

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

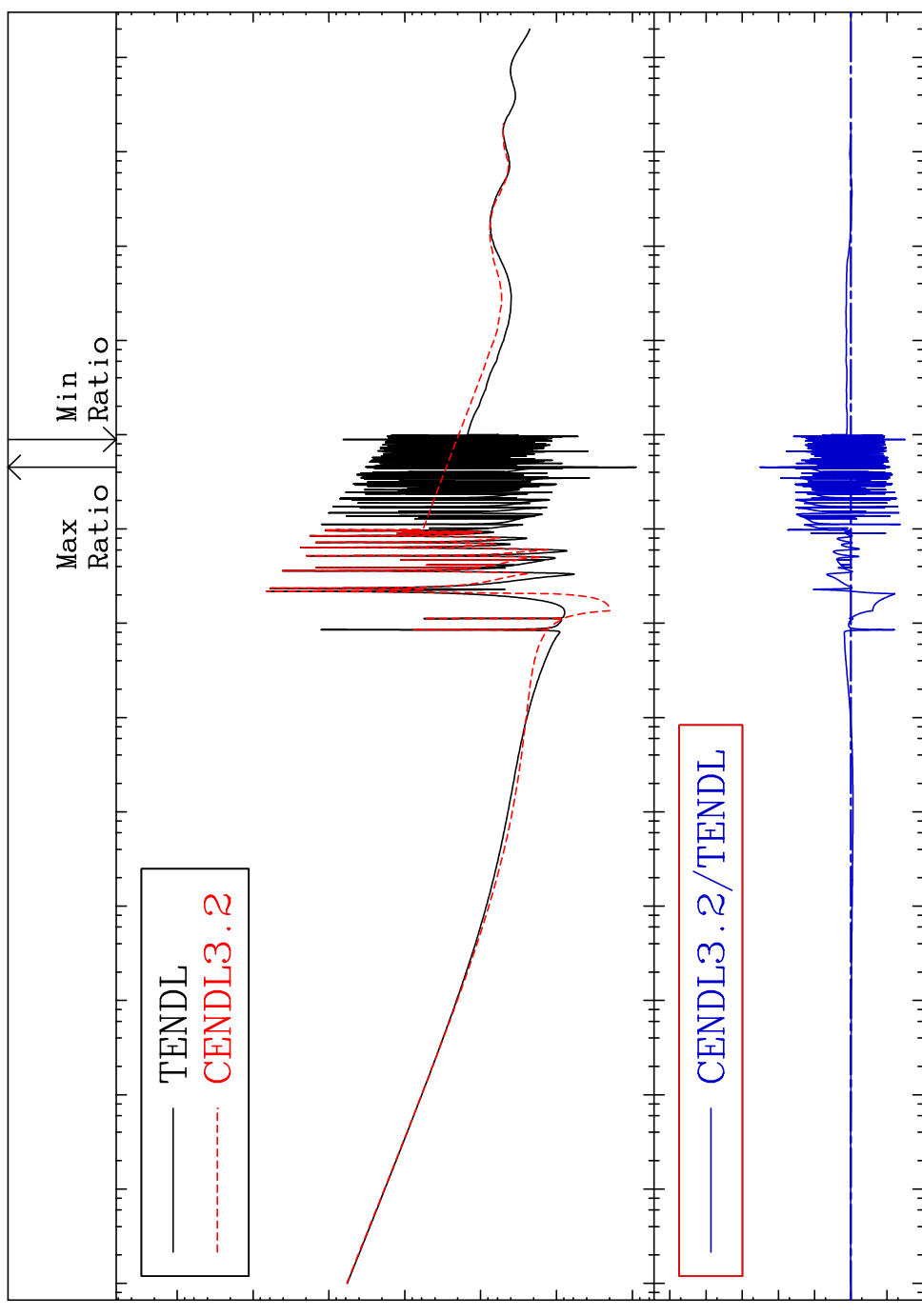
MAT 5925

Total

59-Pr-141

Cross Section

-96.84 To 9999. %



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

Cross Section (barns)

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

1

Incident Energy (eV)

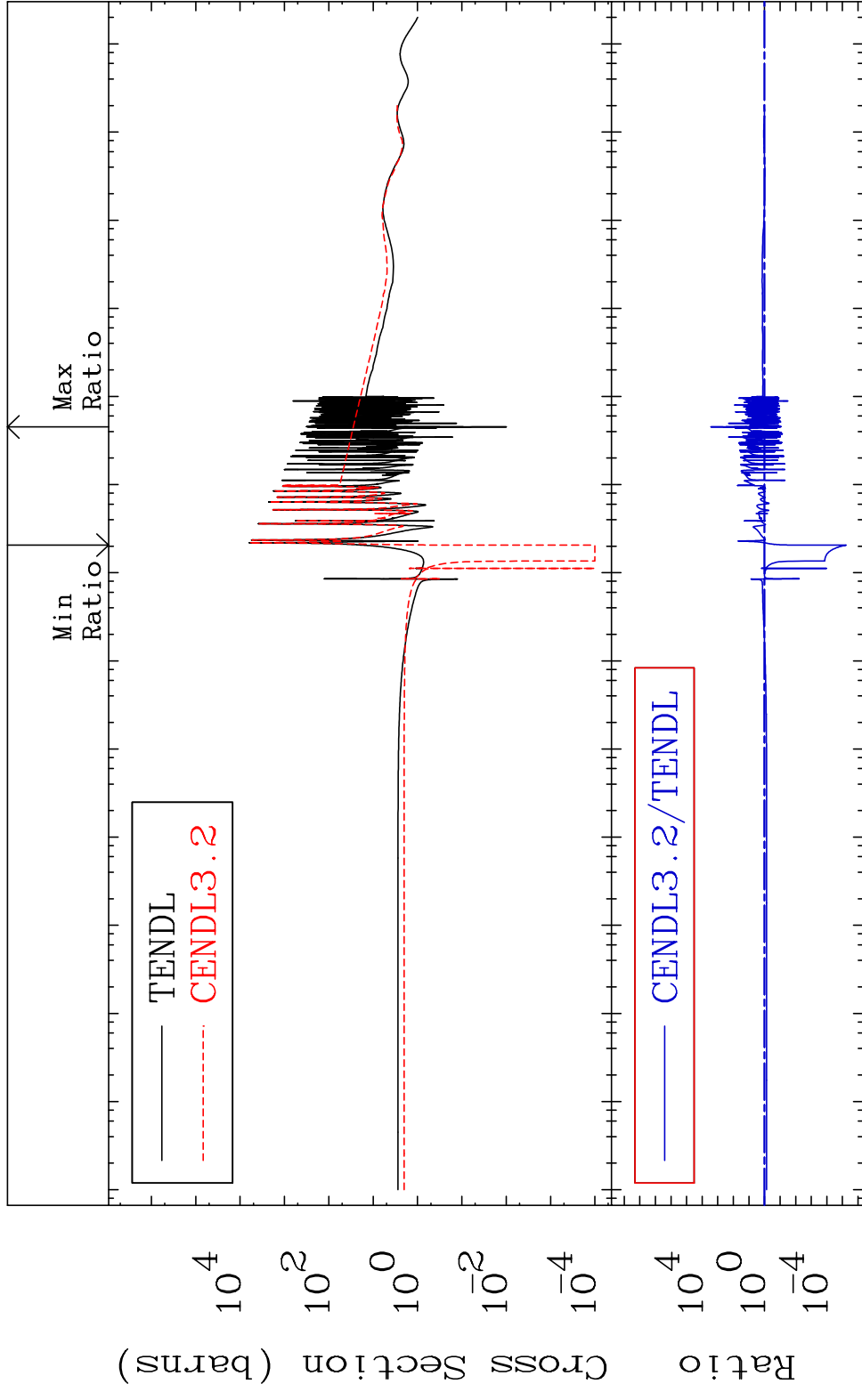
59-Pr-141

MAT 5925

Elastic

59-Pr-141

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)

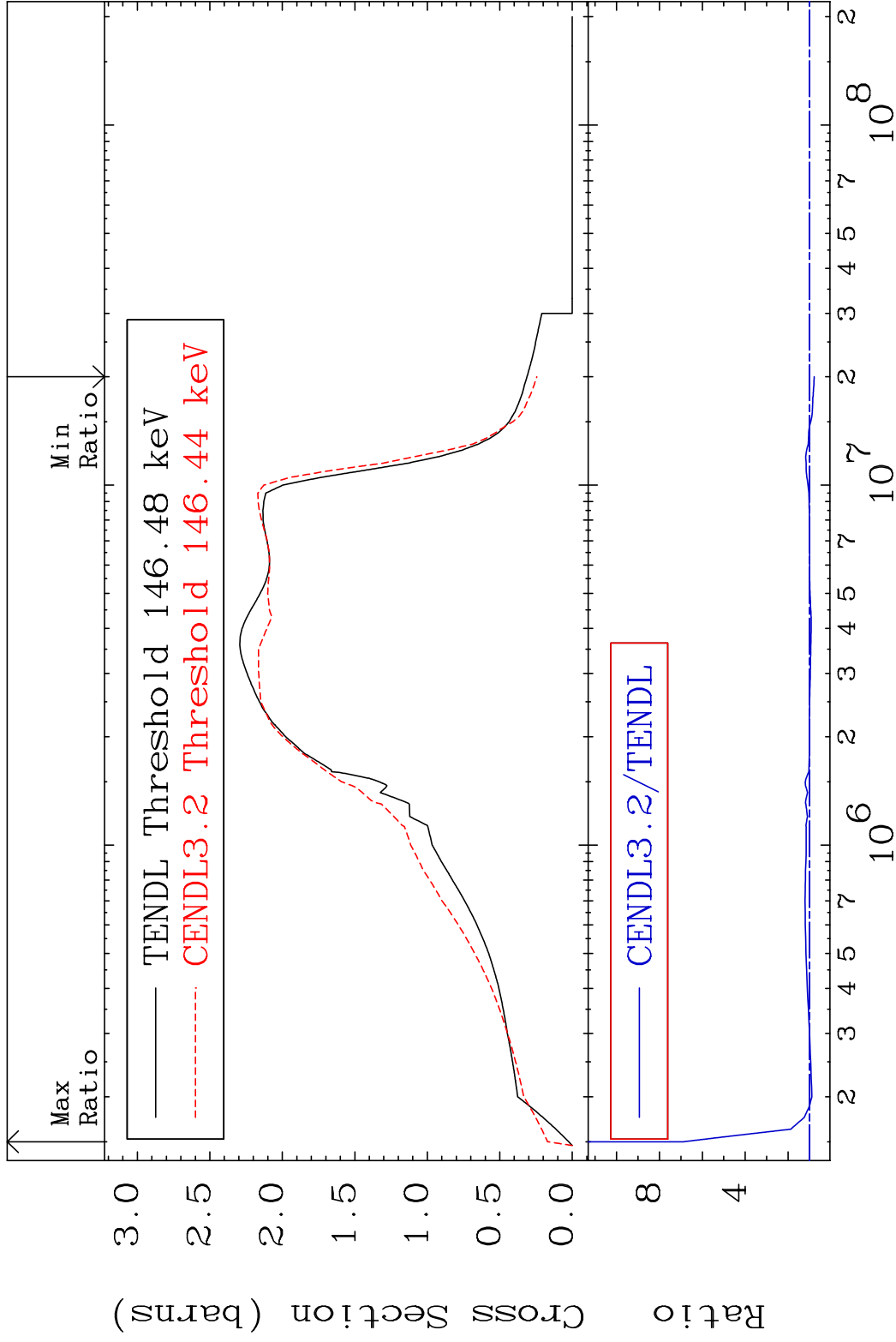
59-Pr-141

MAT 5925

Inelastic

59-Pr-141

Cross Section -21.41 To 587.1 %



3

Incident Energy (eV)

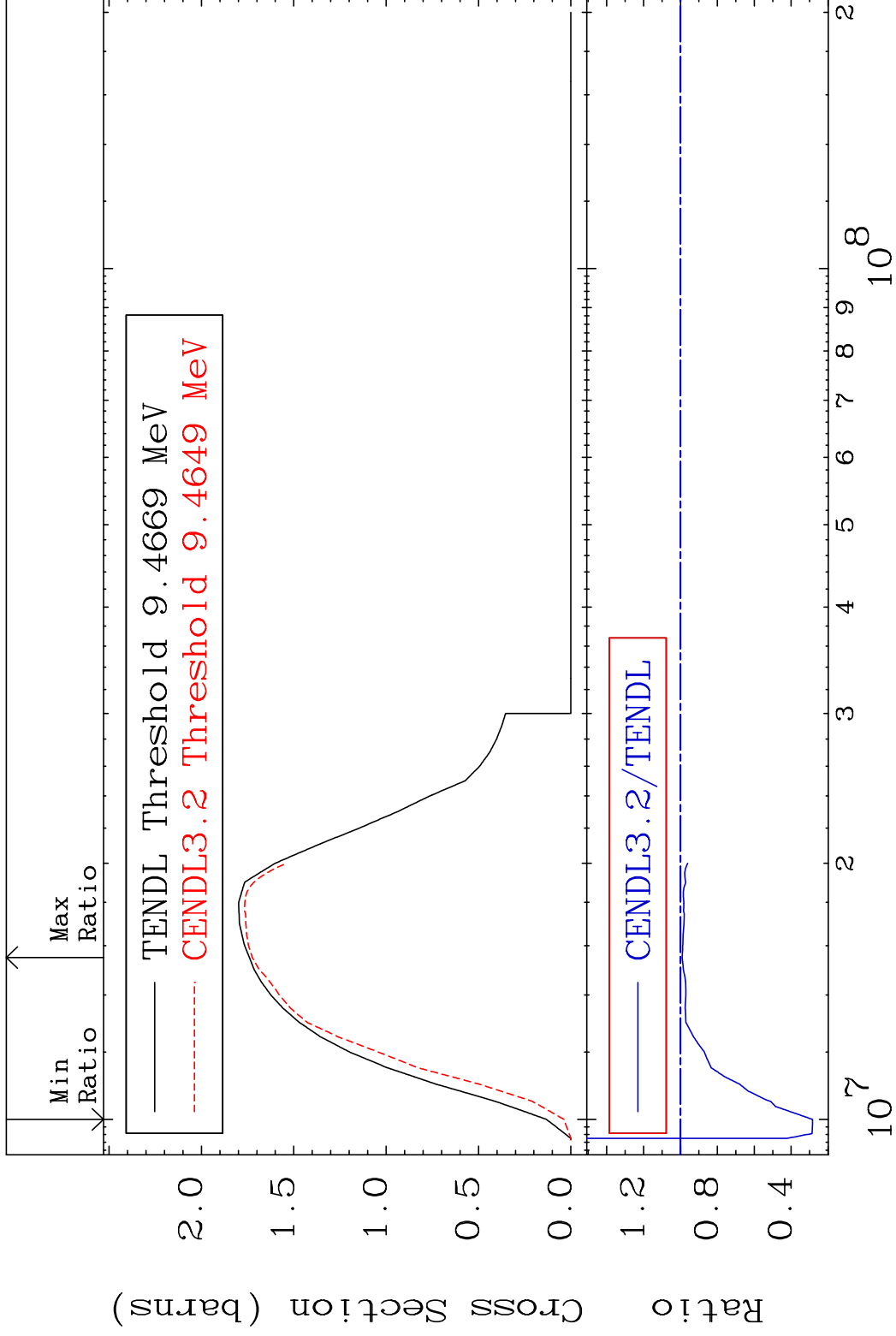
59-Pr-141

MAT 5925

(n,2n)

59-Pr-141

Cross Section -71.54 To -0.902%



59-Pr-141

Incident Energy (eV)

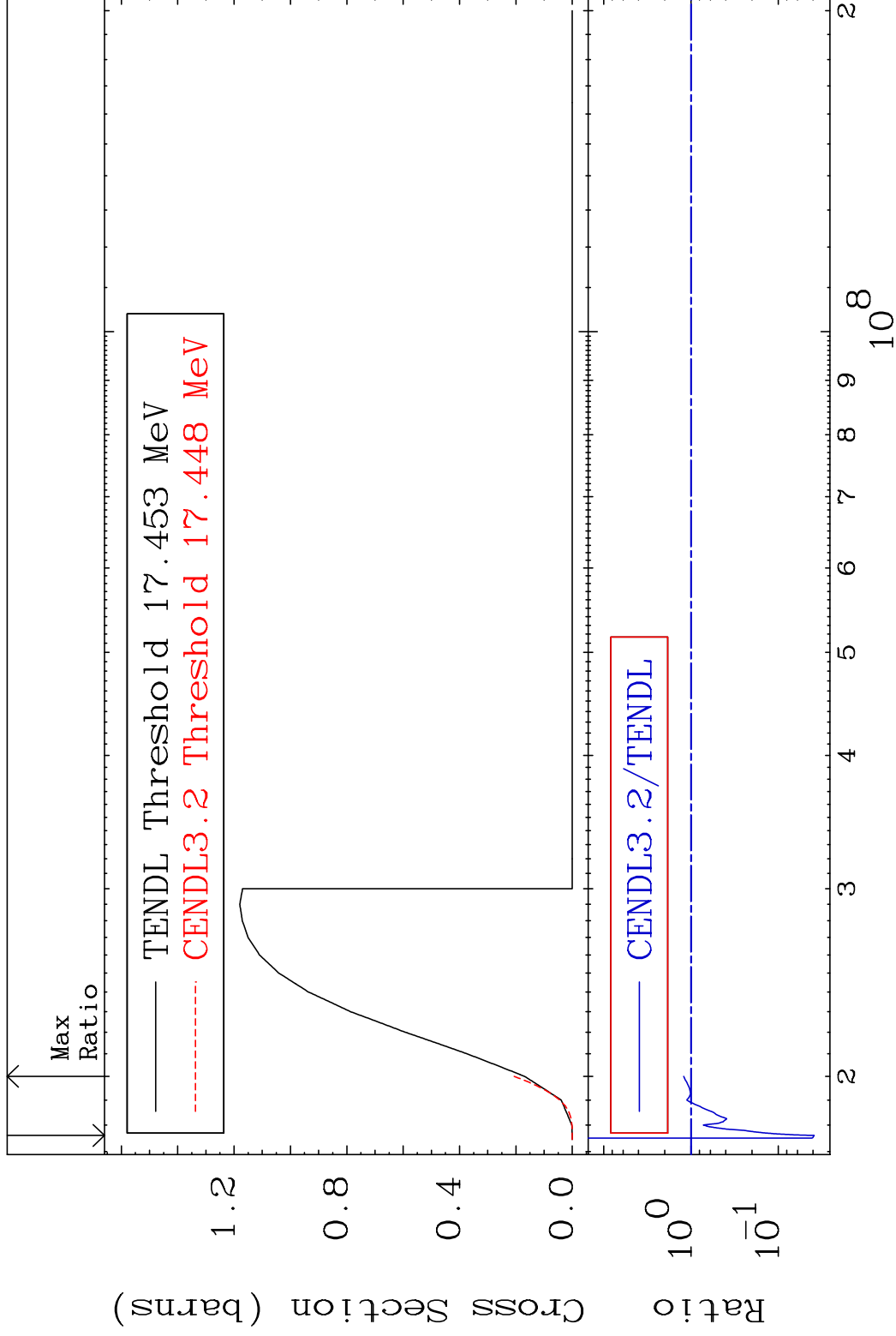
MAT 5925

MAT 5925

(n,3n)

59-Pr-141

Cross Section -96.12 To 21.41 %



5

Incident Energy (eV)

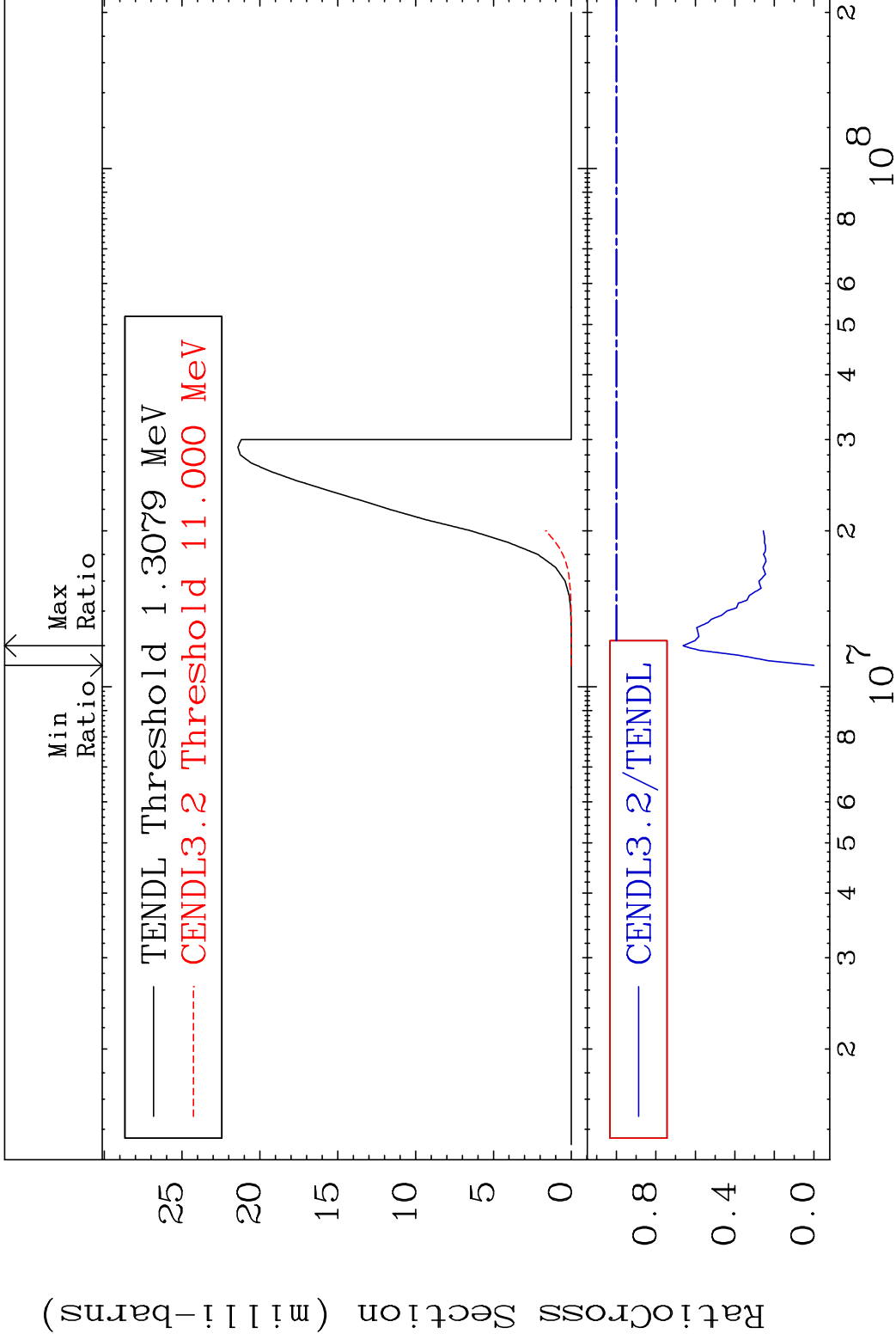
59-Pr-141

MAT 5925

(n, n') α

59-Pr-141

Cross Section -100.0 To -33.76%



6

Incident Energy (eV)

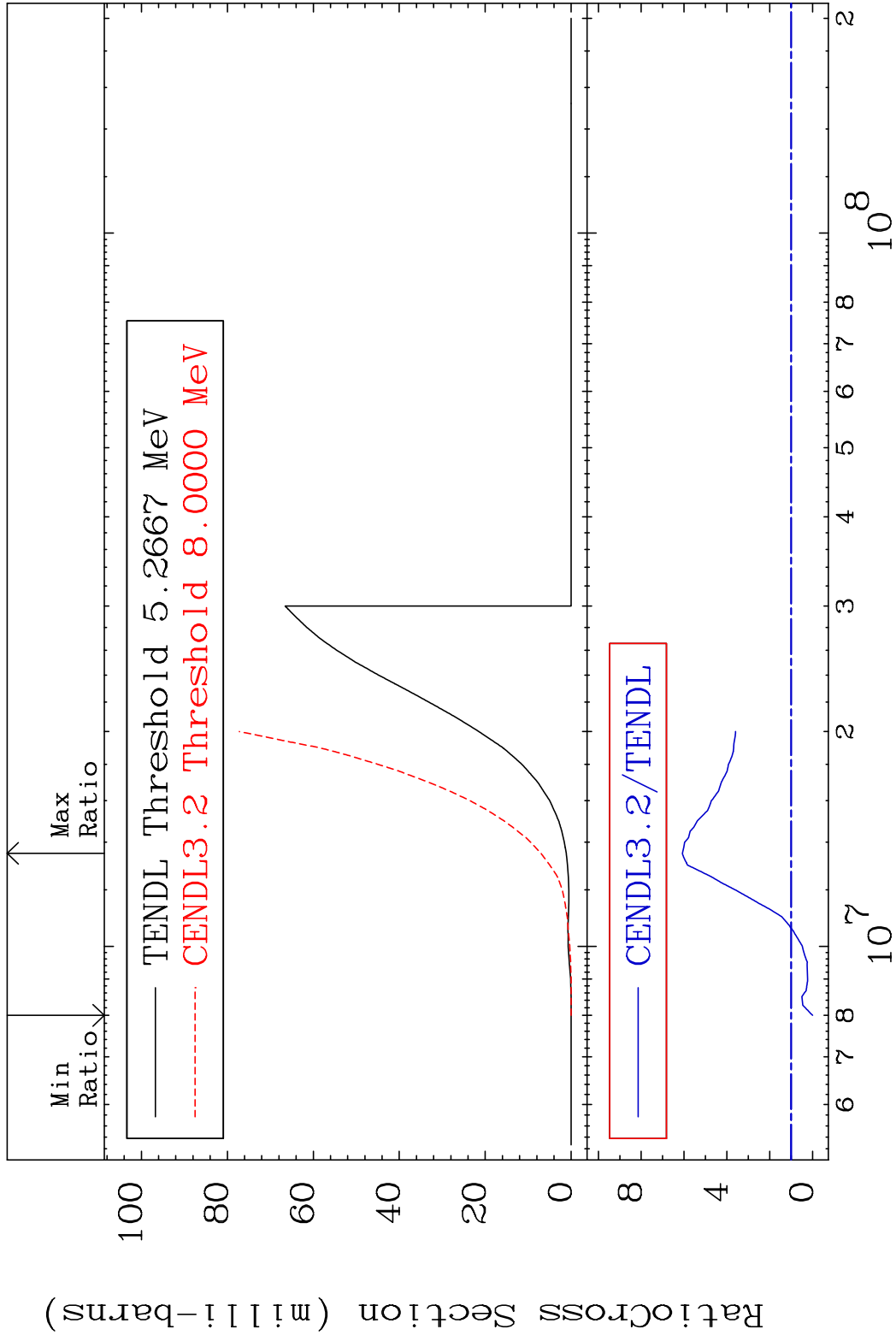
59-Pr-141

MAT 5925

(n, n') p

59-Pr-141

Cross Section -100.0 To 507.9 %

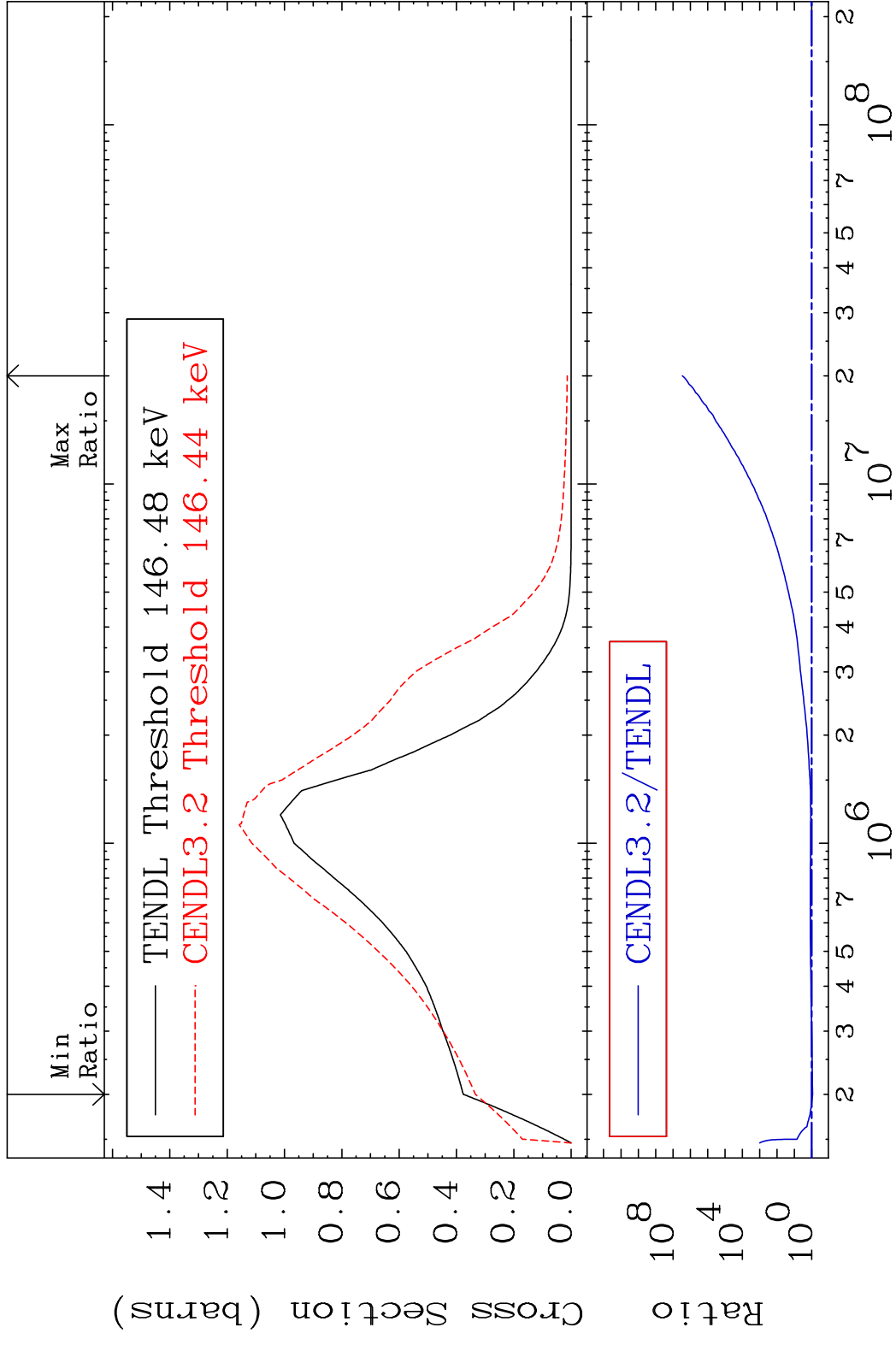


7

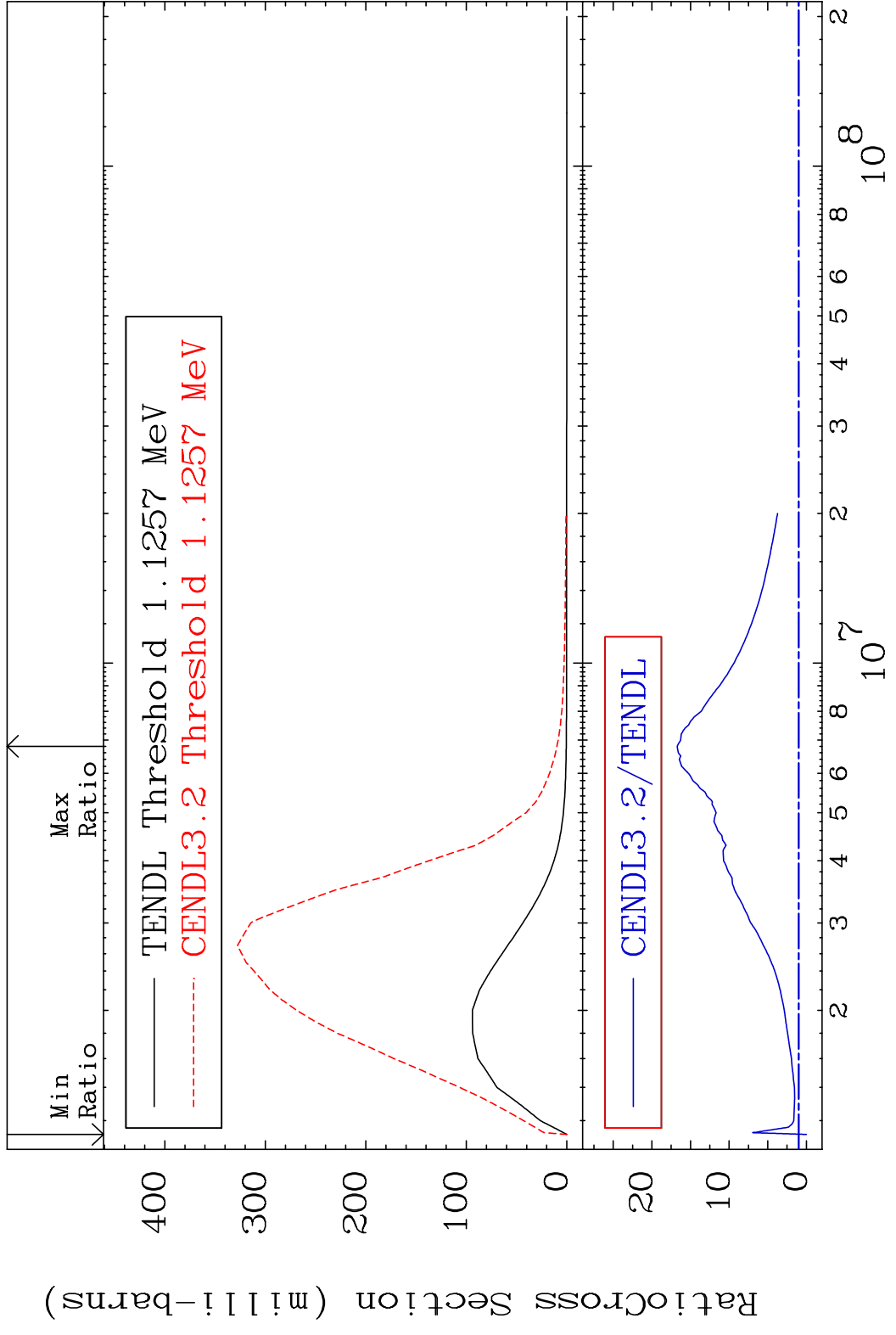
Incident Energy (eV)

59-Pr-141

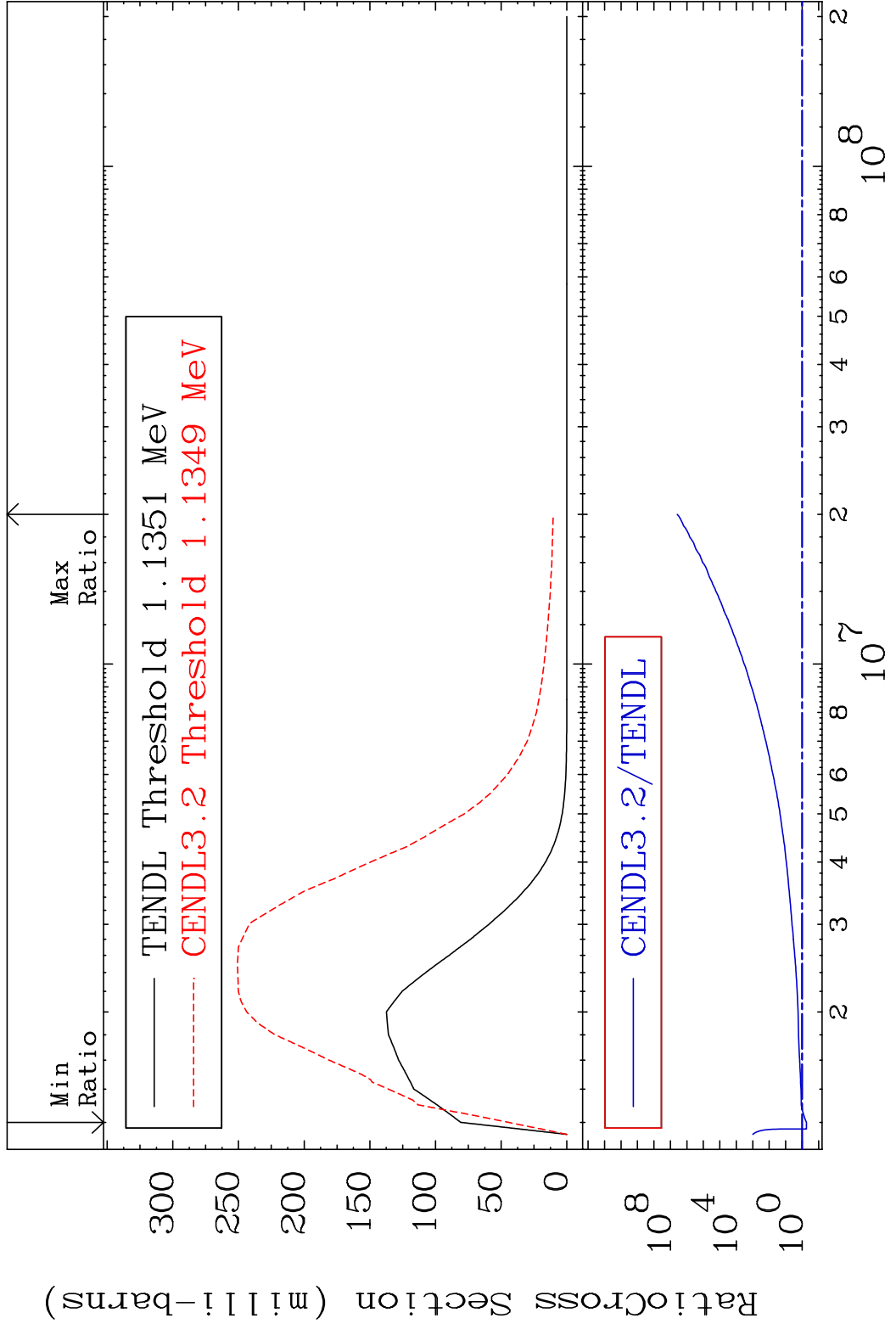
MAT 5925 MT= 51 (n,n') Level 59-Pr-141
 Cross Section -11.19 To 9999. %



MAT 5925 MT= 52 (n, n') Level 59-Pr-141
 Cross Section -100.0 To 1573. %

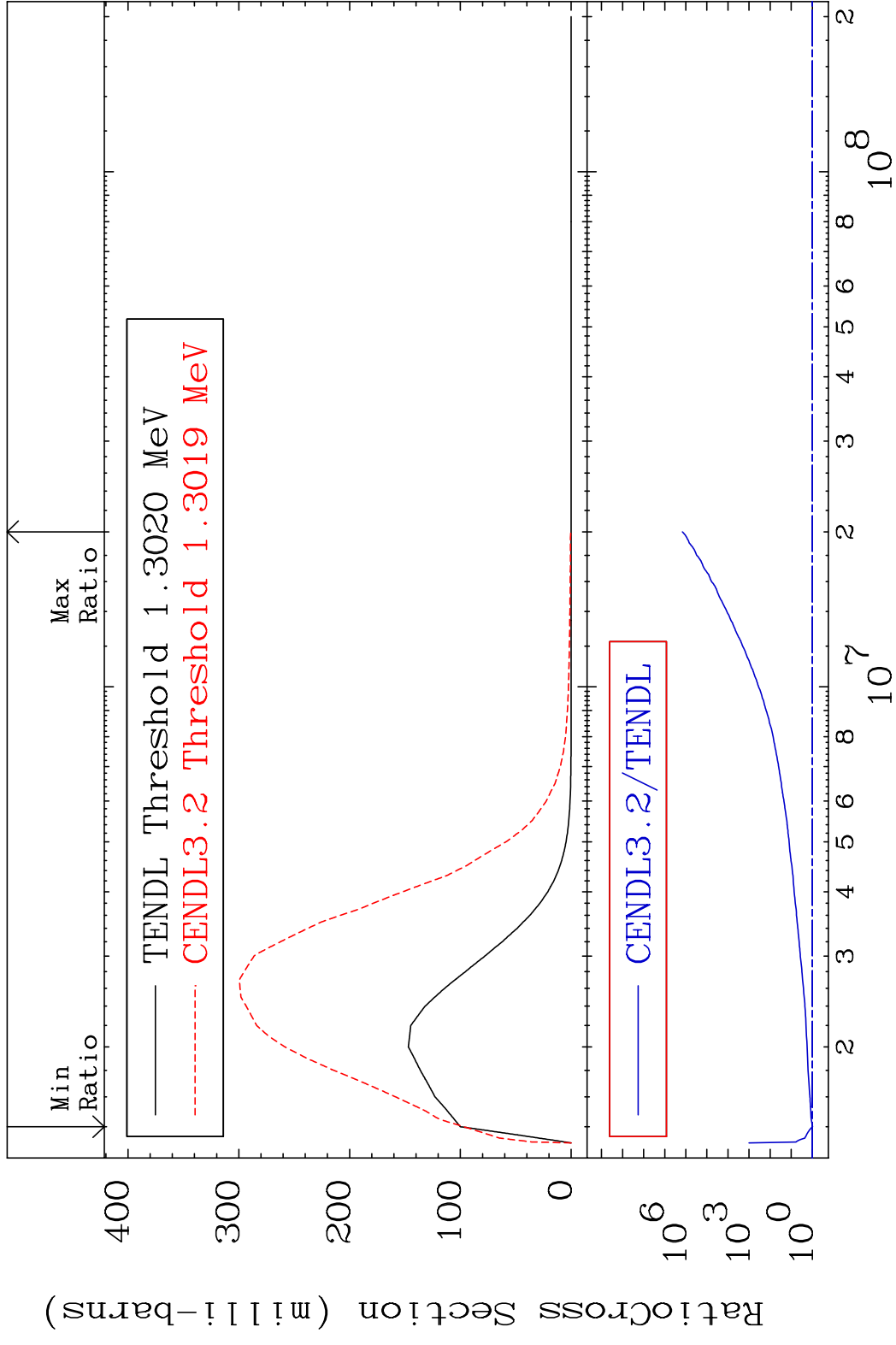


MAT 5925 MT= 53 (n, n') Level 59-Pr-141
 Cross Section -45.22 To 9999. %

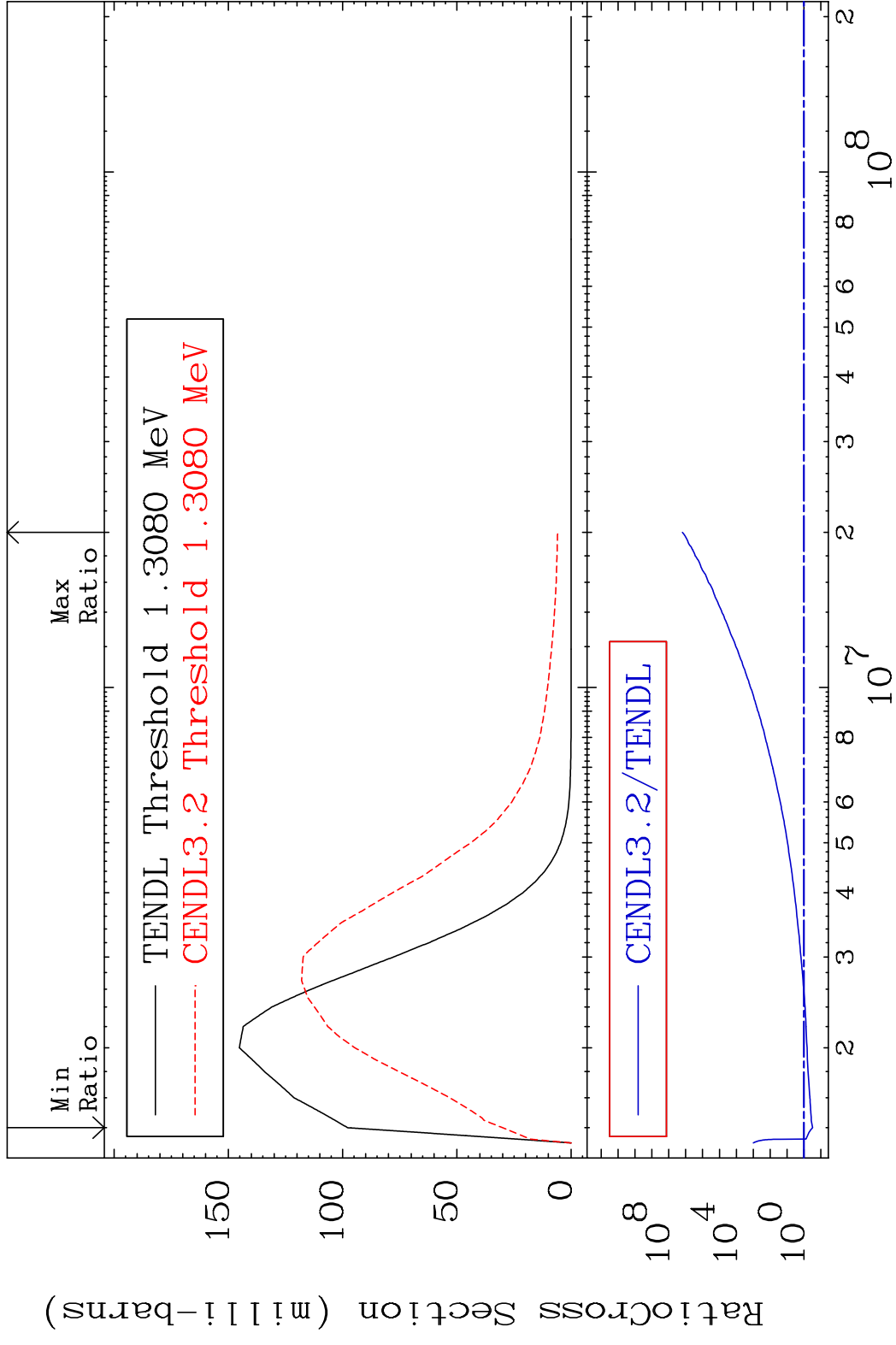


10 Incident Energy (eV) 59-Pr-141

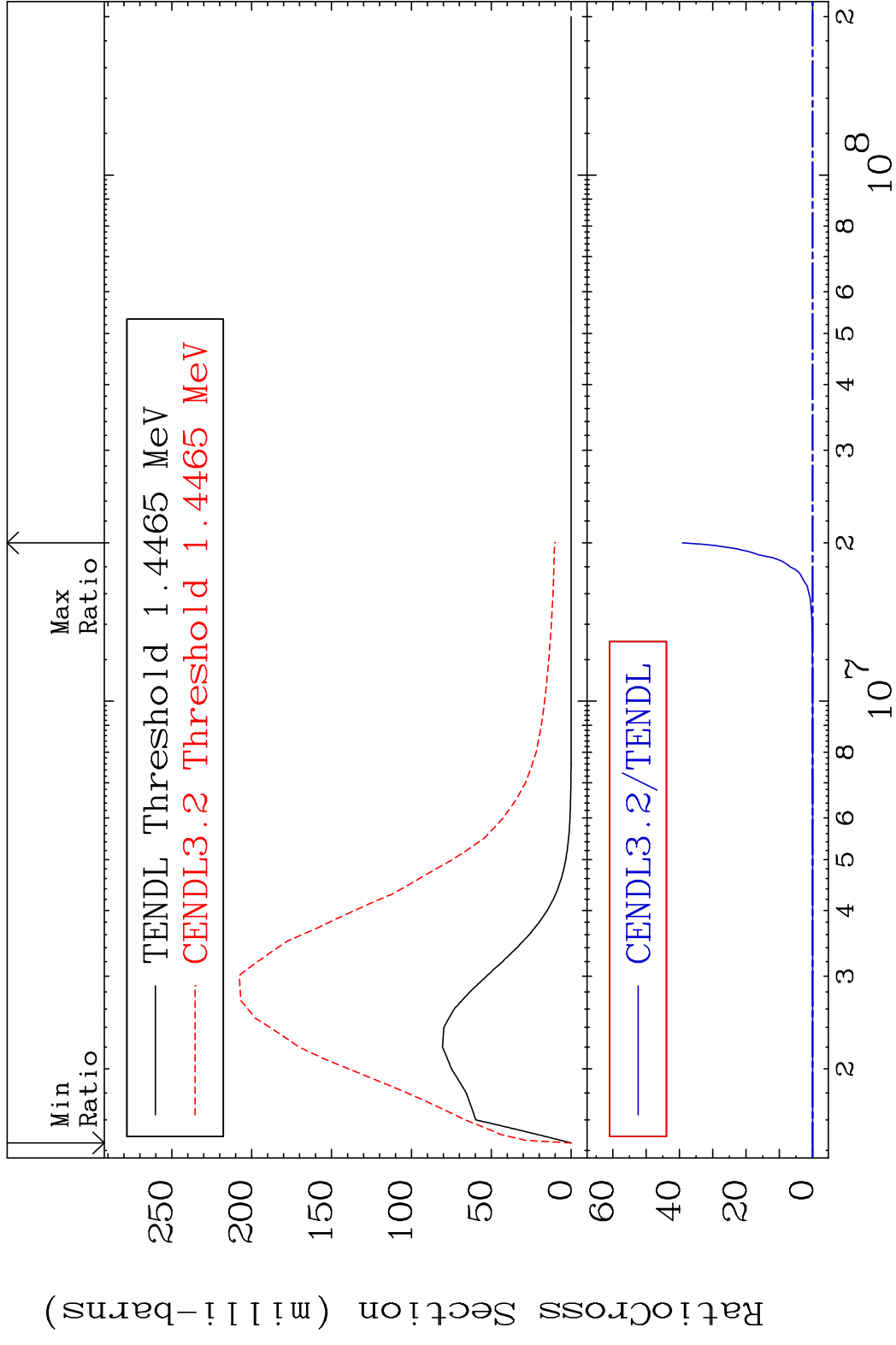
MAT 5925 MT= 54 (n, n') Level 59-Pr-141
 Cross Section -3.103 To 9999. %



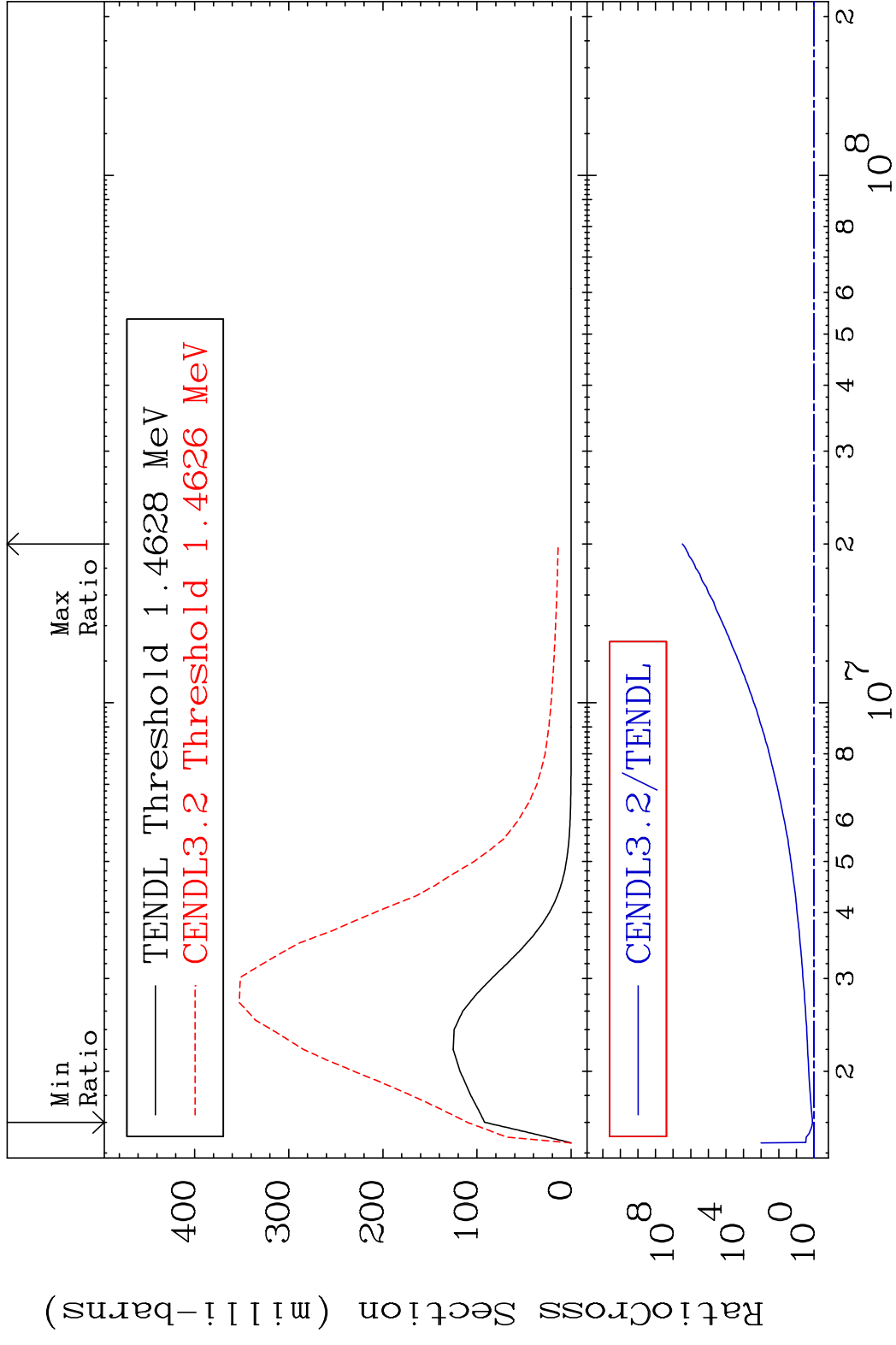
MAT 5925 MT= 55 (n, n') Level 59-Pr-141
 Cross Section -69.28 To 9999. %



MAT 5925 MT= 56 (n, n') Level 59-Pr-141
 Cross Section -100.0 To 9999. %



MAT 5925 MT= 57 (n, n') Level 59-Pr-141
 Cross Section 19.94 To 9999. %

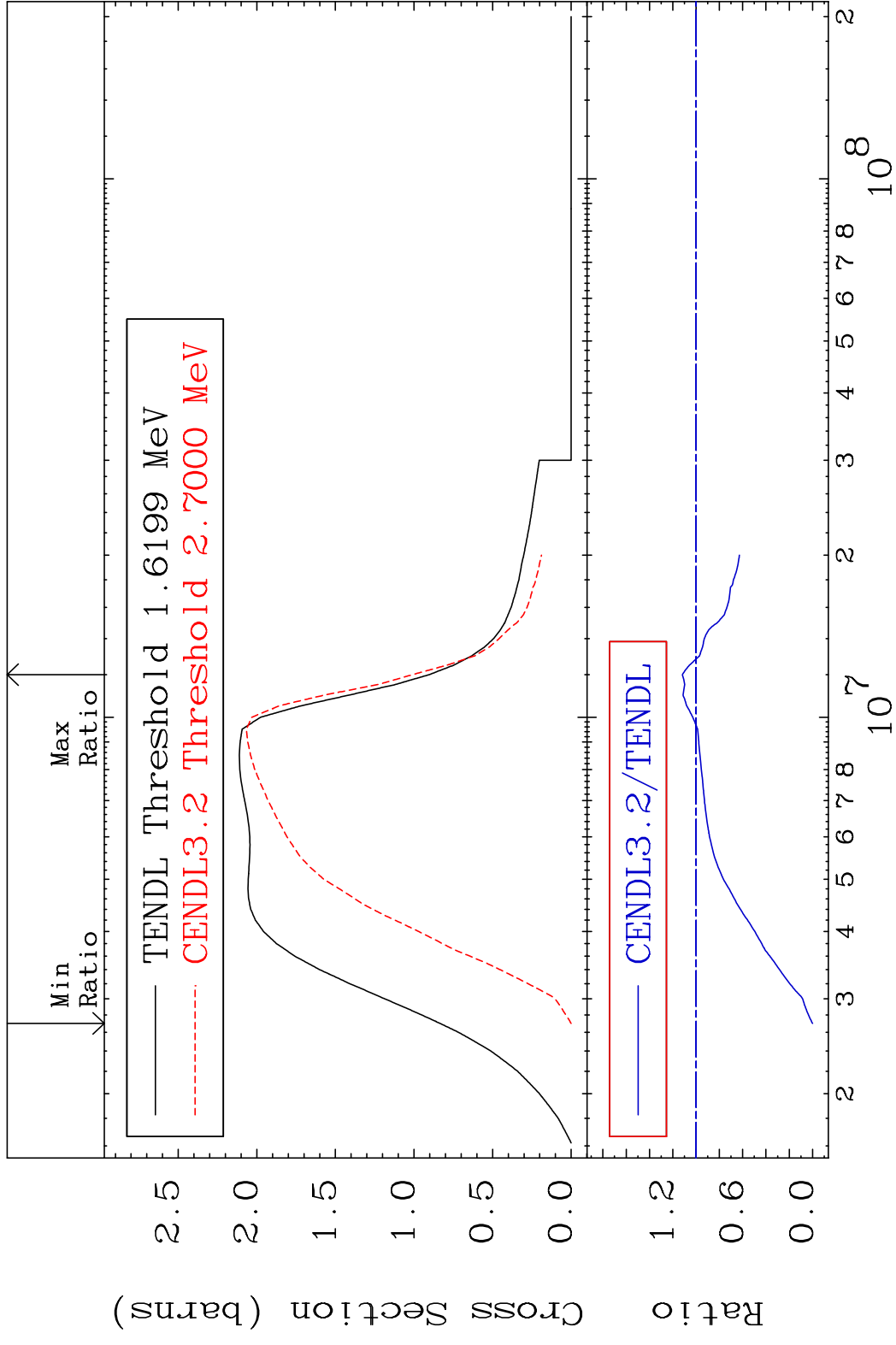


MAT 5925

(n, n') Continuum

59-Pr-141

Cross Section -100.0 To 11.78 %

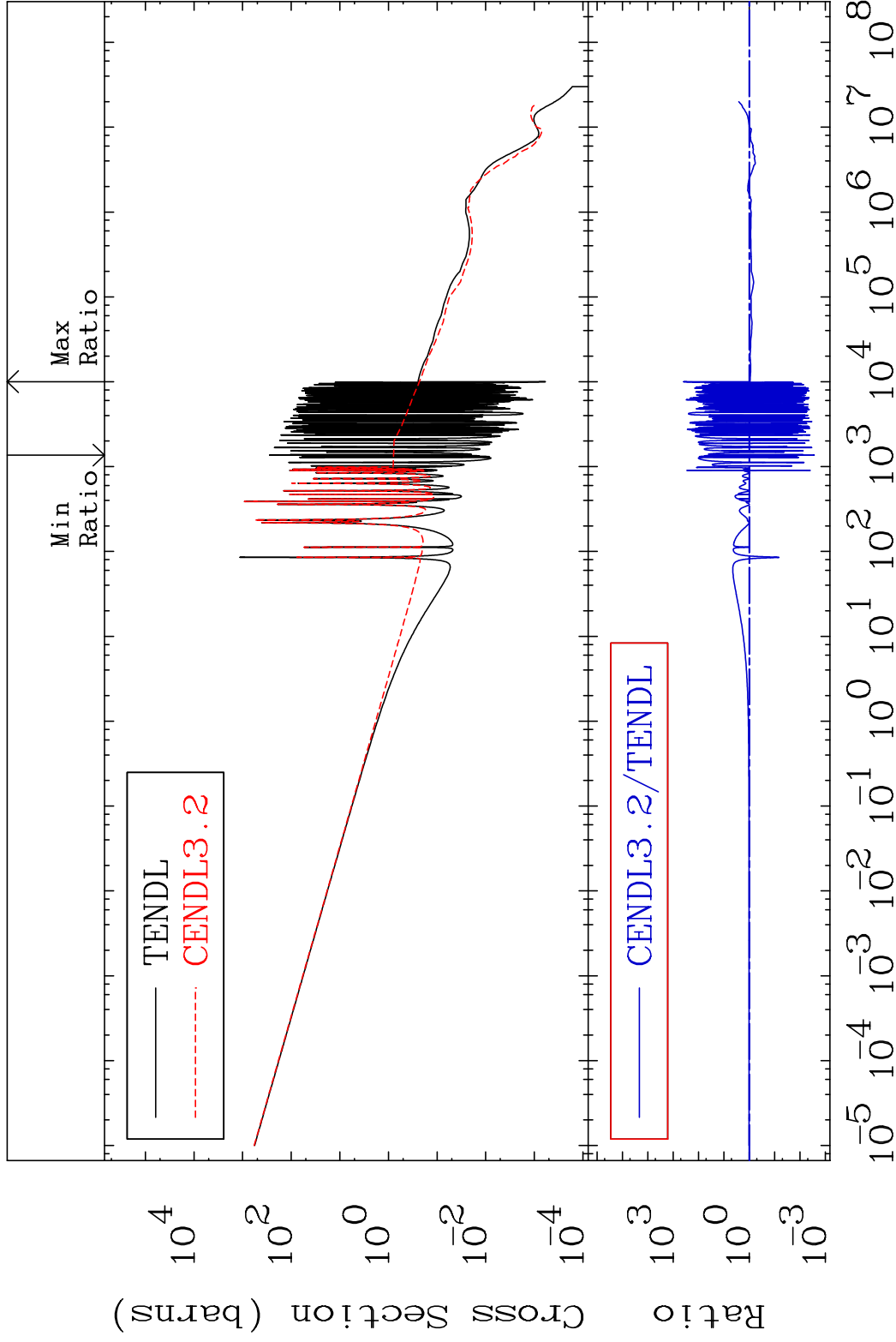


MAT 5925

(n, γ)

59-Pr-141

Cross Section -99.72 To 9999. %



16

Incident Energy (eV)

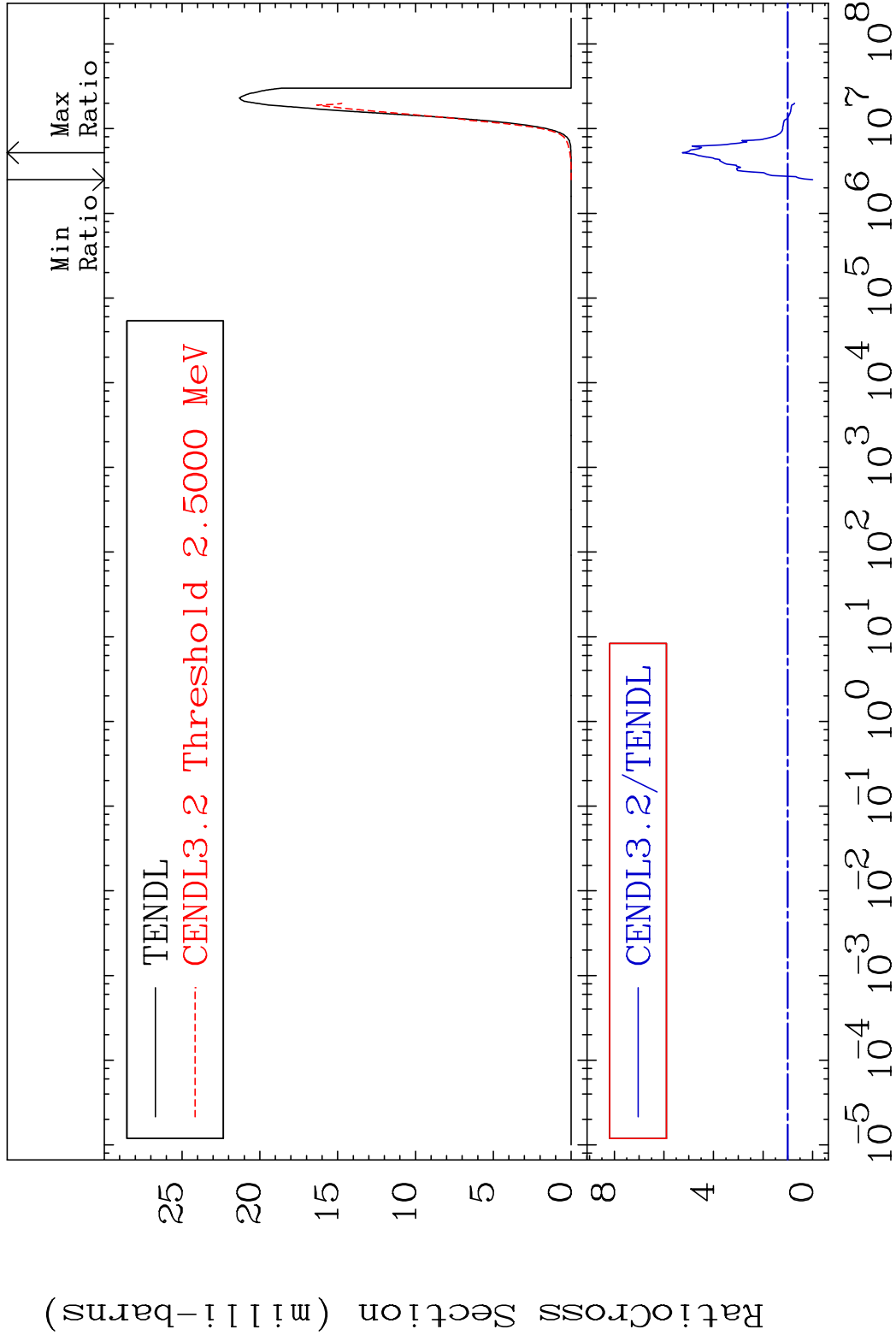
59-Pr-141

MAT 5925

(n, p)

59-Pr-141

Cross Section -100.0 To 425.6 %



17

Incident Energy (eV)

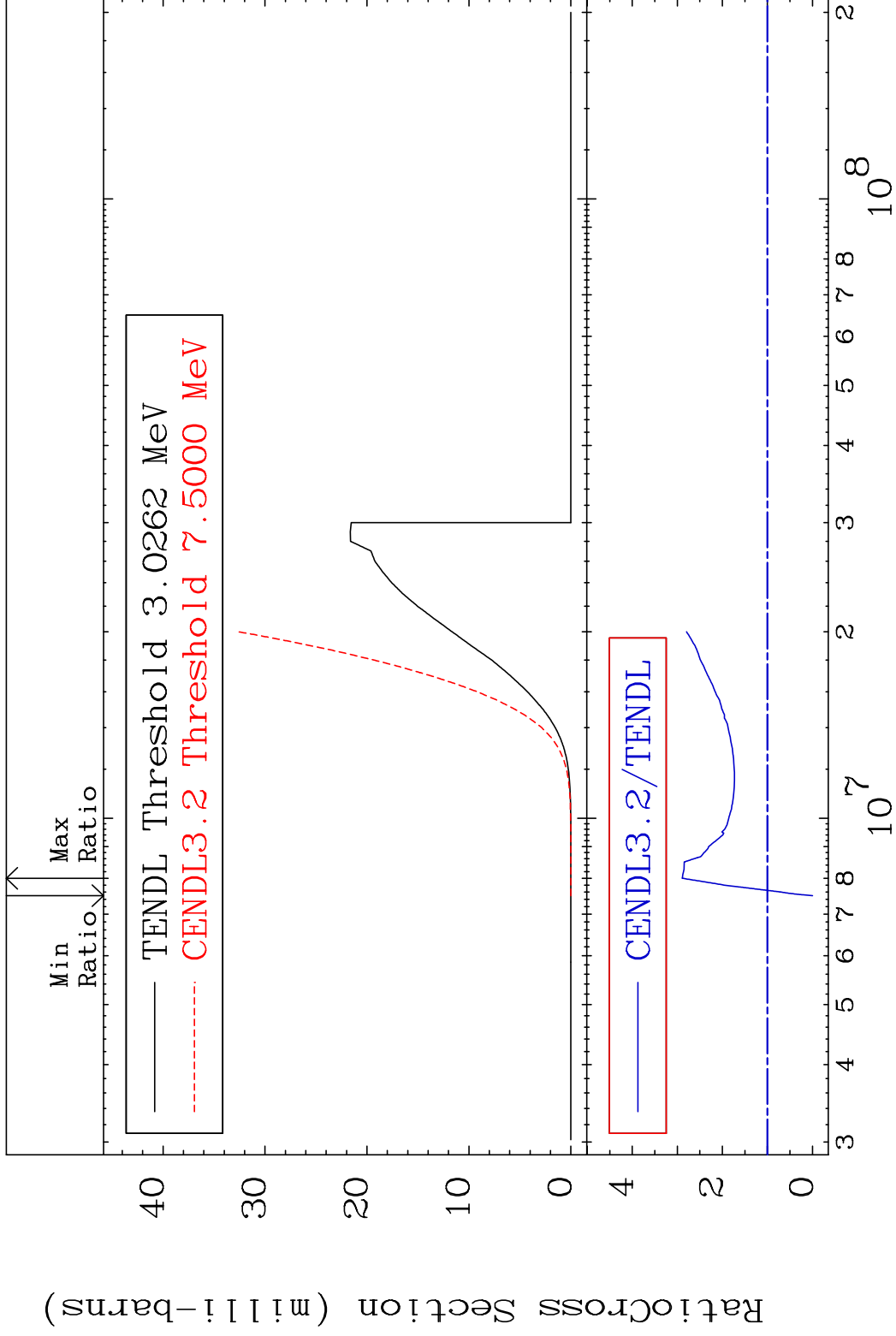
59-Pr-141

MAT 5925

(n, d)

59-Pr-141

Cross Section -100.0 To 189.3 %



18

Incident Energy (eV)

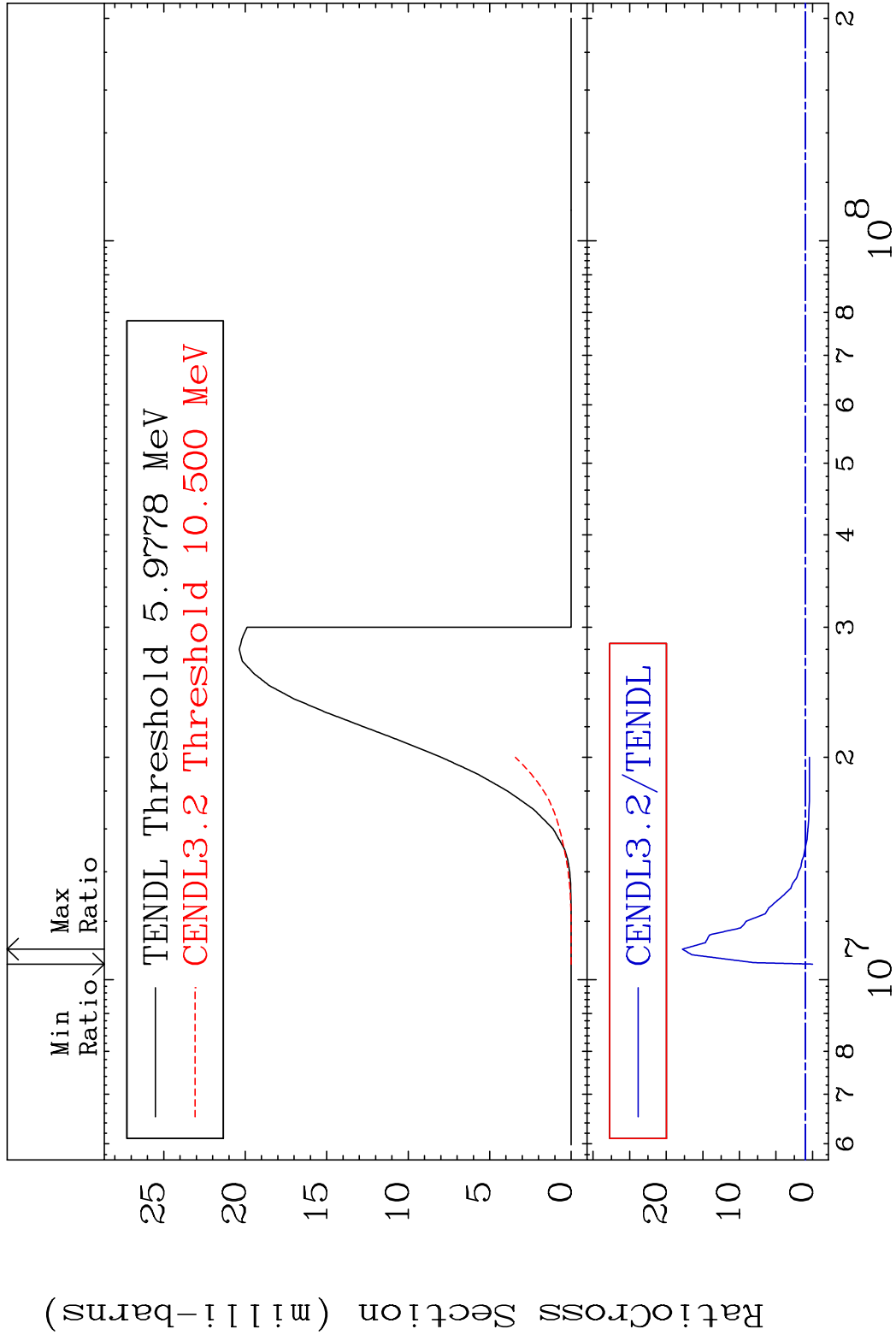
59-Pr-141

MAT 5925

(n, t)

59-Pr-141

Cross Section -100.0 To 1680. %

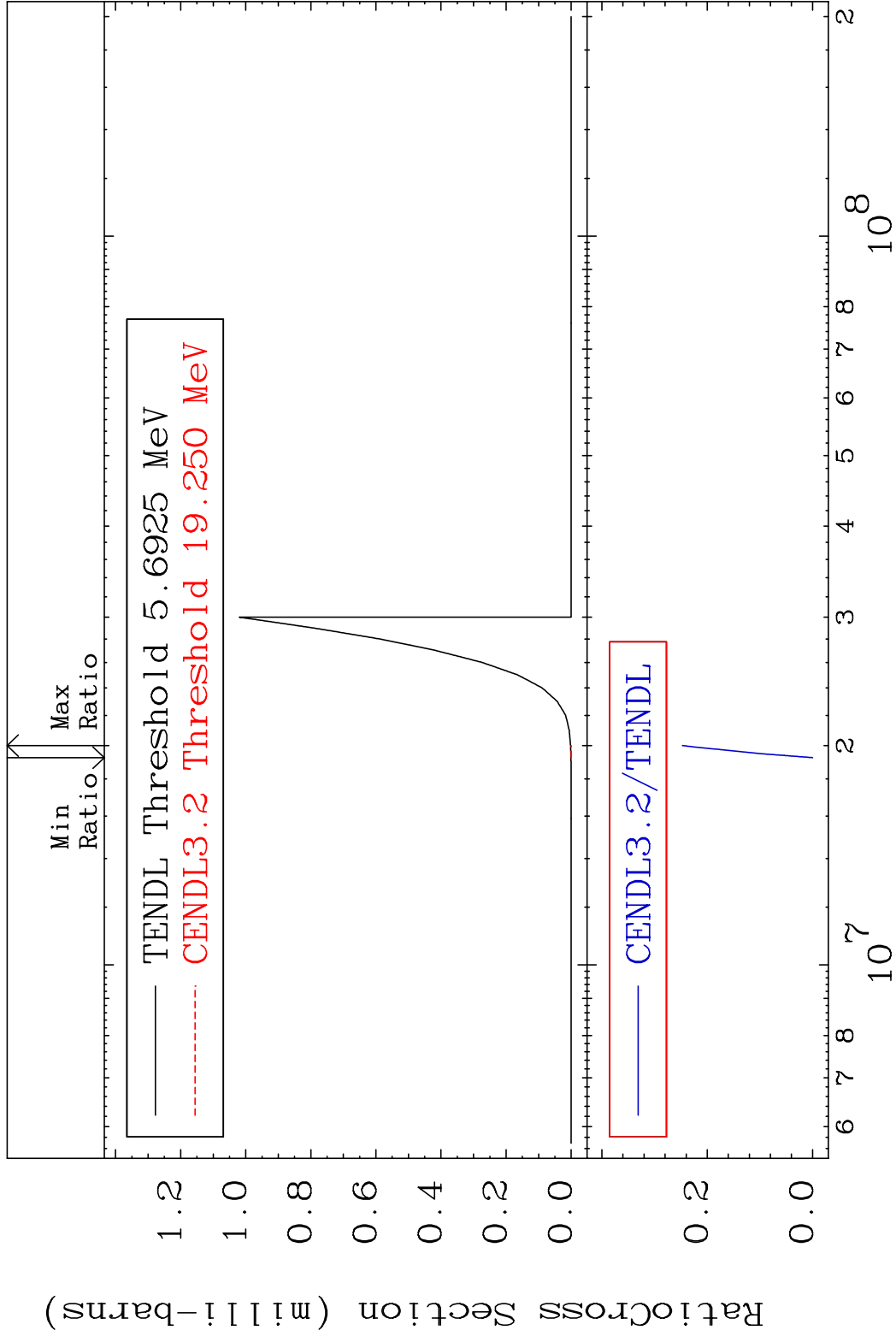


MAT 5925

(n, He-3)

59-Pr-141

Cross Section -100.0 To -75.28%



20

Incident Energy (eV)

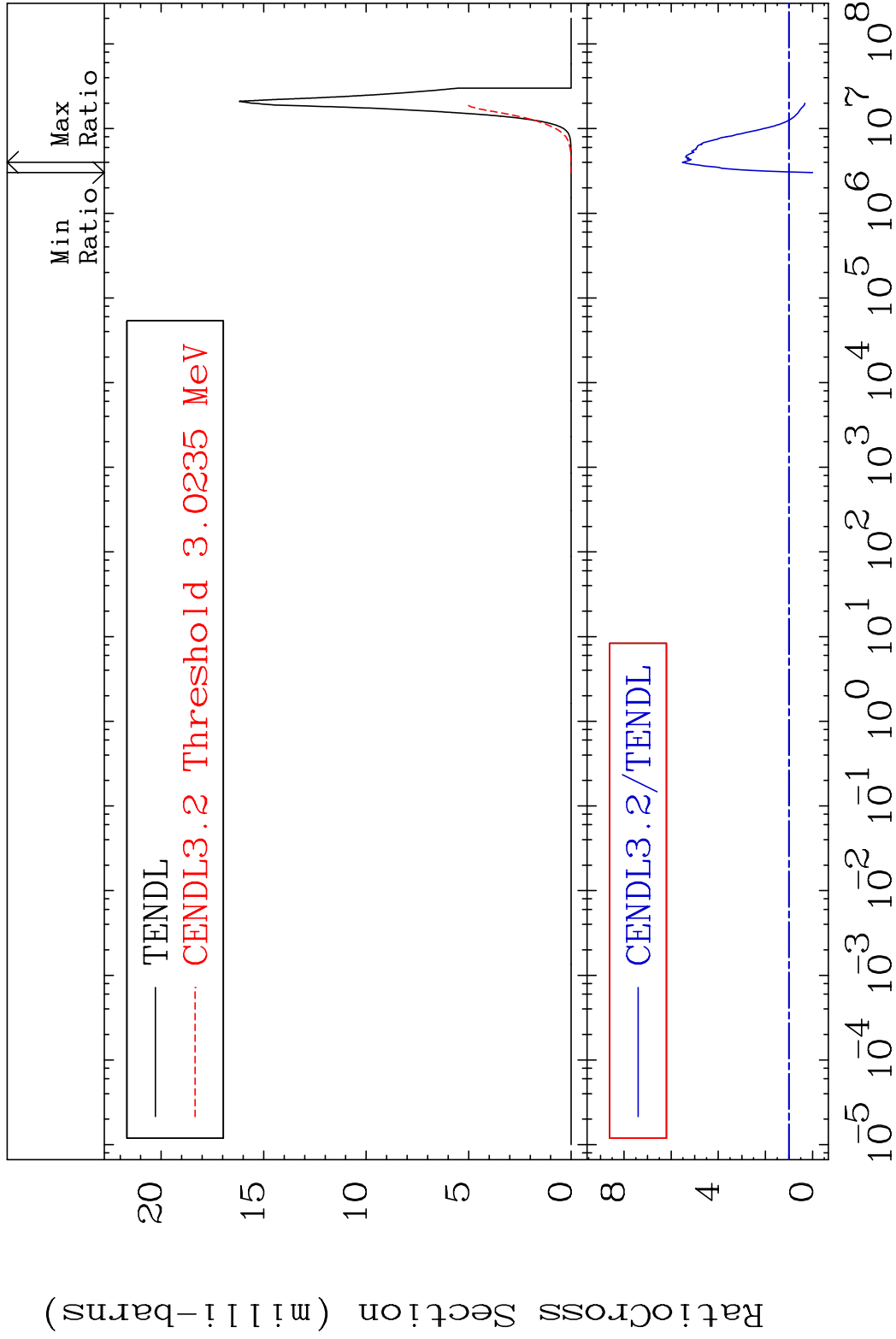
59-Pr-141

MAT 5925

(n, α)

59-Pr-141

Cross Section -100.0 To 452.5 %



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Incident Energy (eV)

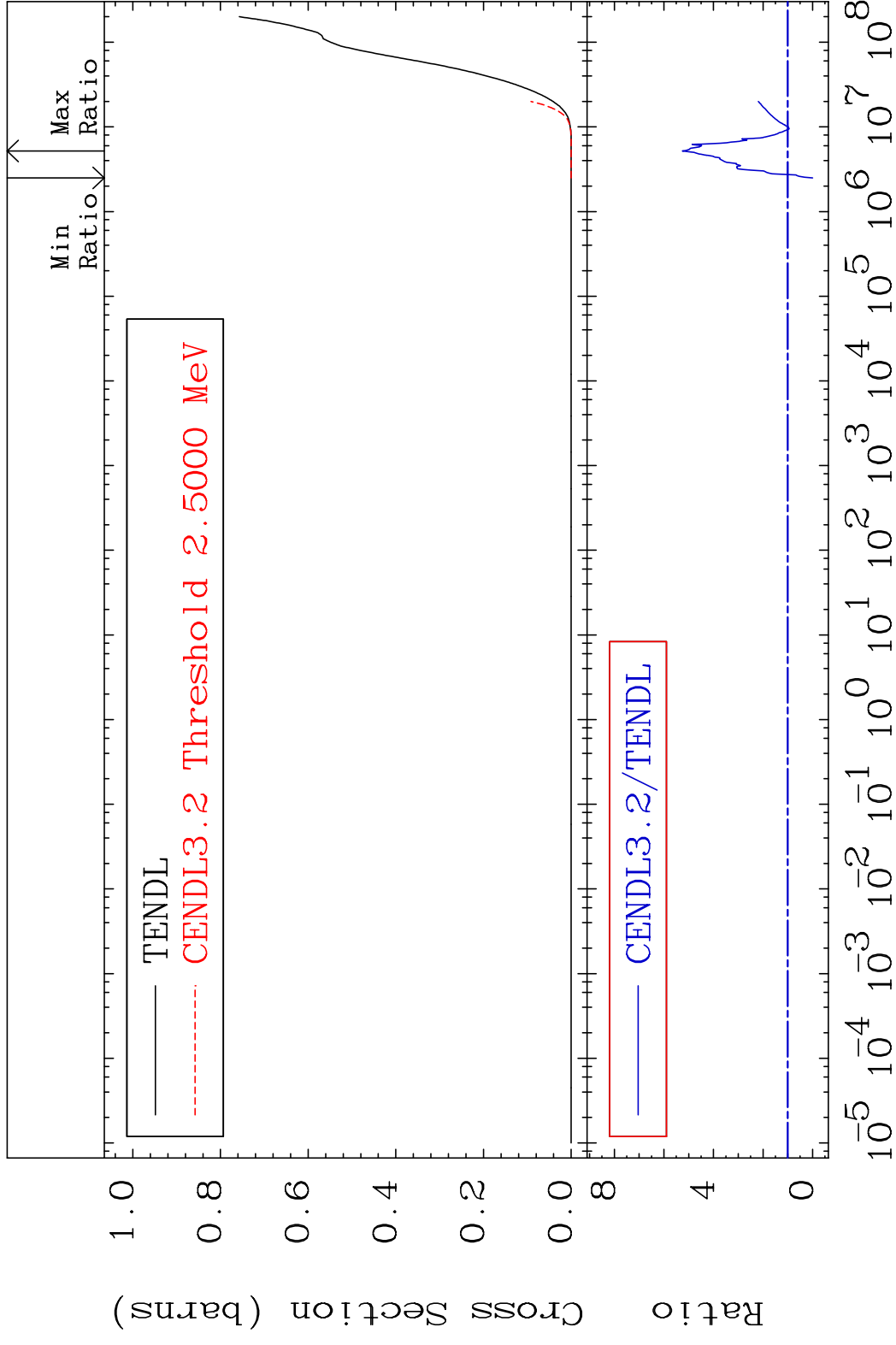
59-Pr-141

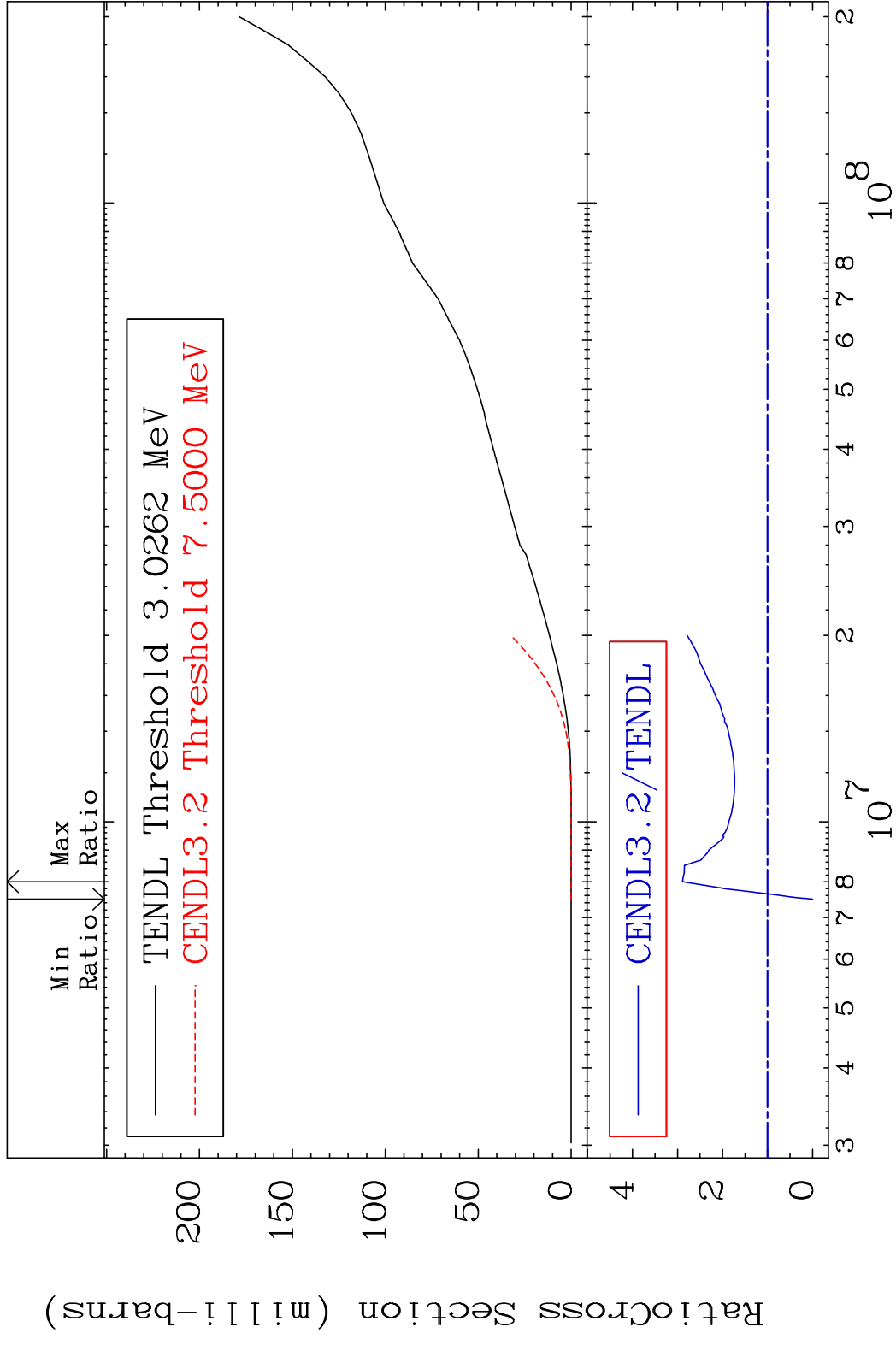
MAT 5925

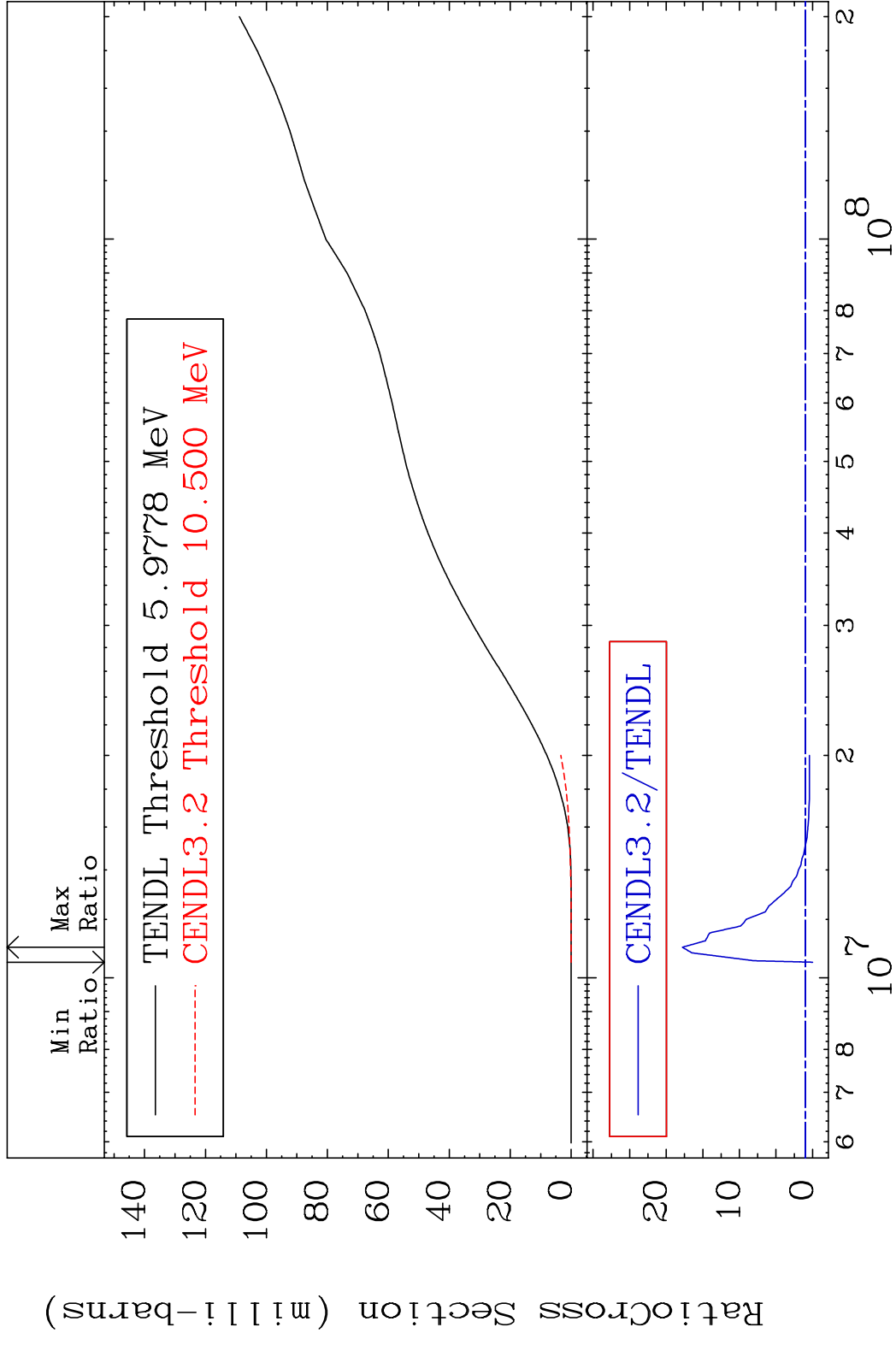
Hydrogen Production

59-Pr-141

Cross Section -100.0 To 425.6 %



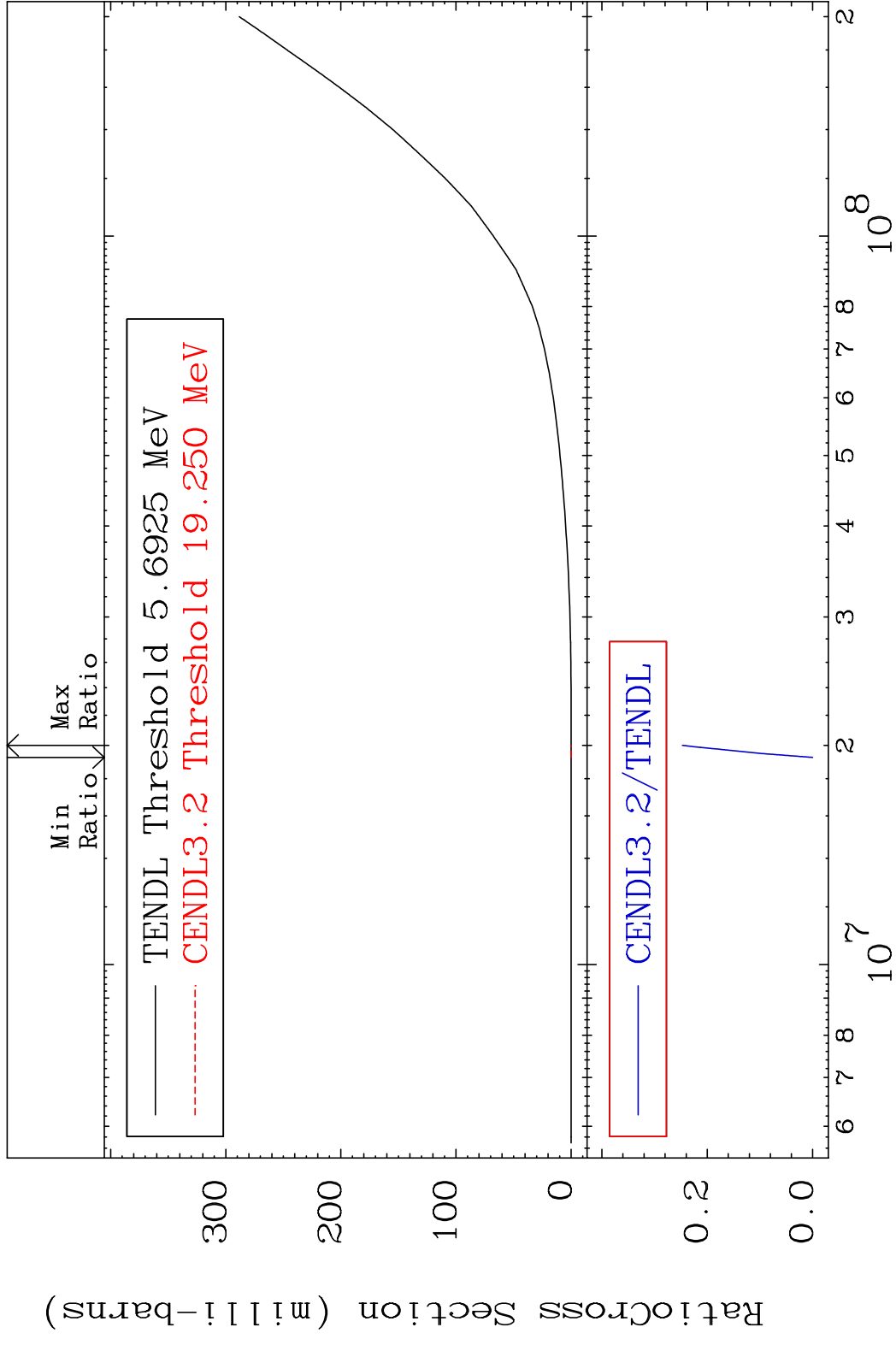




MAT 5925

He-3 Production 59-Pr-141

Cross Section -100.0 To -75.28%



25

Incident Energy (eV)

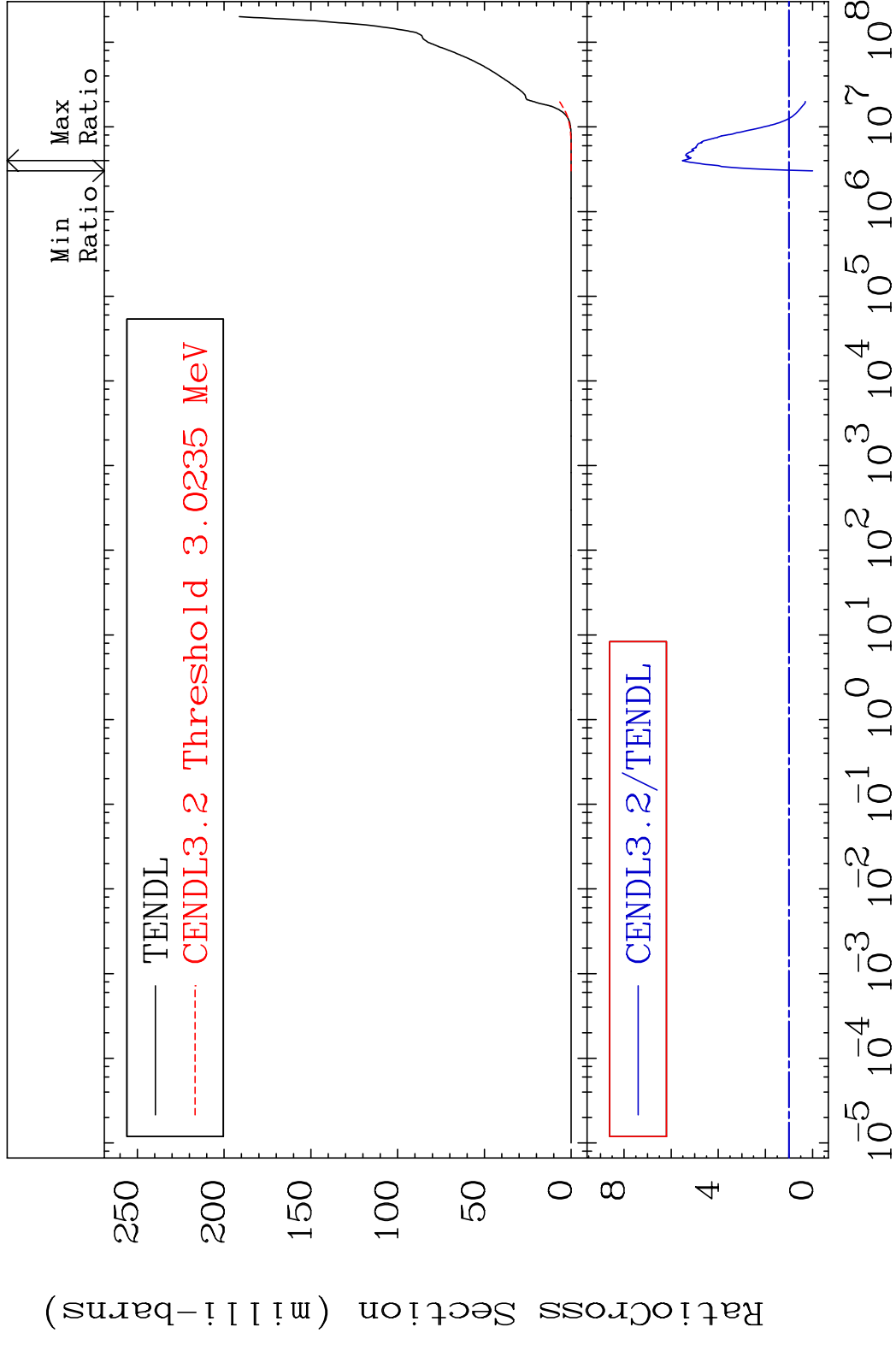
59-Pr-141

MAT 5925

He-4 Production

59-Pr-141

Cross Section -100.0 To 452.5 %

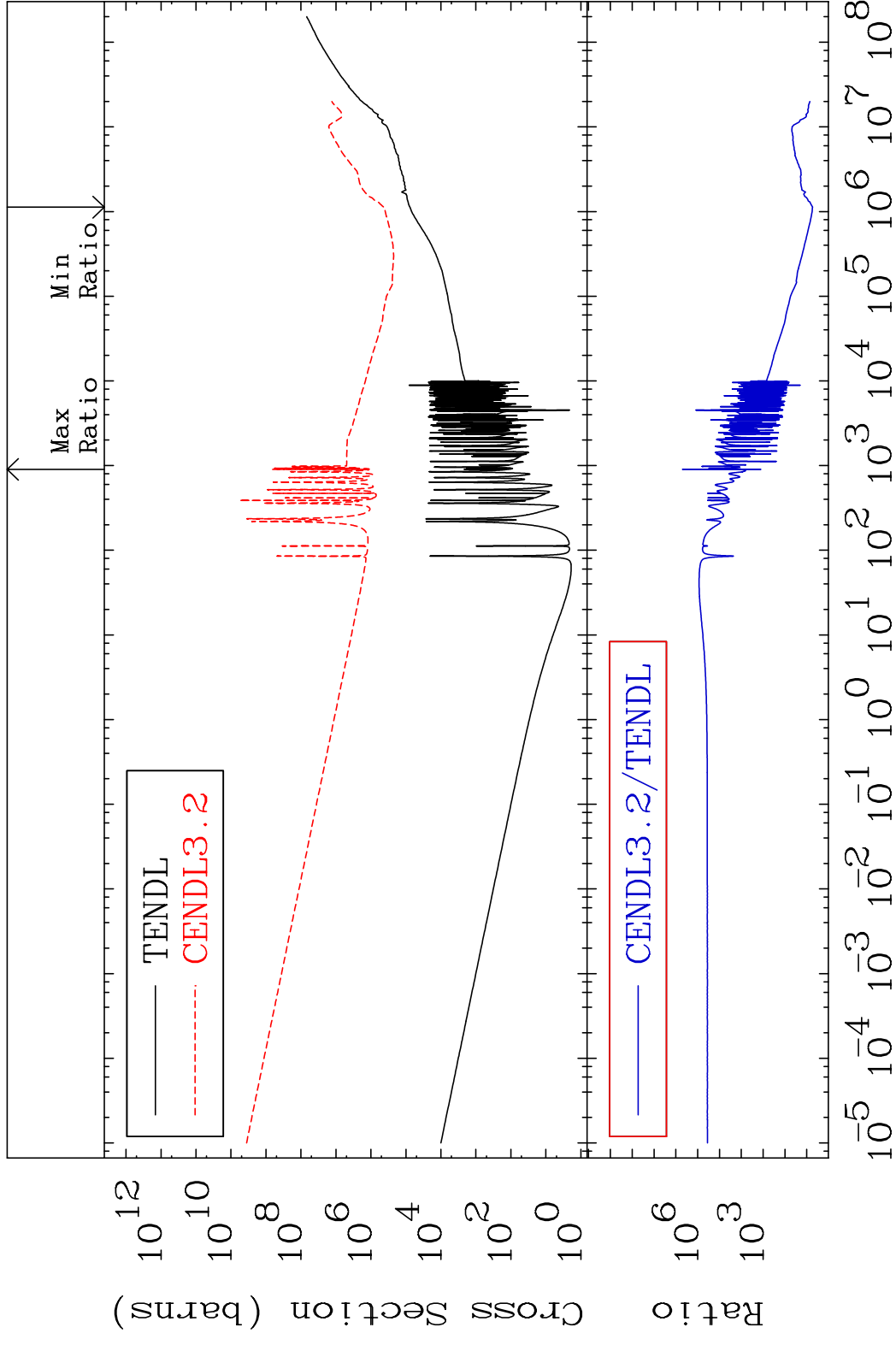


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Incident Energy (eV)

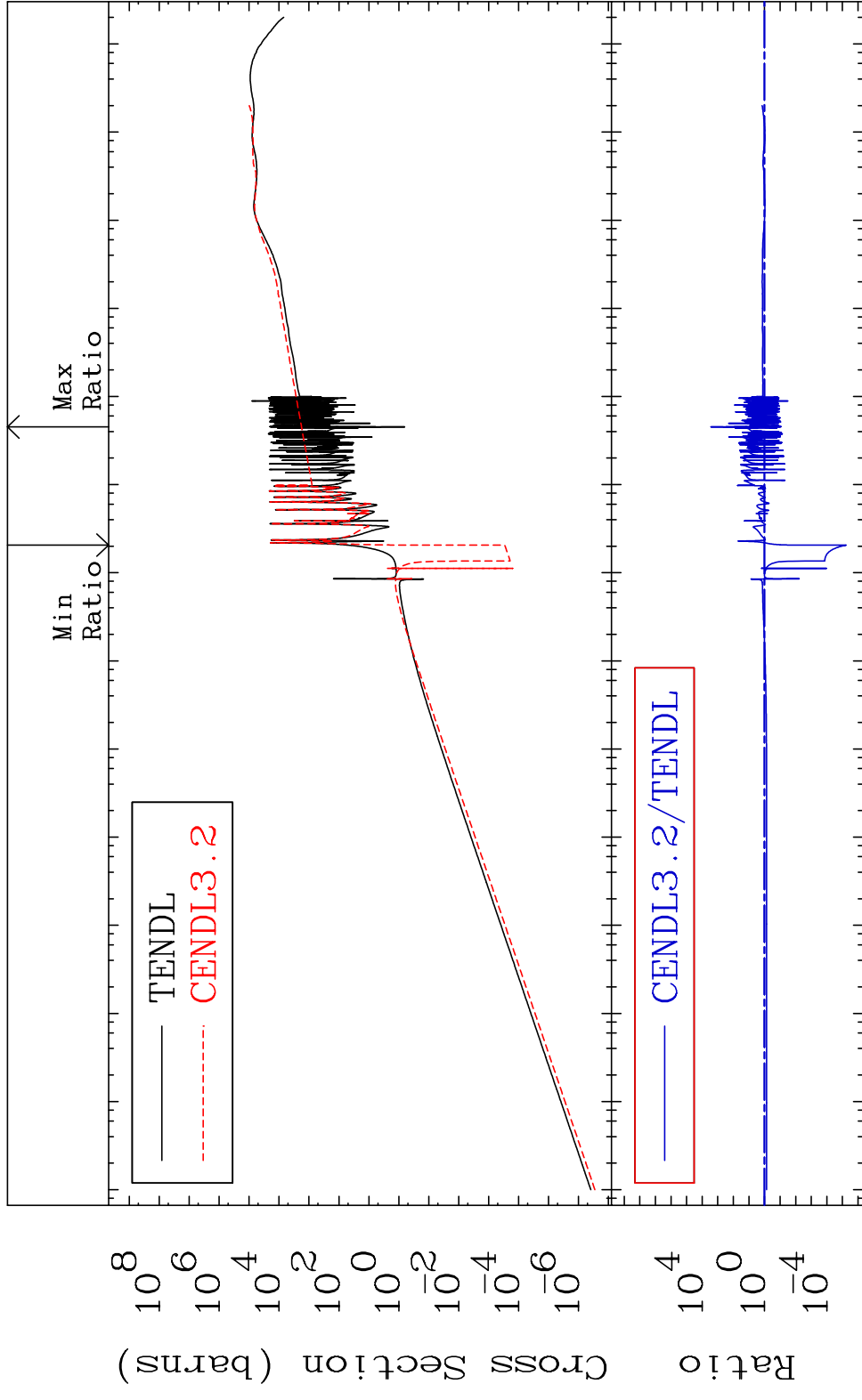
59-Pr-141

MAT 5925 Kerma total (eV-barns) 59-Pr-141
 Cross Section 442.8 To 9999. %

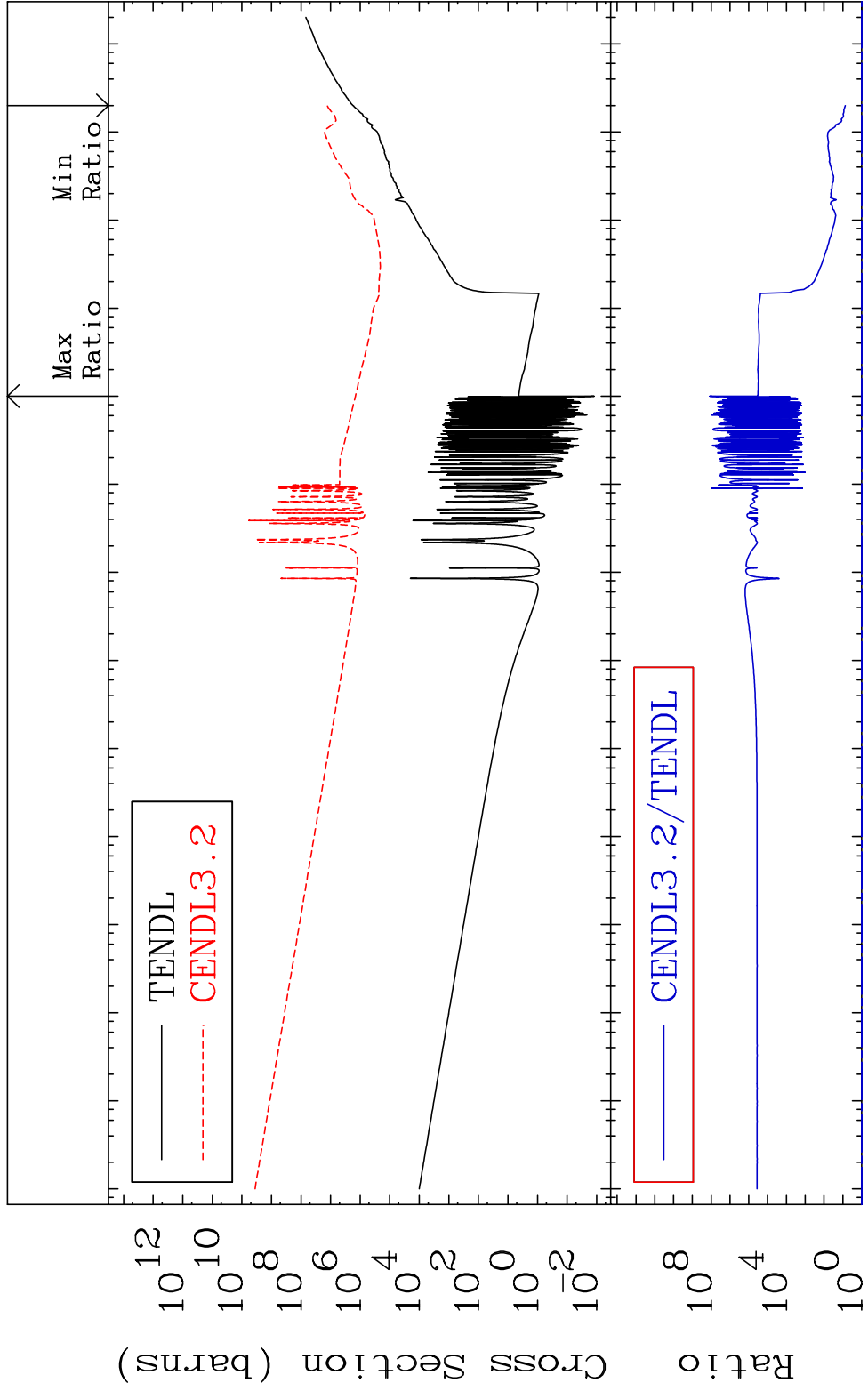


MAT 5925

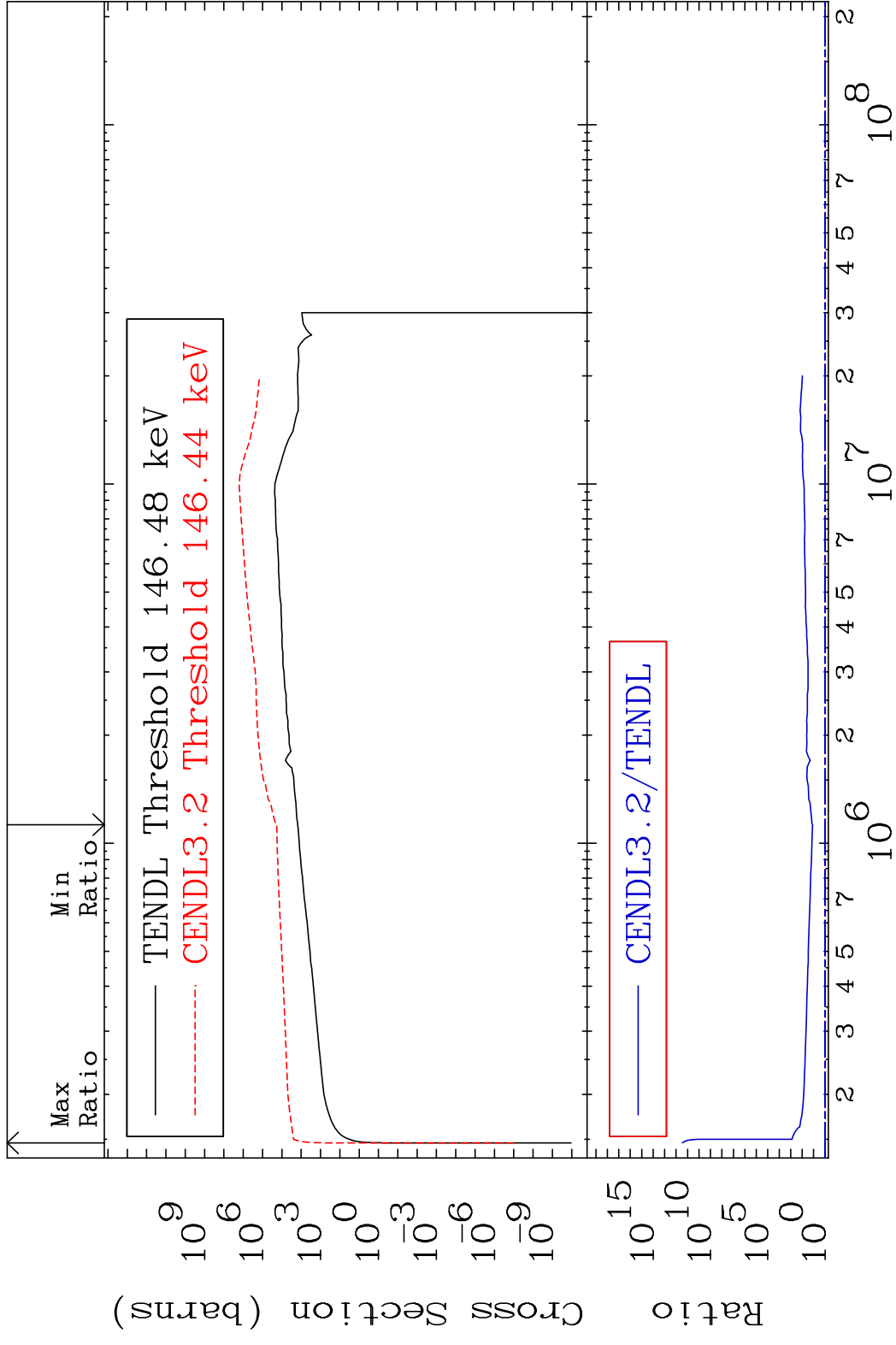
Kerma elastic Cross Section -100.0 To 9999. %
59-Pr-141



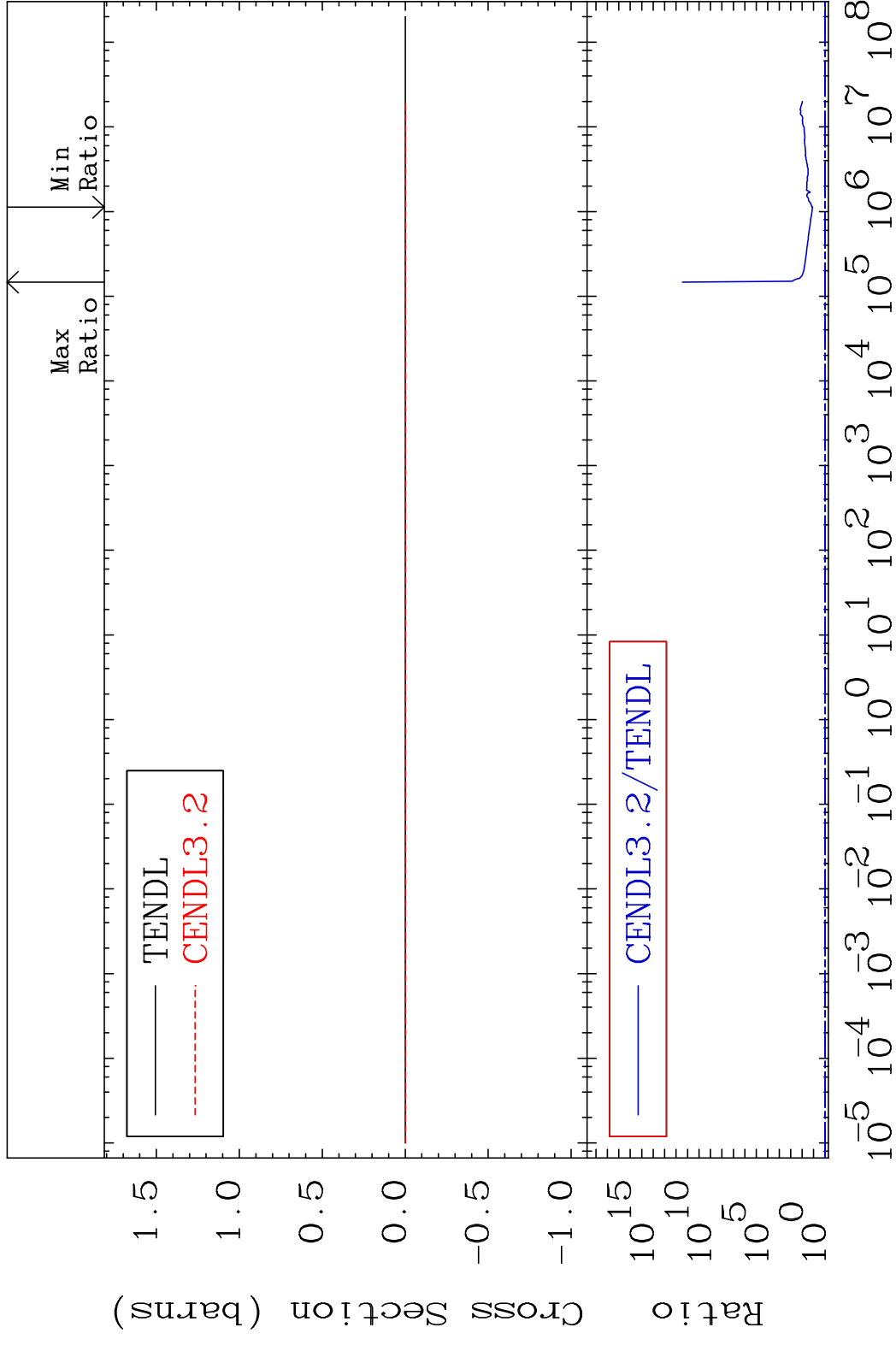
MAT 5925 Kerma non-elastic (all but mt2) 59-Pr-141
 Cross Section 643.4 To 9999. %

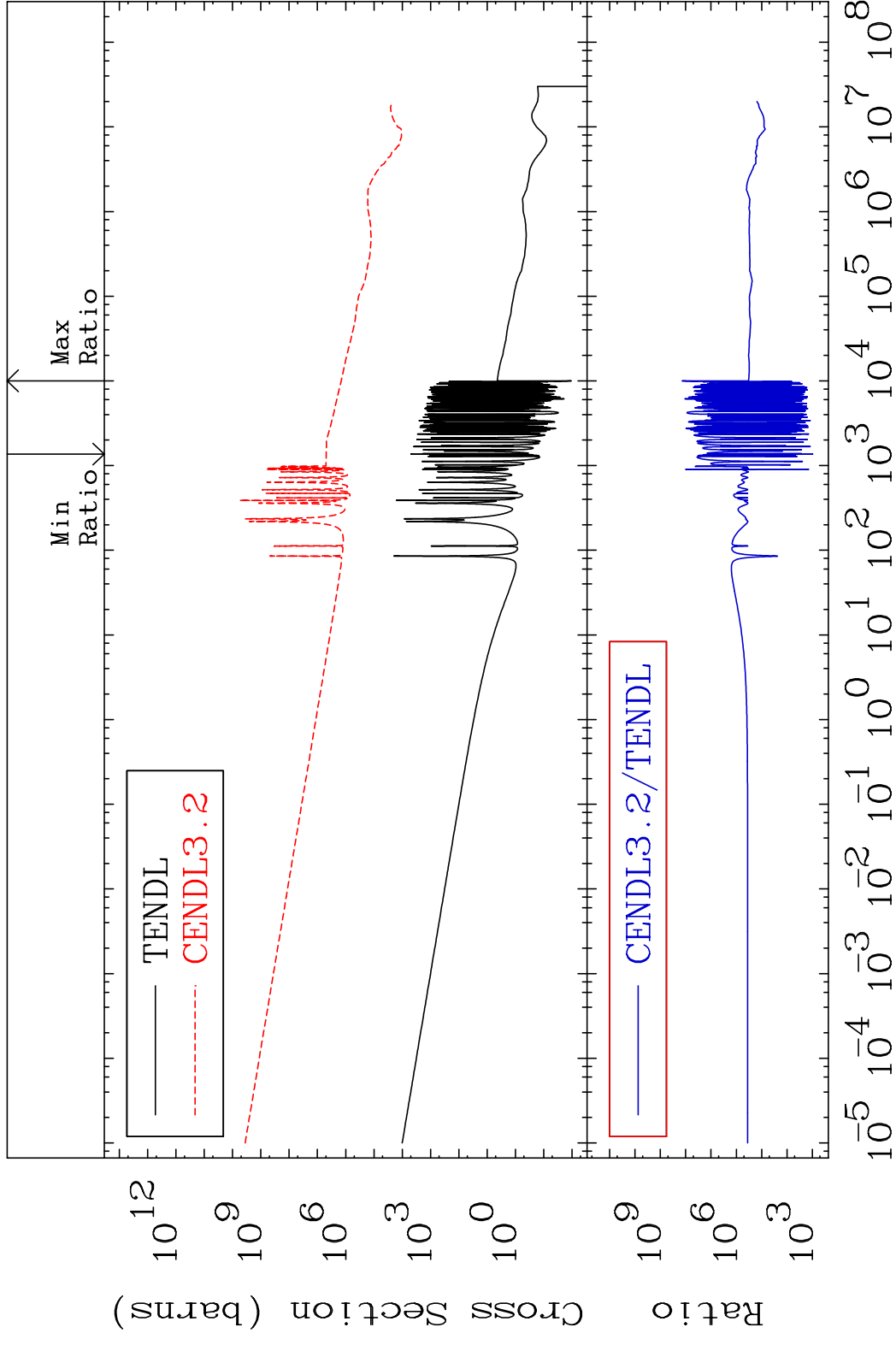


MAT 5925 Kerma inelastic (mt51-91) 59-Pr-141
 Cross Section 1133. To 9999. %

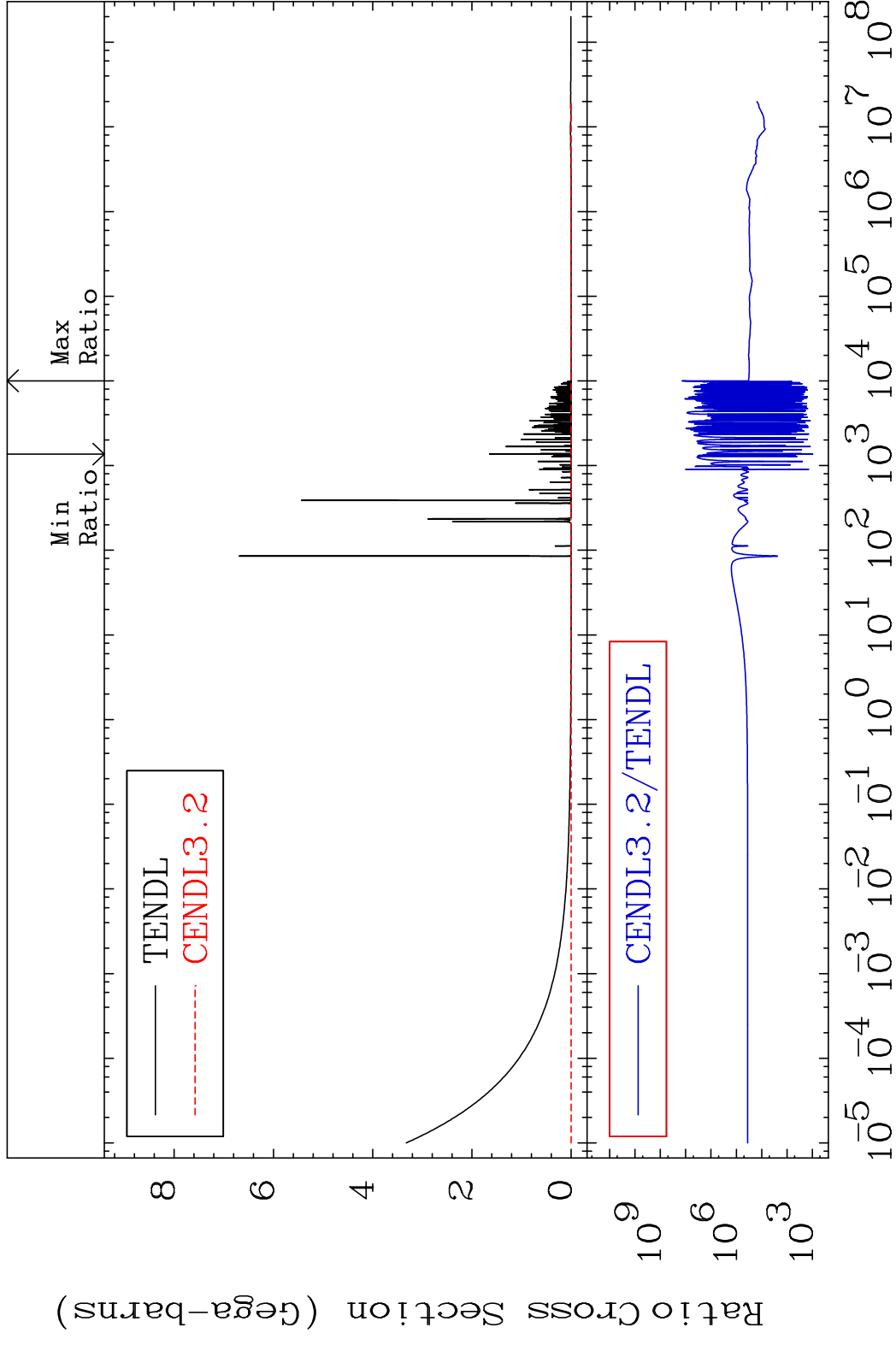


MAT 5925 Kerma fission (mt18 or mt19-20-21-38) 59-Pr-141
 Cross Section 1133. To 9999. %



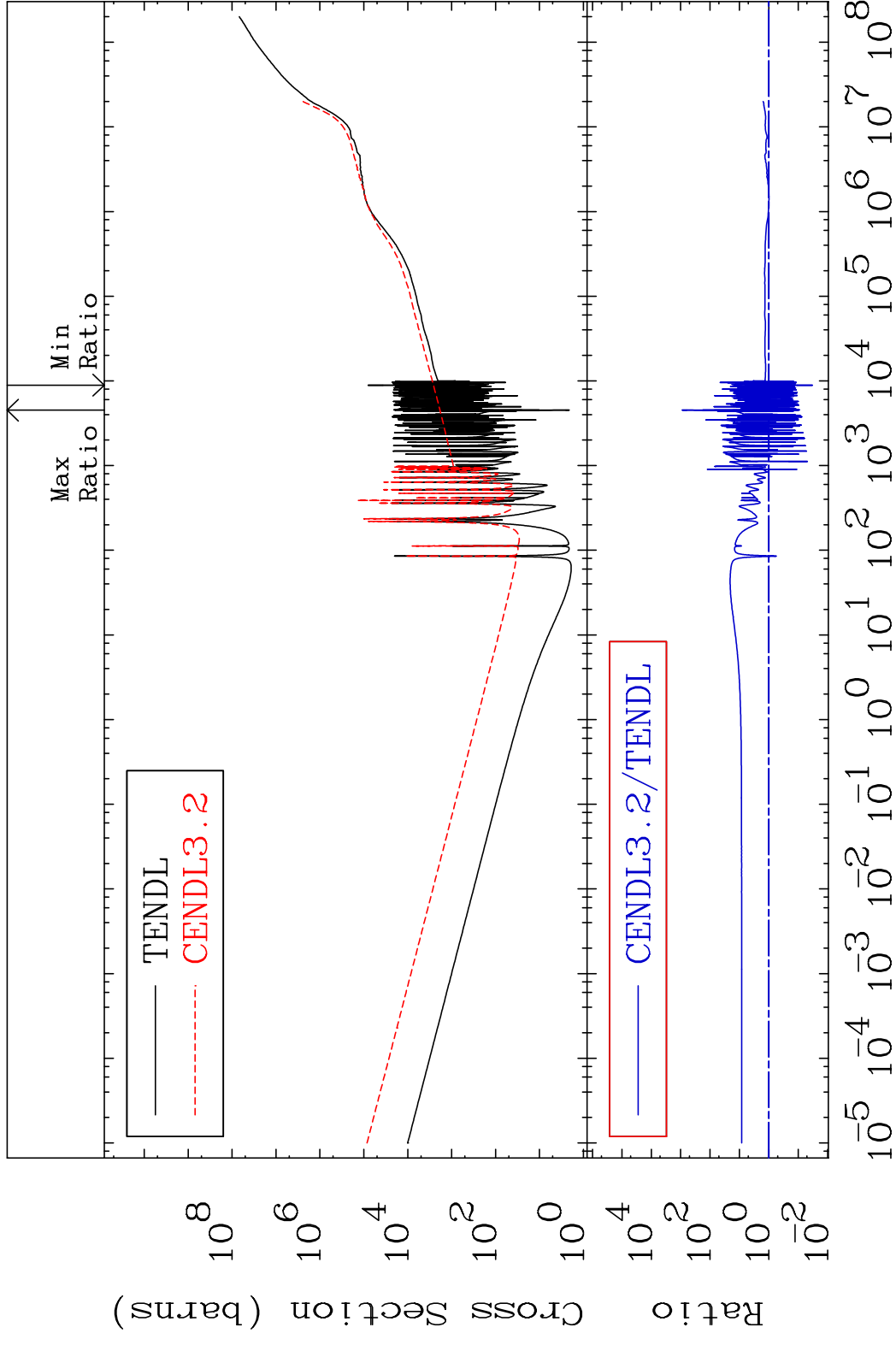


MAT 5925 Total photon (eV-barns) 59-Pr-141
 Cross Section 9999. To 9999. %



33 Incident Energy (eV) 59-Pr-141

MAT 5925 Total kinematic kerma (high limit) 59-Pr-141
 Cross Section -96.76 To 9999. %

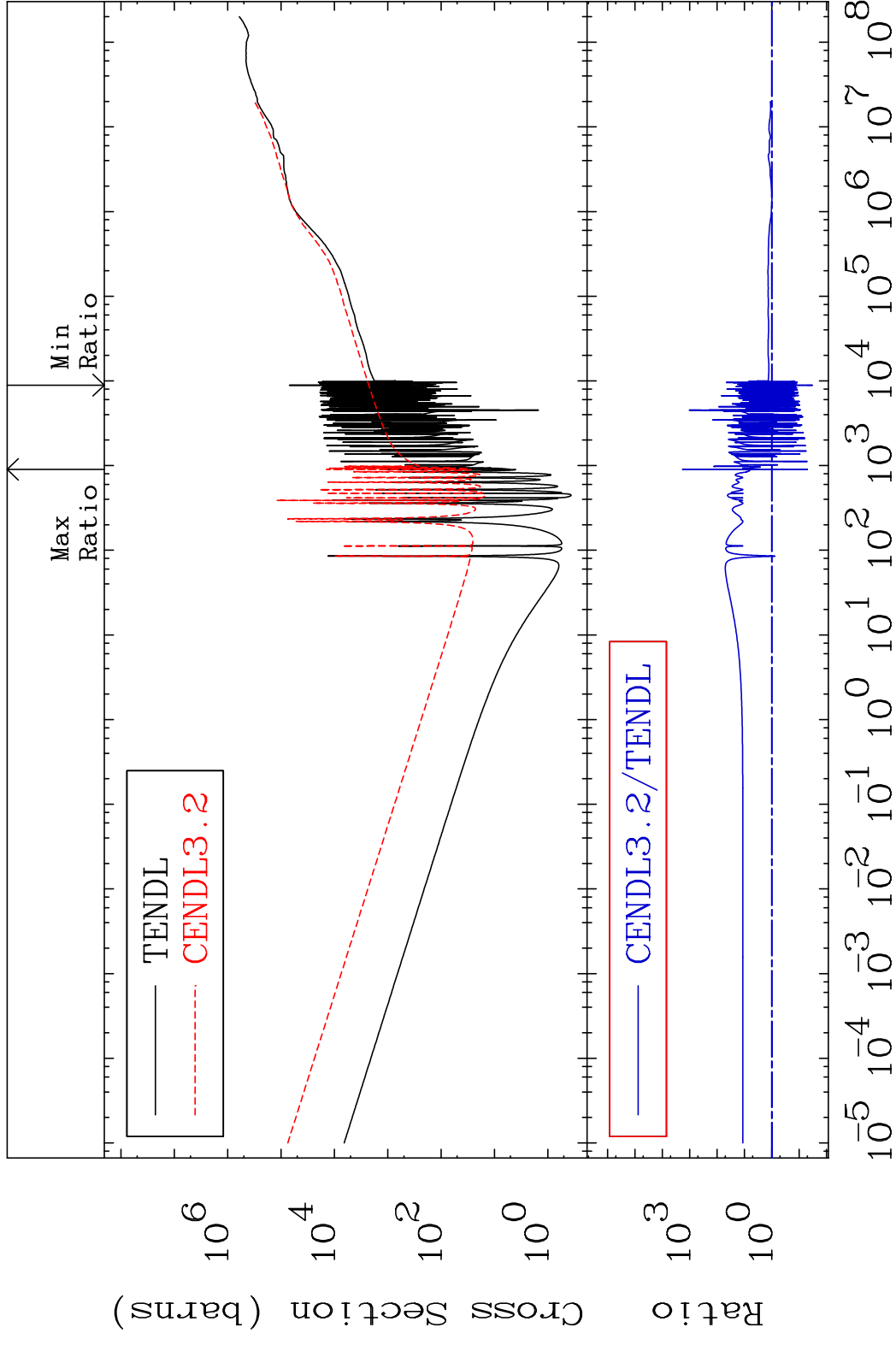


MAT 5925

Dpa total (eV-barns)

59-Pr-141

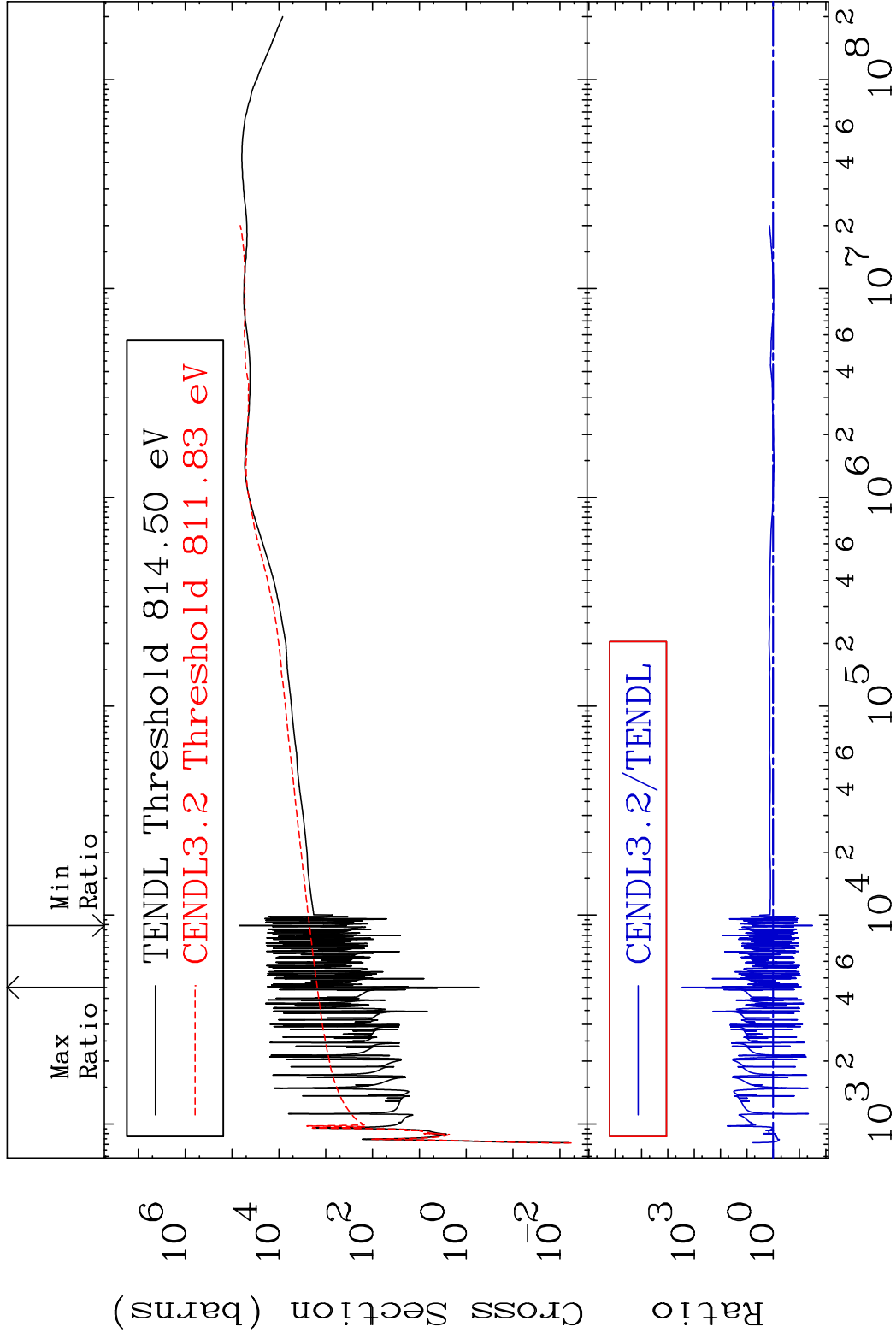
Cross Section -96.76 To 9999. %

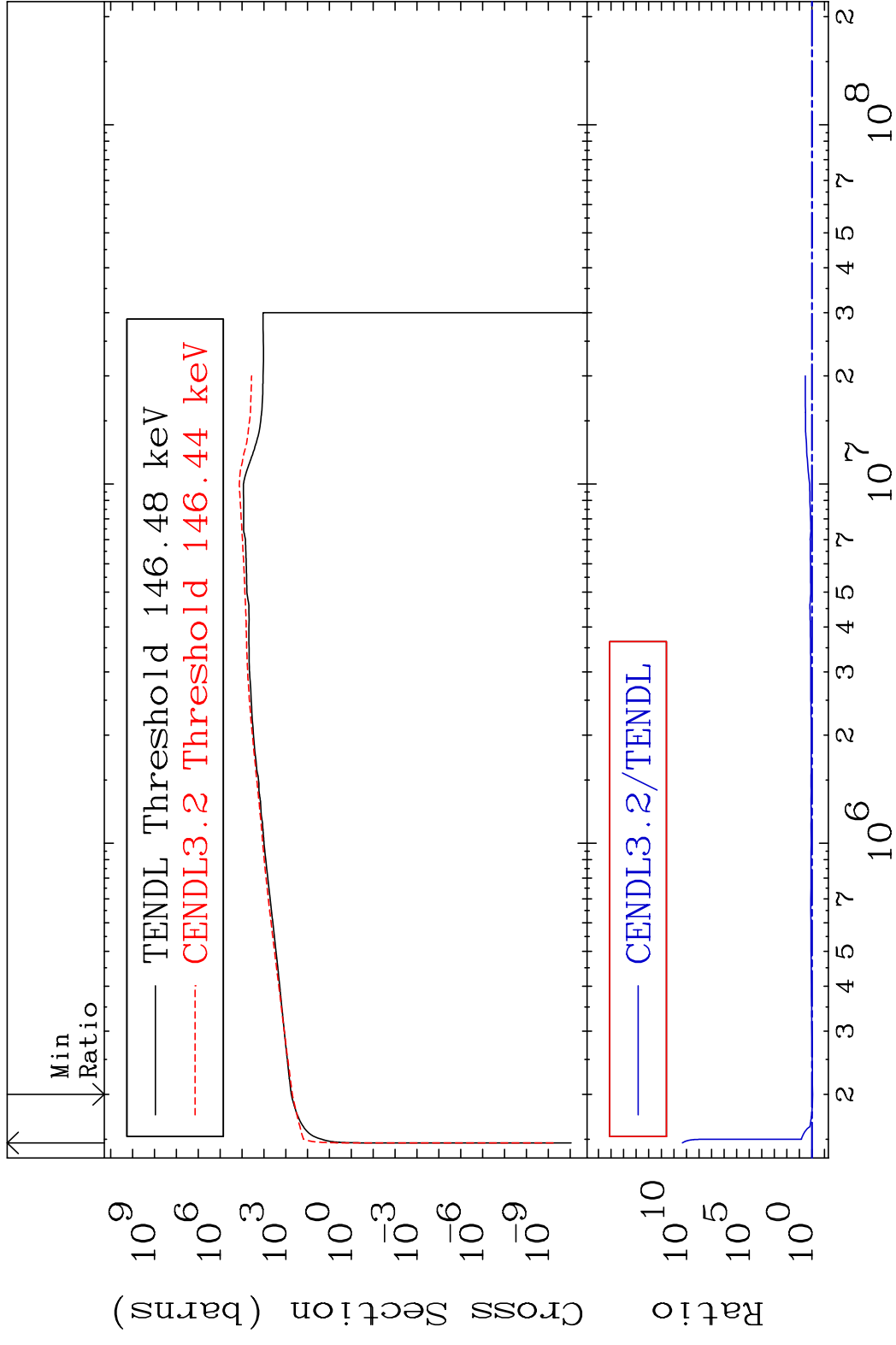


35

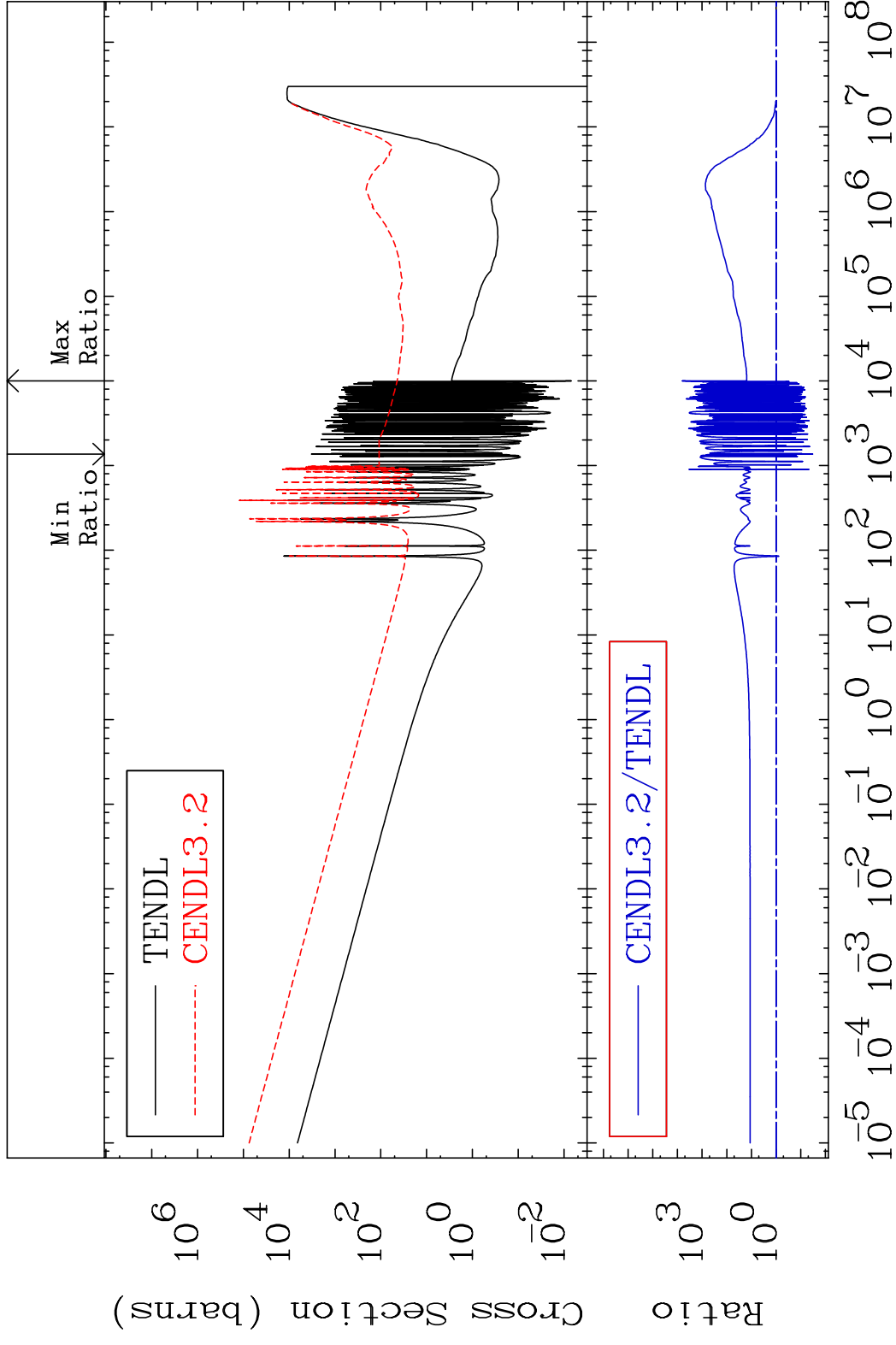
Incident Energy (eV)

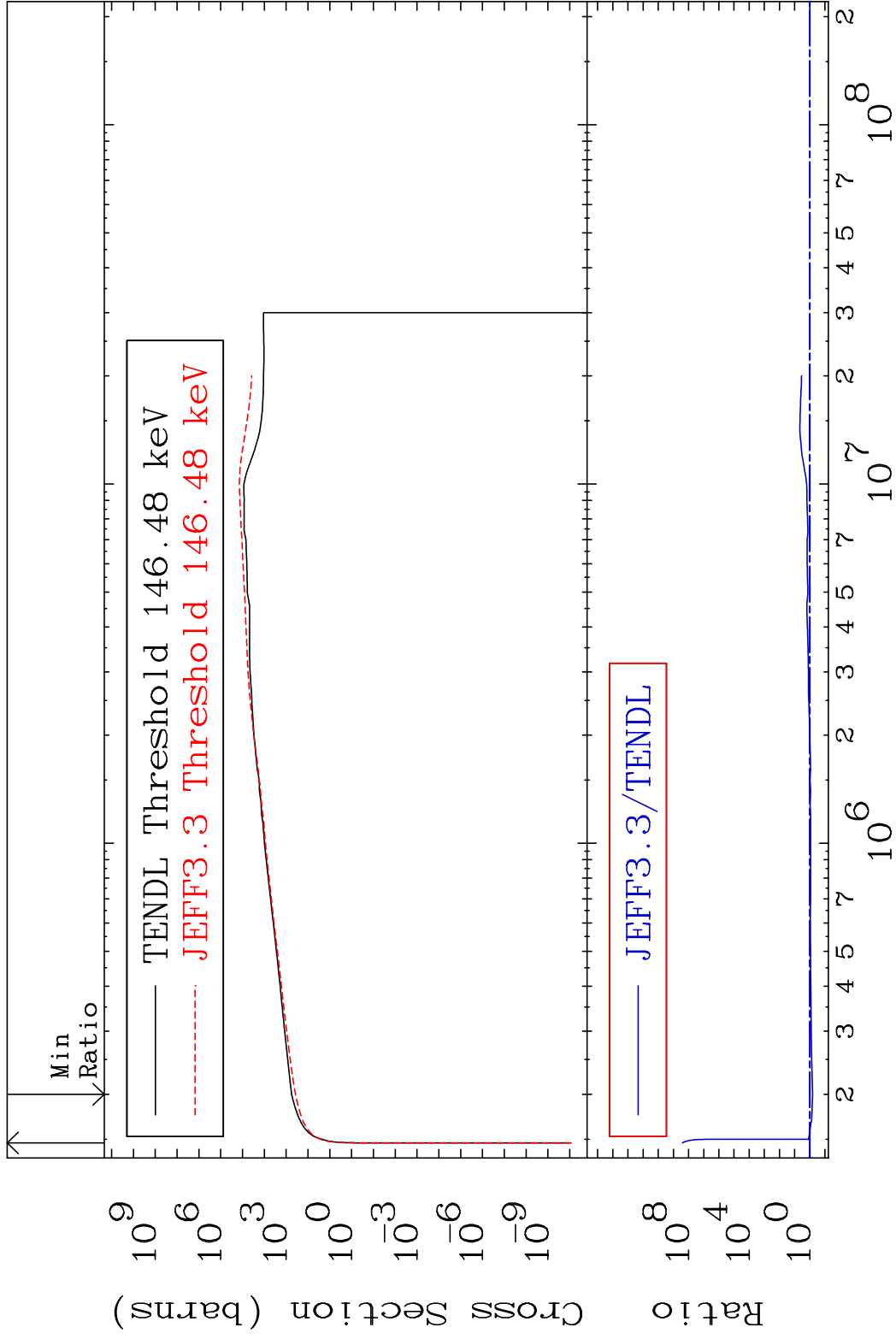
59-Pr-141



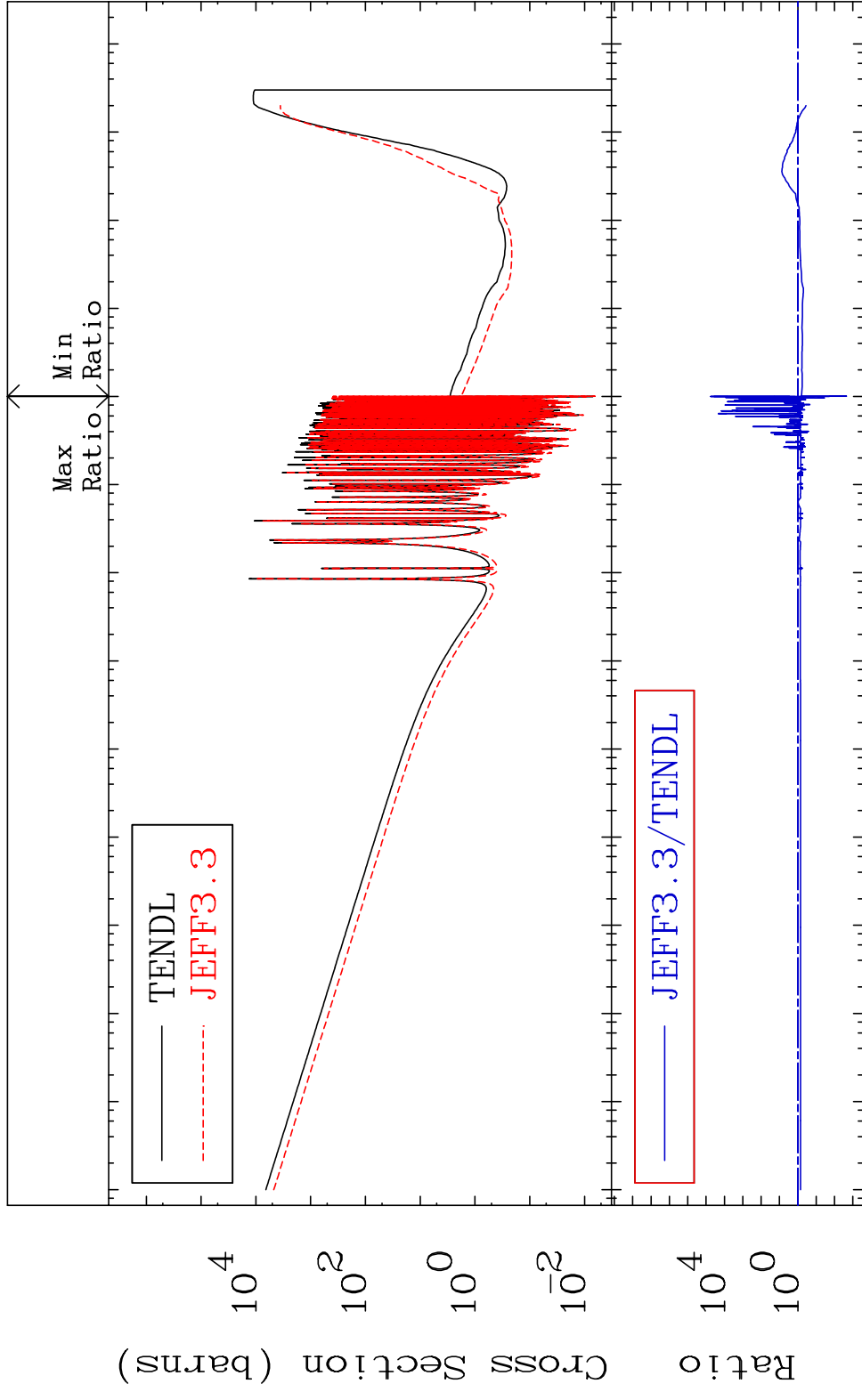


MAT 5925 Dpa disappearance (mt102 -120) 59-Pr-141
 Cross Section -96.67 To 9999. %





MAT 5925 Dpa disappearance (mt102 -120) 59-Pr-141
 Cross Section -99.77 To 9999. %



40 Incident Energy (eV) 59-Pr-141