

Program Complot
(Version 2021-1)

by

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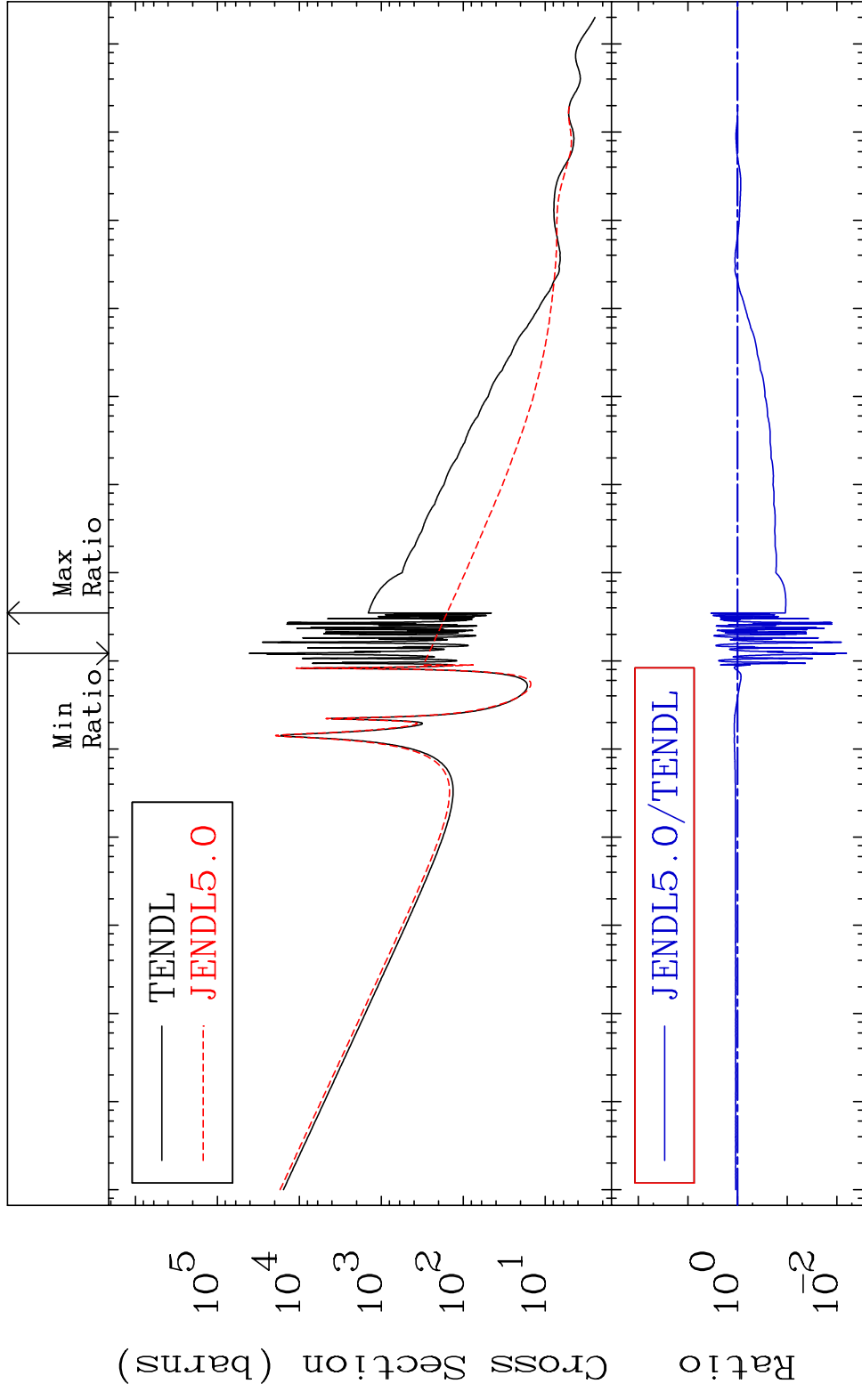
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6528

Total
Cross Section -99.35 To 248.1 %

65-Tb-160



1

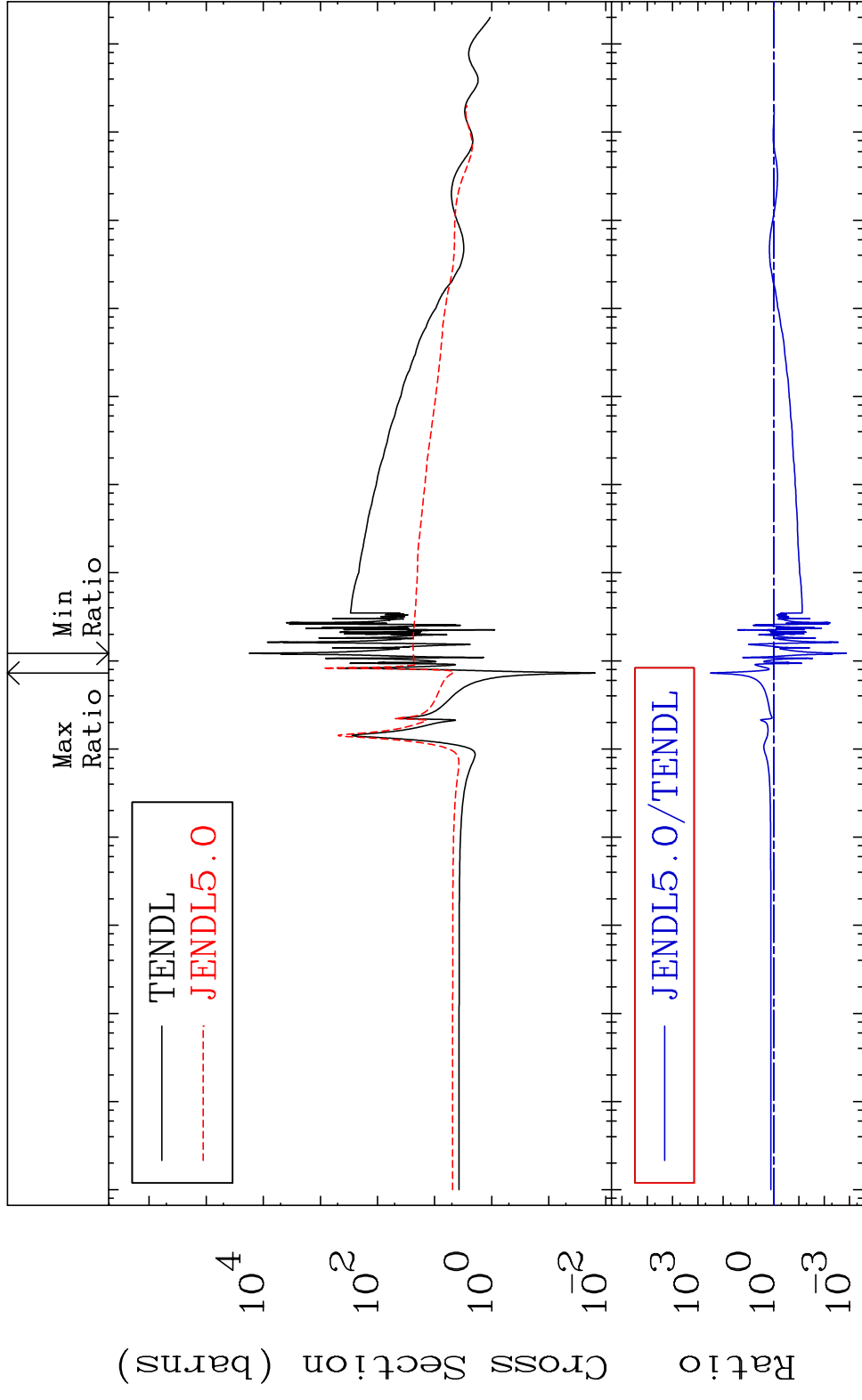
Incident Energy (eV)

65-Tb-160

MAT 6528

Elastic Cross Section -99.87 To 9999. %

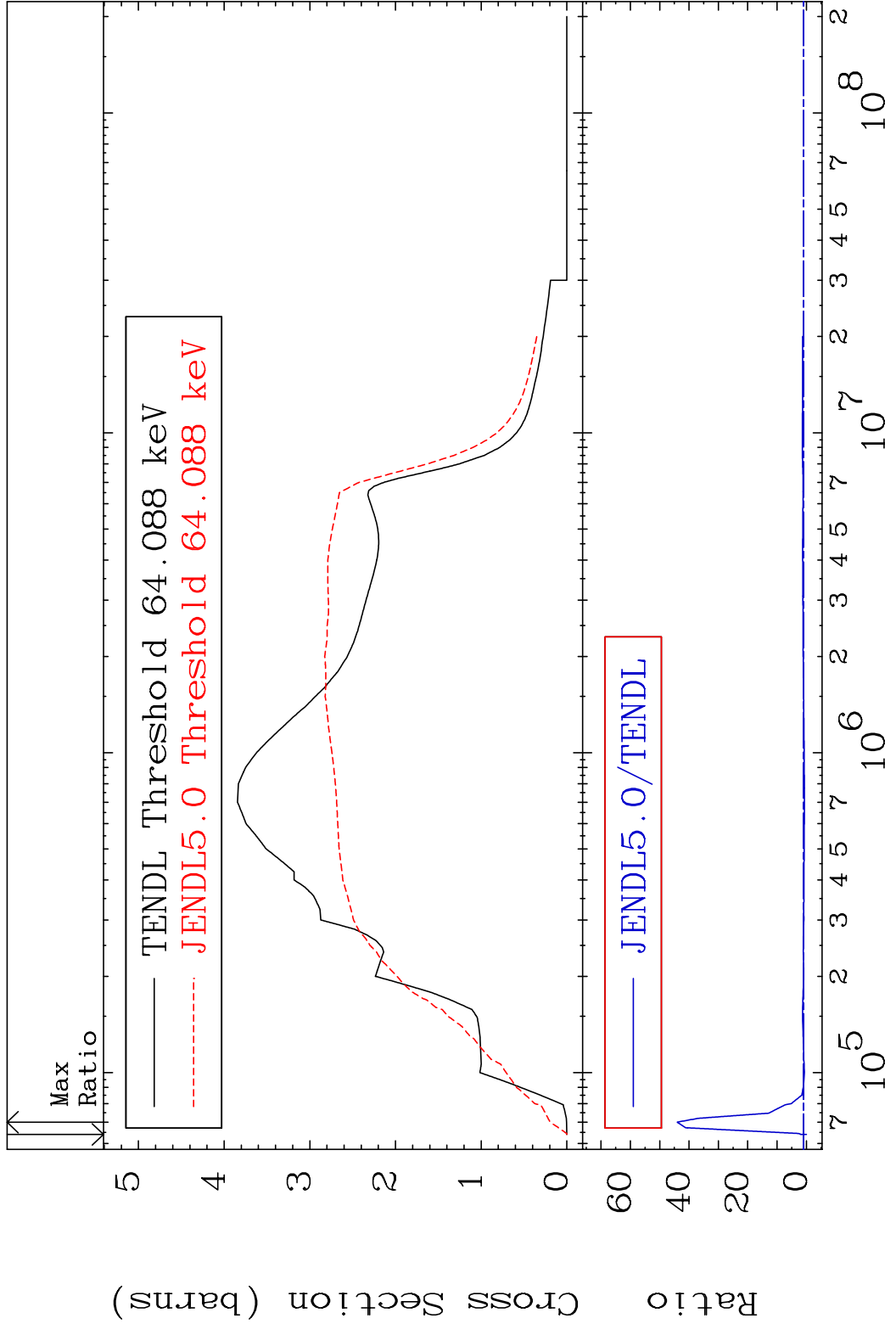
65-Tb-160



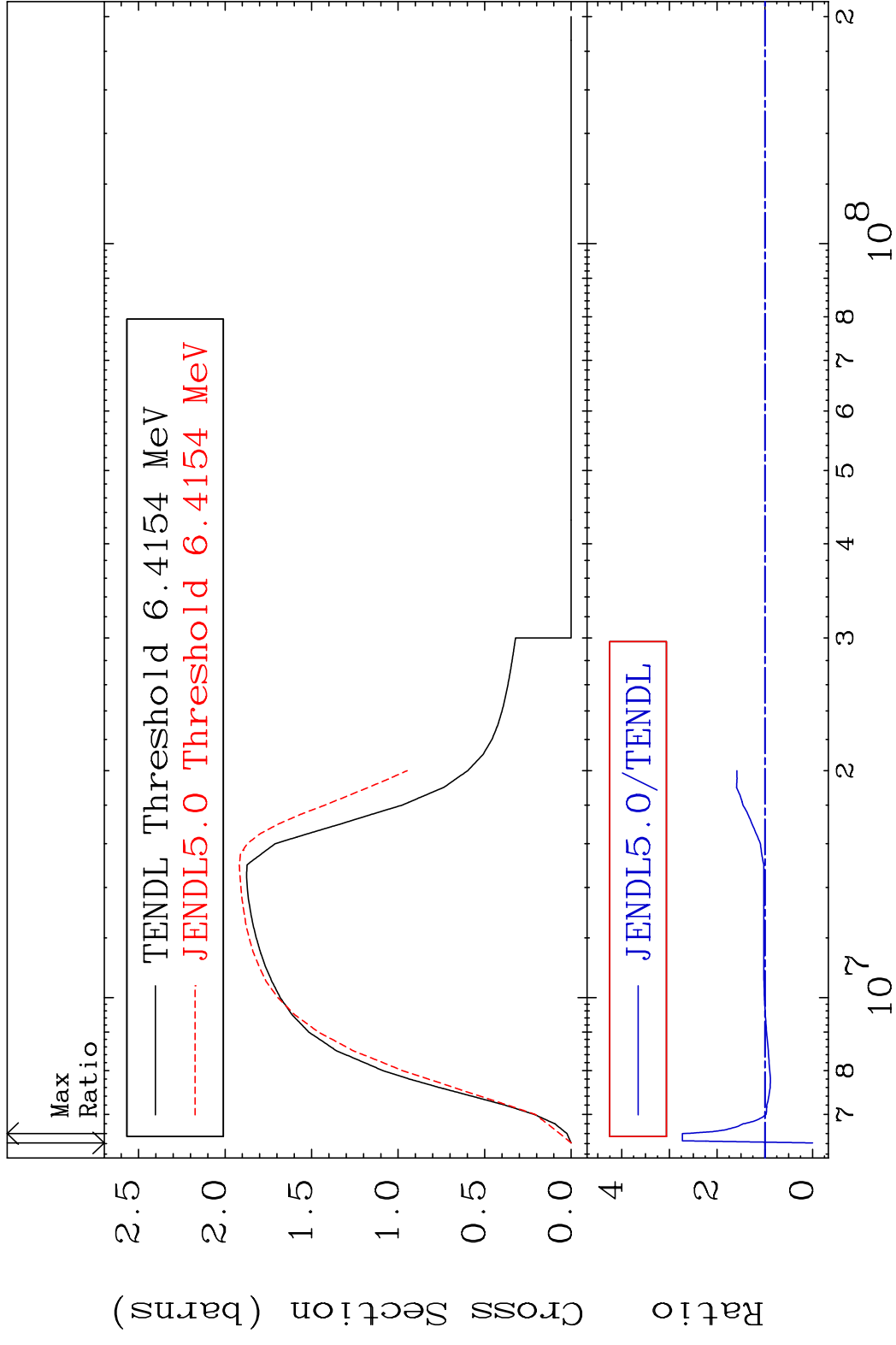
2

Incident Energy (eV) 65-Tb-160

MAT 6528 Inelastic 65-Tb-160
 Cross Section -100.0 To 4304. %



MAT 6528 (n,2n) 65-Tb-160
 Cross Section -100.0 To 172.9 %



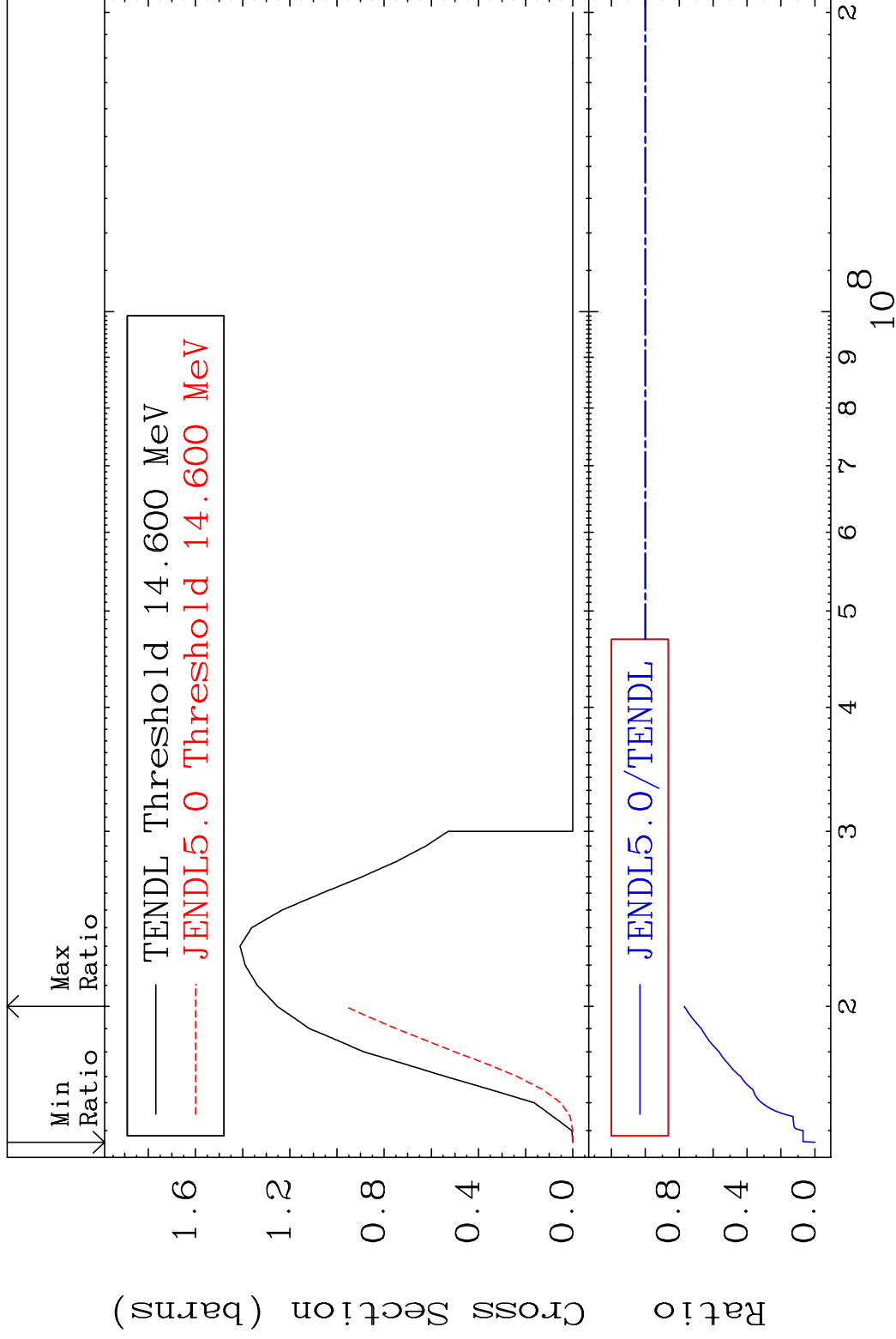
4 Incident Energy (eV) 65-Tb-160

MAT 6528

(n,3n)

65-Tb-160

Cross Section -100.0 To -22.99%

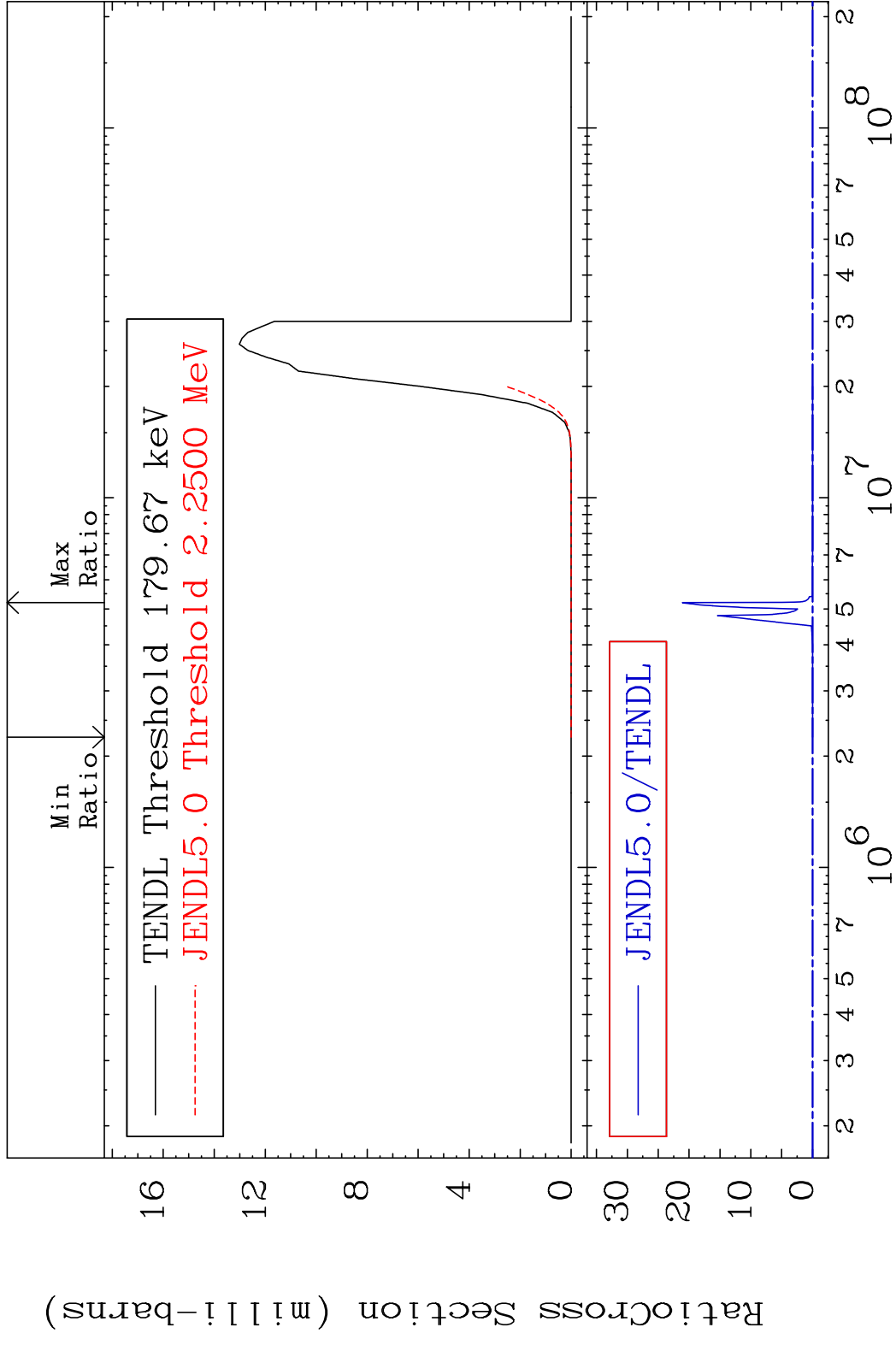


5

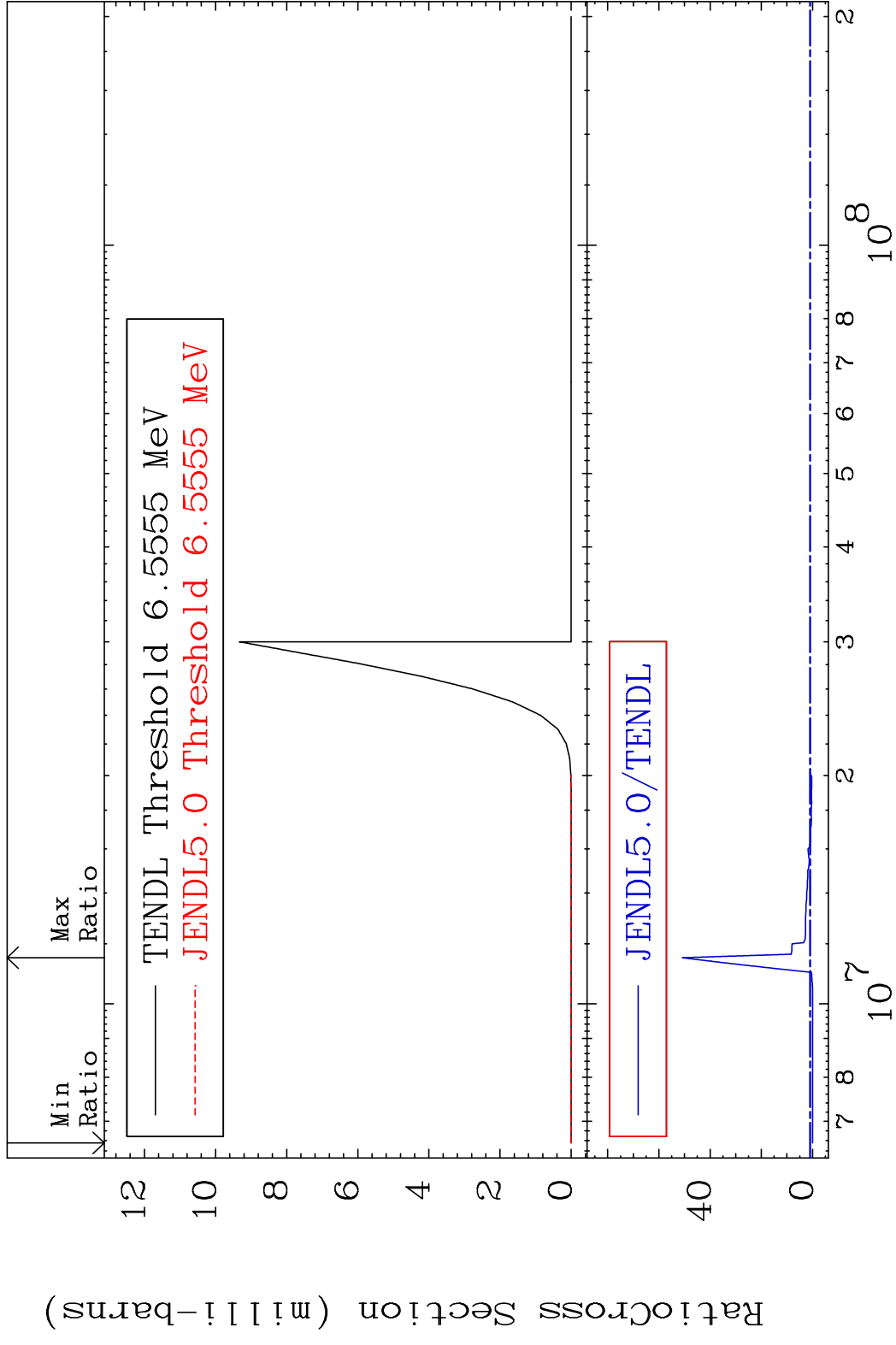
Incident Energy (eV)

65-Tb-160

MAT 6528 (n, n') α 65-Tb-160
 Cross Section -100.0 To 9999. %



MAT 6528 (n,2n) α 65-Tb-160
 Cross Section -100.0 To 4984. %



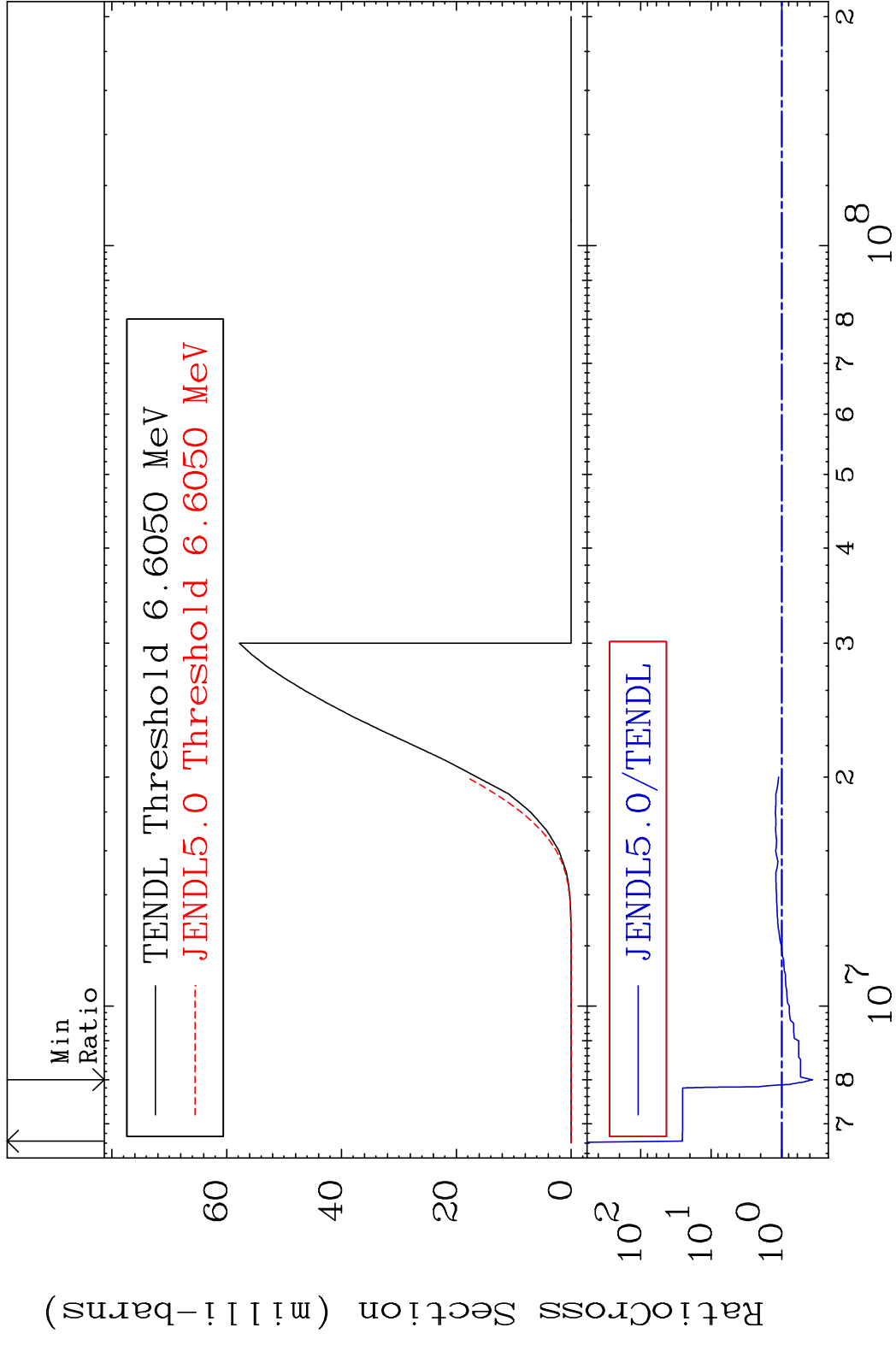
7 8 7 8 10 7 8 10 8 2 65-Tb-160

MAT 6528

(n, n') p

65-Tb-160

Cross Section -63.38 To 2465. %

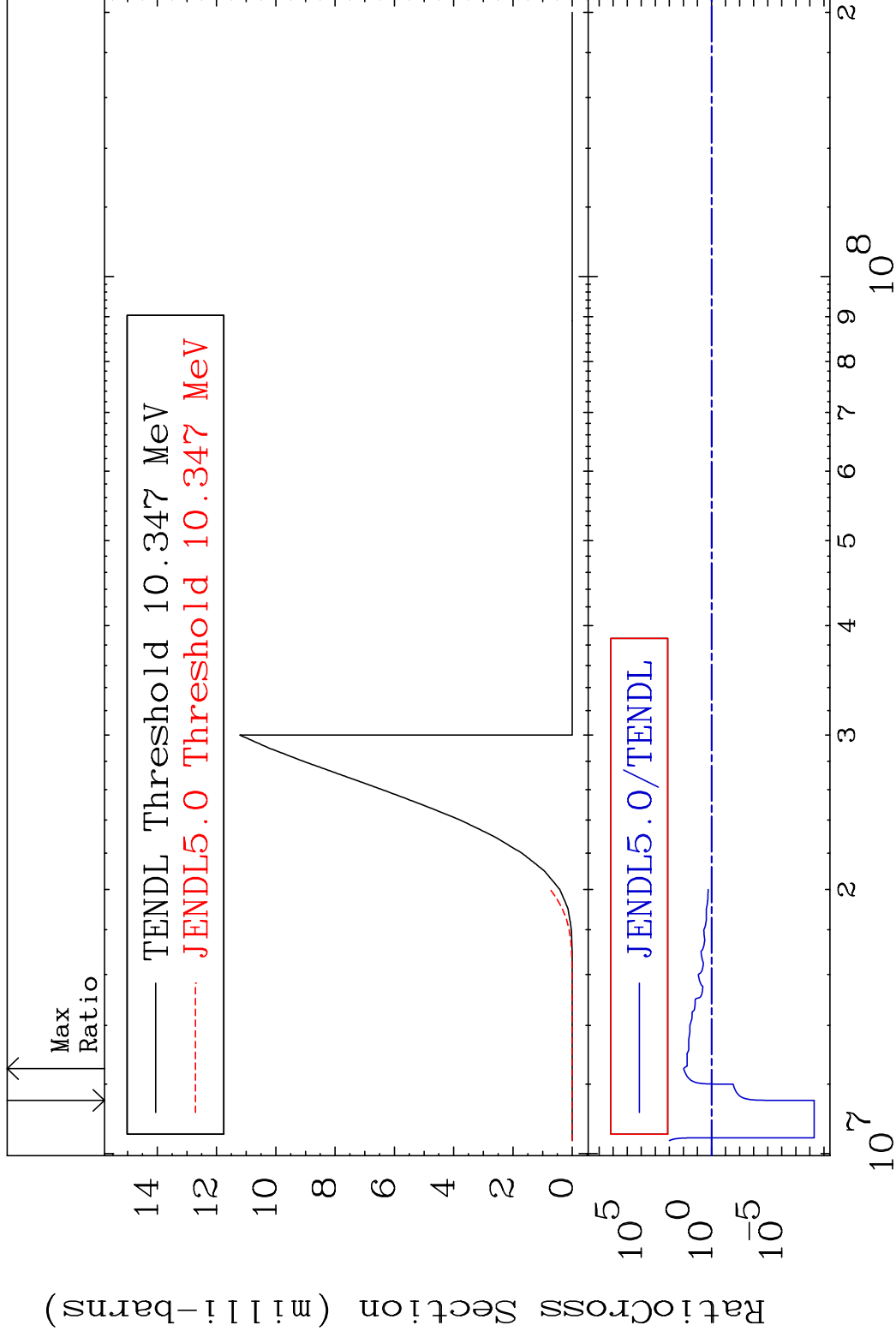


MAT 6528

(n, n') d

65-Tb-160

Cross Section -100.0 To 9523. %



9

Incident Energy (eV)

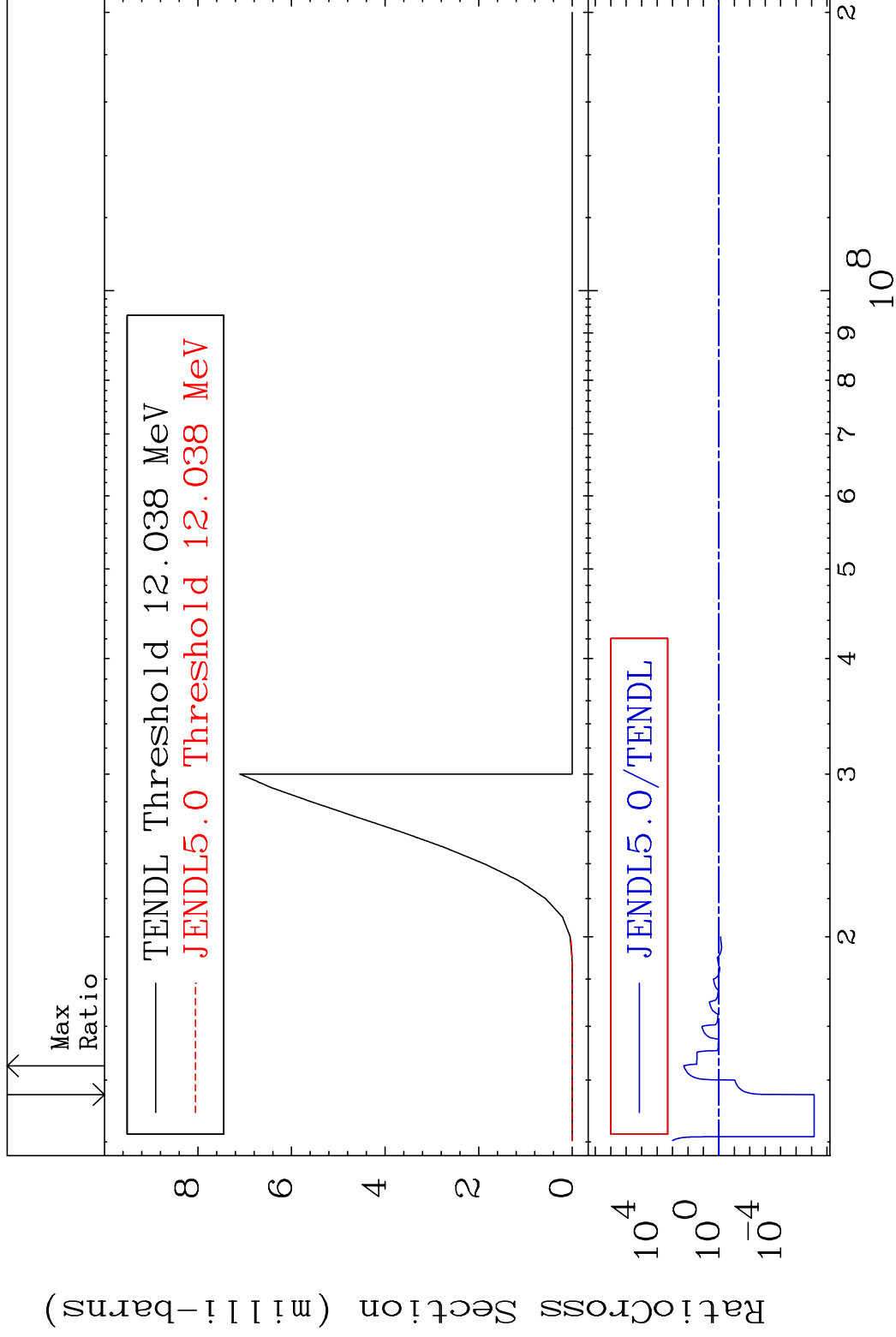
65-Tb-160

MAT 6528

(n, n') t

65-Tb-160

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

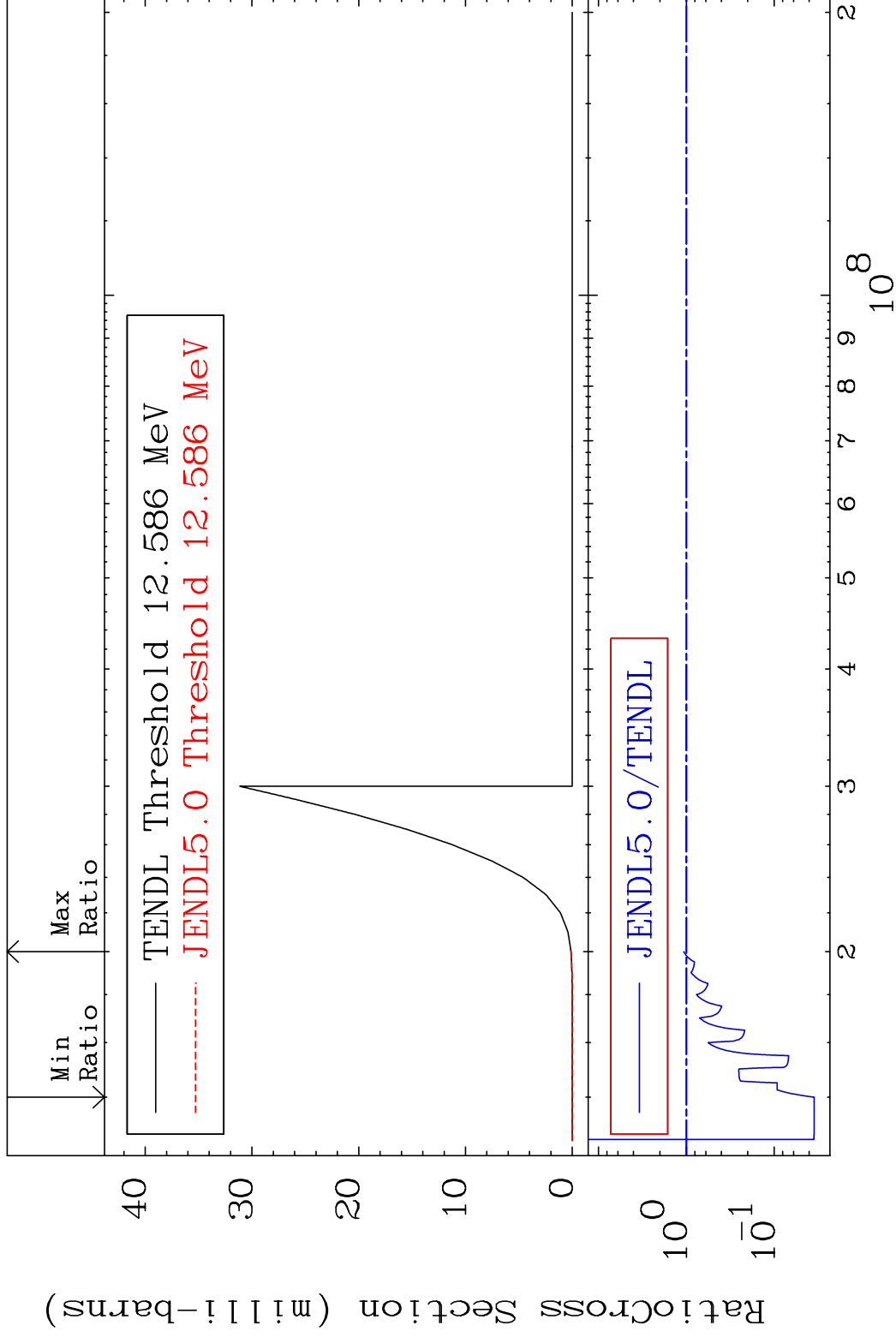
65-Tb-160

MAT 6528

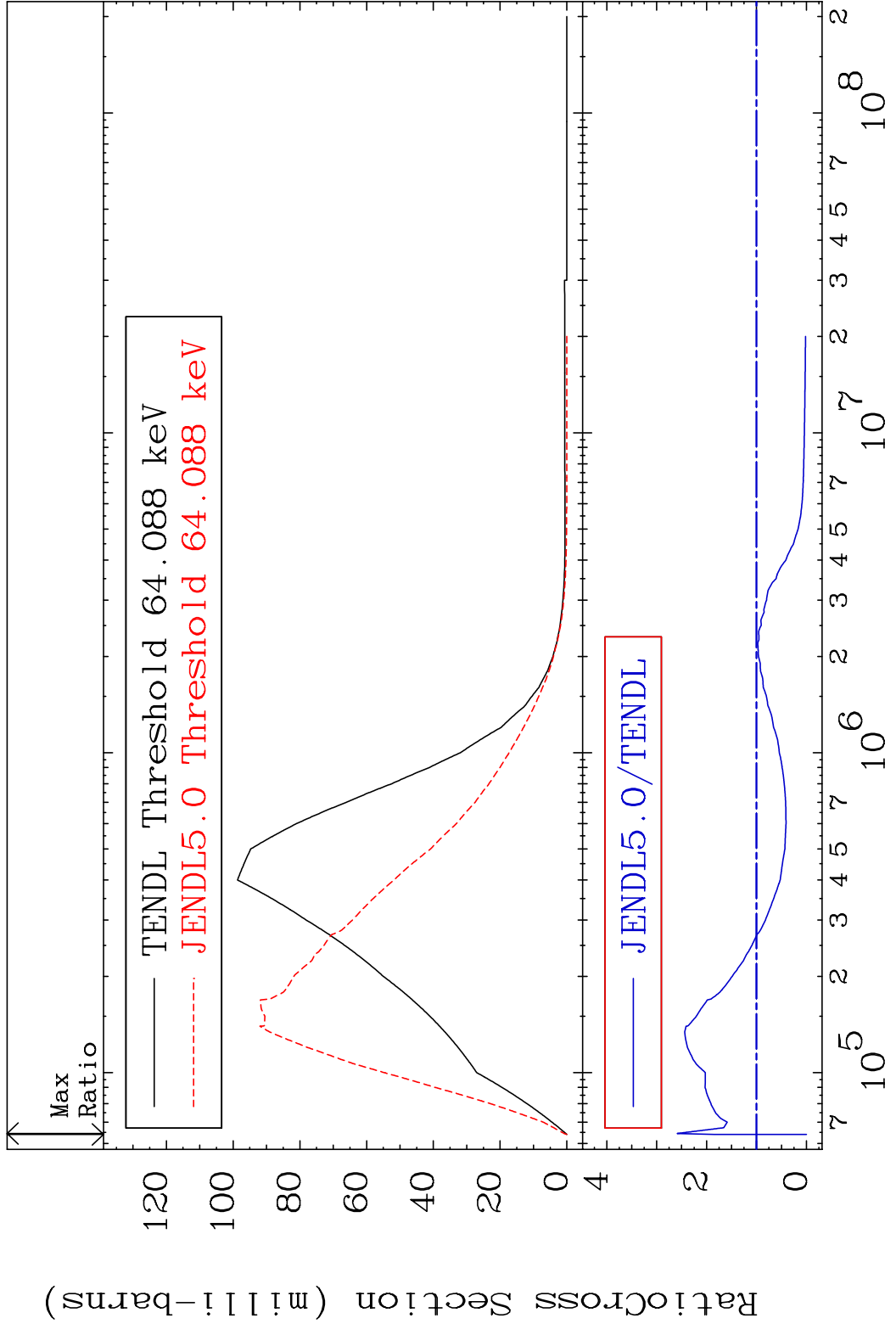
(n,2n) p

65-Tb-160

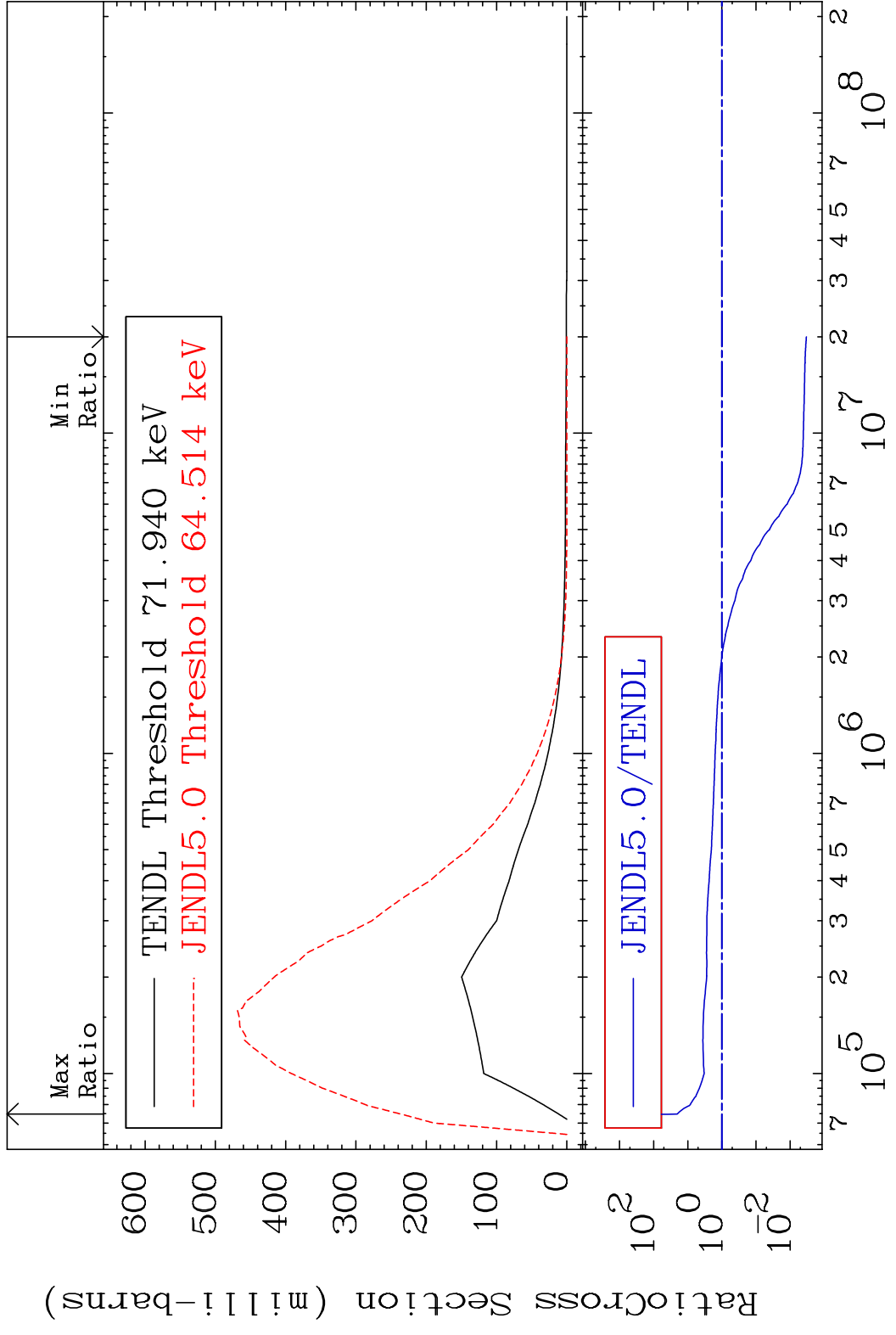
Cross Section -96.49 To 7.306 %



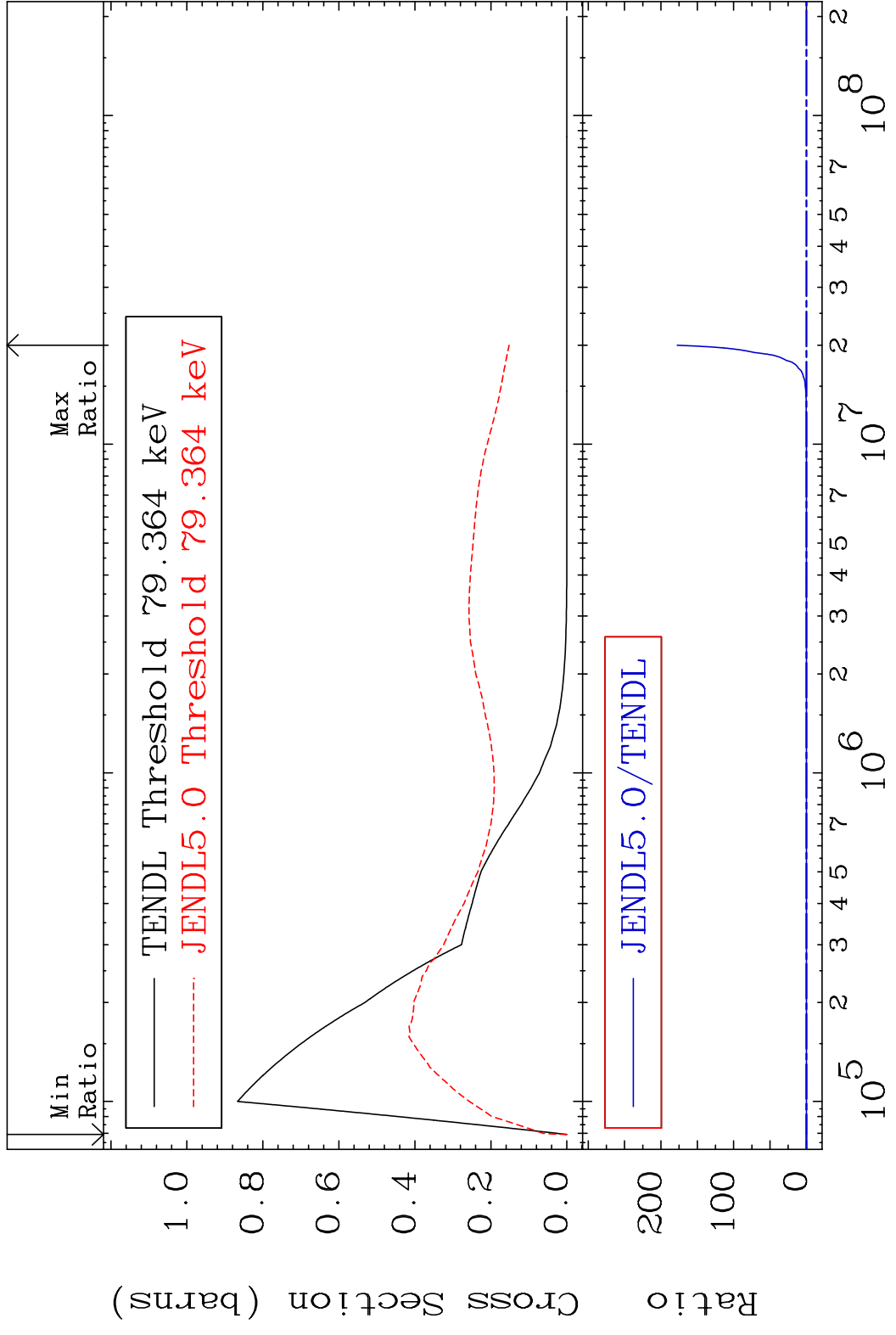
MAT 6528 MT= 51 (n,n') Level 65-Tb-160
 Cross Section -100.0 To 158.9 %



MAT 6528 MT= 52 (n, n') Level 65-Tb-160
 Cross Section -99.67 To 1945. %

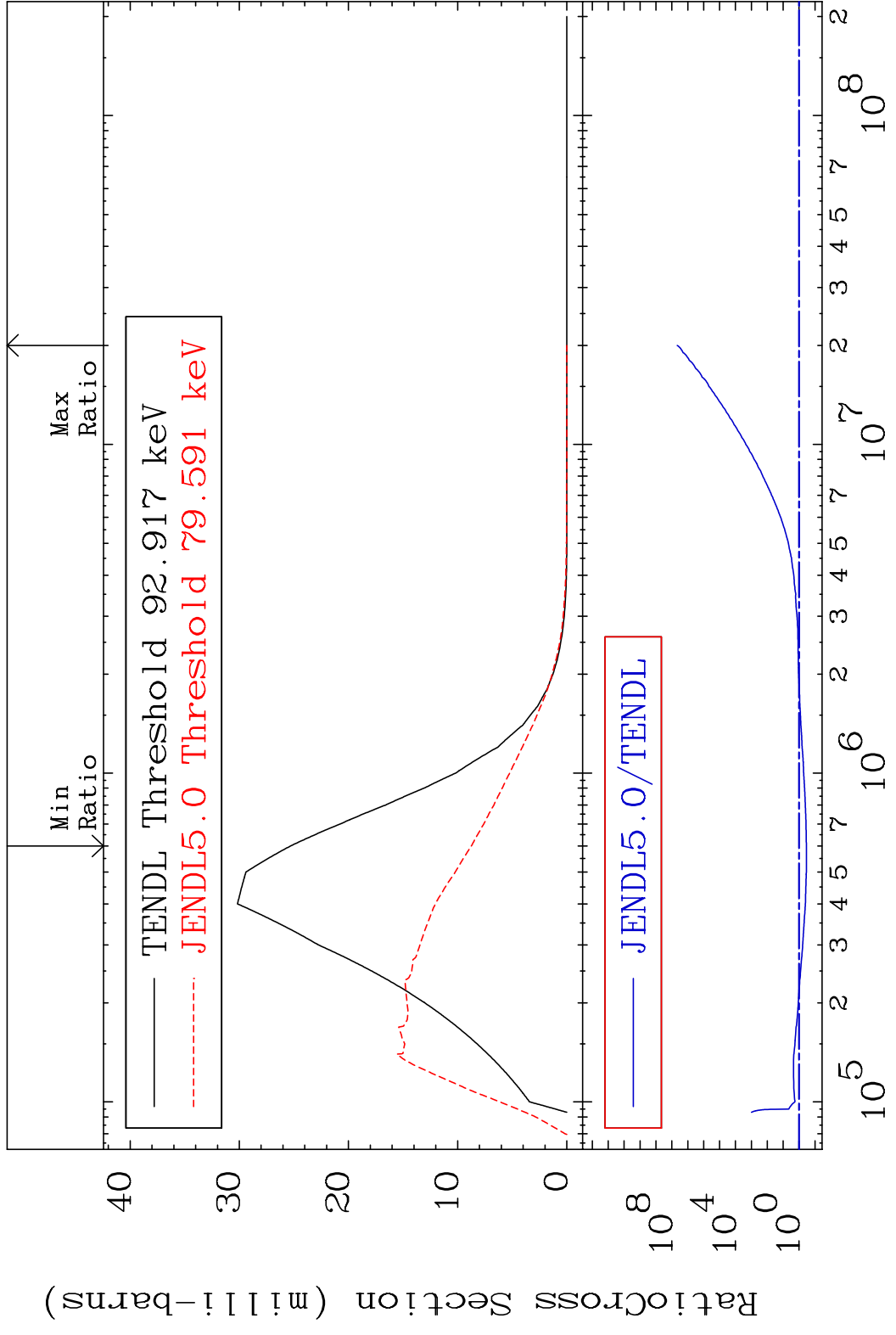


MAT 6528 MT= 53 (n, n') Level 65-Tb-160
 Cross Section -100.0 To 9999. %



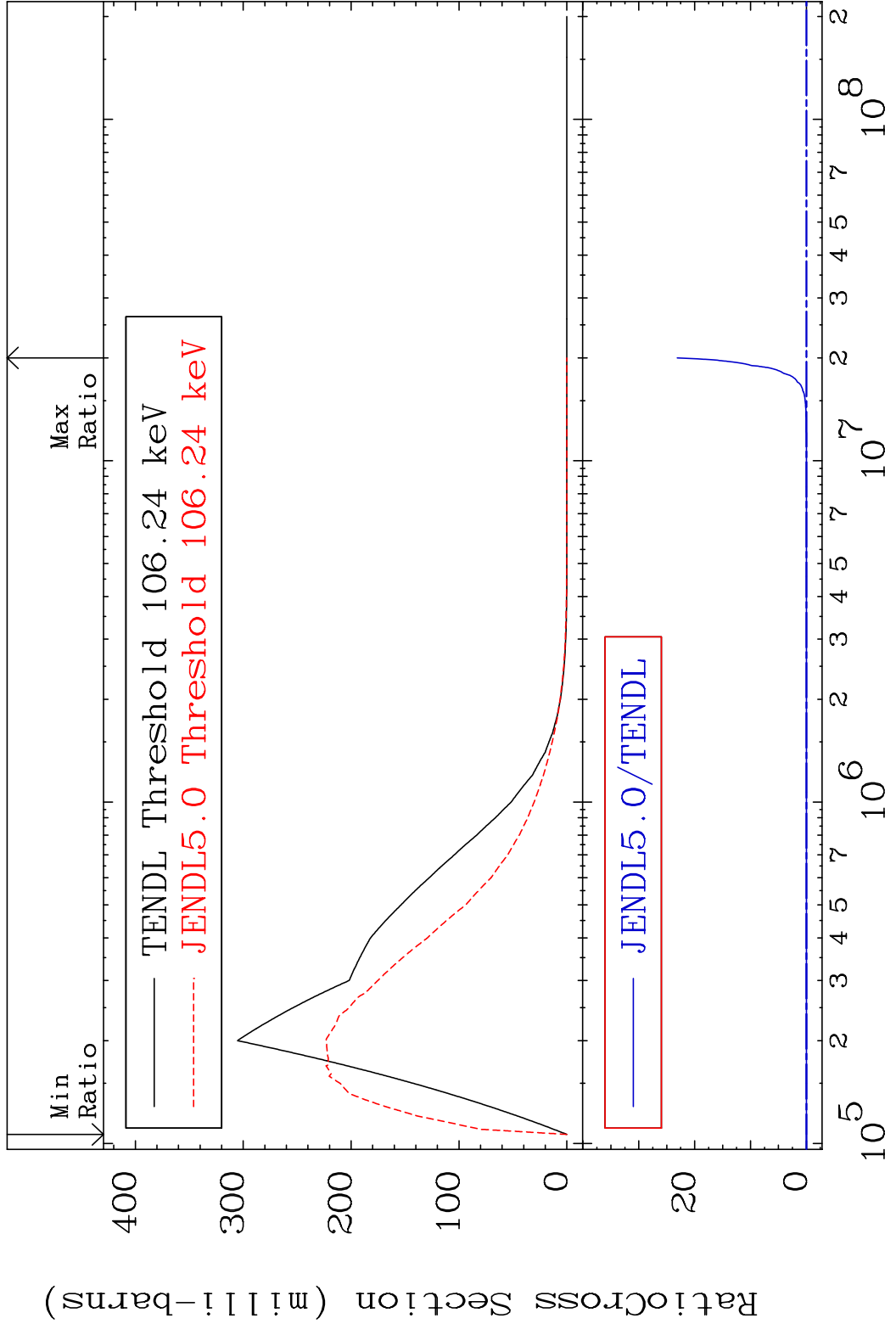
14 Incident Energy (eV) 65-Tb-160

MAT 6528 MT= 54 (n, n') Level 65-Tb-160
 Cross Section -65.46 To 9999. %

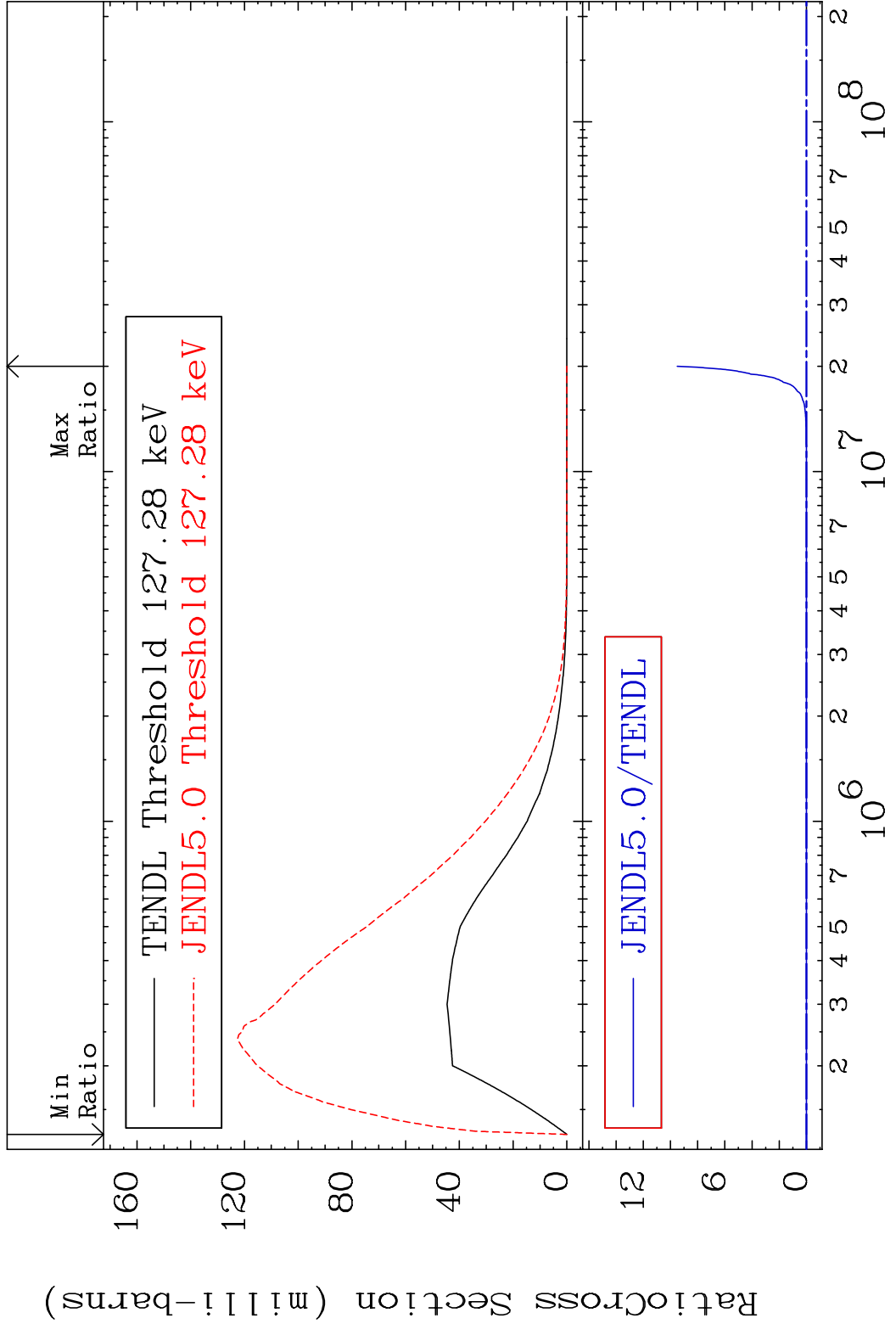


15 65-Tb-160

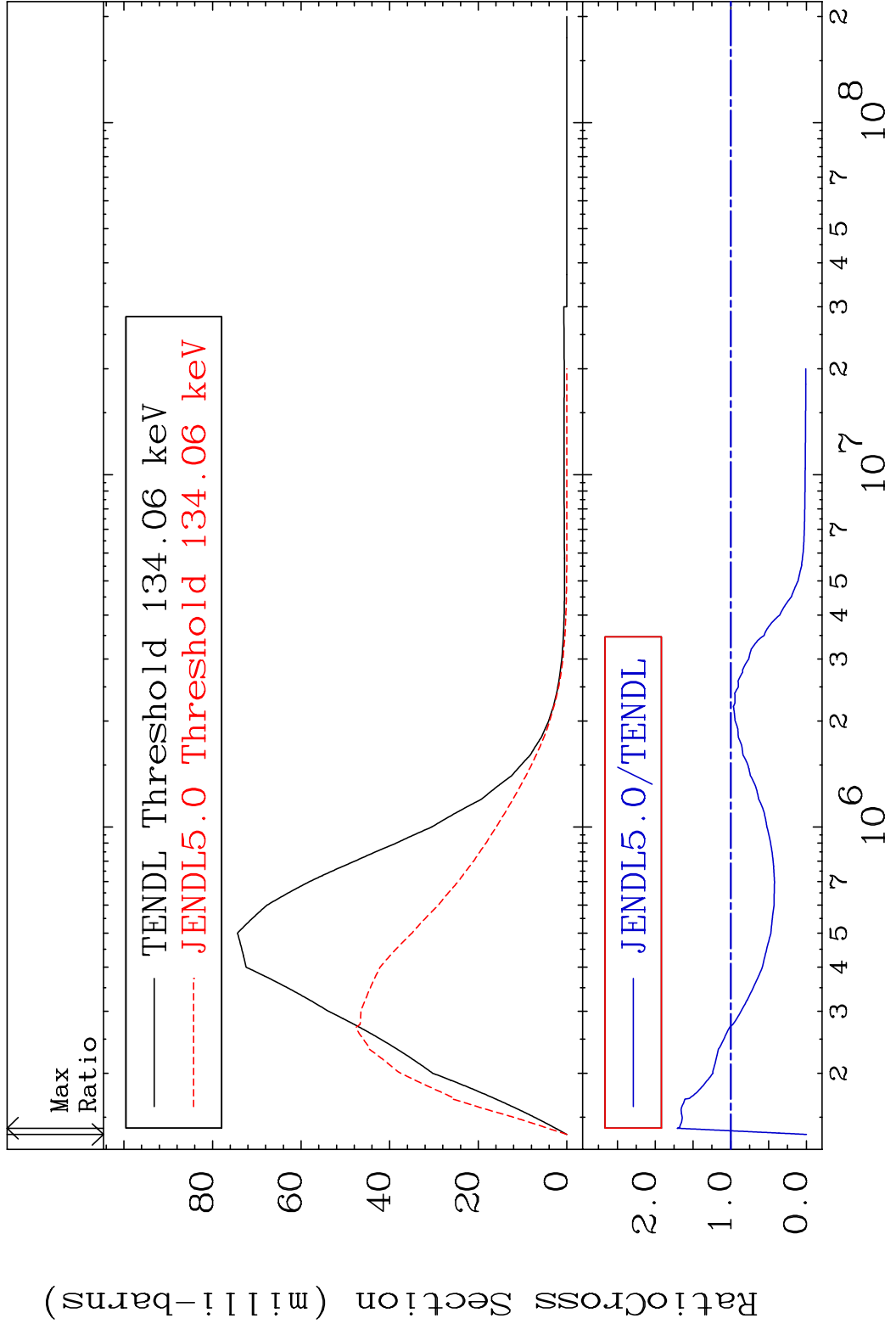
MAT 6528 MT= 55 (n,n') Level 65-Tb-160
 Cross Section -100.0 To 9999. %



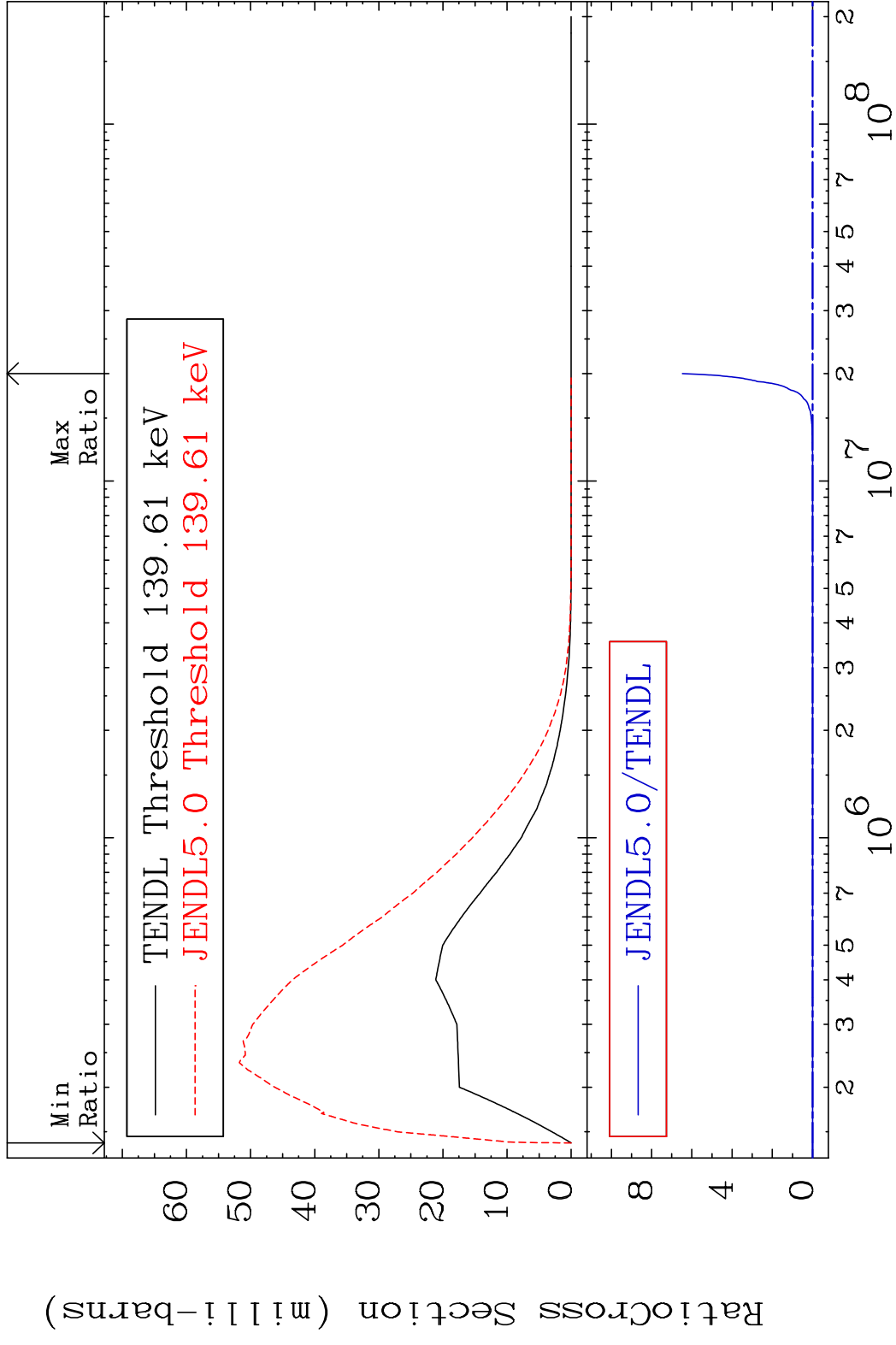
MAT 6528 MT= 56 (n,n') Level 65-Tb-160
 Cross Section -100.0 To 9999. %



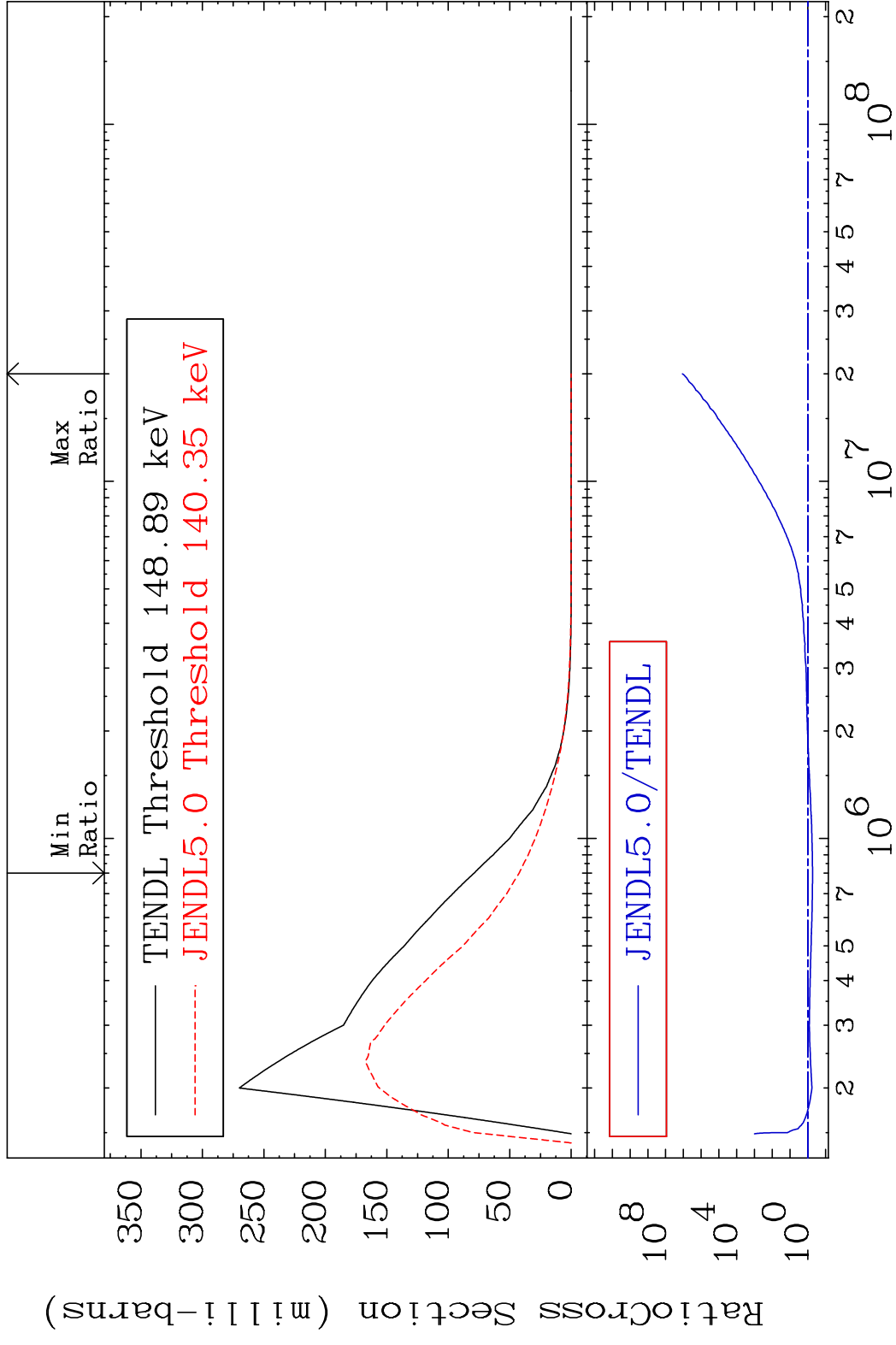
MAT 6528 MT= 57 (n,n') Level 65-Tb-160
 Cross Section -100.0 To 70.92 %



MAT 6528 MT= 58 (n, n') Level 65-Tb-160
 Cross Section -100.0 To 9999. %

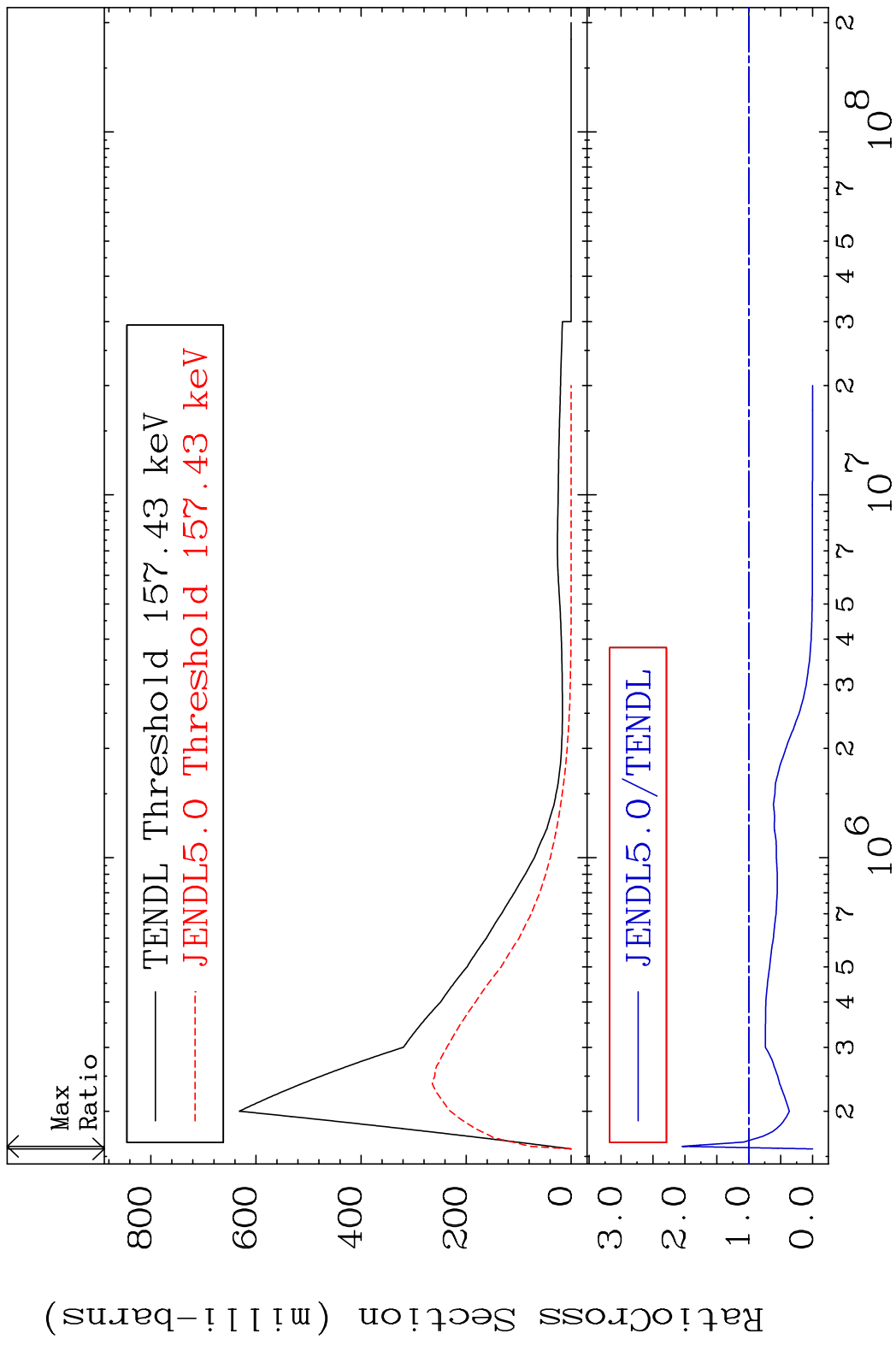


MAT 6528 MT= 59 (n, n') Level 65-Tb-160
 Cross Section -46.36 To 9999. %

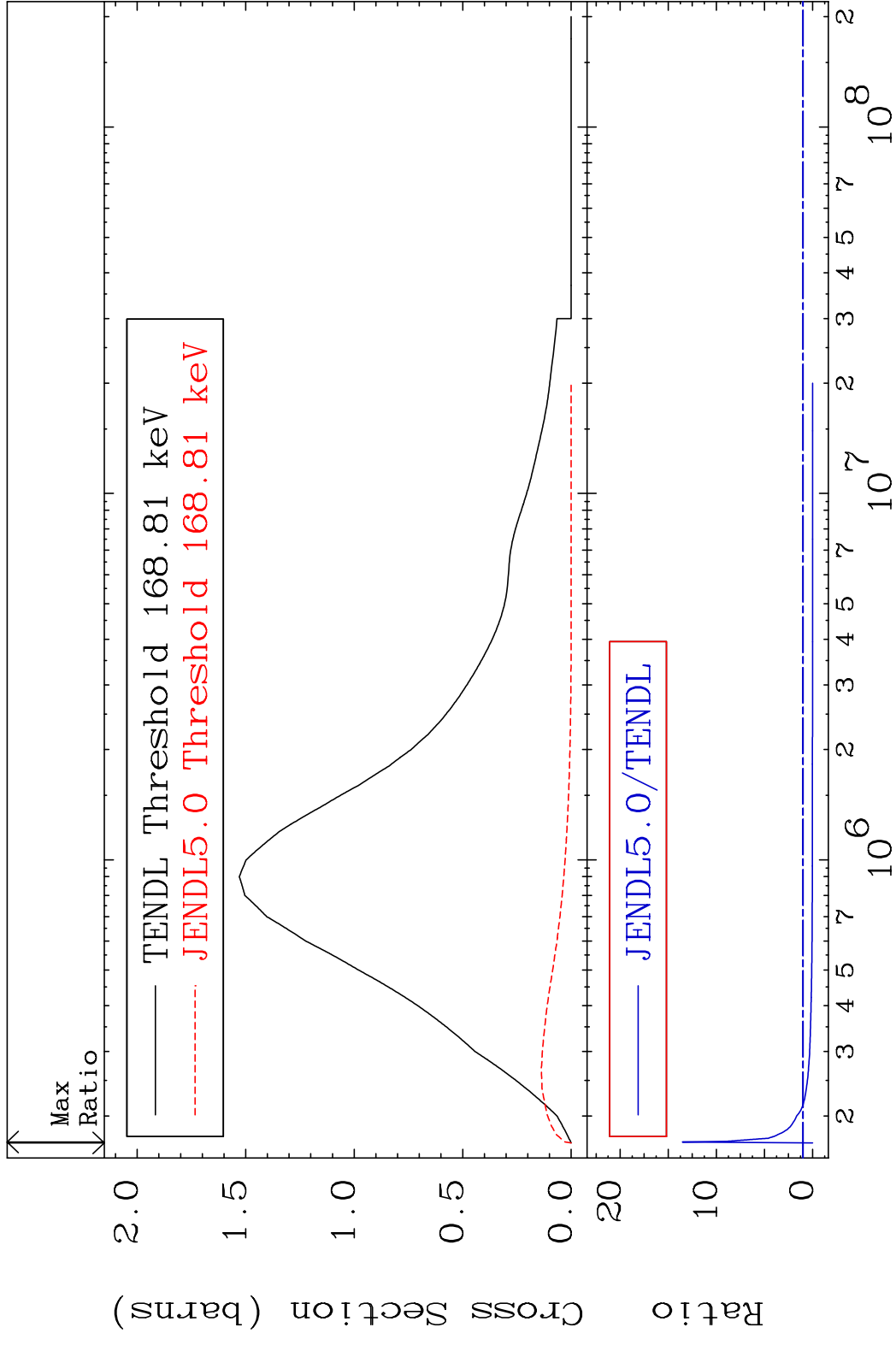


20 Incident Energy (eV) 65-Tb-160

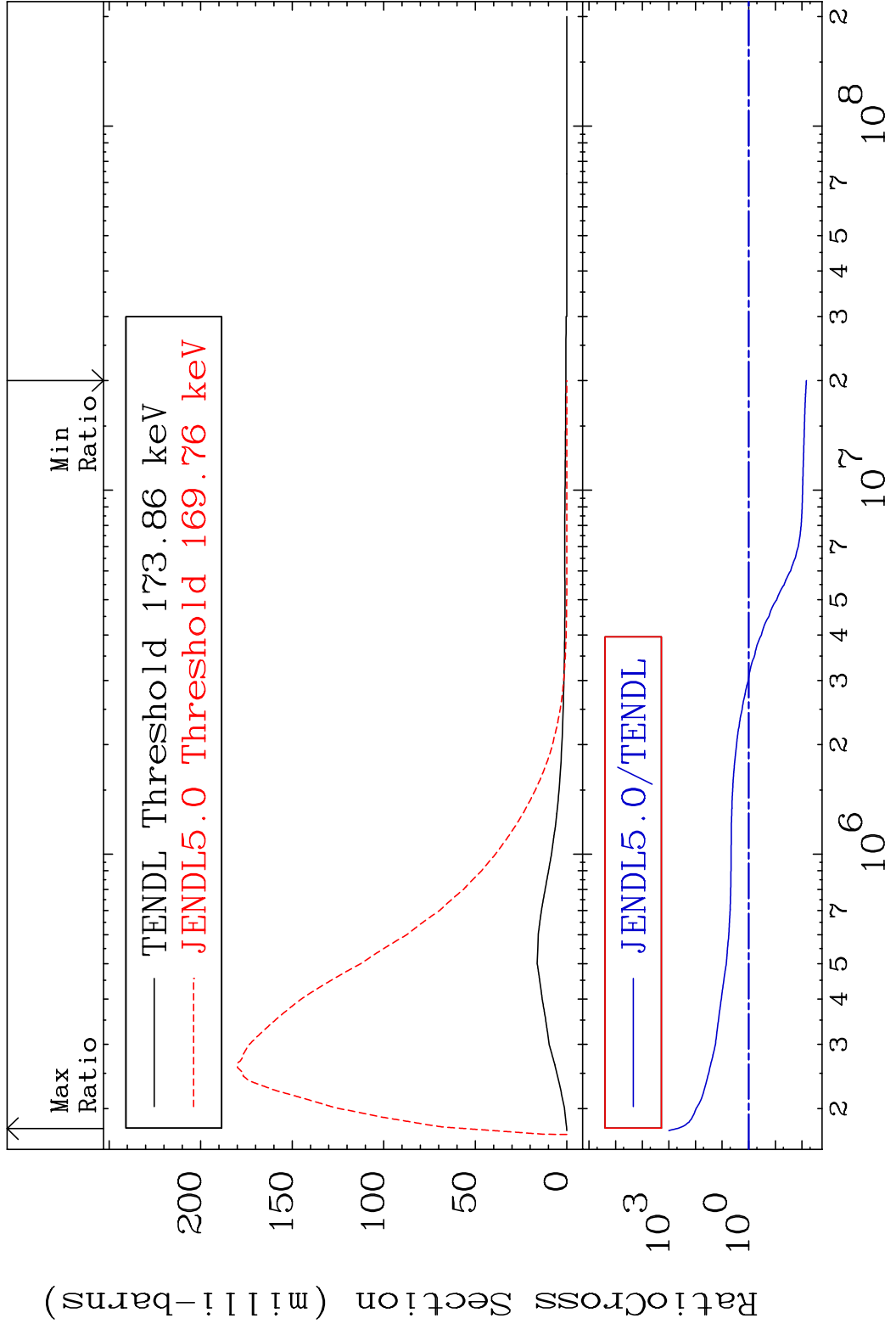
MAT 6528 MT= 60 (n,n') Level 65-Tb-160
 Cross Section -100.0 To 104.0 %



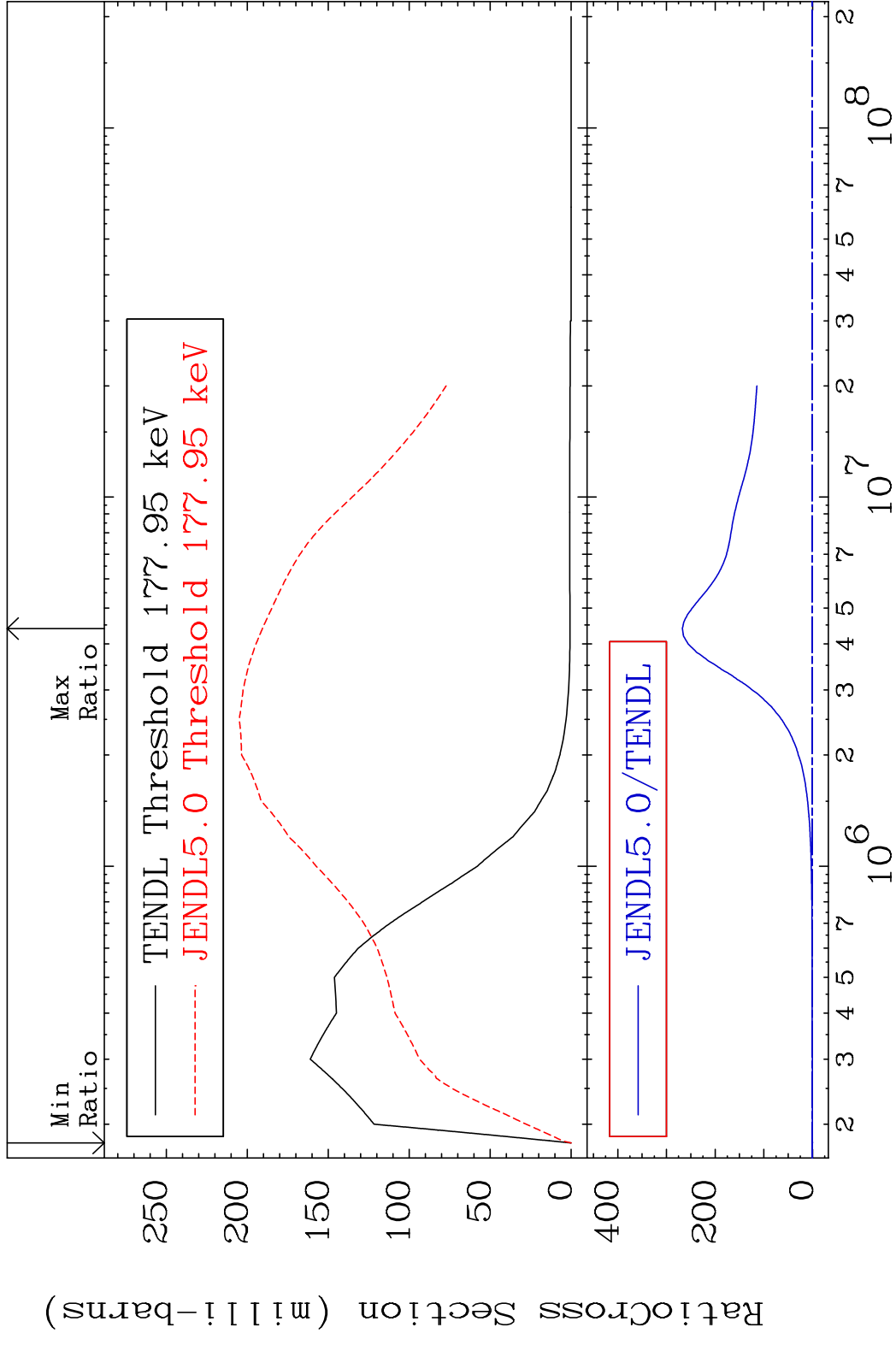
MAT 6528 MT= 61 (n, n') Level 65-Tb-160
 Cross Section -100.0 To 1253. %



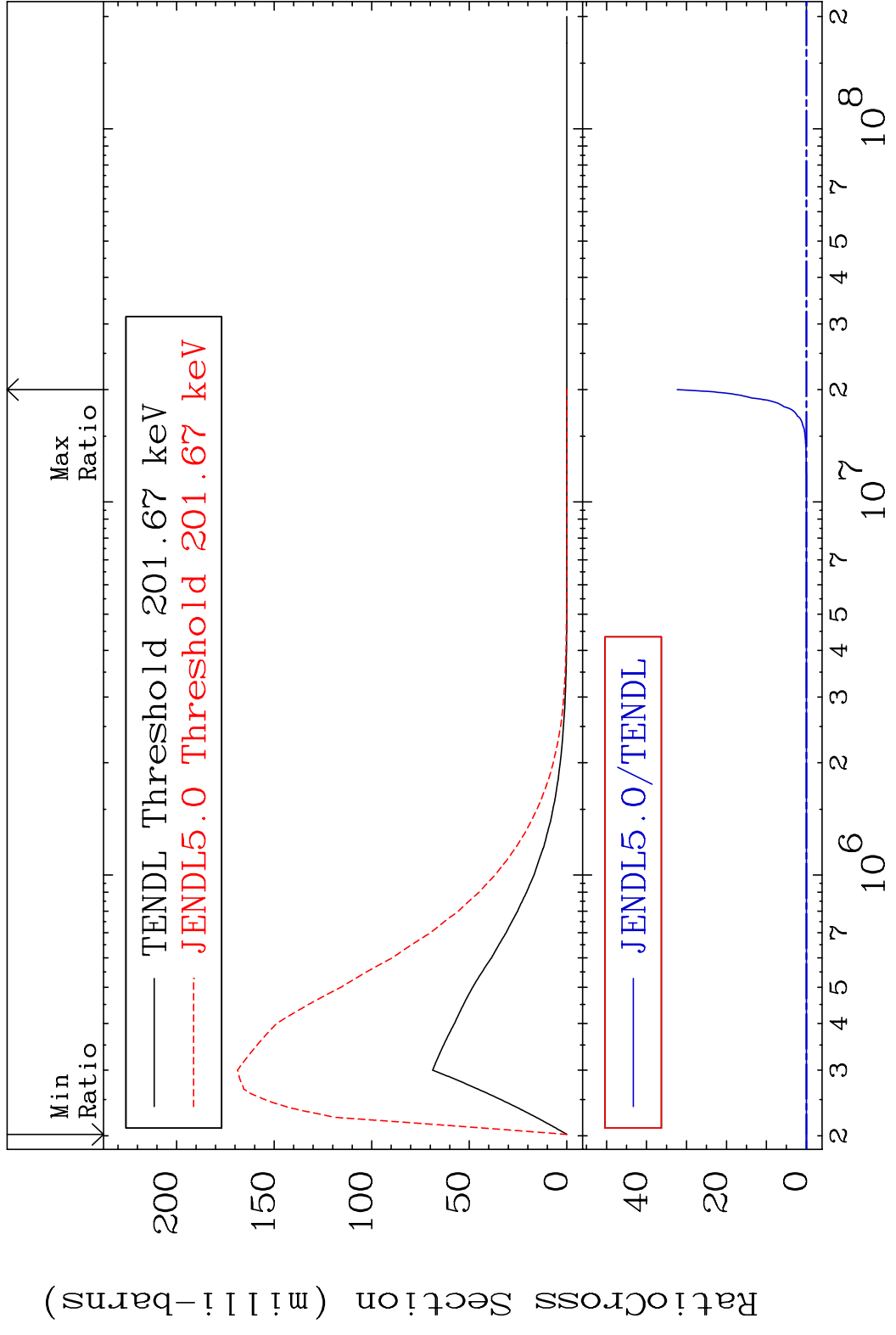
MAT 6528 MT= 62 (n, n') Level 65-Tb-160
 Cross Section -99.31 To 9999. %



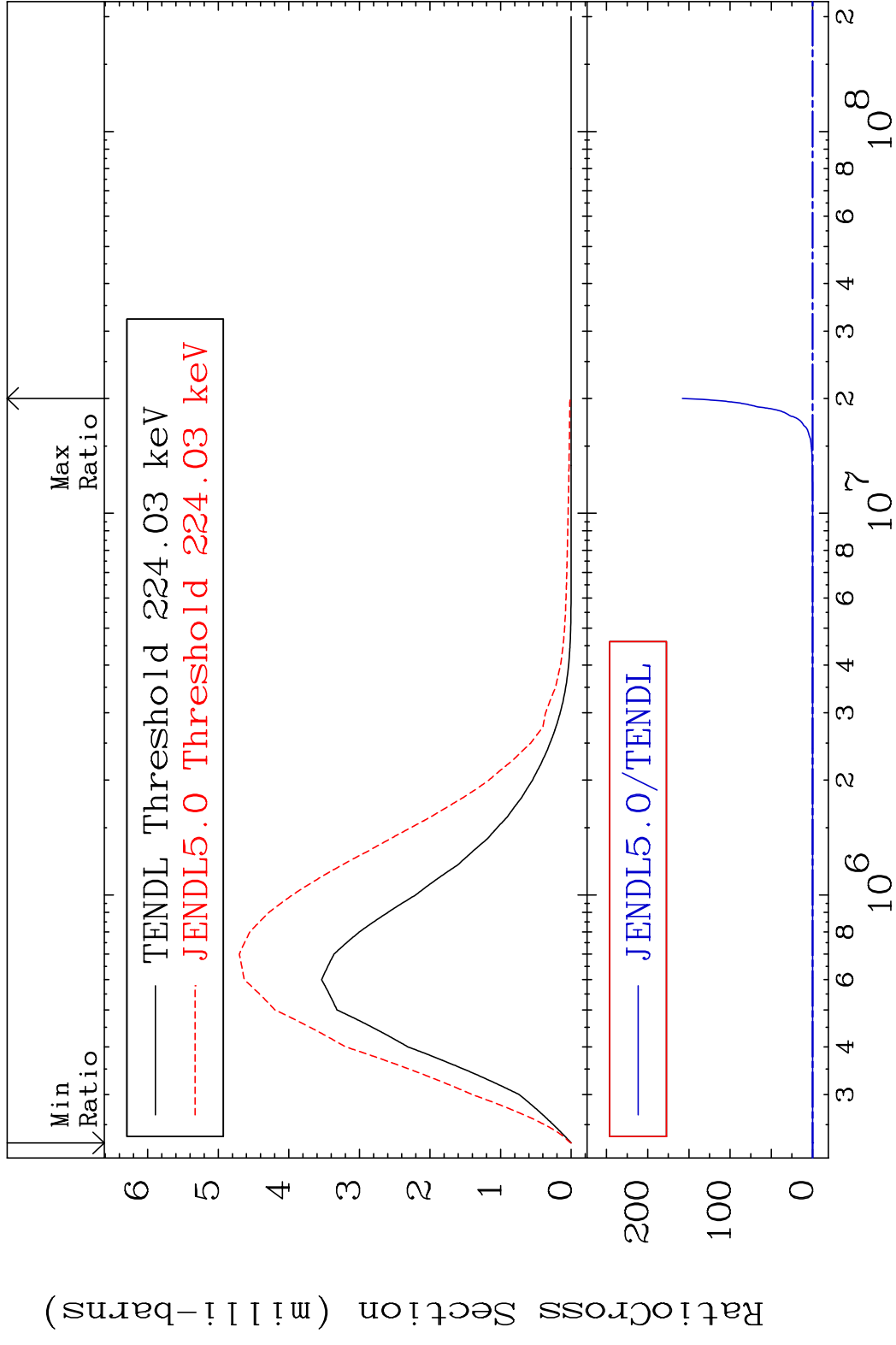
MAT 6528 MT= 63 (n, n') Level 65-Tb-160
 Cross Section -100.0 To 9999. %



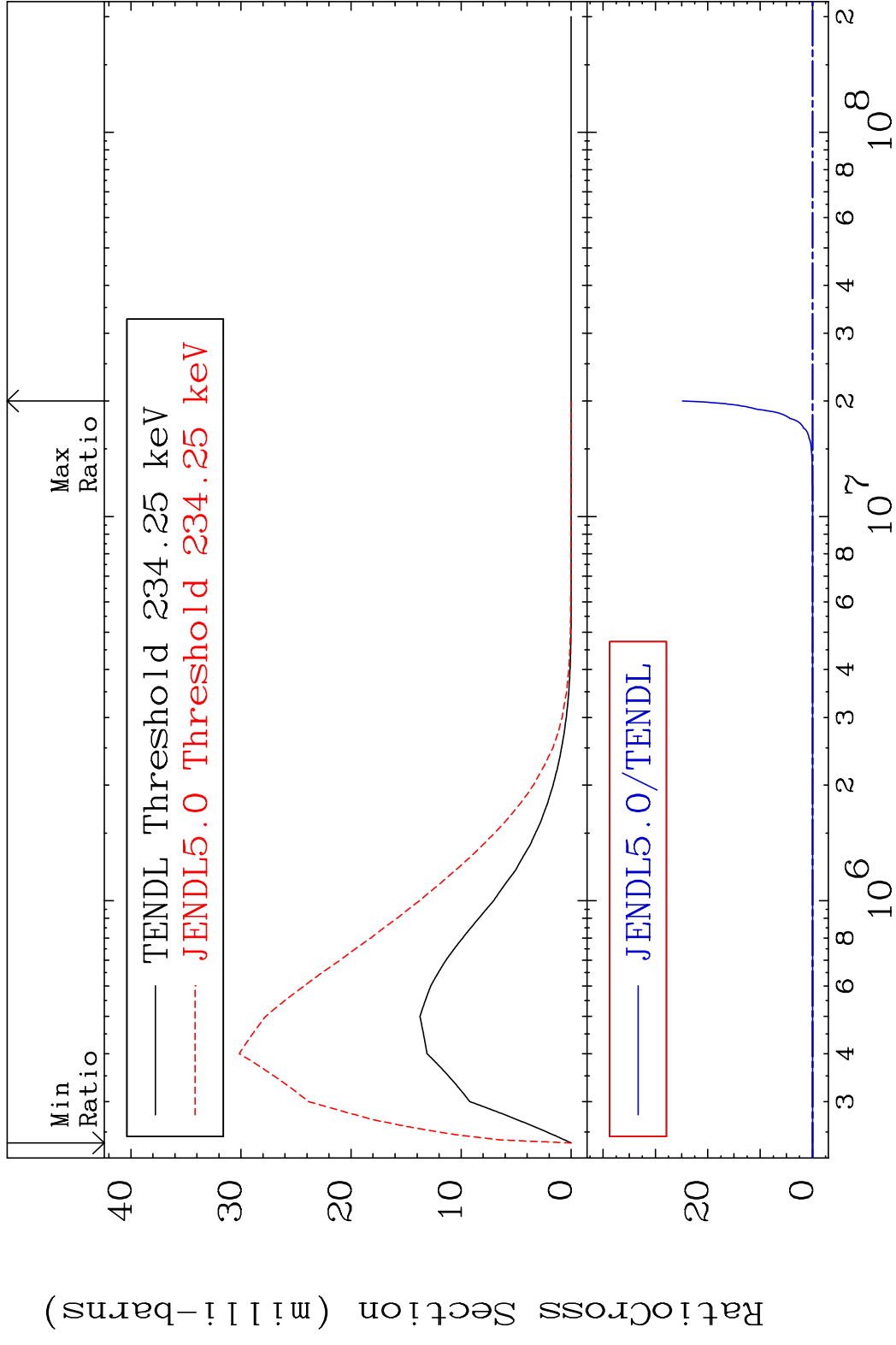
MAT 6528 MT= 64 (n, n') Level 65-Tb-160
 Cross Section -100.0 To 9999. %



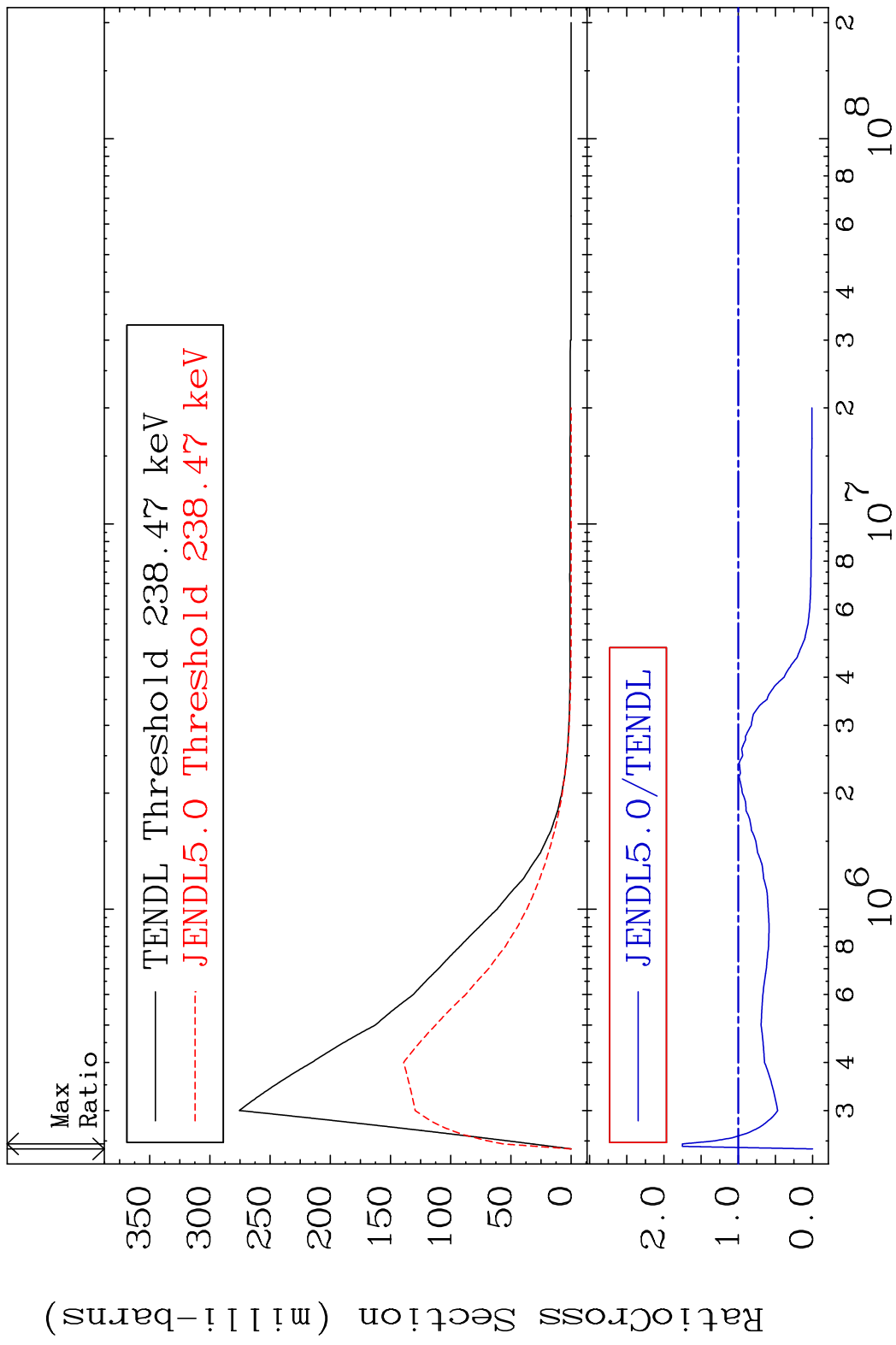
MAT 6528 MT= 65 (n, n') Level 65-Tb-160
 Cross Section -100.0 To 9999. %



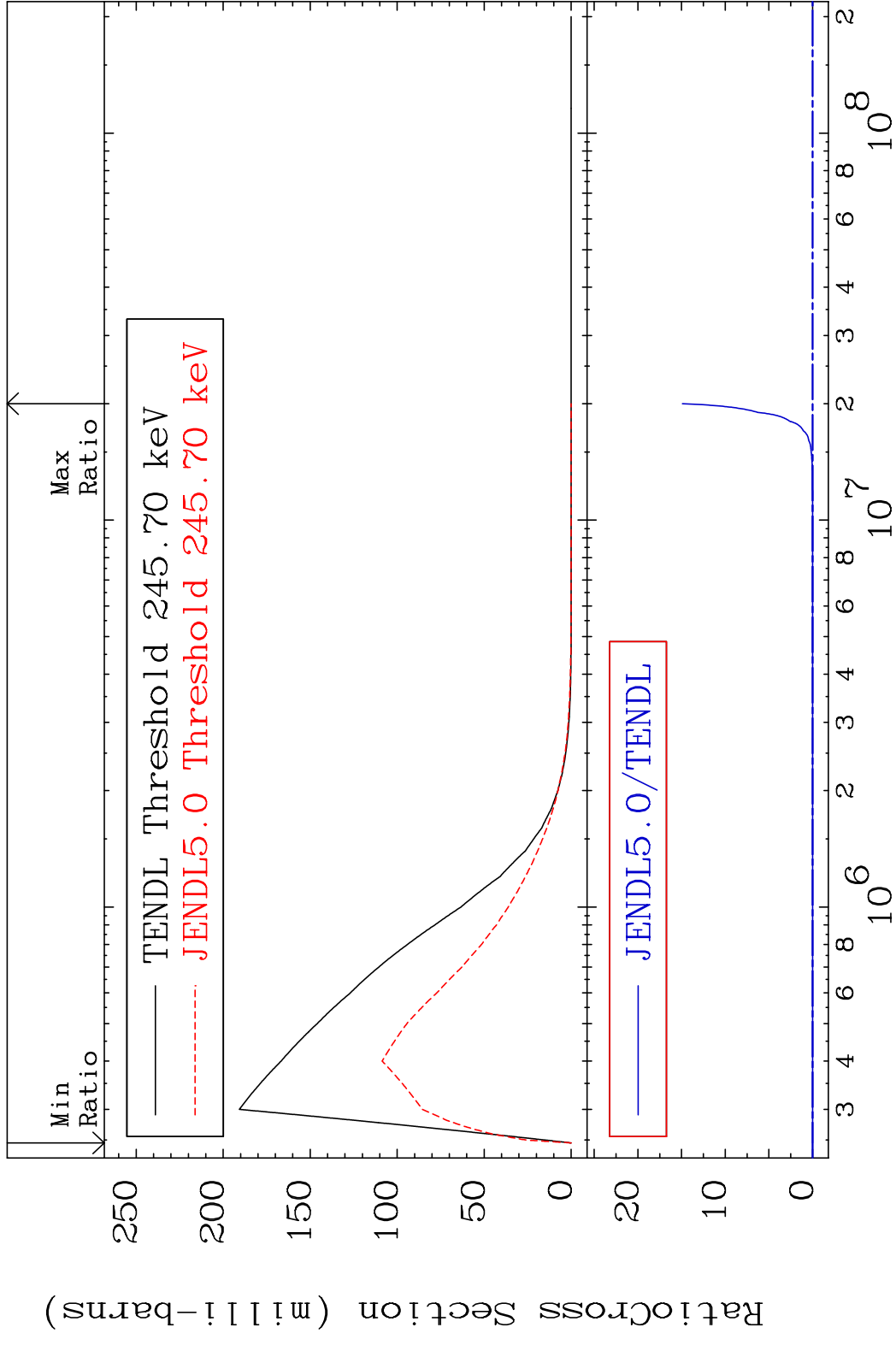
MAT 6528 MT= 66 (n,n') Level 65-Tb-160
 Cross Section -100.0 To 9999. %



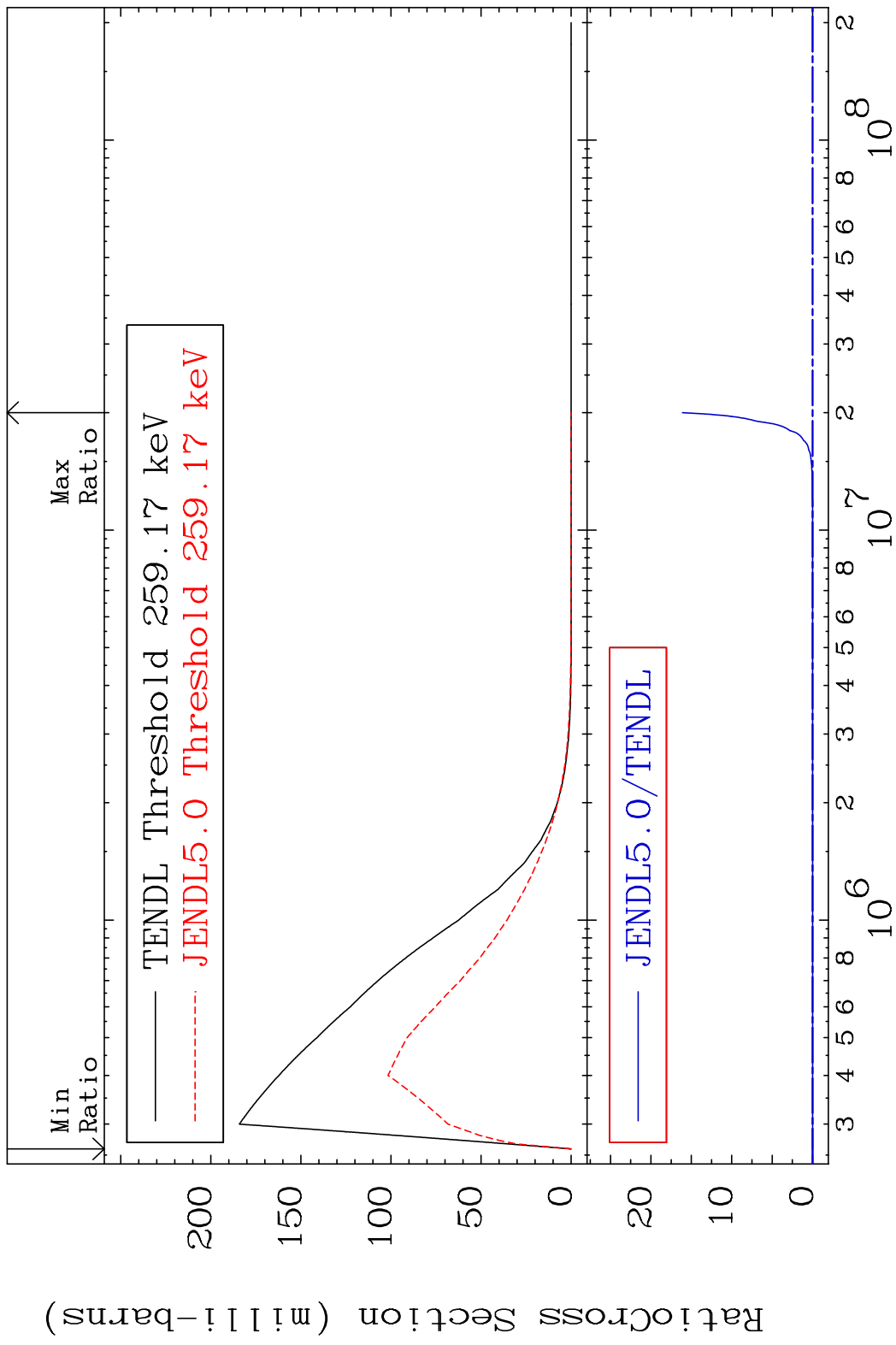
MAT 6528 MT= 67 (n,n') Level 65-Tb-160
 Cross Section -100.0 To 75.23 %



MAT 6528 MT= 68 (n, n') Level 65-Tb-160
 Cross Section -100.0 To 9999. %

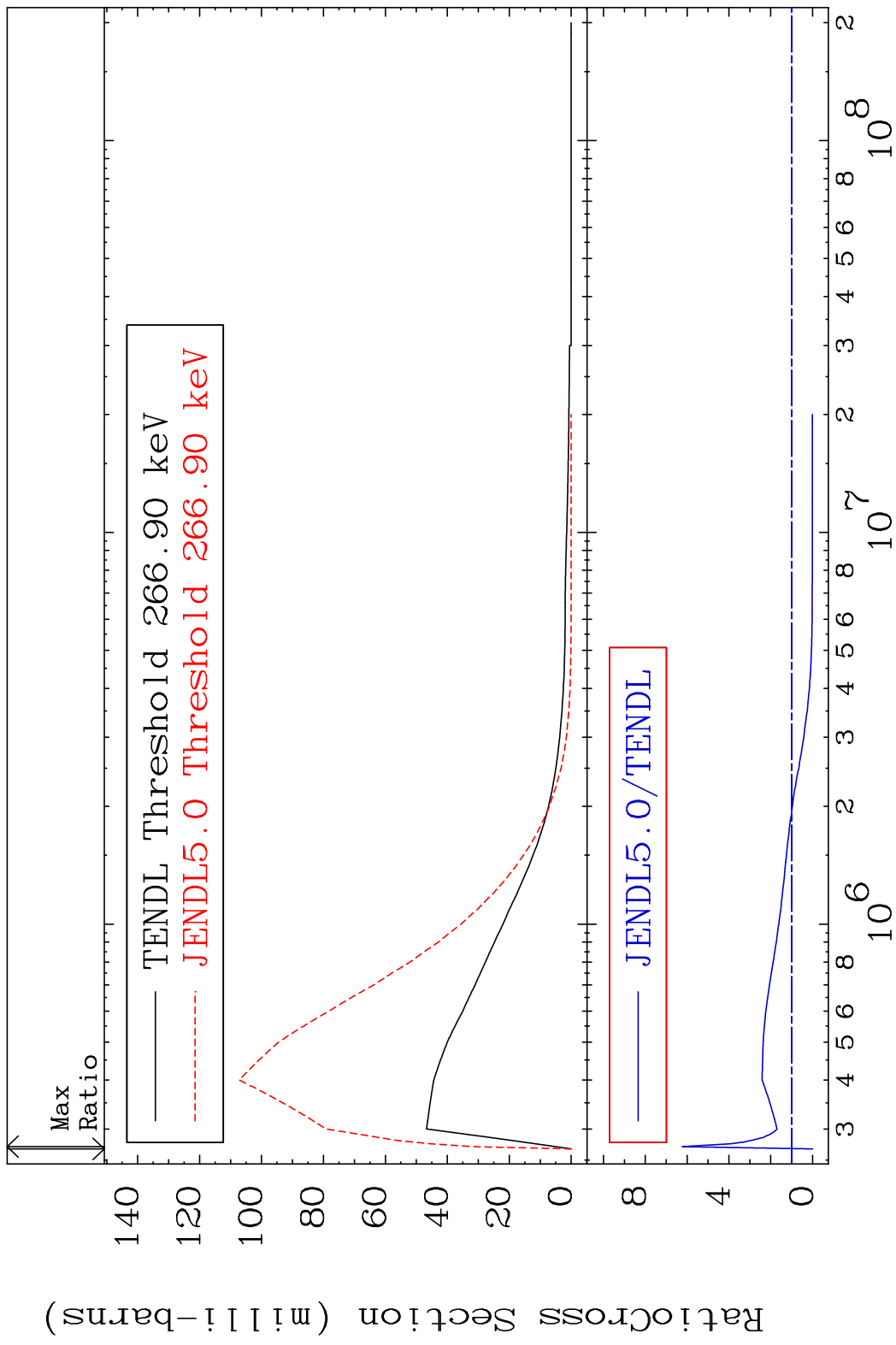


MAT 6528 MT= 69 (n, n') Level 65-Tb-160
 Cross Section -100.0 To 9999. %

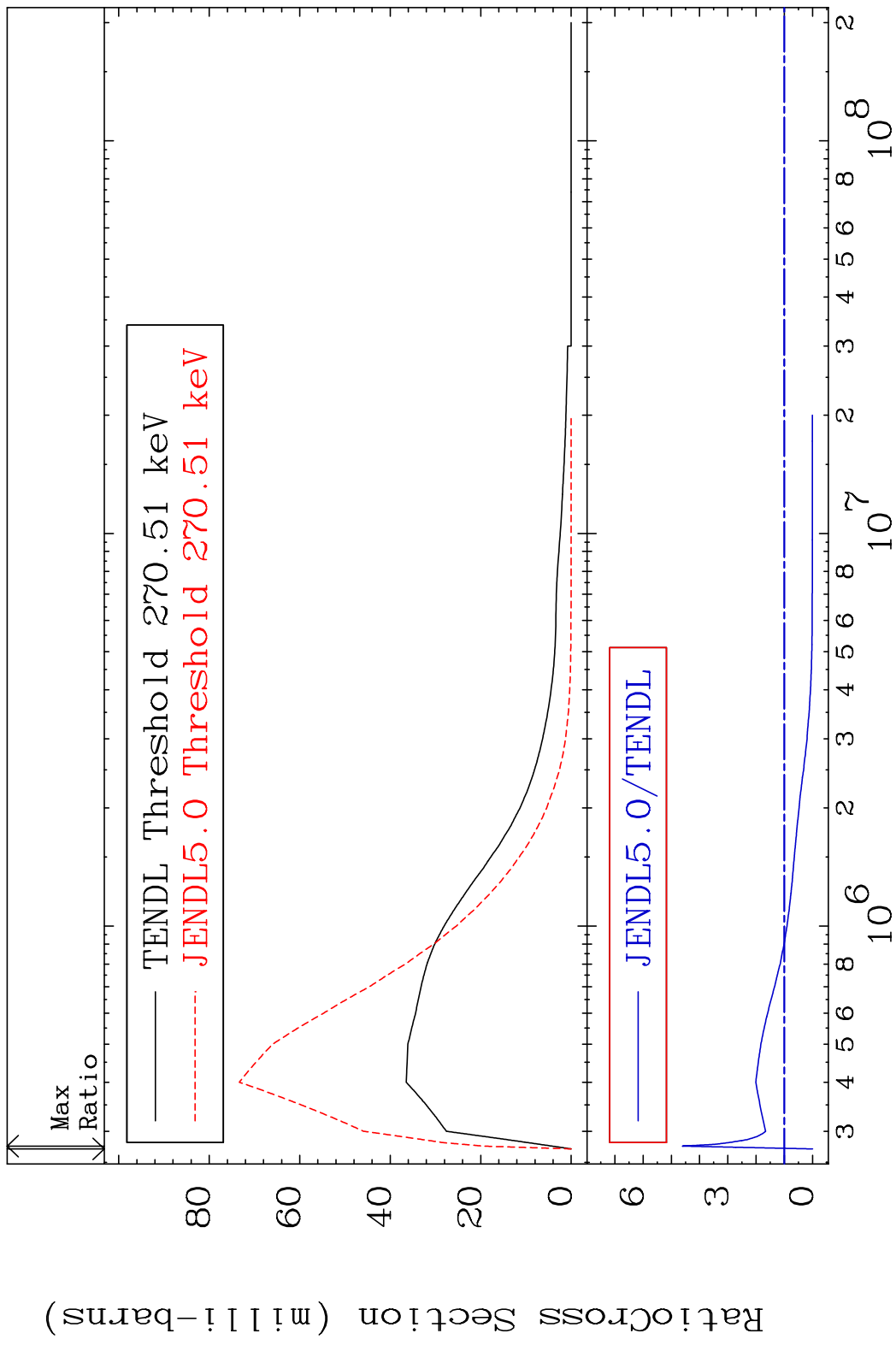


30 Incident Energy (eV) 65-Tb-160

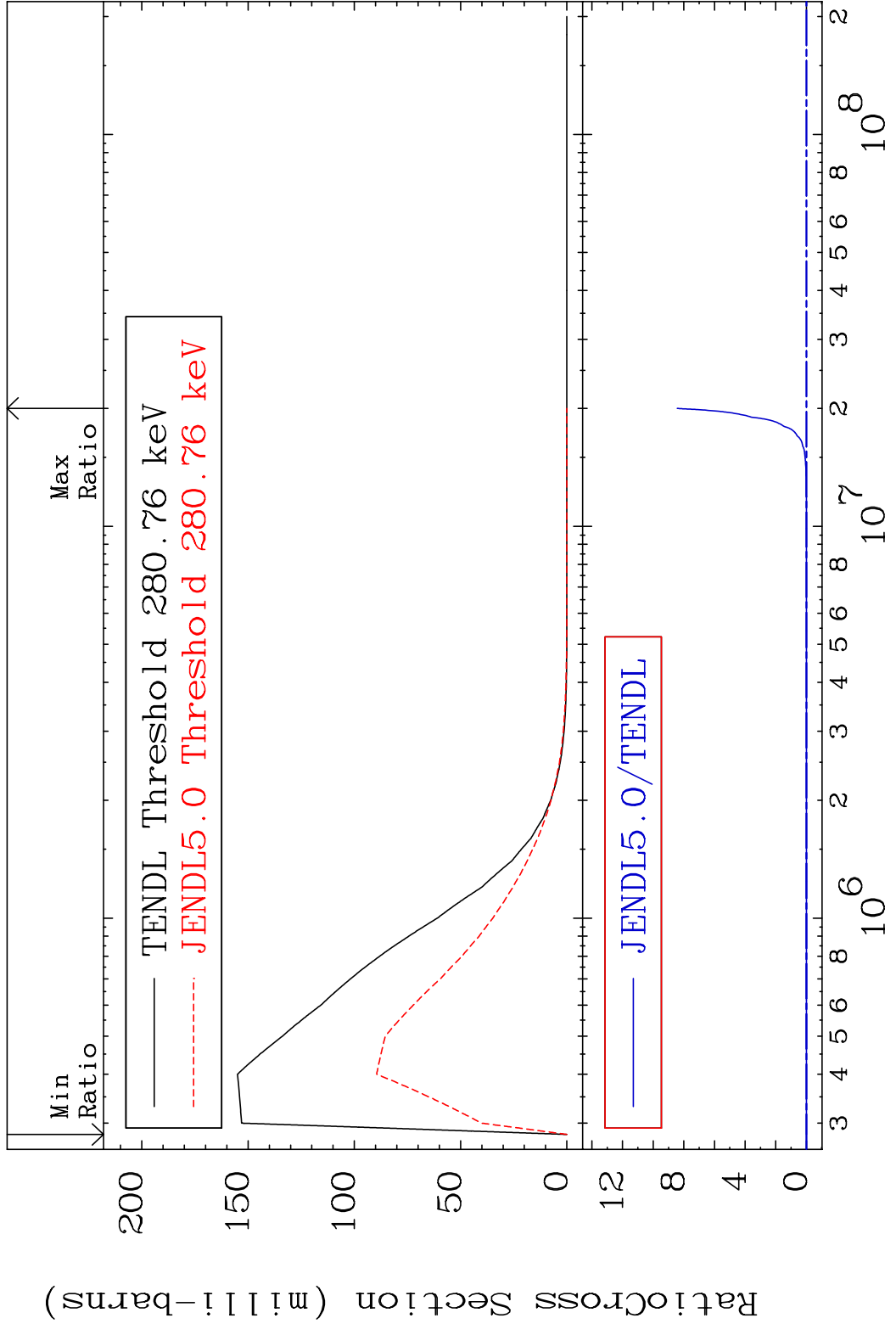
MAT 6528 MT= 70 (n,n') Level 65-Tb-160
 Cross Section -100.0 To 522.9 %



MAT 6528 MT= 71 (n,n') Level 65-Tb-160
 Cross Section -100.0 To 361.0 %



MAT 6528 MT= 72 (n,n') Level 65-Tb-160
 Cross Section -100.0 To 9999. %

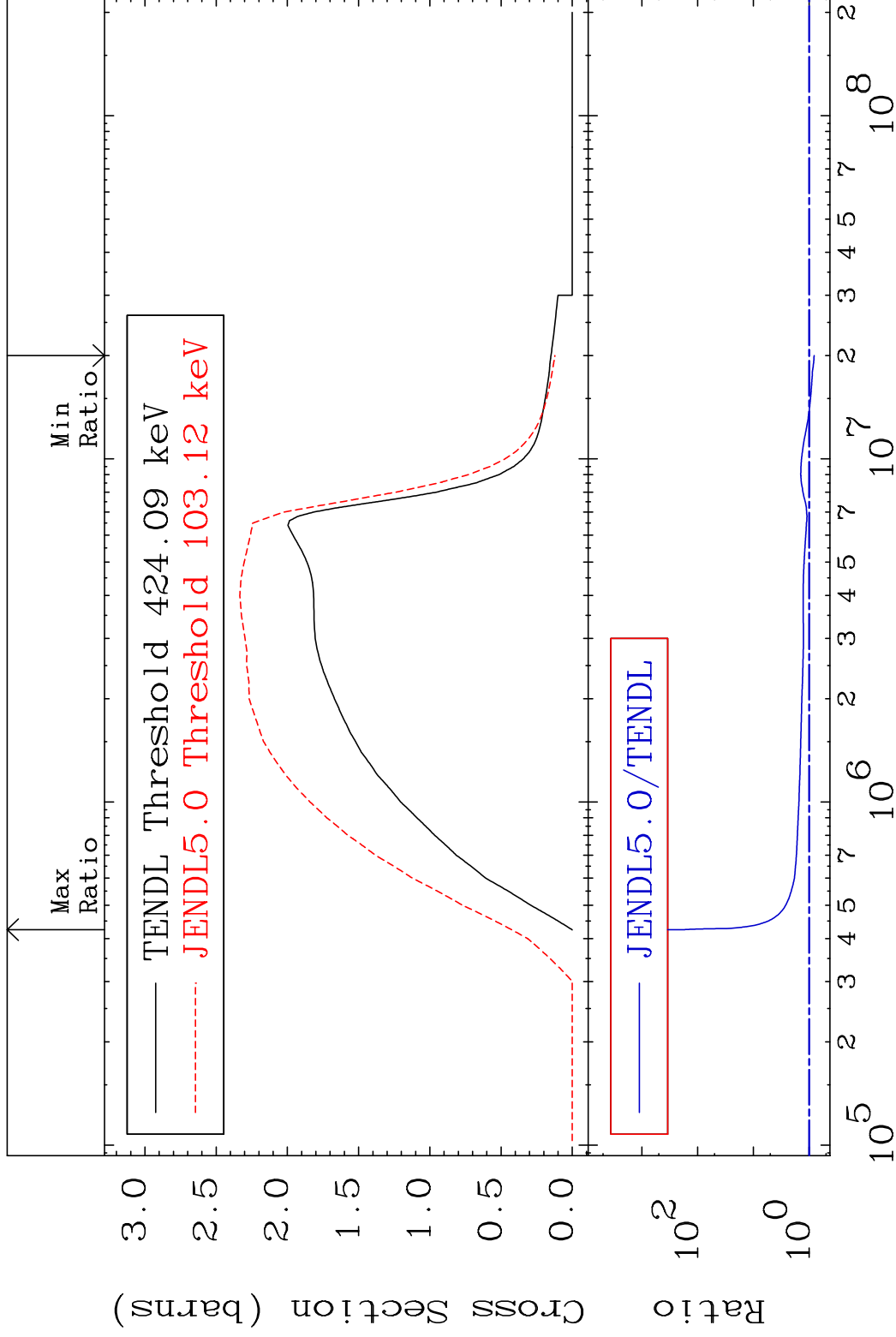


MAT 6528

(n,n') Continuum

65-Tb-160

Cross Section -18.29 To 9999. %



34

Incident Energy (eV)

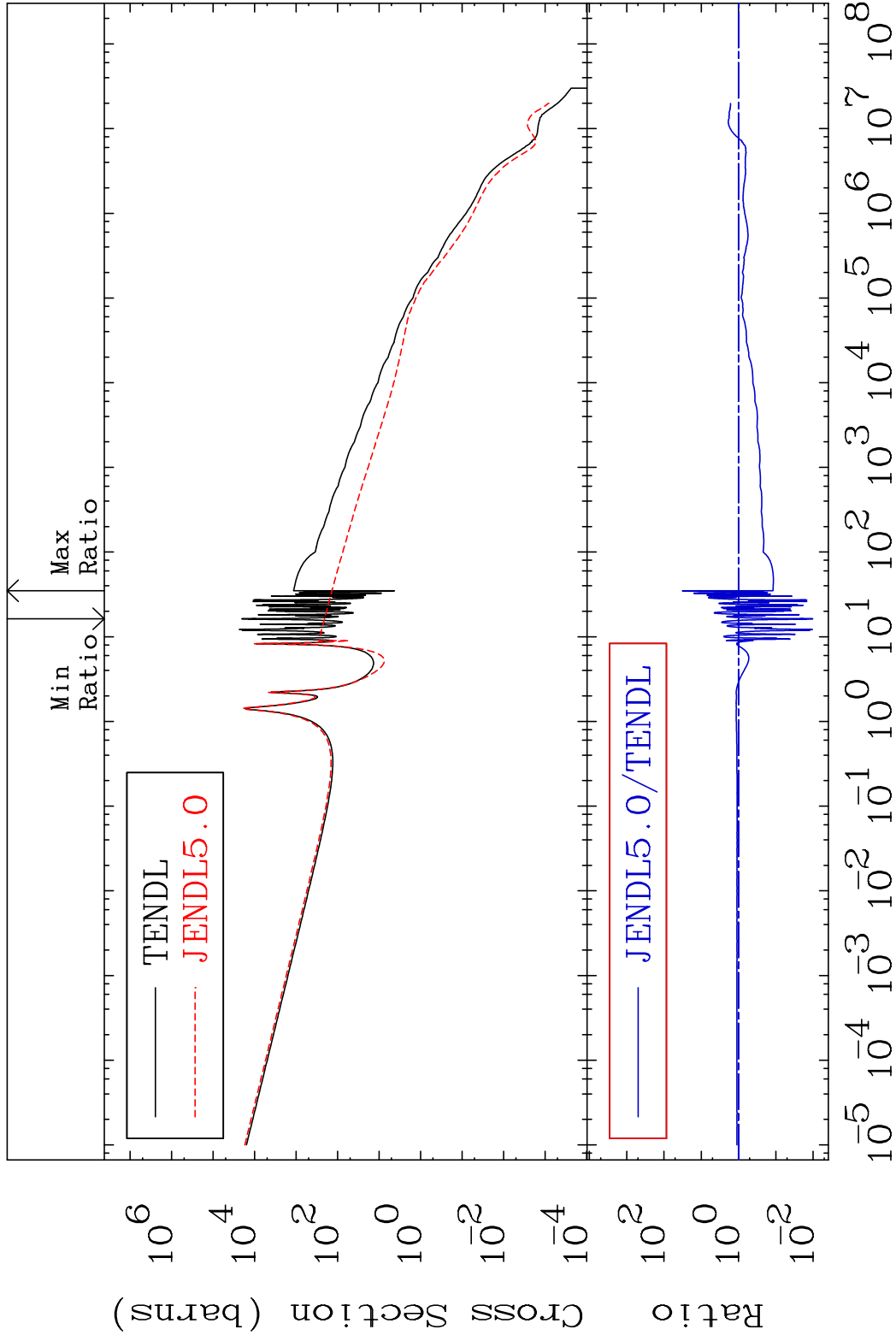
65-Tb-160

MAT 6528

(n, γ)

65-Tb-160

Cross Section -98.97 To 3113. %



35

Incident Energy (eV)

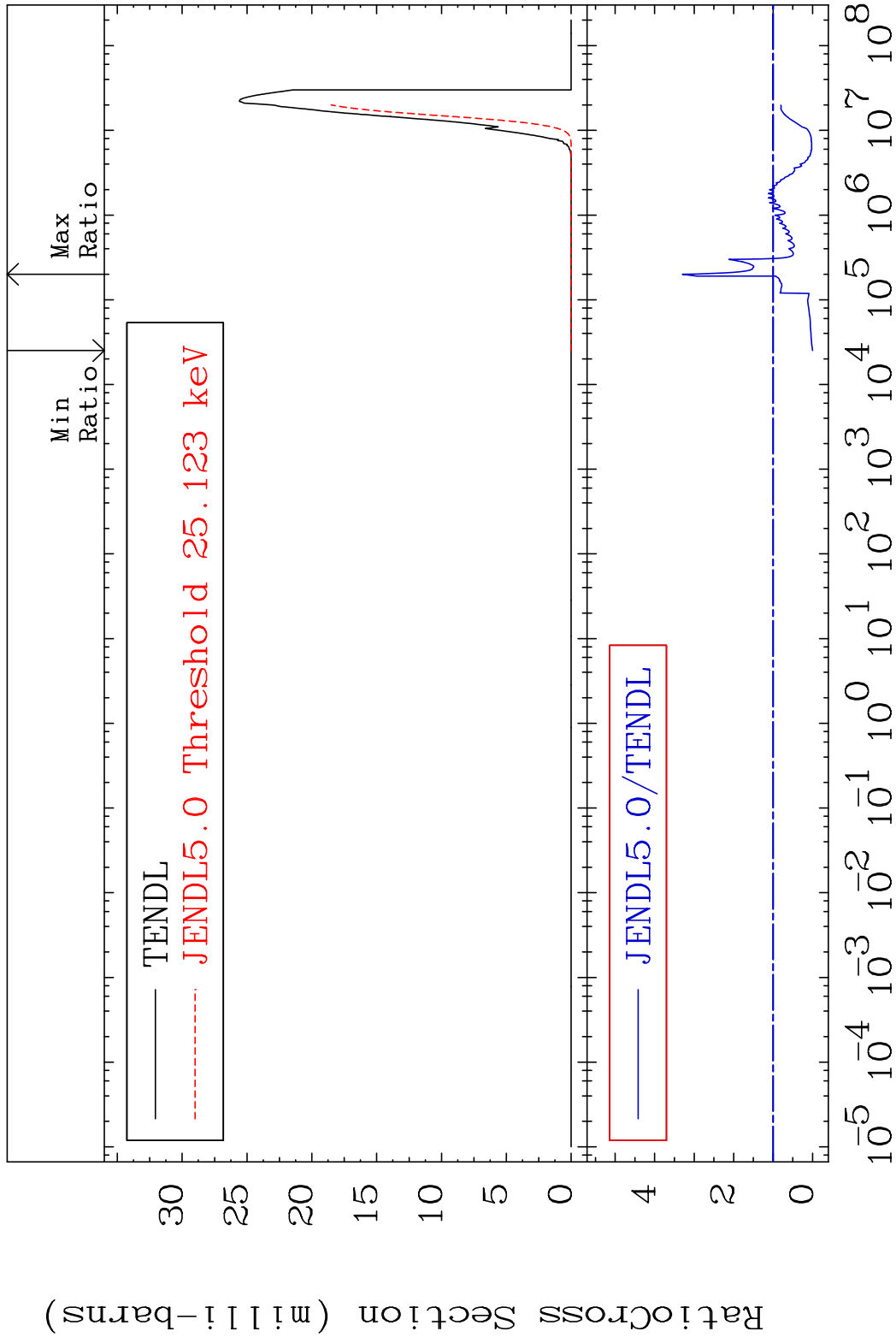
65-Tb-160

MAT 6528

(n, p)

65-Tb-160

Cross Section -100.0 To 229.9 %

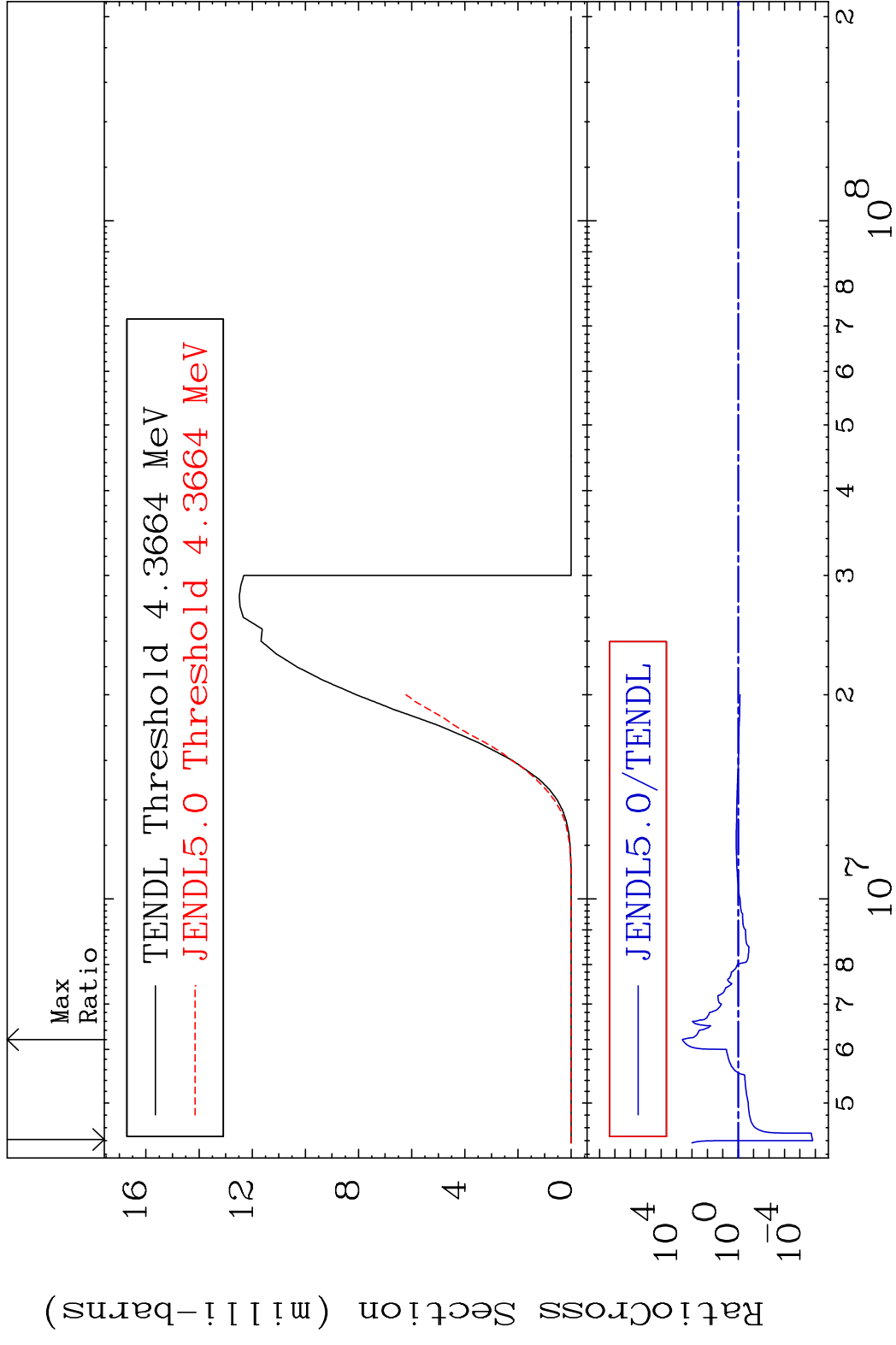


36

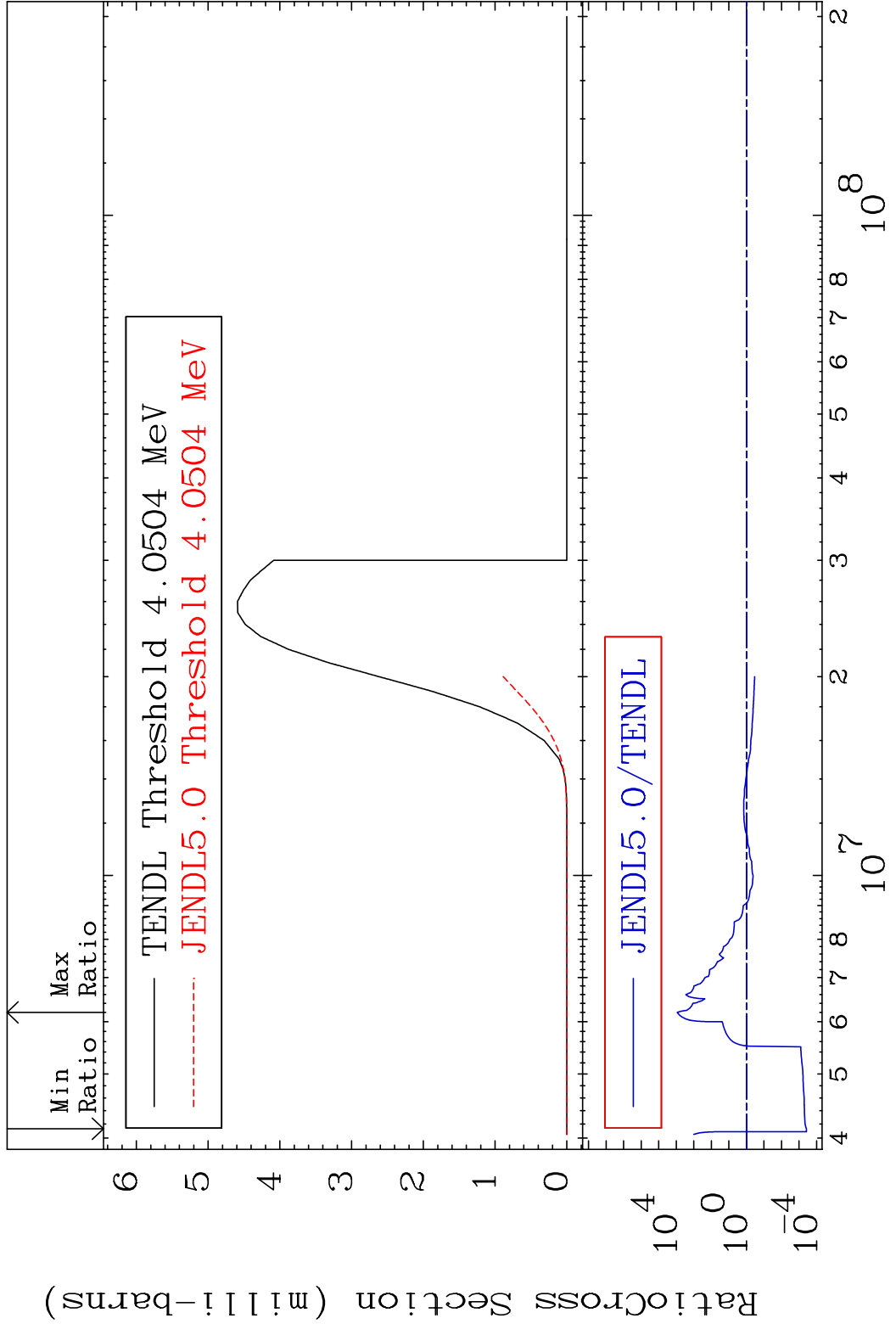
Incident Energy (eV)

65-Tb-160

MAT 6528 (n,d) 65-Tb-160
 Cross Section -100.0 To 9999. %



MAT 6528 (n, t) 65-Tb-160
 Cross Section -99.96 To 9999. %

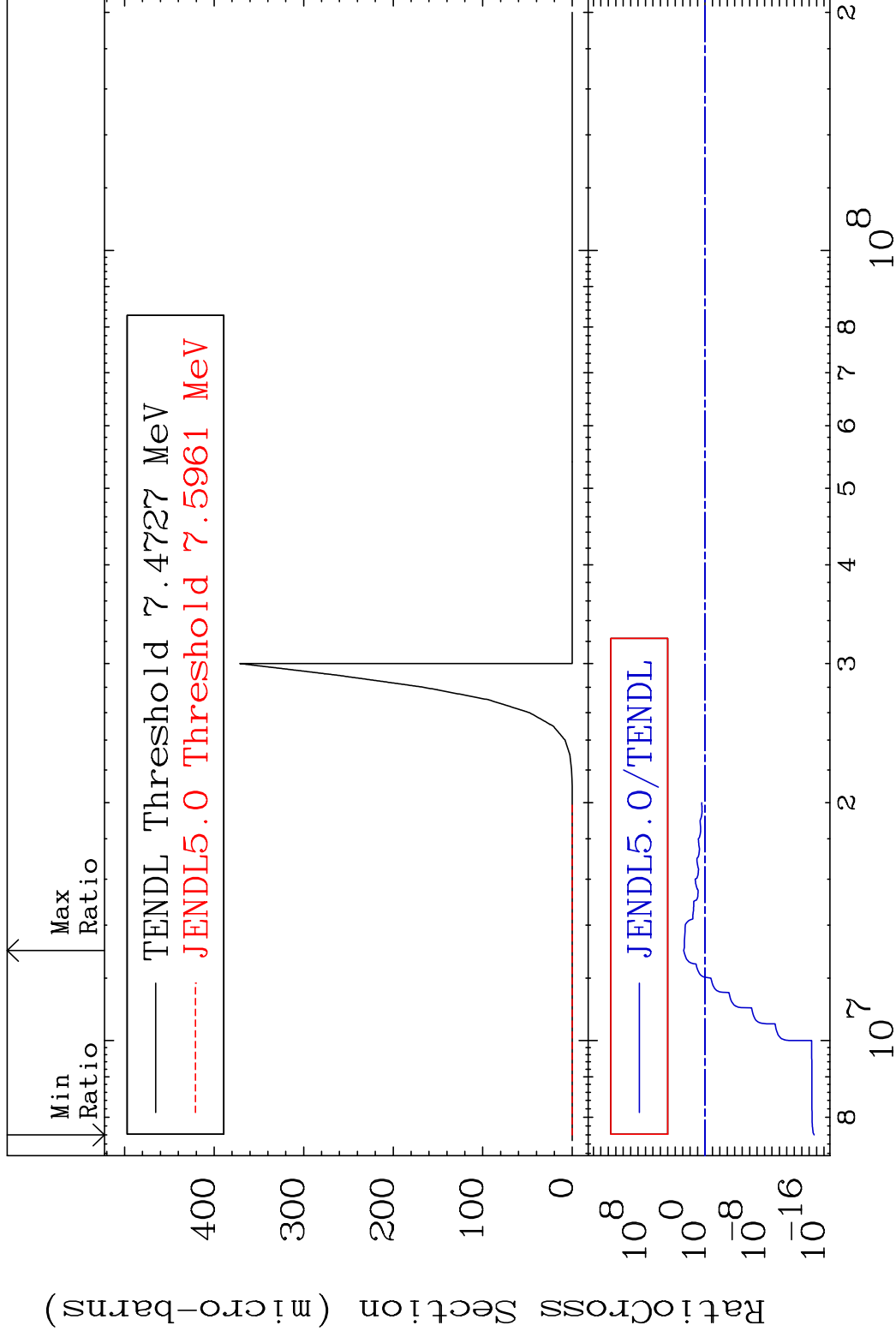


MAT 6528

(n, He-3)

65-Tb-160

Cross Section -100.0 To 9999. %



39

Incident Energy (eV)

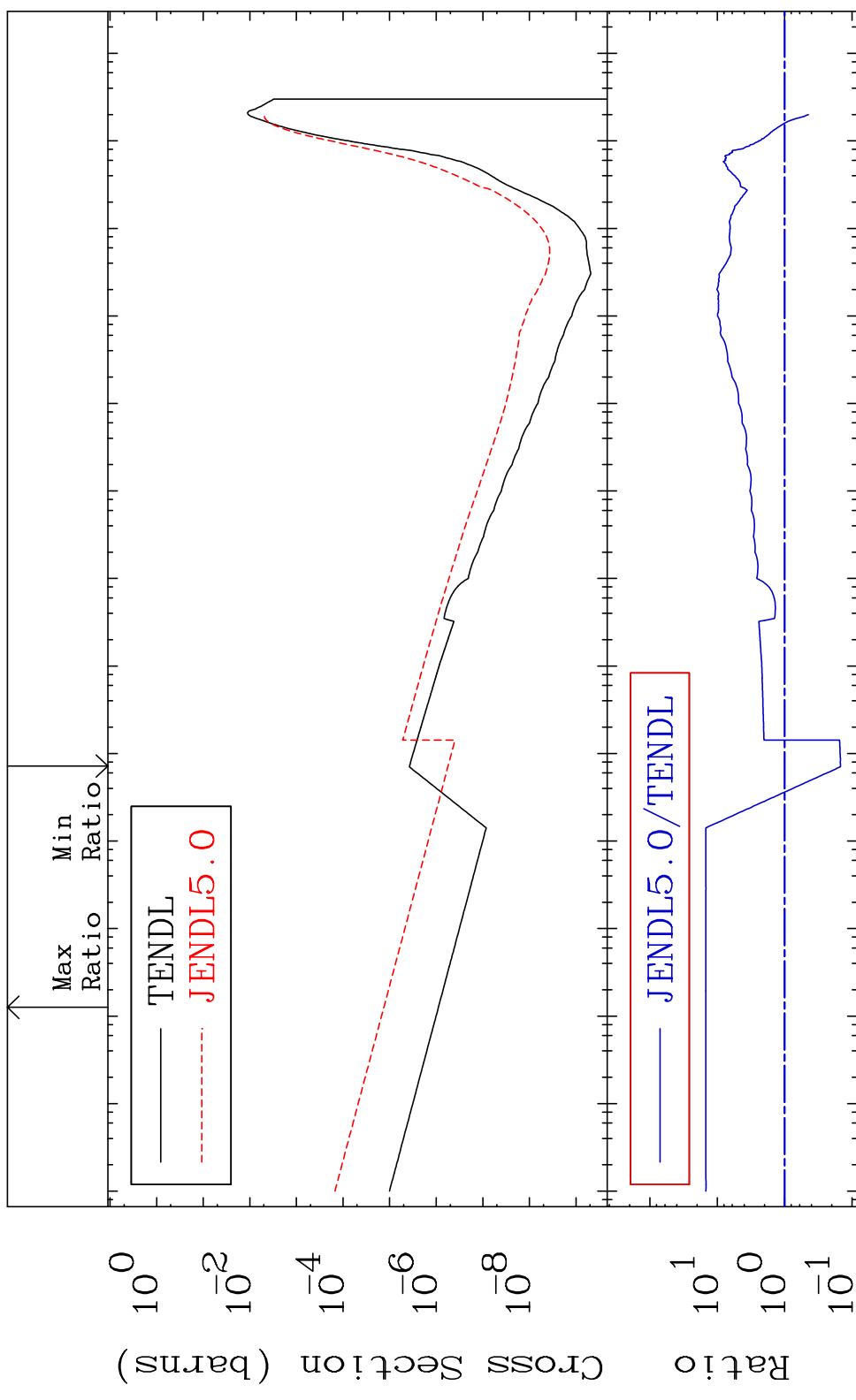
65-Tb-160

MAT 6528

(n, α)

65-Tb-160

Cross Section -85.12 To 1385. %



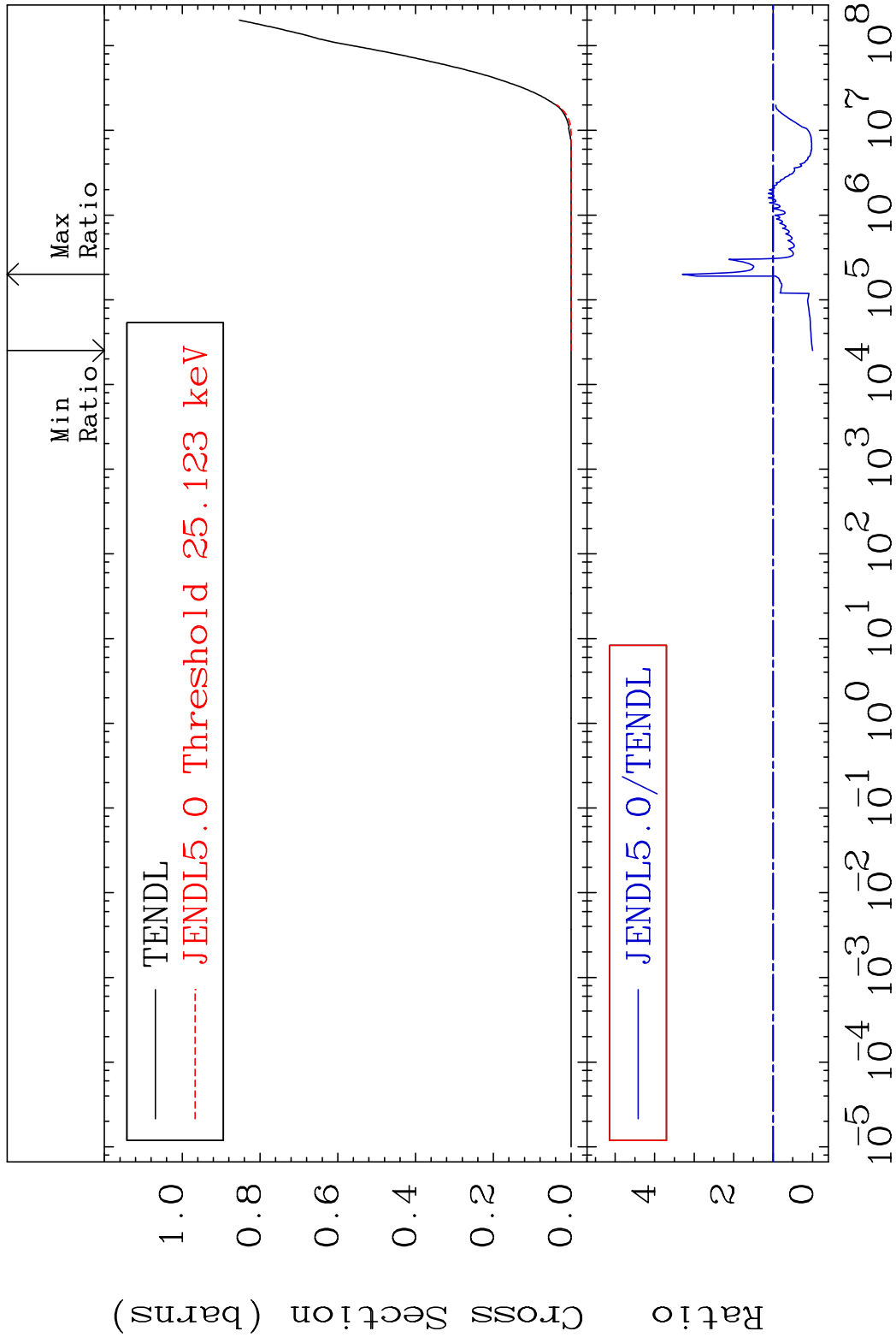
40

Incident Energy (eV)

65-Tb-160

MAT 6528

Hydrogen Production 65-Tb-160
Cross Section -100.0 To 229.9 %



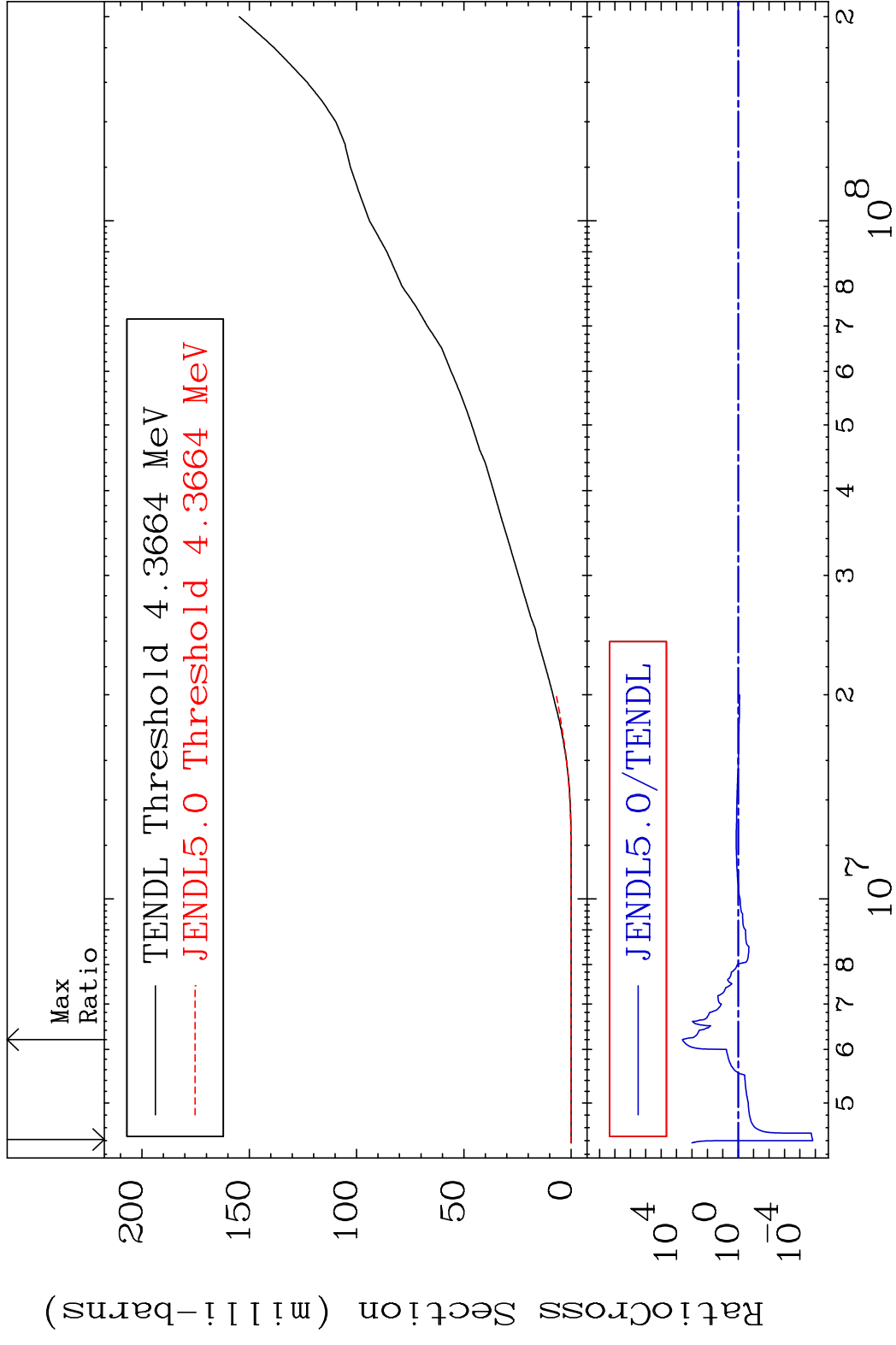
41

Incident Energy (eV)

65-Tb-160

MAT 6528

Deuterium Production 65-Tb-160
Cross Section -100.0 To 9999. %

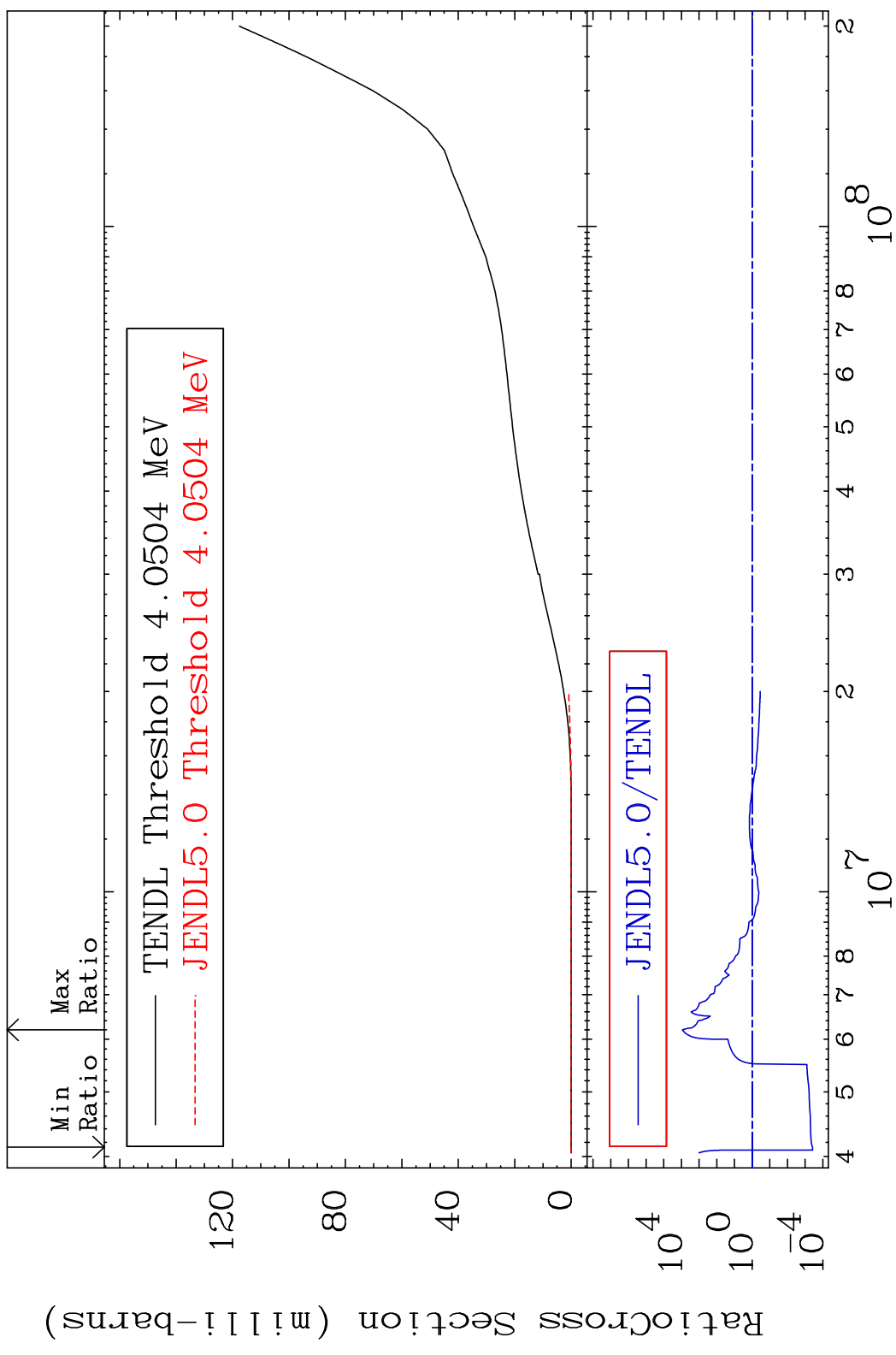


MAT 6528

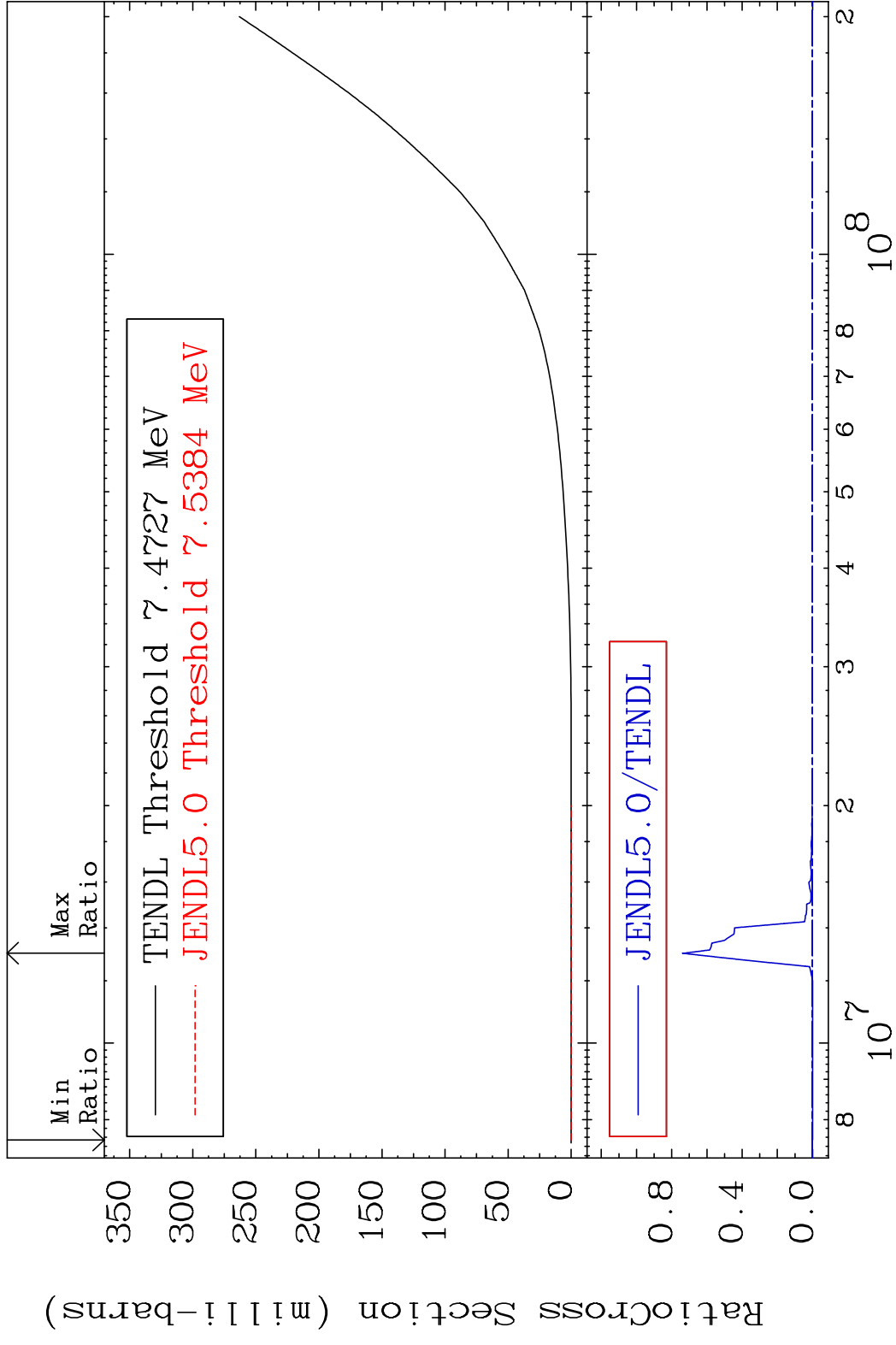
Tritium Production

65-Tb-160

Cross Section -99.96 To 9999. %



MAT 6528 He-3 Production 65-Tb-160
 Cross Section -100.0 To 9999. %

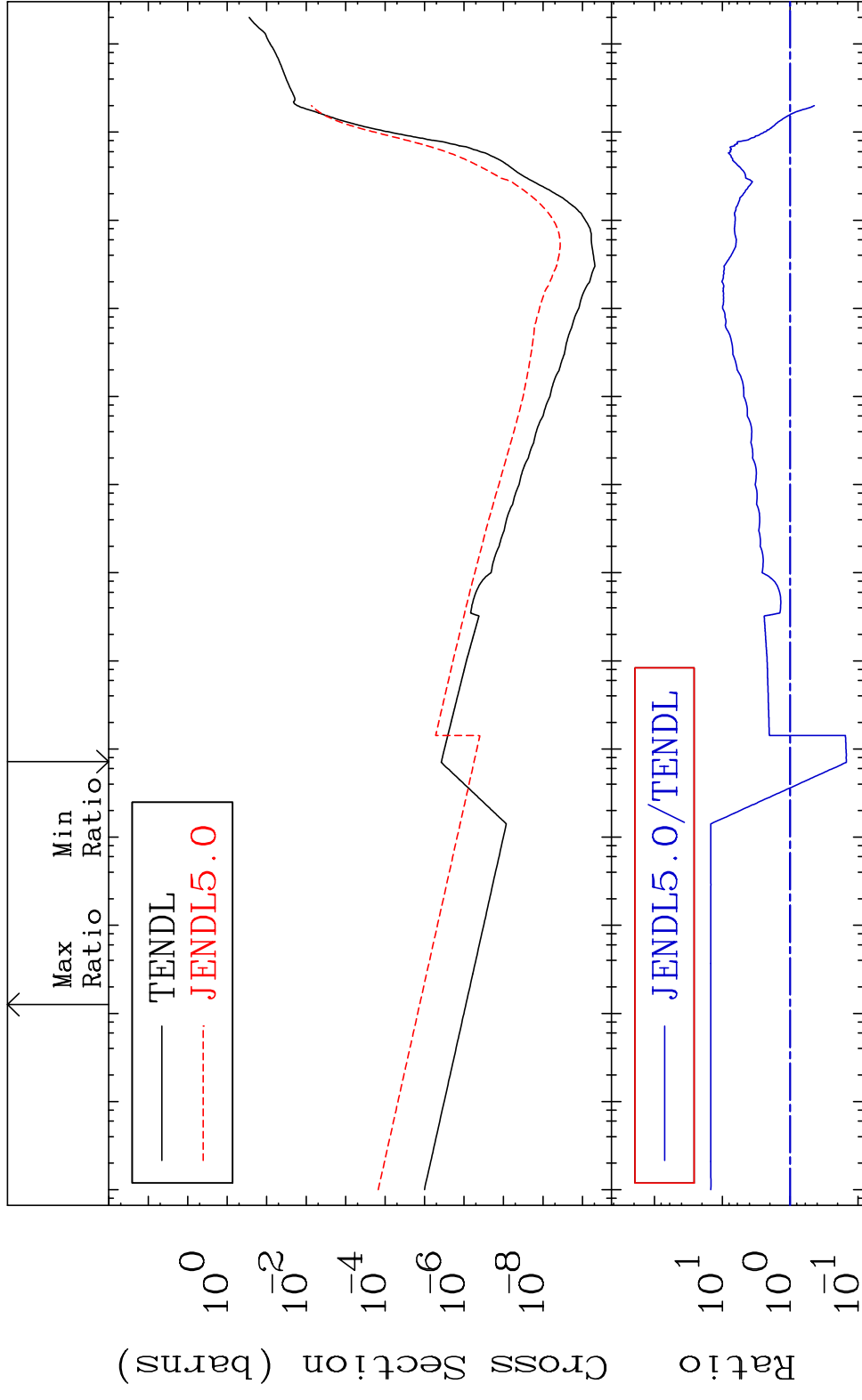


MAT 6528

He-4 Production

65-Tb-160

Cross Section -85.12 To 1385. %

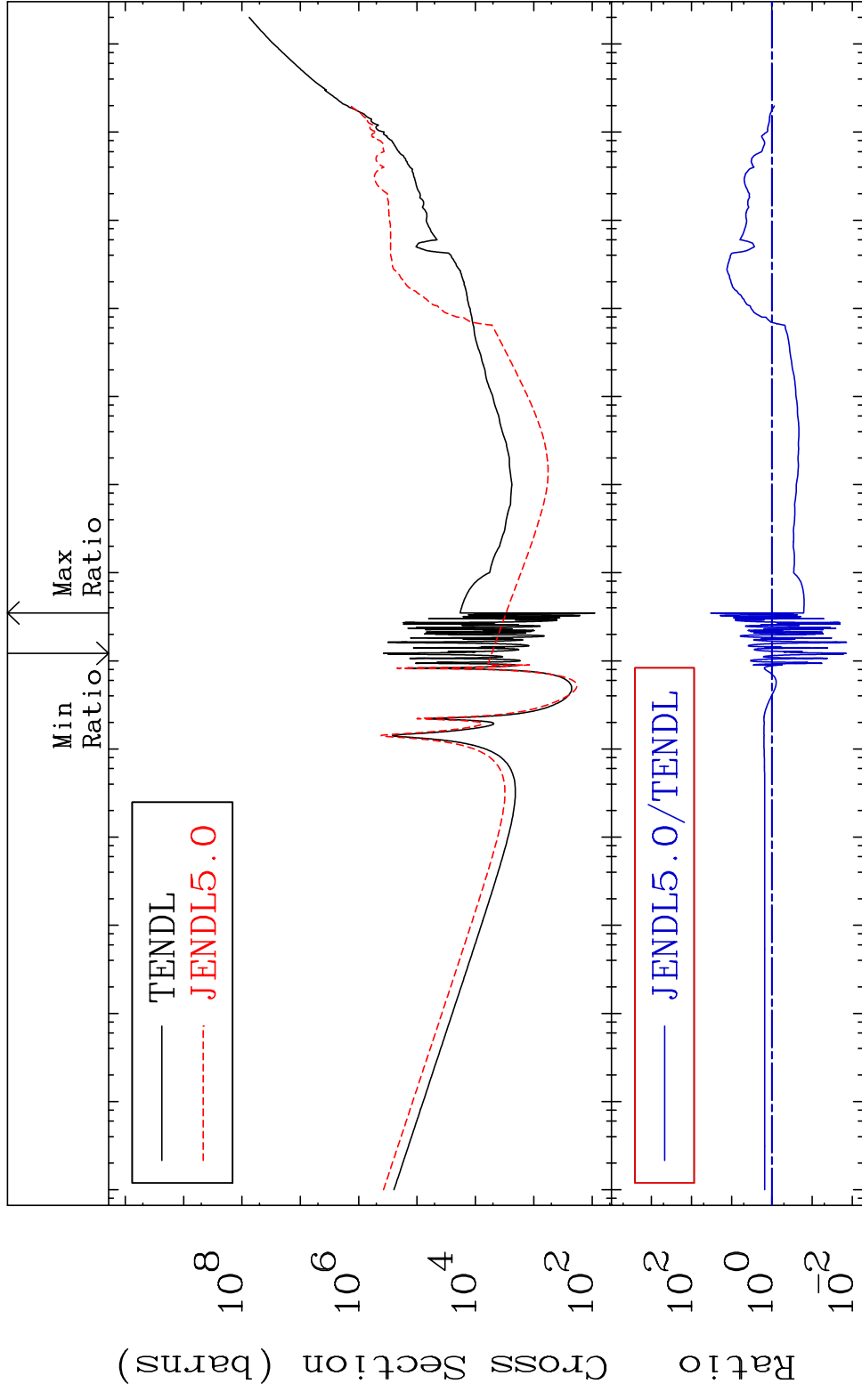


45

Incident Energy (eV)

65-Tb-160

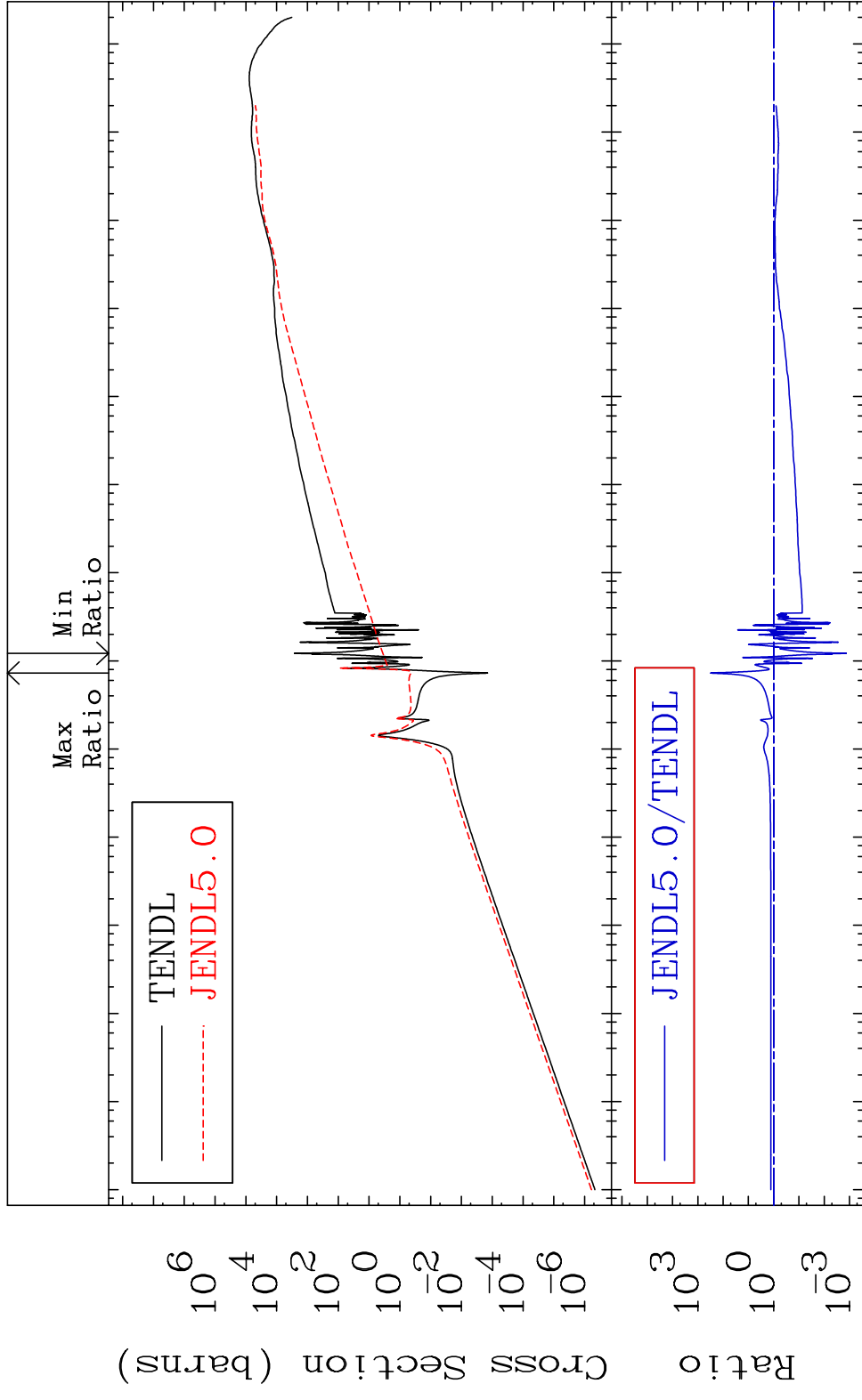
MAT 6528 Kerma total (eV-barns) 65-Tb-160
 Cross Section -98.59 To 3228. %



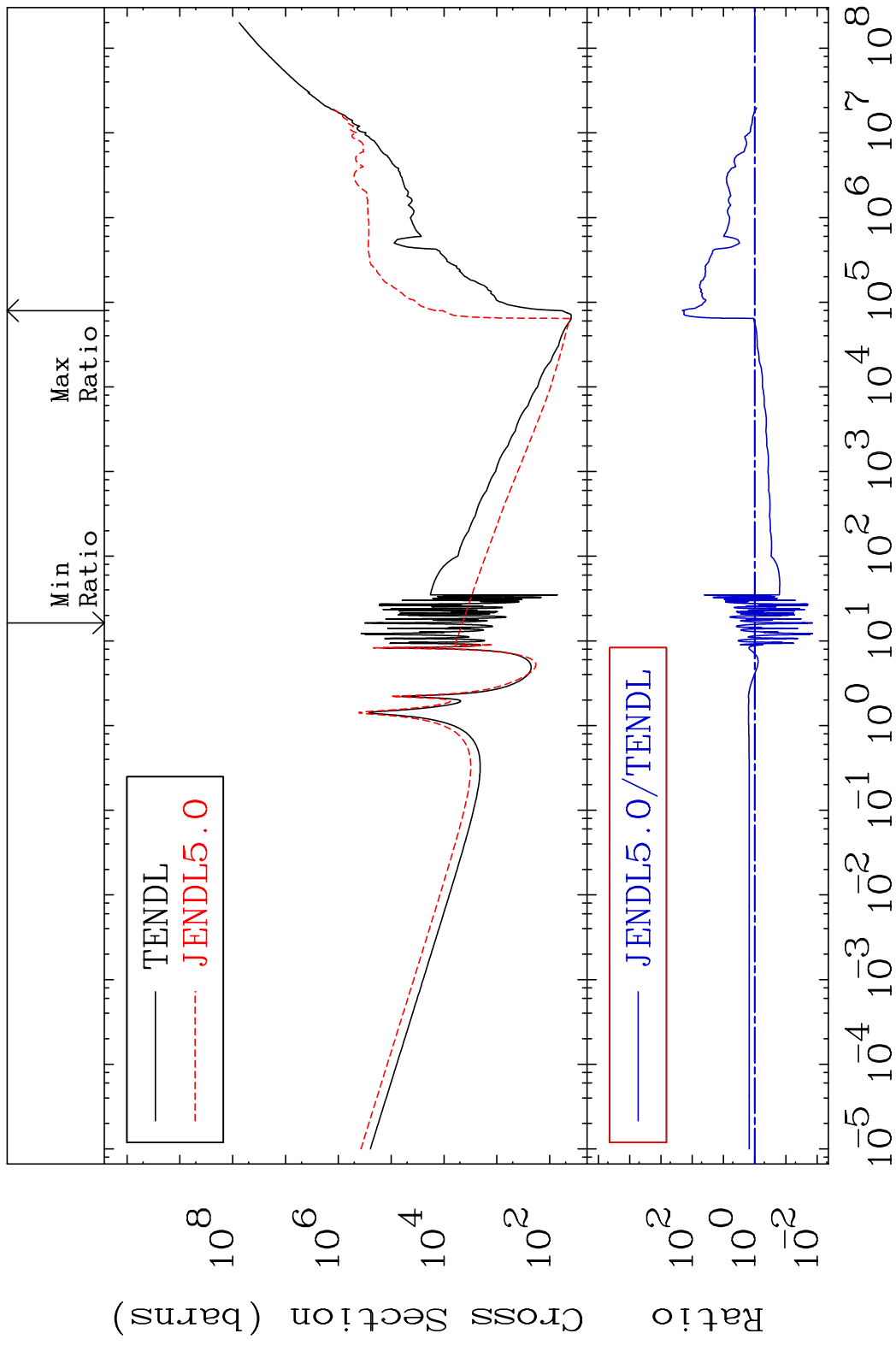
MAT 6528

Kerma elastic Cross Section -99.87 To 9999. %

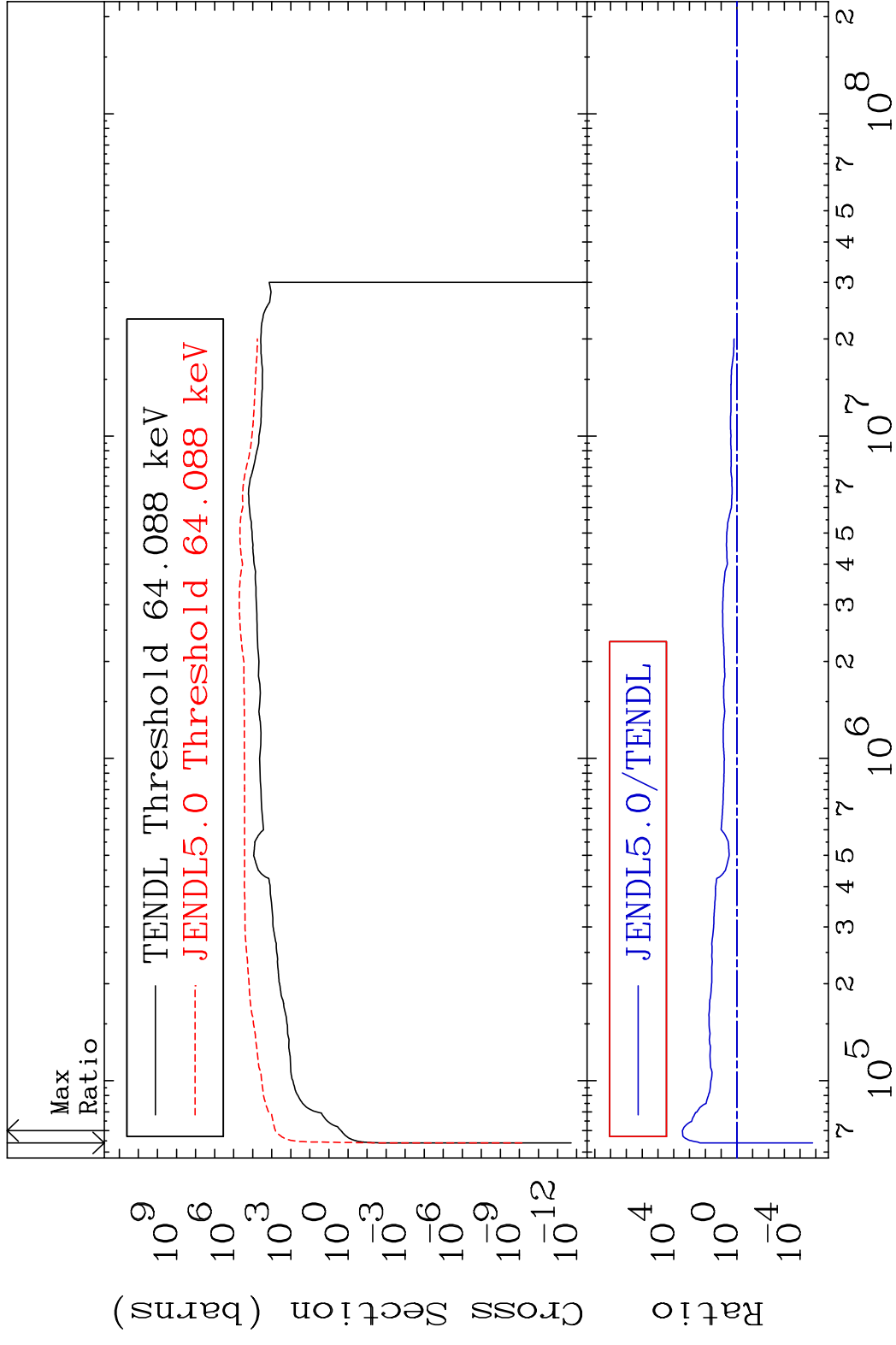
65-Tb-160



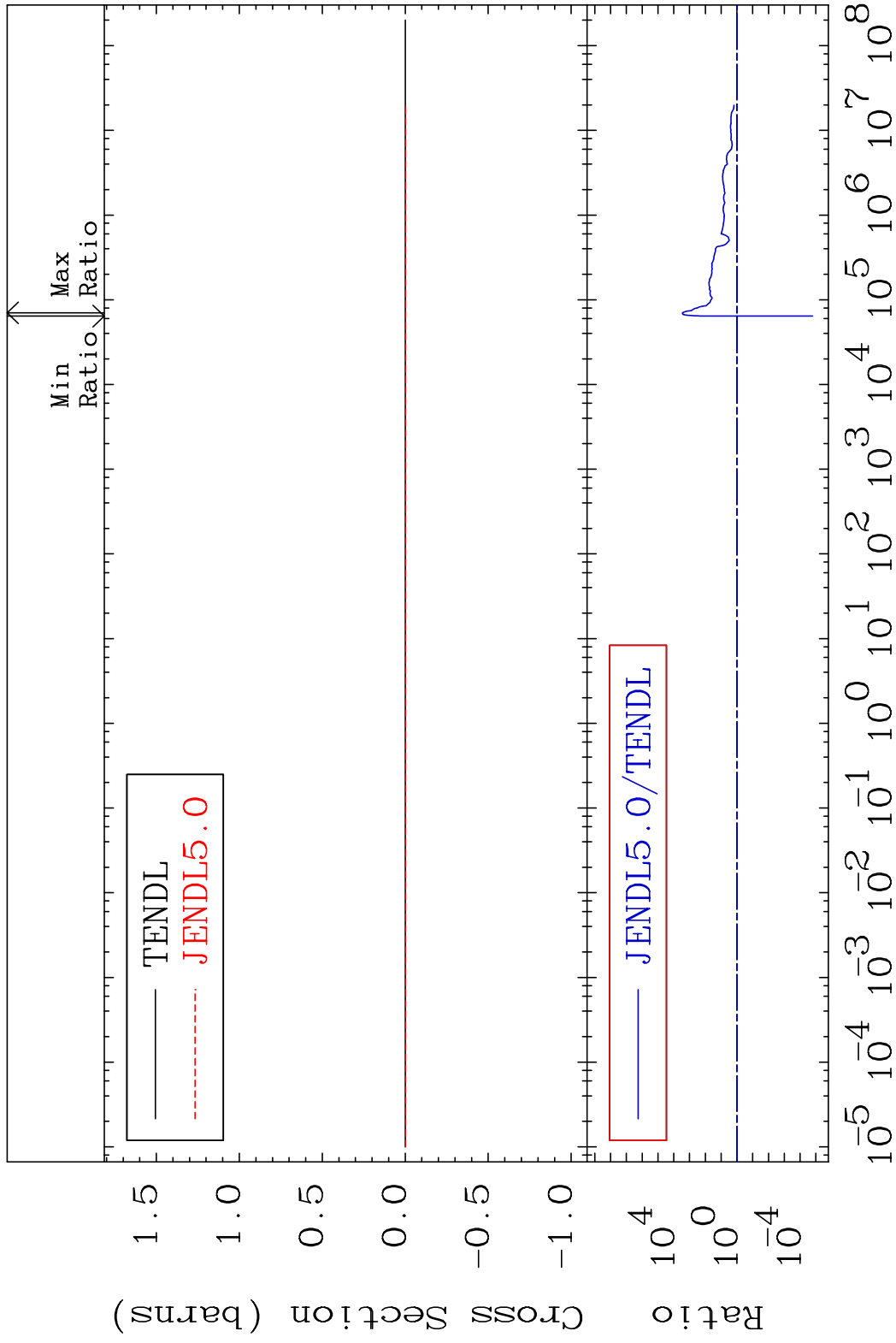
MAT 6528 Kerma non-elastic (all but mt2) 65-Tb-160
 Cross Section -98.58 To 9999. %



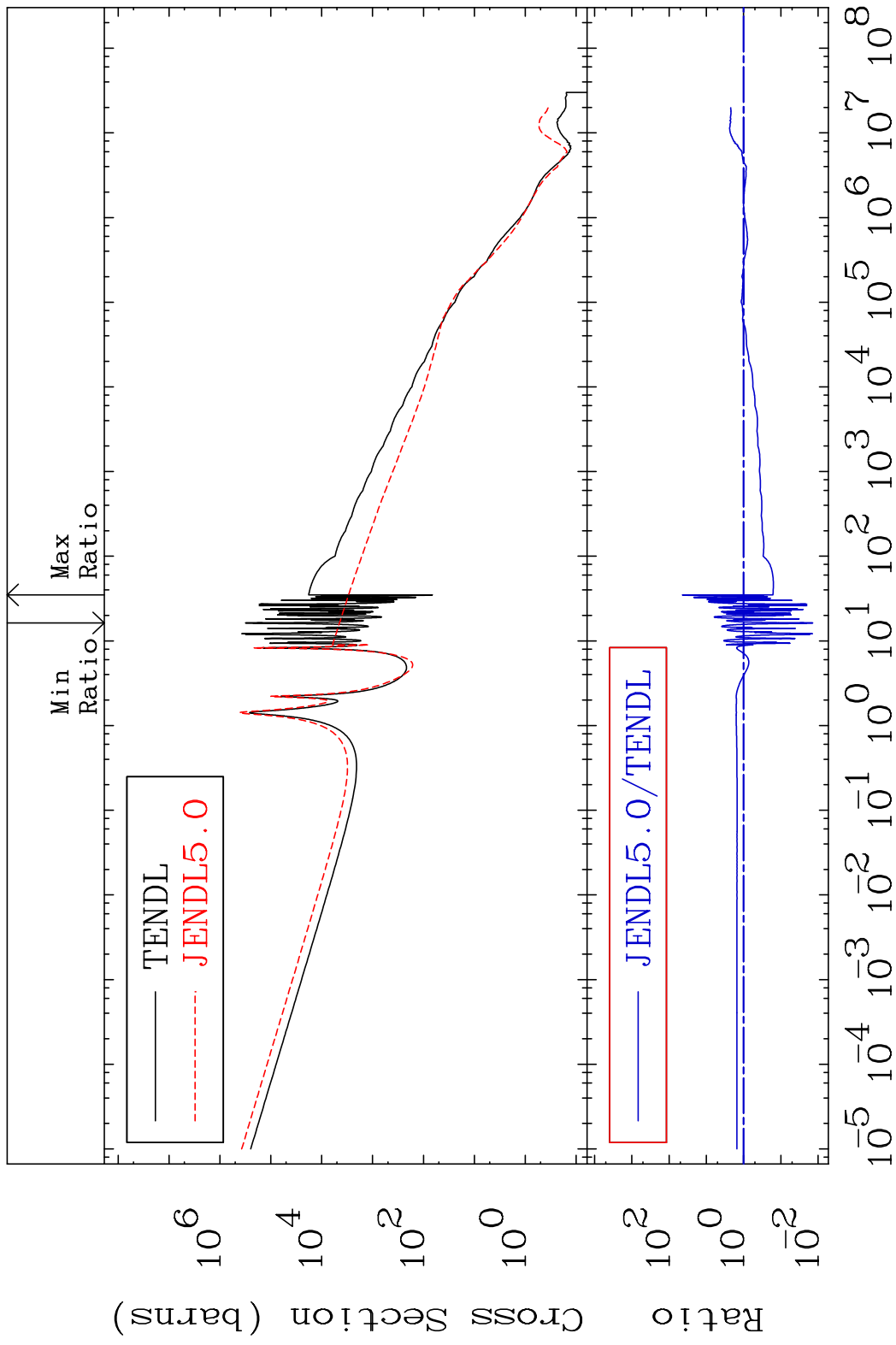
MAT 6528 Kerma inelastic (mt51-91) 65-Tb-160
 Cross Section -100.0 To 9999. %



MAT 6528 Kerma fission (mt18 or mt19-20-21-38) 65-Tb-160
 Cross Section -100.0 To 9999. %

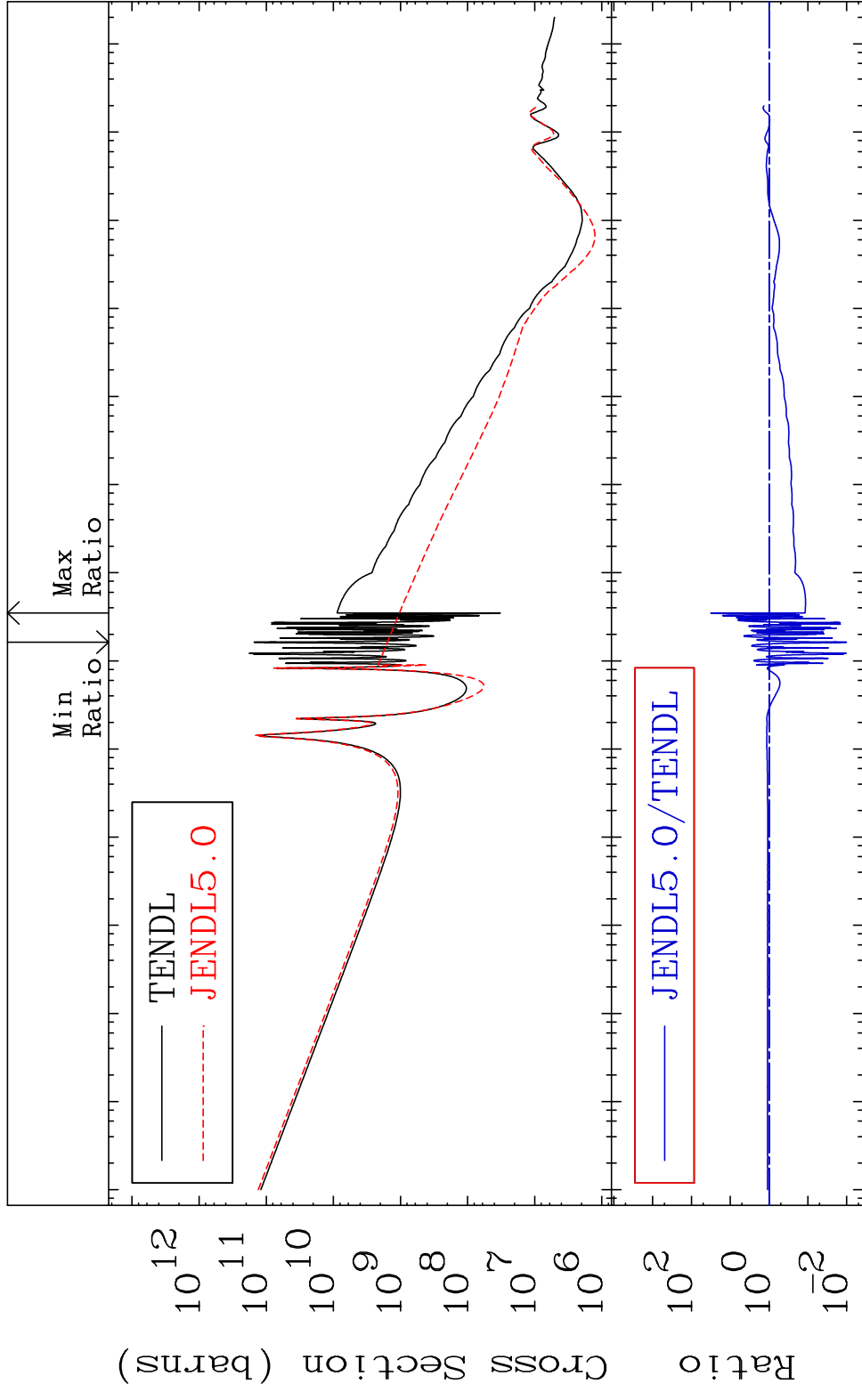


MAT 6528 Kerma capture (mt102) 65-Tb-160
 Cross Section -98.59 To 4304. %

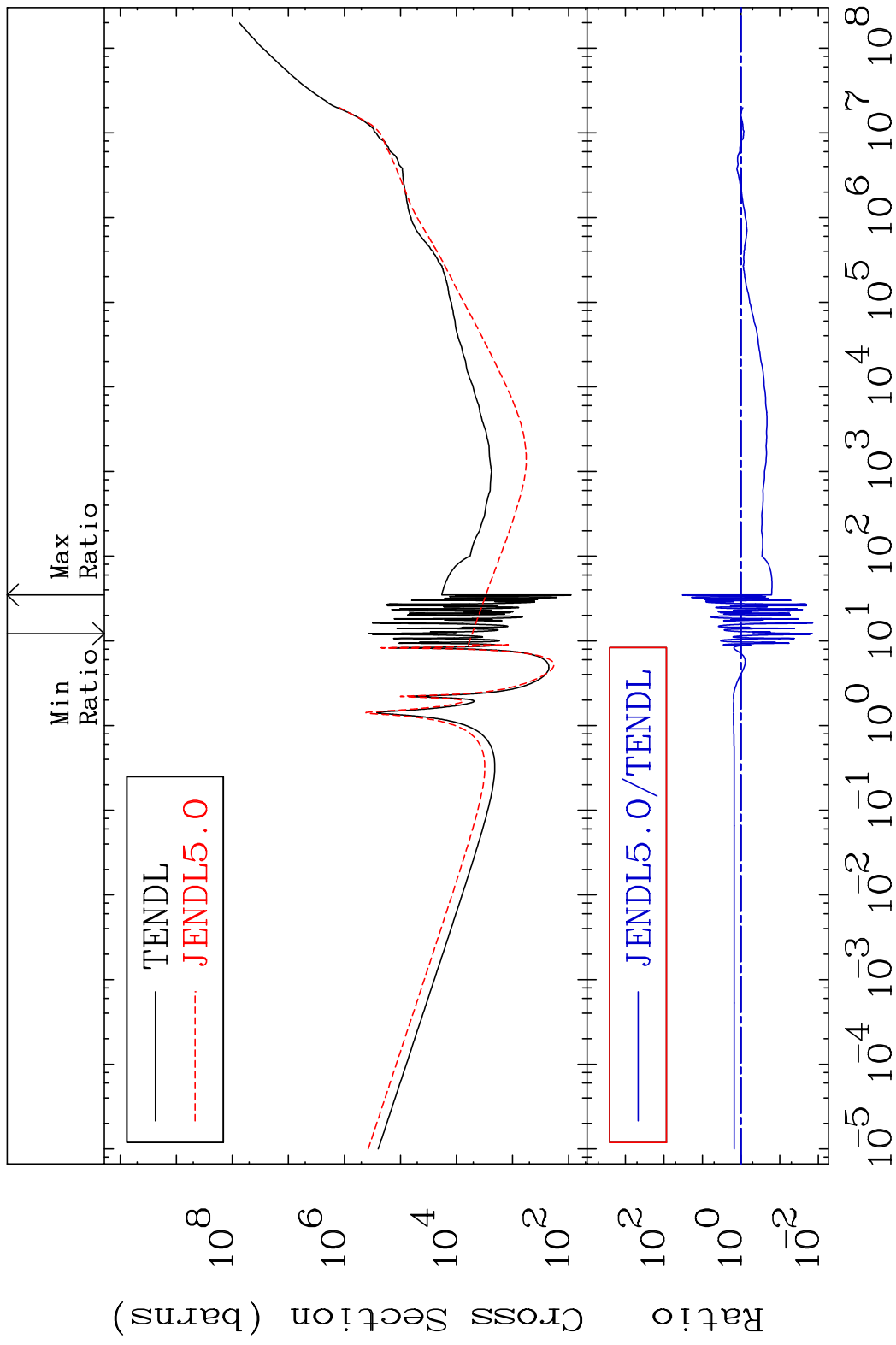


MAT 6528

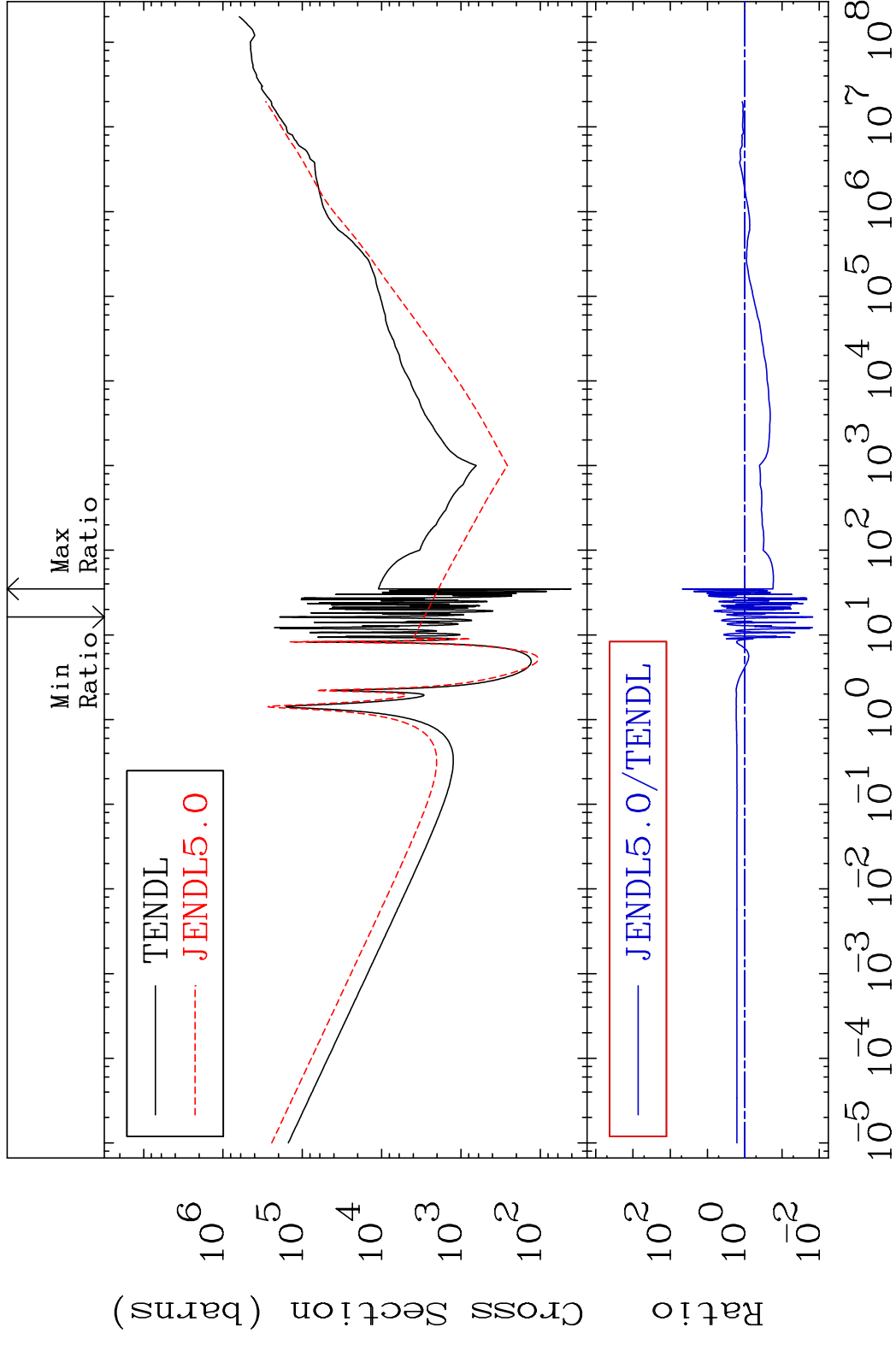
Total photon (eV-barns) 65-Tb-160
Cross Section -98.98 To 3088. %



MAT 6528 Total kinematic kerma (high limit) 65-Tb-160
 Cross Section -98.59 To 3228. %



MAT 6528 Dpa total (eV-barns) 65-Tb-160
 Cross Section -98.48 To 4622. %

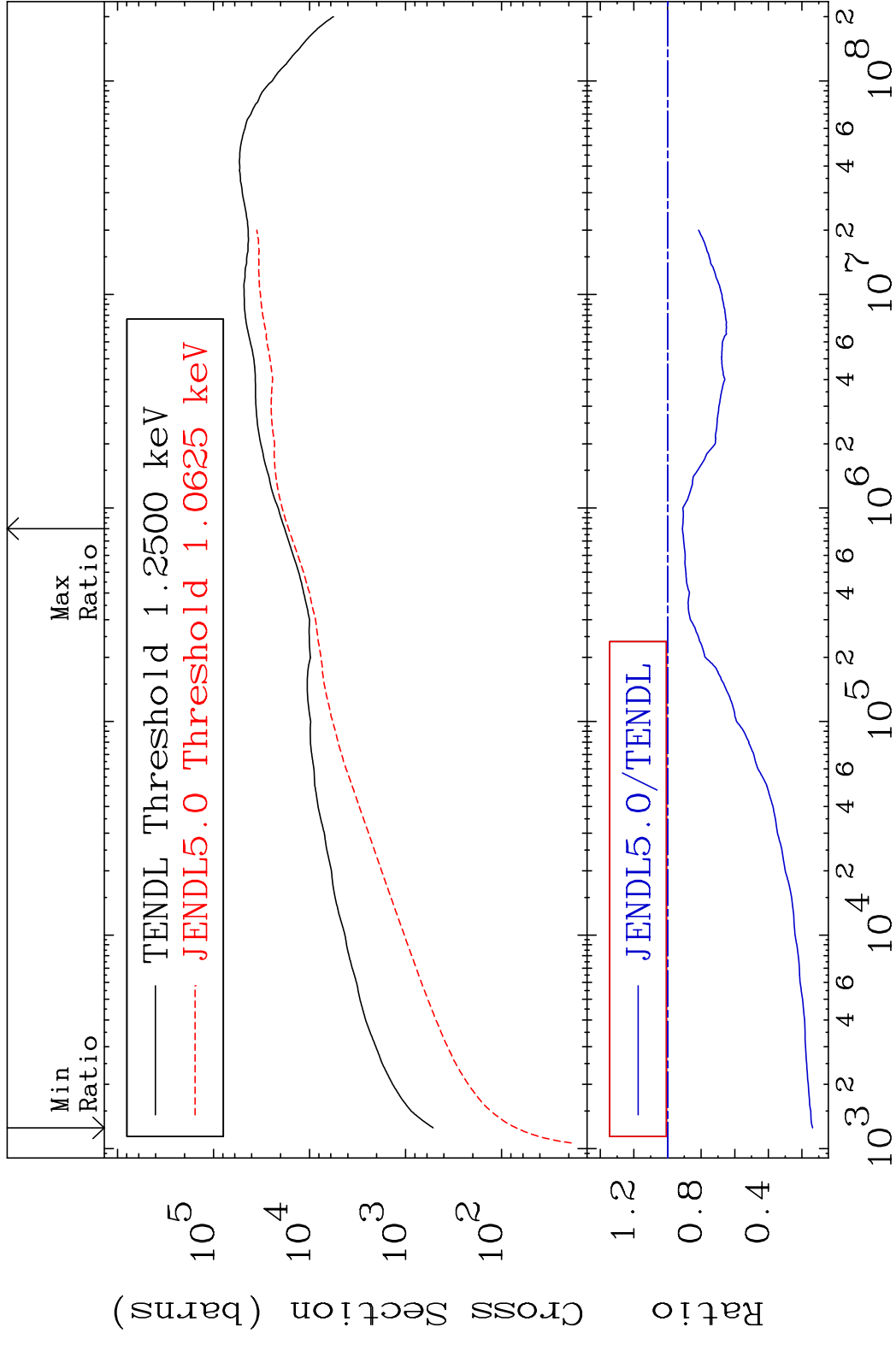


MAT 6528

Dpa elastic (mt2)

65-Tb-160

Cross Section -86.29 To -8.837%

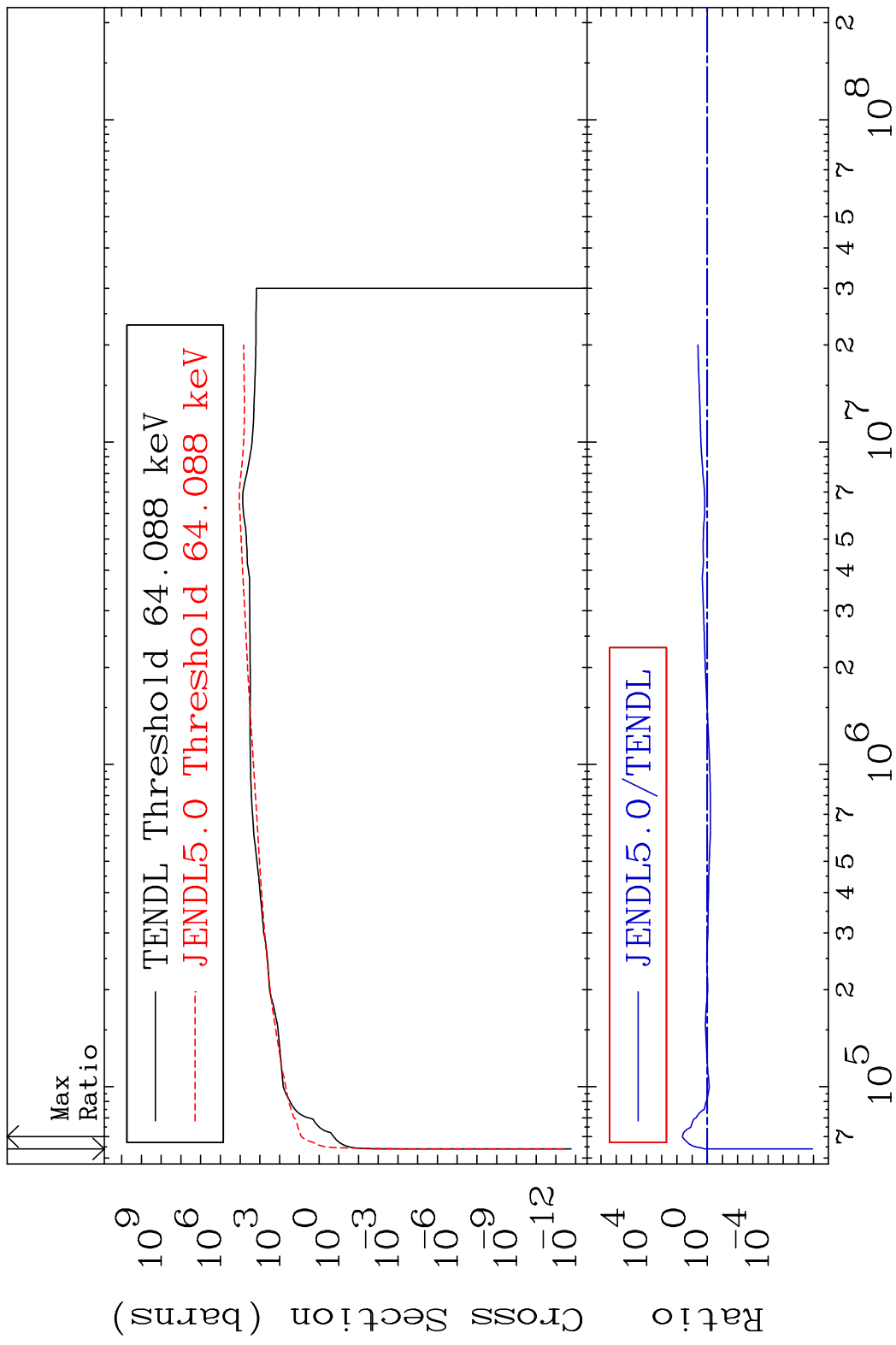


55

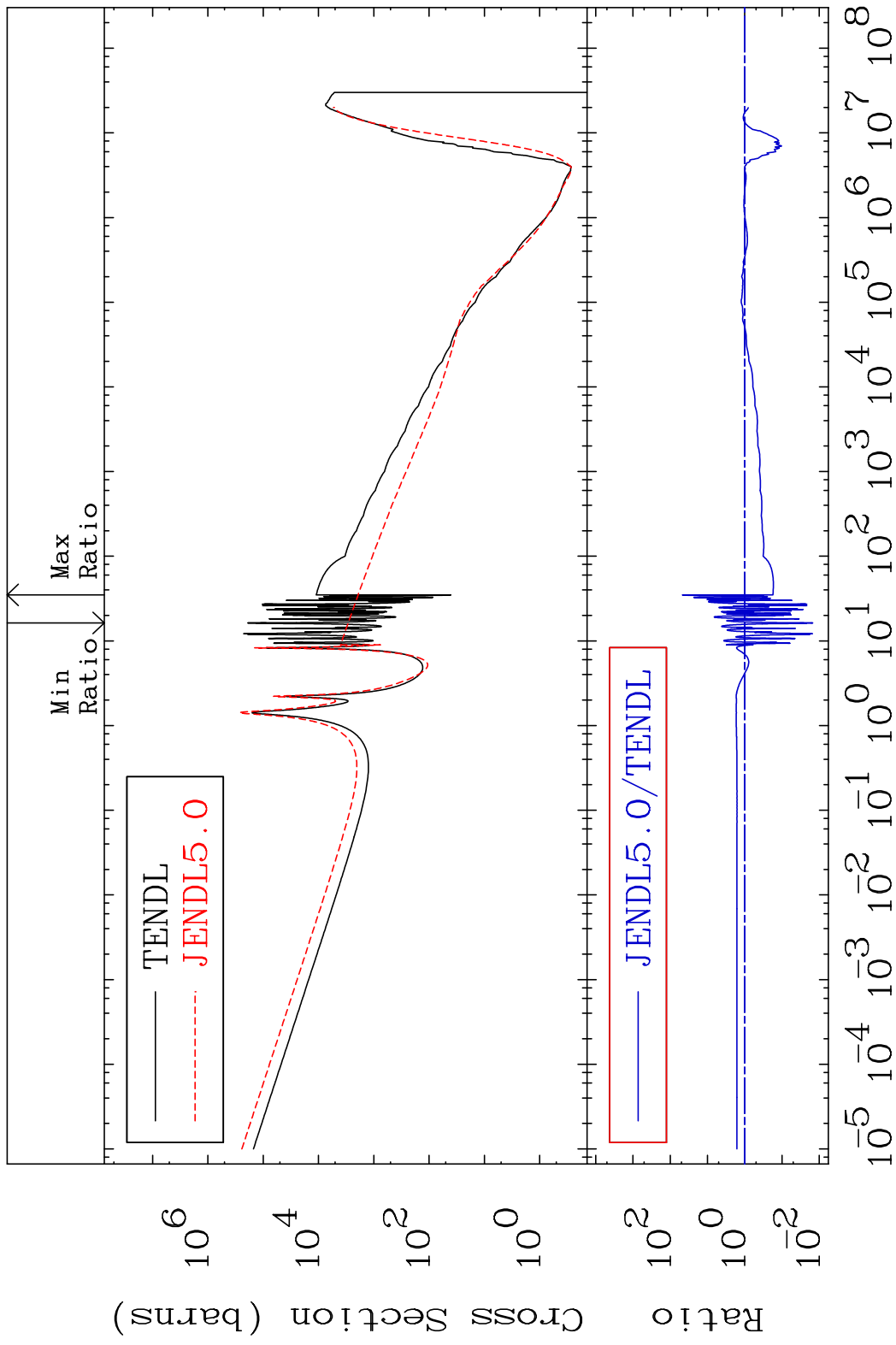
Incident Energy (eV)

65-Tb-160

MAT 6528 Dpa inelastic (mt51-91) 65-Tb-160
 Cross Section -100.0 To 4281. %



MAT 6528 Dpa disappearance (mt102 -120) 65-Tb-160
 Cross Section -98.48 To 4622. %

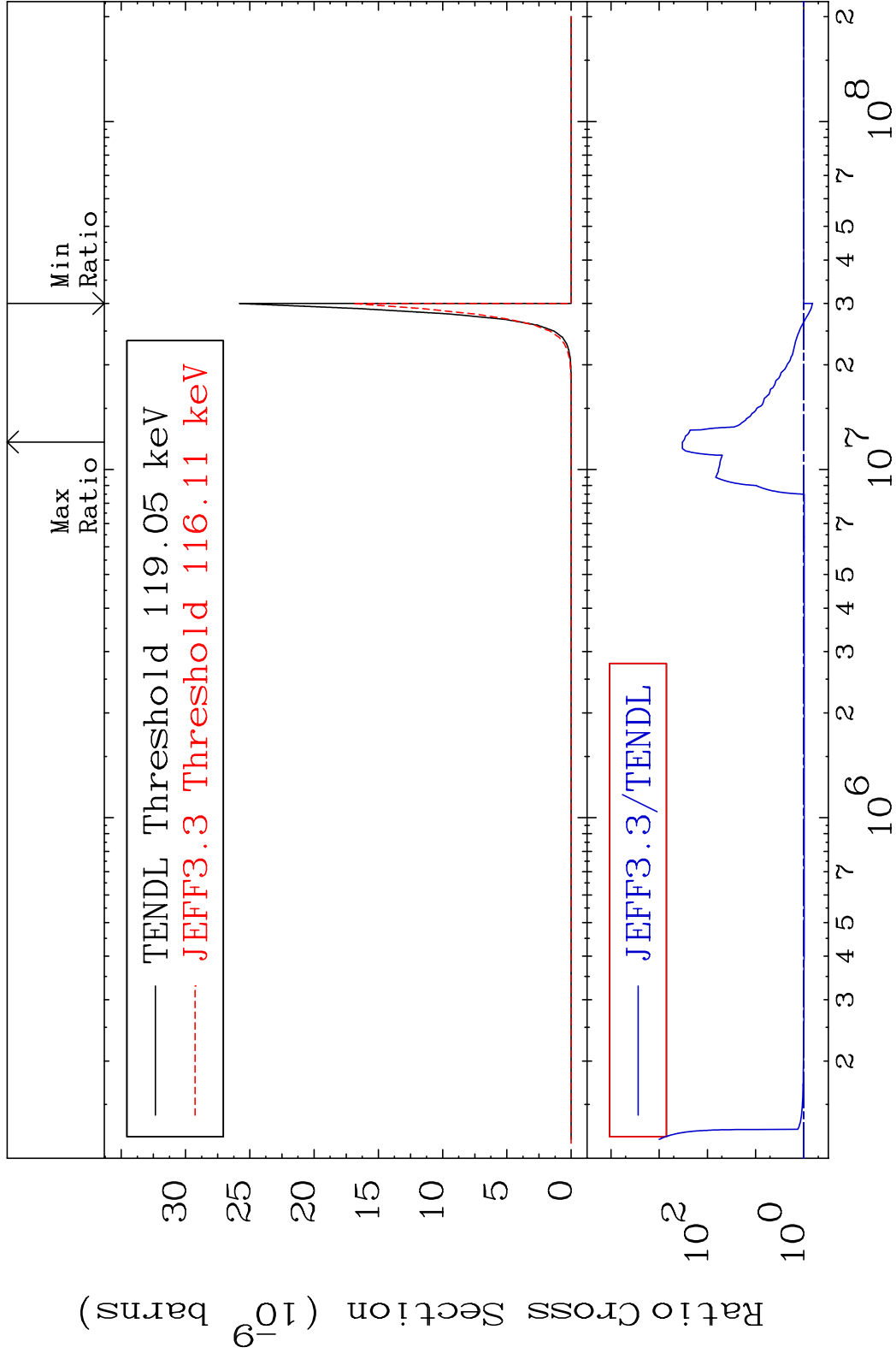


MAT 6528

(n,p) α

65-Tb-160

Cross Section -34.35 To 9999. %

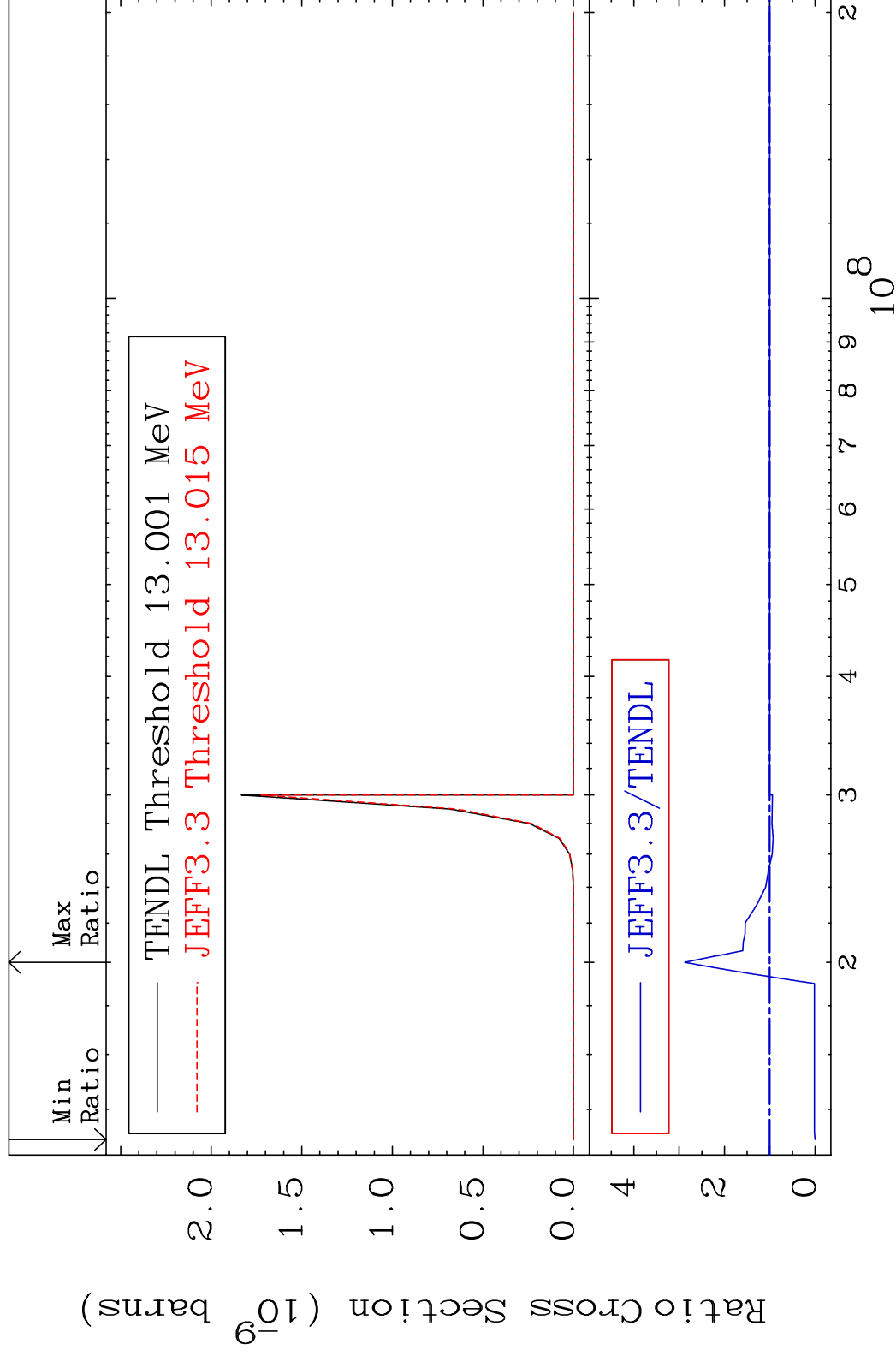


MAT 6528

(n,p) d

65-Tb-160

Cross Section -100.0 To 187.7 %



59

Incident Energy (eV)

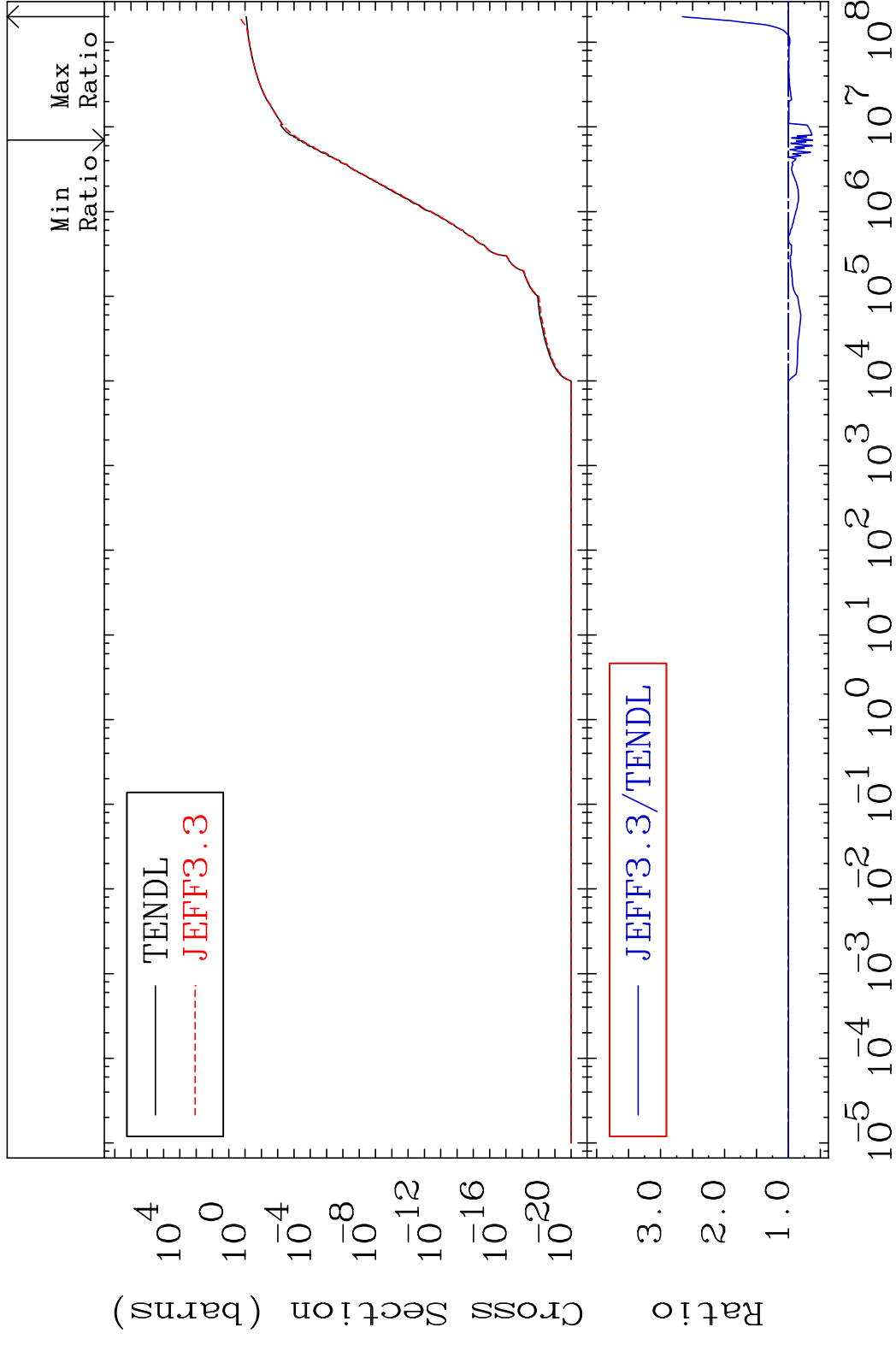
65-Tb-160

MAT 6528

Hydrogen Production

65-Tb-160

Cross Section -37.82 To 166.0 %

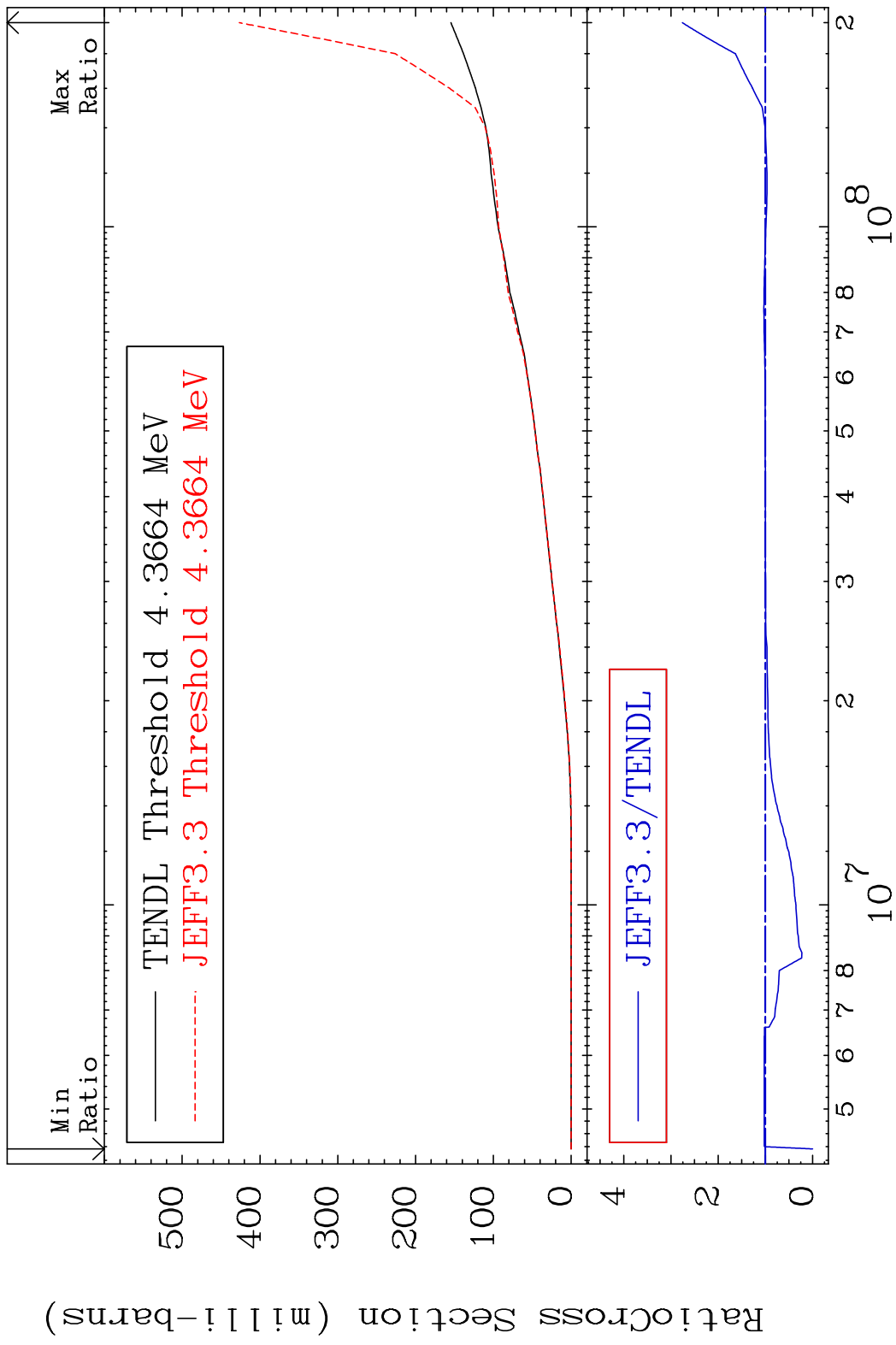


60

Incident Energy (eV)

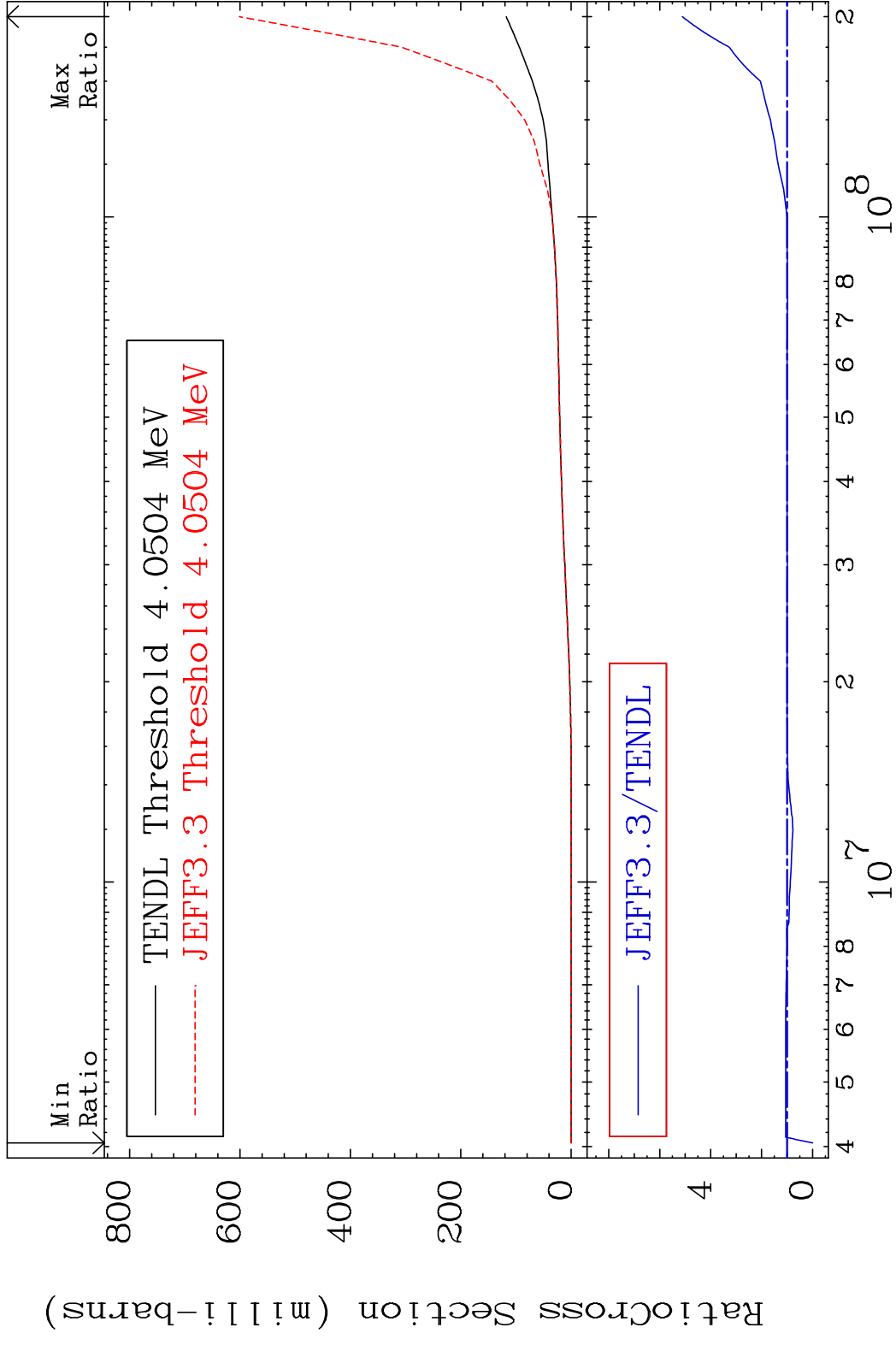
65-Tb-160

MAT 6528 Deuterium Production 65-Tb-160
 Cross Section -100.0 To 175.8 %



61 Incident Energy (eV) 65-Tb-160

MAT 6528 Tritium Production 65-Tb-160
 Cross Section -100.0 To 411.2 %

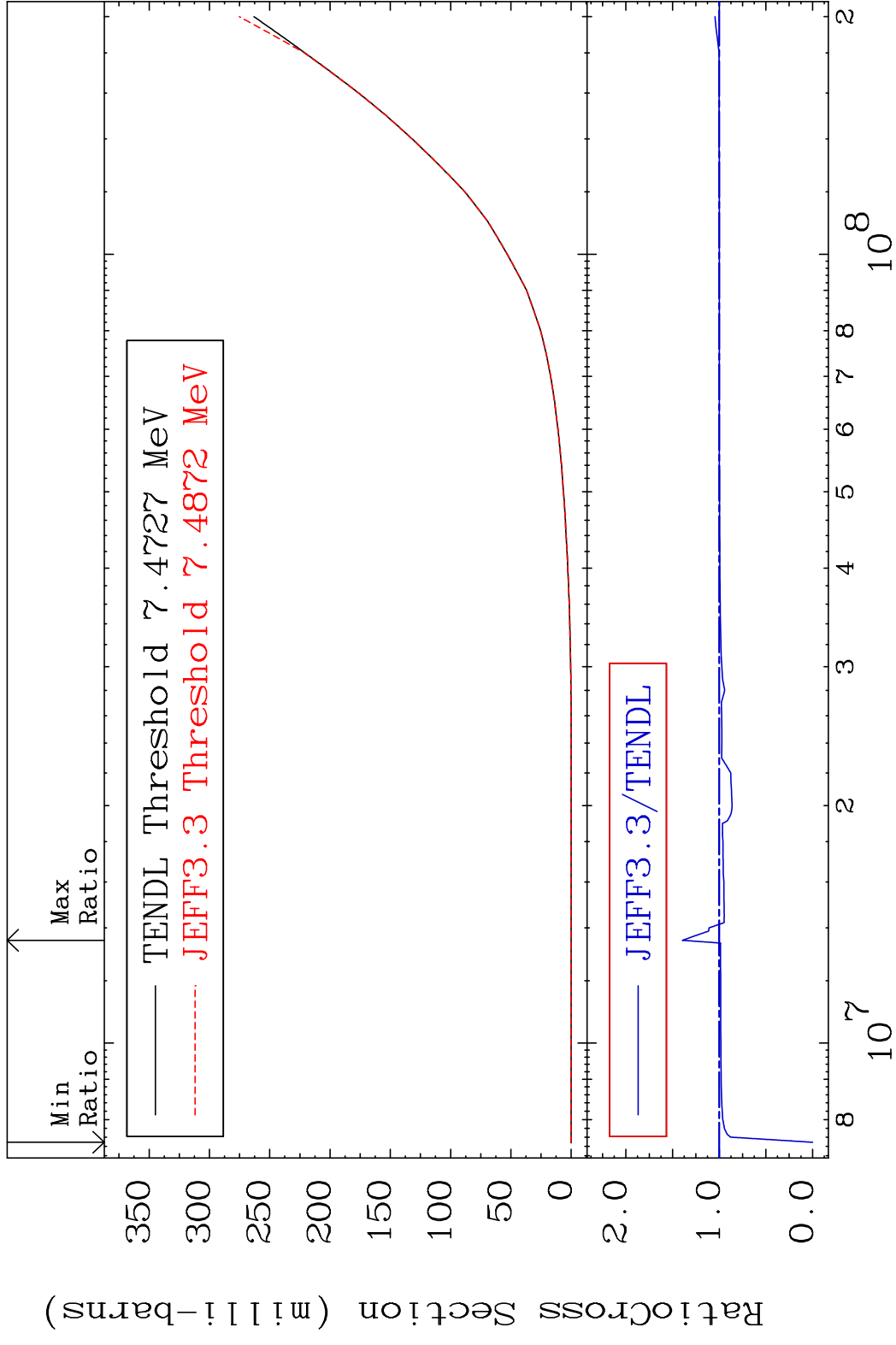


MAT 6528

He-3 Production

65-Tb-160

Cross Section -100.0 To 39.50 %

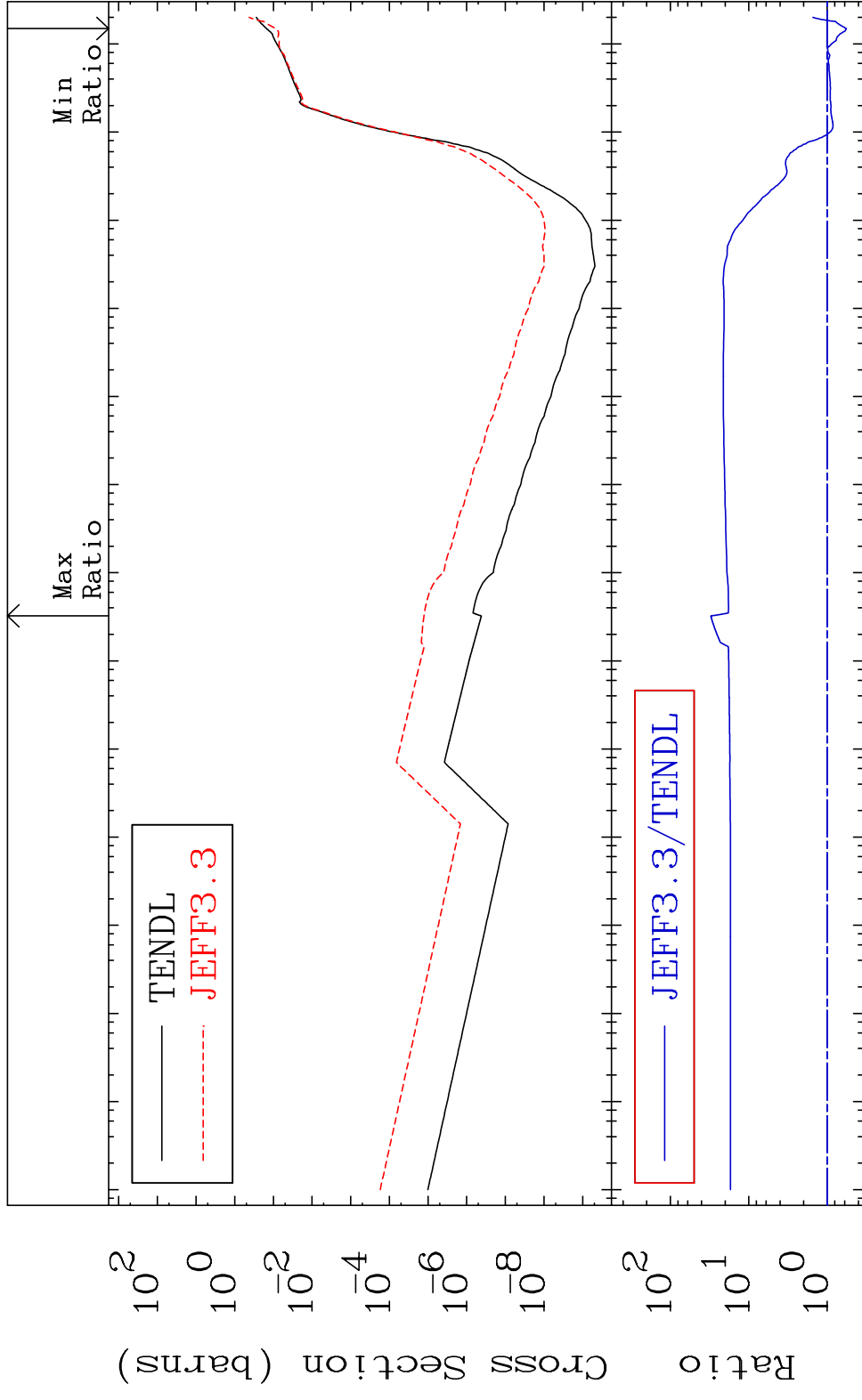


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Incident Energy (eV)

65-Tb-160

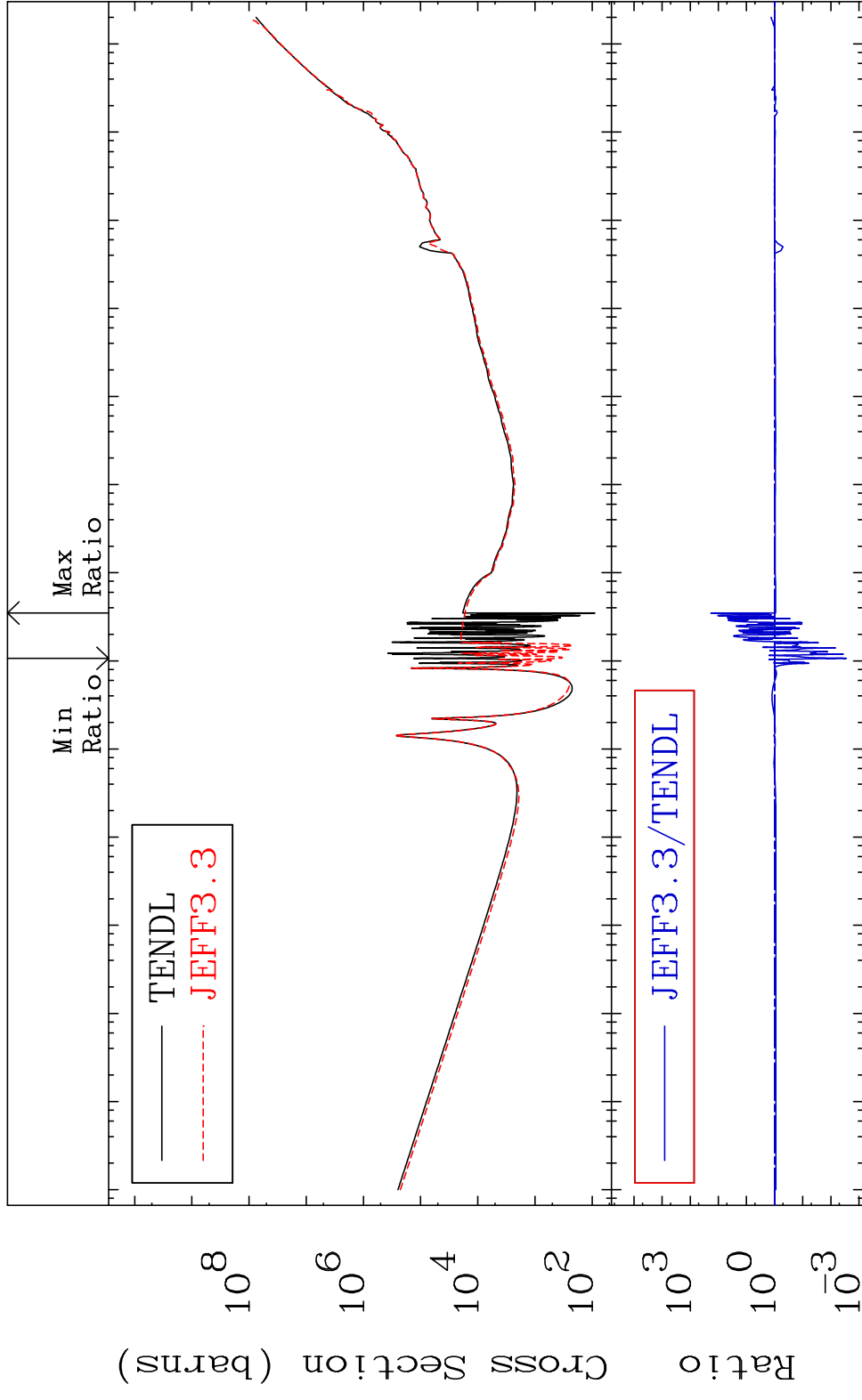
MAT 6528 He-4 Production 65-Tb-160
 Cross Section -42.89 To 2958. %



Ratio
 10²
 10⁰
 10⁻²
 10⁻⁴
 10⁻⁶
 10⁻⁸
 10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

64 Incident Energy (eV) 65-Tb-160

MAT 6528 Kerma total (eV-barns) 65-Tb-160
 Cross Section -99.72 To 9999. %

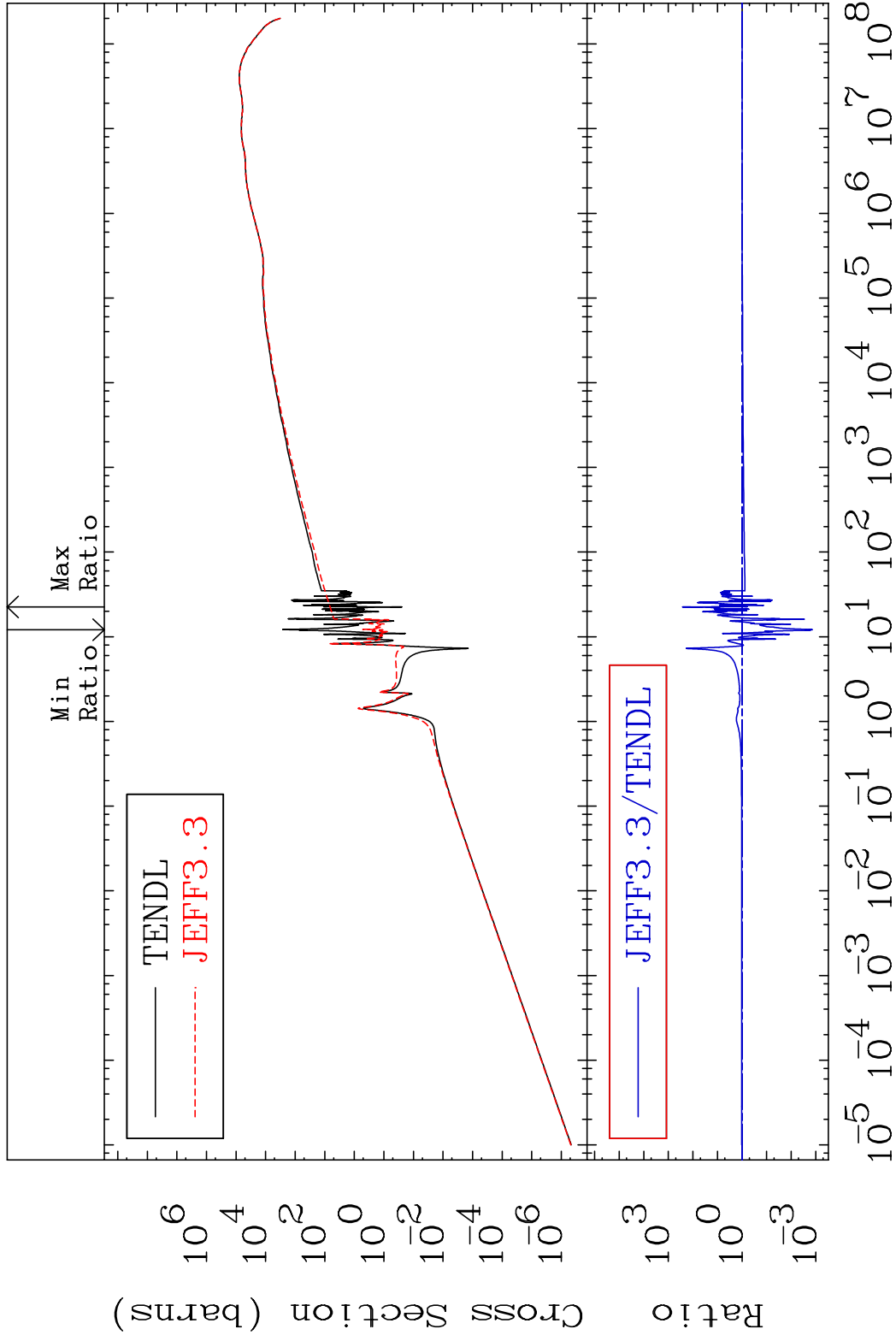


65 Incident Energy (eV) 65-Tb-160

MAT 6528

Kerma elastic
Cross Section -99.87 To 9999. %

65-Tb-160

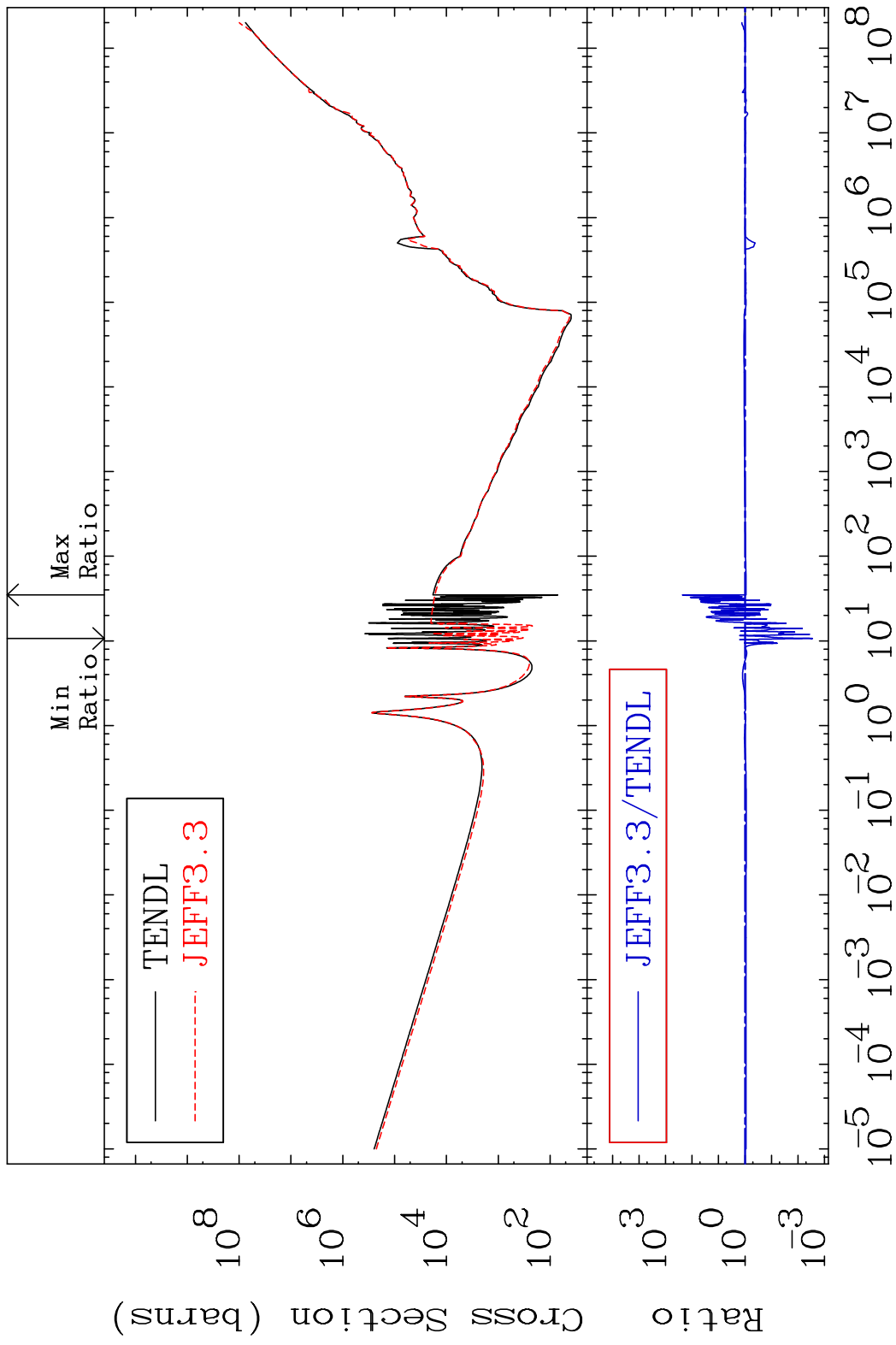


66

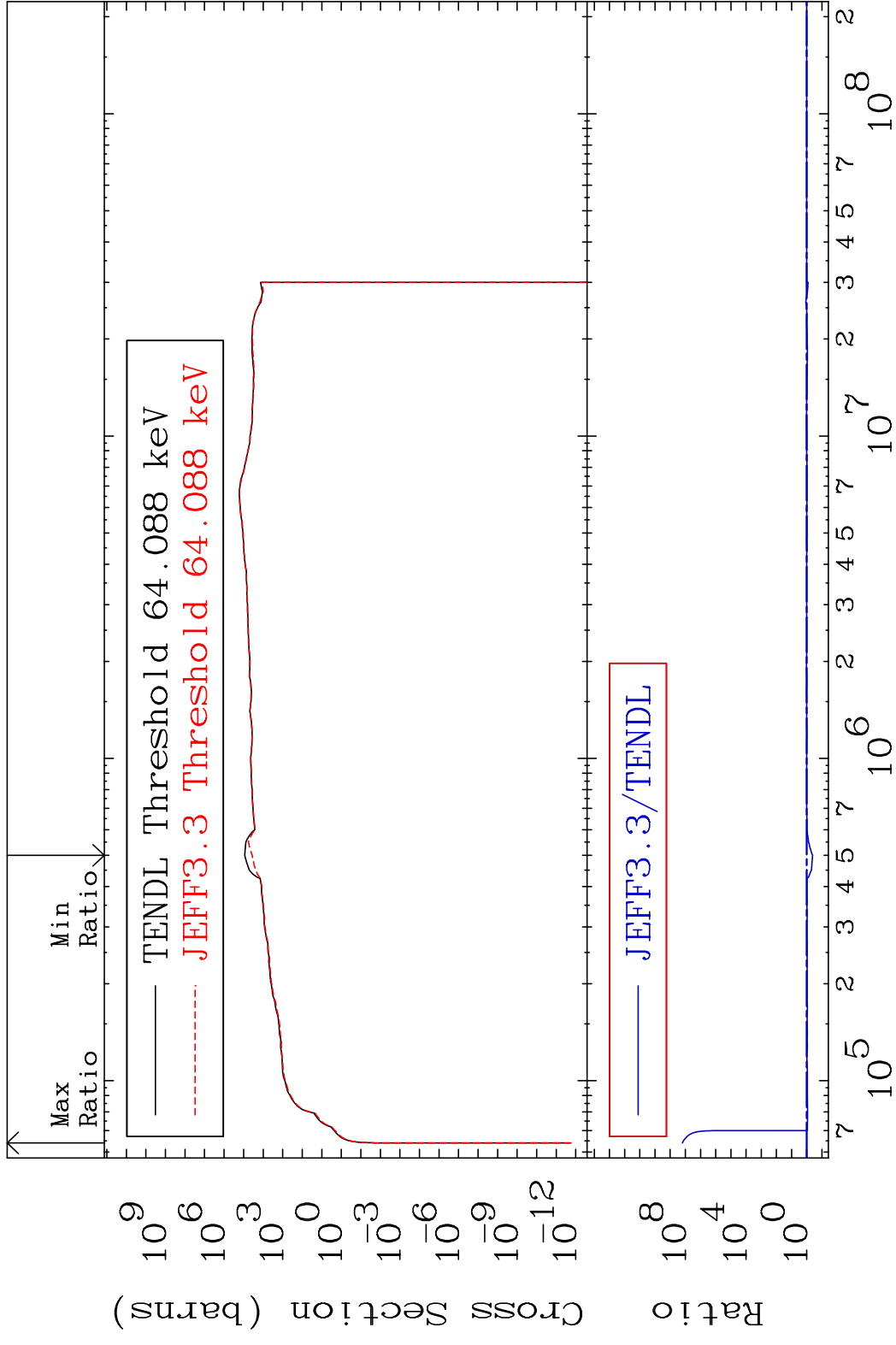
Incident Energy (eV)

65-Tb-160

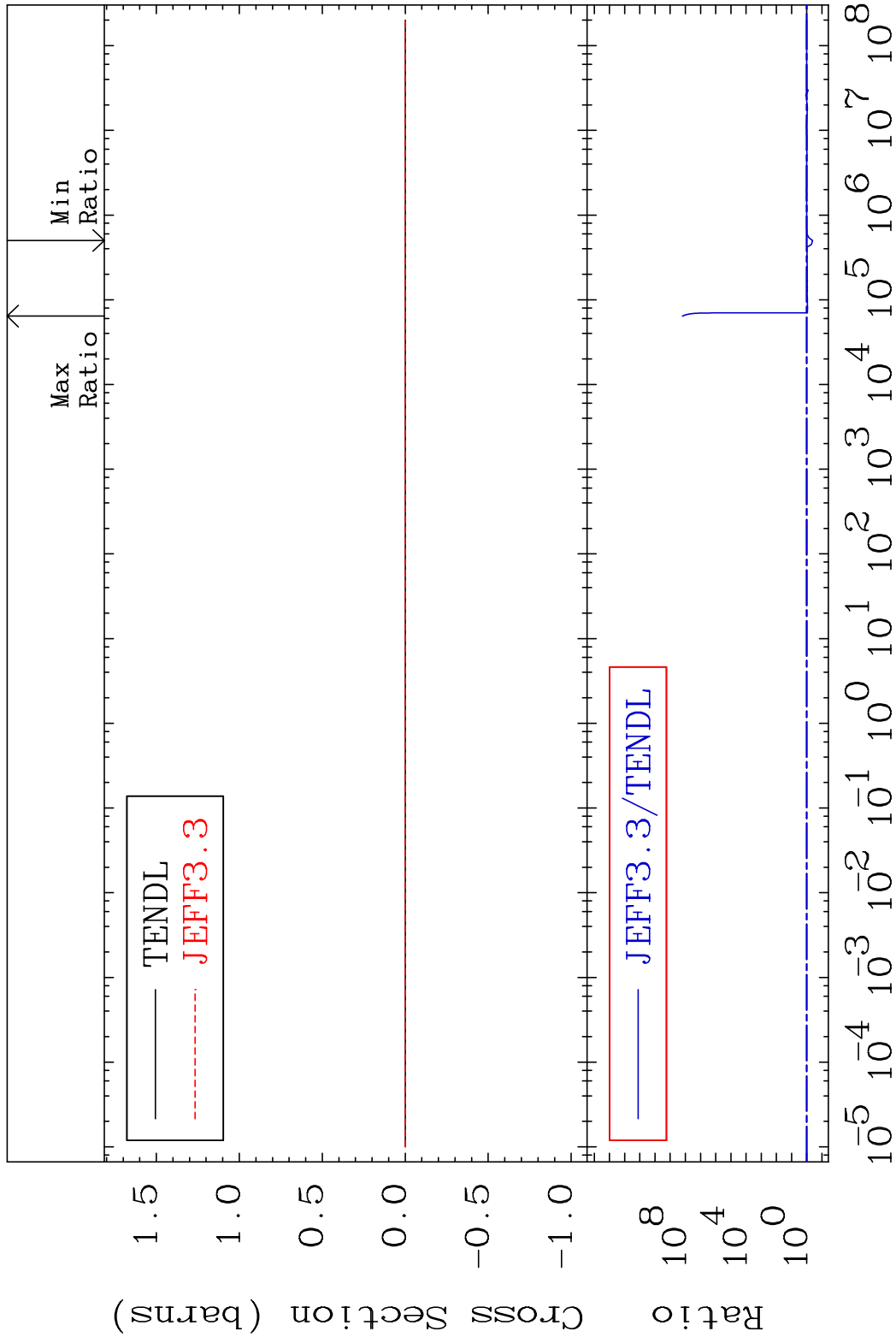
MAT 6528 Kerma non-elastic (all but mt2) 65-Tb-160
 Cross Section -99.72 To 9999. %



MAT 6528 Kerma inelastic (mt51-91) 65-Tb-160
 Cross Section -58.79 To 9999. %

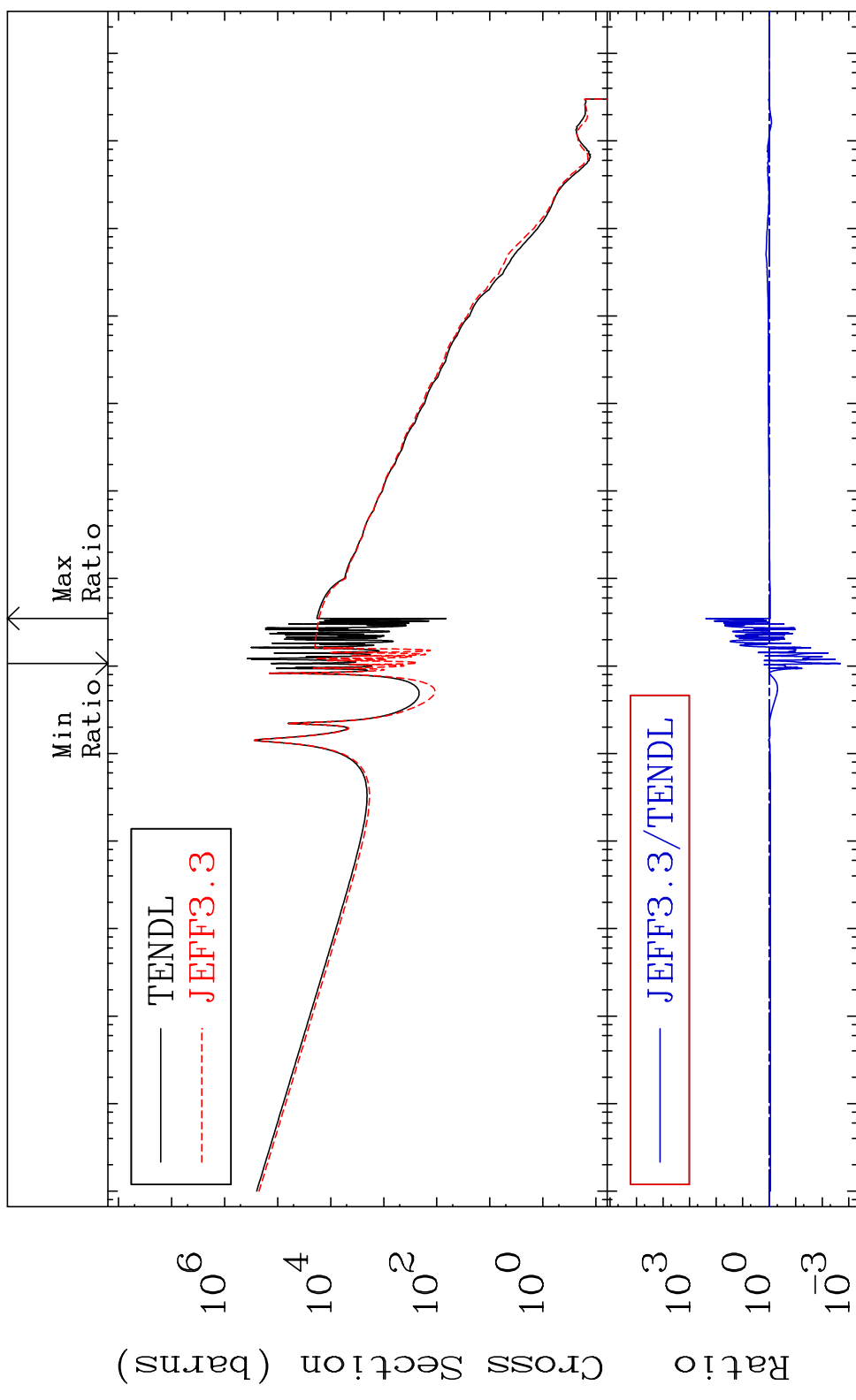


MAT 6528 Kerma fission (mt18 or mt19-20-21-38) 65-Tb-160
 Cross Section -58.79 To 9999. %



MAT 6528

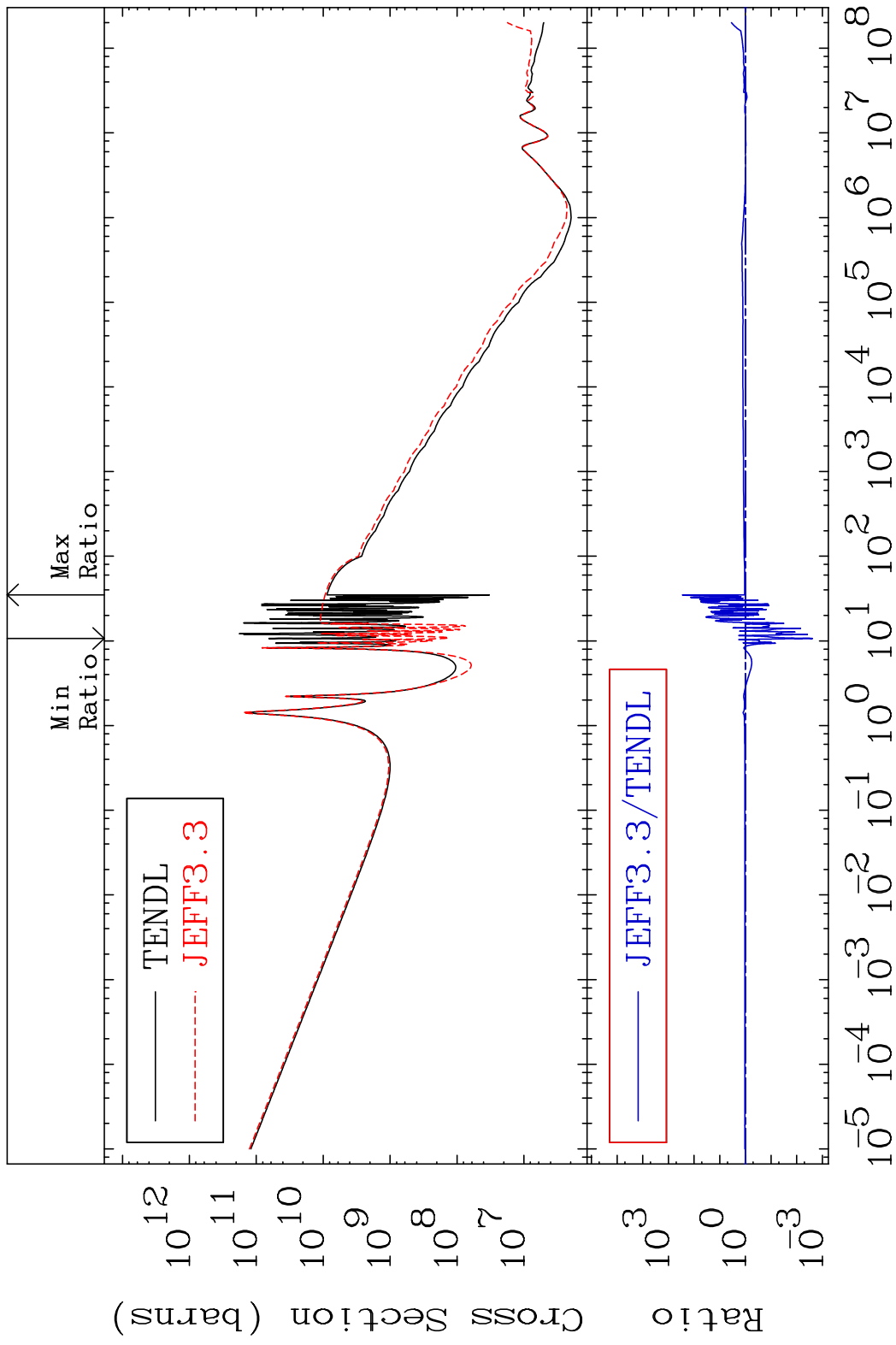
Kerma capture (mt102) 65-Tb-160
Cross Section -99.79 To 9999. %



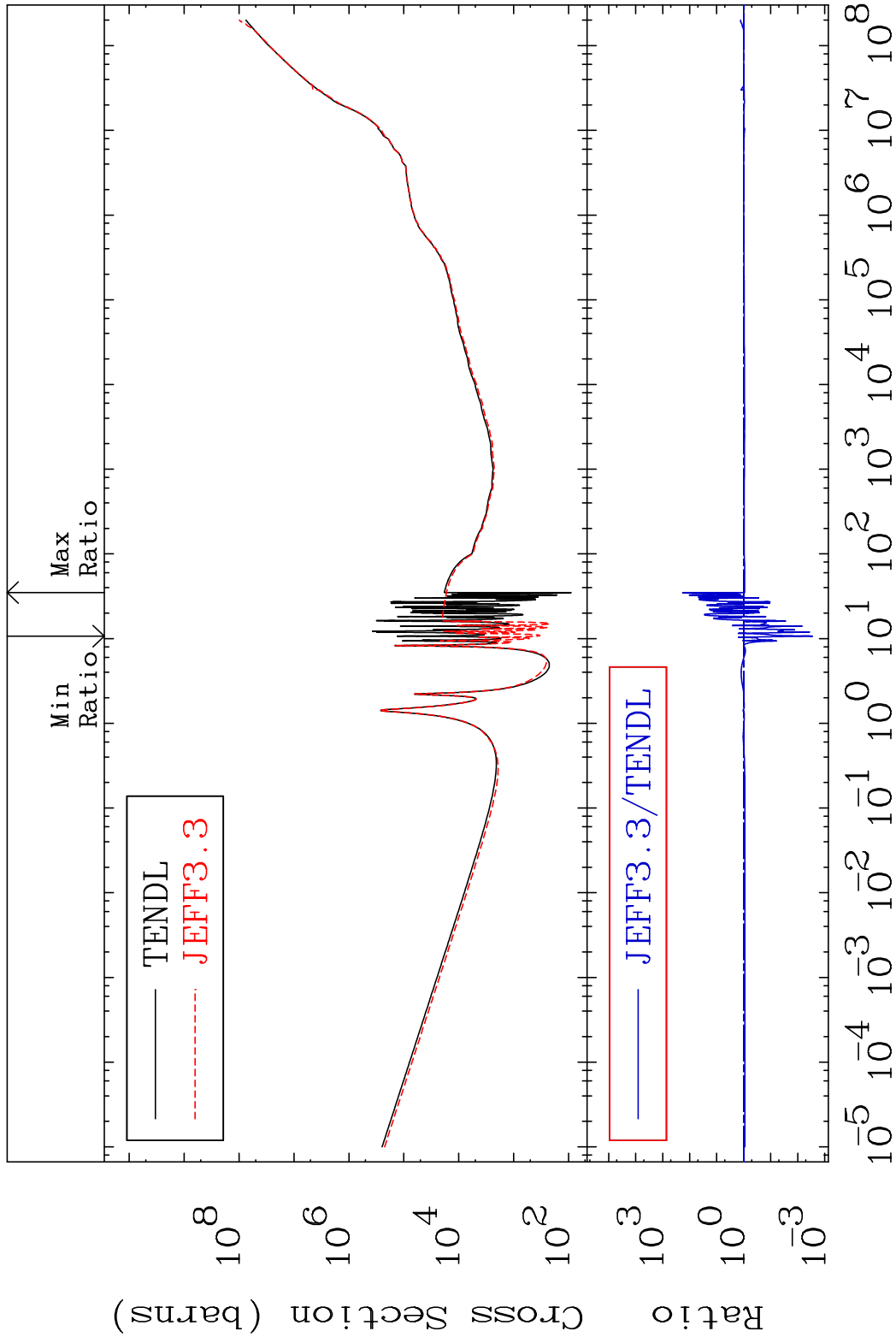
70

Incident Energy (eV) 65-Tb-160

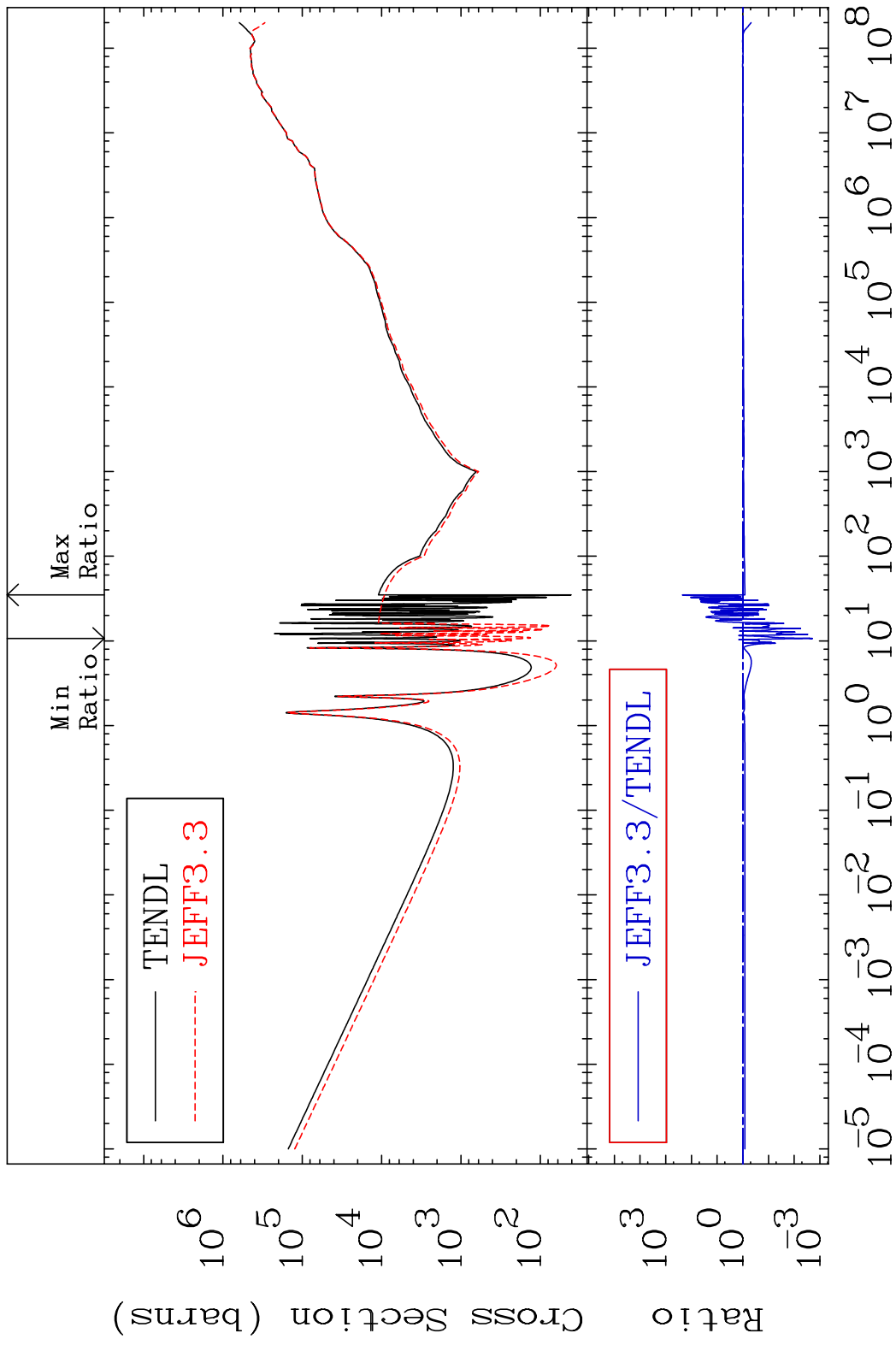
MAT 6528 Total photon (eV-barns) 65-Tb-160
 Cross Section -99.76 To 9999. %



MAT 6528 Total kinematic kerma (high limit) 65-Tb-160
 Cross Section -99.72 To 9999. %



MAT 6528 Dpa total (eV-barns) 65-Tb-160
 Cross Section -99.81 To 9999. %



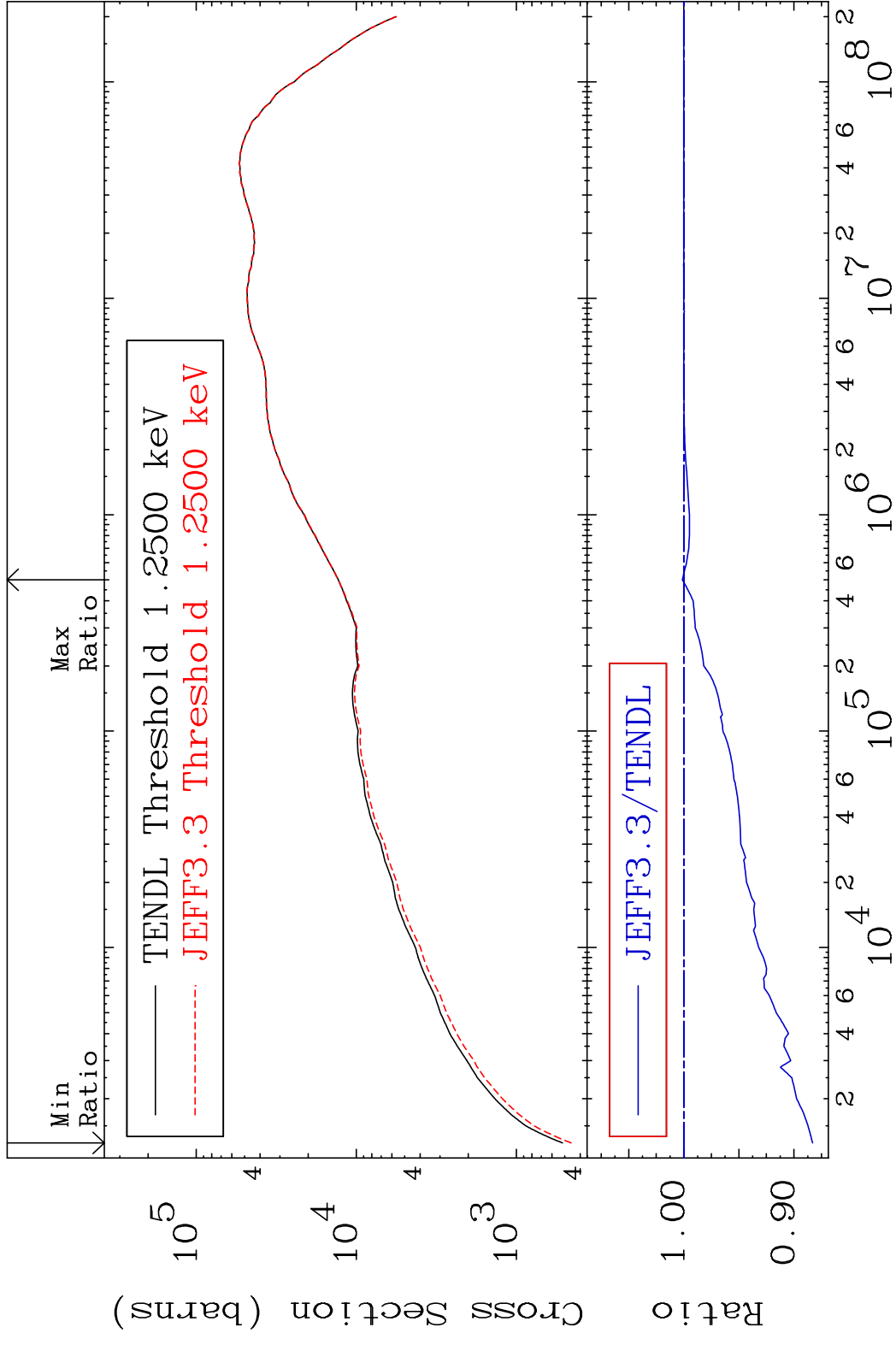
73 Incident Energy (eV) 65-Tb-160

MAT 6528

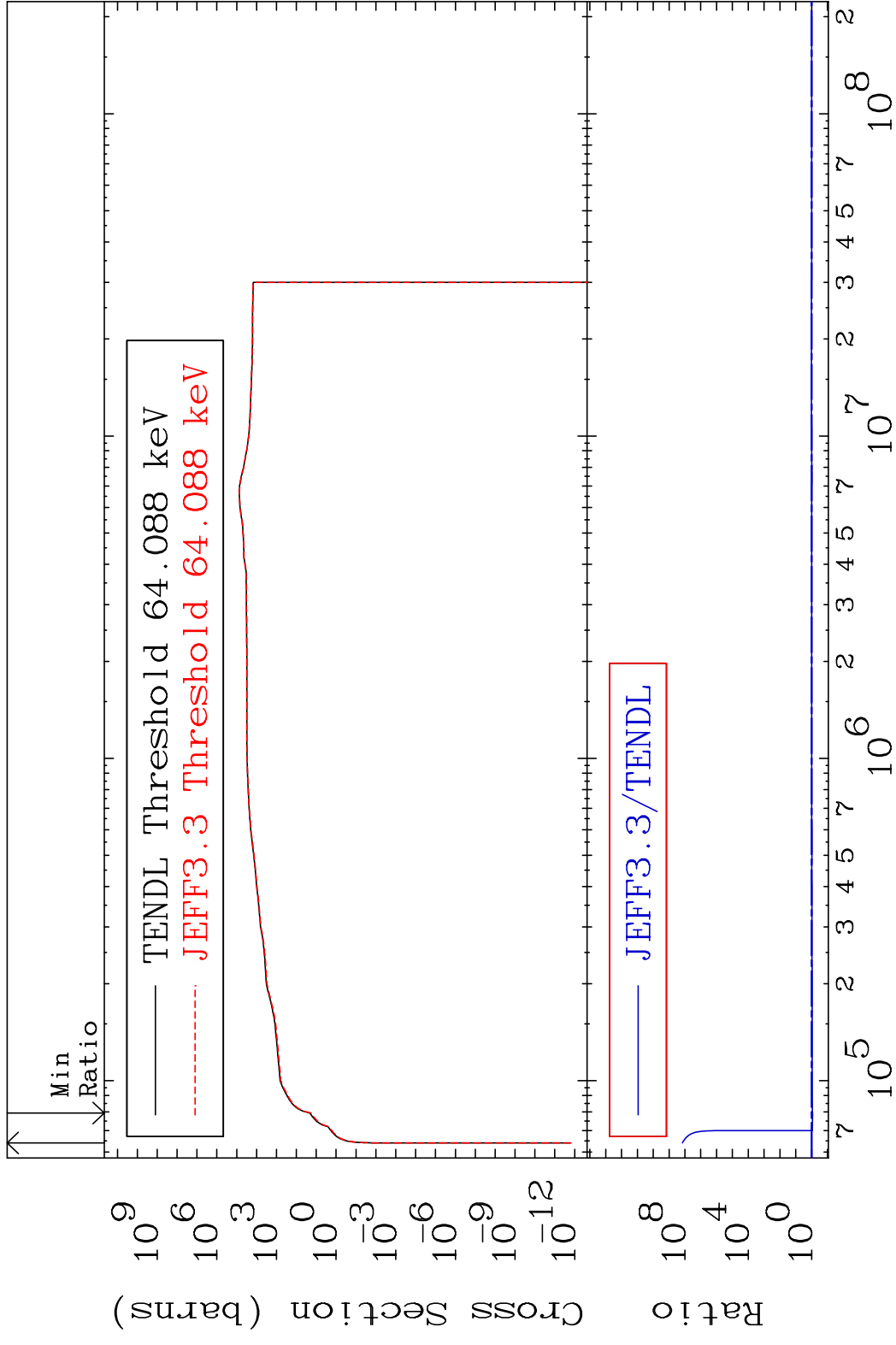
Dpa elastic (mt2)

65-Tb-160

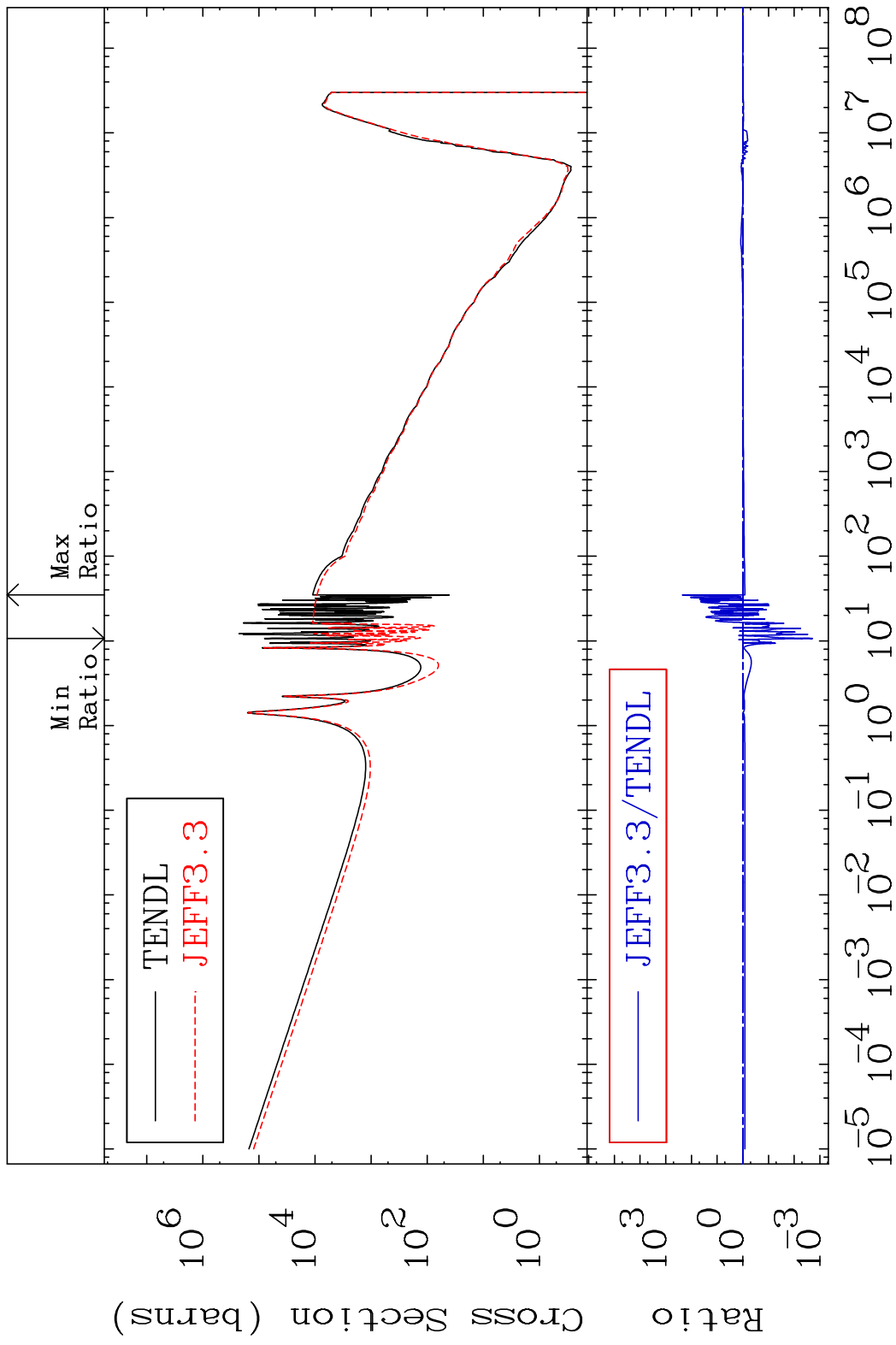
Cross Section -11.69 To 0.132 %

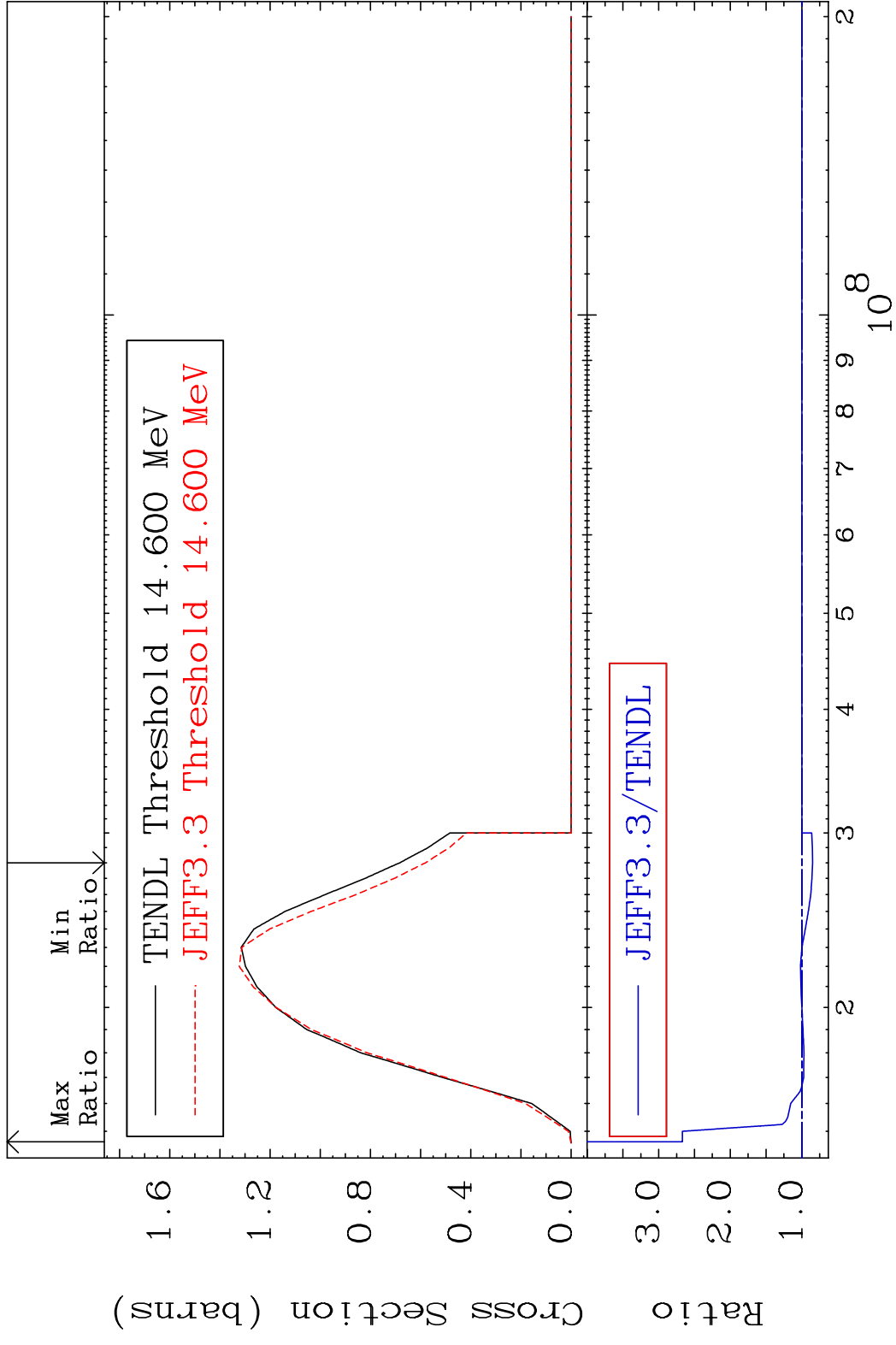


MAT 6528 Dpa inelastic (mt51-91) 65-Tb-160
 Cross Section -12.59 To 9999. %



MAT 6528 Dpa disappearance (mt102 -120) 65-Tb-160
 Cross Section -99.81 To 9999. %





MAT 6528 (n, 3n):65-Tb-158m3 65-Tb-160
 Radionuclide Production Cross Section Ratio 302.7 %

