

Program Complot
(Version 2018-1)

by

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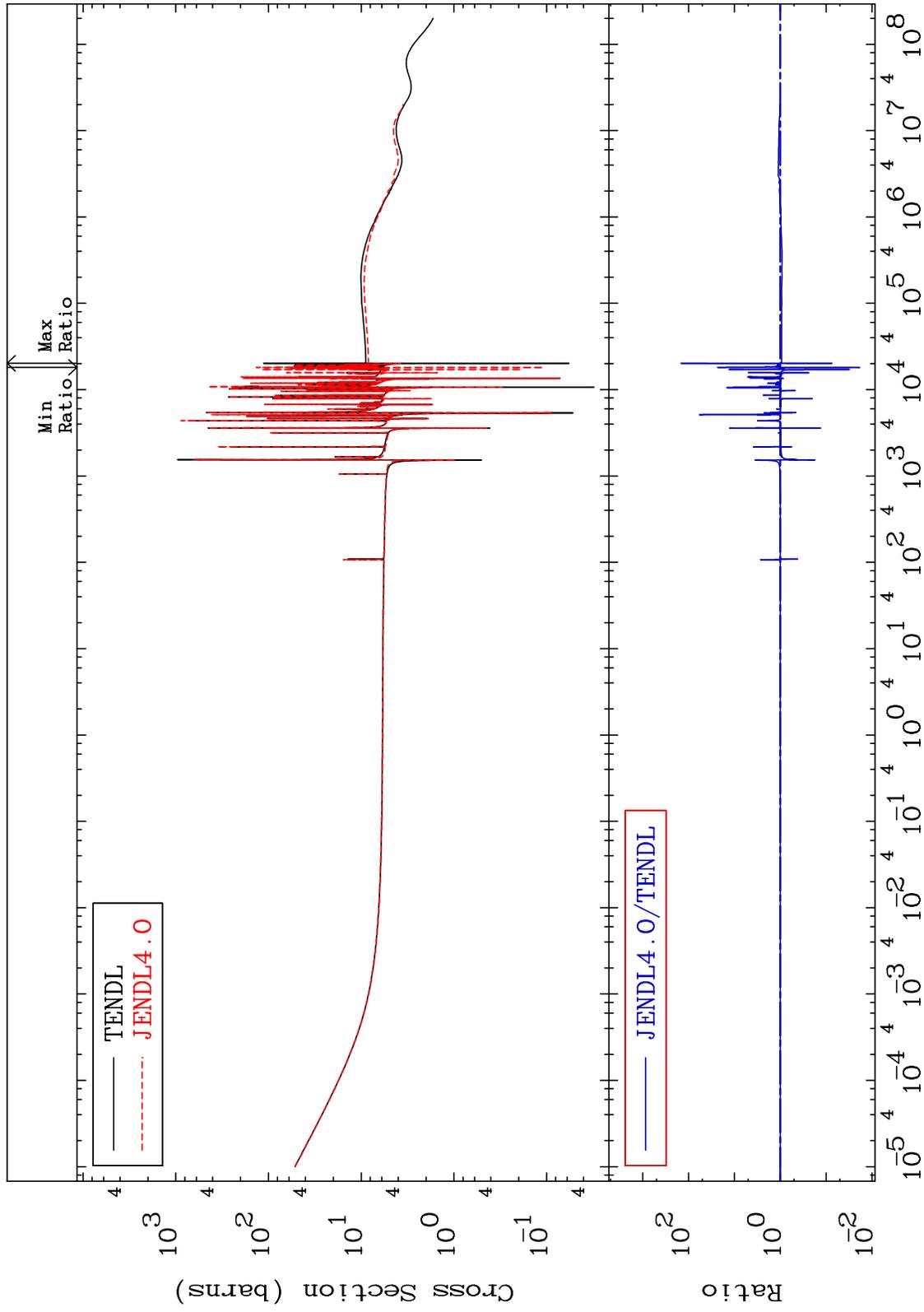
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4231

Total
Cross Section

42-Mo-94
-98.16 To 9999. %



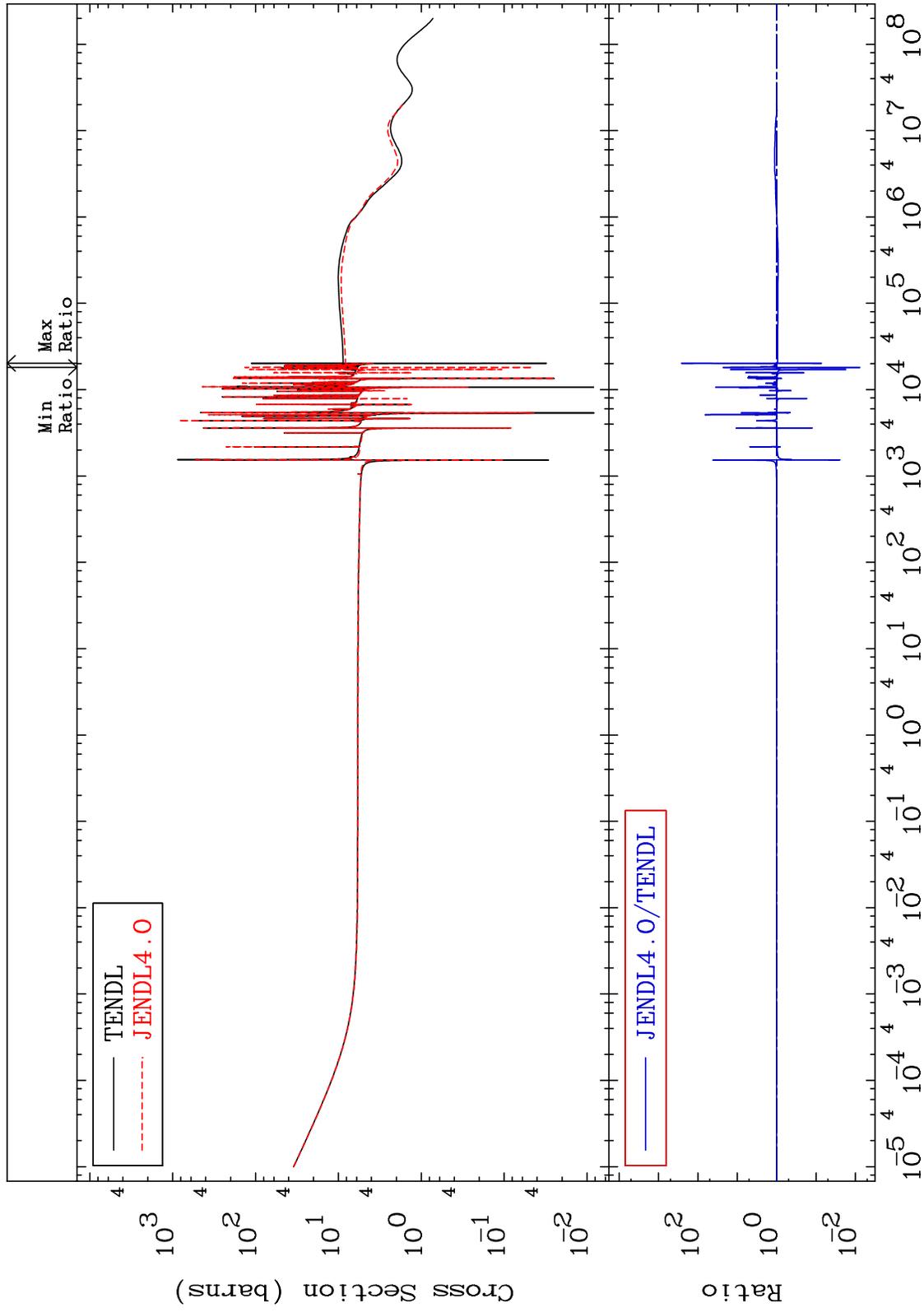
Incident Energy (eV)

42-Mo-94

MAT 4231

Elastic
Cross Section

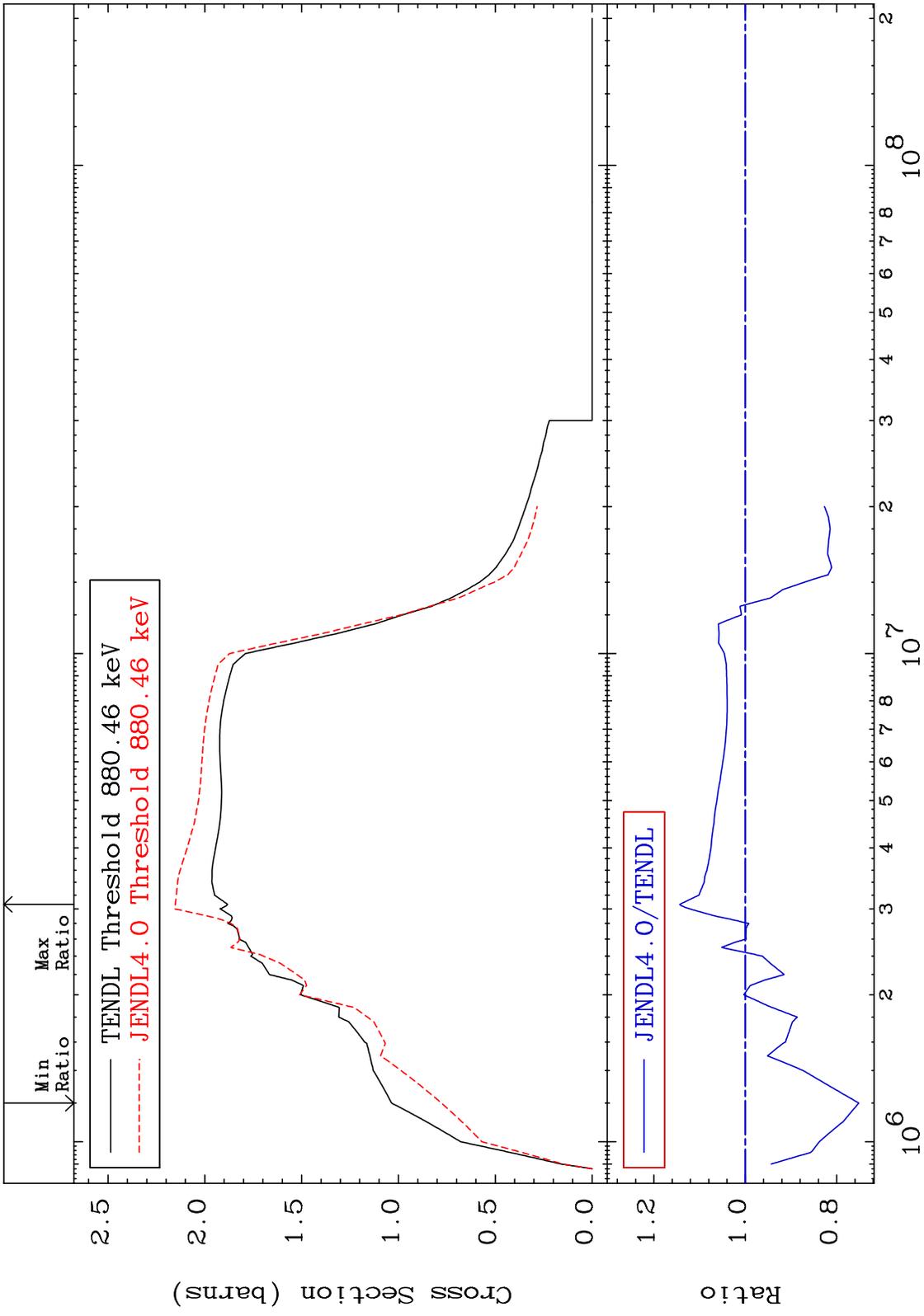
42-Mo-94
-99.23 To 9999. %



MAT 4231

Inelastic
Cross Section

42-Mo-94
-24.83 To 14.34 %

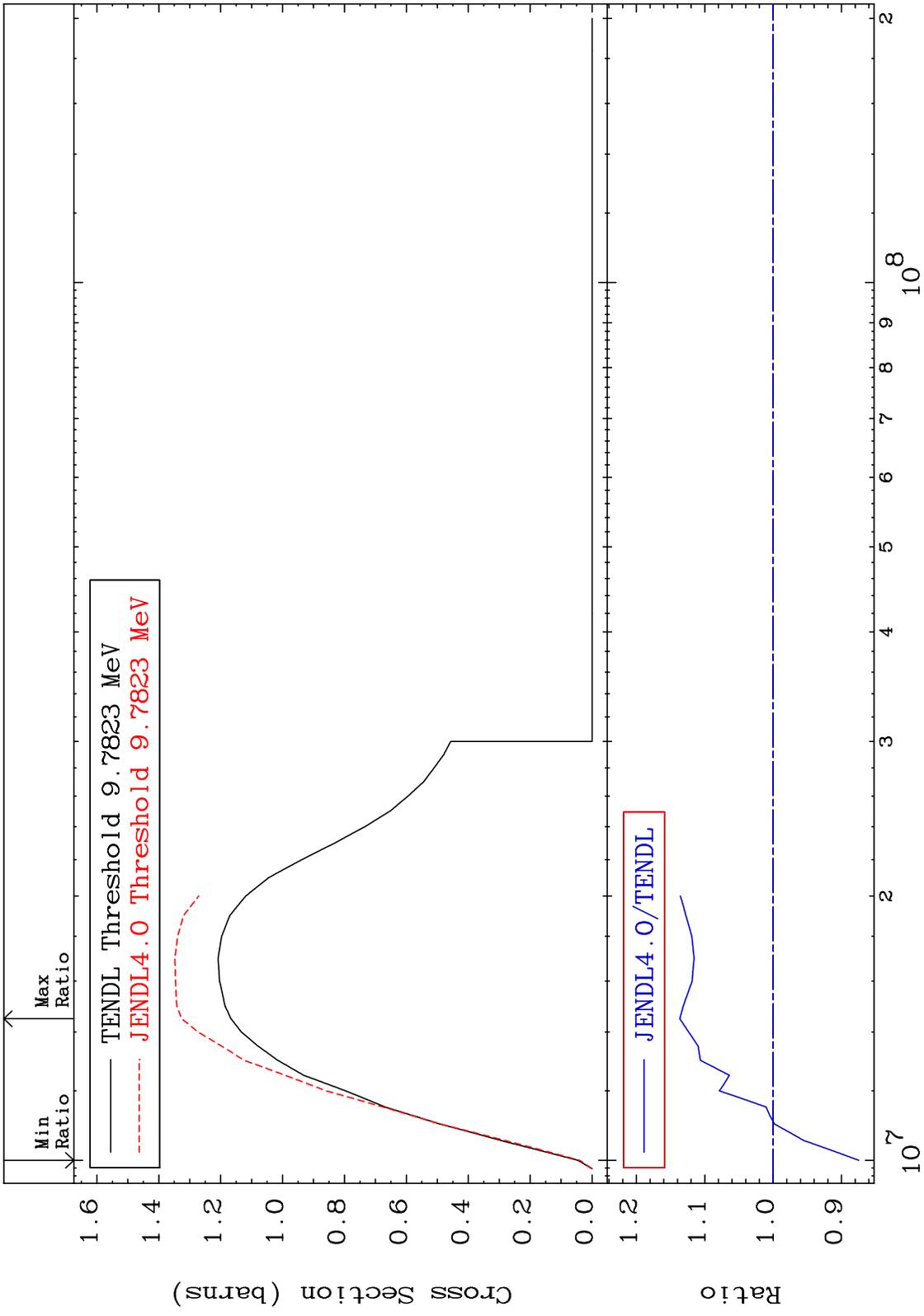


42-Mo-94

Incident Energy (eV)

3

MAT 4231 (n,2n) Cross Section 42-Mo-94 -12.53 To 13.66 %



42-Mo-94

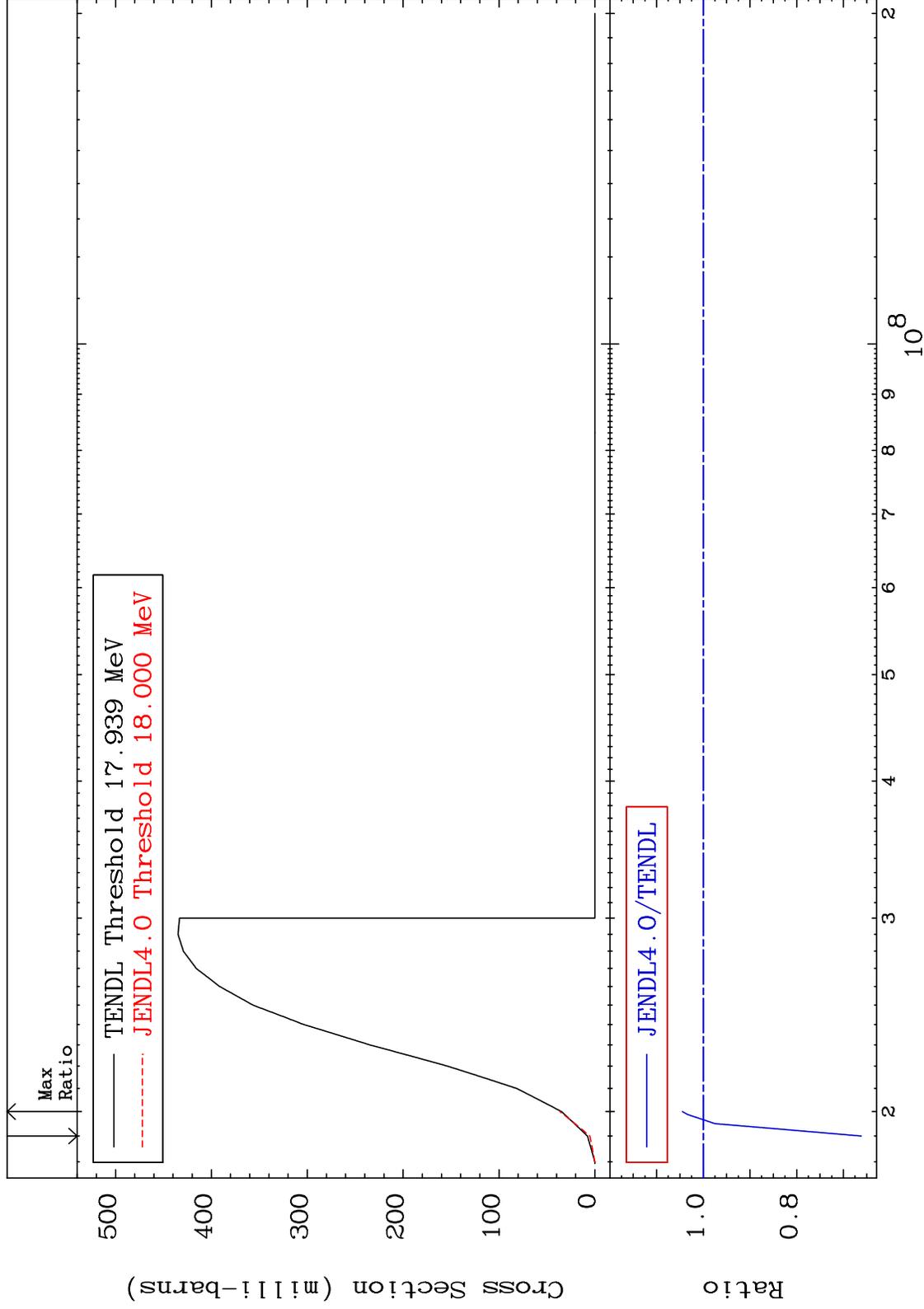
MAT 4231

(n,3n)

42-Mo-94

Cross Section

-33.84 To 4.462 %



5

Incident Energy (eV)

42-Mo-94

MAT 4231

(n,n') α

42-Mo-94

-9.208 To 131.5 %

Cross Section

Min Ratio

Max Ratio

— TENDL Threshold 2.0886 MeV
- - - JENDL4.0 Threshold 9.0000 MeV

Cross Section (milli-barns)

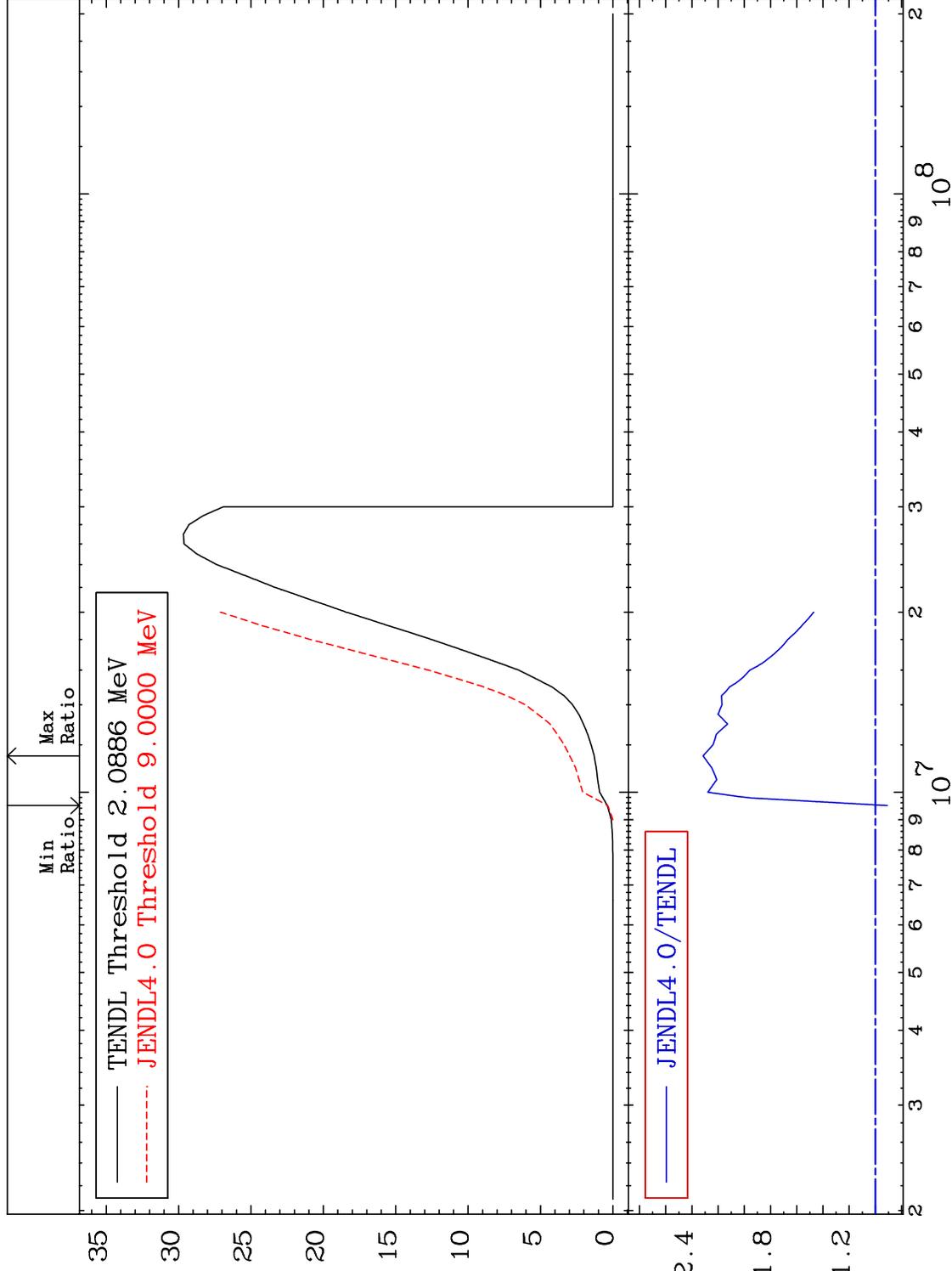
— JENDL4.0/TENDL

Ratio

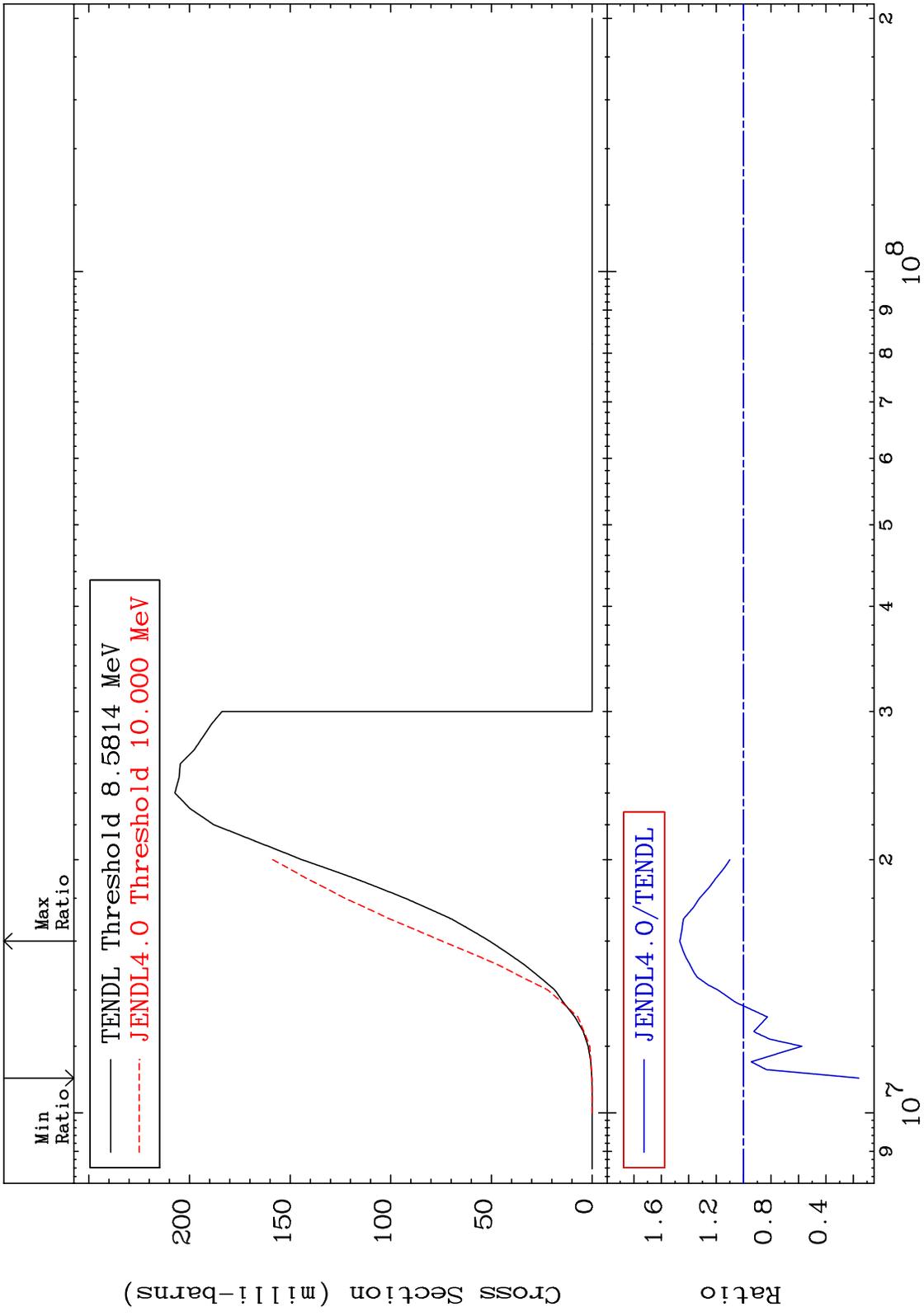
6

Incident Energy (eV)

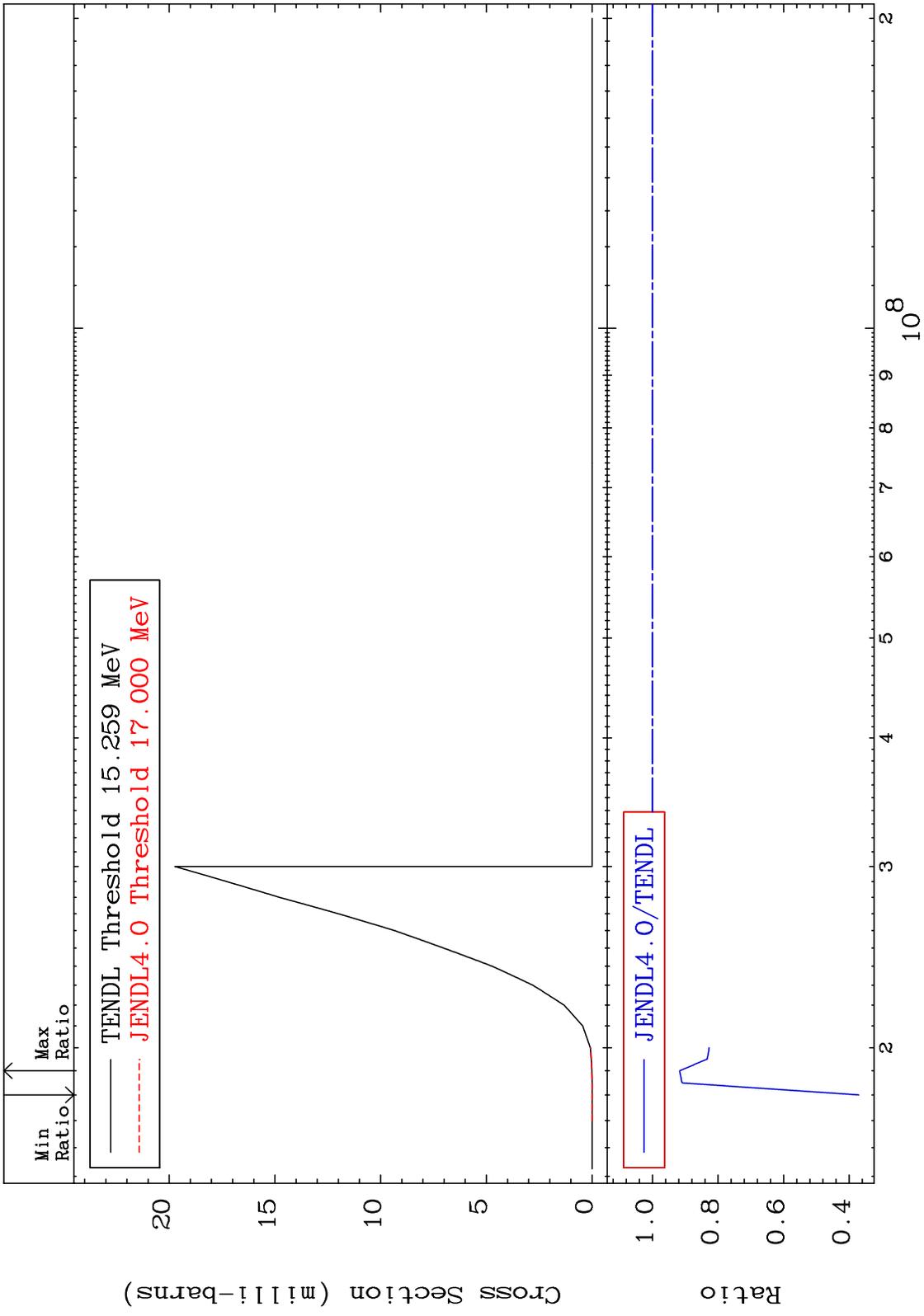
42-Mo-94



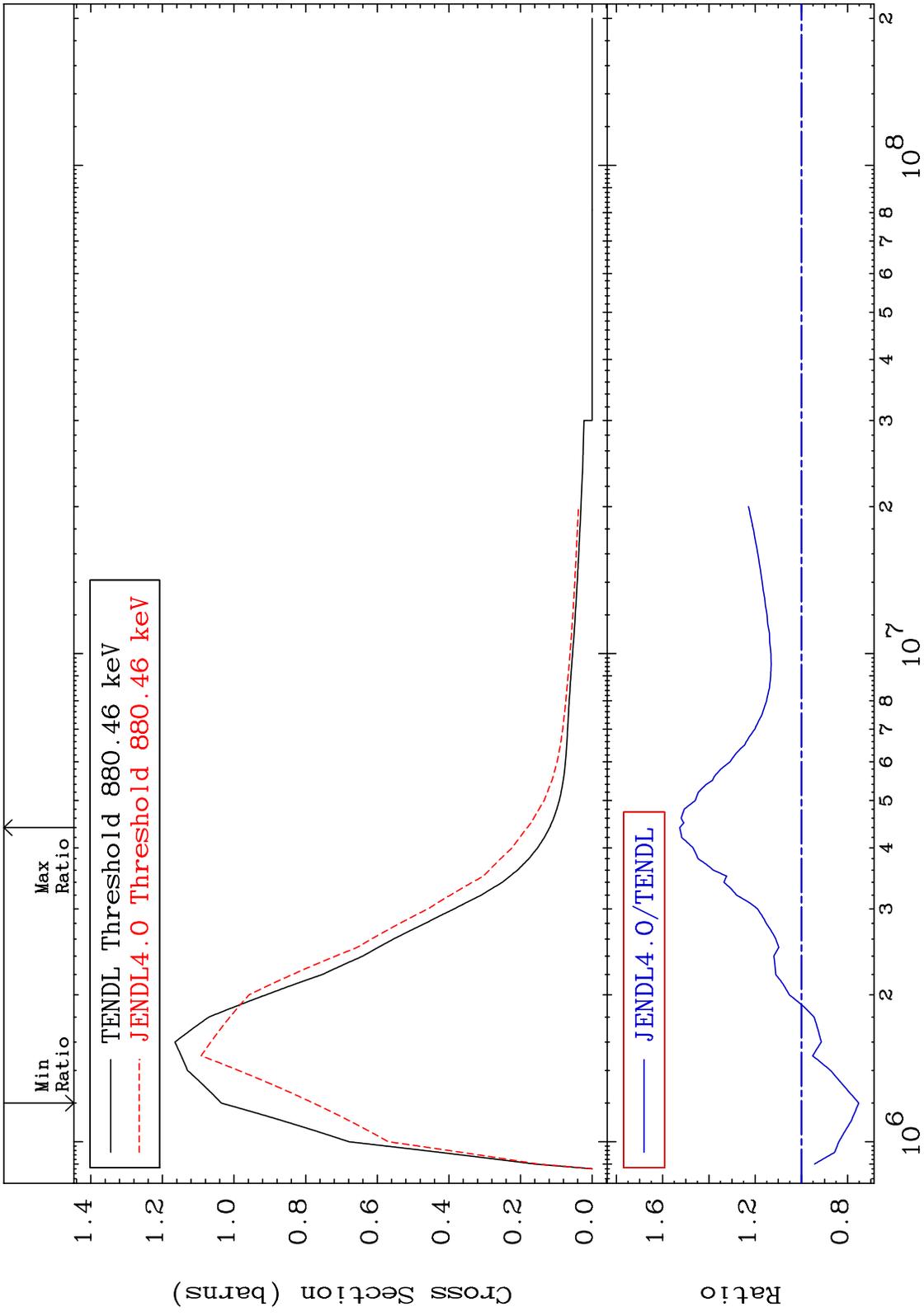
MAT 4231 (n,n') p Cross Section 42-Mo-94
 -83.95 To 46.55 %



7 9 10⁷ 2 3 4 5 6 7 8 9 10⁸ 2 42-Mo-94



MAT 4231 MT= 51 (n,n') Level Cross Section -24.83 To 52.62 % 42-Mo-94

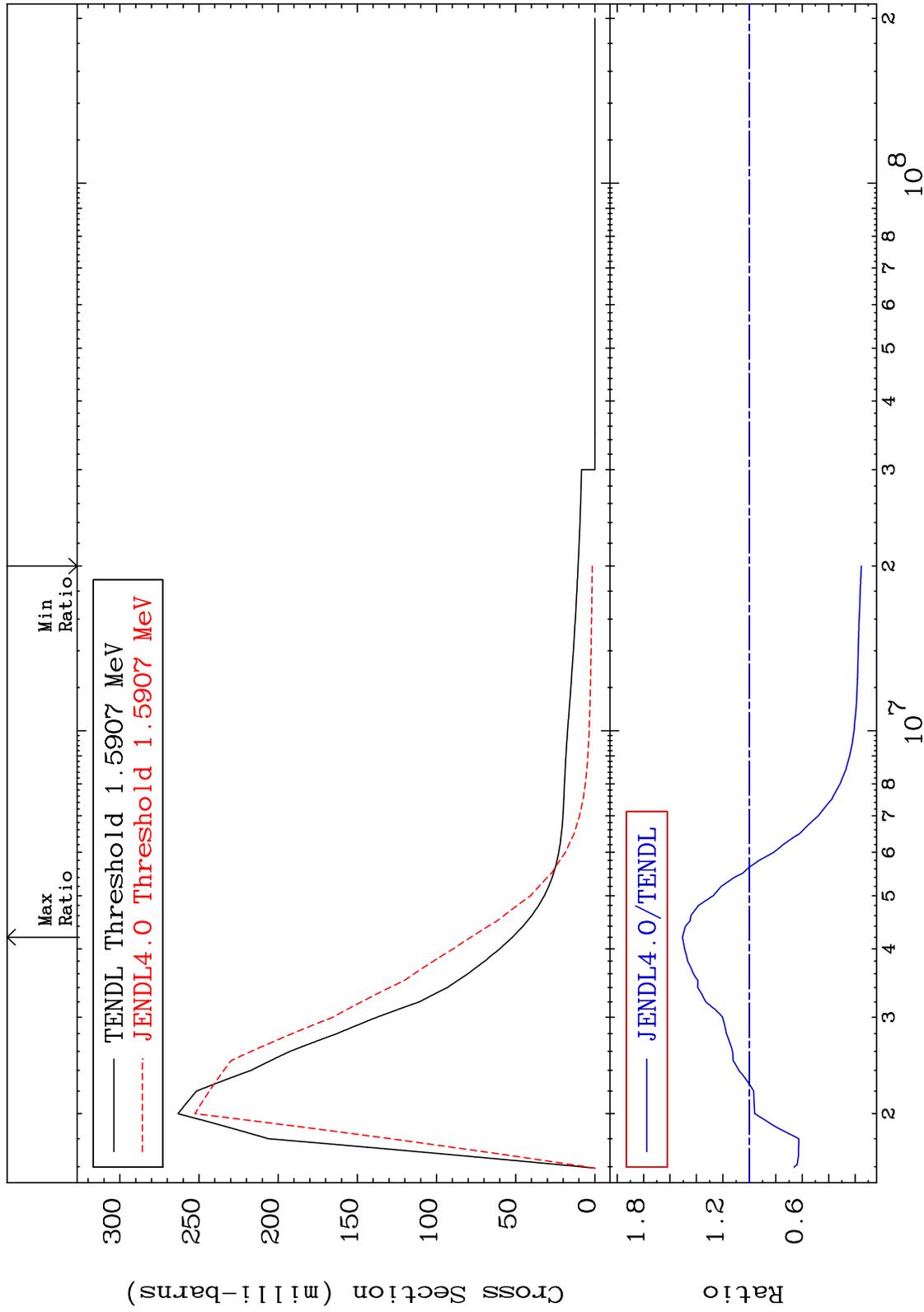


42-Mo-94

MAT 4231

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

42-Mo-94
-84.69 To 50.60 %

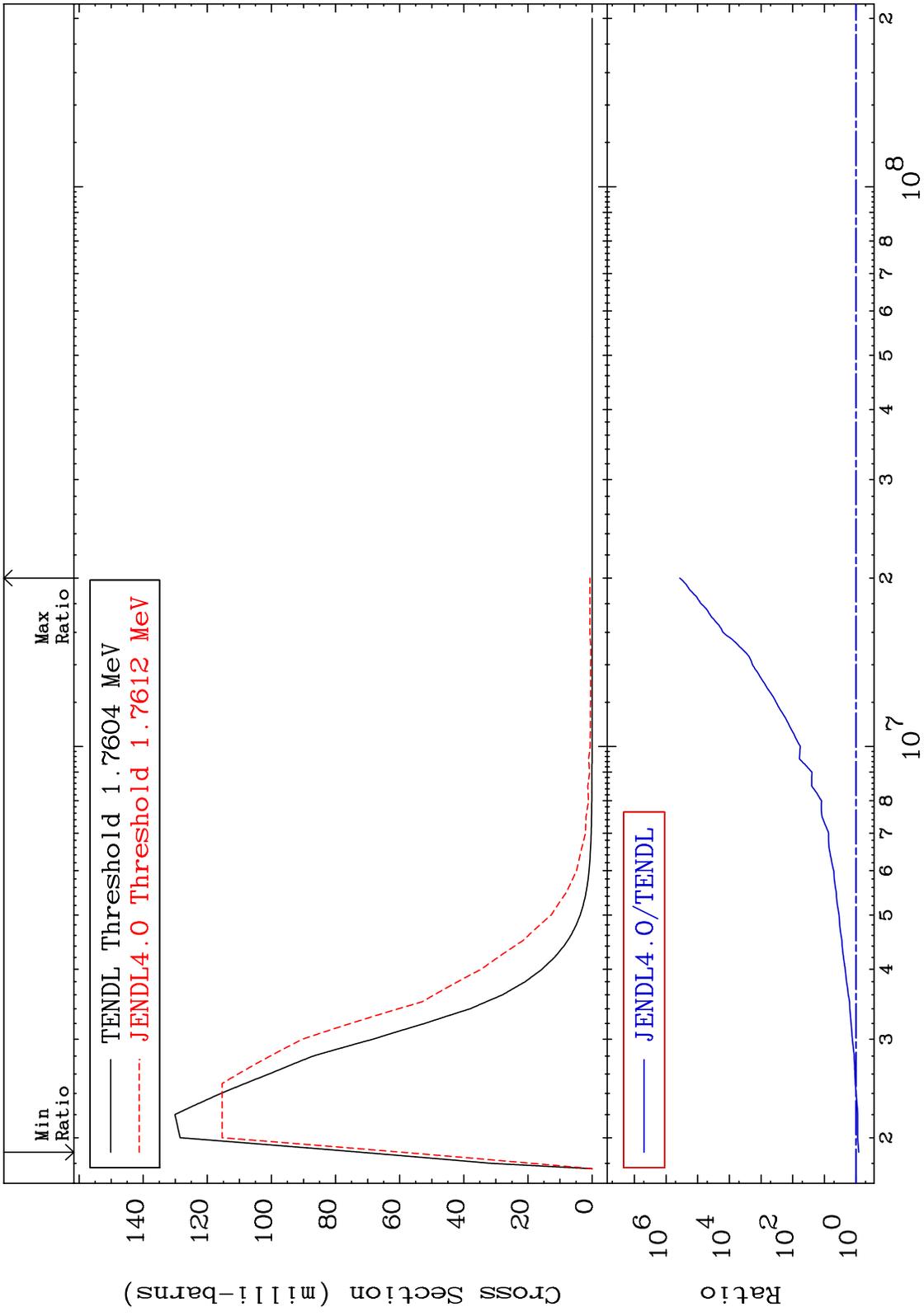


10

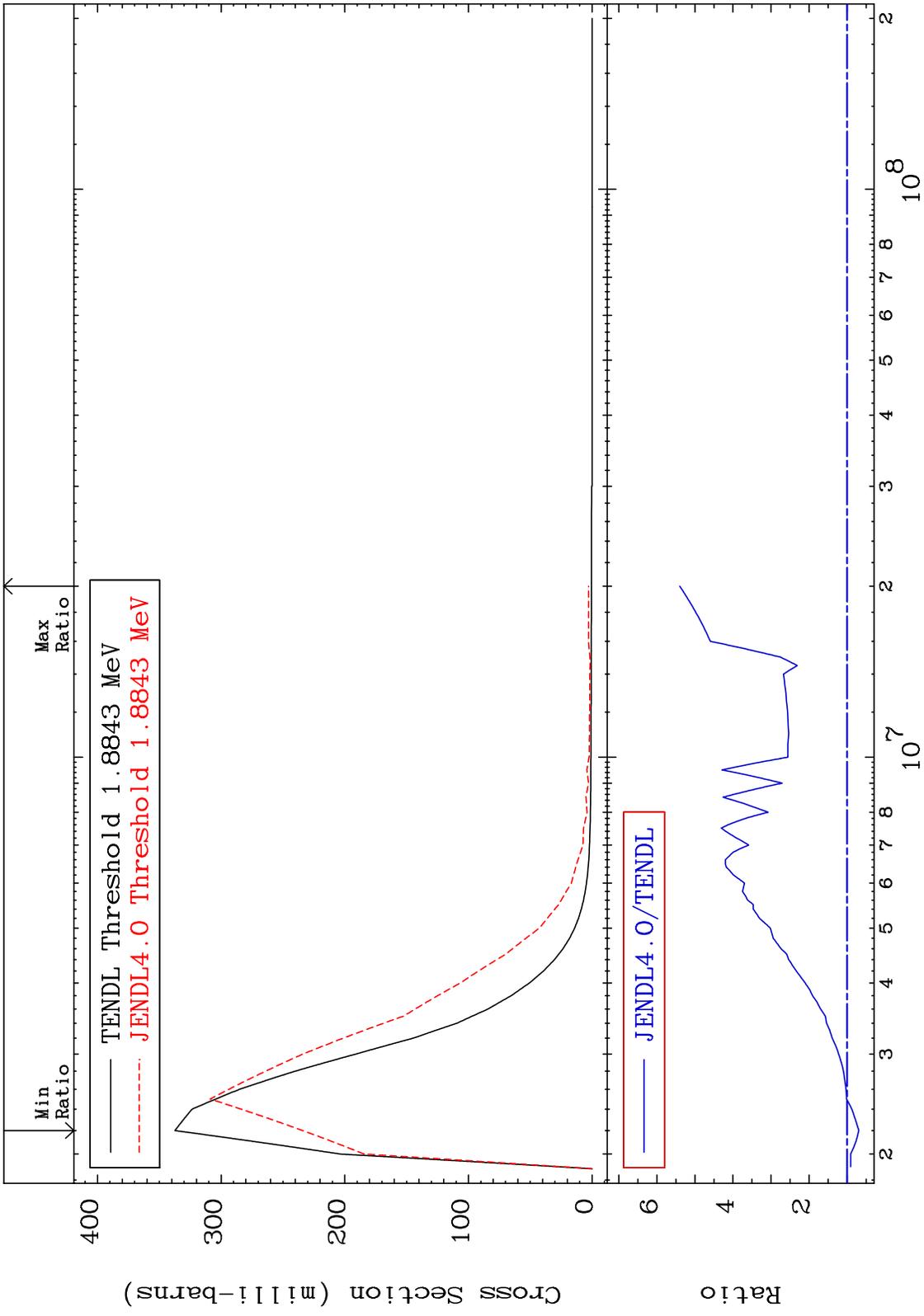
Incident Energy (eV)

42-Mo-94

MAT 4231 MT= 53 (n,n') Level Cross Section -17.77 To 9999. % 42-Mo-94



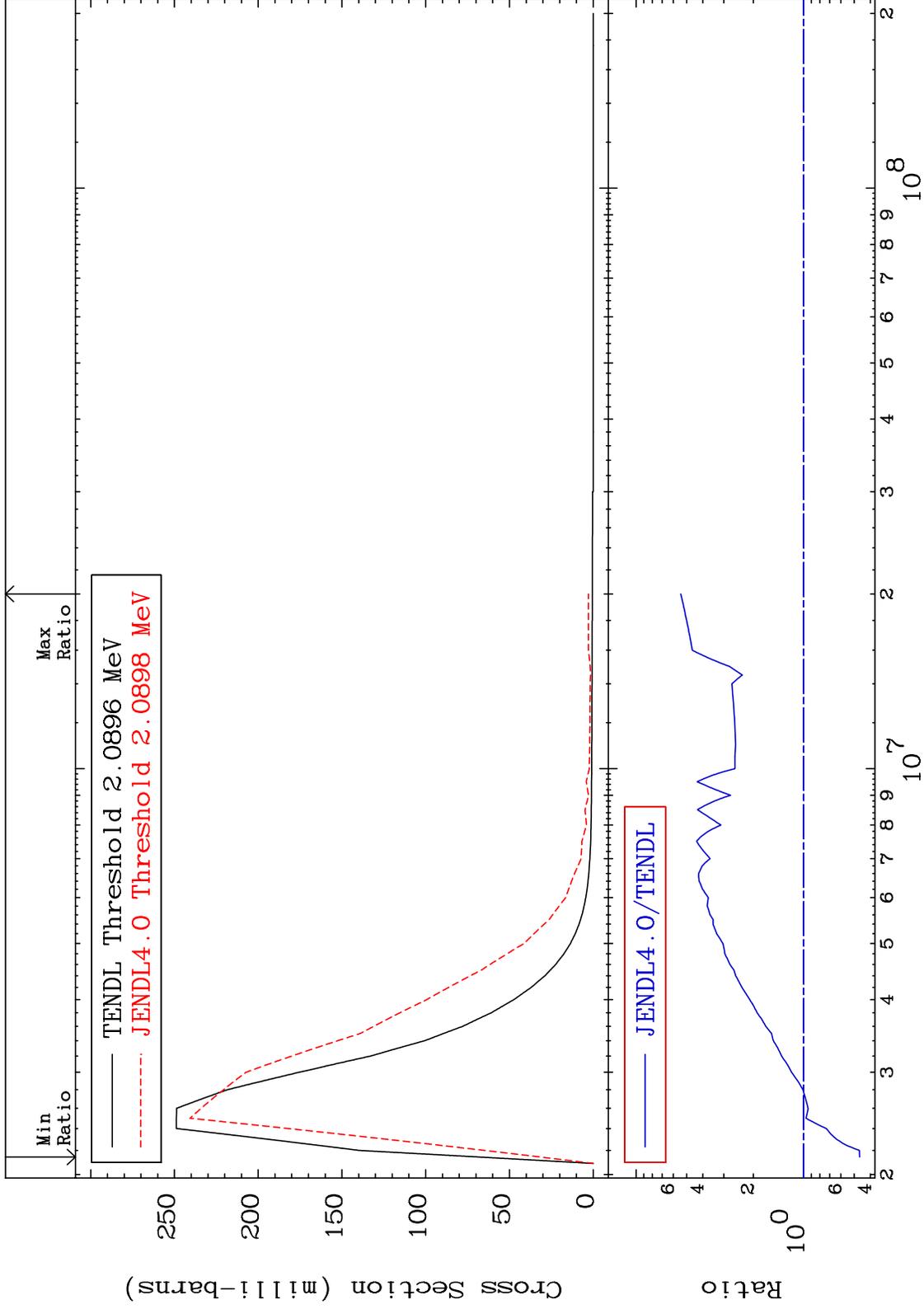
MAT 4231 MT= 54 (n,n') Level Cross Section -30.61 To 439.9 % 42-Mo-94



MAT 4231

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

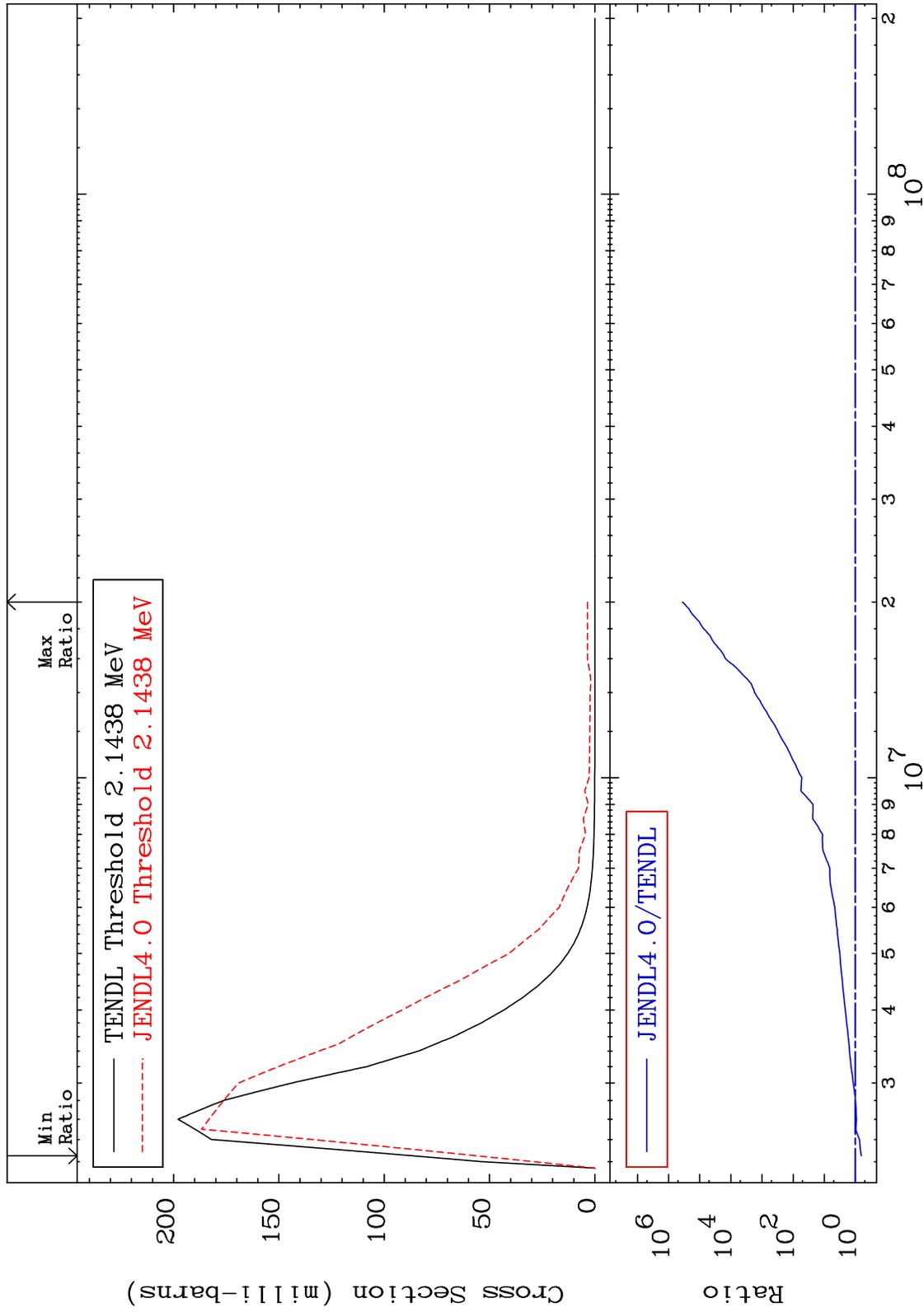
42-Mo-94
-53.71 To 441.4 %



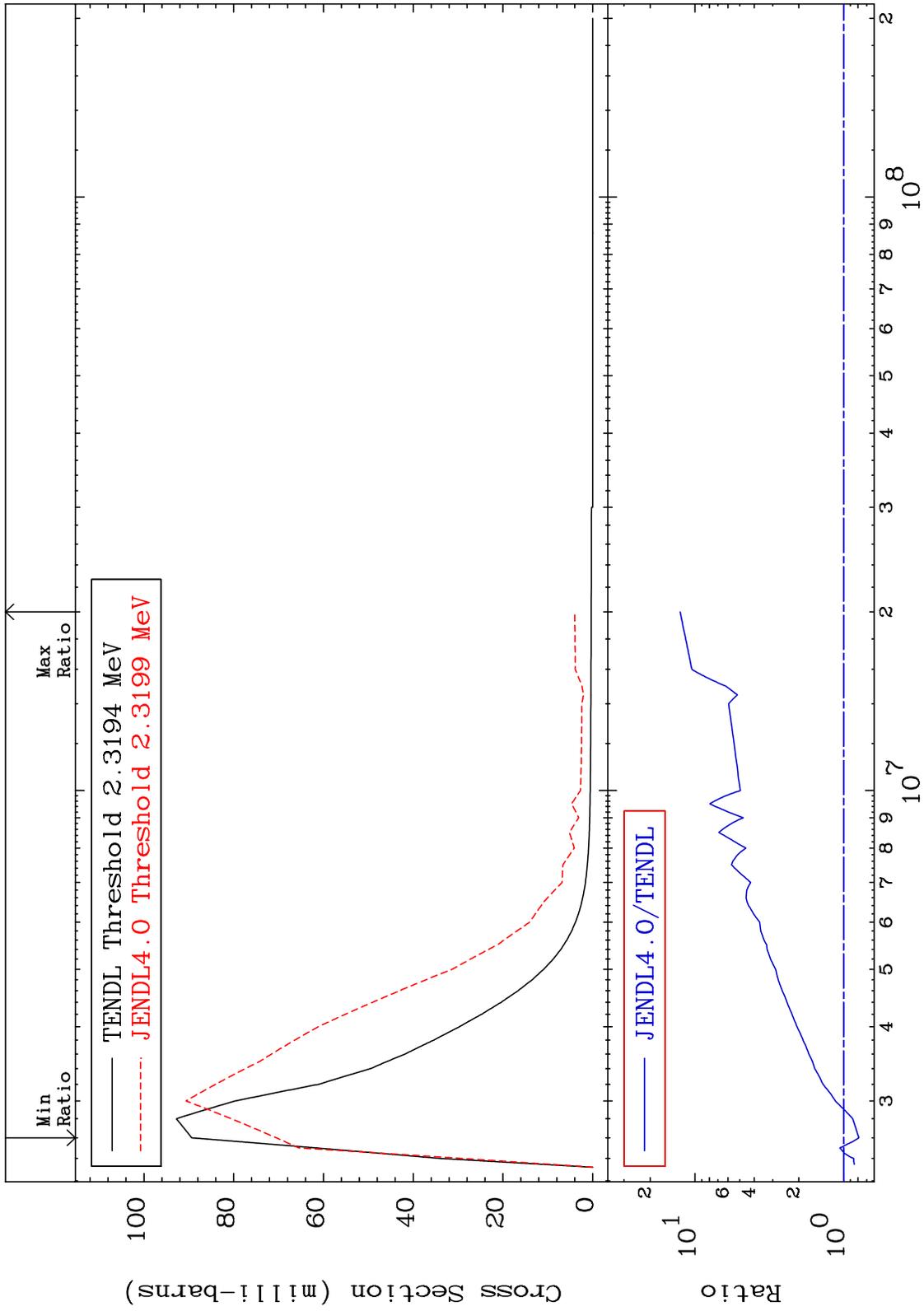
MAT 4231

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

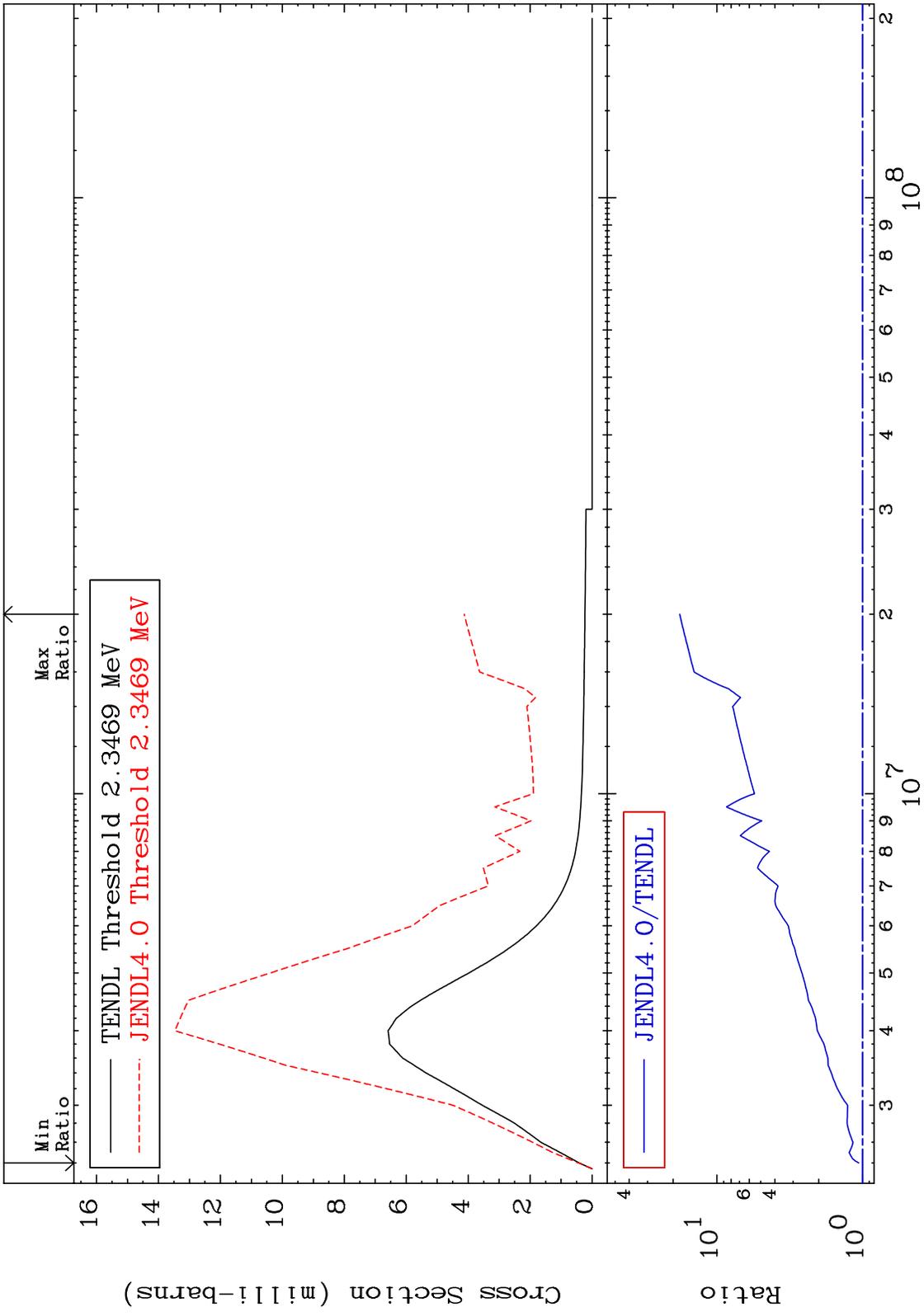
42-Mo-94
-35.31 To 9999. %



MAT 4231 MT= 57 (n,n') Level Cross Section -21.09 To 1157. % 42-Mo-94

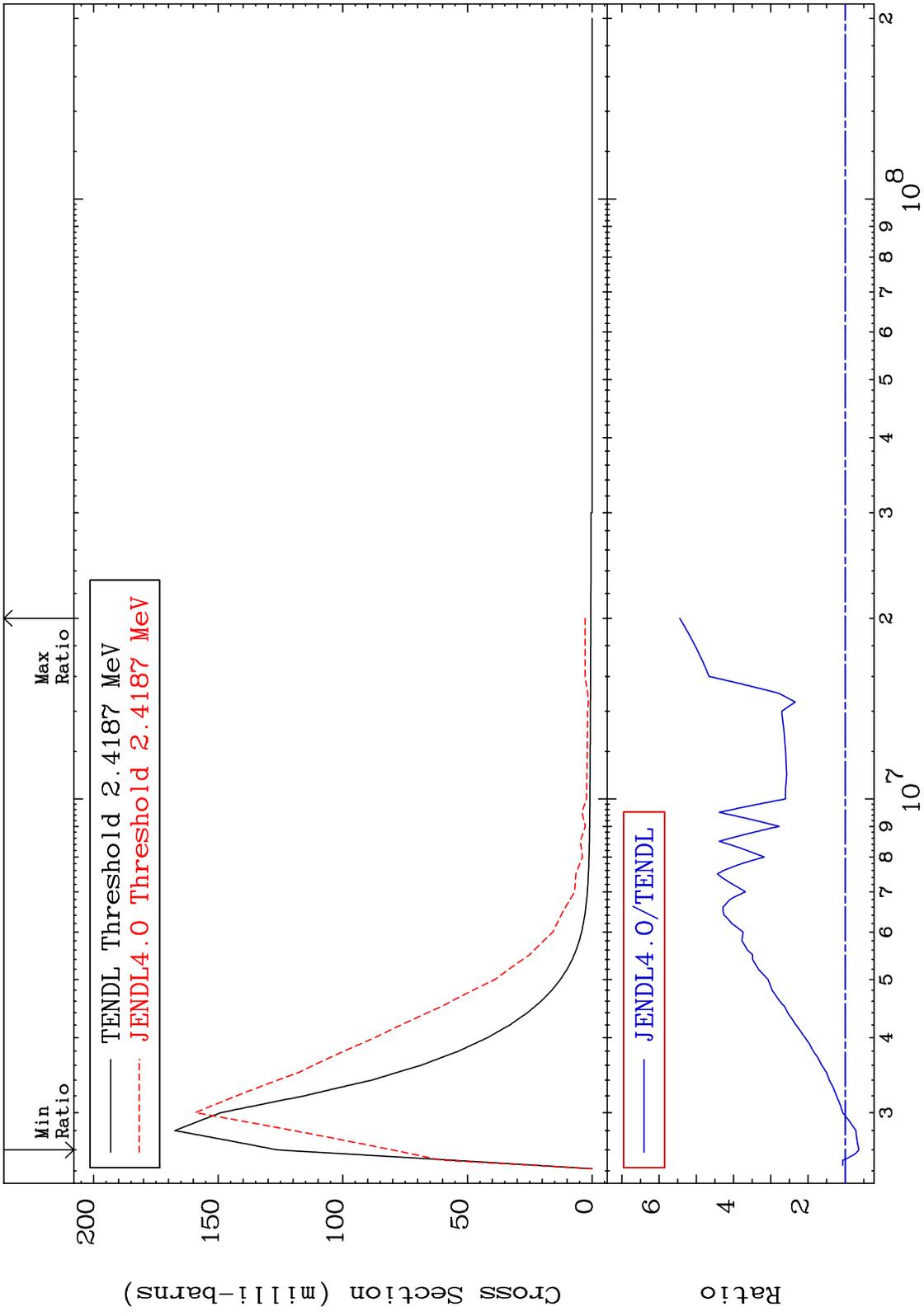


MAT 4231 MT= 58 (n,n') Level Cross Section 42-Mo-94 6.197 To 1699. %

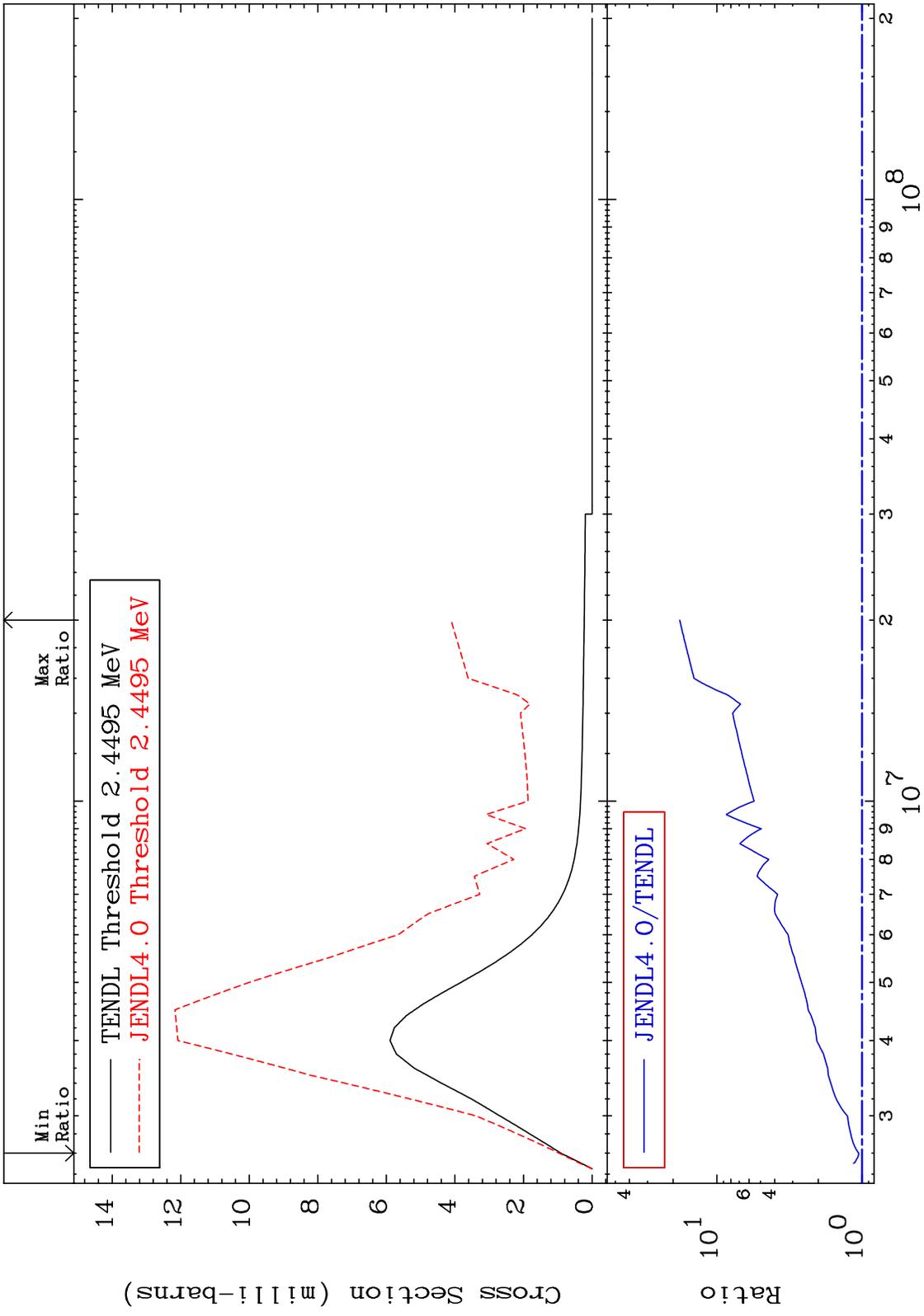


16 42-Mo-94

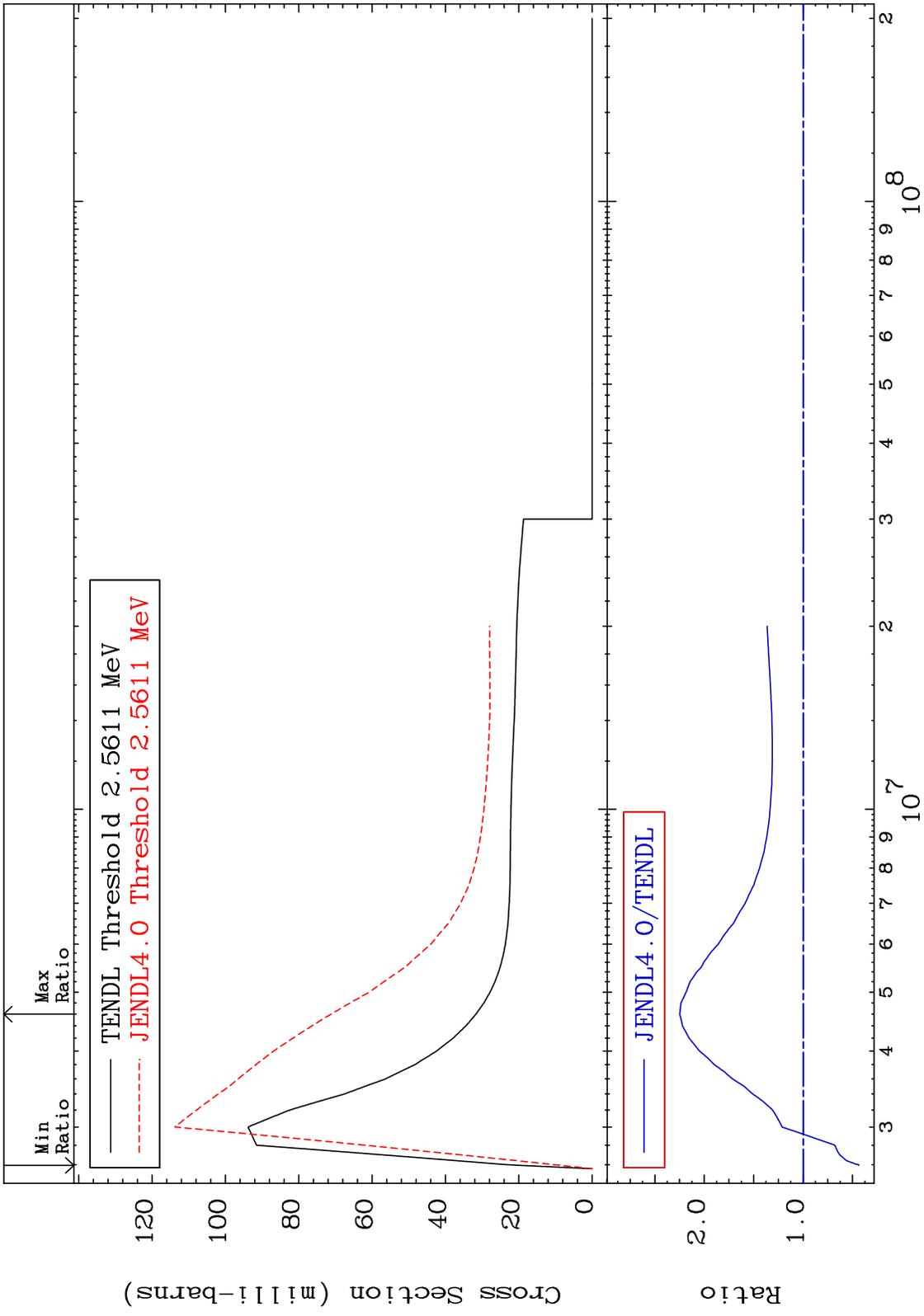
MAT 4231 MT= 59 (n,n') Level Cross Section -36.46 To 444.6 % 42-Mo-94



MAT 4231 MT= 60 (n,n') Level Cross Section 42-Mo-94 5.278 To 1699. %



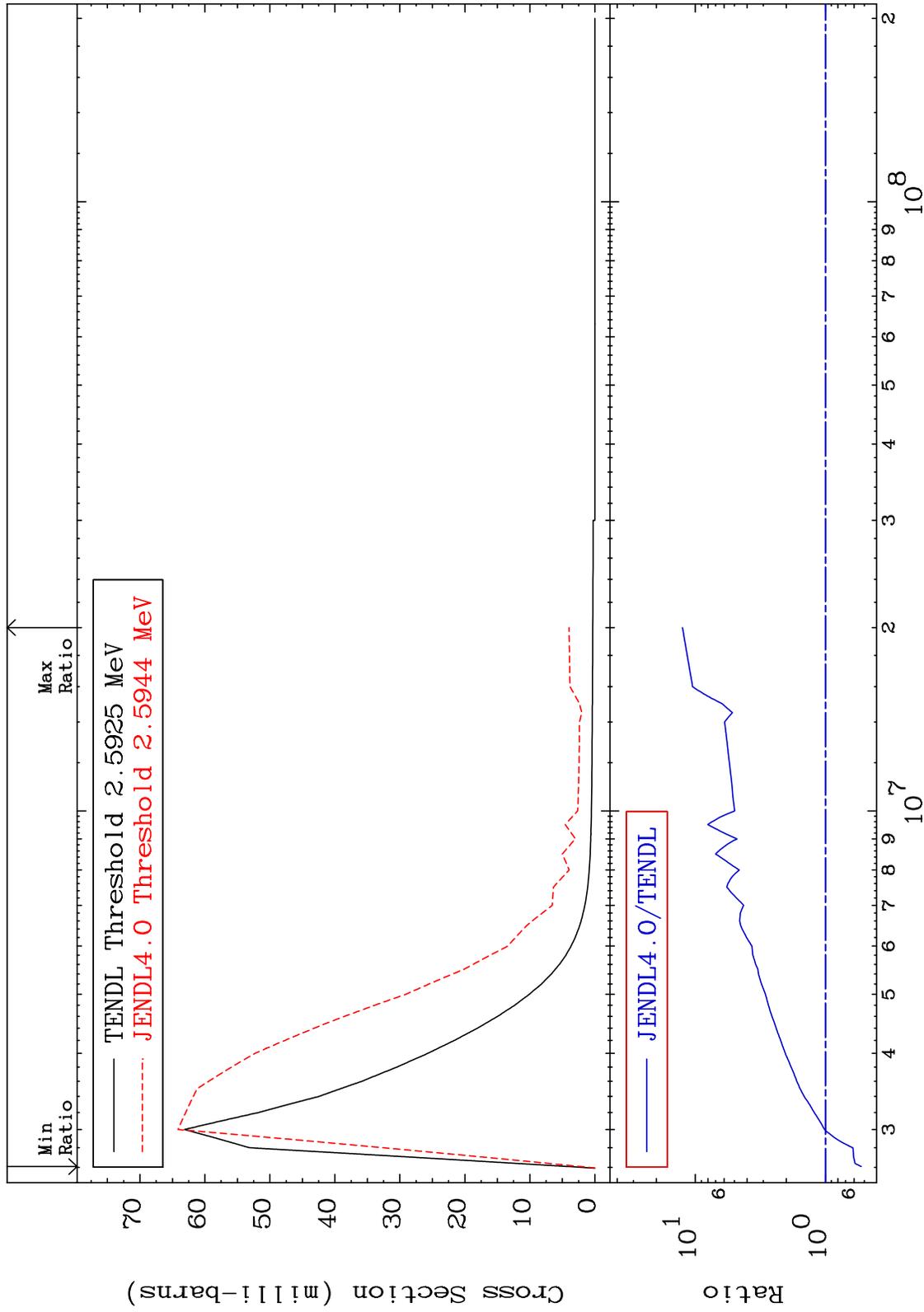
MAT 4231 MT= 61 (n,n') Level Cross Section -56.40 To 124.8 % 42-Mo-94



MAT 4231

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

42-Mo-94
-47.17 To 1158. %



20

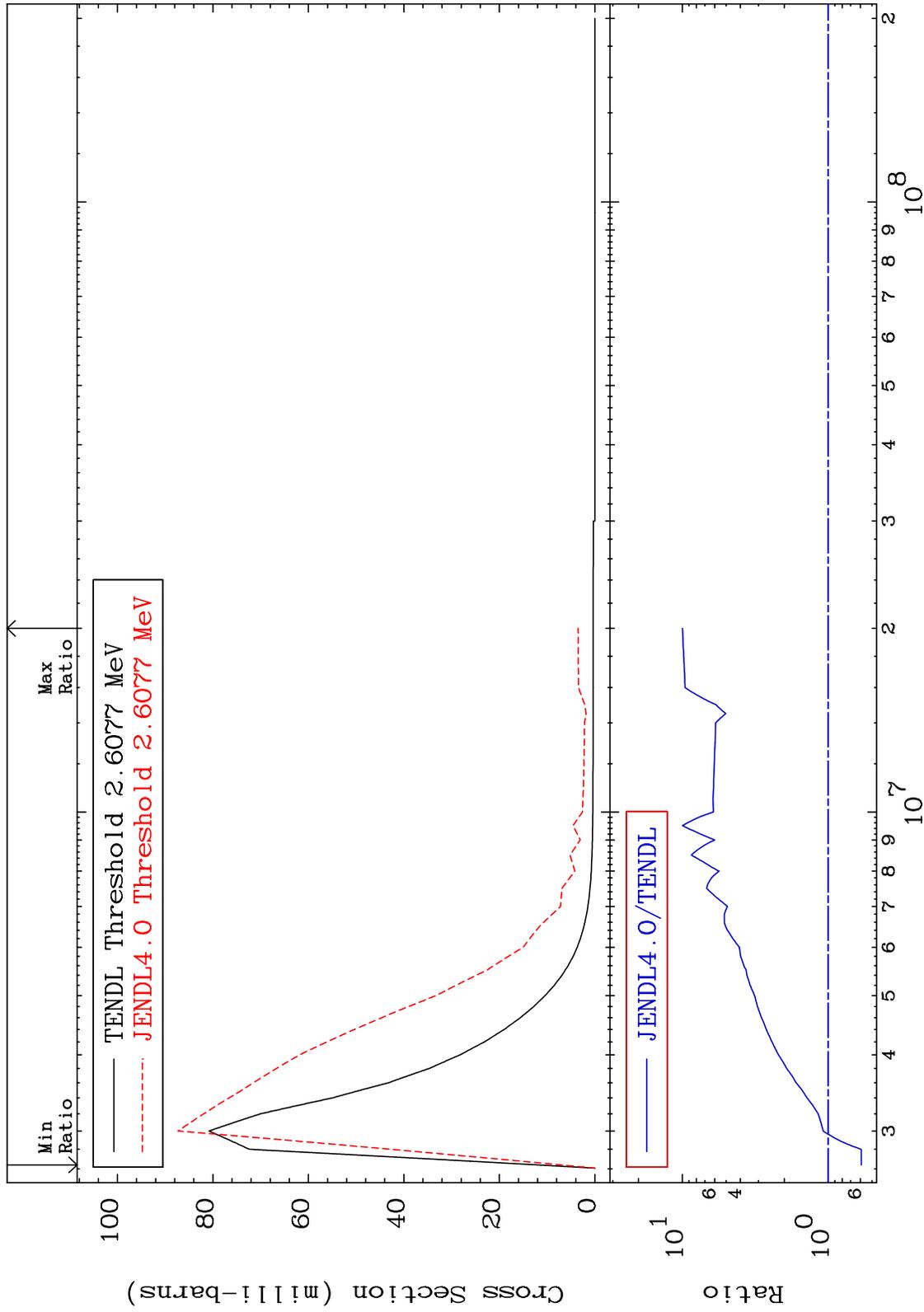
Incident Energy (eV)

42-Mo-94

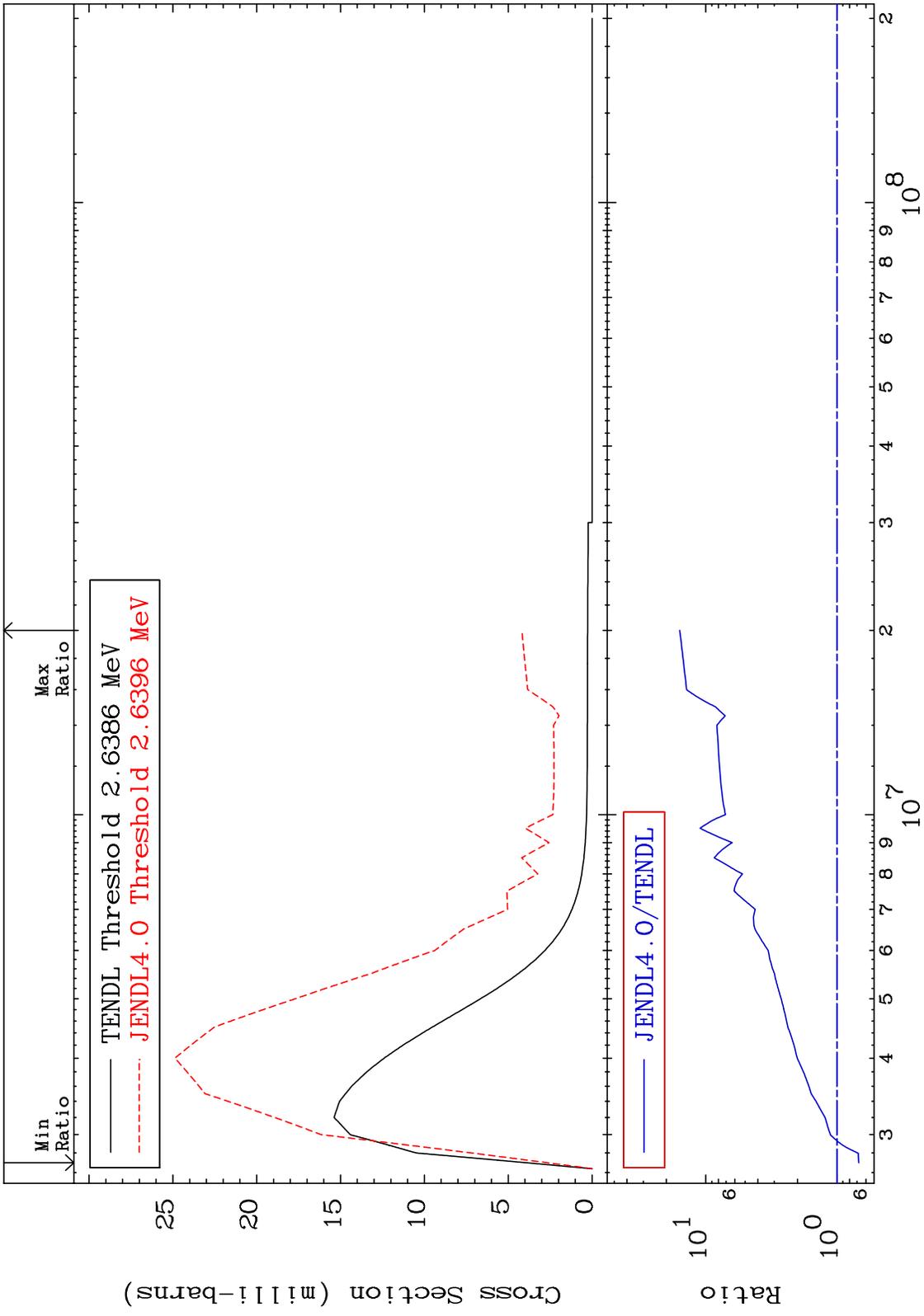
MAT 4231

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

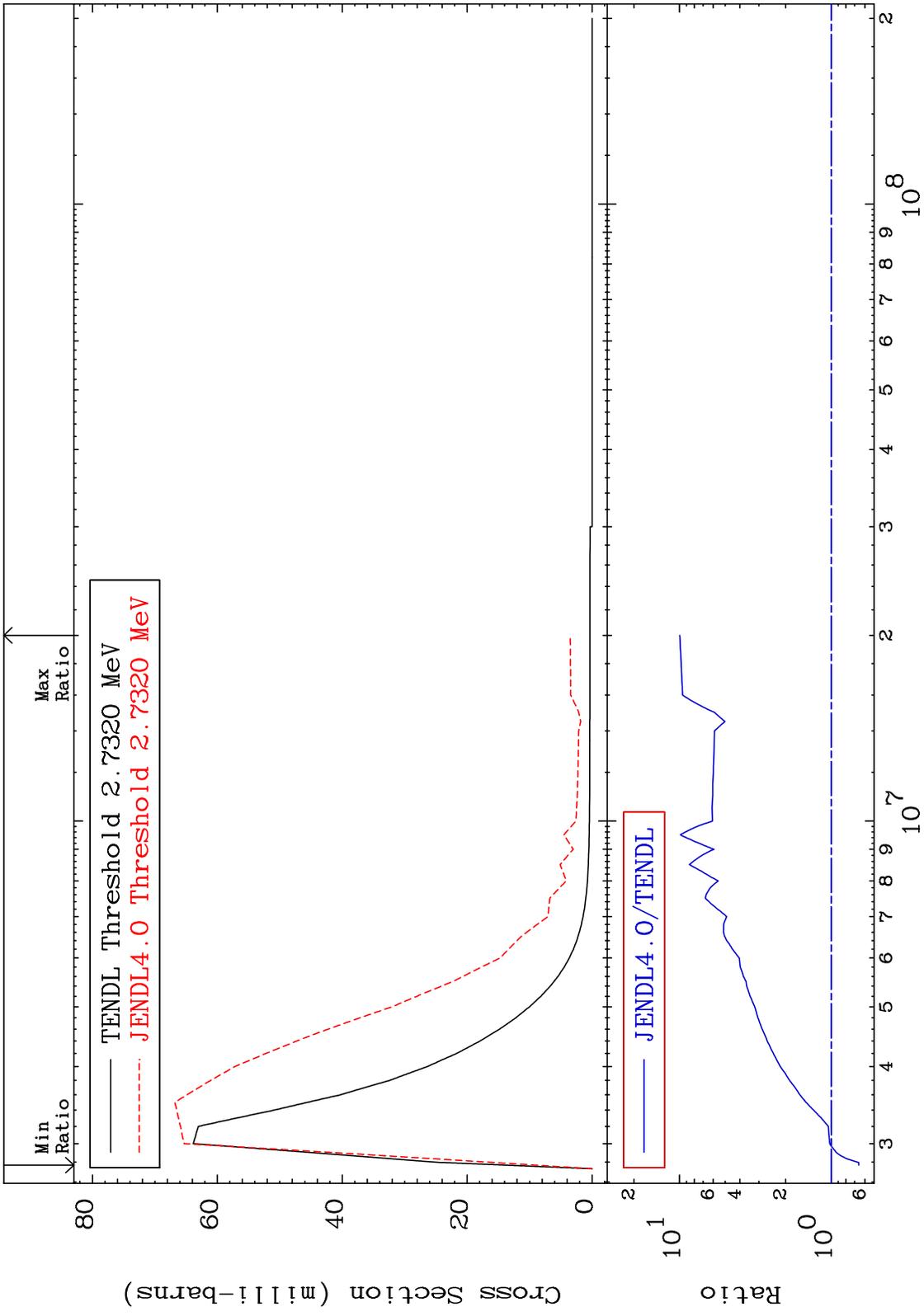
42-Mo-94
-40.87 To 898.1 %



MAT 4231 MT= 64 (n,n') Level Cross Section -32.05 To 1480. % 42-Mo-94



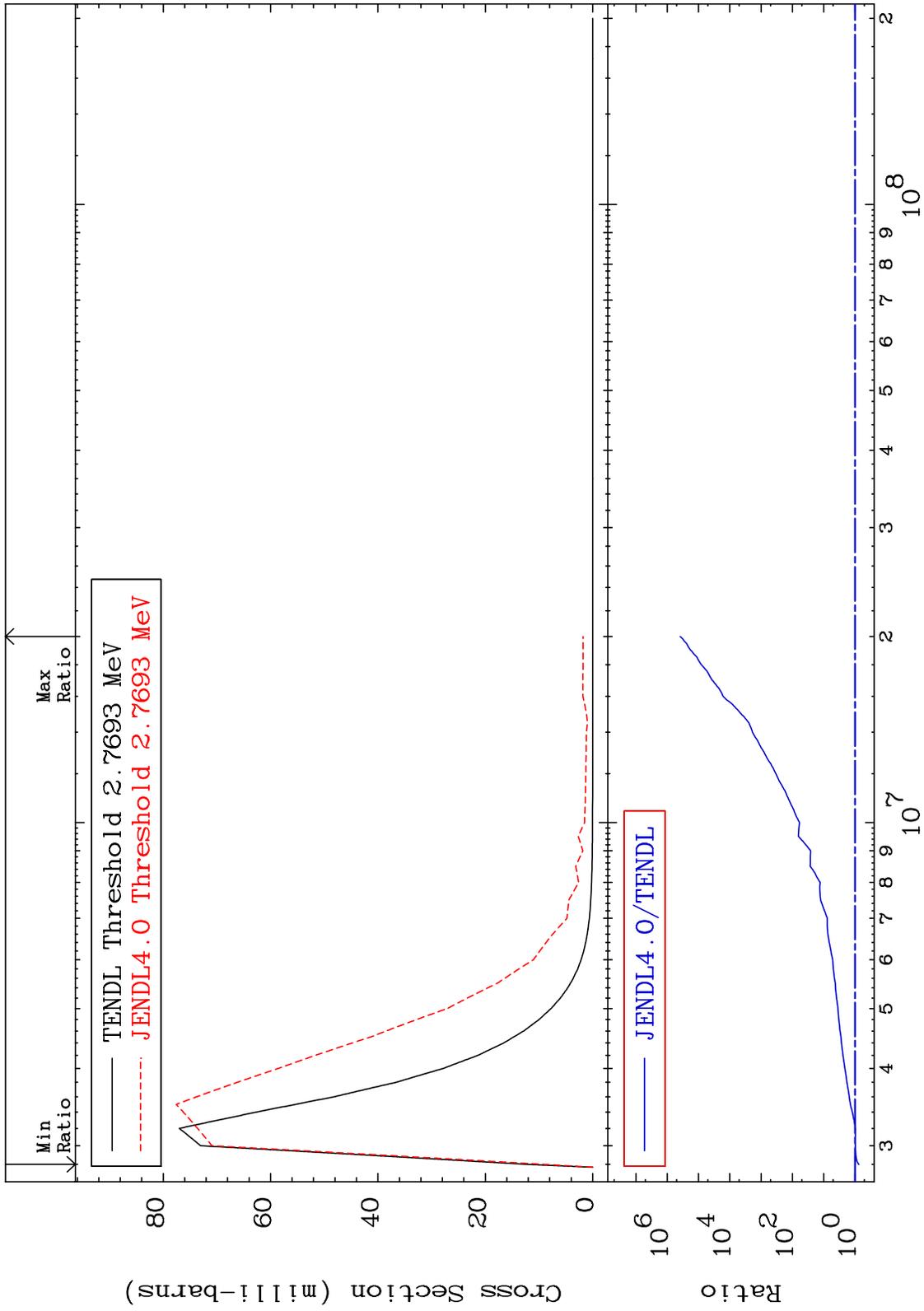
MAT 4231 MT= 65 (n,n') Level Cross Section -34.23 To 897.2 % 42-Mo-94



MAT 4231

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

42-Mo-94
-25.21 To 9999. %



24

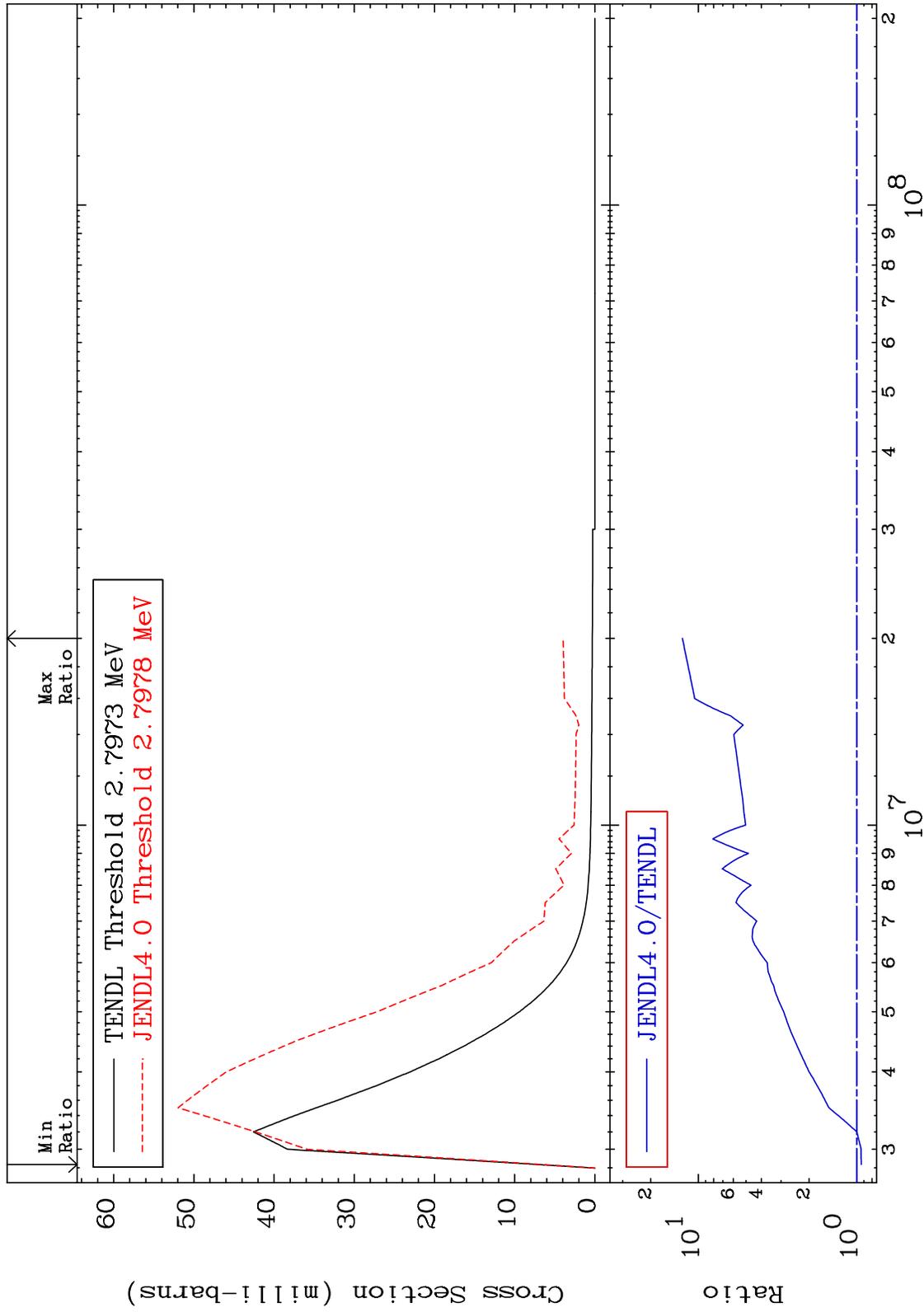
Incident Energy (eV)

42-Mo-94

MAT 4231

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

42-Mo-94
-6.628 To 1158. %

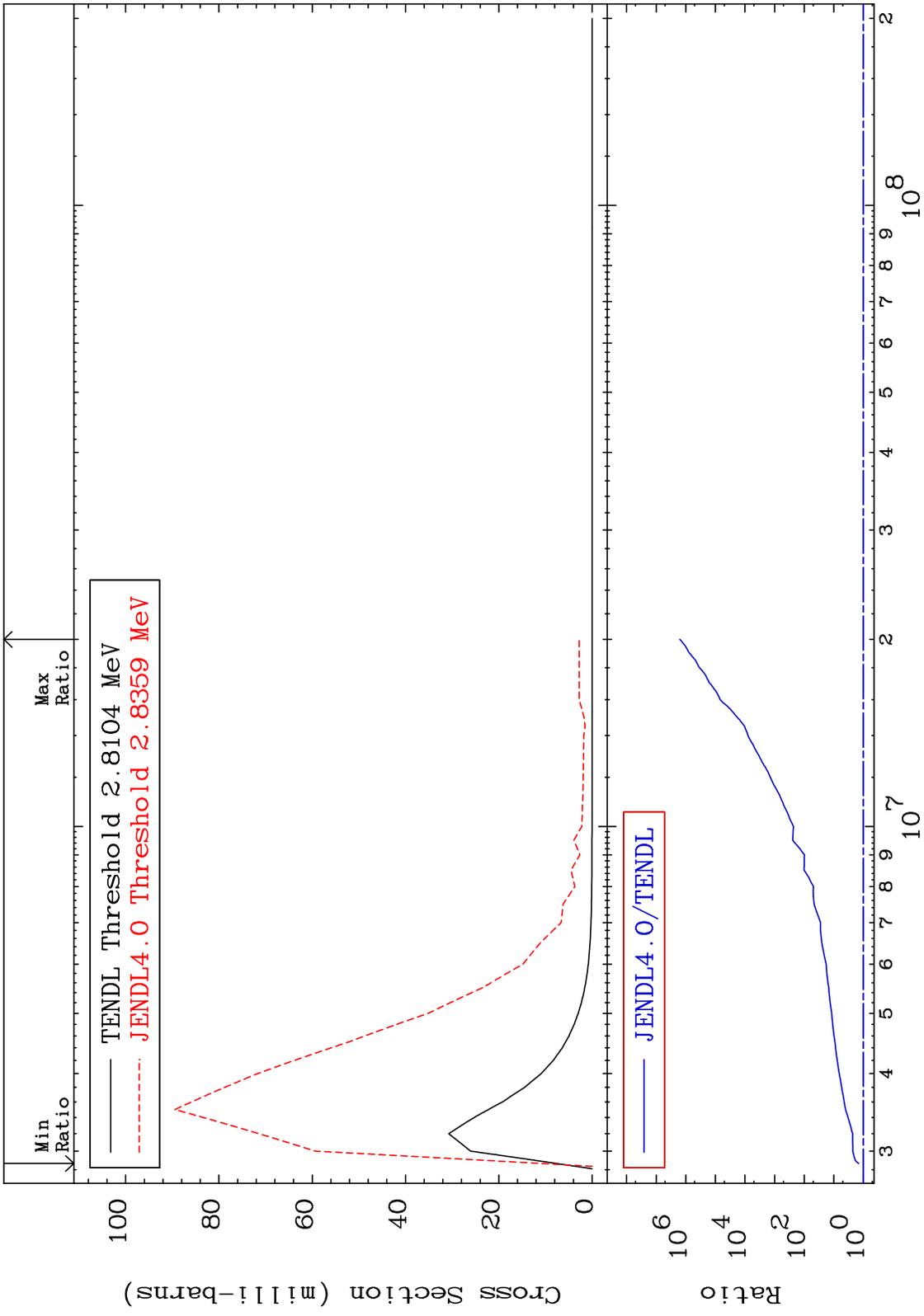


25

Incident Energy (eV)

42-Mo-94

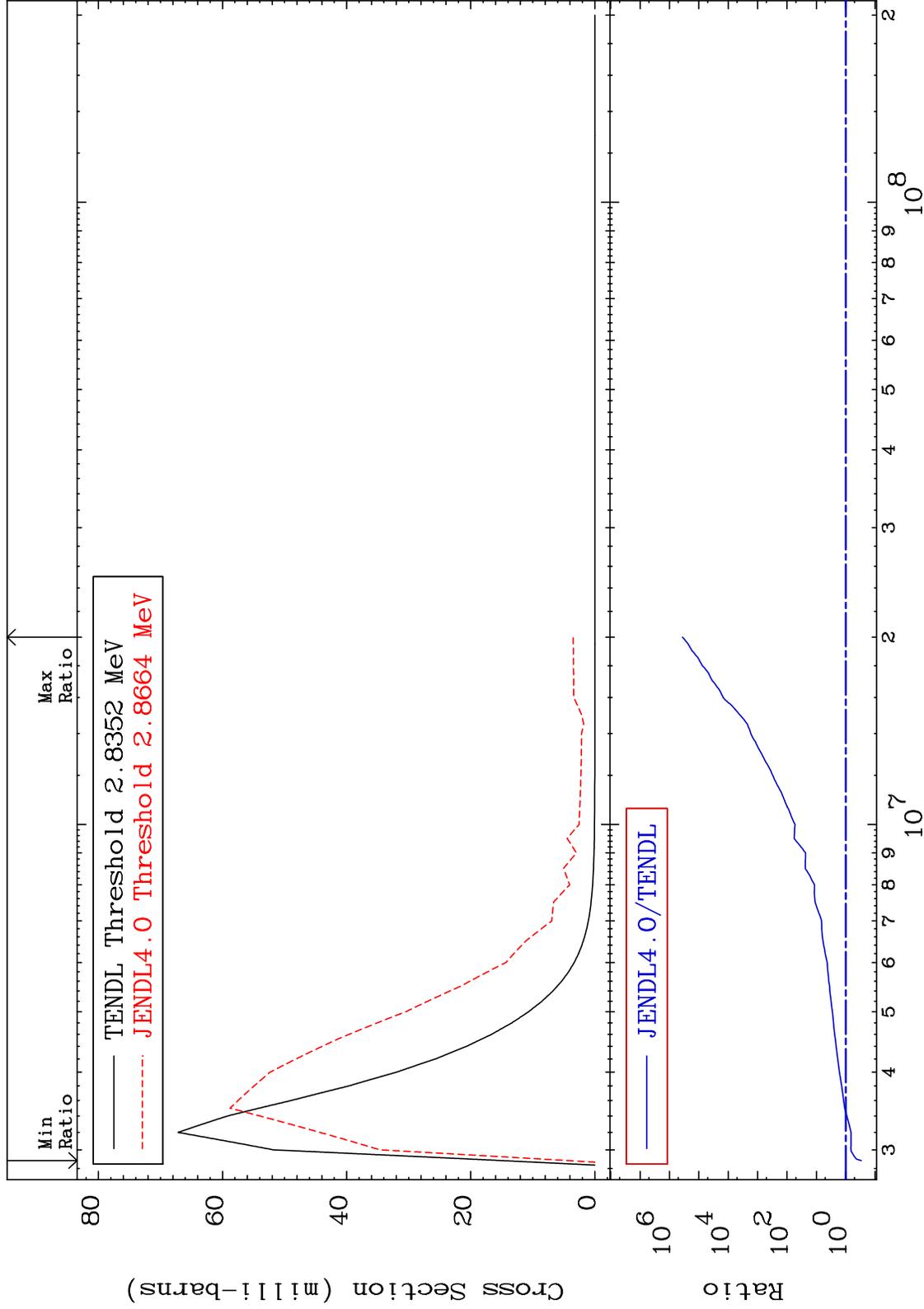
MAT 4231 MT= 68 (n,n') Level Cross Section 43.27 To 9999. % 42-Mo-94



MAT 4231

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

42-Mo-94
-70.59 To 9999. %



27

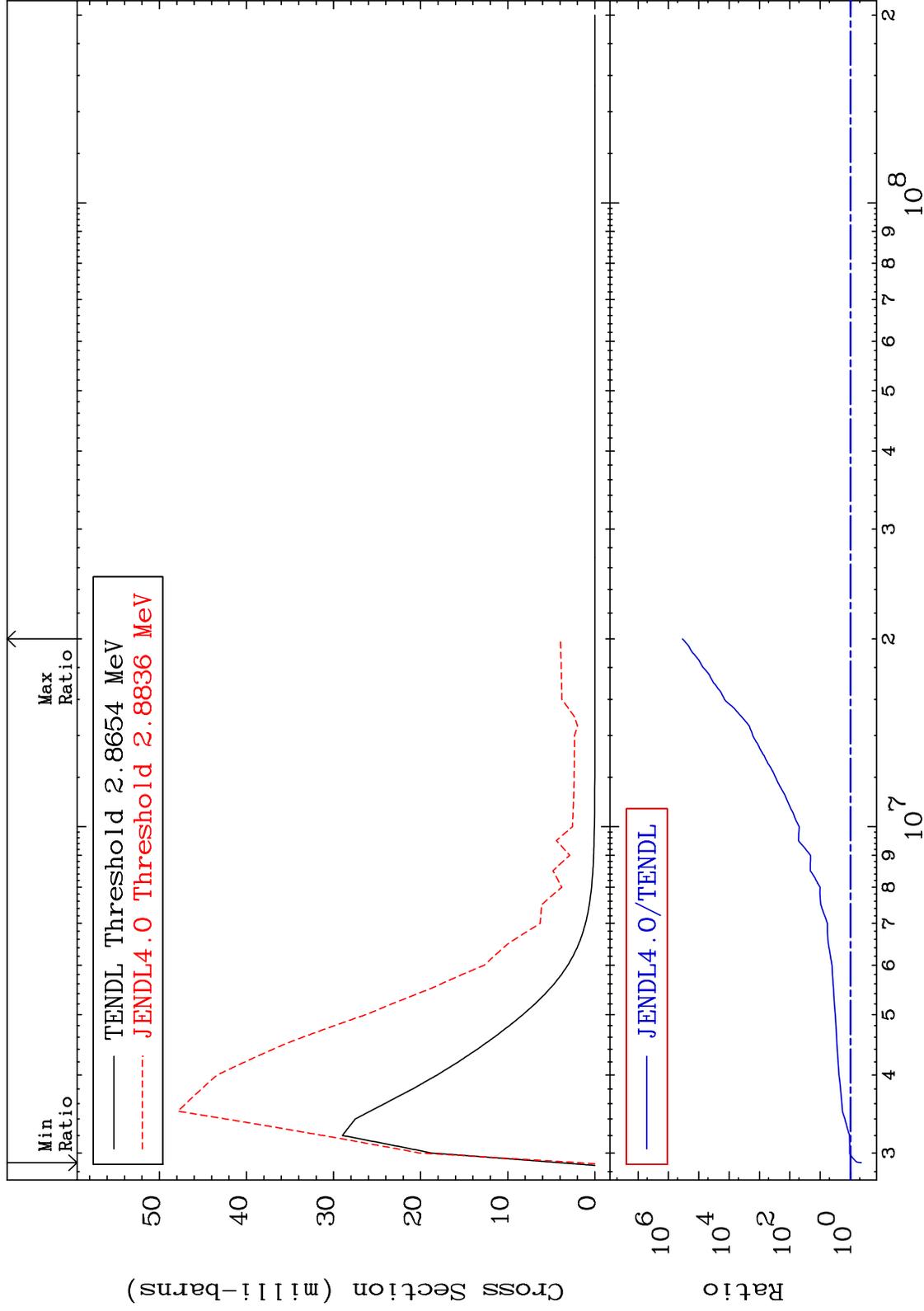
Incident Energy (eV)

42-Mo-94

MAT 4231

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

42-Mo-94
-55.83 To 9999. %



28

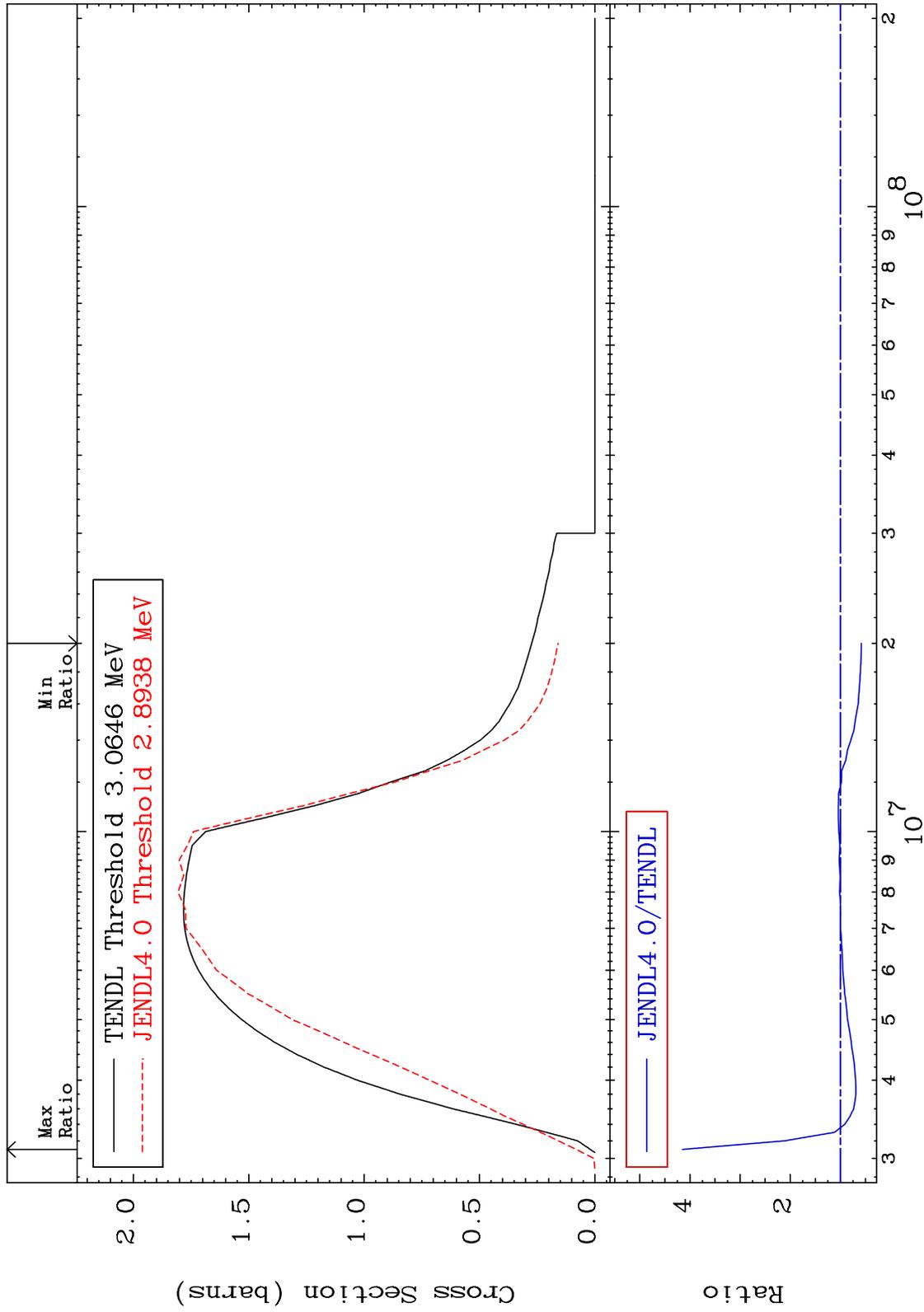
Incident Energy (eV)

42-Mo-94

MAT 4231

(n, n') Continuum
Cross Section

42-Mo-94
-41.74 To 314.9 %



29

42-Mo-94

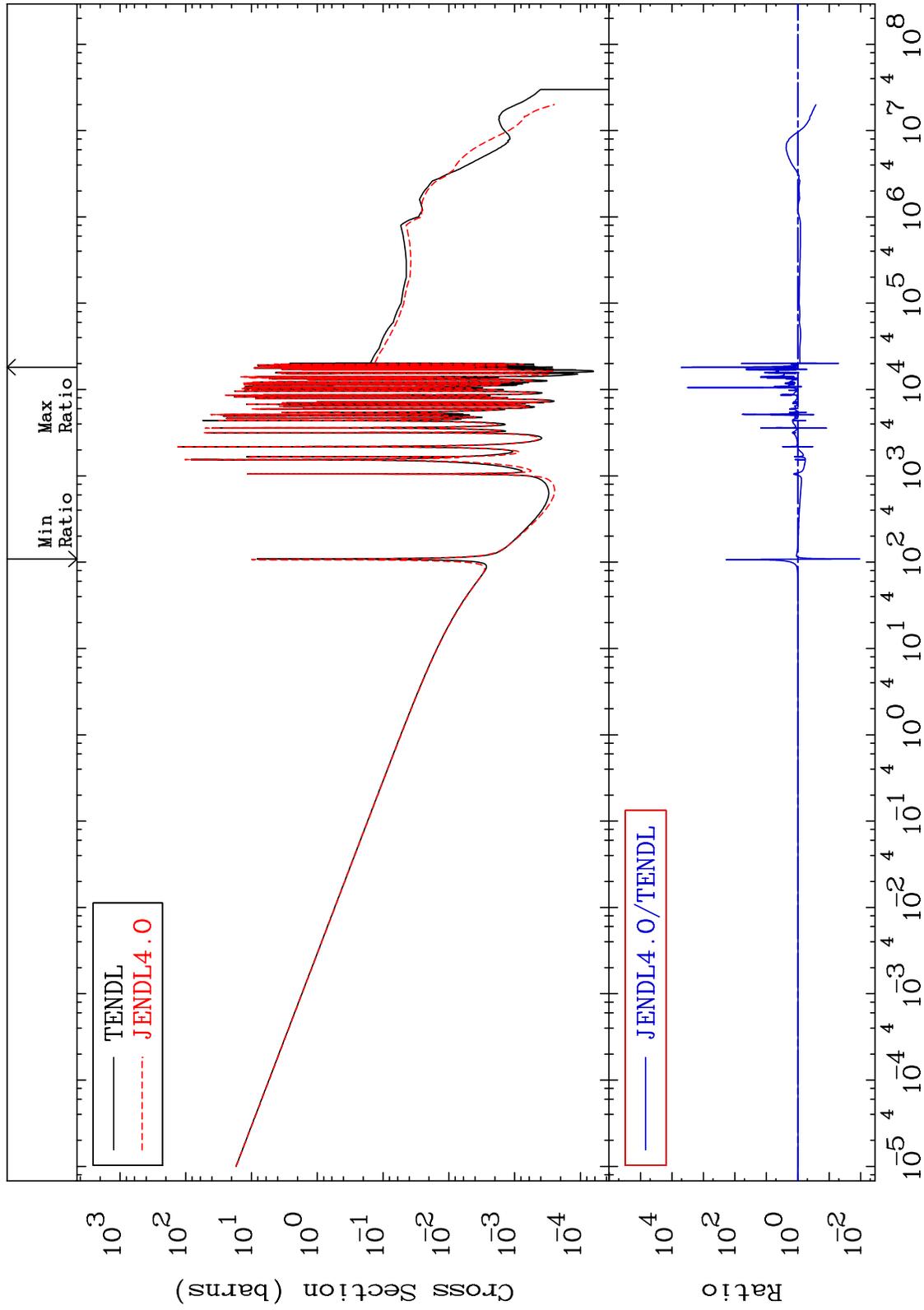
MAT 4231

(n, γ)

42-Mo-94

Cross Section

-98.93 To 9999. %



30

Incident Energy (eV)

42-Mo-94

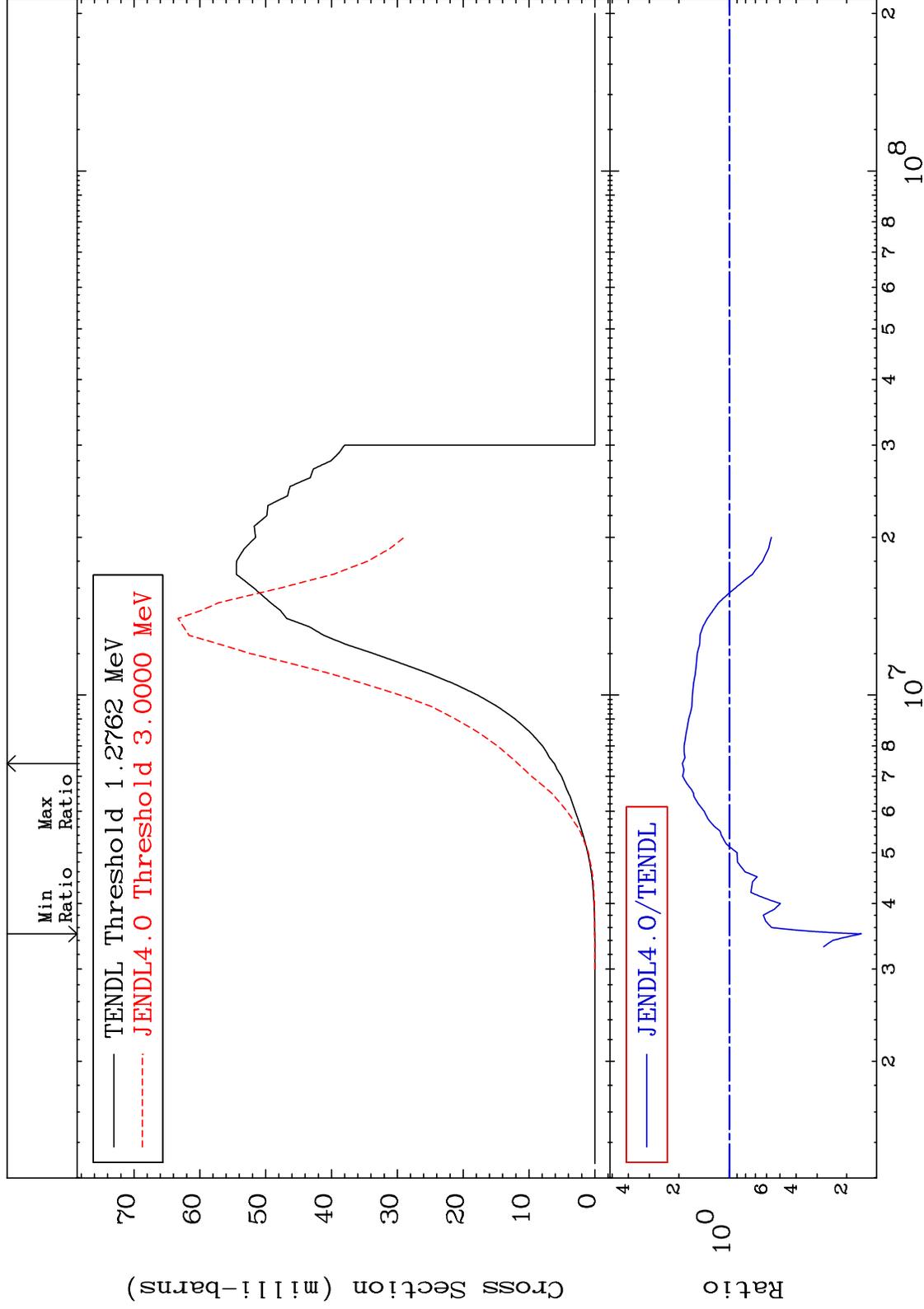
MAT 4231

(n,p)

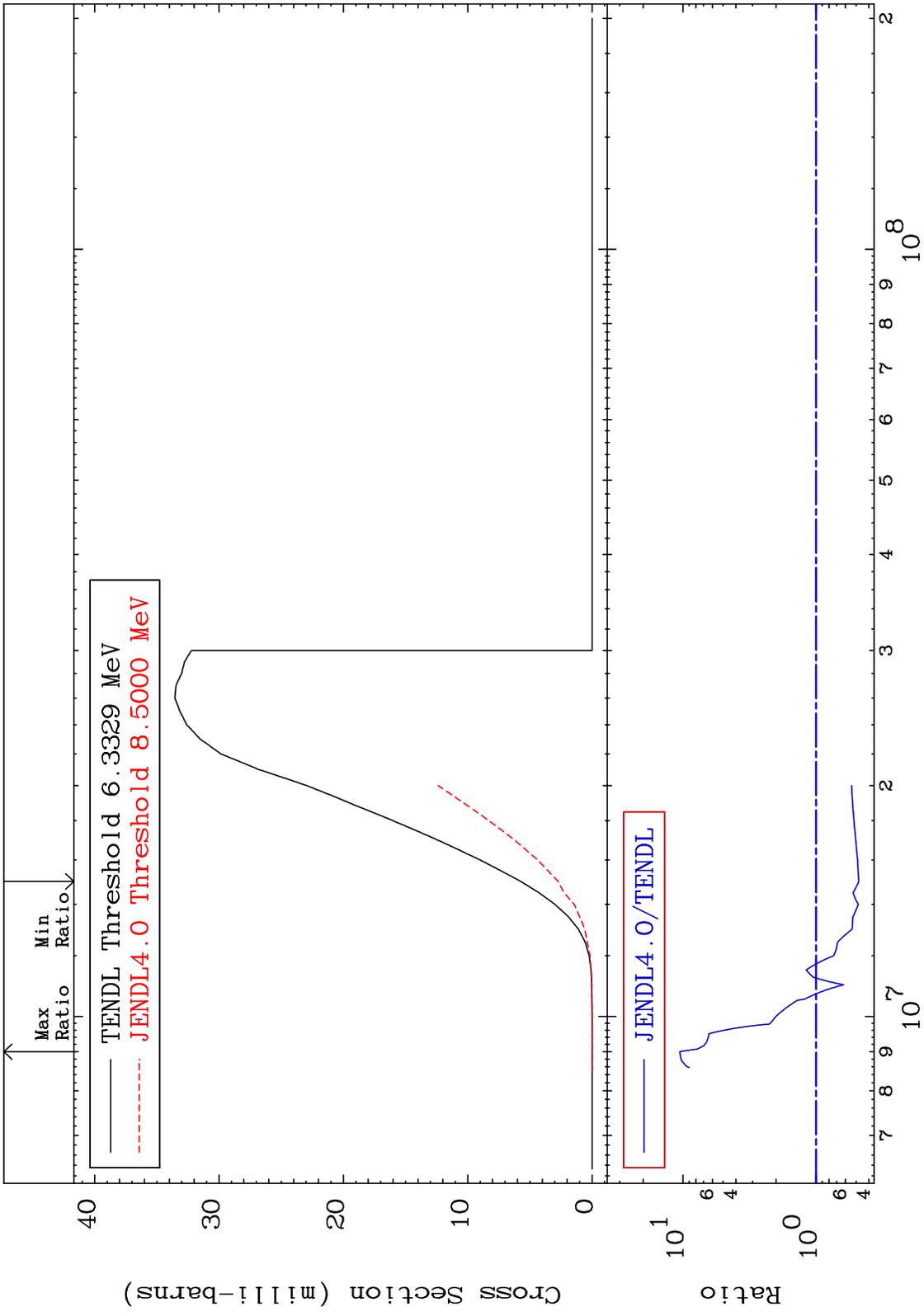
42-Mo-94

-83.64 To 90.53 %

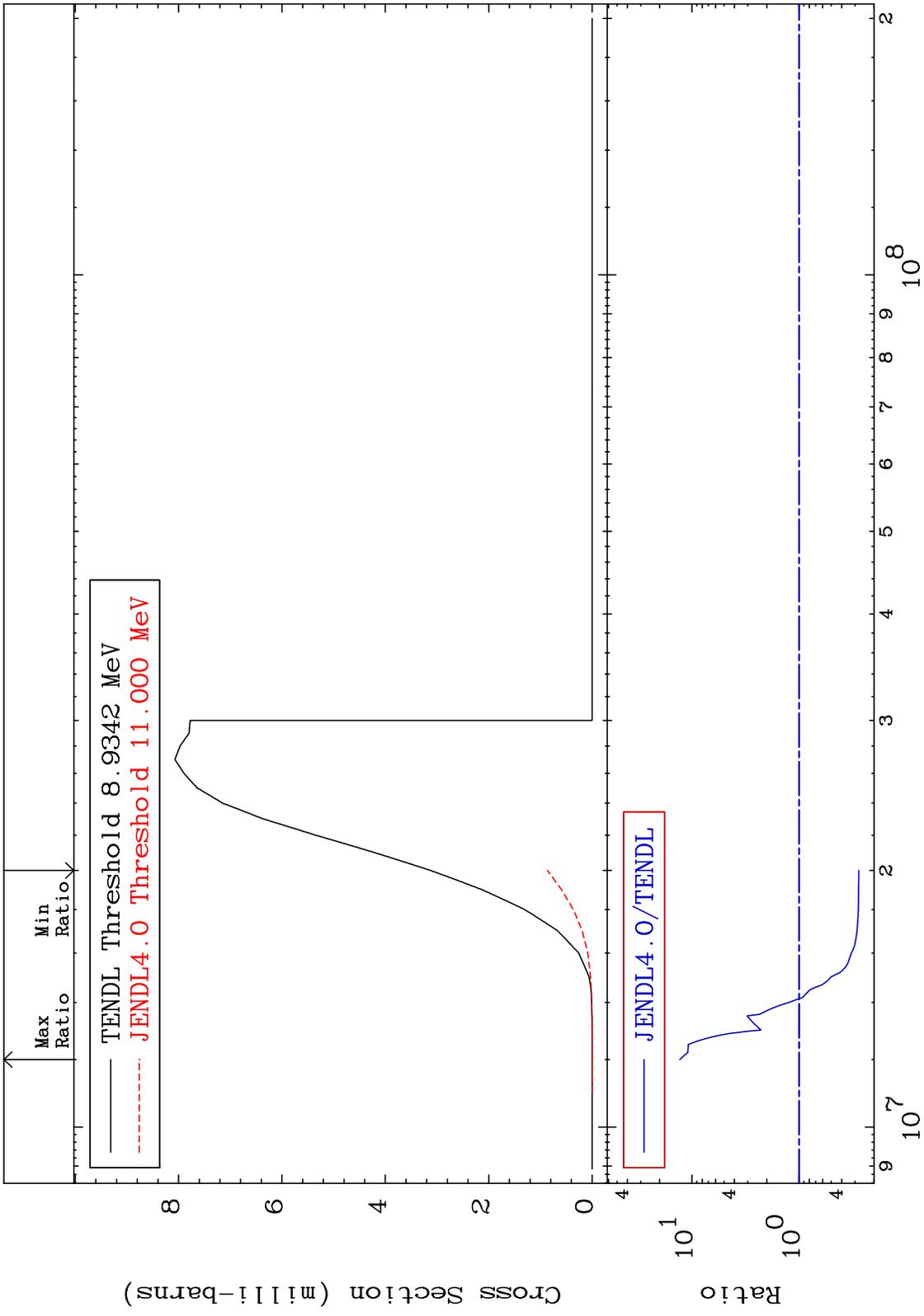
Cross Section

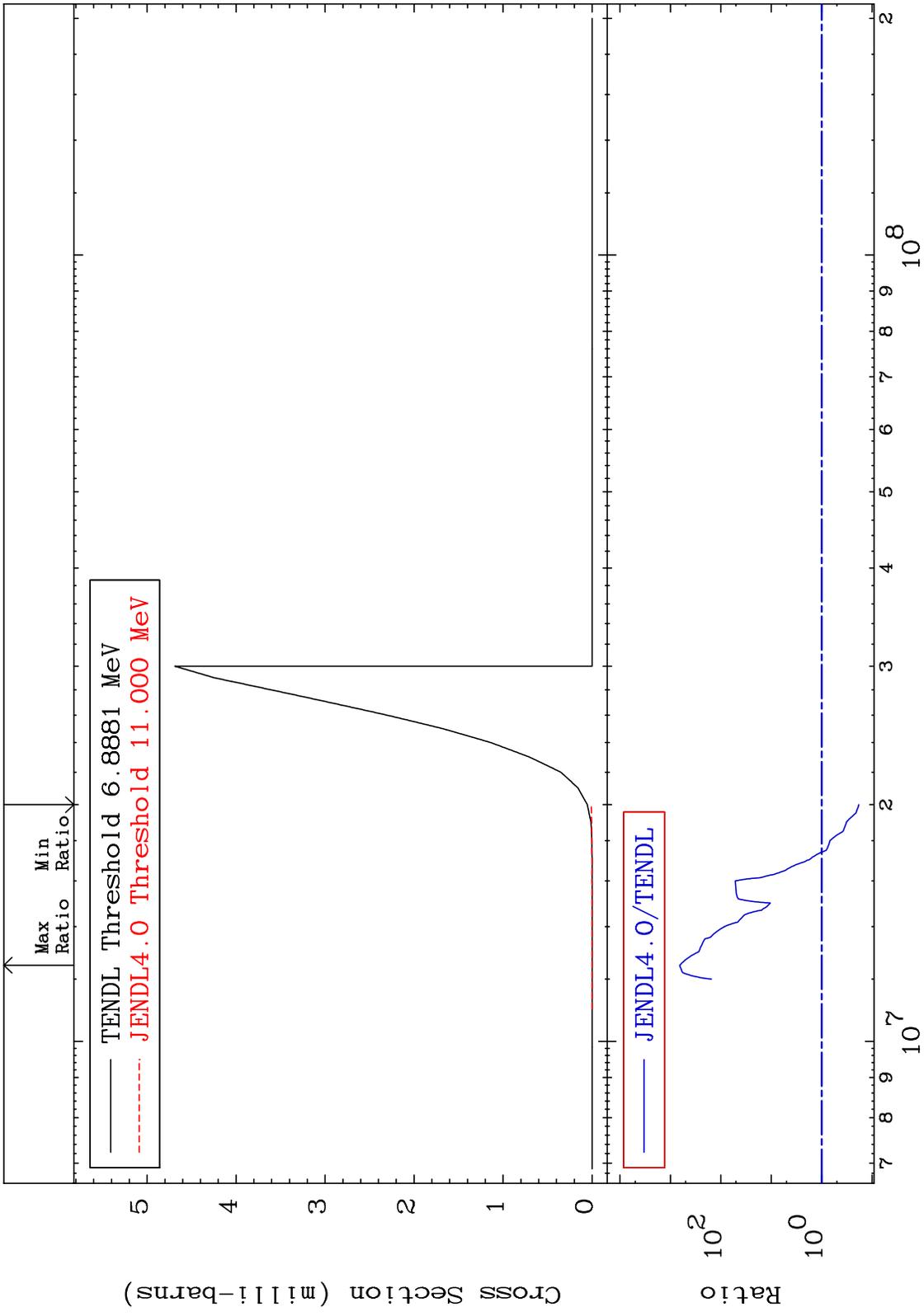


MAT 4231 (n,d) 42-Mo-94
 Cross Section -52.34 To 958.8 %



32 42-Mo-94





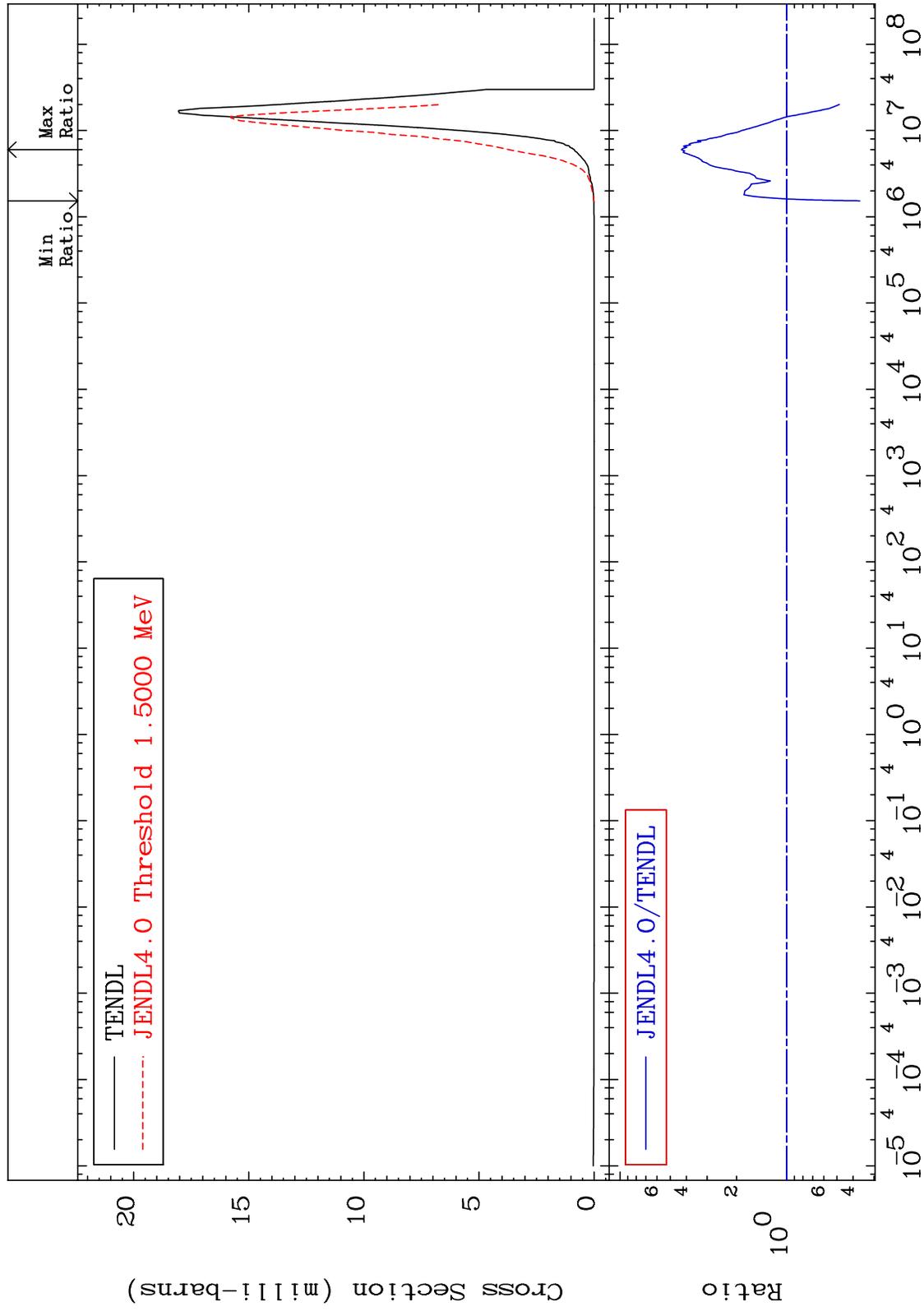
MAT 4231

(n, α)

42-Mo-94

Cross Section

-63.55 To 328.2 %



35

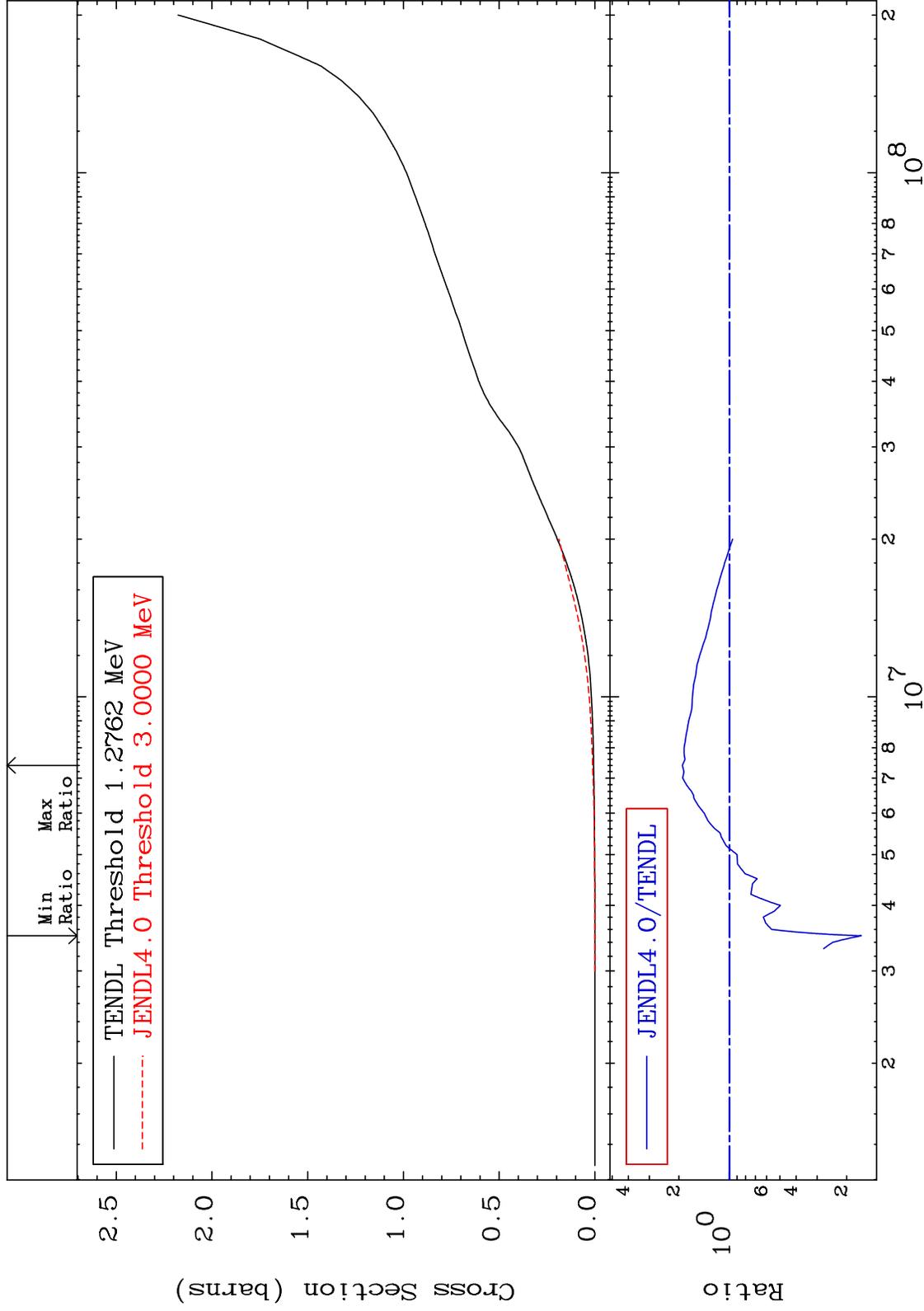
Incident Energy (eV)

42-Mo-94

MAT 4231

Hydrogen Production
Cross Section

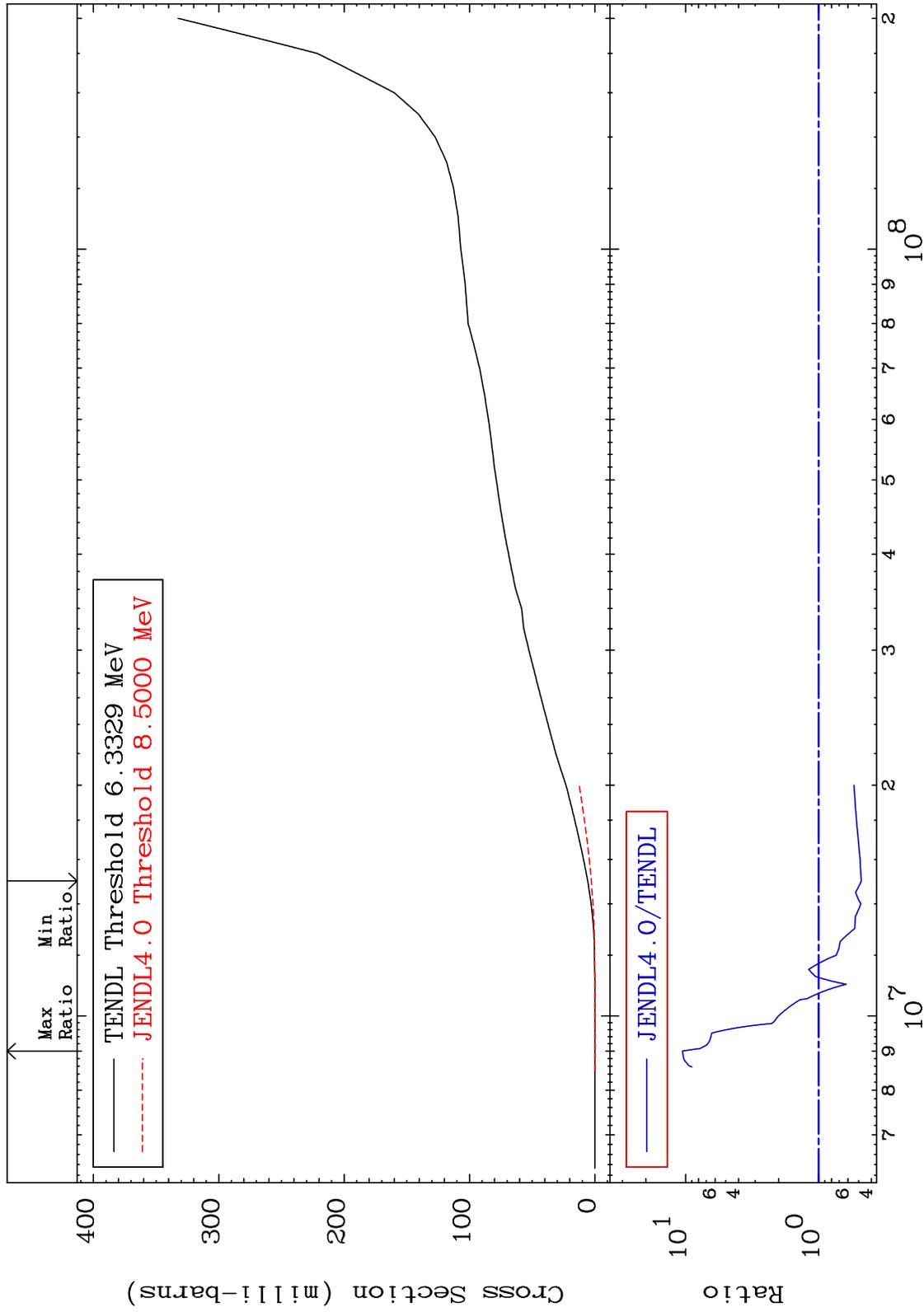
42-Mo-94
-83.64 To 90.53 %



MAT 4231

Deuterium Production
Cross Section

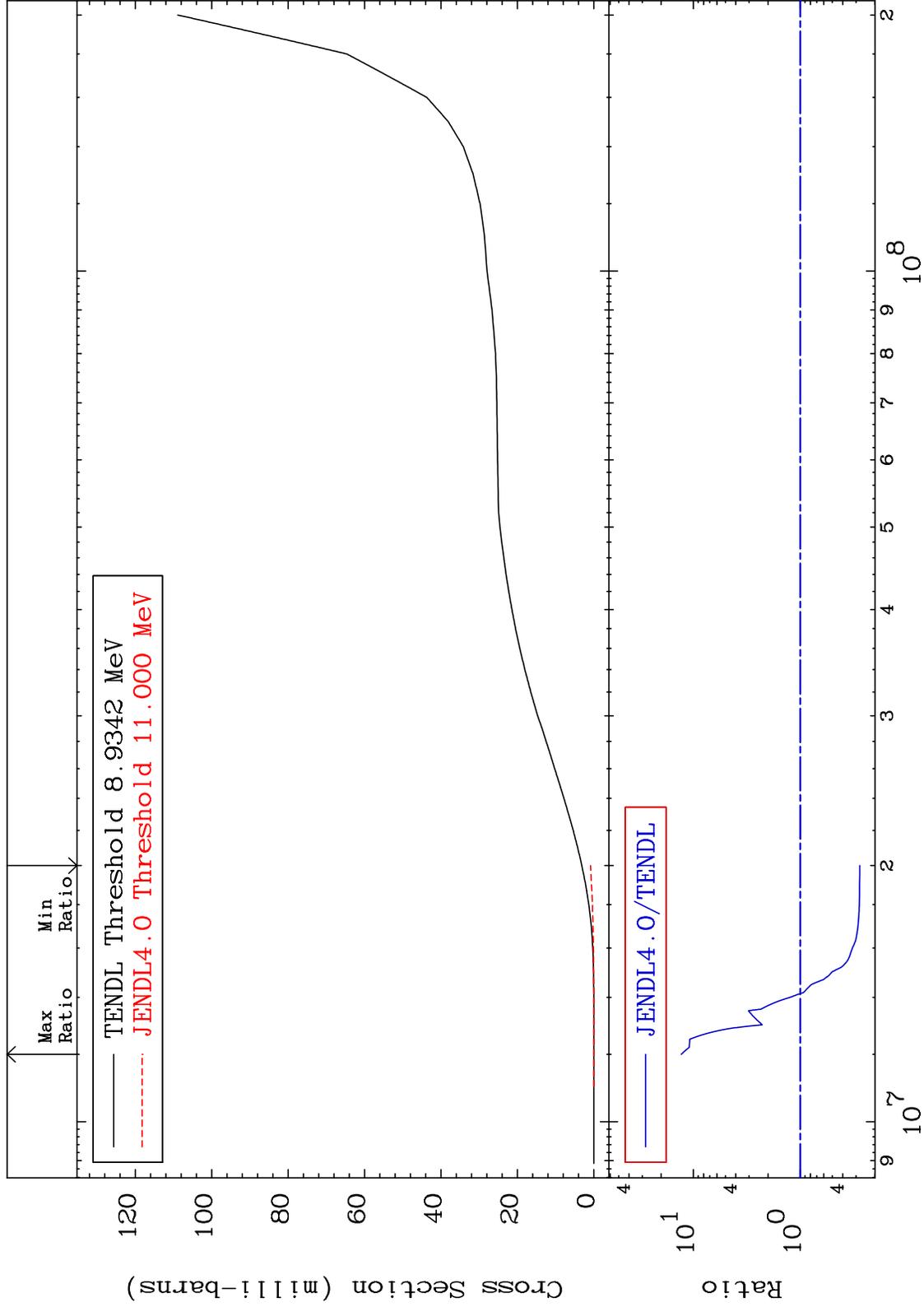
42-Mo-94
-52.34 To 958.8 %



MAT 4231

Tritium Production Cross Section

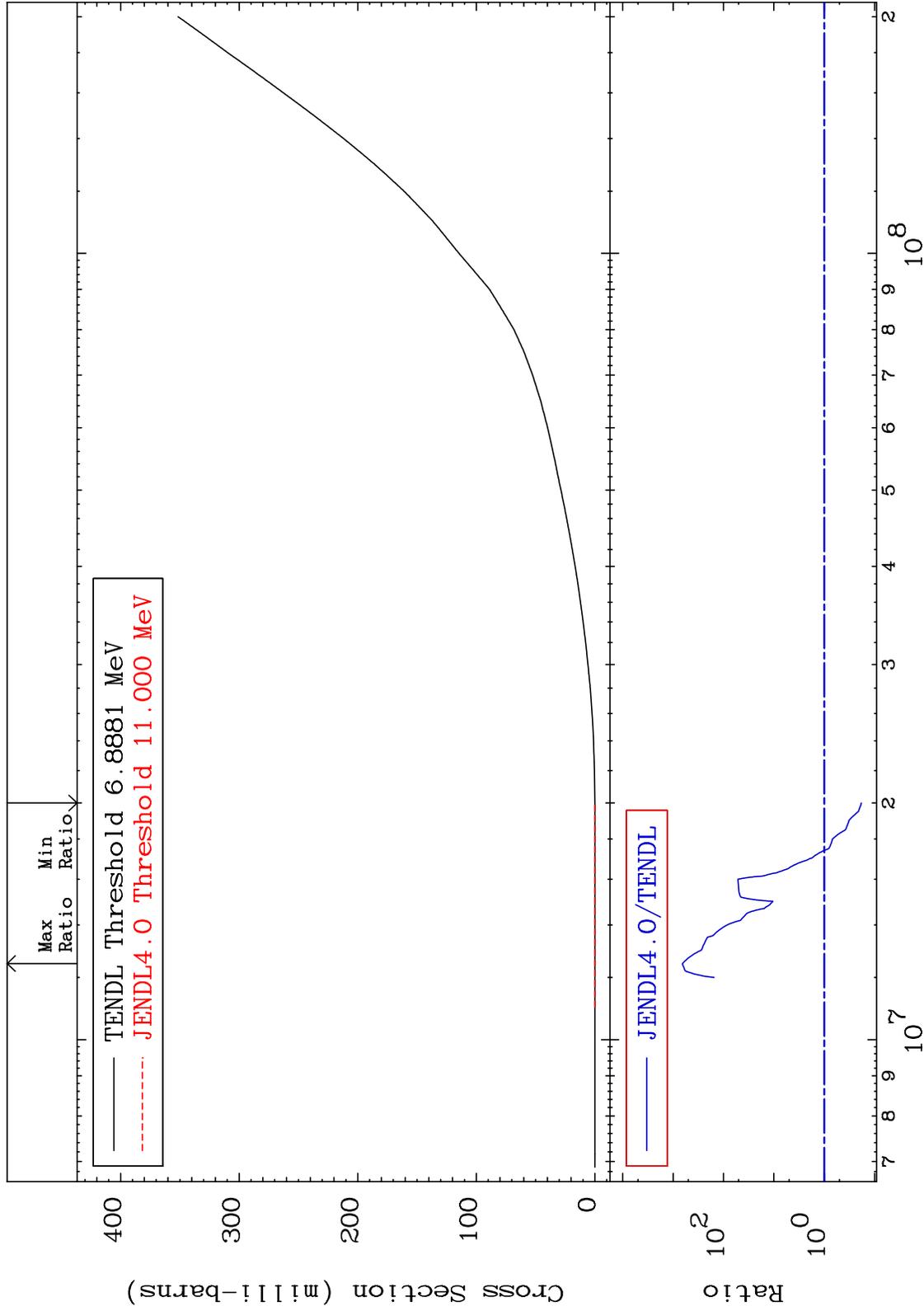
42-Mo-94
-72.37 To 1197. %



MAT 4231

He-3 Production
Cross Section

42-Mo-94
-81.64 To 9999. %



39

Incident Energy (eV)

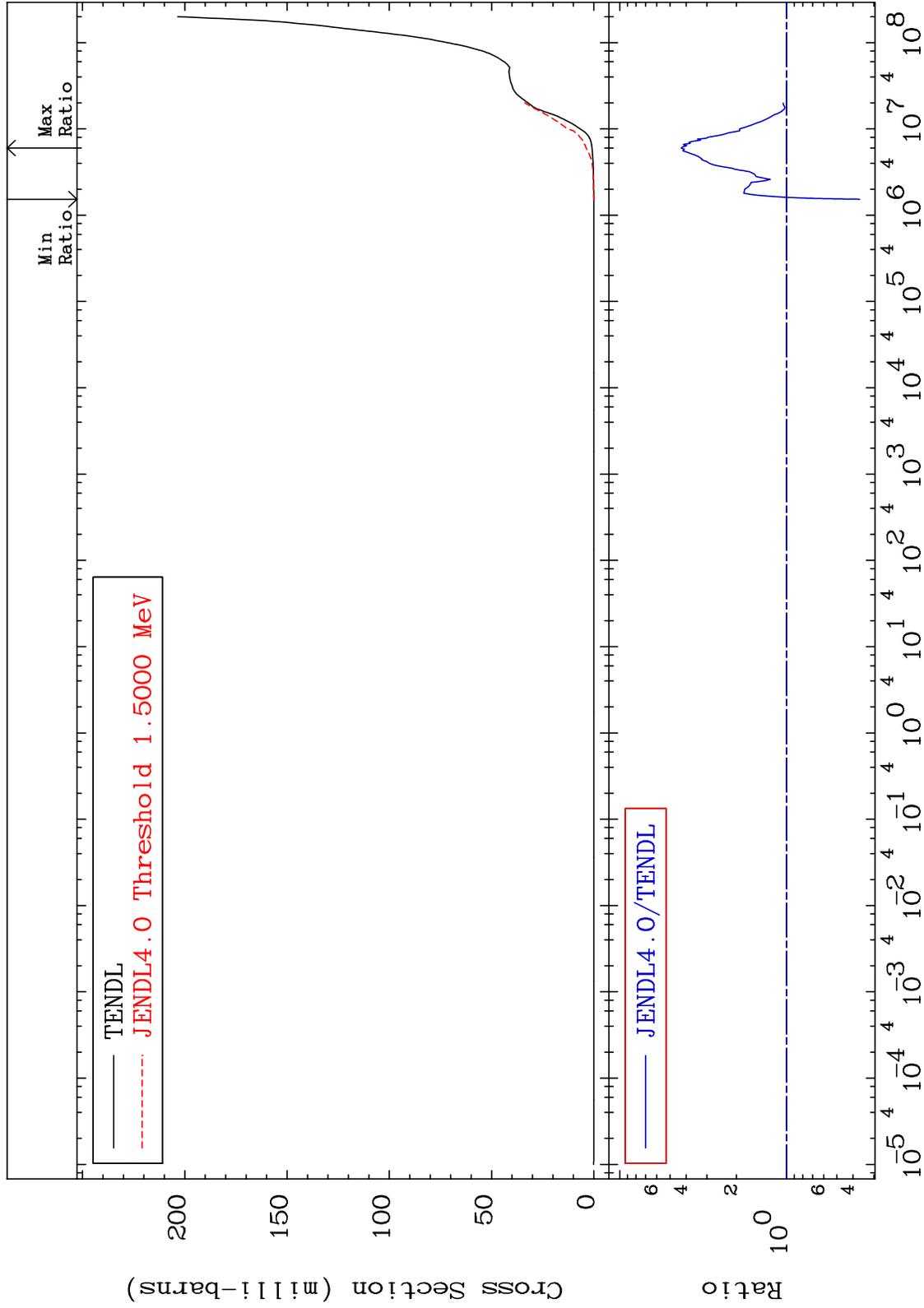
42-Mo-94

MAT 4231

He-4 Production
Cross Section

42-Mo-94

-63.55 To 328.2 %

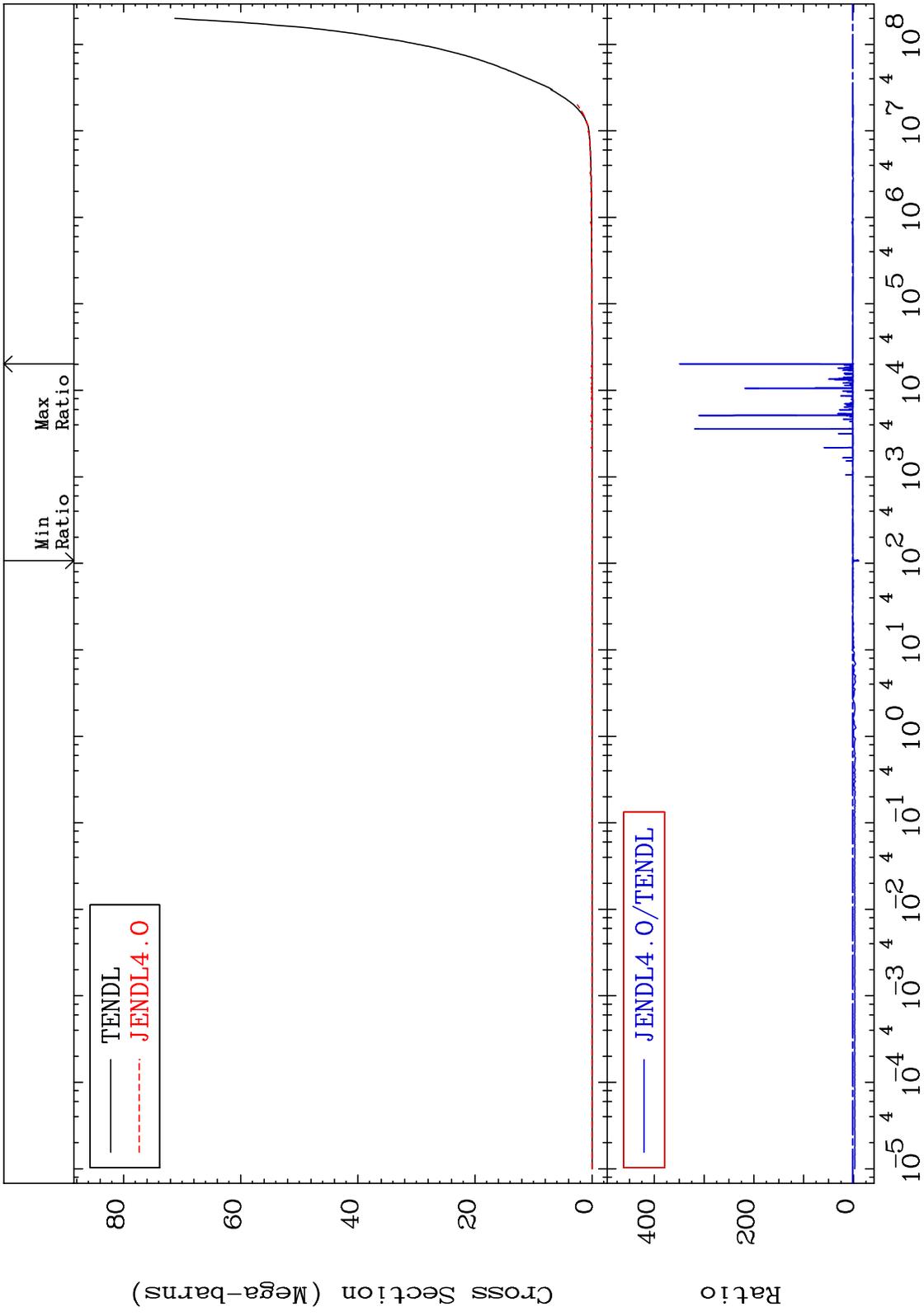


40

Incident Energy (eV)

42-Mo-94

MAT 4231 Kerma total (eV-barns) 42-Mo-94
 Cross Section -1178. To 9999. %

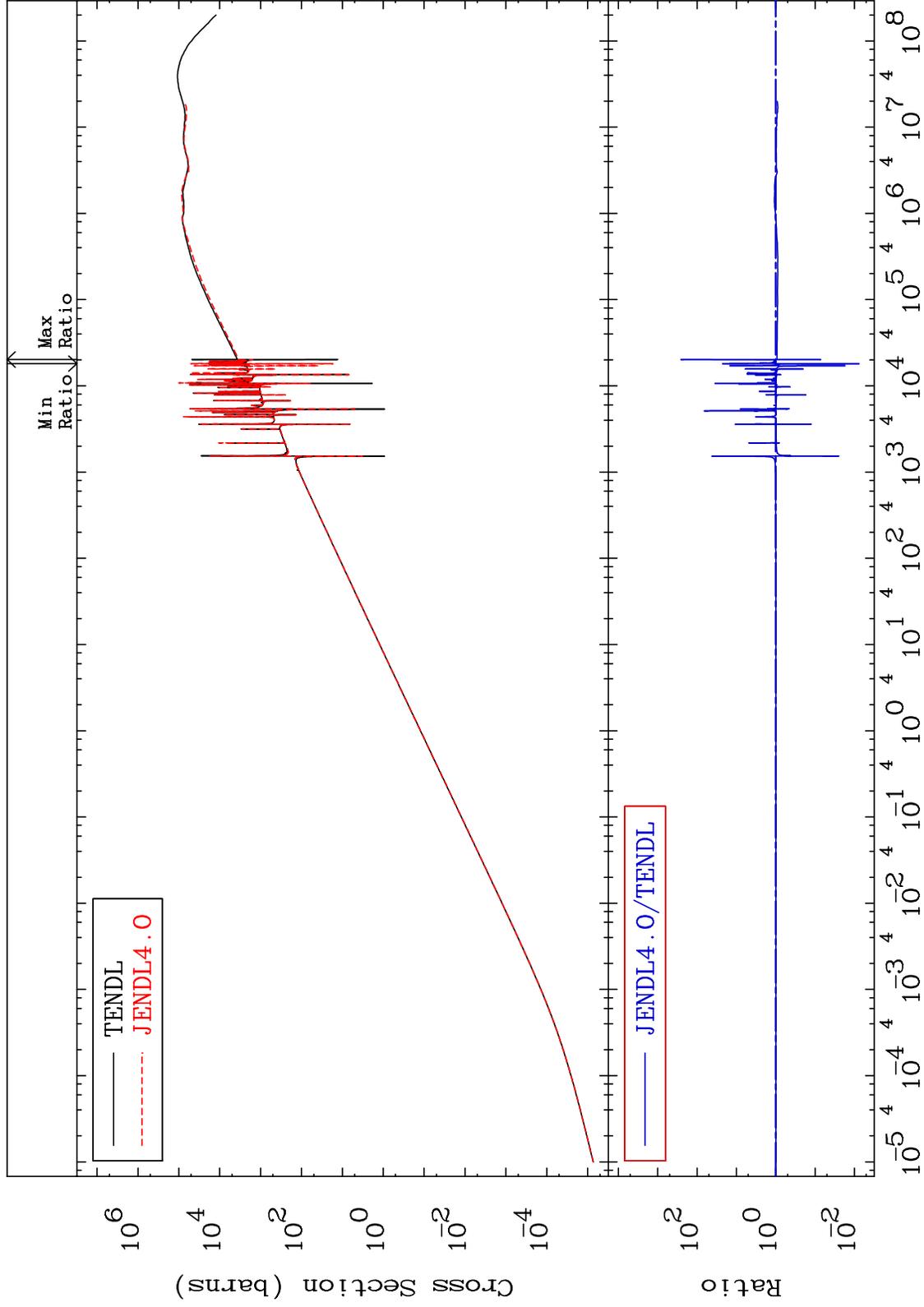


41 42-Mo-94

MAT 4231

Kerma elastic
Cross Section

42-Mo-94
-99.24 To 9999. %

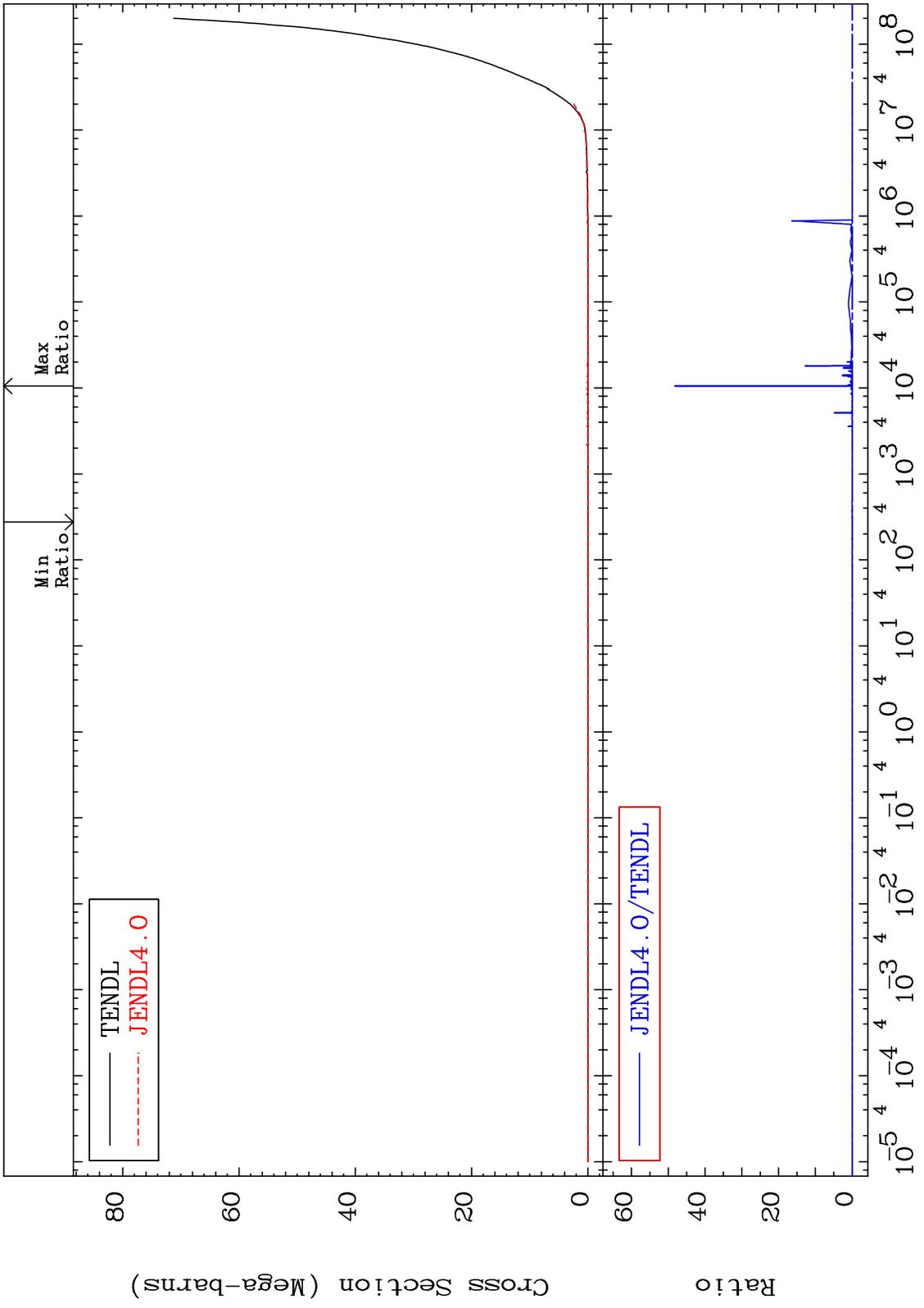


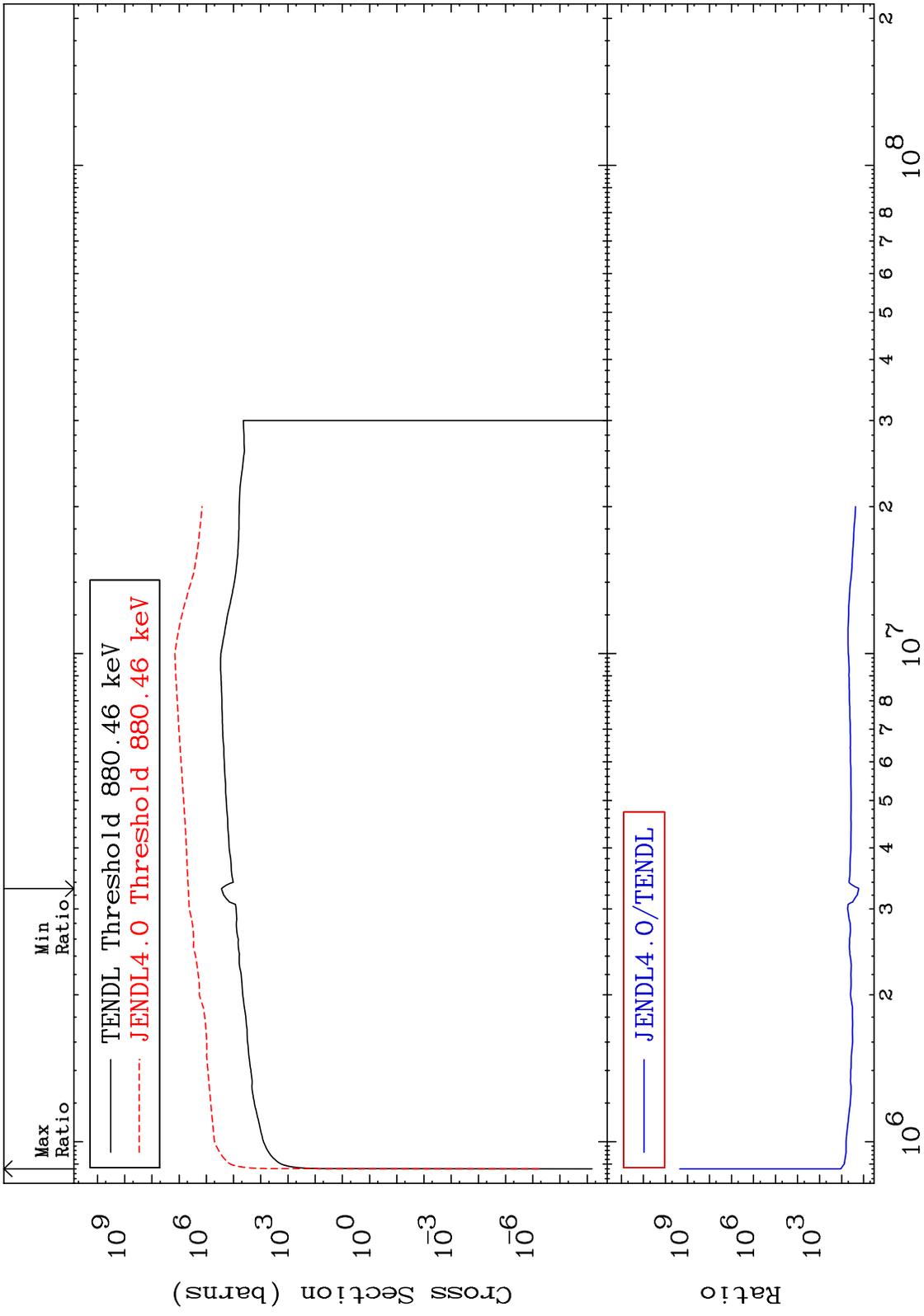
42

Incident Energy (eV)

42-Mo-94

MAT 4231 Kerma non-elastic (all but mt2) 42-Mo-94
Cross Section -9999. To 9999. %

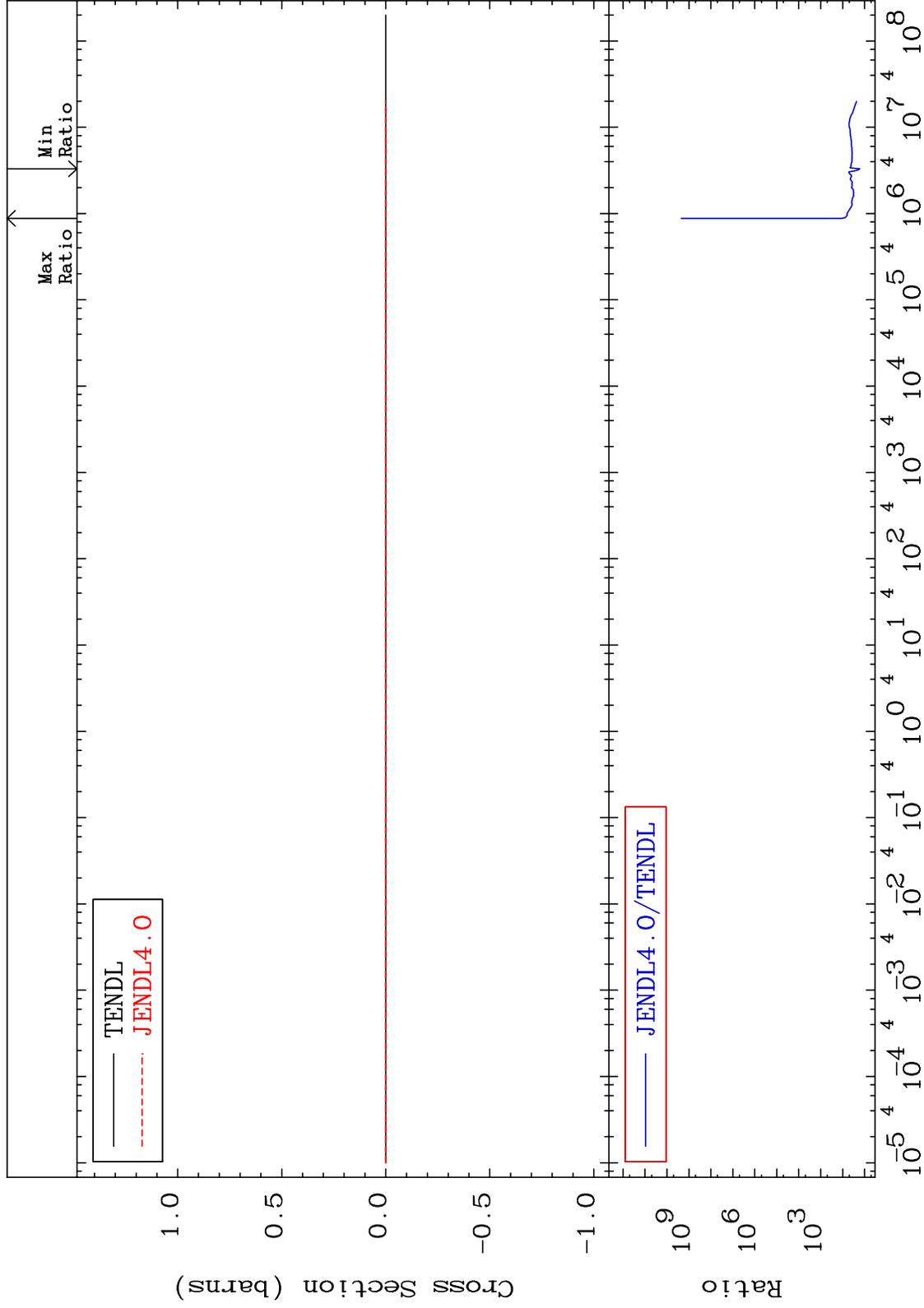




MAT 4231

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

42-Mo-94
1552. To 9999. %



45

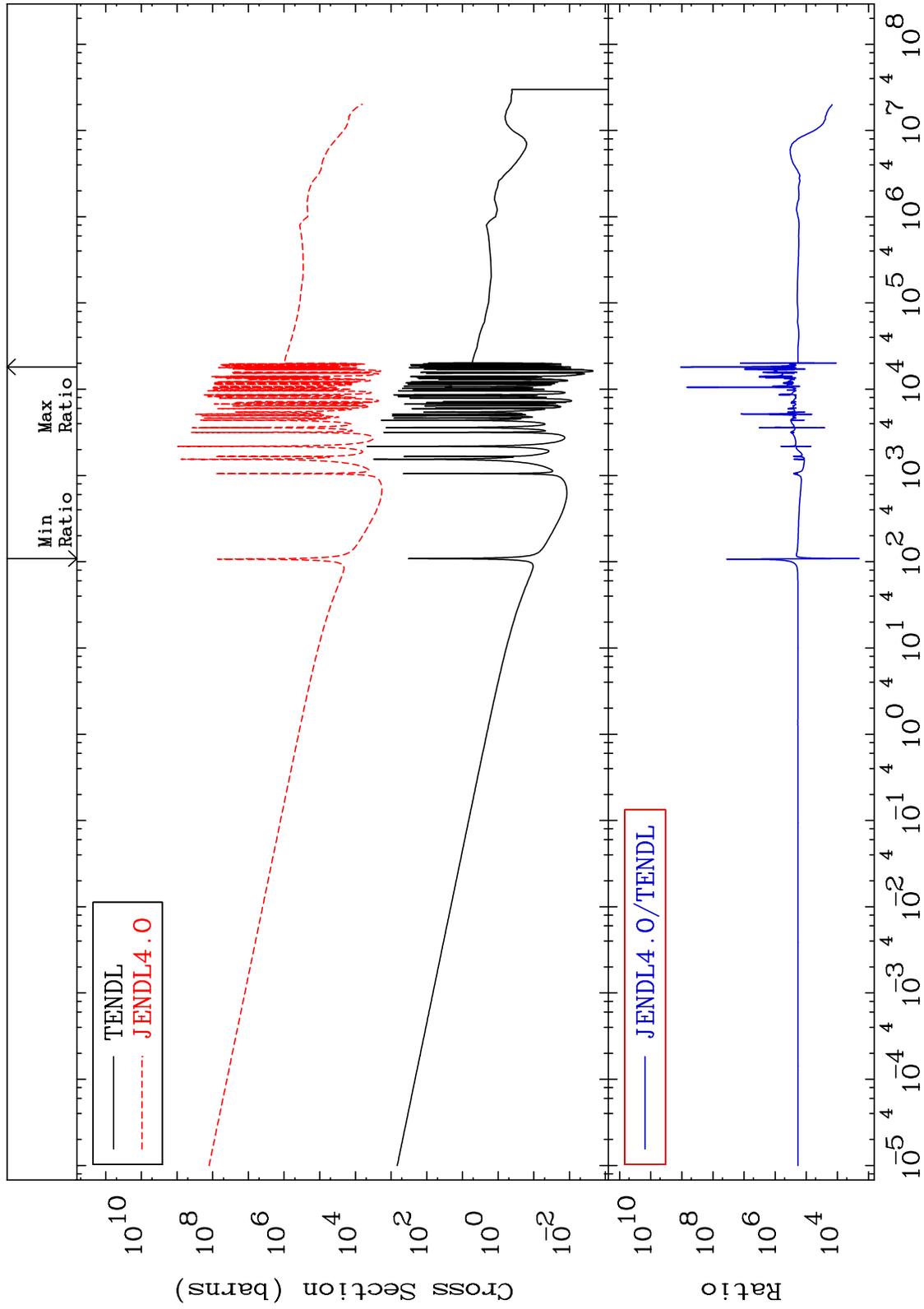
Incident Energy (eV)

42-Mo-94

MAT 4231

Kerma capture (mt102)
Cross Section

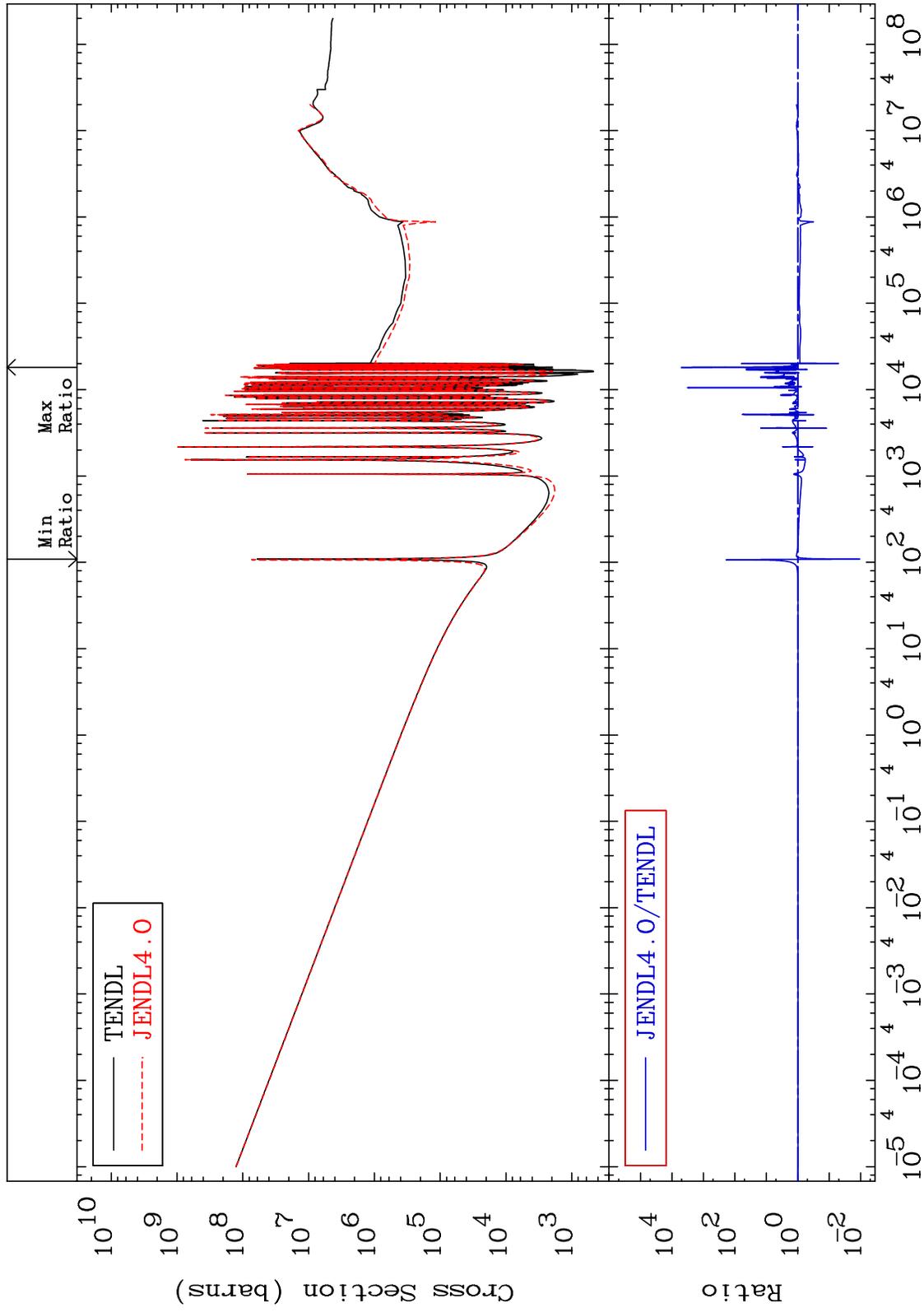
42-Mo-94
9999. To 9999. %



MAT 4231

Total photon (eV-barns)
Cross Section

42-Mo-94
-98.93 To 9999. %

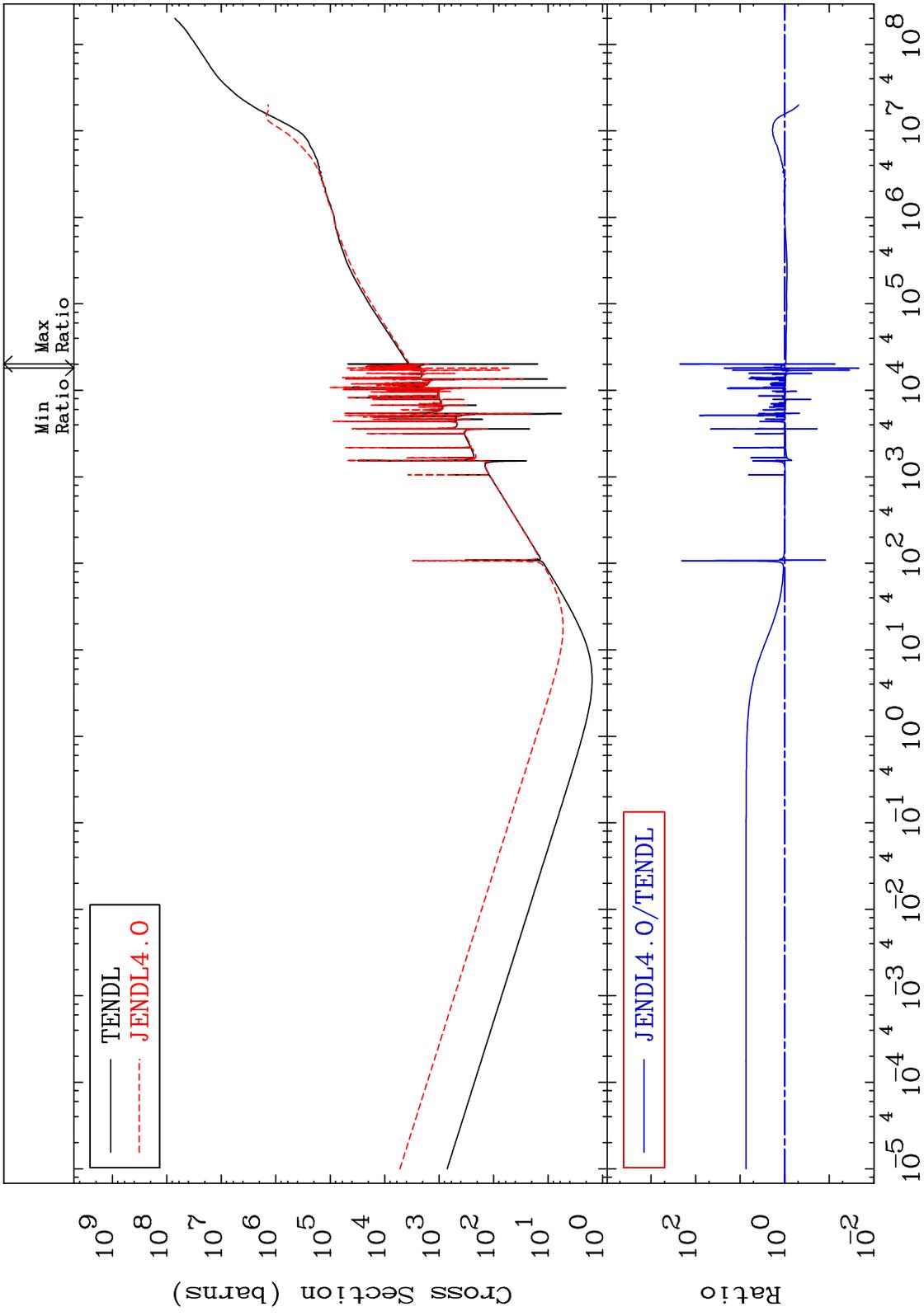


47

Incident Energy (eV)

42-Mo-94

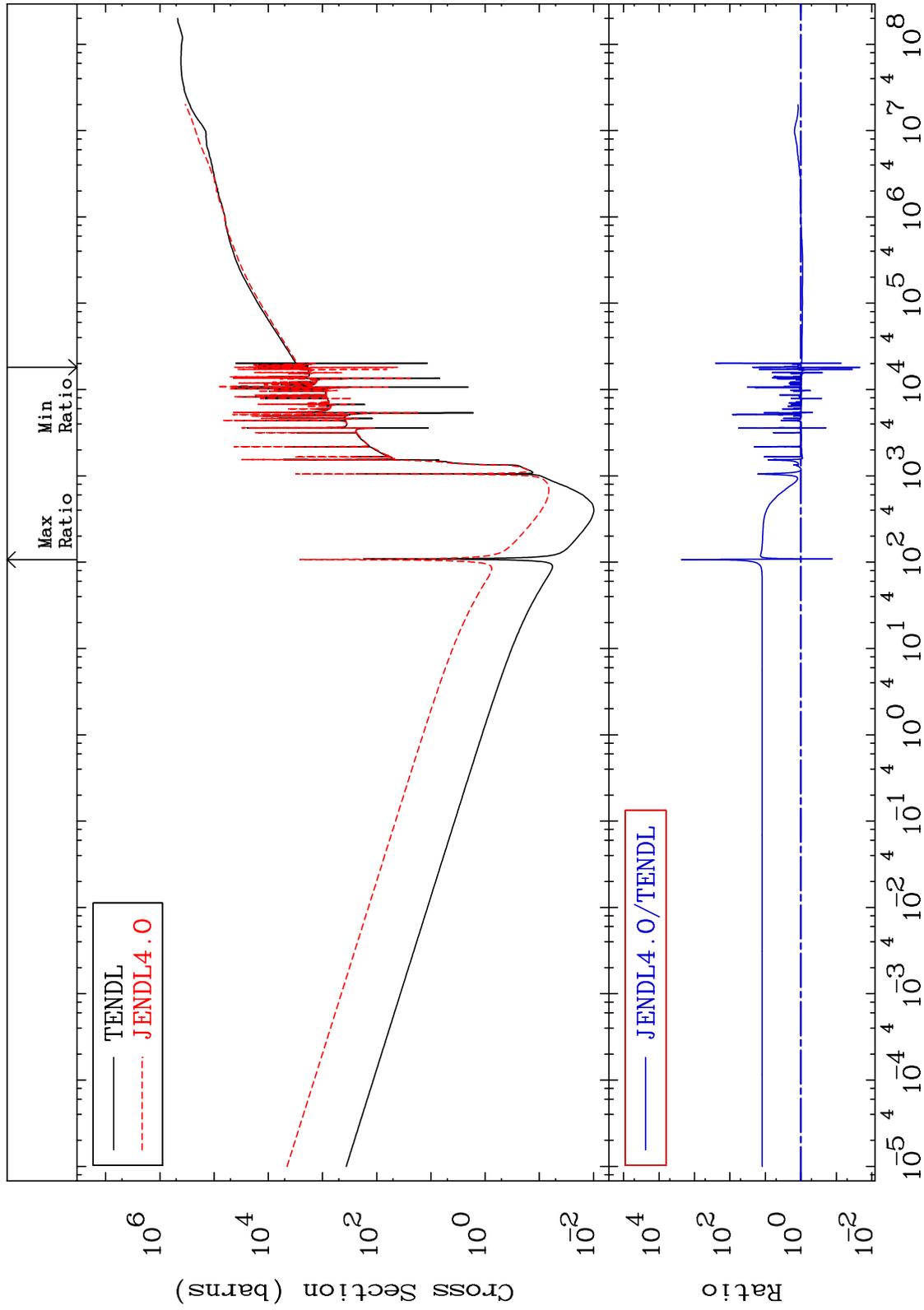
MAT 4231 Total kinematic kerma (high limit) 42-Mo-94
Cross Section -97.84 To 9999. %



MAT 4231

Dpa total (eV-barns)
Cross Section

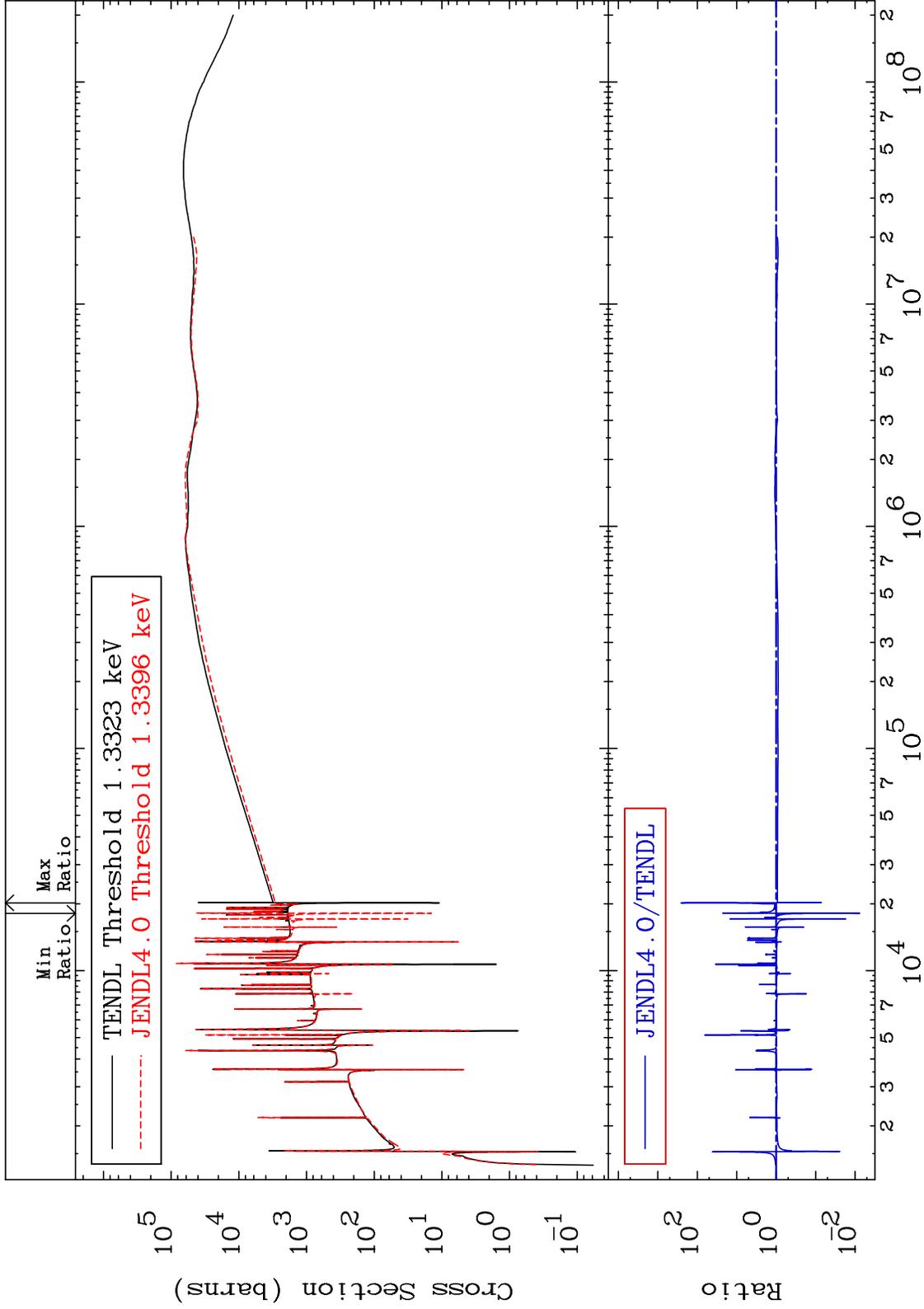
42-Mo-94
-97.82 To 9999. %



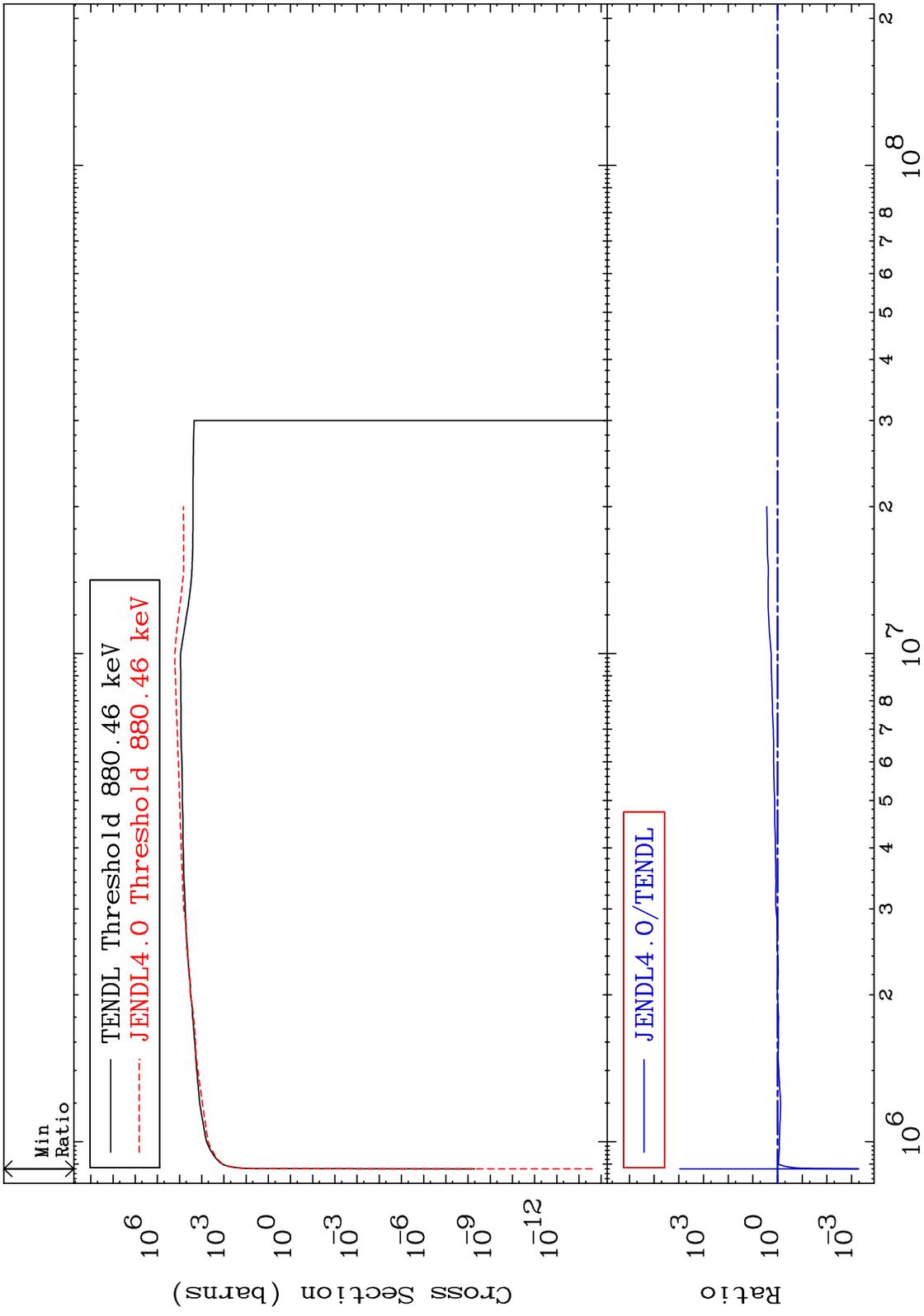
MAT 4231

Dpa elastic (mt2)
Cross Section

42-Mo-94
-99.24 To 9999. %



MAT 4231 Dpa inelastic (mt51-91) 42-Mo-94
Cross Section -99.95 To 9999. %



MAT 4231

Dpa disappearance (mt102 -120)
Cross Section

42-Mo-94
-86.70 To 9999. %

