

Program Complot
(Version 2021-1)

by

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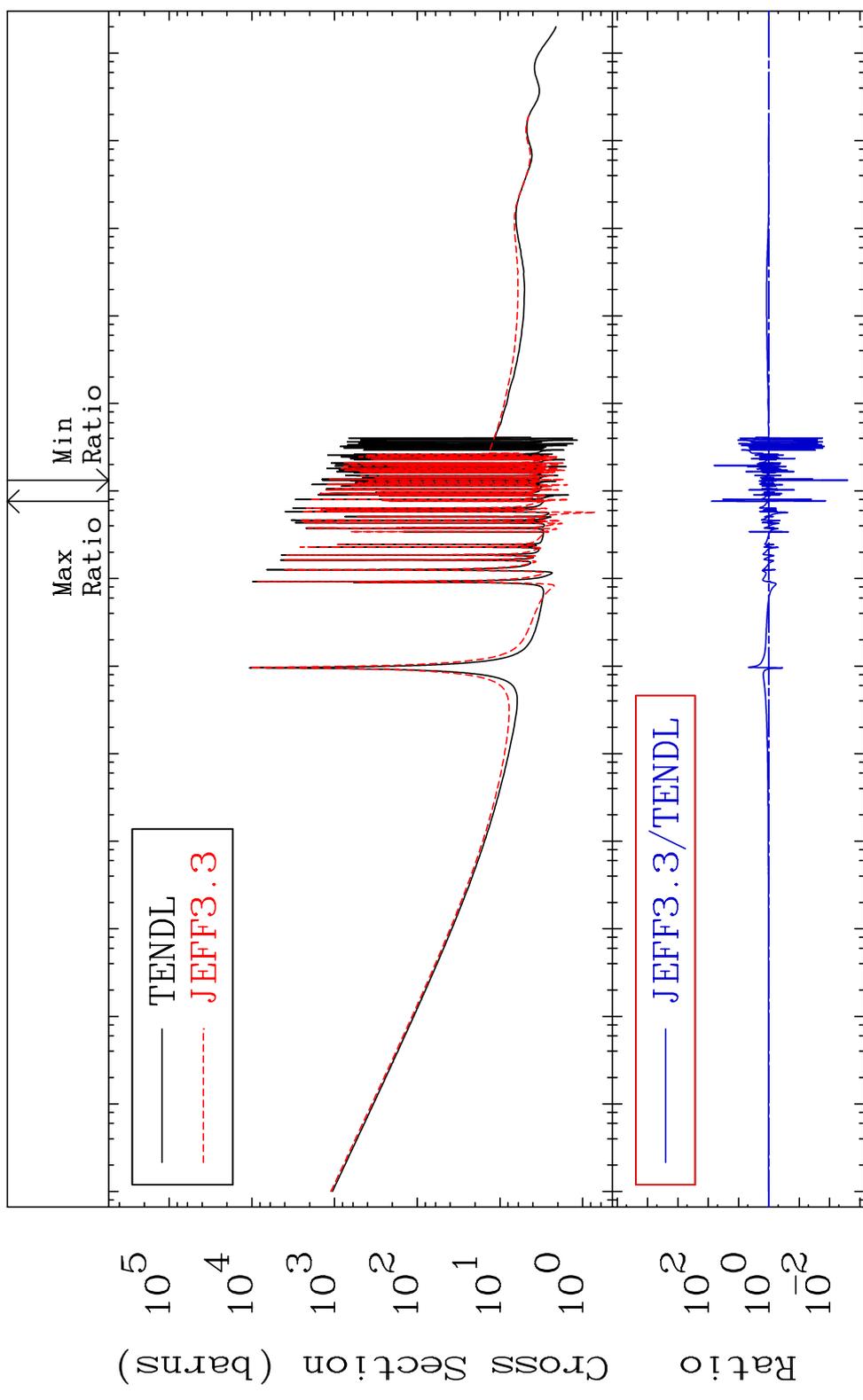
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Press Mouse Button to Start

MAT 5440

Total Cross Section -99.74 To 7579. %
54-Xe-129



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

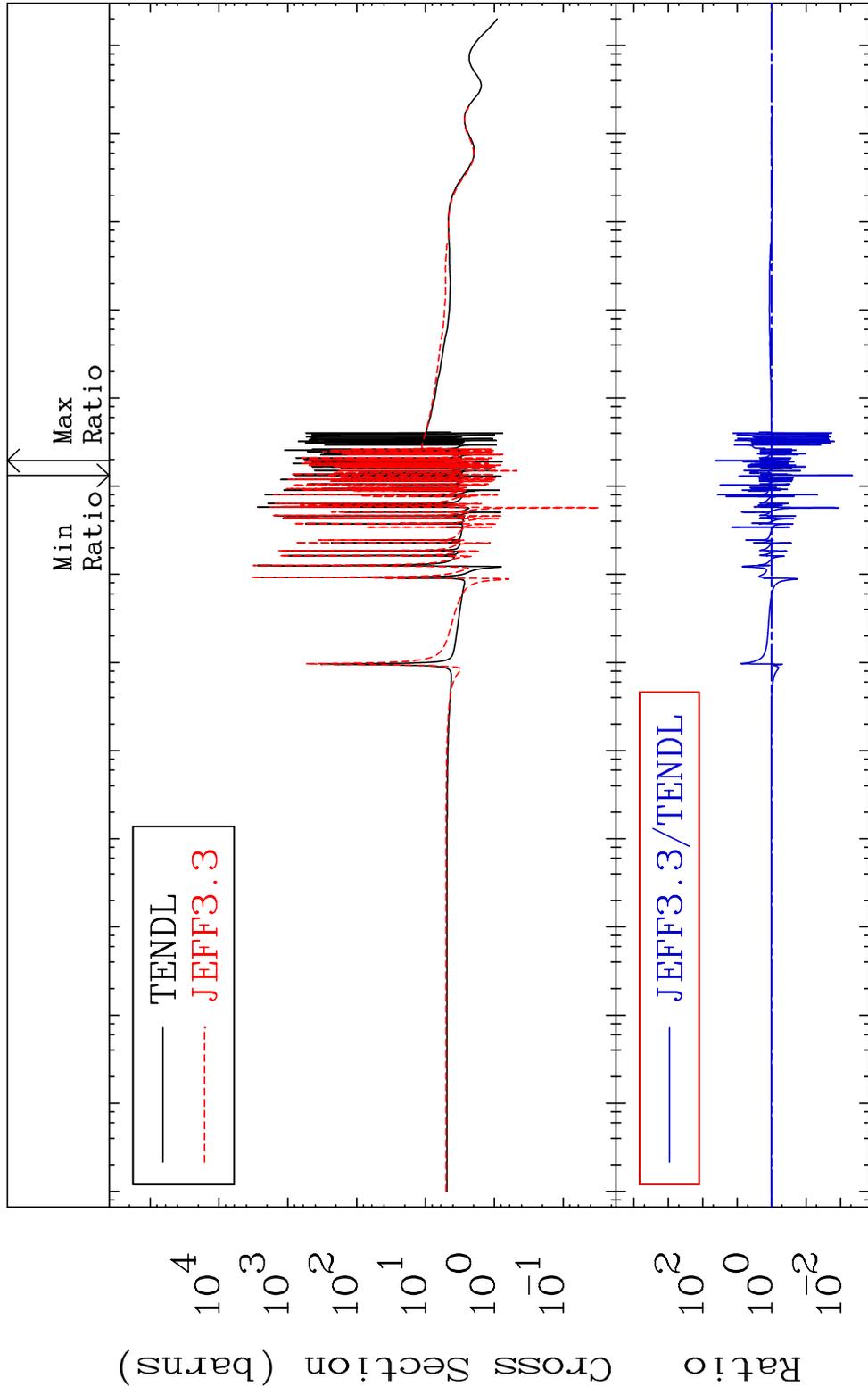
1 54-Xe-129

MAT 5440

Elastic

54-Xe-129

Cross Section -99.55 To 4080. %



2

Incident Energy (eV)

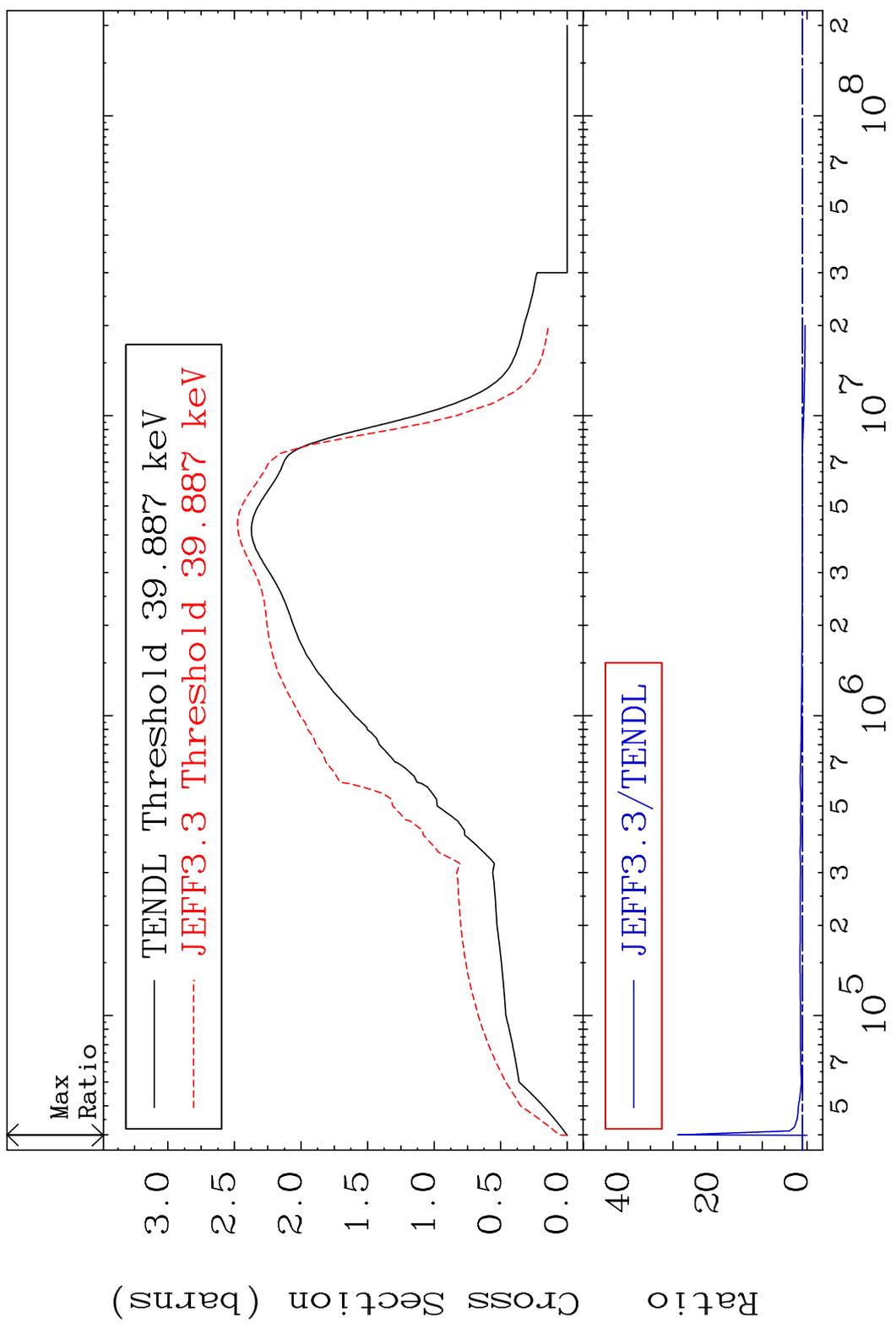
54-Xe-129

MAT 5440

Inelastic

54-Xe-129

Cross Section -100.0 To 2793. %



3

Incident Energy (eV)

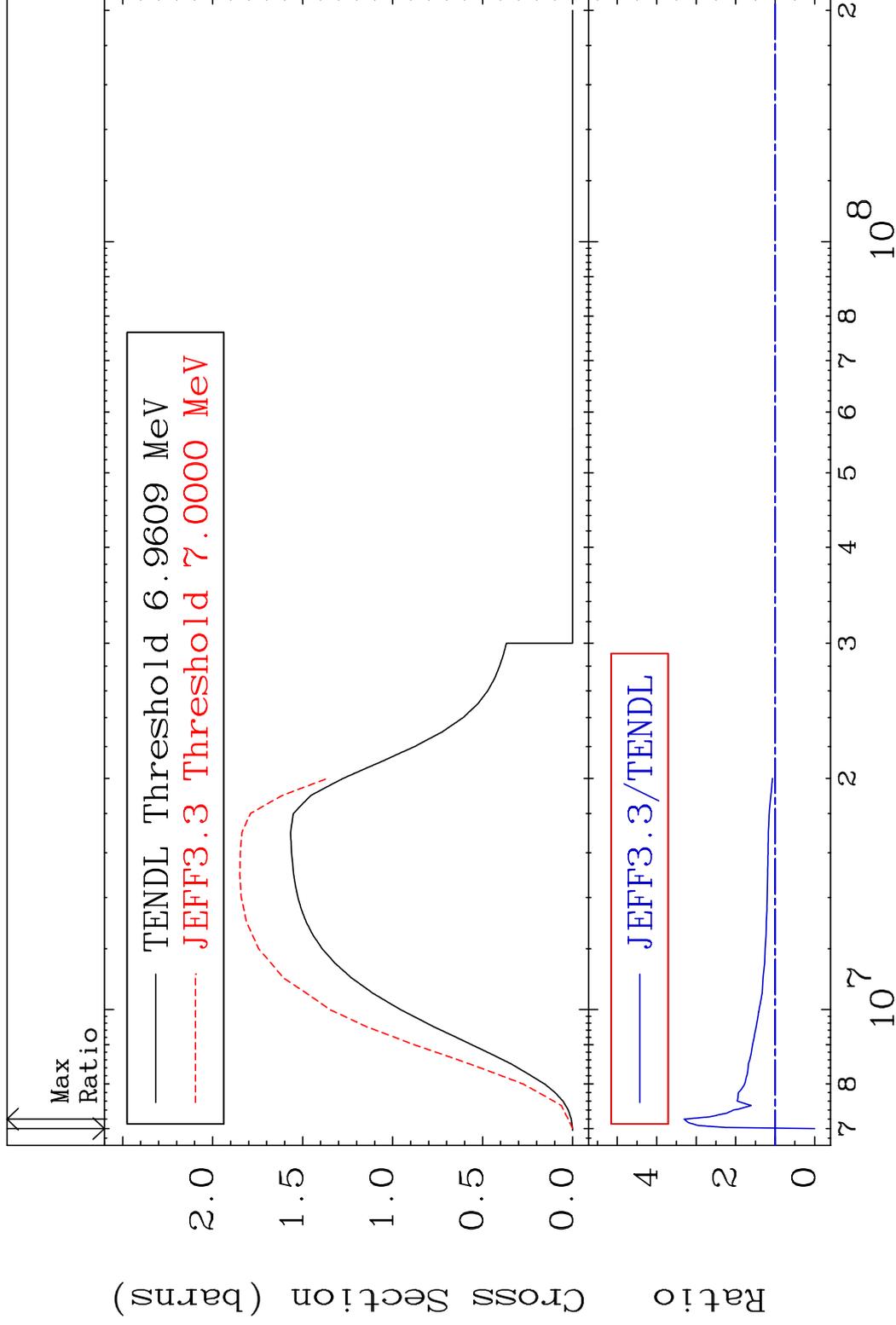
54-Xe-129

MAT 5440

(n,2n)

54-Xe-129

Cross Section -100.0 To 230.6 %



4

Incident Energy (eV)

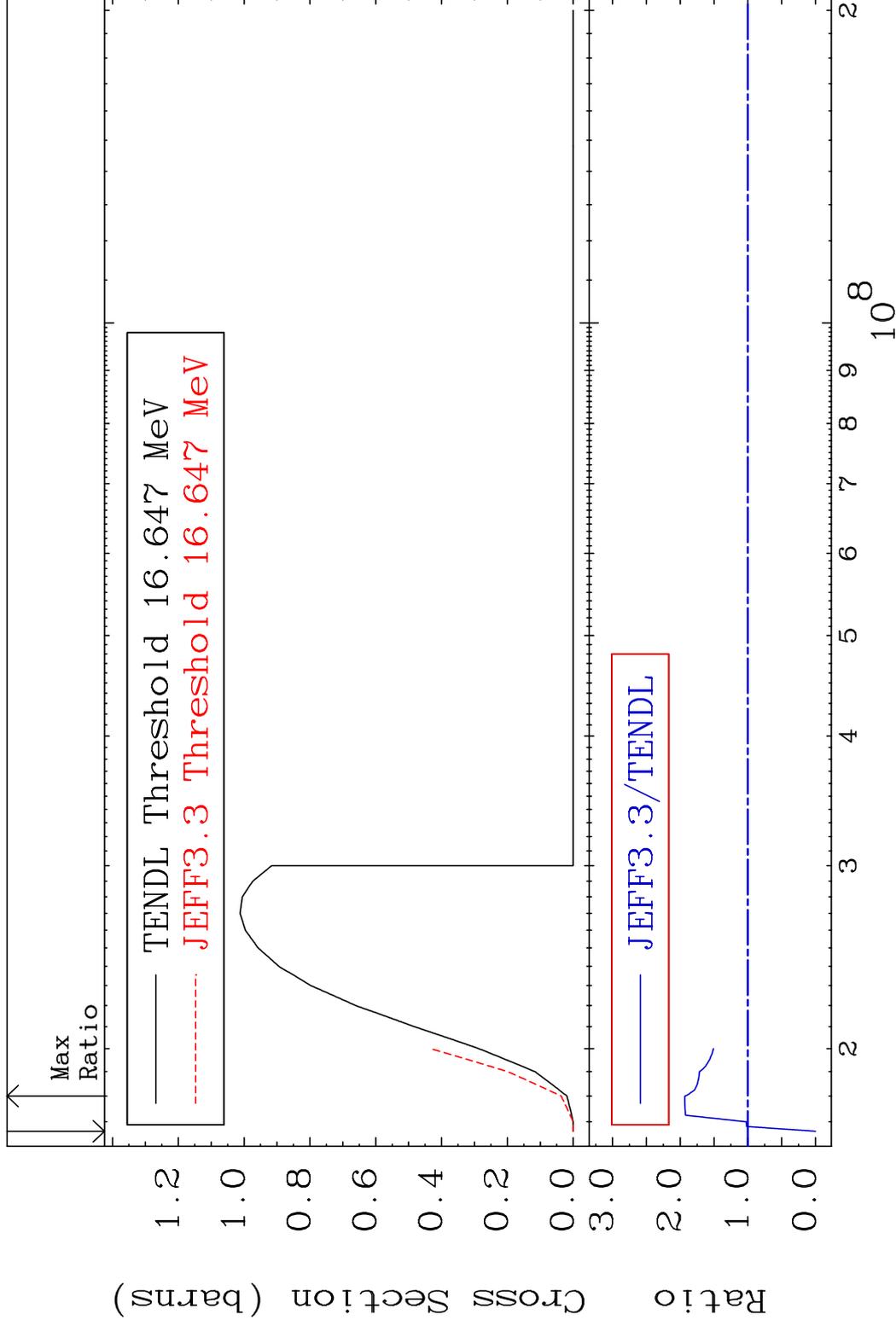
54-Xe-129

MAT 5440

(n,3n)

54-Xe-129

Cross Section -100.0 To 93.25 %

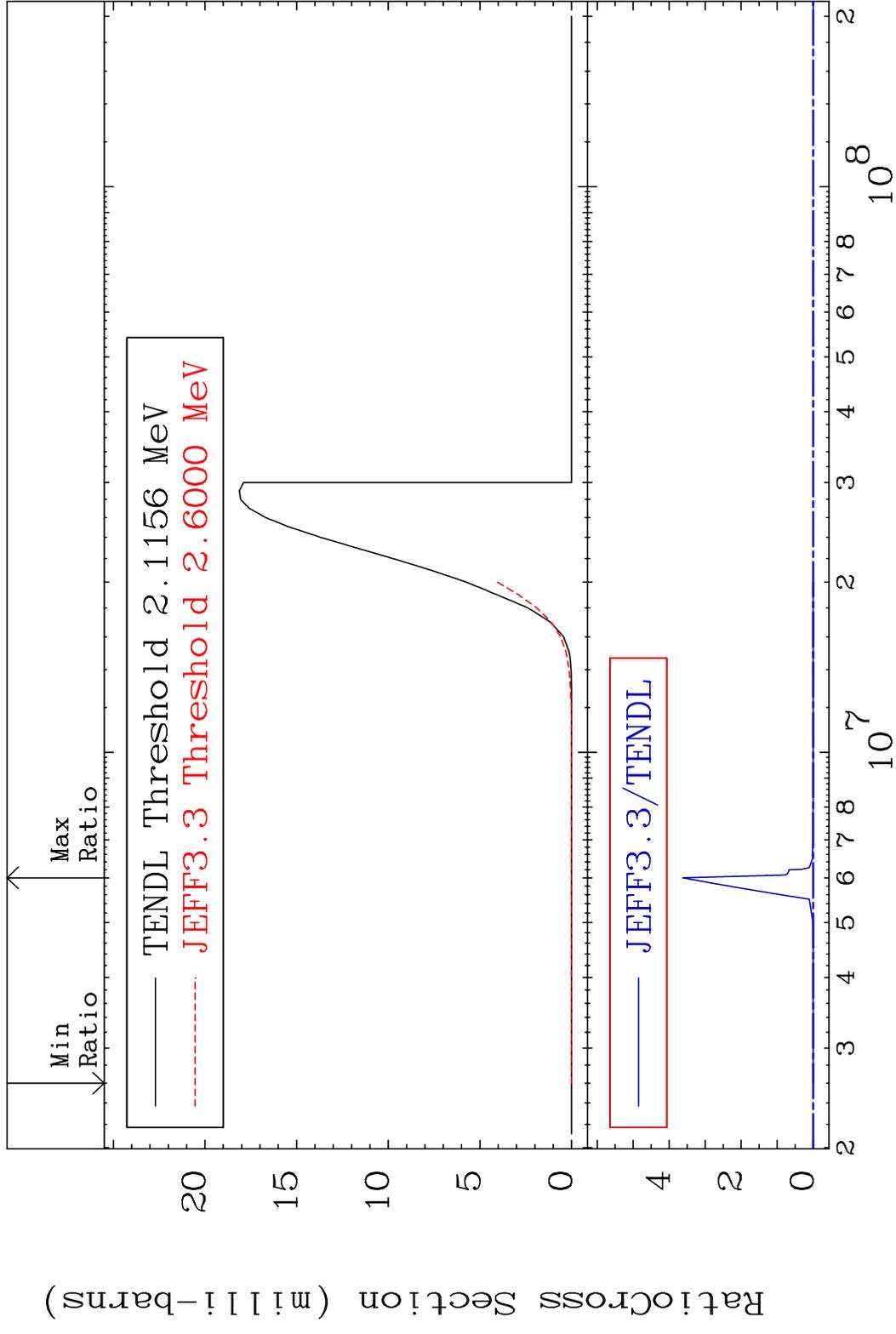


5

Incident Energy (eV)

54-Xe-129

MAT 5440 (n, n') α 54-Xe-129
 Cross Section -100.0 To 9999. %

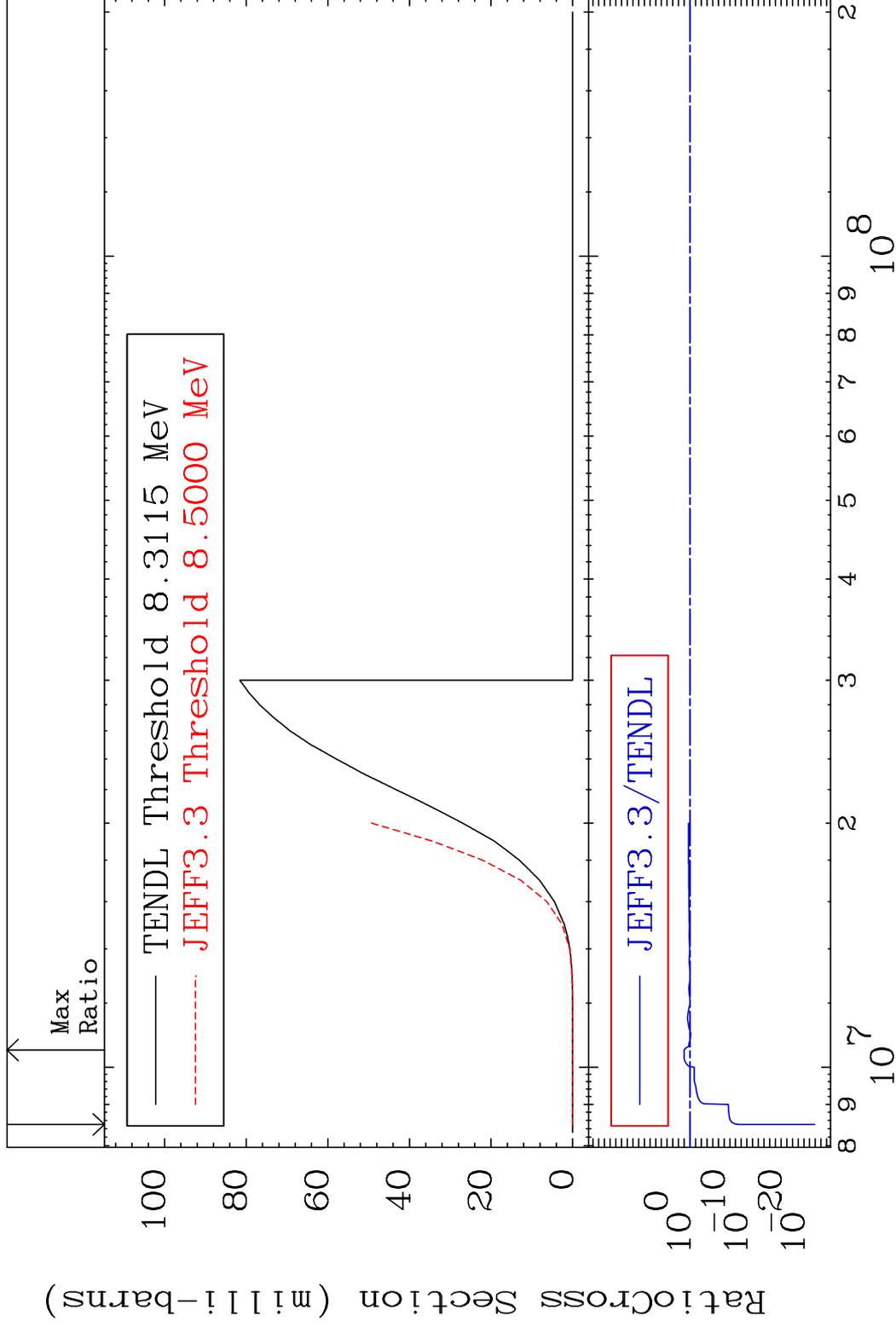


MAT 5440

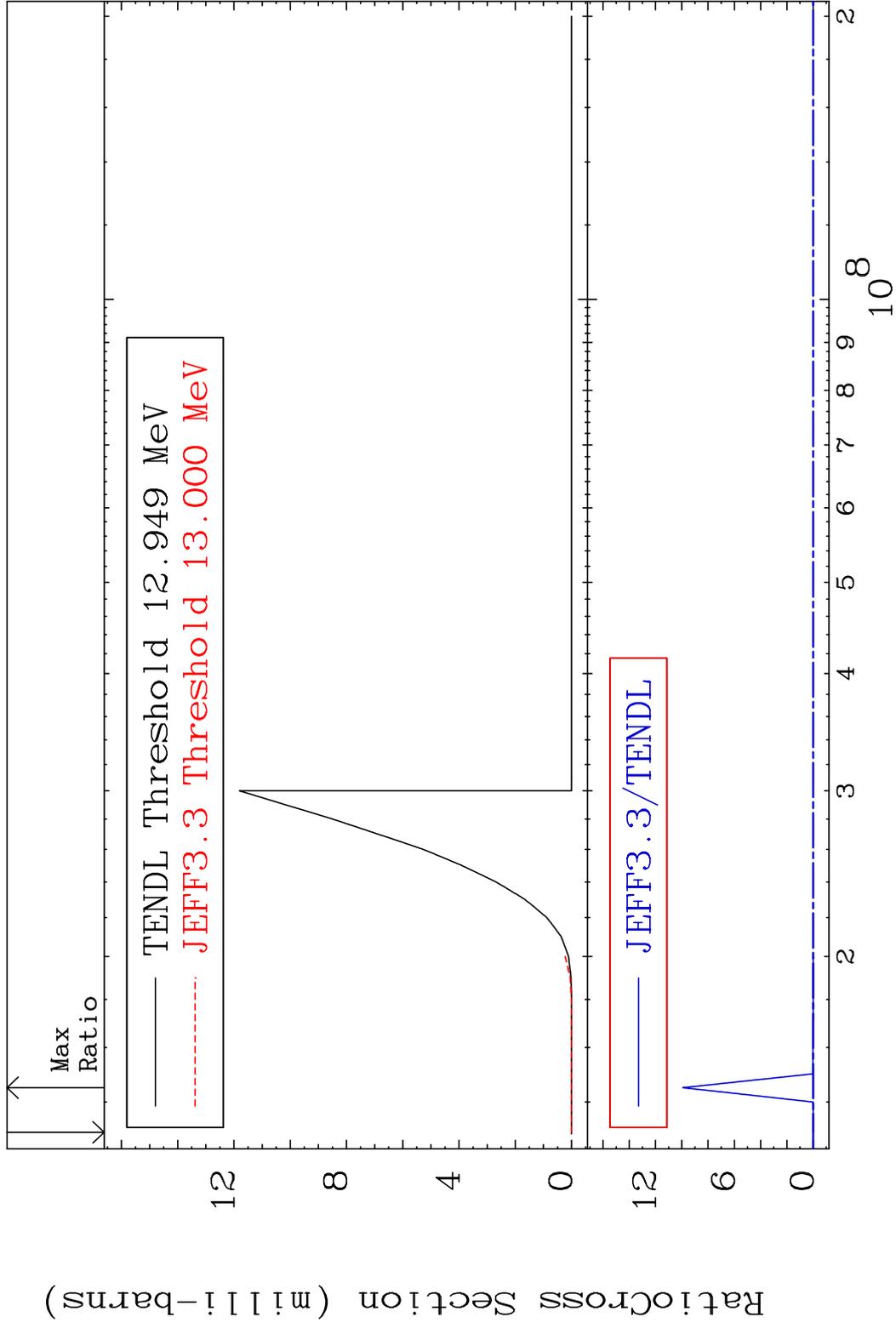
(n, n') p

54-Xe-129

Cross Section -100.0 To 929.6 %

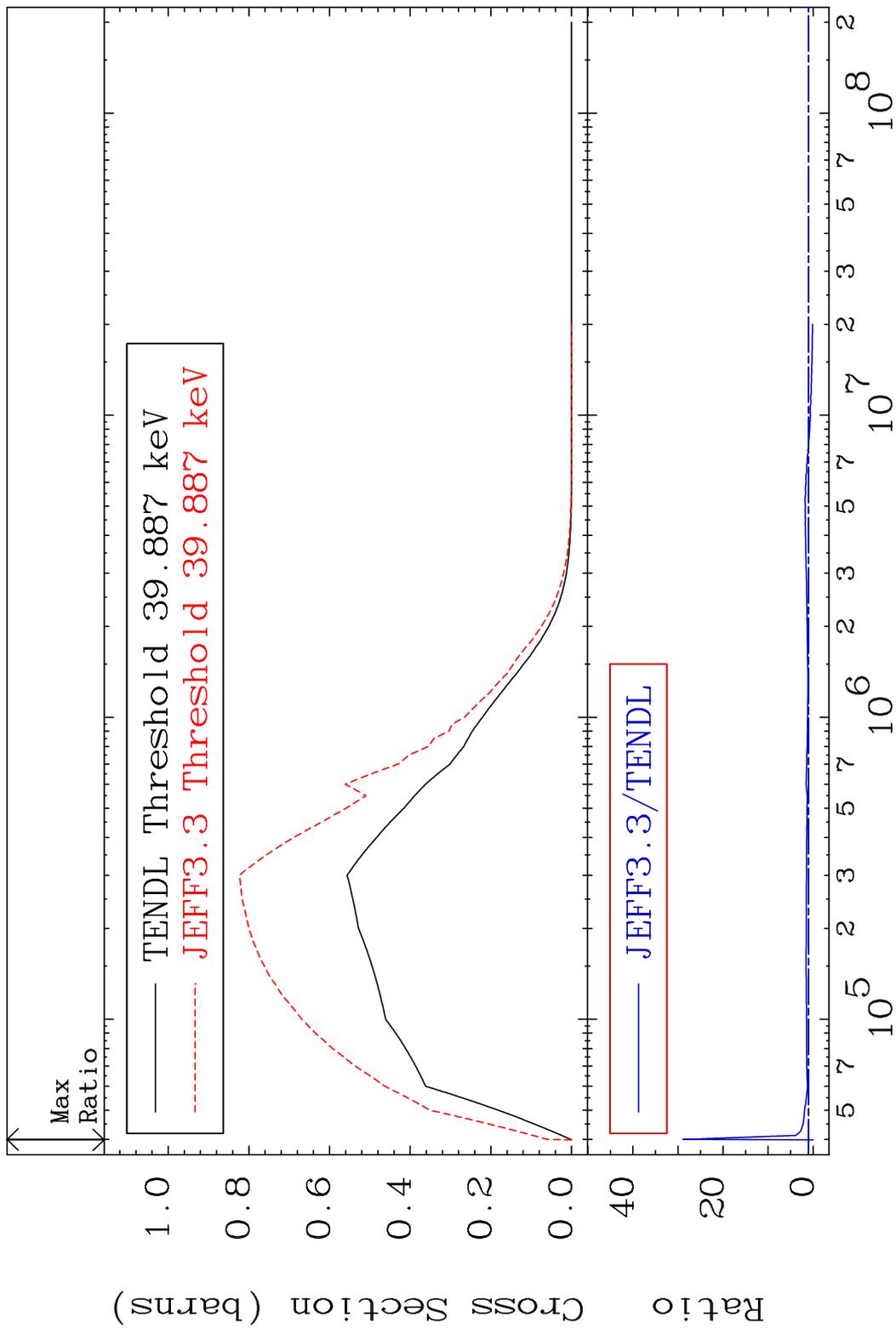


MAT 5440 (n, n') d 54-Xe-129
 Cross Section -100.0 To 9999. %

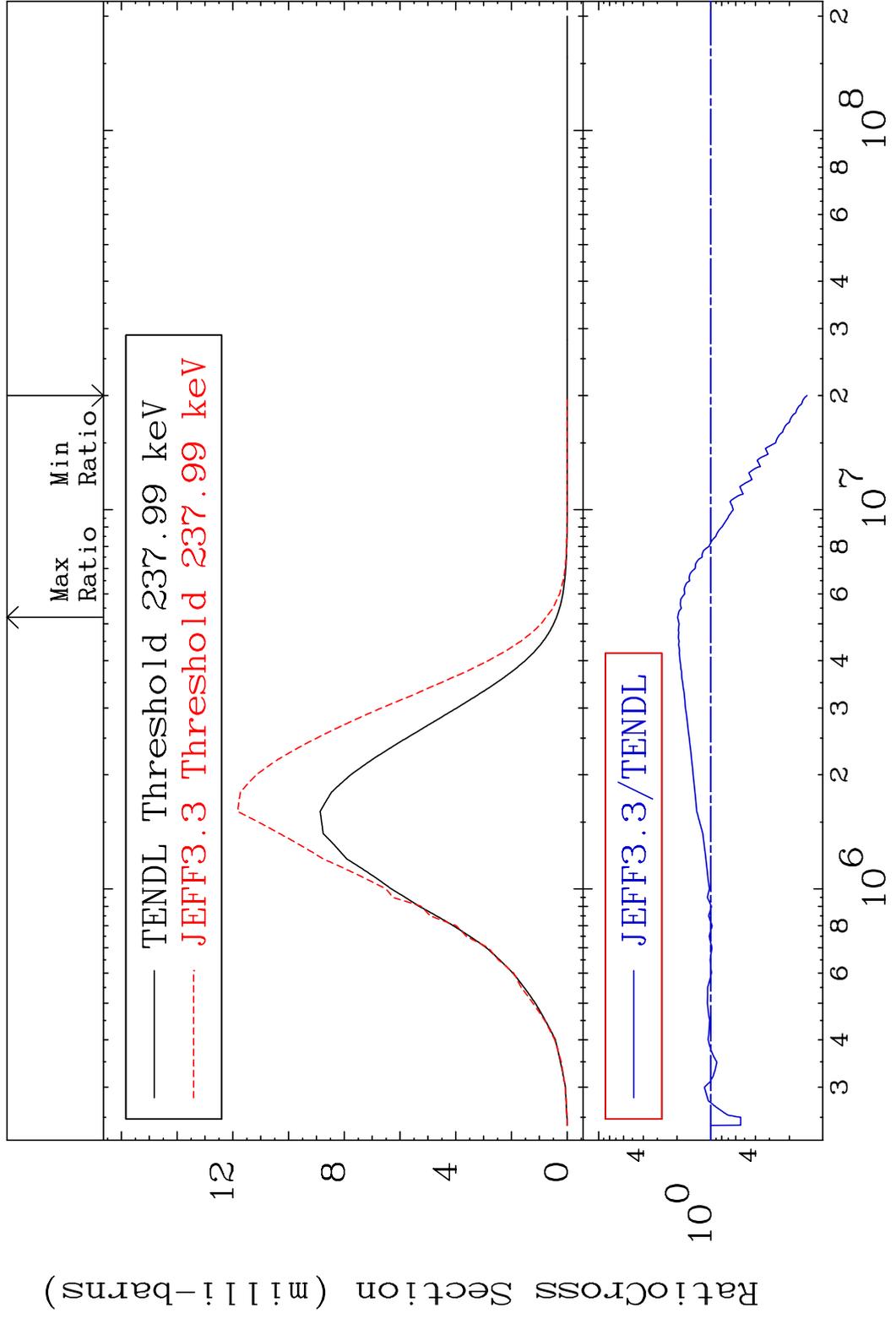


8 Incident Energy (eV) 54-Xe-129

MAT 5440 MT= 51 (n, n') Level 54-Xe-129
 Cross Section -100.0 To 2793. %

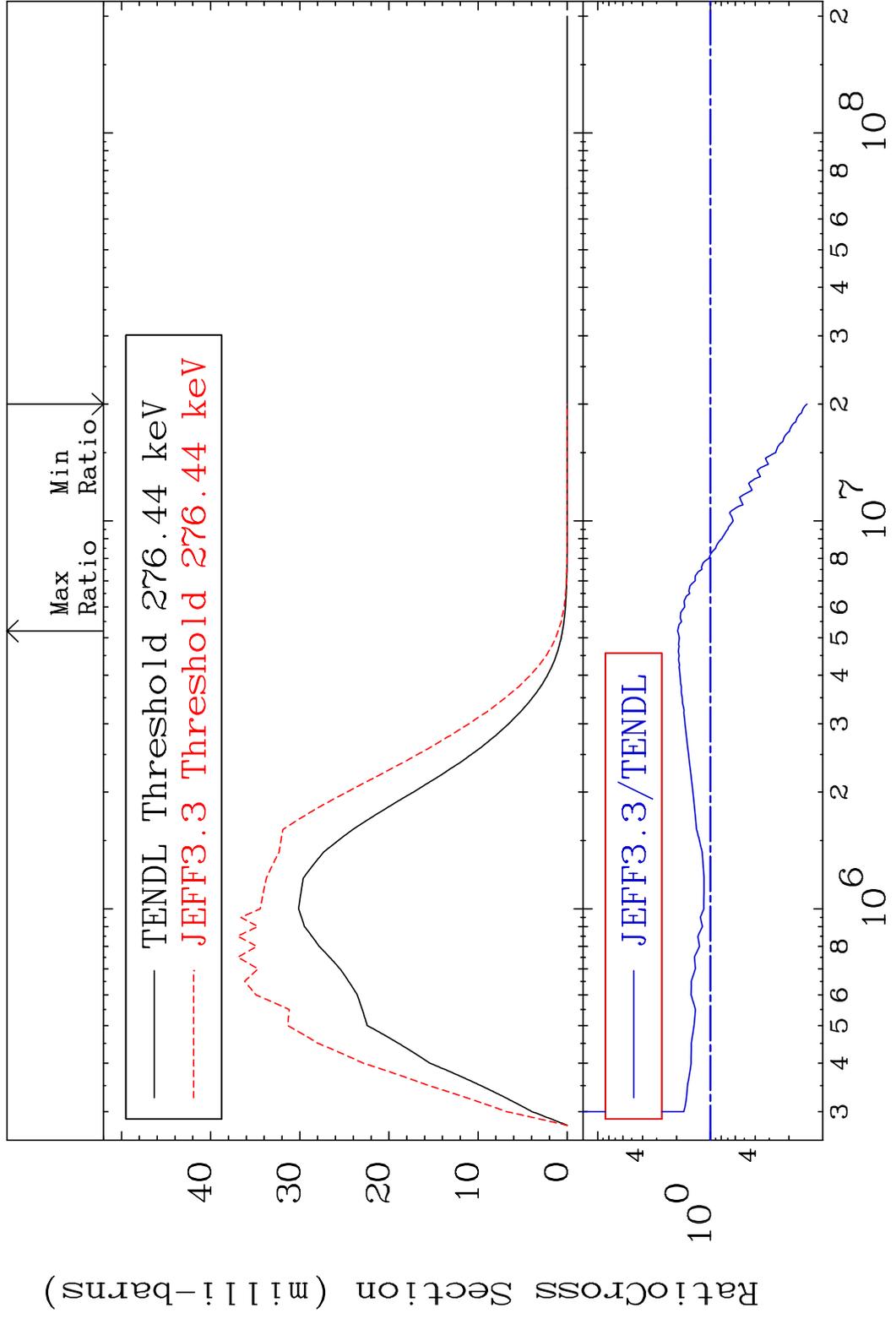


MAT 5440 MT= 52 (n, n') Level 54-Xe-129
 Cross Section -86.10 To 97.42 %

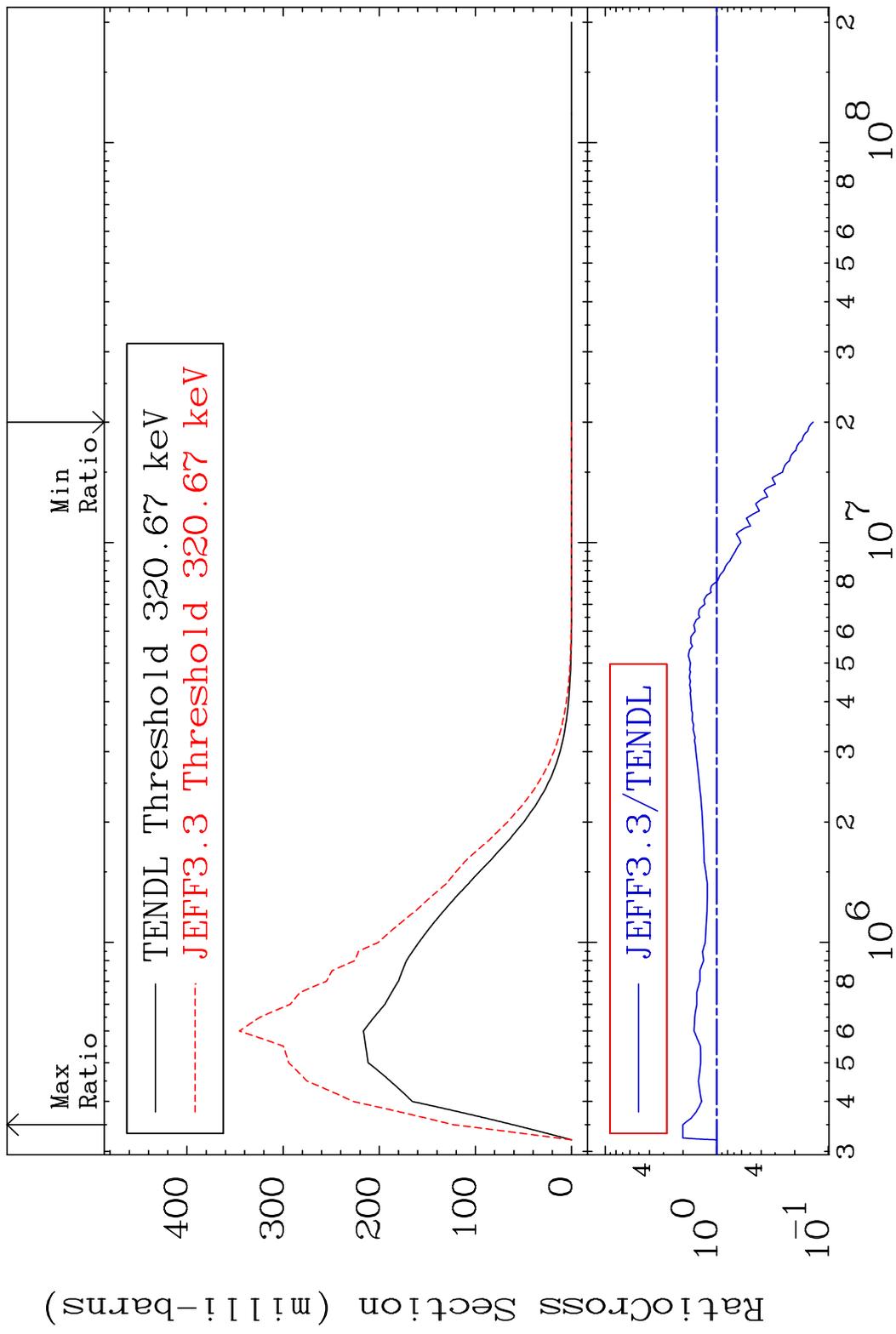


10 Incident Energy (eV) 54-Xe-129

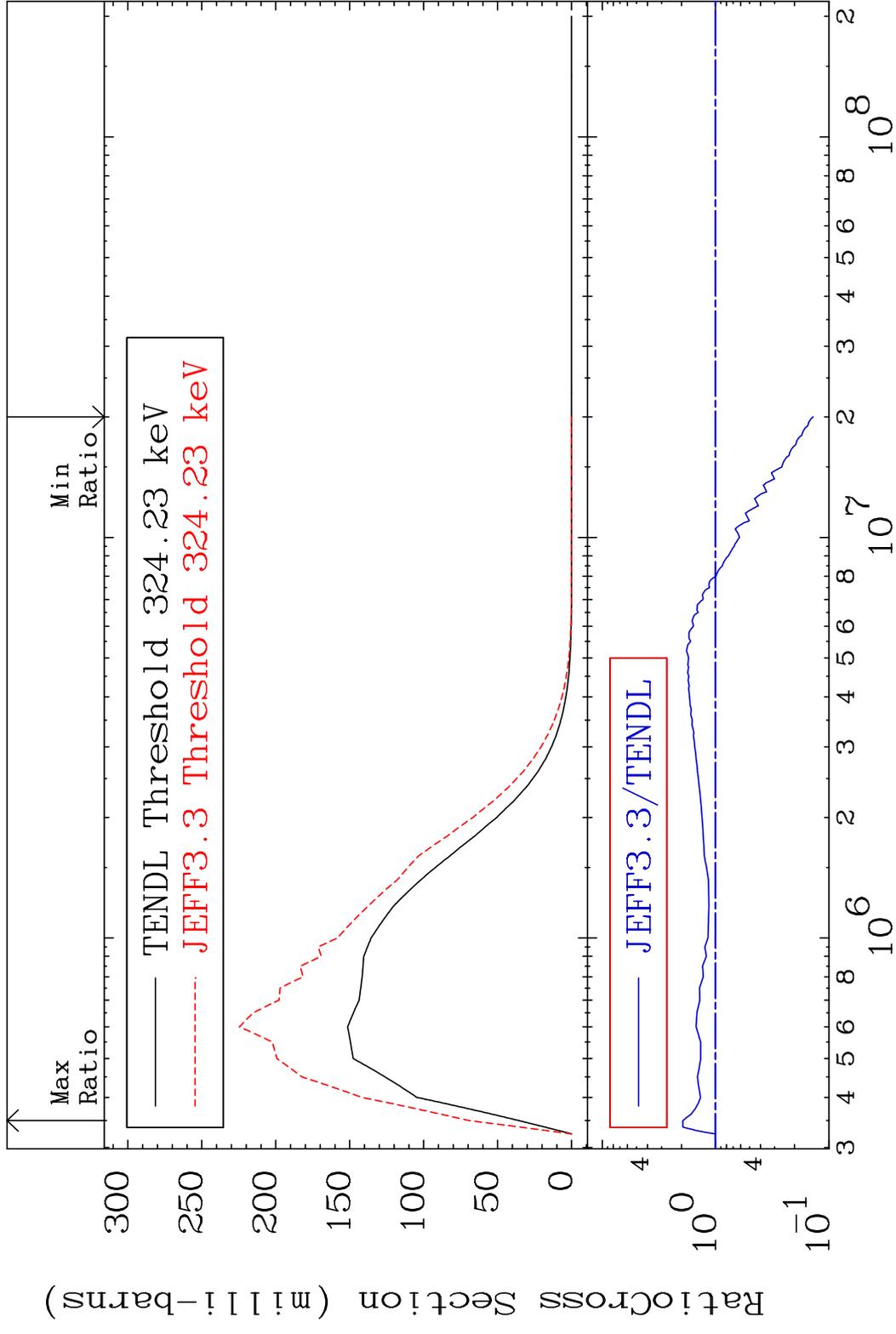
MAT 5440 MT= 53 (n, n') Level 54-Xe-129
 Cross Section -86.17 To 95.18 %



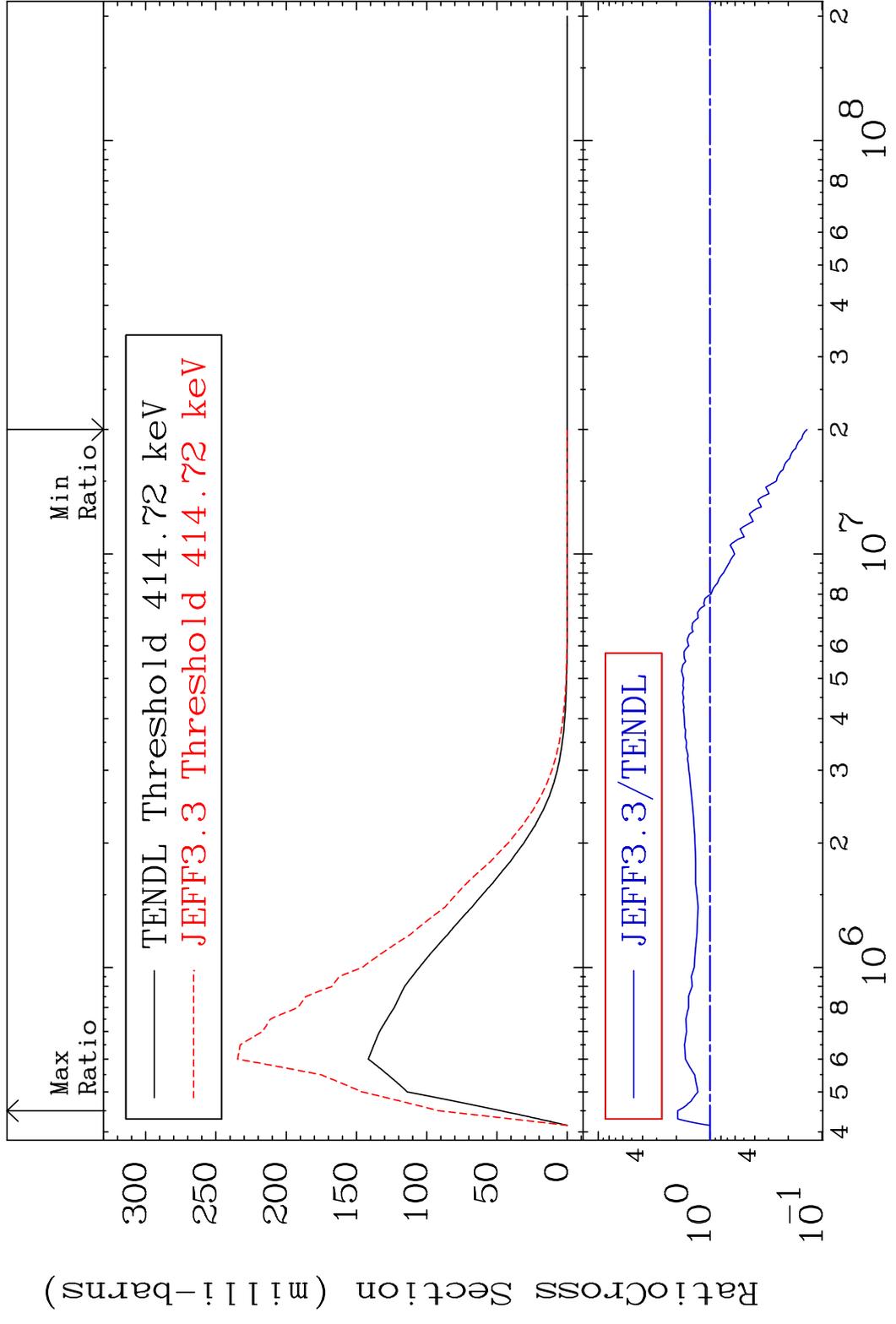
MAT 5440 MT= 54 (n, n') Level 54-Xe-129
 Cross Section -86.35 To 101.5 %



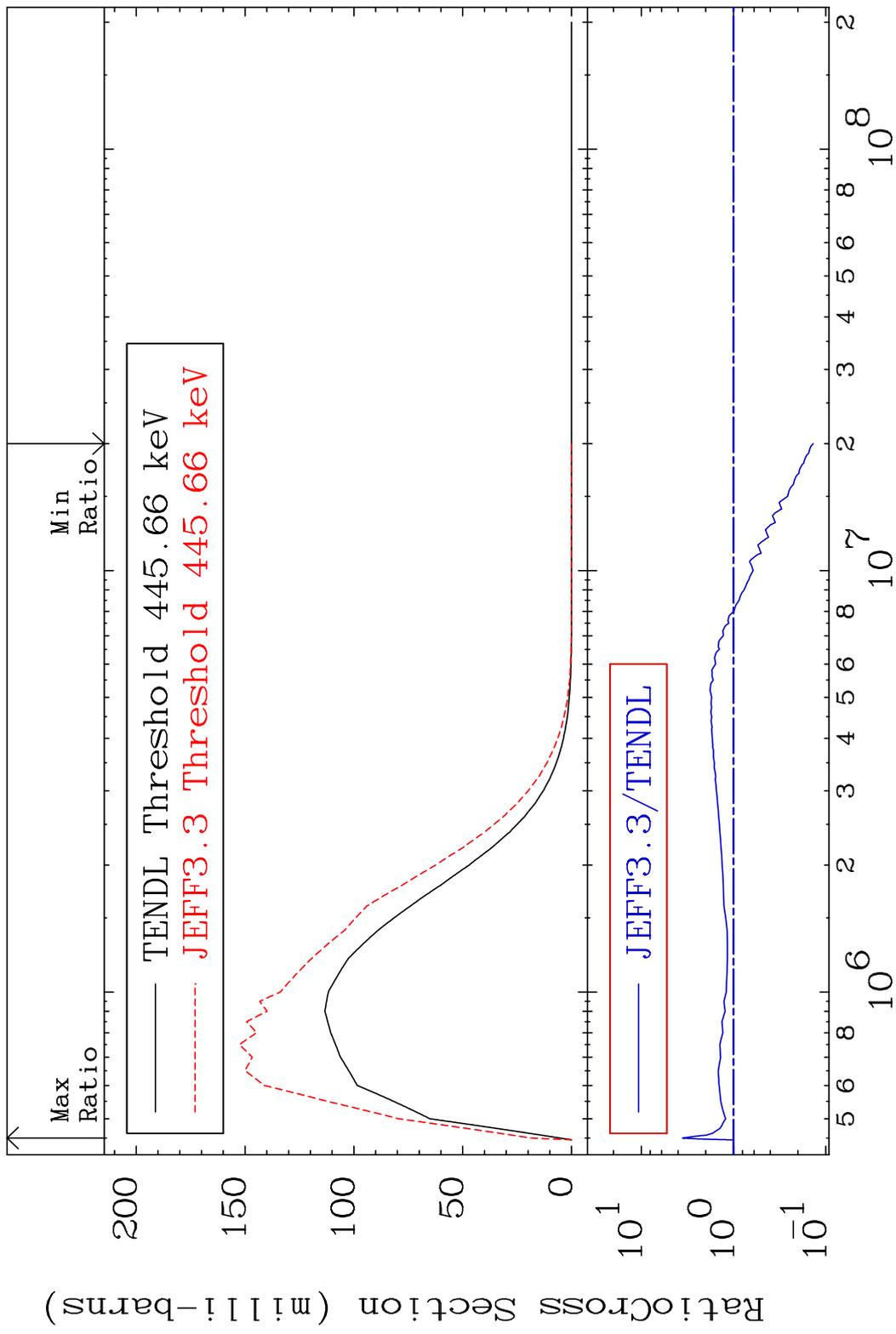
MAT 5440 MT= 55 (n, n') Level 54-Xe-129
 Cross Section -86.29 To 94.49 %



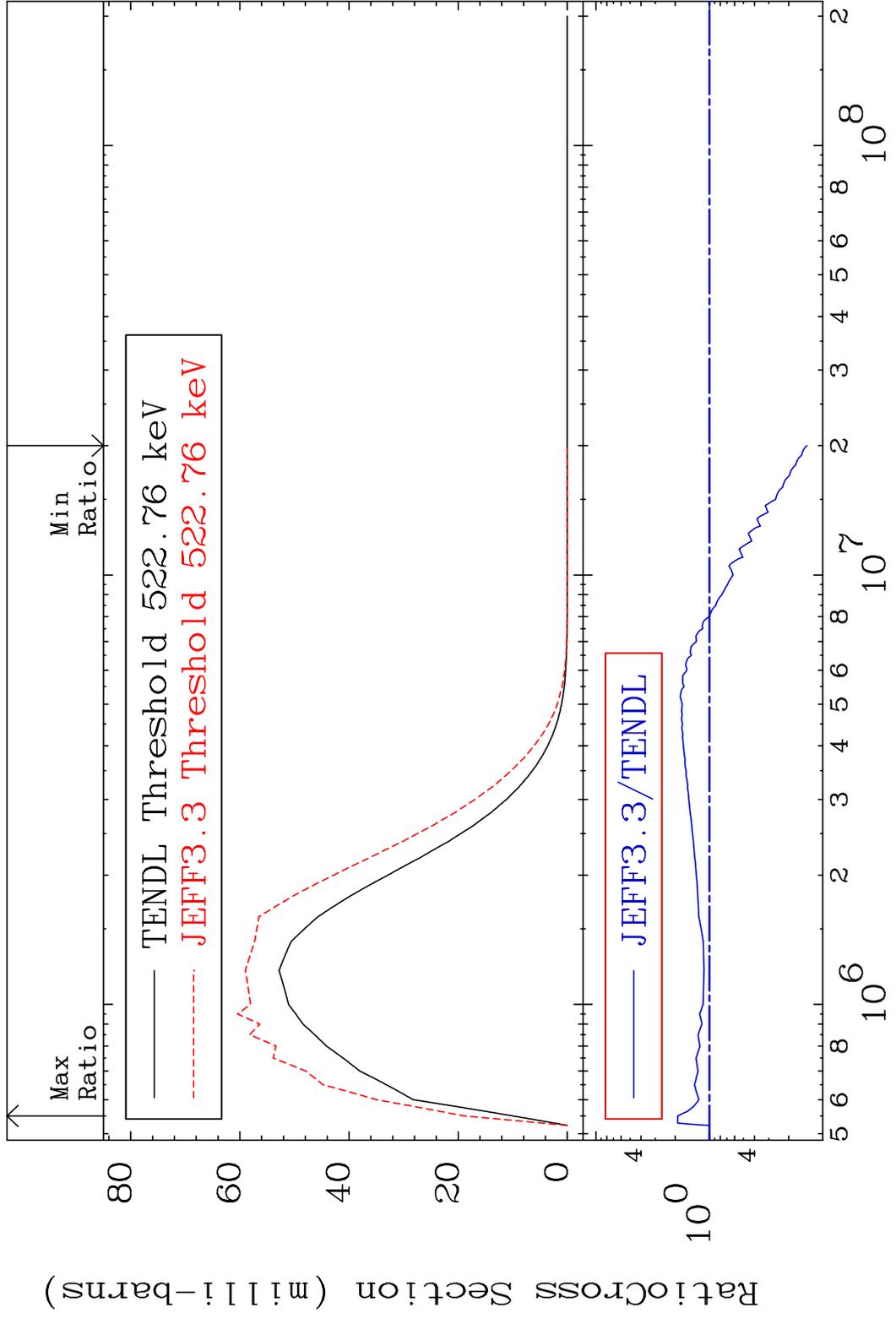
MAT 5440 MT= 56 (n, n') Level 54-Xe-129
 Cross Section -86.38 To 94.75 %



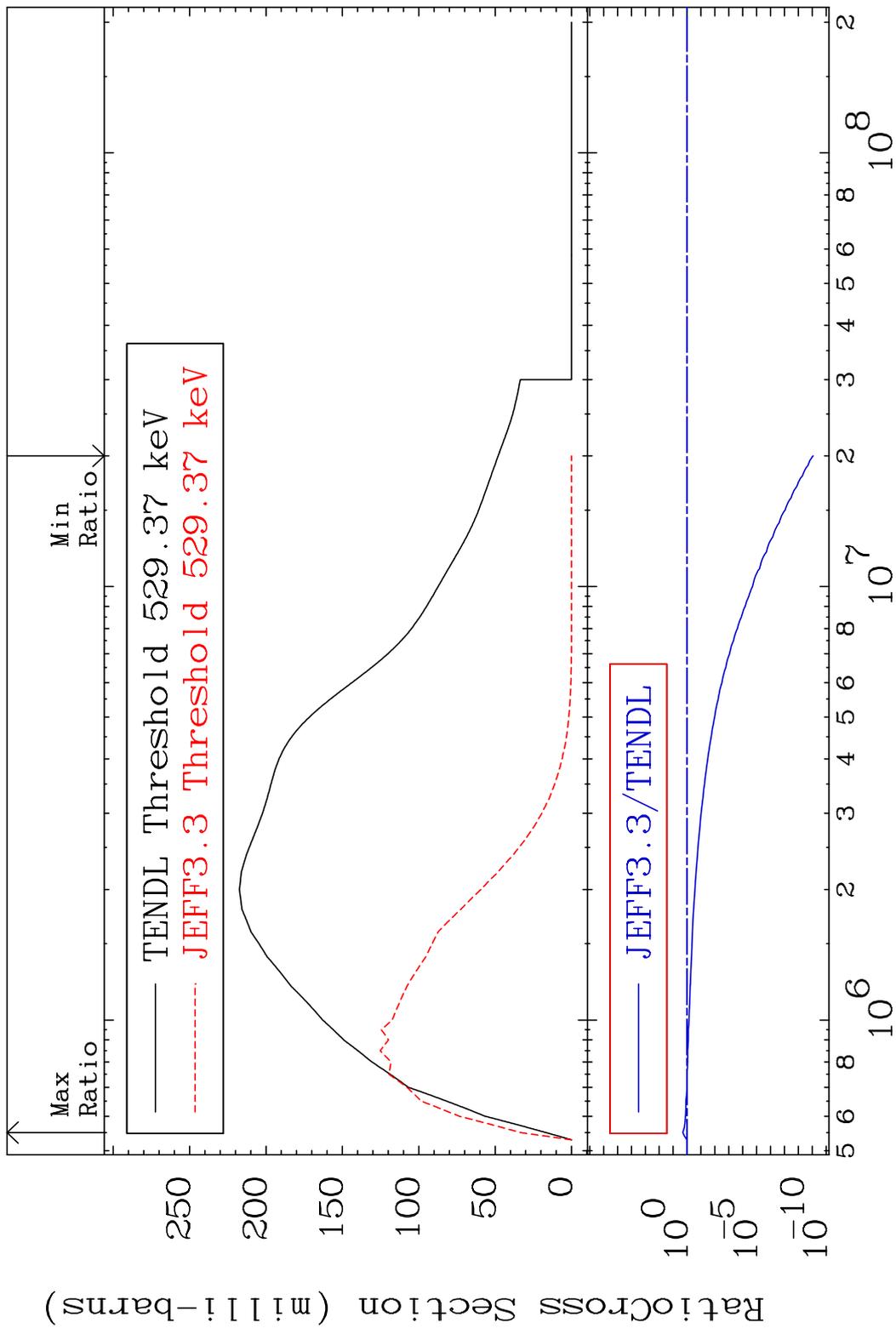
MAT 5440 MT= 57 (n, n') Level 54-Xe-129
 Cross Section -86.29 To 254.3 %



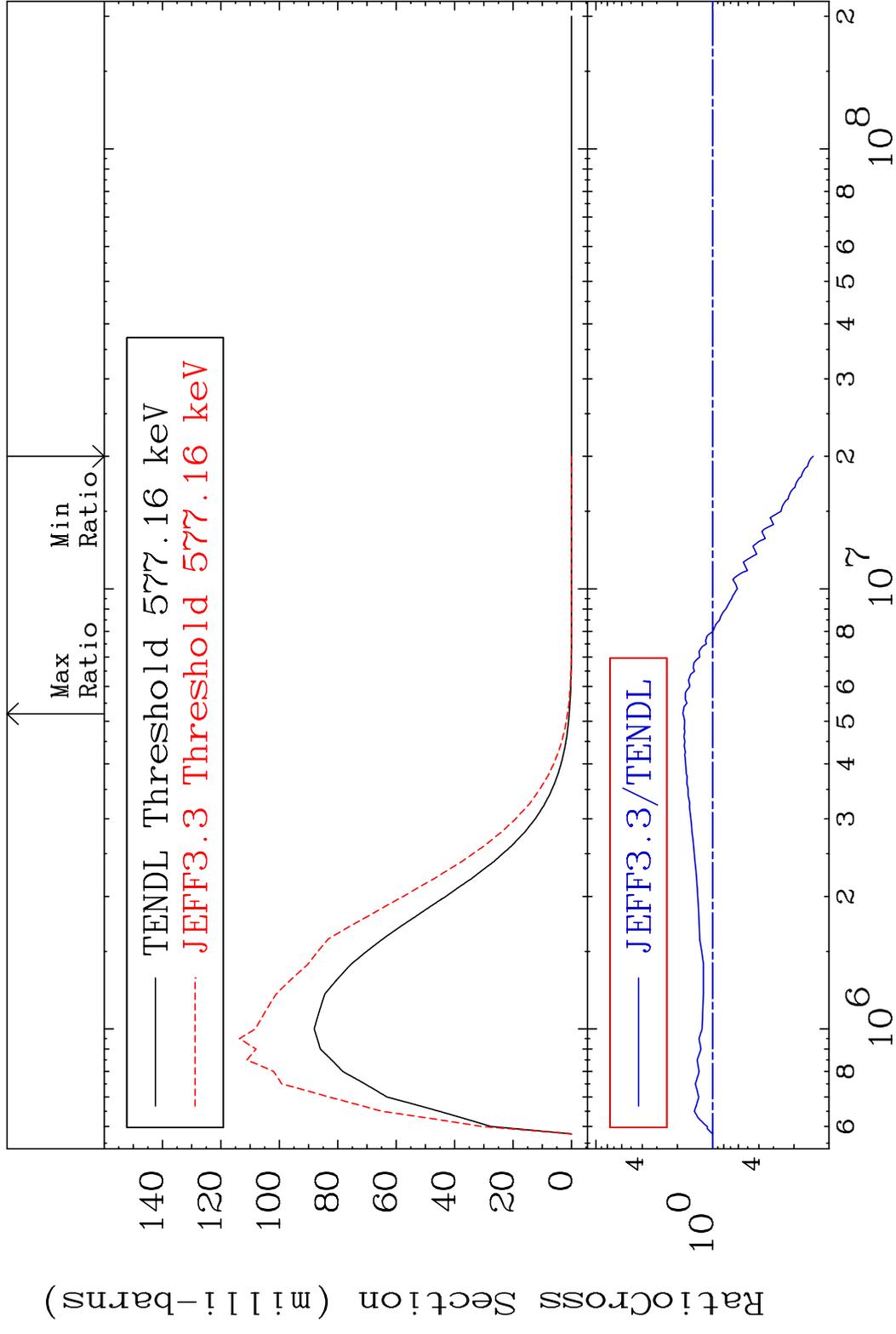
MAT 5440 MT= 58 (n, n') Level 54-Xe-129
 Cross Section -86.22 To 90.19 %



MAT 5440 MT= 59 (n, n') Level 54-Xe-129
 Cross Section -100.0 To 100.8 %

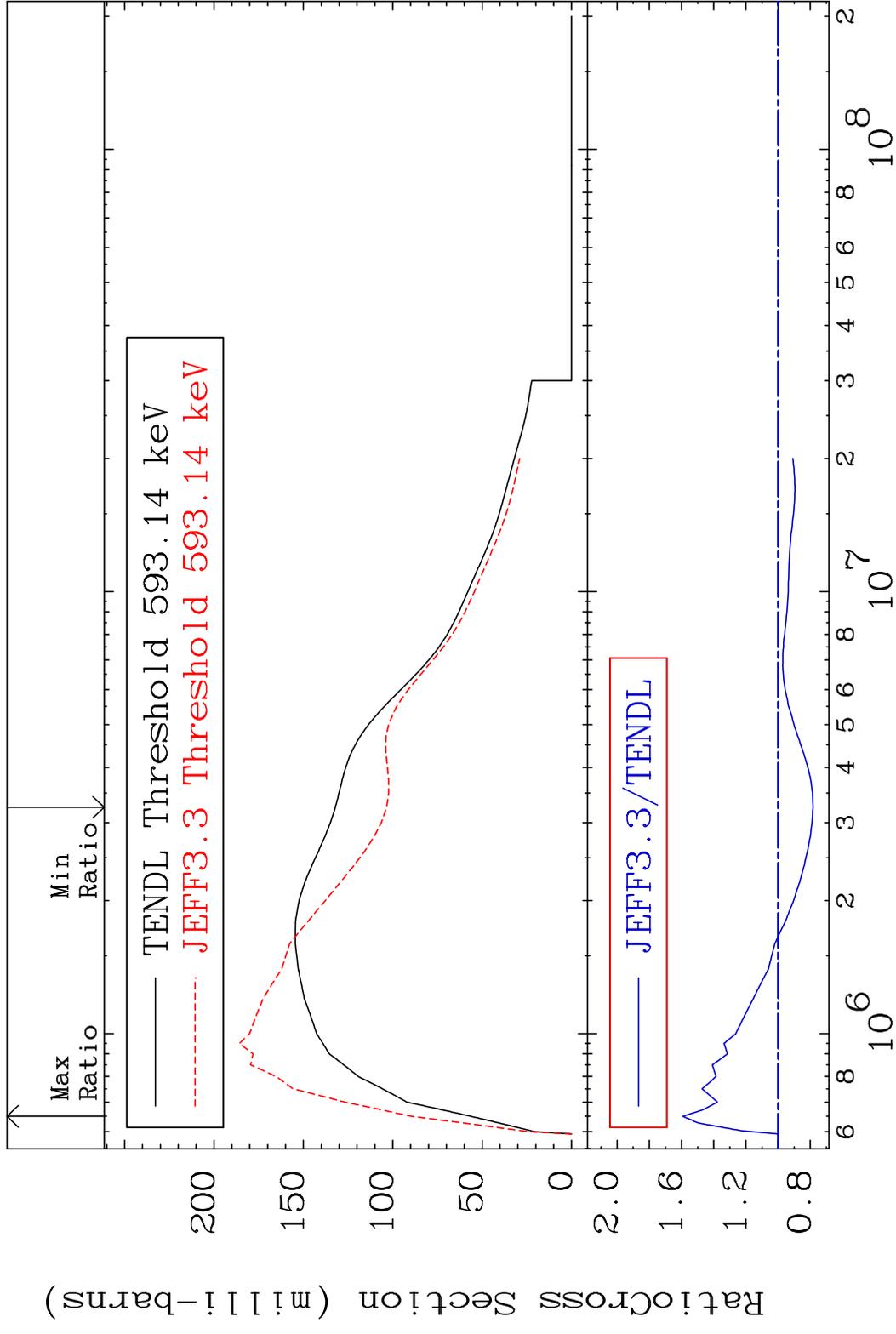


MAT 5440 MT= 60 (n, n') Level 54-Xe-129
 Cross Section -86.29 To 79.77 %

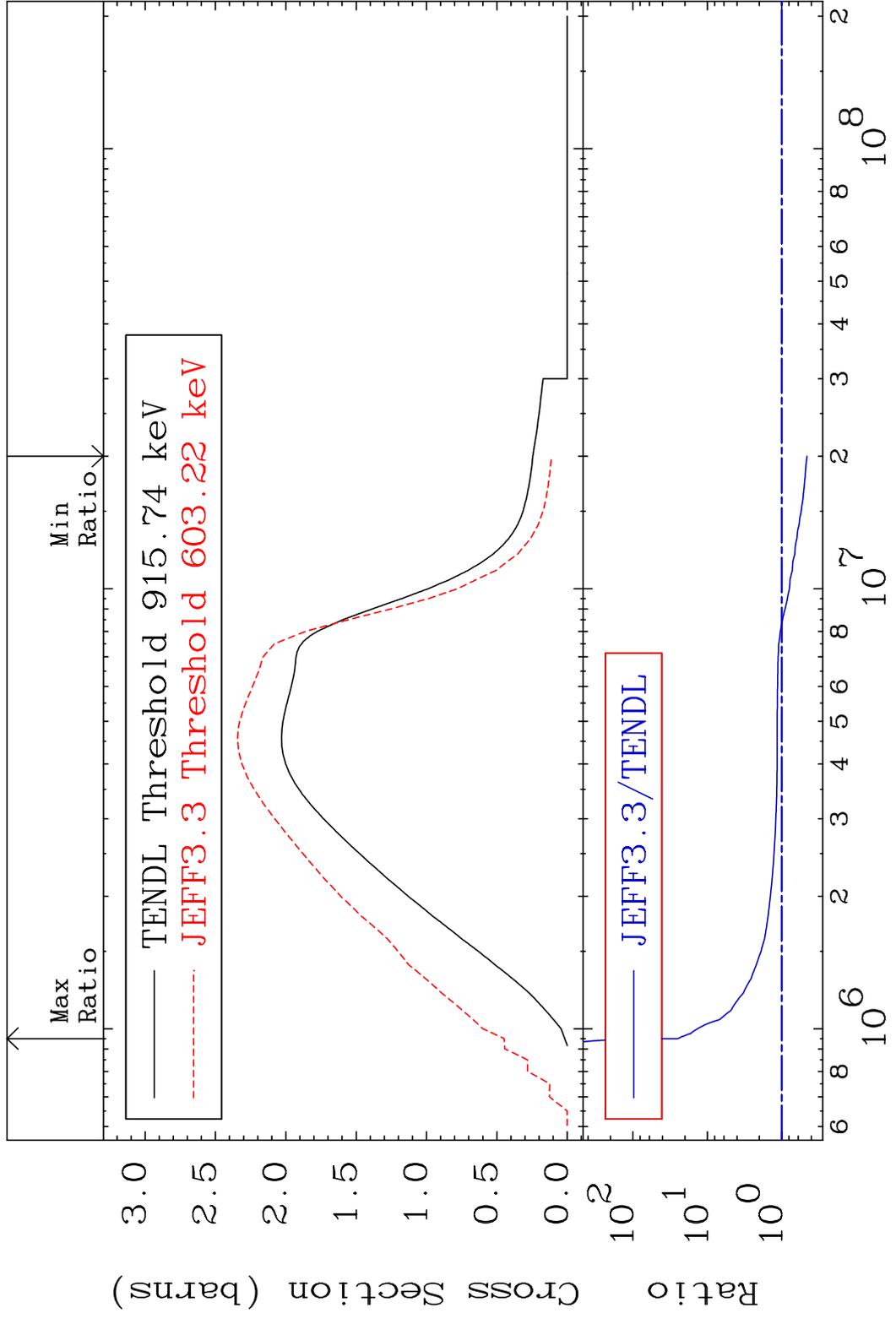


18 Incident Energy (eV) 54-Xe-129

MAT 5440 MT= 61 (n, n') Level 54-Xe-129
 Cross Section -21.77 To 59.18 %



MAT 5440 (n,n') Continuum 54-Xe-129
 Cross Section -54.20 To 2403. %

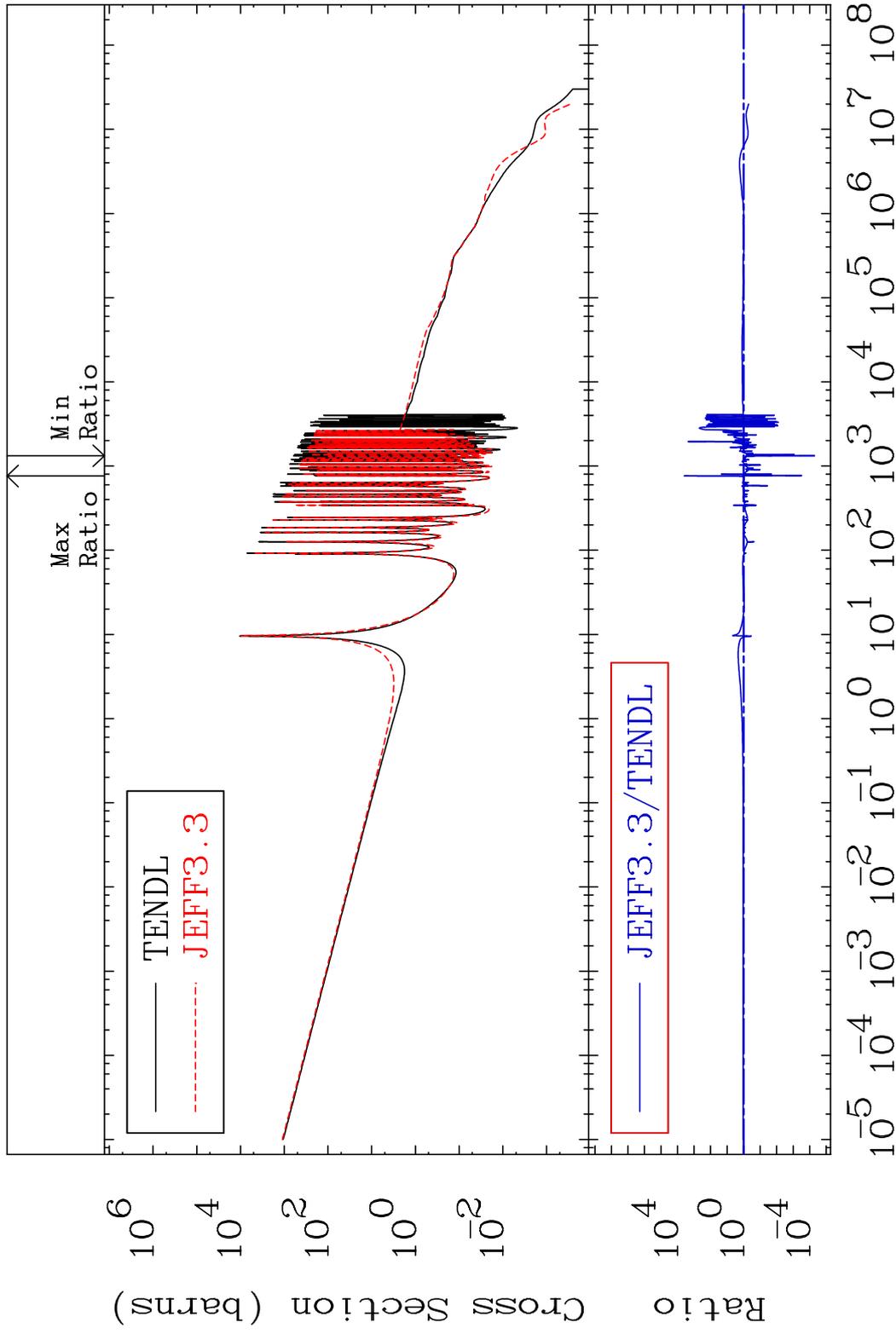


MAT 5440

(n, γ)

54-Xe-129

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

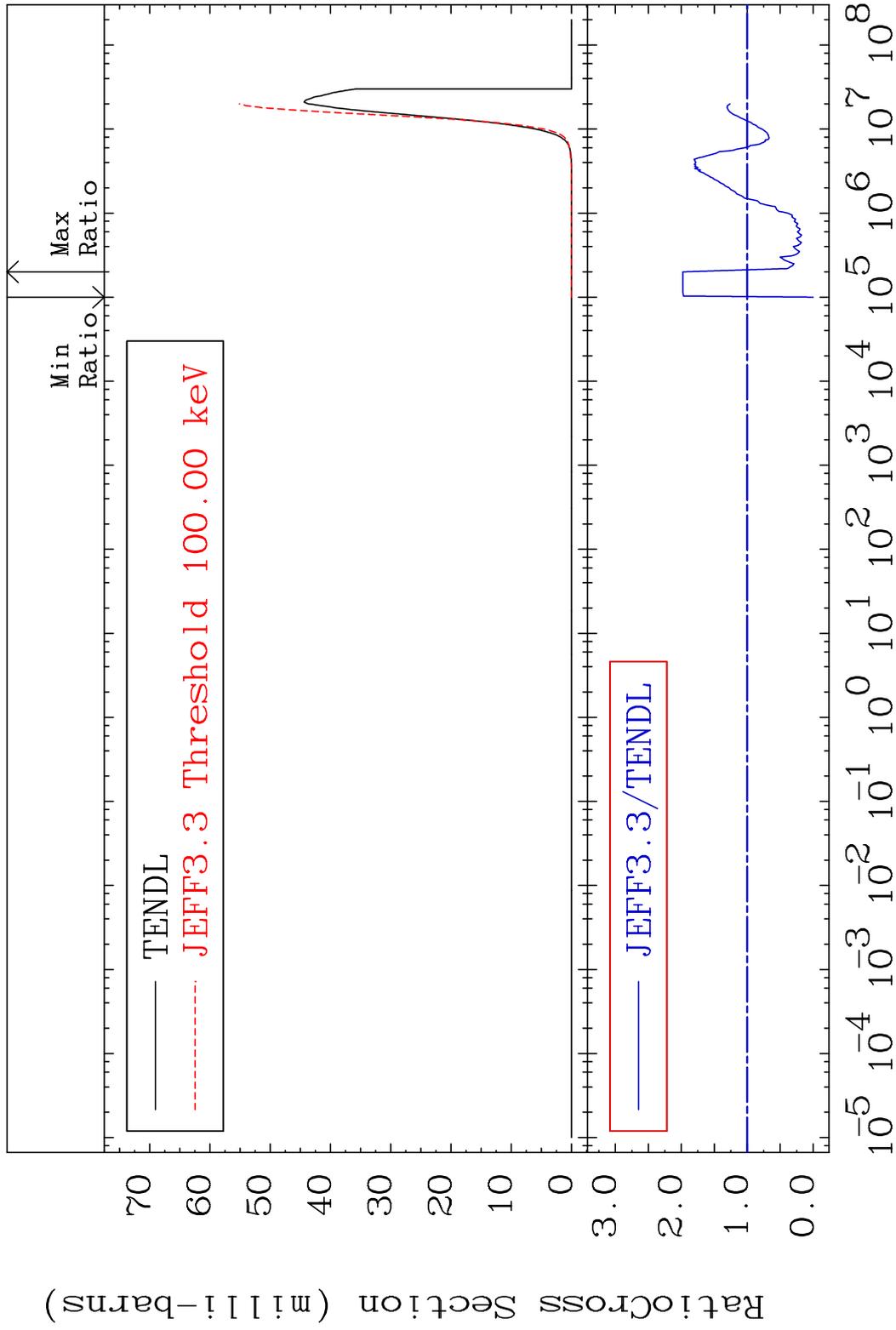
54-Xe-129

MAT 5440

(n, p)

54-Xe-129

Cross Section -100.0 To 97.69 %

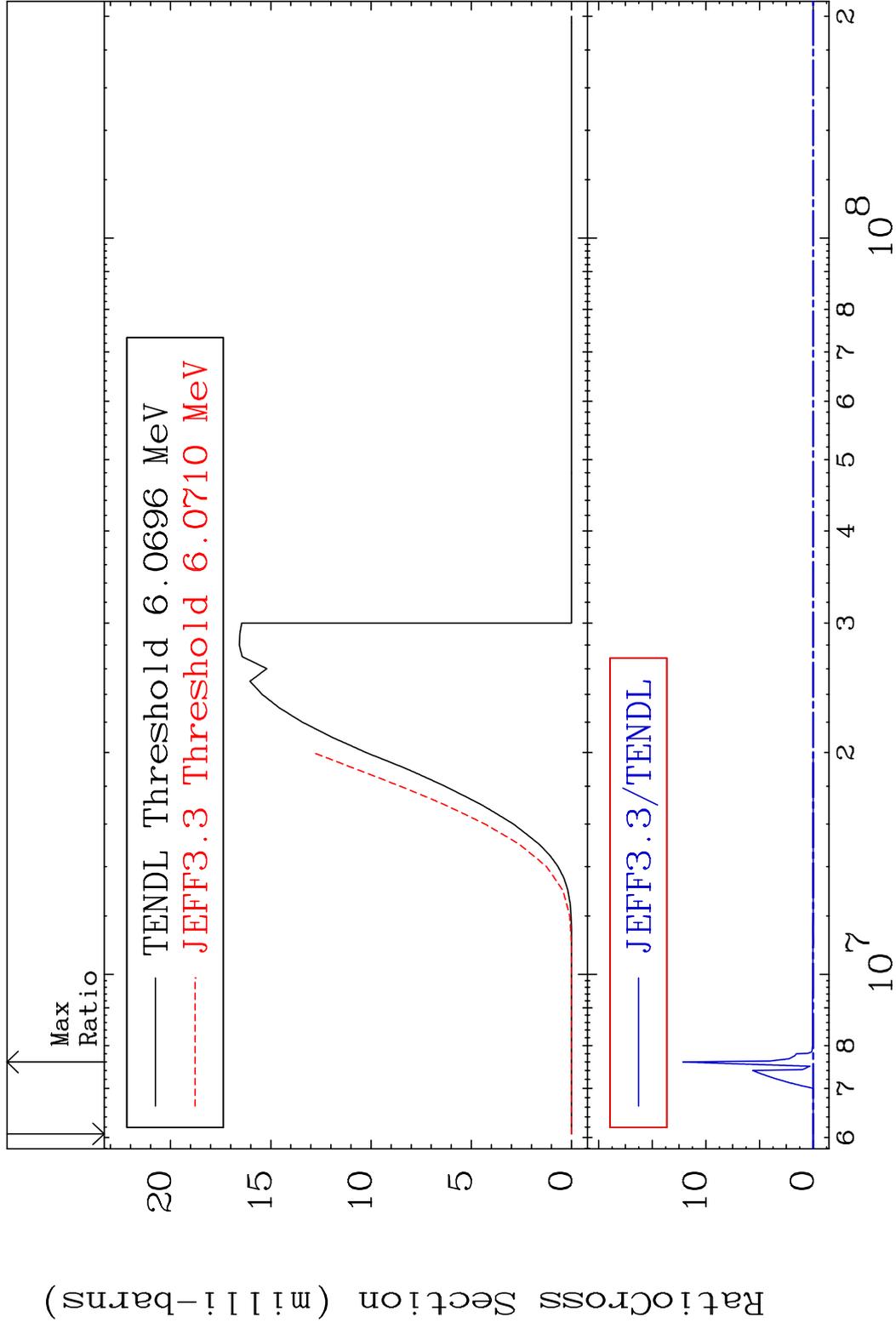


MAT 5440

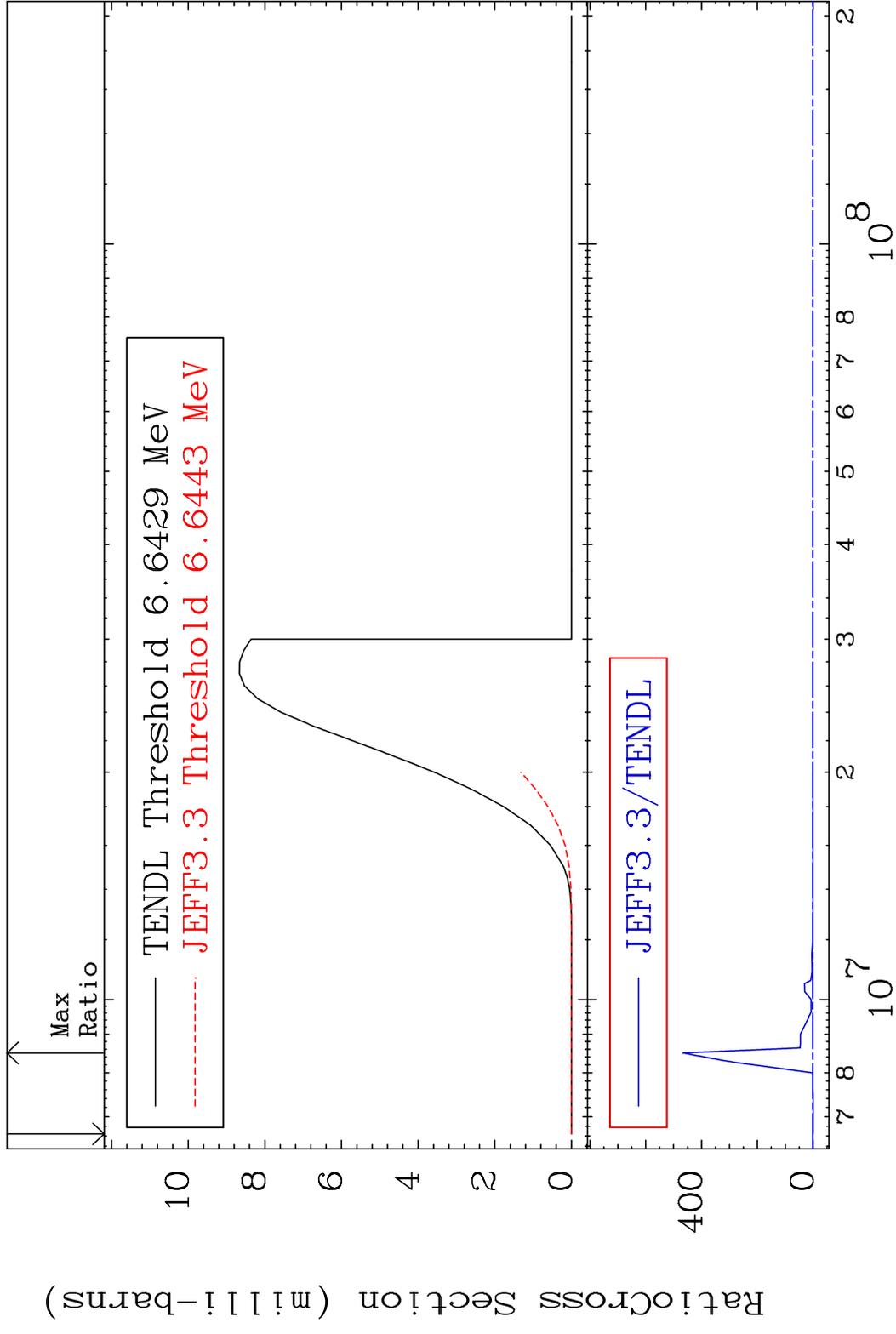
54-Xe-129

(n,d)

Cross Section -100.0 To 9999. %



MAT 5440 (n, t) 54-Xe-129
 Cross Section -100.0 To 9999. %

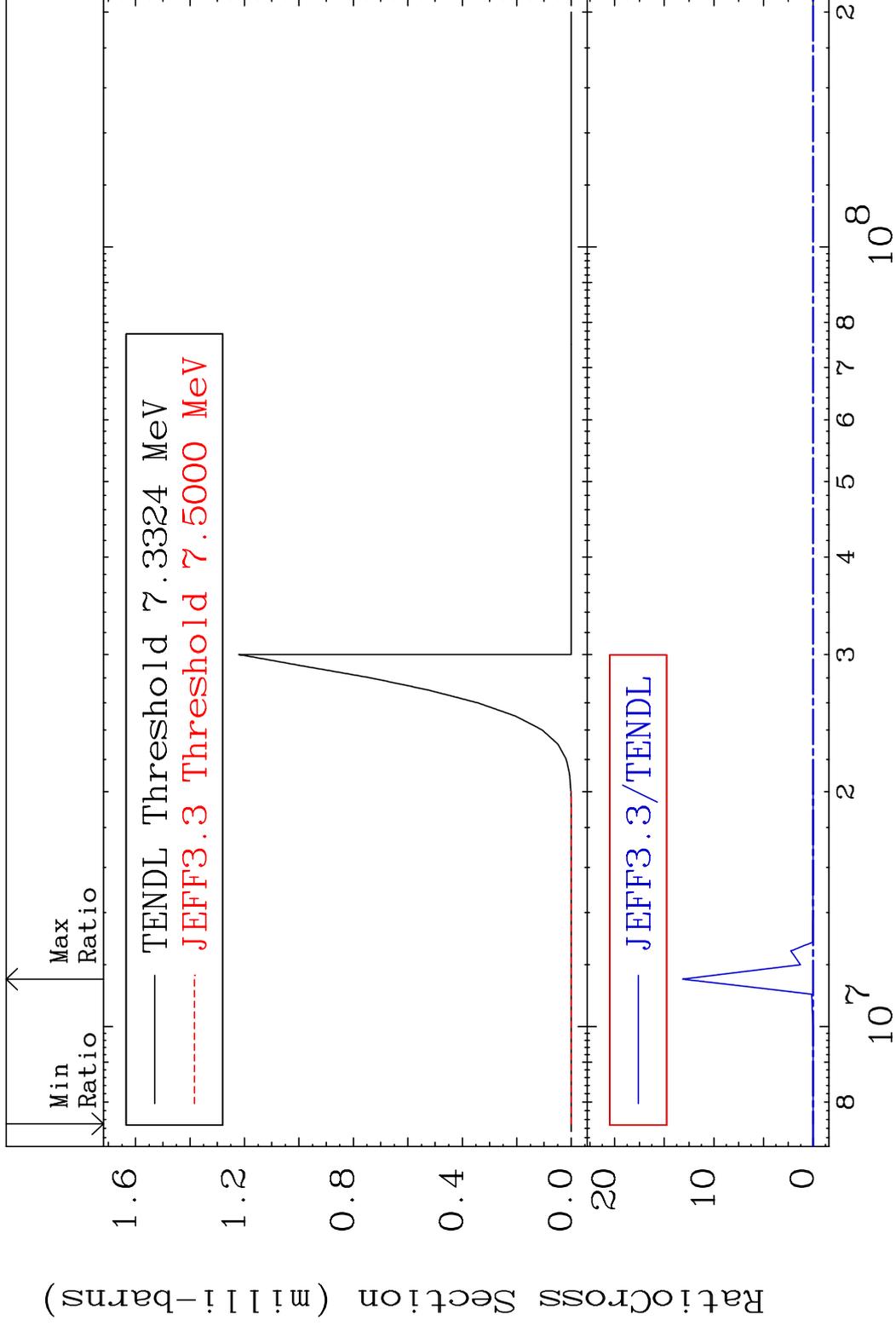


MAT 5440

(n, He-3)

54-Xe-129

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

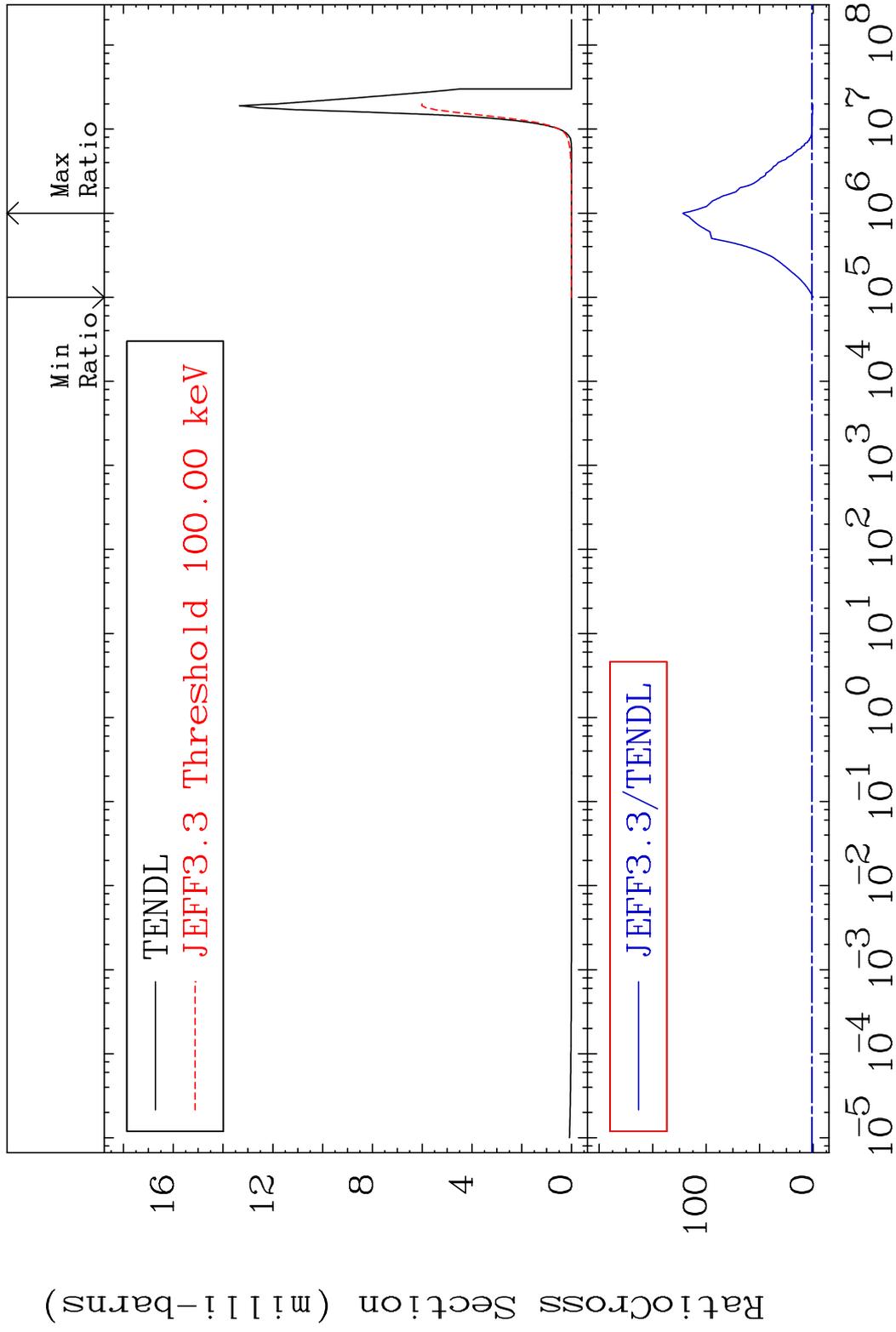
54-Xe-129

MAT 5440

(n, α)

54-Xe-129

Cross Section -100.0 To 9999. %



26

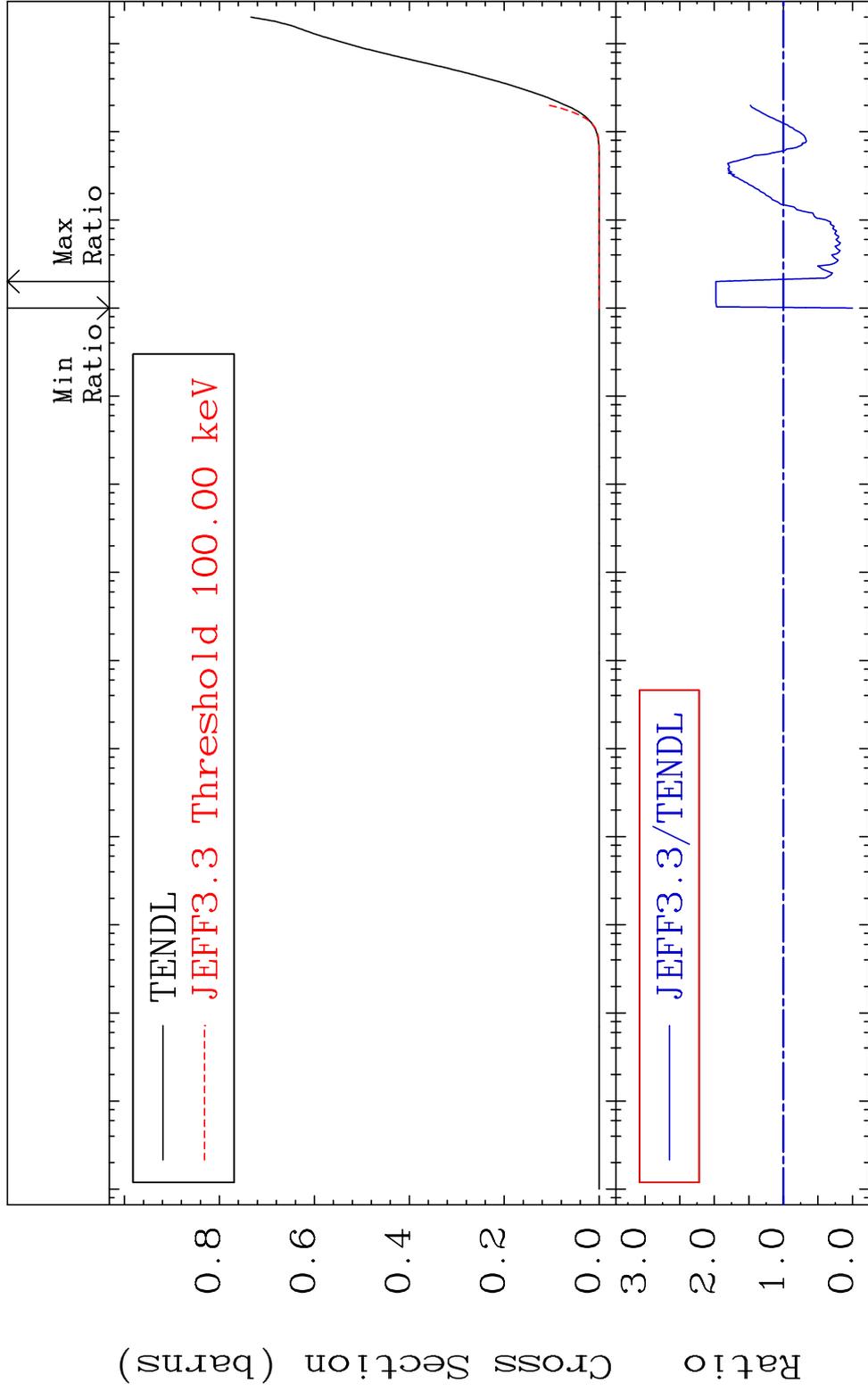
Incident Energy (eV)

54-Xe-129

MAT 5440

Hydrogen Production
Cross Section -100.0 To 97.69 %

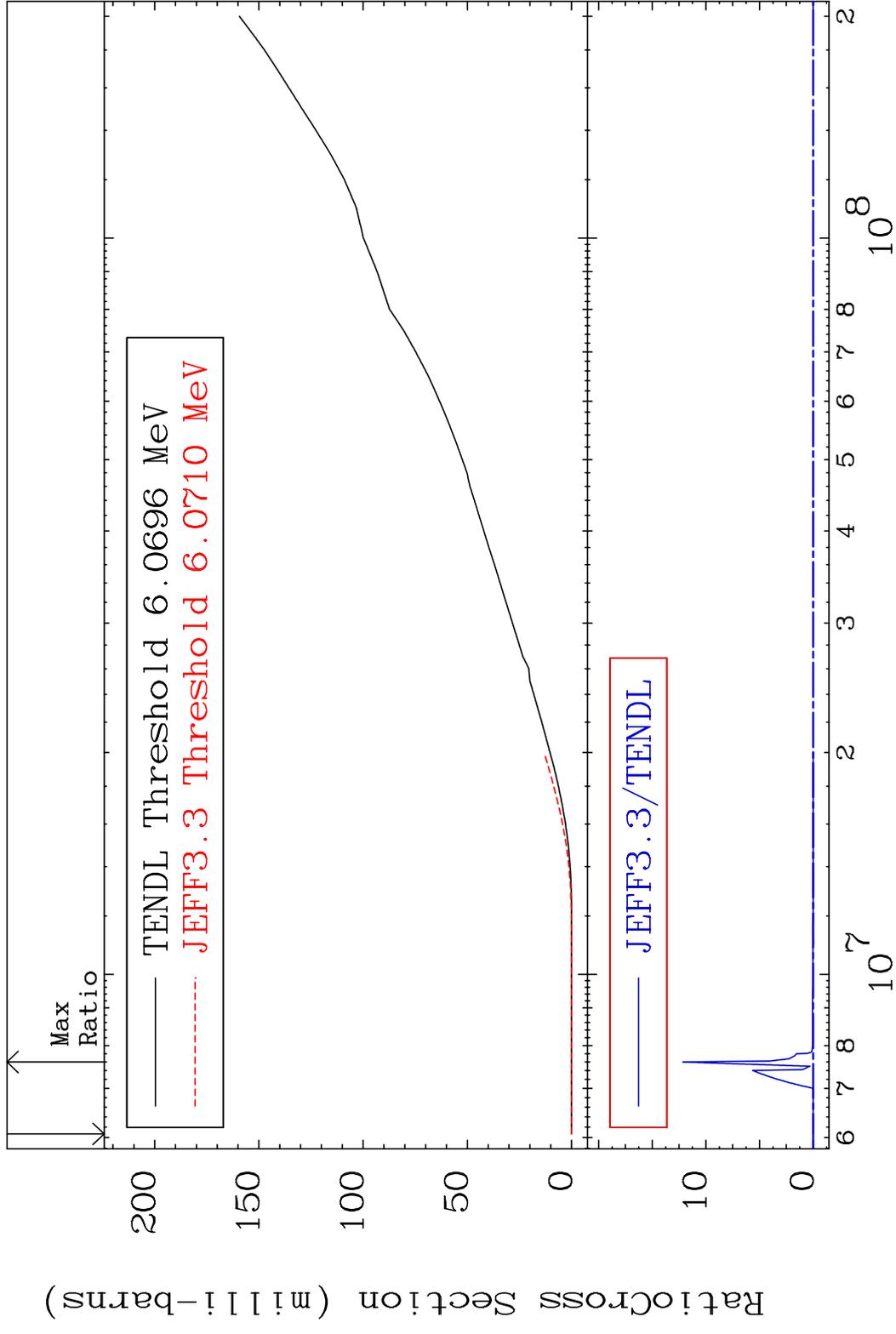
54-Xe-129



MAT 5440

Deuterium Production 54-Xe-129

Cross Section -100.0 To 9999. %



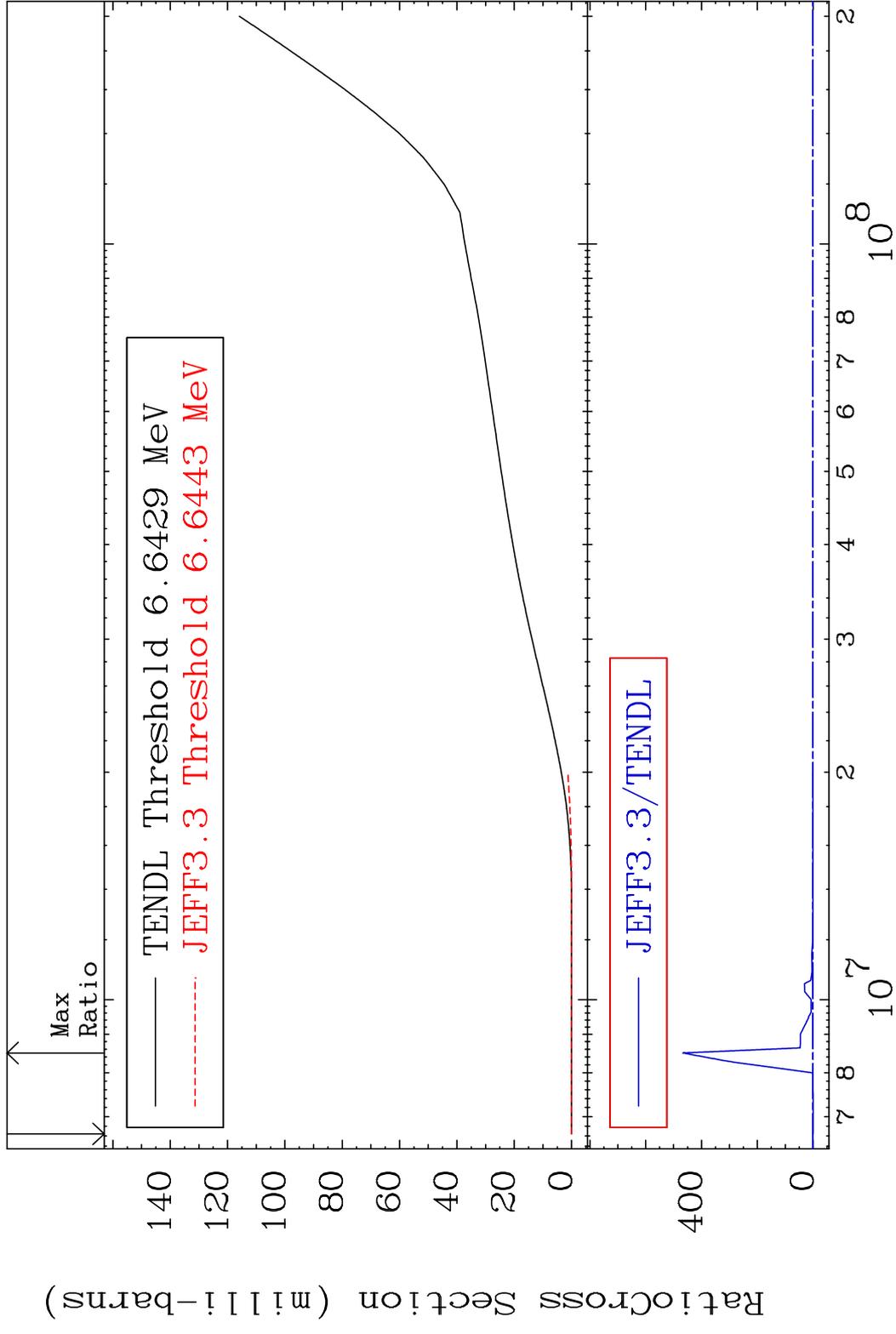
28

Incident Energy (eV)

54-Xe-129

MAT 5440

Tritium Production 54-Xe-129
Cross Section -100.0 To 9999. %

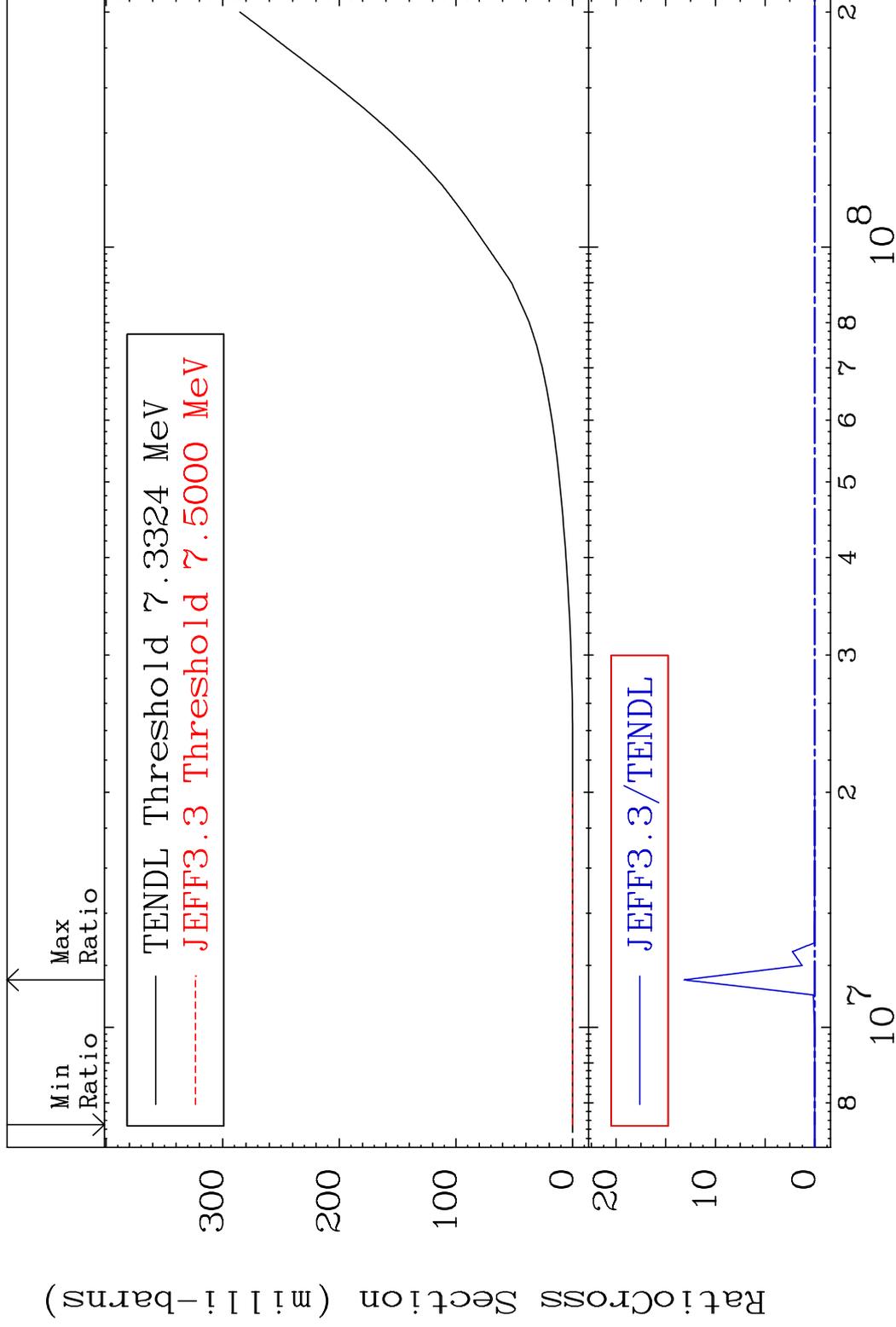


MAT 5440

He-3 Production

54-Xe-129

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

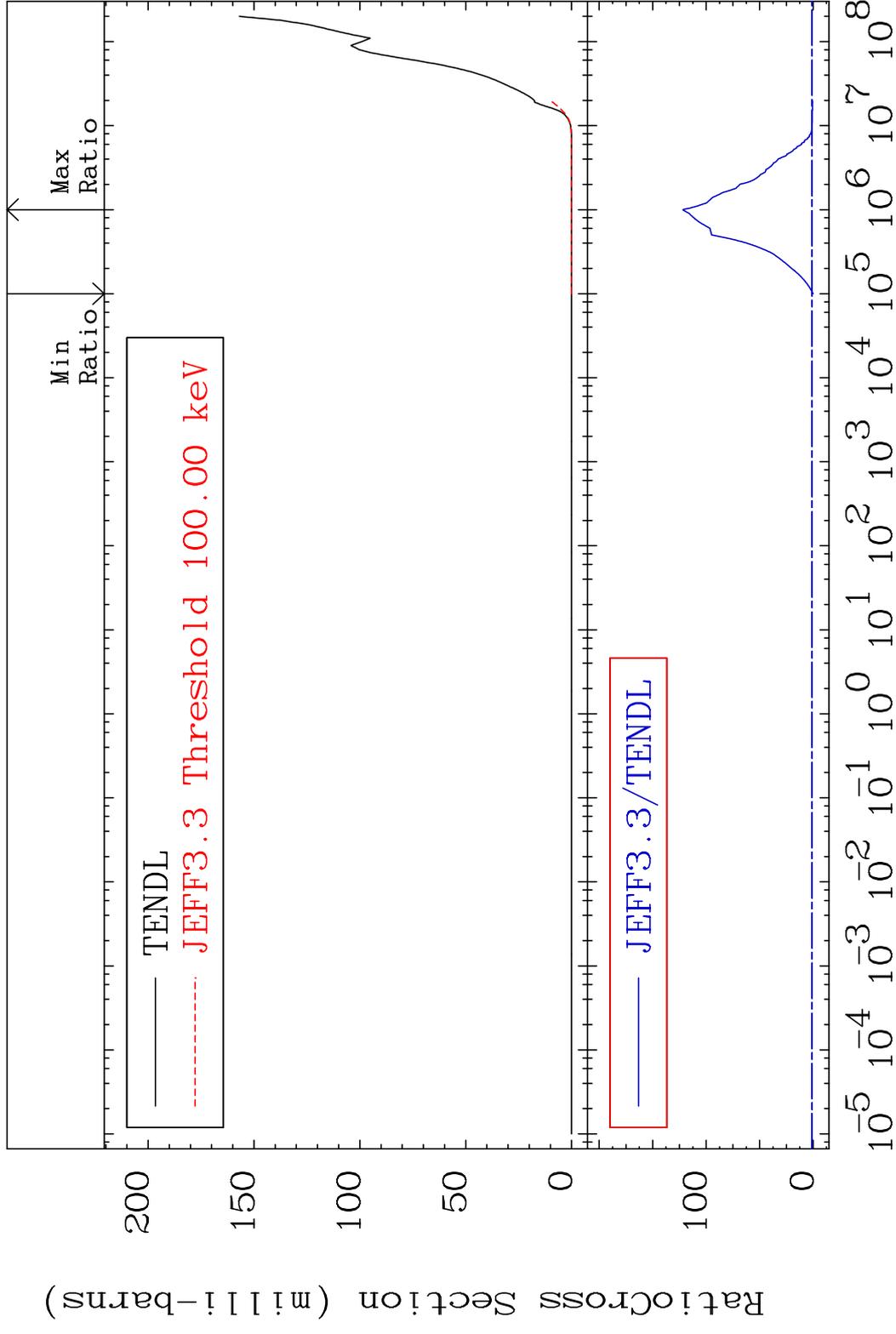
54-Xe-129

MAT 5440

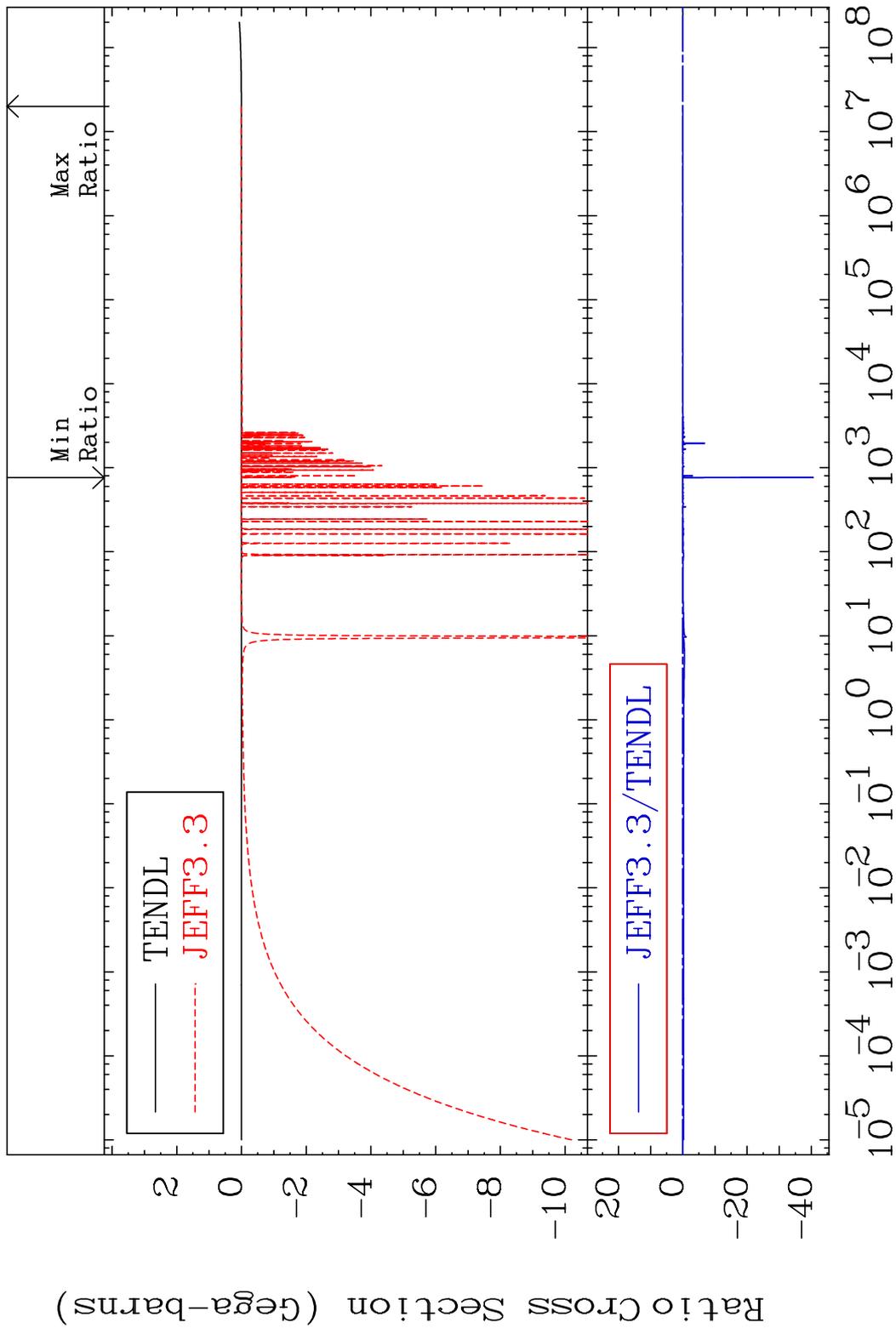
He-4 Production

54-Xe-129

Cross Section -100.0 To 9999. %



MAT 5440 Kerma total (eV-barns) 54-Xe-129
 Cross Section -9999. To -11.41%

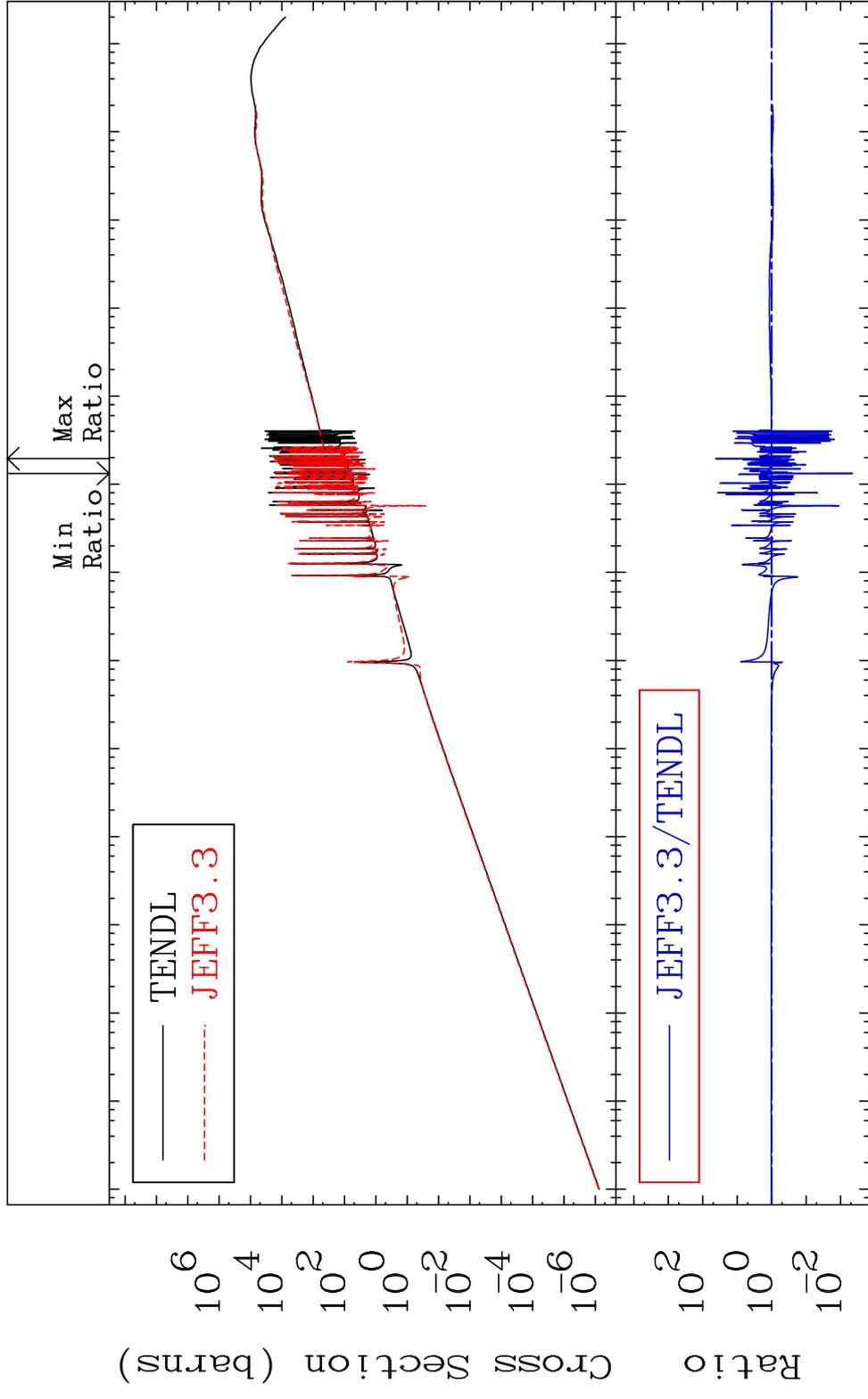


32 Incident Energy (eV) 54-Xe-129

MAT 5440

Kerma elastic
Cross Section

54-Xe-129
-99.55 To 4079. %

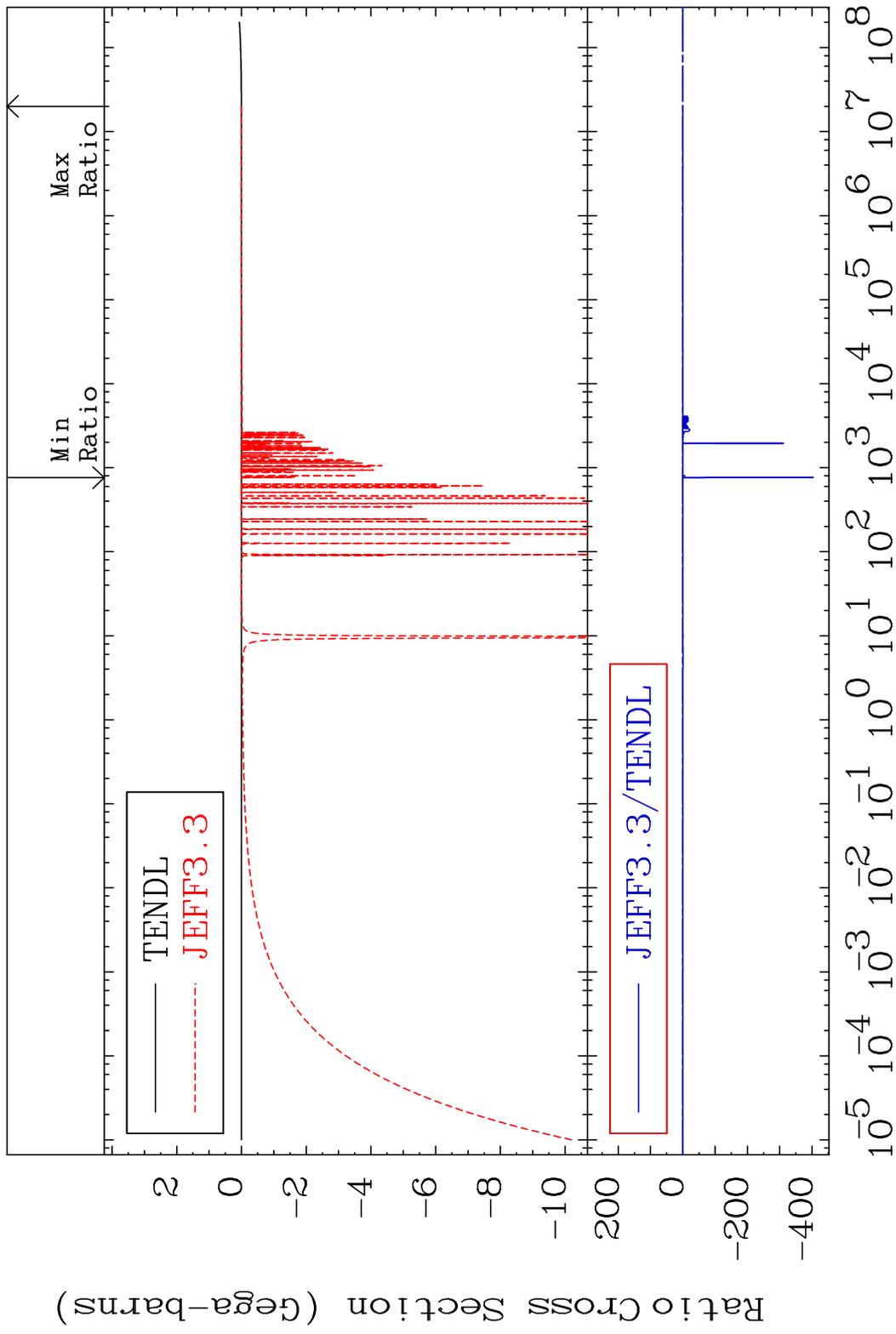


33

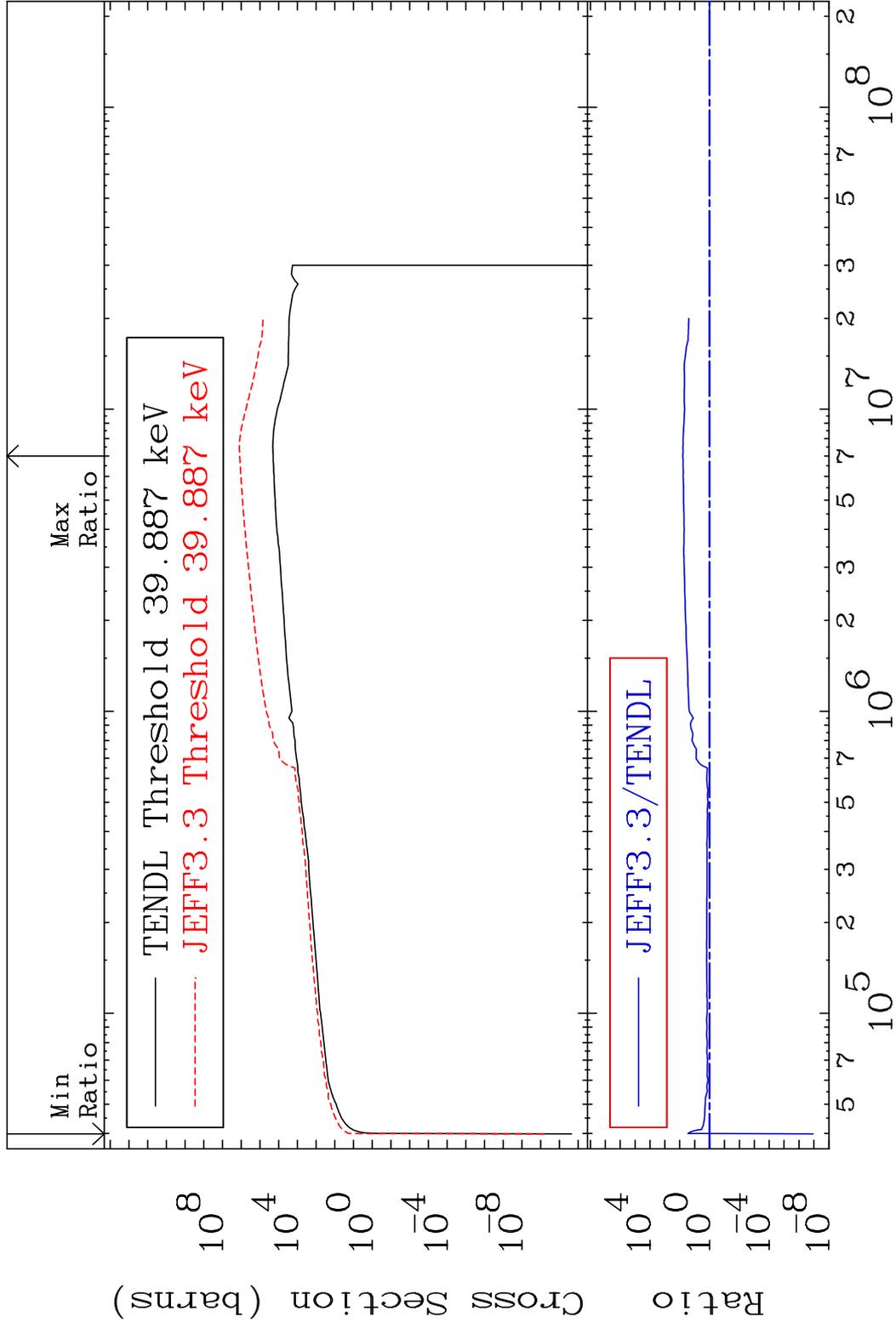
Incident Energy (eV)

54-Xe-129

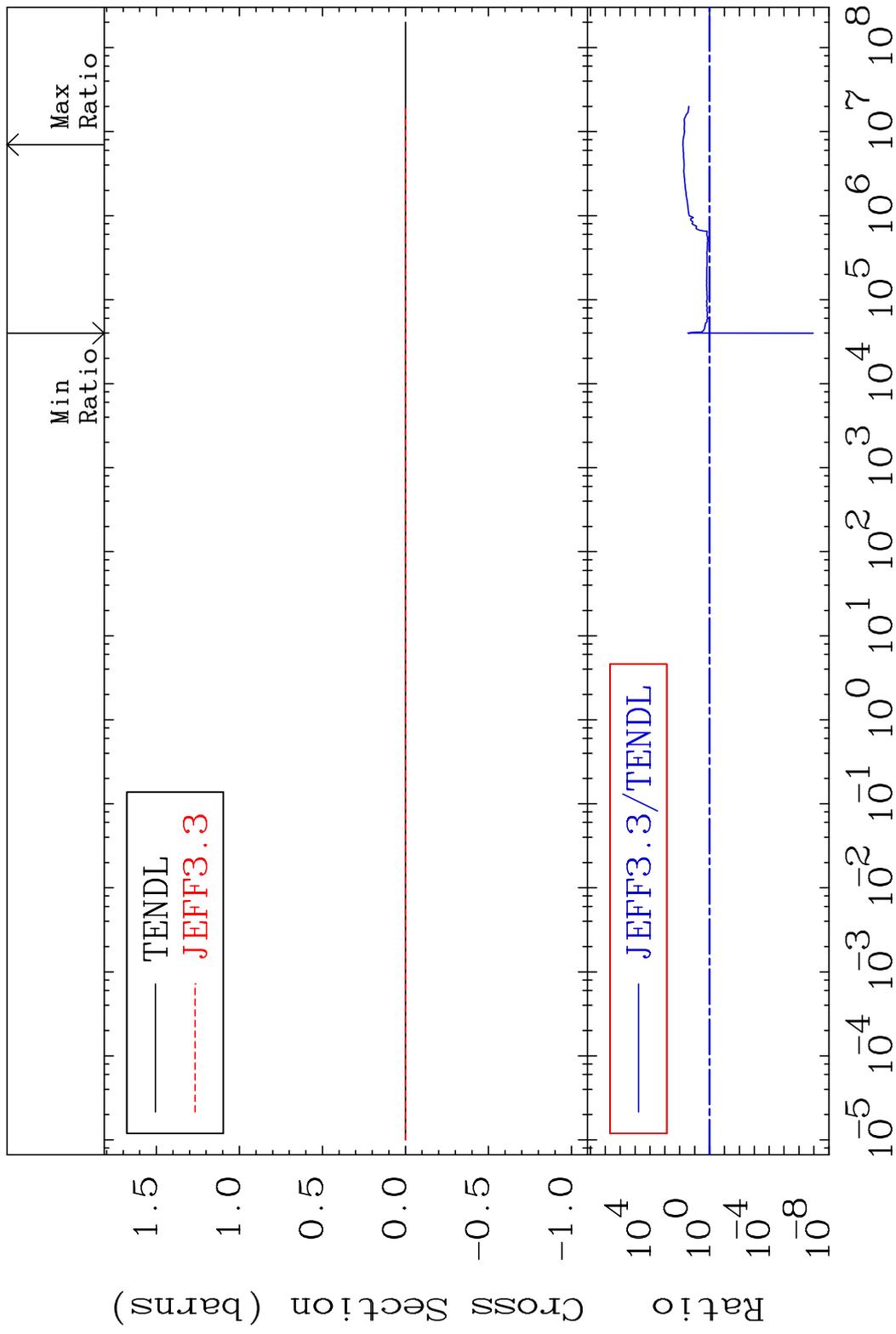
MAT 5440 Kerma non-elastic (all but mt2) 54-Xe-129
 Cross Section -9999. To -11.64%



MAT 5440 Kerma inelastic (mt51-91) 54-Xe-129
 Cross Section -100.0 To 6127. %



MAT 5440 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-129
 Cross Section -100.0 To 6127. %

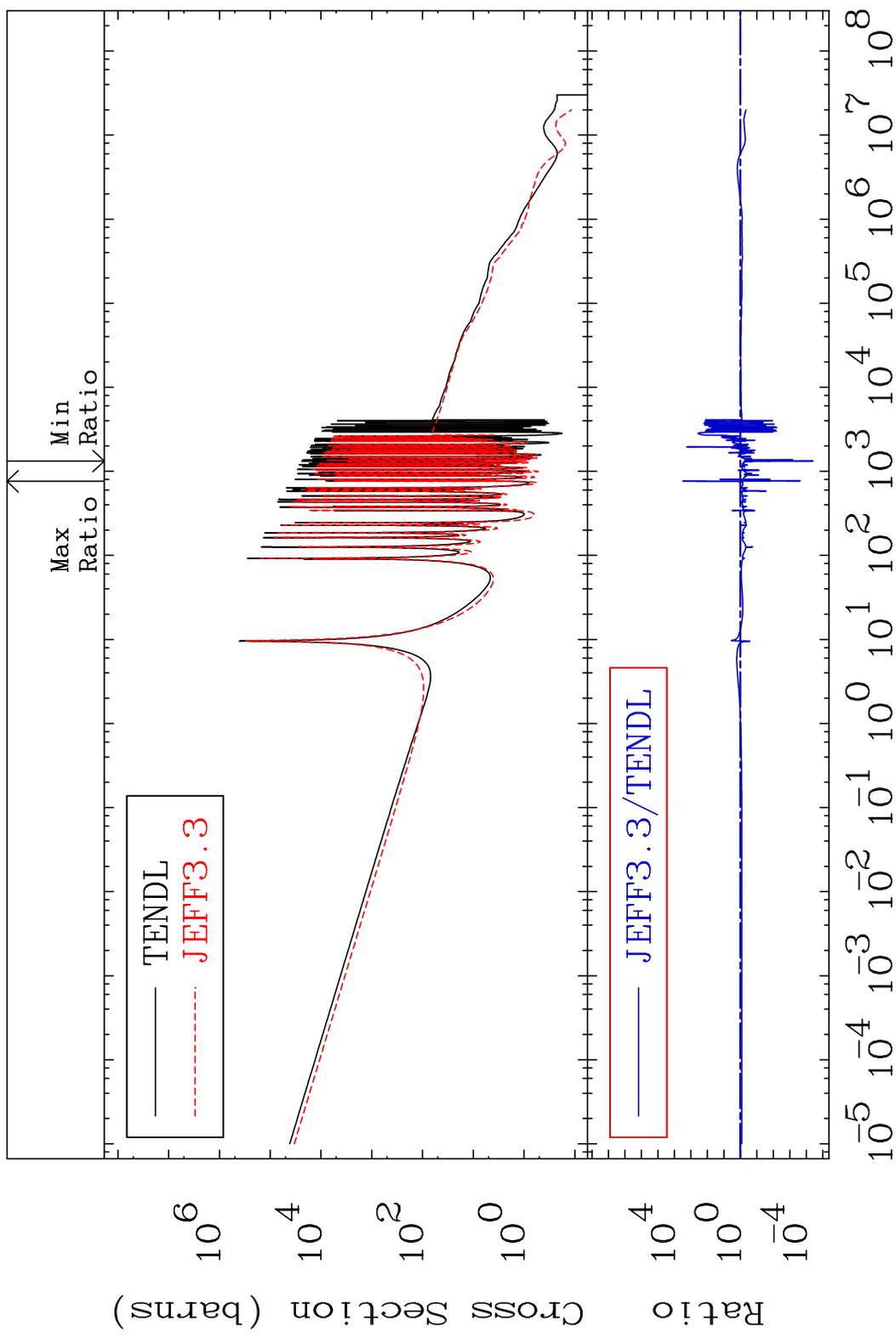


MAT 5440

Kerma capture (mt102)

54-Xe-129

Cross Section -100.0 To 9999. %

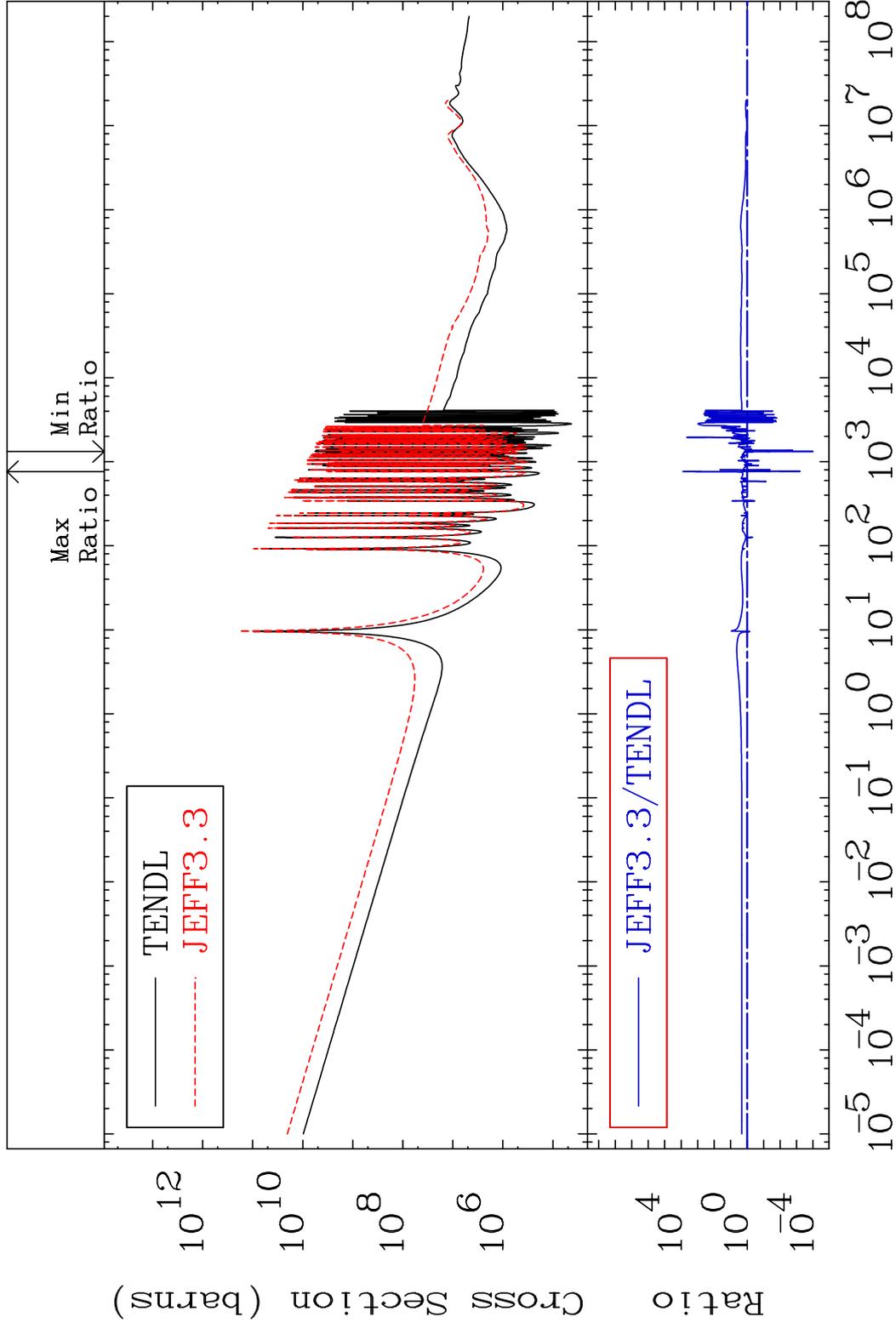


37

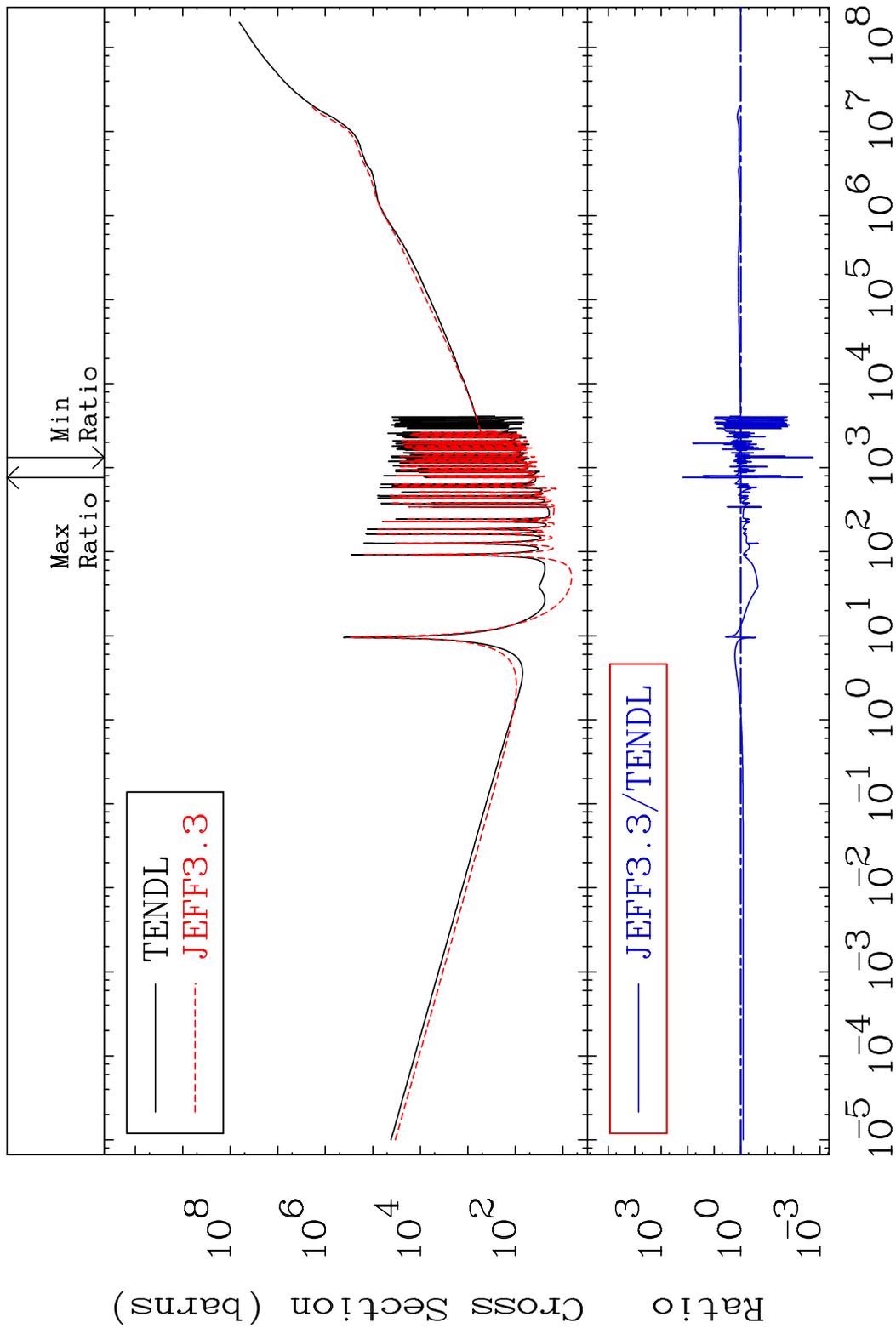
Incident Energy (eV)

54-Xe-129

MAT 5440 Total photon (eV-barns) 54-Xe-129
 Cross Section -99.99 To 9999. %



MAT 5440 Total kinematic kerma (high limit) 54-Xe-129
Cross Section -99.82 To 9999. %

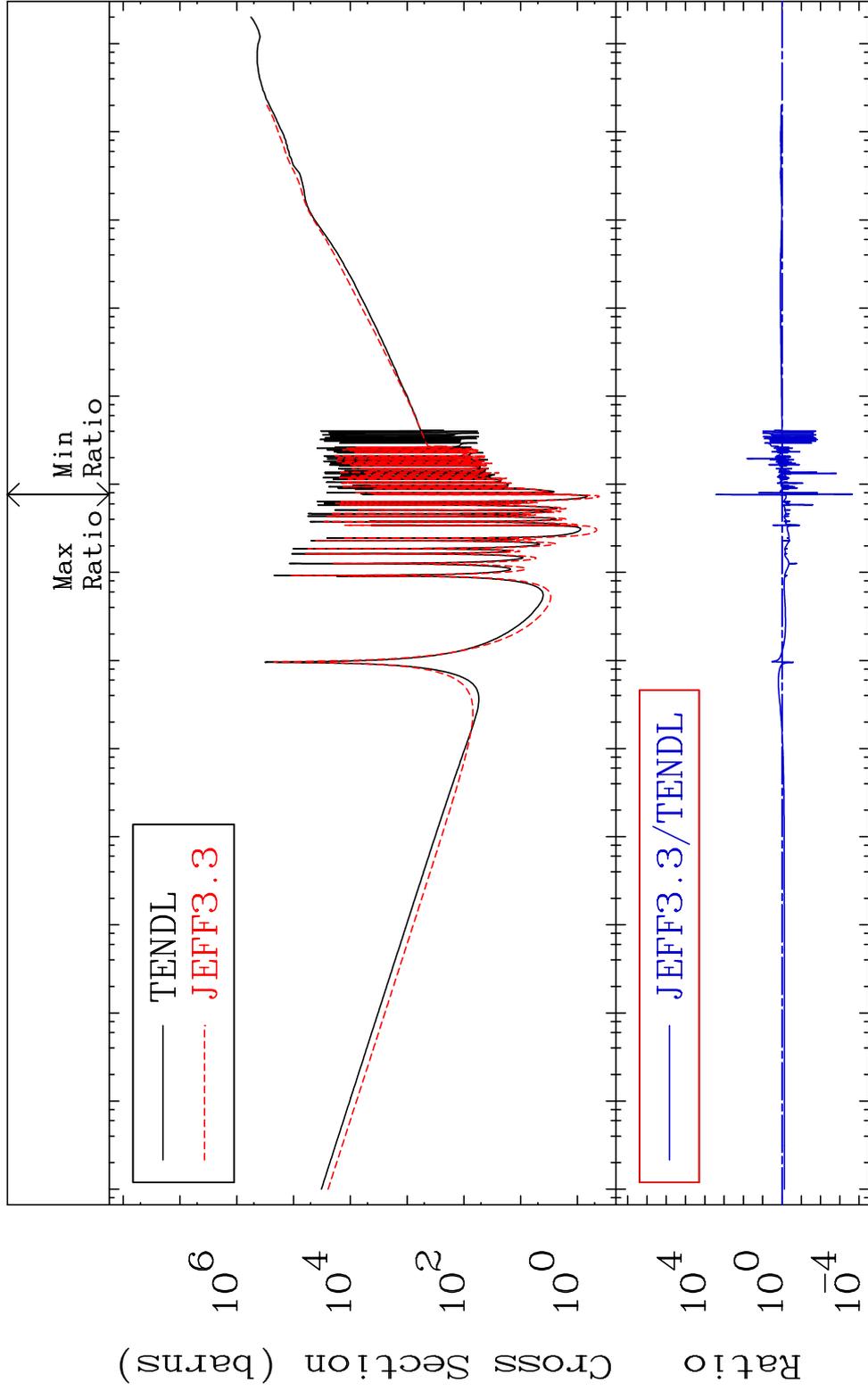


MAT 5440

Dpa total (eV-barns)

54-Xe-129

Cross Section -99.98 To 9999. %



40

Incident Energy (eV)

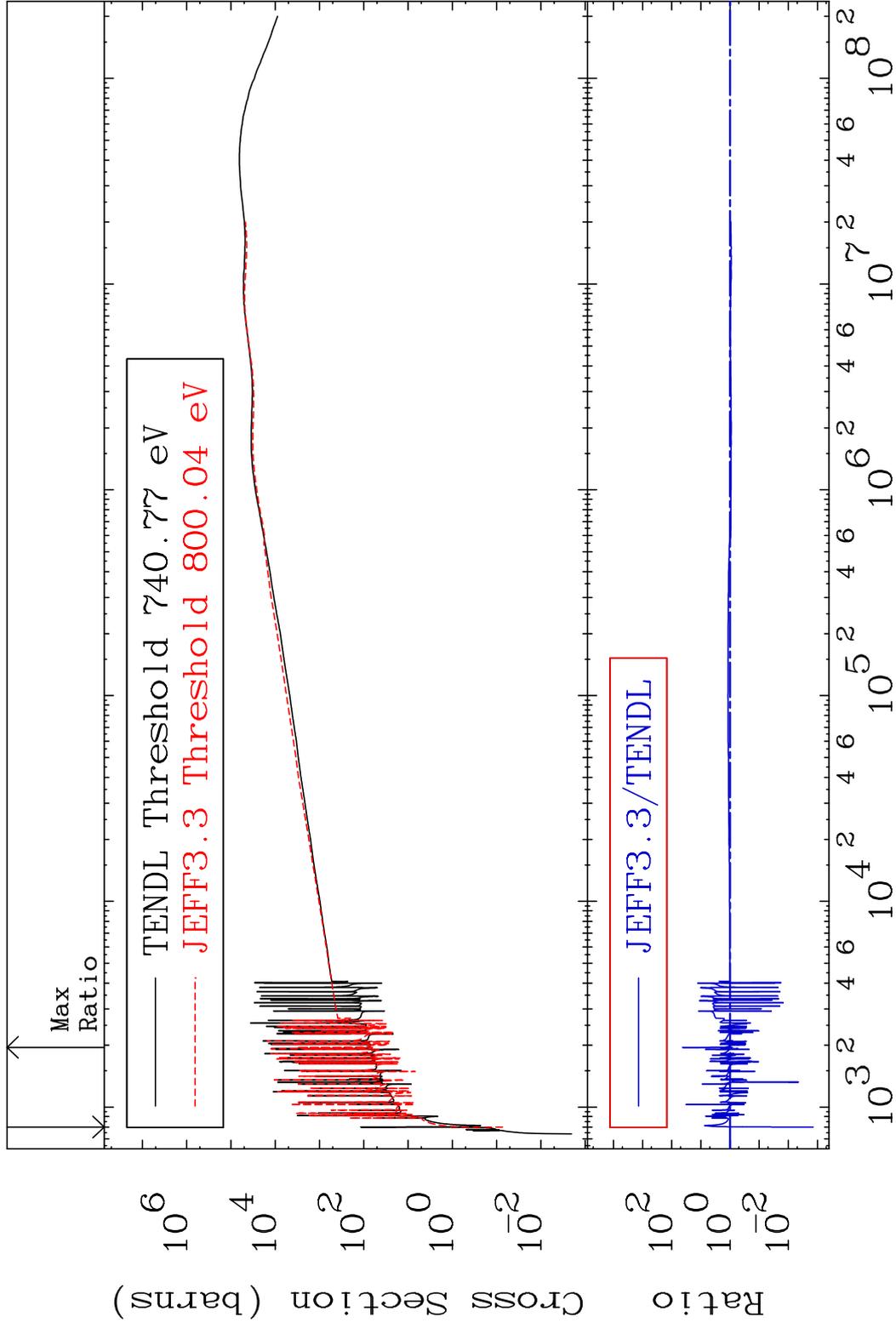
54-Xe-129

MAT 5440

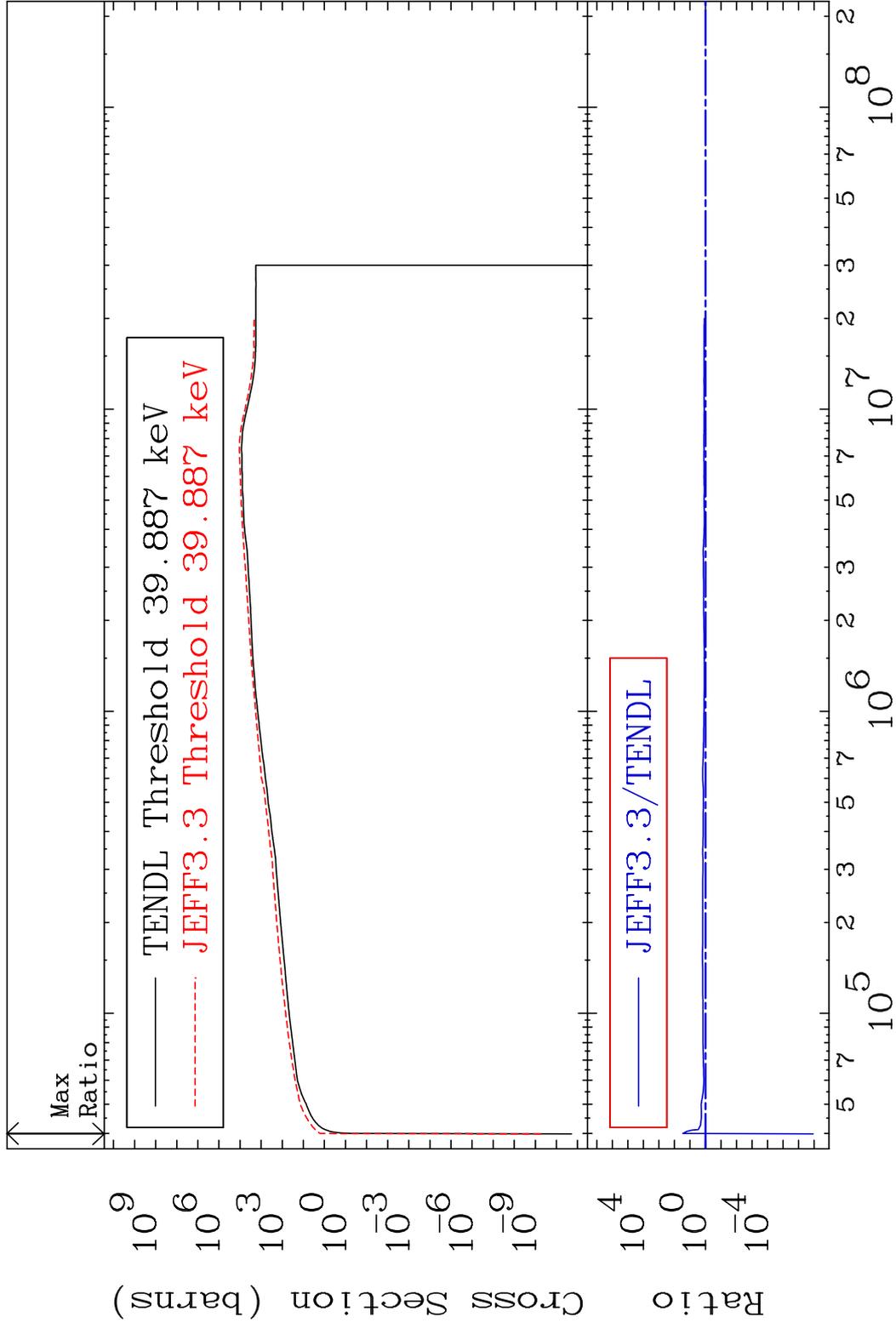
Dpa elastic (mt2)

54-Xe-129

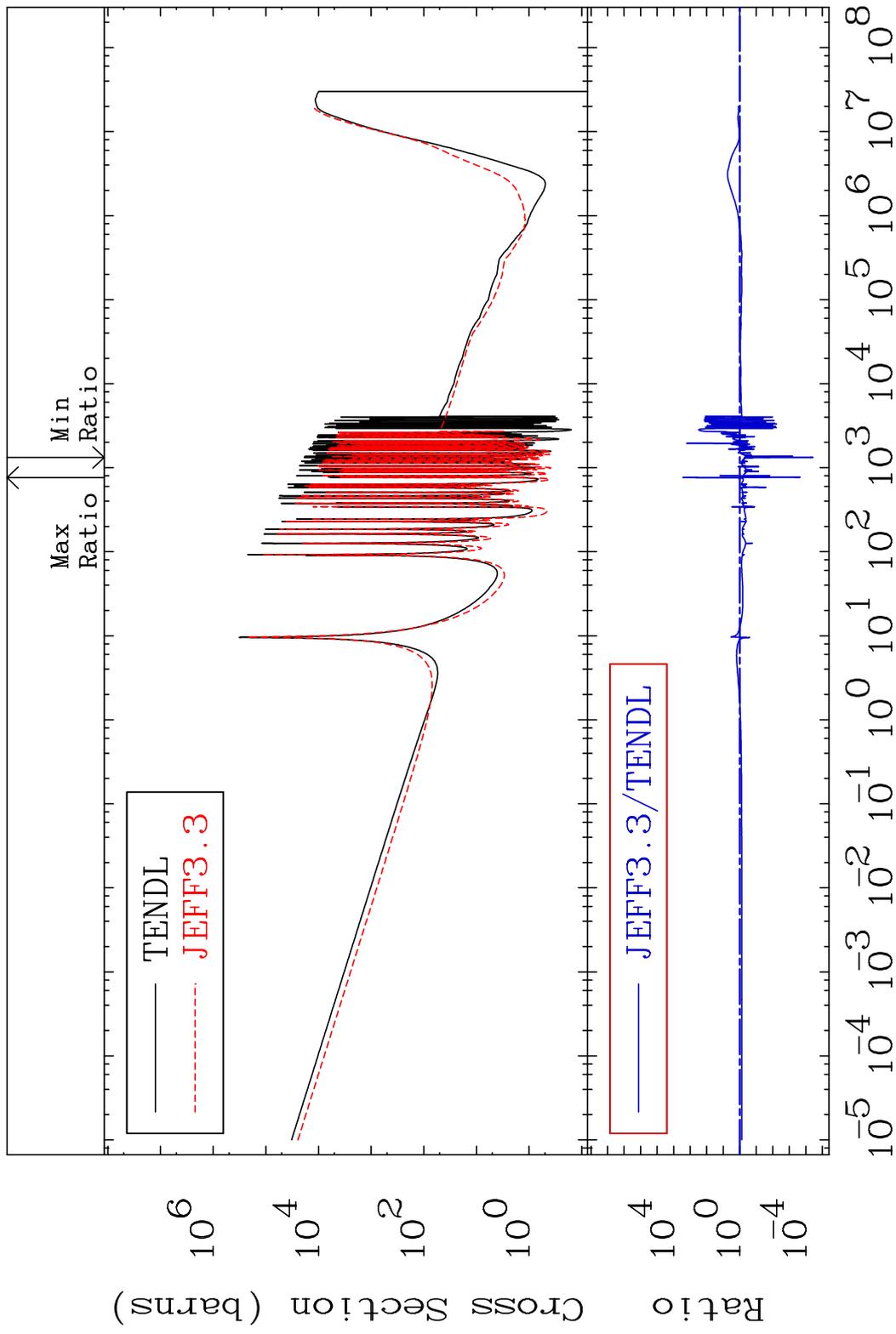
Cross Section -99.86 To 4079. %



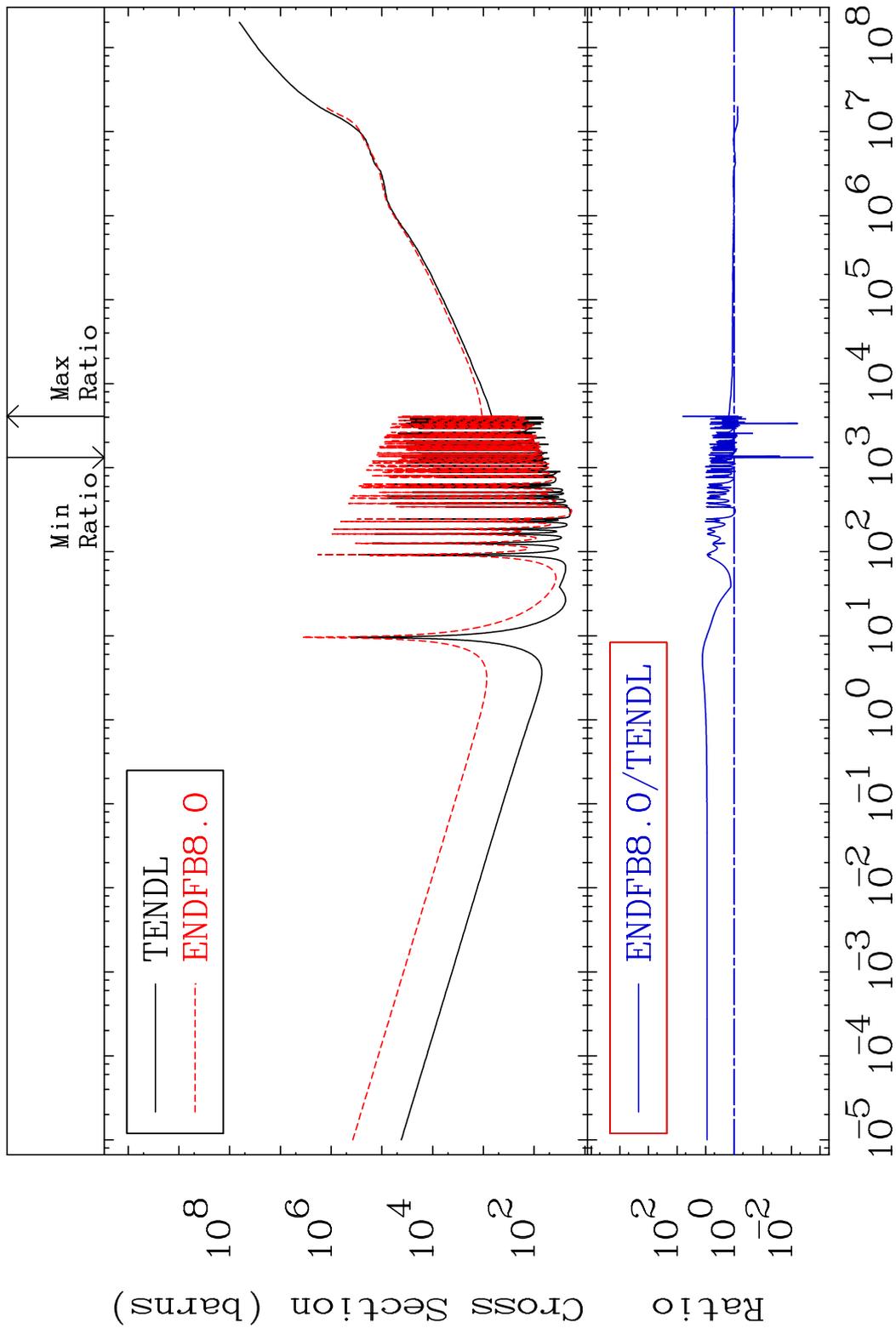
MAT 5440 Dpa inelastic (mt51-91) 54-Xe-129
 Cross Section -100.0 To 2793. %



MAT 5440 Dpa disappearance (mt102 -120) 54-Xe-129
 Cross Section -100.0 To 9999. %



MAT 5440 Total kinematic kerma (high limit) 54-Xe-129
 Cross Section -99.82 To 6193. %

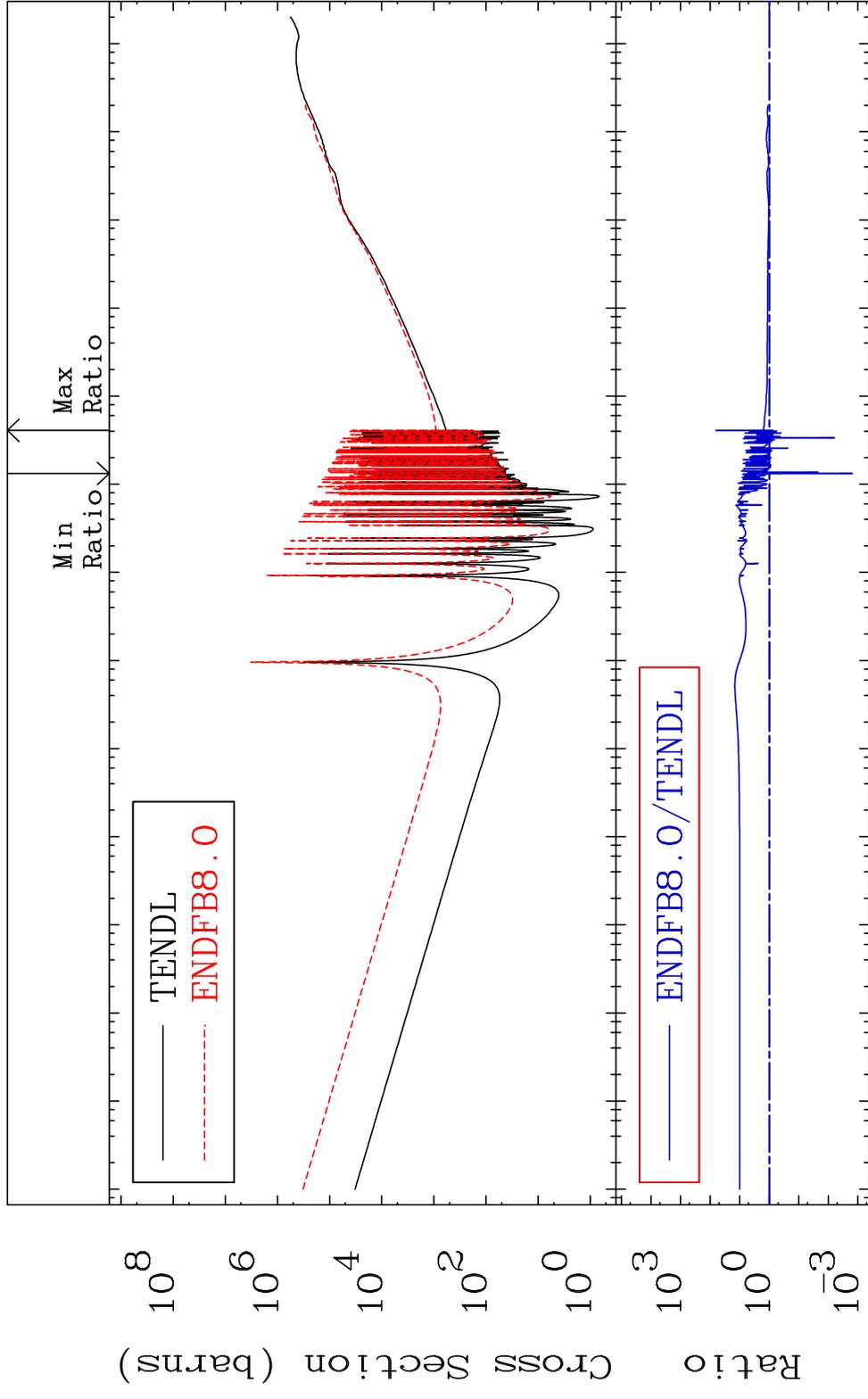


MAT 5440

Dpa total (eV-barns)

54-Xe-129

Cross Section -99.85 To 6268. %



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

45

Incident Energy (eV)

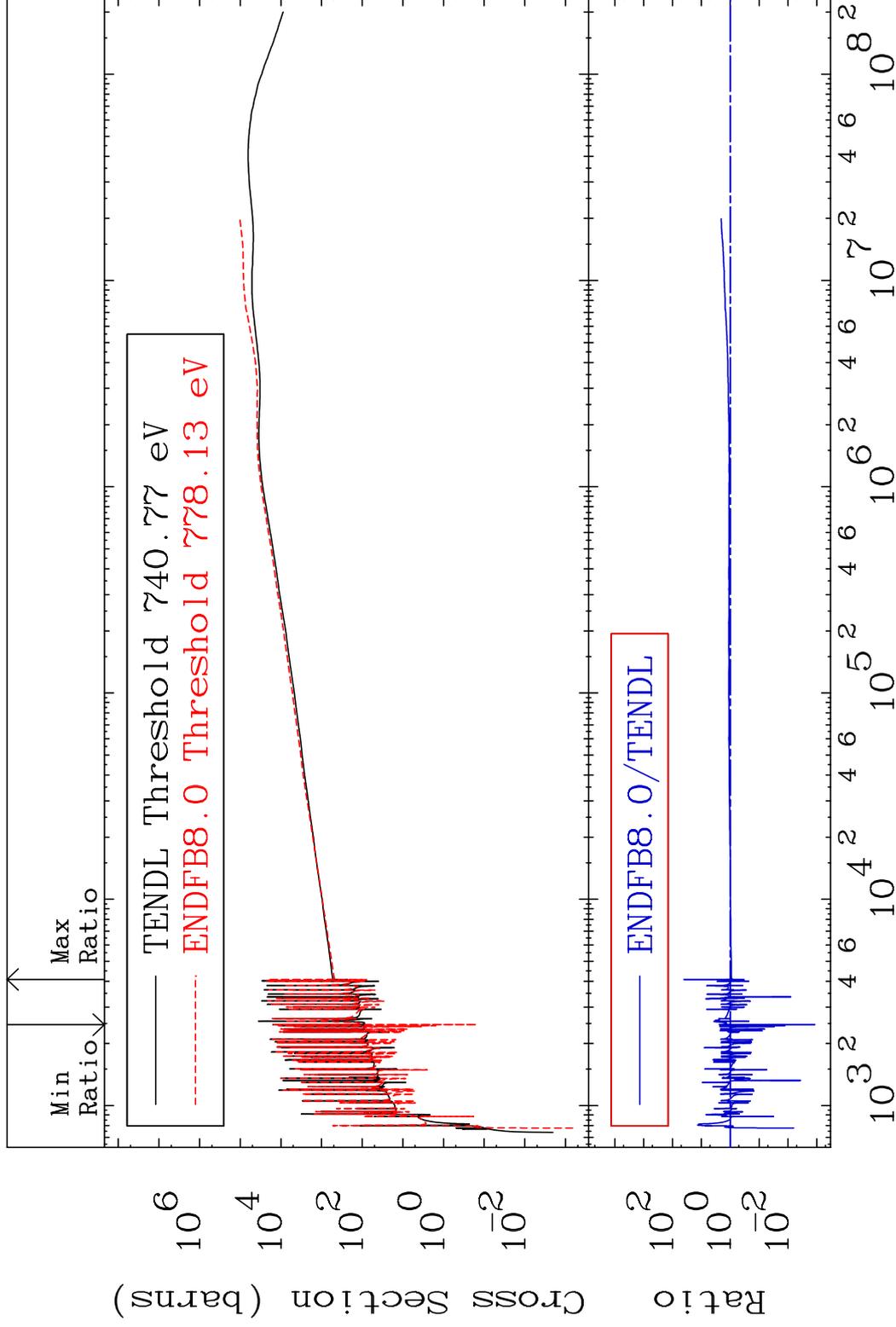
54-Xe-129

MAT 5440

Dpa elastic (mt2)

54-Xe-129

Cross Section -99.88 To 3861. %

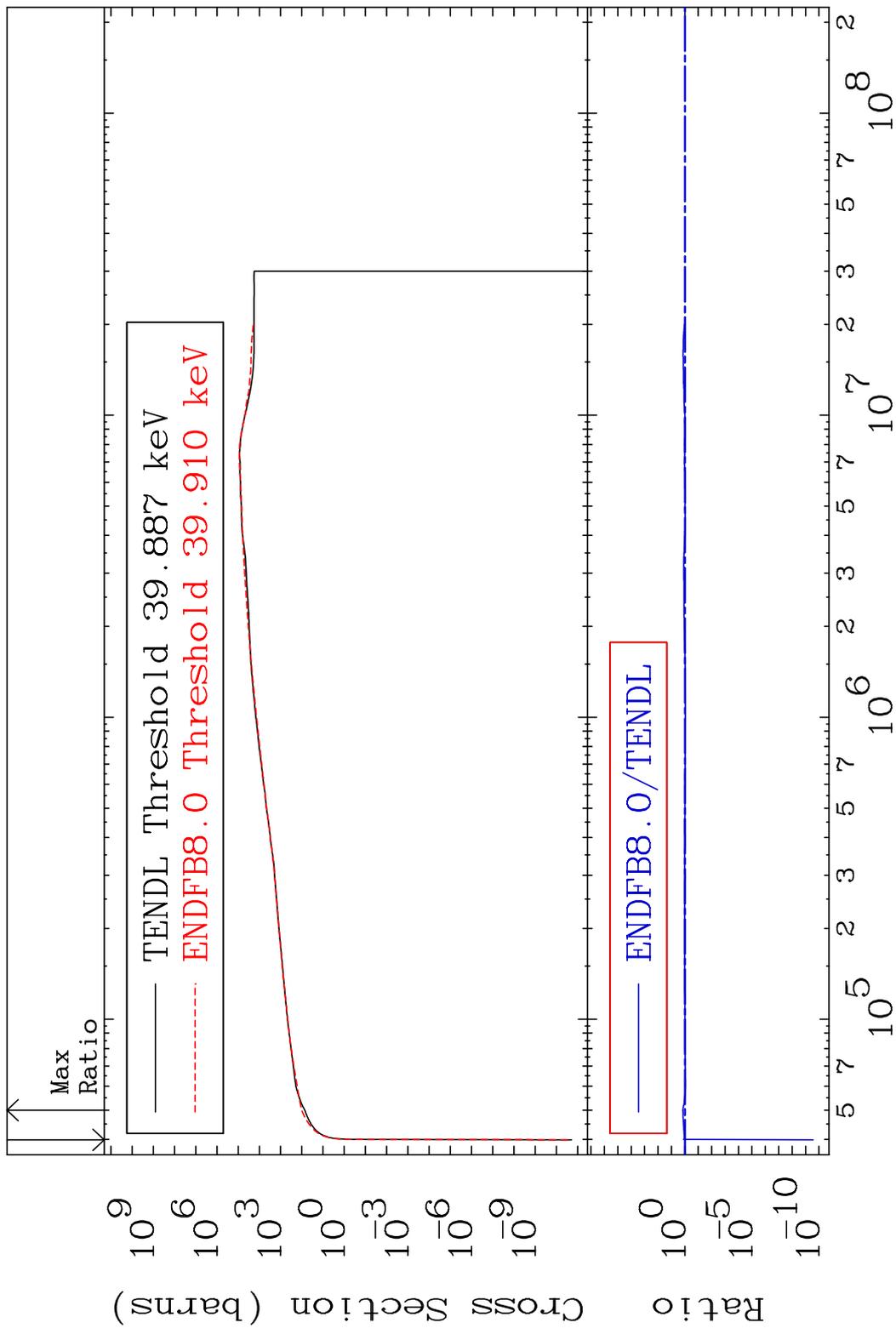


46

Incident Energy (eV)

54-Xe-129

MAT 5440 Dpa inelastic (mt51-91) 54-Xe-129
 Cross Section -100.0 To 41.31 %



MAT 5440 Dpa disappearance (mt102 -120) 54-Xe-129
 Cross Section -99.95 To 9999. %

