

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

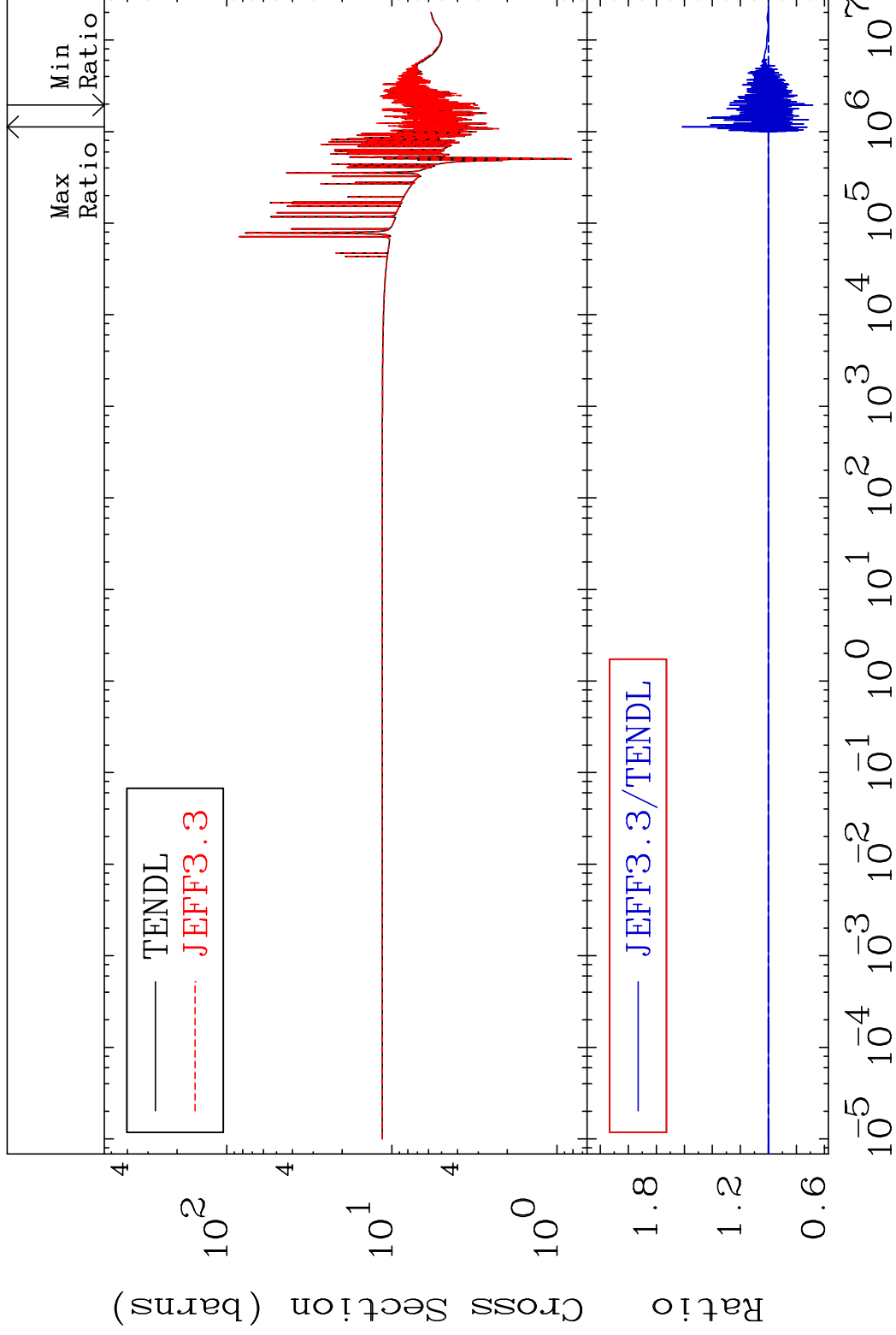
MAT 8237

Total

82-Pb-208

Cross Section

-31.51 To 61.43 %



1

Incident Energy (eV)

82-Pb-208

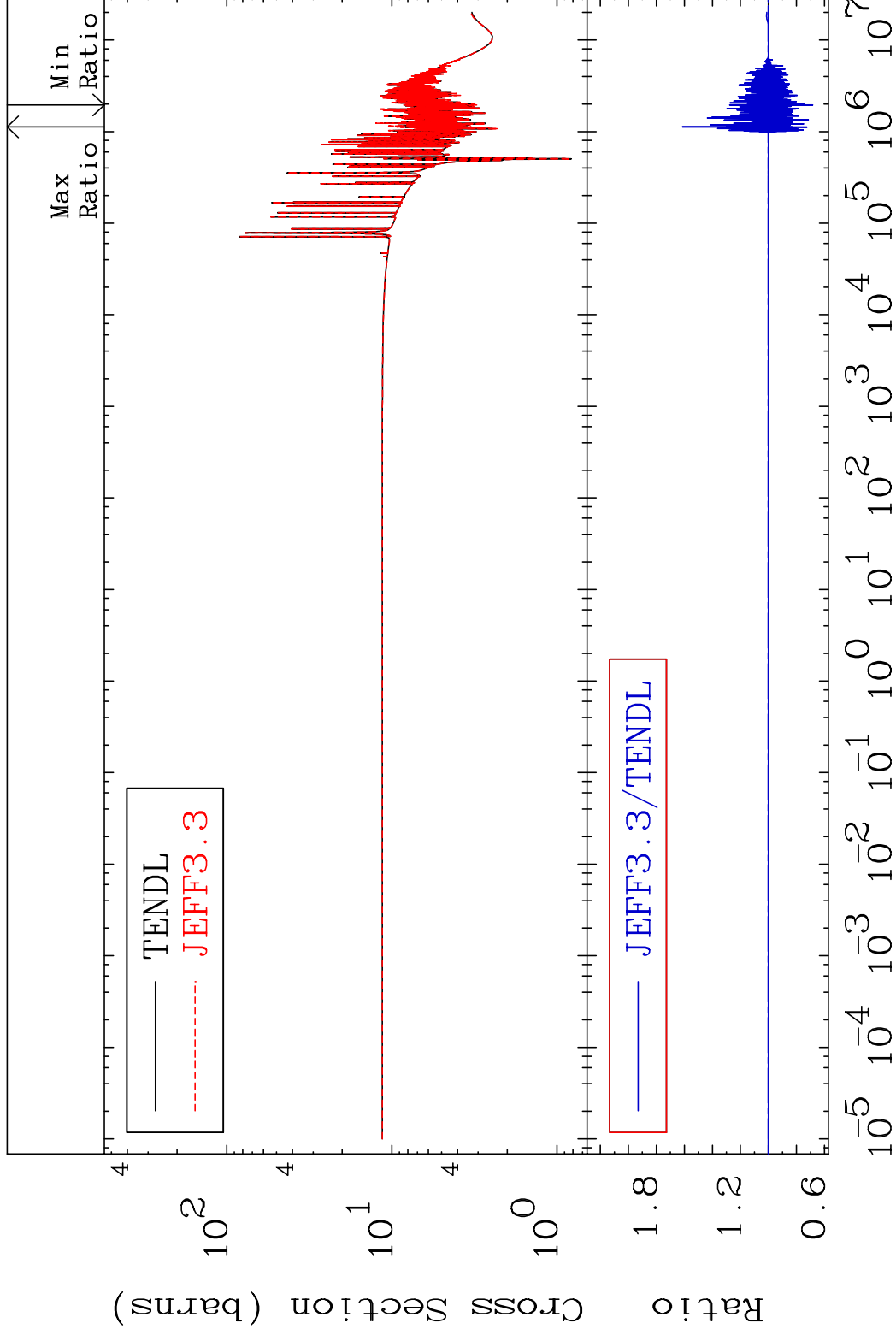
MAT 8237

Elastic

82-Pb-208

Cross Section

-31.50 To 61.45 %



2

Incident Energy (eV)

82-Pb-208

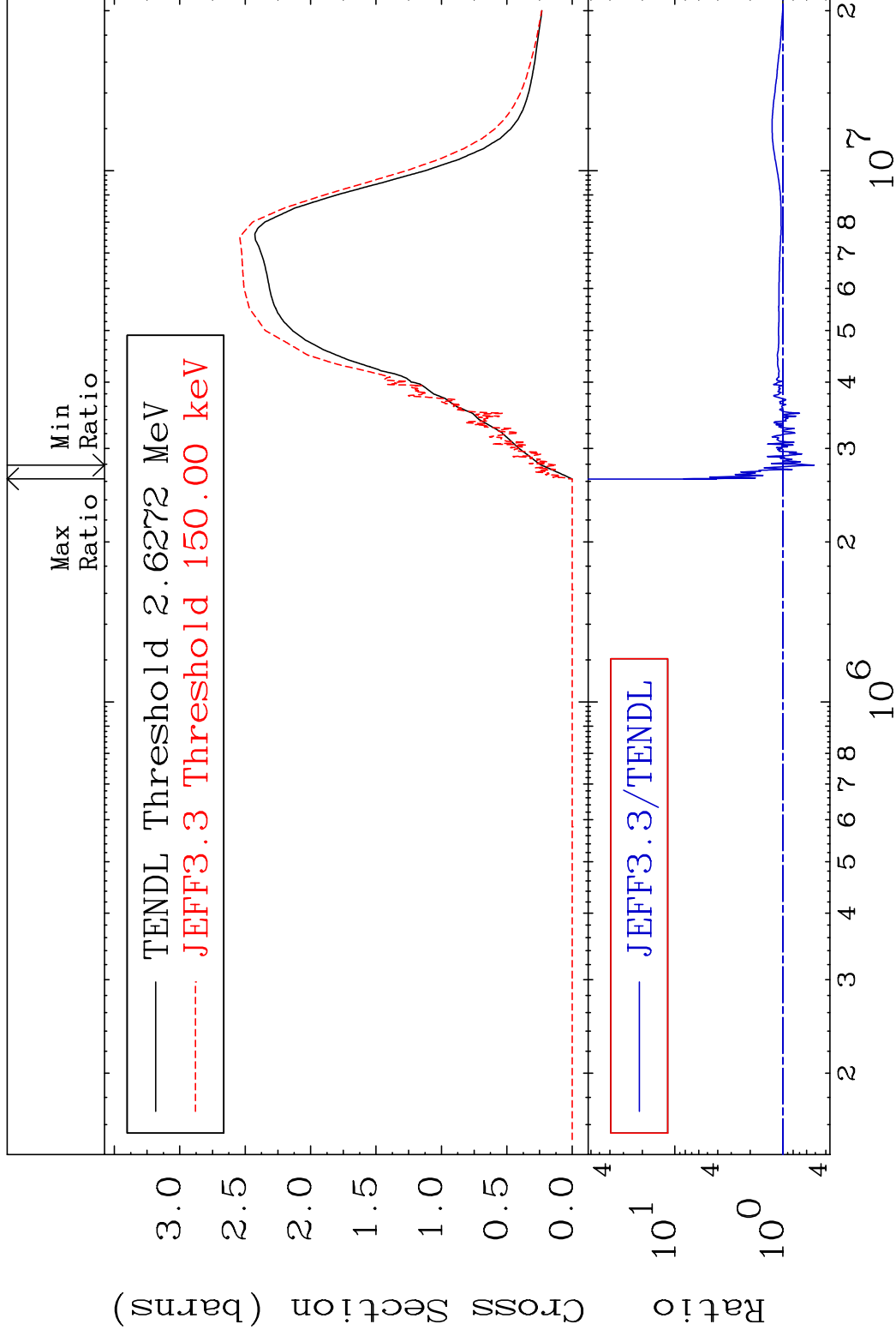
MAT 8237

Inelastic

82-Pb-208

Cross Section

-48.77 To 729.1 %



3

Incident Energy (eV)

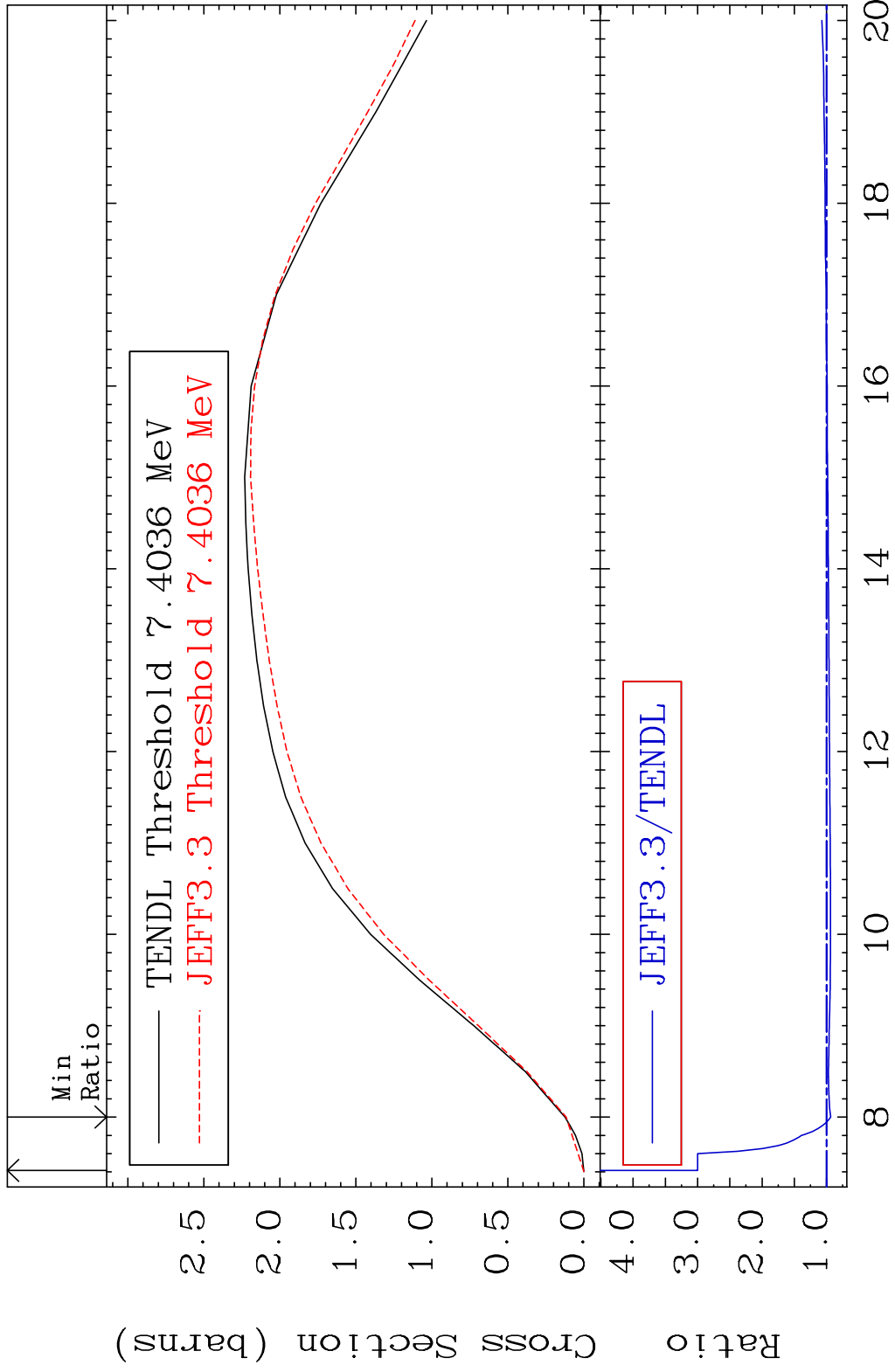
82-Pb-208

MAT 8237

(n,2n)

82-Pb-208

Cross Section -6.398 To 200.0 %



4

Incident Energy (MeV)

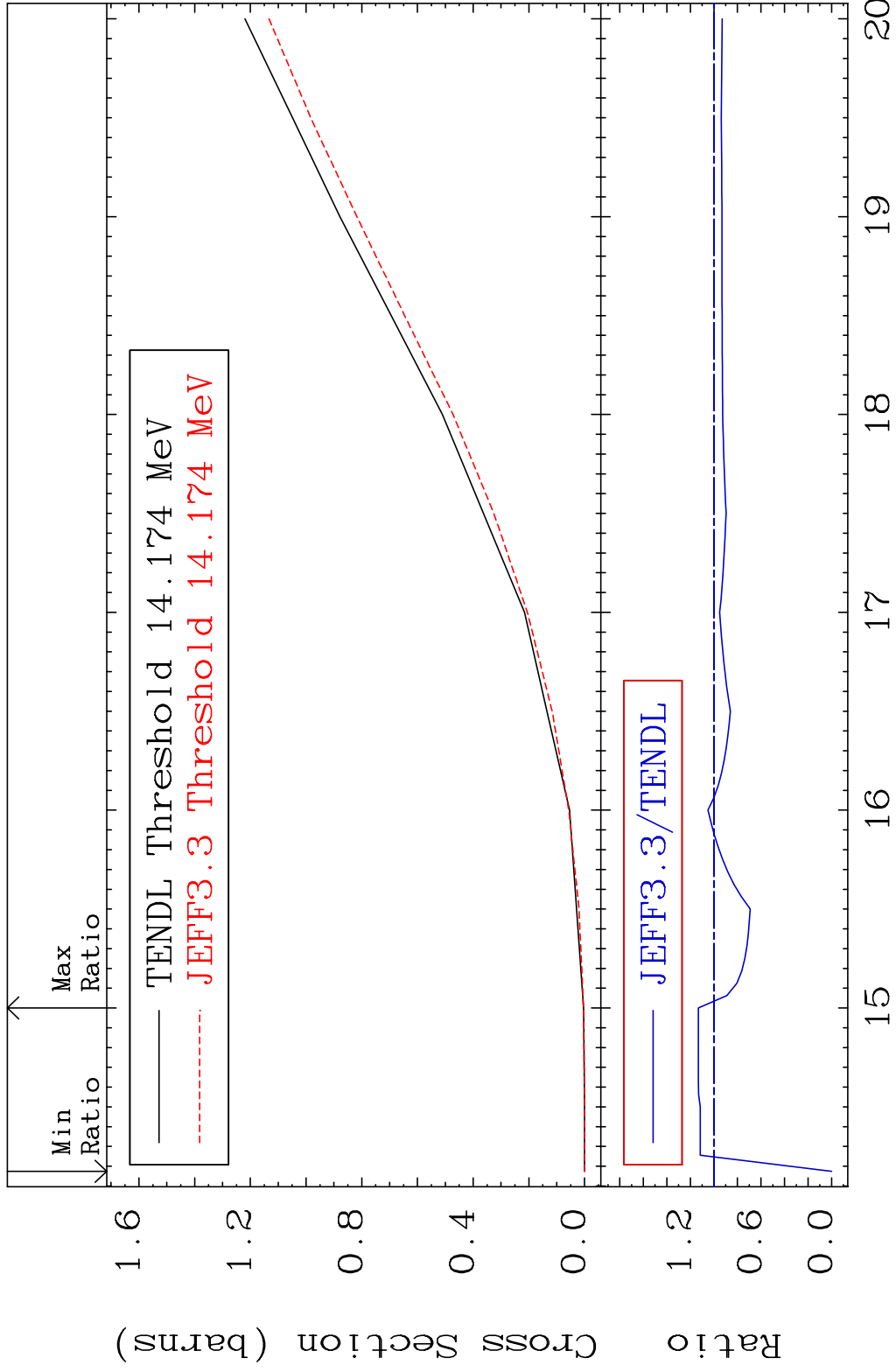
82-Pb-208

MAT 8237

(n,3n)

82-Pb-208

Cross Section -100.0 To 13.22 %



5

Incident Energy (MeV)

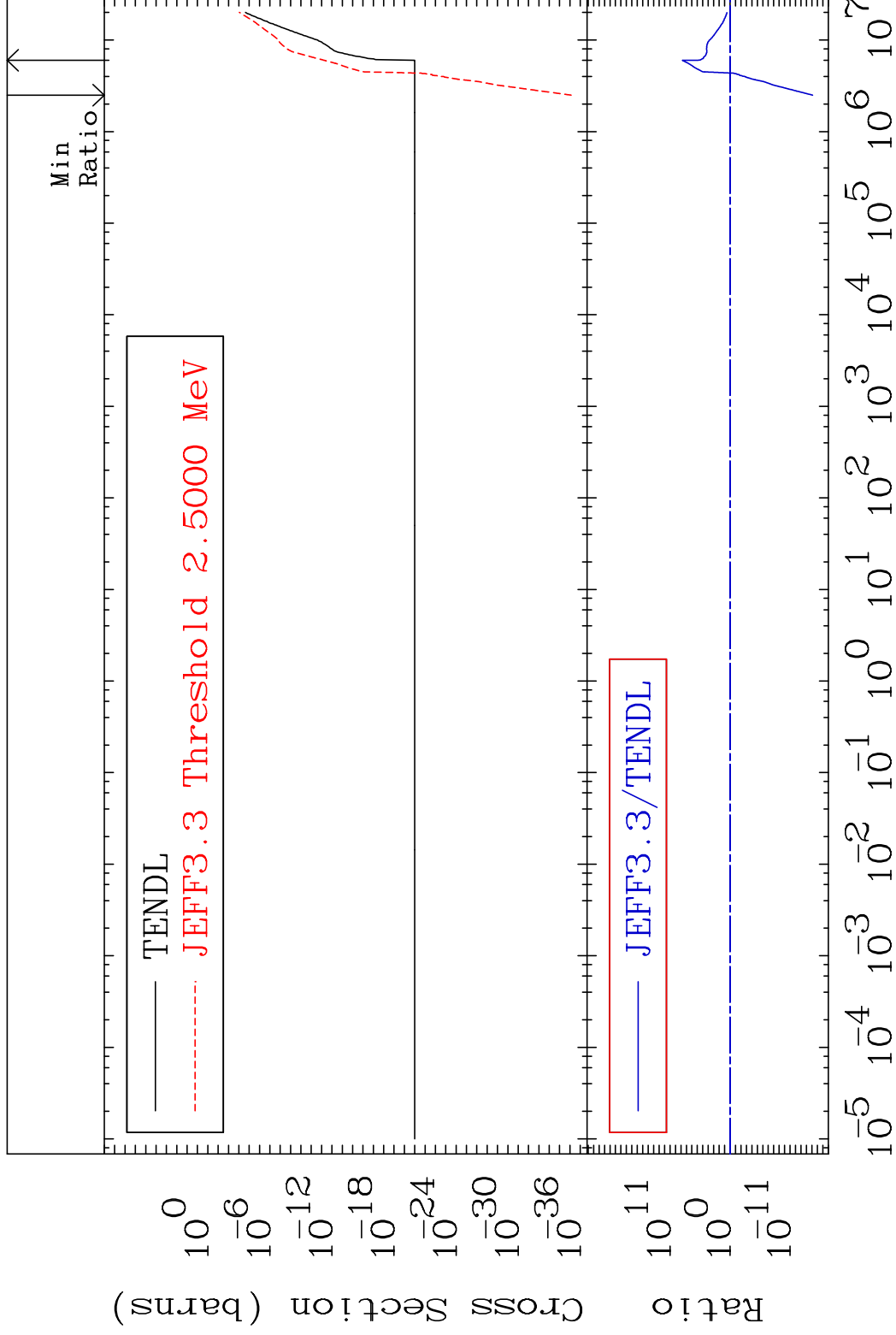
82-Pb-208

MAT 8237

(n, n') α

82-Pb-208

Cross Section -100.0 To 9999. %

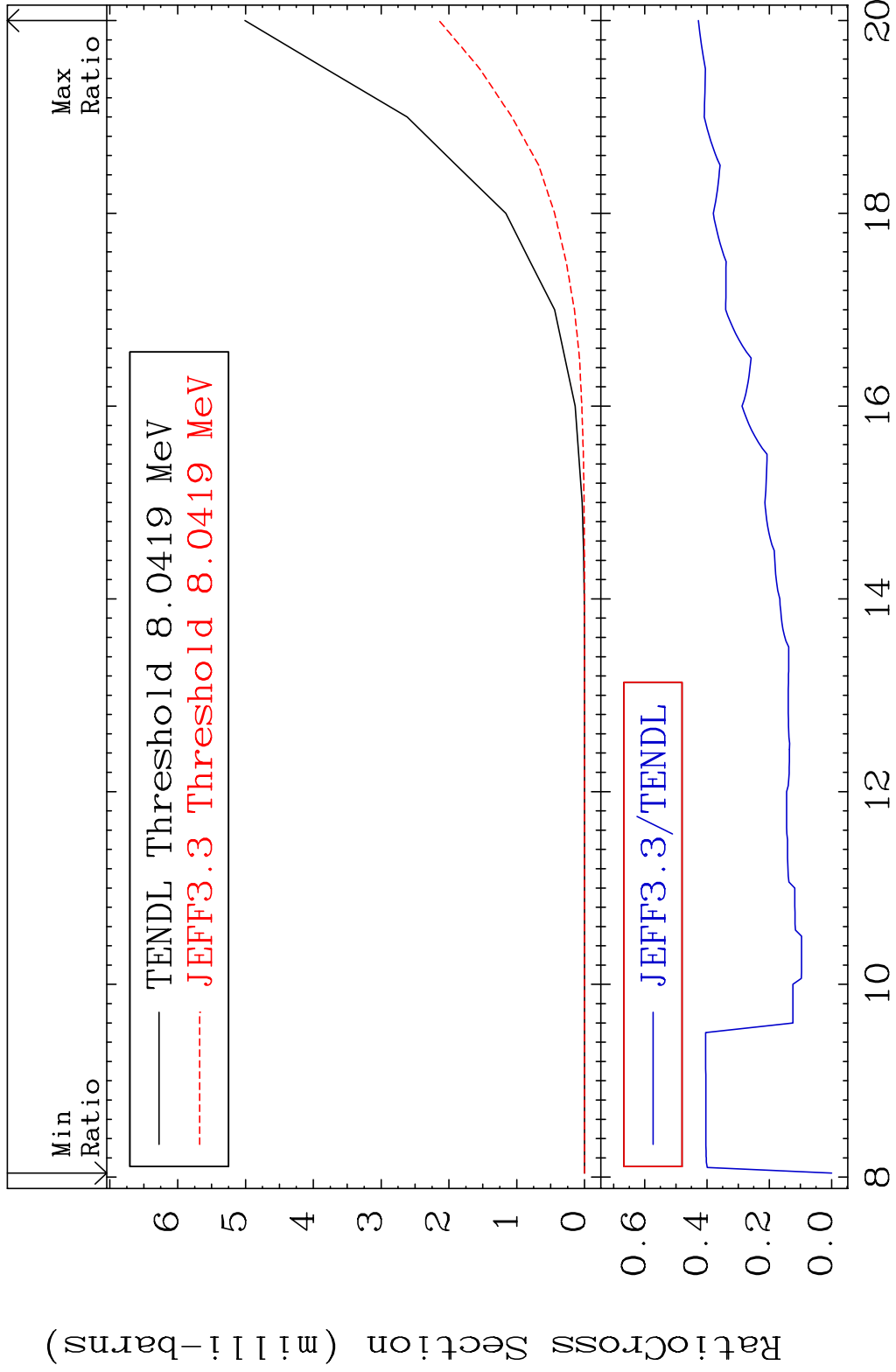


MAT 8237

(n, n') p

82-Pb-208

Cross Section -100.0 To -57.20%

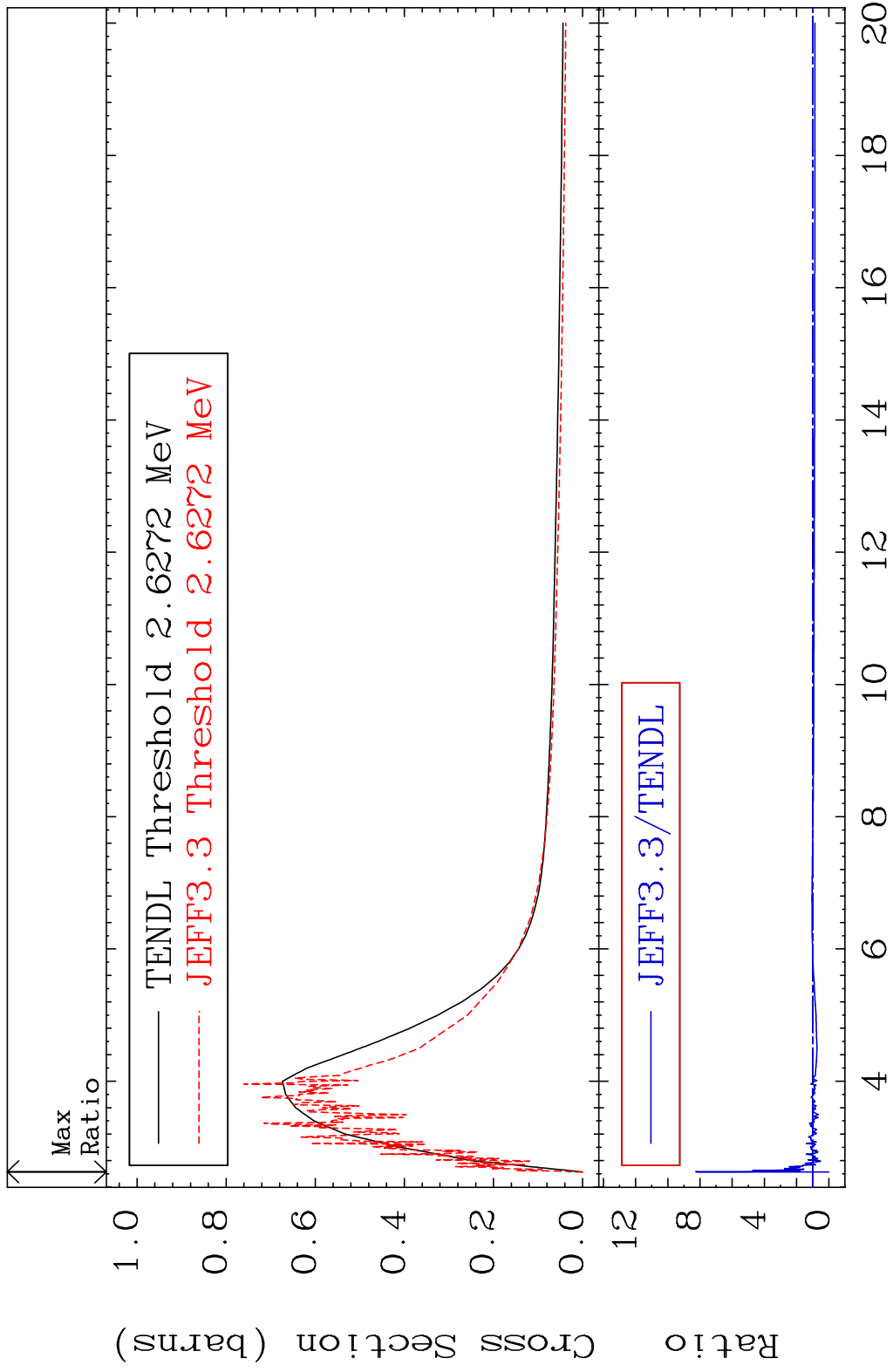


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Incident Energy (MeV)

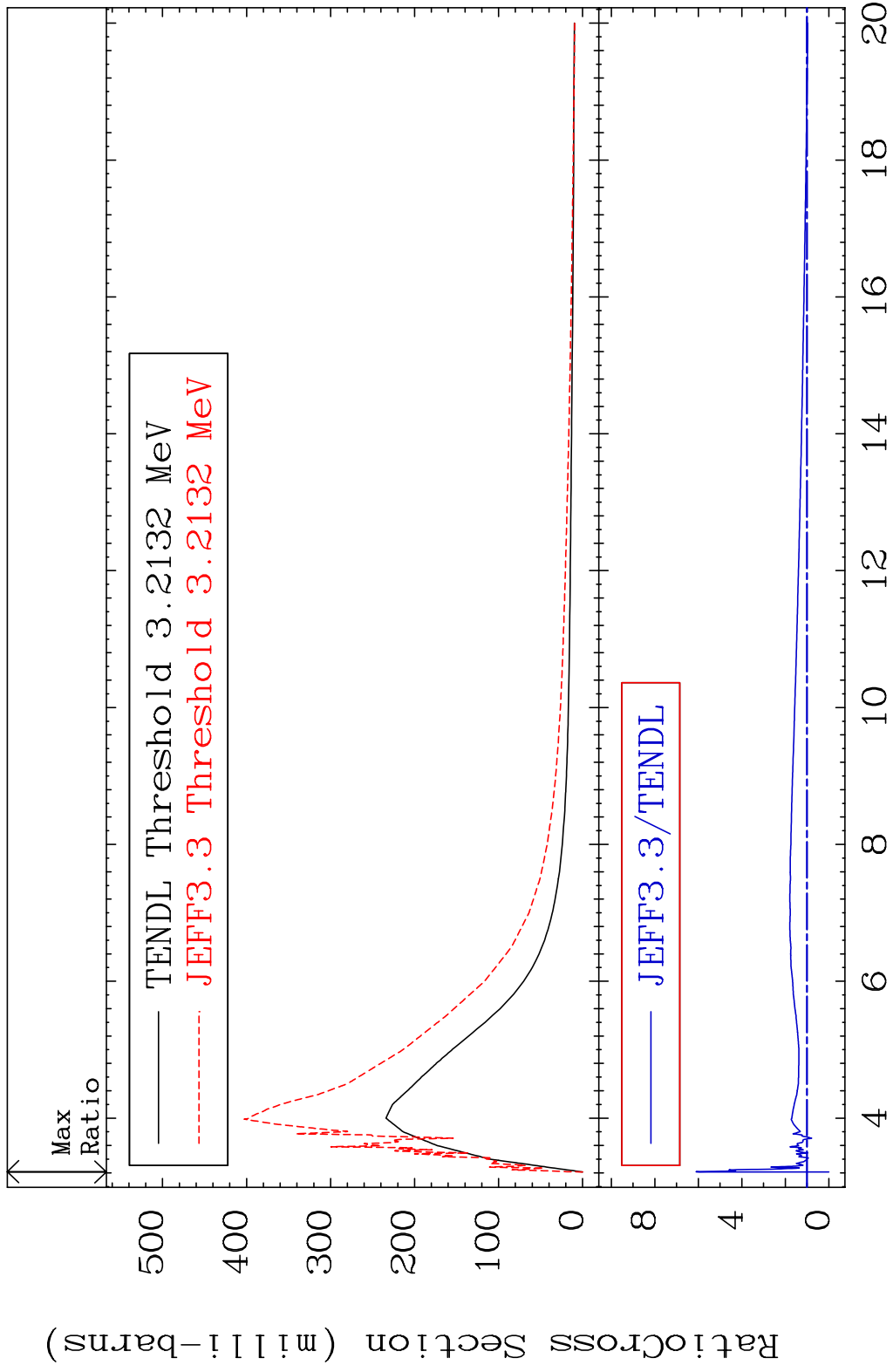
82-Pb-208

MAT 8237 MT= 51 (n, n') Level 82-Pb-208
 Cross Section -100.0 To 724.9 %



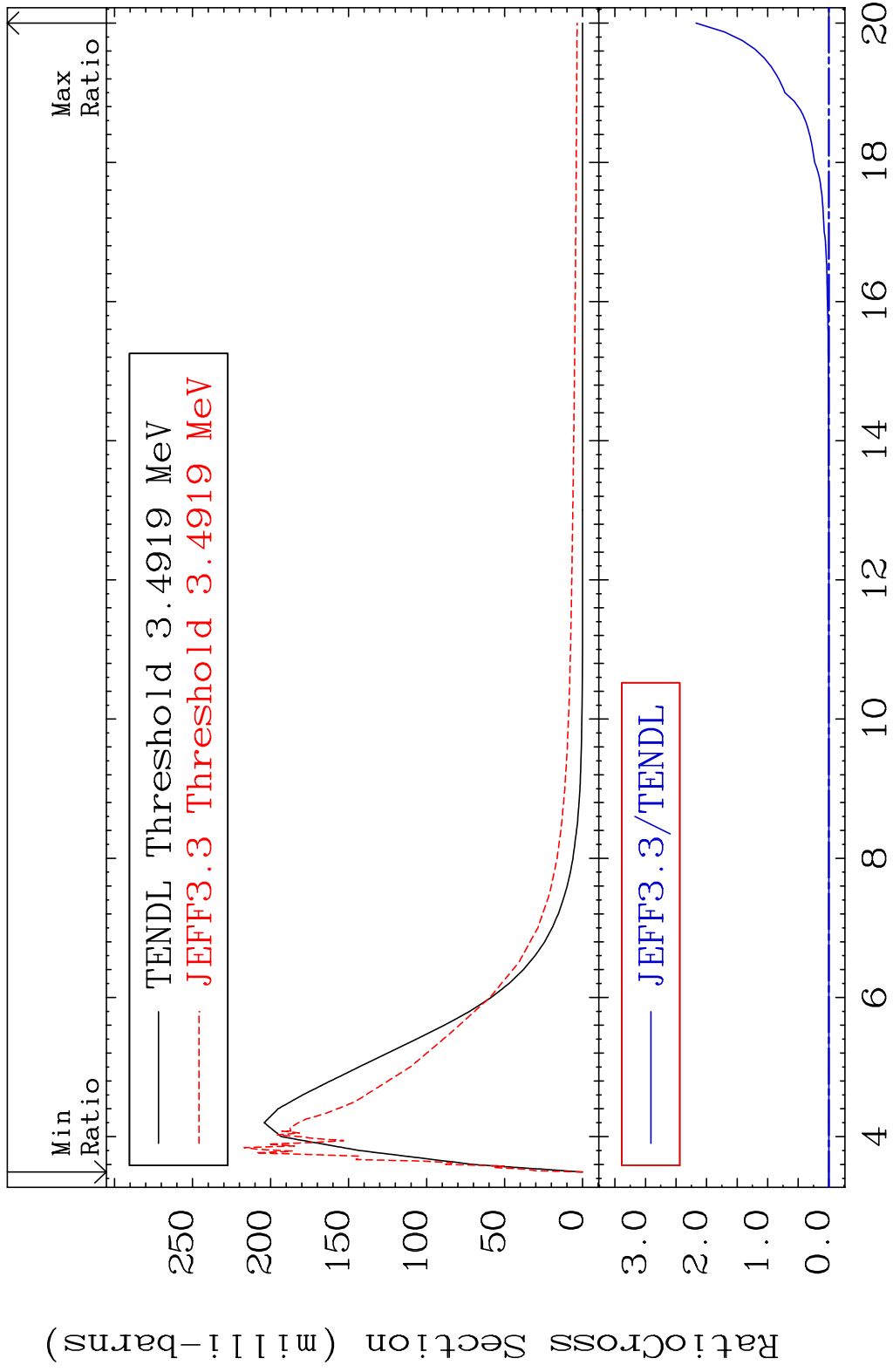
8 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 52 (n, n') Level 82-Pb-208
 Cross Section -100.0 To 510.7 %



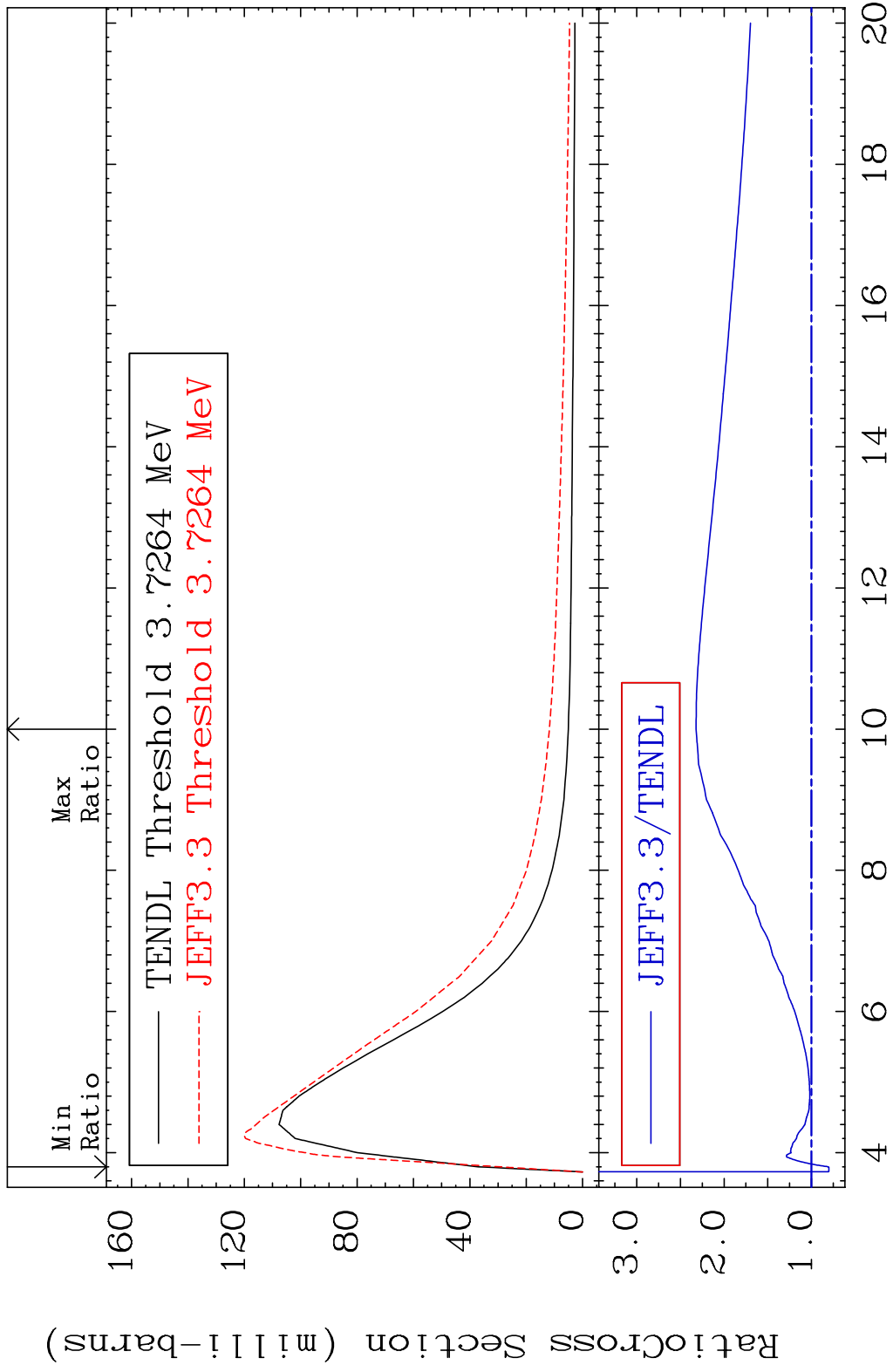
9 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 53 (n, n') Level 82-Pb-208
 Cross Section -100.0 To 9999. %



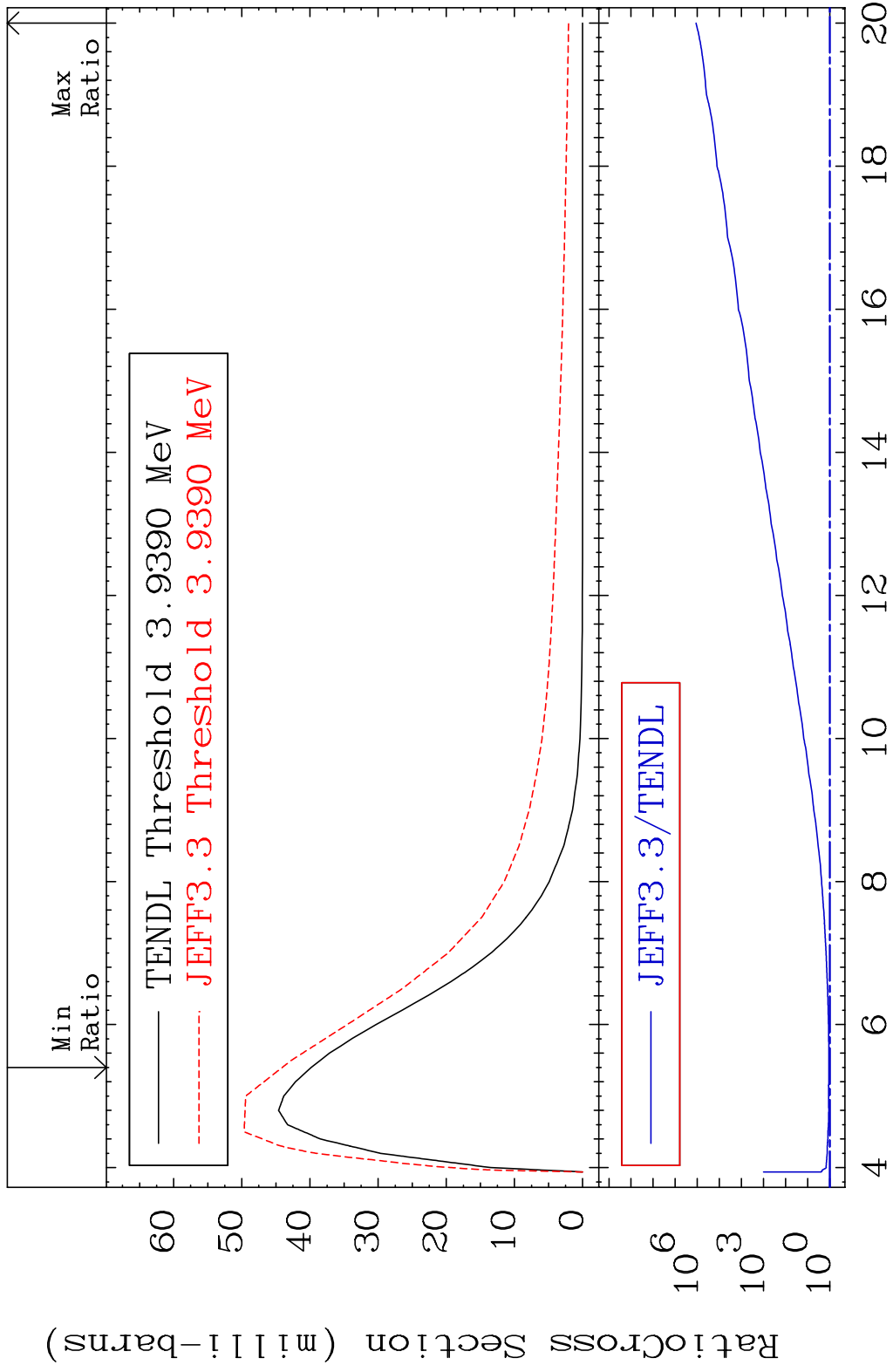
10 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 54 (n, n') Level 82-Pb-208
 Cross Section -19.81 To 132.1 %



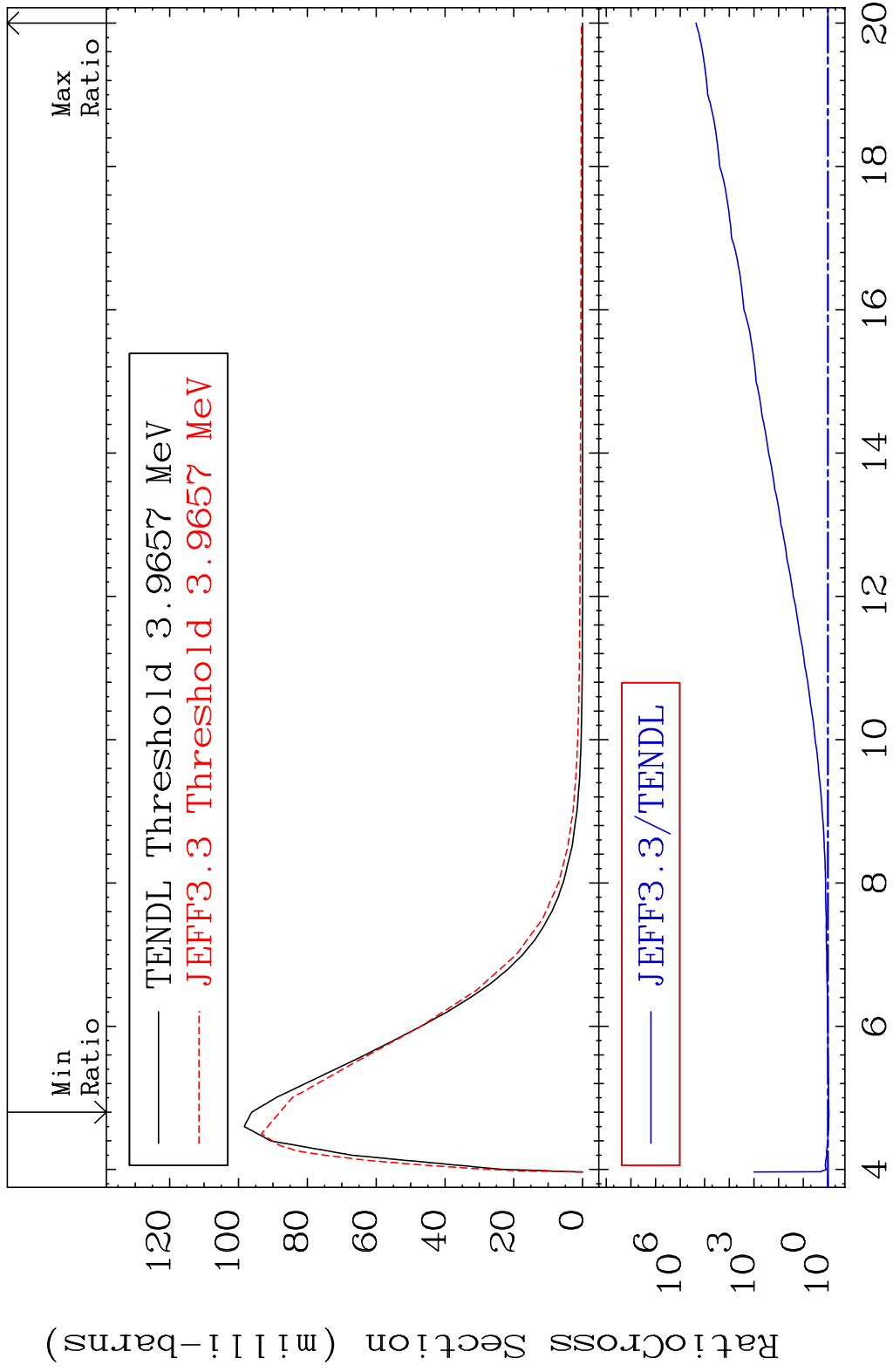
11 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 55 (n, n') Level 82-Pb-208
 Cross Section 10.59 To 9999. %



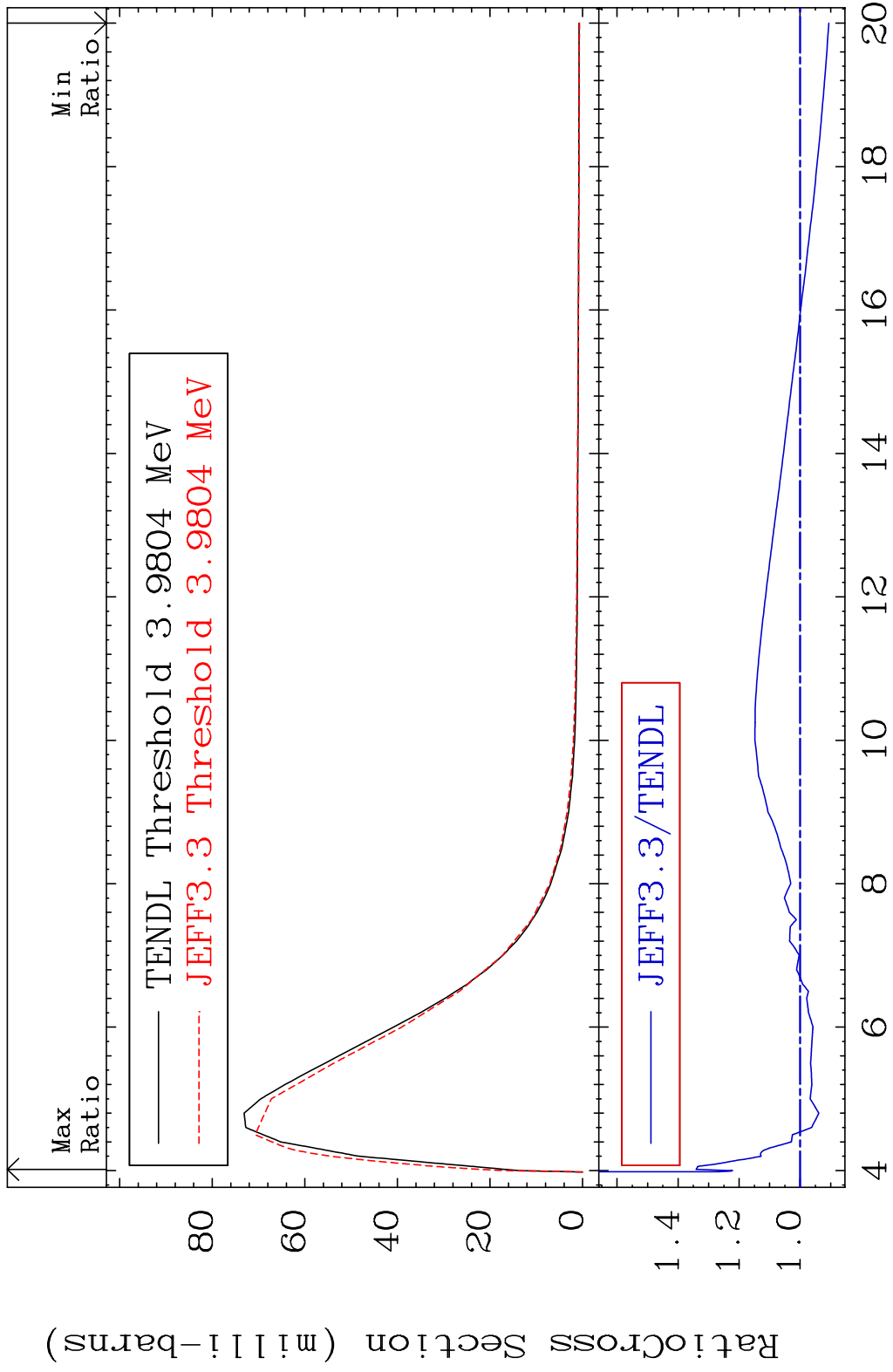
12 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 56 (n, n') Level 82-Pb-208
 Cross Section -8.520 To 9999. %



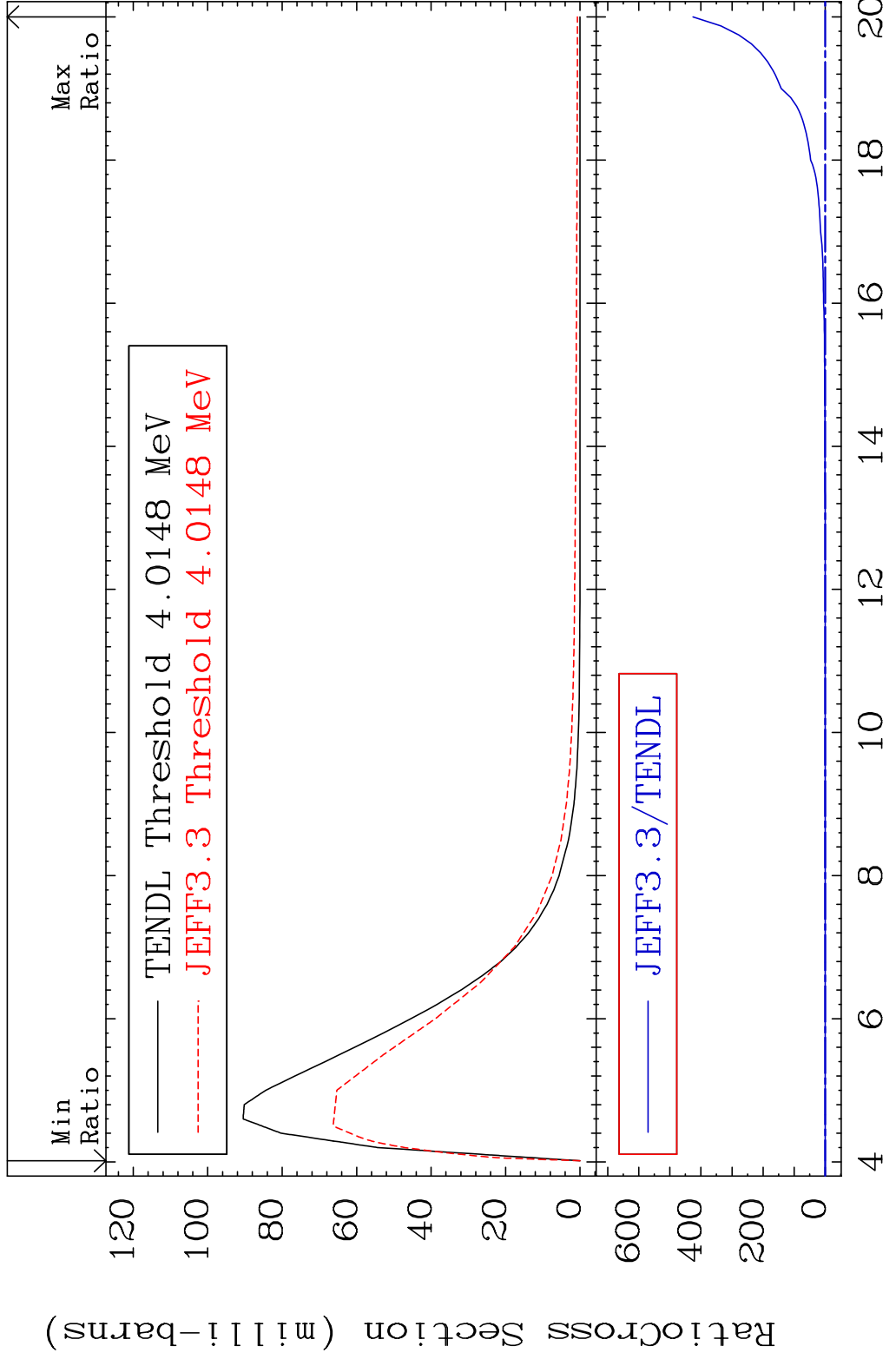
13 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 57 (n, n') Level 82-Pb-208
 Cross Section -9.404 To 34.13 %



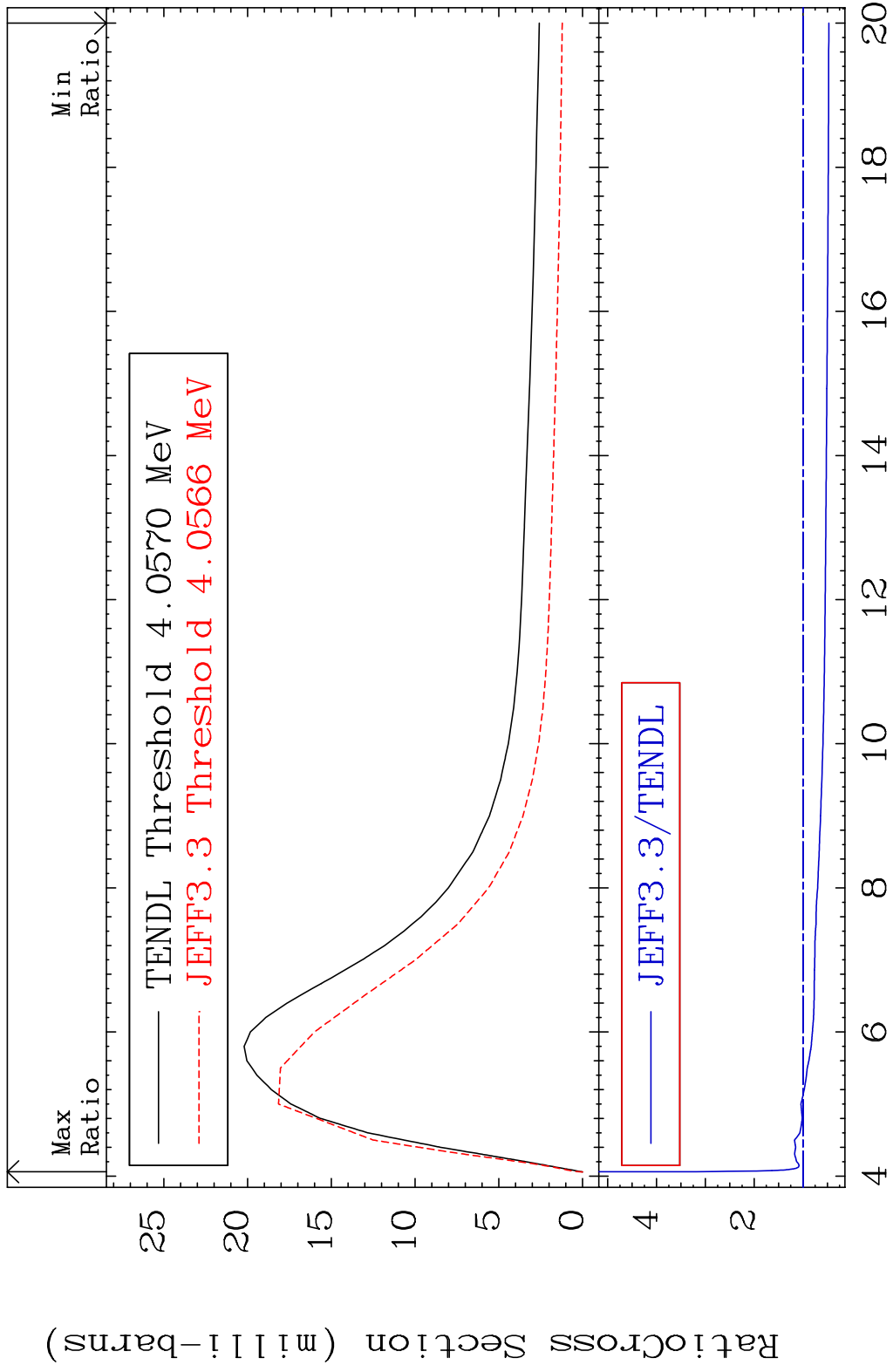
14 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 58 (n,n') Level 82-Pb-208
 Cross Section -100.0 To 9999. %



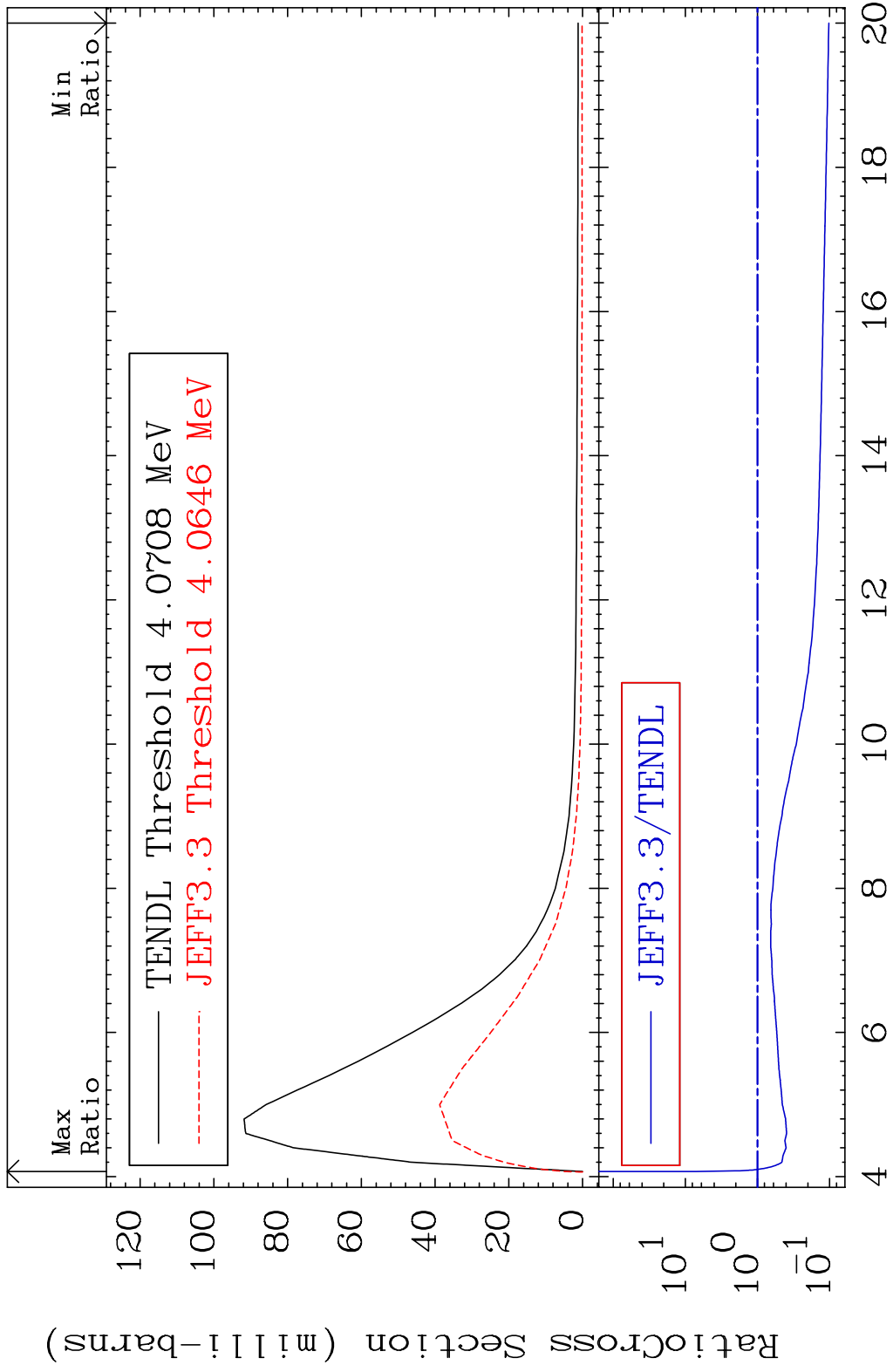
15 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 59 (n, n') Level 82-Pb-208
Cross Section -52.85 To 219.2 %



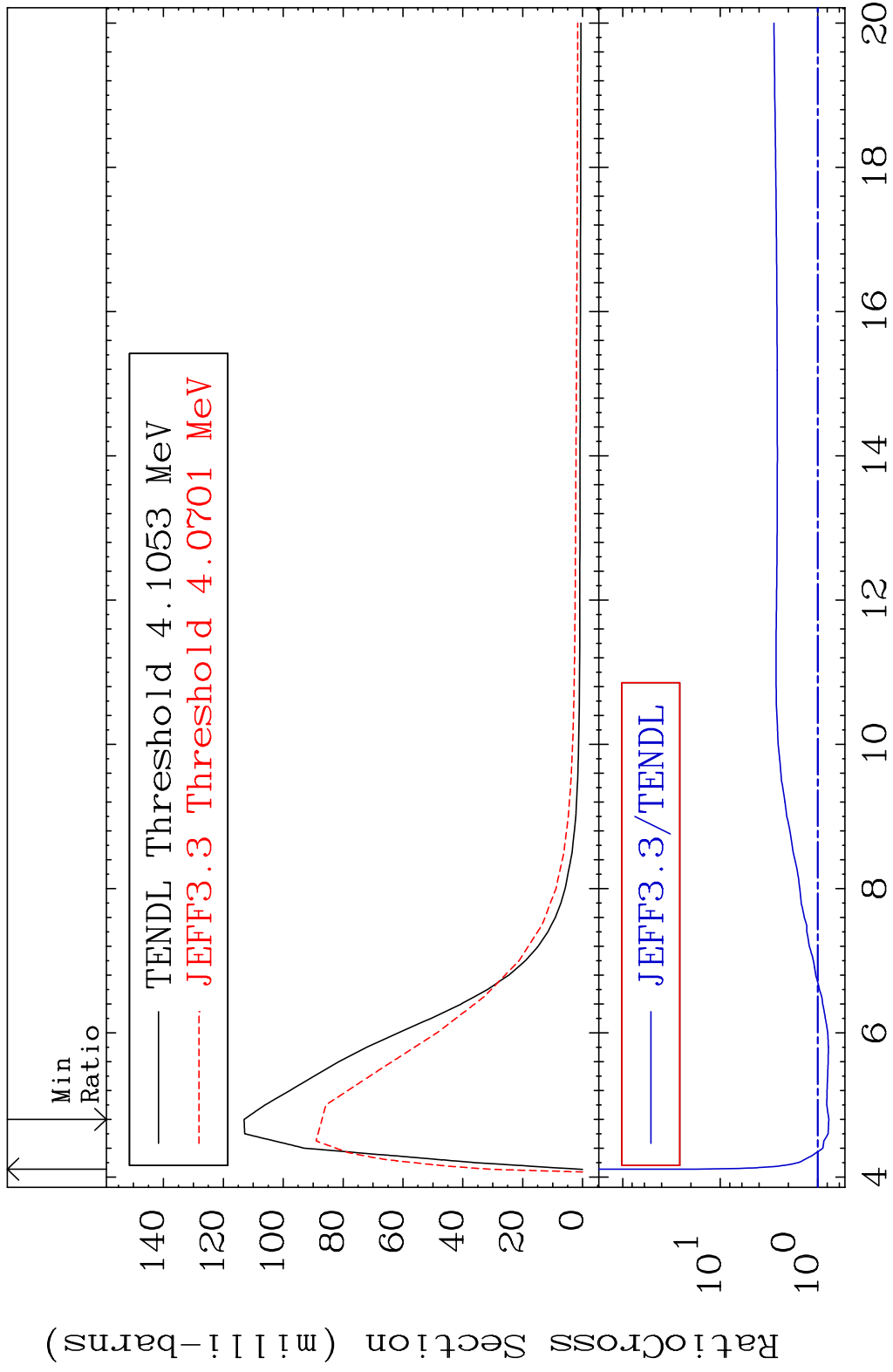
16 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 60 (n, n') Level 82-Pb-208
 Cross Section -89.76 To 612.4 %



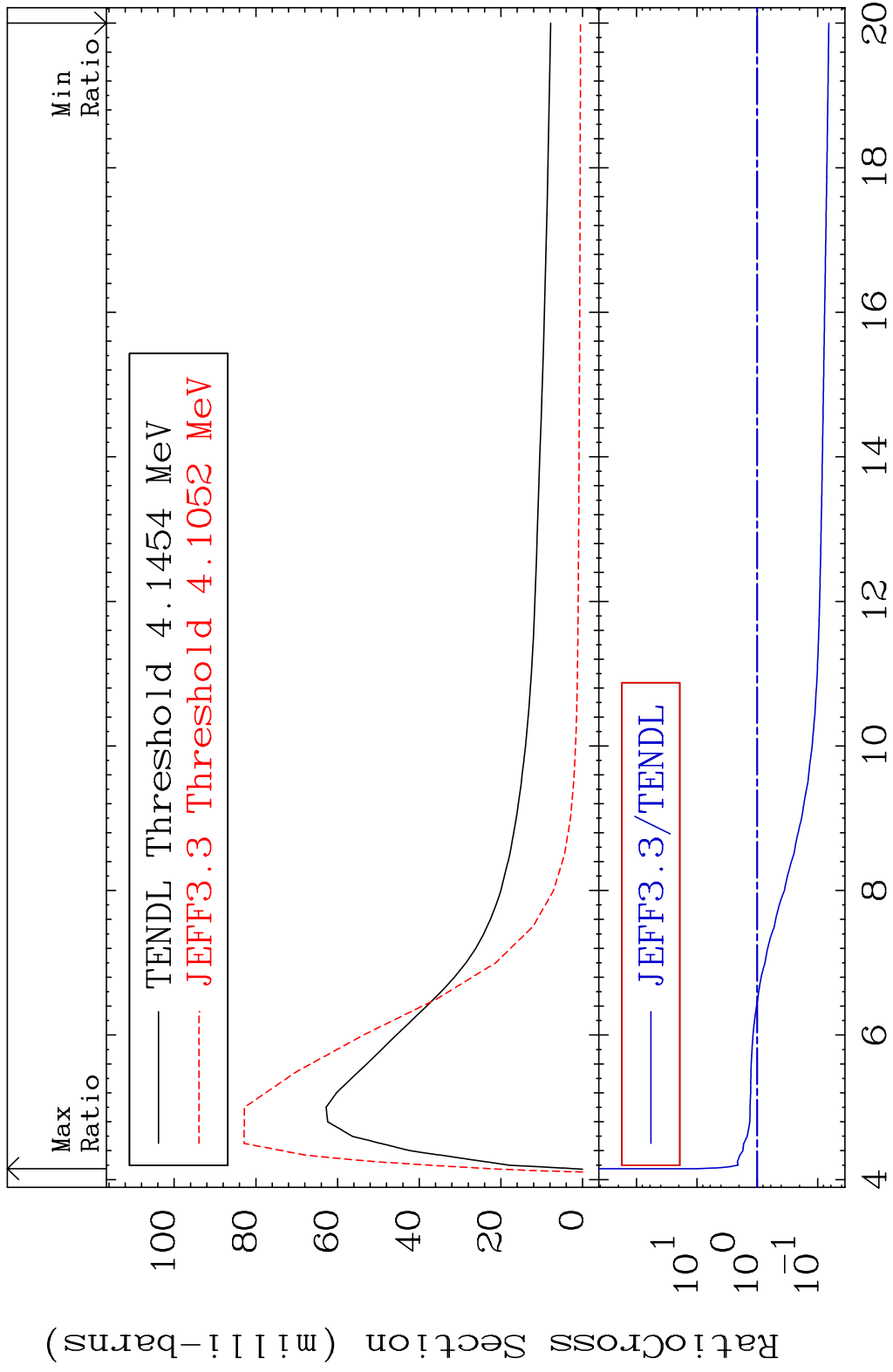
17 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 61 (n, n') Level 82-Pb-208
 Cross Section -23.00 To 1672. %



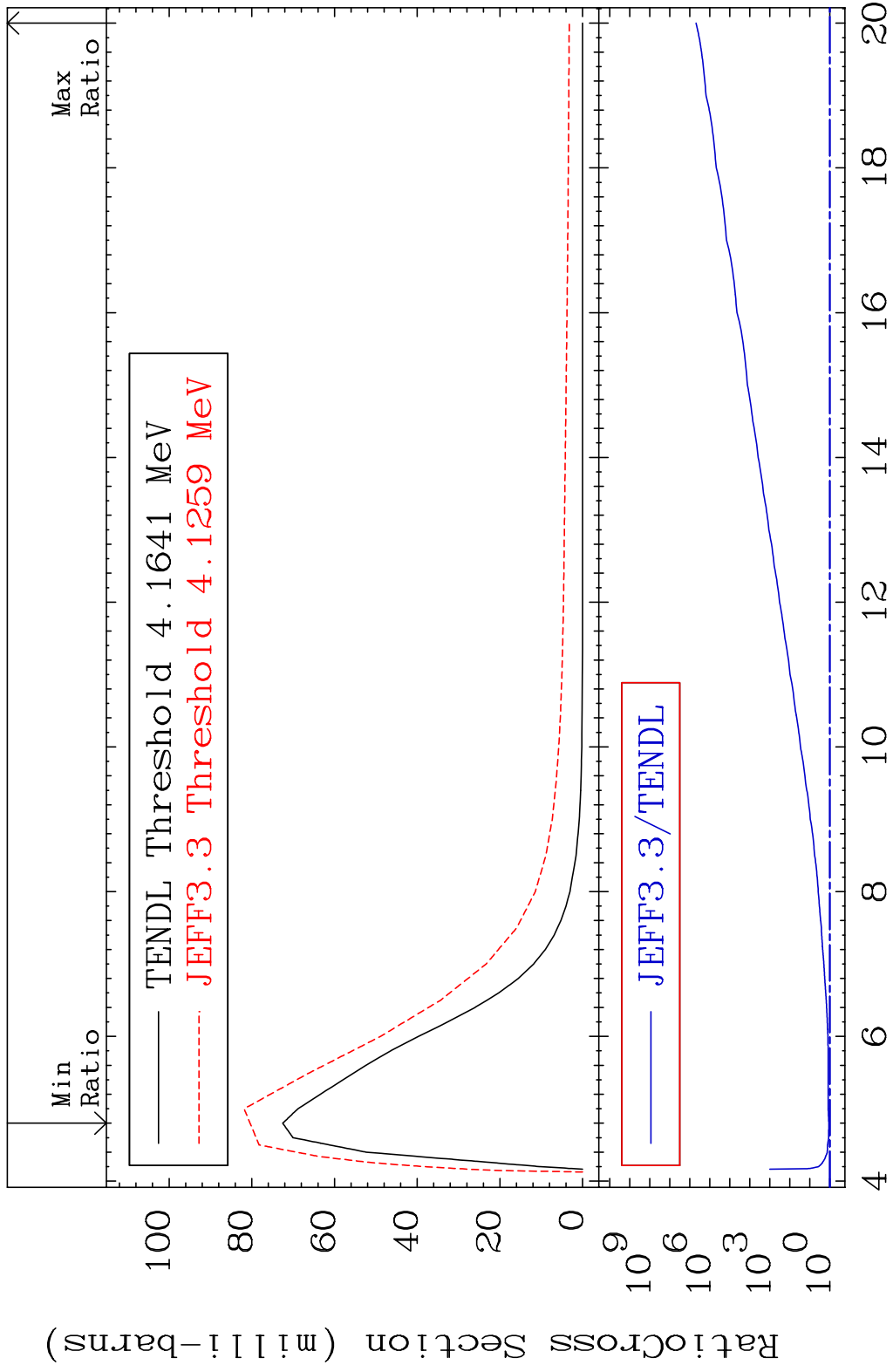
18 82-Pb-208

MAT 8237 MT= 62 (n, n') Level 82-Pb-208
 Cross Section -93.48 To 935.3 %



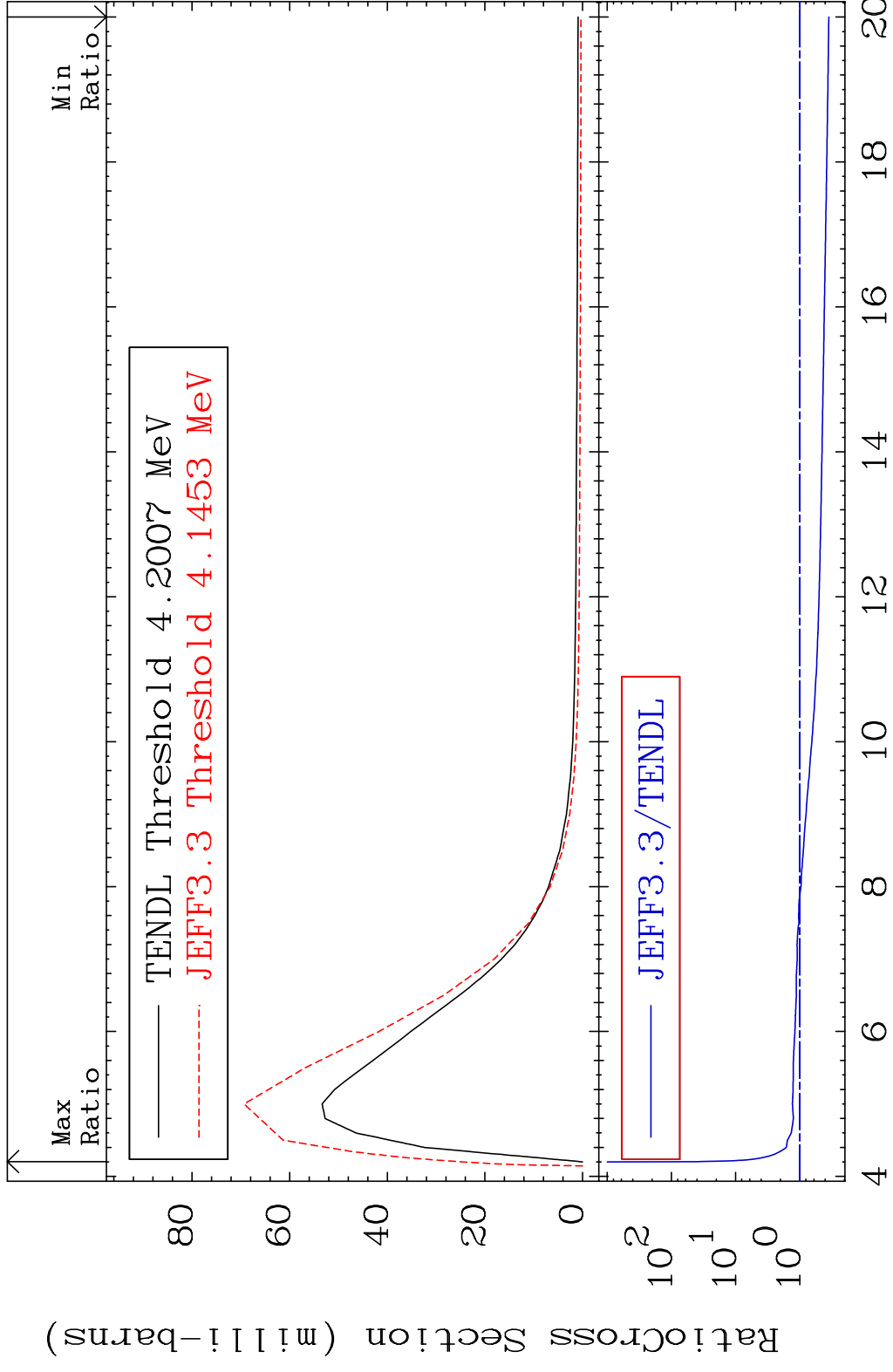
19 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 63 (n, n') Level 82-Pb-208
 Cross Section 10.87 To 9999. %



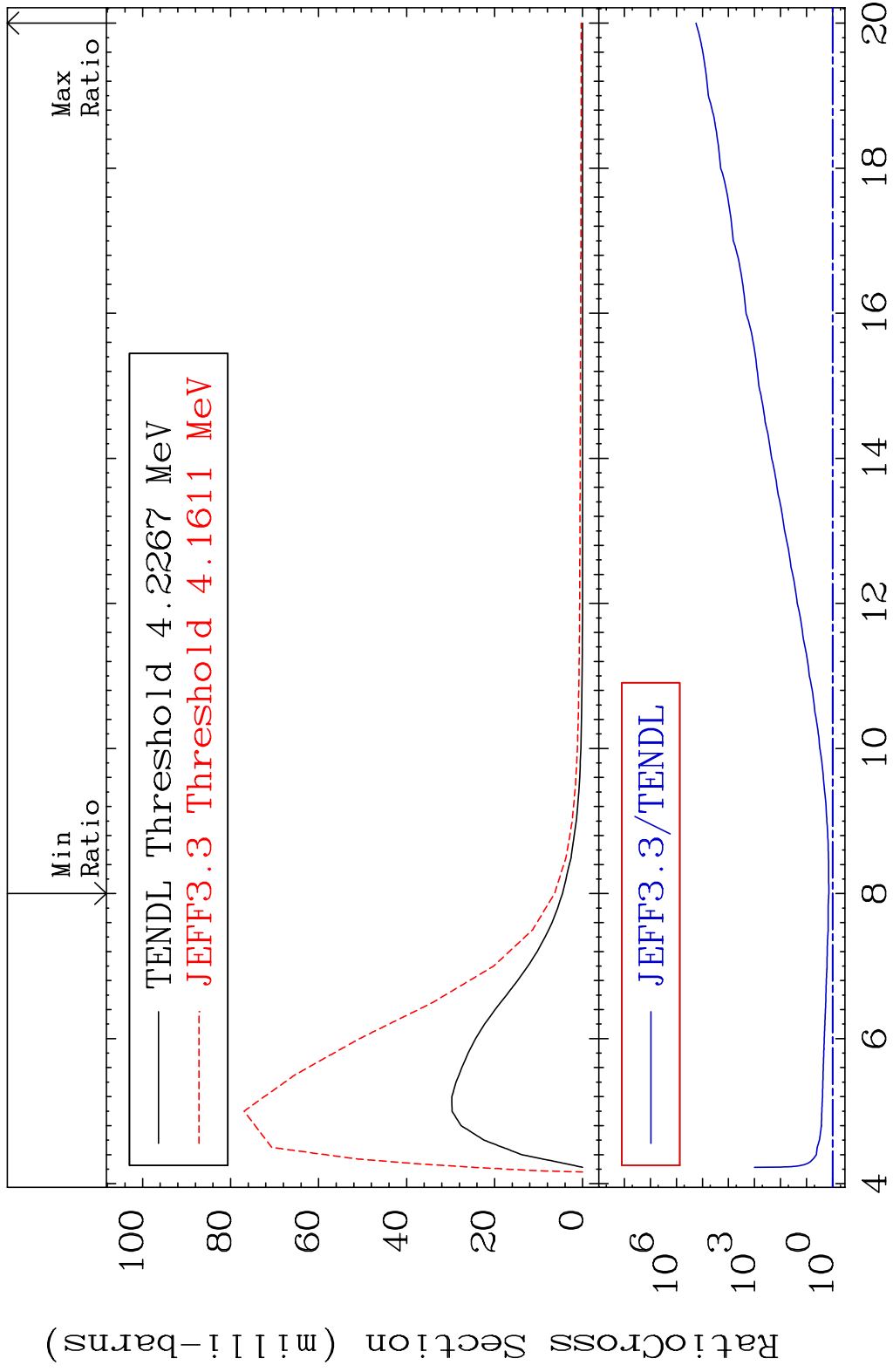
20 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 64 (n, n') Level 82-Pb-208
 Cross Section -64.82 To 4028. %



21 Incident Energy (MeV) 82-Pb-208

MAT 8237 MT= 65 (n, n') Level 82-Pb-208
 Cross Section 39.47 To 9999. %

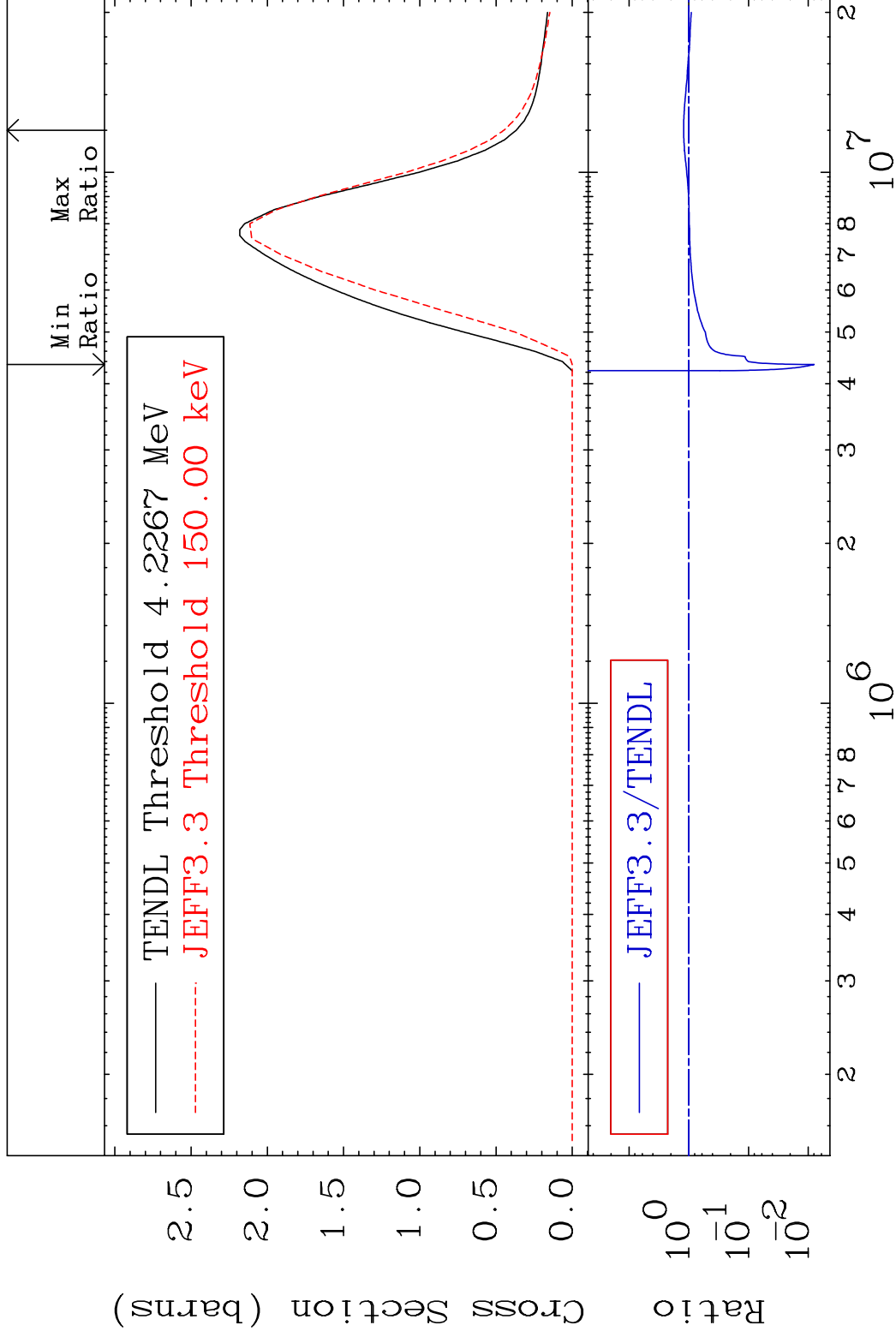


MAT 8237

(n, n') Continuum

82-Pb-208

Cross Section -99.20 To 21.93 %



23

Incident Energy (eV)

82-Pb-208

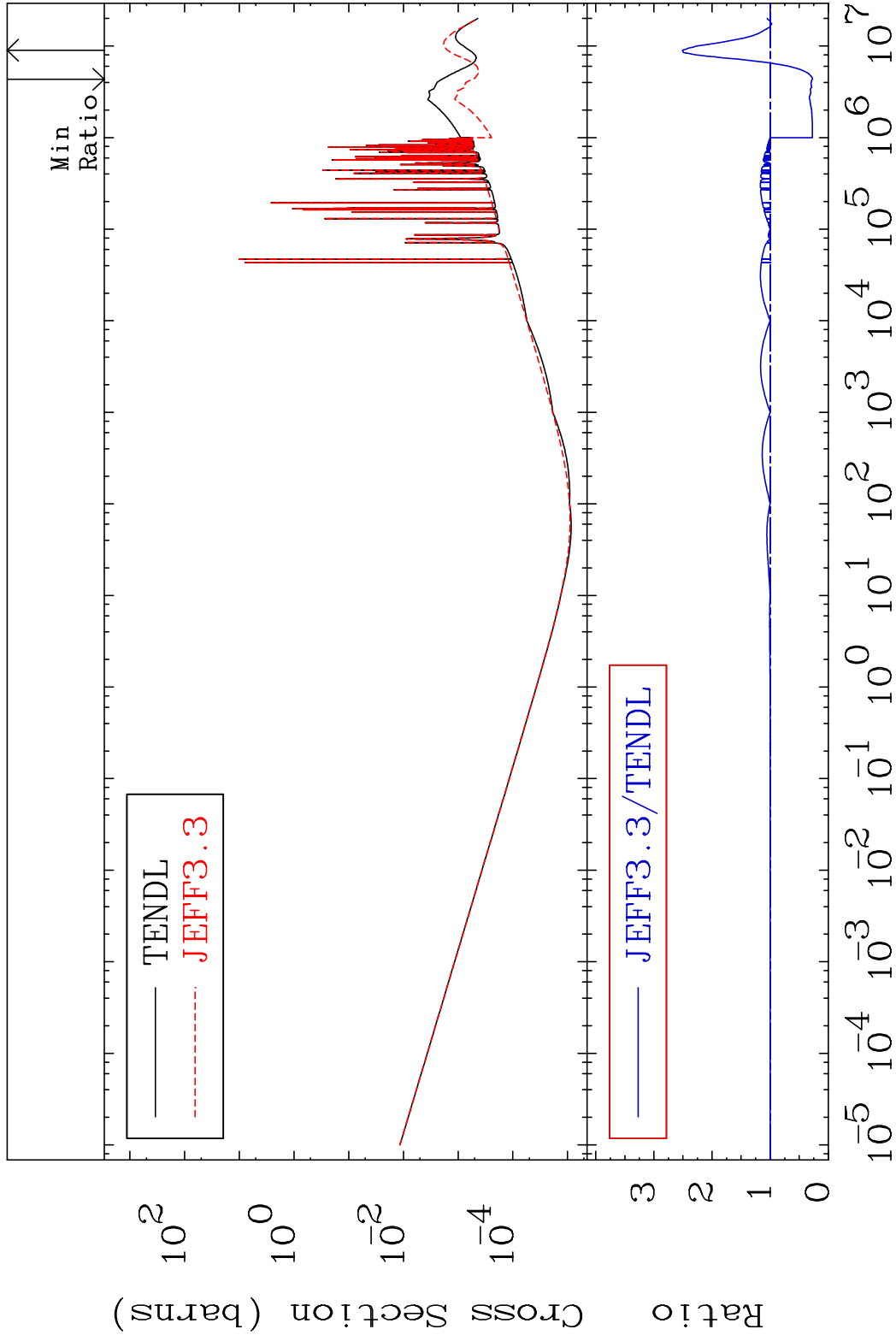
MAT 8237

(n, γ)

82-Pb-208

Cross Section

-72.97 To 151.0 %



24

Incident Energy (eV)

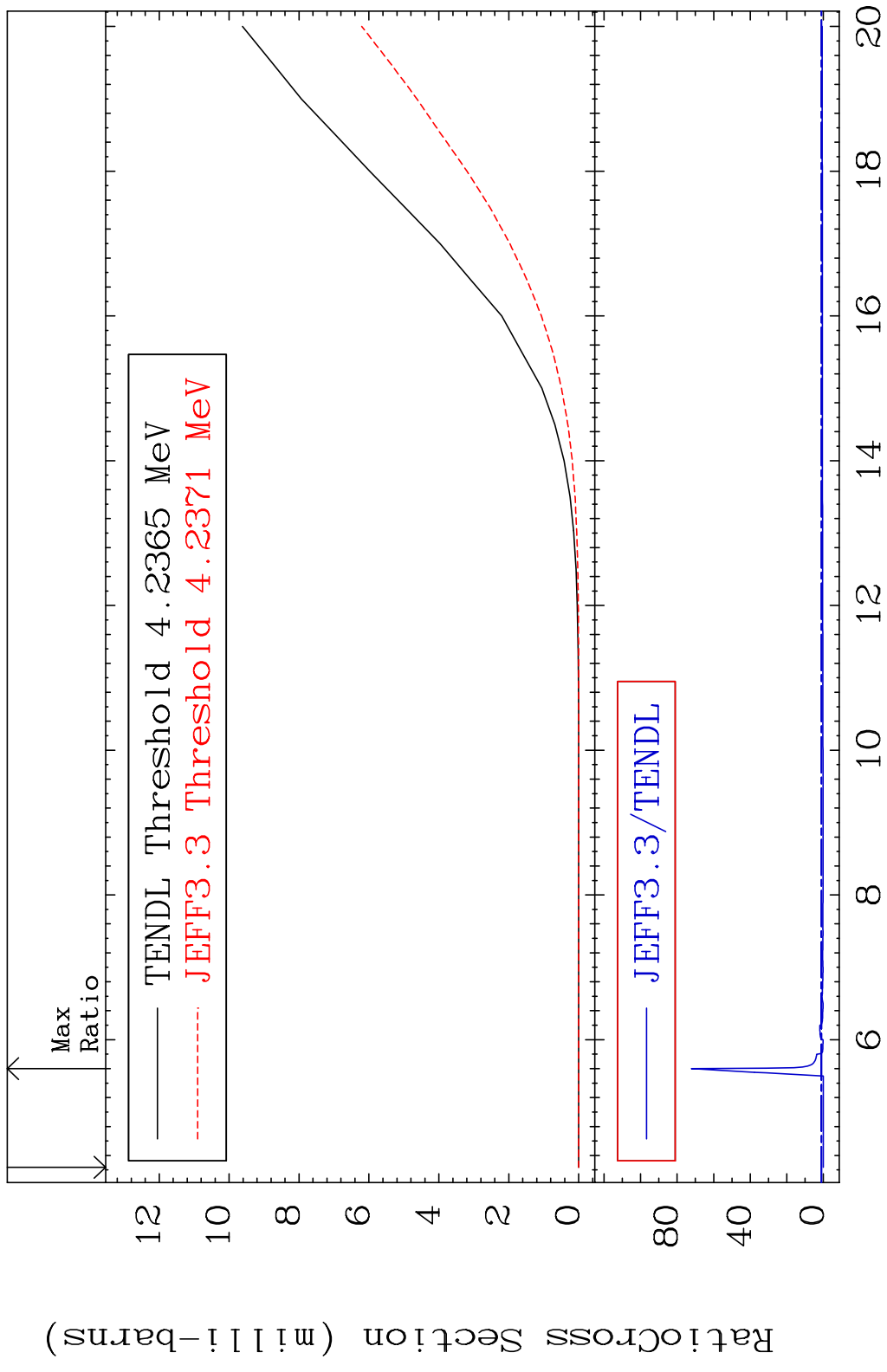
82-Pb-208

MAT 8237

(n, p)

82-Pb-208

Cross Section -100.0 To 7123. %

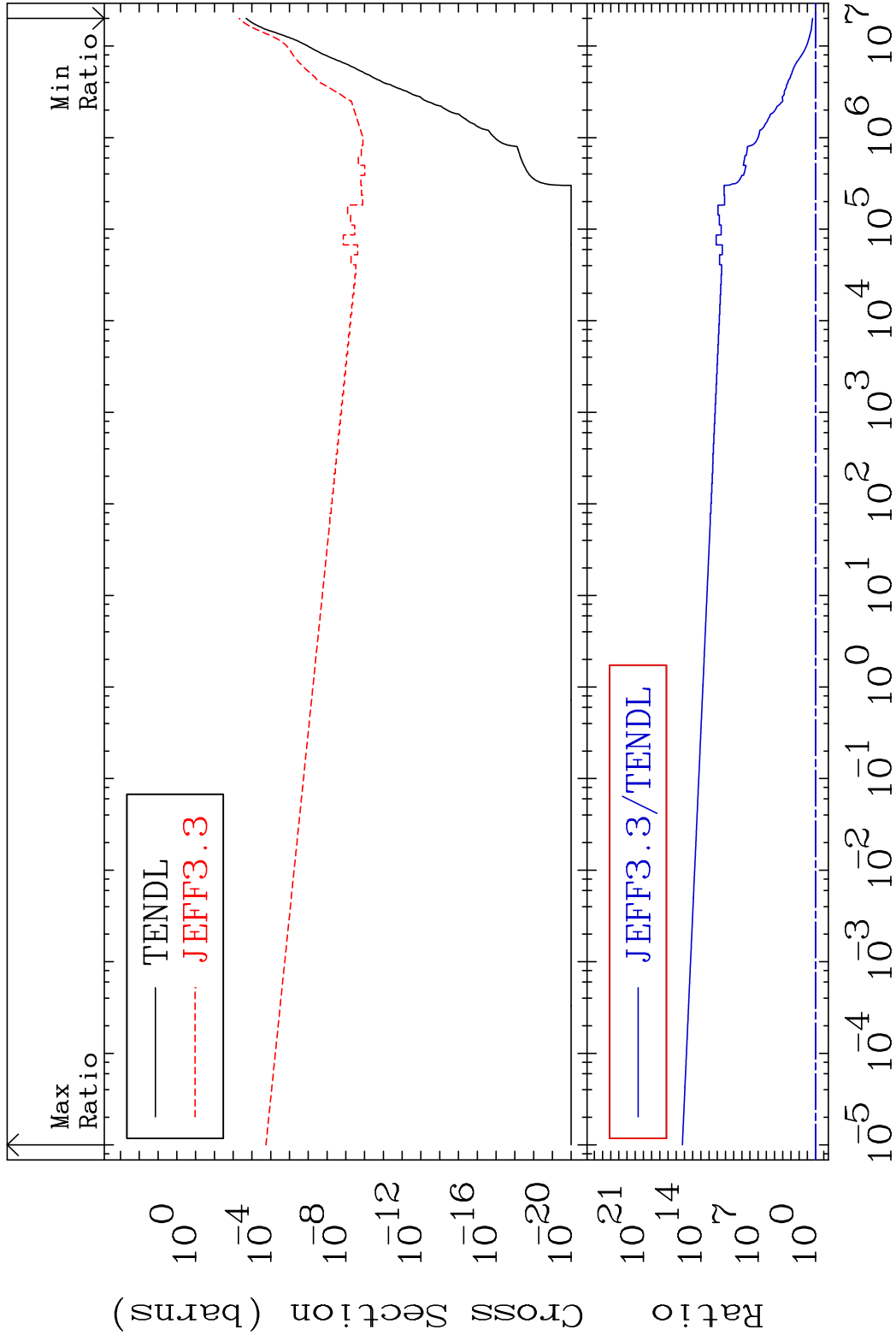


MAT 8237

(n, α)

82-Pb-208

Cross Section 132.7 To 9999. %

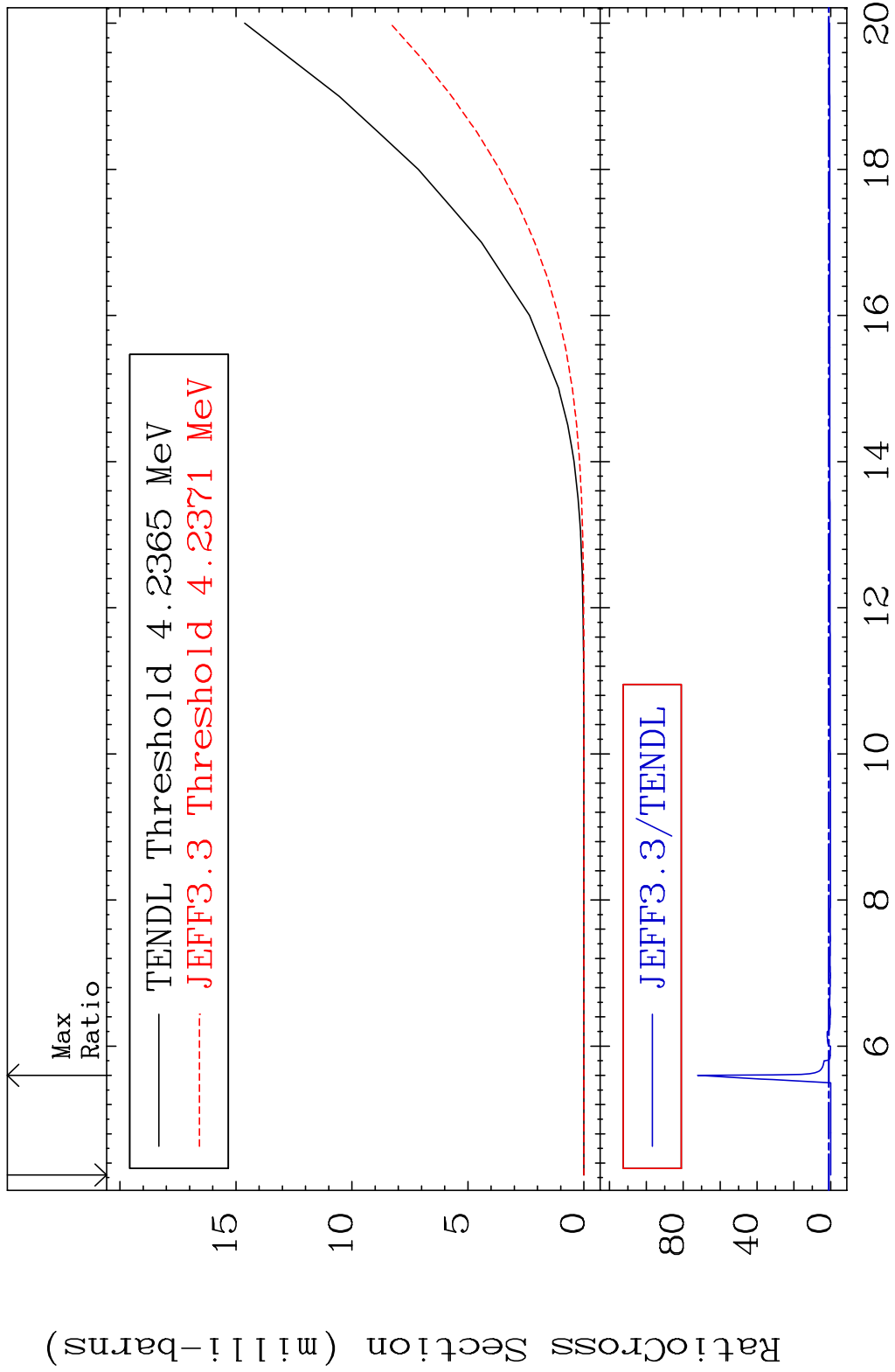


26

Incident Energy (eV)

82-Pb-208

MAT 8237 Hydrogen Production 82-Pb-208
 Cross Section -100.0 To 7123. %

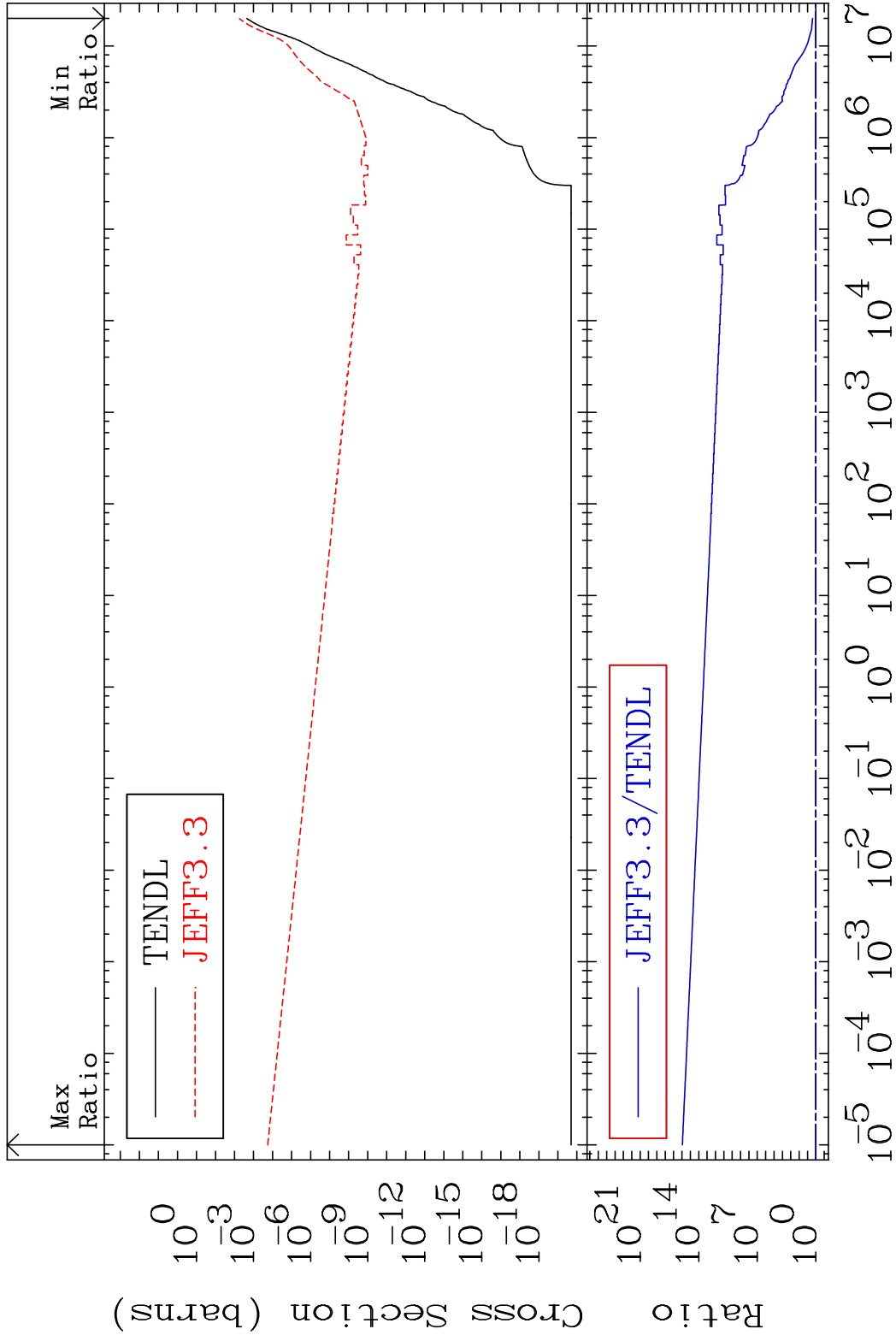


MAT 8237

He-4 Production

82-Pb-208

Cross Section 149.4 To 9999. %

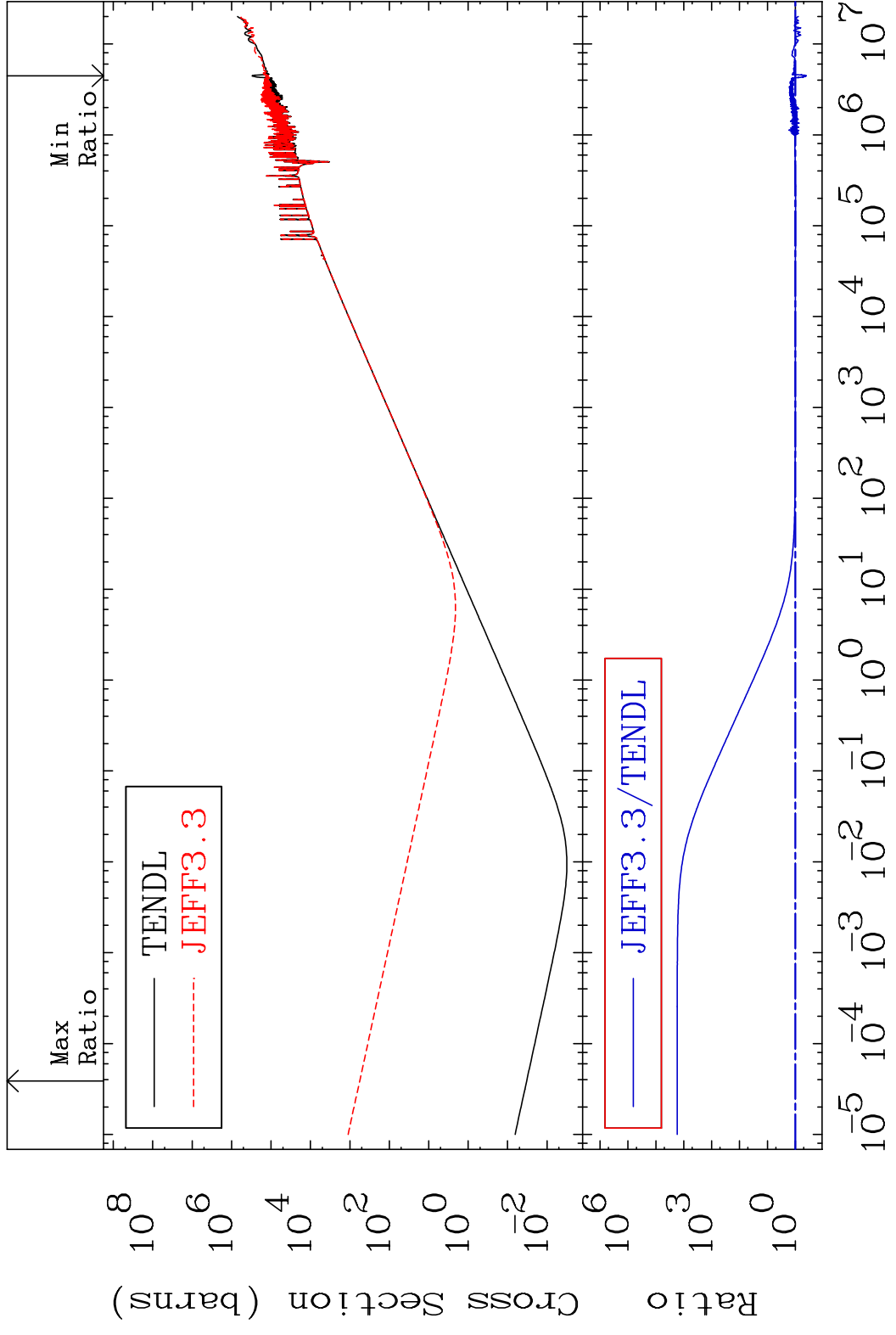


28

Incident Energy (eV)

82-Pb-208

MAT 8237 Kerma total (eV-barns) 82-Pb-208
 Cross Section -59.93 To 9999. %

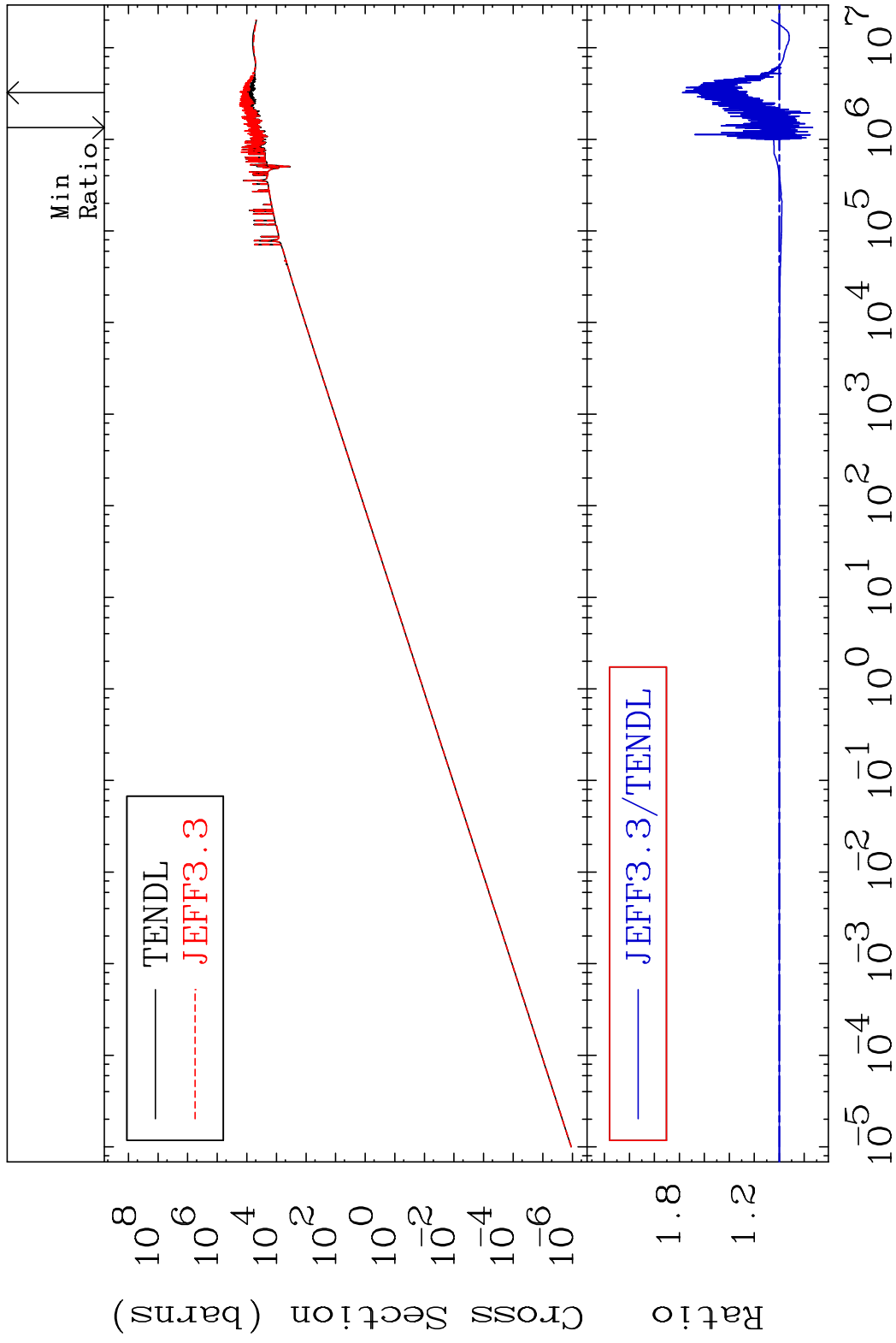


MAT 8237

Kerma elastic

82-Pb-208

Cross Section -26.68 To 77.58 %

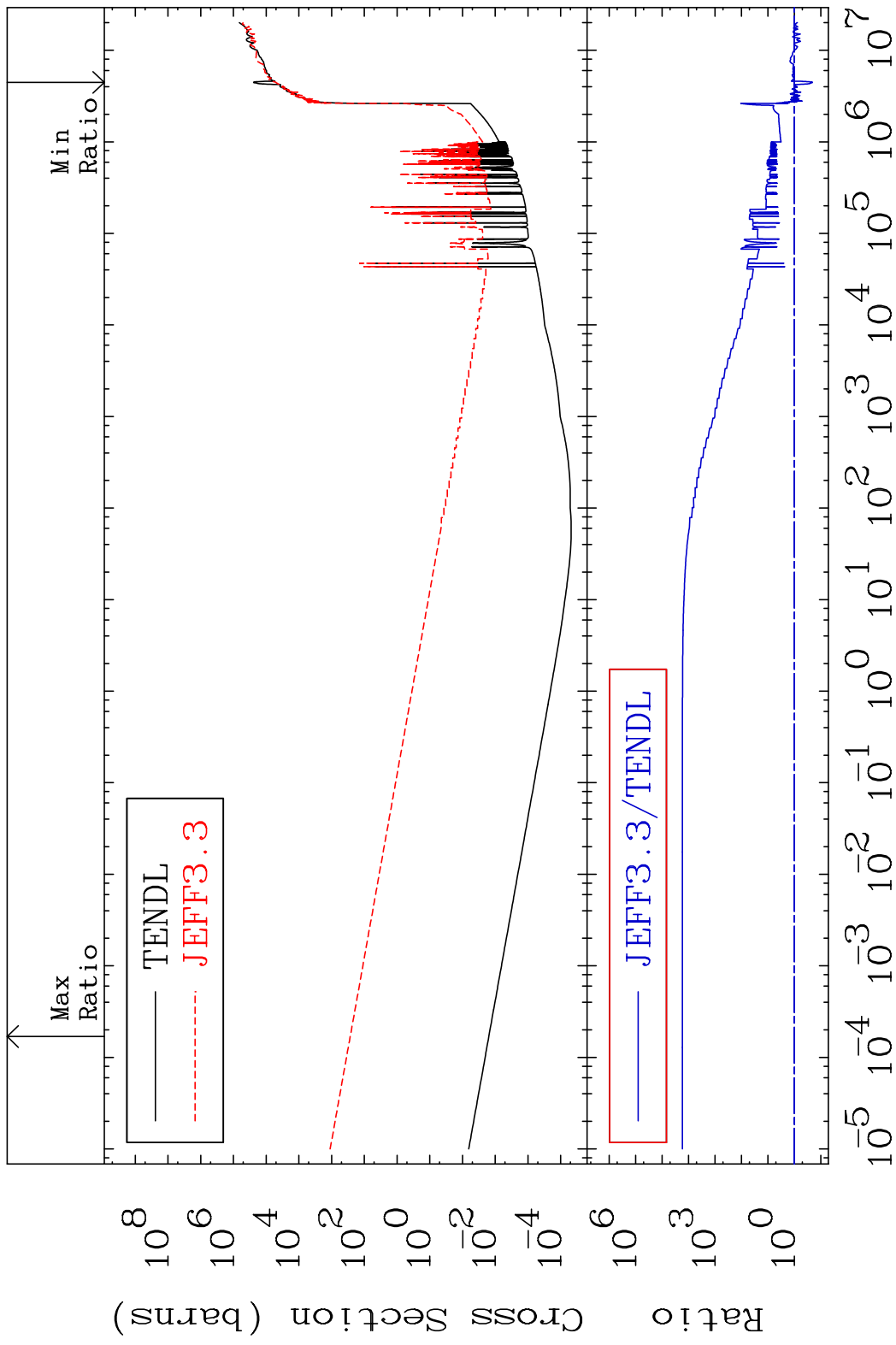


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Incident Energy (eV)

82-Pb-208

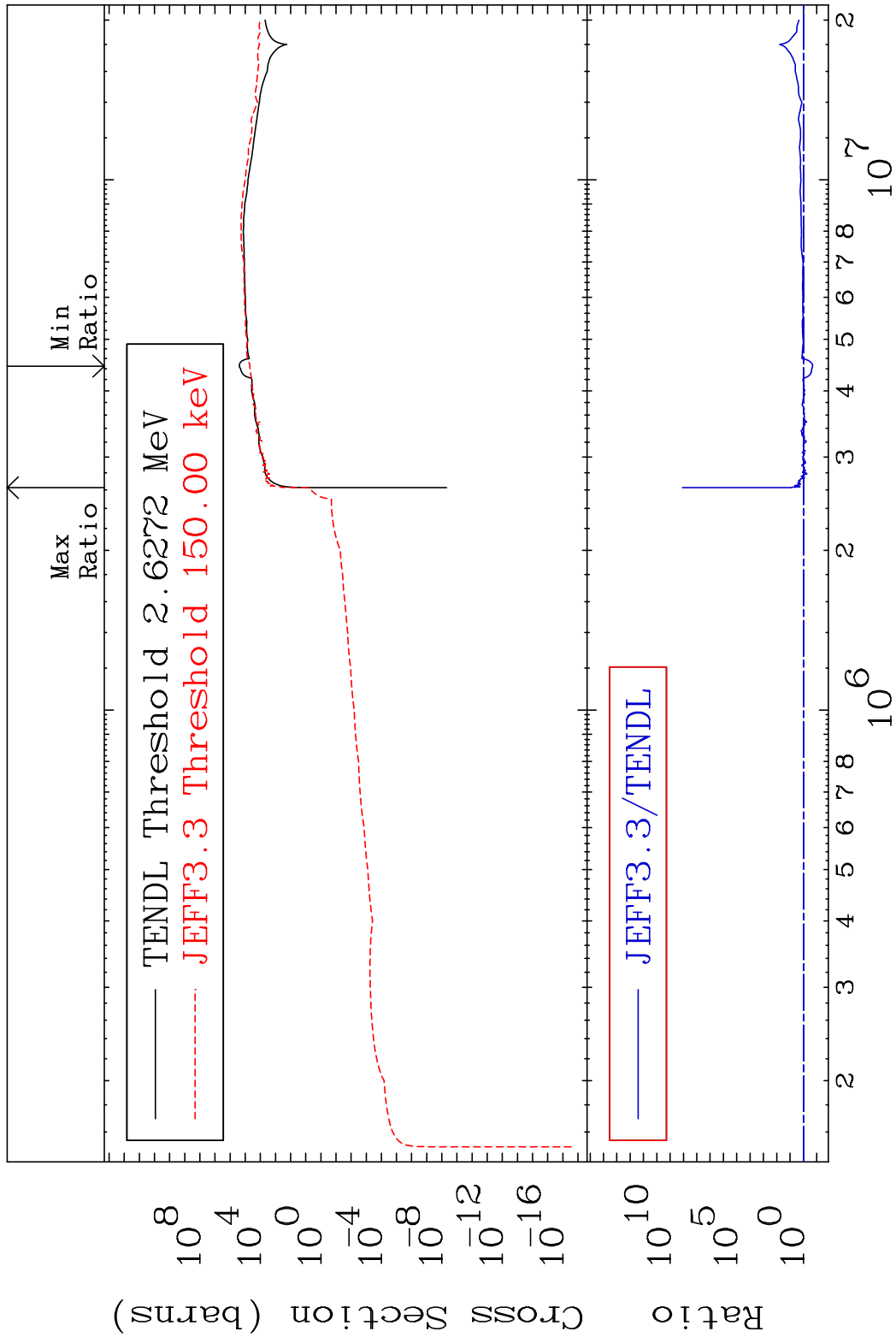
MAT 8237 Kerma non-elastic (all but mt2) 82-Pb-208
 Cross Section -79.48 To 9999. %



MAT 8237

Kerma inelastic (mt51-91) 82-Pb-208

Cross Section -79.48 To 9999. %

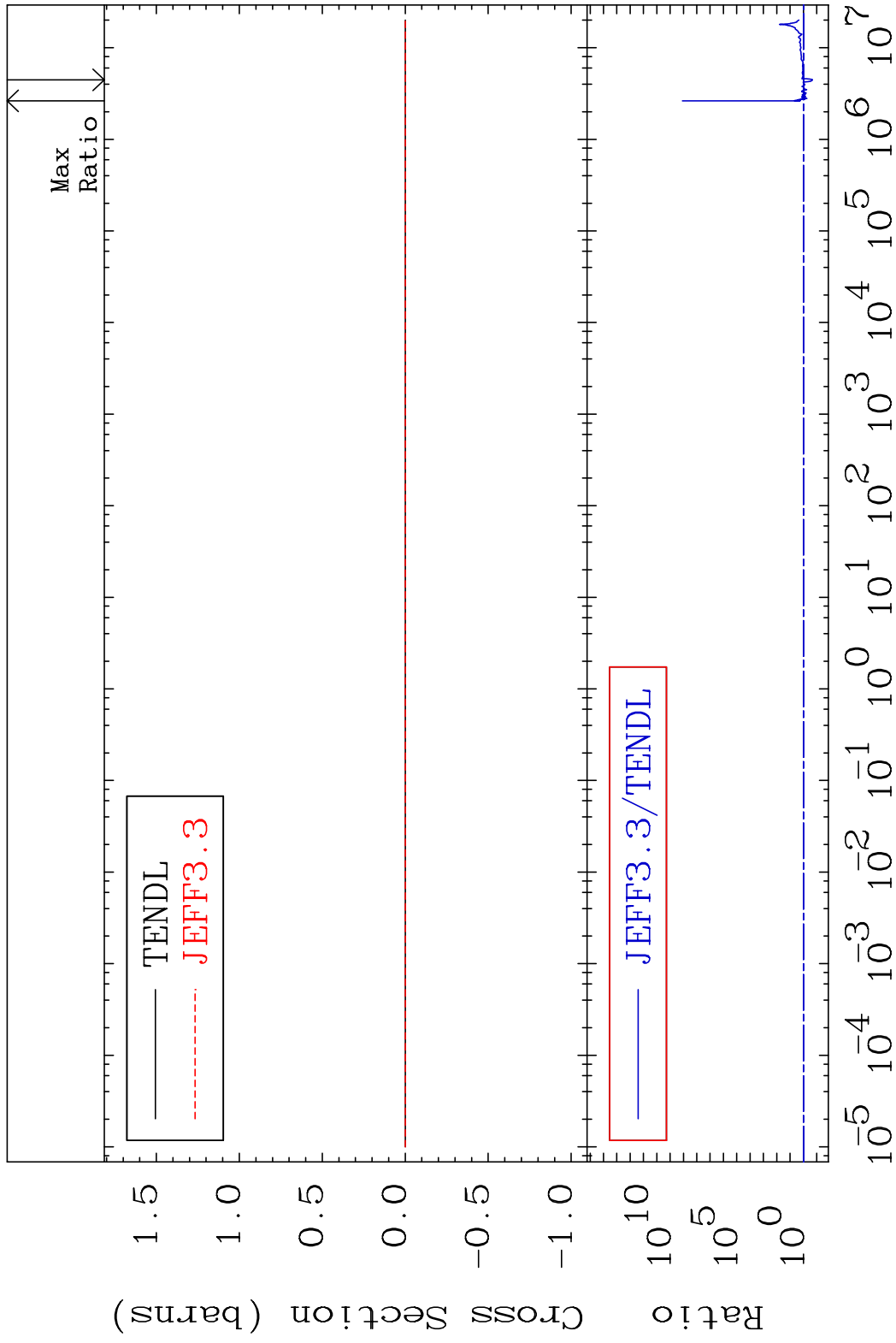


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Incident Energy (eV)

82-Pb-208

MAT 8237 Kerma fission (mt18 or mt19-20-21-38) β 2-Pb-208
 Cross Section -79.48 To 9999. %

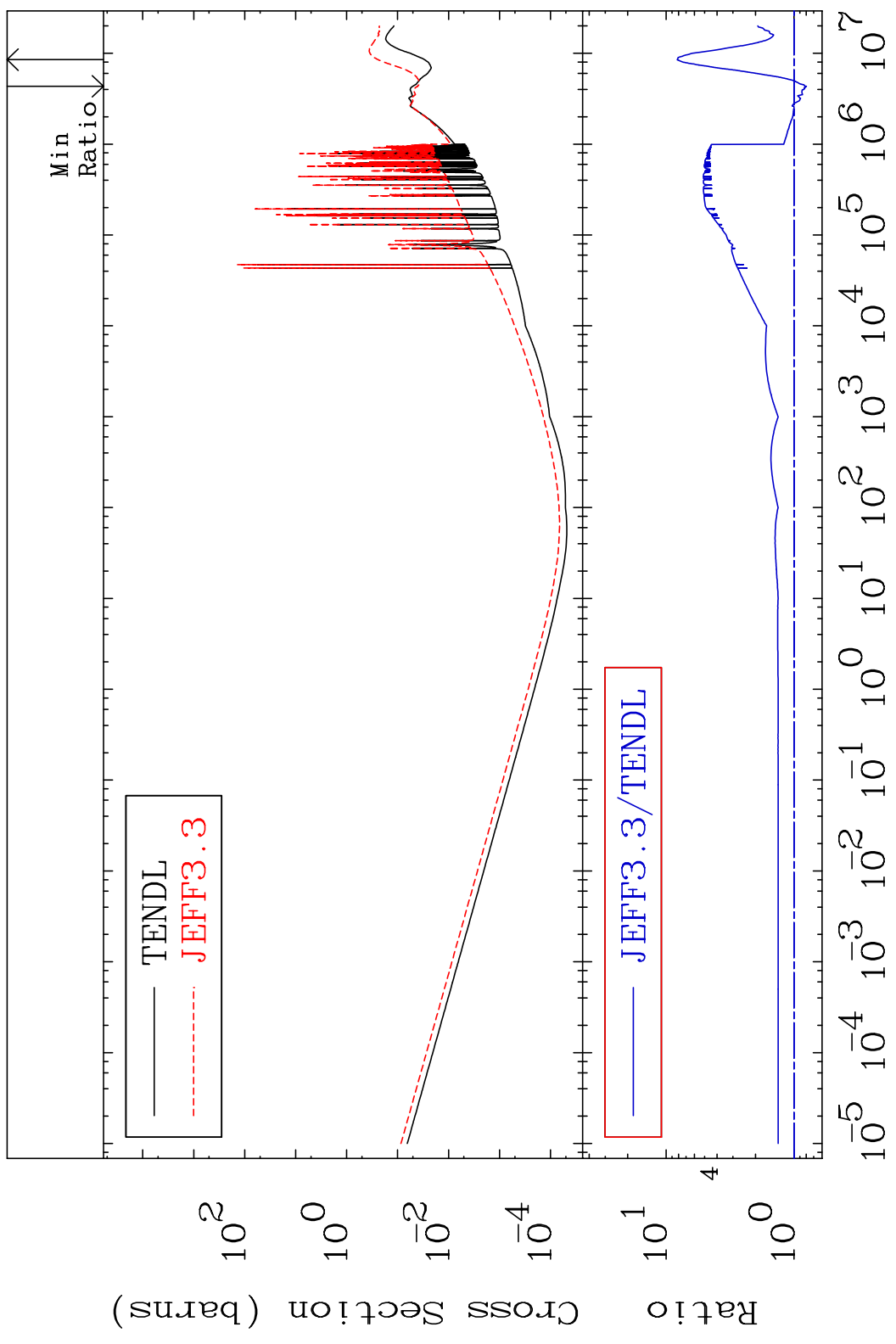


MAT 8237

Kerma capture (mt102)

82-Pb-208

Cross Section -20.11 To 720.1 %

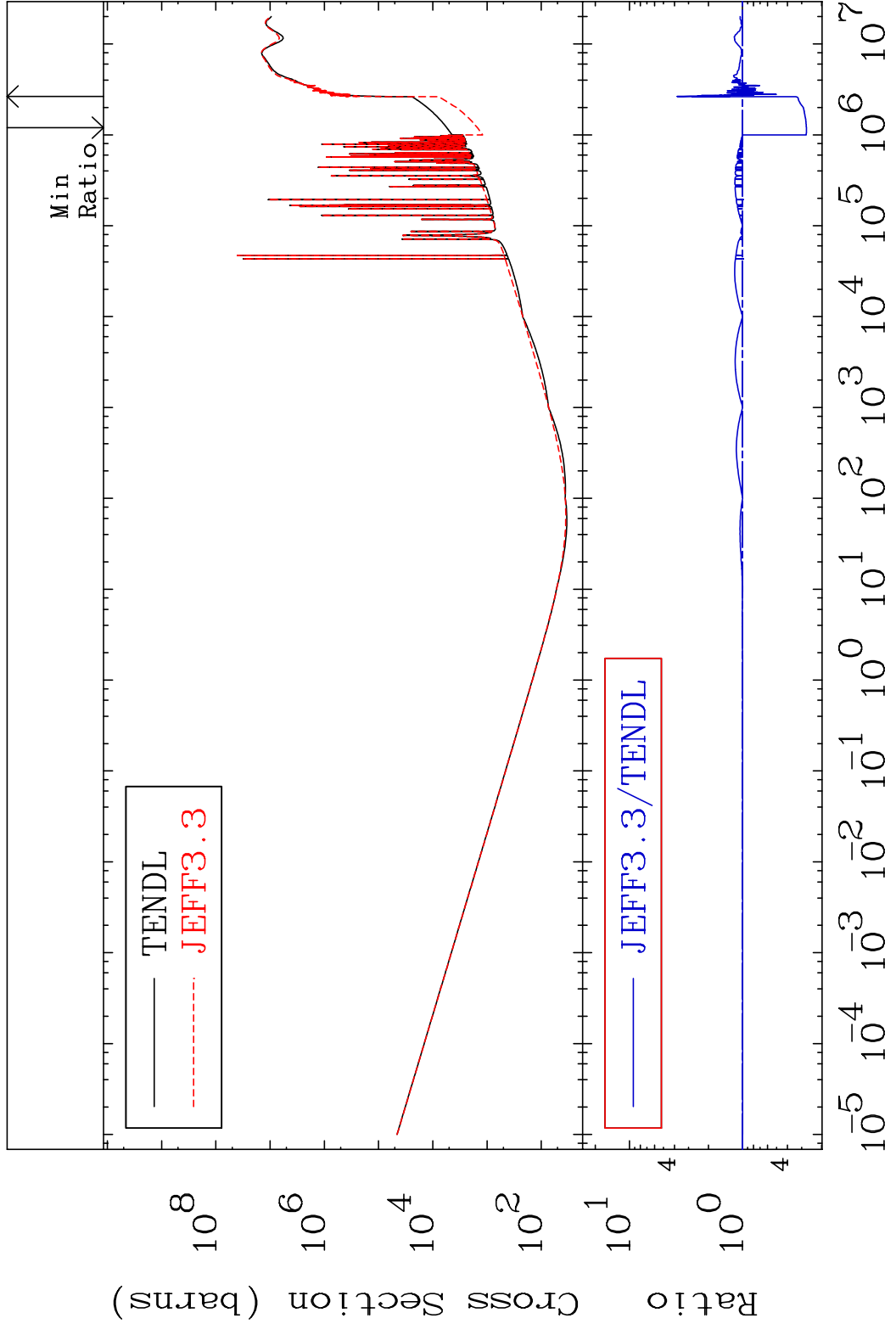


MAT 8237

Total photon (eV-barns)

82-Pb-208

Cross Section -72.77 To 278.0 %

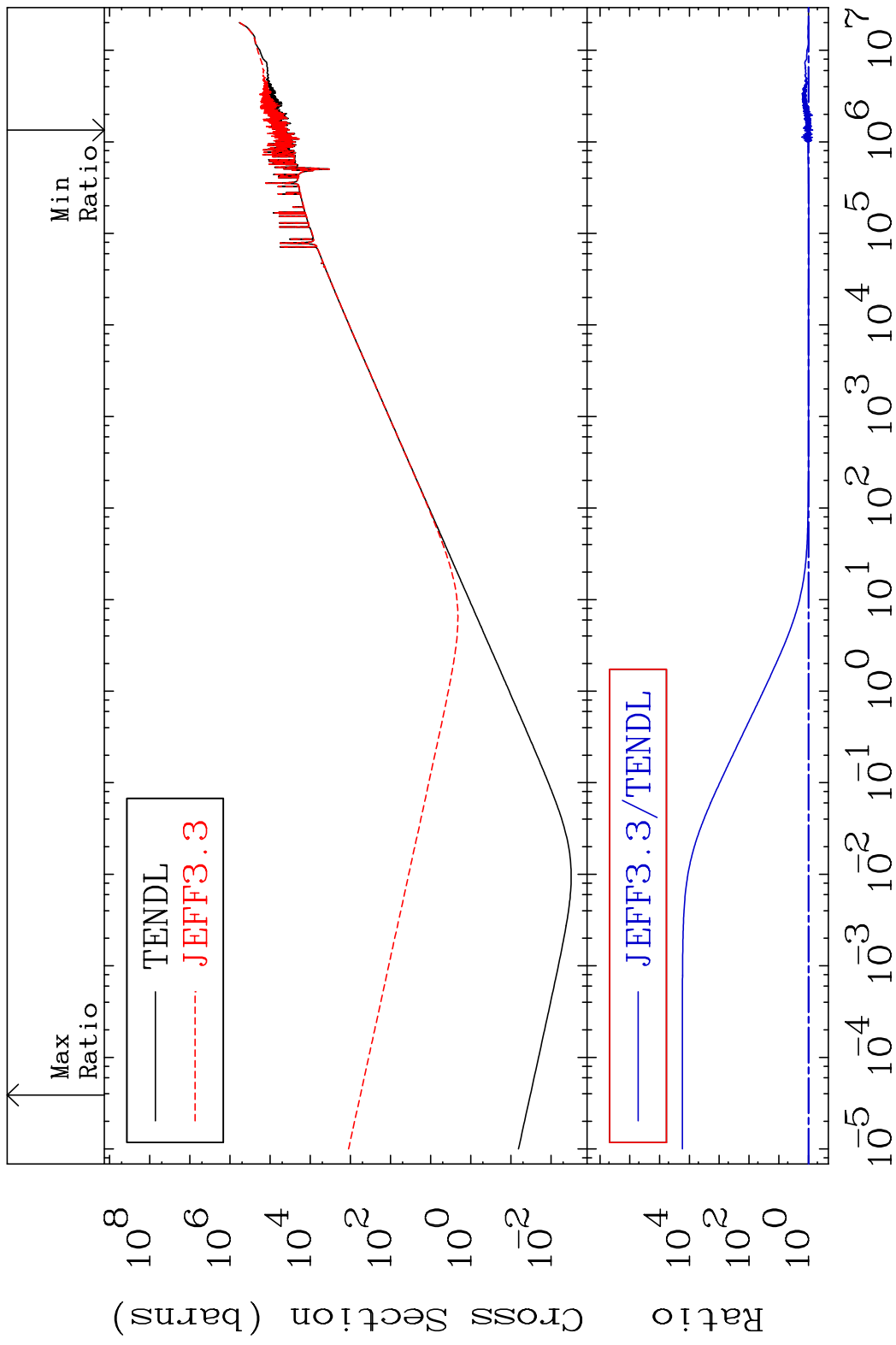


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Incident Energy (eV)

82-Pb-208

MAT 8237 Total kinematic kerma (high limit) 82-Pb-208
 Cross Section -26.68 To 9999. %

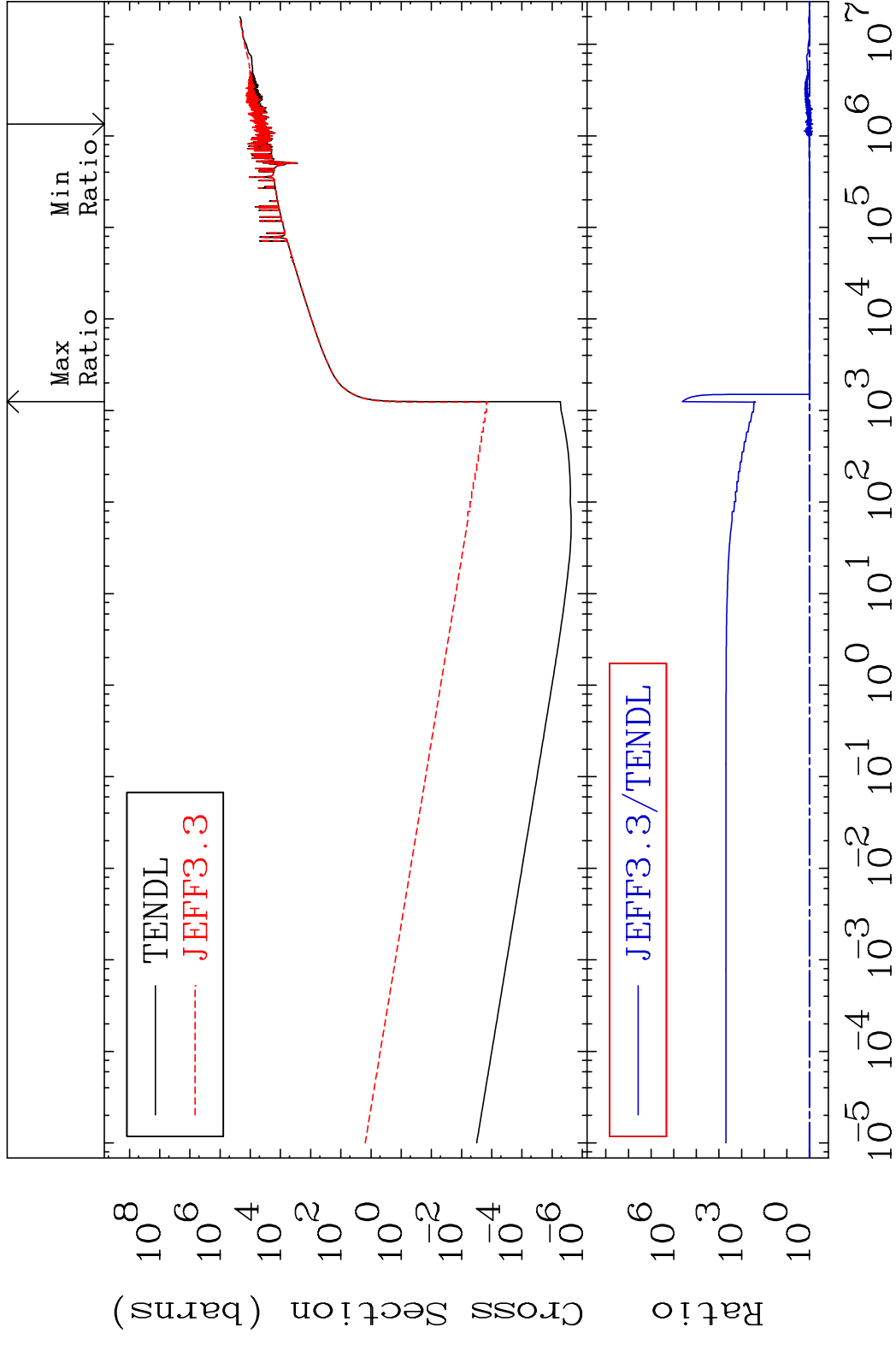


MAT 8237

Dpa total (eV-barns)

82-Pb-208

Cross Section -26.78 To 9999. %



37

Incident Energy (eV)

82-Pb-208

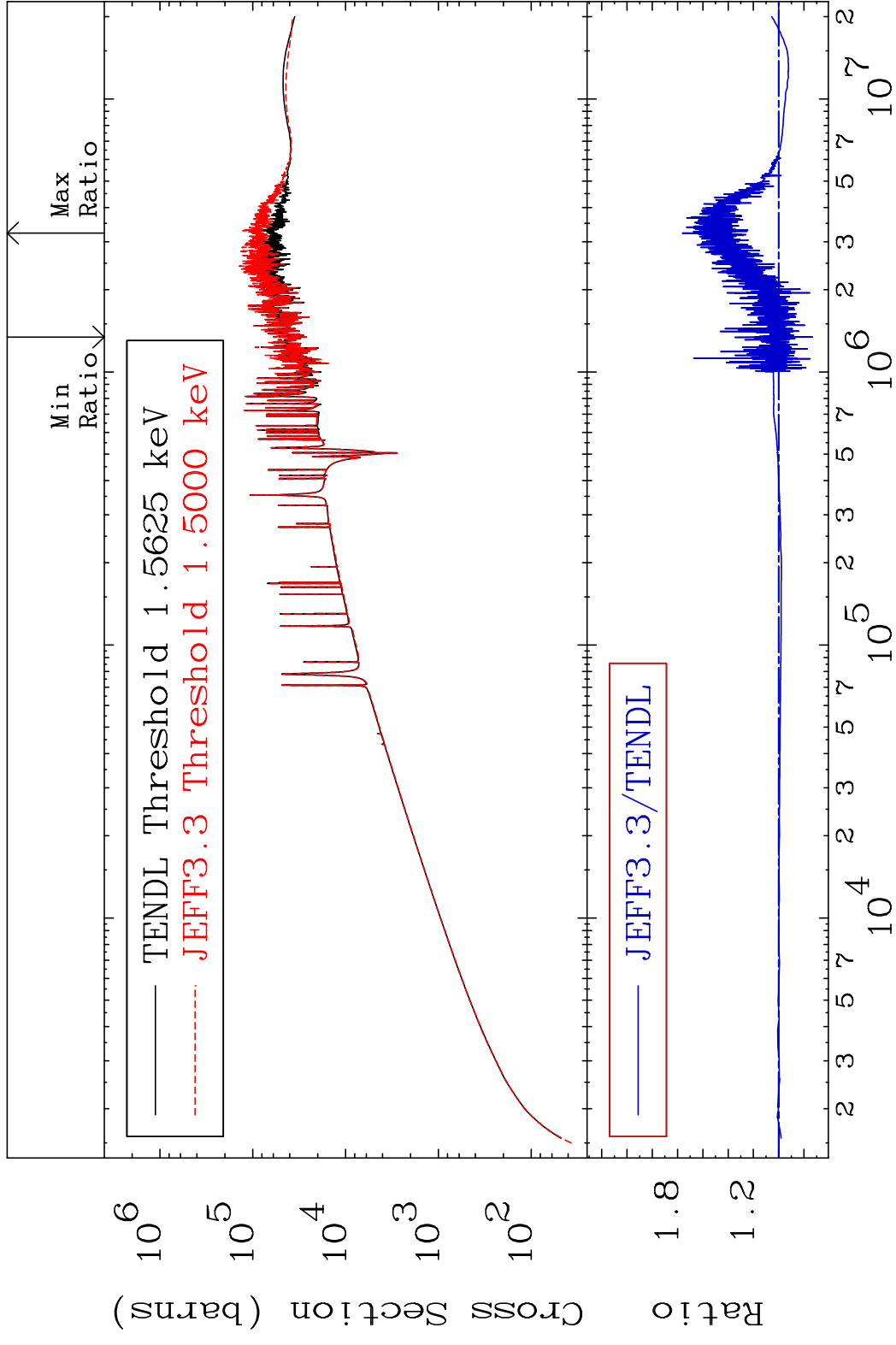
MAT 8237

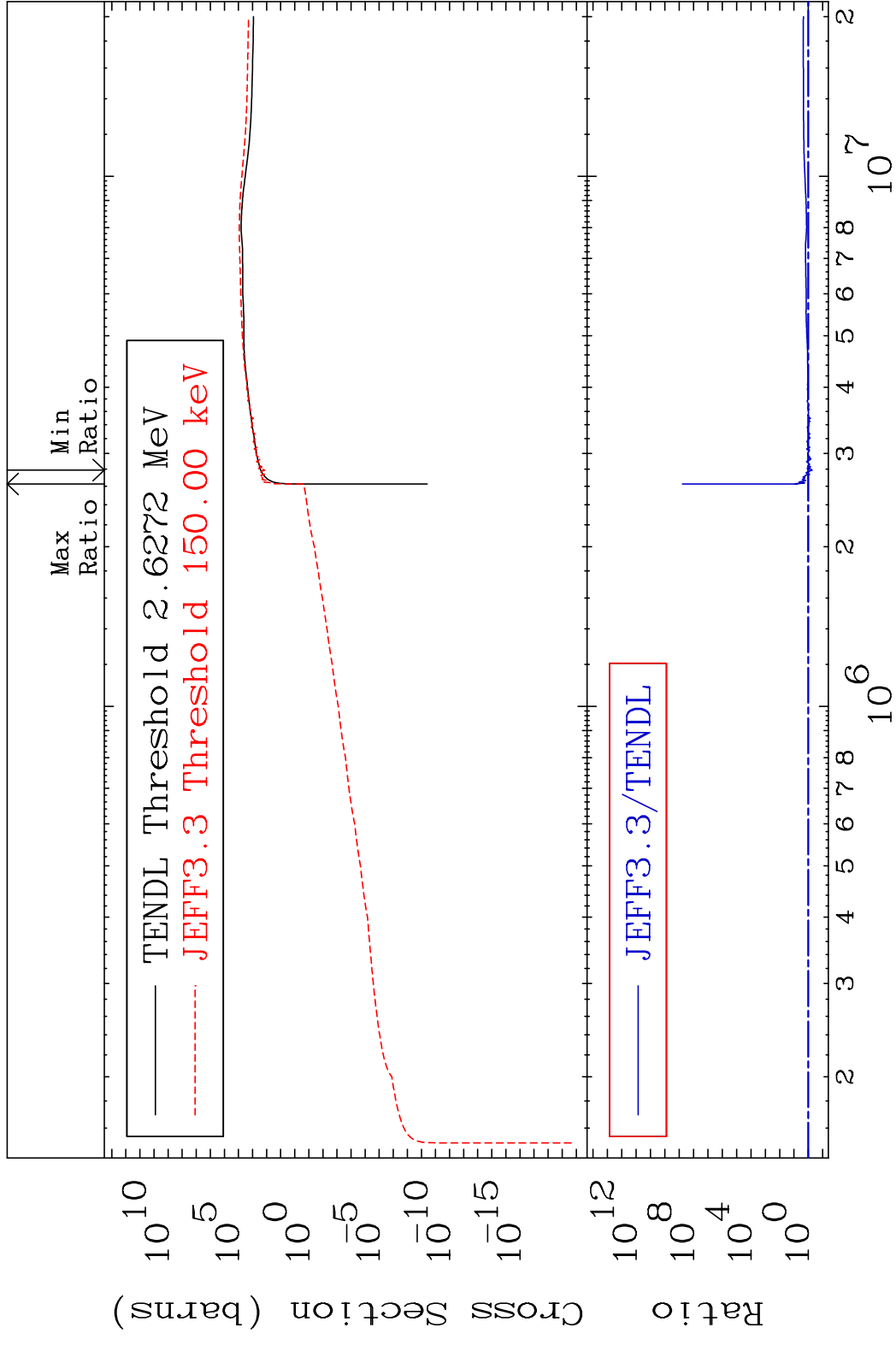
Dpa elastic (mt2)

82-Pb-208

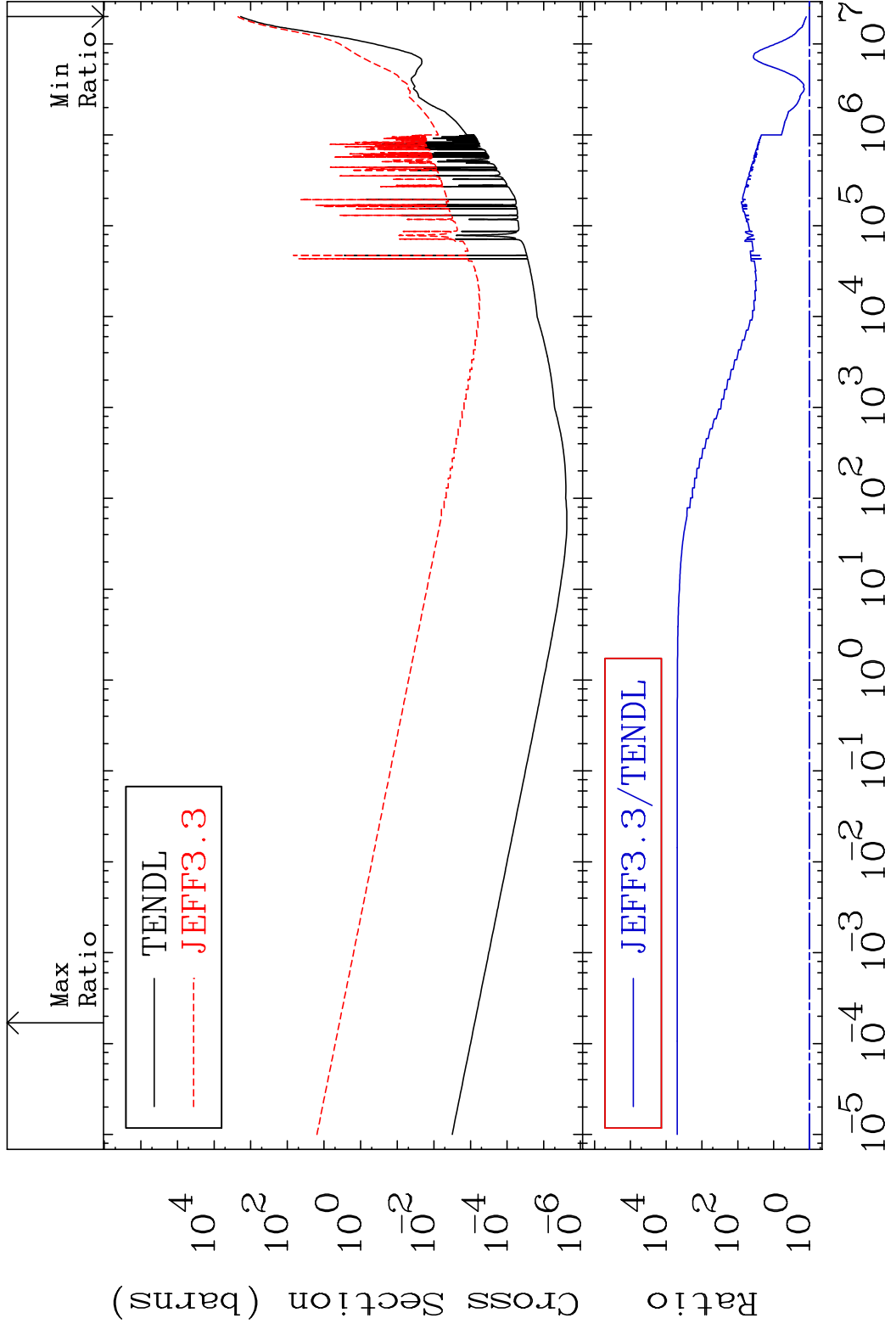
Cross Section

-26.78 To 76.21 %



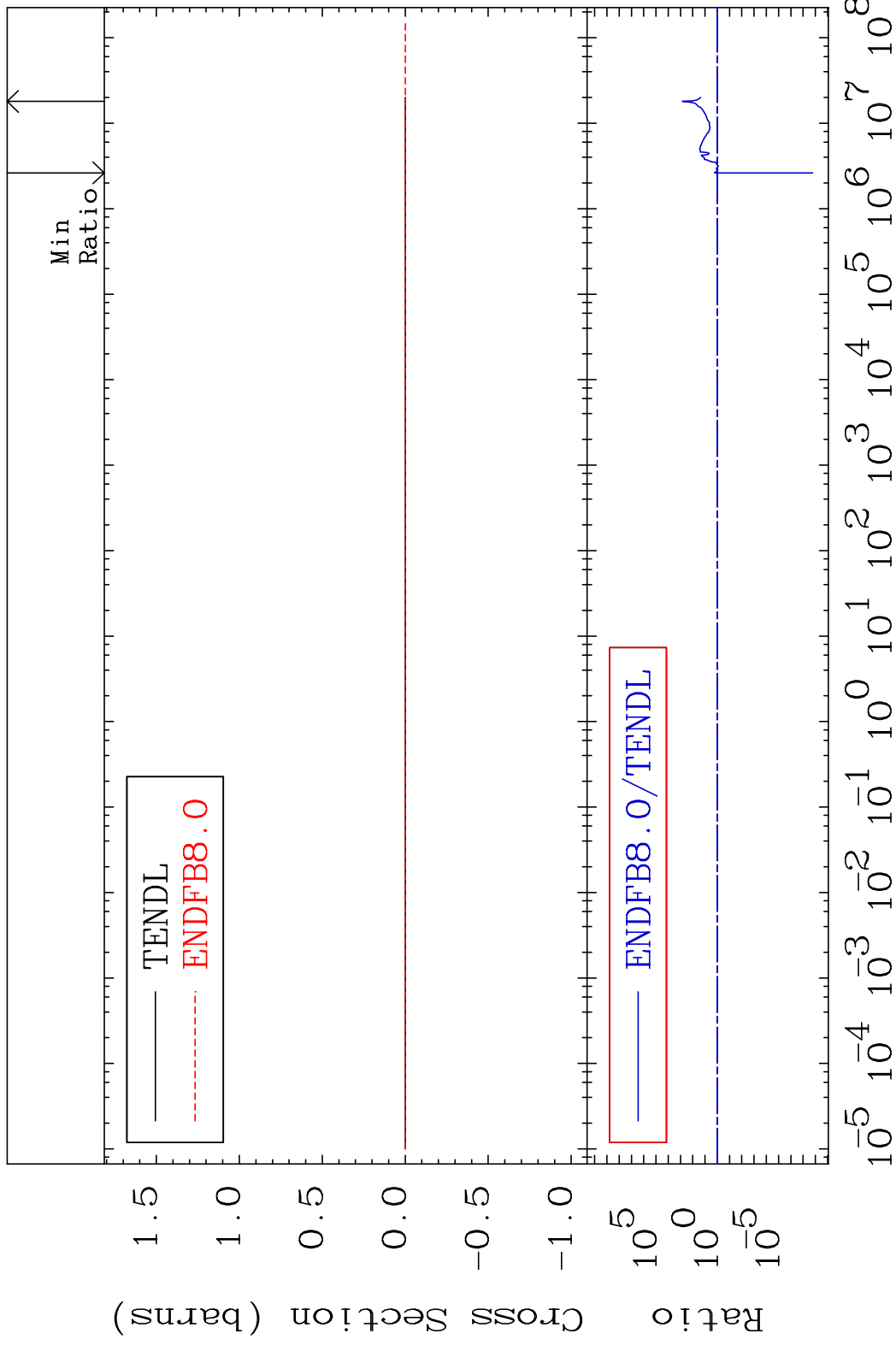


MAT 8237 Dpa disappearance (mt102 -120) 82-Pb-208
 Cross Section 21.46 To 9999. %



40 Incident Energy (eV) 82-Pb-208

MAT 8237 Kerma fission (mt18 or mt19-20-21-38)2-Pb-208
 Cross Section -100.0 To 9999. %

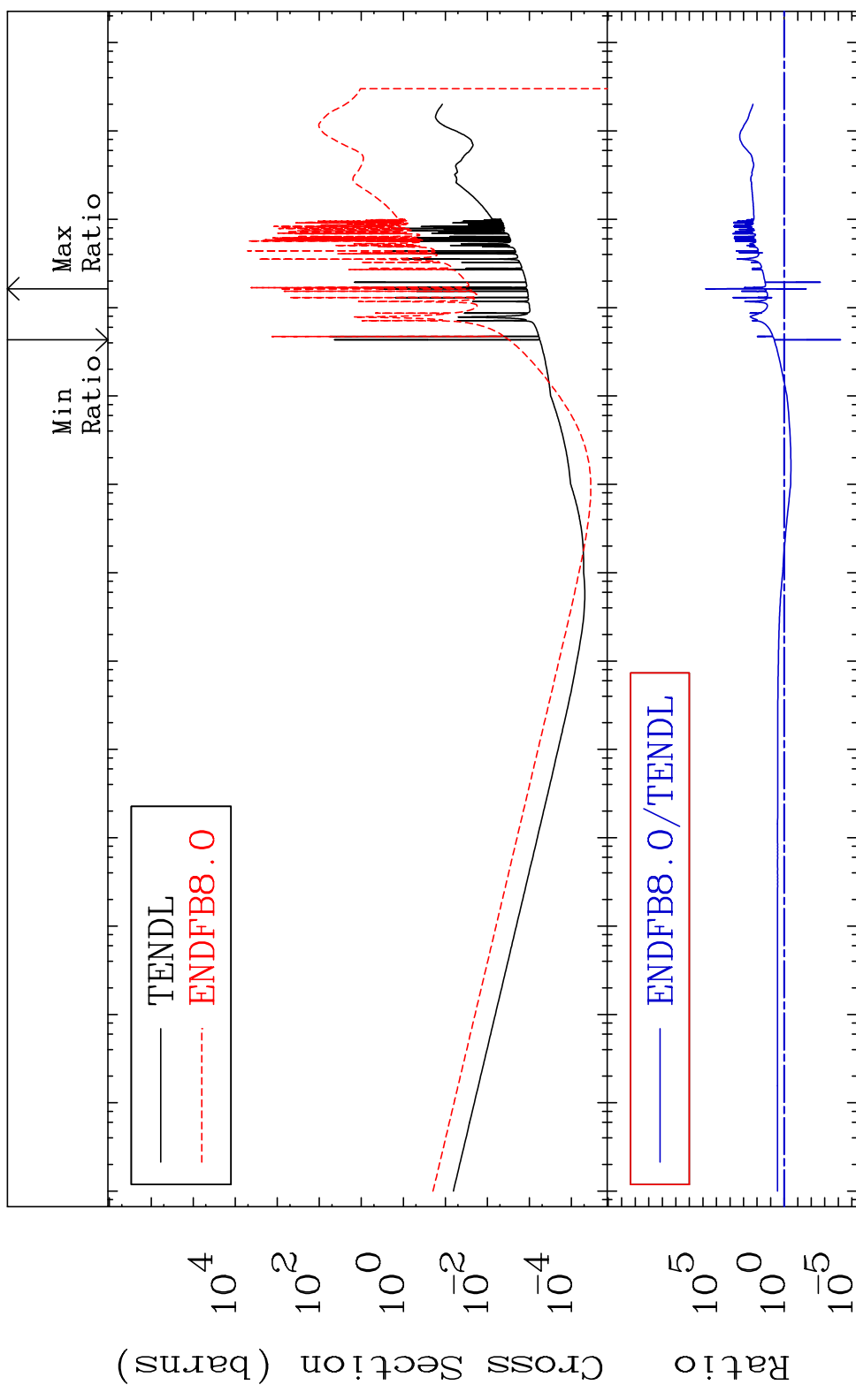


MAT 8237

Kerma capture (mt102)

82-Pb-208

Cross Section -99.99 To 9999. %



Ratio

10⁴

10²

10⁰

10⁻²

10⁻⁴

10⁵

10⁰

10⁻⁵

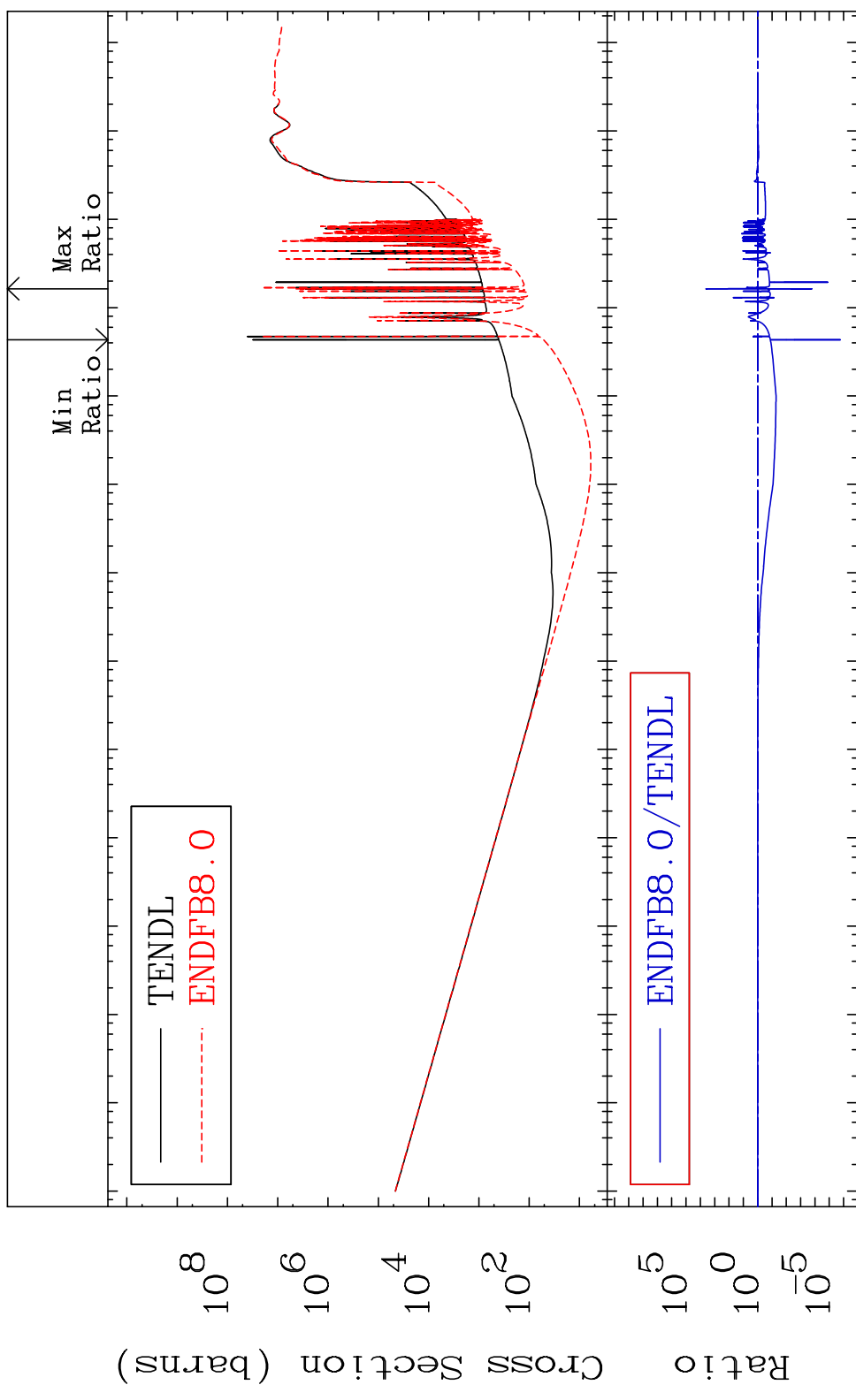
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

MAT 8237

Total photon (eV-barns)

82-Pb-208

Cross Section -100.0 To 9999. %

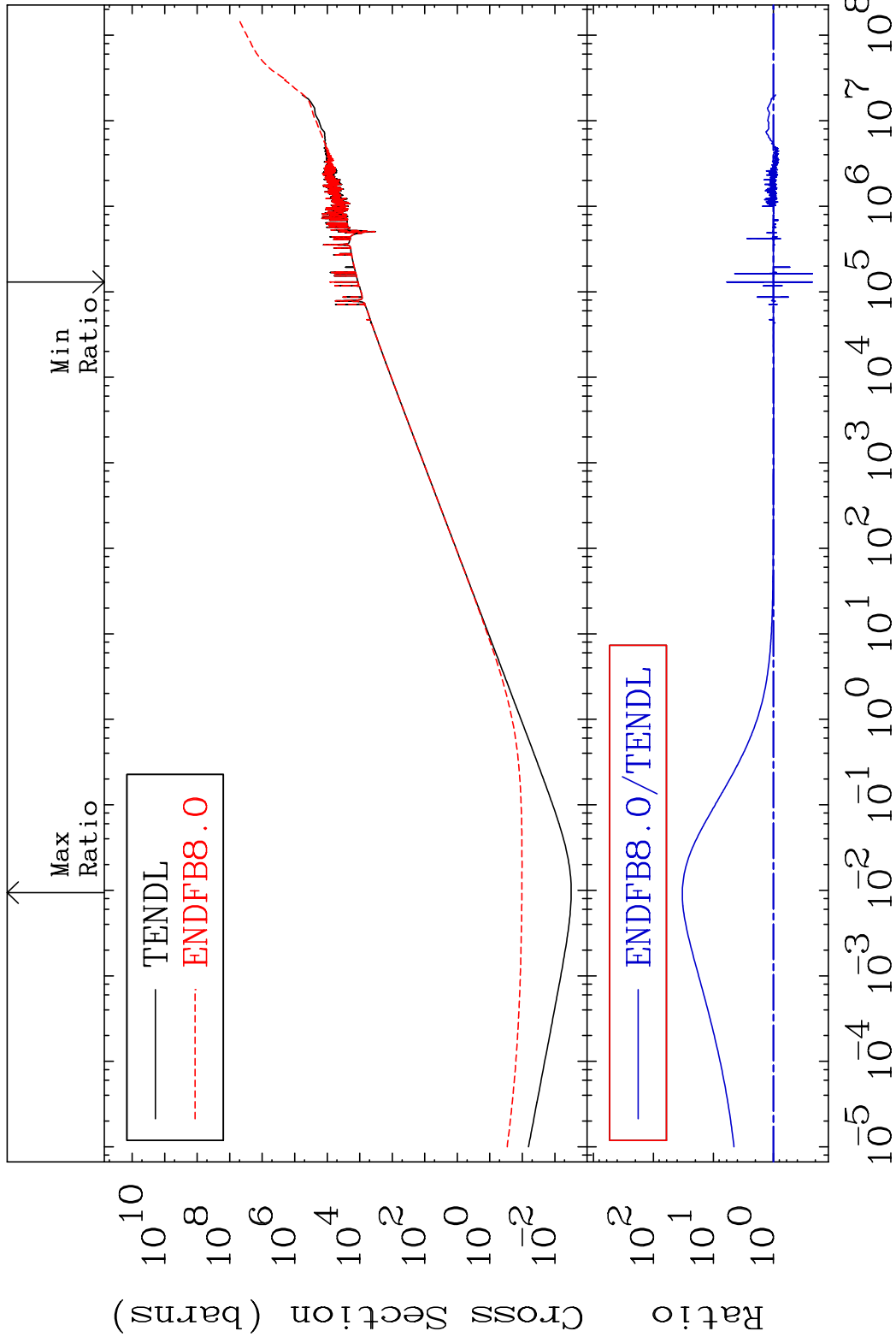


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Incident Energy (eV)

82-Pb-208

MAT 8237 Total kinematic kerma (high limit) 82-Pb-208
 Cross Section -77.75 To 3189. %

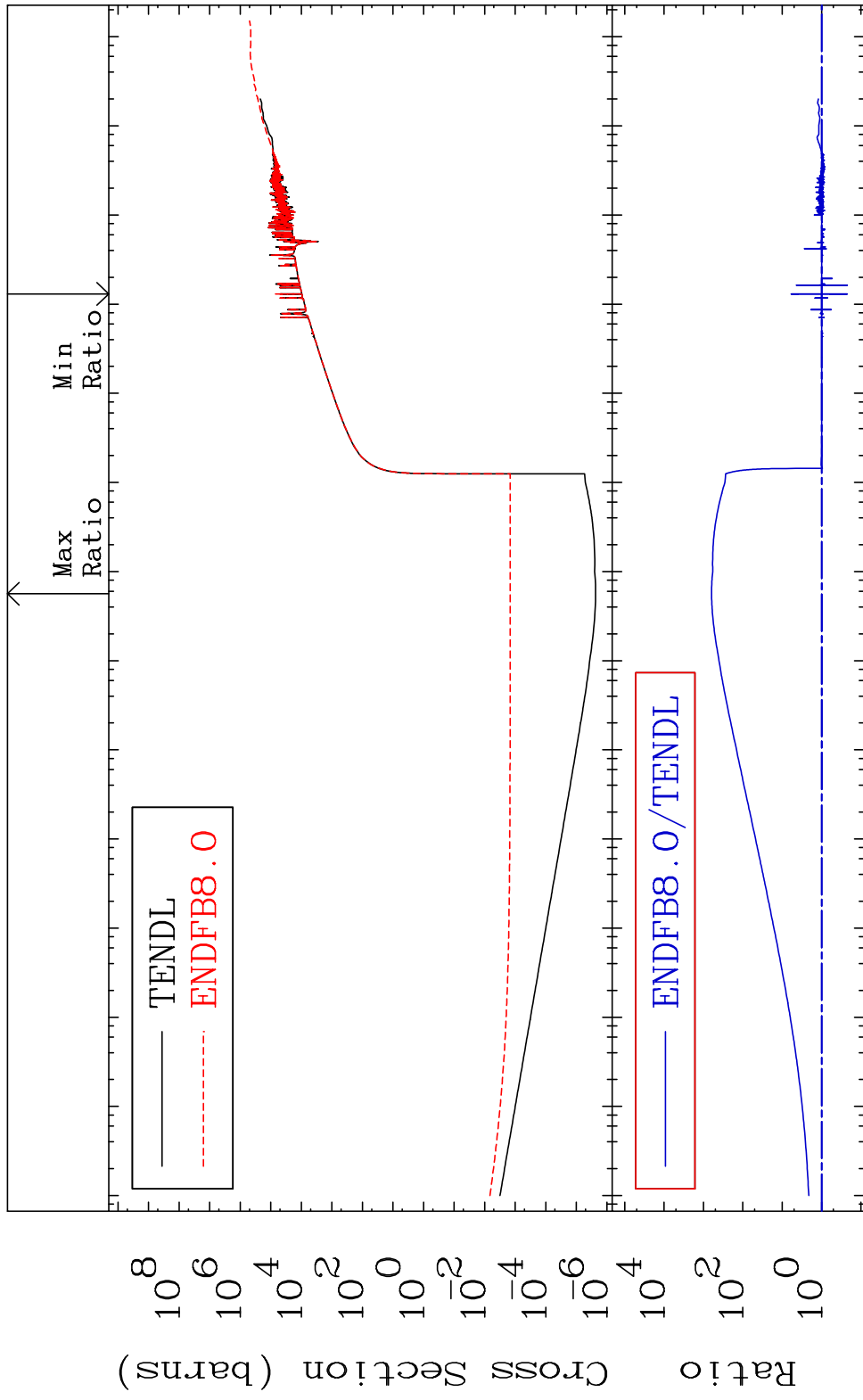


MAT 8237

Dpa total (eV-barns)

82-Pb-208

Cross Section -77.777 To 9999. %



45

Incident Energy (eV)

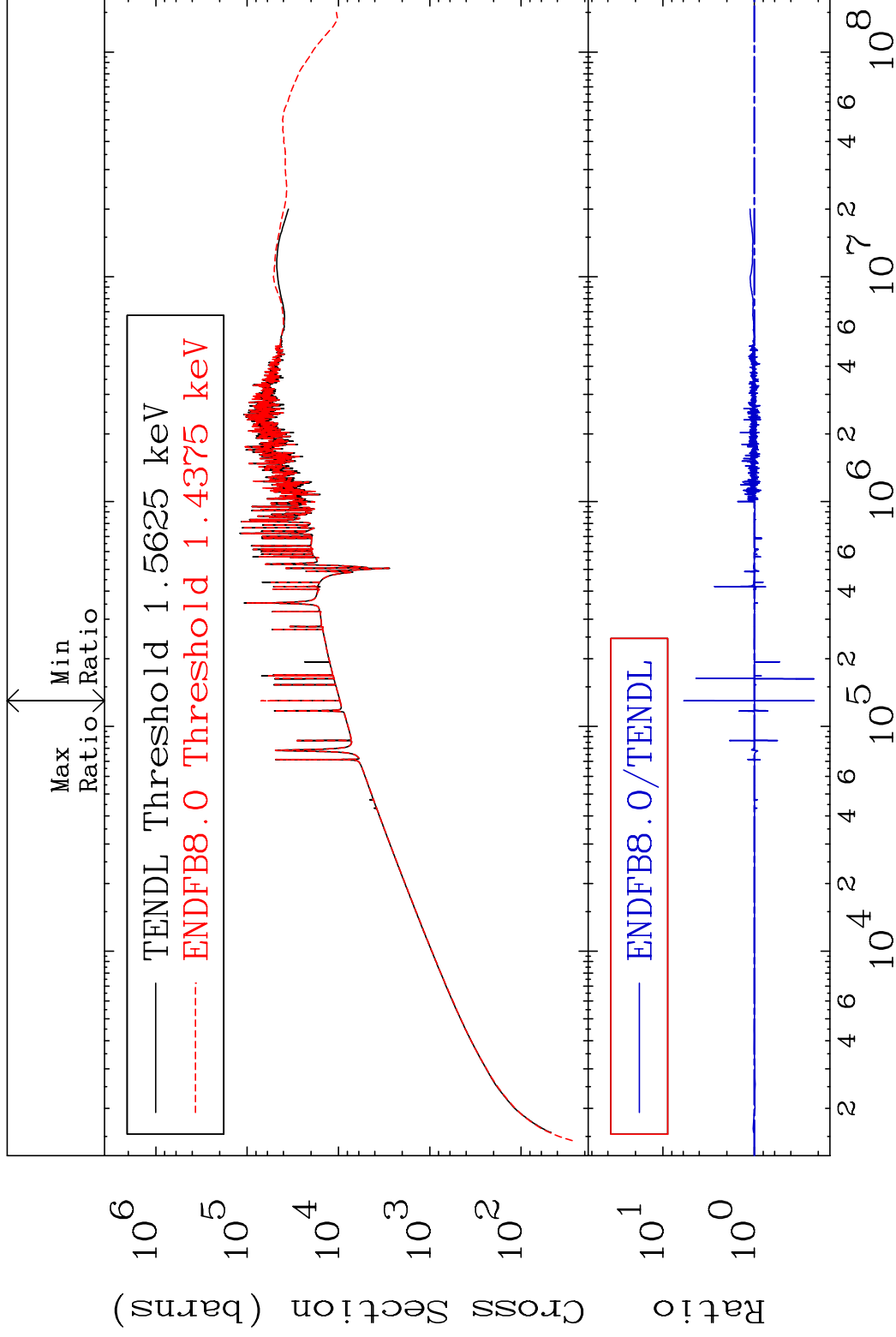
82-Pb-208

MAT 8237

Dpa elastic (mt2)

82-Pb-208

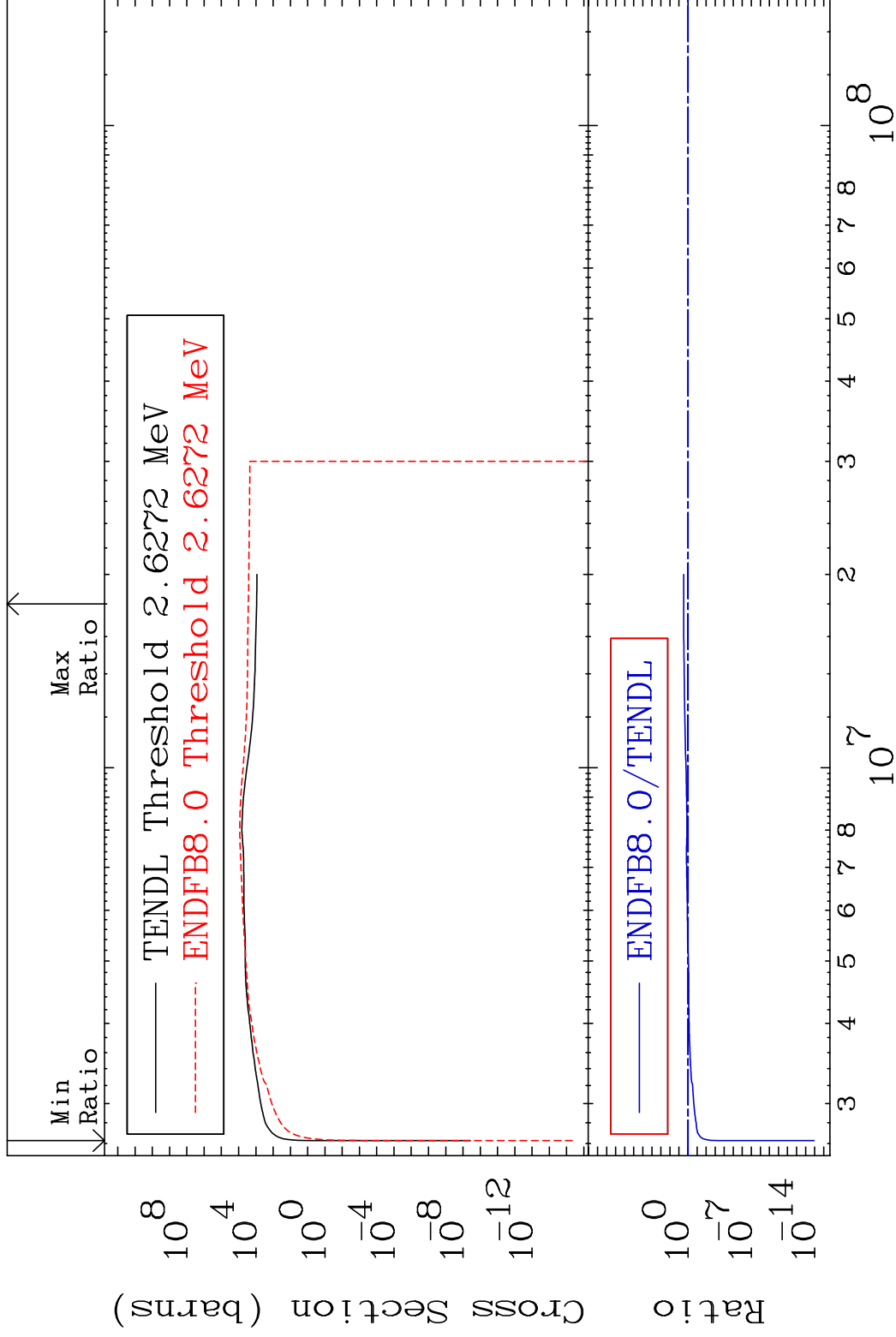
Cross Section -77.77 To 493.7 %



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Incident Energy (eV)

82-Pb-208



MAT 8237 Dpa disappearance (mt102 -120) 82-Pb-208
 Cross Section -99.92 To 9999. %

