

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

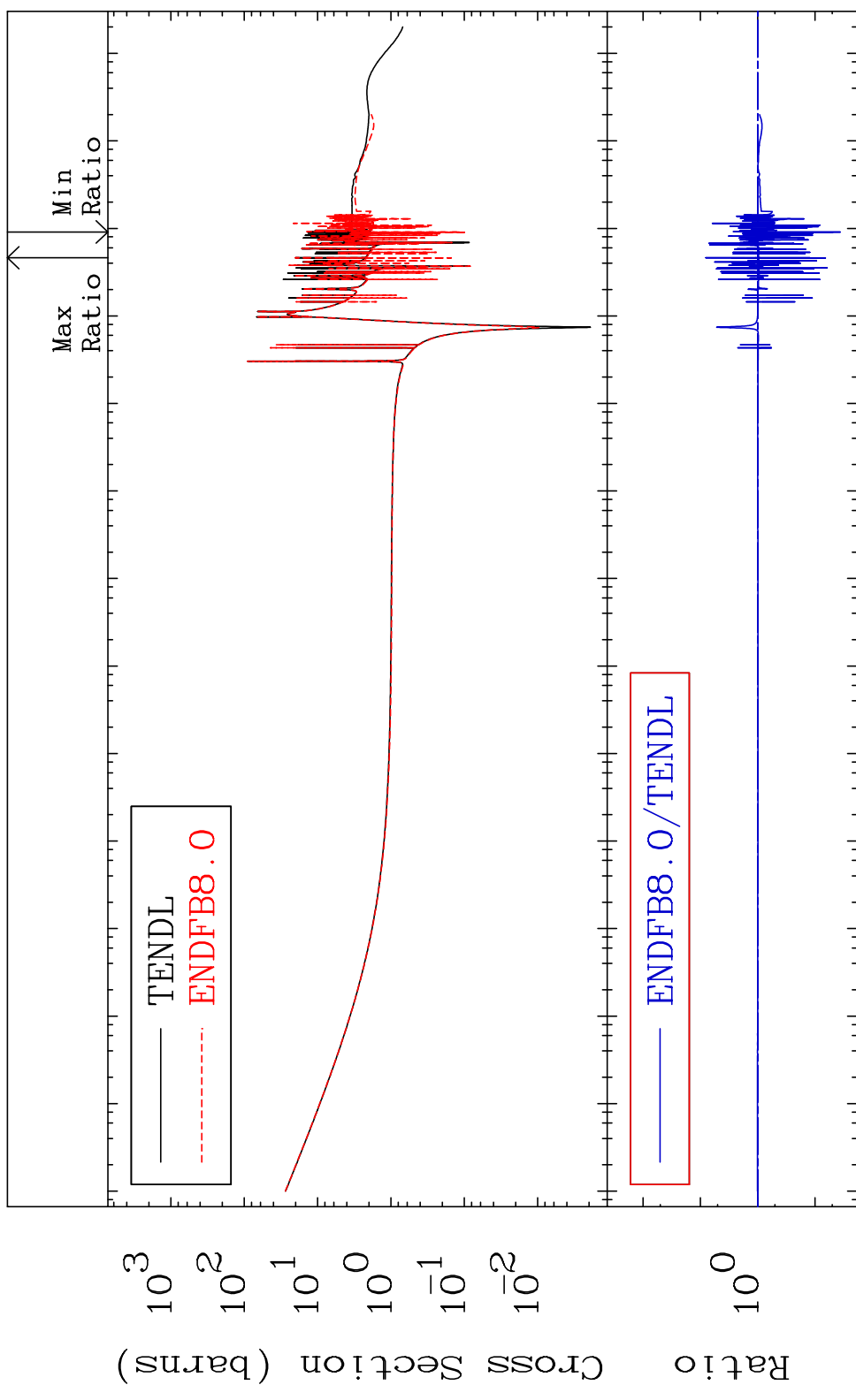
MAT 1625

Total

16-S -32

Cross Section

-96.42 To 705.0 %



Cross Section (barns)

Ratio

10³
10²
10¹
10⁰
10⁻¹
10⁻²

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

1

Incident Energy (eV)

16-S -32

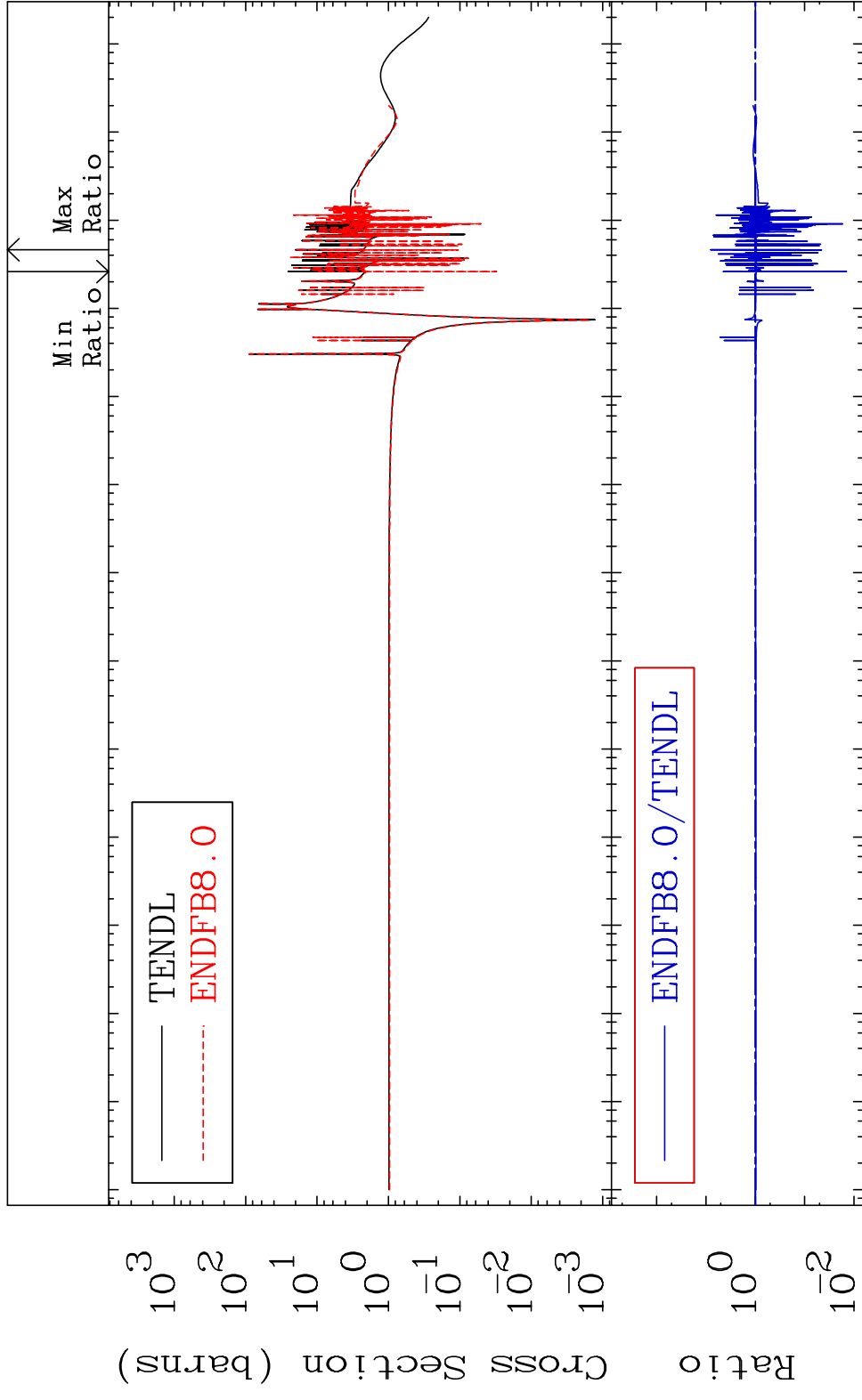
MAT 1625

Elastic

16-S -32

Cross Section

-98.57 To 701.3 %



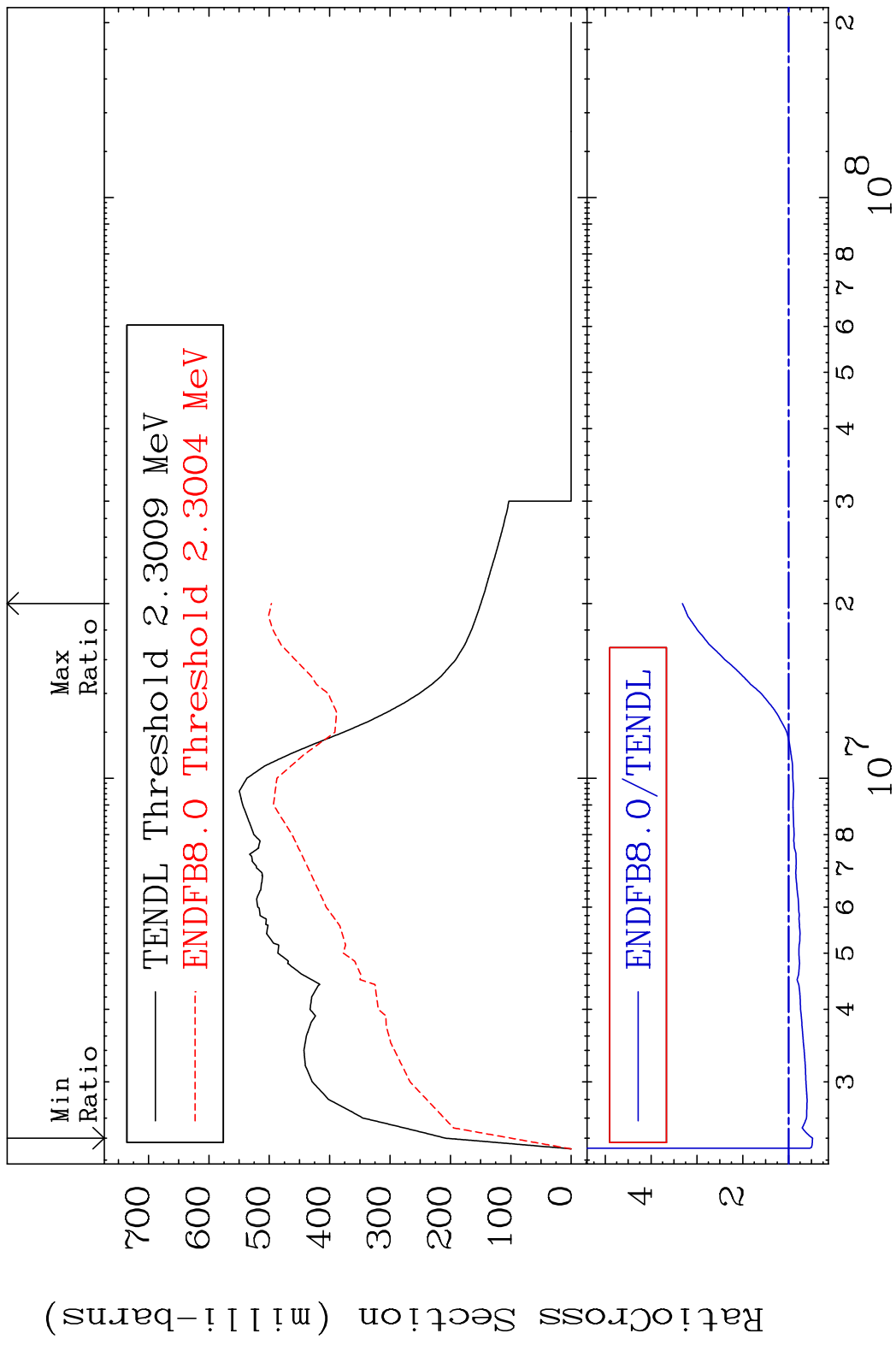
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

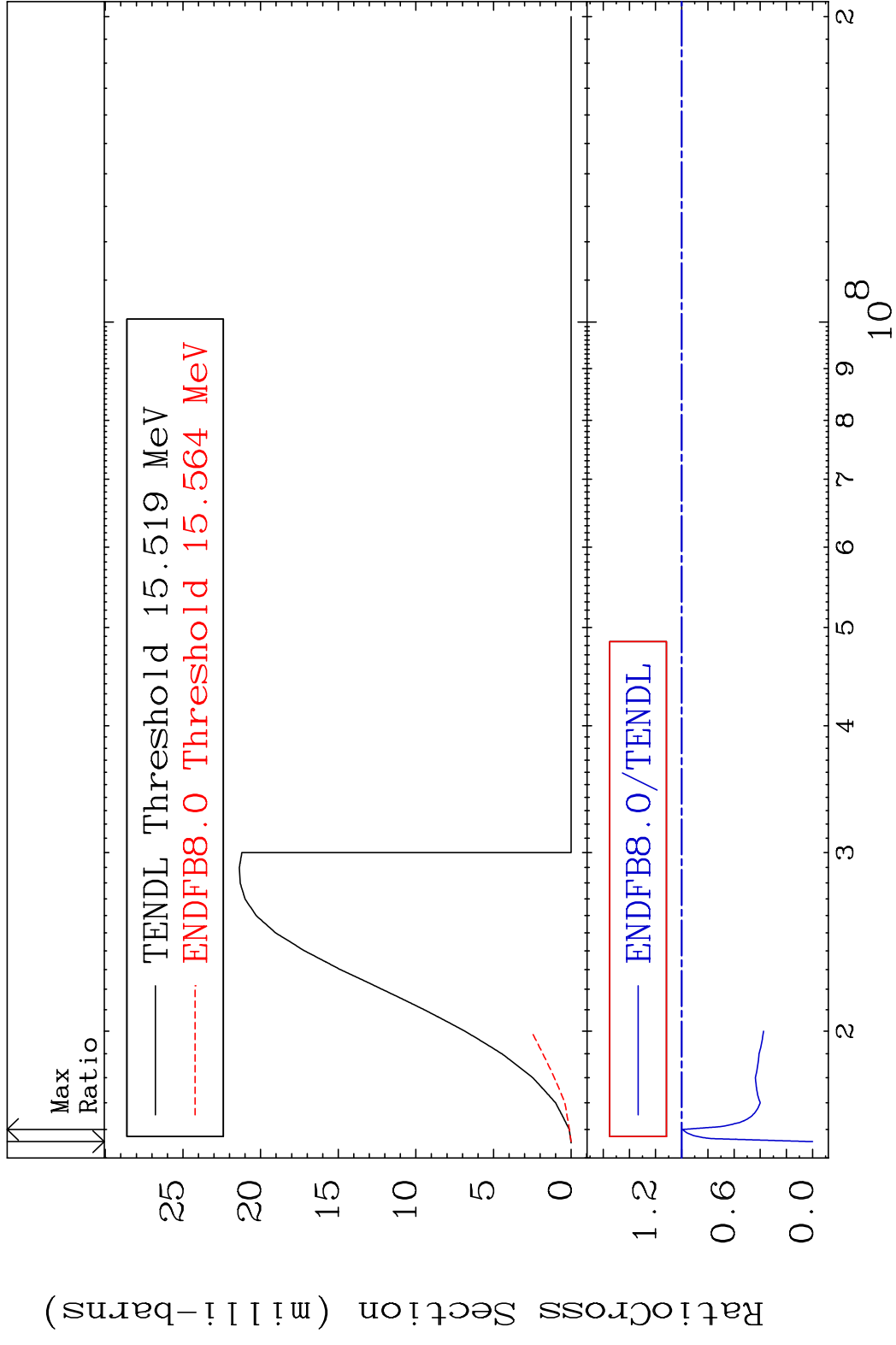
16-S -32

MAT 1625 Inelastic 16-S -32
 Cross Section -52.22 To 231.8 %

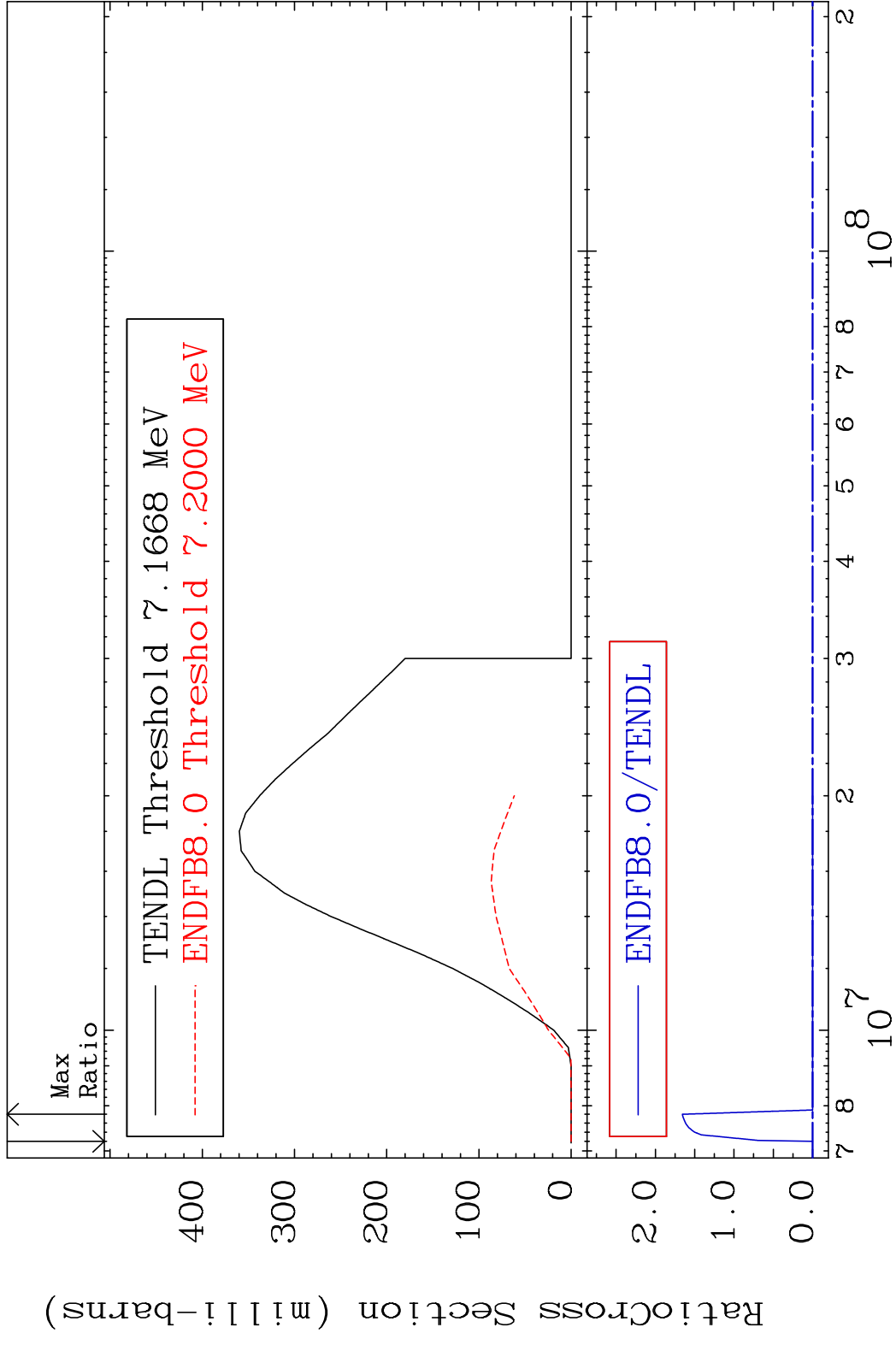


3 3 Incident Energy (eV) 16-S -32

MAT 1625 (n,2n) 16-S -32
 Cross Section -100.0 To -0.491%



MAT 1625 (n, n') α 16-S -32
 Cross Section -100.0 To 9999. %



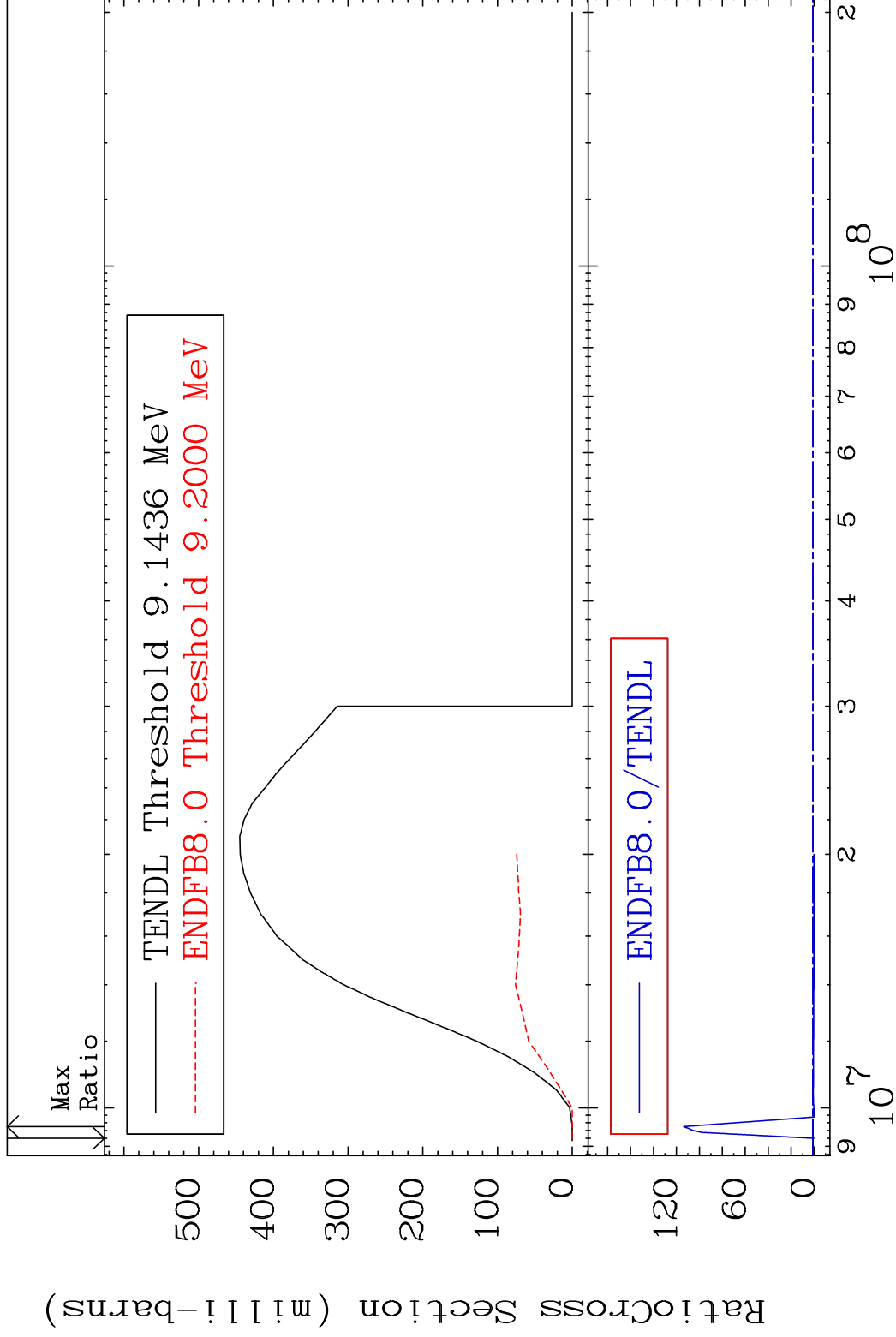
5 Incident Energy (eV) 16-S -32

MAT 1625

(n, n') p

16-S -32

Cross Section -100.0 To 9999. %

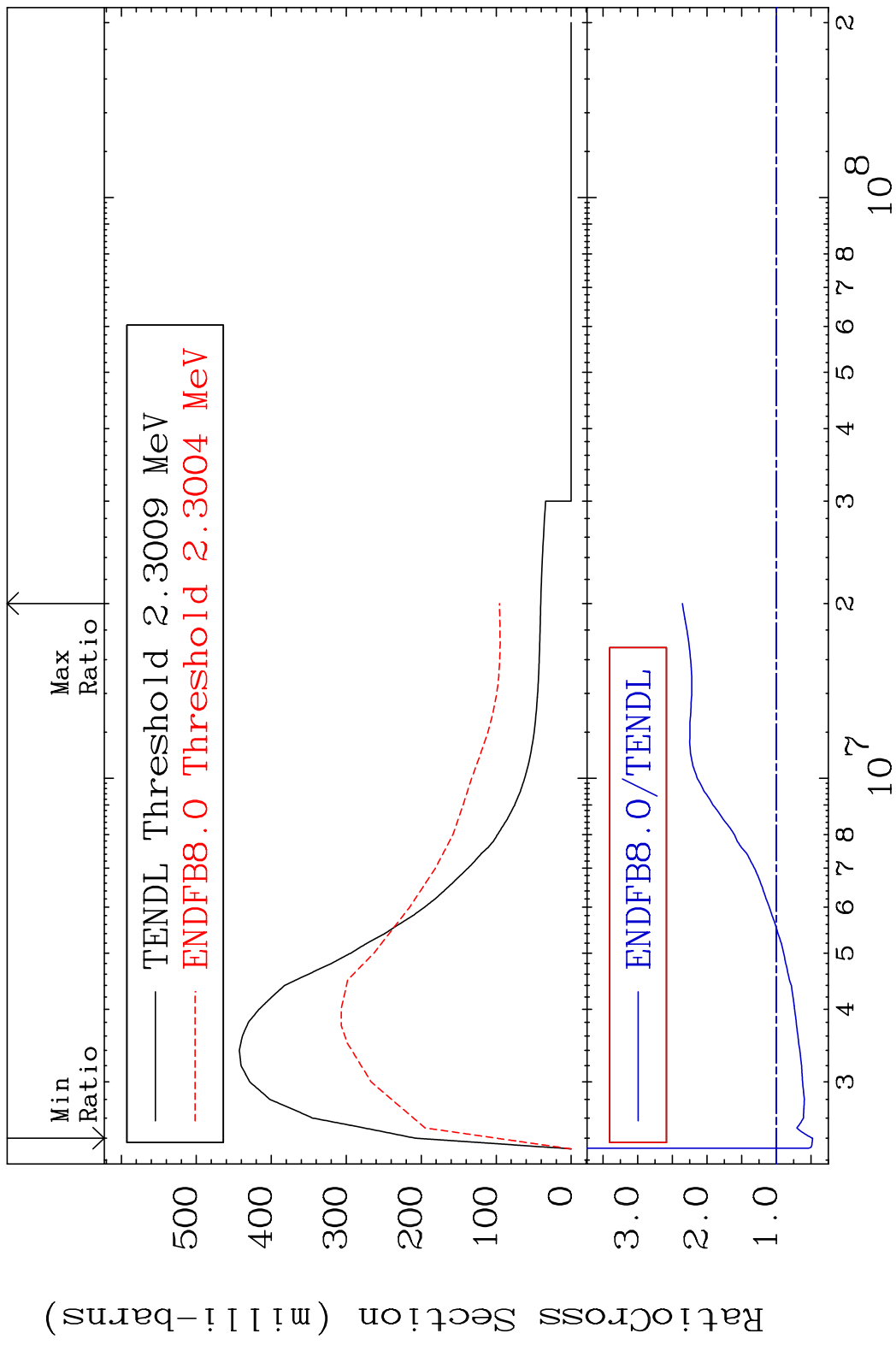


6

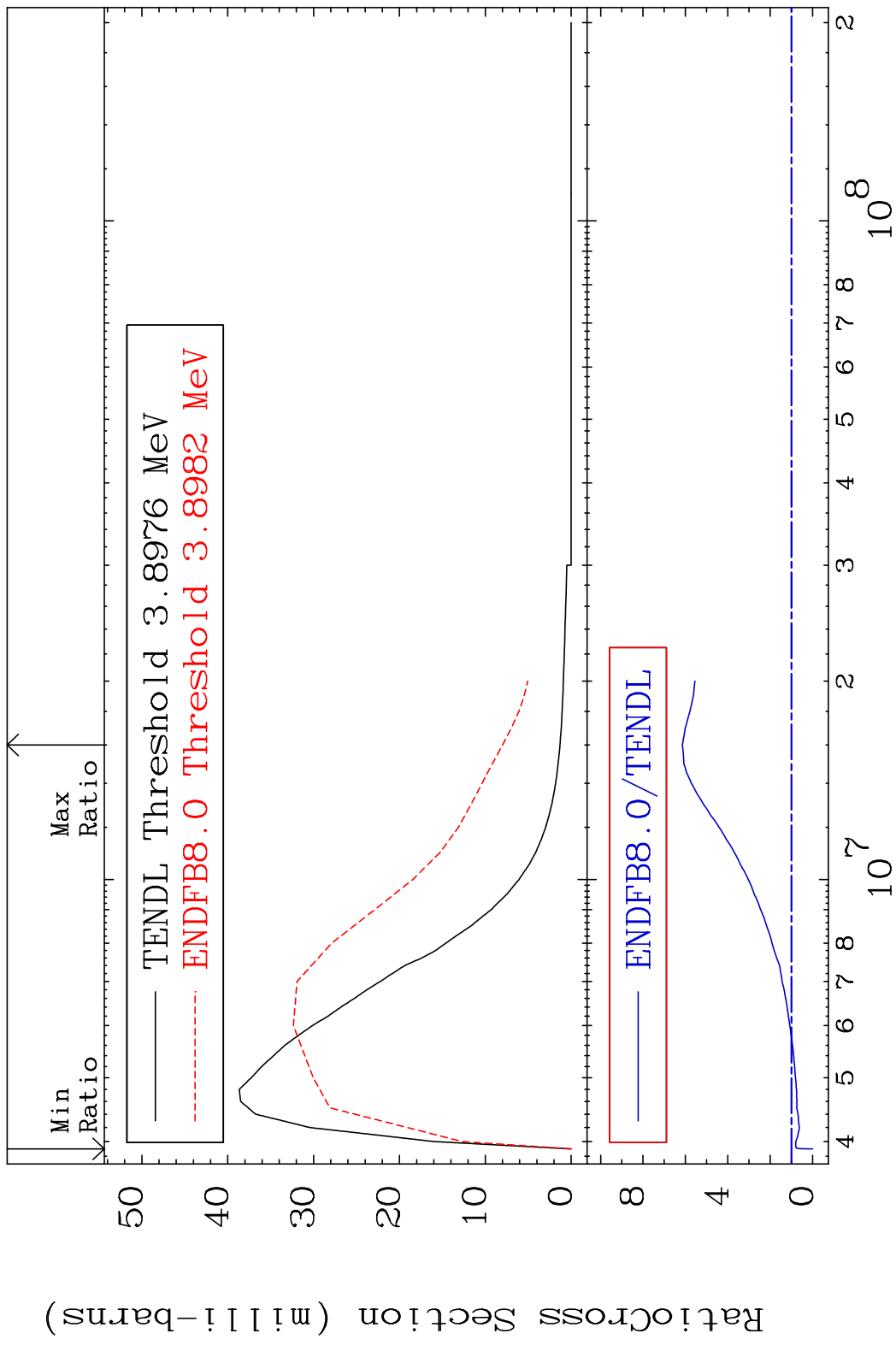
Incident Energy (eV)

16-S -32

MAT 1625 MT= 51 (n, n') Level 16-S -32
 Cross Section -52.22 To 135.5 %

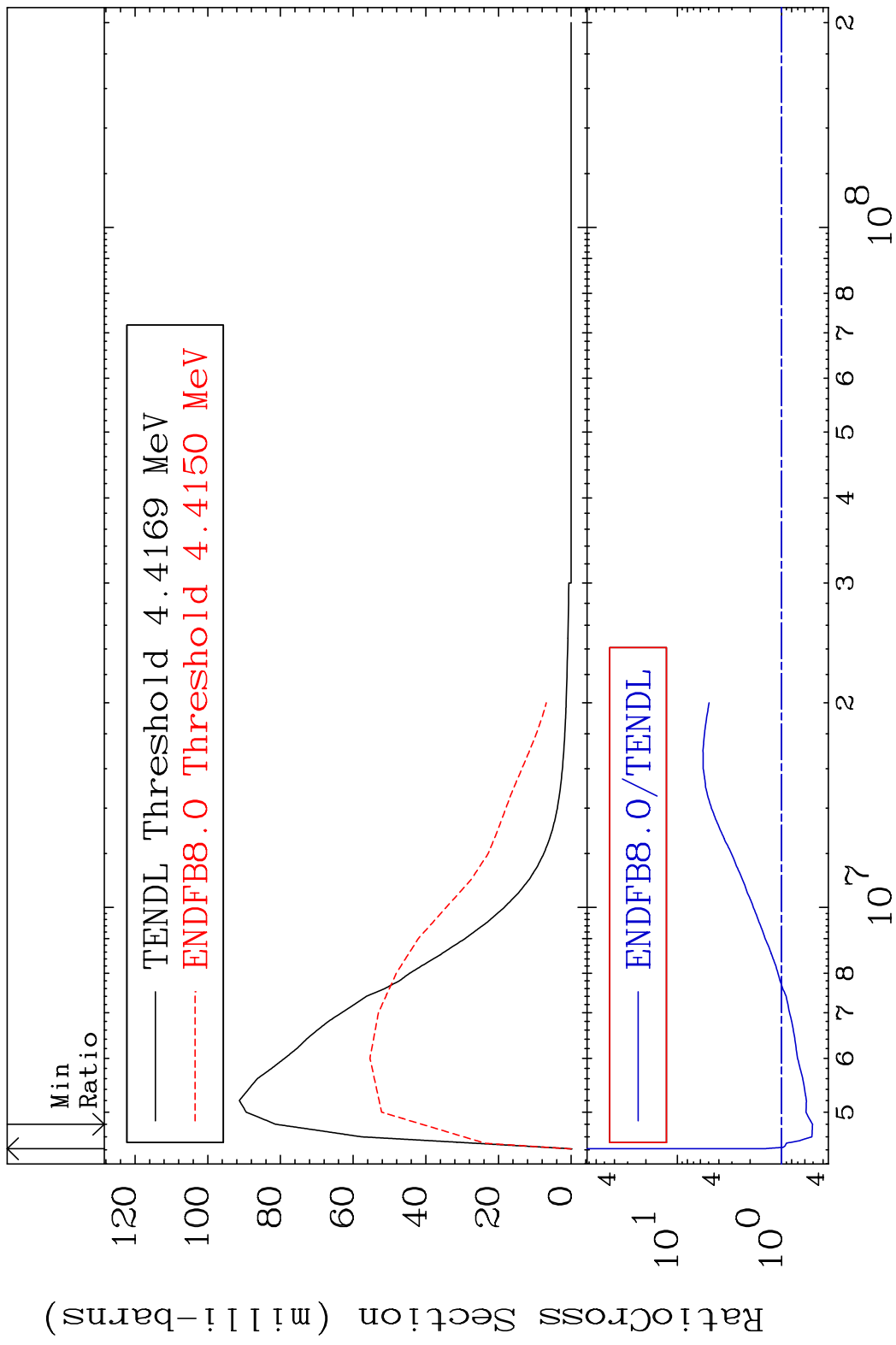


MAT 1625 MT= 52 (n,n') Level 16-S -32
 Cross Section -100.0 To 514.4 %



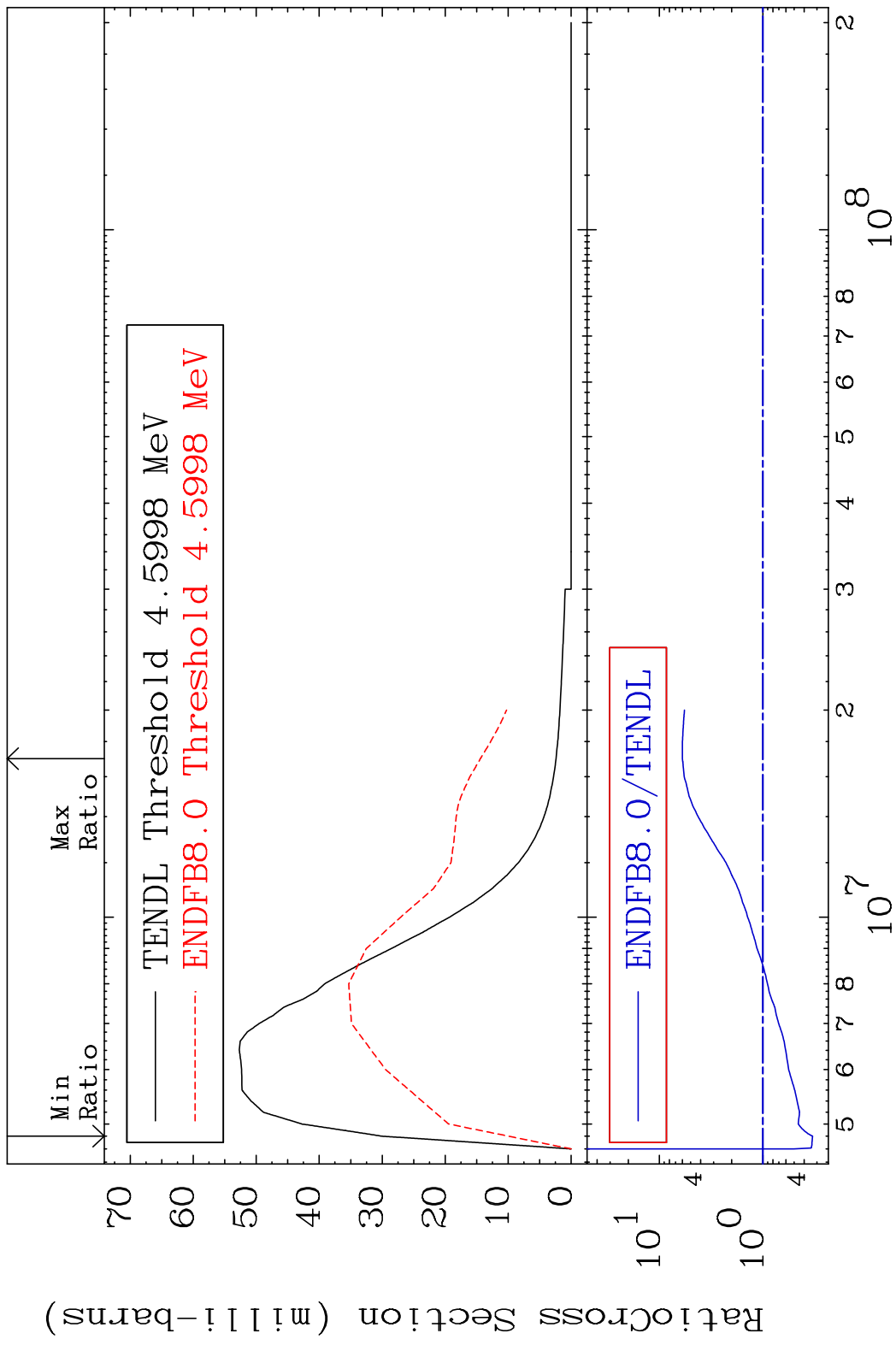
8 Incident Energy (eV) 16-S -32

MAT 1625 MT= 53 (n, n') Level 16-S -32
 Cross Section -49.48 To 794.8 %



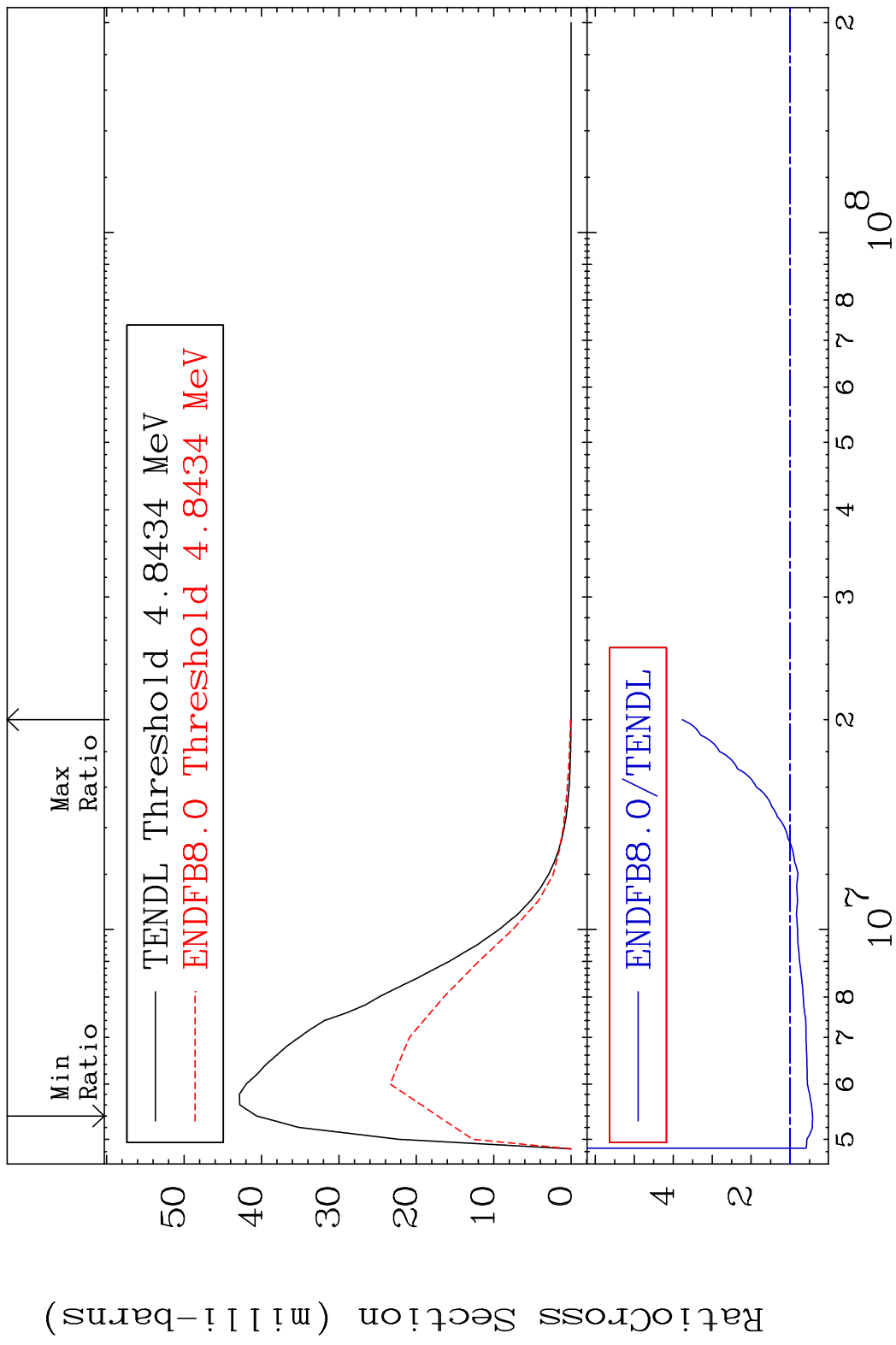
9 Incident Energy (eV) 16-S -32

MAT 1625 MT= 54 (n,n') Level 16-S -32
 Cross Section -66.89 To 500.5 %

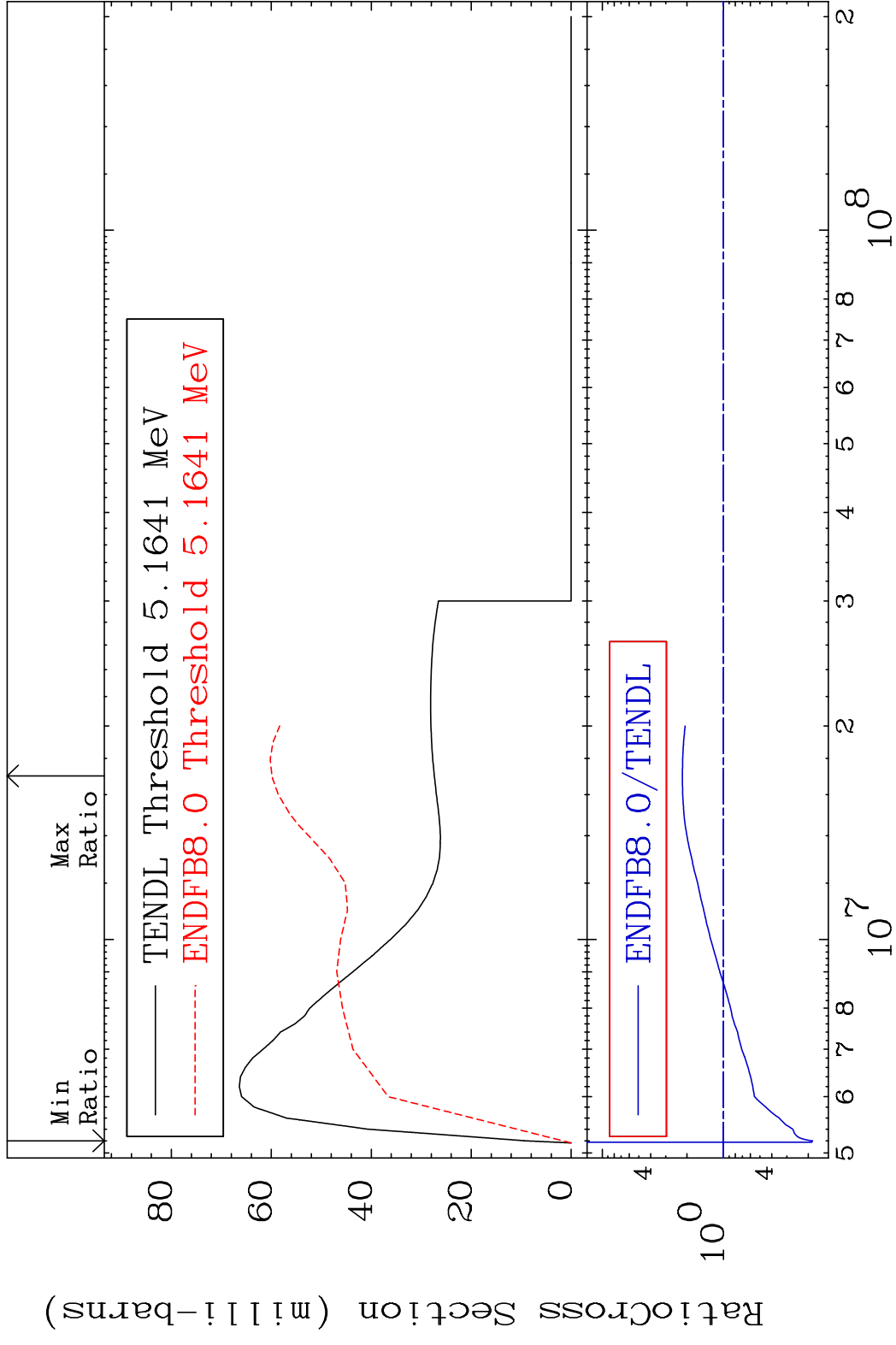


10 Incident Energy (eV) 16-S -32

MAT 1625 MT= 55 (n,n') Level 16-S -32
 Cross Section -57.62 To 276.5 %

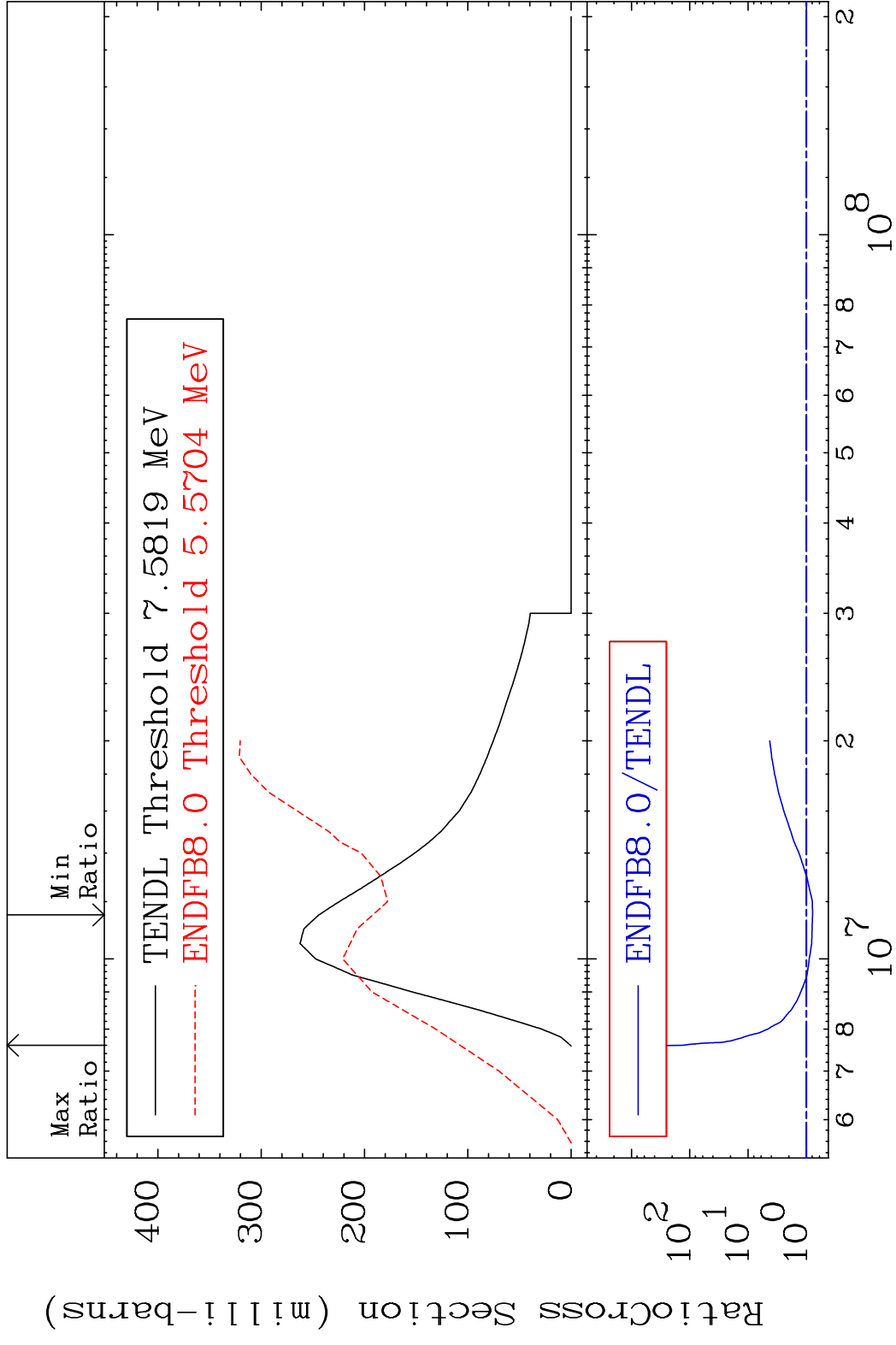


MAT 1625 MT= 56 (n,n') Level 16-S -32
 Cross Section -81.59 To 118.7 %



12 Incident Energy (eV) 16-S -32

MAT 1625 (n,n') Continuum 16-S -32
 Cross Section -21.39 To 9999. %

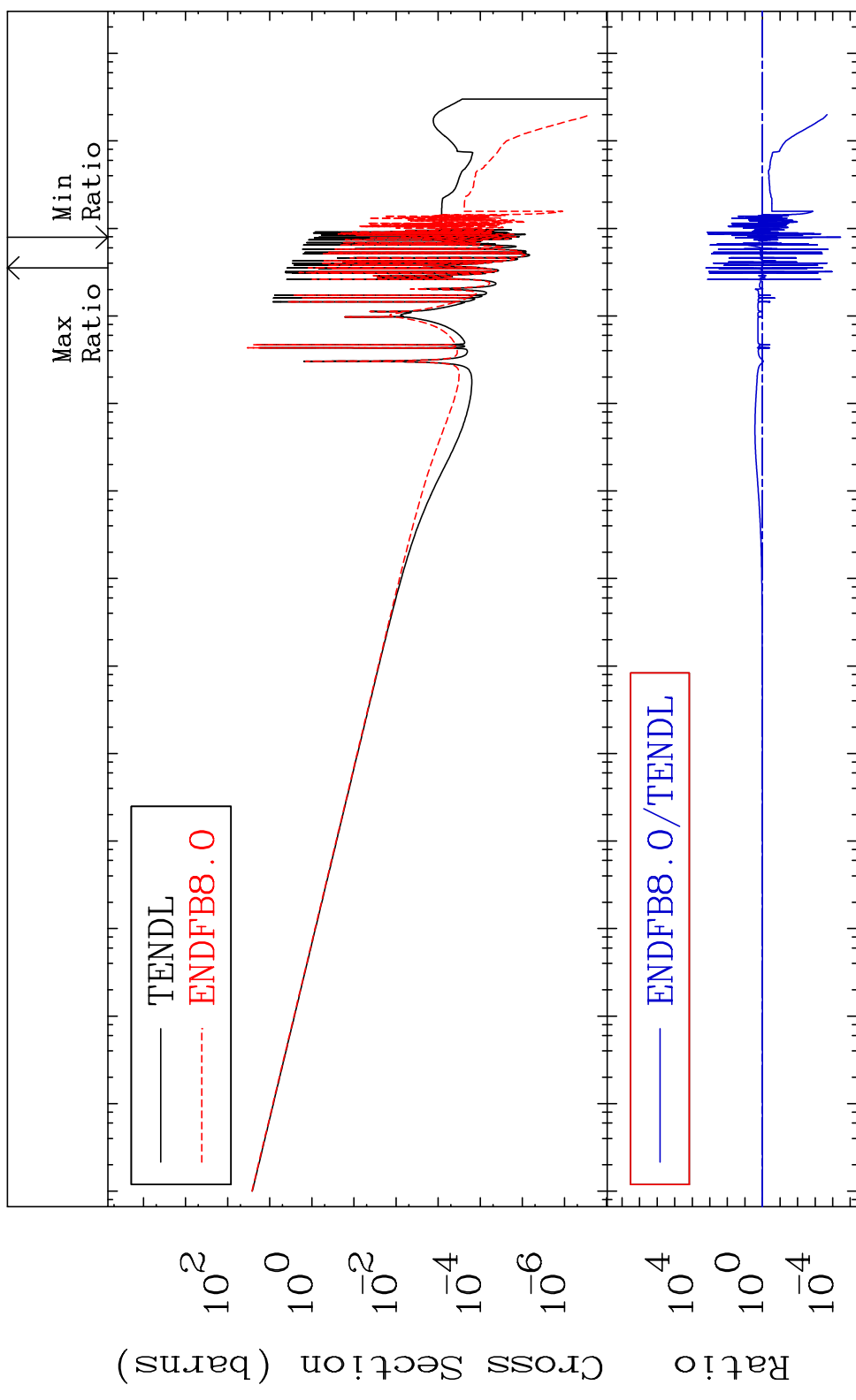


MAT 1625

(n, γ)

16-S -32

Cross Section -100.0 To 9999. %



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Incident Energy (eV)

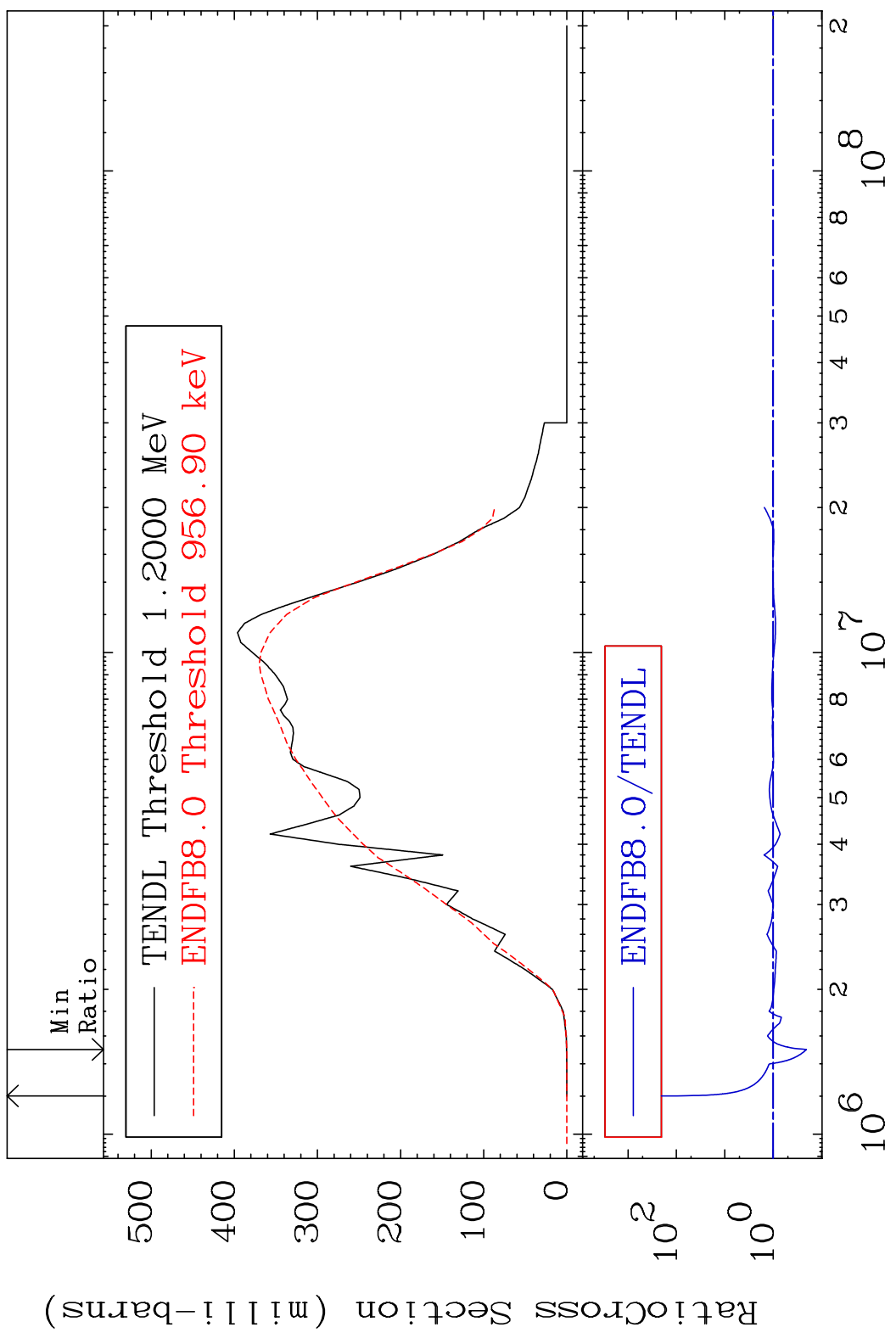
16-S -32

MAT 1625

(n,p)

16-S -32

Cross Section -79.33 To 9545. %



15

Incident Energy (eV)

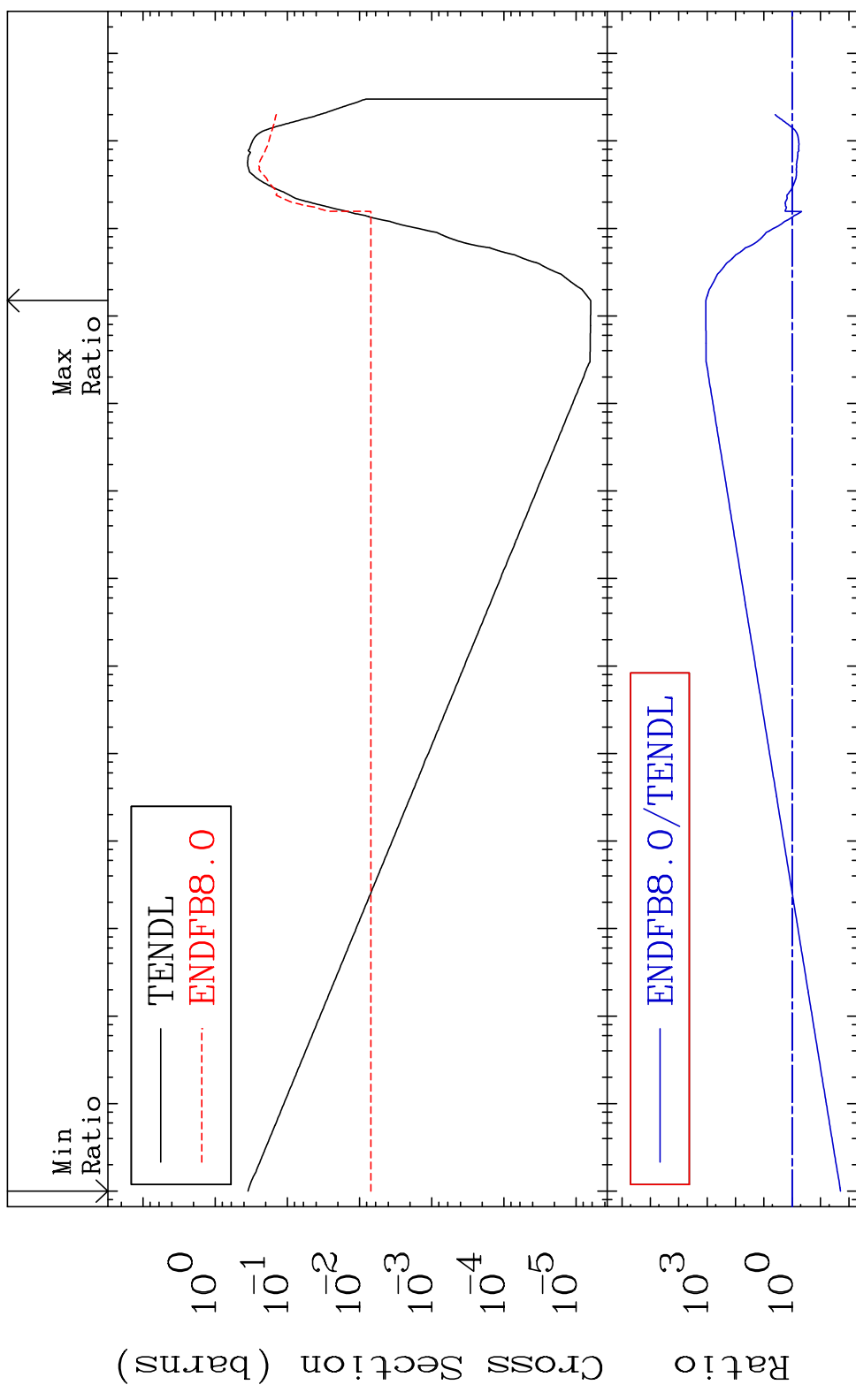
16-S -32

MAT 1625

(n, α)

16-S -32

Cross Section -98.01 To 9999. %



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

Ratio

10³

10⁰

Incident Energy (eV)

16

Incident Energy (eV)

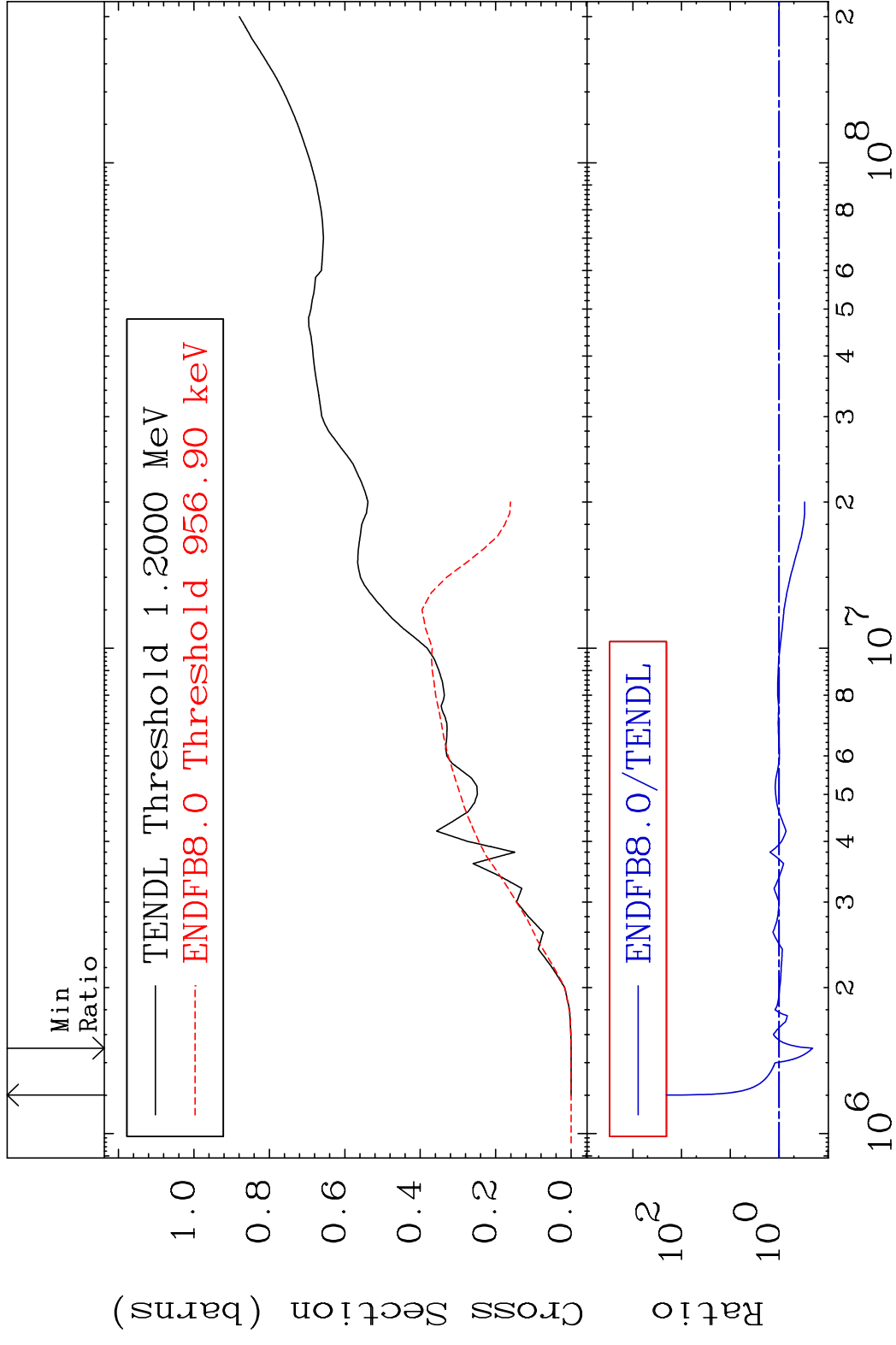
16-S -32

MAT 1625

Hydrogen Production

16-S -32

Cross Section -79.33 To 9545. %

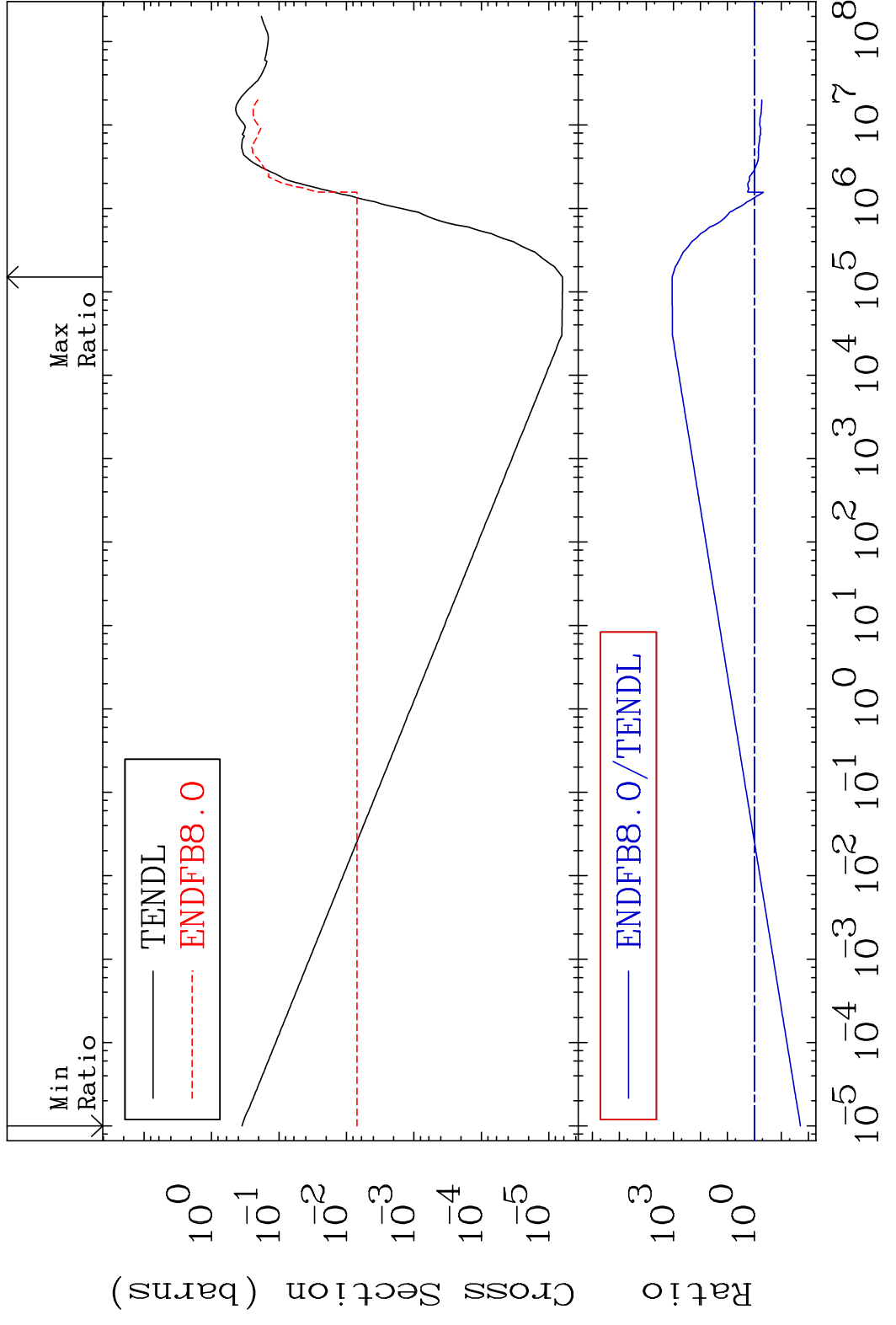


17

Incident Energy (eV)

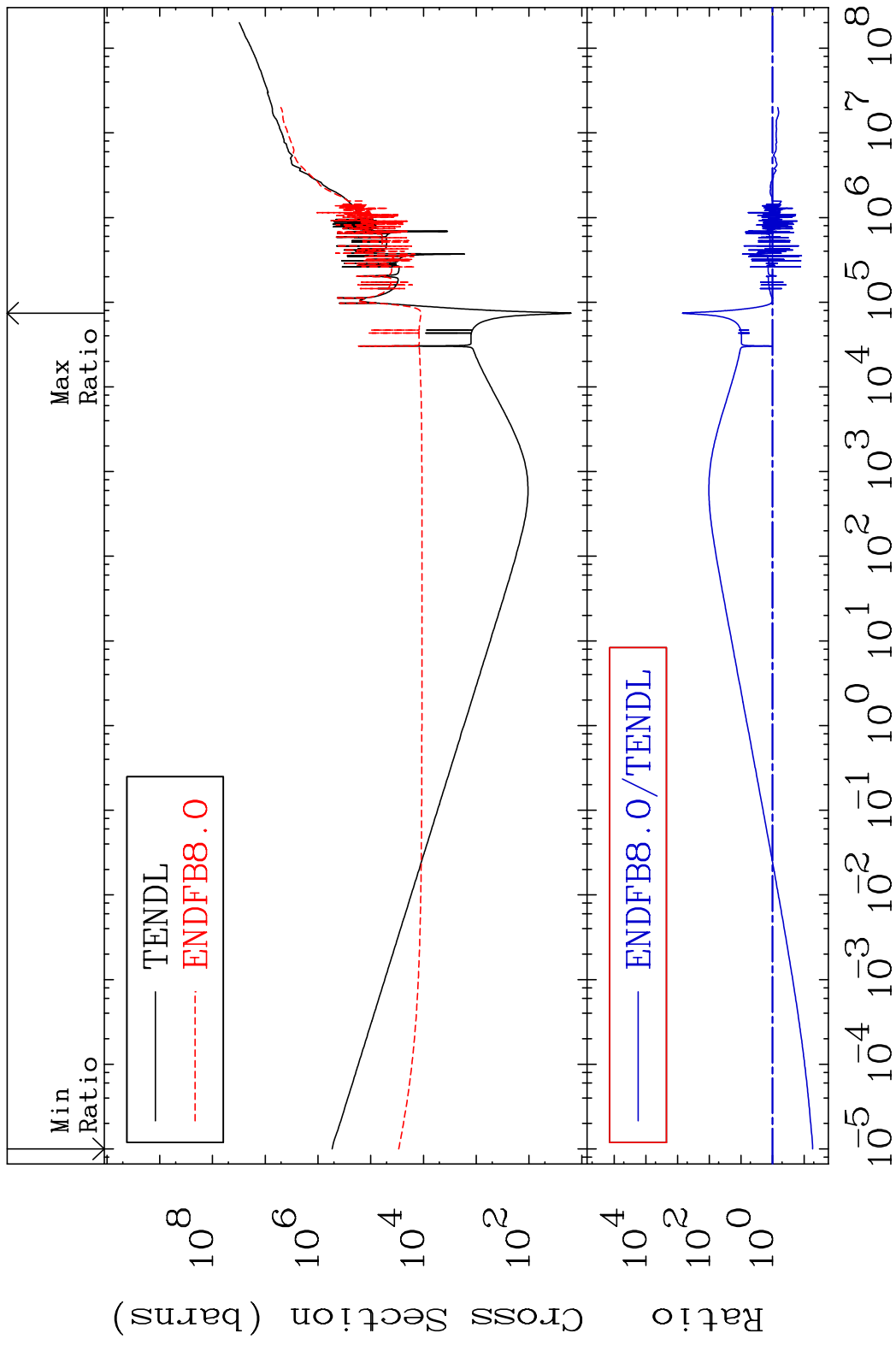
16-S -32

MAT 1625 He-4 Production 16-S -32
 Cross Section -98.01 To 9999. %



18 Incident Energy (eV) 16-S -32

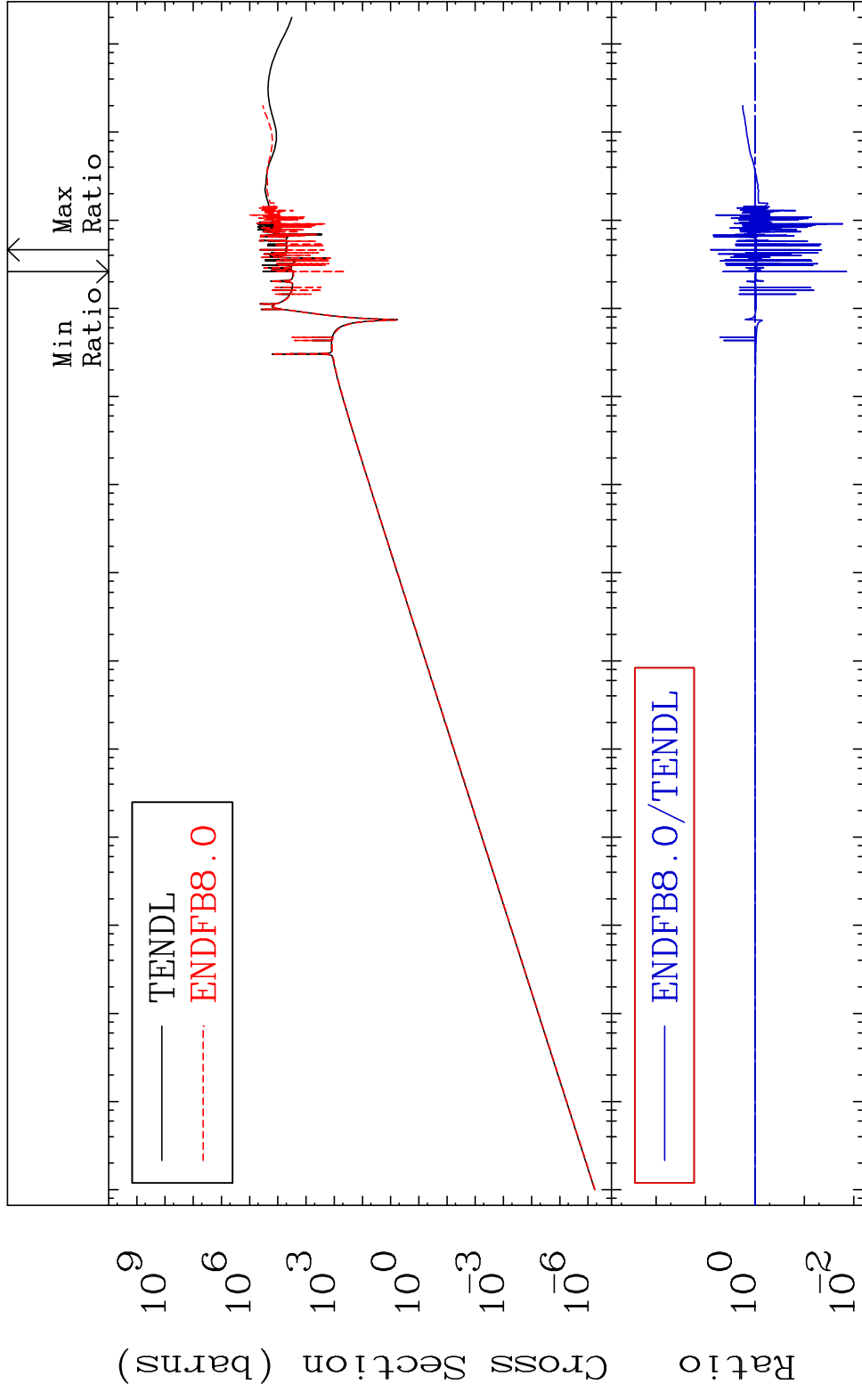
MAT 1625 Kerma total (eV-barns) 16-S -32
 Cross Section -94.54 To 9999. %



MAT 1625

Kerma elastic
Cross Section

16-S -32
-98.59 To 681.2 %

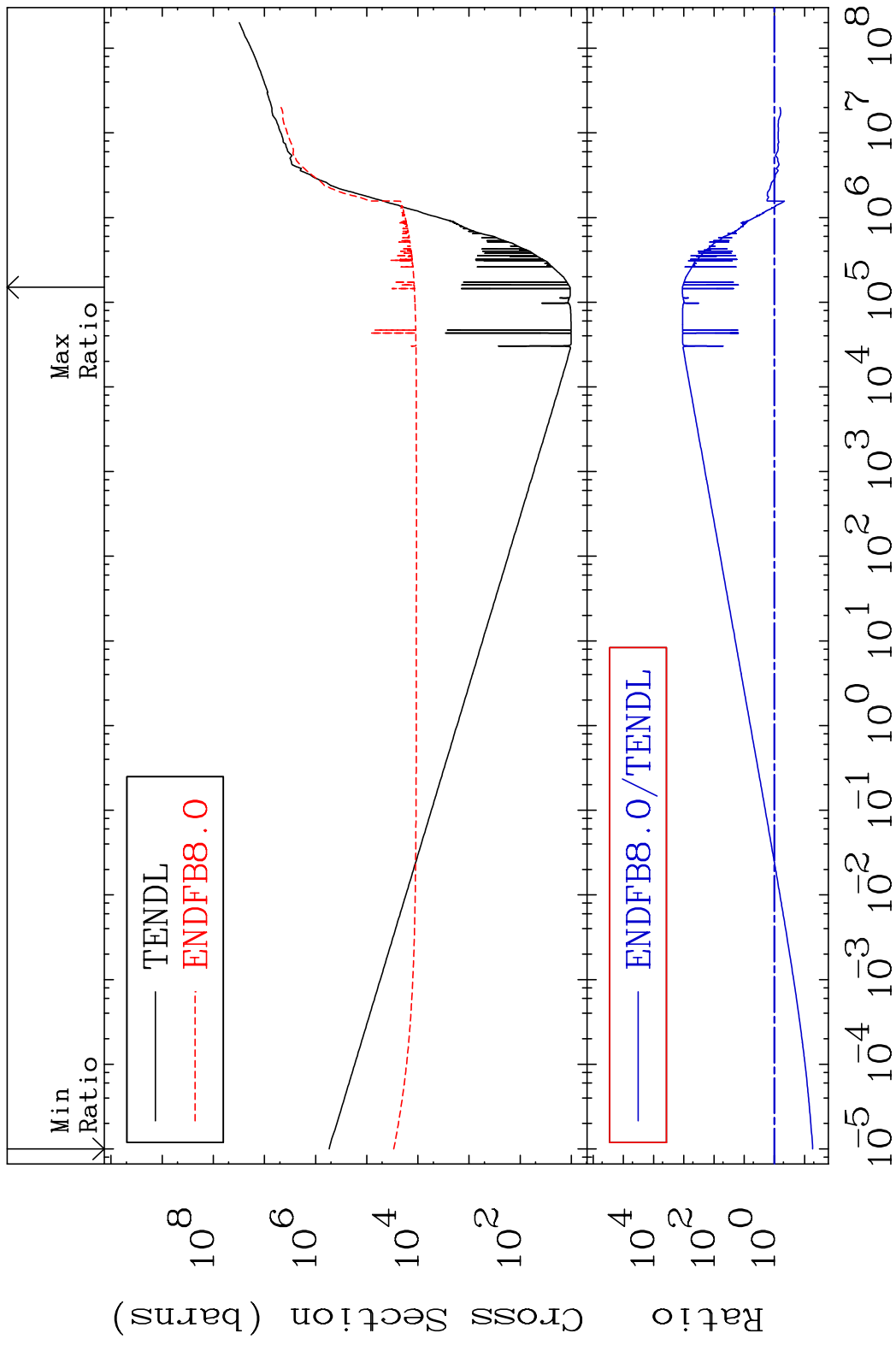


20

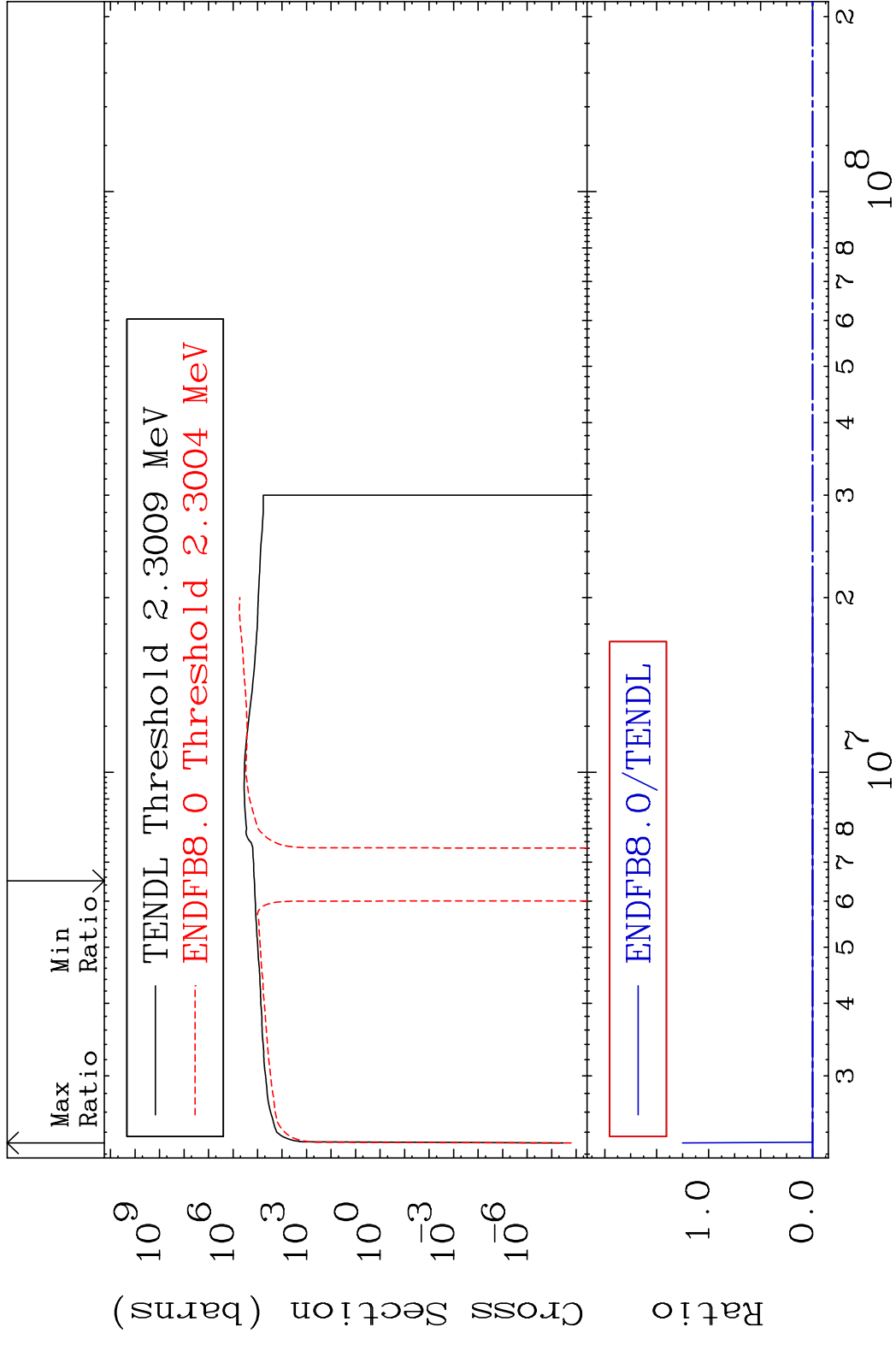
Incident Energy (eV)

16-S -32

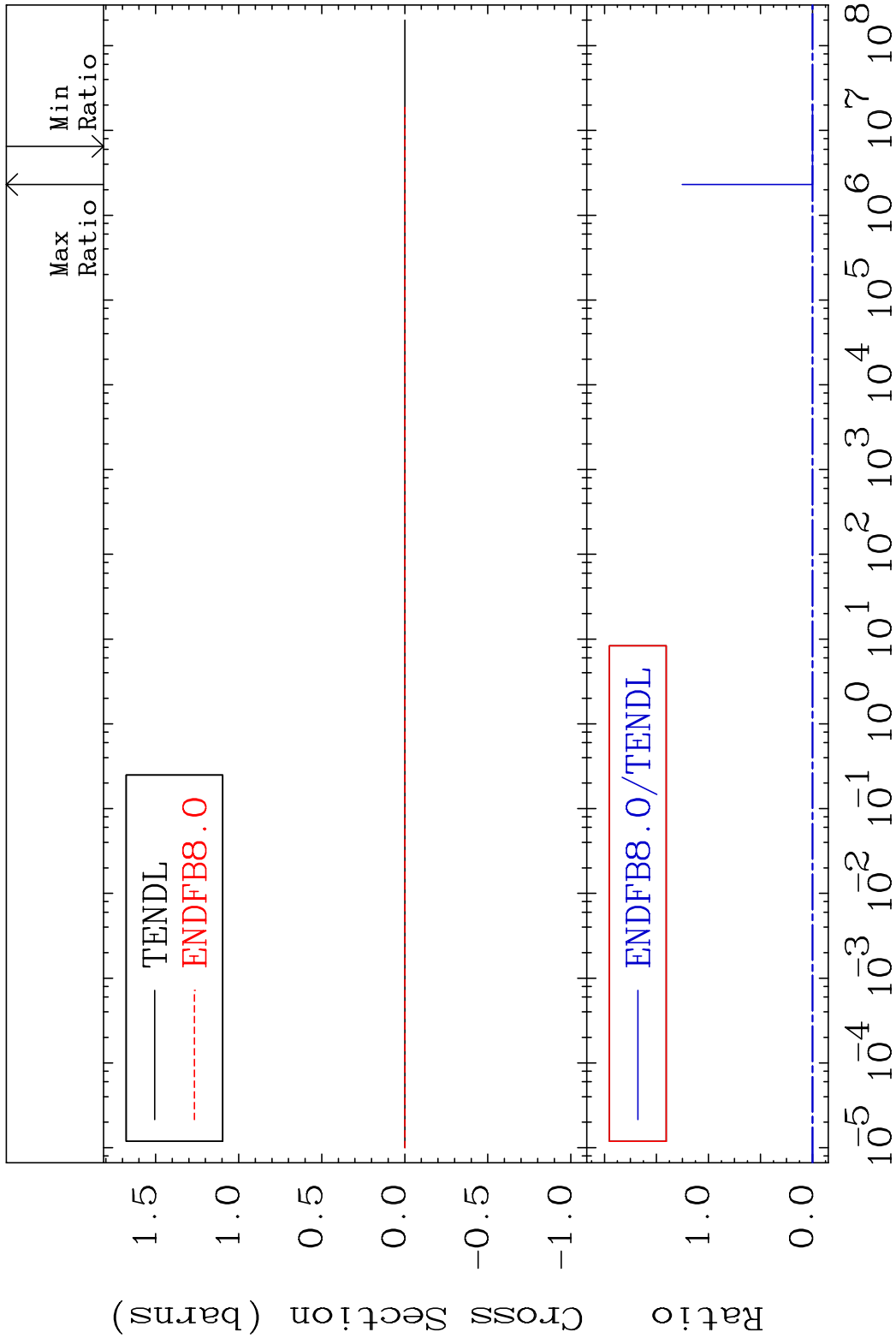
MAT 1625 Kerma non-elastic (all but mt2) 16-S -32
 Cross Section -94.54 To 9999. %



MAT 1625 Kerma inelastic (mt51-91) 16-S -32
 Cross Section -166.7 To 9999. %

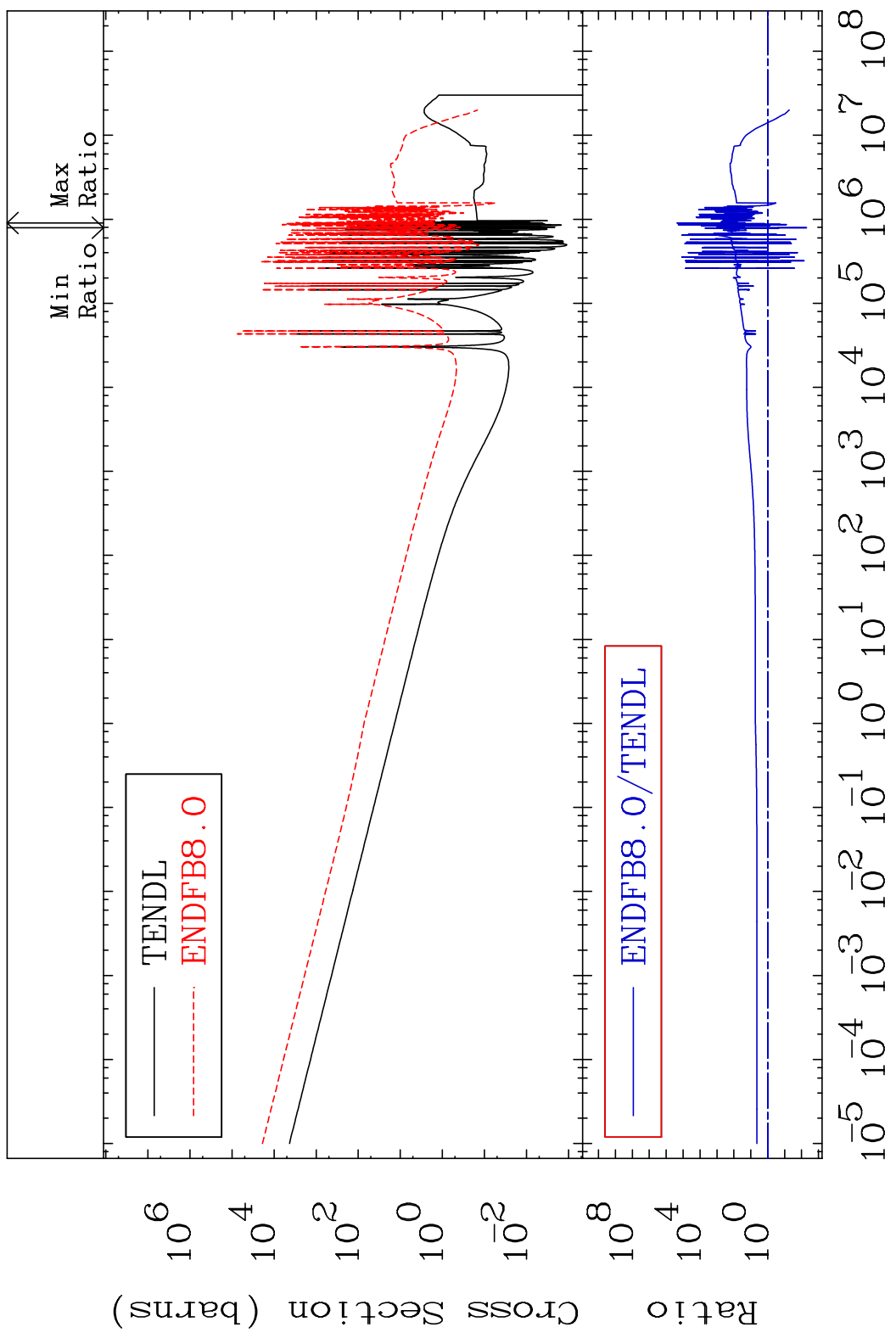


MAT 1625 Kerma fission (mt18 or mt19-20-21-38) 16-S -32
 Cross Section -166.7 To 9999. %



MAT 1625

Kerma capture (mt102) 16-S -32
Cross Section -99.48 To 9999. %



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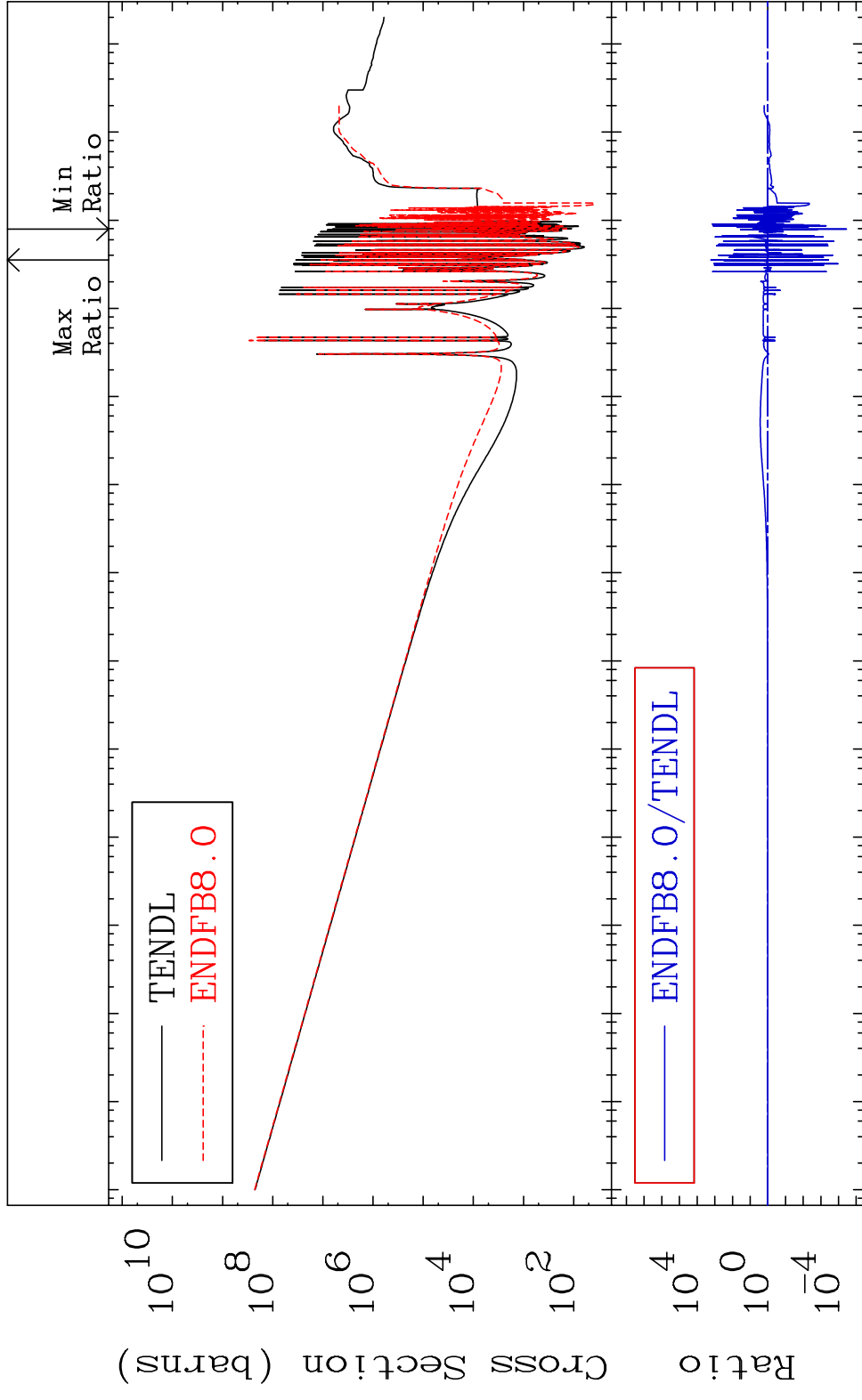
Incident Energy (eV) 16-S -32

MAT 1625

Total photon (eV-barns)

16-S -32

Cross Section -100.0 To 9999. %

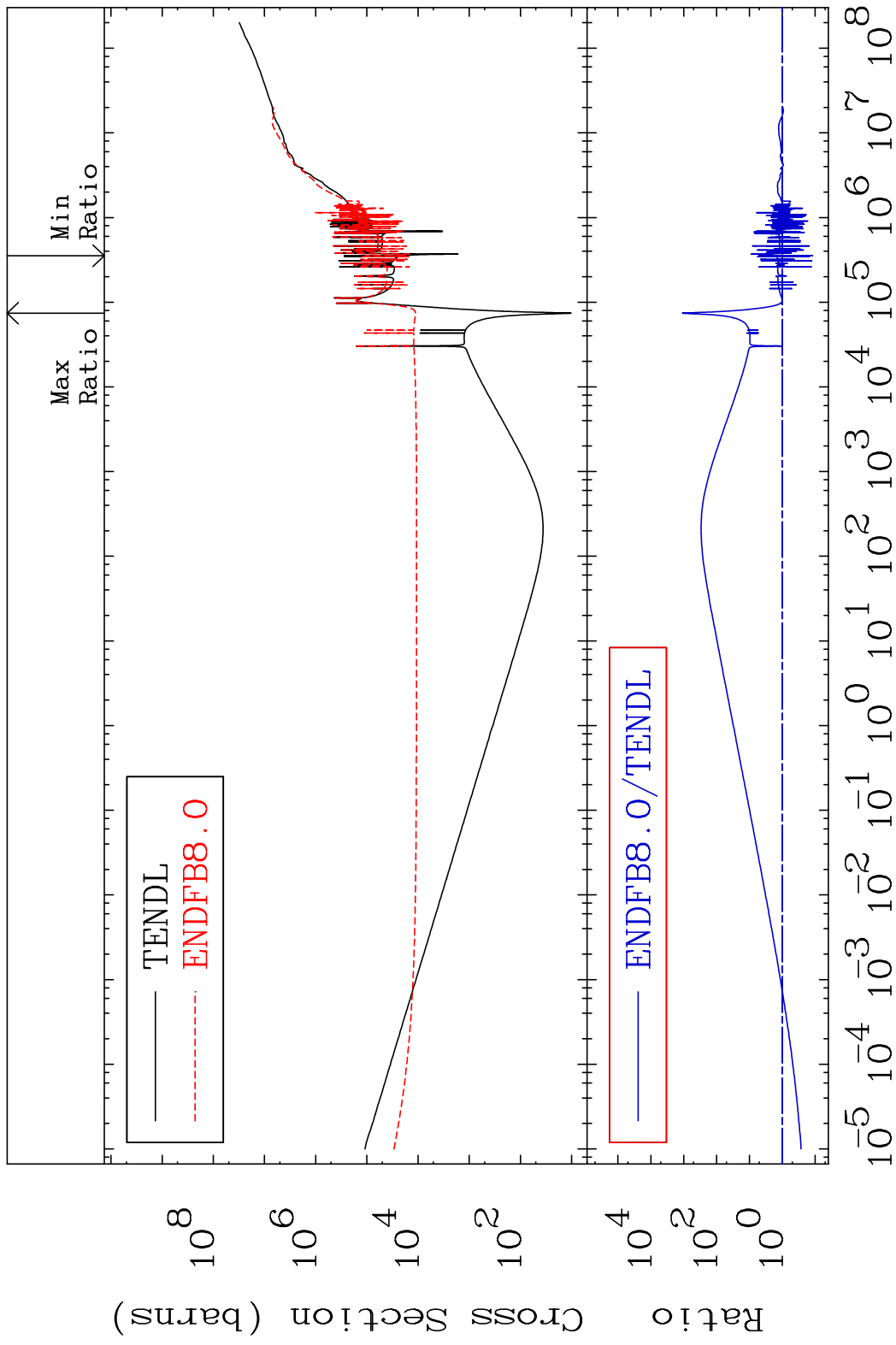


25

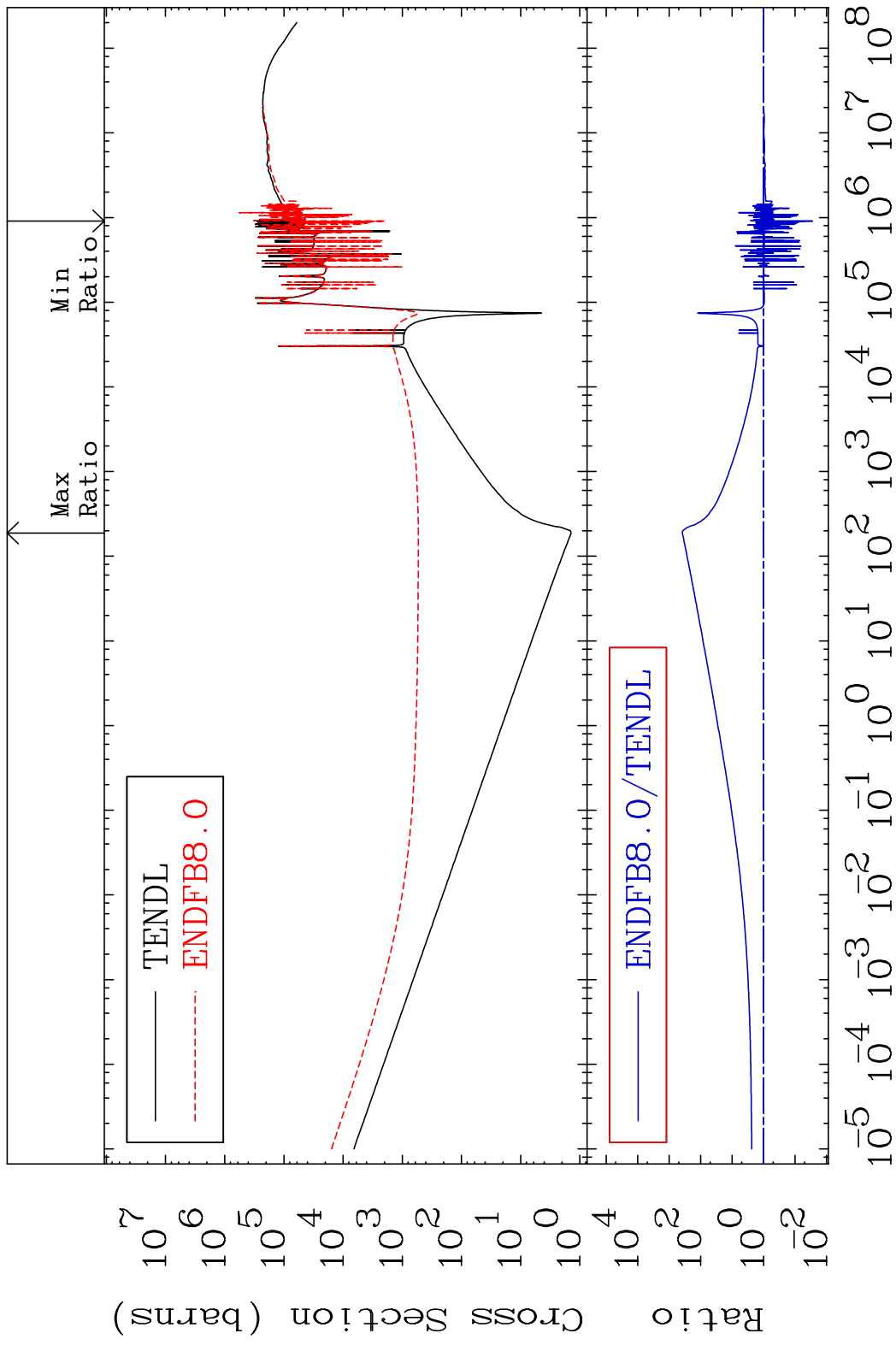
Incident Energy (eV)

16-S -32

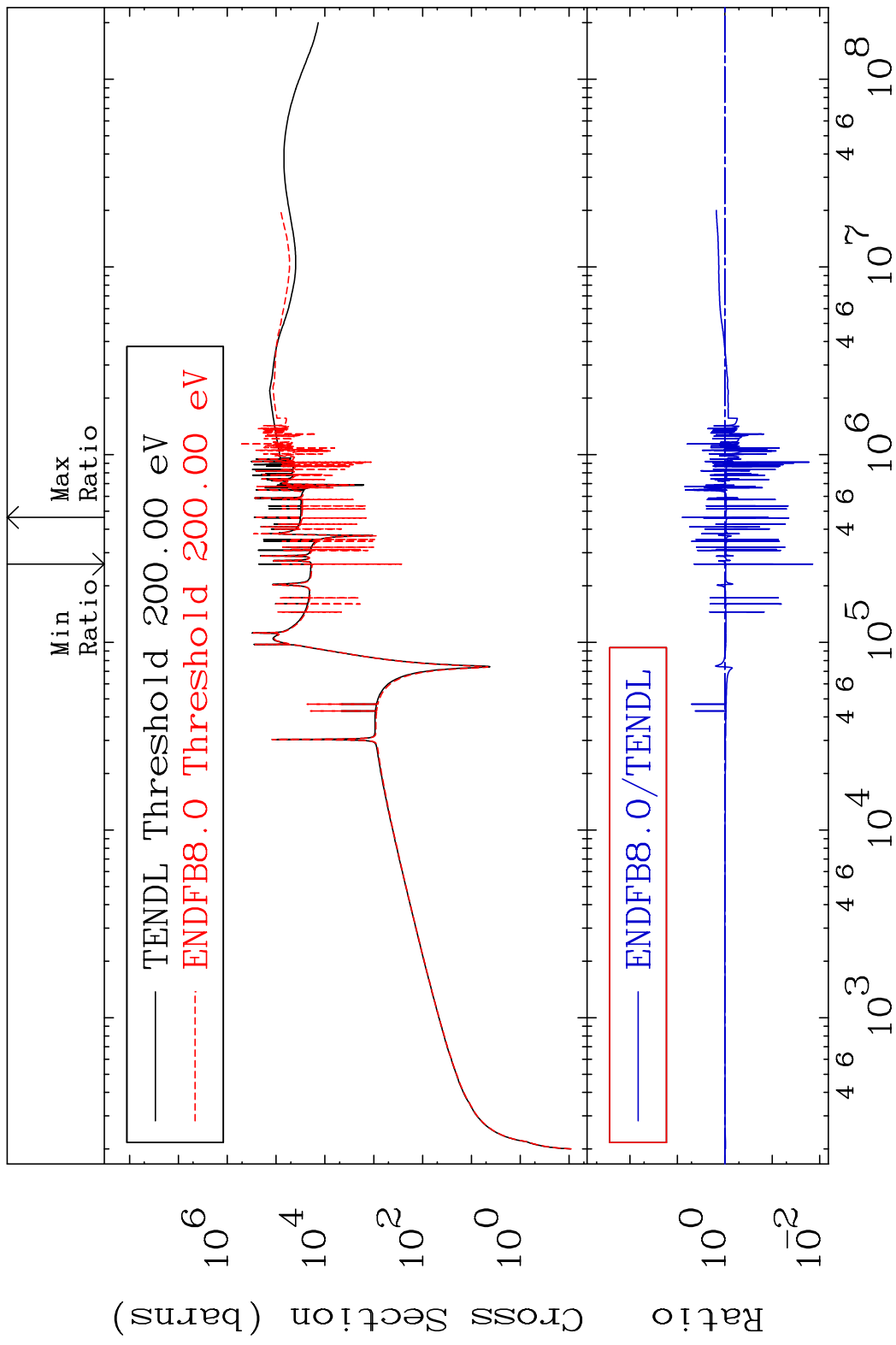
MAT 1625 Total kinematic kerma (high limit) 16-S -32
 Cross Section -87.98 To 9999. %



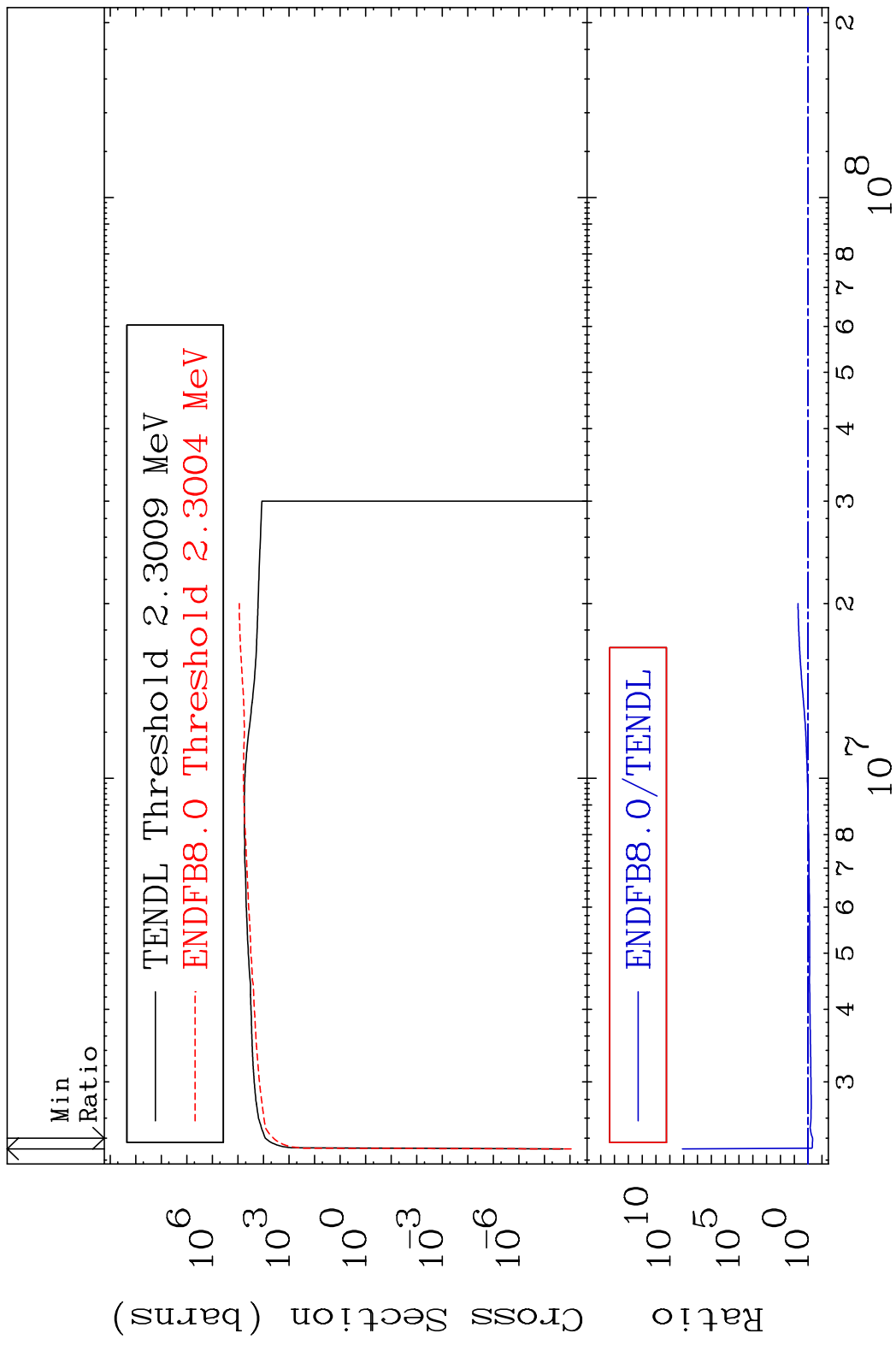
MAT 1625 Dpa total (eV-barns) 16-S -32
 Cross Section -97.21 To 9999. %



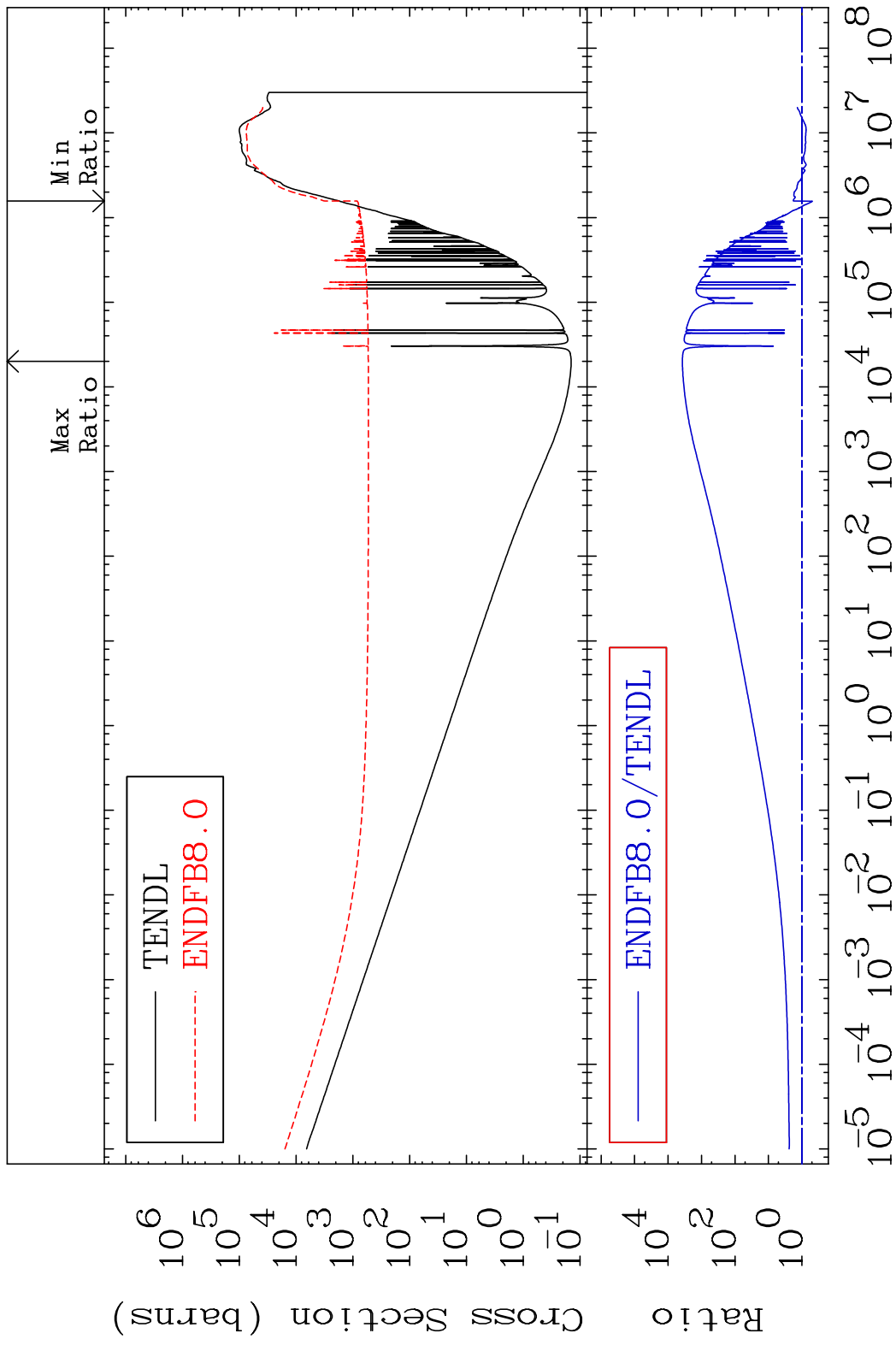
MAT 1625 Dpa elastic (mt2) 16-S -32
 Cross Section -98.59 To 683.2 %



MAT 1625 Dpa inelastic (mt51-91) 16-S -32
 Cross Section -52.15 To 9999. %



MAT 1625 Dpa disappearance (mt102 -120) 16-S -32
 Cross Section -51.96 To 9999. %



30 Incident Energy (eV) 16-S -32