

Program Complot
(Version 2021-1)

by

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U.S.A.

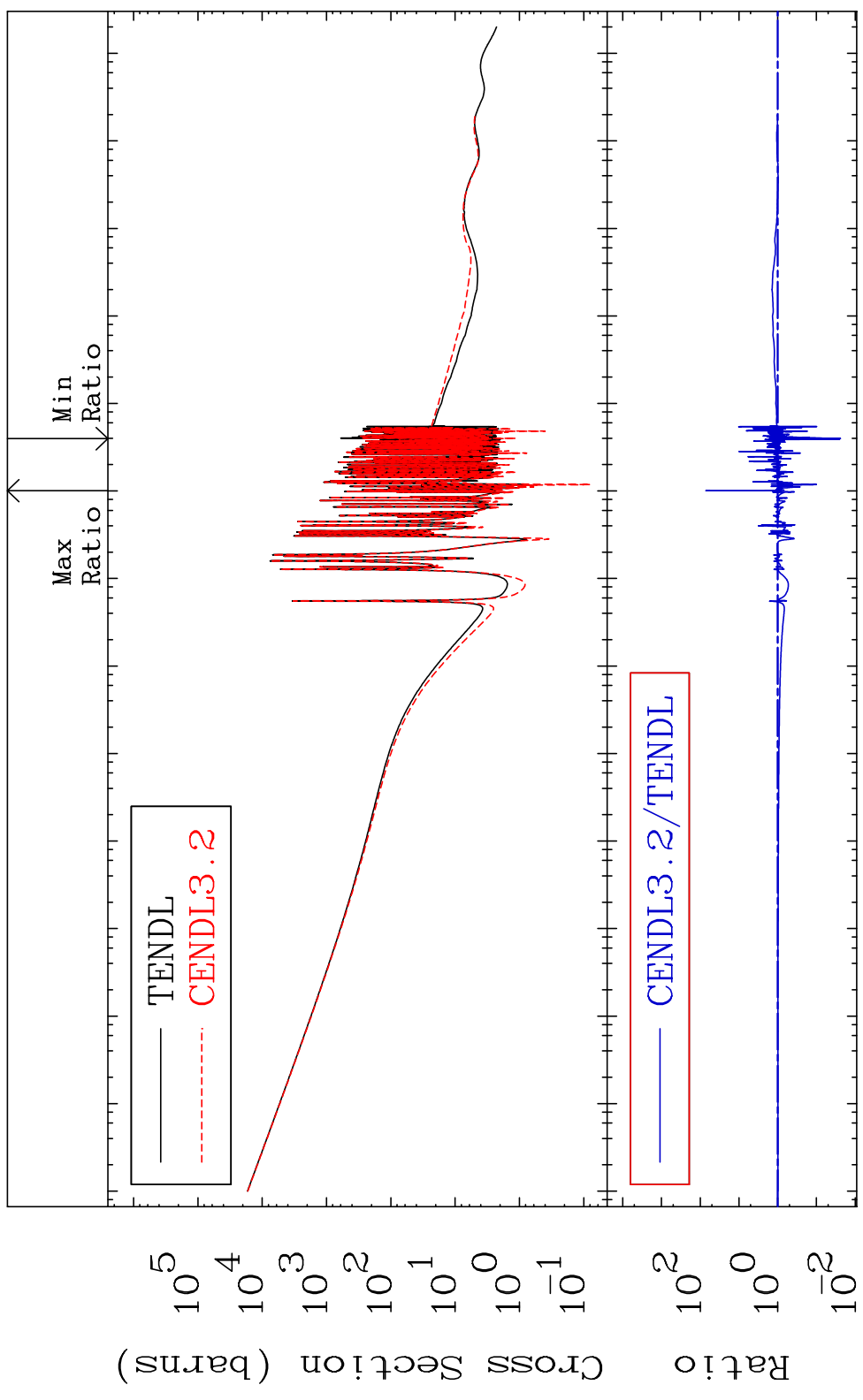
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 6028

Total Cross Section
60-Nd-143
-97.59 To 7113. %



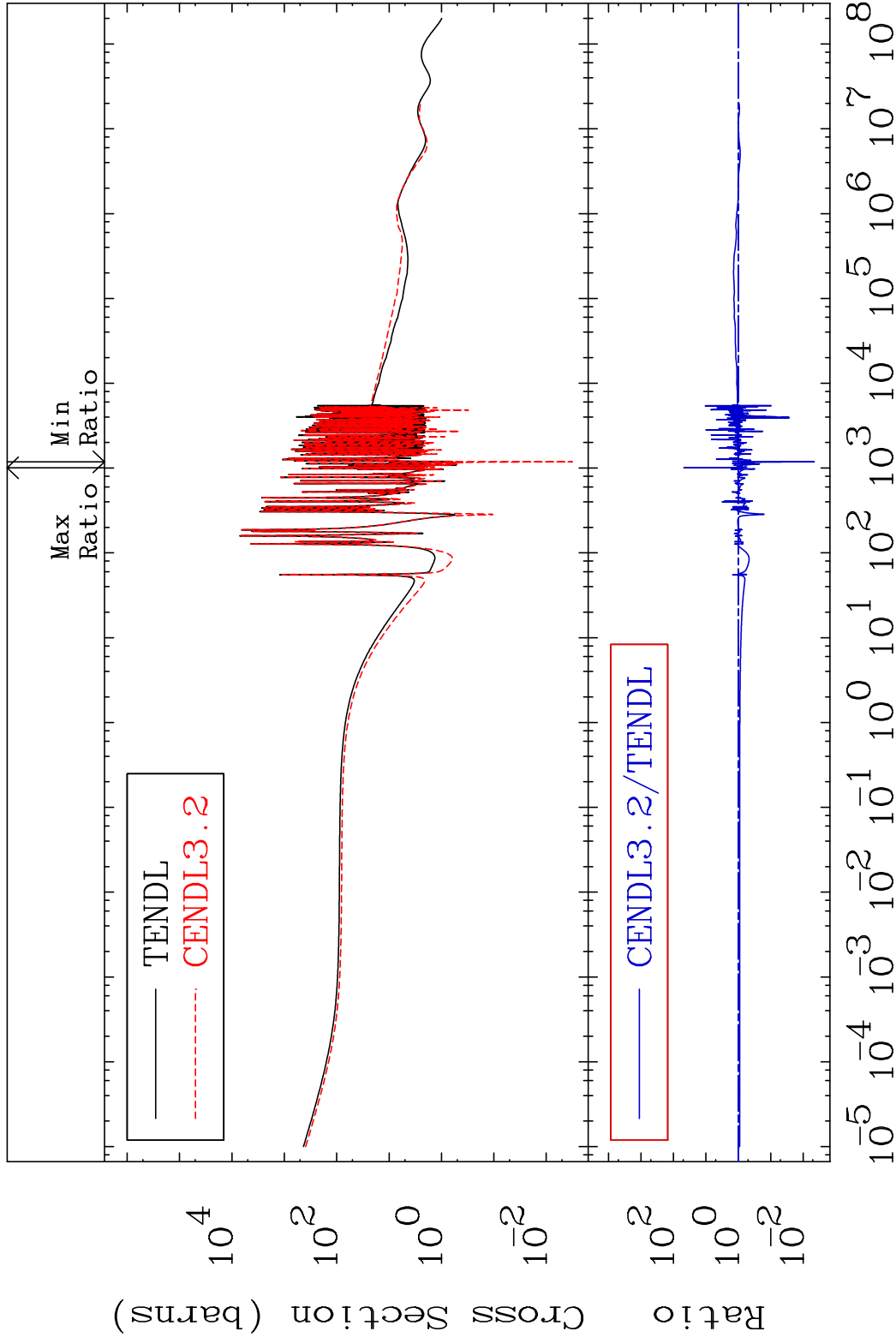
1 Incident Energy (eV) 60-Nd-143

MAT 6028

Elastic

60-Nd-143

Cross Section -99.54 To 4728. %

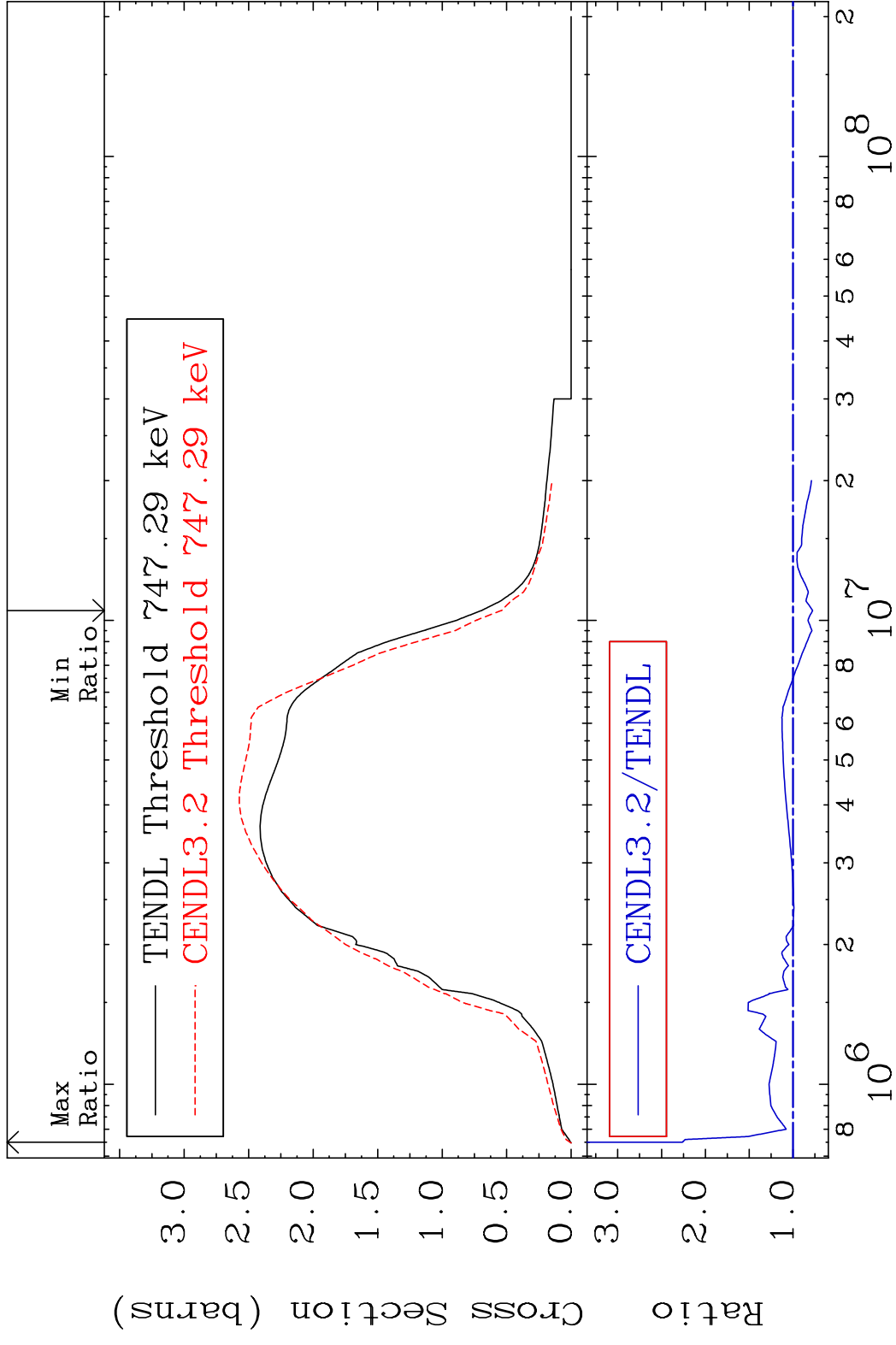


2

Incident Energy (eV)

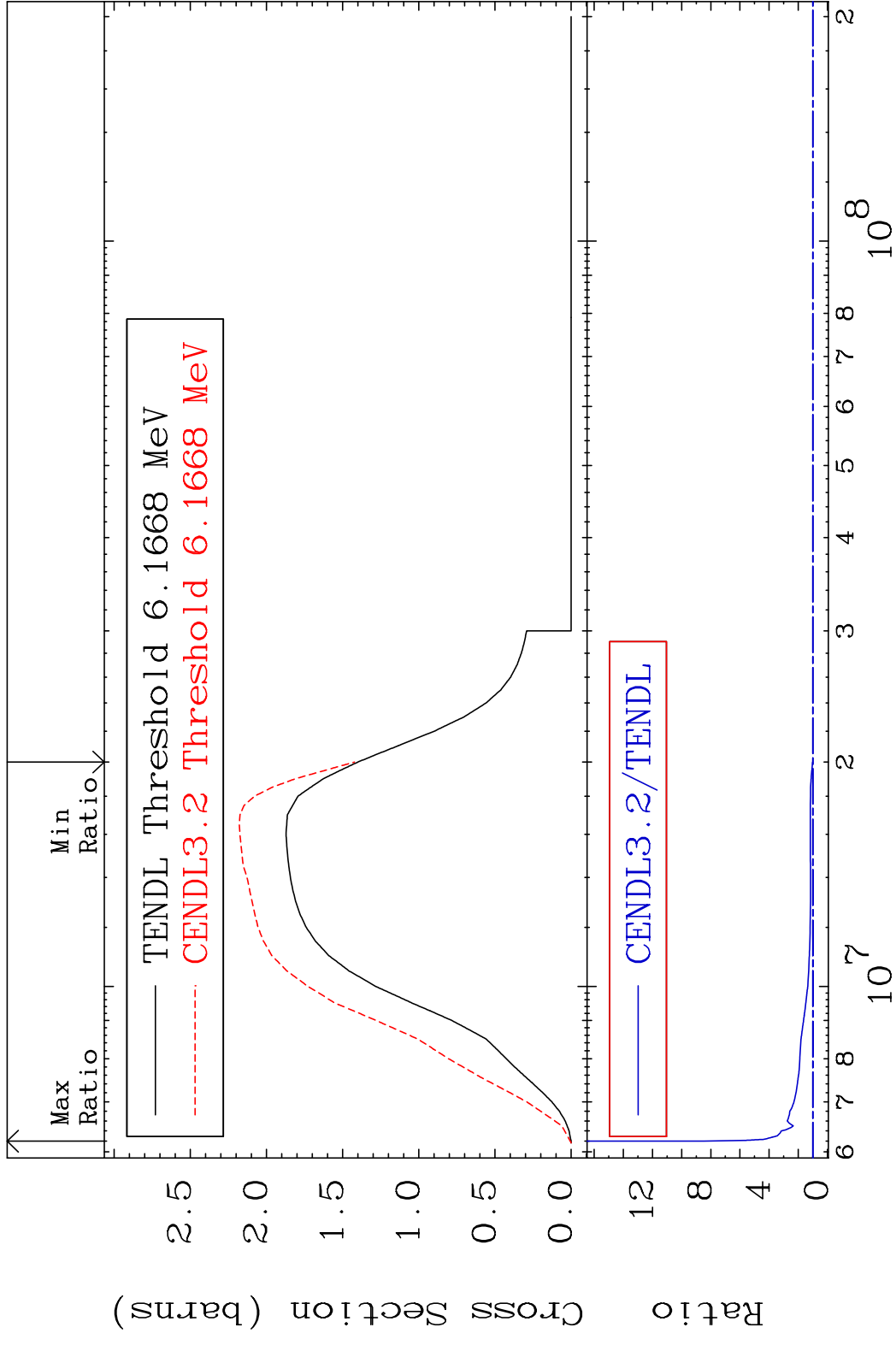
60-Nd-143

MAT 6028 Inelastic 60-Nd-143
 Cross Section -22.24 To 126.3 %



3 Incident Energy (eV) 60-Nd-143

MAT 6028 (n,2n) 60-Nd-143
 Cross Section 1.541 To 895.2 %



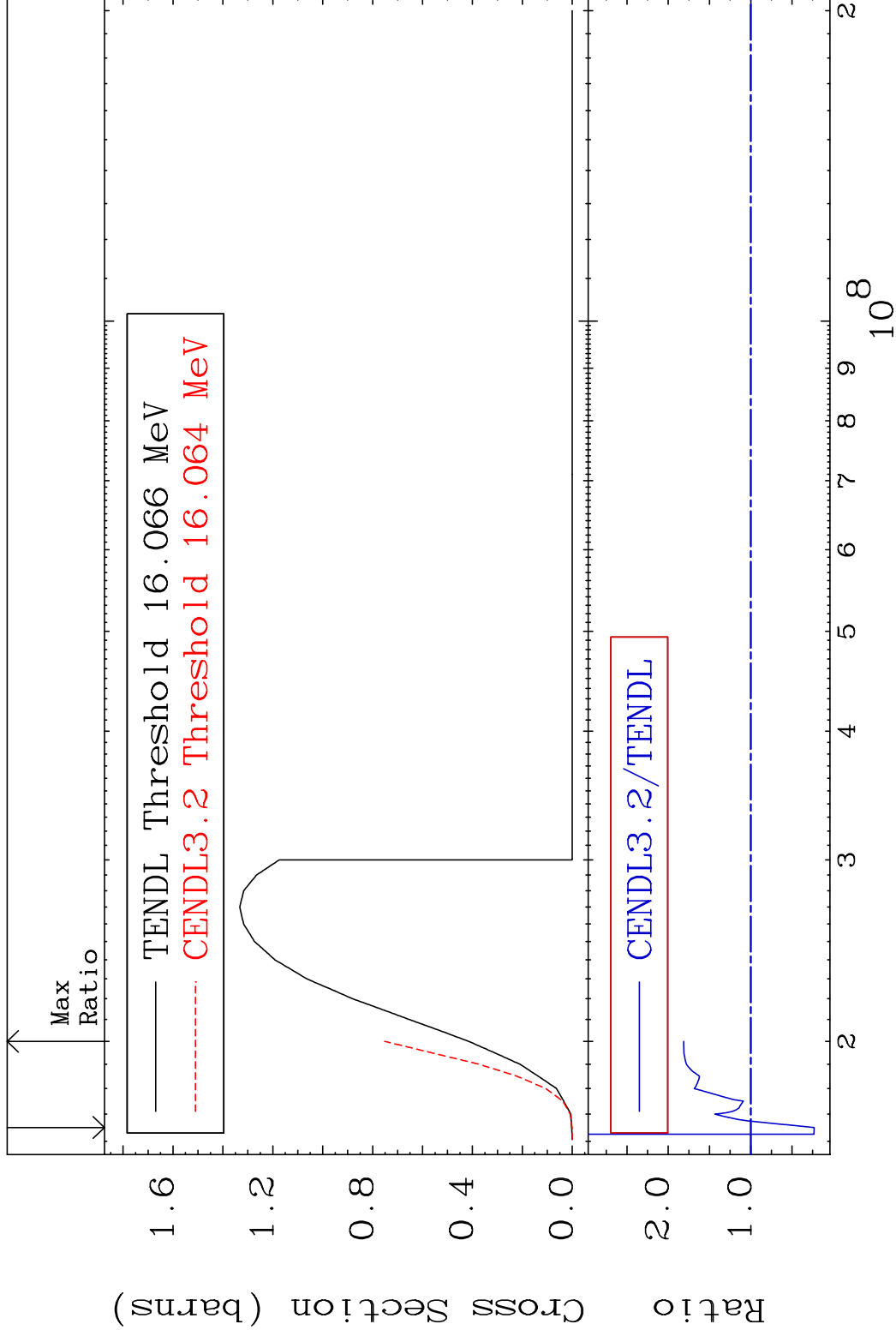
4 Incident Energy (eV) 60-Nd-143

MAT 6028

(n,3n)

60-Nd-143

Cross Section -76.75 To 81.28 %



5

Incident Energy (eV)

60-Nd-143

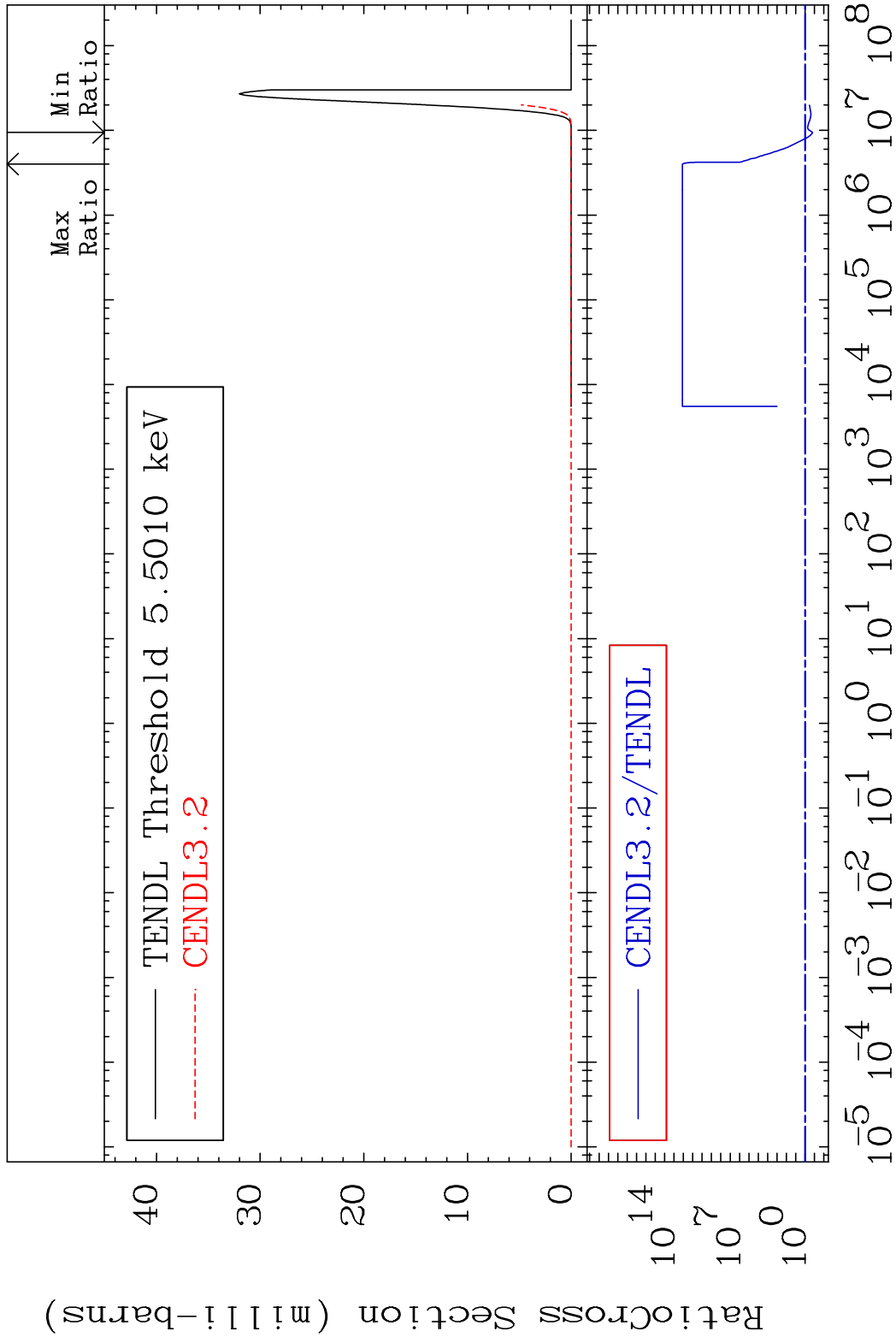
MAT 6028

(n, n') α

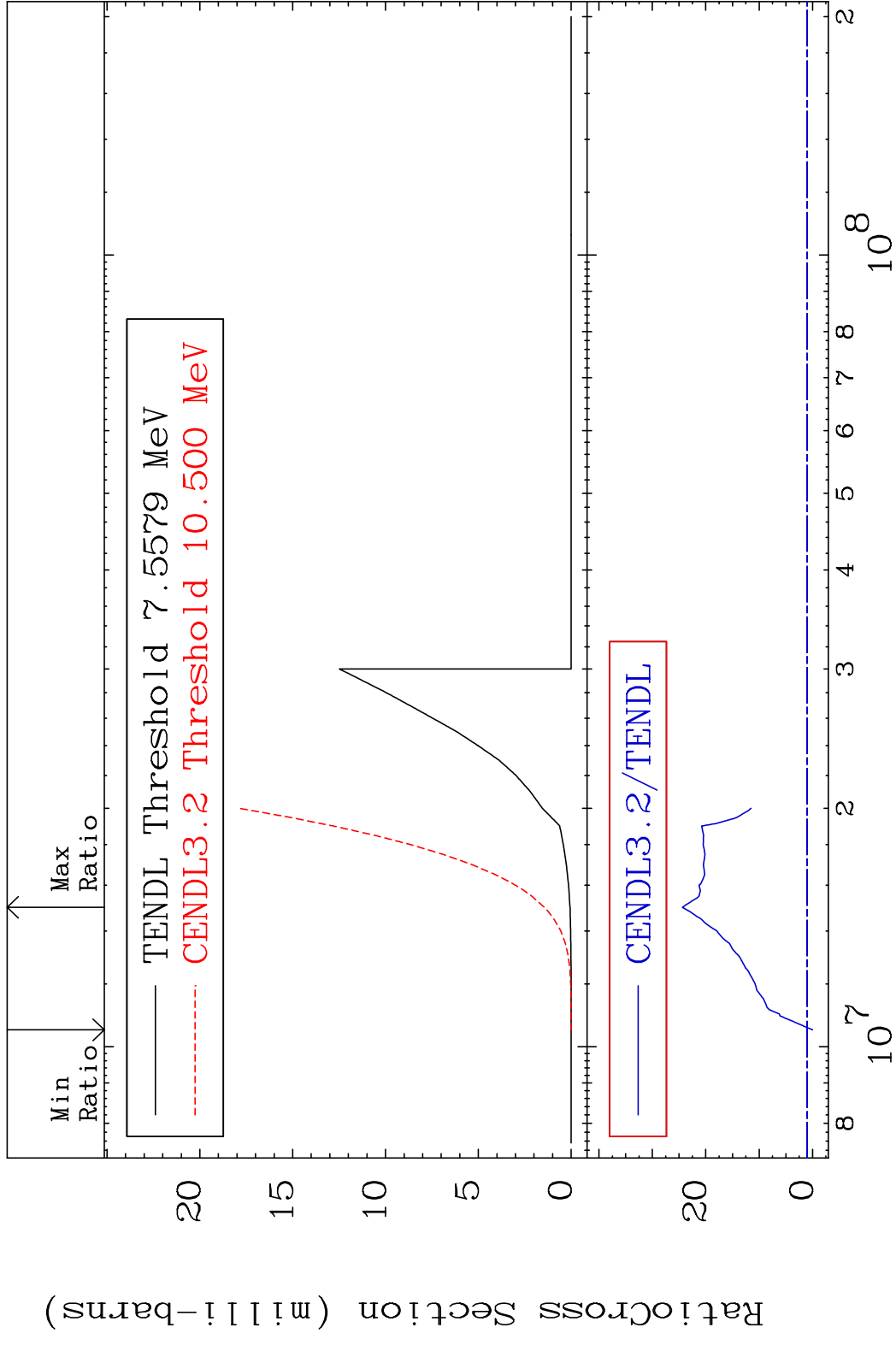
60-Nd-143

Cross Section

-83.99 To 9999. %

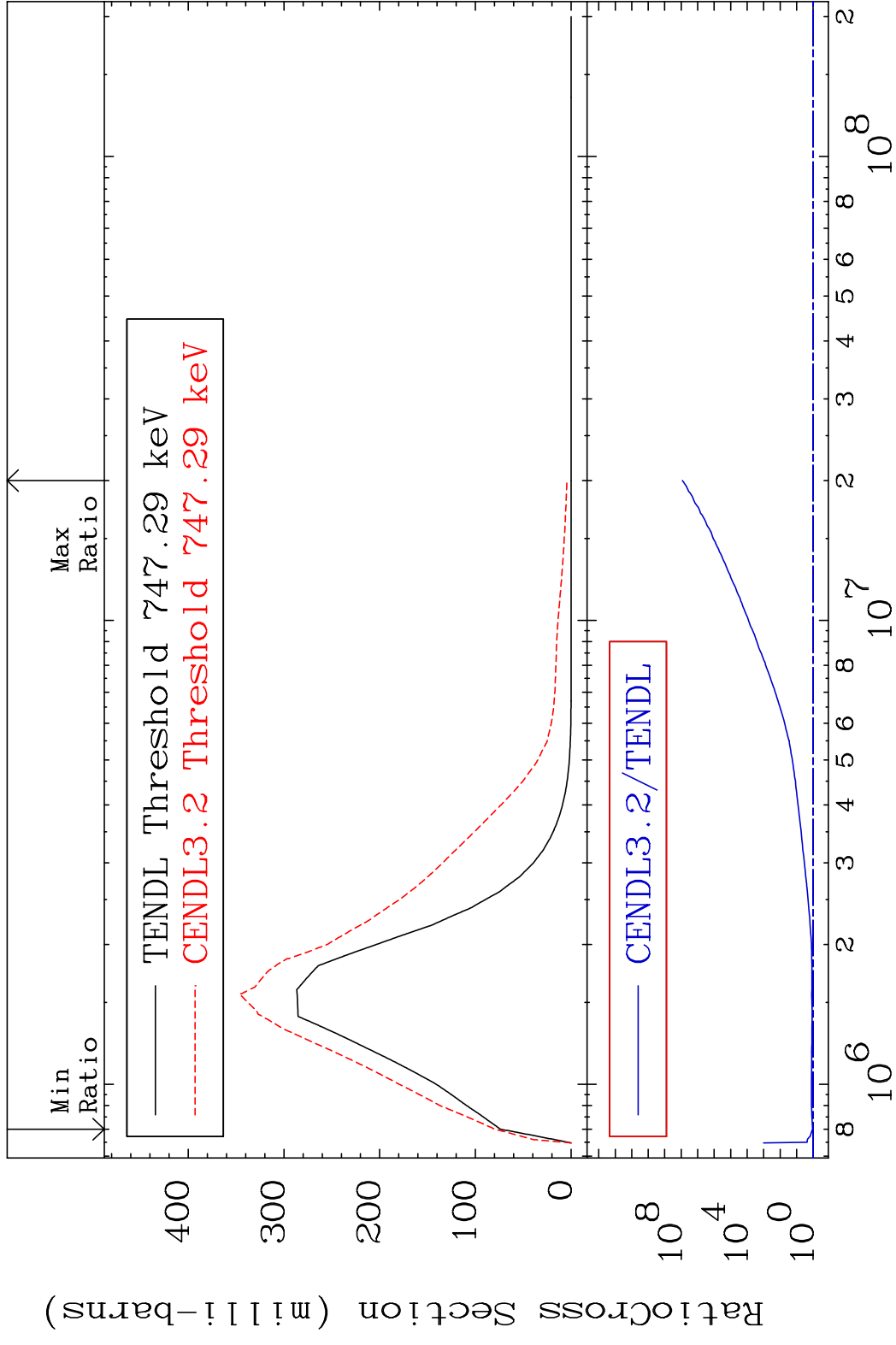


MAT 6028 (n, n') p 60-Nd-143
 Cross Section -100.0 To 2338. %



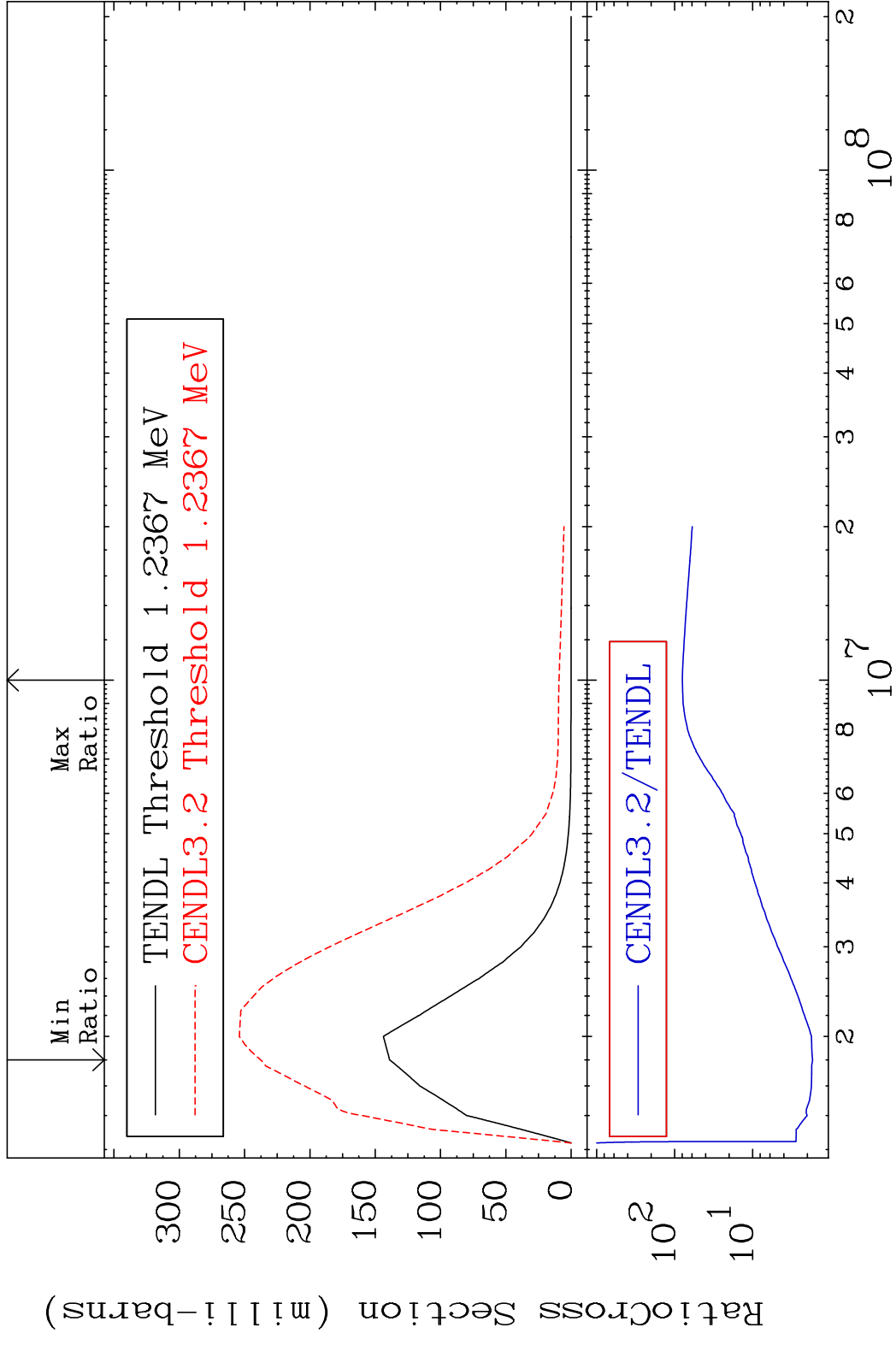
7 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 51 (n, n') Level 60-Nd-143
 Cross Section 7.753 To 9999. %

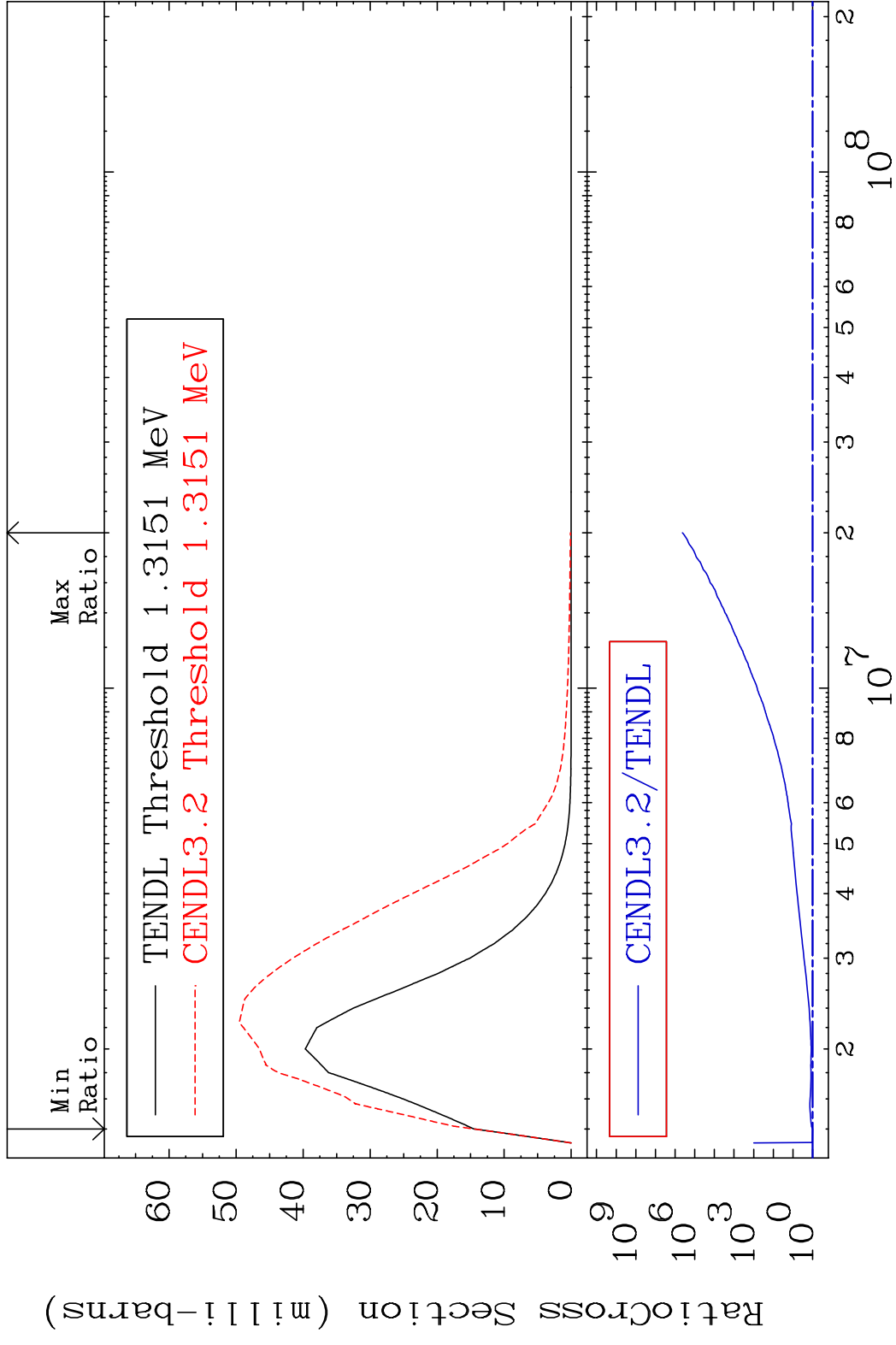


8 8 Incident Energy (eV) 60-Nd-143

MAT 6028 MT= 52 (n, n') Level 60-Nd-143
 Cross Section 71.08 To 7864. %

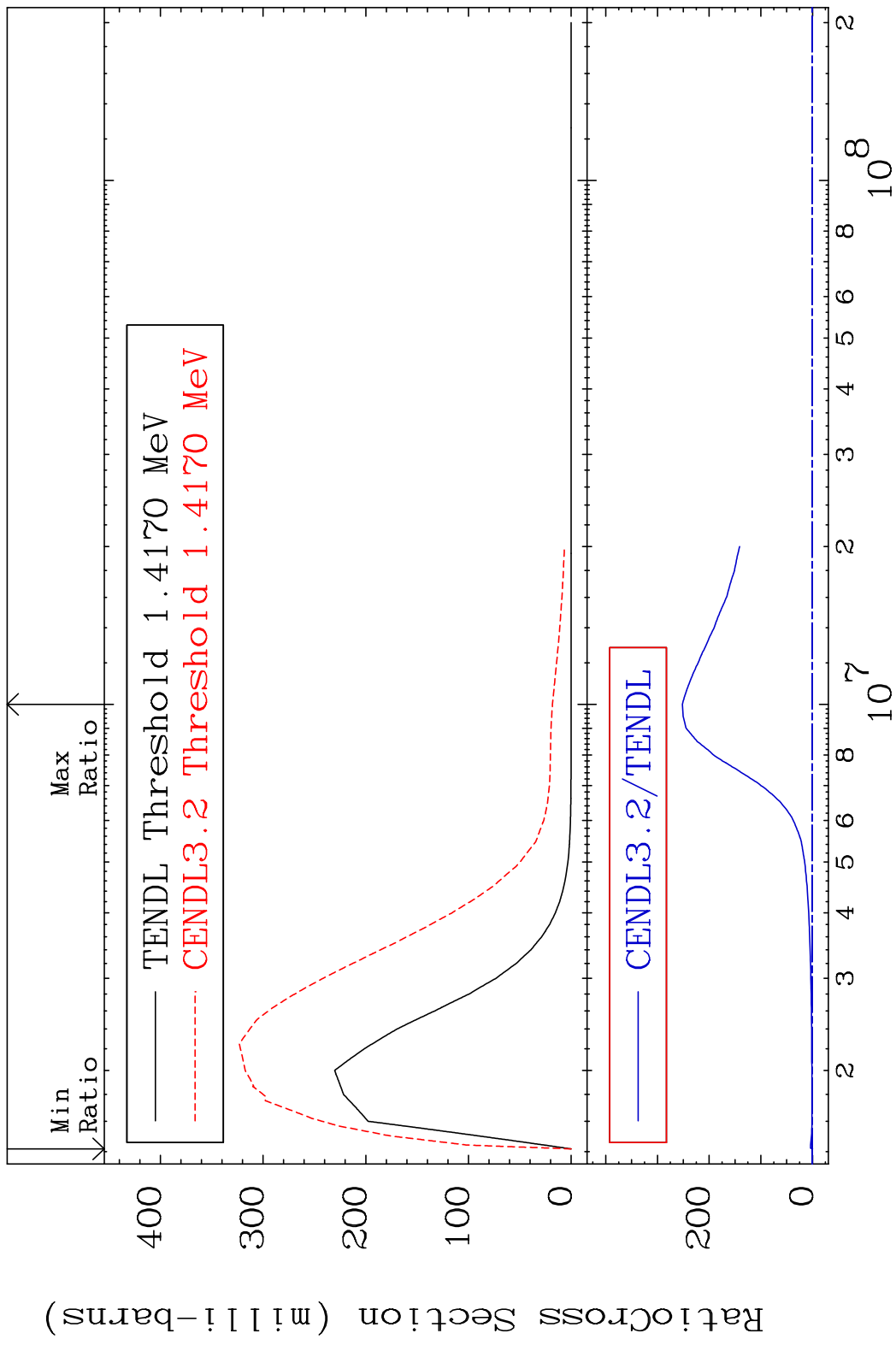


MAT 6028 MT= 53 (n, n') Level 60-Nd-143
 Cross Section 0.529 To 9999. %

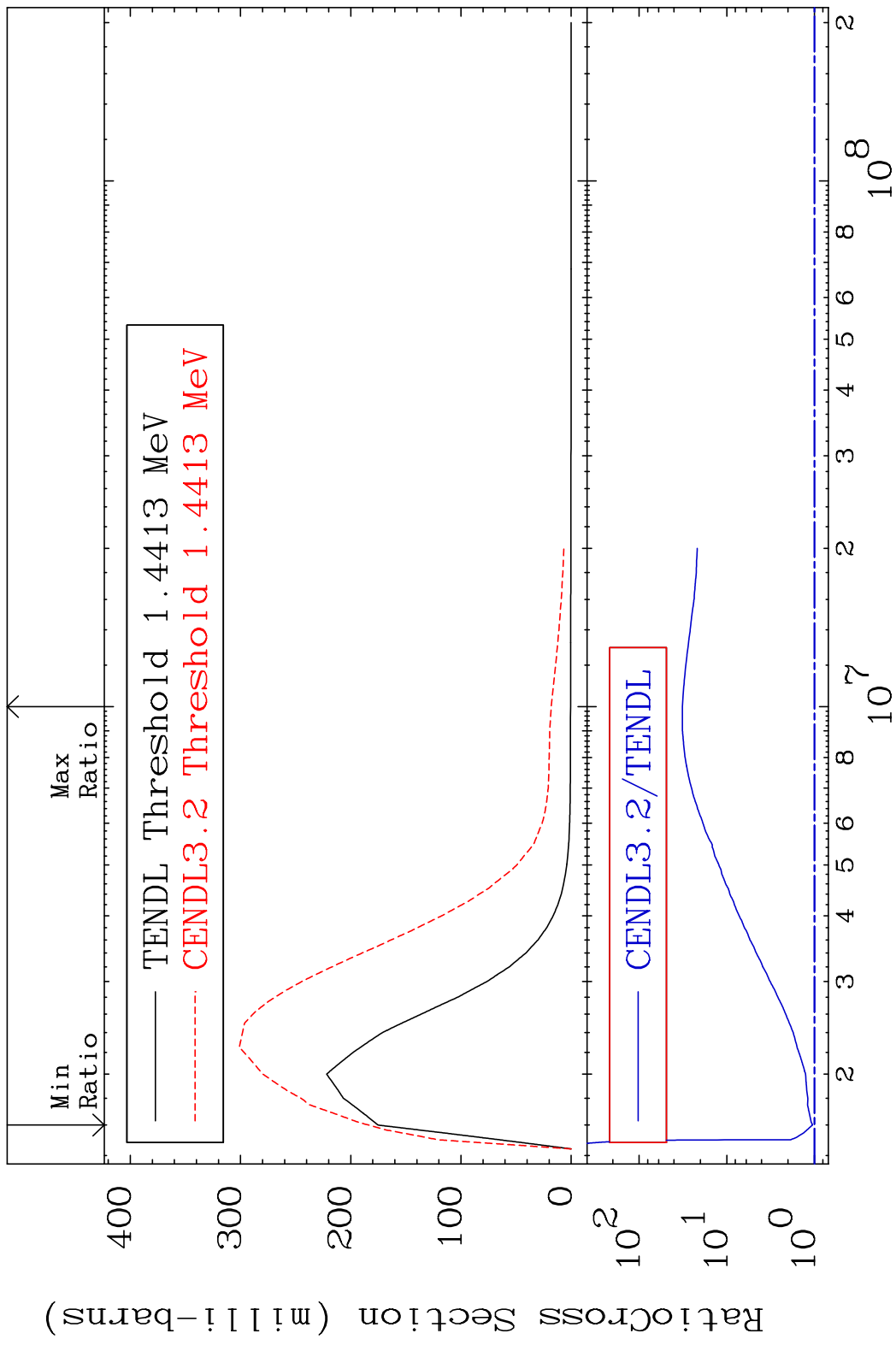


10 Incident Energy (eV) 60-Nd-143

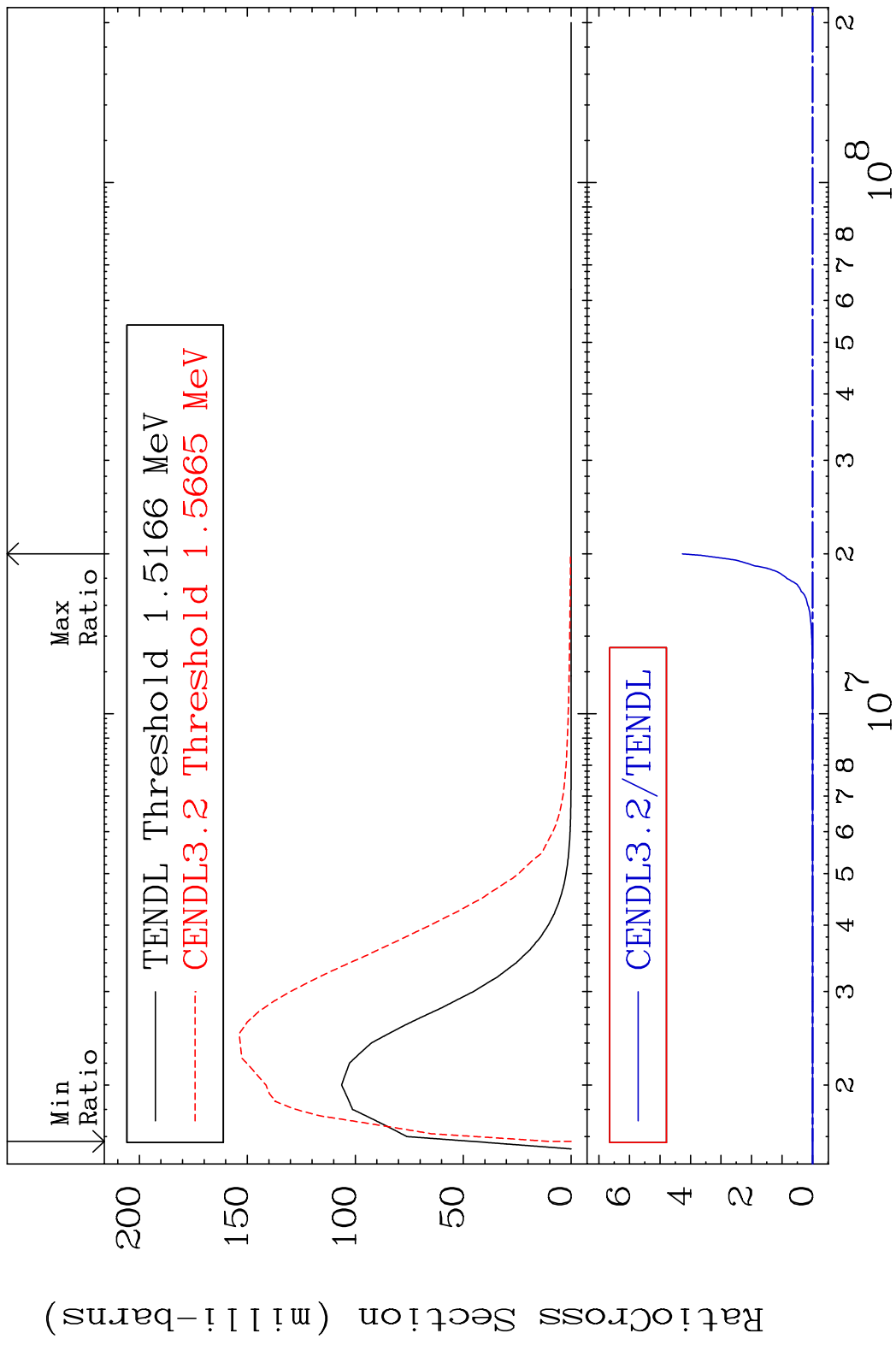
MAT 6028 MT= 54 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 9999. %



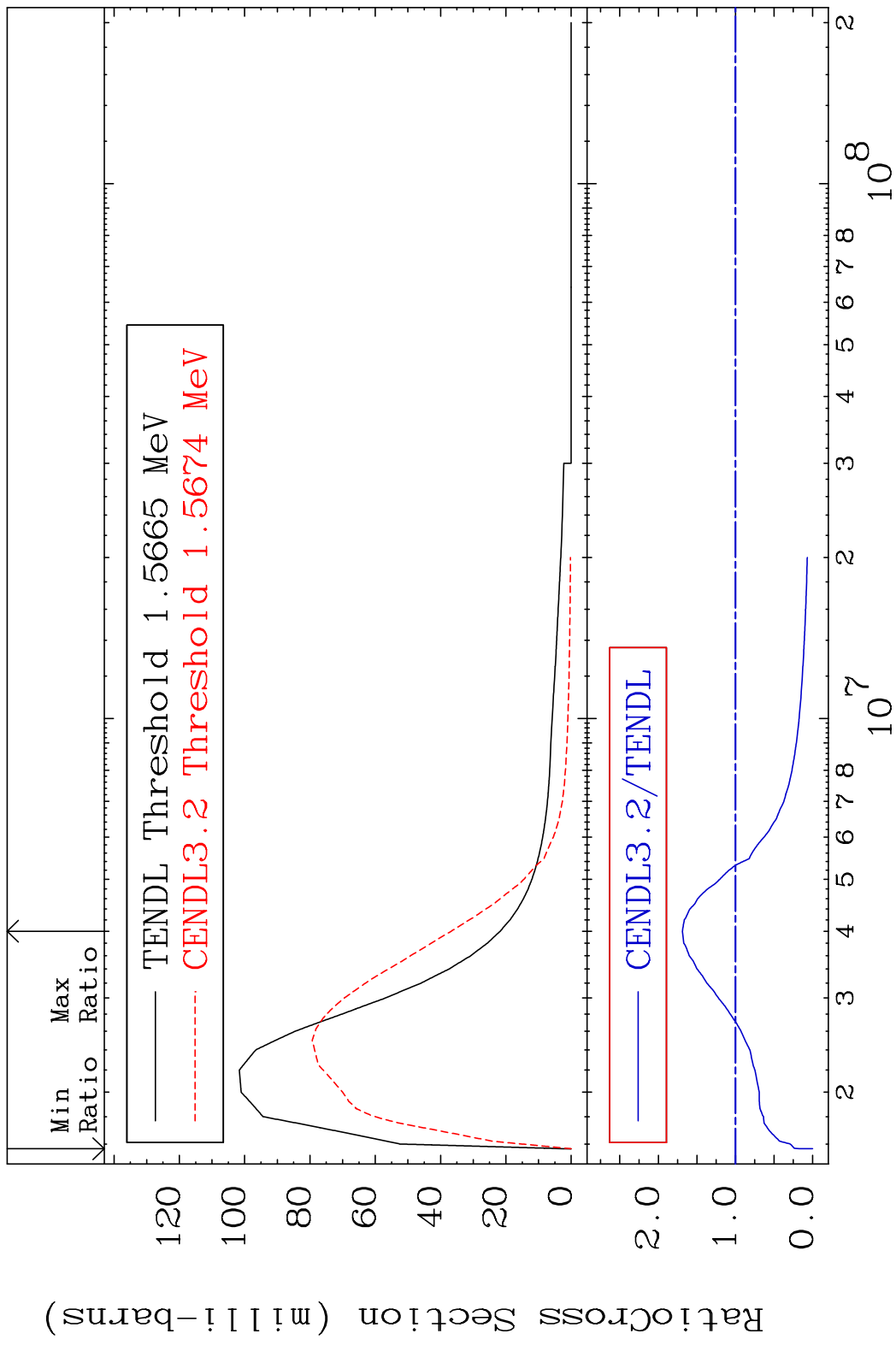
MAT 6028 MT= 55 (n,n') Level 60-Nd-143
 Cross Section 4.867 To 3111. %



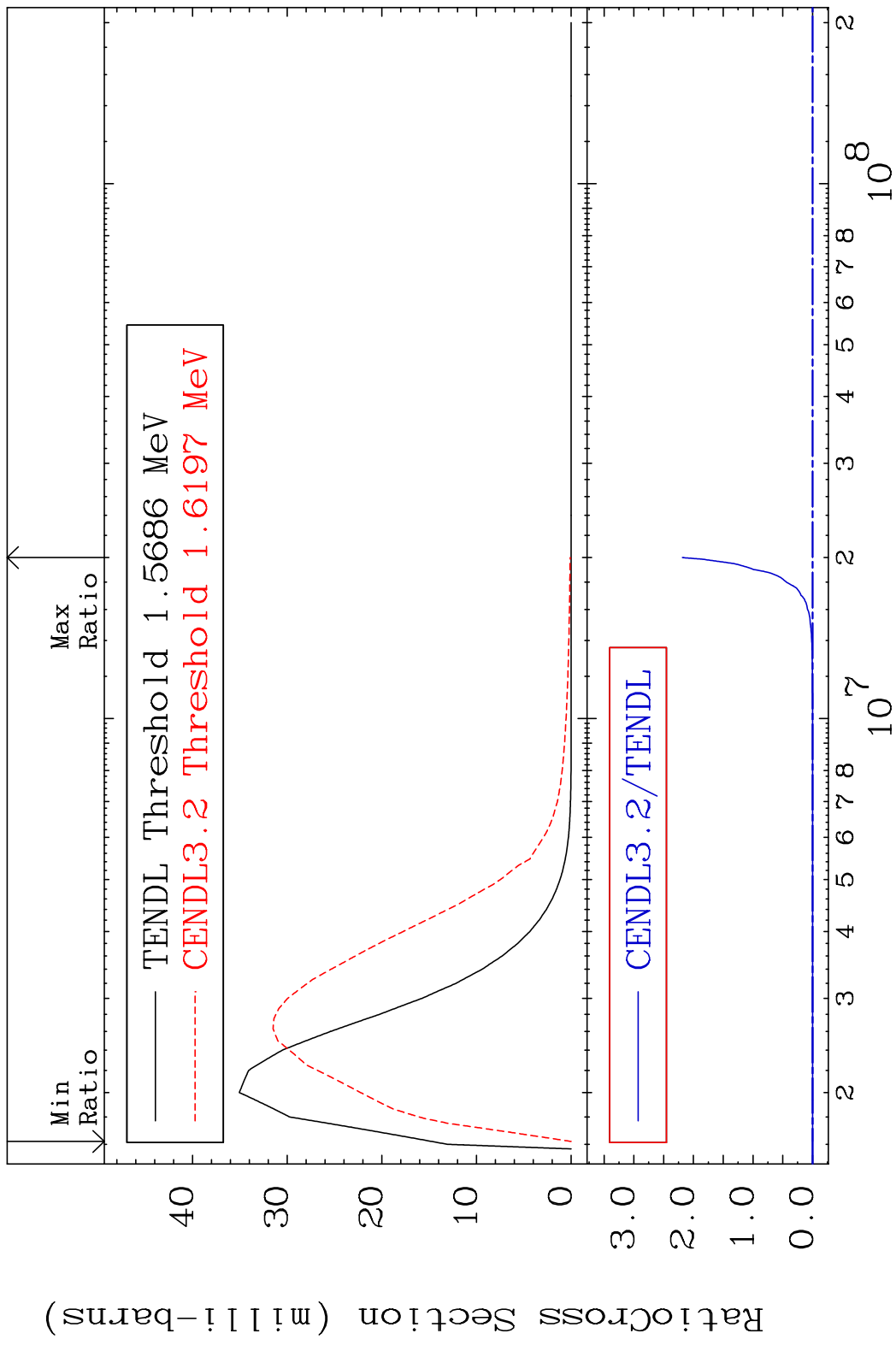
MAT 6028 MT= 56 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 9999. %



MAT 6028 MT= 57 (n,n') Level 60-Nd-143
 Cross Section -100.0 To 68.86 %

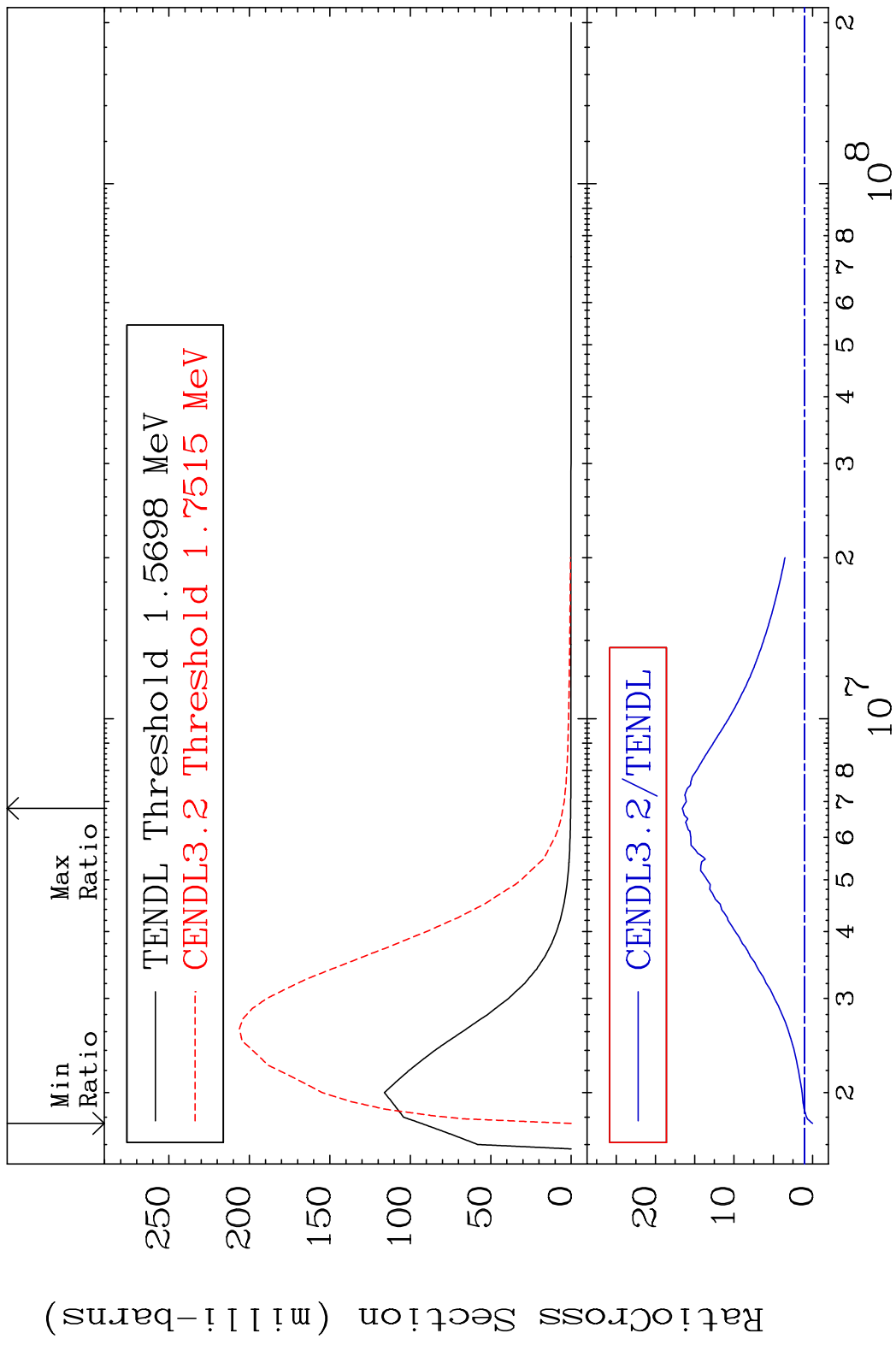


MAT 6028 MT= 58 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 9999. %

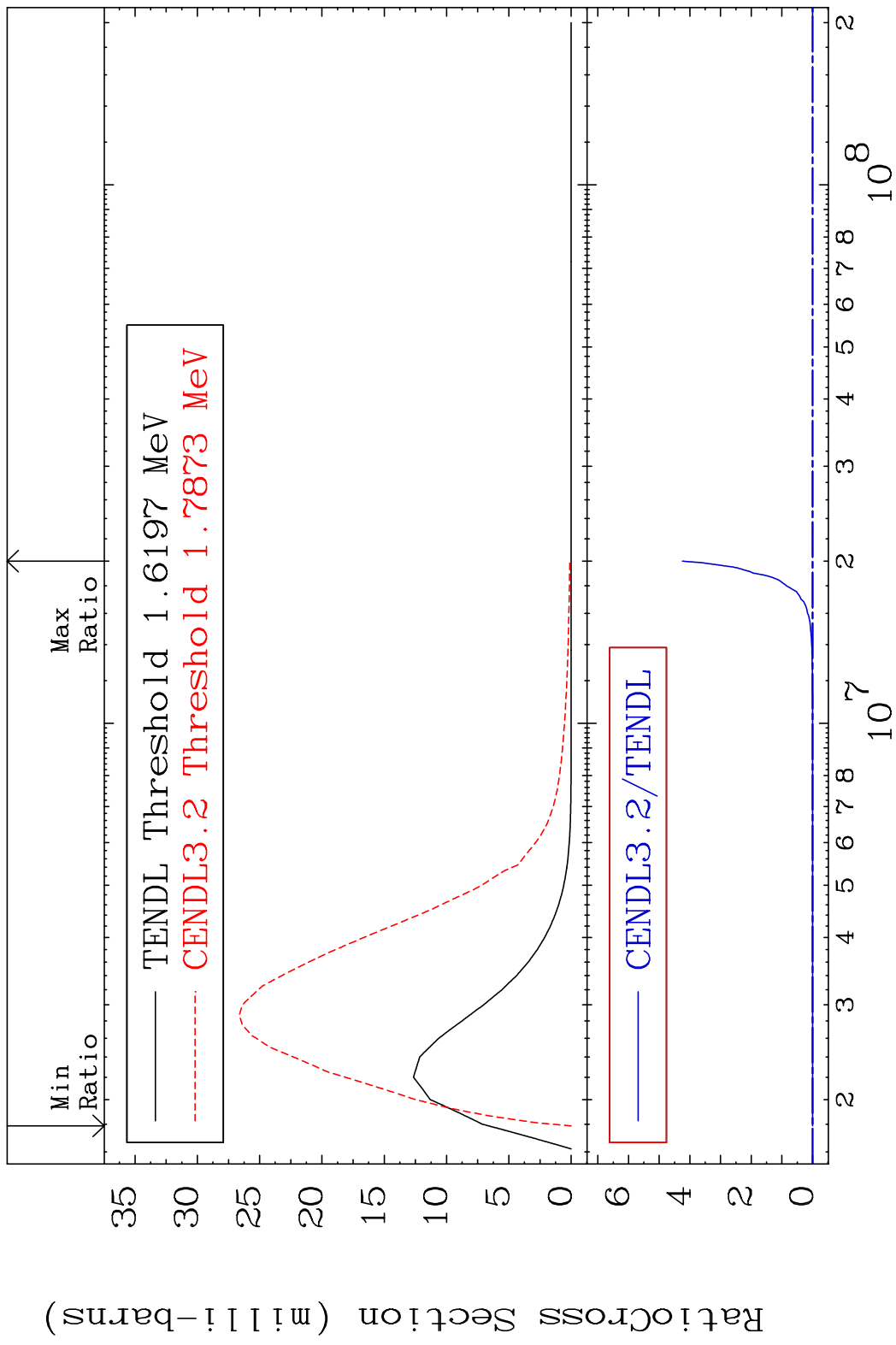


15 Incident Energy (eV) 60-Nd-143

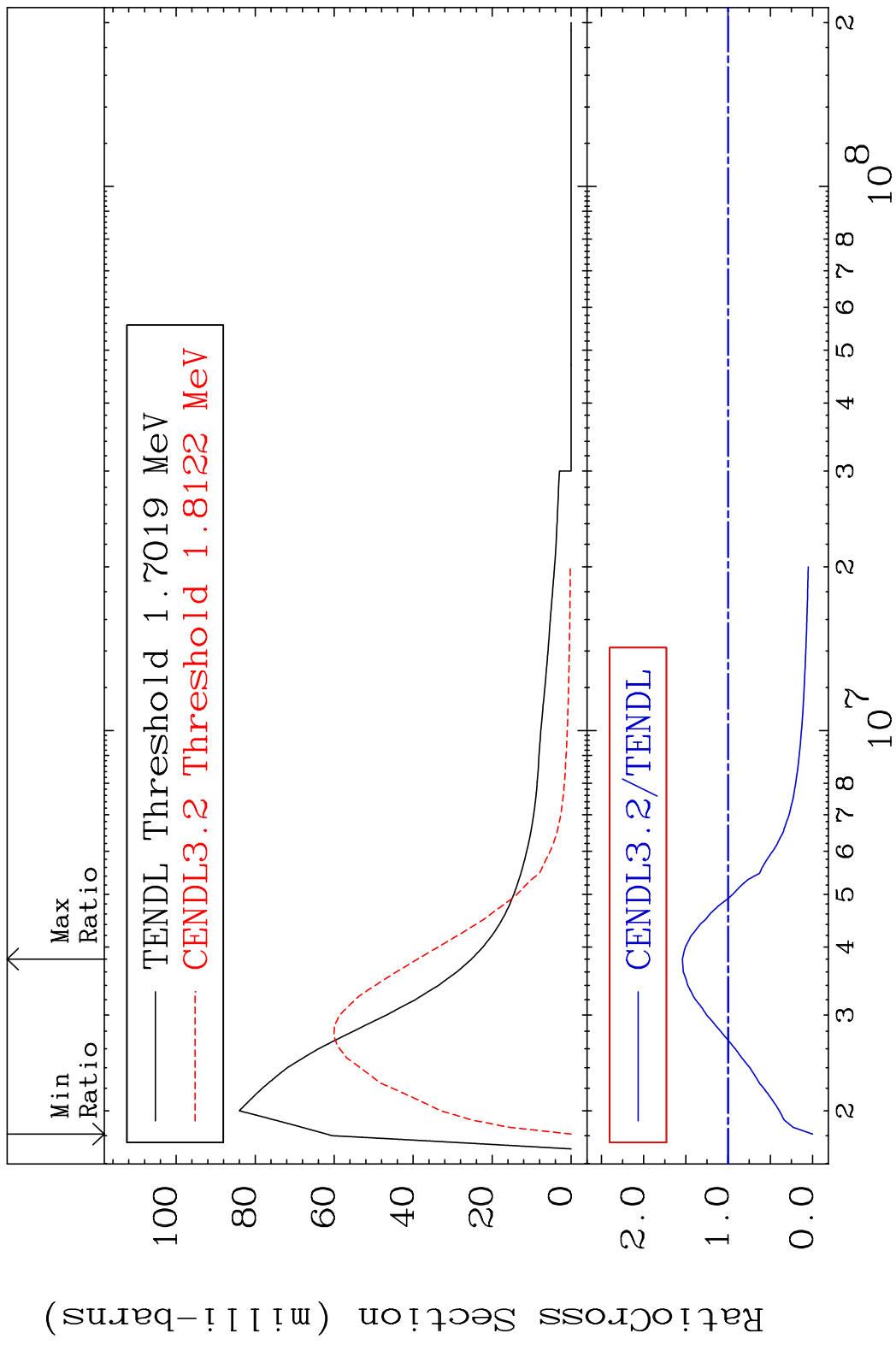
MAT 6028 MT= 59 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 1558. %



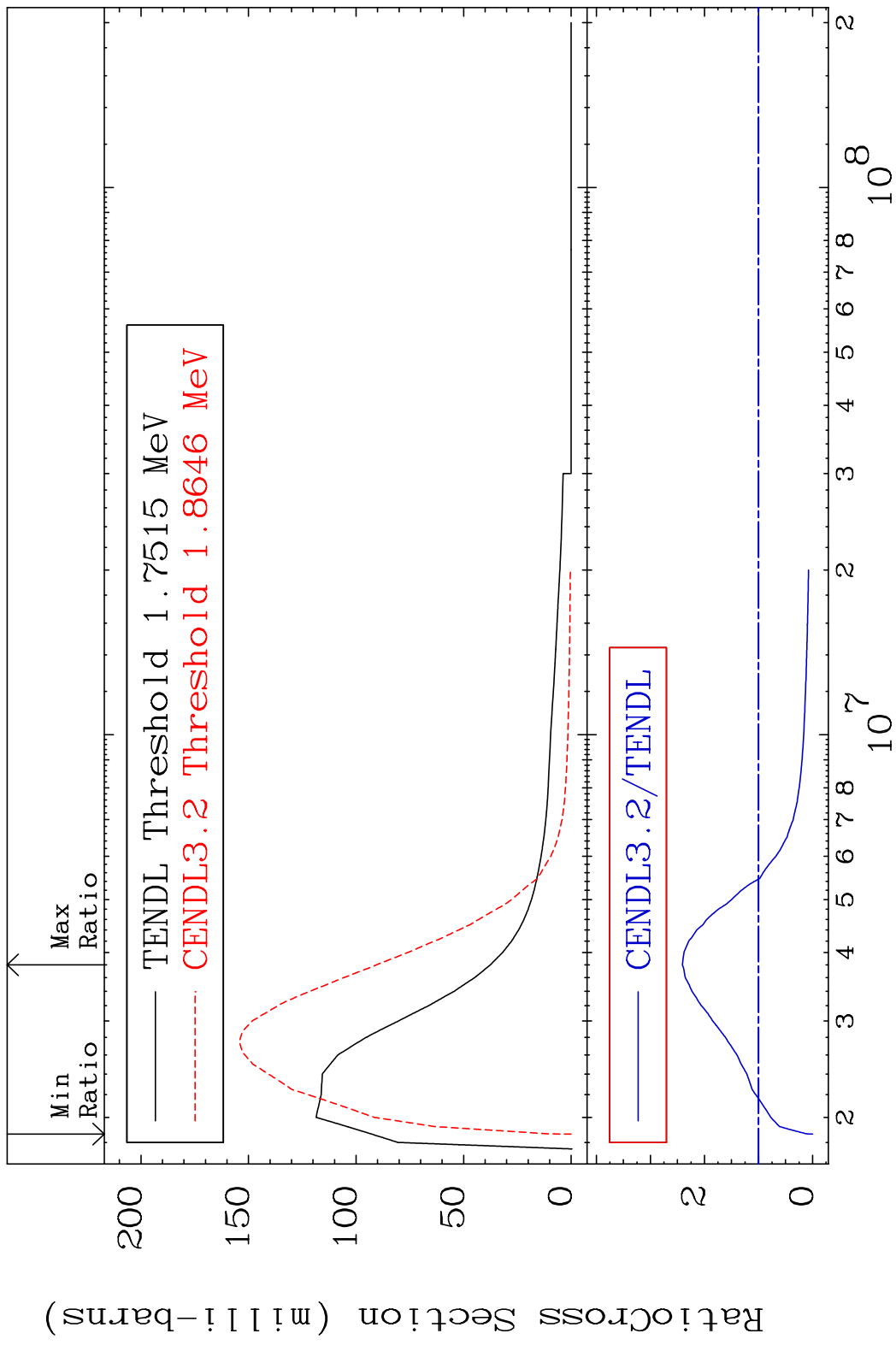
MAT 6028 MT= 60 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 9999. %



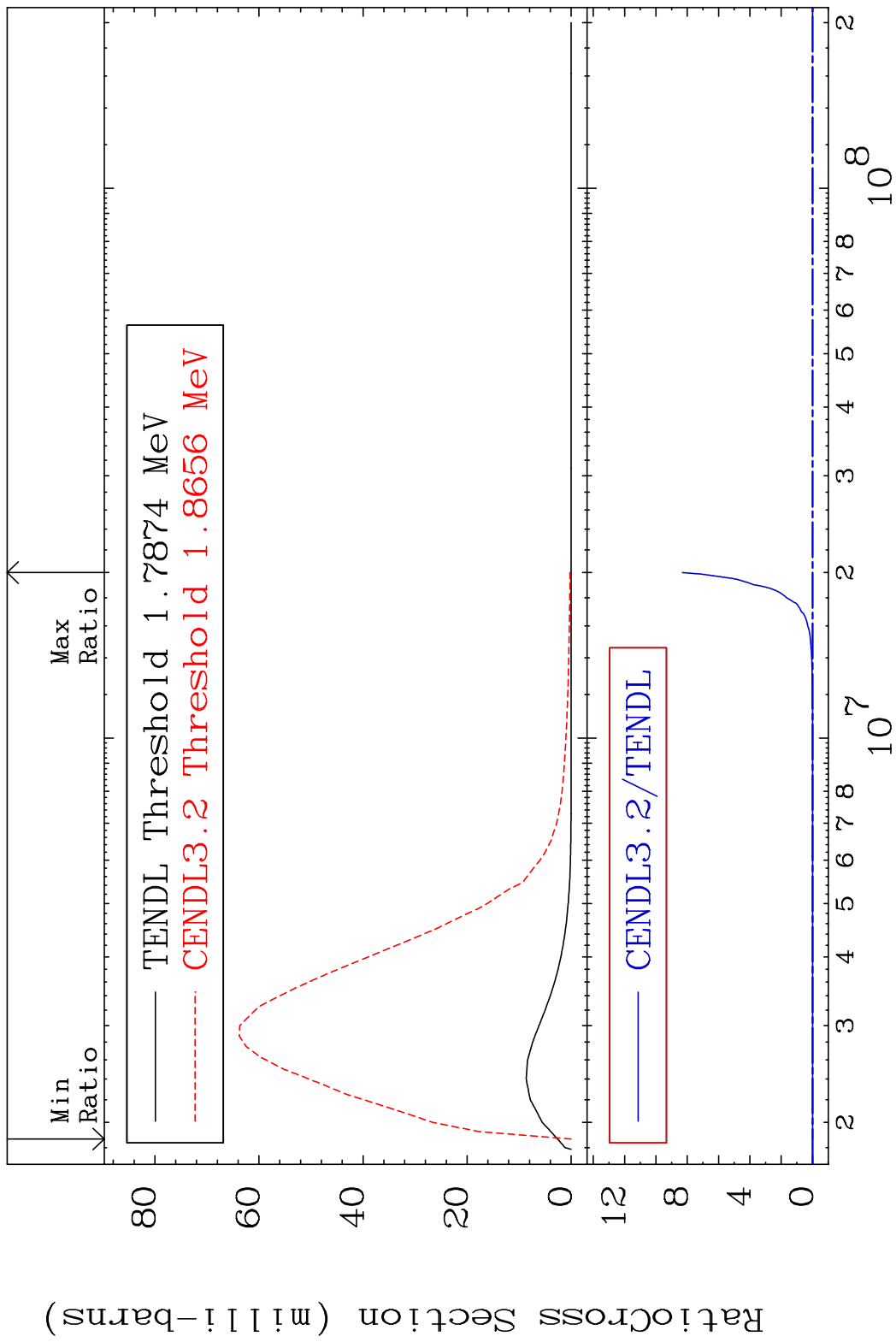
MAT 6028 MT= 61 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 54.18 %



MAT 6028 MT= 62 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 141.0 %

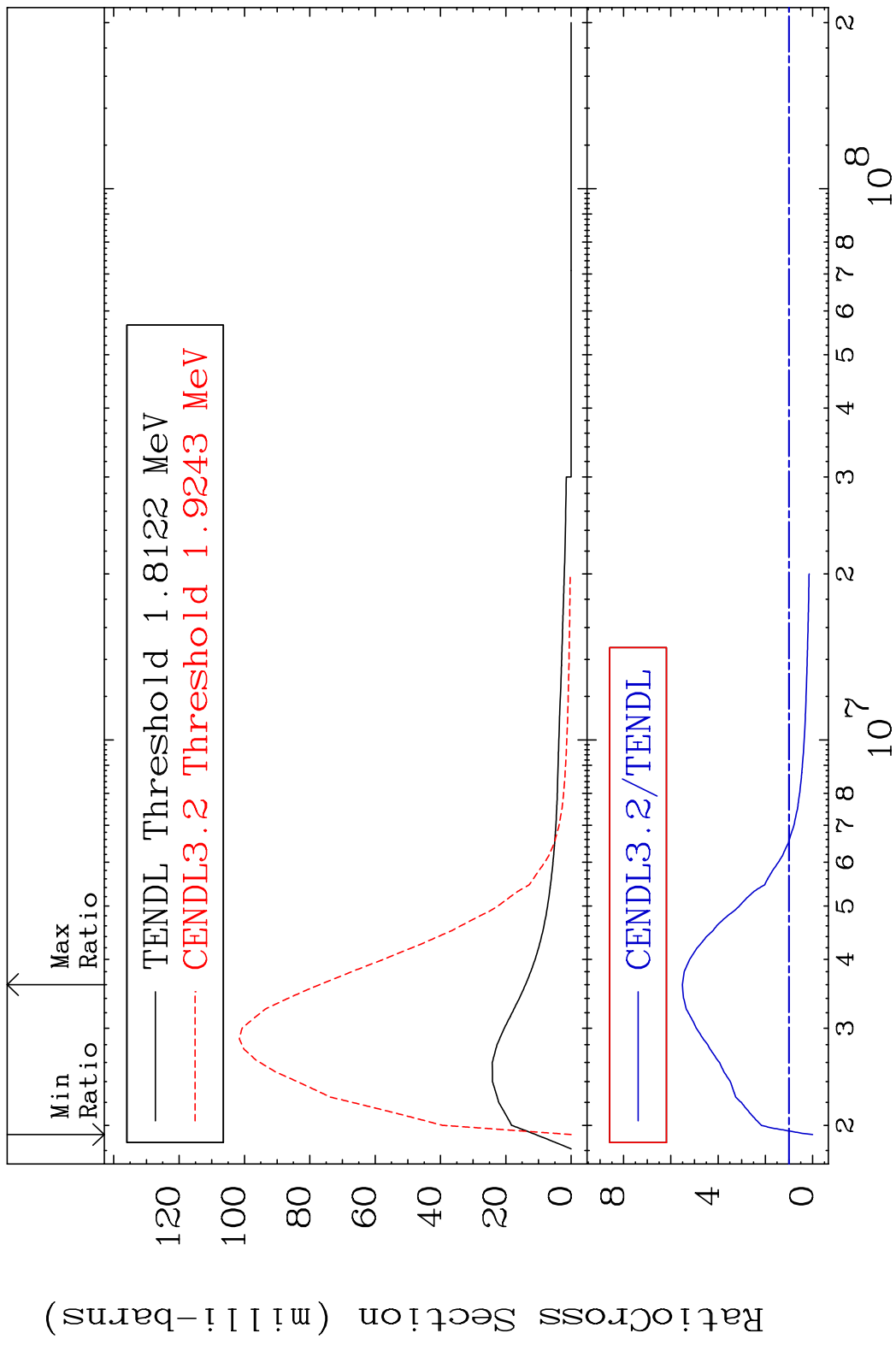


MAT 6028 MT= 63 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 9999. %

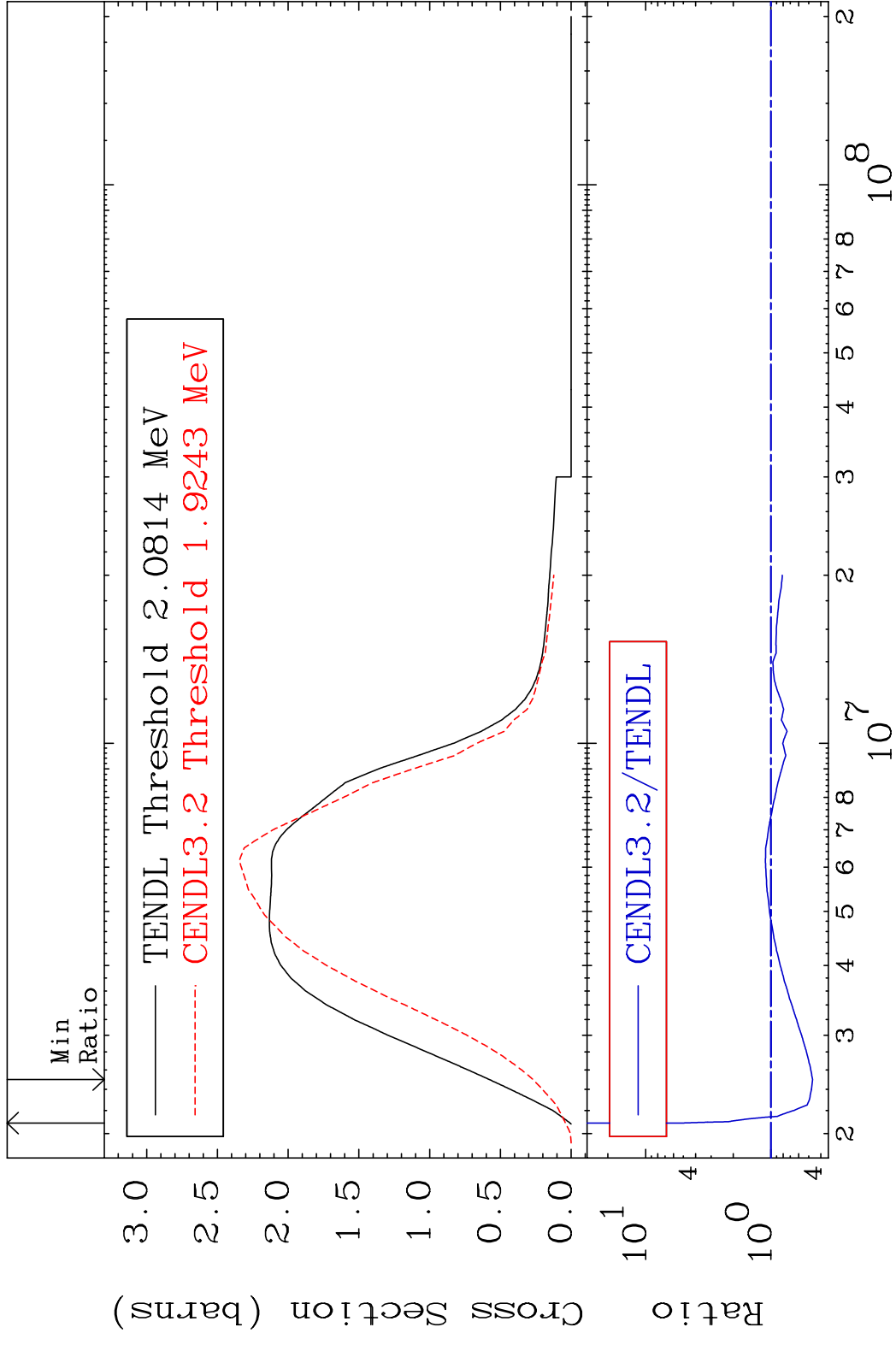


20 60-Nd-143

MAT 6028 MT= 64 (n, n') Level 60-Nd-143
 Cross Section -100.0 To 451.4 %

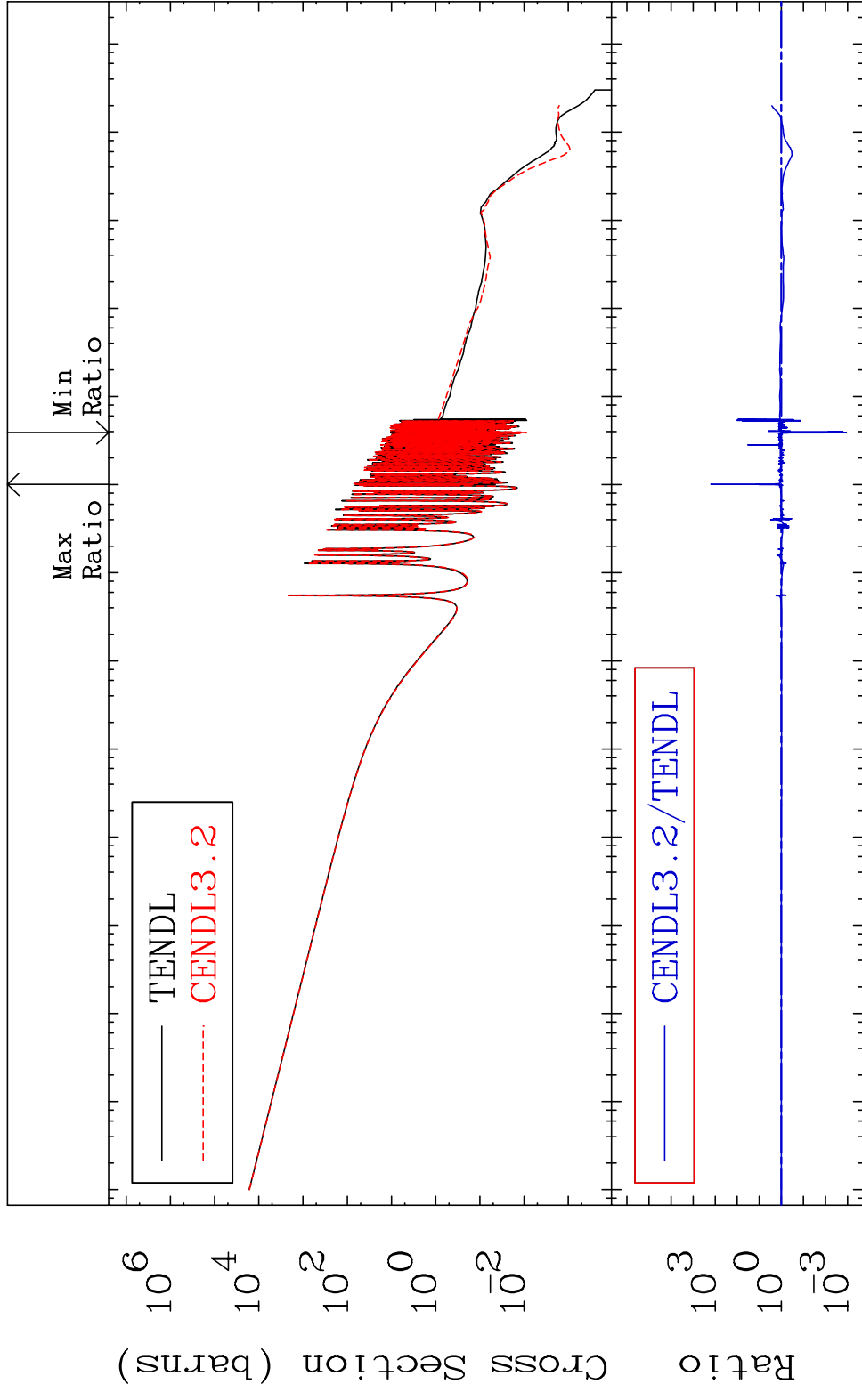


MAT 6028 (n,n') Continuum 60-Nd-143
 Cross Section -53.46 To 409.4 %



MAT 6028

(n, γ)
Cross Section -99.89 To 9999. %
60-Nd-143



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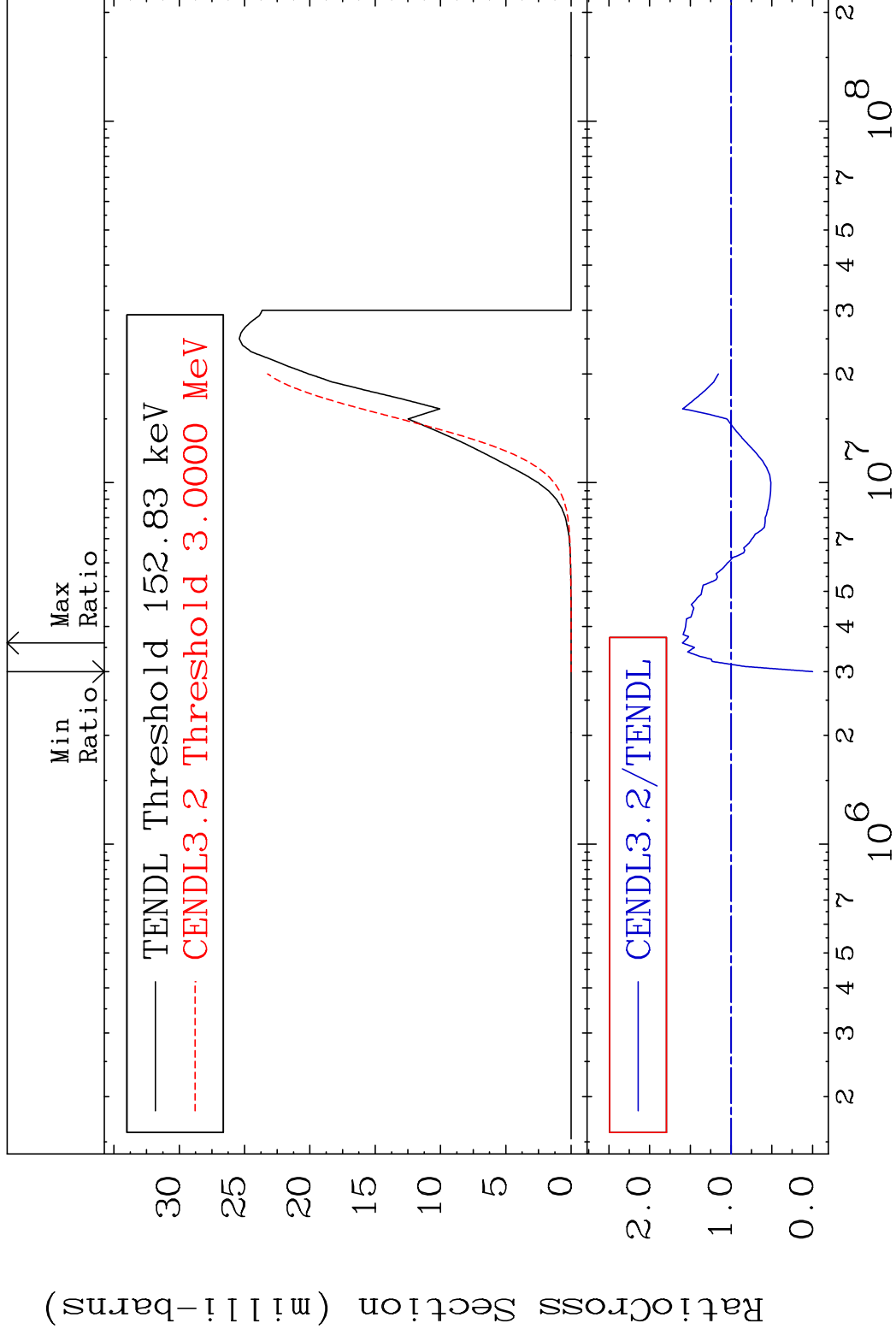
Incident Energy (eV) 60-Nd-143

MAT 6028

(n, p)

60-Nd-143

Cross Section -100.0 To 59.84 %

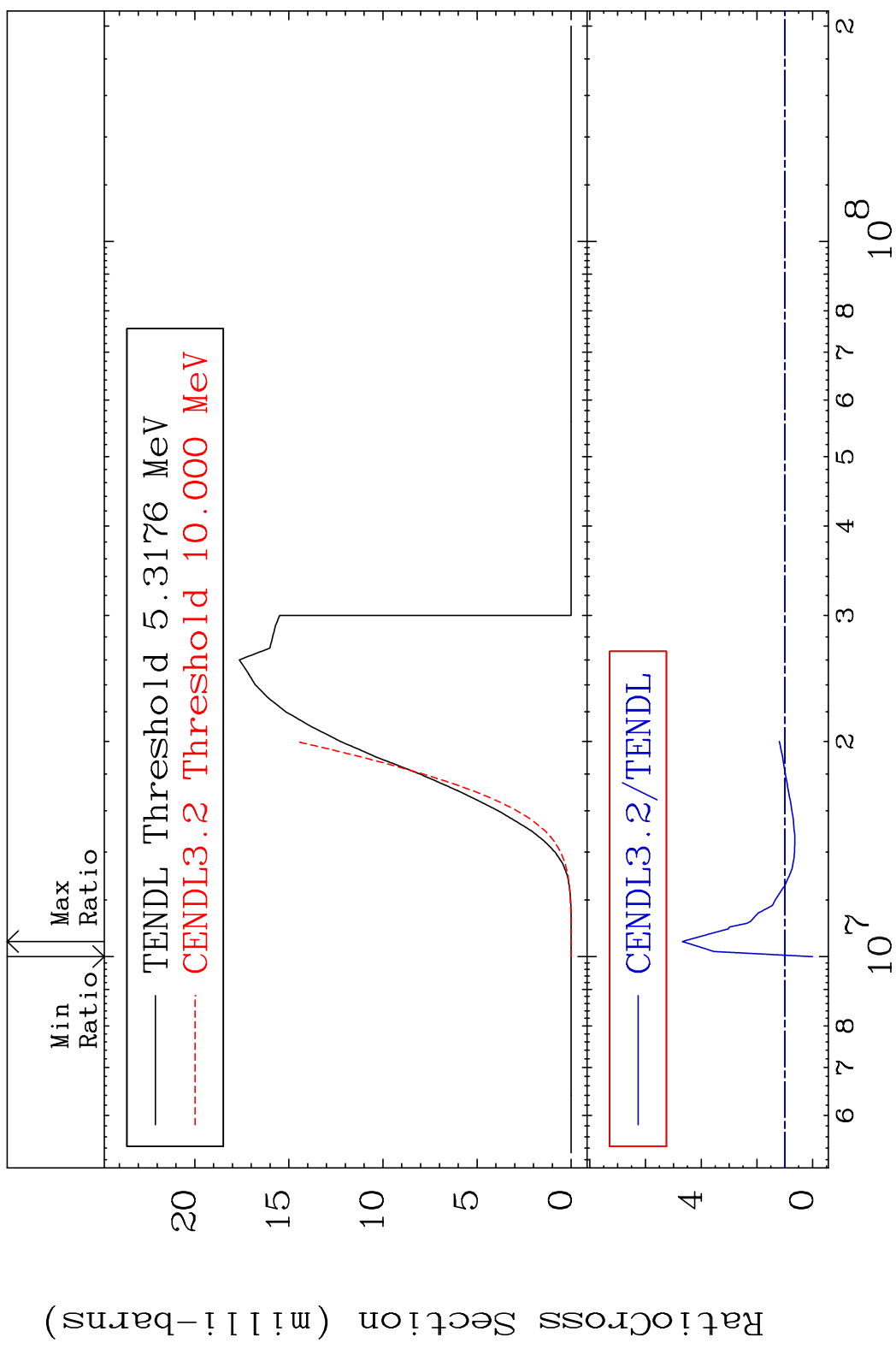


MAT 6028

(n,d)

60-Nd-143

Cross Section -100.0 To 367.8 %

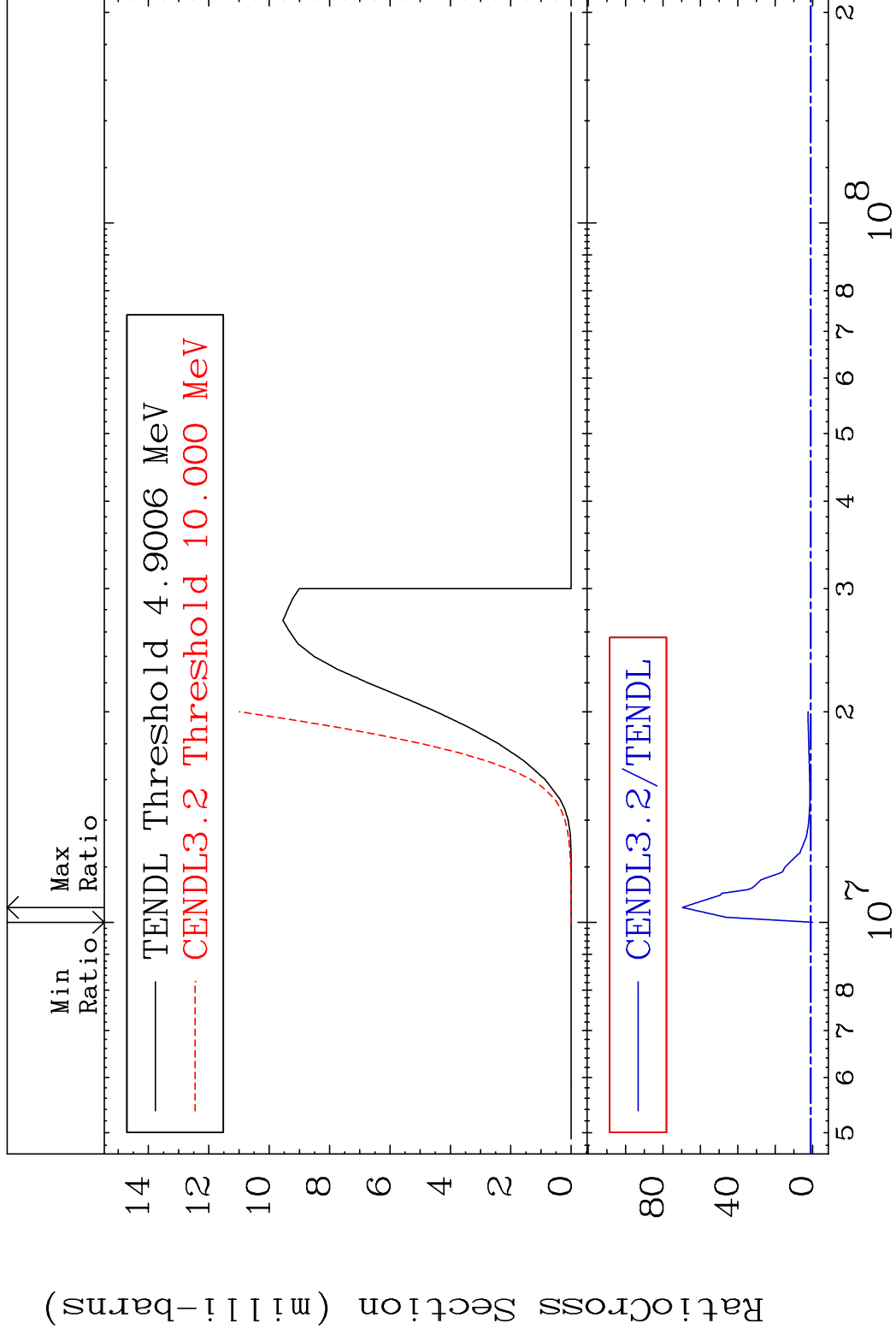


MAT 6028

(n, t)

60-Nd-143

Cross Section -100.0 To 6867. %



26

Incident Energy (eV)

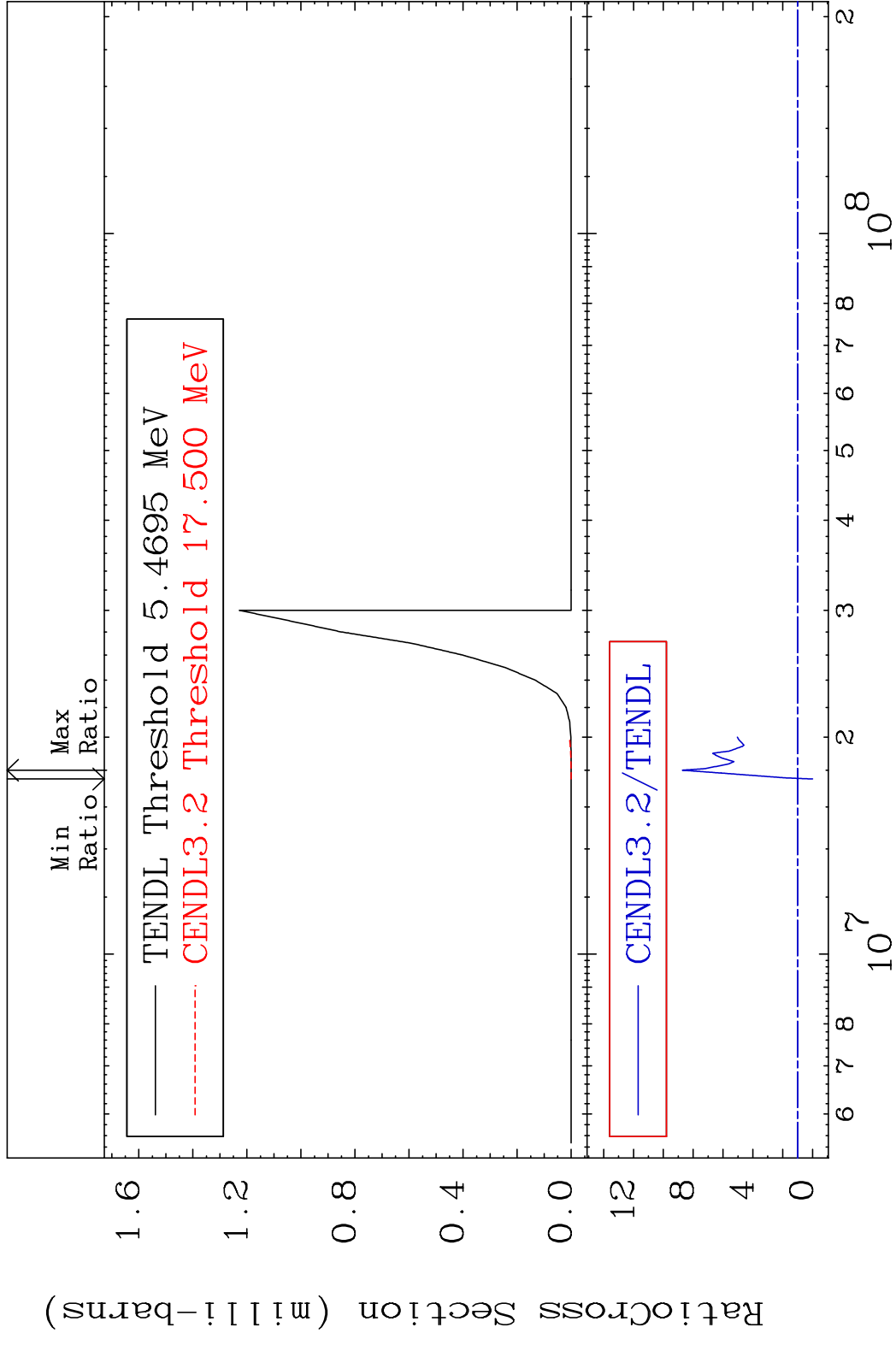
60-Nd-143

MAT 6028

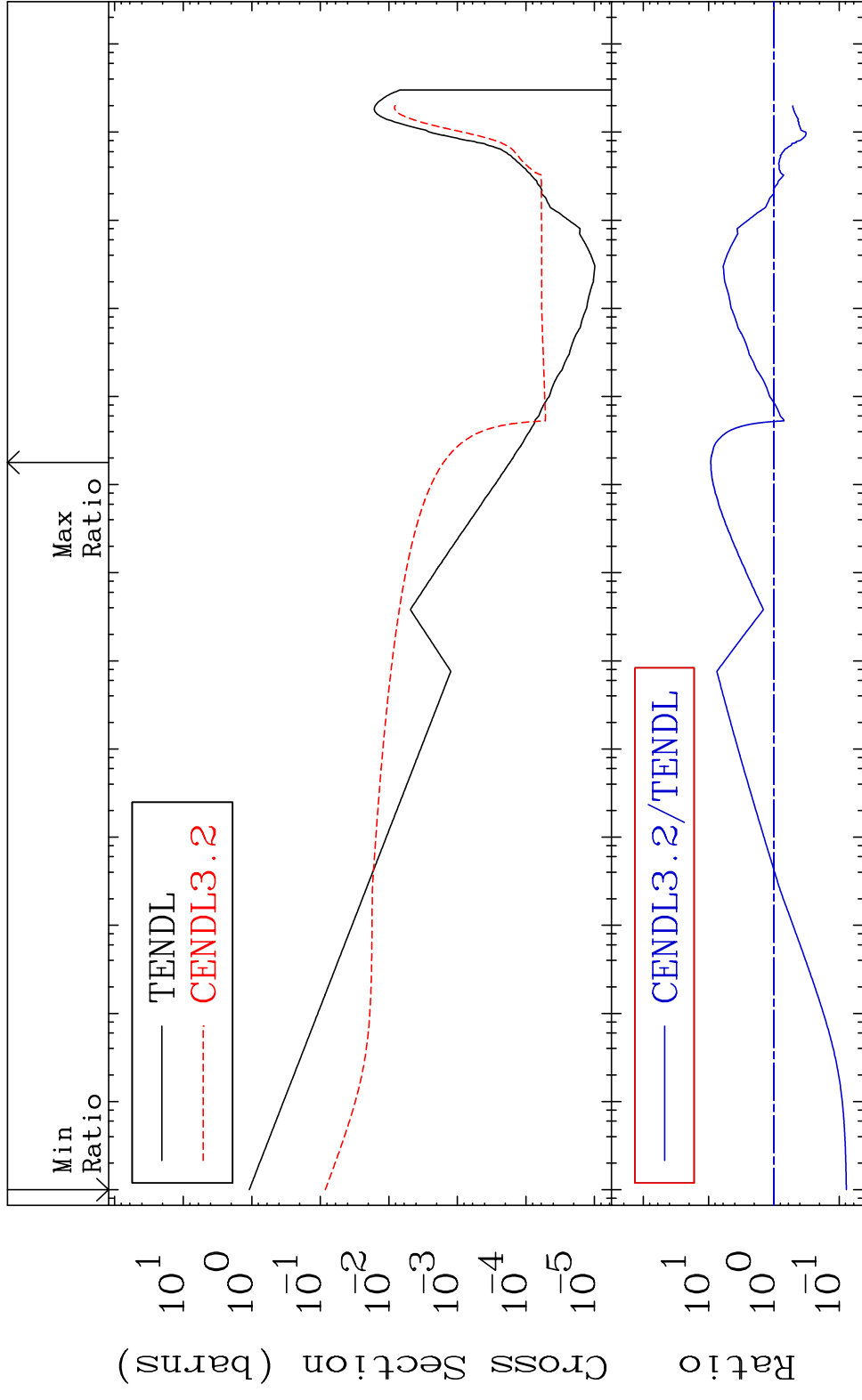
(n, He-3)

60-Nd-143

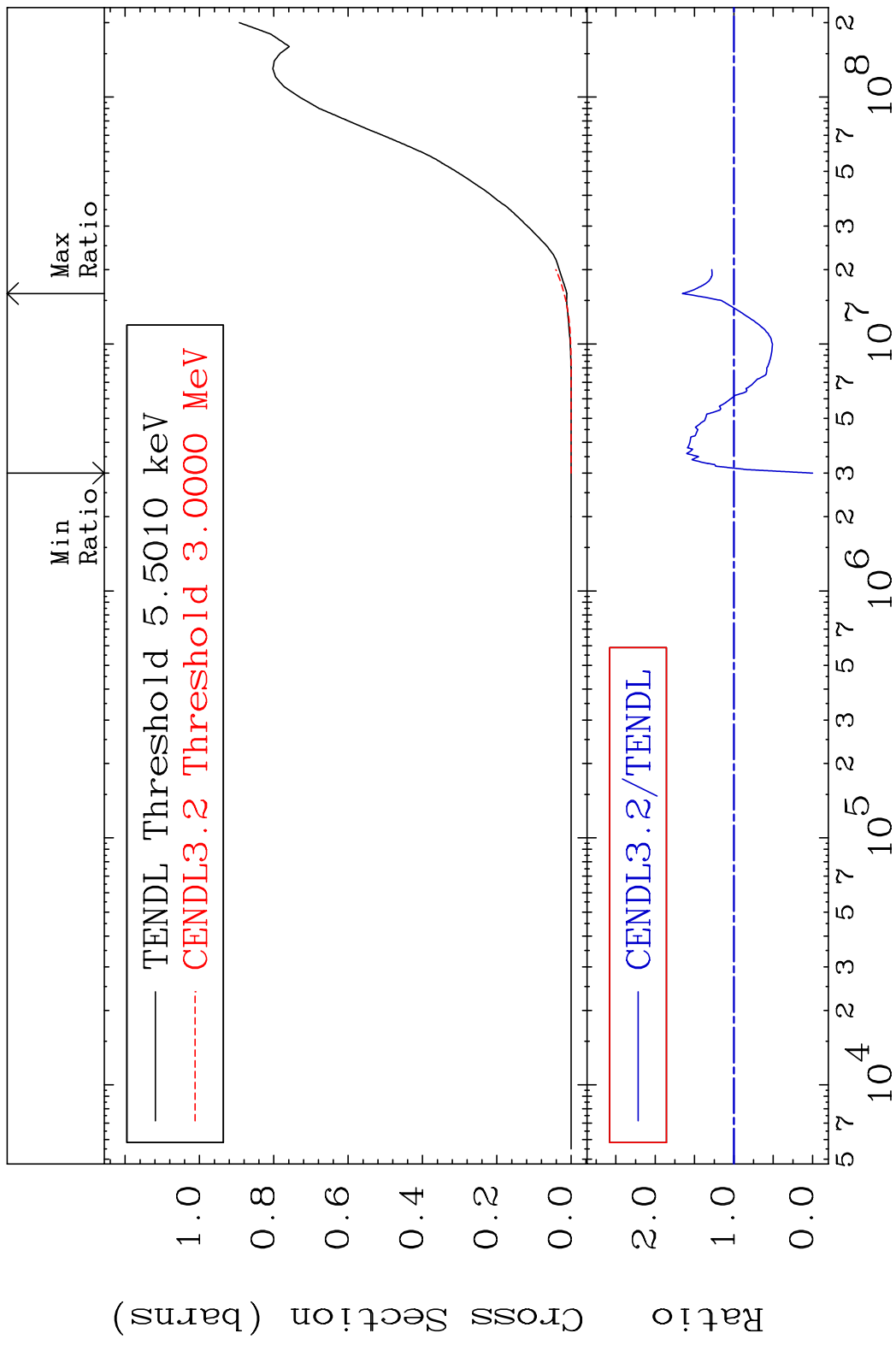
Cross Section -100.0 To 772.5 %



MAT 6028 (n, α) 60-Nd-143
 Cross Section -92.23 To 830.5 %



MAT 6028 Hydrogen Production 60-Nd-143
 Cross Section -100.0 To 65.48 %

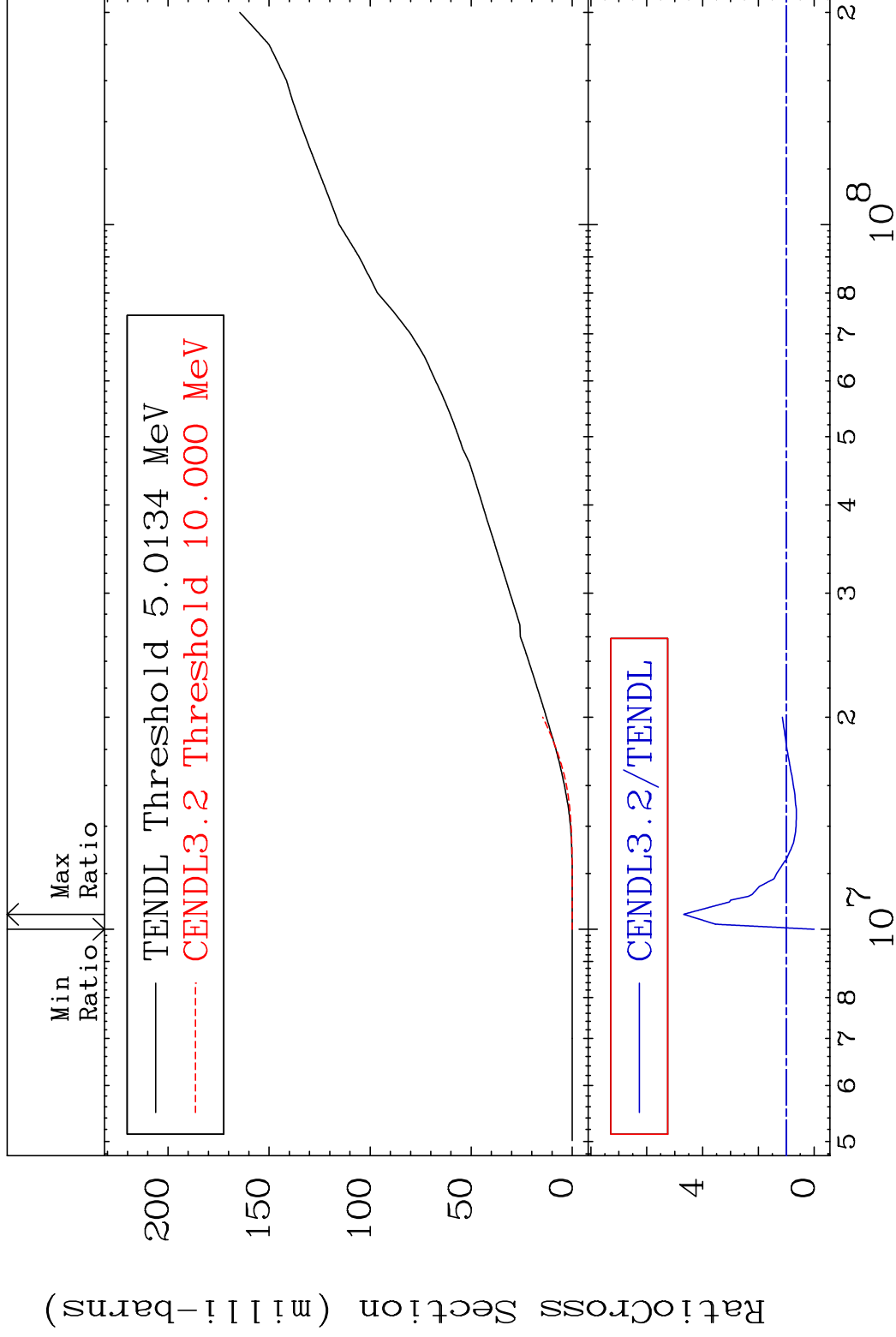


MAT 6028

Deuterium Production

60-Nd-143

Cross Section -100.0 To 367.8 %

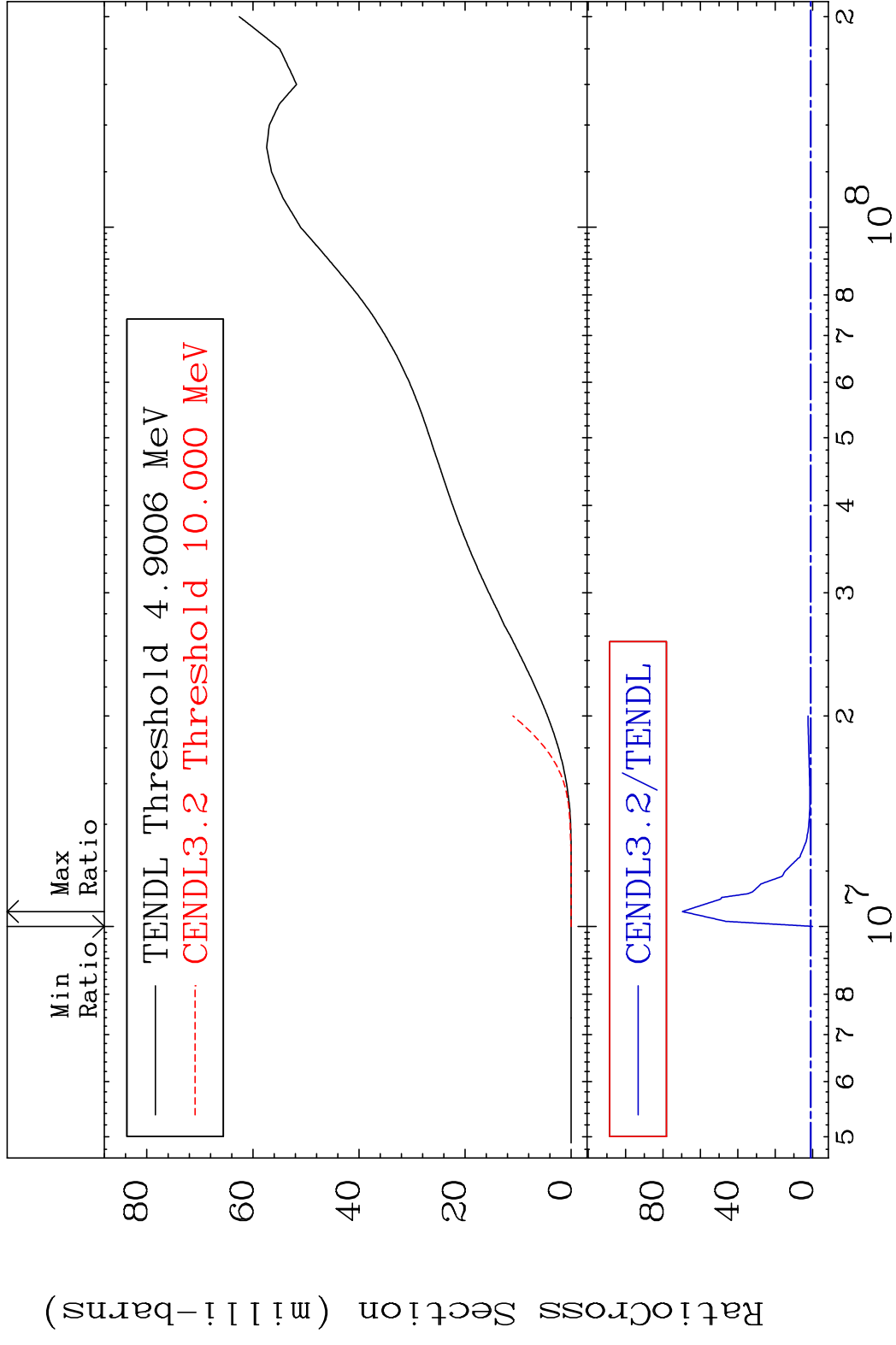


30

Incident Energy (eV)

60-Nd-143

MAT 6028 Tritium Production 60-Nd-143
 Cross Section -100.0 To 6867. %

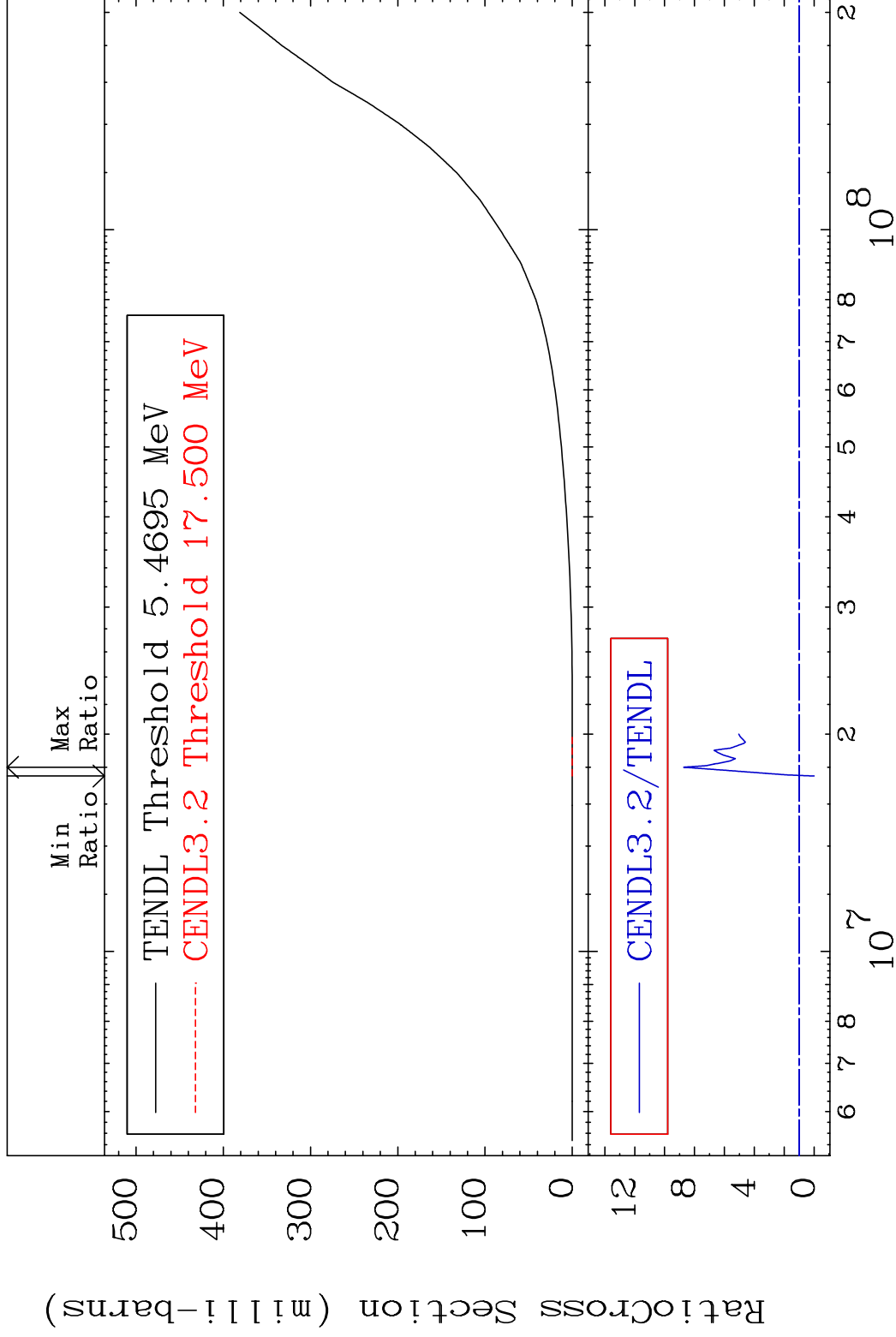


MAT 6028

He-3 Production

60-Nd-143

Cross Section -100.0 To 772.5 %

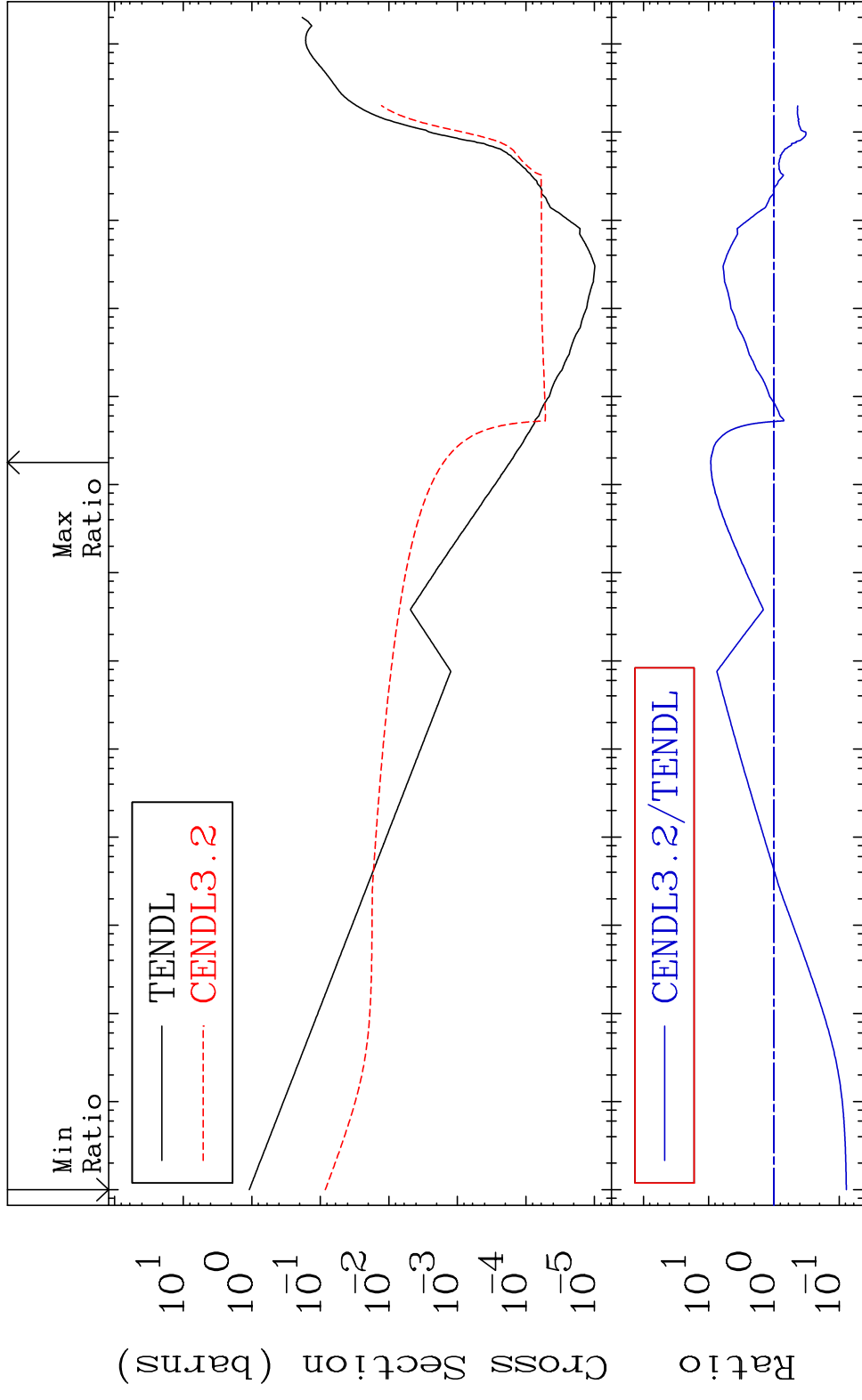


32

Incident Energy (eV)

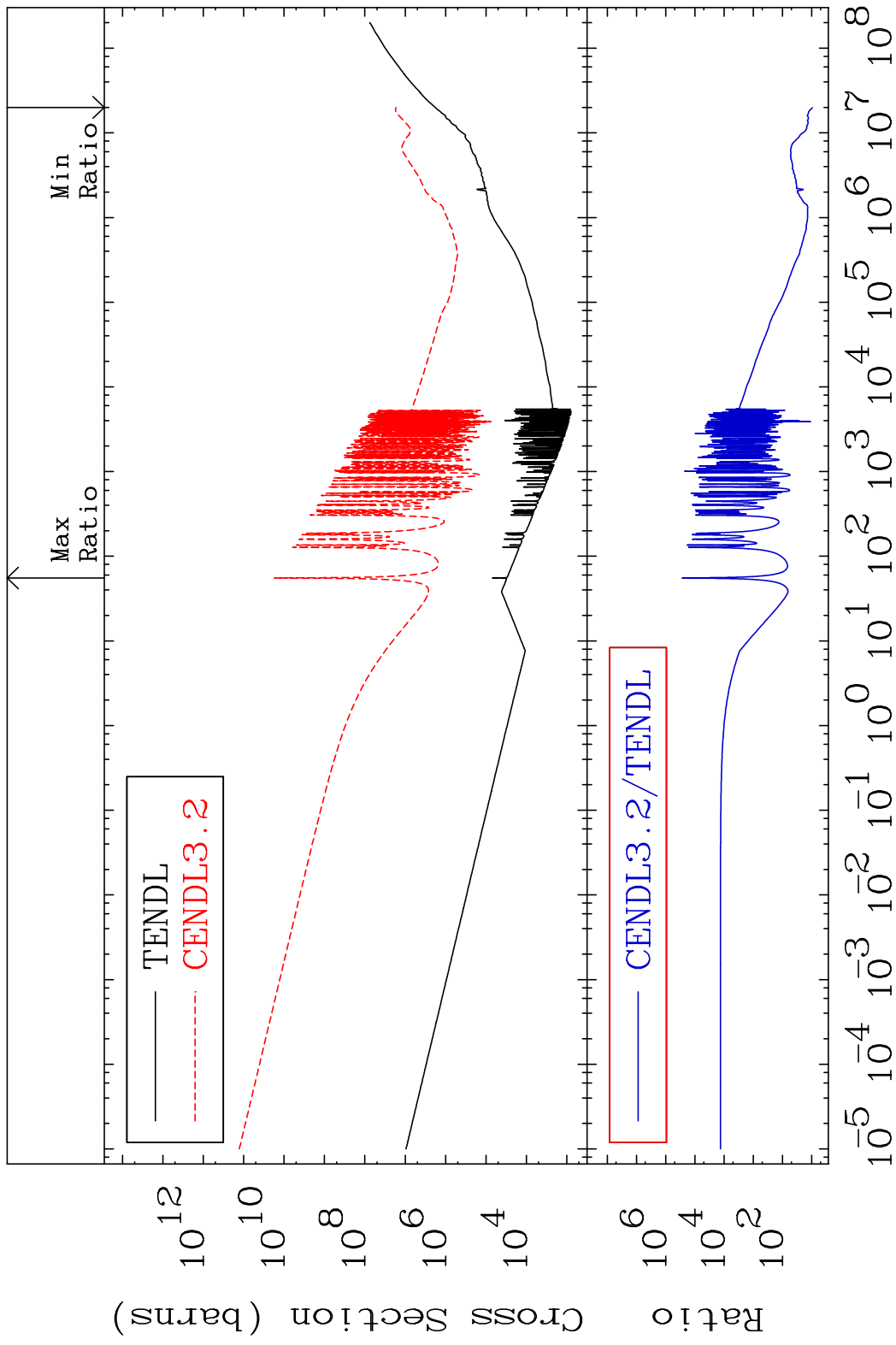
60-Nd-143

MAT 6028 He-4 Production Cross Section 60-Nd-143
 -92.23 To 830.5 %



Incident Energy (eV) 60-Nd-143

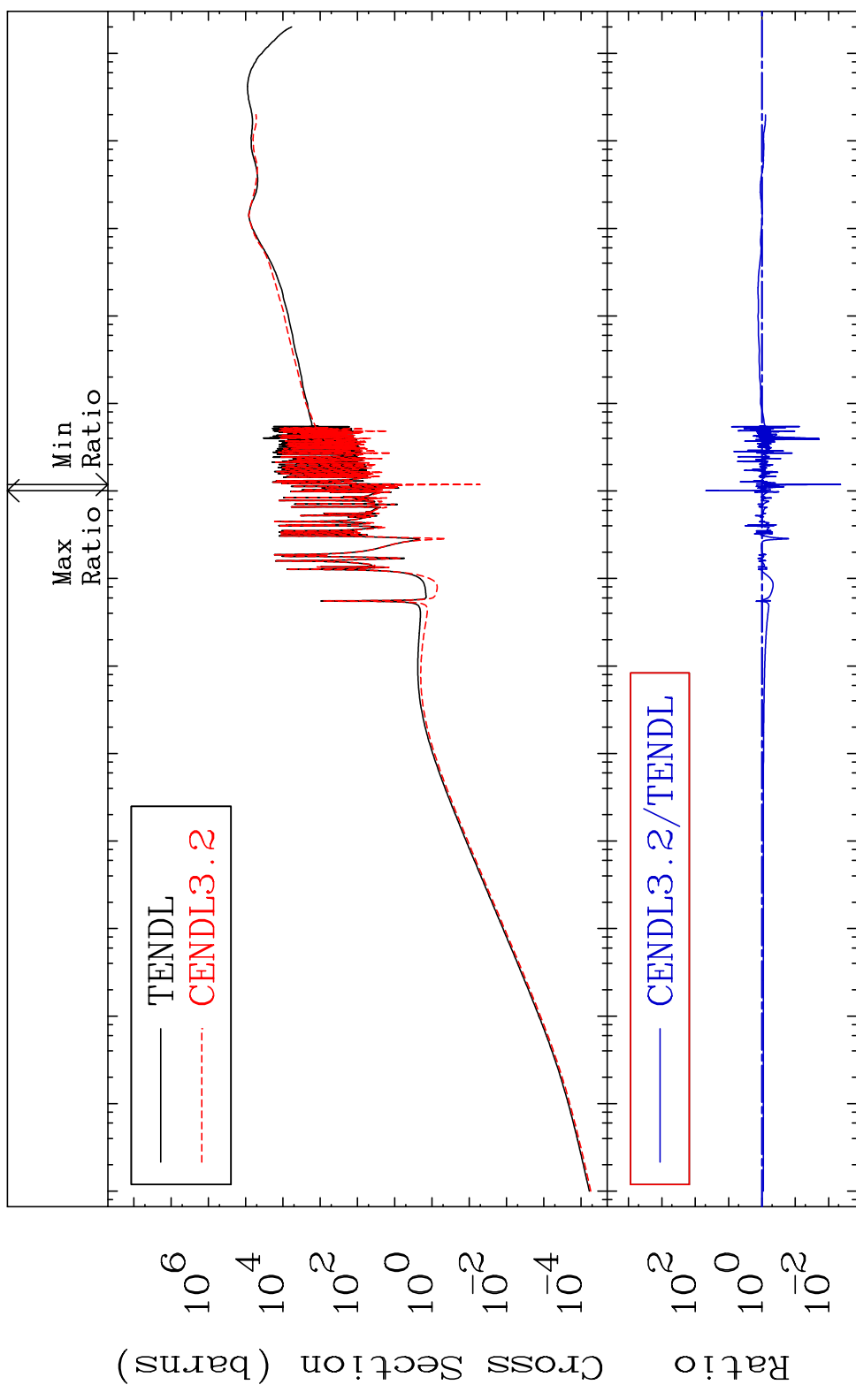
MAT 6028 Kerma total (eV-barns) 60-Nd-143
 Cross Section 840.3 To 9999. %



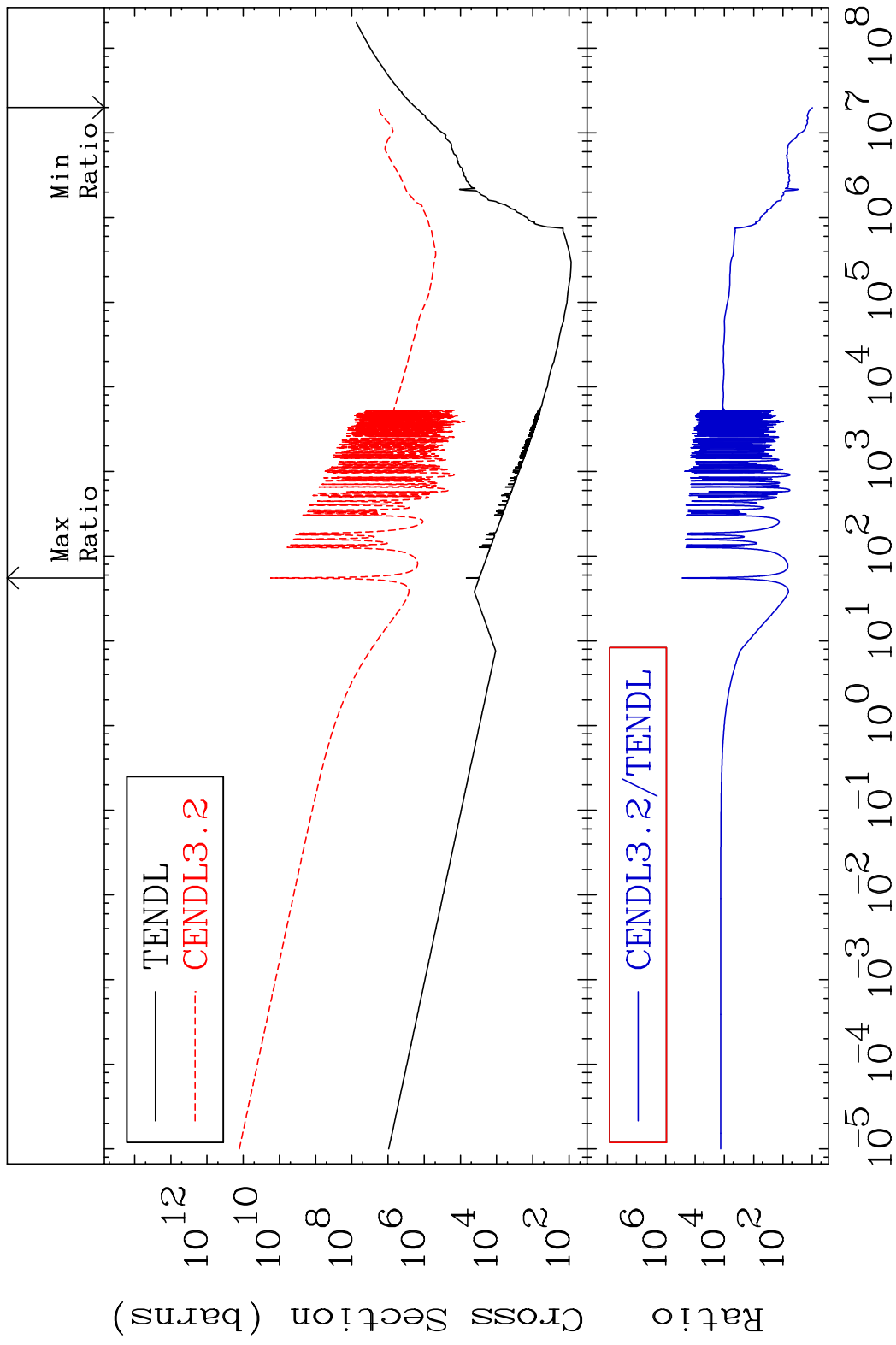
MAT 6028

Kerma elastic
Cross Section -99.56 To 4723. %

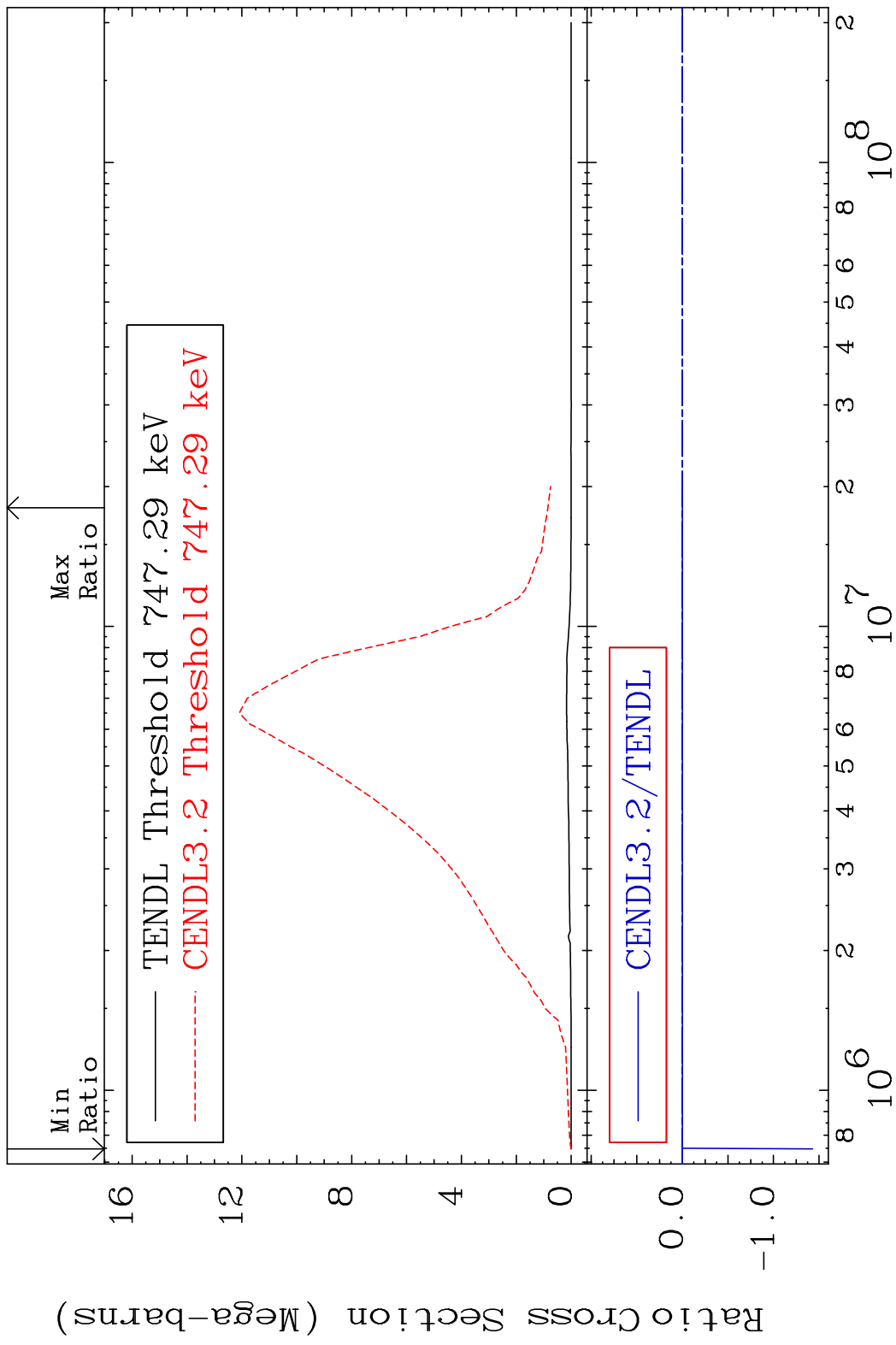
60-Nd-143



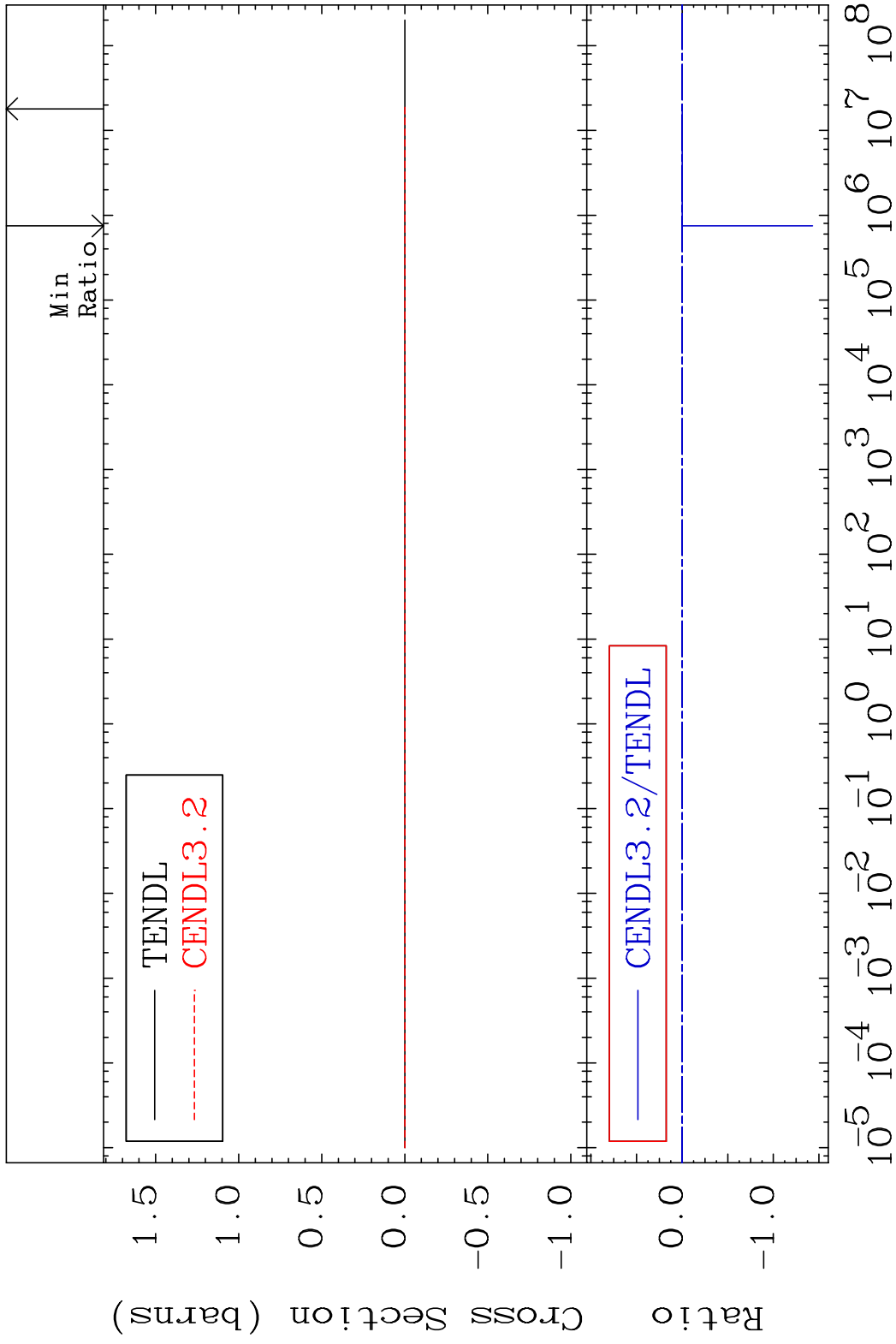
MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143
 Cross Section 873.6 To 9999. %



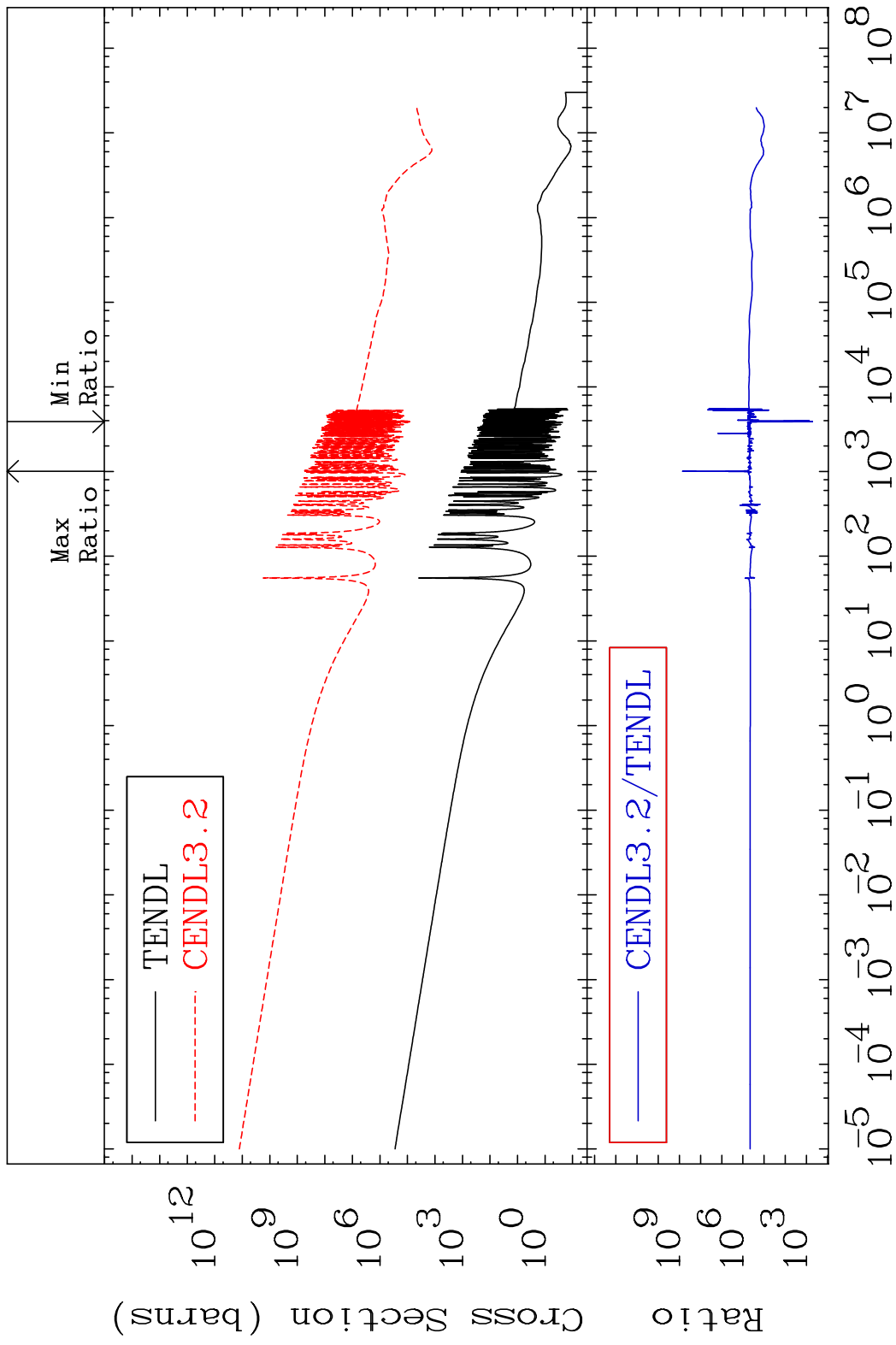
MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143
 Cross Section -9999. To 9999. %



MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143
 Cross Section -9999. To 9999. %

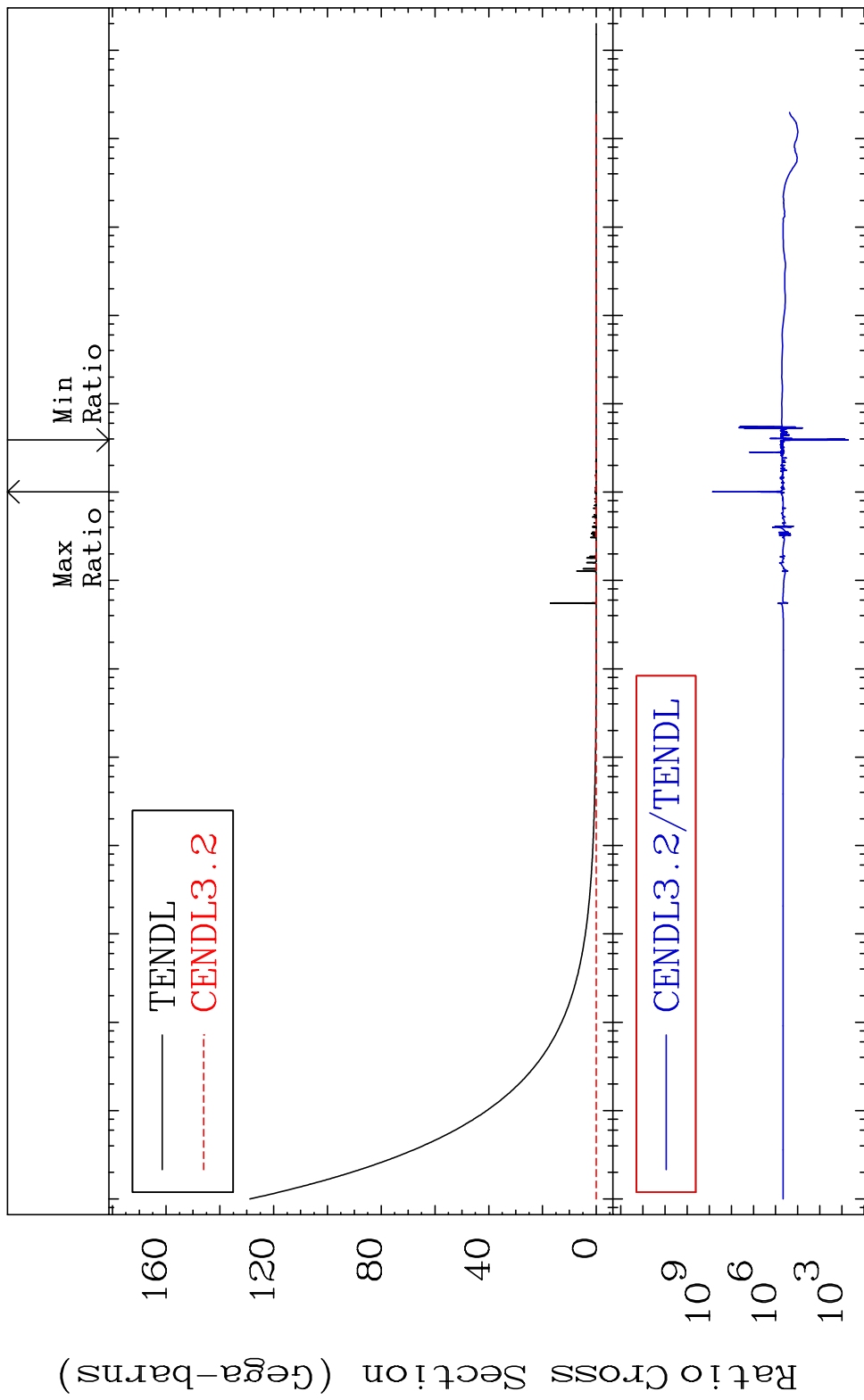


MAT 6028 Kerma capture (mt102) 60-Nd-143
 Cross Section 9999. To 9999. %



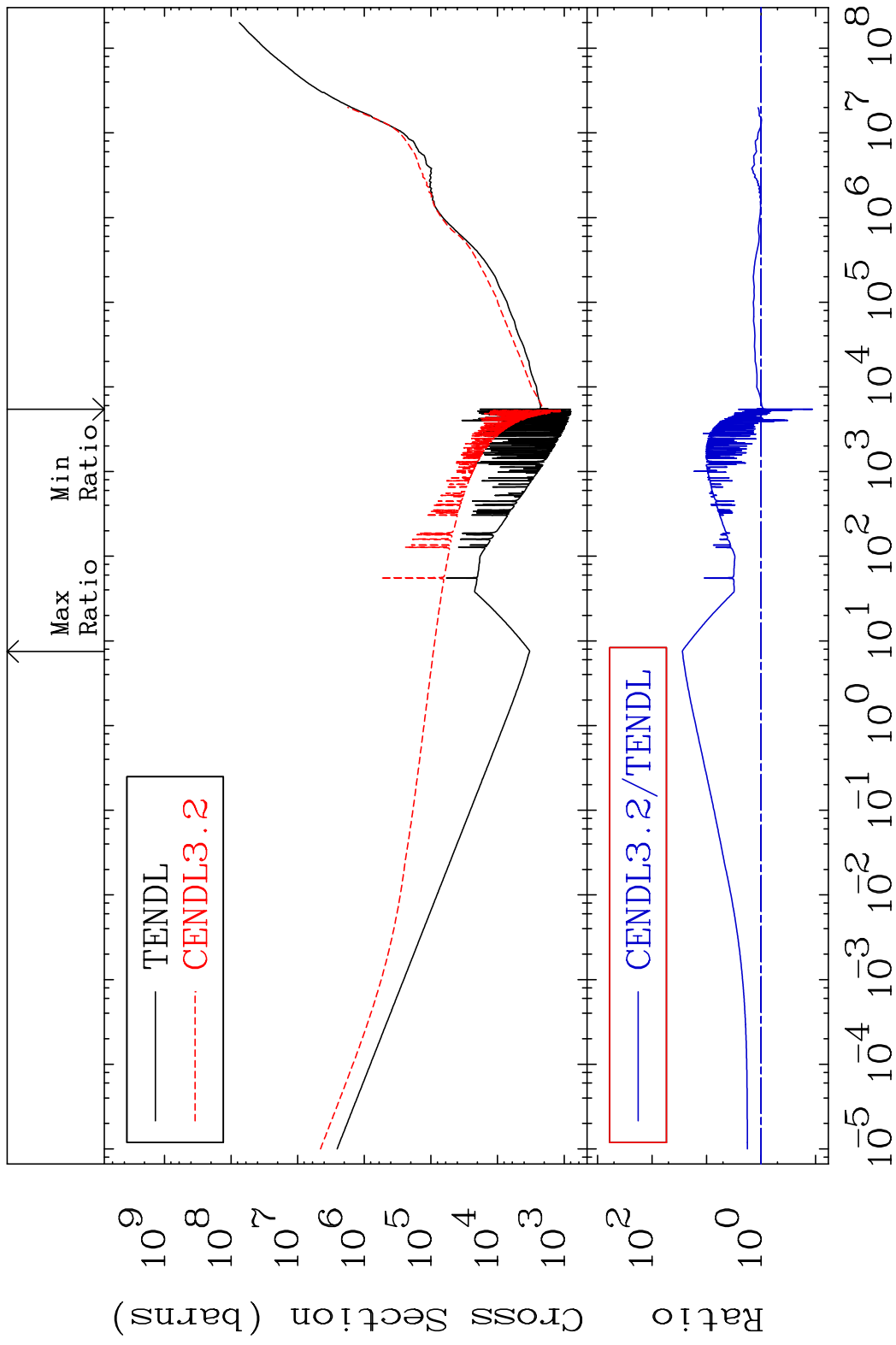
39 Incident Energy (eV) 60-Nd-143

MAT 6028 Total photon (eV-barns) 60-Nd-143
 Cross Section 9999. To 9999. %

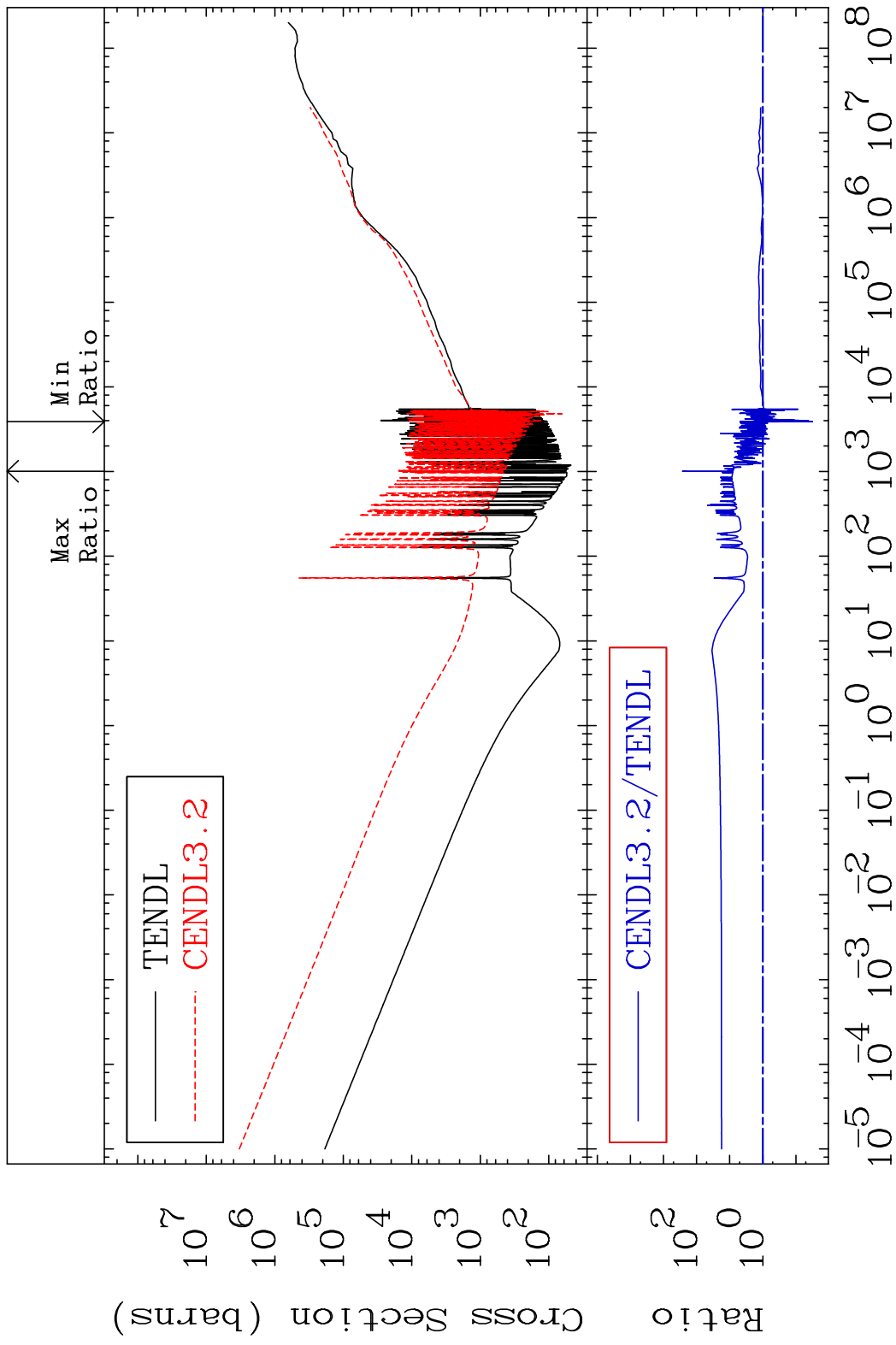


40 Incident Energy (eV) 60-Nd-143

MAT 6028 Total kinematic kerma (high limit) 60-Nd-143
 Cross Section -88.68 To 2671. %



MAT 6028 Dpa total (eV-barns) 60-Nd-143
 Cross Section -96.86 To 9999. %

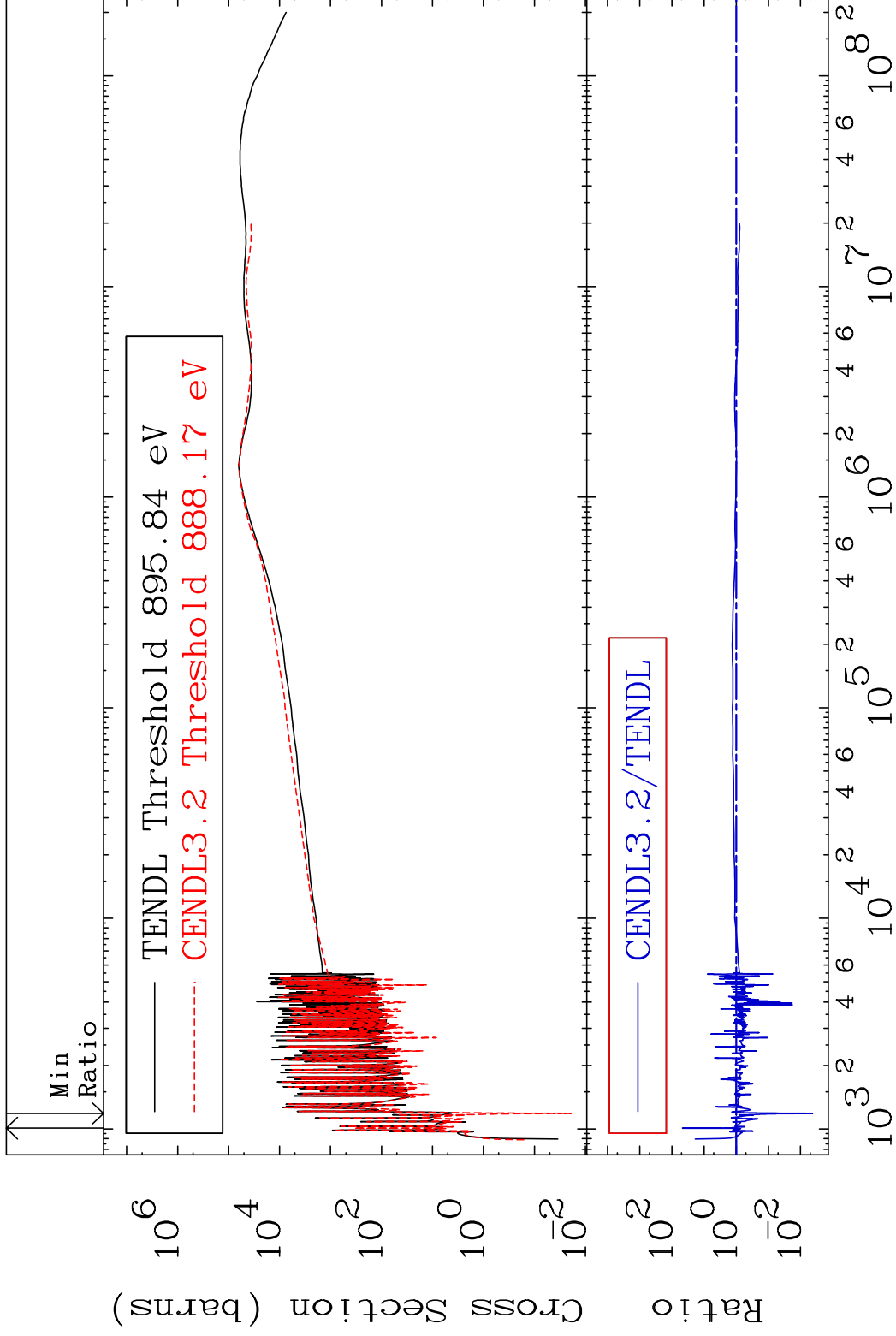


MAT 6028

Dpa elastic (mt2)

60-Nd-143

Cross Section -99.57 To 4702. %

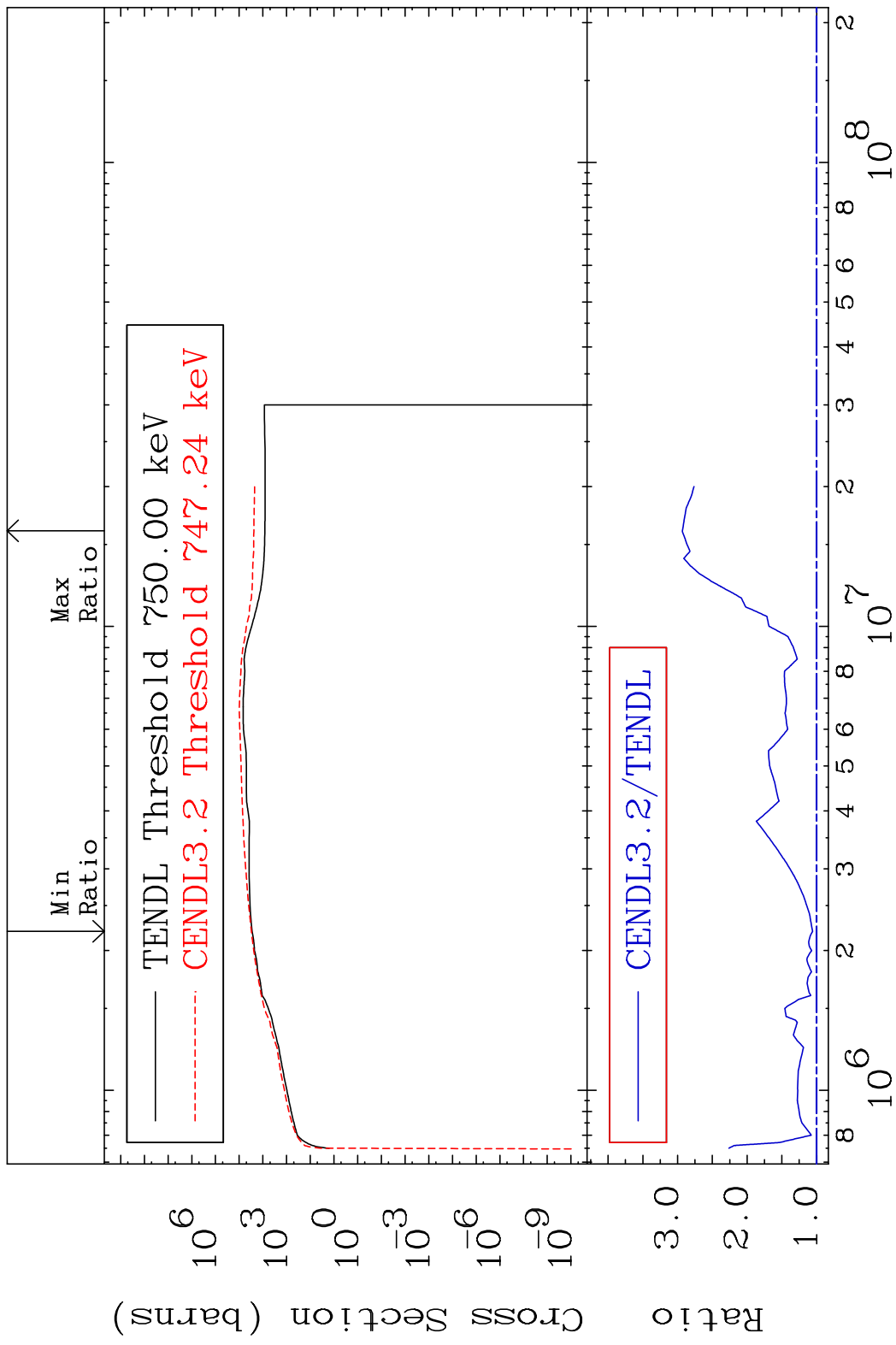


43

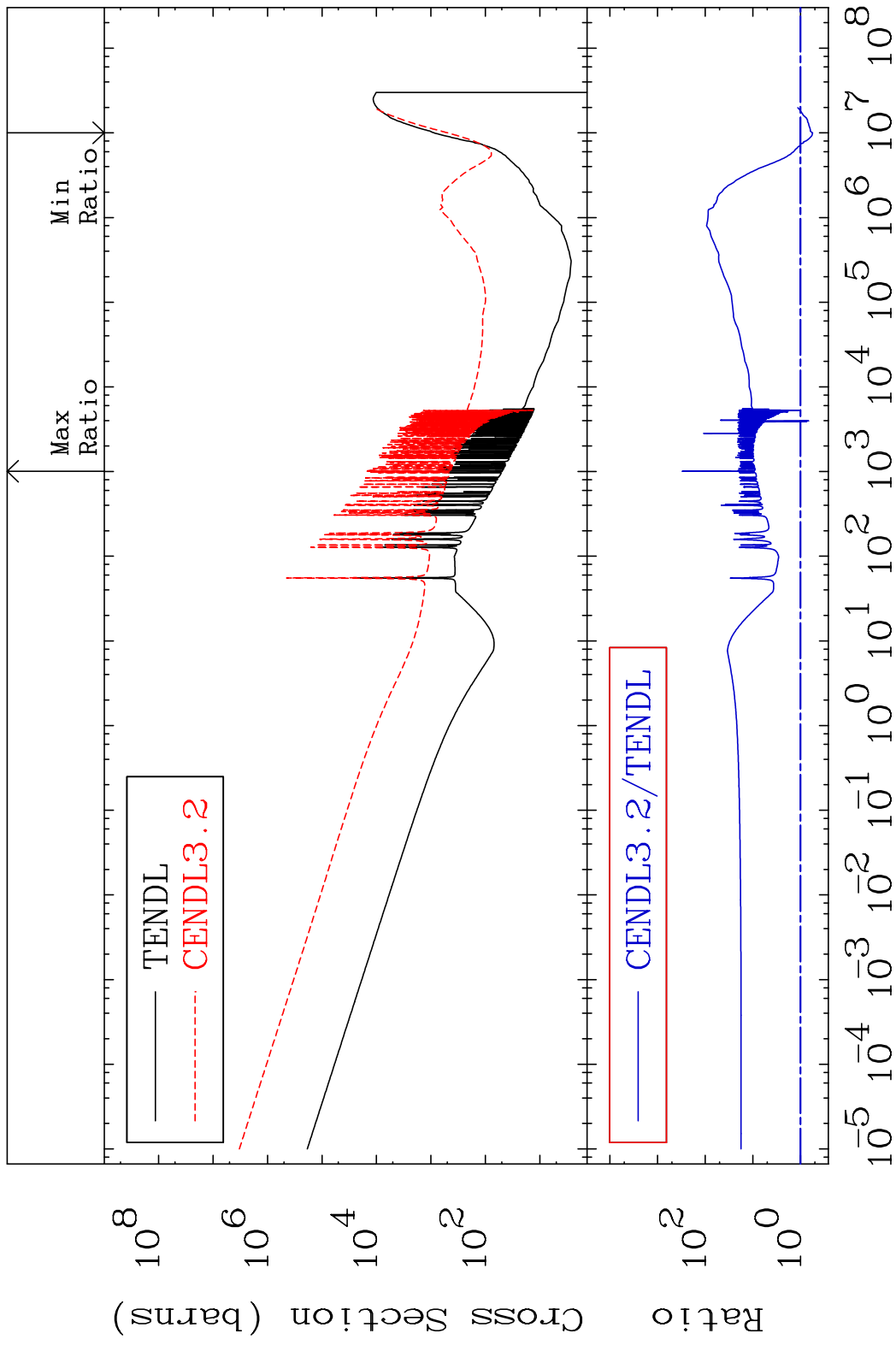
Incident Energy (eV)

60-Nd-143

MAT 6028 Dpa inelastic (mt51-91) 60-Nd-143
 Cross Section 5.823 To 193.1 %

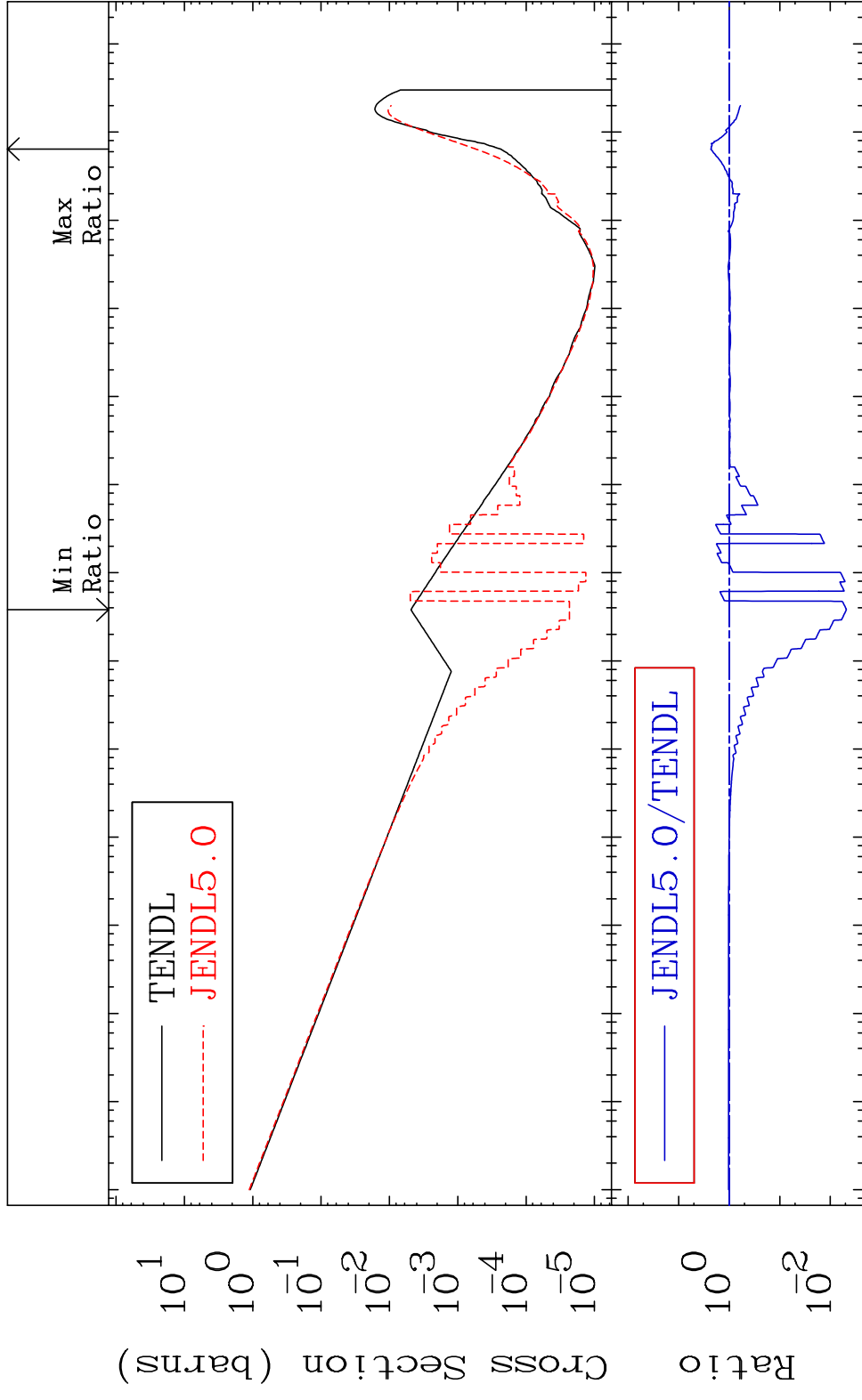


MAT 6028 Dpa disappearance (mt102 -120) 60-Nd-143
 Cross Section -44.02 To 9999. %

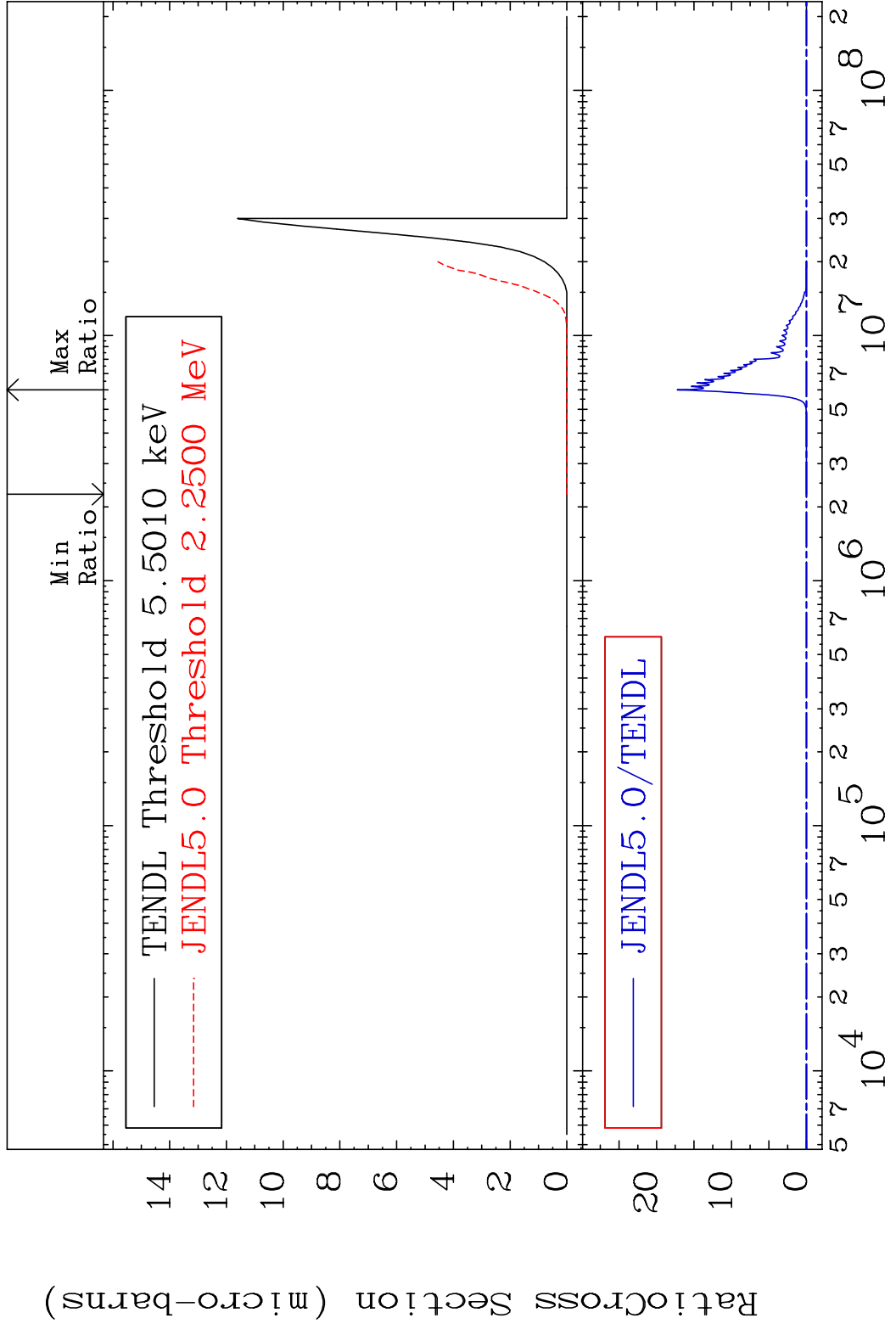


MAT 6028

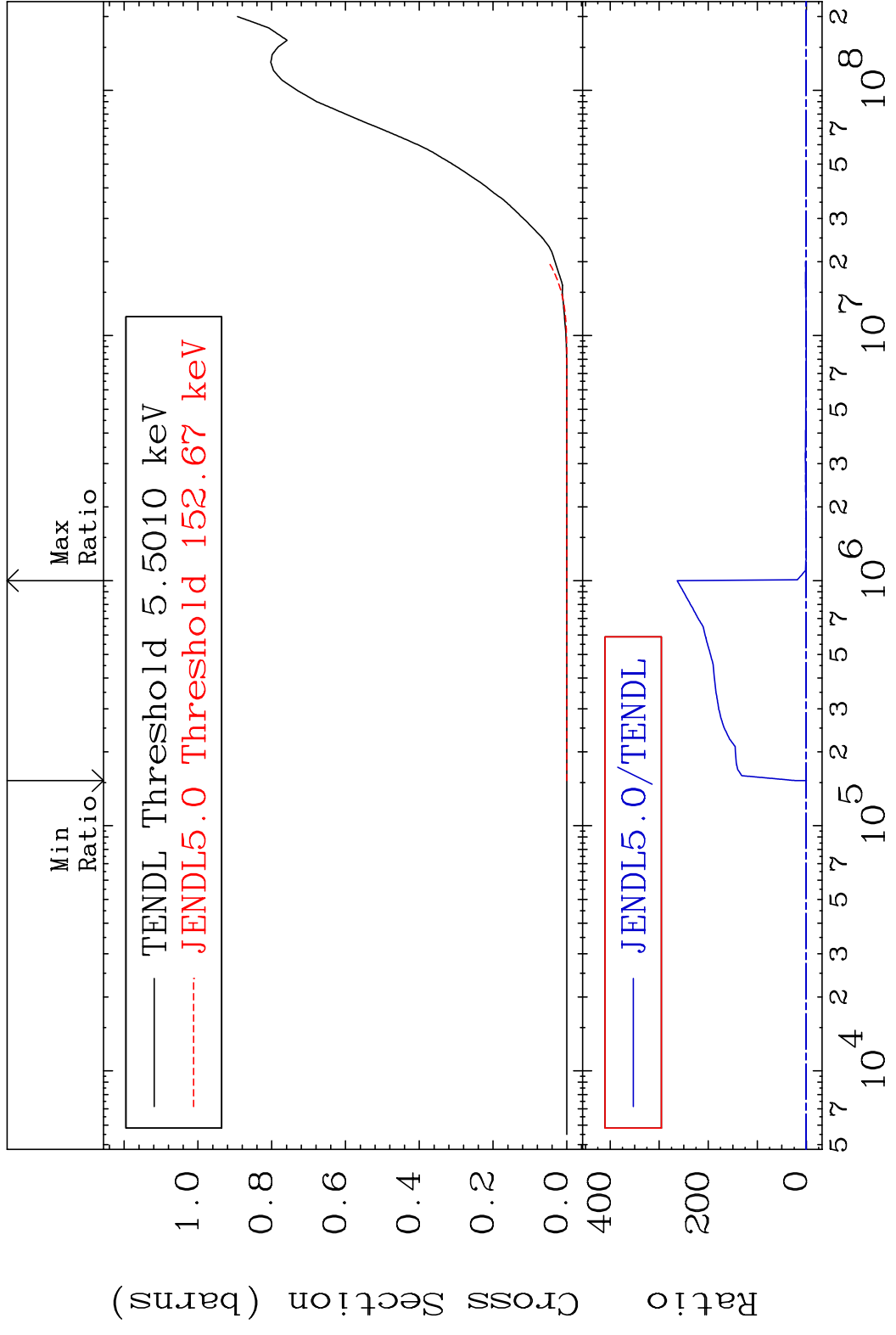
(n, α)
Cross Section -99.52 To 132.2 %
60-Nd-143



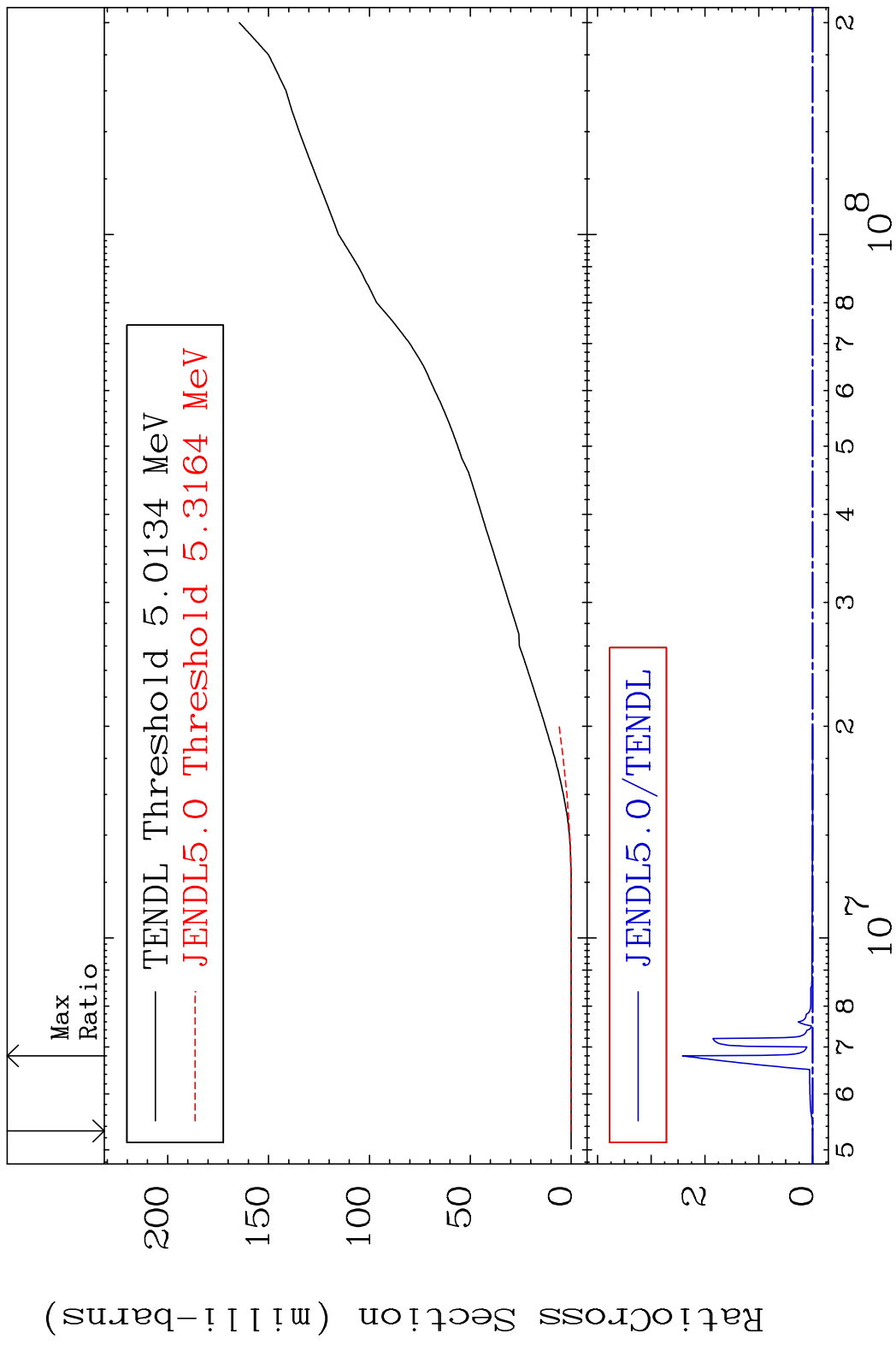
MAT 6028 (n,p) α 60-Nd-143
 Cross Section -100.0 To 9999. %



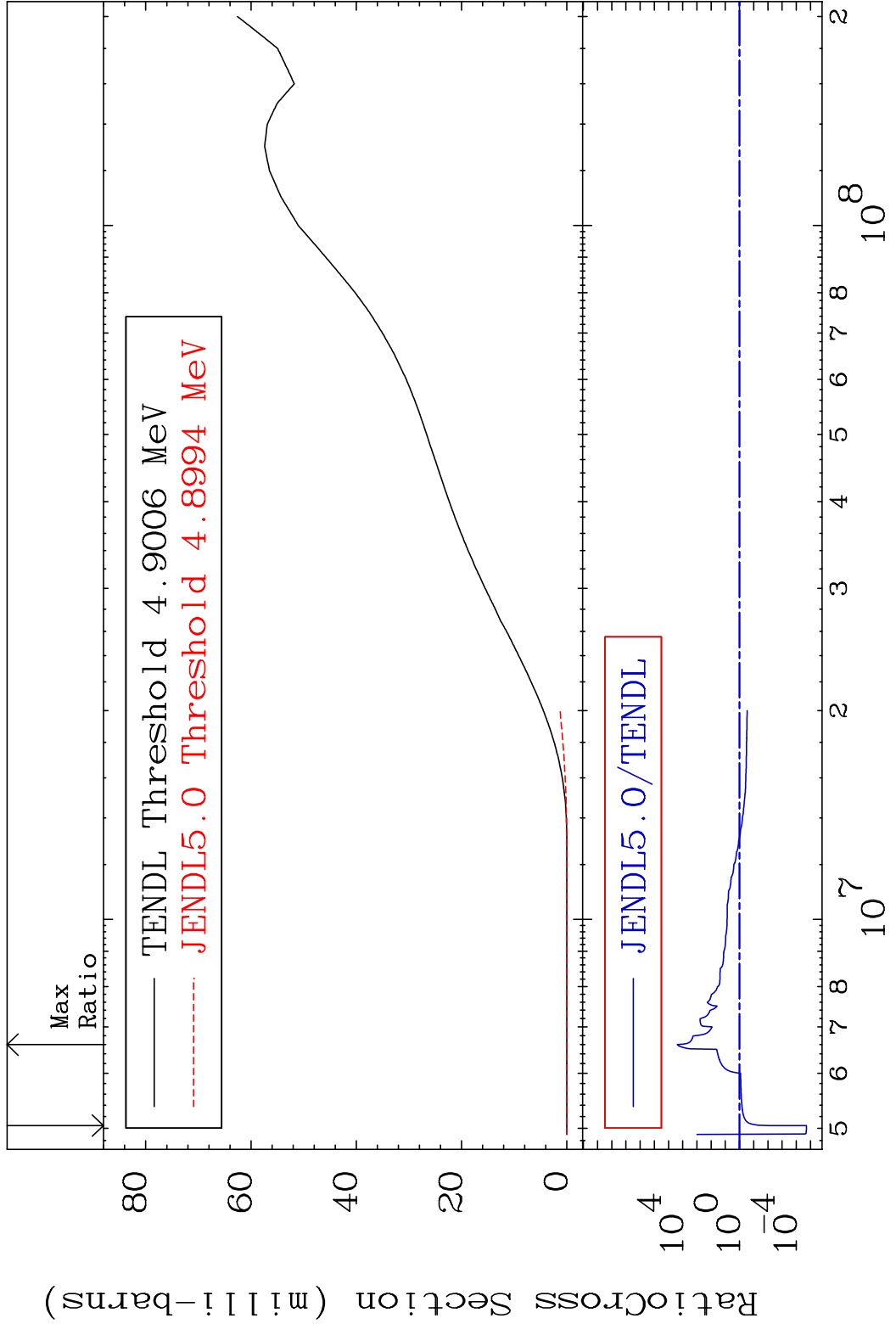
MAT 6028 Hydrogen Production 60-Nd-143
 Cross Section -100.0 To 9999. %



MAT 6028 Deuterium Production 60-Nd-143
 Cross Section -100.0 To 9999. %



MAT 6028 Tritium Production 60-Nd-143
 Cross Section -100.0 To 9999. %



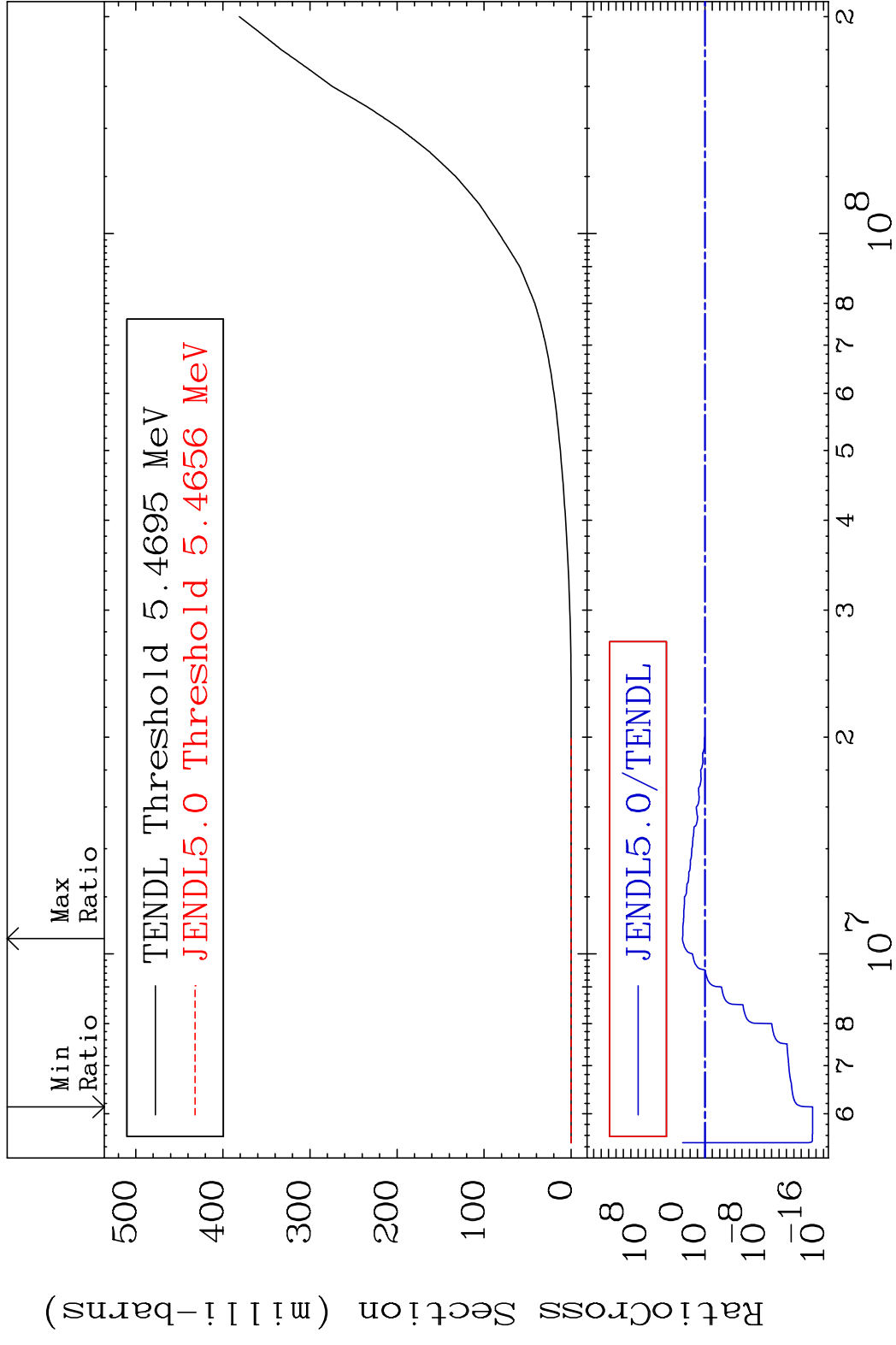
50 Incident Energy (eV) 60-Nd-143

MAT 6028

He-3 Production

60-Nd-143

Cross Section -100.0 To 9999. %

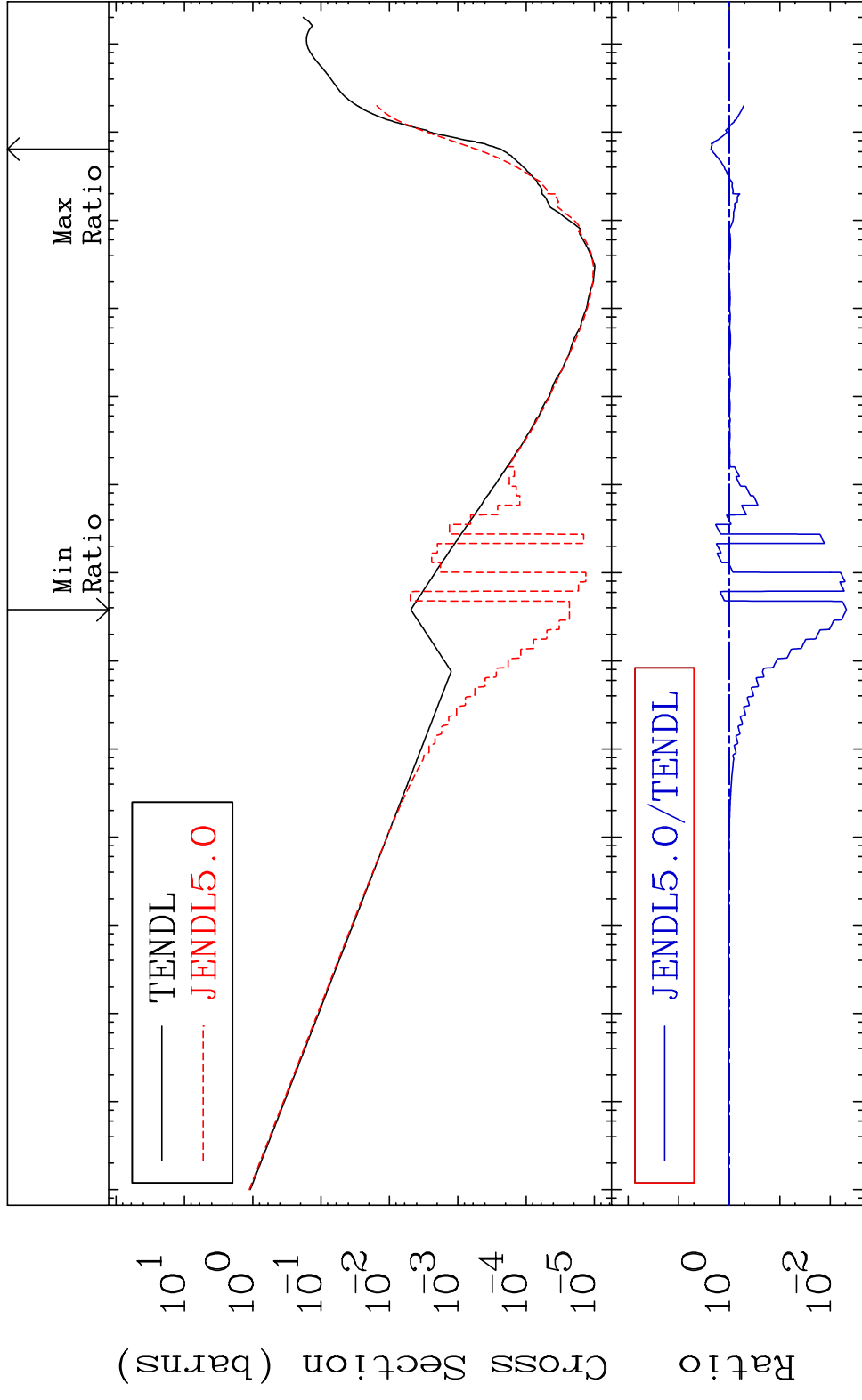


MAT 6028

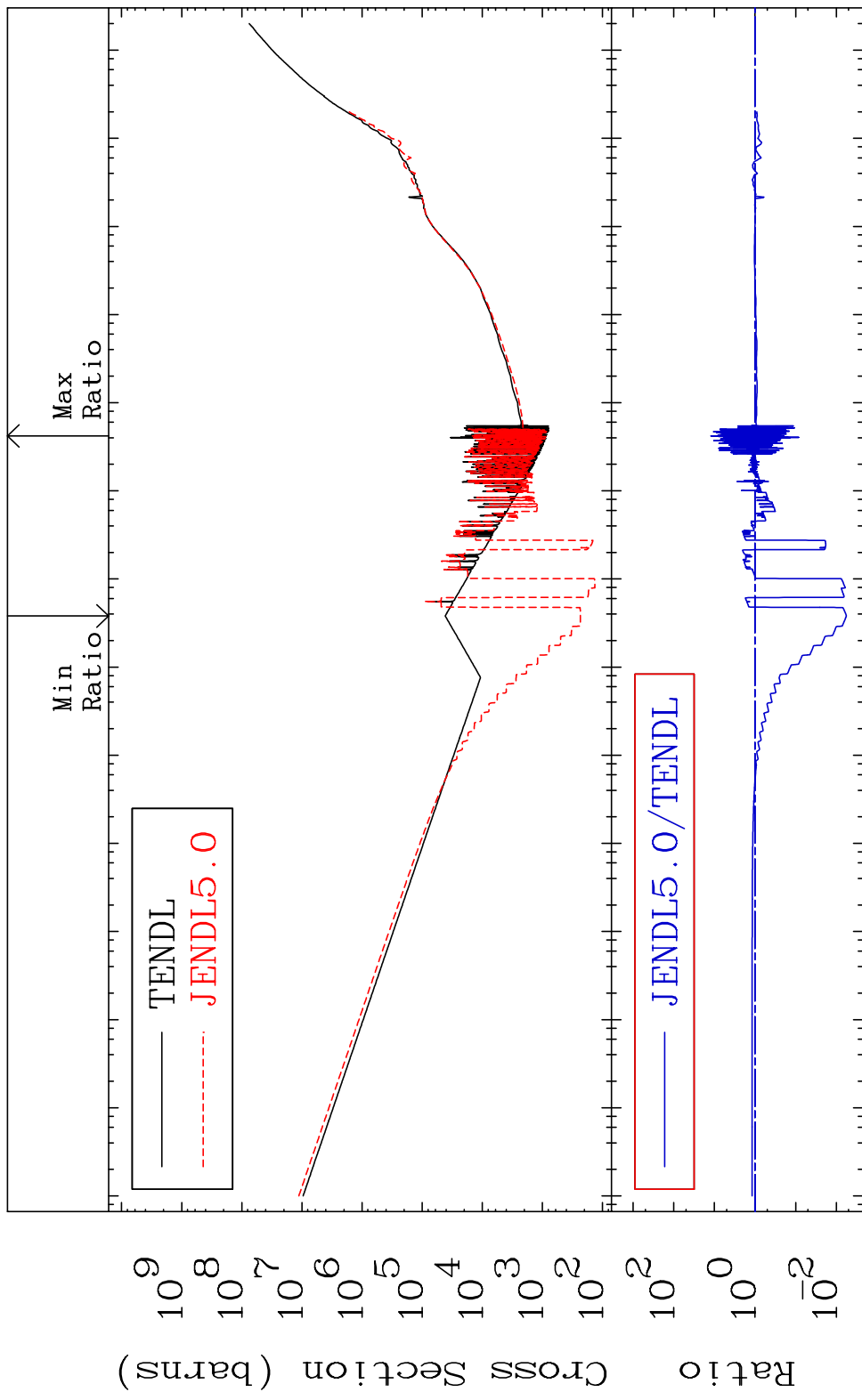
He-4 Production

60-Nd-143

Cross Section -99.52 To 132.2 %



MAT 6028 Kerma total (eV-barns) 60-Nd-143
 Cross Section -99.43 To 1133. %

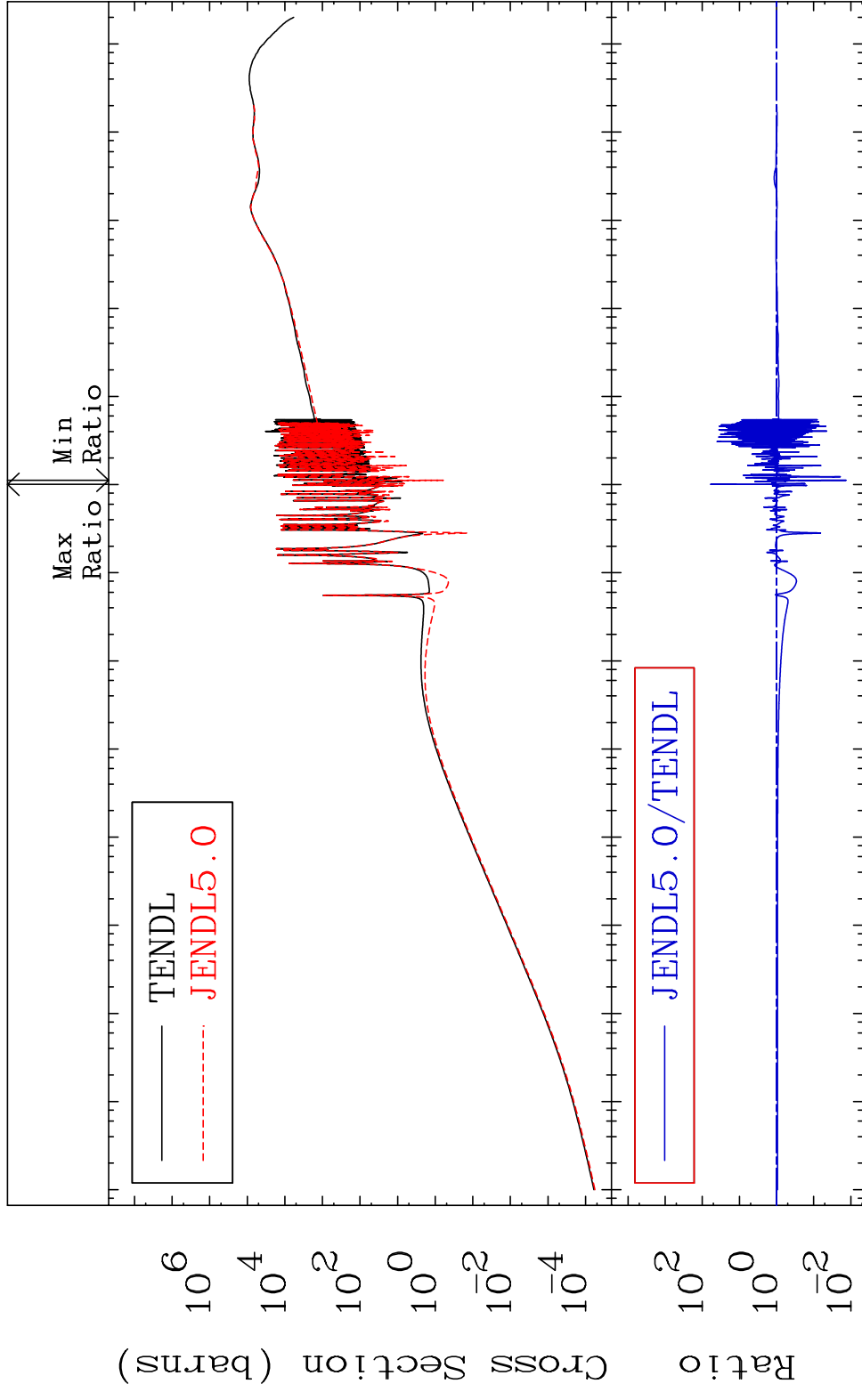


Ratio
 Cross Section (barns)
 Incident Energy (eV)

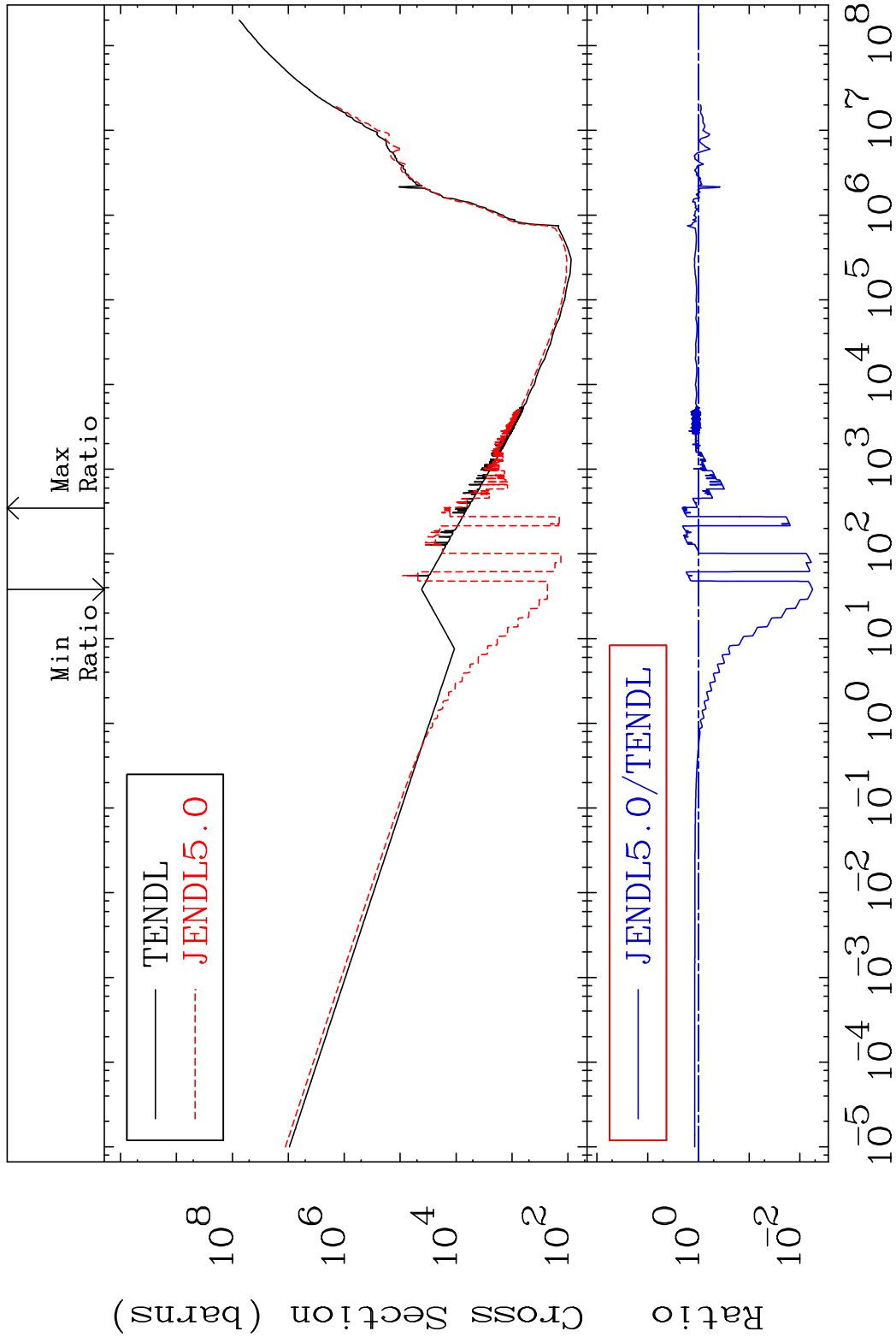
MAT 6028

Kerma elastic
Cross Section

60-Nd-143
-98.68 To 5825. %

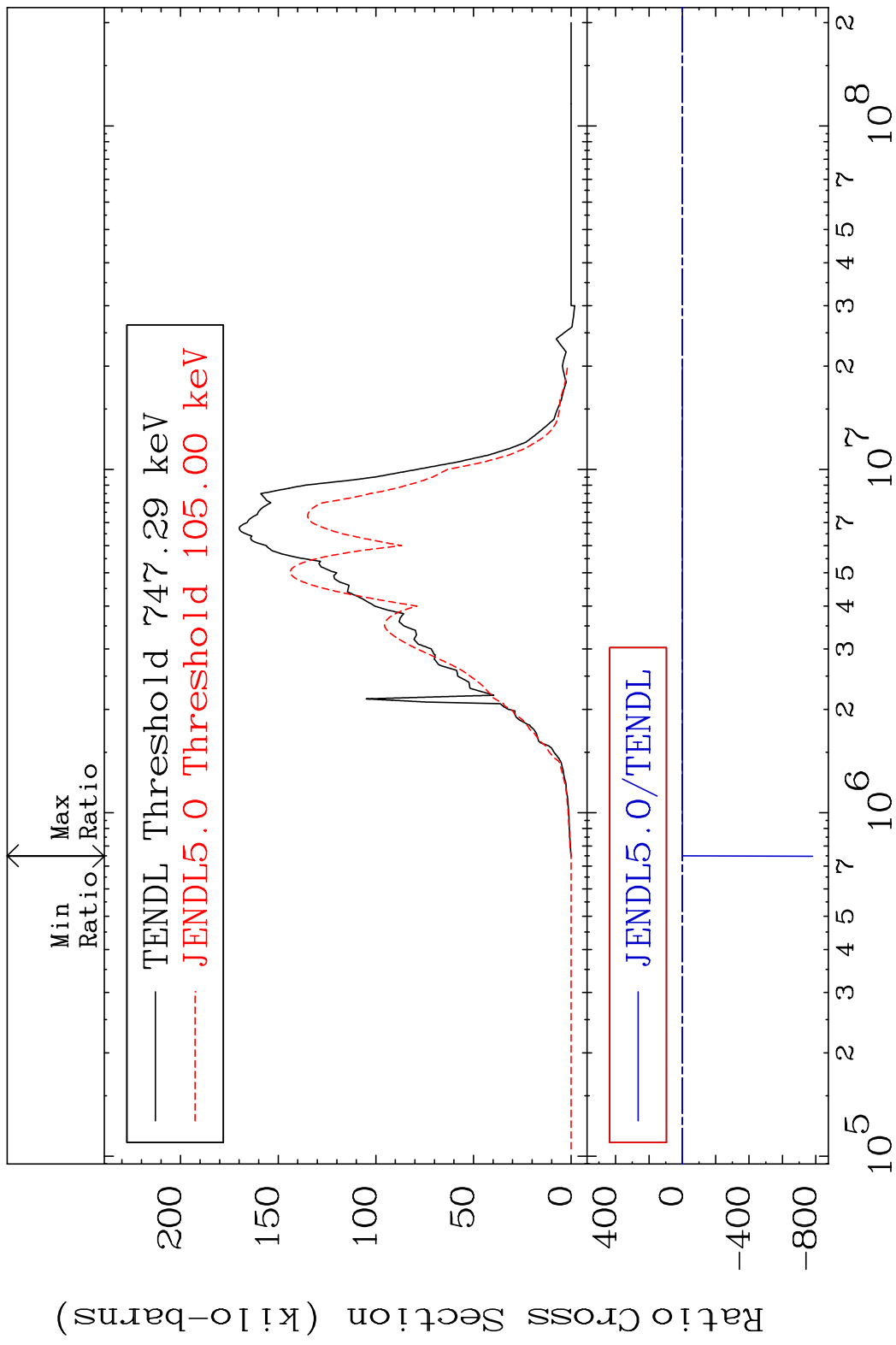


MAT 6028 Kerma non-elastic (all but mt2) 60-Nd-143
 Cross Section -99.44 To 107.3 %

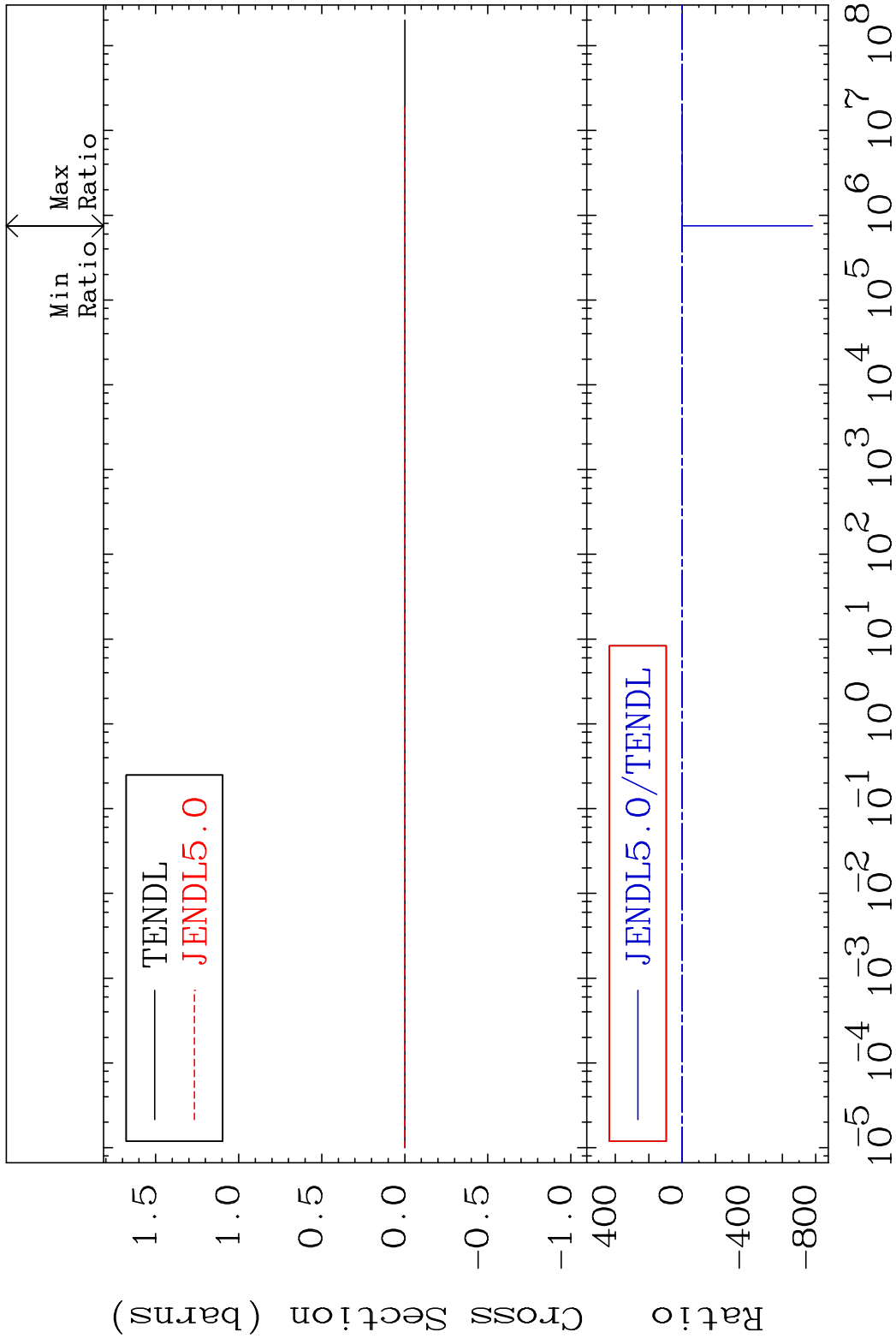


55 Incident Energy (eV) 60-Nd-143

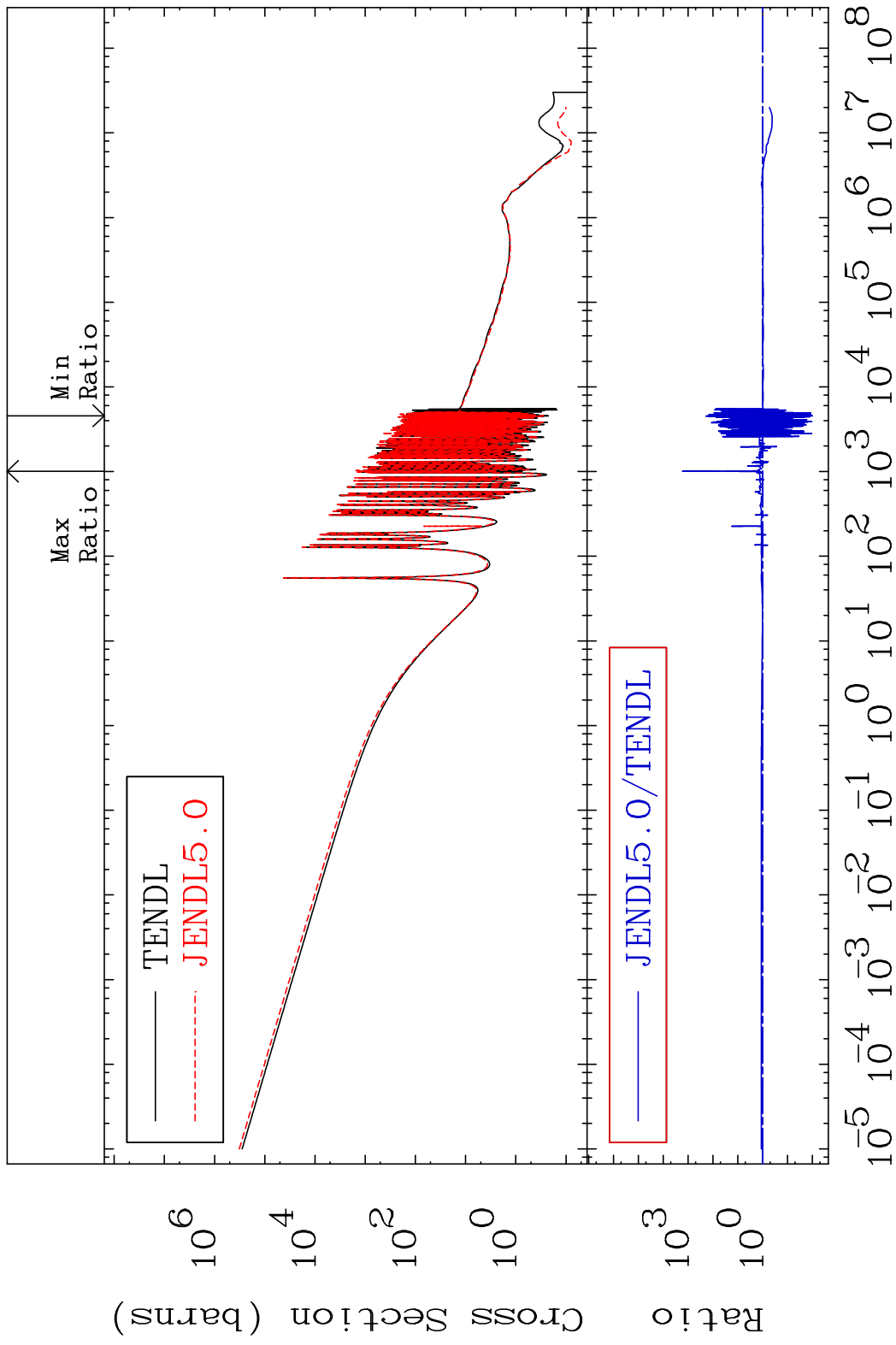
MAT 6028 Kerma inelastic (mt51-91) 60-Nd-143
 Cross Section -9999. To 337.4 %



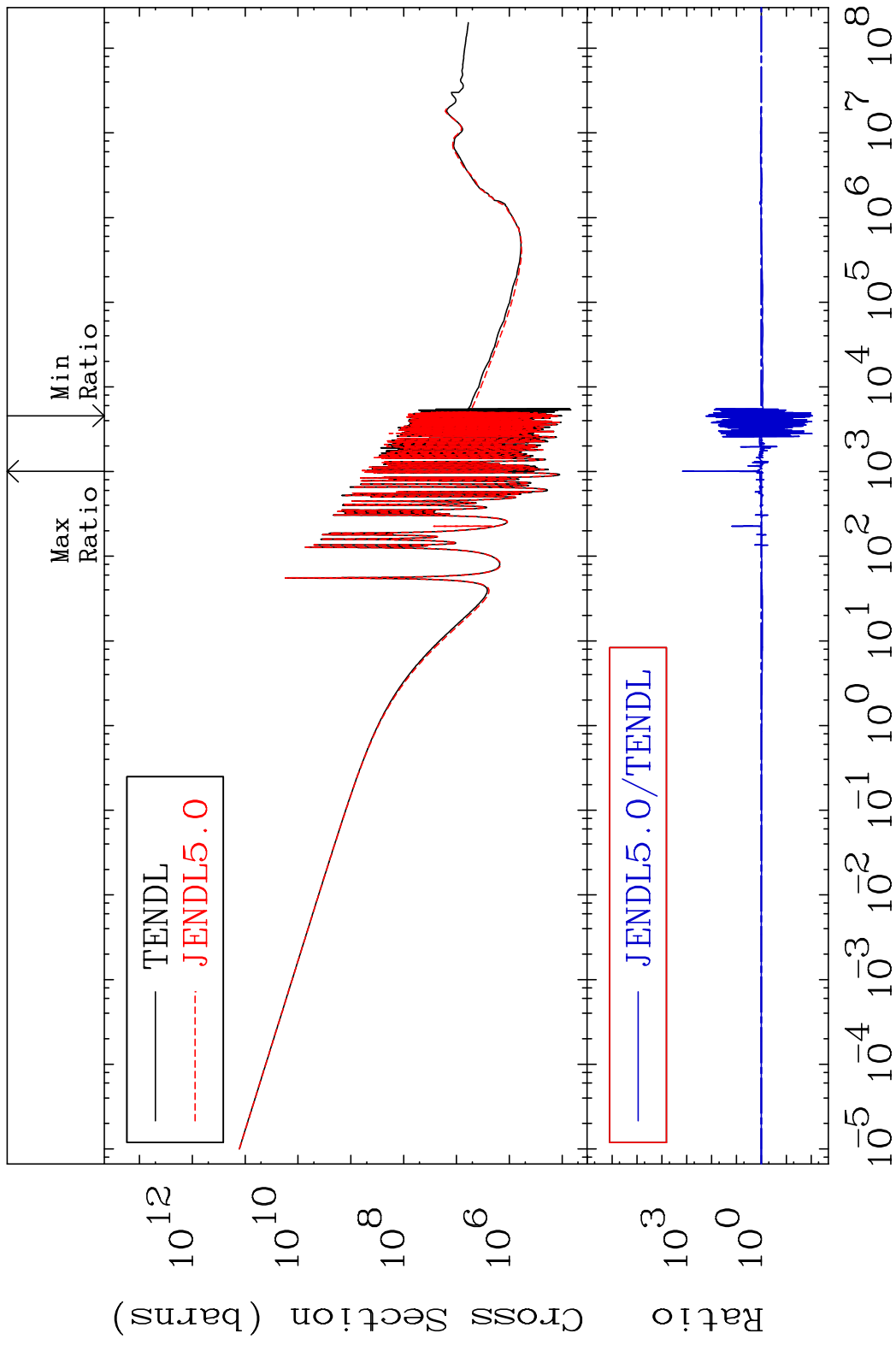
MAT 6028 Kerma fission (mt18 or mt19-20-21-38) 60-Nd-143
 Cross Section -9999. To 337.4 %



MAT 6028 Kerma capture (mt102) 60-Nd-143
 Cross Section -99.02 To 9999. %

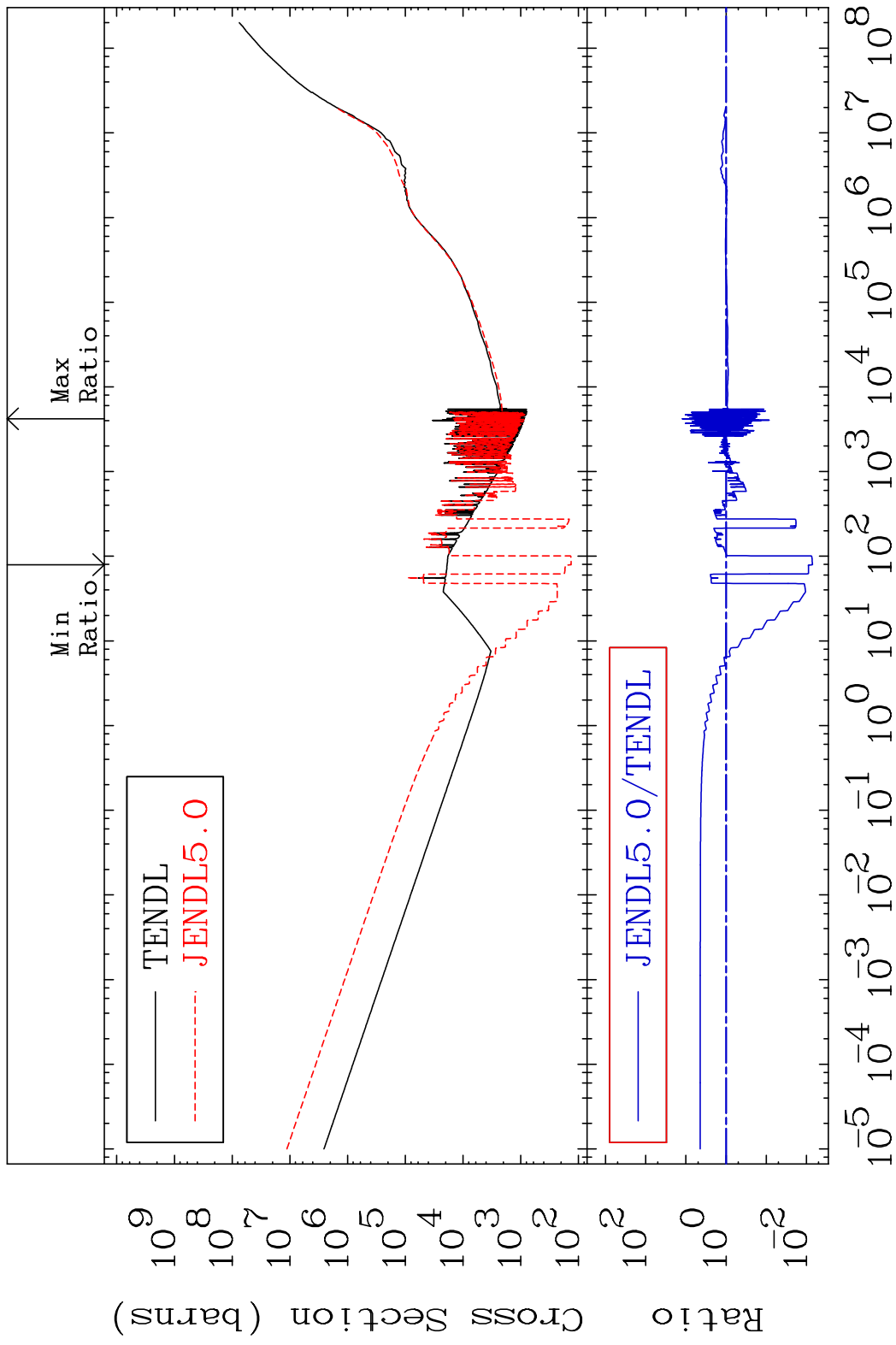


MAT 6028 Total photon (eV-barns) 60-Nd-143
Cross Section -99.12 To 9999. %

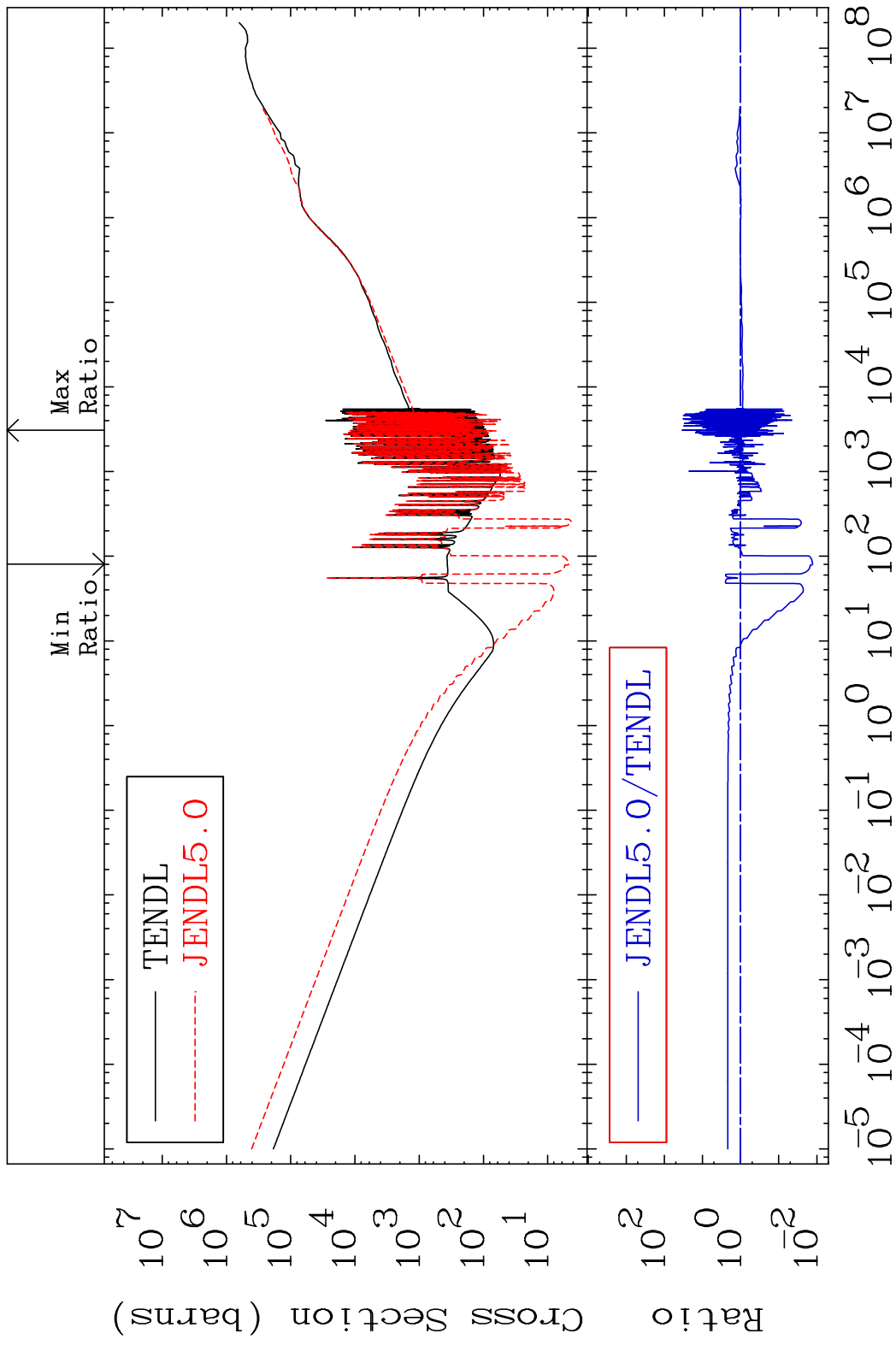


59 Incident Energy (eV) 60-Nd-143

MAT 6028 Total kinematic kerma (high limit) 60-Nd-143
Cross Section -99.29 To 1127. %



MAT 6028 Dpa total (eV-barns) 60-Nd-143
 Cross Section -98.70 To 3275. %

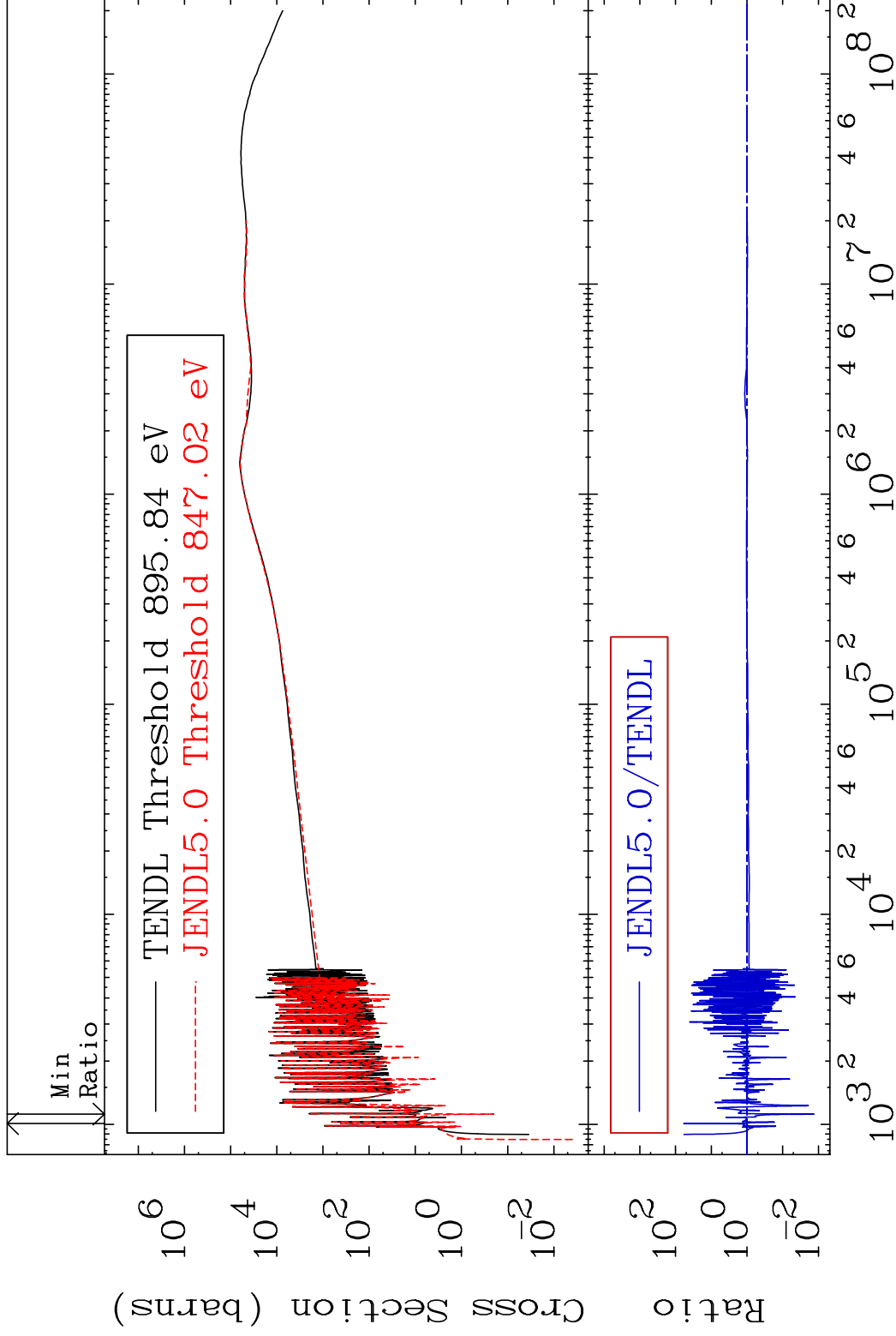


MAT 6028

Dpa elastic (mt2)

60-Nd-143

Cross Section -98.68 To 5824. %

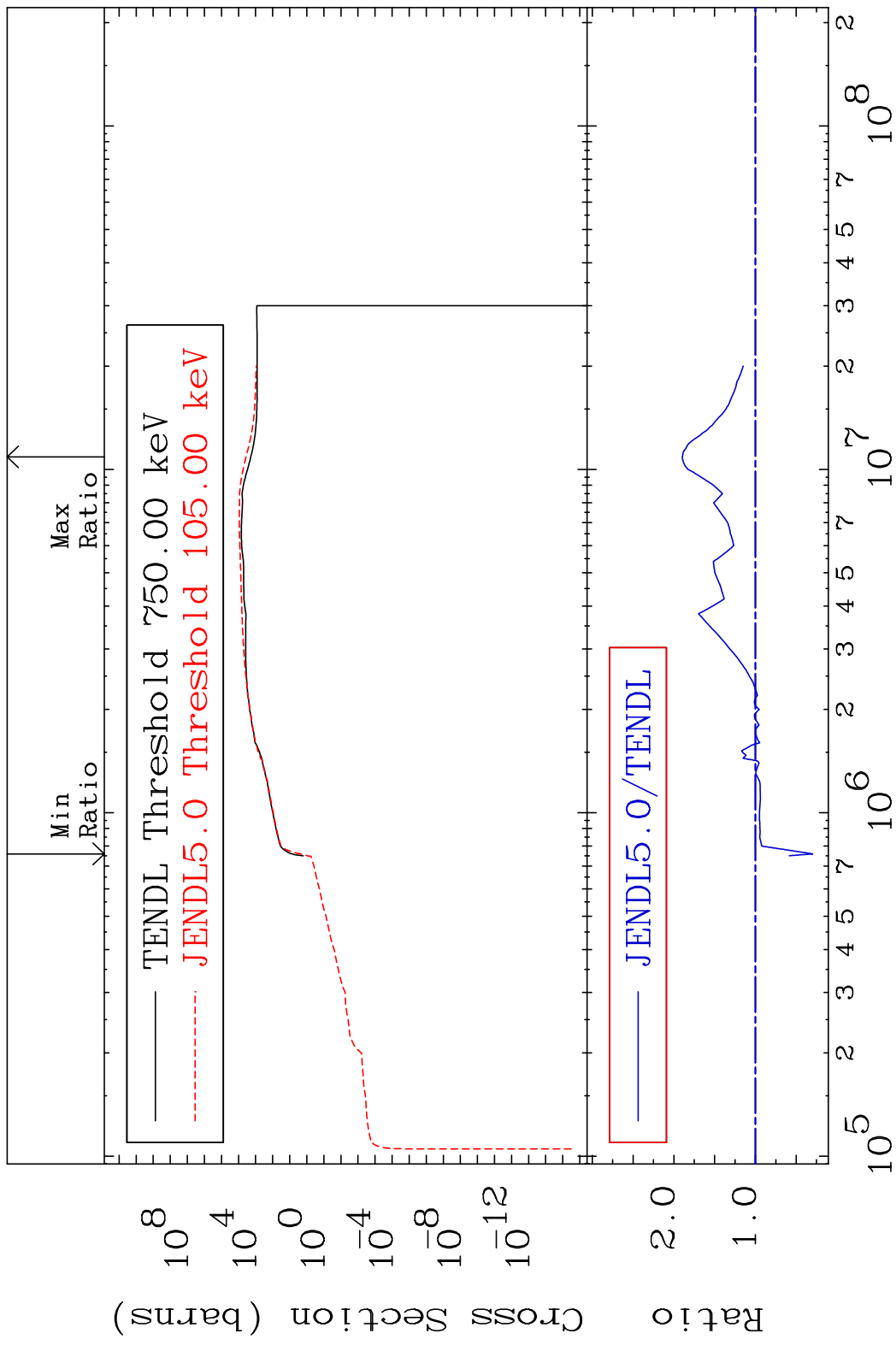


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Incident Energy (eV)

60-Nd-143

MAT 6028 Dpa inelastic (mt51-91) 60-Nd-143
 Cross Section -70.06 To 89.57 %



63 Incident Energy (eV) 60-Nd-143

MAT 6028 Dpa disappearance (mt102 -120) 60-Nd-143
 Cross Section -98.70 To 1626. %

