

Program Complot
(Version 2018-1)

by

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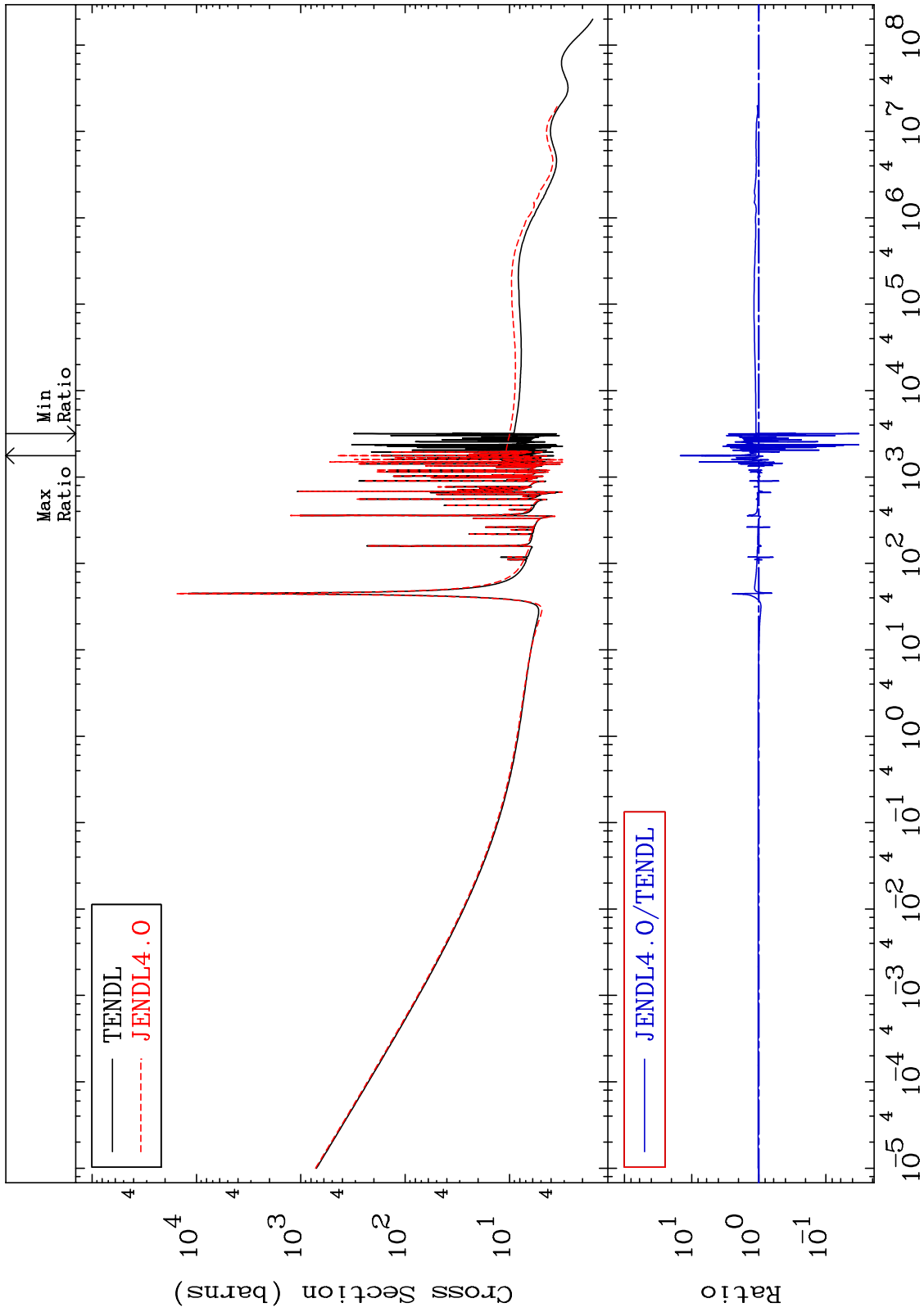
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4234

Total
Cross Section

42-Mo-95
-96.79 To 1379. %



1

Incident Energy (eV)

42-Mo-95

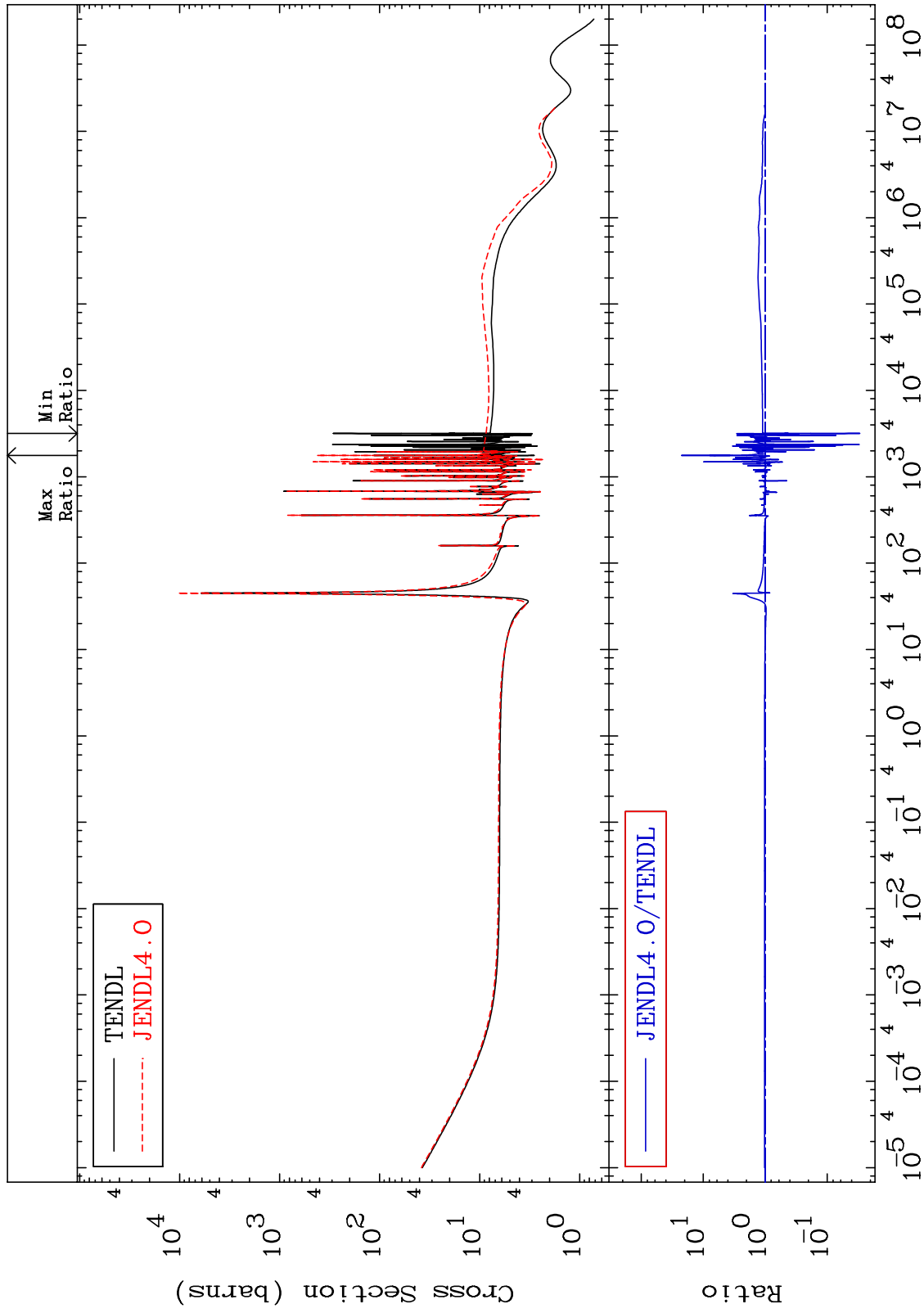
MAT 4234

Elastic

42-Mo-95

Cross Section

-97.03 To 2167. %

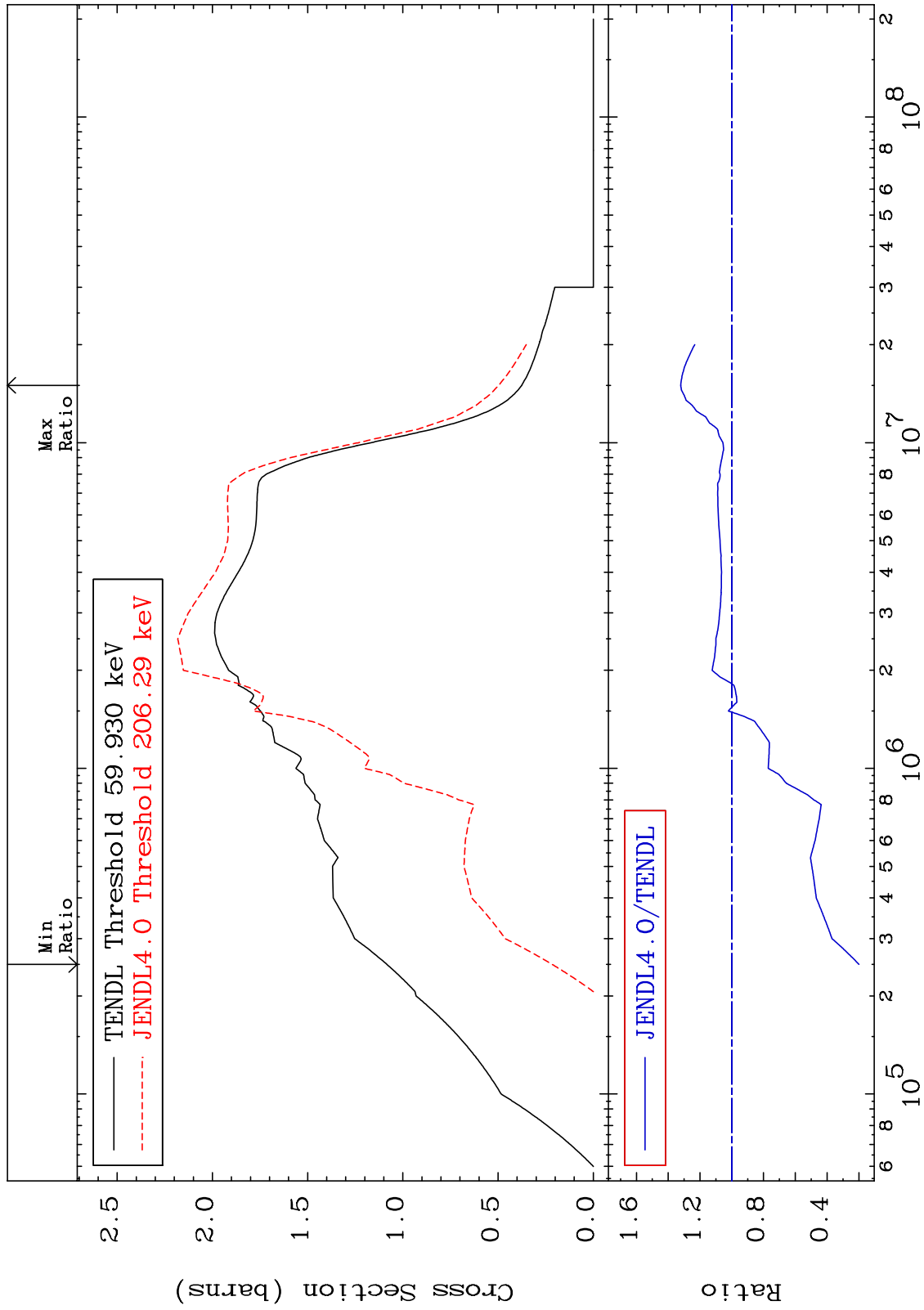


2

Incident Energy (eV)

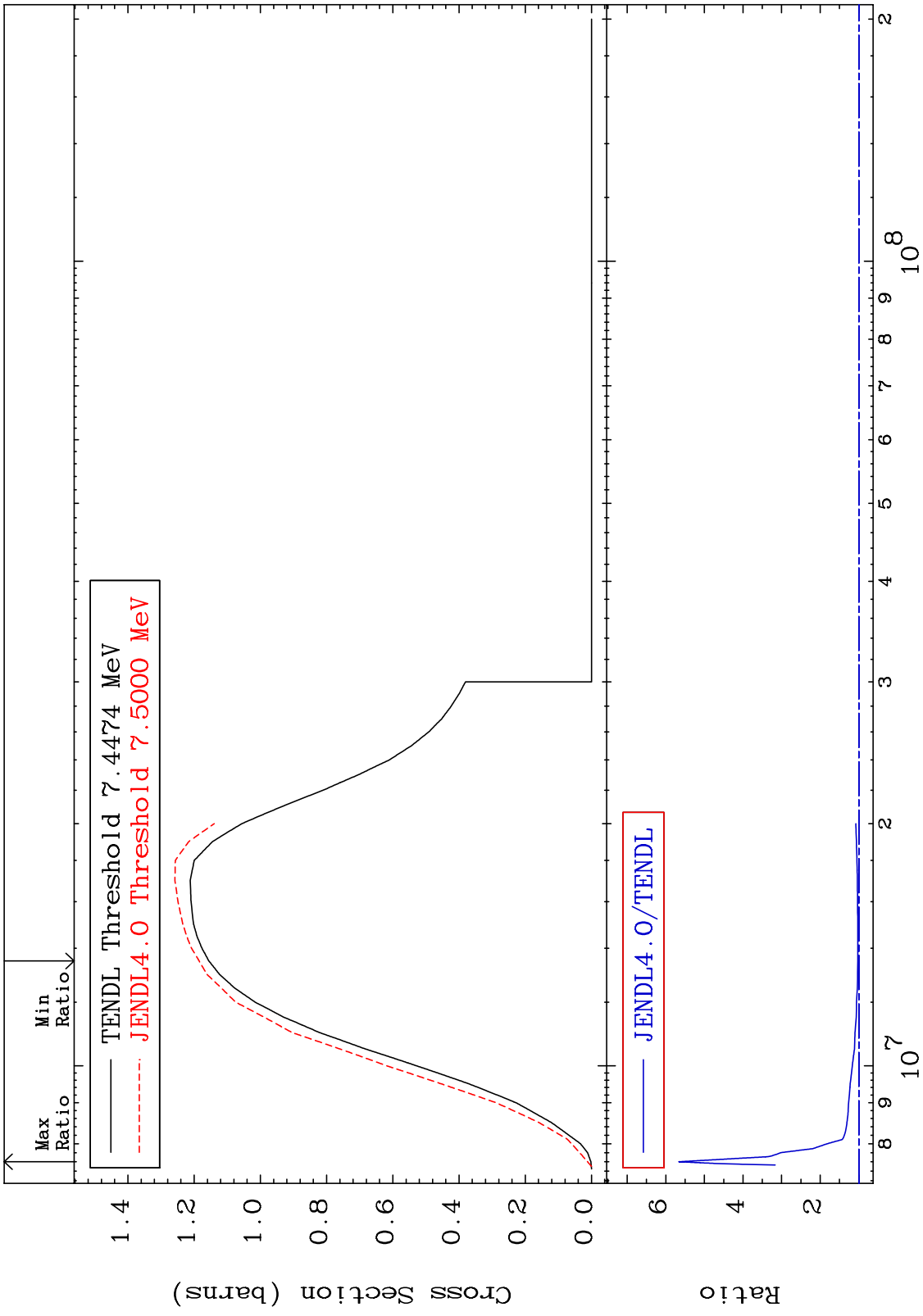
42-Mo-95

MAT 4234 Inelastic Cross Section 42-Mo-95 -80.08 To 32.17 %



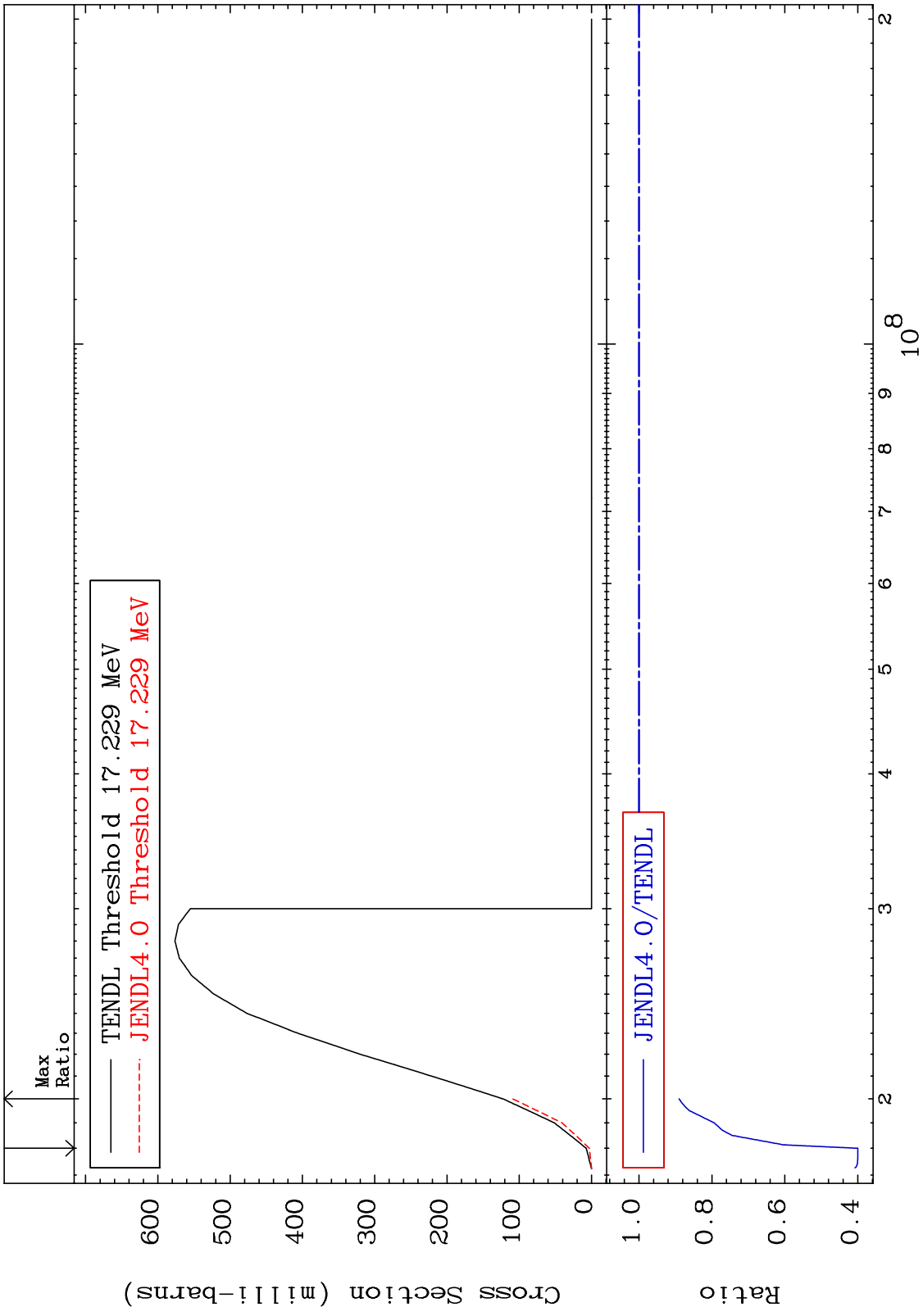
3 42-Mo-95

MAT 4234 (n,2n) Cross Section 42-Mo-95 To 465.6 %
2.539



42-Mo-95

MAT 4234 (n,3n) Cross Section 42-Mo-95
 -60.02 To -11.00%



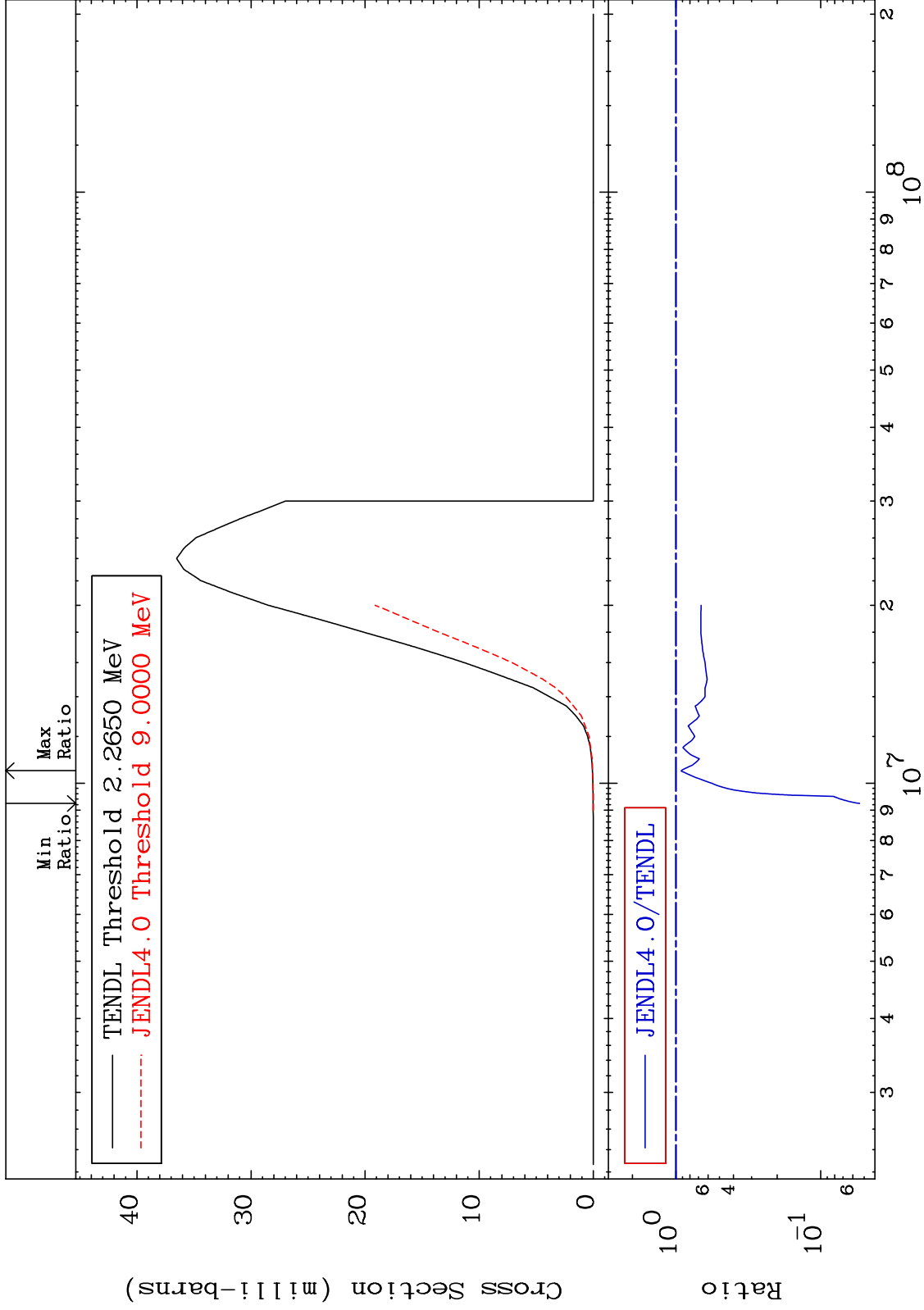
MAT 4234

(n, n') α

42-Mo-95

-94.62 To -7.414%

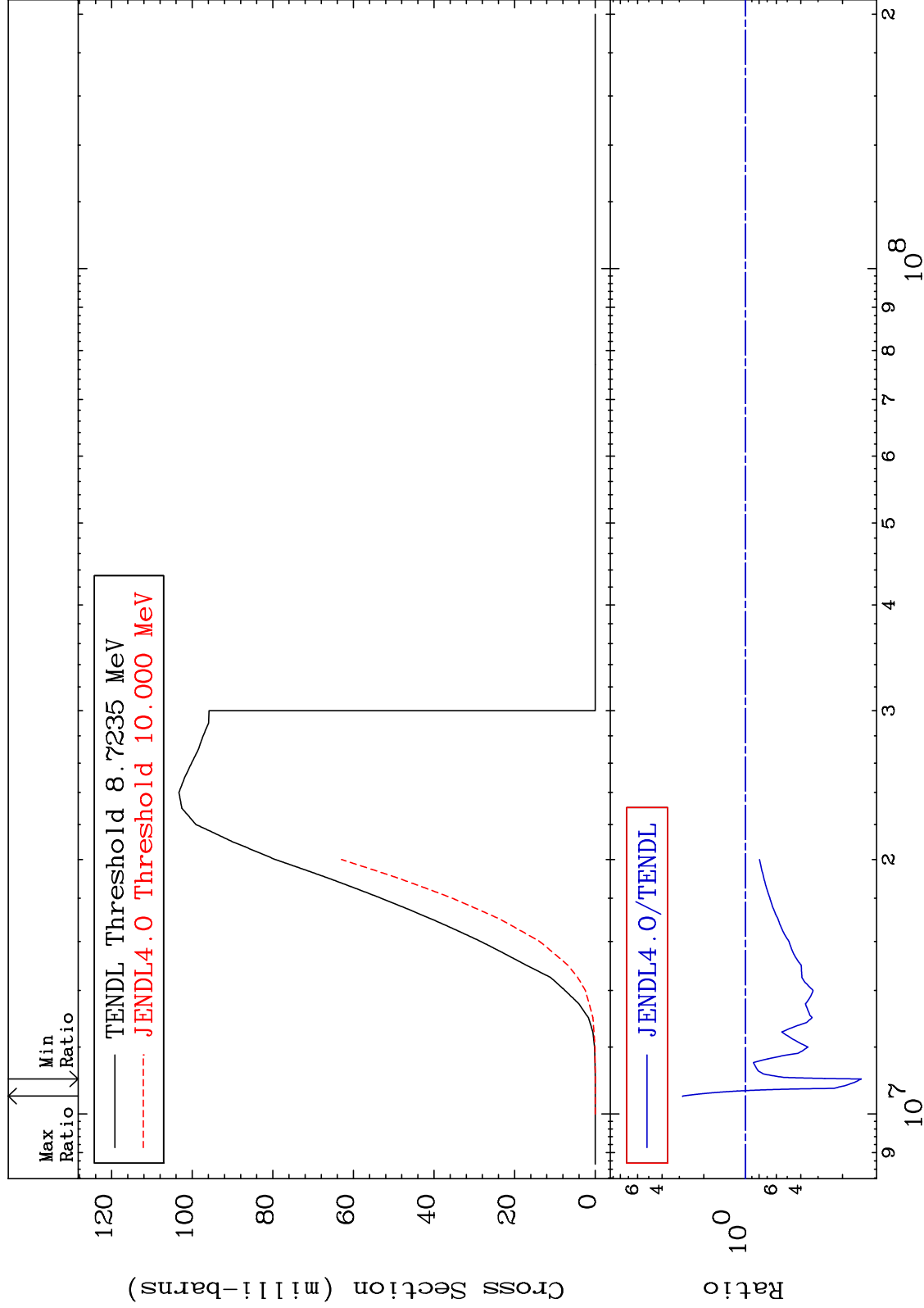
Cross Section



MAT 4234

(n,n') p
Cross Section

42-Mo-95
-85.37 To 184.2 %

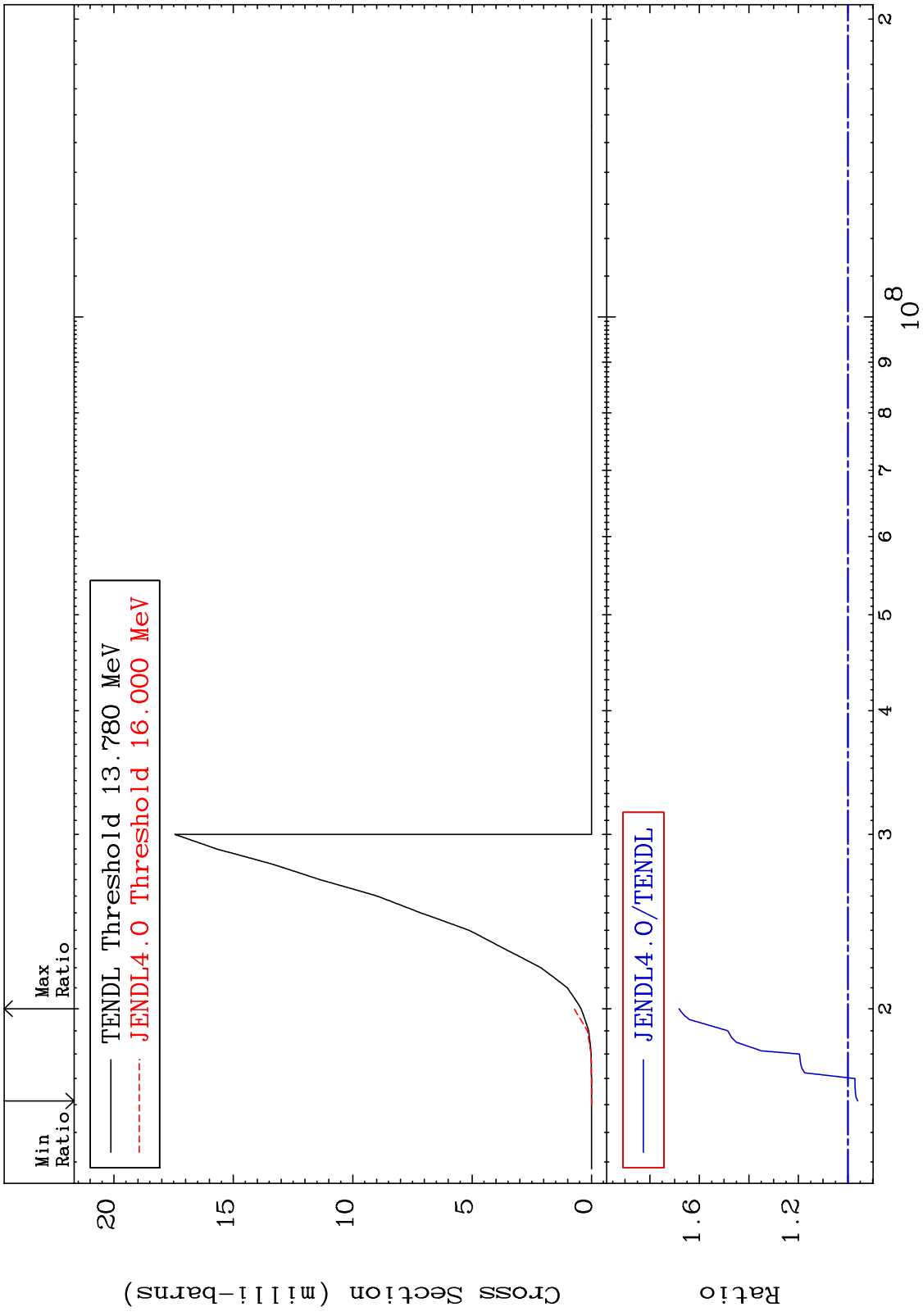


7

Incident Energy (eV)

42-Mo-95

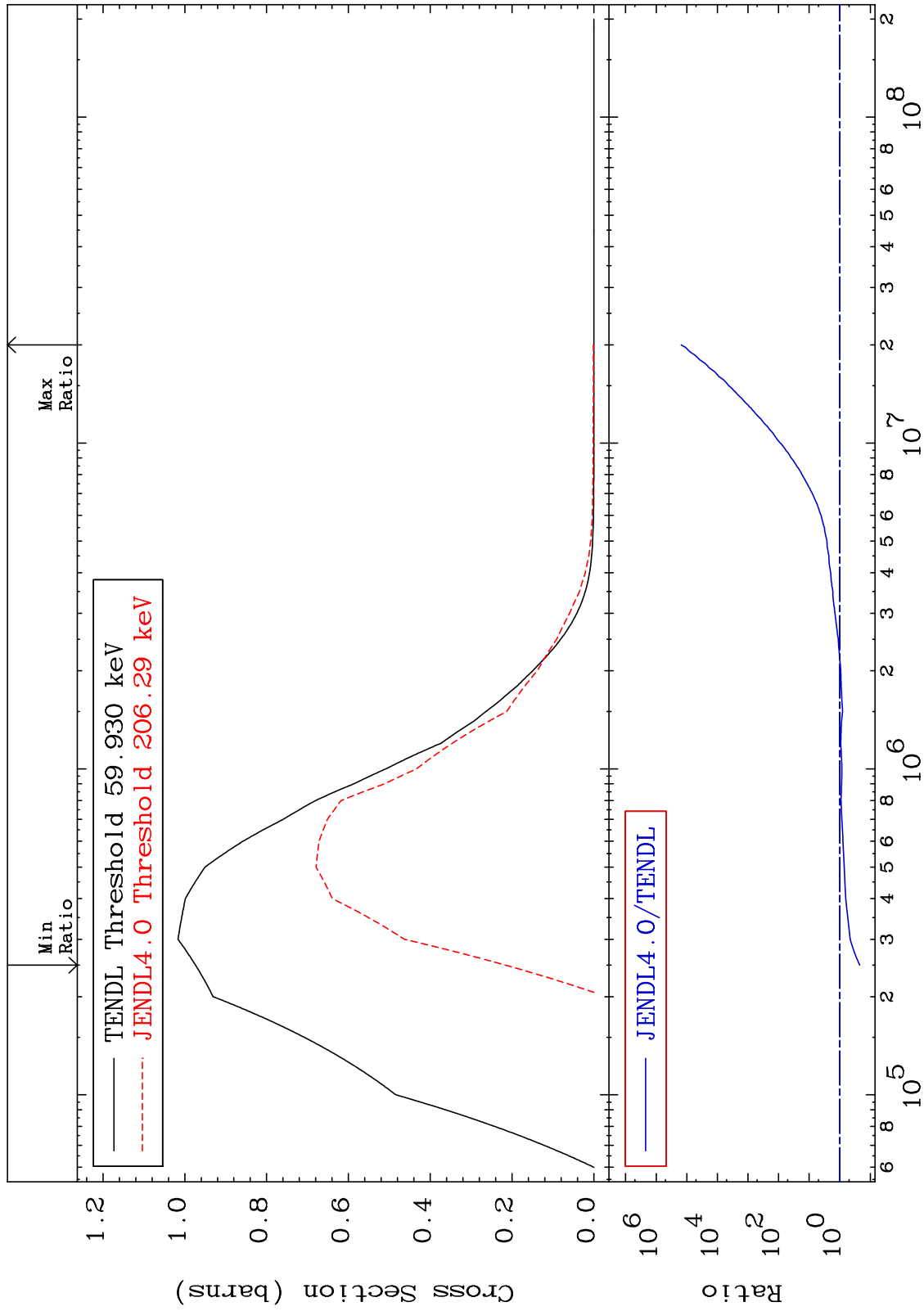
MAT 4234 (n,n') d 42-Mo-95
 Cross Section -4.021 To 68.20 %



MAT 4234

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

42-Mo-95
-77.82 To 9999. %

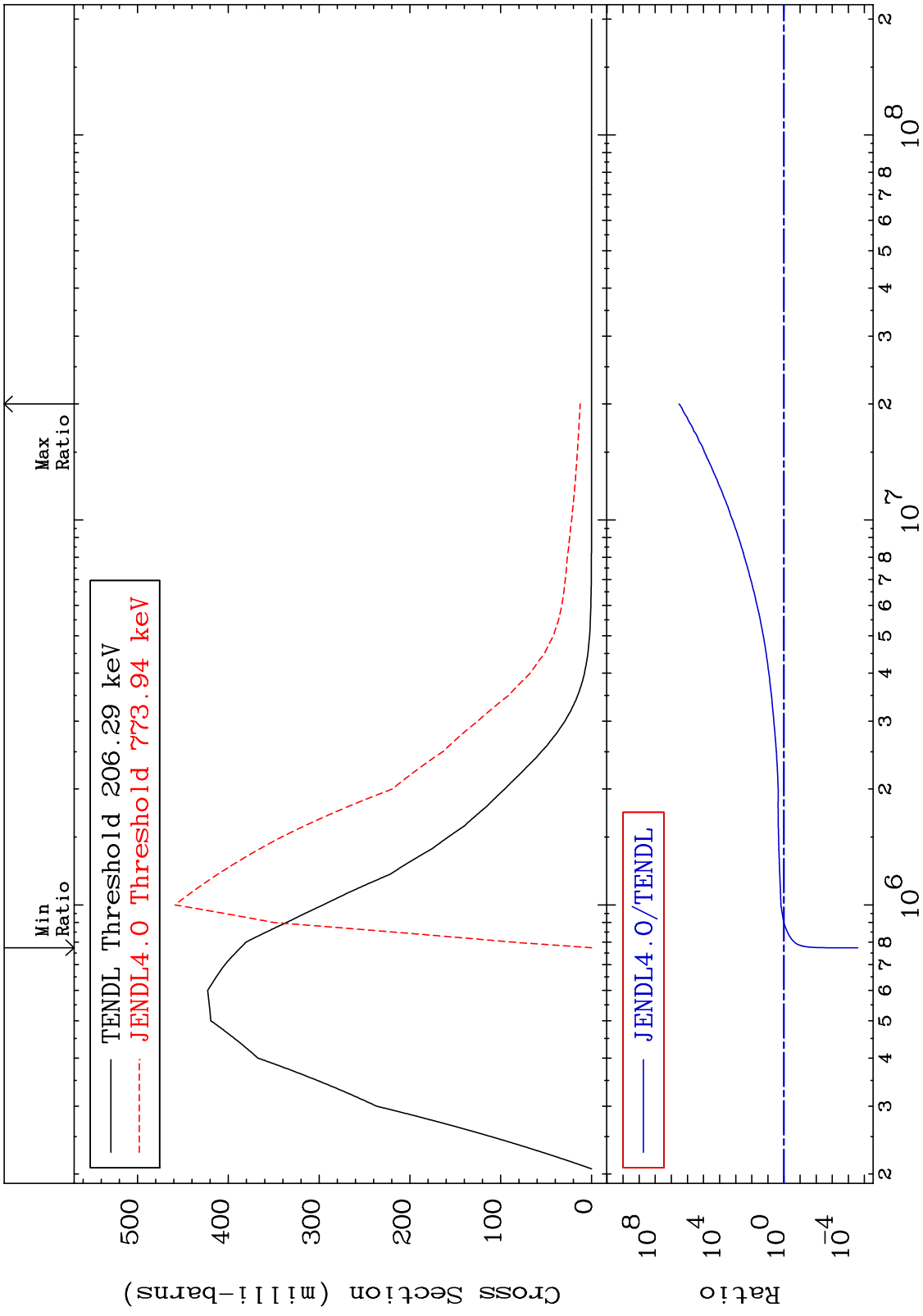


9

Incident Energy (eV)

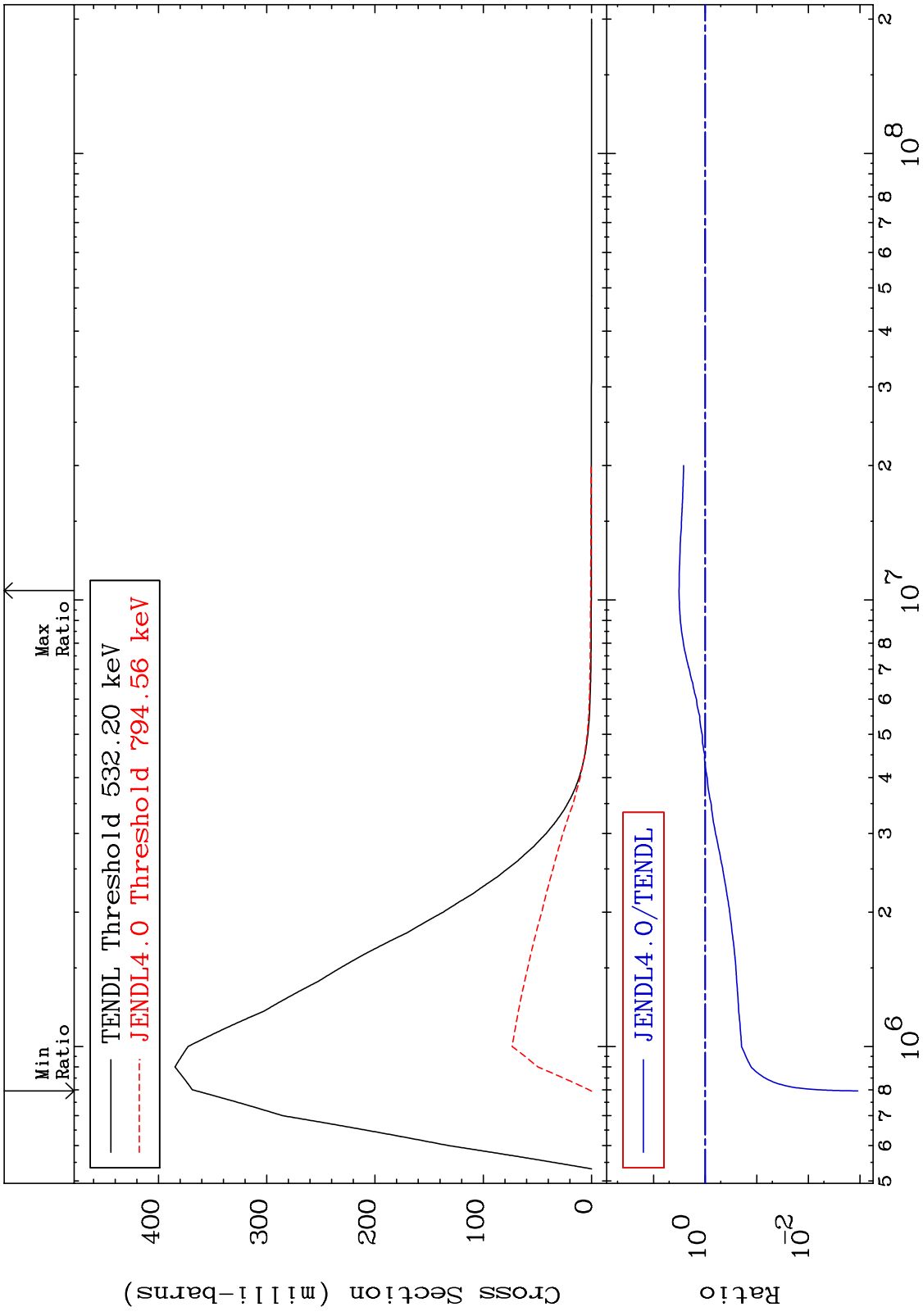
42-Mo-95

MAT 4234 MT= 52 (n,n') Level Cross Section 42-Mo-95
 -100.0 To 9999. %

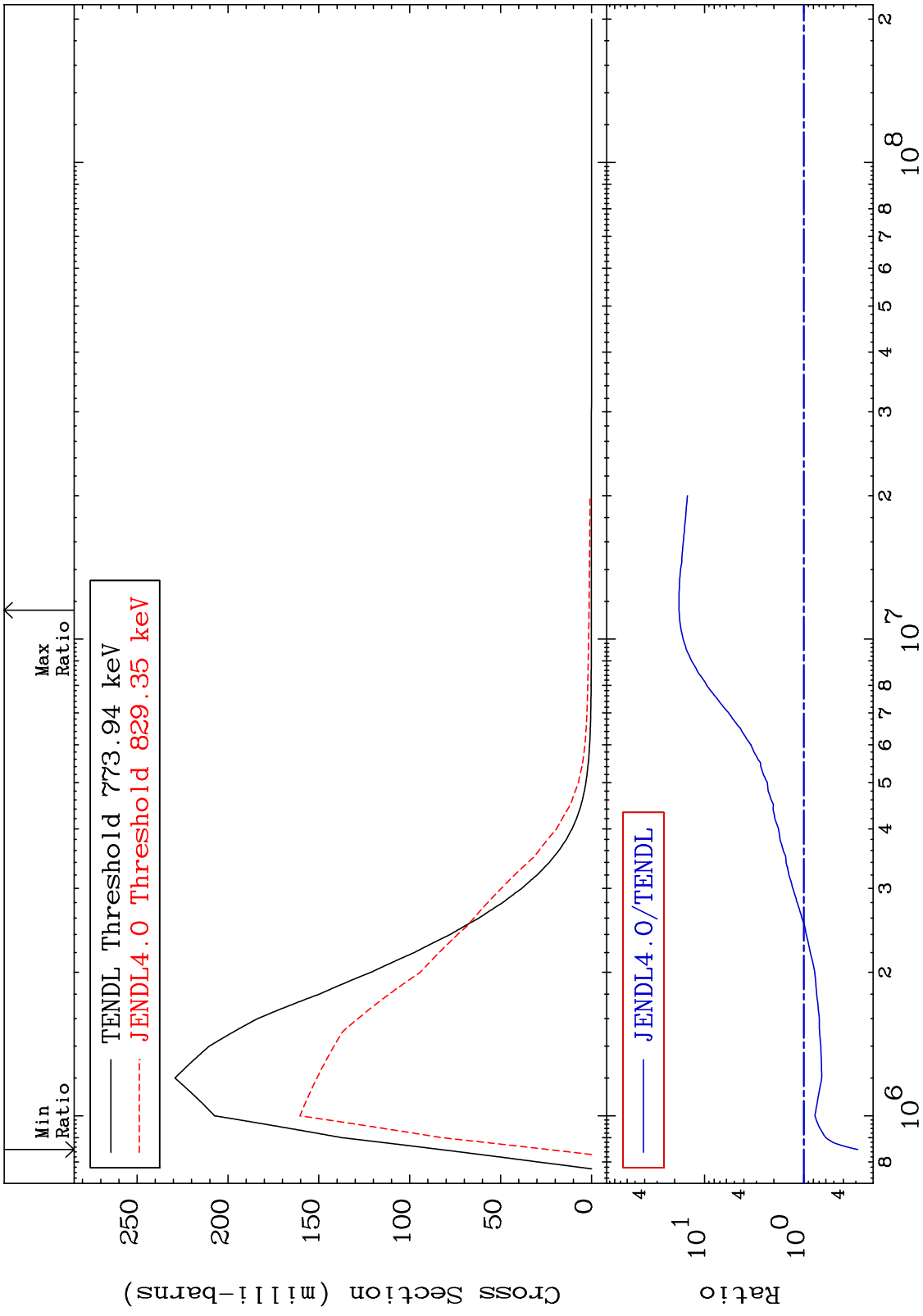


10 42-Mo-95

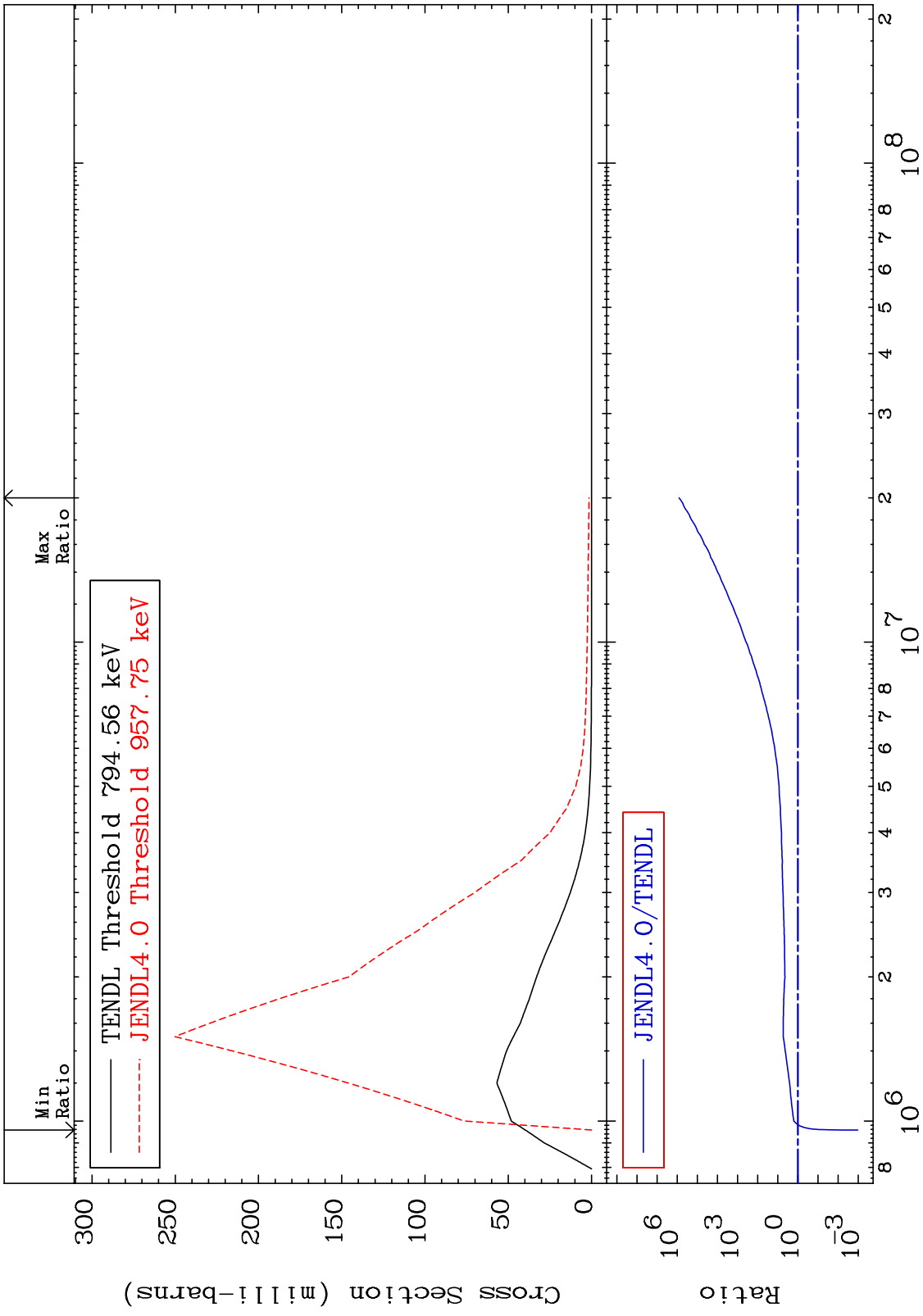
MAT 4234 MT= 53 (n,n') Level Cross Section -99.89 To 220.8 % 42-Mo-95



MAT 4234 MT= 54 (n,n') Level Cross Section -71.42 To 1702. % 42-Mo-95



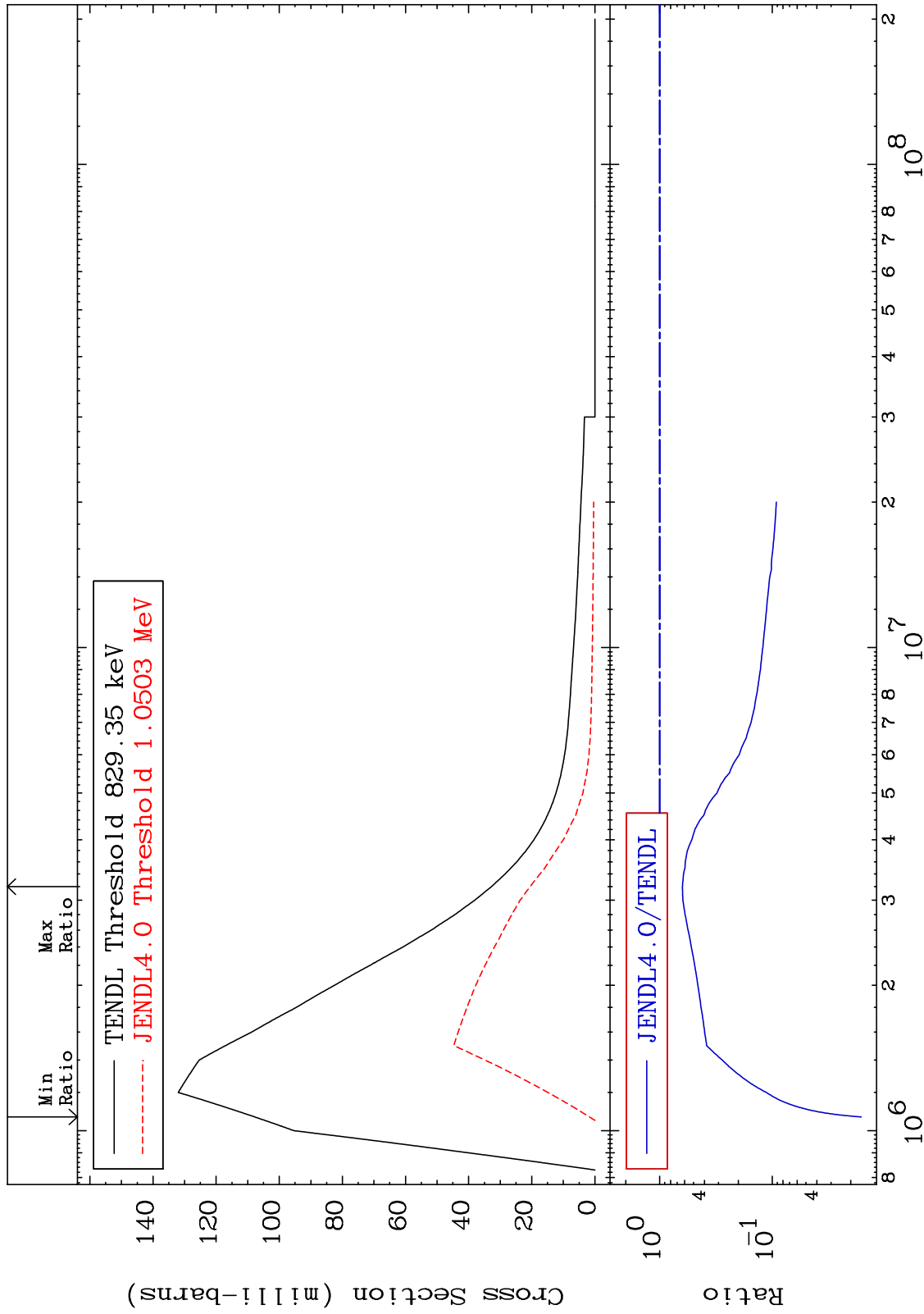
MAT 4234 MT= 55 (n,n') Level Cross Section 42-Mo-95
 -99.90 To 9999. %



MAT 4234

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

42-Mo-95
-98.39 To -37.35%

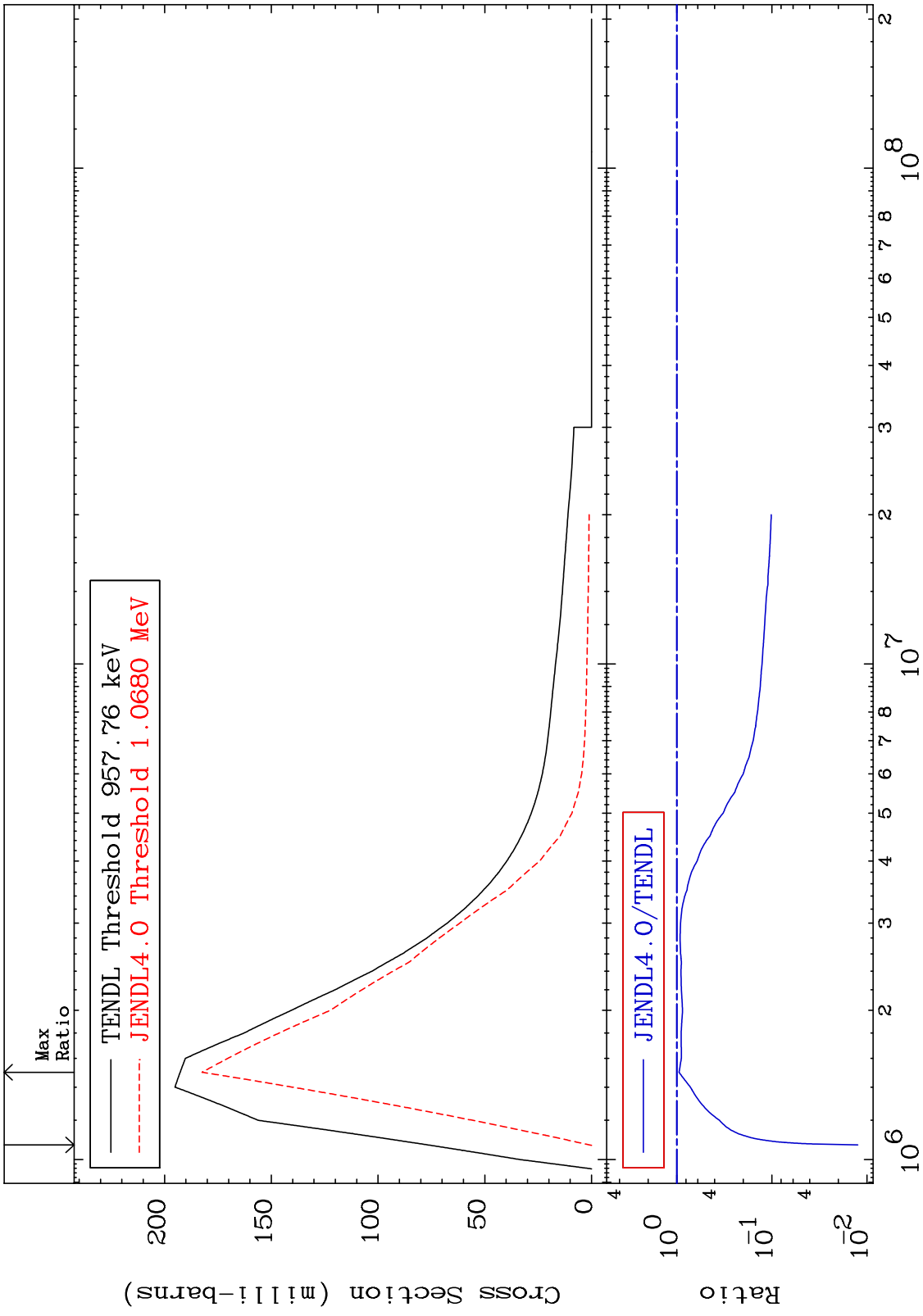


14

Incident Energy (eV)

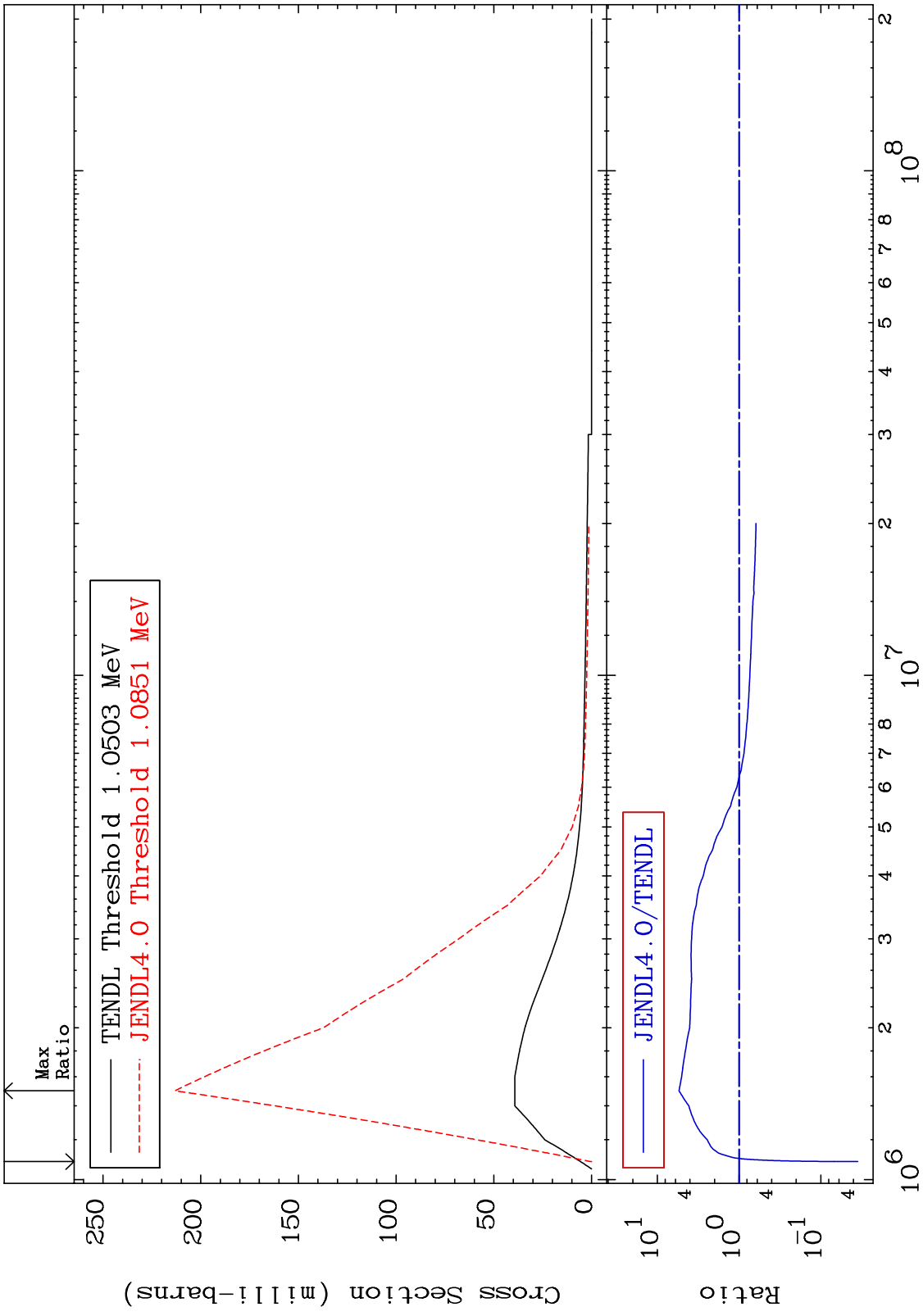
42-Mo-95

MAT 4234 MT= 57 (n,n') Level Cross Section 42-Mo-95
-98.75 To -5.341%



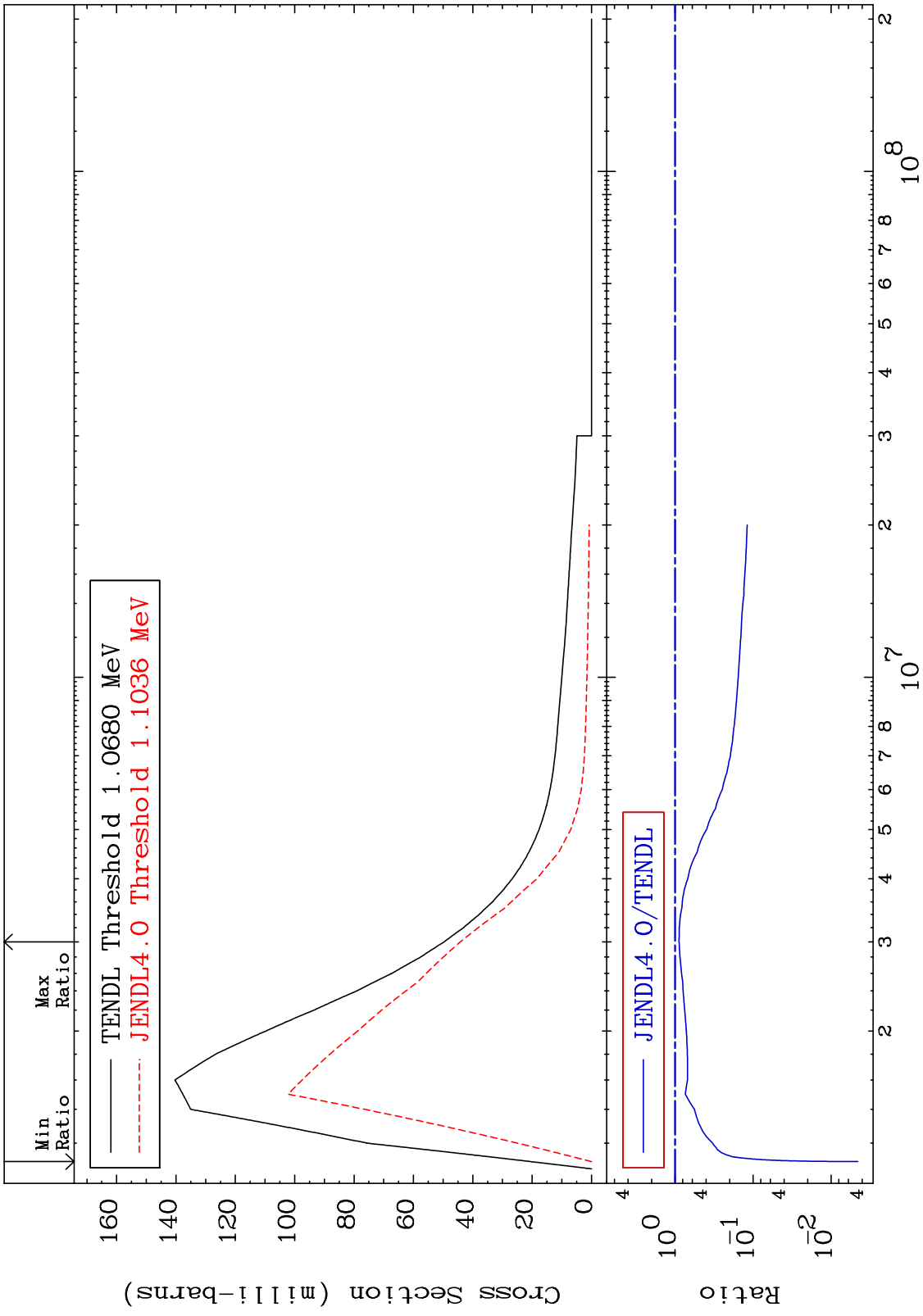
15 10⁶ 10⁷ 10⁸ 2 3 4 5 6 7 8 15 42-Mo-95

MAT 4234 MT= 58 (n,n') Level Cross Section -96.47 To 443.2 % 42-Mo-95

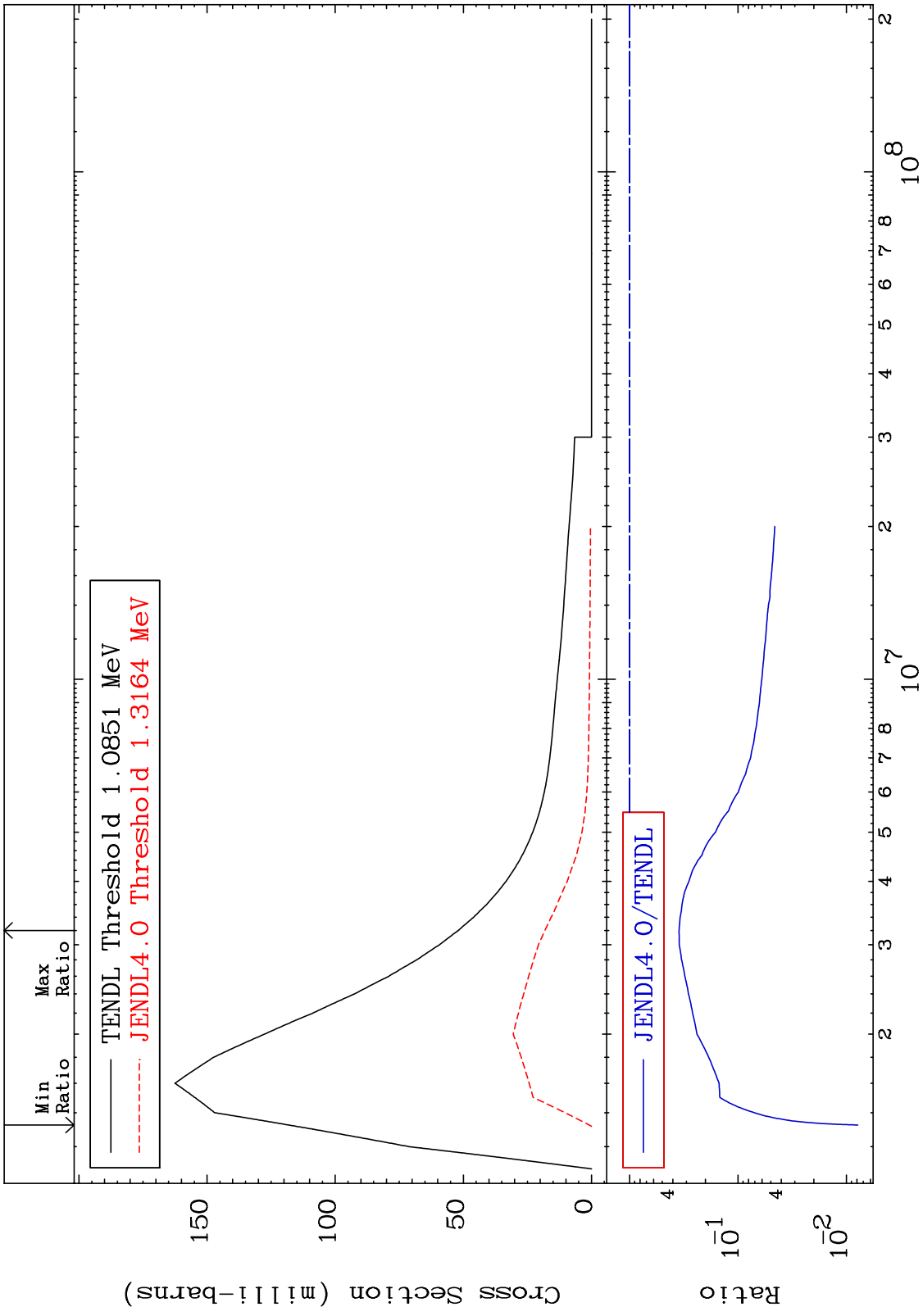


16 Incident Energy (eV) 42-Mo-95

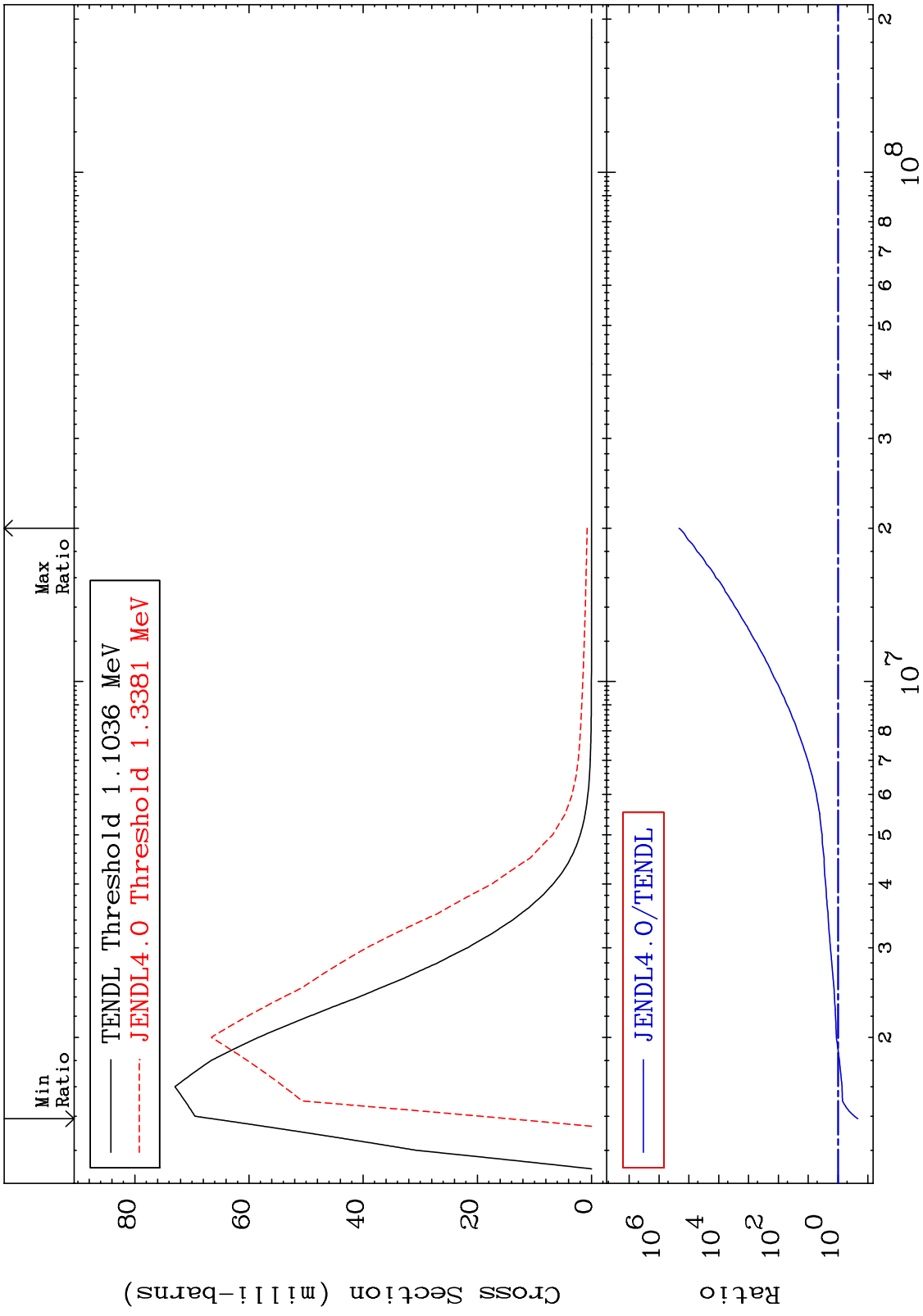
MAT 4234 MT= 59 (n,n') Level Cross Section 42-Mo-95 -99.54 To -10.98%



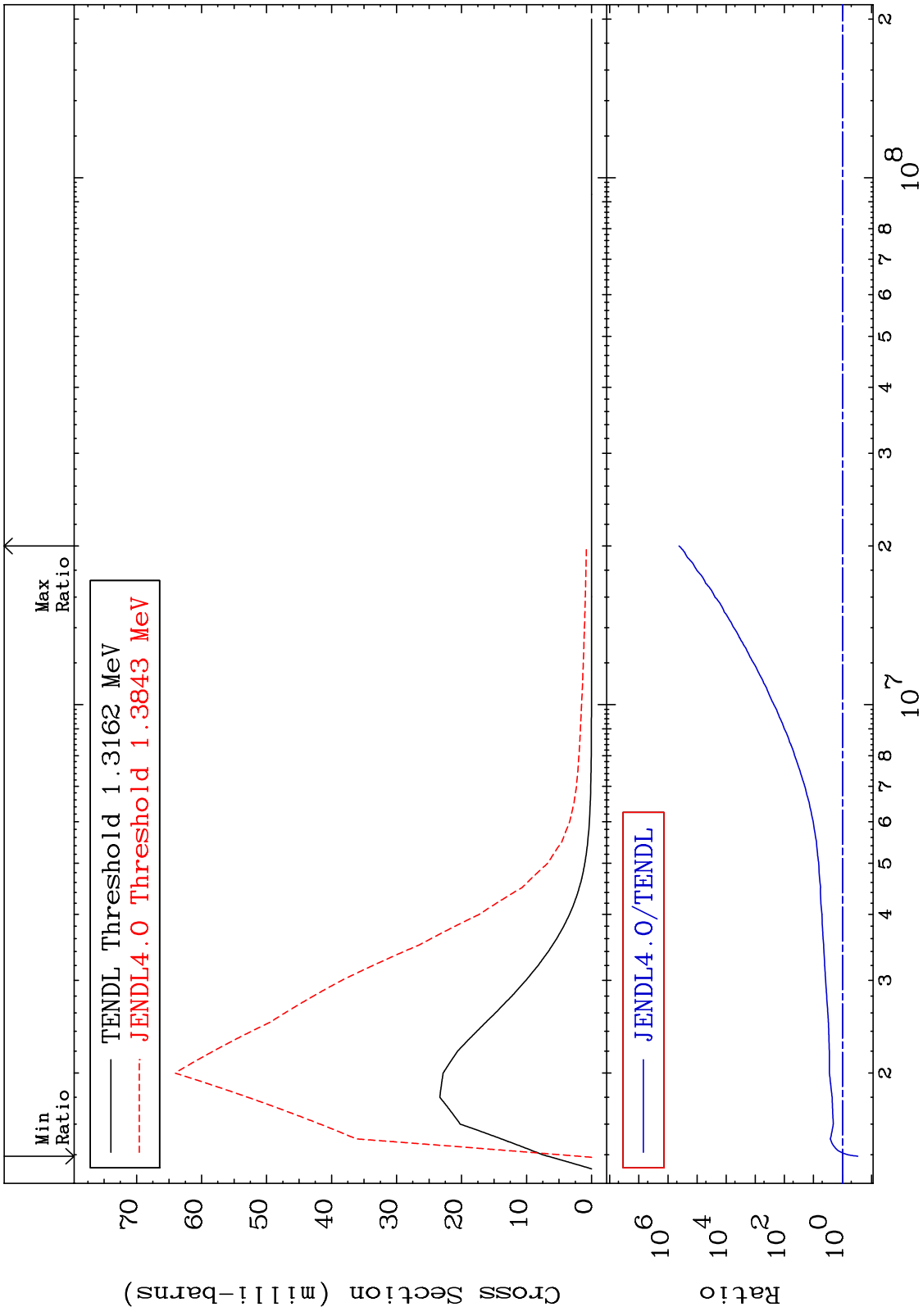
MAT 4234 MT= 60 (n,n') Level Cross Section 42-Mo-95
 -99.21 To -65.00%



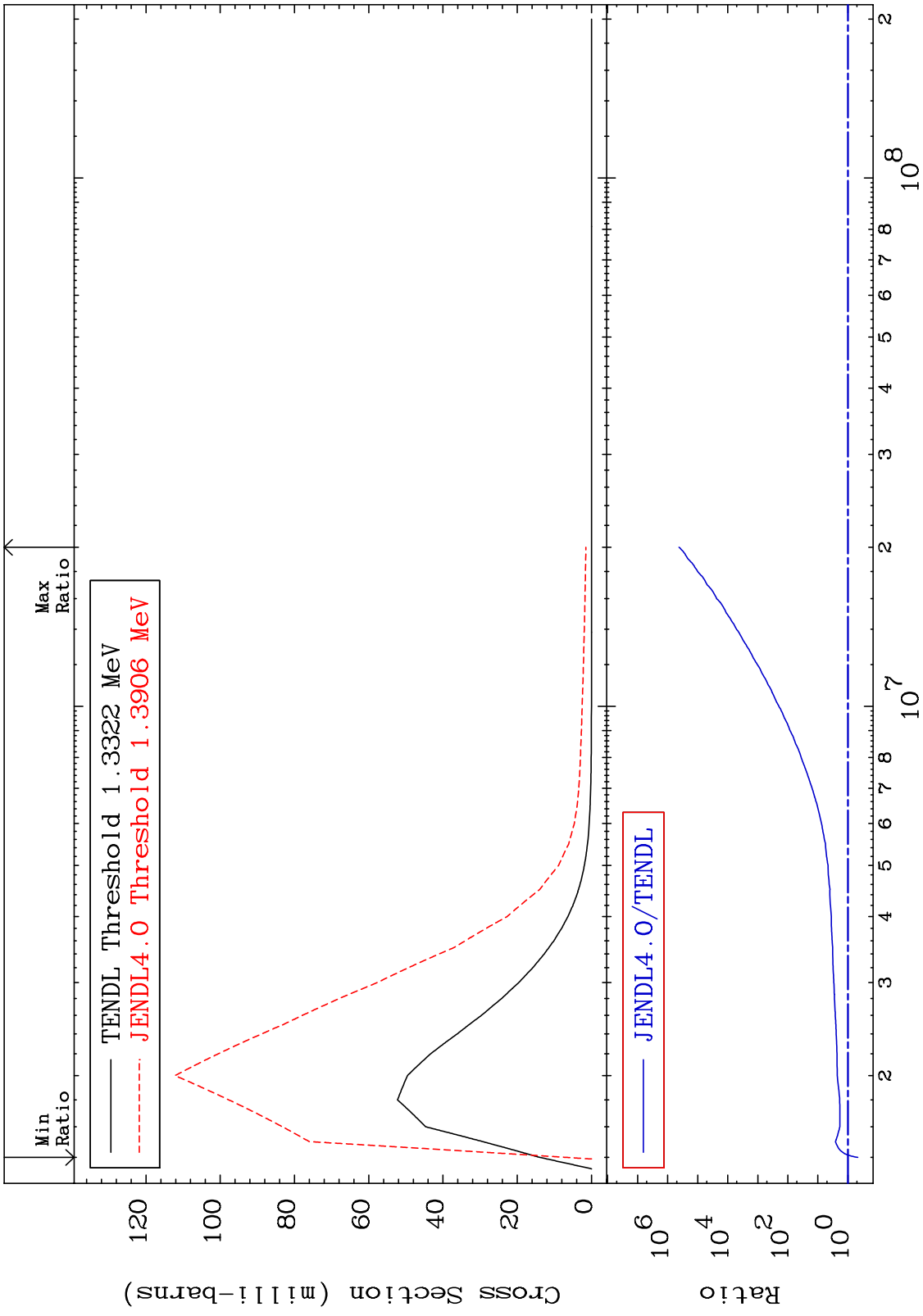
MAT 4234 MT= 61 (n,n') Level Cross Section -78.23 To 9999. % 42-Mo-95



MAT 4234 MT= 62 (n,n') Level Cross Section -70.44 To 9999. % 42-Mo-95



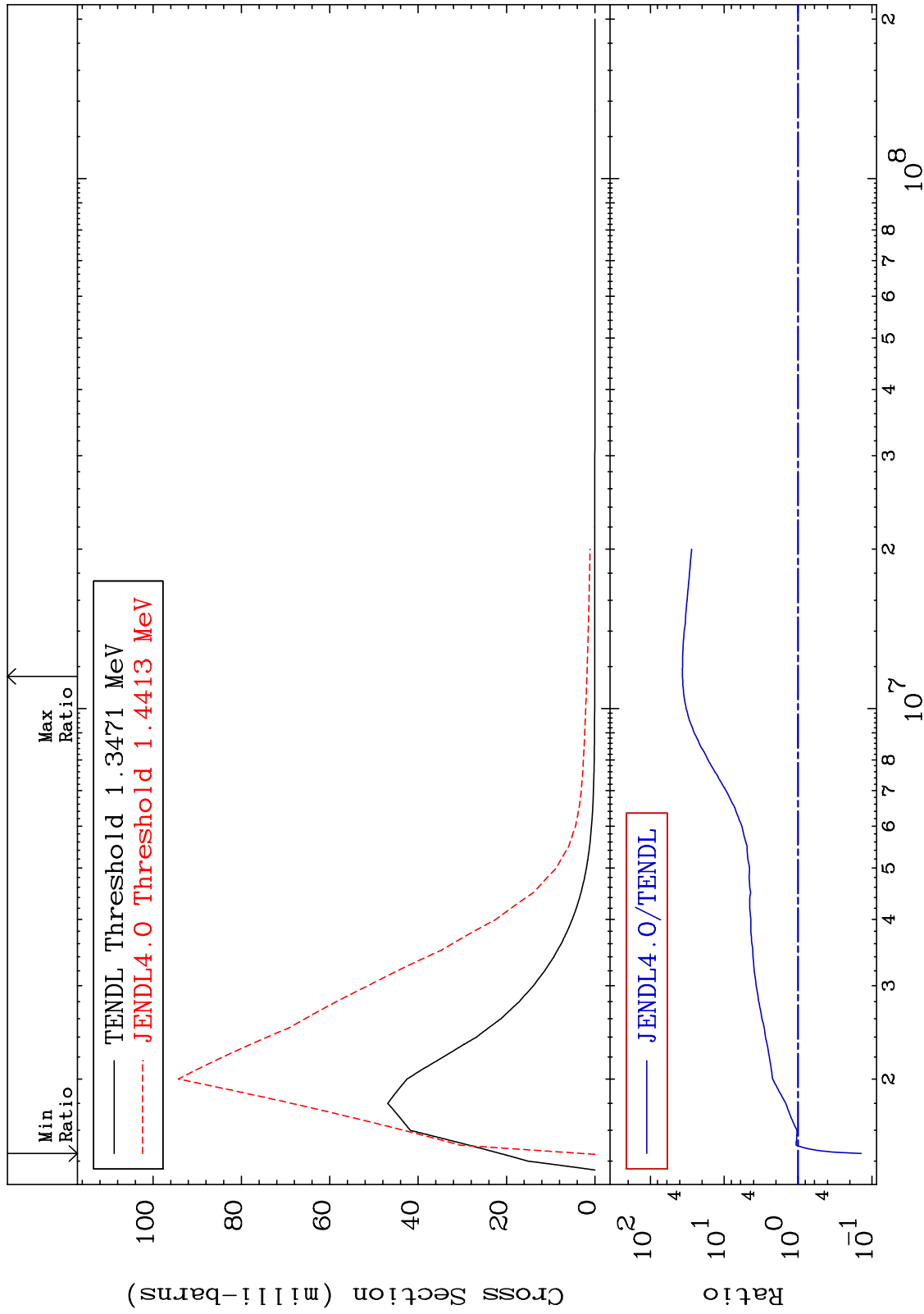
MAT 4234 MT= 63 (n,n') Level Cross Section -53.24 To 9999. % 42-Mo-95



MAT 4234

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

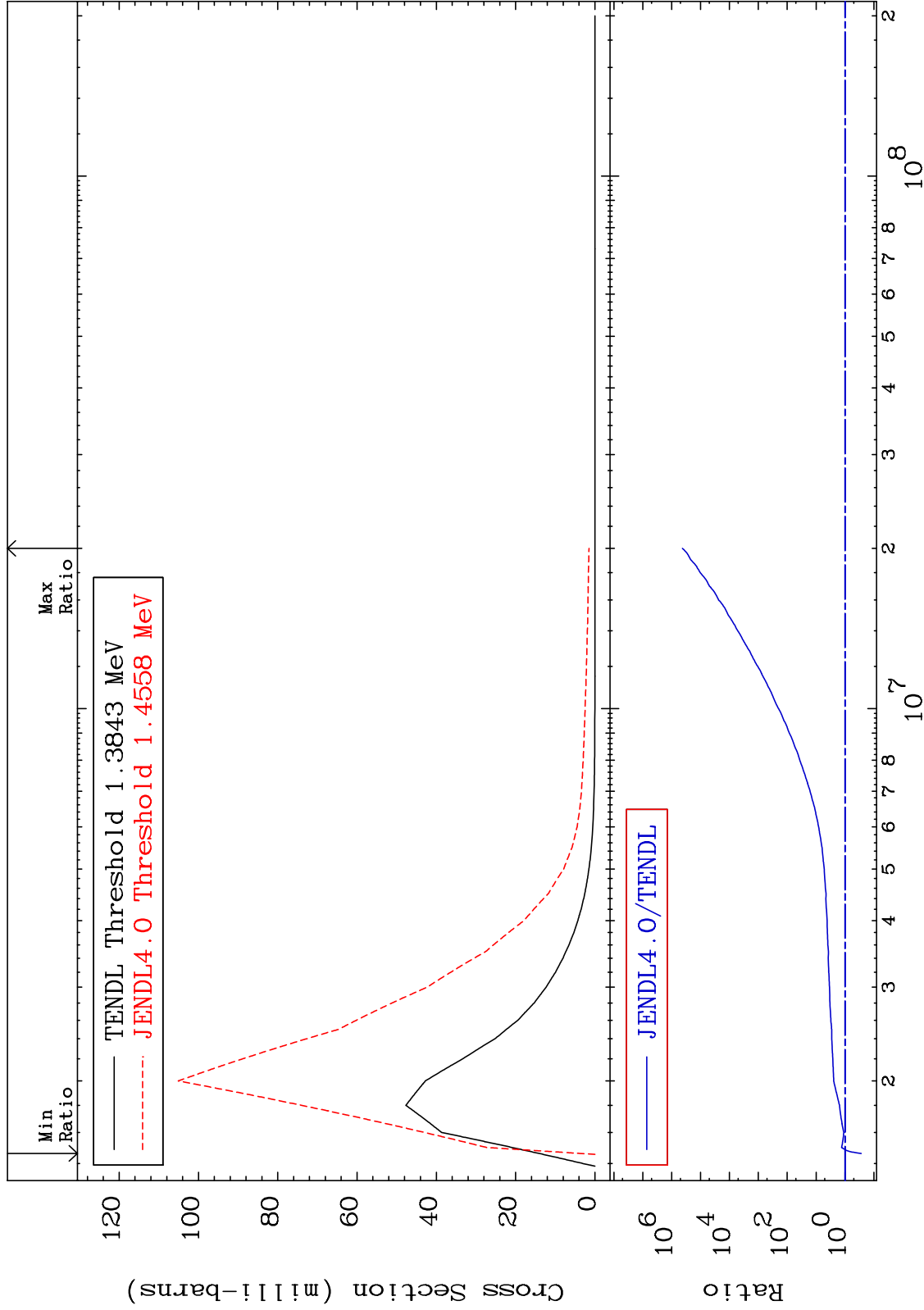
42-Mo-95
-86.03 To 3579. %



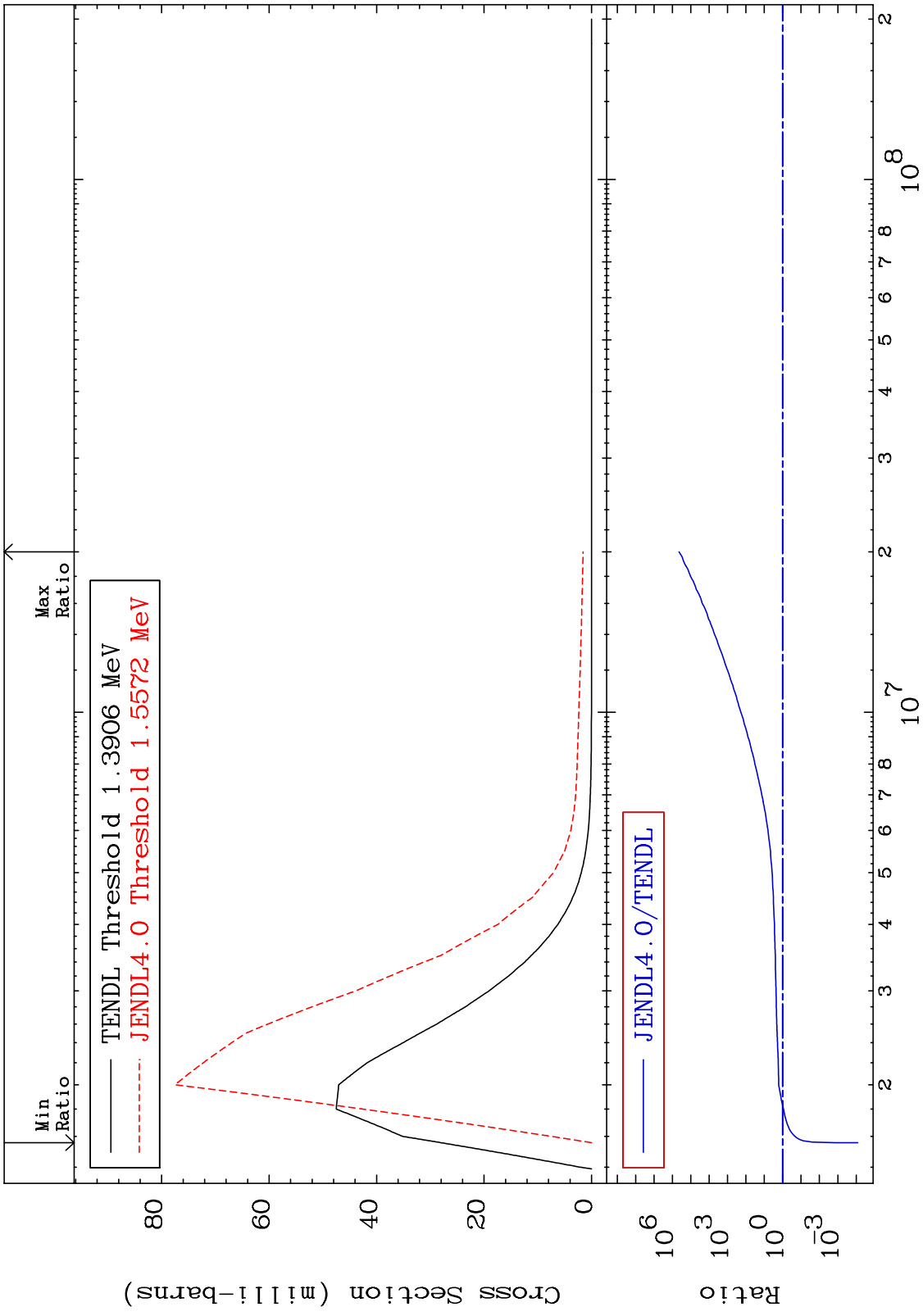
MAT 4234

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

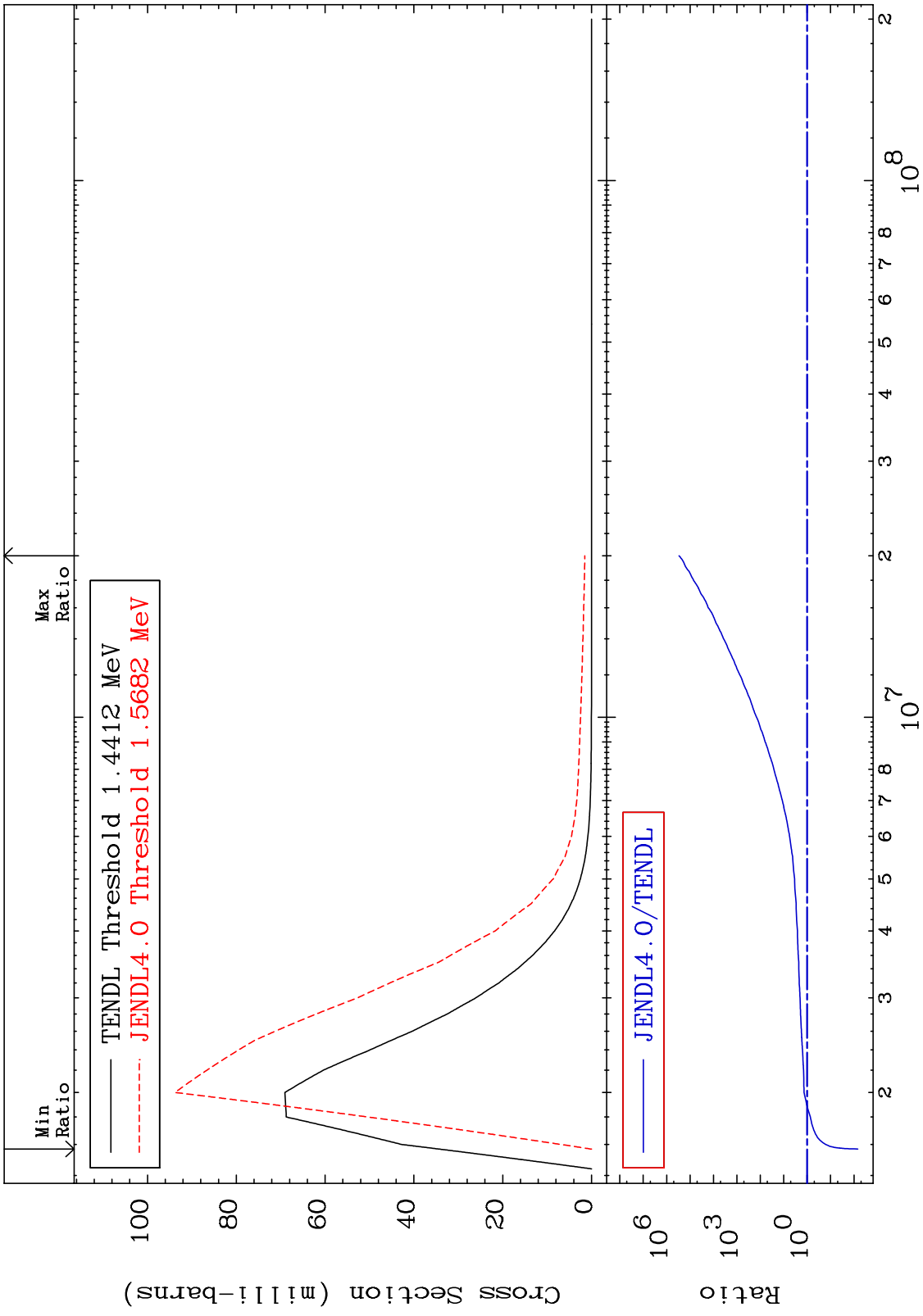
42-Mo-95
-72.67 To 9999. %



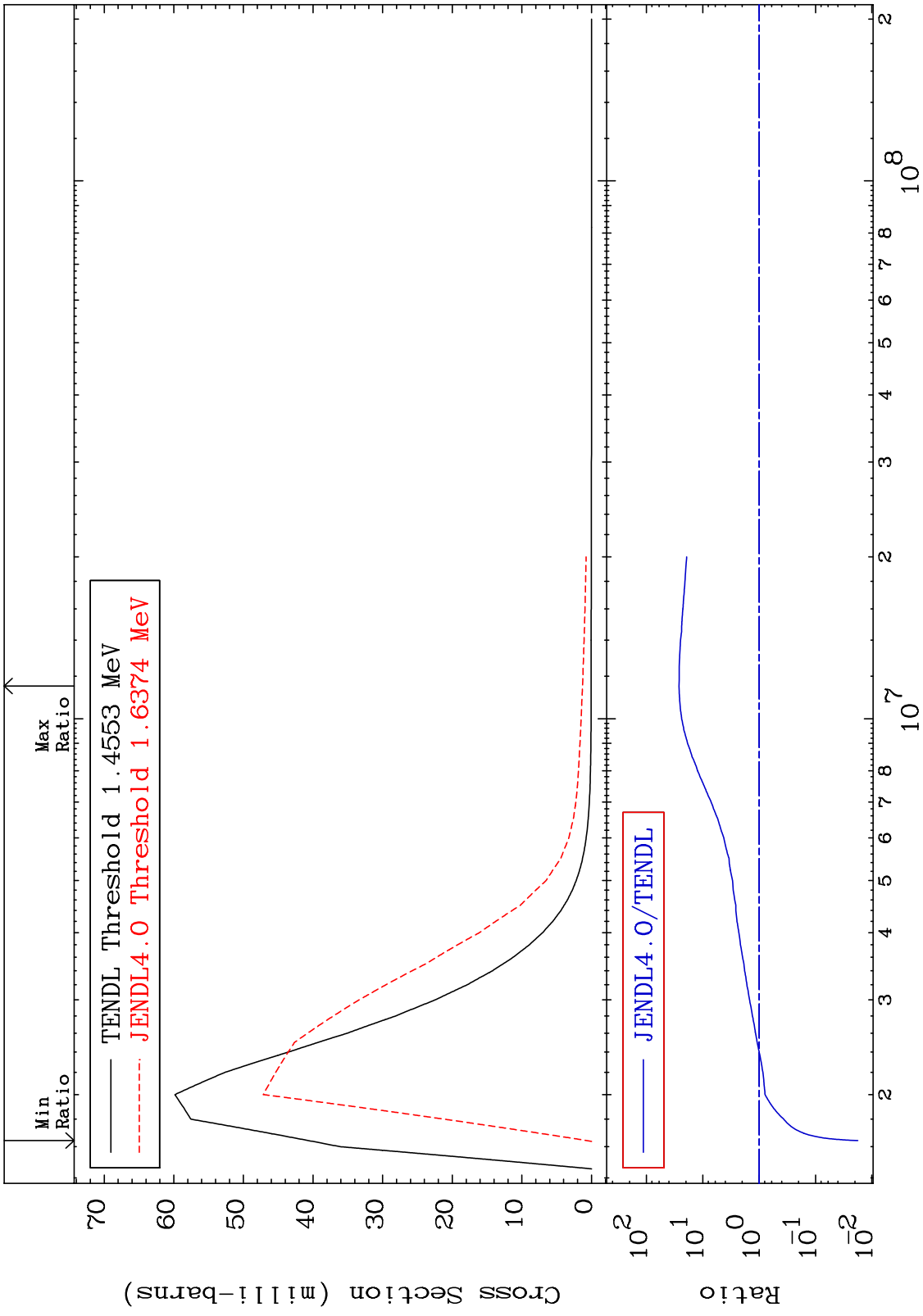
MAT 4234 MT= 66 (n,n') Level Cross Section -99.99 To 9999. % 42-Mo-95



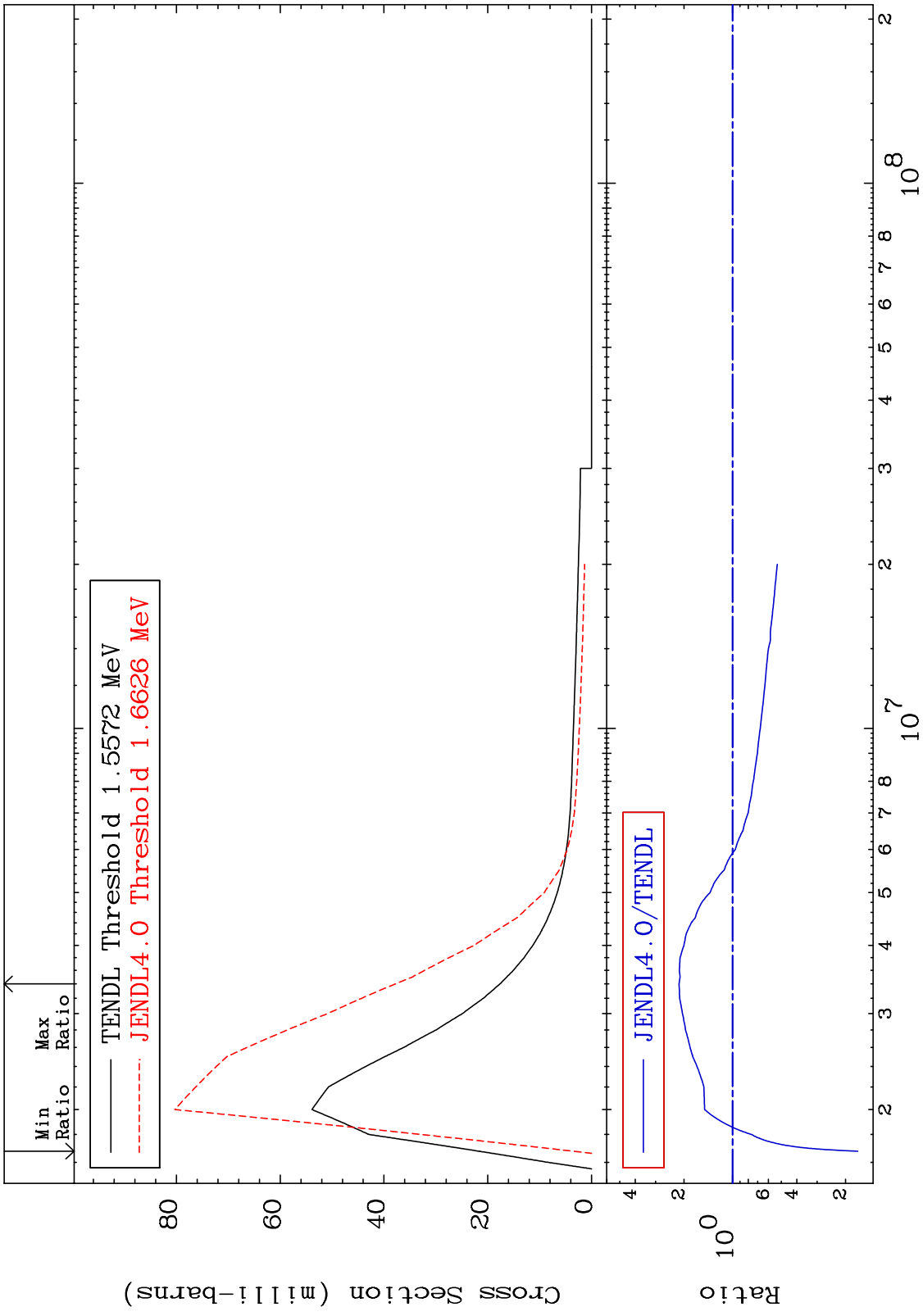
MAT 4234 MT= 67 (n,n') Level Cross Section -99.32 To 9999. % 42-Mo-95



MAT 4234 MT= 68 (n,n') Level Cross Section -98.22 To 2546. % 42-Mo-95



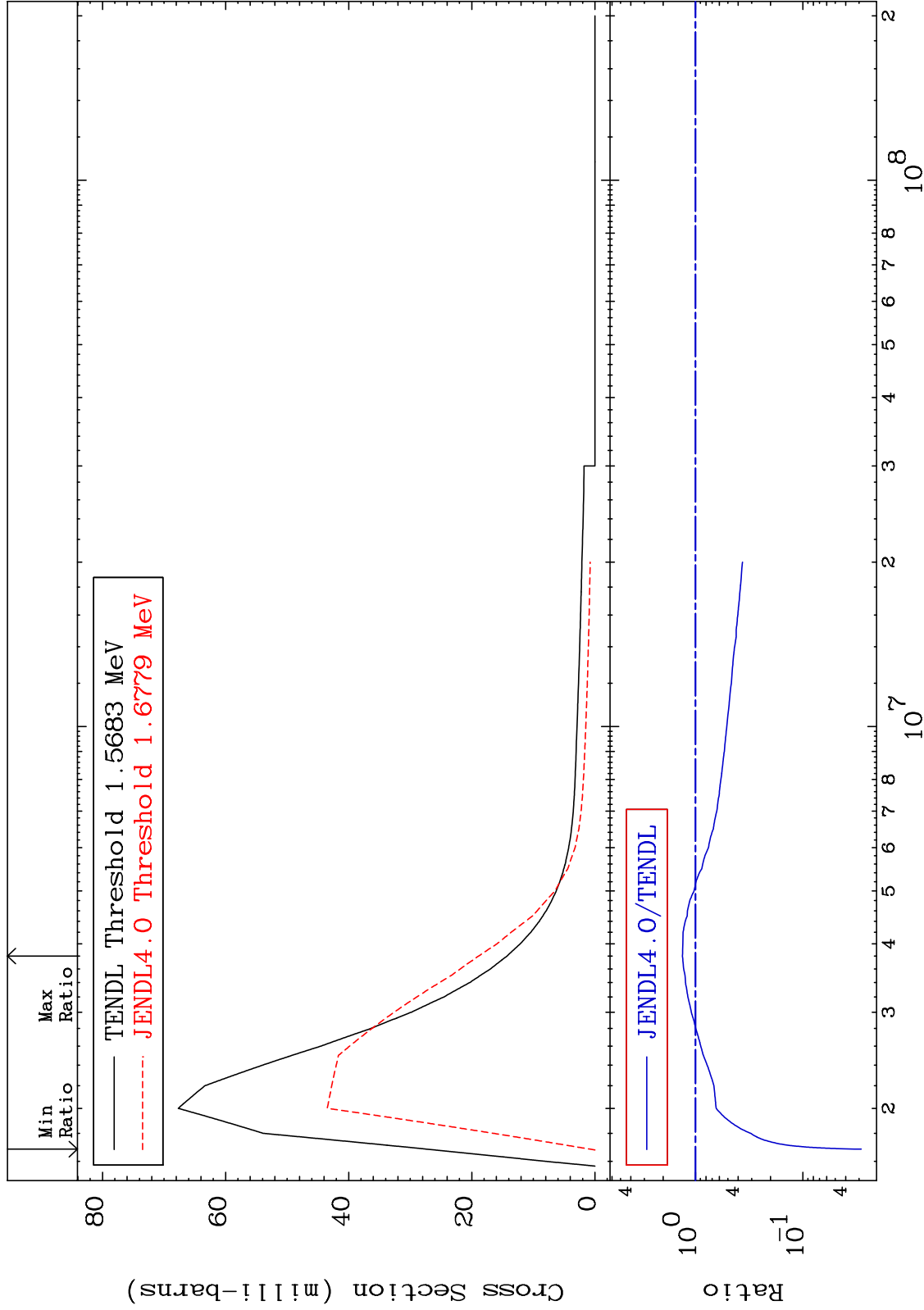
MAT 4234 MT= 69 (n,n') Level Cross Section -83.23 To 114.5 % 42-Mo-95



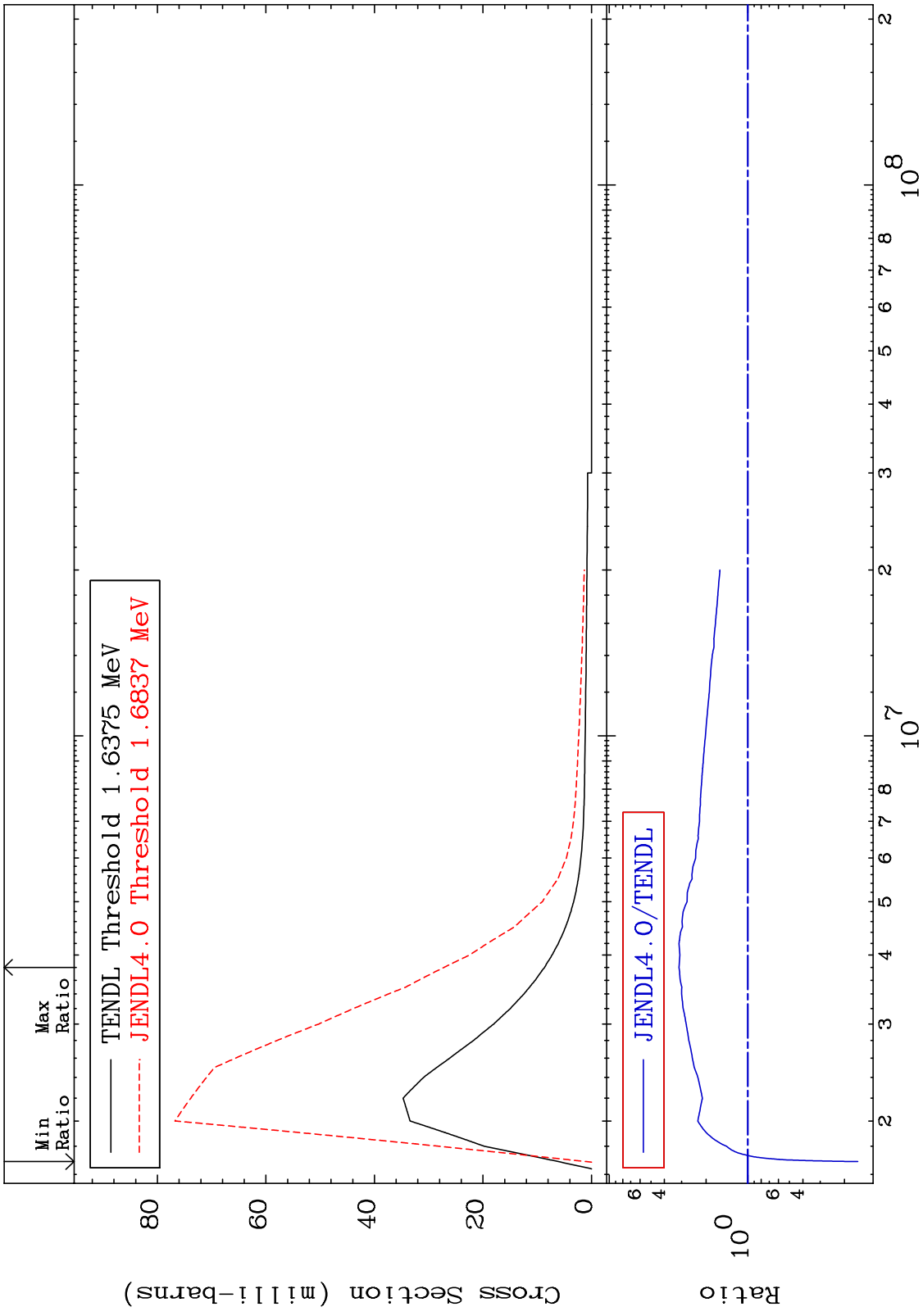
MAT 4234

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

42-Mo-95
-97.14 To 32.27 %



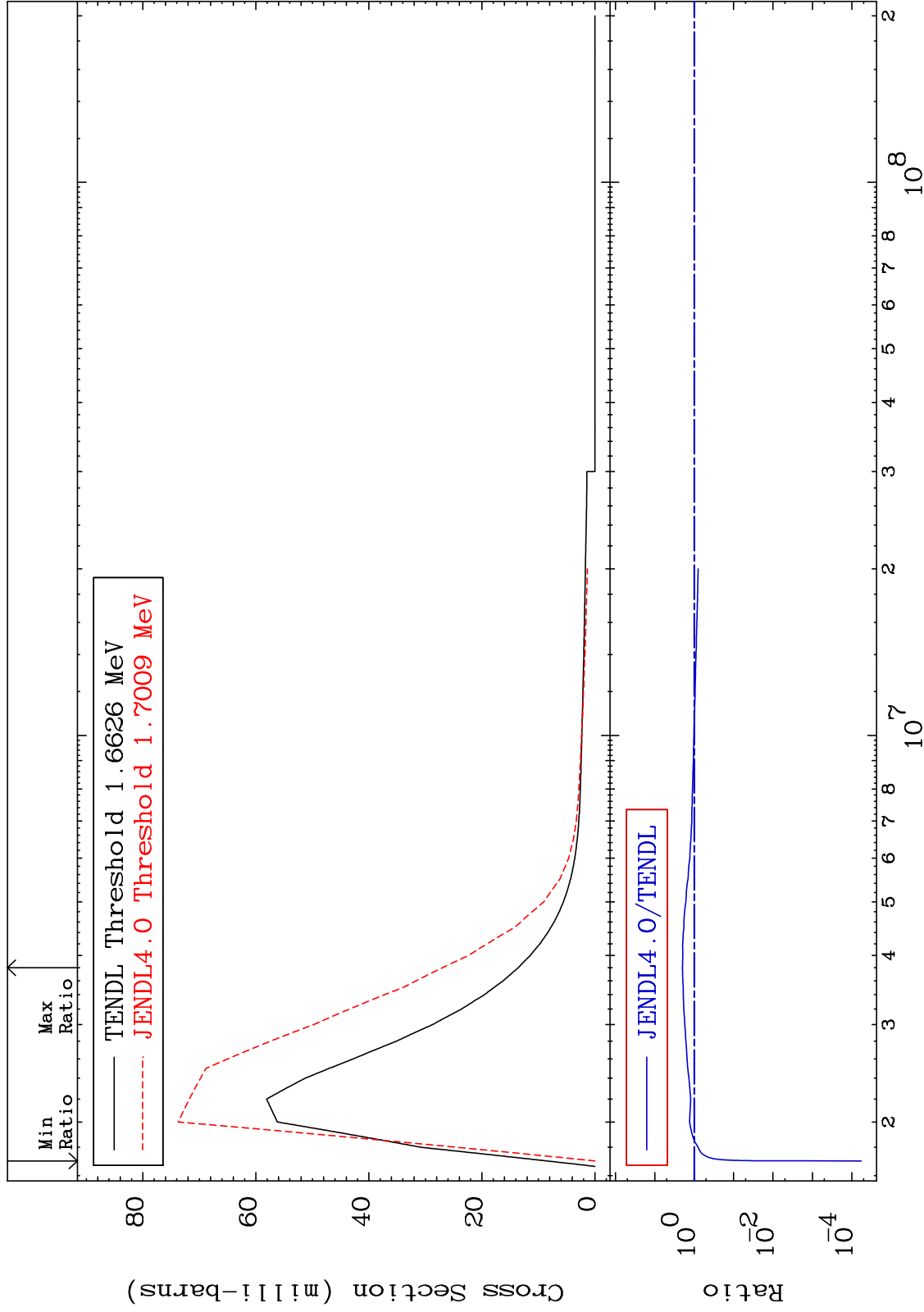
MAT 4234 MT= 71 (n,n') Level Cross Section -83.98 To 213.6 % 42-Mo-95



MAT 4234

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

42-Mo-95
-99.99 To 98.79 %

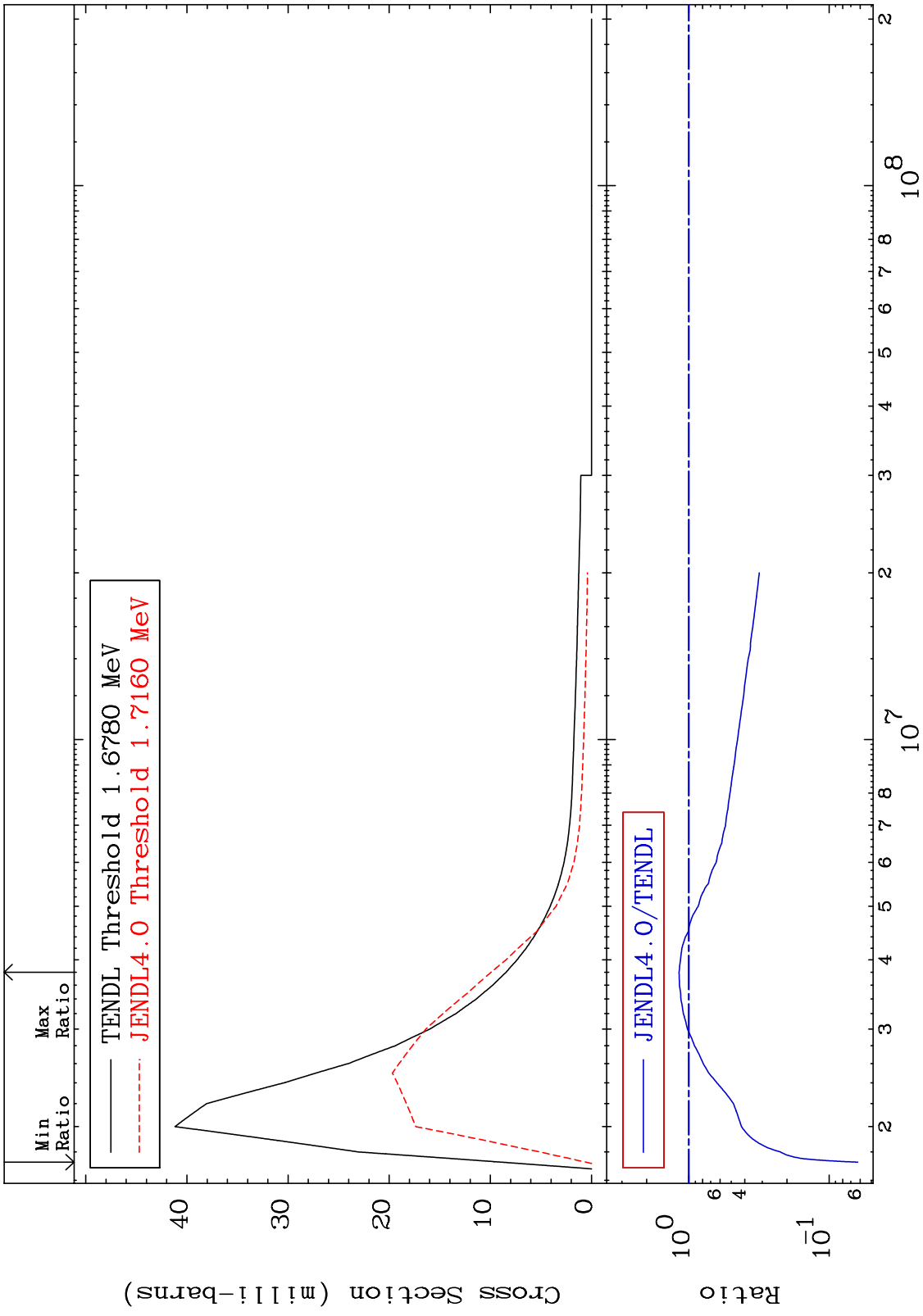


30

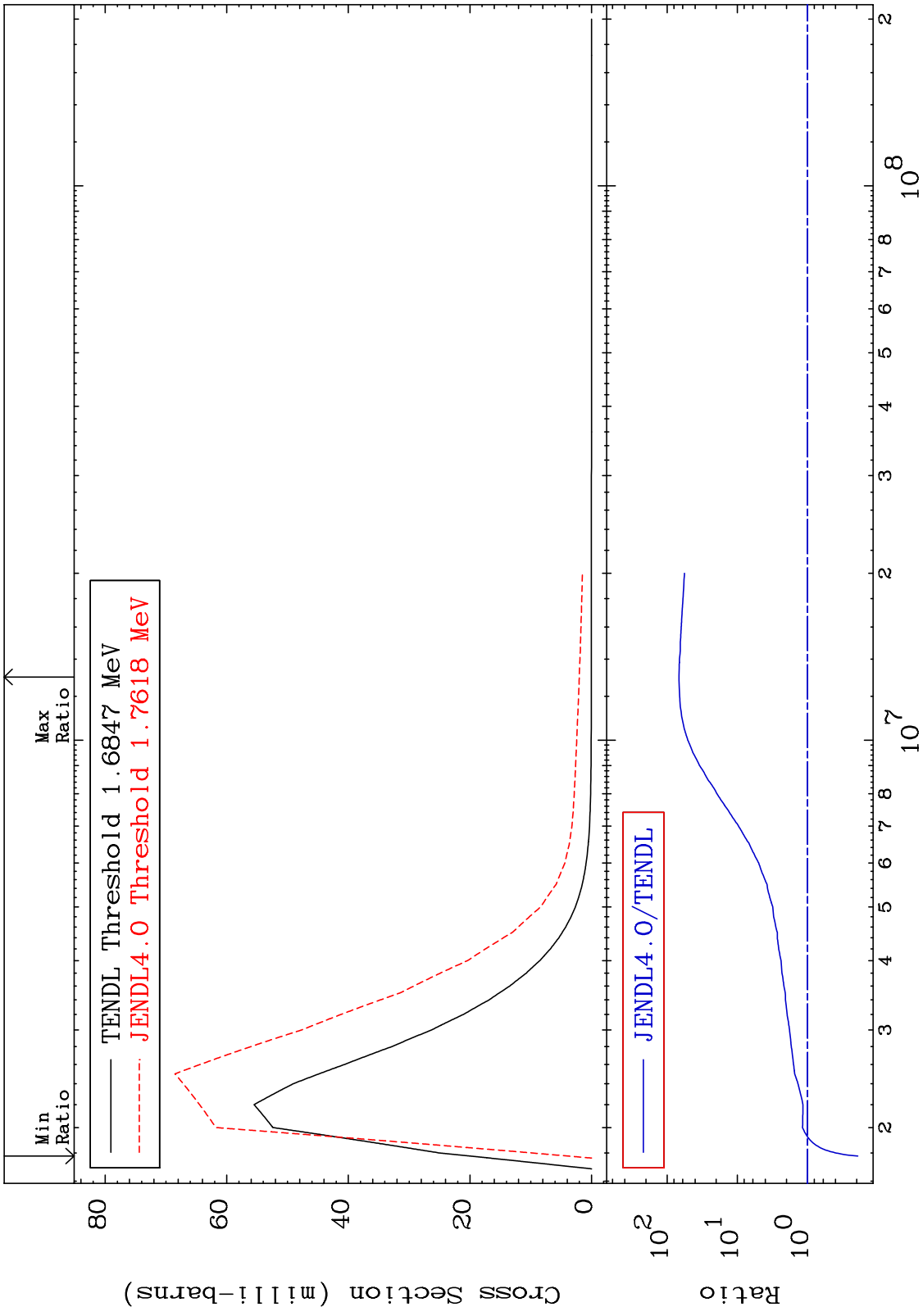
Incident Energy (eV)

42-Mo-95

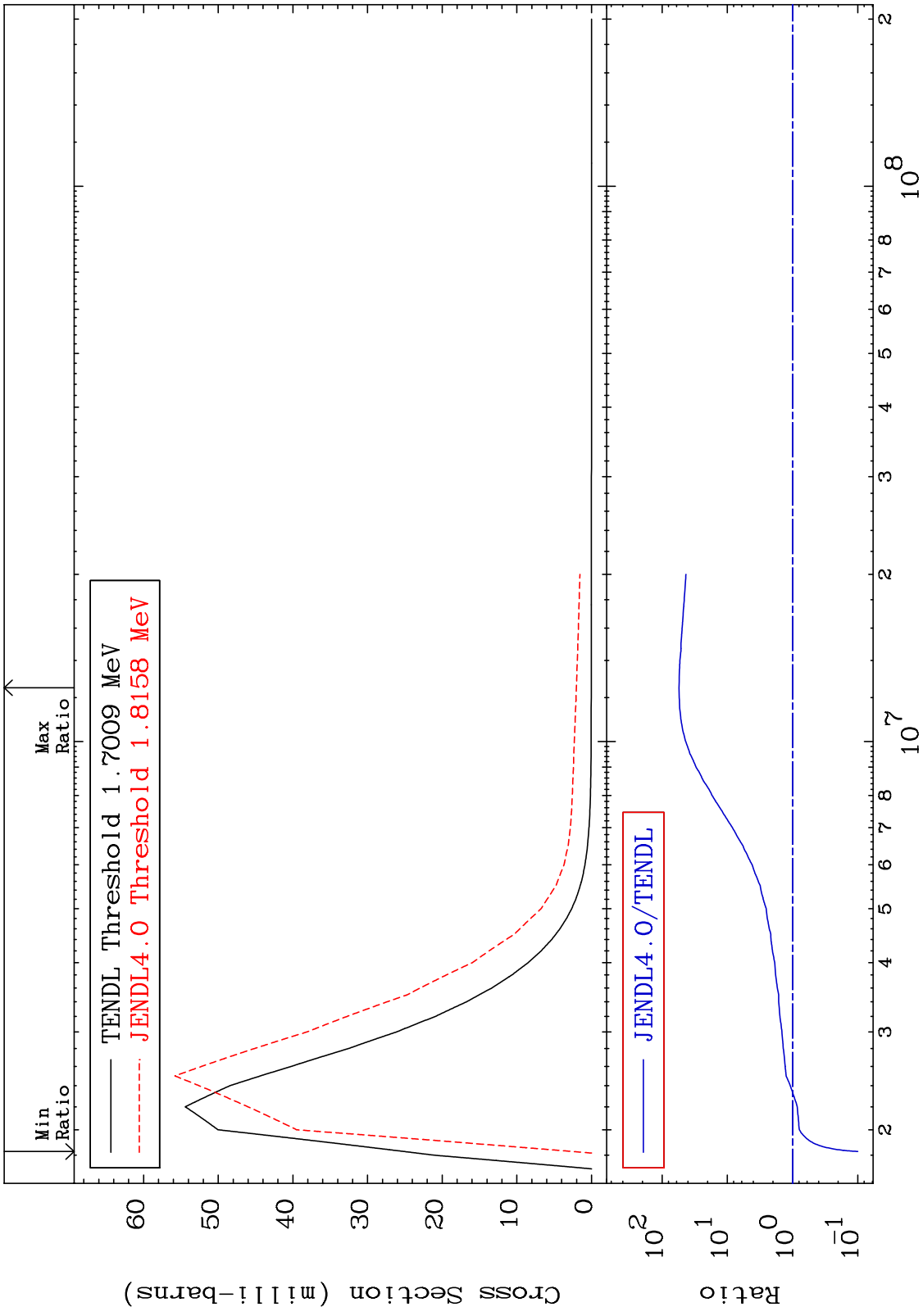
MAT 4234 MT= 73 (n,n') Level Cross Section -93.75 To 17.54 % 42-Mo-95



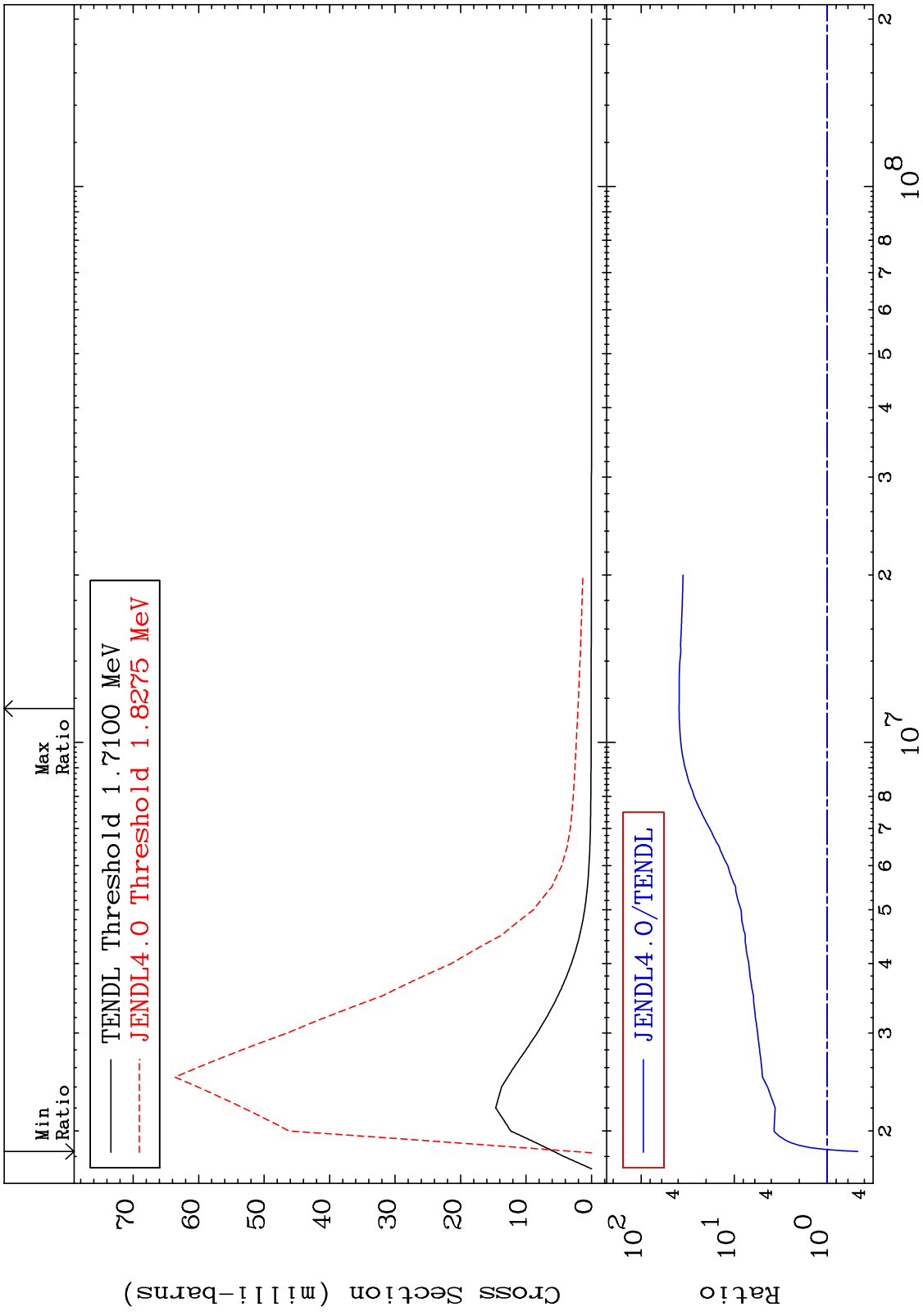
MAT 4234 MT= 74 (n,n') Level Cross Section -80.76 To 6664. % 42-Mo-95



MAT 4234 MT= 75 (n,n') Level Cross Section -90.00 To 5393. % 42-Mo-95



MAT 4234 MT= 76 (n,n') Level Cross Section -53.11 To 3814. % 42-Mo-95

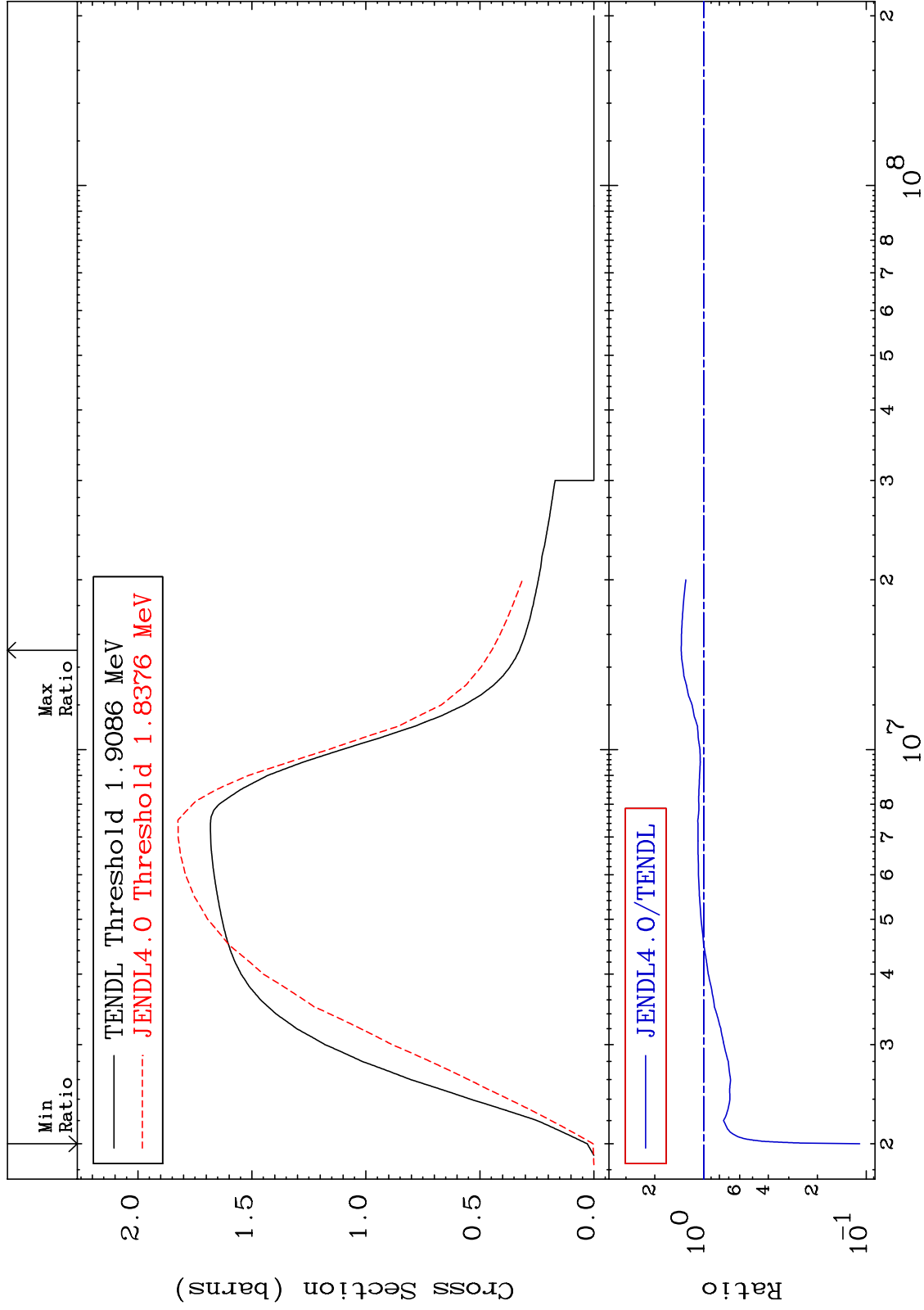


MAT 4234

(n,n') Continuum
Cross Section

42-Mo-95

-89.04 To 37.33 %



35

Incident Energy (eV)

42-Mo-95

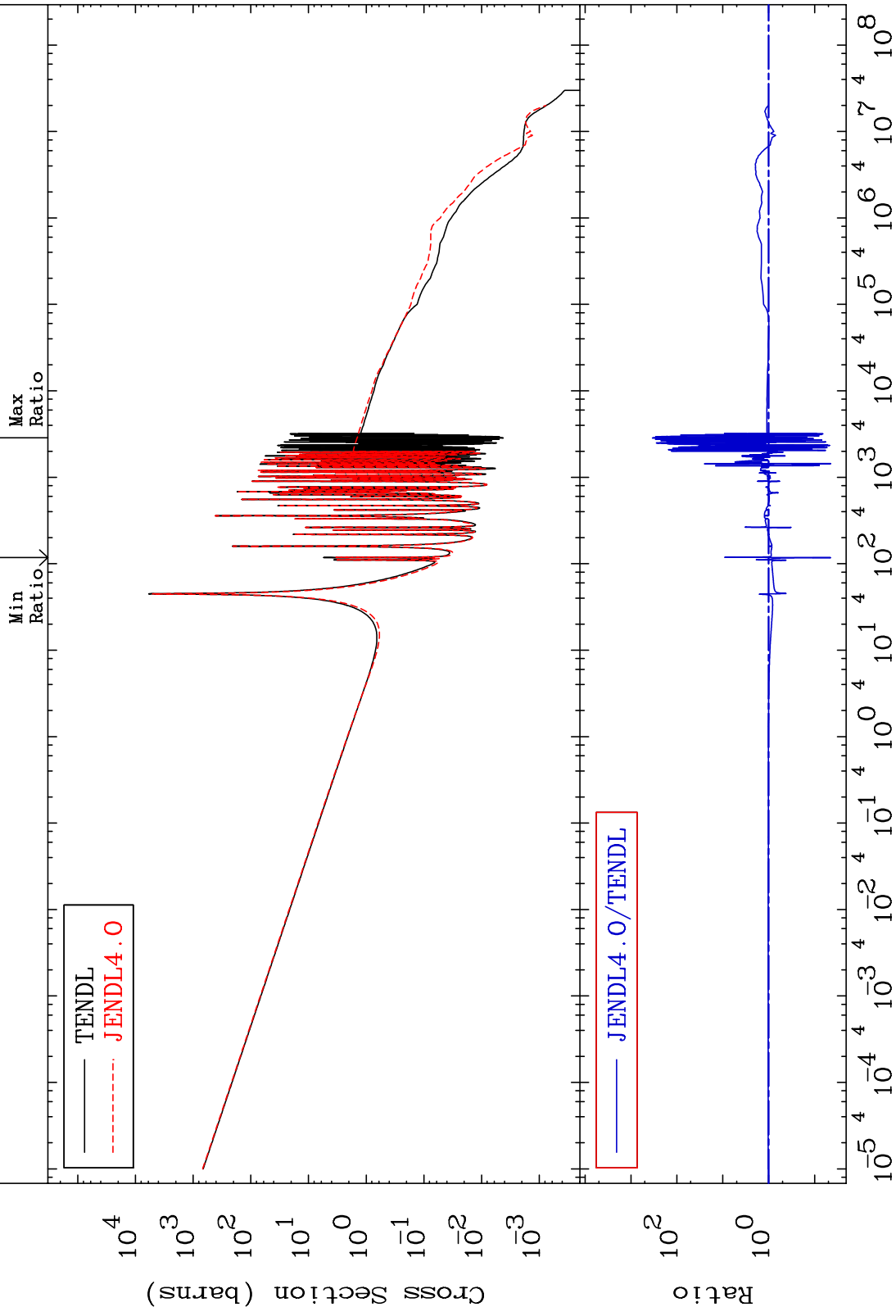
MAT 4234

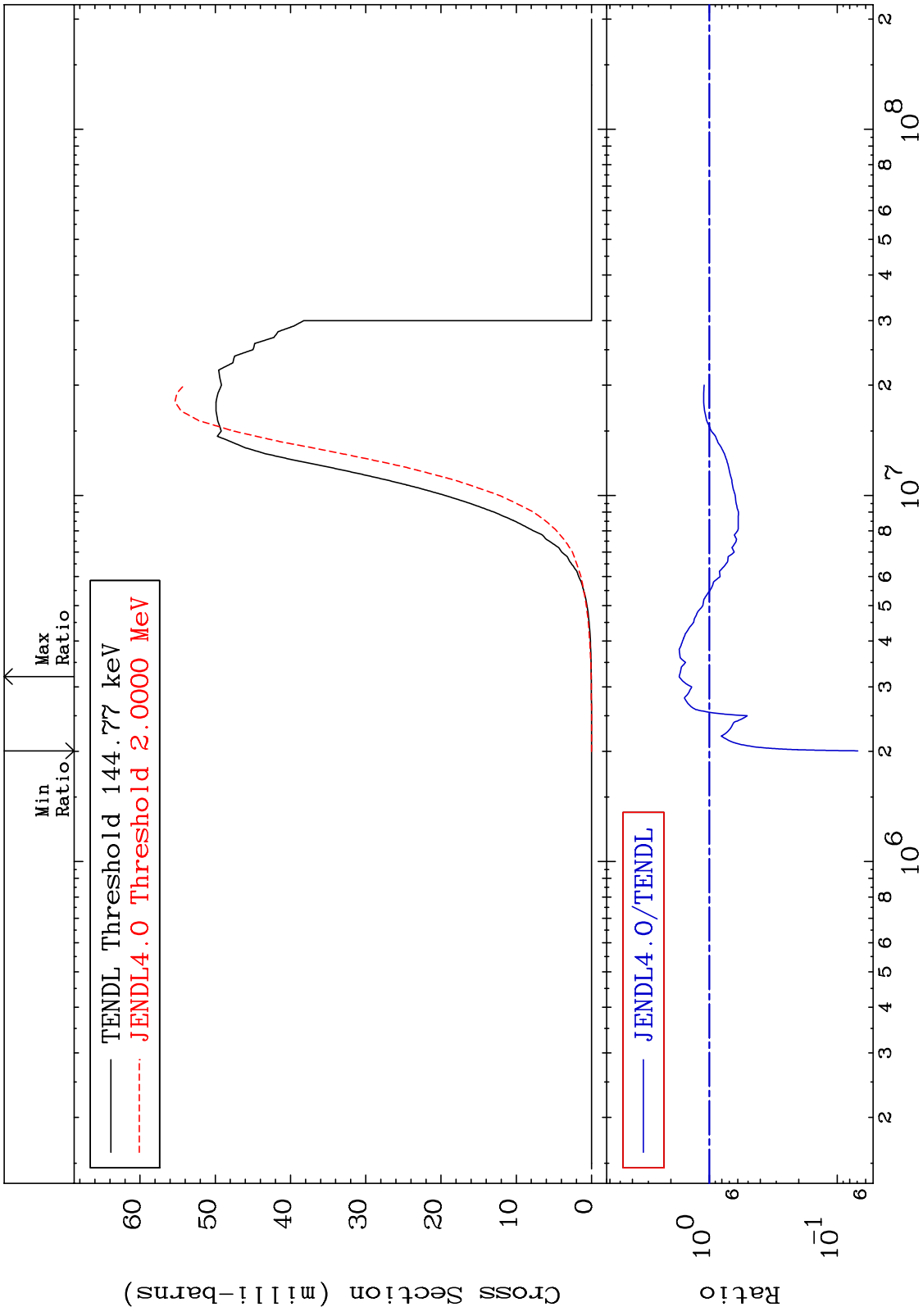
42-Mo-95

(n, γ)

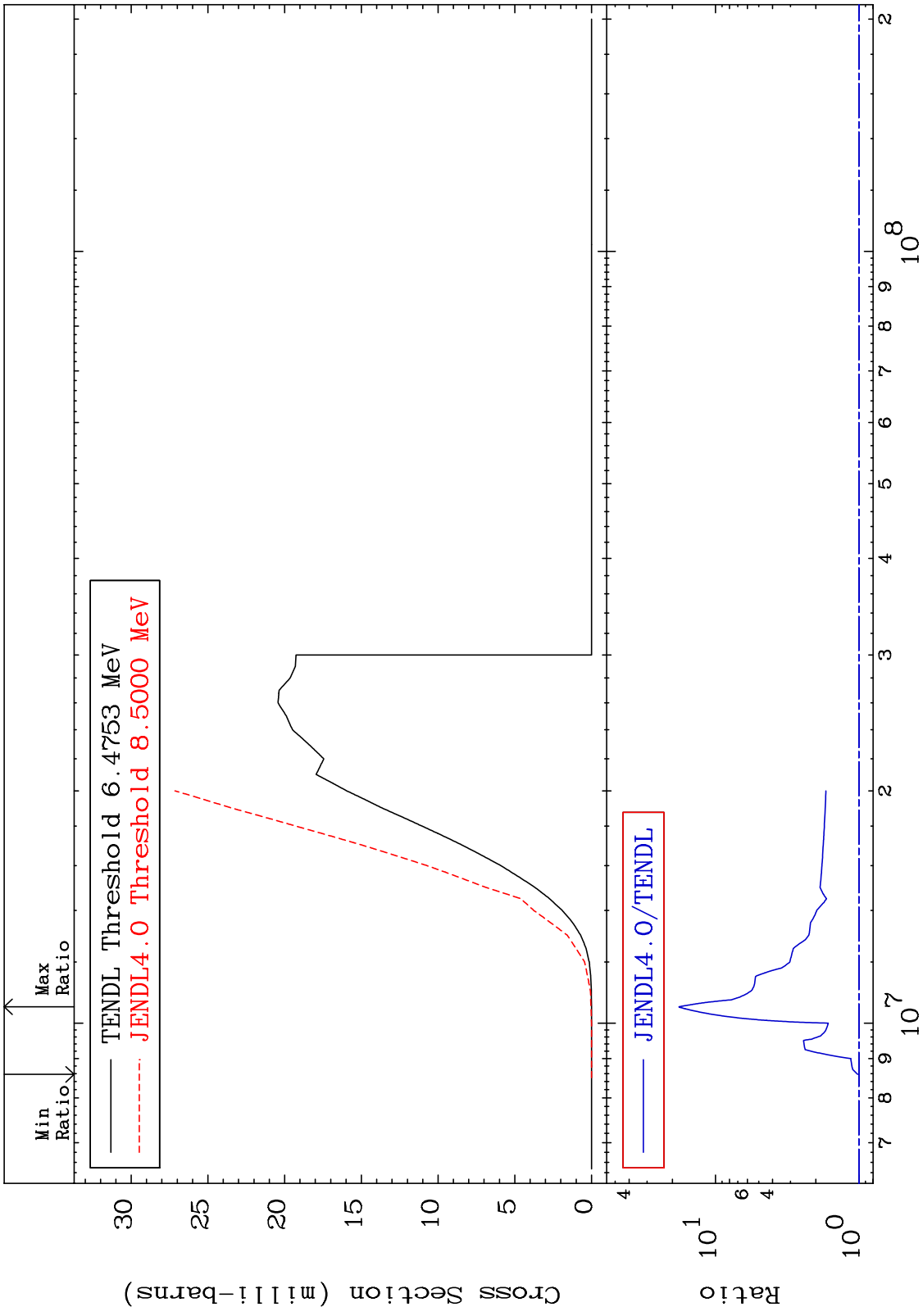
-95.59 To 9999. %

Cross Section

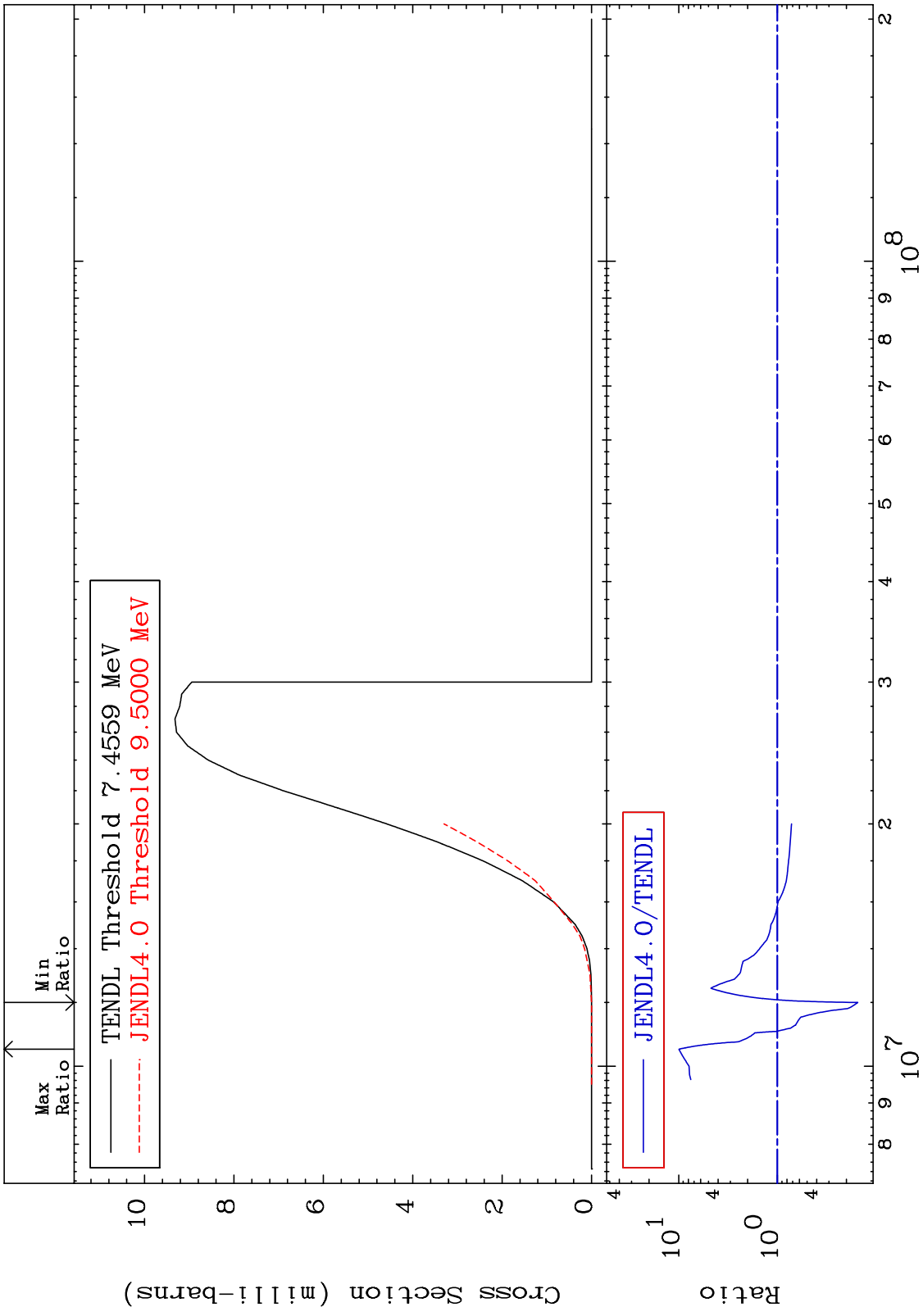




MAT 4234 (n,d) Cross Section 42-Mo-95
 1.856 To 1696. %



MAT 4234 (n,t) Cross Section 42-Mo-95
 -84.68 To 892.5 %



39 Incident Energy (eV) 42-Mo-95

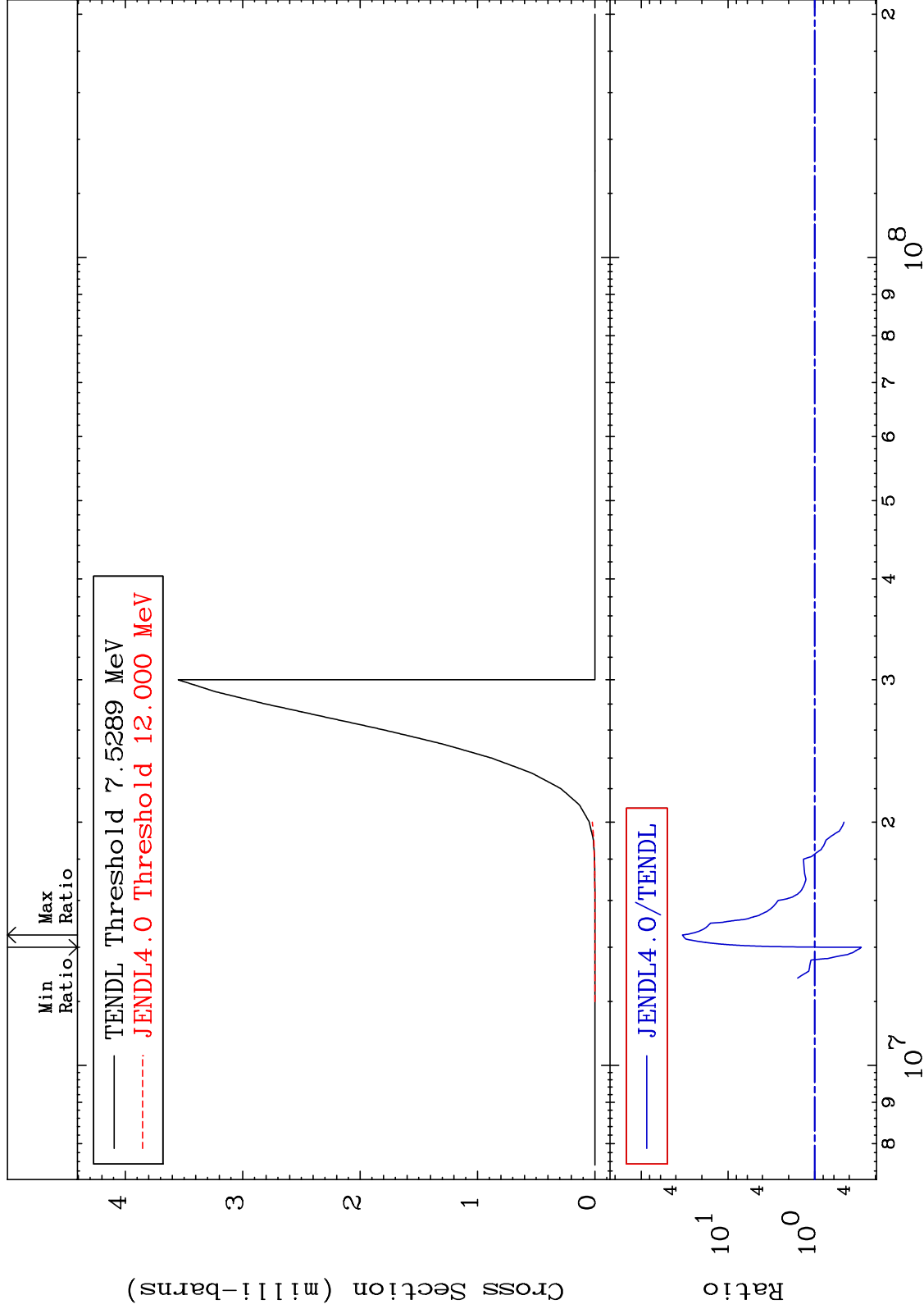
MAT 4234

(n, He-3)

42-Mo-95

Cross Section

-70.91 To 3247. %



40

MAT 4234

(n, α)

42-Mo-95

-99.98 To 442.6 %

Cross Section

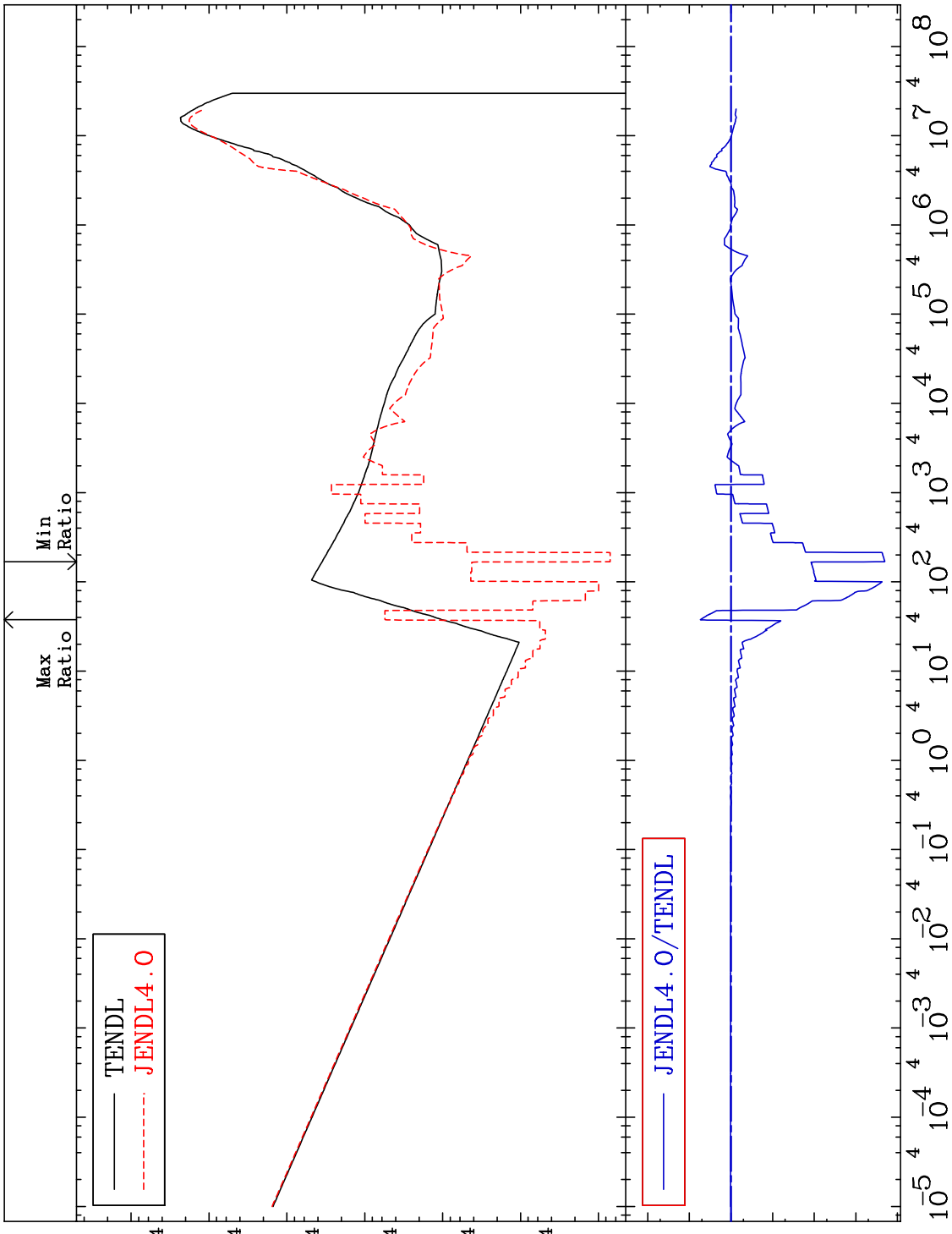
Max Ratio

Min Ratio

TENDL
JENDL4.0

JENDL4.0/TENDL

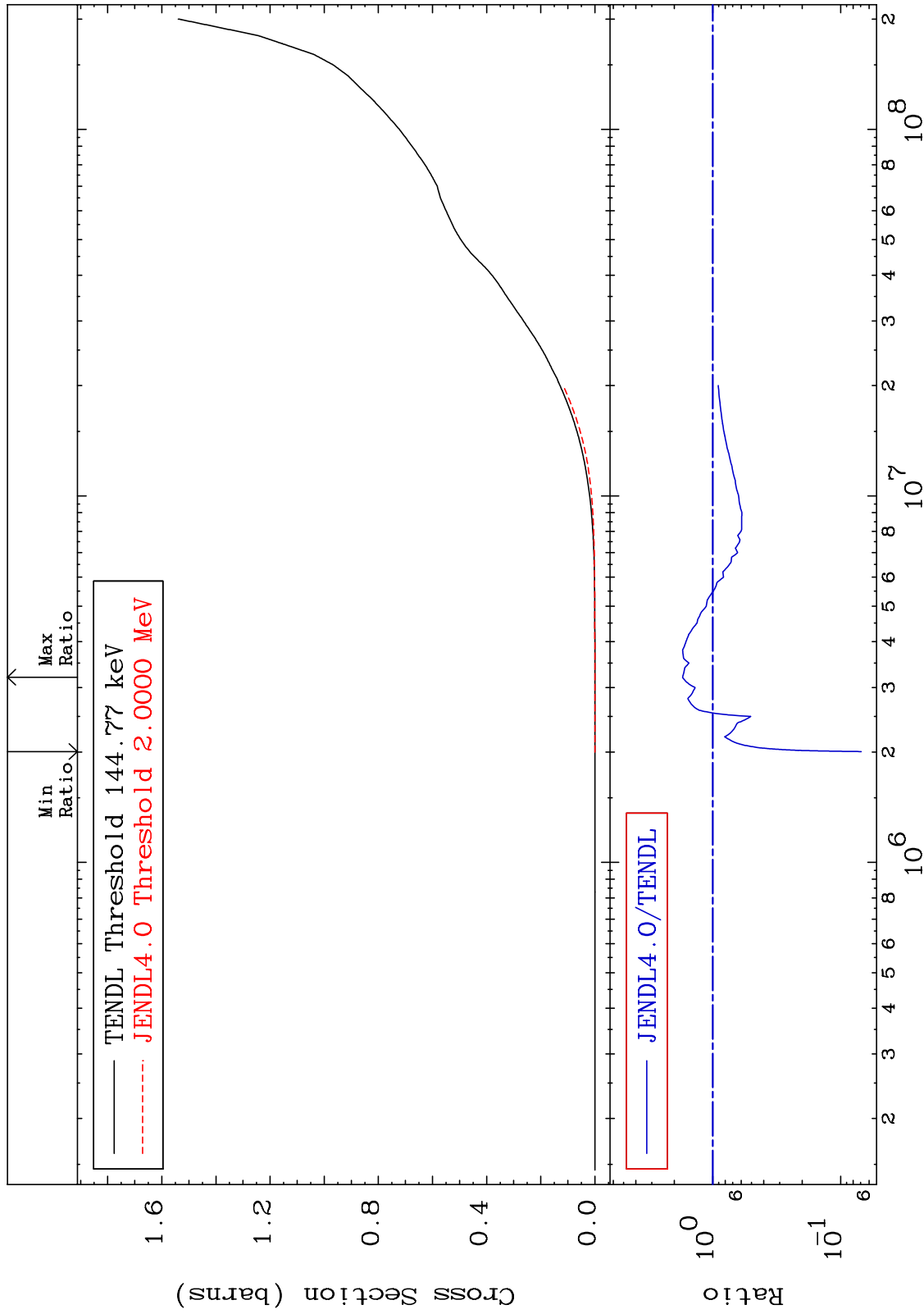
Cross Section (barns)
Ratio



MAT 4234

Hydrogen Production
Cross Section

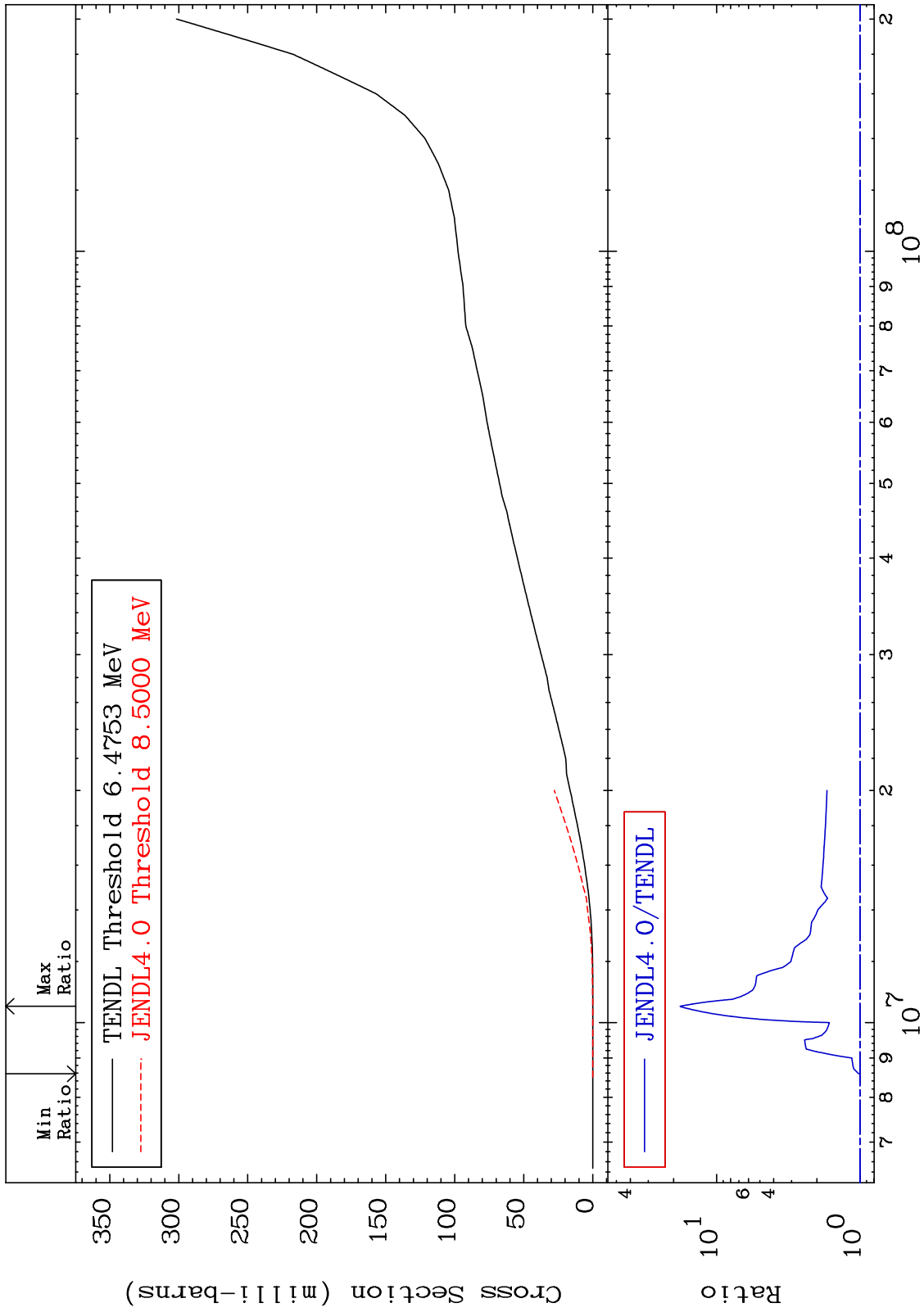
42-Mo-95
-93.09 To 72.92 %



42

Incident Energy (eV)

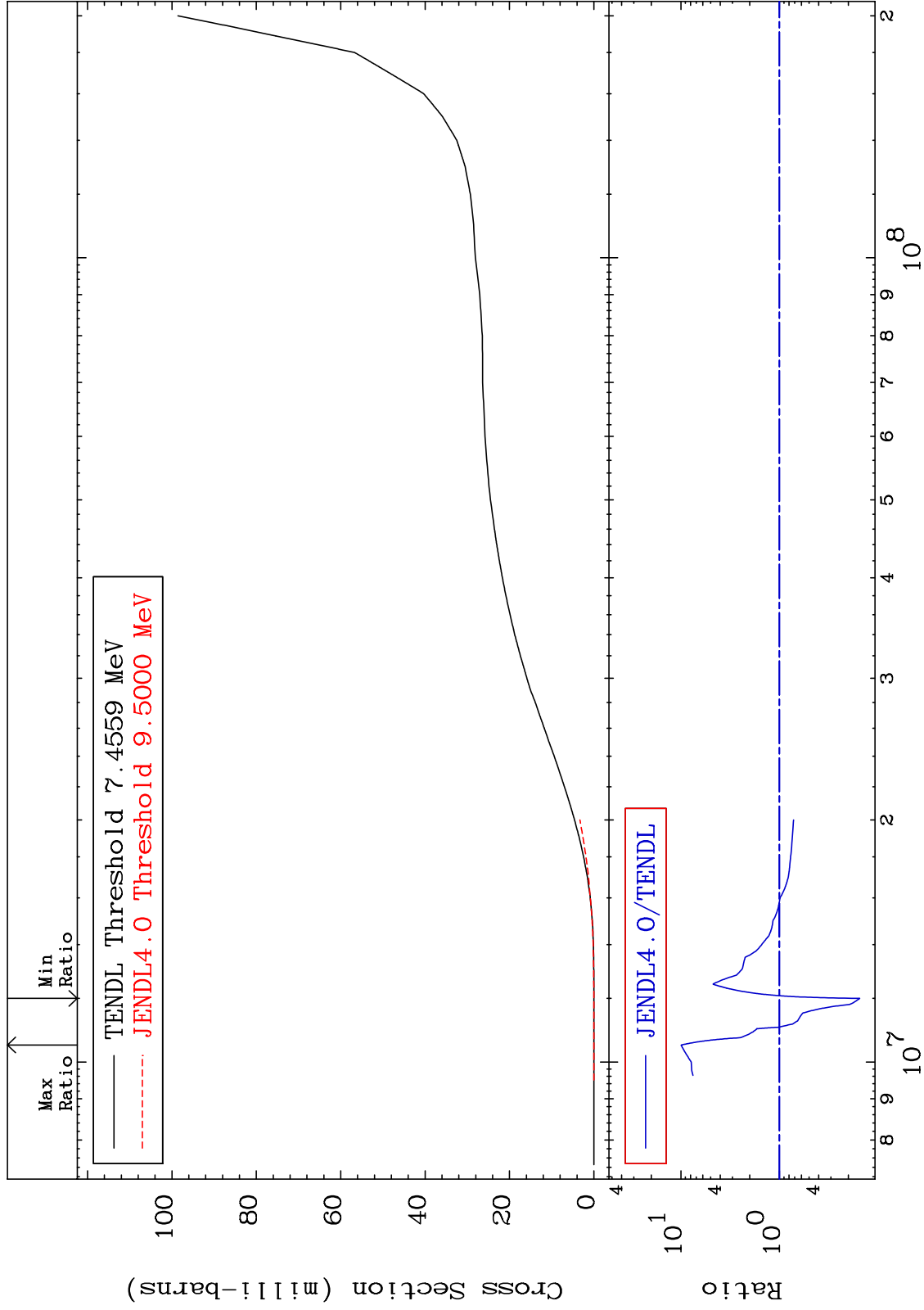
42-Mo-95



MAT 4234

Tritium Production
Cross Section

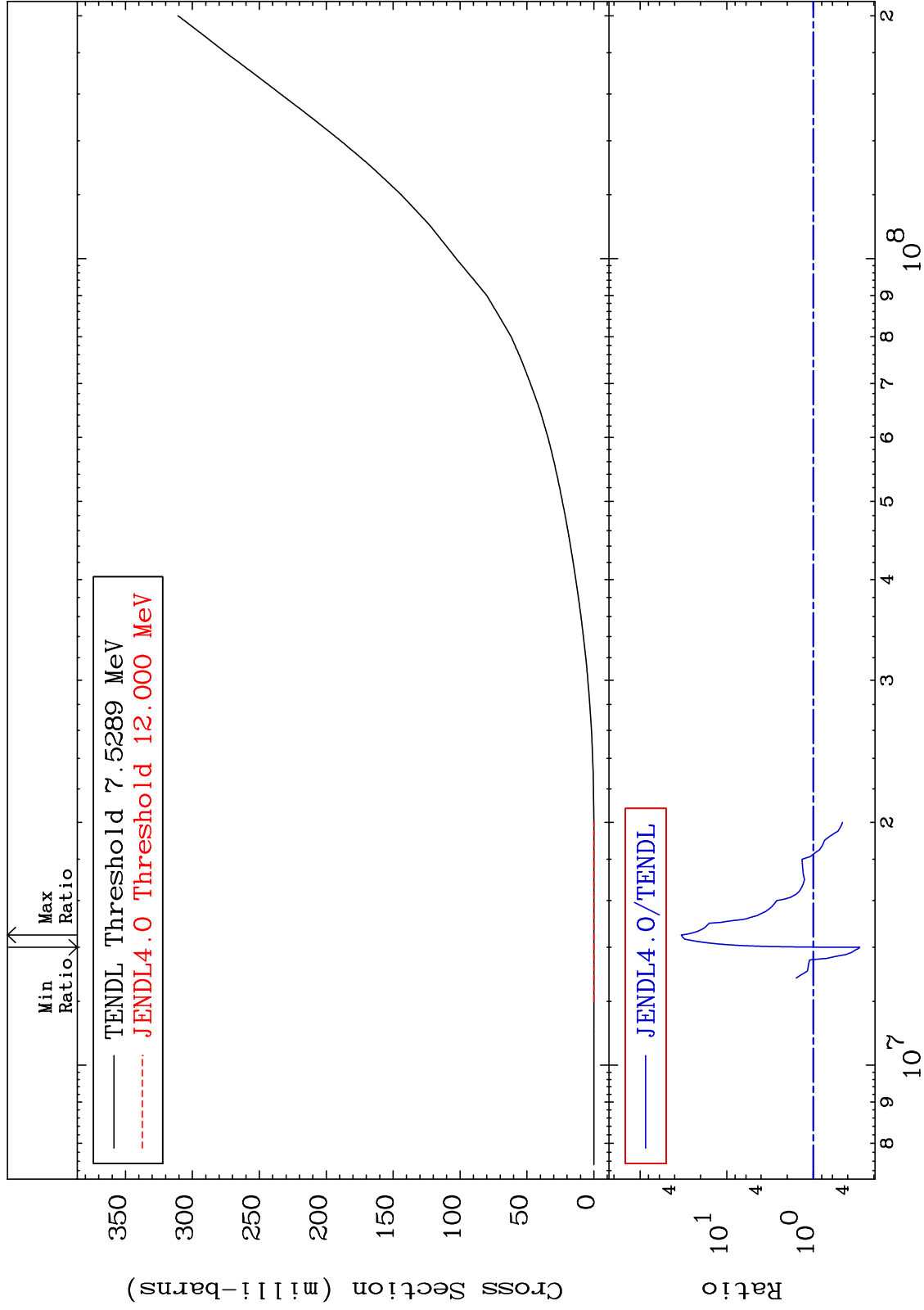
42-Mo-95
-84.68 To 892.5 %



MAT 4234

He-3 Production
Cross Section

42-Mo-95
-70.91 To 3247. %



45

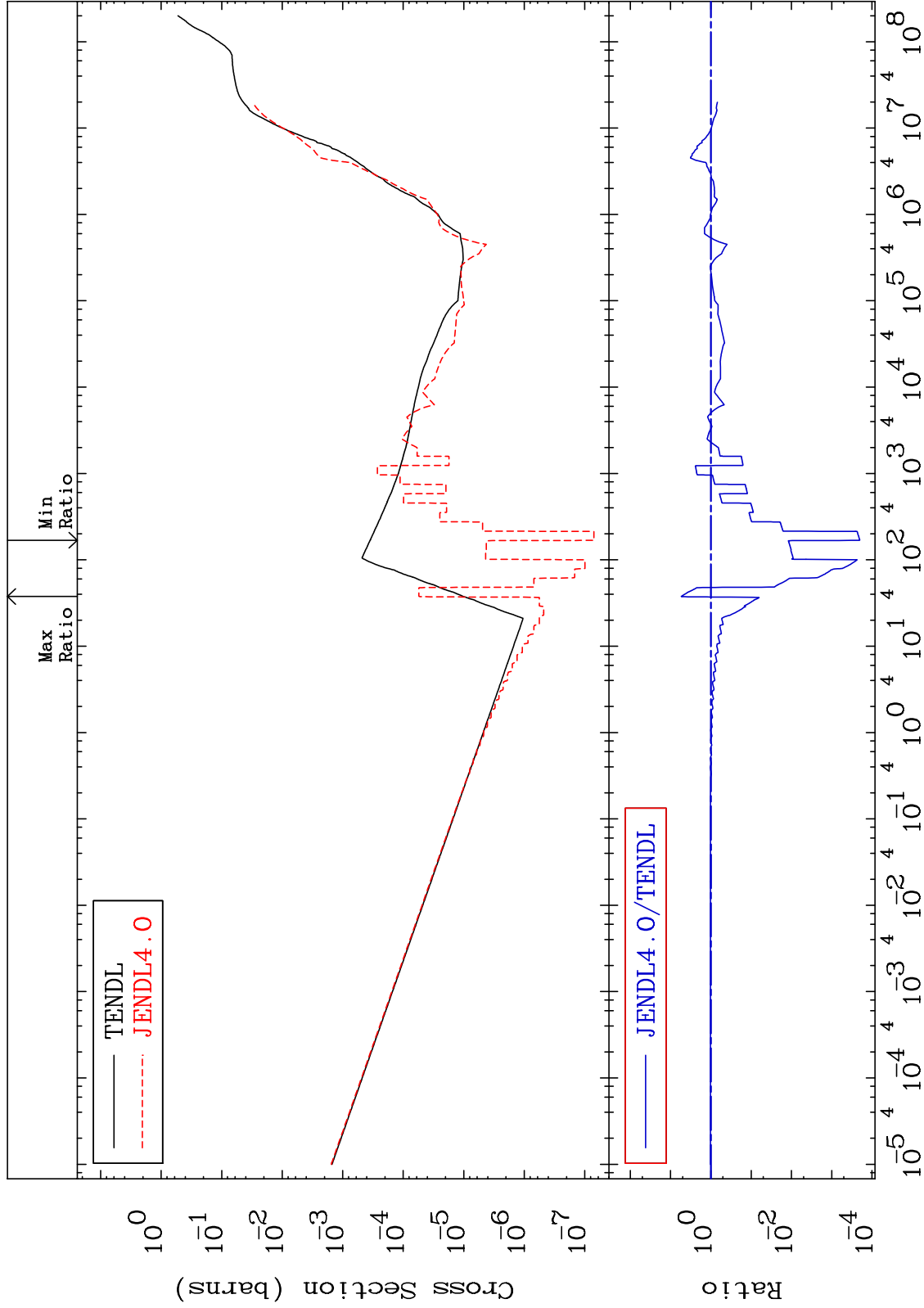
Incident Energy (eV)

42-Mo-95

MAT 4234

He-4 Production
Cross Section

42-Mo-95
-99.98 To 442.6 %



46

Incident Energy (eV)

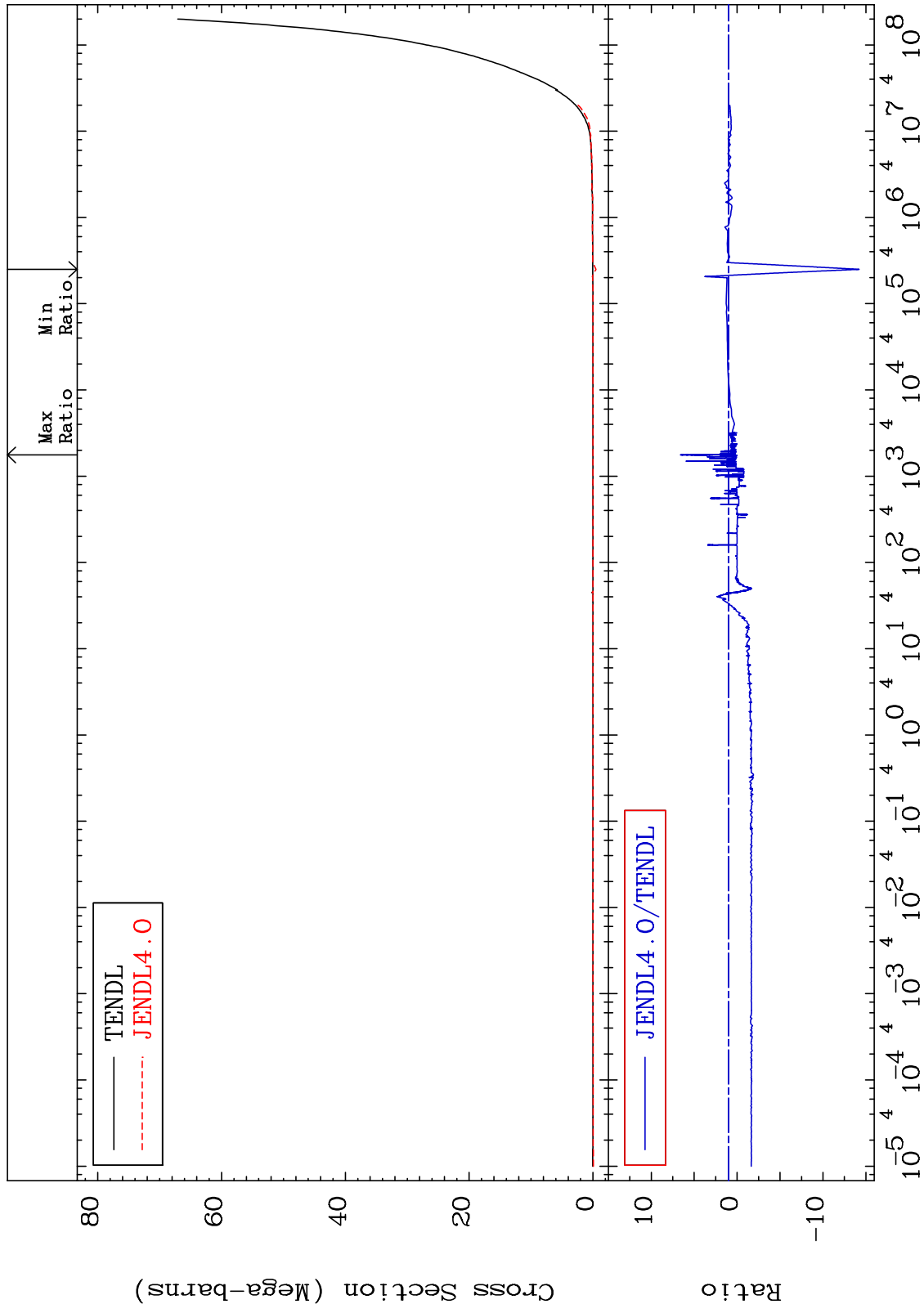
42-Mo-95

MAT 4234

Kerma total (eV-barns)
Cross Section

42-Mo-95

-1520. To 557.8 %



47

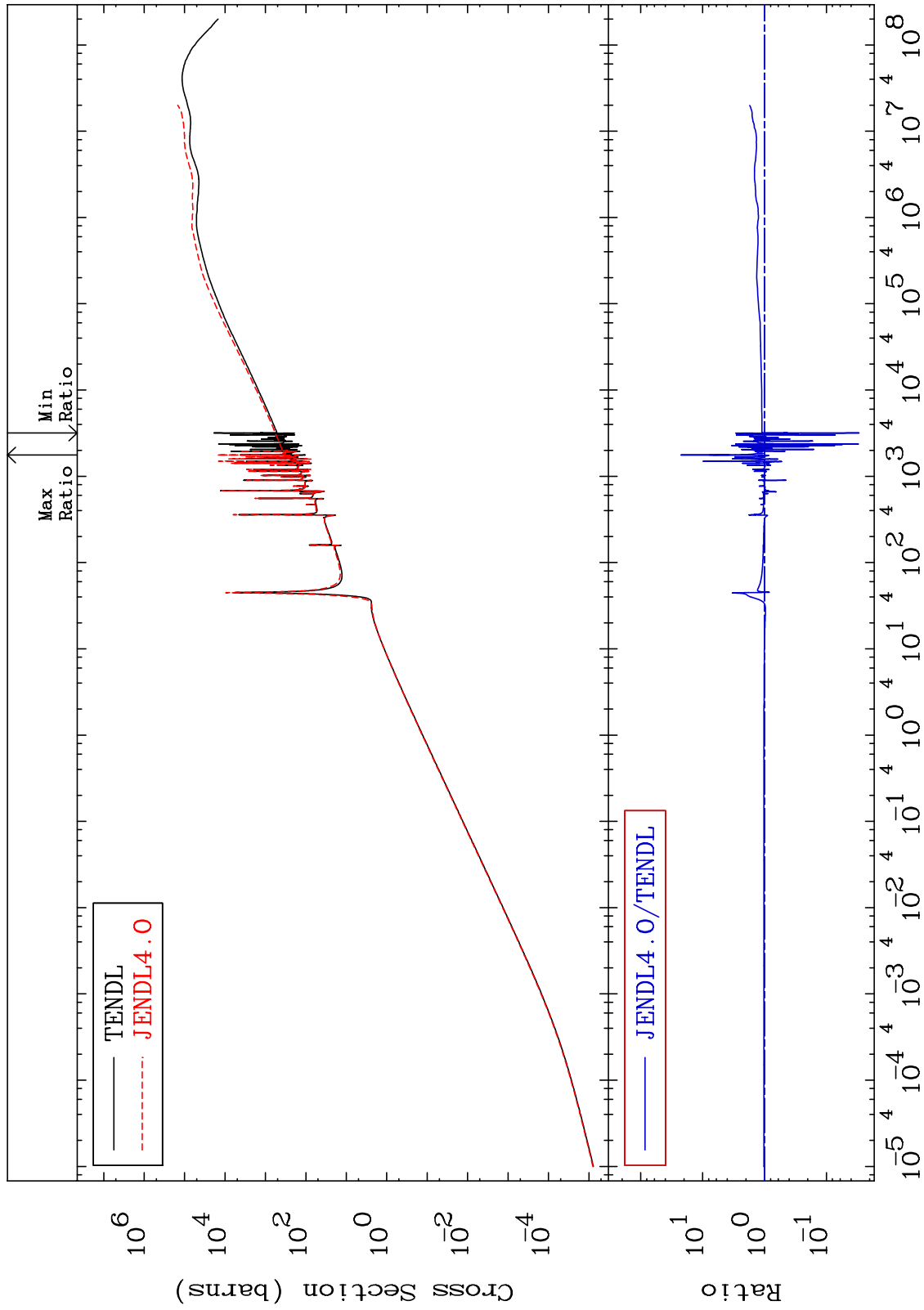
Incident Energy (eV)

42-Mo-95

MAT 4234

Kerma elastic
Cross Section

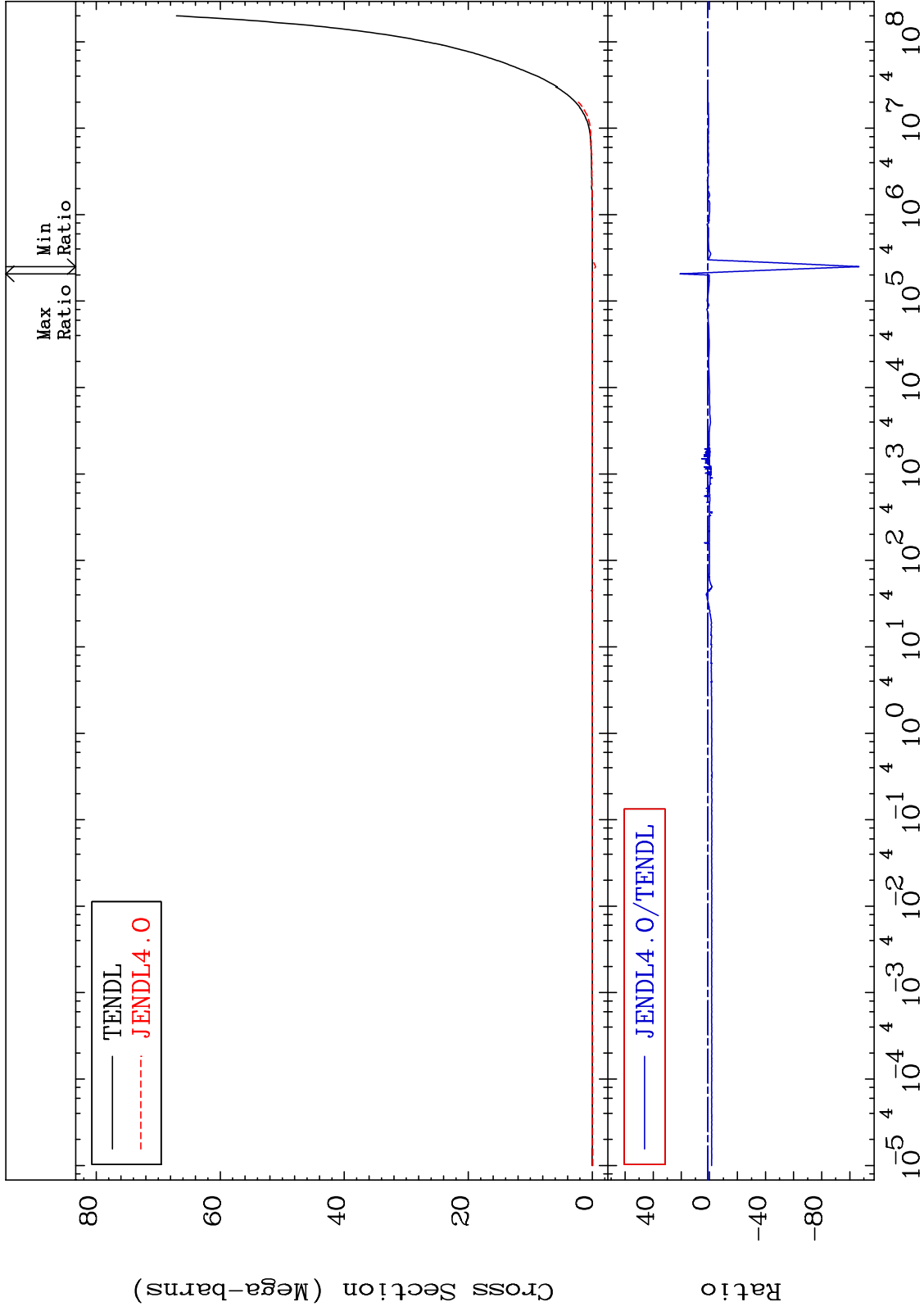
42-Mo-95
-97.02 To 2164. %



MAT 4234

Kerma non-elastic (all but mt.2)
Cross Section

42-Mo-95
-9999. To 1977. %



49

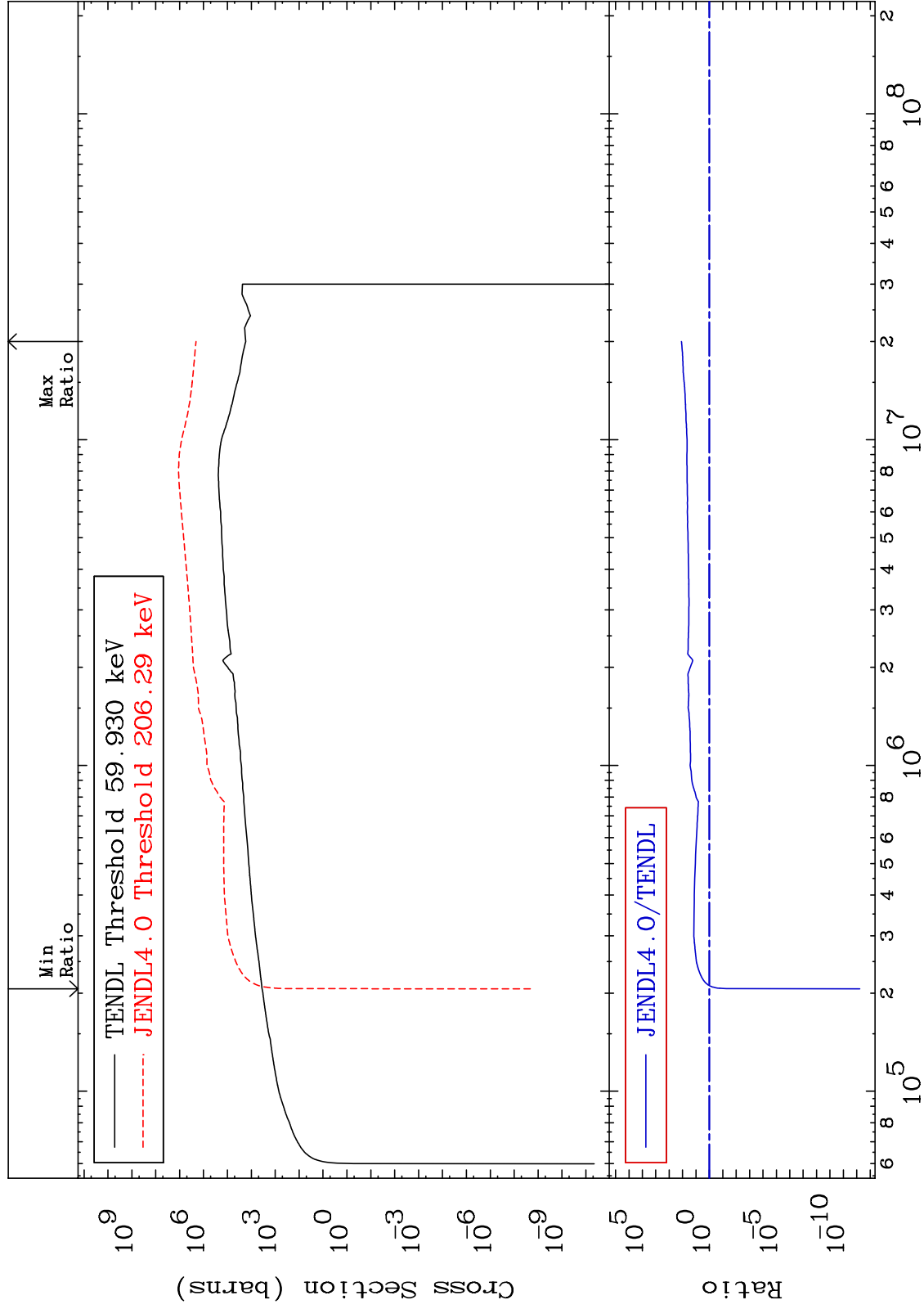
Incident Energy (eV)

42-Mo-95

MAT 4234

Kerma inelastic (mt51-91)
Cross Section

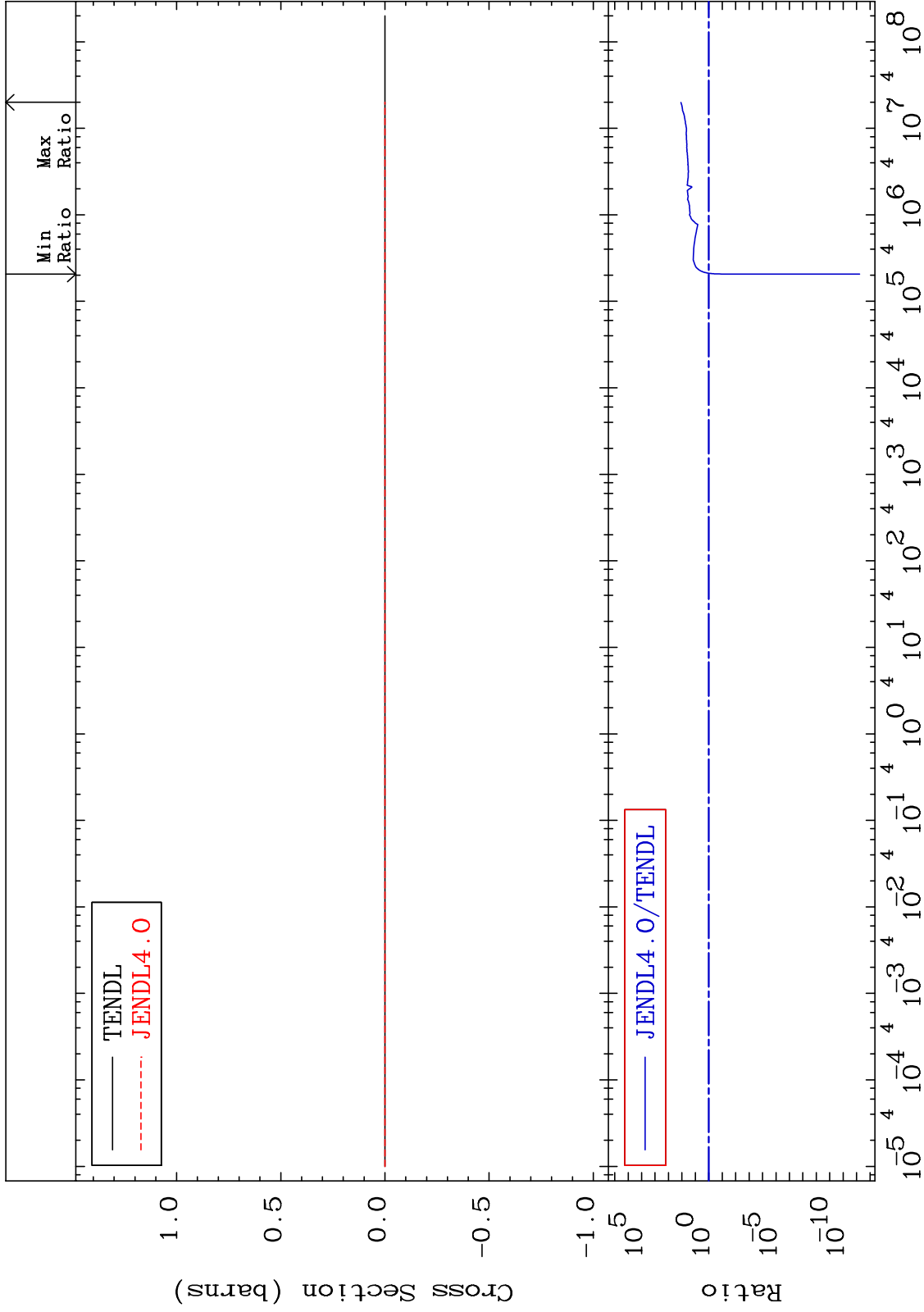
42-Mo-95
-100.0 To 9999. %



MAT 4234

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

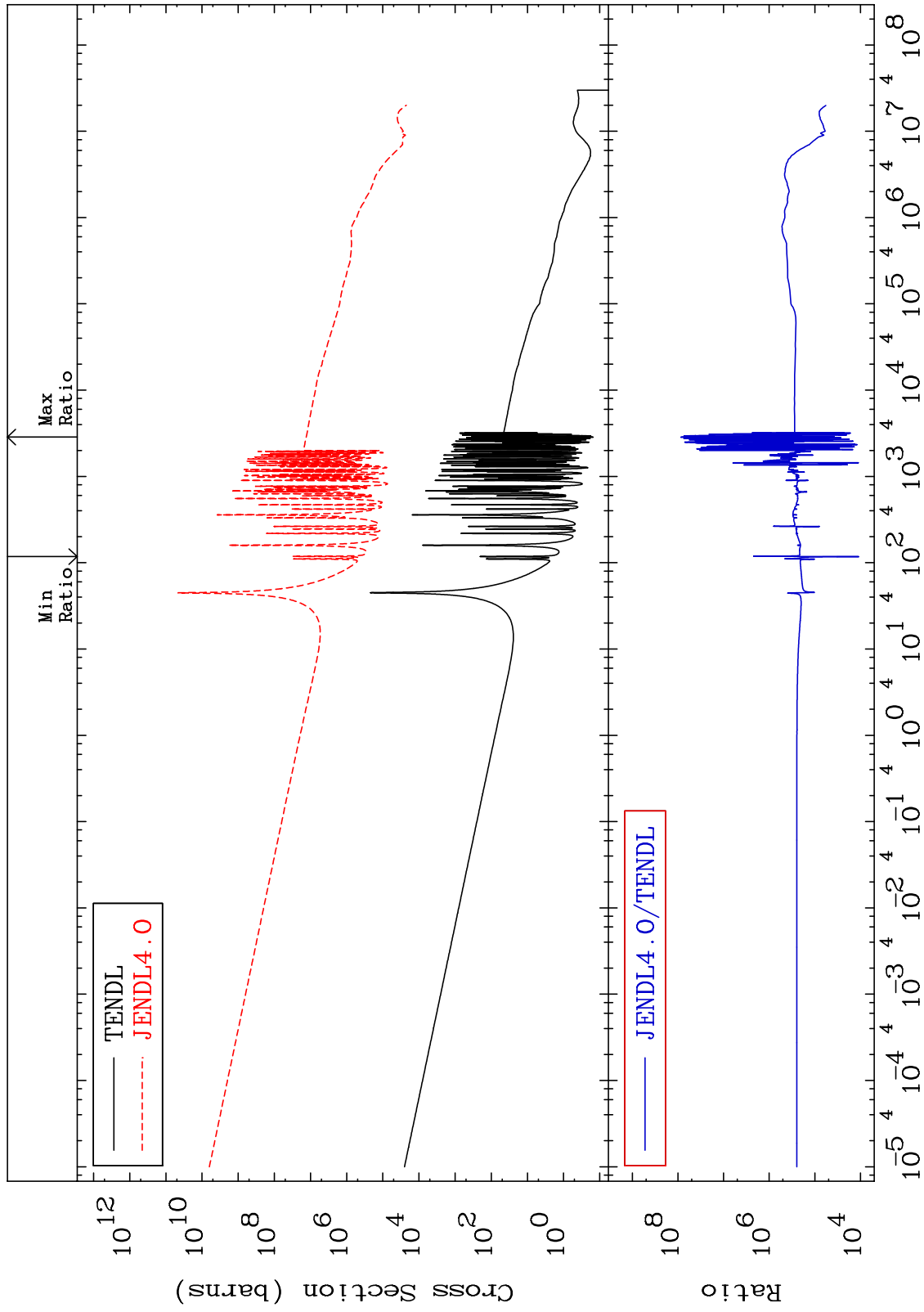
42-Mo-95
-100.0 To 9999. %



MAT 4234

Kerma capture (mt102)
Cross Section

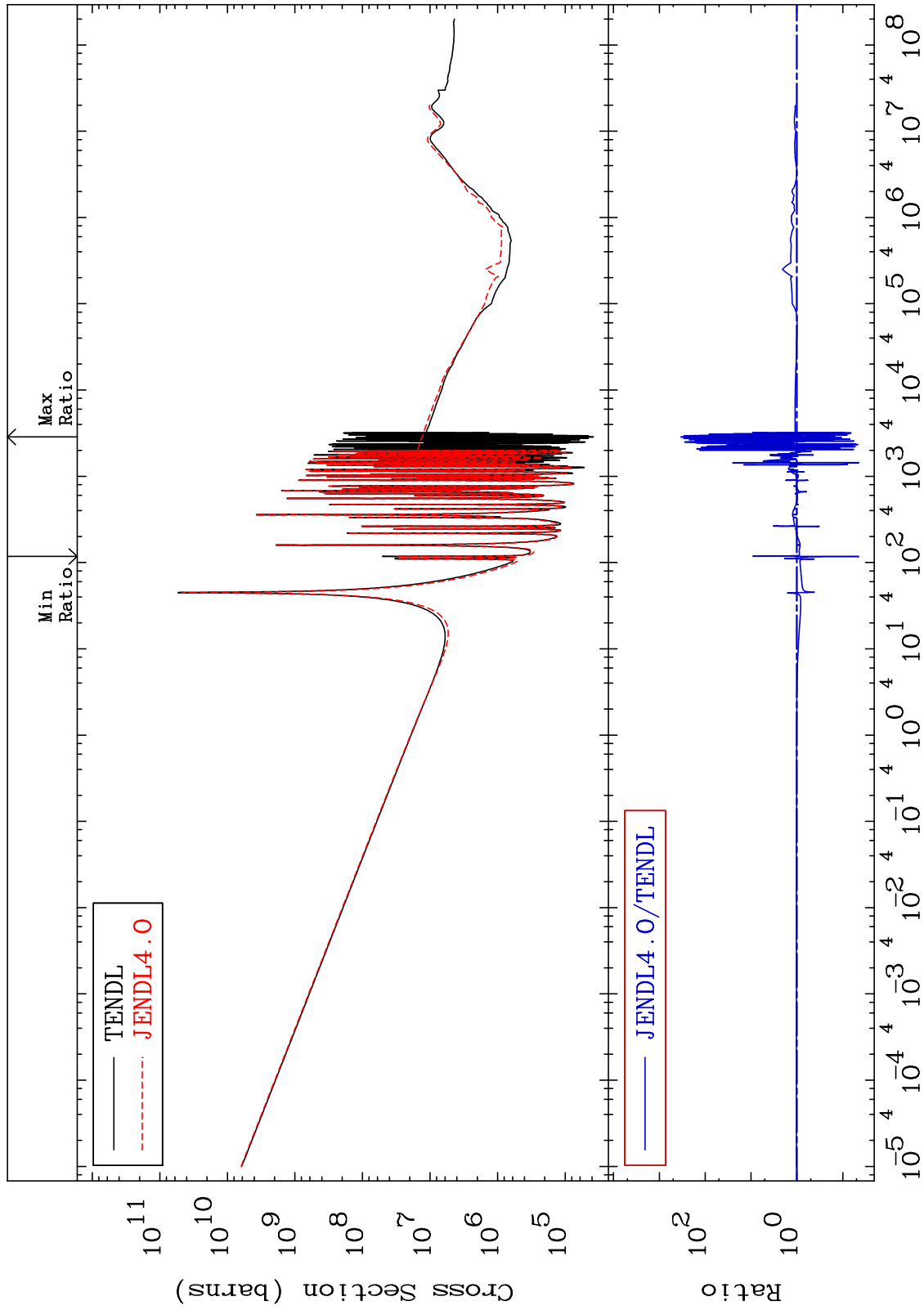
42-Mo-95
9999. To 9999. %



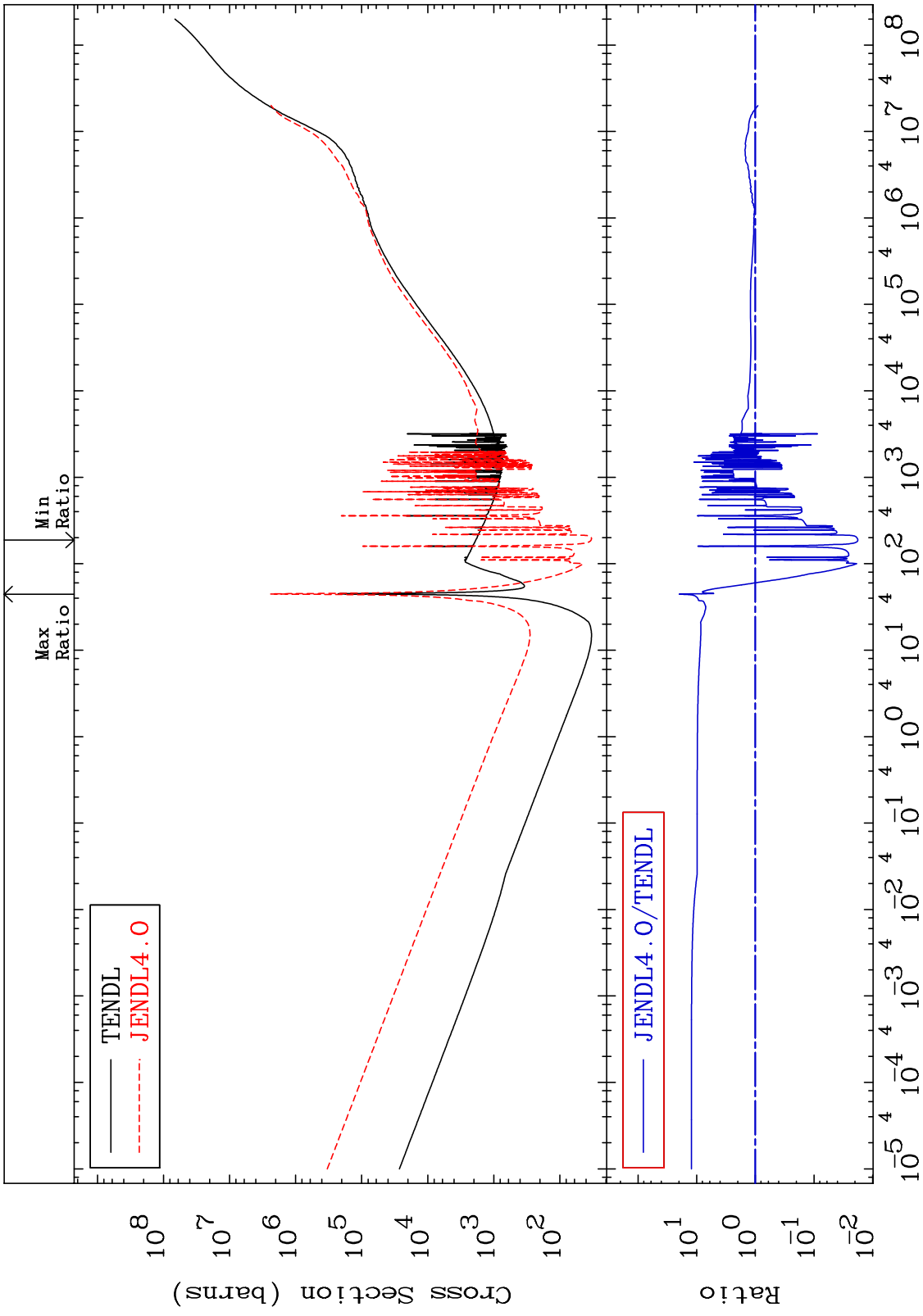
MAT 4234

Total photon (eV-barns)
Cross Section

42-Mo-95
-95.58 To 9999. %



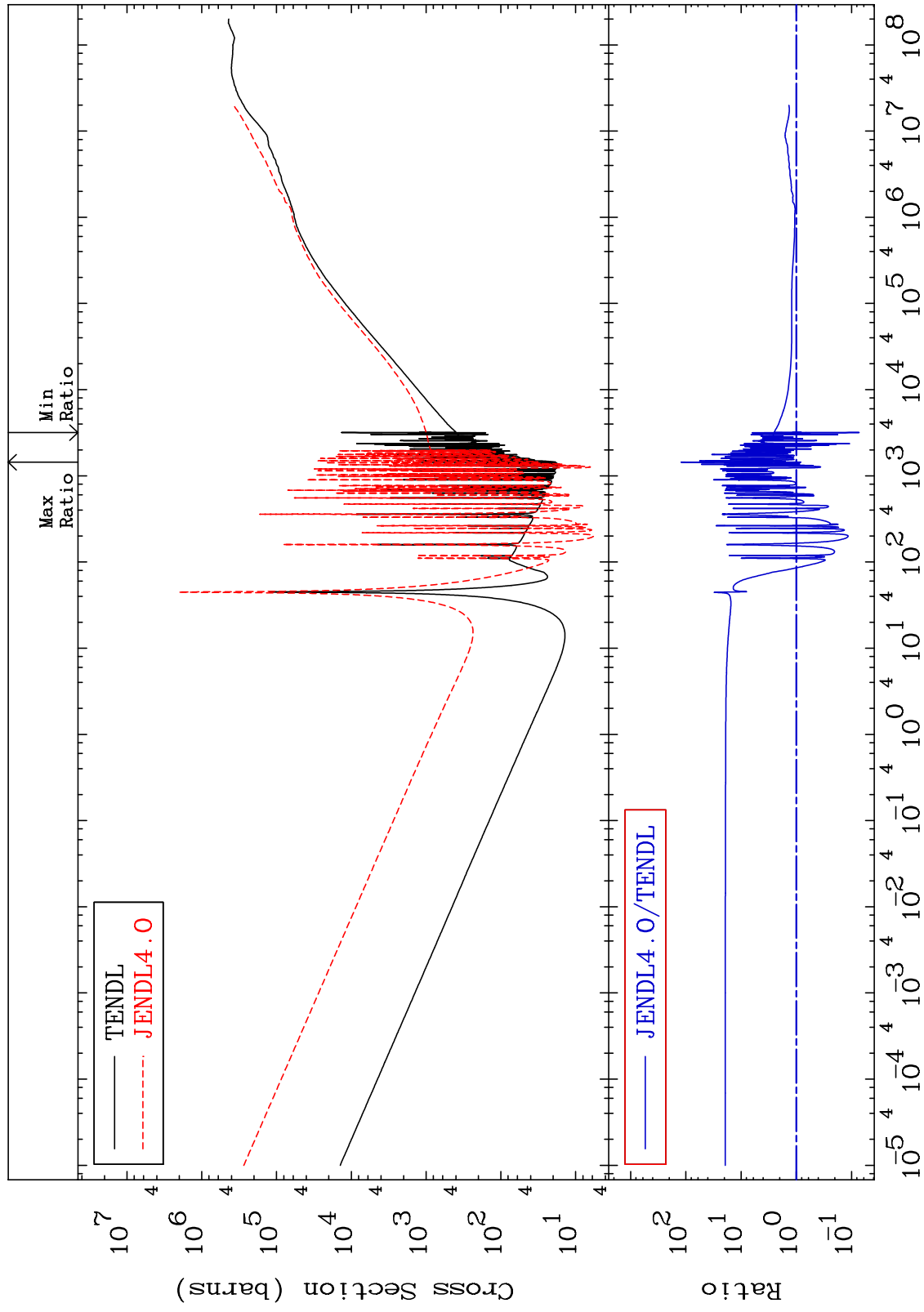
MAT 4234 Total kinematic kerma (high limit) 42-Mo-95
 Cross Section -98.21 To 1898. %

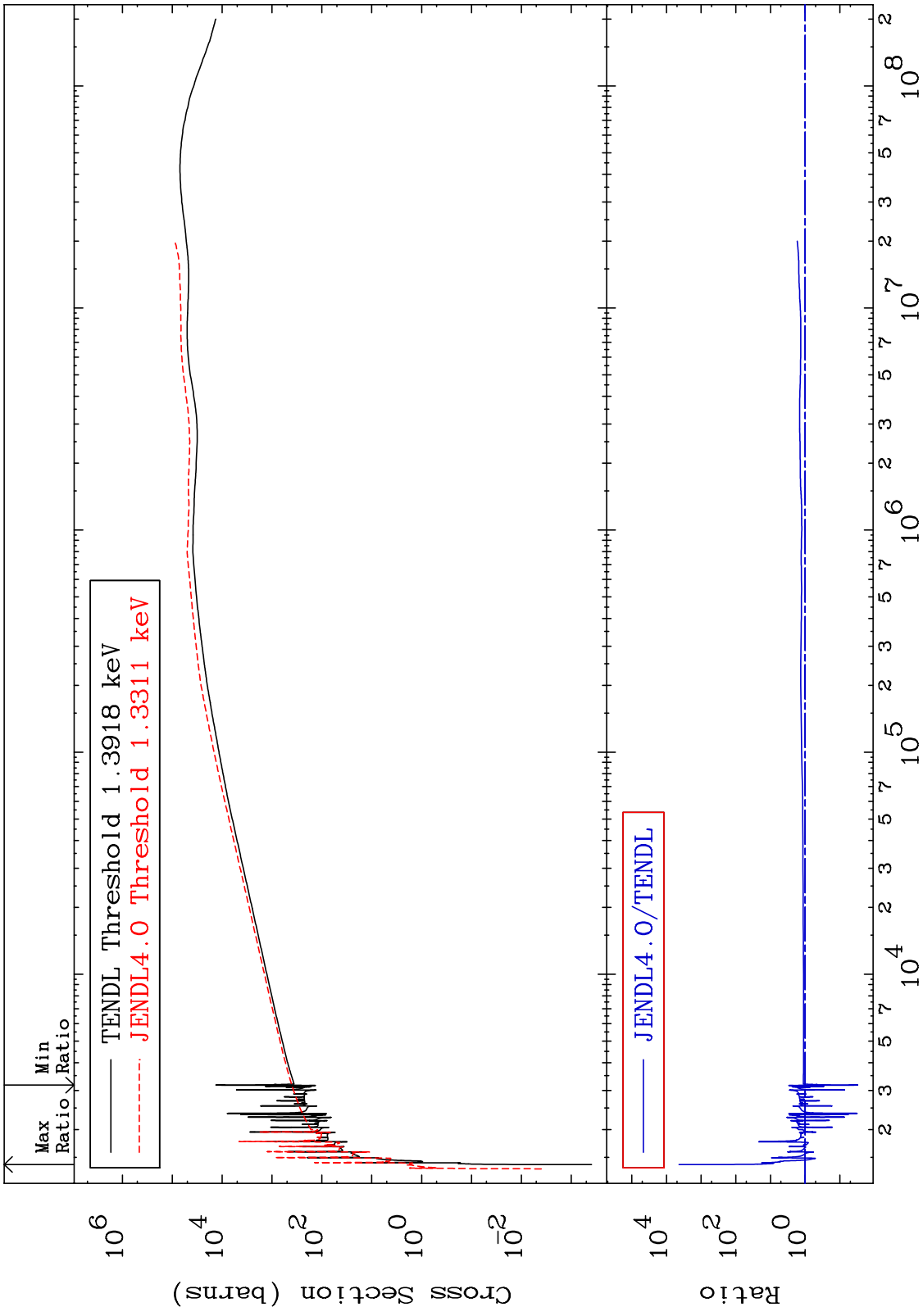


MAT 4234

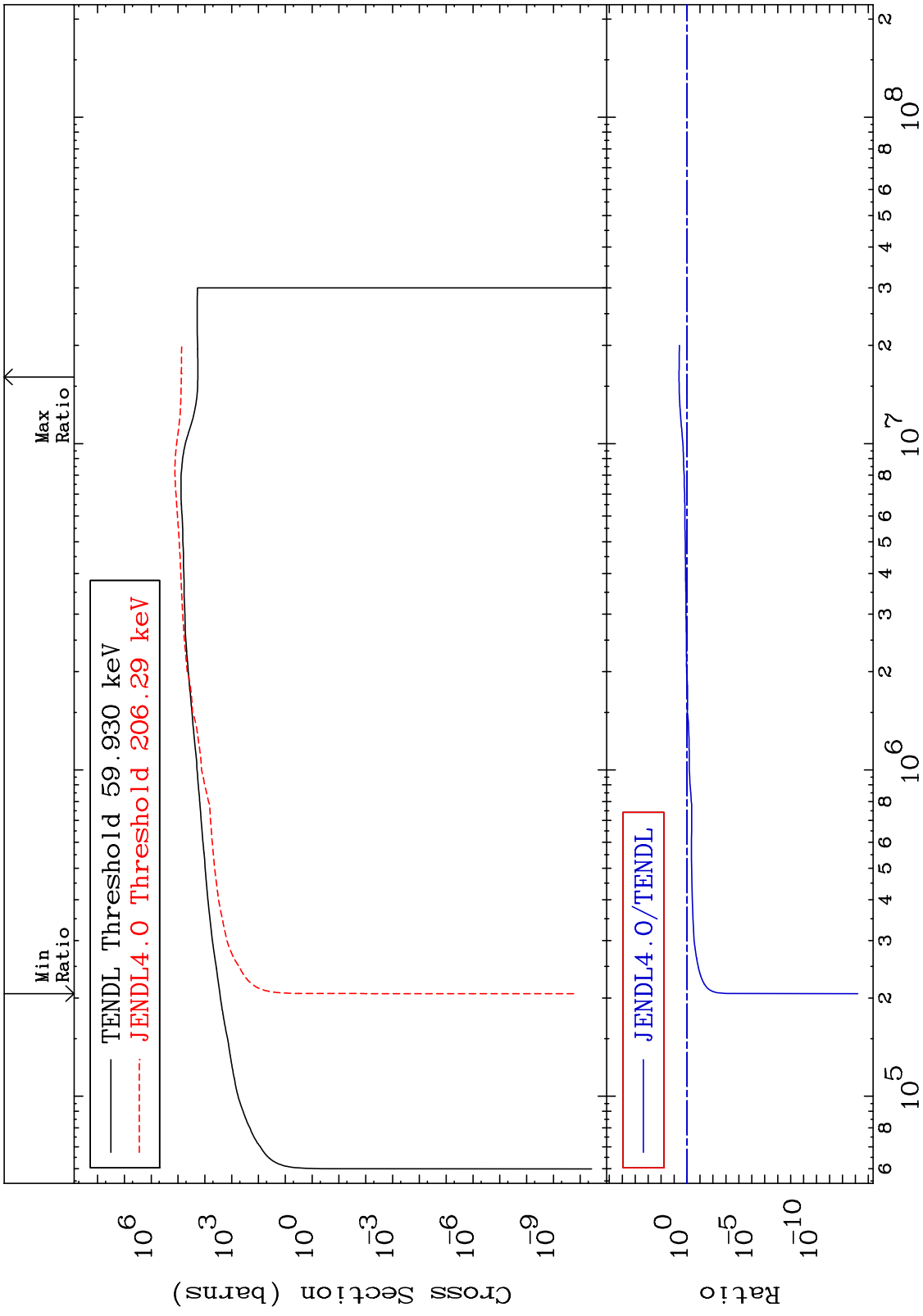
Dpa total (eV-barns)
Cross Section

42-Mo-95
-92.69 To 9999. %





MAT 4234 Dpa inelastic (mt51-91) 42-Mo-95
 Cross Section -100.0 To 315.3 %



MAT 4234

Dpa disappearance (mt102 -120)
Cross Section

42-Mo-95
-88.48 To 9999. %

