

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

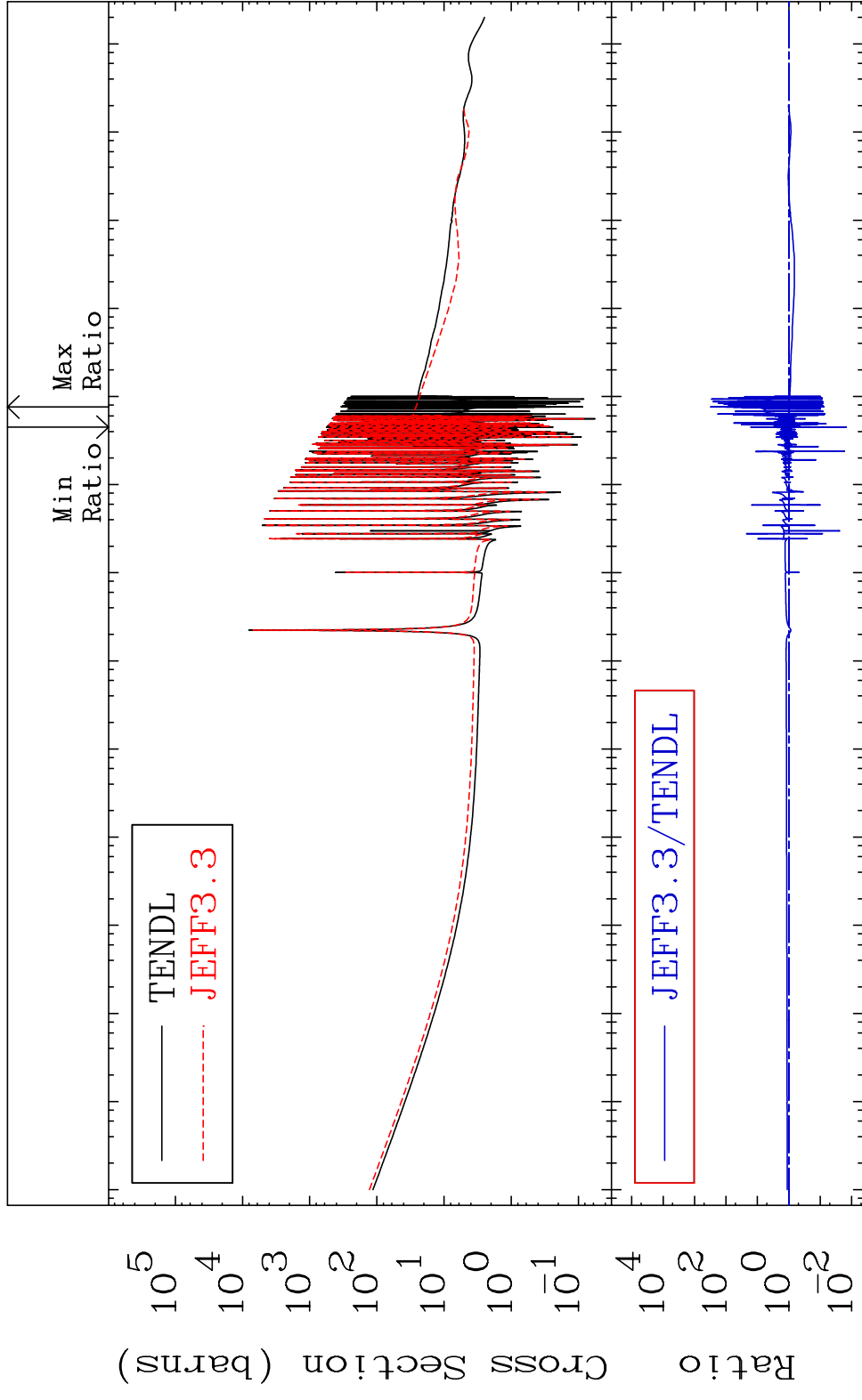
MAT 6443

Total

64-Gd-158

Cross Section

-98.52 To 9999. %



10⁵ 10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵ Incident Energy (eV)

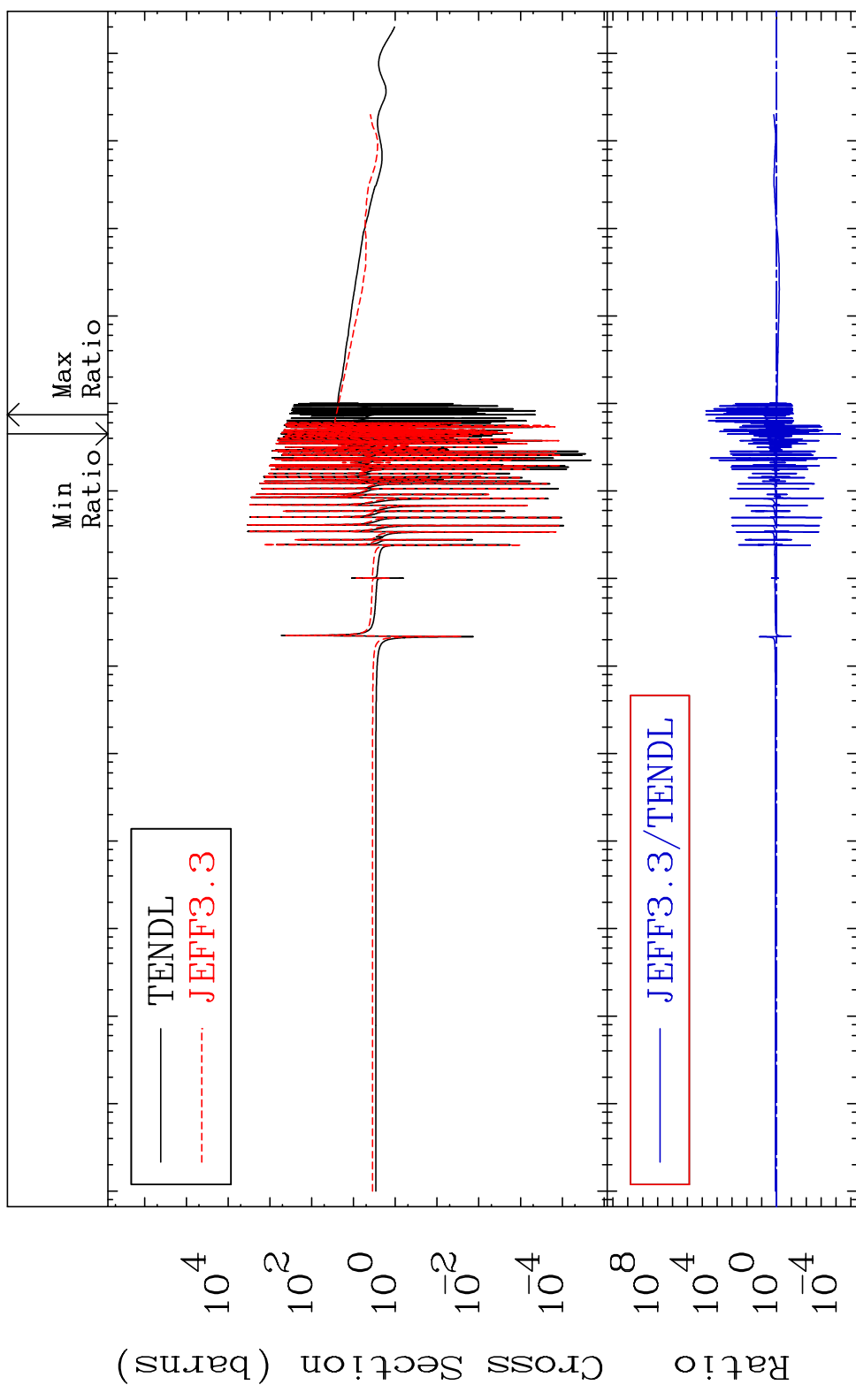
1

Incident Energy (eV)

64-Gd-158

MAT 6443

Elastic Cross Section -99.99 To 9999. %
64-Gd-158



Ratio
Cross Section (barns)
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁸
10⁴
10⁰
10⁻⁴
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

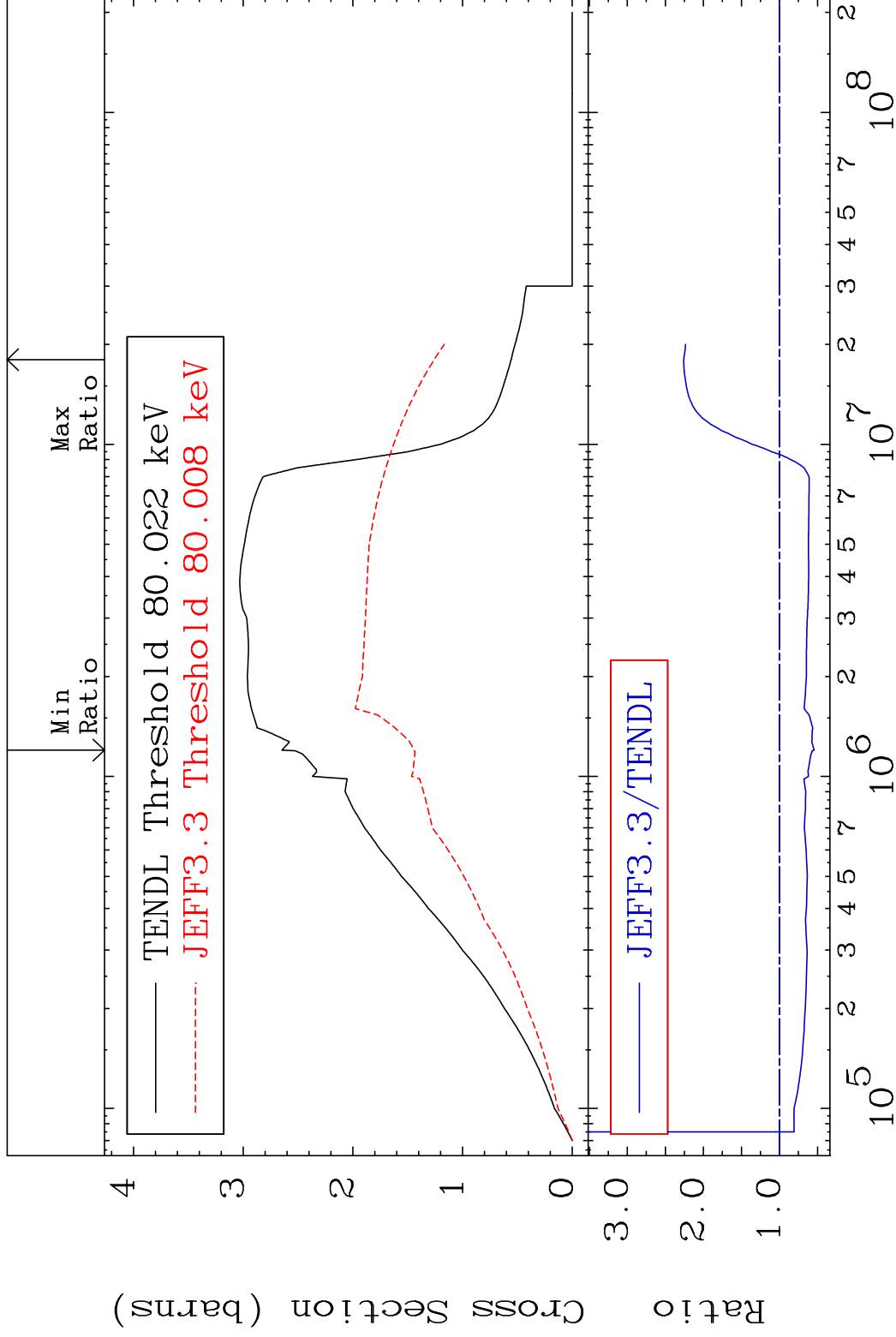
2 Incident Energy (eV) 64-Gd-158

MAT 6443

Inelastic

64-Gd-158

Cross Section -45.56 To 125.9 %

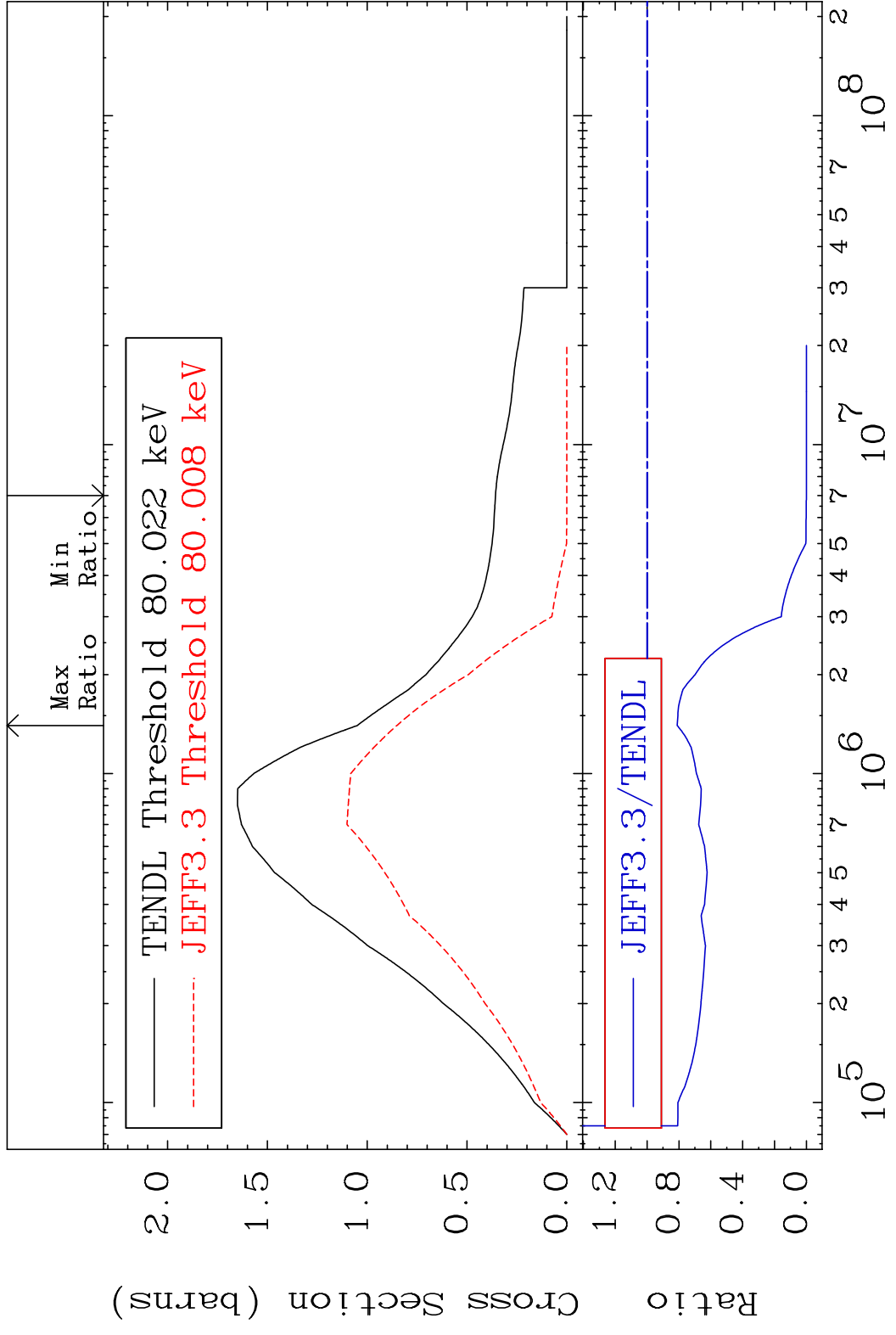


3

Incident Energy (eV)

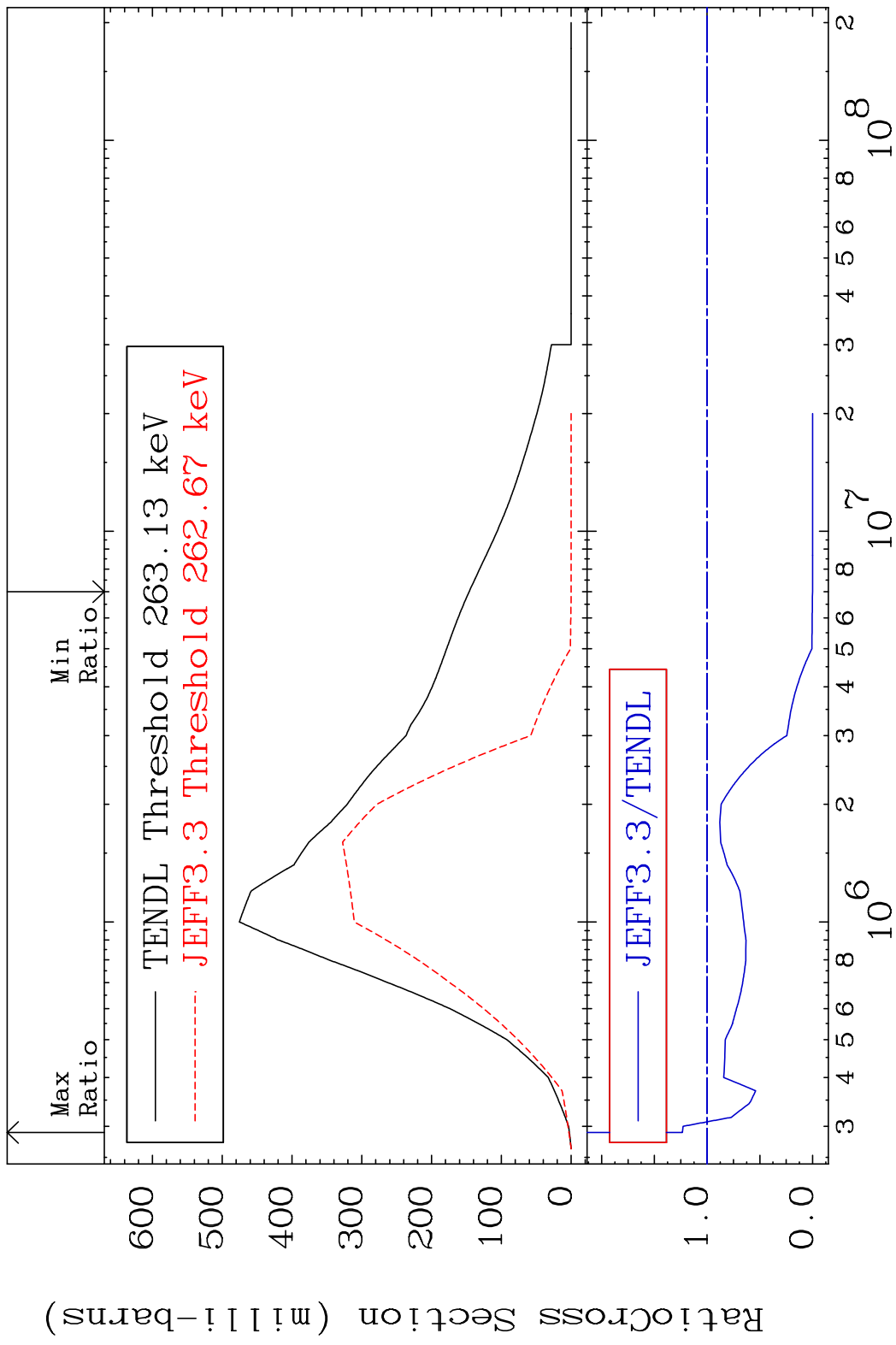
64-Gd-158

MAT 6443 MT= 51 (n, n') Level 64-Gd-158
 Cross Section -100.0 To -18.90%

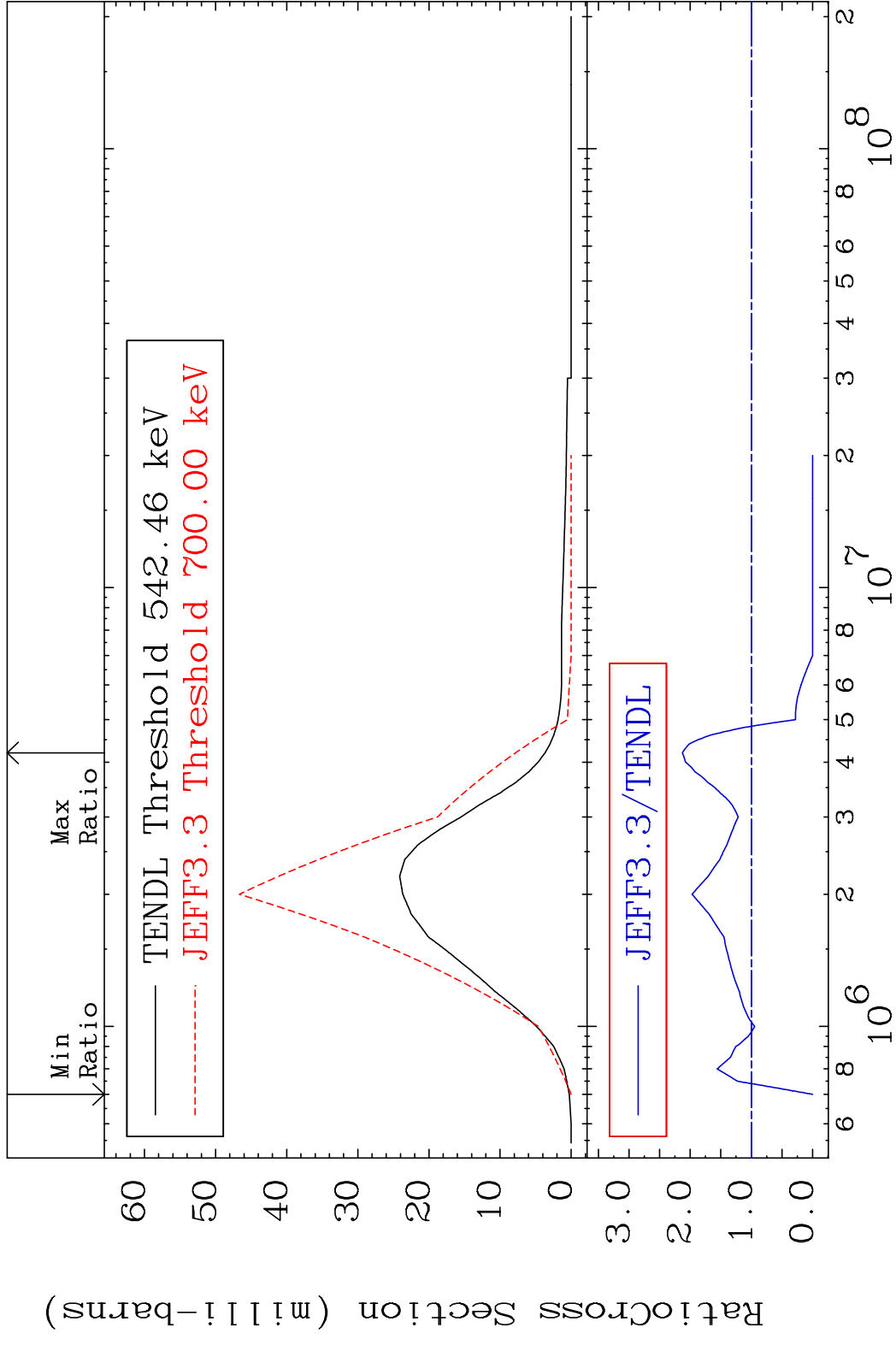


4 Incident Energy (eV) 64-Gd-158

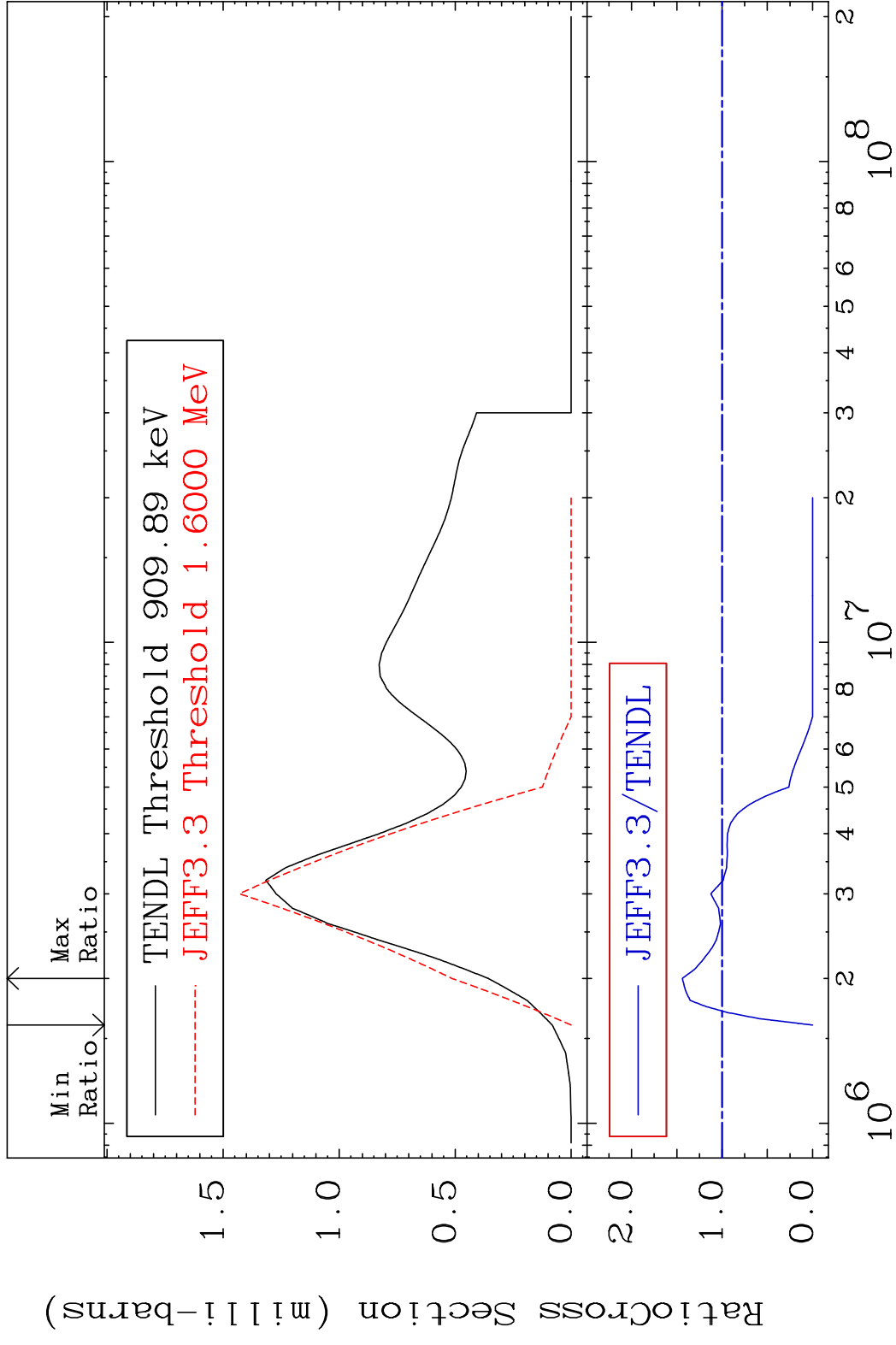
MAT 6443 MT= 52 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 23.48 %



MAT 6443 MT= 53 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 112.8 %



MAT 6443 MT= 54 (n,n') Level 64-Gd-158
 Cross Section -100.0 To 43.89 %



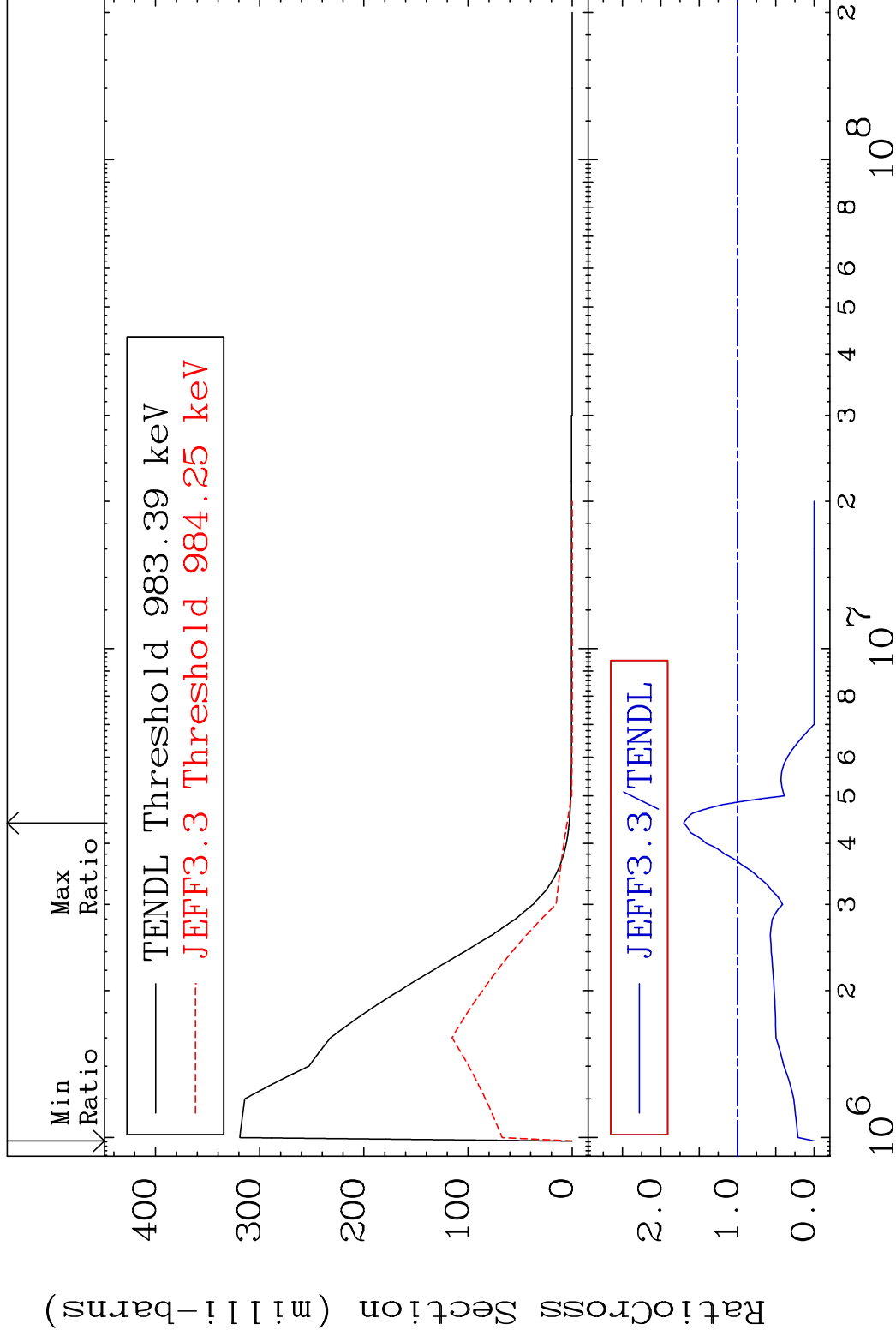
7 Incident Energy (eV) 64-Gd-158

MAT 6443

MT= 55 (n,n') Level

64-Gd-158

Cross Section -100.0 To 70.19 %

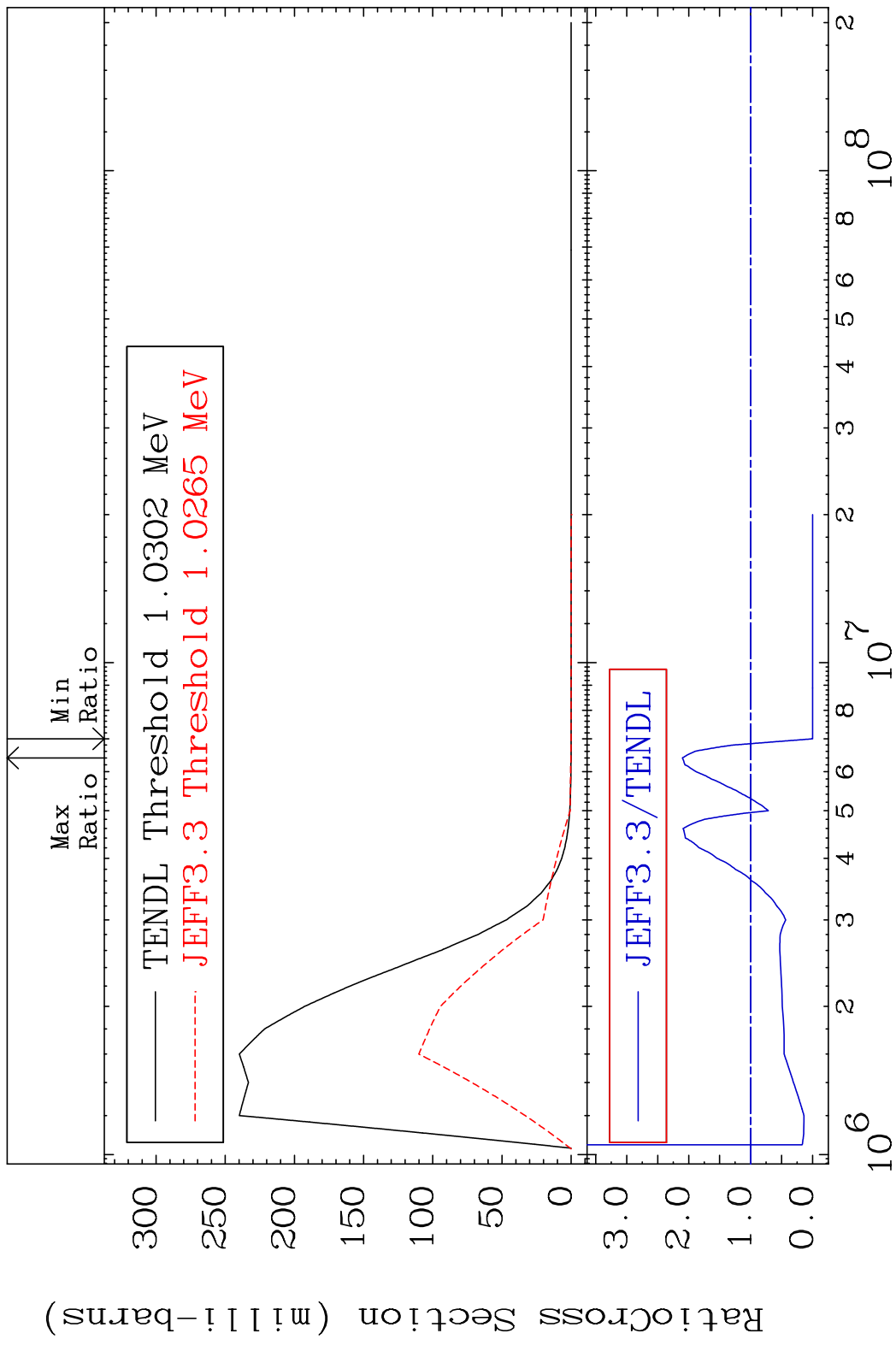


8

Incident Energy (eV)

64-Gd-158

MAT 6443 MT= 56 (n,n') Level 64-Gd-158
 Cross Section -100.0 To 110.2 %



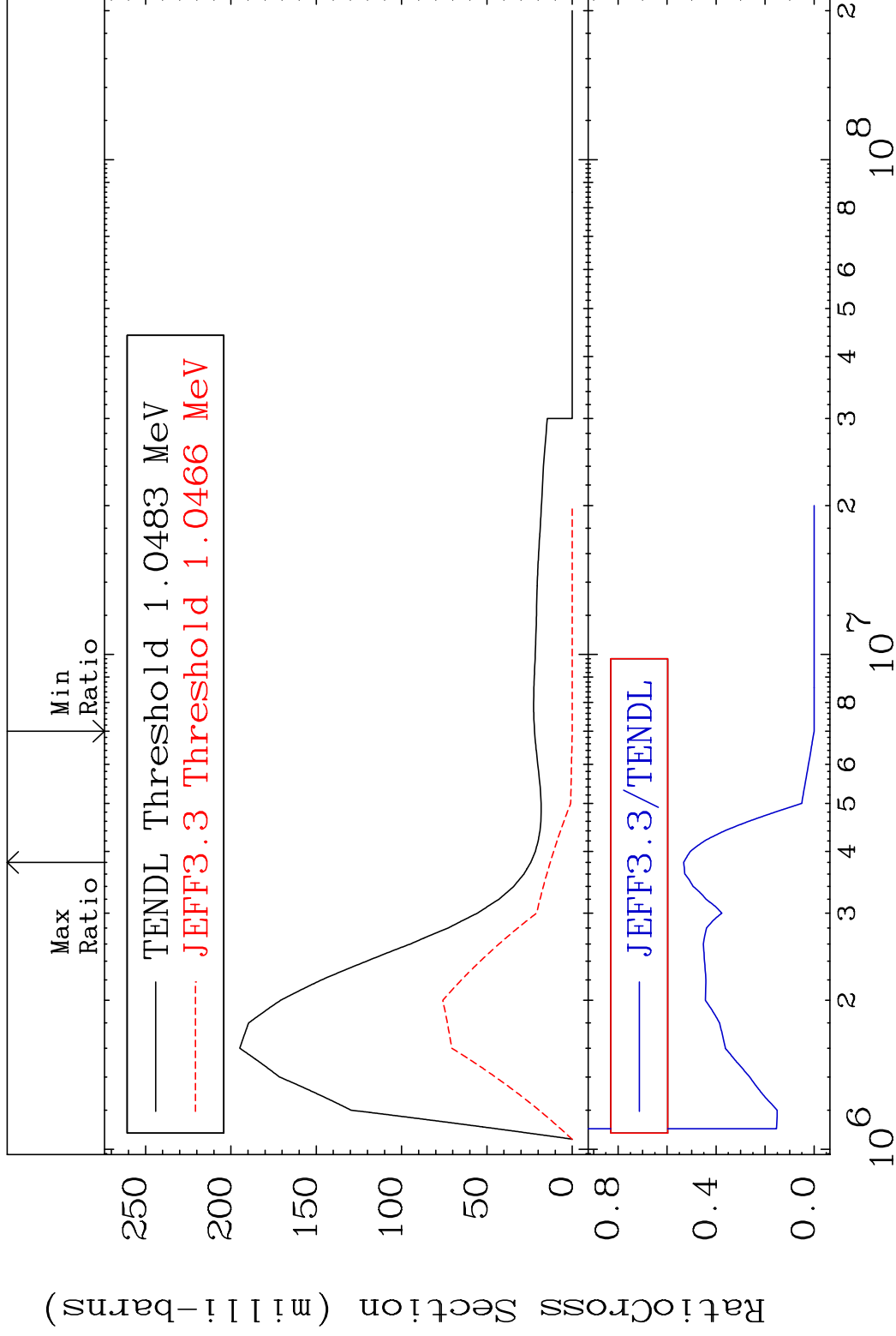
9 Incident Energy (eV) 64-Gd-158

MAT 6443

MT= 57 (n,n') Level

64-Gd-158

Cross Section -100.0 To -46.76%

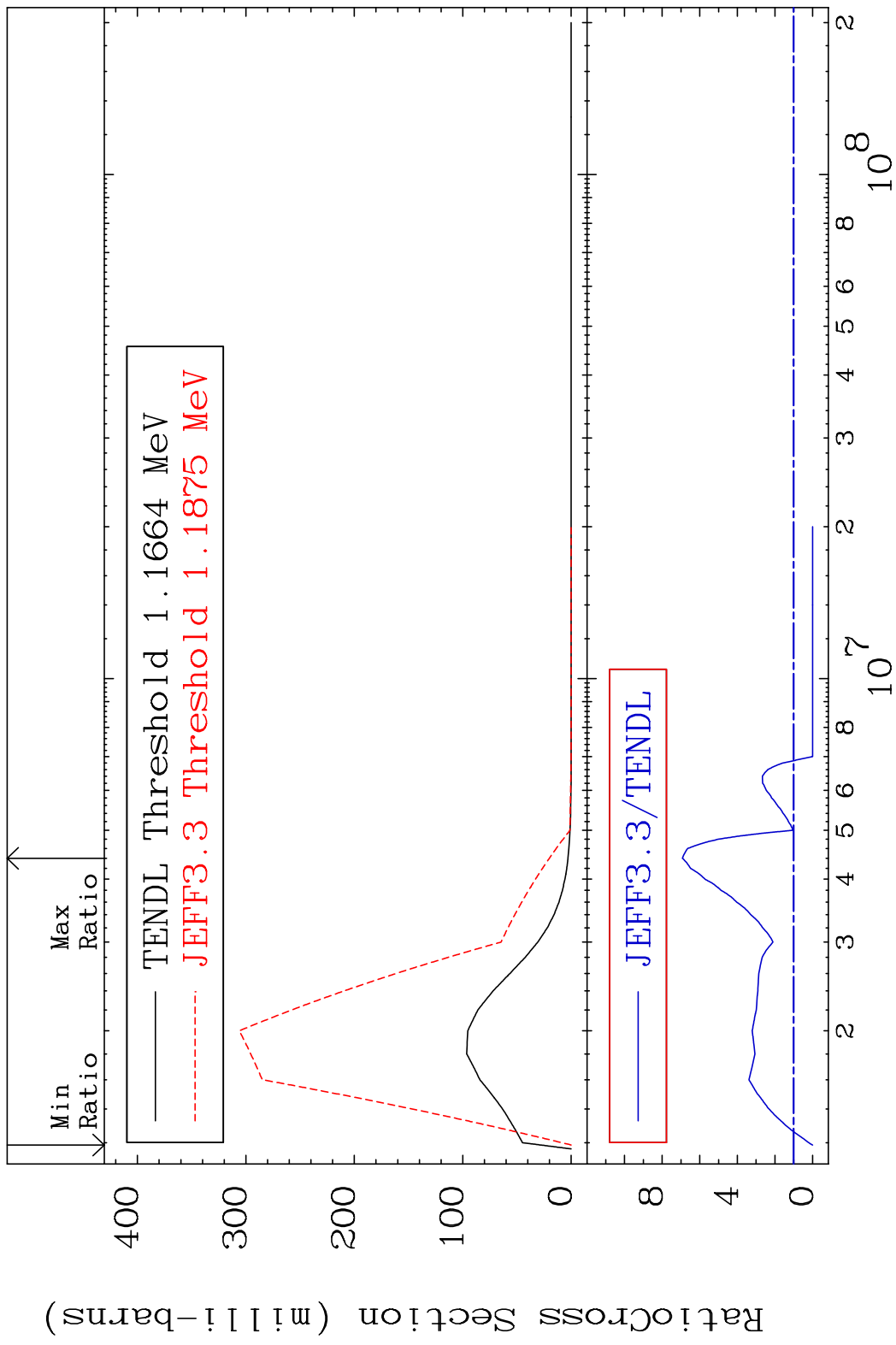


10

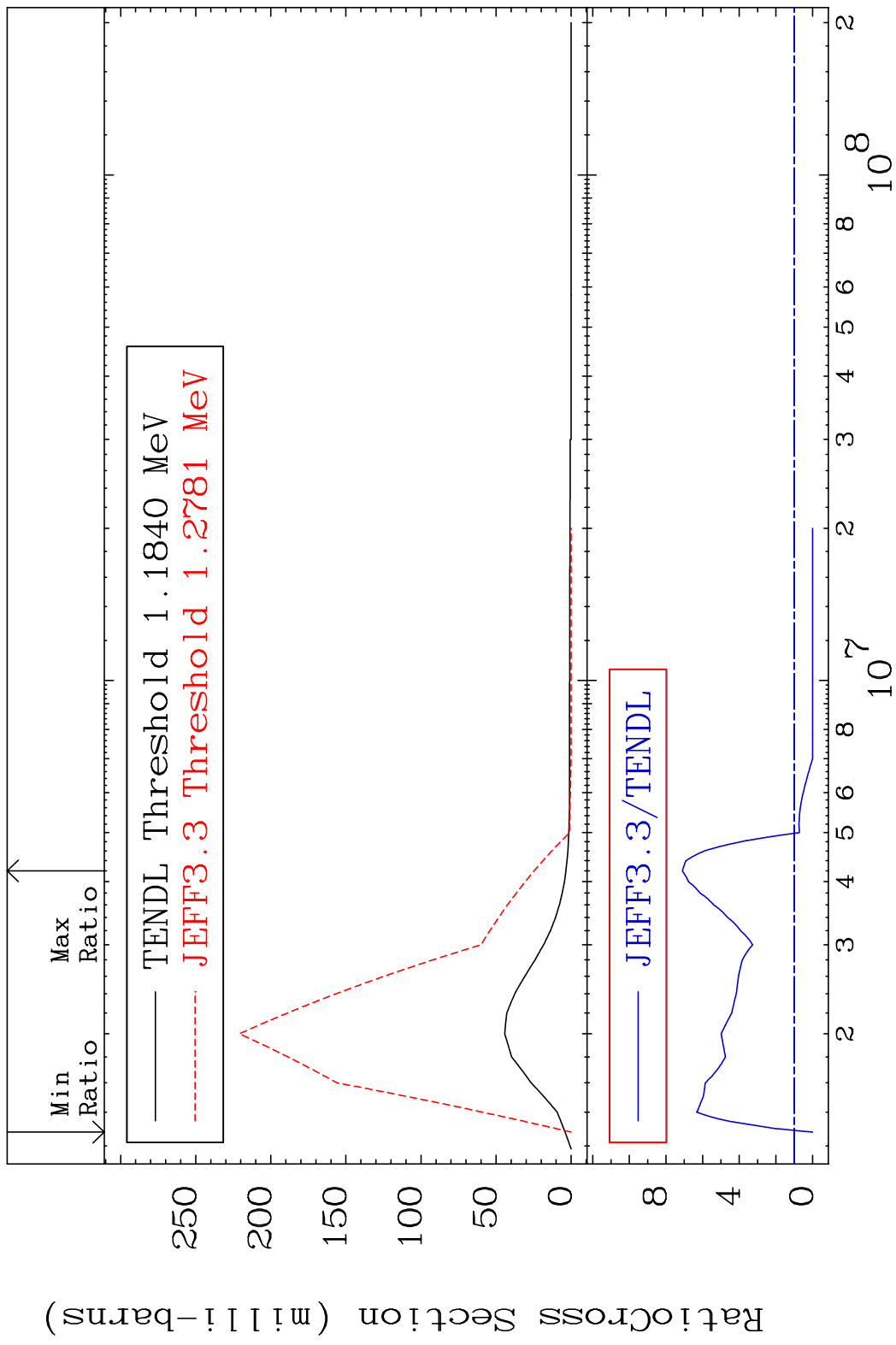
Incident Energy (eV)

64-Gd-158

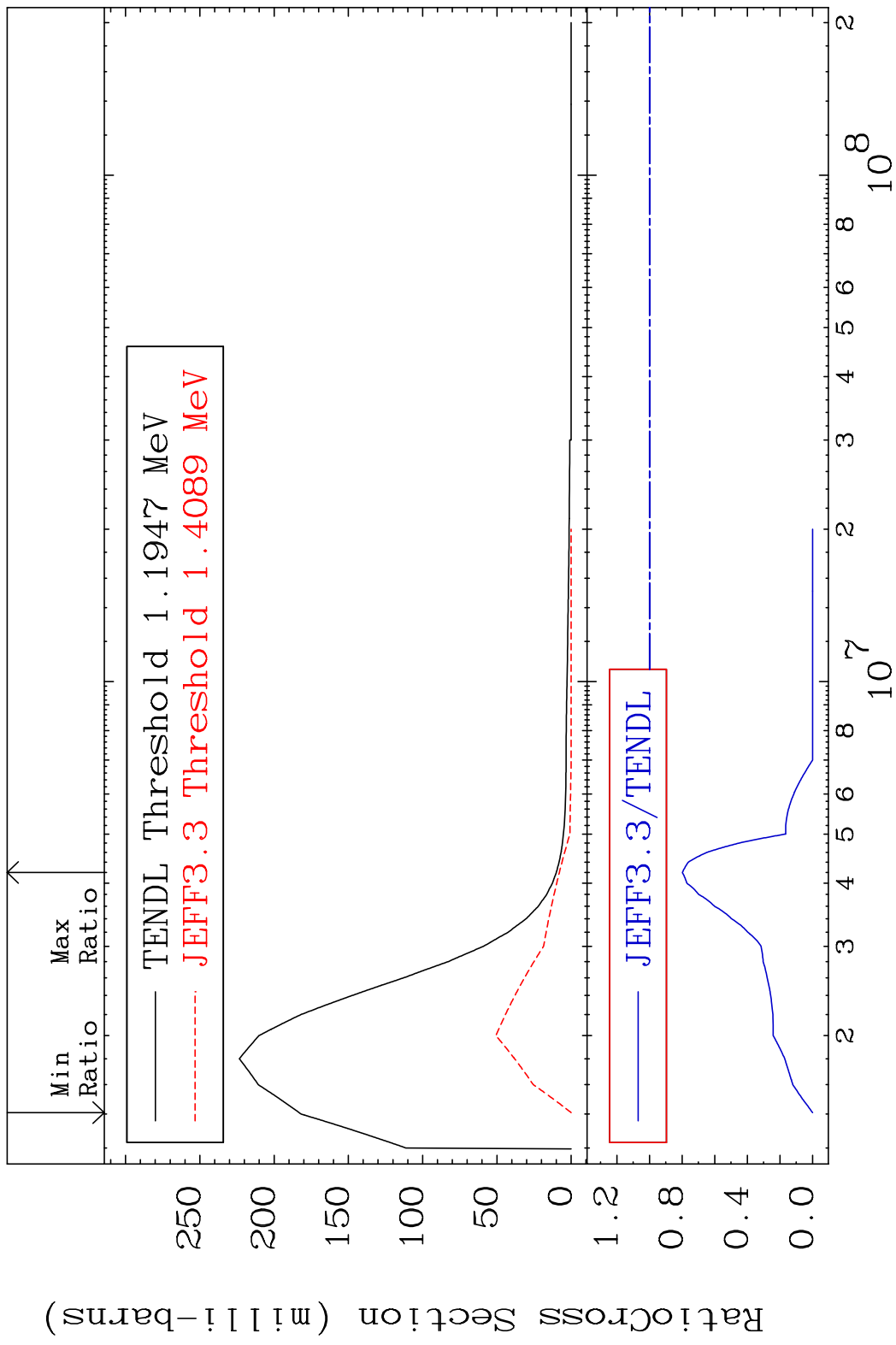
MAT 6443 MT= 58 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 592.5 %



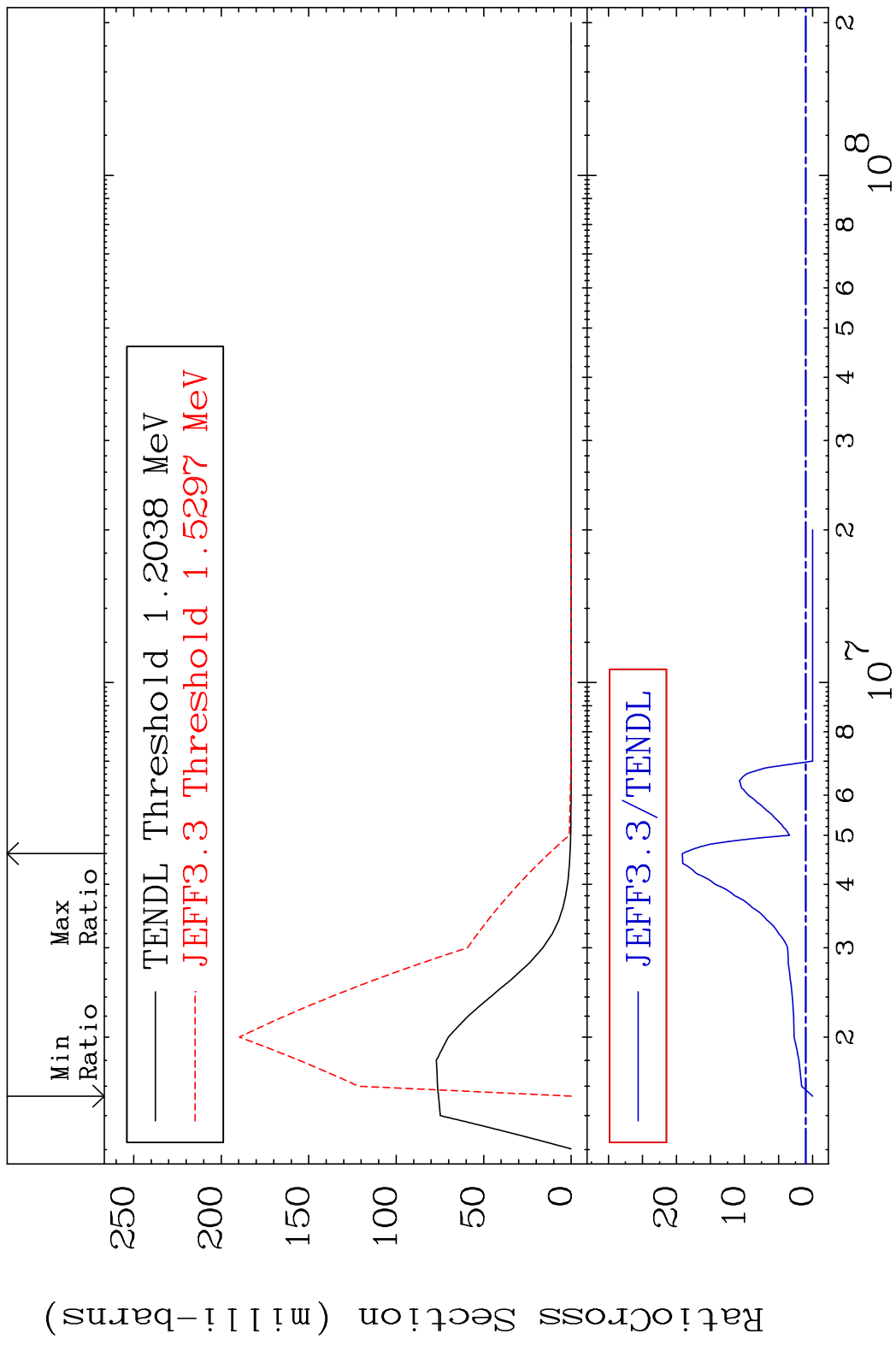
MAT 6443 MT= 59 (n, n') Level 64-Gd-158
 Cross Section -100.0 To 610.6 %



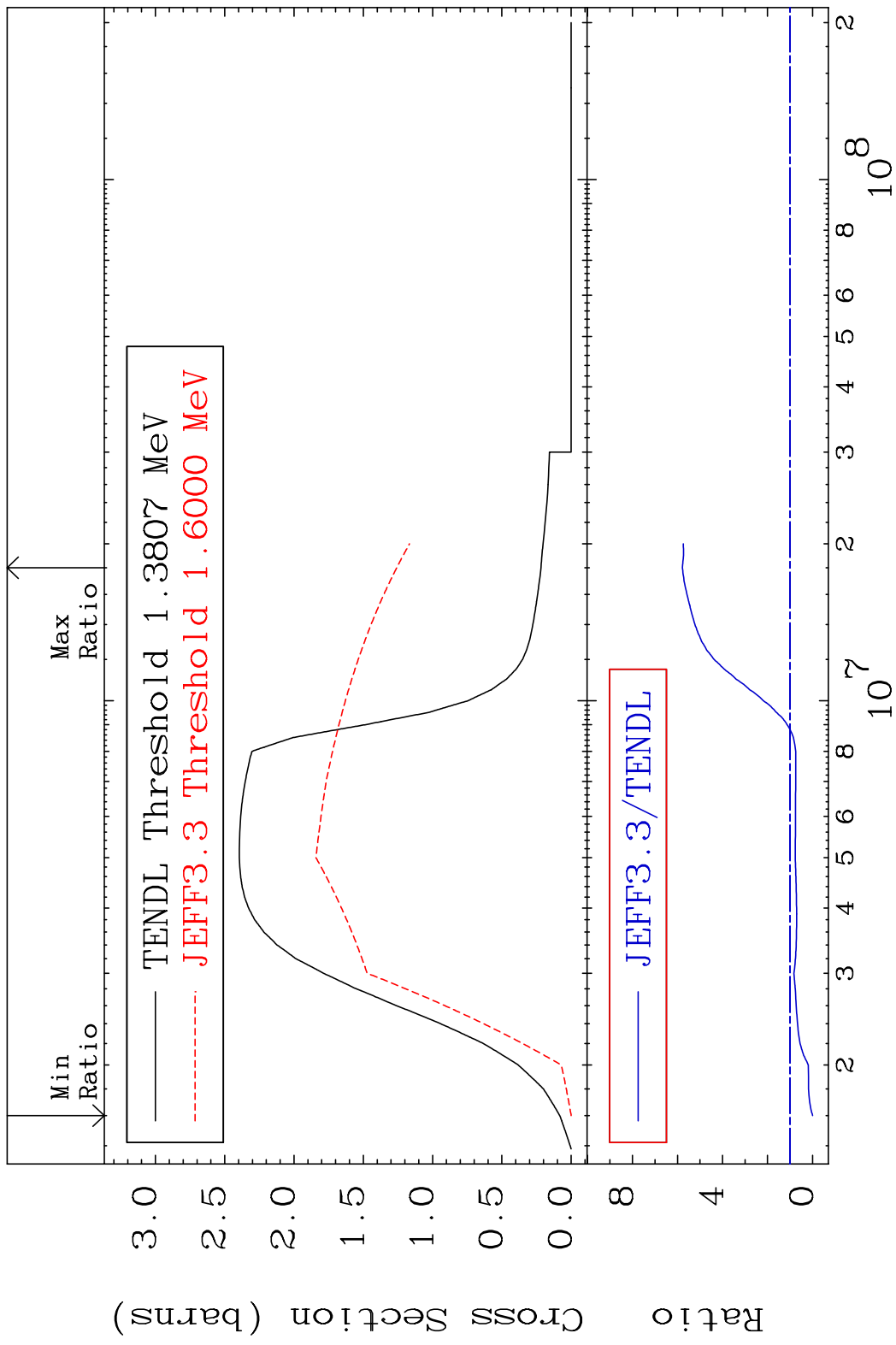
MAT 6443 MT= 60 (n, n') Level 64-Gd-158
 Cross Section -100.0 To -20.16%



MAT 6443 MT= 61 (n,n') Level 64-Gd-158
 Cross Section -100.0 To 1814. %



MAT 6443 (n, n') Continuum 64-Gd-158
 Cross Section -100.0 To 478.4 %

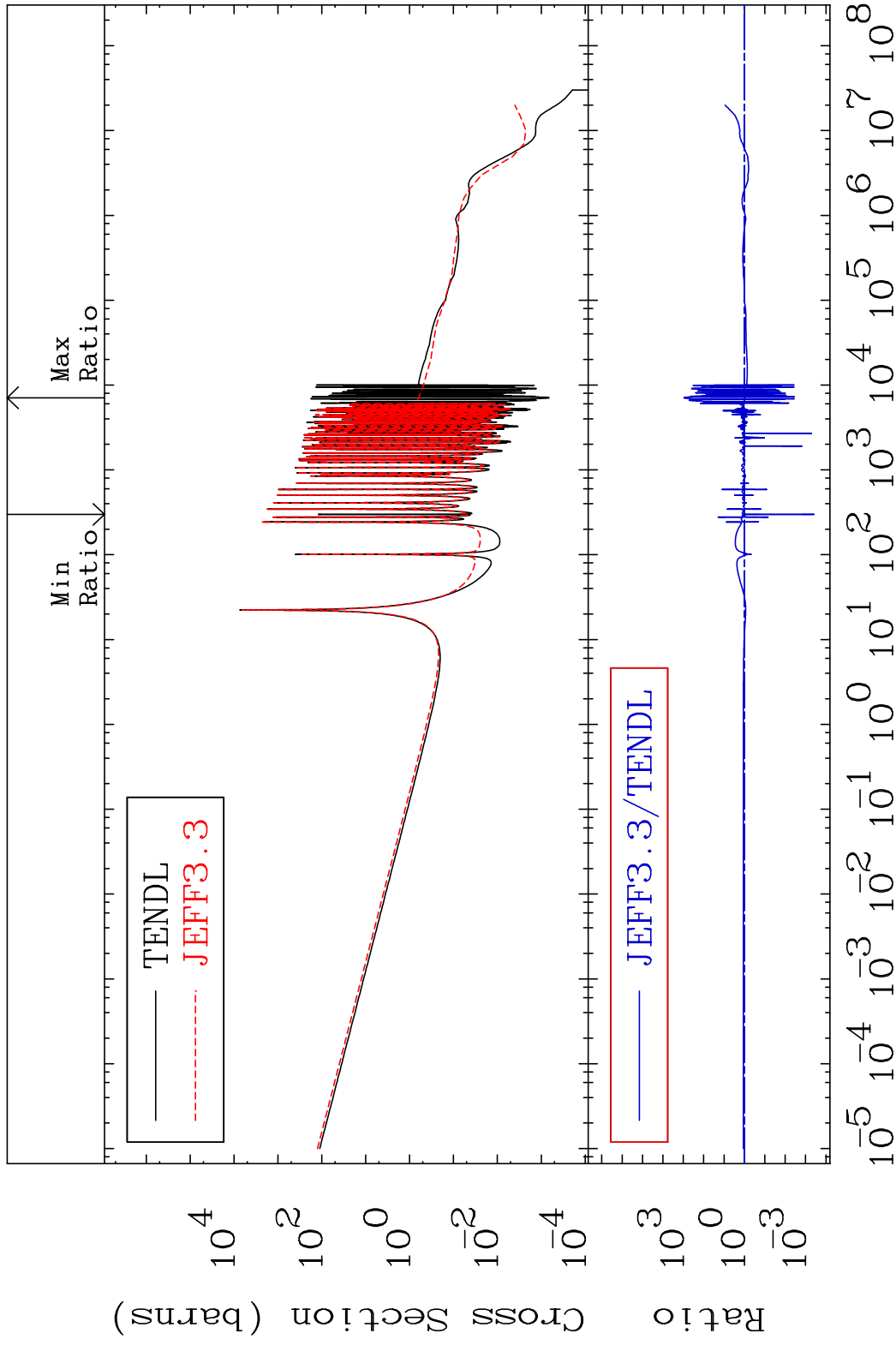


MAT 6443

(n, γ)

64-Gd-158

Cross Section -99.96 To 9999. %



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Incident Energy (eV)

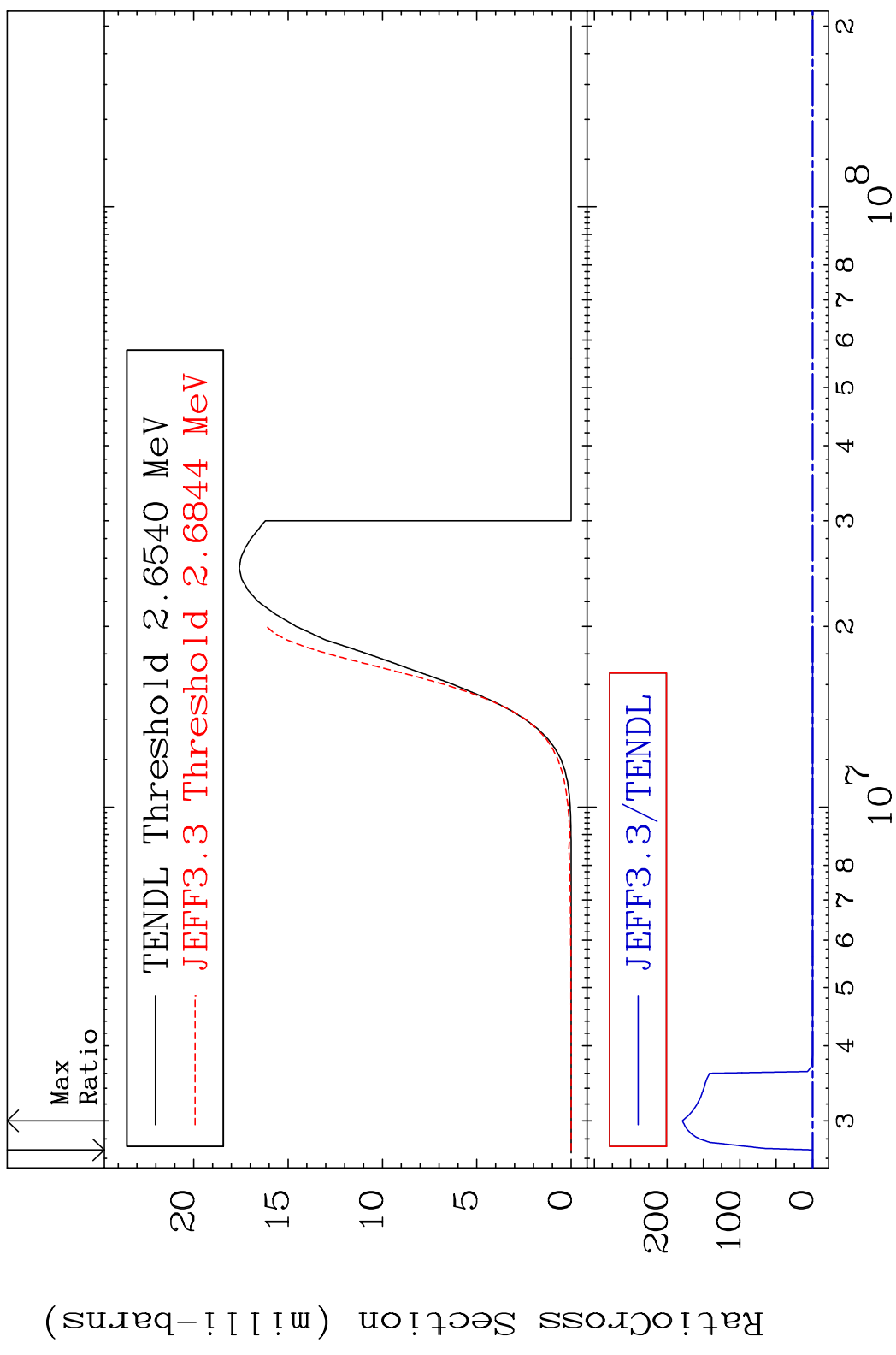
64-Gd-158

MAT 6443

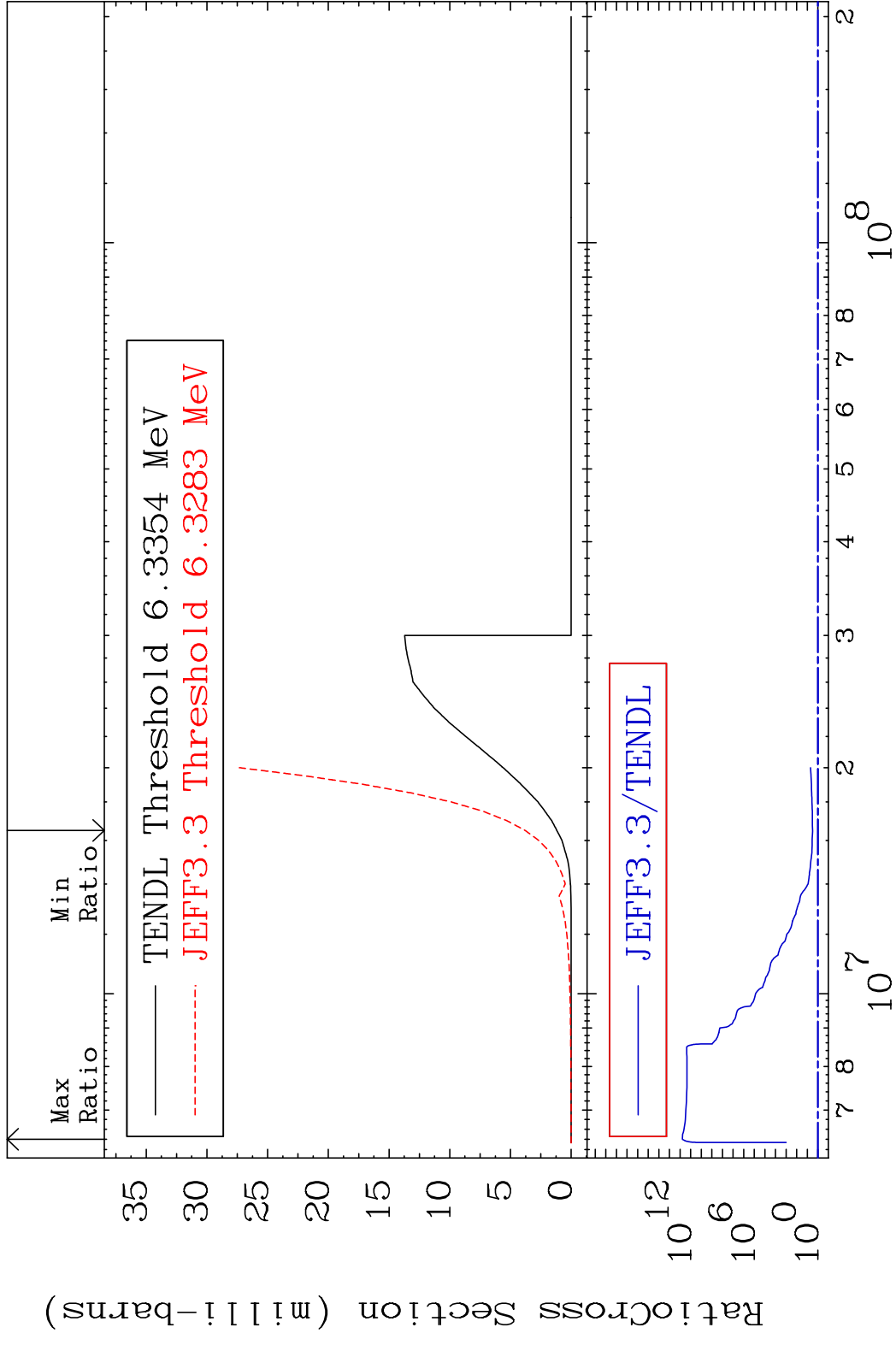
(n, p)

64-Gd-158

Cross Section -100.0 To 9999. %



MAT 6443 (n,d) 64-Gd-158
 Cross Section 220.5 To 9999. %

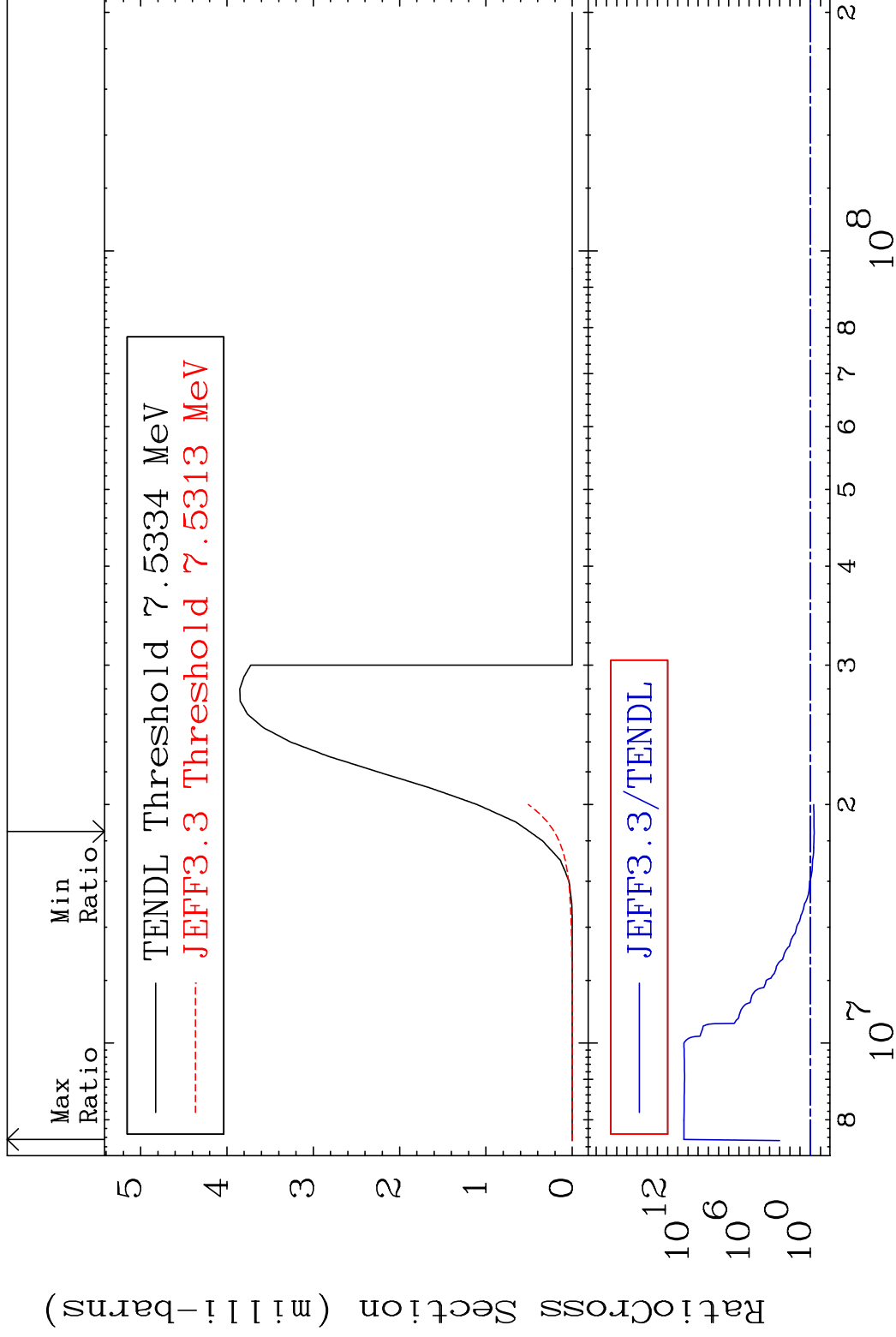


MAT 6443

(n, t)

64-Gd-158

Cross Section -57.94 To 9999. %



19

Incident Energy (eV)

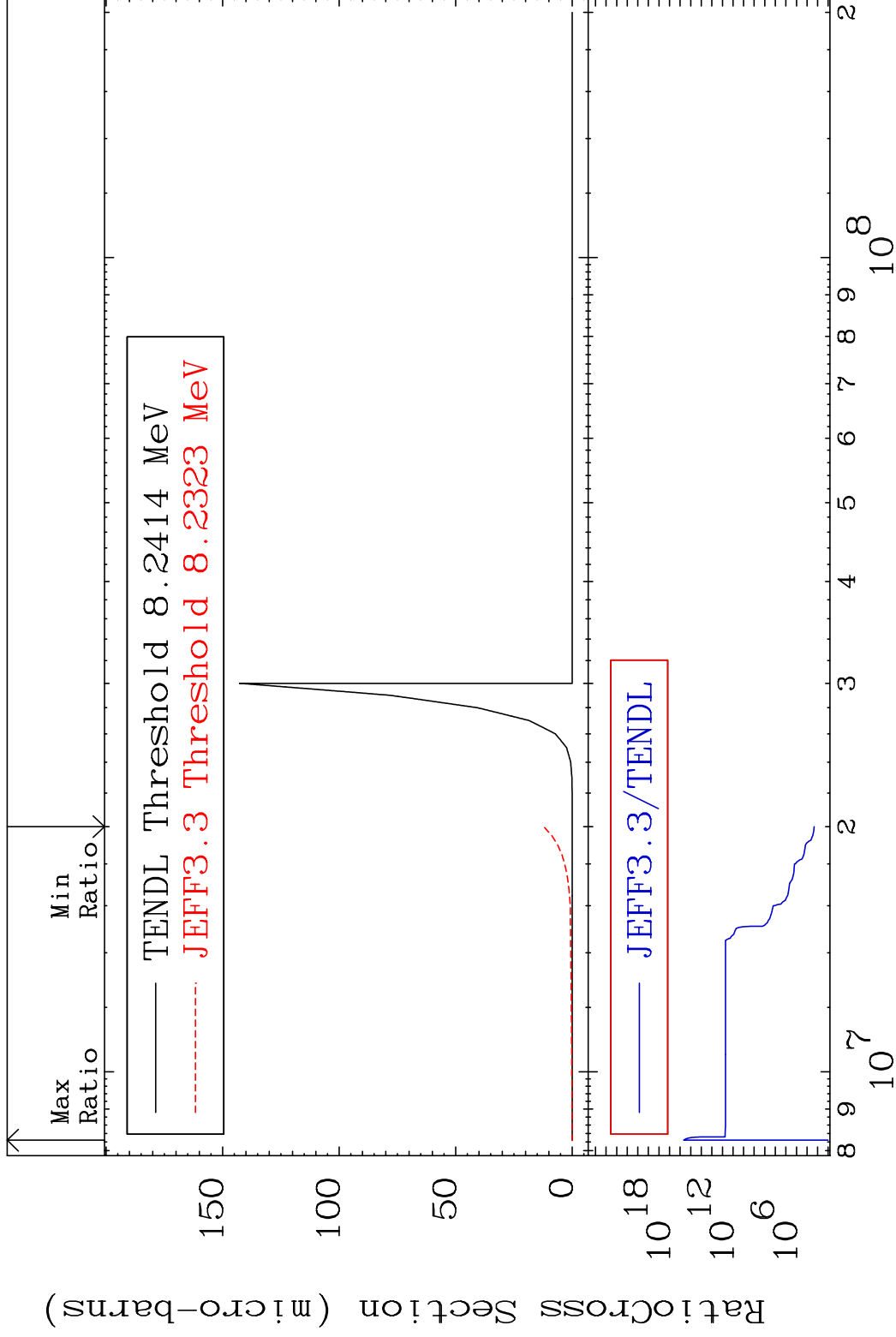
64-Gd-158

MAT 6443

(n, He-3)

64-Gd-158

Cross Section 9999. To 9999. %



20

Incident Energy (eV)

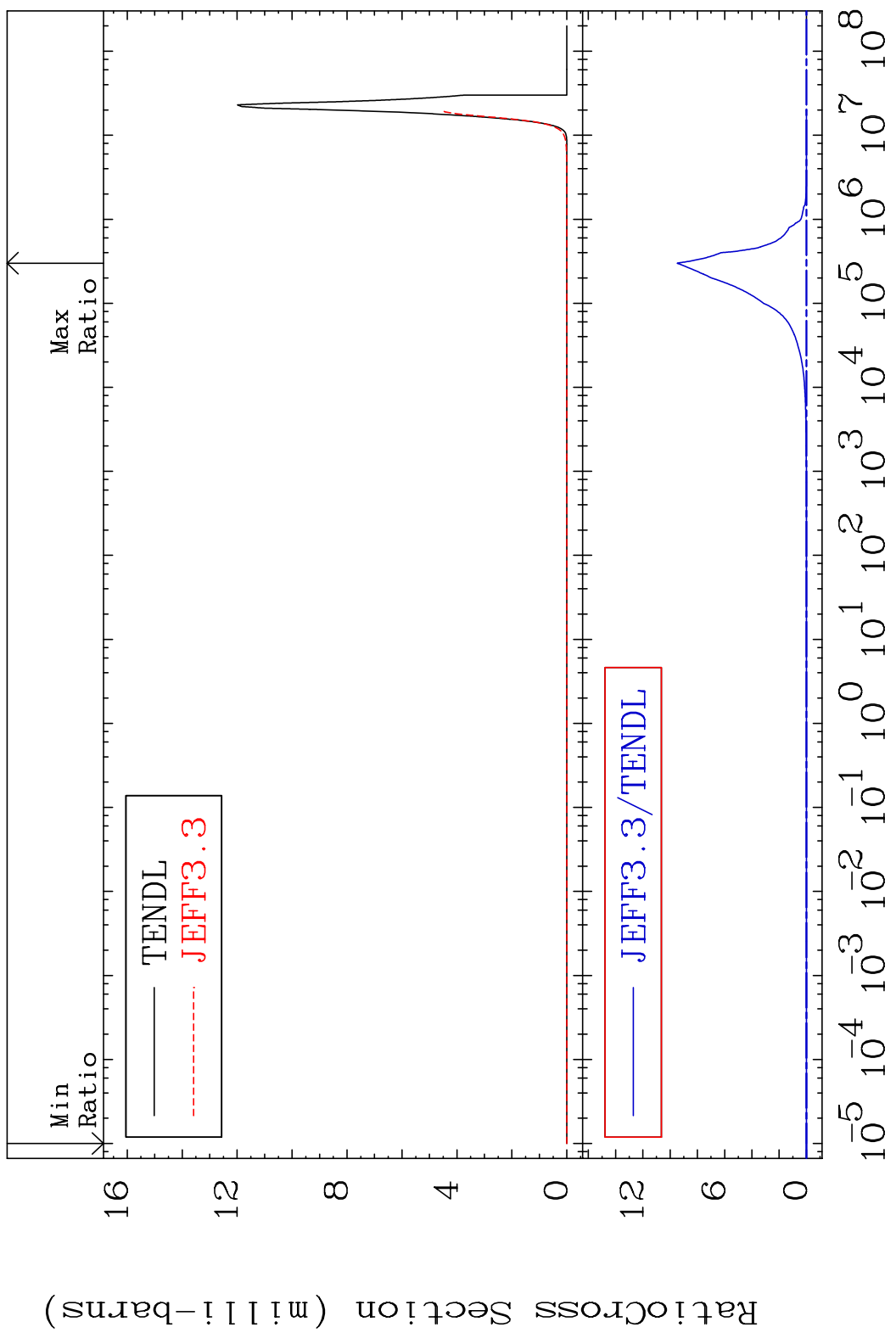
64-Gd-158

MAT 6443

(n, α)

64-Gd-158

Cross Section -100.0 To 9999. %

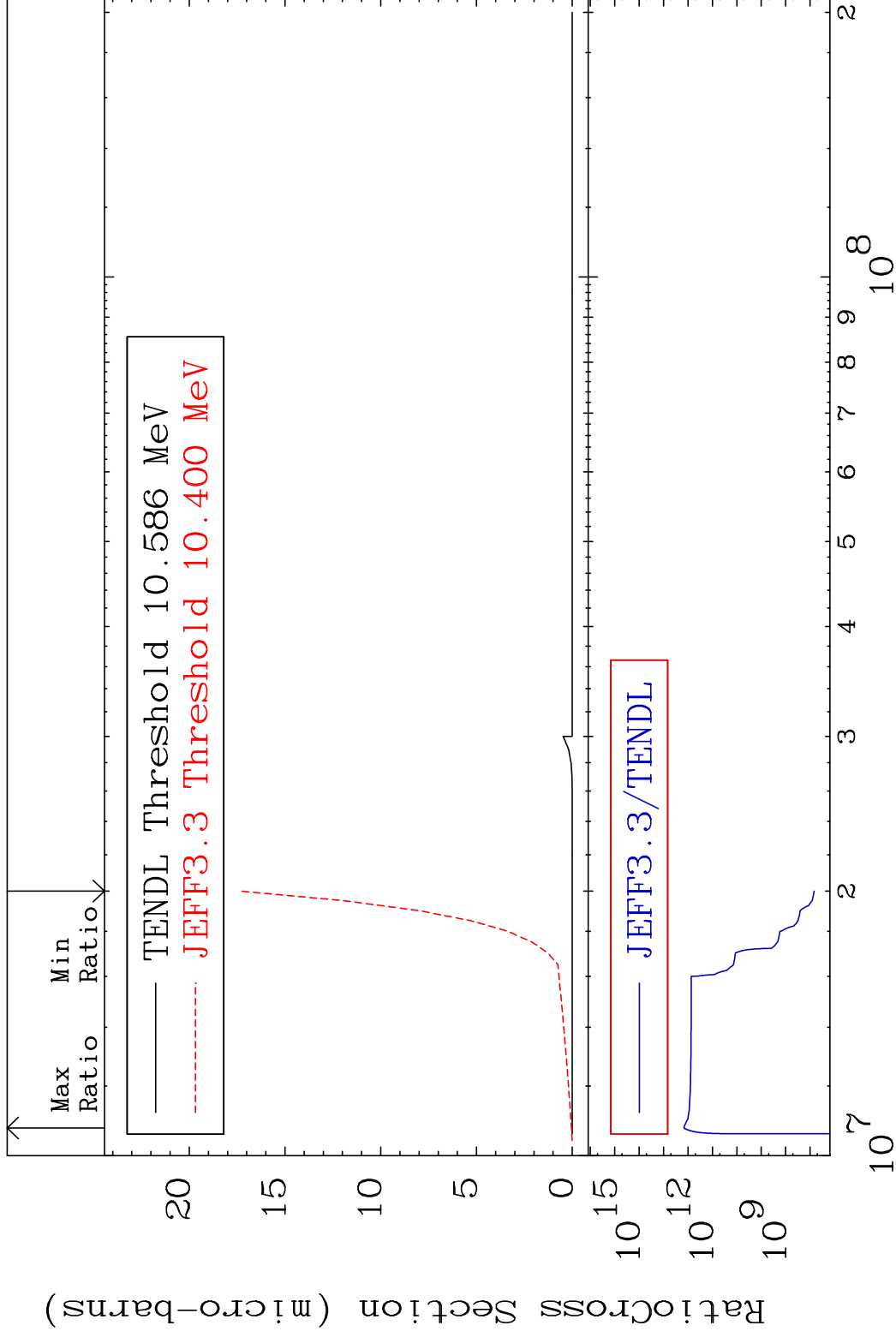


MAT 6443

(n,2p)

64-Gd-158

Cross Section 9999. To 9999. %

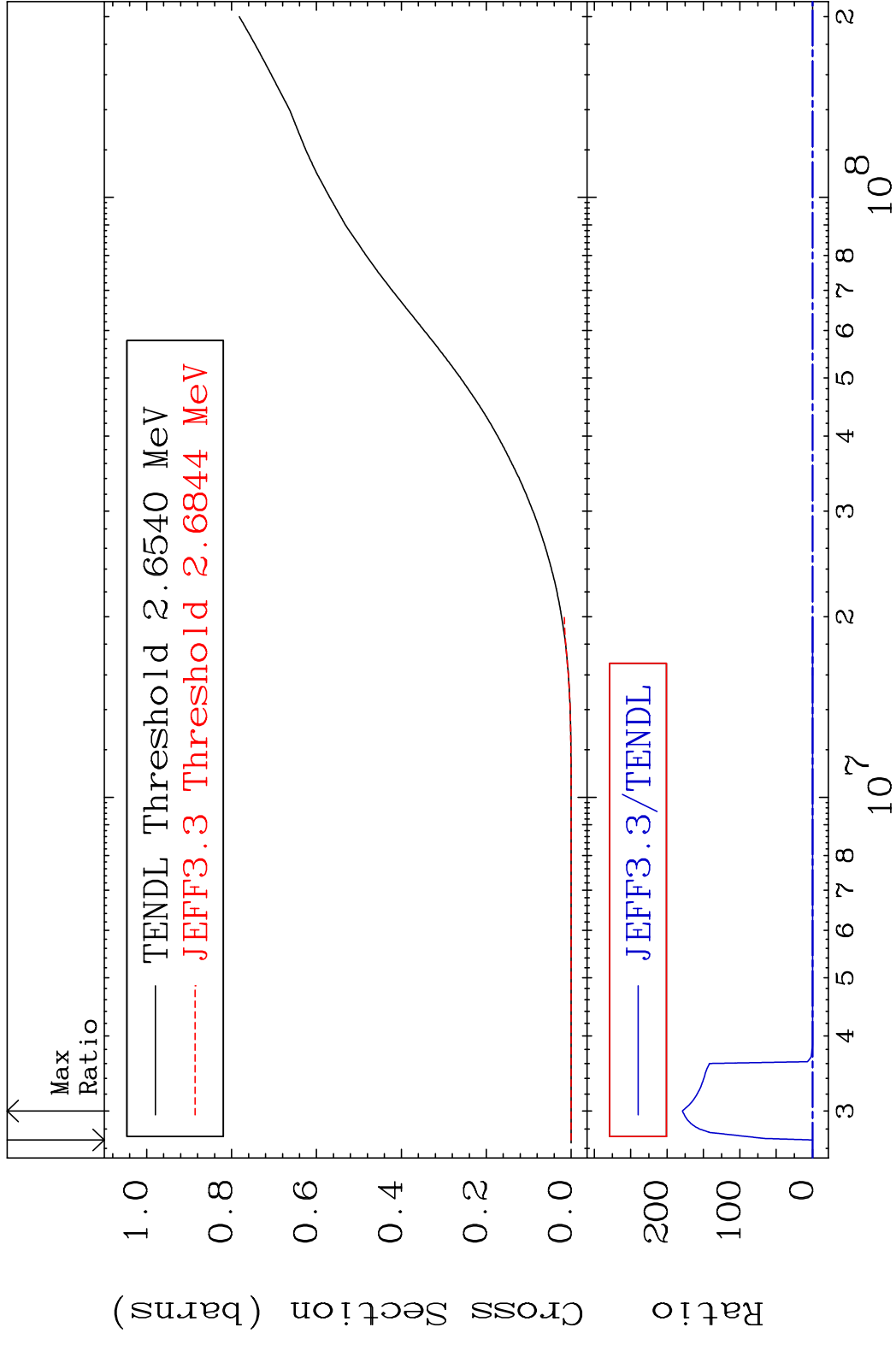


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Incident Energy (eV)

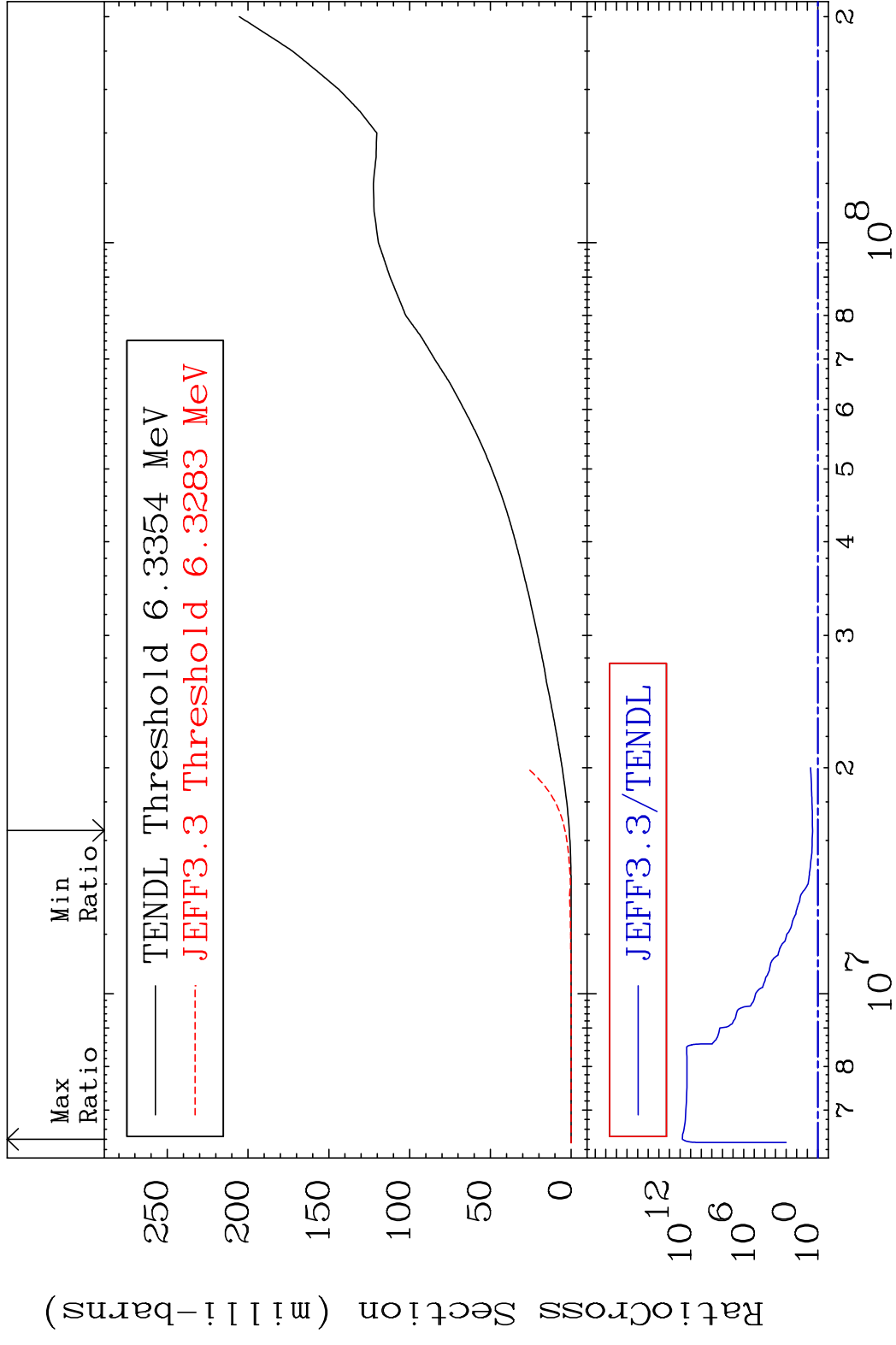
64-Gd-158

MAT 6443 Hydrogen Production 64-Gd-158
 Cross Section -100.0 To 9999. %



MAT 6443

Deuterium Production 64-Gd-158
Cross Section 220.5 To 9999. %

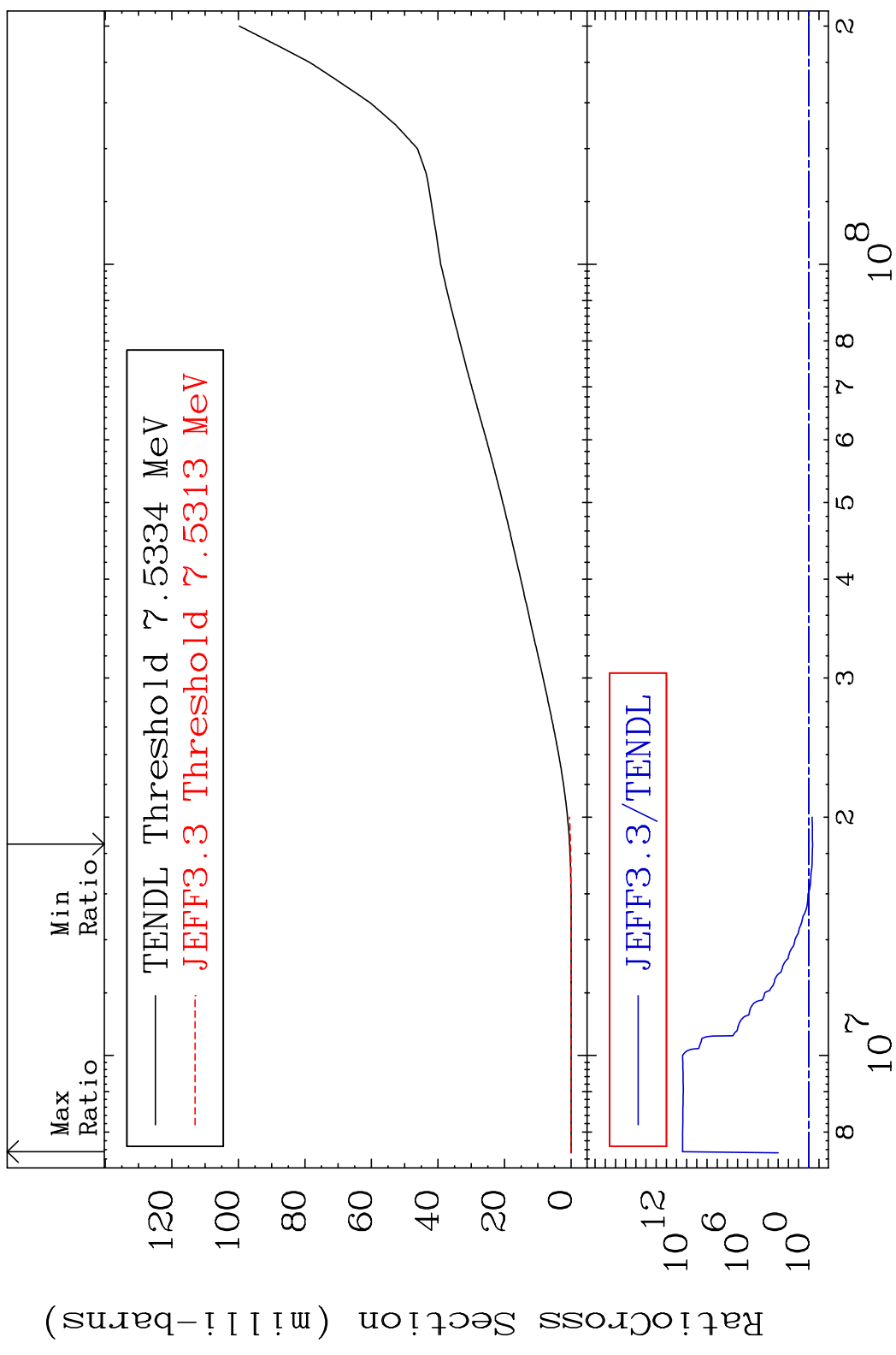


MAT 6443

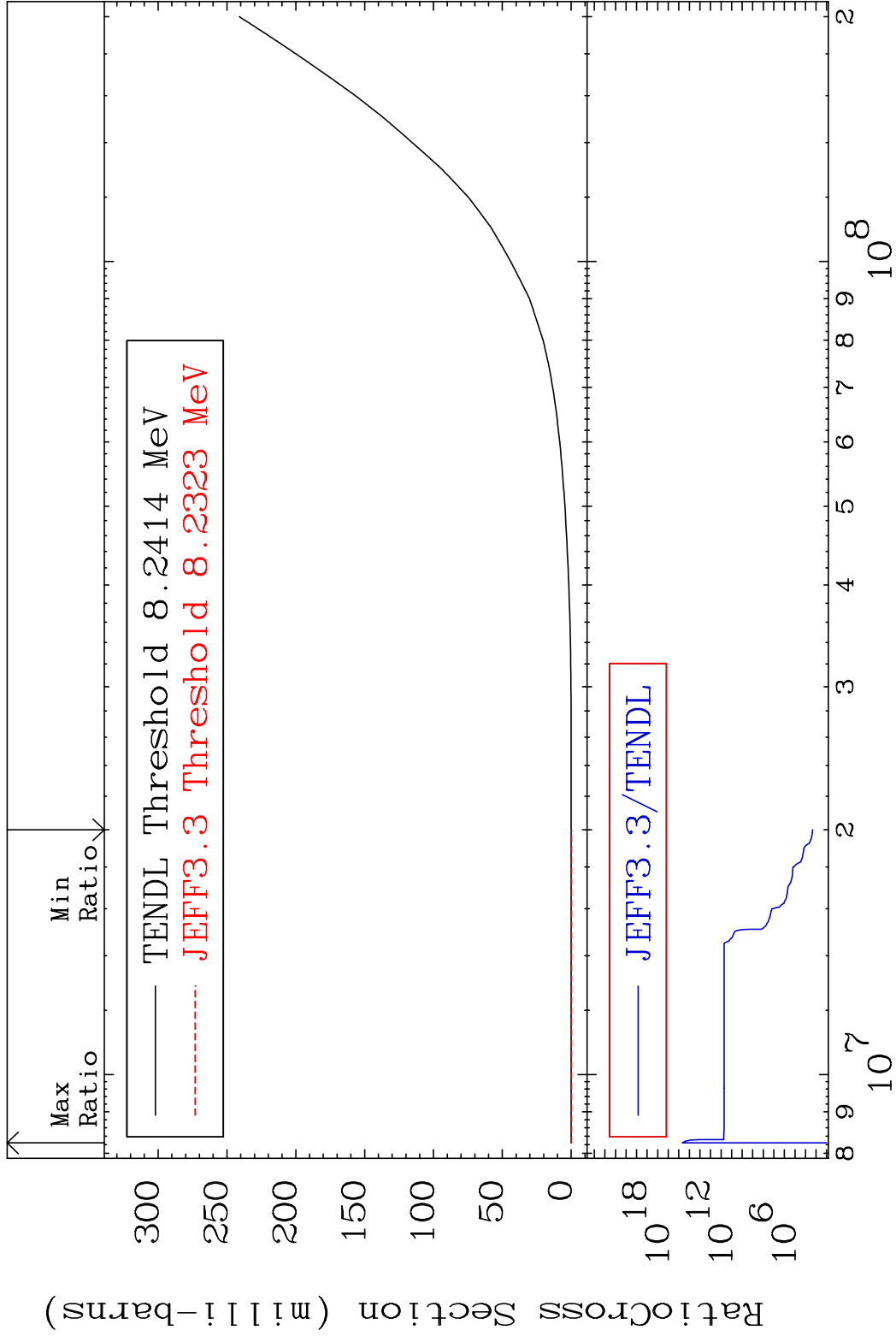
Tritium Production

64-Gd-158

Cross Section -57.94 To 9999. %



Cross Section 9999. To 9999. %

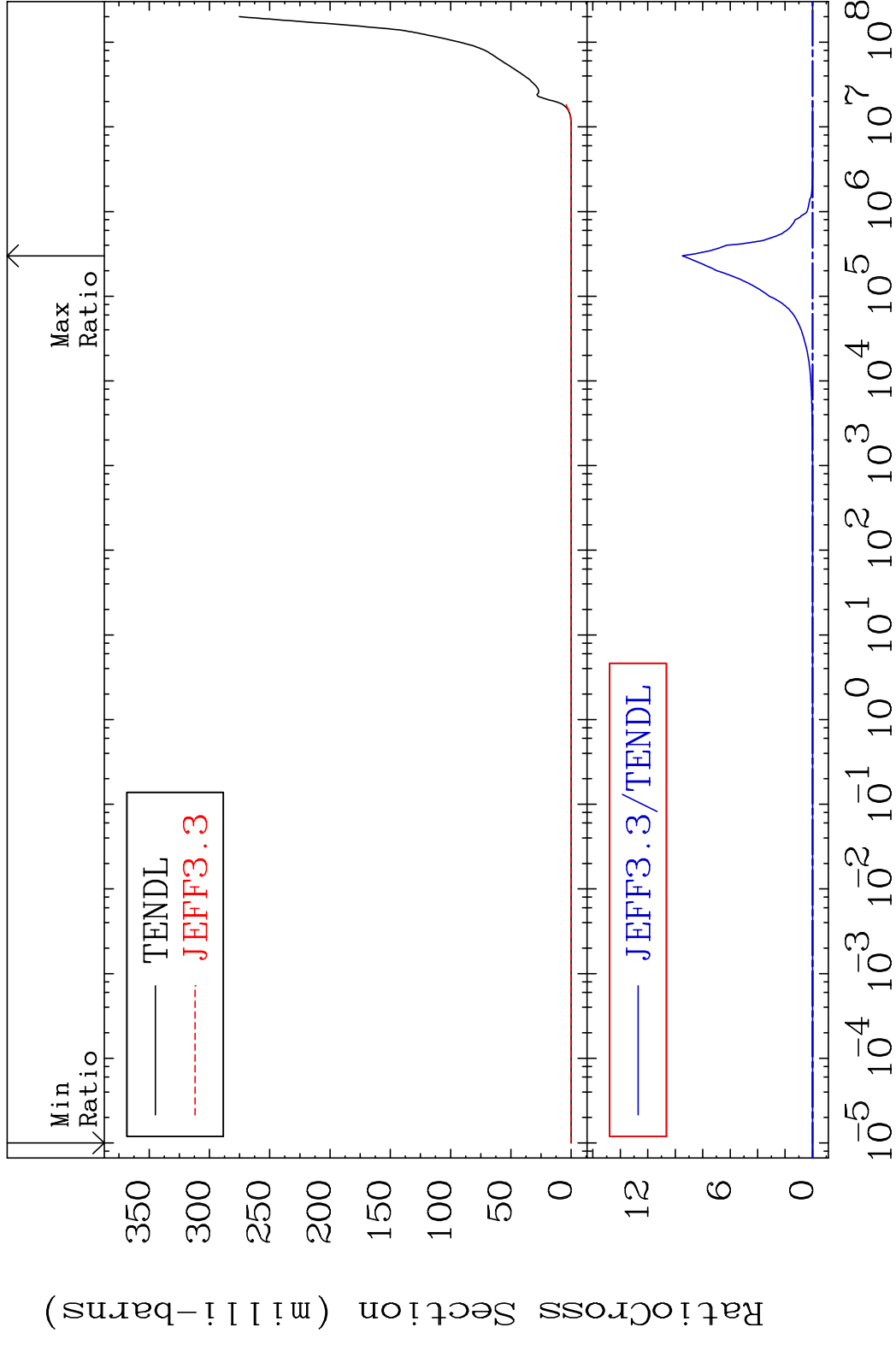


MAT 6443

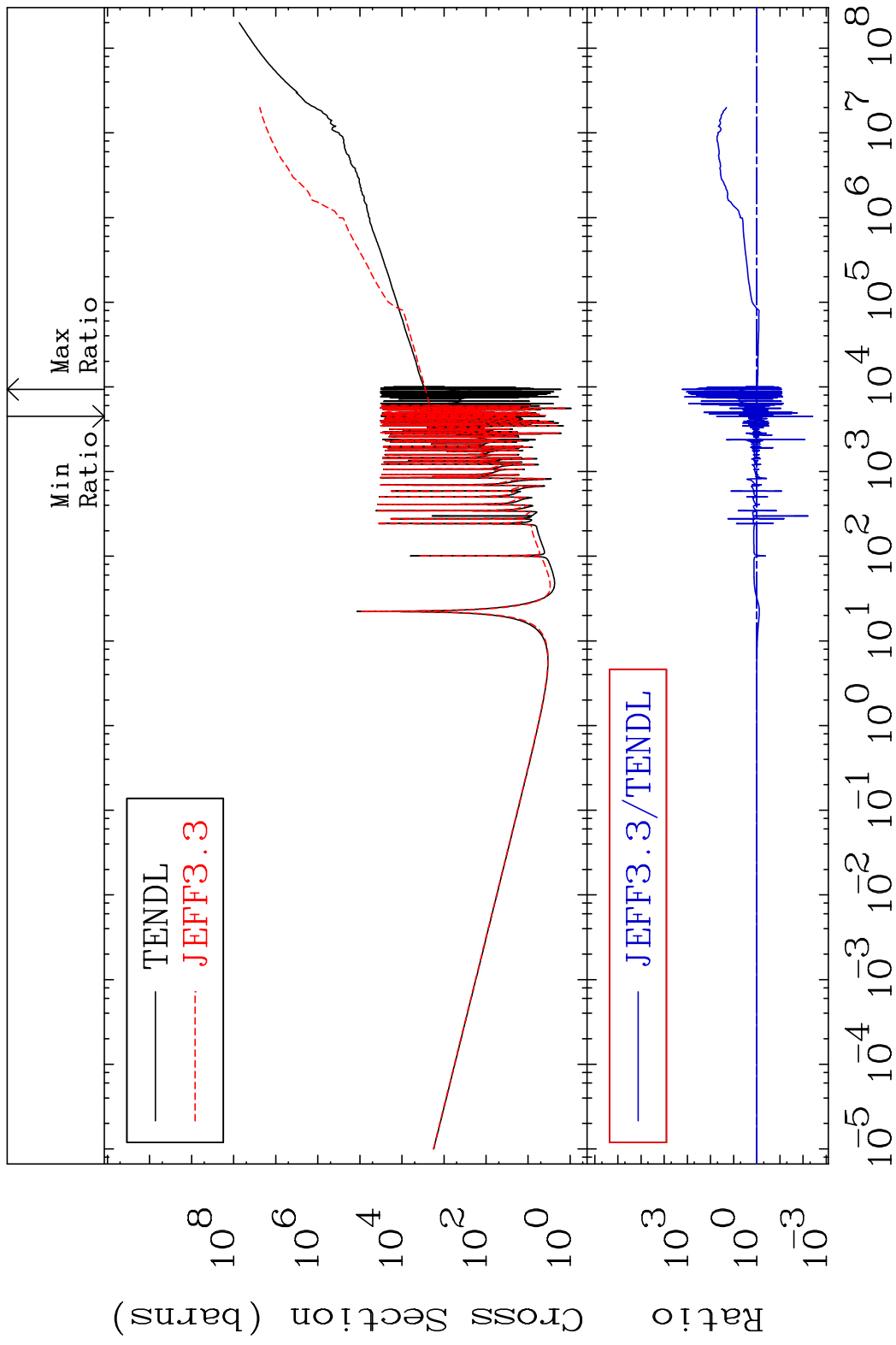
He-4 Production

64-Gd-158

Cross Section -100.0 To 9999. %



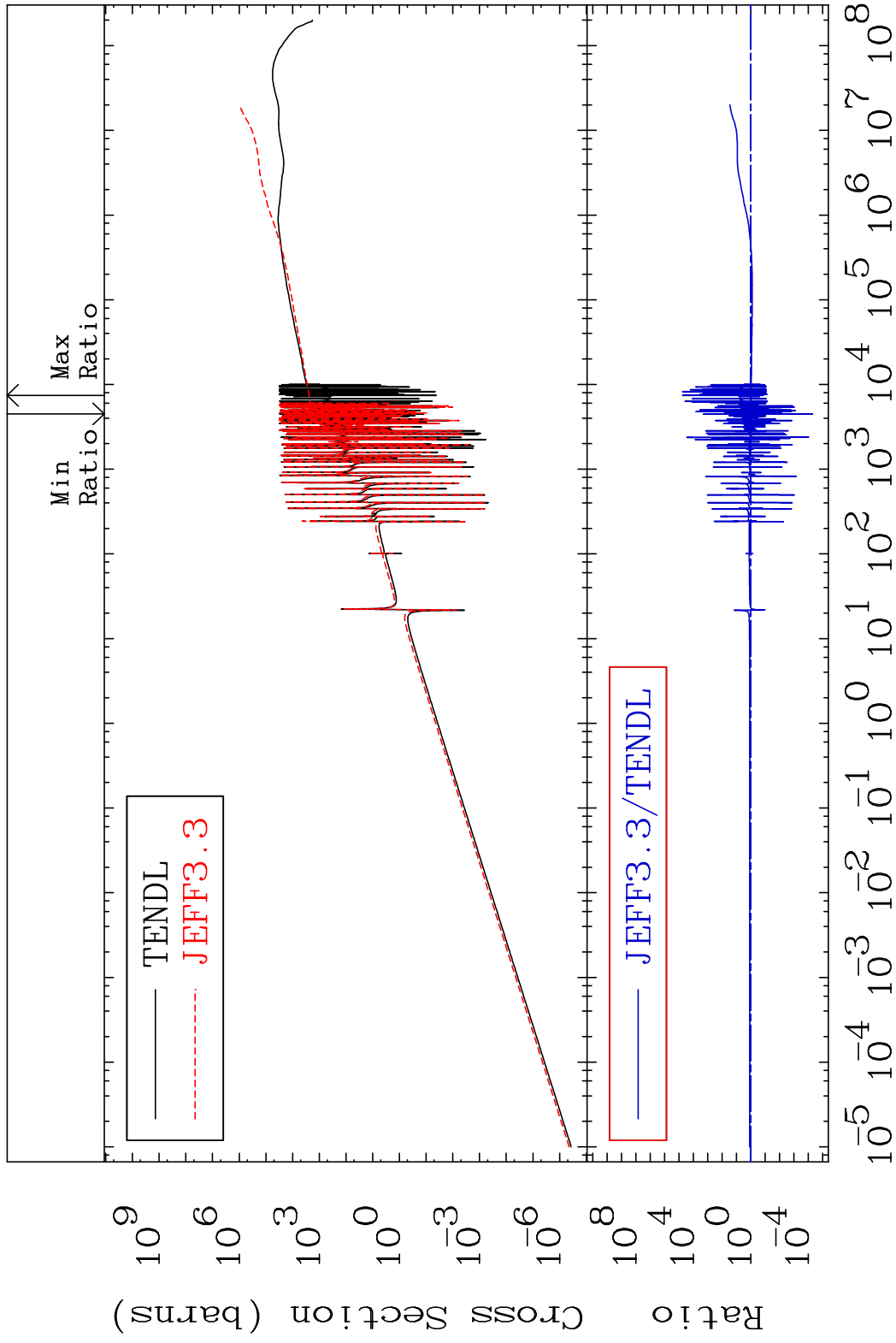
MAT 6443 Kerma total (eV-barns) 64-Gd-158
 Cross Section -99.61 To 9999. %



MAT 6443

Kerma elastic
Cross Section

64-Gd-158
-99.99 To 9999. %

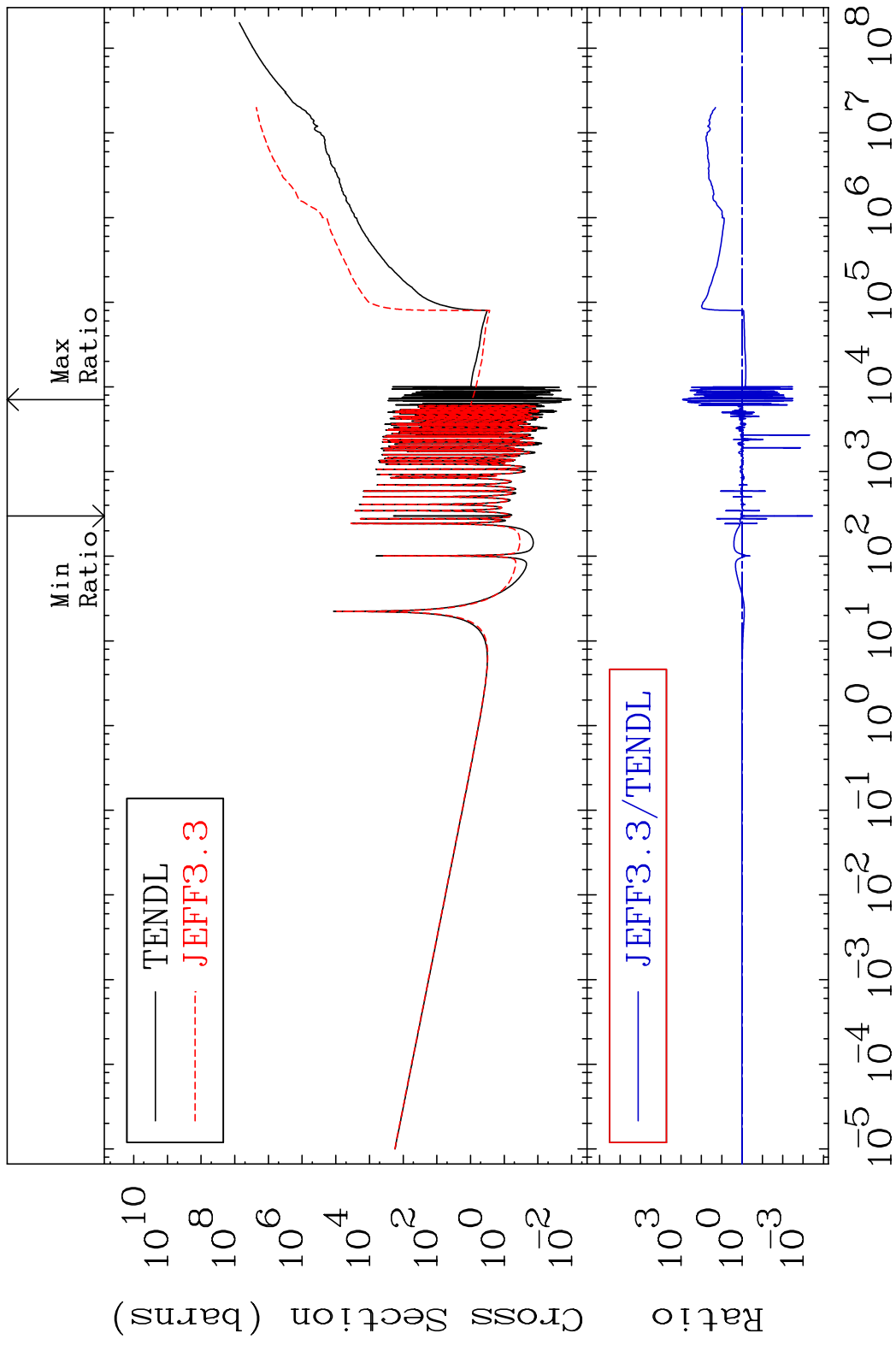


29

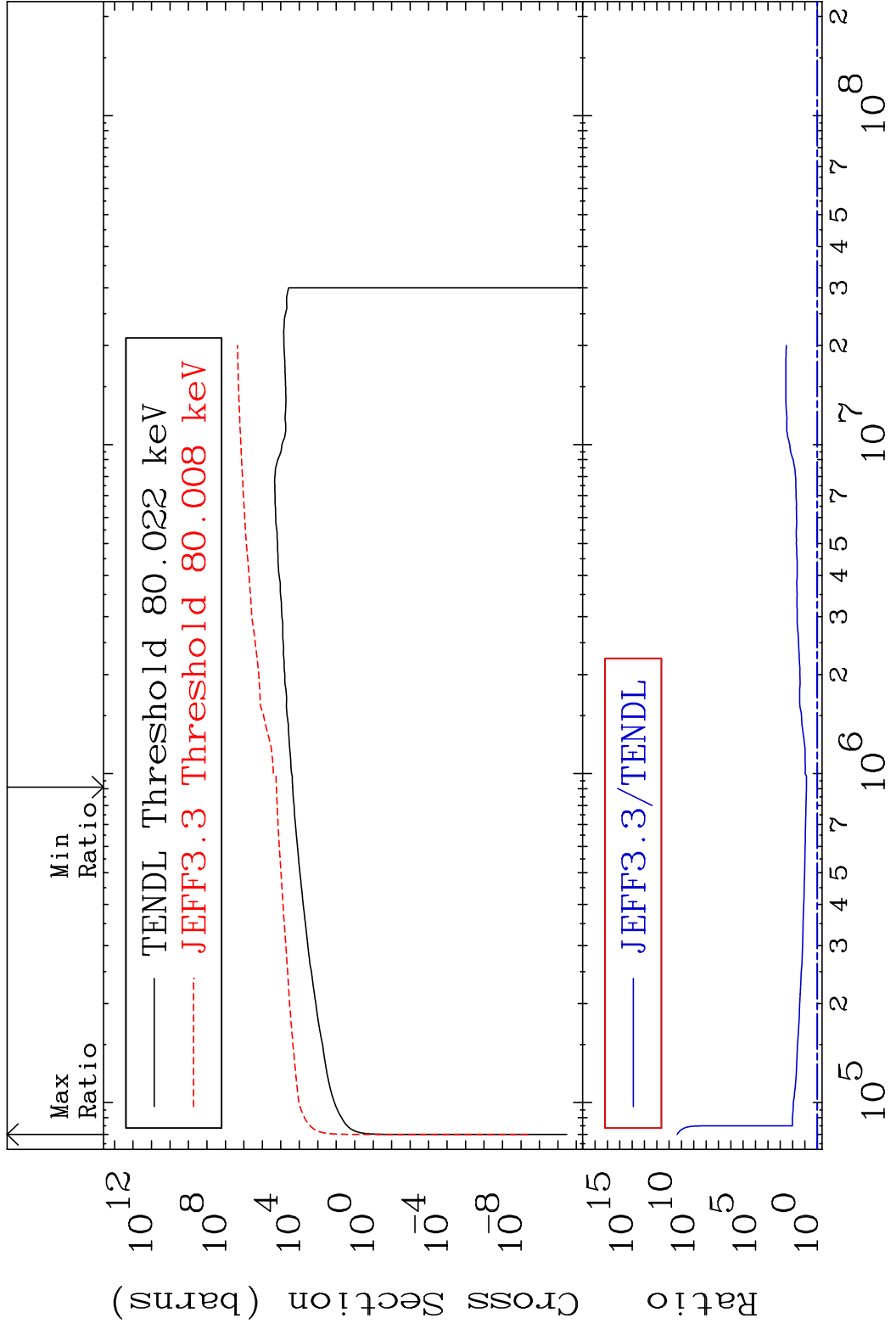
Incident Energy (eV)

64-Gd-158

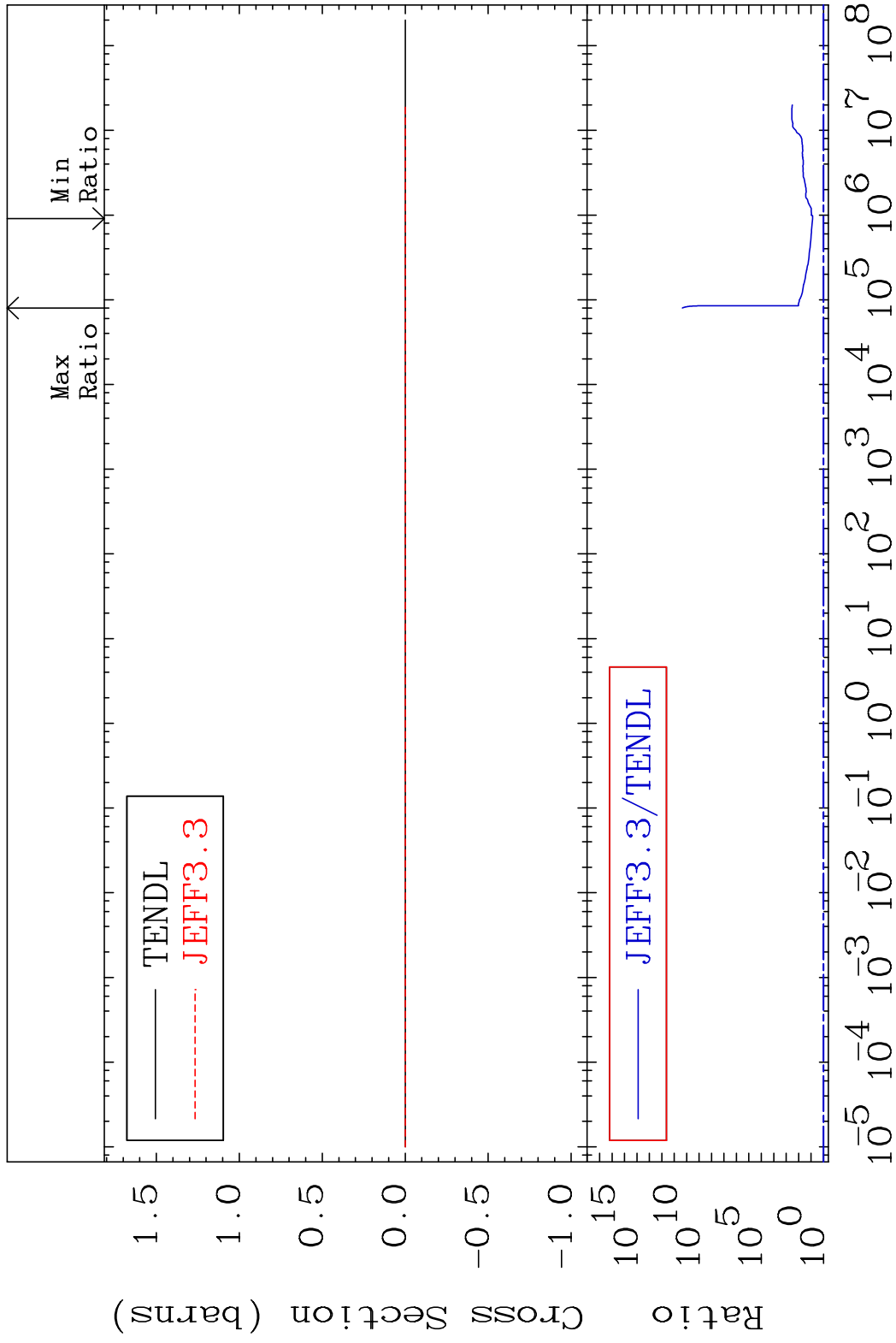
MAT 6443 Kerma non-elastic (all but mt2) 64-Gd-158
 Cross Section -99.97 To 9999. %



MAT 6443 Kerma inelastic (mt51-91) 64-Gd-158
 Cross Section 655.5 To 9999. %

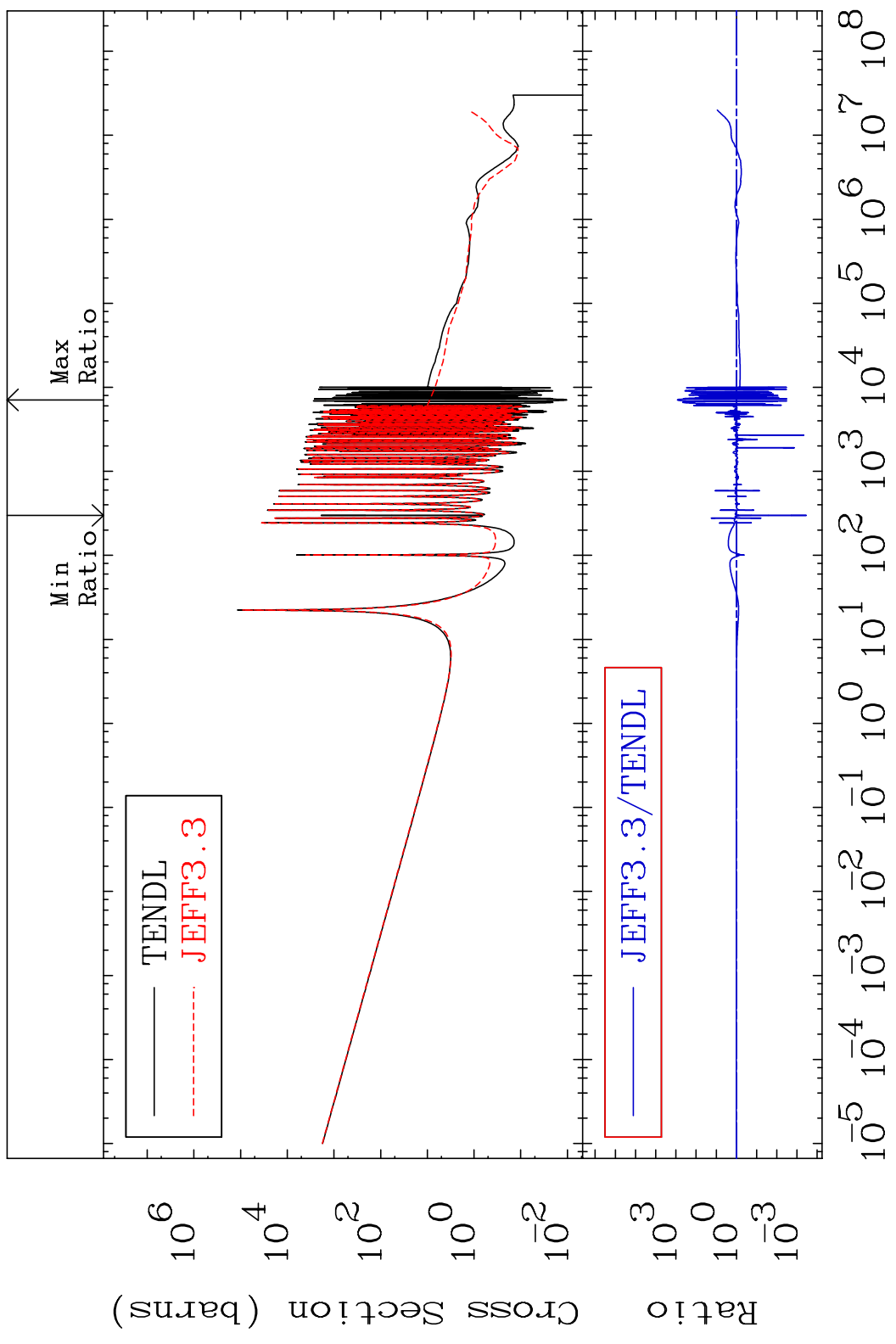


MAT 6443 Kerma fission (mt18 or mt19-20-21-38) 64-Gd-158
 Cross Section 655.5 To 9999. %



MAT 6443

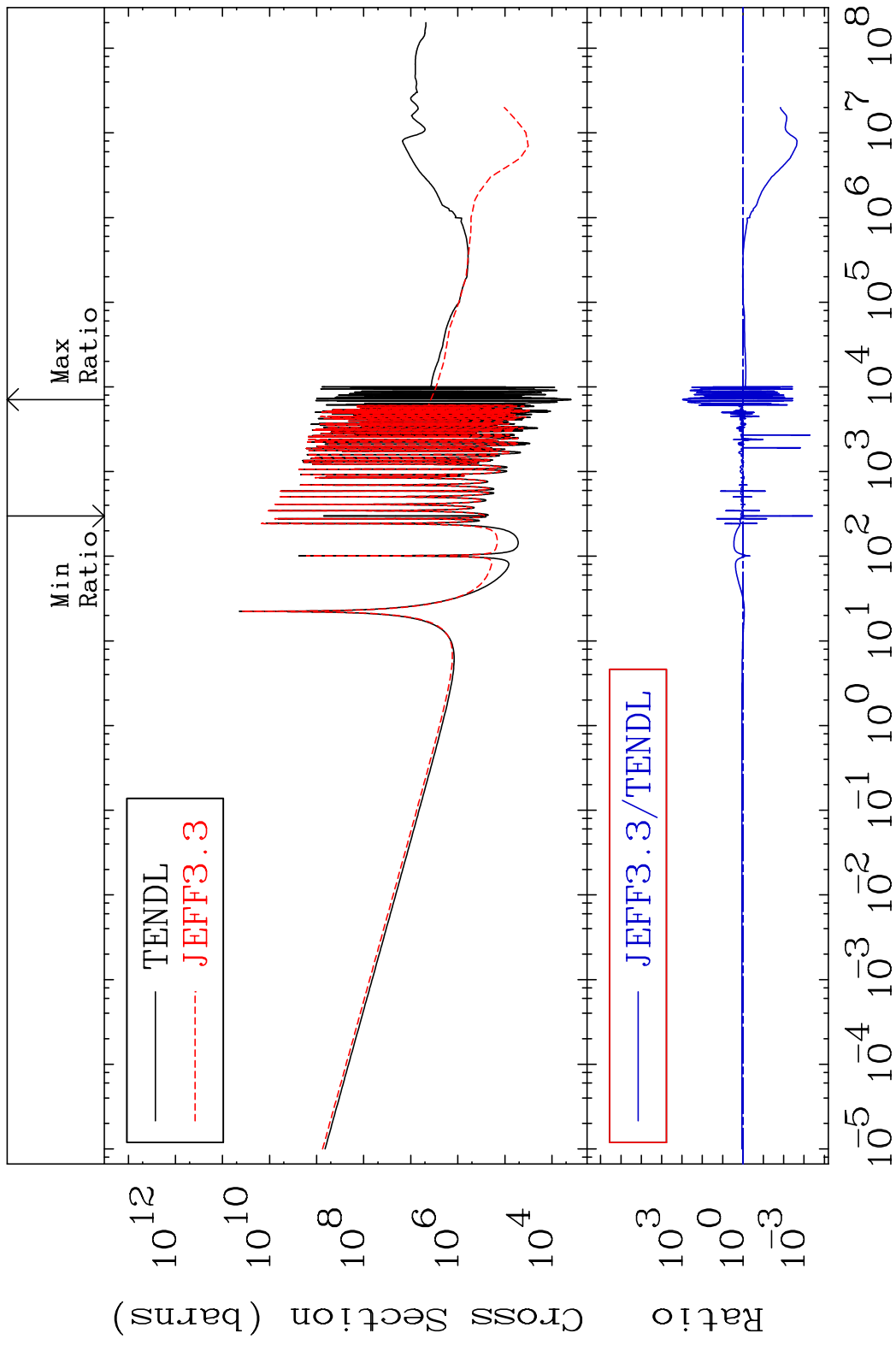
Kerma capture (mt102) 64-Gd-158
Cross Section -99.97 To 9999. %



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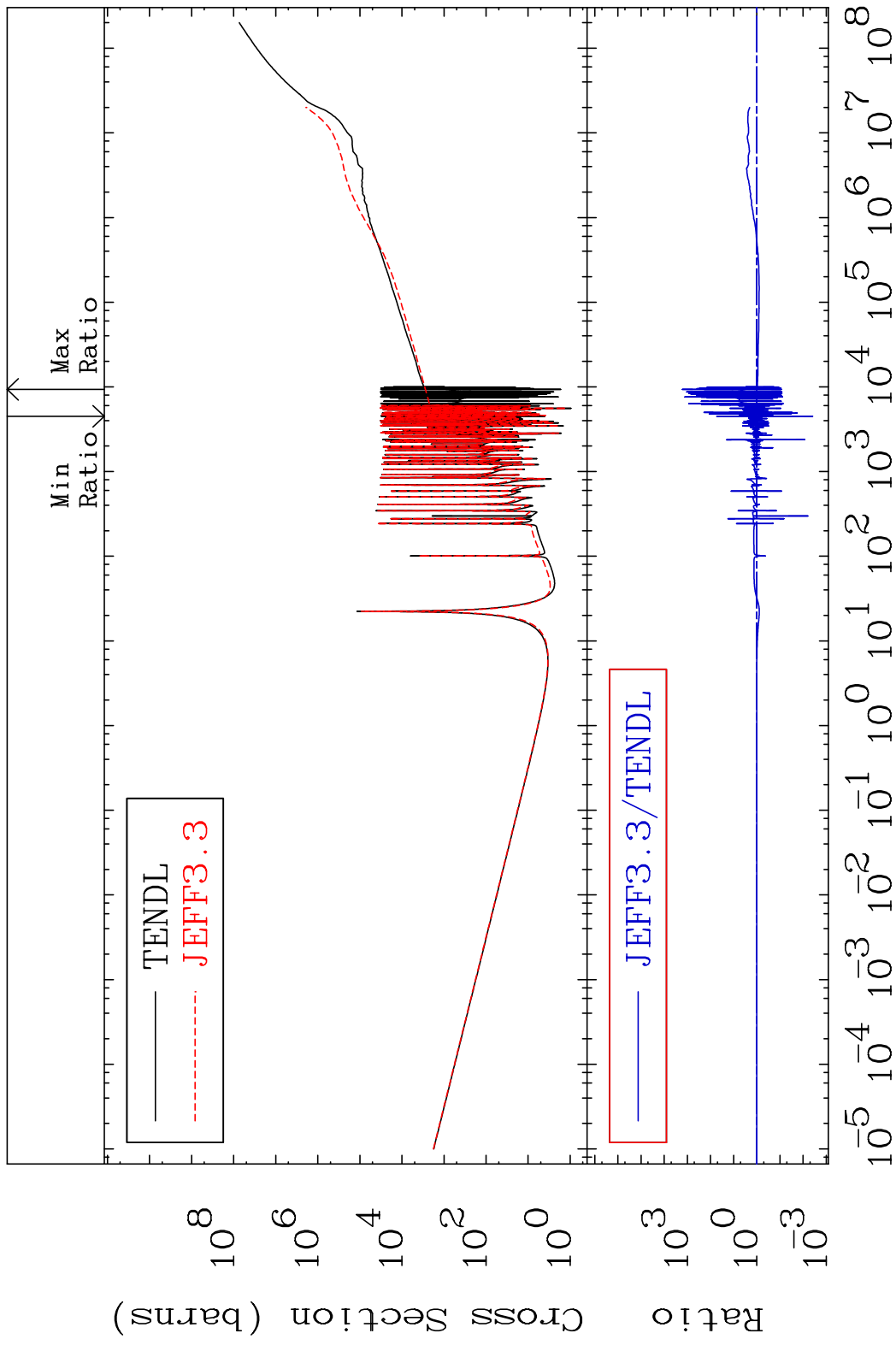
Incident Energy (eV) 64-Gd-158

MAT 6443 Total photon (eV-barns) 64-Gd-158
 Cross Section -99.96 To 9999. %

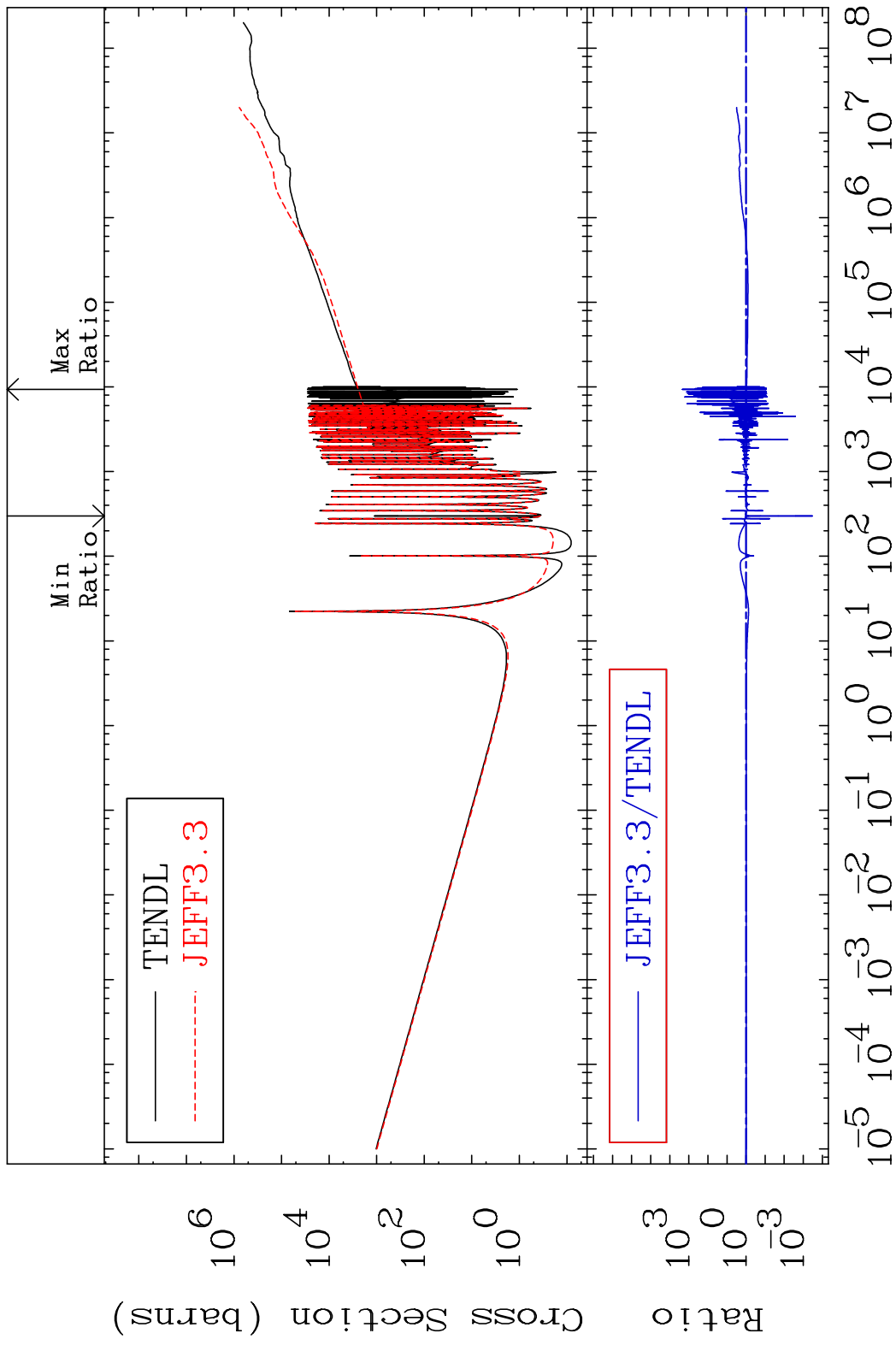


34 Incident Energy (eV) 64-Gd-158

MAT 6443 Total kinematic kerma (high limit) 64-Gd-158
 Cross Section -99.61 To 9999. %



MAT 6443 Dpa total (eV-barns) 64-Gd-158
 Cross Section -99.97 To 9999. %



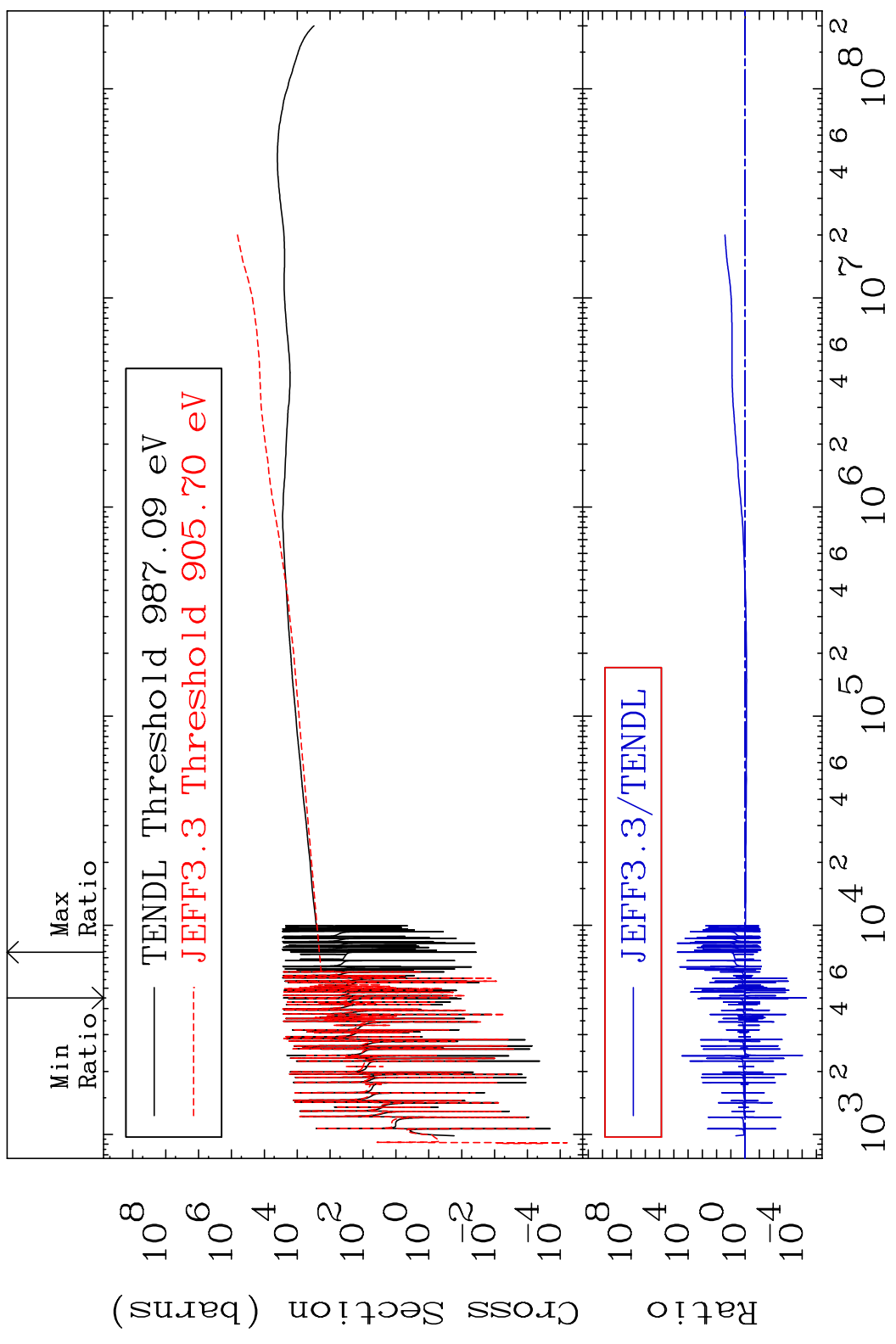
36 Incident Energy (eV) 64-Gd-158

MAT 6443

Dpa elastic (mt2)

64-Gd-158

Cross Section -99.99 To 9999. %

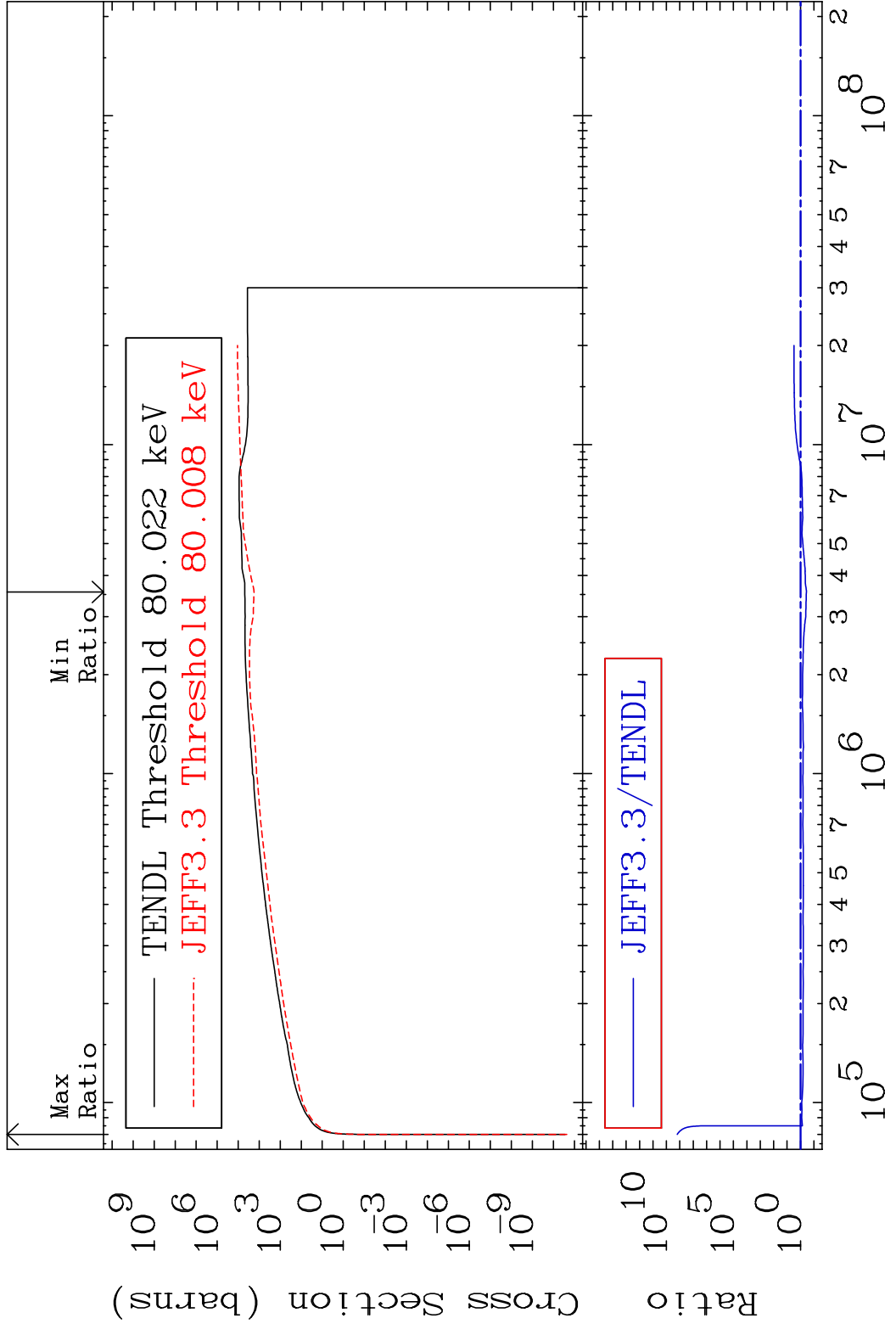


37

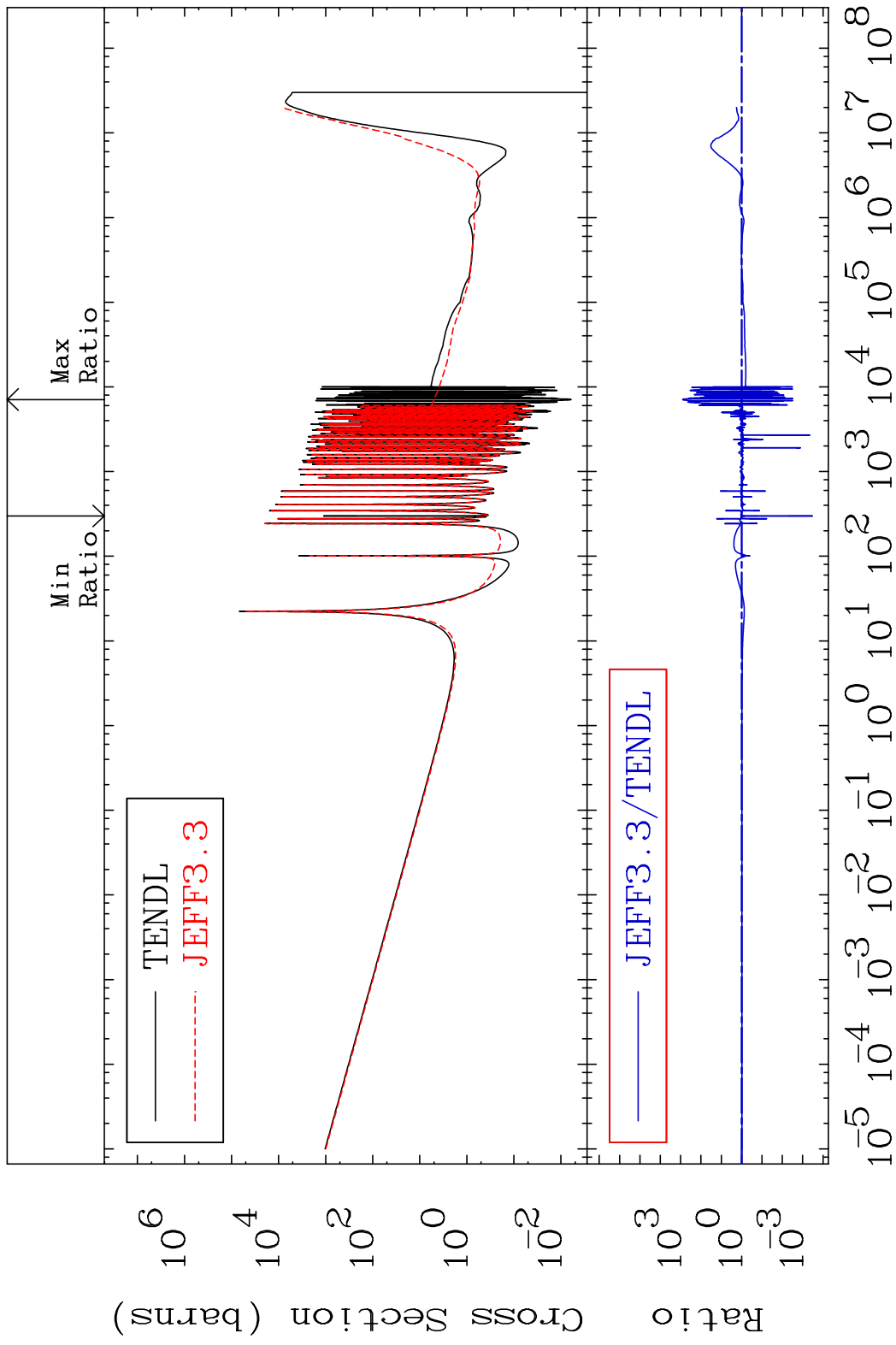
Incident Energy (eV)

64-Gd-158

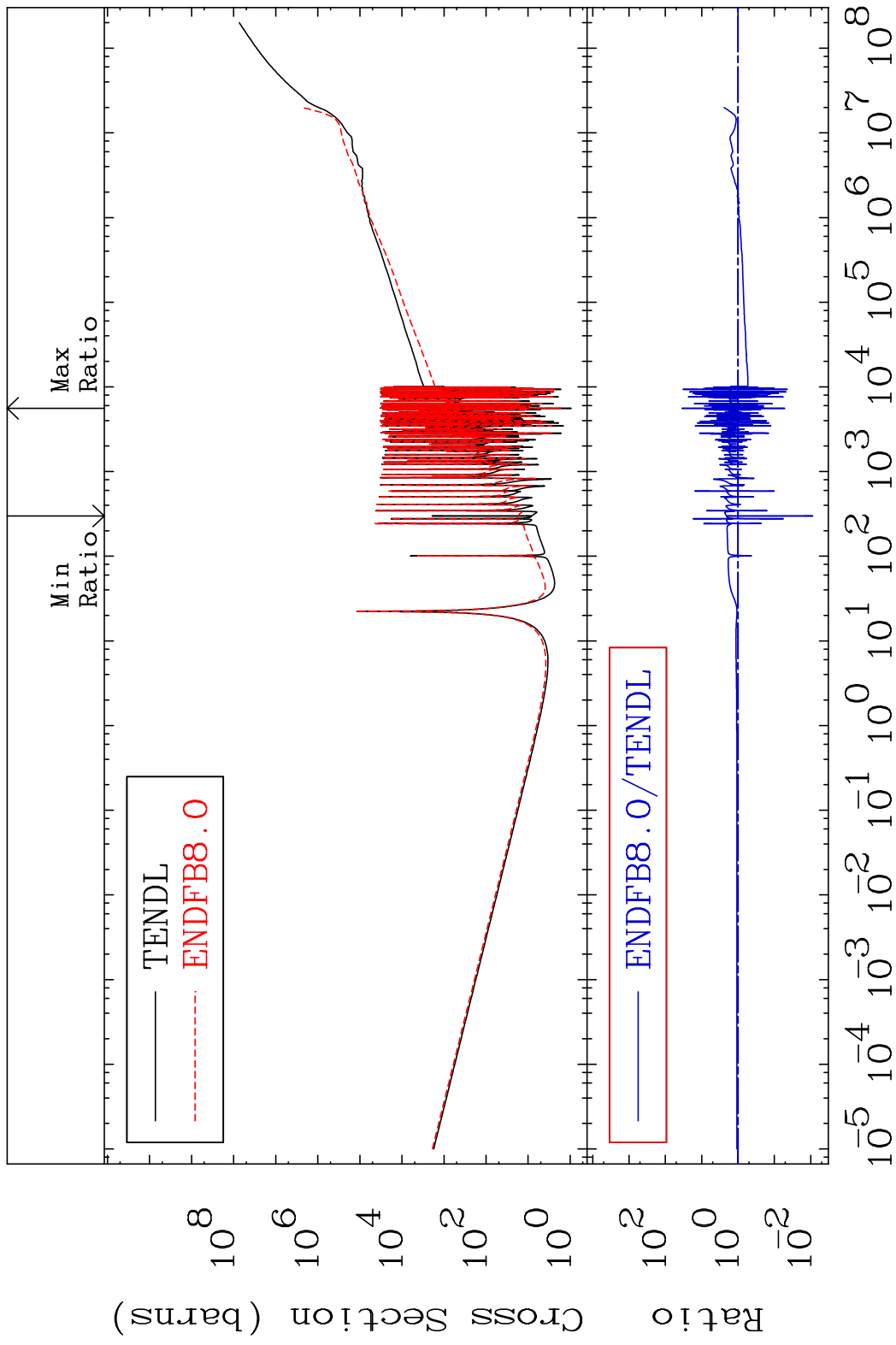
MAT 6443 Dpa inelastic (mt51-91) 64-Gd-158
 Cross Section -63.80 To 9999. %



MAT 6443 Dpa disappearance (mt102 -120) 64-Gd-158
 Cross Section -99.97 To 9999. %

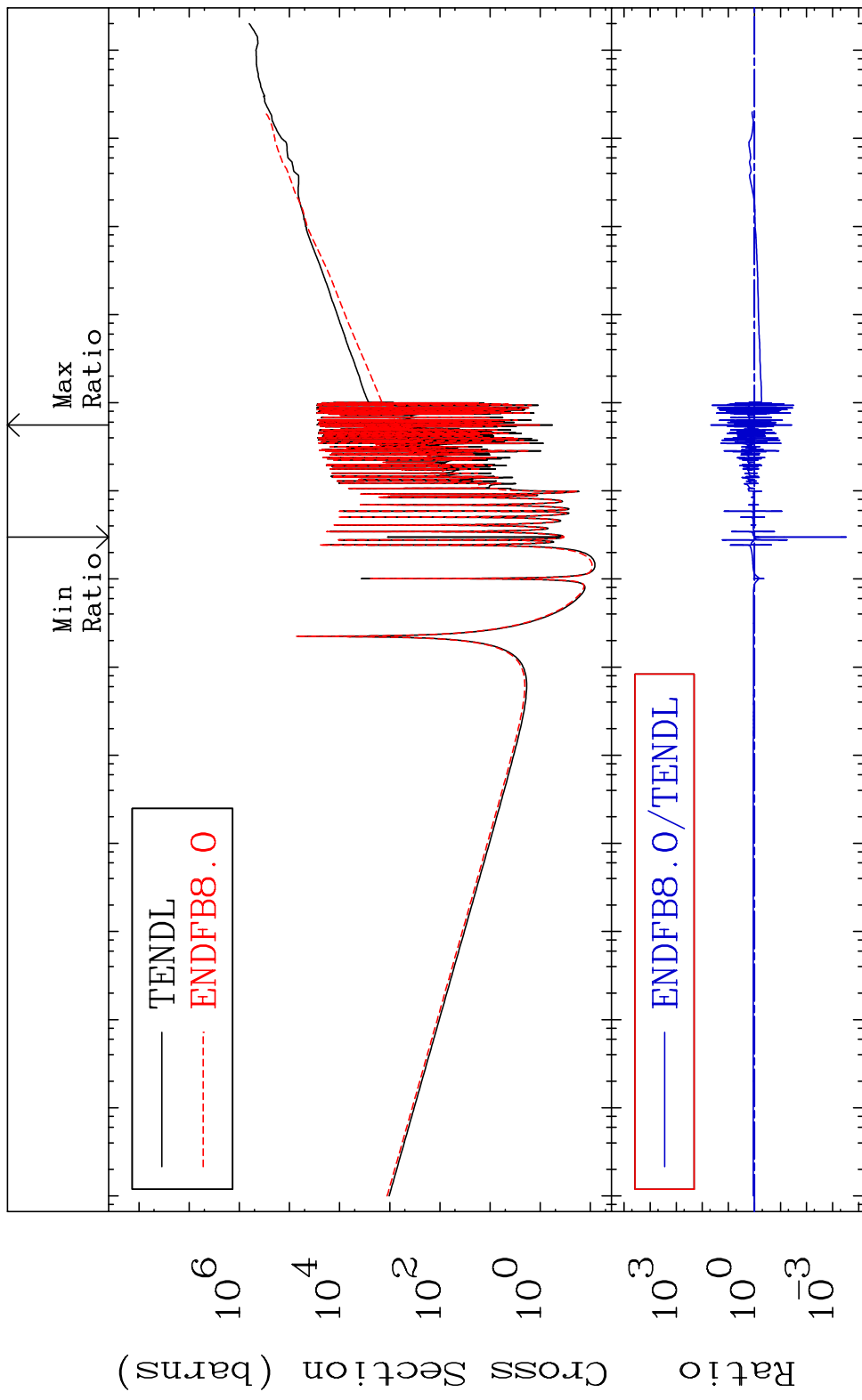


MAT 6443 Total kinematic kerma (high limit) 64-Gd-158
 Cross Section -99.11 To 3305. %



40 Incident Energy (eV) 64-Gd-158

MAT 6443 Dpa total (eV-barns) 64-Gd-158
 Cross Section -99.97 To 4644. %

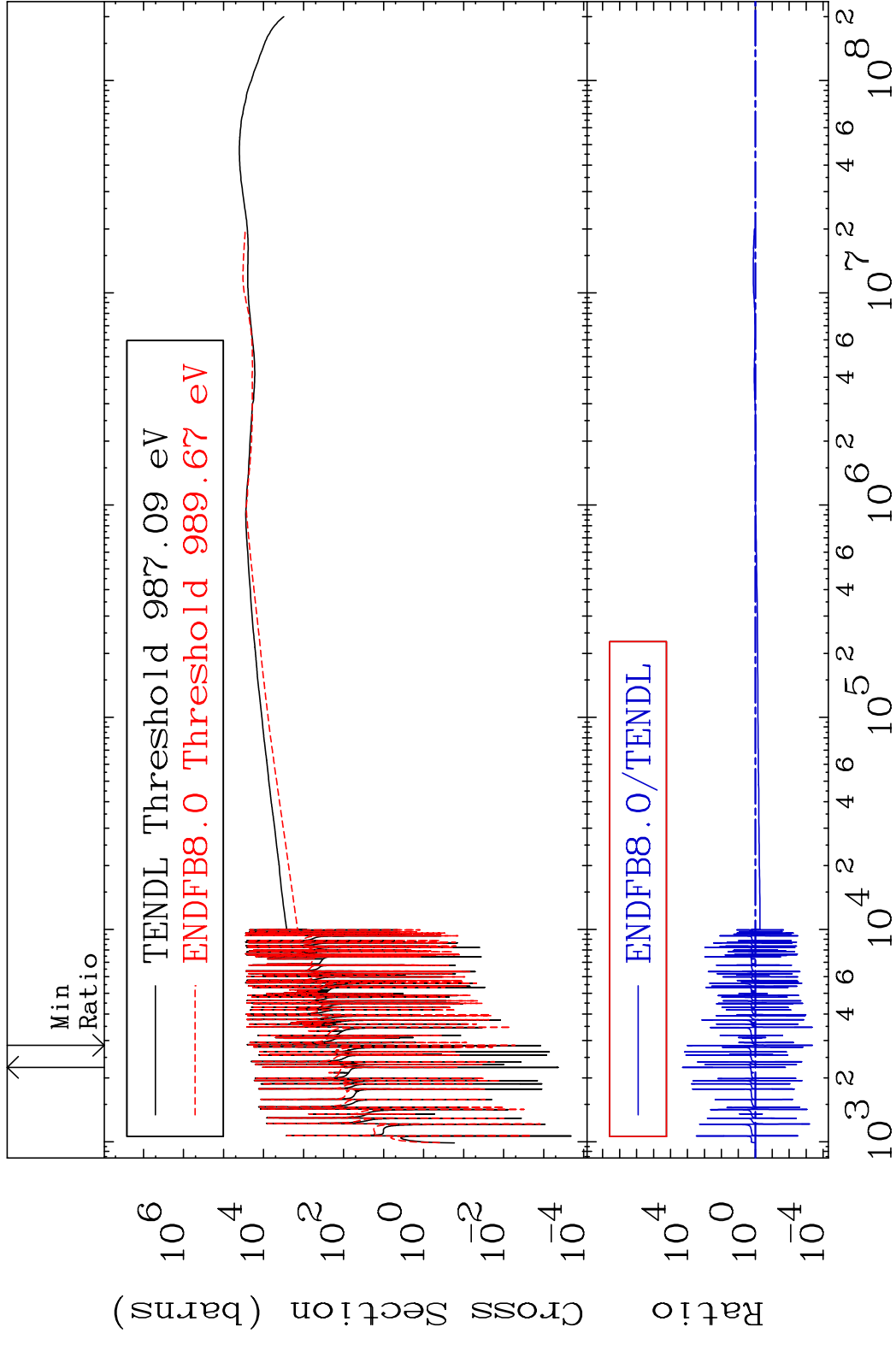


MAT 6443

Dpa elastic (mt2)

64-Gd-158

Cross Section -99.96 To 9999. %



42

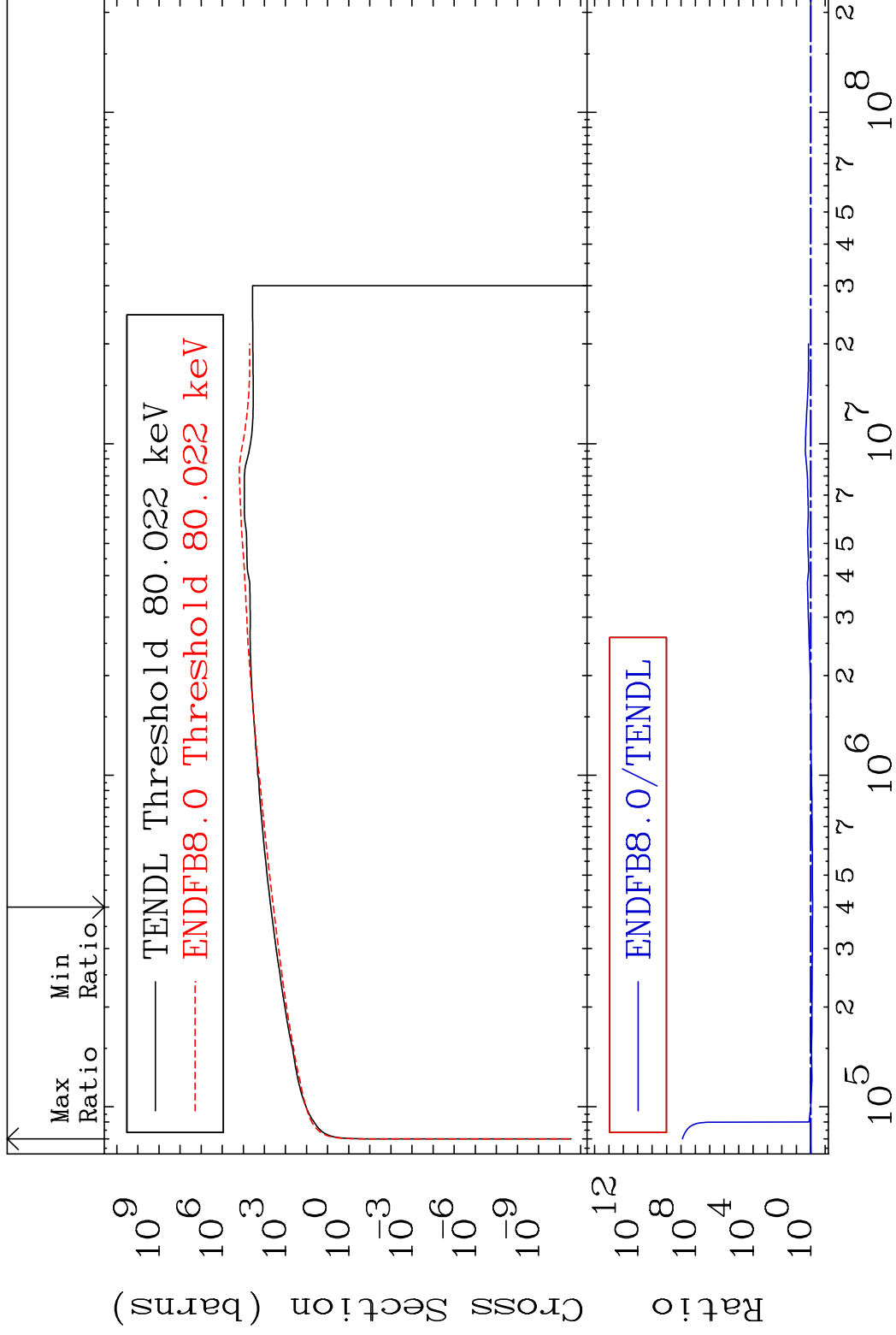
Incident Energy (eV)

64-Gd-158

MAT 6443

Dpa inelastic (mt51-91) 64-Gd-158

Cross Section -25.08 To 9999. %



43

Incident Energy (eV)

64-Gd-158

MAT 6443 Dpa disappearance (mt102 -120) 64-Gd-158
 Cross Section -99.97 To 1610. %

