

Program Complot
(Version 2021-1)

by

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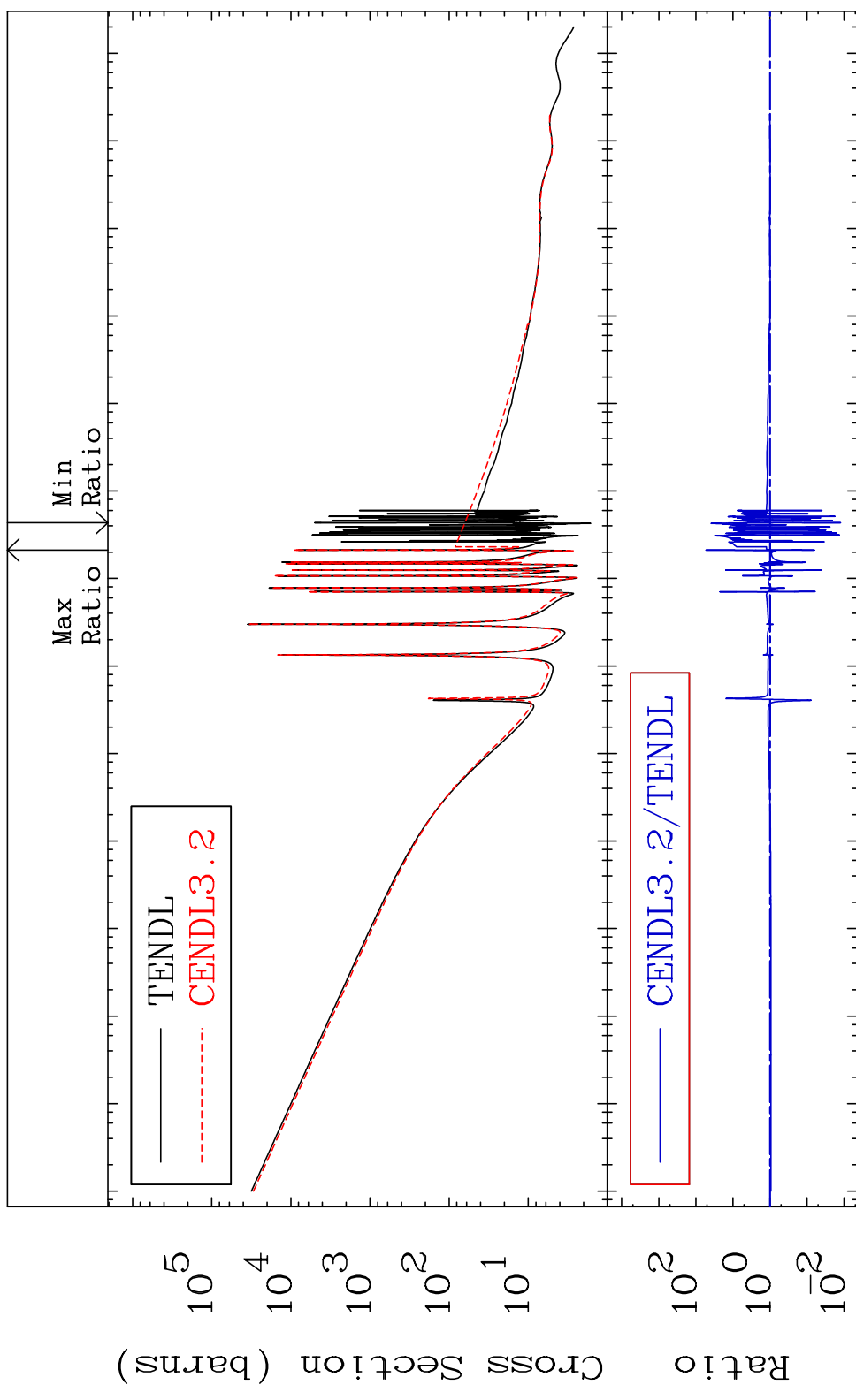
Press Mouse Button to Start

MAT 7225

Total

72-Hf-174

Cross Section -98.75 To 5294. %



1

Incident Energy (eV)

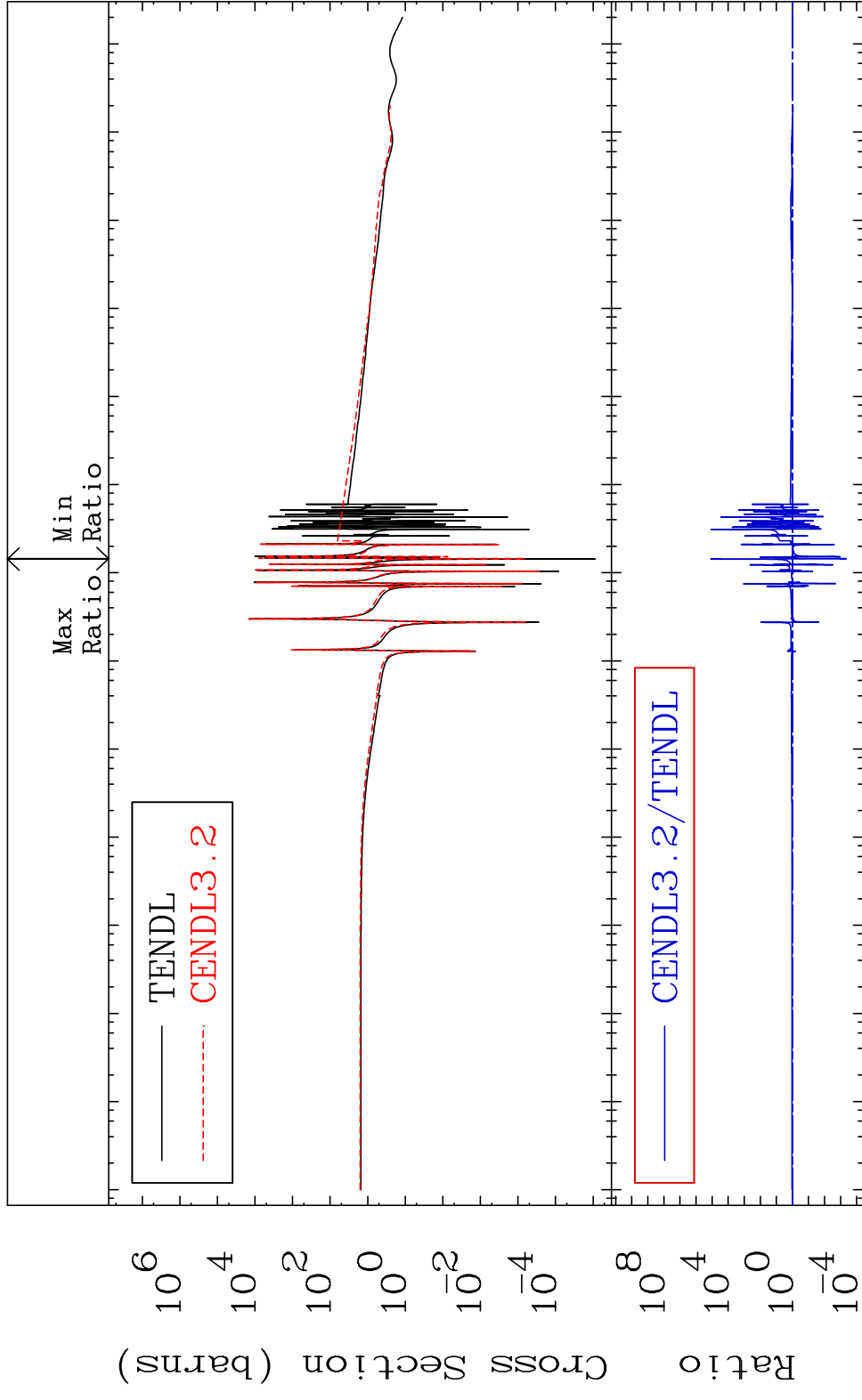
72-Hf-174

MAT 7225

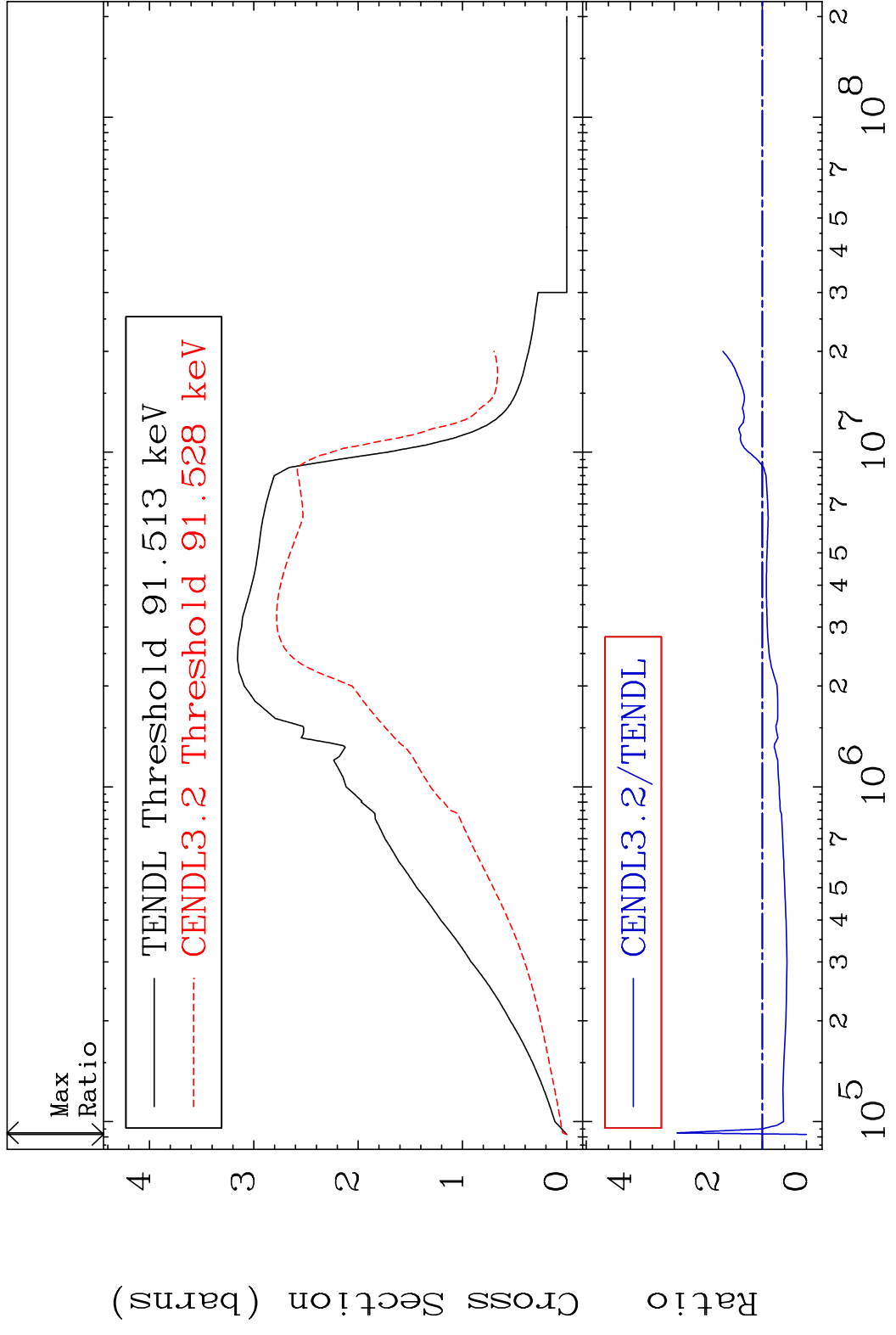
72-Hf-174

Elastic

Cross Section -99.96 To 9999. %



MAT 7225 Inelastic 72-Hf-174
 Cross Section -100.0 To 193.6 %



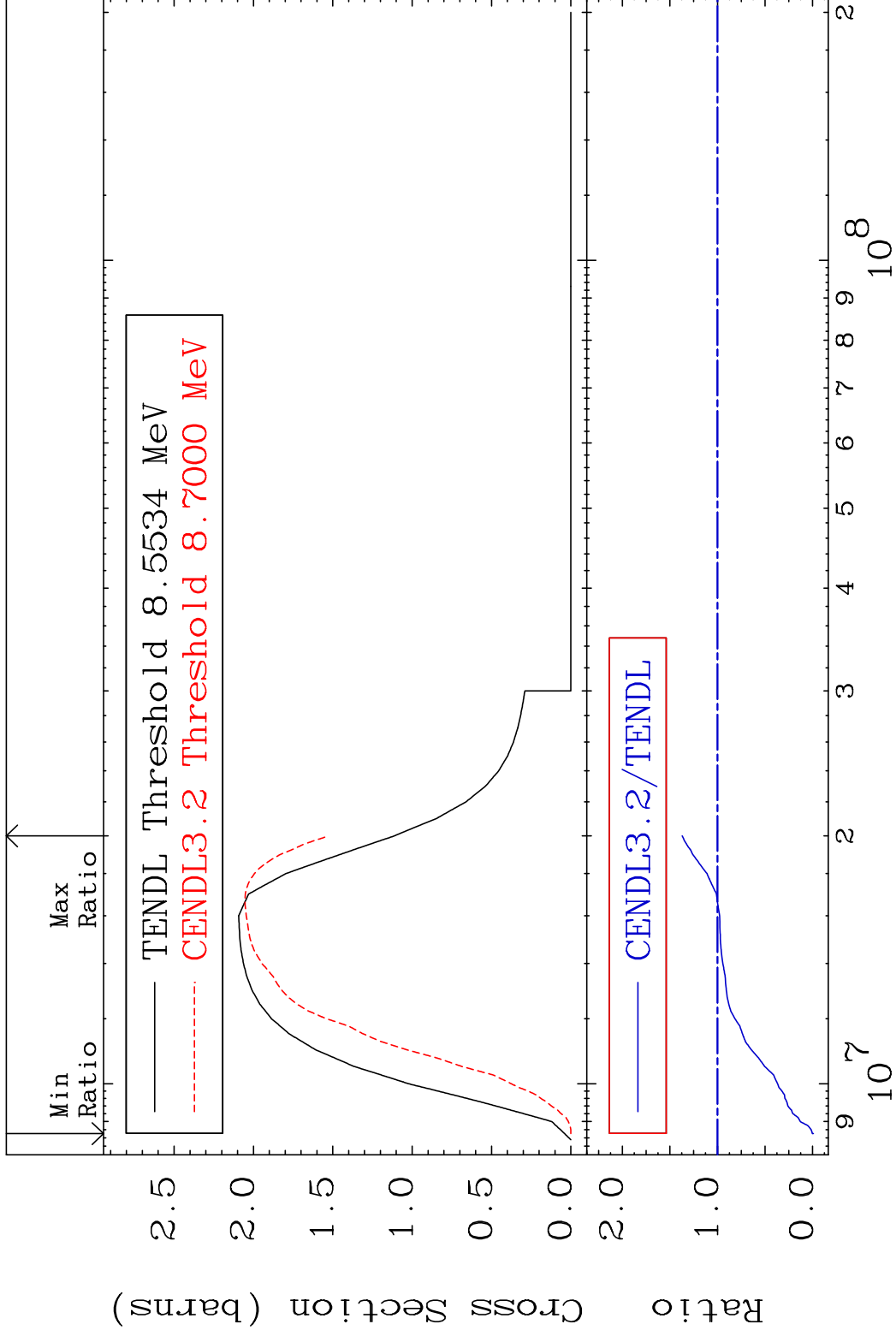
3 Incident Energy (eV) 72-Hf-174

MAT 7225

(n,2n)

72-Hf-174

Cross Section -100.0 To 37.16 %



4

Incident Energy (eV)

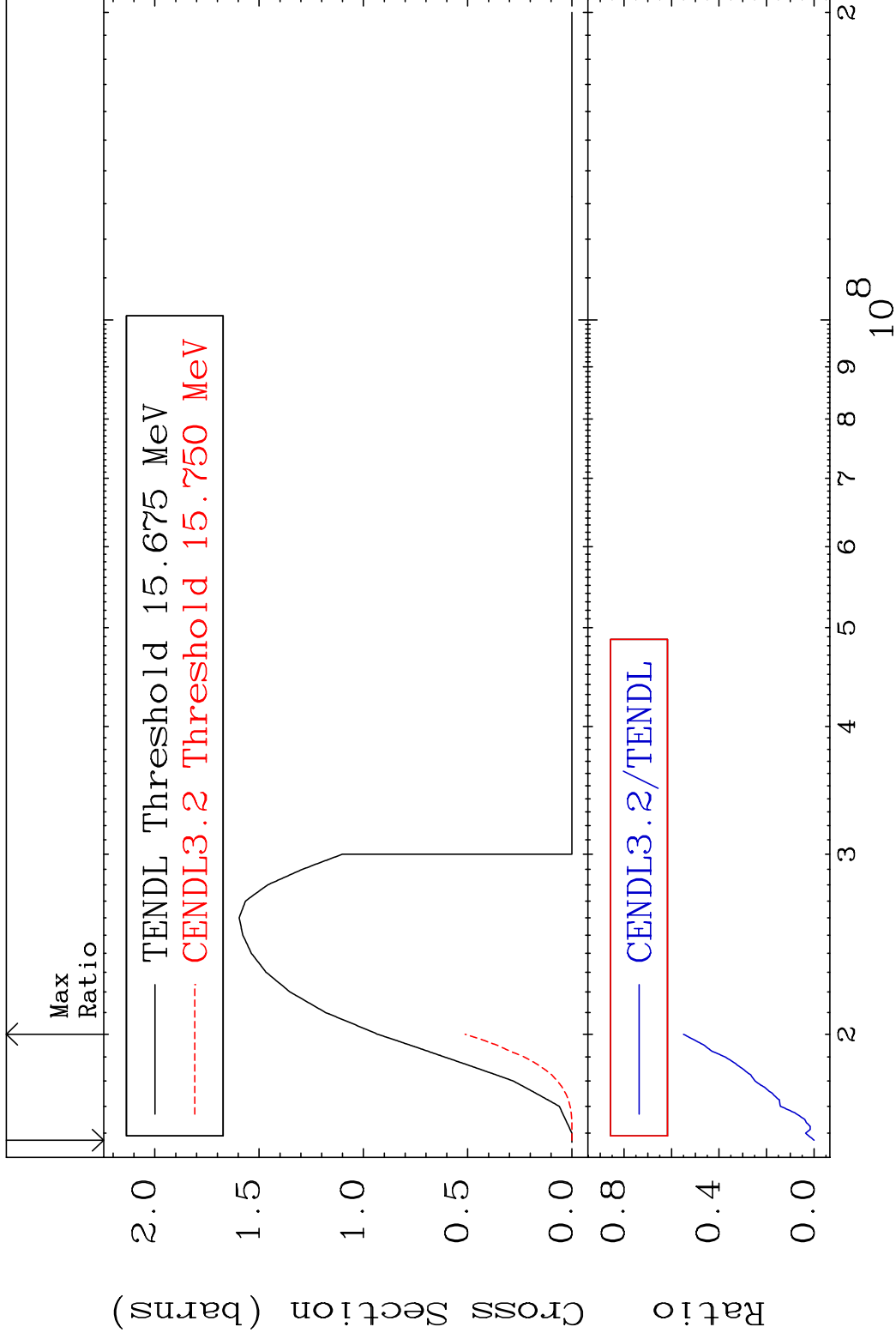
72-Hf-174

MAT 7225

(n,3n)

72-Hf-174

Cross Section -100.0 To -45.01%



5

Incident Energy (eV)

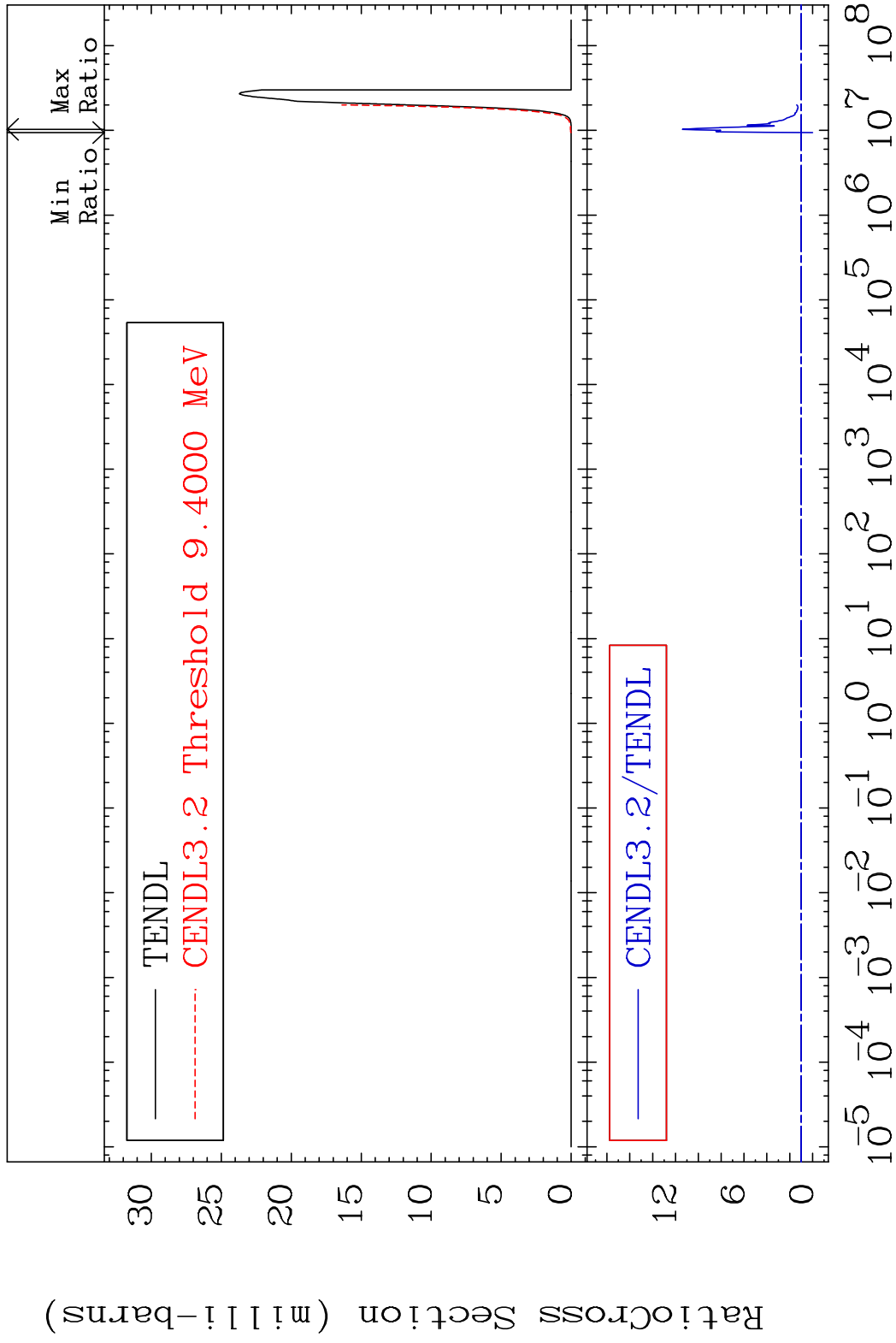
72-Hf-174

MAT 7225

(n, n') α

72-Hf-174

Cross Section -100.0 To 1040. %



6

Incident Energy (eV)

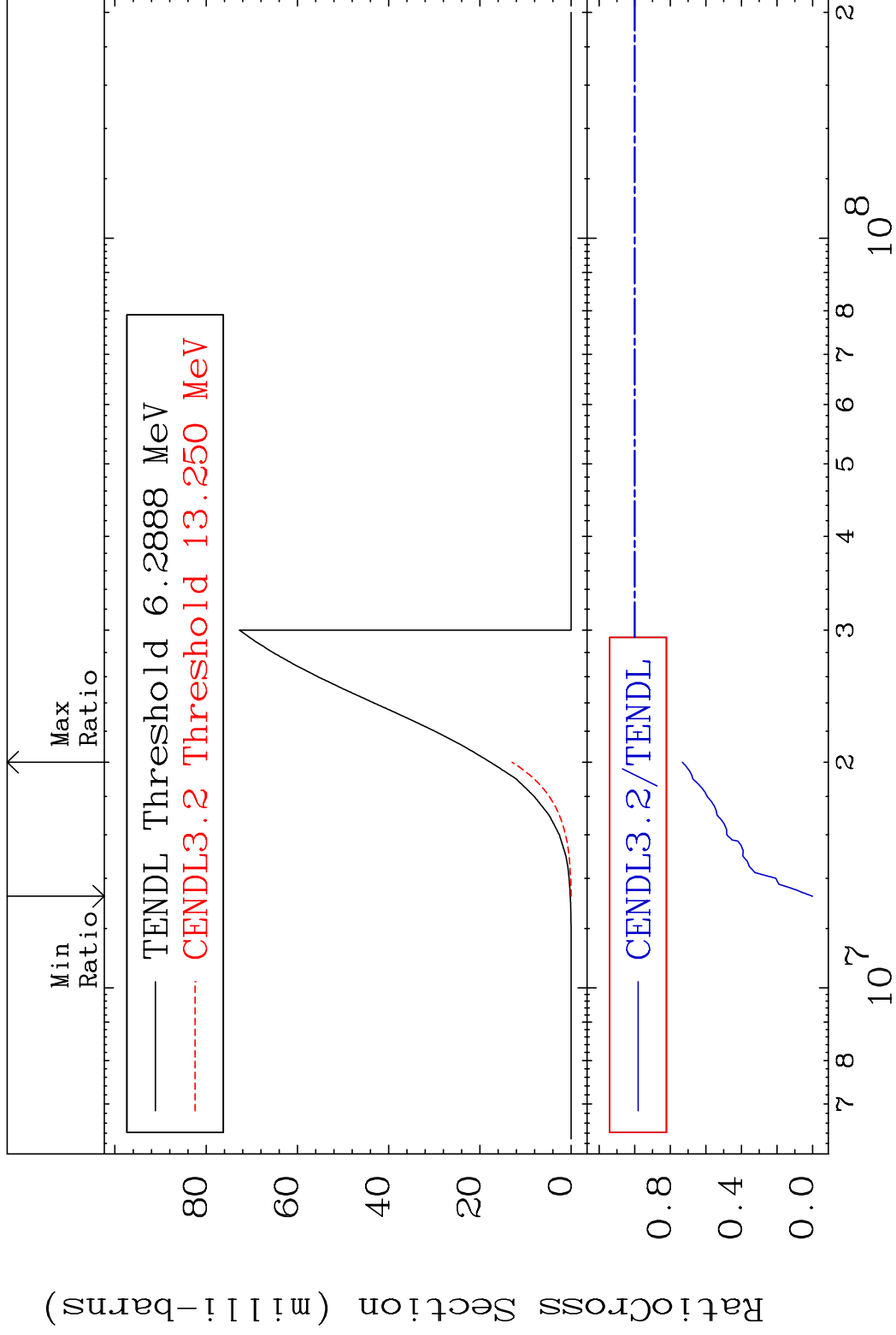
72-Hf-174

MAT 7225

(n, n') p

72-Hf-174

Cross Section -100.0 To -26.82%

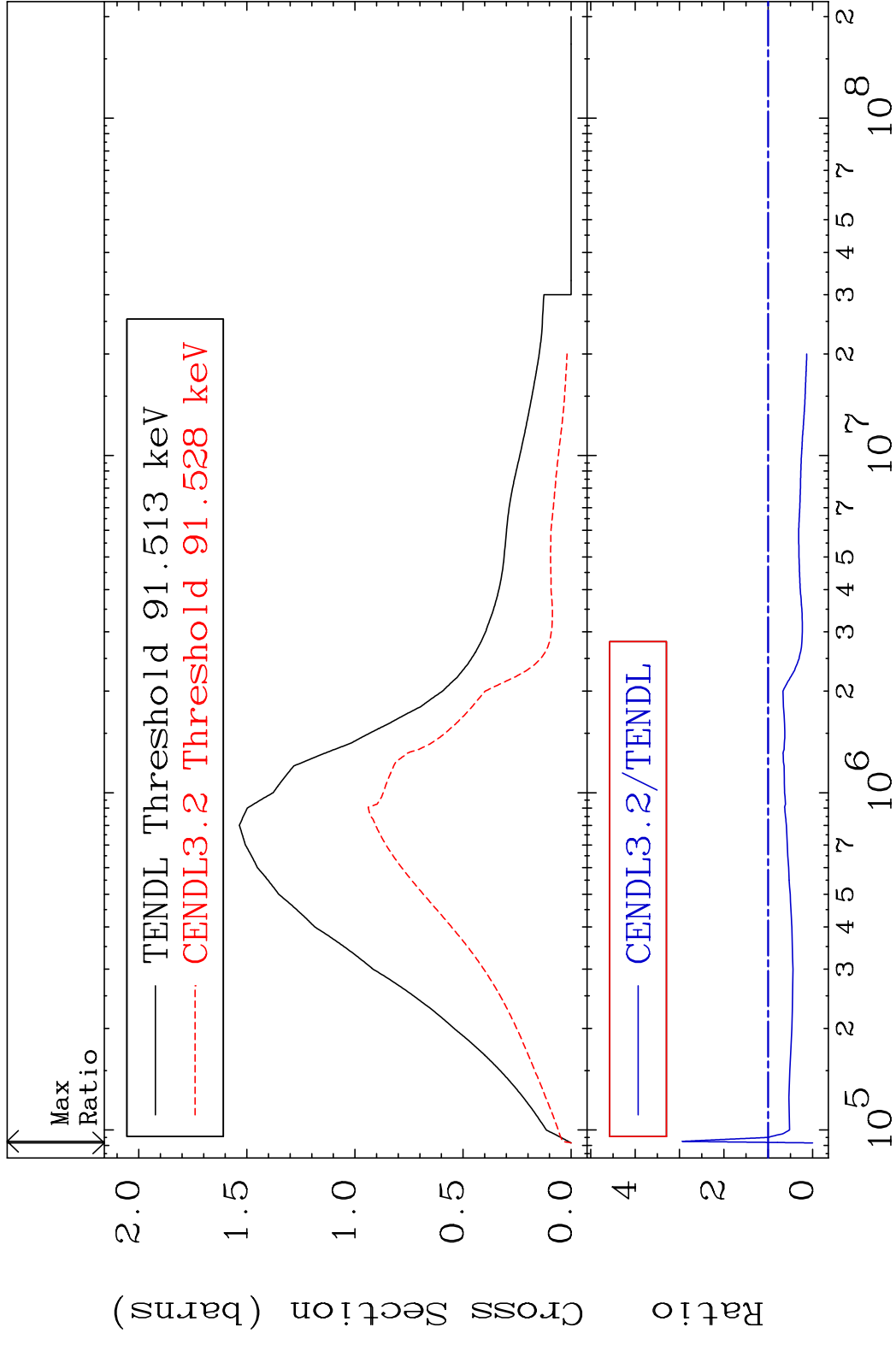


7

Incident Energy (eV)

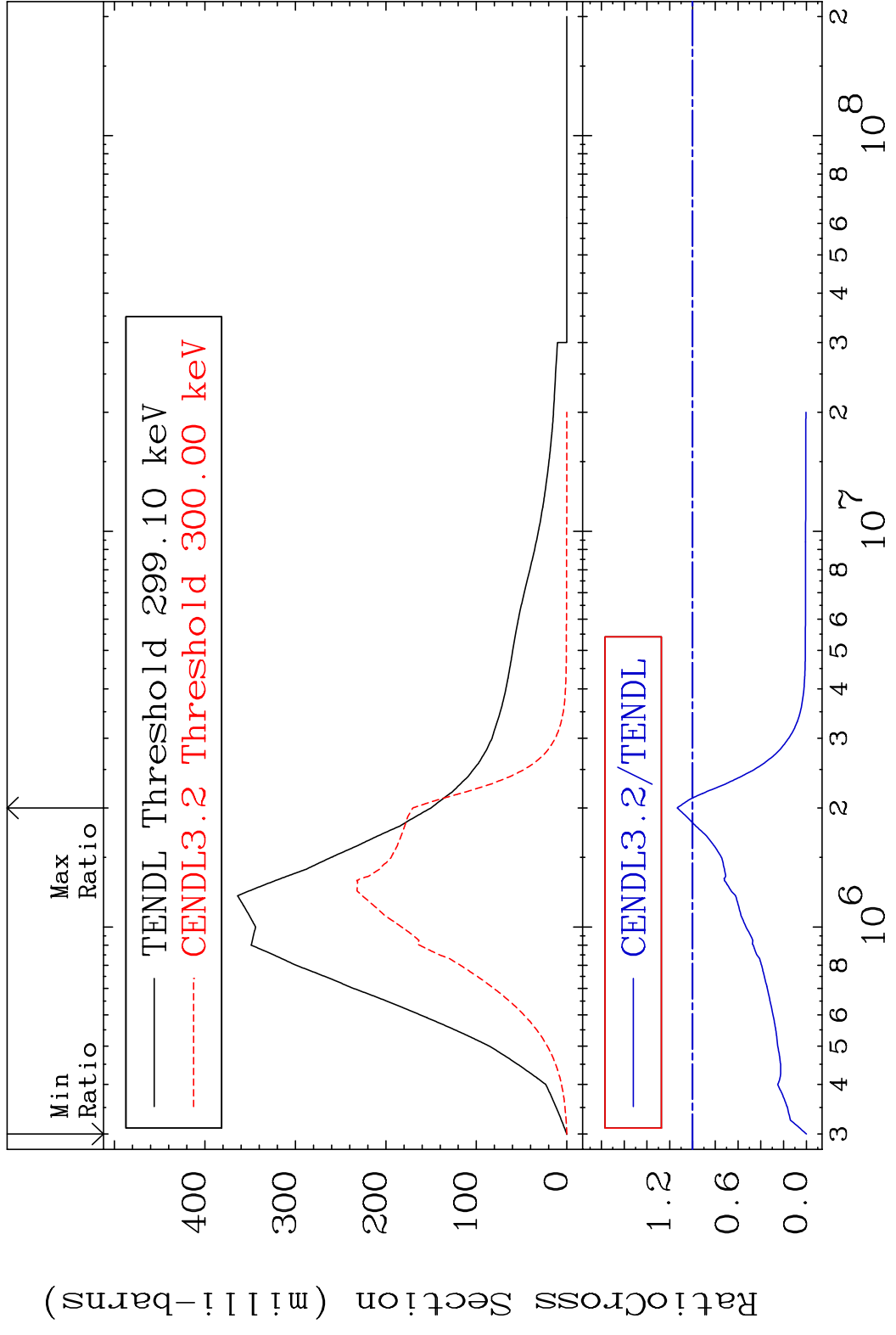
72-Hf-174

MAT 7225 MT= 51 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 193.6 %

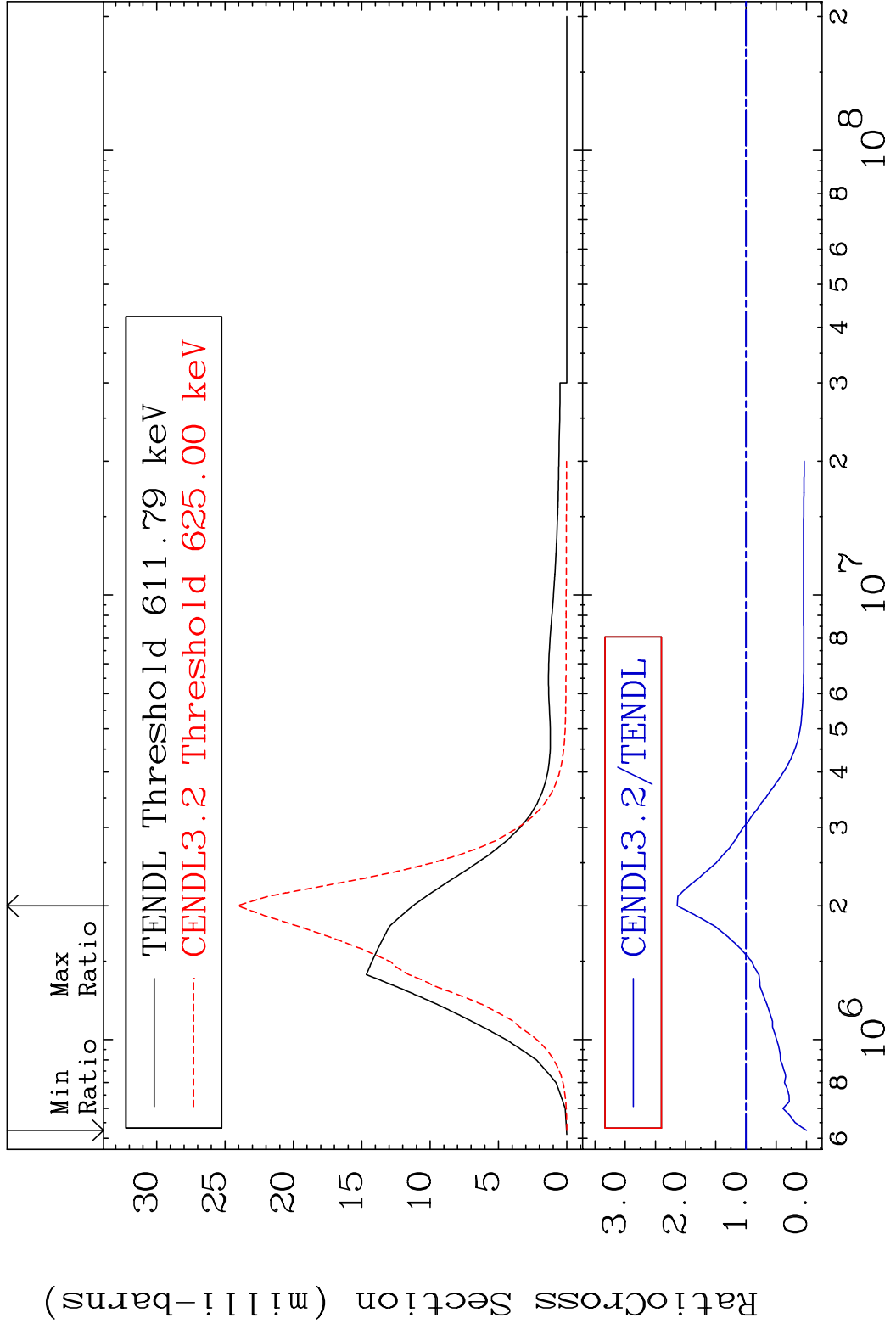


8 Incident Energy (eV) 72-Hf-174

MAT 7225 MT= 52 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 13.44 %

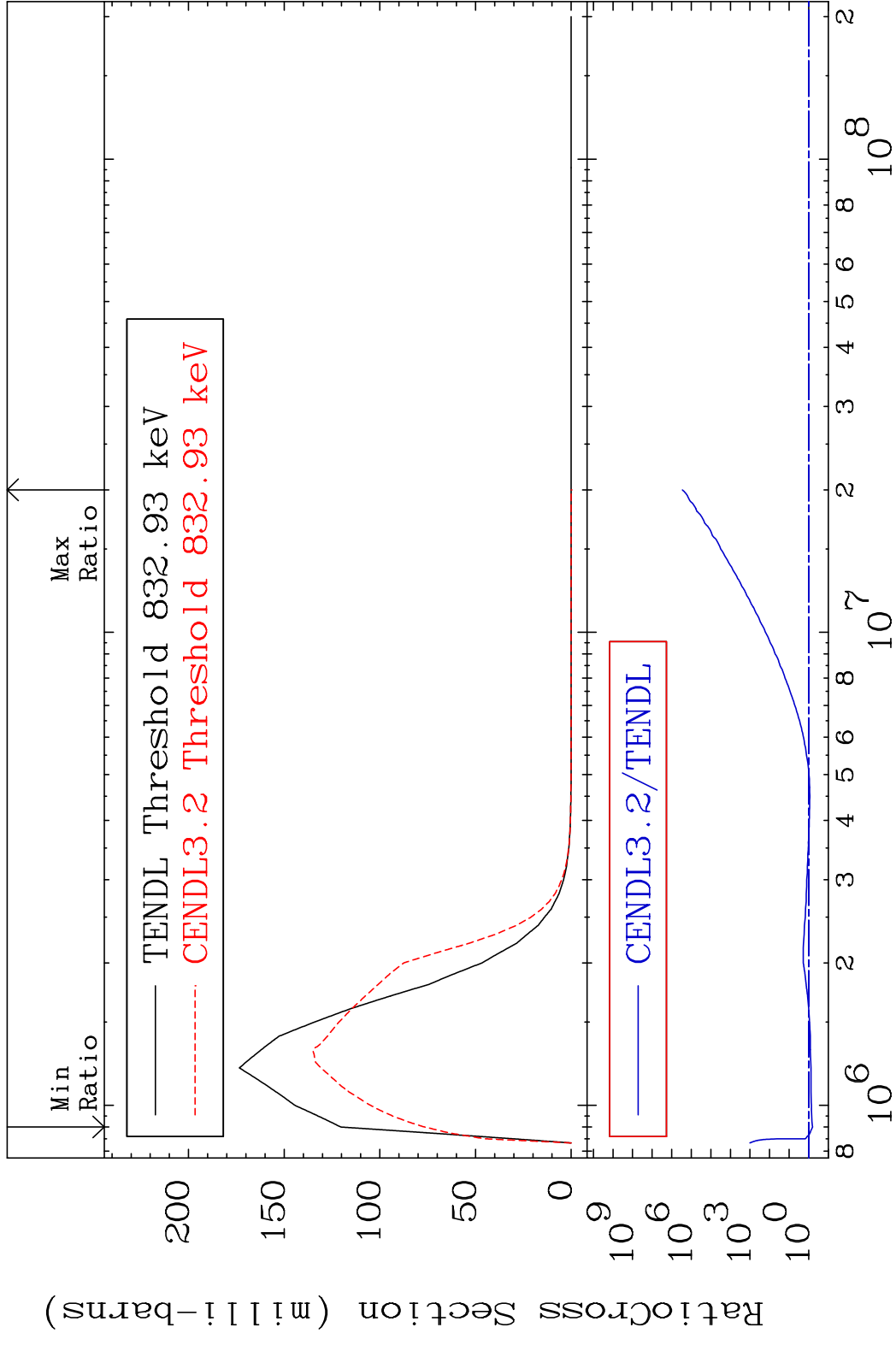


MAT 7225 MT= 53 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 113.9 %

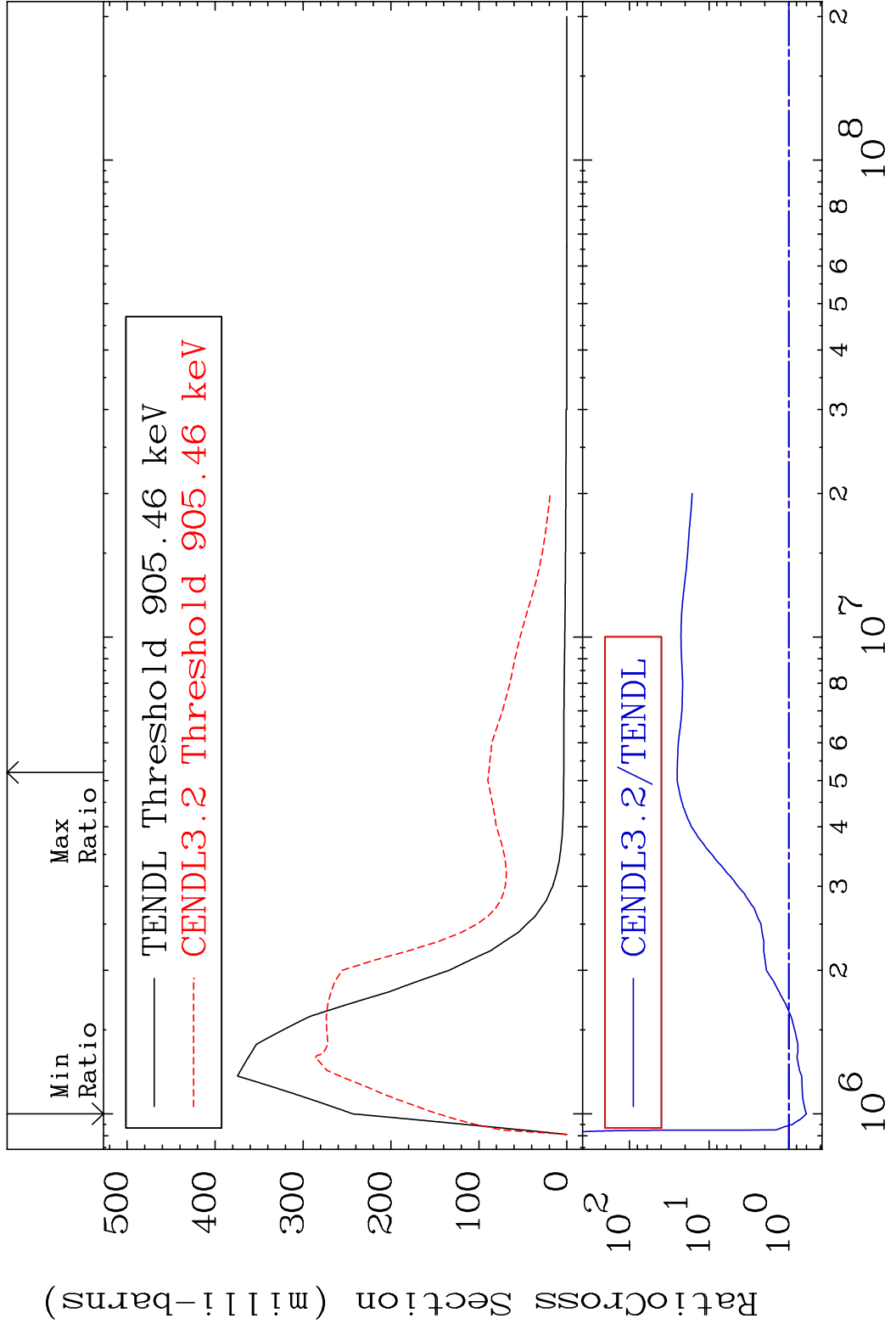


10 Incident Energy (eV) 72-Hf-174

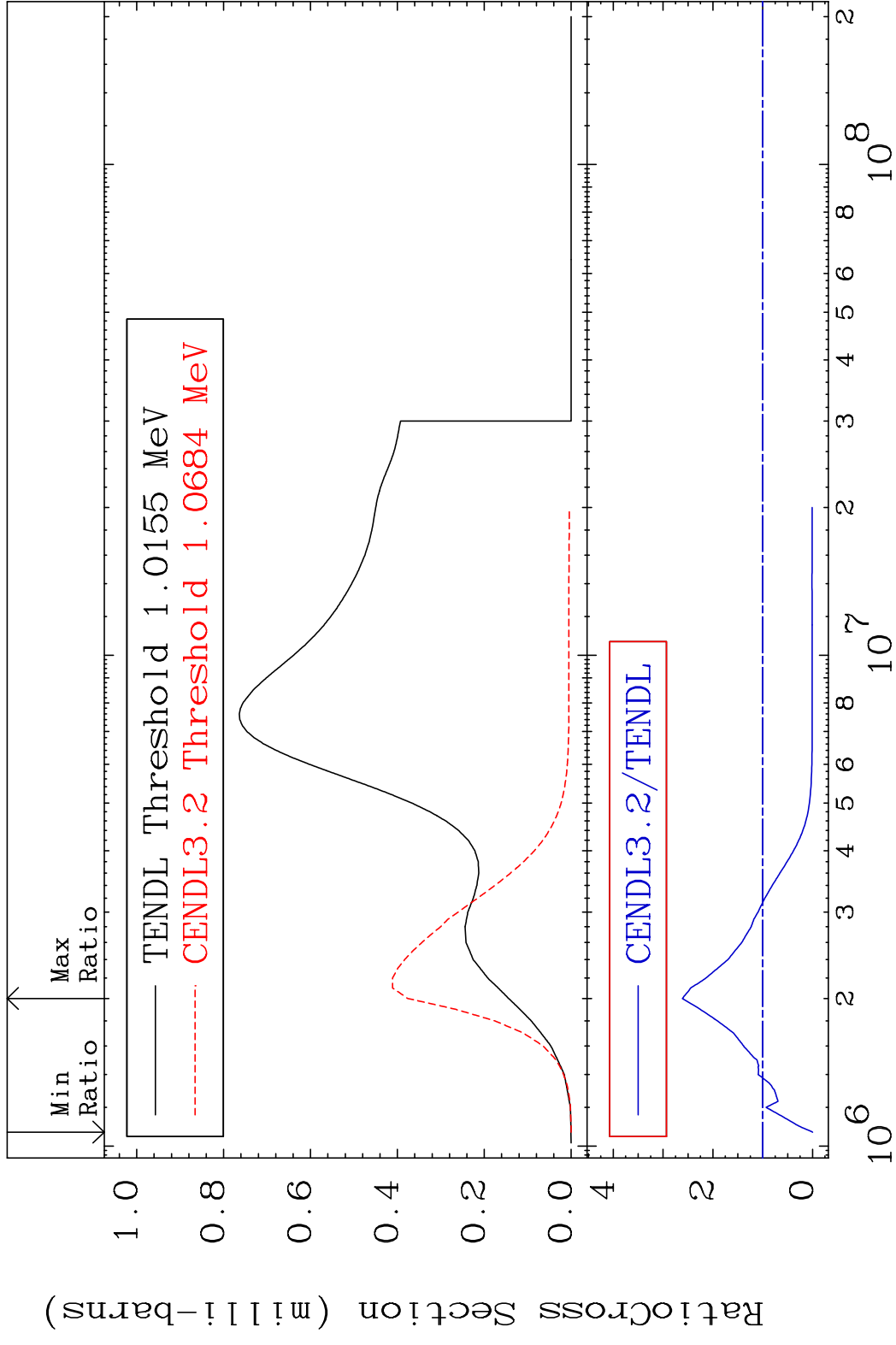
MAT 7225 MT= 54 (n, n') Level 72-Hf-174
 Cross Section -36.42 To 9999. %



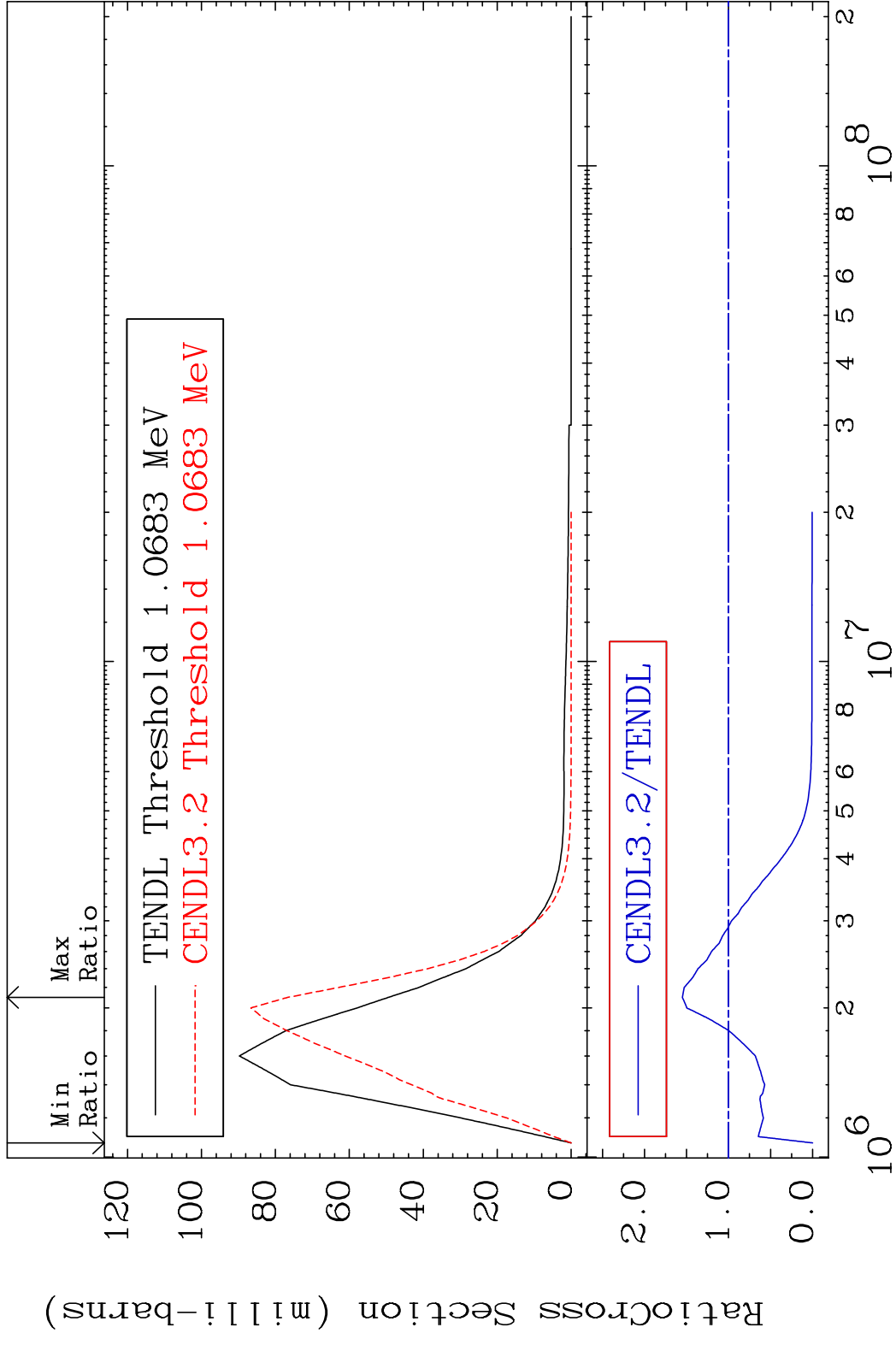
MAT 7225 MT= 55 (n,n') Level 72-Hf-174
 Cross Section -39.78 To 2424. %



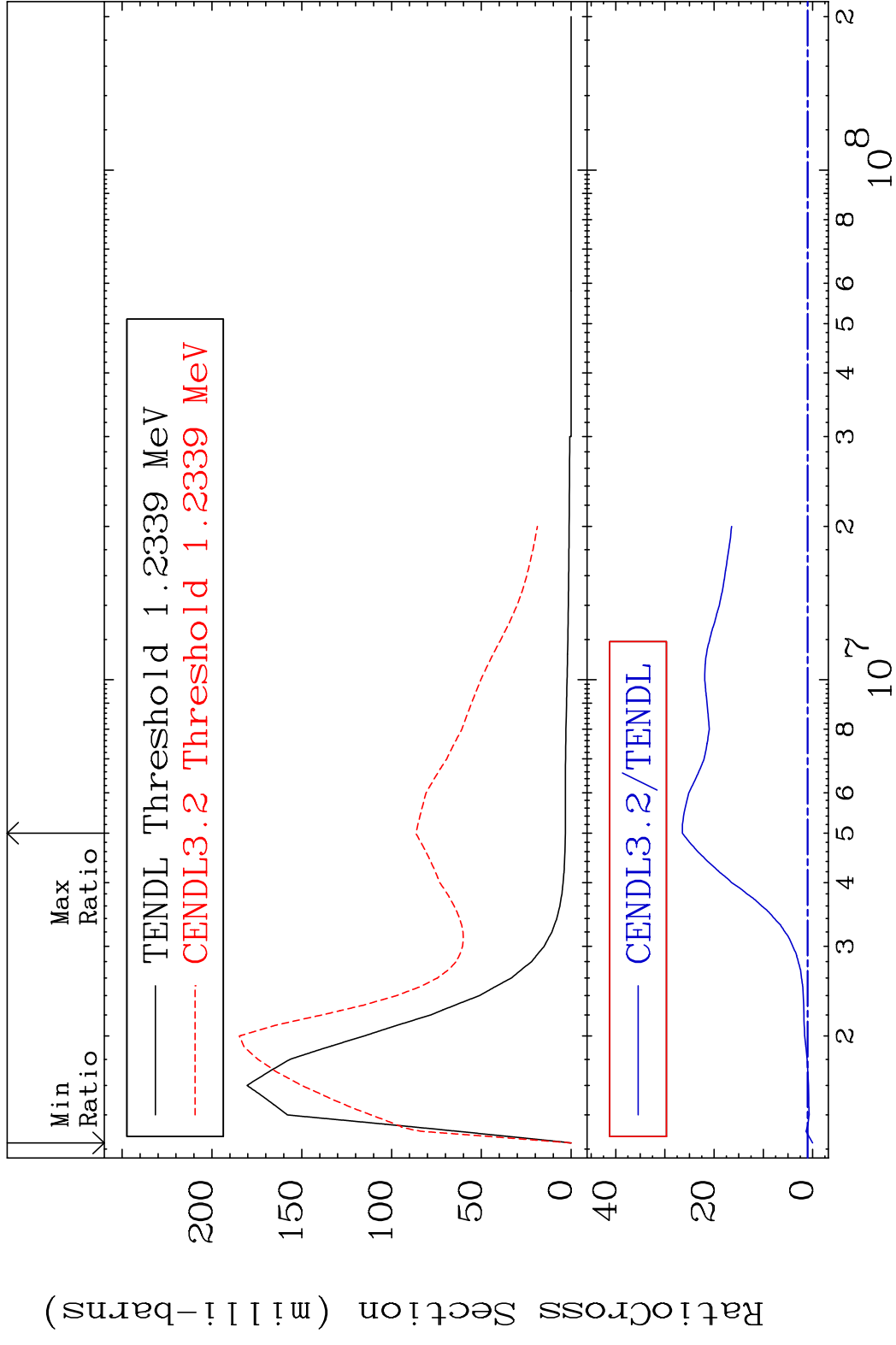
MAT 7225 MT= 56 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 161.3 %



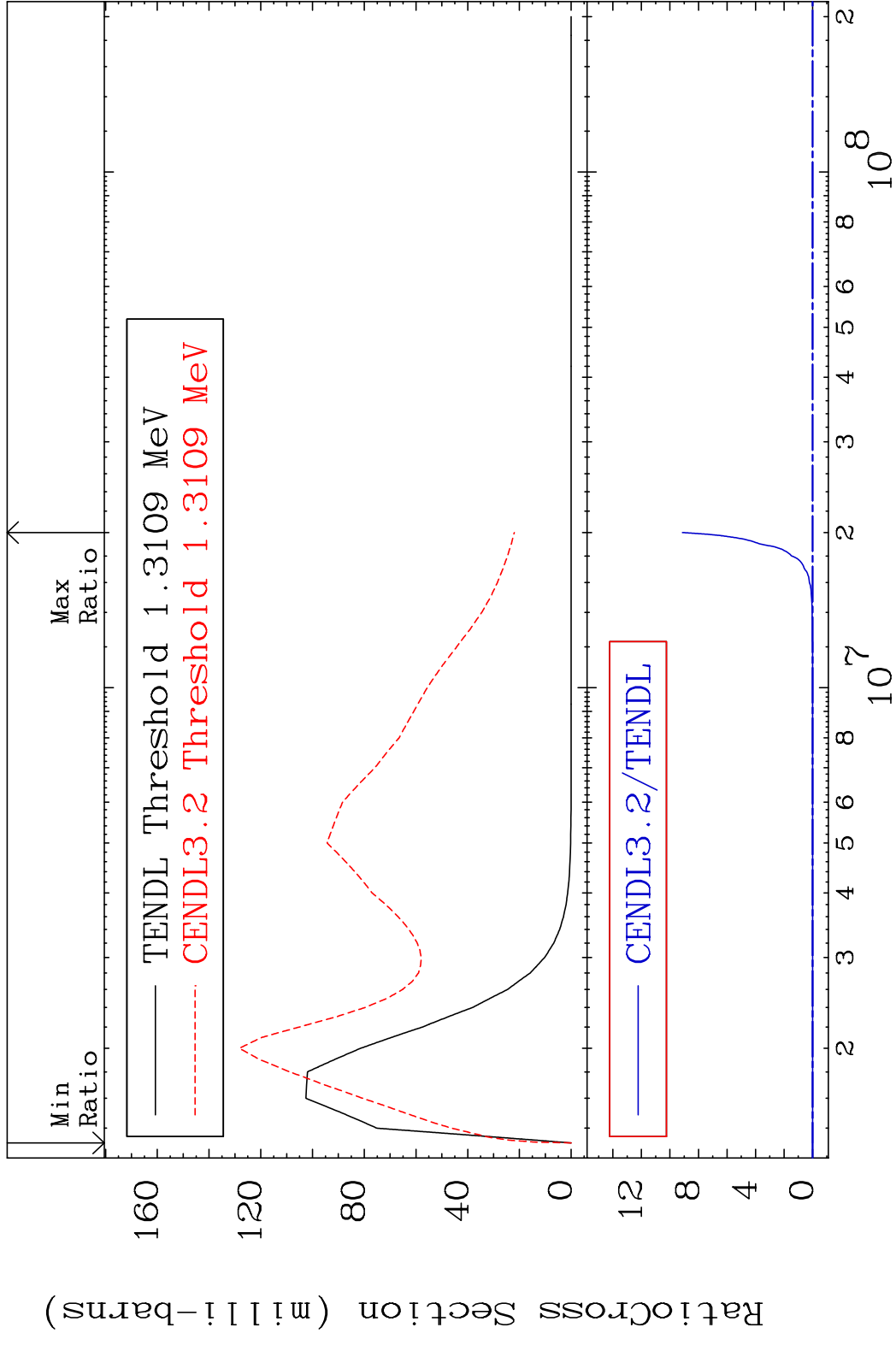
MAT 7225 MT= 57 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 54.94 %



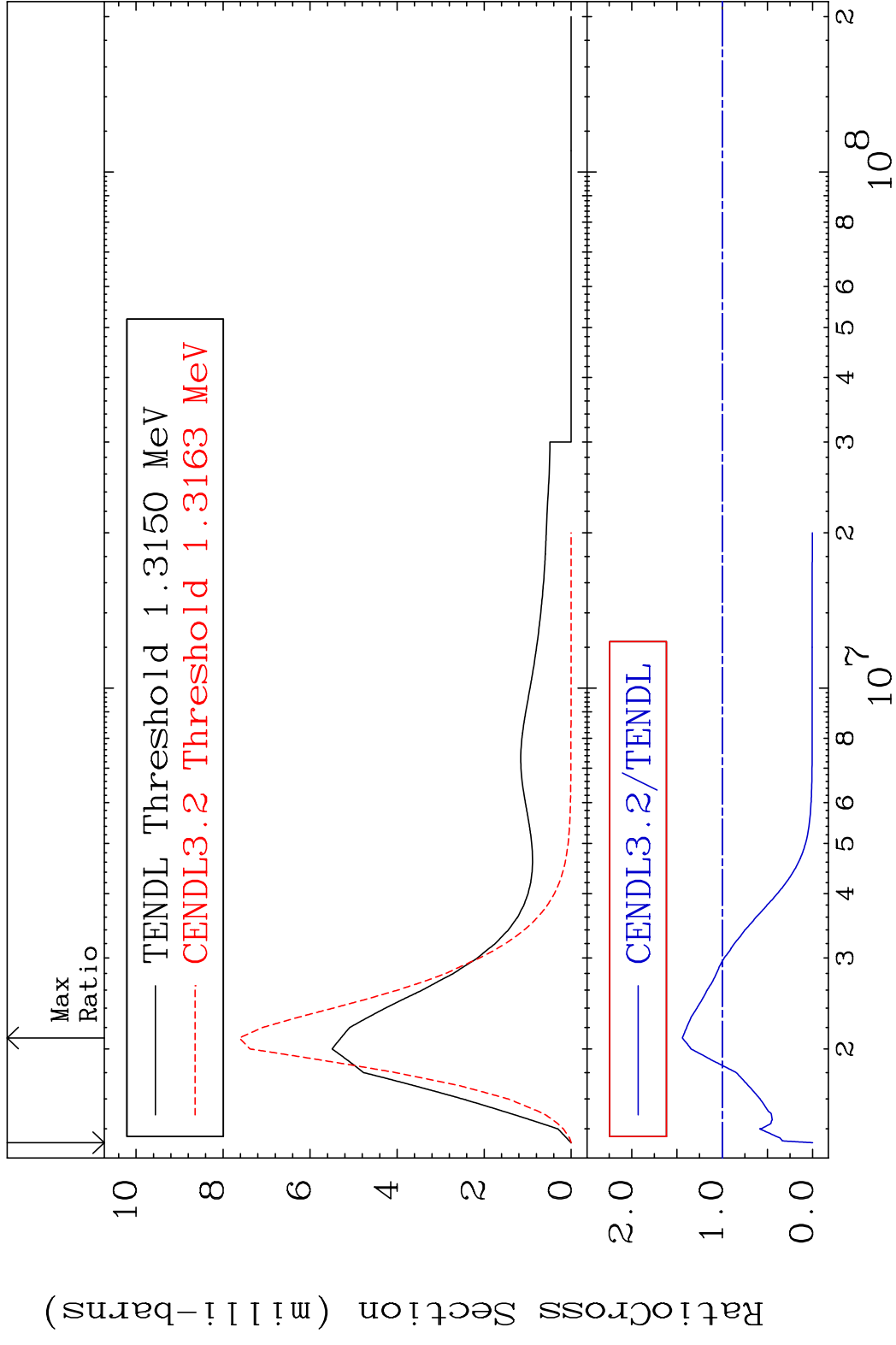
MAT 7225 MT= 58 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 2546. %



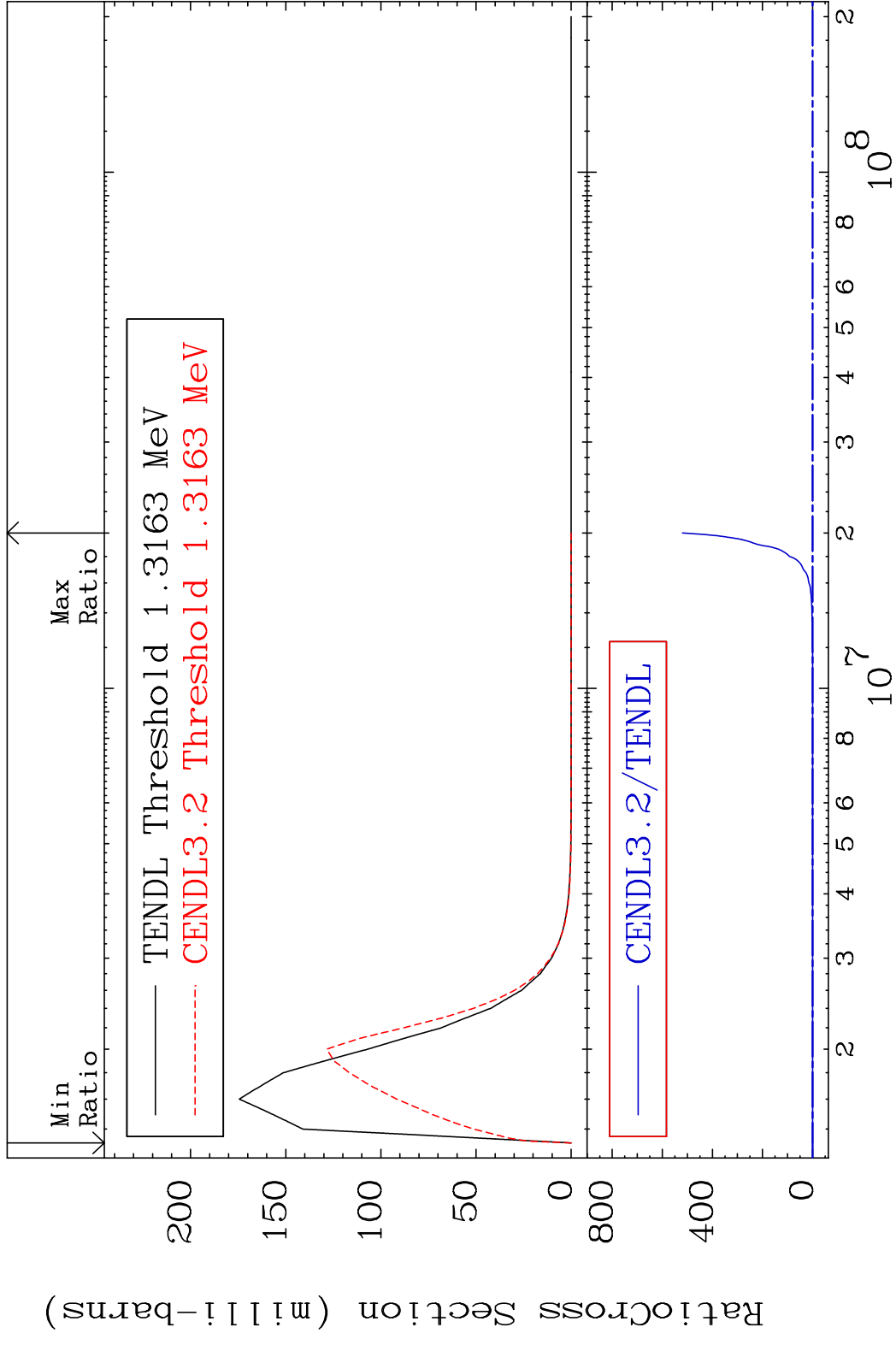
MAT 7225 MT= 59 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 9999. %



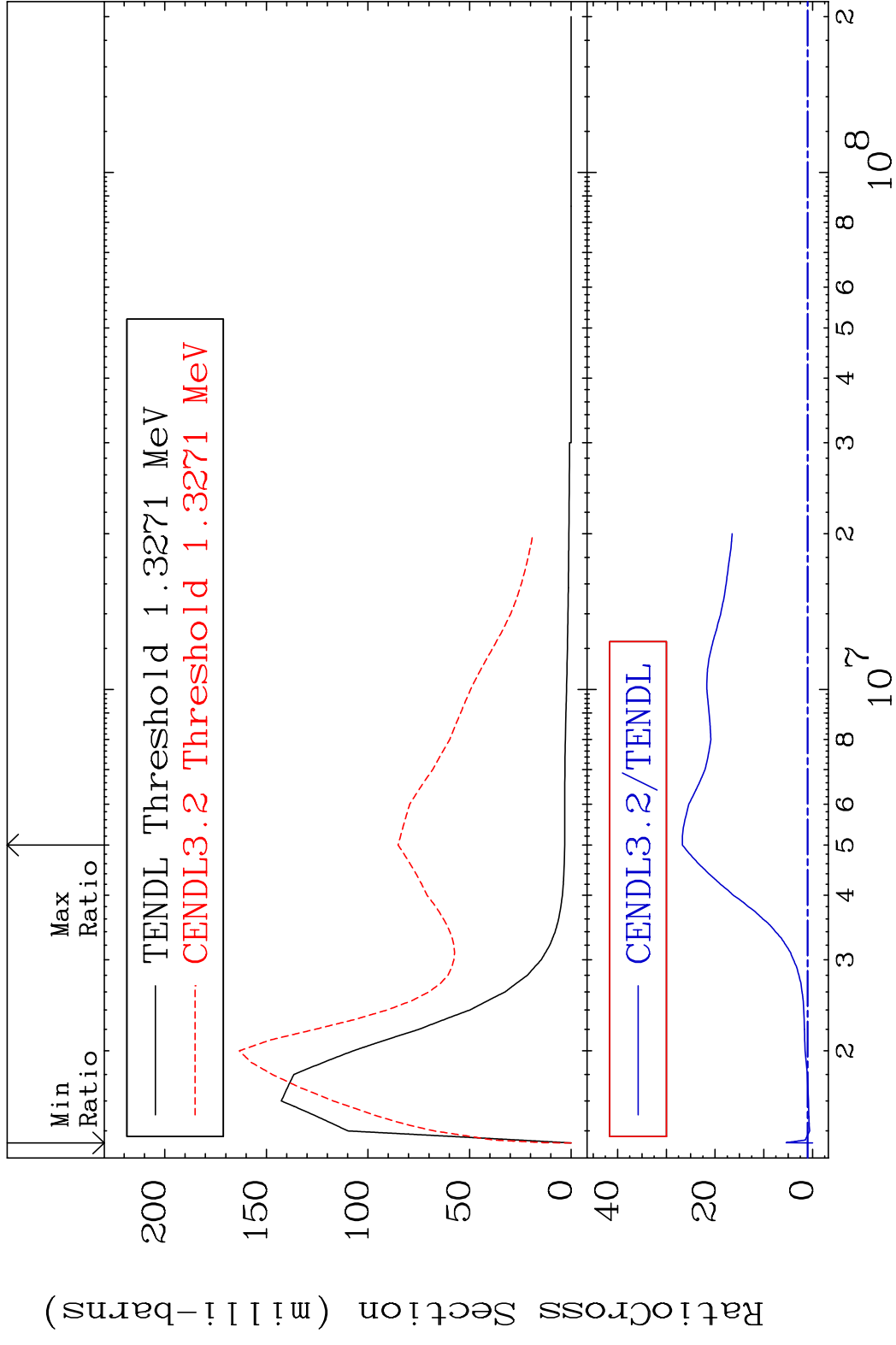
MAT 7225 MT= 60 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 44.09 %



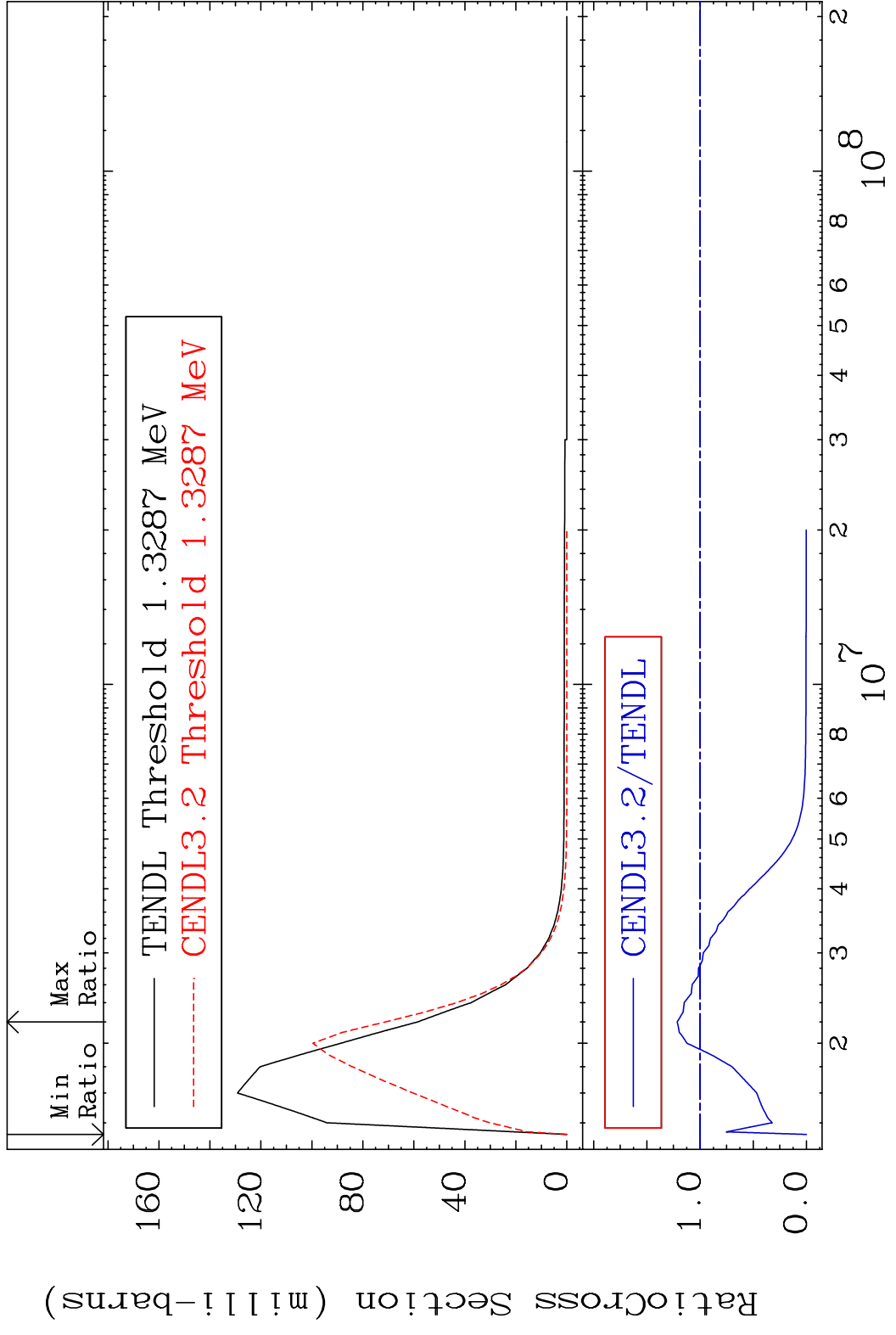
MAT 7225 MT= 61 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 9999. %



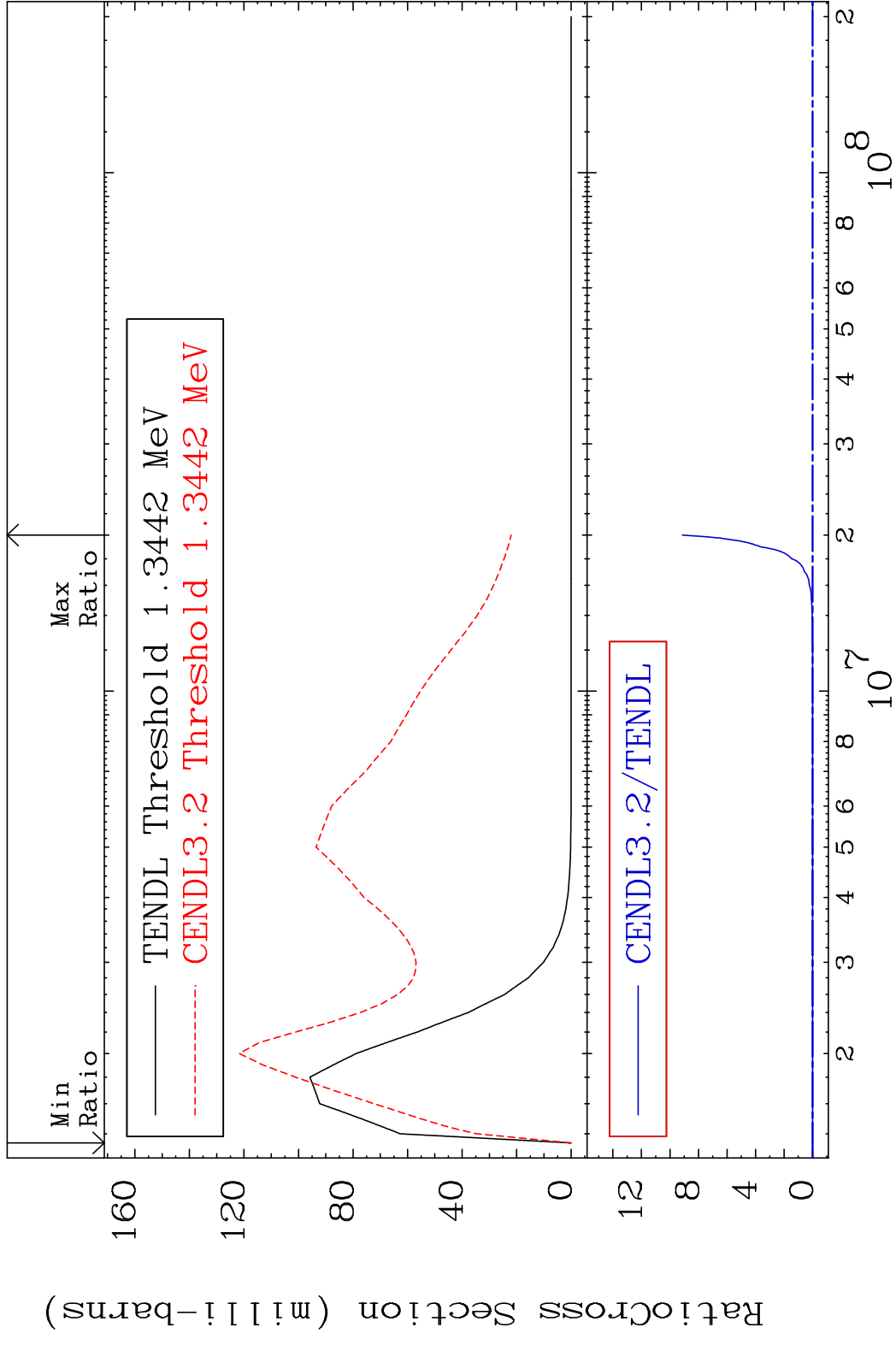
MAT 7225 MT= 62 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 2571. %



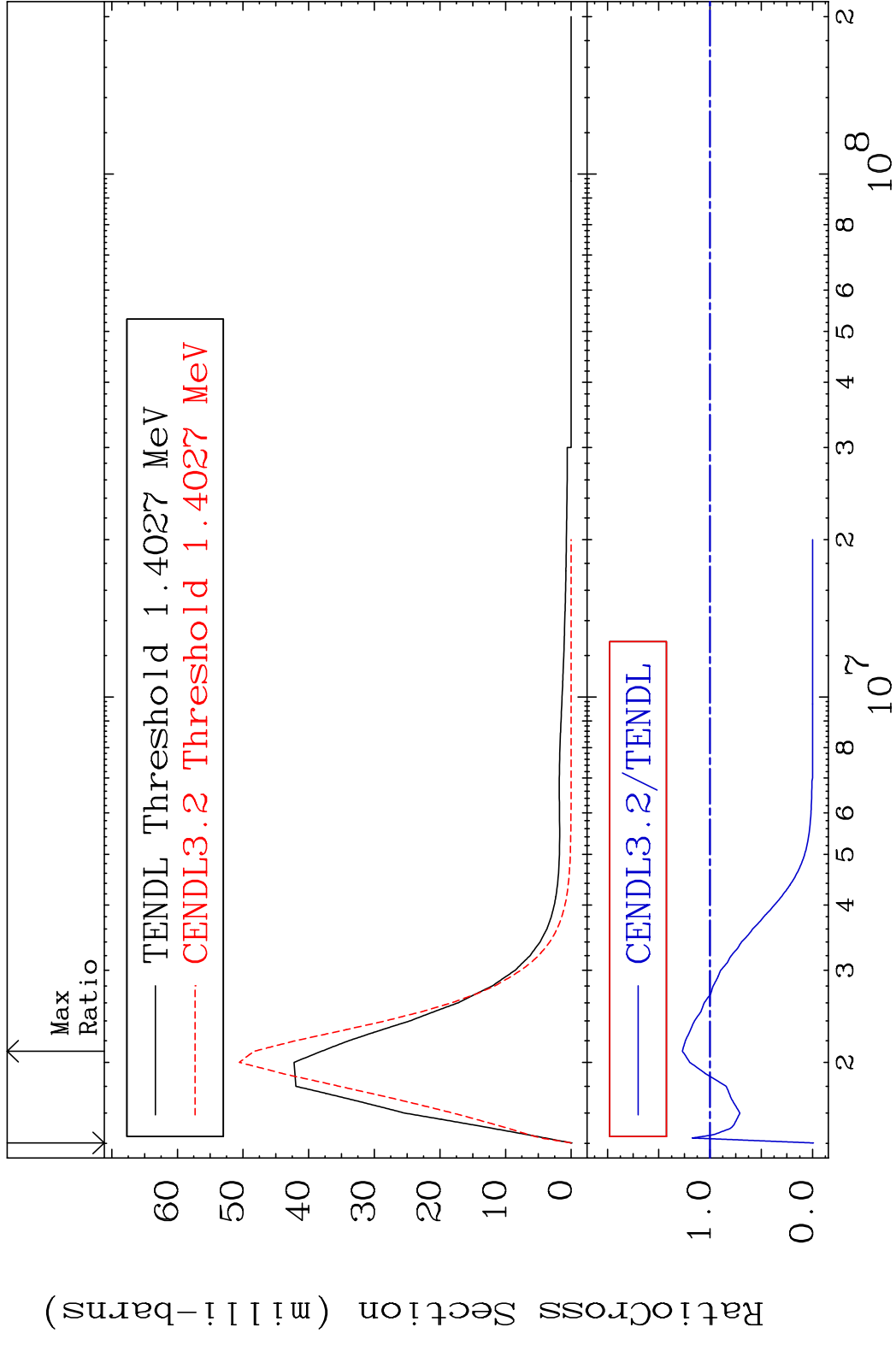
MAT 7225 MT= 63 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 21.50 %



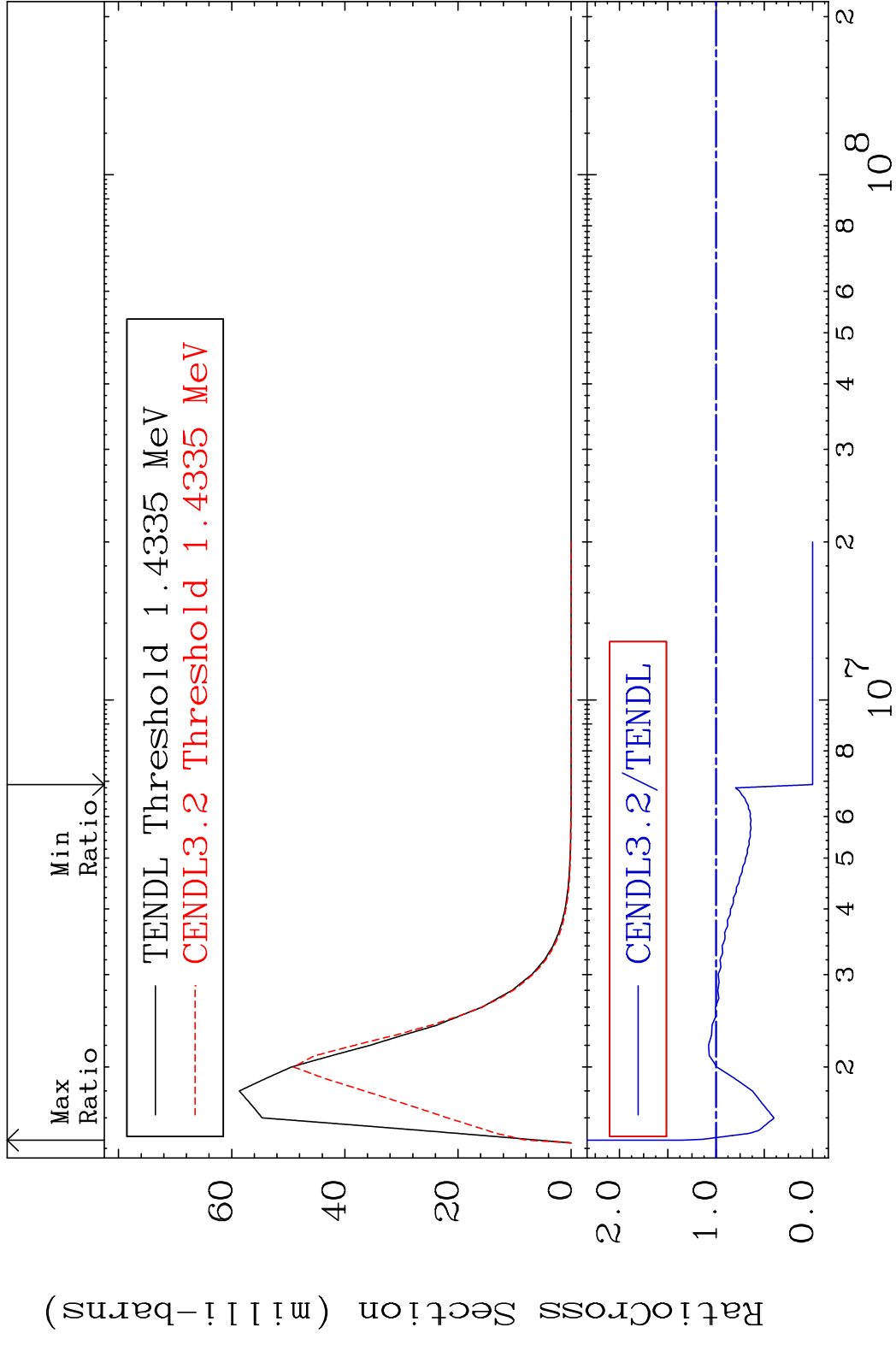
MAT 7225 MT= 64 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 9999. %



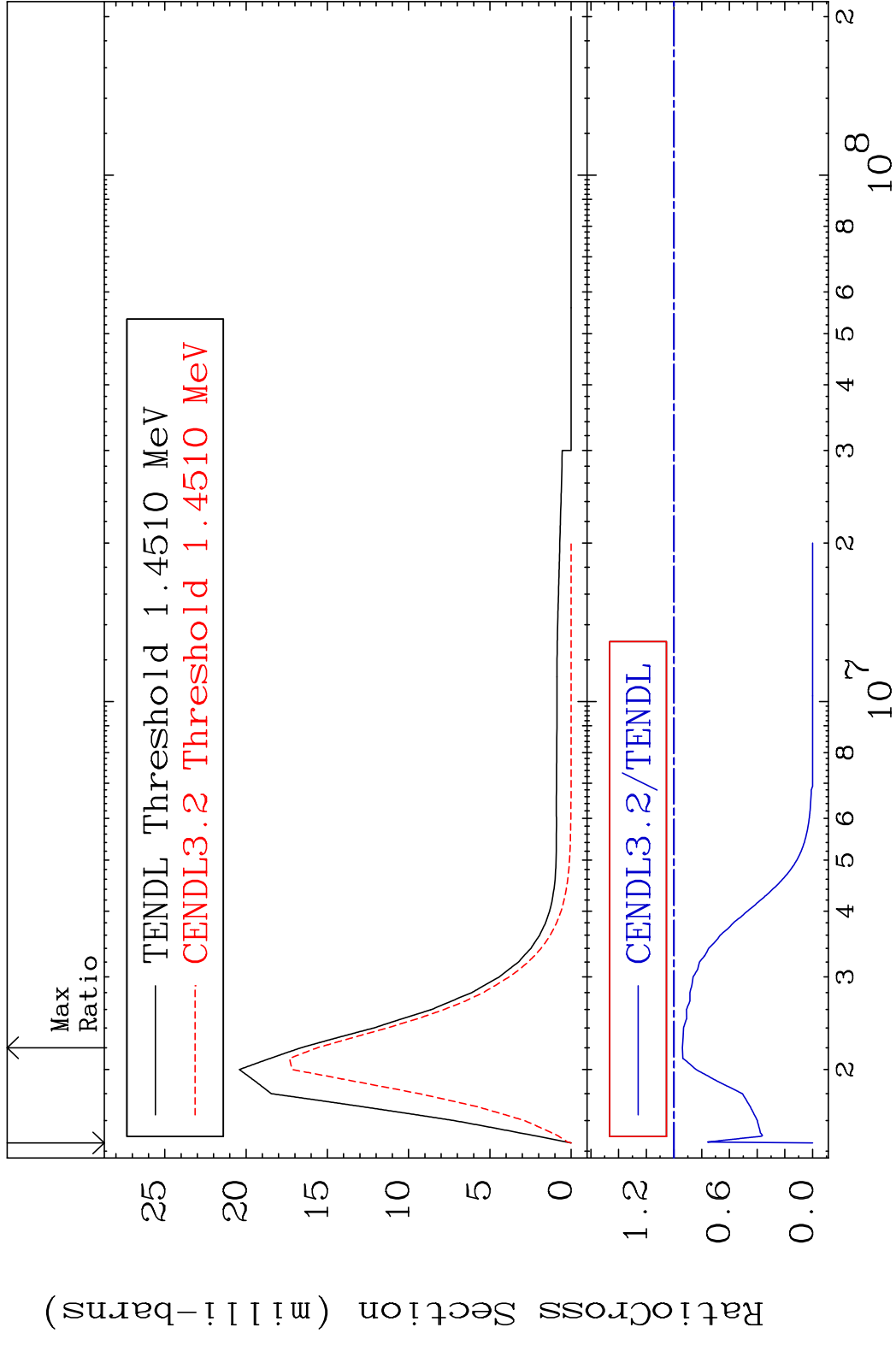
MAT 7225 MT= 65 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 27.00 %



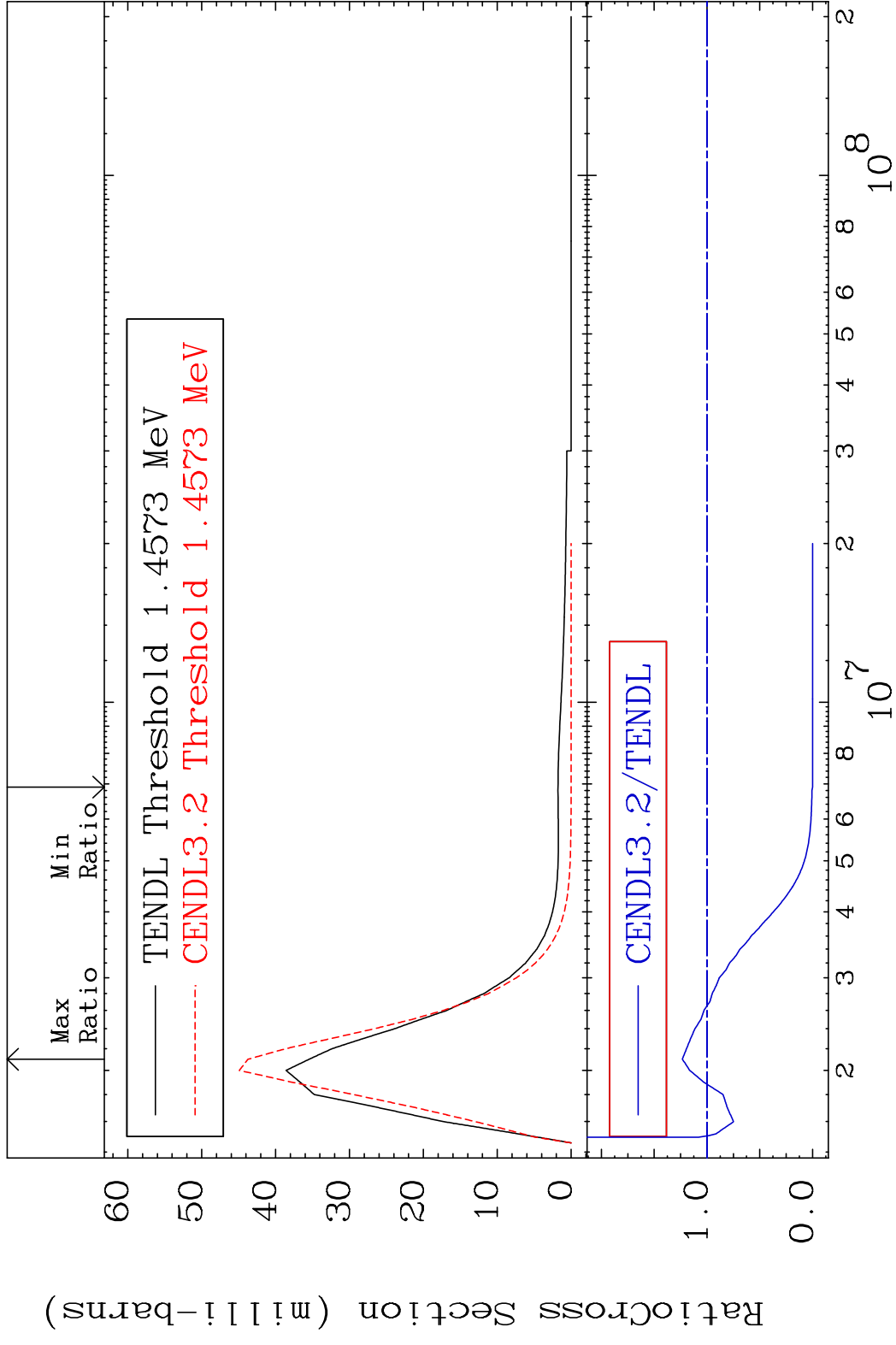
MAT 7225 MT= 66 (n,n') Level 72-Hf-174
 Cross Section -100.0 To 34.89 %



MAT 7225 MT= 67 (n, n') Level 72-Hf-174
 Cross Section -100.0 To -6.028%



MAT 7225 MT= 68 (n, n') Level 72-Hf-174
 Cross Section -100.0 To 23.34 %

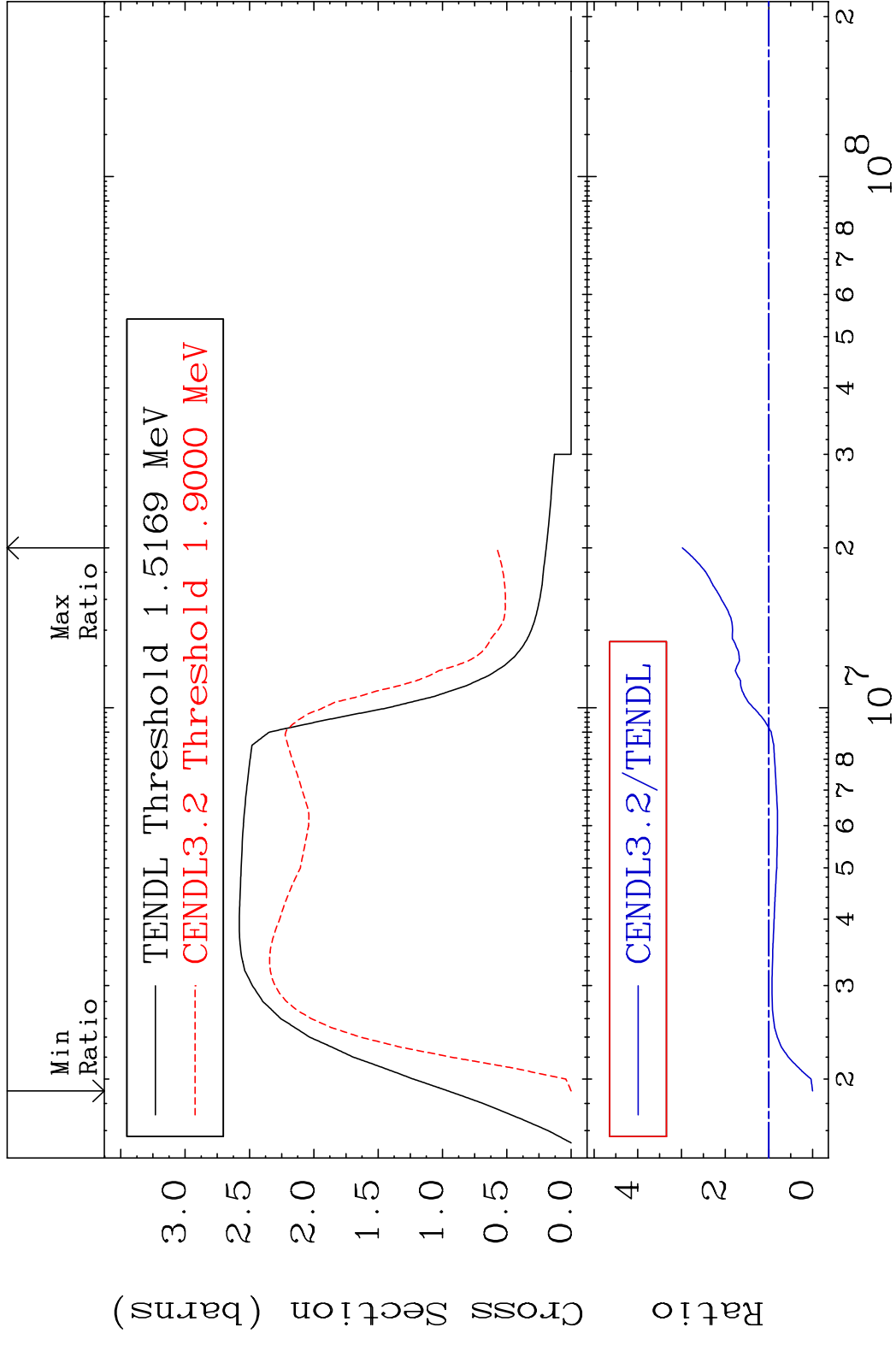


MAT 7225

(n,n') Continuum

72-Hf-174

Cross Section -100.0 To 197.9 %

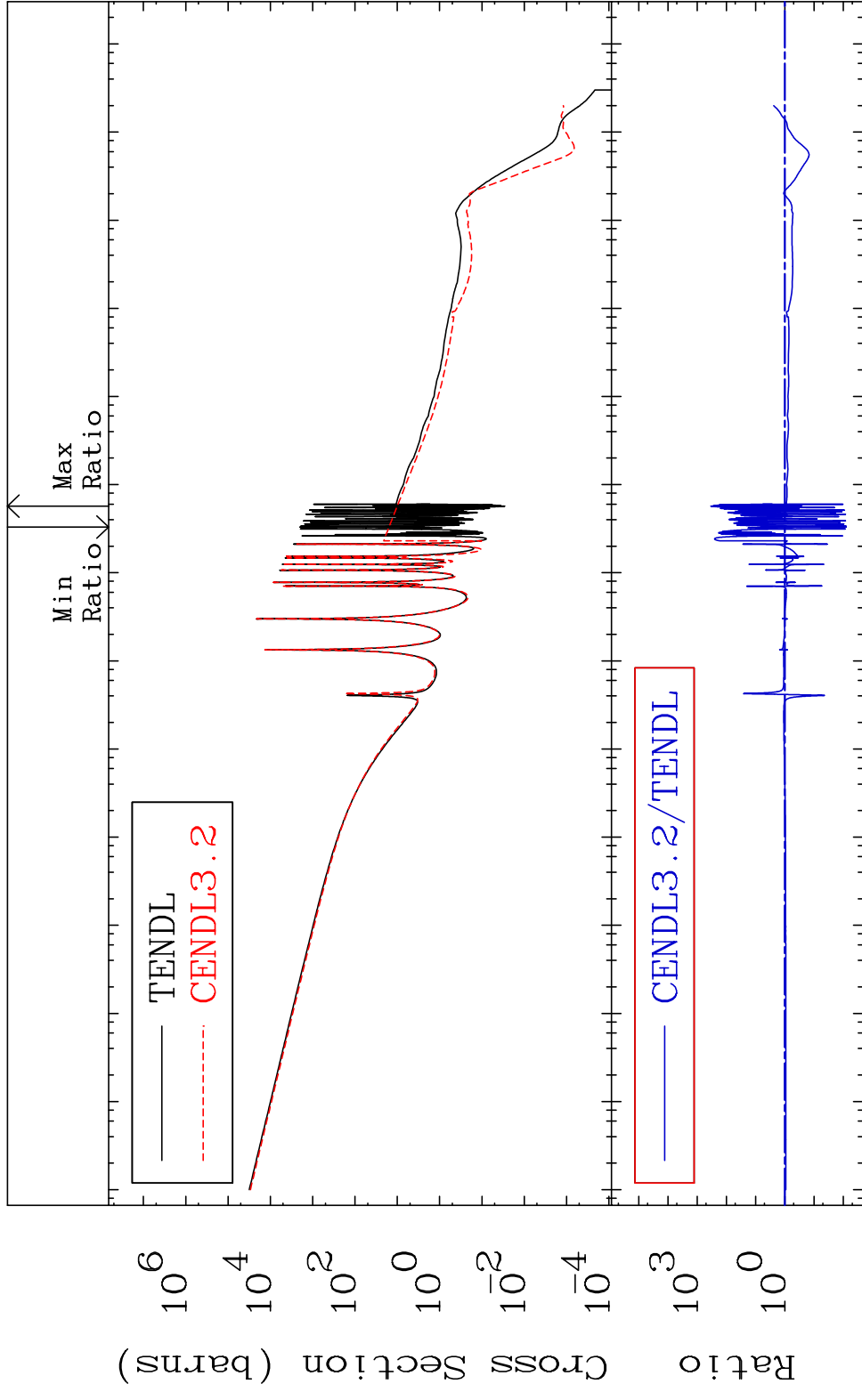


MAT 7225

72-Hf-174

(n, γ)

Cross Section -99.21 To 9999. %

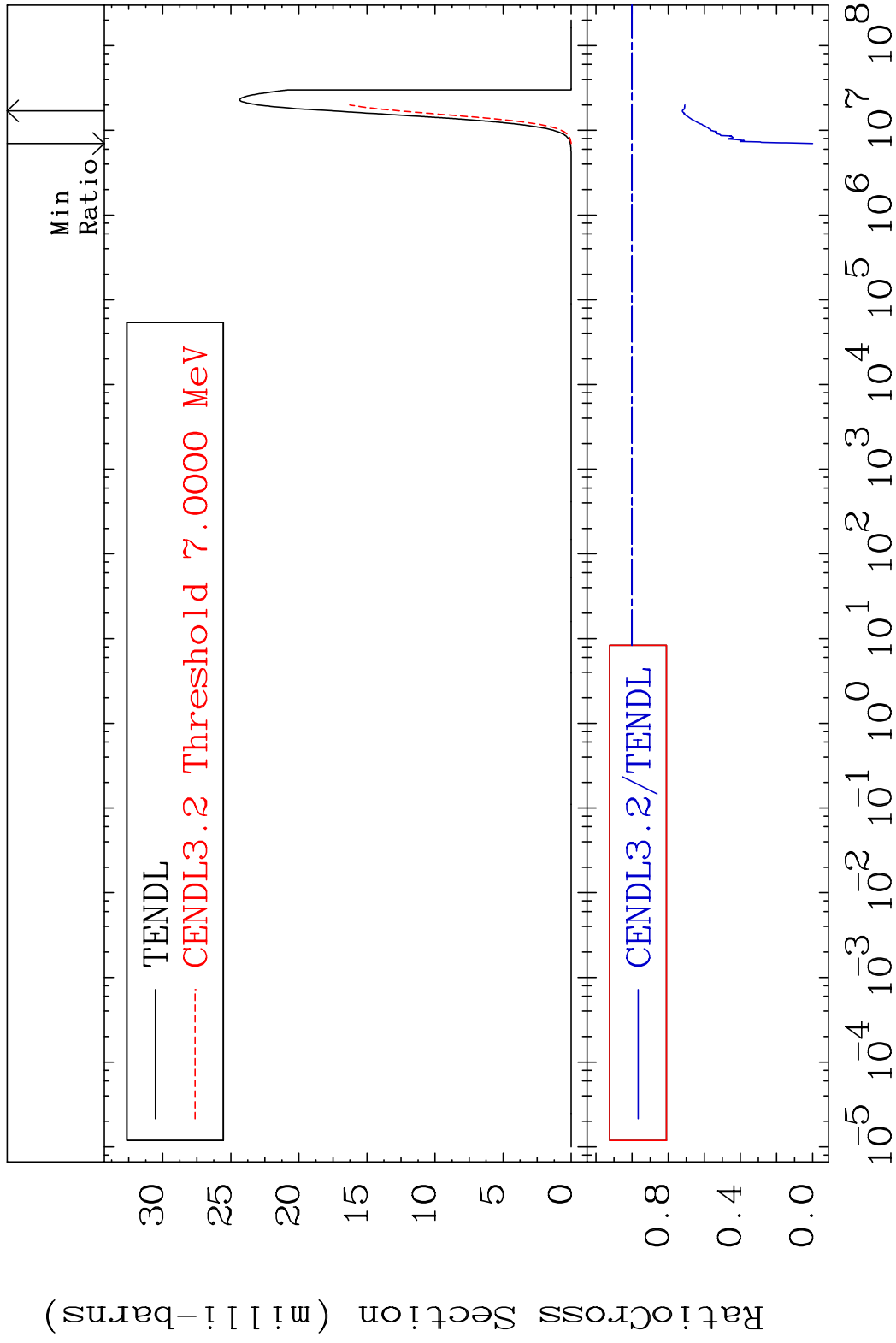


MAT 7225

(n, p)

72-Hf-174

Cross Section -100.0 To -27.86%



28

Incident Energy (eV)

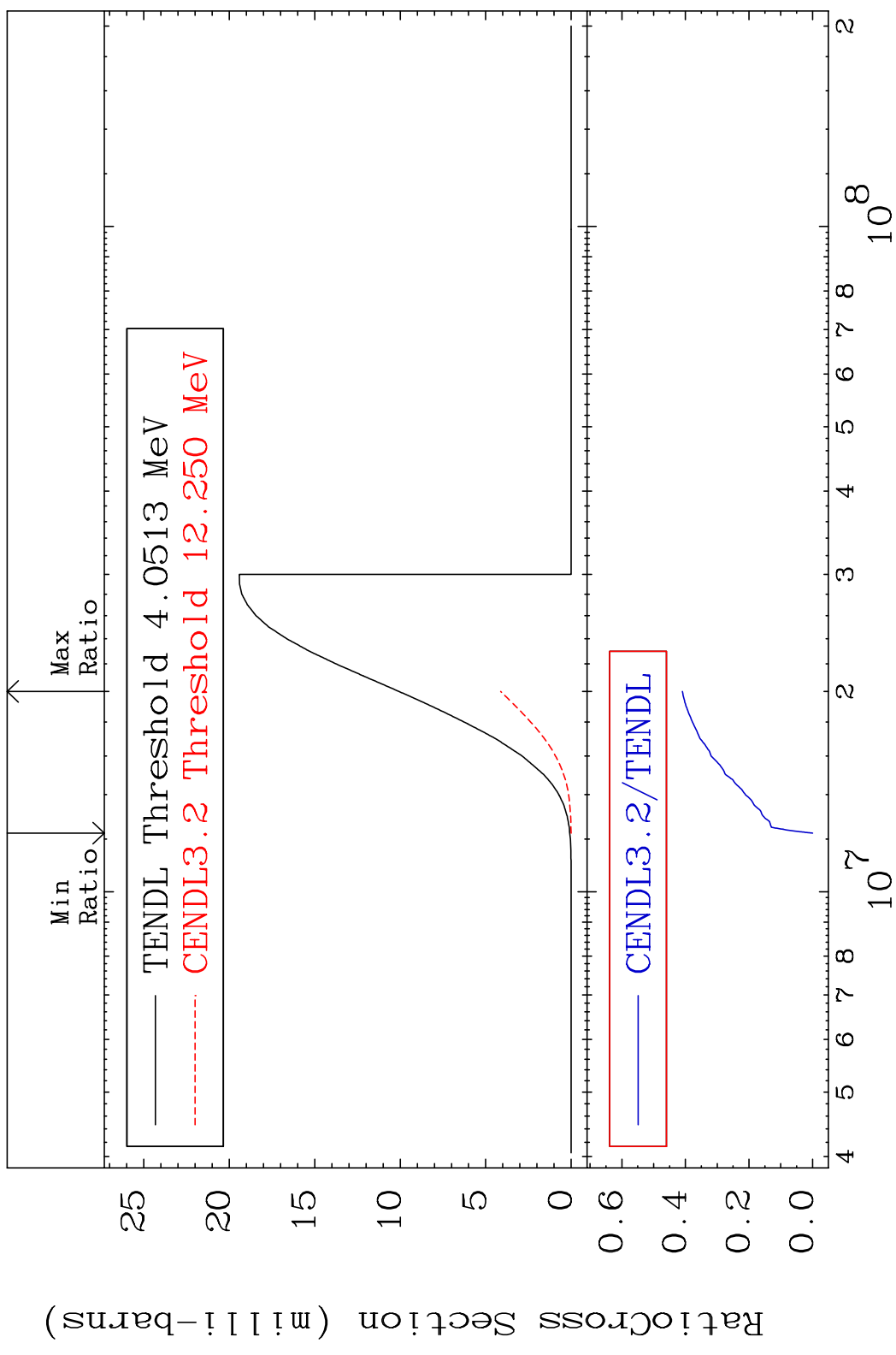
72-Hf-174

MAT 7225

(n, d)

72-Hf-174

Cross Section -100.0 To -59.04%

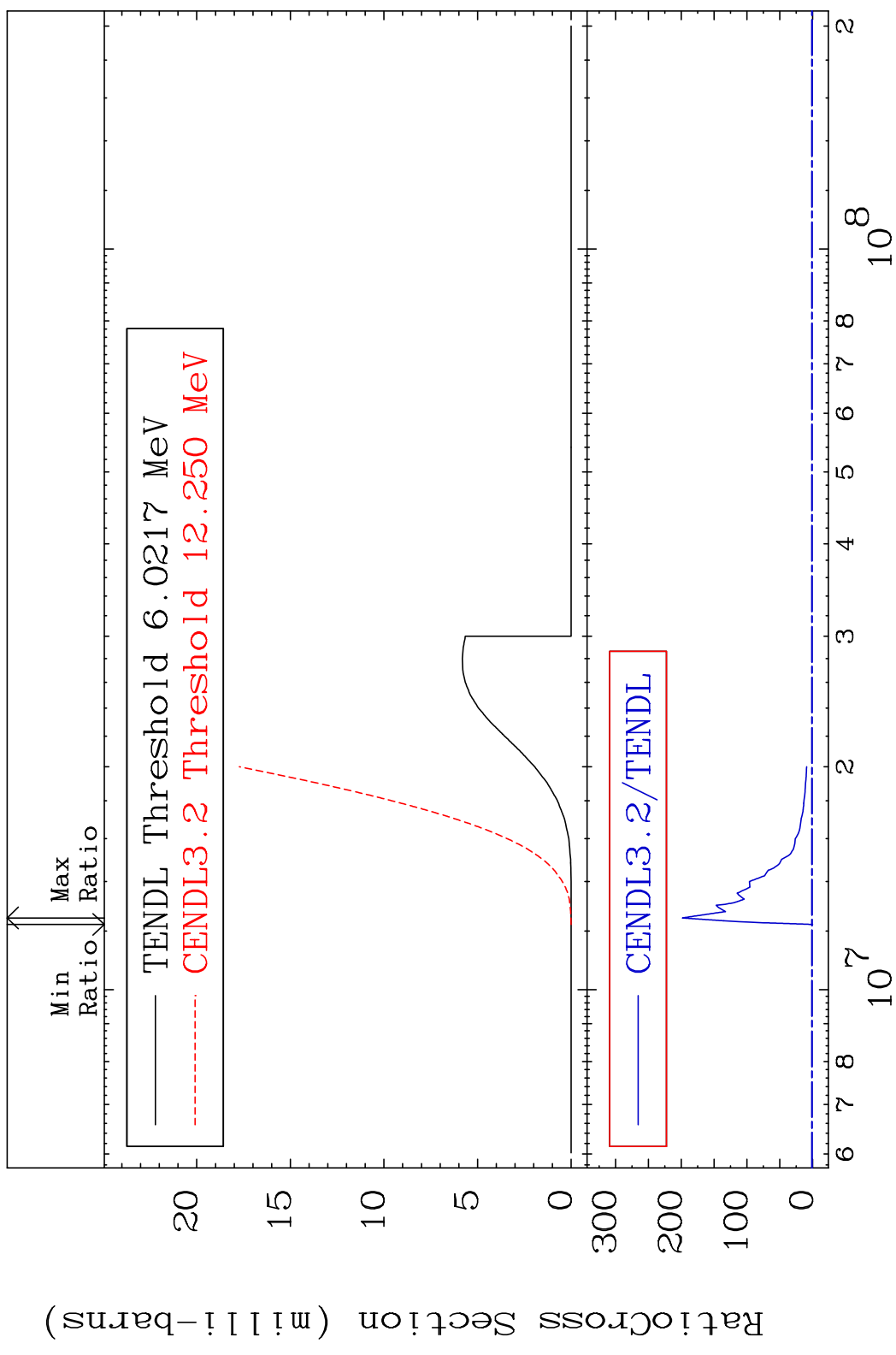


MAT 7225

(n, t)

72-Hf-174

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

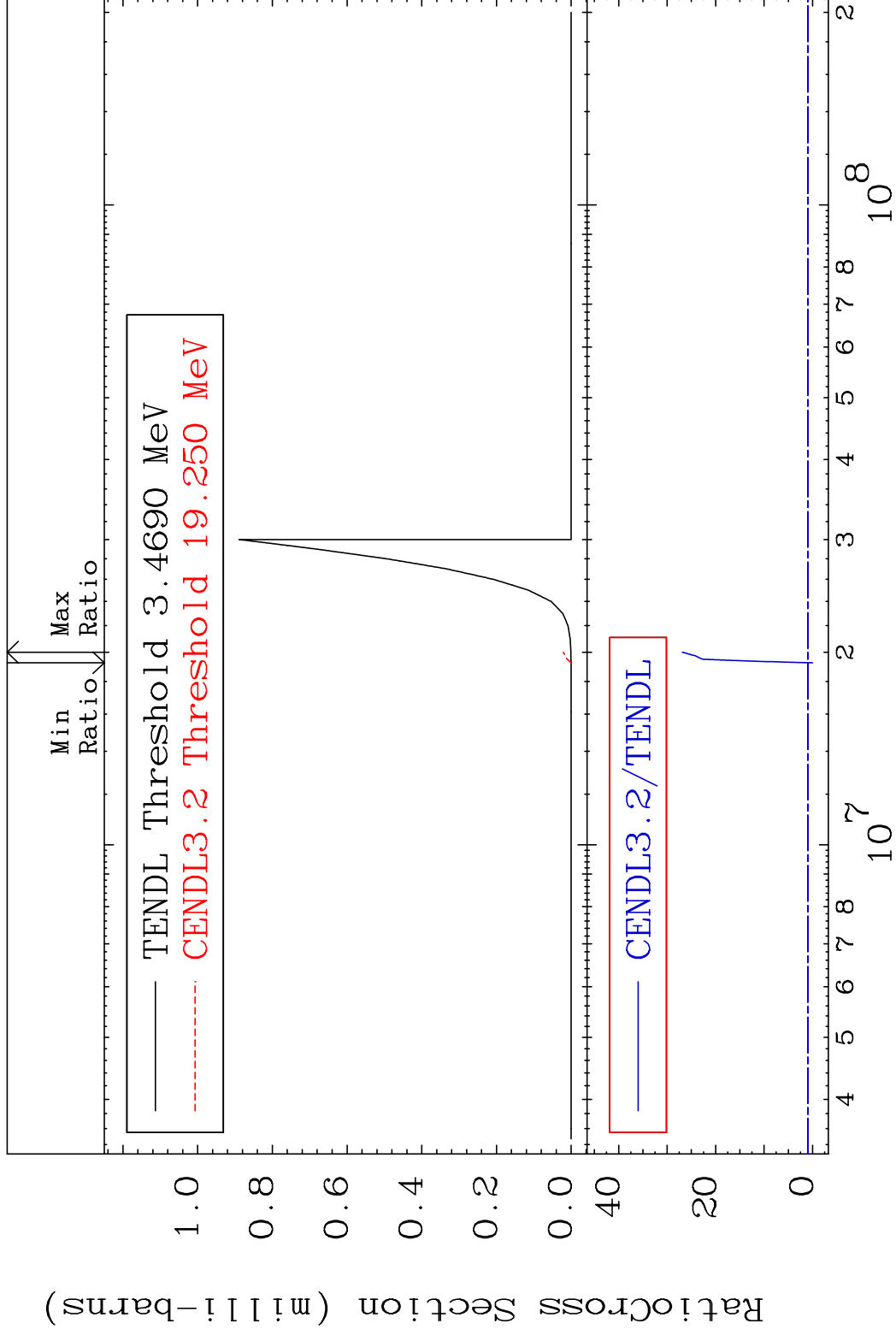
72-Hf-174

MAT 7225

(n, He-3)

72-Hf-174

Cross Section -100.0 To 2586. %



31

Incident Energy (eV)

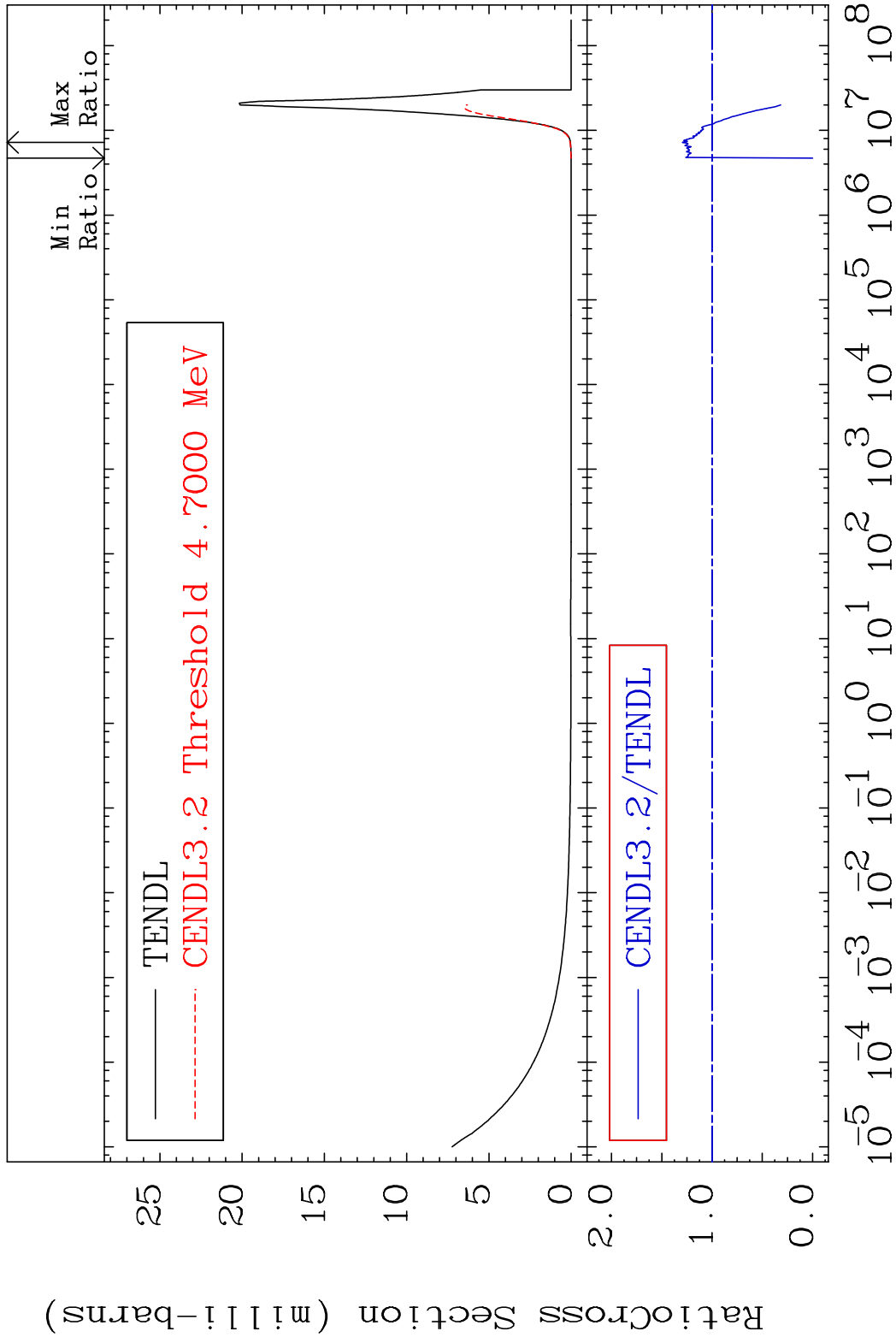
72-Hf-174

MAT 7225

(n, α)

72-Hf-174

Cross Section -100.0 To 29.52 %



32

Incident Energy (eV)

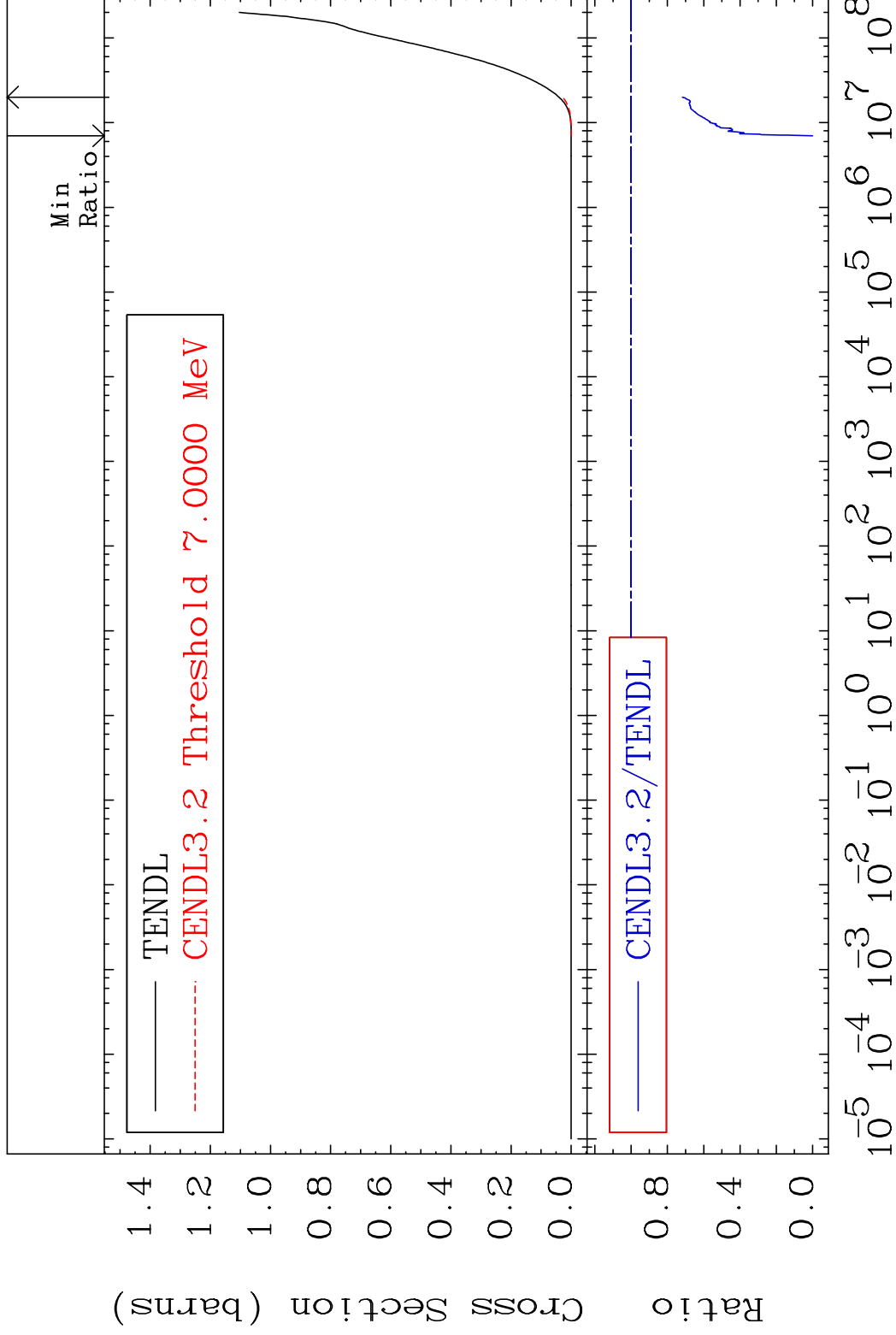
72-Hf-174

MAT 7225

Hydrogen Production

72-Hf-174

Cross Section -100.0 To -28.22%

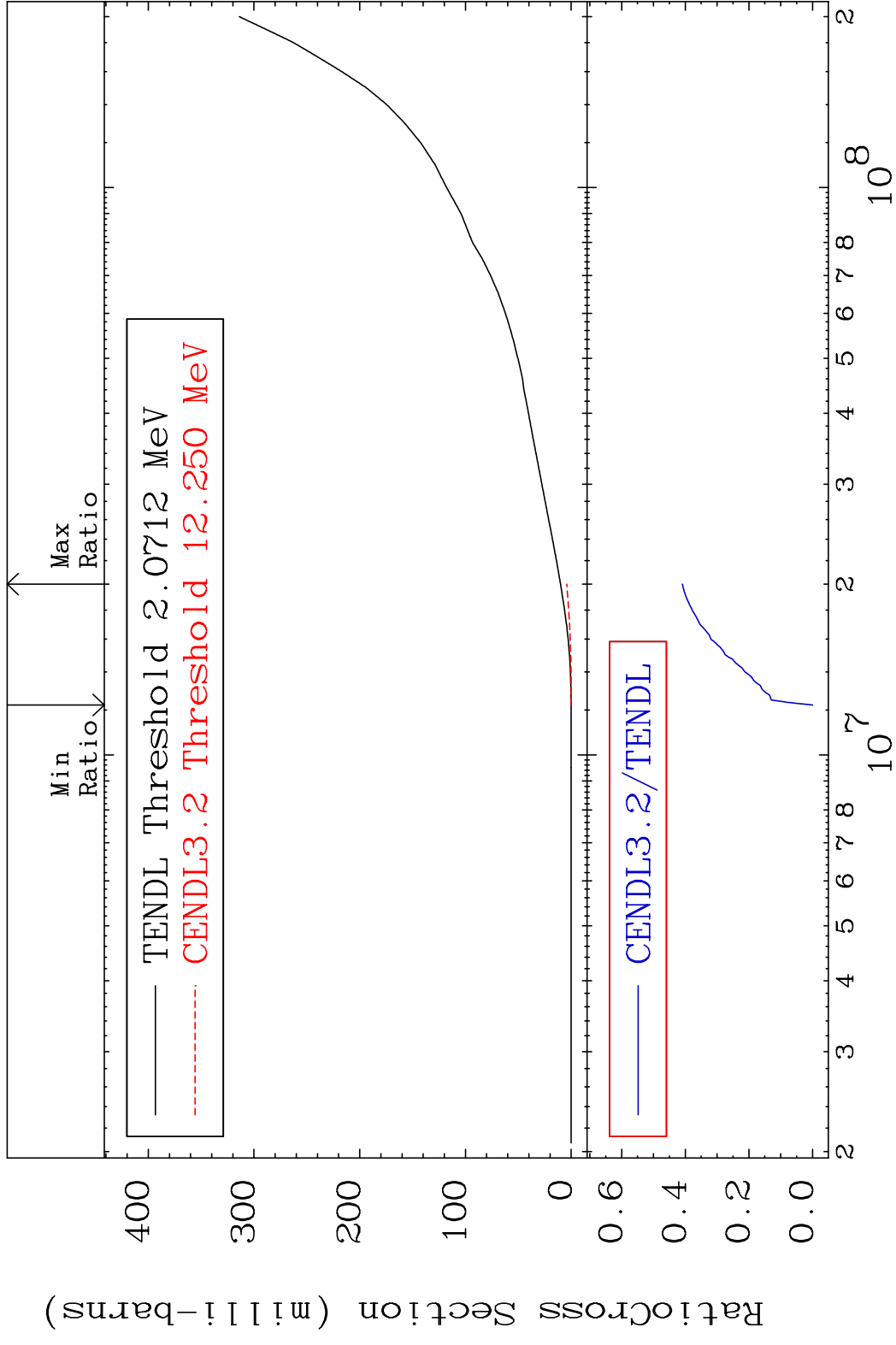


33

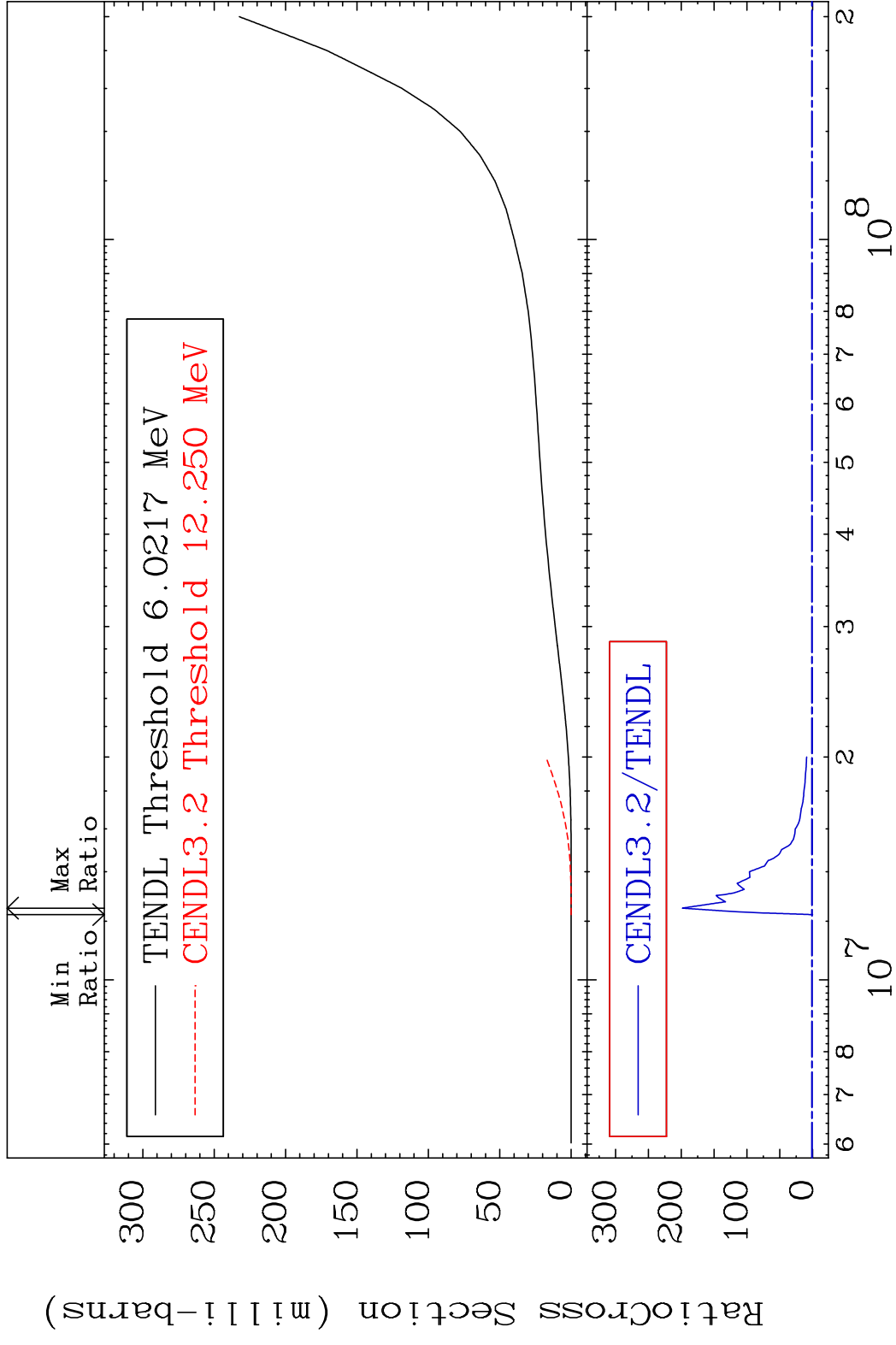
Incident Energy (eV)

72-Hf-174

MAT 7225 Deuterium Production 72-Hf-174
 Cross Section -100.0 To -59.08%



MAT 7225 Tritium Production 72-Hf-174
 Cross Section -100.0 To 9999. %

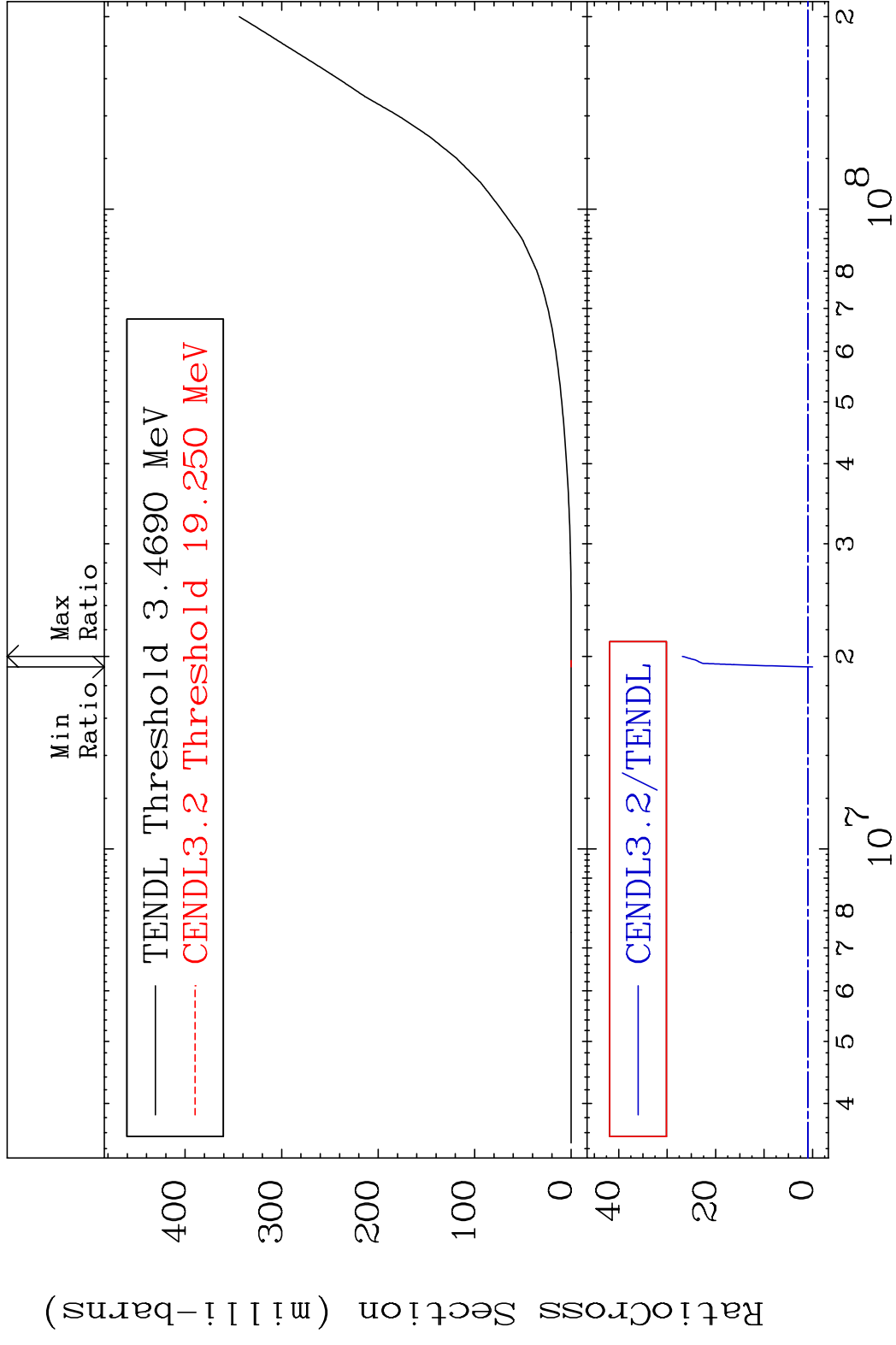


MAT 7225

He-3 Production

72-Hf-174

Cross Section -100.0 To 2586. %

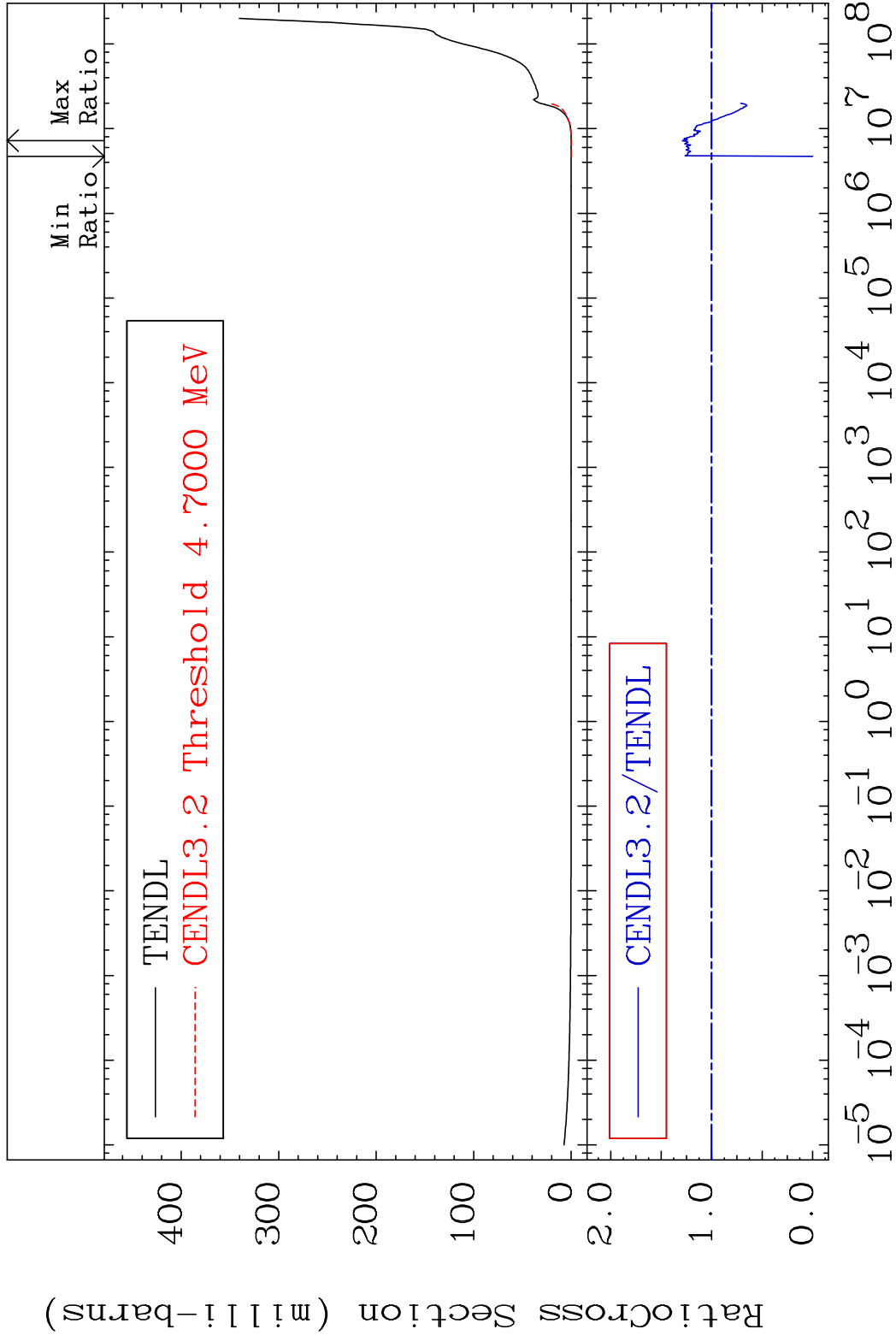


MAT 7225

He-4 Production

72-Hf-174

Cross Section -100.0 To 29.04 %

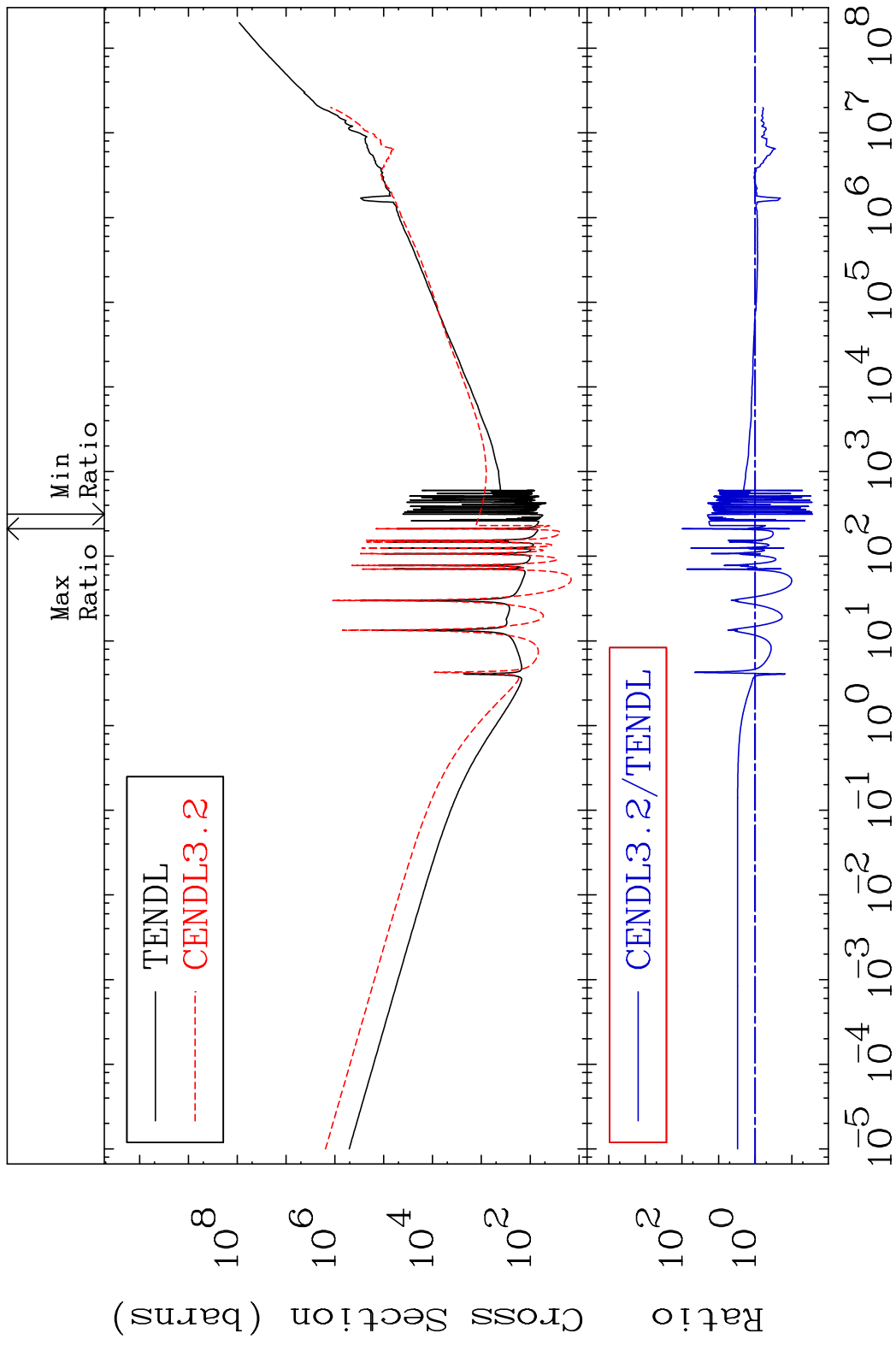


37

Incident Energy (eV)

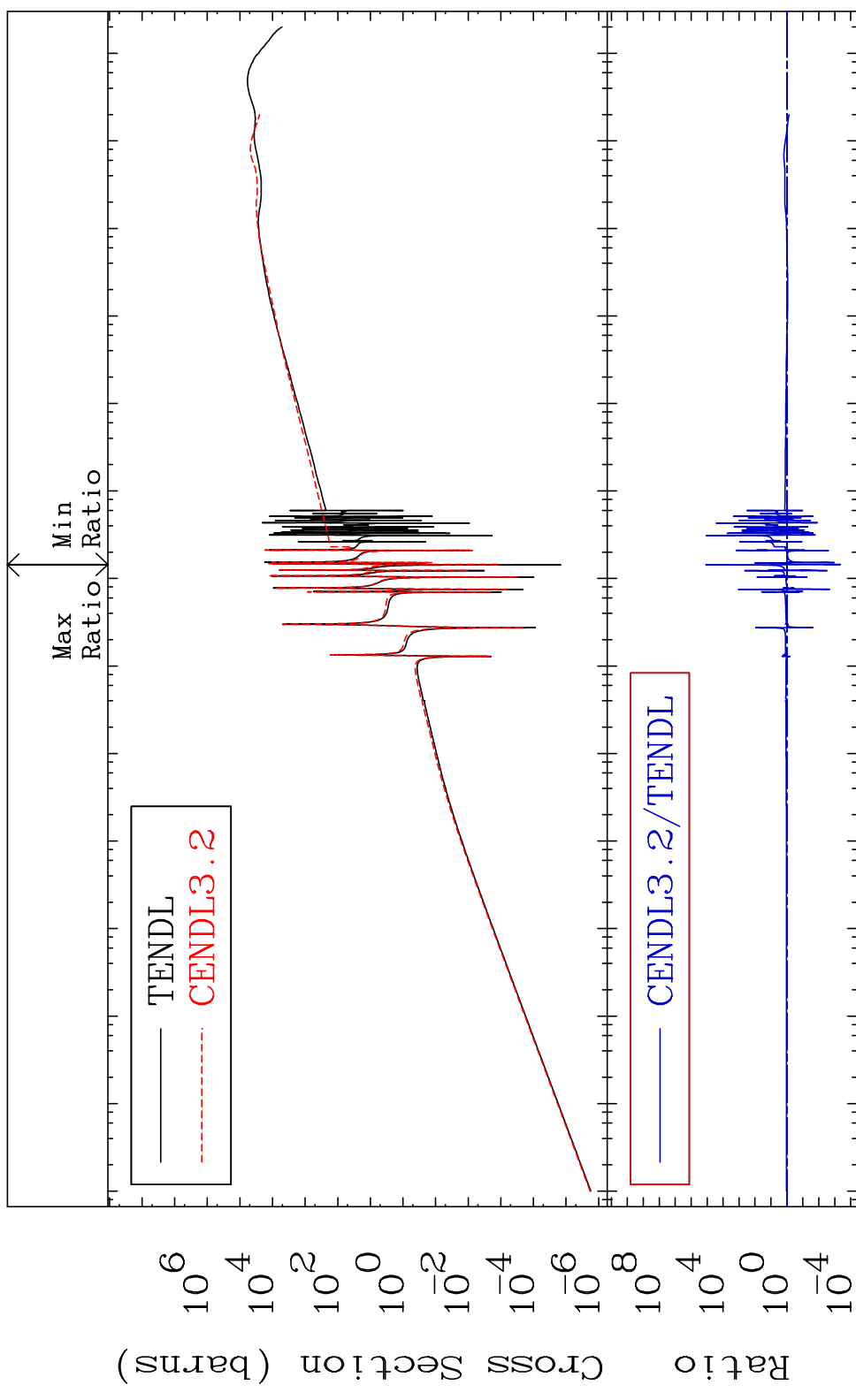
72-Hf-174

MAT 7225 Kerma total (eV-barns) 72-Hf-174
 Cross Section -97.28 To 9637. %



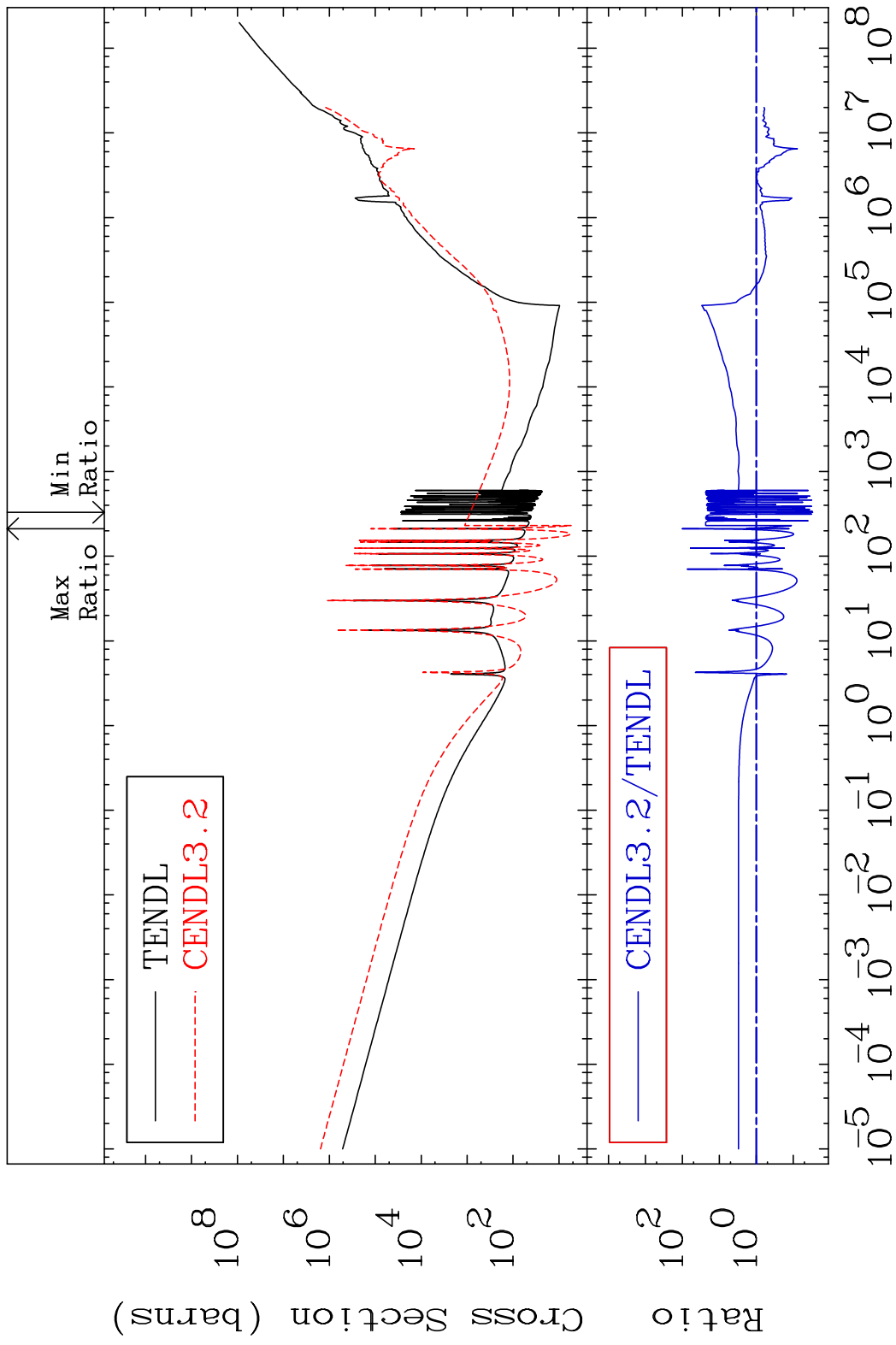
MAT 7225

Kerma elastic Cross Section -99.96 To 9999. %
72-Hf-174



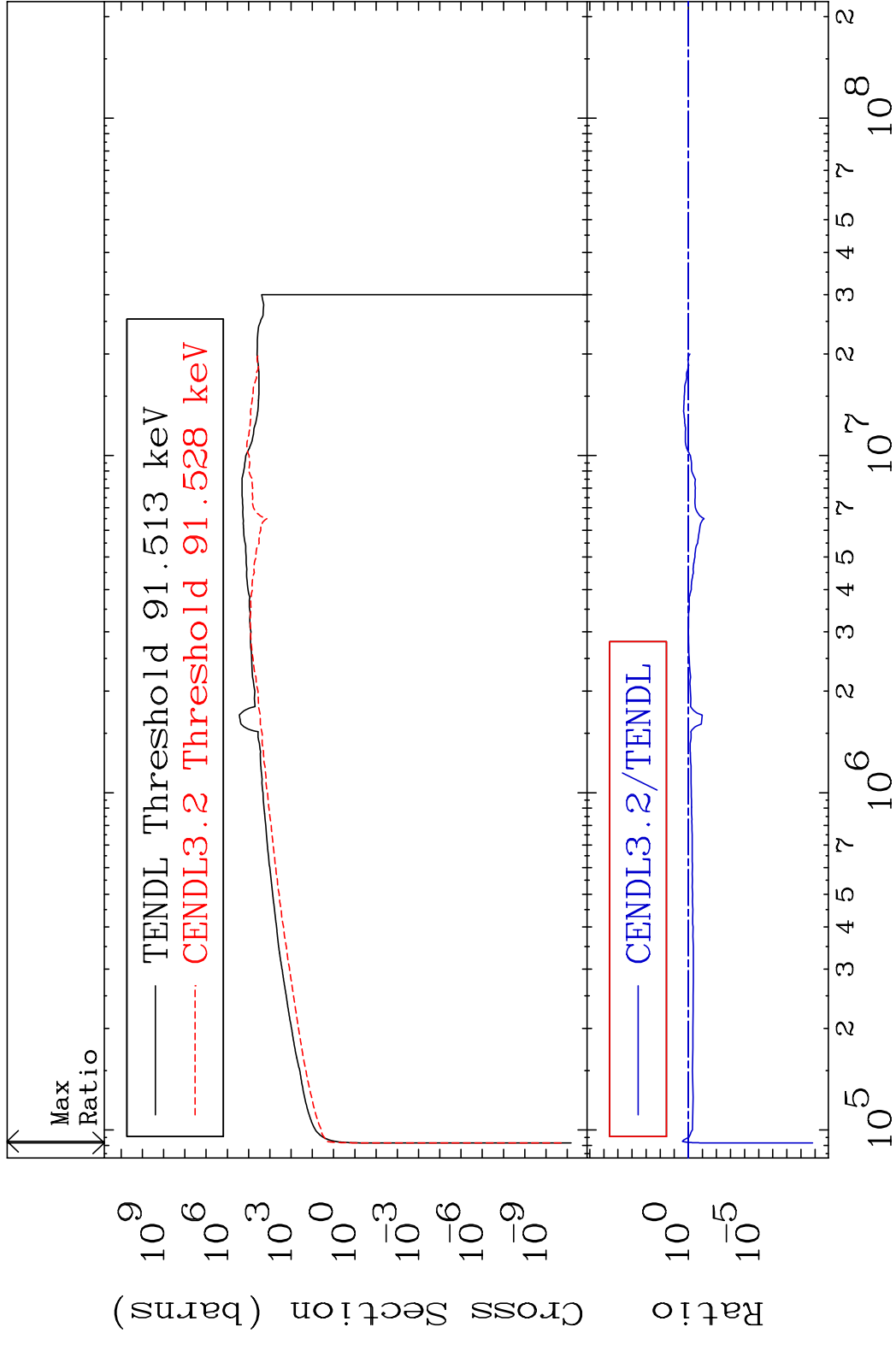
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

MAT 7225 Kerma non-elastic (all but mt2) 72-Hf-174
 Cross Section -96.99 To 9958. %



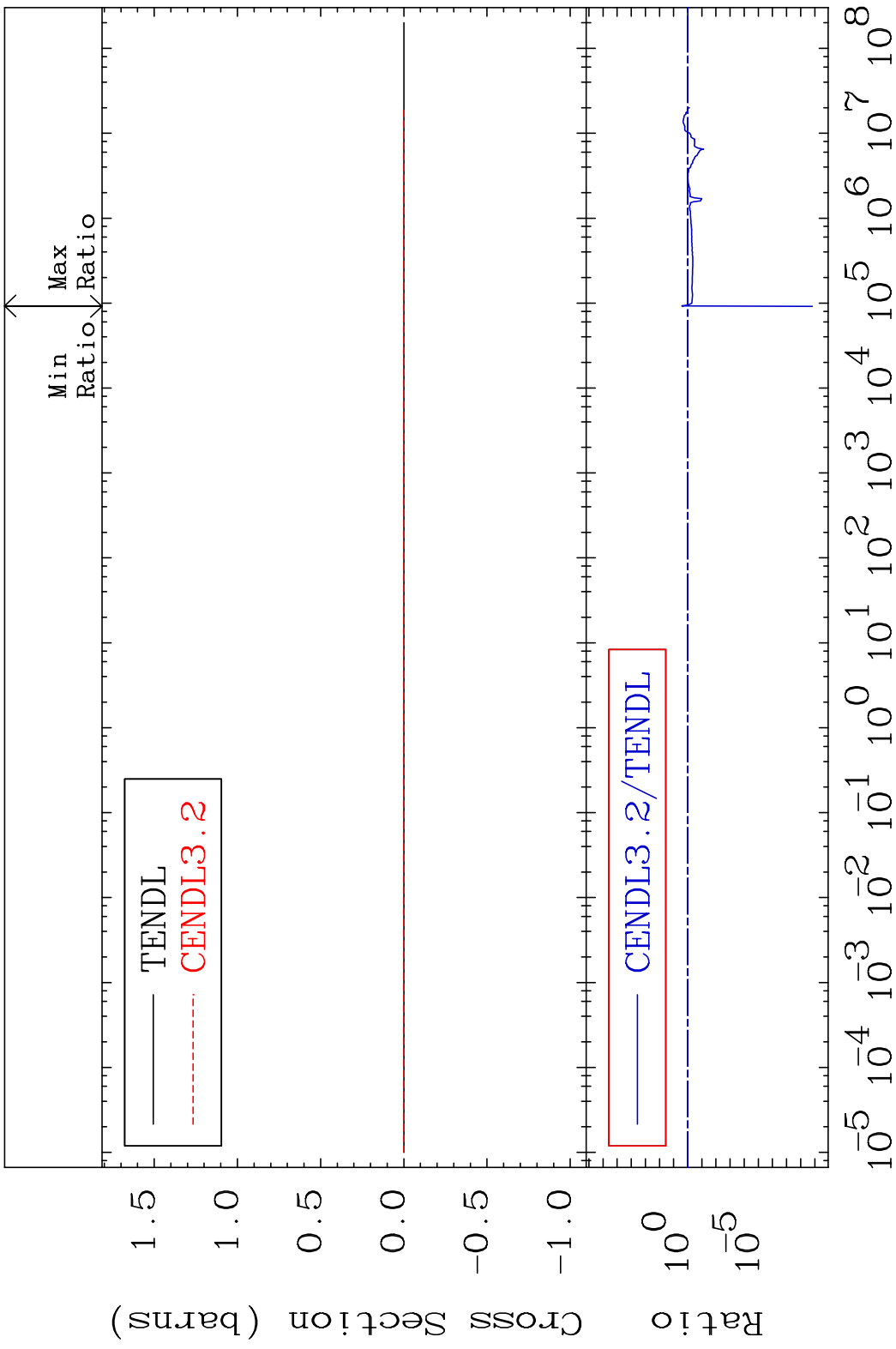
40 Incident Energy (eV) 72-Hf-174

MAT 7225 Kerma inelastic (mt51-91) 72-Hf-174
 Cross Section -100.0 To 165.4 %



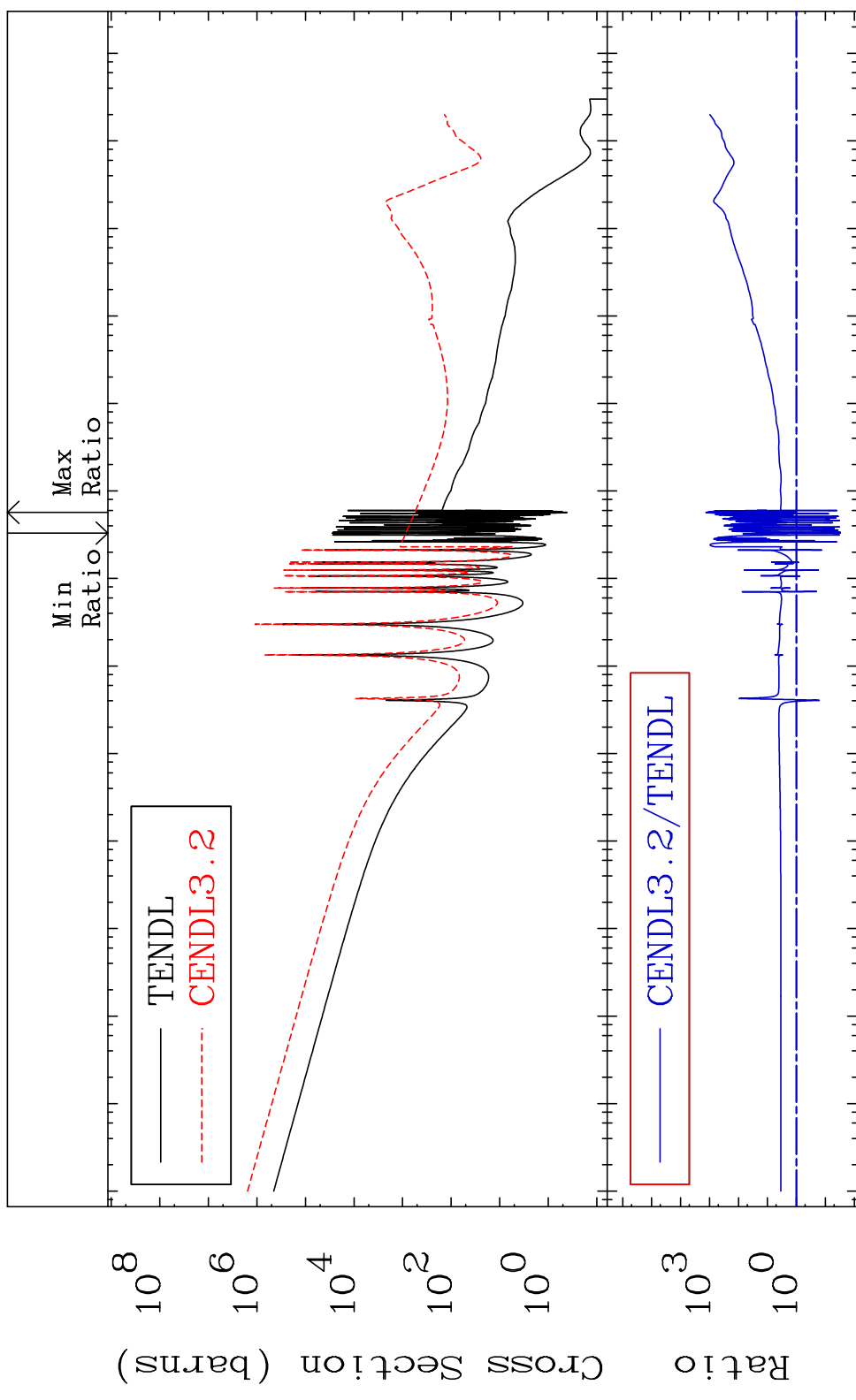
41 Incident Energy (eV) 72-Hf-174

MAT 7225 Kerma fission (mt18 or mt19-20-21-38)72-Hf-174
 Cross Section -100.0 To 165.4 %



MAT 7225

Kerma capture (mt102) 72-Hf-174
Cross Section -96.98 To 9999. %

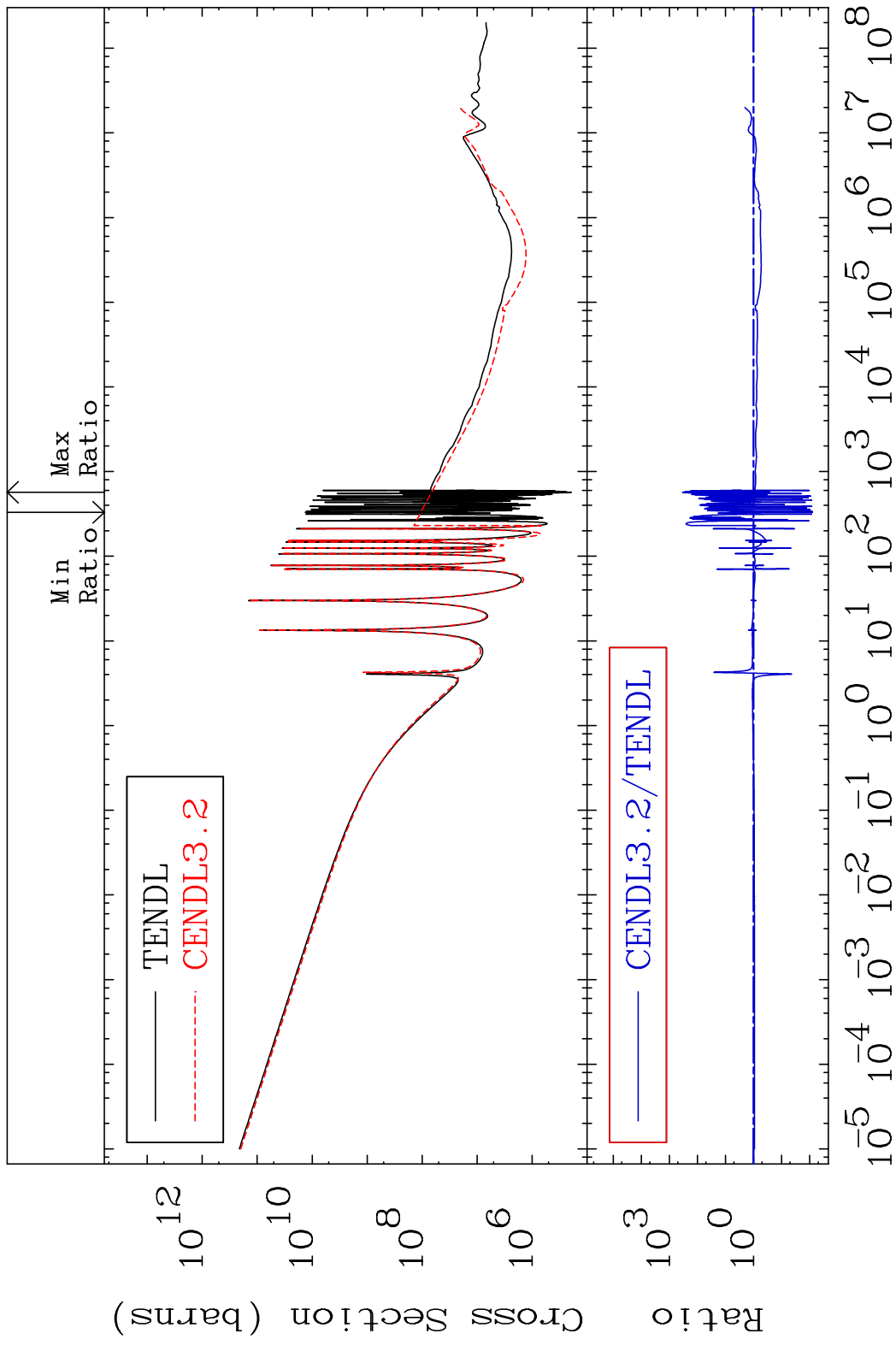


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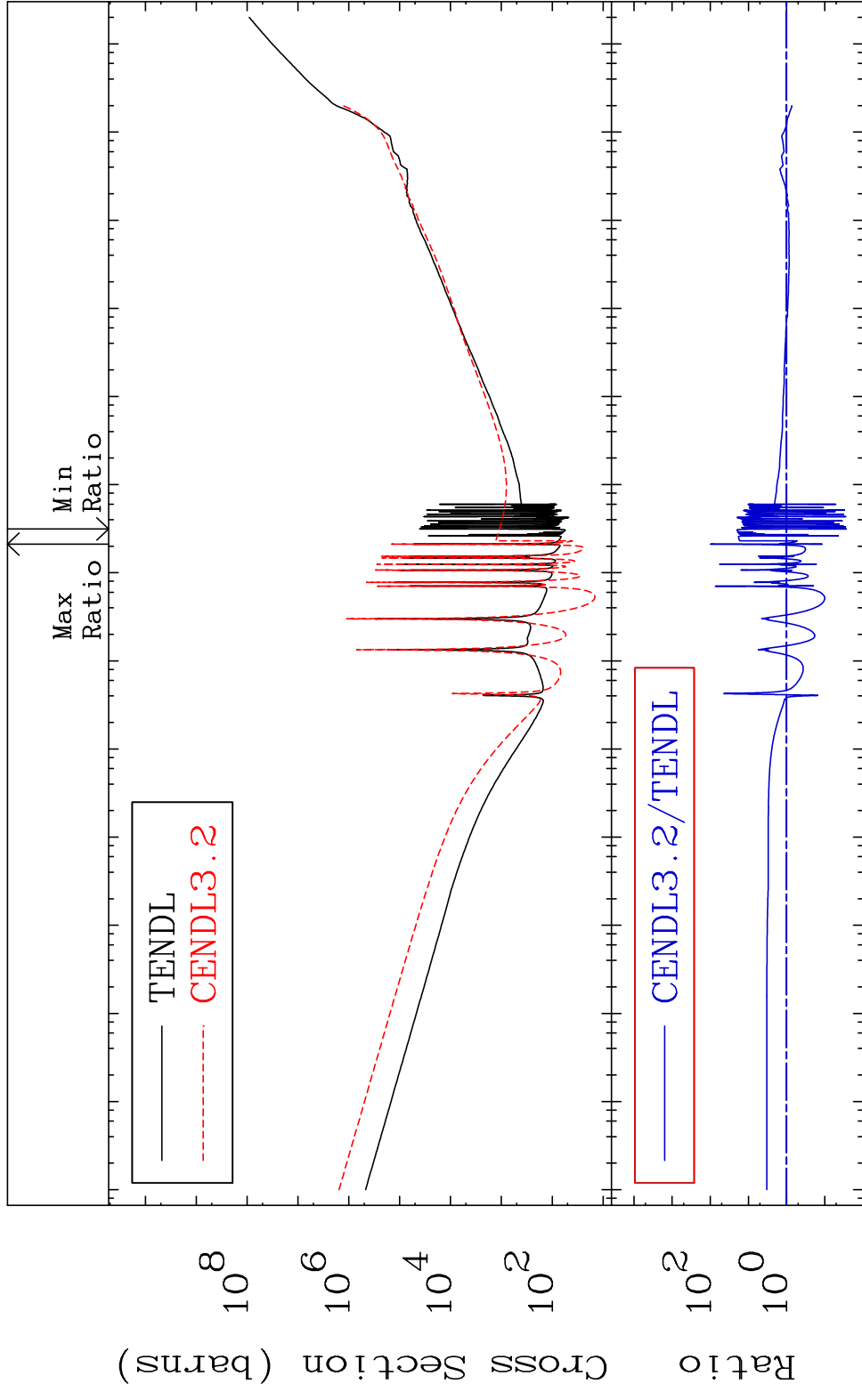
Incident Energy (eV)

72-Hf-174

MAT 7225 Total photon (eV-barns) 72-Hf-174
 Cross Section -99.21 To 9999. %



MAT 7225 Total kinematic kerma (high limit) 72-Hf-174
 Cross Section -97.28 To 9635. %

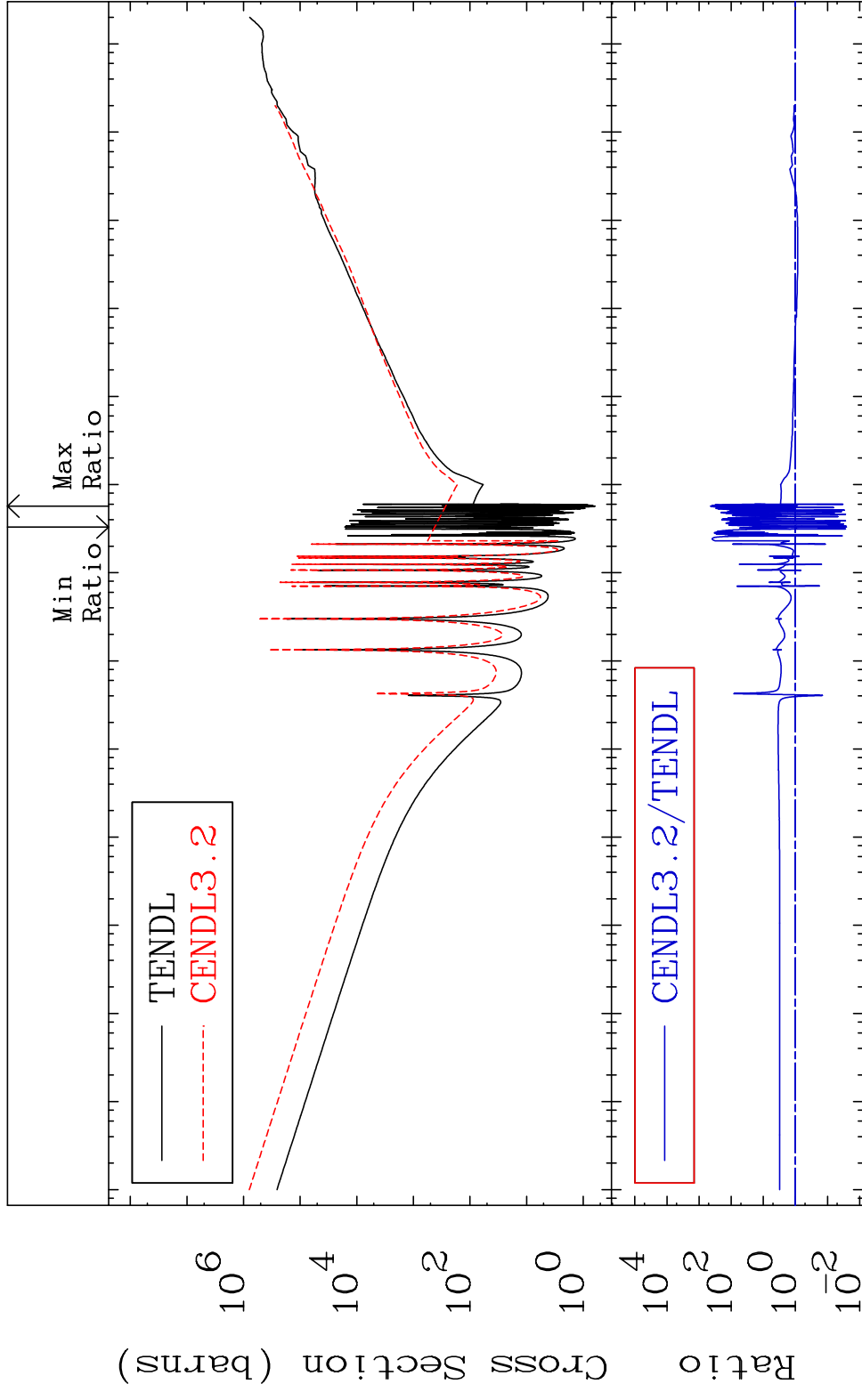


MAT 7225

Dpa total (eV-barns)

72-Hf-174

Cross Section -97.40 To 9999. %



46

Incident Energy (eV)

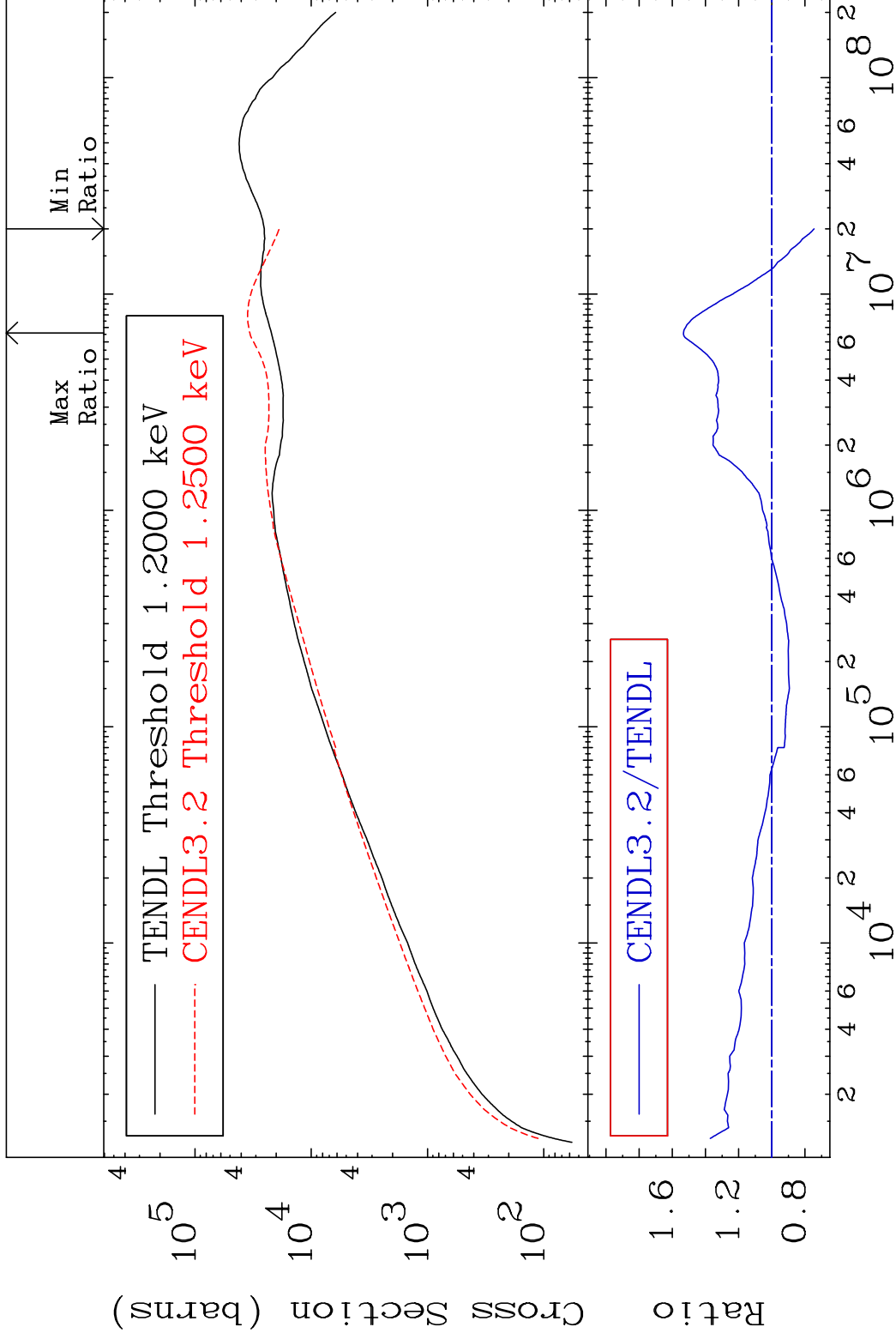
72-Hf-174

MAT 7225

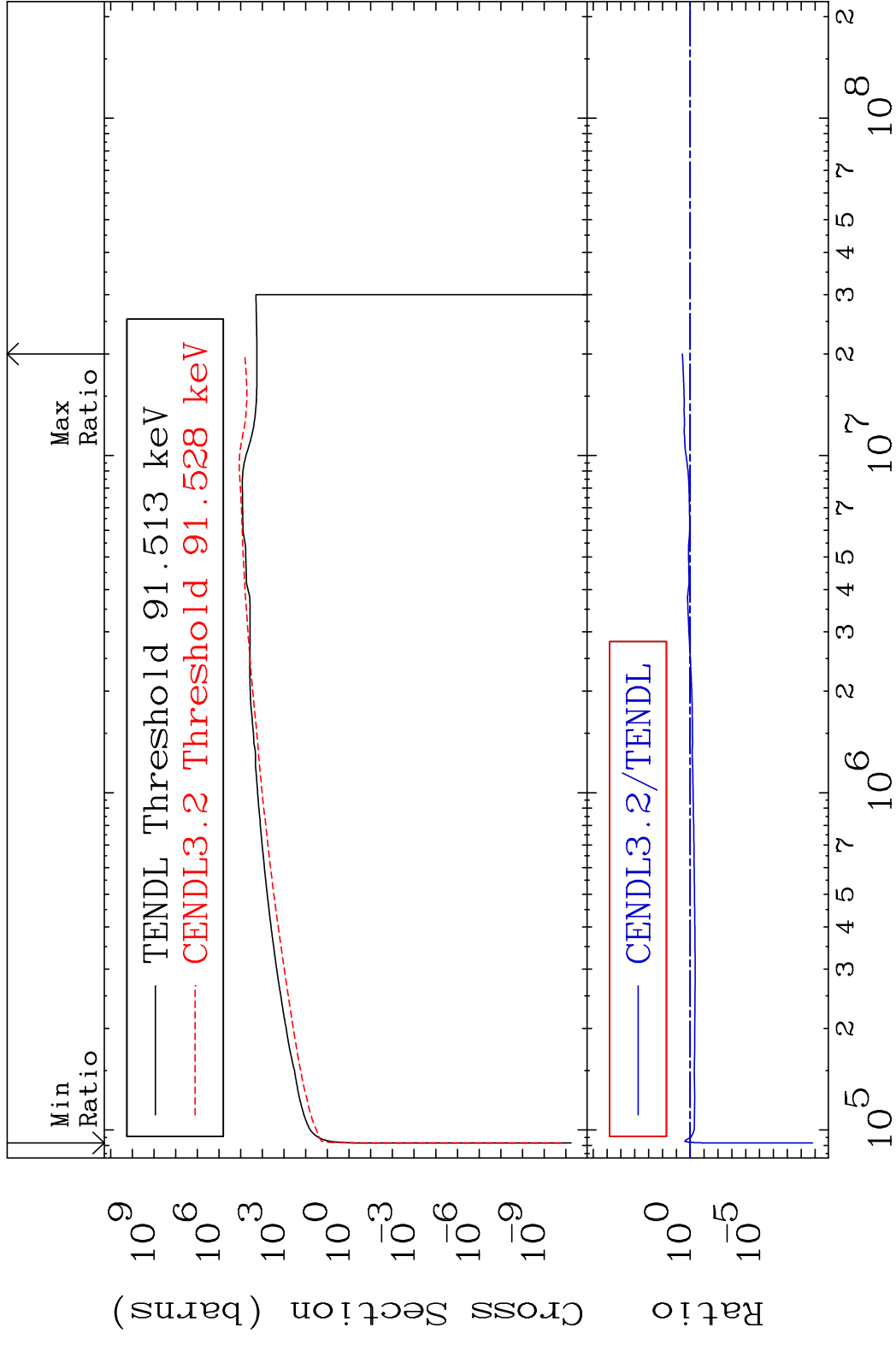
Dpa elastic (mt2)

72-Hf-174

Cross Section -25.44 To 53.31 %

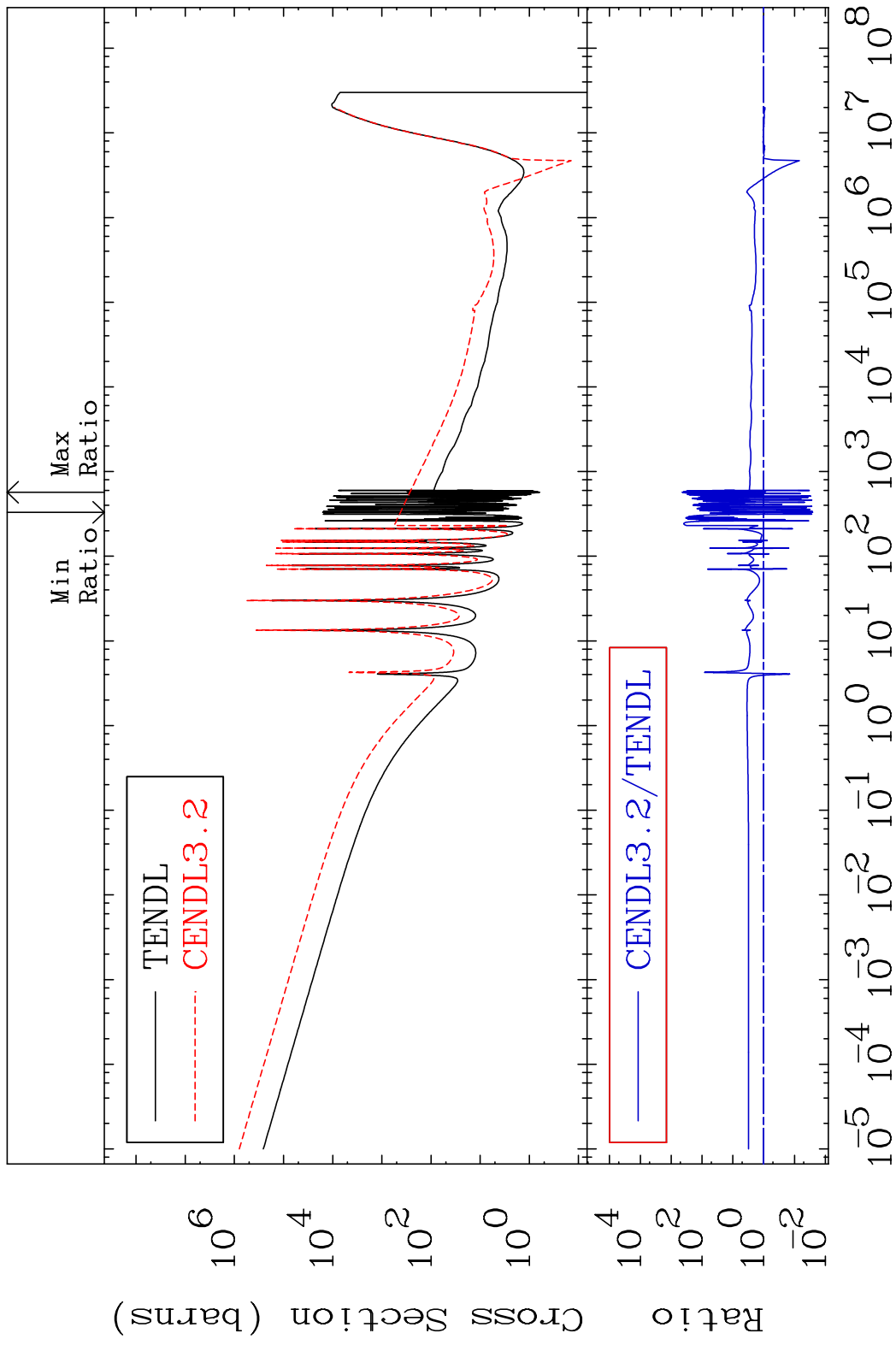


MAT 7225 Dpa inelastic (mt51-91) 72-Hf-174
 Cross Section -100.0 To 269.5 %

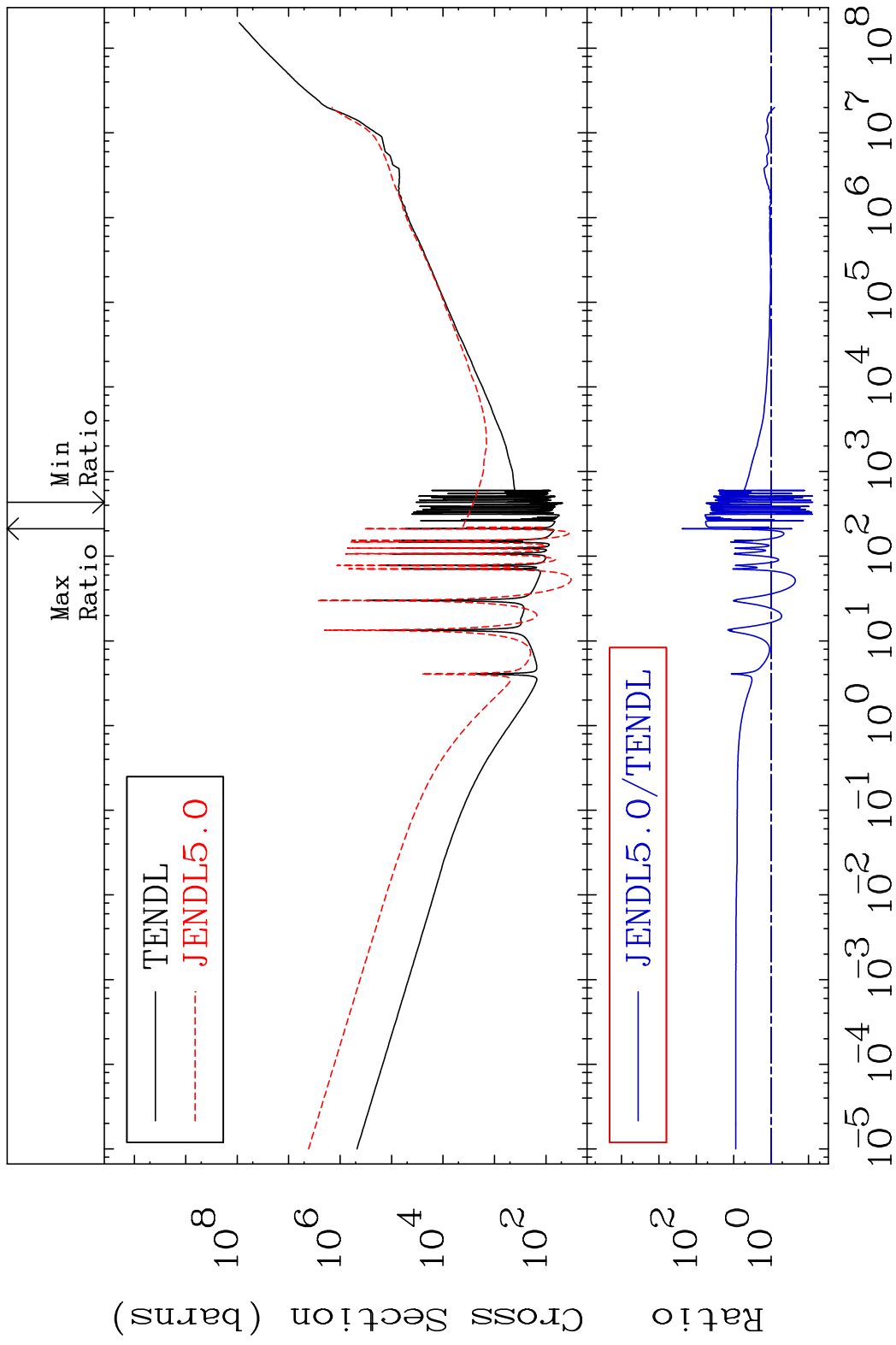


48 Incident Energy (eV) 72-Hf-174

MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 Cross Section -97.40 To 9999. %



MAT 7225 Total kinematic kerma (high limit) 72-Hf-174
Cross Section -92.26 To 9999. %

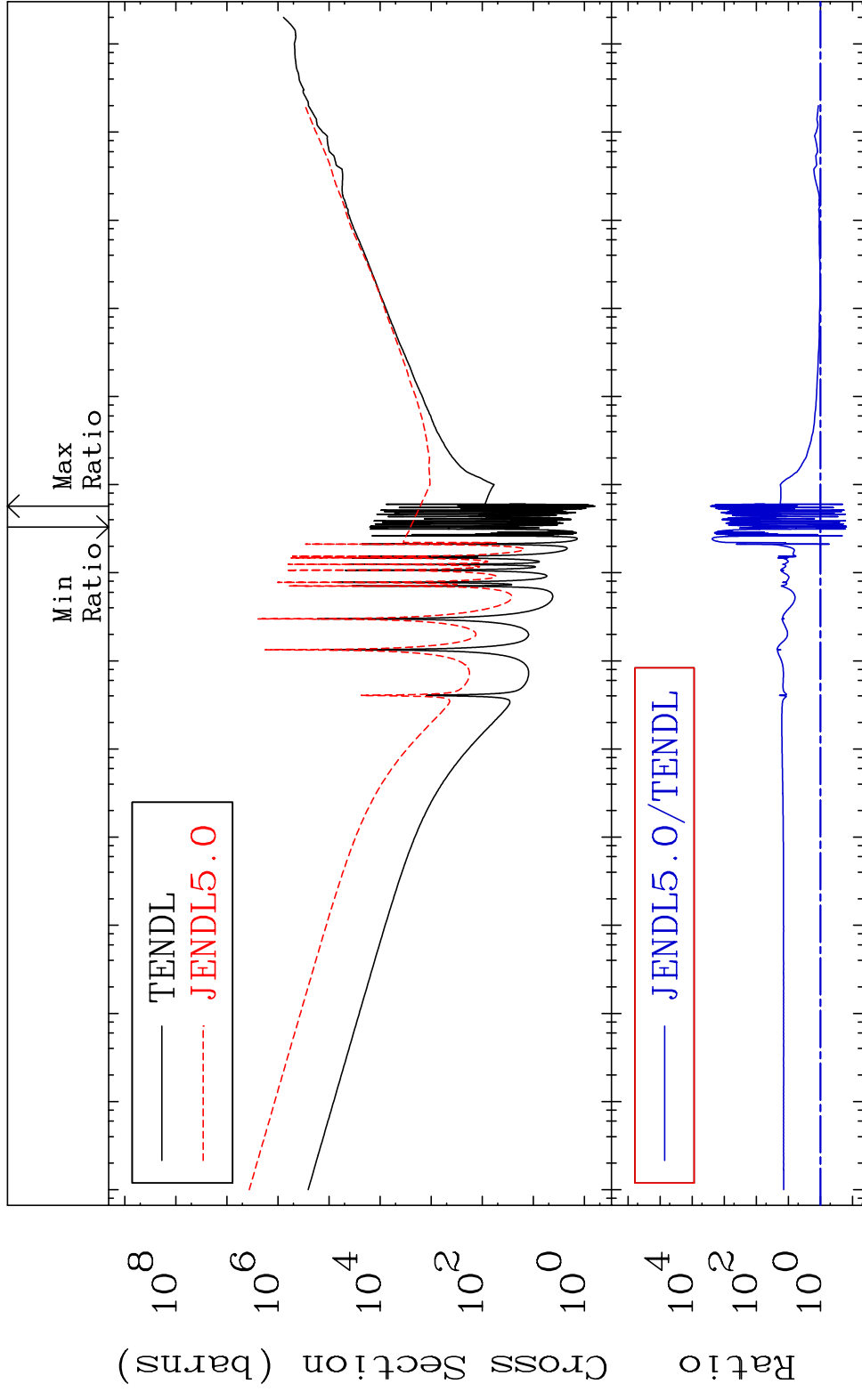


MAT 7225

Dpa total (eV-barns)

72-Hf-174

Cross Section -84.25 To 9999. %

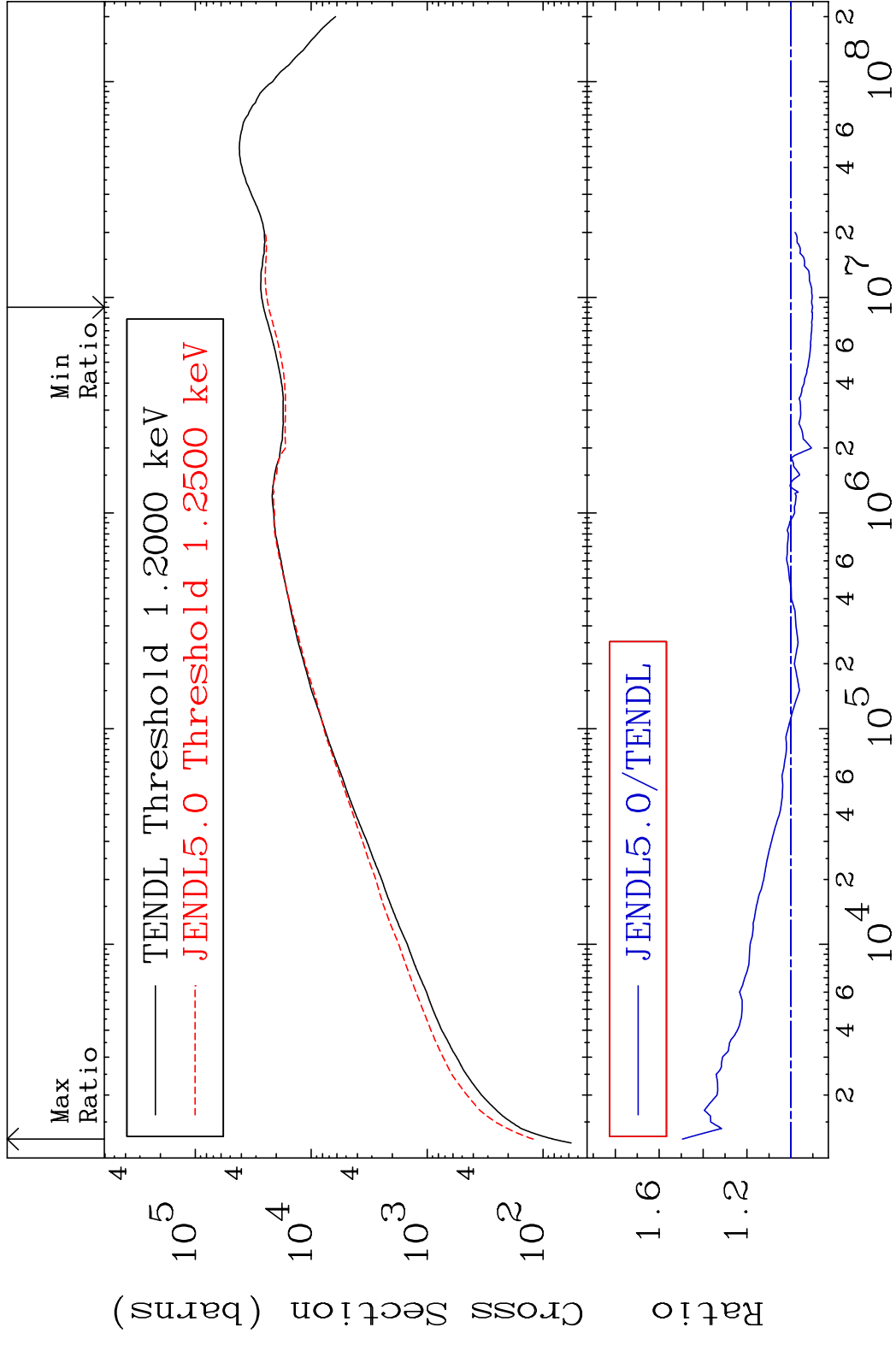


MAT 7225

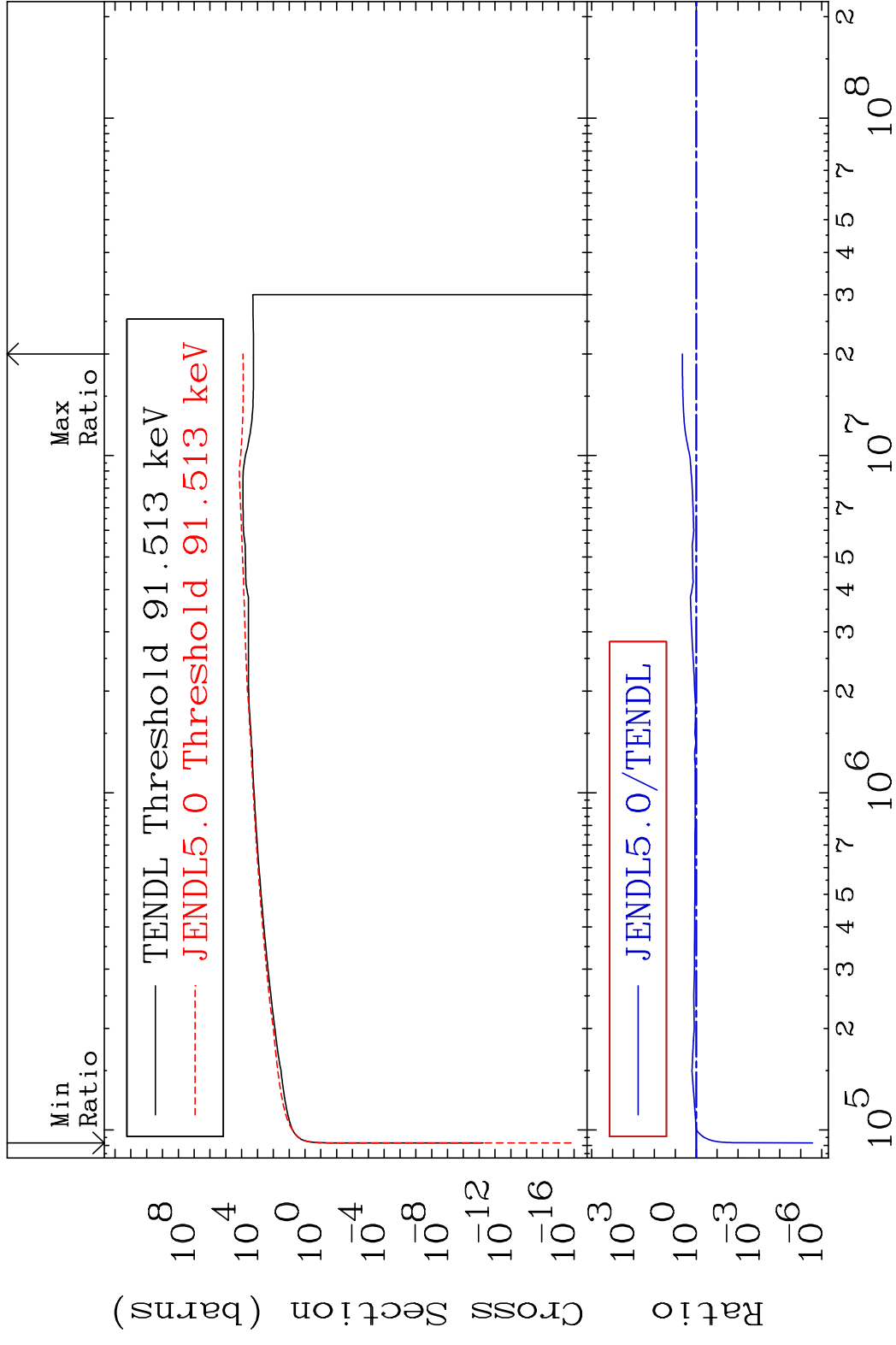
Dpa elastic (mt2)

72-Hf-174

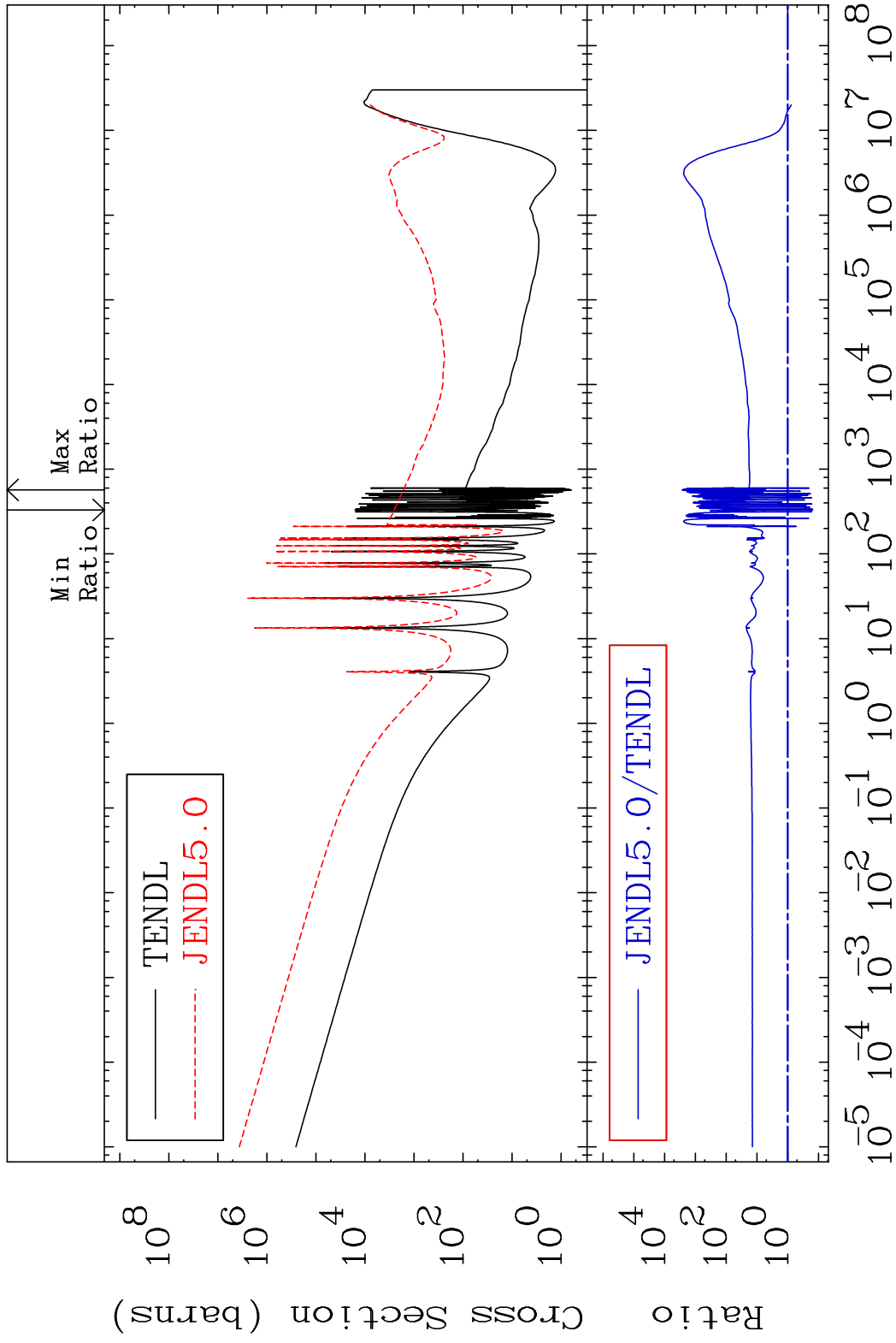
Cross Section -9.838 To 49.45 %

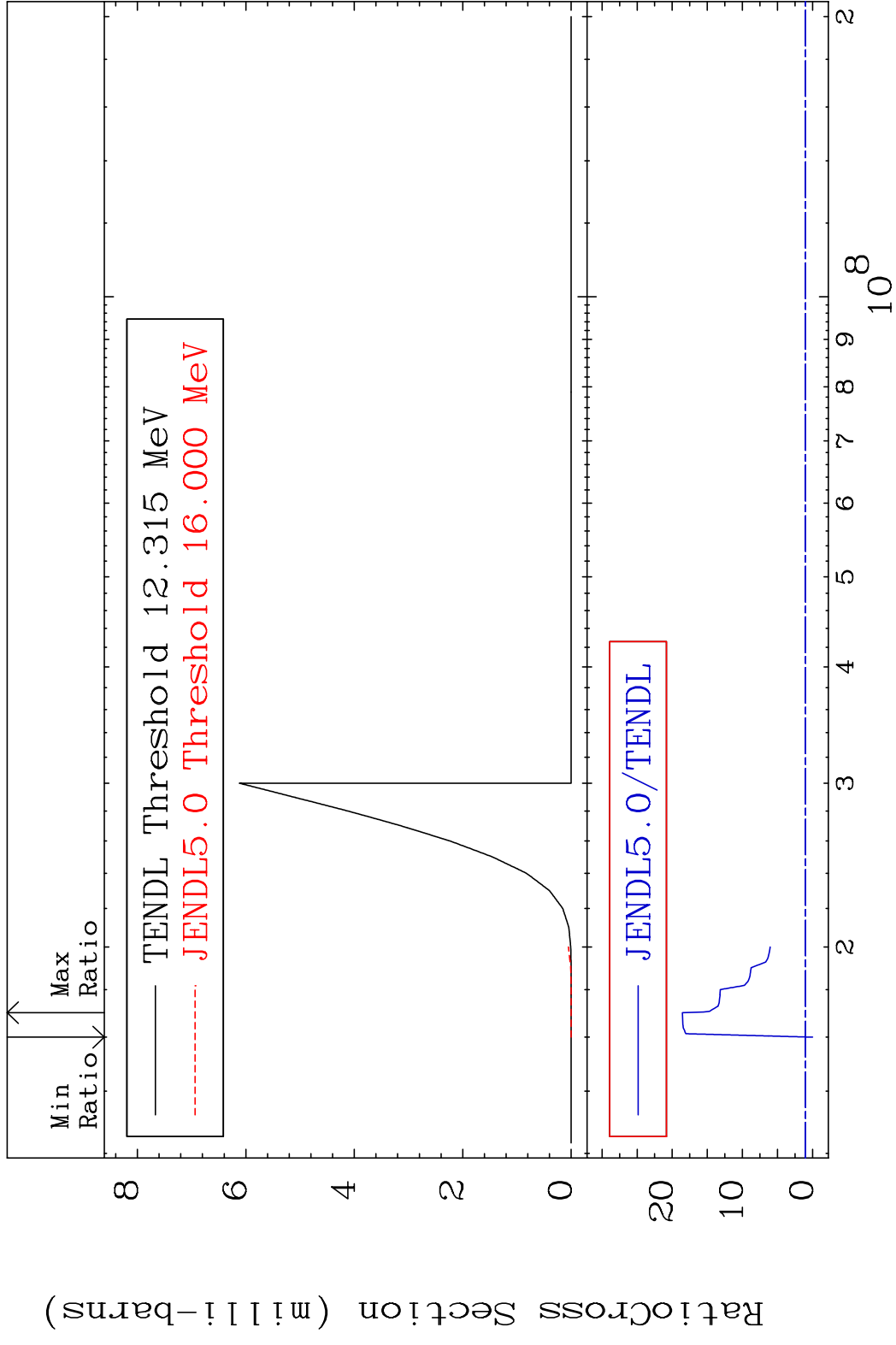


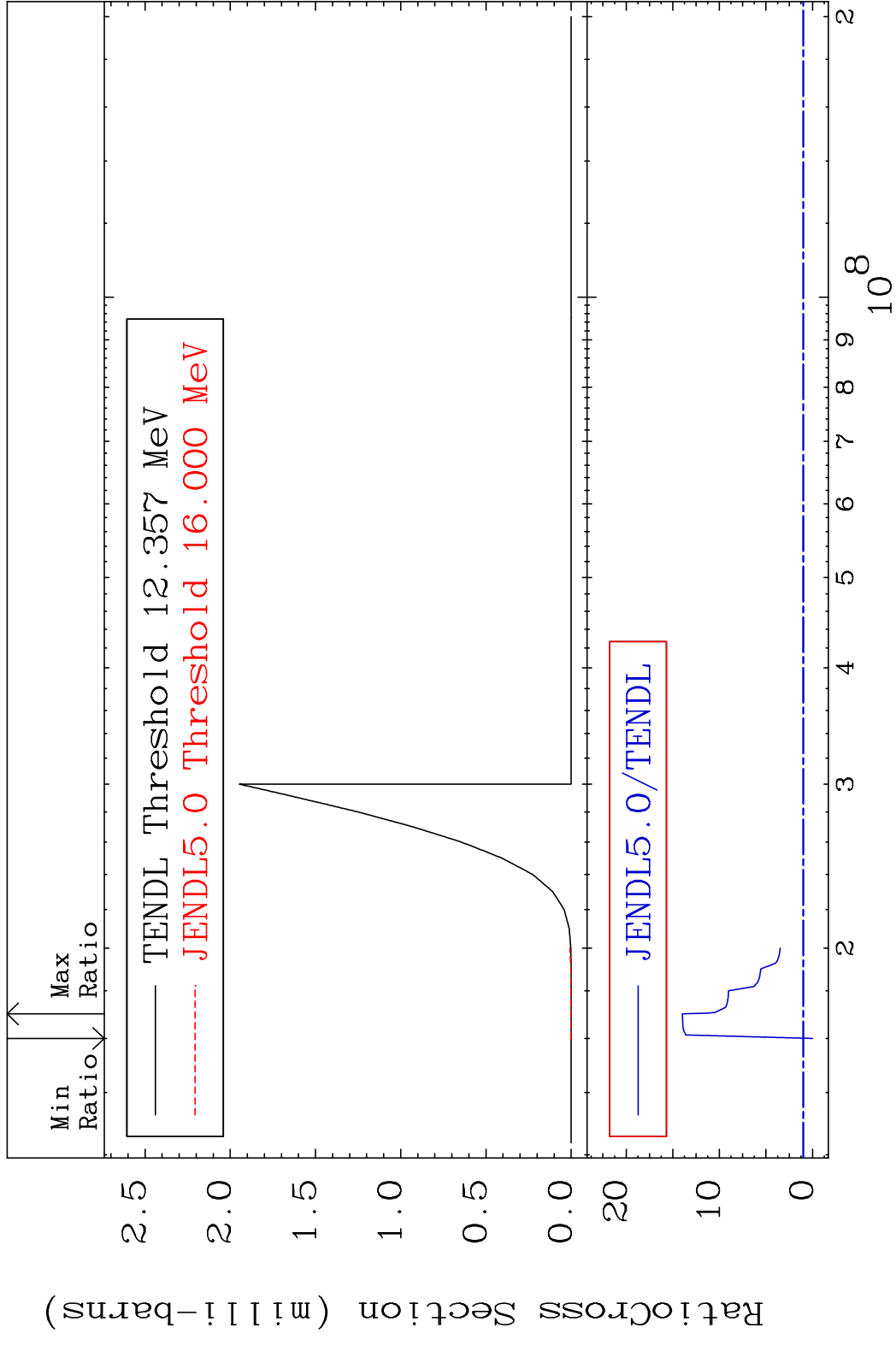
MAT 7225 Dpa inelastic (mt51-91) 72-Hf-174
 Cross Section -100.0 To 359.9 %



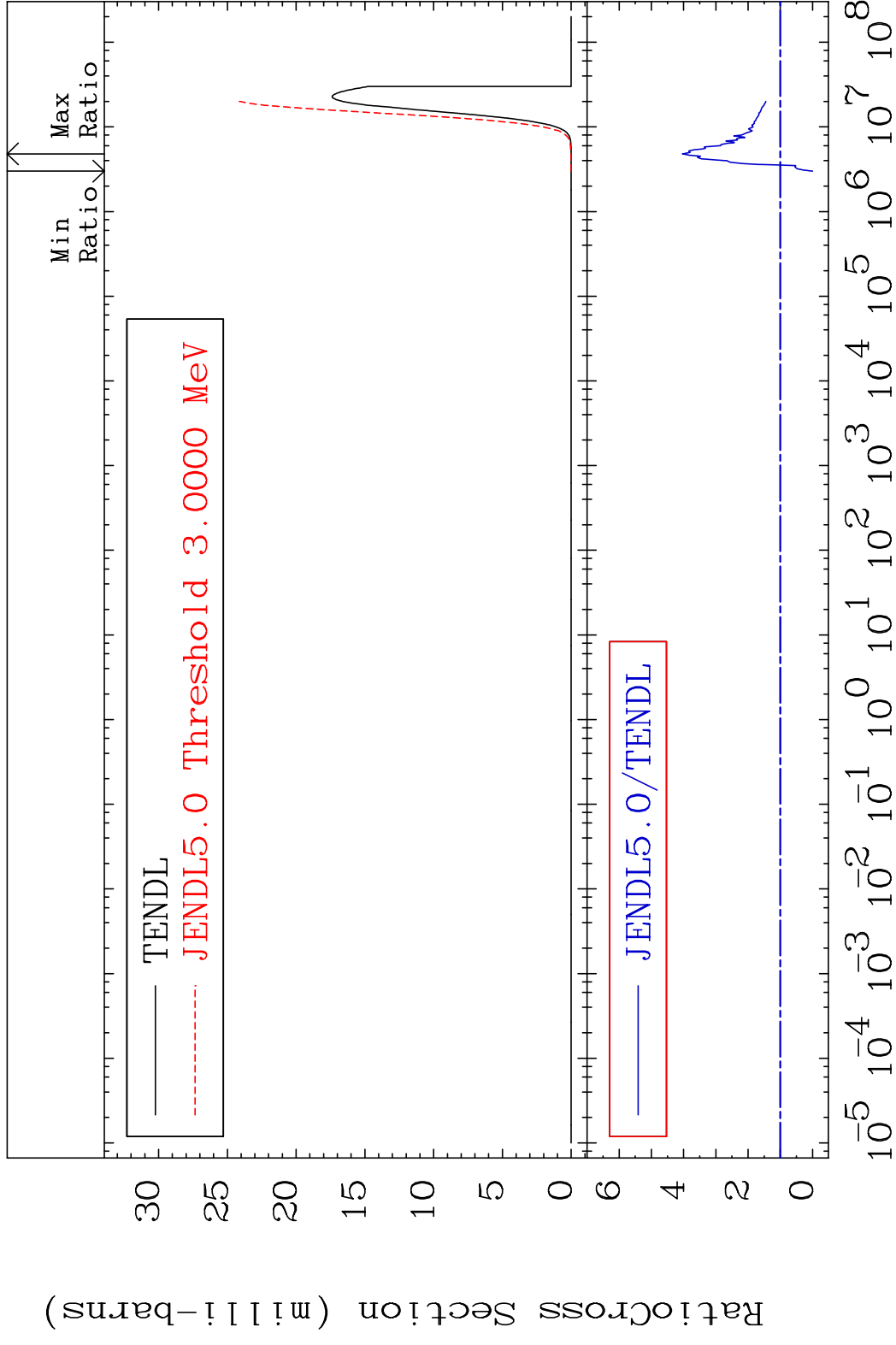
MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 Cross Section -84.25 To 9999. %





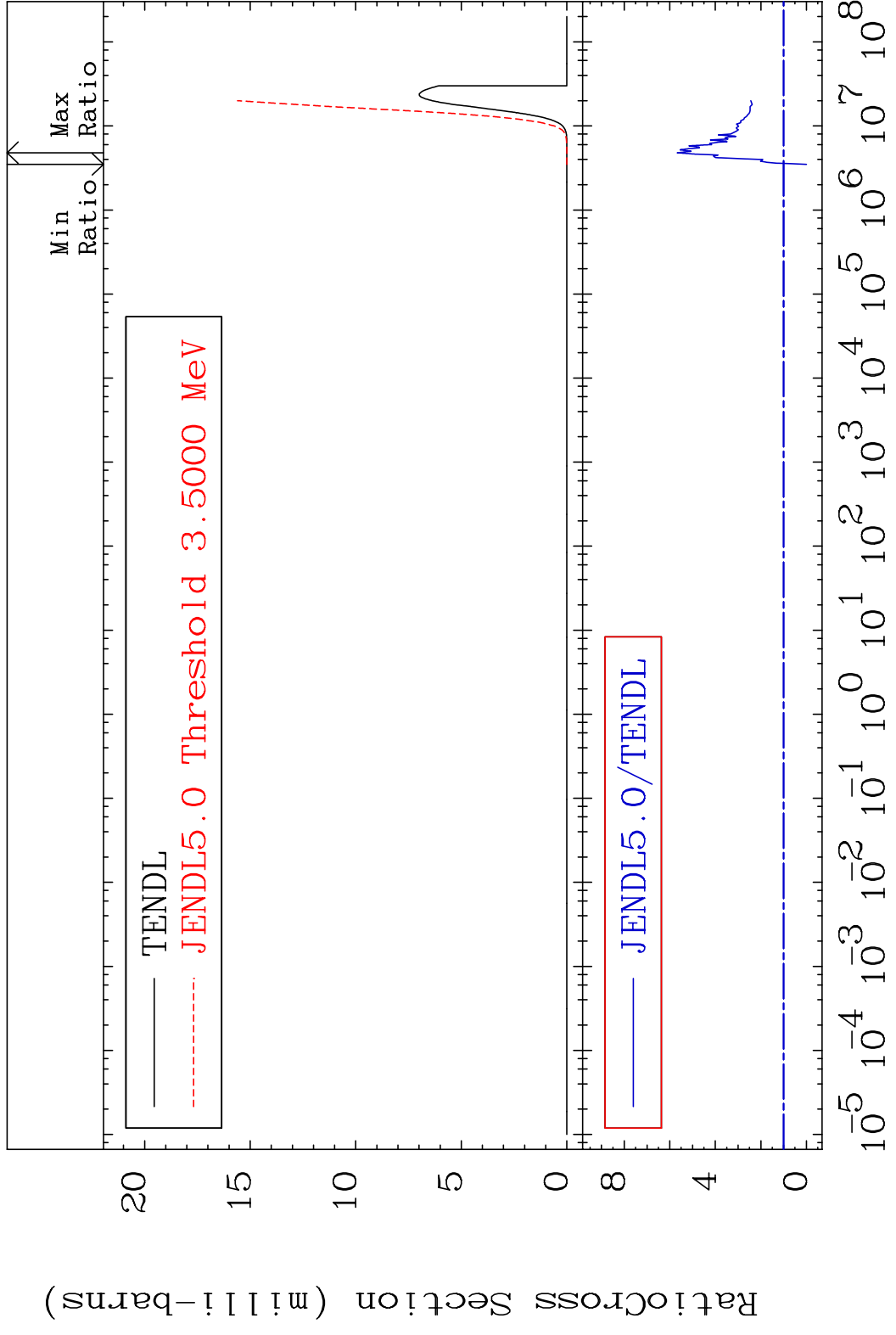


MAT 7225 (n,p):71-Lu-174g 72-Hf-174
 Radionuclide Production Cross Section Ratio 303.9 %

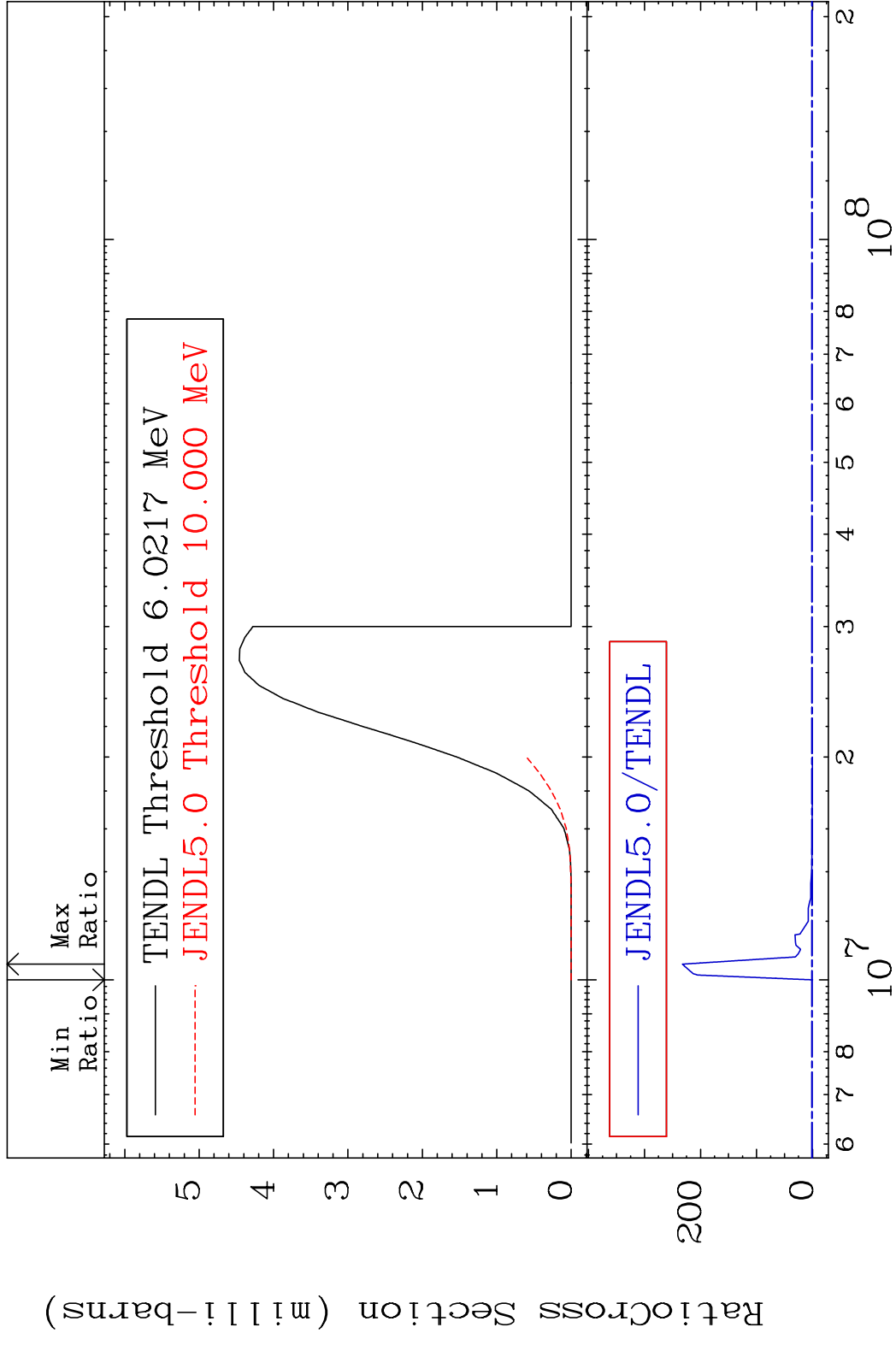


57 Incident Energy (eV) 72-Hf-174

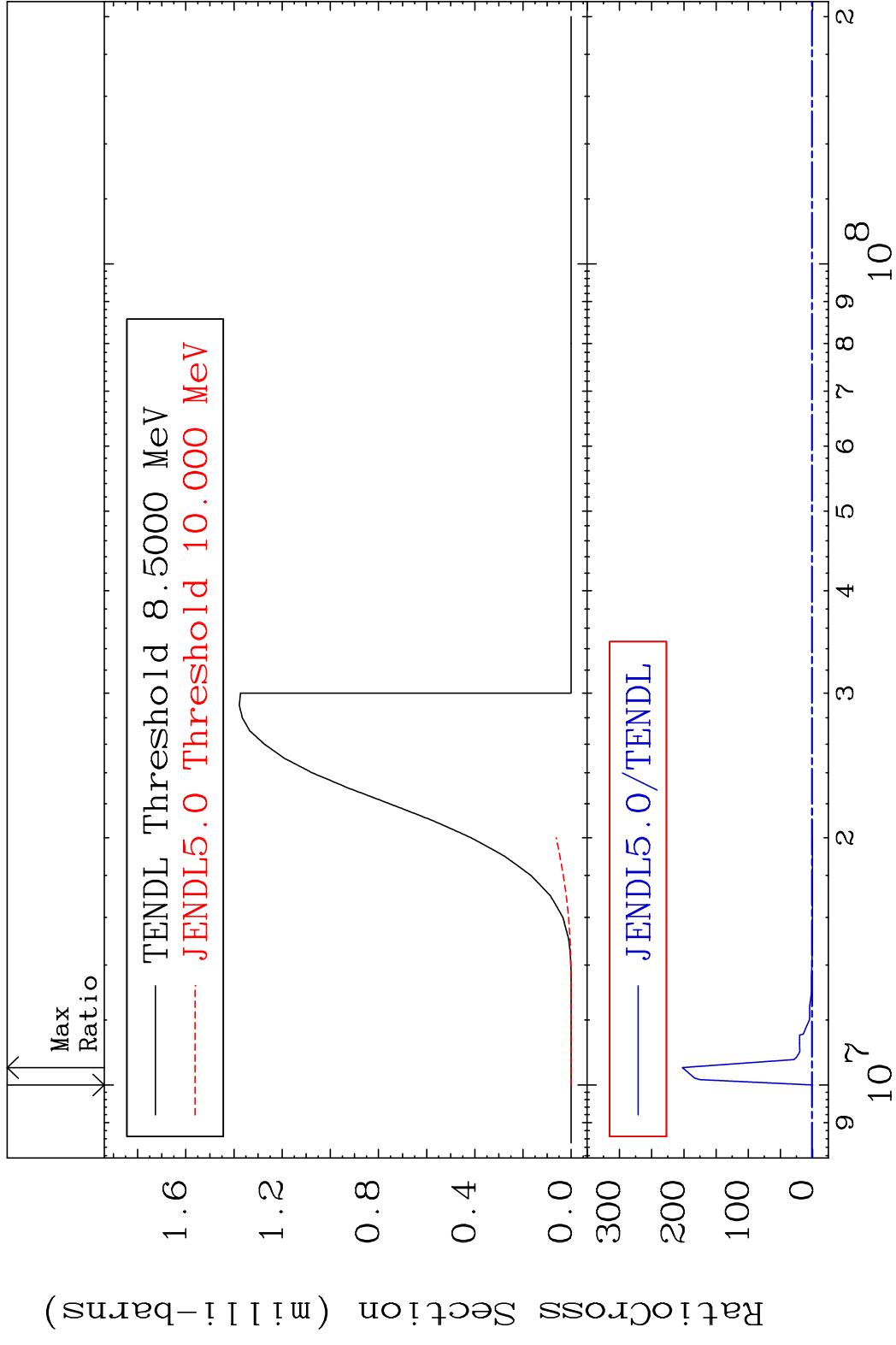
MAT 7225 (n, p): 71-Lu-174m3 72-Hf-174
 Radionuclide Production Cross Section 180.0 dth 467.5 %



MAT 7225 (n, t):71-Lu-172g 72-Hf-174
 Radionuclide Production Cross Section Ratio 9999. %

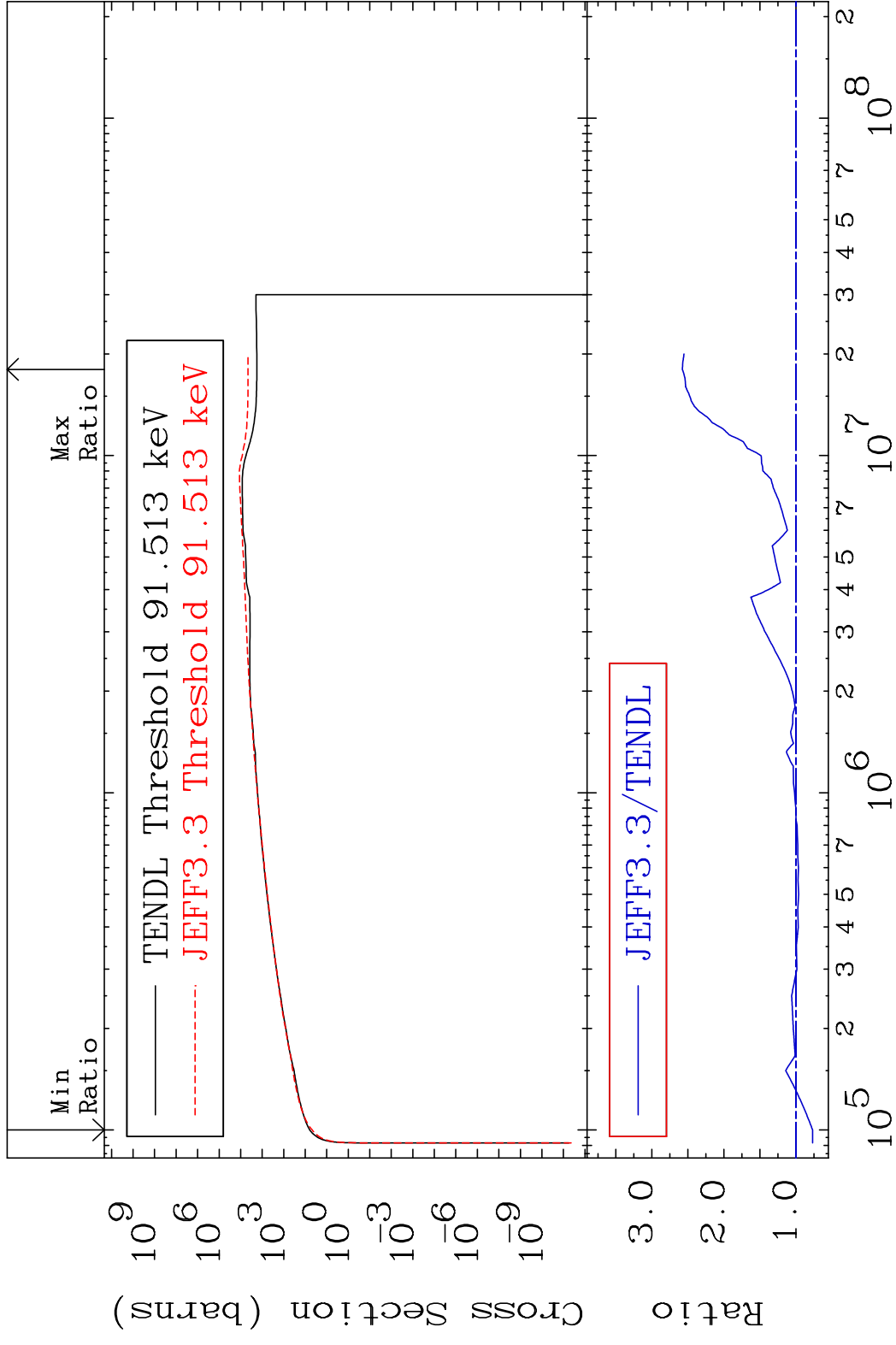


MAT 7225 (n, t):71-Lu-172m1 72-Hf-174
 Radionuclide Production Cross Section 100.00 dth 9999. %

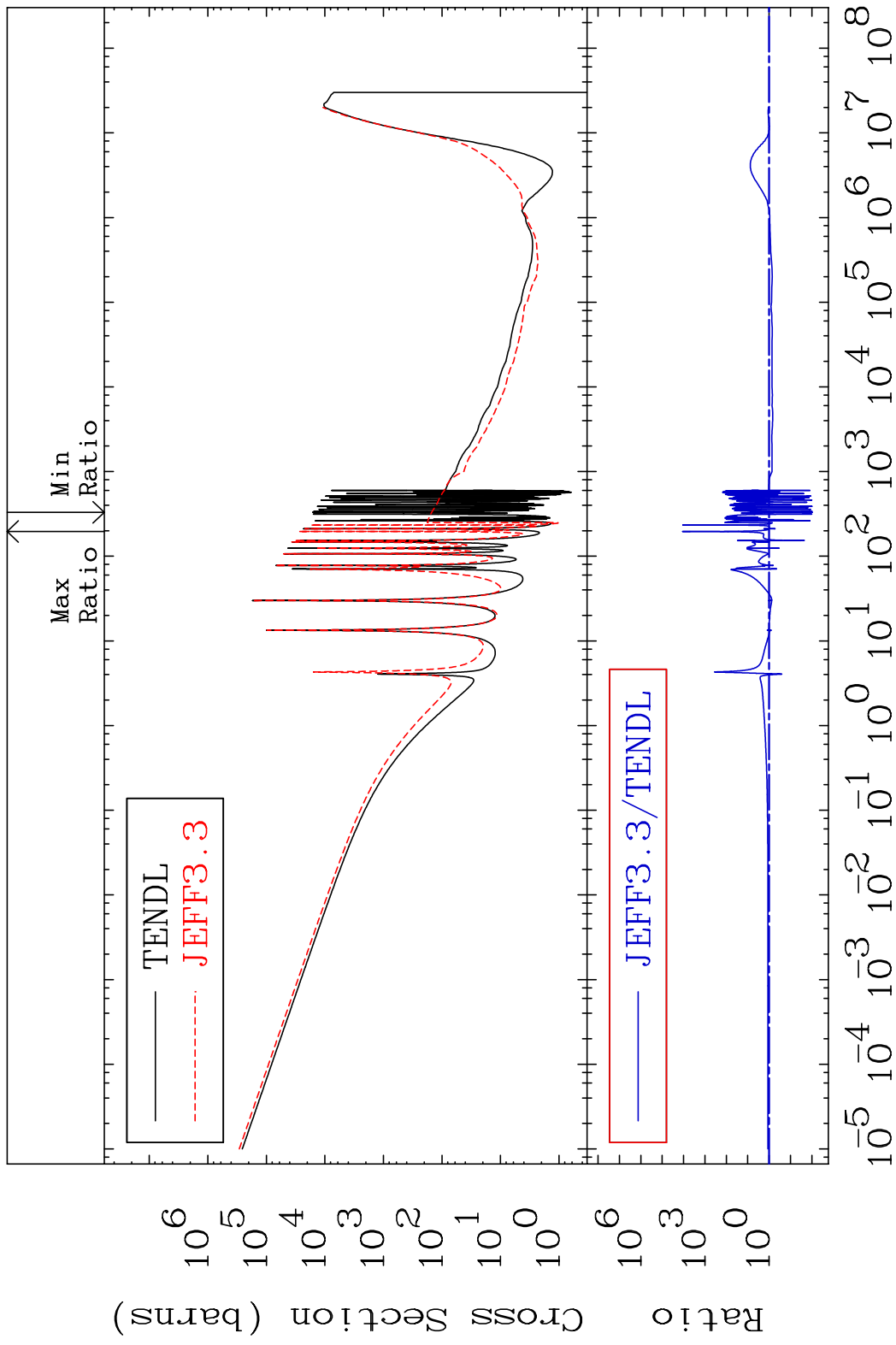


60 Incident Energy (eV) 72-Hf-174

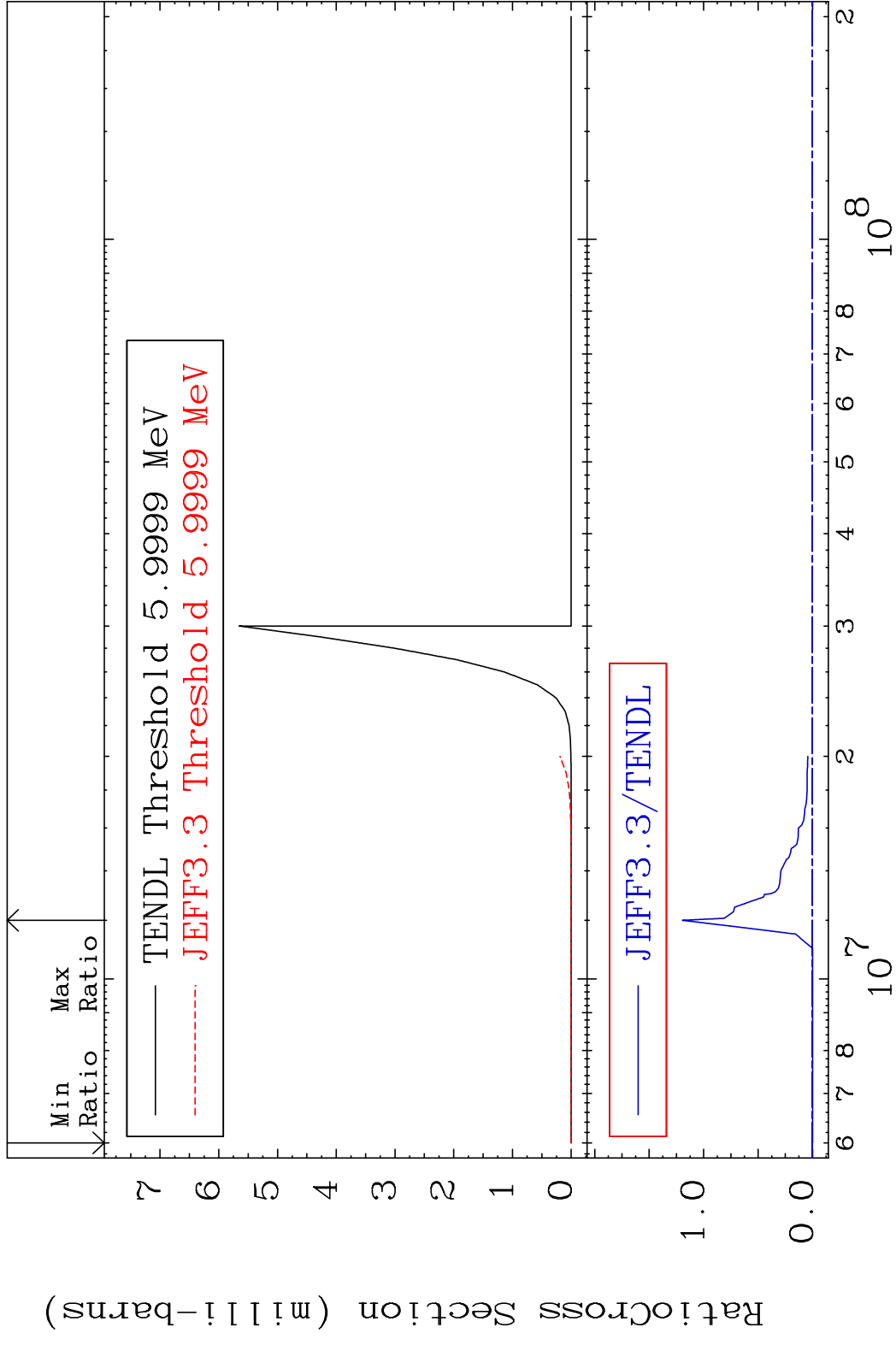
MAT 7225 Dpa inelastic (mt51-91) 72-Hf-174
 Cross Section -23.16 To 157.7 %

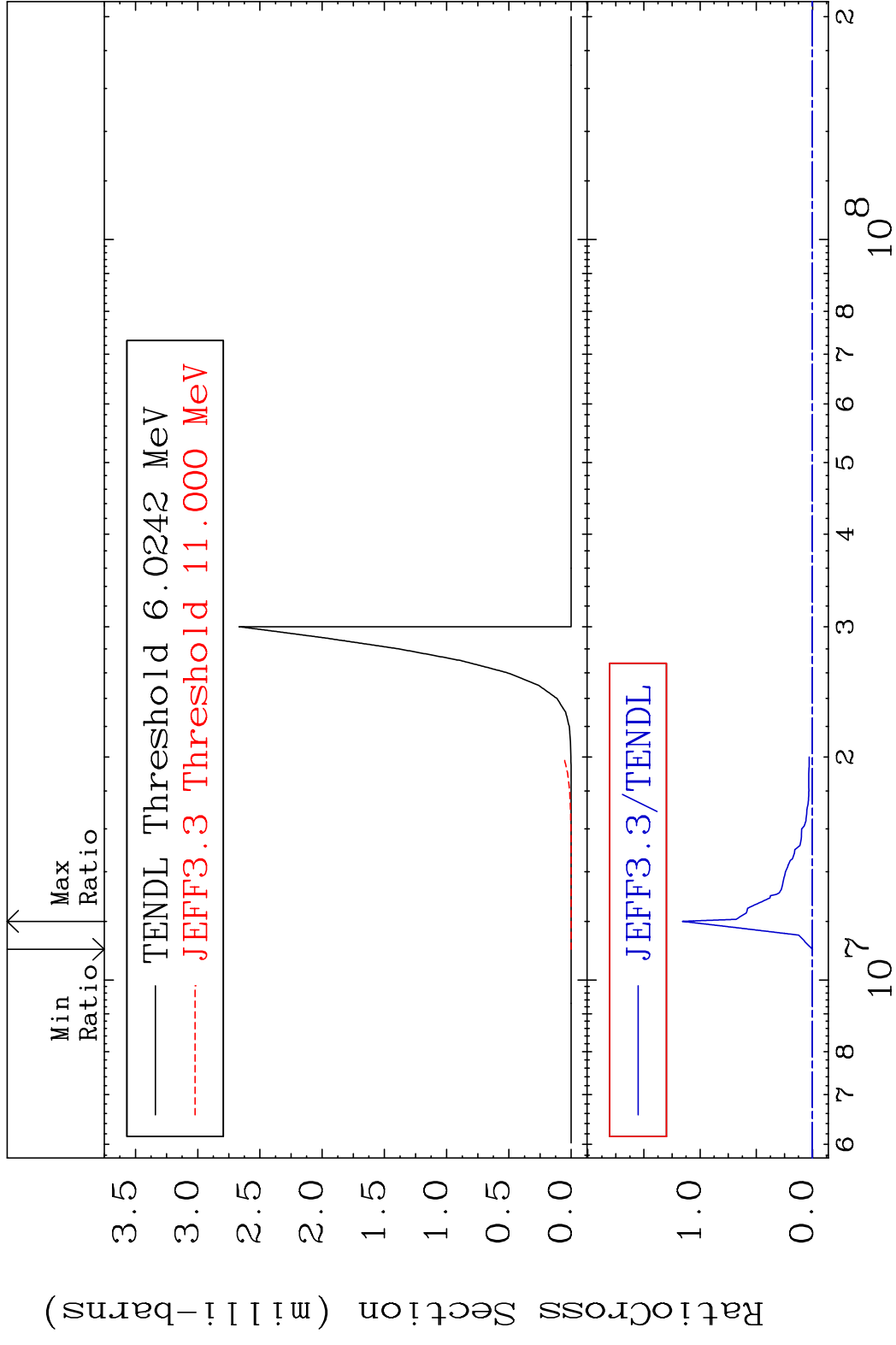


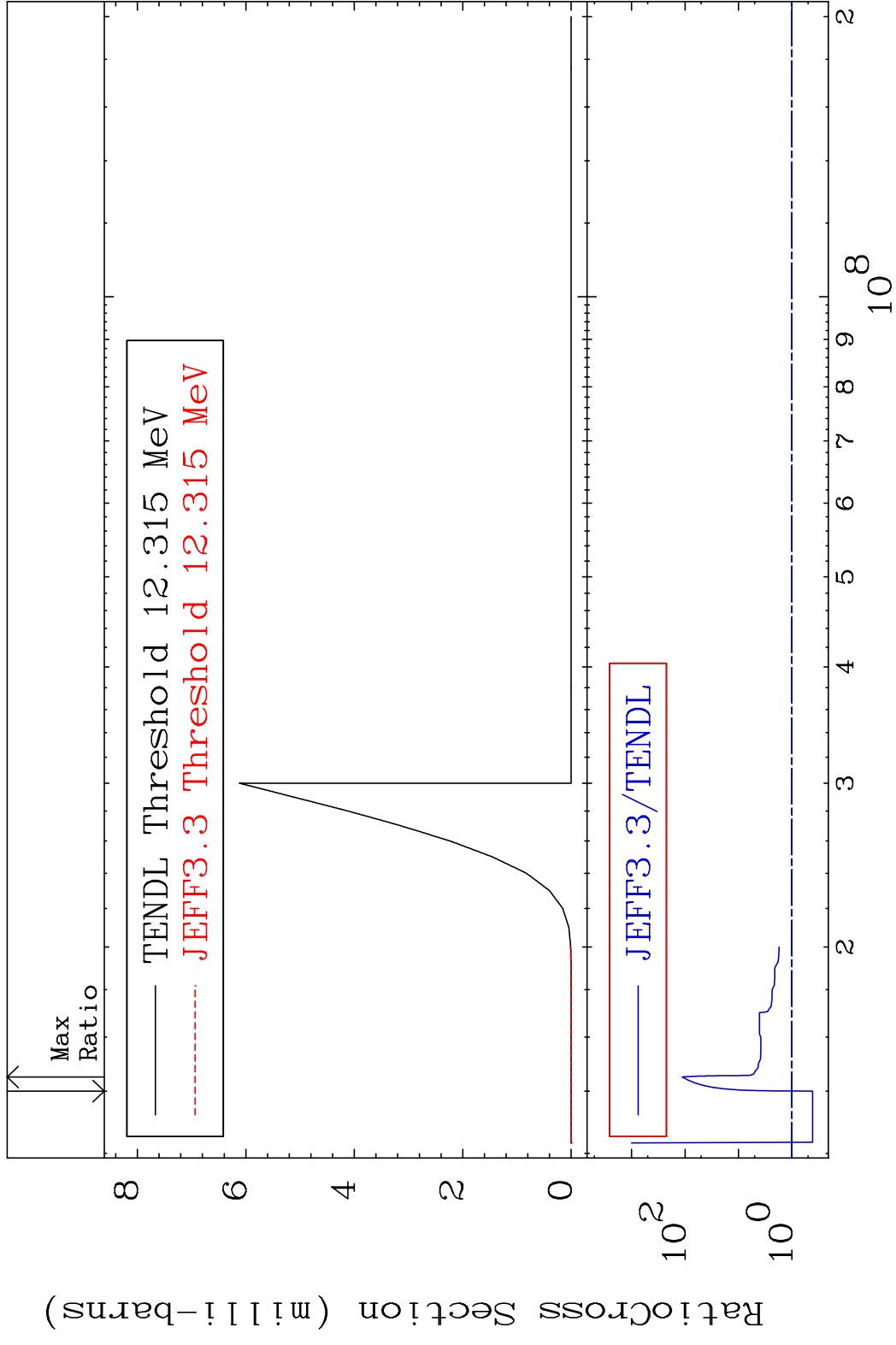
MAT 7225 Dpa disappearance (mt102 -120) 72-Hf-174
 Cross Section -99.07 To 9999. %

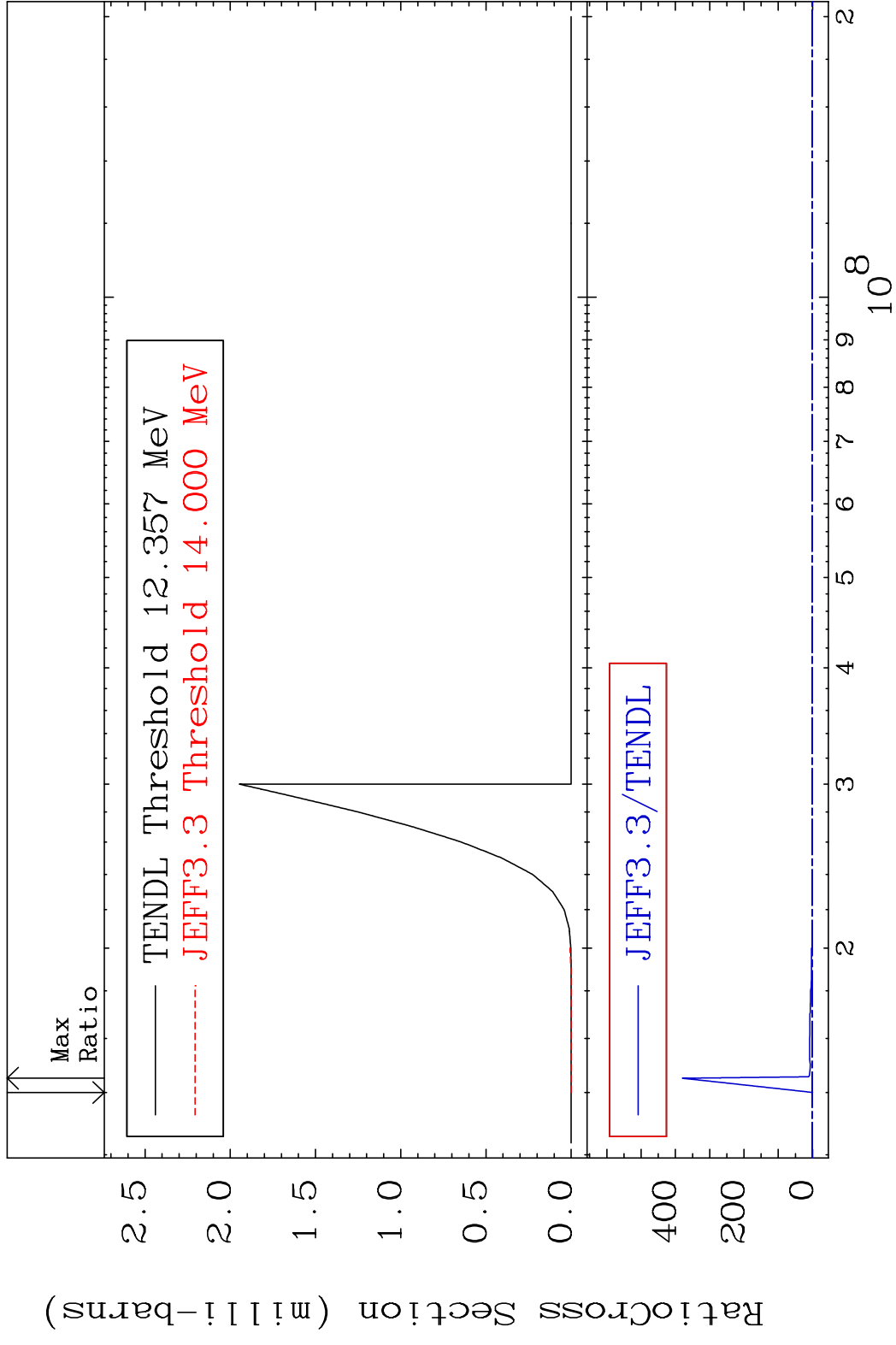


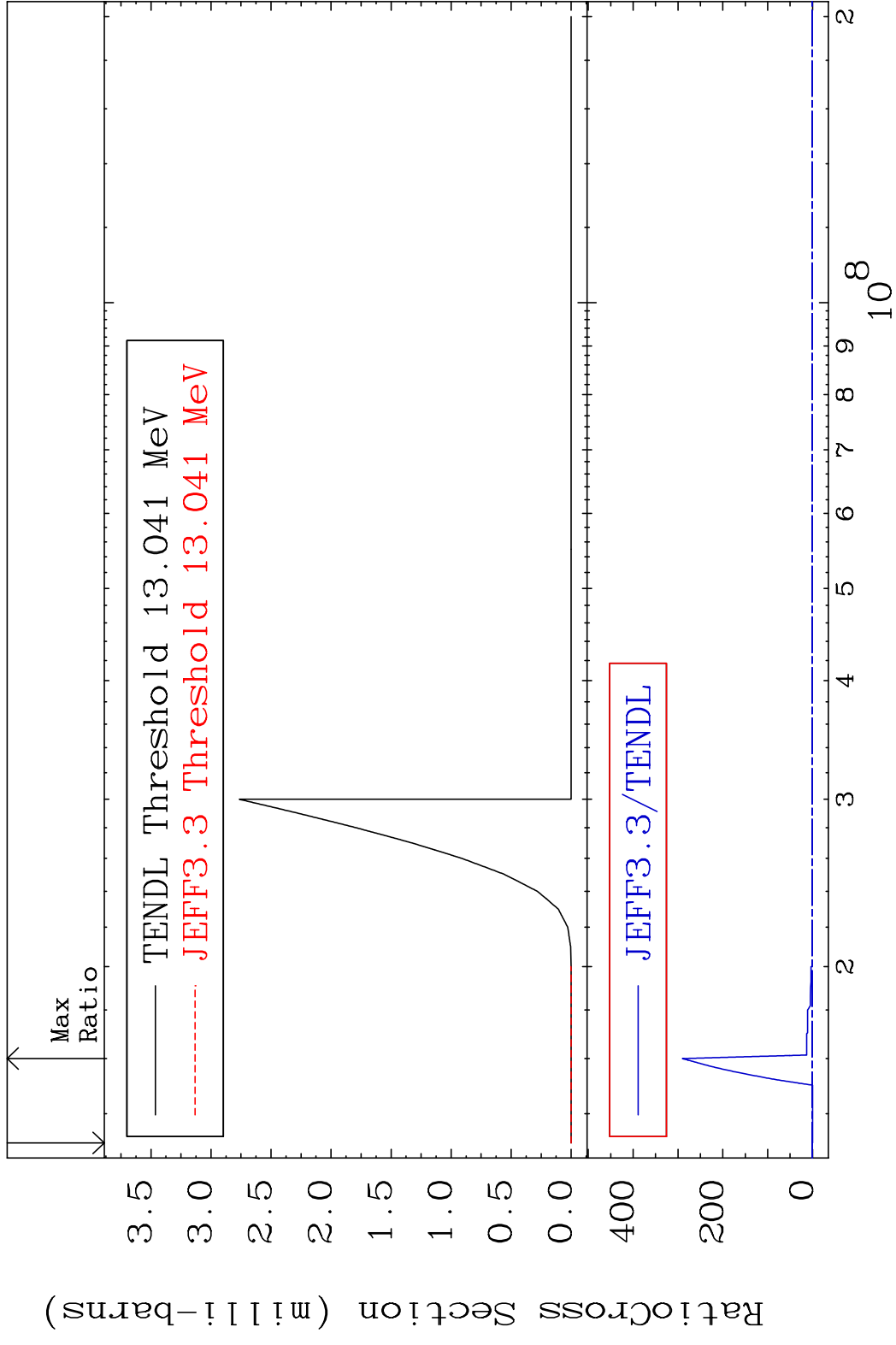
62 Incident Energy (eV) 72-Hf-174

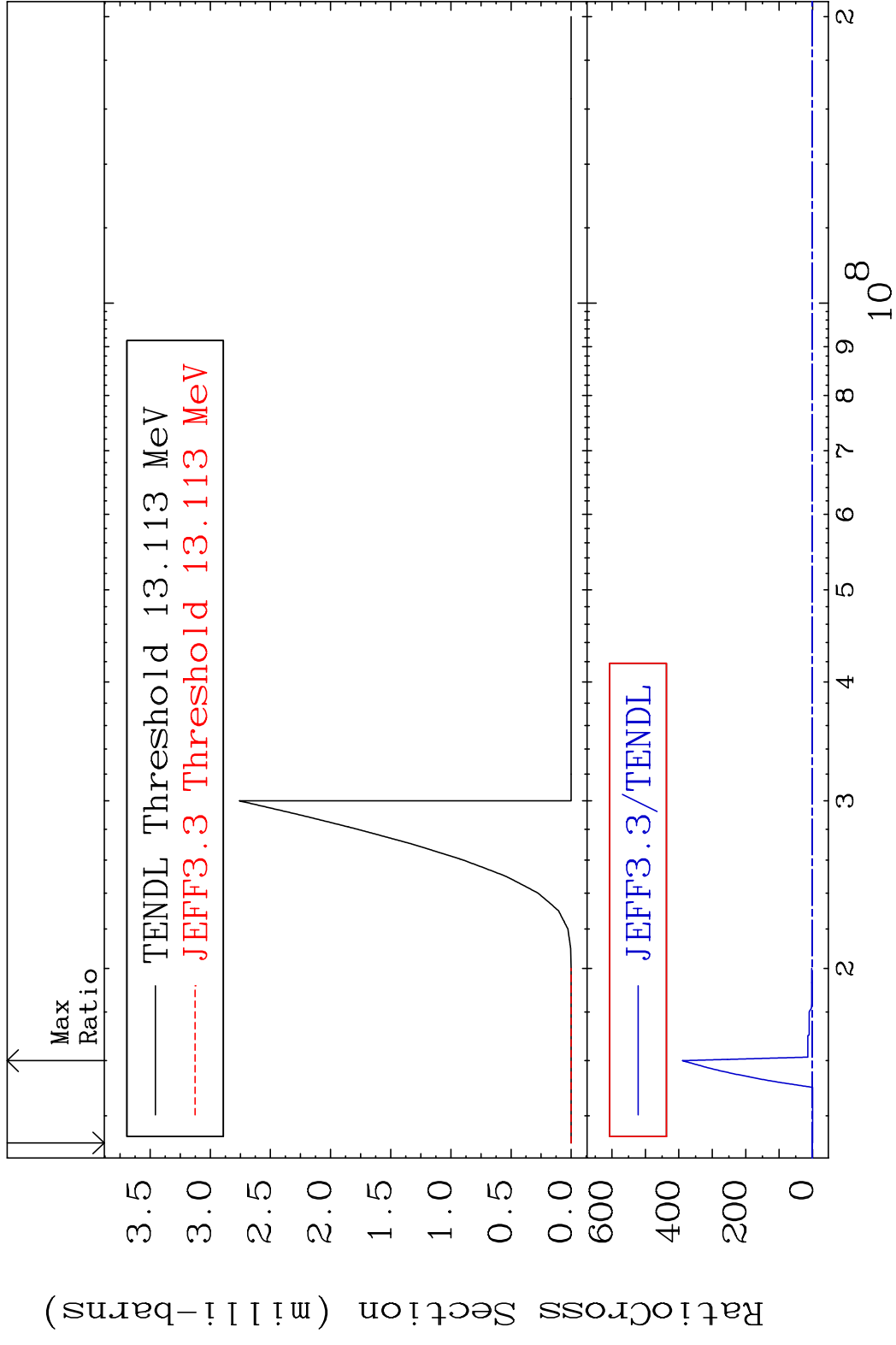


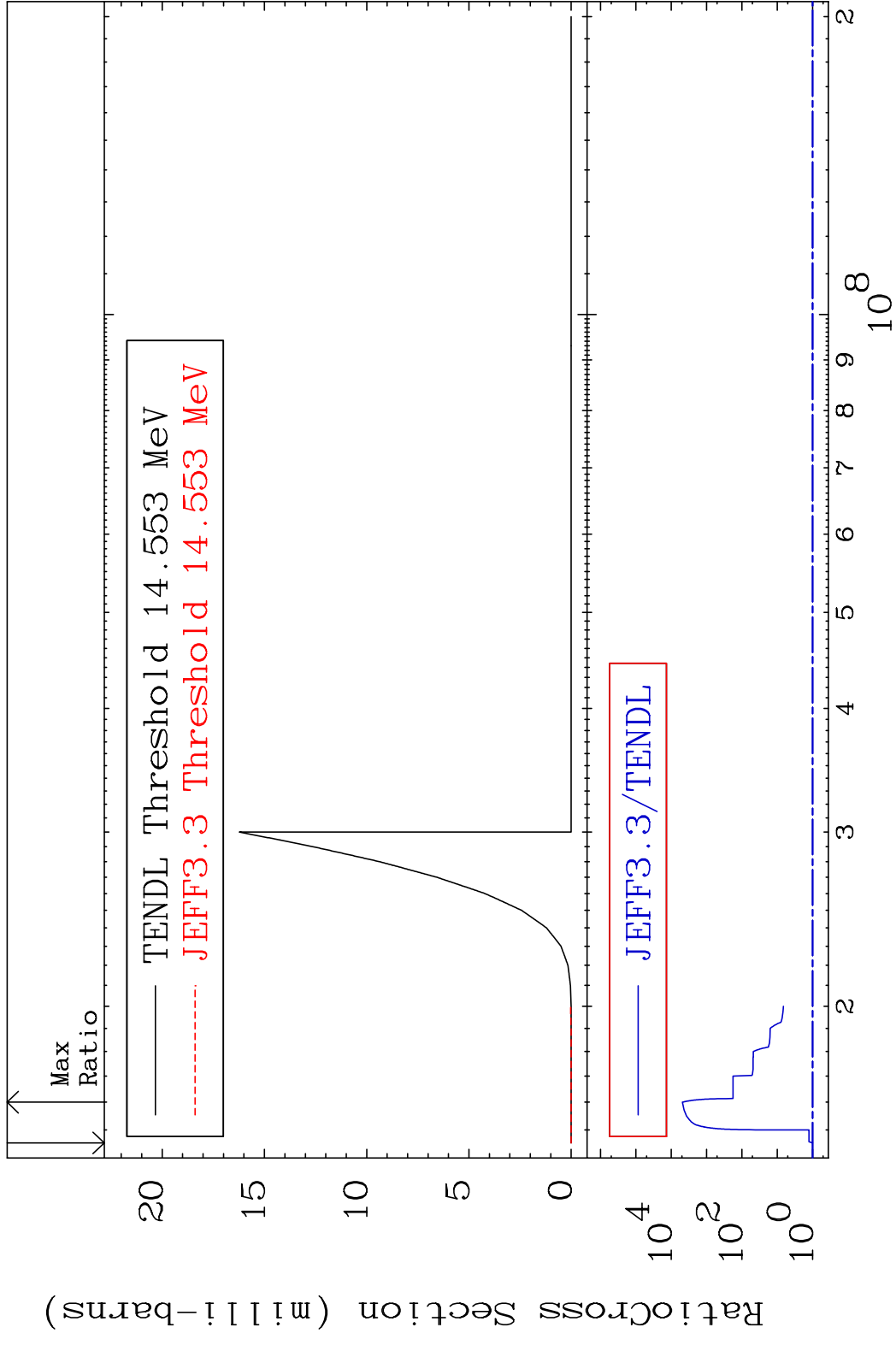


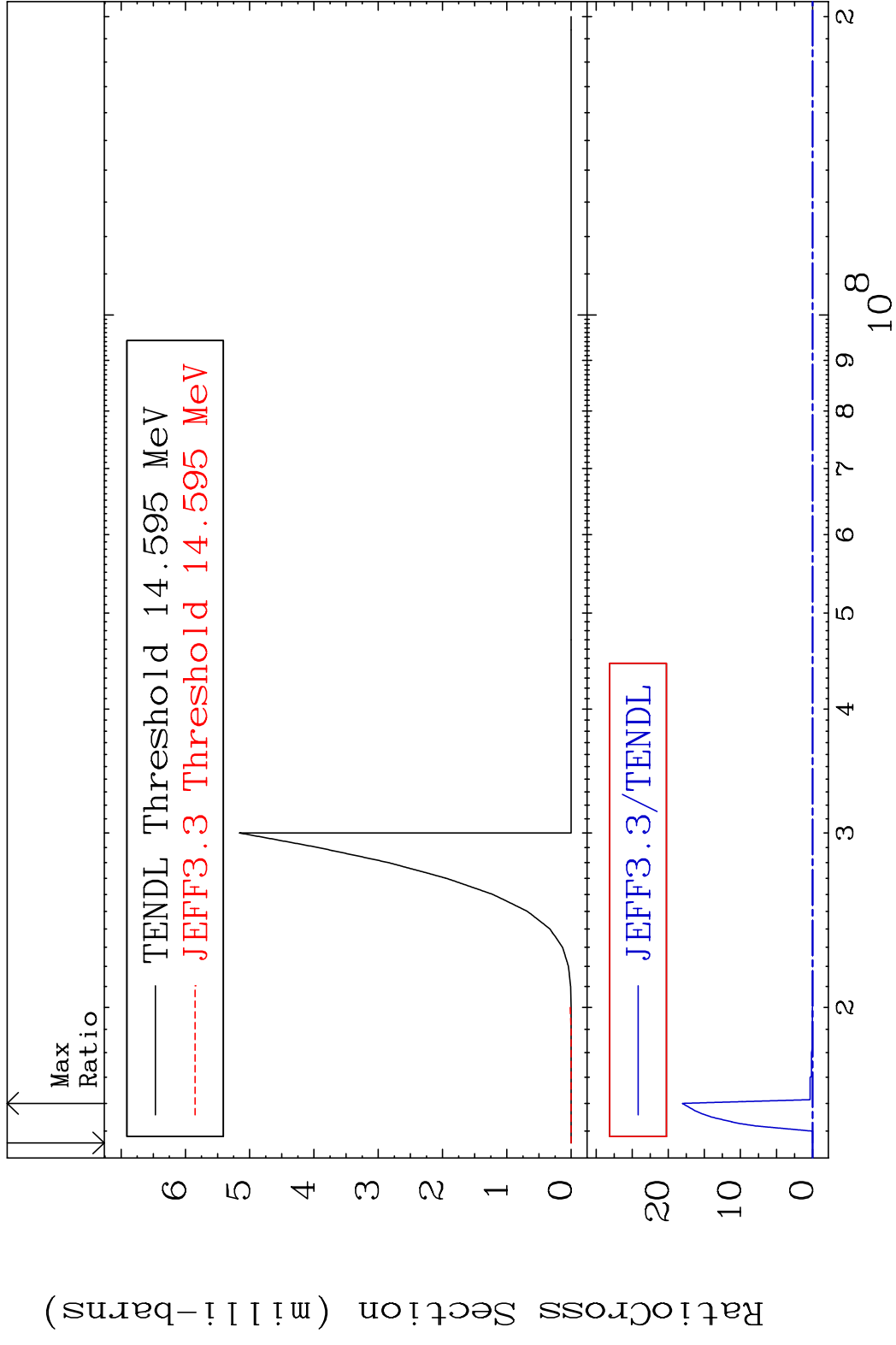












MAT 7225 (n, t):71-Lu-172g 72-Hf-174
 Radionuclide Production Cross Section 518.3 %

