

Program Complot
(Version 2018-1)

by

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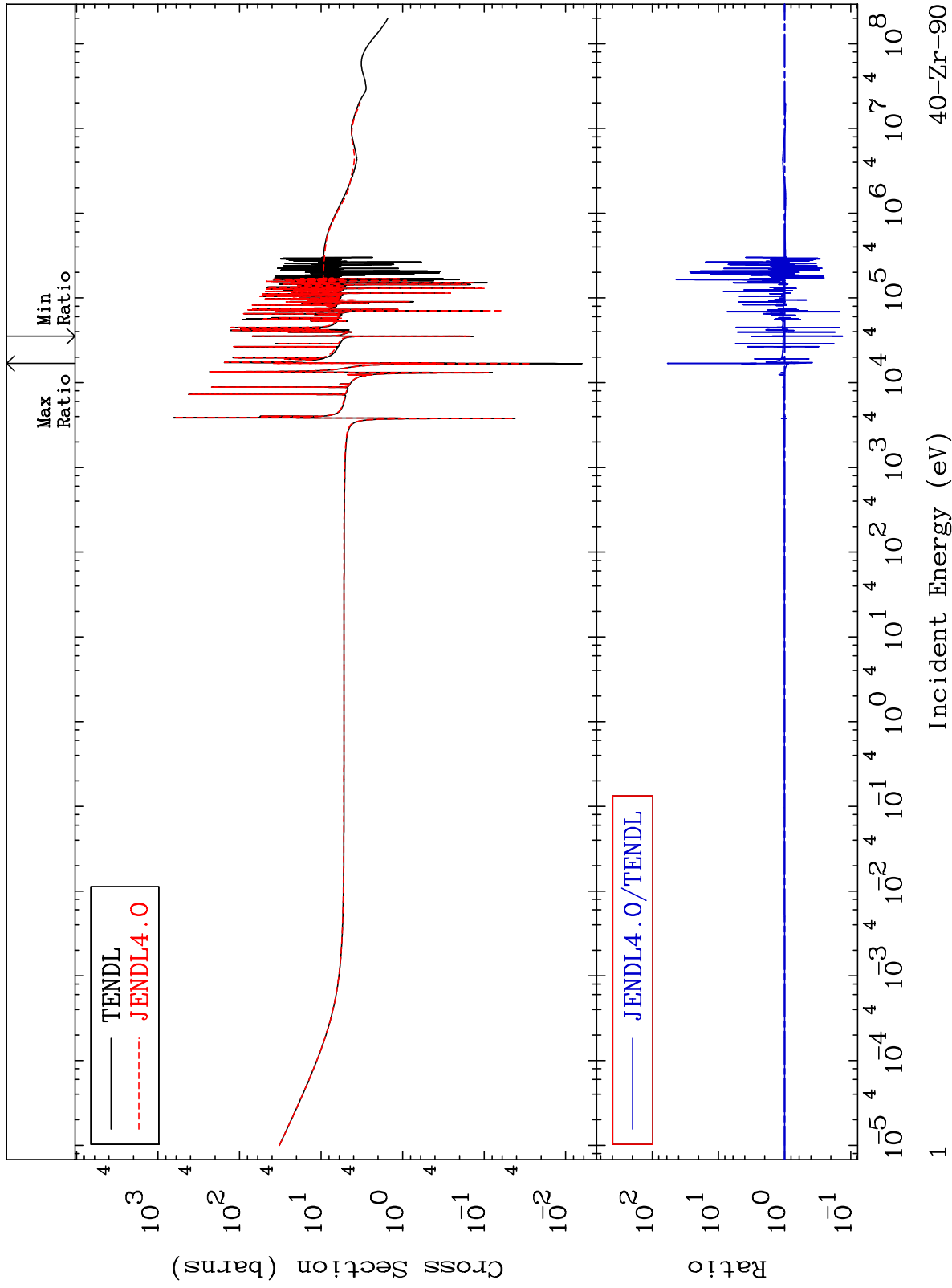
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4025

Total
Cross Section

40-Zr-90
-86.76 To 5763. %

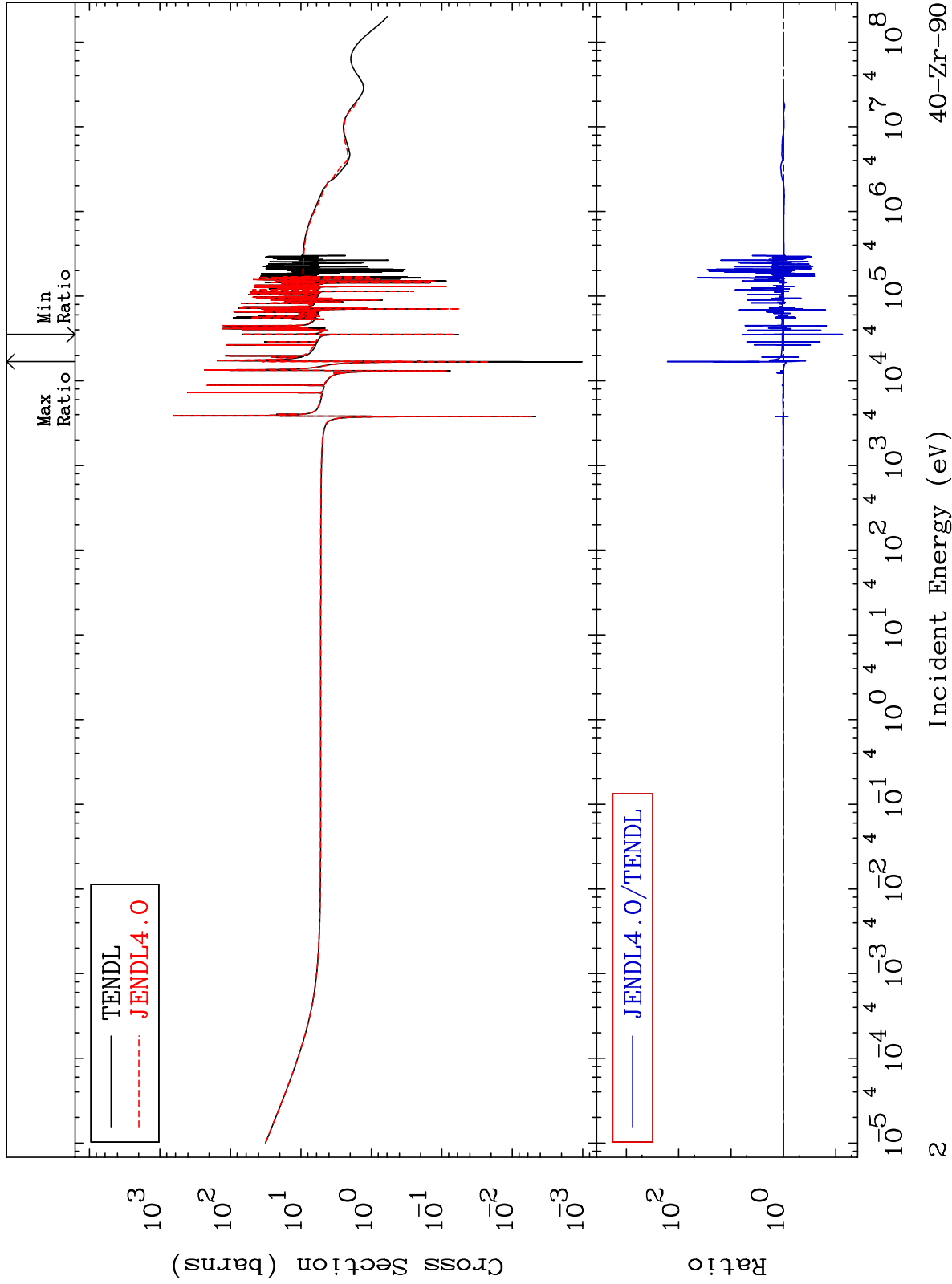


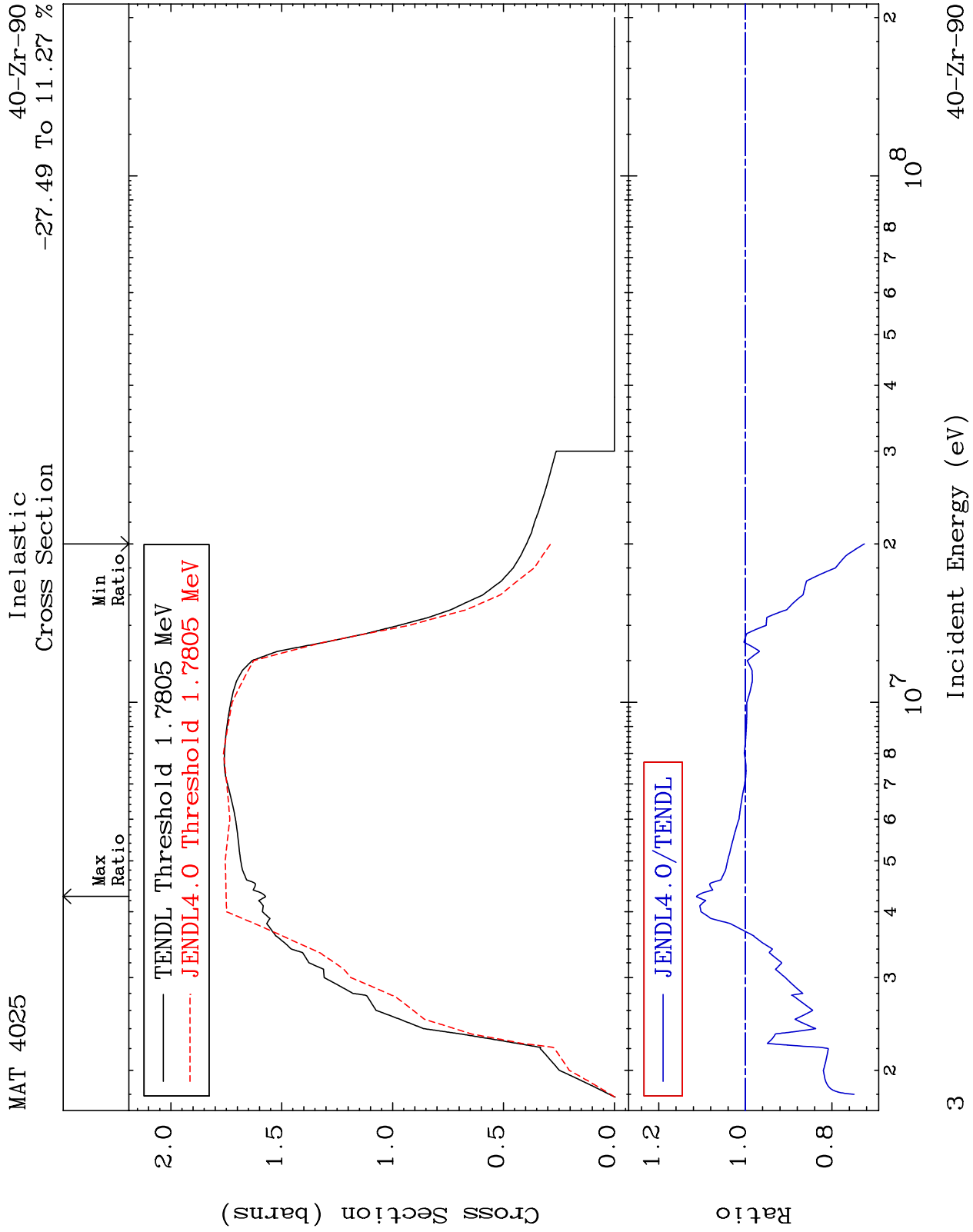
40-Zr-90

MAT 4025

Elastic
Cross Section

40-Zr-90
-92.63 To 9999. %





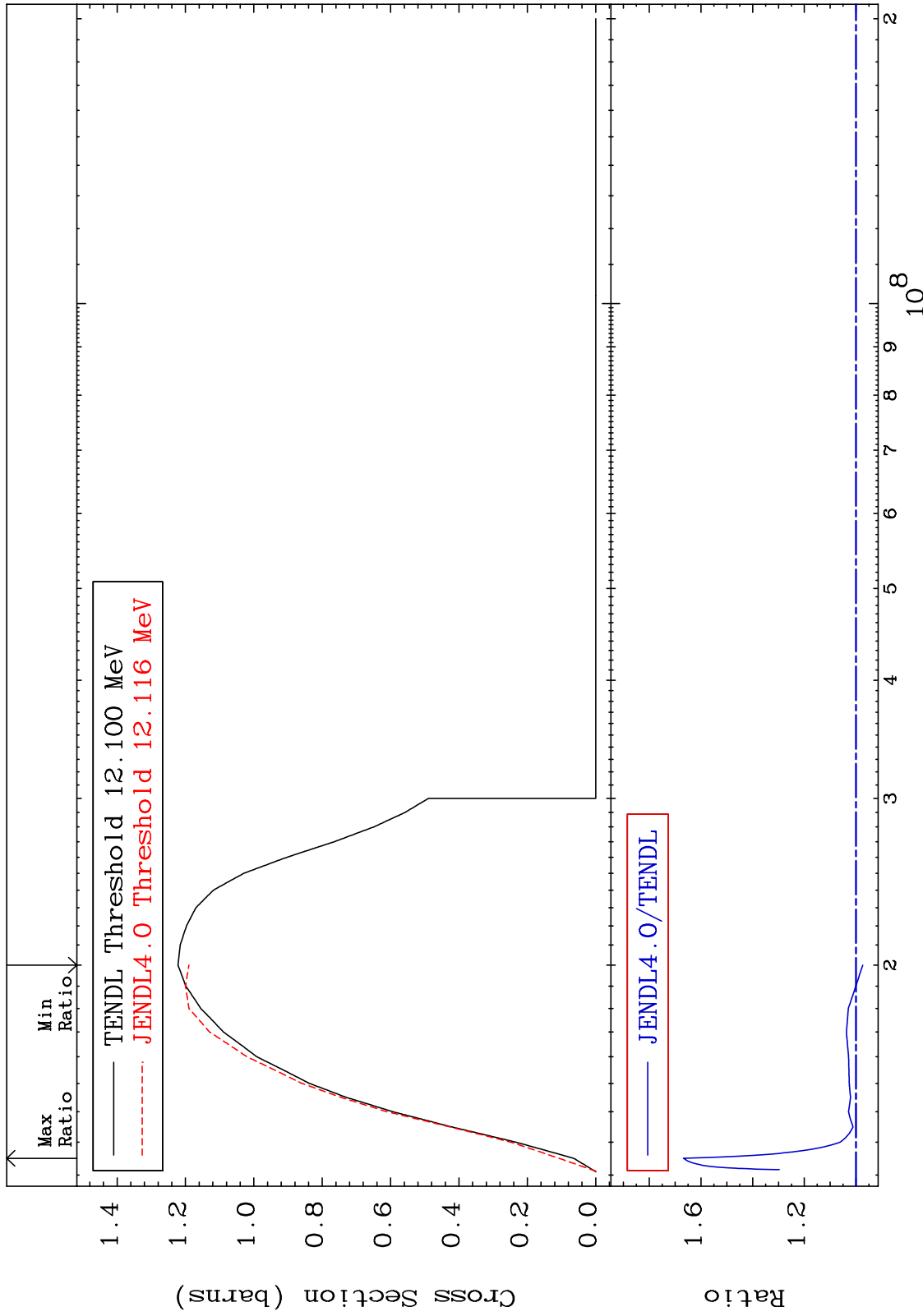
MAT 4025

(n,2n)

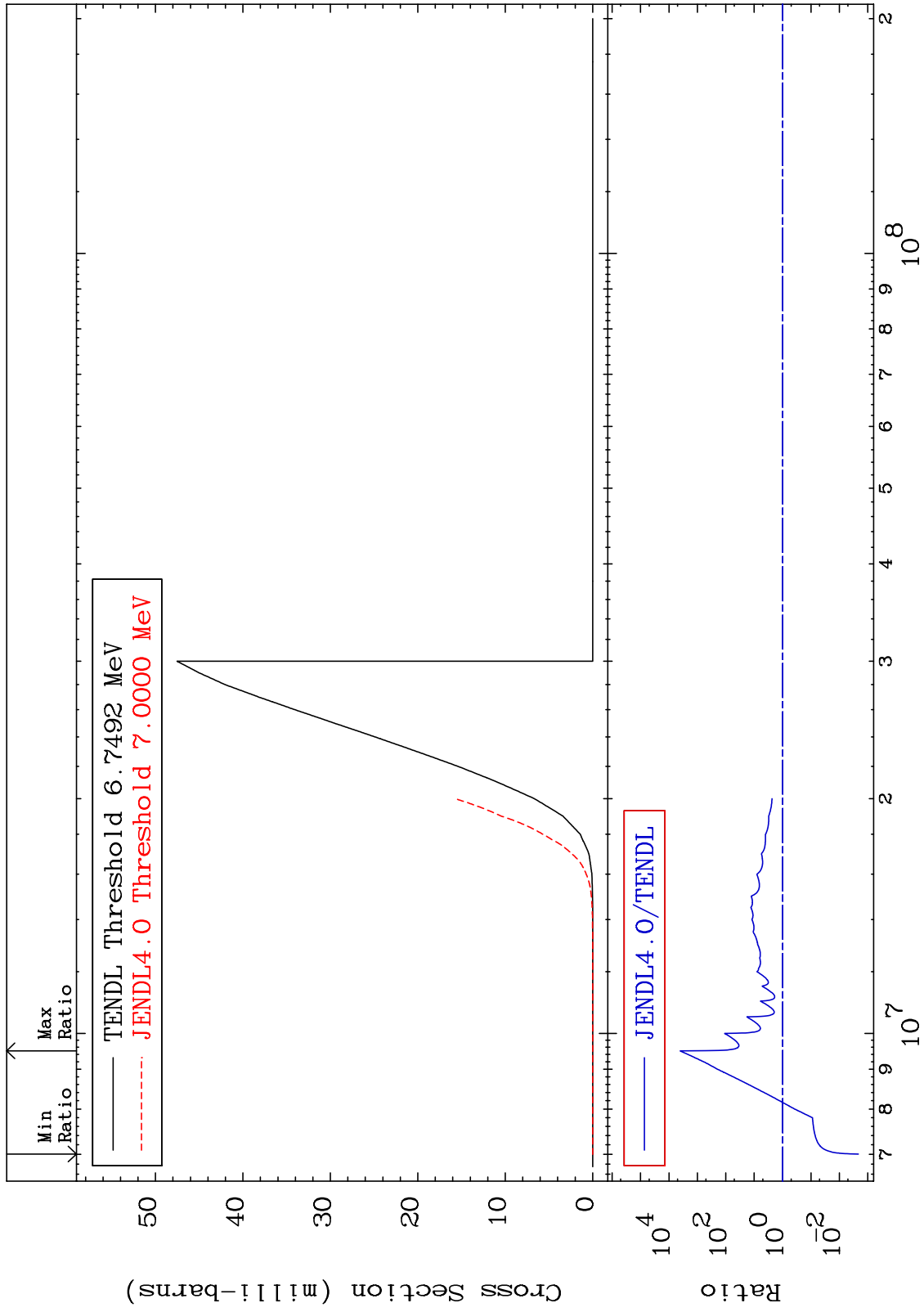
40-Zr-90

Cross Section

-2.621 To 66.74 %



MAT 4025 (n,n') α 40-Zr-90
Cross Section -99.79 To 9999. %



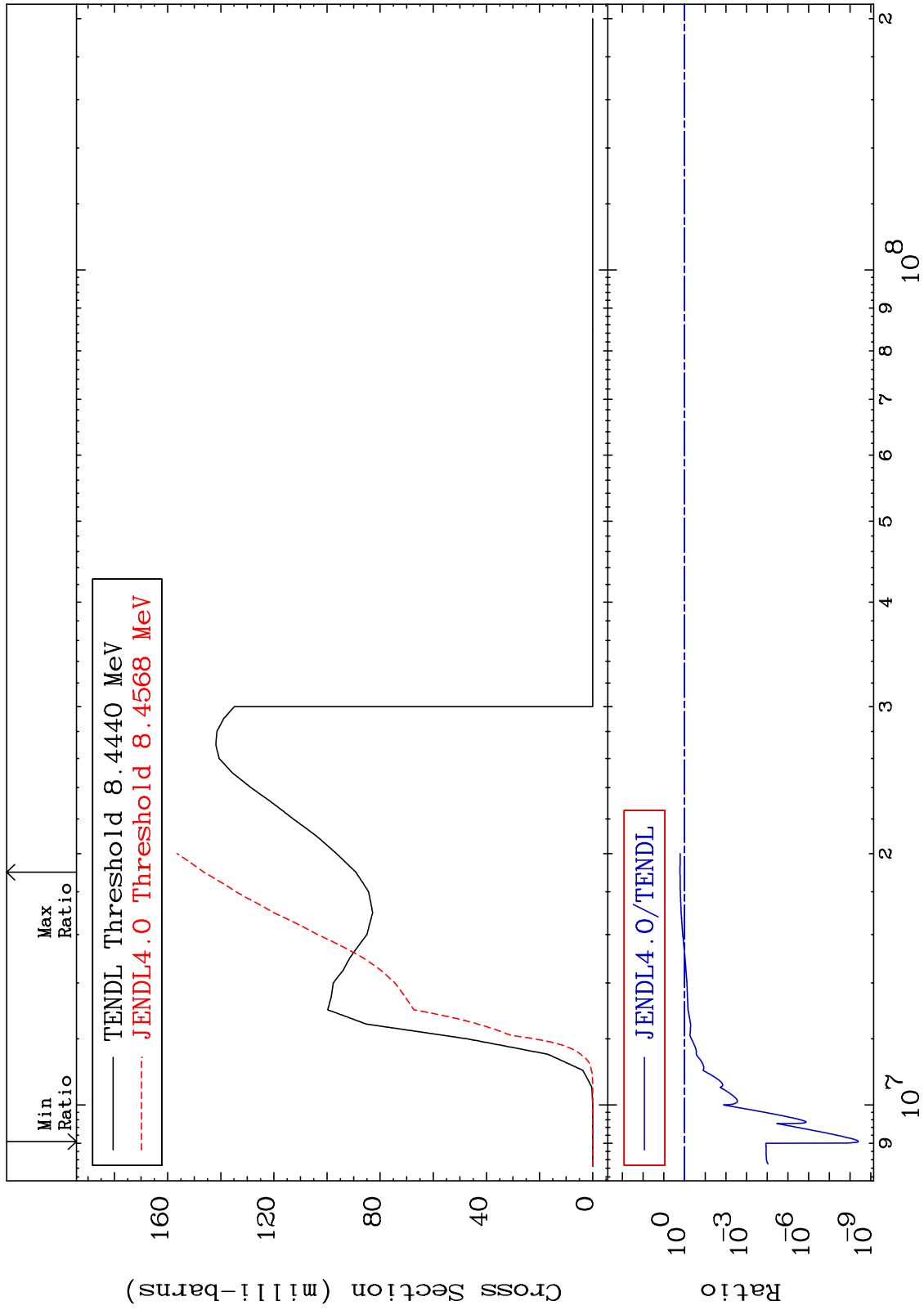
MAT 4025

(n,n') p

40-Zr-90

Cross Section

-100.0 To 64.16 %



6

Incident Energy (eV)

40-Zr-90

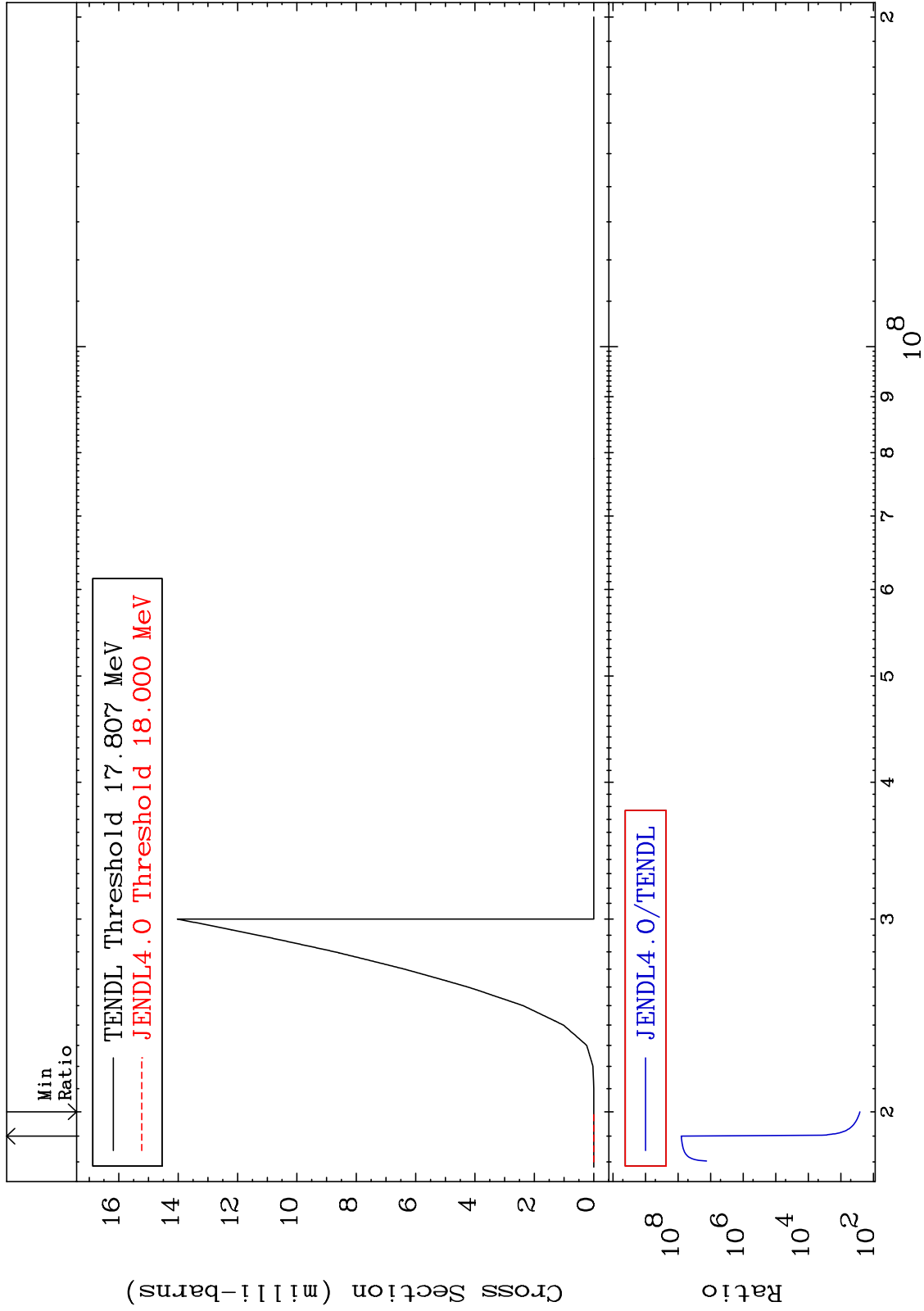
MAT 4025

(n,n') d

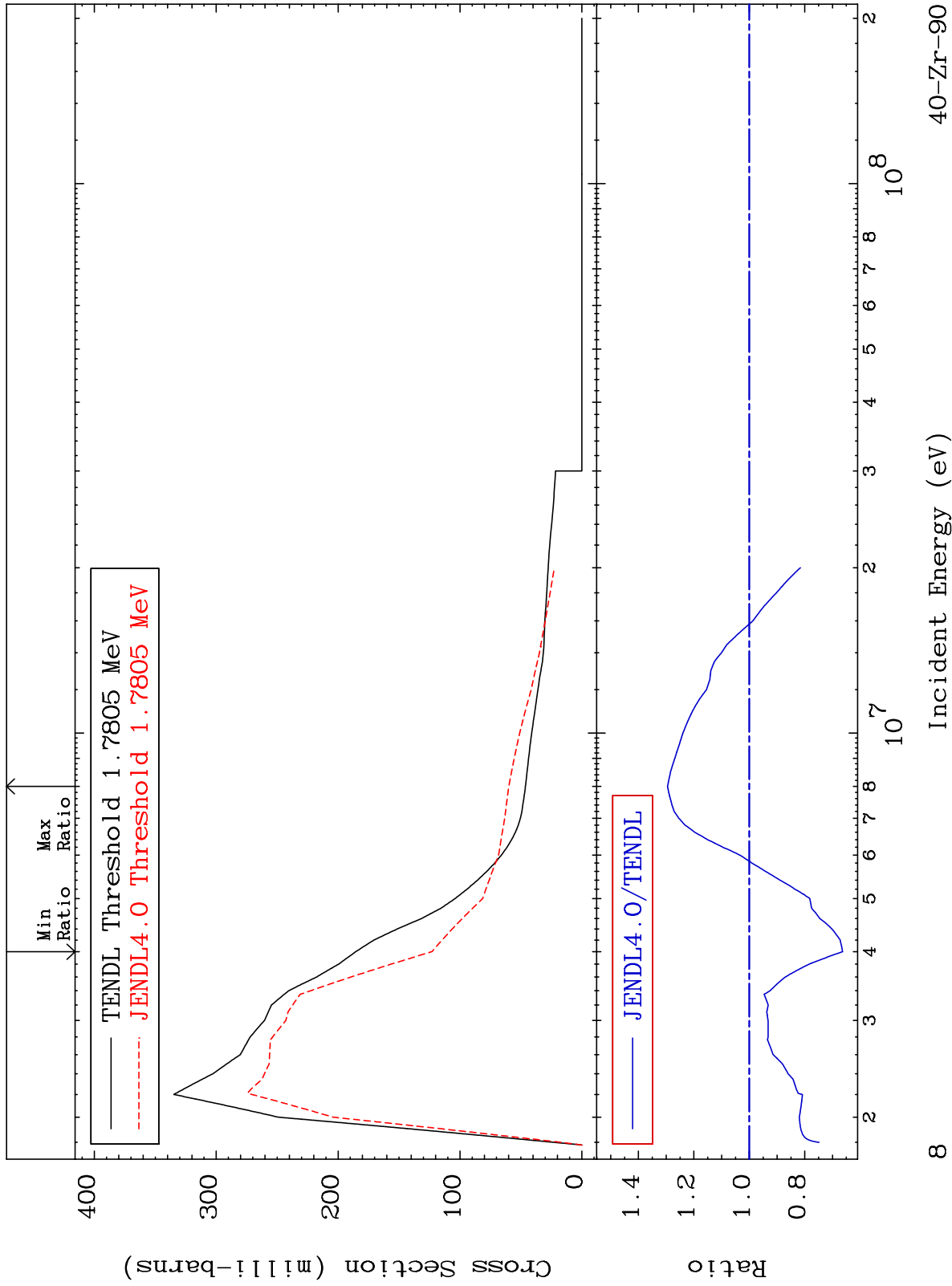
40-Zr-90

Cross Section

9999. To 9999. %



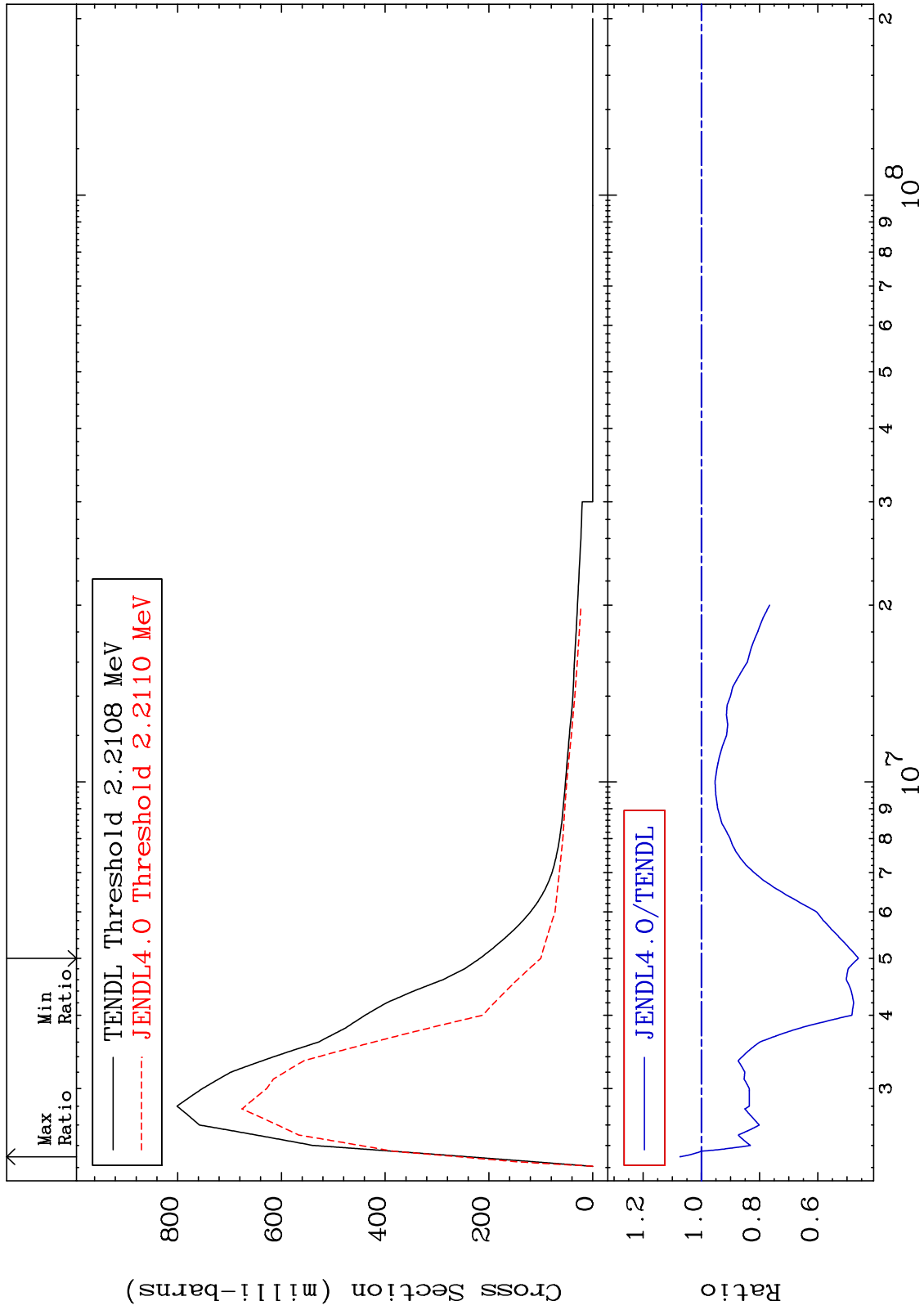
MAT 4025 MT= 51 (n,n') Level 40-Zr-90
 Cross Section -33.67 To 29.51 %



MAT 4025

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

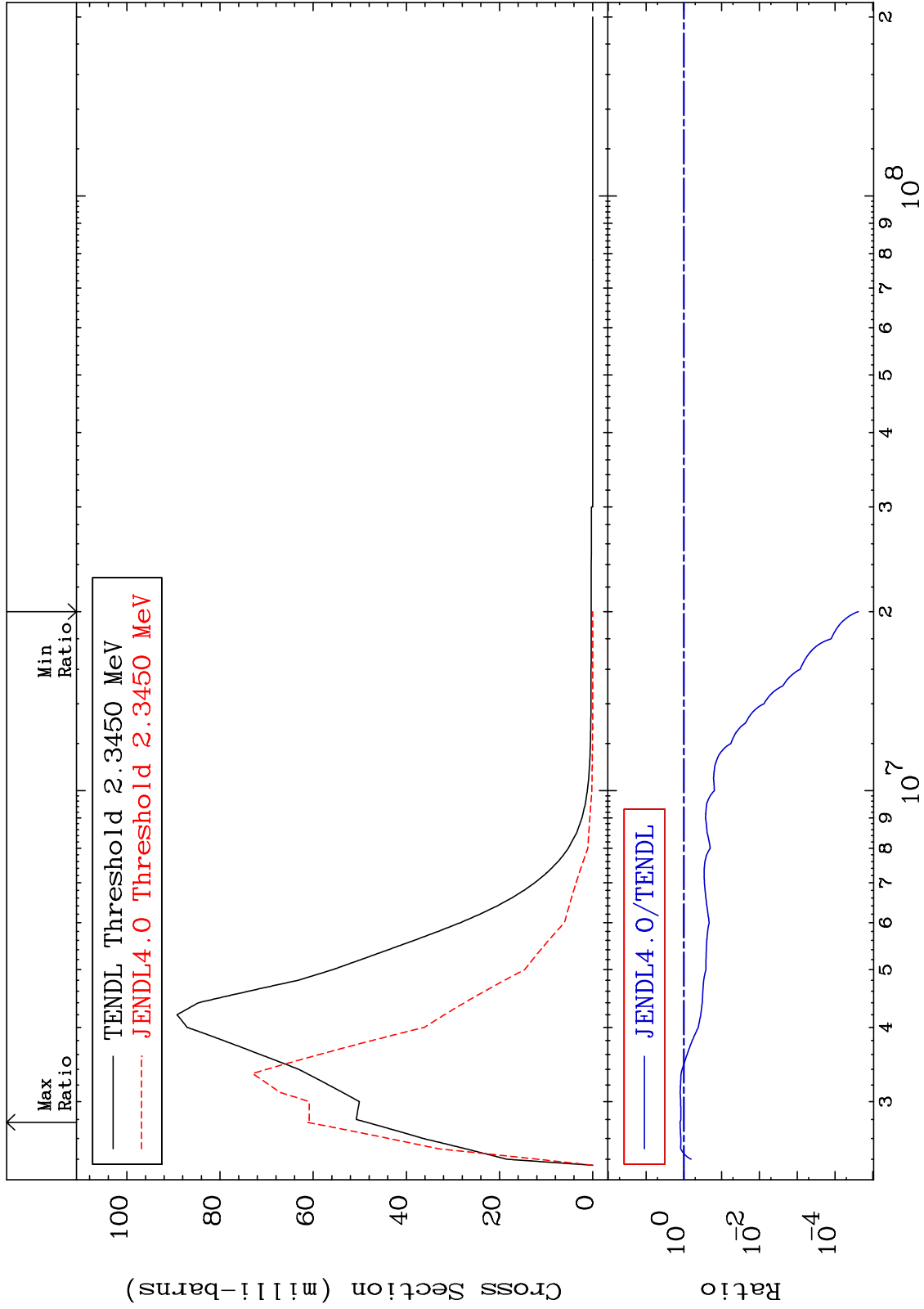
40-Zr-90
-53.93 To 7.348 %



MAT 4025

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

40-Zr-90
-100.0 To 26.24 %

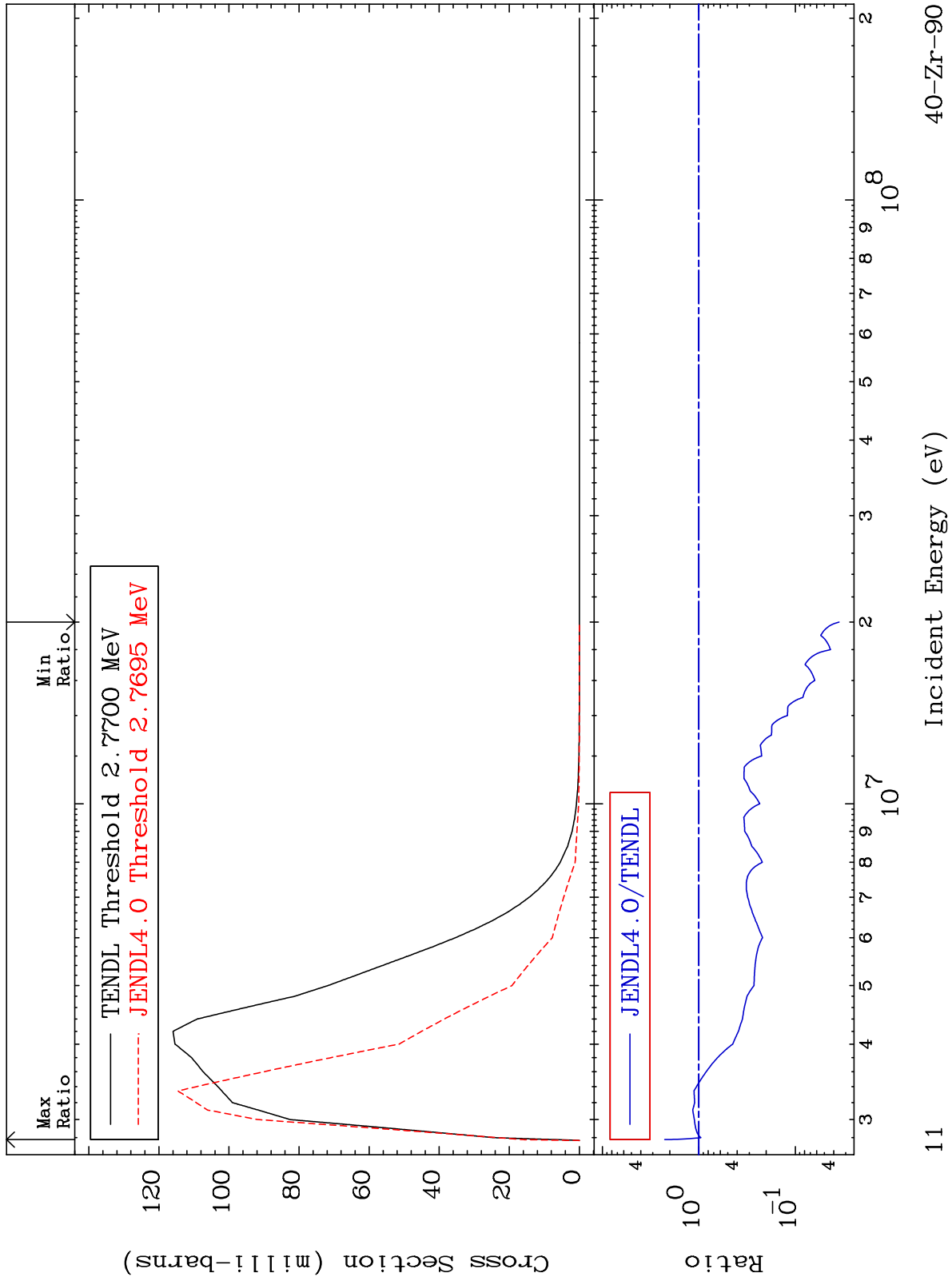


10

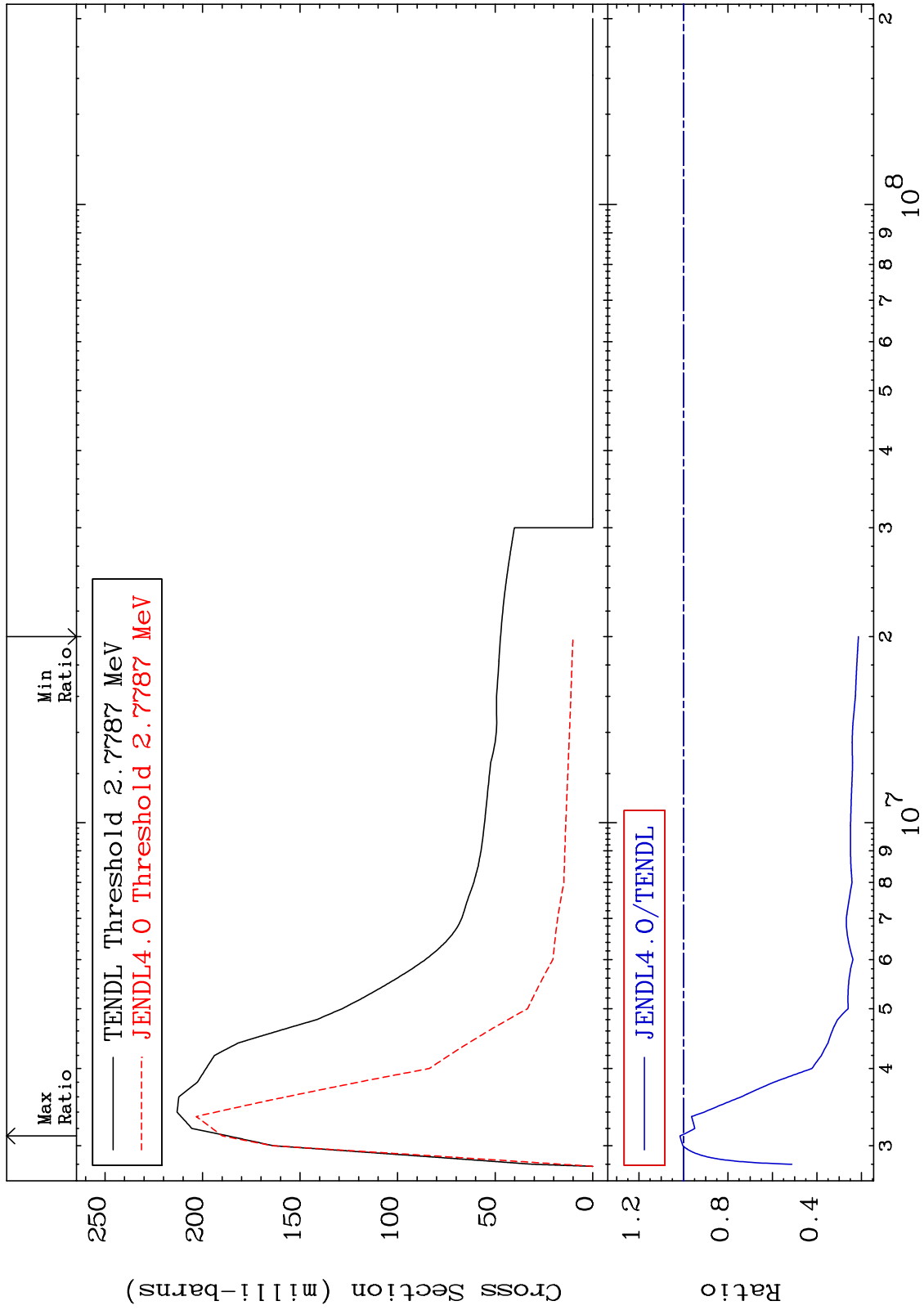
Incident Energy (eV)

40-Zr-90

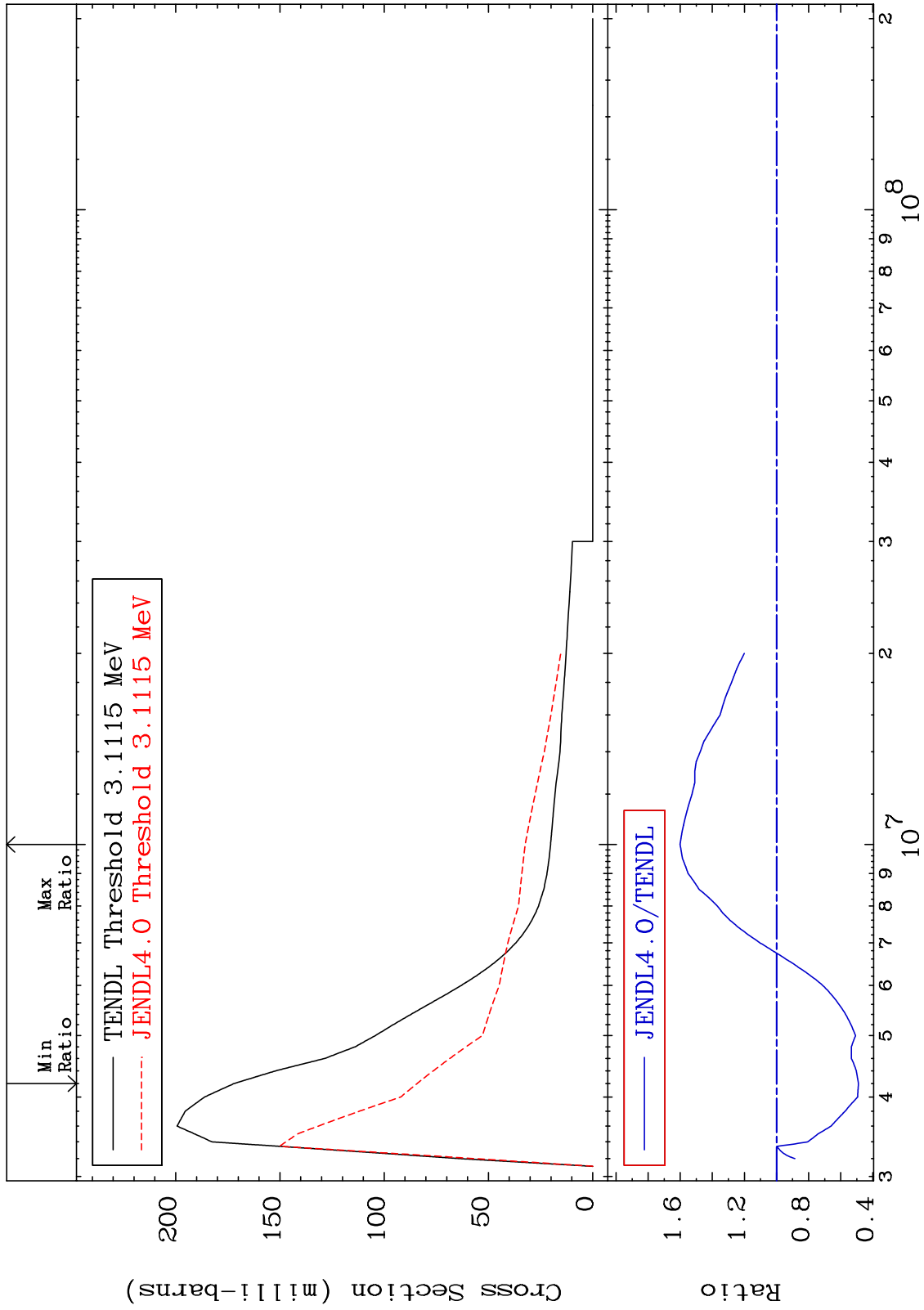
MAT 4025 MT= 54 (n,n') Level Cross Section 40-Zr-90 -96.49 To 125.7 %

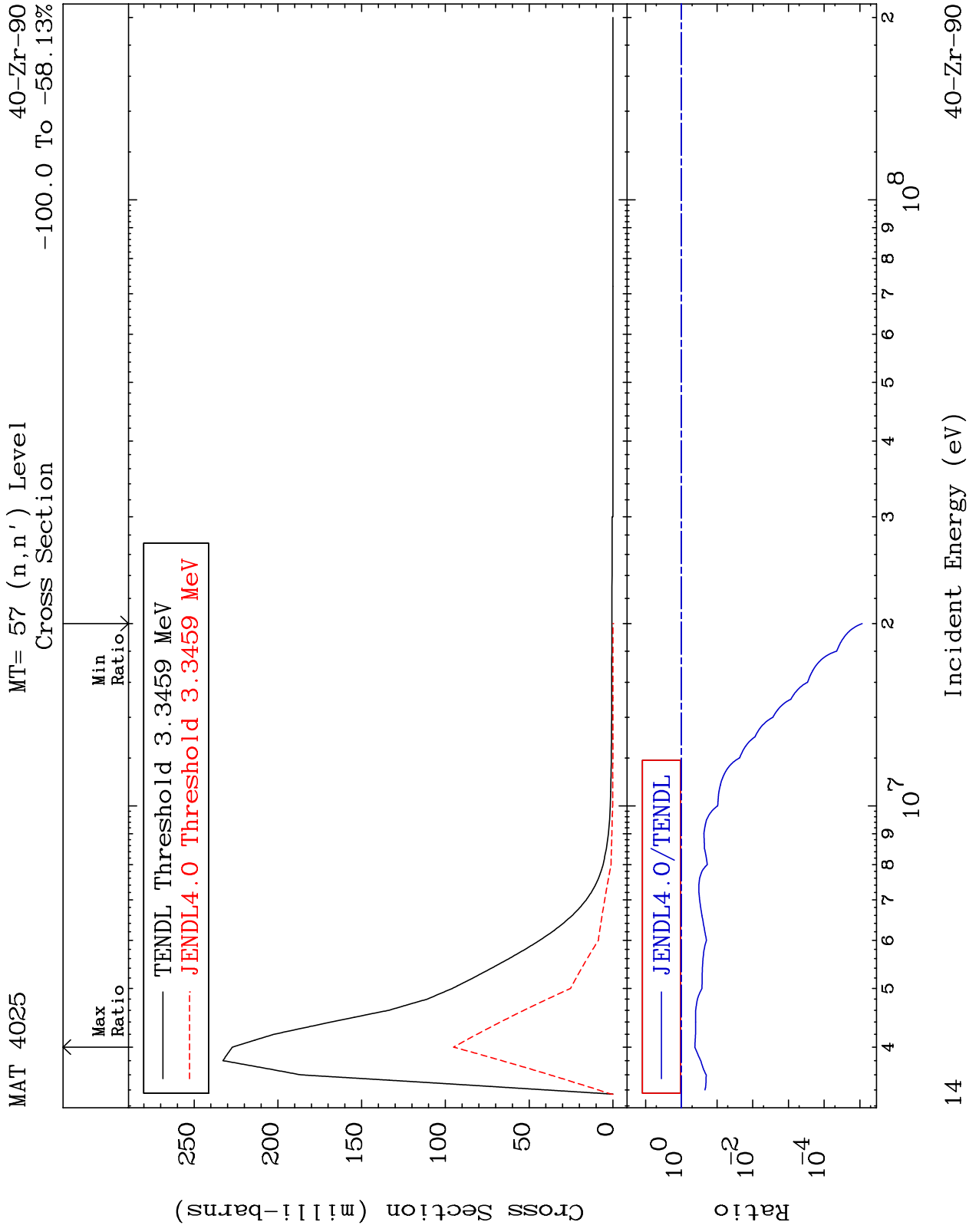


MAT 4025 MT= 55 (n,n') Level 40-Zr-90
Cross Section -78.63 To 1.538 %



MAT 4025 MT= 56 (n,n') Level
 Cross Section 40-Zr-90
 -51.02 To 60.13 %

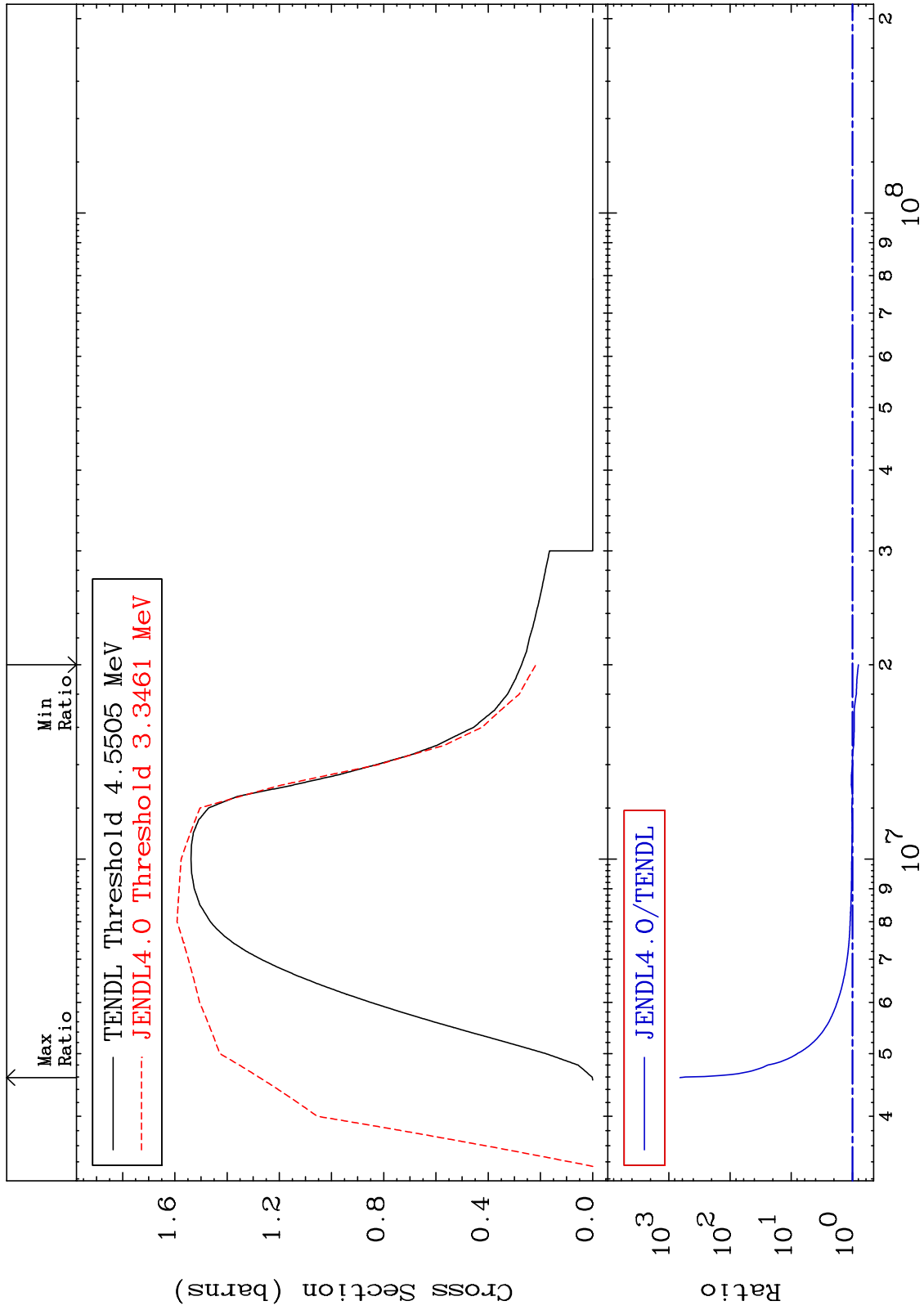




MAT 4025

(n,n') Continuum
Cross Section

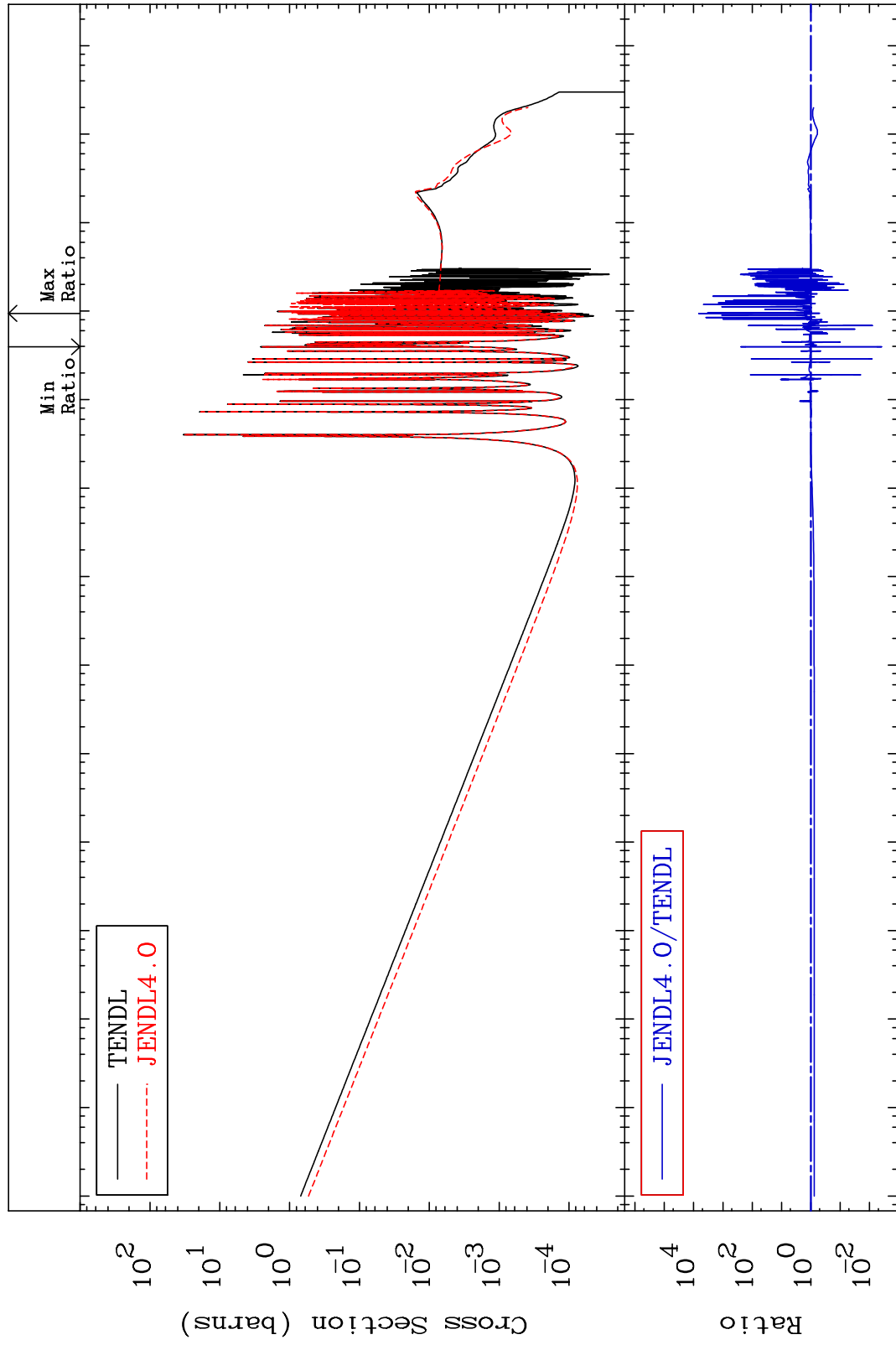
40-Zr-90
-20.34 To 9999. %



MAT 4025

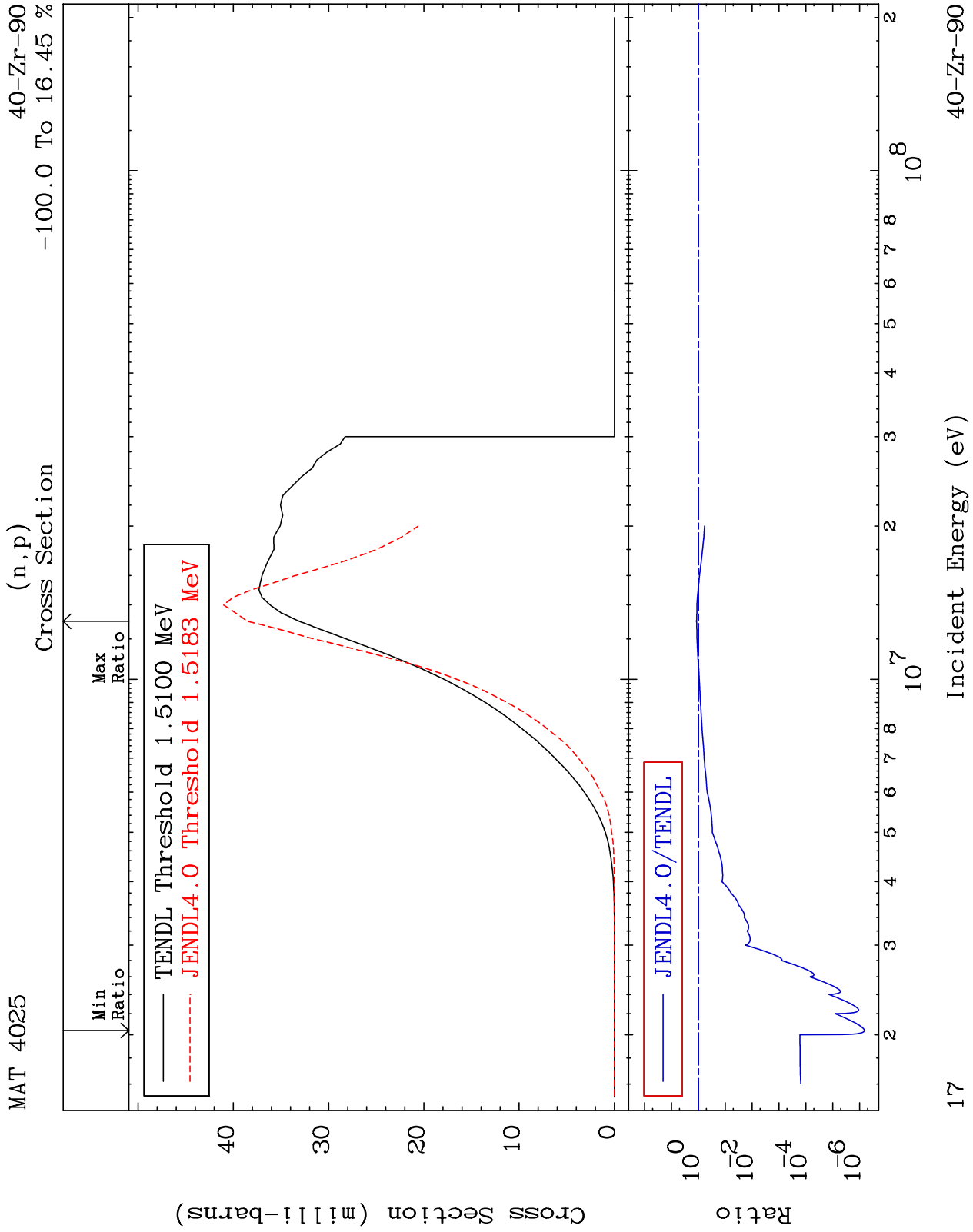
(n, γ)
Cross Section

40-Zr-90
-99.61 To 9999. %



40-Zr-90

Incident Energy (eV)



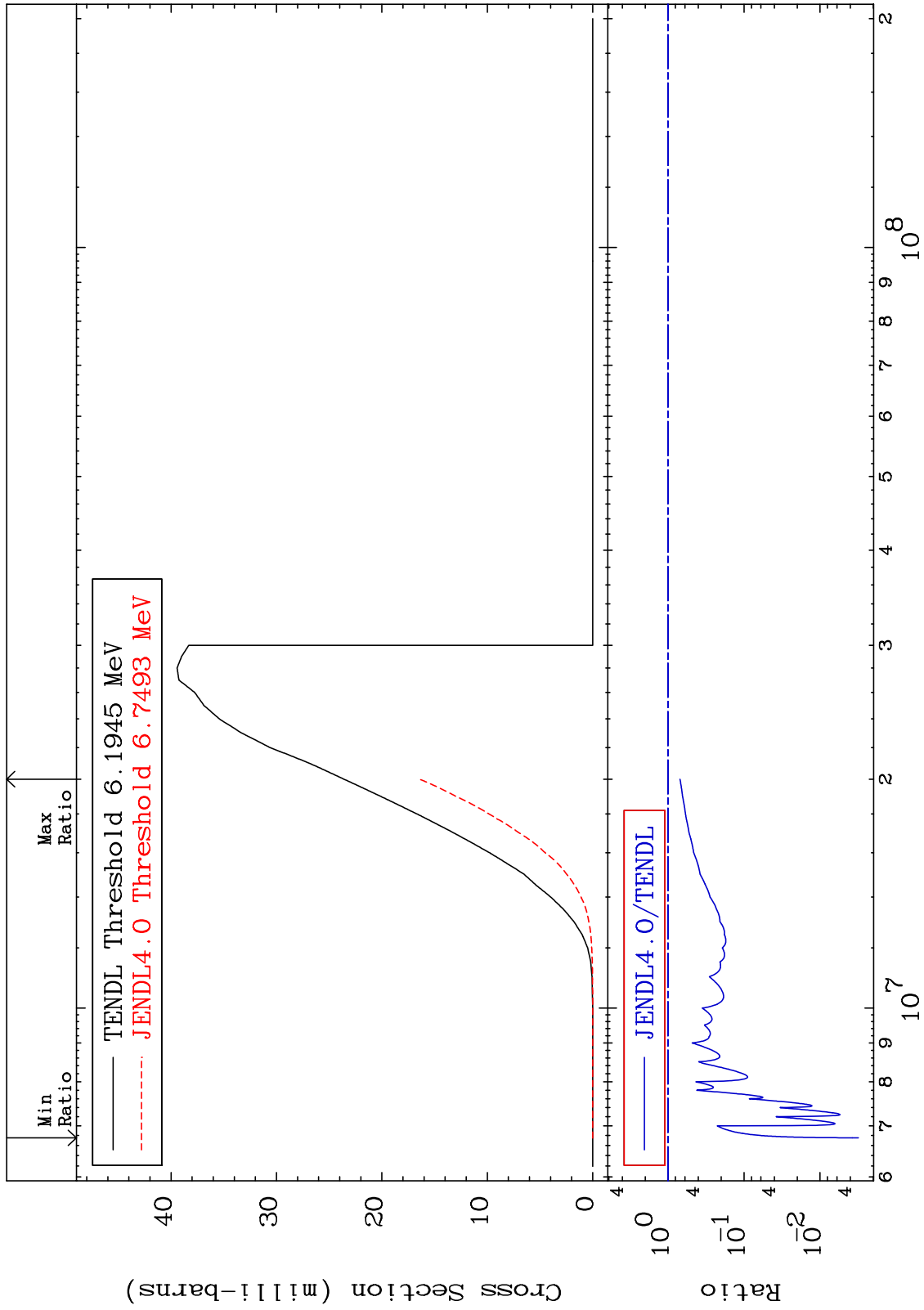
MAT 4025

(n, d)

40-Zr-90

Cross Section

-99.69 To -30.41%



18

Incident Energy (eV)

40-Zr-90

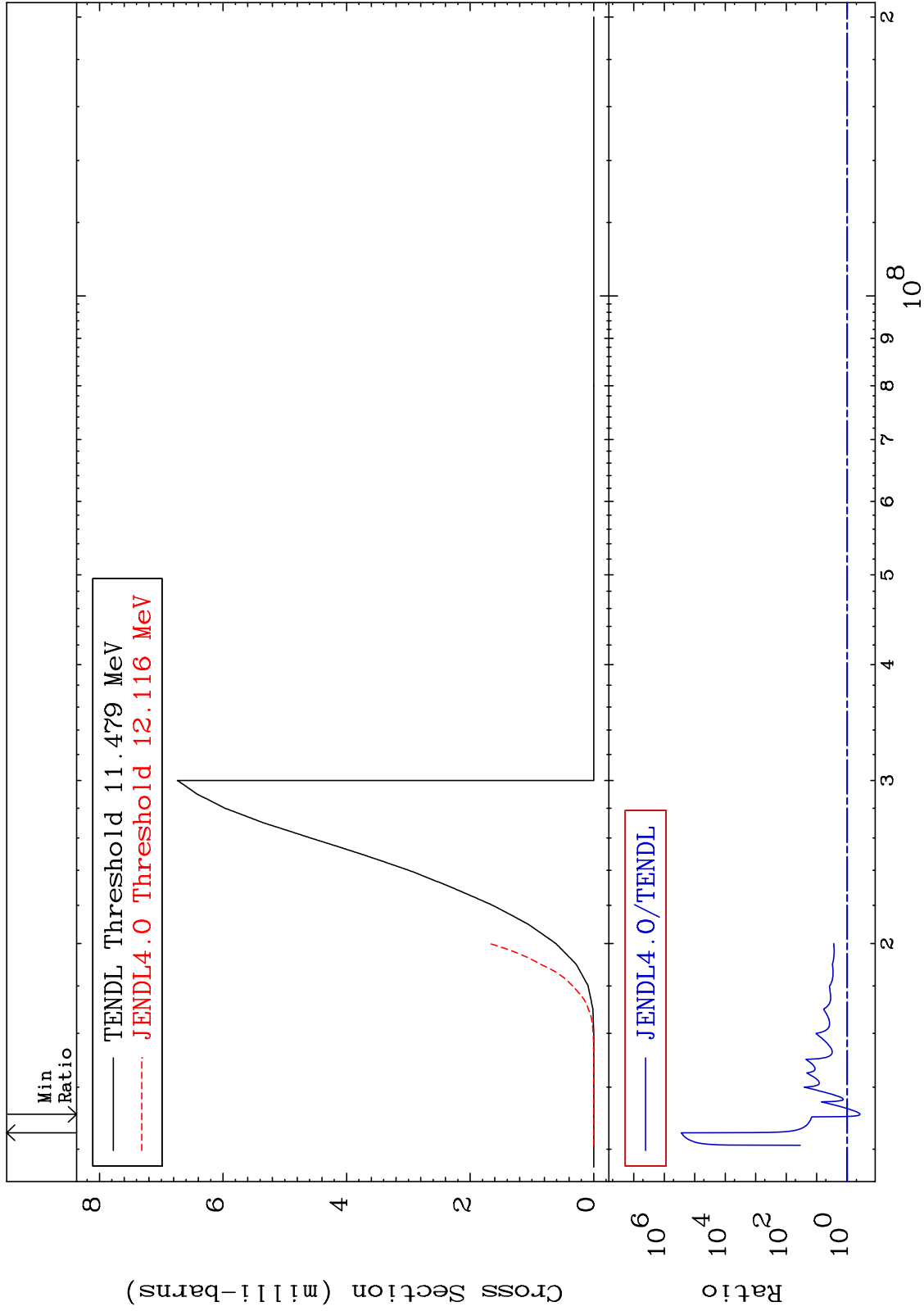
MAT 4025

(n, t)

40-Zr-90

Cross Section

-62.04 To 9999. %



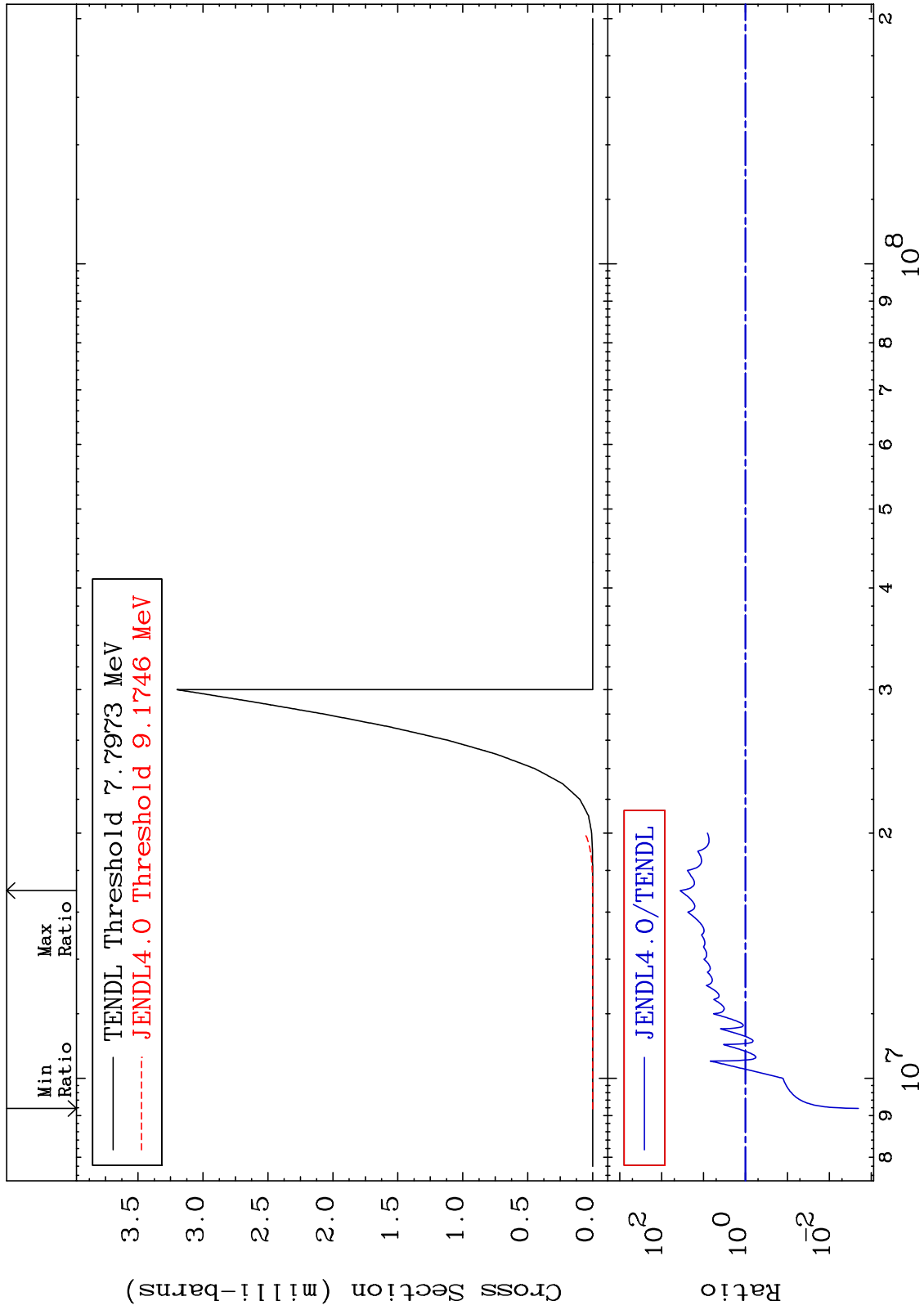
MAT 4025

(n, He-3)

40-Zr-90

Cross Section

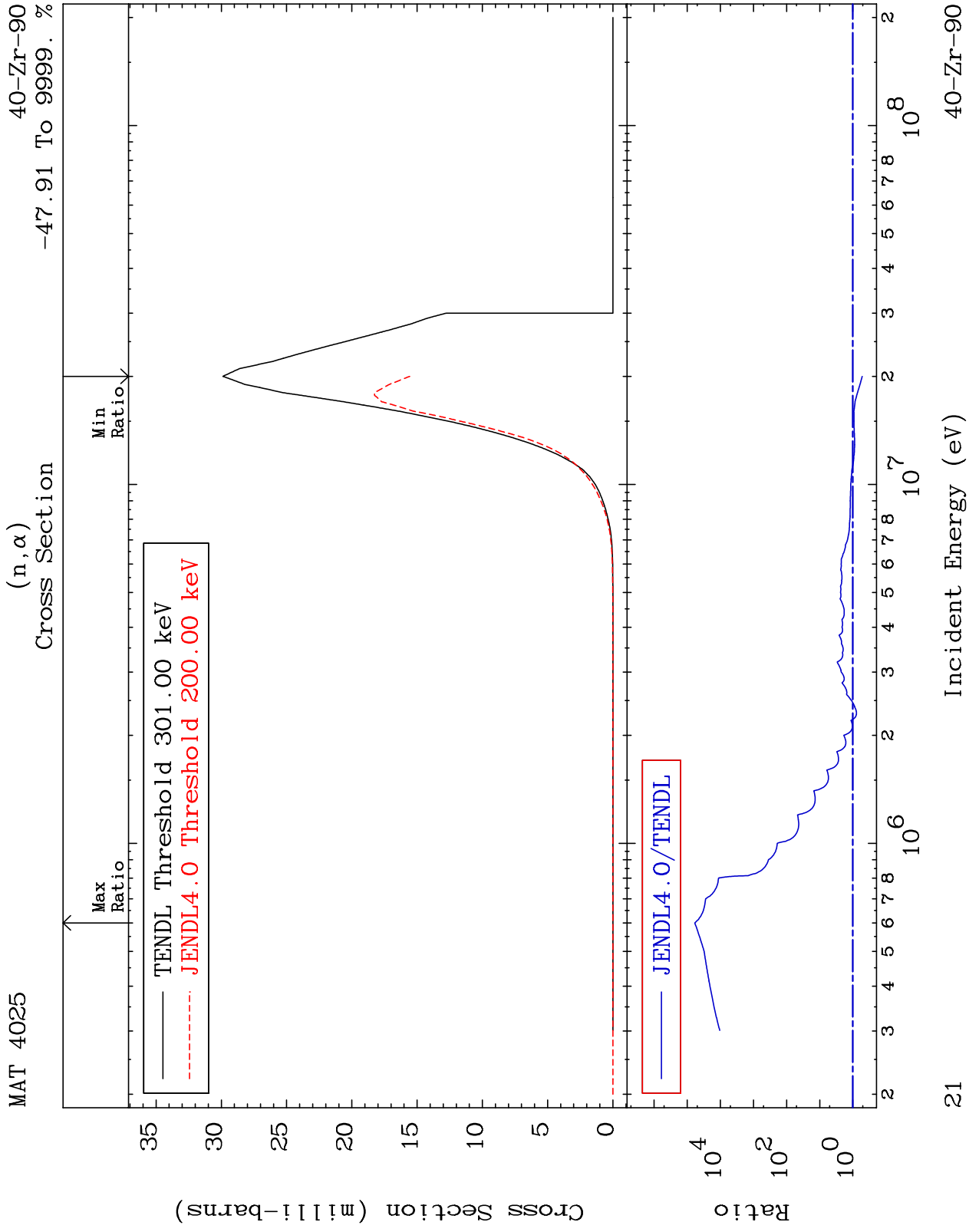
-99.80 To 3538. %



20

Incident Energy (eV)

40-Zr-90



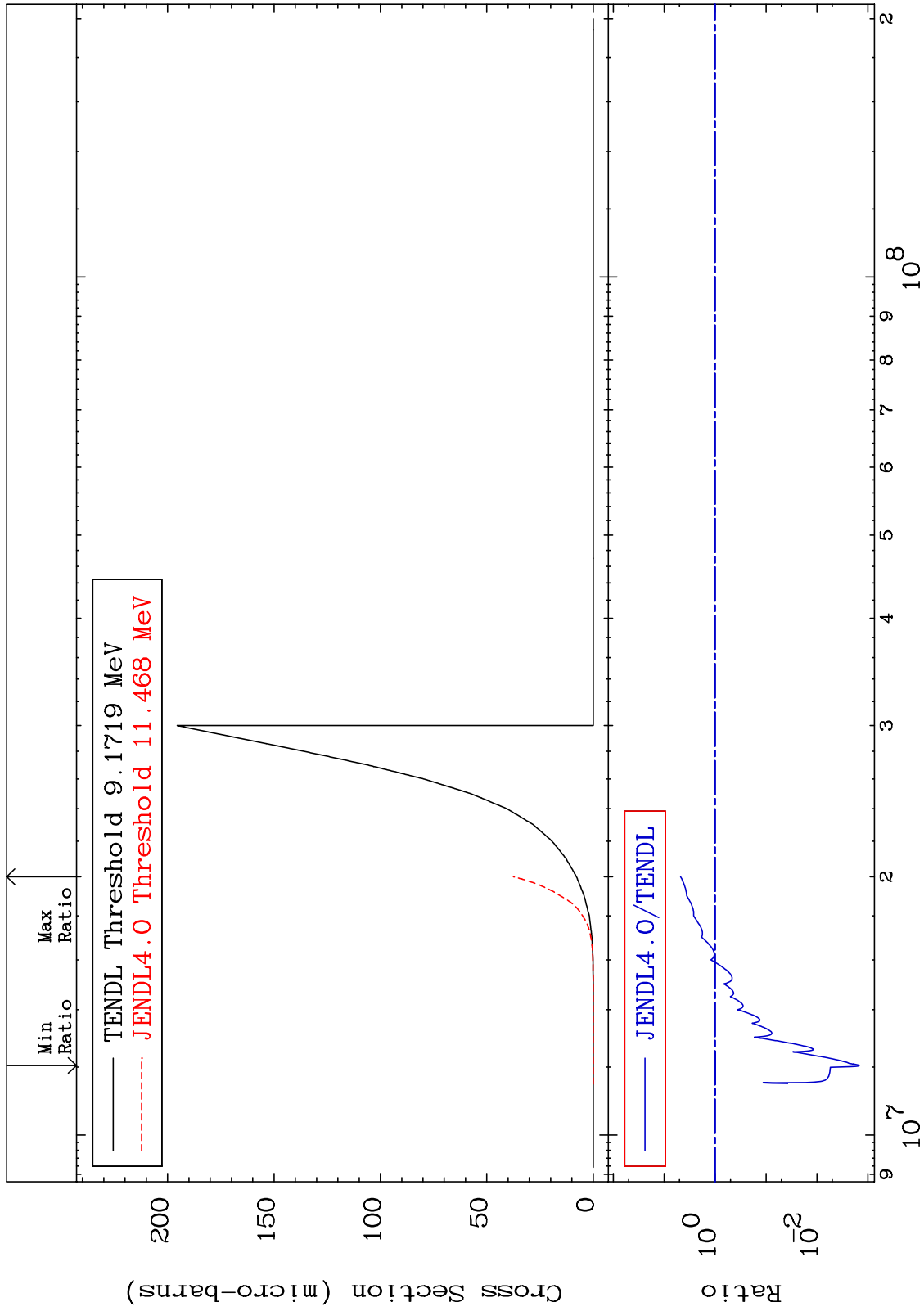
MAT 4025

(n,2p)

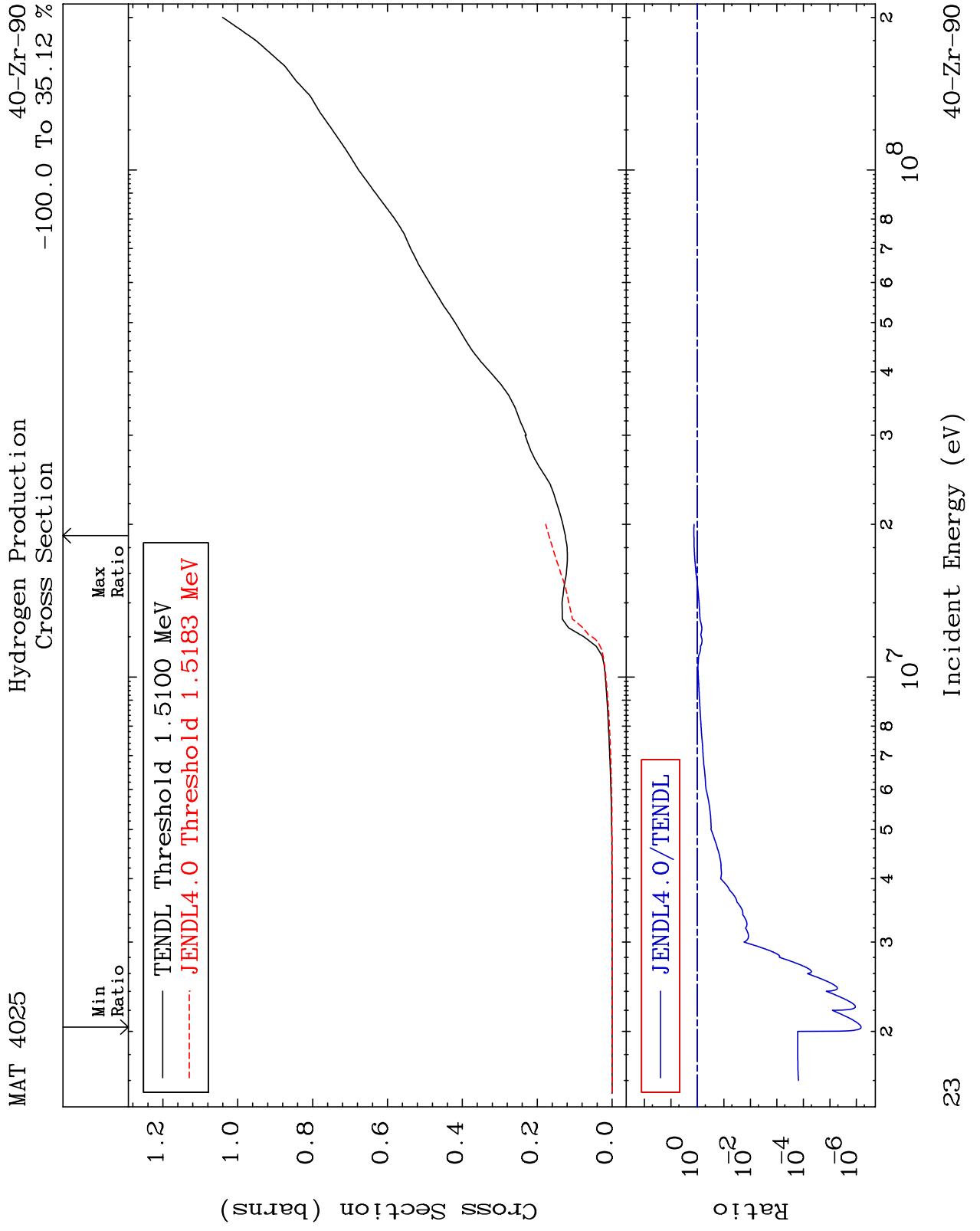
40-Zr-90

Cross Section

-99.85 To 376.1 %



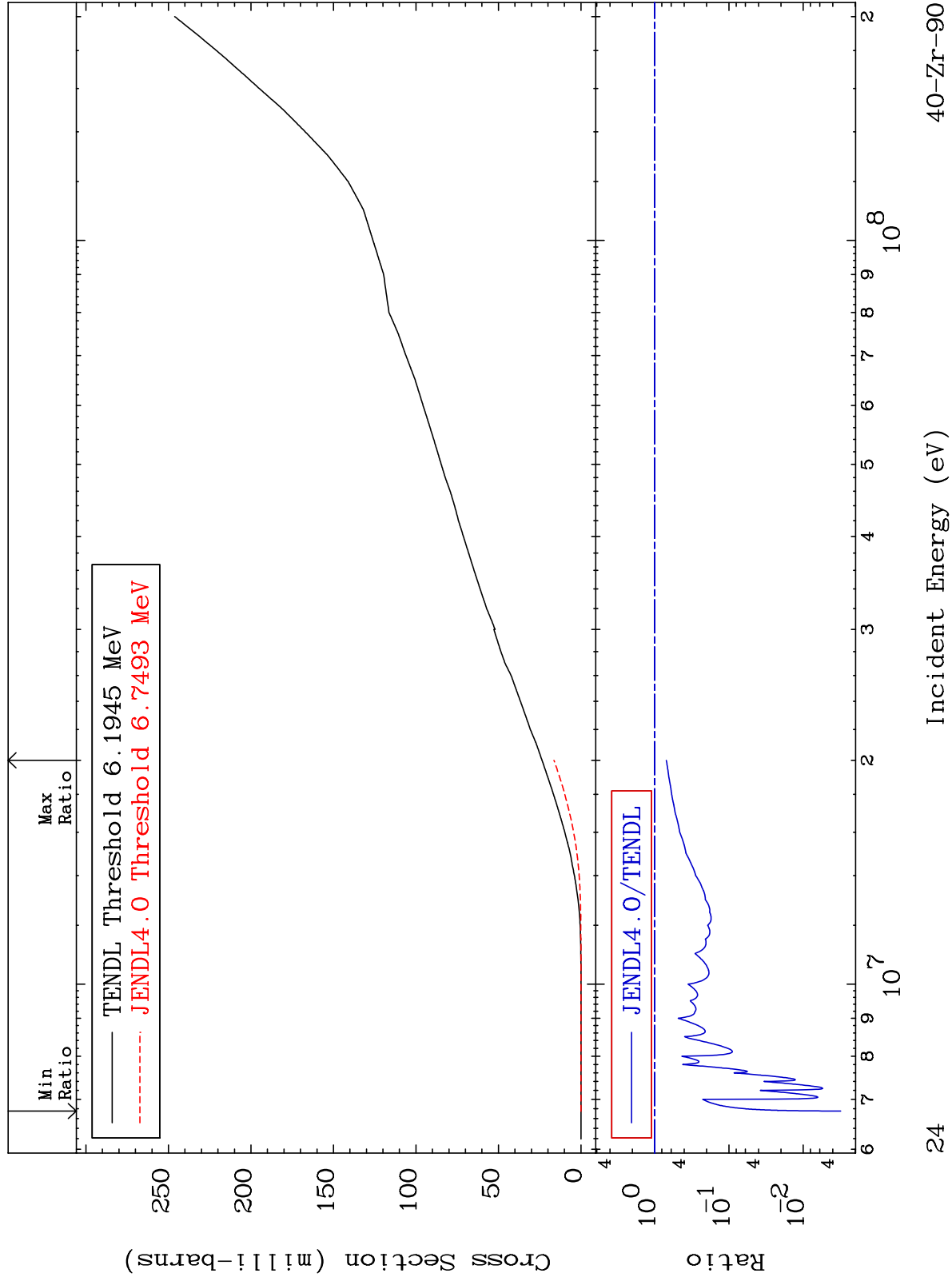
22



MAT 4025

Deuterium Production
Cross Section

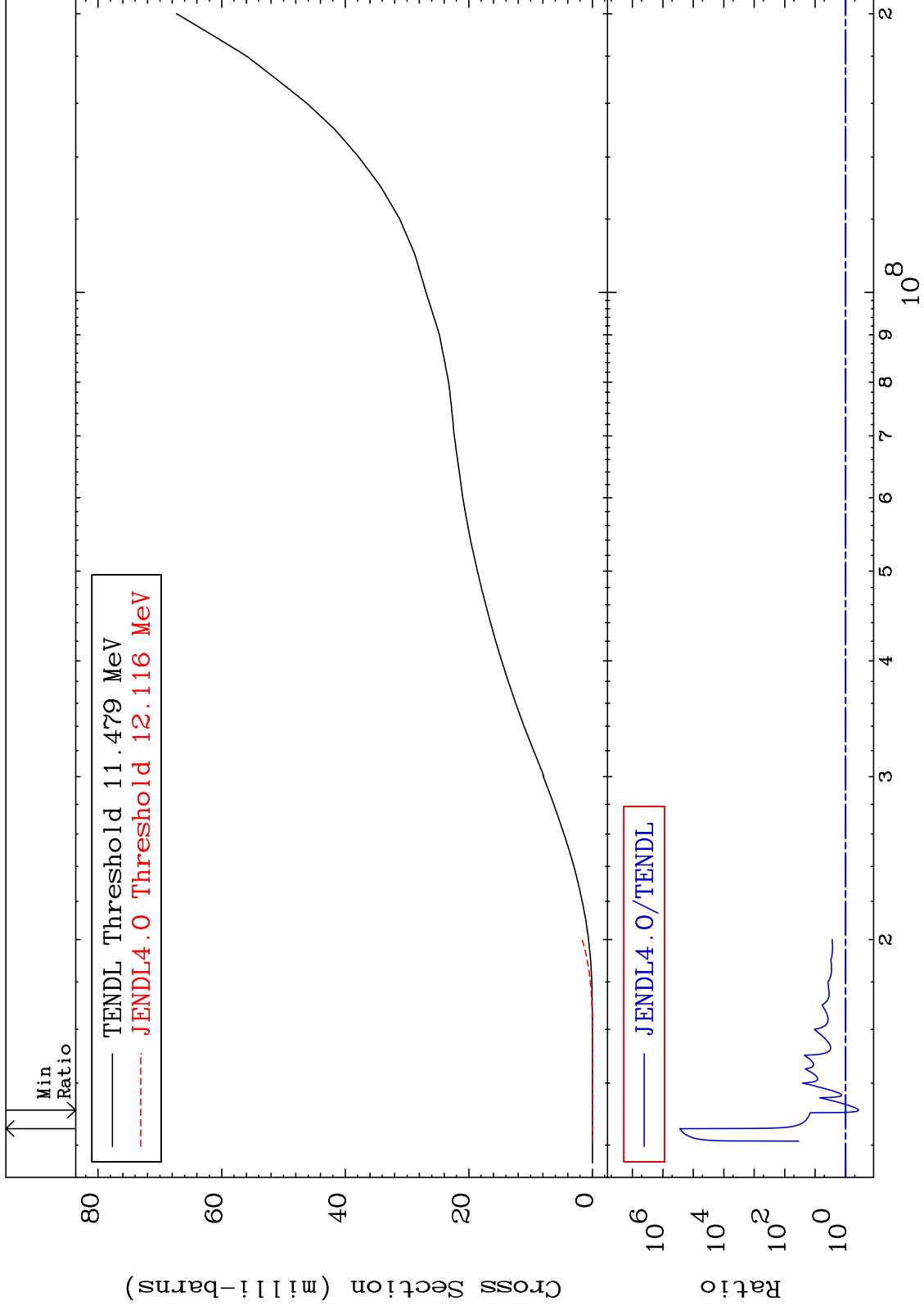
40-Zr-90
-99.69 To -30.41%



MAT 4025

Tritium Production
Cross Section

40-Zr-90
-62.04 To 9999. %



25

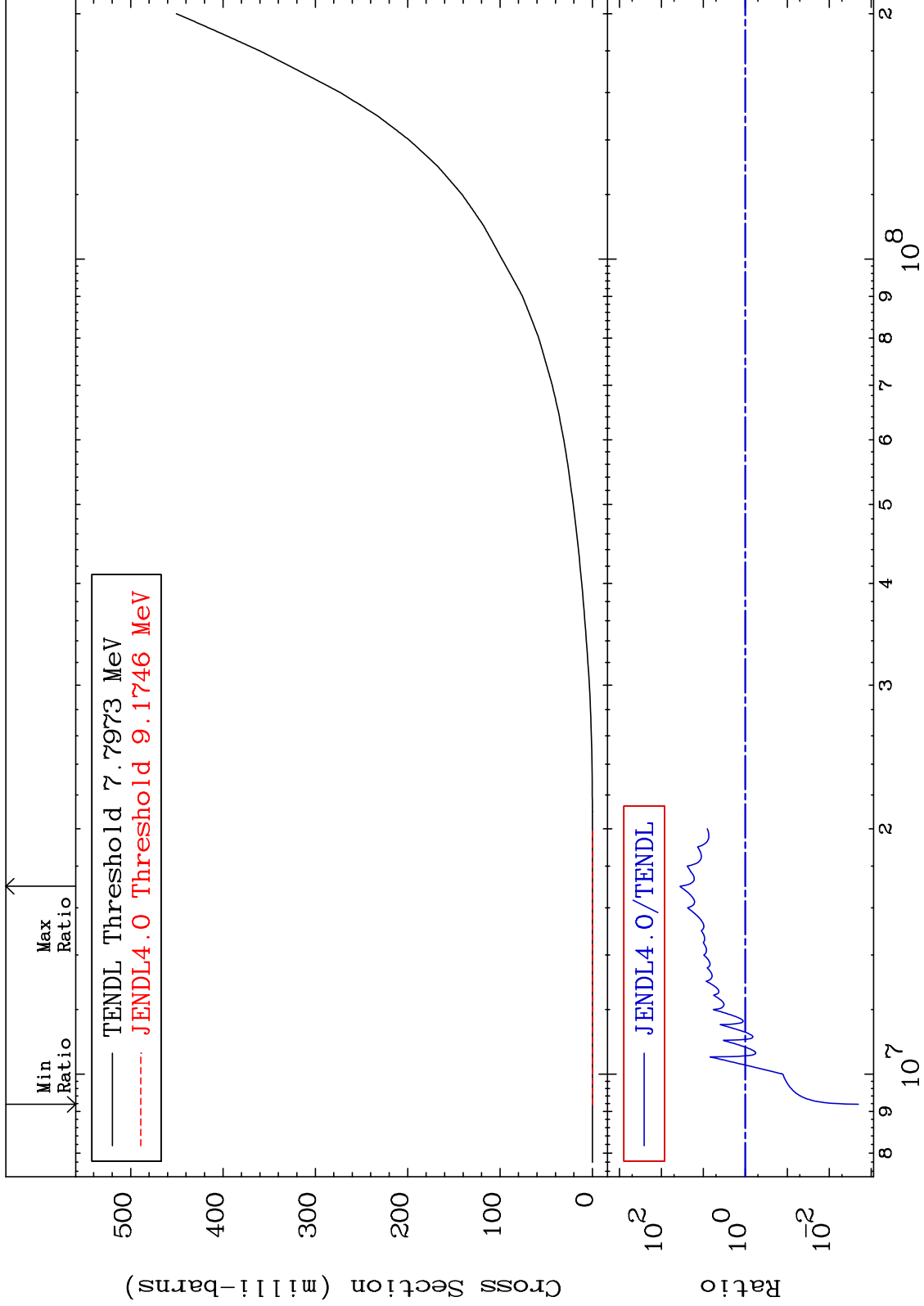
Incident Energy (eV)

40-Zr-90

MAT 4025

He-3 Production
Cross Section

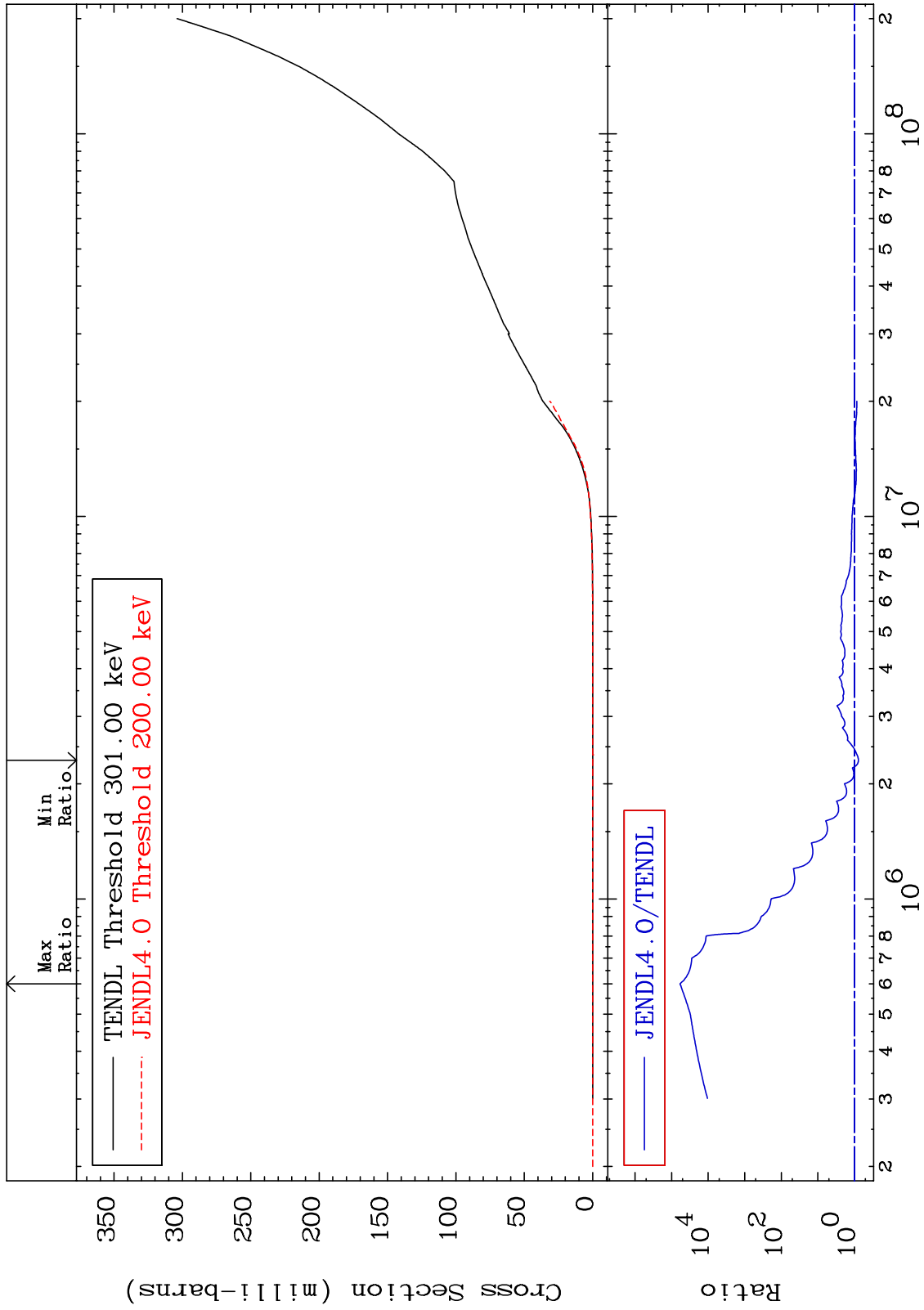
40-Zr-90
-99.80 To 3538. %



MAT 4025

He-4 Production
Cross Section

40-Zr-90
-22.32 To 9999. %



27

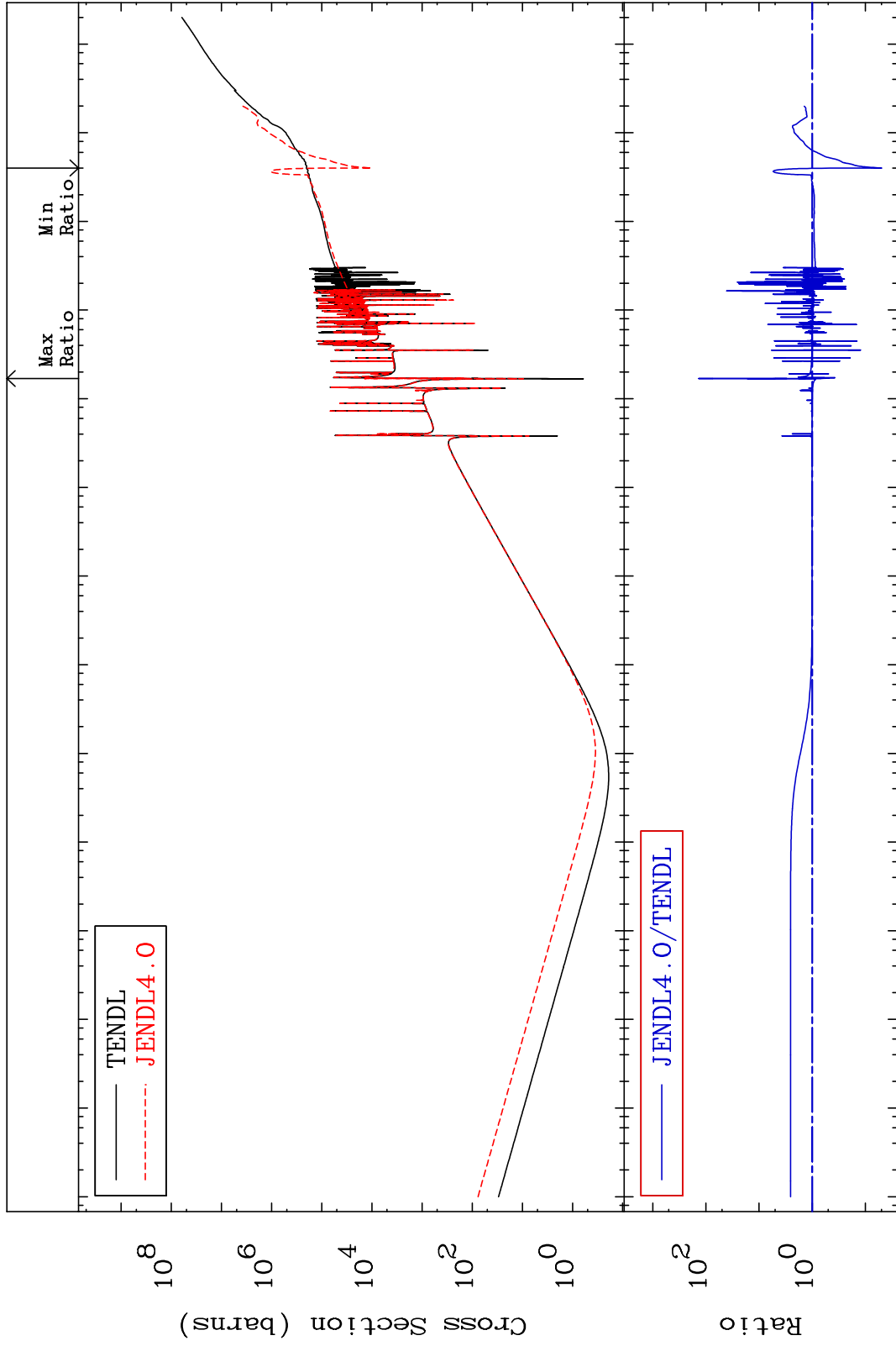
Incident Energy (eV)

40-Zr-90

MAT 4025

Kerma total (eV-barns)
Cross Section

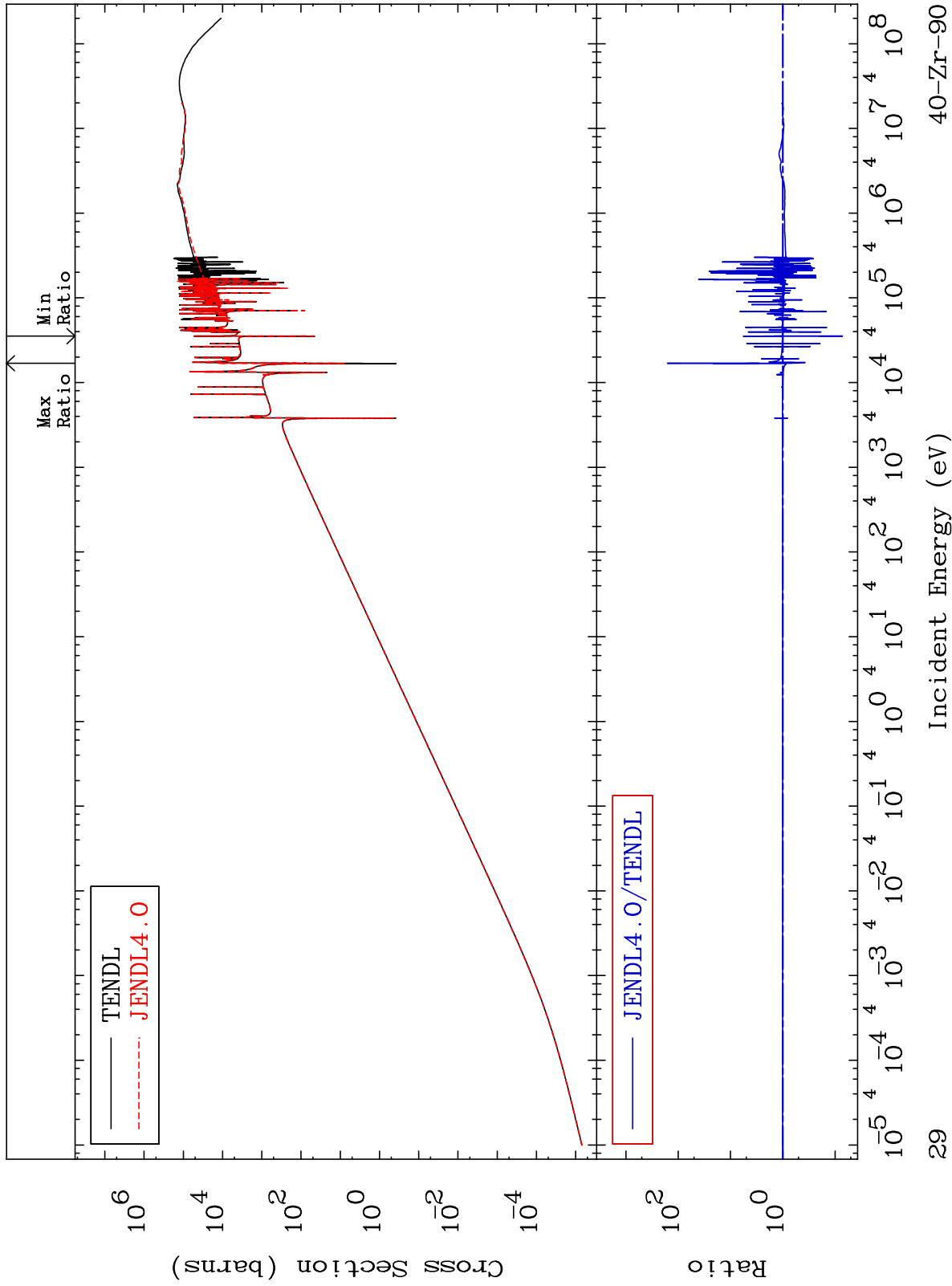
40-Zr-90
-95.03 To 9999. %



MAT 4025

Kerma elastic
Cross Section

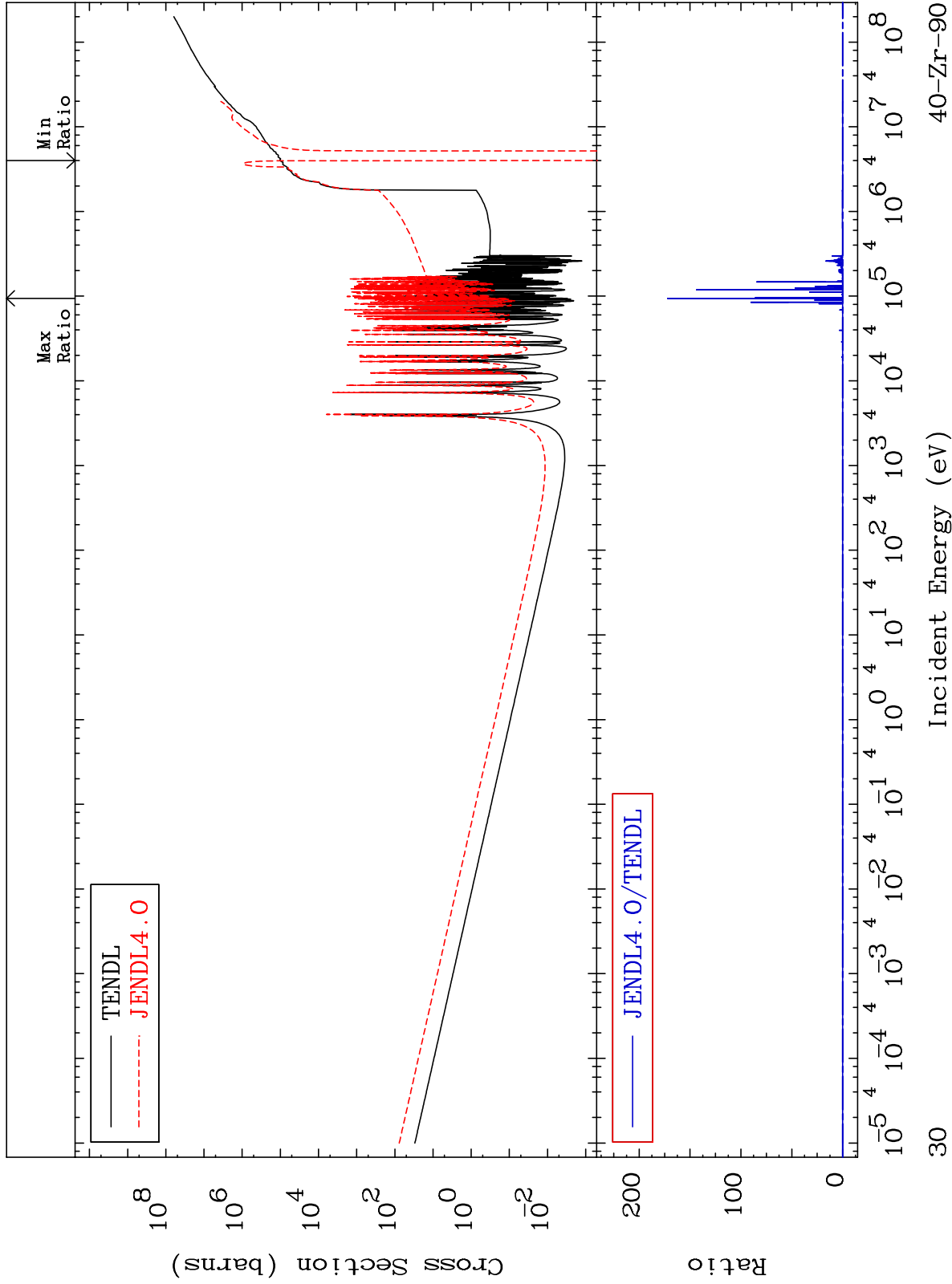
40-Zr-90
-92.85 To 9999. %



MAT 4025

Kerma non-elastic (all but mt2)
Cross Section

40-Zr-90
-197.3 To 9999. %

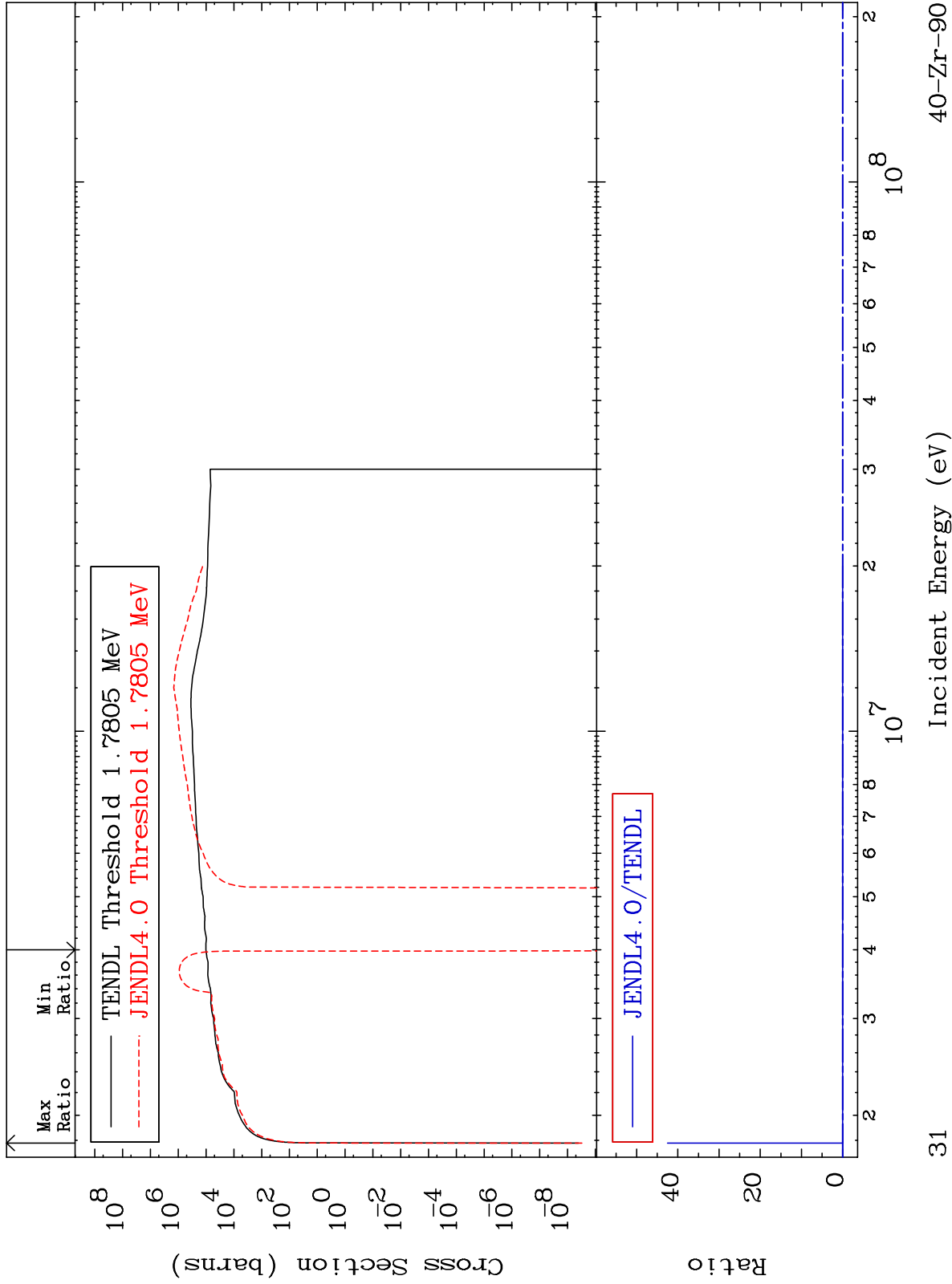


30

MAT 4025

Kerma inelastic (mt51-91)
Cross Section

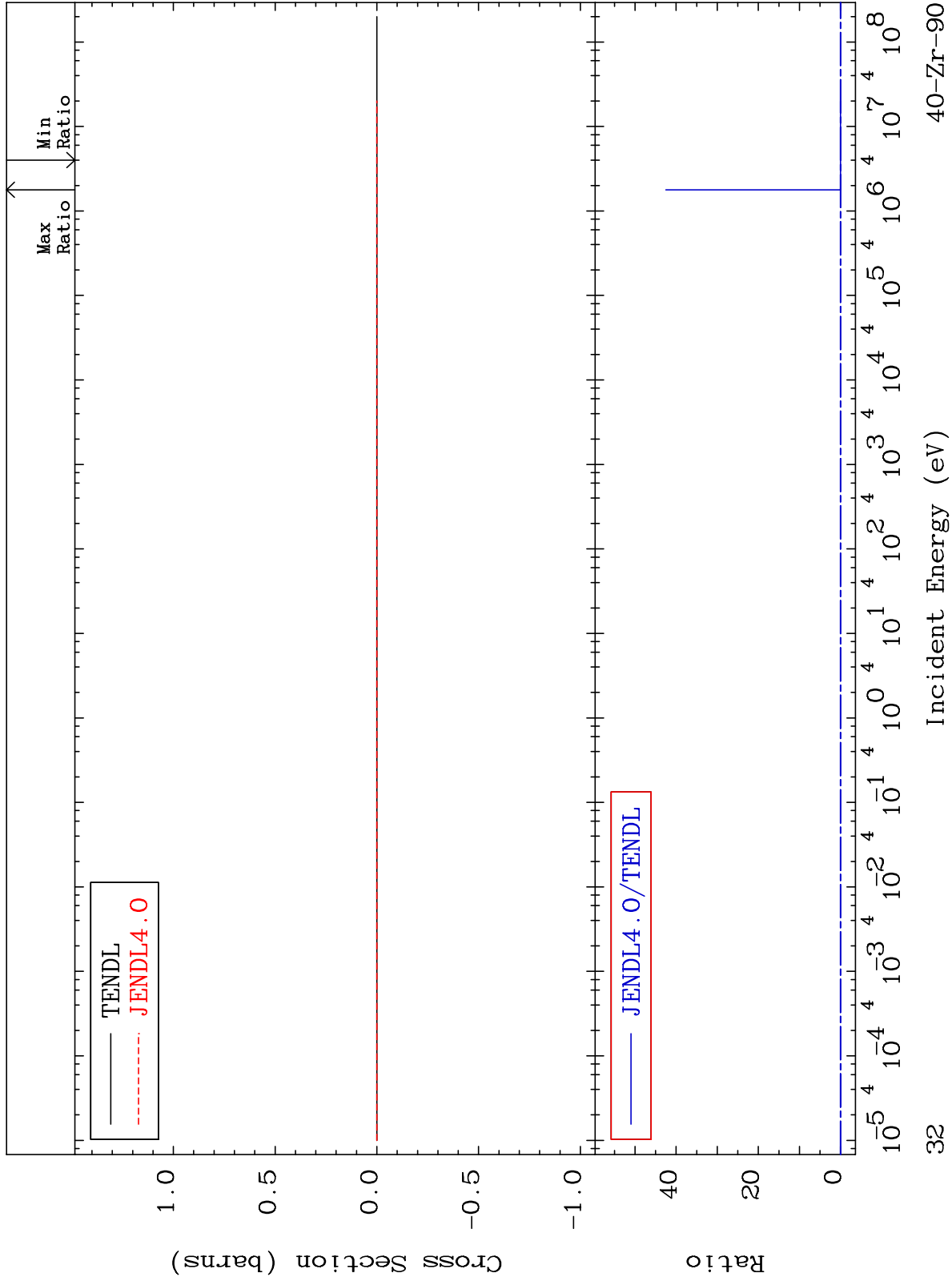
40-Zr-90
-197.8 To 9999. %



MAT 4025

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

40-Zr-90
-197.8 To 9999. %



32

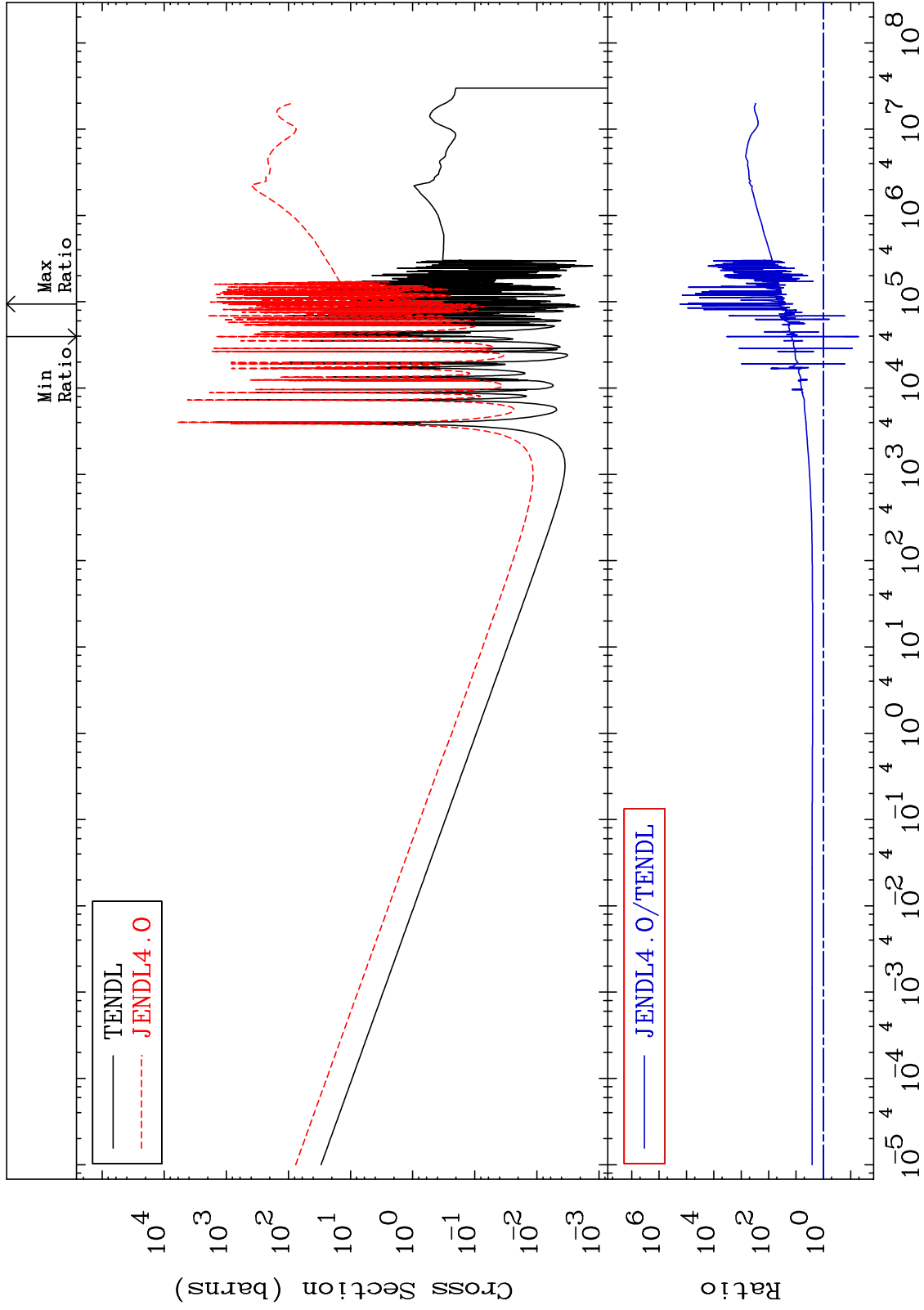
Incident Energy (eV)

40-Zr-90

MAT 4025

Kerma capture (mt102)
Cross Section

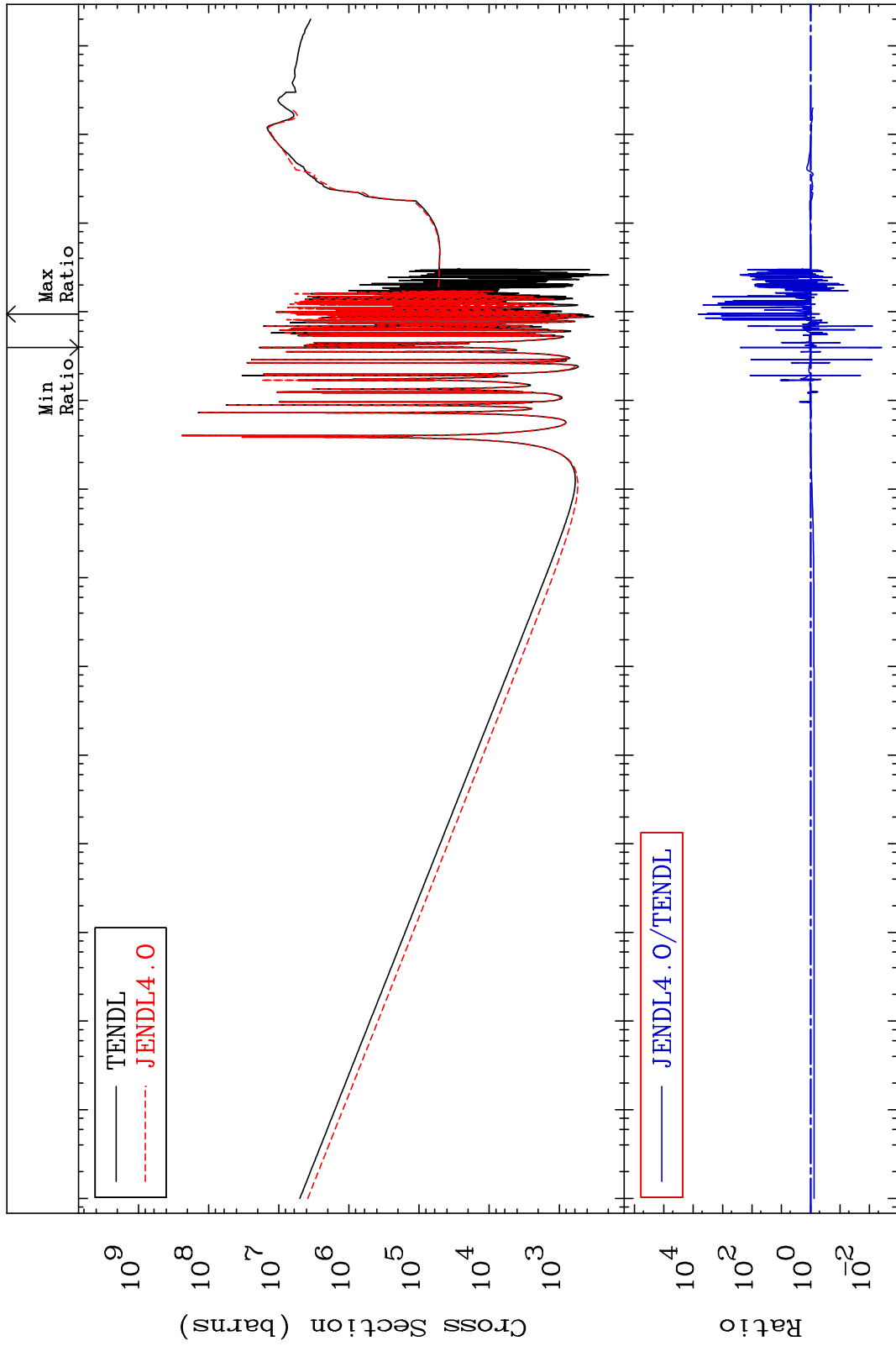
40-Zr-90
-94.74 To 9999. %



MAT 4025

Total photon (eV-barns)
Cross Section

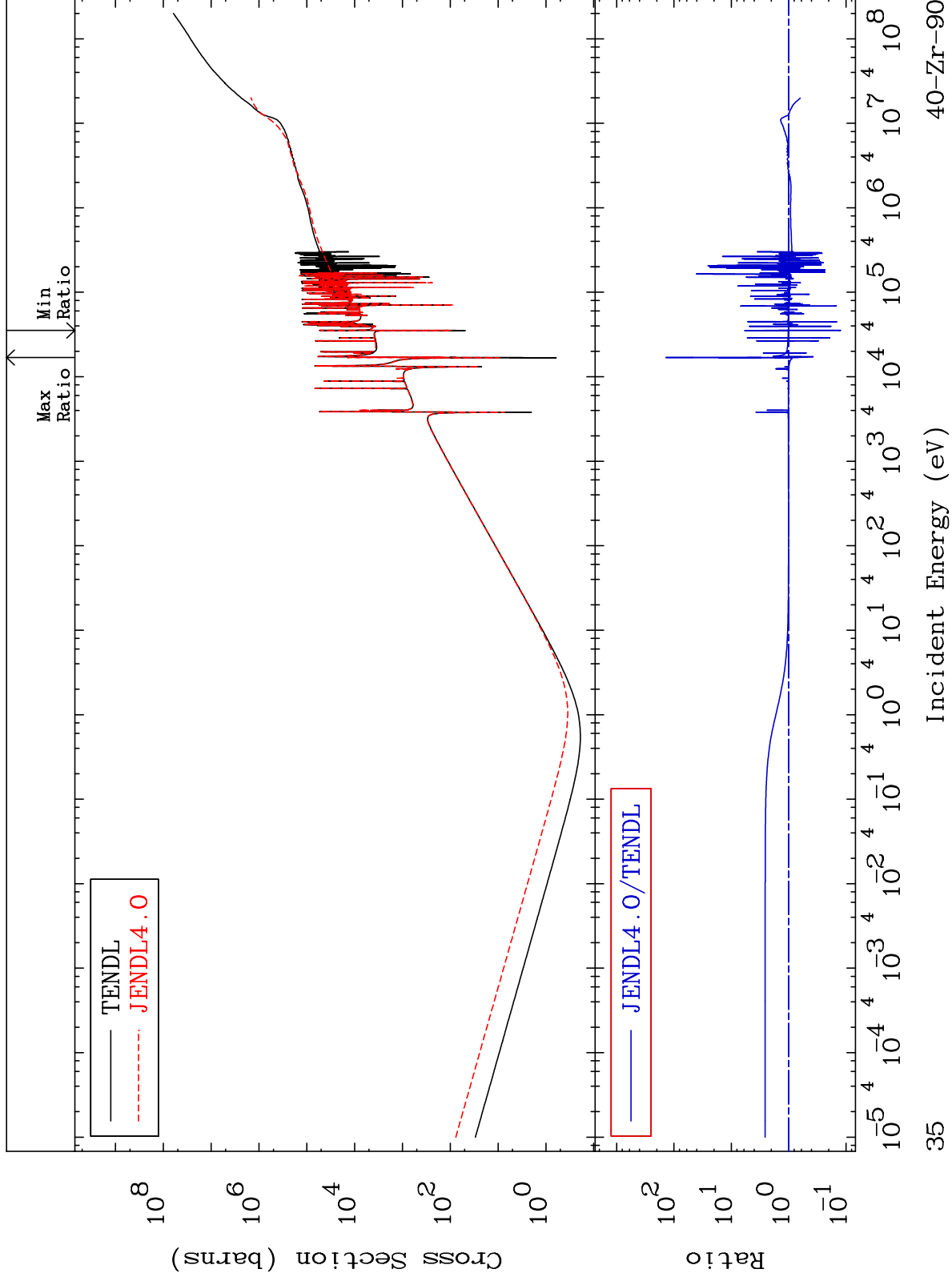
40-Zr-90
-99.61 To 9999. %



MAT 4025

Total kinematic kerma (high limit)
Cross Section

40-Zr-90
-87.56 To 9999. %



35

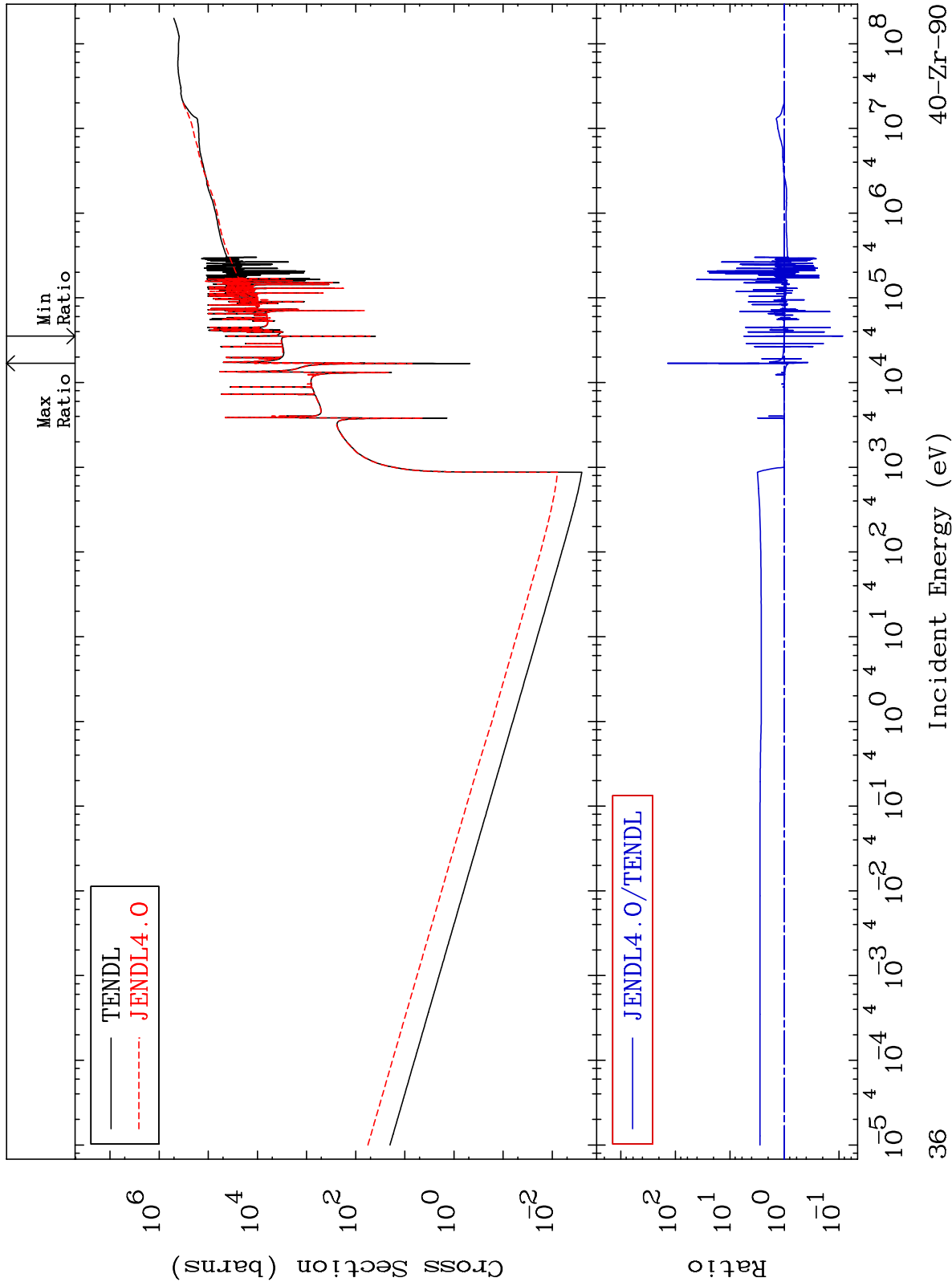
Incident Energy (eV)

40-Zr-90

MAT 4025

Dpa total (eV-barns)
Cross Section

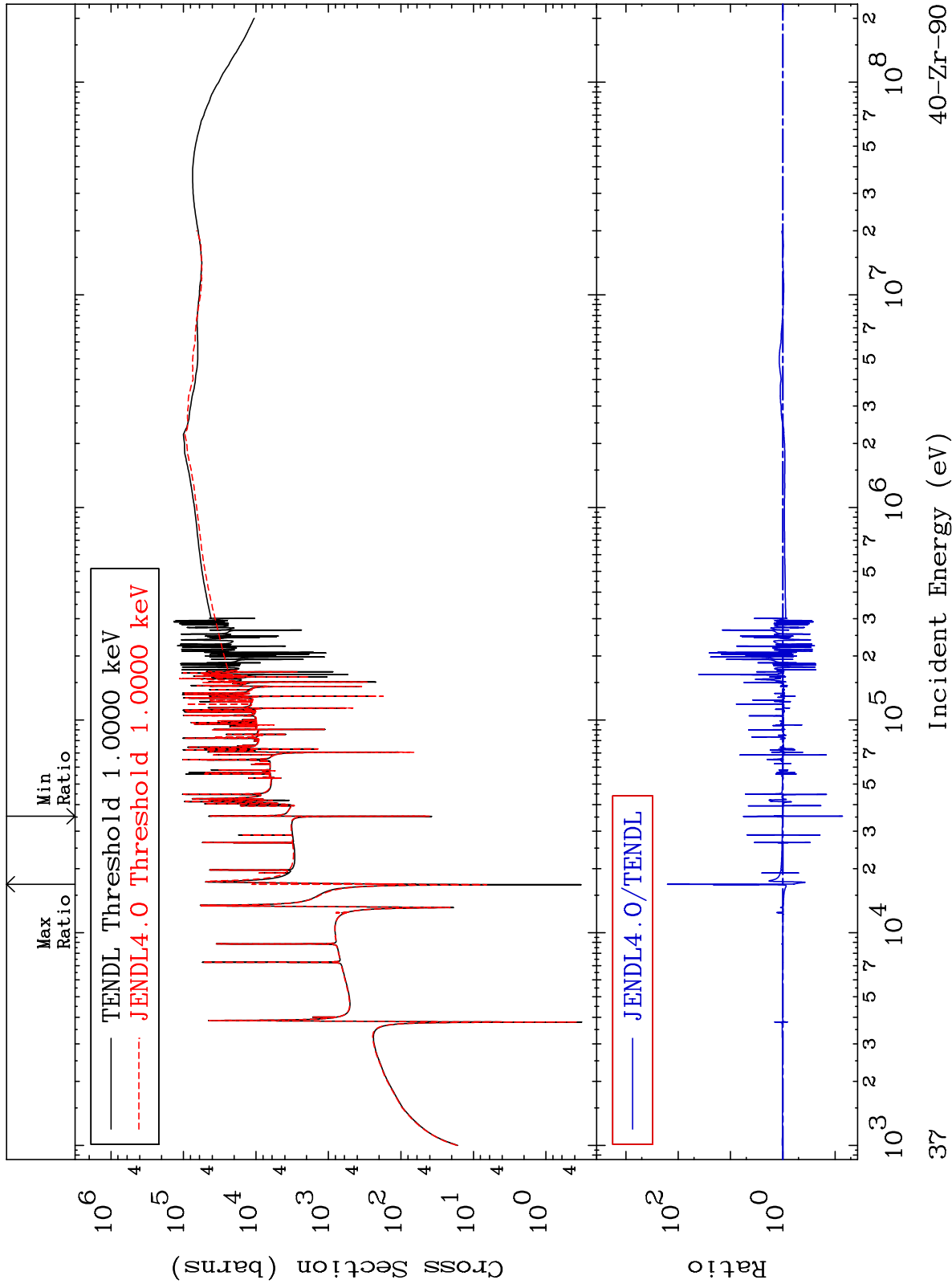
40-Zr-90
-91.42 To 9999. %



MAT 4025

Dpa elastic (mt2)
Cross Section

40-Zr-90
-92.85 To 9999. %



37

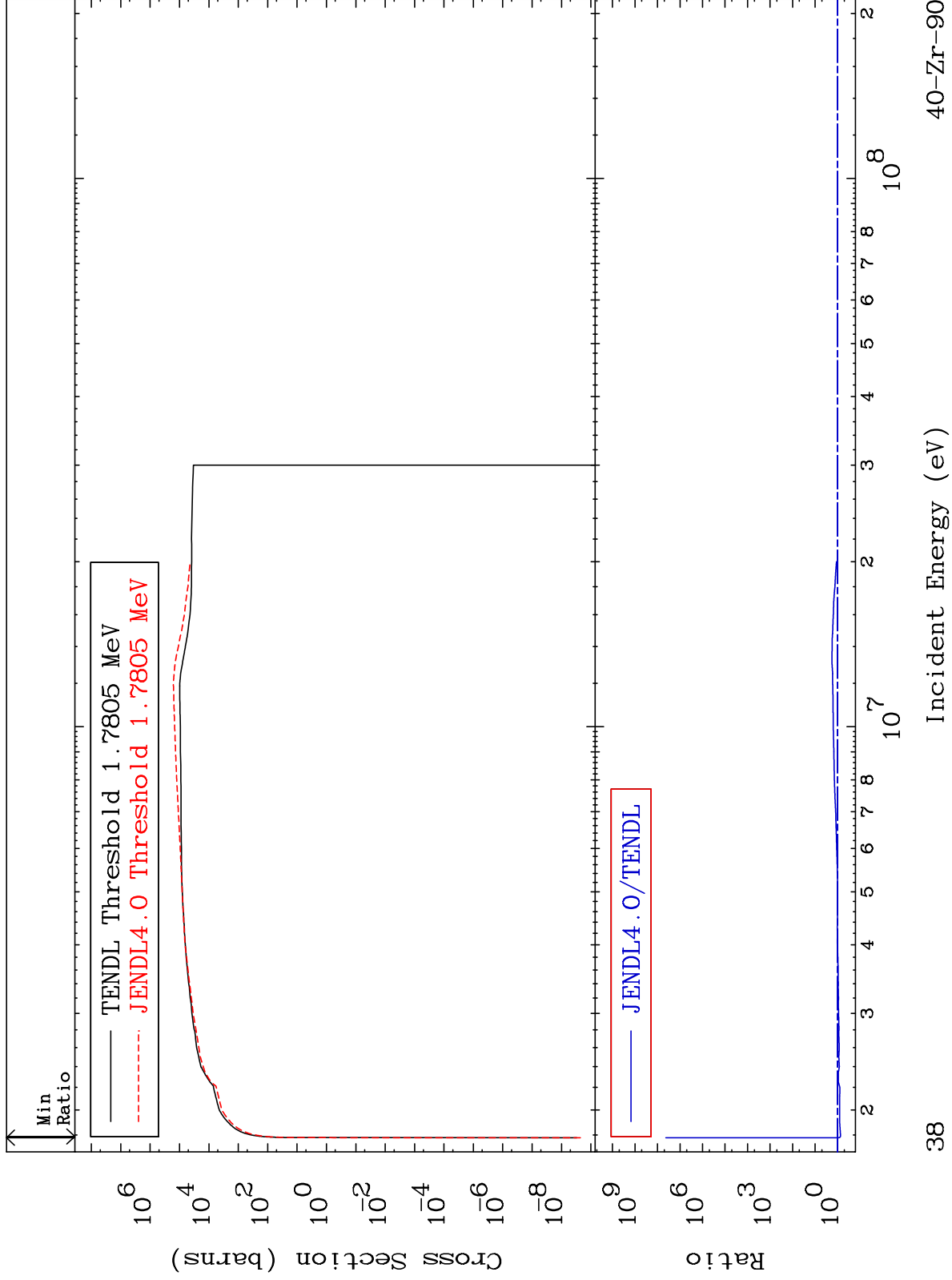
Incident Energy (eV)

40-Zr-90

MAT 4025

Dpa inelastic (mt51-91)
Cross Section

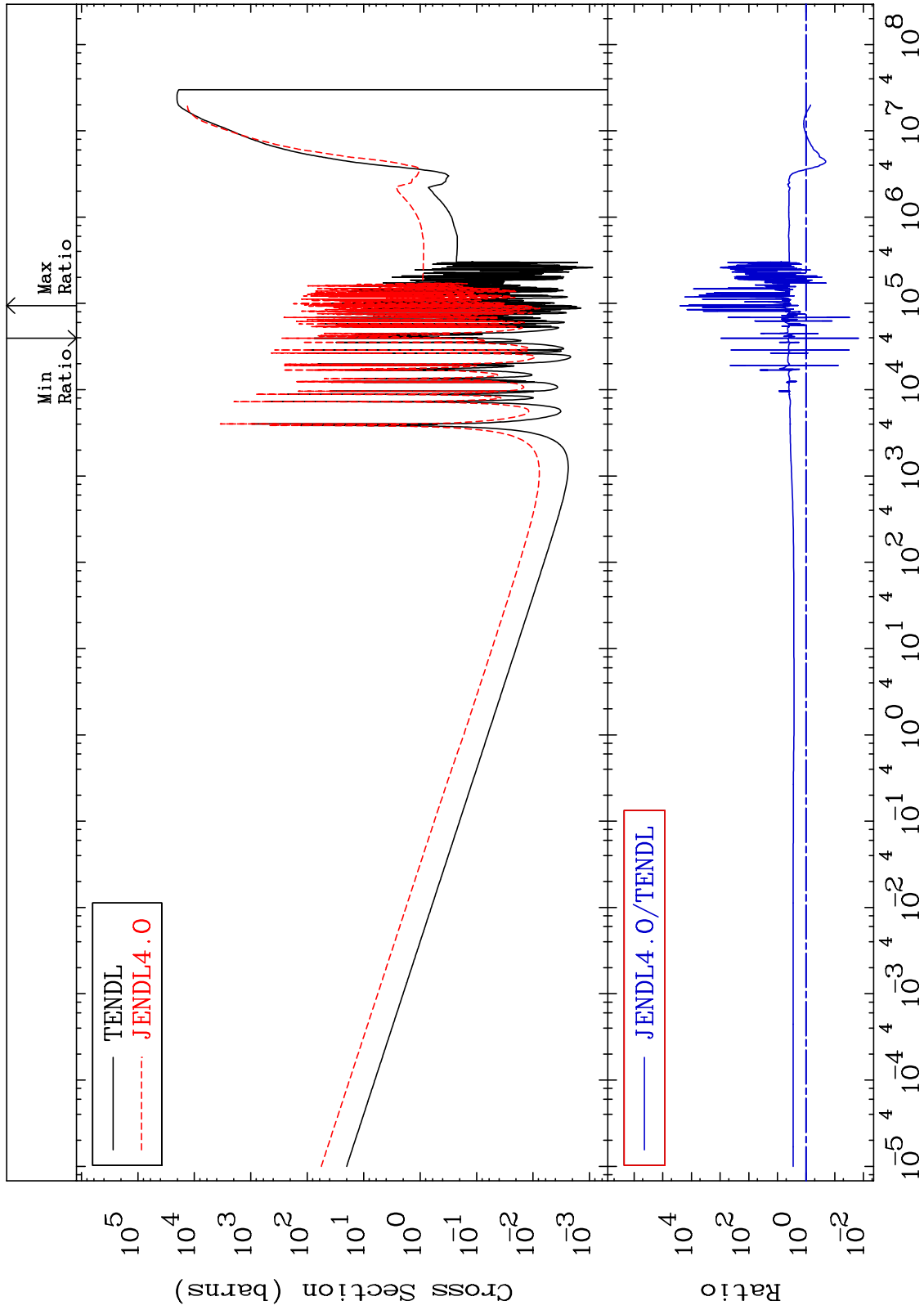
40-Zr-90
-25.91 To 9999. %



MAT 4025

Dpa disappearance (mt102 -120)
Cross Section

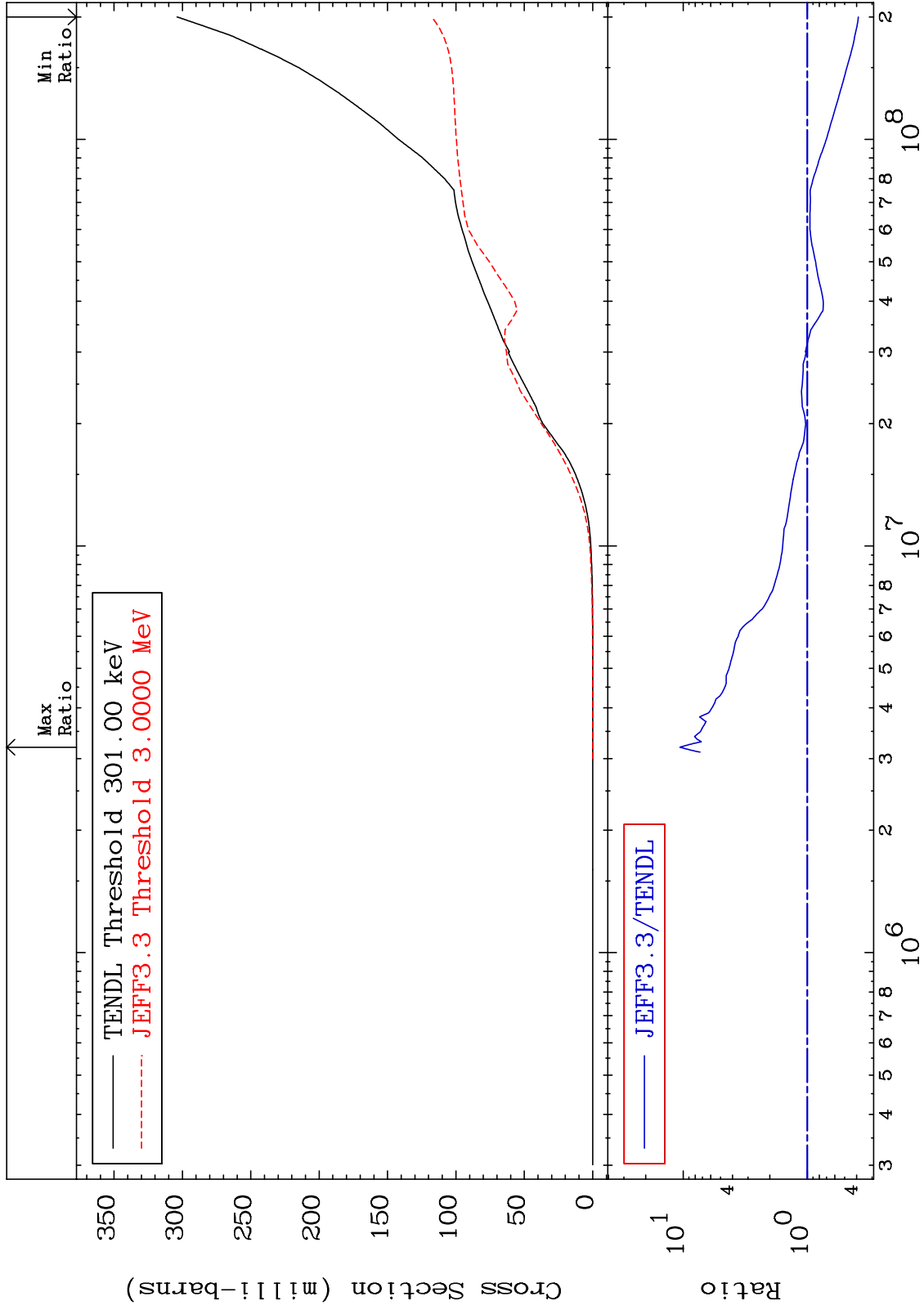
40-Zr-90
-98.50 To 9999. %



MAT 4025

He-4 Production
Cross Section

40-Zr-90
-61.28 To 959.4 %



40

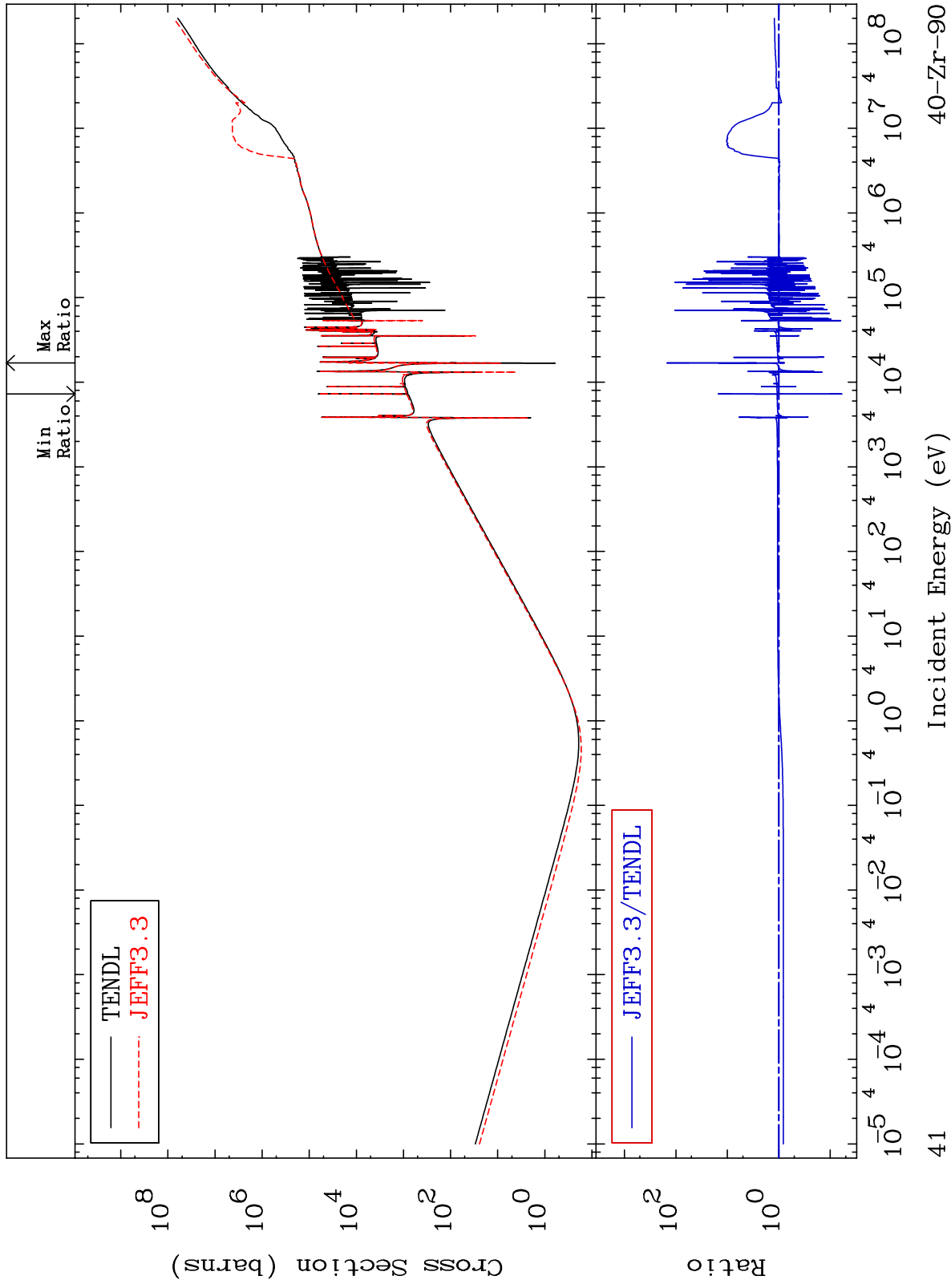
Incident Energy (eV)

40-Zr-90

MAT 4025

Kerma total (eV-barns)
Cross Section

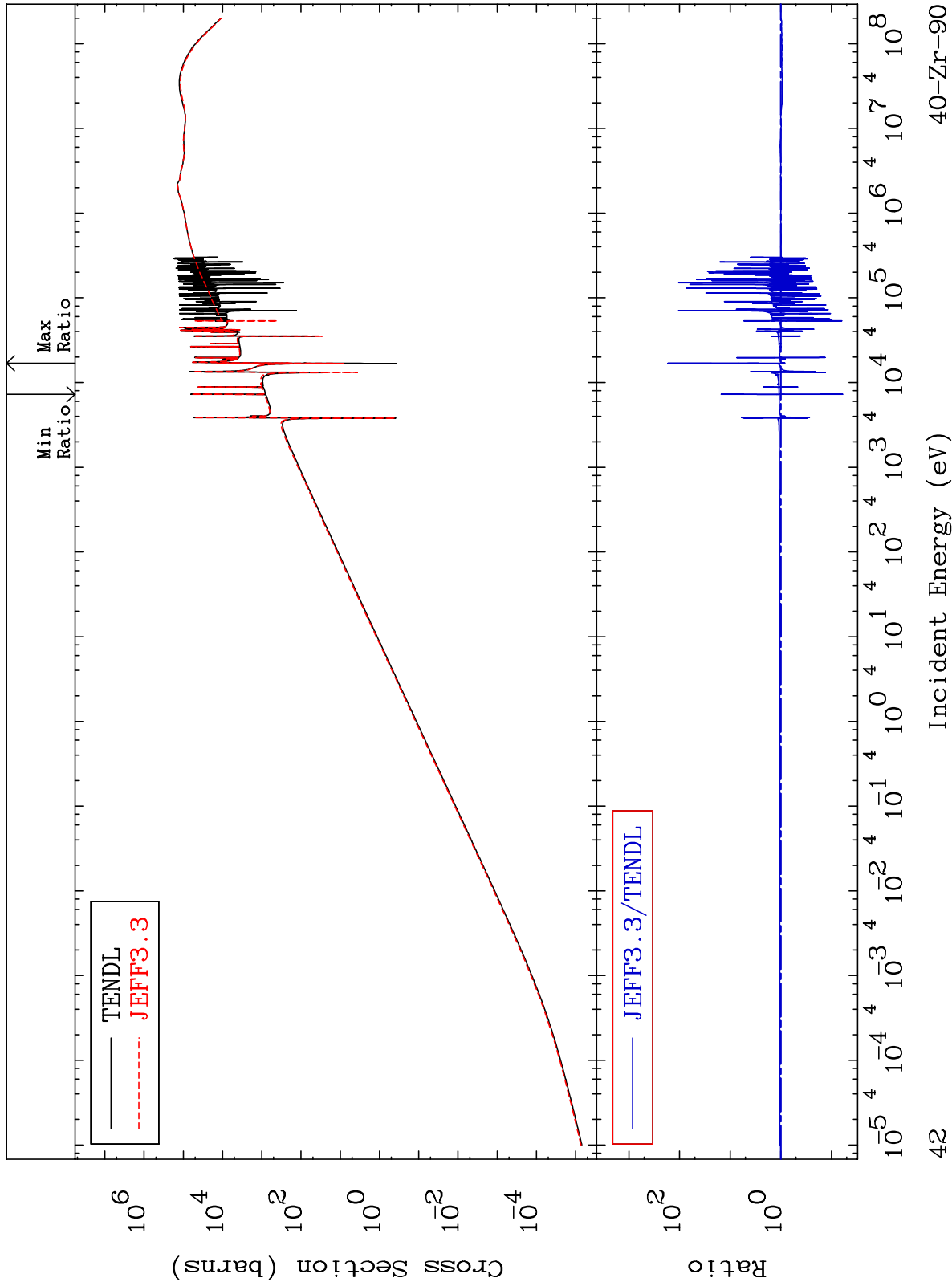
40-Zr-90
-94.03 To 9999. %



MAT 4025

Kerma elastic
Cross Section

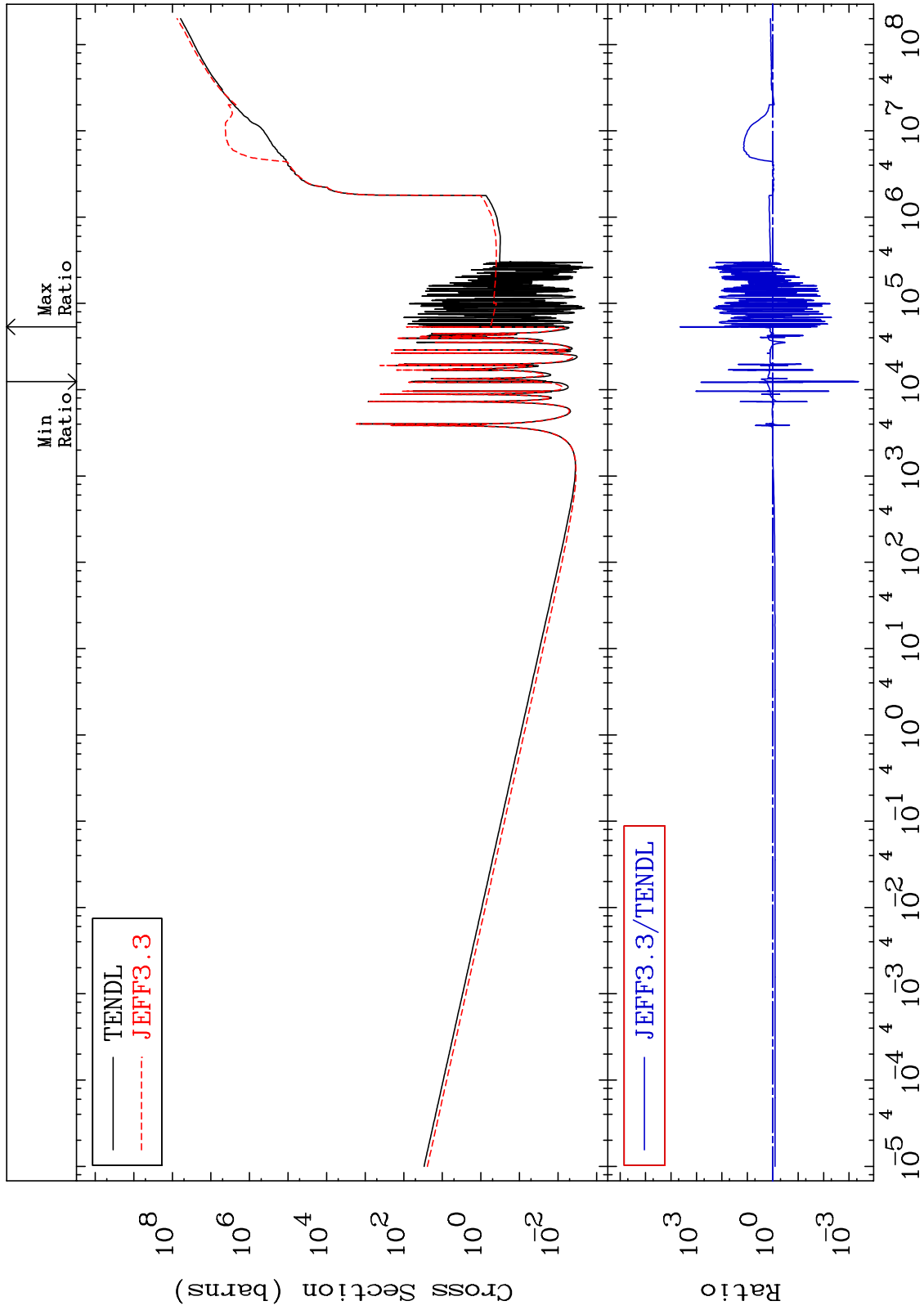
40-Zr-90
-94.02 To 9999. %



MAT 4025

Kerma non-elastic (all but mt2)
Cross Section

40-Zr-90
-99.96 To 9999. %



43

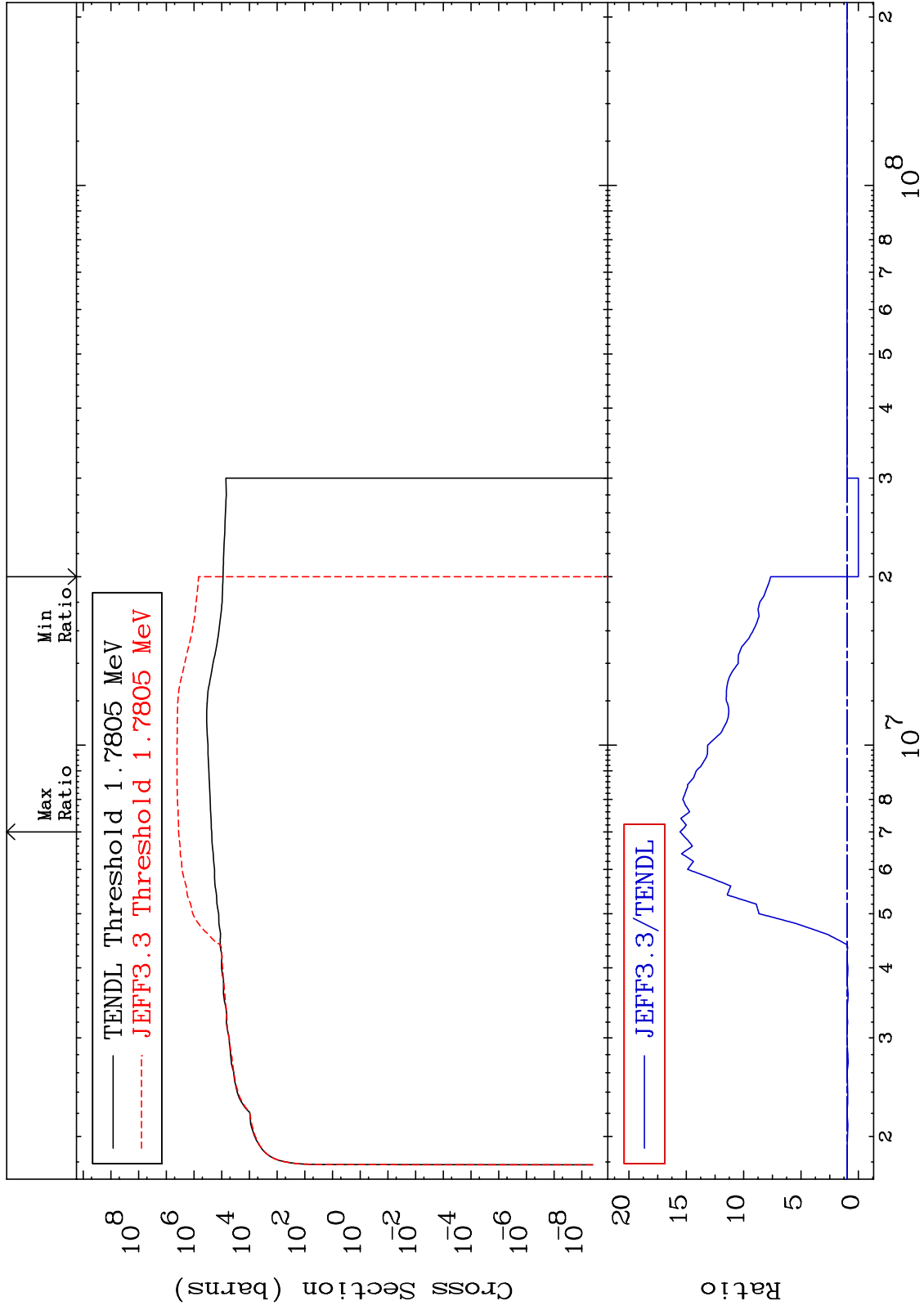
Incident Energy (eV)

40-Zr-90

MAT 4025

Kerma inelastic (mt51-91)
Cross Section

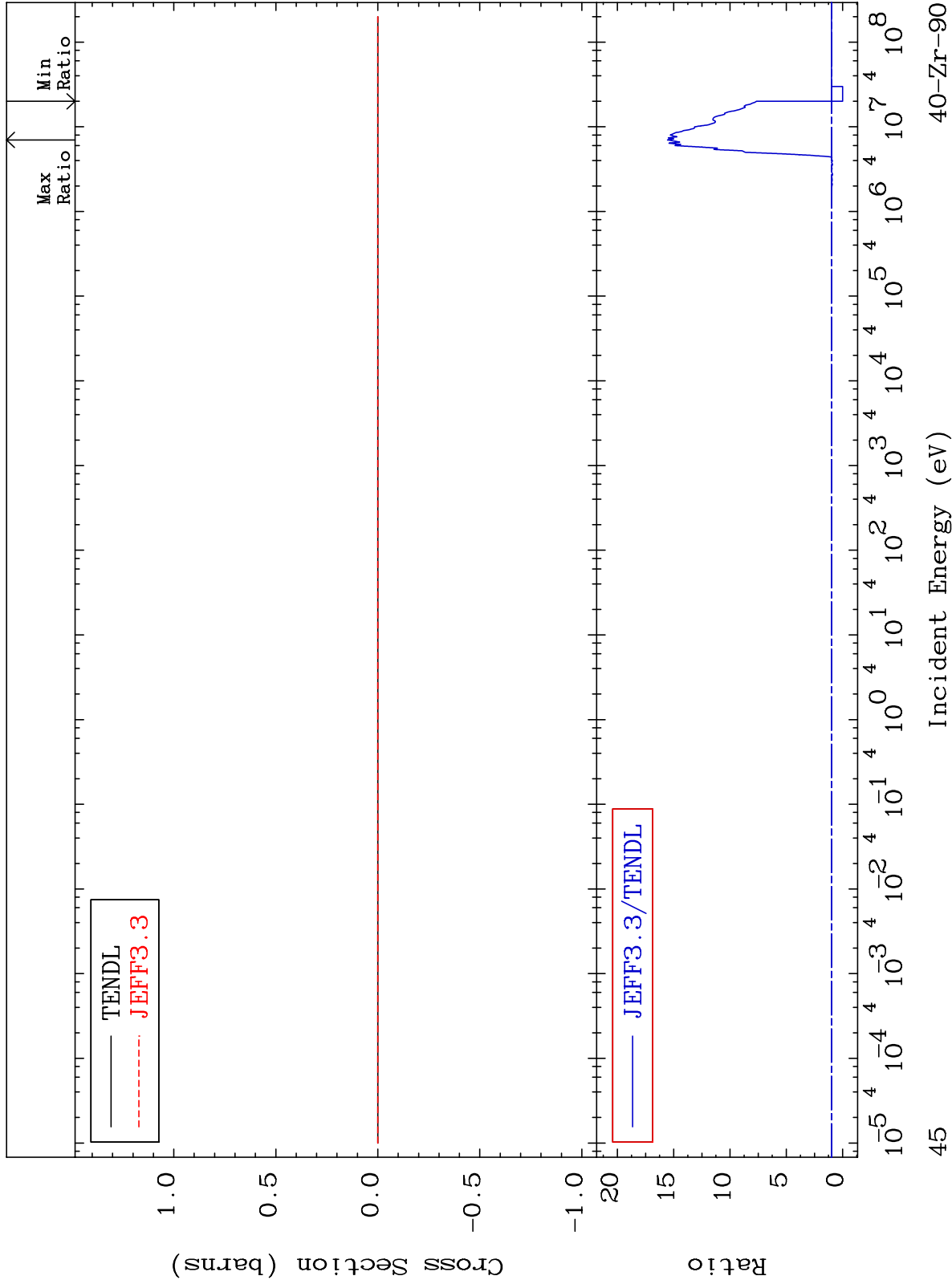
40-Zr-90
-100.0 To 1455. %



MAT 4025

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

40-Zr-90
-100.0 To 1455. %



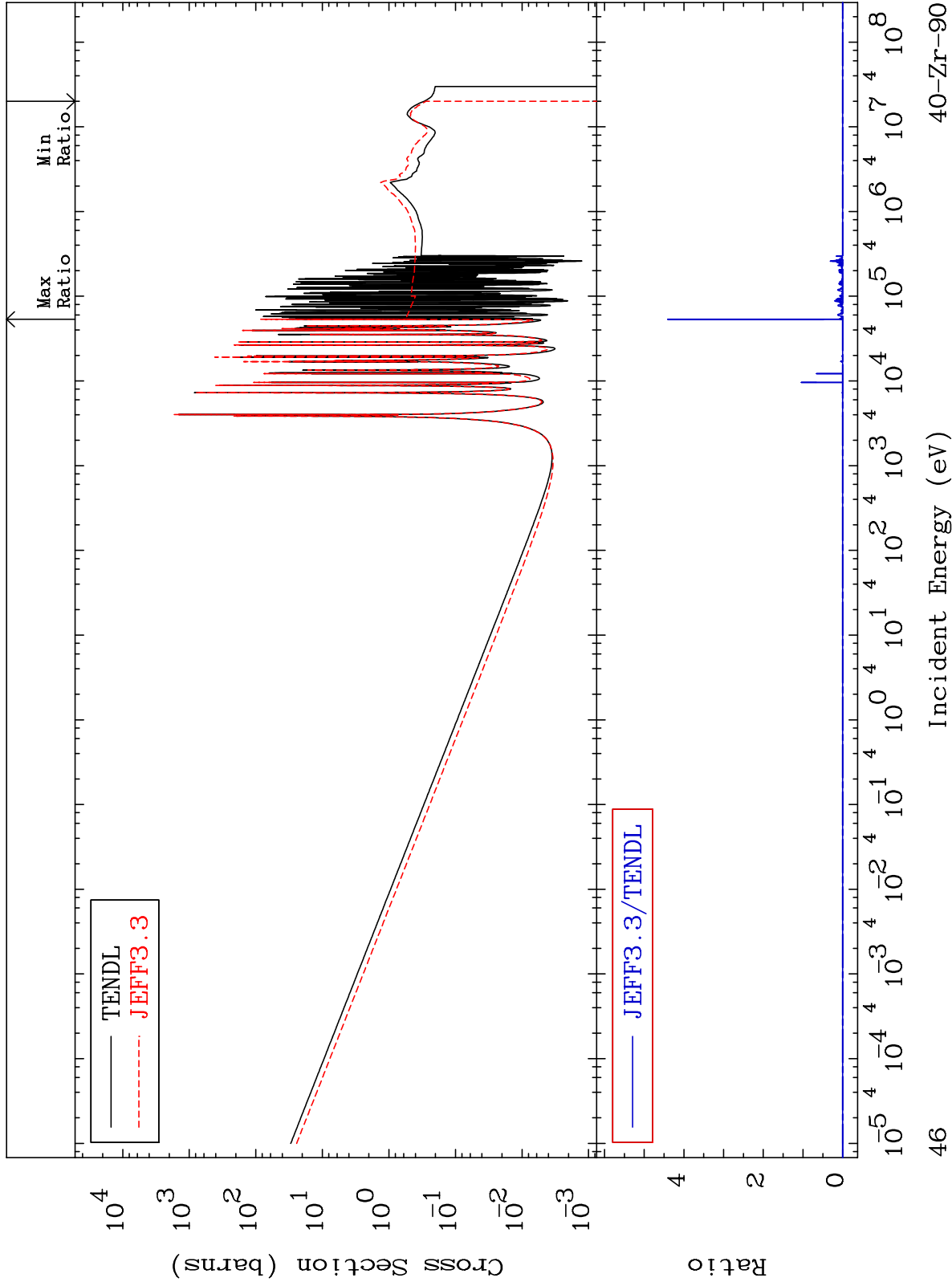
45

40-Zr-90

MAT 4025

Kerma capture (mt102)
Cross Section

40-Zr-90
-100.0 To 9999. %



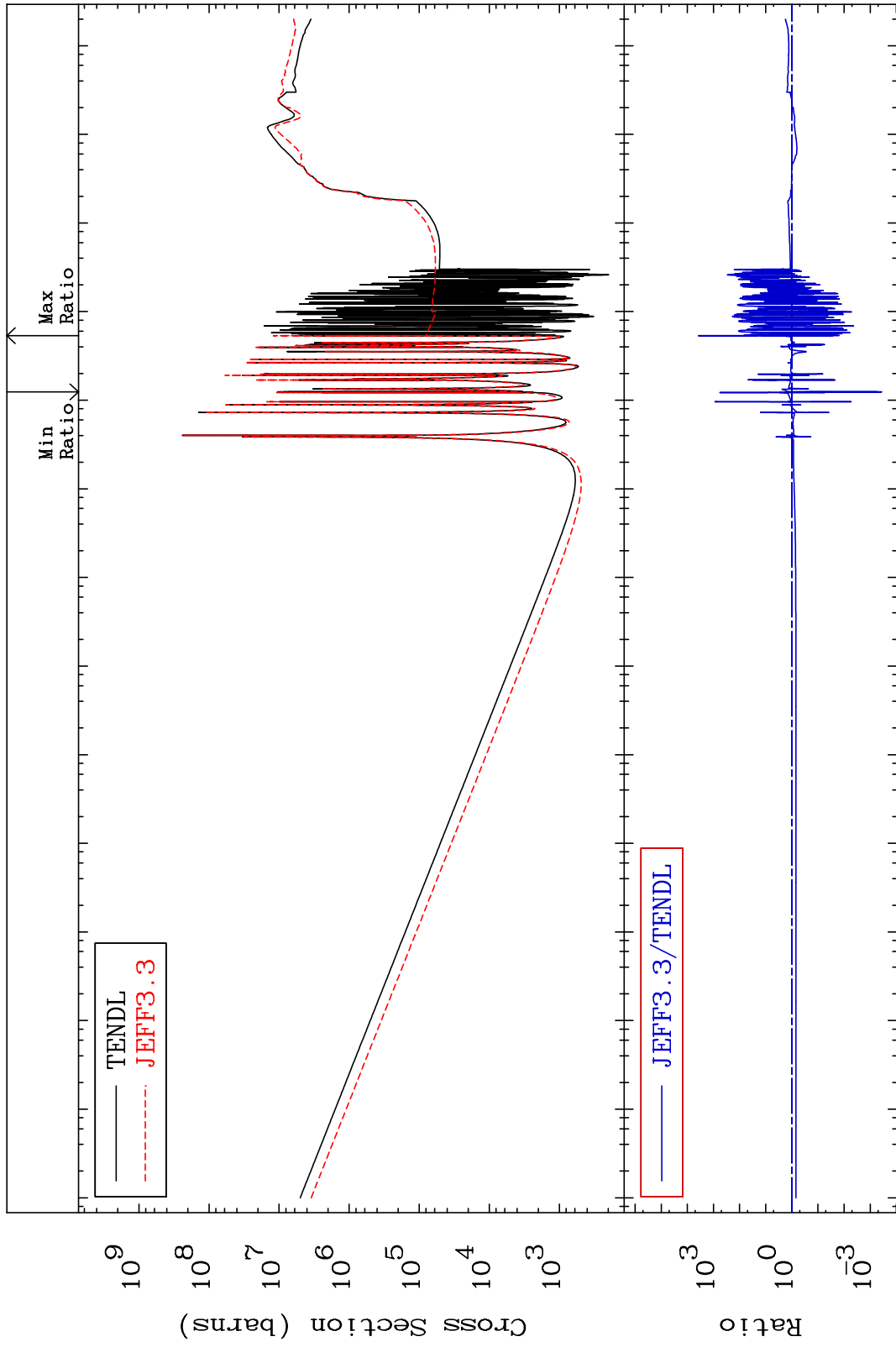
46

40-Zr-90

MAT 4025

Total photon (eV-barns)
Cross Section

40-Zr-90
-99.96 To 9999. %



47

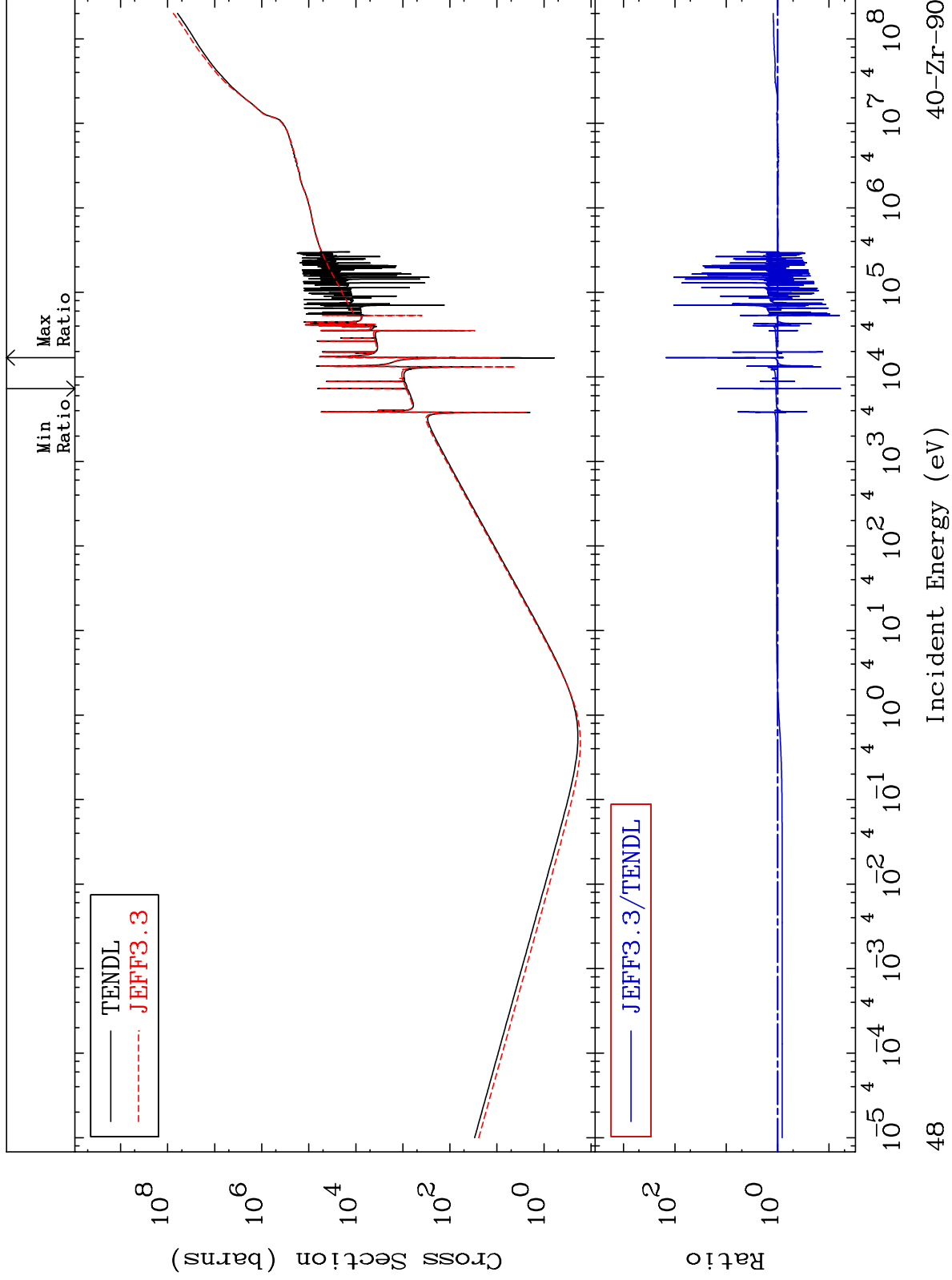
Incident Energy (eV)

40-Zr-90

MAT 4025

Total kinematic kerma (high limit)
Cross Section

40-Zr-90
-94.03 To 9999. %



48

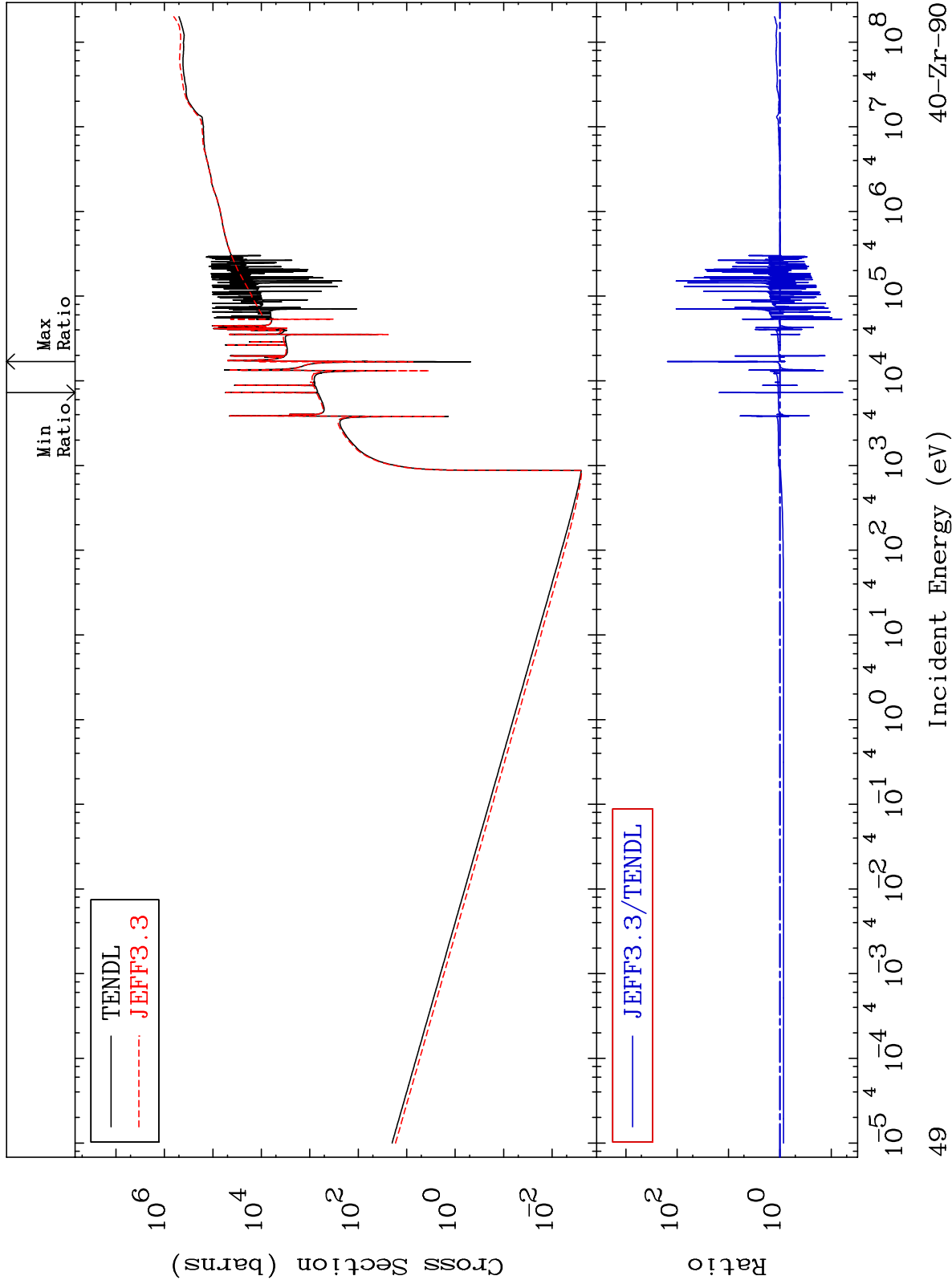
Incident Energy (eV)

40-Zr-90

MAT 4025

Dpa total (eV-barns)
Cross Section

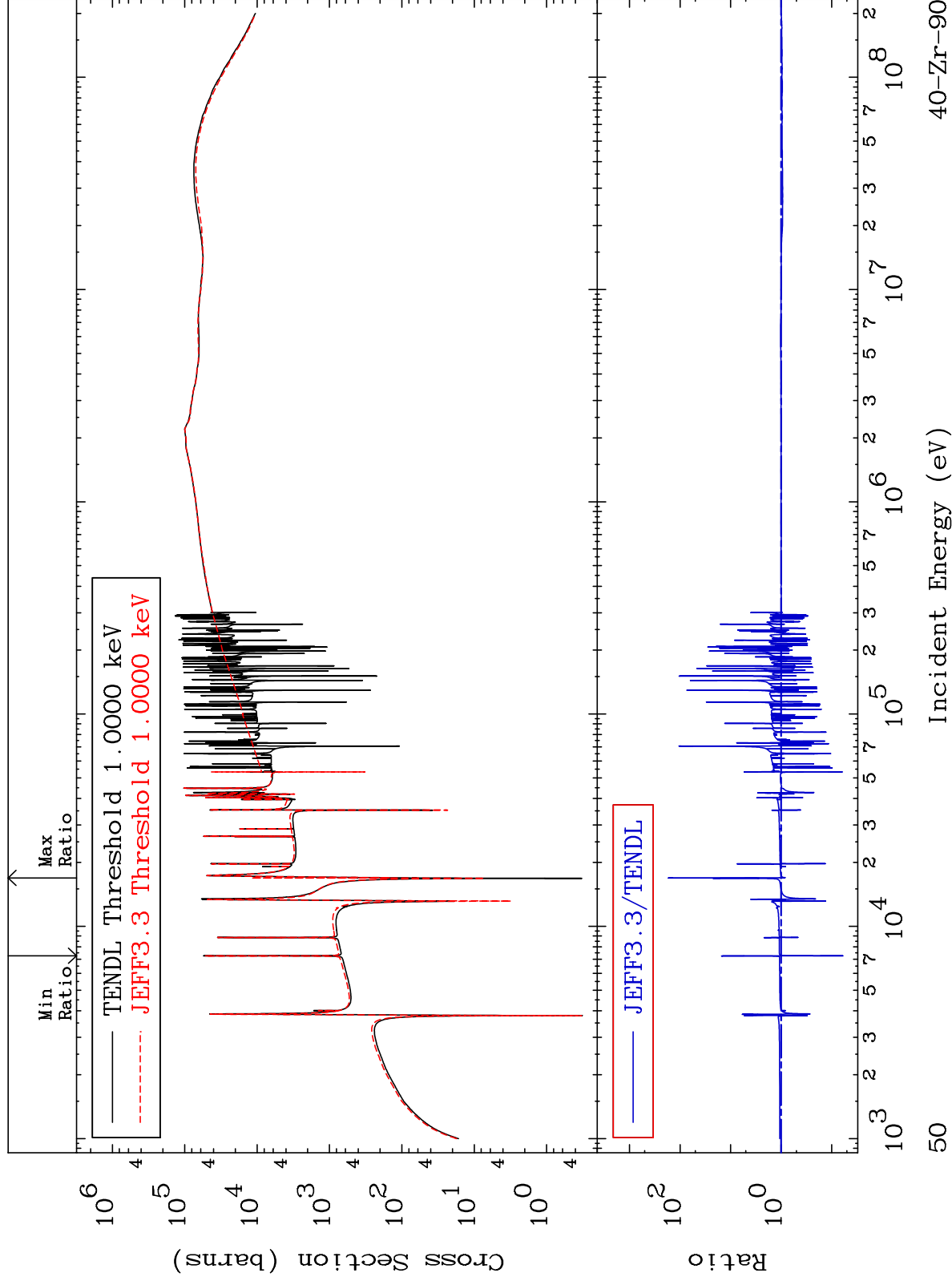
40-Zr-90
-94.01 To 9999. %



MAT 4025

Dpa elastic (mt2)
Cross Section

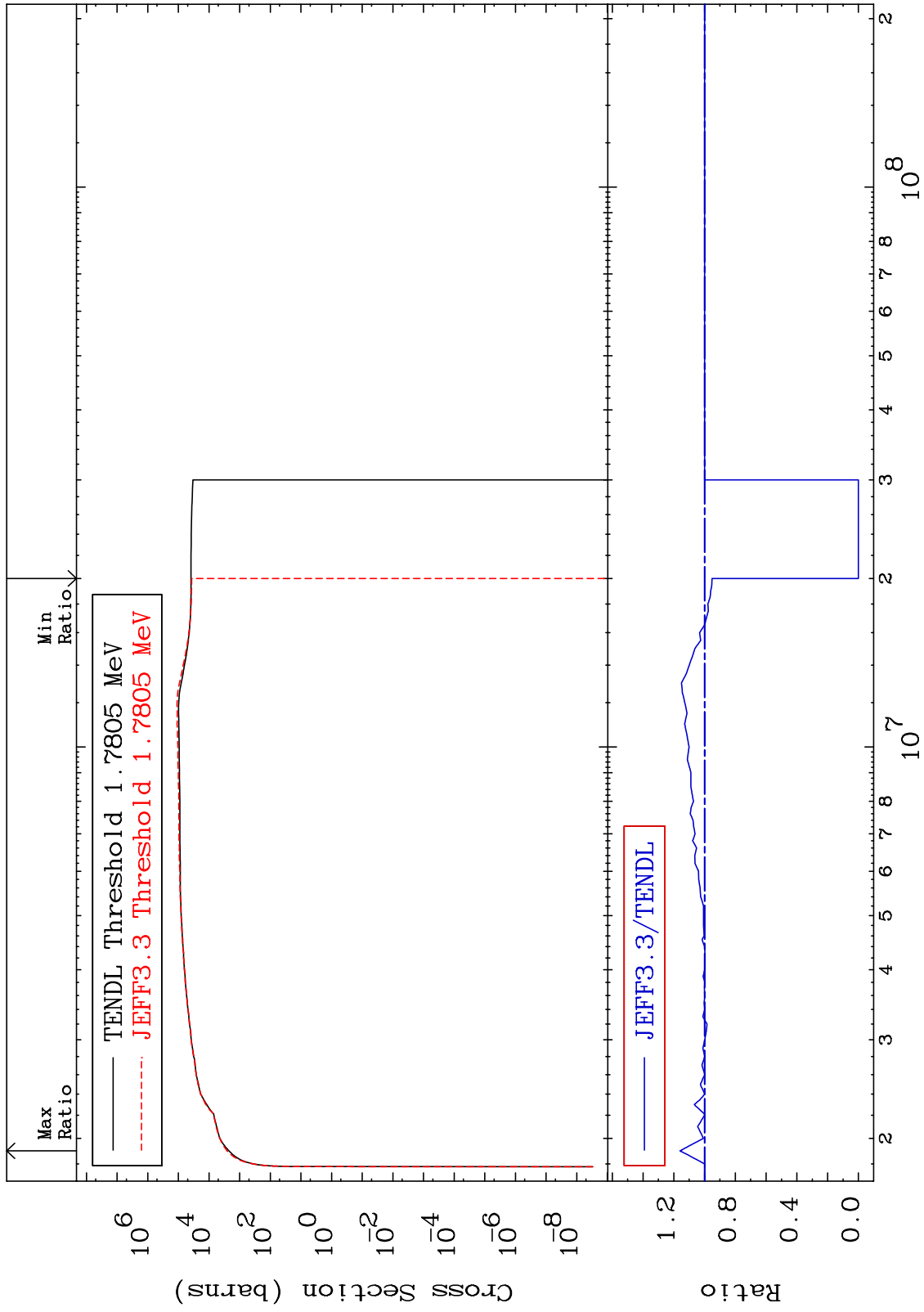
40-Zr-90
-94.00 To 9999. %



MAT 4025

Dpa inelastic (mt51-91)
Cross Section

40-Zr-90
-100.0 To 15.96 %



MAT 4025

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-90
-100.0 To 9999. %

