

Program Complot
(Version 2021-1)

by

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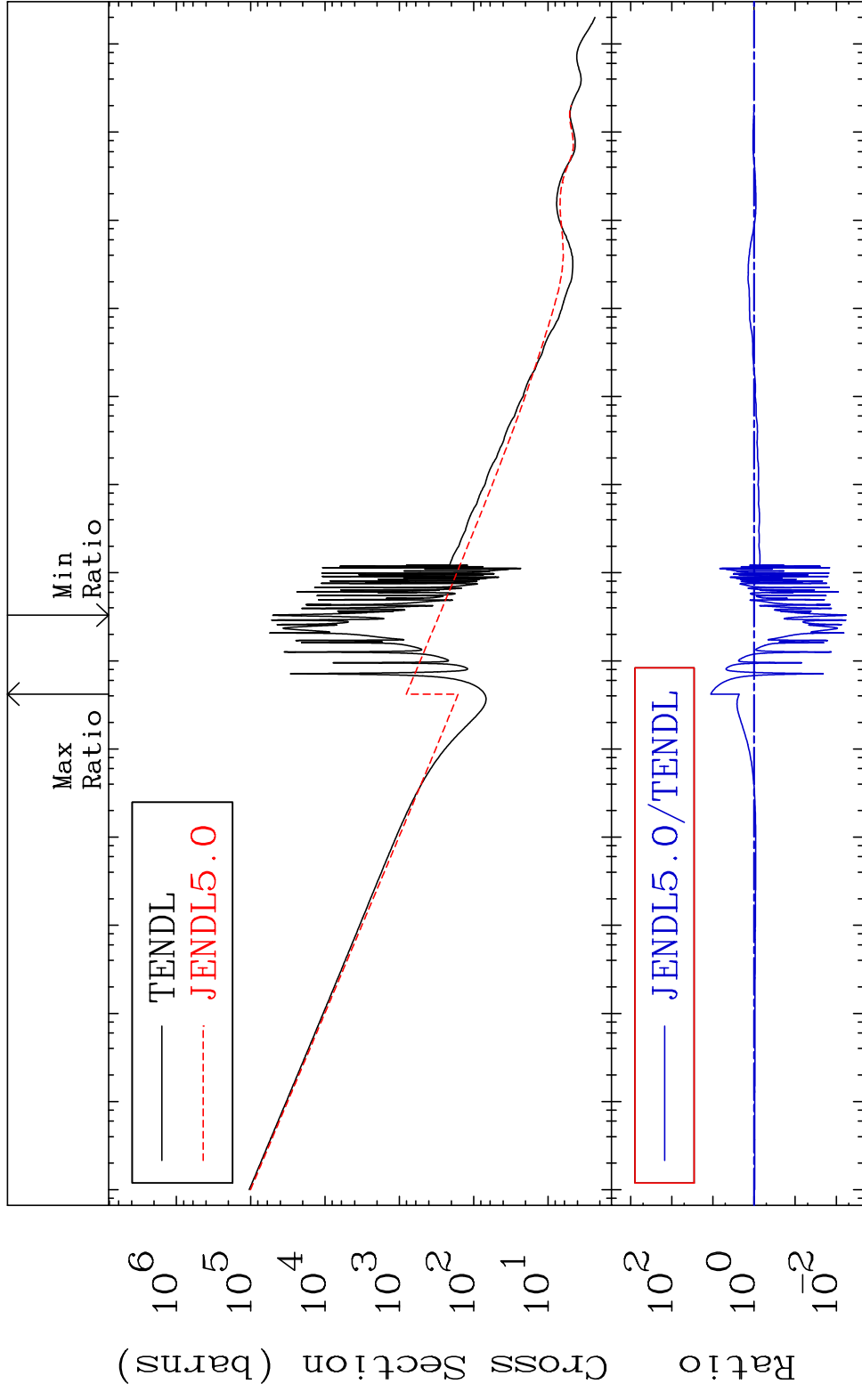
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6152

Total
Cross Section -99.43 To 1032. %

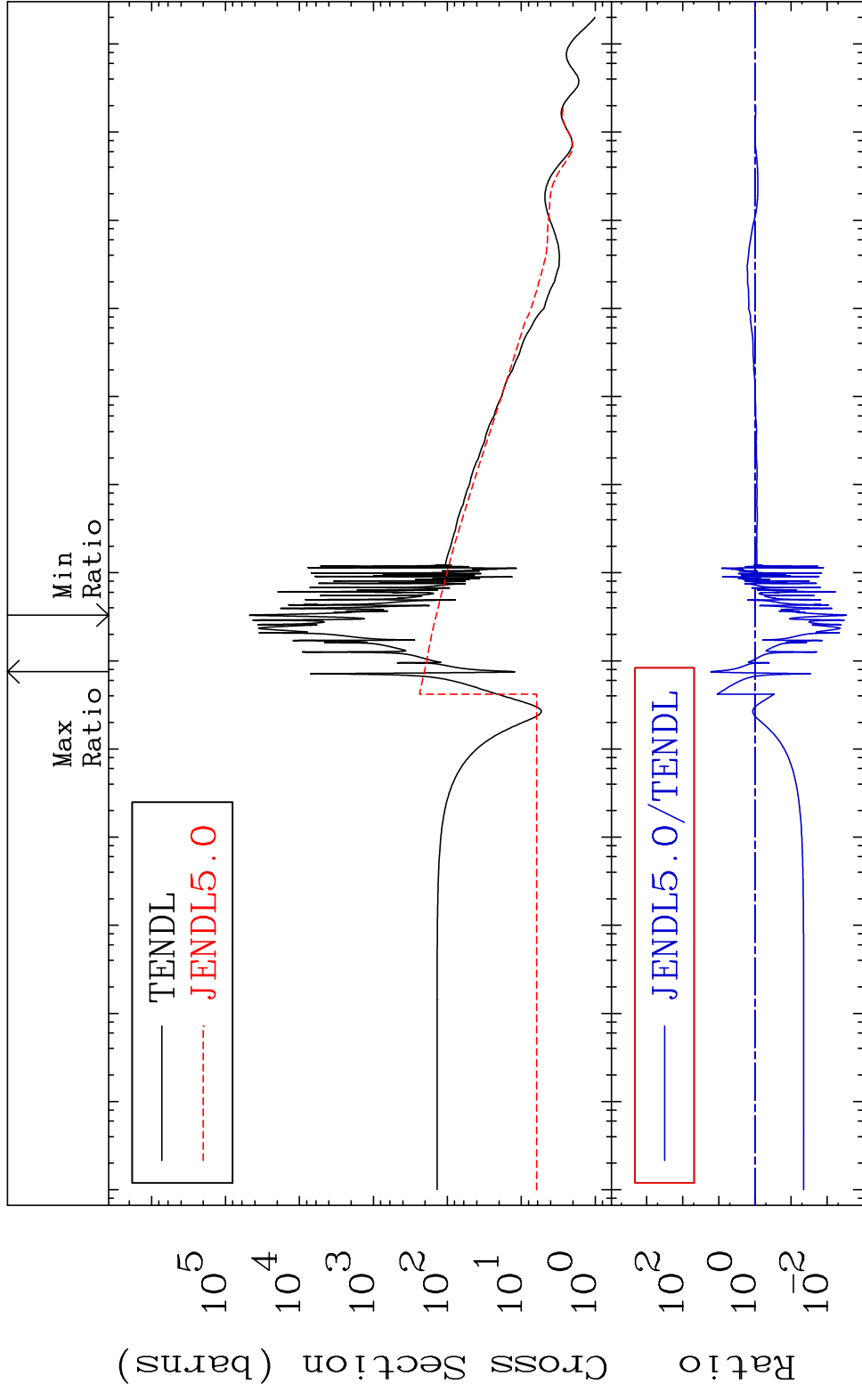
61-Pm-148



1 Incident Energy (eV) 61-Pm-148

MAT 6152

Elastic Cross Section -99.70 To 1582. %
61-Pm-148



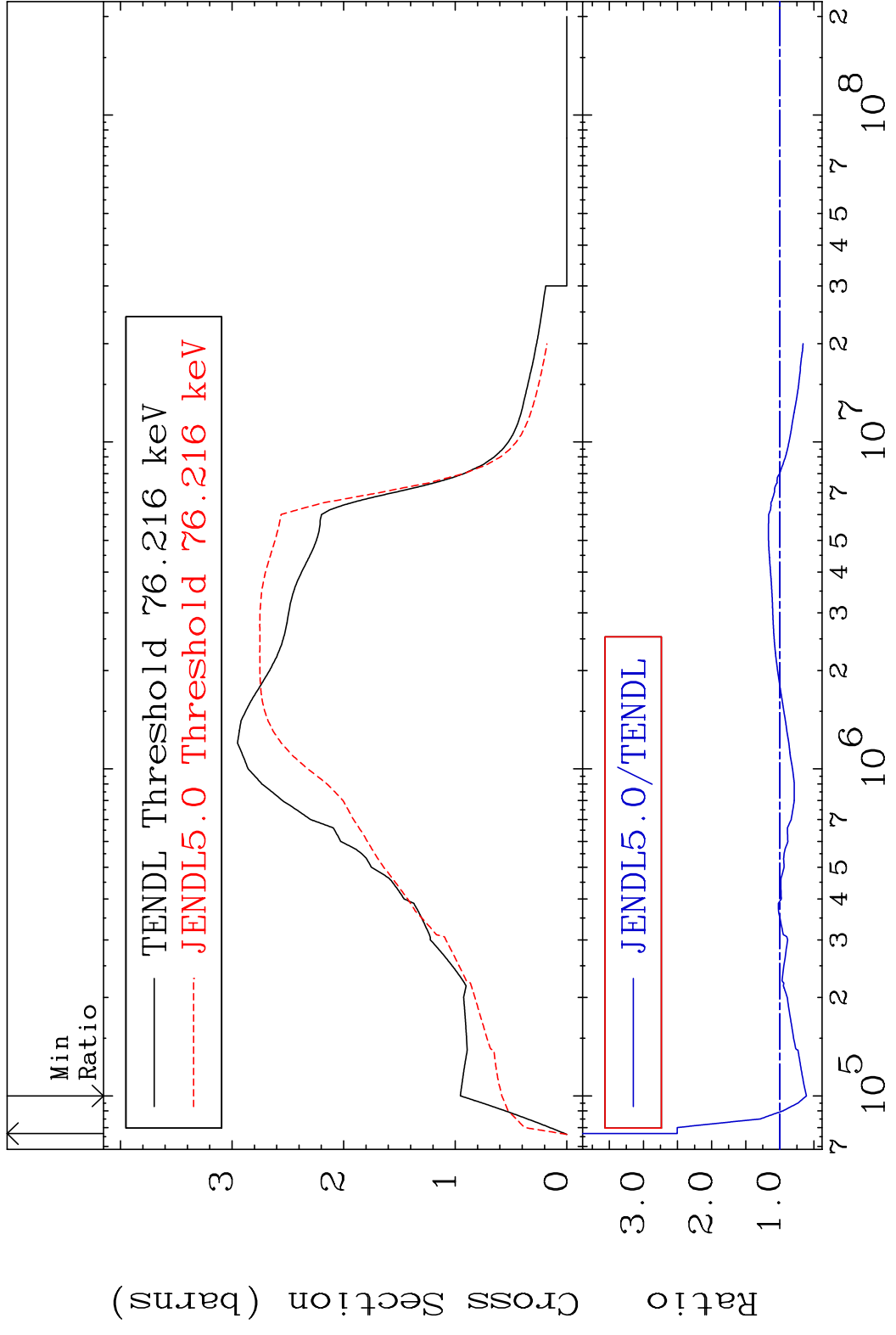
MAT 6152

Inelastic

61-Pm-148

Cross Section

-39.02 To 150.5 %

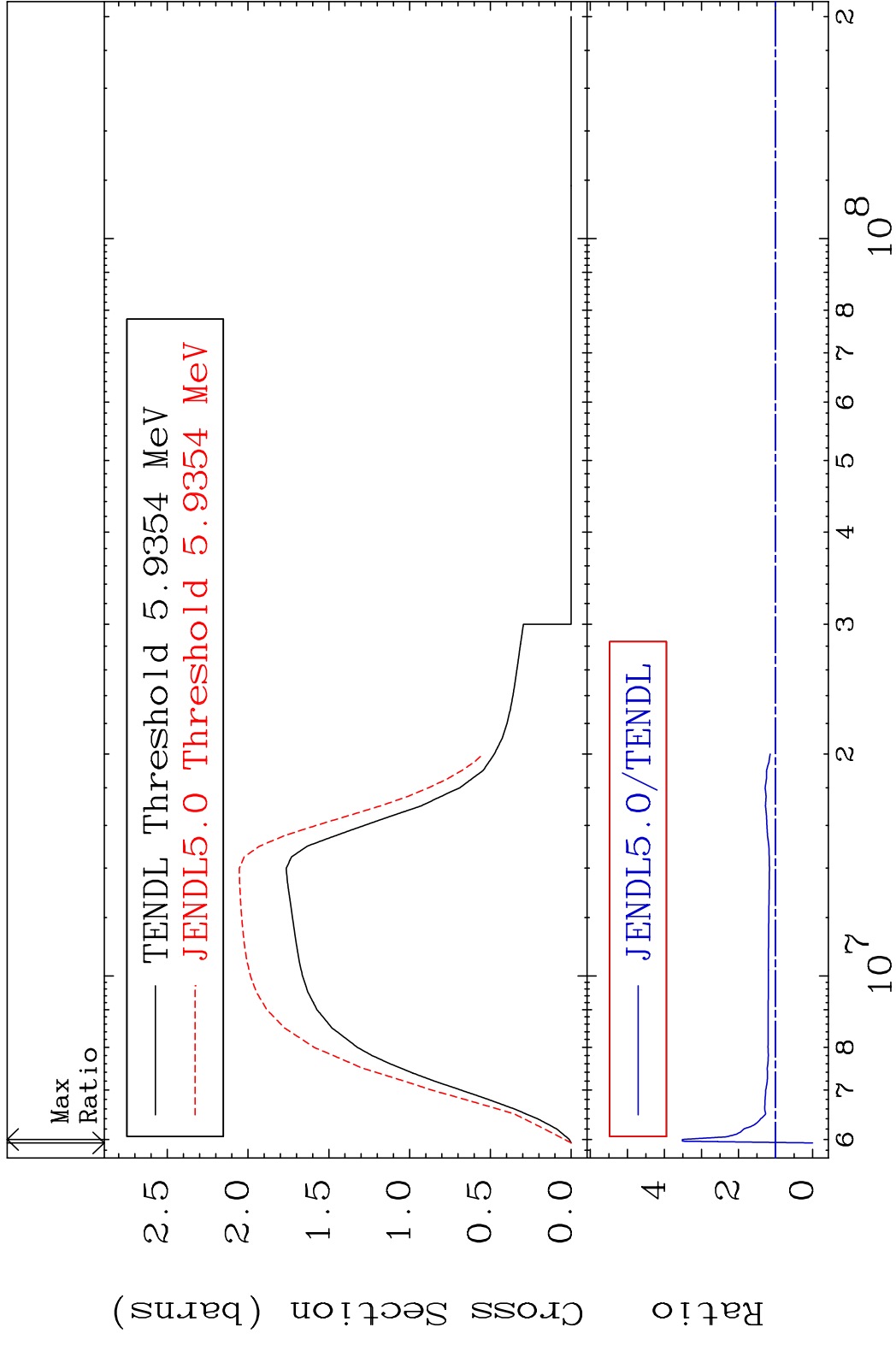


3

Incident Energy (eV)

61-Pm-148

MAT 6152 (n,2n) 61-Pm-148
 Cross Section -100.0 To 251.5 %

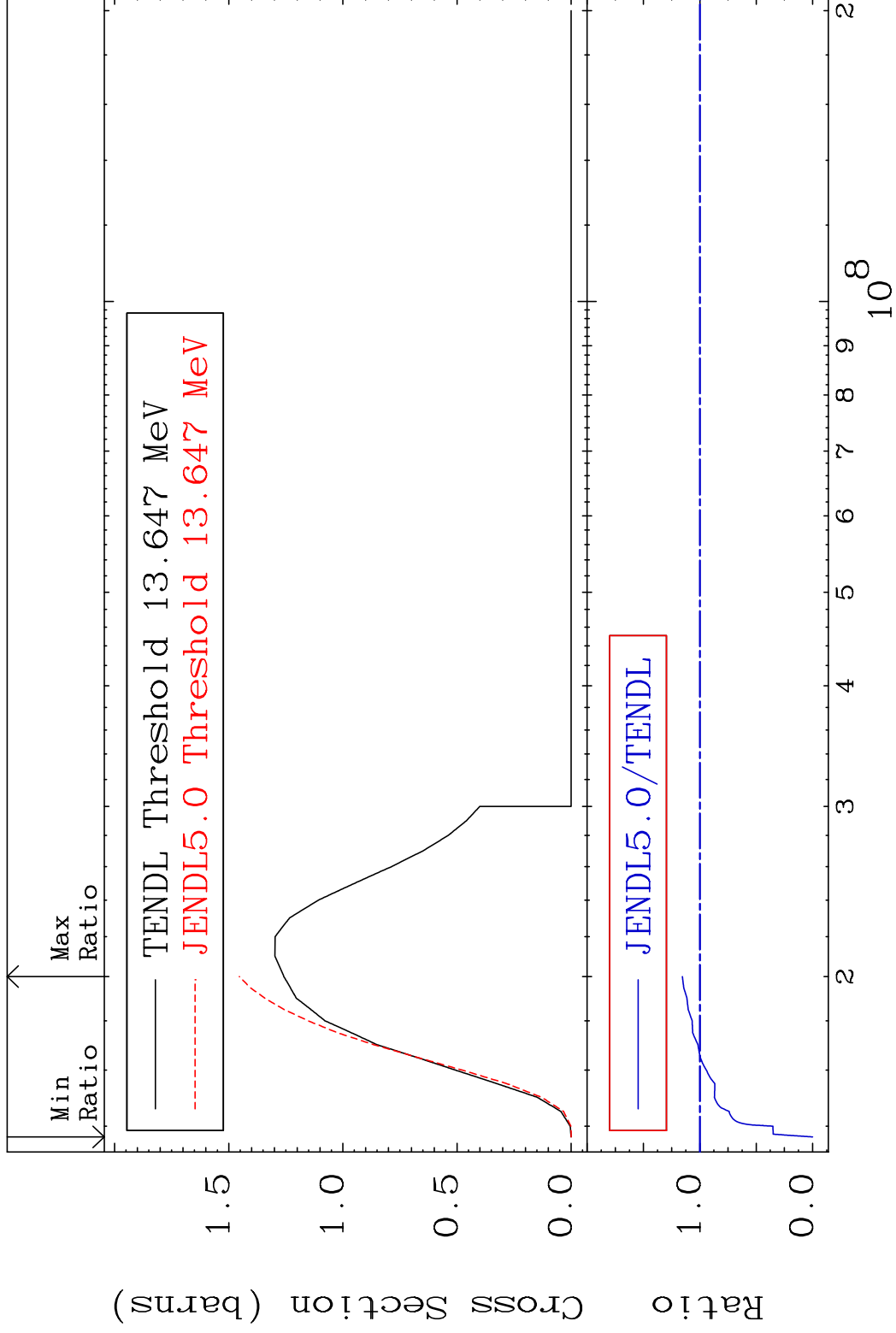


MAT 6152

(n,3n)

61-Pm-148

Cross Section -100.0 To 15.52 %



5

Incident Energy (eV)

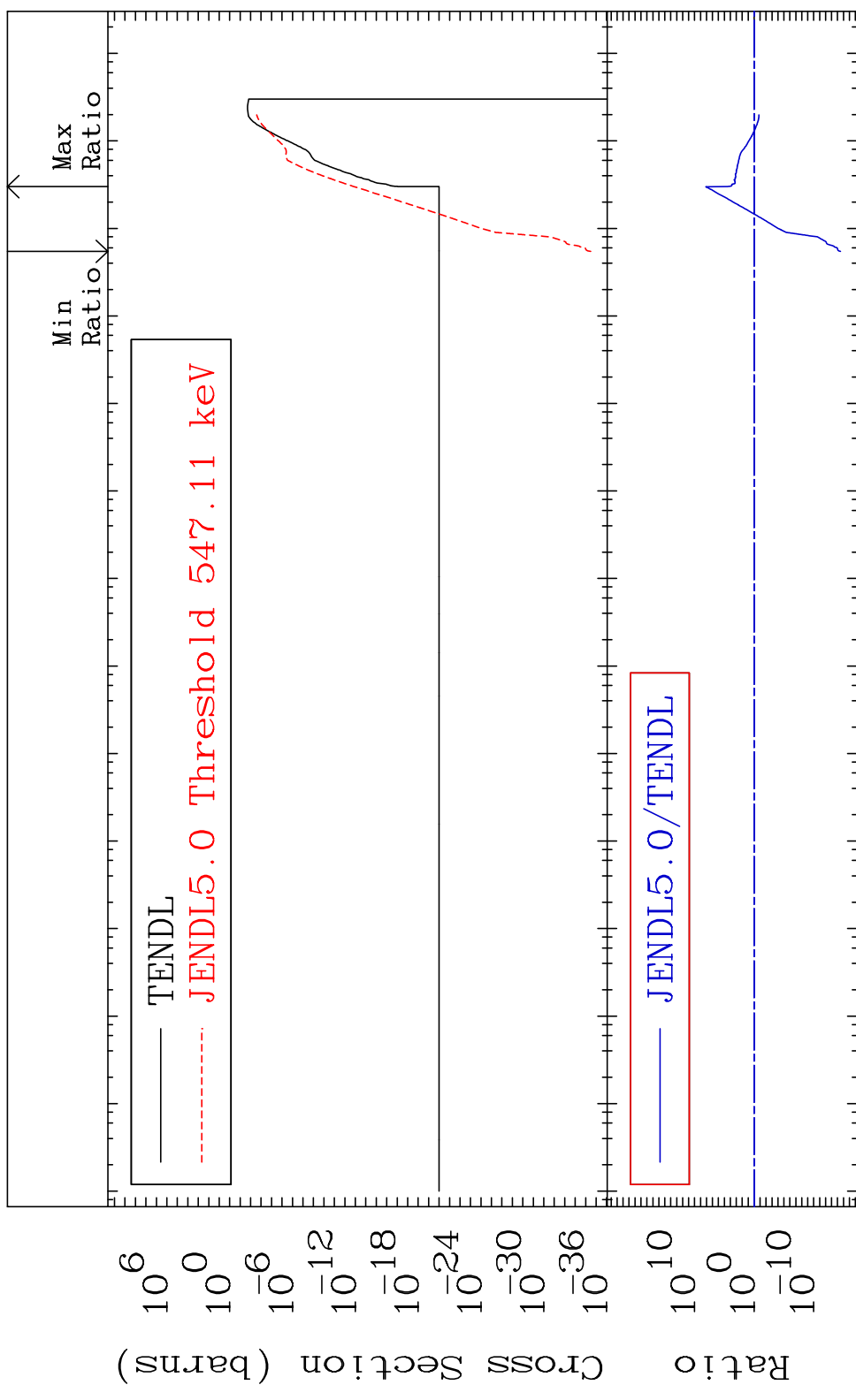
61-Pm-148

MAT 6152

(n, n') α

61-Pm-148

Cross Section -100.0 To 9999. %



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

6

Incident Energy (eV)

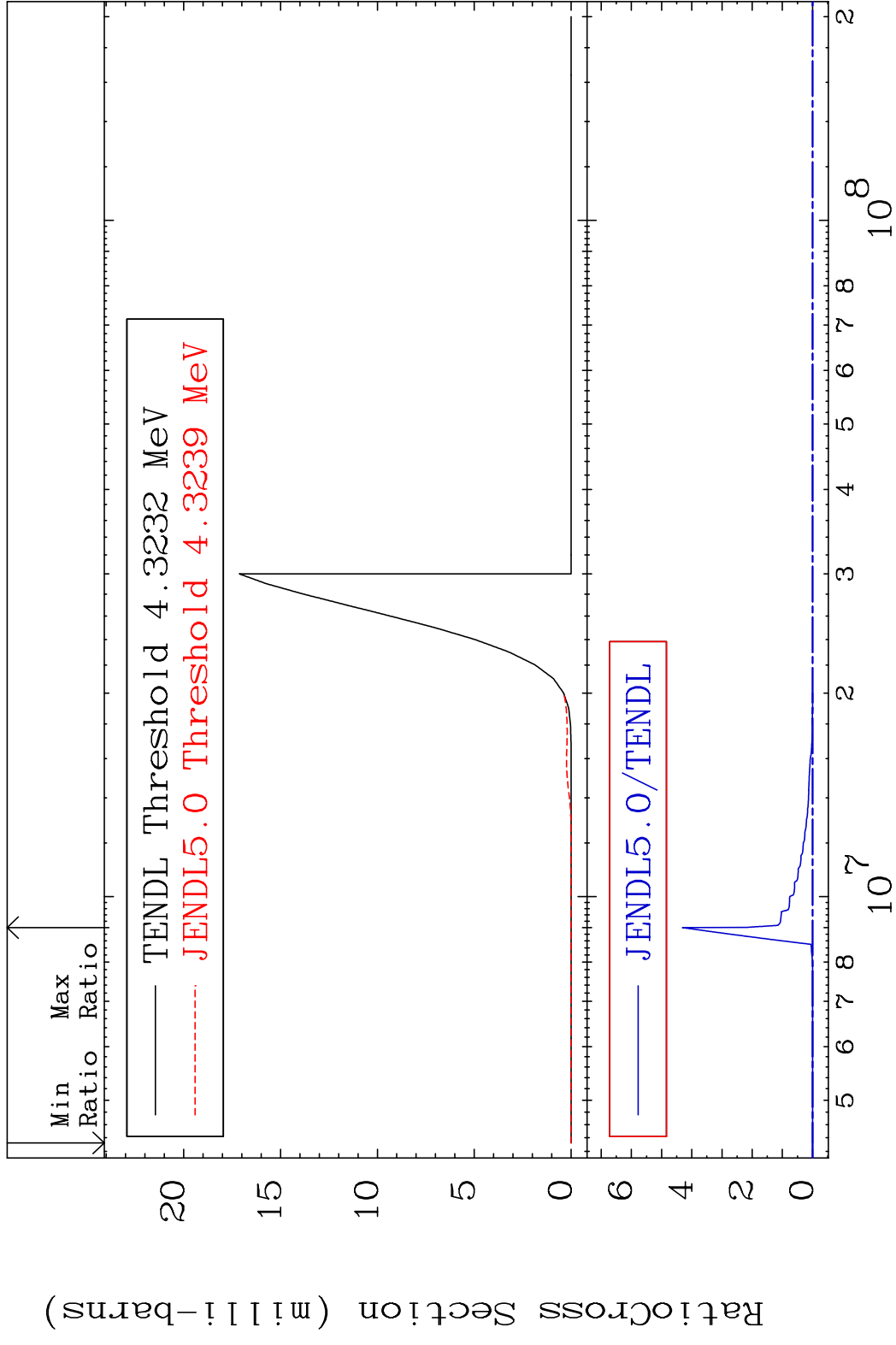
61-Pm-148

MAT 6152

61-Pm-148

(n,2n) α

Cross Section -100.0 To 9999. %

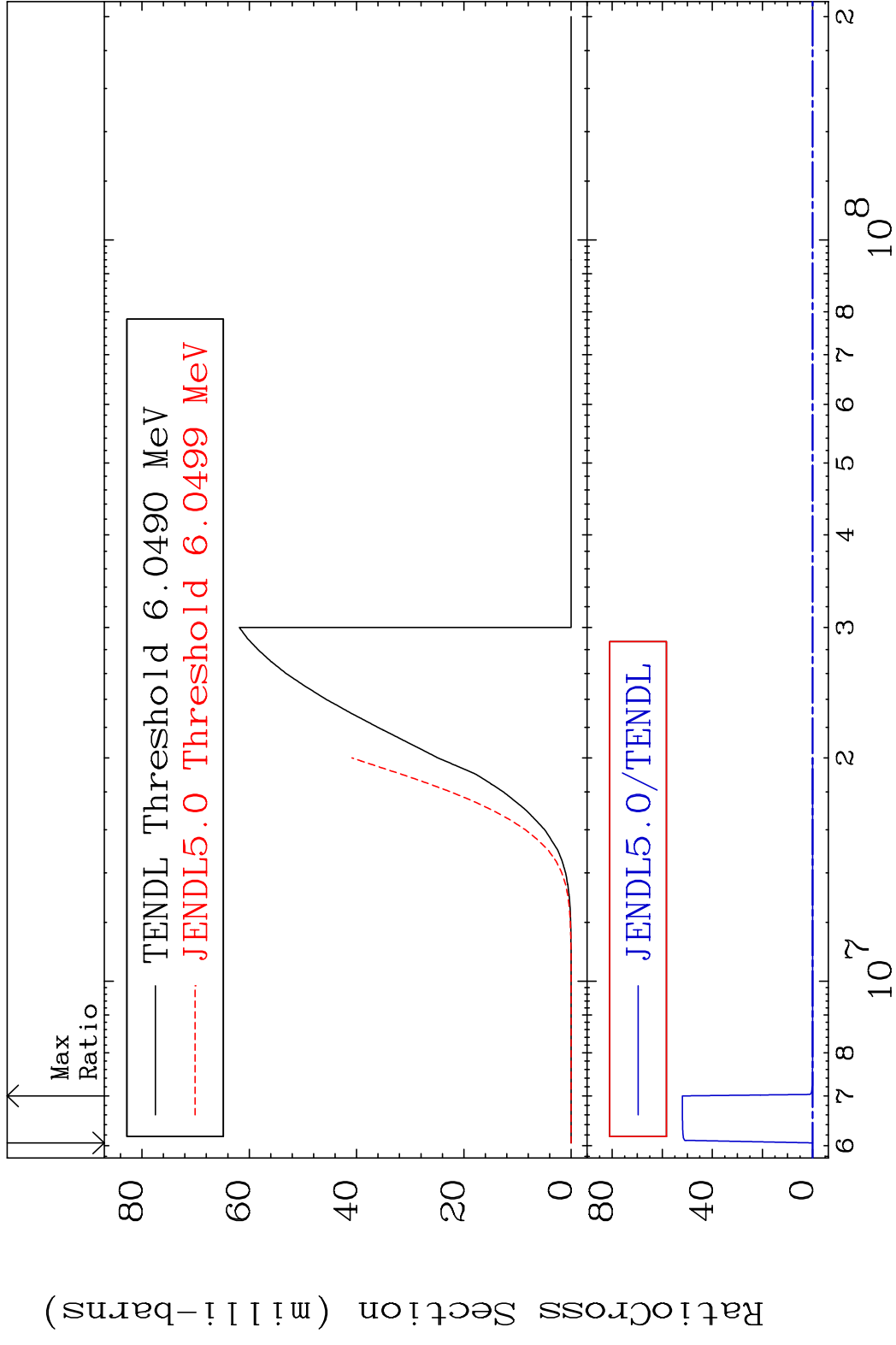


7

Incident Energy (eV)

61-Pm-148

MAT 6152 (n, n') p 61-Pm-148
 Cross Section -100.0 To 9999. %



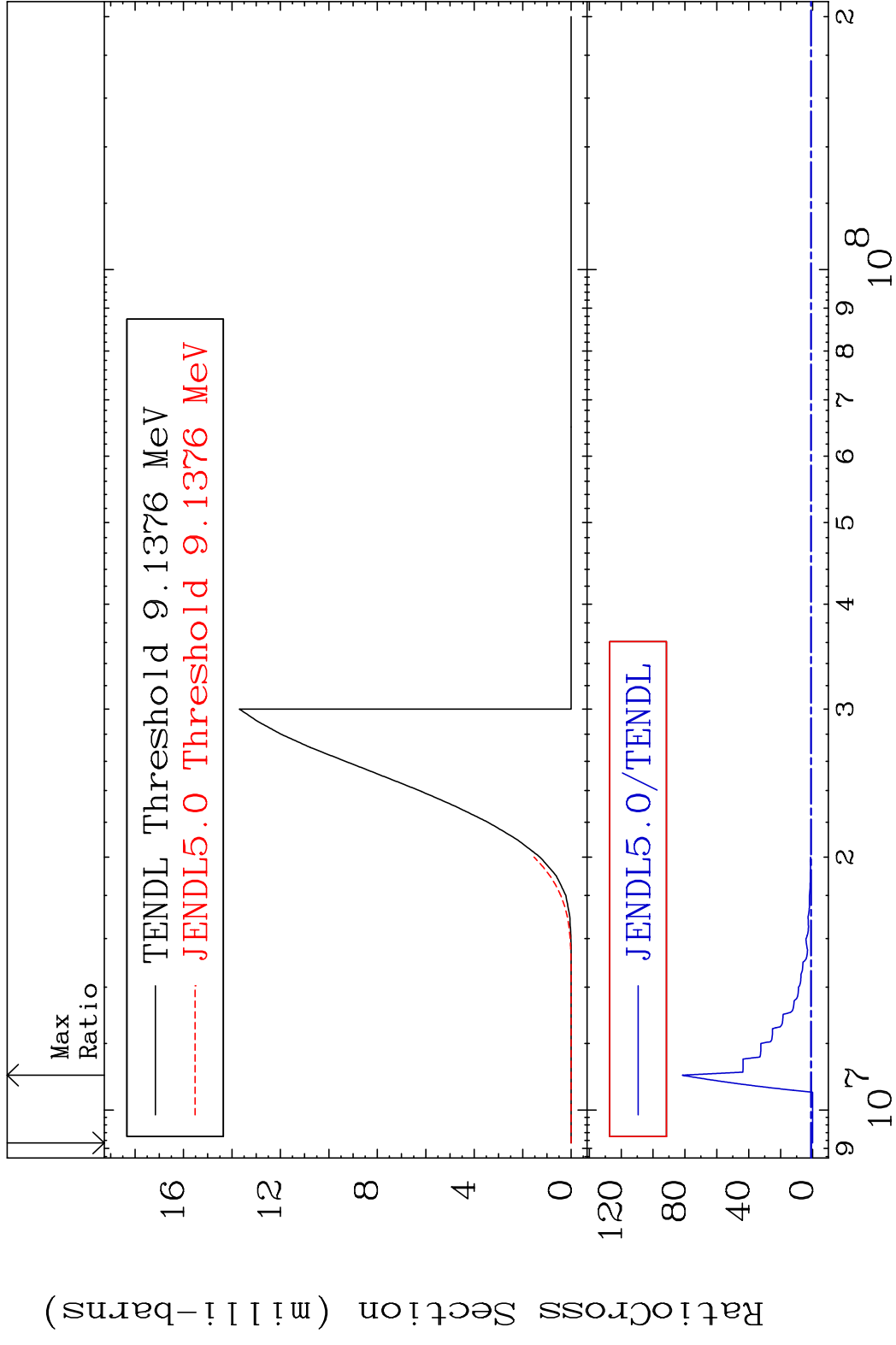
8 8 Incident Energy (eV) 61-Pm-148

MAT 6152

(n, n') d

61-Pm-148

Cross Section -100.0 To 8065. %



9

Incident Energy (eV)

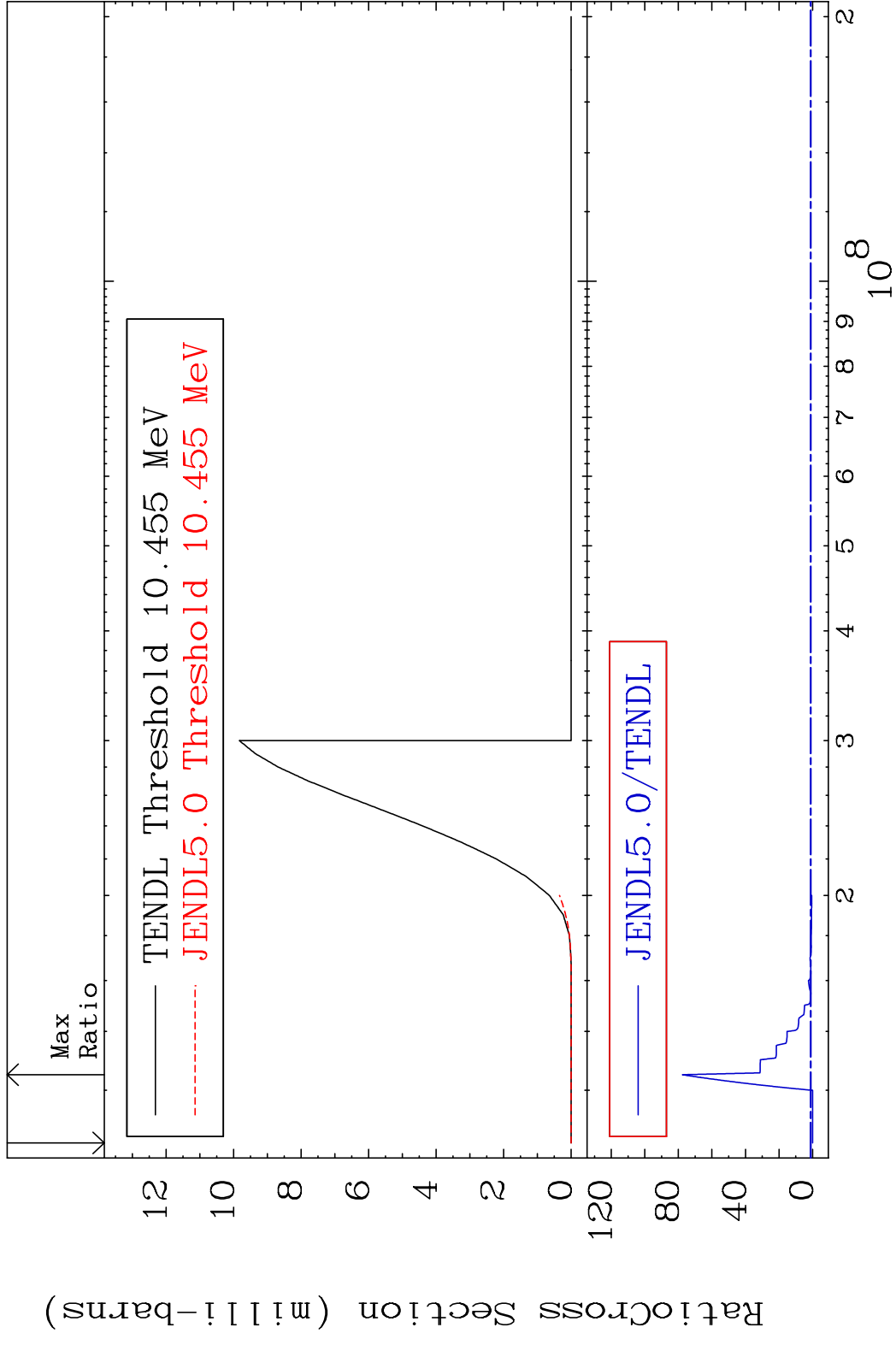
61-Pm-148

MAT 6152

(n, n') t

61-Pm-148

Cross Section -100.0 To 7662. %



10

Incident Energy (eV)

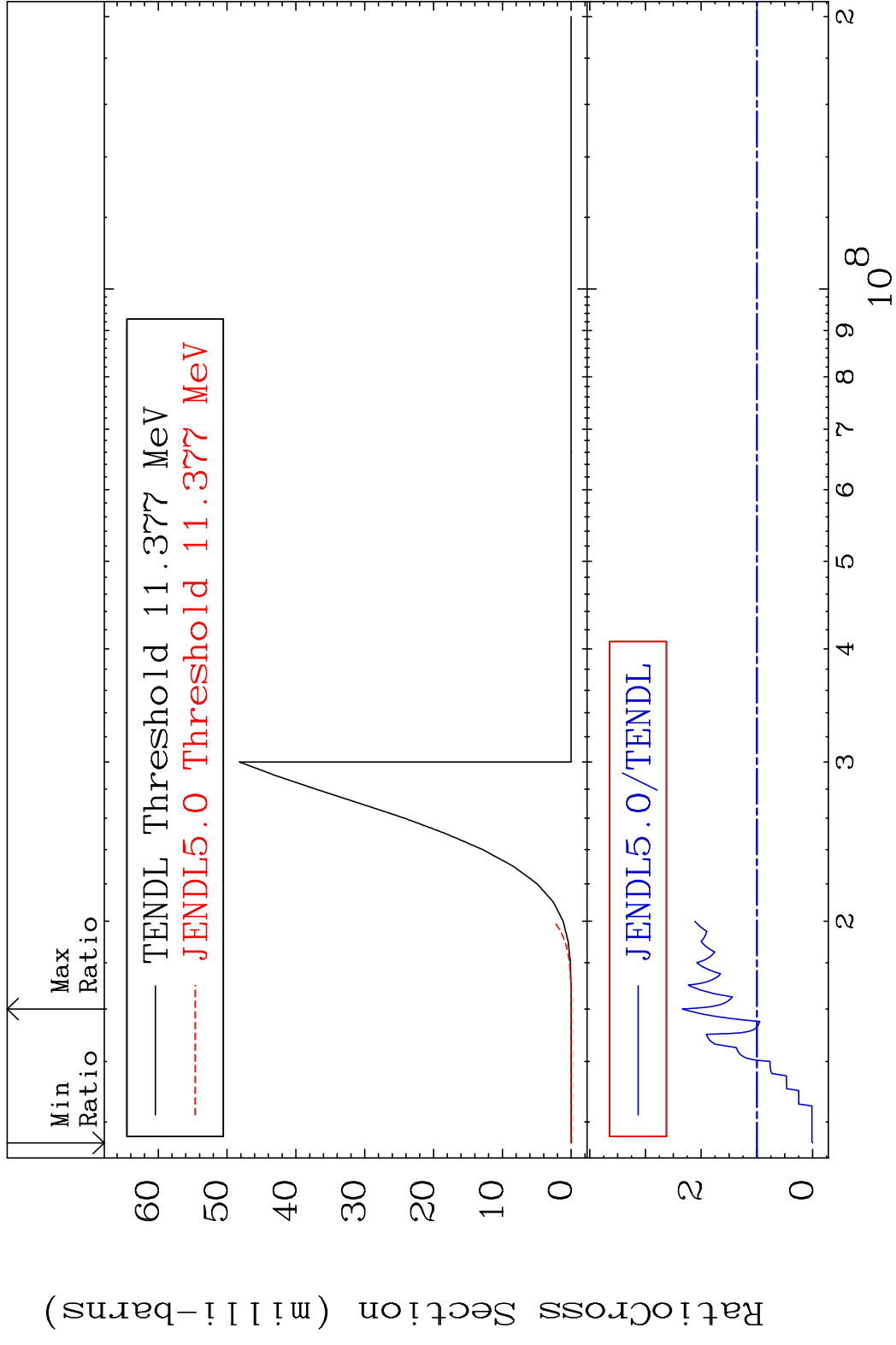
61-Pm-148

MAT 6152

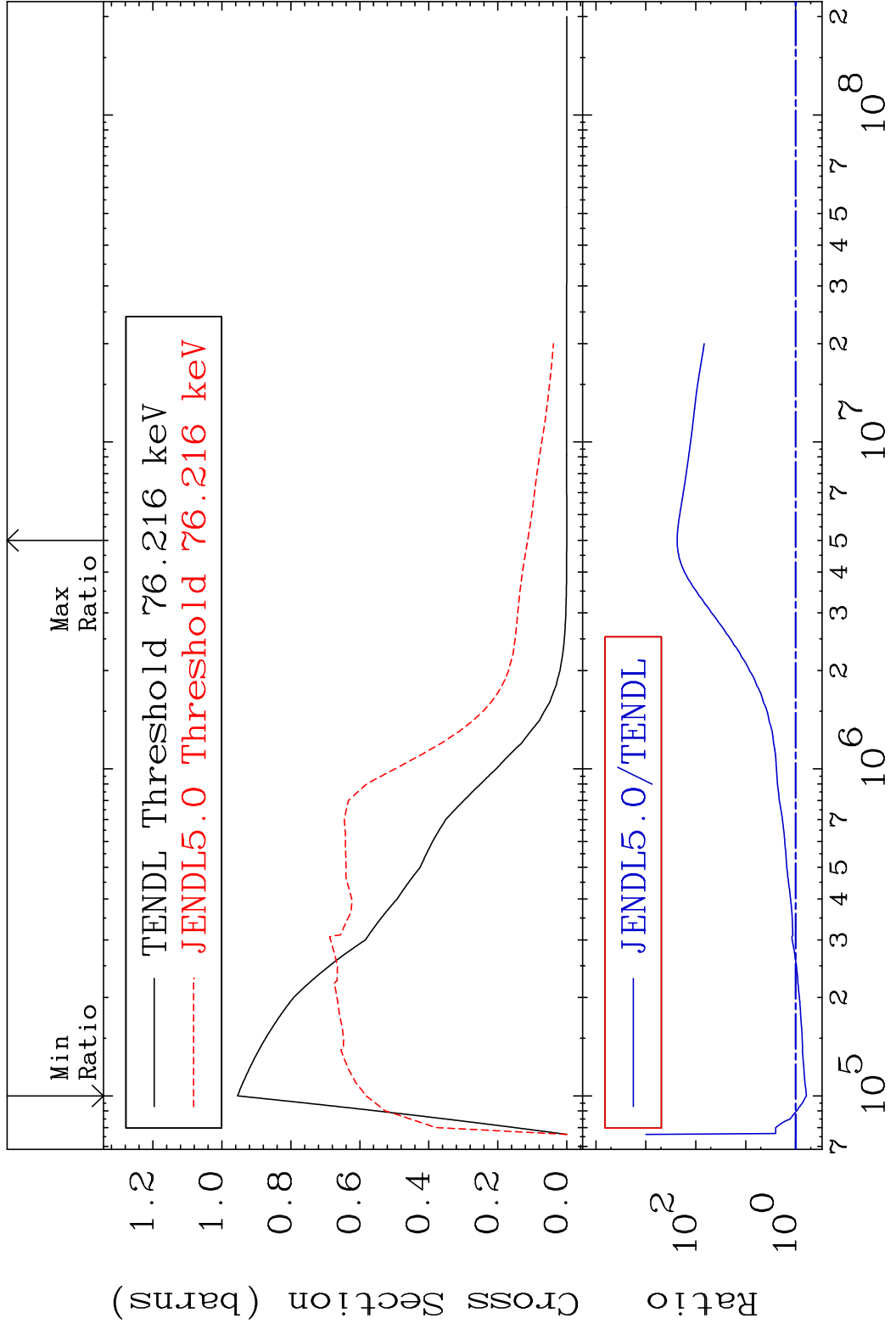
(n,2n) p

61-Pm-148

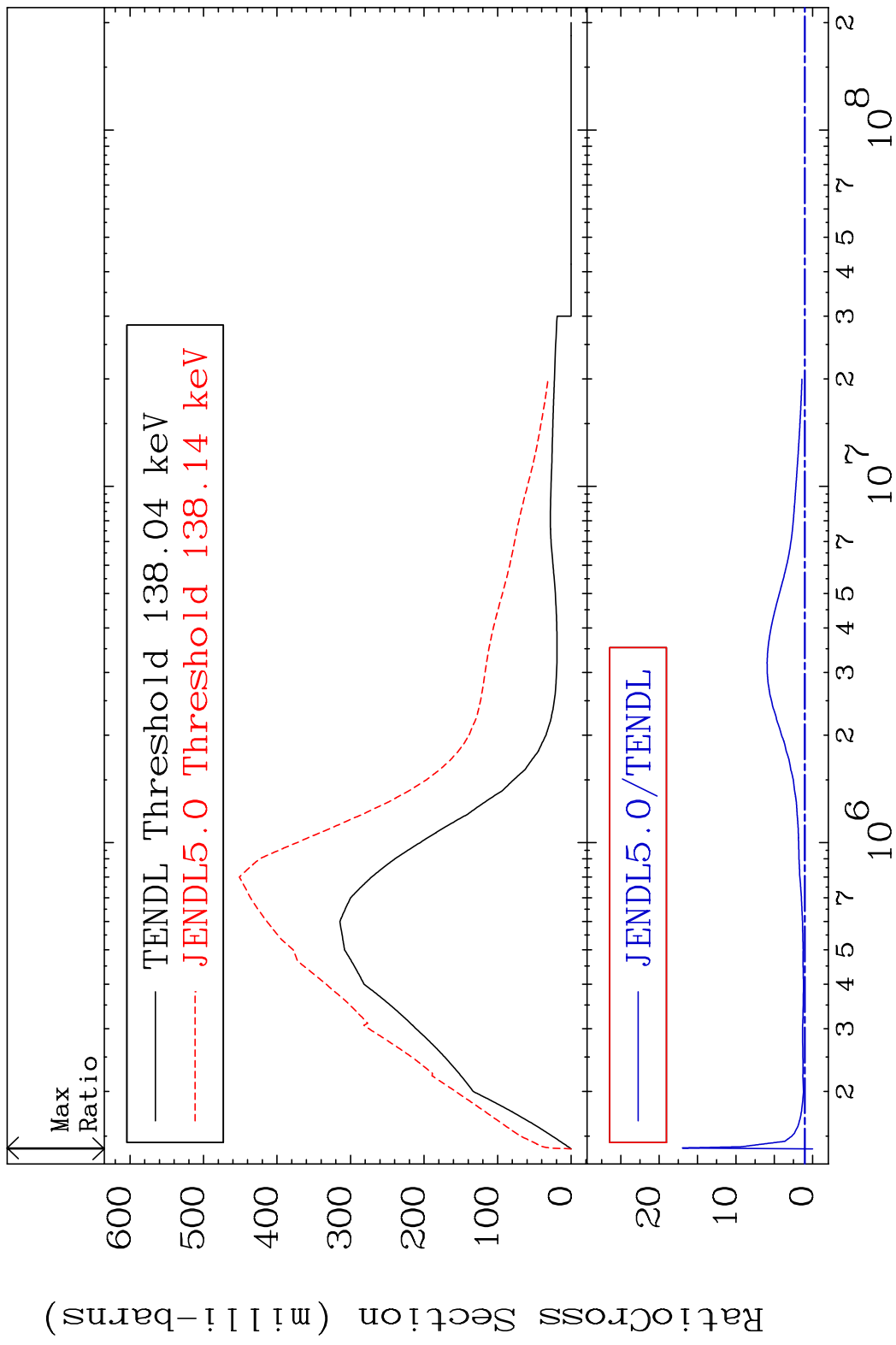
Cross Section -100.0 To 133.8 %



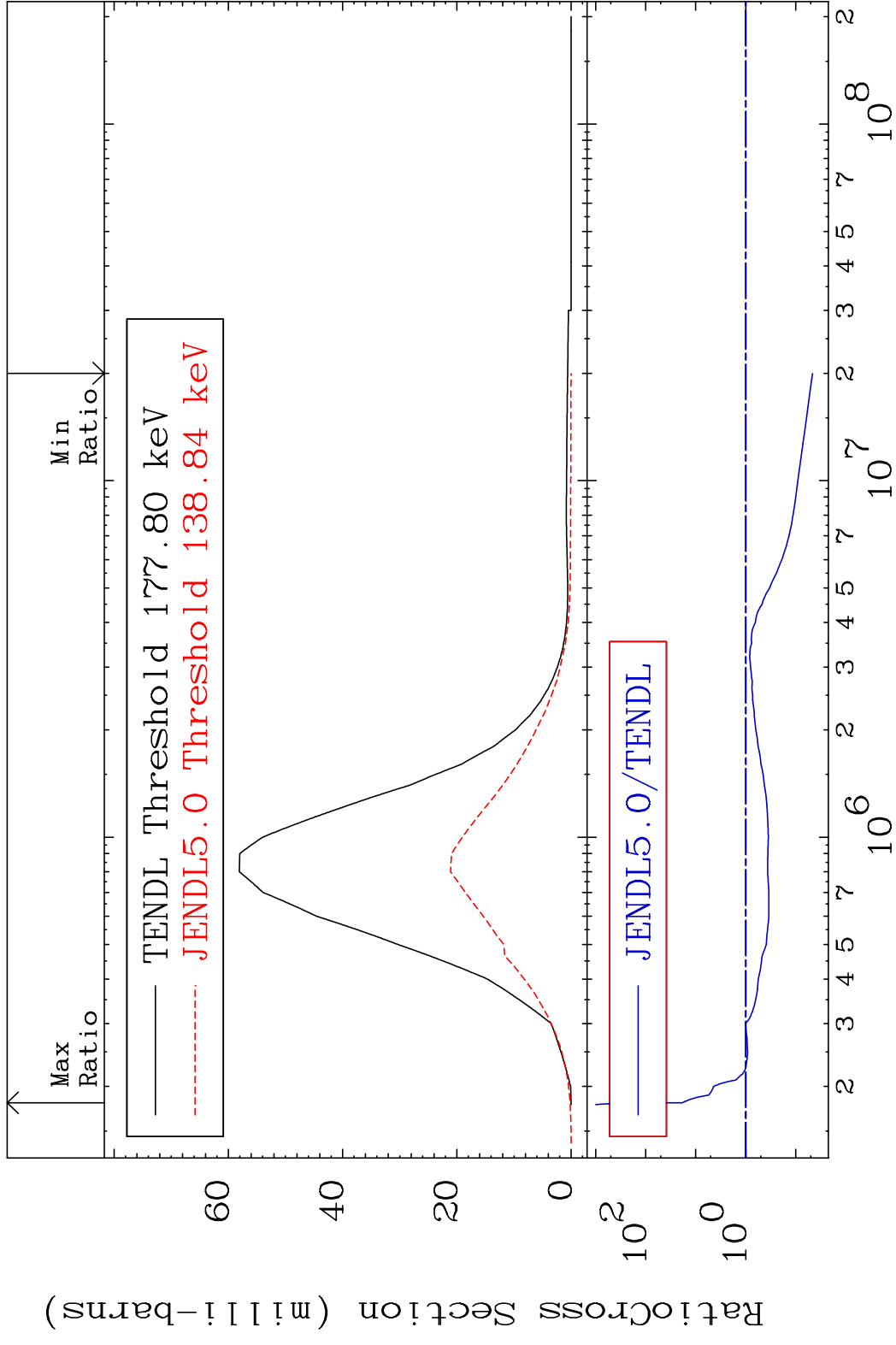
MAT 6152 MT= 51 (n, n') Level 61-Pm-148
 Cross Section -39.02 To 9999. %



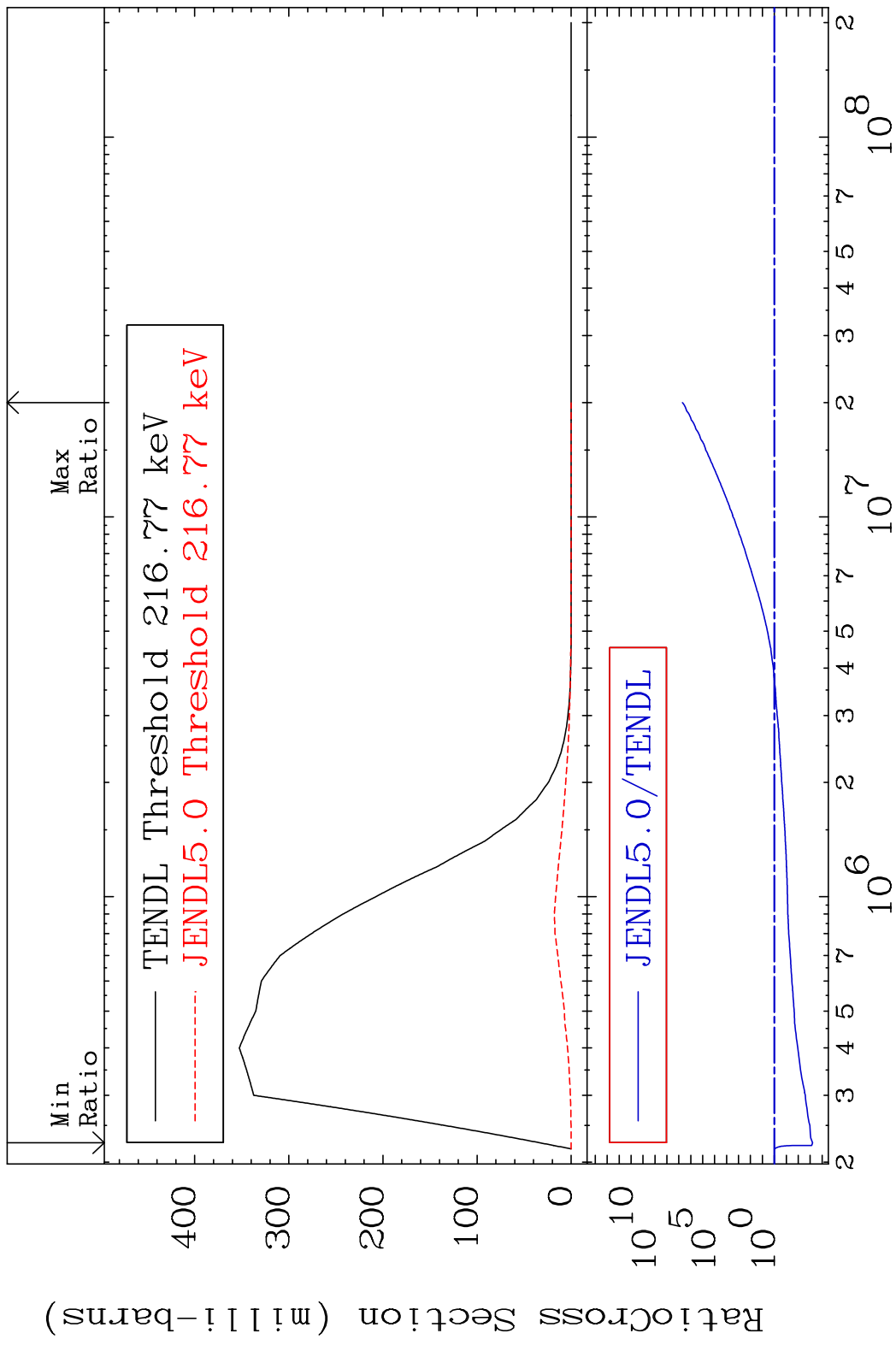
MAT 6152 MT= 52 (n, n') Level 61-Pm-148
 Cross Section -100.0 To 1598. %



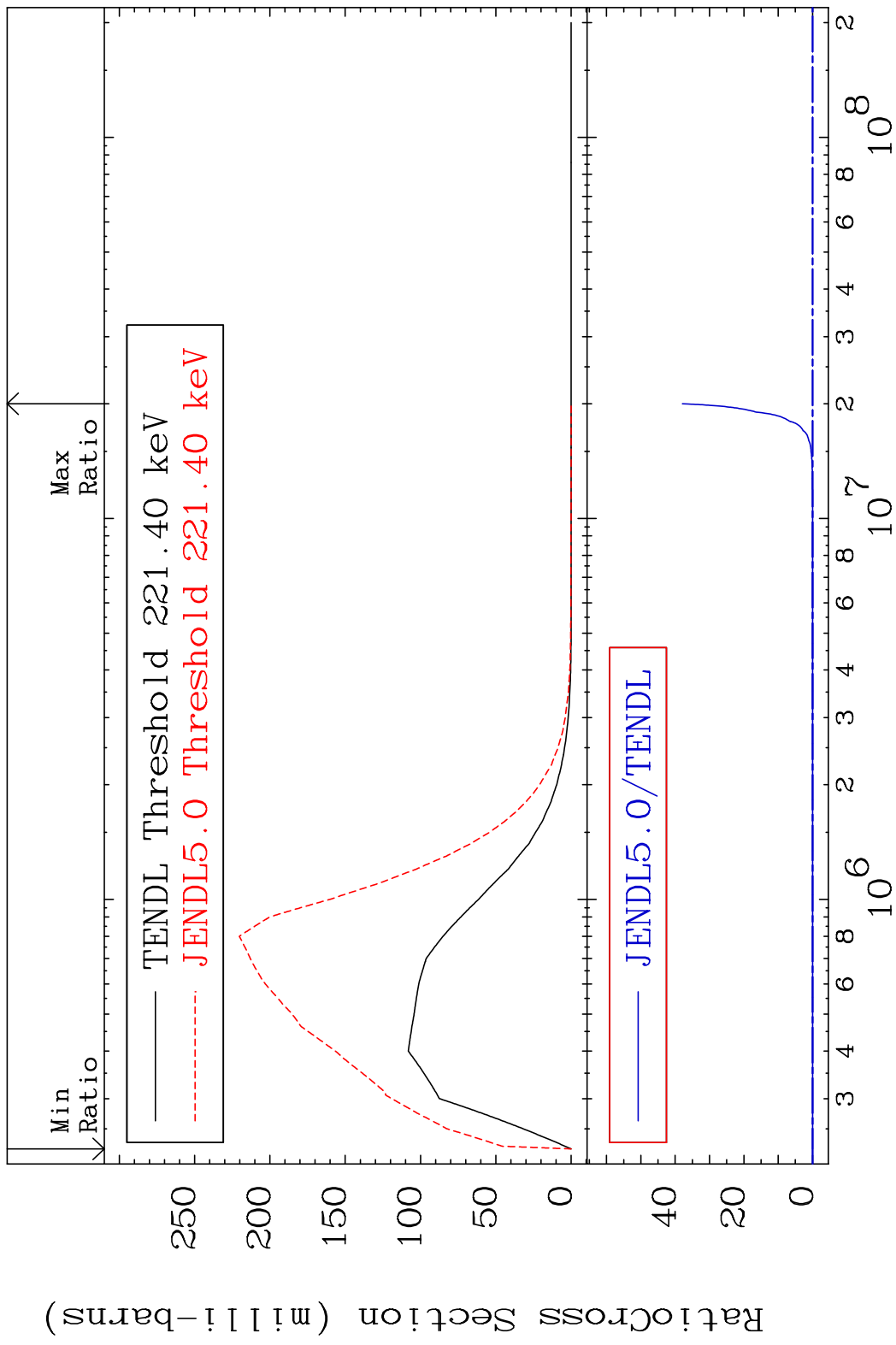
MAT 6152 MT= 53 (n, n') Level 61-Pm-148
 Cross Section -95.40 To 1748. %



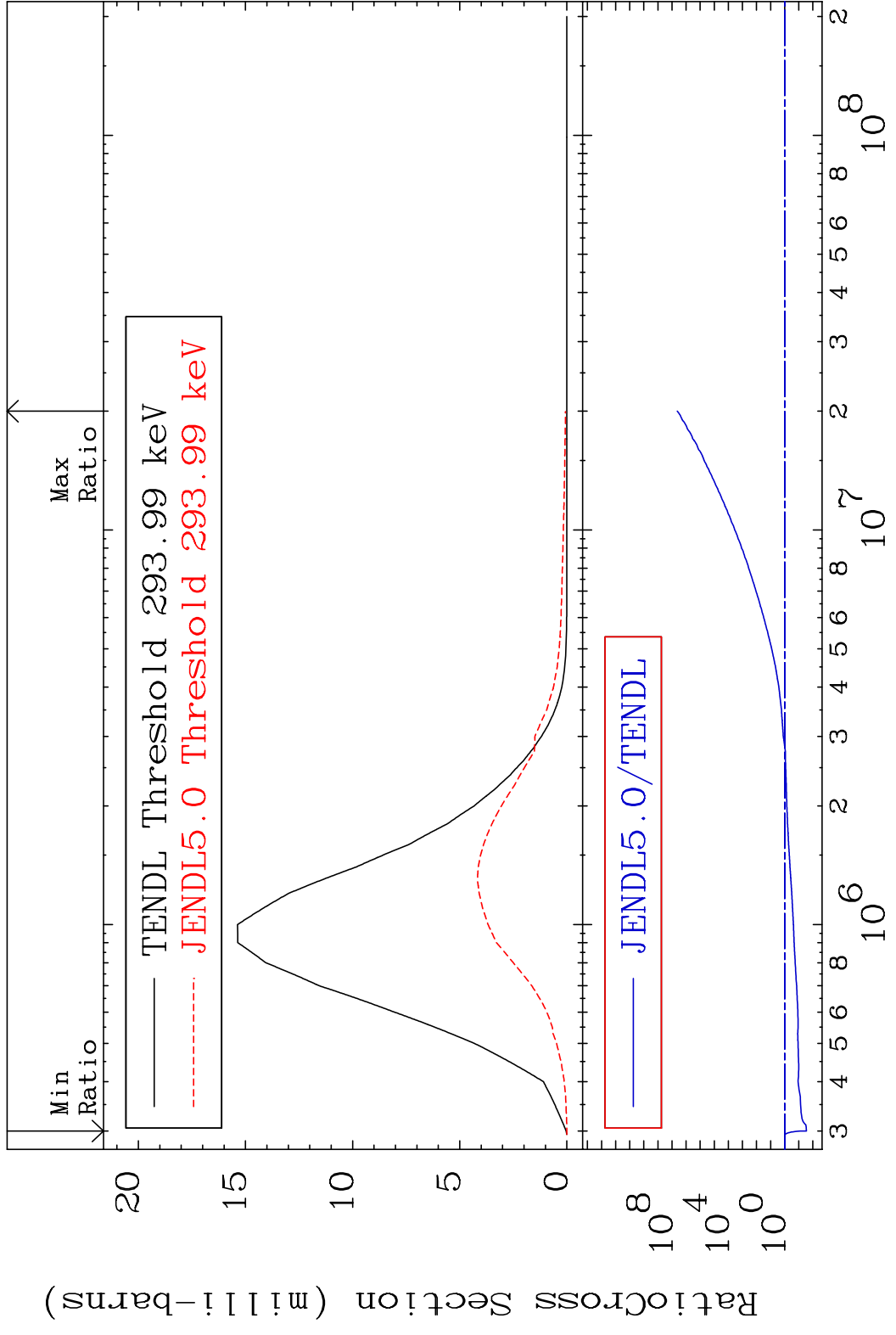
MAT 6152 MT= 54 (n, n') Level 61-Pm-148
 Cross Section -99.94 To 9999. %



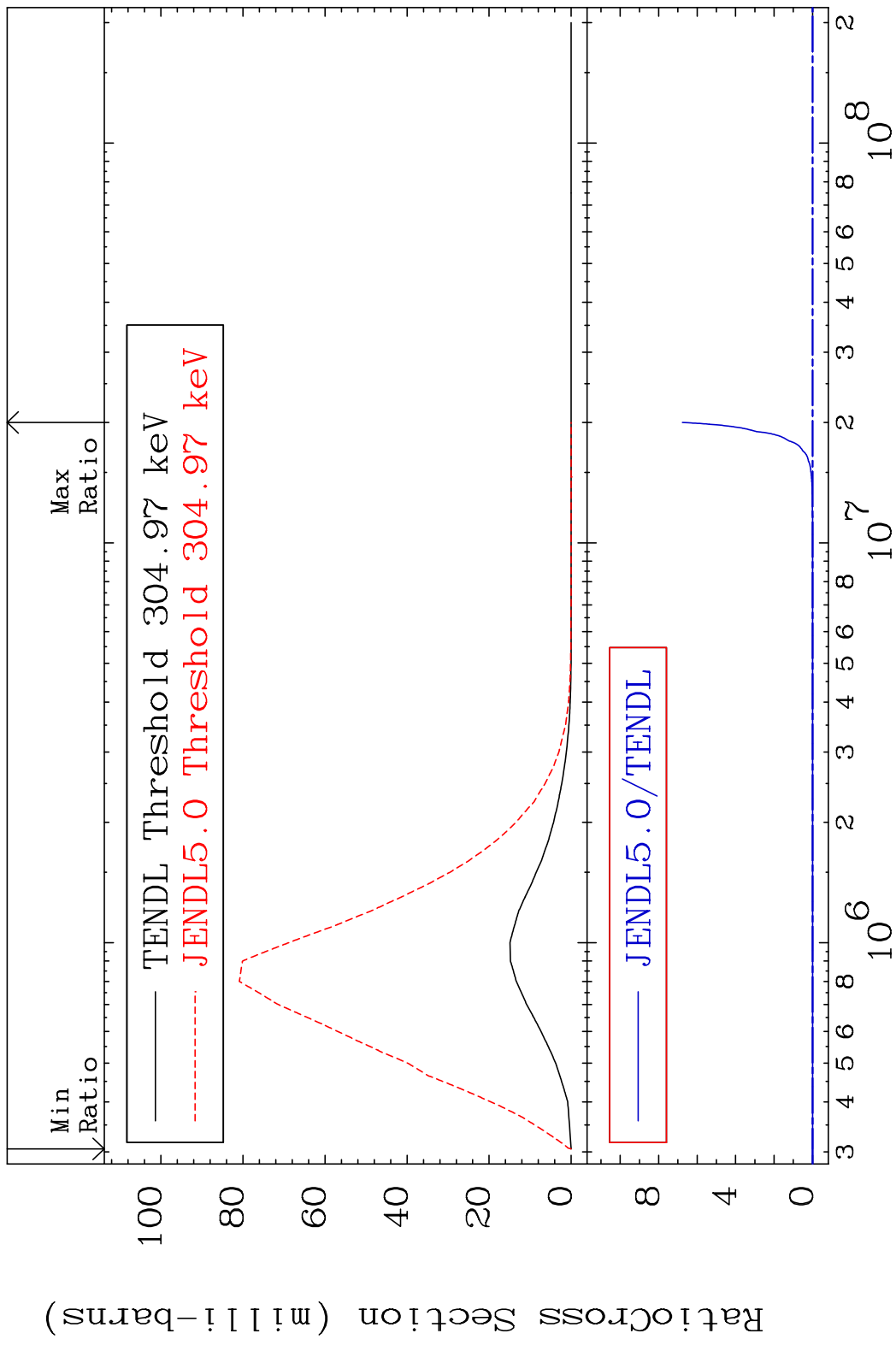
MAT 6152 MT= 55 (n,n') Level 61-Pm-148
 Cross Section -100.0 To 9999. %



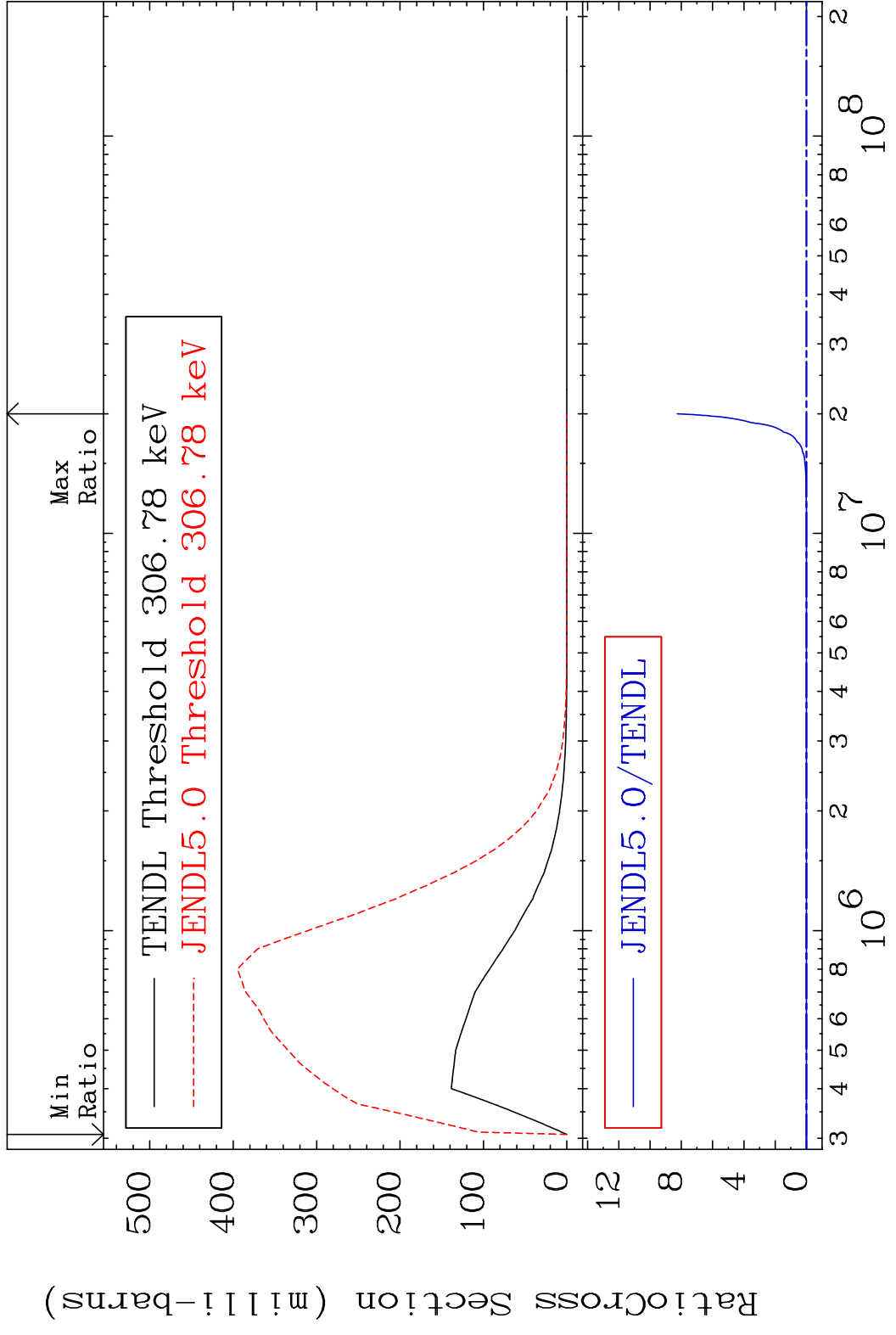
MAT 6152 MT= 56 (n,n') Level 61-Pm-148
 Cross Section -97.13 To 9999. %



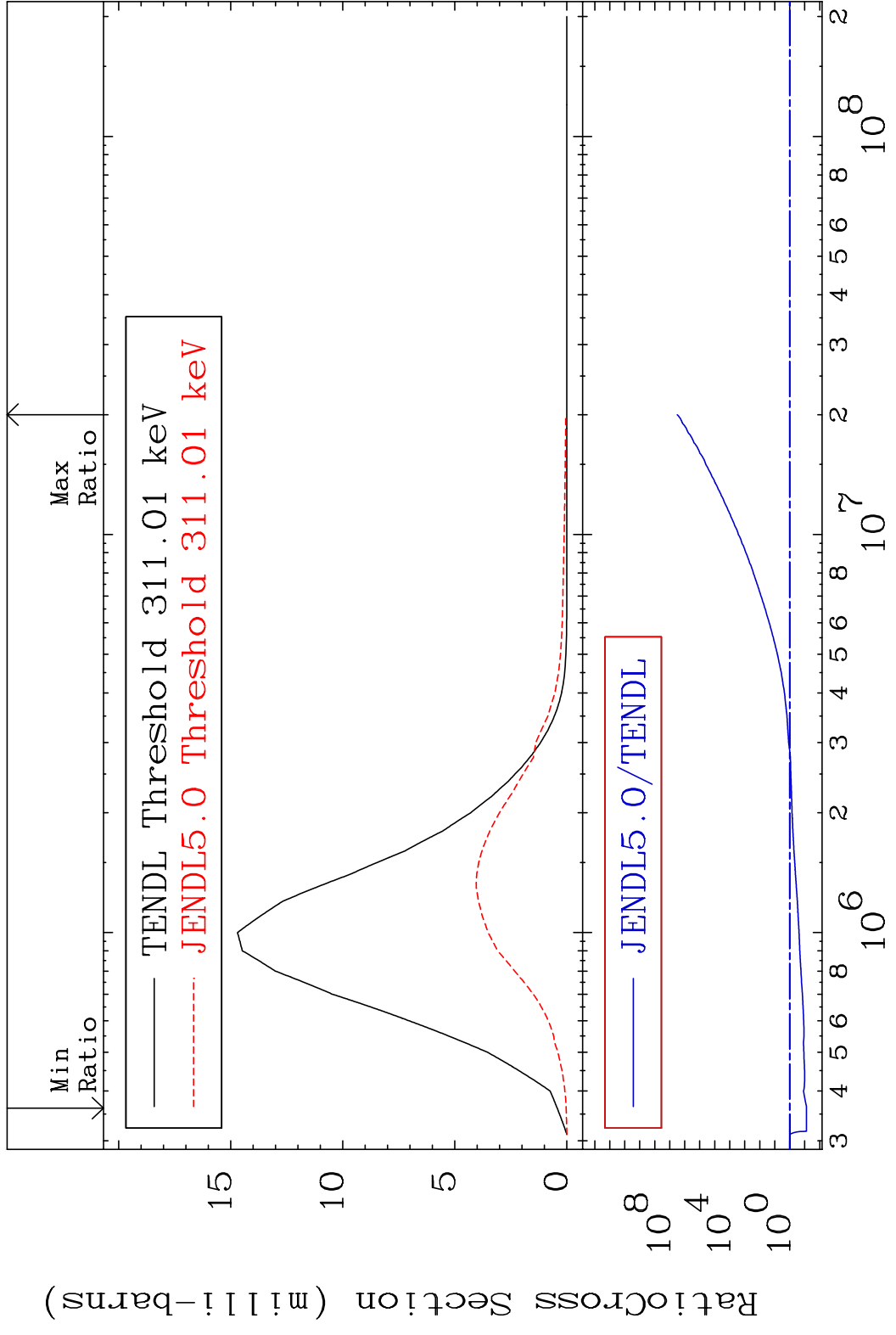
MAT 6152 MT= 57 (n, n') Level 61-Pm-148
 Cross Section -100.0 To 9999. %



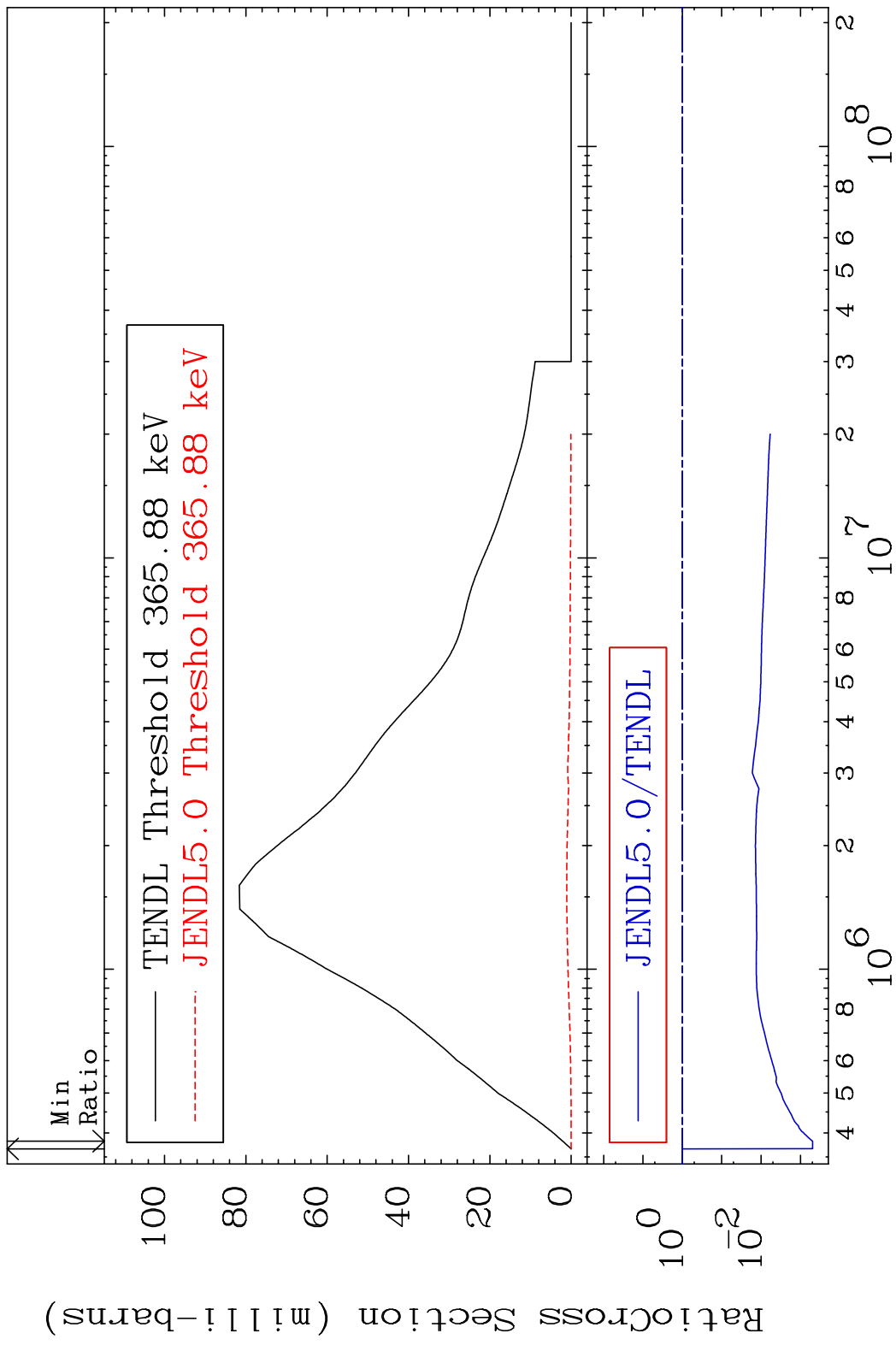
MAT 6152 MT= 58 (n, n') Level 61-Pm-148
 Cross Section -100.0 To 9999. %



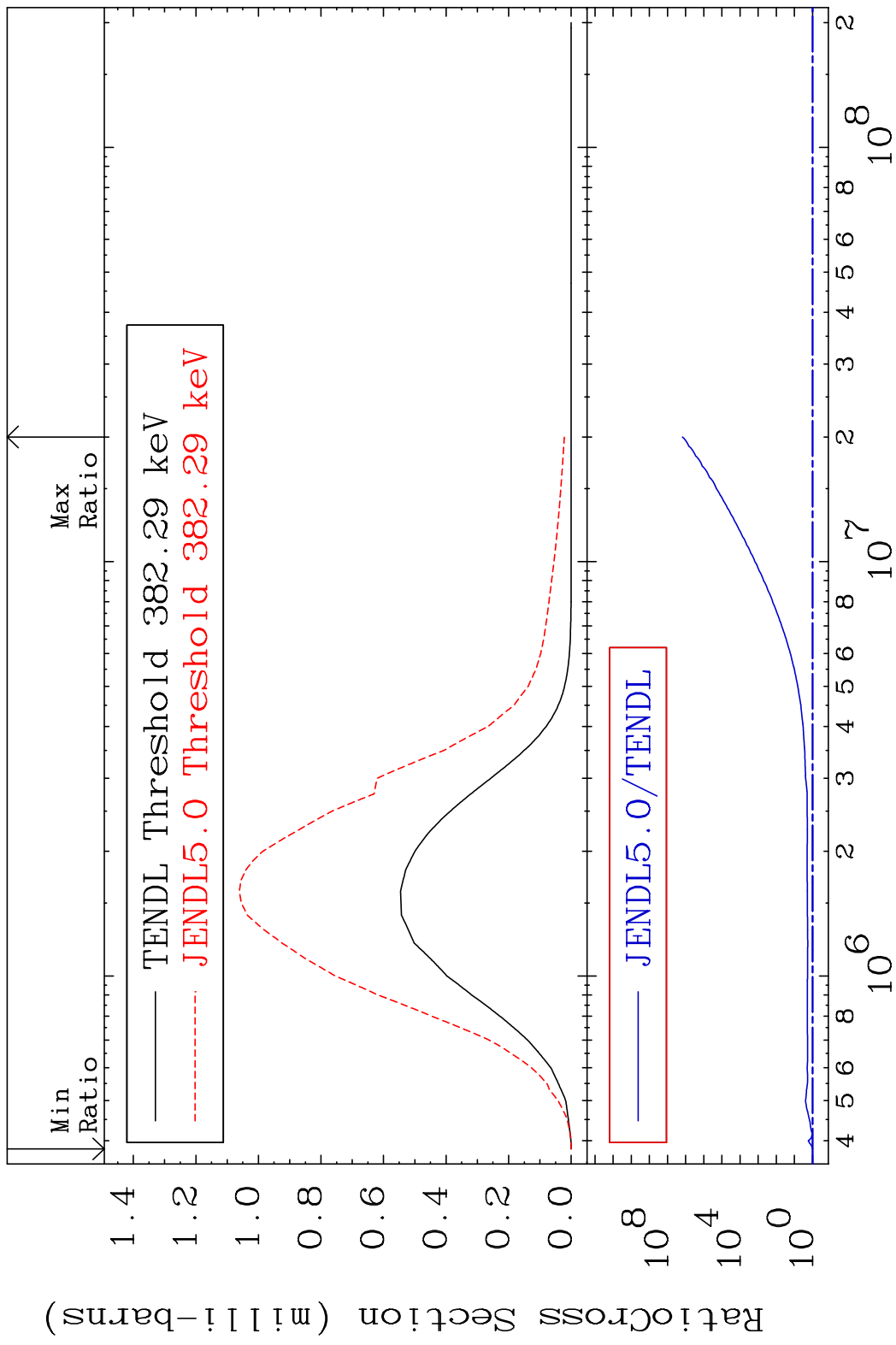
MAT 6152 MT= 59 (n, n') Level 61-Pm-148
 Cross Section -92.27 To 9999. %



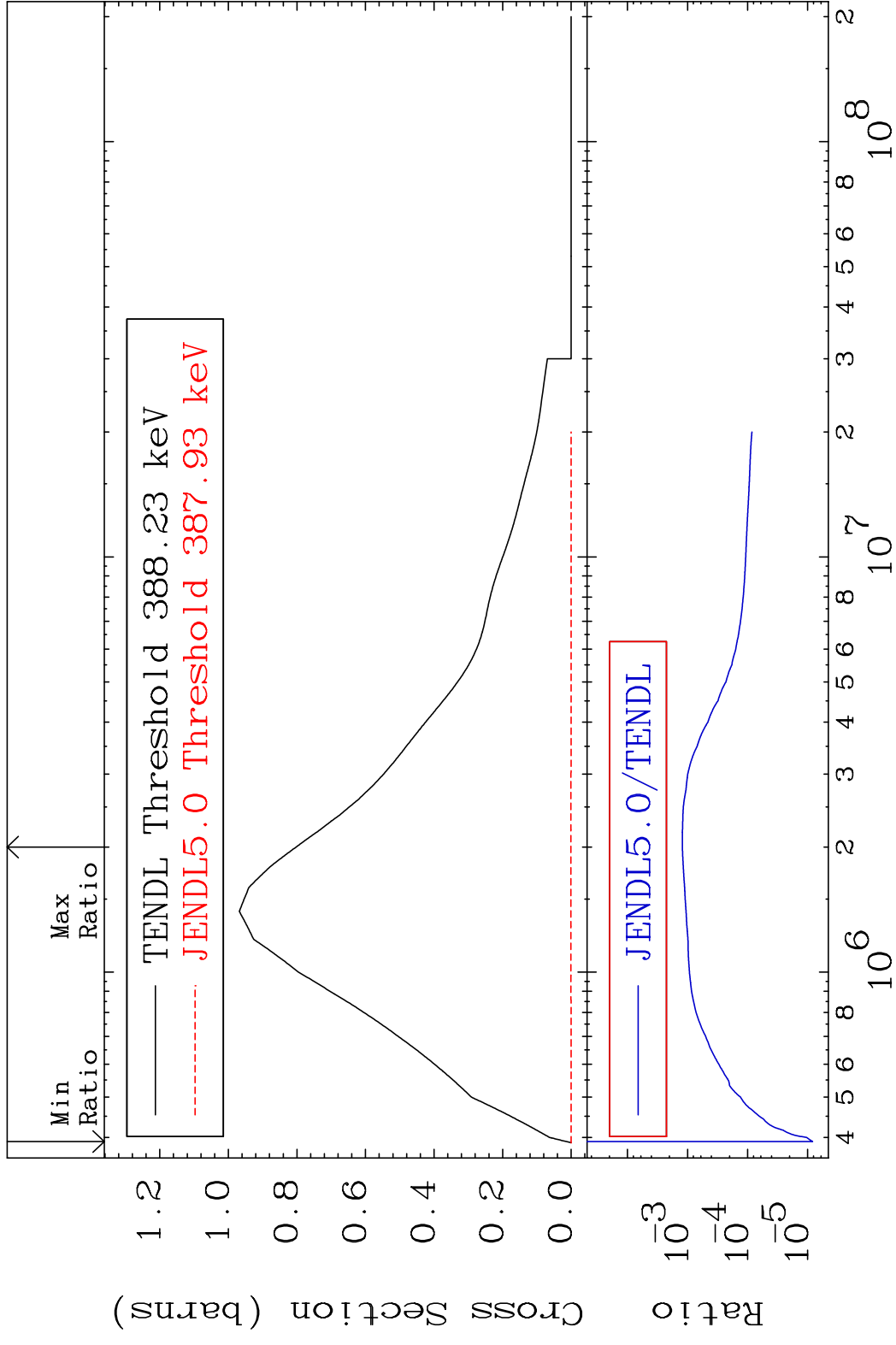
MAT 6152 MT= 60 (n,n') Level 61-Pm-148
 Cross Section -99.95 To 0.000 %



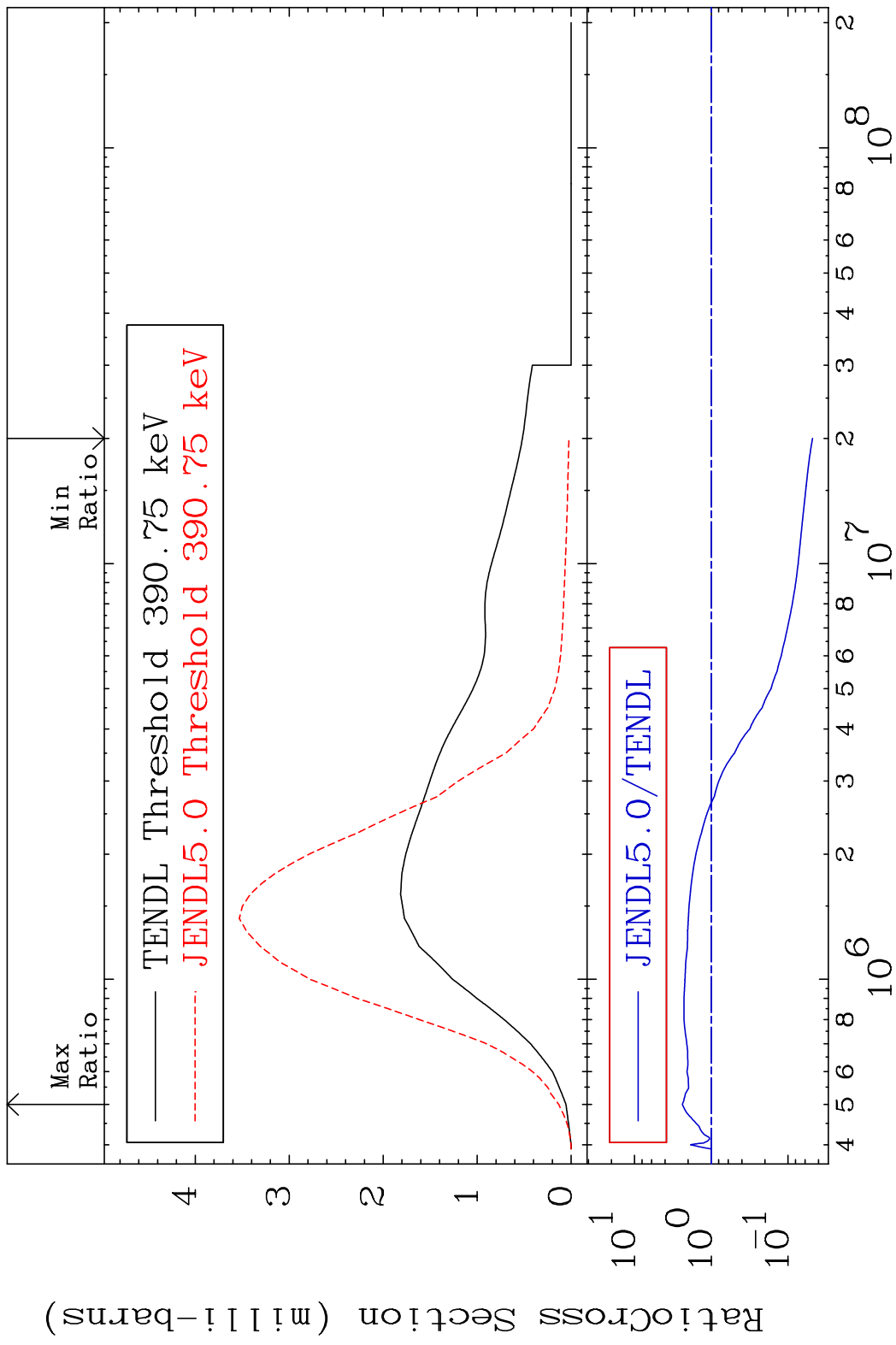
MAT 6152 MT= 61 (n, n') Level 61-Pm-148
 Cross Section 0.000 To 9999. %



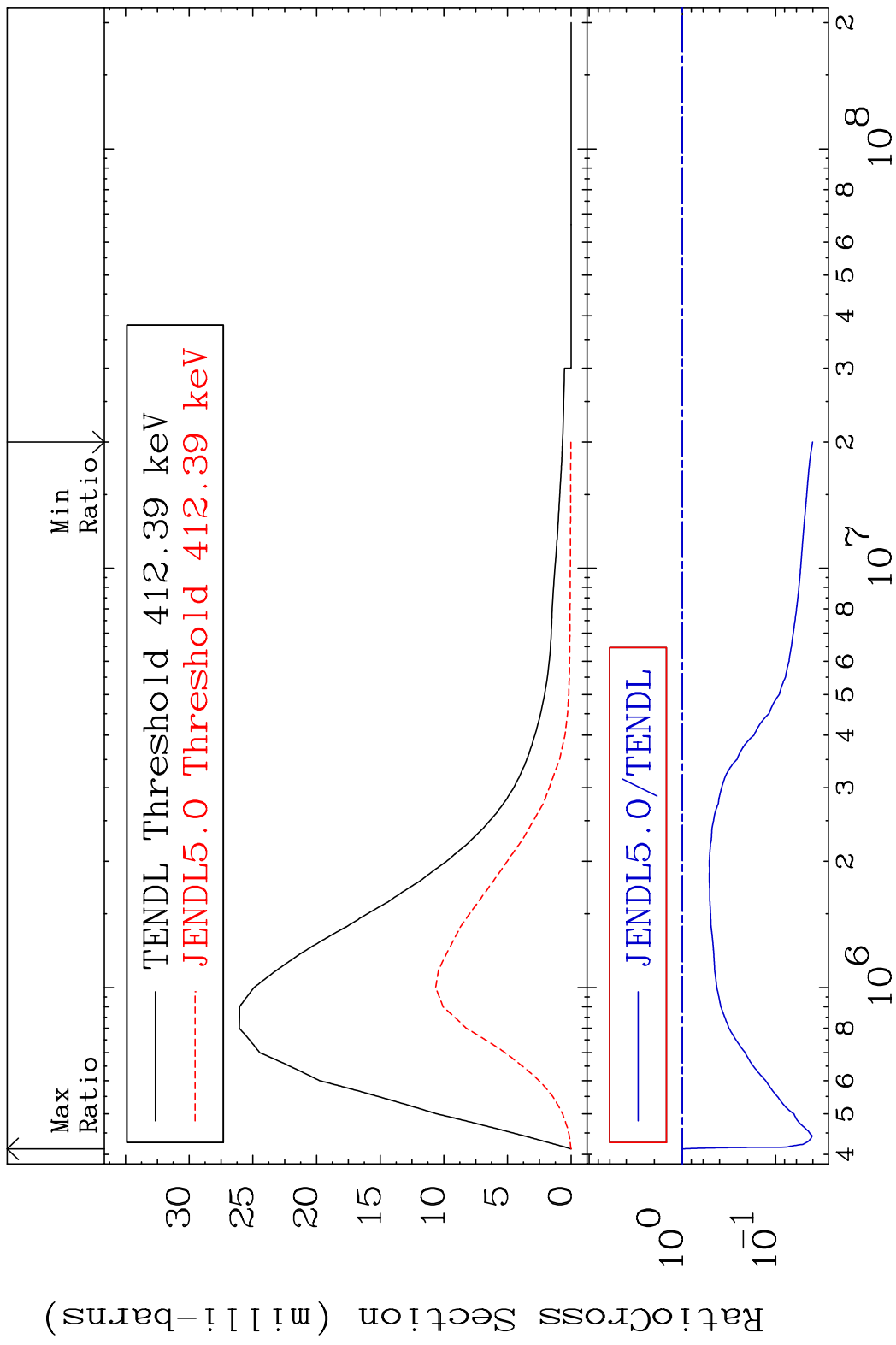
MAT 6152 MT= 62 (n, n') Level 61-Pm-148
 Cross Section -100.0 To -99.88%



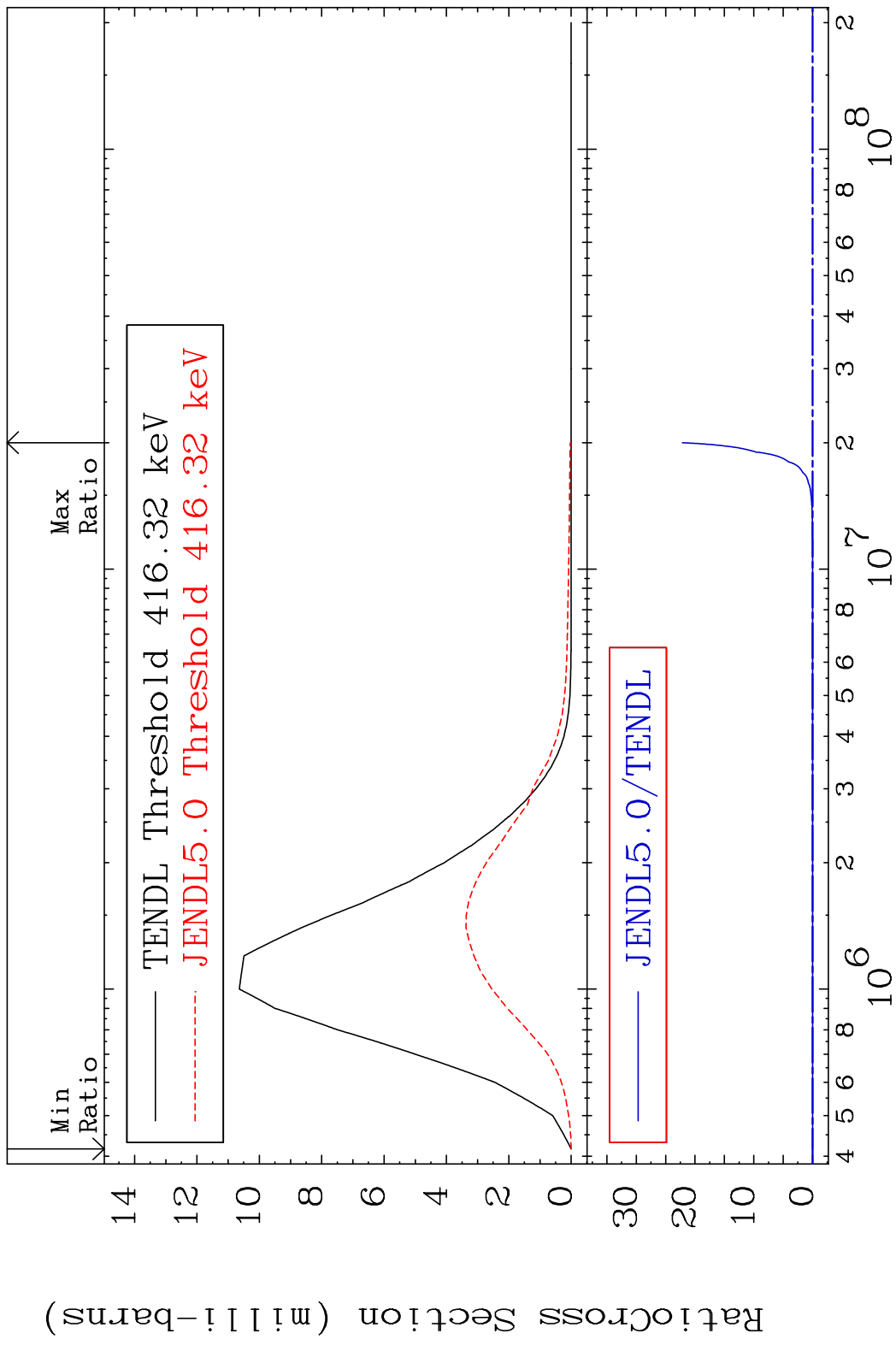
MAT 6152 MT= 63 (n, n') Level 61-Pm-148
 Cross Section -95.22 To 138.2 %



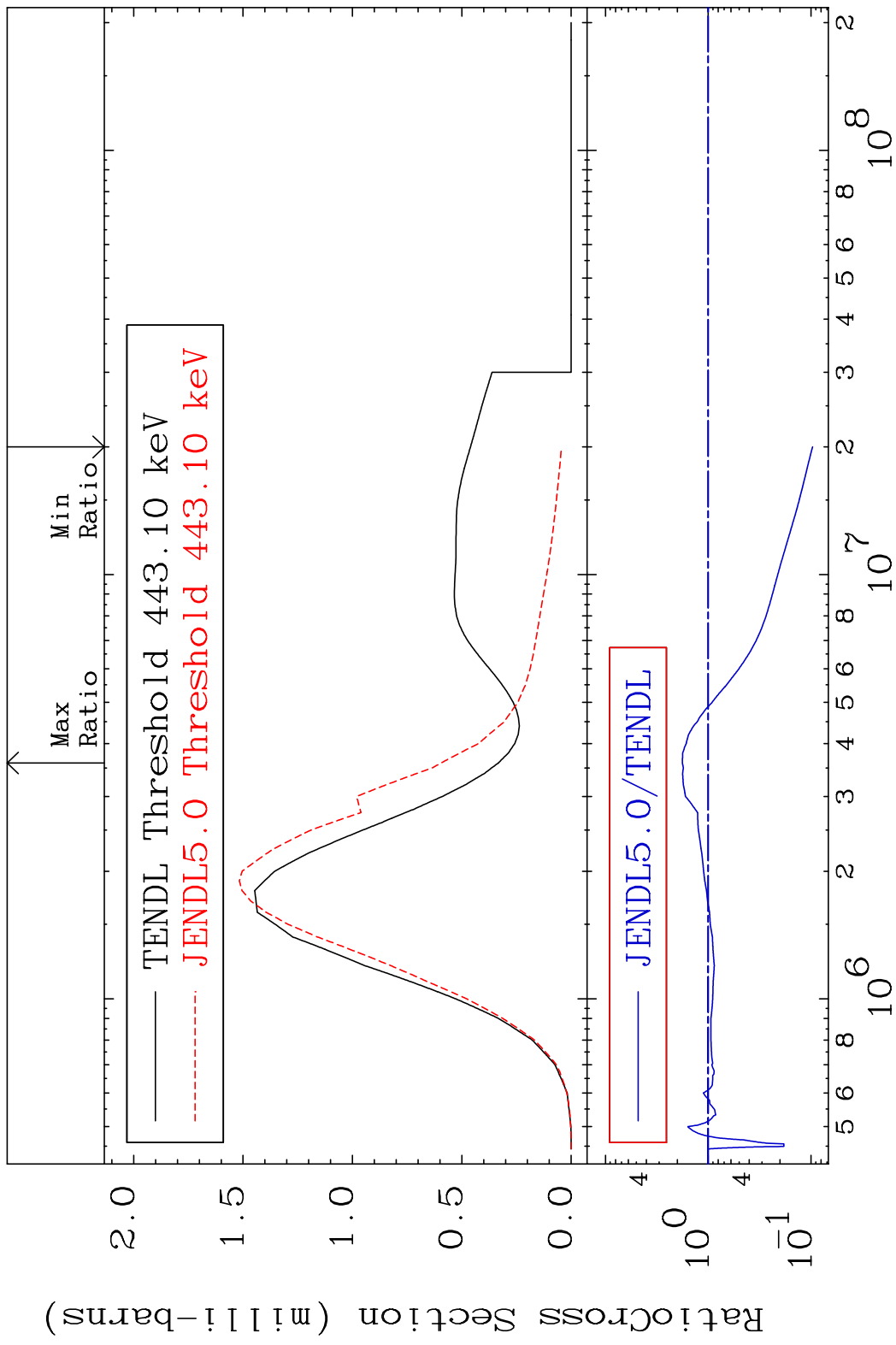
MAT 6152 MT= 64 (n, n') Level 61-Pm-148
 Cross Section -95.98 To 0.000 %



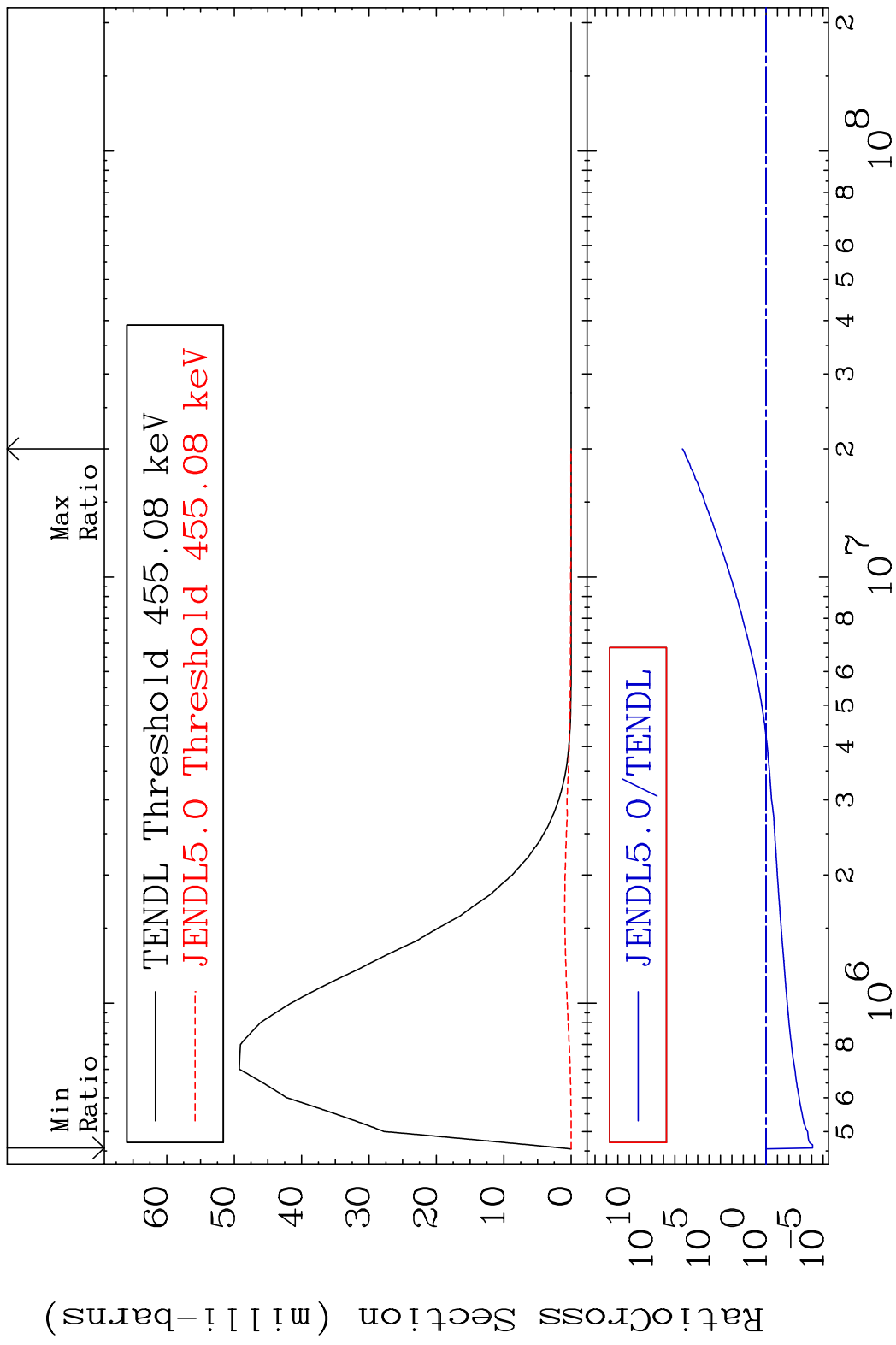
MAT 6152 MT= 65 (n, n') Level 61-Pm-148
 Cross Section -100.0 To 9999. %



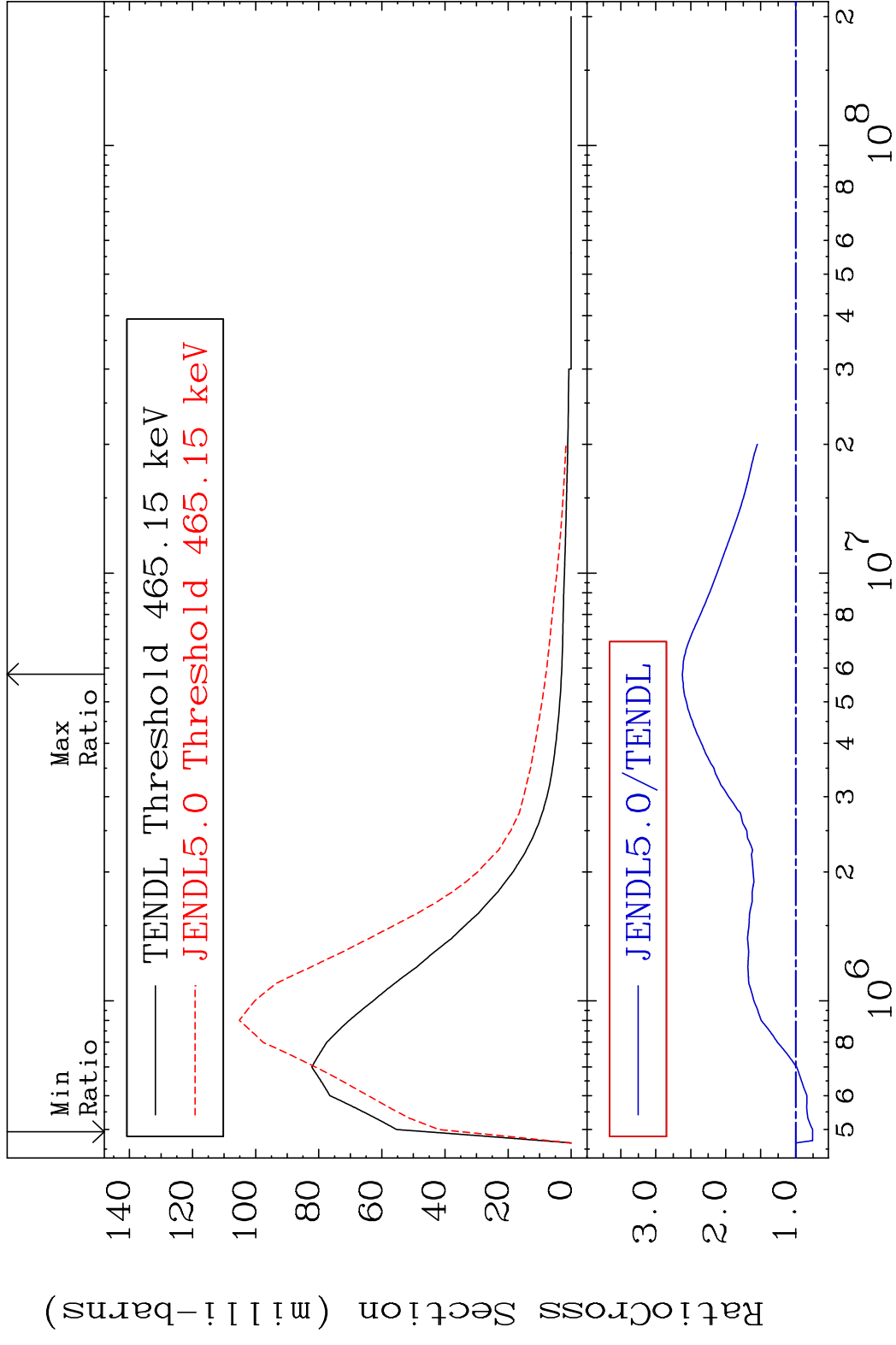
MAT 6152 MT= 66 (n, n') Level 61-Pm-148
 Cross Section -90.34 To 78.67 %



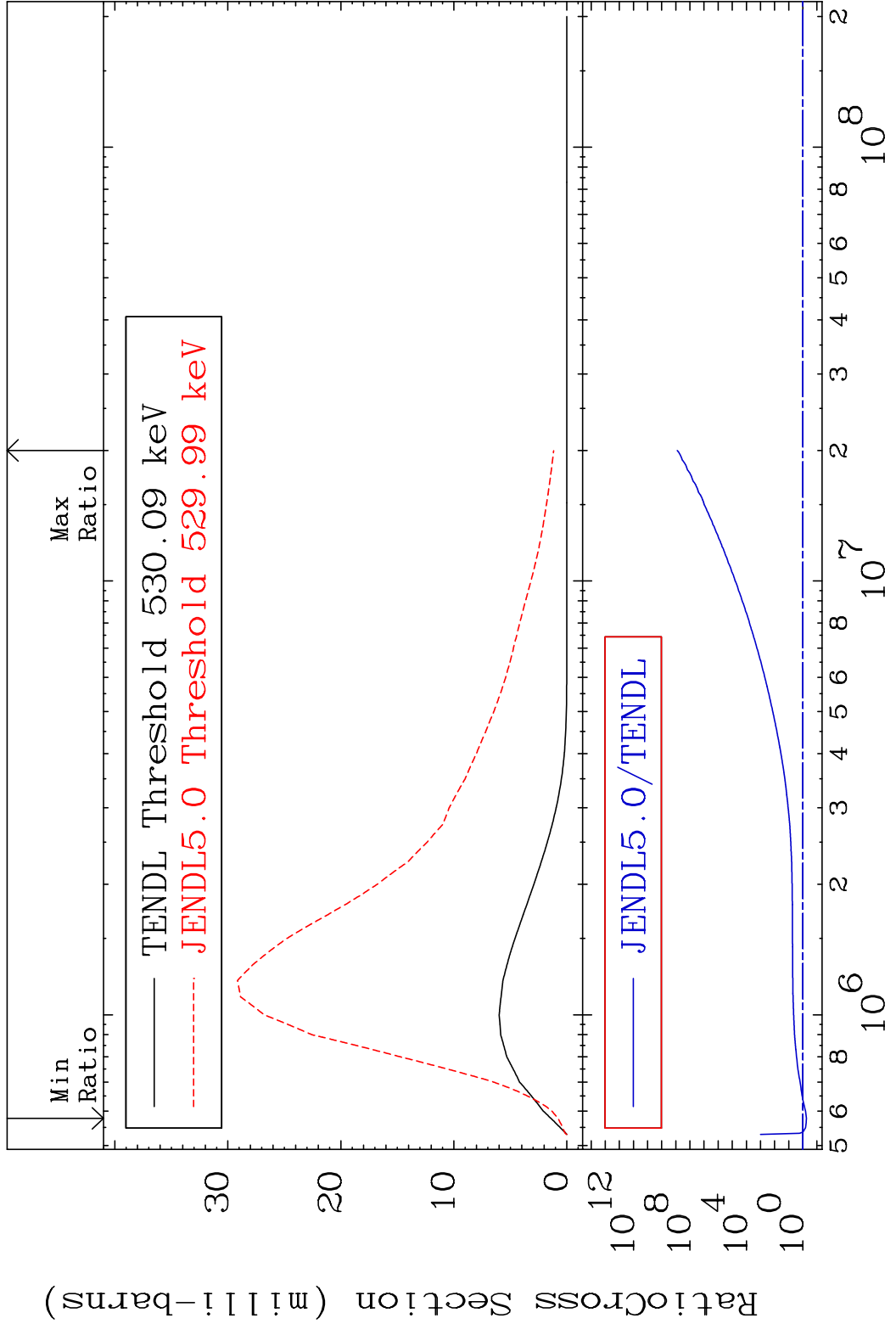
MAT 6152 MT= 67 (n, n') Level 61-Pm-148
 Cross Section -99.99 To 9999. %



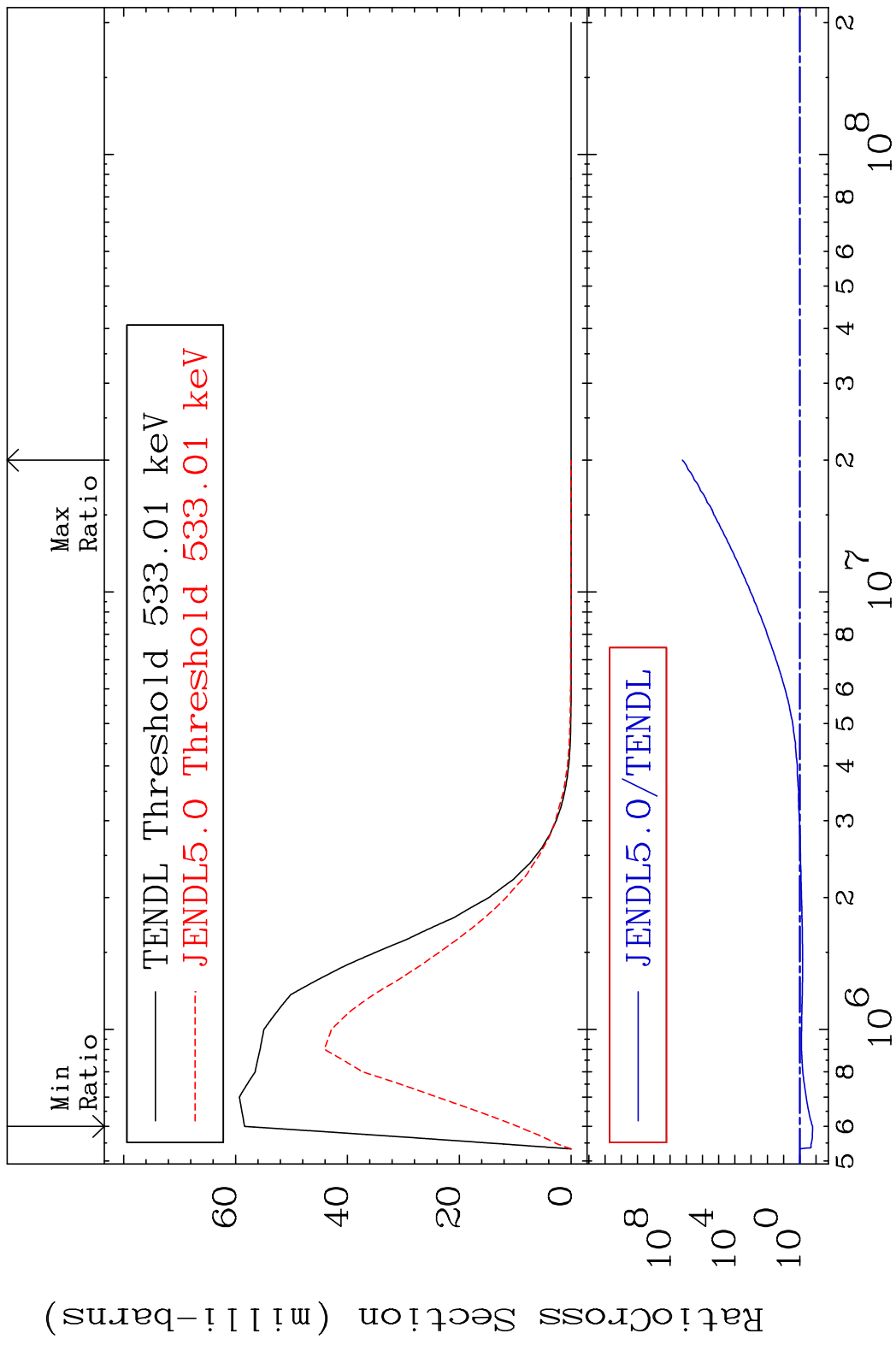
MAT 6152 MT= 68 (n, n') Level 61-Pm-148
 Cross Section -24.12 To 162.0 %



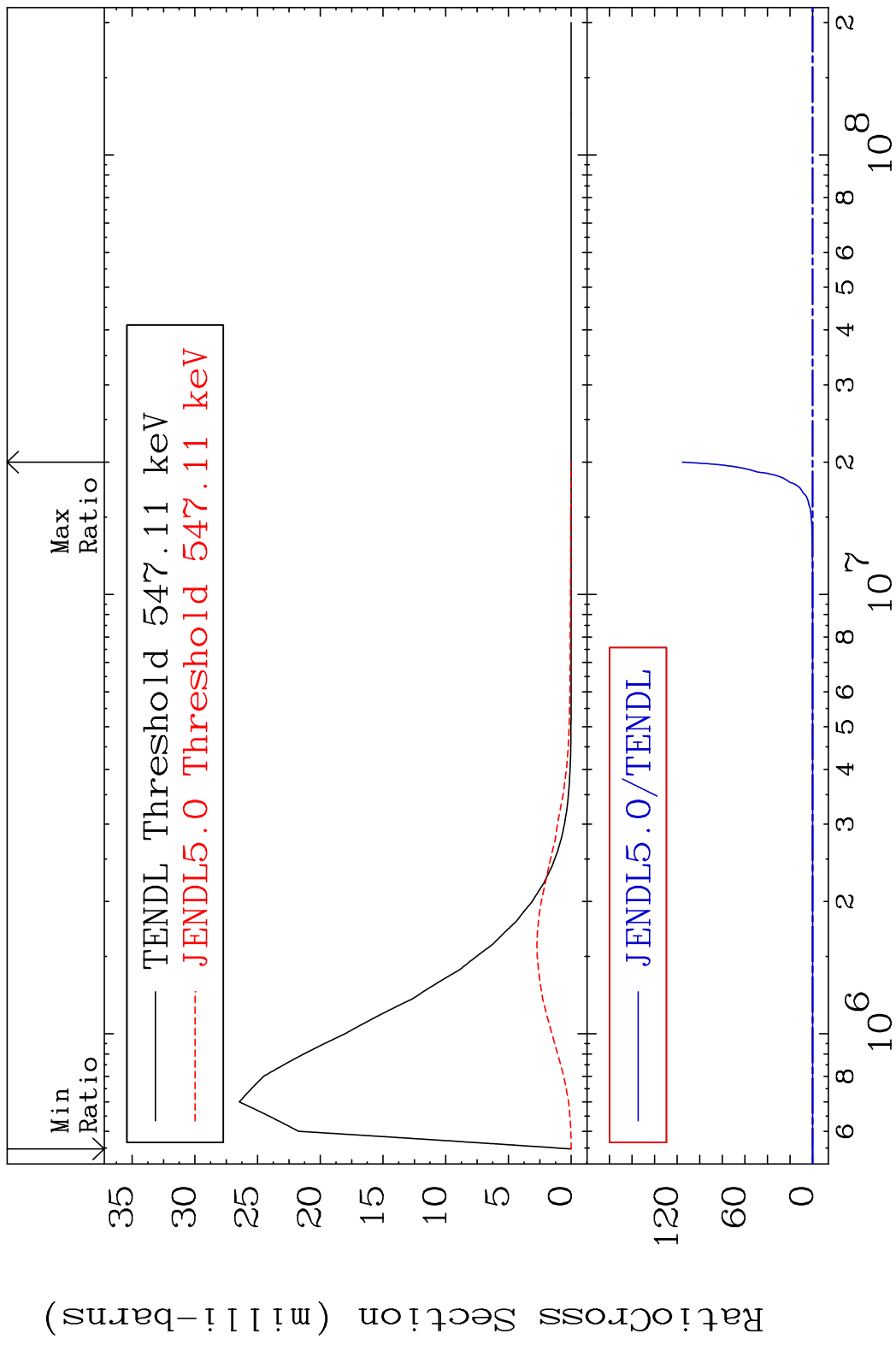
MAT 6152 MT= 69 (n, n') Level 61-Pm-148
 Cross Section -44.19 To 9999. %



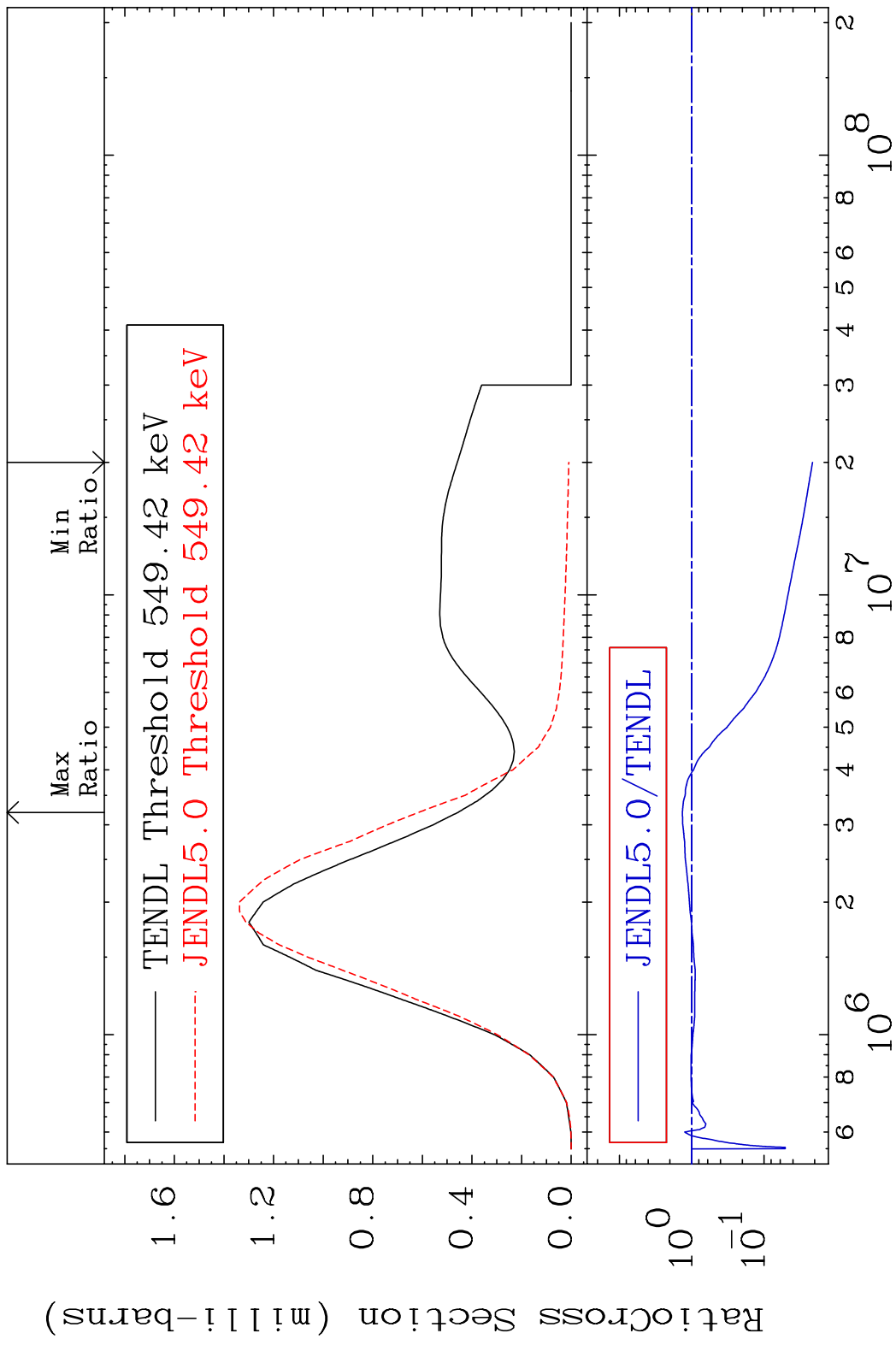
MAT 6152 MT= 70 (n, n') Level 61-Pm-148
 Cross Section -83.62 To 9999. %



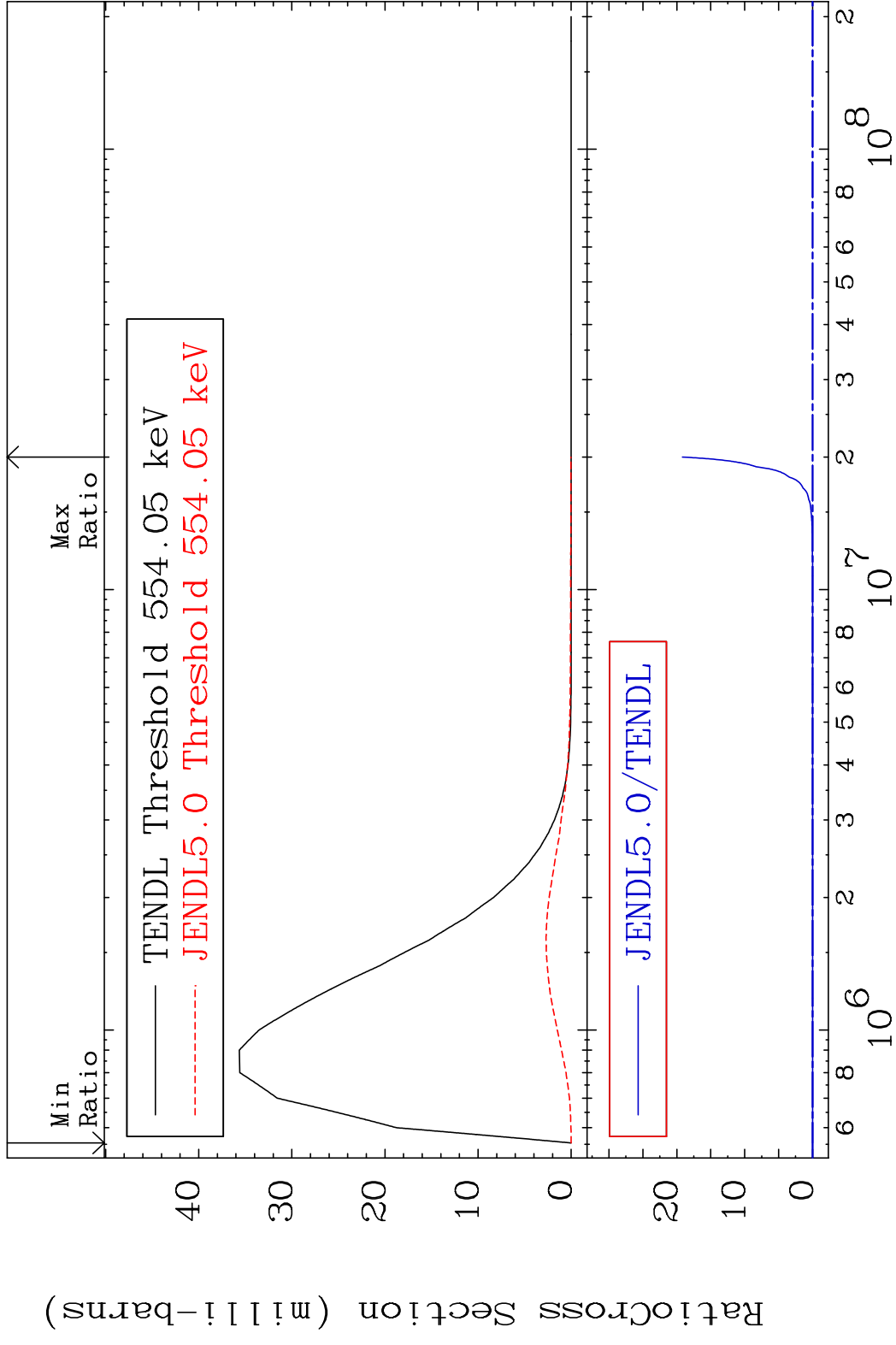
MAT 6152 MT= 71 (n, n') Level 61-Pm-148
 Cross Section -100.0 To 9999. %



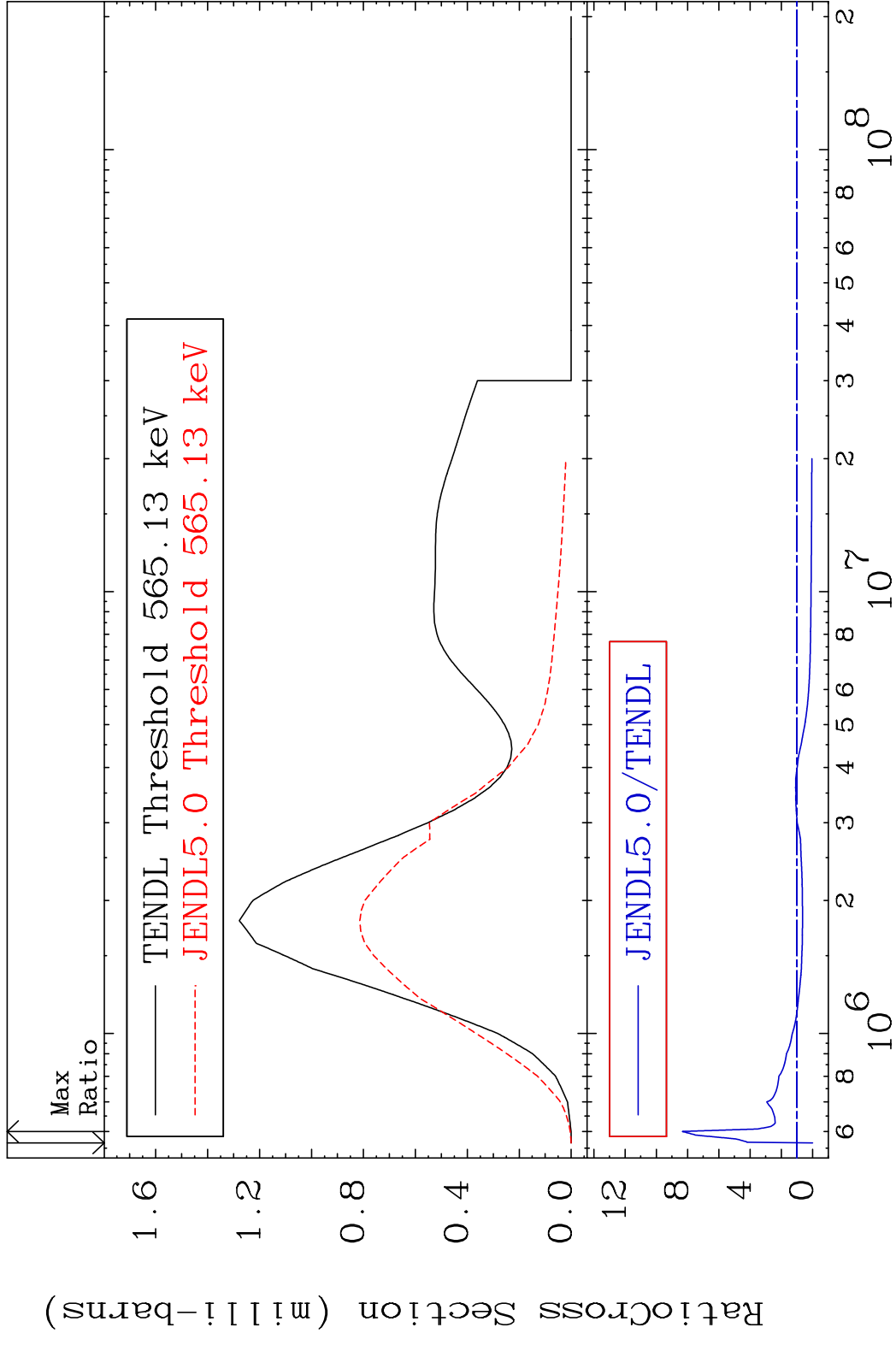
MAT 6152 MT= 72 (n, n') Level 61-Pm-148
 Cross Section -97.86 To 34.81 %



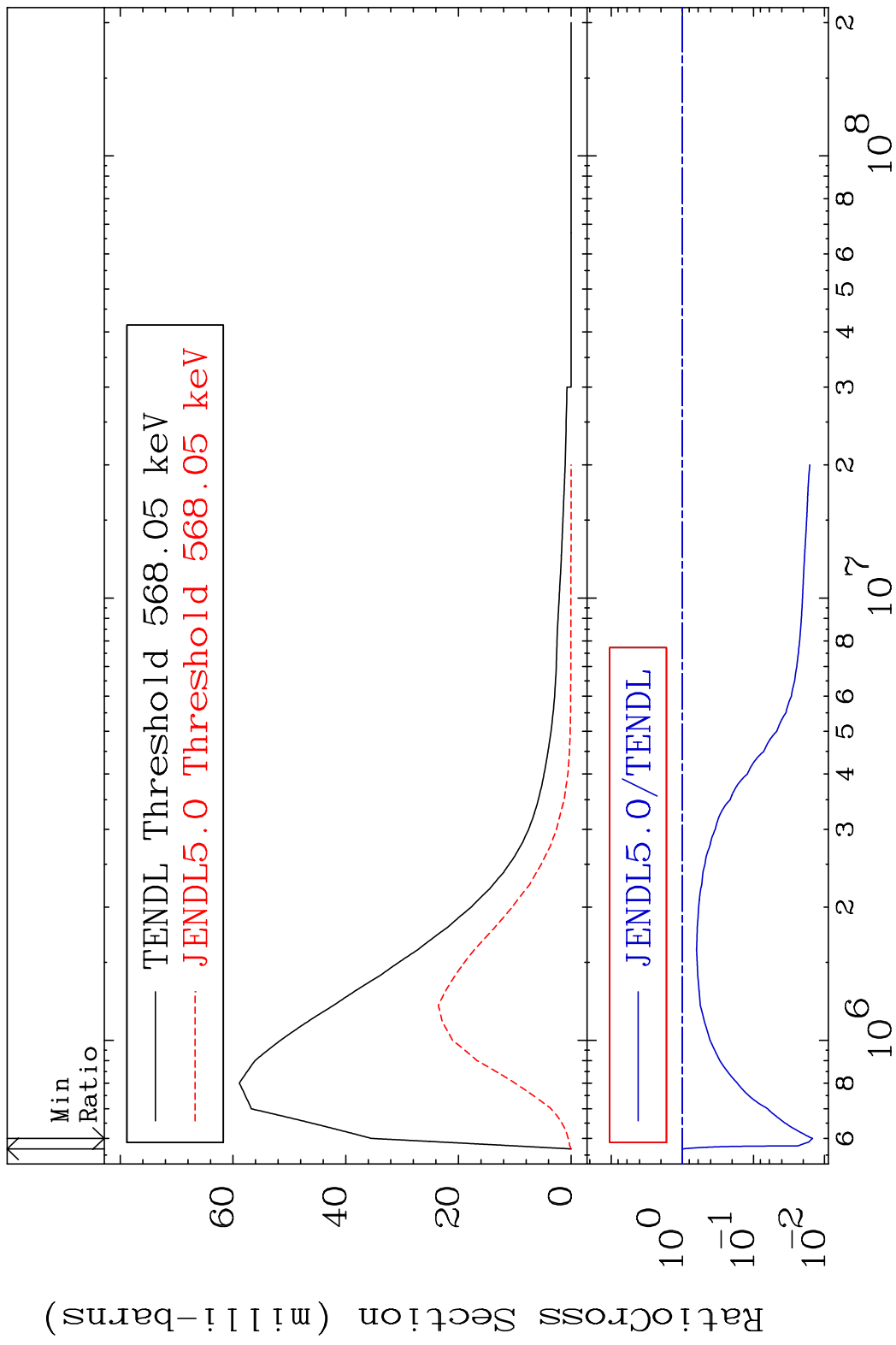
MAT 6152 MT= 73 (n, n') Level 61-Pm-148
 Cross Section -100.0 To 9999. %



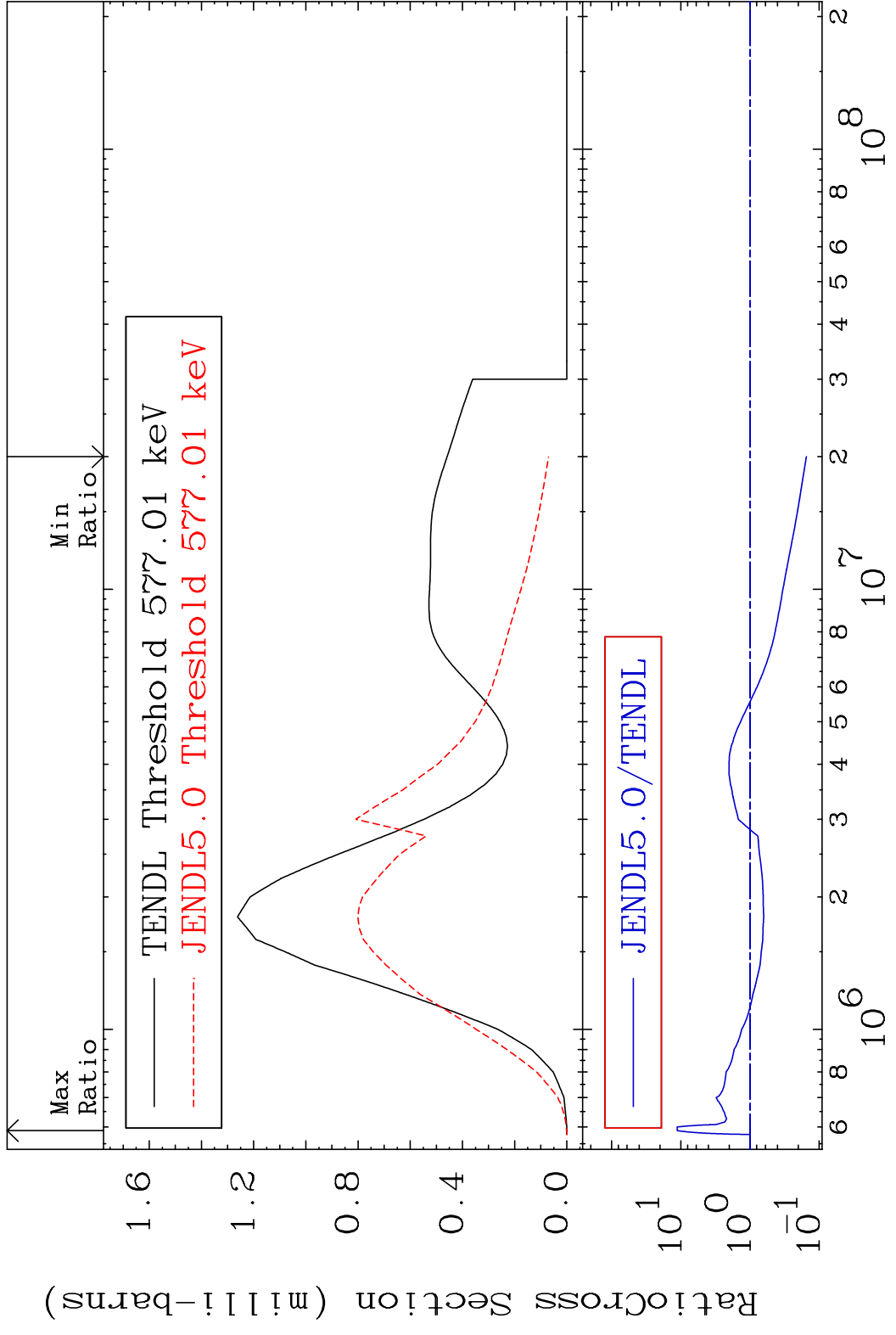
MAT 6152 MT= 74 (n, n') Level 61-Pm-148
 Cross Section -100.0 To 733.5 %



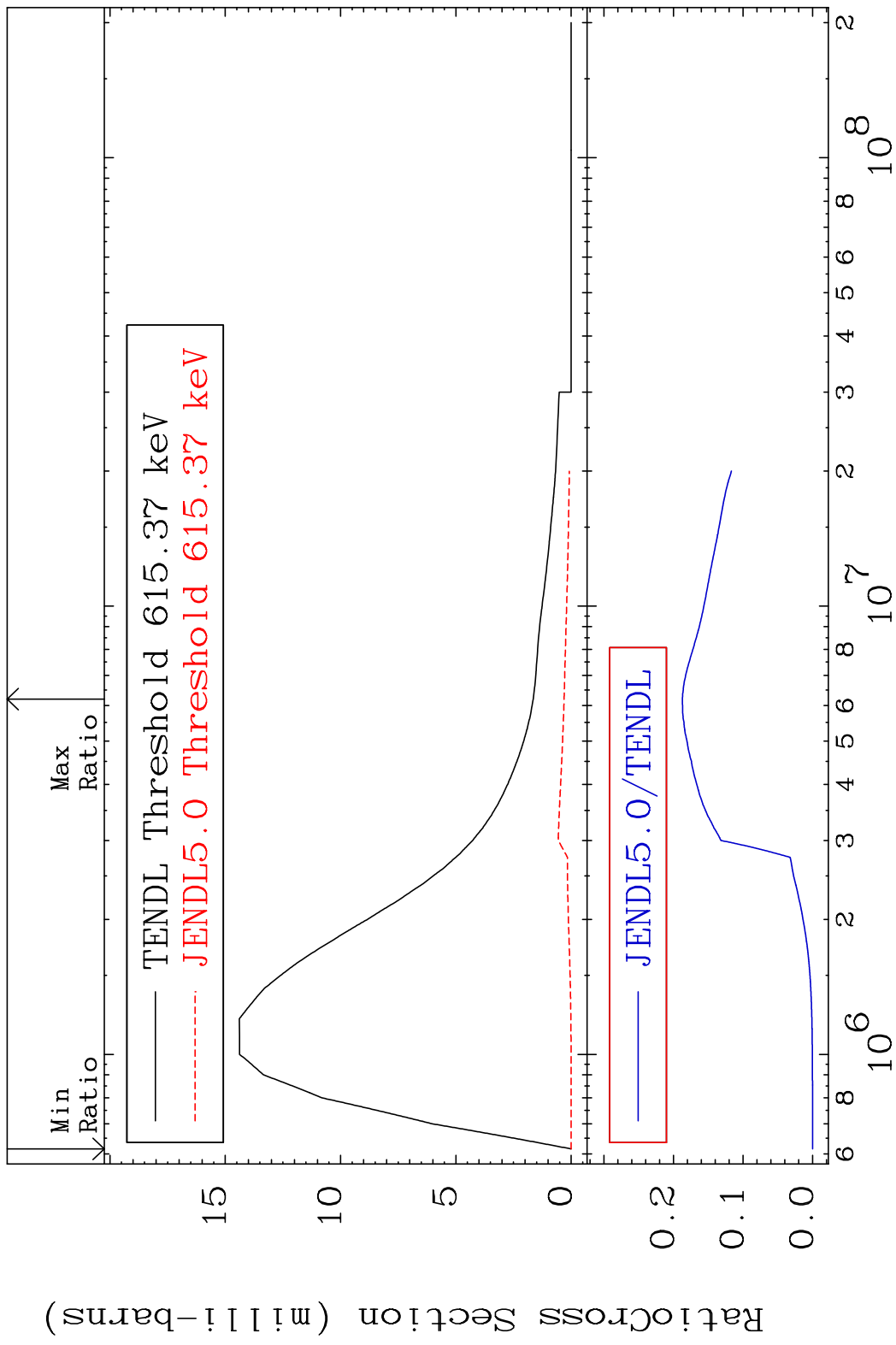
MAT 6152 MT= 75 (n,n') Level 61-Pm-148
 Cross Section -98.53 To 0.000 %



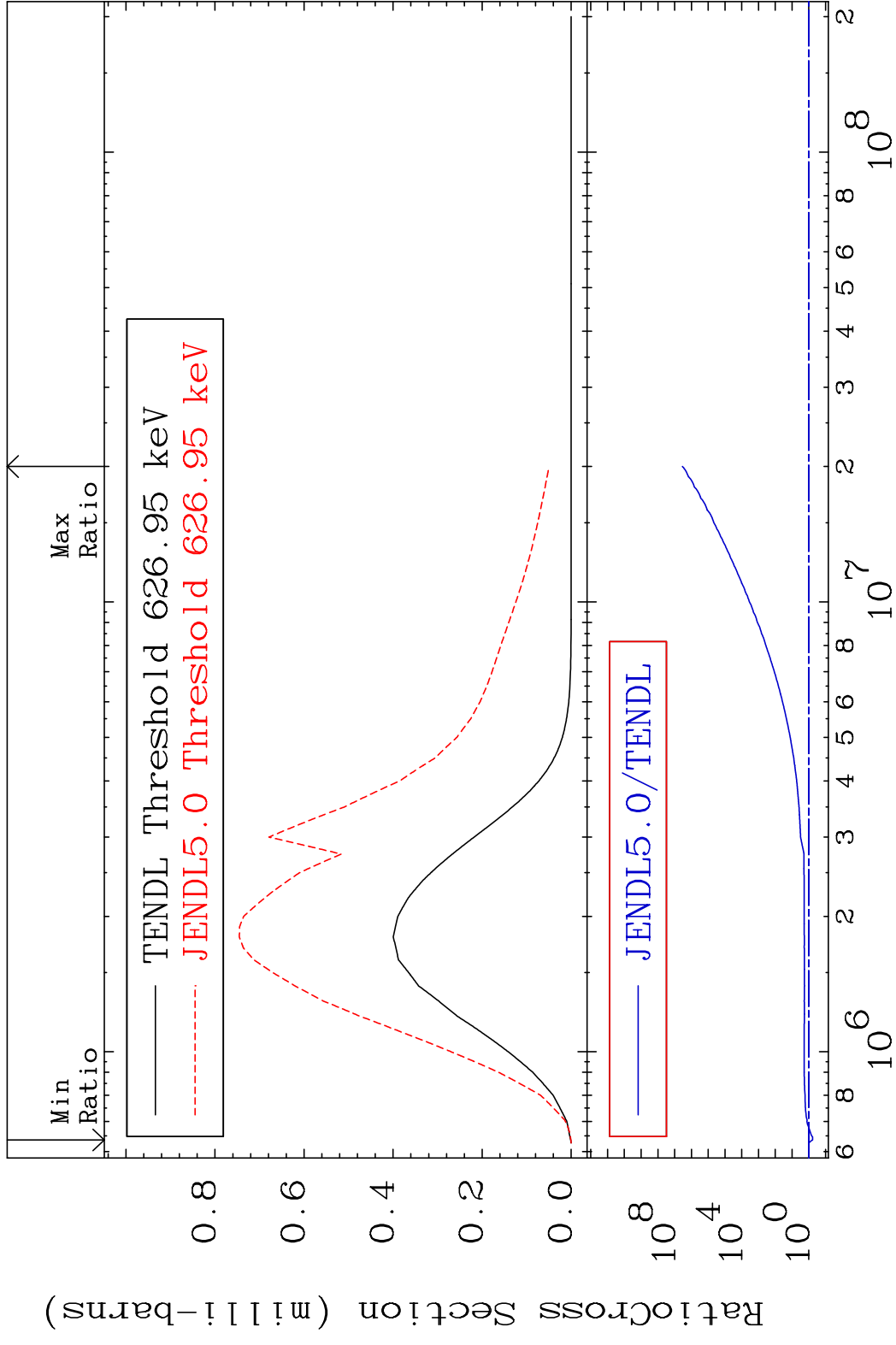
MAT 6152 MT= 76 (n, n') Level 61-Pm-148
 Cross Section -84.68 To 1030. %



MAT 6152 MT= 77 (n, n') Level 61-Pm-148
 Cross Section -100.0 To -81.29%

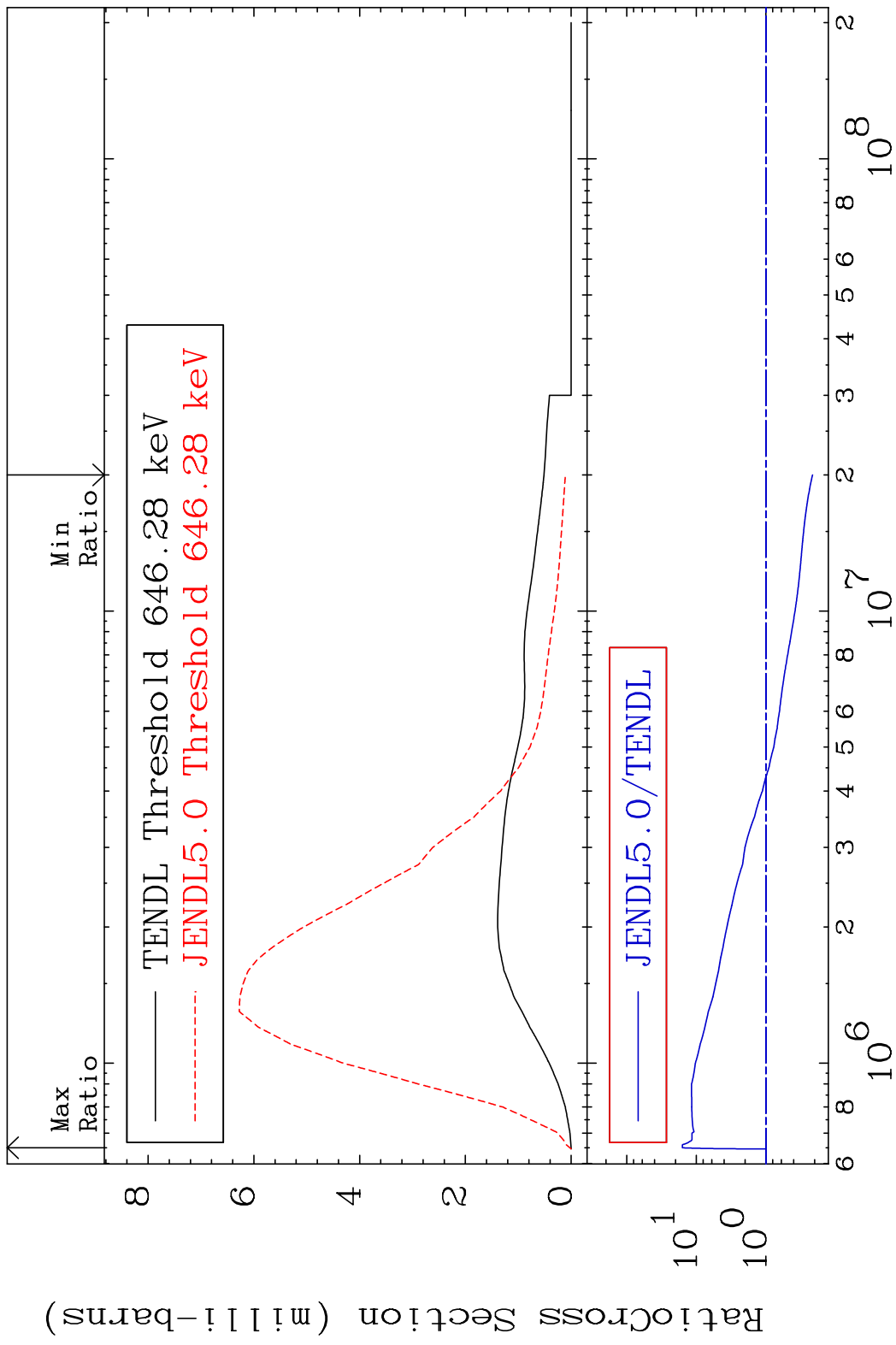


MAT 6152 MT= 78 (n, n') Level 61-Pm-148
 Cross Section -39.98 To 9999. %



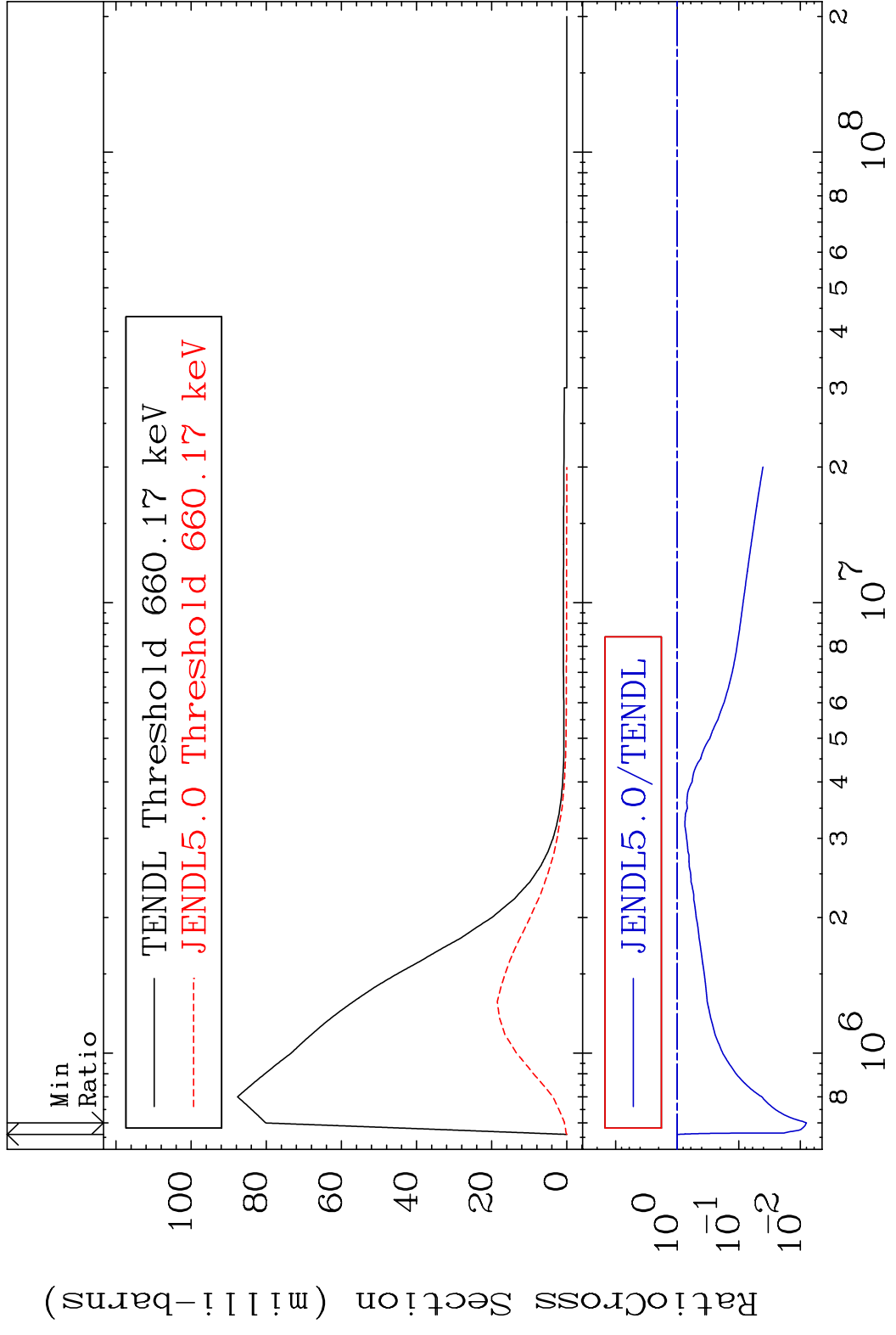
39 Incident Energy (eV) 61-Pm-148

MAT 6152 MT= 79 (n, n') Level 61-Pm-148
 Cross Section -78.60 To 1492. %



40 Incident Energy (eV) 61-Pm-148

MAT 6152 MT= 80 (n,n') Level 61-Pm-148
 Cross Section -99.20 To 0.000 %

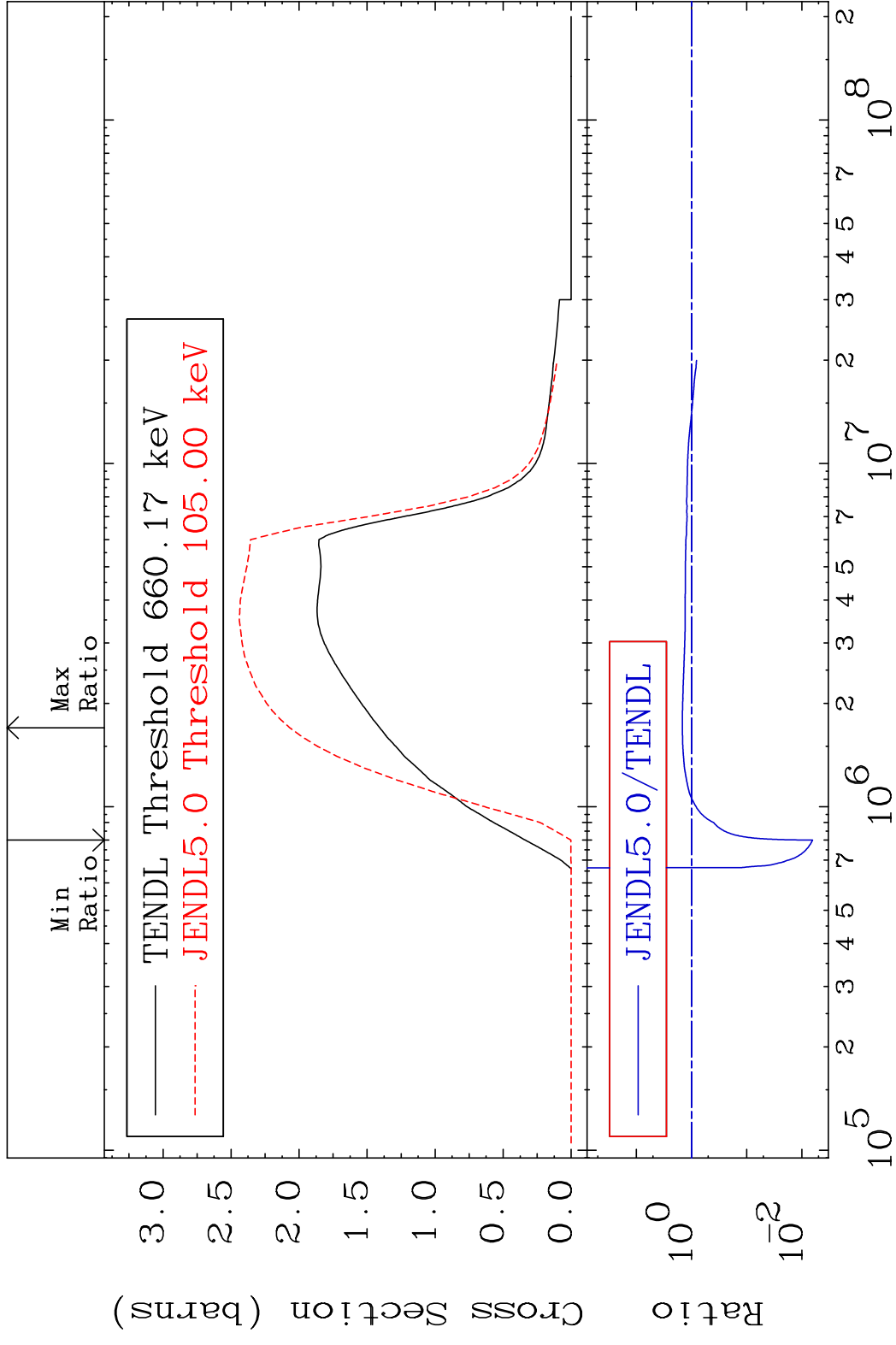


MAT 6152

(n, n') Continuum

61-Pm-148

Cross Section -99.36 To 47.03 %



42

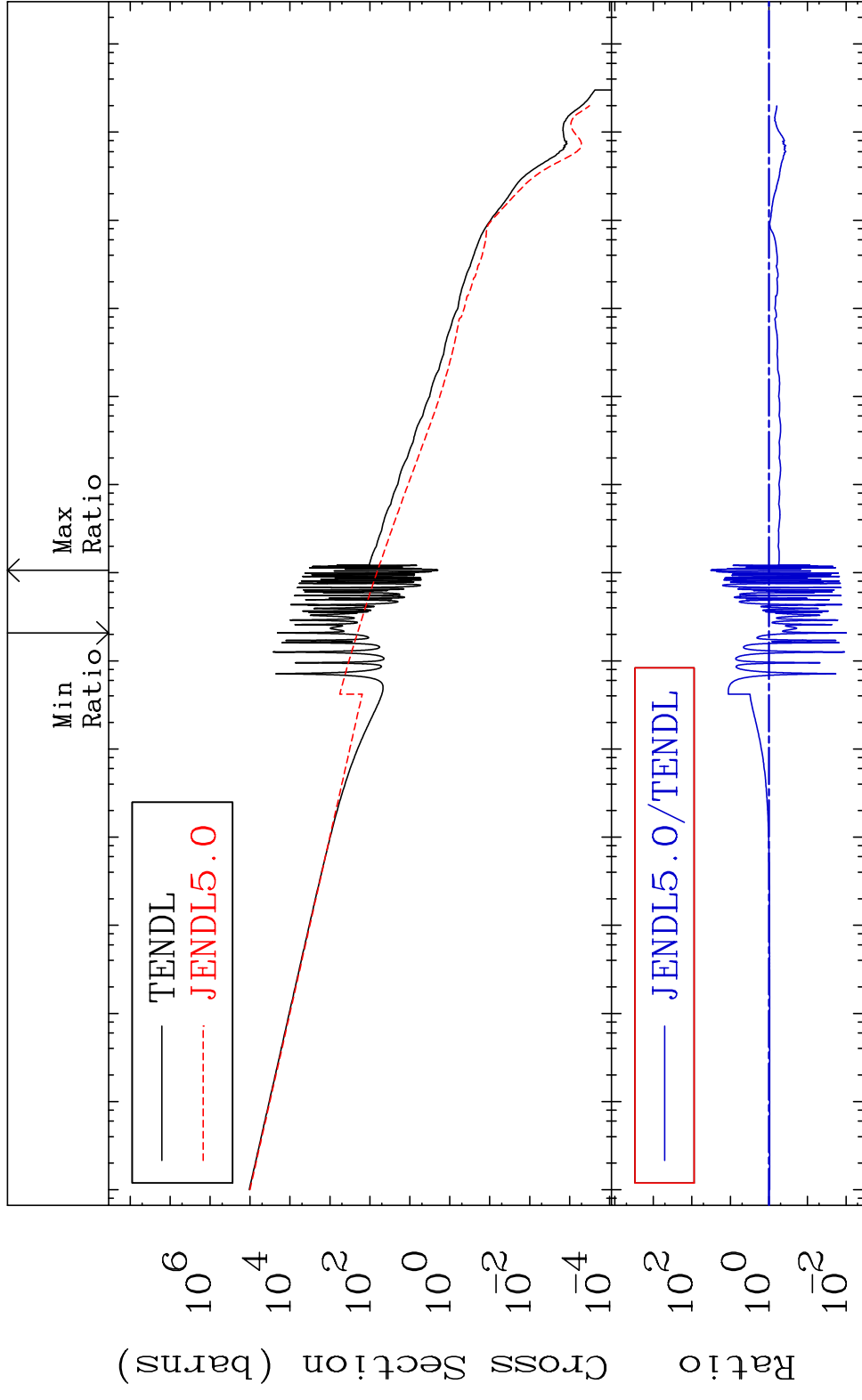
Incident Energy (eV)

61-Pm-148

MAT 6152

(n, γ)
Cross Section -99.02 To 3142. %

61-Pm-148



43

Incident Energy (eV)

61-Pm-148

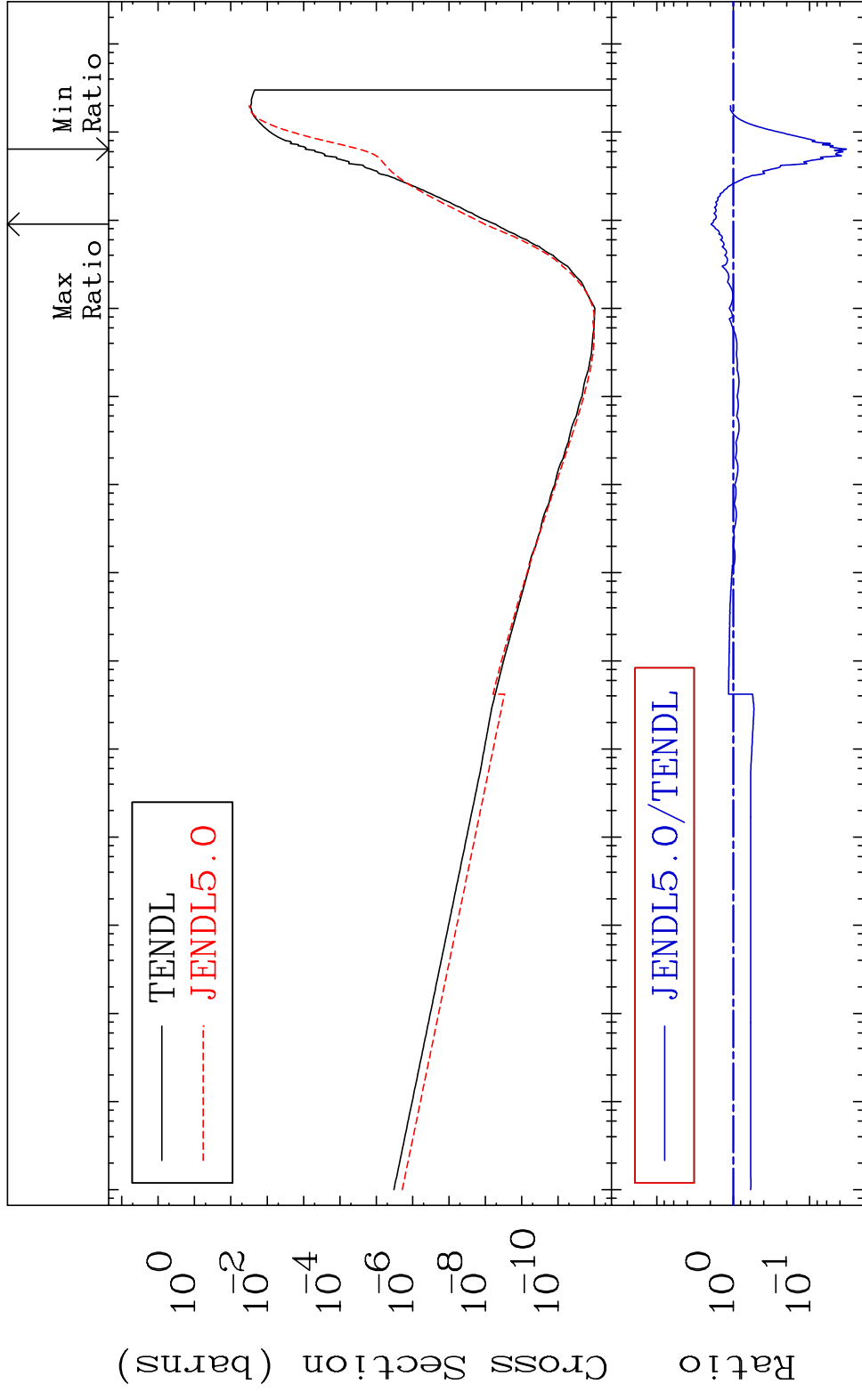
MAT 6152

(n, p)

61-Pm-148

Cross Section

-96.69 To 97.09 %

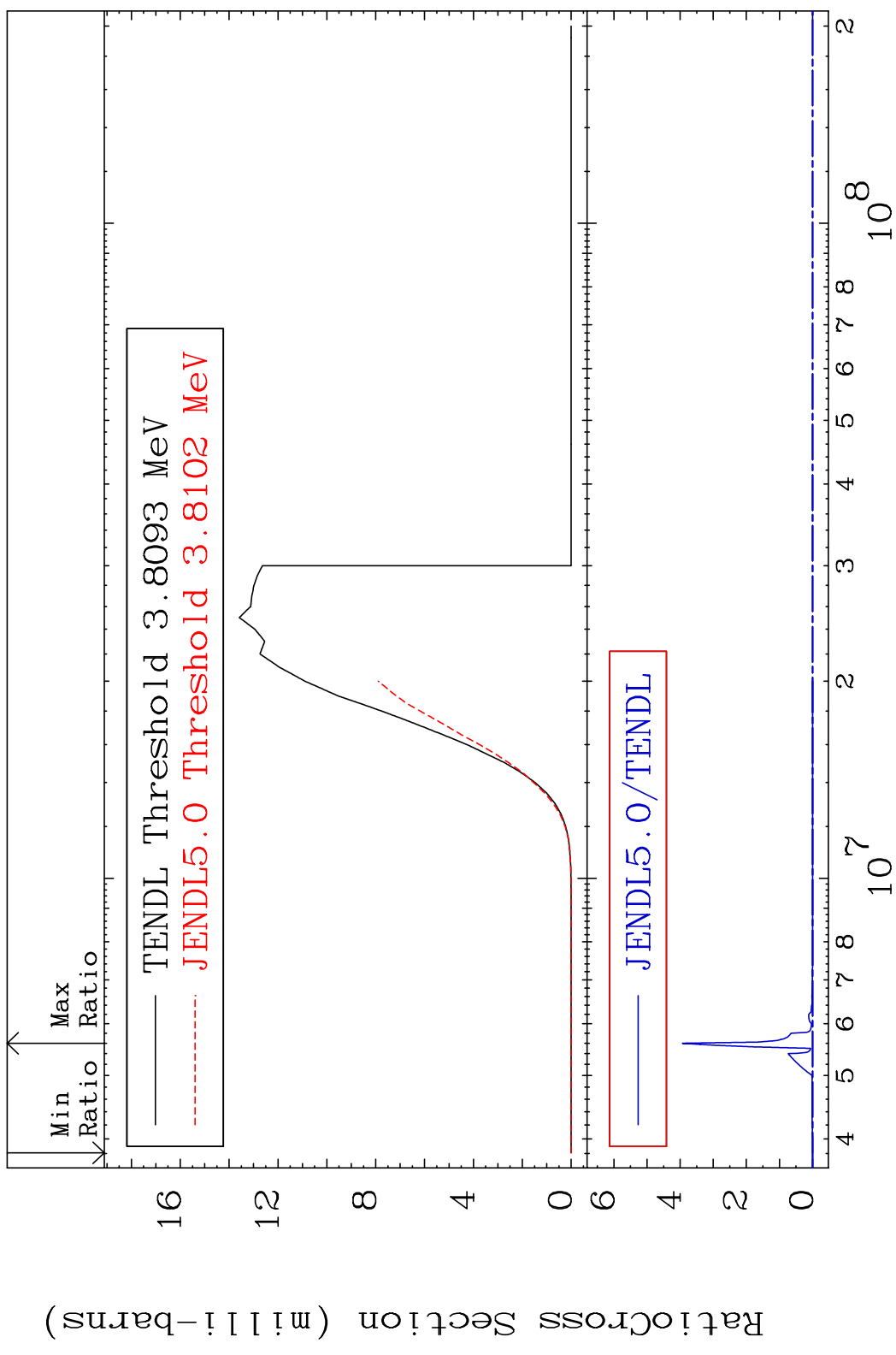


MAT 6152

(n,d)

61-Pm-148

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

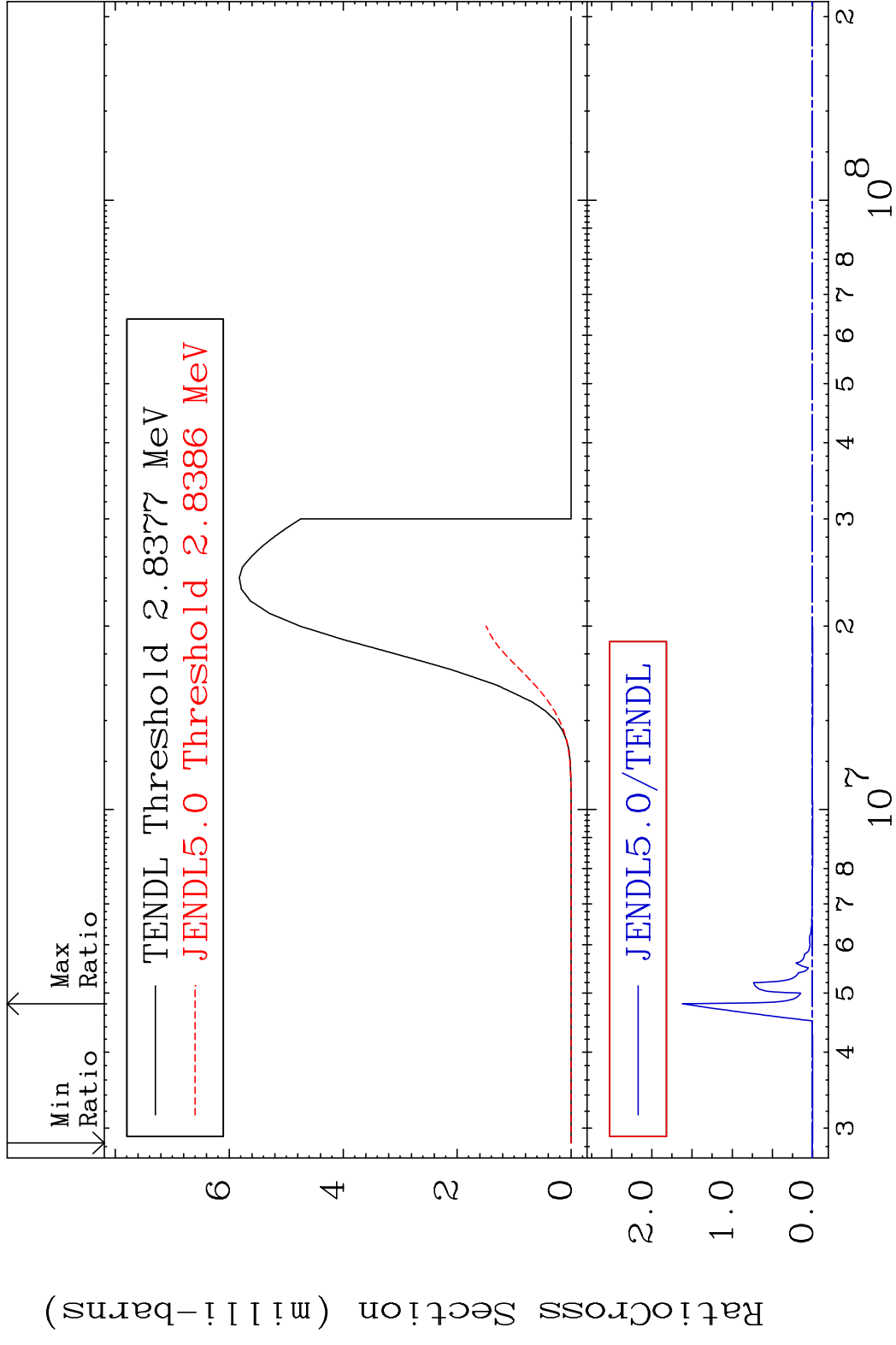
61-Pm-148

MAT 6152

(n, t)

61-Pm-148

Cross Section -100.0 To 9999. %

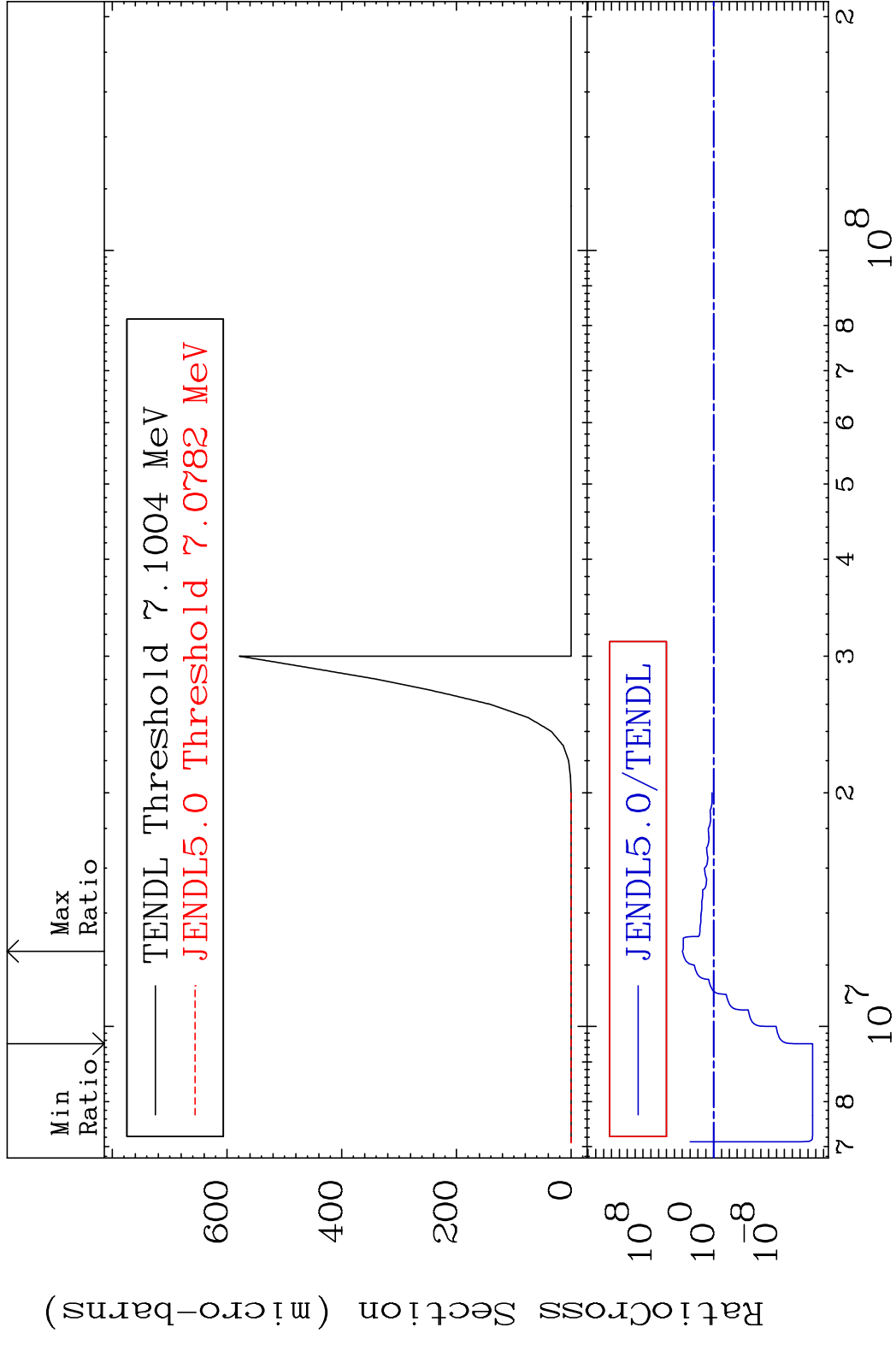


MAT 6152

(n, He-3)

61-Pm-148

Cross Section -100.0 To 9999. %

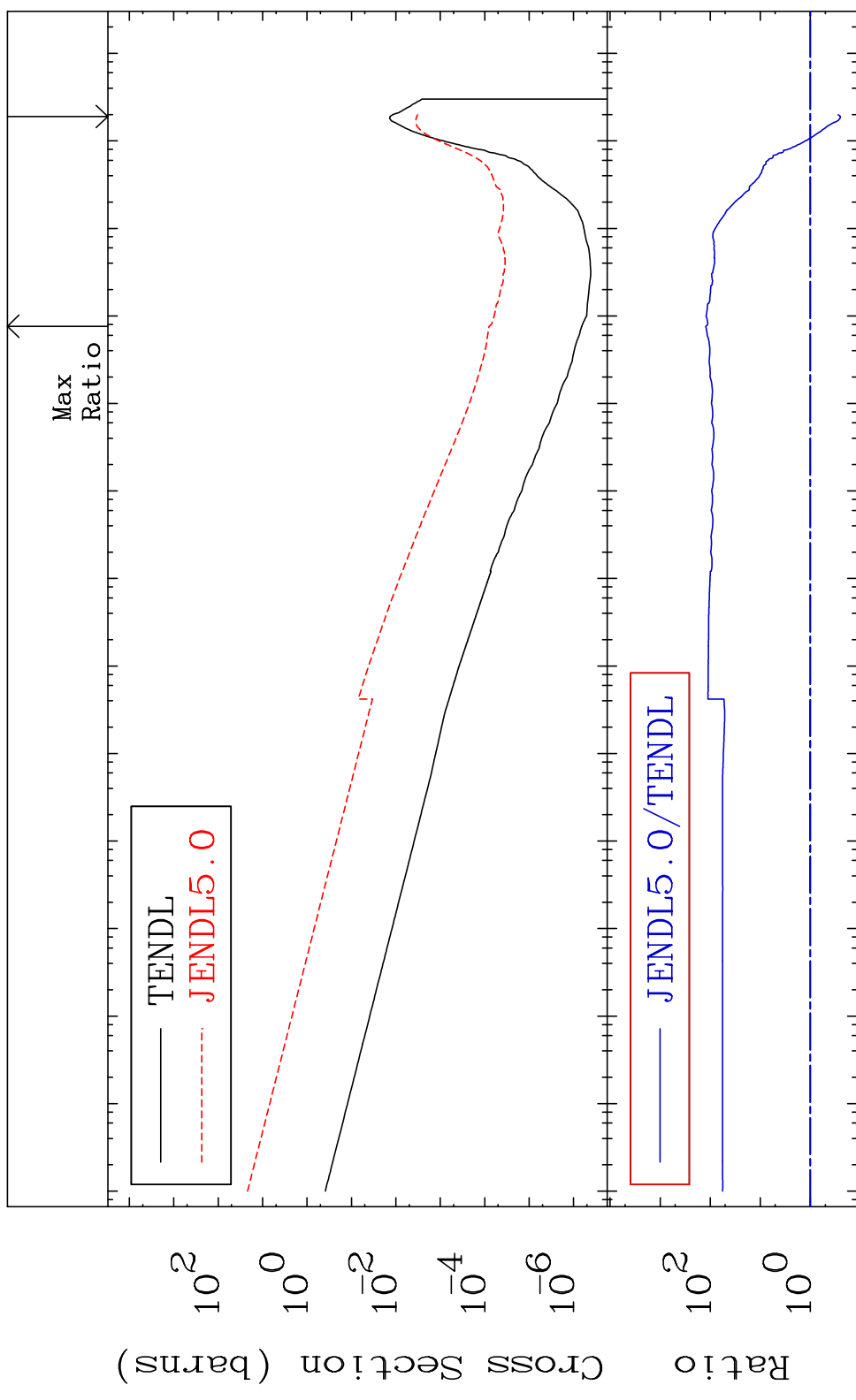


MAT 6152

(n, α)

61-Pm-148

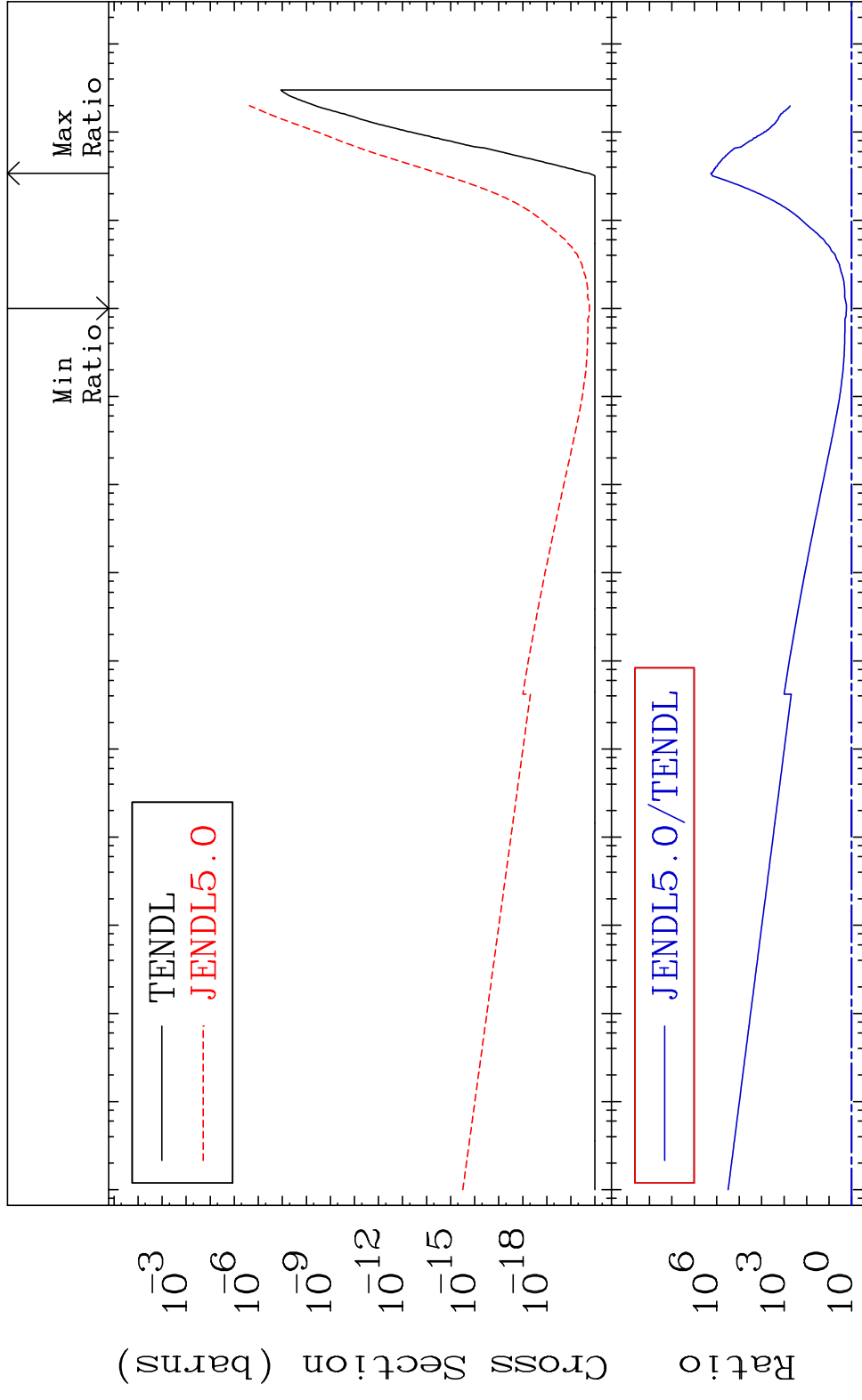
Cross Section -75.12 To 9999. %



MAT 6152

(n, 2α)

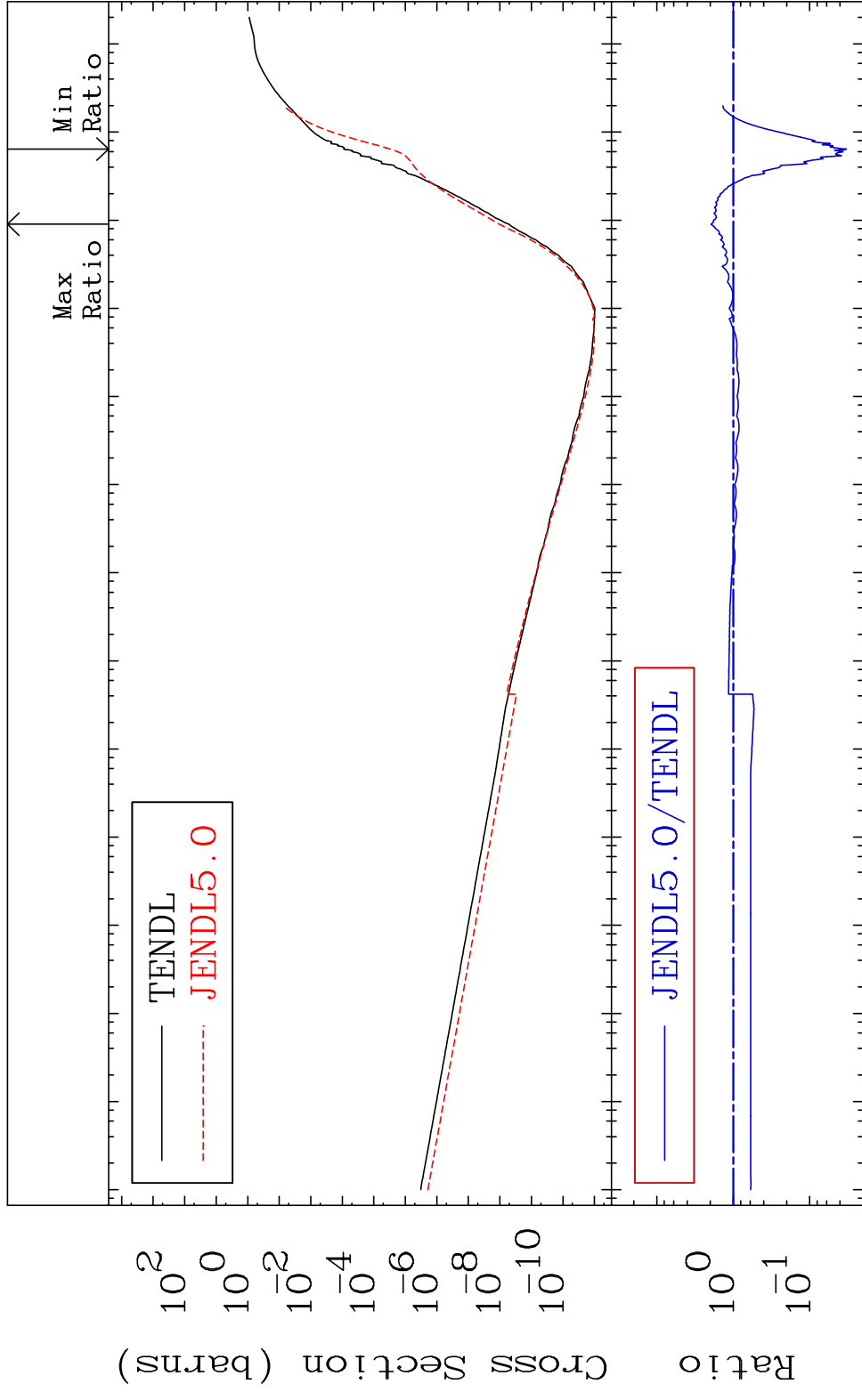
Cross Section 69.96 To 9999. %
61-Pm-148



MAT 6152

Hydrogen Production
Cross Section -96.69 To 97.09 %

61-Pm-148

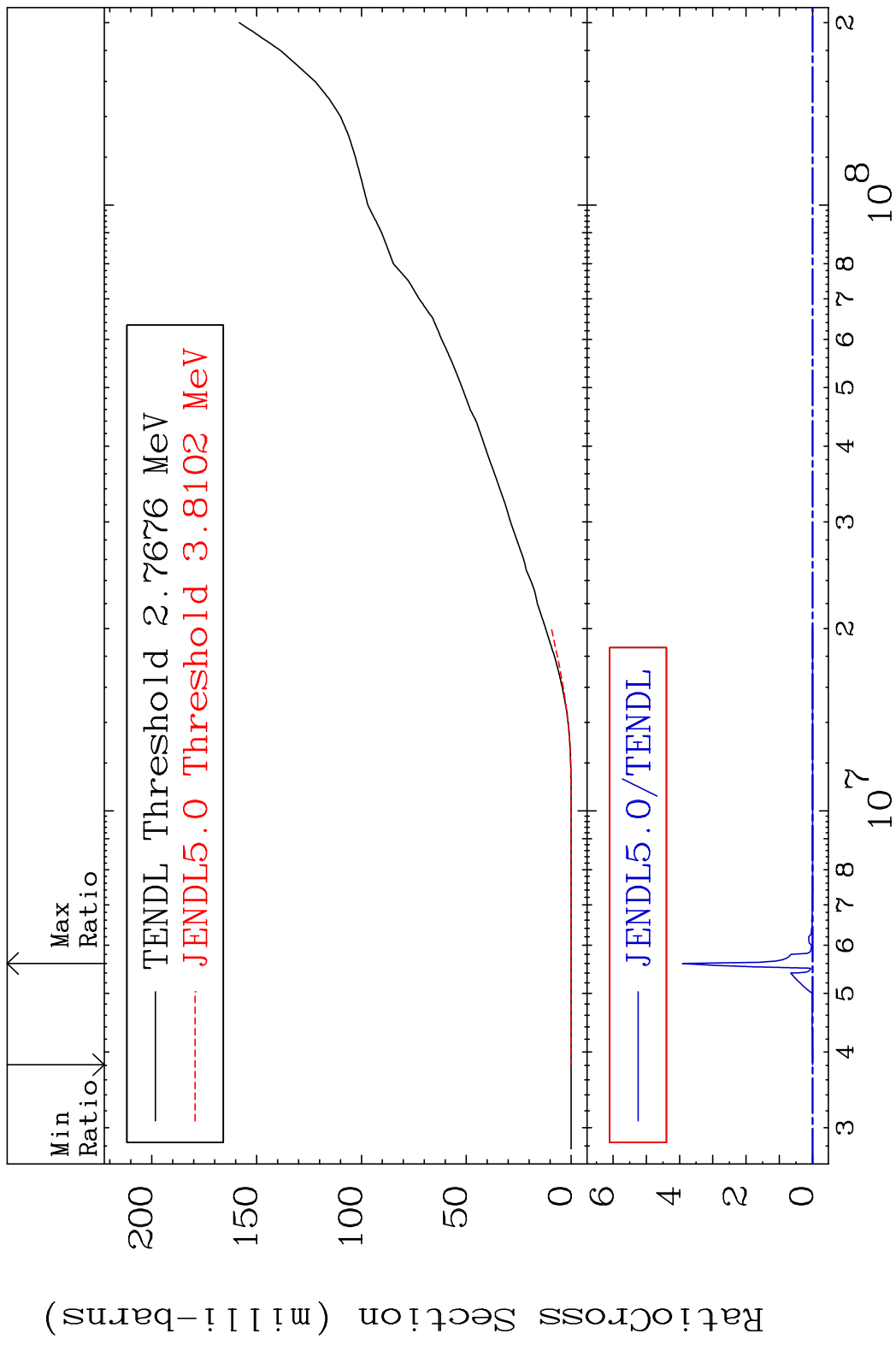


50

Incident Energy (eV)

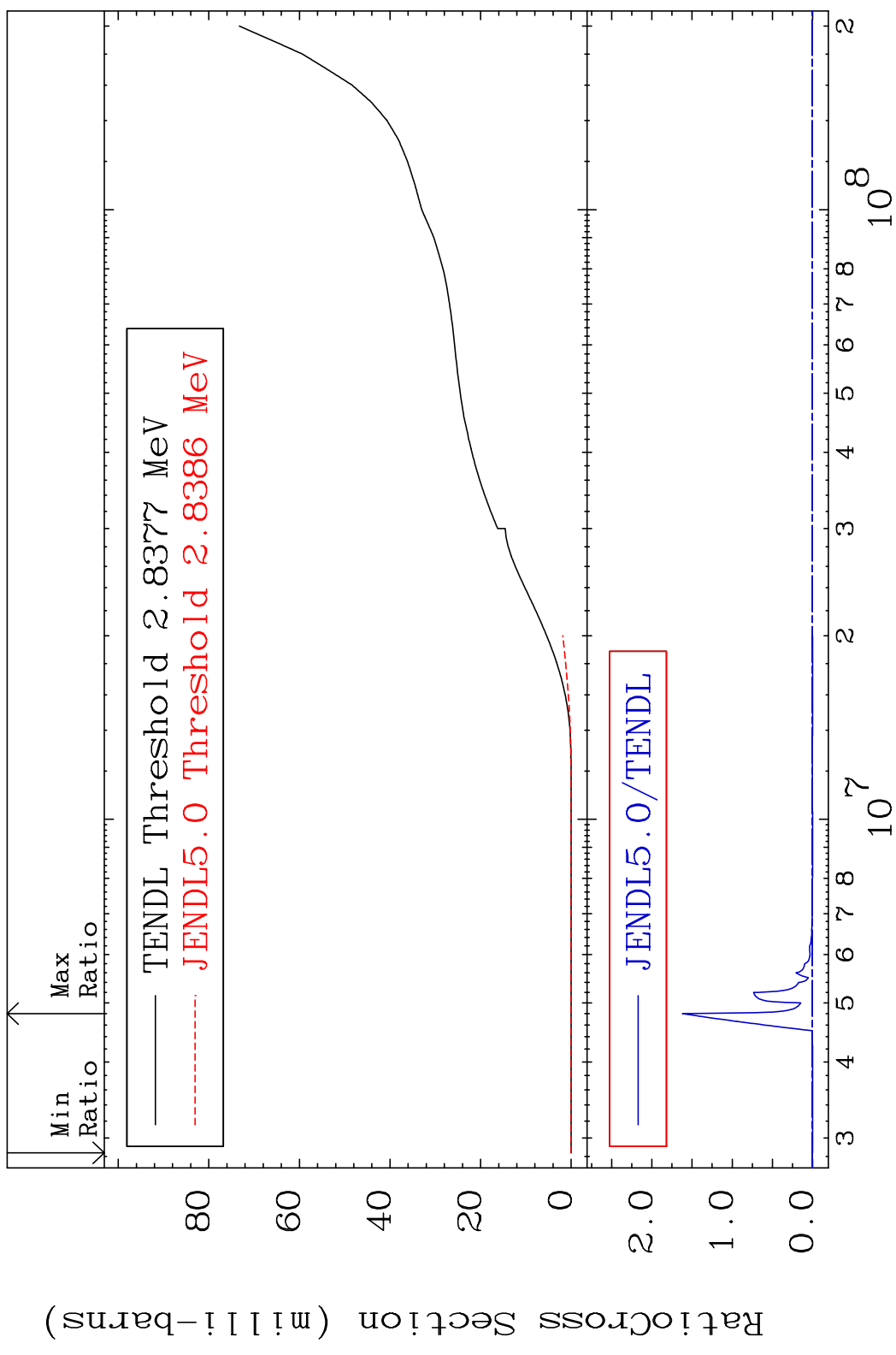
61-Pm-148

MAT 6152 Deuterium Production 61-Pm-148
 Cross Section -100.0 To 9999. %

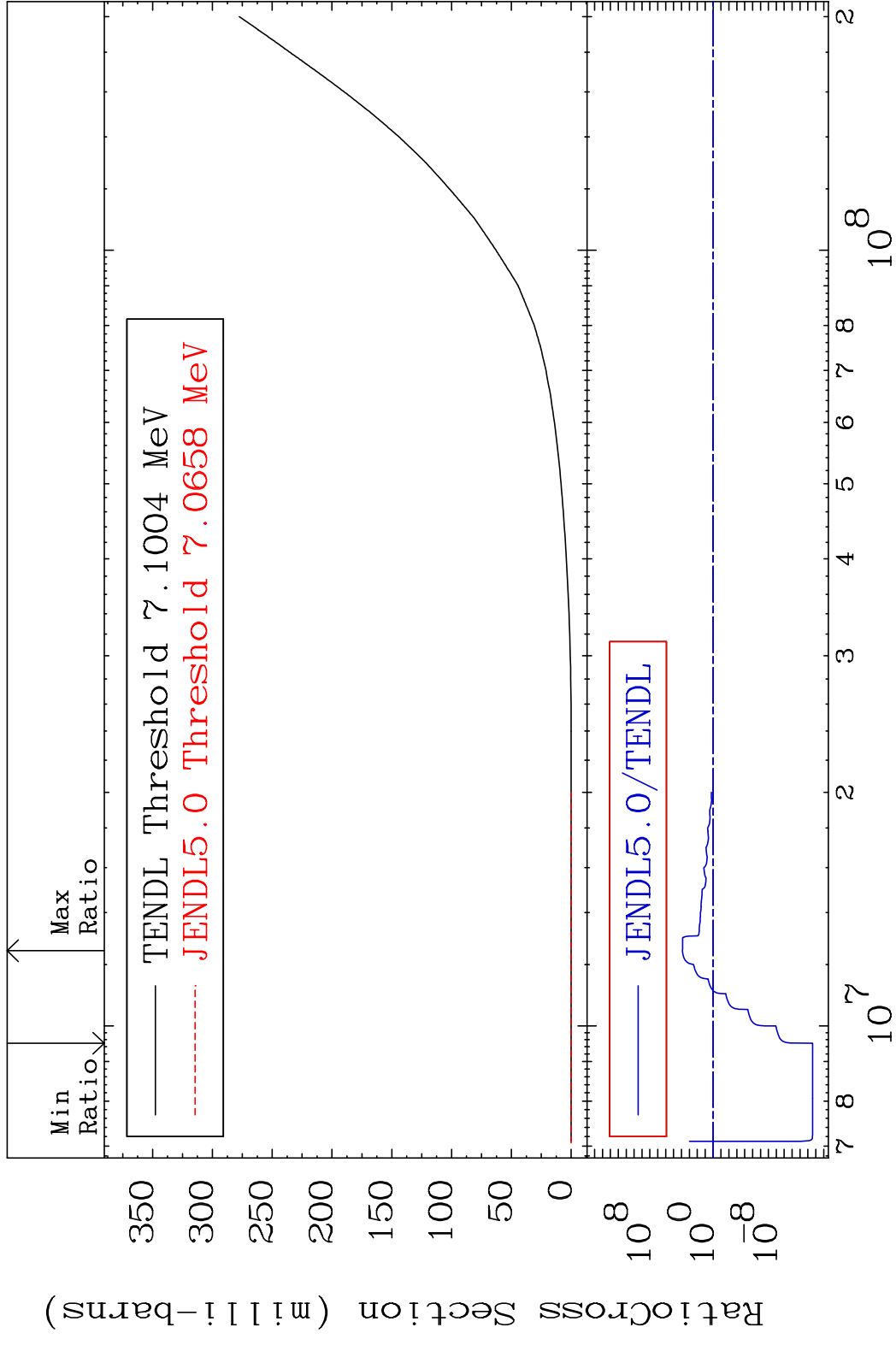


MAT 6152

Tritium Production 61-Pm-148
Cross Section -100.0 To 9999. %



Cross Section -100.0 To 9999. %

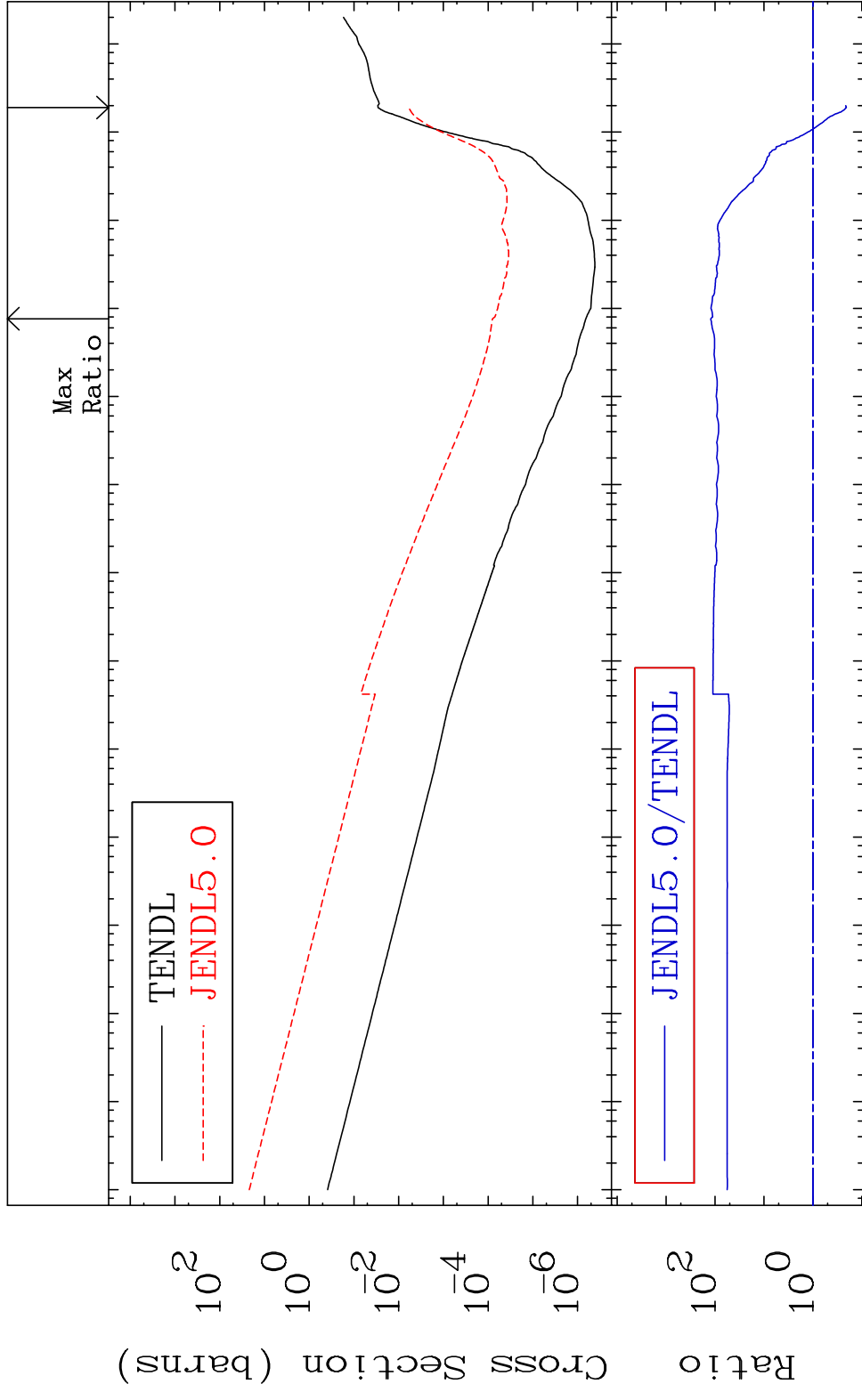


MAT 6152

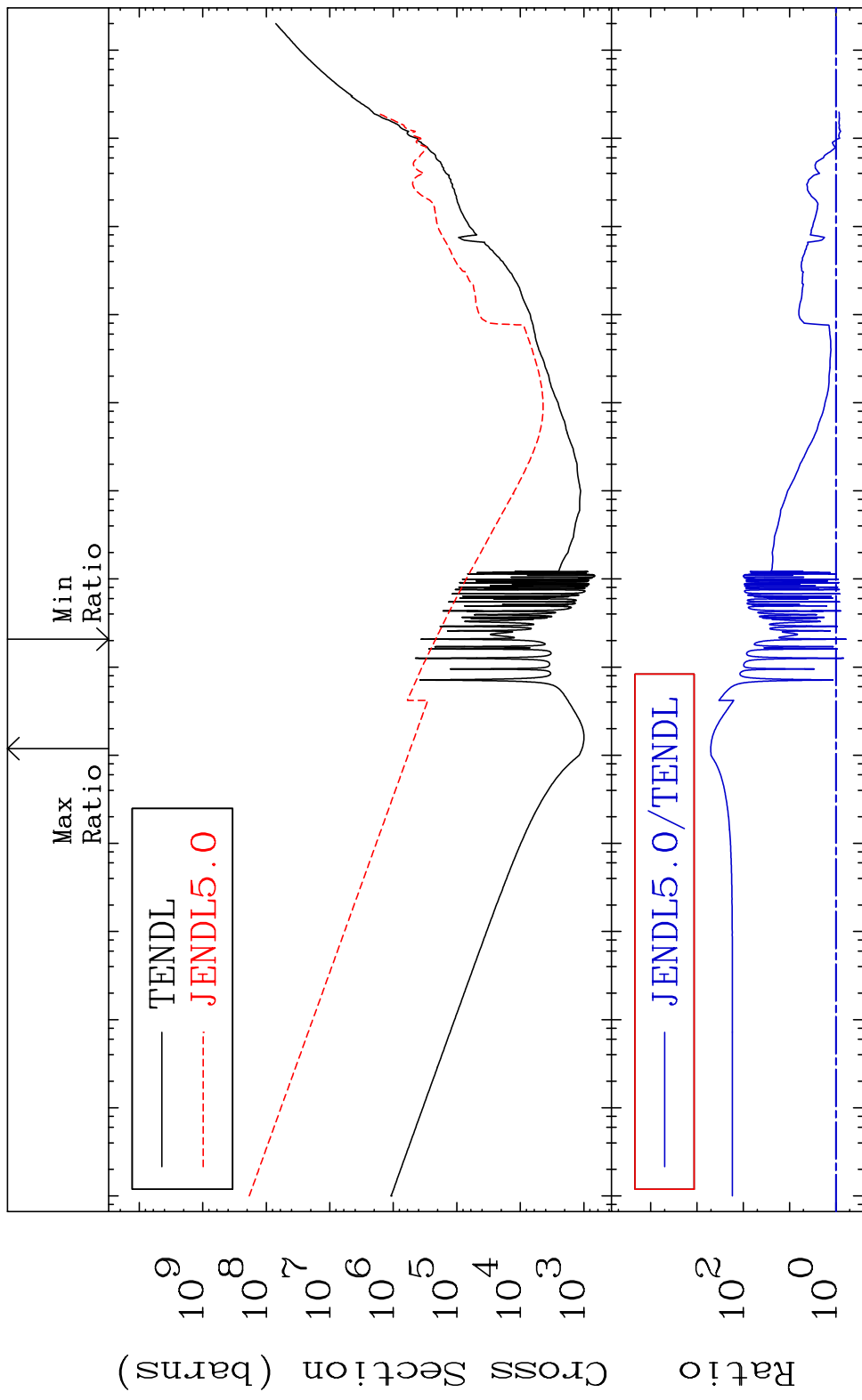
He-4 Production

61-Pm-148

Cross Section -79.19 To 9999. %



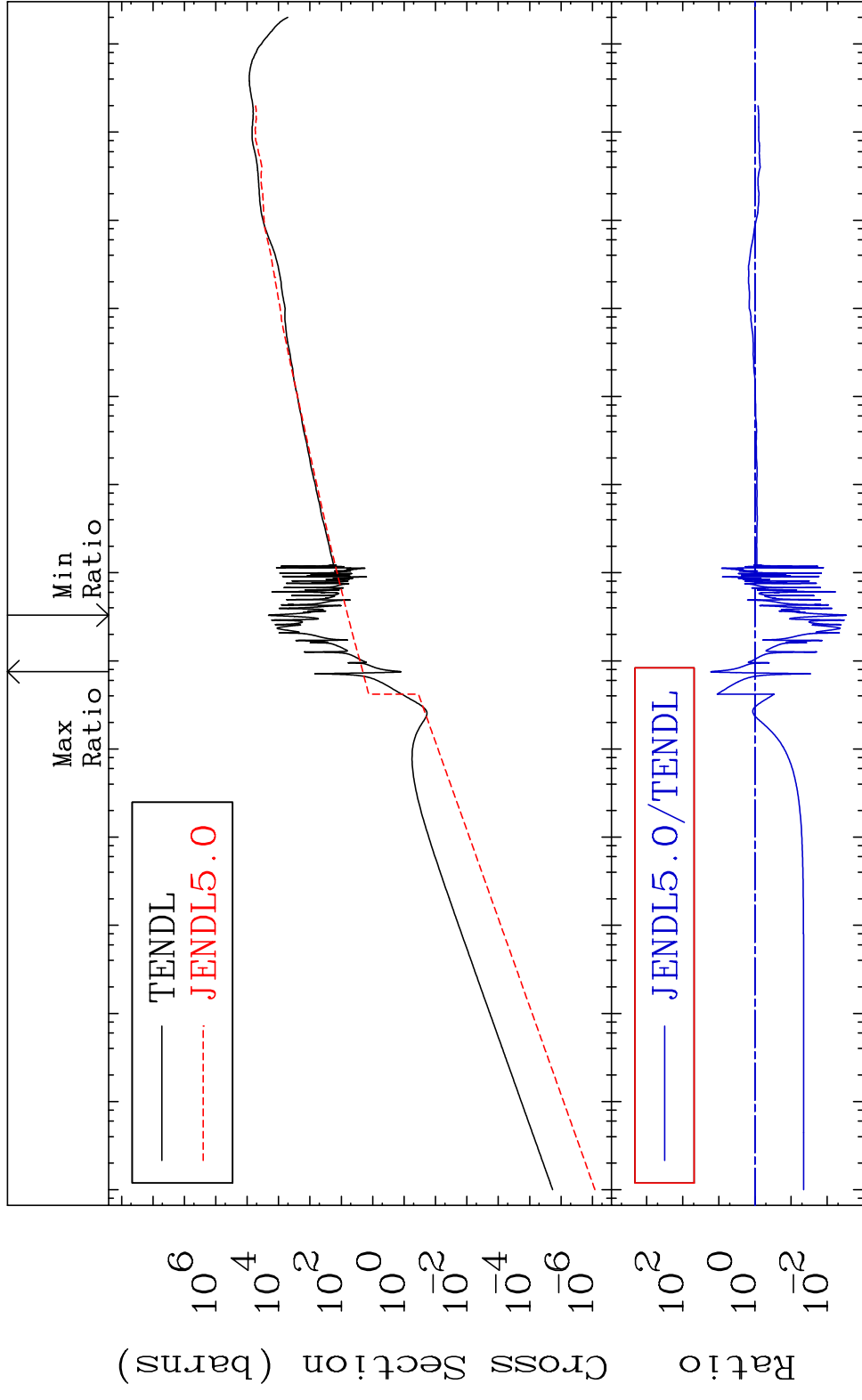
MAT 6152 Kerma total (eV-barns) 61-Pm-148
 Cross Section -40.71 To 9999. %



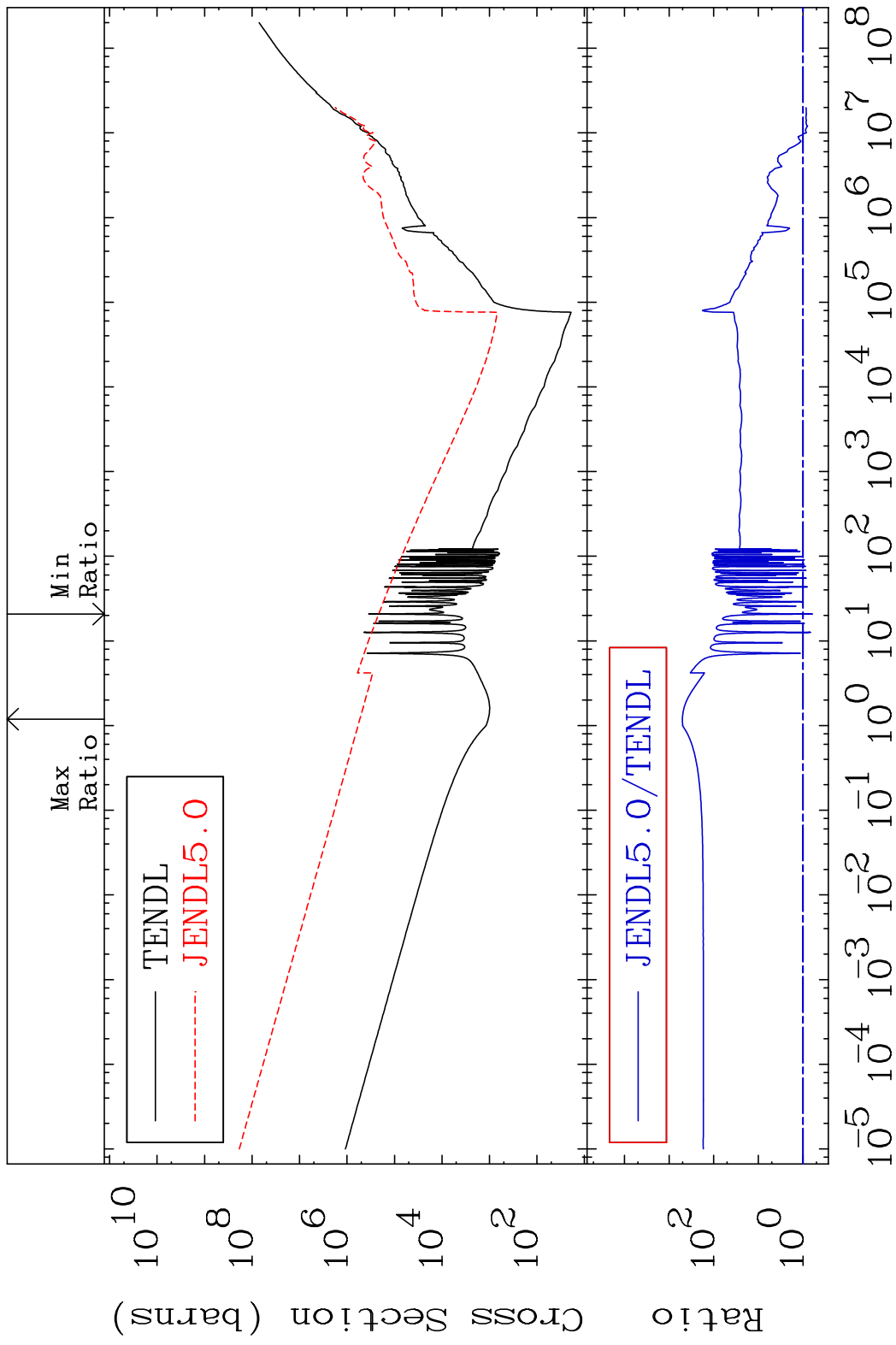
MAT 6152

Kerma elastic
Cross Section

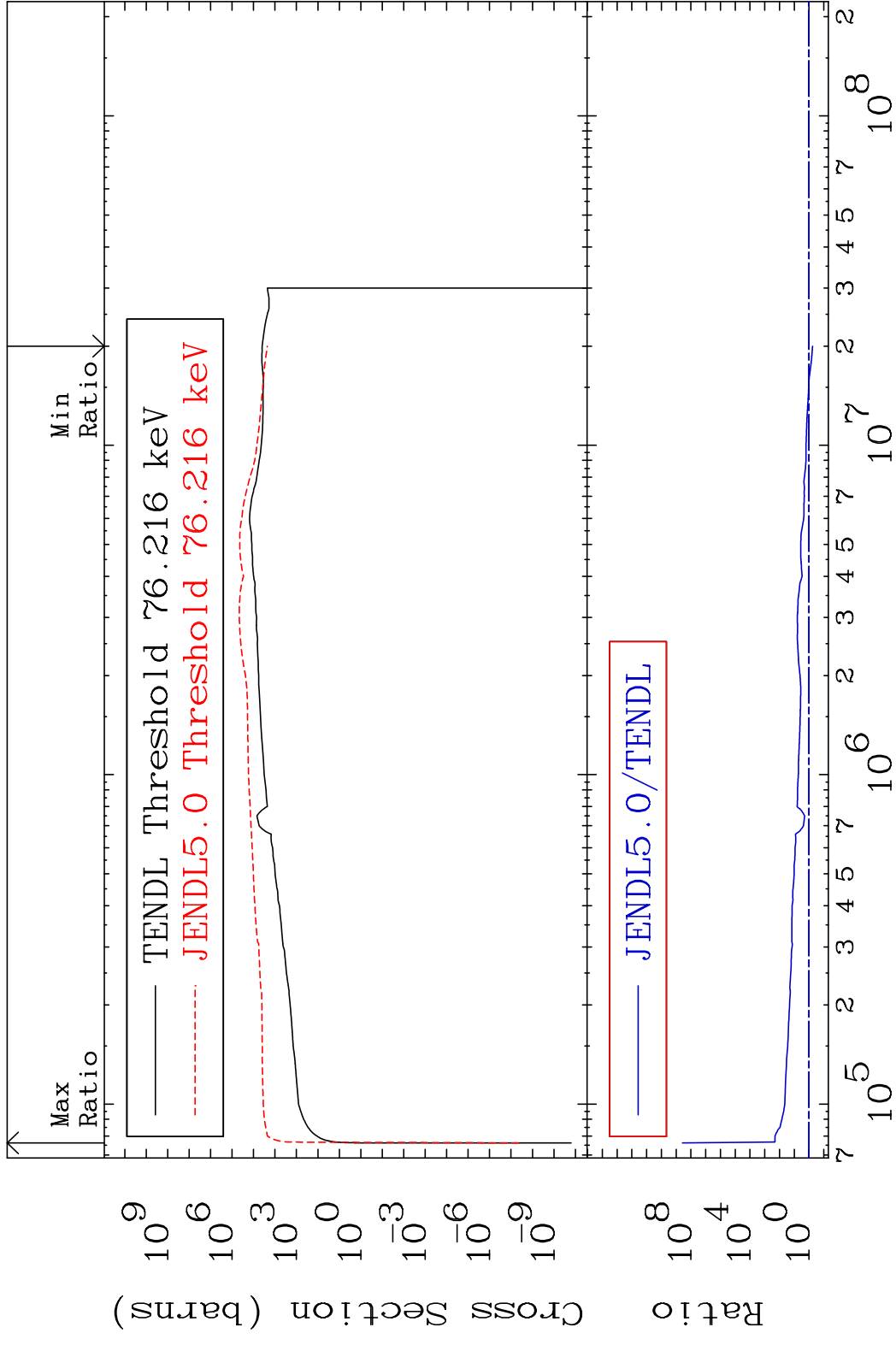
61-Pm-148
-99.70 To 1581. %



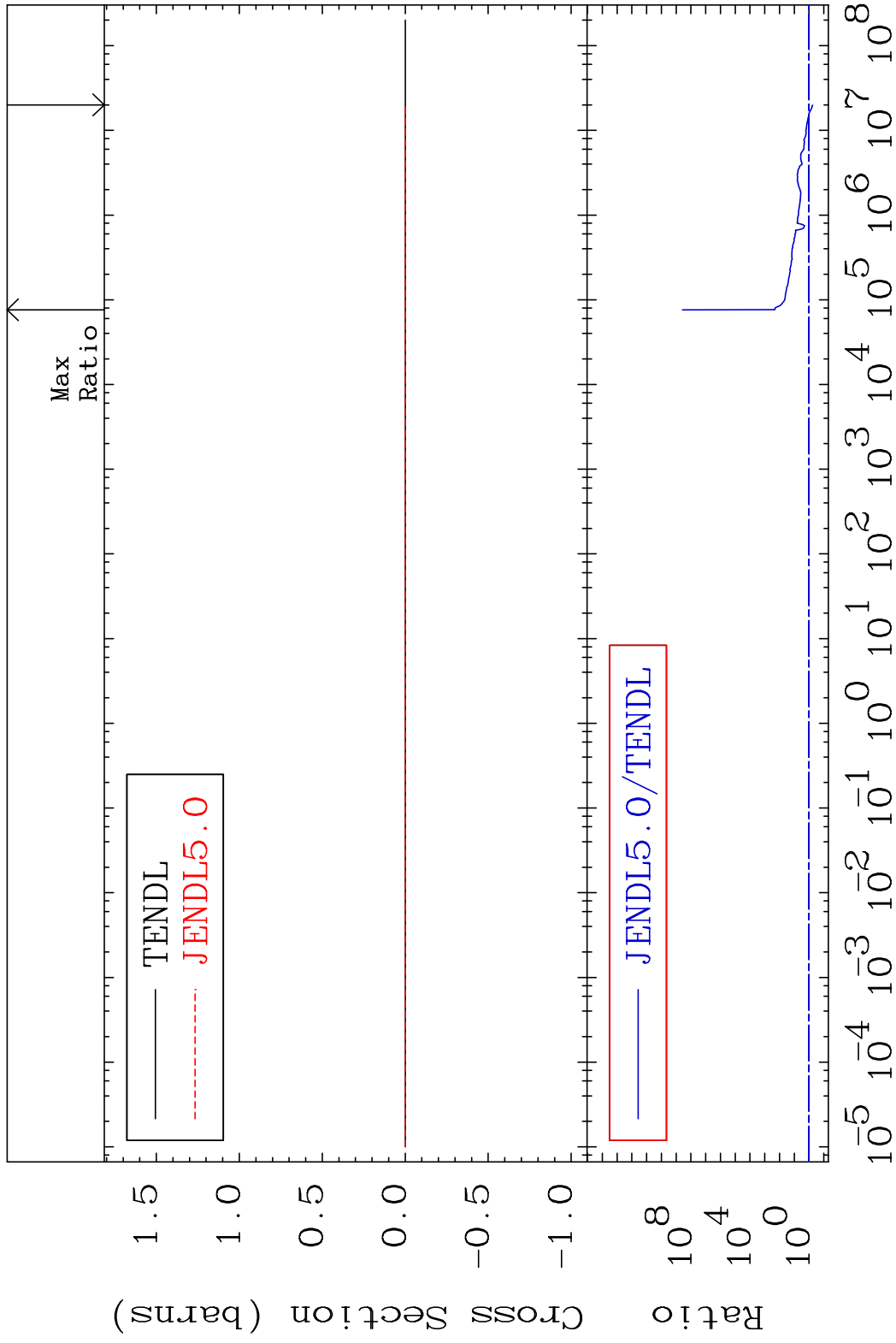
MAT 6152 Kerma non-elastic (all but mt2) 61-Pm-148
 Cross Section -39.08 To 9999. %



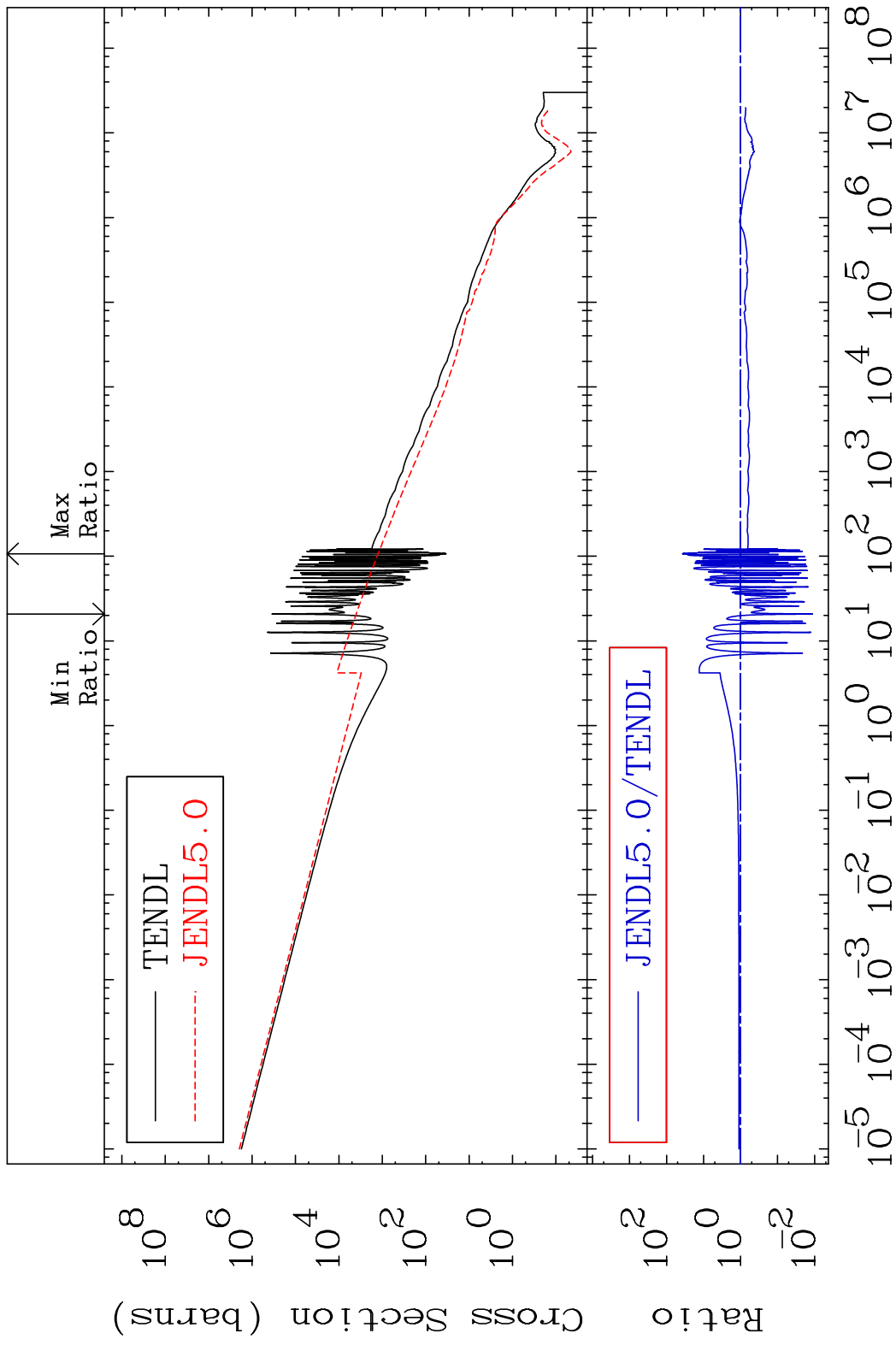
MAT 6152 Kerma inelastic (mt51-91) 61-Pm-148
 Cross Section -41.94 To 9999. %



MAT 6152 Kerma fission (mt18 or mt19-20-21-38) β 1-Pm-148
 Cross Section -41.94 To 9999. %

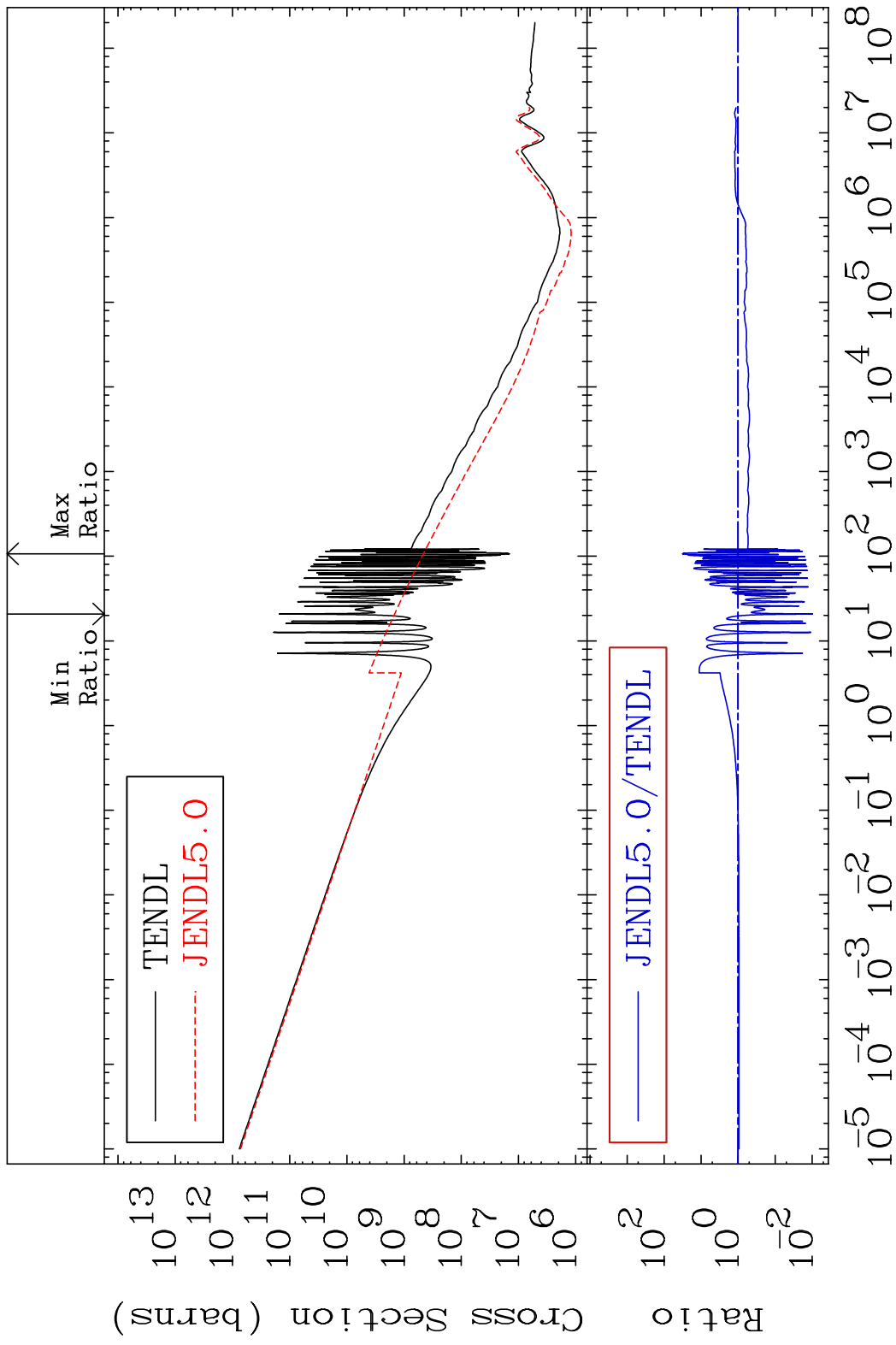


MAT 6152 Kerma capture (mt102) 61-Pm-148
 Cross Section -98.86 To 3645. %



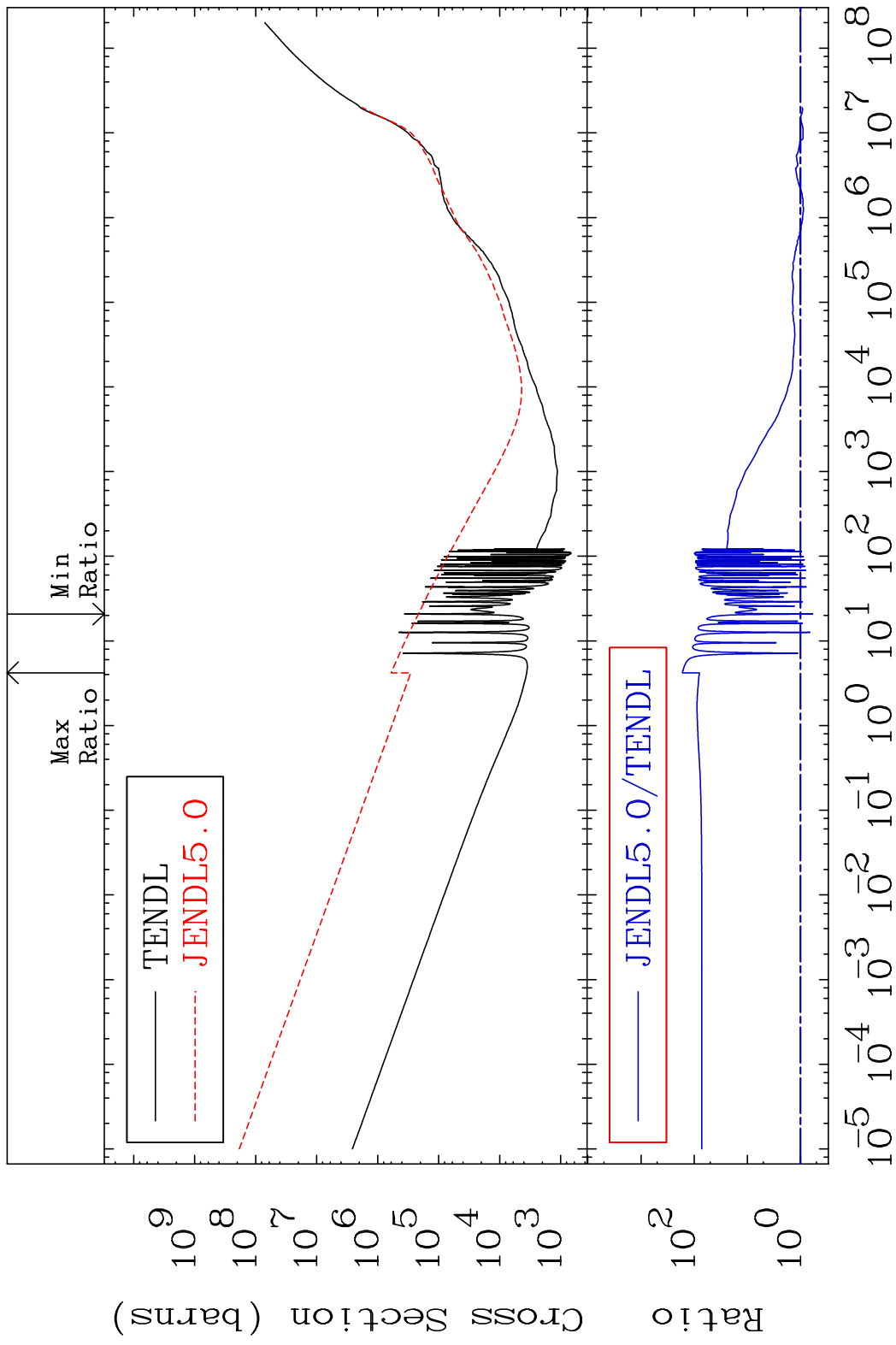
60 Incident Energy (eV) 61-Pm-148

MAT 6152 Total photon (eV-barns) 61-Pm-148
 Cross Section -99.02 To 3113. %

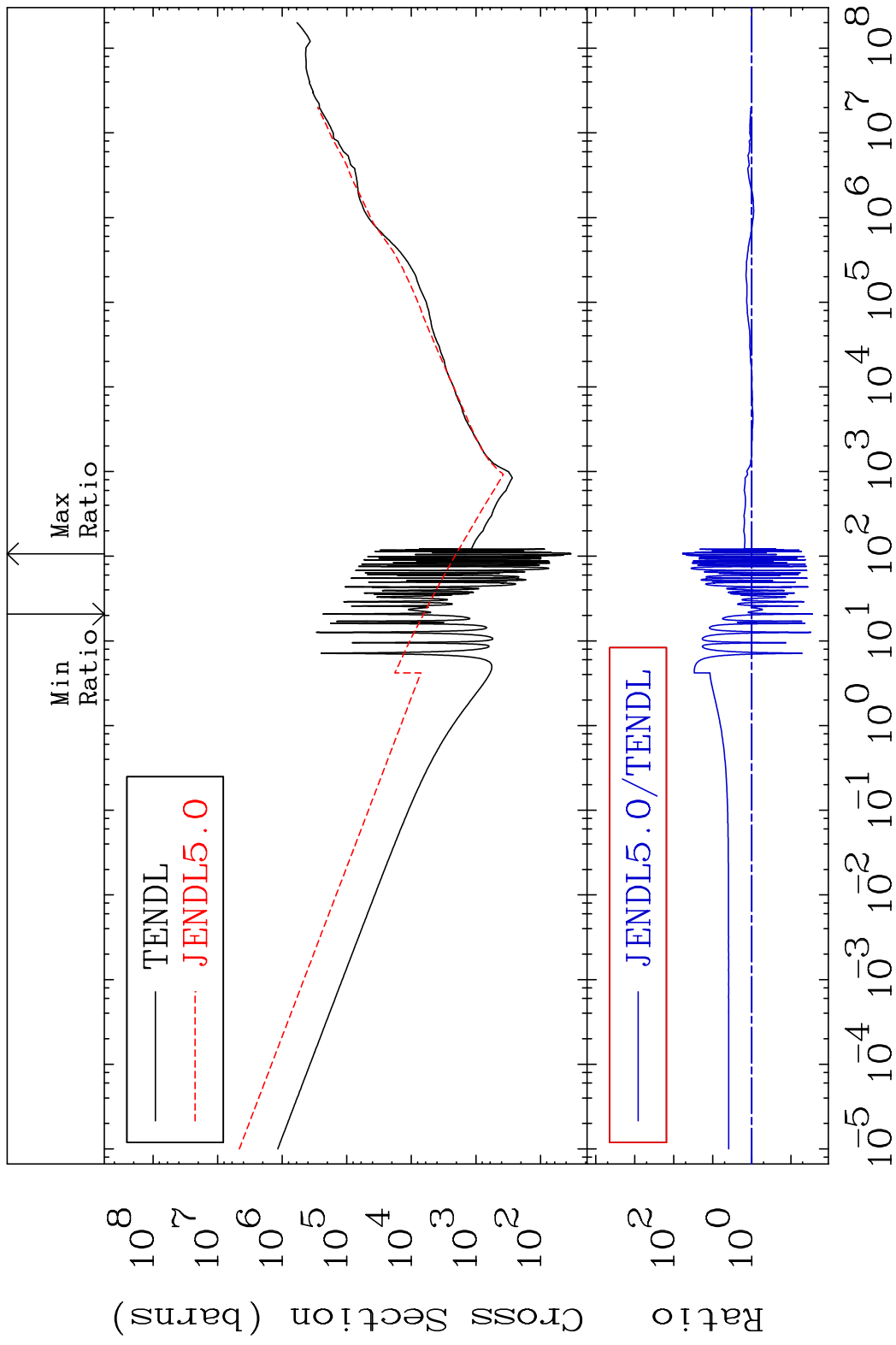


61 Incident Energy (eV) 61-Pm-148

MAT 6152 Total kinematic kerma (high limit) 61-Pm-148
 Cross Section -40.71 To 9999. %



MAT 6152 Dpa total (eV-barns) 61-Pm-148
 Cross Section -97.22 To 5929. %



63 Incident Energy (eV) 61-Pm-148

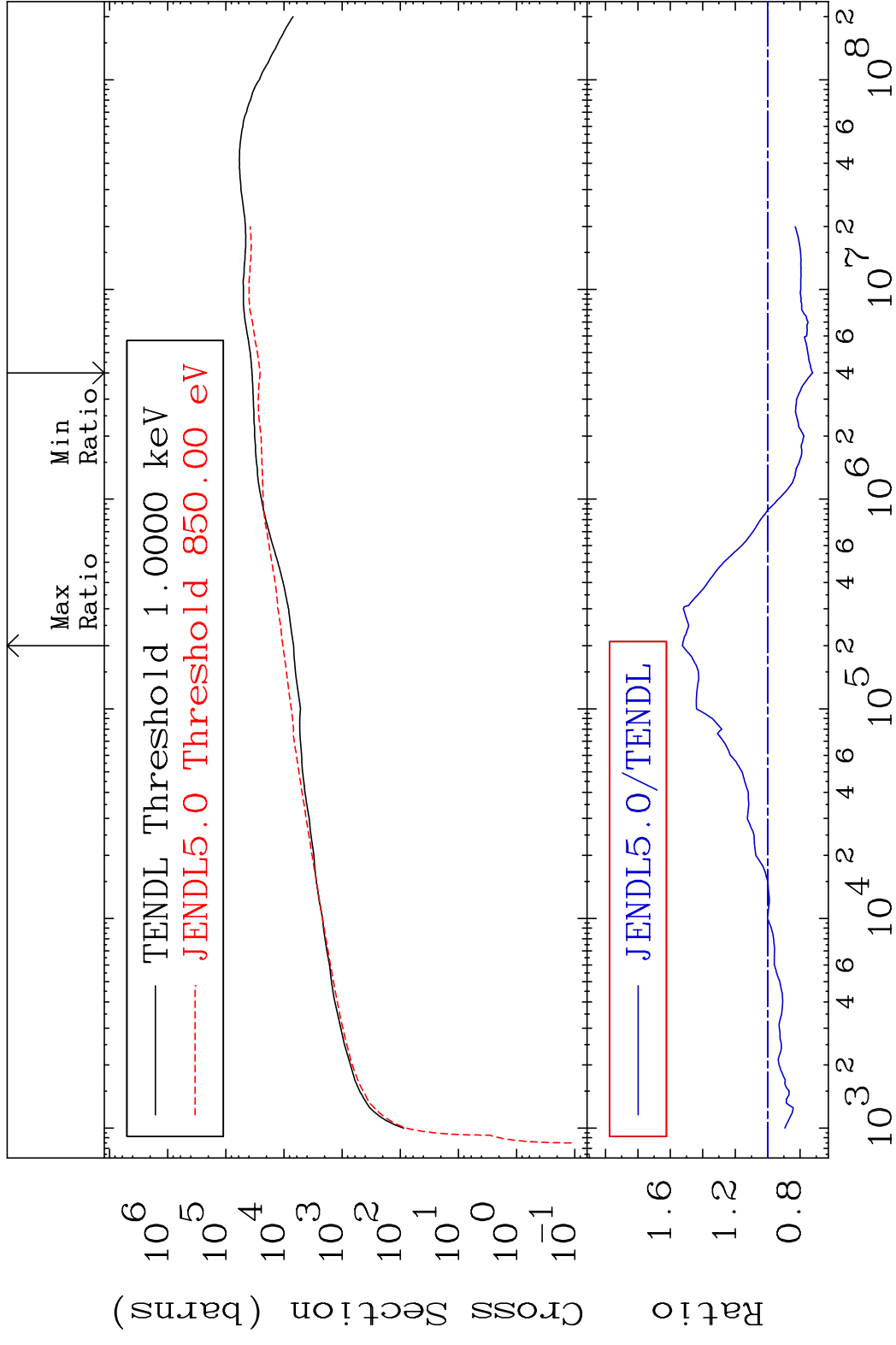
MAT 6152

Dpa elastic (mt2)

61-Pm-148

Cross Section

-27.72 To 52.60 %

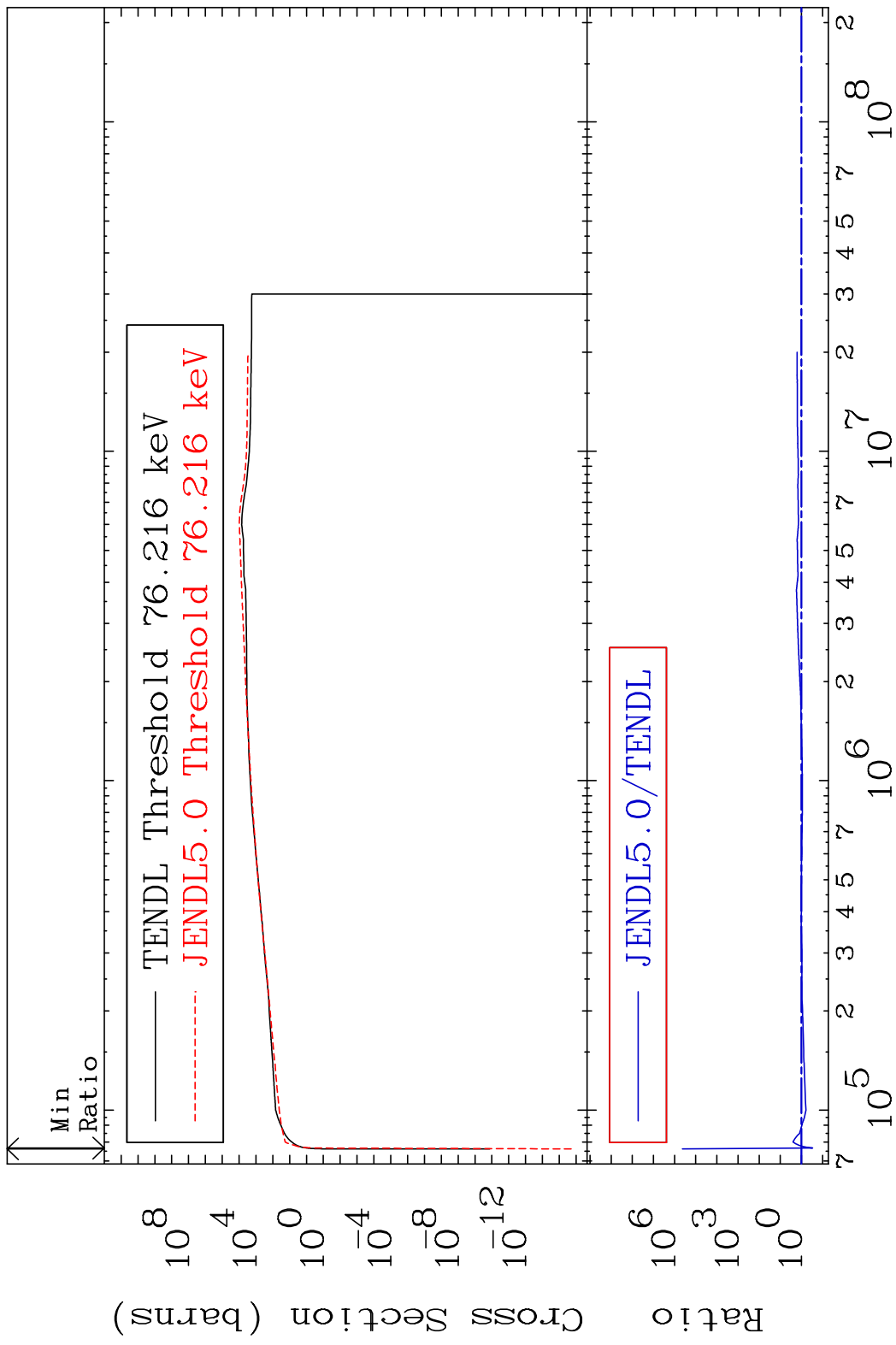


64

Incident Energy (eV)

61-Pm-148

MAT 6152 Dpa inelastic (mt51-91) 61-Pm-148
 Cross Section -70.18 To 9999. %



65 Incident Energy (eV) 61-Pm-148

MAT 6152 Dpa disappearance (mt102 -120) 61-Pm-148
 Cross Section -97.22 To 5929. %

