

Program Complot
(Version 2021-1)

by

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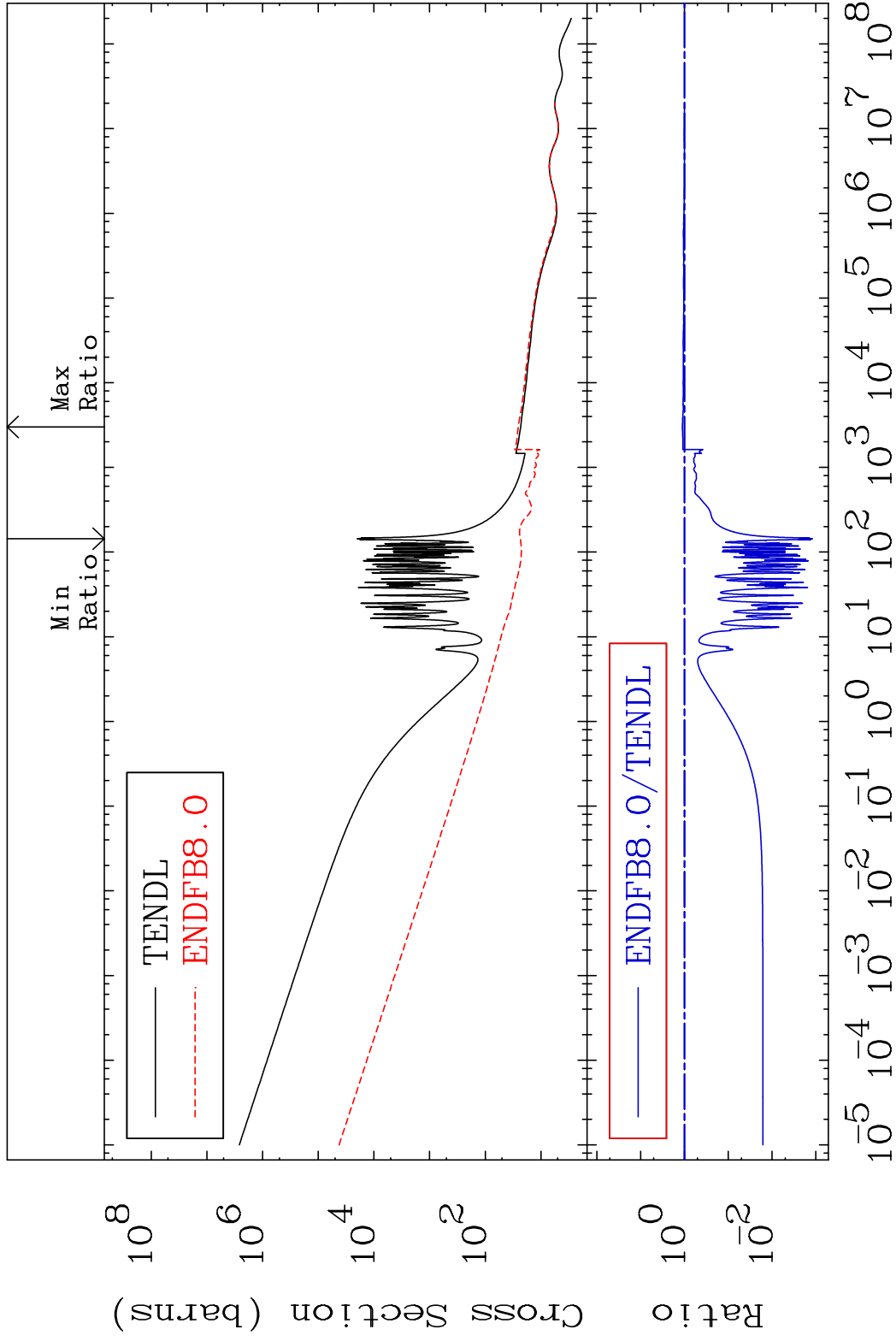
Press Mouse Button to Start

MAT 7735

Total

77-Ir-194m

Cross Section -99.88 To 11.14 %



1

Incident Energy (eV)

77-Ir-194m

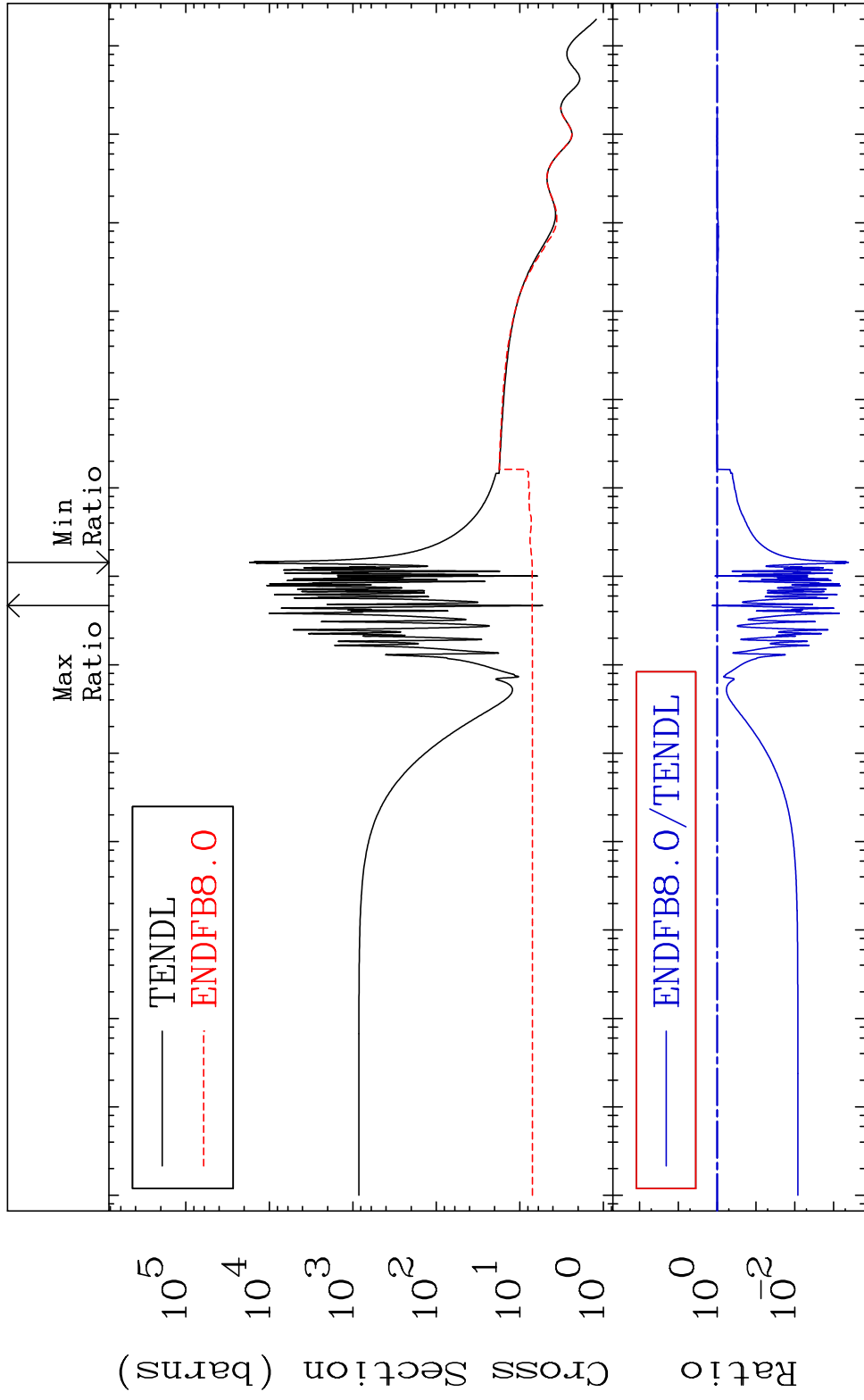
MAT 7735

Elastic

77-Ir-194m

Cross Section

-99.96 To 32.72 %



2

Incident Energy (eV)

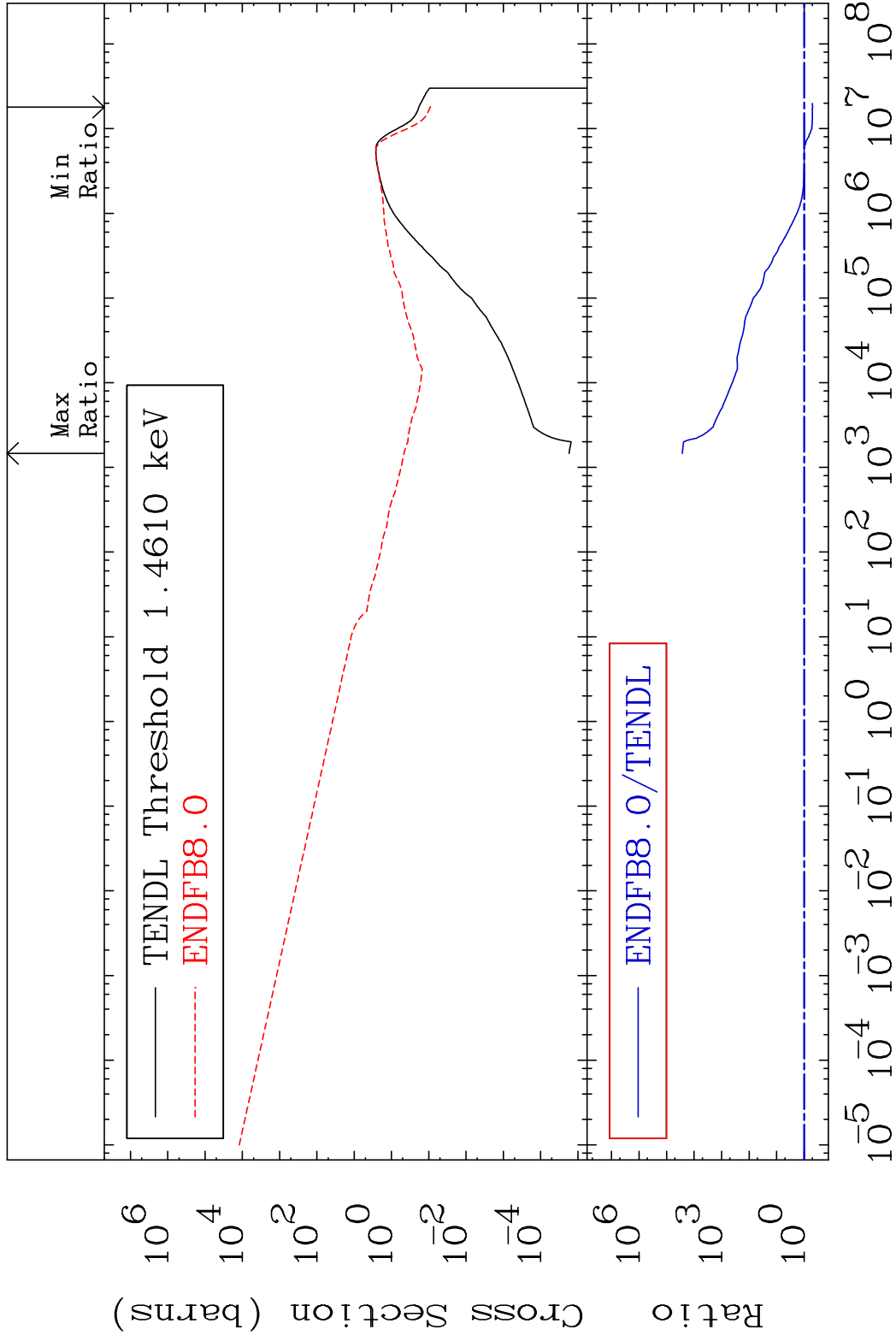
77-Ir-194m

MAT 7735

Inelastic

77-Ir-194m

Cross Section -50.28 To 9999. %



3

Incident Energy (eV)

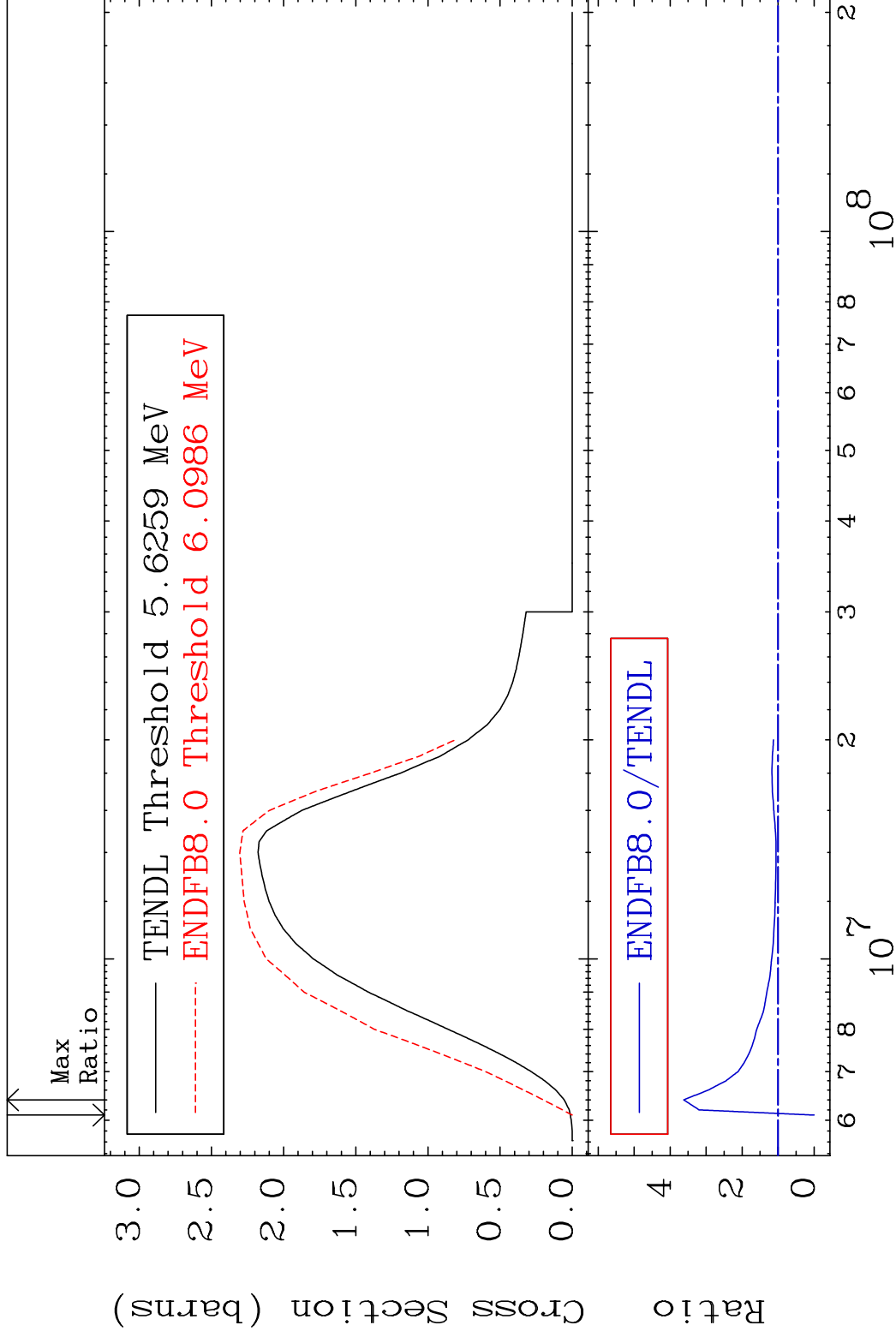
77-Ir-194m

MAT 7735

(n,2n)

77-Ir-194m

Cross Section -100.0 To 262.4 %



4

Incident Energy (eV)

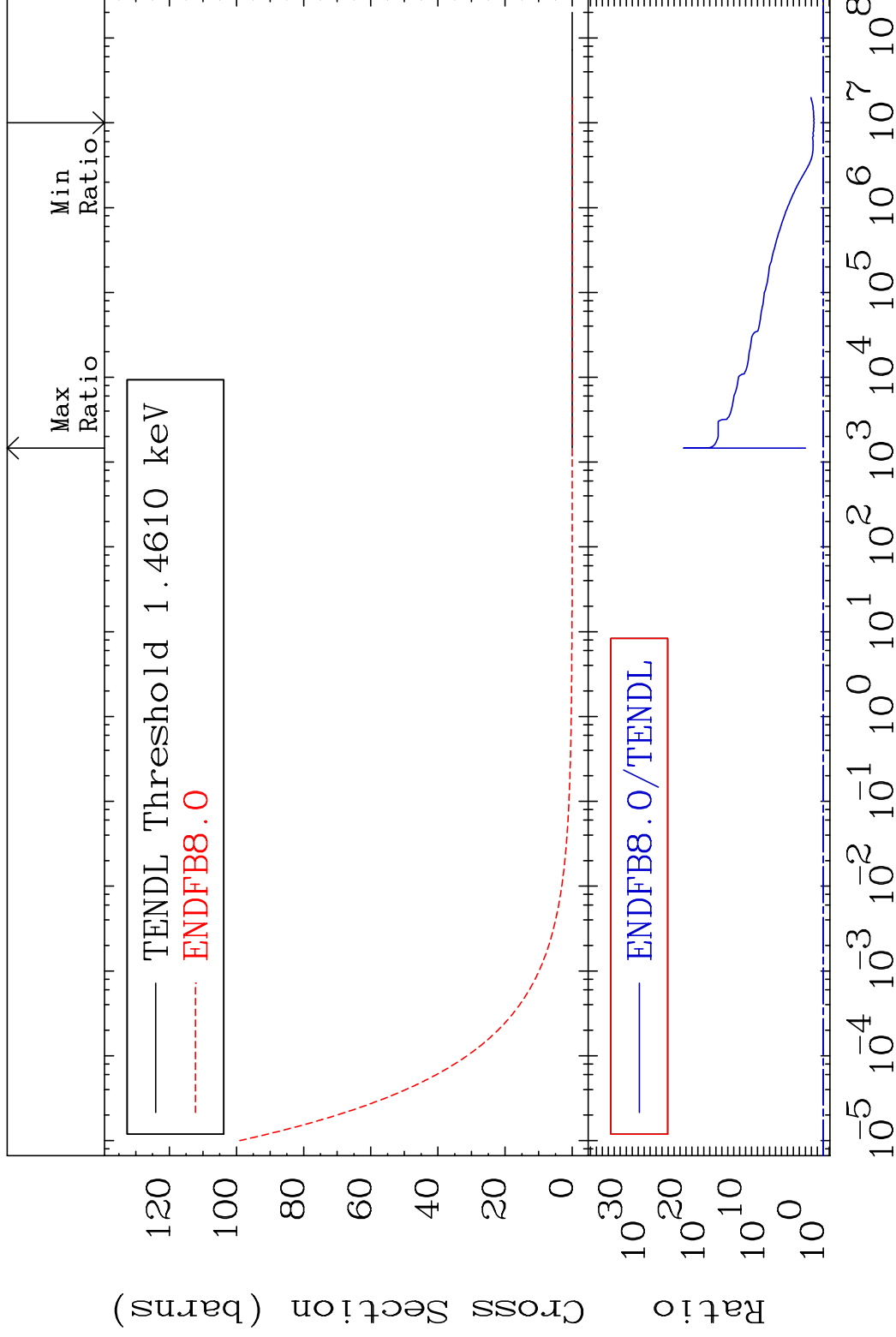
77-Ir-194m

MAT 7735

MT= 51 (n, n') Level

77-Ir-194m

Cross Section 3337. To 9999. %



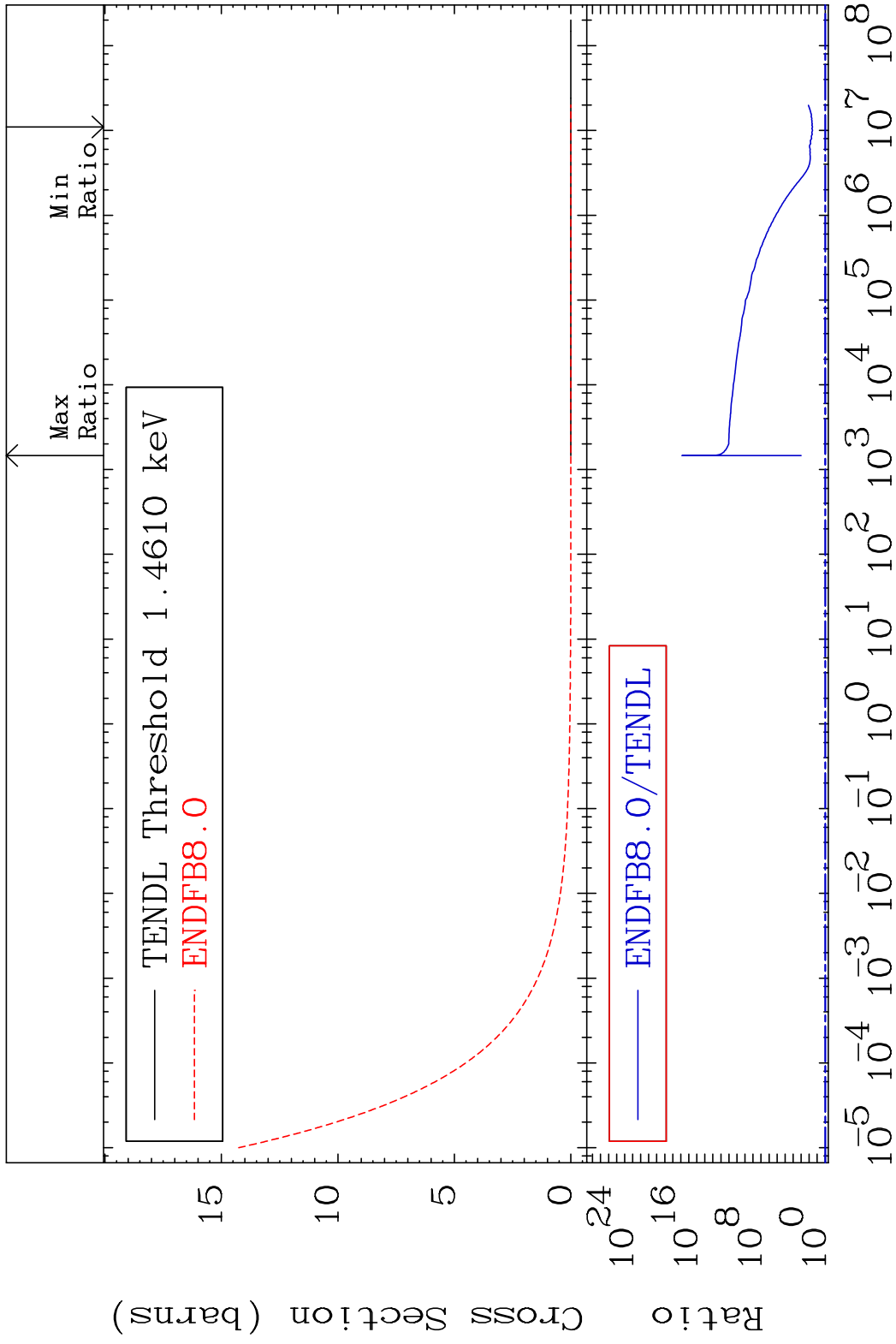
5

Incident Energy (eV)

77-Ir-194m

MAT 7735

MT= 52 (n, n') Level 77-Ir-194m
Cross Section 3765. To 9999. %



6

Incident Energy (eV)

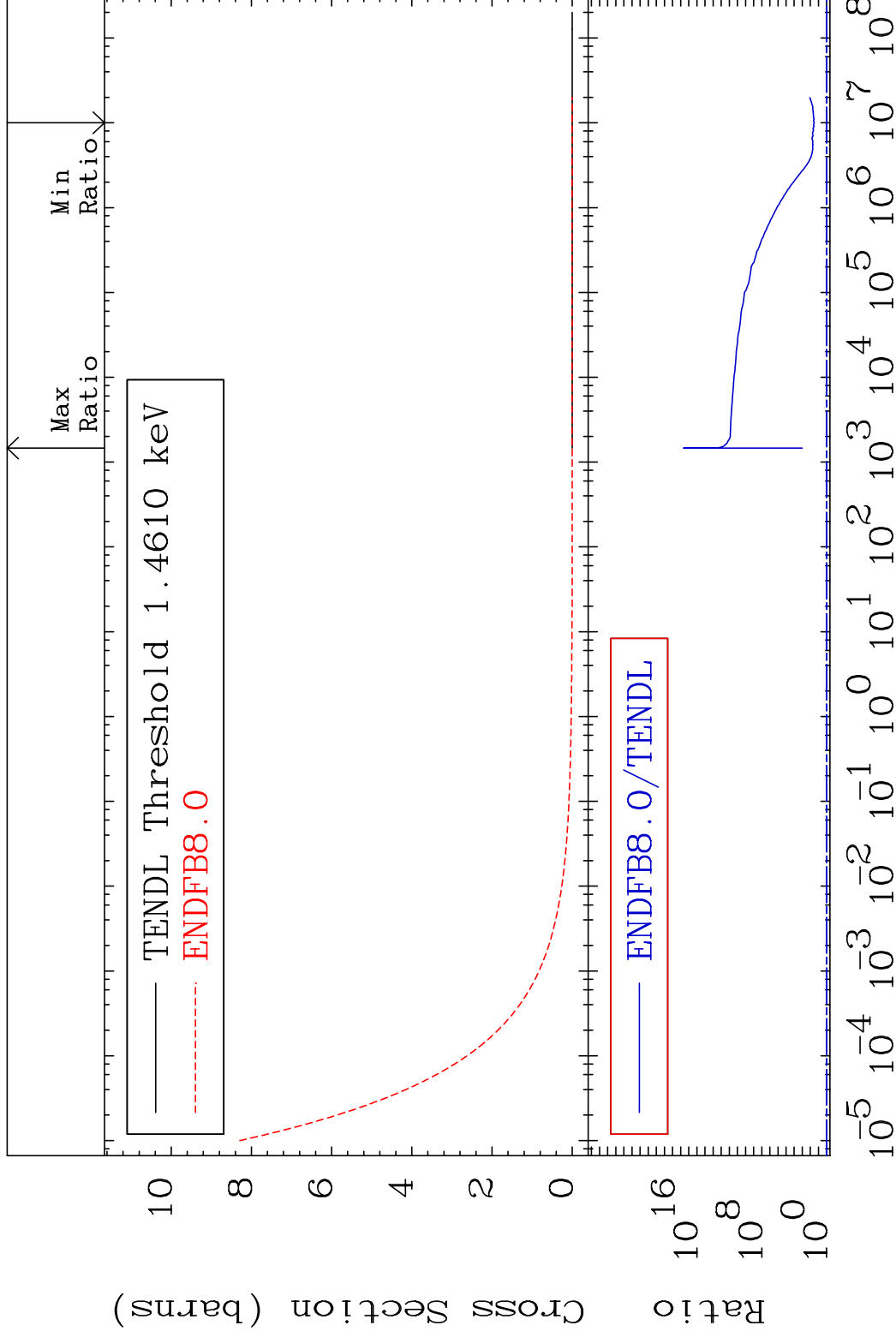
77-Ir-194m

MAT 7735

MT= 53 (n, n') Level

77-Ir-194m

Cross Section 3370. To 9999. %



7

Incident Energy (eV)

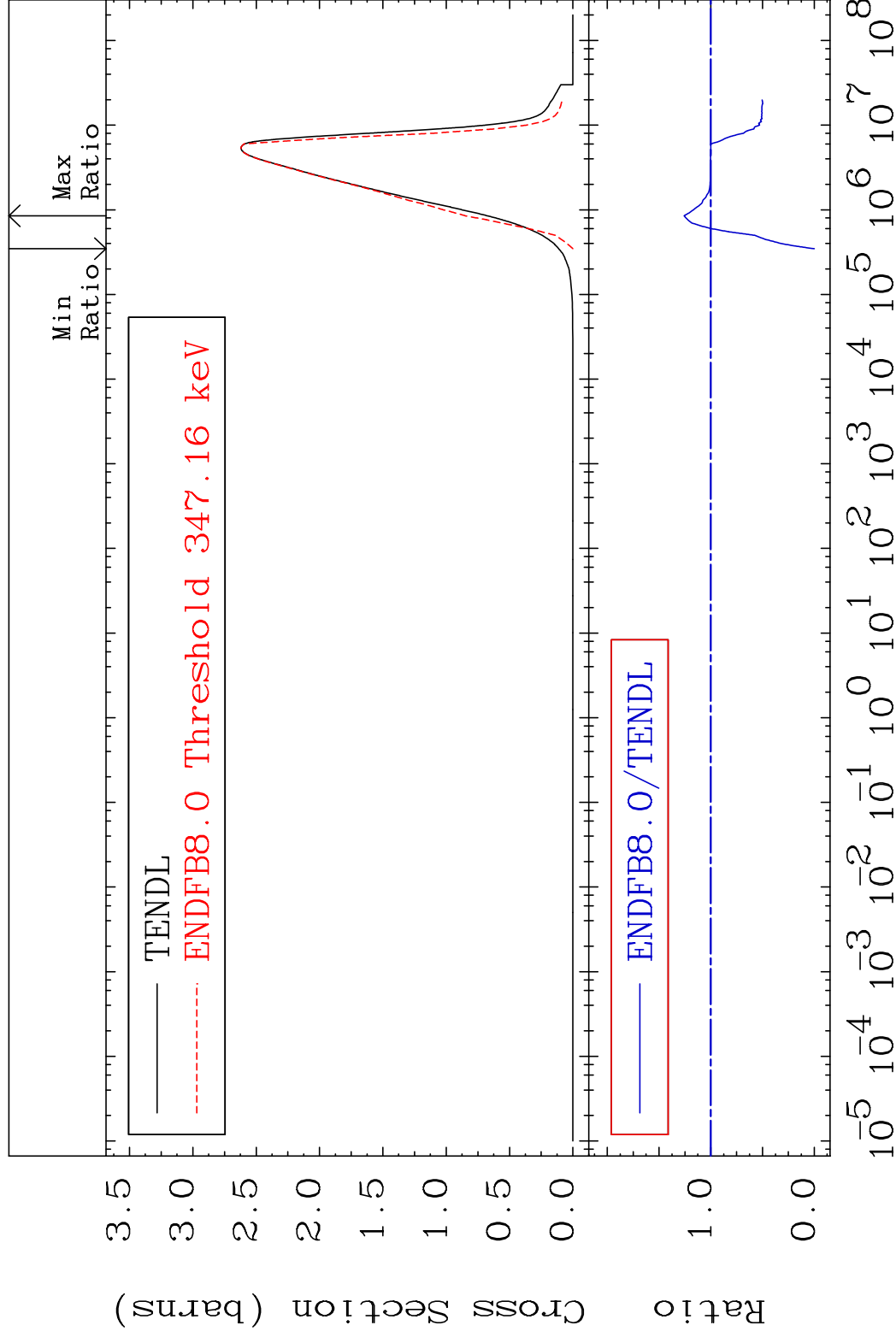
77-Ir-194m

MAT 7735

(n,n') Continuum

77-Ir-194m

Cross Section -100.0 To 25.83 %



8

Incident Energy (eV)

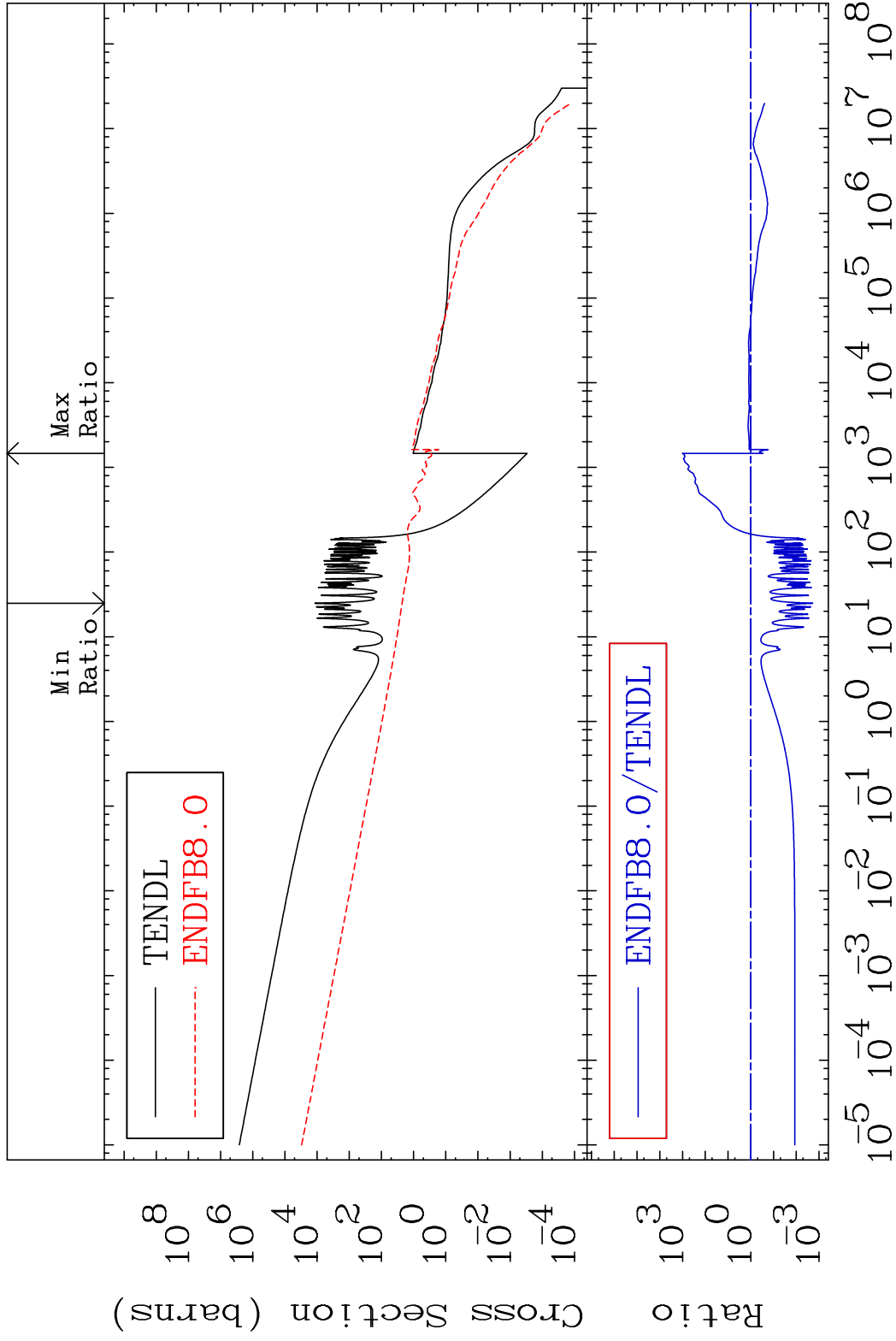
77-Ir-194m

MAT 7735

(n, γ)

77-Ir-194m

Cross Section -99.81 To 9999. %



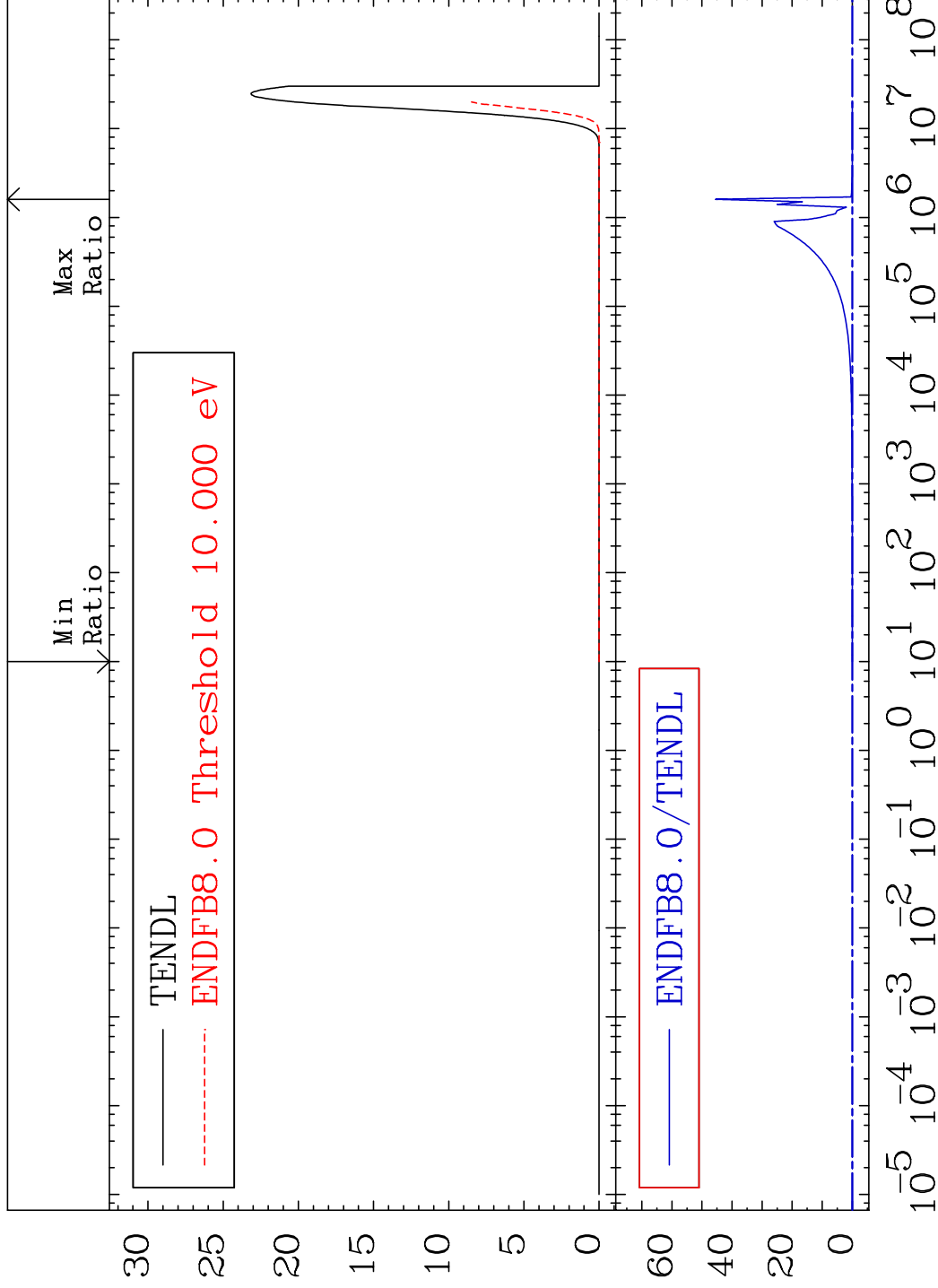
MAT 7735

(n, p)

77-Ir-194m

Cross Section -100.0 To 9999. %

RatioCross Section (milli-barns)



10

Incident Energy (eV)

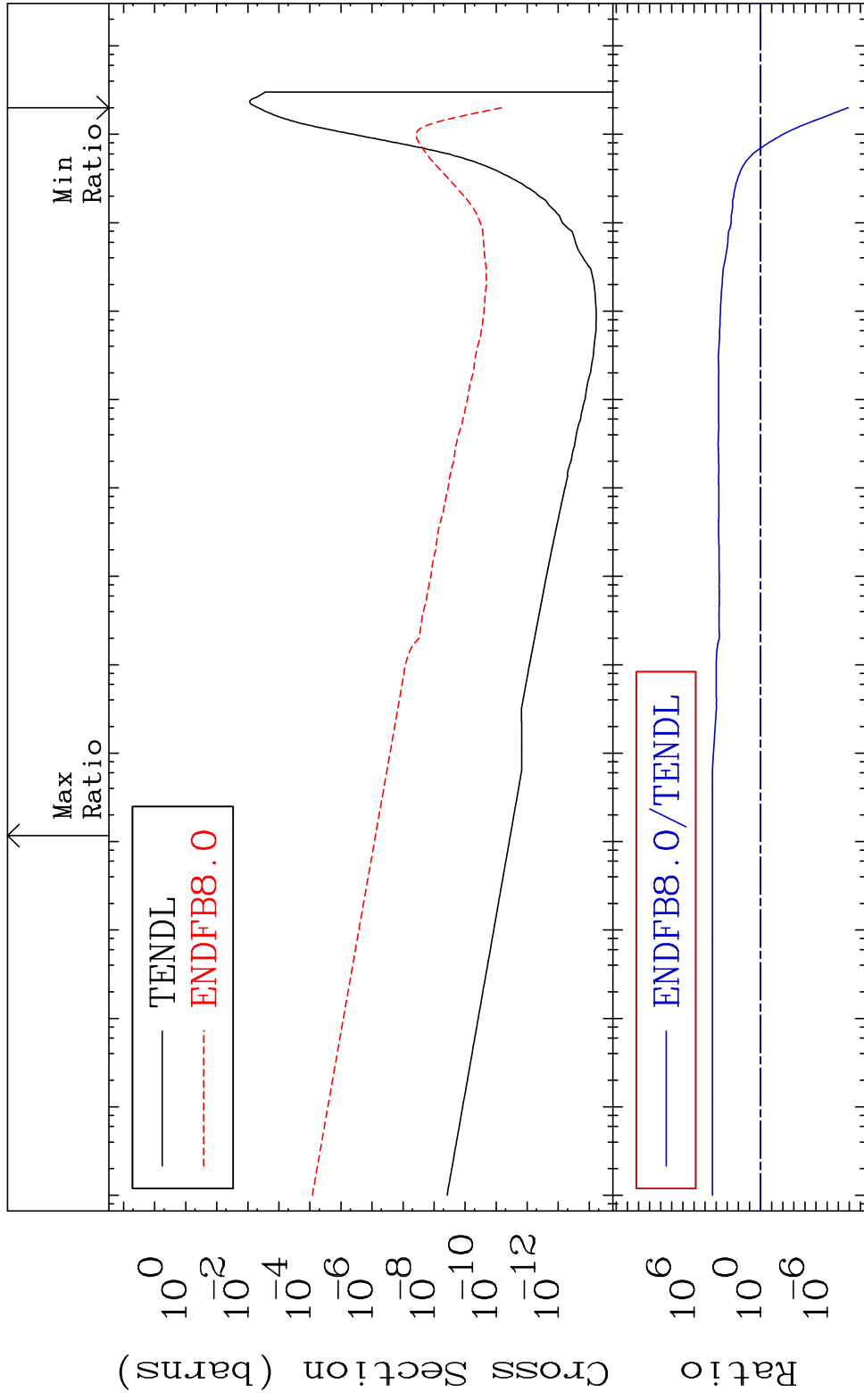
77-Ir-194m

MAT 7735

(n, α)

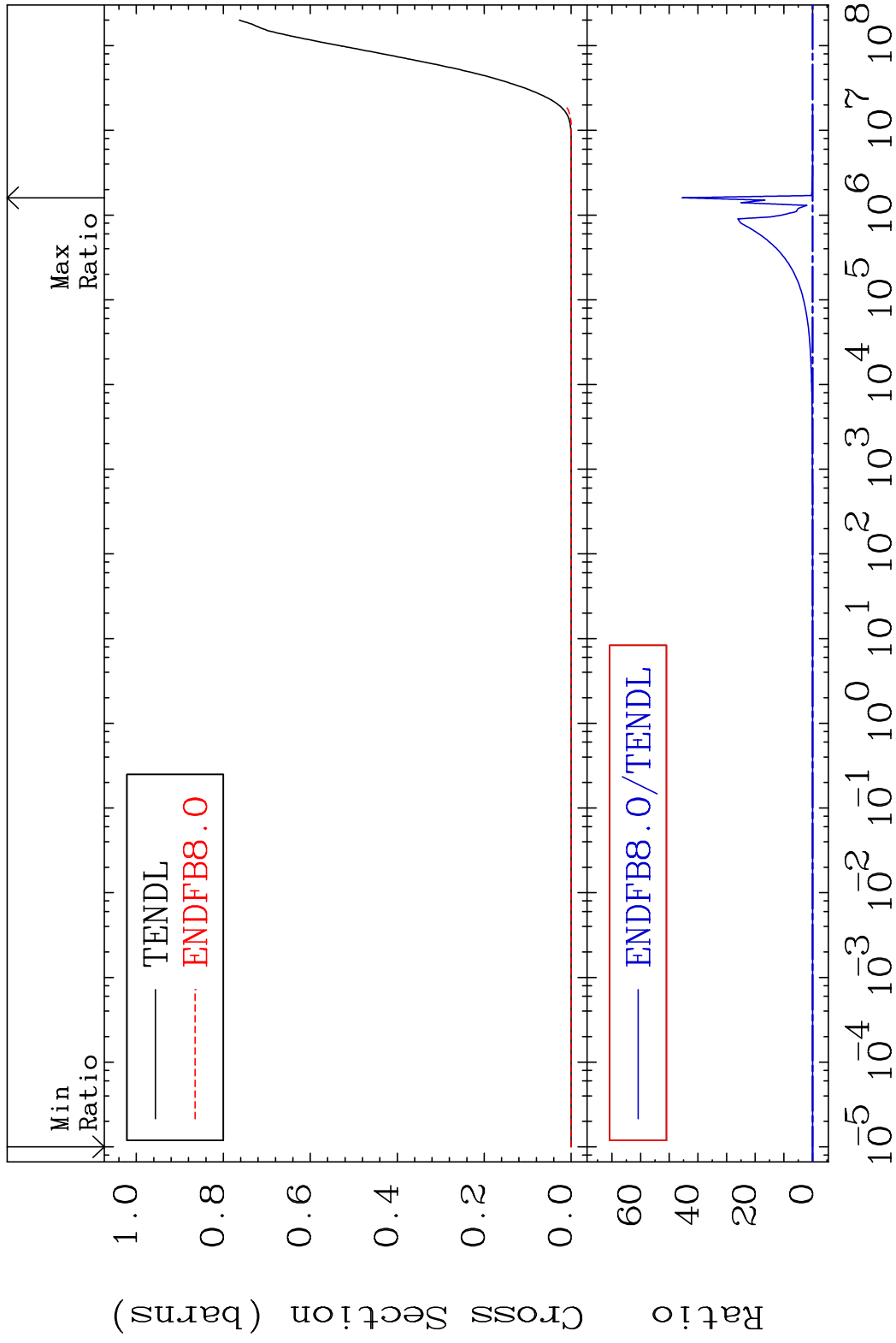
77-Ir-194m

Cross Section -100.0 To 9999. %



MAT 7735

Hydrogen Production 77-Ir-194m
Cross Section -100.0 To 9999. %



12

Incident Energy (eV)

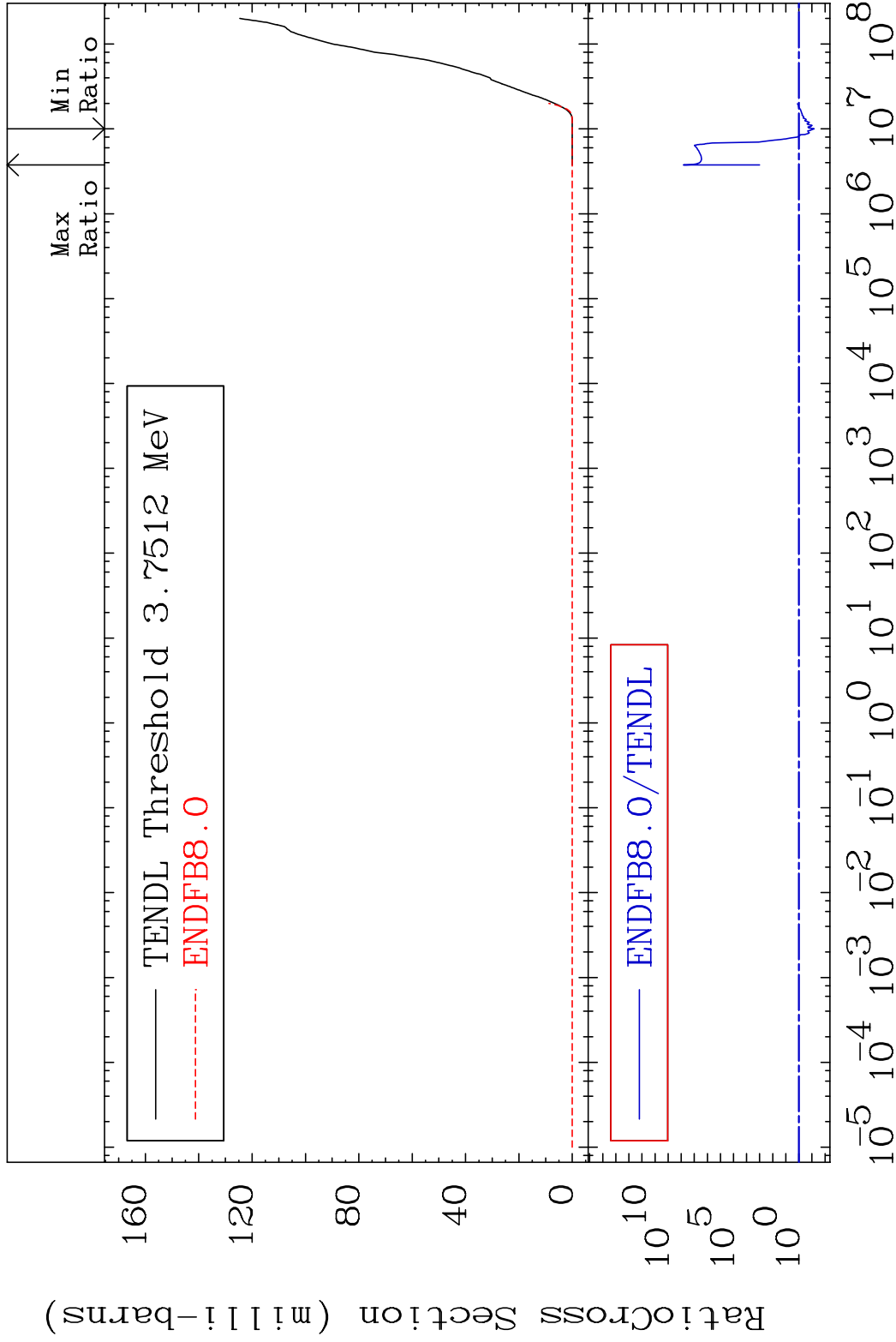
77-Ir-194m

MAT 7735

Deuterium Production

77-Ir-194m

Cross Section -93.16 To 9999. %



13

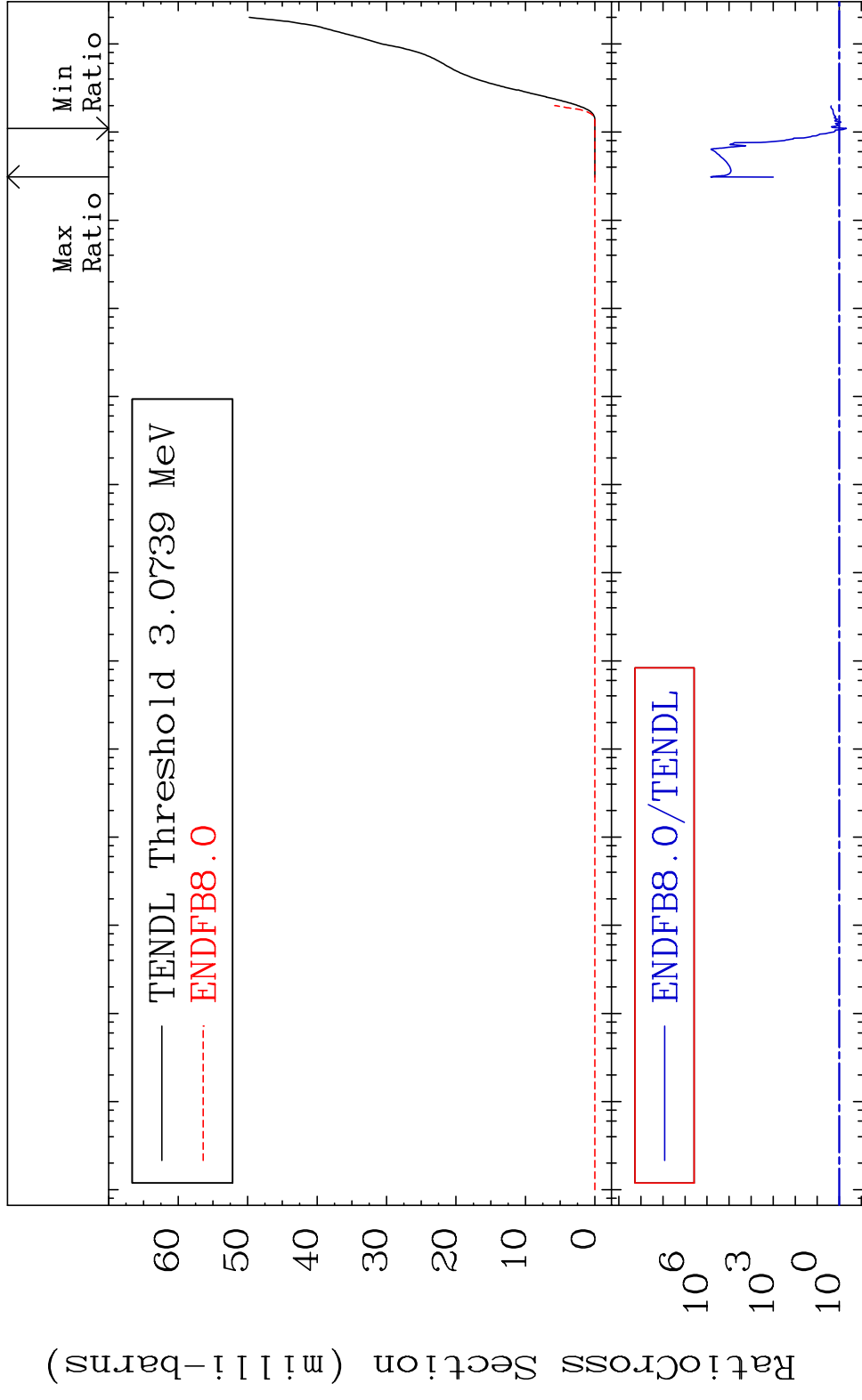
Incident Energy (eV)

77-Ir-194m

MAT 7735

Tritium Production
Cross Section -52.08 To 9999. %

77-Ir-194m

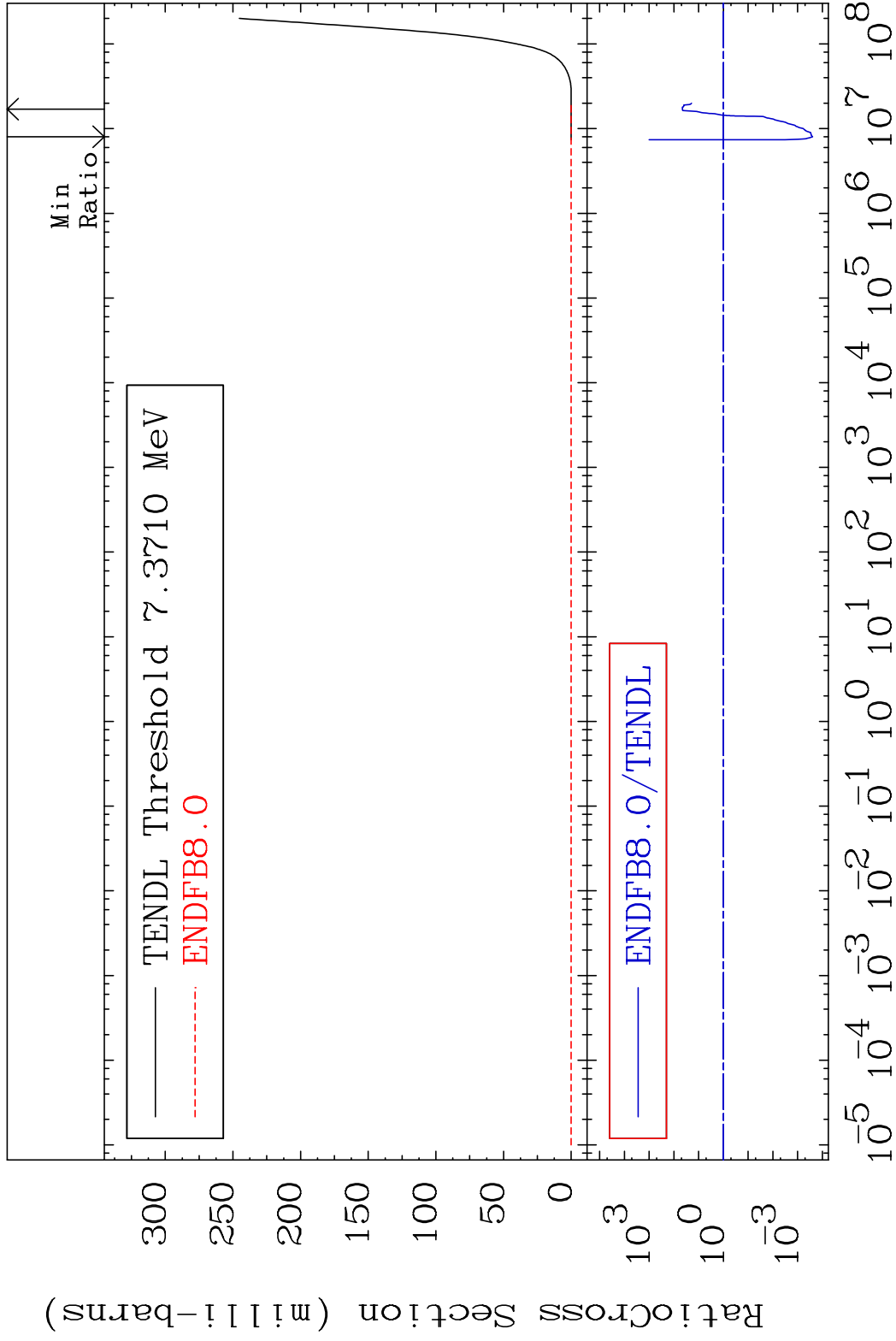


MAT 7735

He-3 Production

77-Ir-194m

Cross Section -99.98 To 4461. %



15

Incident Energy (eV)

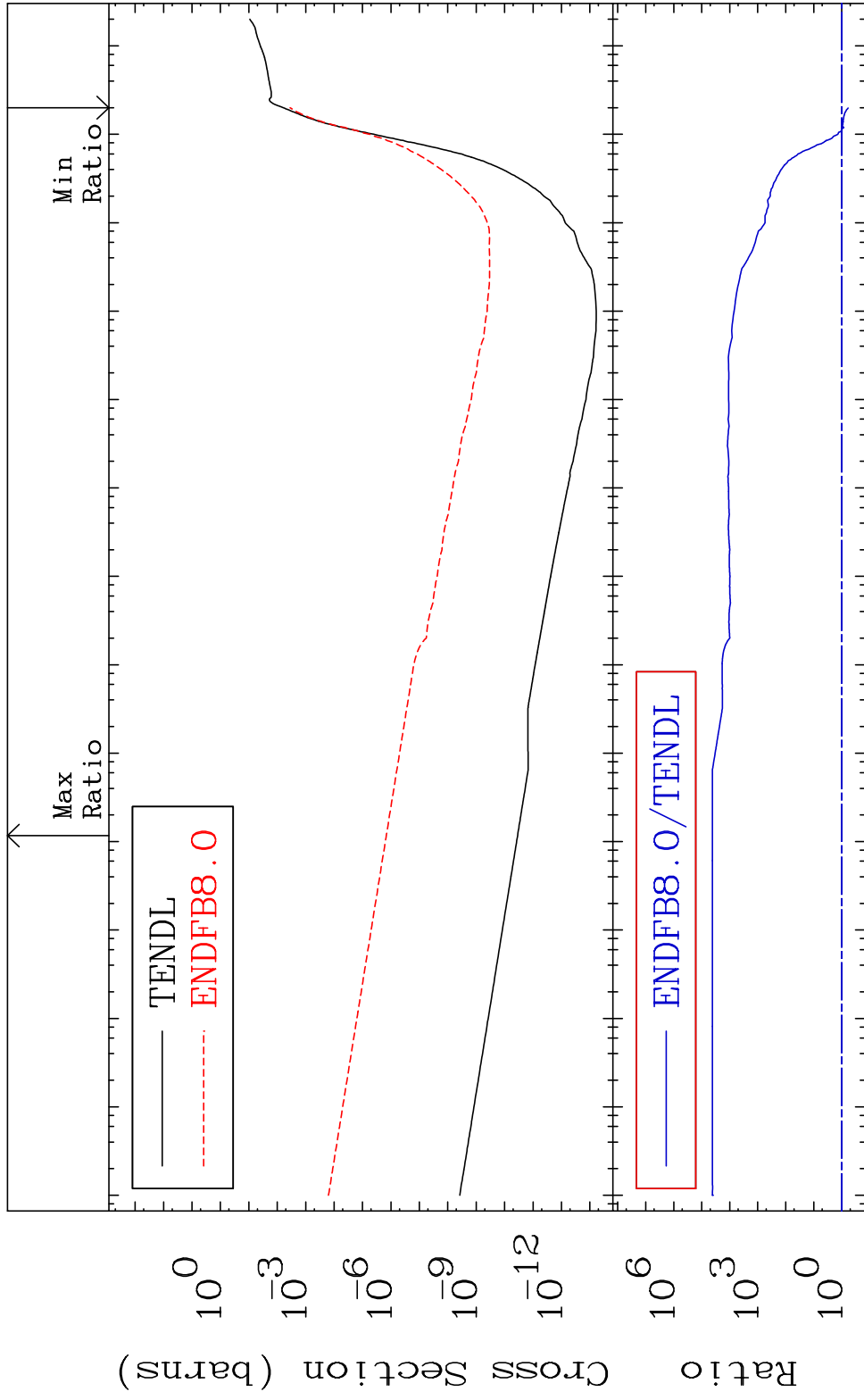
77-Ir-194m

MAT 7735

He-4 Production

77-Ir-194m

Cross Section -41.66 To 9999. %



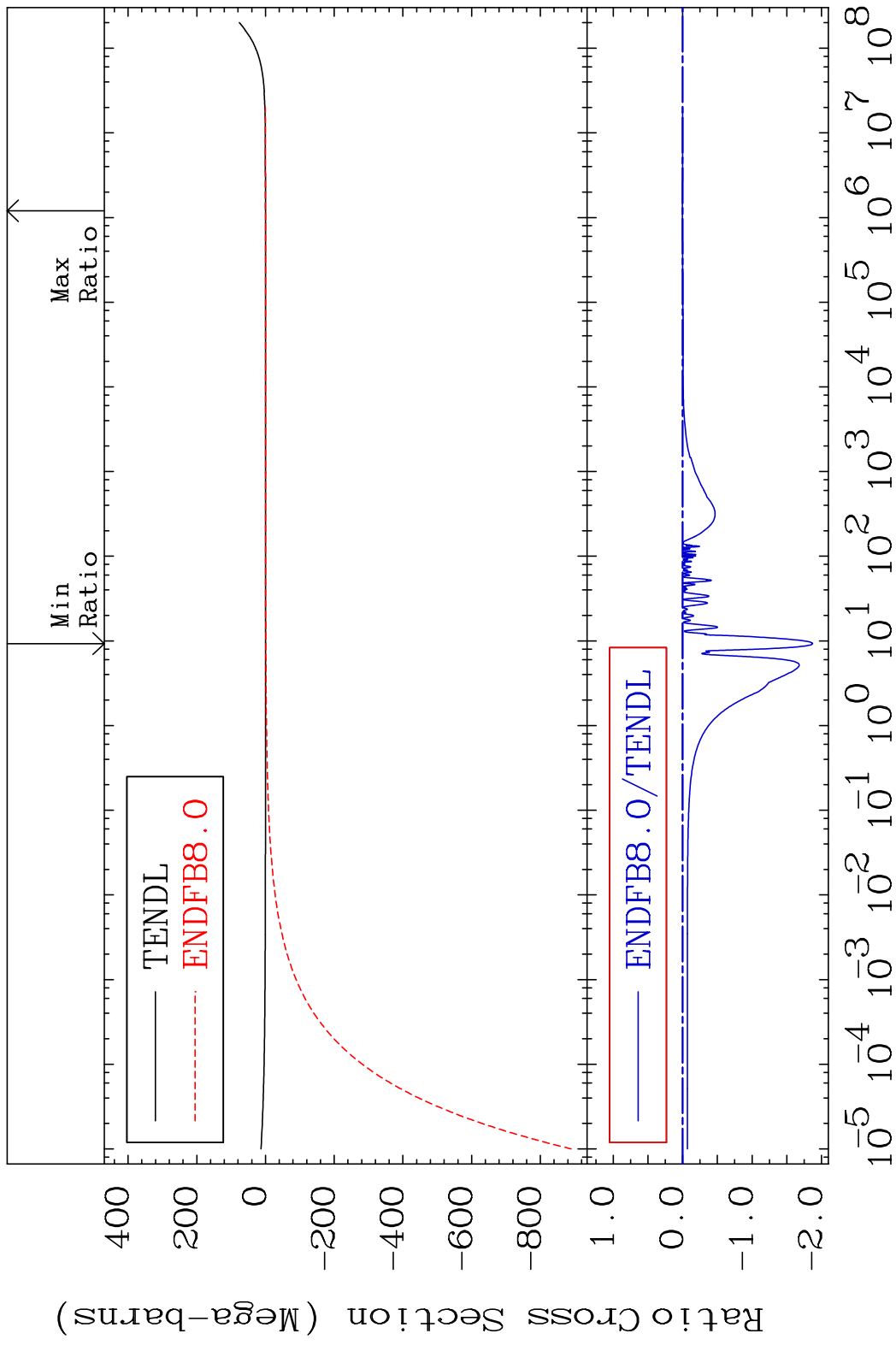
10⁰ 10⁻³ 10⁻⁶ 10⁻⁹ 10⁻¹² 10⁶ 10³ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

16

Incident Energy (eV)

77-Ir-194m

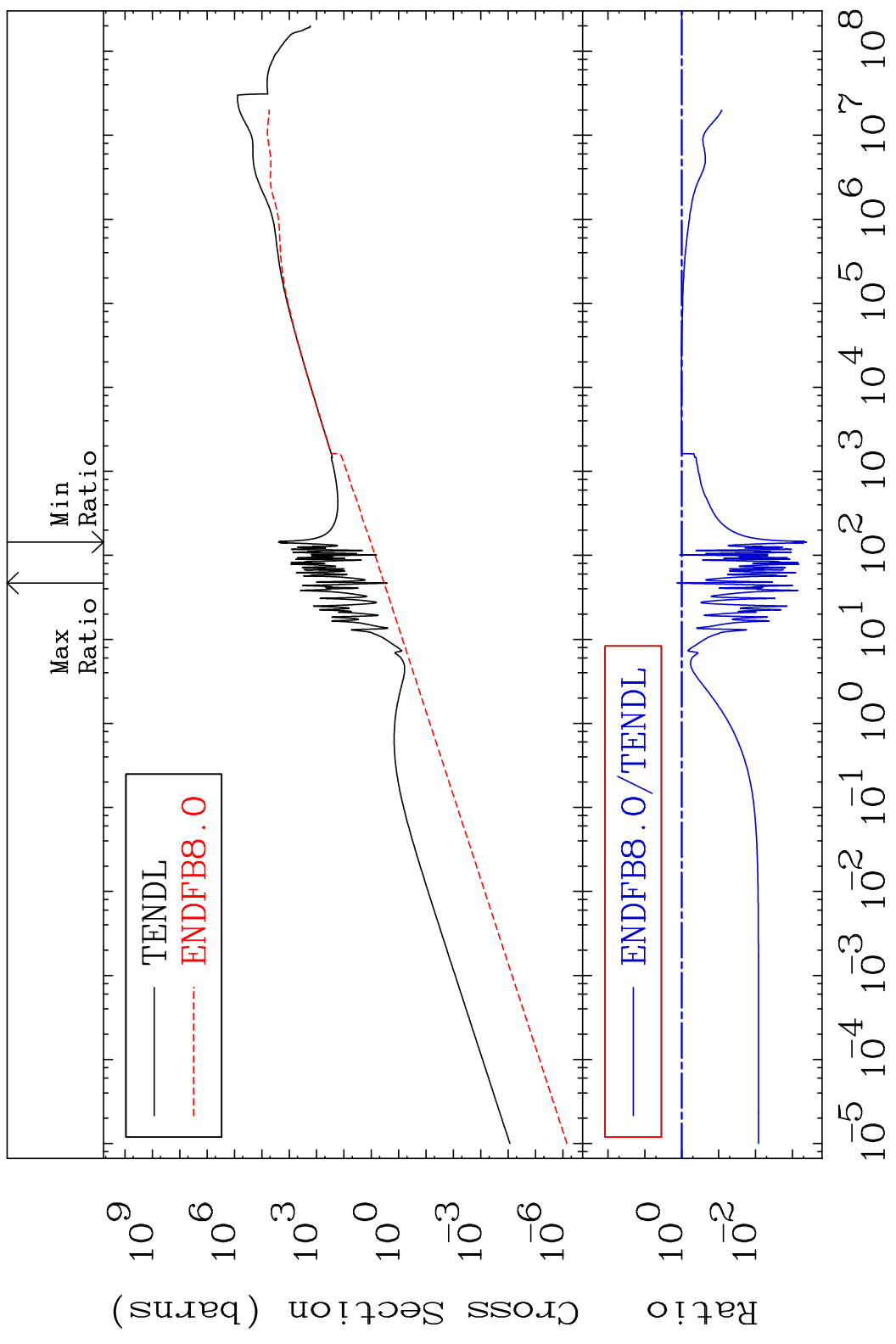
MAT 7735 Kerma total (eV-barns) 77-Ir-194m
Cross Section -9999. To 354.2 %



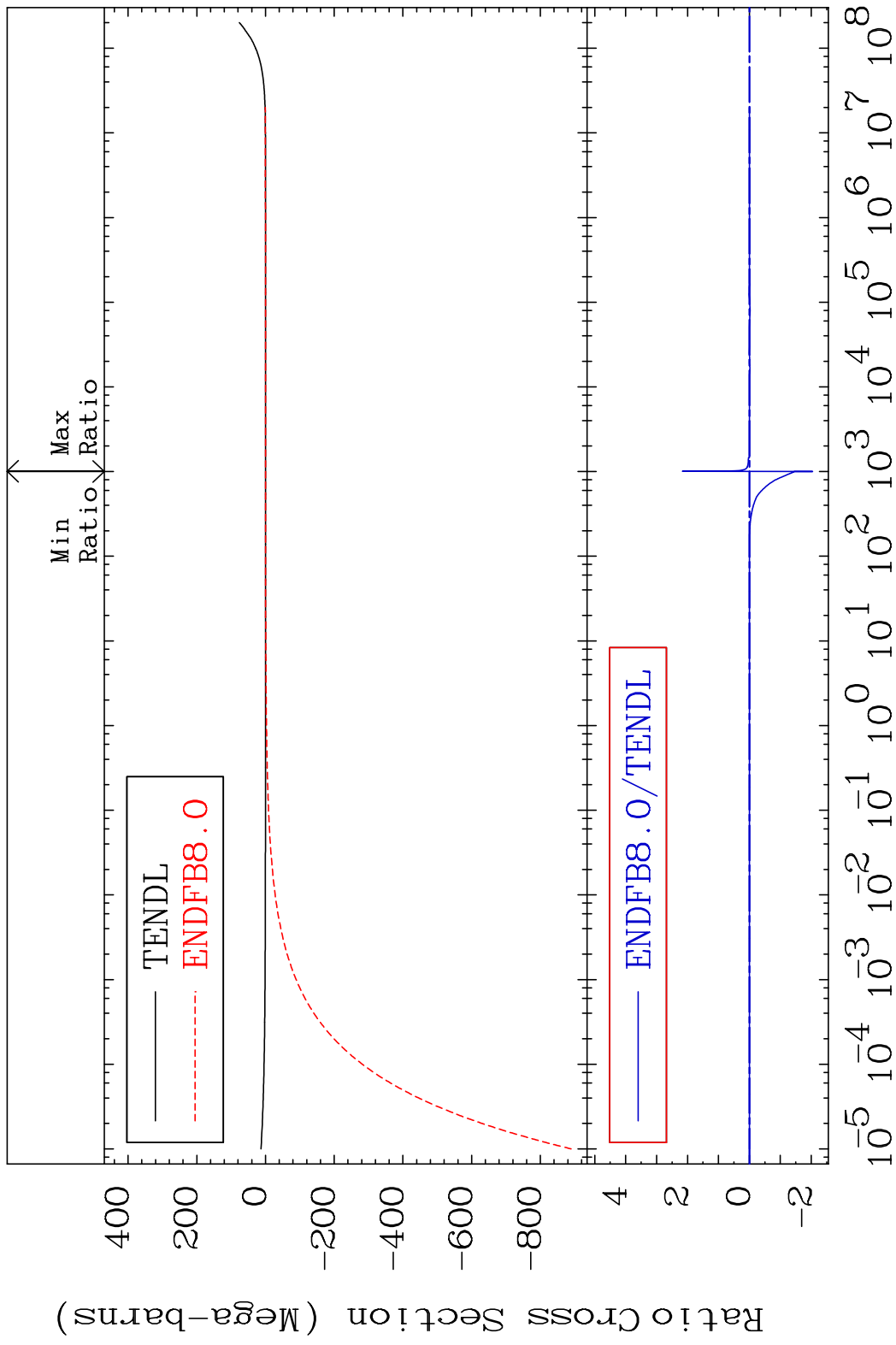
17 Incident Energy (eV) 77-Ir-194m

MAT 7735

Kerma elastic Cross Section -99.96 To 32.72 %
77-Ir-194m

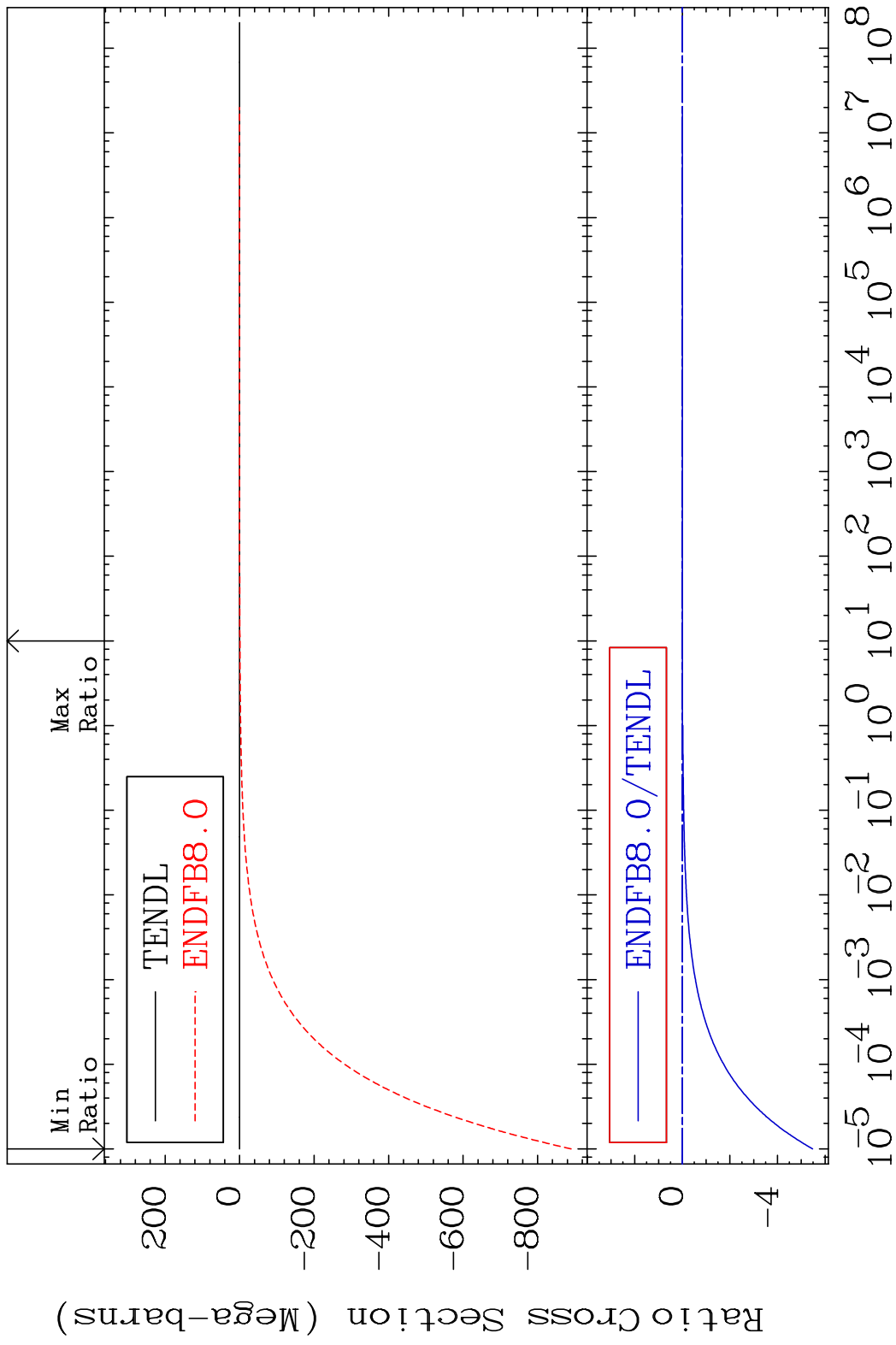


MAT 7735 Kerma non-elastic (all but mt2) 77-Ir-194m
Cross Section -9999. To 9999. %



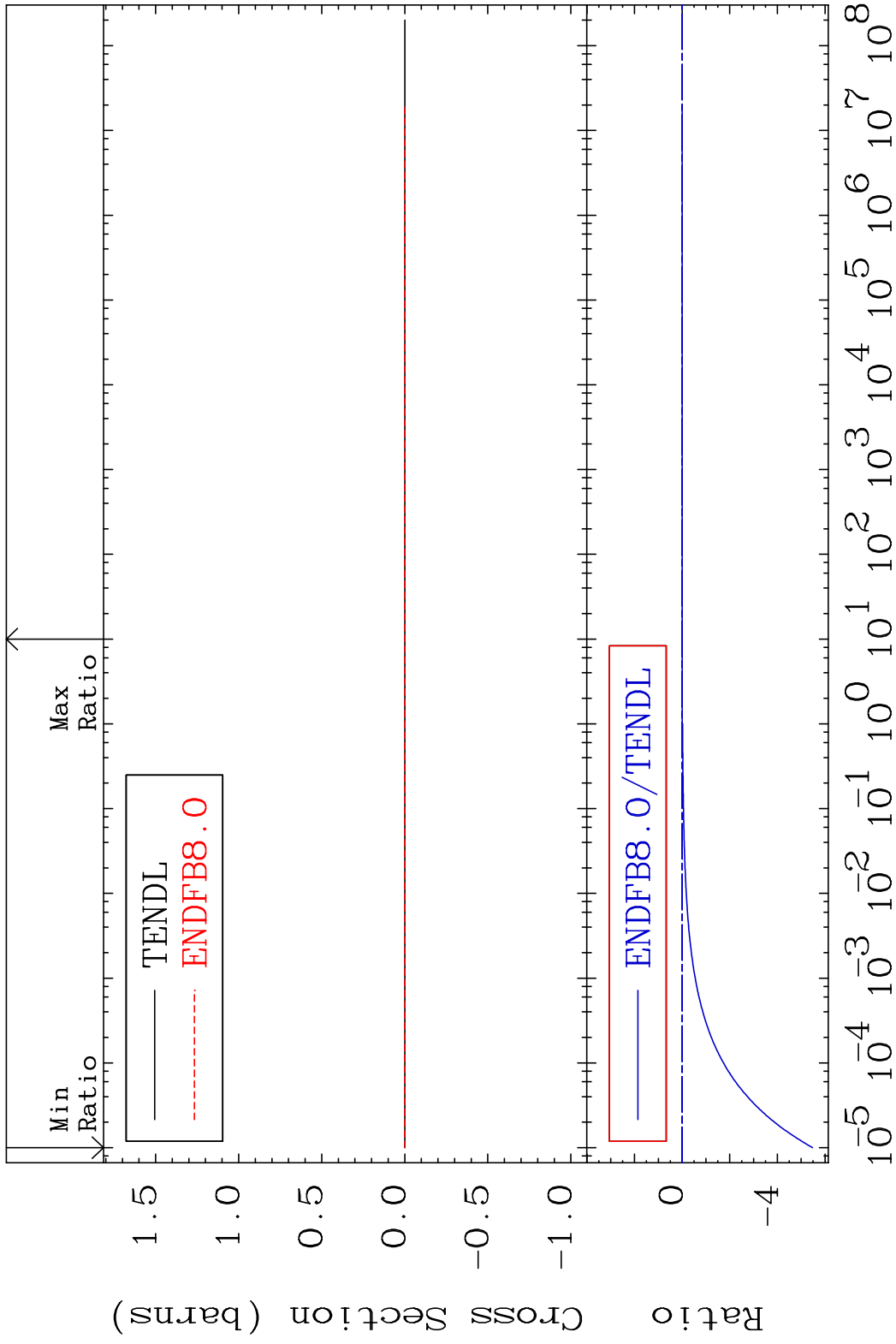
19 77-Ir-194m

MAT 7735 Kerma inelastic (mt51-91) 77-Ir-194m
 Cross Section -9999. To 9999. %



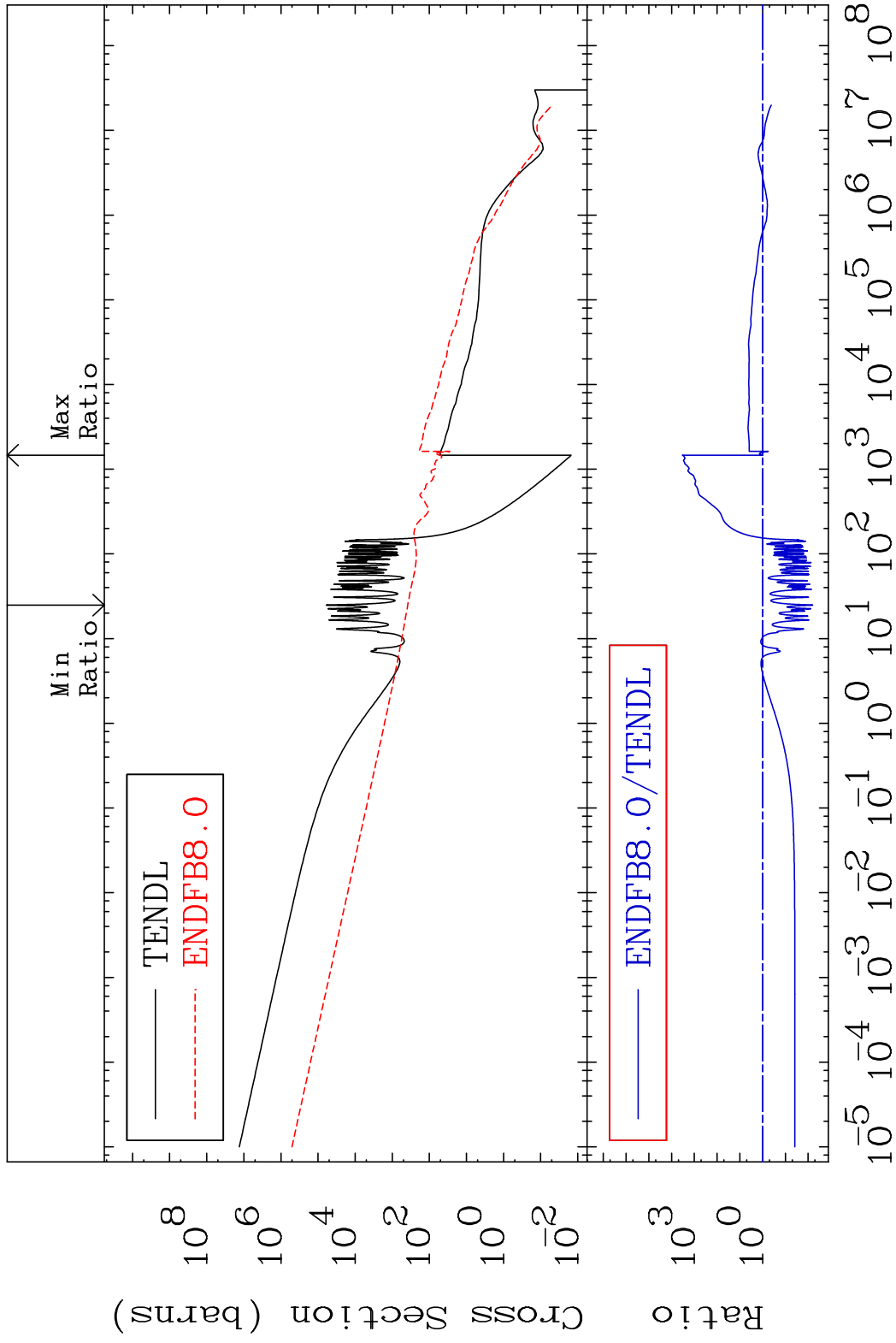
20 Incident Energy (eV) 77-Ir-194m

MAT 7735 Kerma fission (mt18 or mt19-20-21-38) γ -Ir-194m
 Cross Section -9999. To 9999. %



MAT 7735

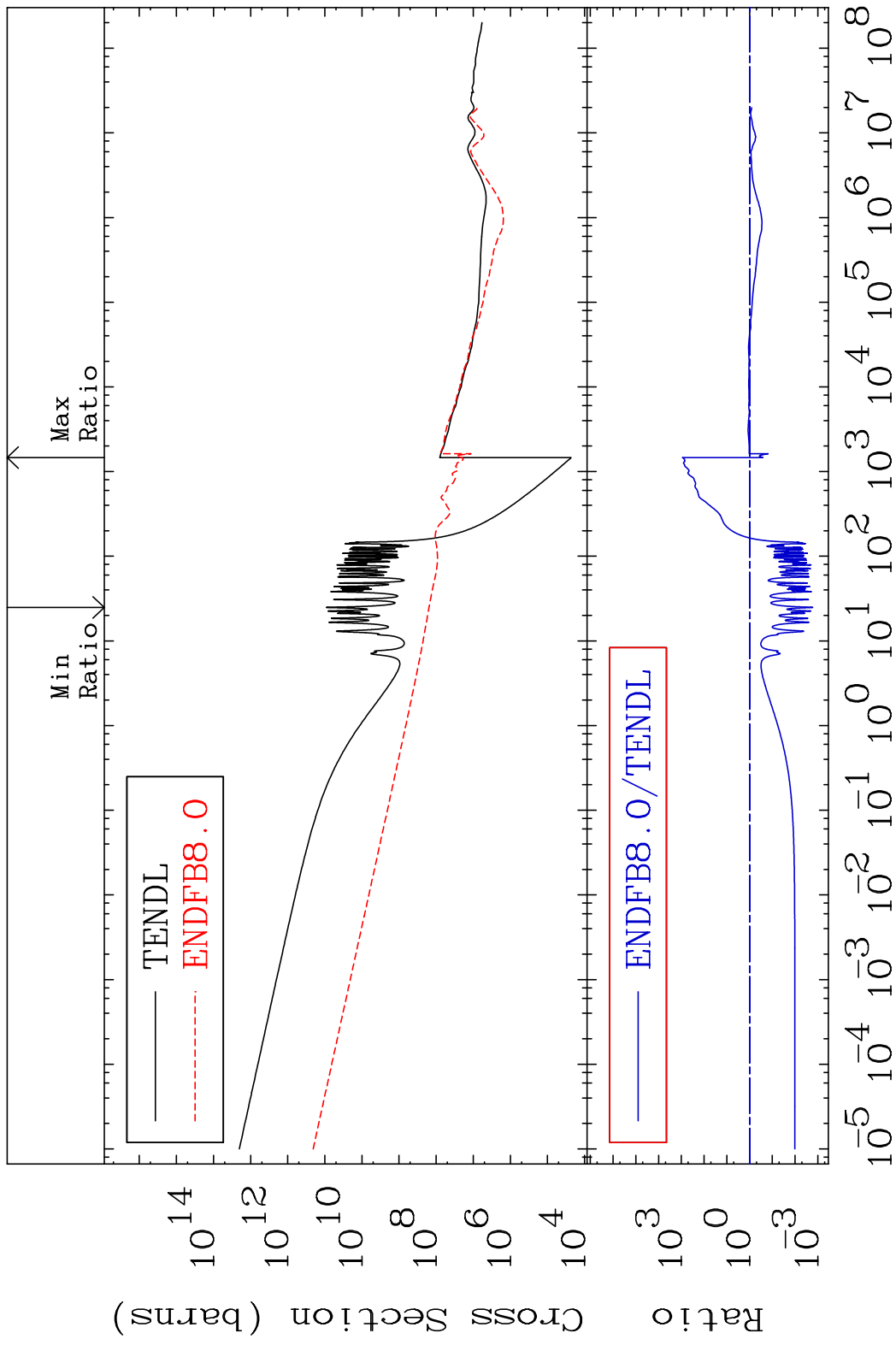
Kerma capture (mt102) 77-Ir-194m
Cross Section -99.36 To 9999. %



22

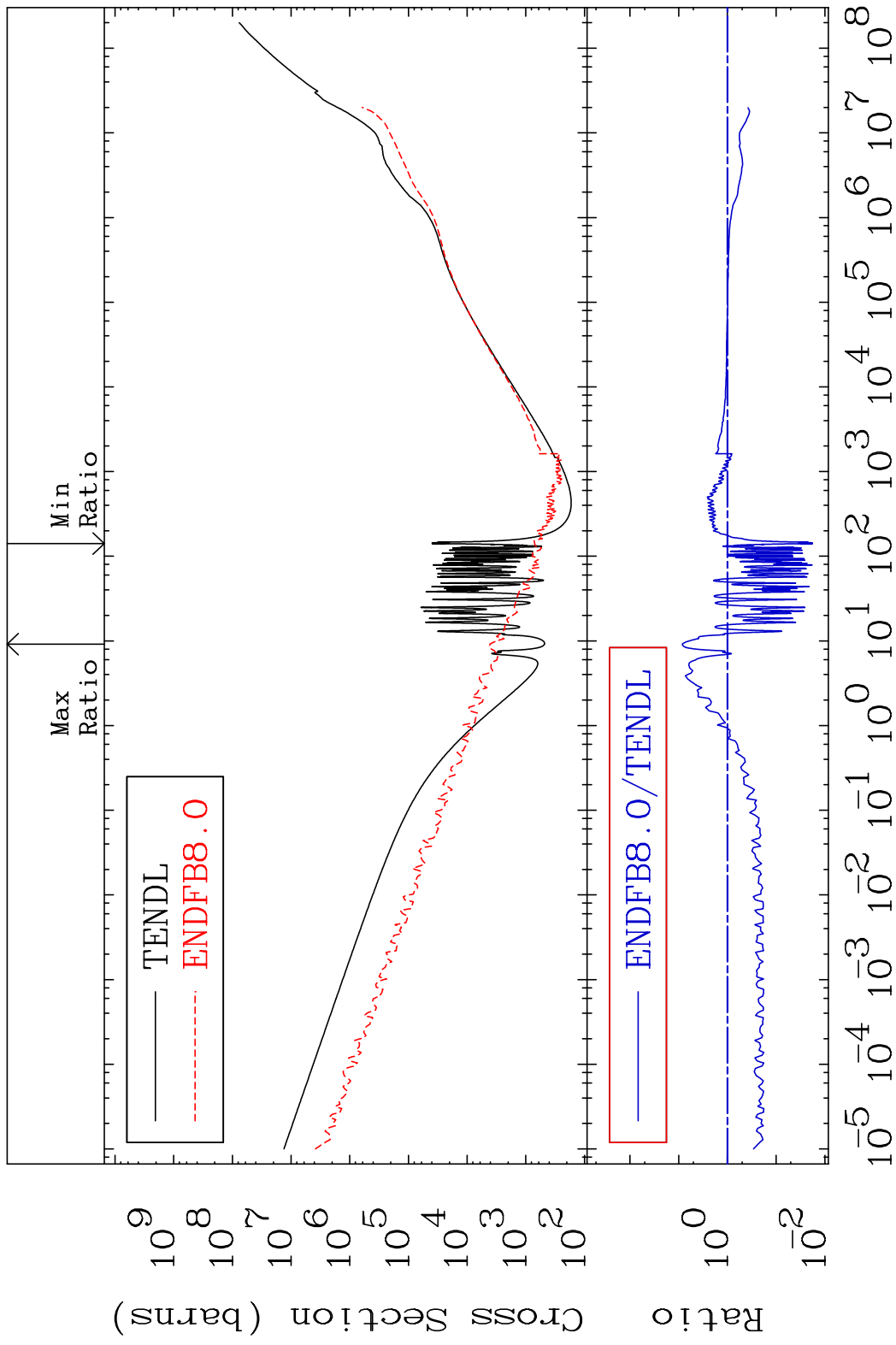
Incident Energy (eV) 77-Ir-194m

MAT 7735 Total photon (eV-barns) 77-Ir-194m
 Cross Section -99.83 To 9999. %

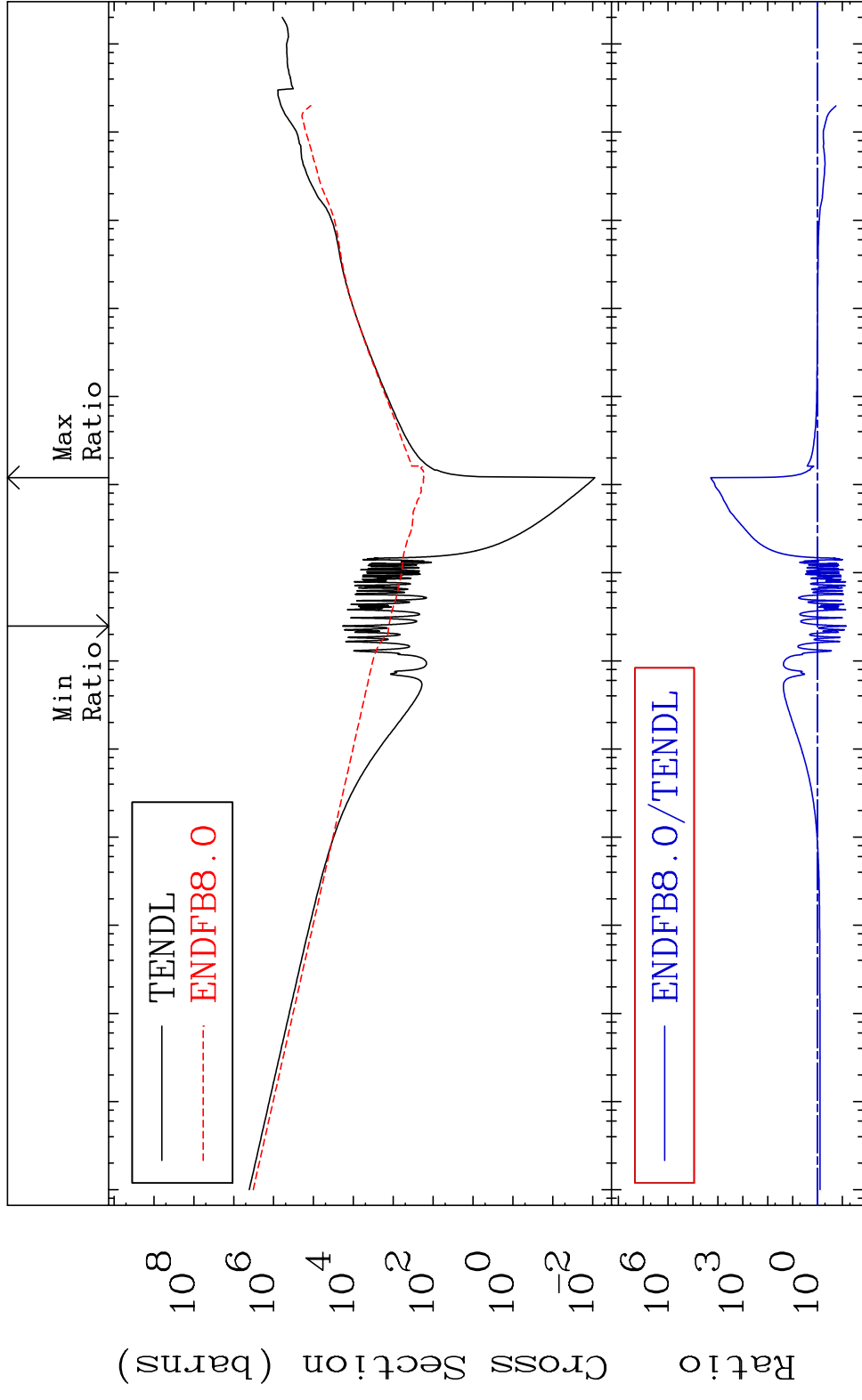


23 Incident Energy (eV) 77-Ir-194m

MAT 7735 Total kinematic kerma (high limit)77-Ir-194m
 Cross Section -98.21 To 742.3 %



MAT 7735 Dpa total (eV-barns) 77-Ir-194m
 Cross Section -93.05 To 9999. %

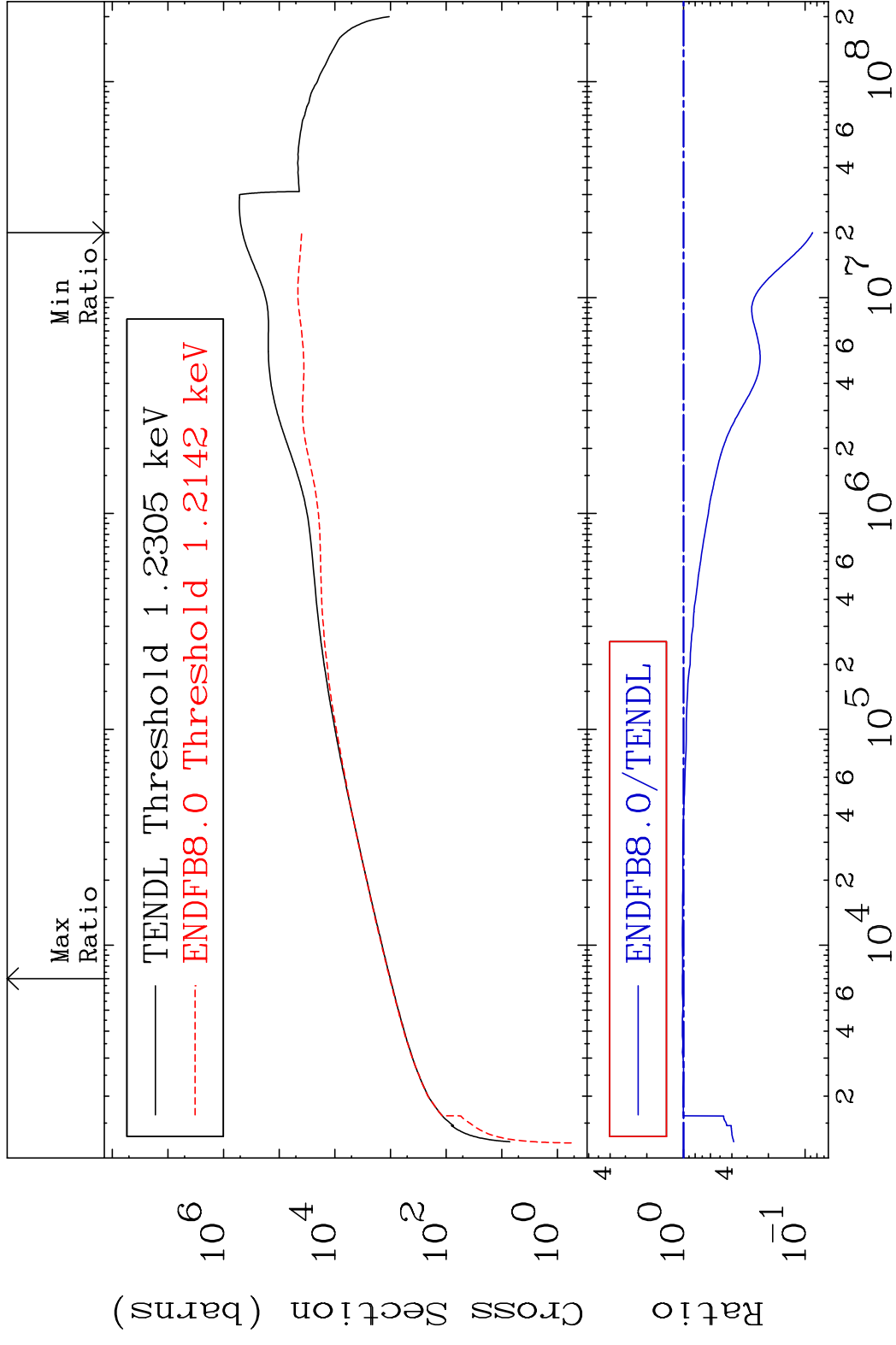


MAT 7735

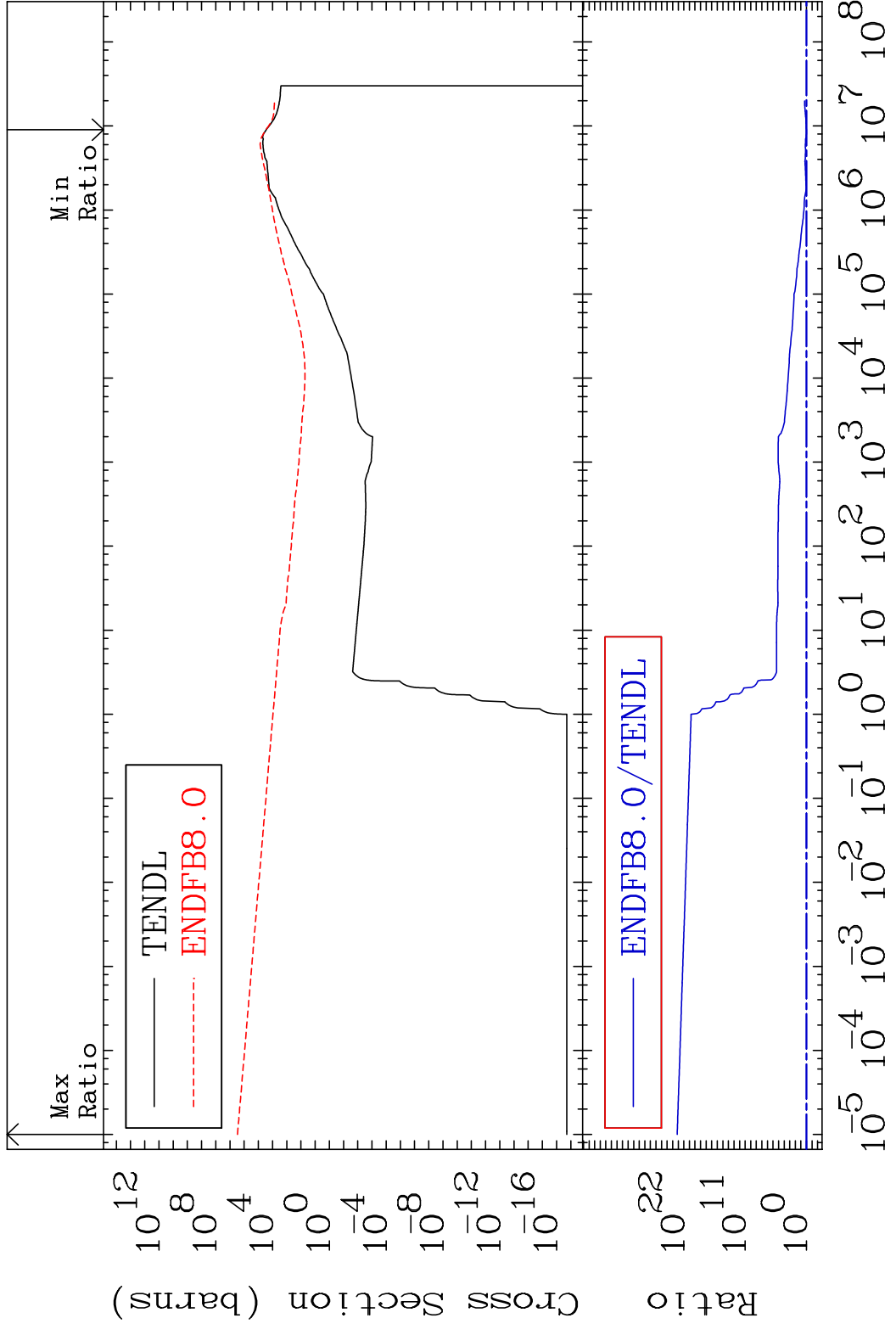
Dpa elastic (mt2)

77-Ir-194m

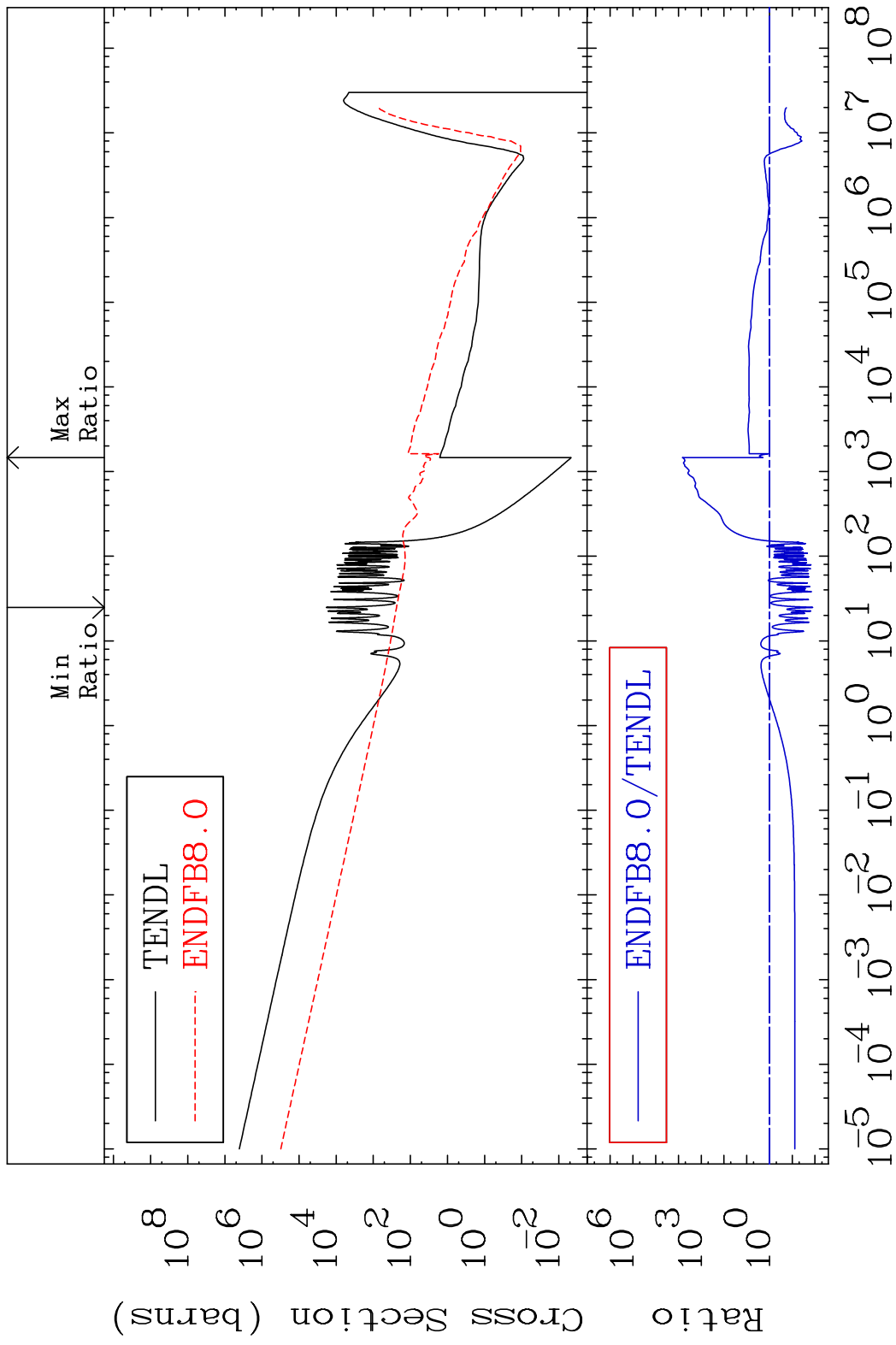
Cross Section -91.32 To 2.064 %



MAT 7735 Dpa inelastic (mt51-91) 77-Ir-194m
 Cross Section 2.611 To 9999. %



MAT 7735 Dpa disappearance (mt102 -120) 77-Ir-194m
 Cross Section -98.72 To 9999. %



MAT 7735 Inelastic:77-Ir-194g 77-Ir-194m
 Radionuclide Production Cross Section 9999. %

