

Program Complot
(Version 2021-1)

by

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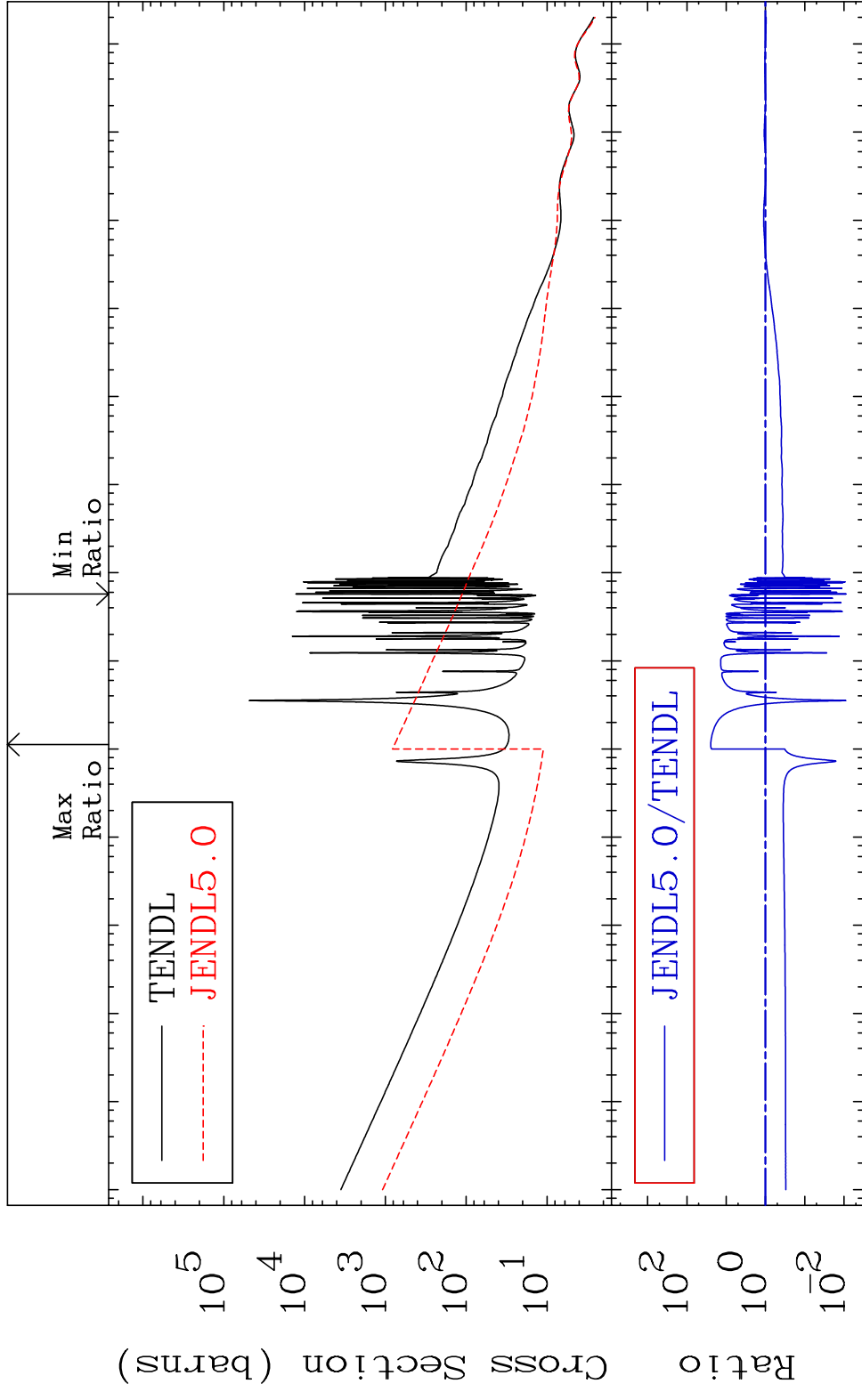
Press Mouse Button to Start

MAT 7122

71-Lu-174

Total

Cross Section -99.13 To 2375. %



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

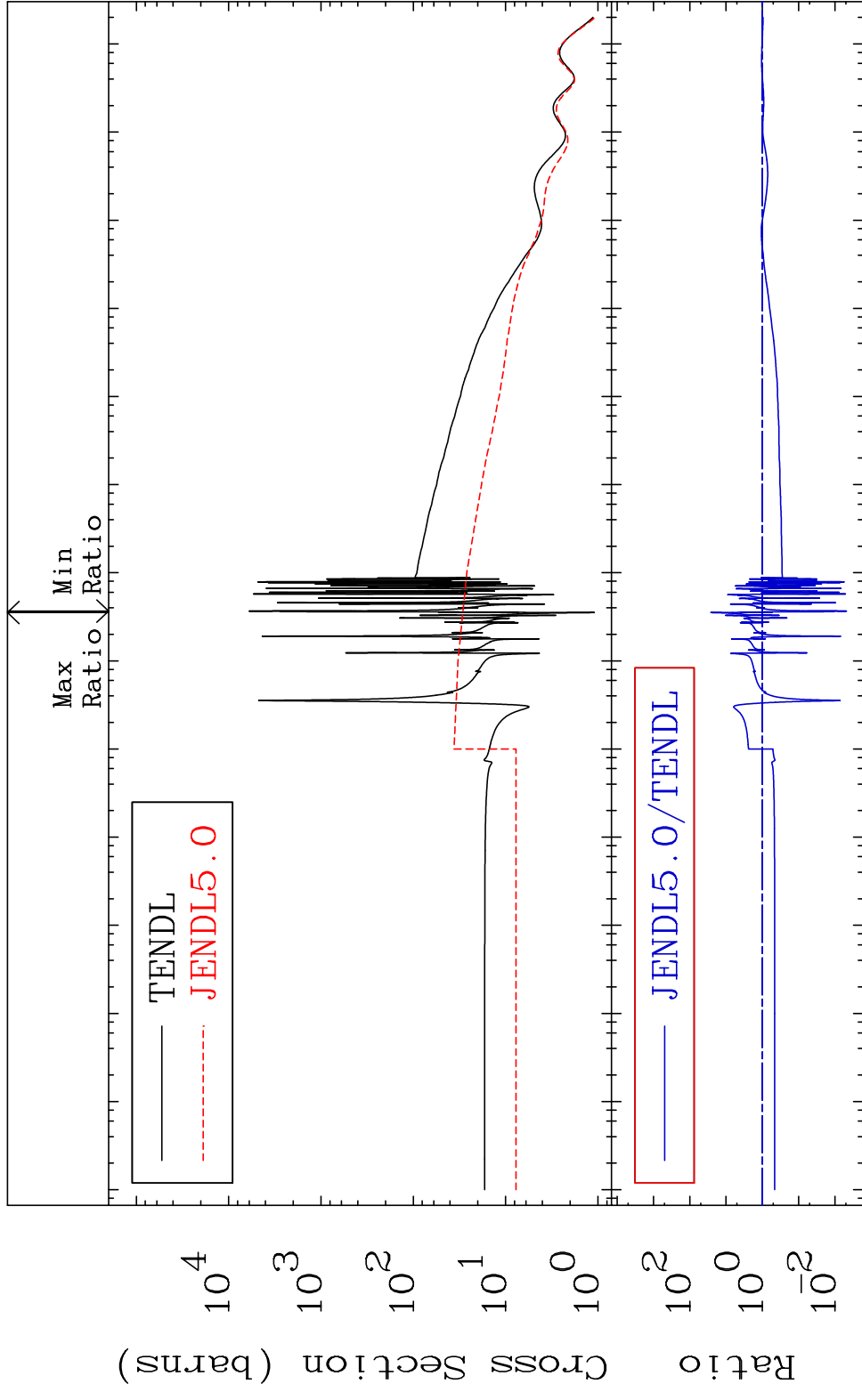
1

Incident Energy (eV)

71-Lu-174

MAT 7122

Elastic Cross Section -99.52 To 2550. %
71-Lu-174

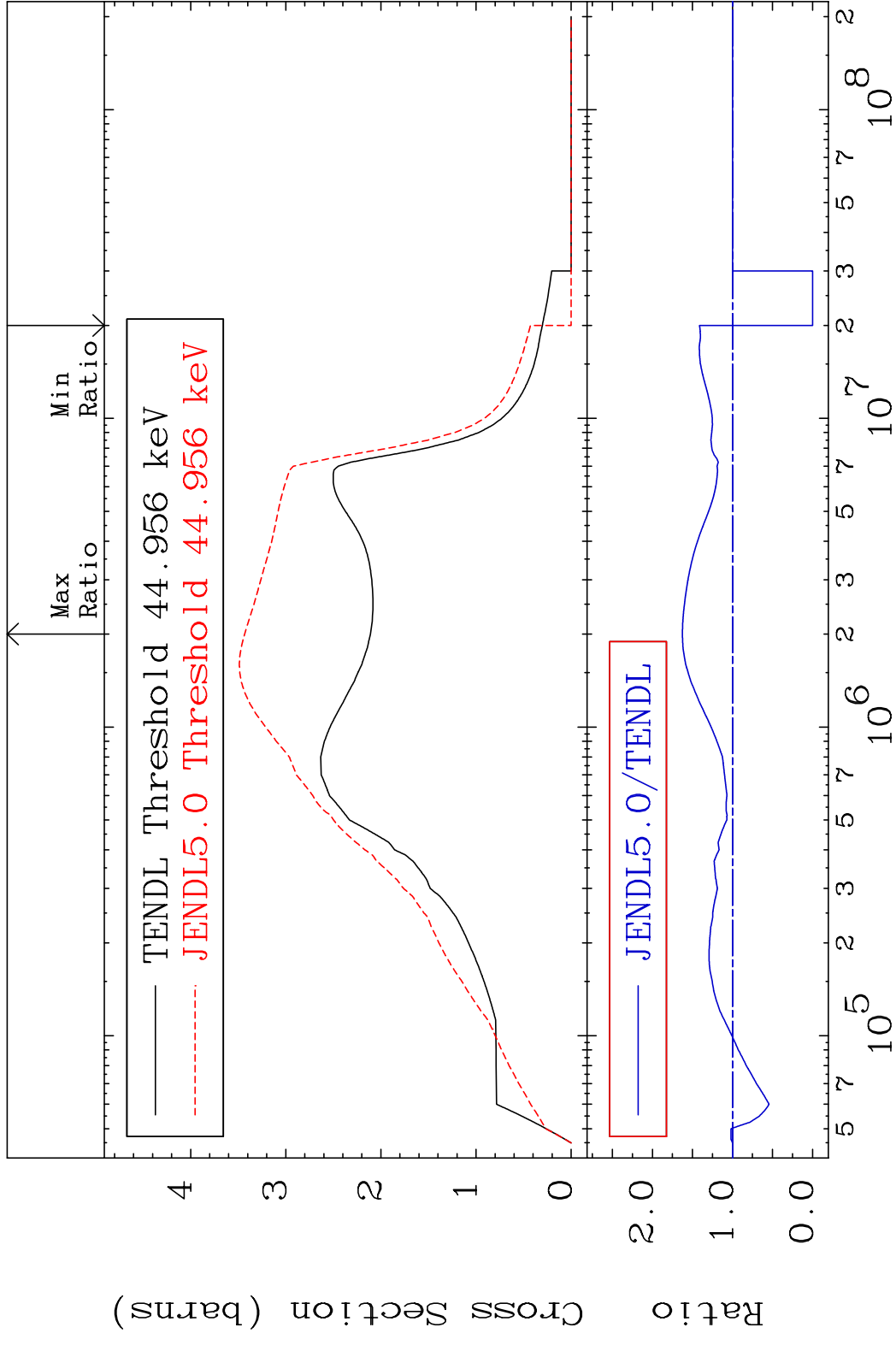


MAT 7122

Inelastic

71-Lu-174

Cross Section -100.0 To 62.63 %



3

Incident Energy (eV)

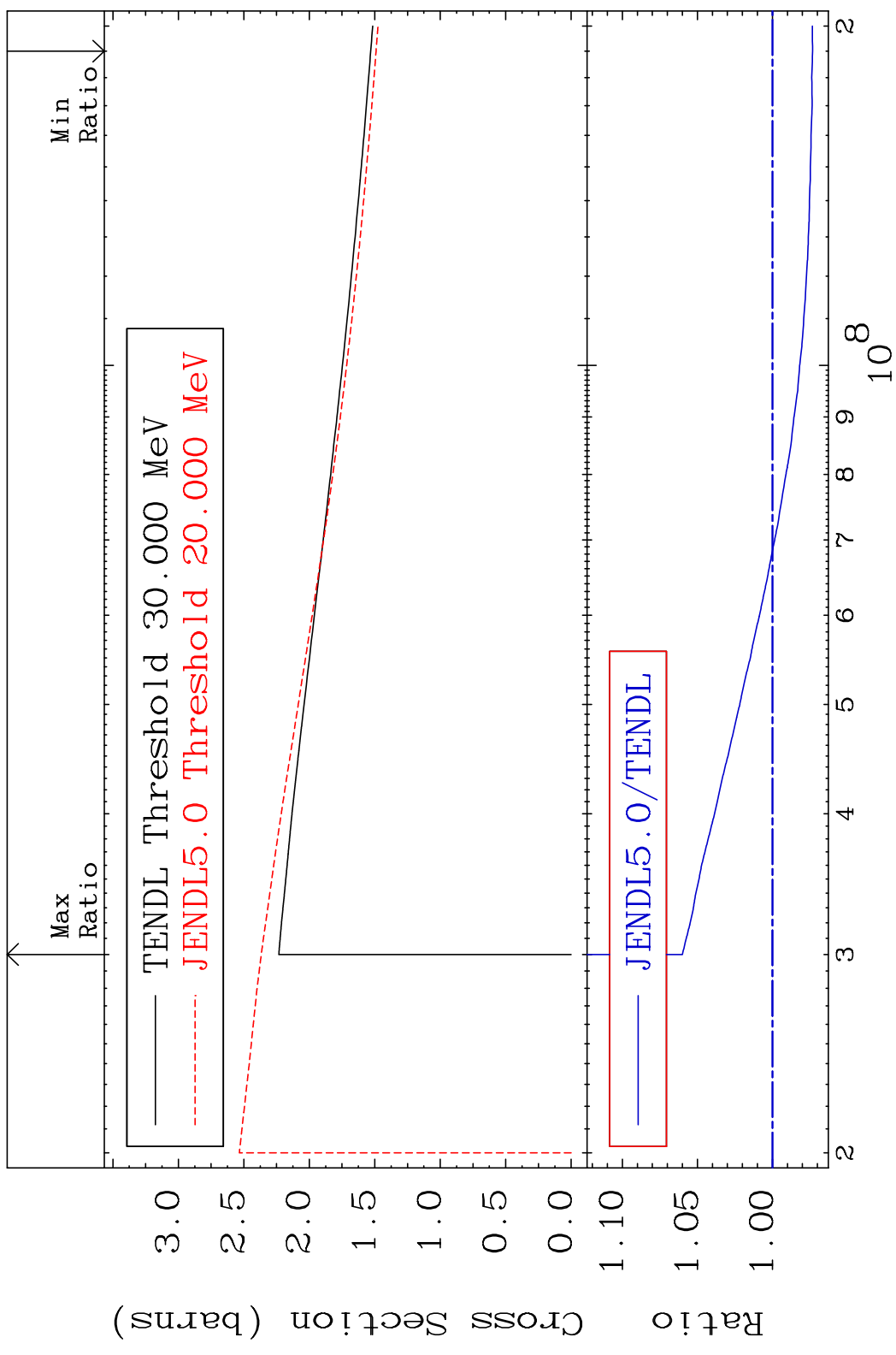
71-Lu-174

MAT 7122

(n, remainder)

71-Lu-174

Cross Section -2.673 To 6.002 %



4

Incident Energy (eV)

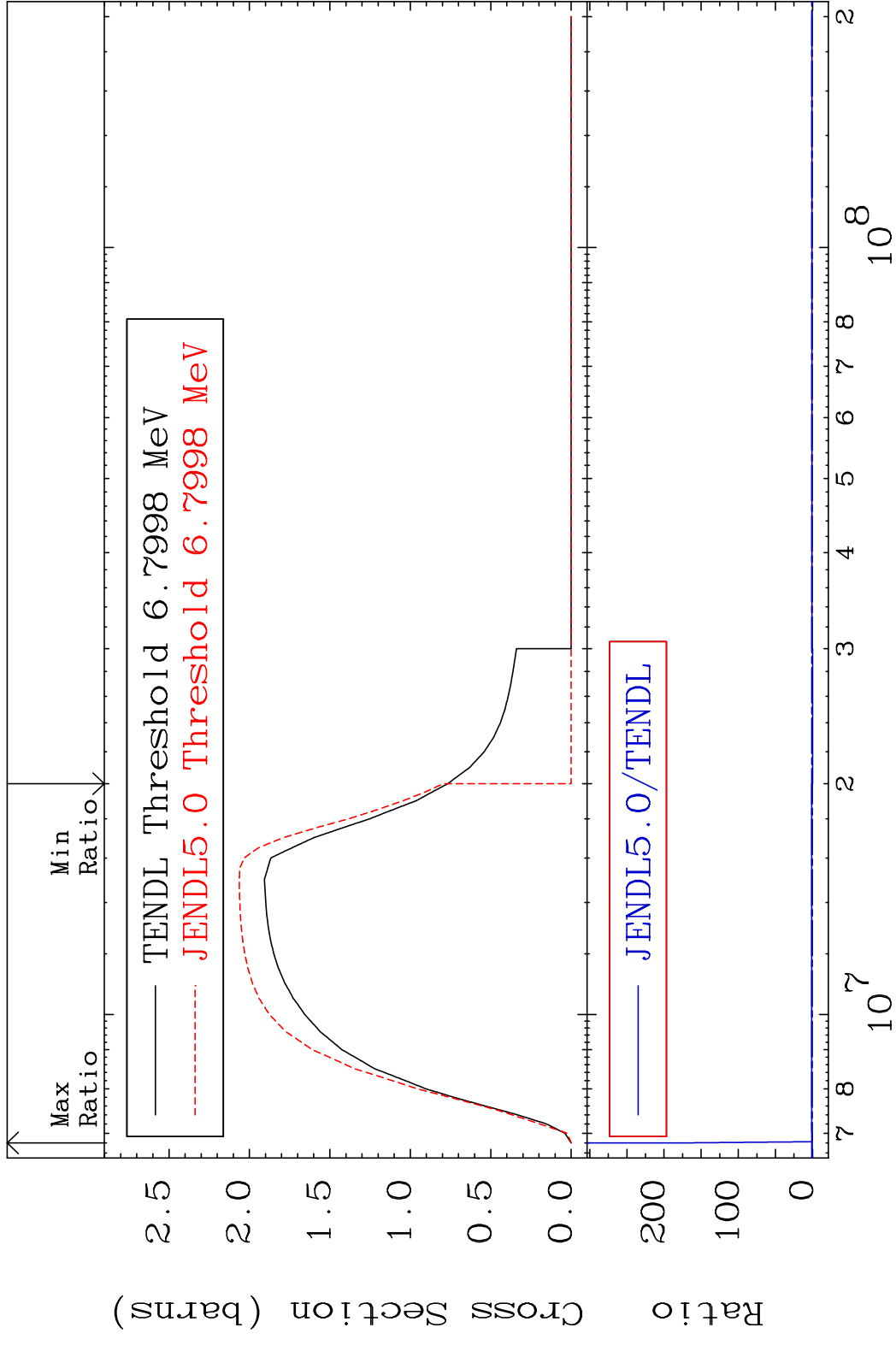
71-Lu-174

MAT 7122

(n,2n)

71-Lu-174

Cross Section -100.0 To 9999. %



5

Incident Energy (eV)

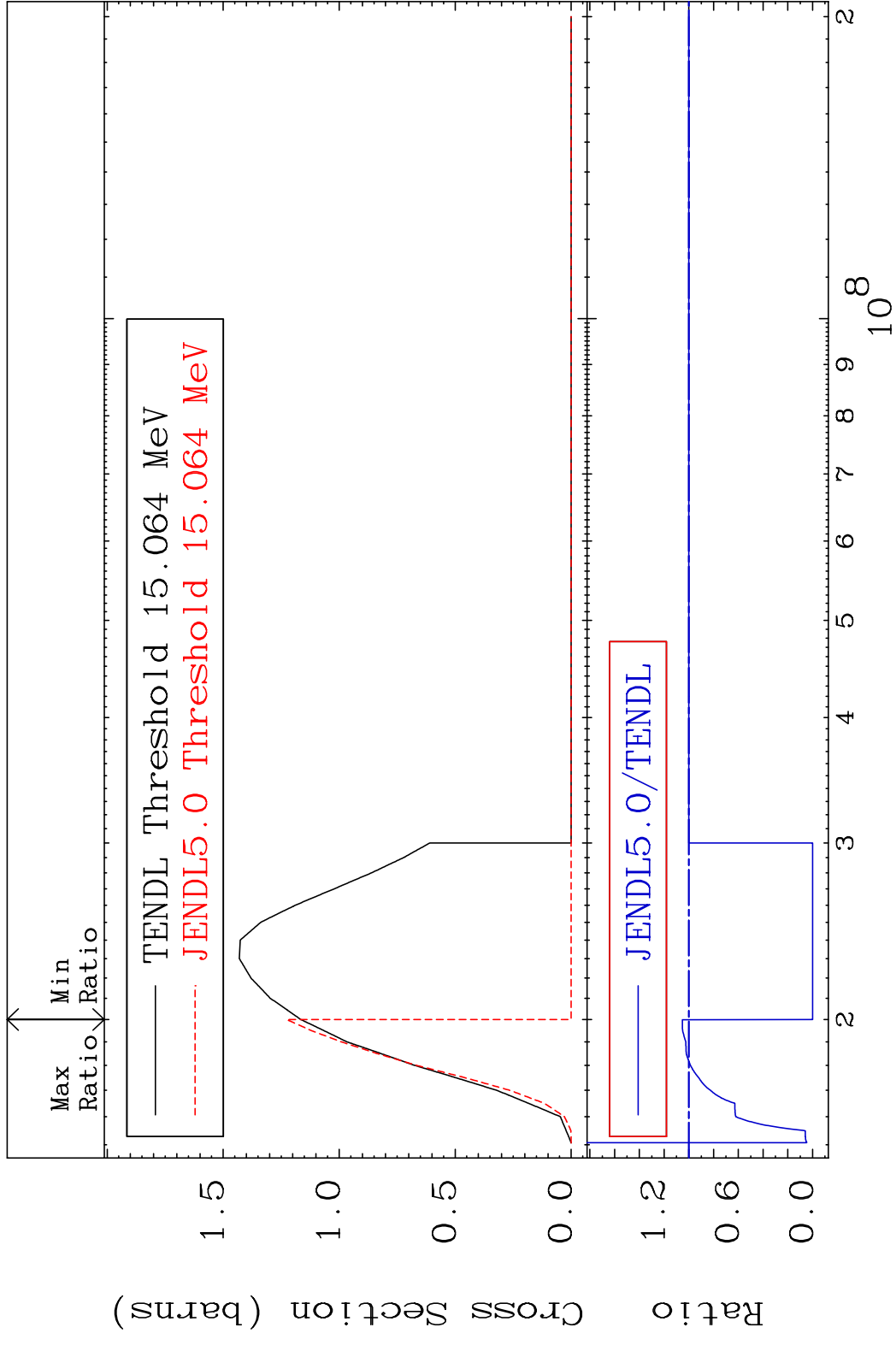
71-Lu-174

MAT 7122

(n,3n)

71-Lu-174

Cross Section -100.0 To 5.238 %

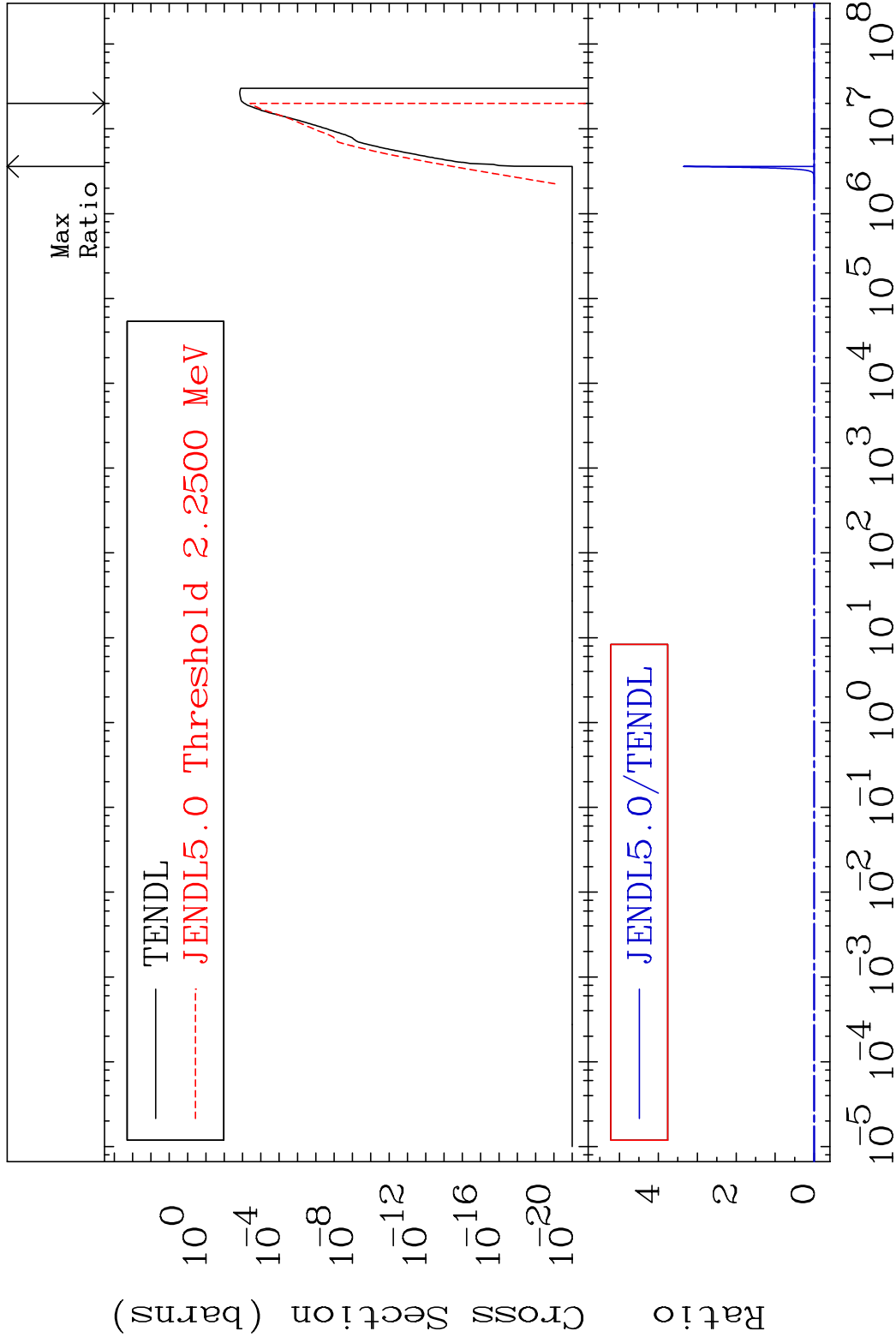


MAT 7122

(n, n') α

71-Lu-174

Cross Section -100.0 To 9999. %

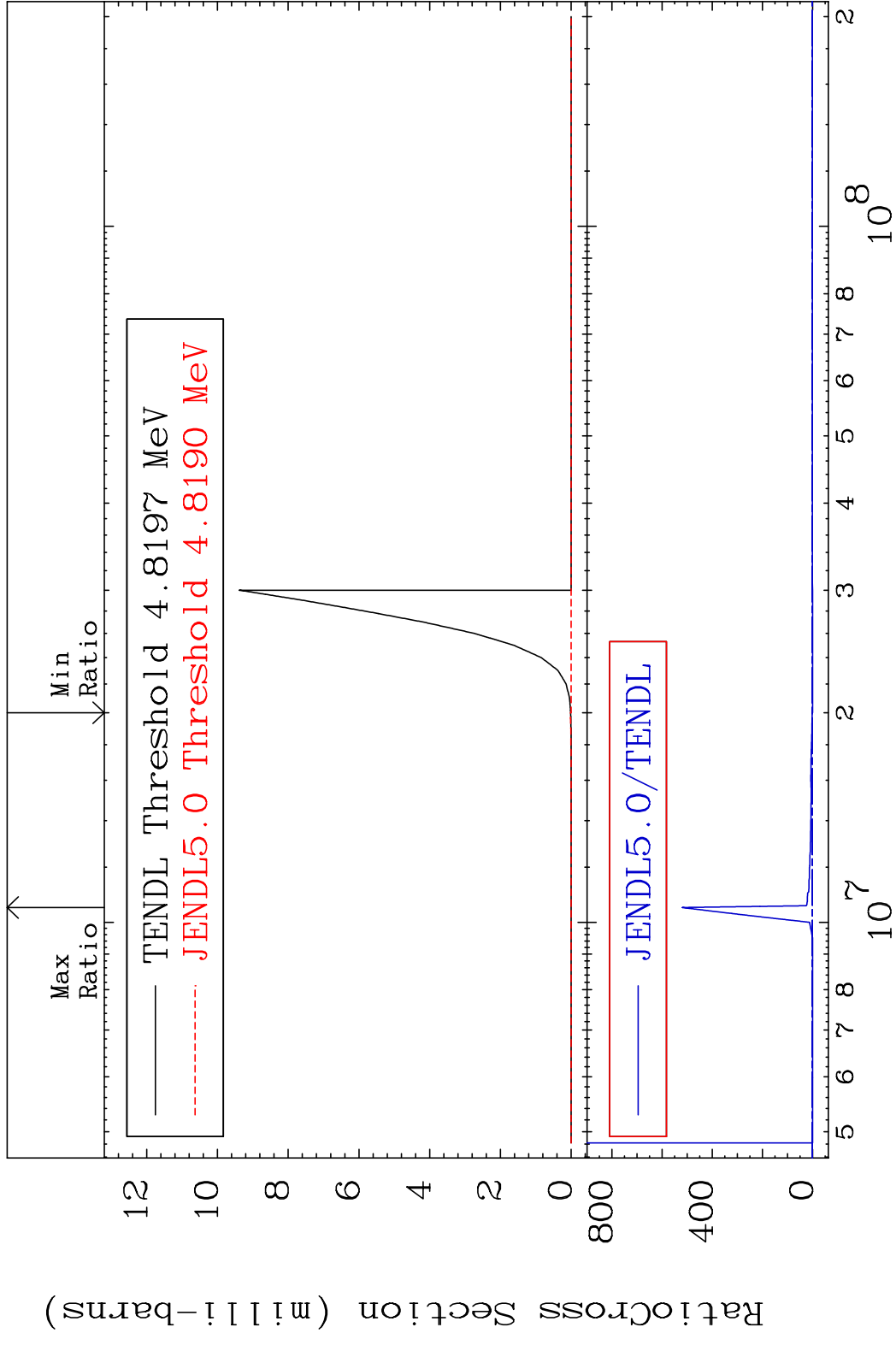


7

Incident Energy (eV)

71-Lu-174

MAT 7122 (n,2n) α 71-Lu-174
 Cross Section -100.0 To 9999. %

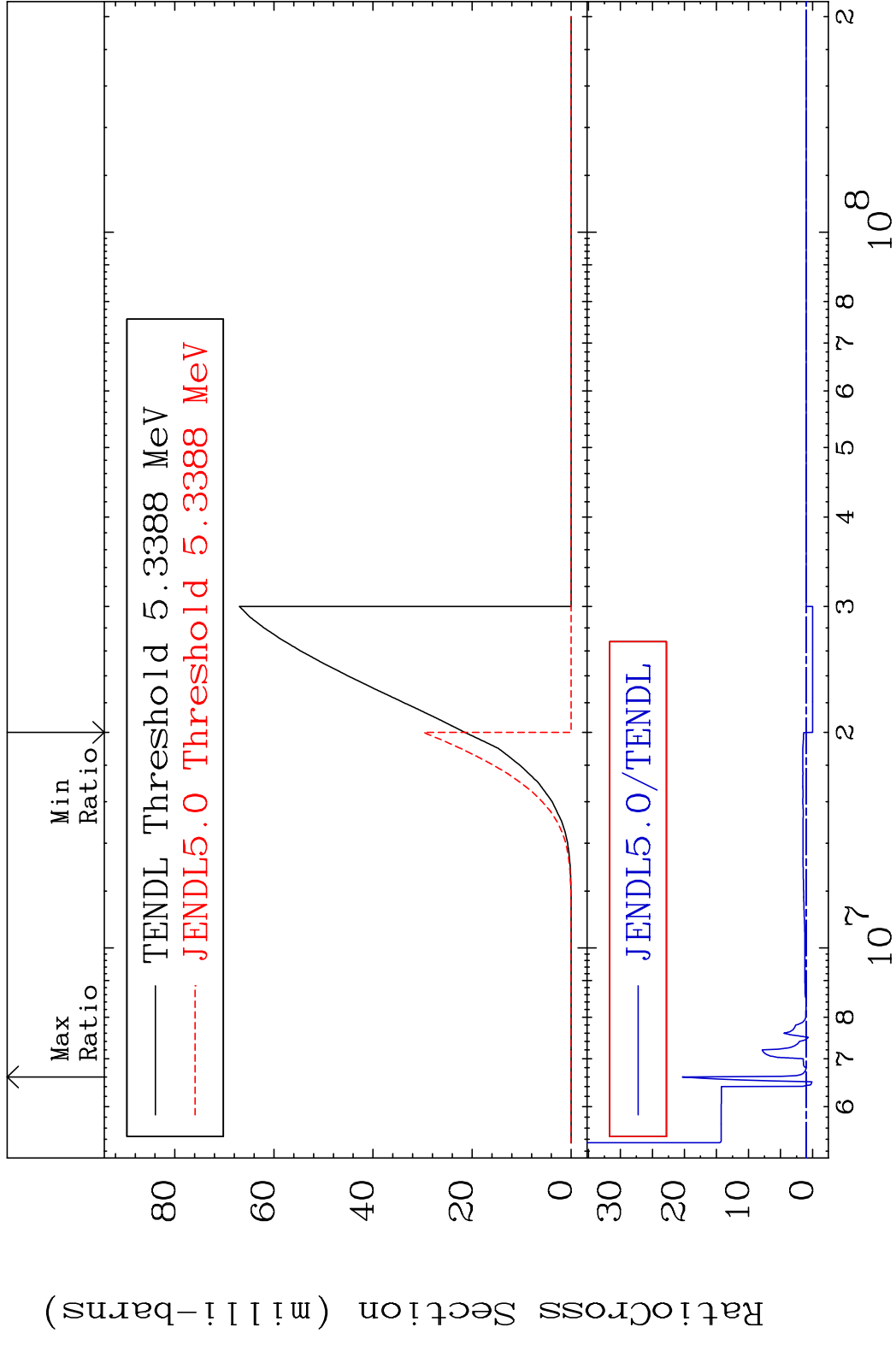


8 Incident Energy (eV) 71-Lu-174

MAT 7122

(n, n') p 71-Lu-174

Cross Section -100.0 To 1933. %

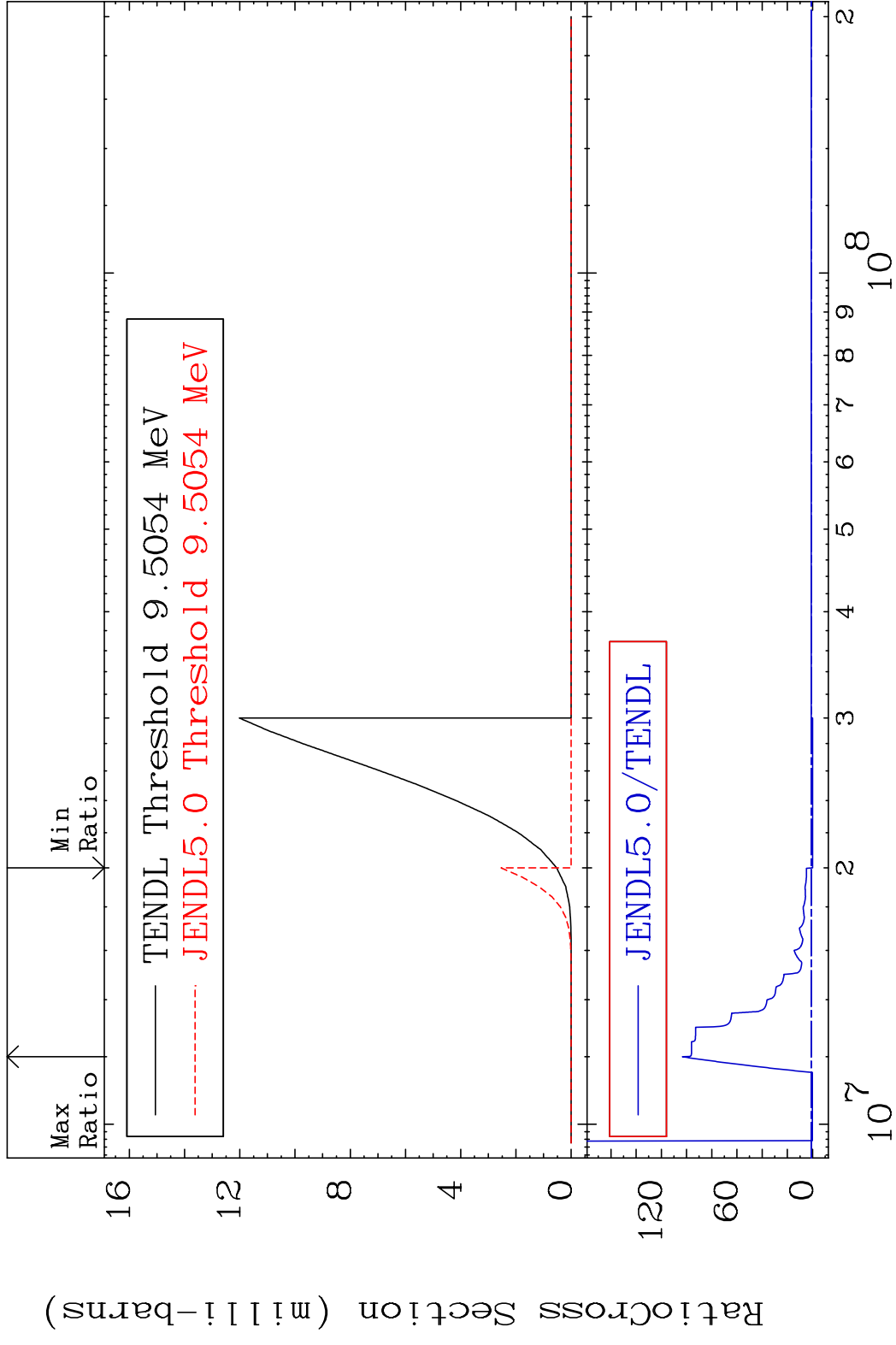


MAT 7122

(n, n') d

71-Lu-174

Cross Section -100.0 To 9999. %

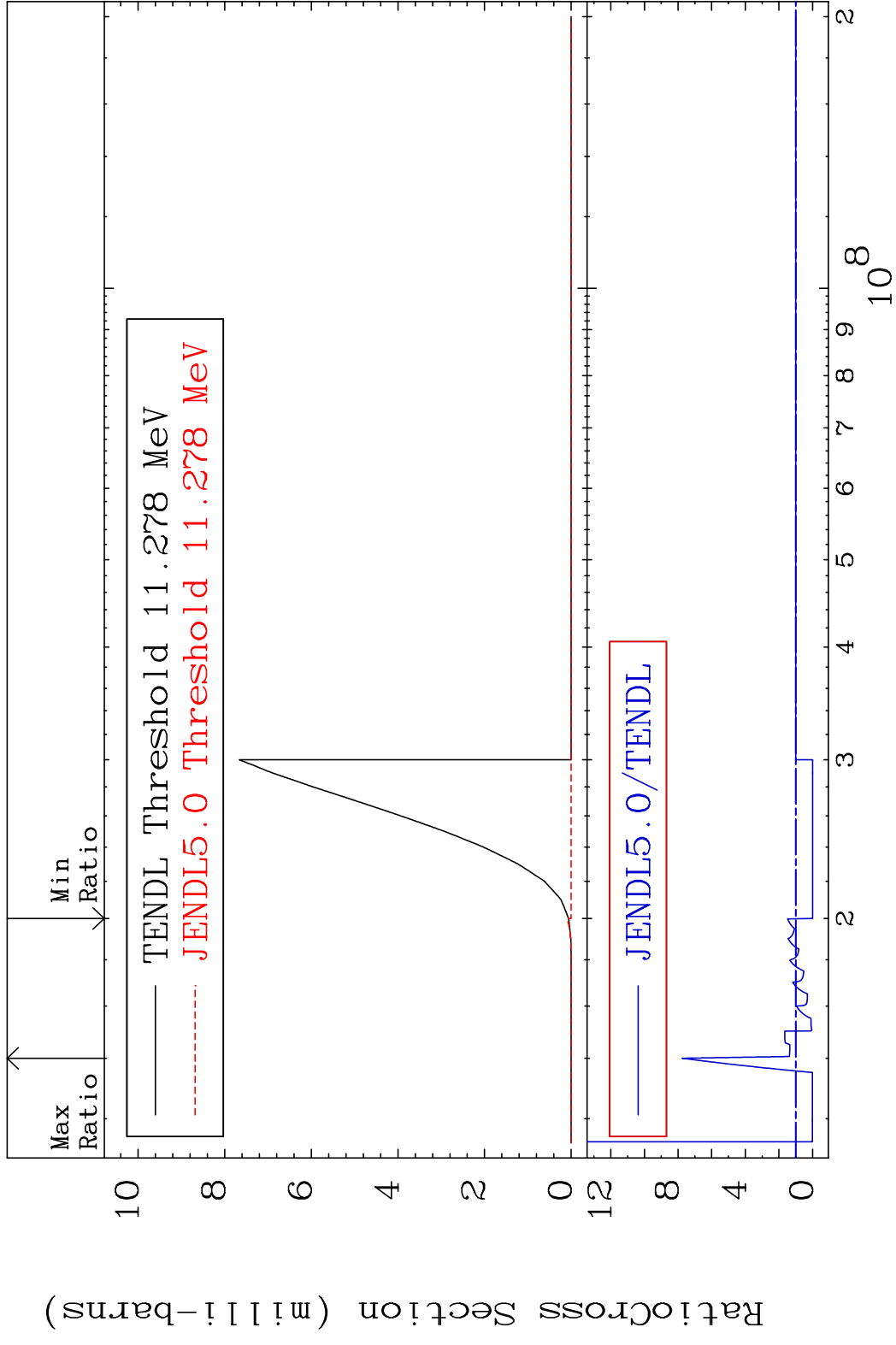


10

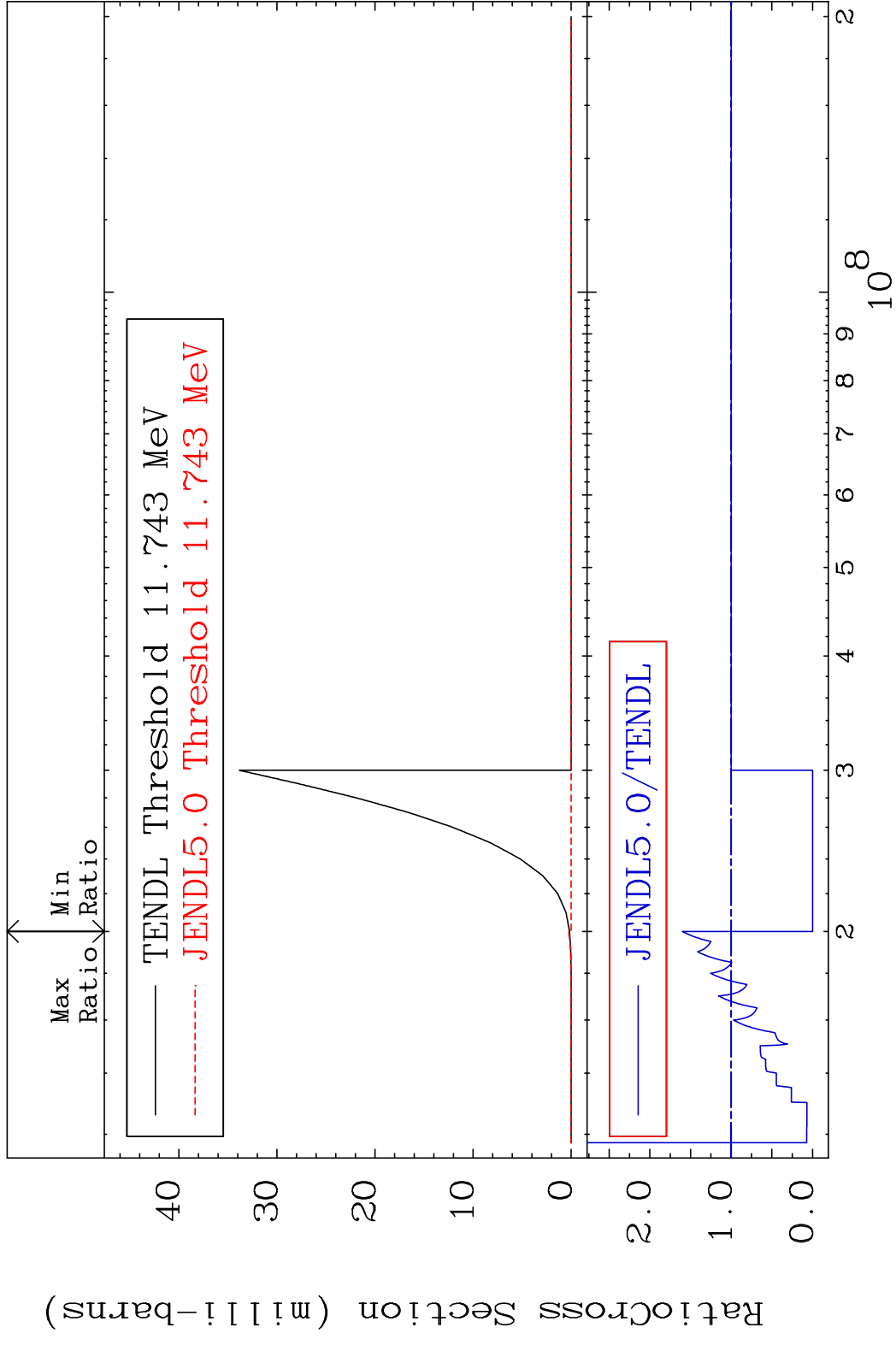
Incident Energy (eV)

71-Lu-174

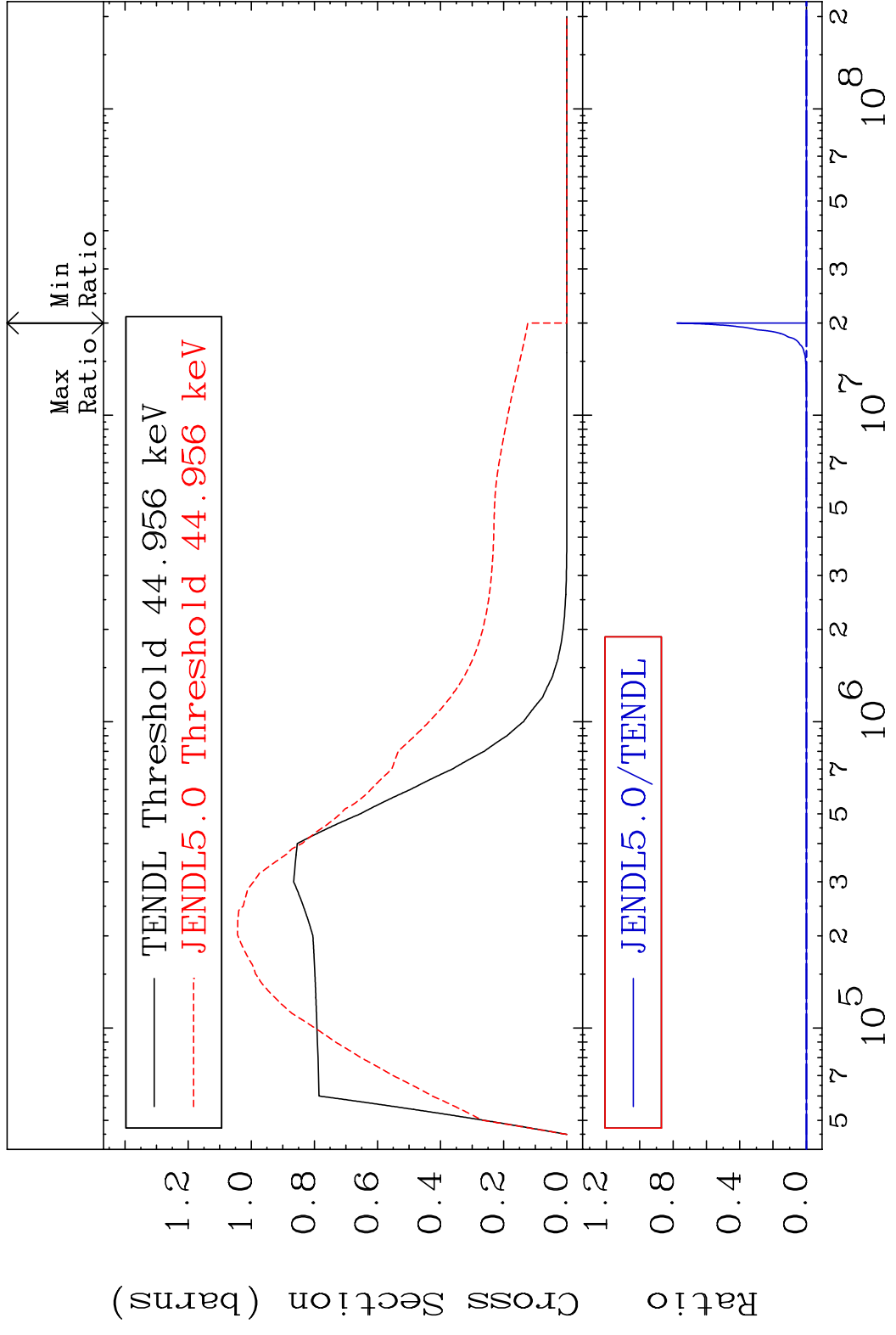
MAT 7122 (n, n') t 71-Lu-174
 Cross Section -100.0 To 674.5 %



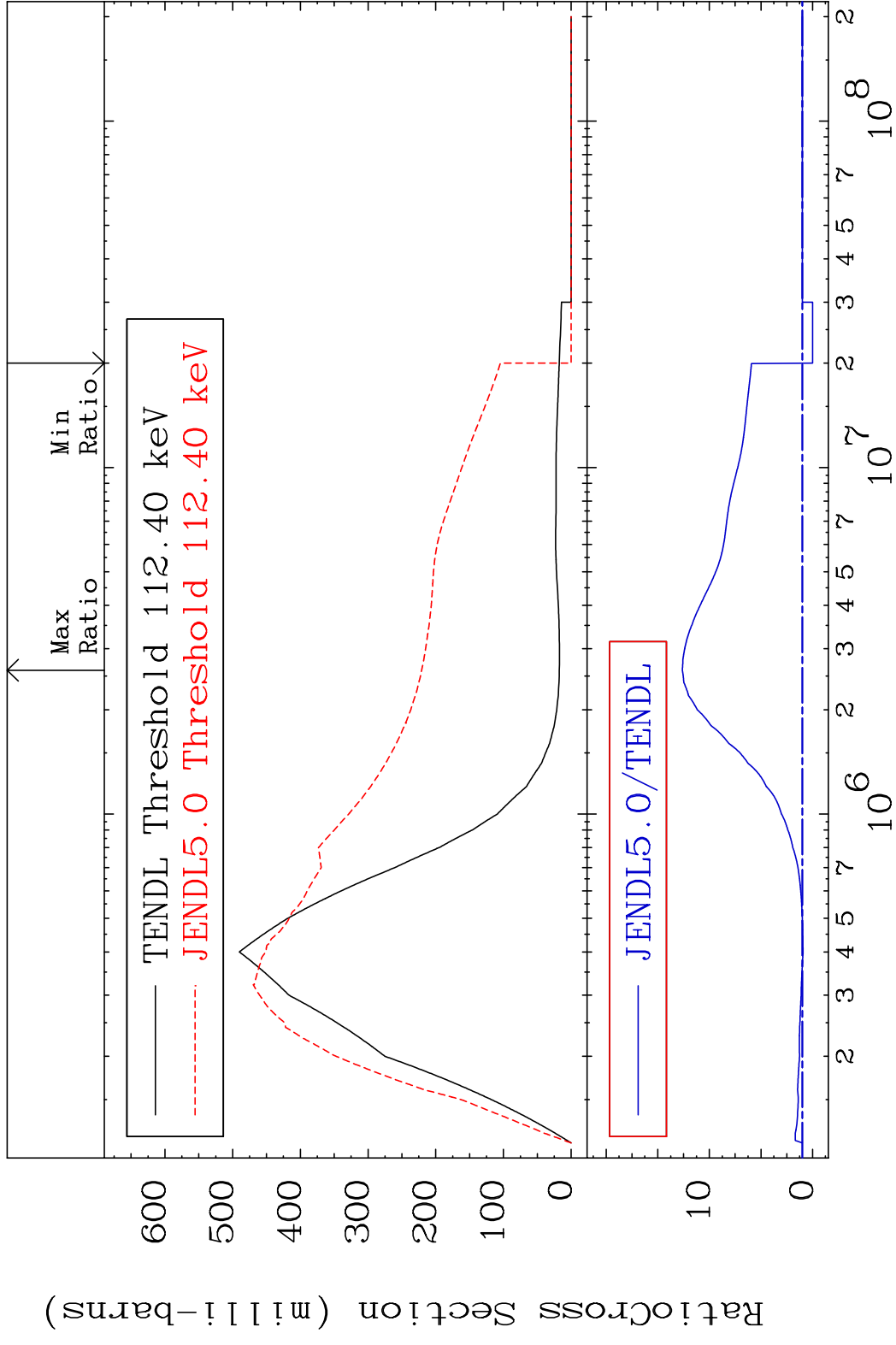
MAT 7122 (n,2n) p 71-Lu-174
 Cross Section -100.0 To 60.07 %



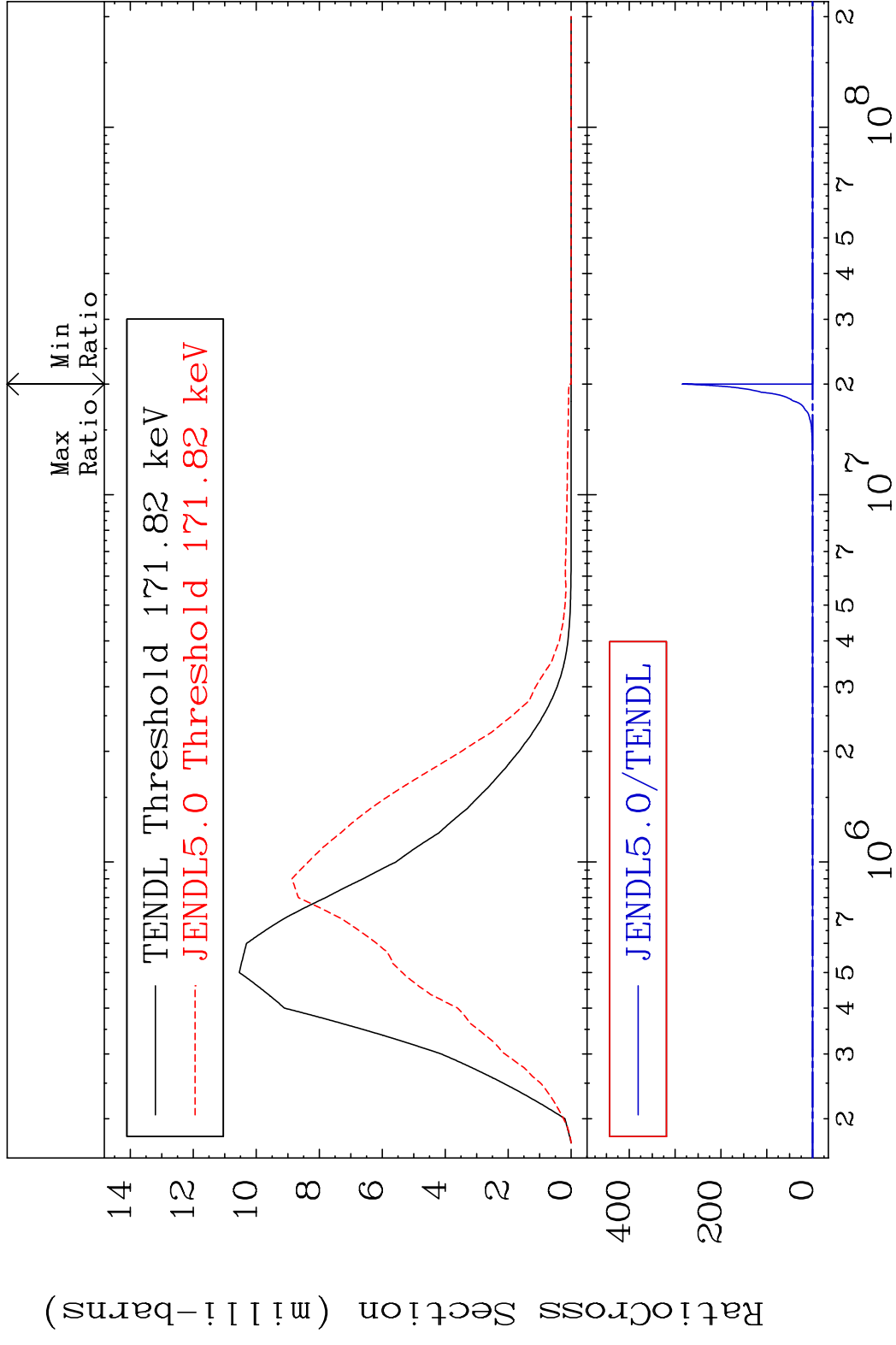
MAT 7122 MT= 51 (n,n') Level 71-Lu-174
 Cross Section -100.0 To 9999. %



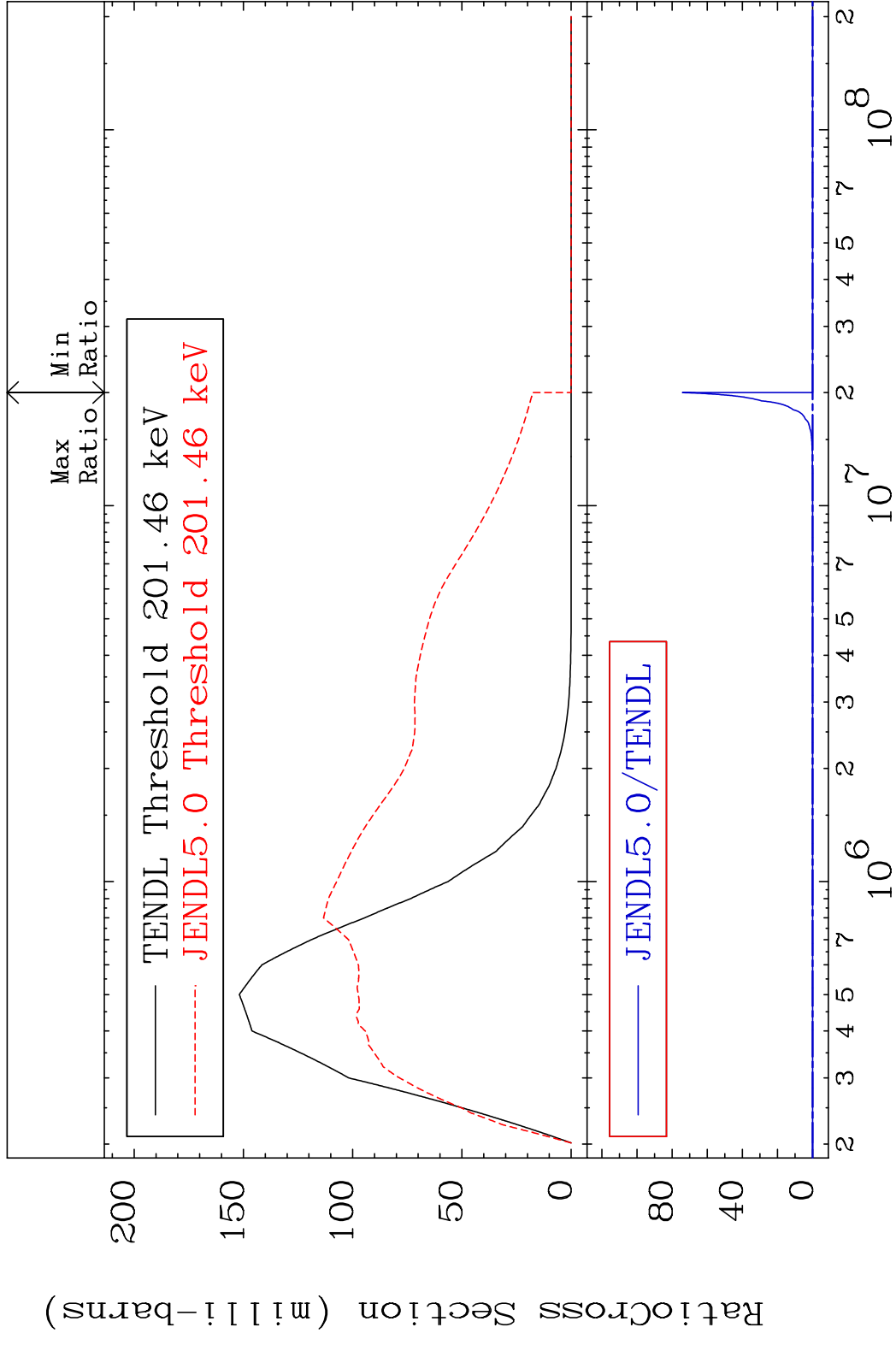
MAT 7122 MT= 52 (n, n') Level 71-Lu-174
 Cross Section -100.0 To 1162. %



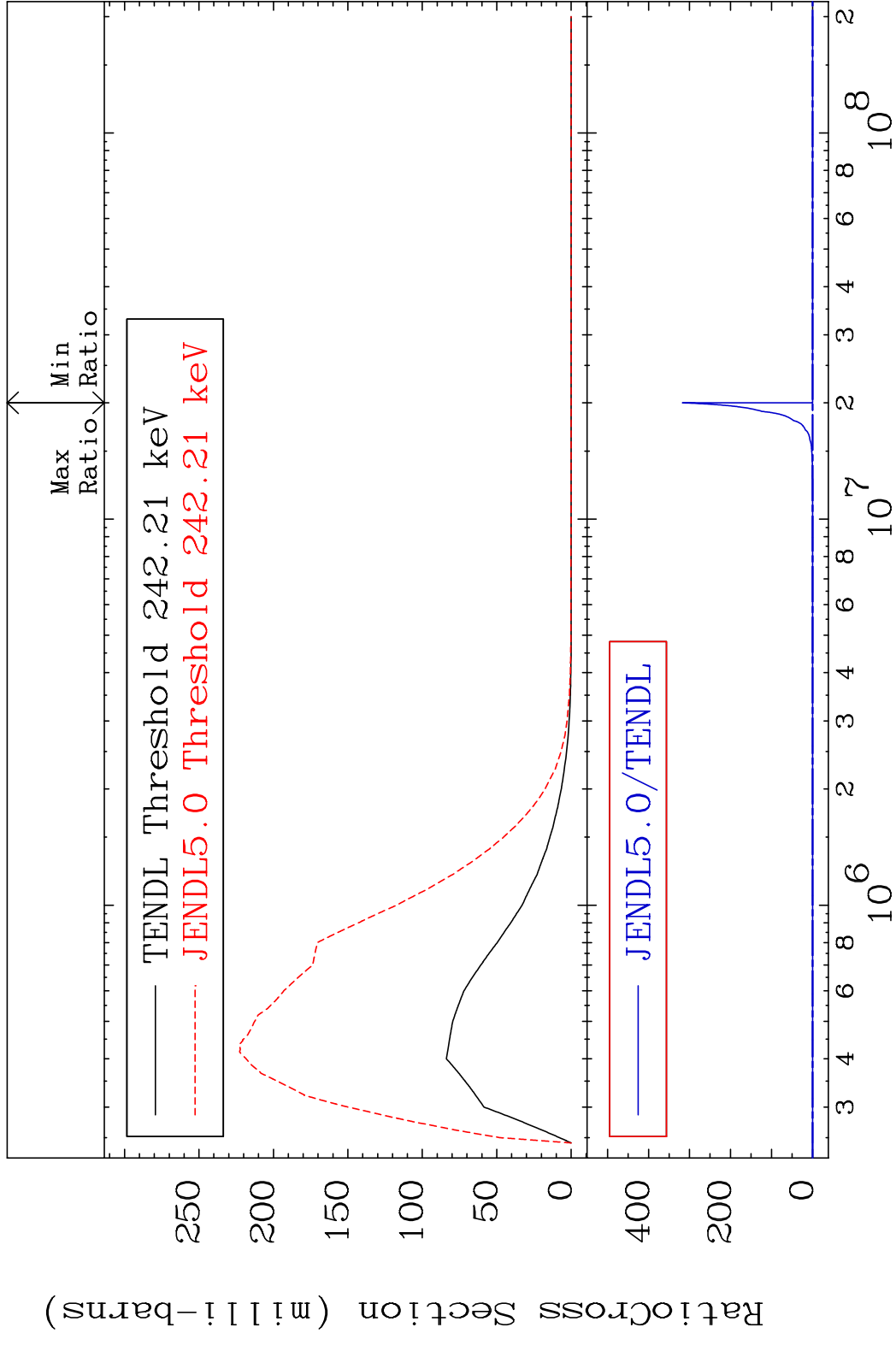
MAT 7122 MT= 53 (n, n') Level 71-Lu-174
 Cross Section -100.0 To 9999. %



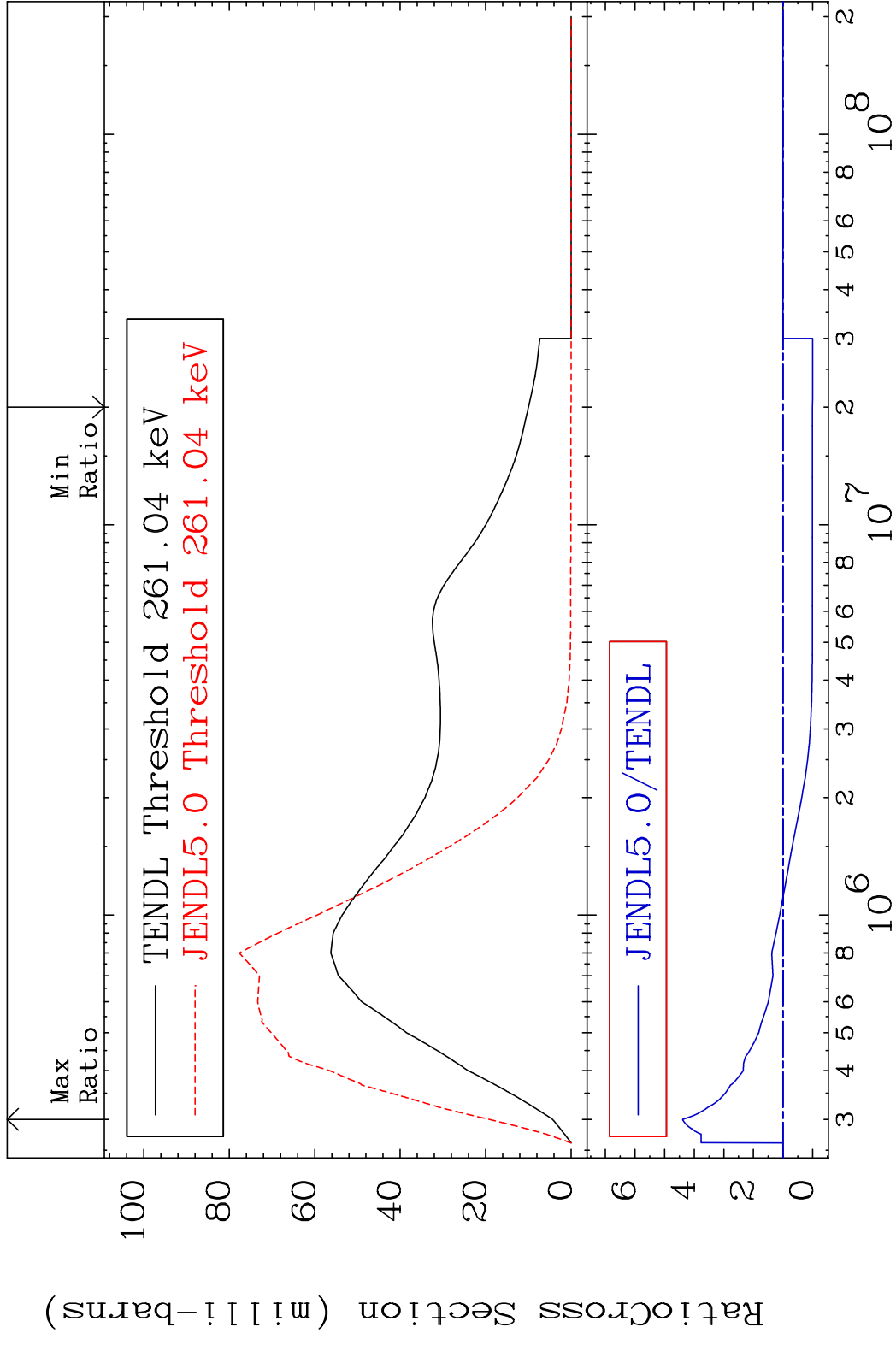
MAT 7122 MT= 54 (n,n') Level 71-Lu-174
 Cross Section -100.0 To 9999. %



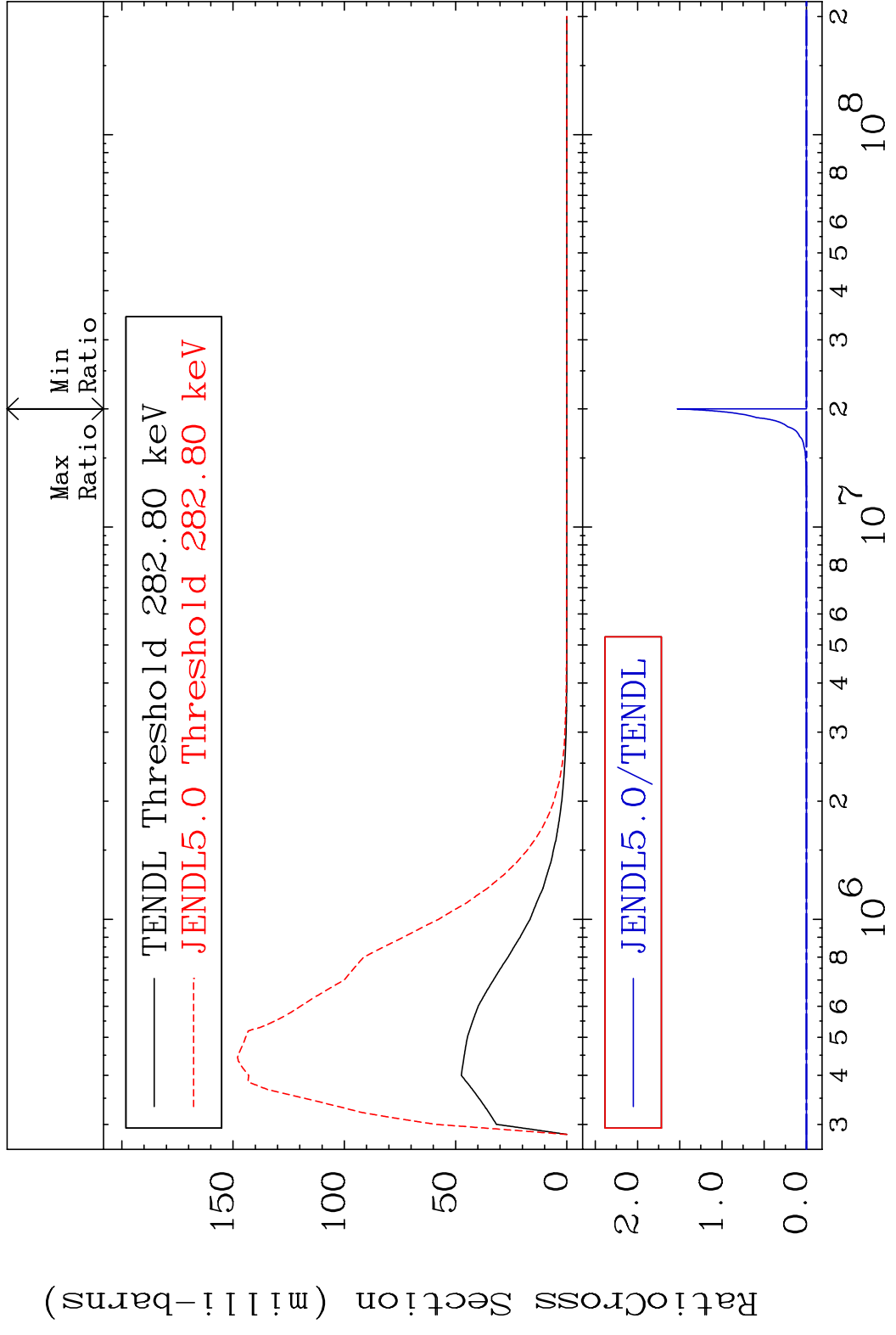
MAT 7122 MT= 55 (n,n') Level 71-Lu-174
 Cross Section -100.0 To 9999. %



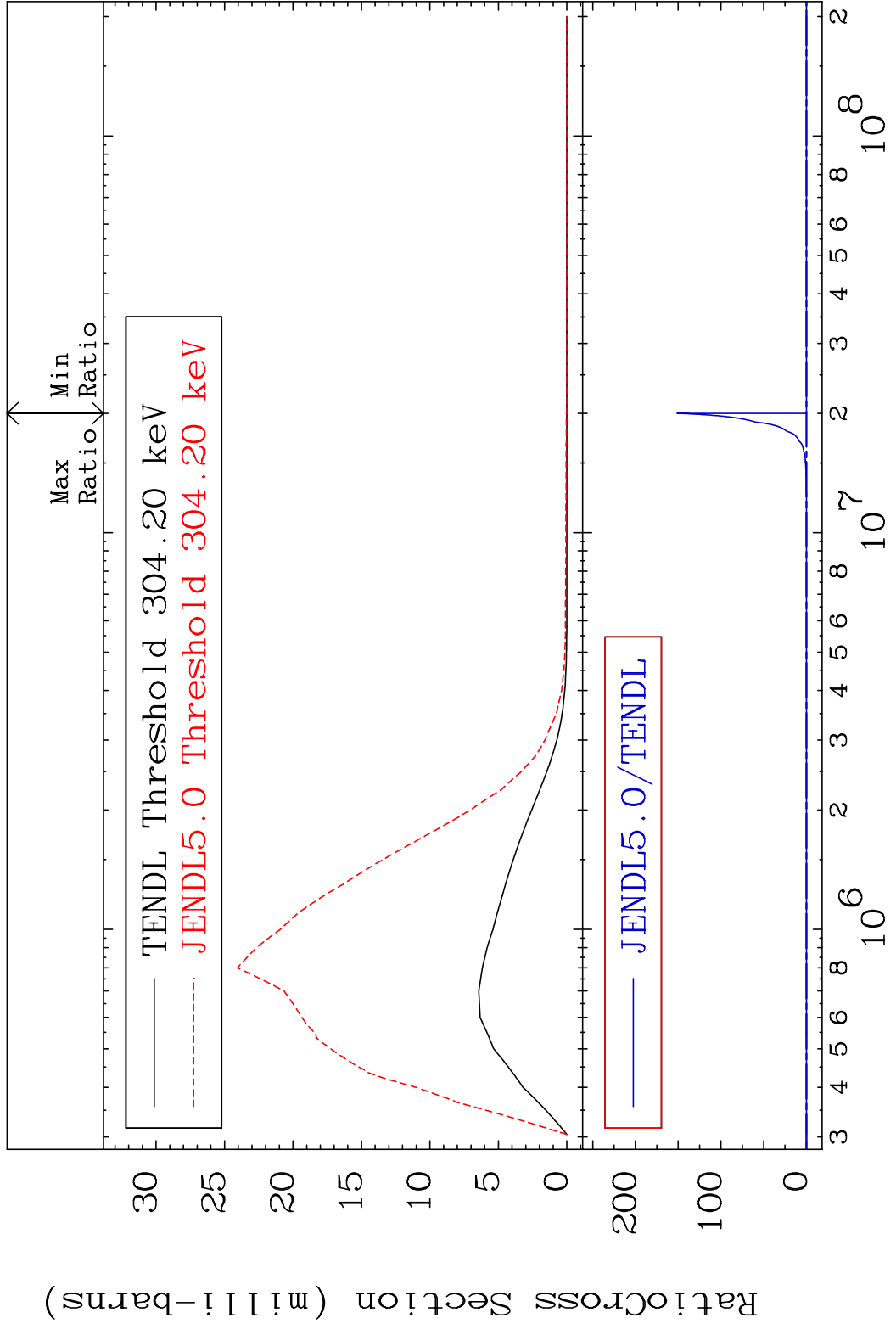
MAT 7122 MT= 56 (n,n') Level 71-Lu-174
 Cross Section -100.0 To 340.0 %



MAT 7122 MT= 57 (n,n') Level 71-Lu-174
 Cross Section -100.0 To 9999. %

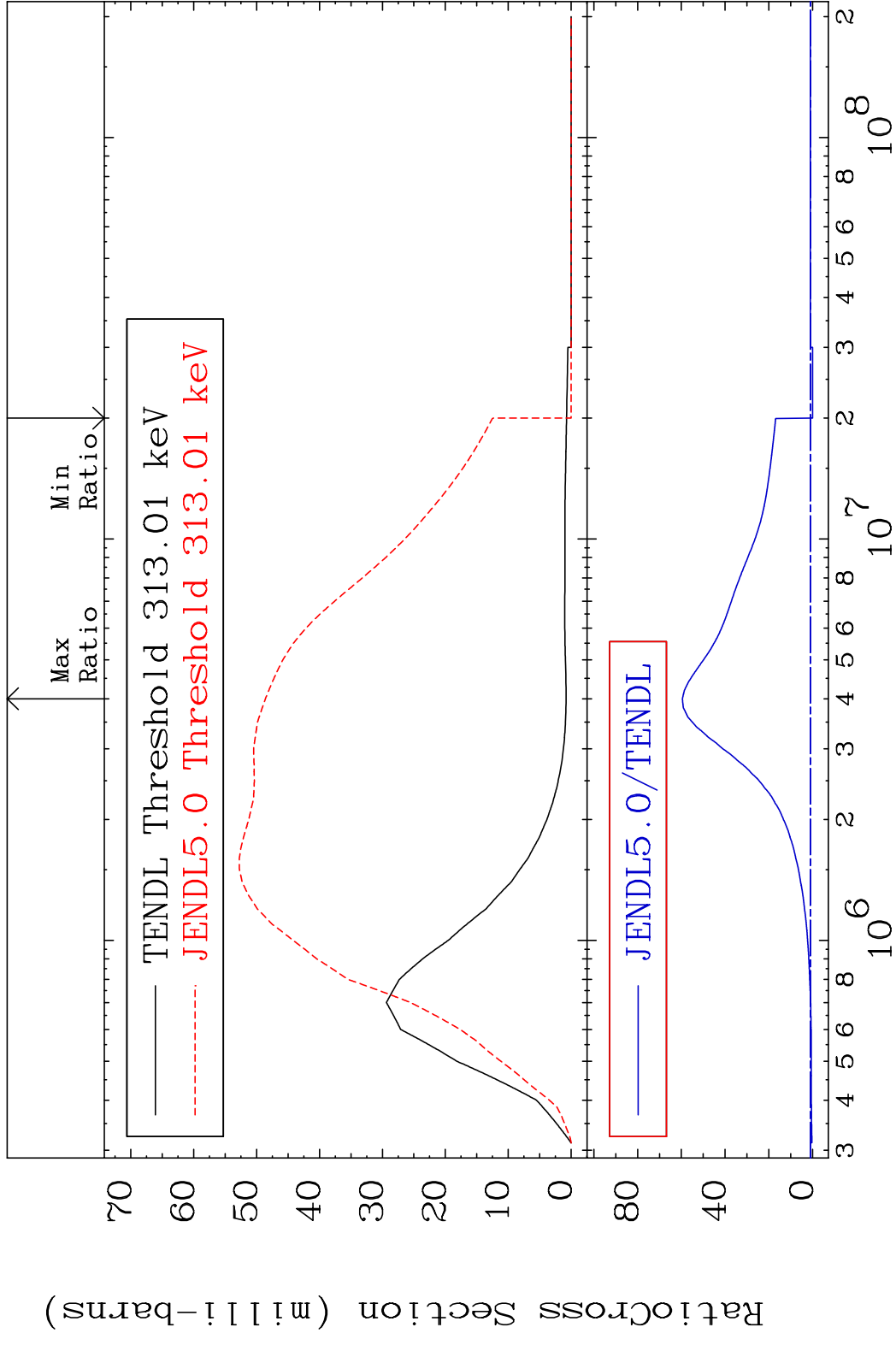


MAT 7122 MT= 58 (n,n') Level 71-Lu-174
 Cross Section -100.0 To 9999. %

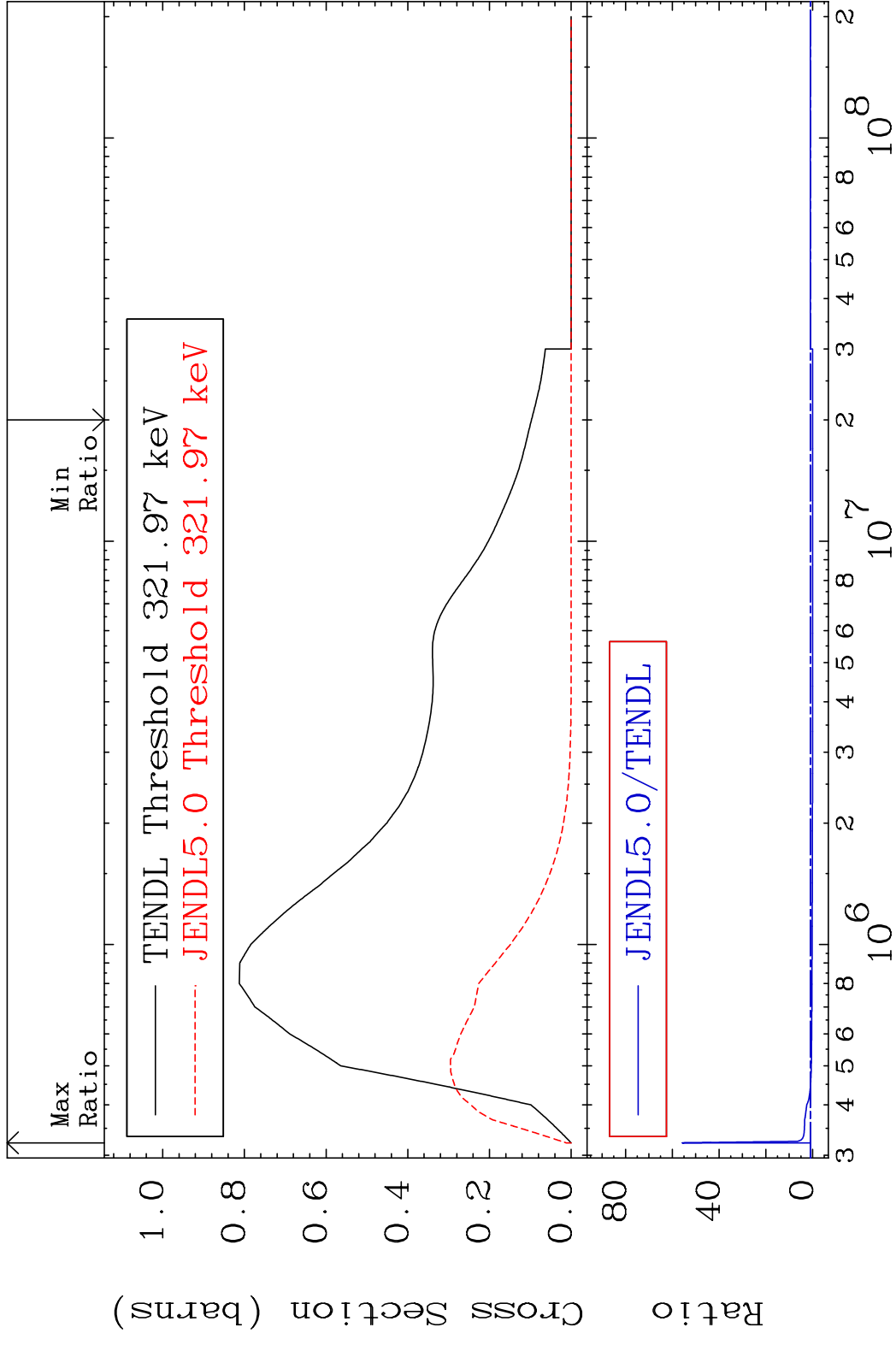


20 Incident Energy (eV) 71-Lu-174

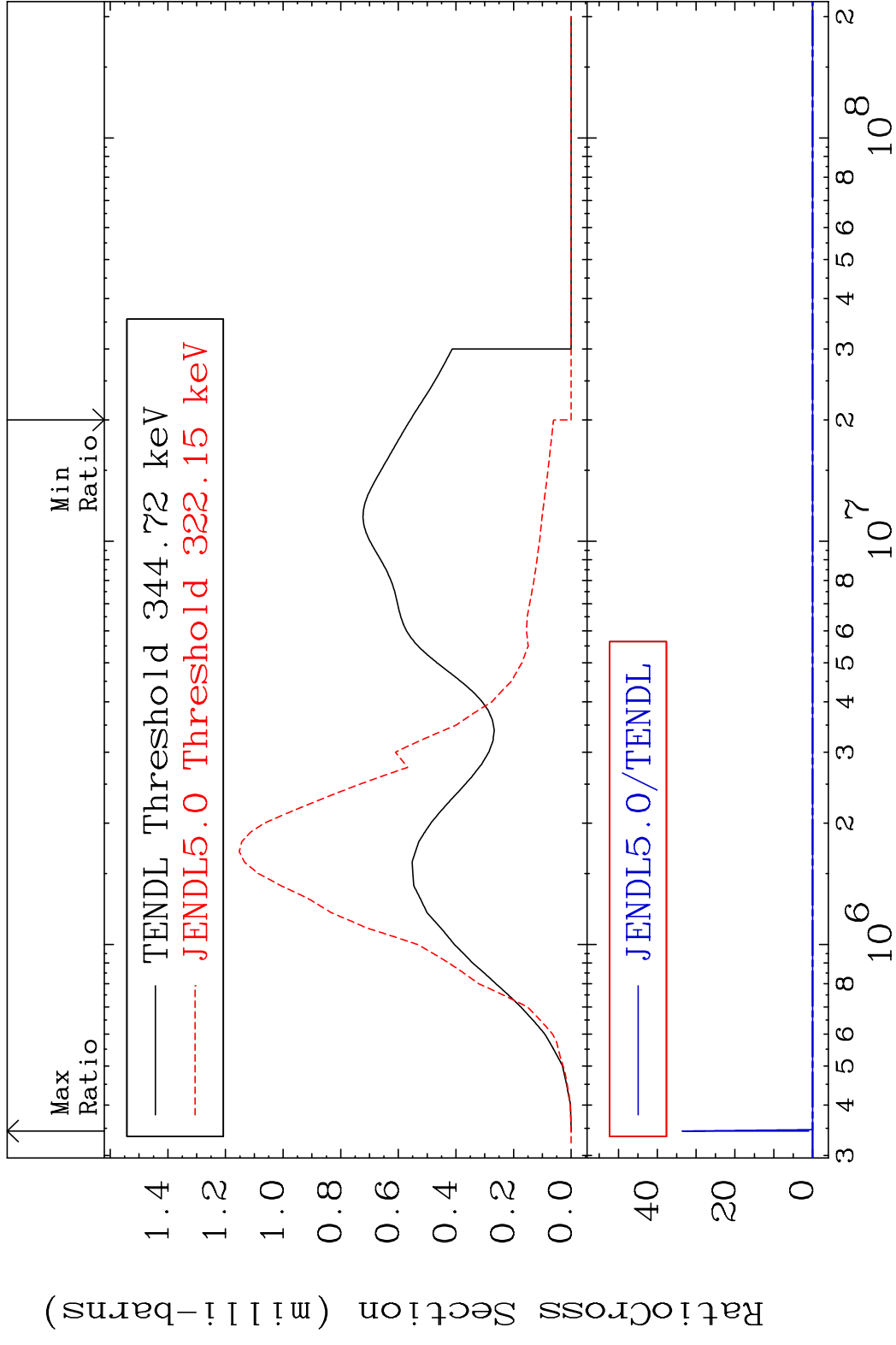
MAT 7122 MT= 59 (n, n') Level 71-Lu-174
 Cross Section -100.0 To 5854. %



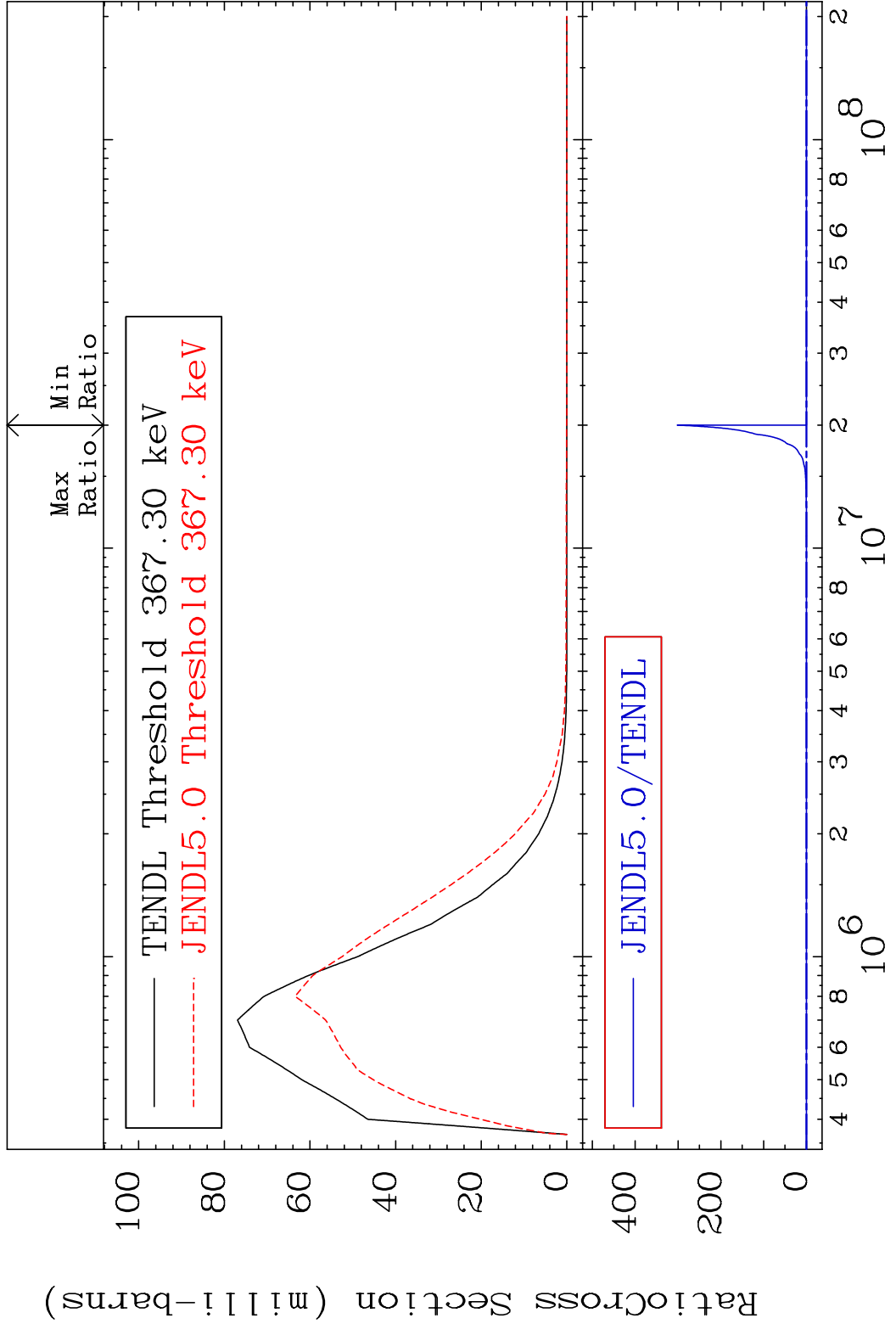
MAT 7122 MT= 60 (n, n') Level 71-Lu-174
 Cross Section -100.0 To 5469. %



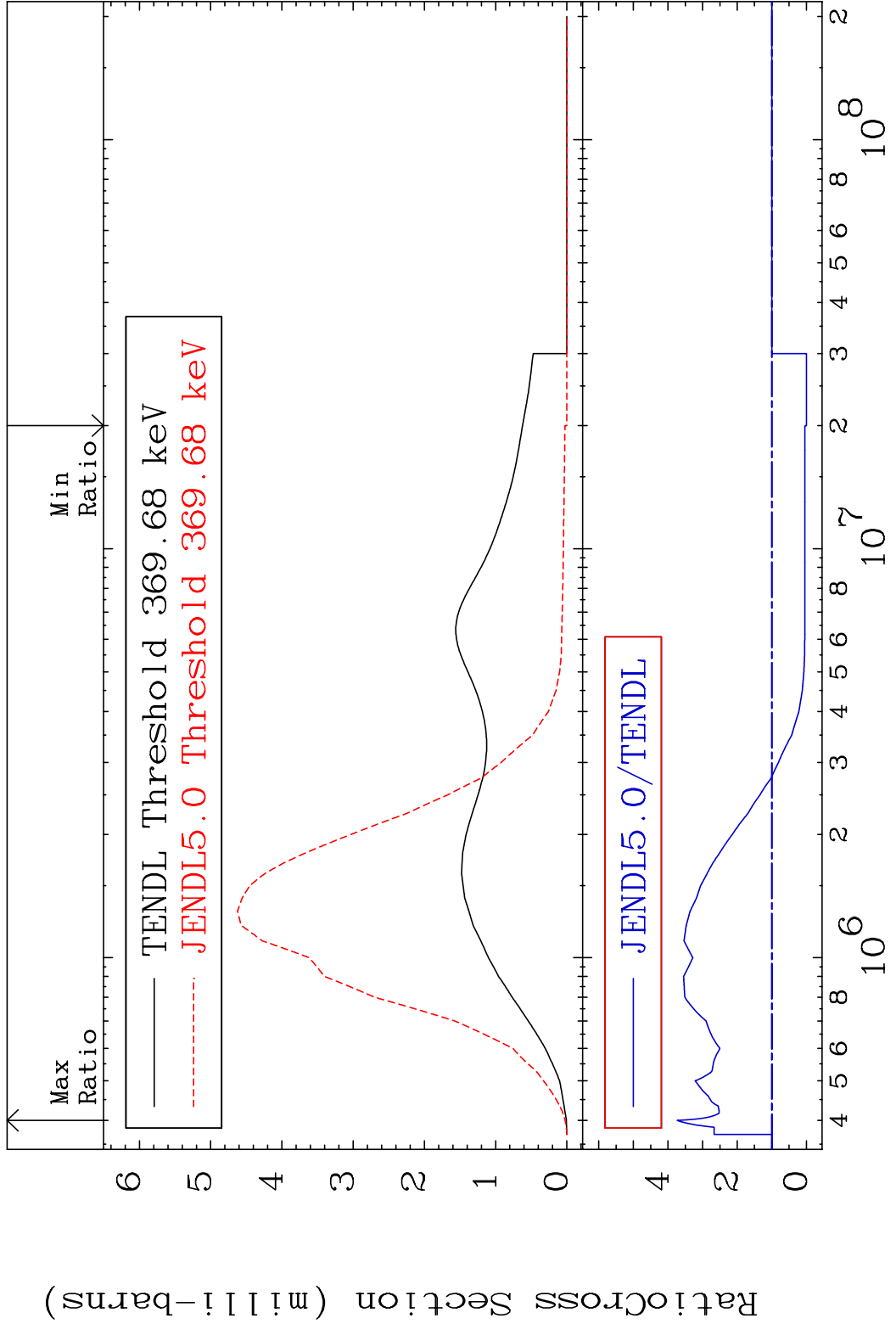
MAT 7122 MT= 61 (n, n') Level 71-Lu-174
 Cross Section -100.0 To 9999. %



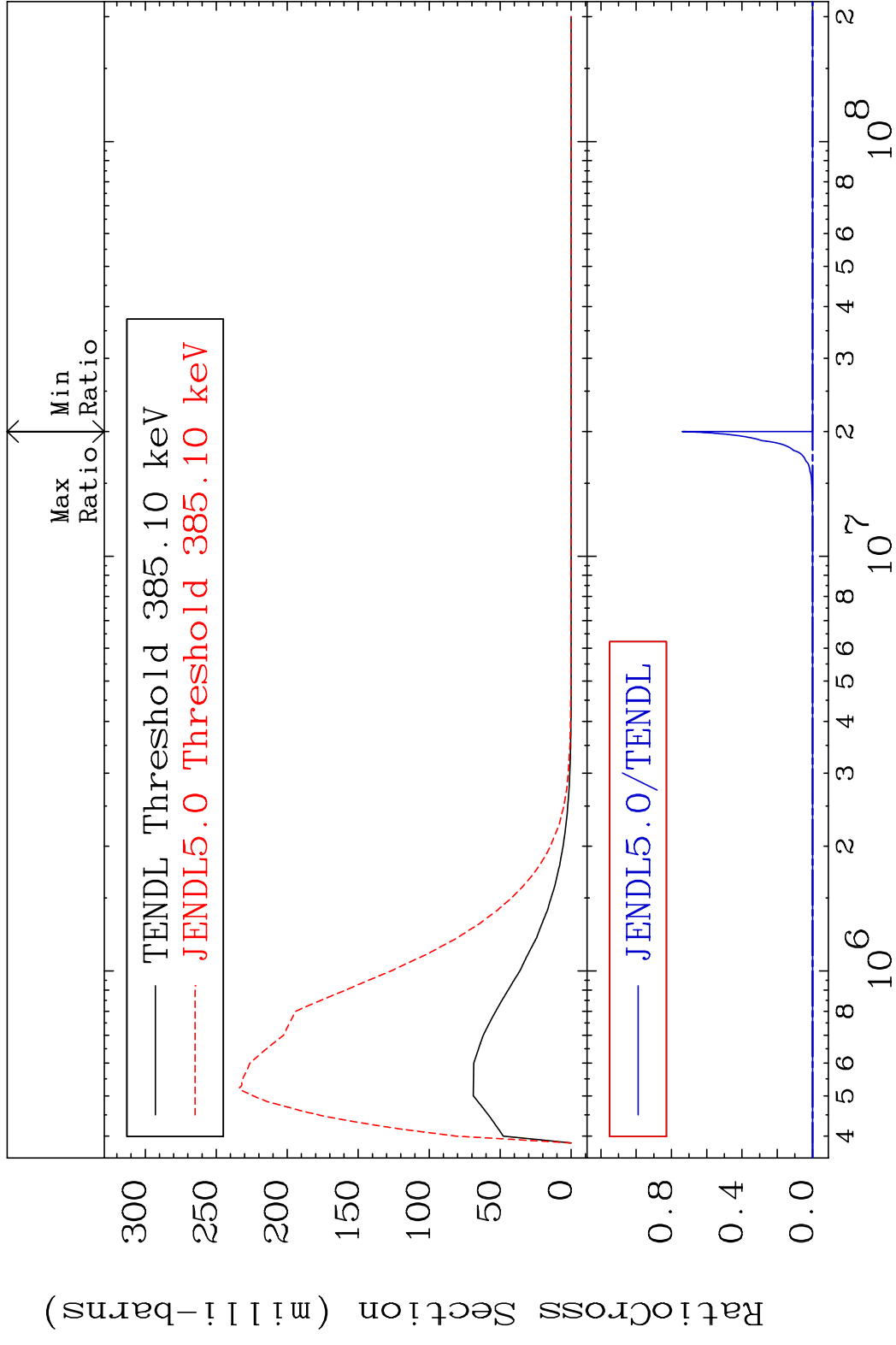
MAT 7122 MT= 62 (n, n') Level 71-Lu-174
 Cross Section -100.0 To 9999. %



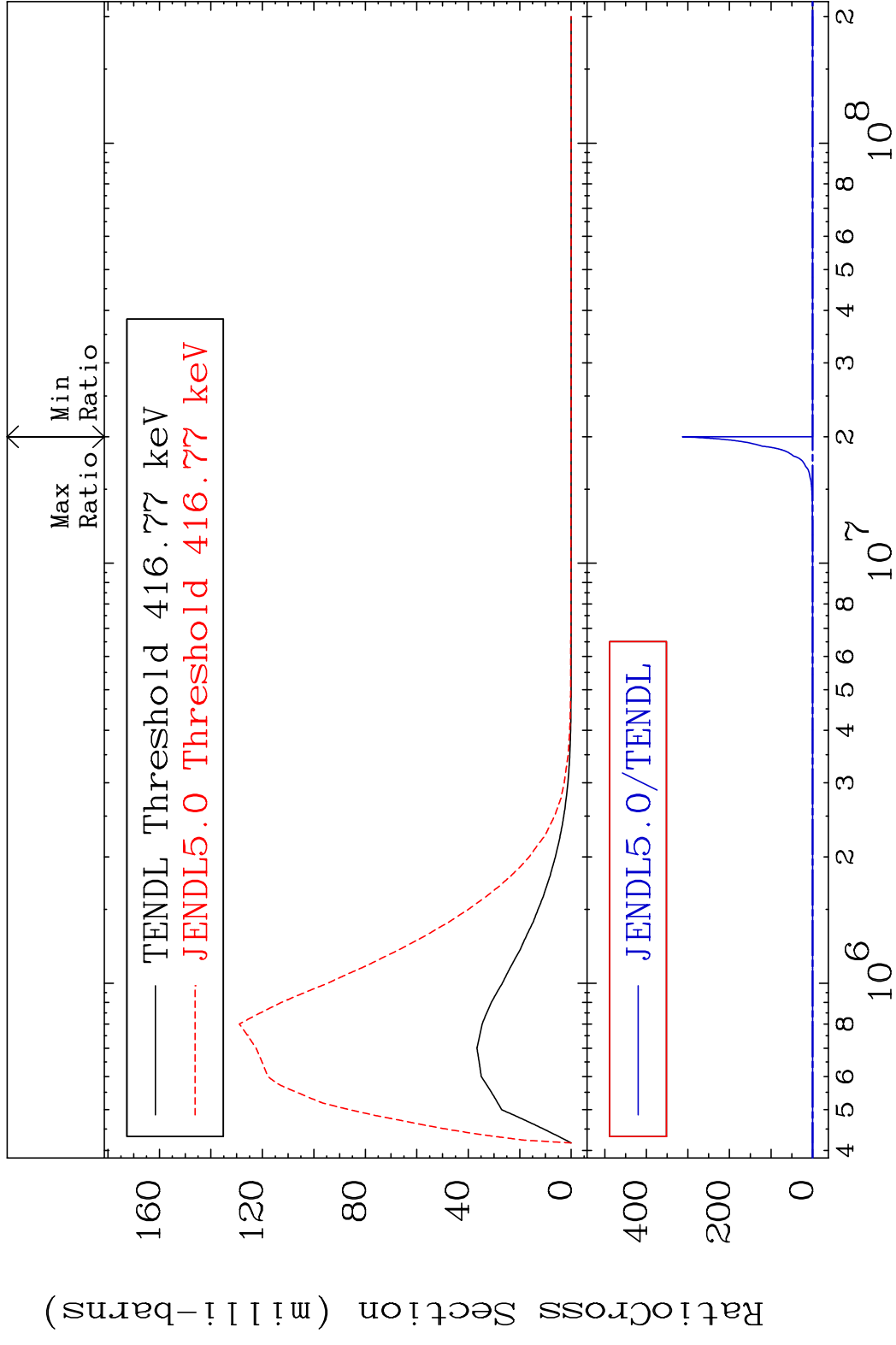
MAT 7122 MT= 63 (n, n') Level 71-Lu-174
 Cross Section -100.0 To 273.4 %



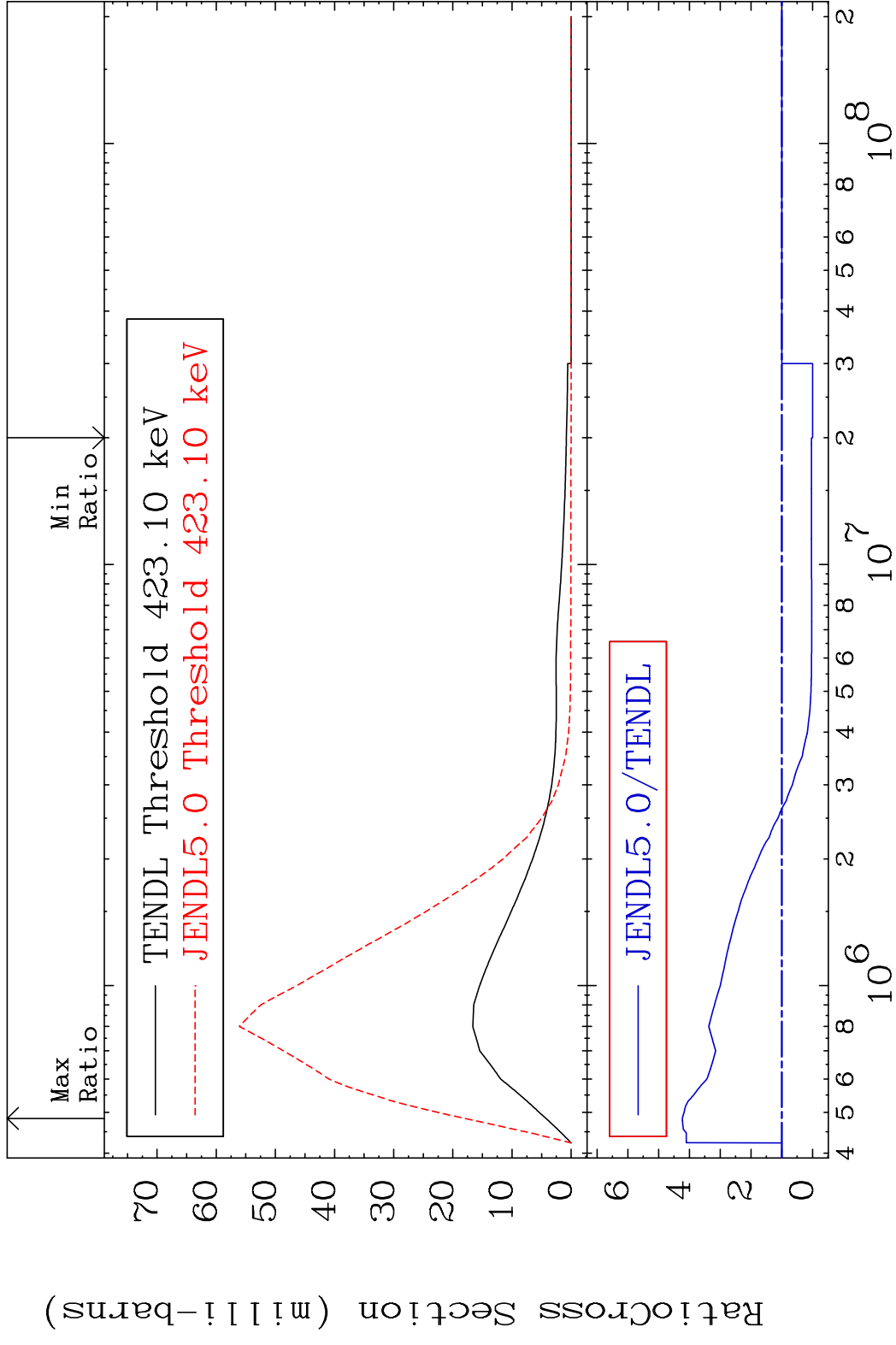
MAT 7122 MT= 64 (n, n') Level 71-Lu-174
 Cross Section -100.0 To 9999. %



MAT 7122 MT= 65 (n, n') Level 71-Lu-174
 Cross Section -100.0 To 9999. %



MAT 7122 MT= 66 (n, n') Level 71-Lu-174
 Cross Section -100.0 To 322.9 %

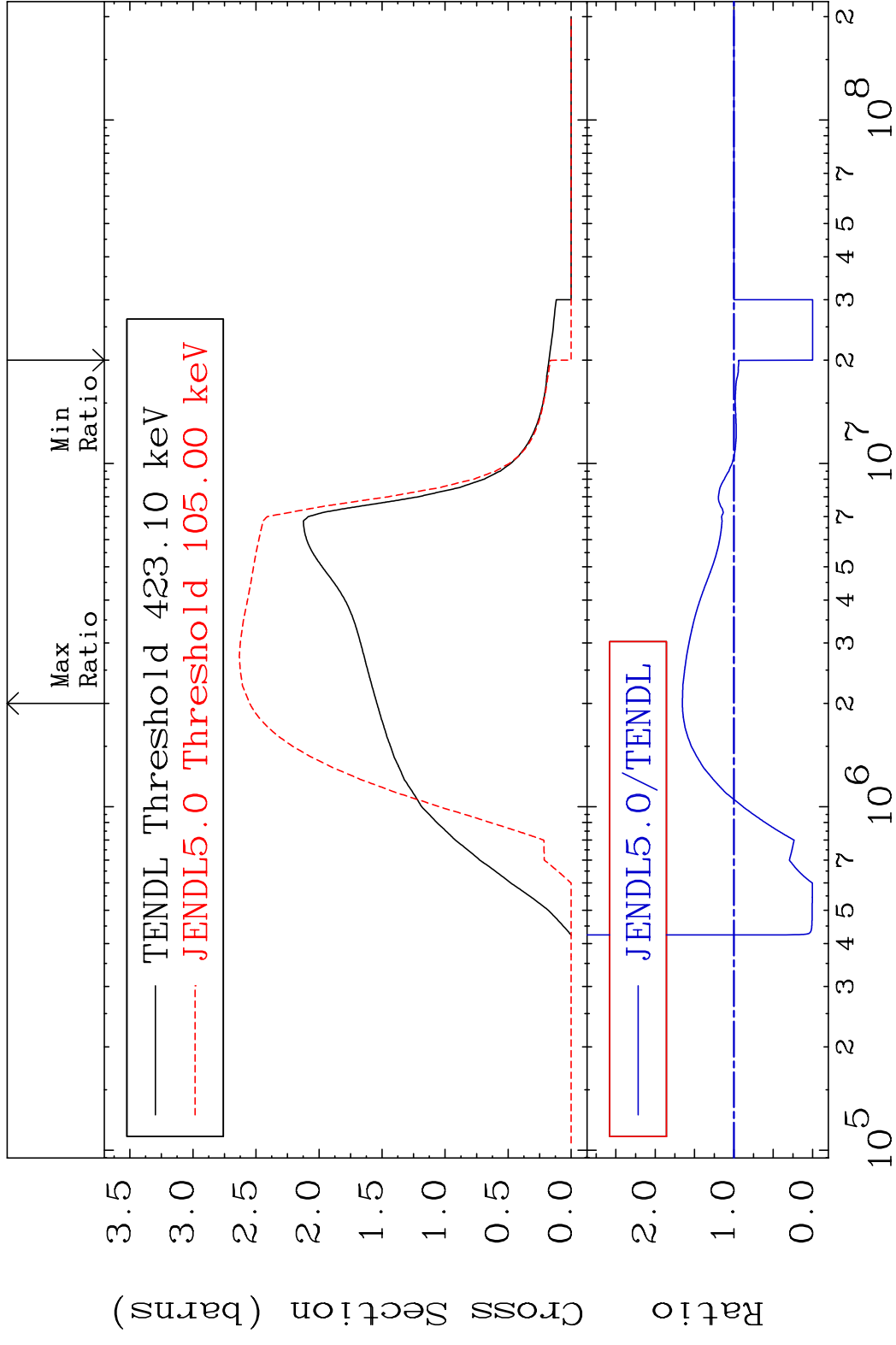


MAT 7122

(n, n') Continuum

71-Lu-174

Cross Section -100.0 To 65.51 %



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Incident Energy (eV)

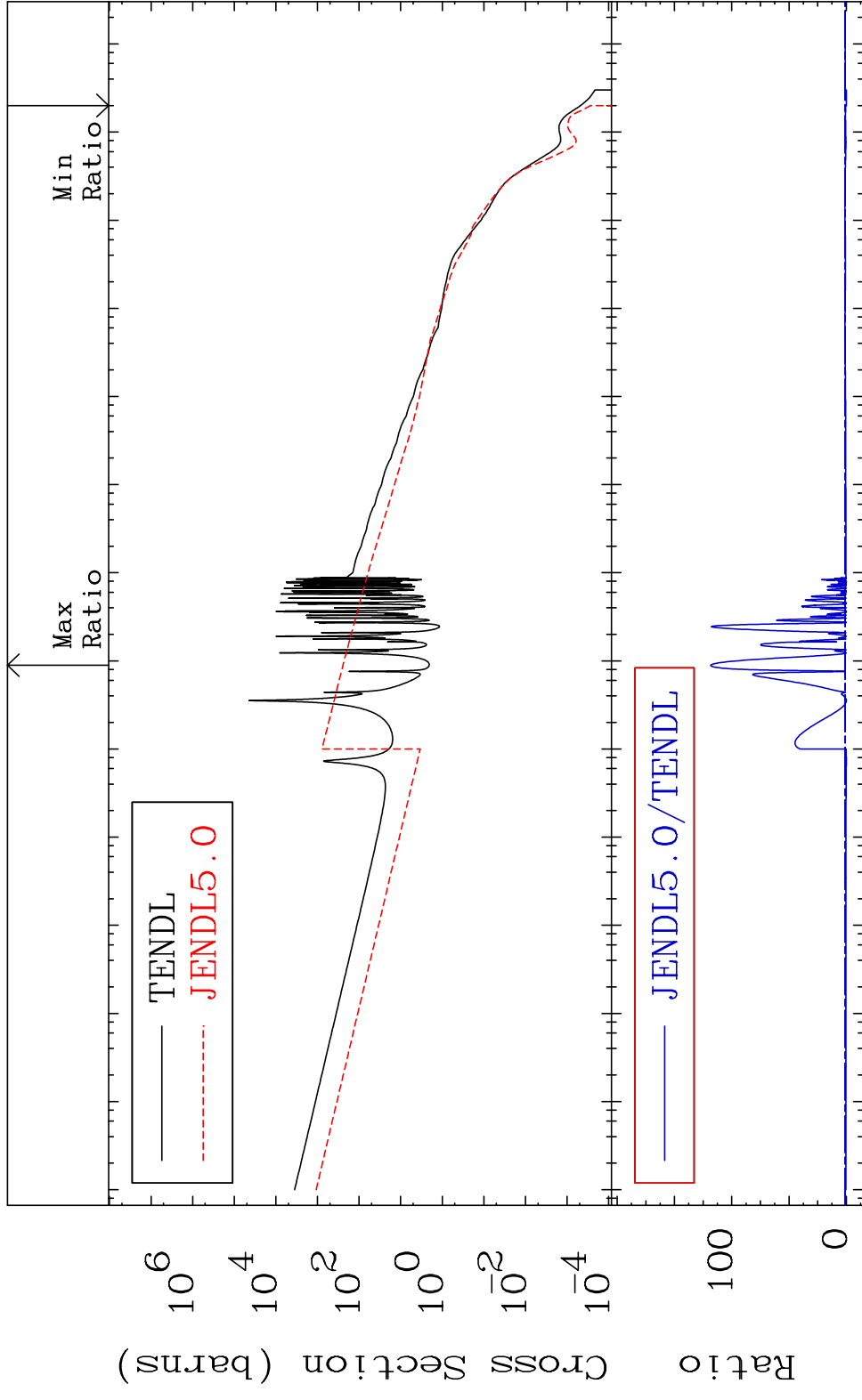
71-Lu-174

MAT 7122

71-Lu-174

(n, γ)

Cross Section -100.0 To 9999. %



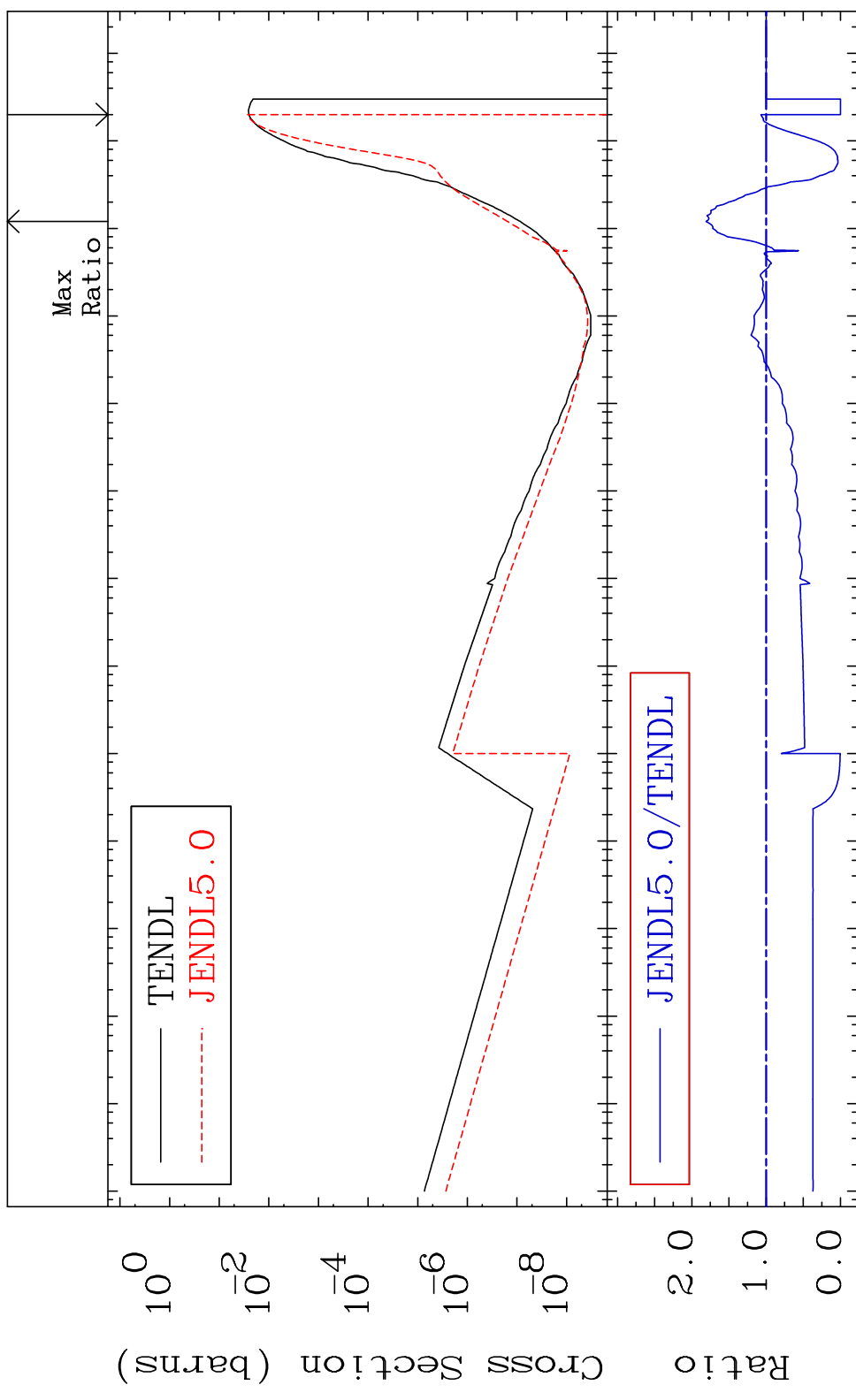
MAT 7122

(n, p)

71-Lu-174

Cross Section

-100.0 To 81.21 %

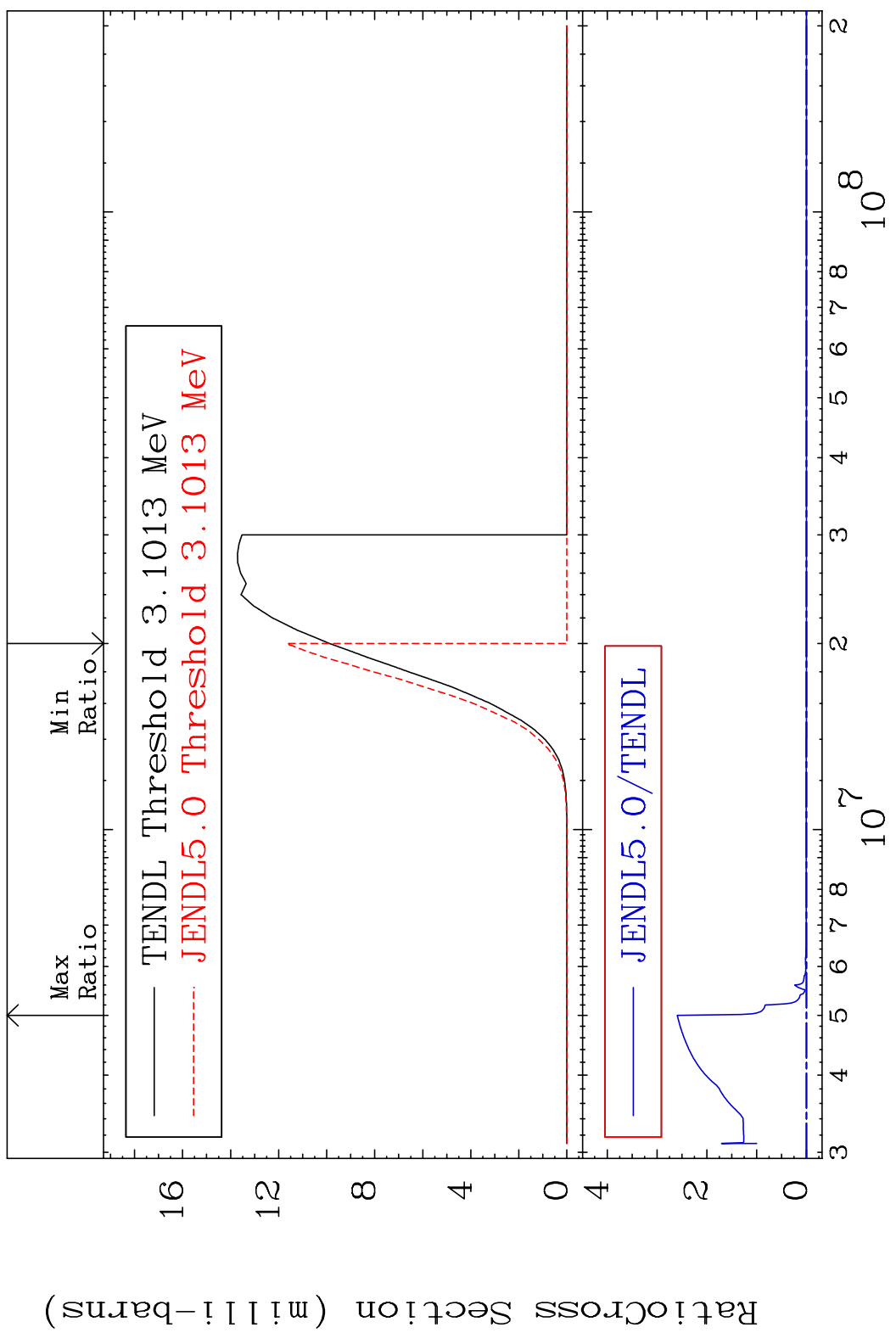


MAT 7122

(n,d)

71-Lu-174

Cross Section -100.0 To 9999. %

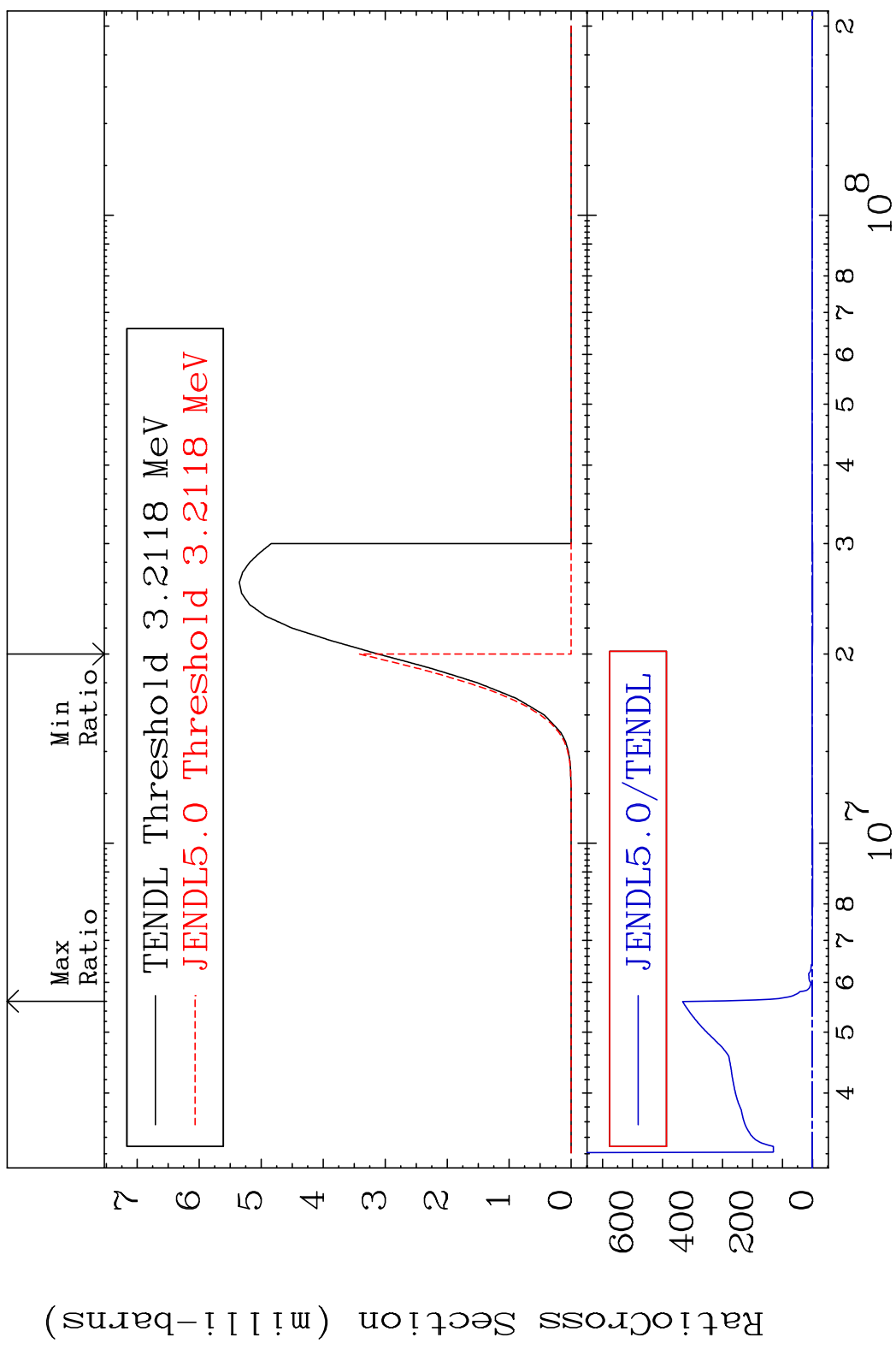


MAT 7122

(n, t)

71-Lu-174

Cross Section -100.0 To 9999. %

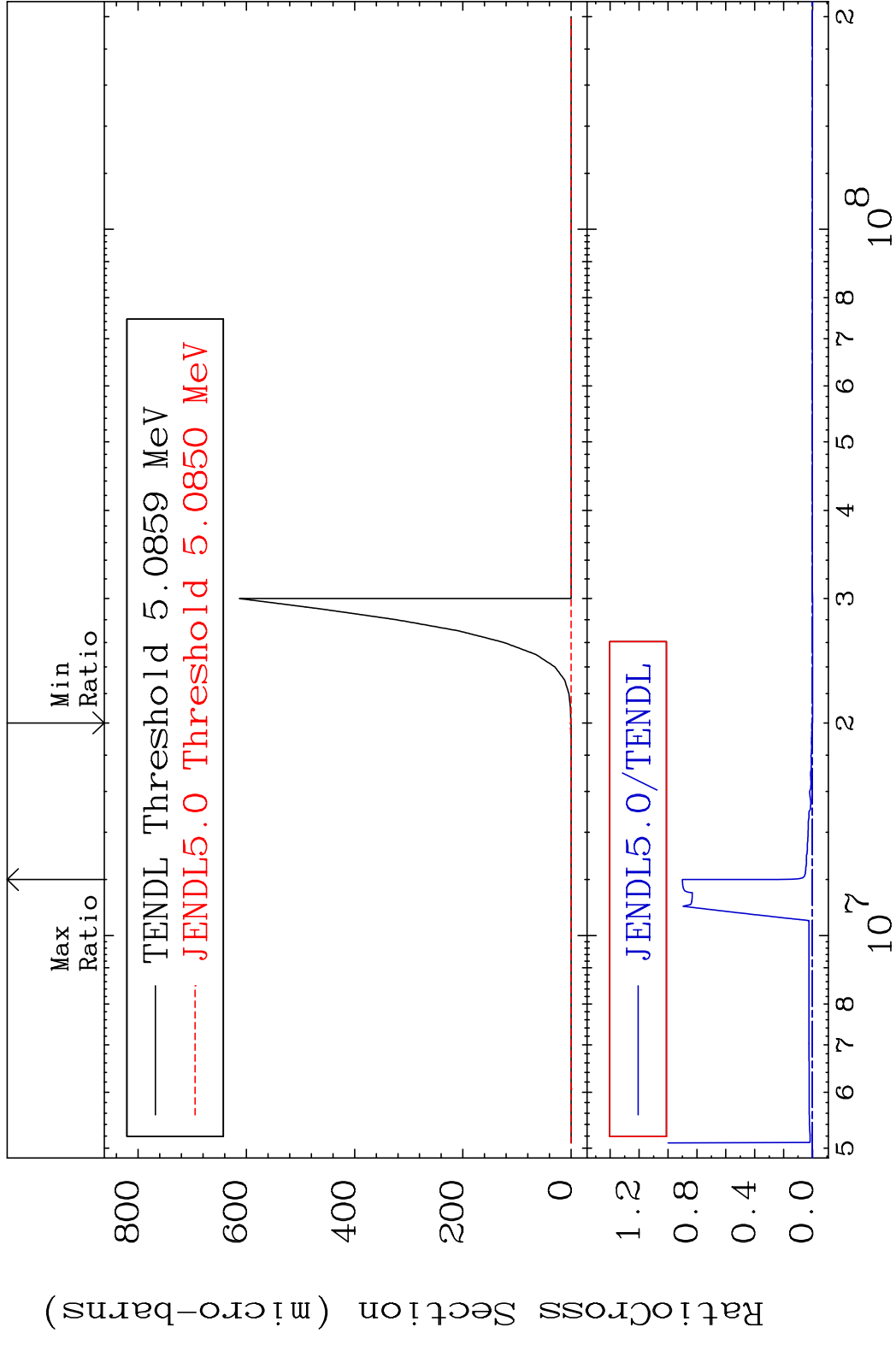


MAT 7122

(n, He-3)

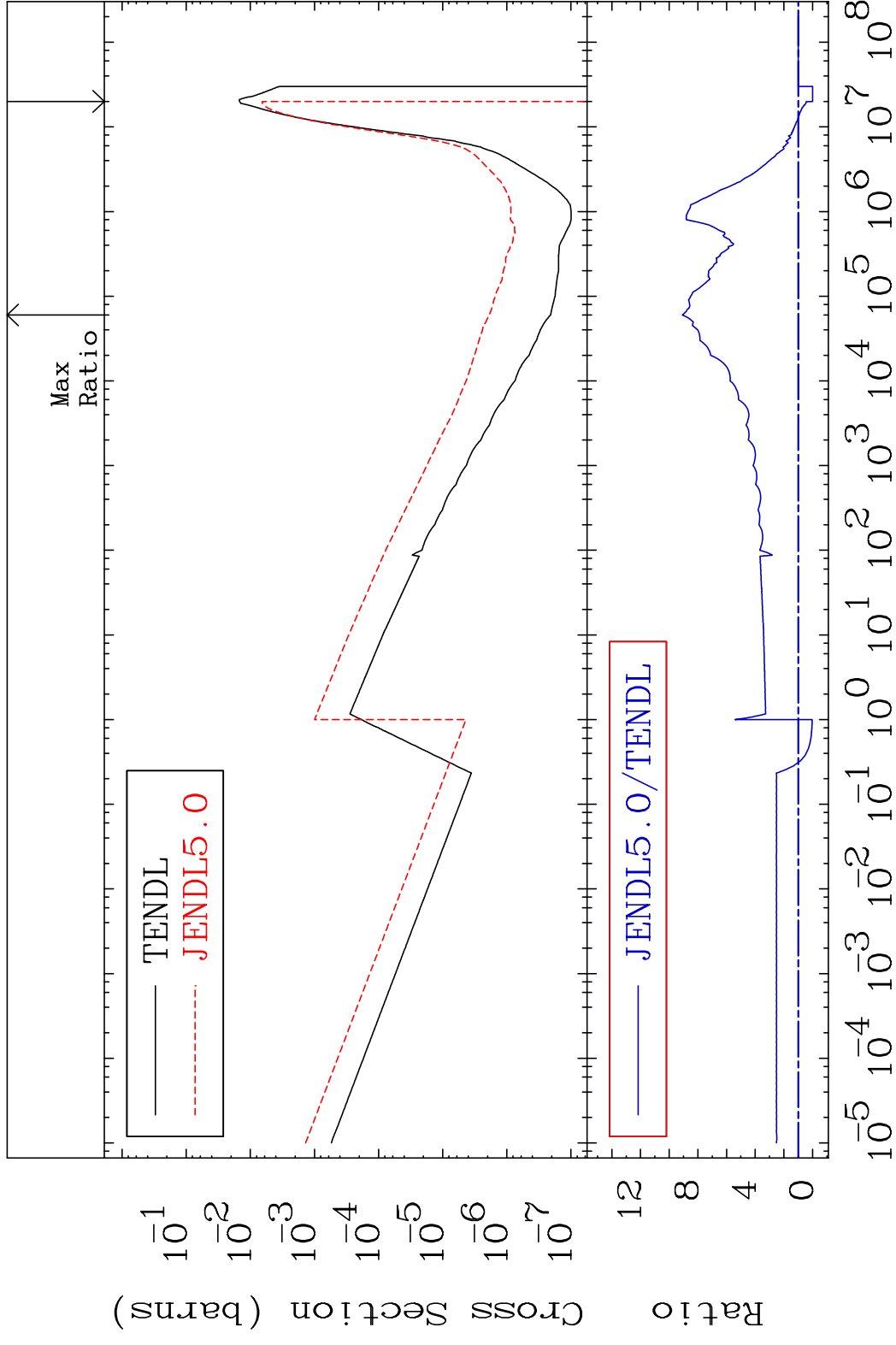
71-Lu-174

Cross Section -100.0 To 9999. %



MAT 7122

(n, α)
Cross Section -100.0 To 808.2 %
71-Lu-174

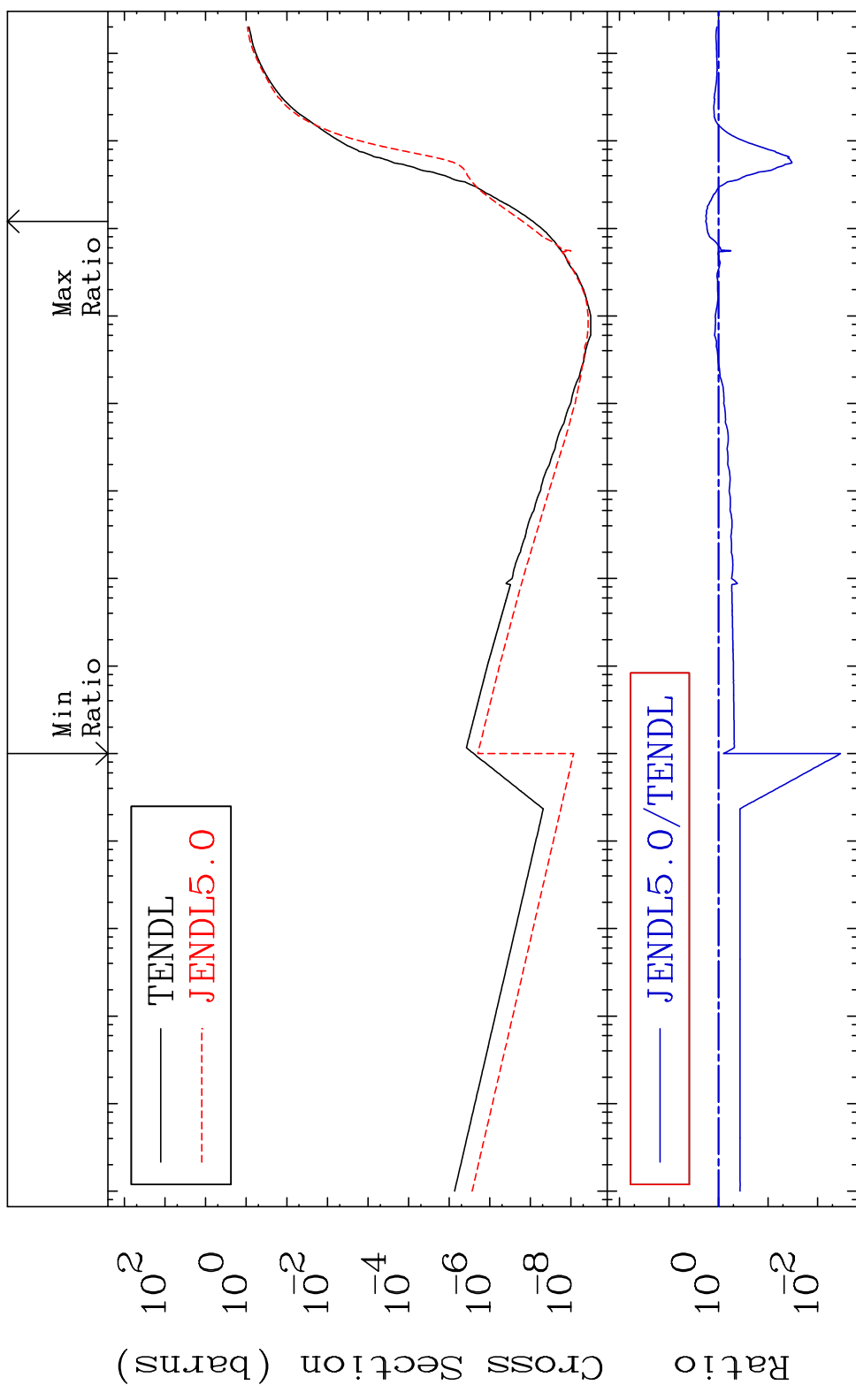


MAT 7122

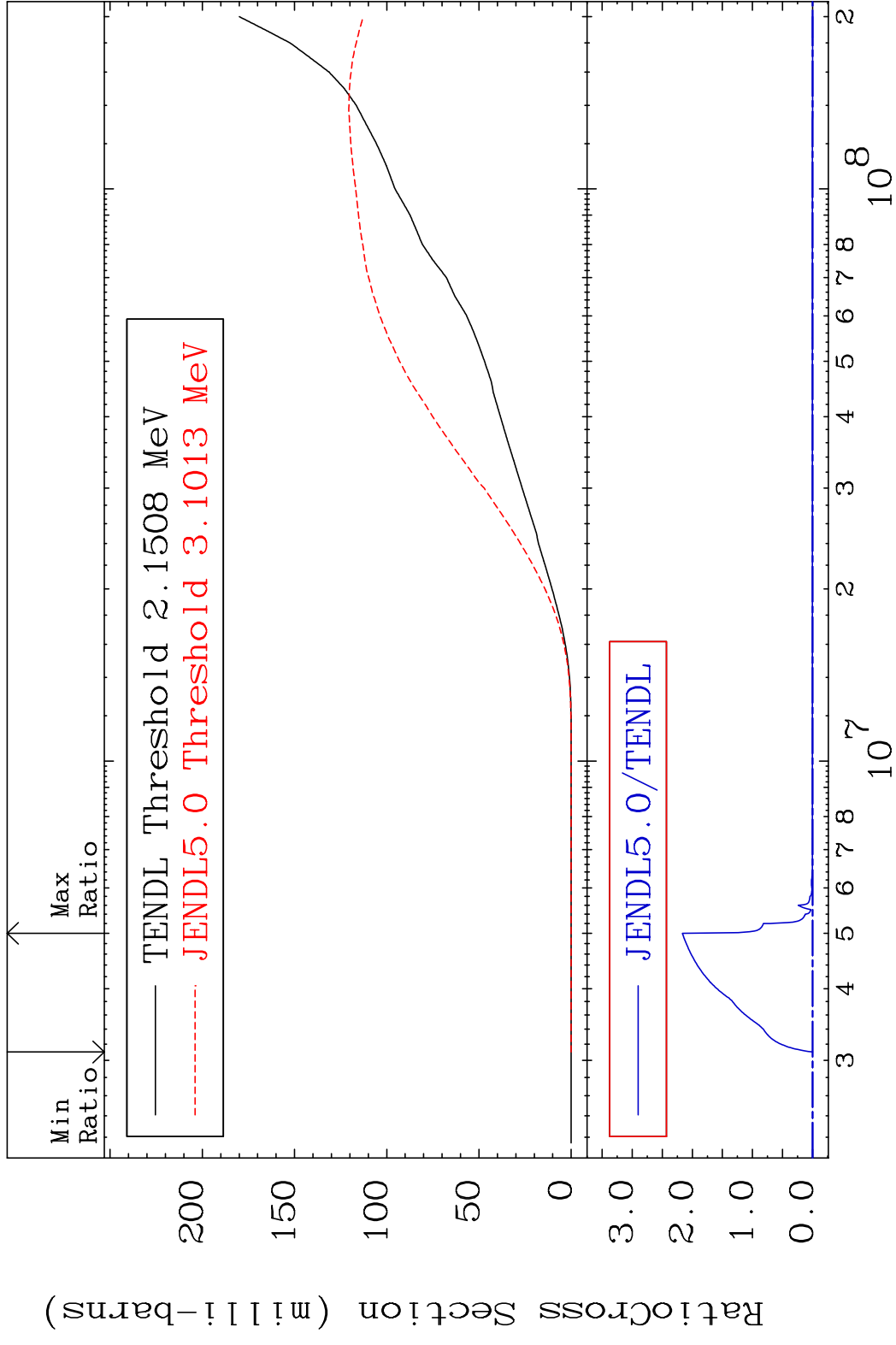
Hydrogen Production

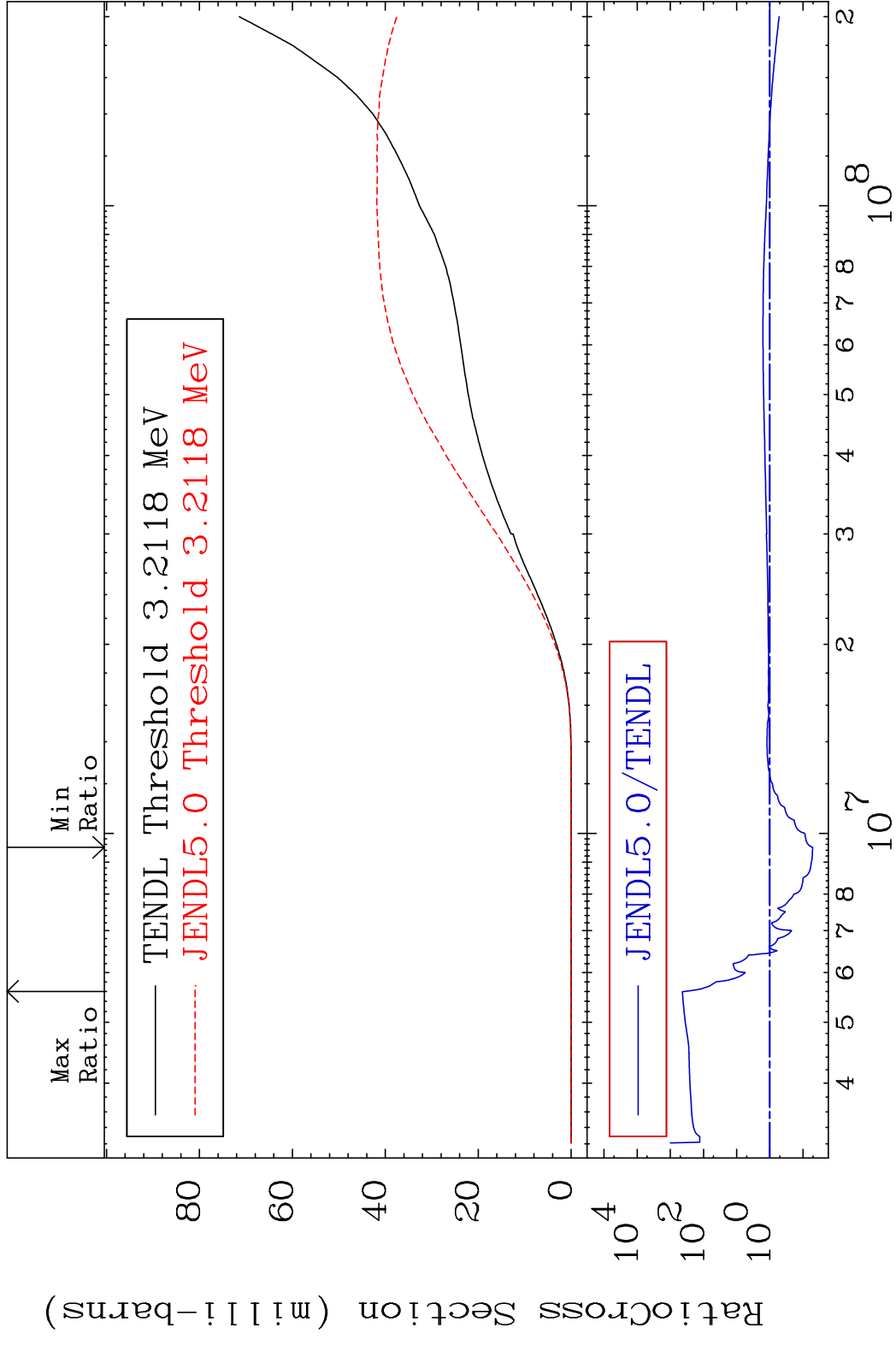
71-Lu-174

Cross Section -99.65 To 81.21 %



MAT 7122 Deuterium Production 71-Lu-174
 Cross Section -100.0 To 9999. %



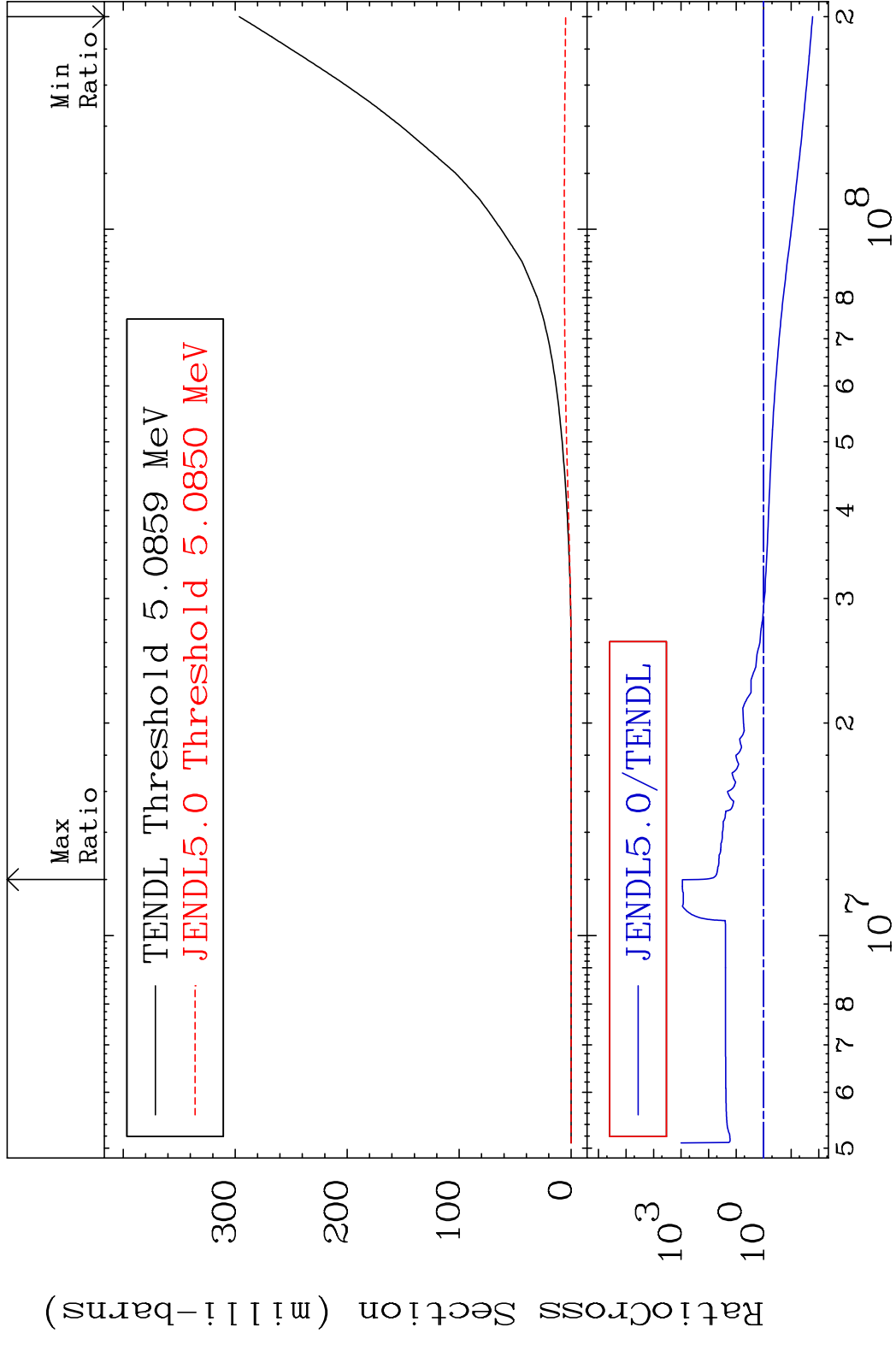


MAT 7122

He-3 Production

71-Lu-174

Cross Section -98.32 To 9999. %



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Incident Energy (eV)

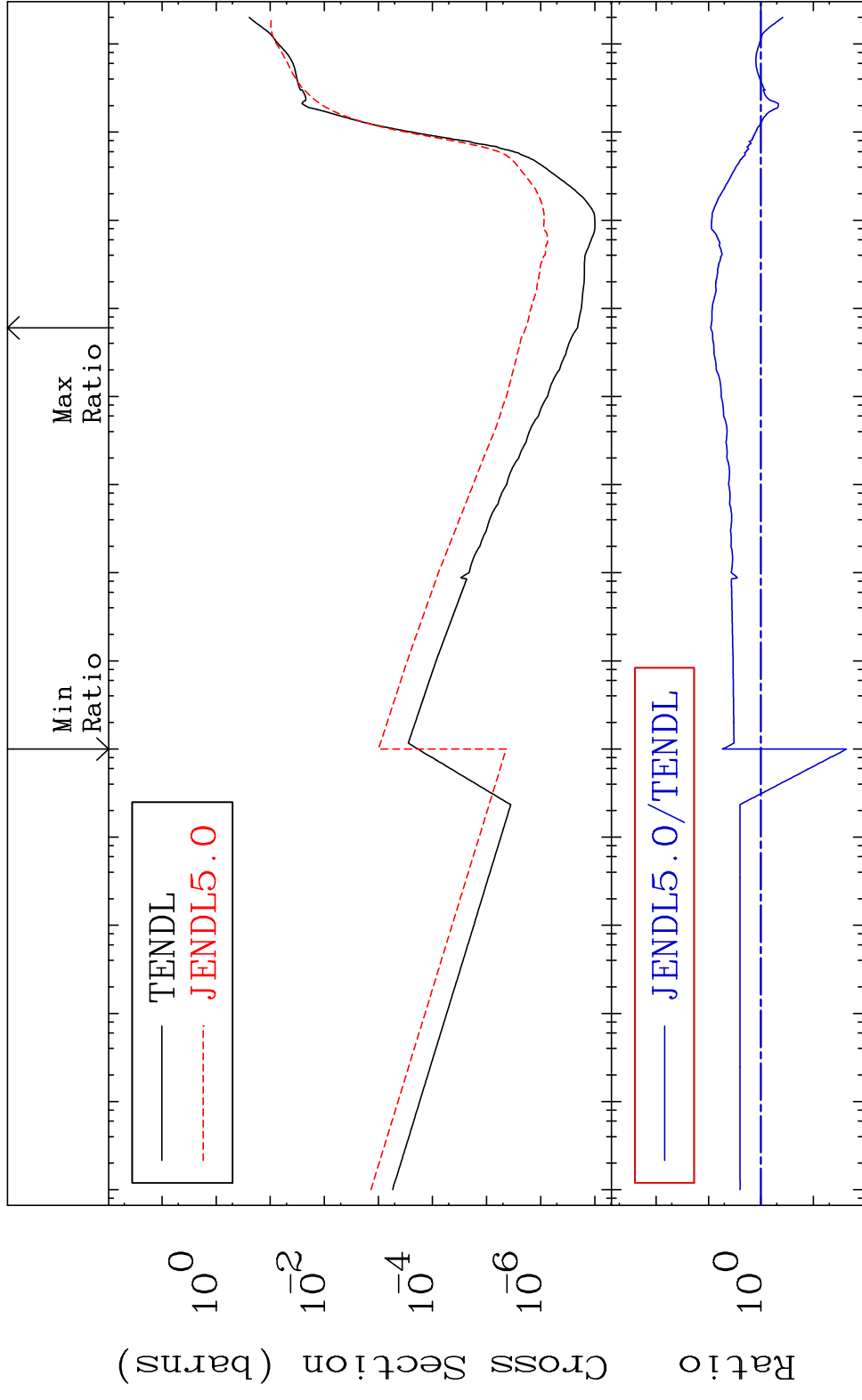
71-Lu-174

MAT 7122

He-4 Production

71-Lu-174

Cross Section -97.64 To 808.2 %

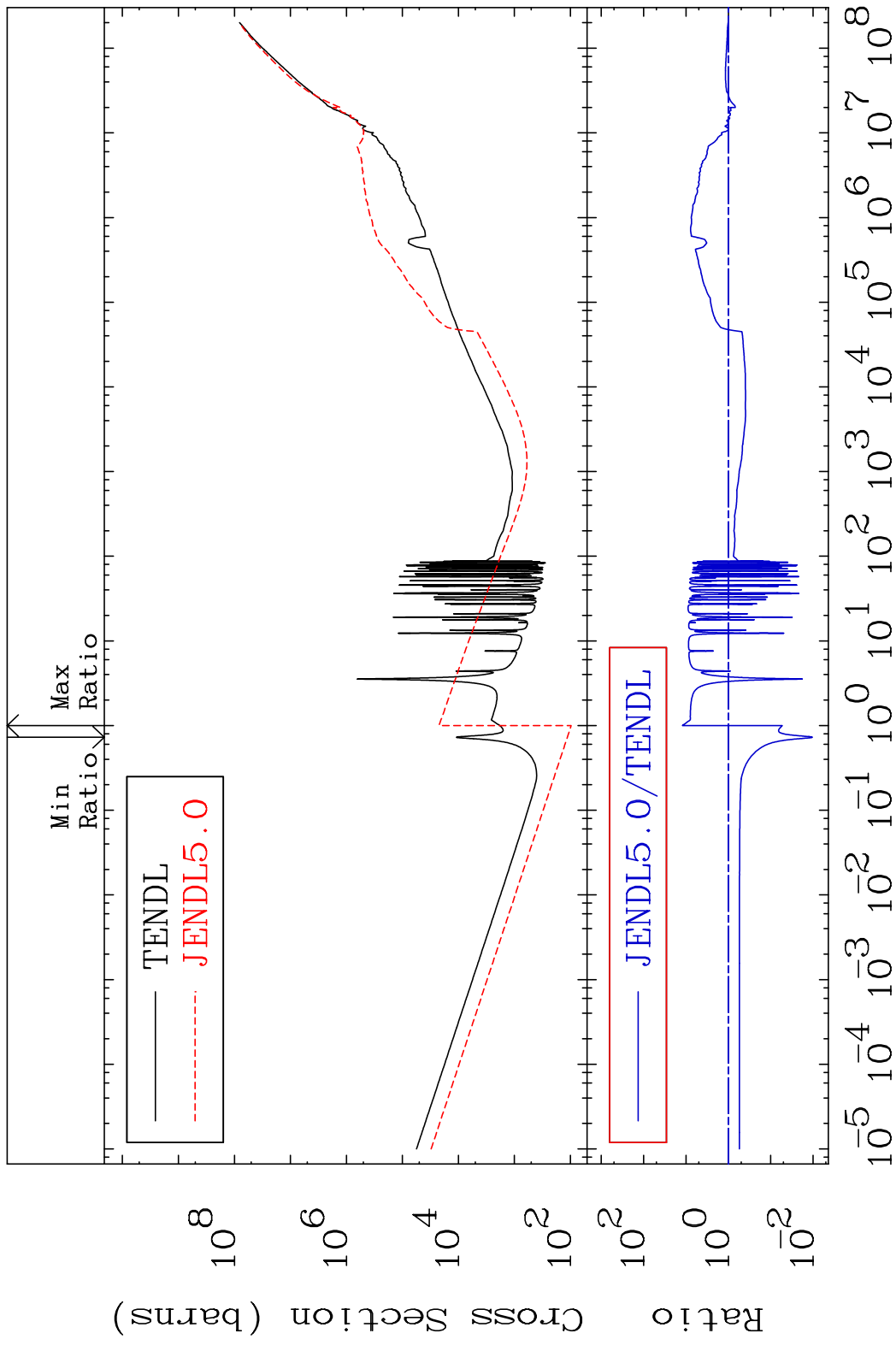


40

Incident Energy (eV)

71-Lu-174

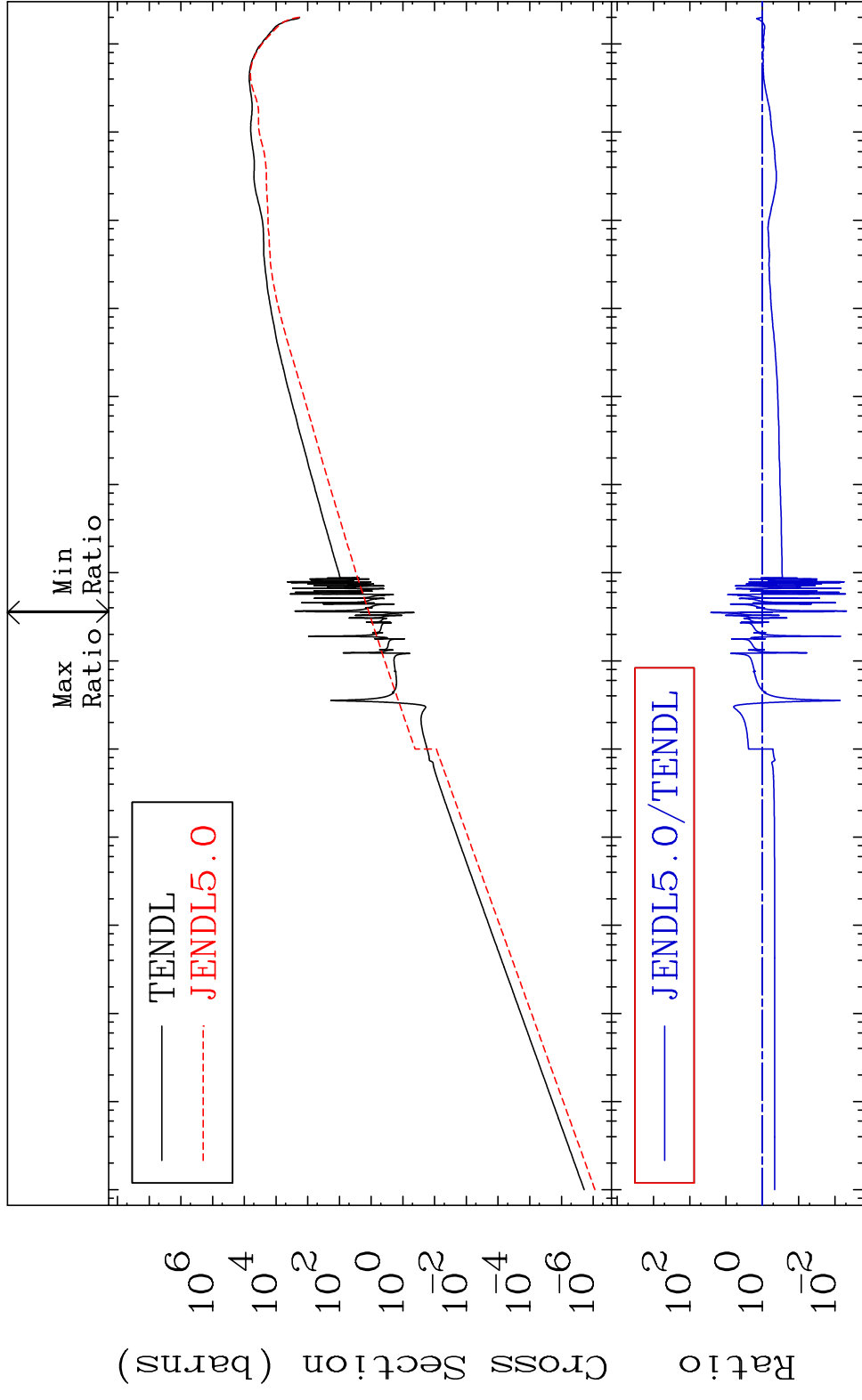
MAT 7122 Kerma total (eV-barns) 71-Lu-174
 Cross Section -98.97 To 1119. %



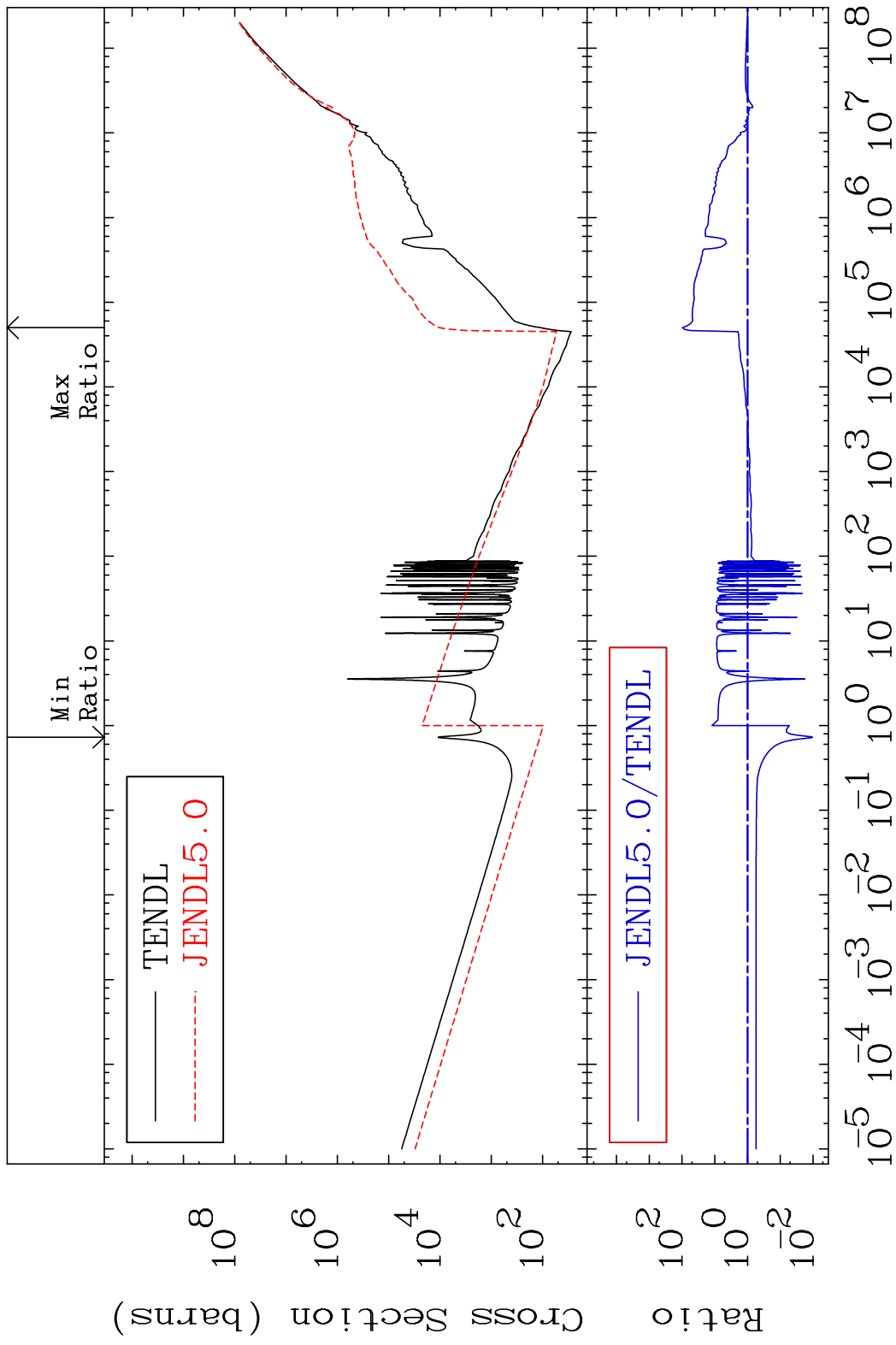
MAT 7122

Kerma elastic
Cross Section -99.52 To 2550. %

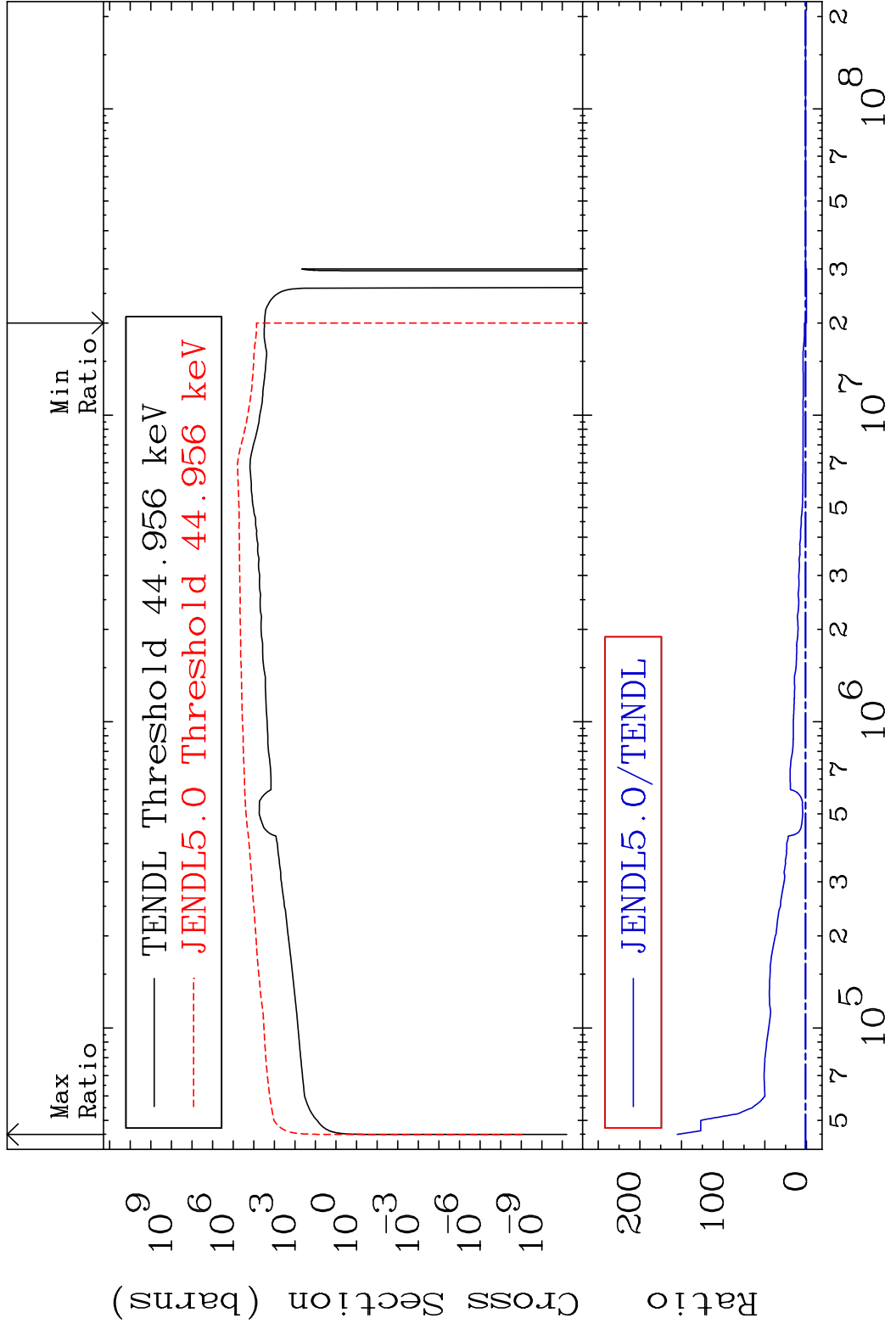
71-Lu-174



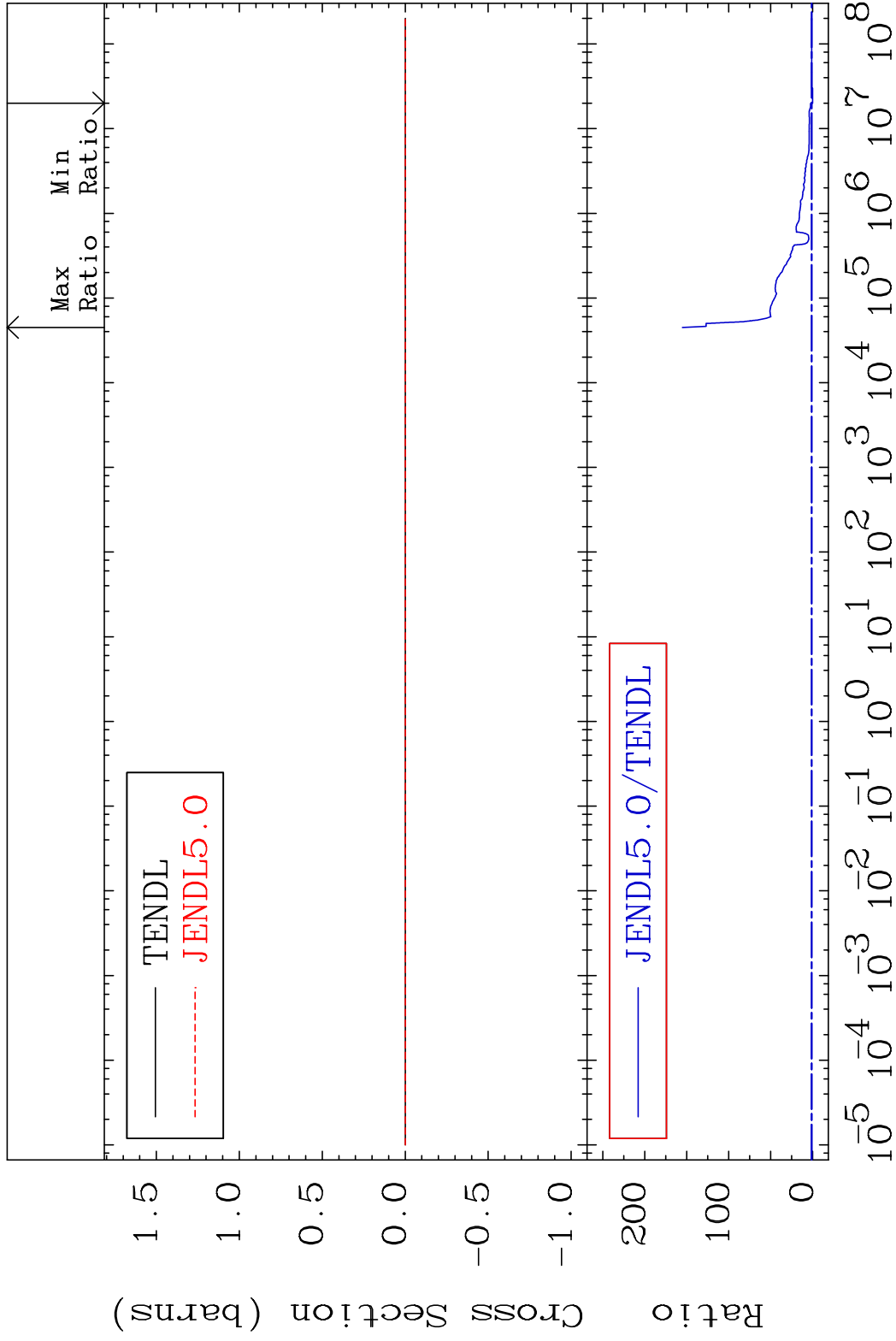
MAT 7122 Kerma non-elastic (all but mt2) 71-Lu-174
 Cross Section -98.97 To 9679. %



MAT 7122 Kerma inelastic (mt51-91) 71-Lu-174
 Cross Section -100.0 To 9999. %



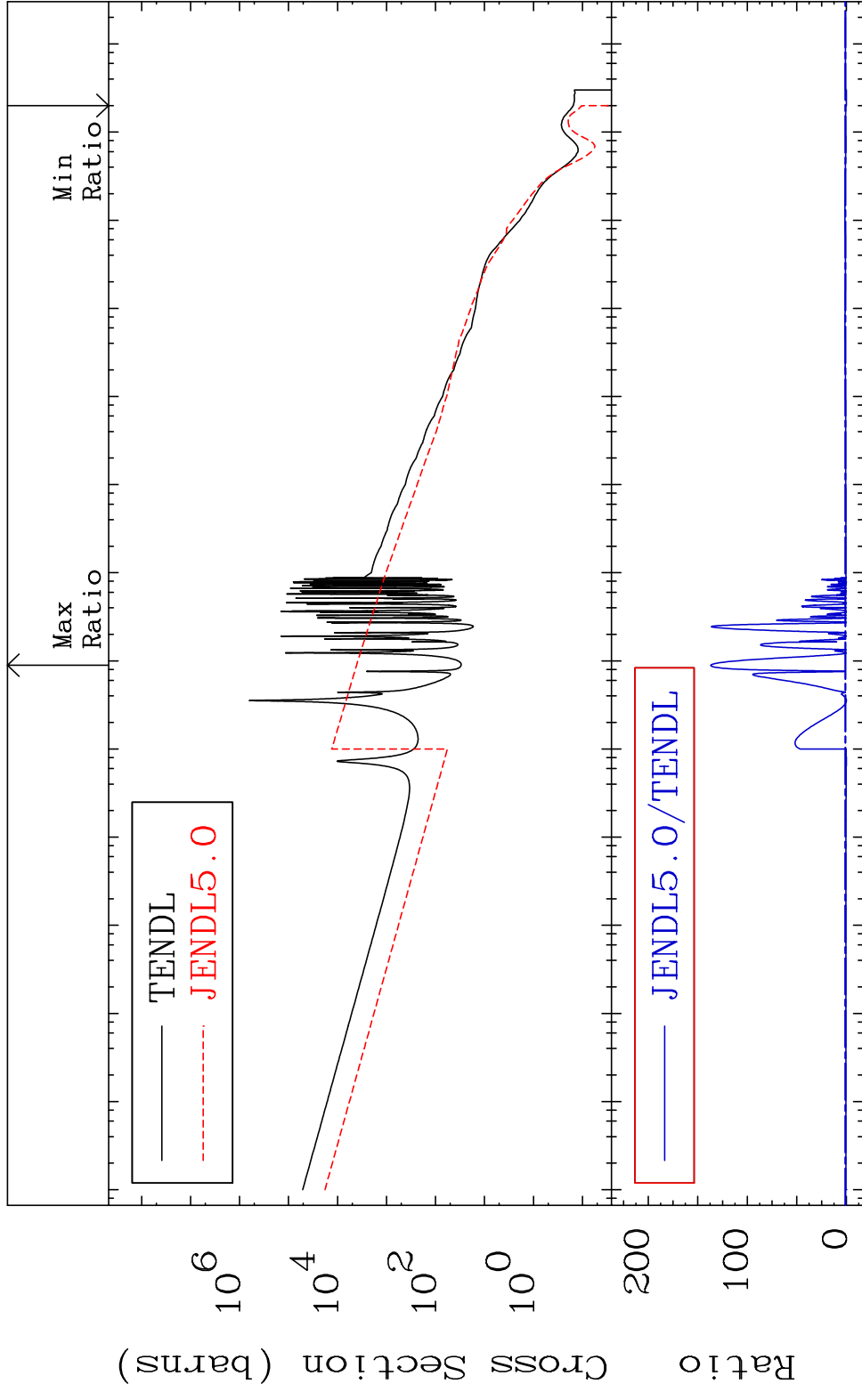
MAT 7122 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-174
 Cross Section -100.0 To 9999. %



MAT 7122

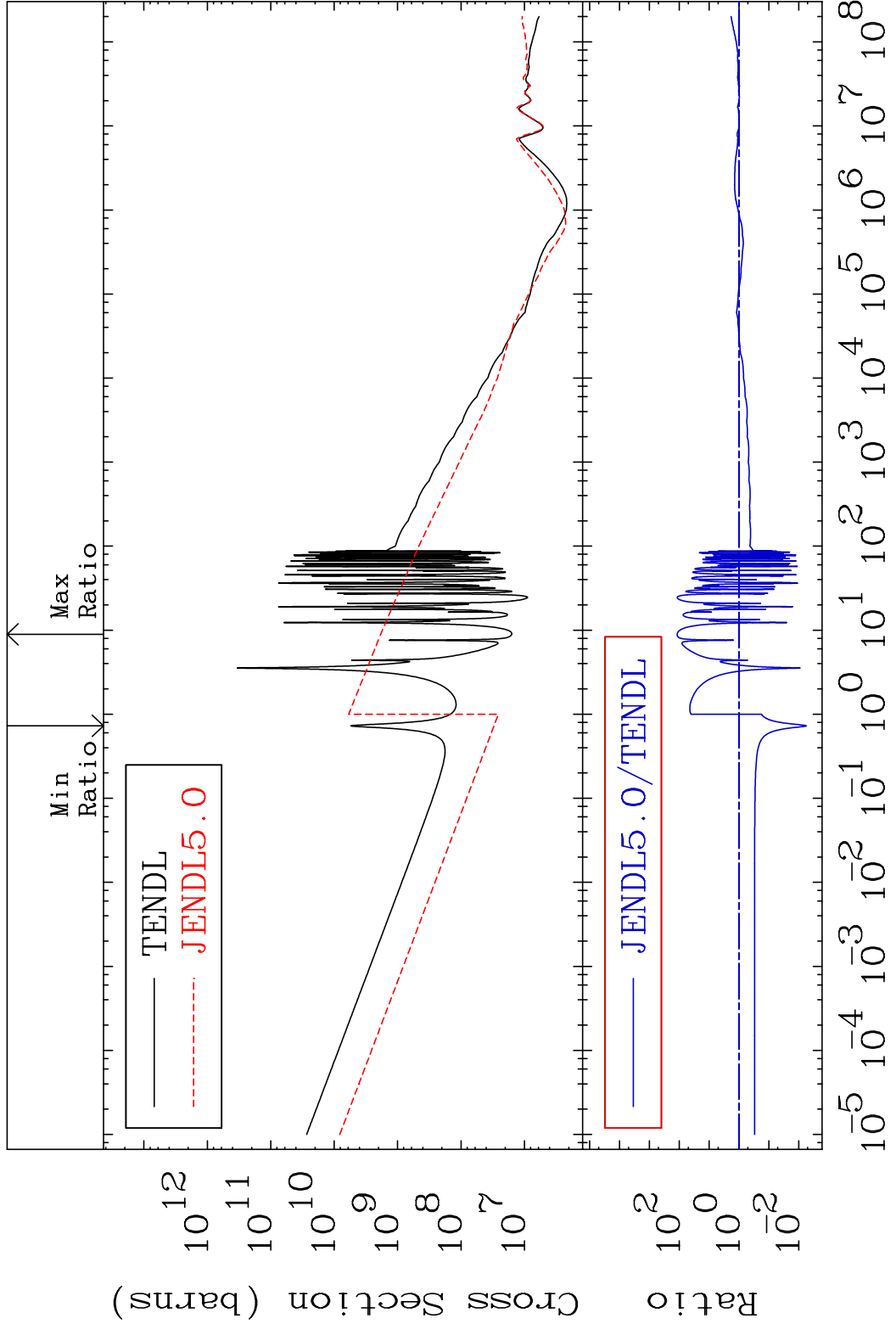
Kerma capture (mt102) 71-Lu-174

Cross Section -100.0 To 9999. %

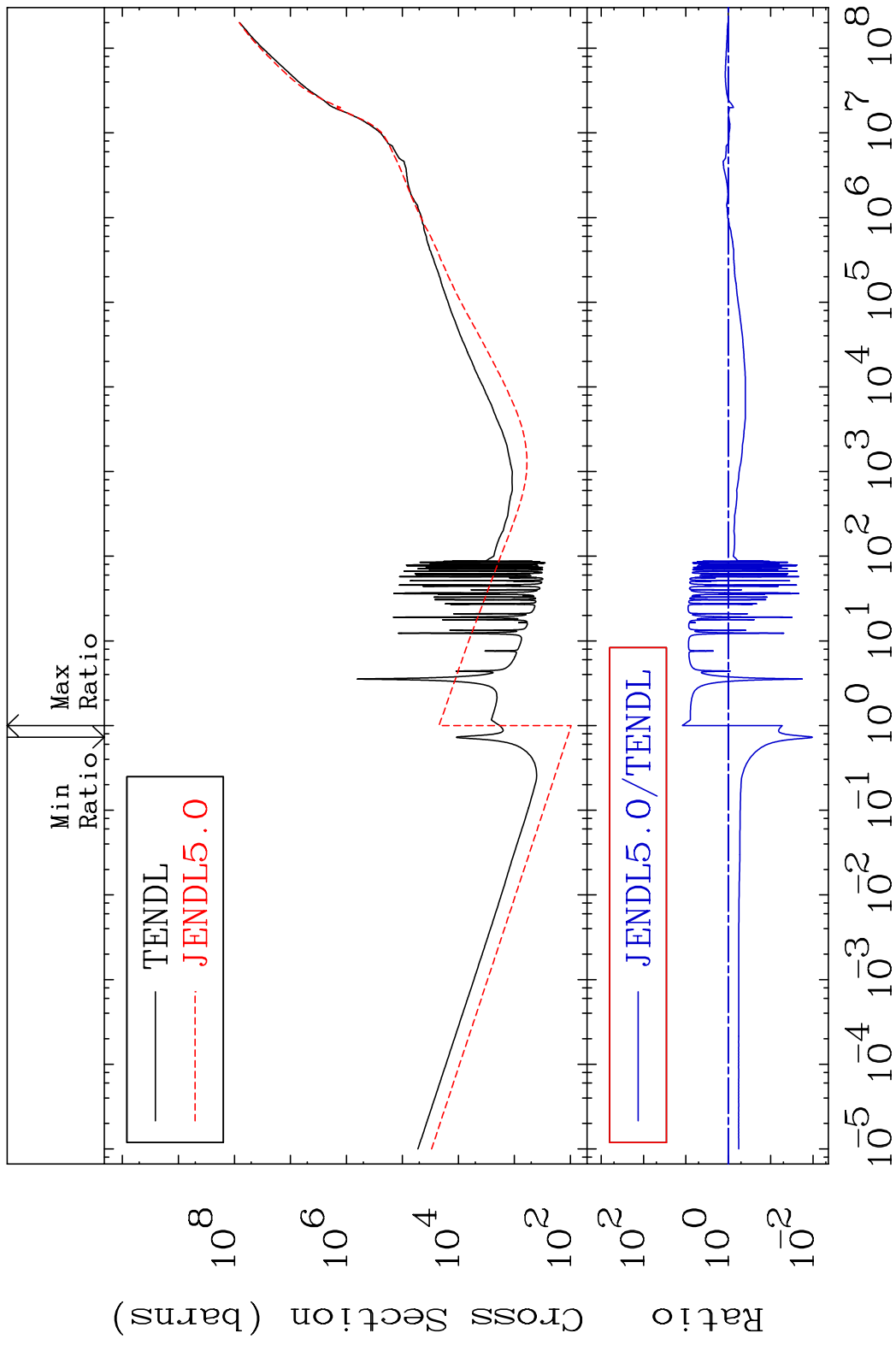


MAT 7122

Total photon (eV-barns) 71-Lu-174
Cross Section -99.45 To 9999. %



MAT 7122 Total kinematic kerma (high limit) 71-Lu-174
 Cross Section -98.98 To 1113. %

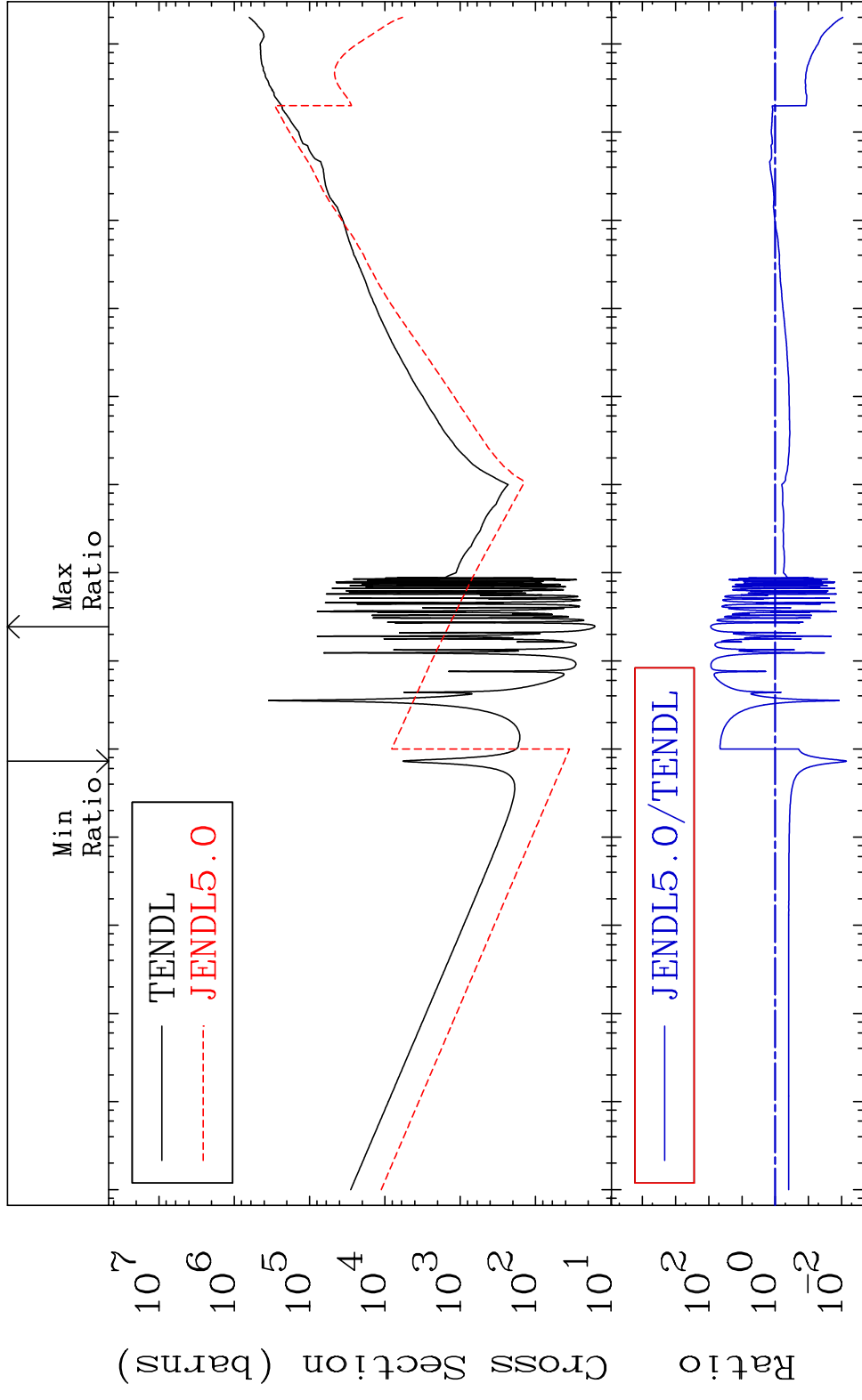


MAT 7122

Dpa total (eV-barns)

71-Lu-174

Cross Section -99.28 To 8680. %

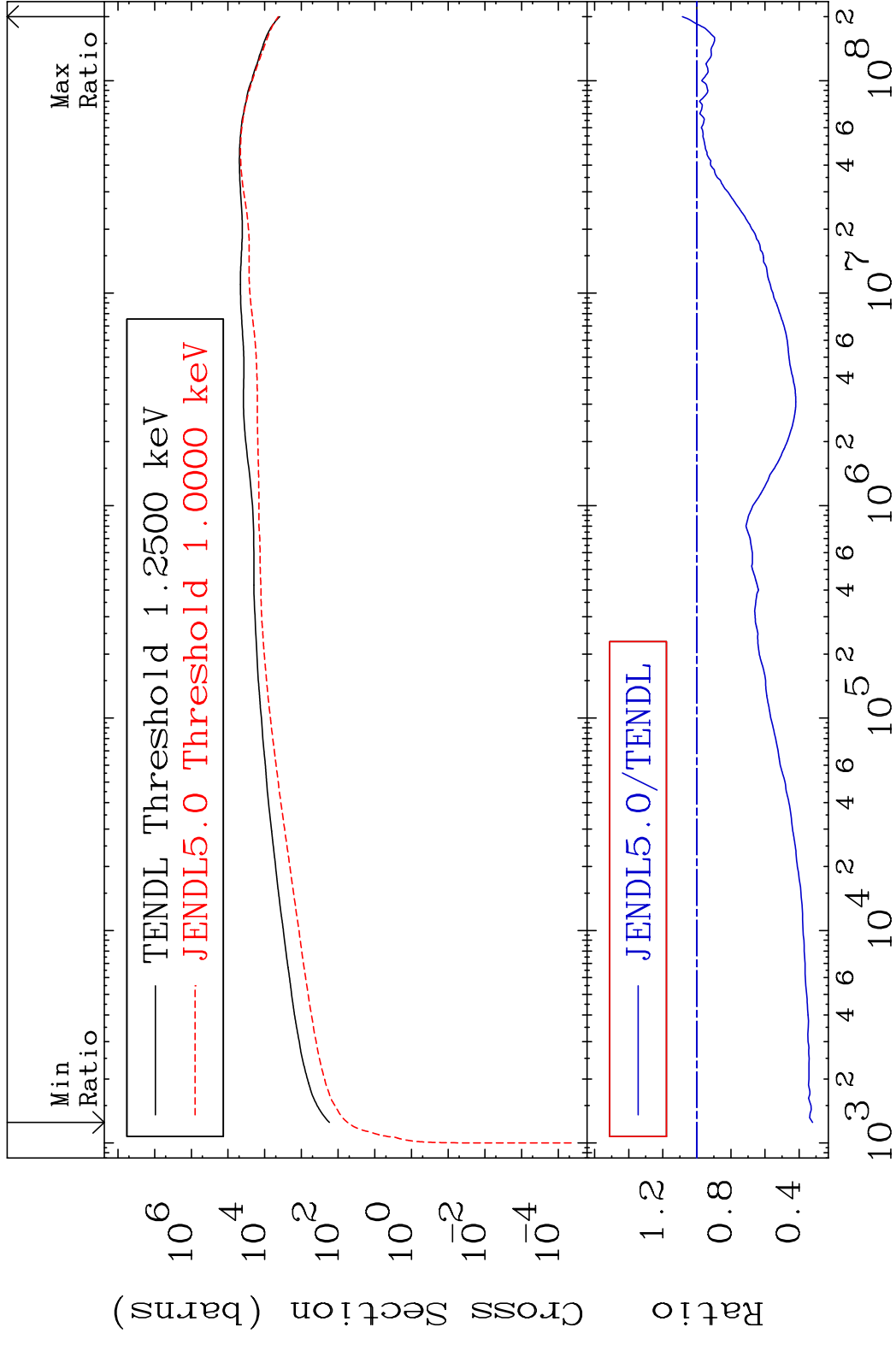


MAT 7122

Dpa elastic (mt2)

71-Lu-174

Cross Section -67.92 To 8.519 %

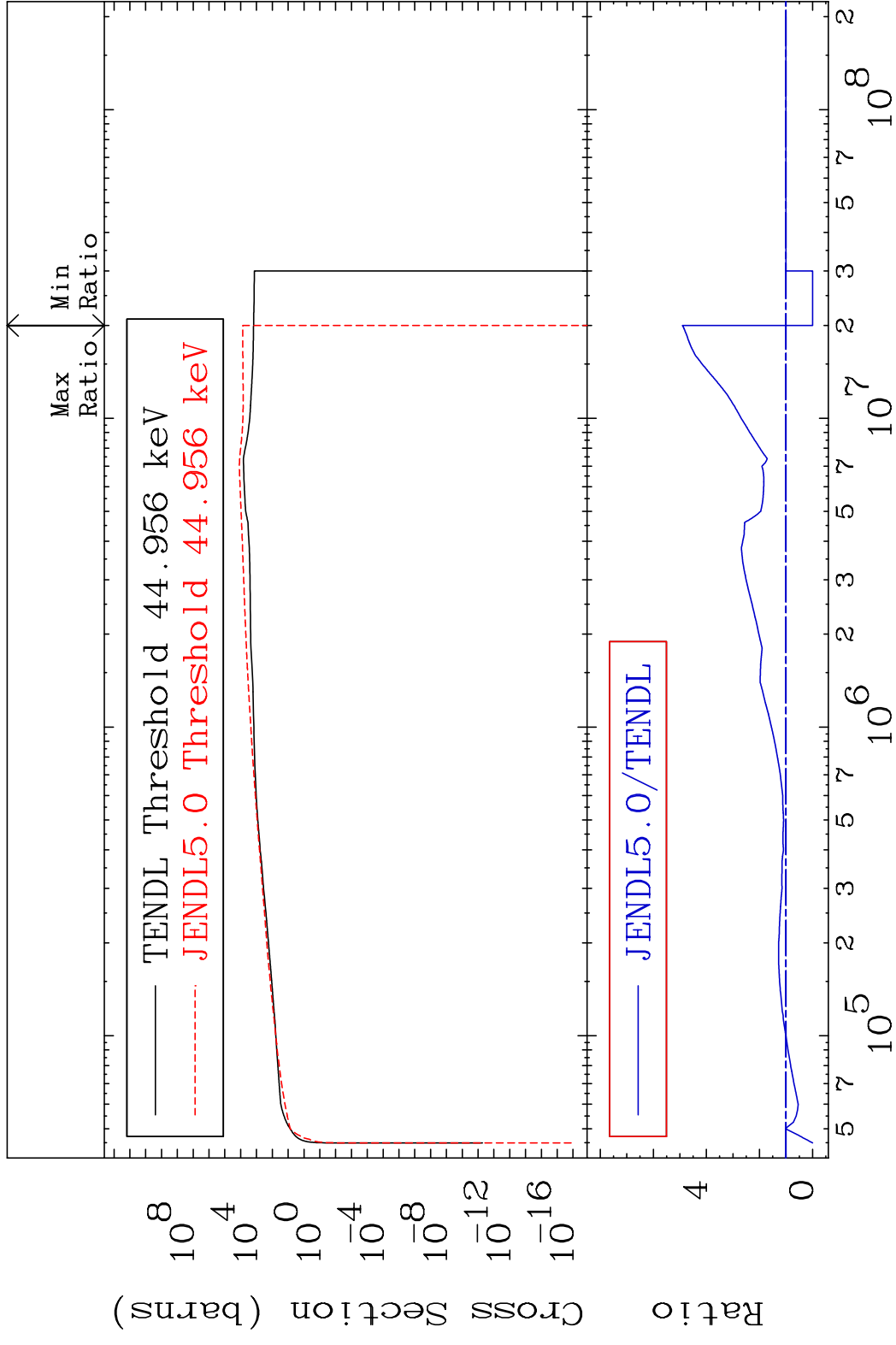


50

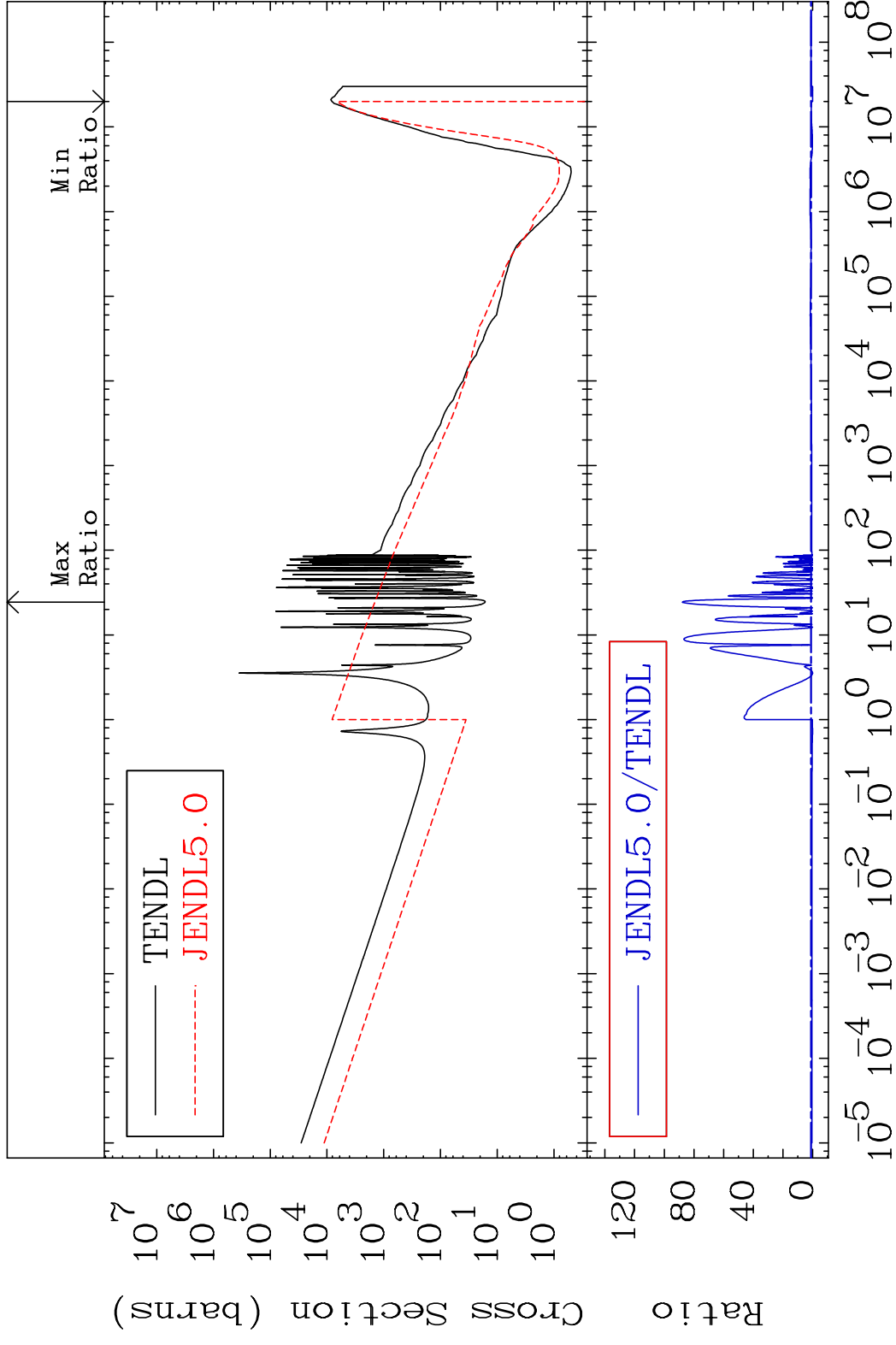
Incident Energy (eV)

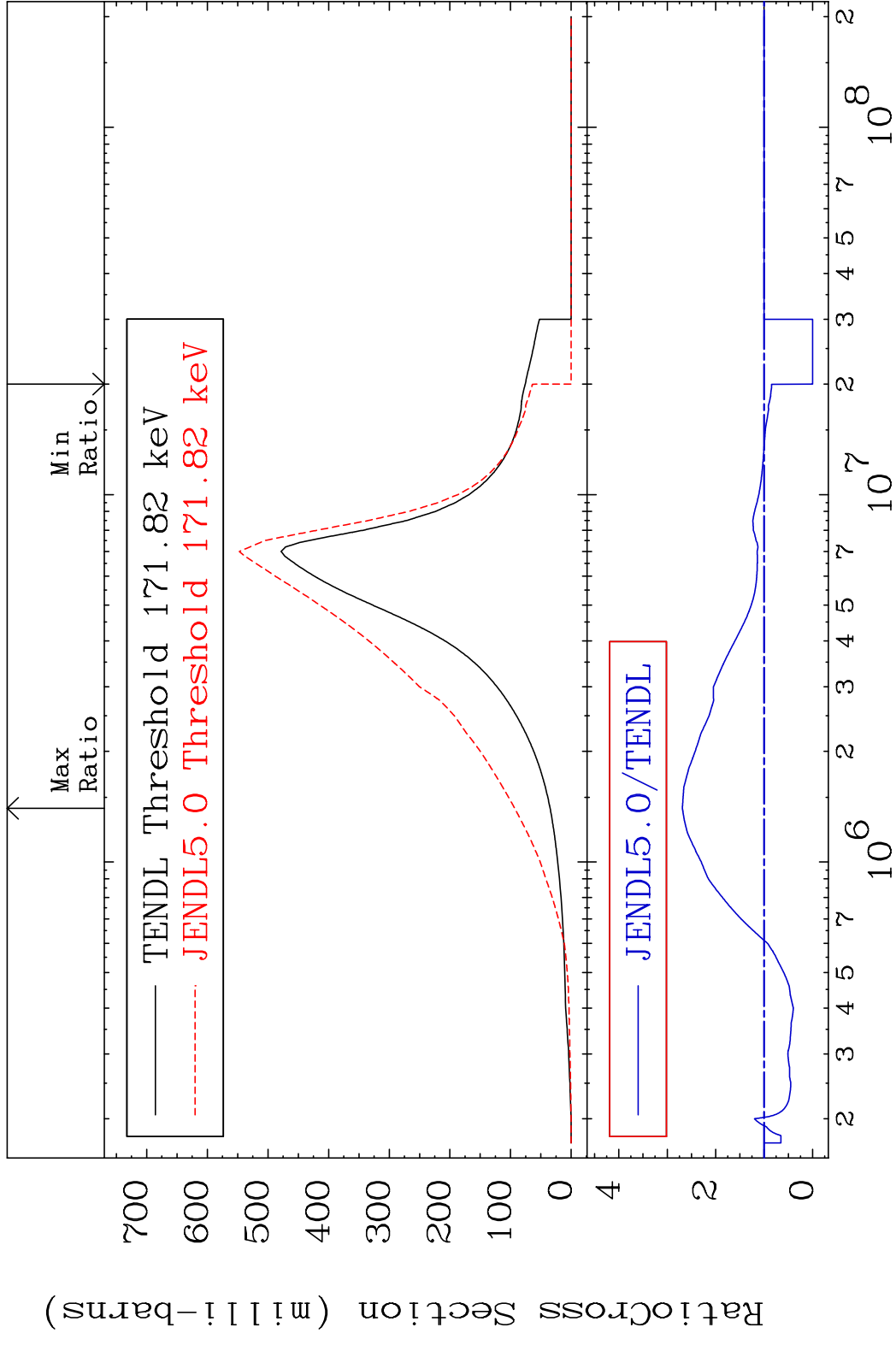
71-Lu-174

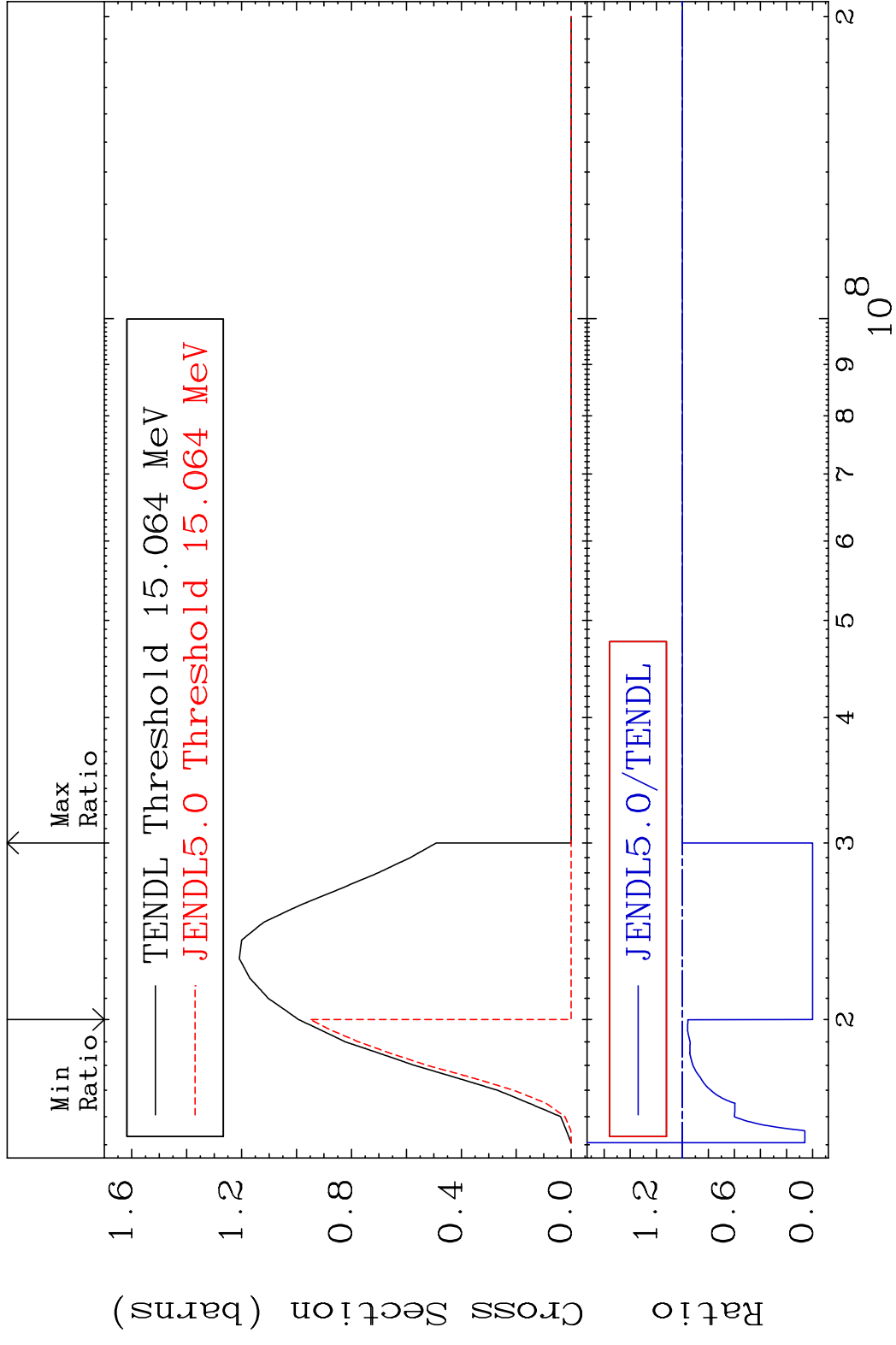
MAT 7122 Dpa inelastic (mt51-91) 71-Lu-174
 Cross Section -100.0 To 390.6 %



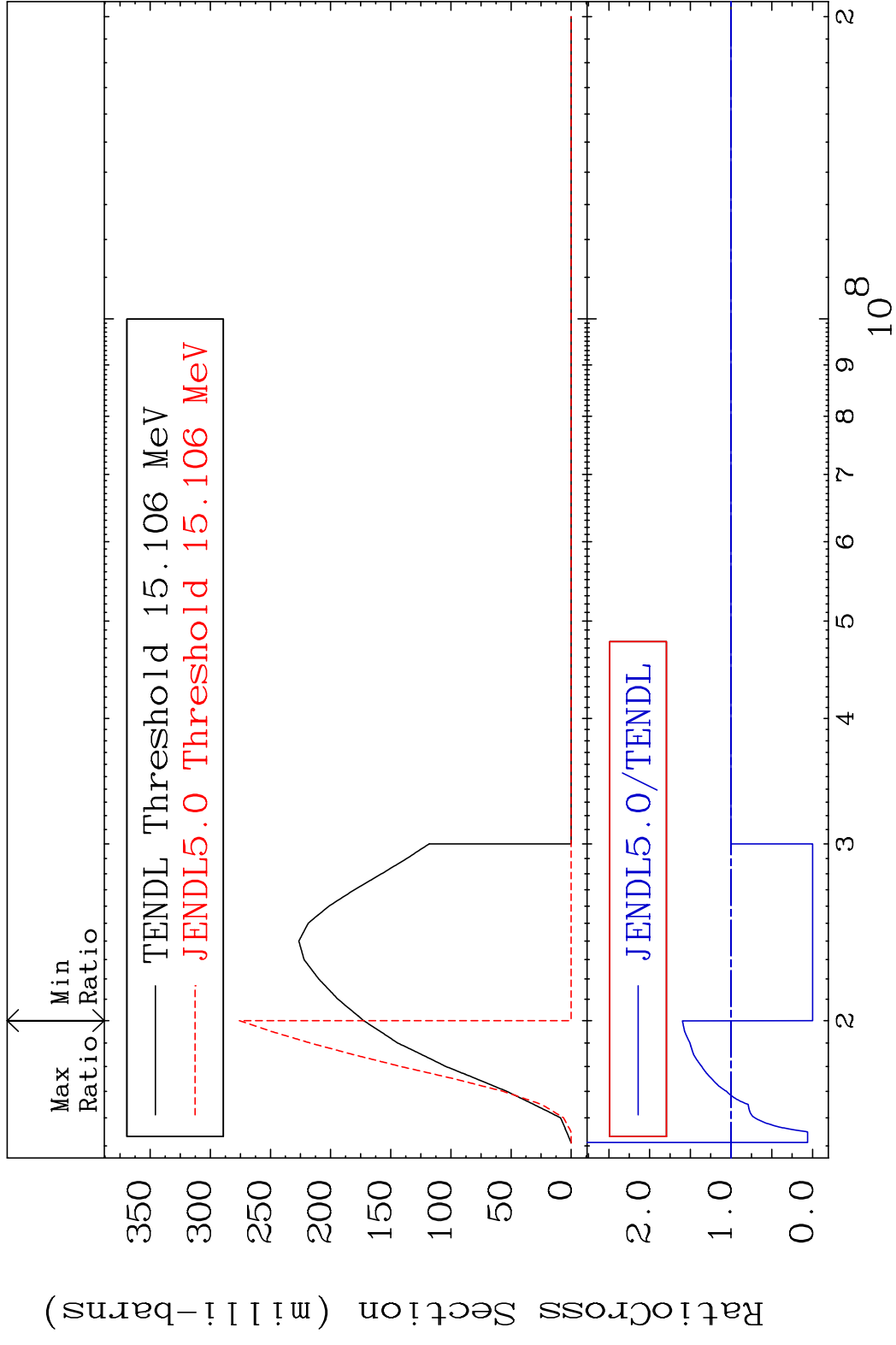
MAT 7122 Dpa disappearance (mt102 -120) 71-Lu-174
 Cross Section -100.0 To 8680. %



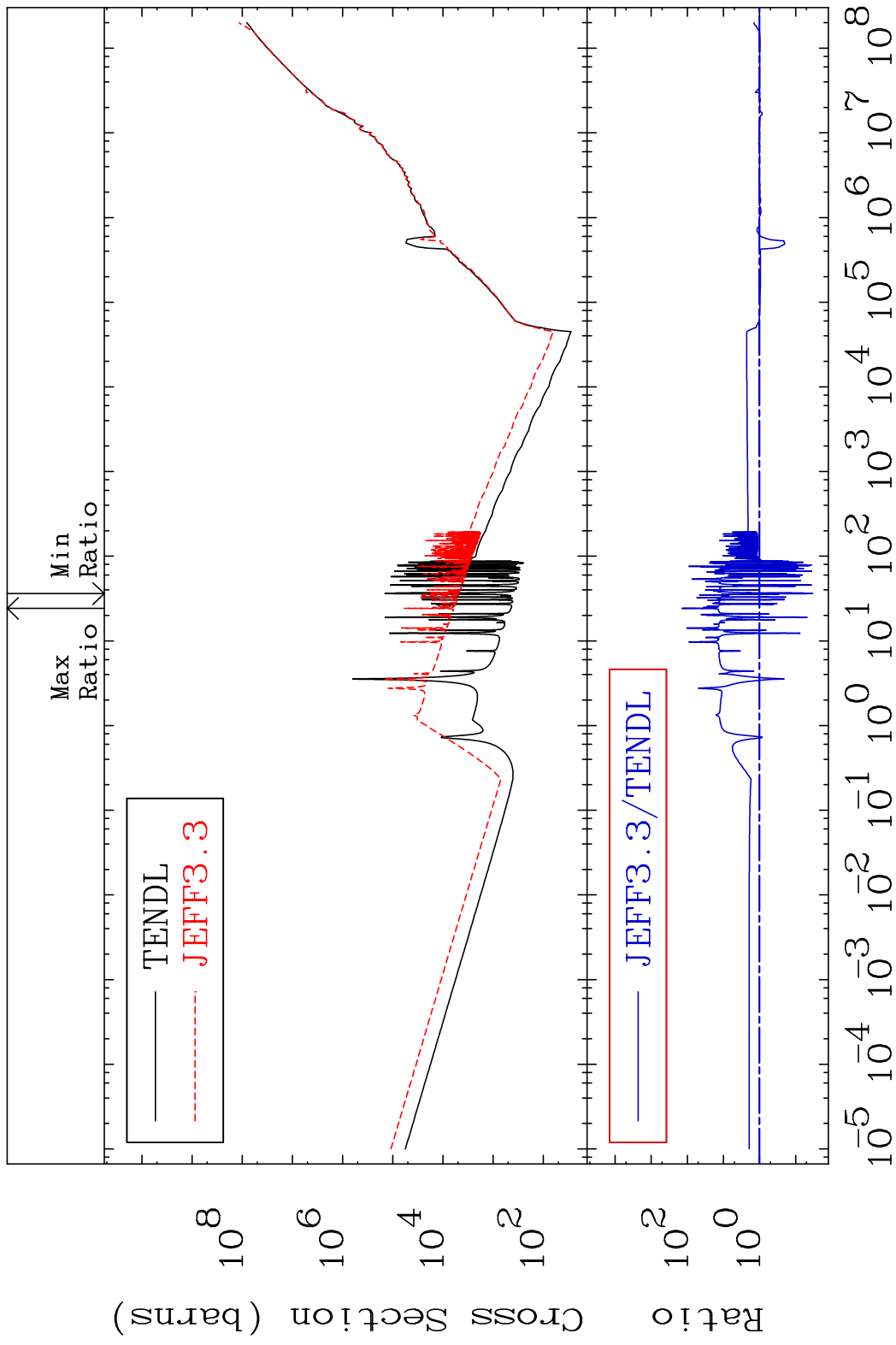




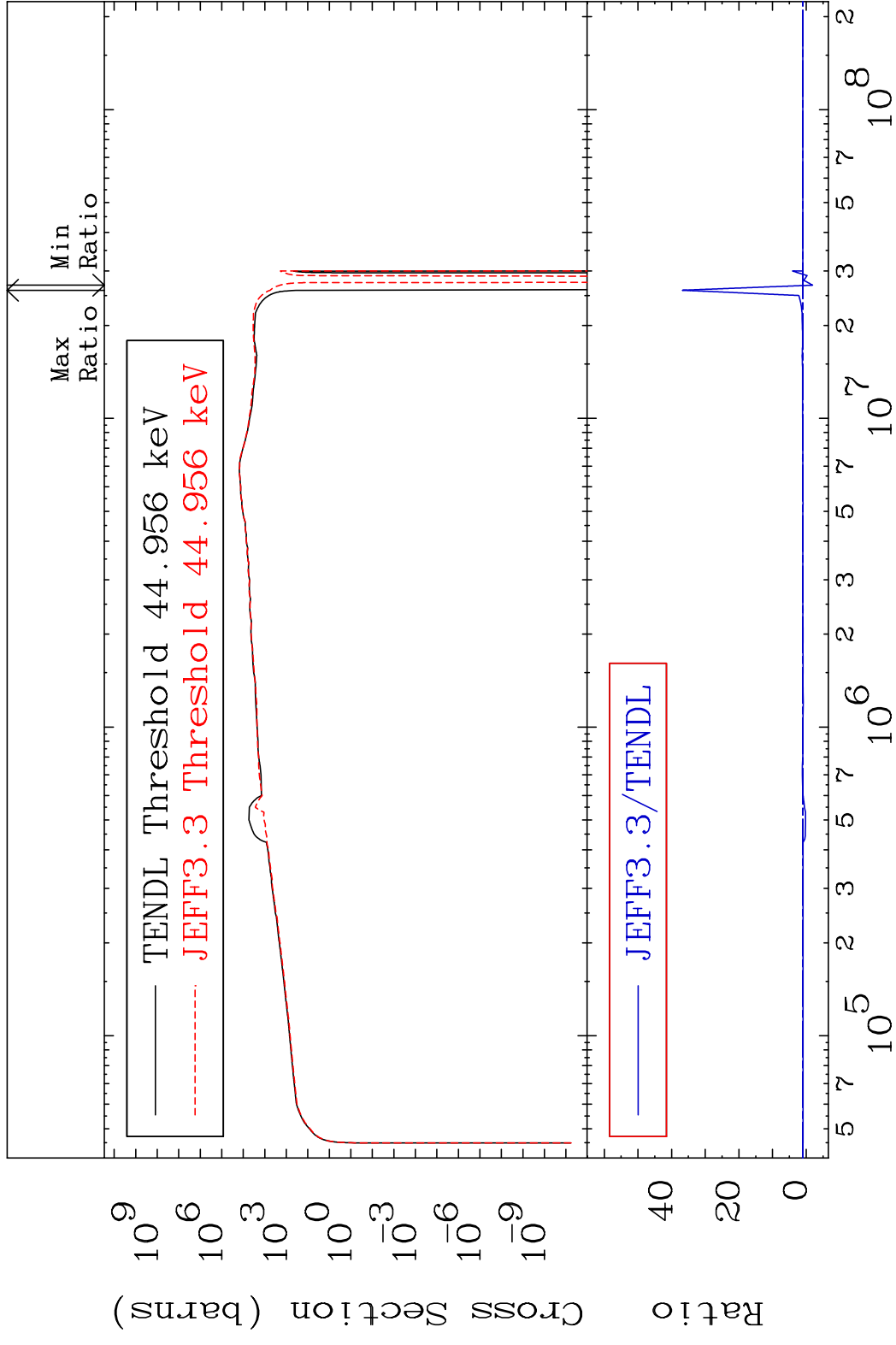
MAT 7122 (n, 3n): 71-Lu-172m1 71-Lu-174
 Radionuclide Production Cross Section 180.0 mb to 59.80 %



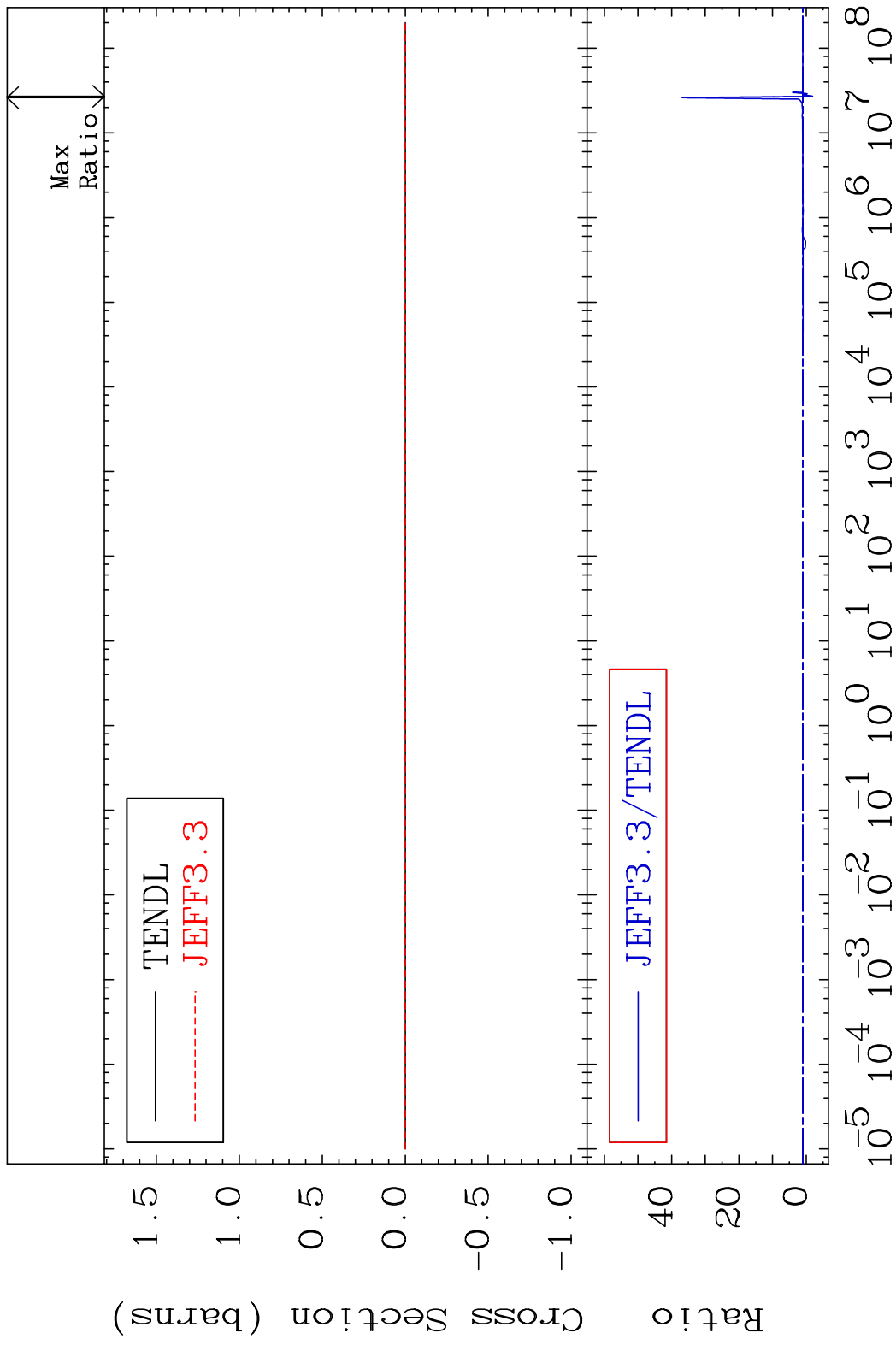
MAT 7122 Kerma non-elastic (all but mt2) 71-Lu-174
 Cross Section -96.59 To 9999. %



MAT 7122 Kerma inelastic (mt51-91) 71-Lu-174
 Cross Section -287.9 To 3581. %

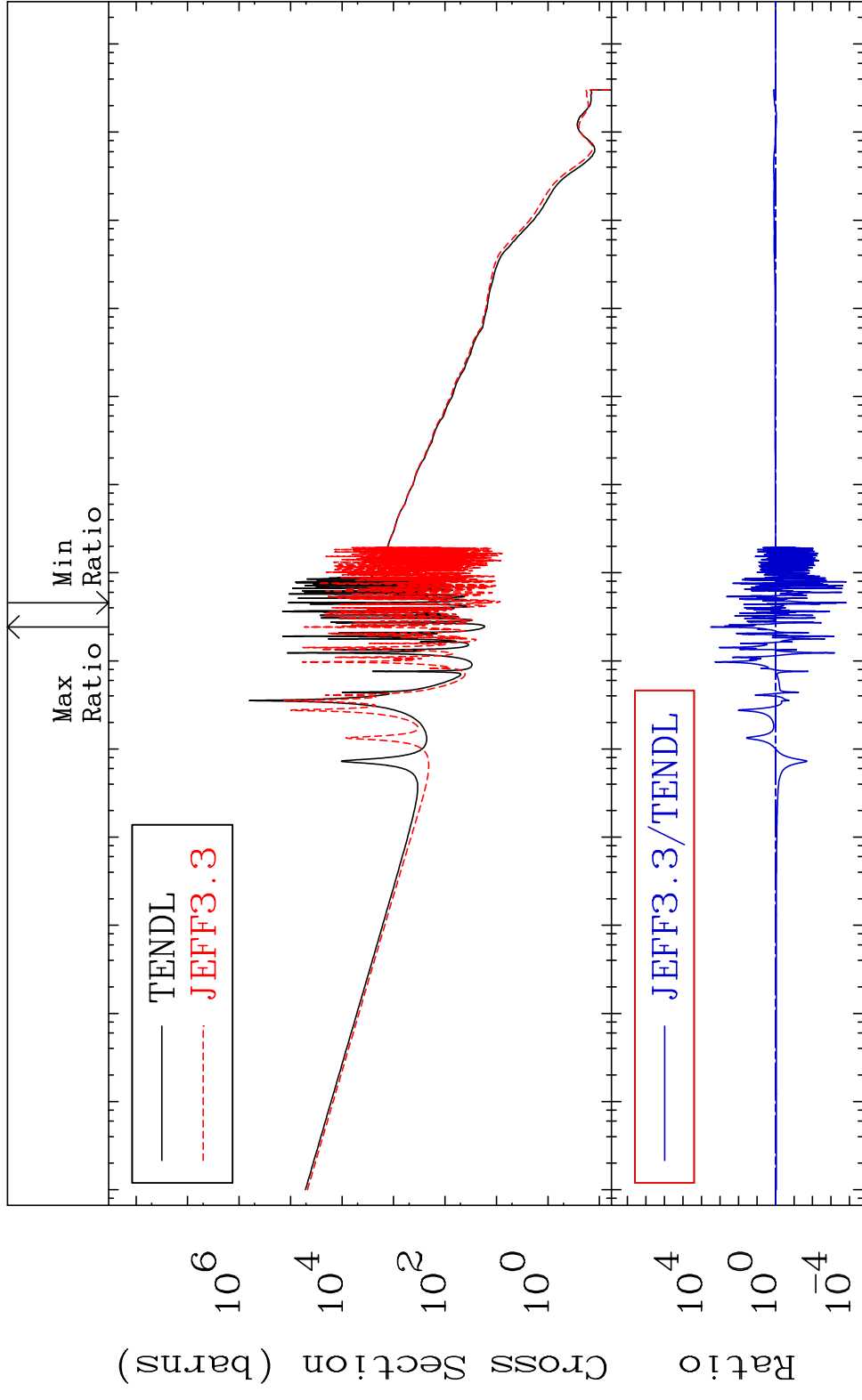


MAT 7122 Kerma fission (mt18 or mt19-20-21-38) 71-Lu-174
 Cross Section -287.9 To 3581. %



MAT 7122

Kerma capture (mt102) 71-Lu-174
Cross Section -99.99 To 9999. %



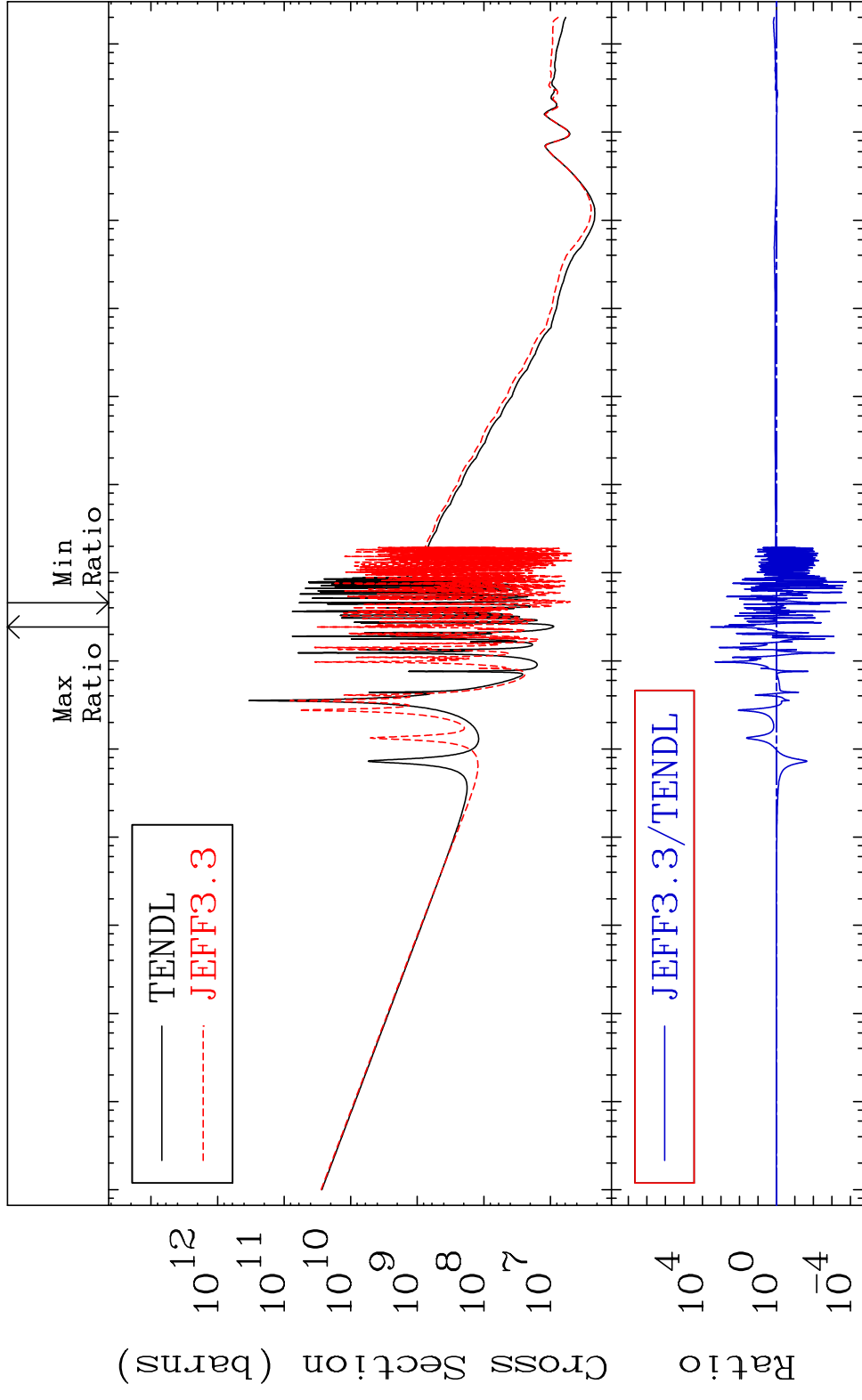
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Incident Energy (eV)

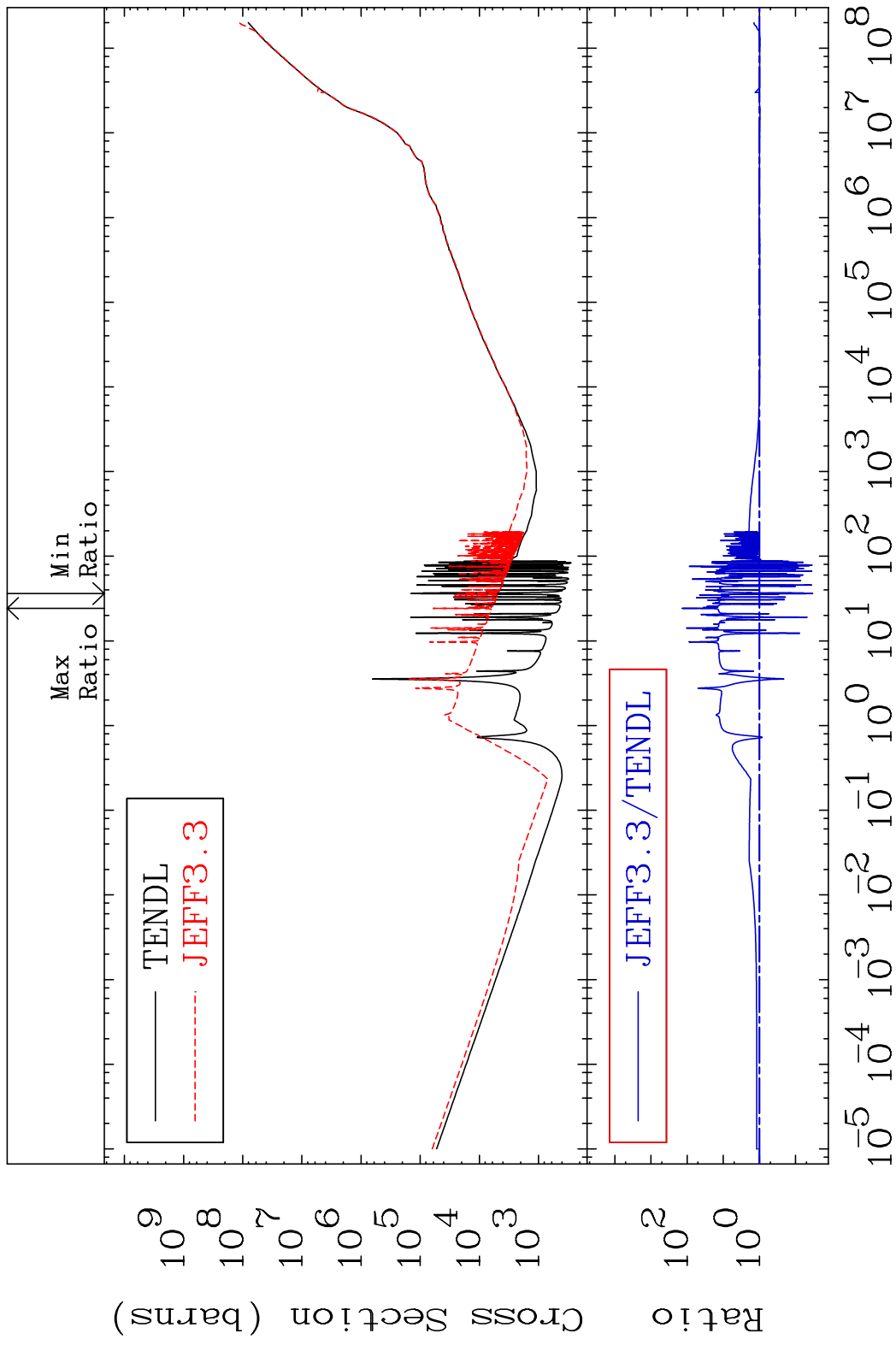
71-Lu-174

MAT 7122

Total photon (eV-barns) 71-Lu-174
Cross Section -99.98 To 9999. %



MAT 7122 Total kinematic kerma (high limit) 71-Lu-174
 Cross Section -96.60 To 9999. %

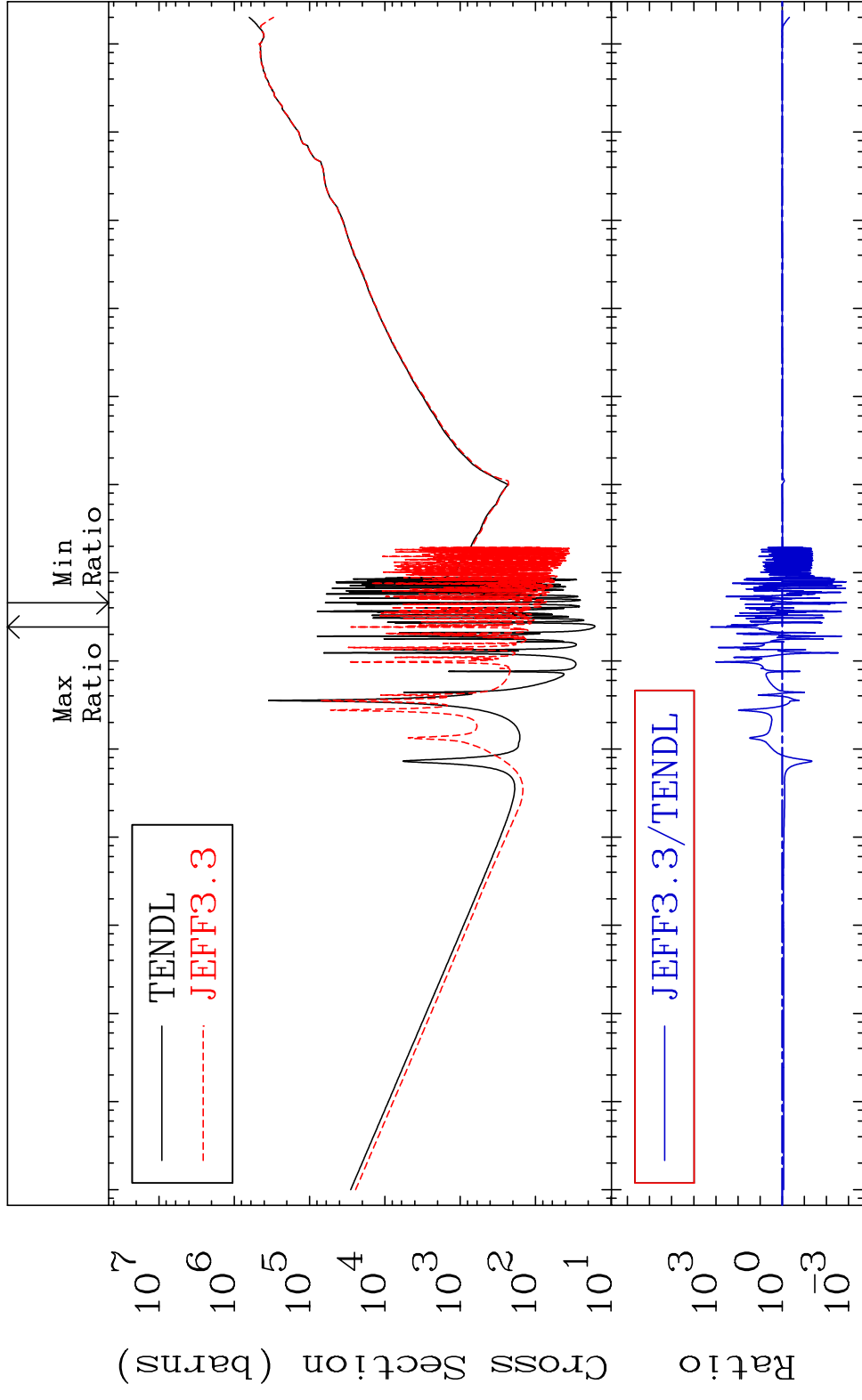


MAT 7122

Dpa total (eV-barns)

71-Lu-174

Cross Section -99.87 To 9999. %

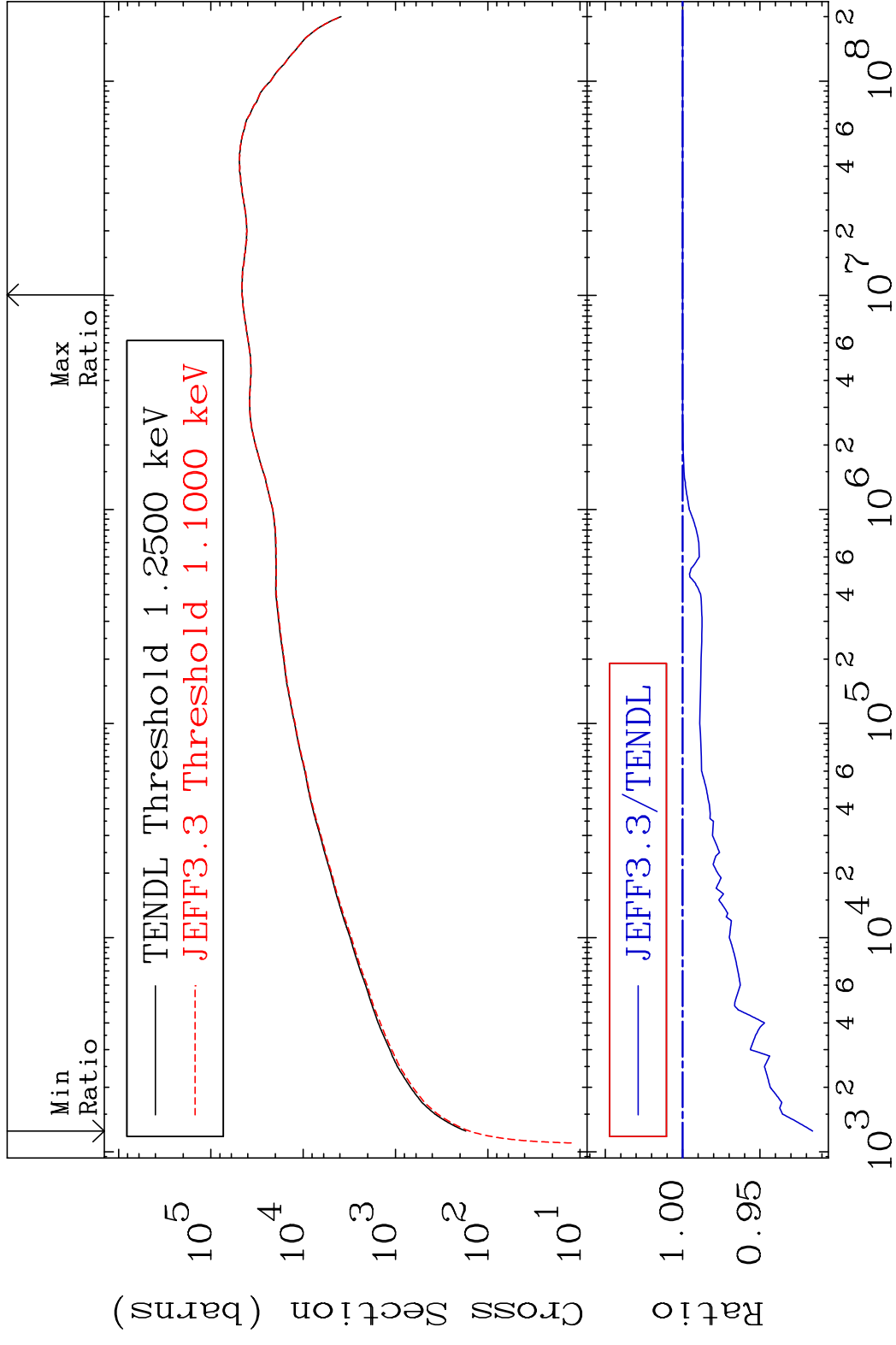


MAT 7122

Dpa elastic (mt2)

71-Lu-174

Cross Section -8.395 To 0.018 %

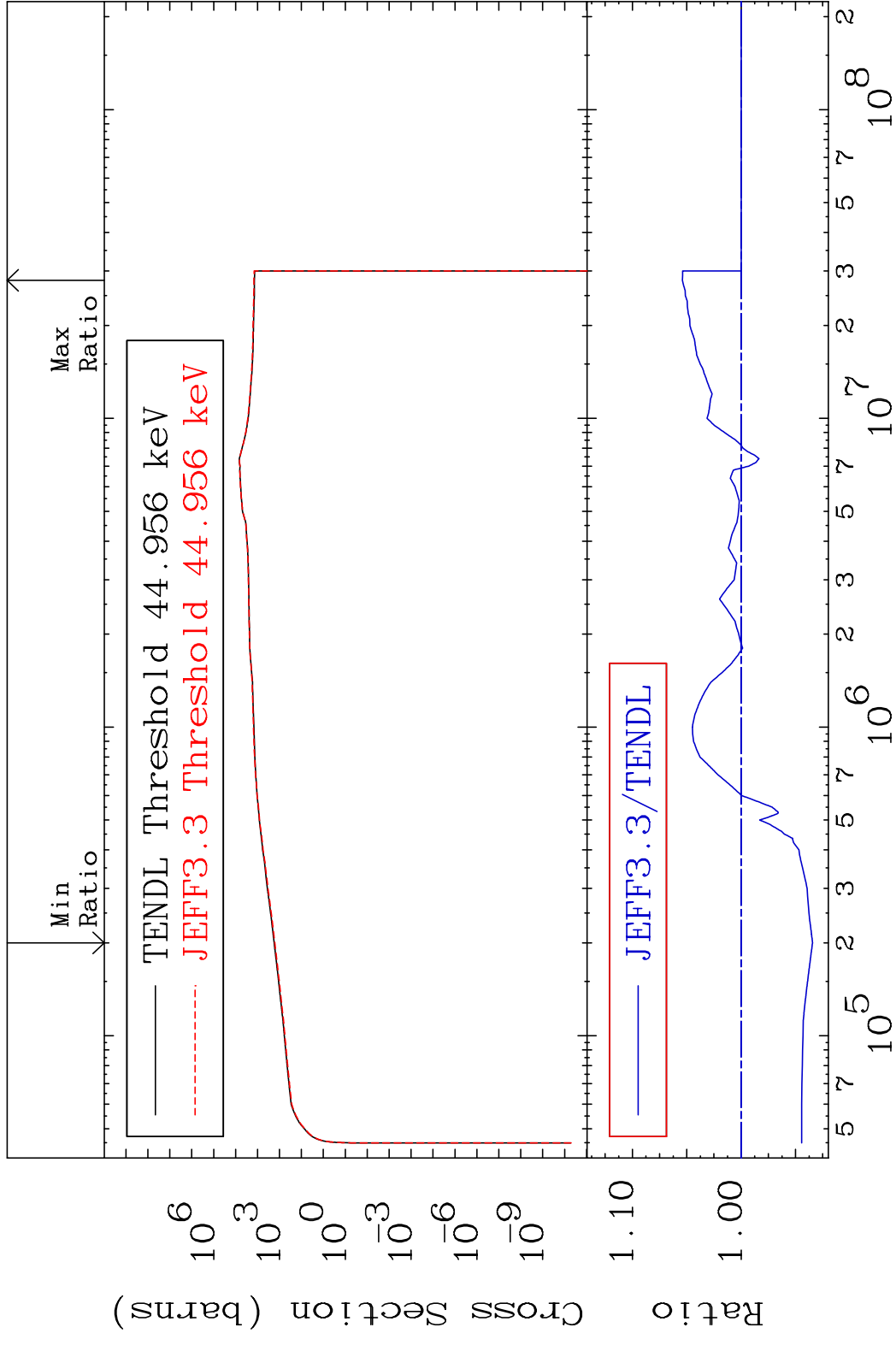


63

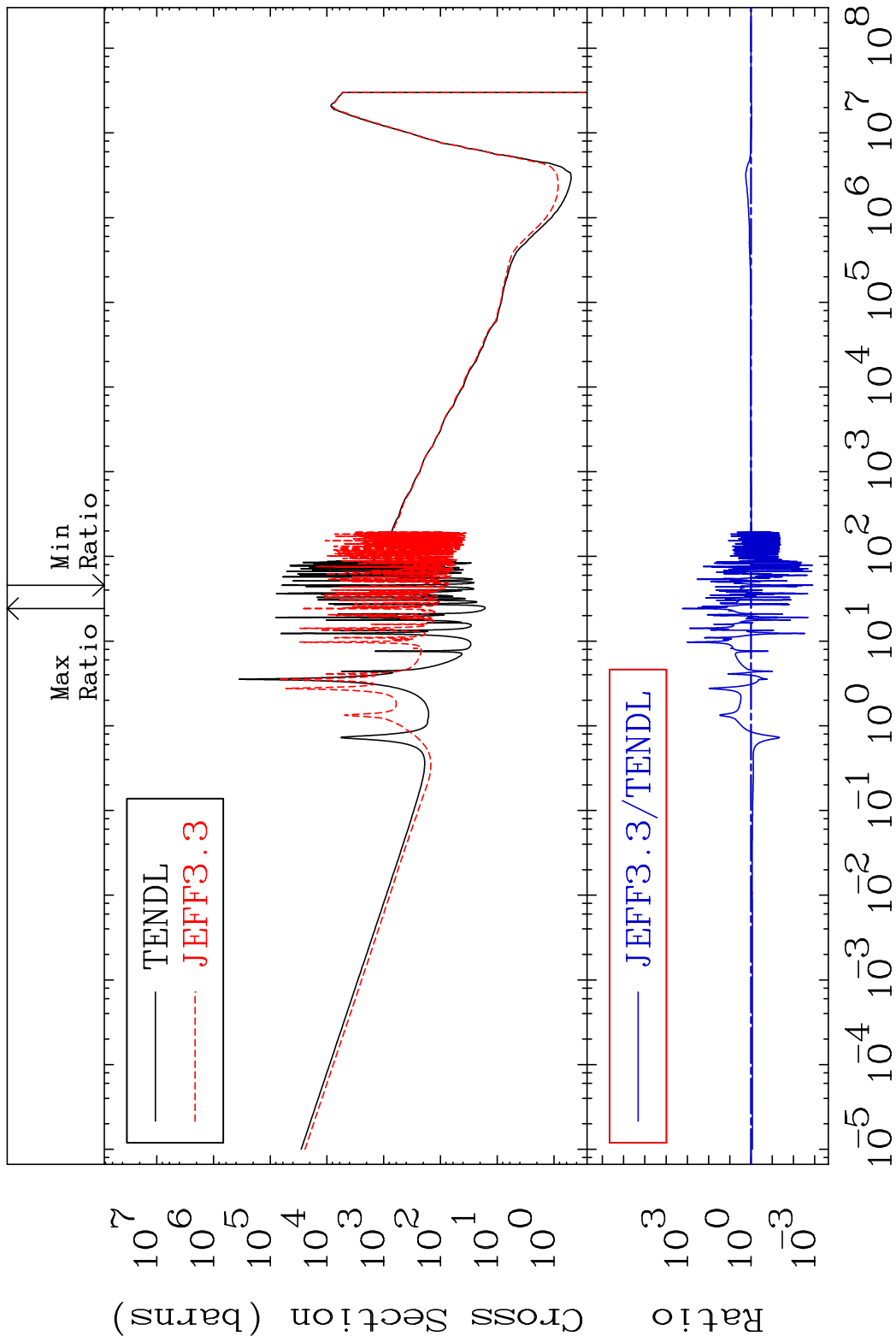
Incident Energy (eV)

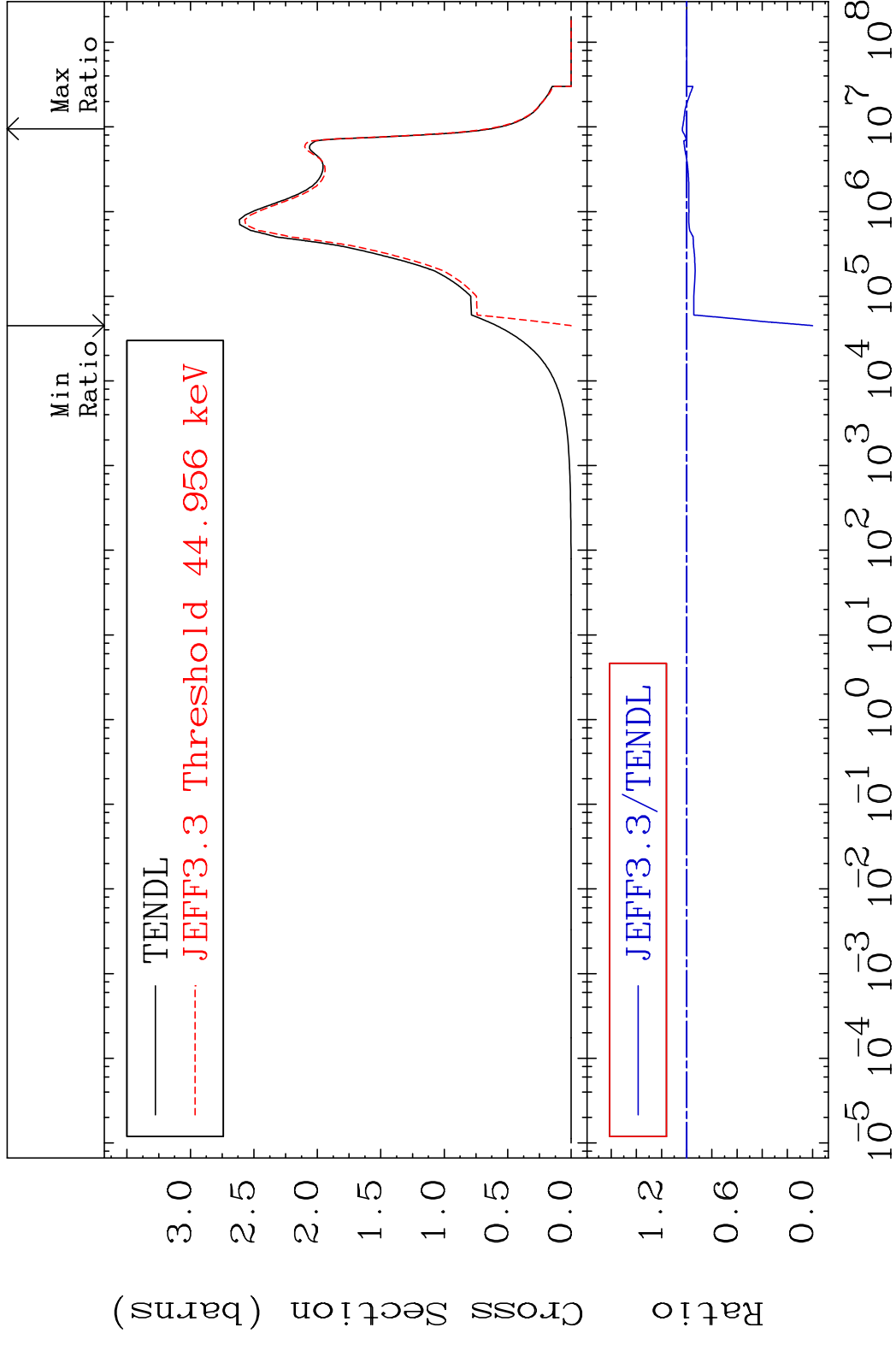
71-Lu-174

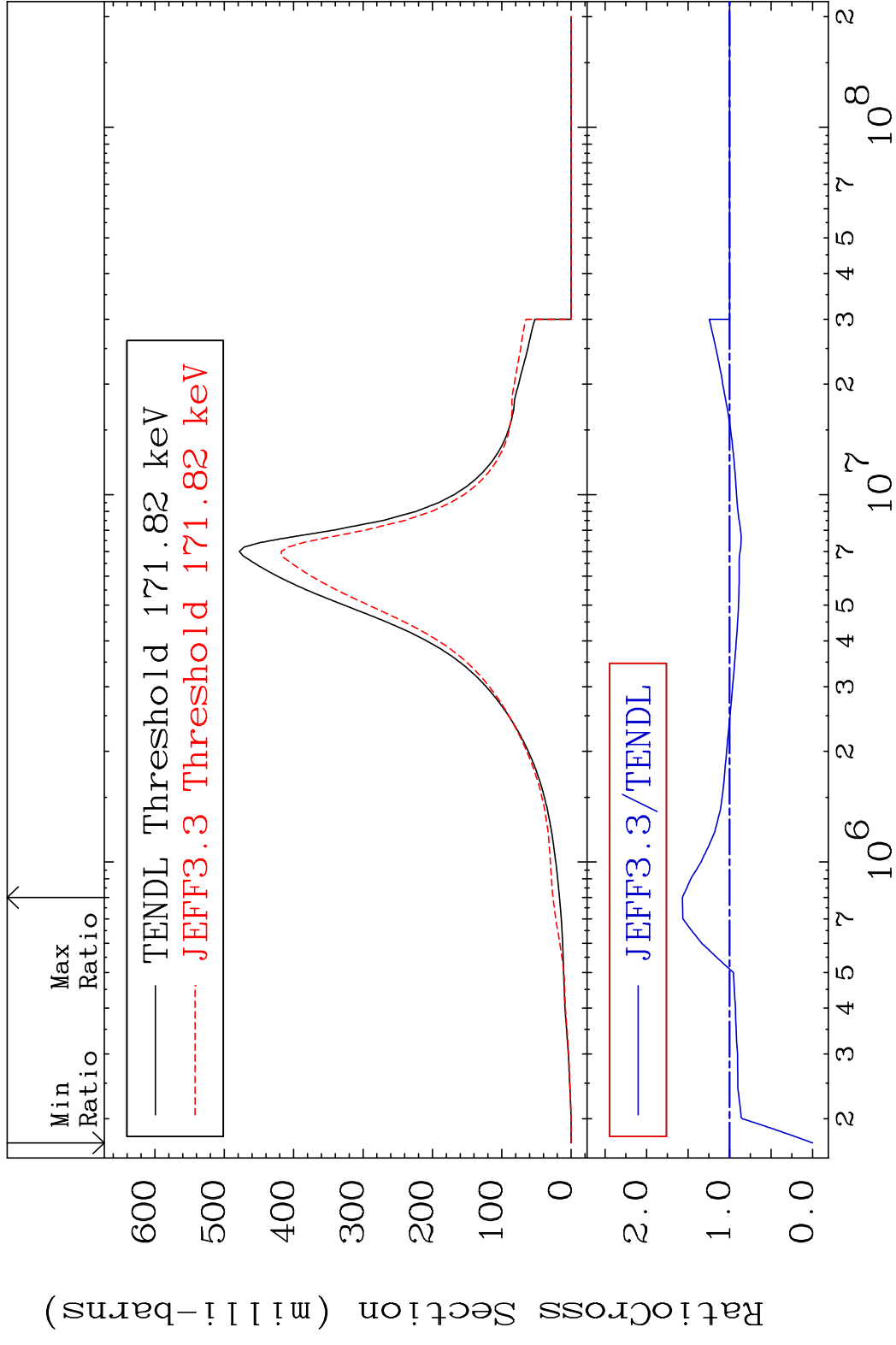
MAT 7122 Dpa inelastic (mt51-91) 71-Lu-174
 Cross Section -6.565 To 5.406 %



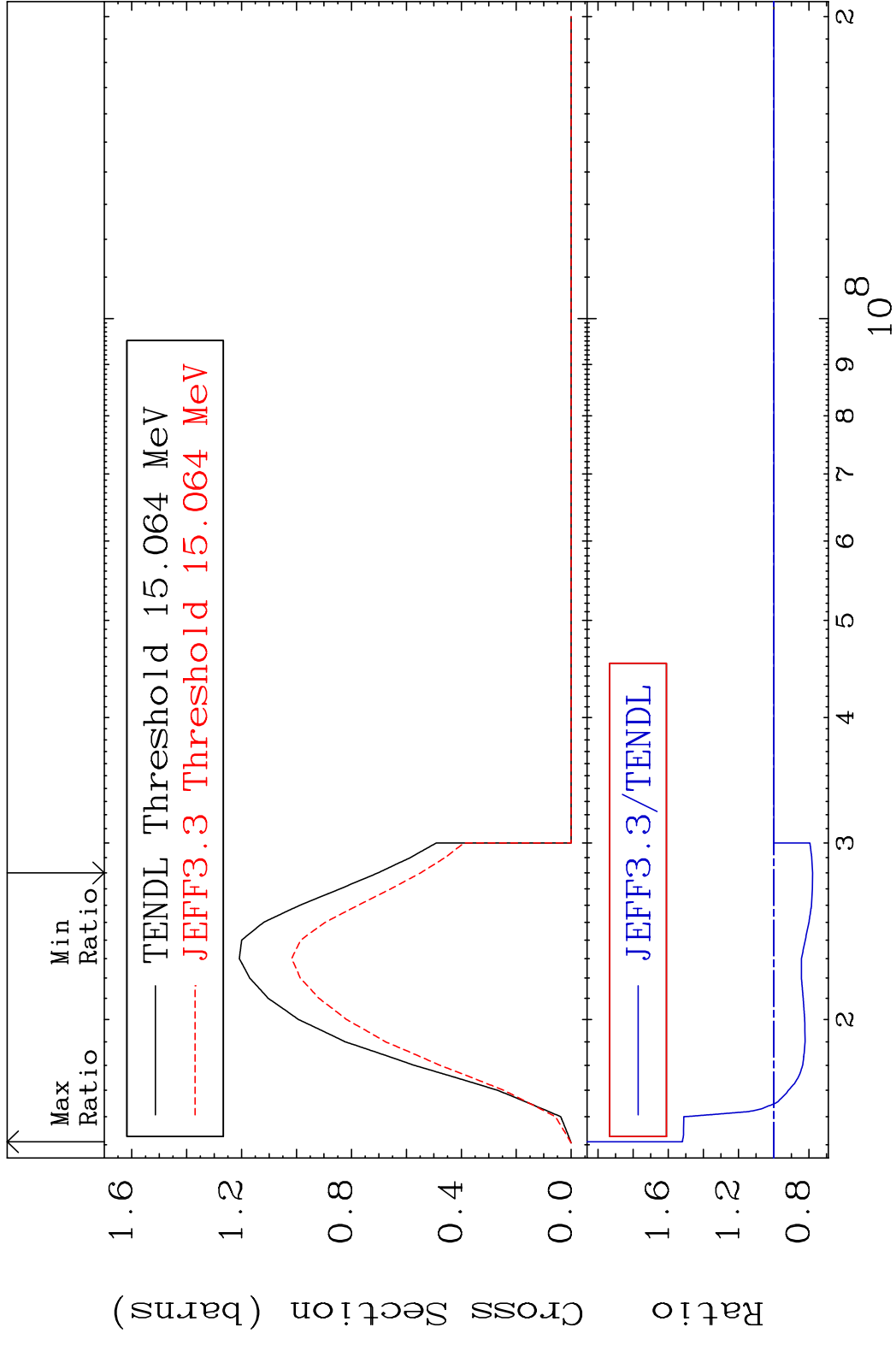
MAT 7122 Dpa disappearance (mt102 -120) 71-Lu-174
 Cross Section -99.87 To 9999. %

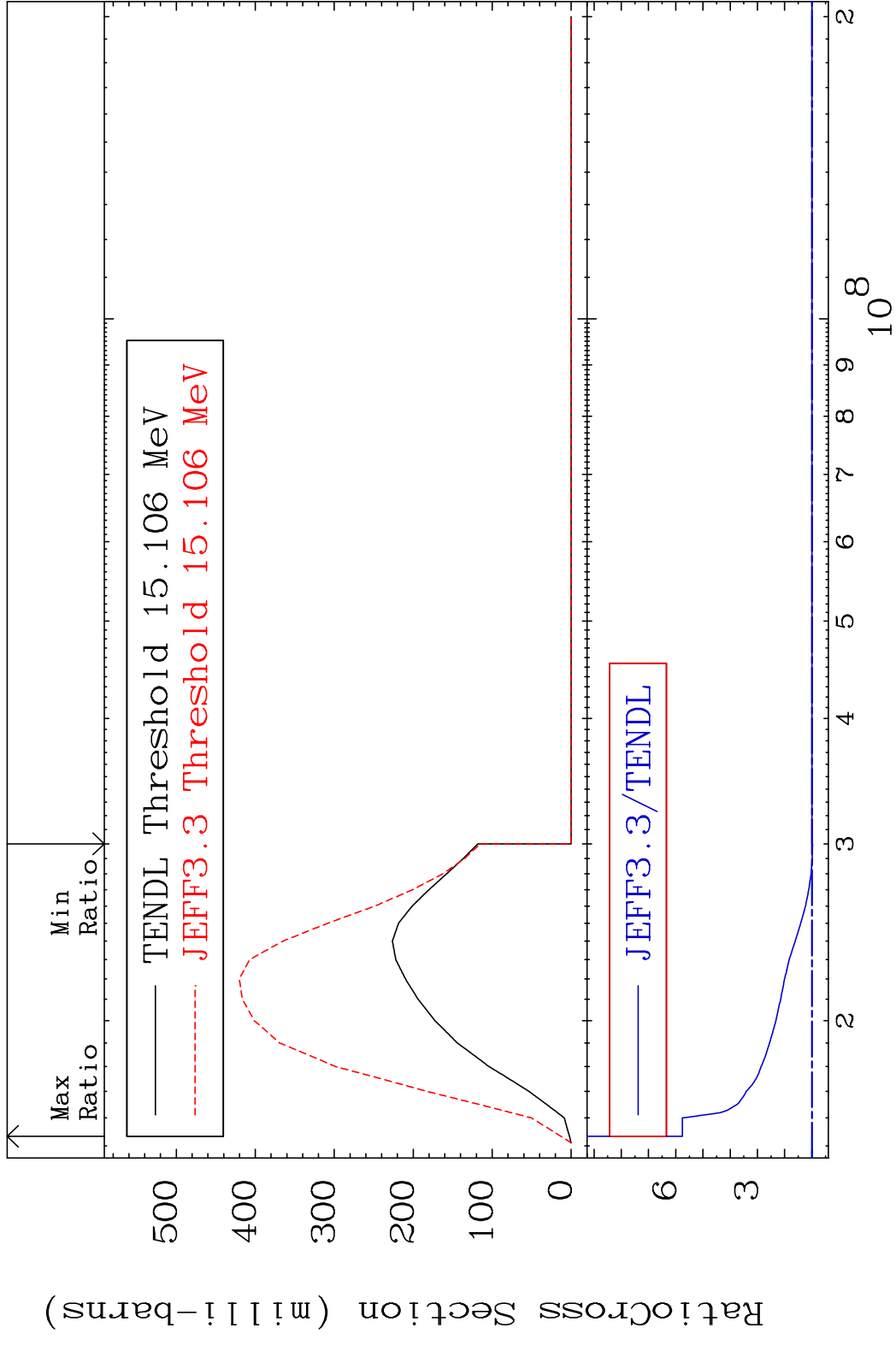




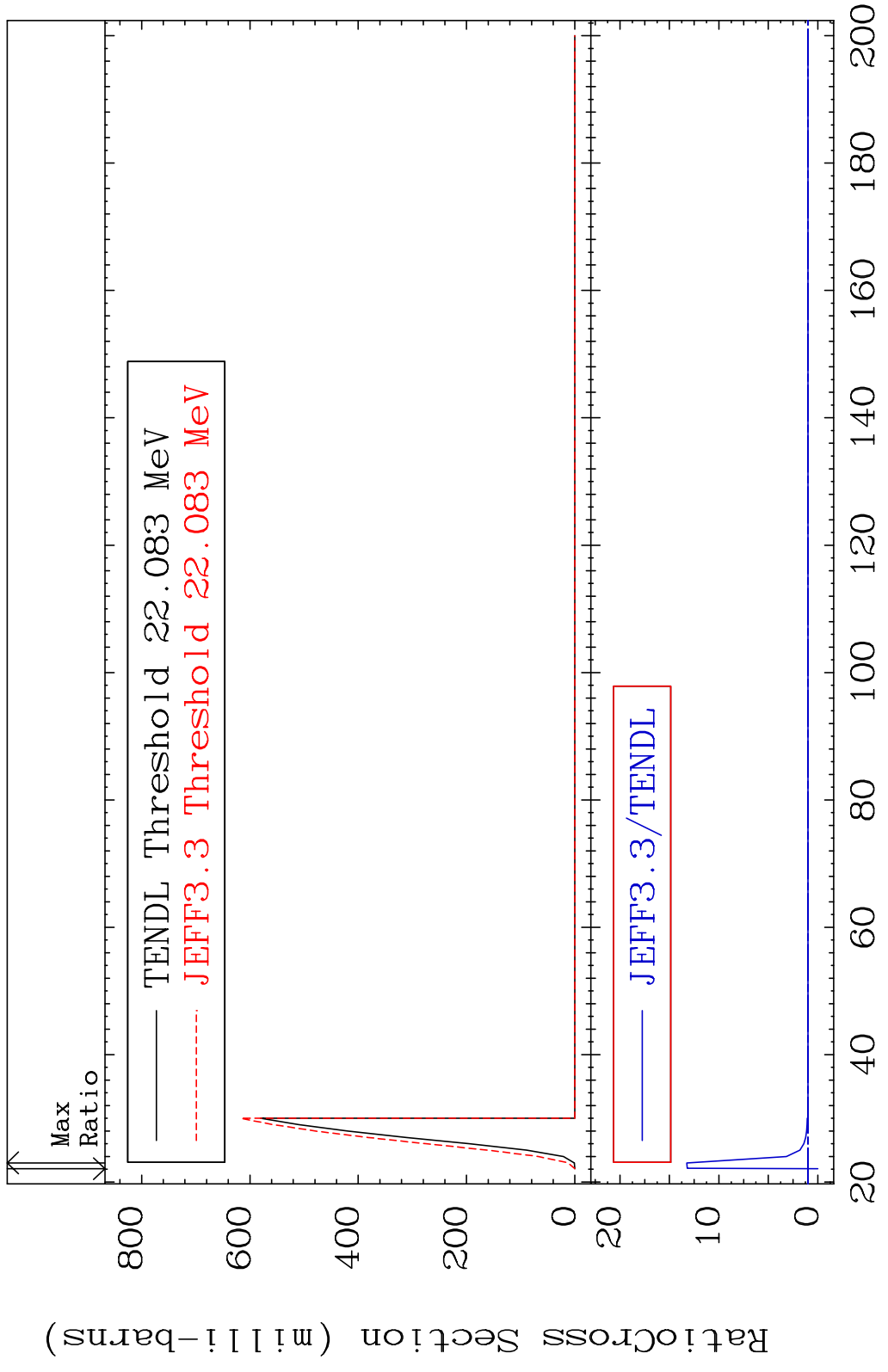


MAT 7122 (n,3n):71-Lu-172g 71-Lu-174
 Radionuclide Production Cross Section 51.97 %





MAT 7122 (n,4n):71-Lu-171g 71-Lu-174
 Radionuclide Production Cross Section 180.01 dth 1225. %



70 Incident Energy (MeV) 71-Lu-174

MAT 7122 (n, 4n):71-Lu-171m1 71-Lu-174
 Radionuclide Production Cross Section 1611. %

