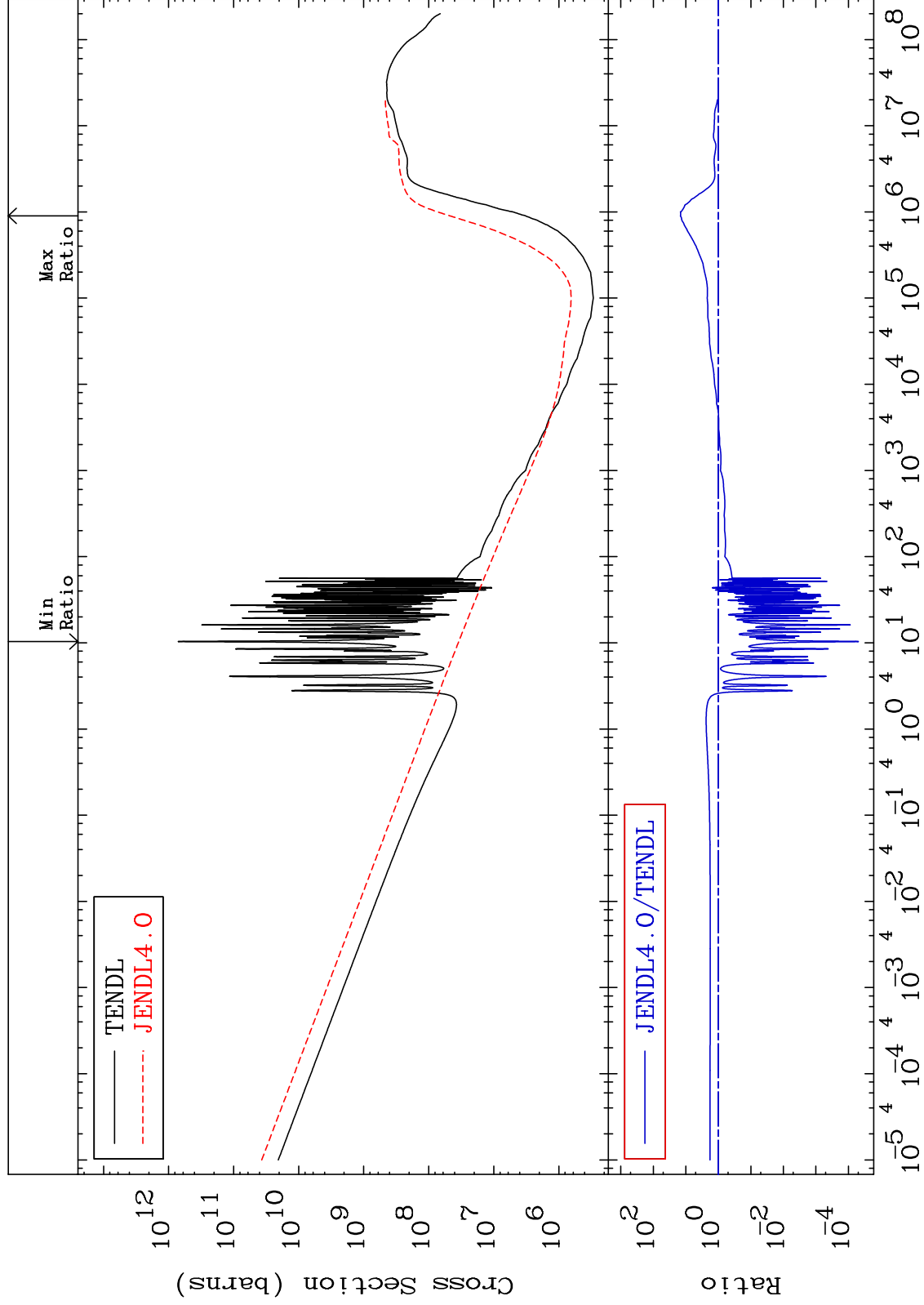
MAT 9746

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

97-Bk-247

-100.0 To 1365. %

Cross Section



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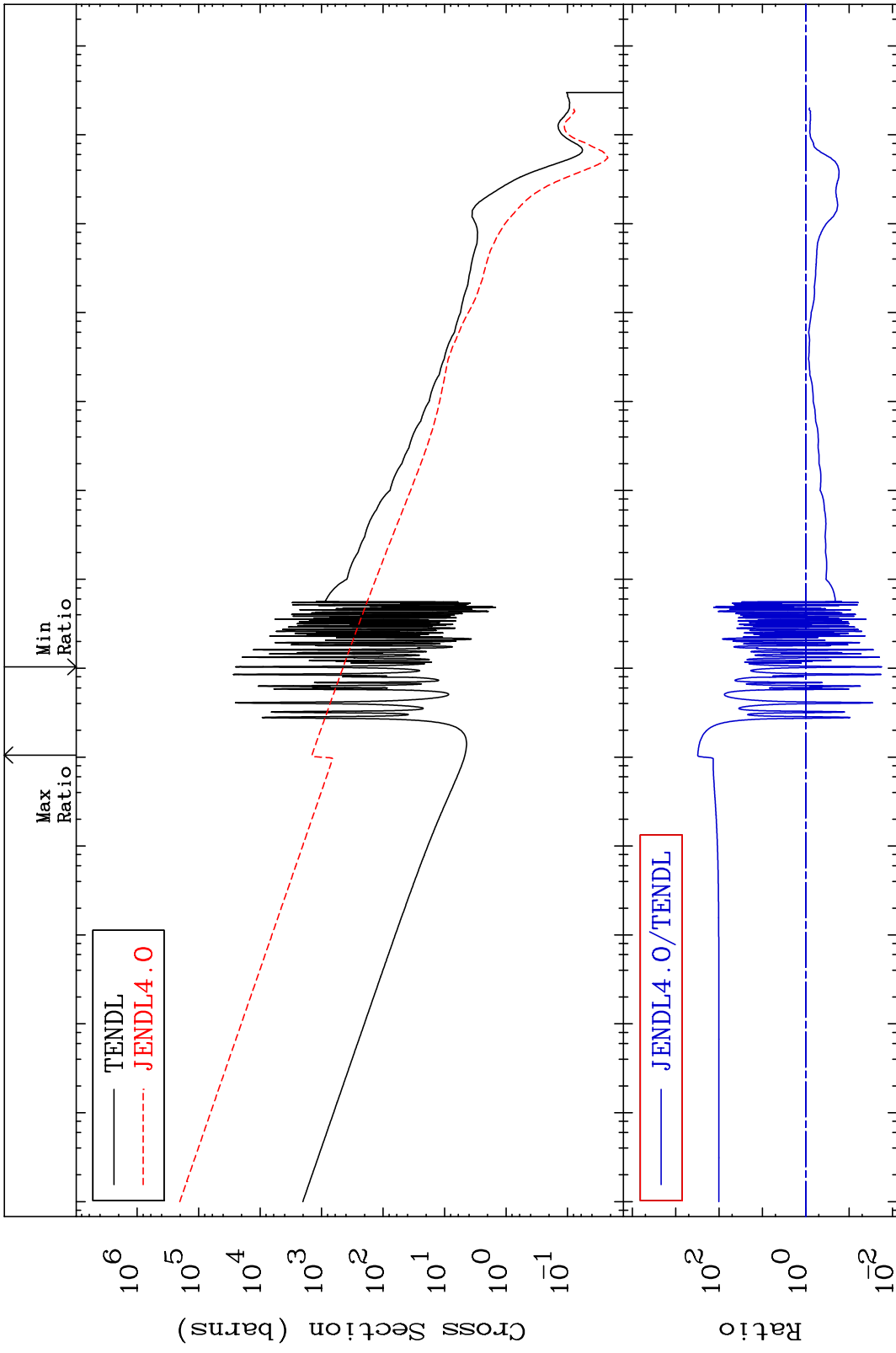
Incident Energy (eV)

97-Bk-247

MAT 9746

Kerma capture (mt102)
Cross Section

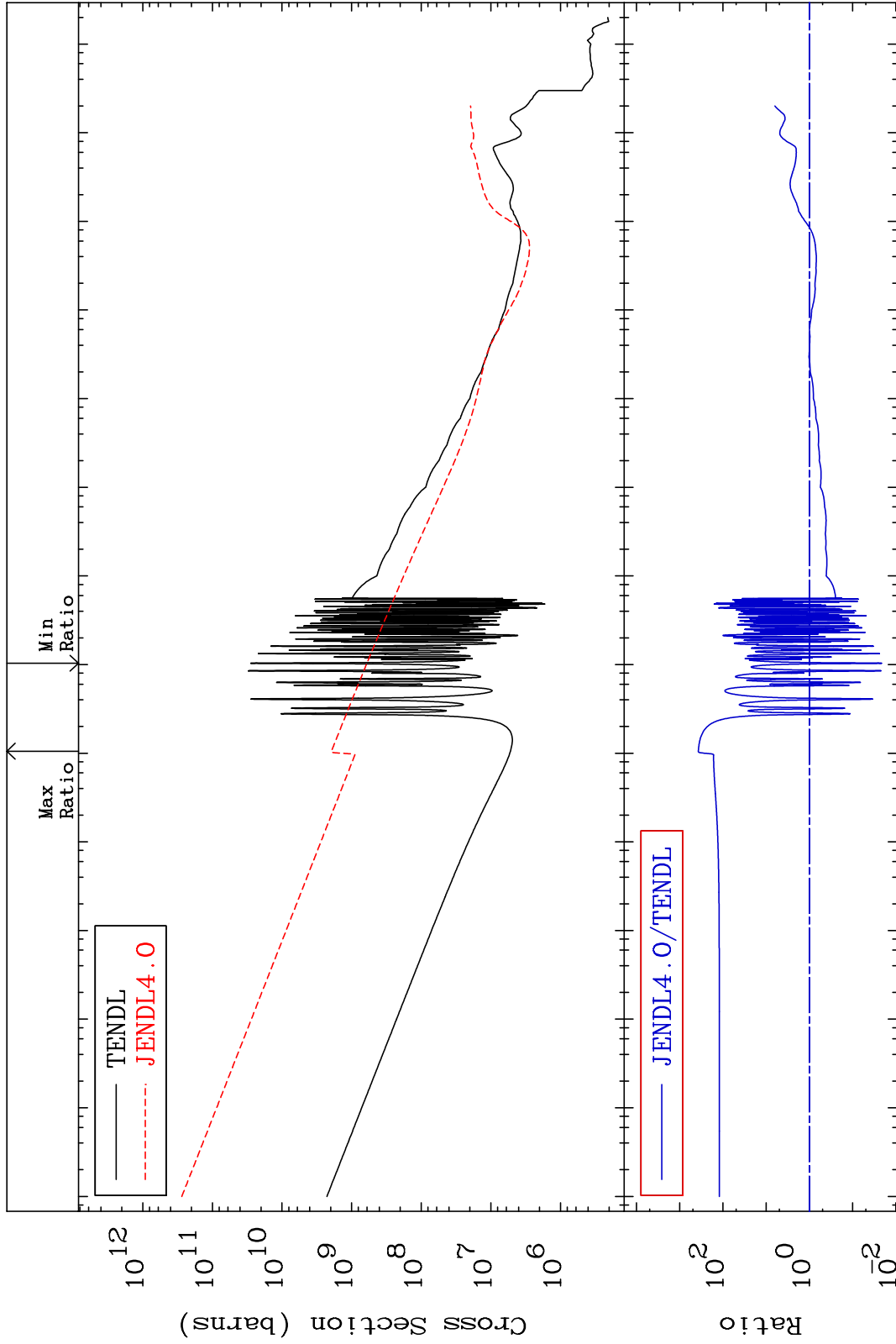
97-Bk-247
-98.22 To 9999. %



MAT 9746

Total photon (eV-barns)
Cross Section

97-Bk-247
-97.85 To 9999. %



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Incident Energy (eV)

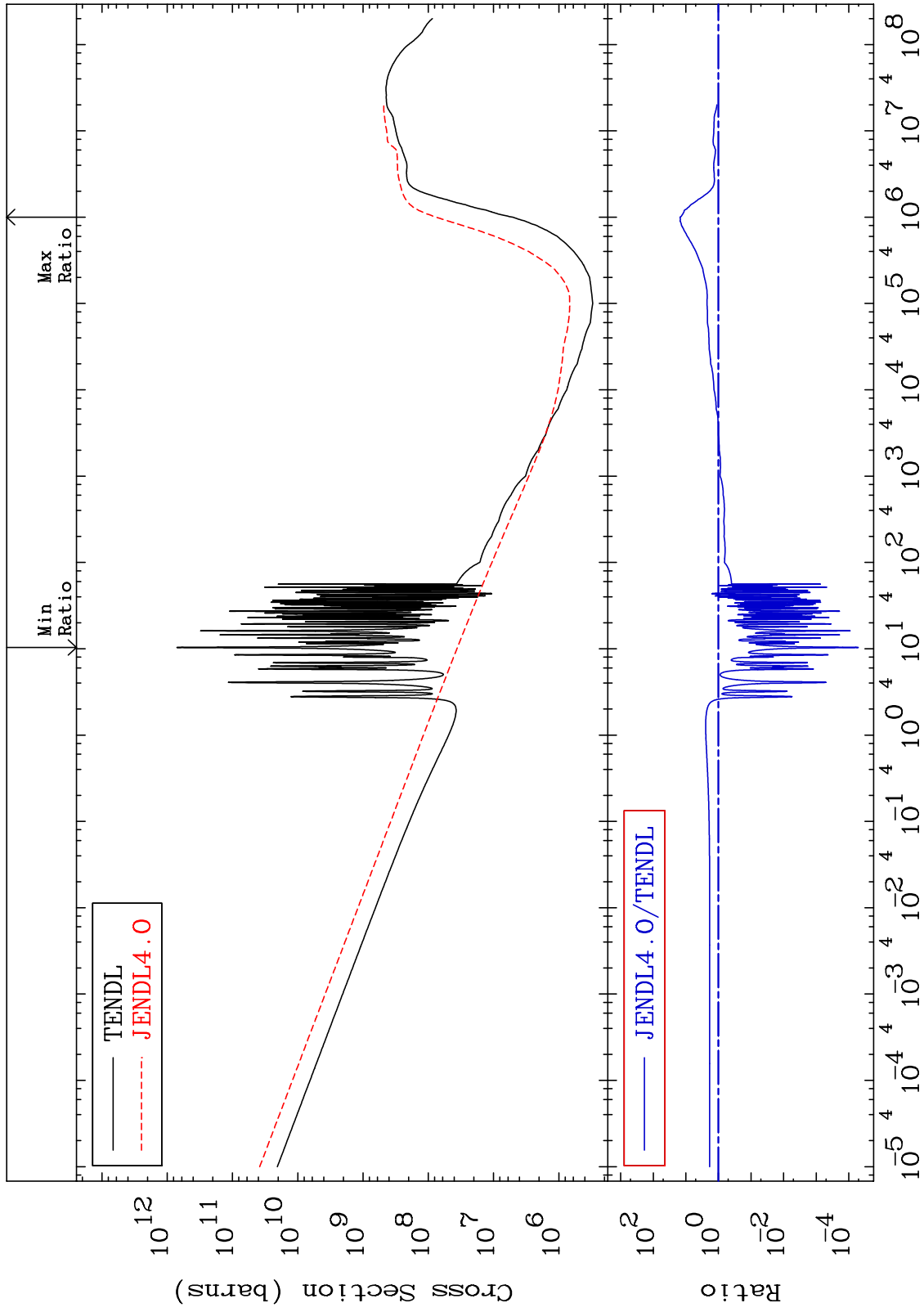
97-Bk-247

MAT 9746

Total kinematic kerma (high limit)

97-Bk-247

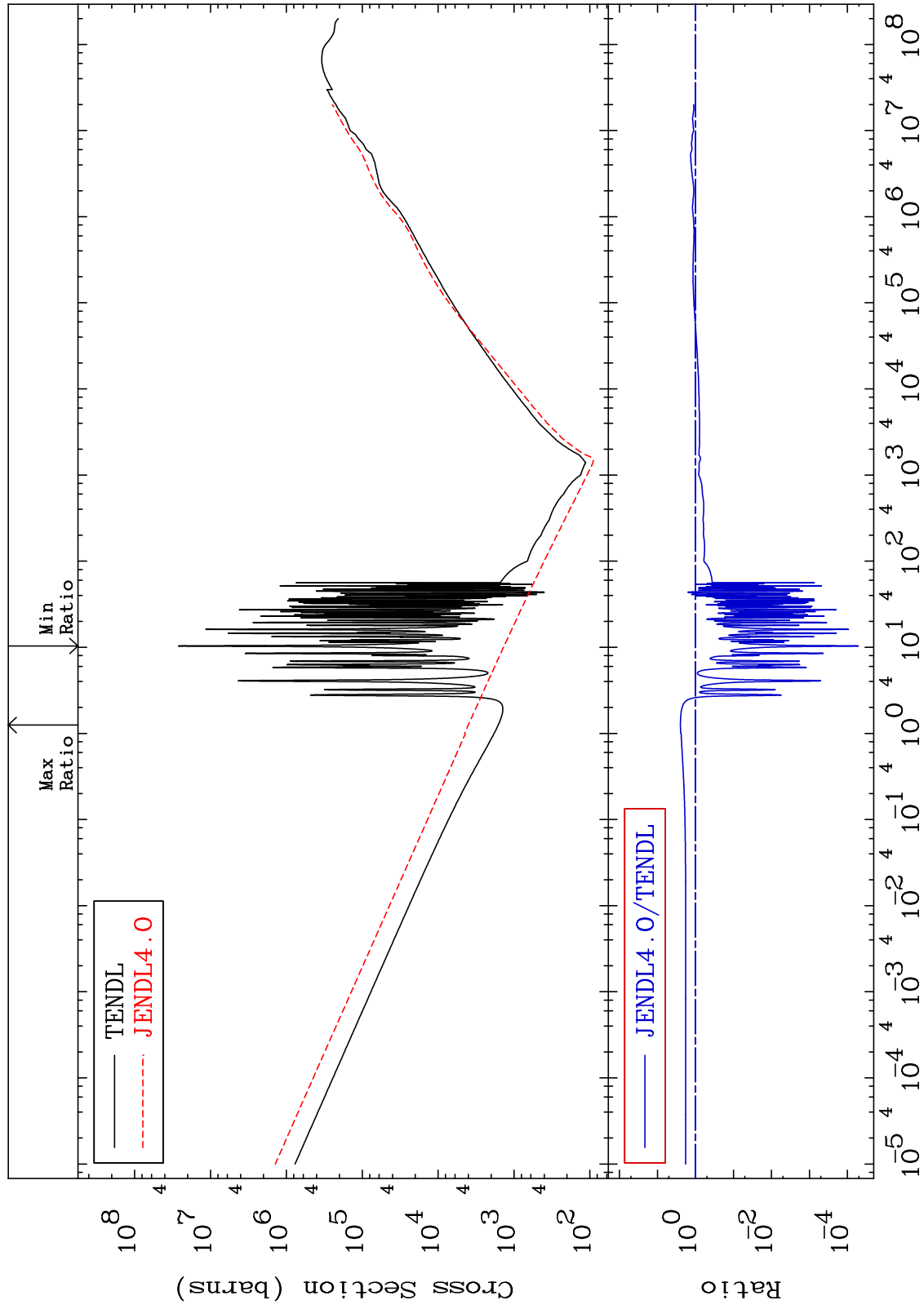
-99.99 To 1407. %



MAT 9746

Dpa total (eV-barns)
Cross Section

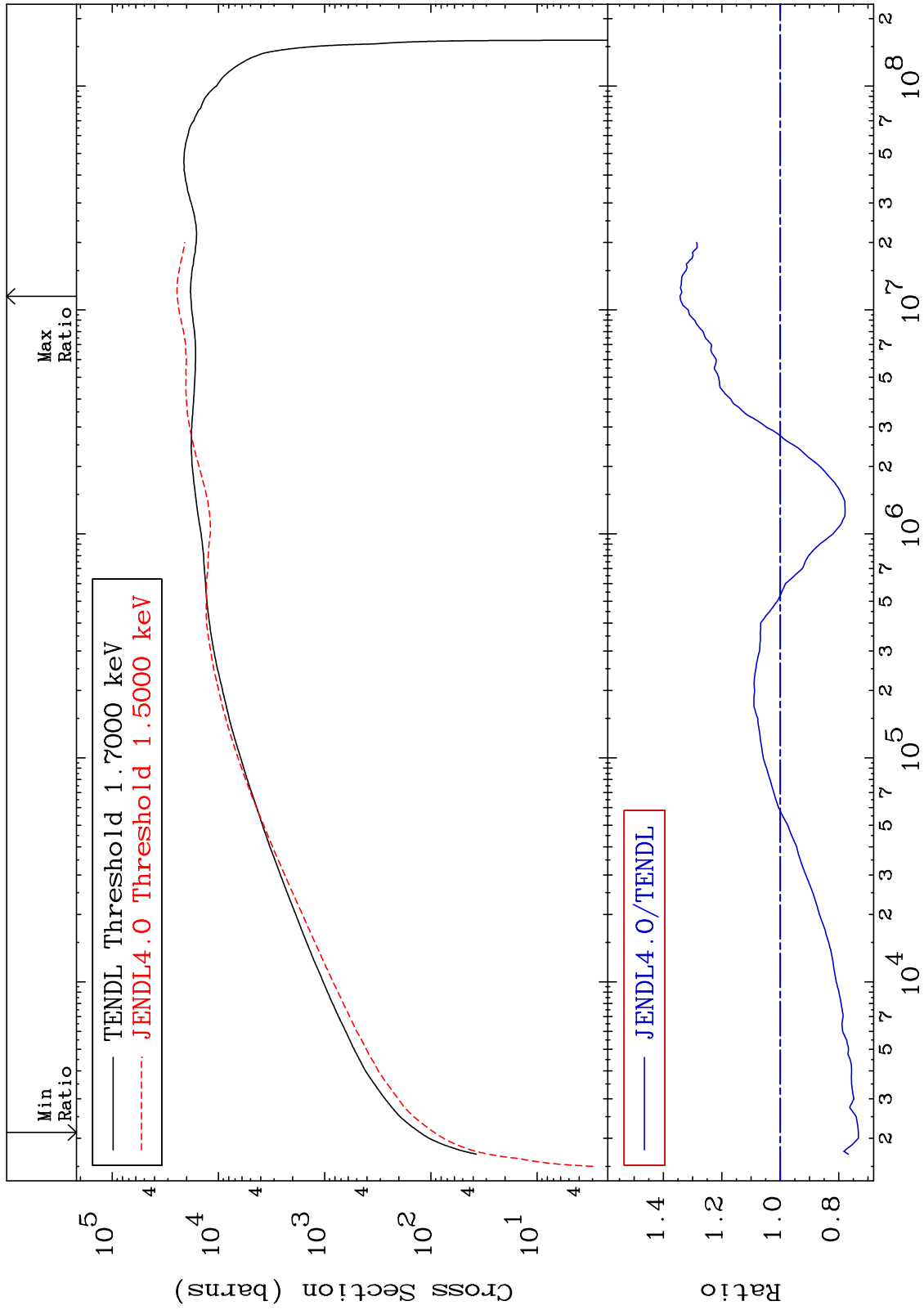
97-Bk-247
-99.99 To 148.0 %



MAT 9746

Dpa elastic (mt2)
Cross Section

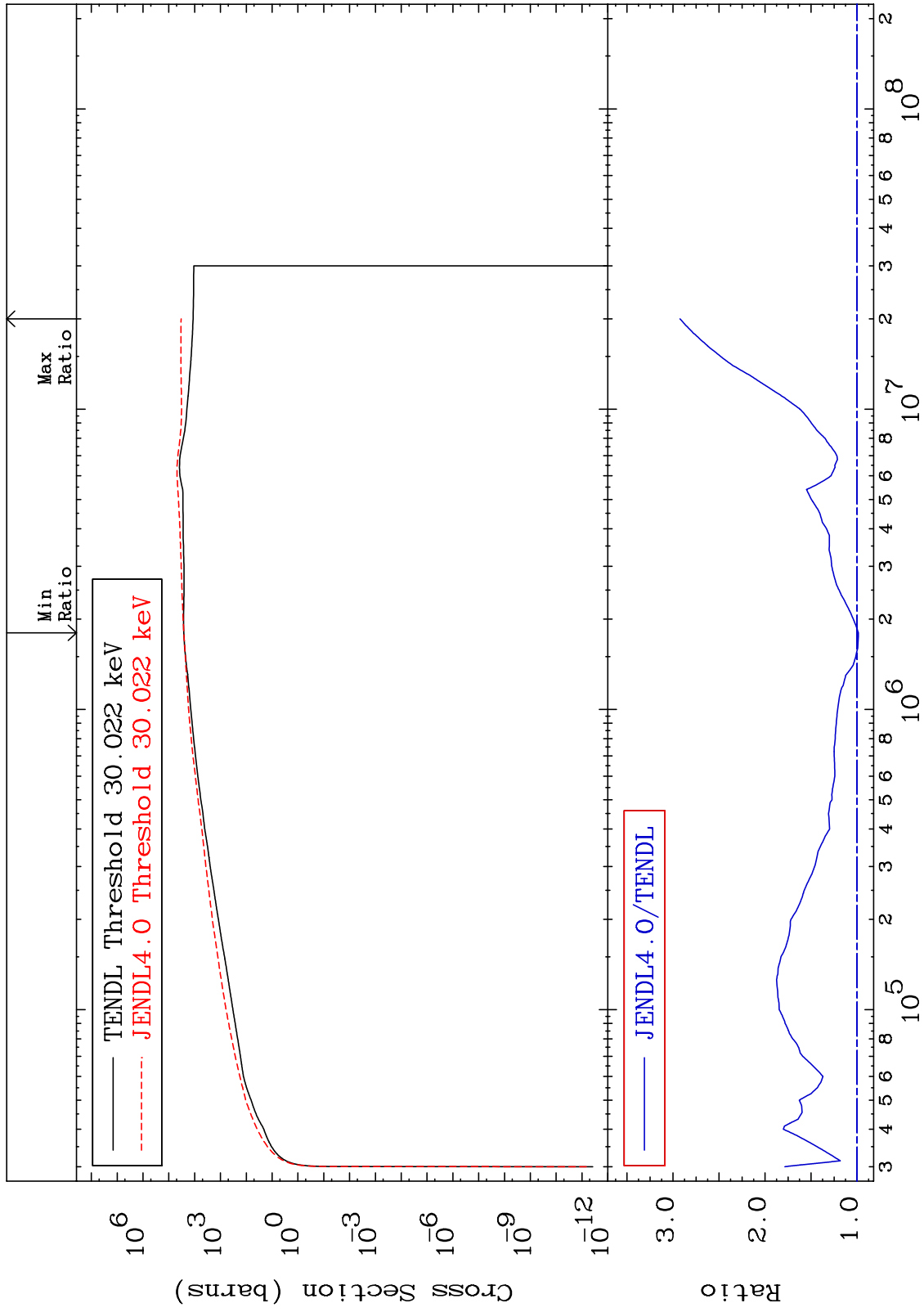
97-Bk-247
-26.73 To 34.31 %



MAT 9746

Dpa inelastic (mt51-91)
Cross Section

97-Bk-247
-1.456 To 192.4 %



MAT 9746

Dpa disappearance (mt102 -120)
Cross Section

97-Bk-247
-100.0 To 9999. %

