

Program Complot
(Version 2021-1)

by

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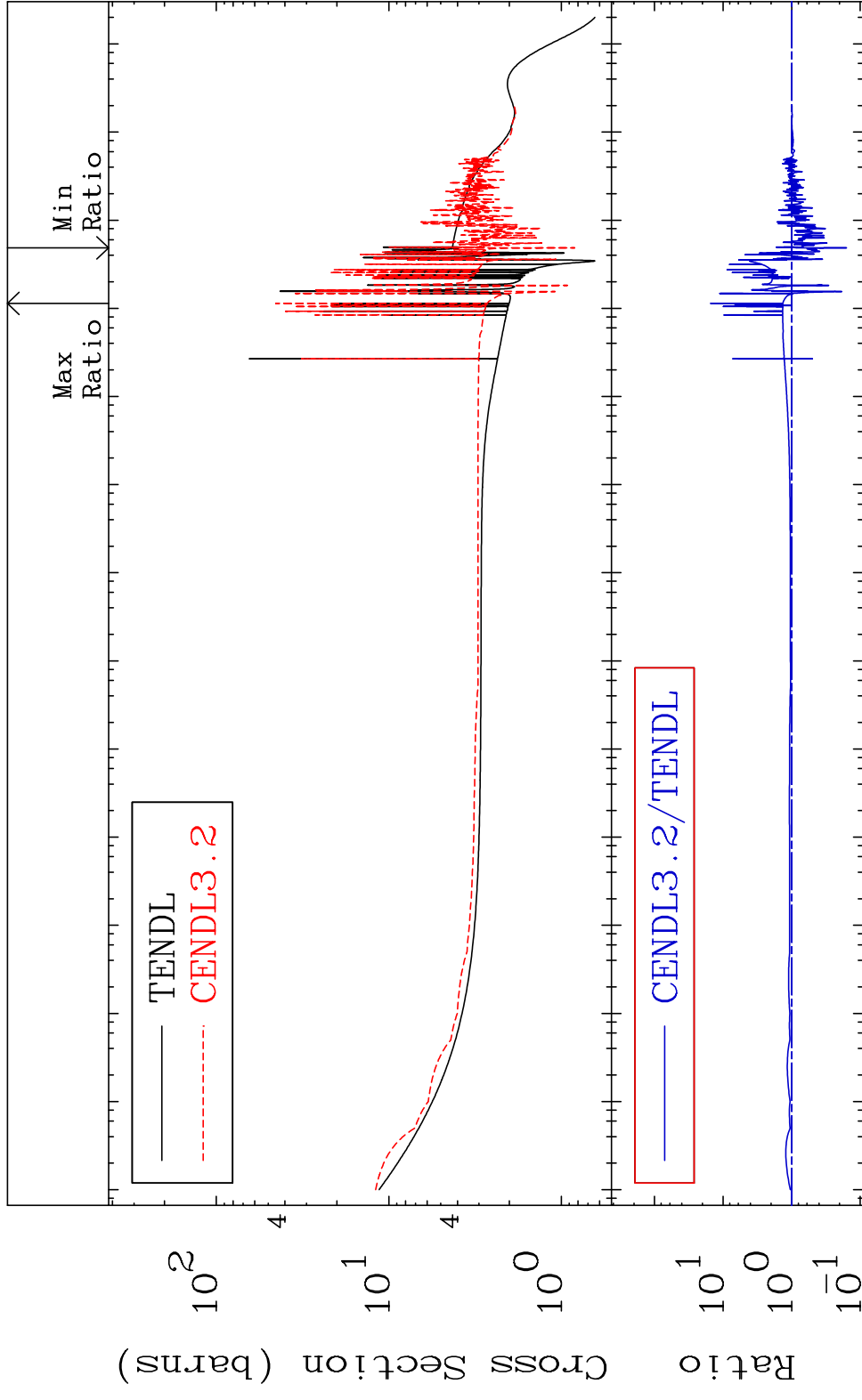
Press Mouse Button to Start

MAT 1525

Total

15-P -31

Cross Section -84.05 To 1417. %



1

Incident Energy (eV)

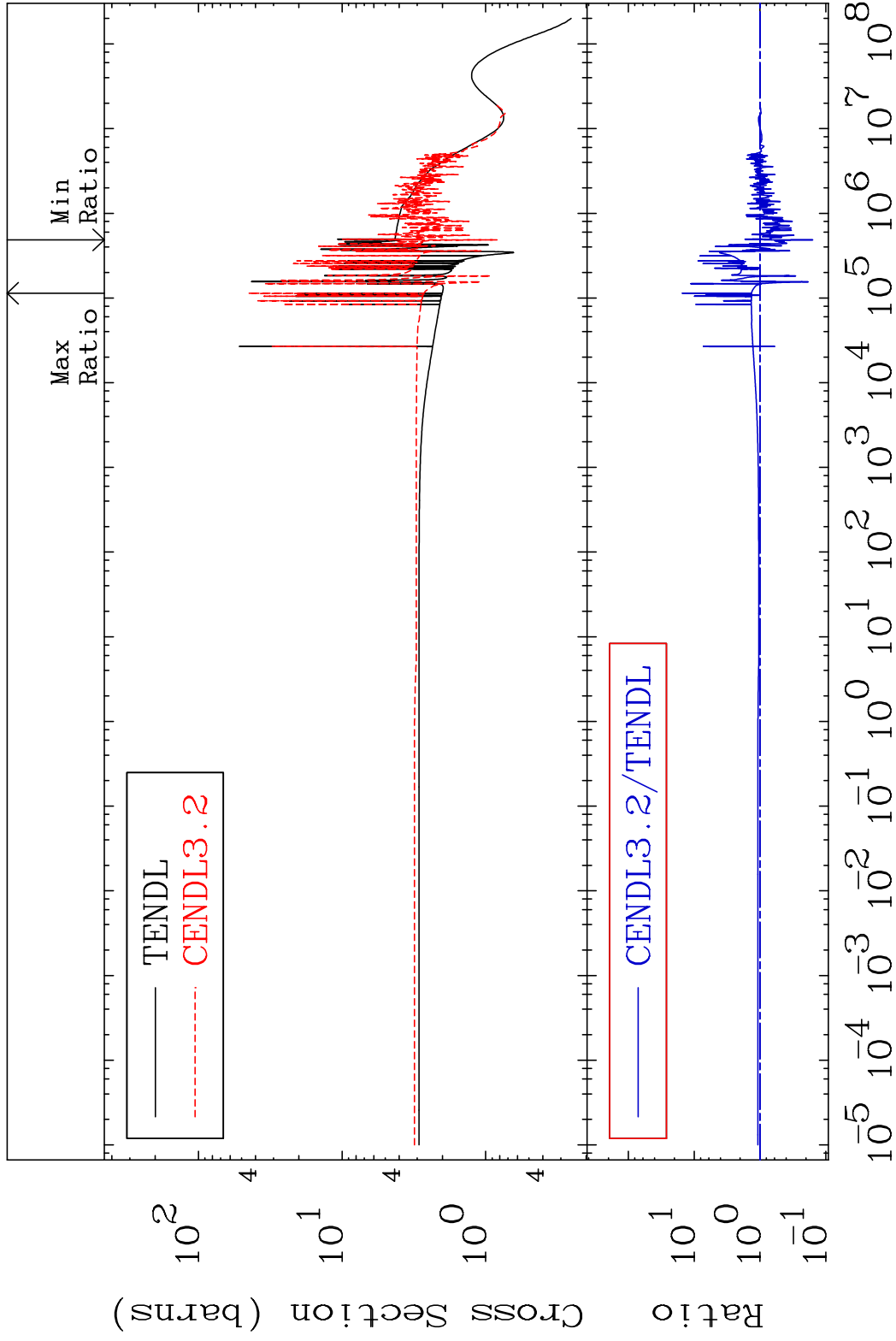
15-P -31

MAT 1525

Elastic

15-P -31

Cross Section -84.08 To 1411. %

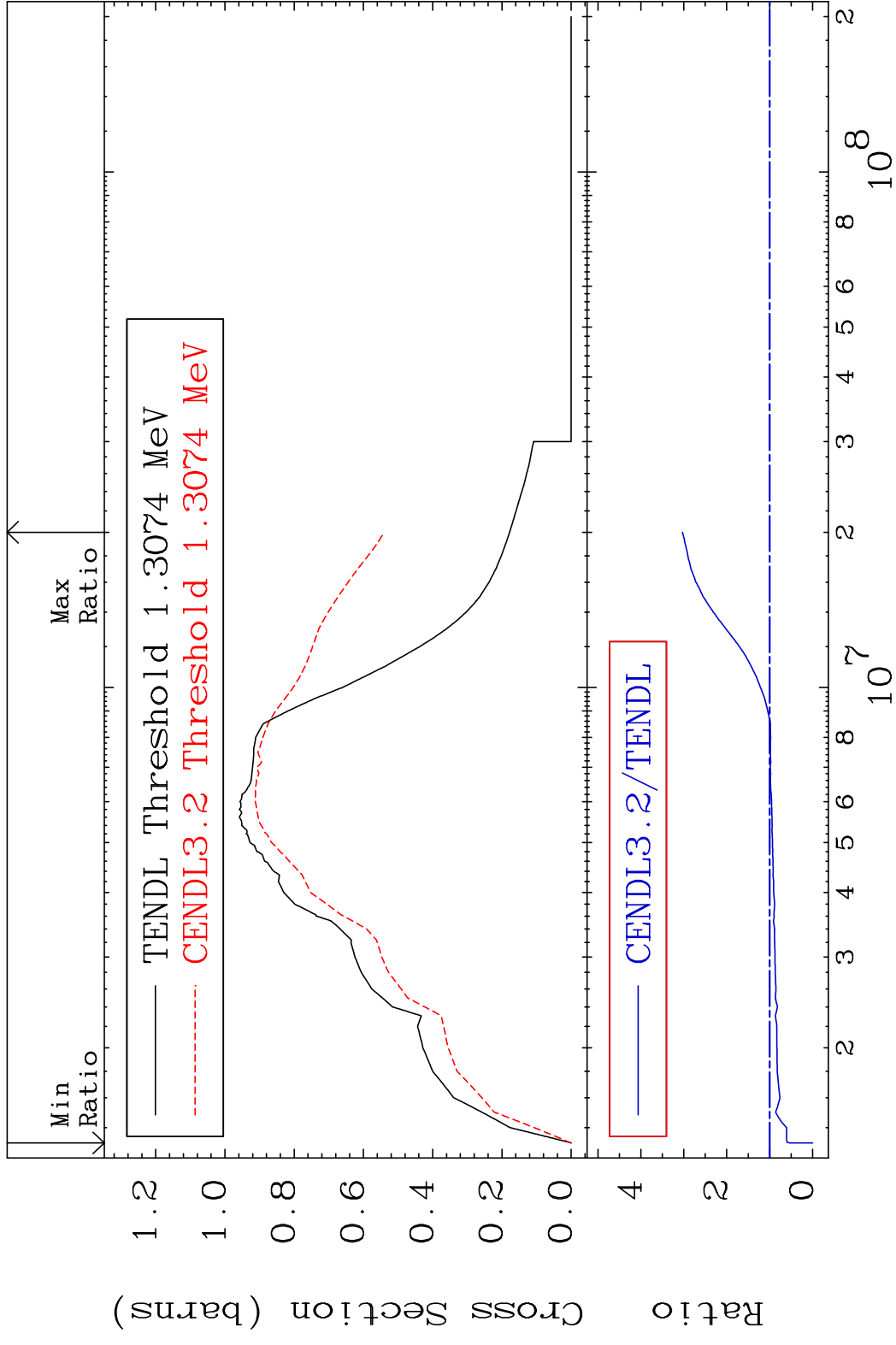


2

Incident Energy (eV)

15-P -31

MAT 1525 Inelastic 15-P -31
 Cross Section -100.0 To 203.4 %

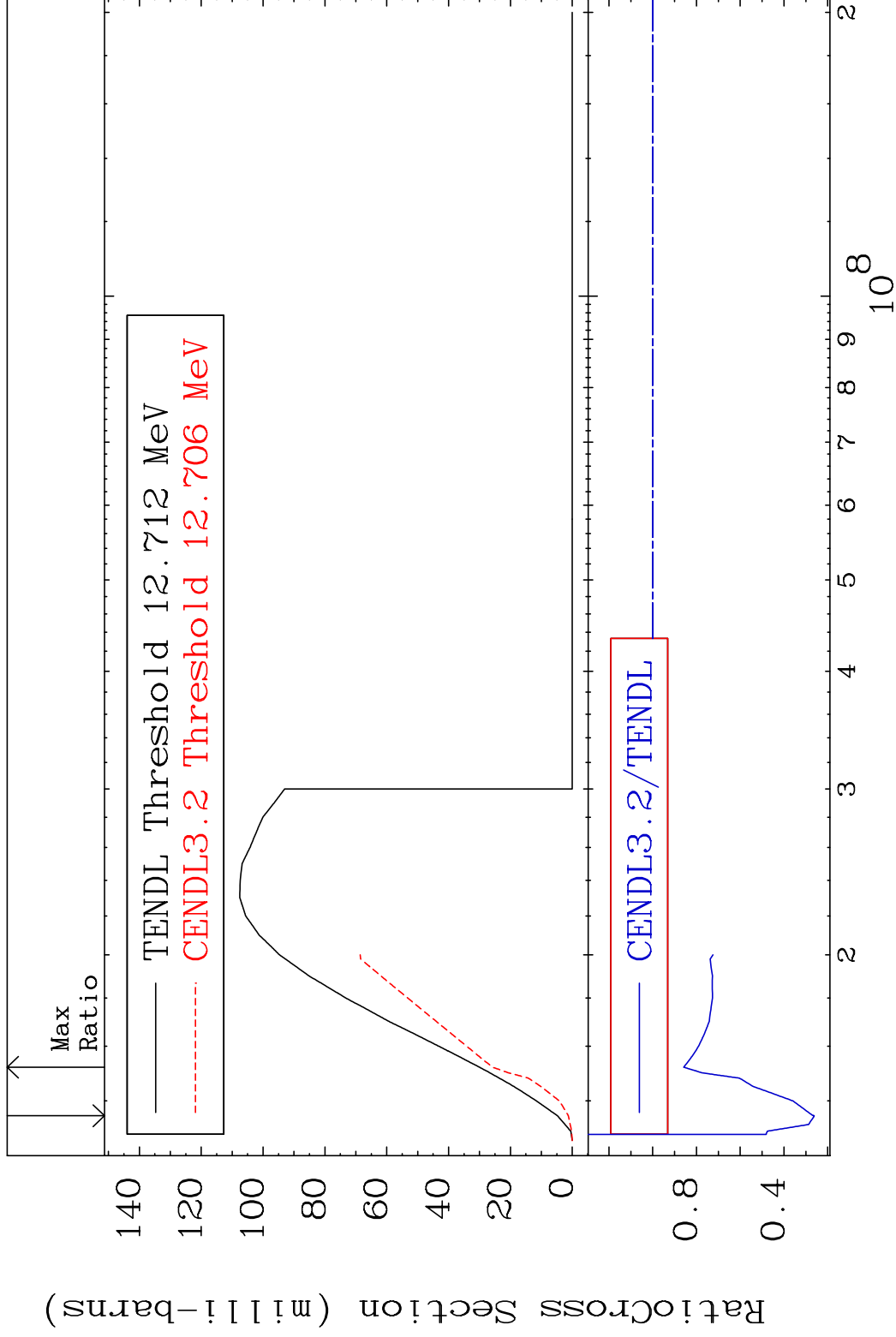


MAT 1525

(n,2n)

15-P -31

Cross Section -73.79 To -14.16%

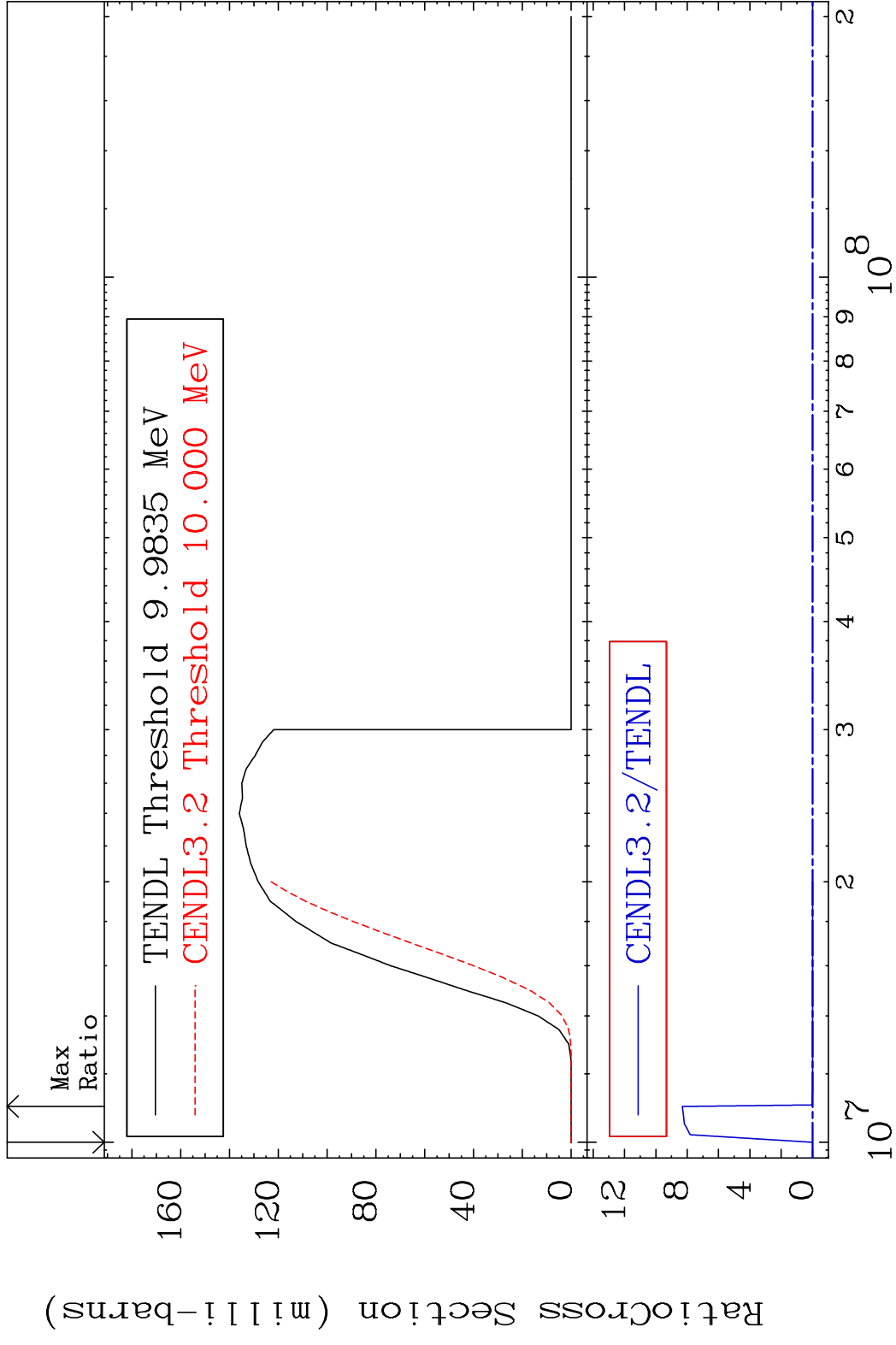


4

Incident Energy (eV)

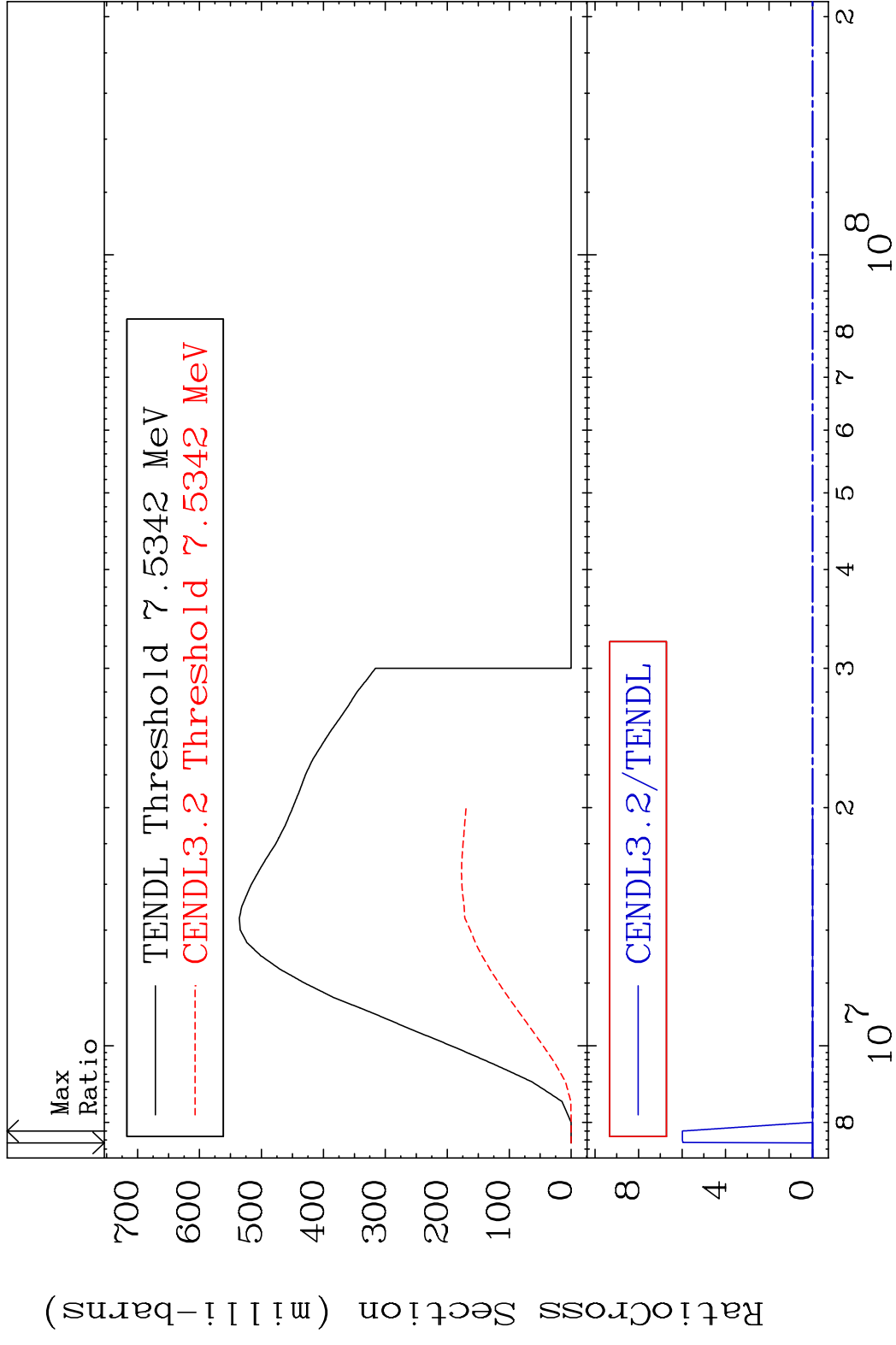
15-P -31

MAT 1525 (n, n') α 15-P -31
 Cross Section -100.0 To 9999. %



5 15-P -31

MAT 1525 (n, n') p 15-P -31
 Cross Section -100.0 To 9999. %



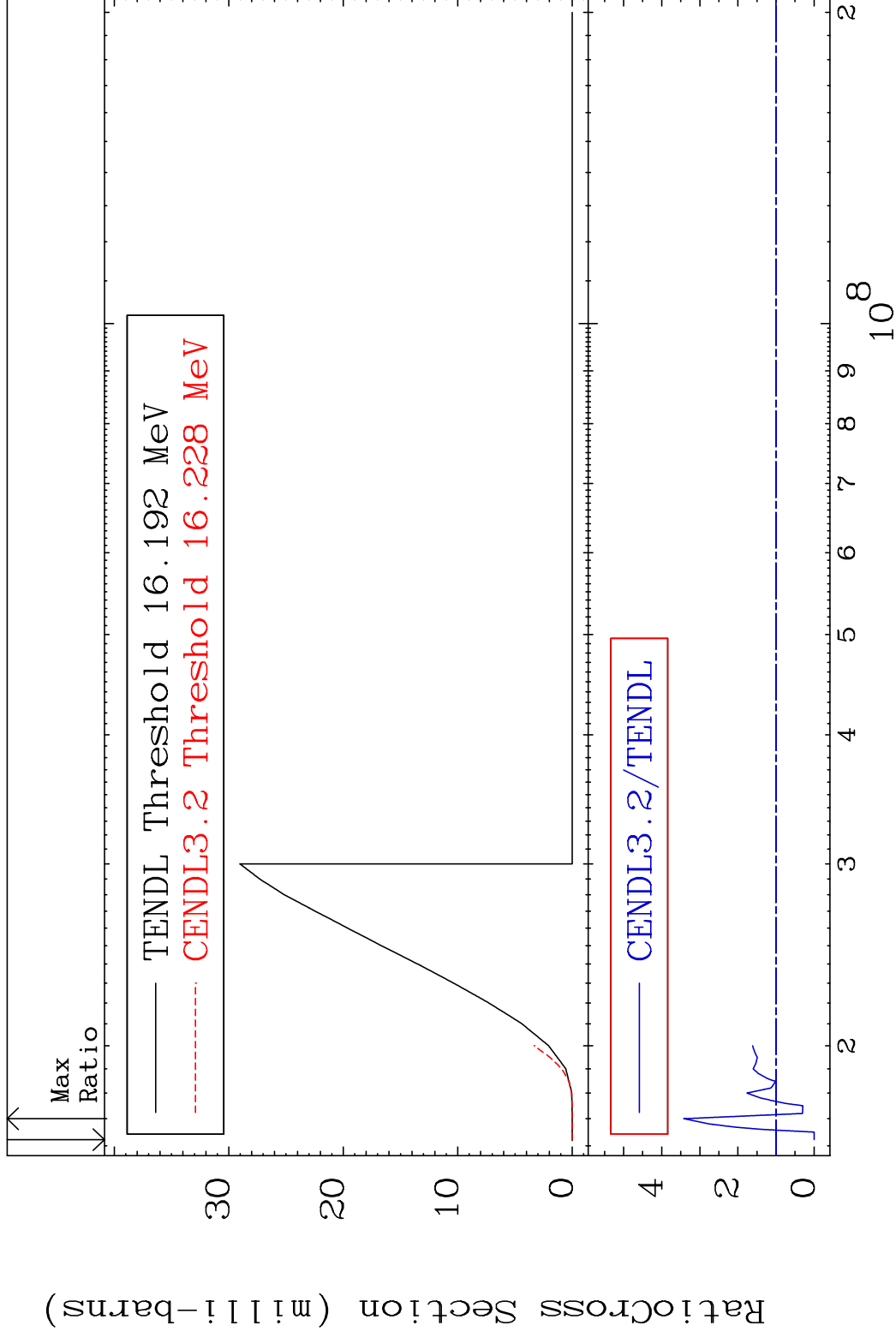
6 Incident Energy (eV) 15-P -31

MAT 1525

(n, n') d

15-P -31

Cross Section -100.0 To 242.4 %

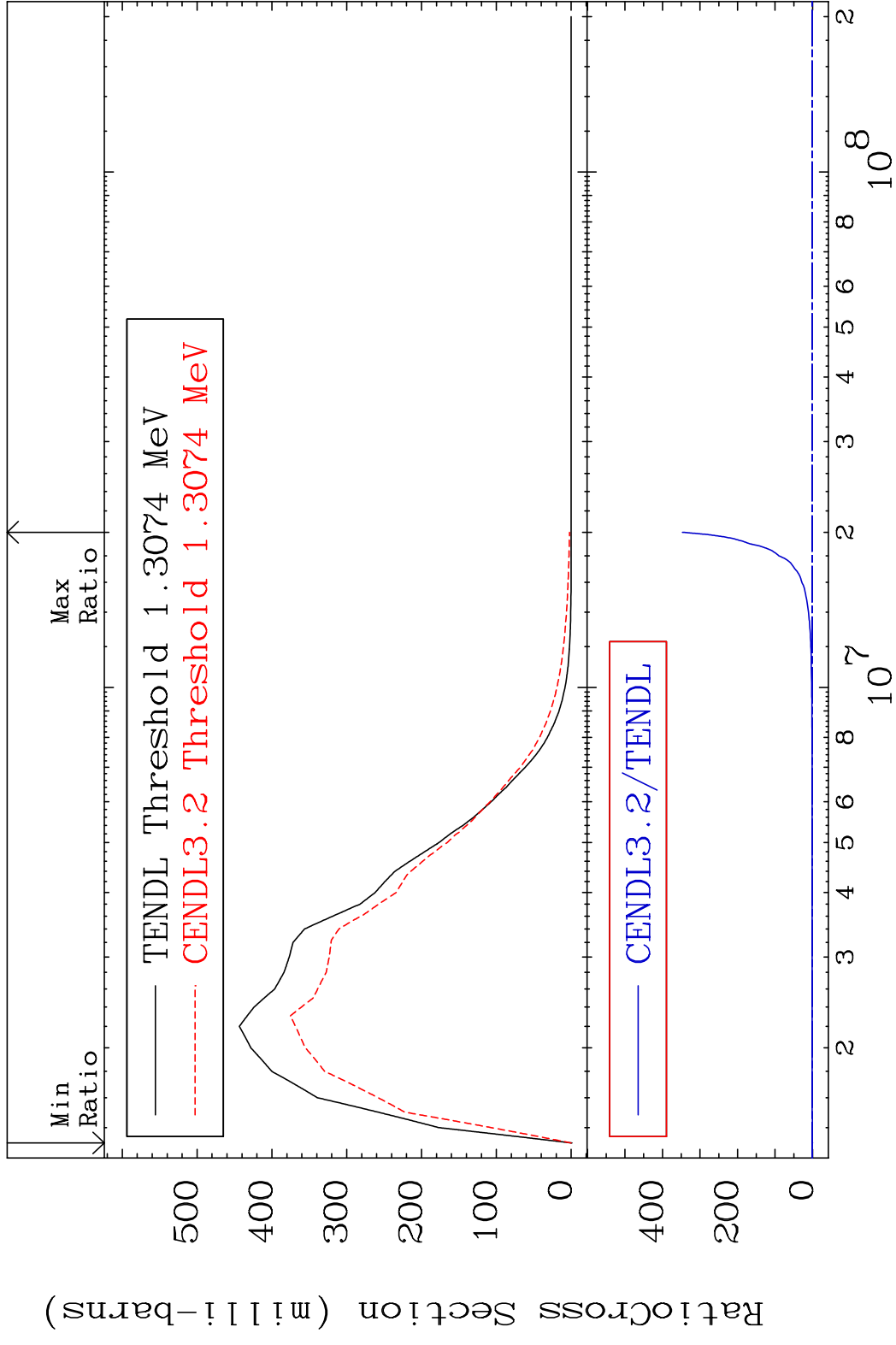


7

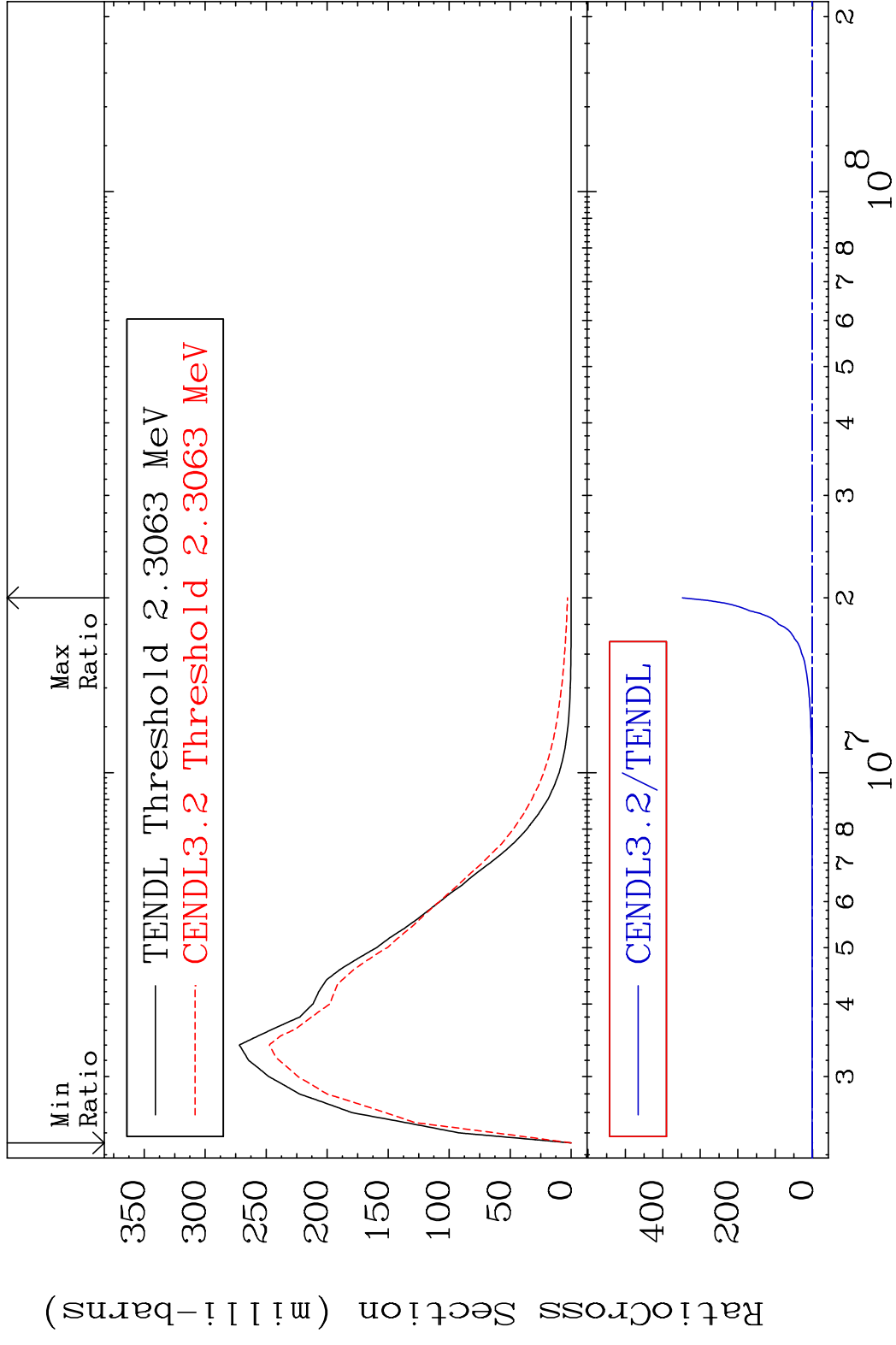
Incident Energy (eV)

15-P -31

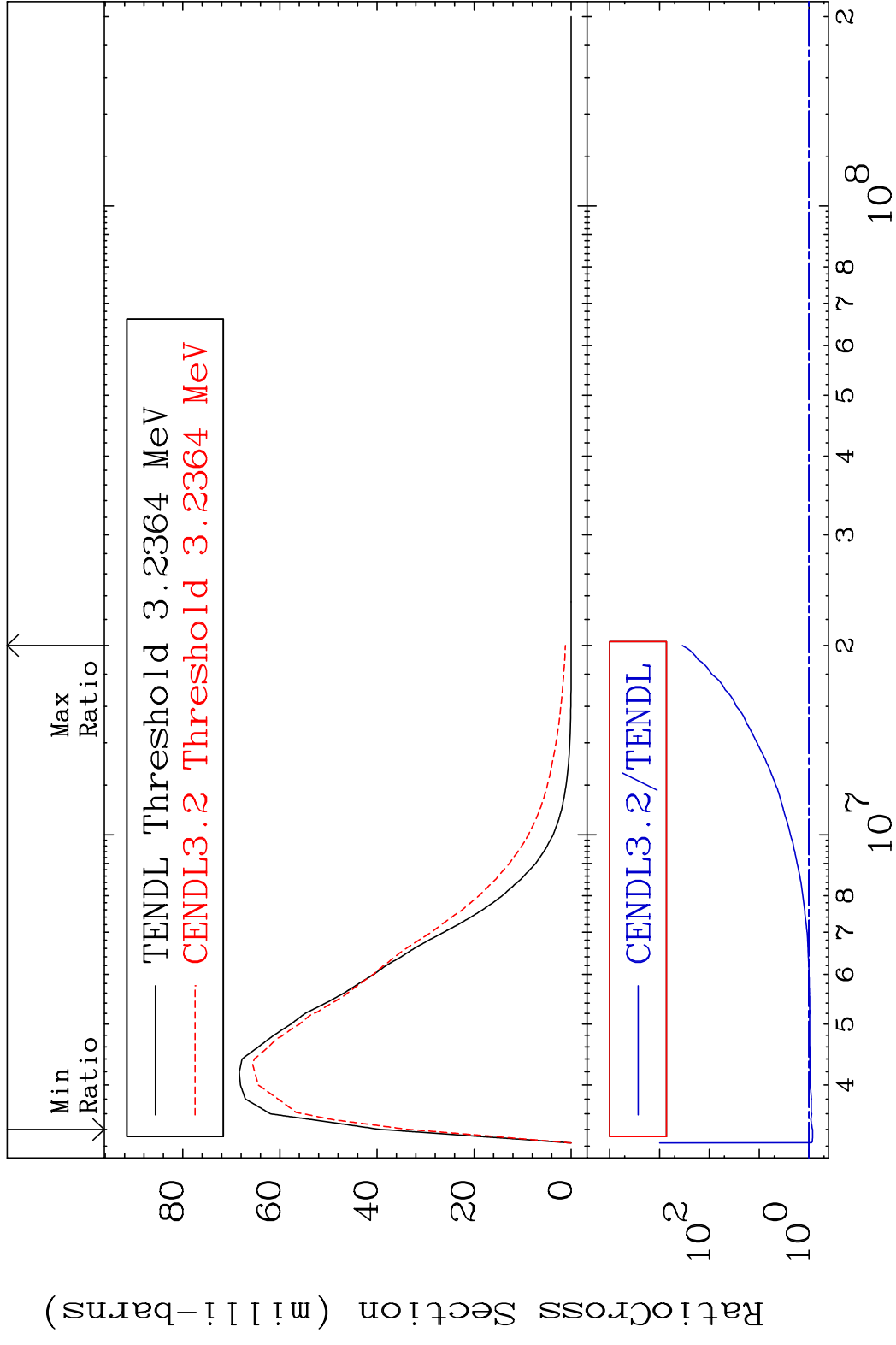
MAT 1525 MT= 51 (n, n') Level 15-P -31
 Cross Section -100.0 To 9999. %



MAT 1525 MT= 52 (n, n') Level 15-P -31
 Cross Section -100.0 To 9999. %

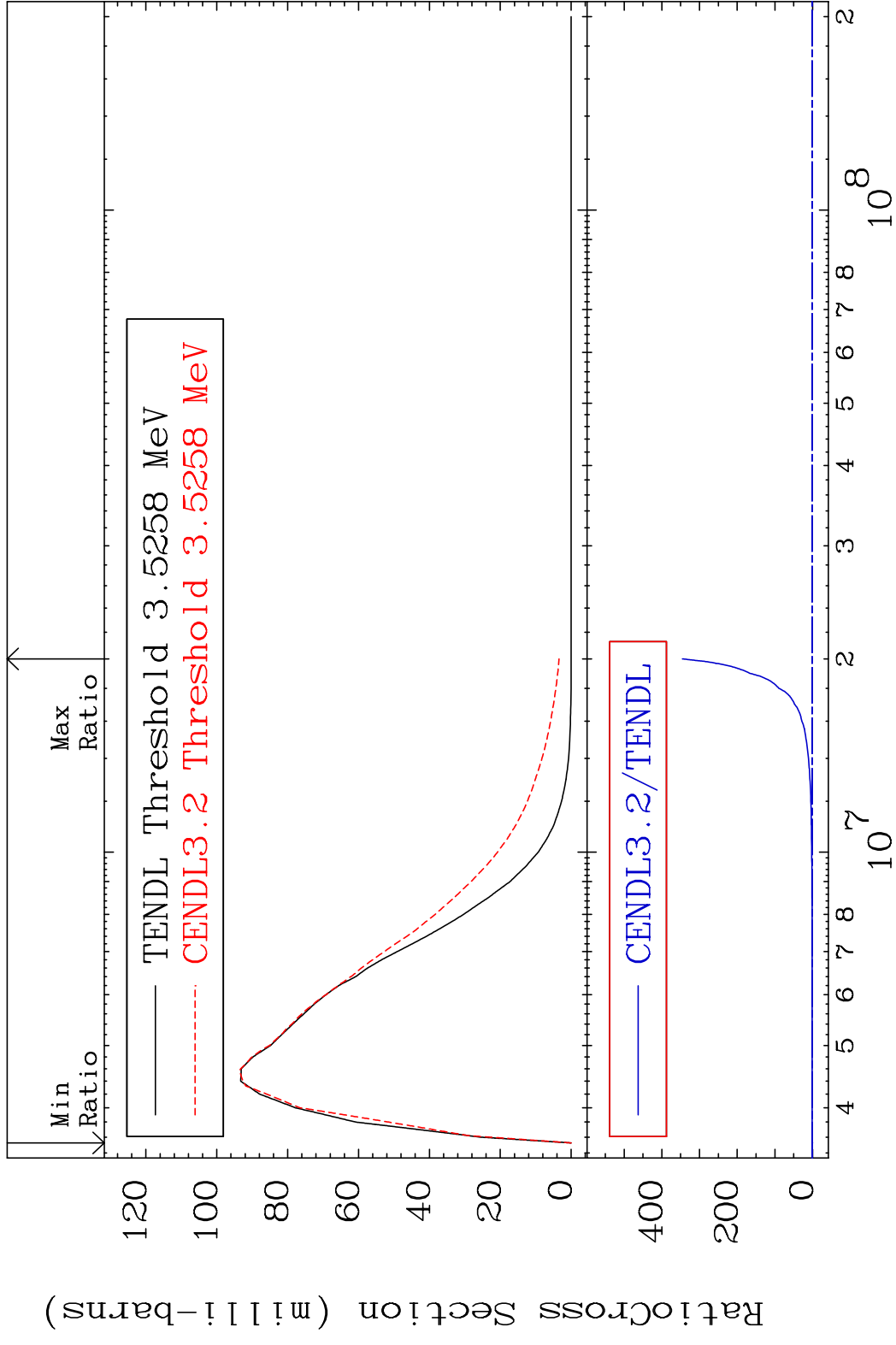


MAT 1525 MT= 53 (n, n') Level 15-P -31
 Cross Section -14.90 To 9999. %

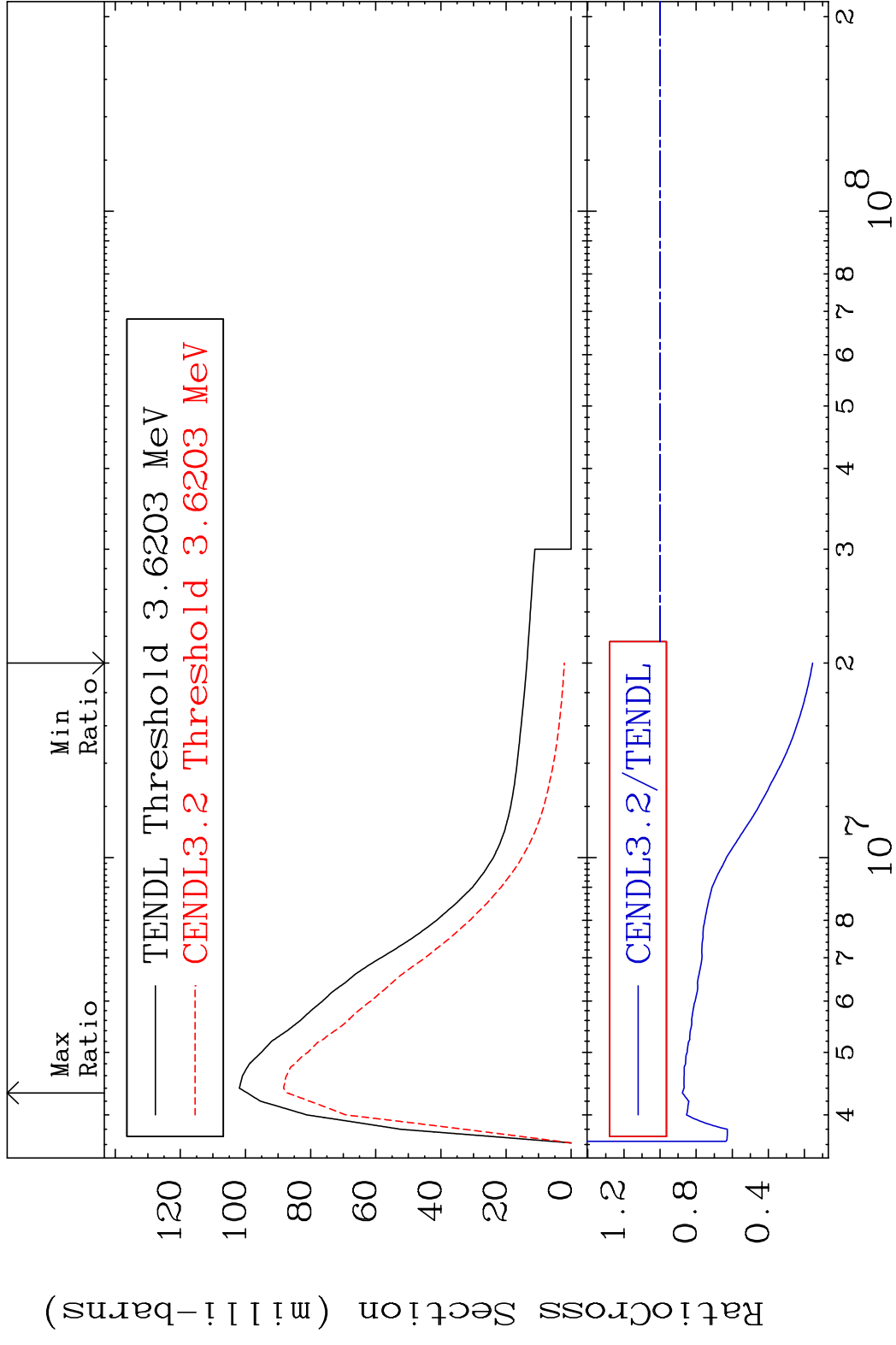


10 Incident Energy (eV) 15-P -31

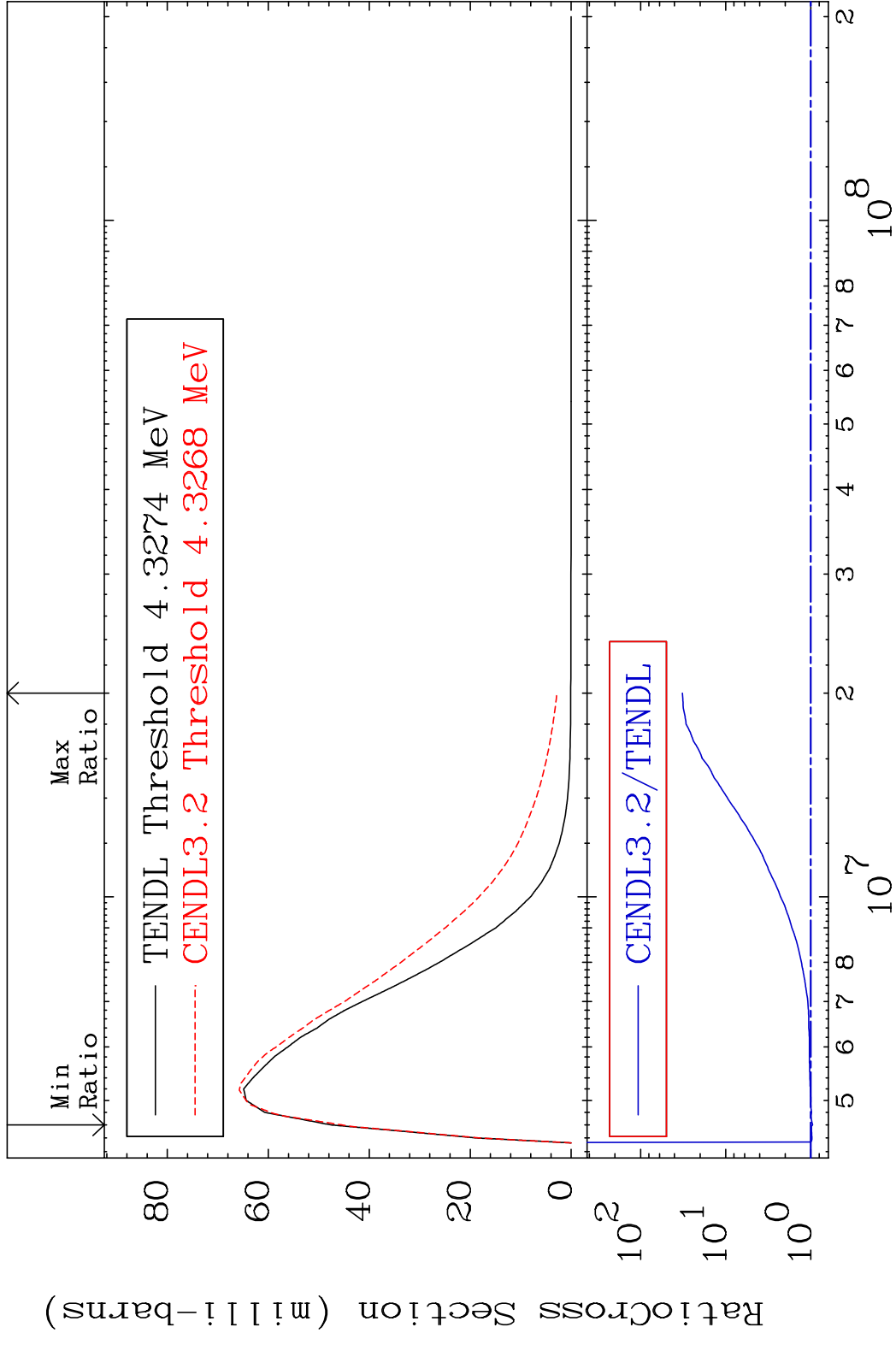
MAT 1525 MT= 55 (n,n') Level 15-P -31
 Cross Section -100.0 To 9999. %



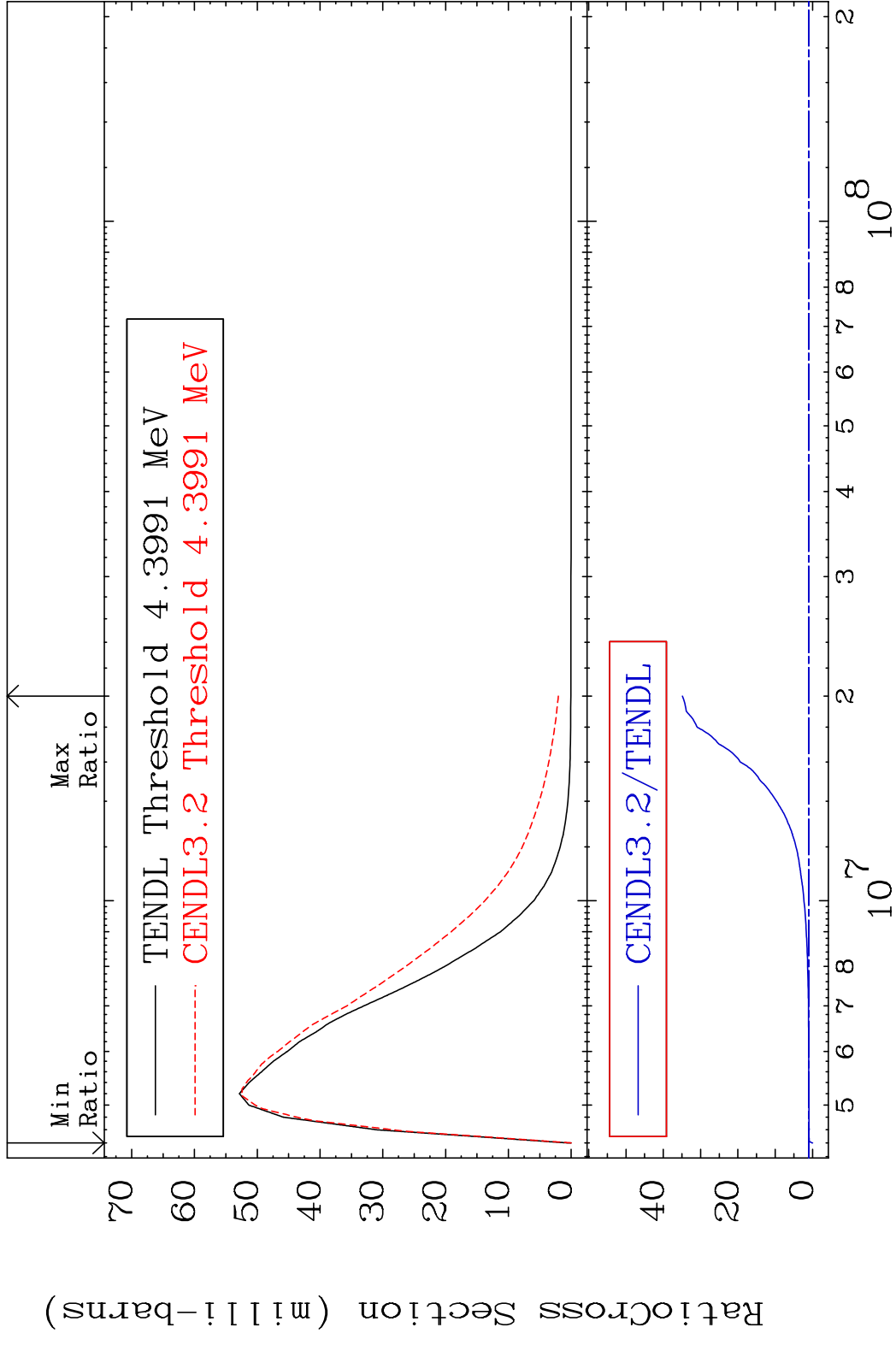
MAT 1525 MT= 56 (n,n') Level 15-P -31
 Cross Section -84.46 To -12.36%



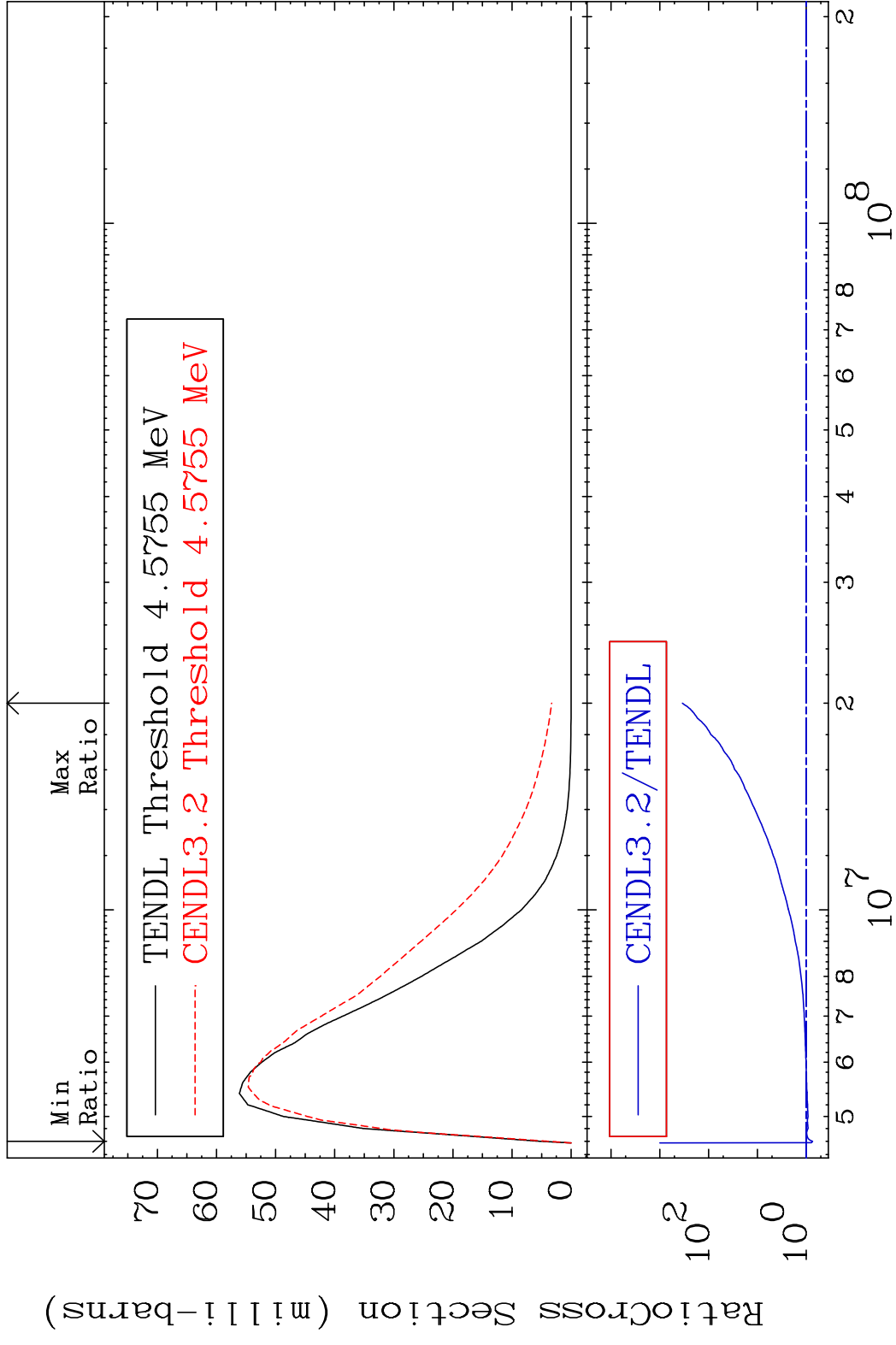
MAT 1525 MT= 57 (n, n') Level 15-P -31
 Cross Section -4.483 To 3134. %



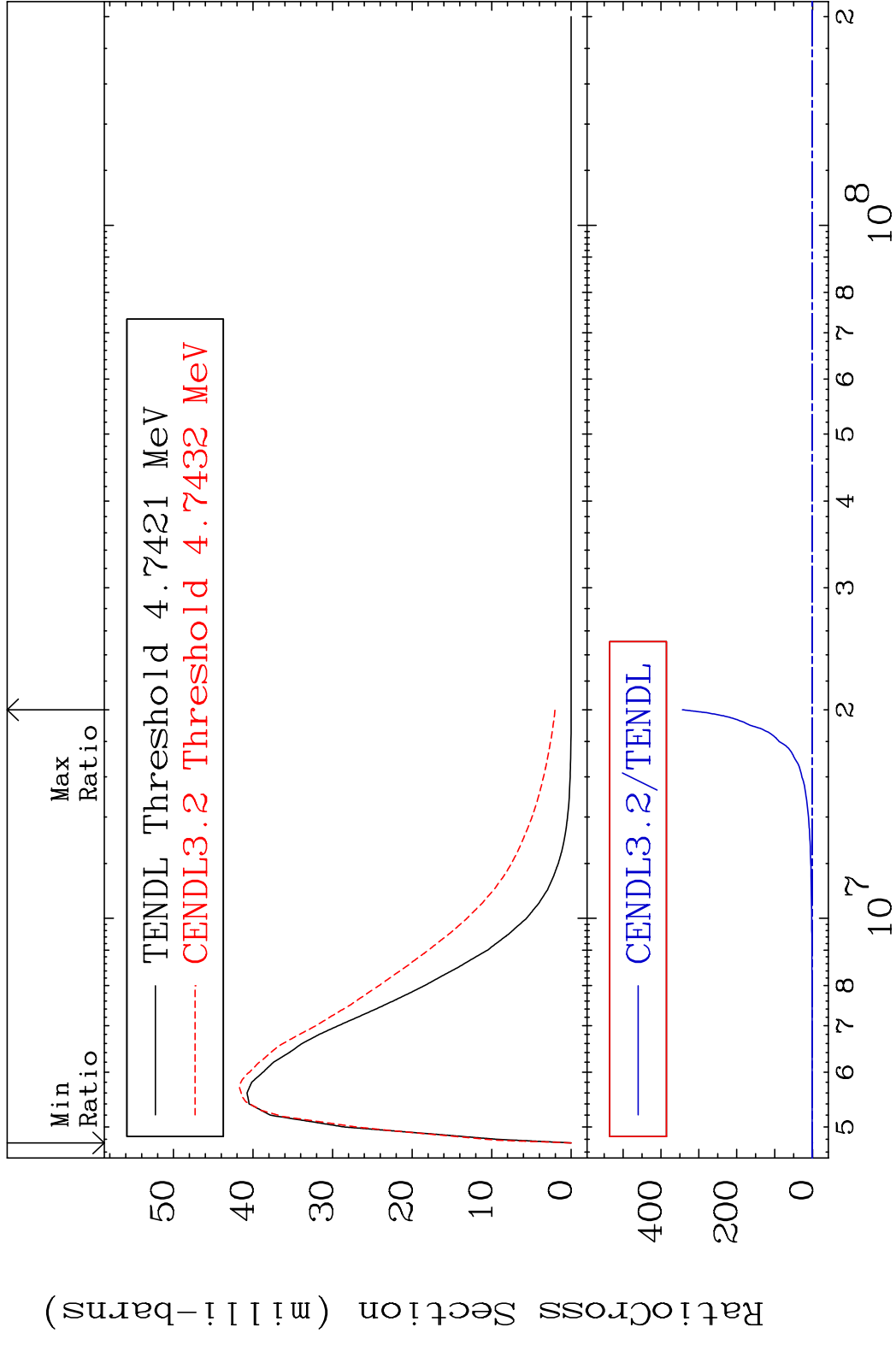
MAT 1525 MT= 58 (n, n') Level 15-P -31
 Cross Section -100.0 To 3389. %



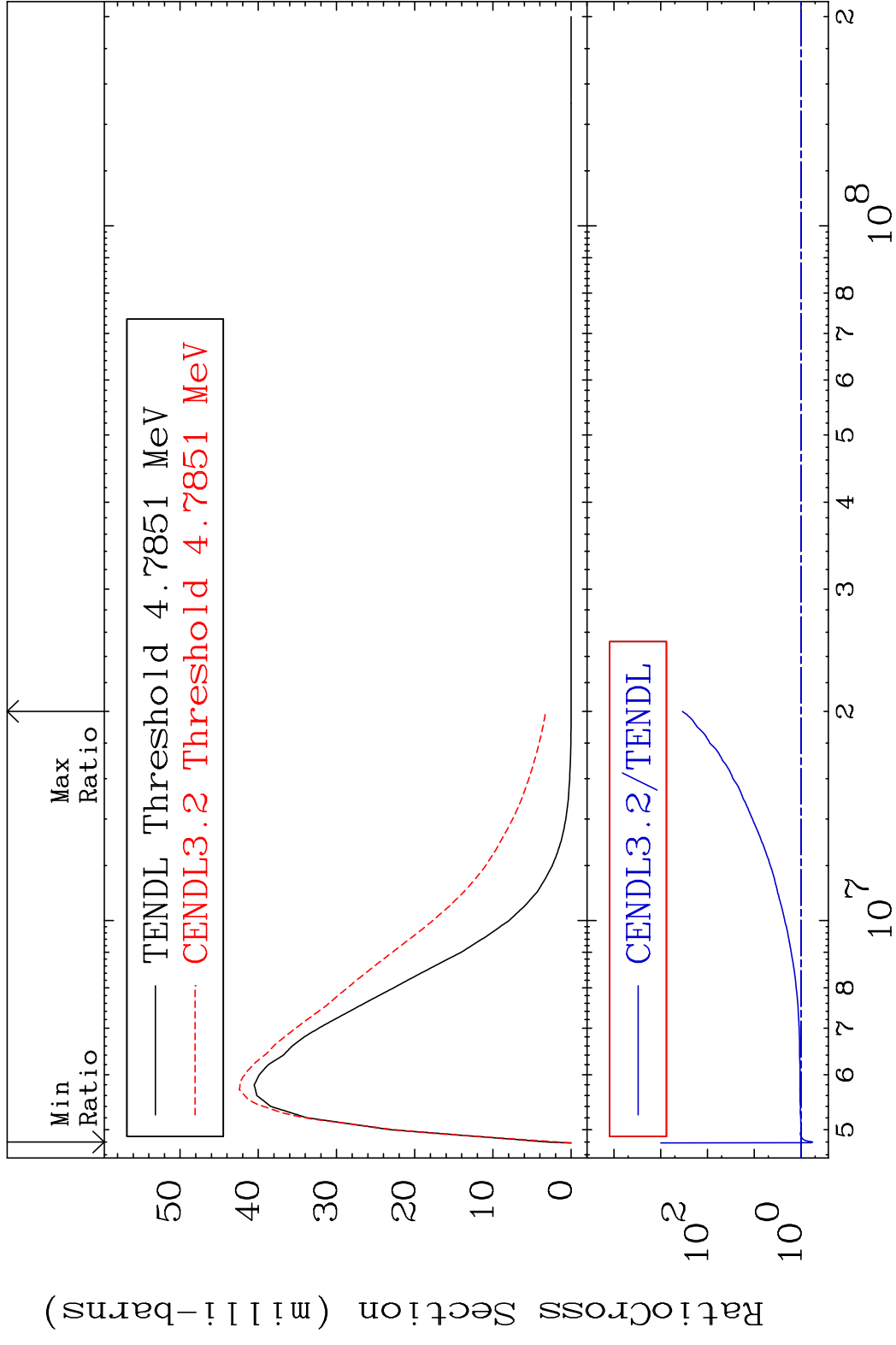
MAT 1525 MT= 59 (n,n') Level 15-P -31
 Cross Section -25.96 To 9999. %



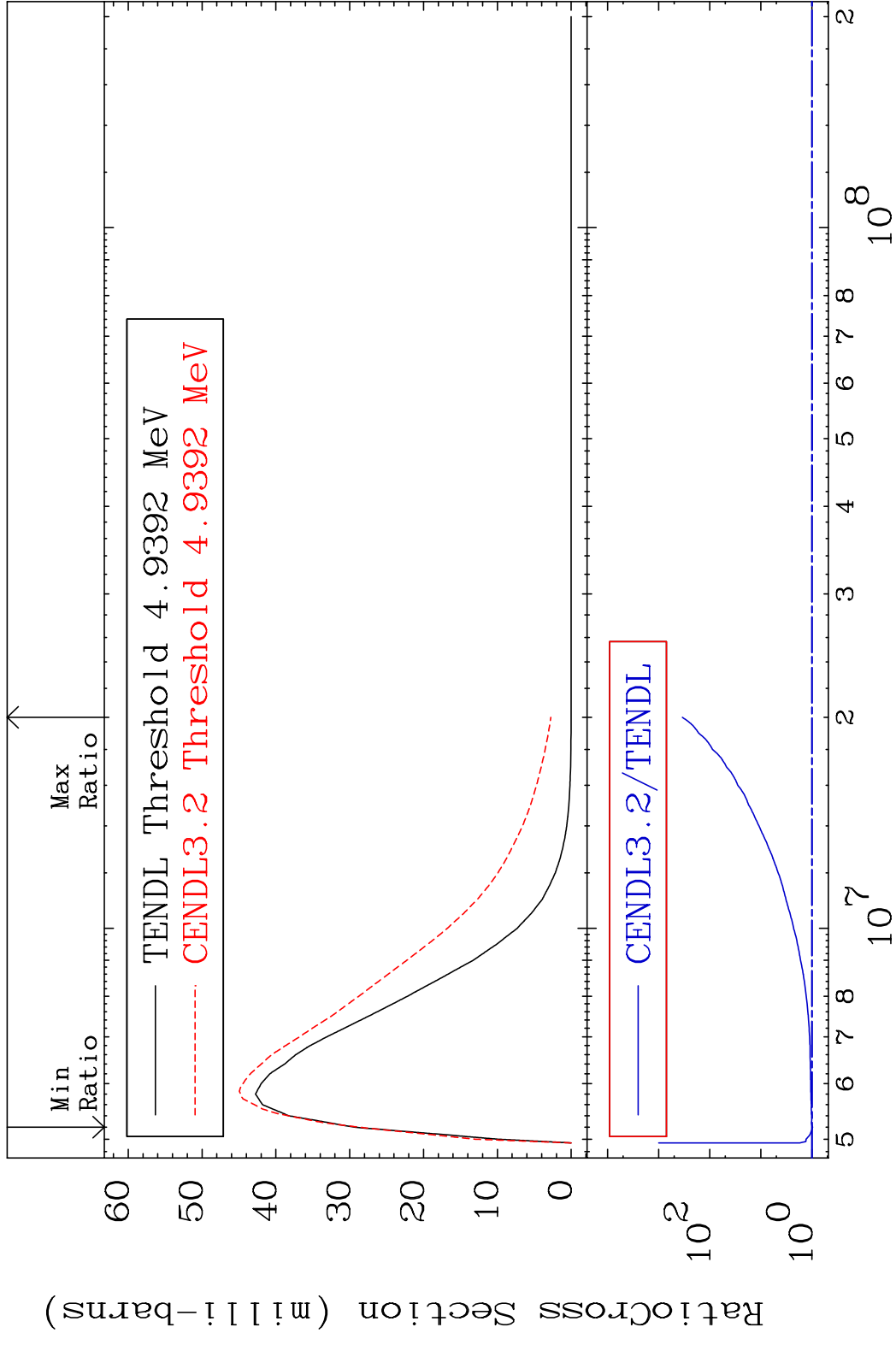
MAT 1525 MT= 60 (n,n') Level 15-P -31
 Cross Section -100.0 To 9999. %



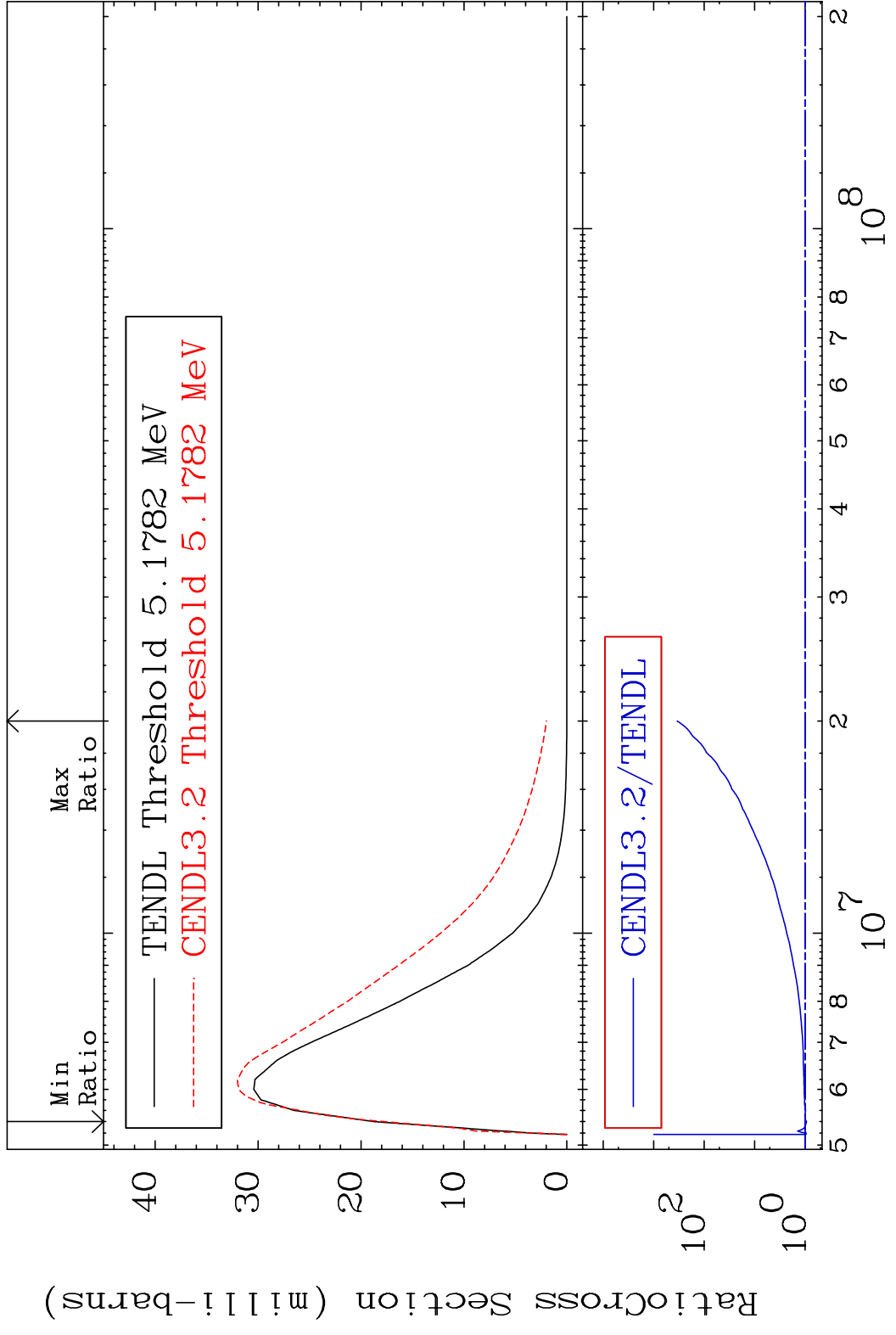
MAT 1525 MT= 61 (n,n') Level 15-P -31
 Cross Section -43.57 To 9999. %



MAT 1525 MT= 62 (n,n') Level 15-P -31
 Cross Section -2.456 To 9999. %

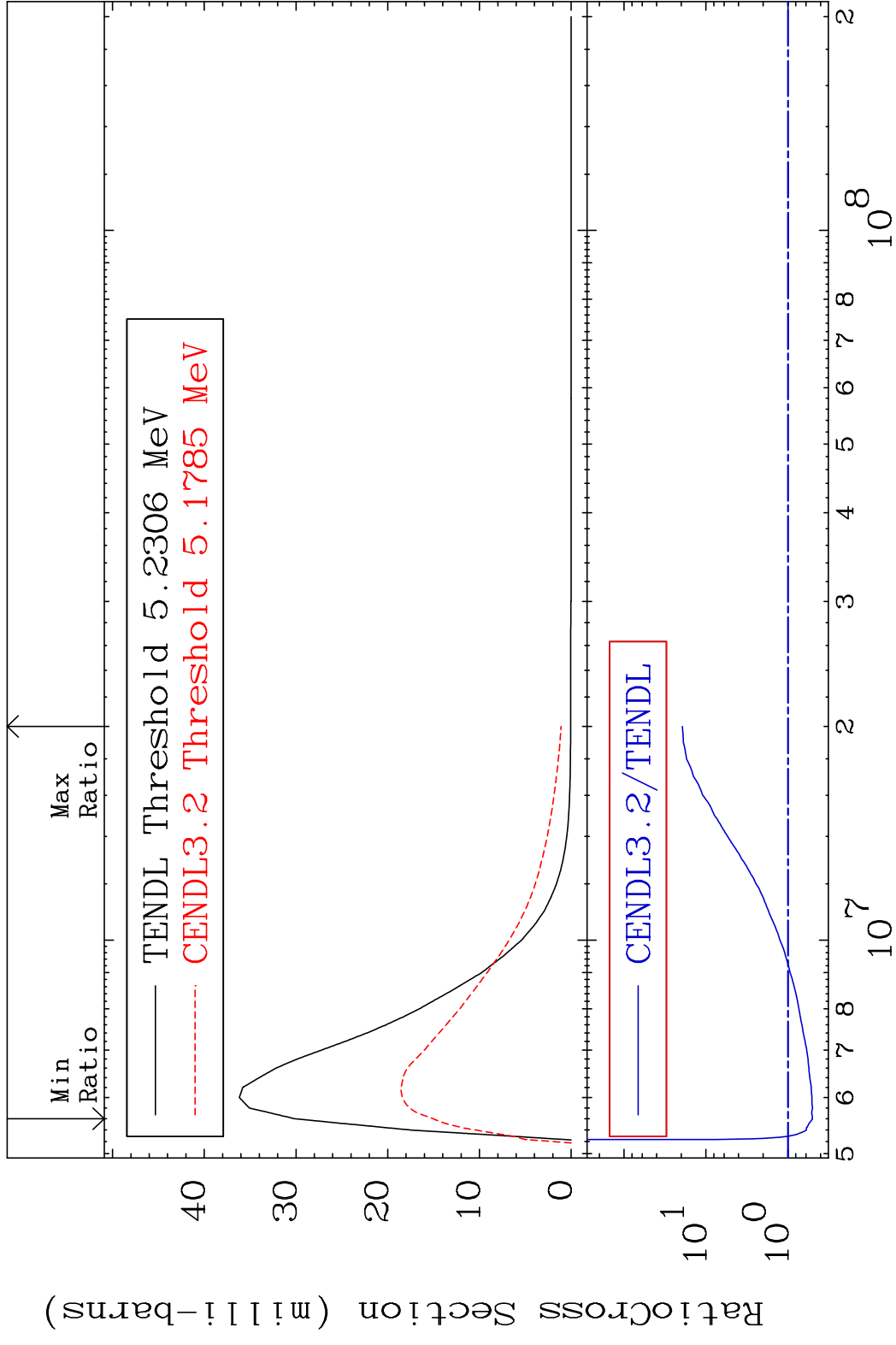


MAT 1525 MT= 63 (n,n') Level 15-P -31
 Cross Section -5.380 To 9999. %

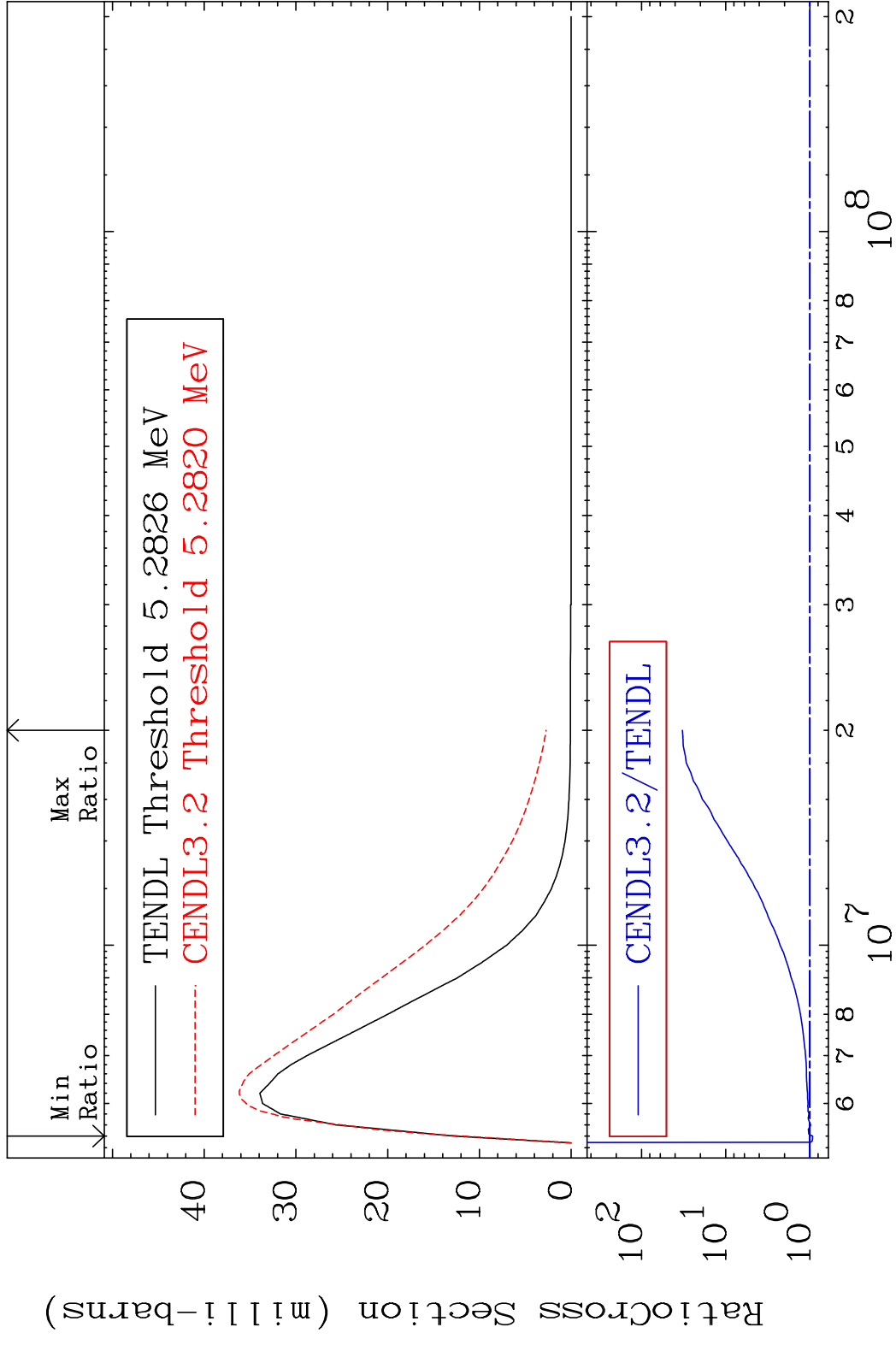


20 Incident Energy (eV) 15-P -31

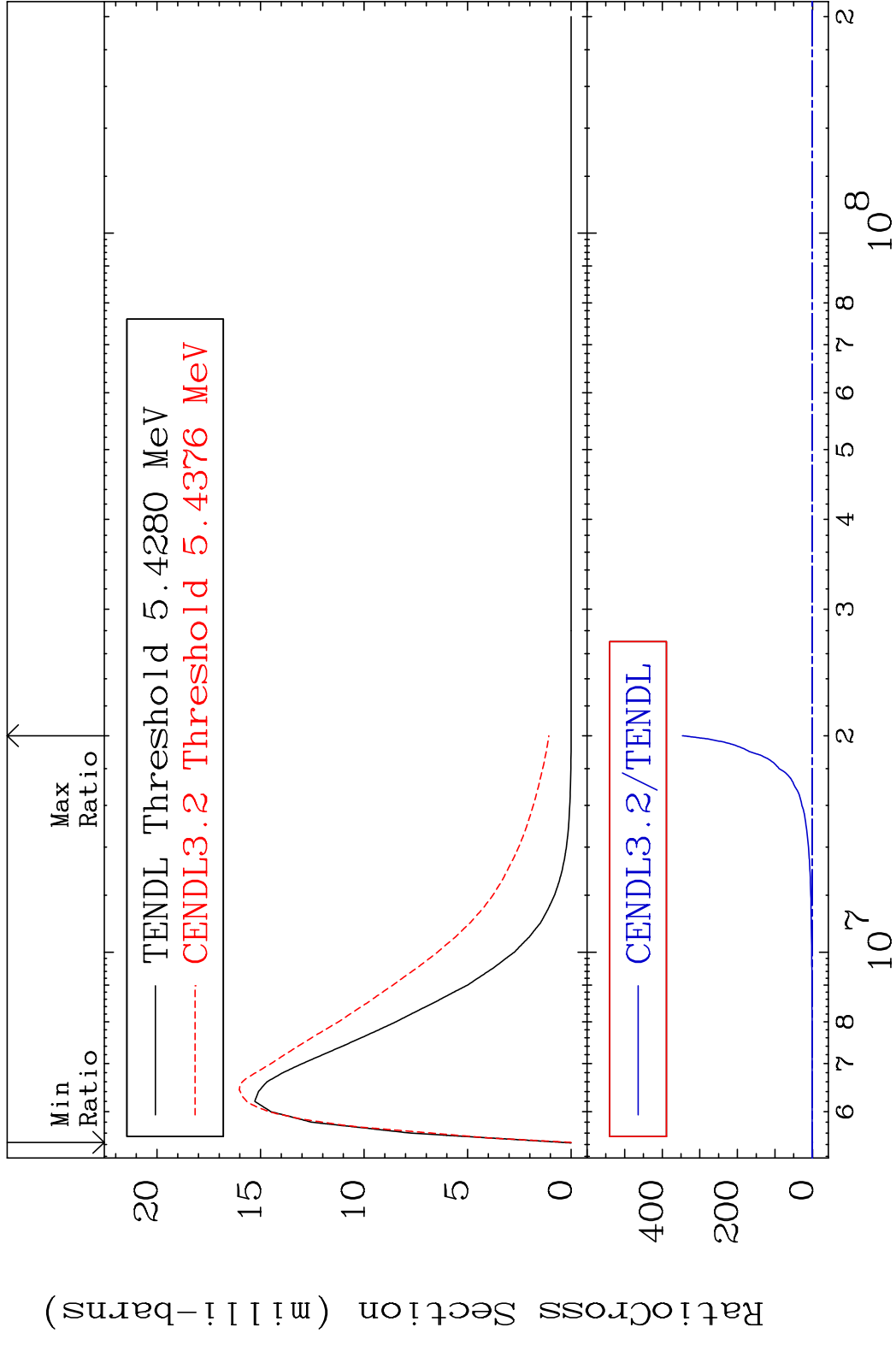
MAT 1525 MT= 64 (n,n') Level 15-P -31
 Cross Section -50.03 To 1840. %



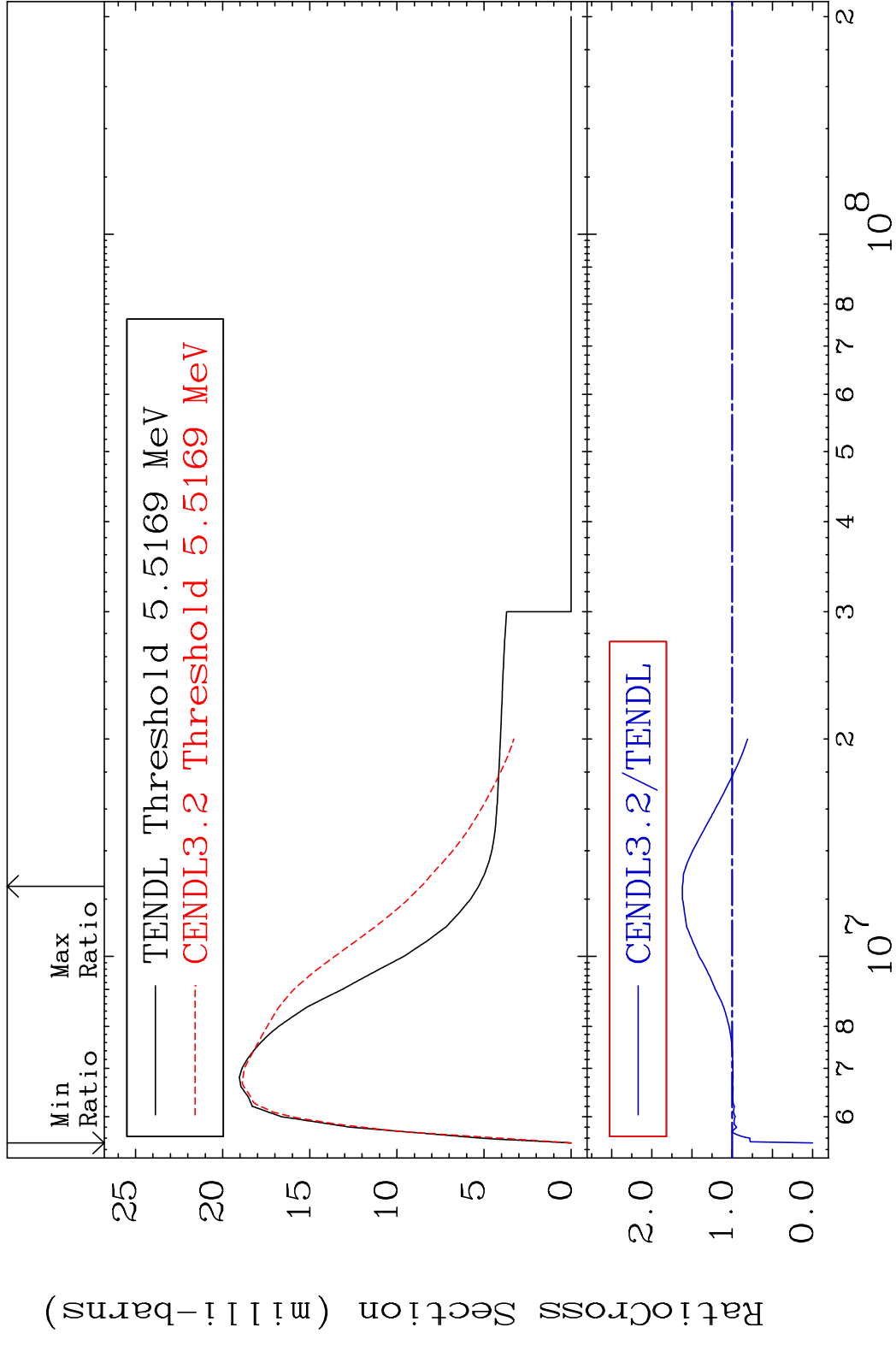
MAT 1525 MT= 65 (n,n') Level 15-P -31
 Cross Section -6.944 To 3180. %



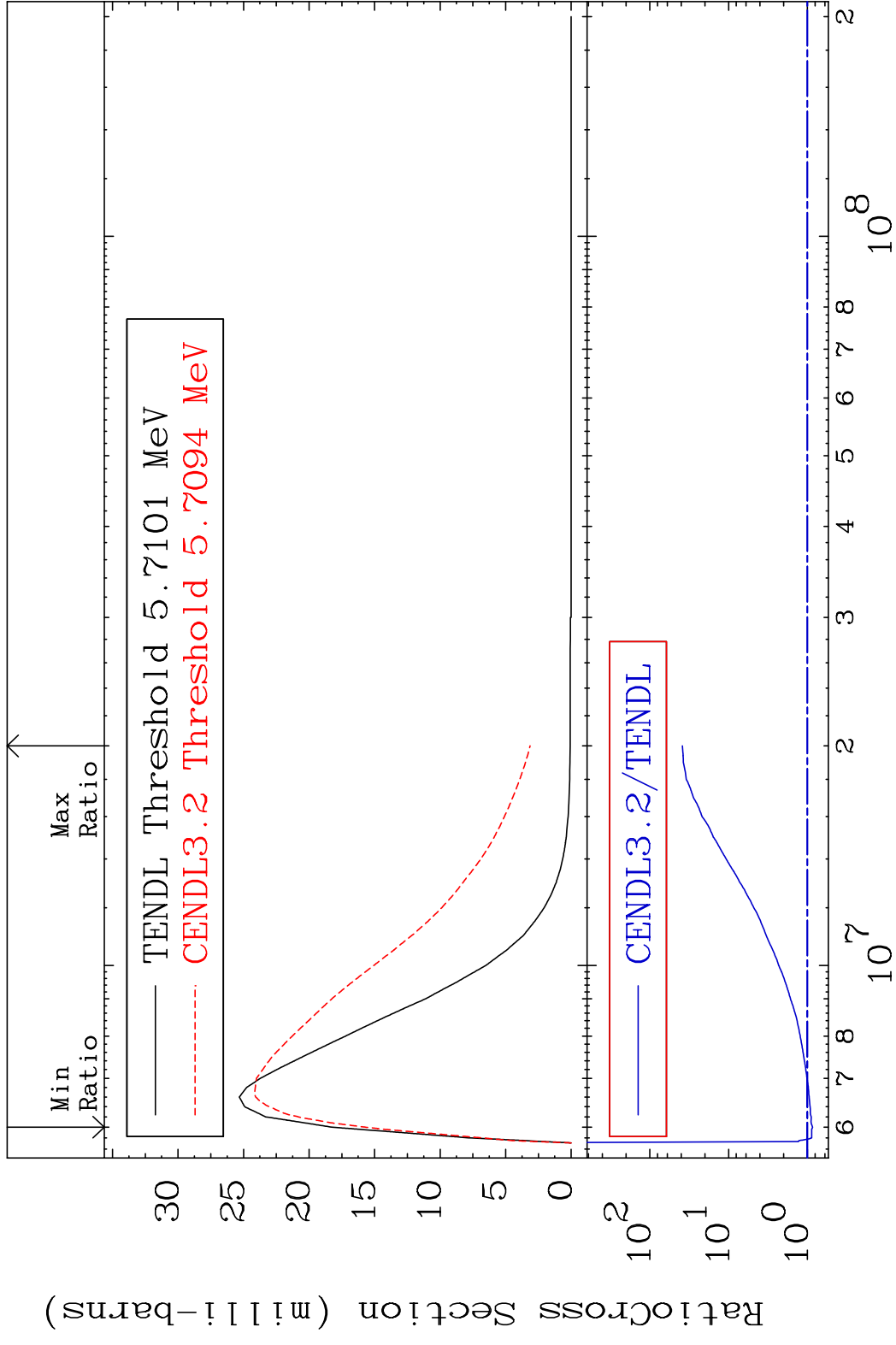
MAT 1525 MT= 66 (n,n') Level 15-P -31
 Cross Section -100.0 To 9999. %



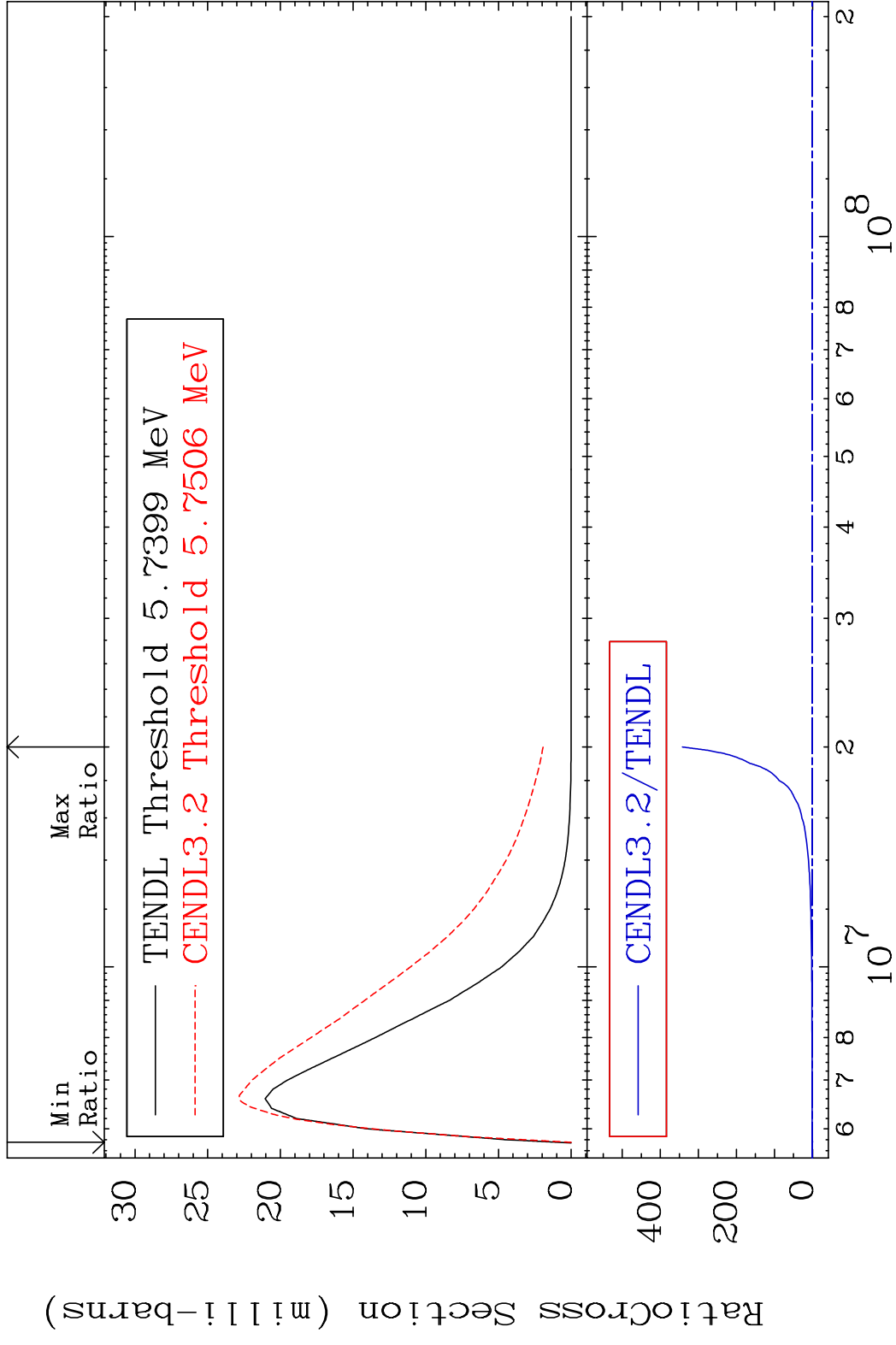
MAT 1525 MT= 67 (n, n') Level 15-P -31
 Cross Section -100.0 To 62.07 %



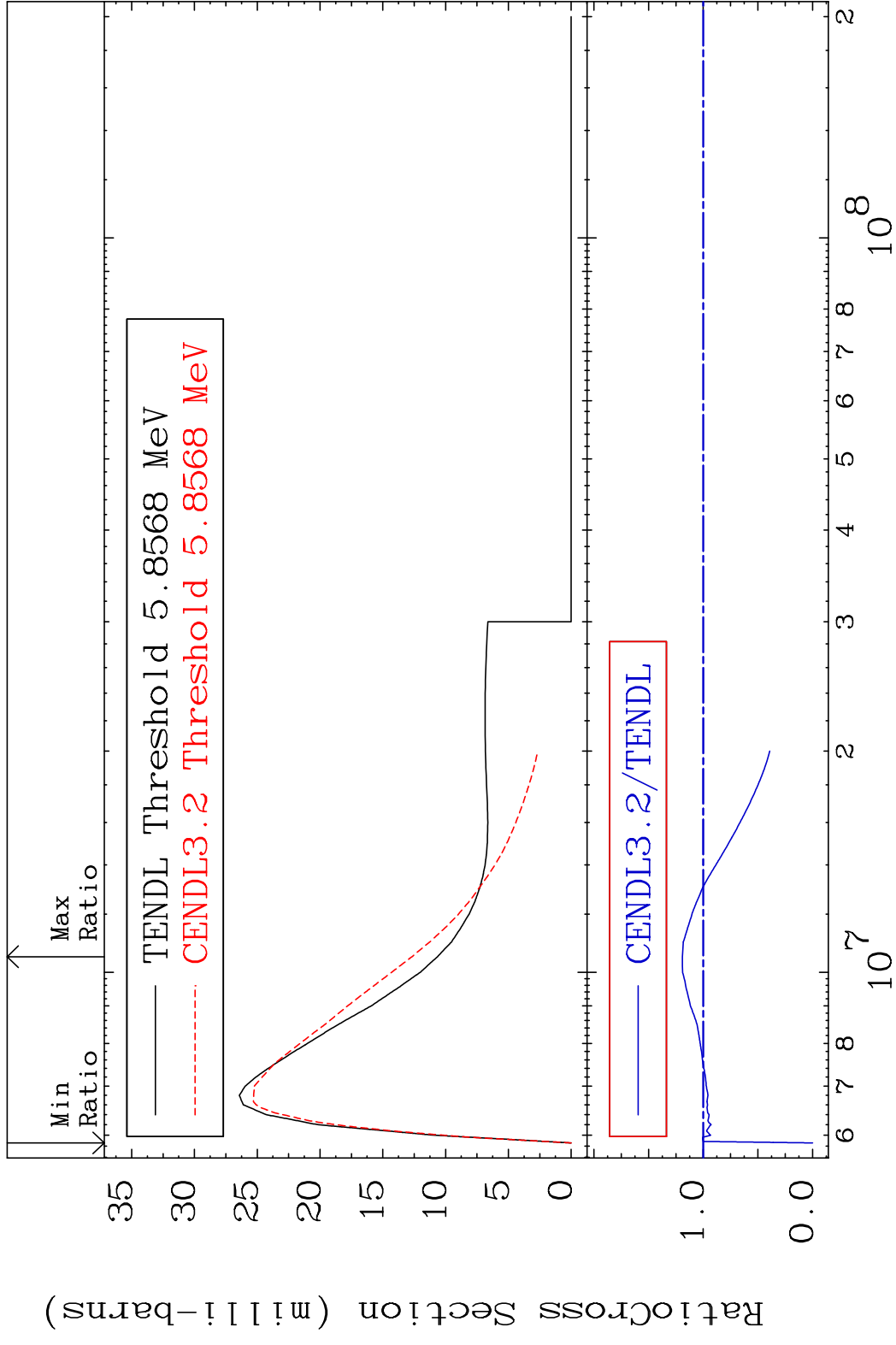
MAT 1525 MT= 68 (n,n') Level 15-P -31
 Cross Section -13.88 To 3767. %



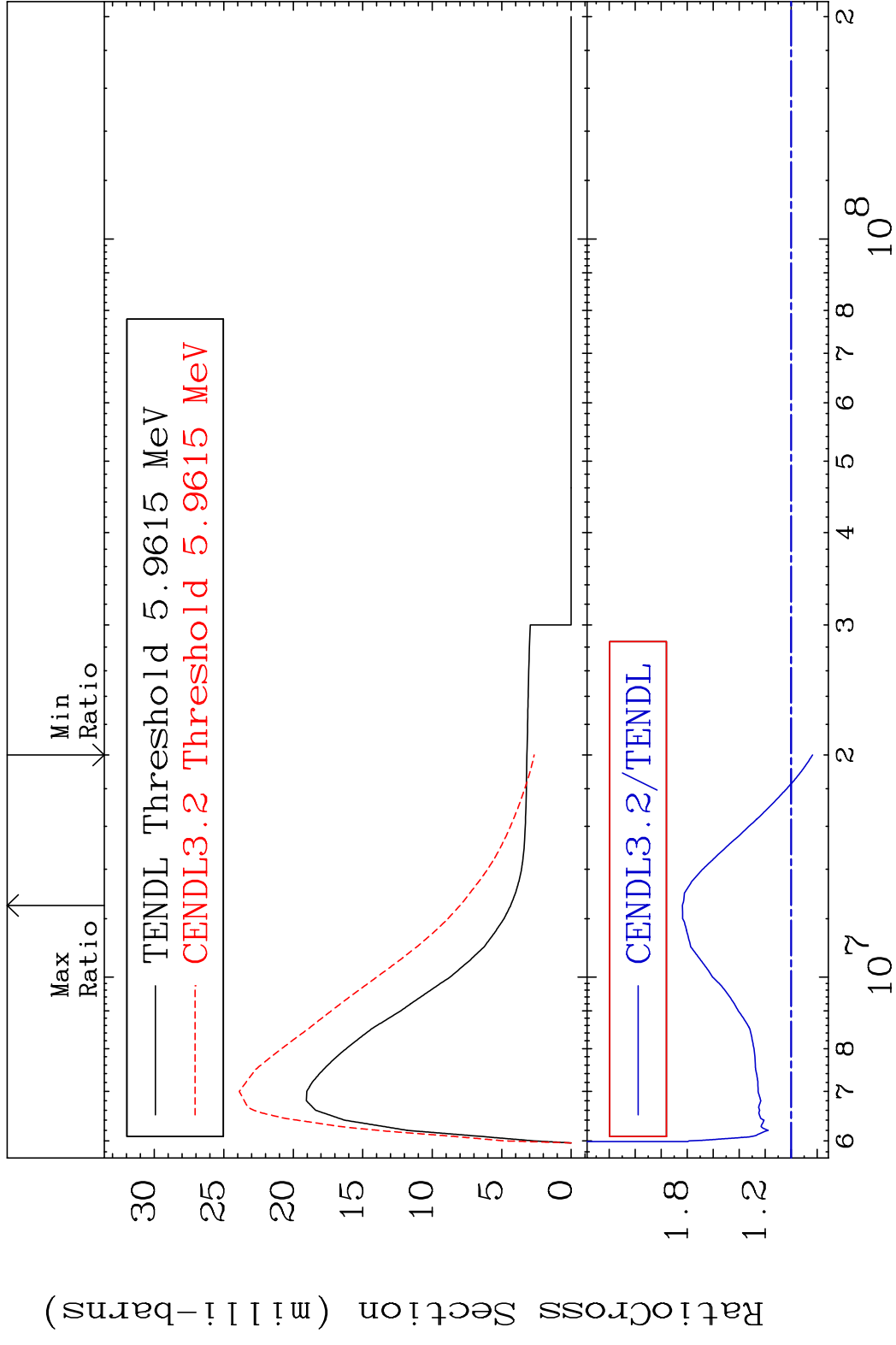
MAT 1525 MT= 69 (n,n') Level 15-P -31
 Cross Section -100.0 To 9999. %



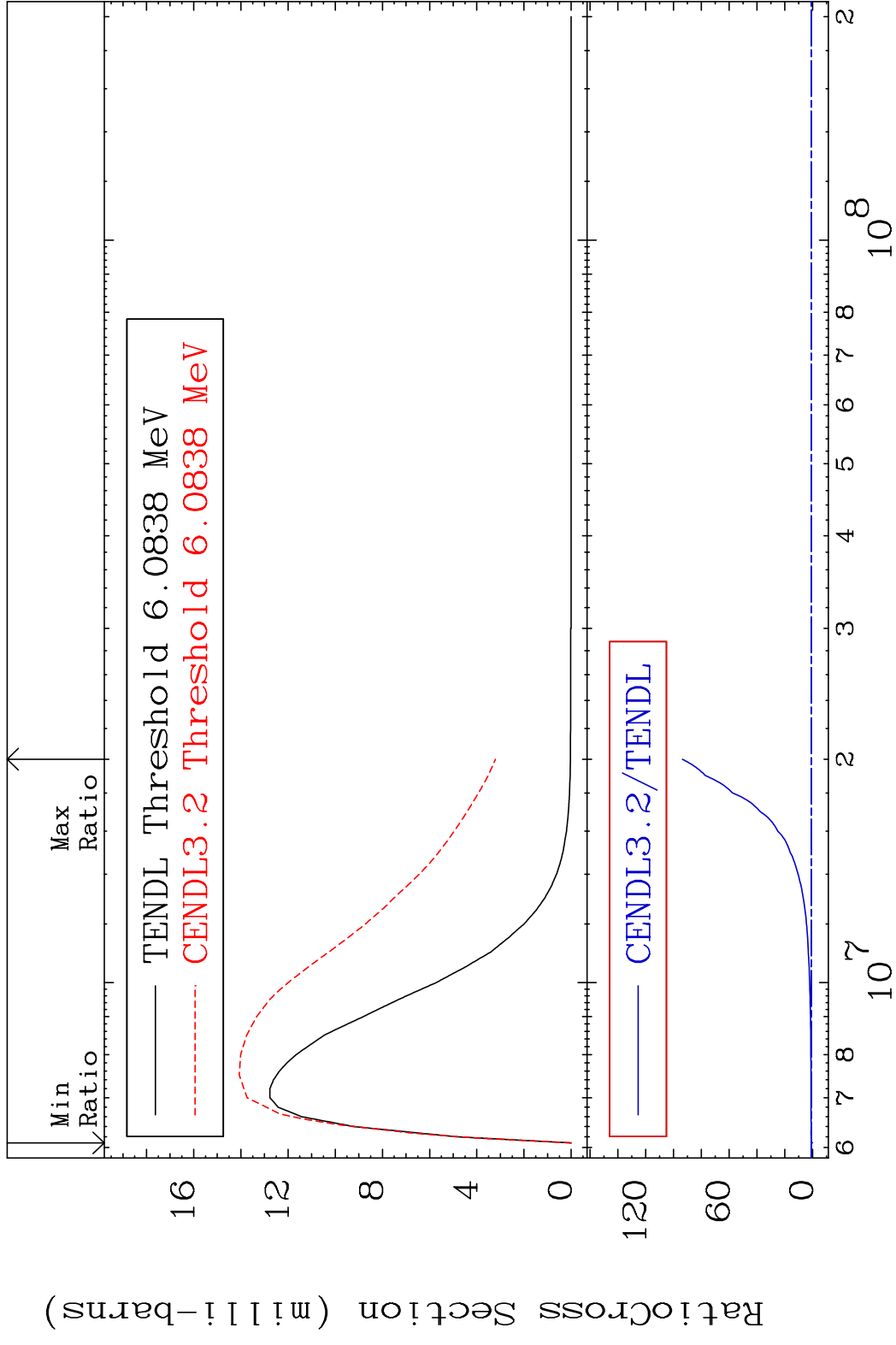
MAT 1525 MT= 70 (n,n') Level 15-P -31
 Cross Section -100.0 To 19.12 %



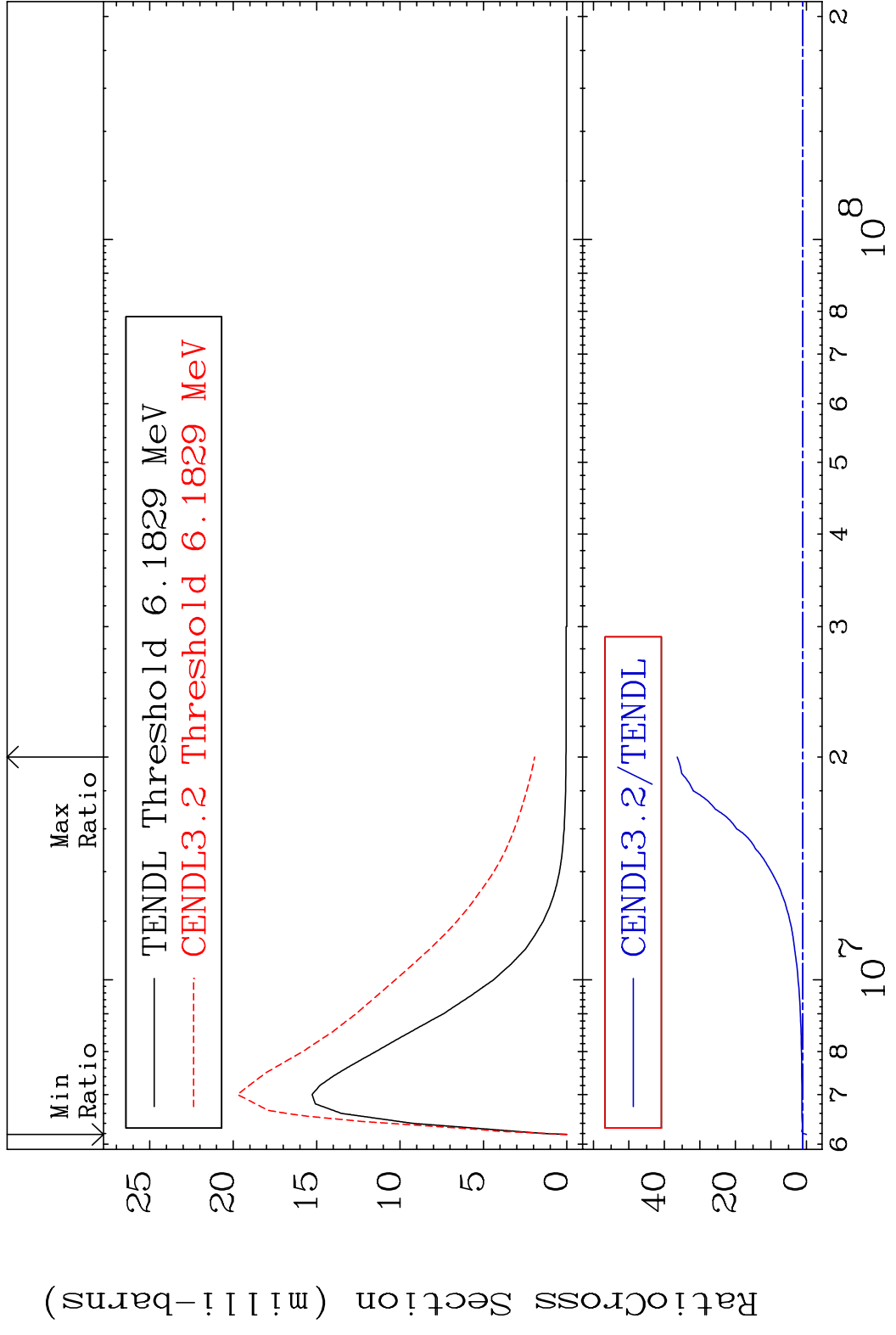
MAT 1525 MT= 71 (n,n') Level 15-P -31
 Cross Section -16.46 To 83.74 %



MAT 1525 MT= 72 (n,n') Level 15-P -31
 Cross Section -100.0 To 9264. %

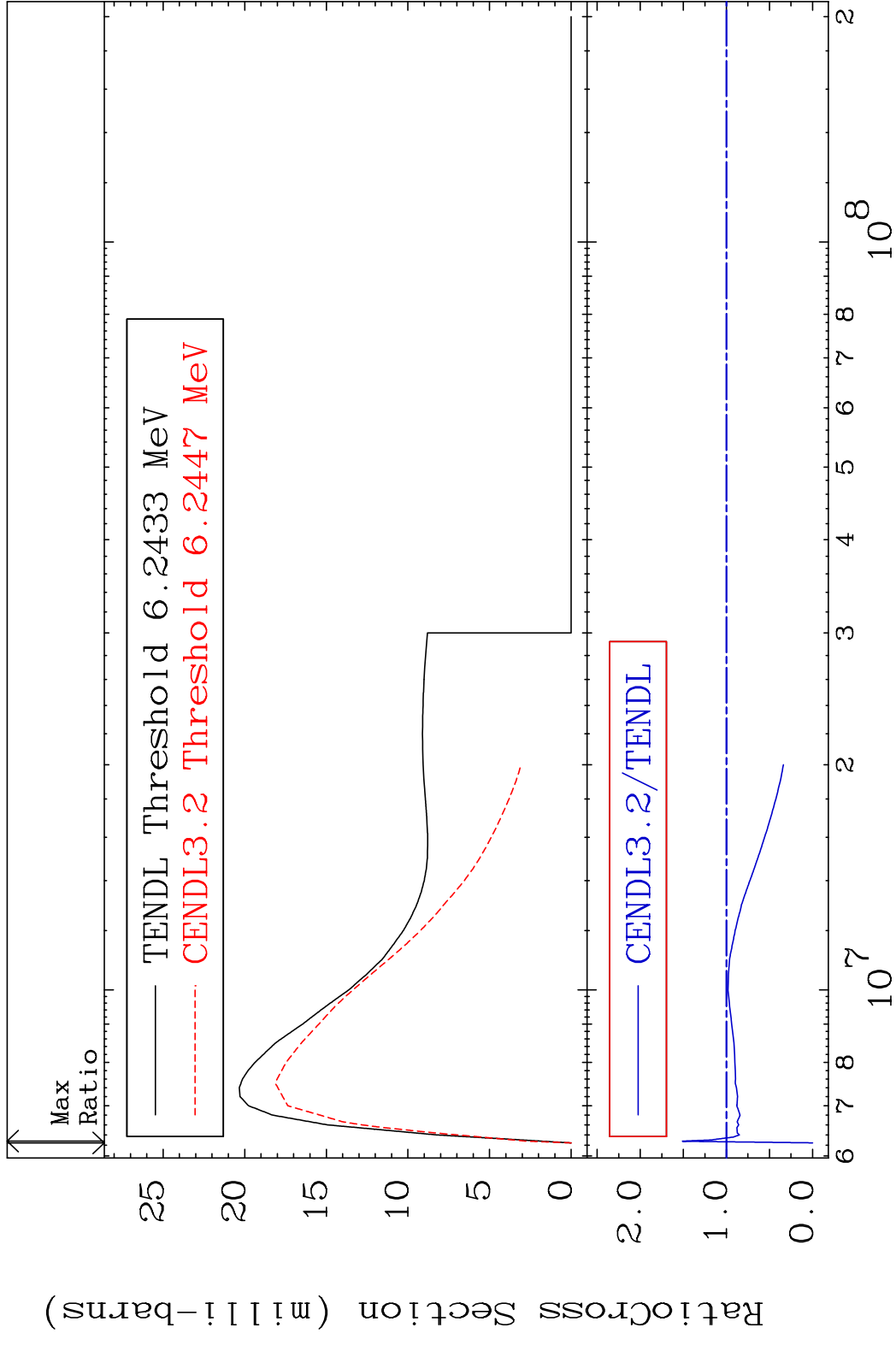


MAT 1525 MT= 73 (n,n') Level 15-P -31
 Cross Section -100.0 To 3540. %

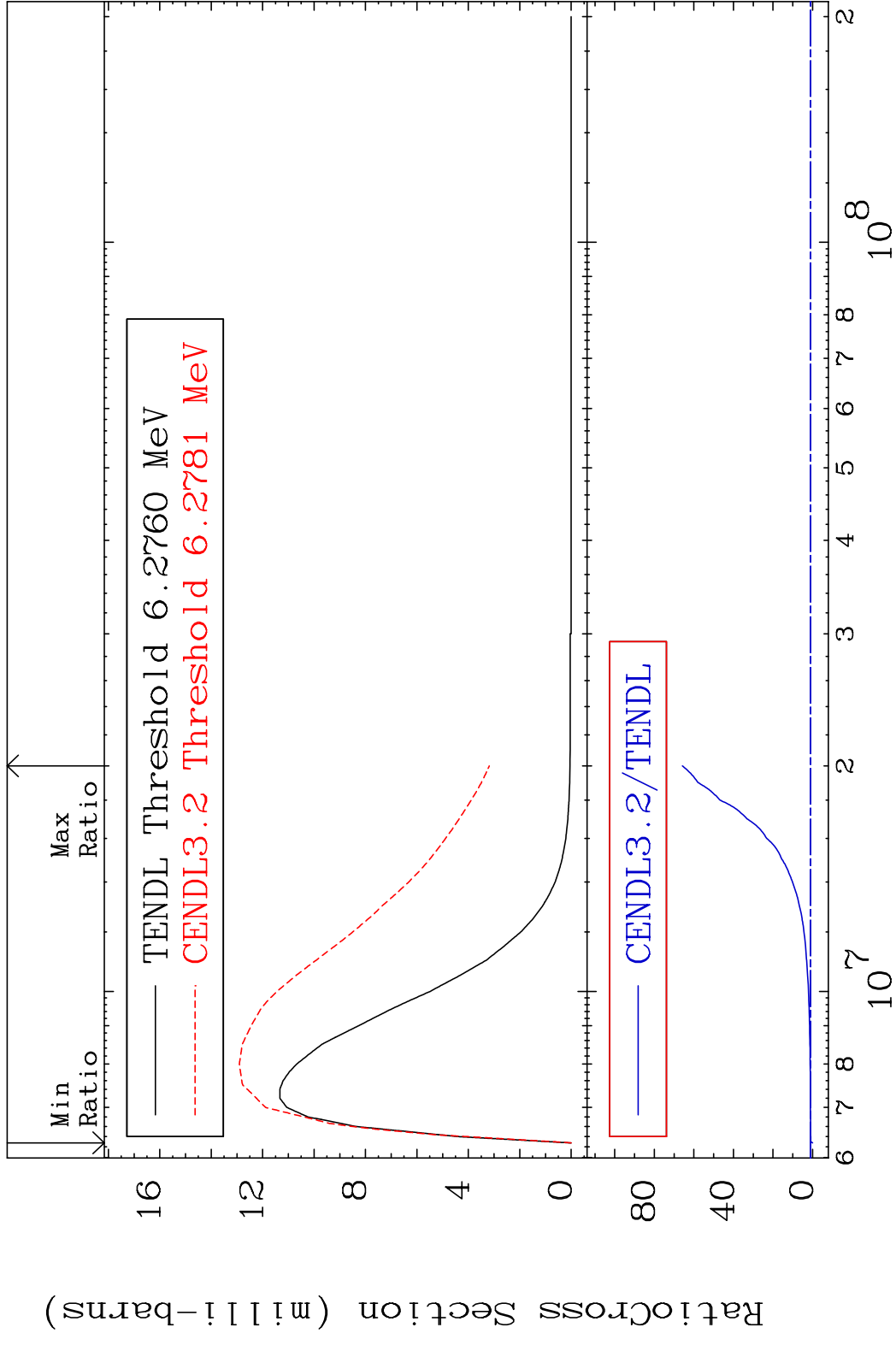


30 Incident Energy (eV) 15-P -31

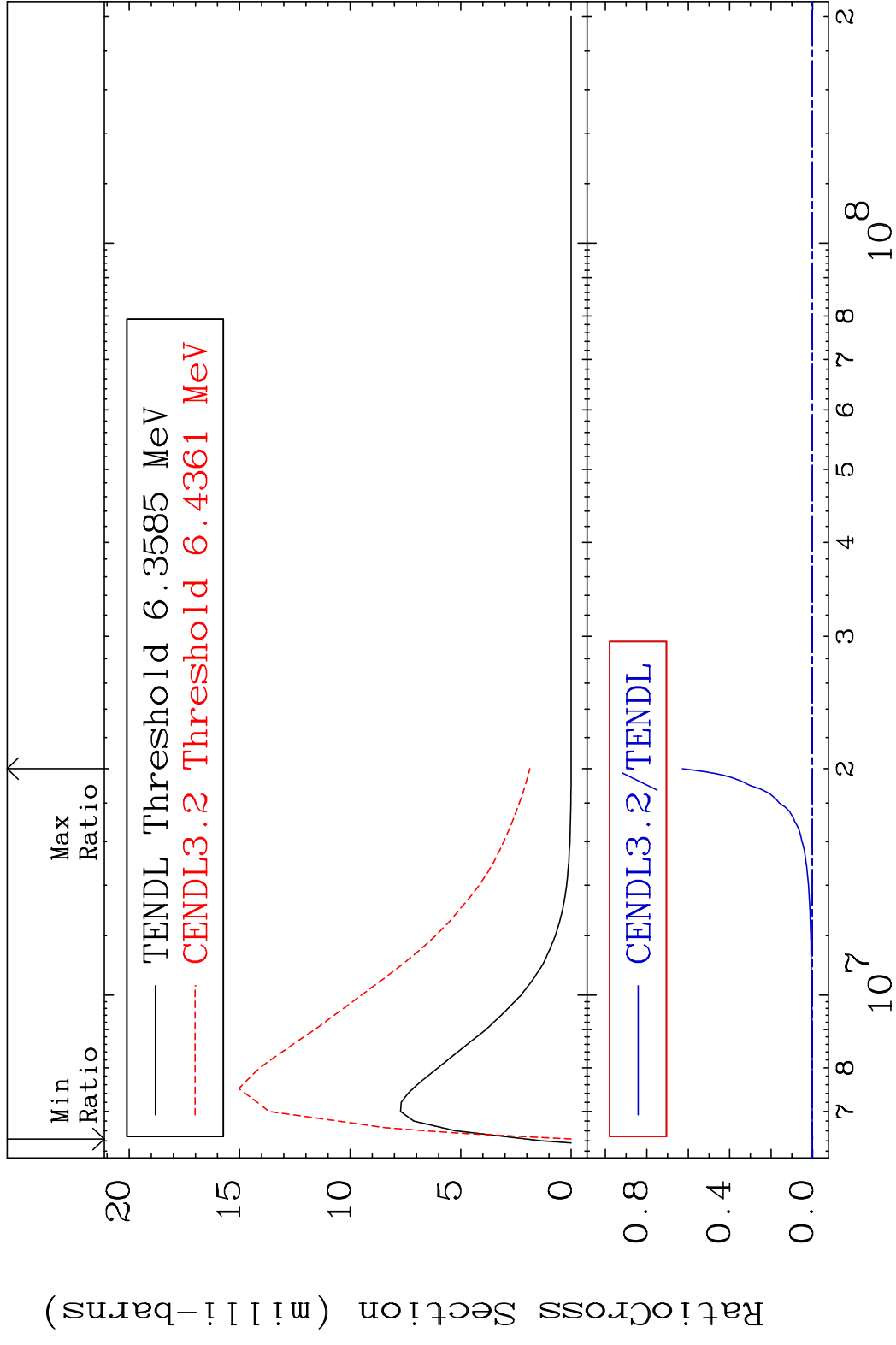
MAT 1525 MT= 74 (n,n') Level 15-P -31
 Cross Section -100.0 To 51.15 %



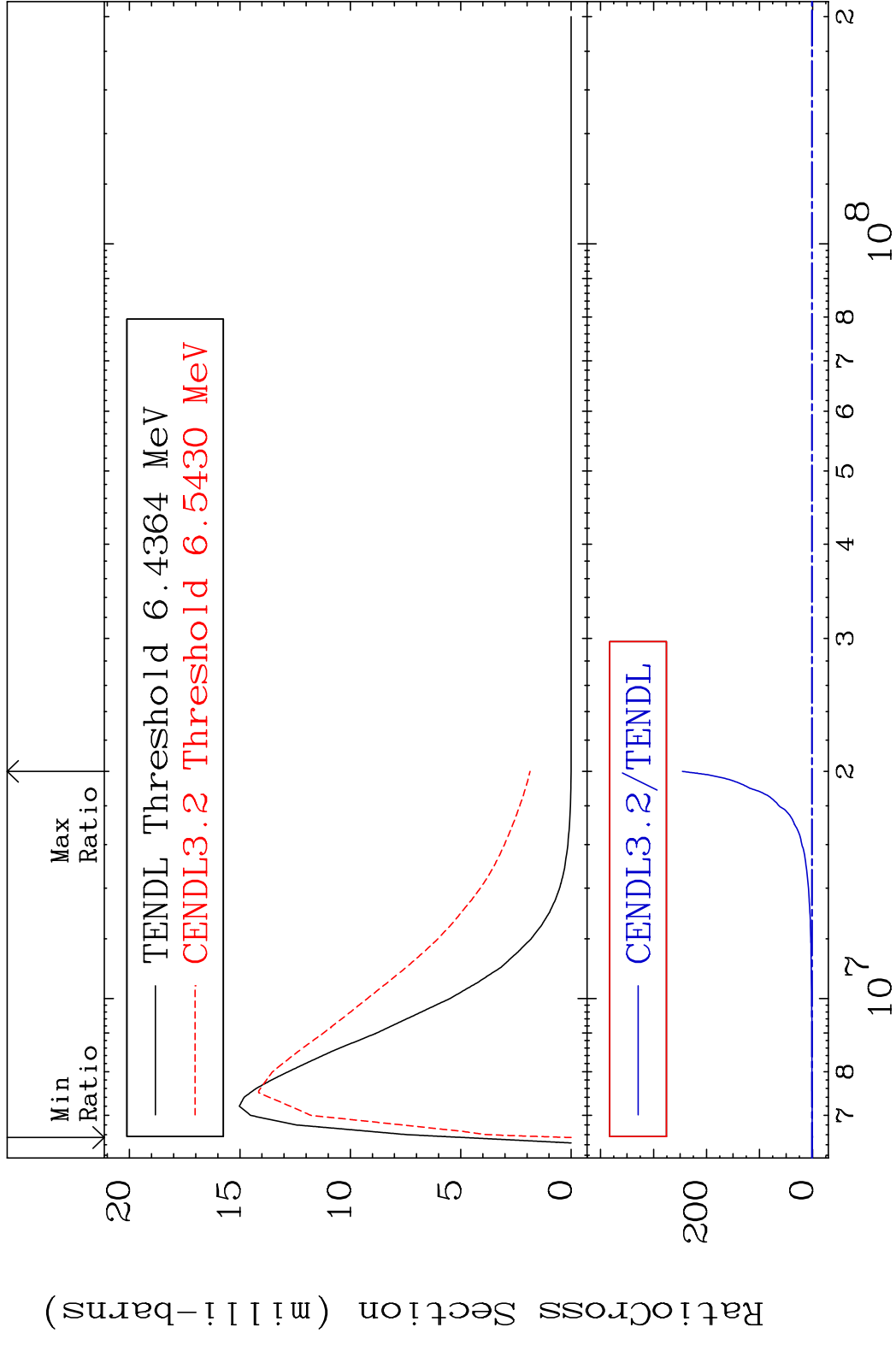
MAT 1525 MT= 75 (n,n') Level 15-P -31
 Cross Section -100.0 To 6482. %



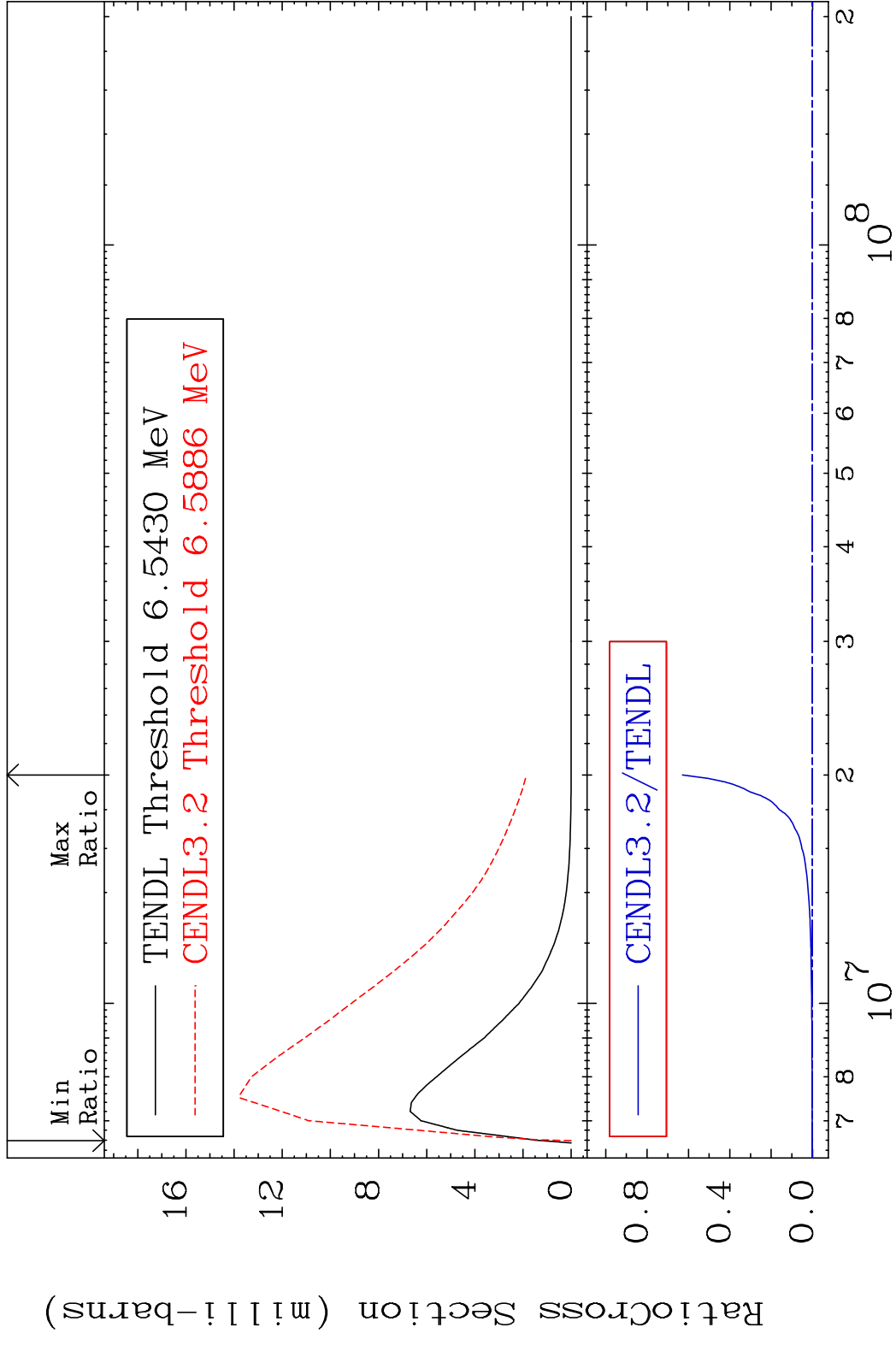
MAT 1525 MT= 76 (n,n') Level 15-P -31
 Cross Section -100.0 To 9999. %



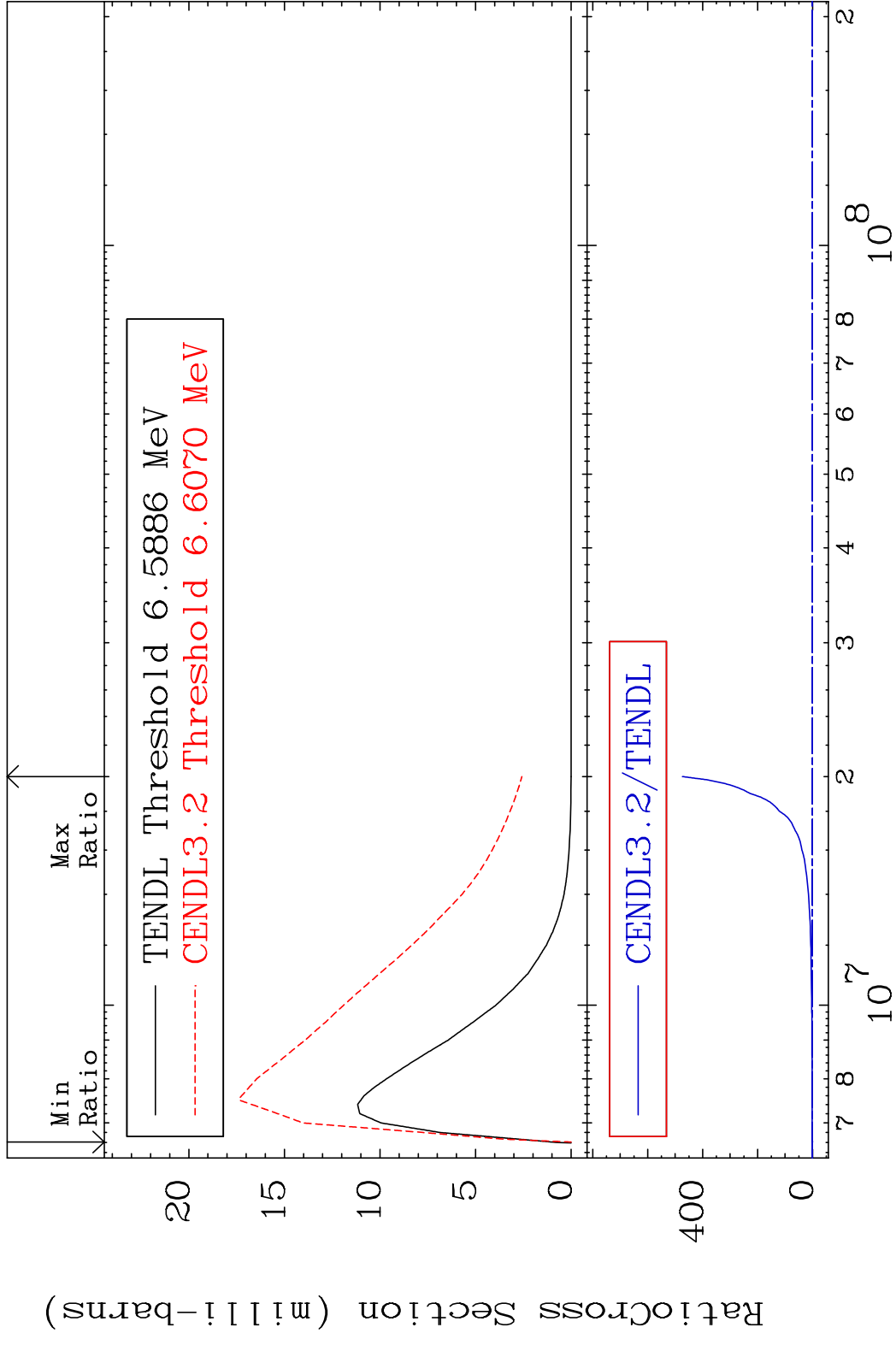
MAT 1525 MT= 77 (n,n') Level 15-P -31
 Cross Section -100.0 To 9999. %



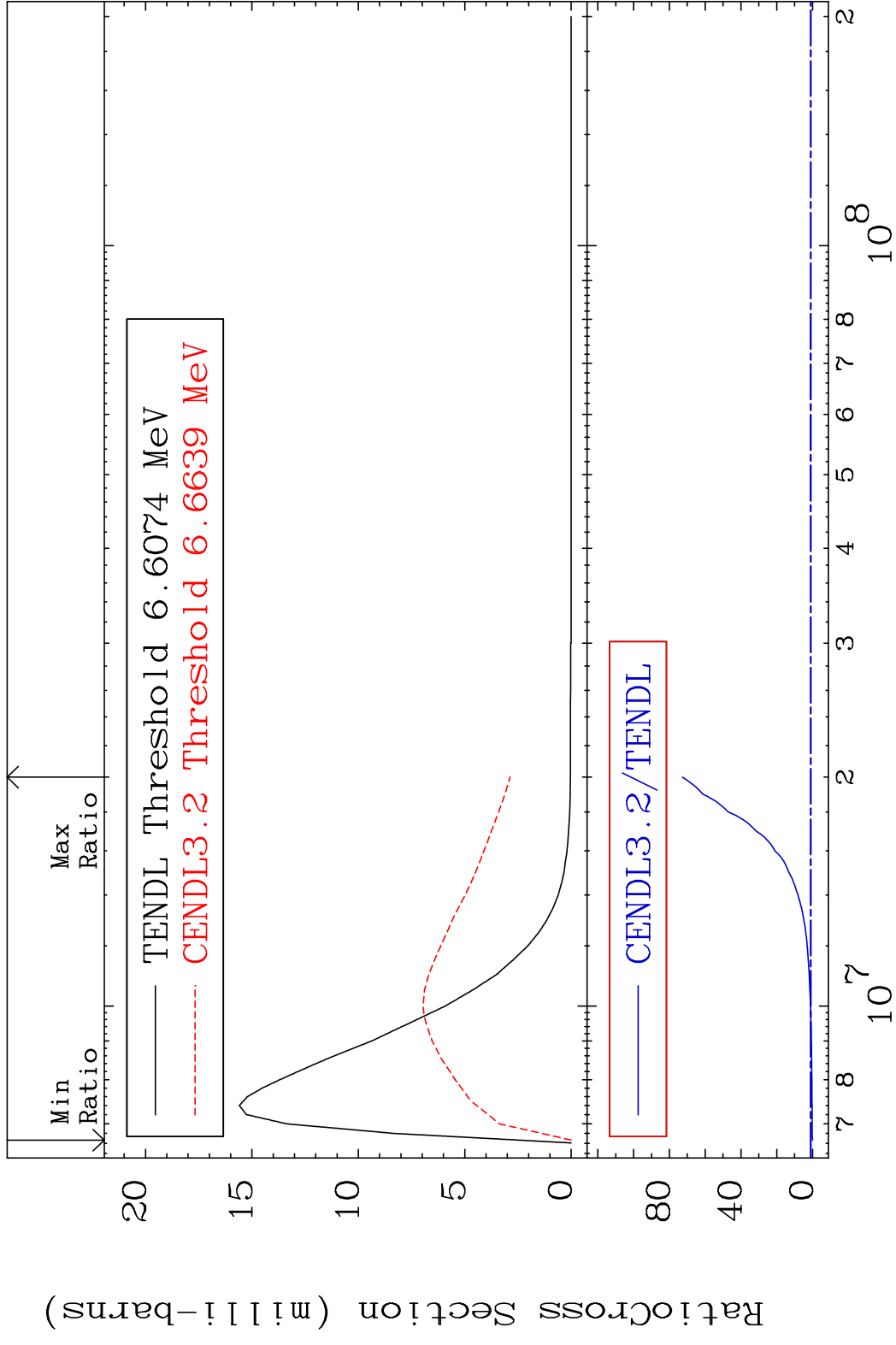
MAT 1525 MT= 78 (n,n') Level 15-P -31
 Cross Section -100.0 To 9999. %



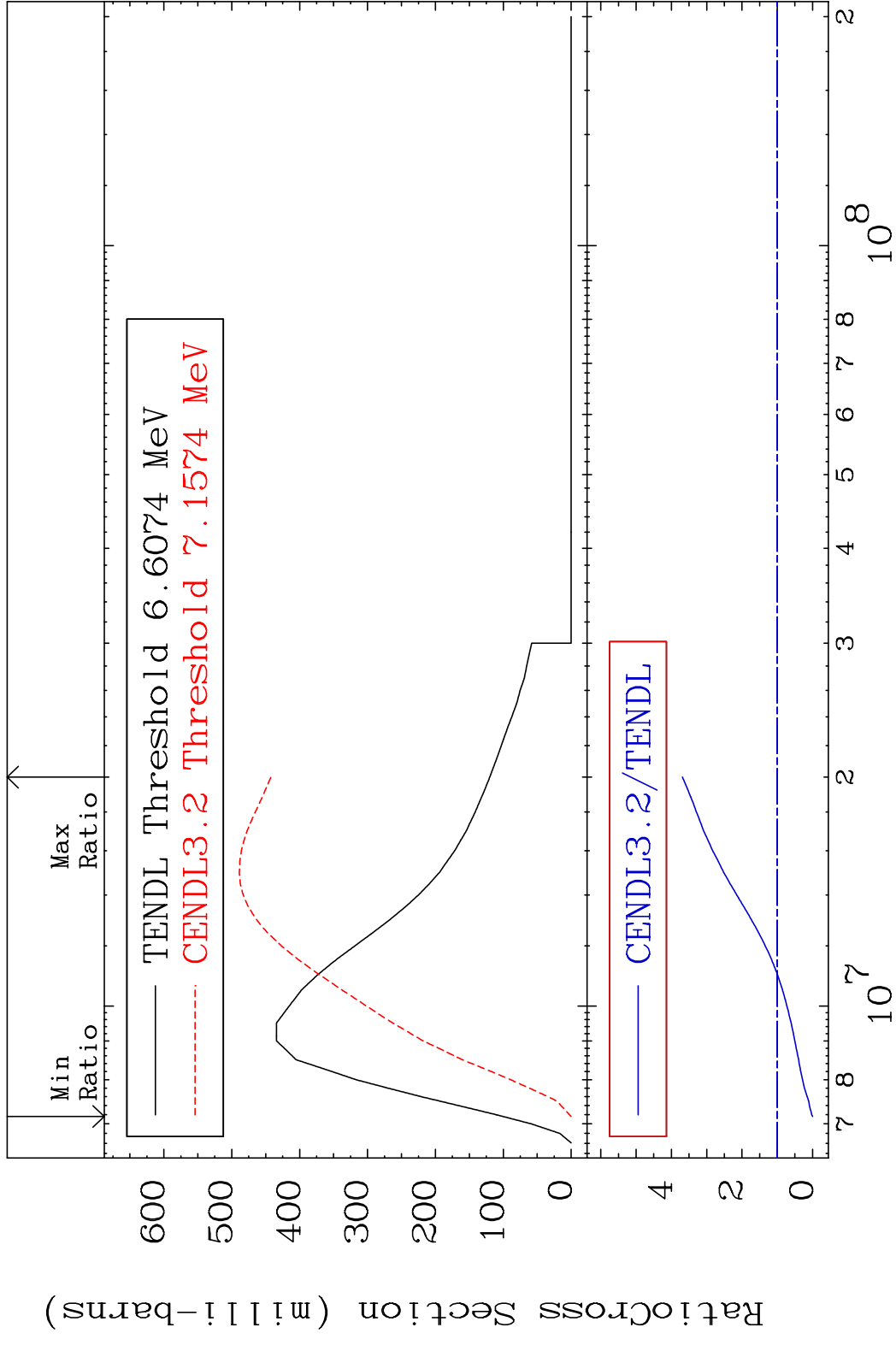
MAT 1525 MT= 79 (n,n') Level 15-P -31
 Cross Section -100.0 To 9999. %



MAT 1525 MT= 80 (n,n') Level 15-P -31
 Cross Section -100.0 To 7175. %



MAT 1525 (n, n') Continuum 15-P -31
 Cross Section -100.0 To 268.9 %

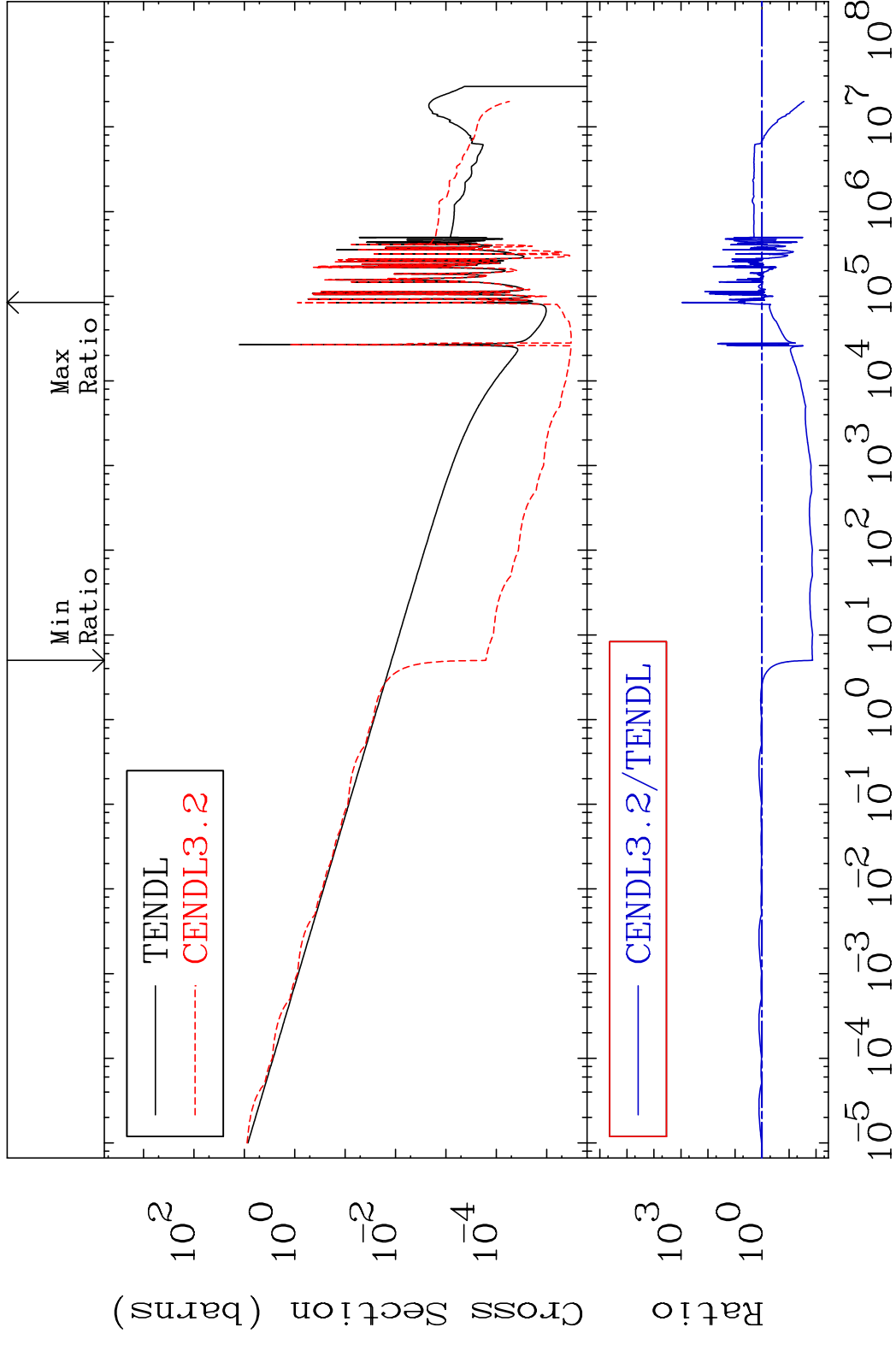


MAT 1525

(n, γ)

15-P -31

Cross Section -98.65 To 9999. %



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Incident Energy (eV)

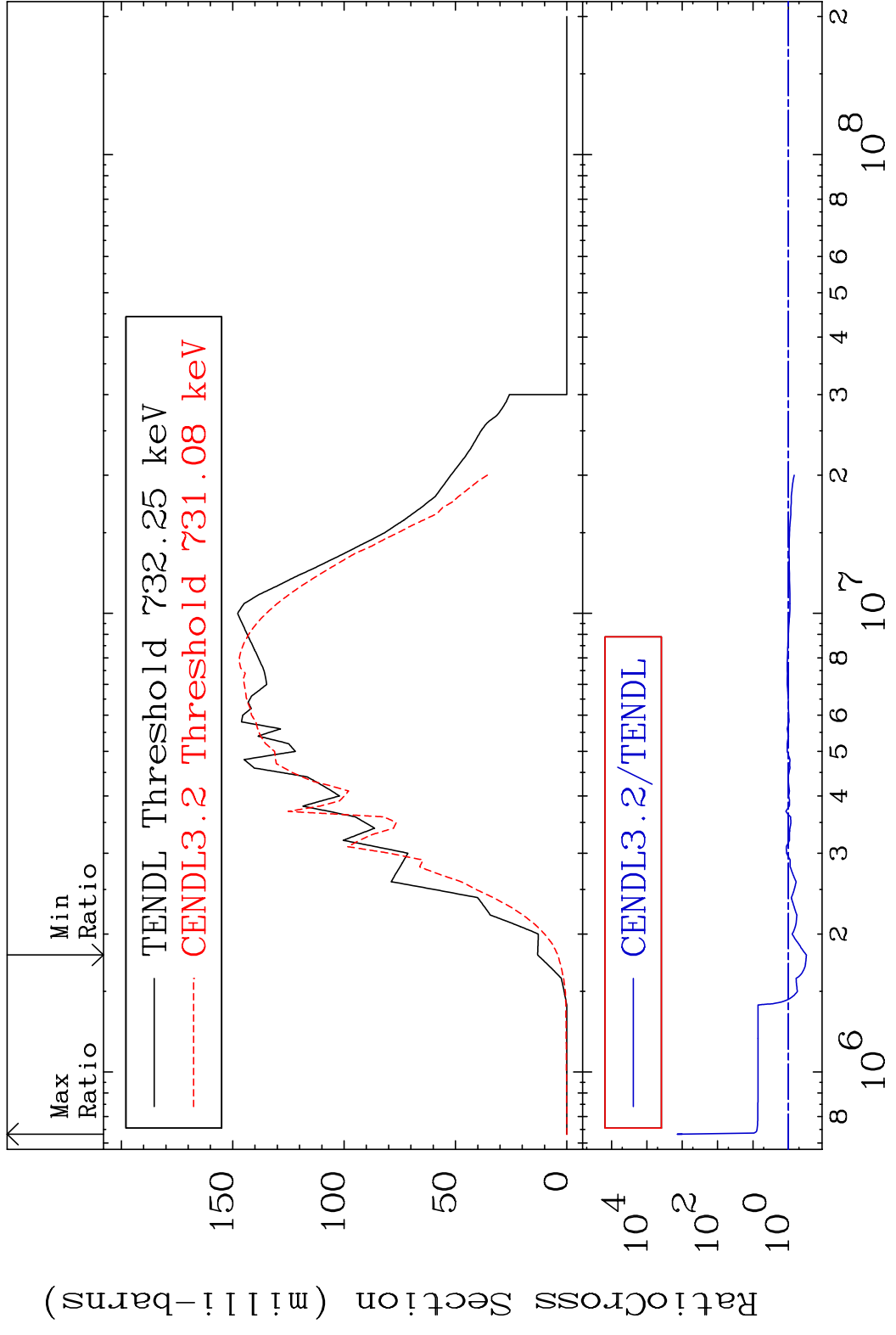
15-P -31

MAT 1525

(n,p)

15-P -31

Cross Section -69.15 To 9999. %

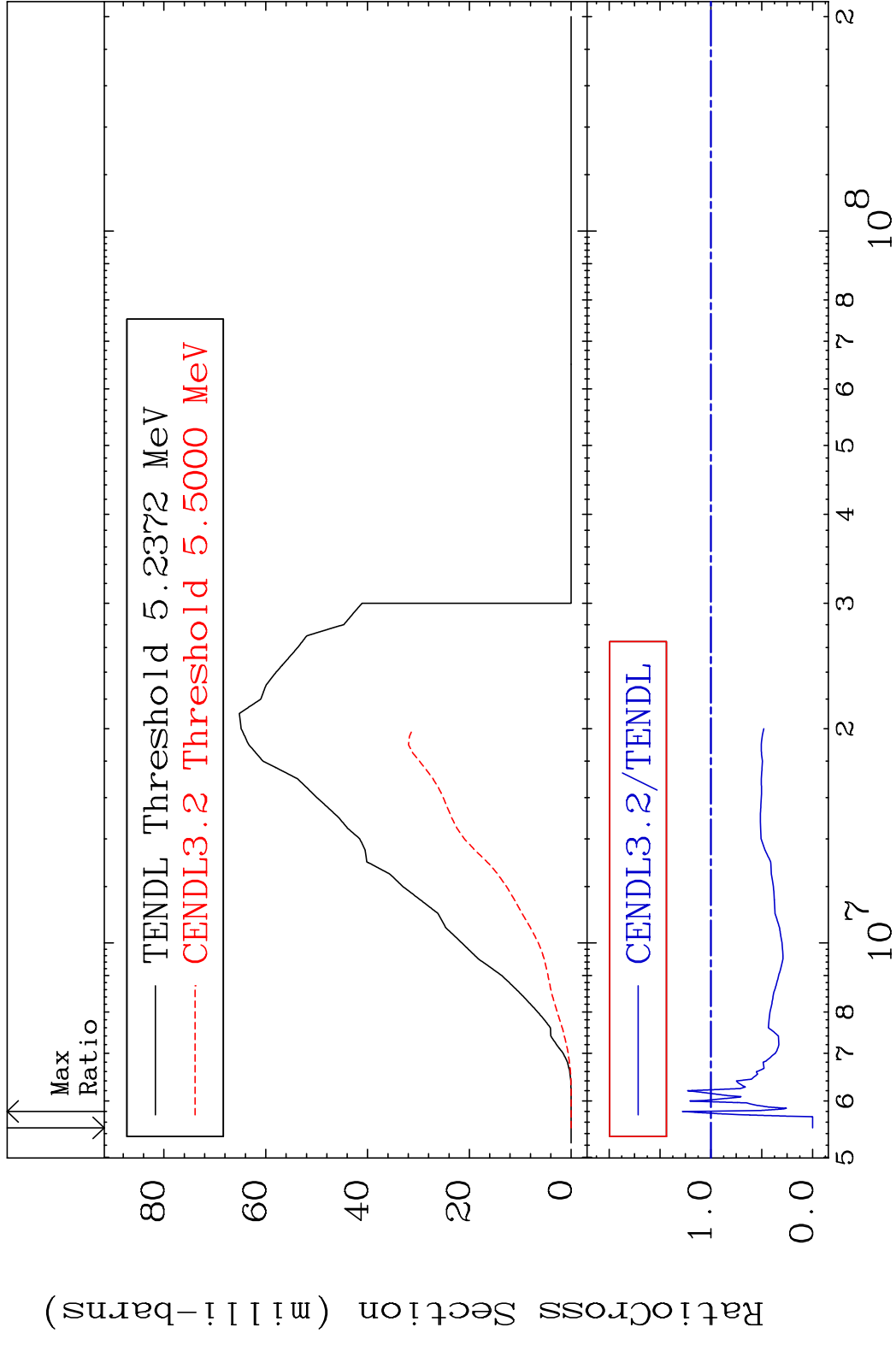


40

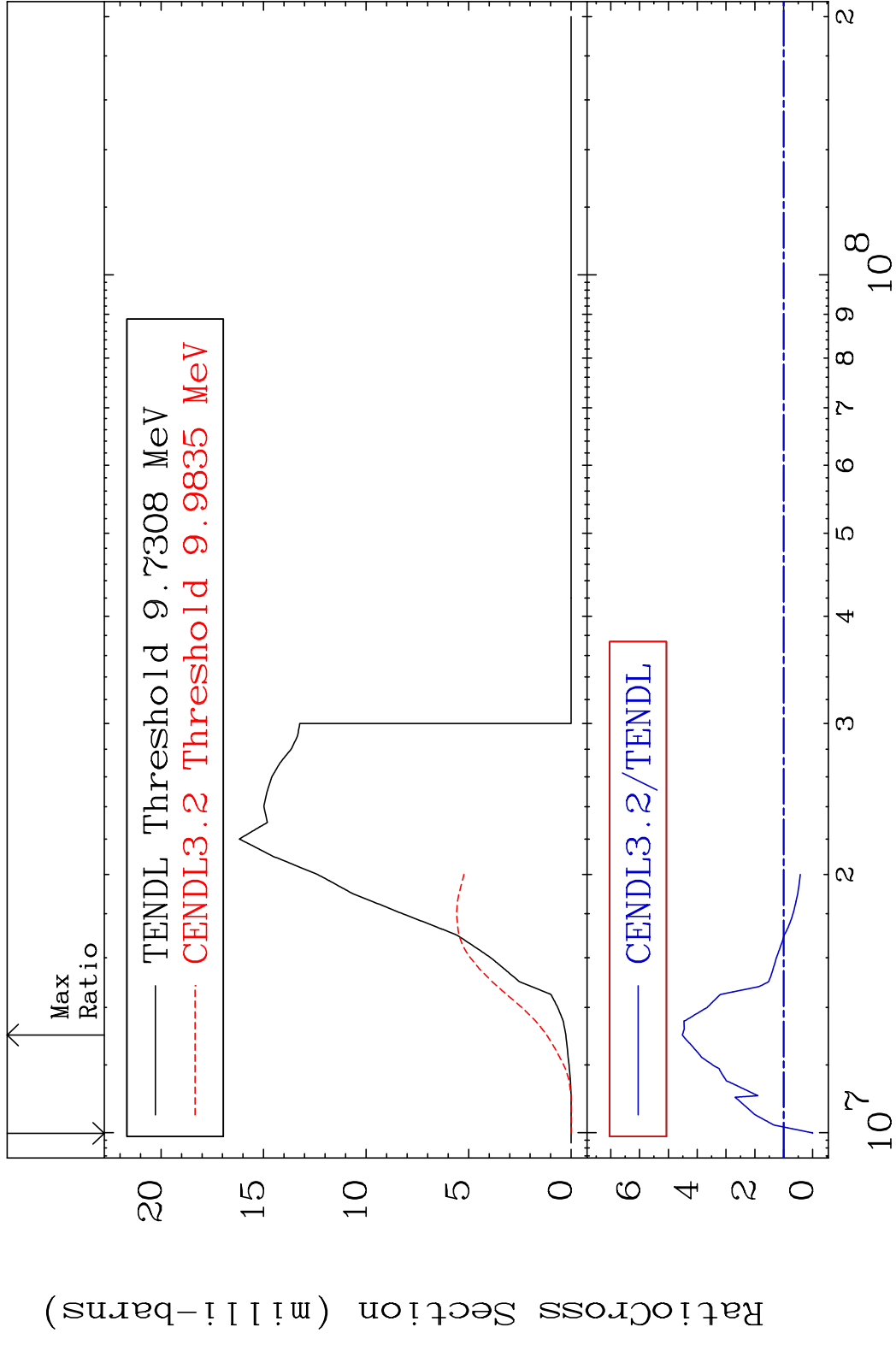
Incident Energy (eV)

15-P -31

MAT 1525 (n,d) 15-P -31
 Cross Section -100.0 To 28.01 %

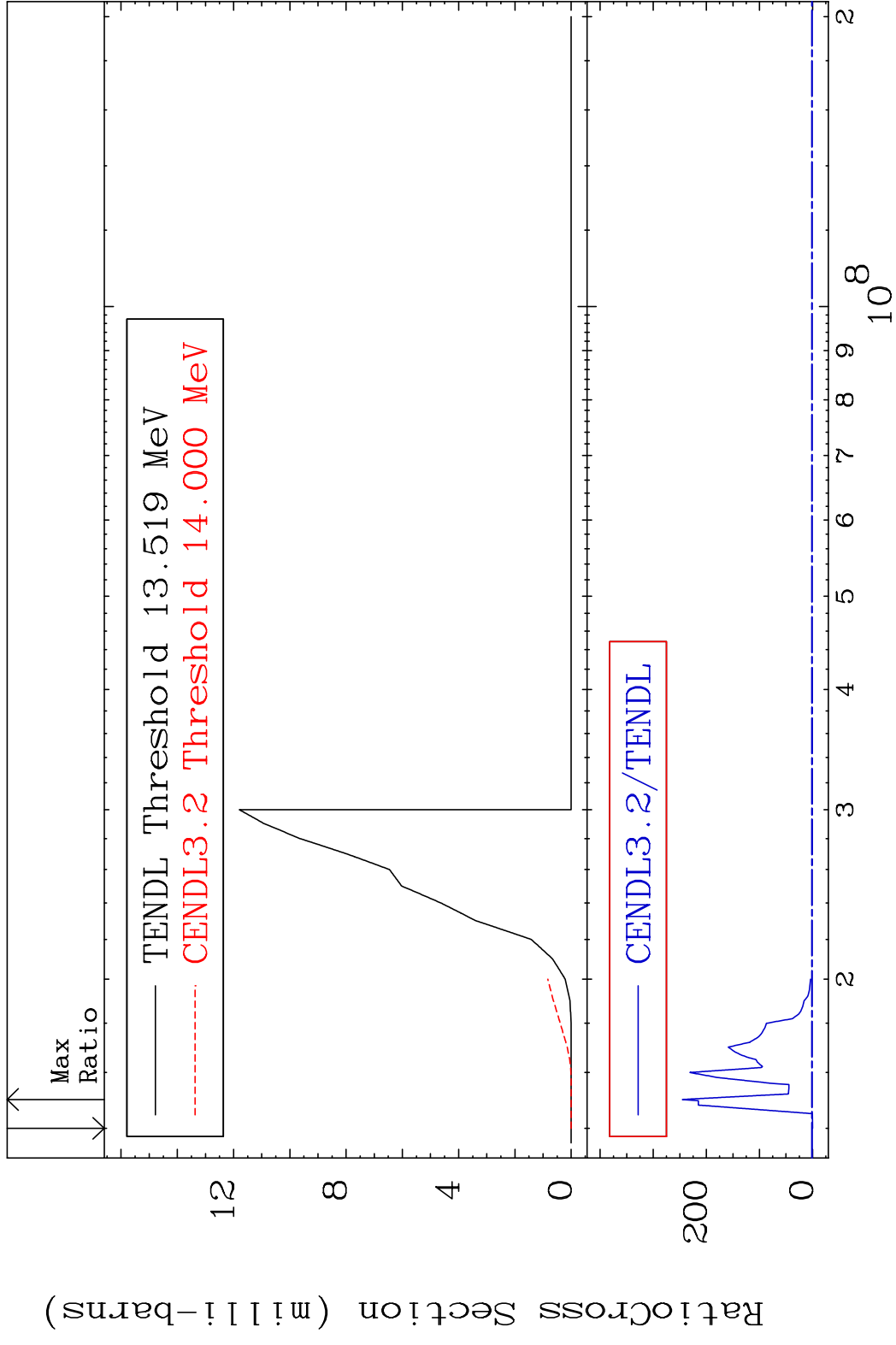


MAT 1525 (n, t) 15-P -31
 Cross Section -100.0 To 351.5 %

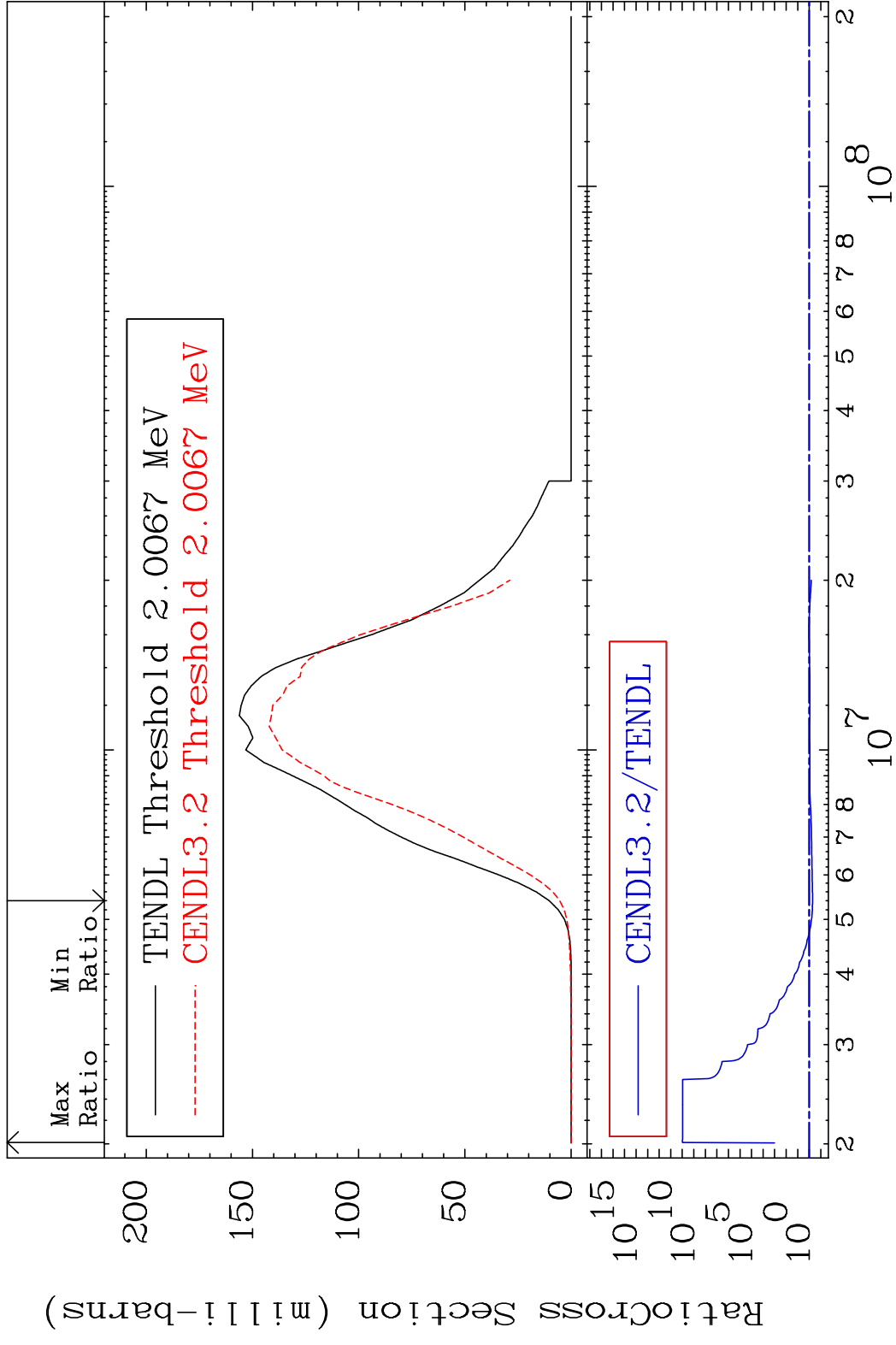


42 Incident Energy (eV) 15-P -31

MAT 1525 (n, He-3) 15-P -31
 Cross Section -100.0 To 9999. %



MAT 1525 (n, α) 15-P -31
 Cross Section -48.05 To 9999. %

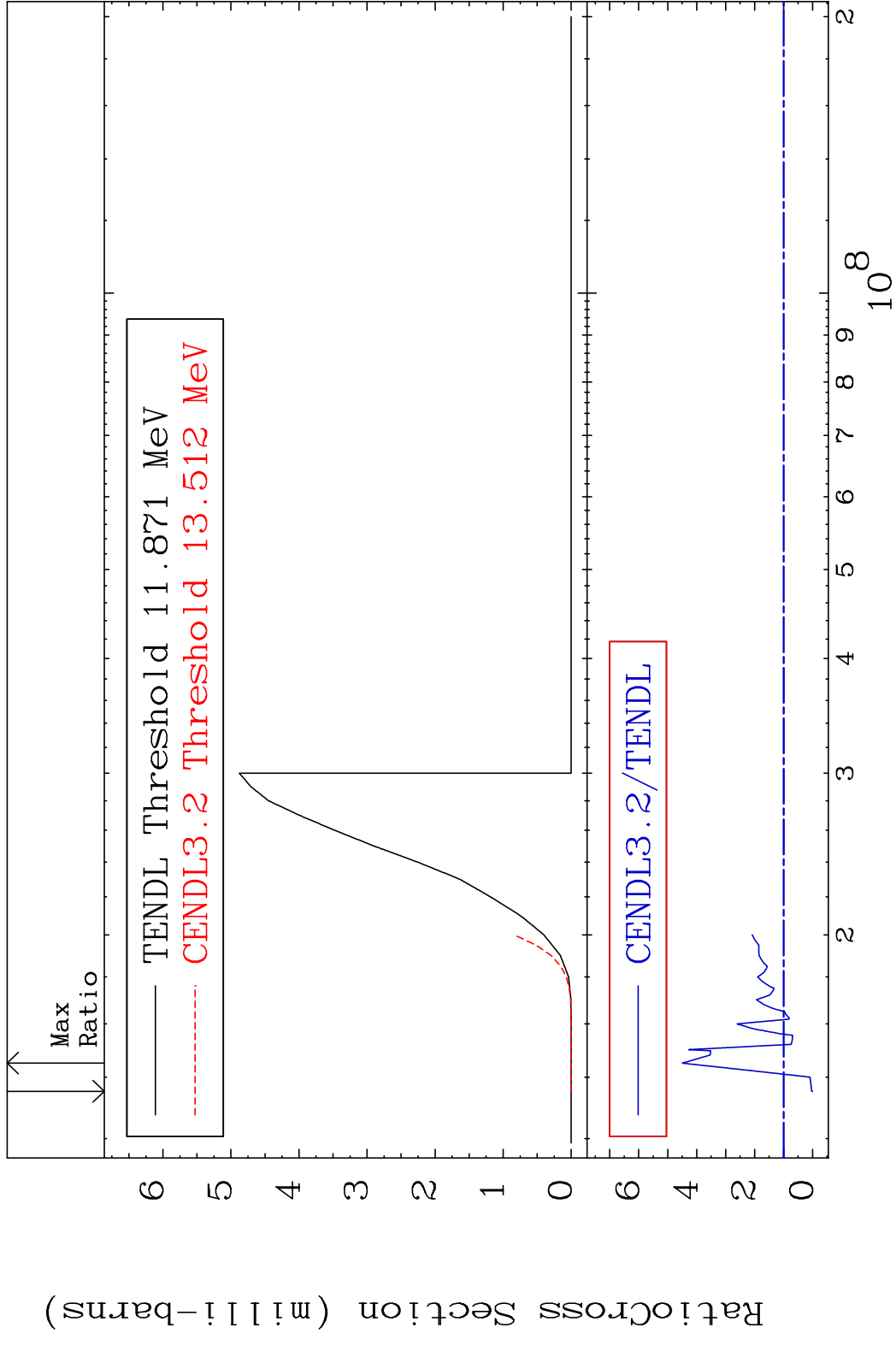


MAT 1525

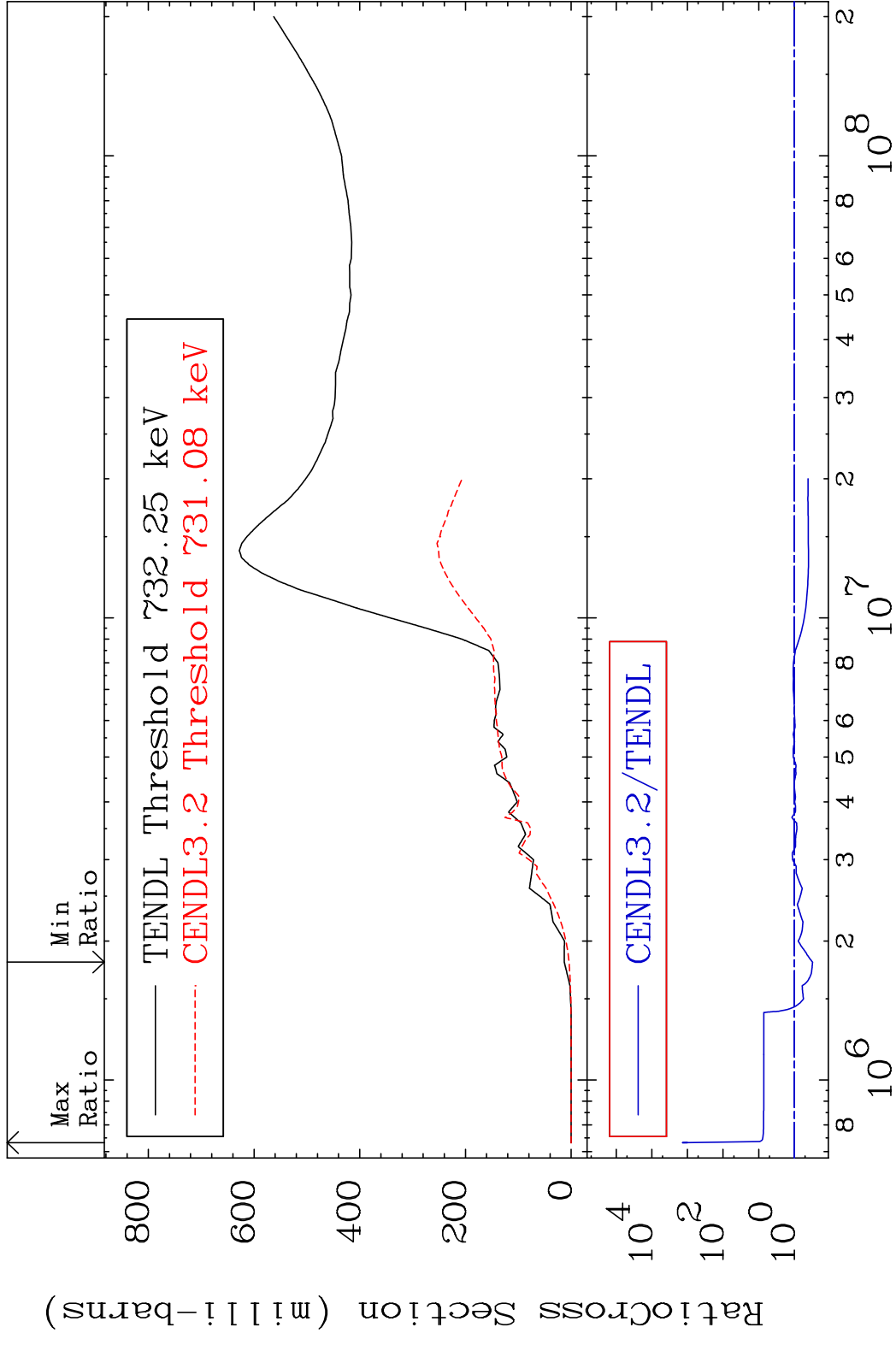
(n,p) α

15-P -31

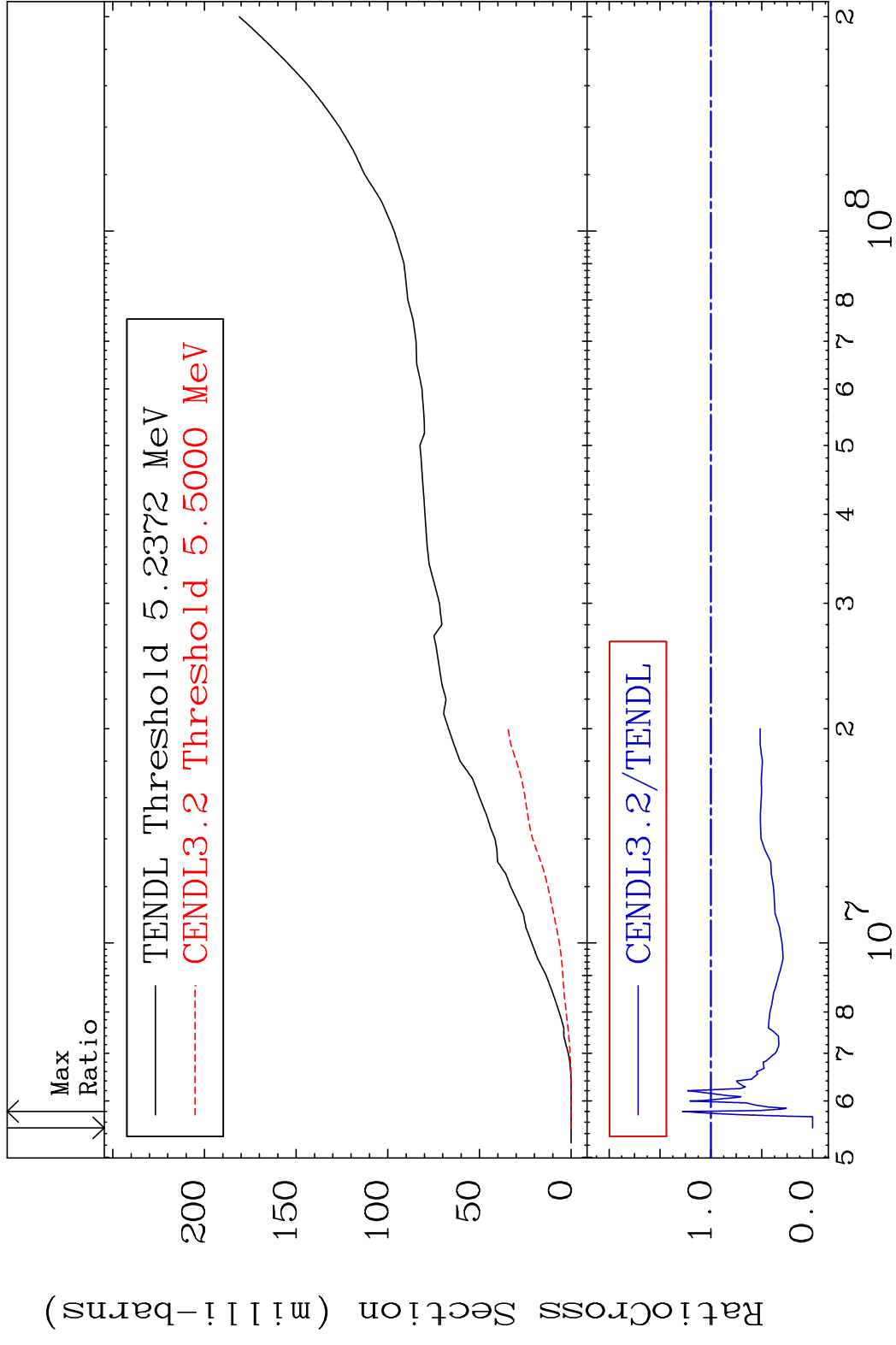
Cross Section -100.0 To 349.4 %



MAT 1525 Hydrogen Production 15-P -31
 Cross Section -69.15 To 9999. %



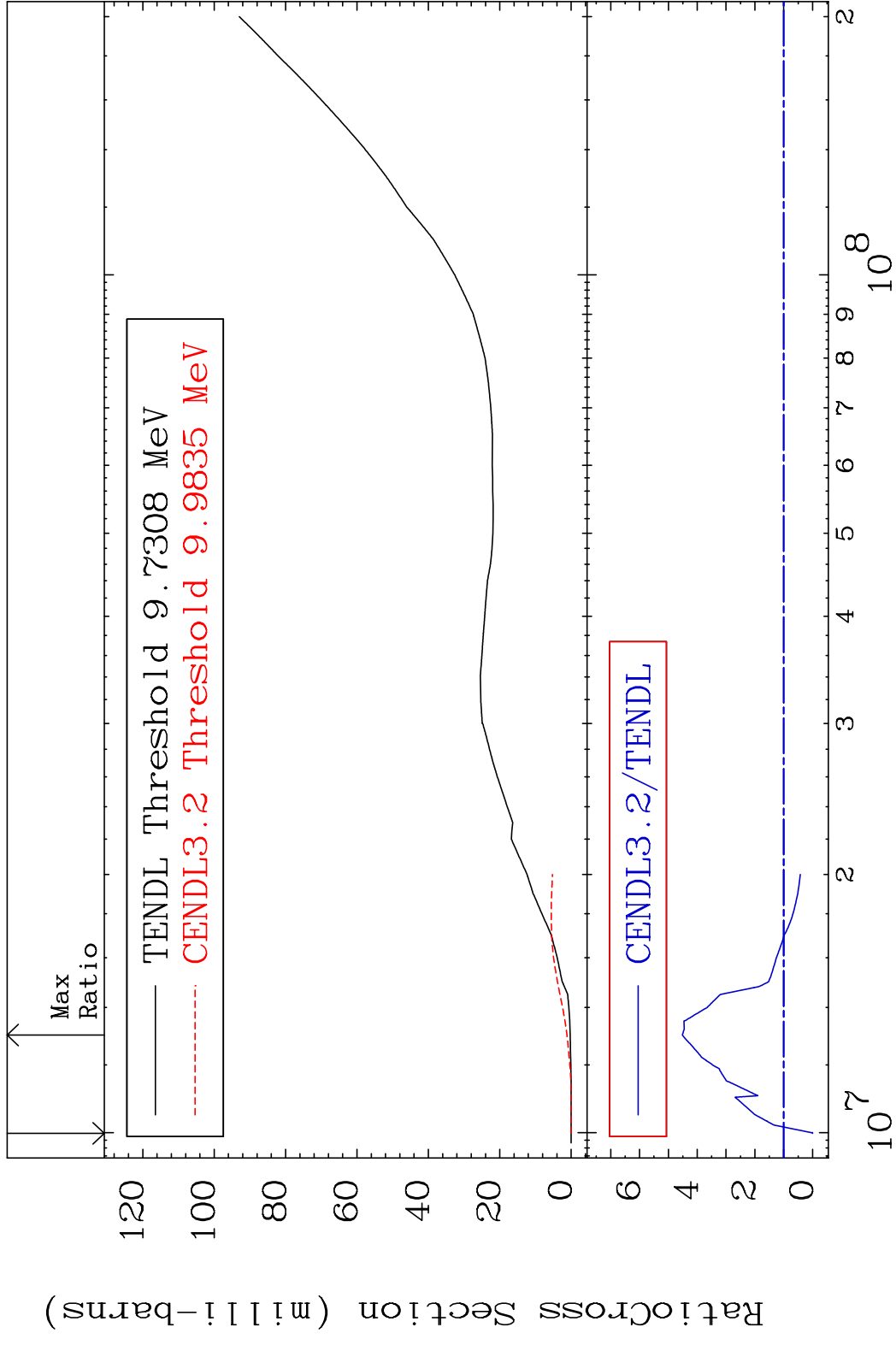
MAT 1525 Deuterium Production 15-P -31
 Cross Section -100.0 To 28.01 %



47 Incident Energy (eV) 15-P -31

MAT 1525

Tritium Production 15-P -31
Cross Section -100.0 To 351.5 %

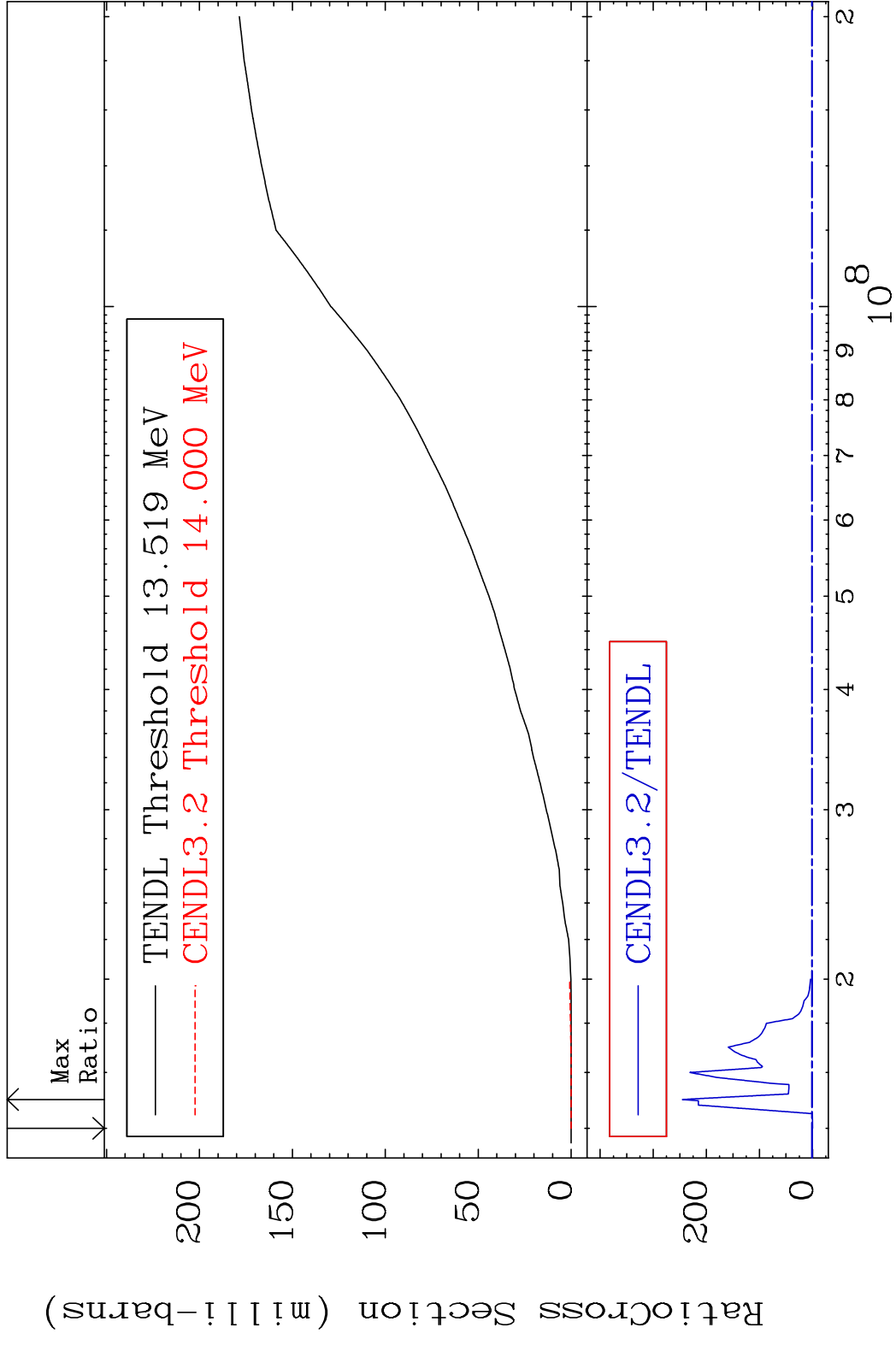


48

Incident Energy (eV)

15-P -31

Cross Section -100.0 To 9999. %

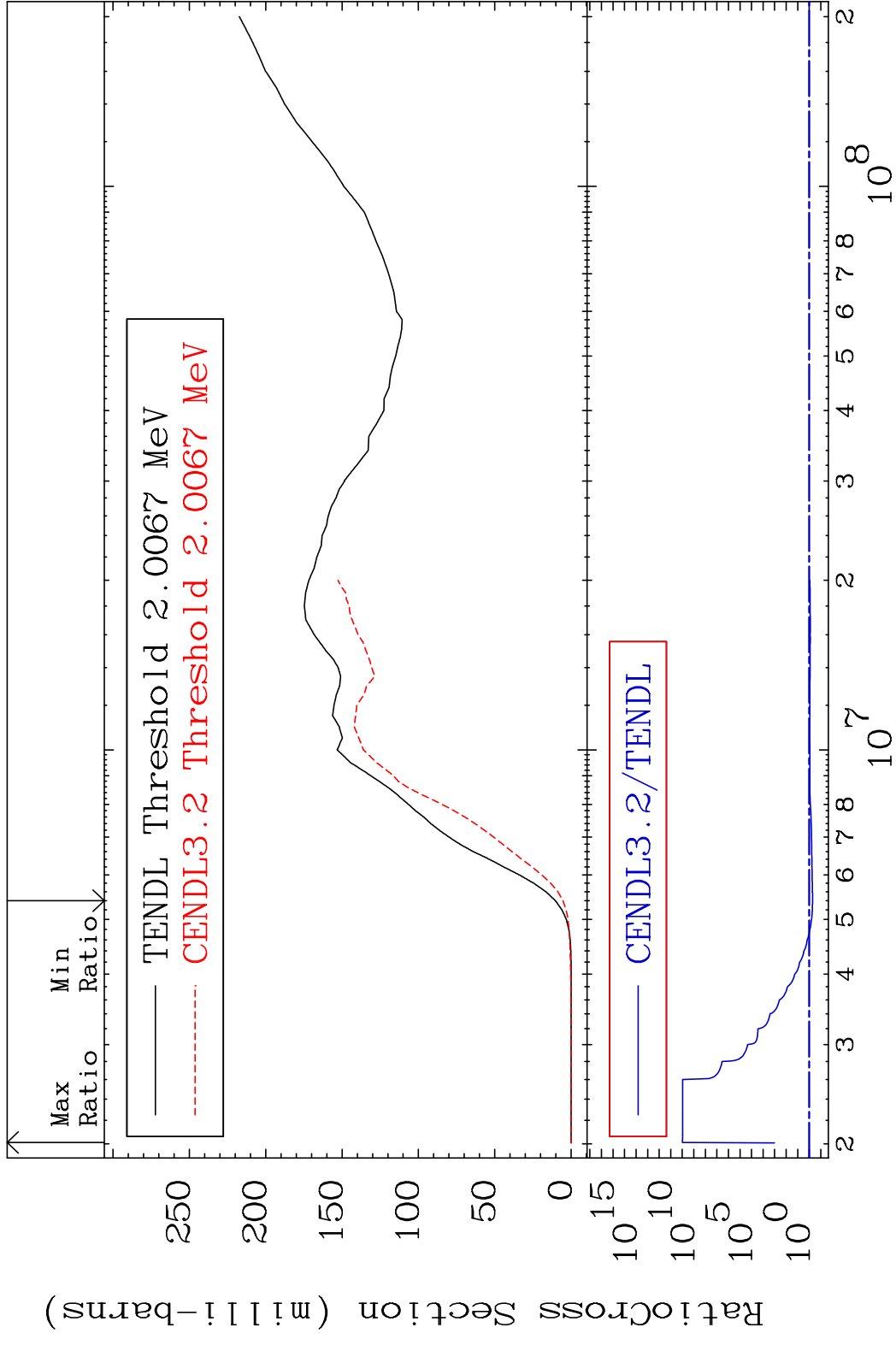


MAT 1525

He-4 Production

15-P -31

Cross Section -48.05 To 9999. %



50

Incident Energy (eV)

15-P -31

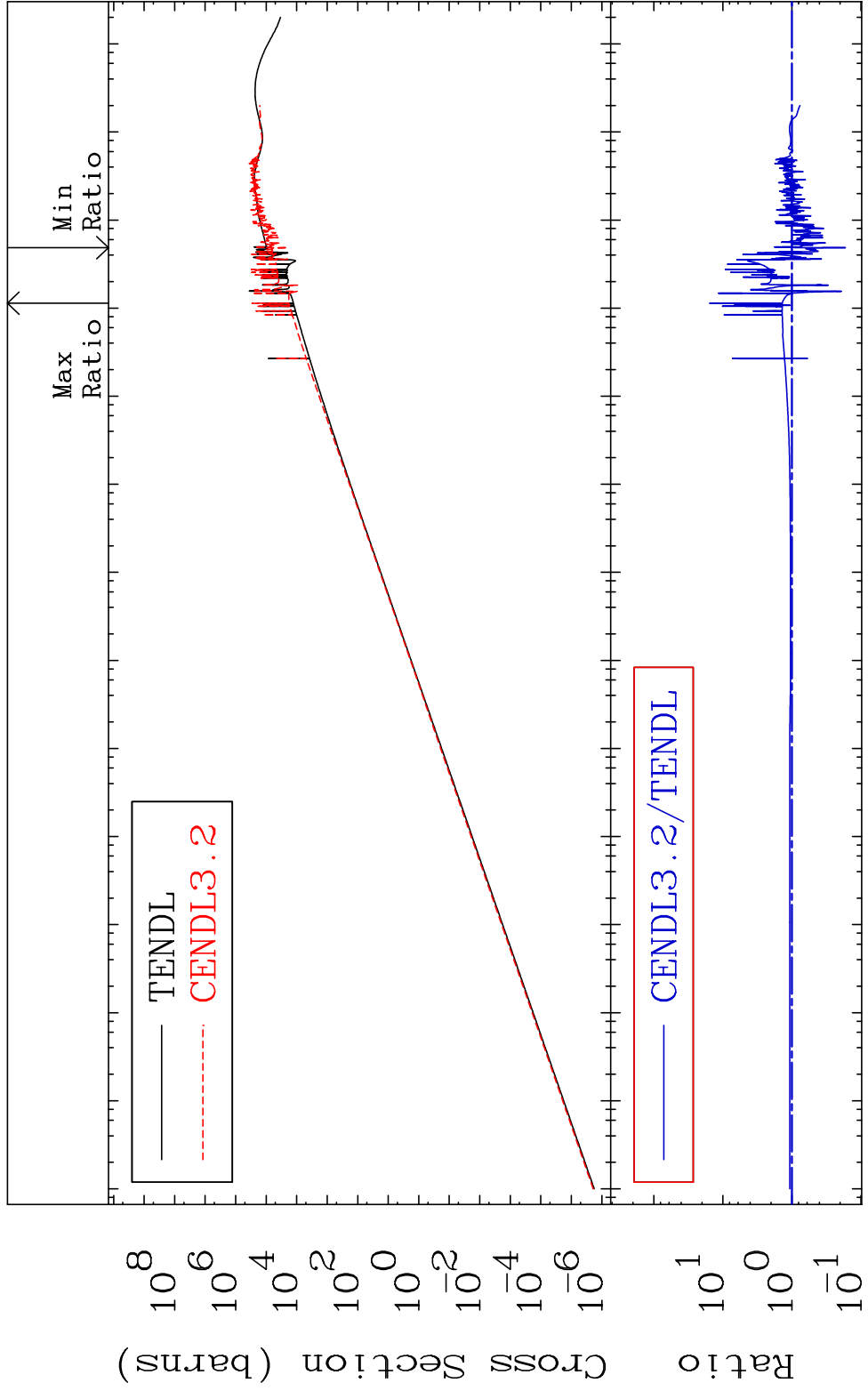
MAT 1525 Kerma total (eV-barns) 15-P -31
 Cross Section -71.20 To 9999. %



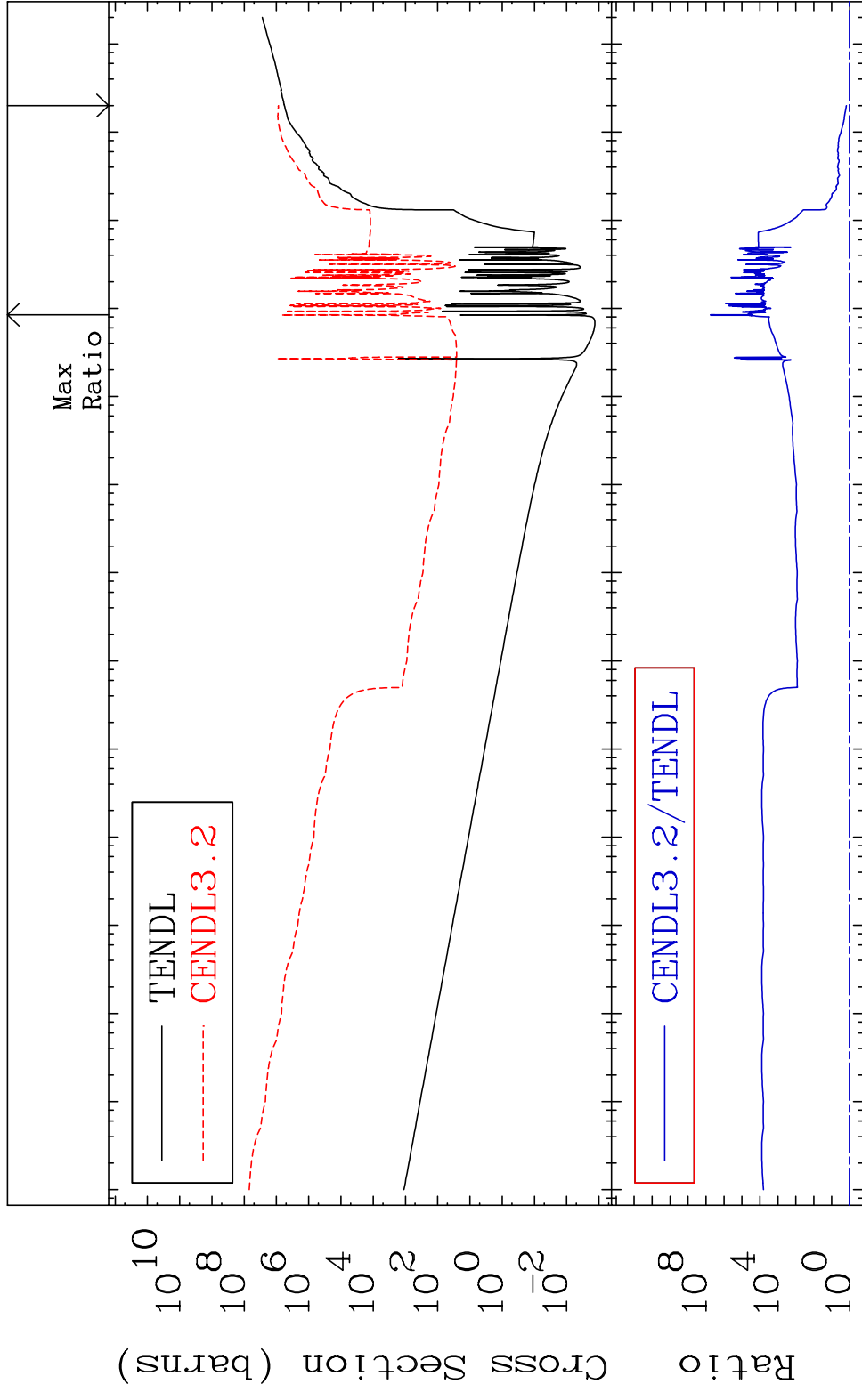
MAT 1525

Kerma elastic
Cross Section

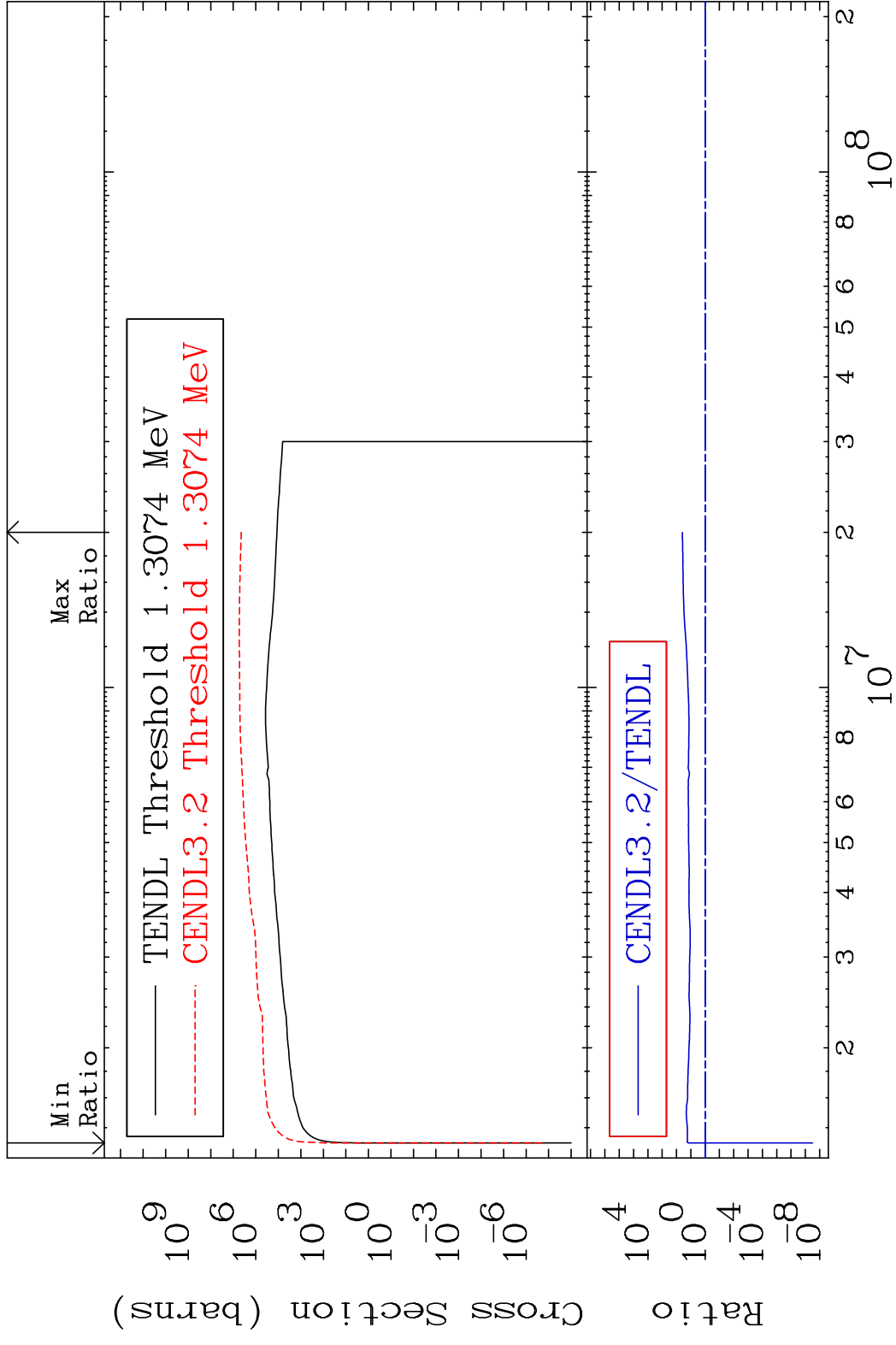
15-P -31
-83.15 To 1443. %



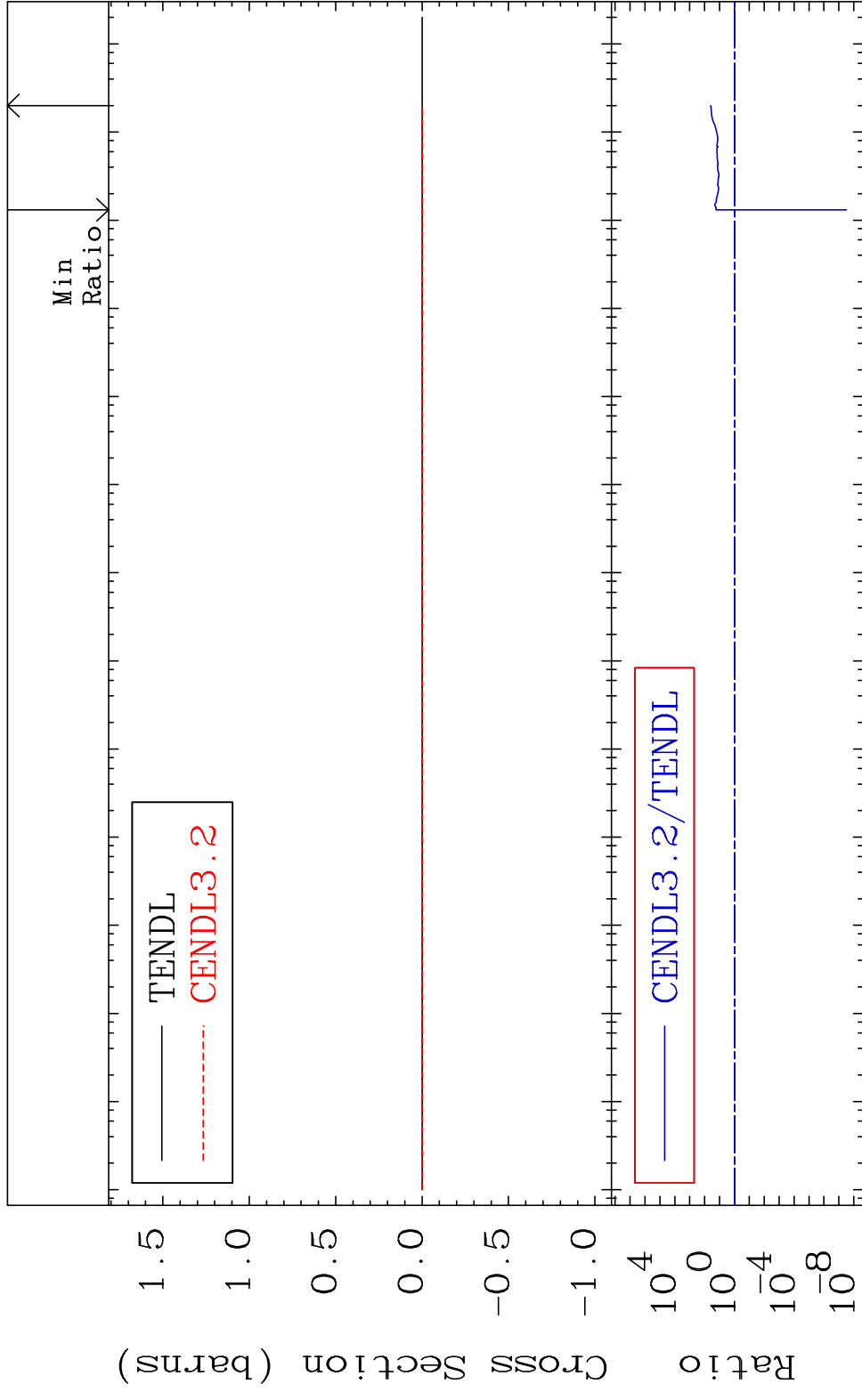
MAT 1525 Kerma non-elastic (all but mt2) 15-P -31
 Cross Section 54.40 To 9999. %



MAT 1525 Kerma inelastic (mt51-91) 15-P -31
 Cross Section -100.0 To 3792. %

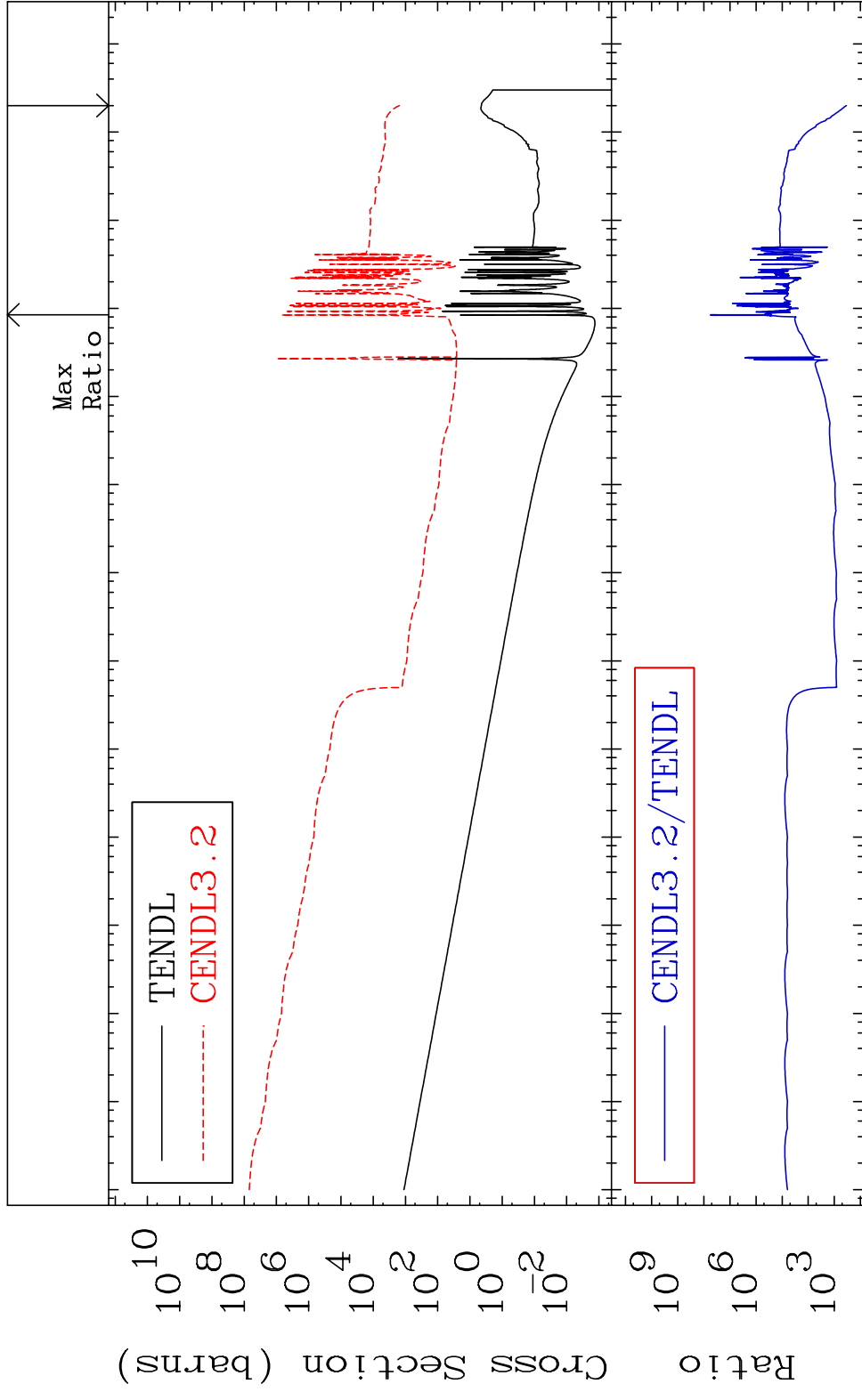


MAT 1525 Kerma fission (mt18 or mt19-20-21-38) 15-P -31
 Cross Section -100.0 To 3792. %



MAT 1525

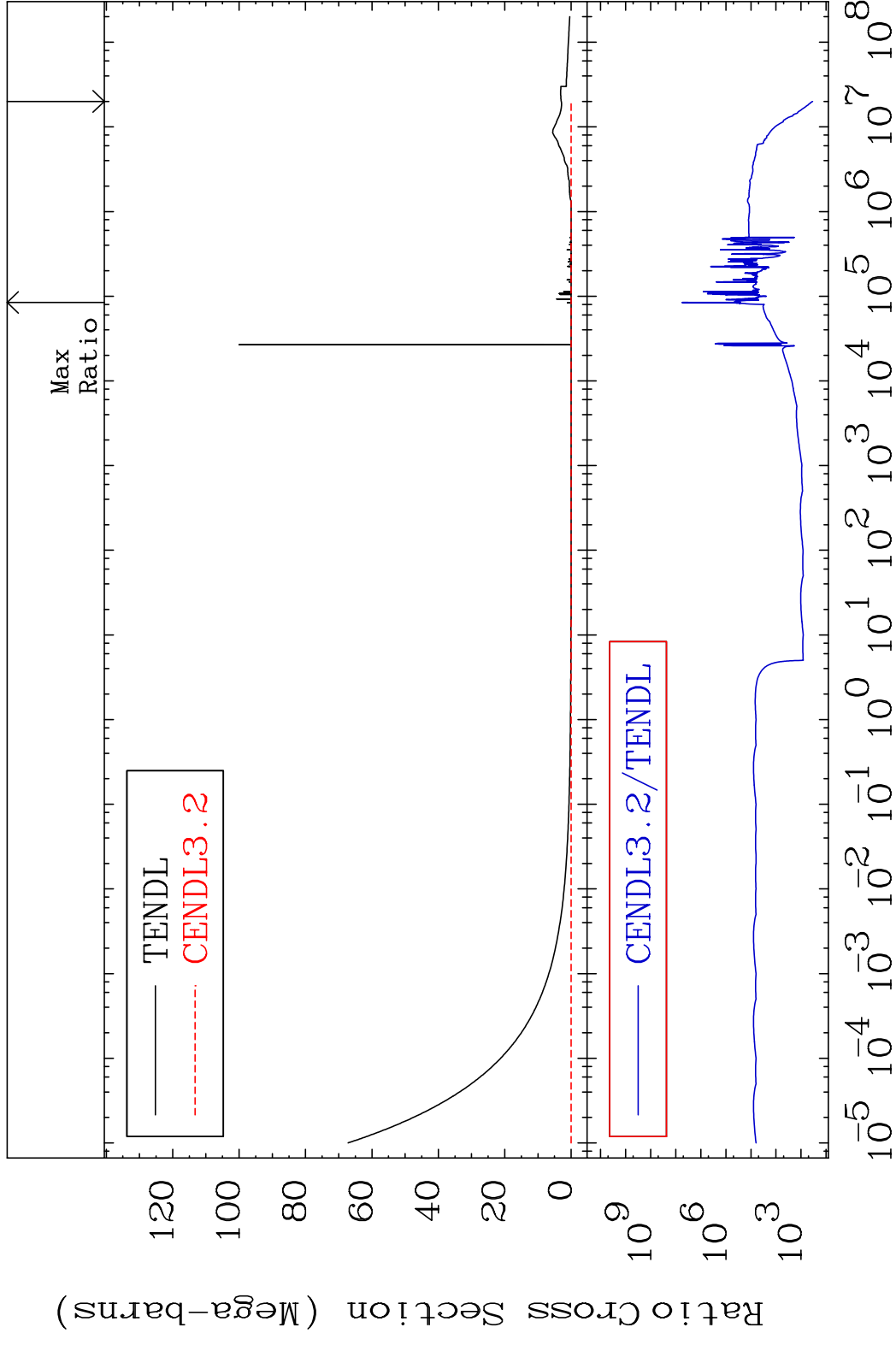
Kerma capture (mt102) 15-P -31
Cross Section 9999. To 9999. %



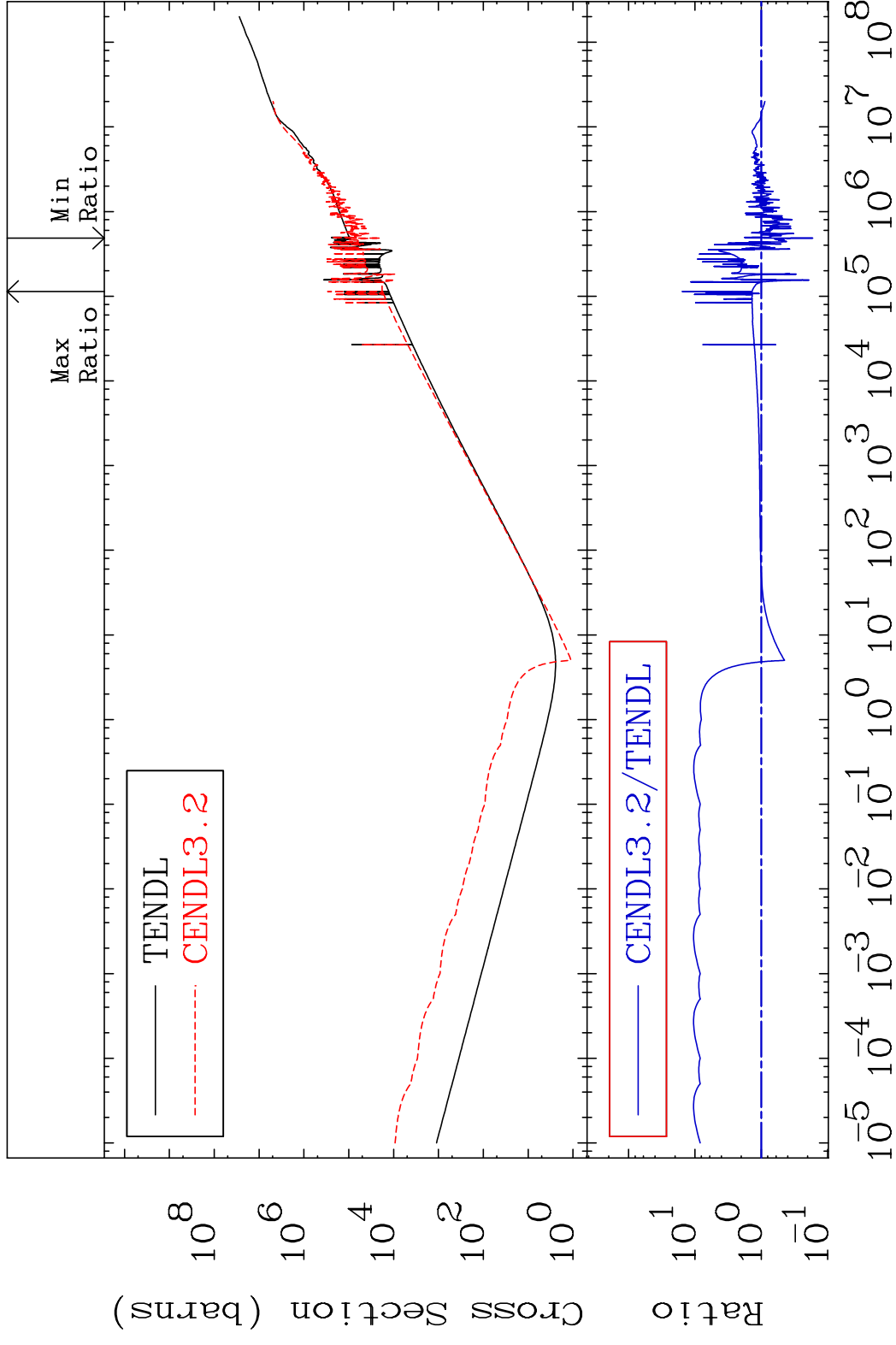
56

Incident Energy (eV) 15-P -31

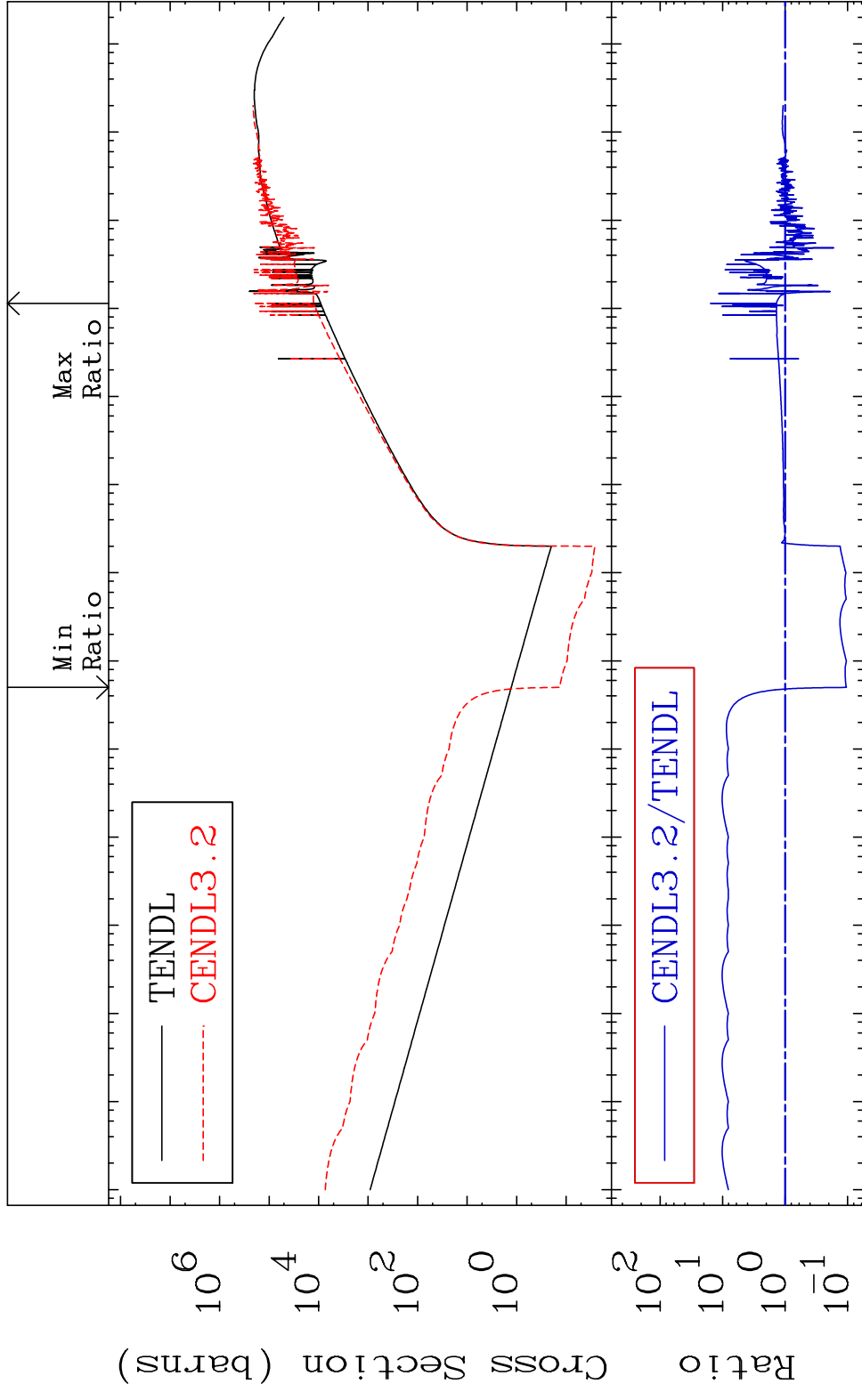
MAT 1525 Total photon (eV-barns) 15-P -31
 Cross Section 9999. To 9999. %



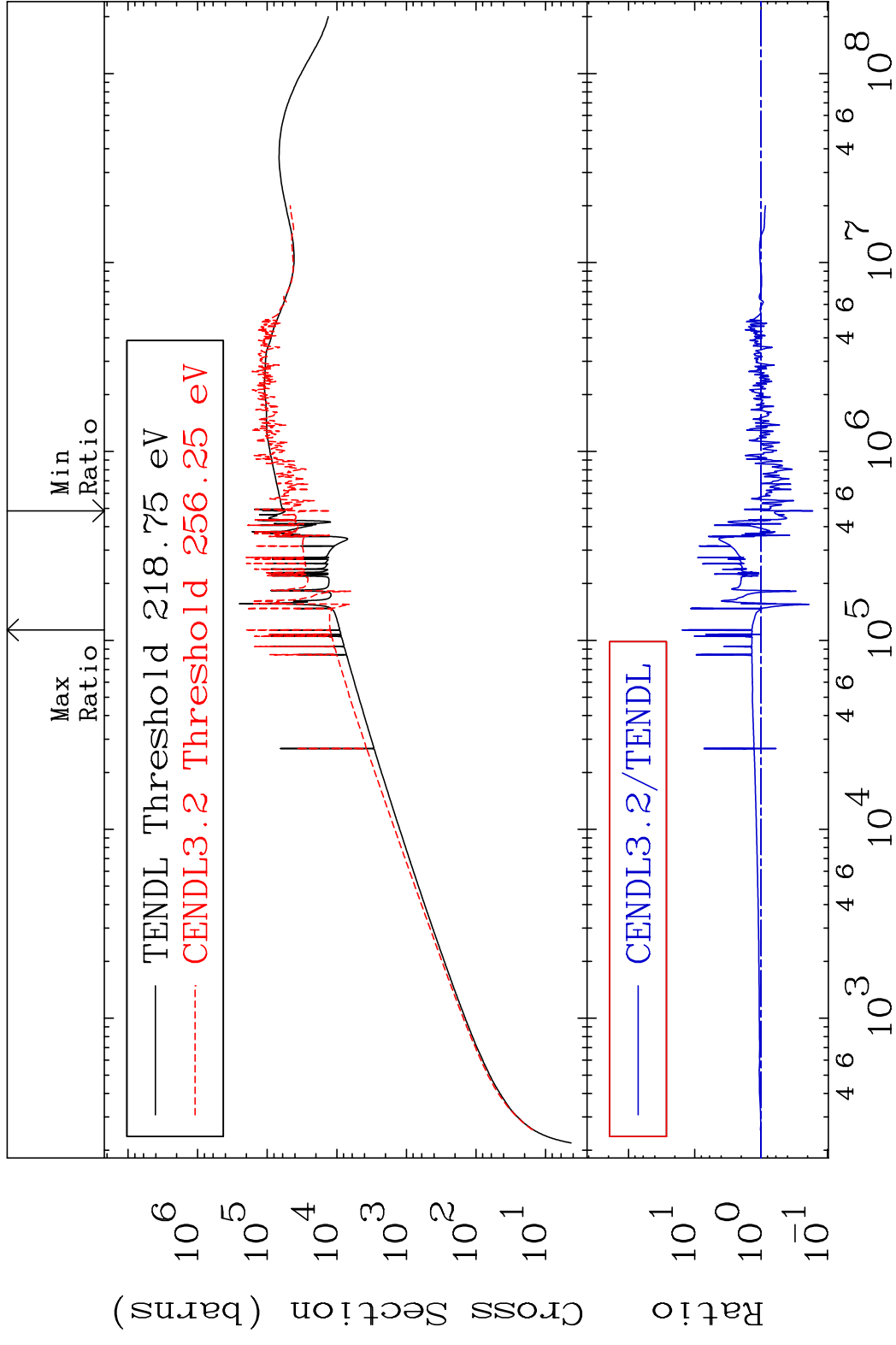
MAT 1525 Total kinematic kerma (high limit) 15-P -31
 Cross Section -83.12 To 1450. %



MAT 1525 Dpa total (eV-barns) 15-P -31
 Cross Section -89.50 To 1449. %

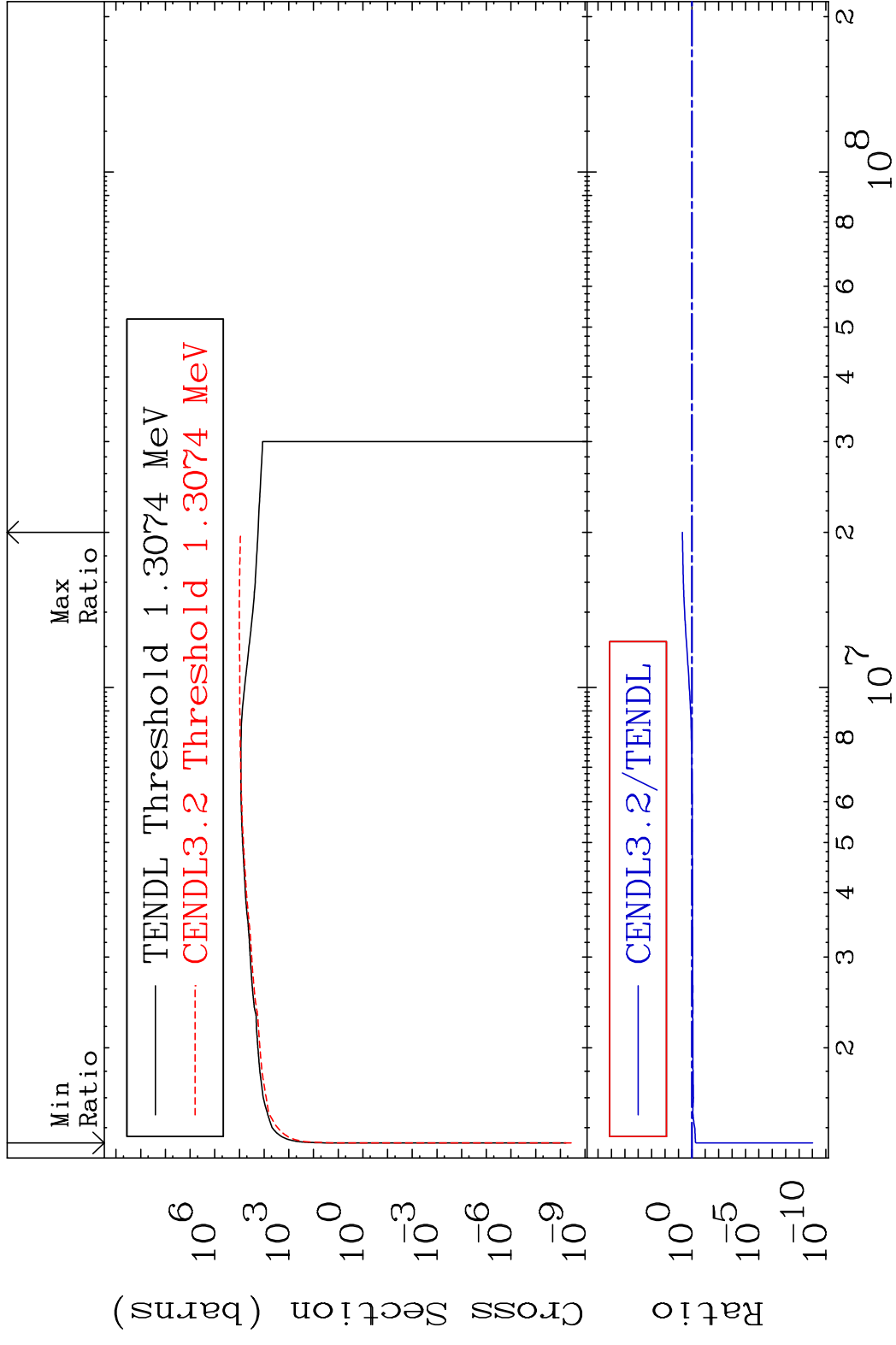


MAT 1525 Dpa elastic (mt2) 15-P -31
 Cross Section -83.23 To 1442. %

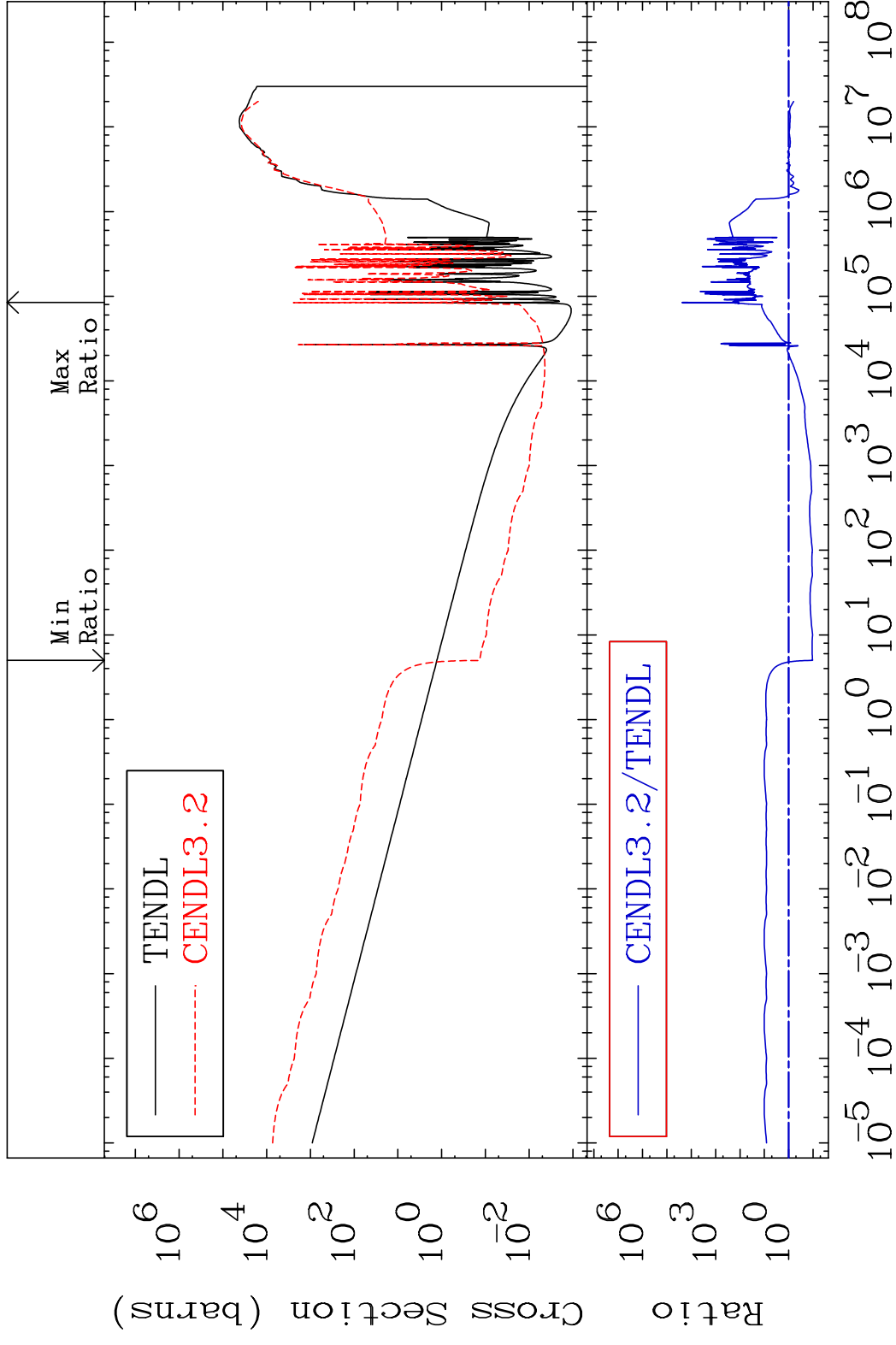


60 Incident Energy (eV) 15-P -31

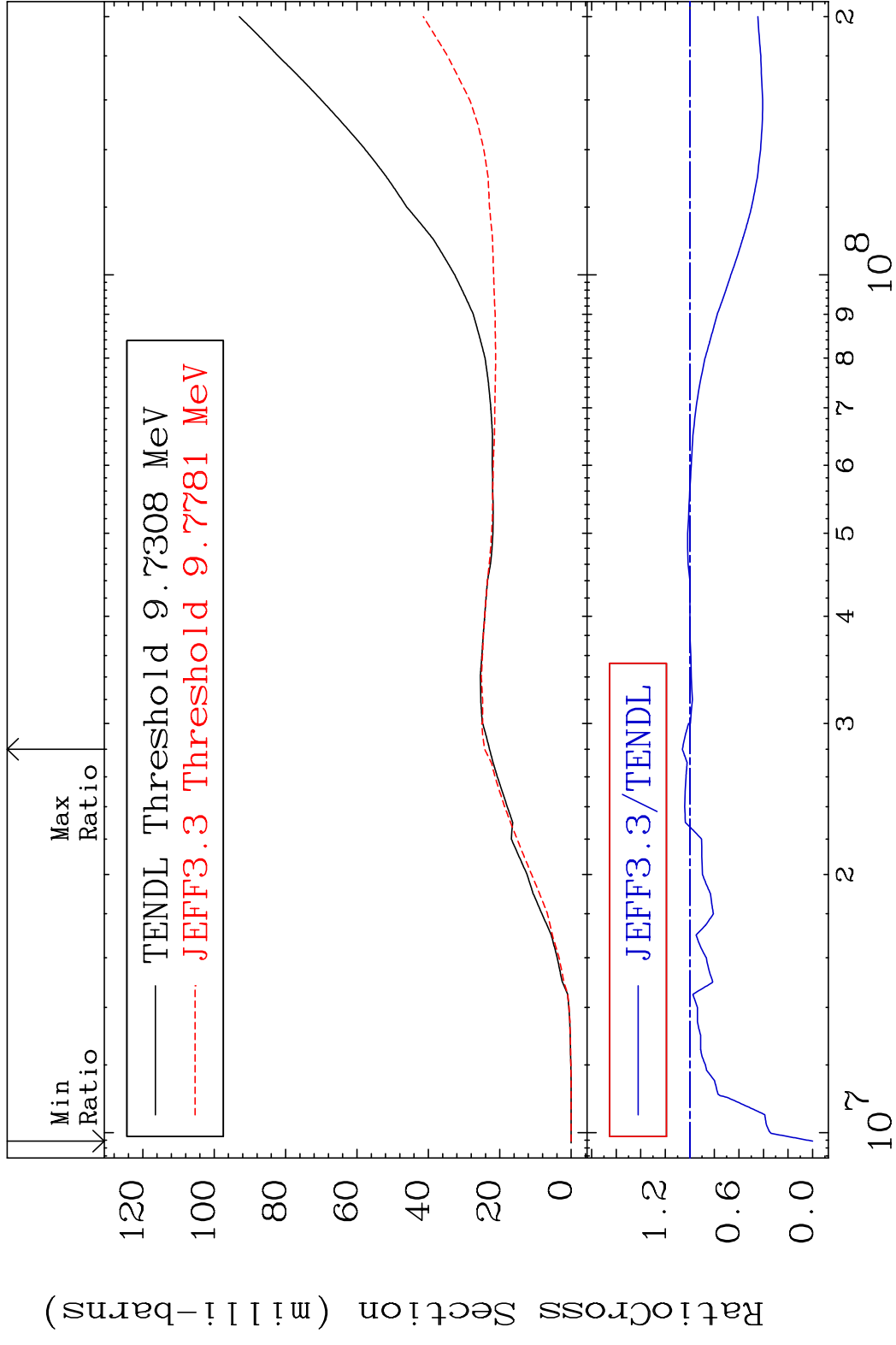
MAT 1525 Dpa inelastic (mt51-91) 15-P -31
 Cross Section -100.0 To 412.4 %



MAT 1525 Dpa disappearance (mt102 -120) 15-P -31
 Cross Section -89.50 To 9999. %

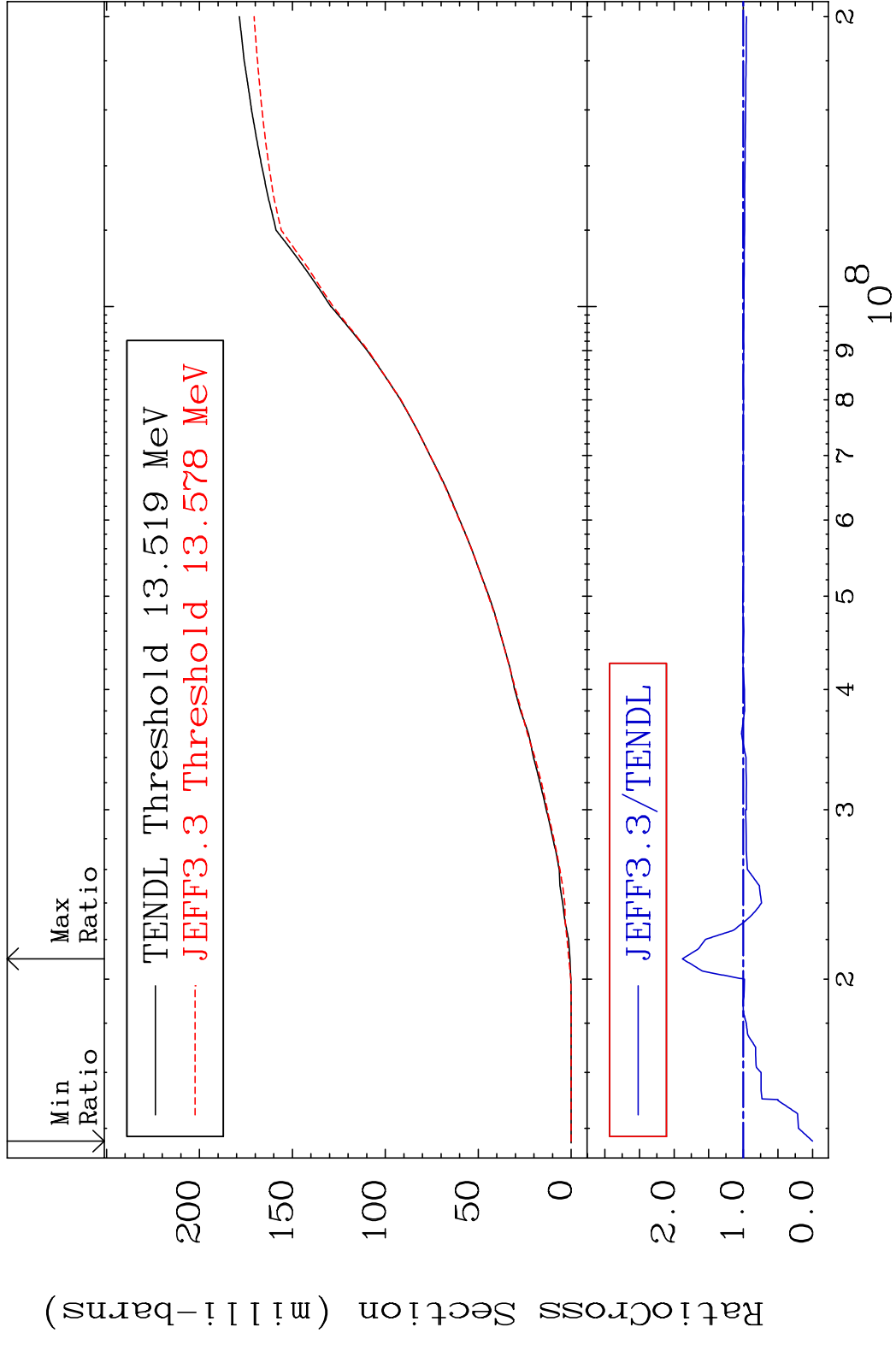


MAT 1525 Tritium Production 15-P -31
 Cross Section -100.0 To 6.101 %

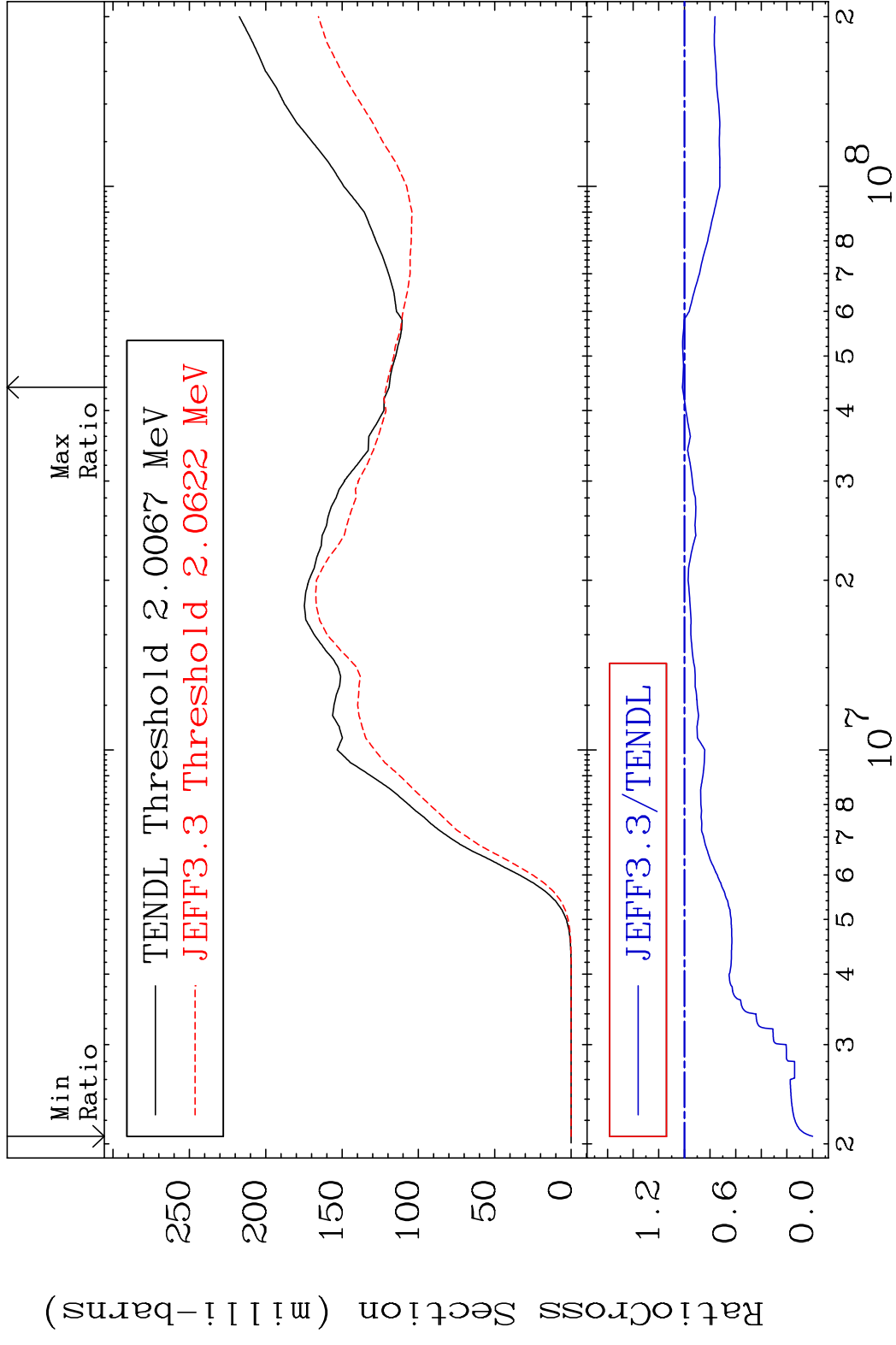


63 Incident Energy (eV) 15-P -31

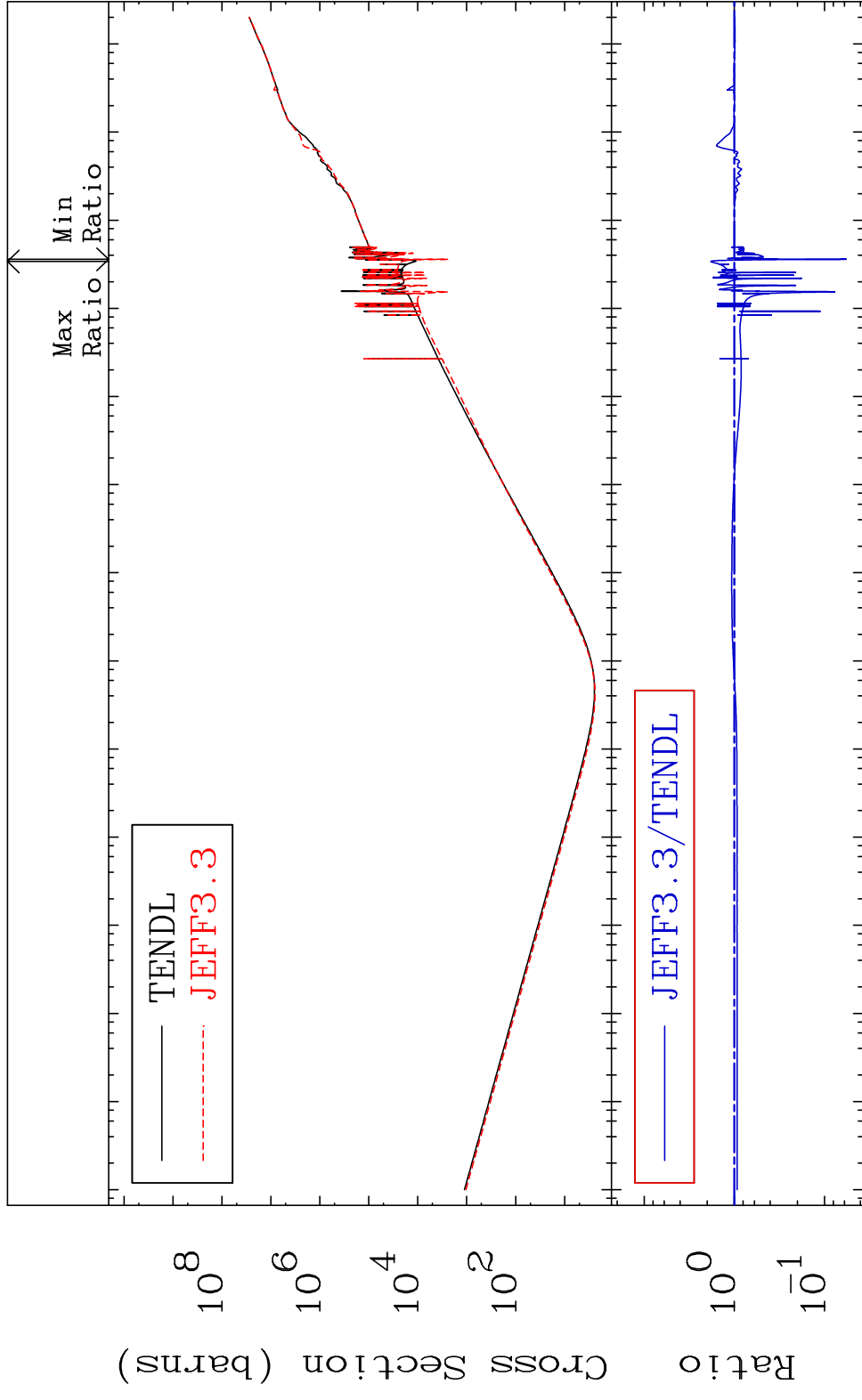
MAT 1525 He-3 Production 15-P -31
 Cross Section -100.0 To 88.05 %



MAT 1525 He-4 Production 15-P -31
 Cross Section -100.0 To 1.582 %



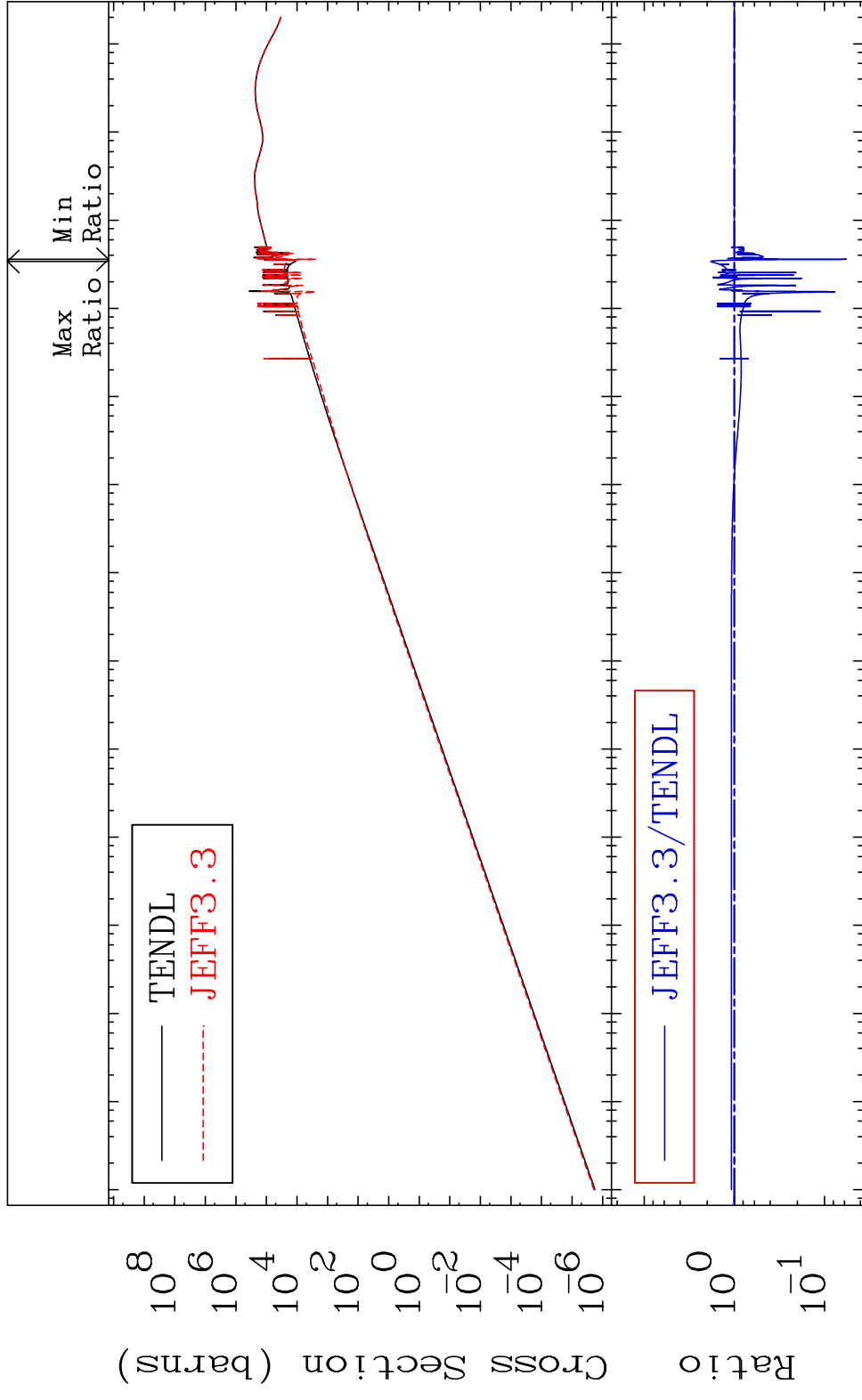
MAT 1525 Kerma total (eV-barns) 15-P -31
 Cross Section -94.27 To 82.94 %



MAT 1525

Kerma elastic
Cross Section

15-P -31
-94.27 To 82.94 %



10⁸
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸

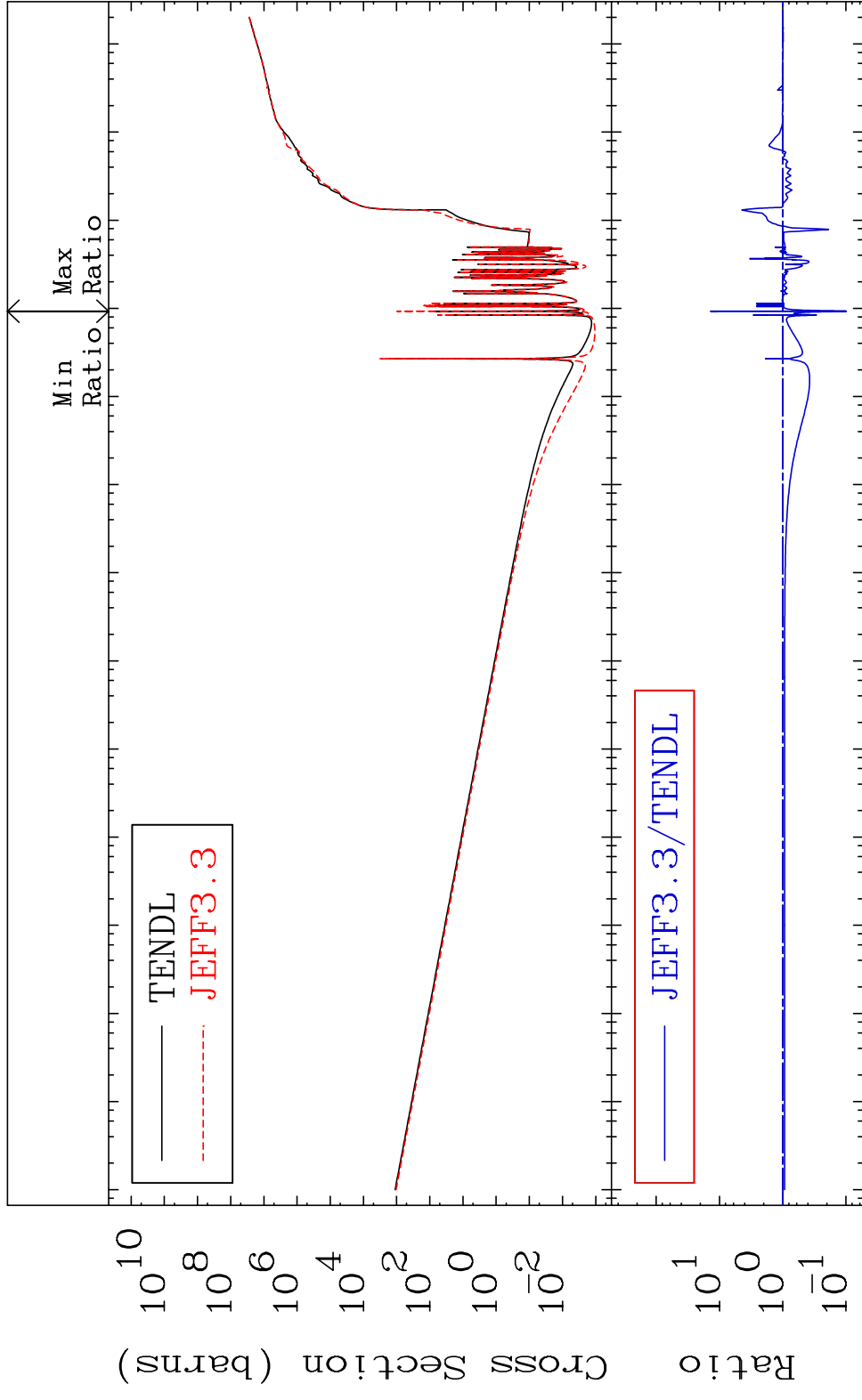
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

67

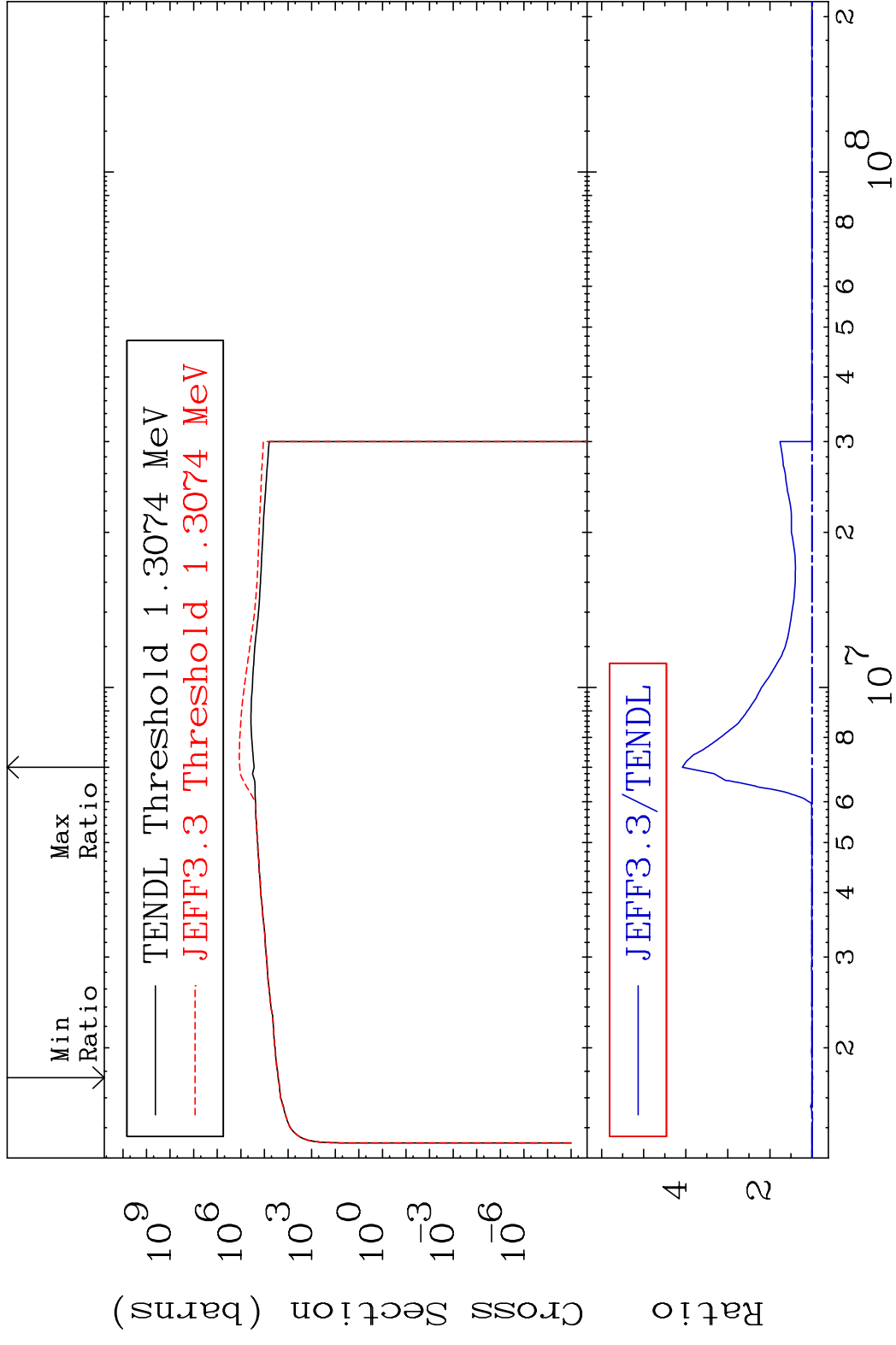
Incident Energy (eV)

15-P -31

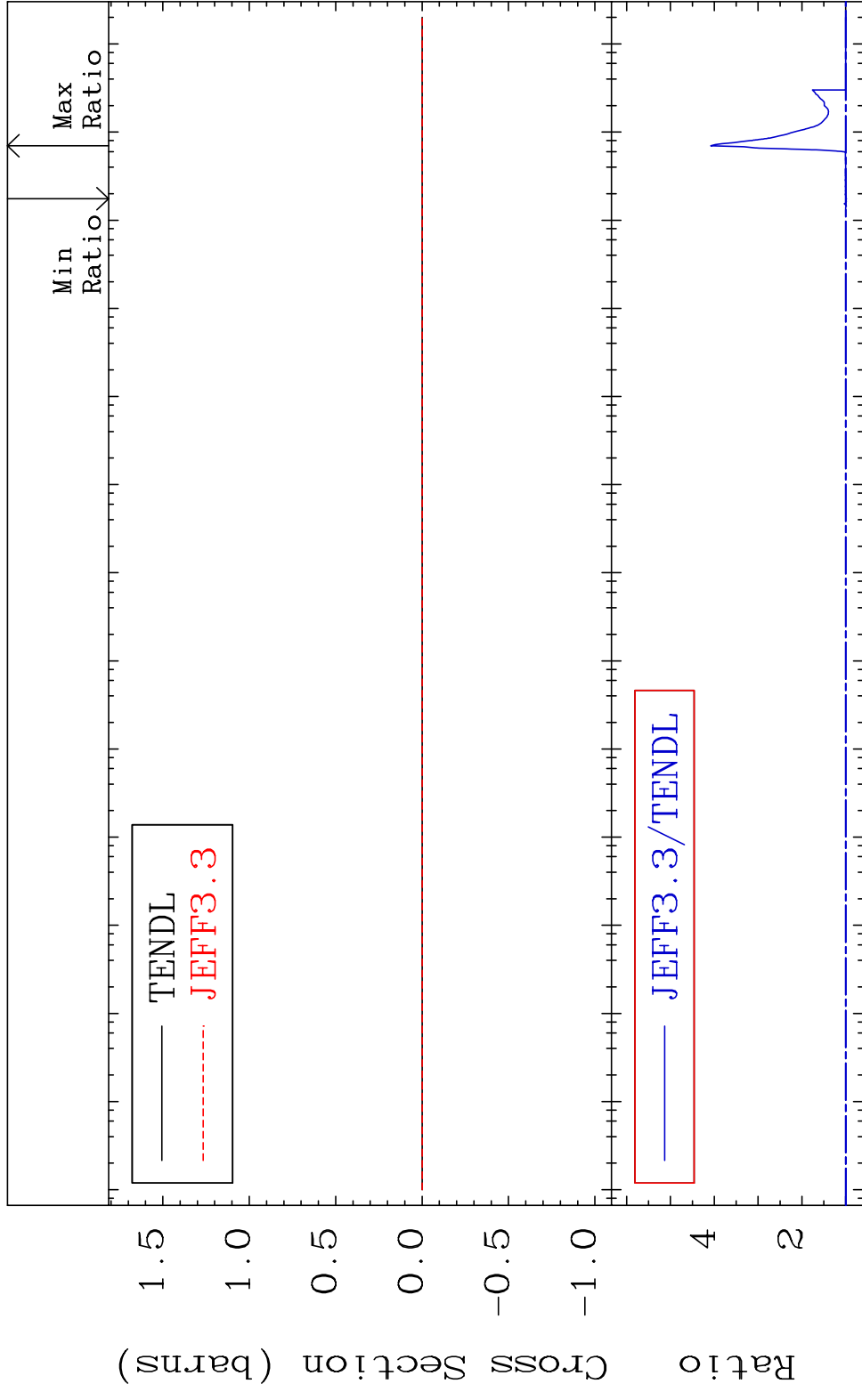
MAT 1525 Kerma non-elastic (all but mt2) 15-P -31
 Cross Section -90.14 To 1274. %



MAT 1525 Kerma inelastic (mt51-91) 15-P -31
 Cross Section -1.243 To 308.1 %

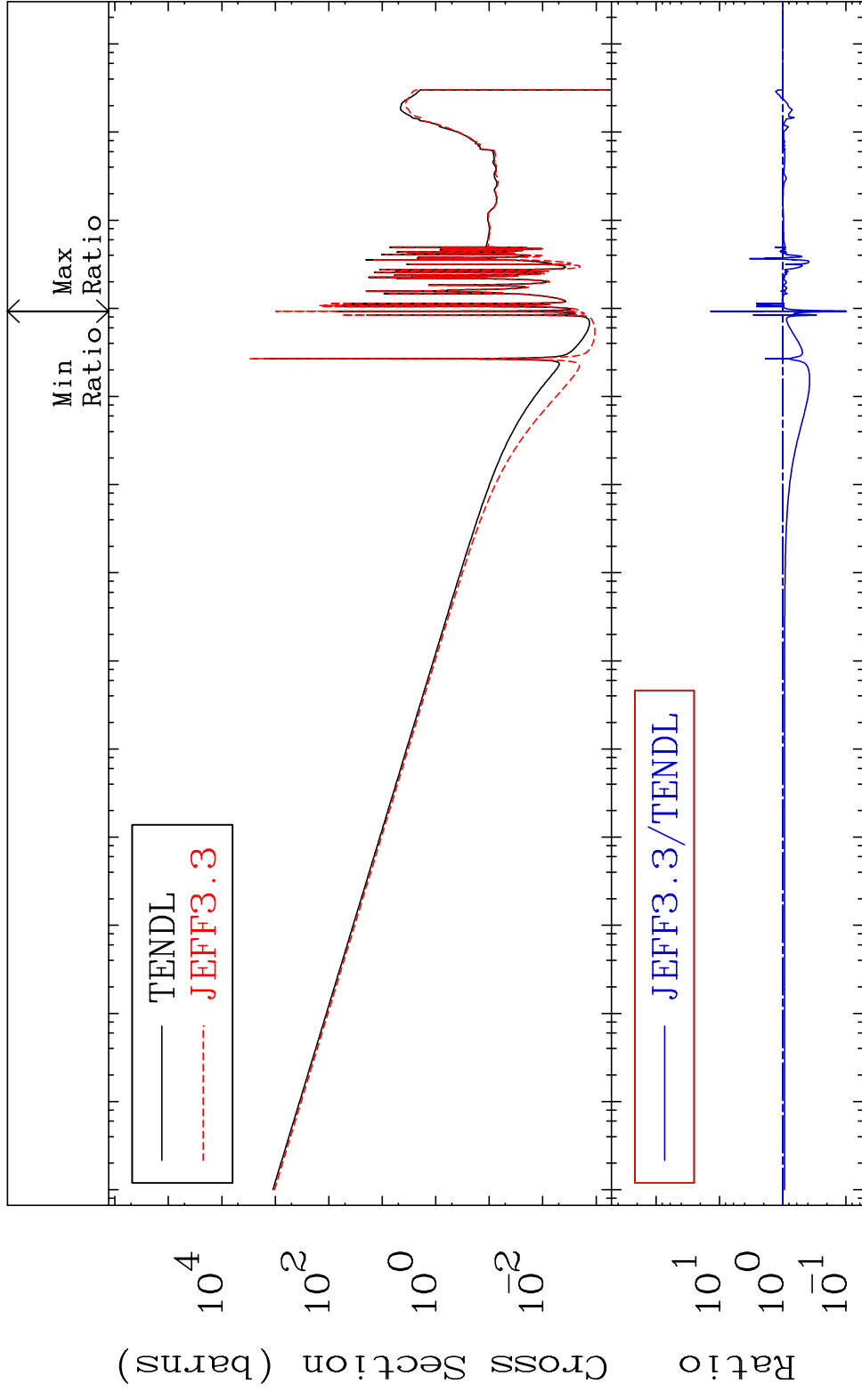


MAT 1525 Kerma fission (mt18 or mt19-20-21-38) 15-P -31
 Cross Section -1.243 To 308.1 %



MAT 1525

Kerma capture (mt102) 15-P -31
Cross Section -90.14 To 1274. %



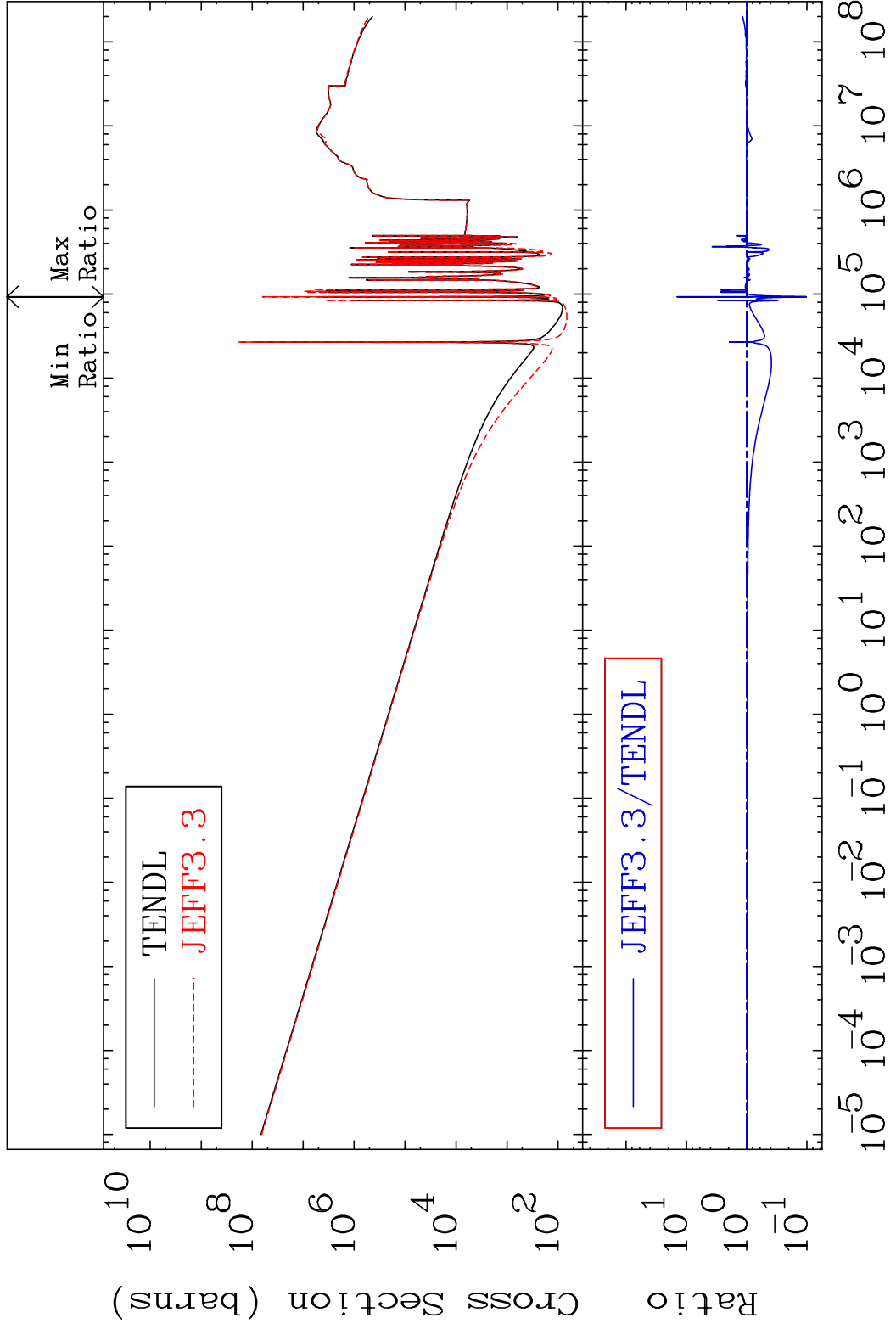
71

Incident Energy (eV)

15-P -31

MAT 1525

Total photon (eV-barns) 15-P -31
Cross Section -89.78 To 1324. %

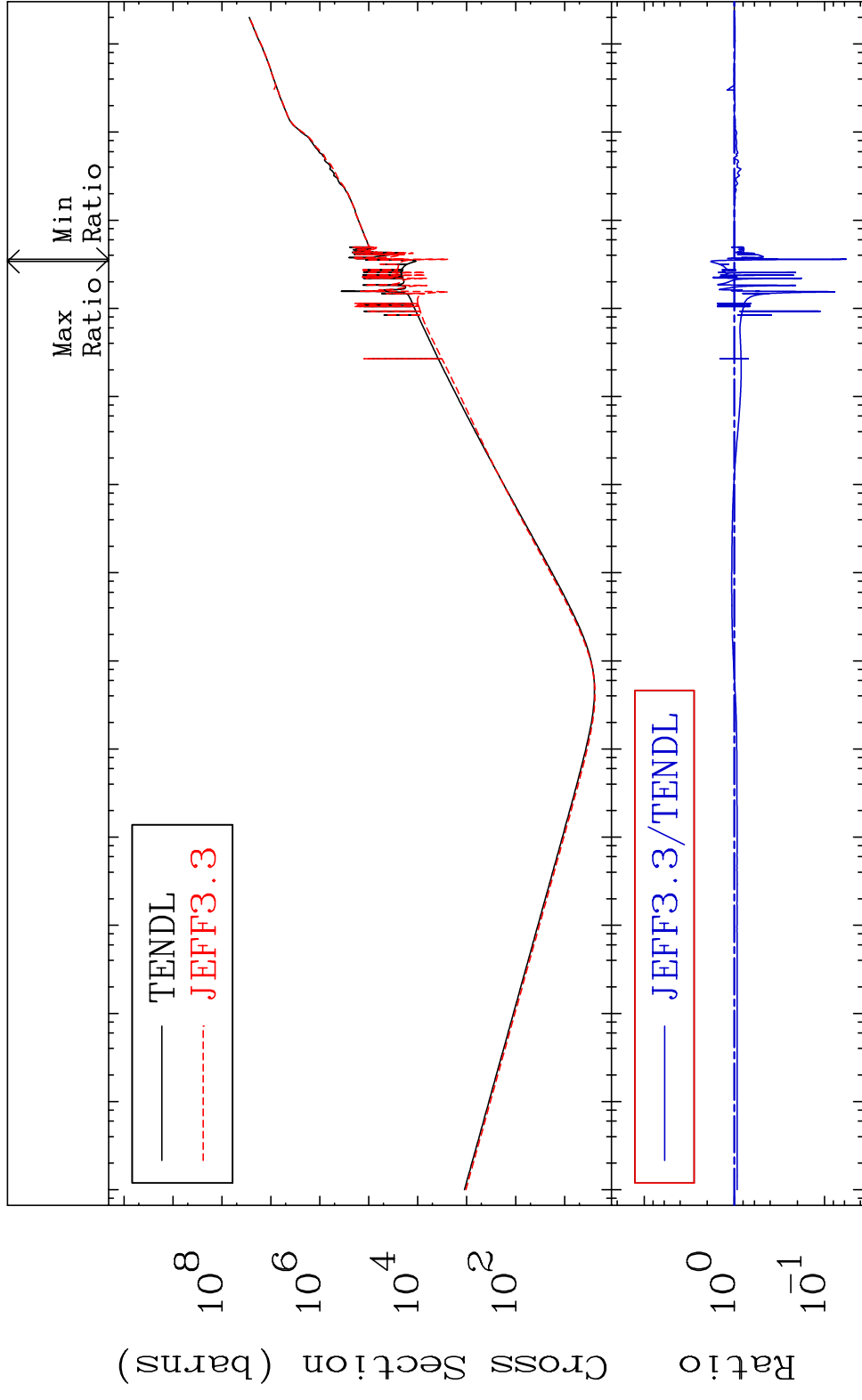


72

Incident Energy (eV)

15-P -31

MAT 1525 Total kinematic kerma (high limit) 15-P -31
 Cross Section -94.27 To 82.94 %



Ratio
 10⁸
 10⁶
 10⁴
 10²
 10⁰
 10⁻¹

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

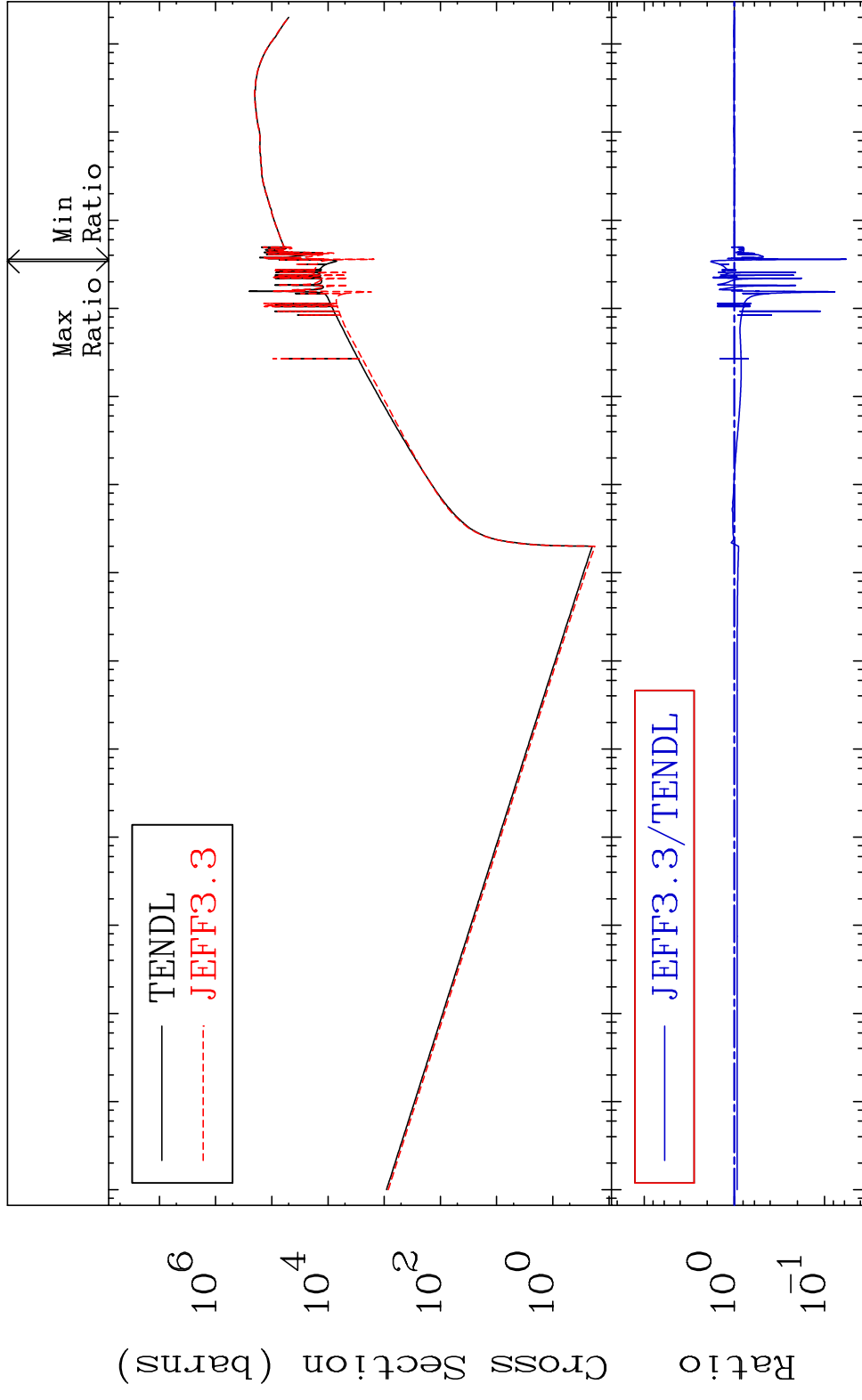
73 Incident Energy (eV) 15-P -31

MAT 1525

Dpa total (eV-barns)

15-P -31

Cross Section -94.27 To 82.94 %



74

Incident Energy (eV)

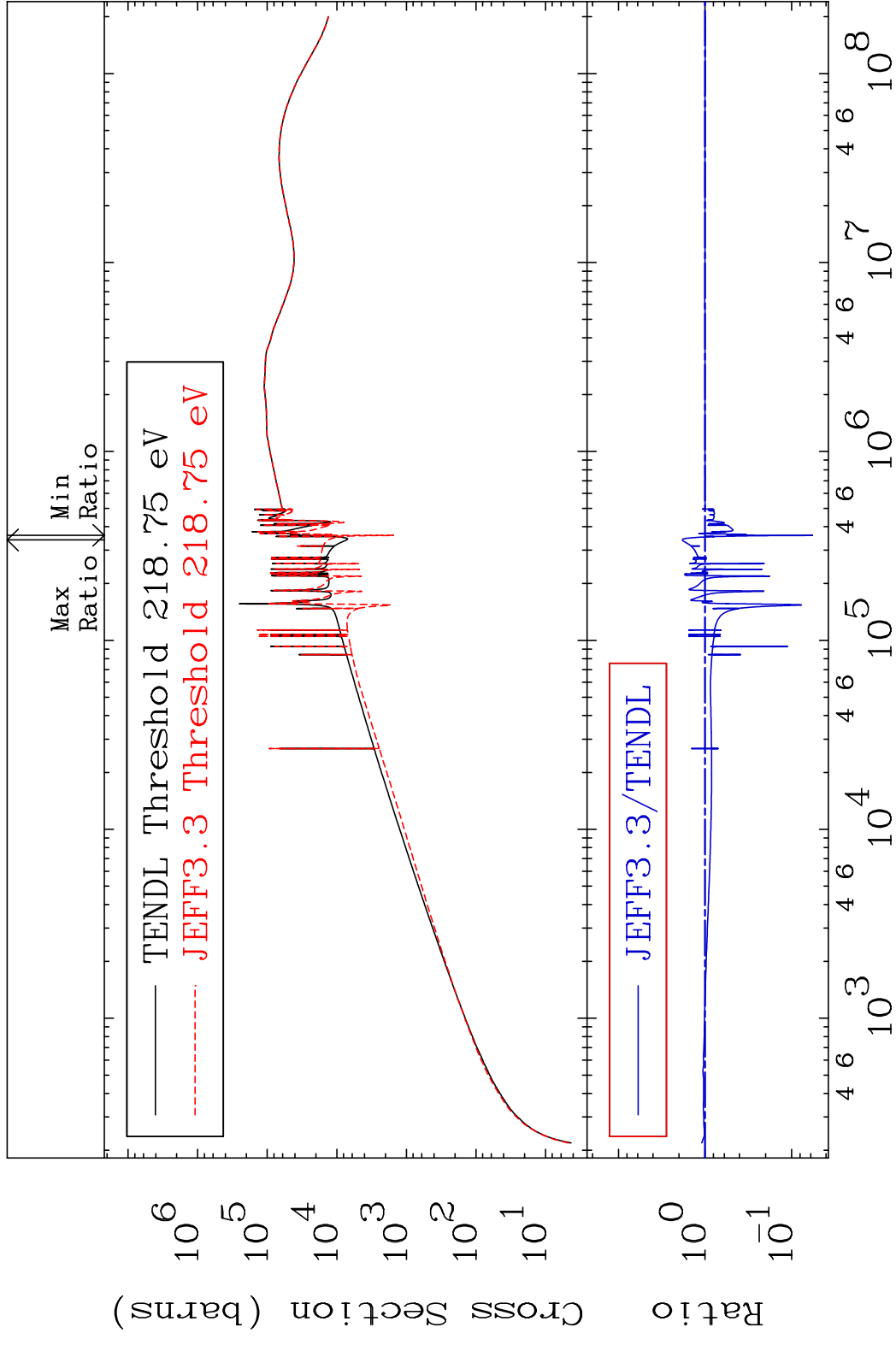
15-P -31

MAT 1525

Dpa elastic (mt2)

15-P -31

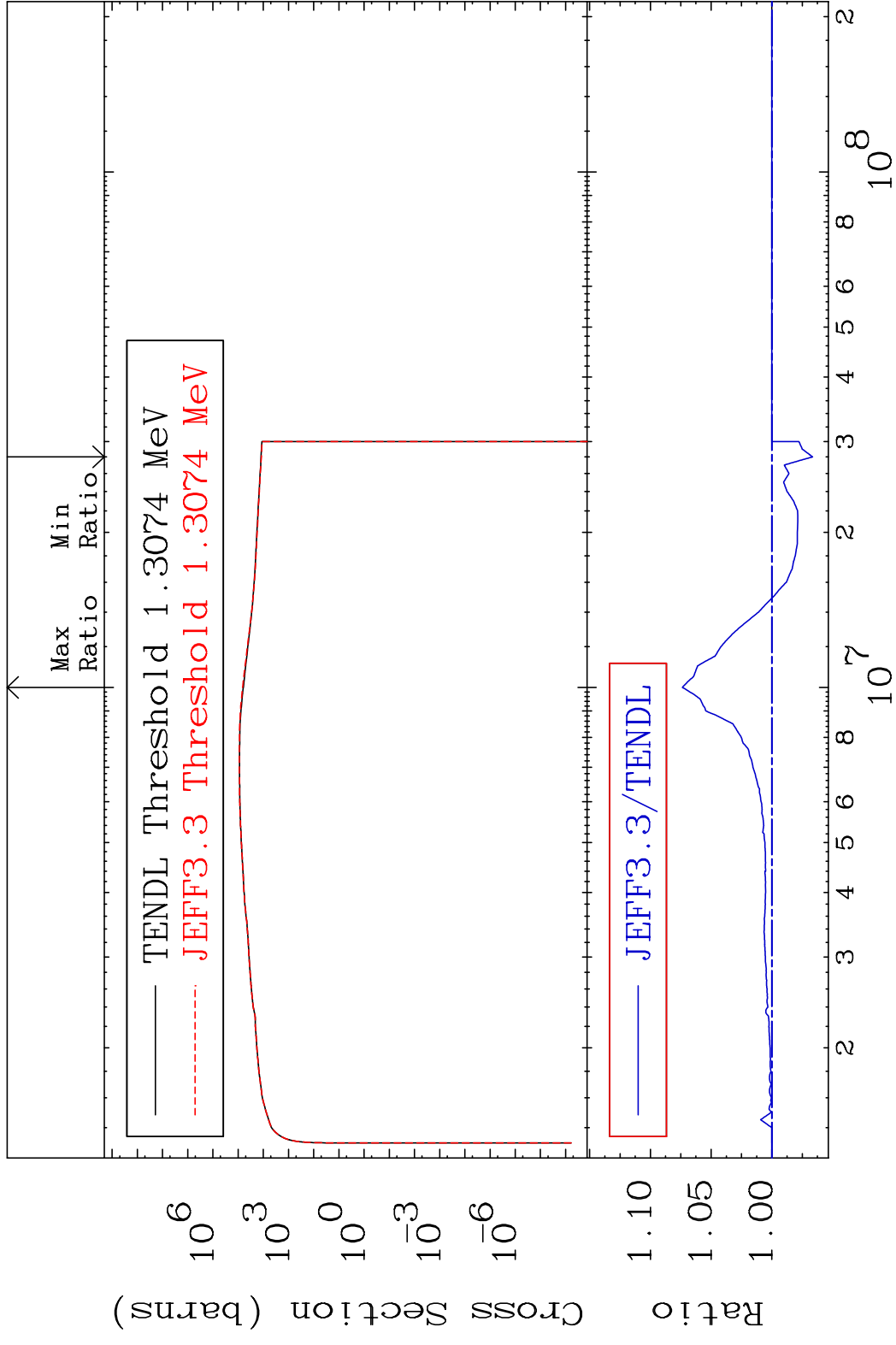
Cross Section -94.27 To 82.94 %



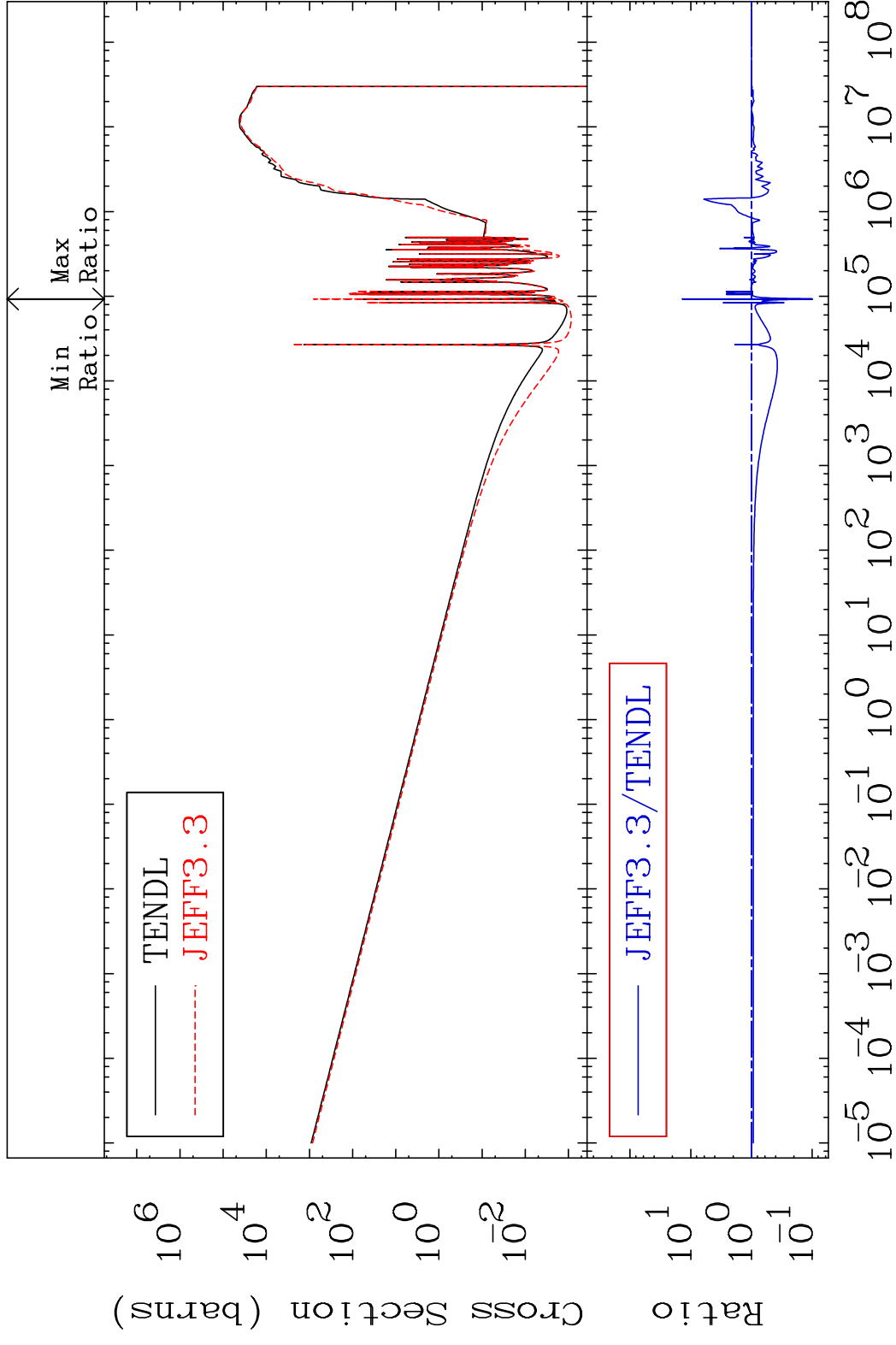
75

Incident Energy (eV)

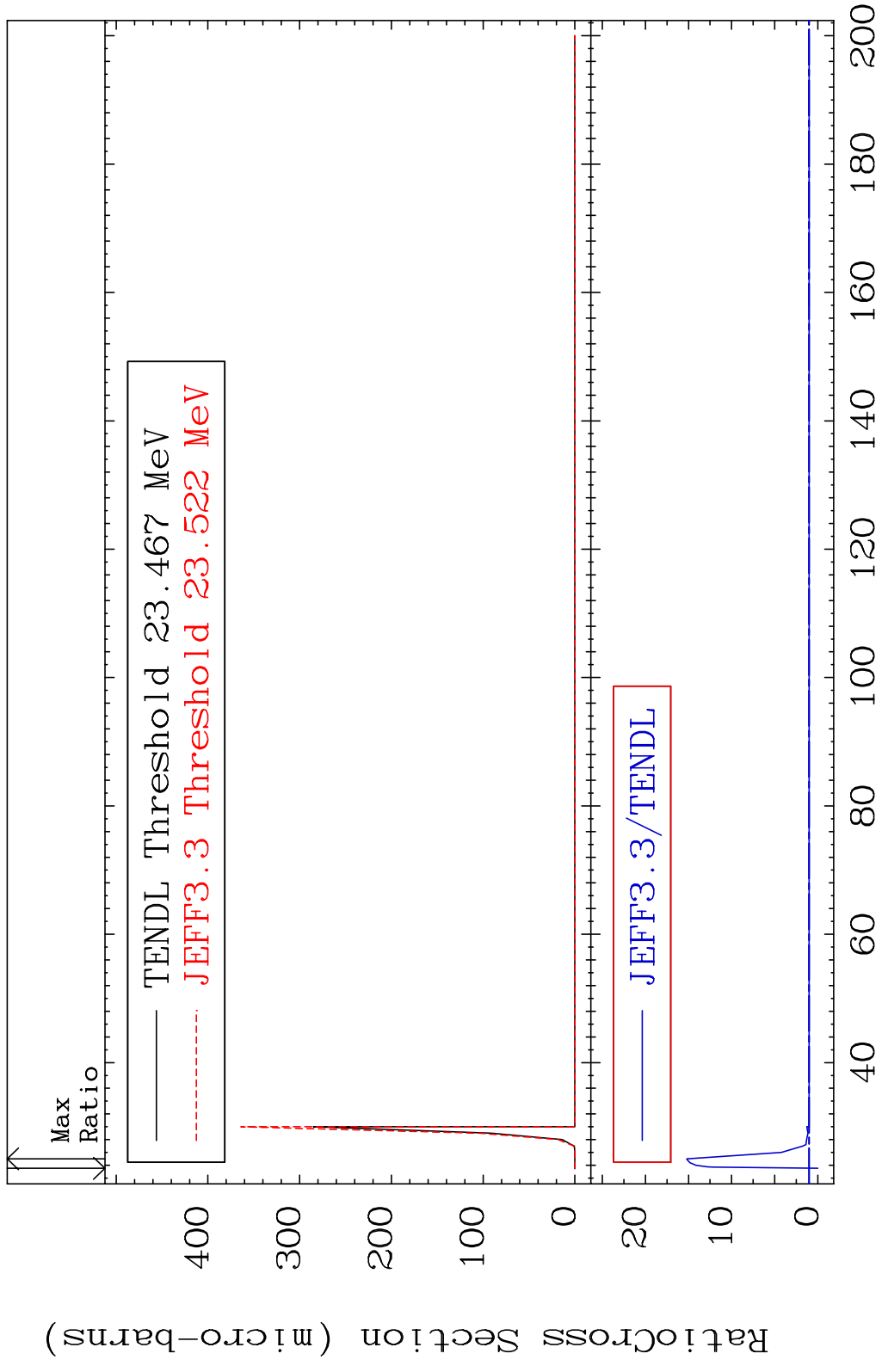
15-P -31



MAT 1525 Dpa disappearance (mt102 -120) 15-P -31
 Cross Section -90.15 To 1273. %



MAT 1525 (n,2n) α :13-Al-26g 15-P -31
 Radionuclide Production Cross Section 15-P -31
 1800.0 dth 1421. %



MAT 1525 (n,2n) α :13-Al-26m1 15-P -31
 Radionuclide Production Cross Section to 9999. %

