

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

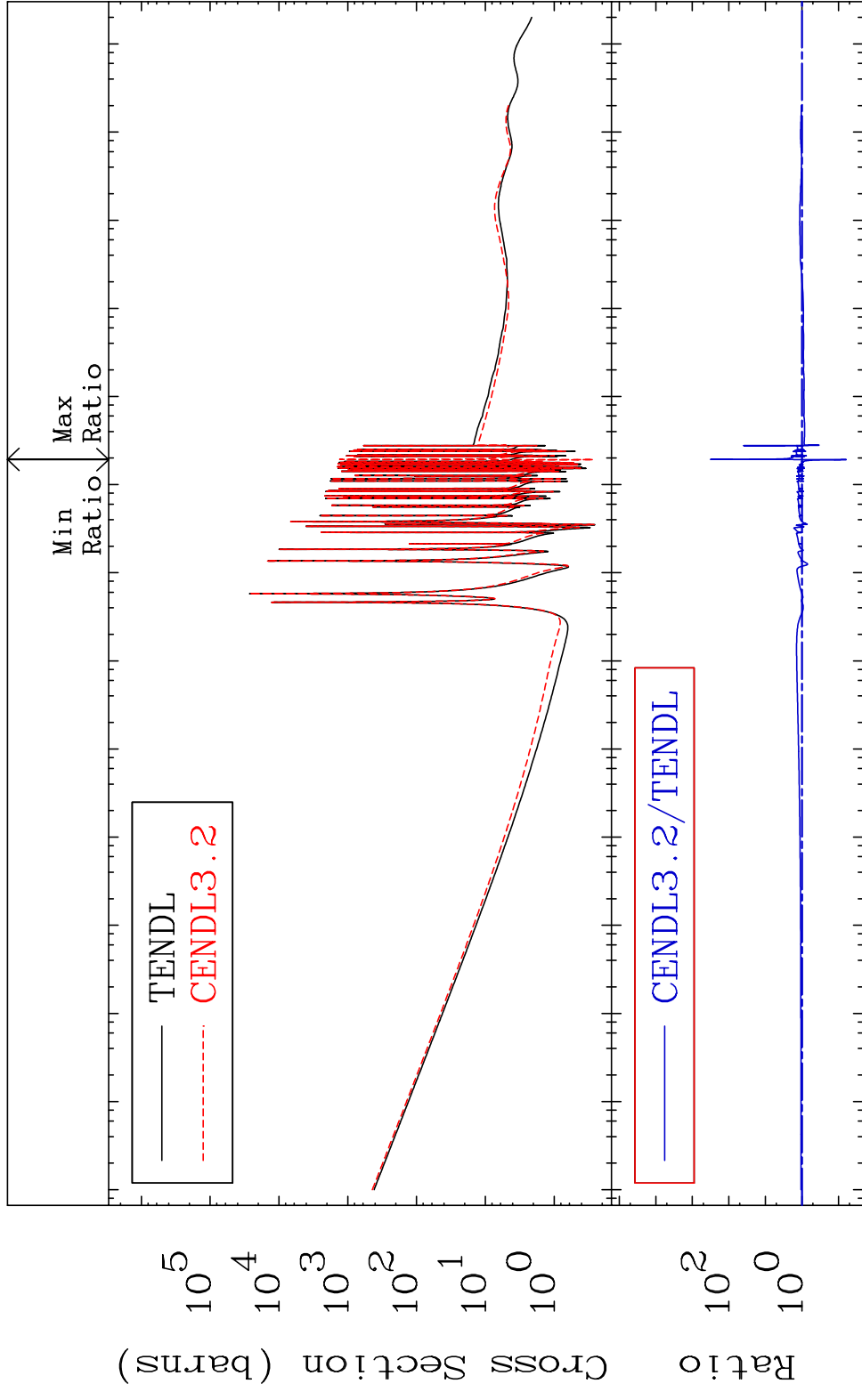
MAT 5625

Total

56-Ba-130

Cross Section

-93.91 To 9999. %



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

1

Incident Energy (eV)

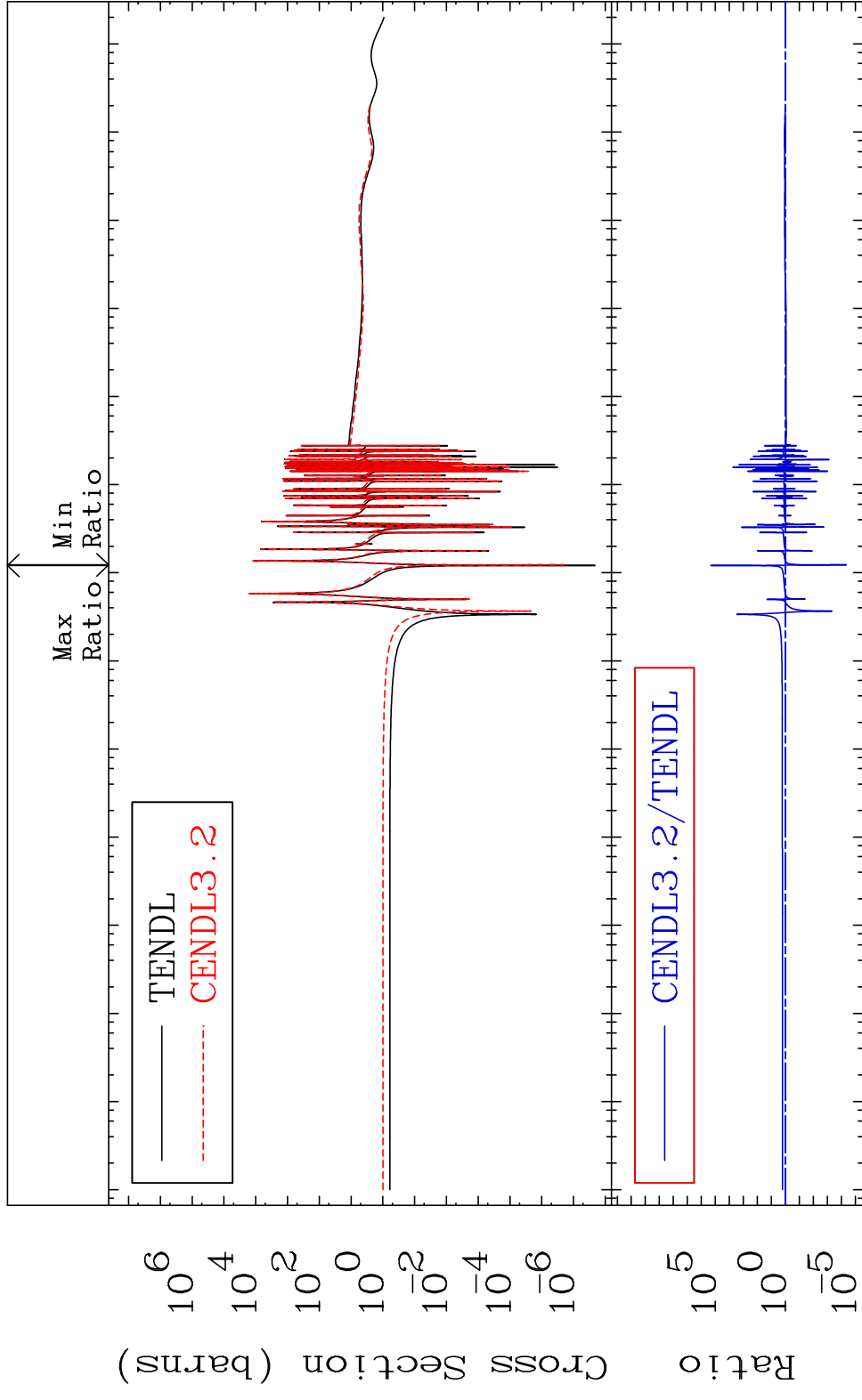
56-Ba-130

MAT 5625

Elastic

56-Ba-130

Cross Section -100.0 To 9999. %



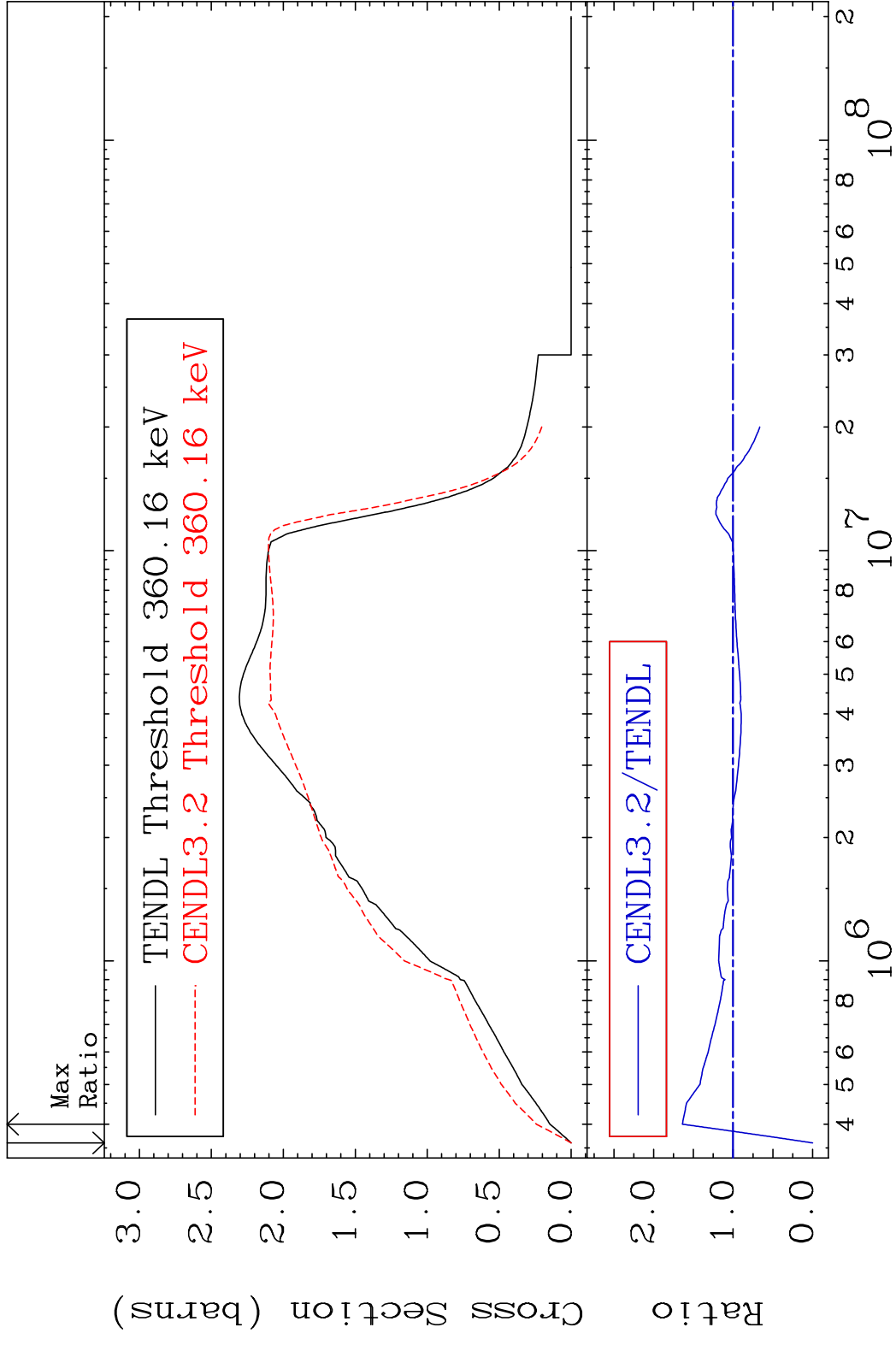
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

56-Ba-130

MAT 5625 Inelastic 56-Ba-130
 Cross Section -100.0 To 63.90 %

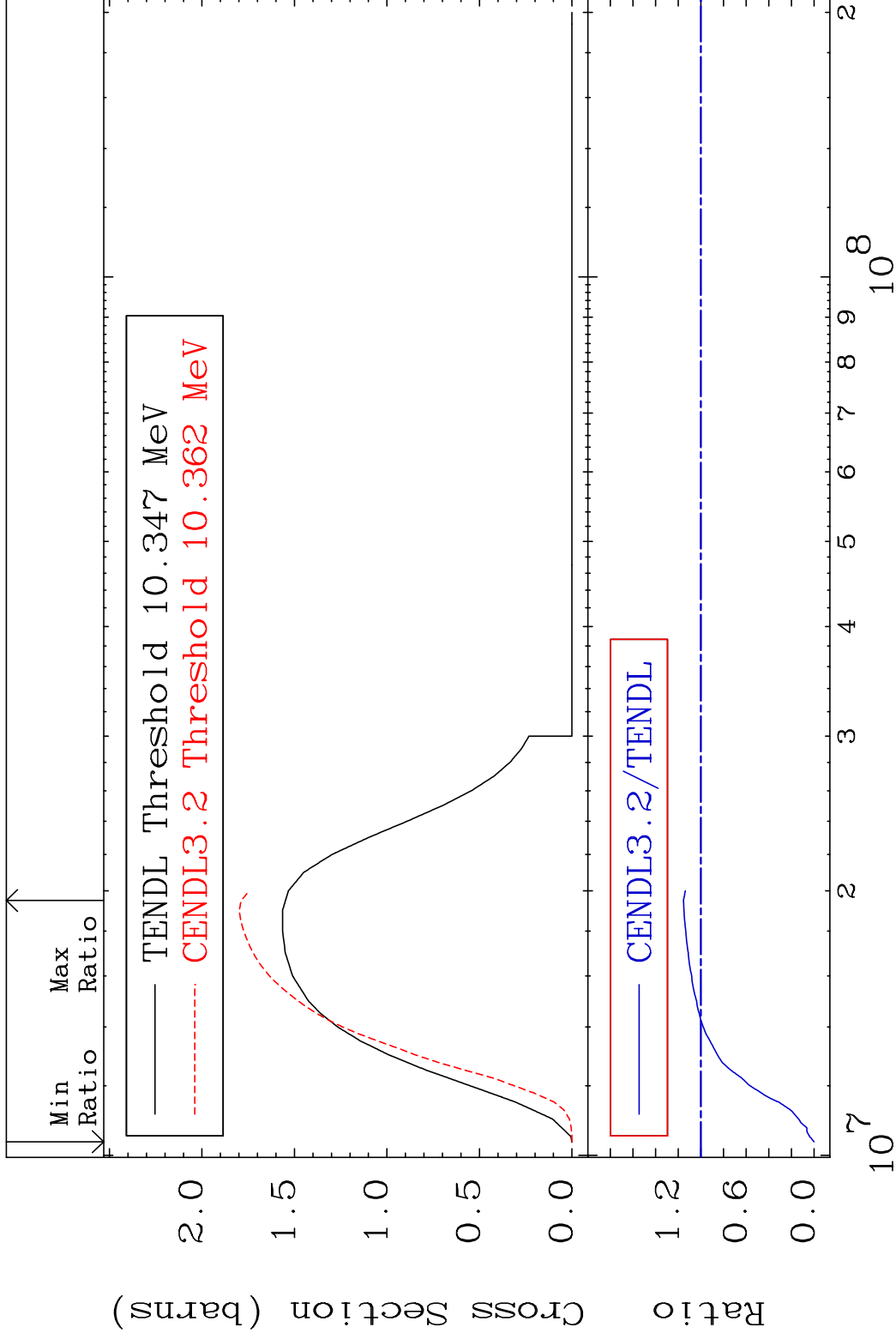


MAT 5625

(n,2n)

56-Ba-130

Cross Section -100.0 To 15.43 %



4

Incident Energy (eV)

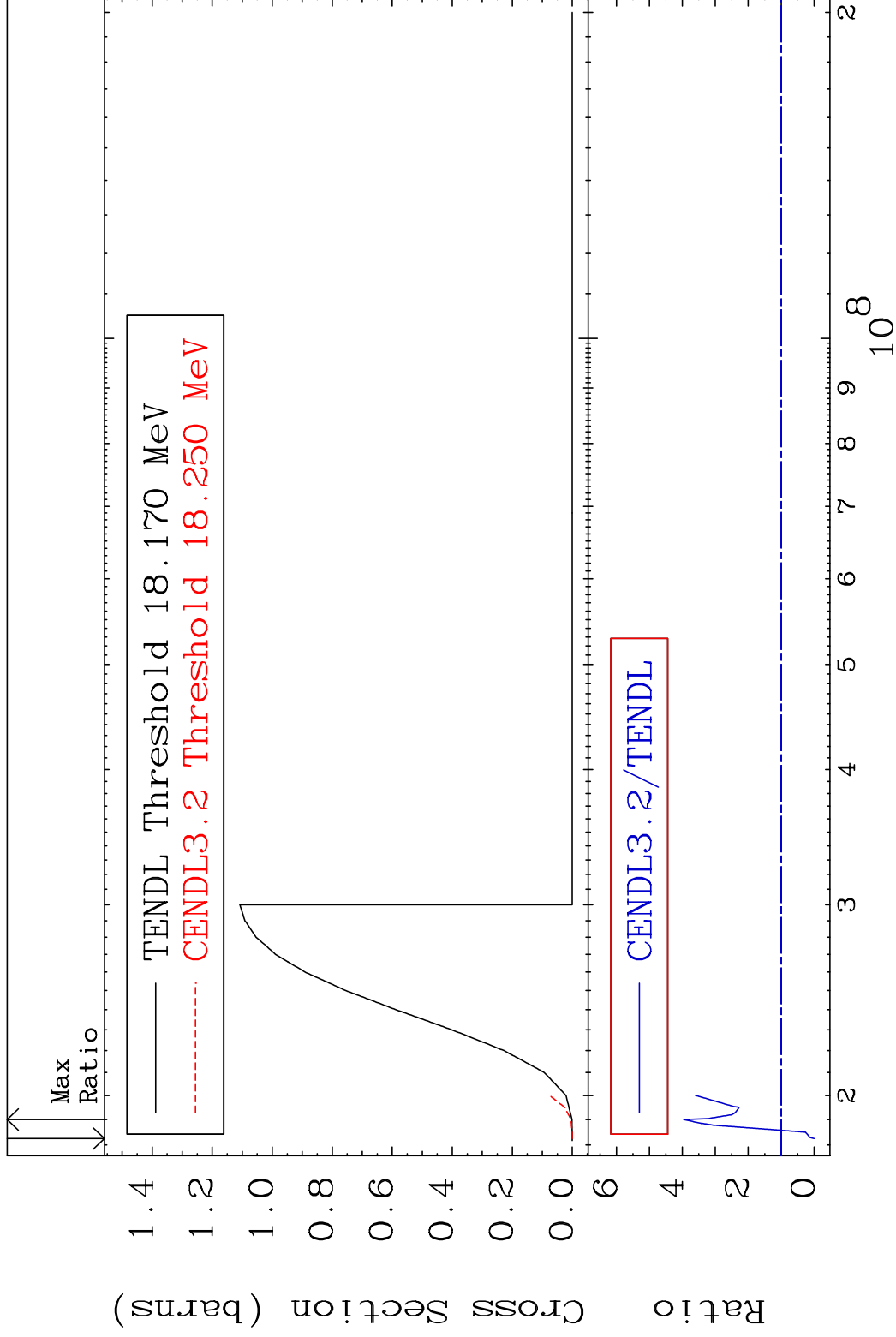
56-Ba-130

MAT 5625

(n,3n)

56-Ba-130

Cross Section -100.0 To 296.1 %

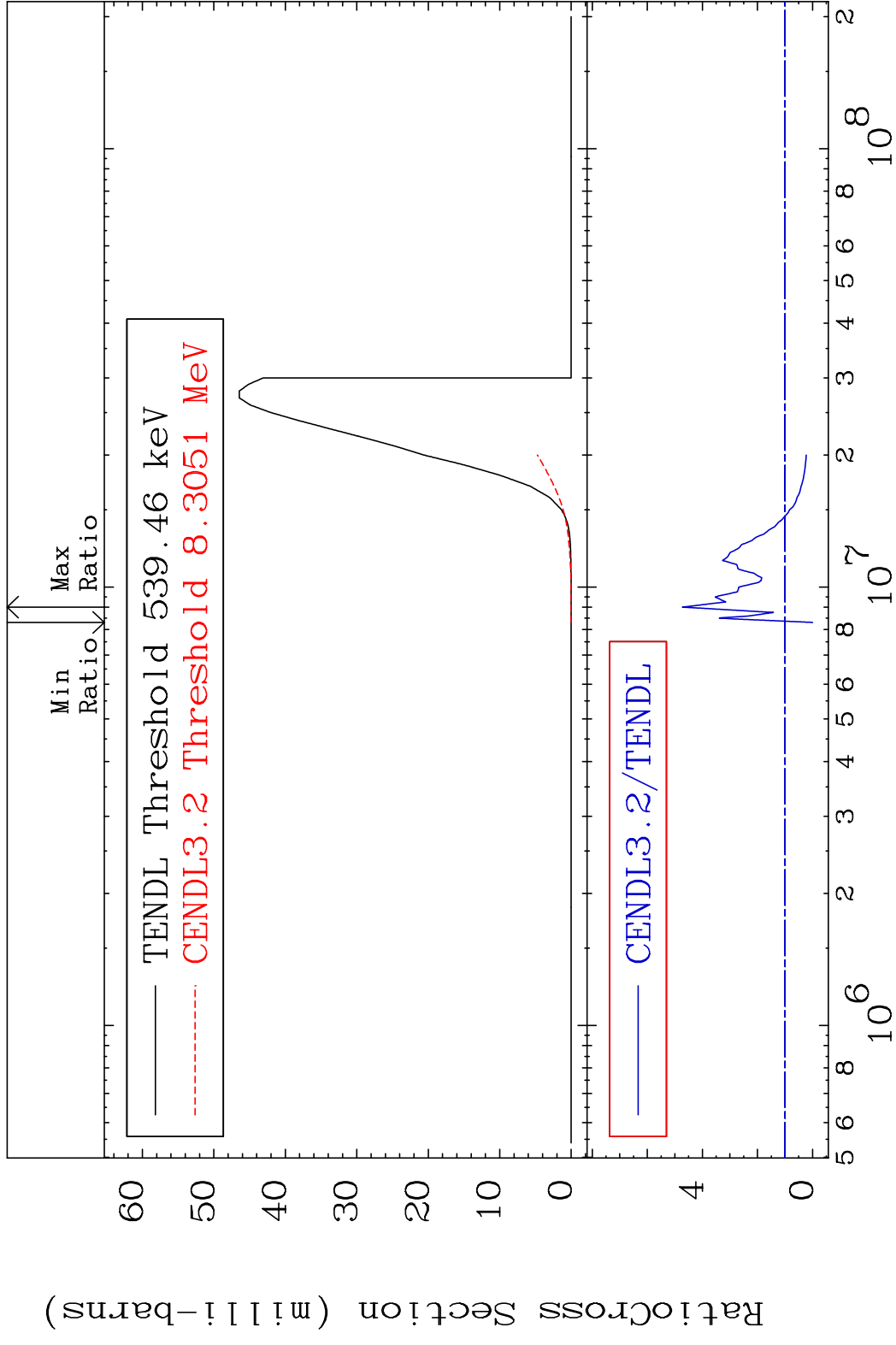


5

Incident Energy (eV)

56-Ba-130

MAT 5625 (n, n') α 56-Ba-130
 Cross Section -100.0 To 372.7 %



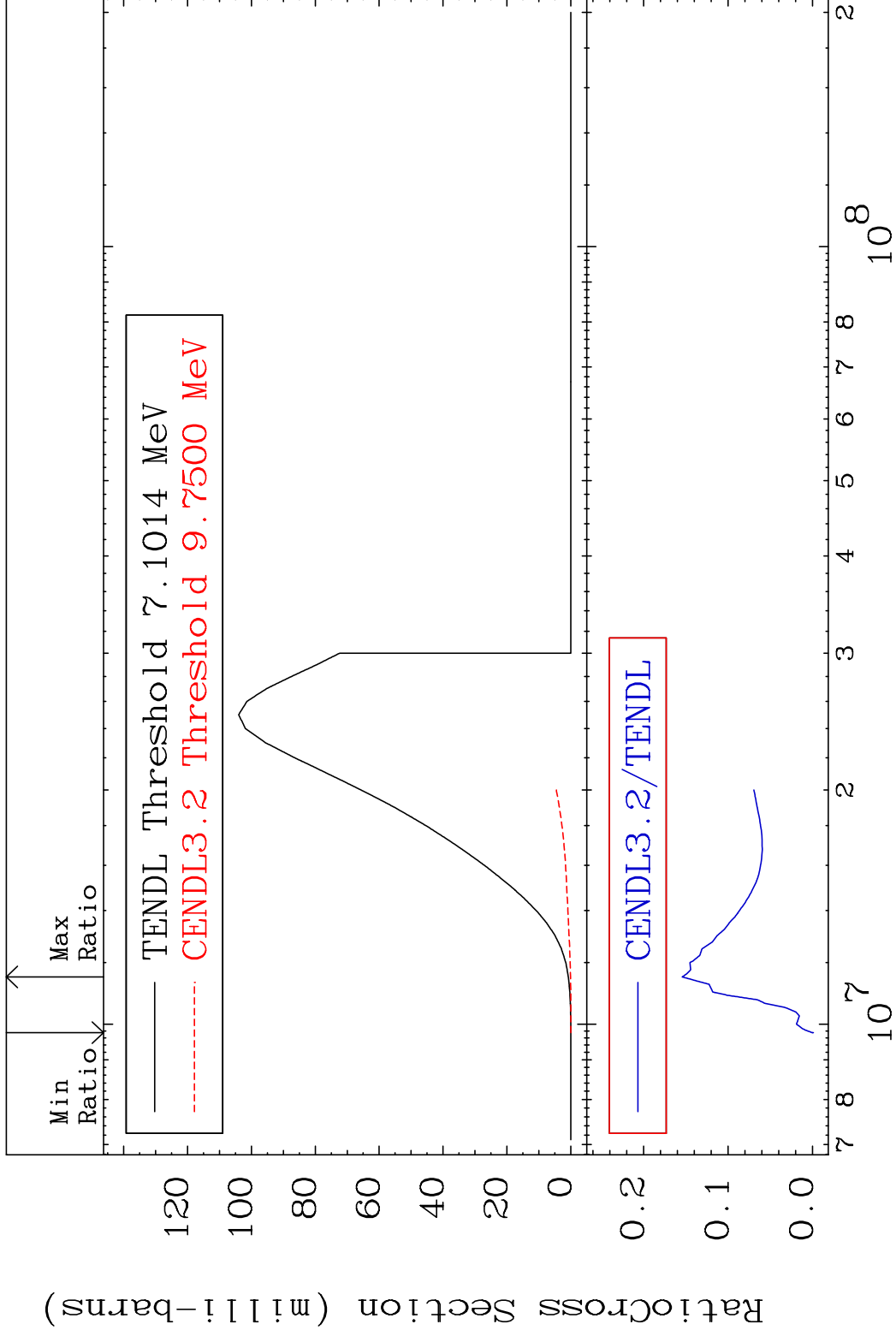
6 56-Ba-130

MAT 5625

(n, n') p

56-Ba-130

Cross Section -100.0 To -84.57%

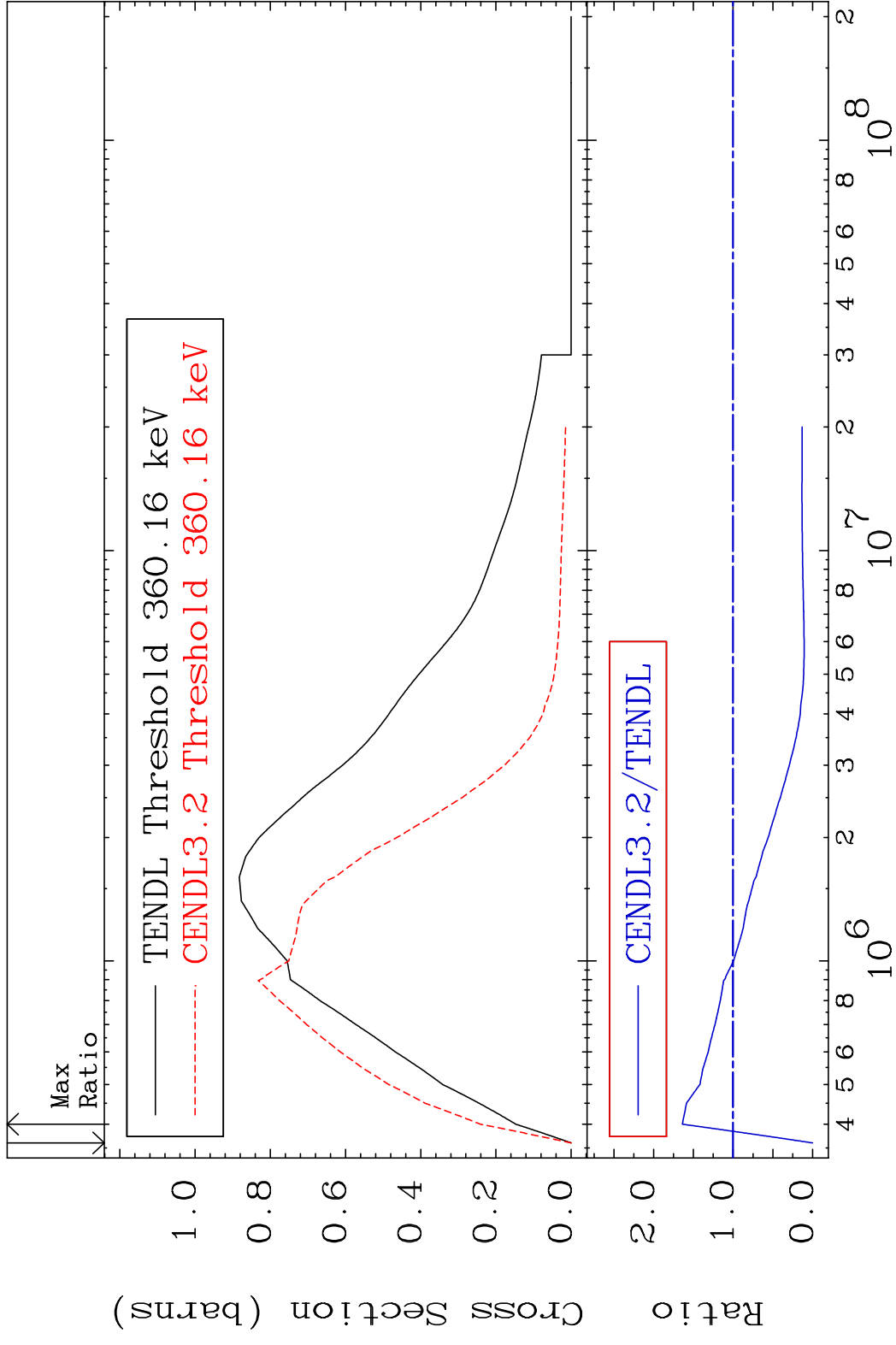


7

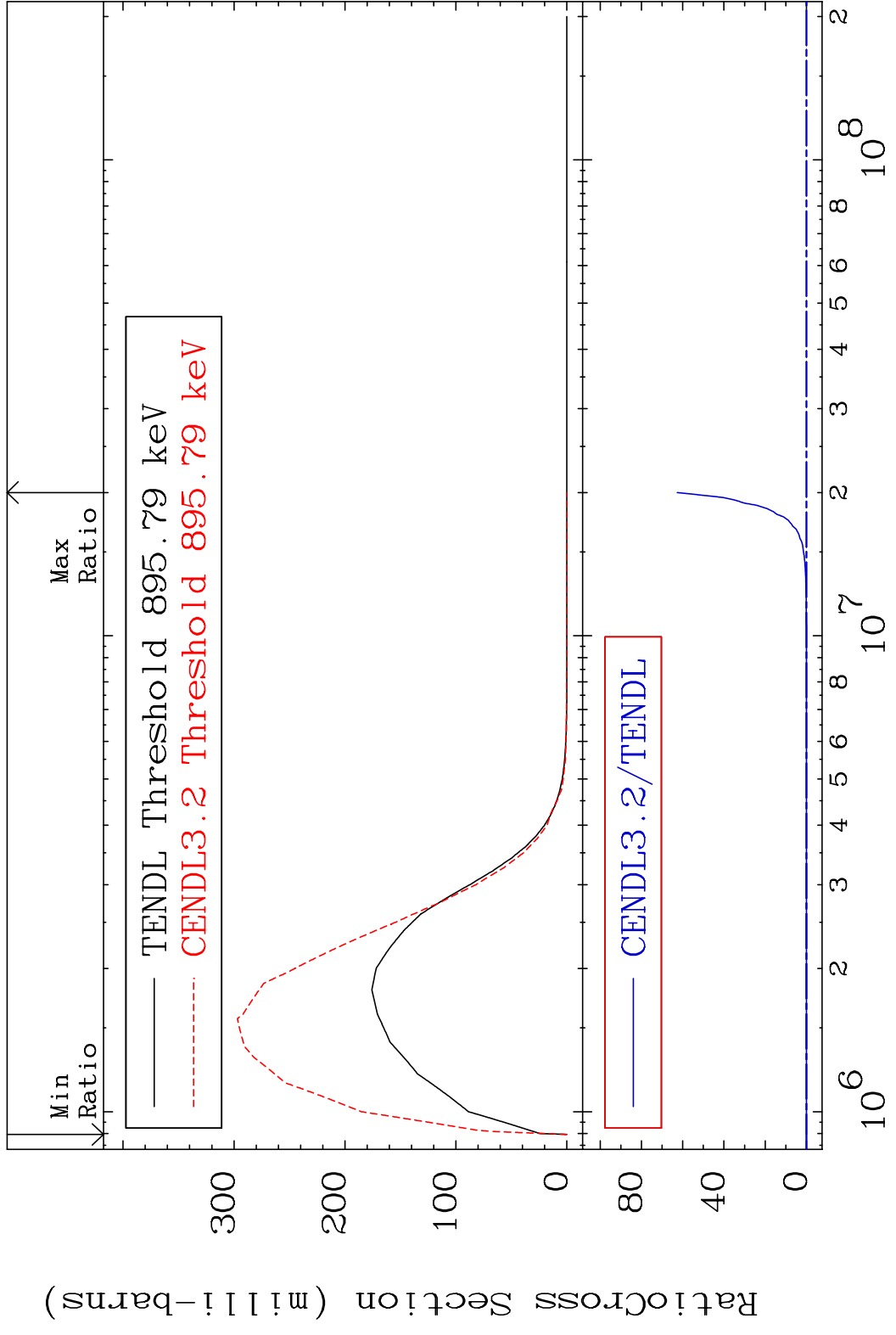
Incident Energy (eV)

56-Ba-130

MAT 5625 MT= 51 (n,n') Level 56-Ba-130
 Cross Section -100.0 To 63.90 %

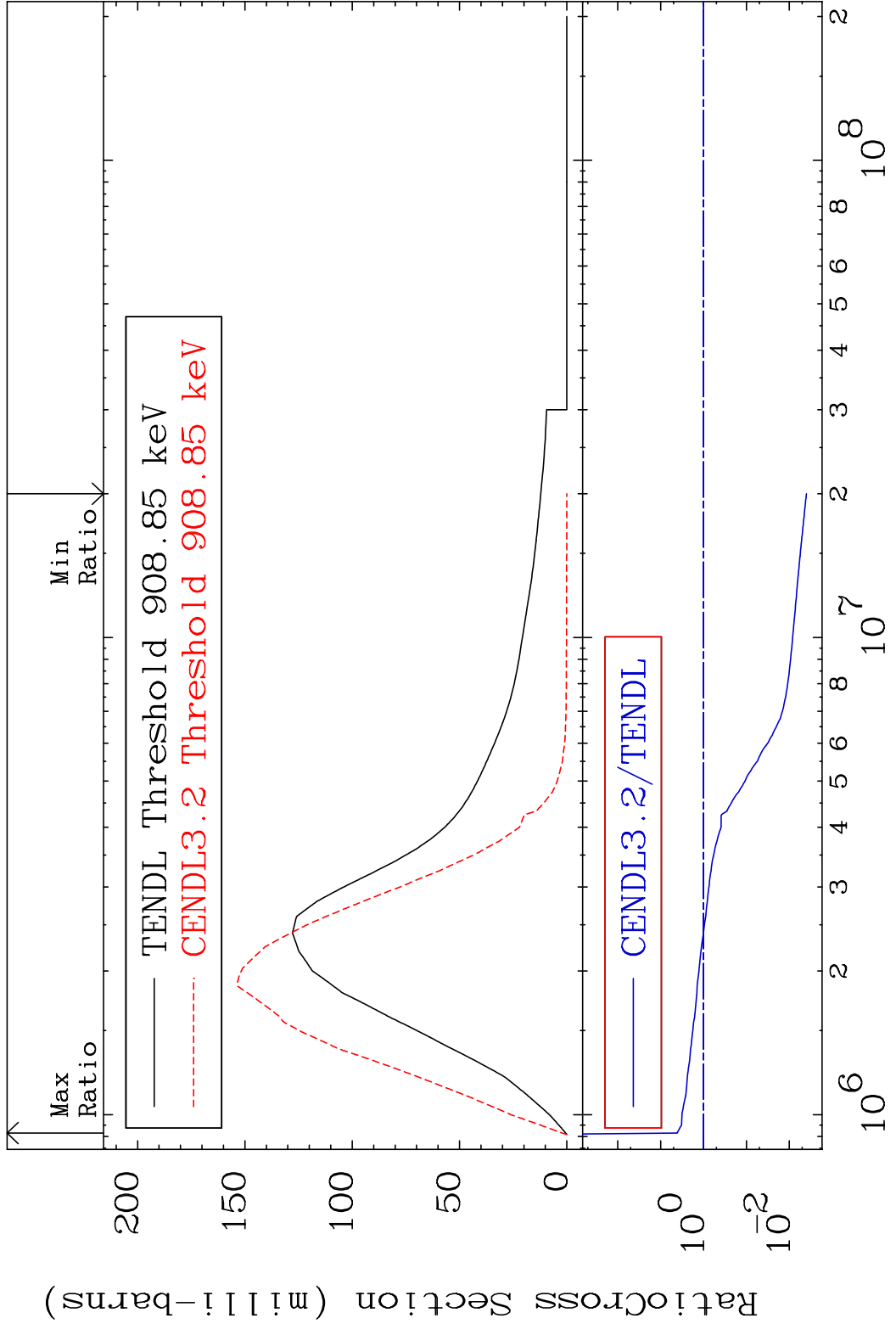


MAT 5625 MT= 52 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 9999. %



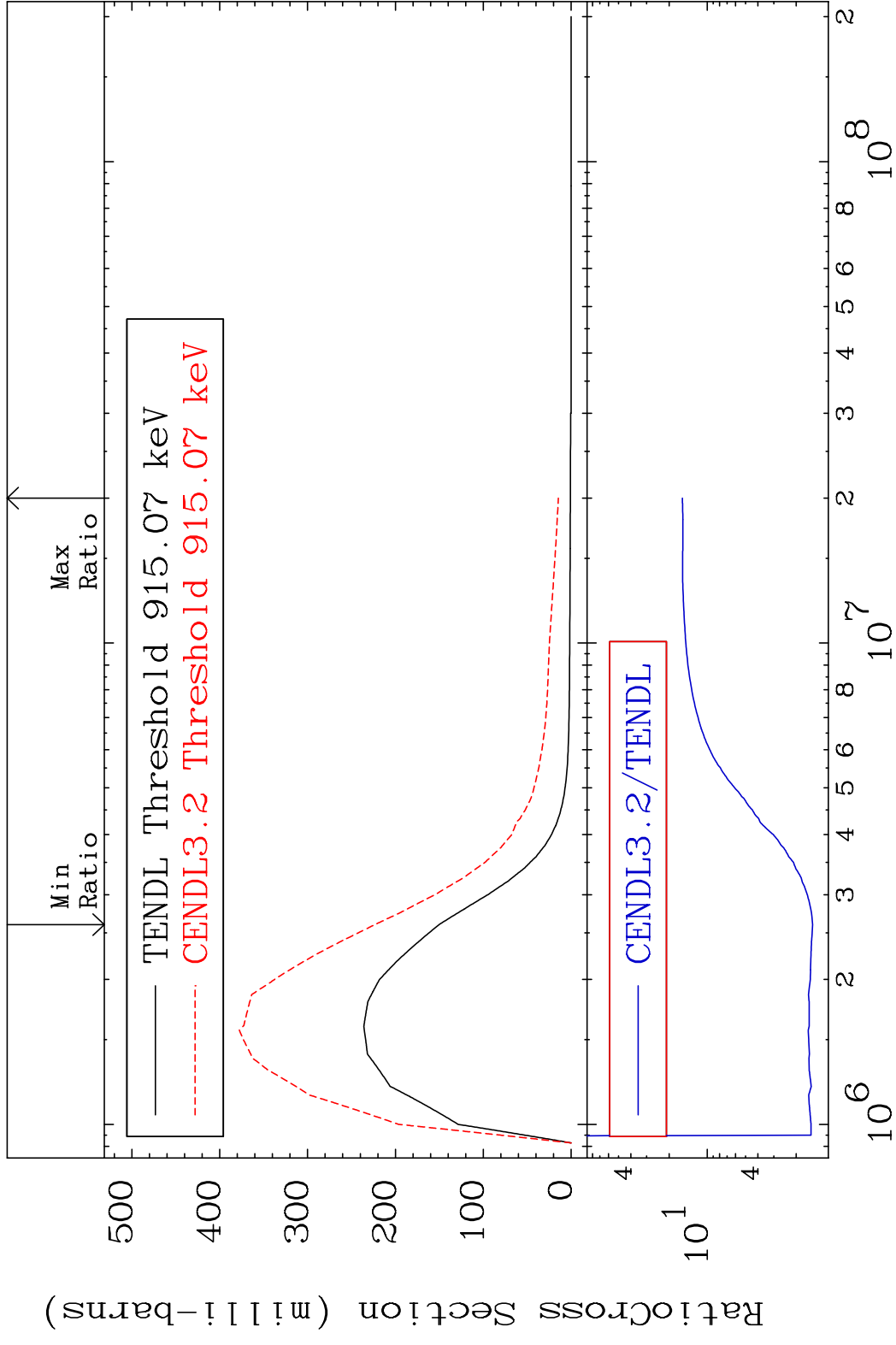
9 2 3 4 5 6 8 10⁶ 10⁷ 10⁸ 2 56-Ba-130

MAT 5625 MT= 53 (n, n') Level 56-Ba-130
 Cross Section -99.60 To 311.0 %



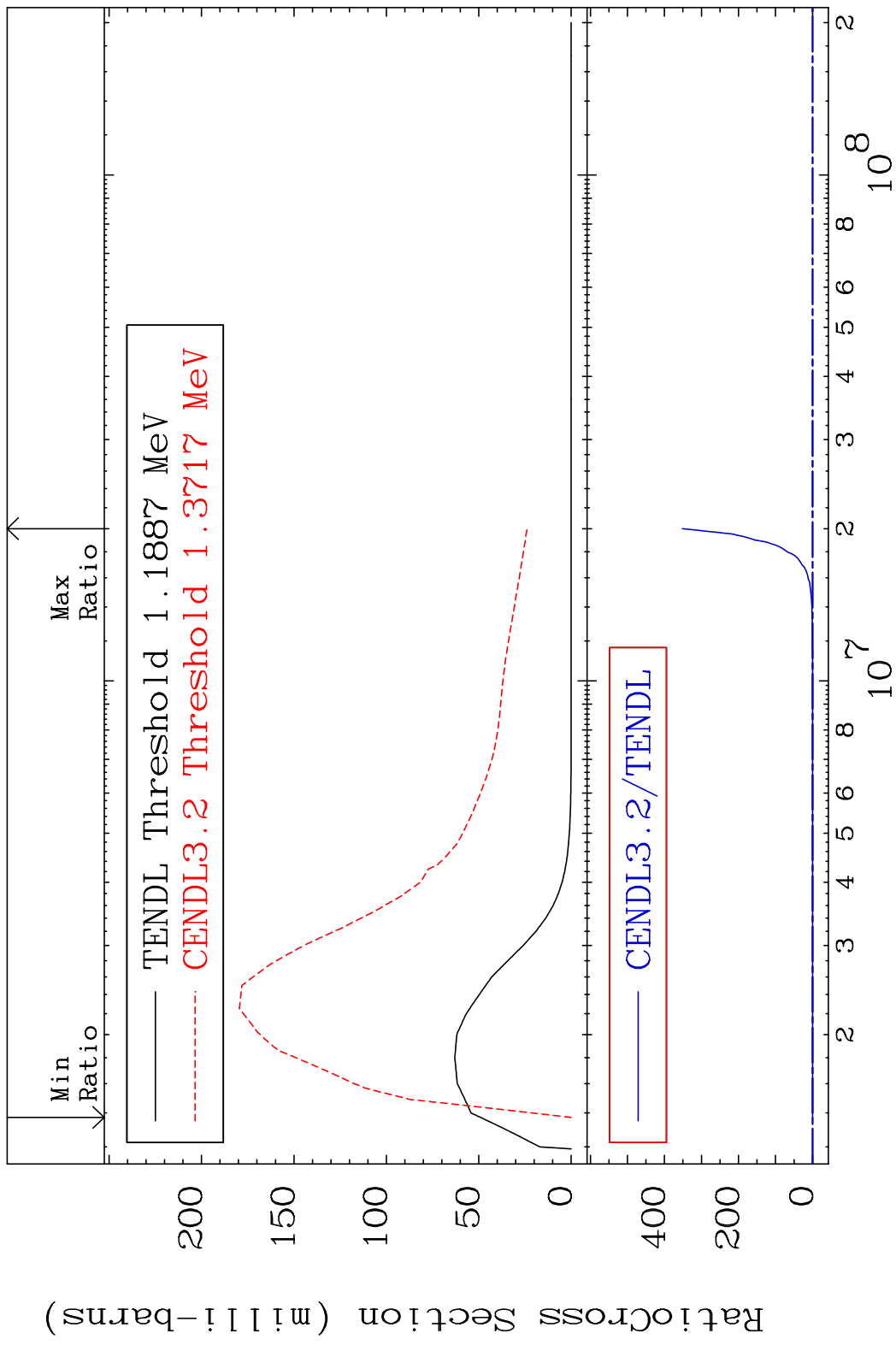
10 10⁶ 10⁷ 10⁸ 2
 56-Ba-130

MAT 5625 MT= 54 (n, n') Level 56-Ba-130
 Cross Section 48.53 To 1472. %

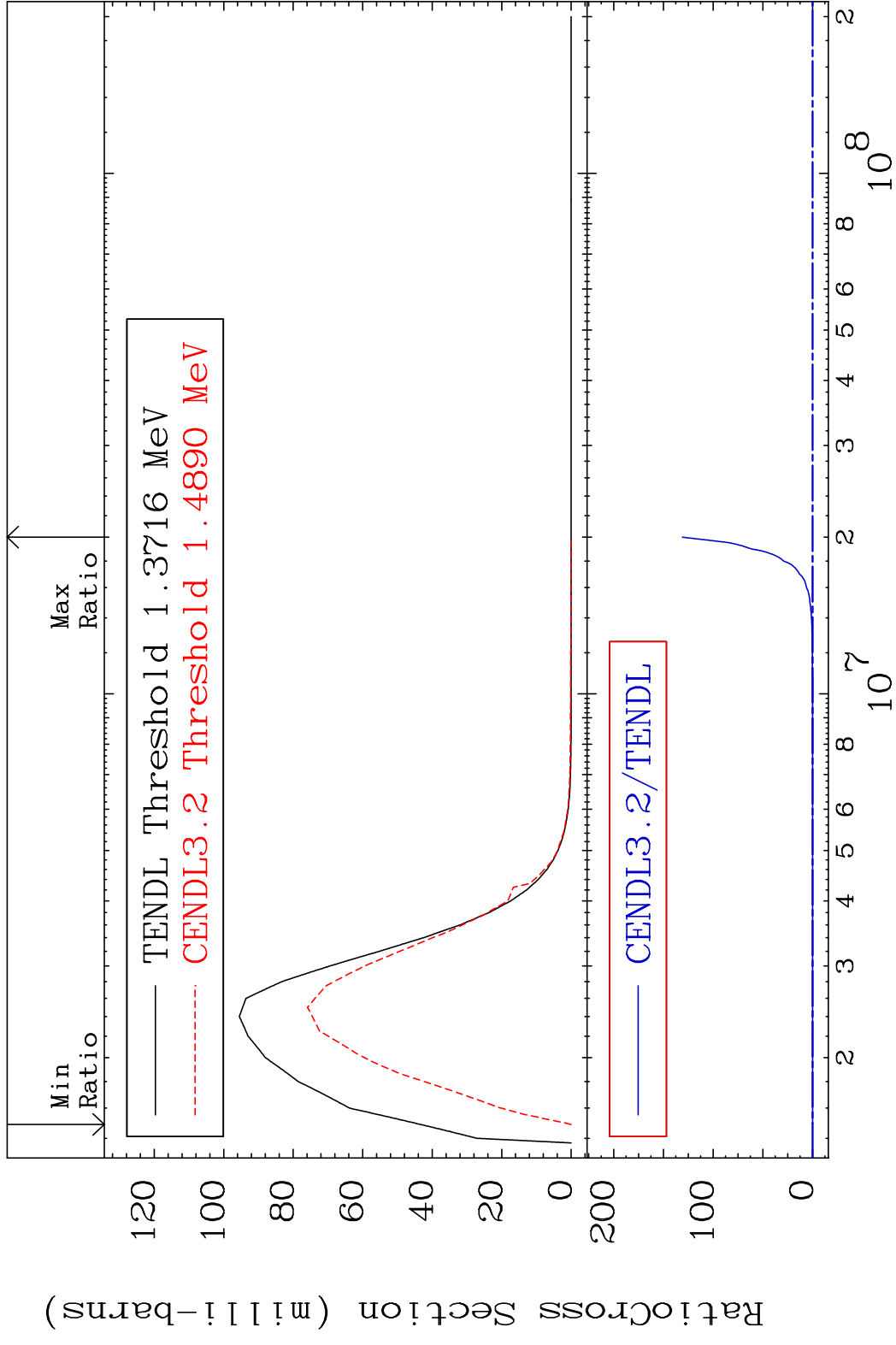


11 Incident Energy (eV) 56-Ba-130

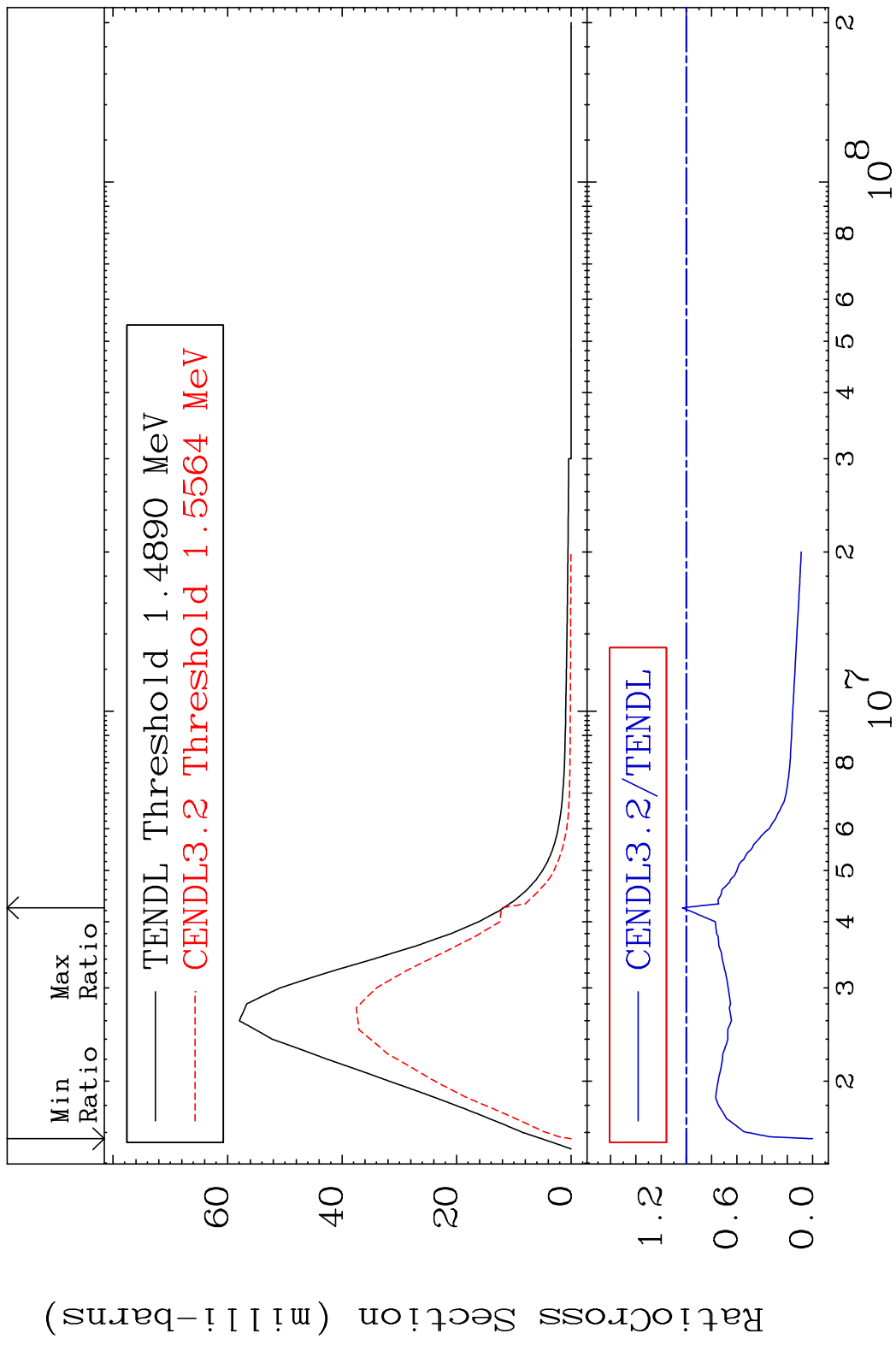
MAT 5625 MT= 55 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 9999. %



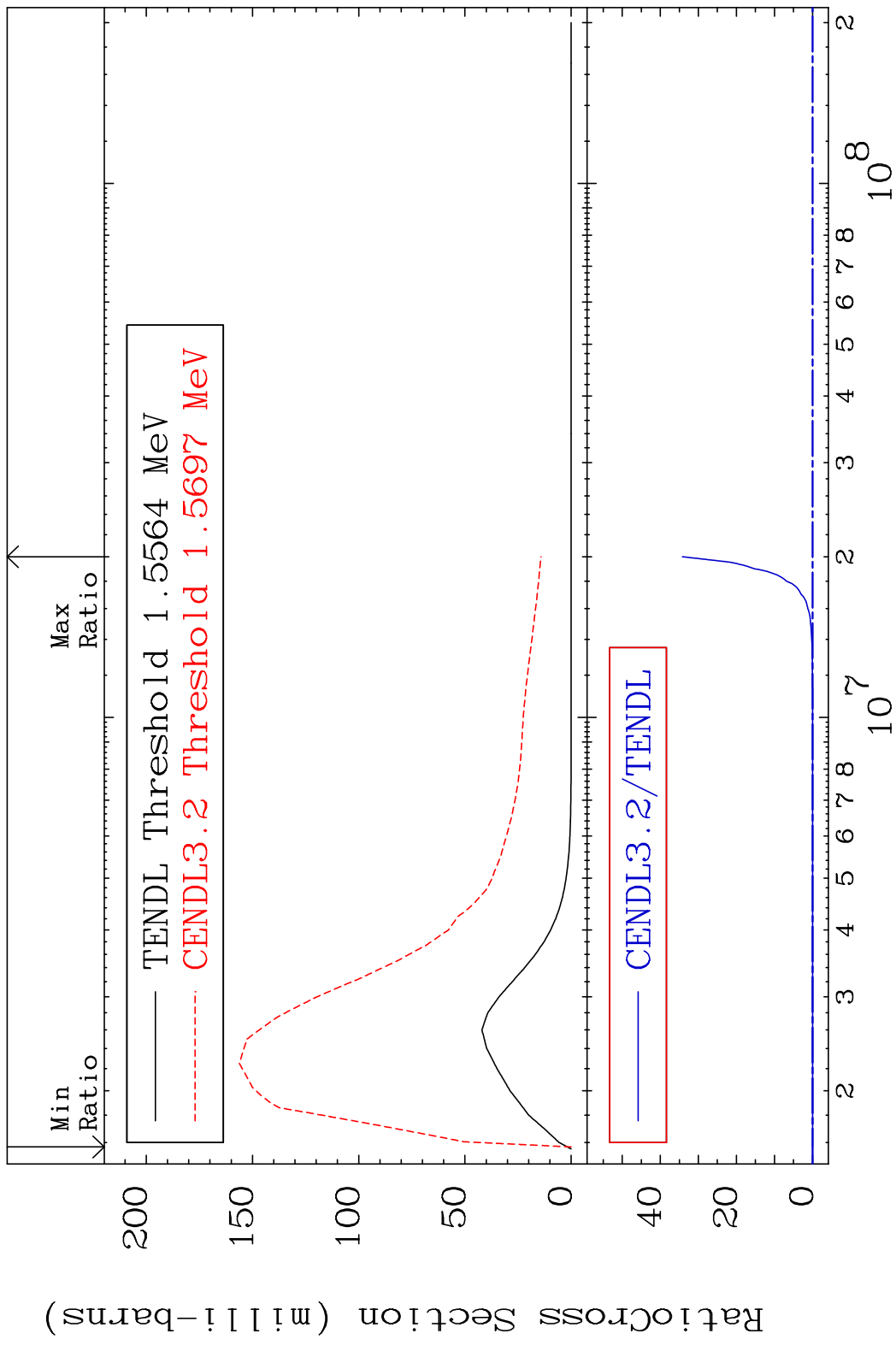
MAT 5625 MT= 56 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 9999. %



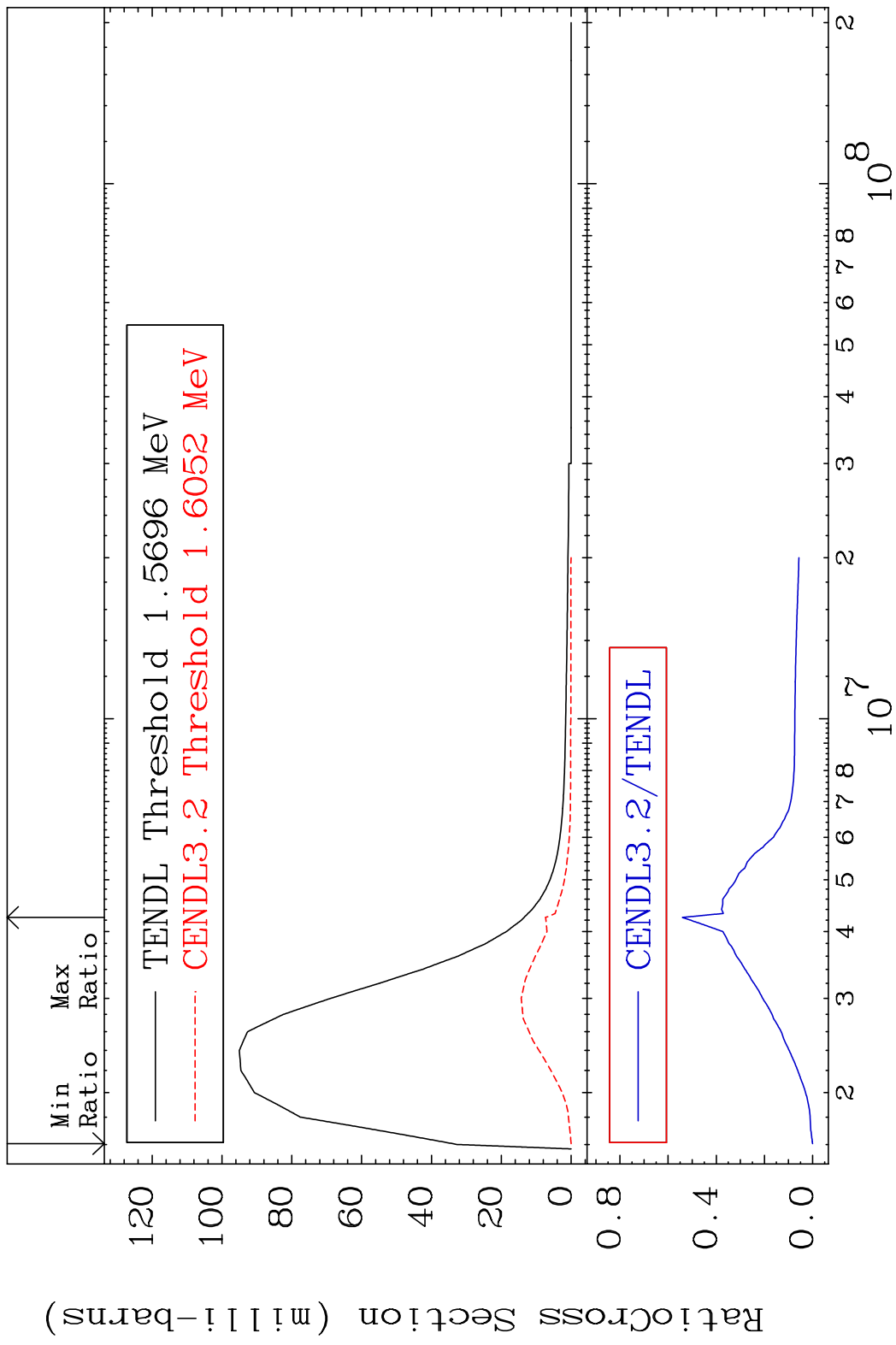
MAT 5625 MT= 57 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 3.161 %



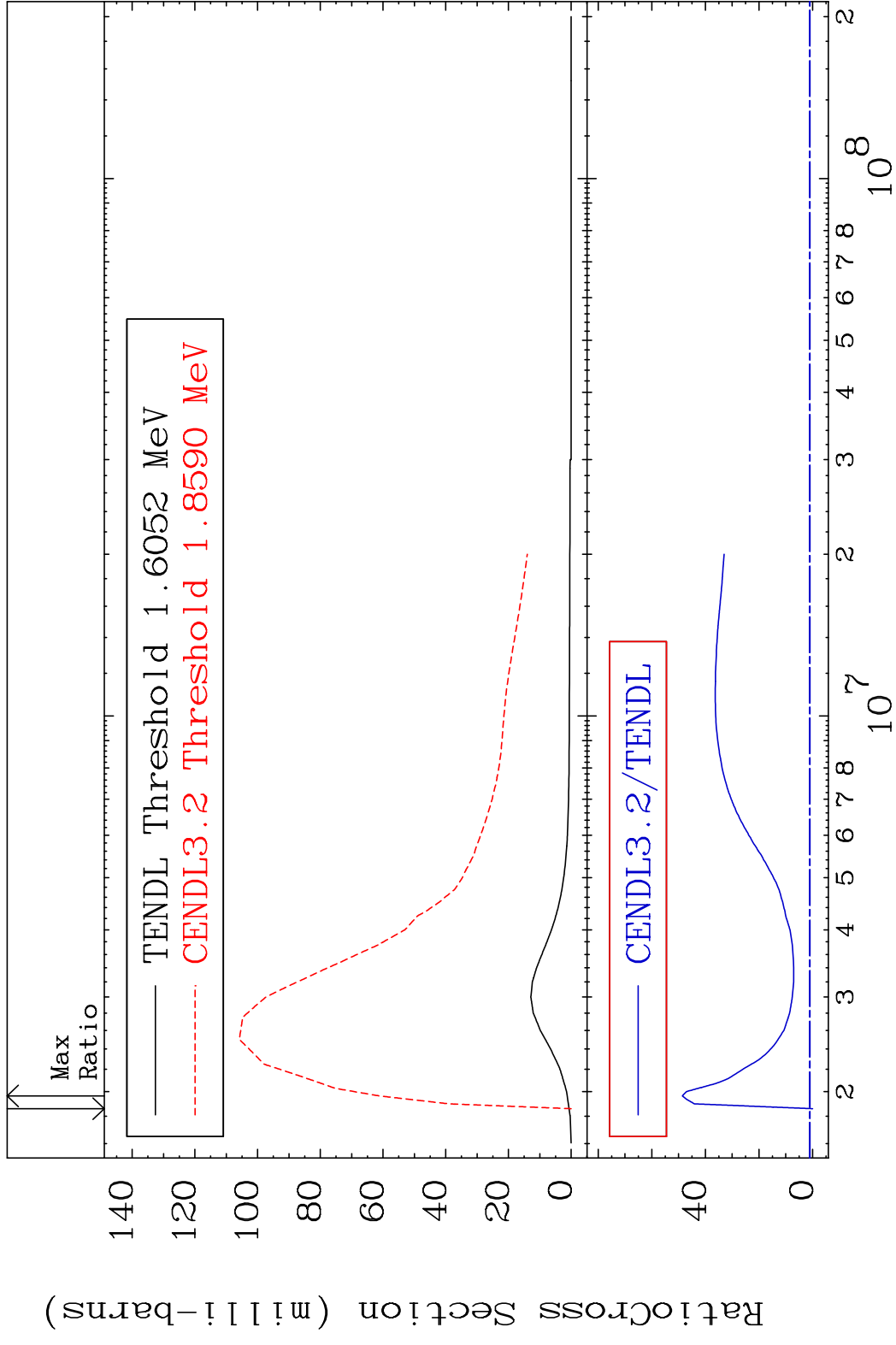
MAT 5625 MT= 58 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 9999. %



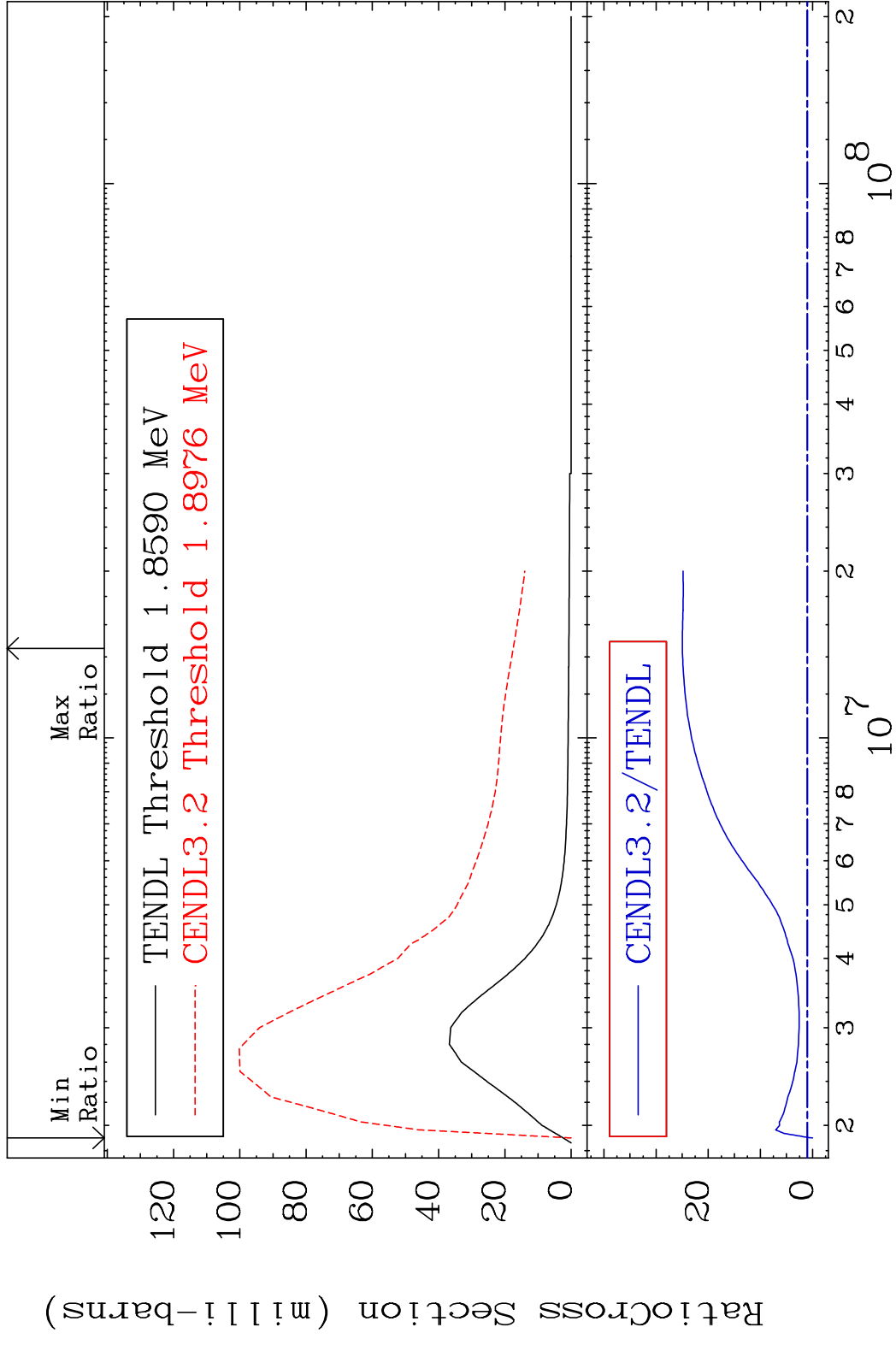
MAT 5625 MT= 59 (n,n') Level 56-Ba-130
 Cross Section -100.0 To -45.91%



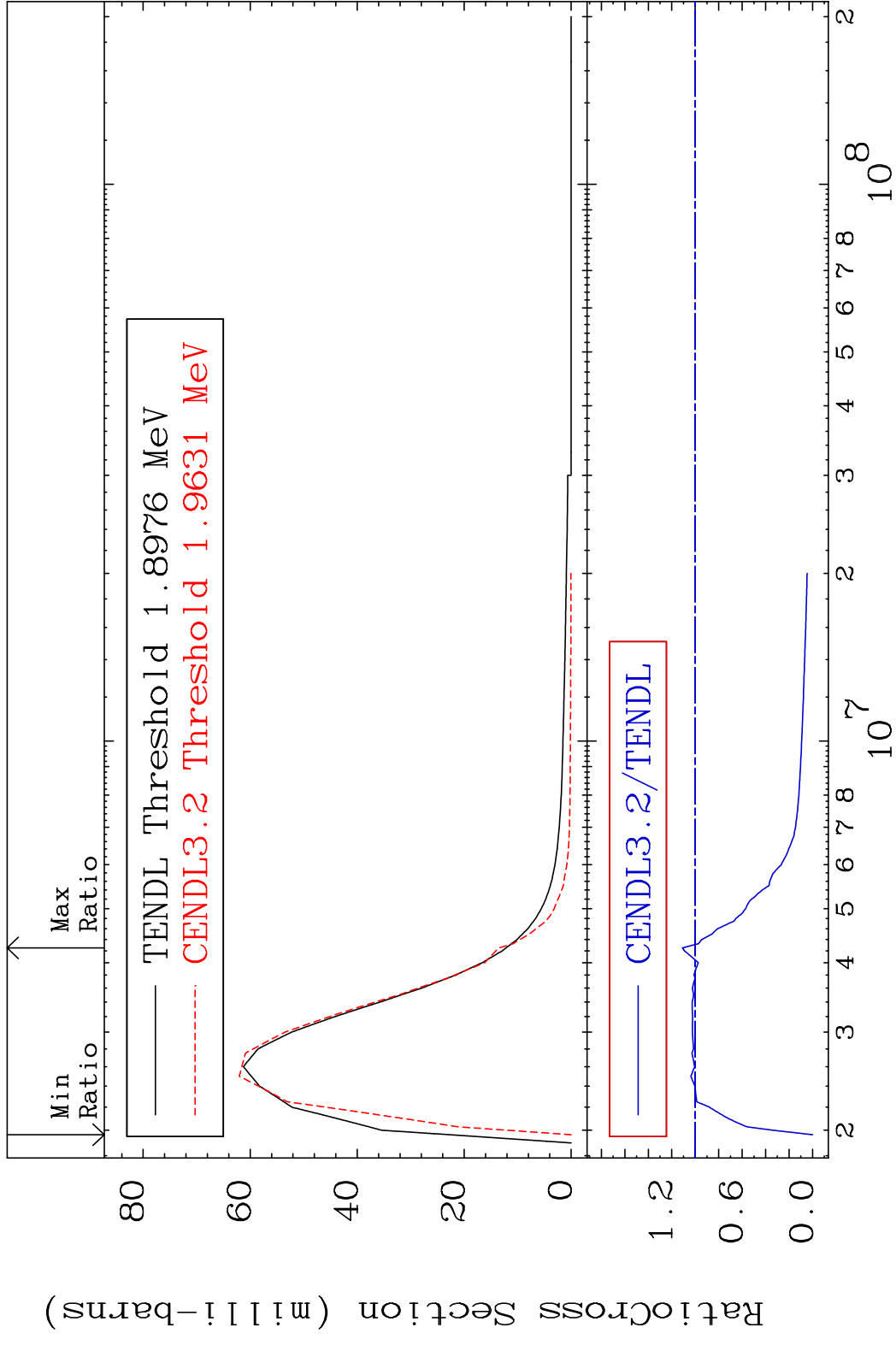
MAT 5625 MT= 60 (n,n') Level 56-Ba-130
 Cross Section -100.0 To 4759. %



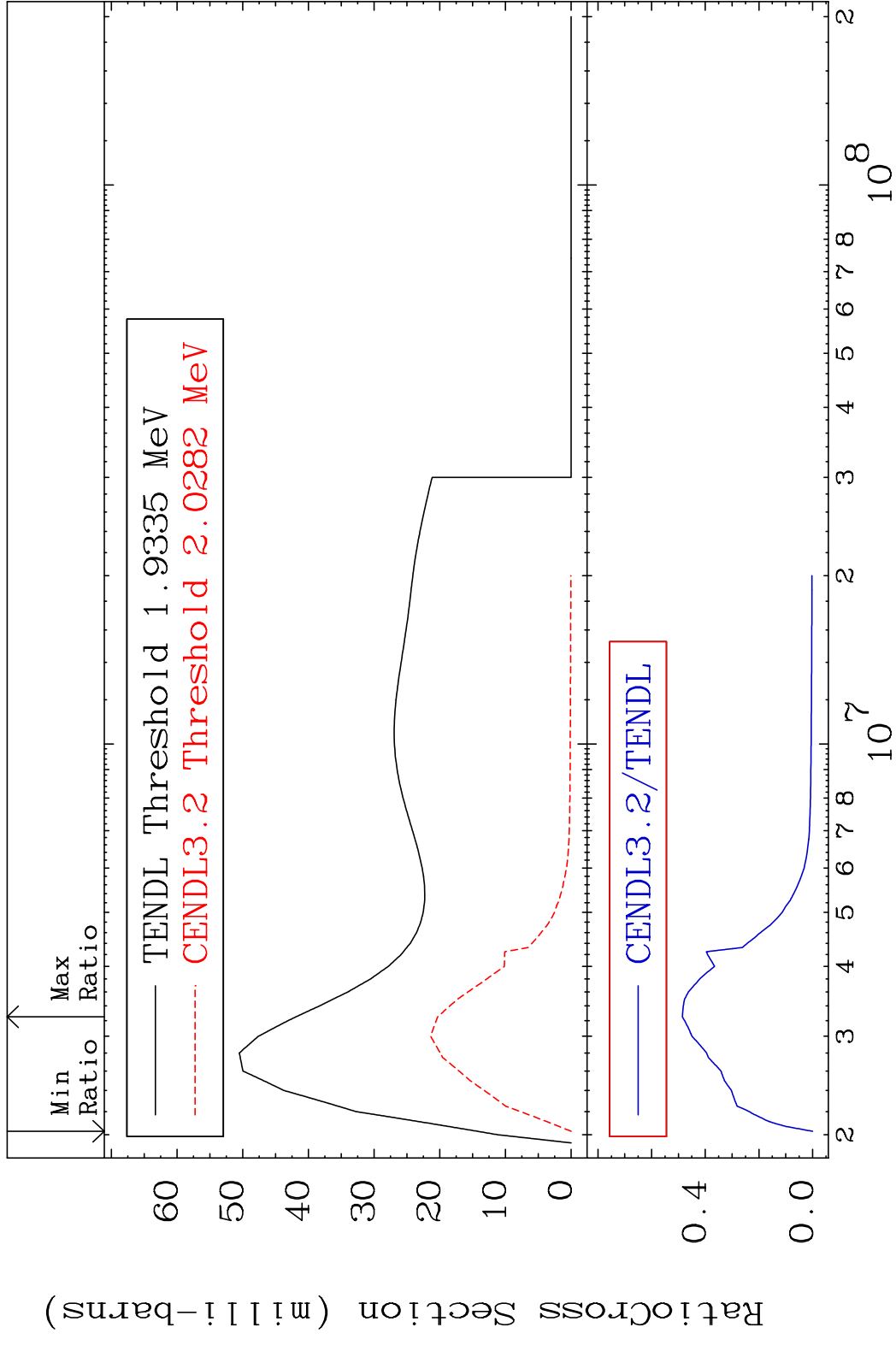
MAT 5625 MT= 61 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 2397. %



MAT 5625 MT= 62 (n, n') Level 56-Ba-130
 Cross Section -100.0 To 10.99 %

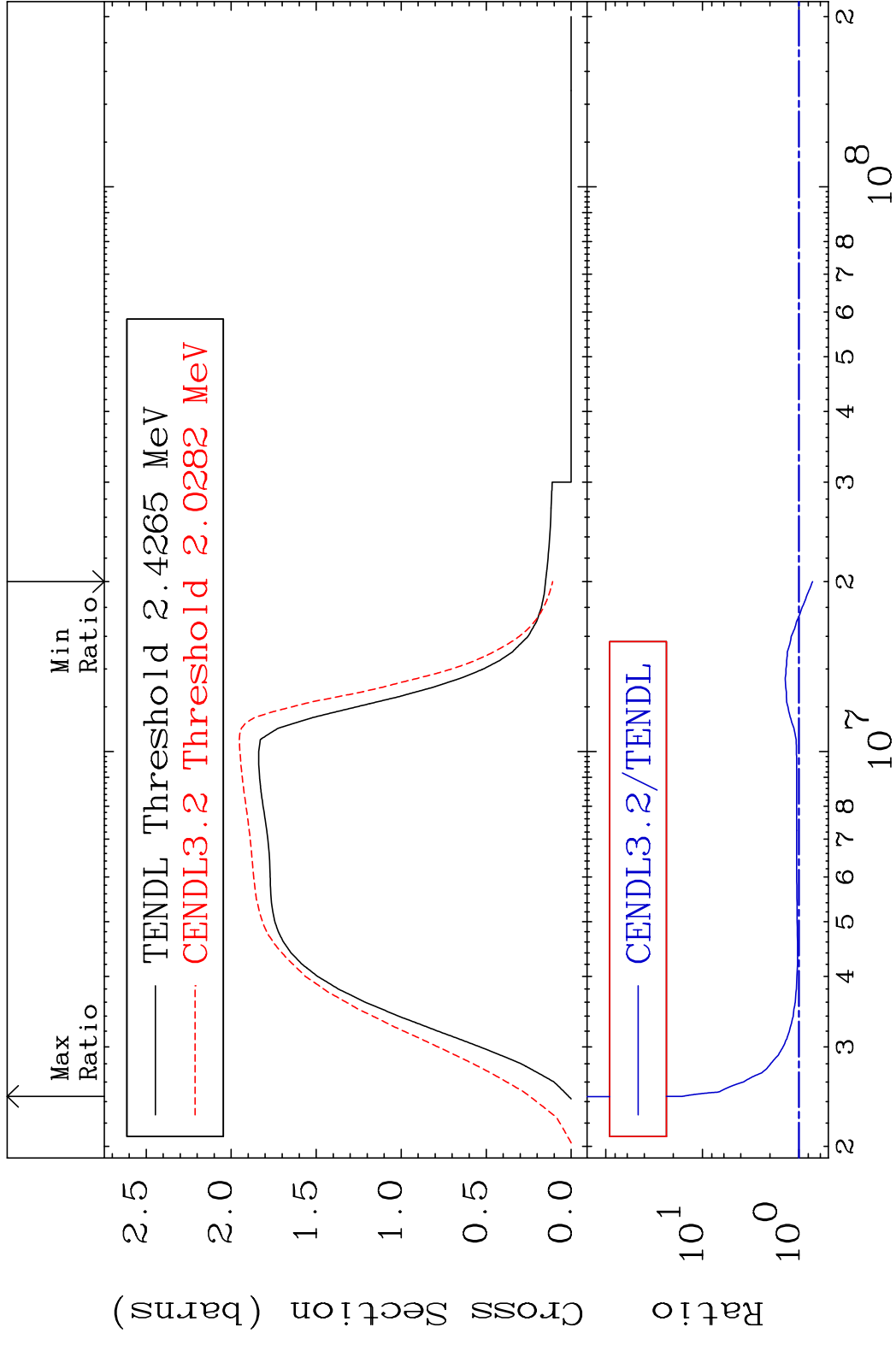


MAT 5625 MT= 63 (n, n') Level 56-Ba-130
 Cross Section -100.0 To -51.46%



20 56-Ba-130

MAT 5625 (n,n') Continuum 56-Ba-130
 Cross Section -27.73 To 1512. %

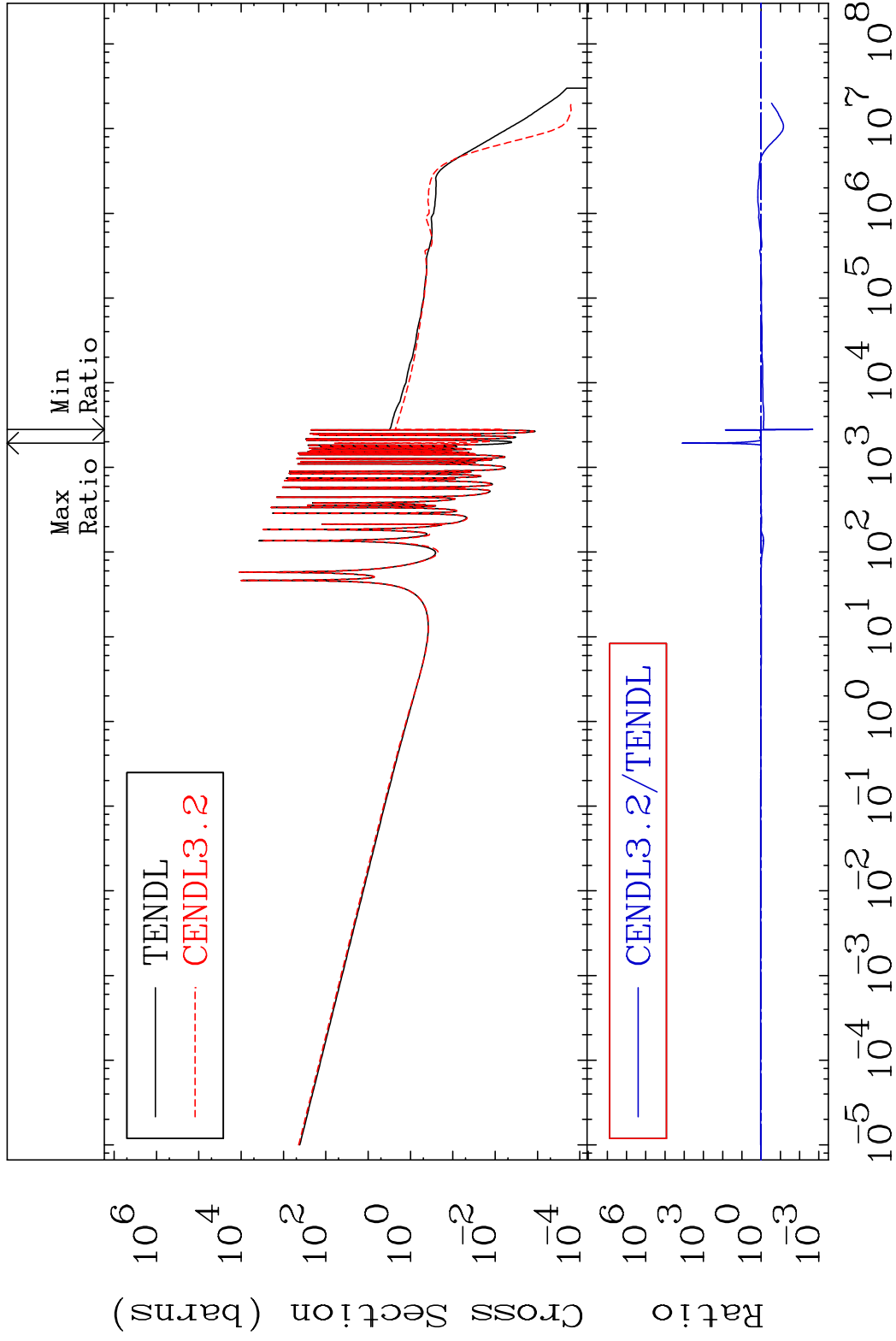


MAT 5625

(n, γ)

56-Ba-130

Cross Section -99.79 To 9999. %



22

Incident Energy (eV)

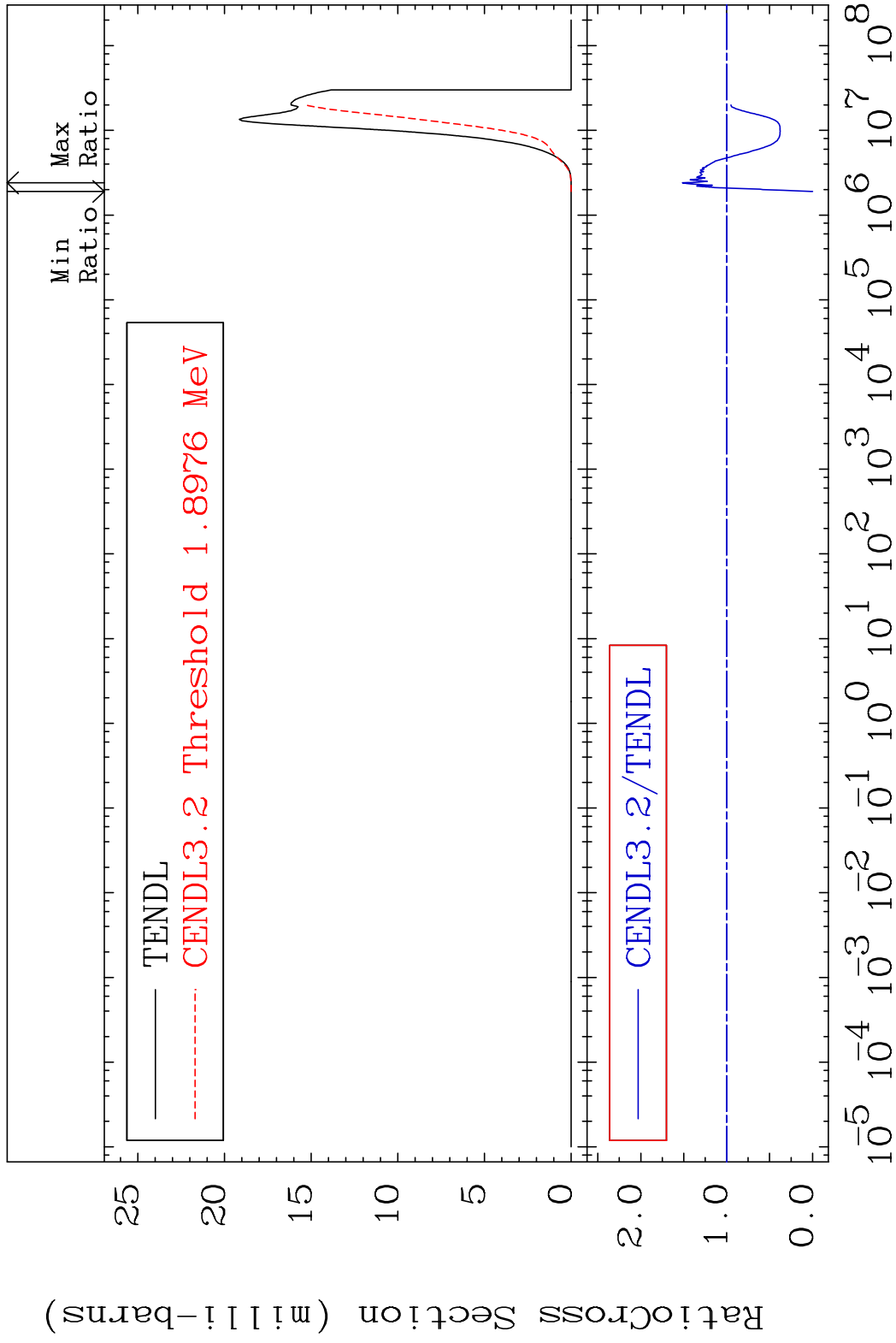
56-Ba-130

MAT 5625

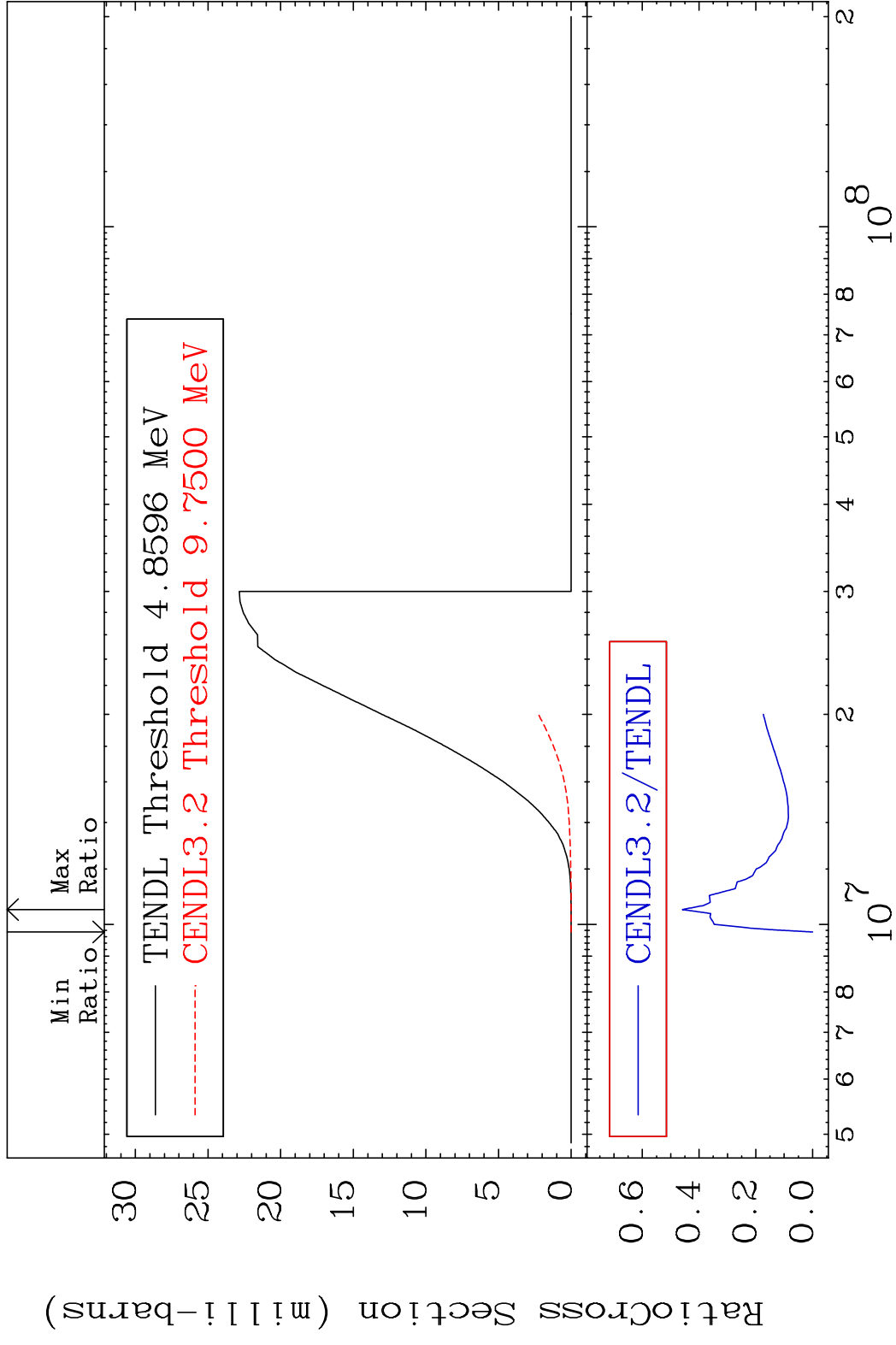
(n, p)

56-Ba-130

Cross Section -100.0 To 51.59 %



MAT 5625 (n,d) 56-Ba-130
 Cross Section -100.0 To -54.11%

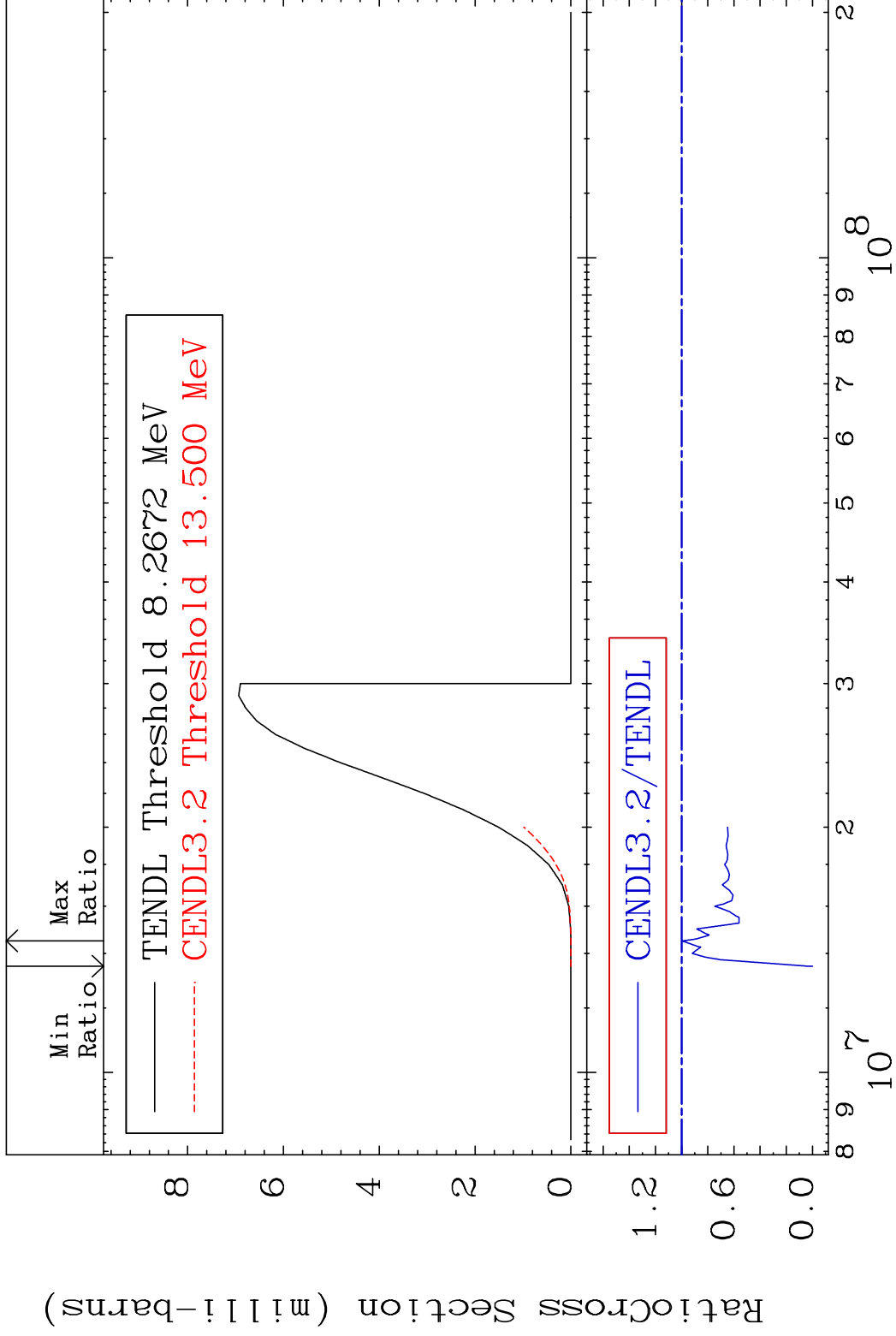


MAT 5625

(n, t)

56-Ba-130

Cross Section -100.0 To -0.405%

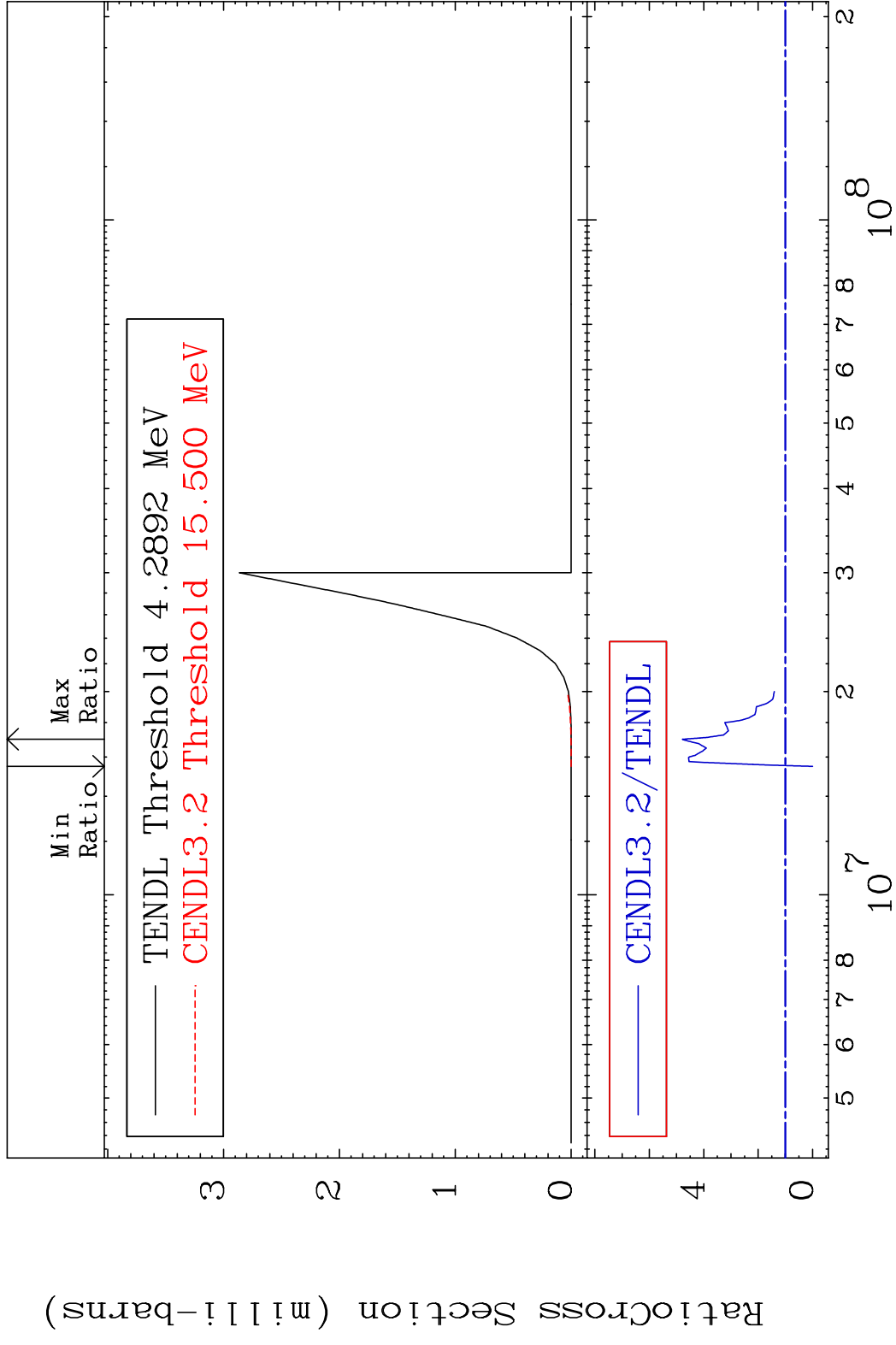


25

Incident Energy (eV)

56-Ba-130

MAT 5625 (n, He-3) 56-Ba-130
 Cross Section -100.0 To 378.6 %

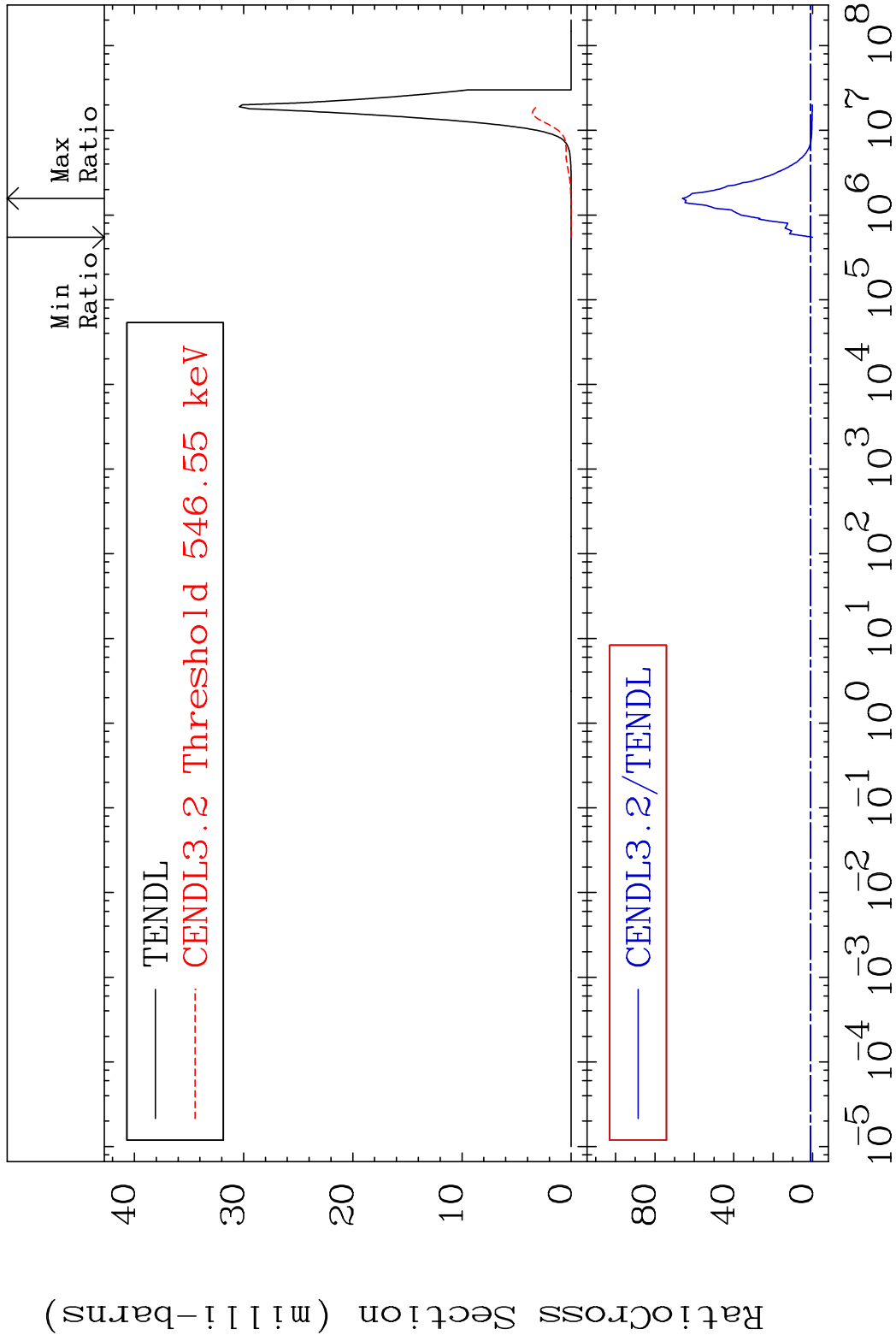


MAT 5625

(n, α)

56-Ba-130

Cross Section -100.0 To 6508. %

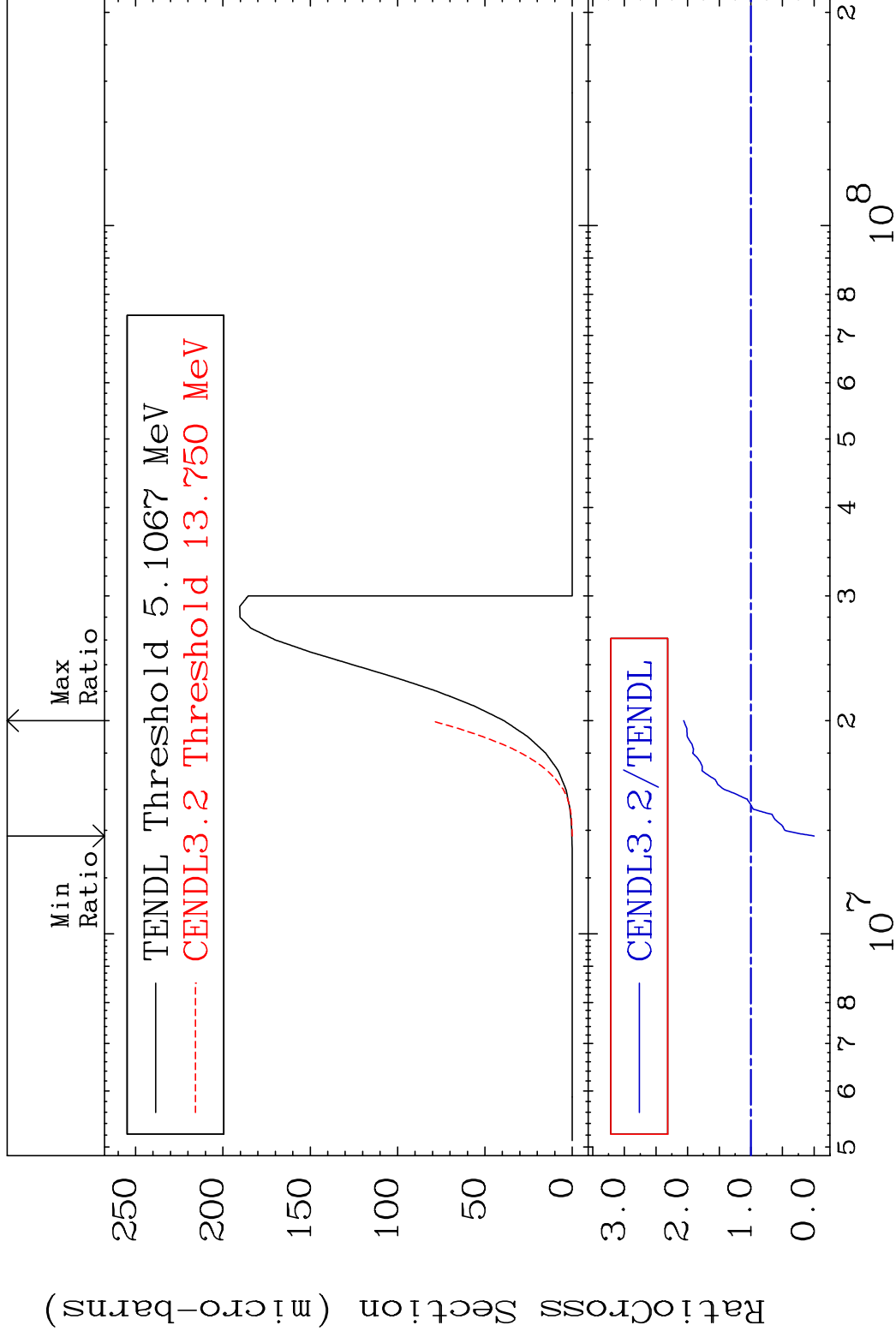


MAT 5625

(n,2p)

56-Ba-130

Cross Section -100.0 To 106.3 %



28

Incident Energy (eV)

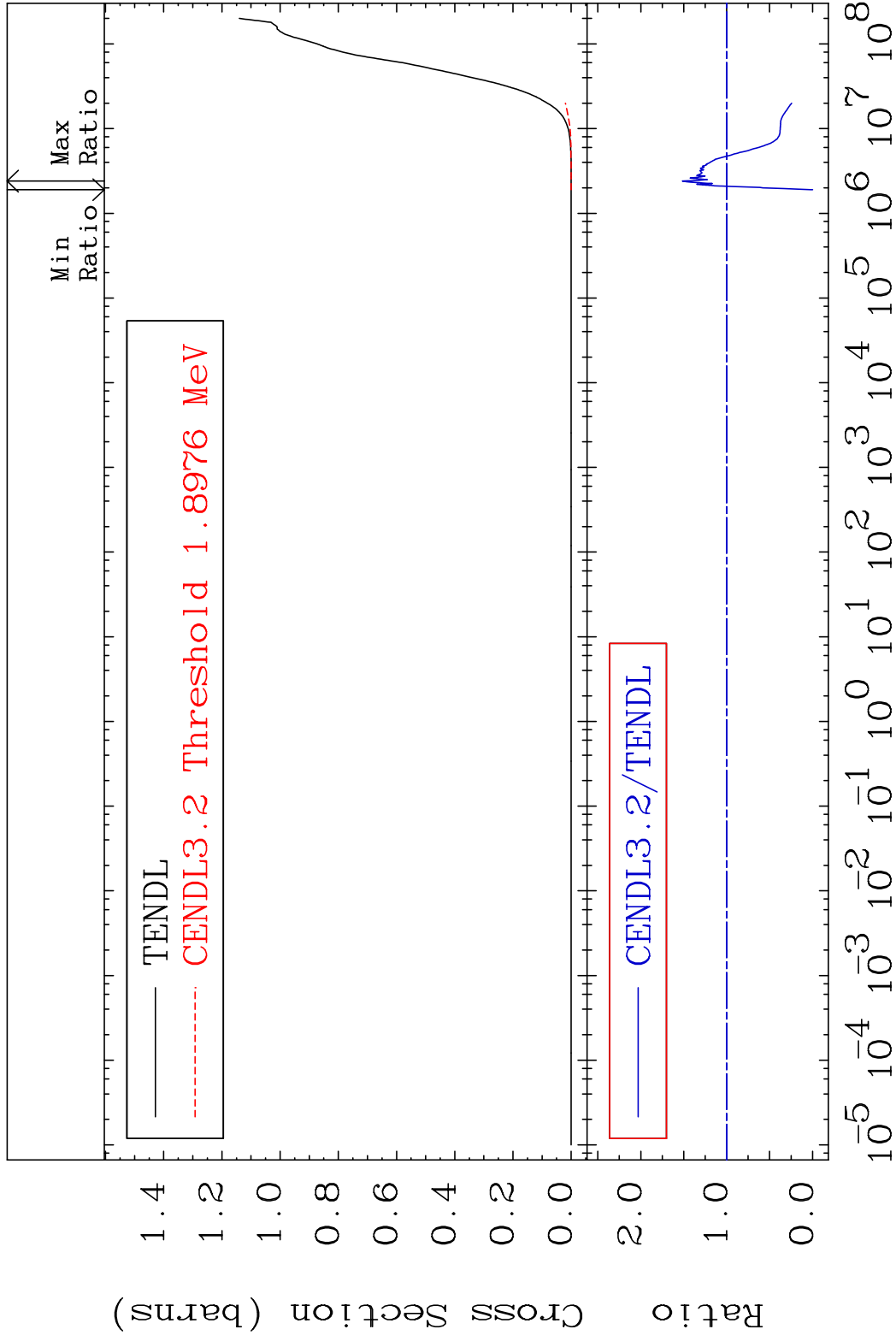
56-Ba-130

MAT 5625

Hydrogen Production

56-Ba-130

Cross Section -100.0 To 51.59 %



29

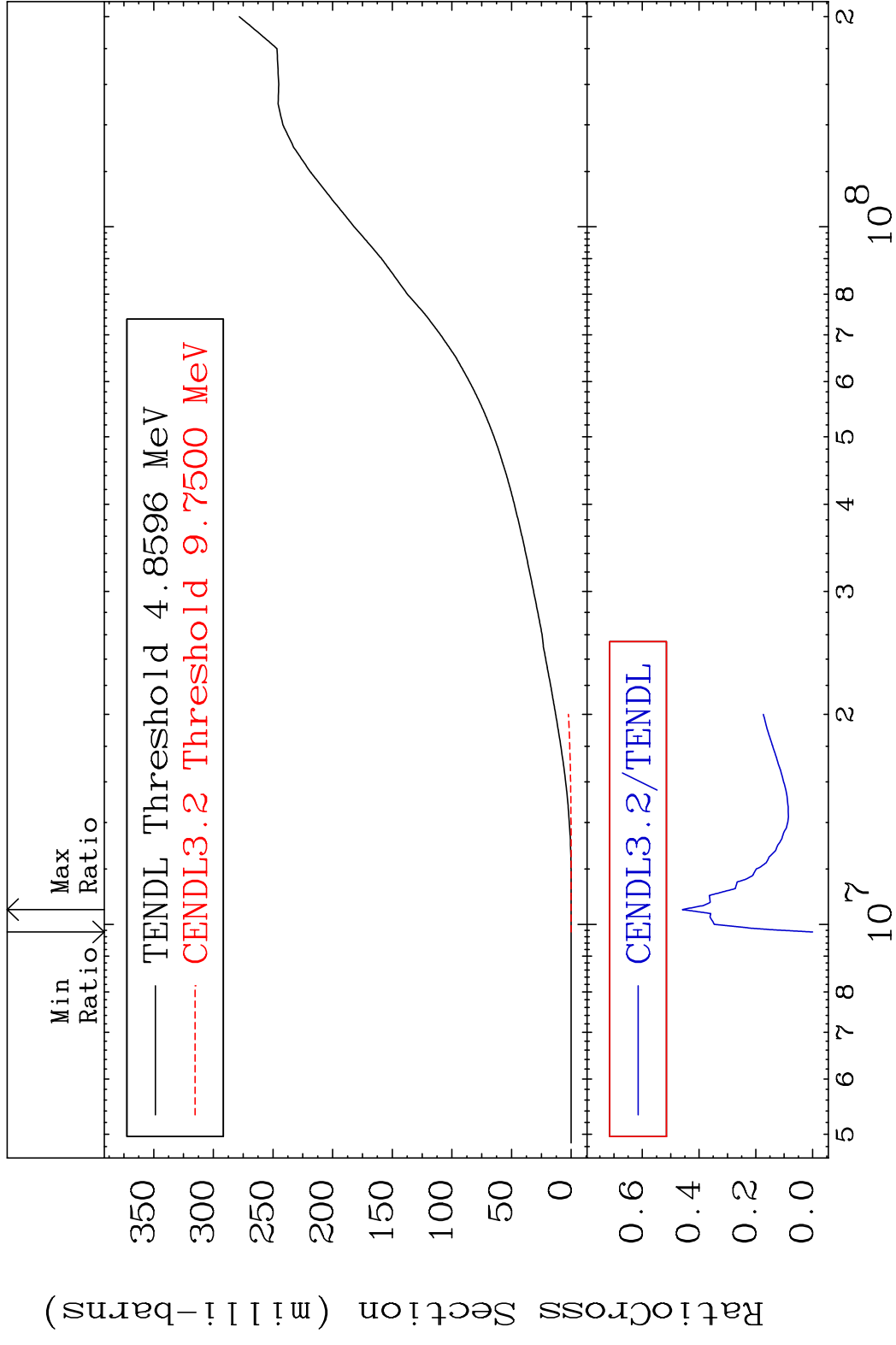
Incident Energy (eV)

56-Ba-130

MAT 5625

Deuterium Production 56-Ba-130

Cross Section -100.0 To -54.11%



30

Incident Energy (eV)

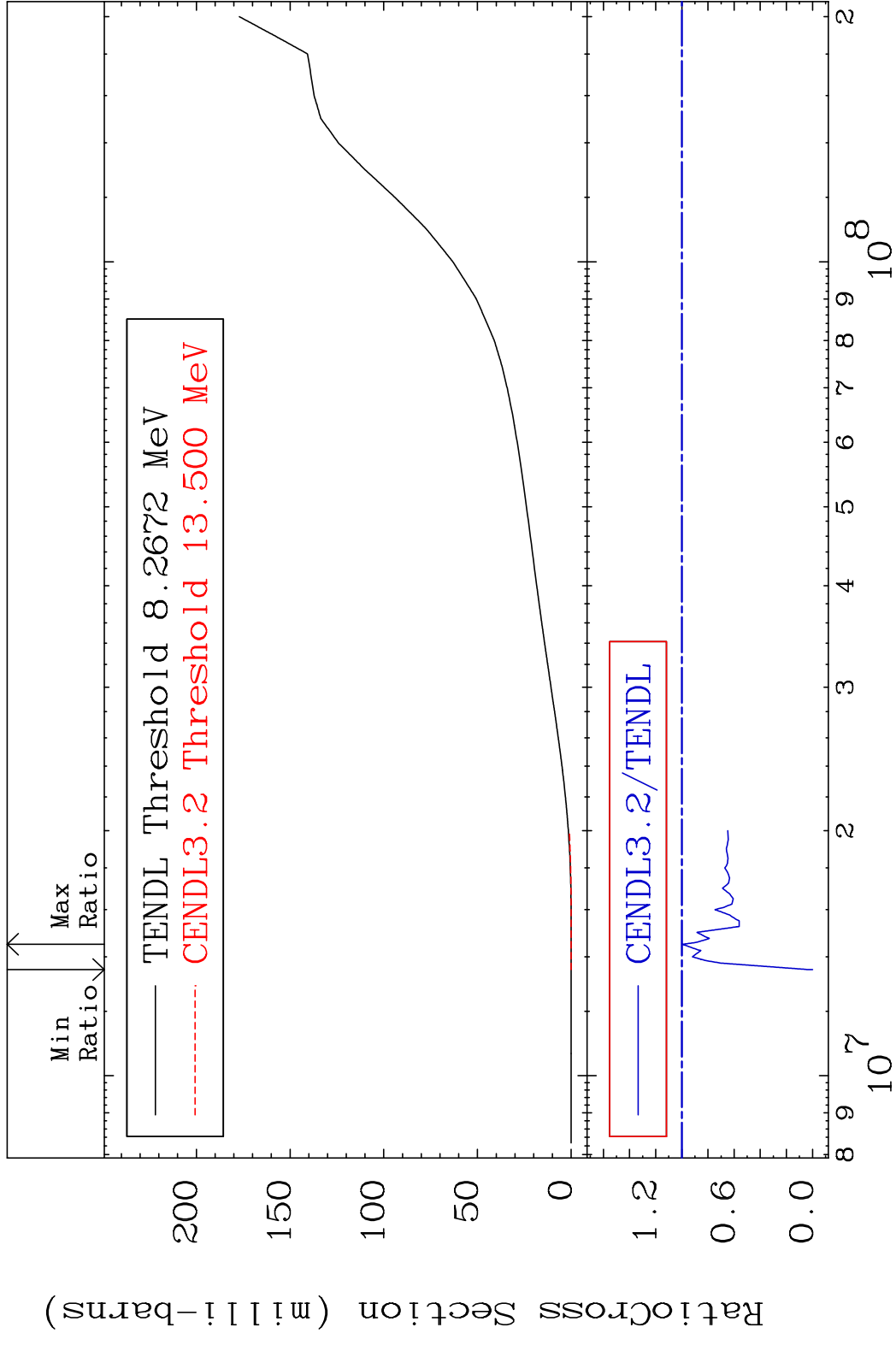
56-Ba-130

MAT 5625

Tritium Production

56-Ba-130

Cross Section -100.0 To -0.405%

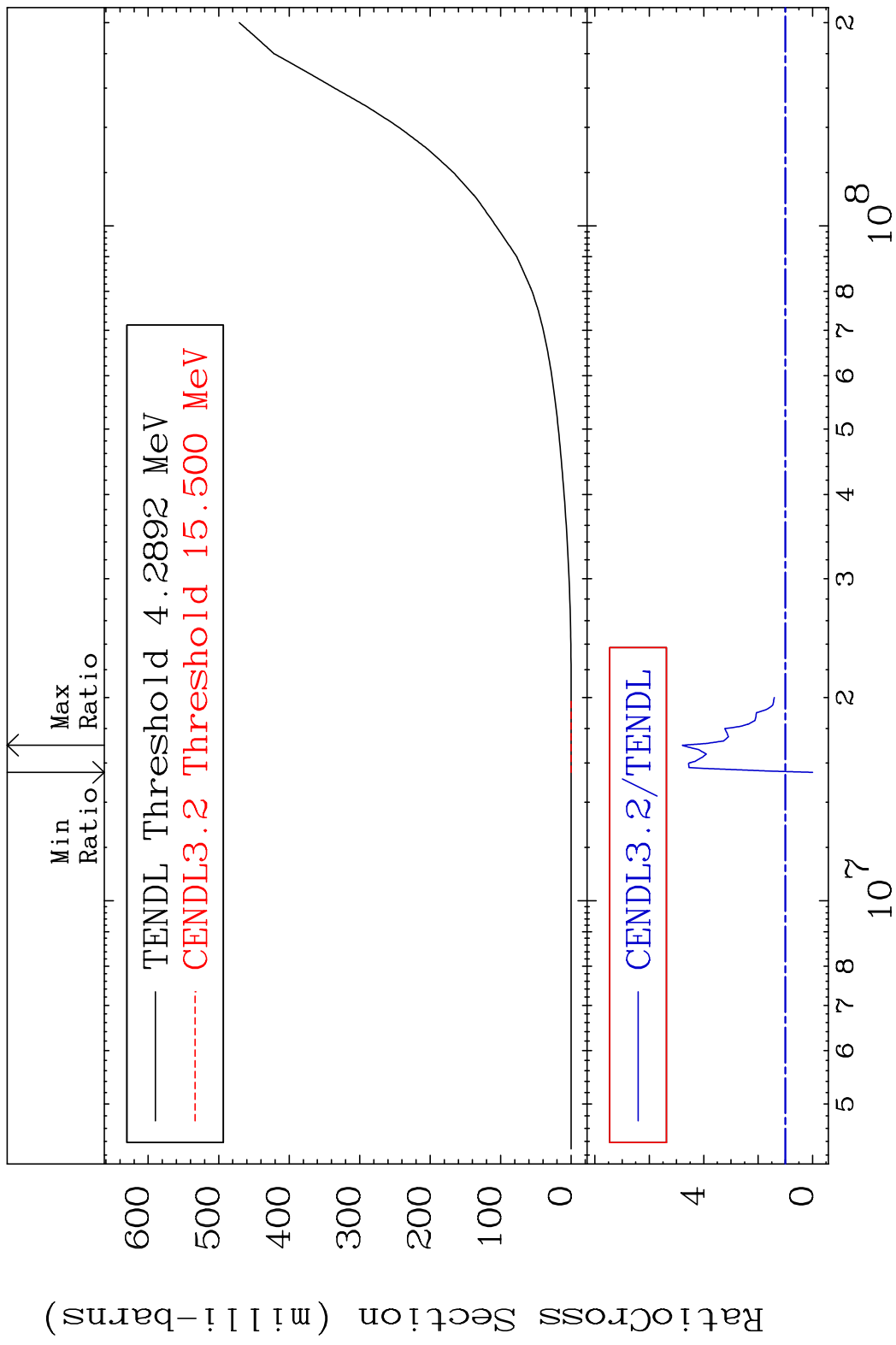


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Incident Energy (eV)

56-Ba-130

MAT 5625 He-3 Production 56-Ba-130
 Cross Section -100.0 To 378.6 %

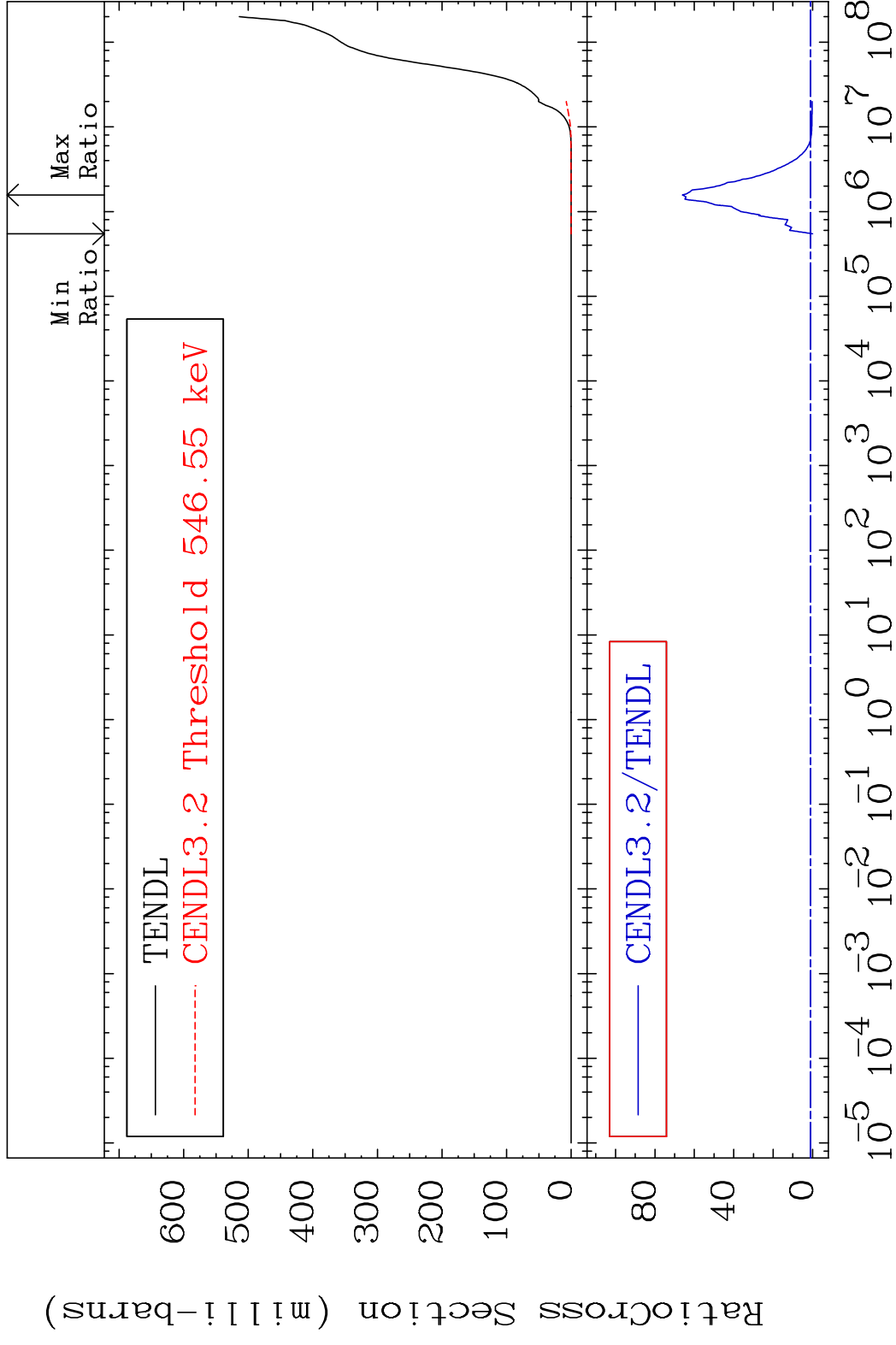


MAT 5625

He-4 Production

56-Ba-130

Cross Section -100.0 To 6508. %

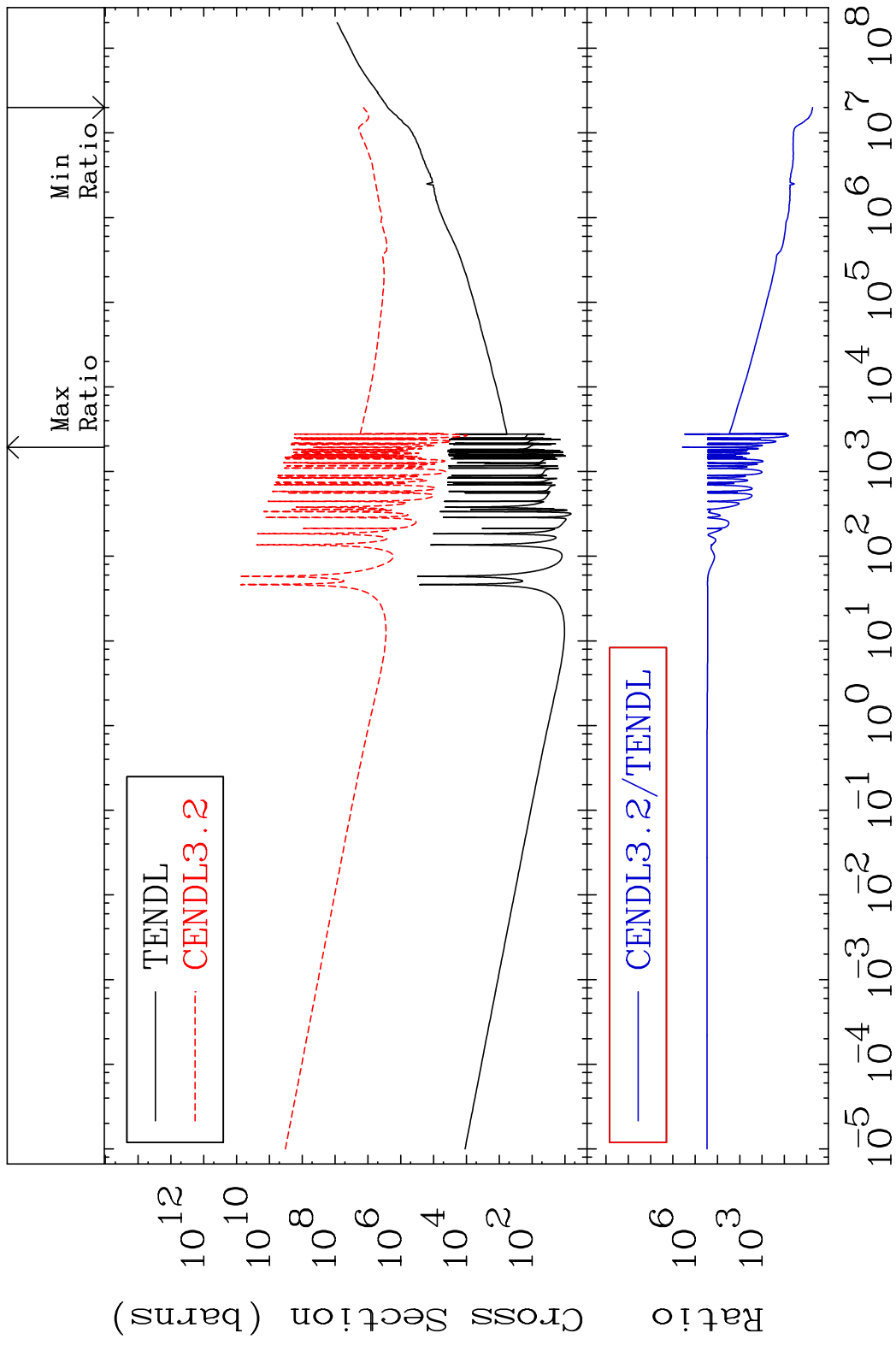


33

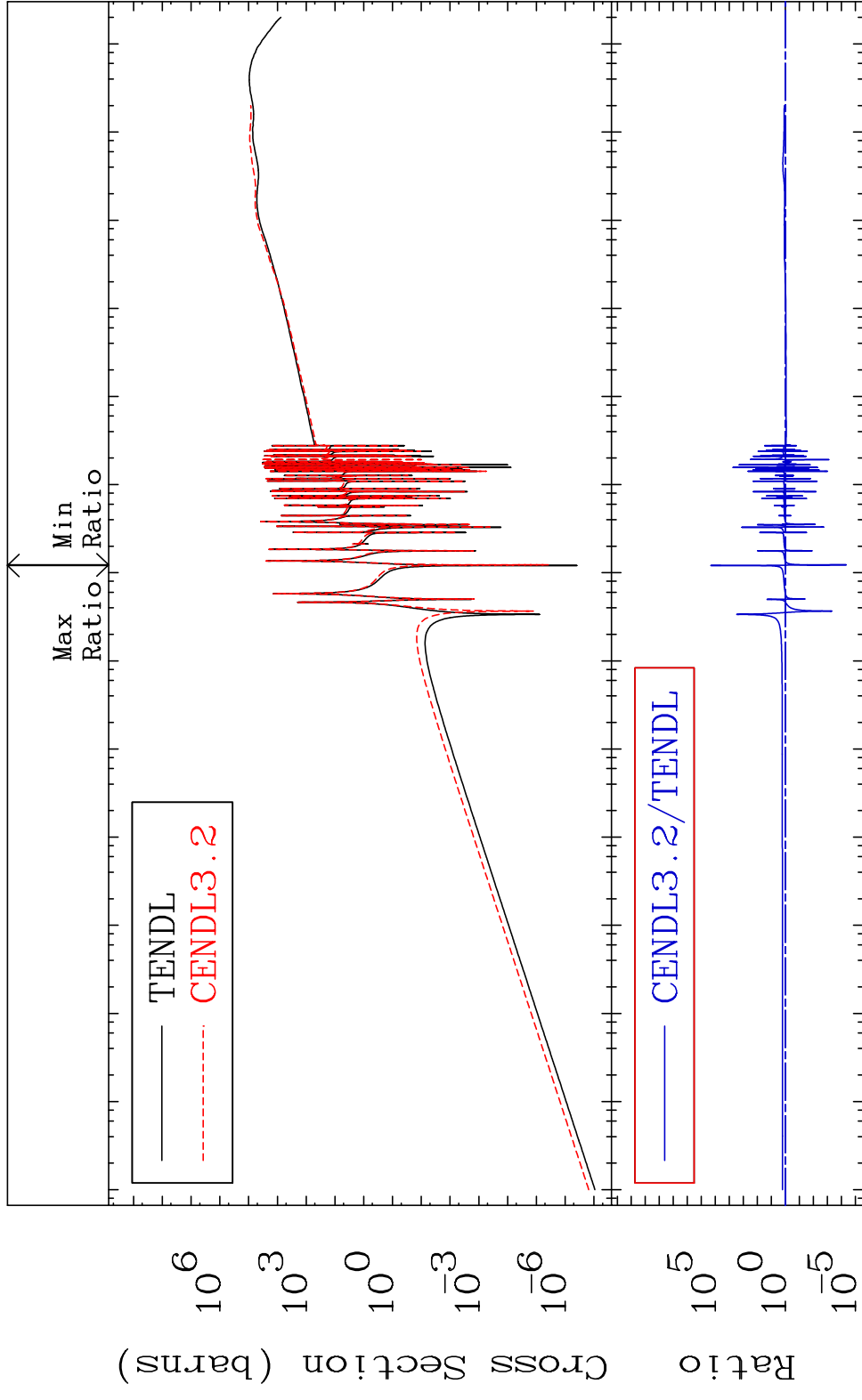
Incident Energy (eV)

56-Ba-130

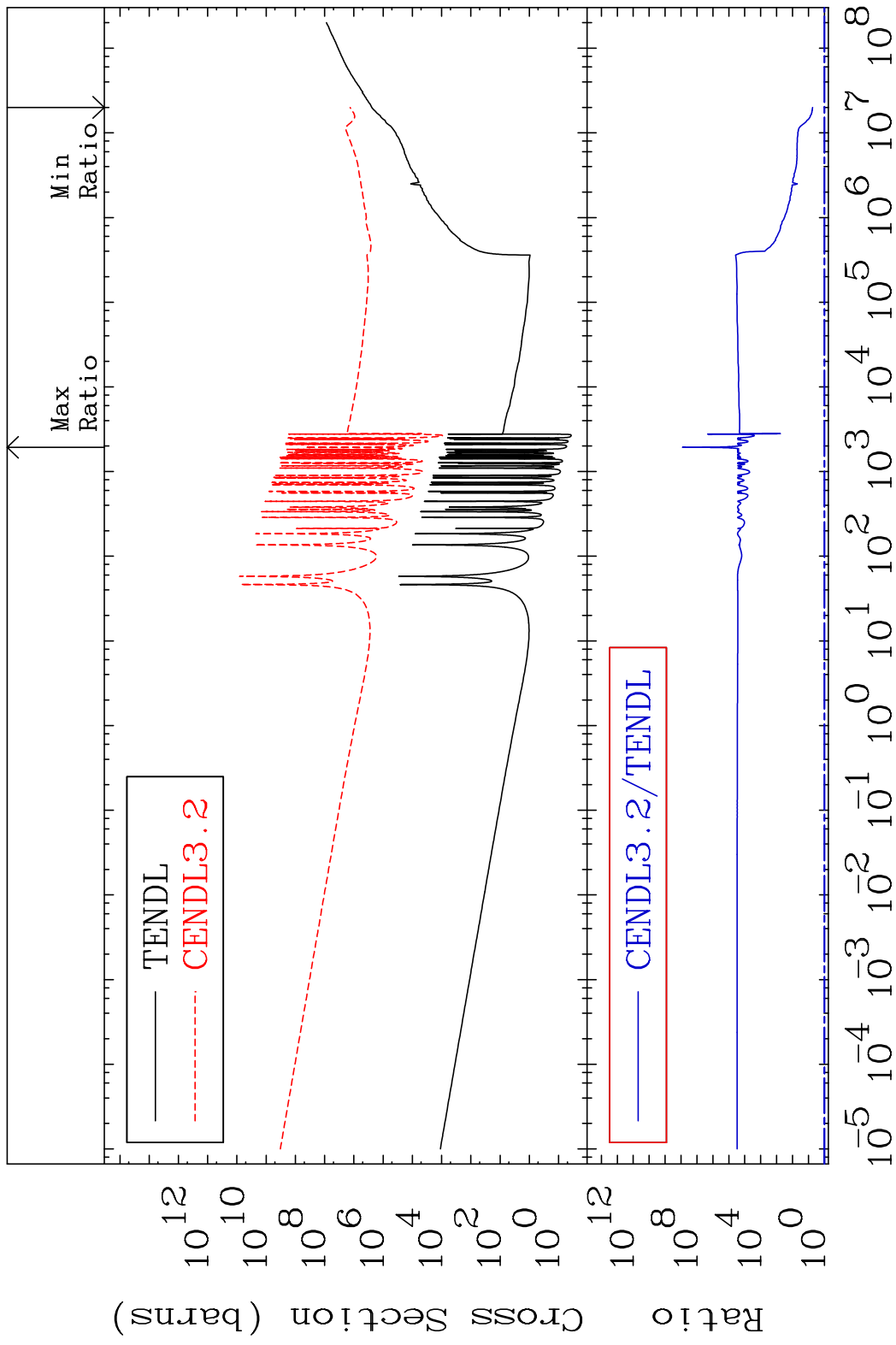
MAT 5625 Kerma total (eV-barns) 56-Ba-130
 Cross Section 442.6 To 9999. %



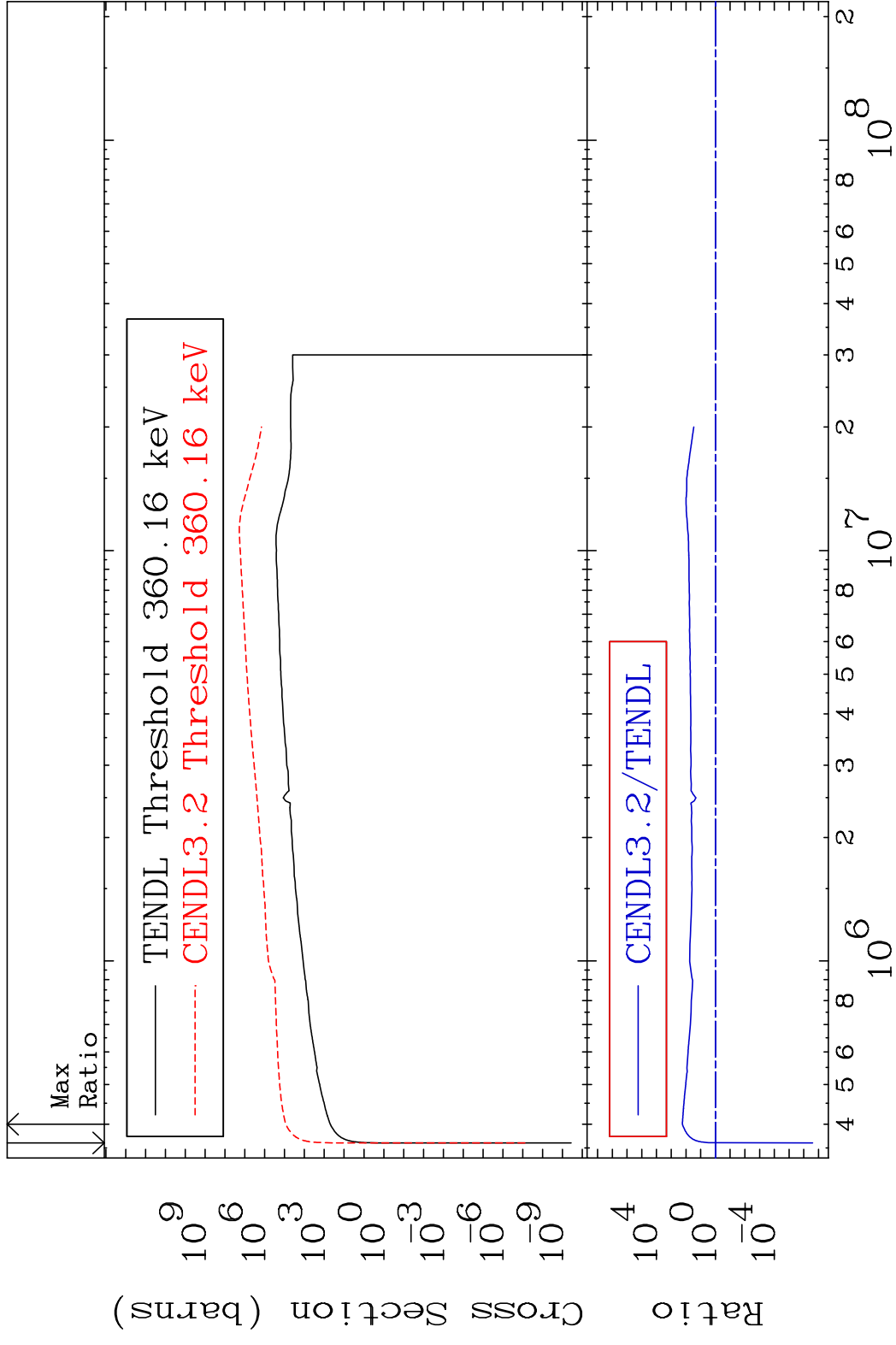
MAT 5625 Kerma elastic 56-Ba-130
 Cross Section -100.0 To 9999. %



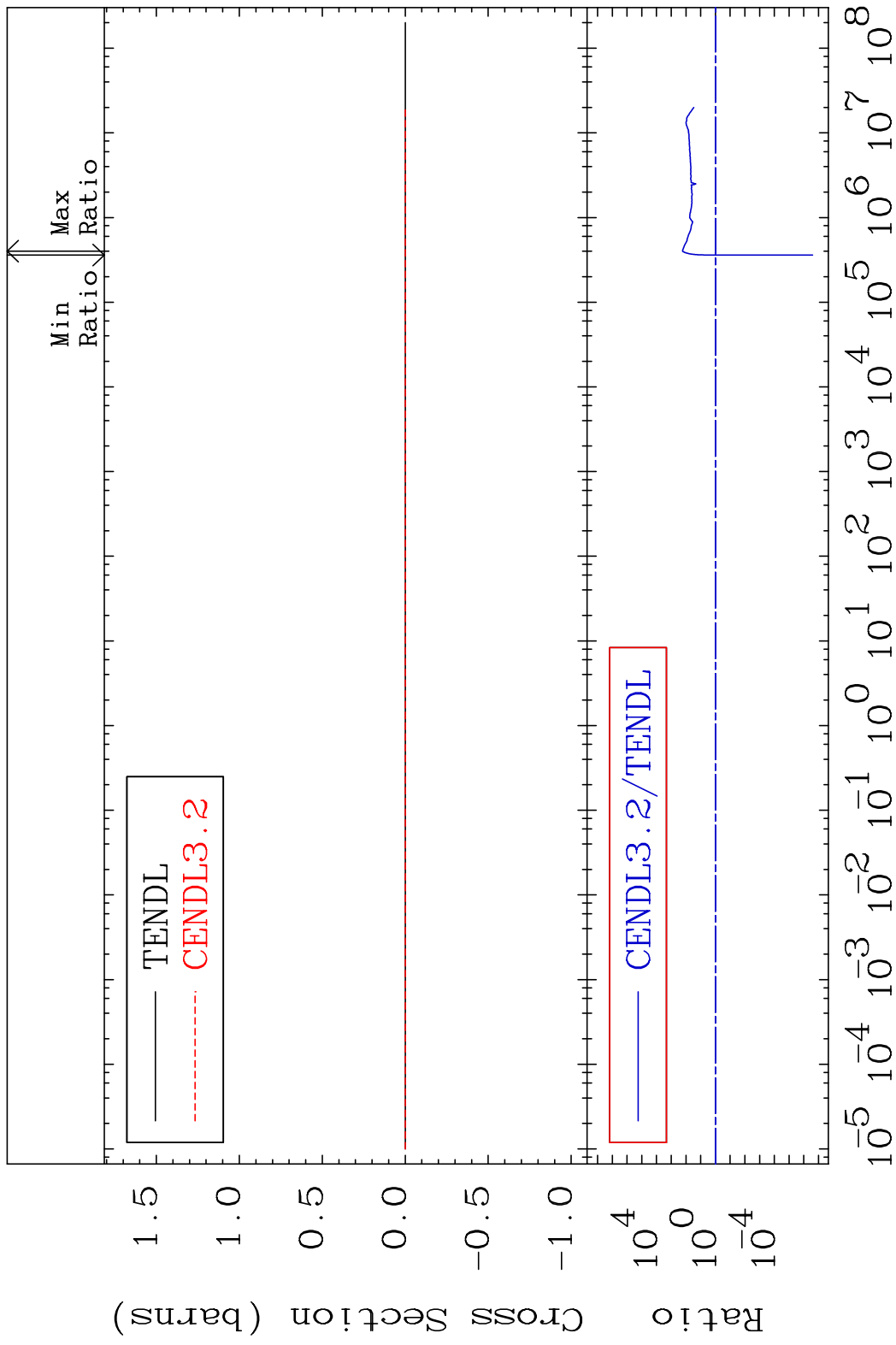
MAT 5625 Kerma non-elastic (all but mt2) 56-Ba-130
 Cross Section 455.1 To 9999. %



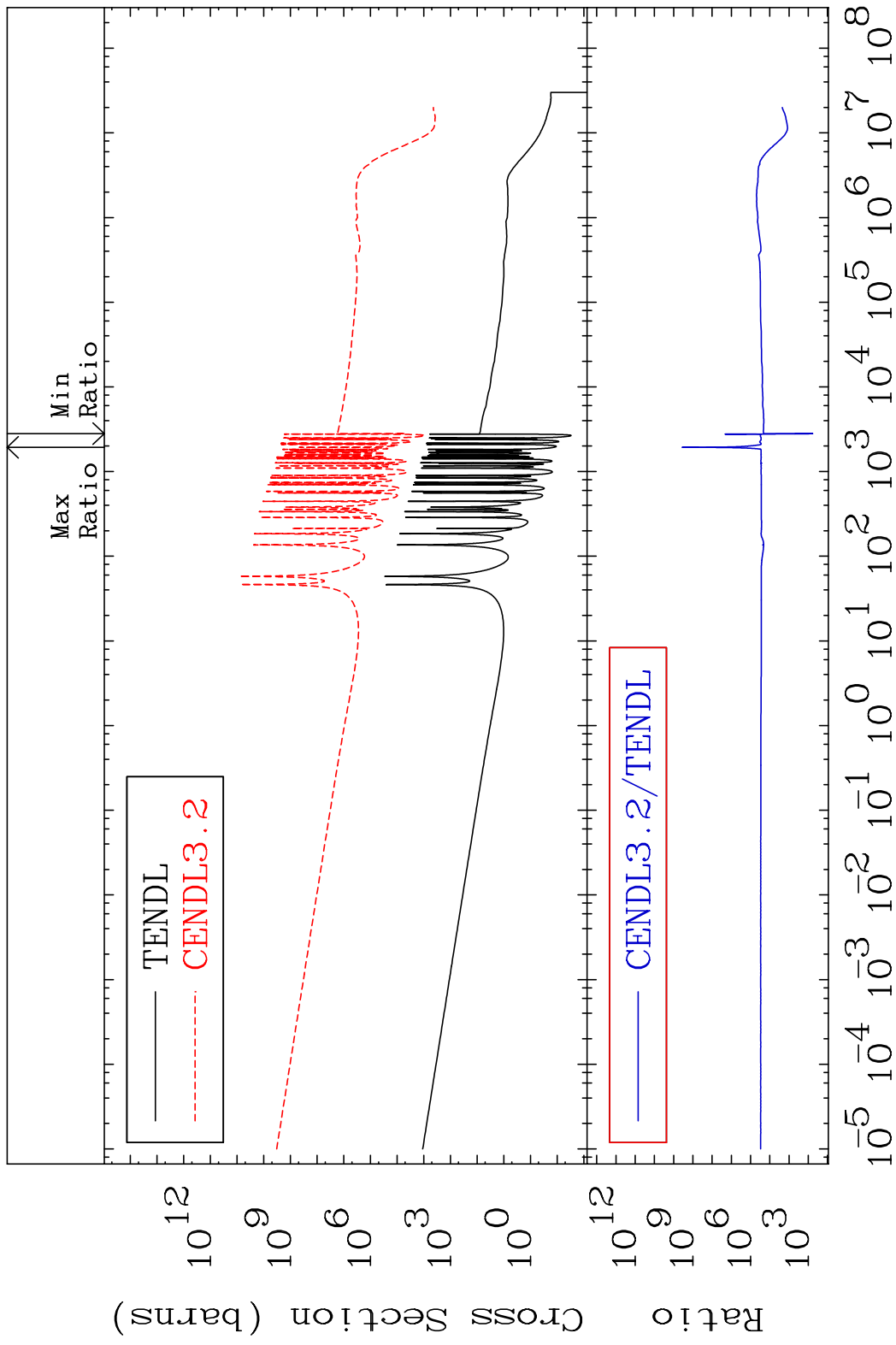
MAT 5625 Kerma inelastic (mt51-91) 56-Ba-130
 Cross Section -100.0 To 9999. %



MAT 5625 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-130
 Cross Section -100.0 To 9999. %

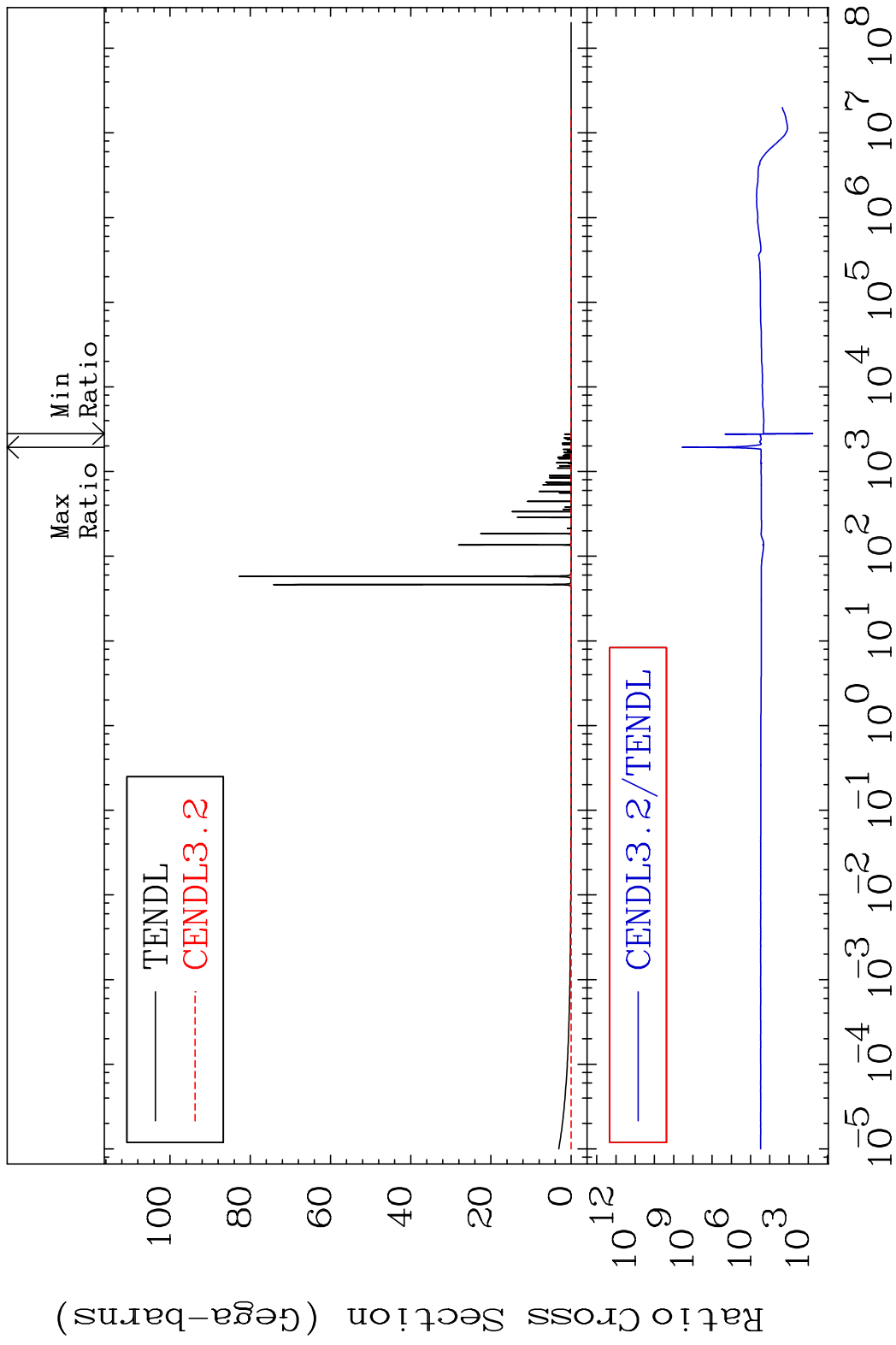


MAT 5625 Kerma capture (mt102) 56-Ba-130
 Cross Section 9999. To 9999. %



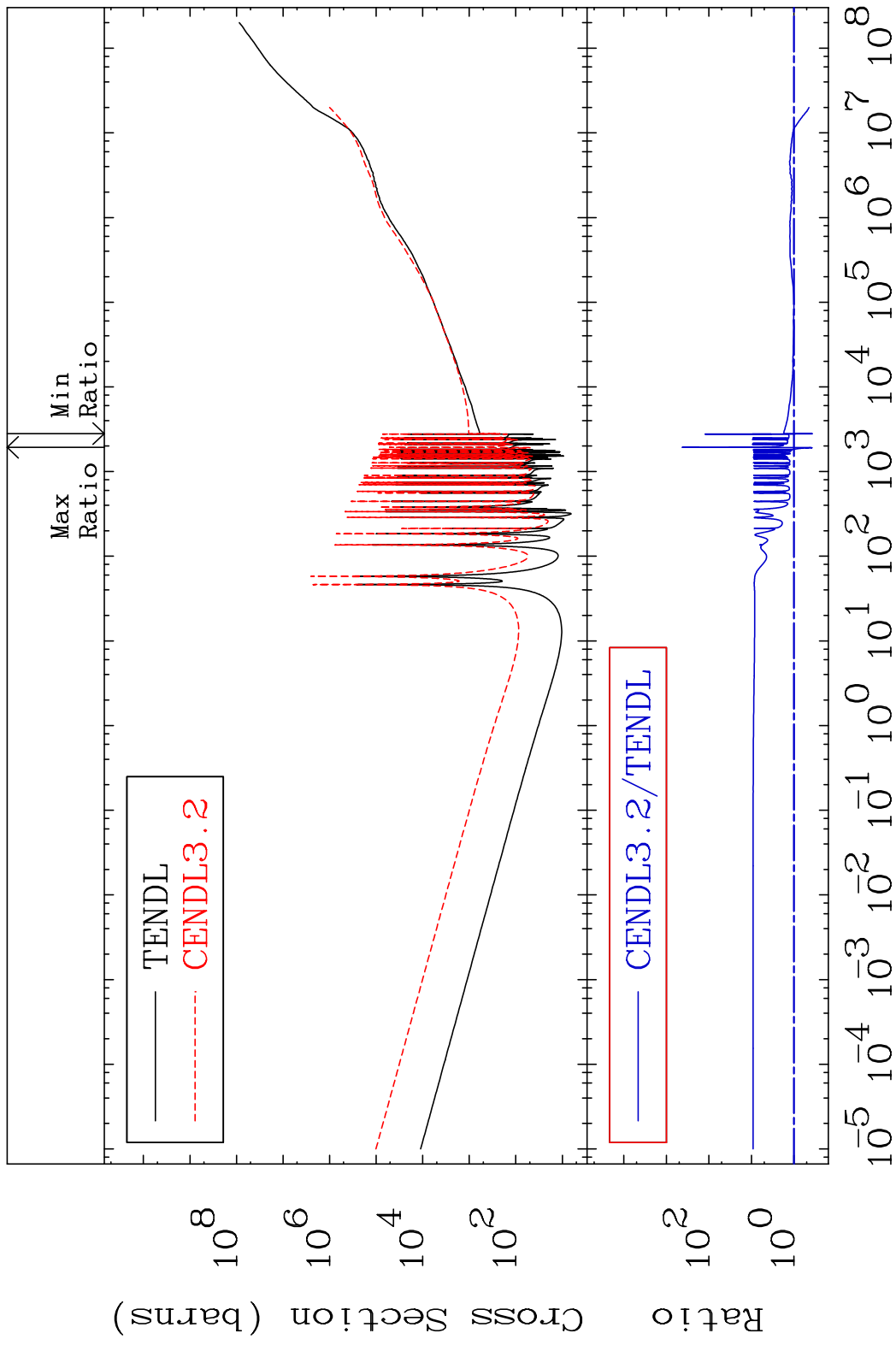
39 Incident Energy (eV) 56-Ba-130

MAT 5625 Total photon (eV-barns) 56-Ba-130
Cross Section 9999. To 9999. %

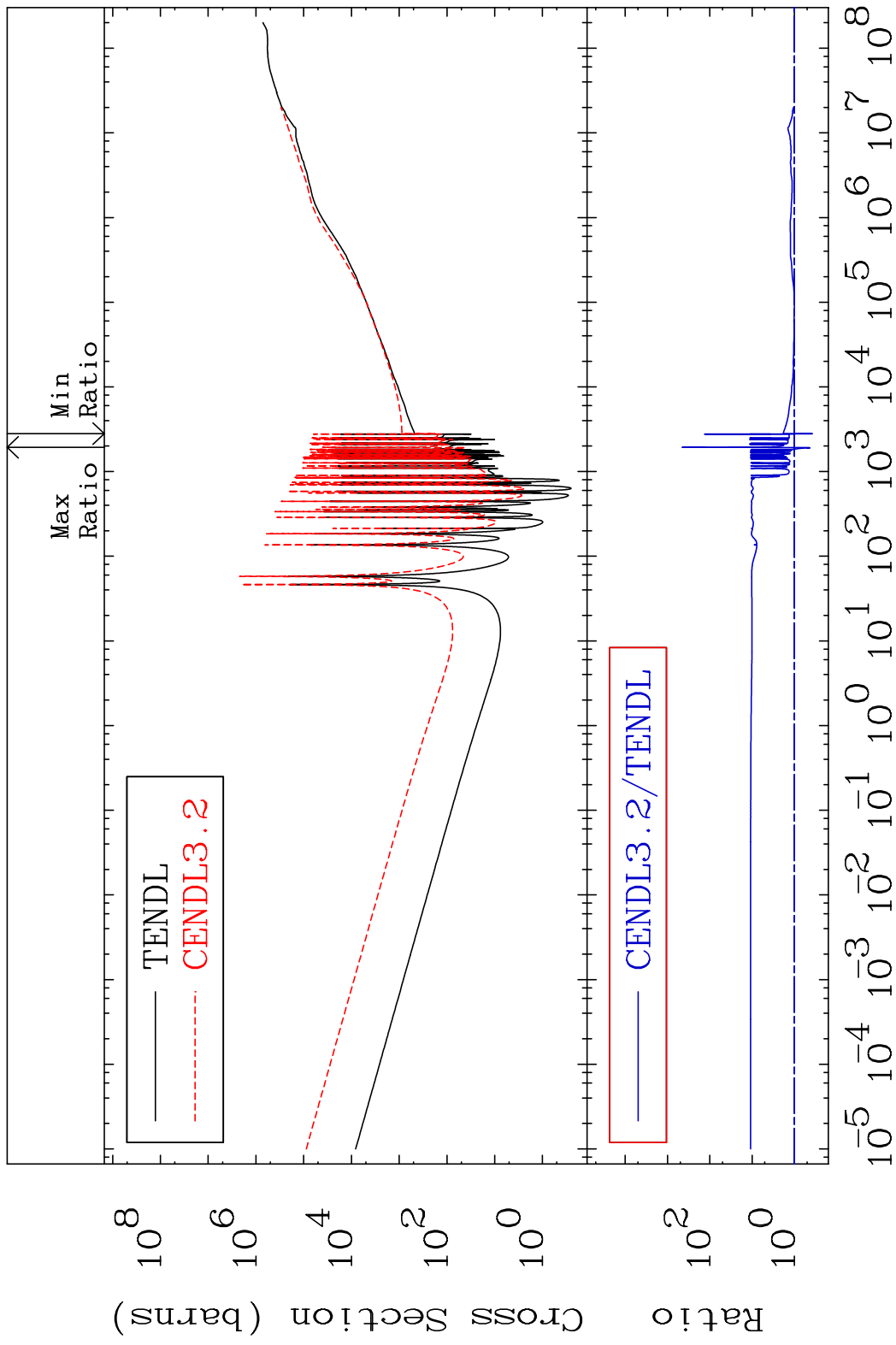


40 Incident Energy (eV) 56-Ba-130

MAT 5625 Total kinematic kerma (high limit) 56-Ba-130
 Cross Section -63.52 To 9999. %



MAT 5625 Dpa total (eV-barns) 56-Ba-130
 Cross Section -62.85 To 9999. %



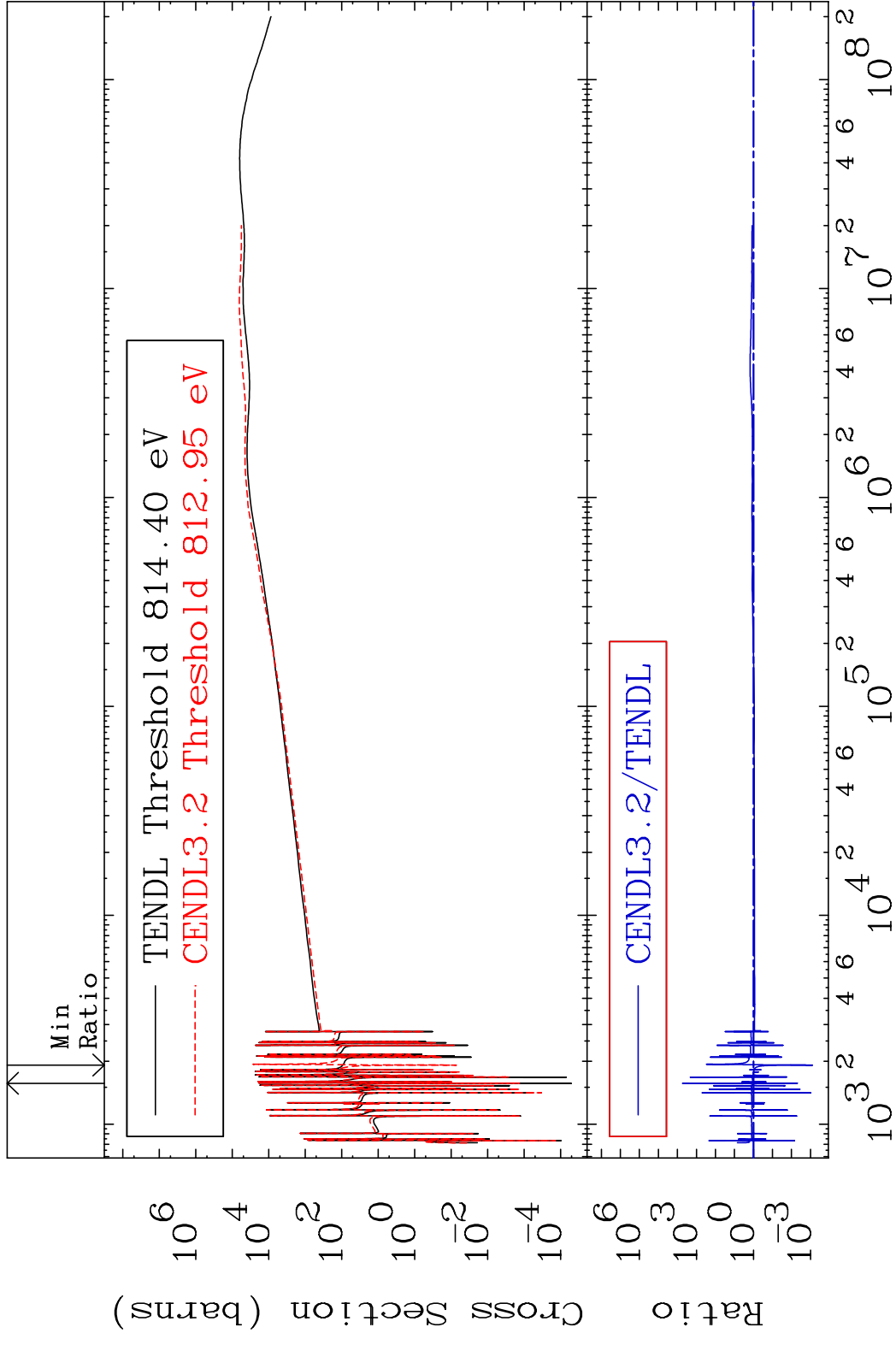
MAT 5625

Dpa elastic (mt2)

56-Ba-130

Cross Section

-99.92 To 9999. %

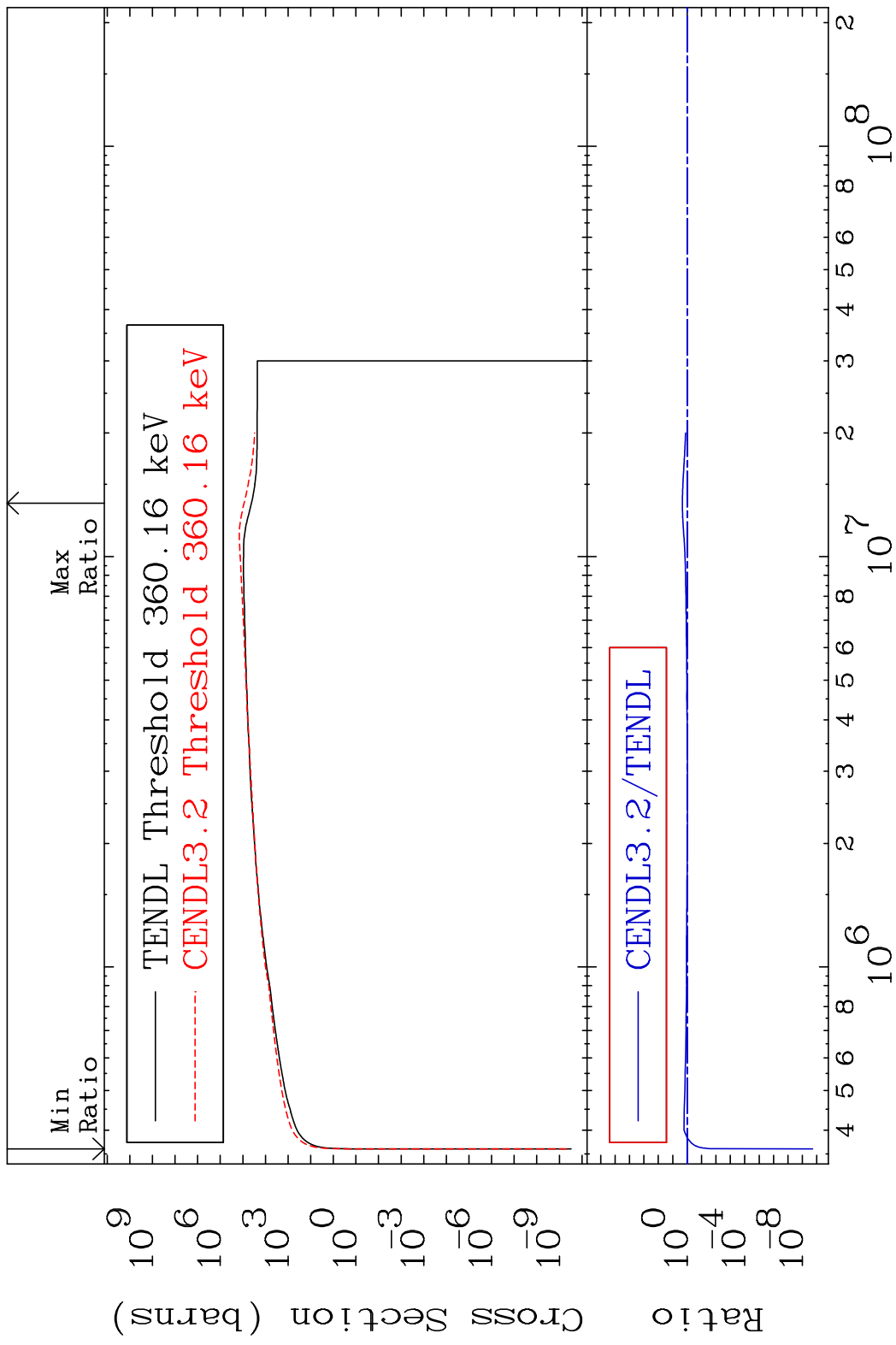


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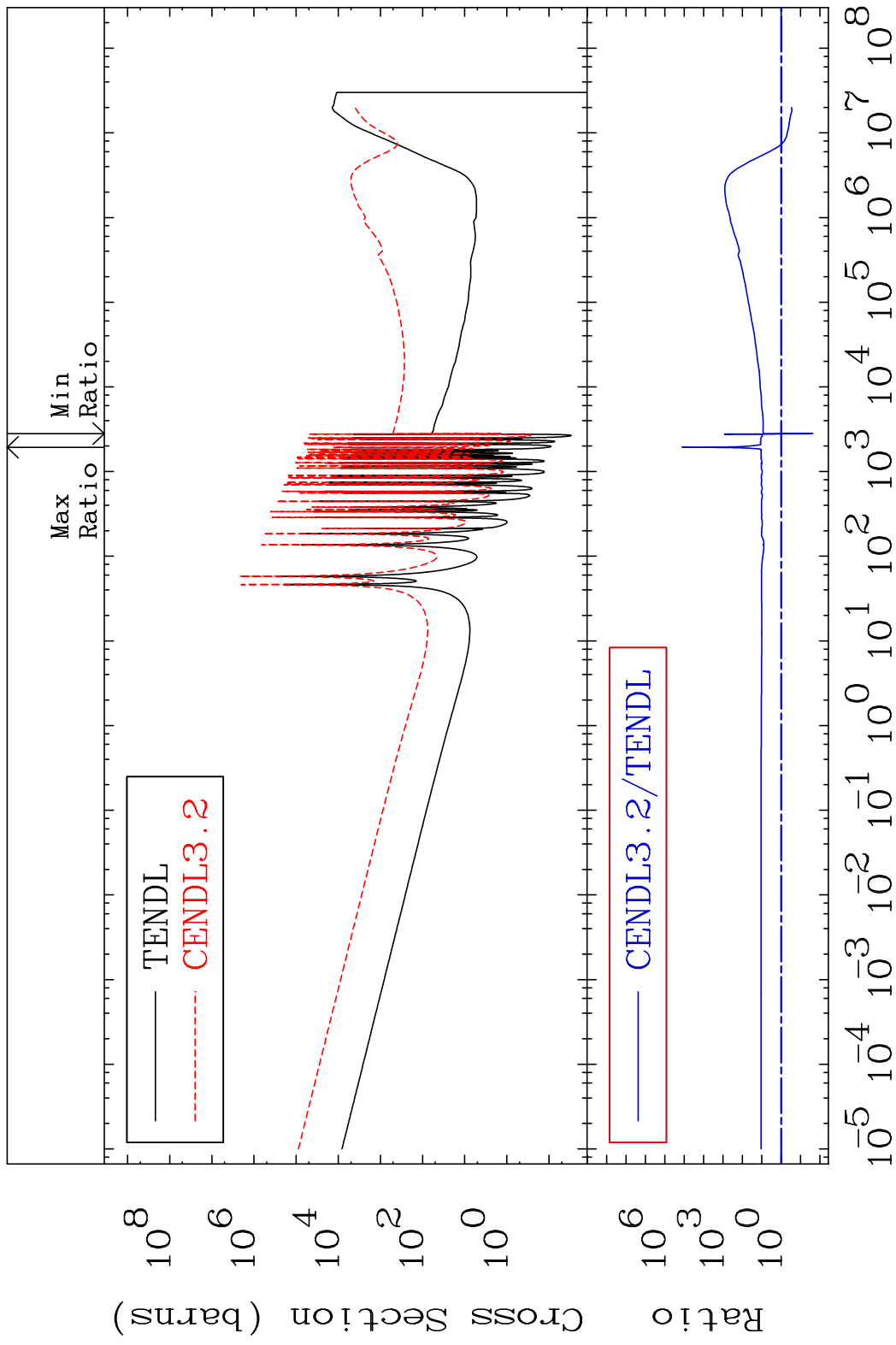
Incident Energy (eV)

56-Ba-130

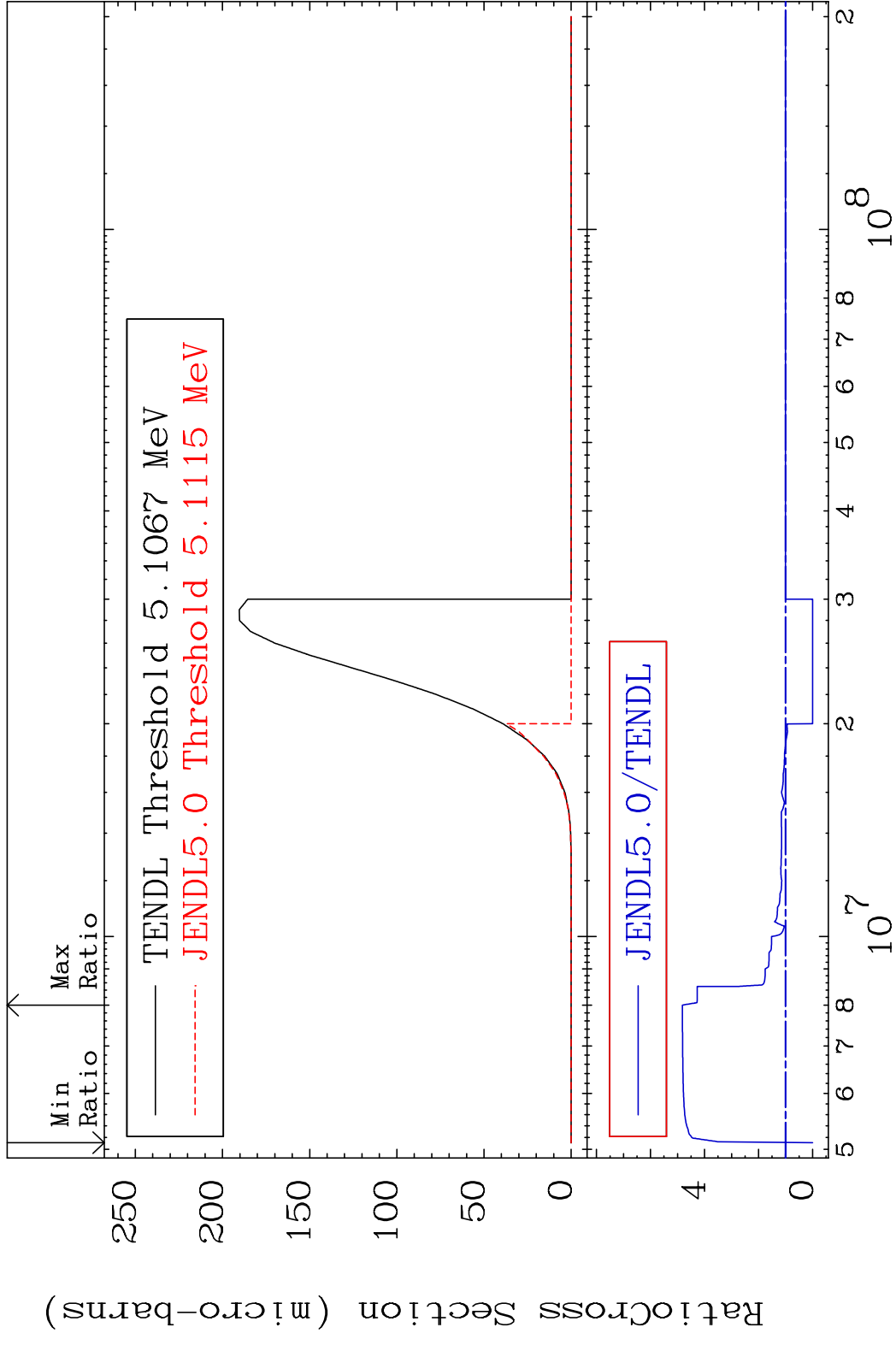
MAT 5625 Dpa inelastic (mt51-91) 56-Ba-130
 Cross Section -100.0 To 113.7 %



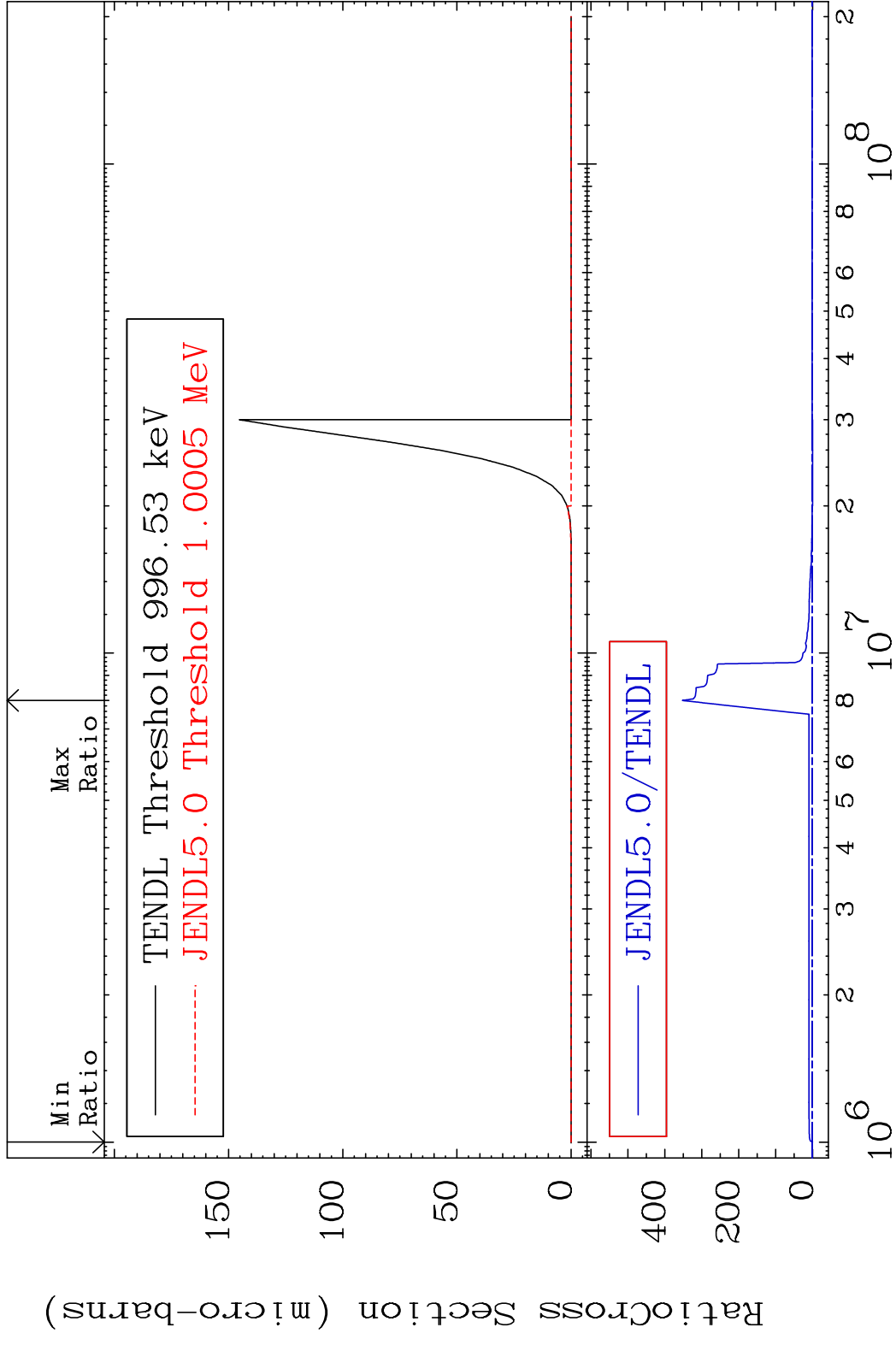
MAT 5625 Dpa disappearance (mt102 -120) 56-Ba-130
 Cross Section -97.61 To 9999. %



MAT 5625 (n,2p) 56-Ba-130
 Cross Section -100.0 To 382.1 %

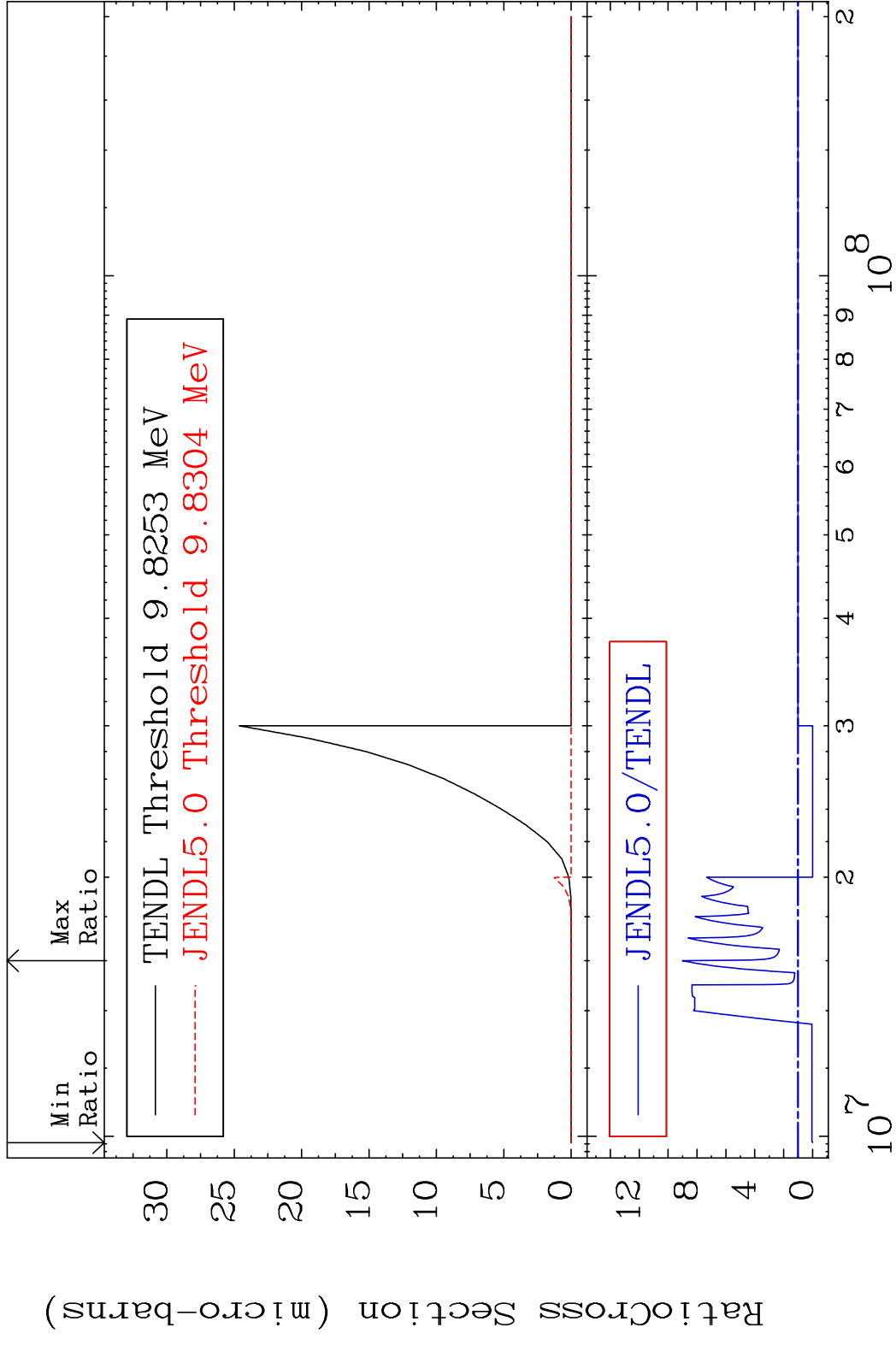


MAT 5625 (n,p) α 56-Ba-130
 Cross Section -100.0 To 9999. %



47 56-Ba-130

MAT 5625 (n,p) d 56-Ba-130
 Cross Section -100.0 To 801.5 %



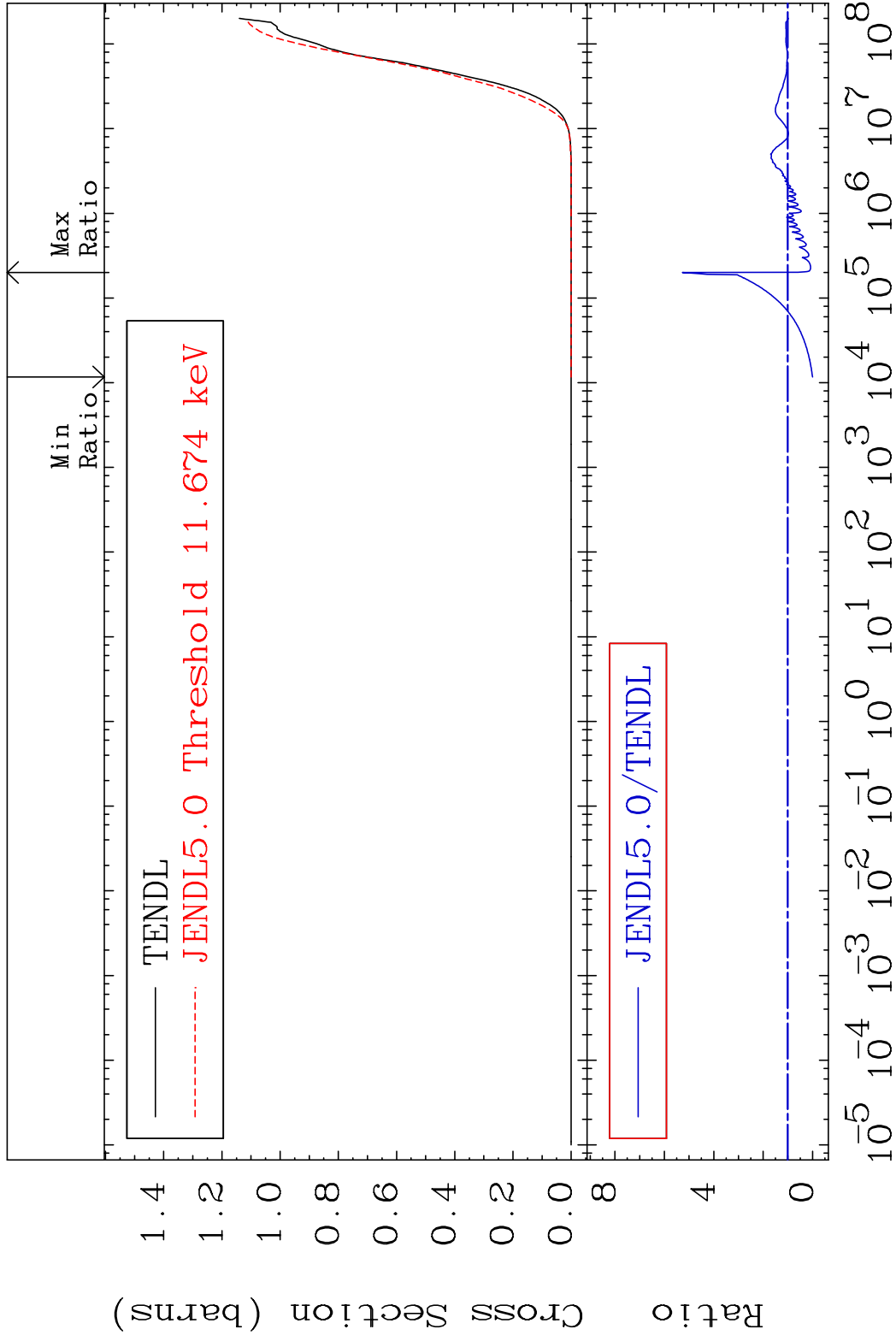
48 56-Ba-130

MAT 5625

Hydrogen Production

56-Ba-130

Cross Section -100.0 To 427.1 %

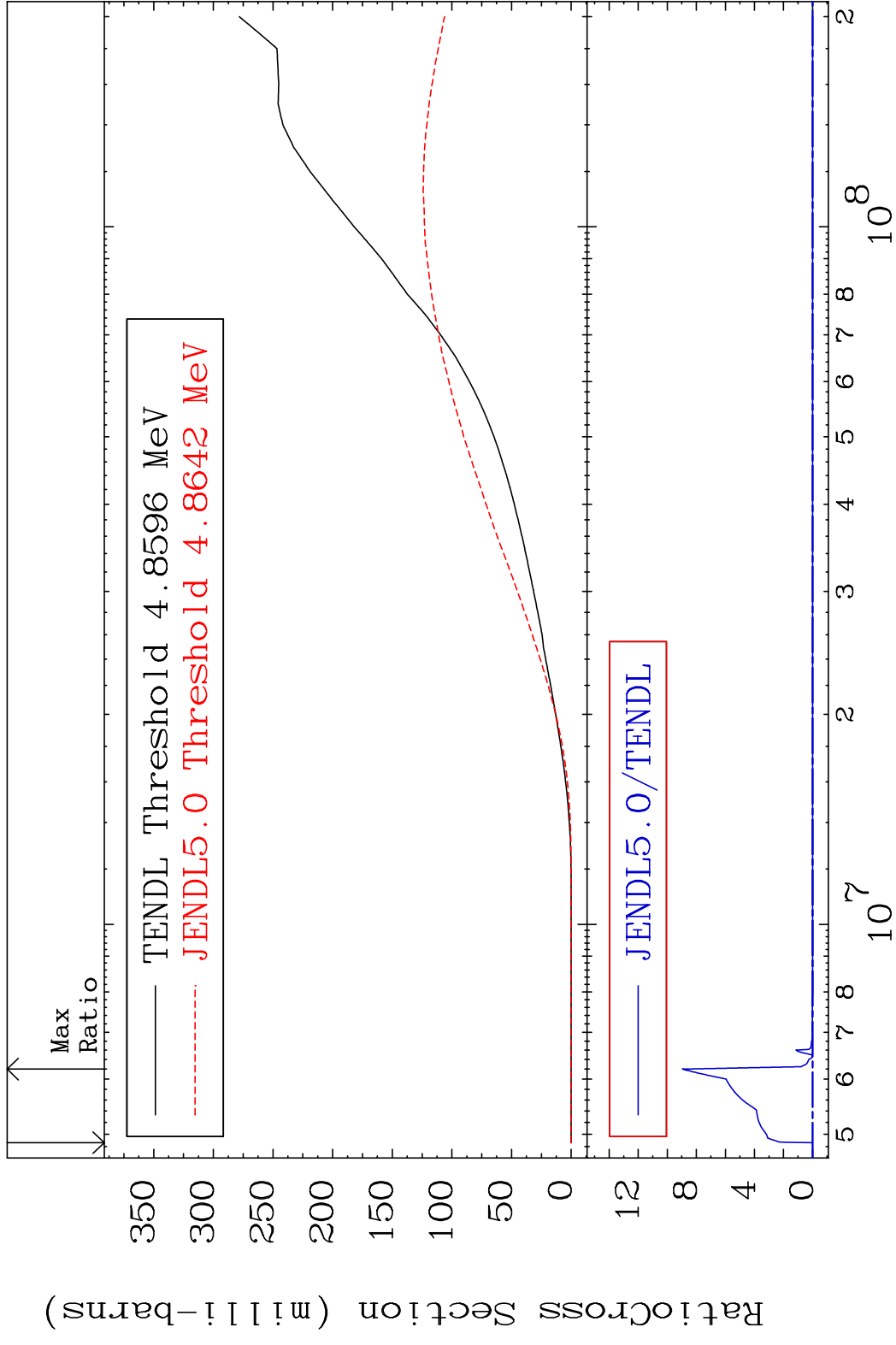


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Incident Energy (eV)

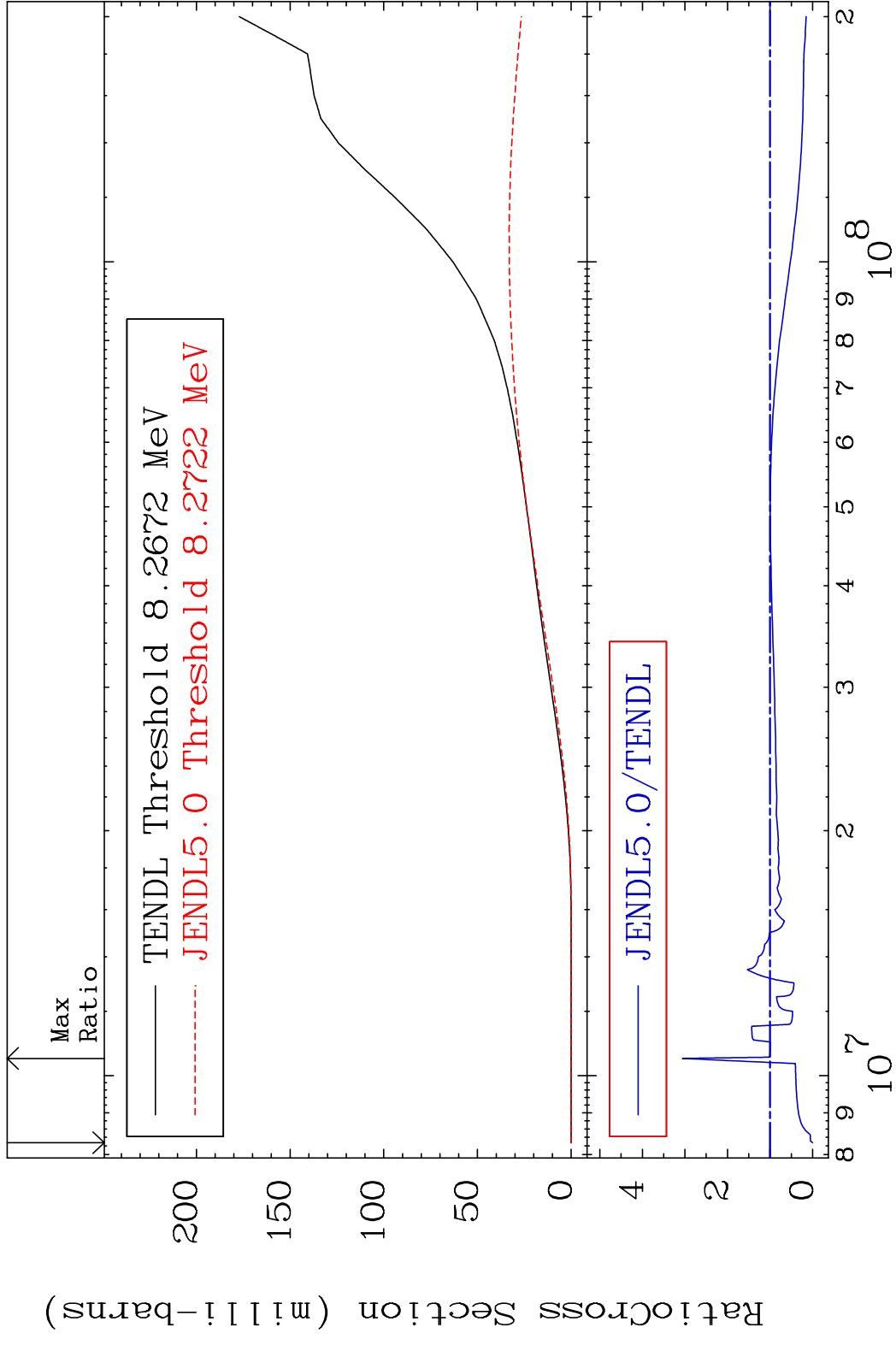
56-Ba-130

MAT 5625 Deuterium Production 56-Ba-130
 Cross Section -100.0 To 9999. %



50 56-Ba-130

MAT 5625 Tritium Production 56-Ba-130
 Cross Section -100.0 To 206.1 %

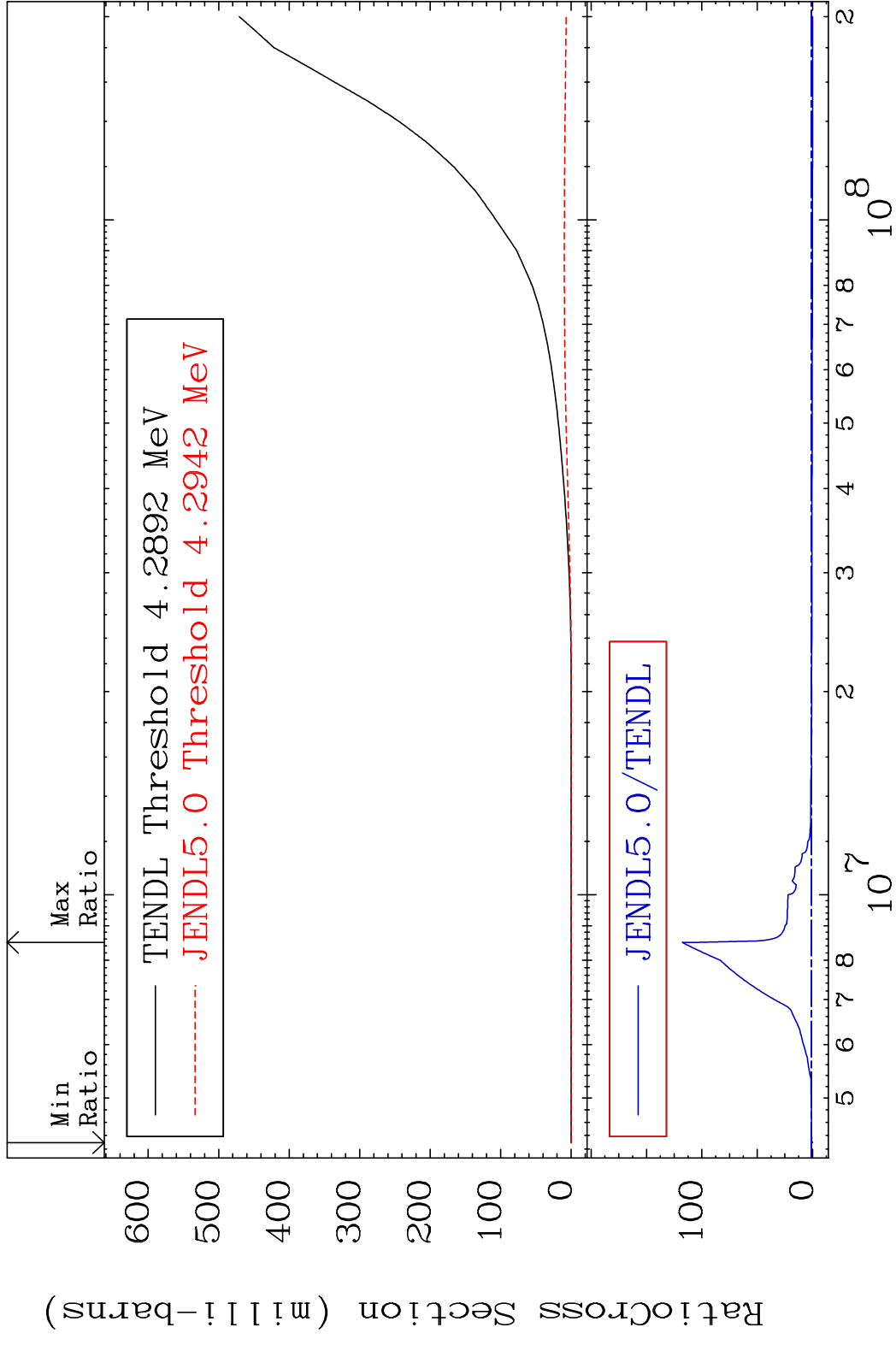


MAT 5625

He-3 Production

56-Ba-130

Cross Section -100.0 To 9999. %

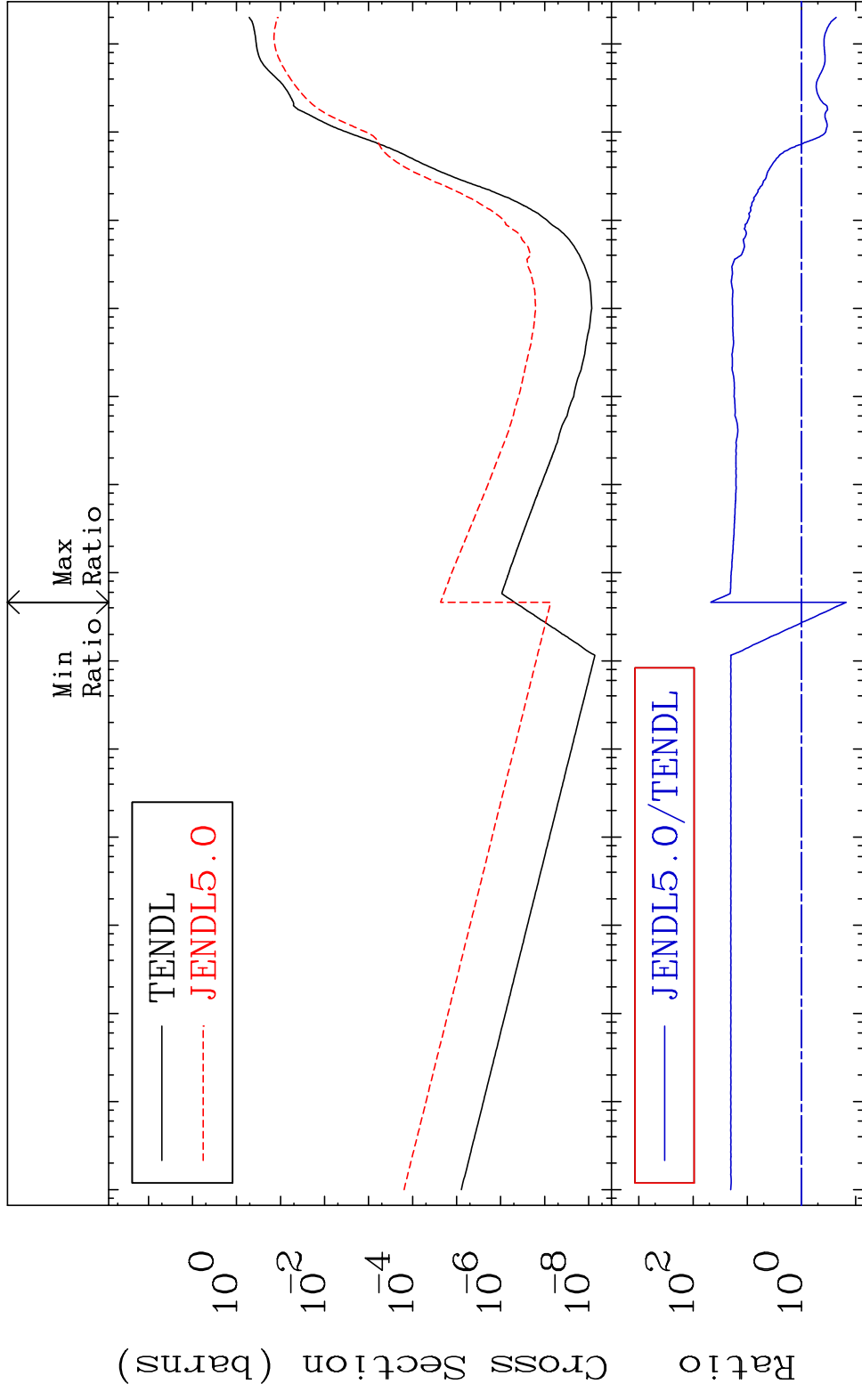


MAT 5625

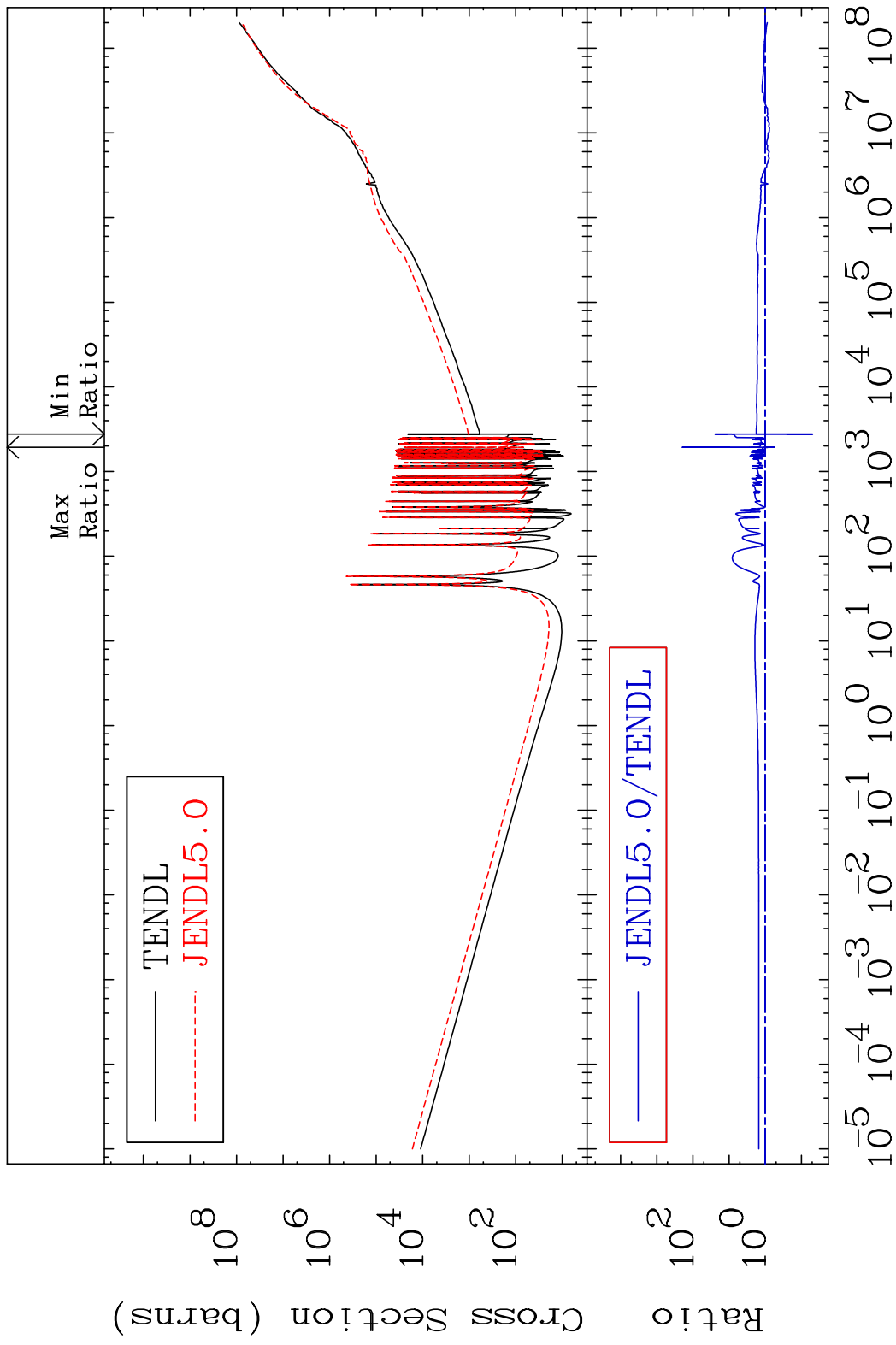
He-4 Production

56-Ba-130

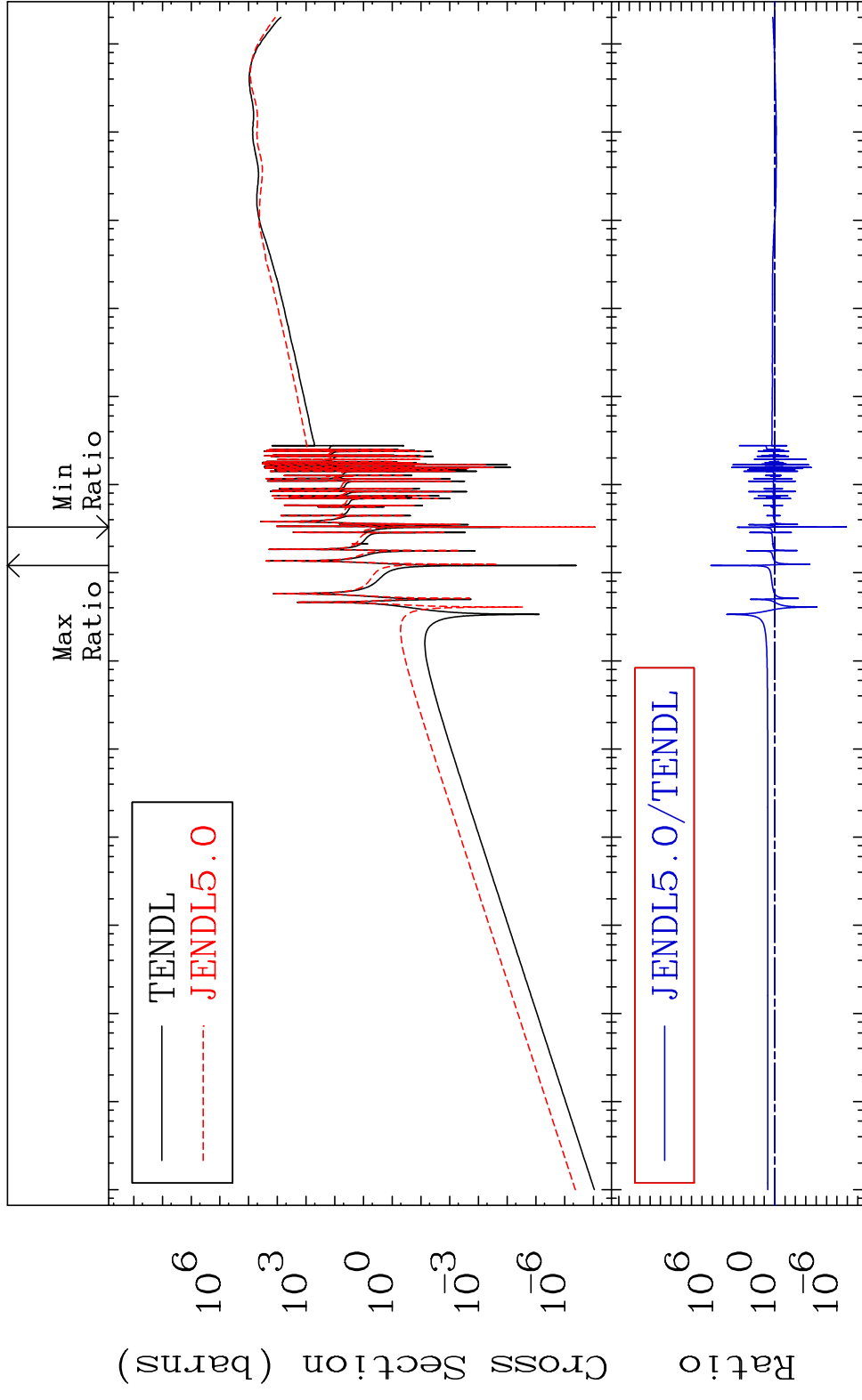
Cross Section -85.08 To 4633. %



MAT 5625 Kerma total (eV-barns) 56-Ba-130
 Cross Section -95.11 To 9999. %

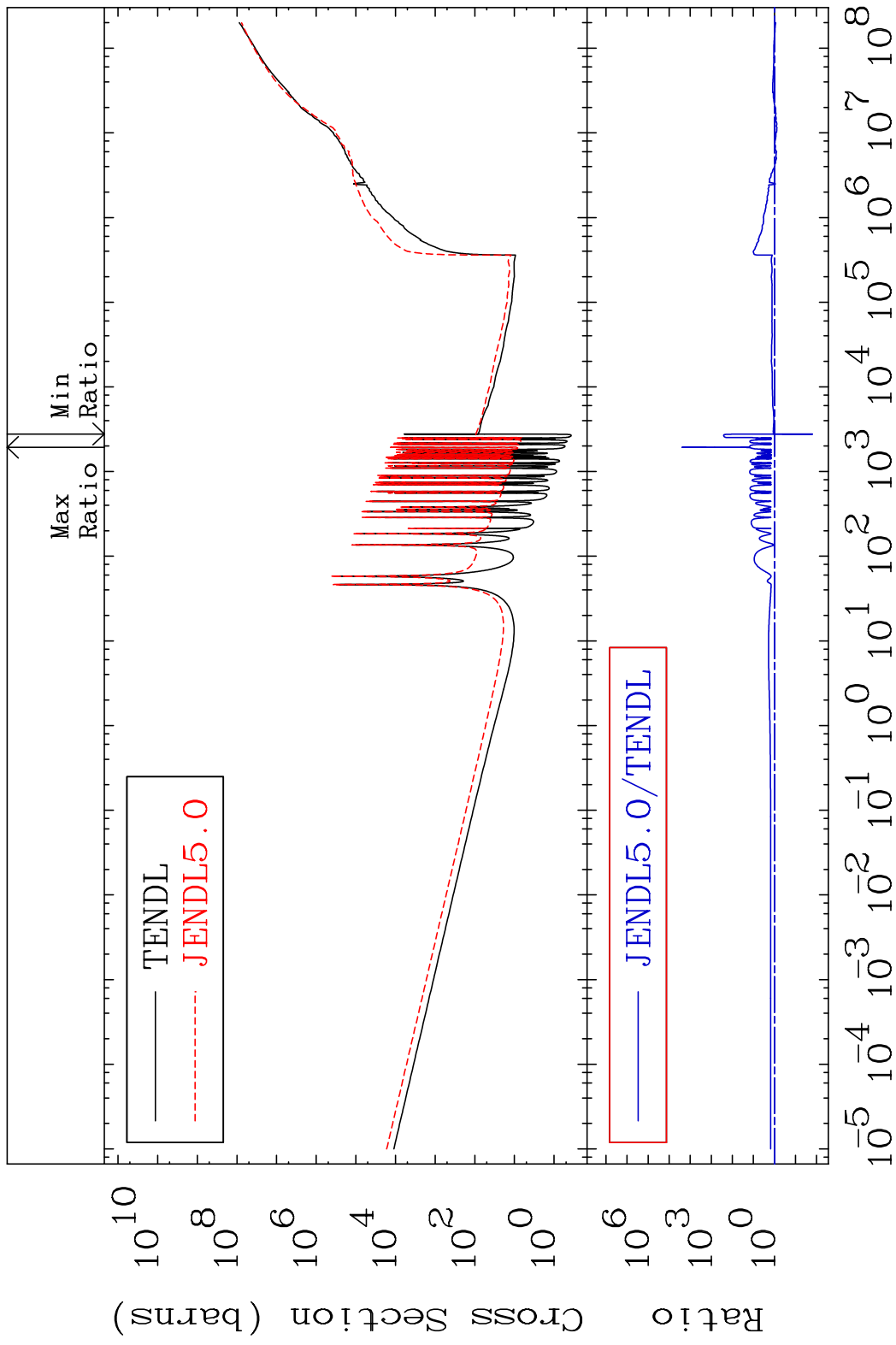


MAT 5625 Kerma elastic 56-Ba-130
 Cross Section -100.0 To 9999. %

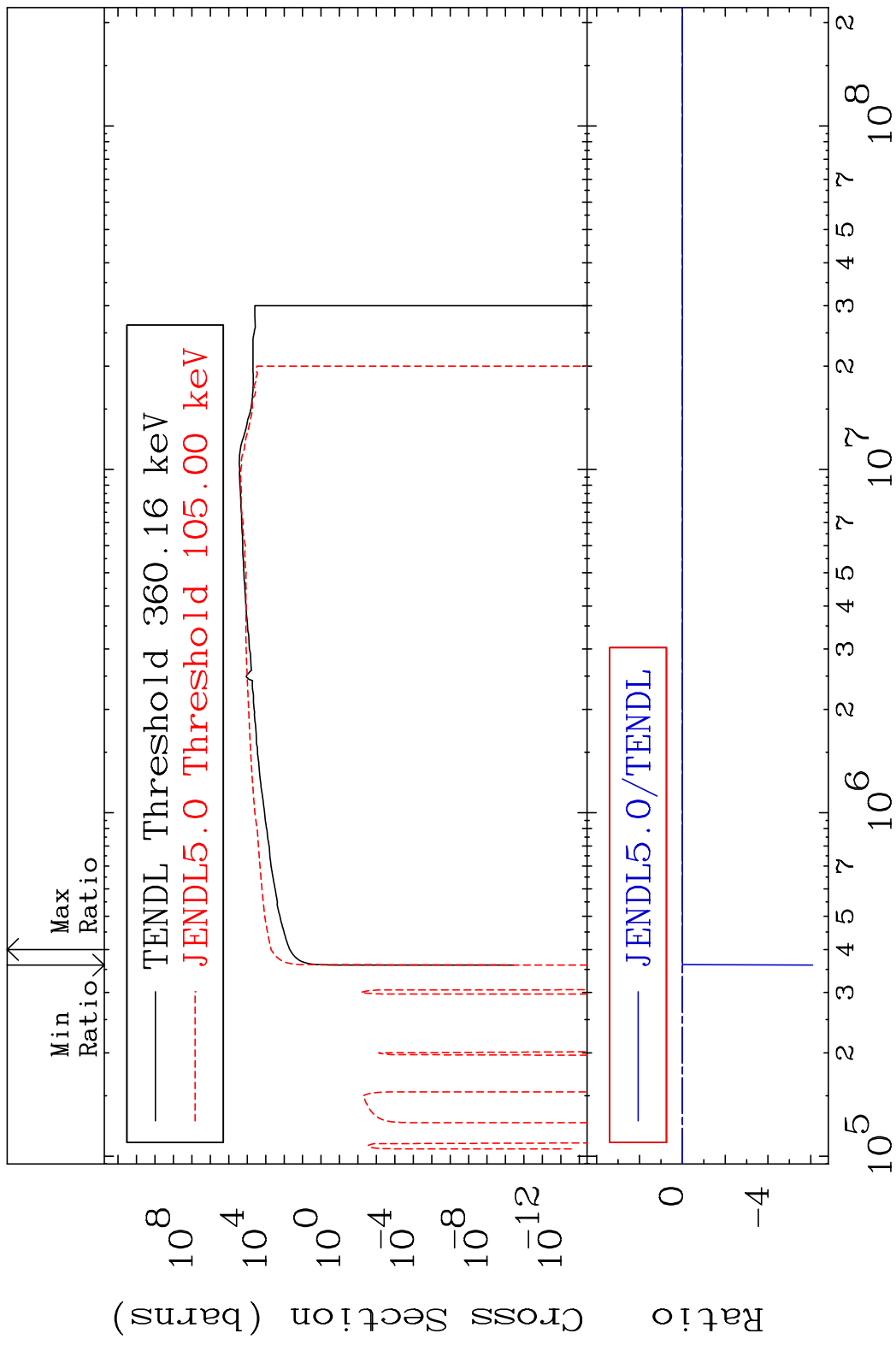


55 Incident Energy (eV) 56-Ba-130

MAT 5625 Kerma non-elastic (all but mt2) 56-Ba-130
 Cross Section -98.45 To 9999. %

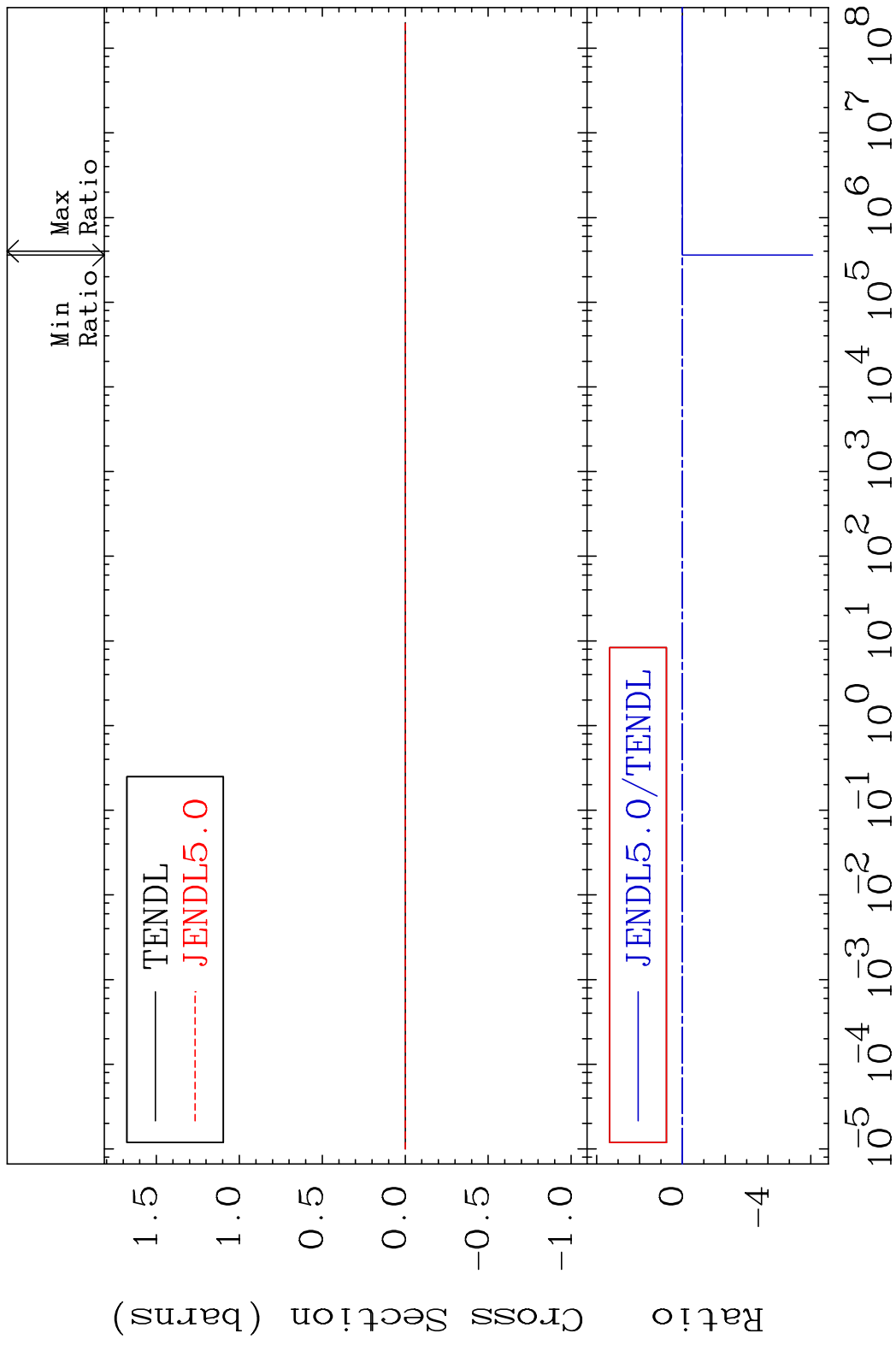


MAT 5625 Kerma inelastic (mt51-91) 56-Ba-130
 Cross Section -9999. To 930.8 %



57 Incident Energy (eV) 56-Ba-130

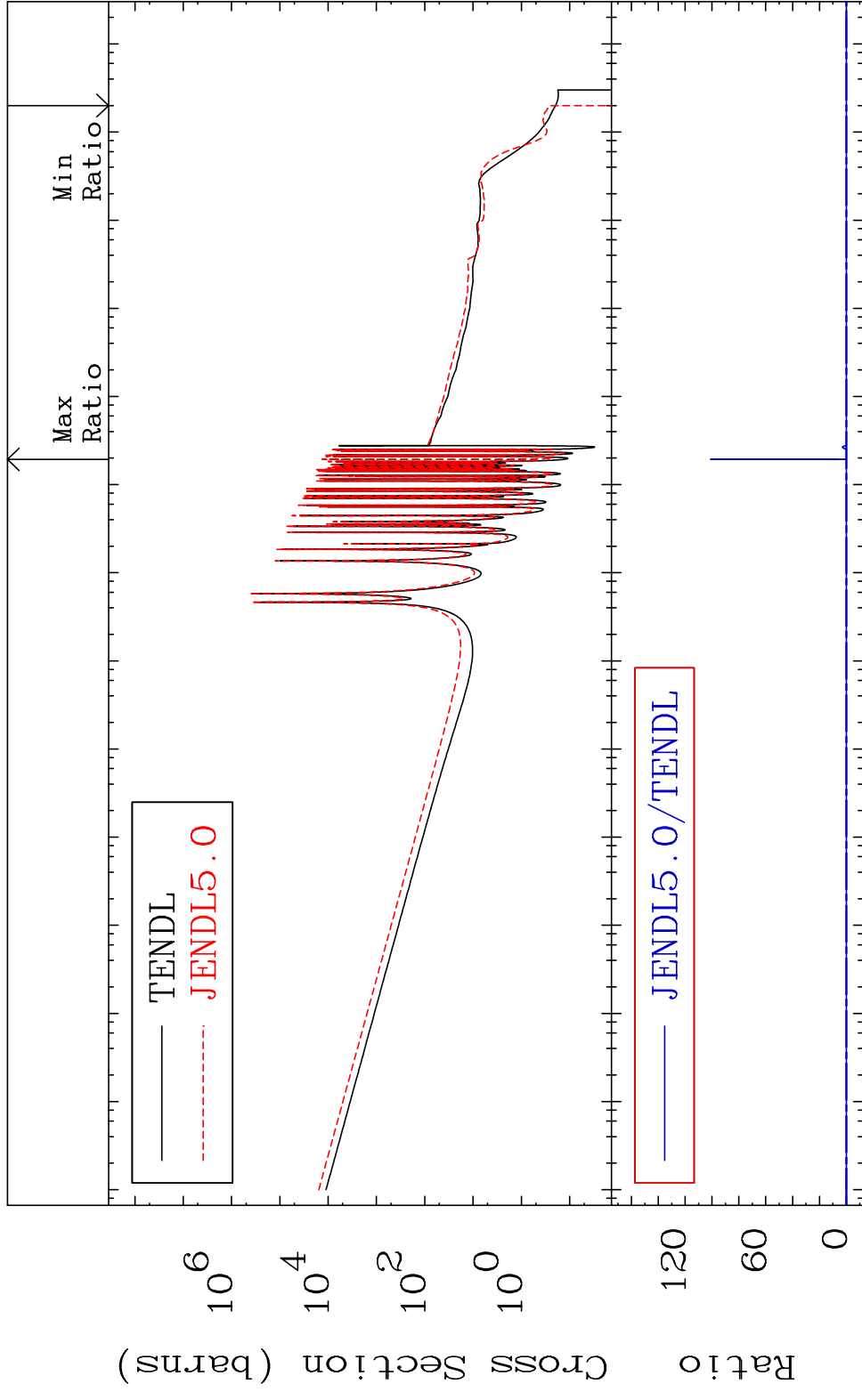
MAT 5625 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-130
 Cross Section -9999. To 930.8 %



MAT 5625

Kerma capture (mt102) 56-Ba-130

Cross Section -100.0 To 9999. %

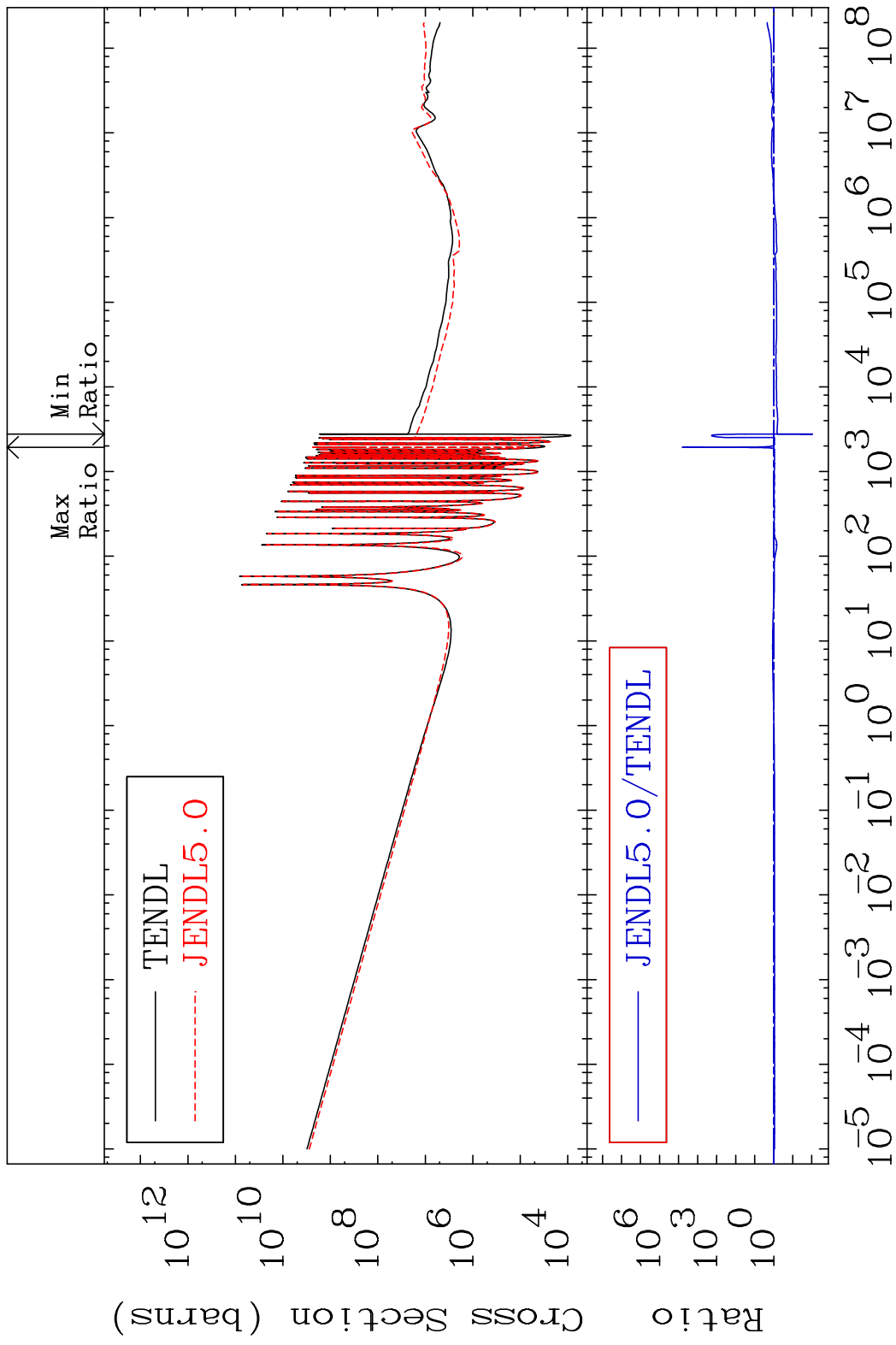


59

Incident Energy (eV)

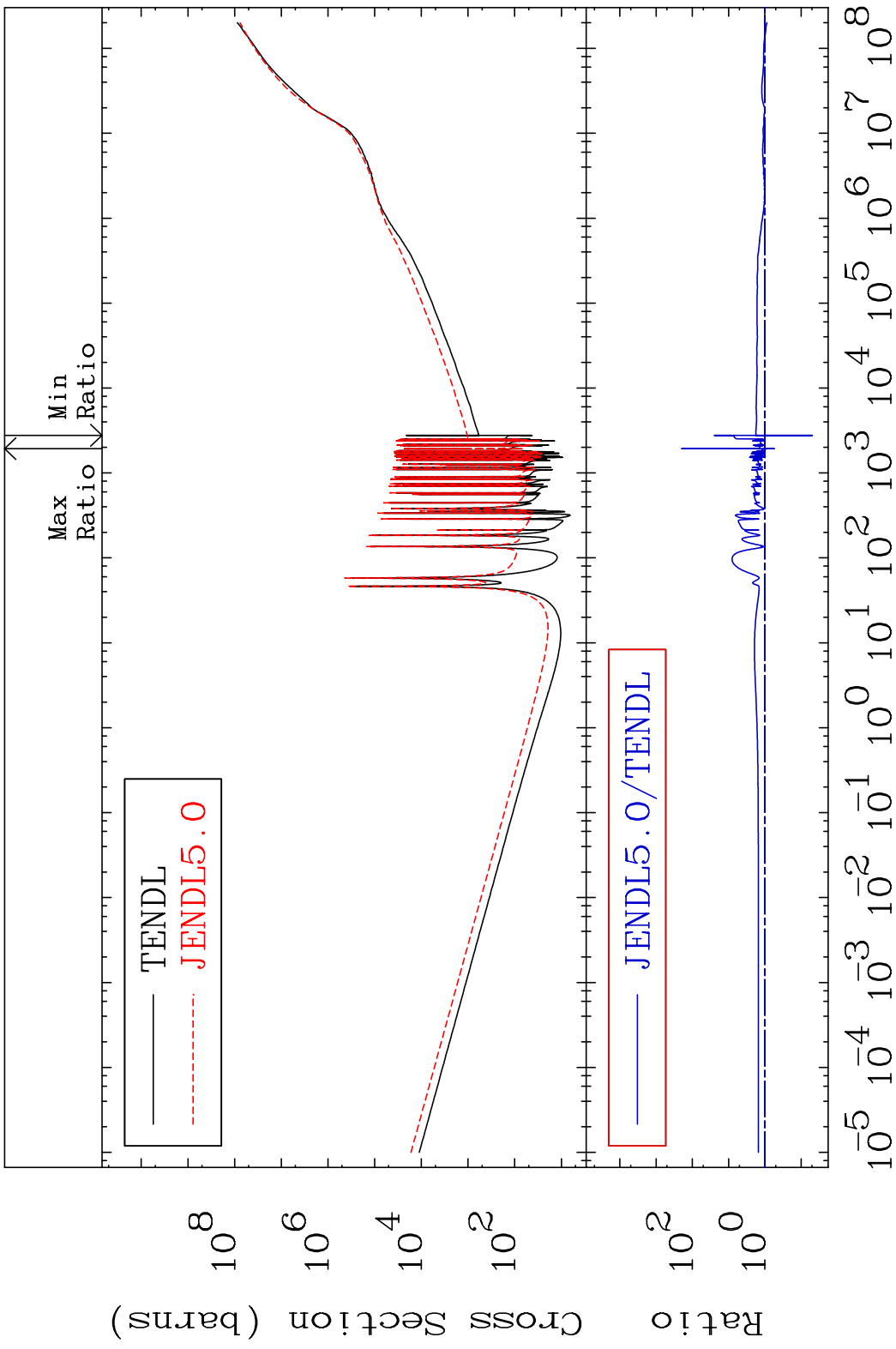
56-Ba-130

MAT 5625 Total photon (eV-barns) 56-Ba-130
Cross Section -99.09 To 9999. %

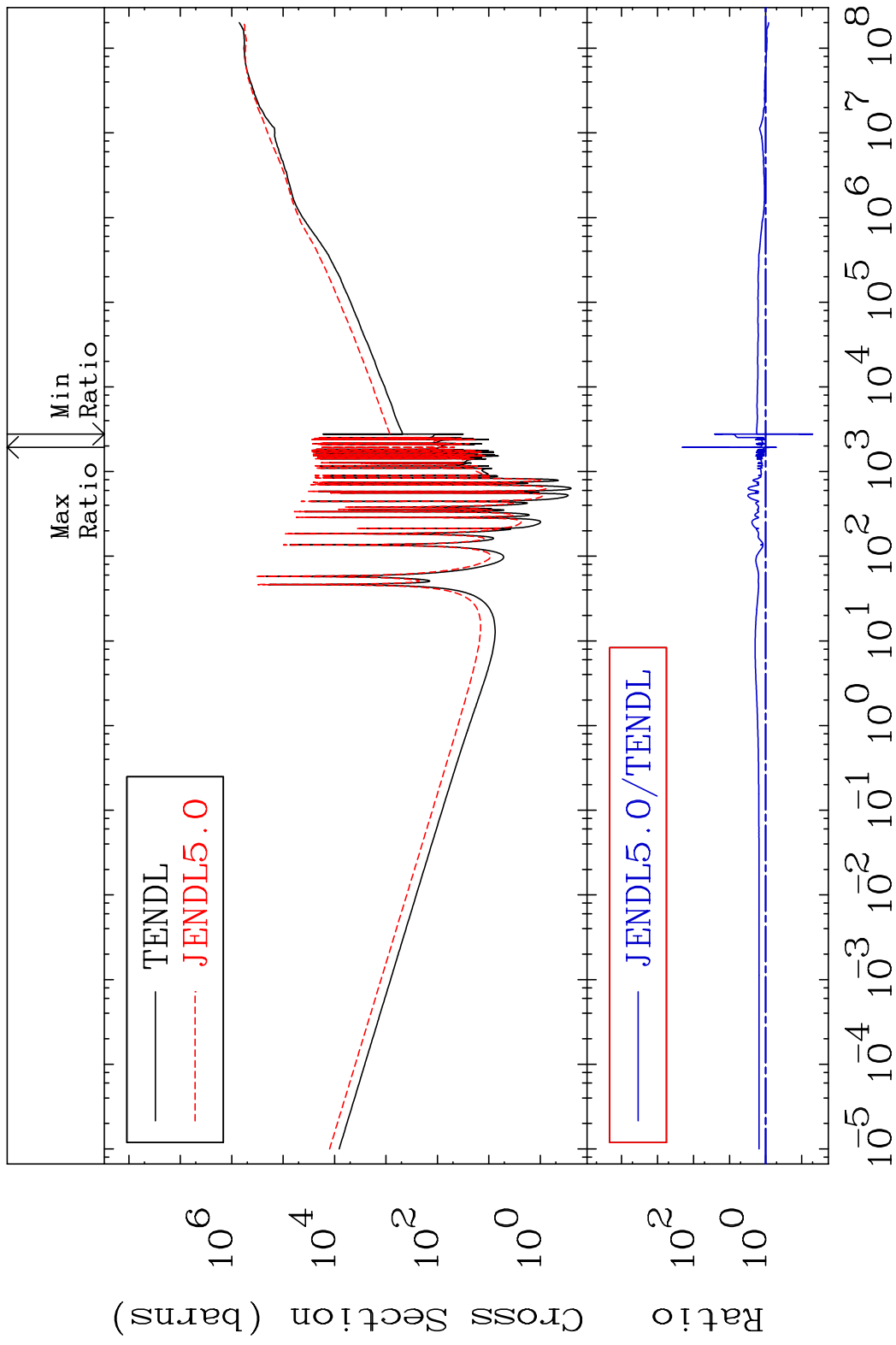


60 Incident Energy (eV) 56-Ba-130

MAT 5625 Total kinematic kerma (high limit) 56-Ba-130
Cross Section -95.11 To 9999. %



MAT 5625 Dpa total (eV-barns) 56-Ba-130
 Cross Section -95.01 To 9999. %



62 Incident Energy (eV) 56-Ba-130

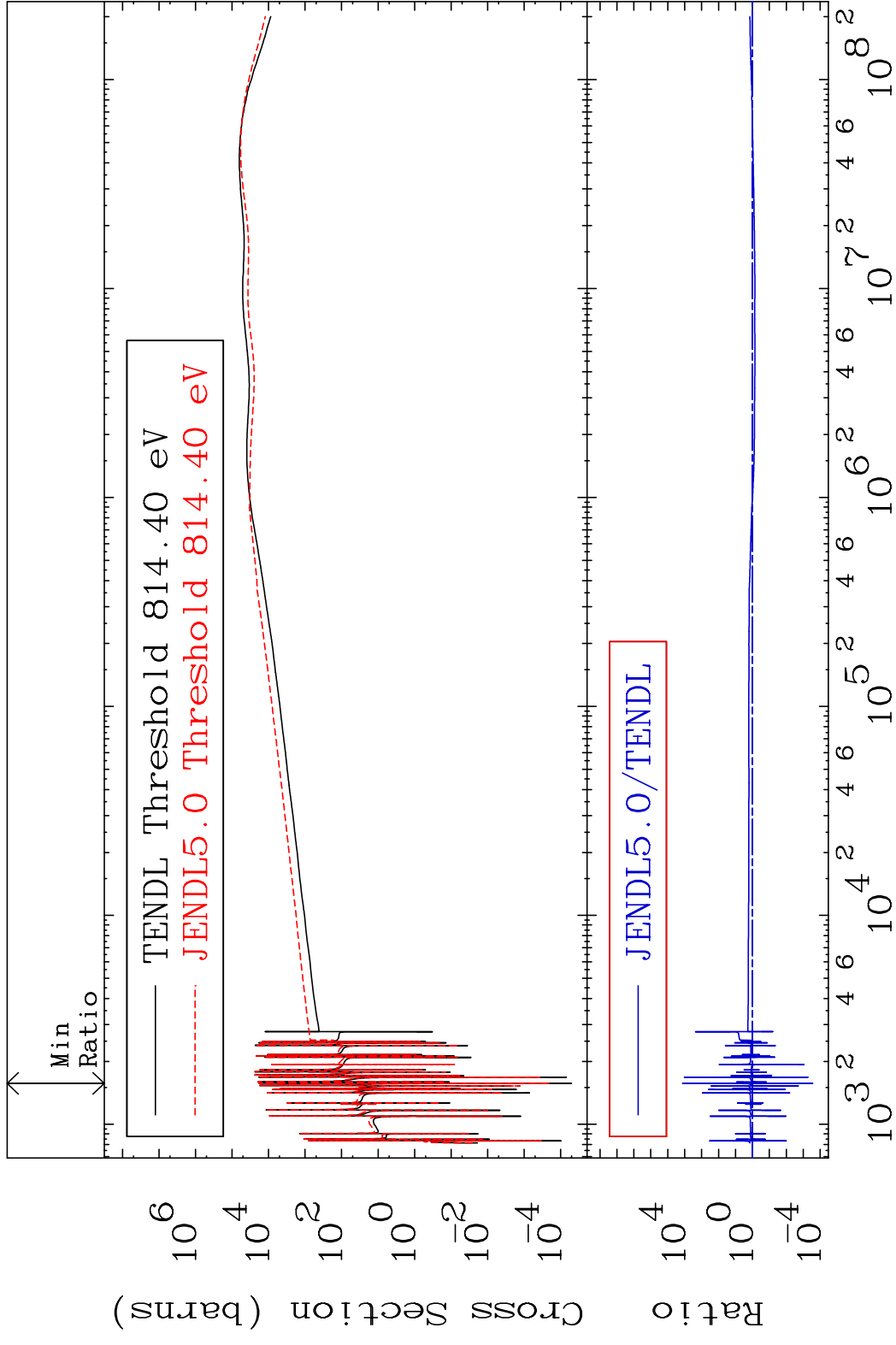
MAT 5625

Dpa elastic (mt2)

56-Ba-130

Cross Section

-99.97 To 9999. %

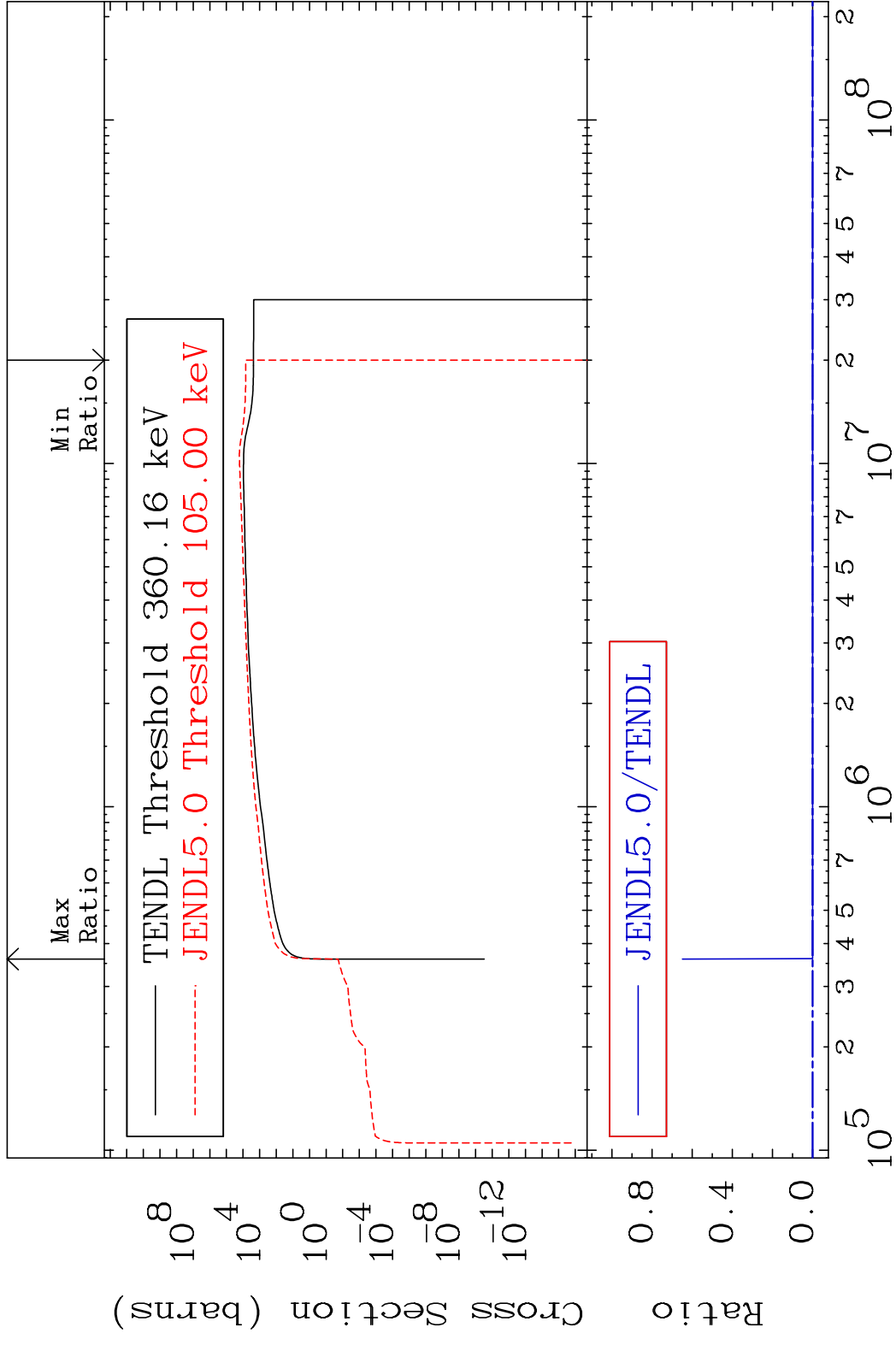


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Incident Energy (eV)

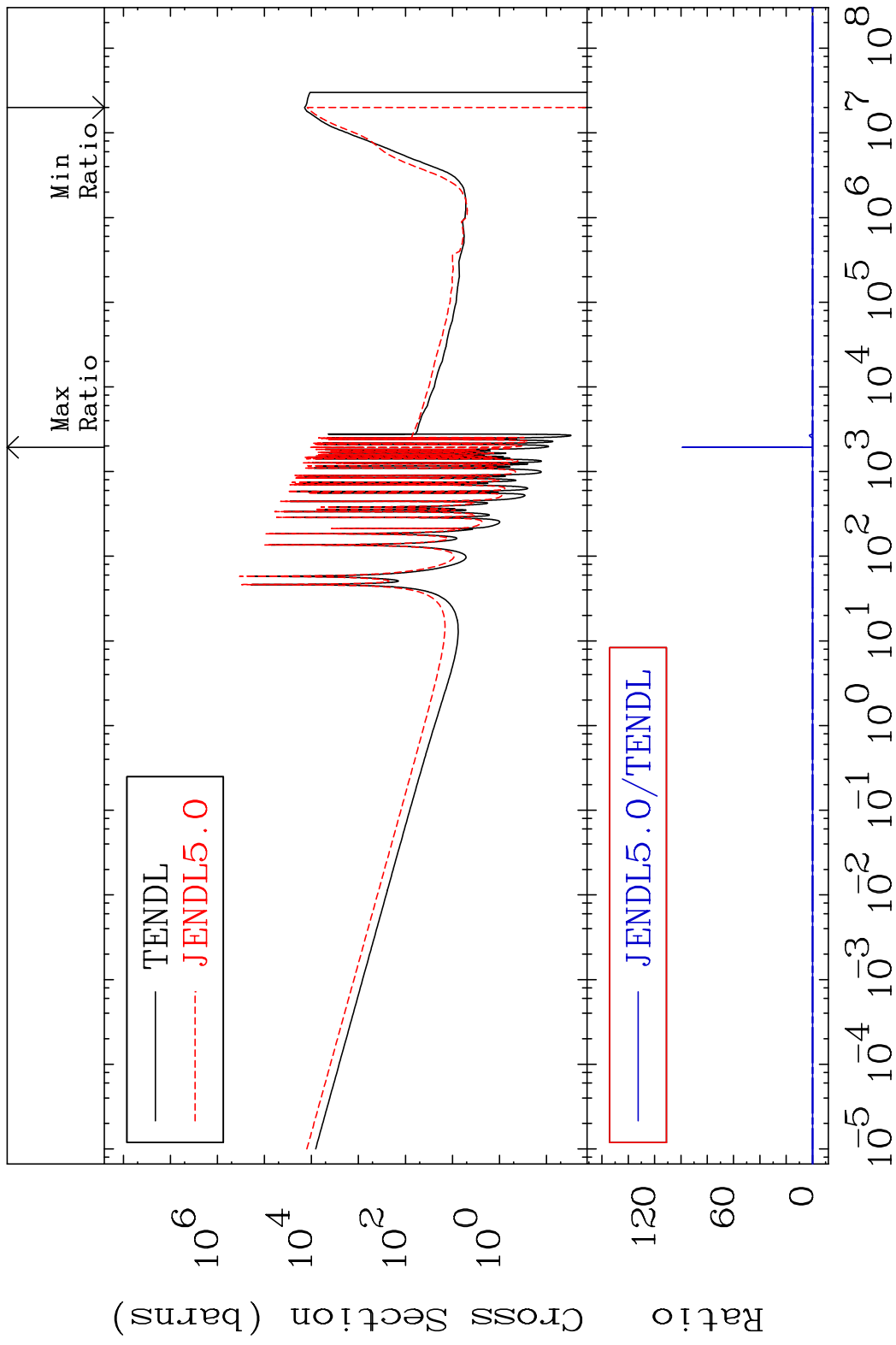
56-Ba-130

MAT 5625 Dpa inelastic (mt51-91) 56-Ba-130
 Cross Section -100.0 To 9999. %

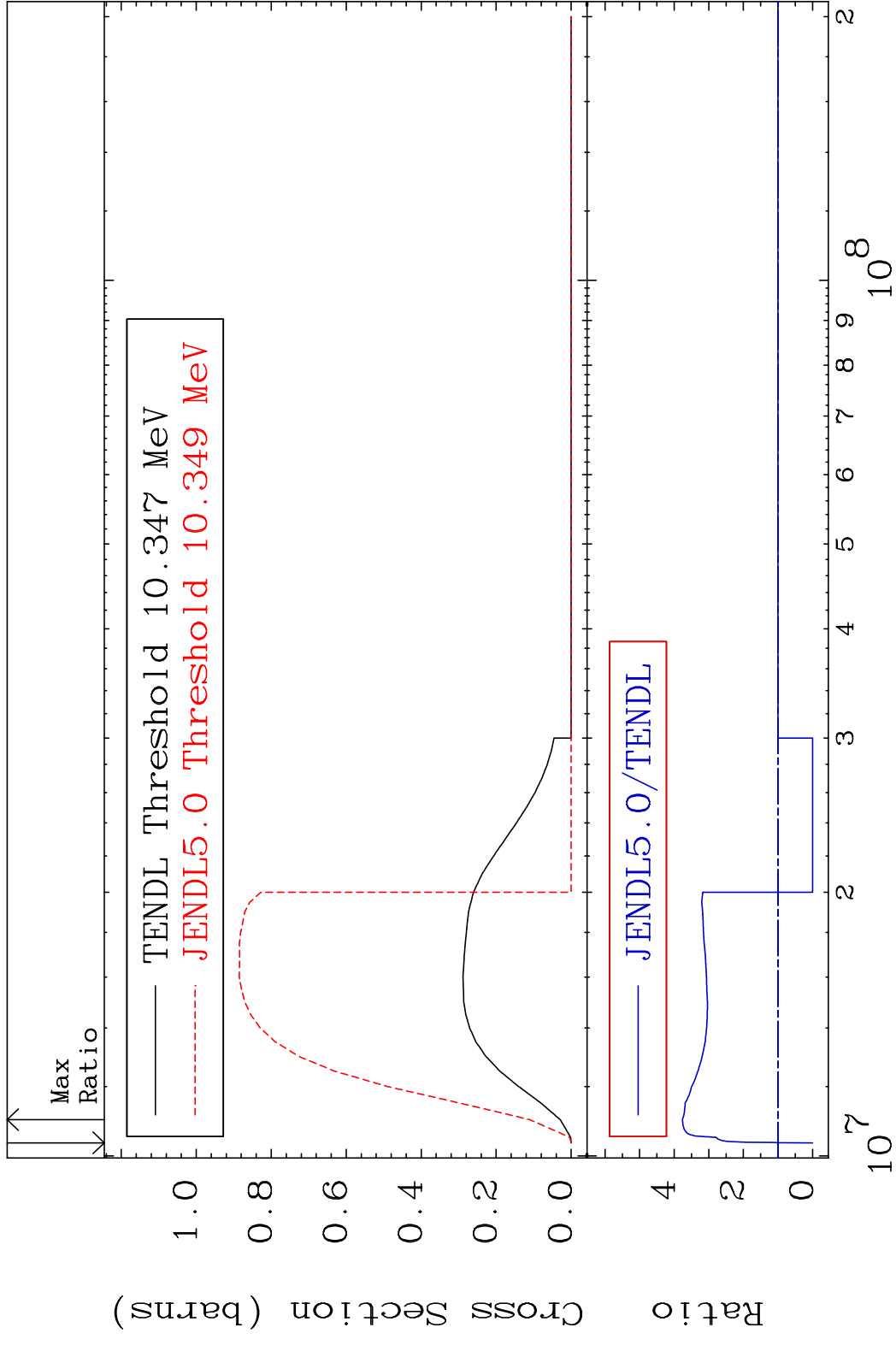


64 Incident Energy (eV) 56-Ba-130

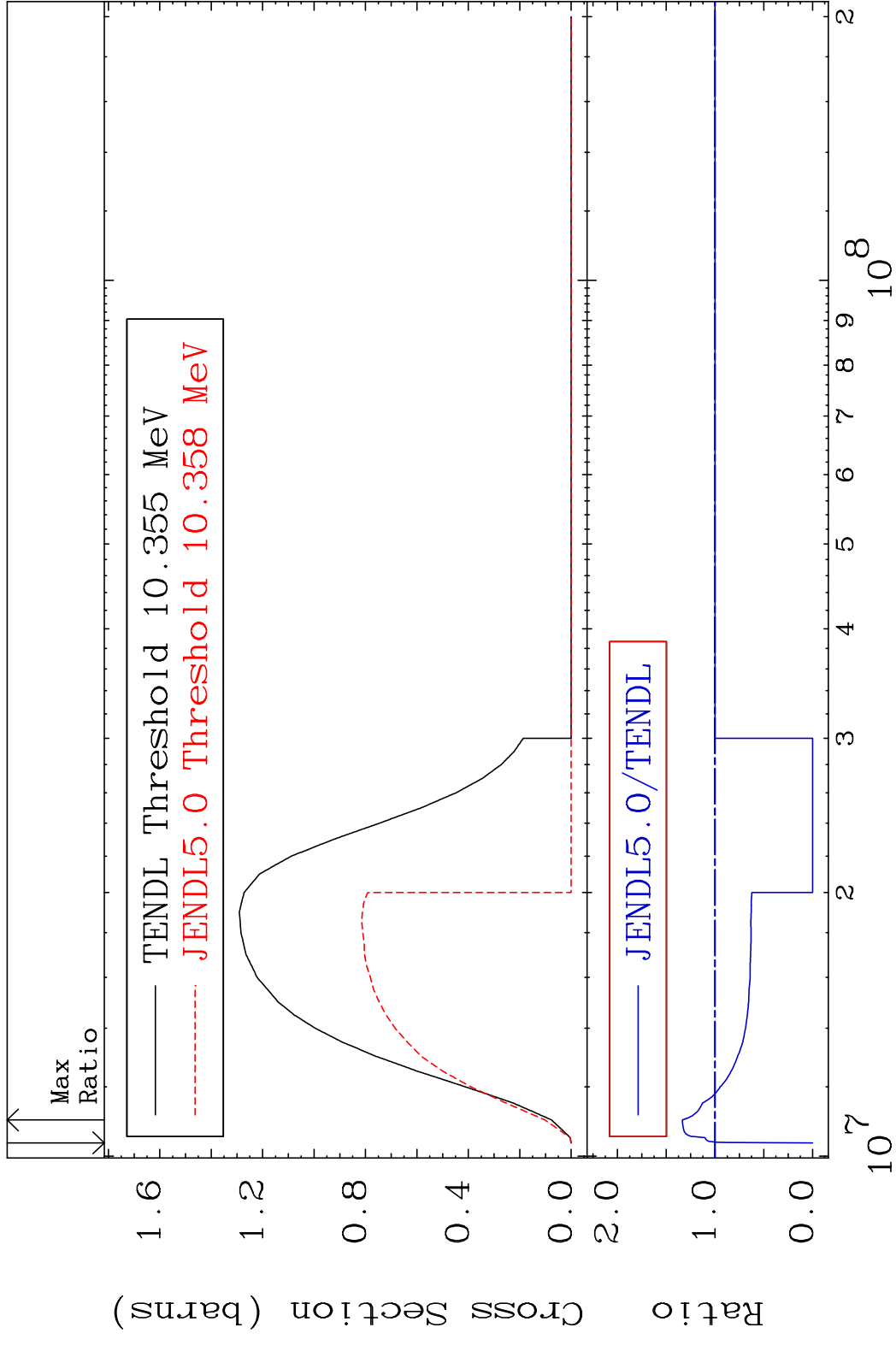
MAT 5625 Dpa disappearance (mt102 -120) 56-Ba-130
 Cross Section -100.0 To 9999. %



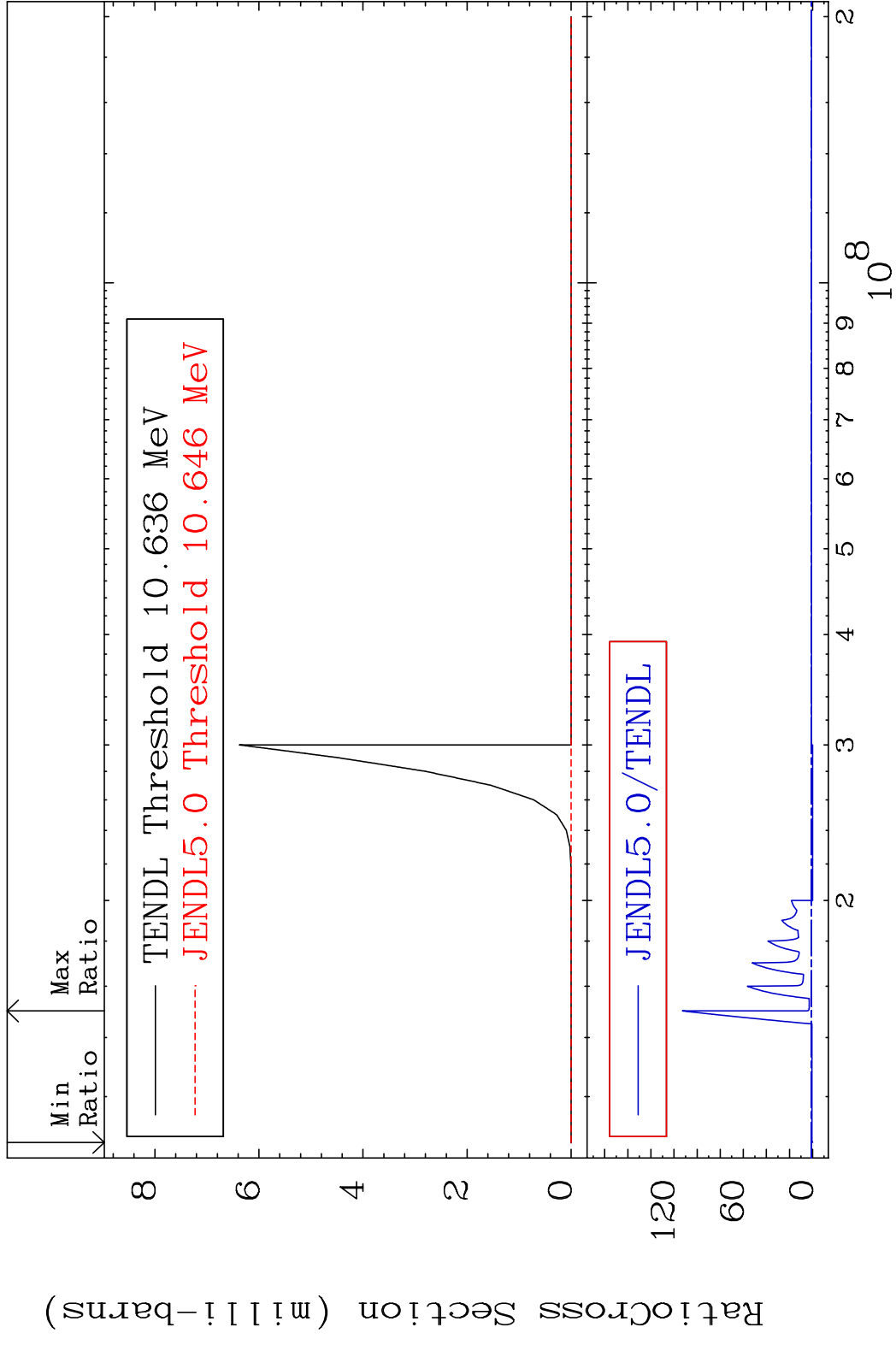
MAT 5625 (n,2n):56-Ba-129g 56-Ba-130
 Radionuclide Production Cross Section 180.0 dth 276.4 %

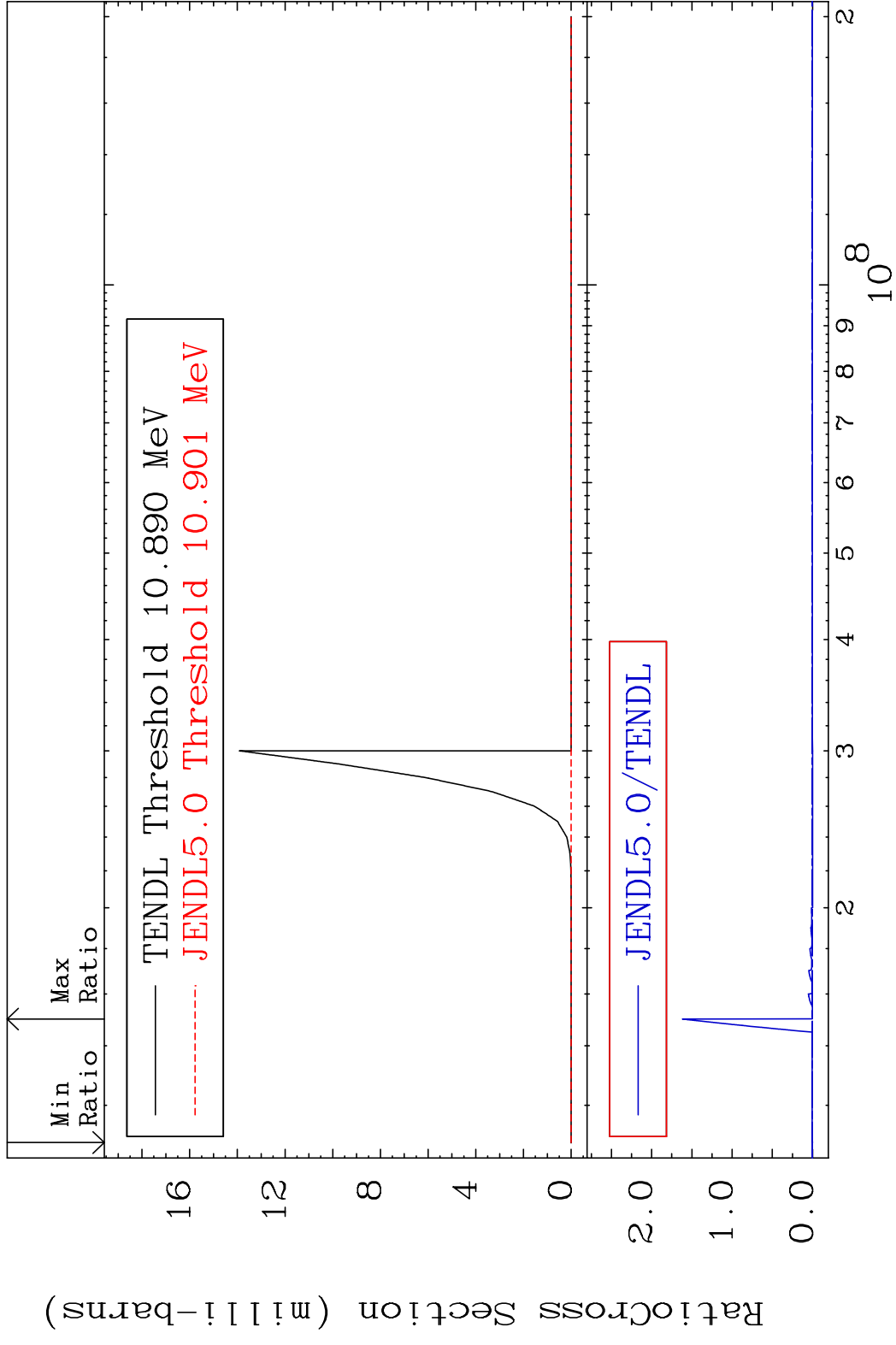


MAT 5625 (n, 2n):56-Ba-129m1 56-Ba-130
 Radionuclide Production Cross Section Ratio 33.48 %

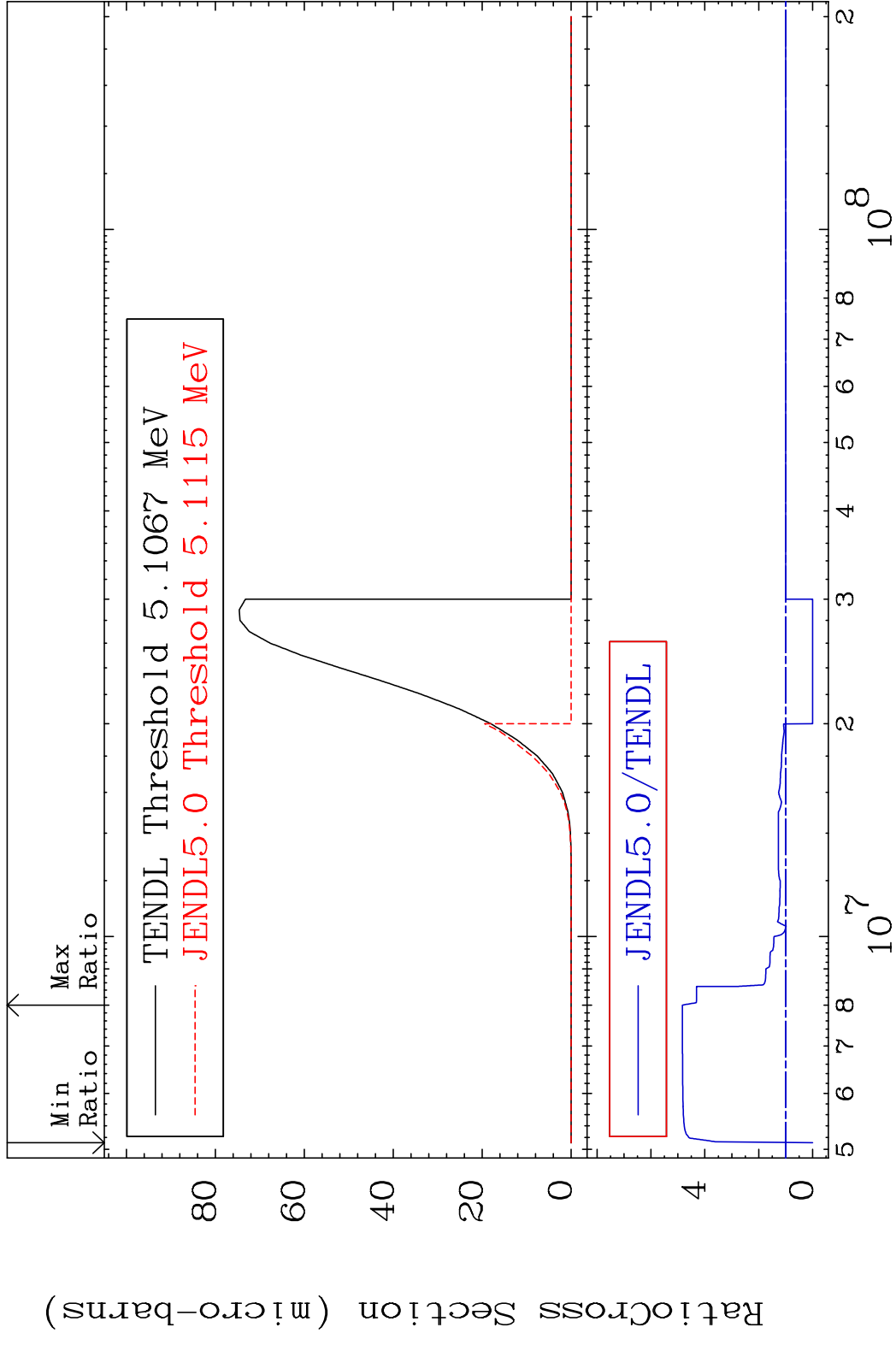


MAT 5625 (n,2n) α :54-Xe-125g 56-Ba-130
 Radionuclide Production Cross Section Ratio 9999. %





MAT 5625 (n,2p):54-Xe-129g 56-Ba-130
 Radionuclide Production Cross Section 1800.0 dth 383.5 %



MAT 5625 (n, 2p):54-Xe-129m2 56-Ba-130
 Radionuclide Production Cross Section 180.0 dth 280.4 %

