

Program Complot
(Version 2021-1)

by

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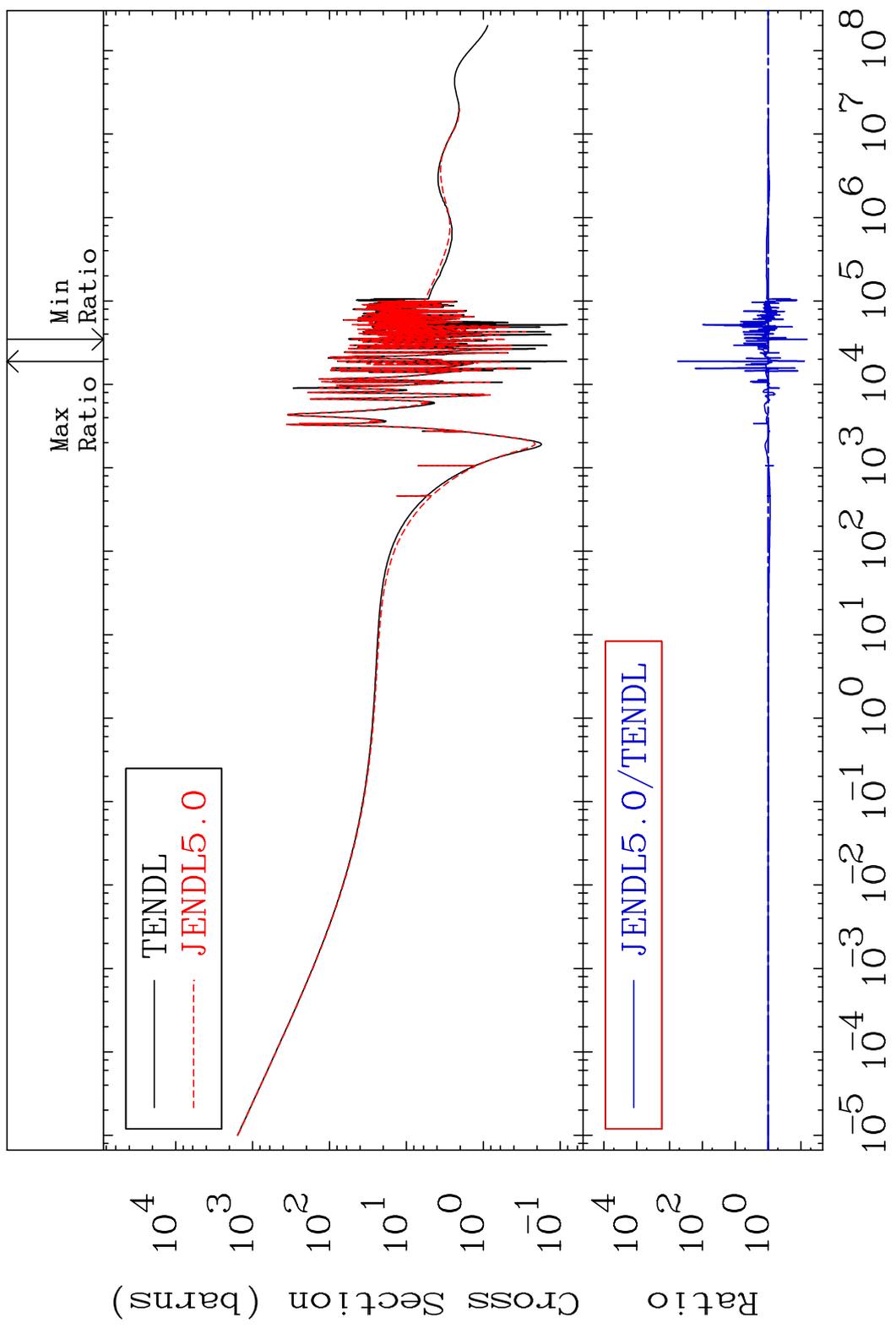
Press Mouse Button to Start

MAT 2125

Total

21-Sc-45

Cross Section -93.52 To 9999. %



1

Incident Energy (eV)

21-Sc-45

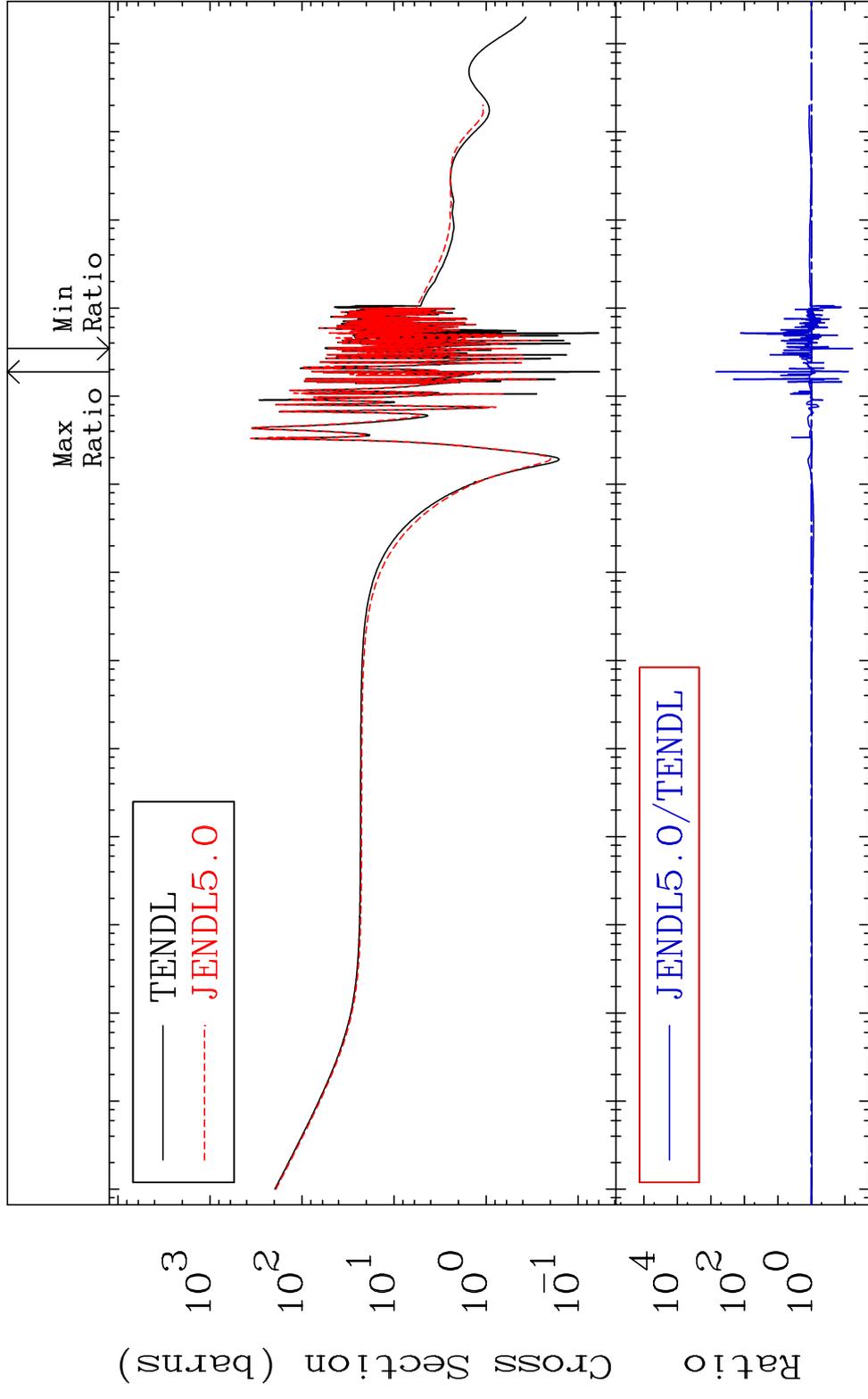
MAT 2125

Elastic

21-Sc-45

Cross Section

-94.07 To 9999. %



2

Incident Energy (eV)

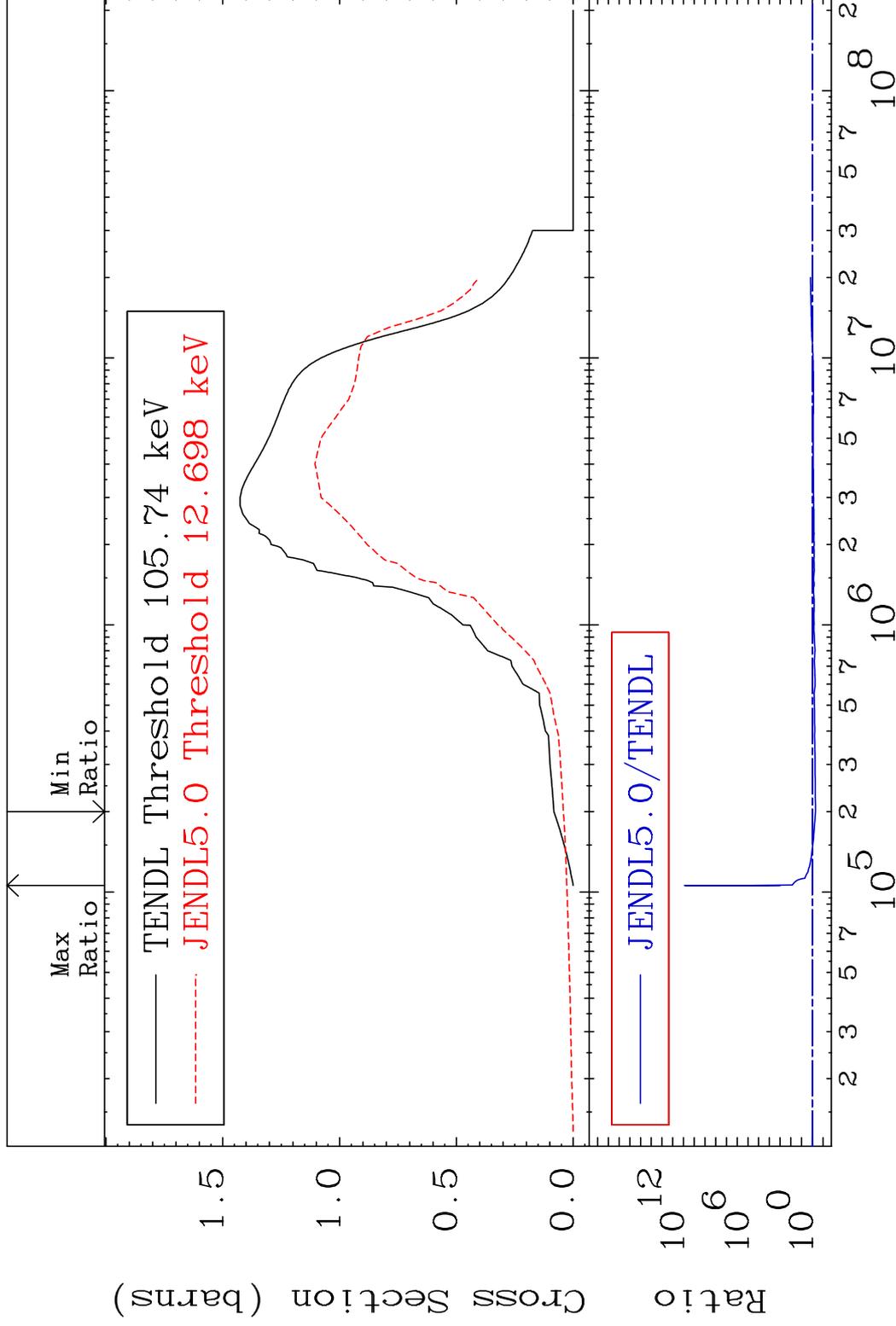
21-Sc-45

MAT 2125

Inelastic

21-Sc-45

Cross Section -49.42 To 9999. %

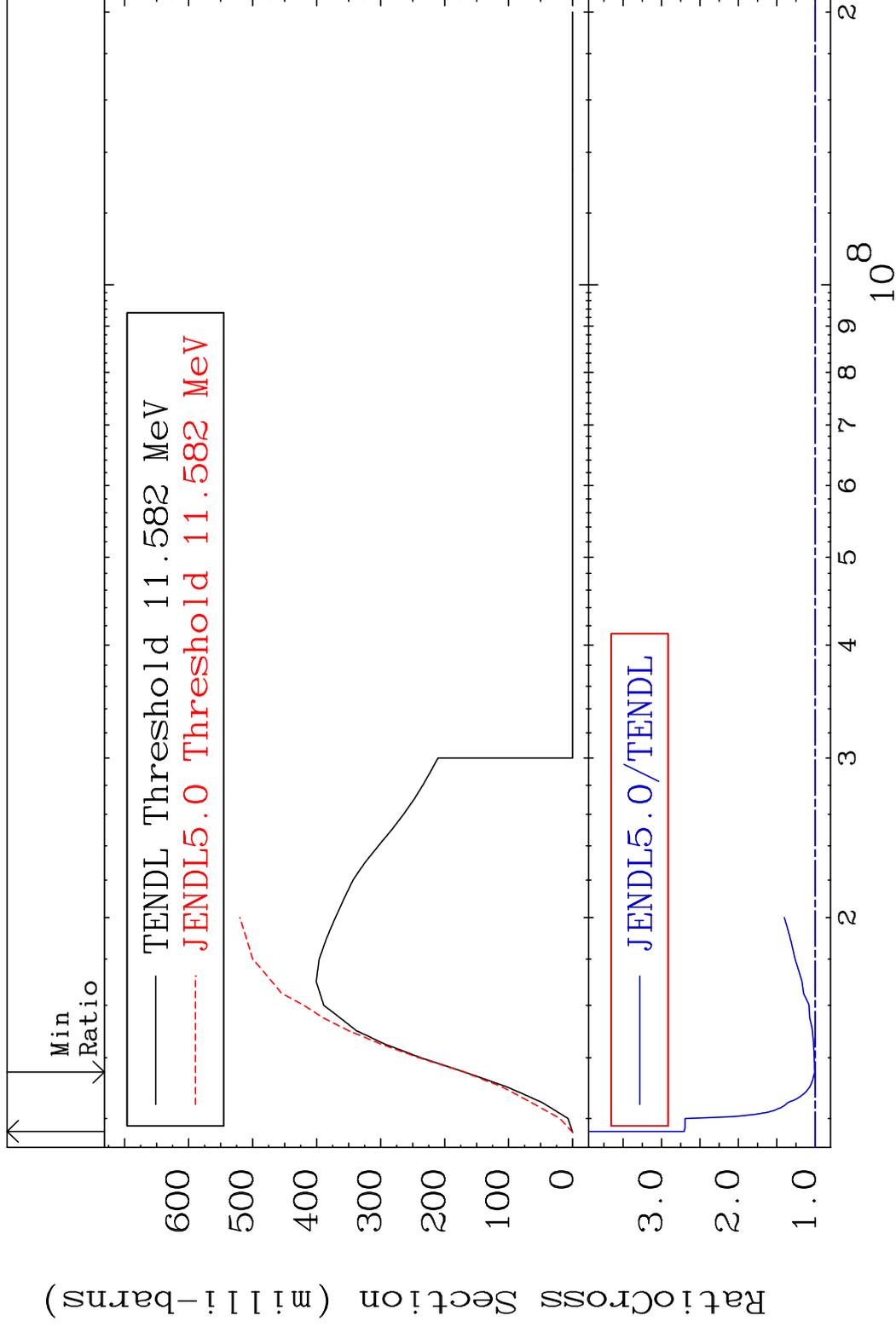


MAT 2125

(n,2n)

21-Sc-45

Cross Section 0.754 To 170.7 %

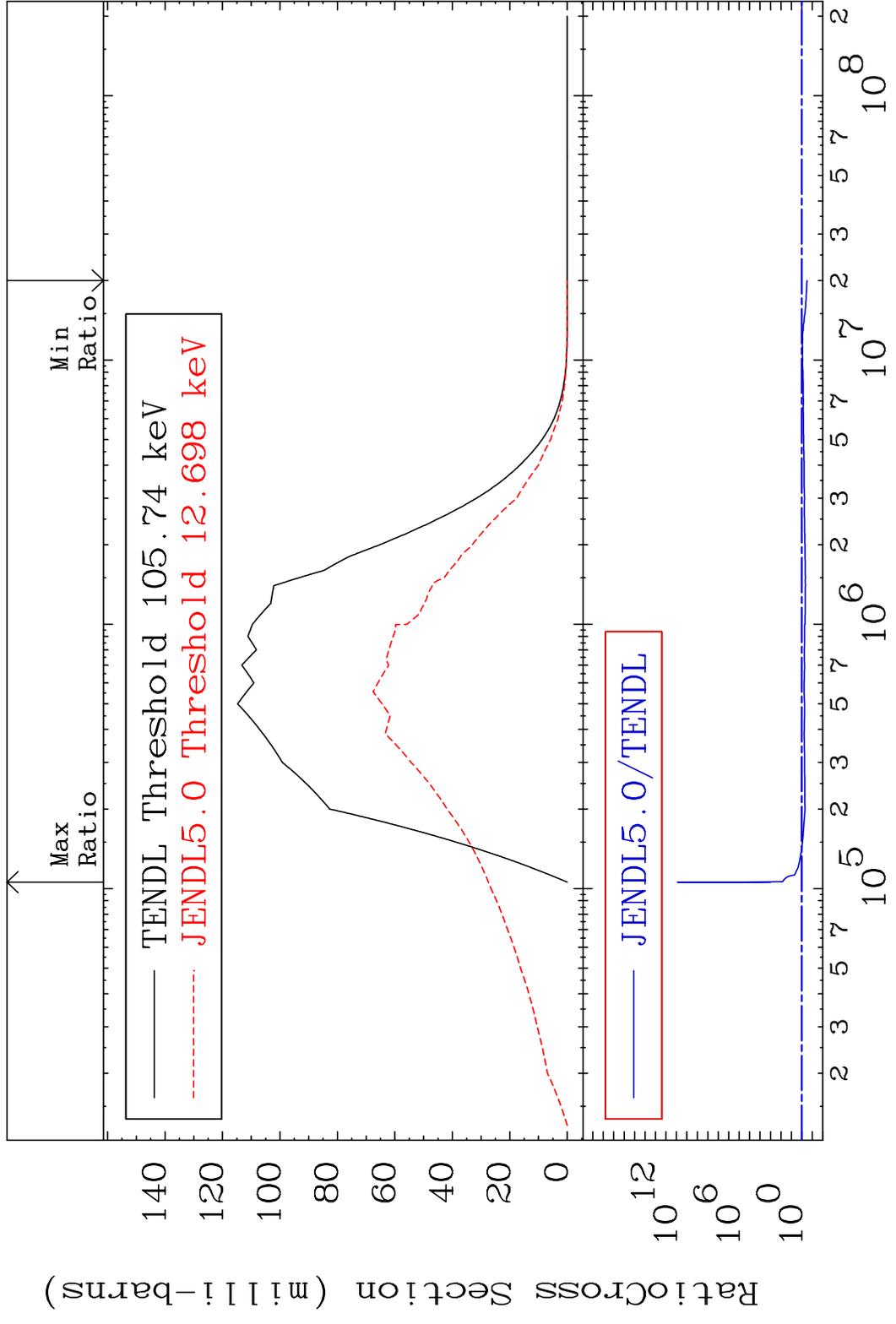


4

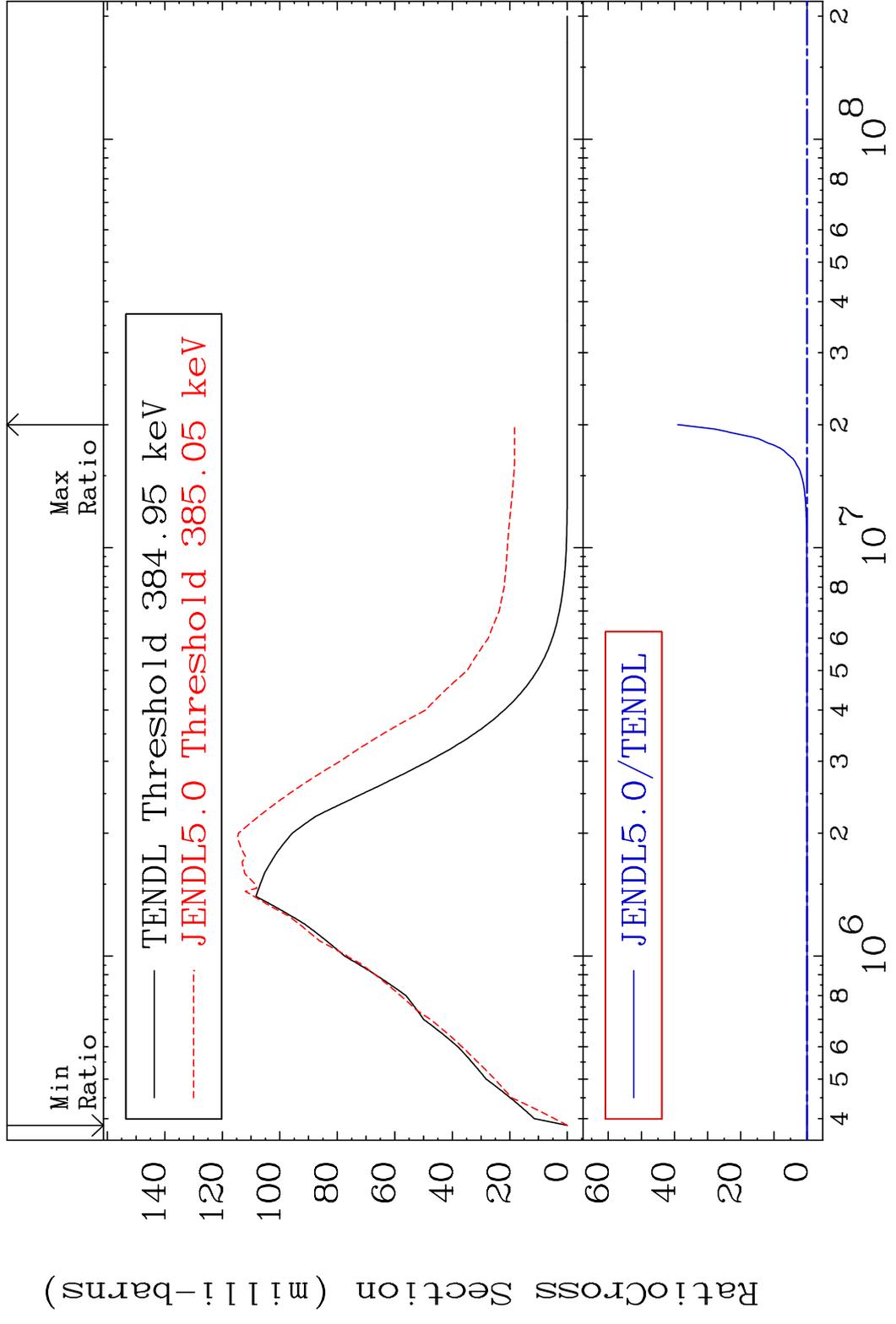
Incident Energy (eV)

21-Sc-45

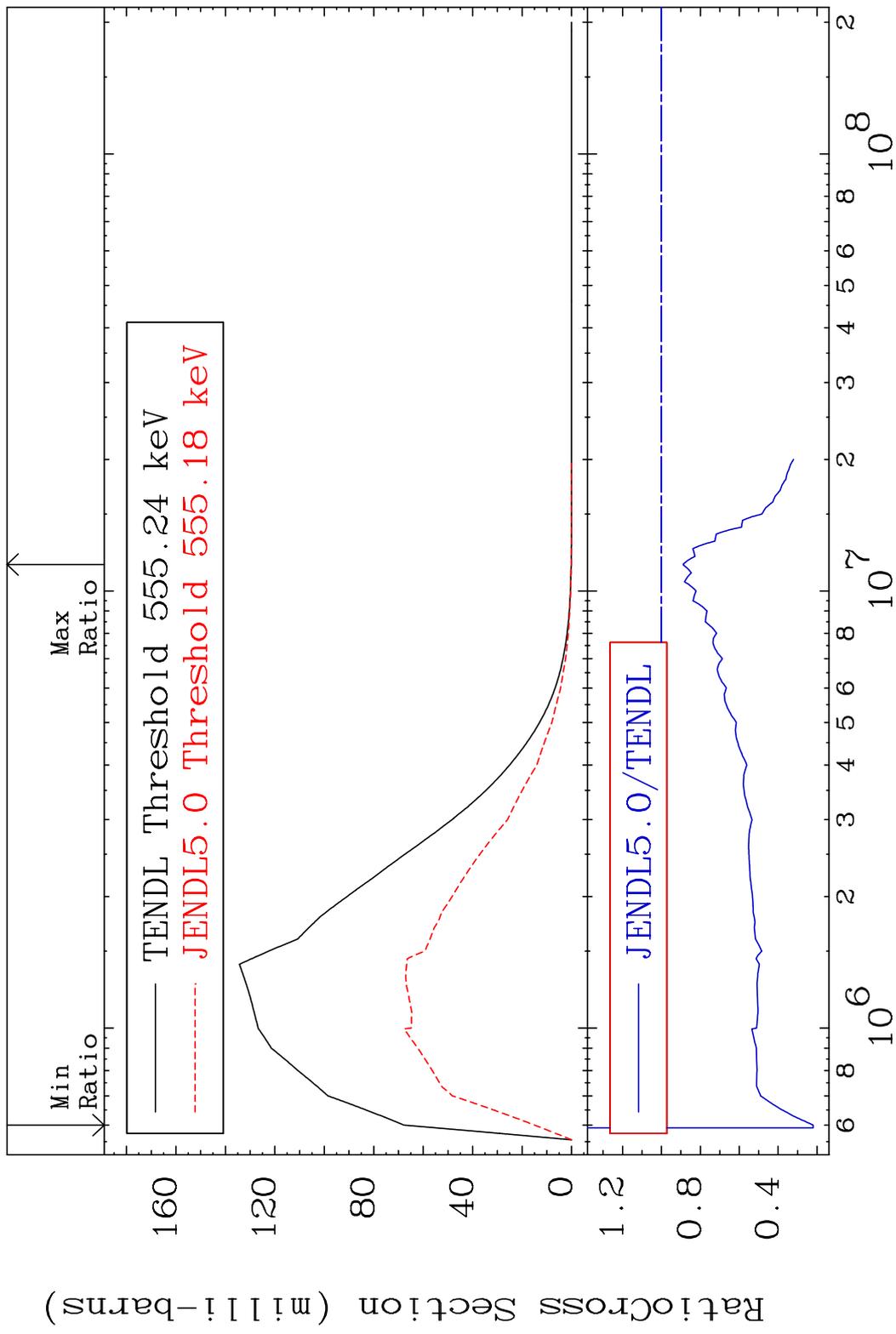
MAT 2125 MT= 51 (n, n') Level 21-Sc-45
 Cross Section -67.89 To 9999. %



MAT 2125 MT= 52 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 9999. %

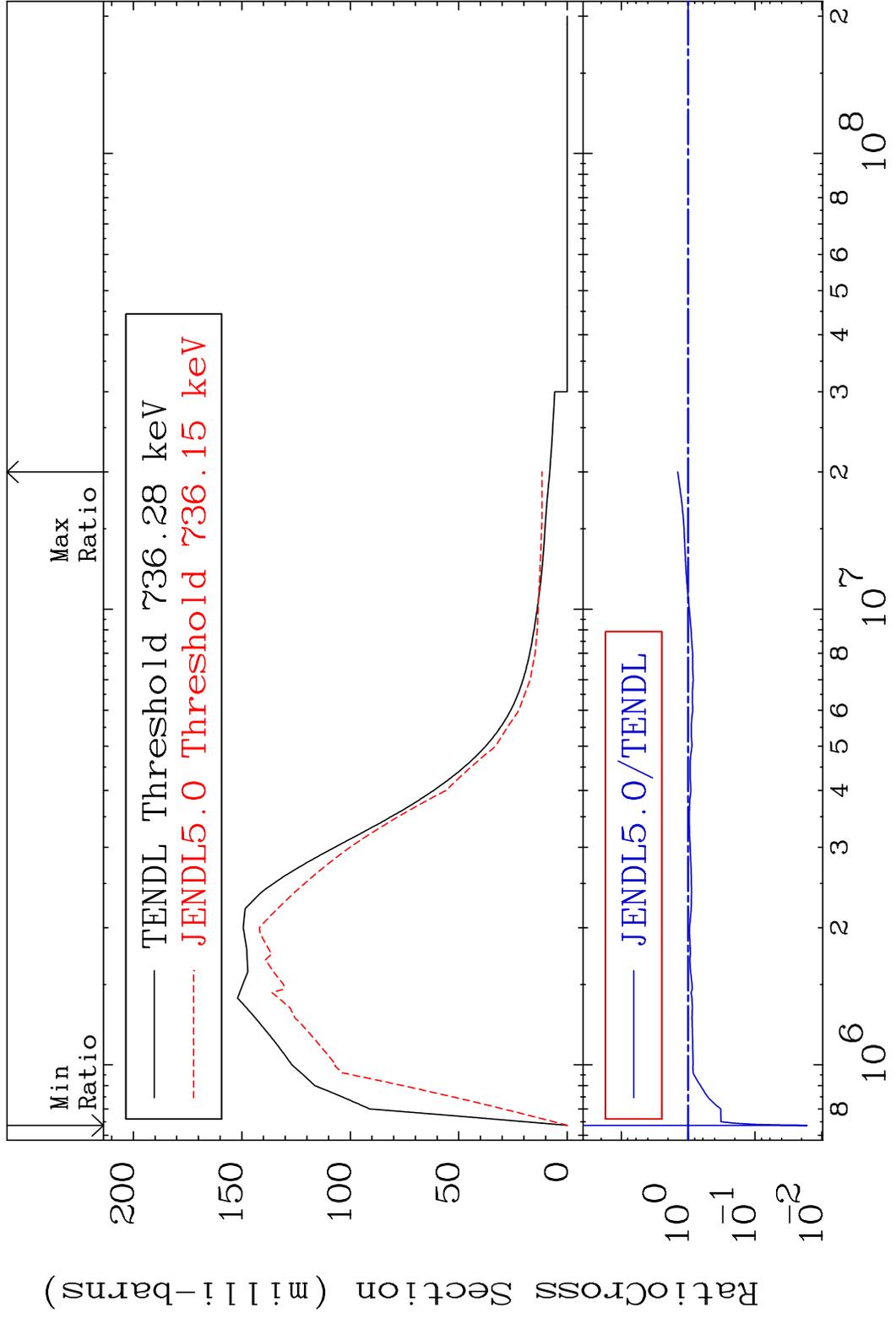


MAT 2125 MT= 53 (n, n') Level 21-Sc-45
 Cross Section -77.99 To -10.99%



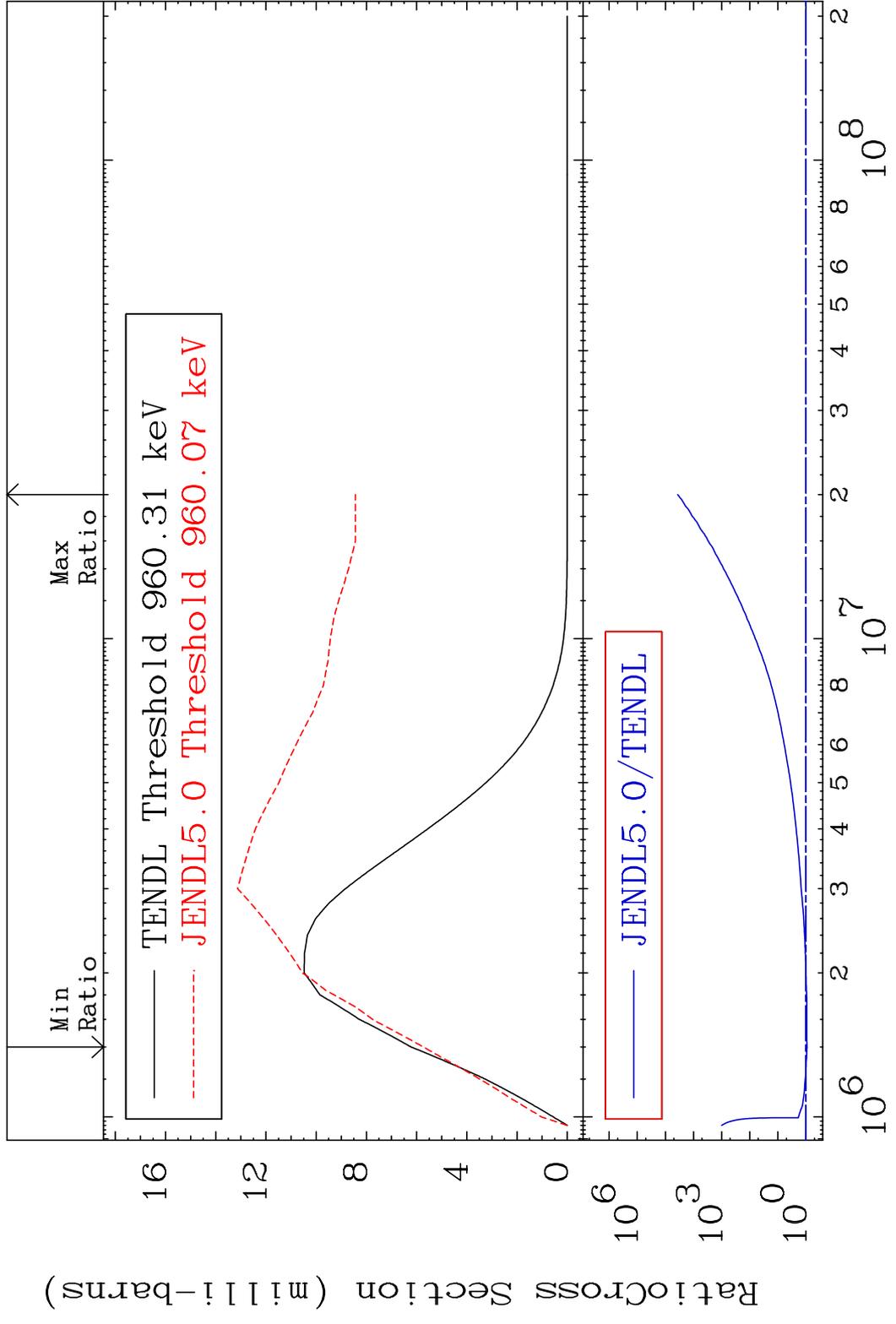
7 Incident Energy (eV) 21-Sc-45

MAT 2125 MT= 54 (n, n') Level 21-Sc-45
 Cross Section -98.33 To 43.25 %



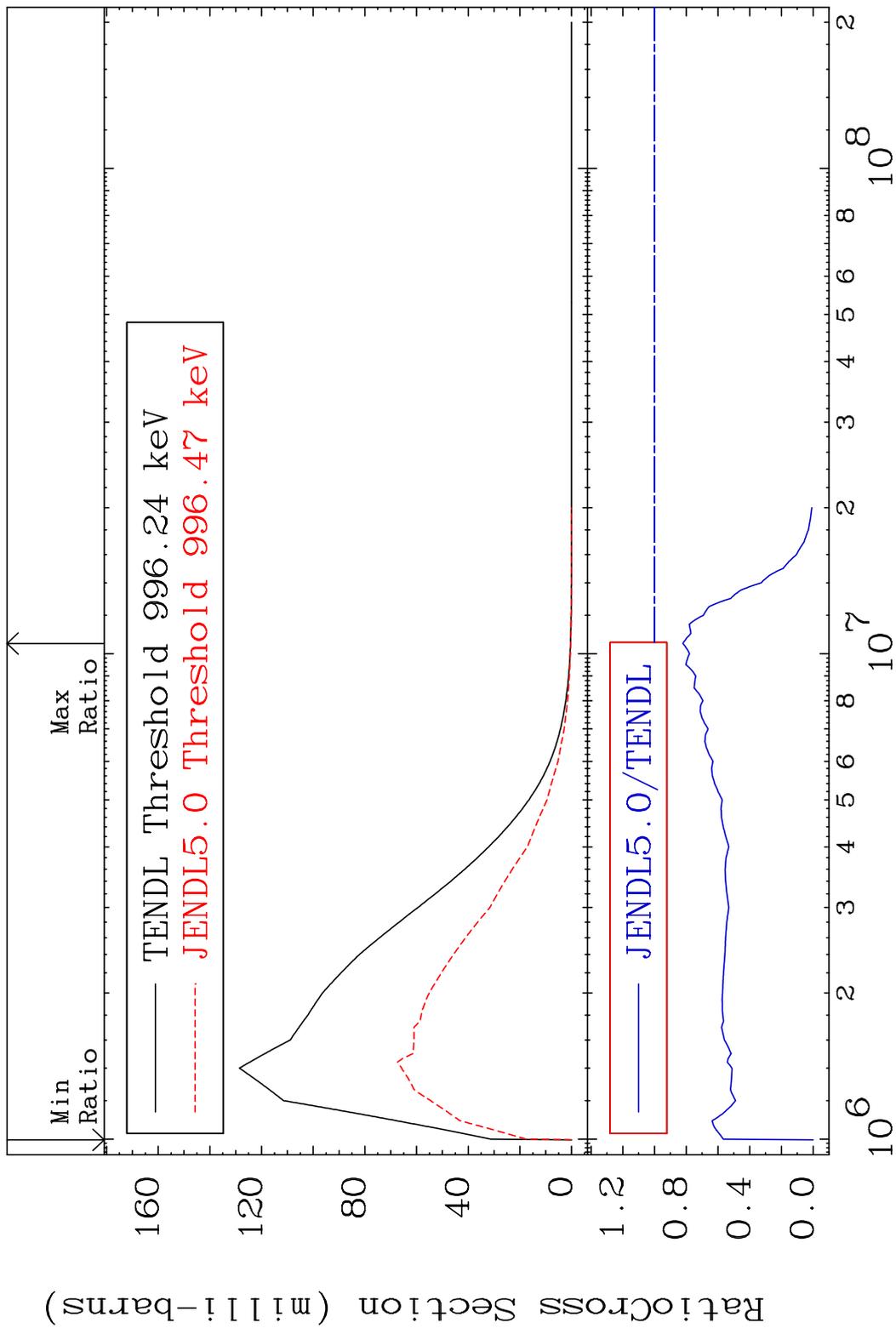
8 8 Incident Energy (eV) 21-Sc-45

MAT 2125 MT= 55 (n, n') Level 21-Sc-45
 Cross Section -7.921 To 9999. %



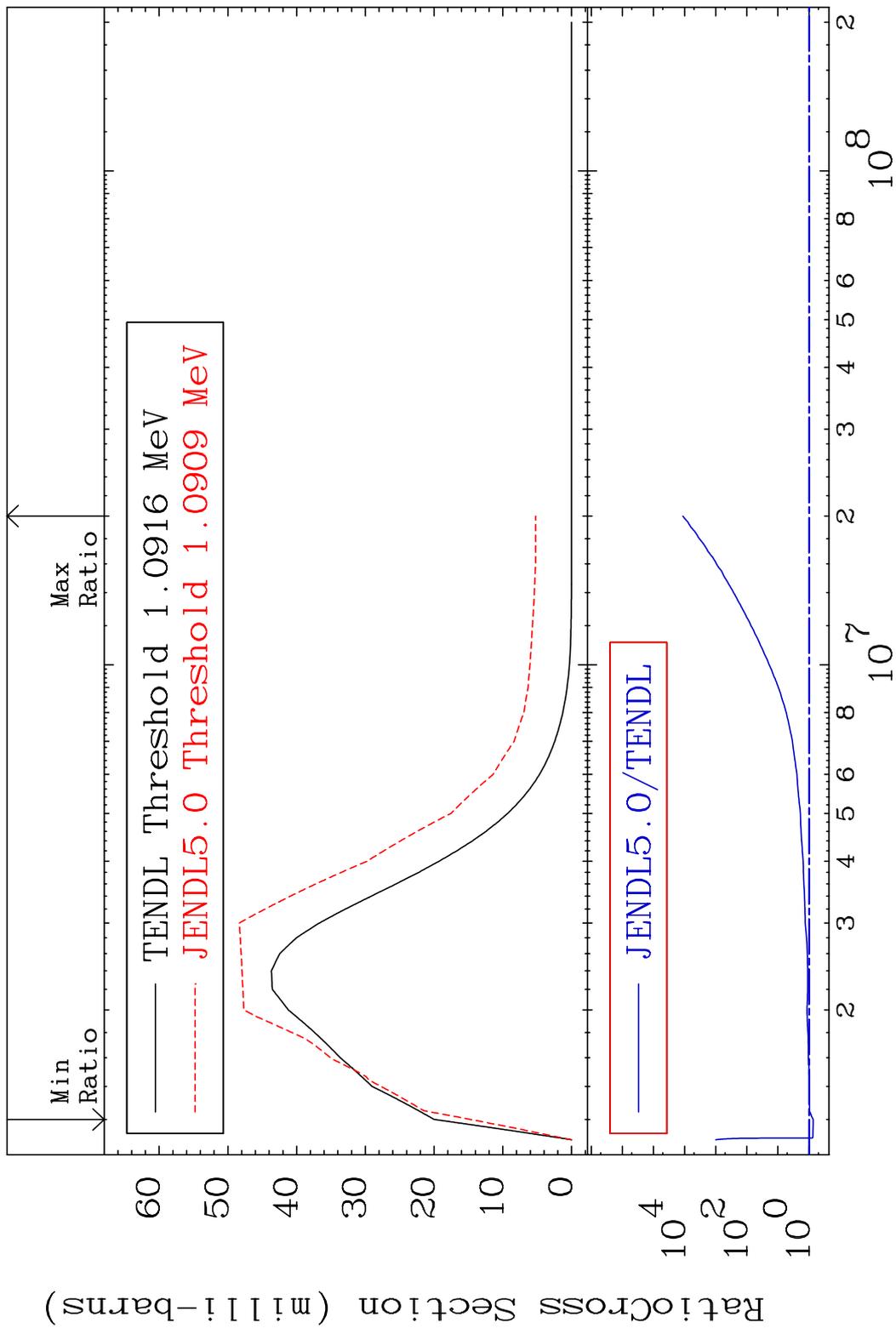
9 Incident Energy (eV) 21-Sc-45

MAT 2125 MT= 56 (n,n') Level 21-Sc-45
 Cross Section -100.0 To -17.84%

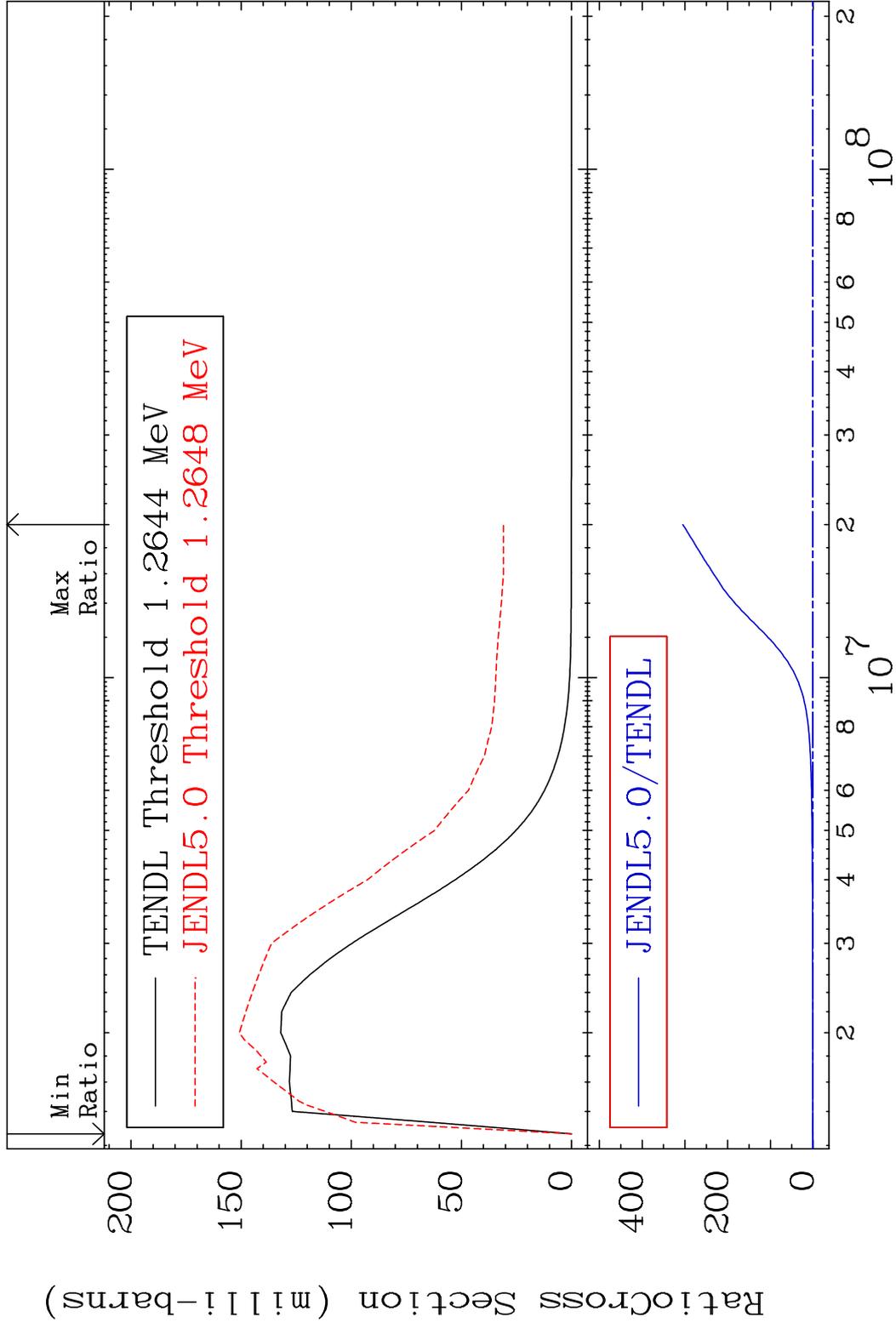


10 21-Sc-45

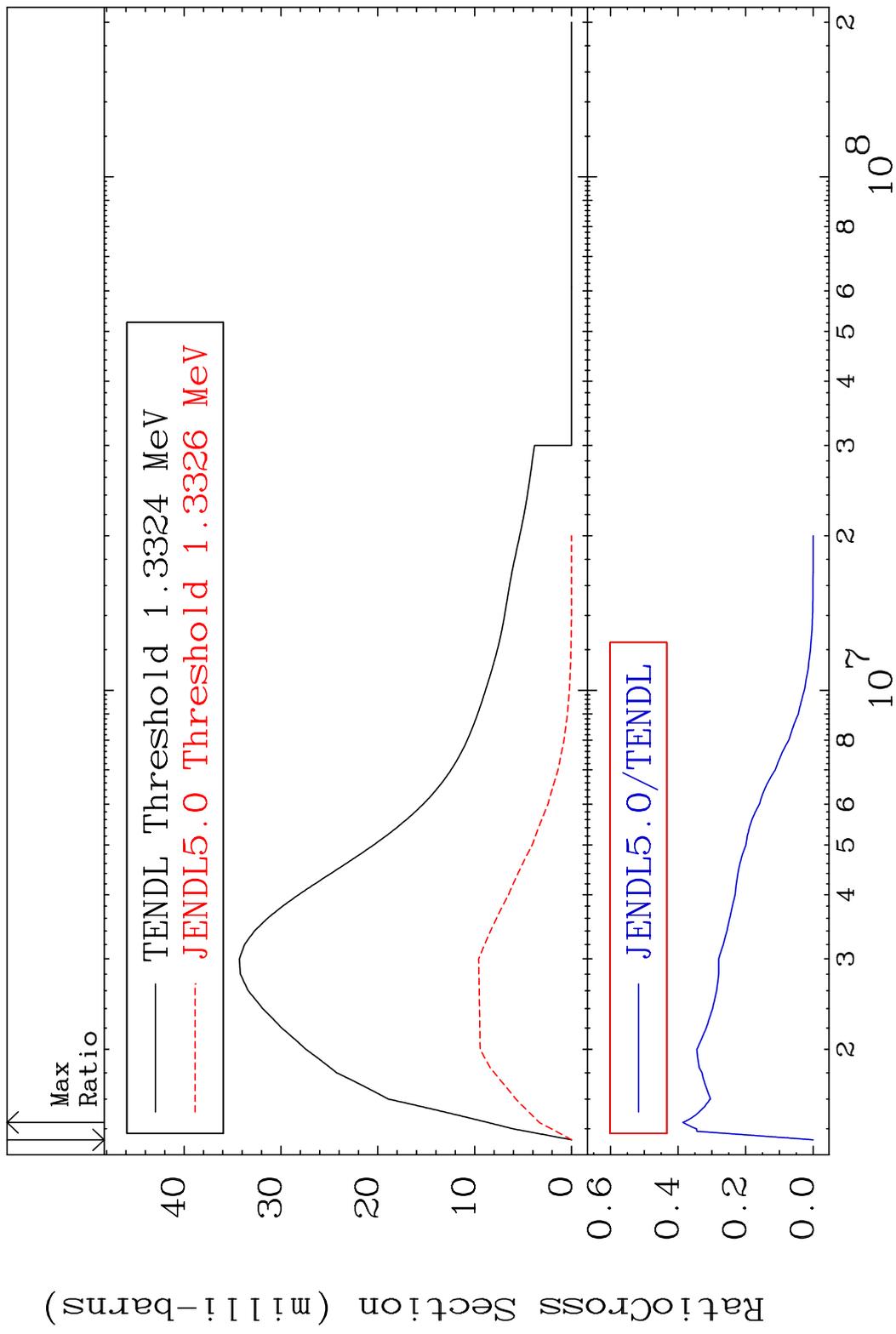
MAT 2125 MT= 57 (n, n') Level 21-Sc-45
 Cross Section -26.34 To 9999. %



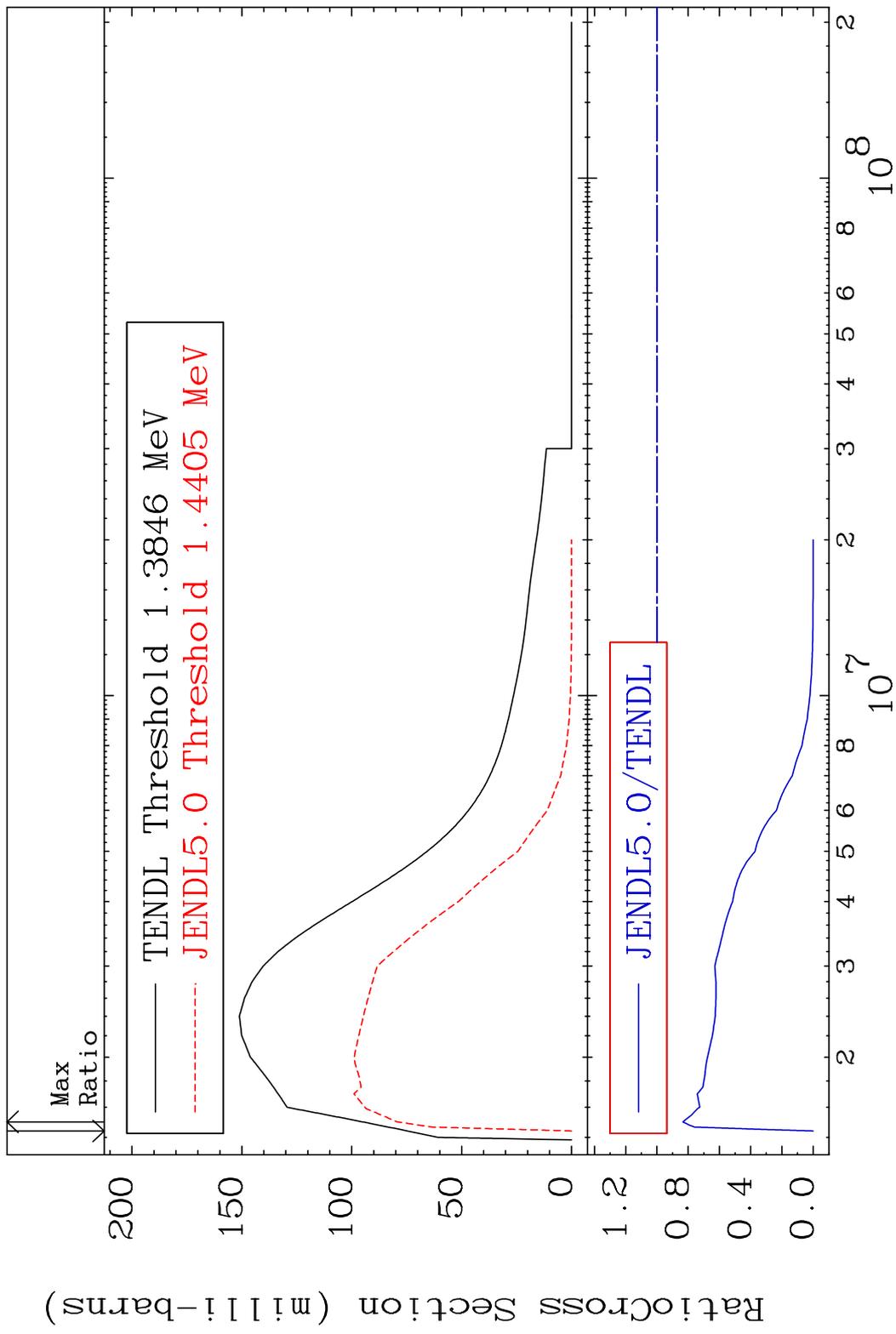
MAT 2125 MT= 58 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 9999. %



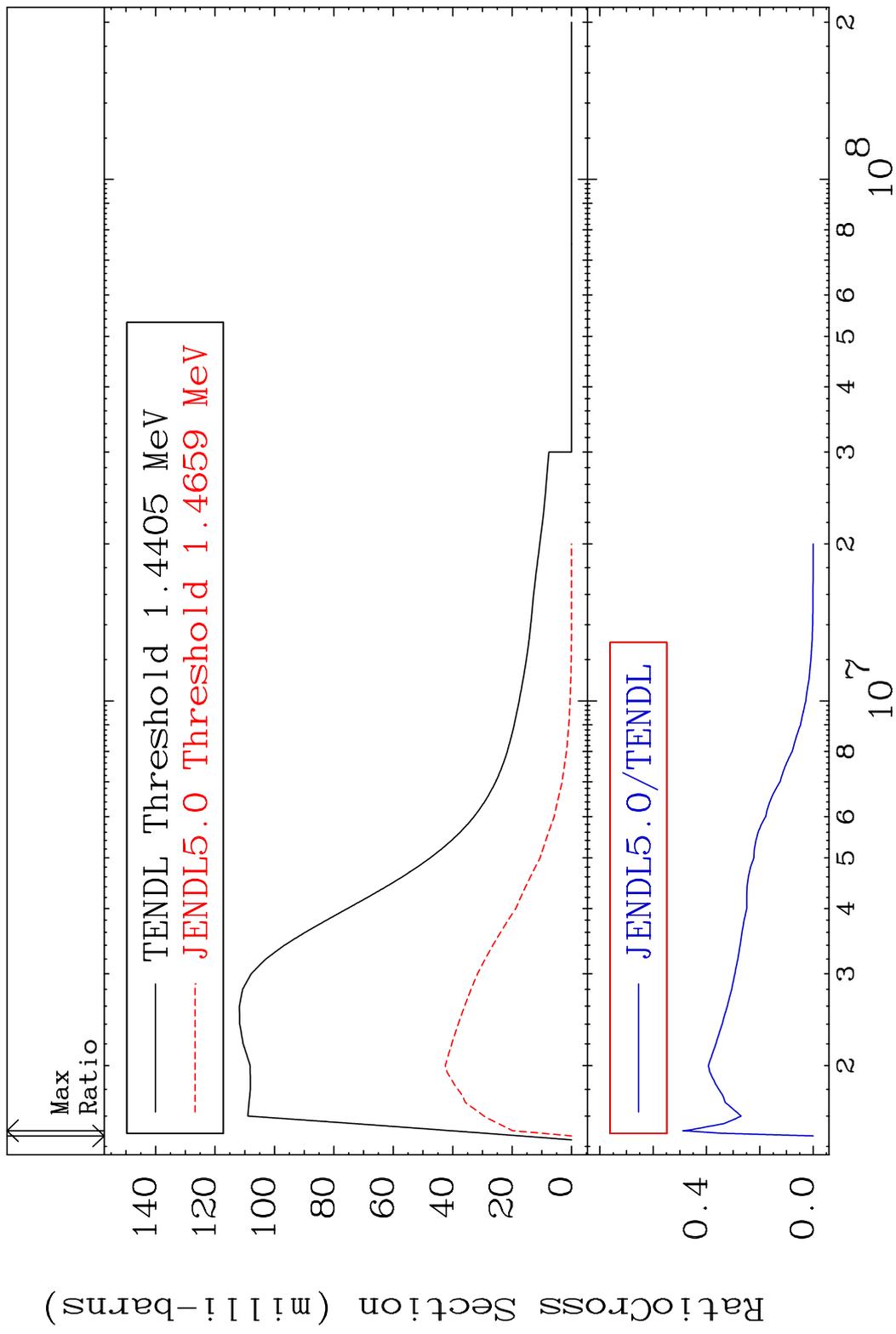
MAT 2125 MT= 59 (n, n') Level 21-Sc-45
 Cross Section -100.0 To -61.43%



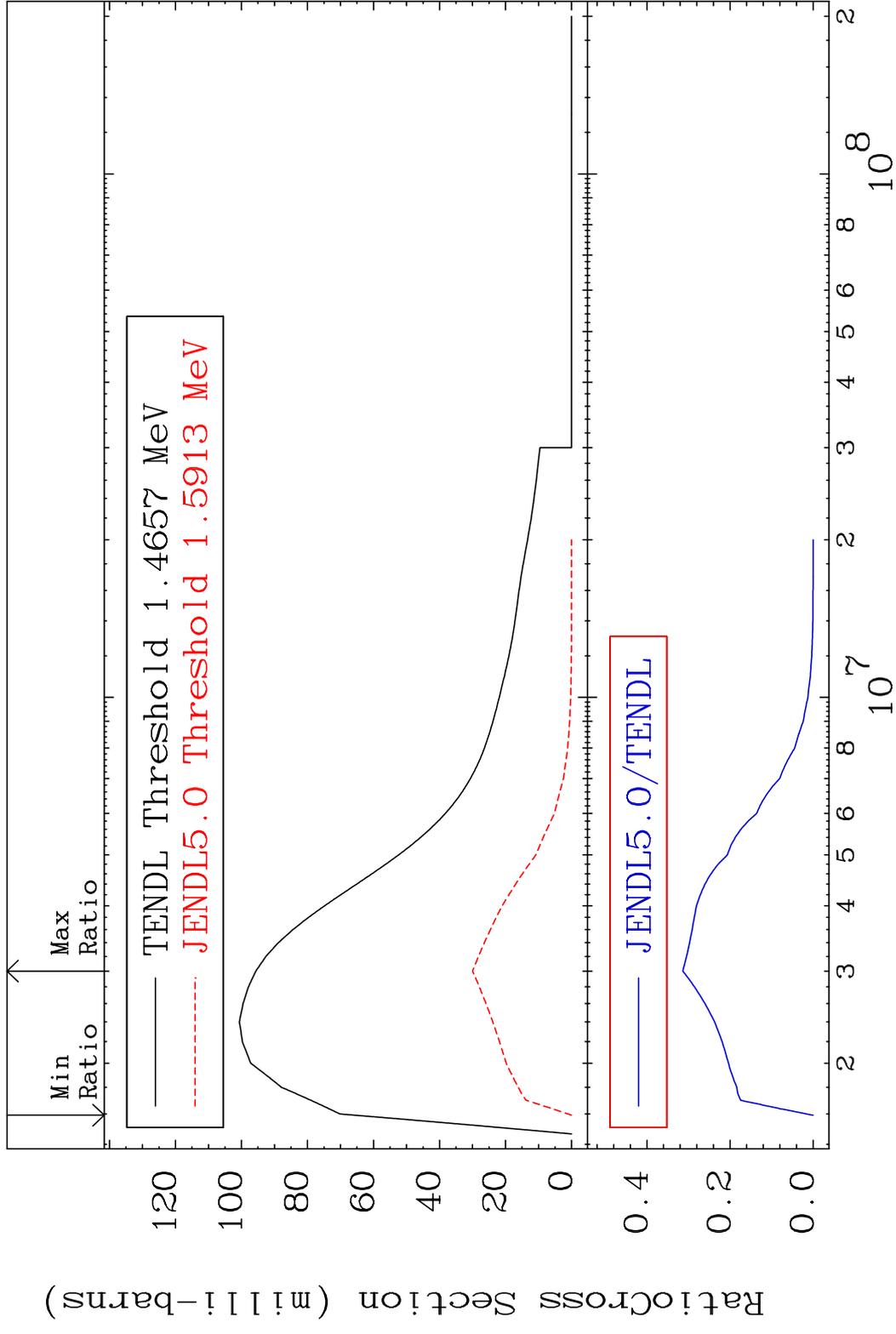
MAT 2125 MT= 60 (n,n') Level 21-Sc-45
 Cross Section -100.0 To -16.57%



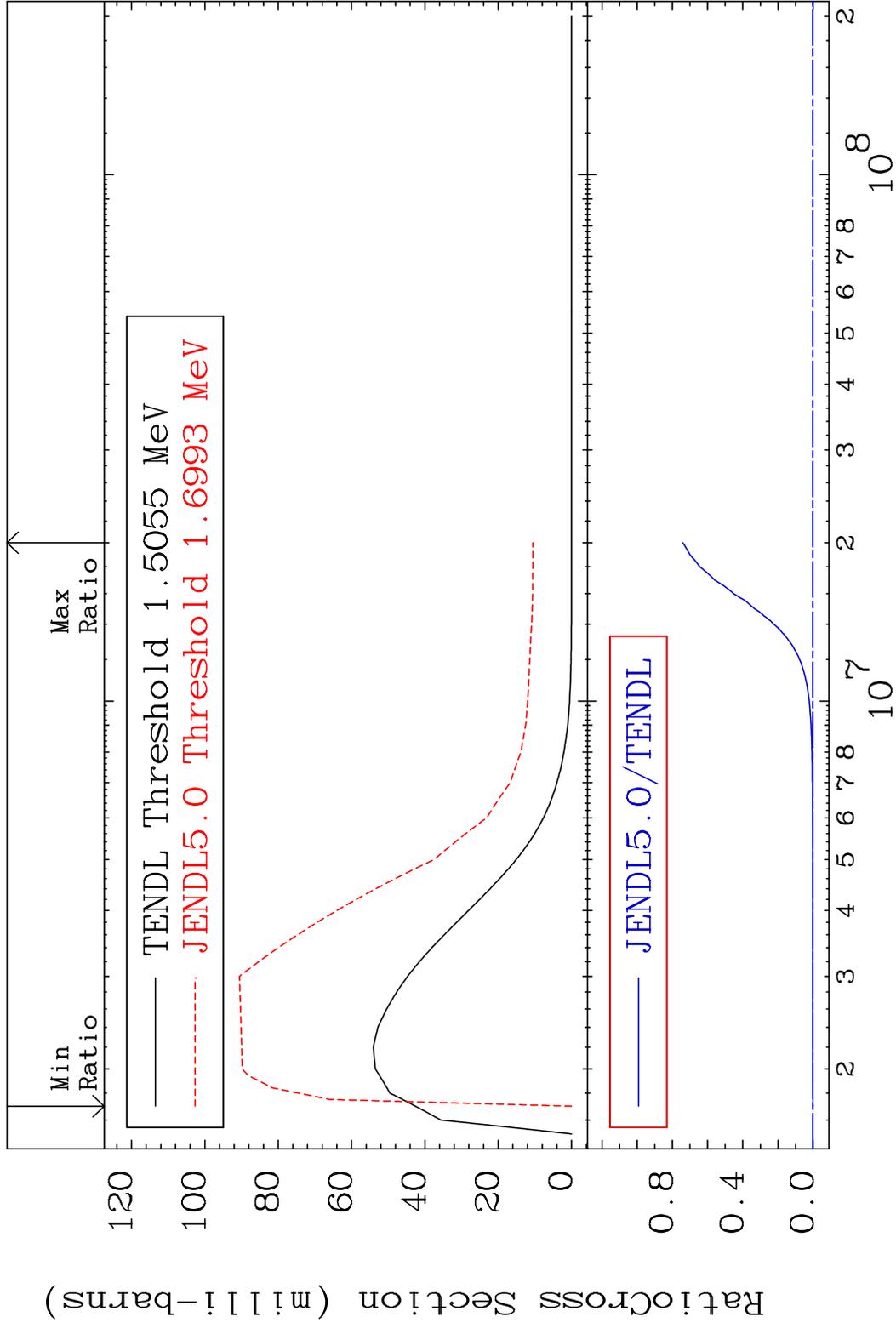
MAT 2125 MT= 61 (n, n') Level 21-Sc-45
 Cross Section -100.0 To -51.13%



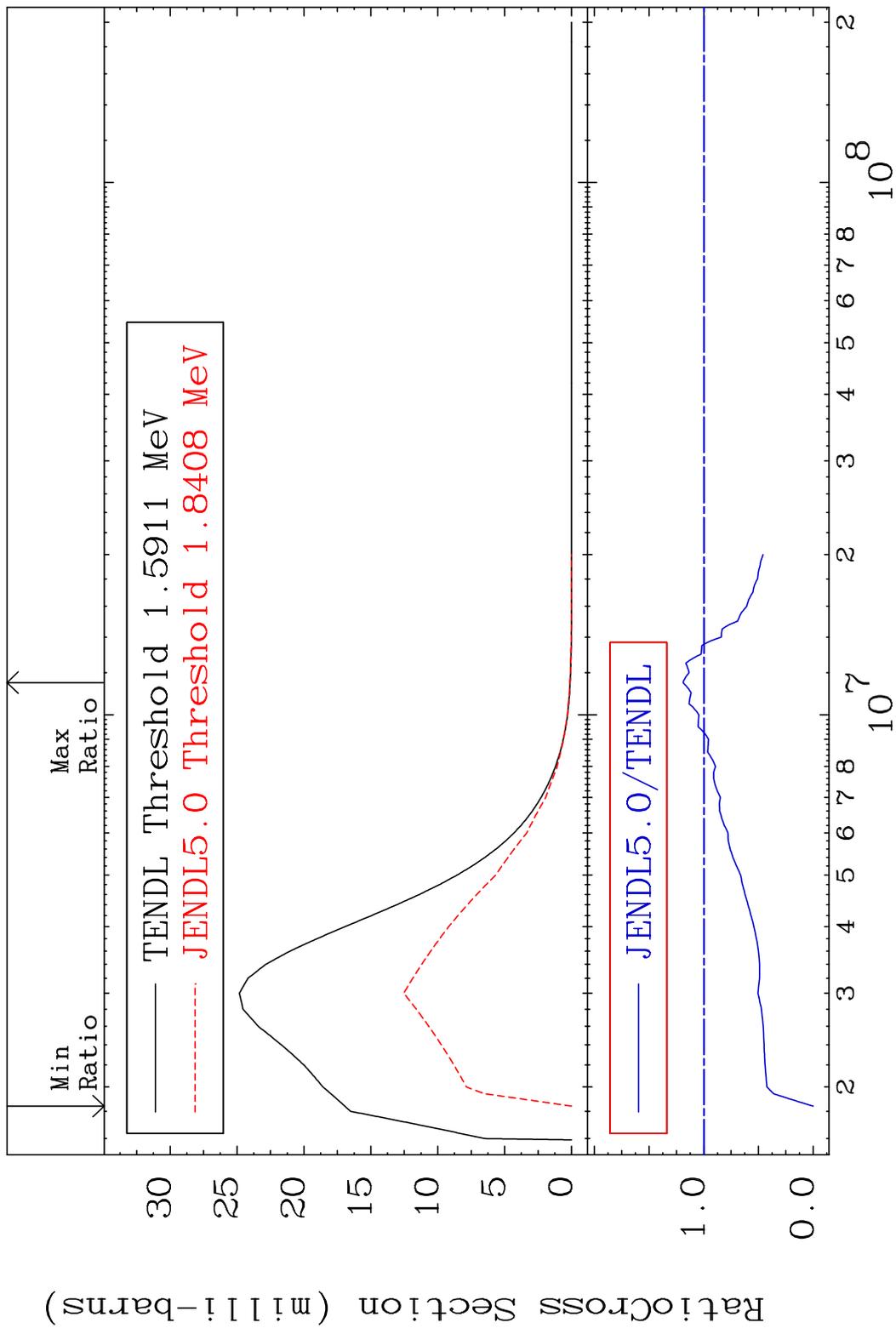
MAT 2125 MT= 62 (n,n') Level 21-Sc-45
 Cross Section -100.0 To -68.64%



MAT 2125 MT= 63 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 9999. %



MAT 2125 MT= 64 (n, n') Level 21-Sc-45
 Cross Section -100.0 To 19.15 %



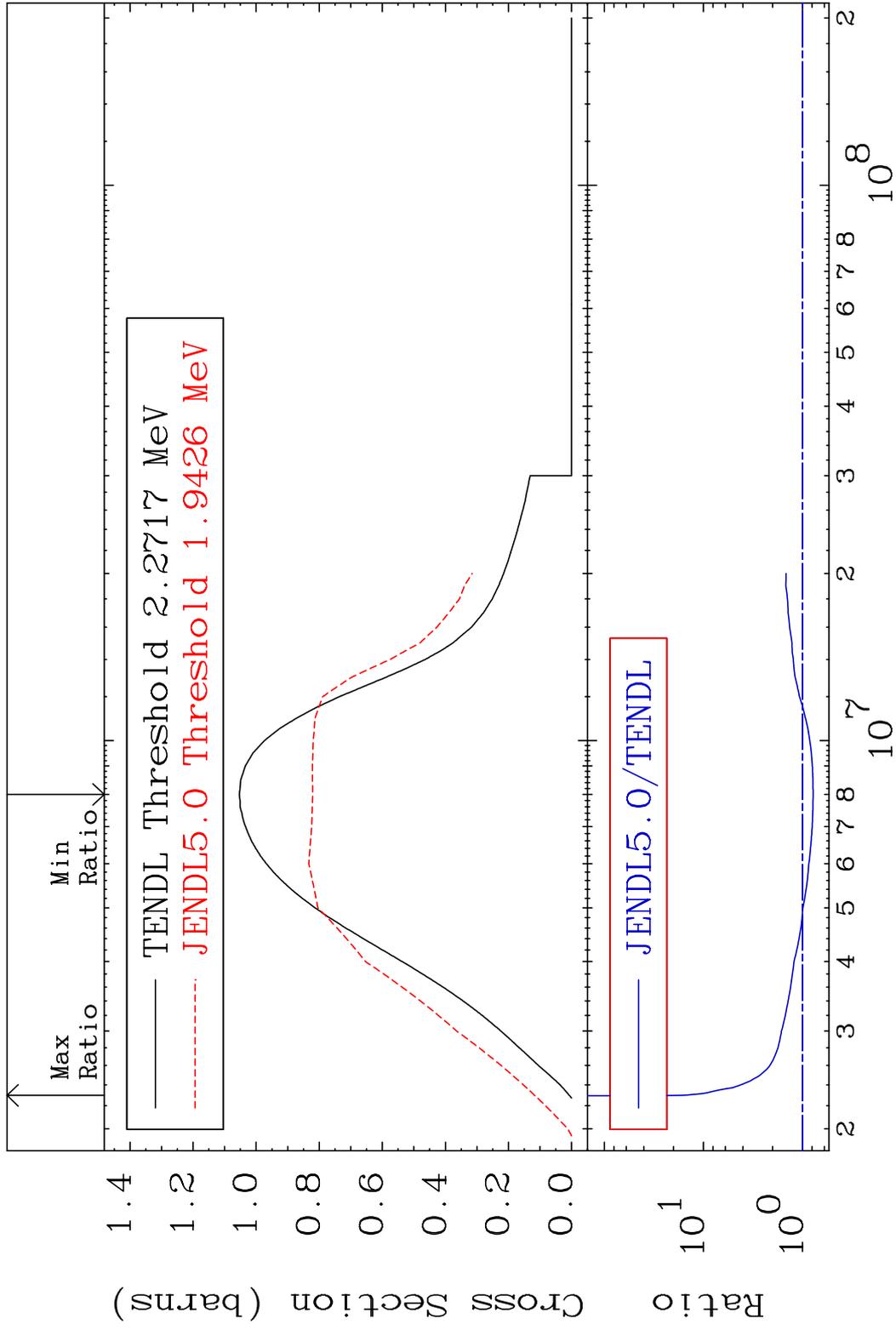
18 Incident Energy (eV) 21-Sc-45

MAT 2125

(n, n') Continuum

21-Sc-45

Cross Section -22.04 To 1513. %

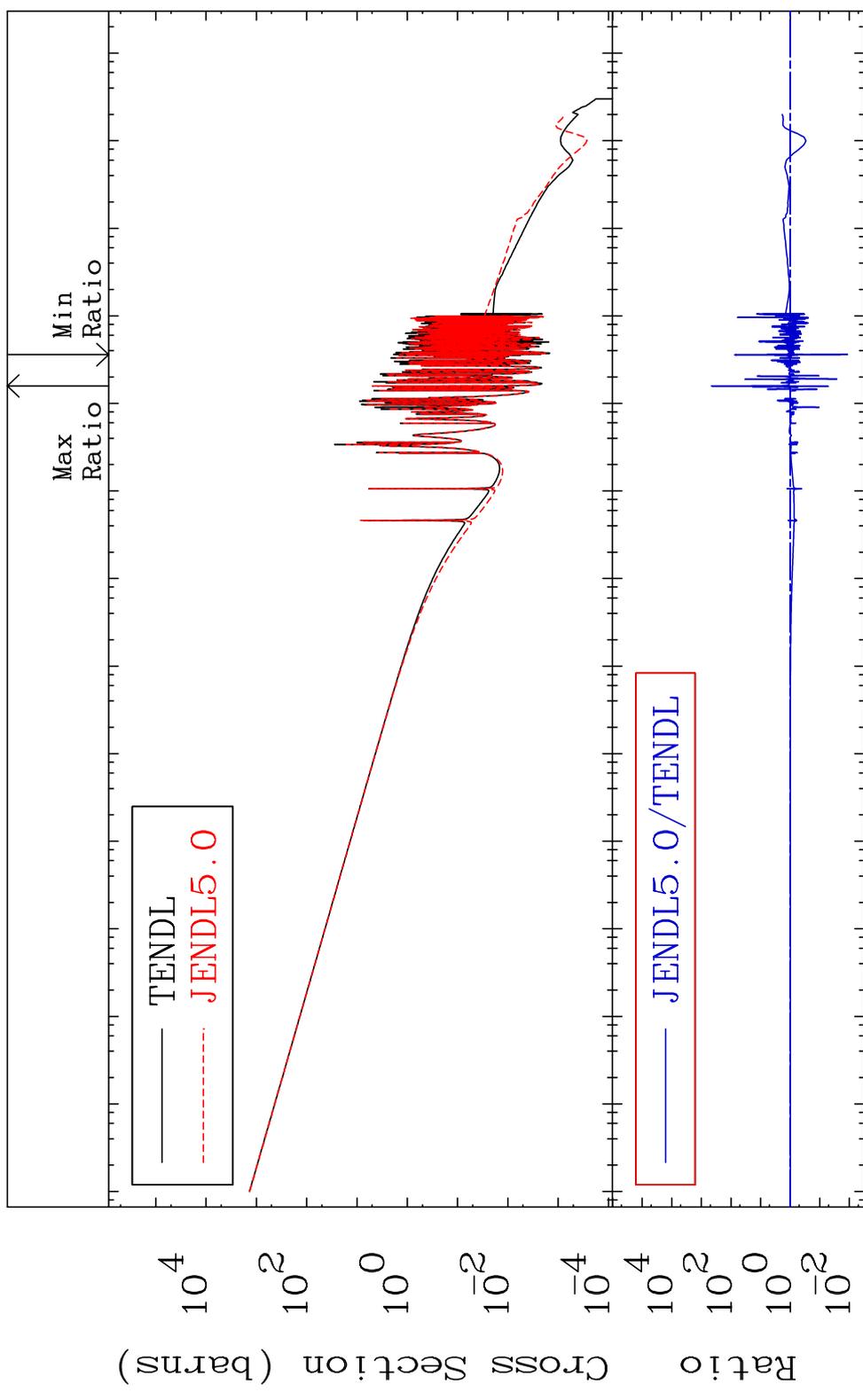


MAT 2125

(n, γ)

21-Sc-45

Cross Section -98.85 To 9999. %



20

Incident Energy (eV)

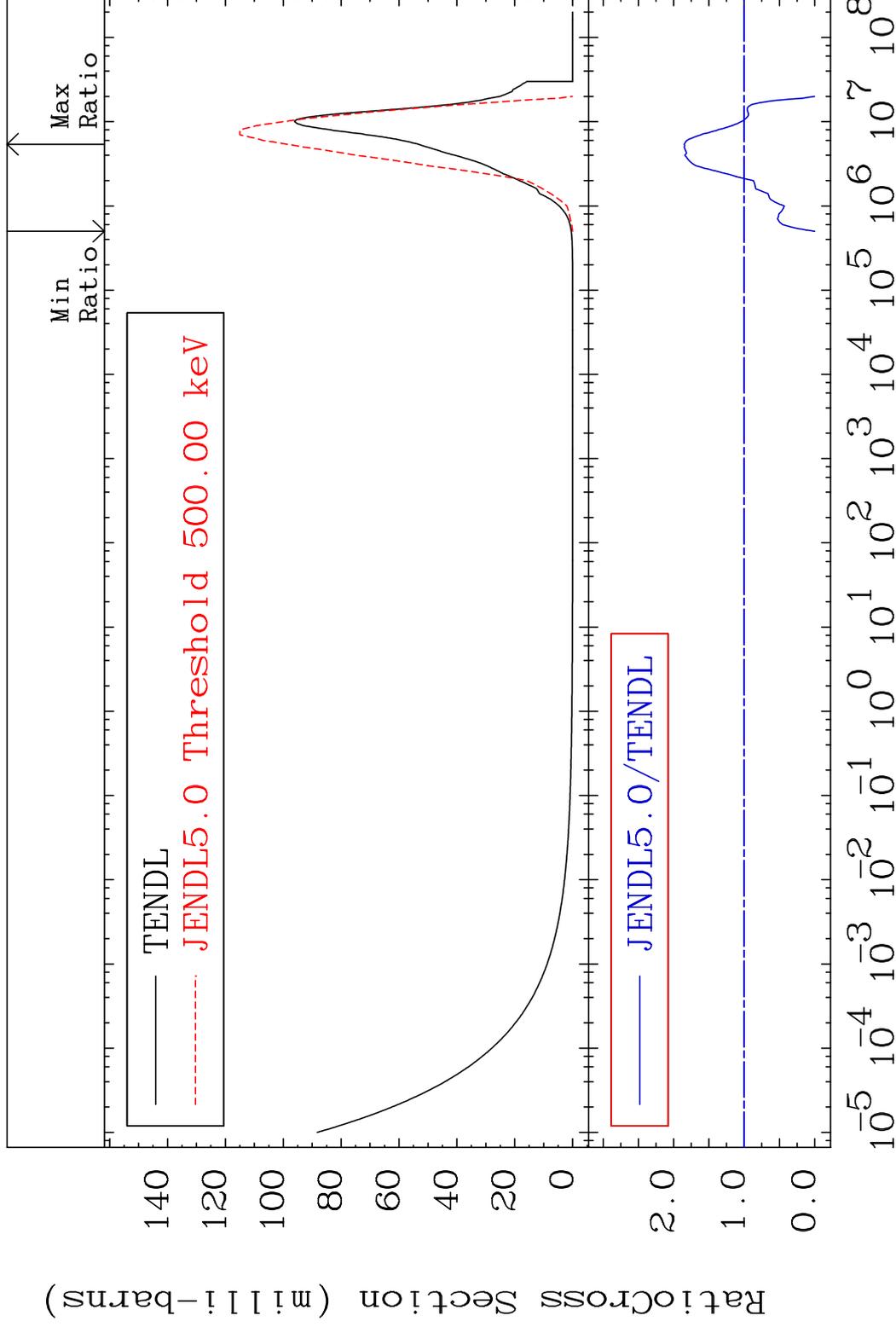
21-Sc-45

MAT 2125

(n,p)

21-Sc-45

Cross Section -100.0 To 85.13 %

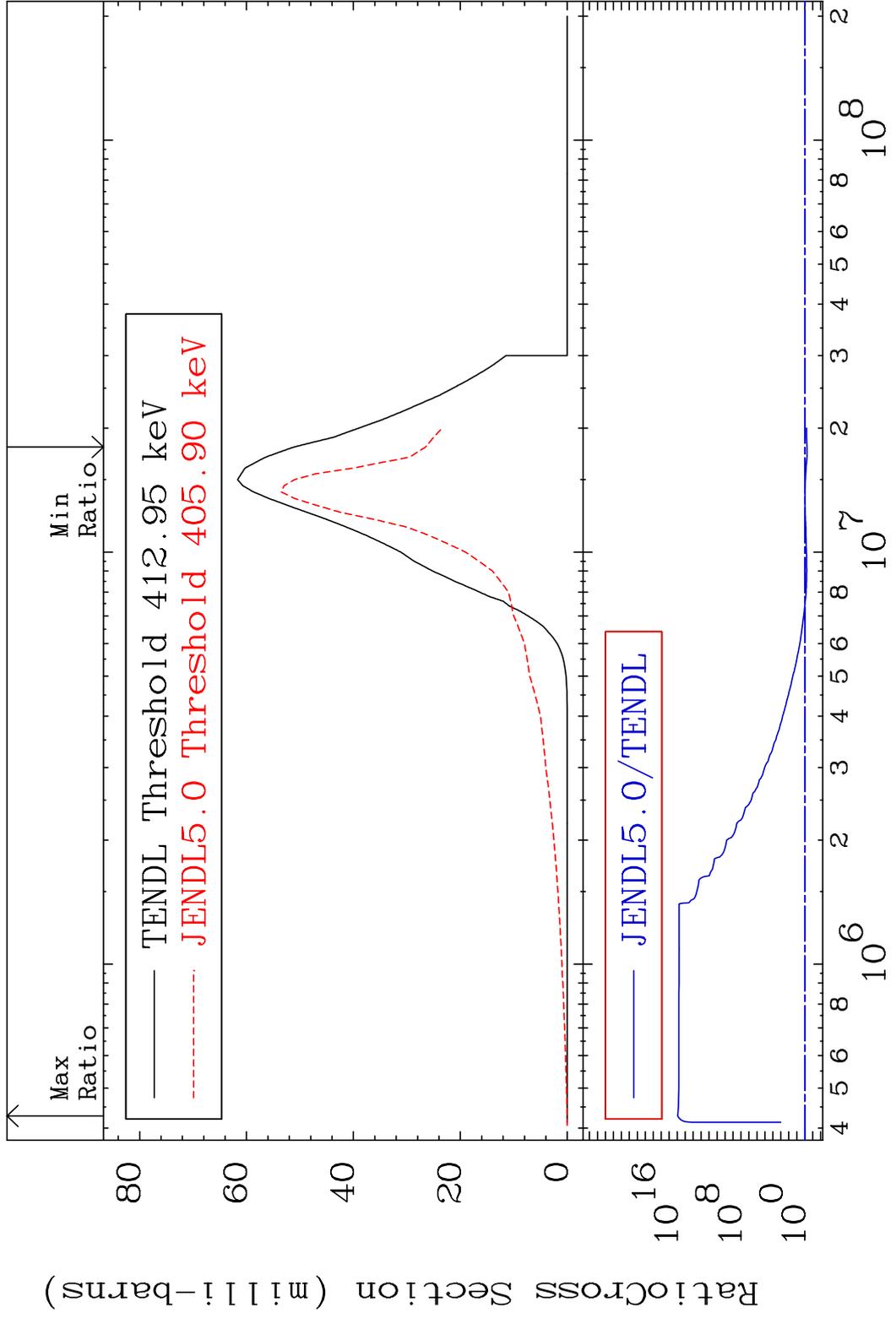


21

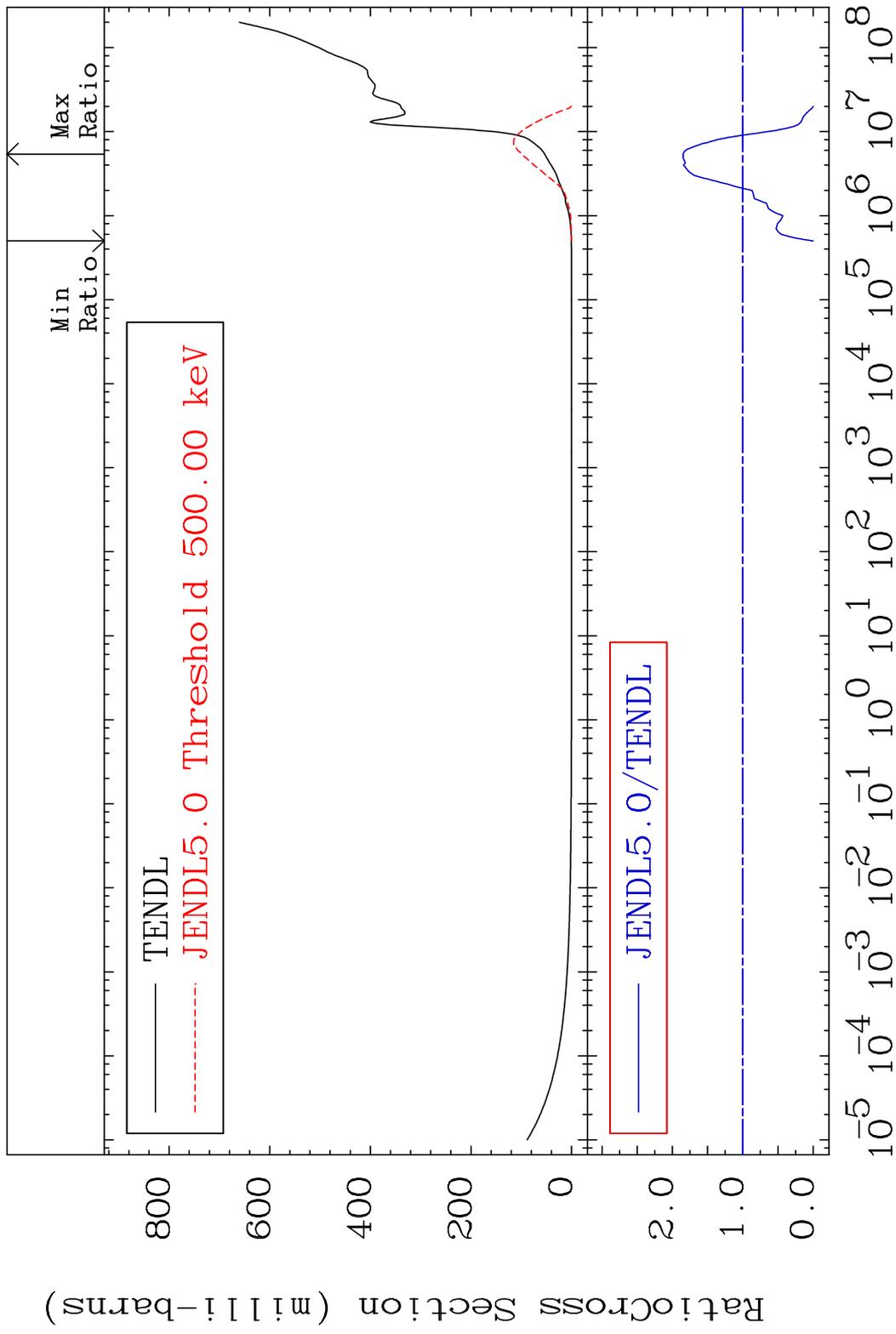
Incident Energy (eV)

21-Sc-45

MAT 2125 (n, α) 21-Sc-45
 Cross Section -48.17 To 9999. %



MAT 2125 Hydrogen Production 21-Sc-45
 Cross Section -100.0 To 85.13 %

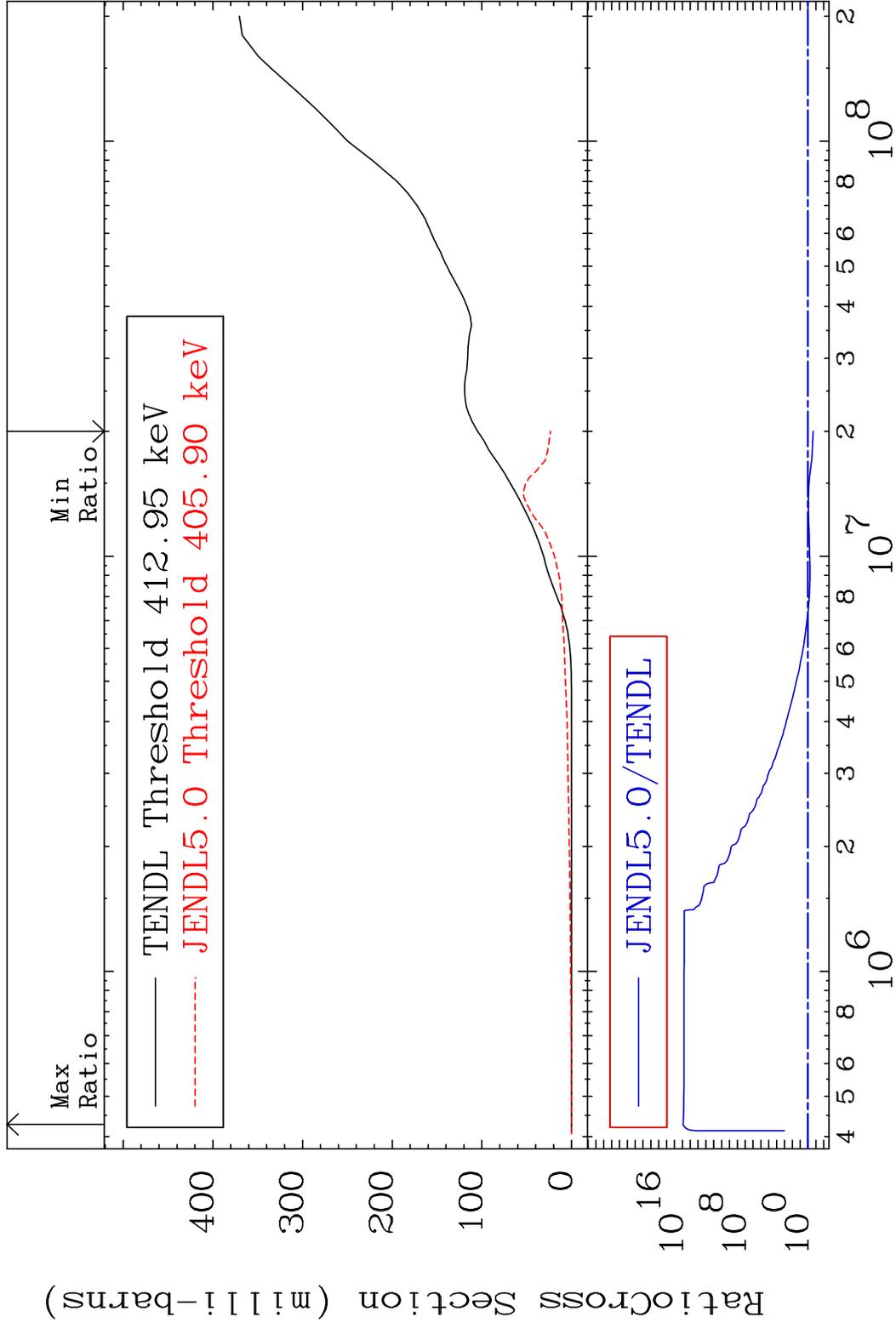


MAT 2125

He-4 Production

21-Sc-45

Cross Section -77.66 To 9999. %

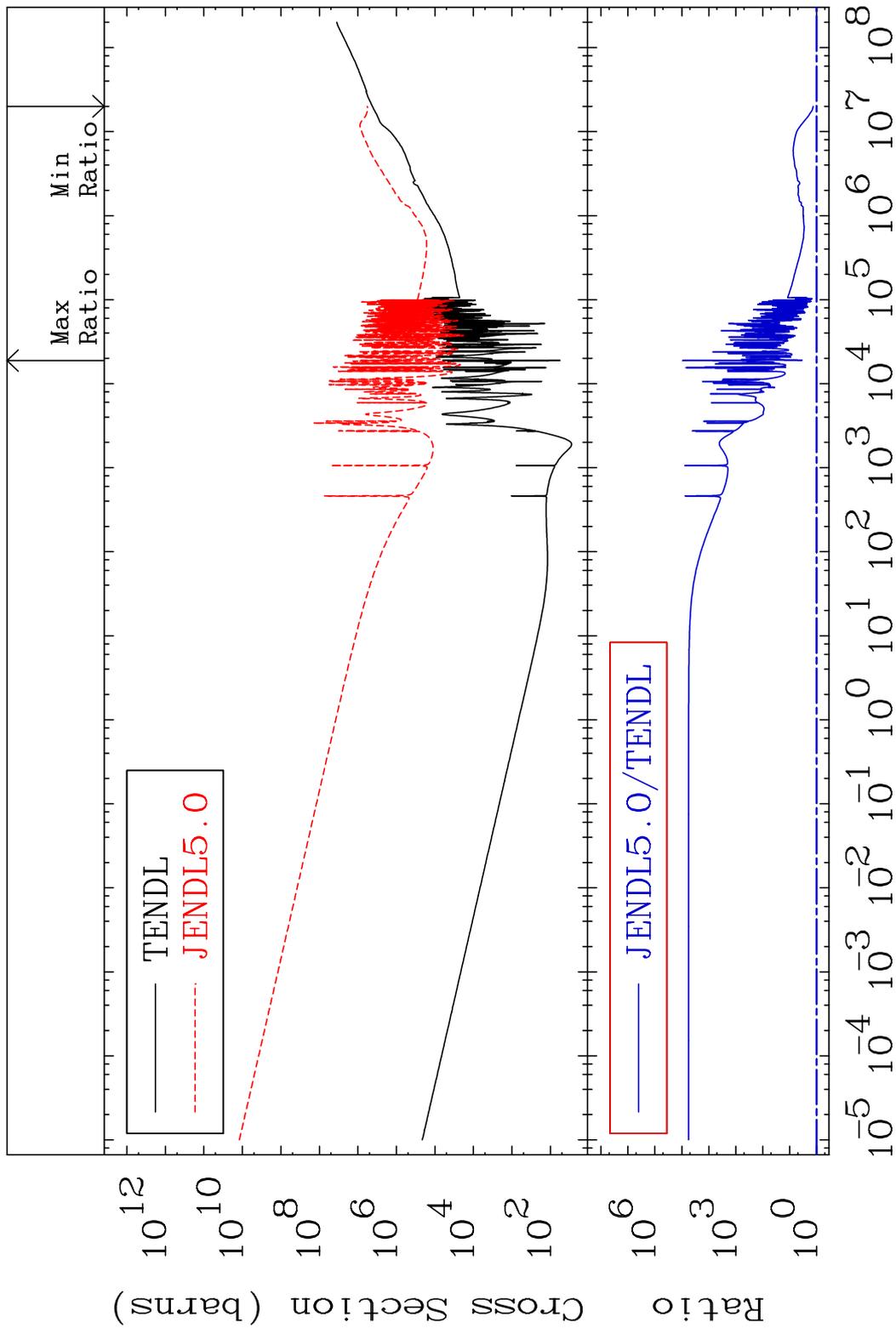


24

Incident Energy (eV)

21-Sc-45

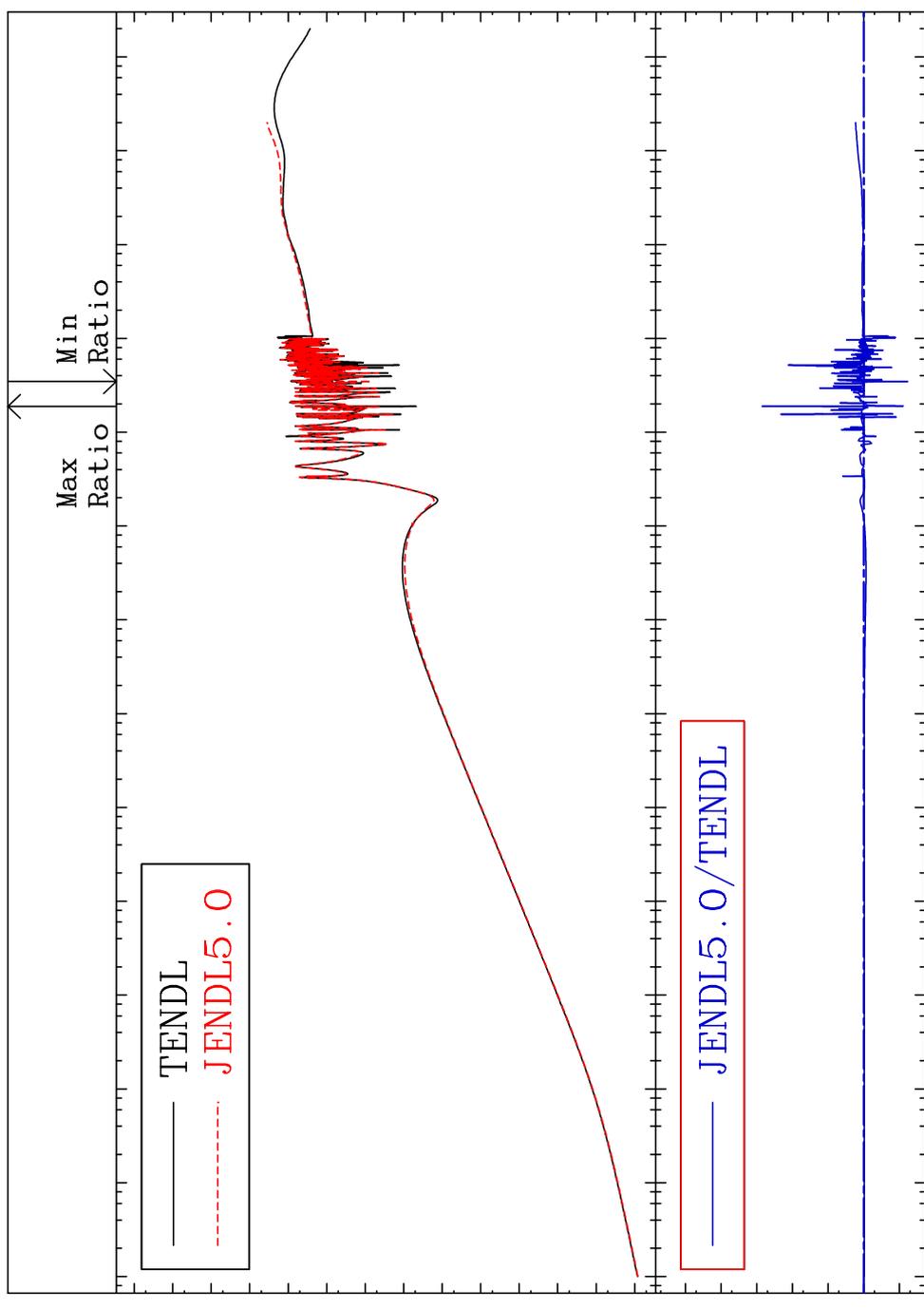
MAT 2125 Kerma total (eV-barns) 21-Sc-45
 Cross Section 35.78 To 9999. %



MAT 2125

Kerma elastic
Cross Section -94.08 To 9999. %

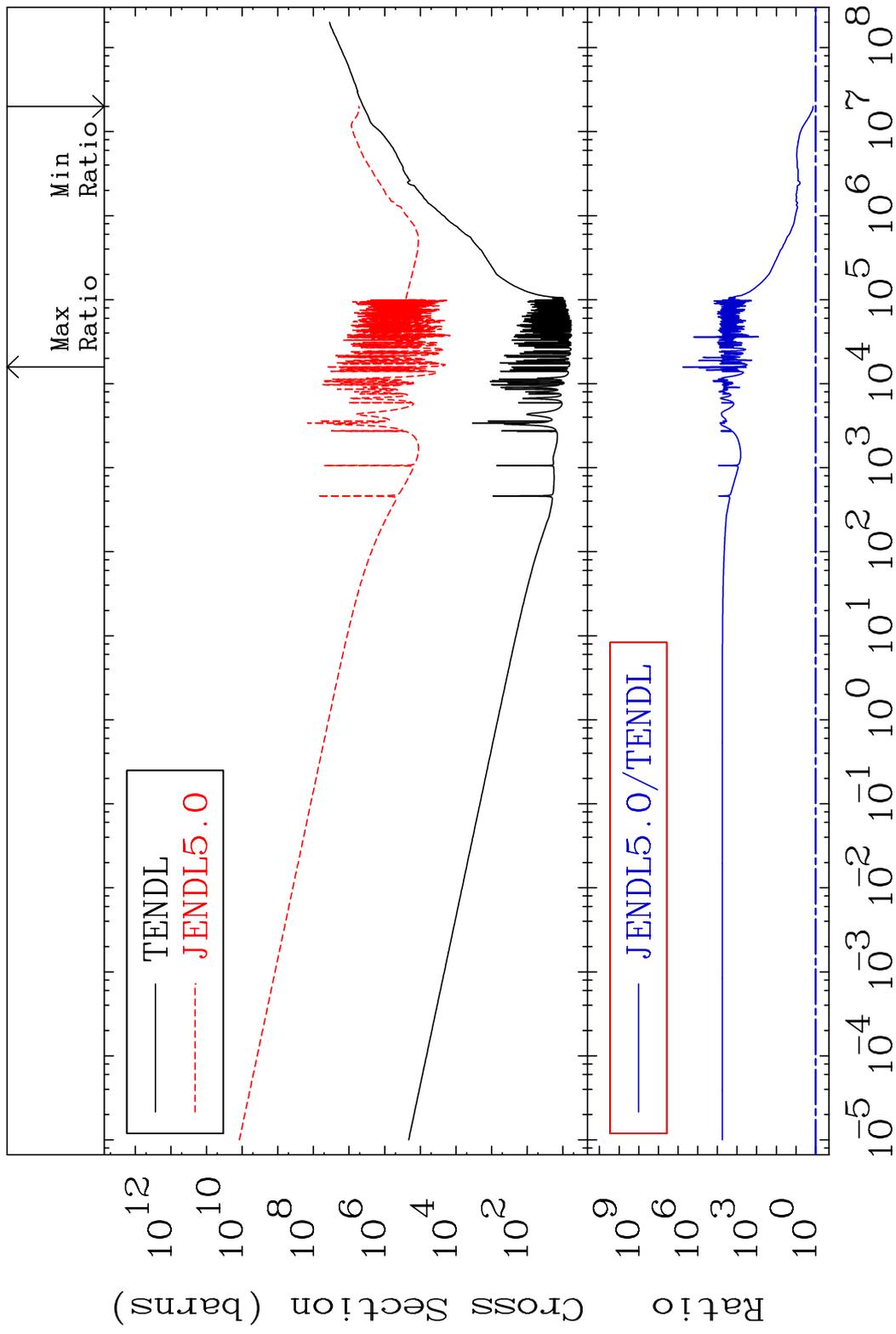
21-Sc-45



10⁸
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸
Ratio
Cross Section (barns)

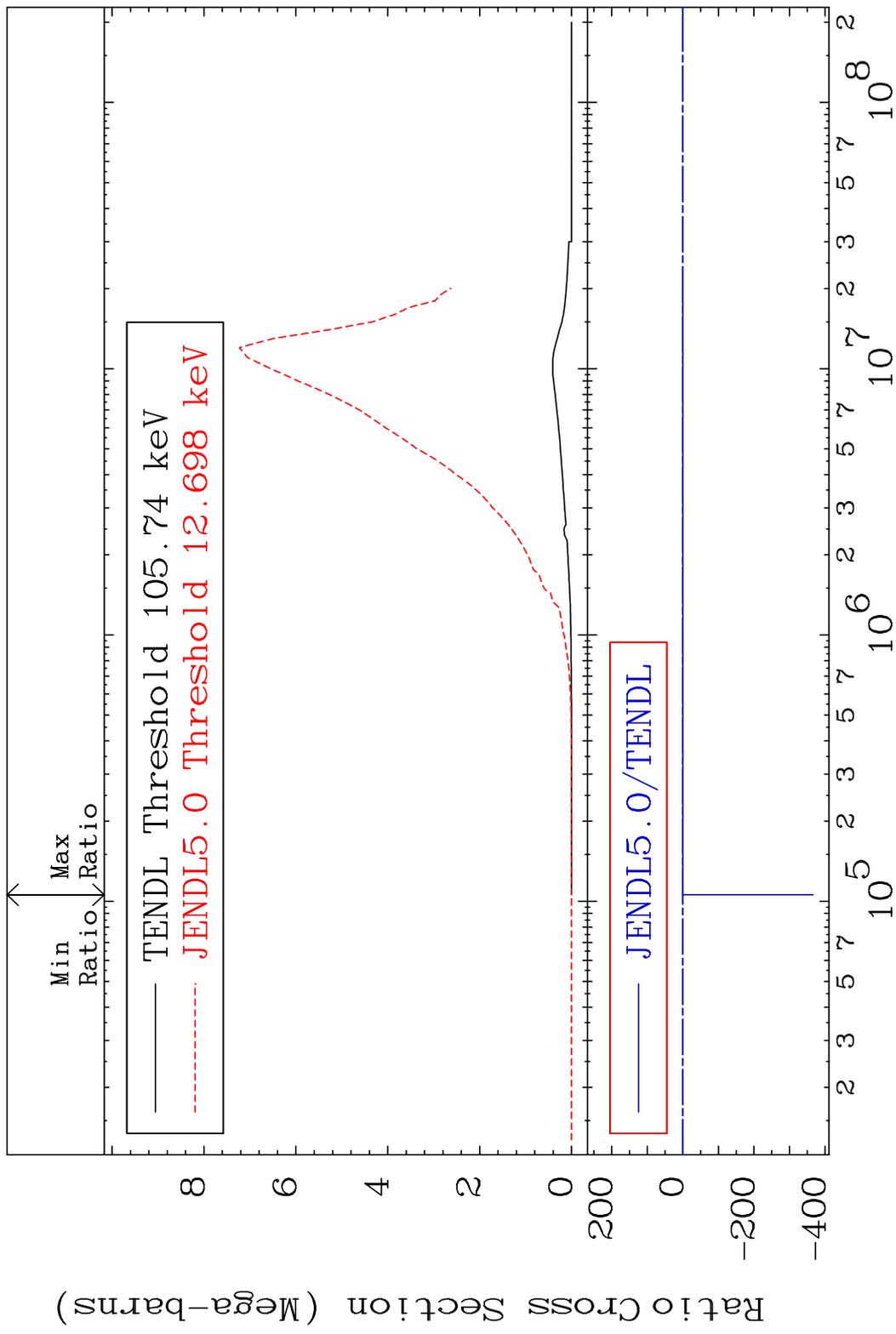
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

MAT 2125 Kerma non-elastic (all but mt2) 21-Sc-45
 Cross Section 34.08 To 9999. %

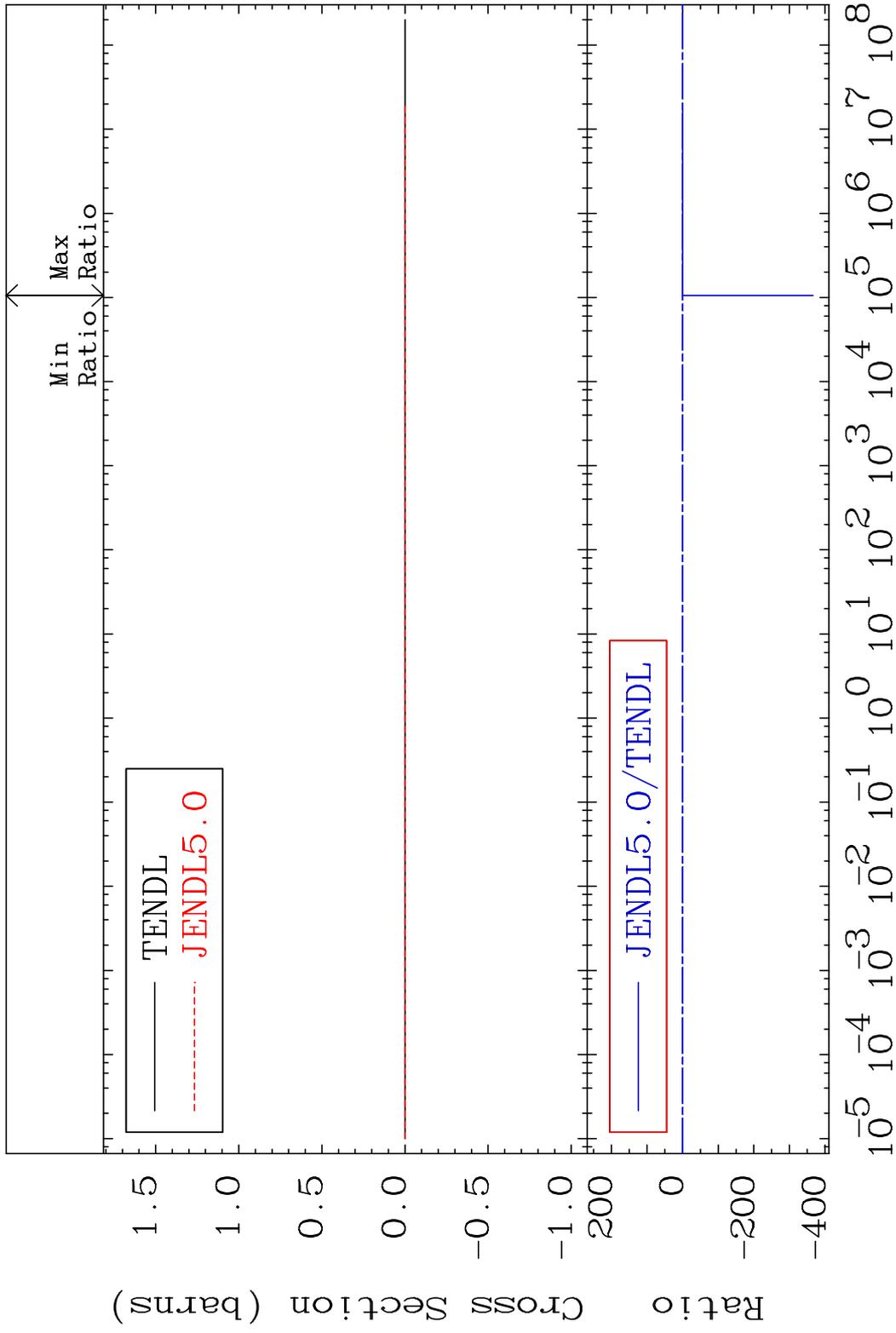


27 Incident Energy (eV) 21-Sc-45

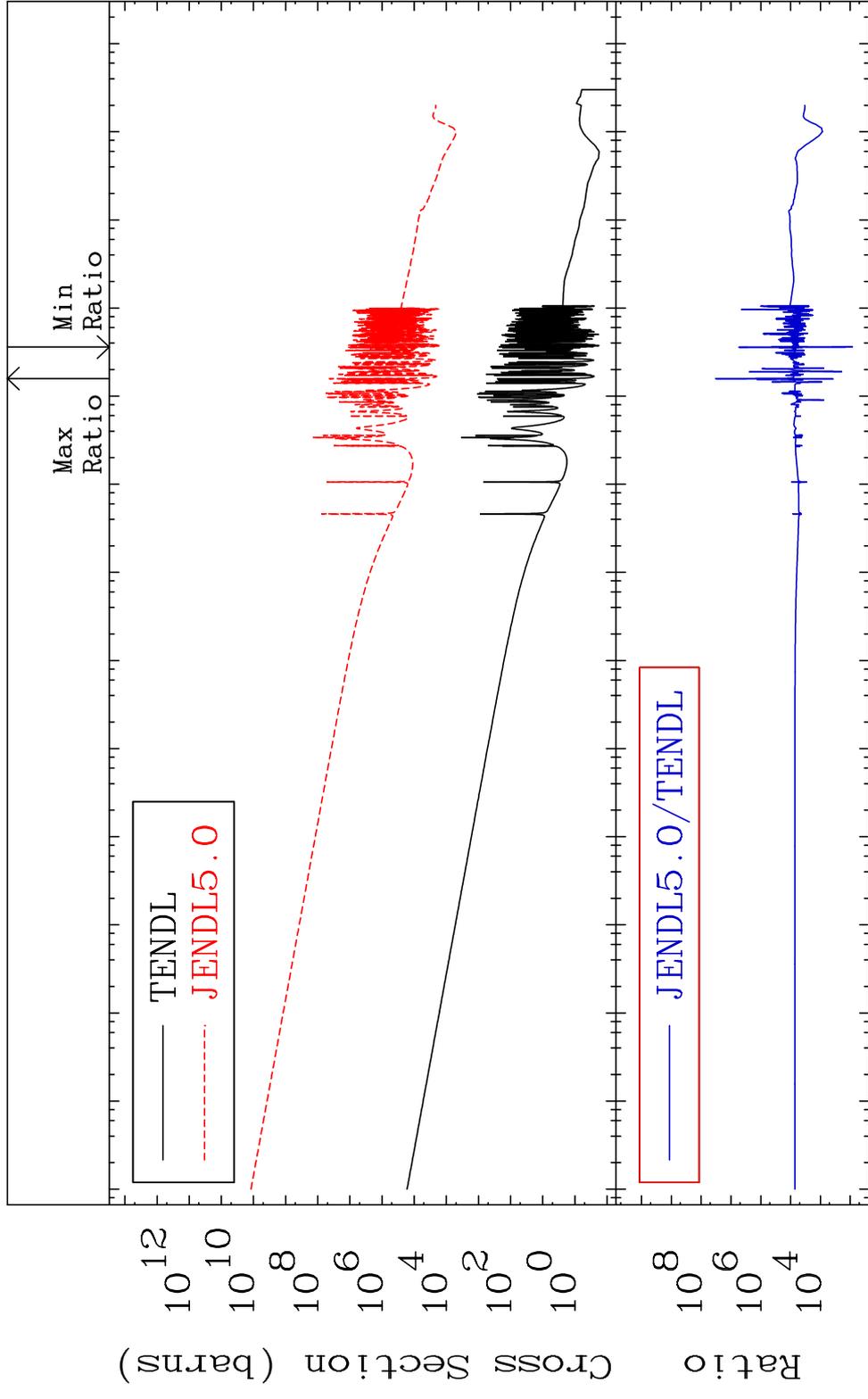
MAT 2125 Kerma inelastic (mt51-91) 21-Sc-45
 Cross Section -9999. To 9999. %



MAT 2125 Kerma fission (mt18 or mt19-20-21-38) 21-Sc-45
 Cross Section -9999. To 9999. %

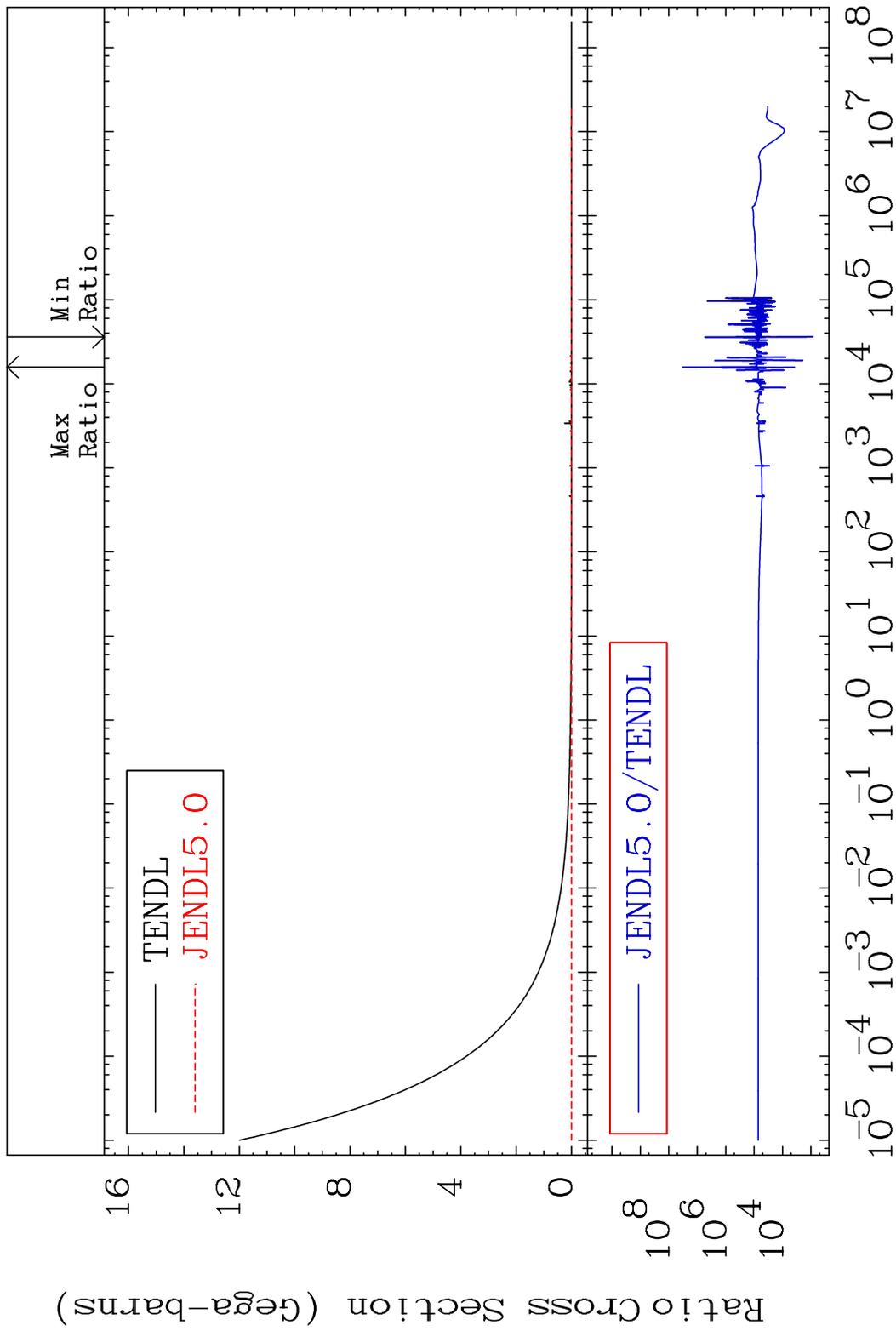


MAT 2125 Kerma capture (mt102) 21-Sc-45
 Cross Section 9999. To 9999. %



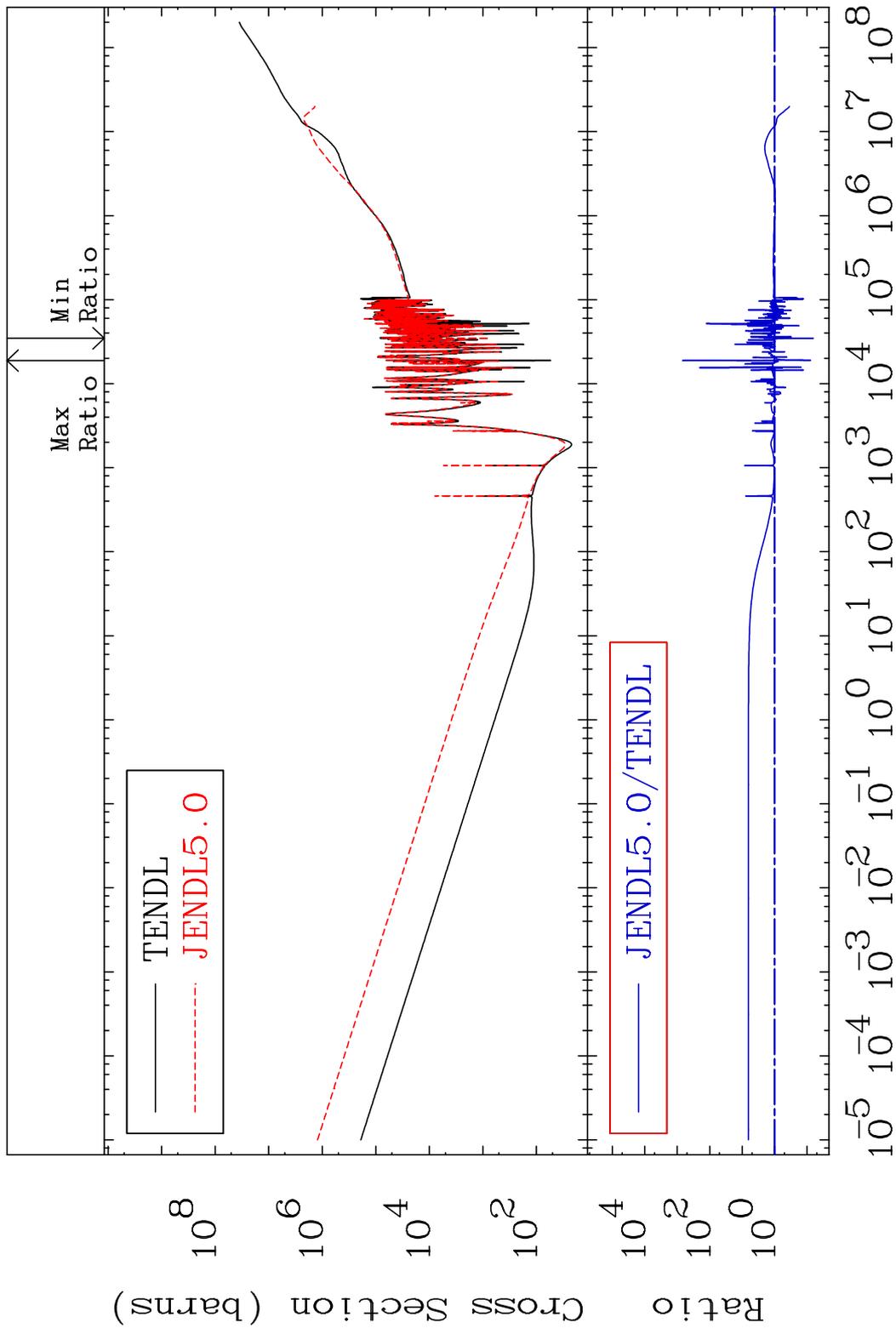
30 Incident Energy (eV) 21-Sc-45

MAT 2125 Total photon (eV-barns) 21-Sc-45
 Cross Section 9999. To 9999. %

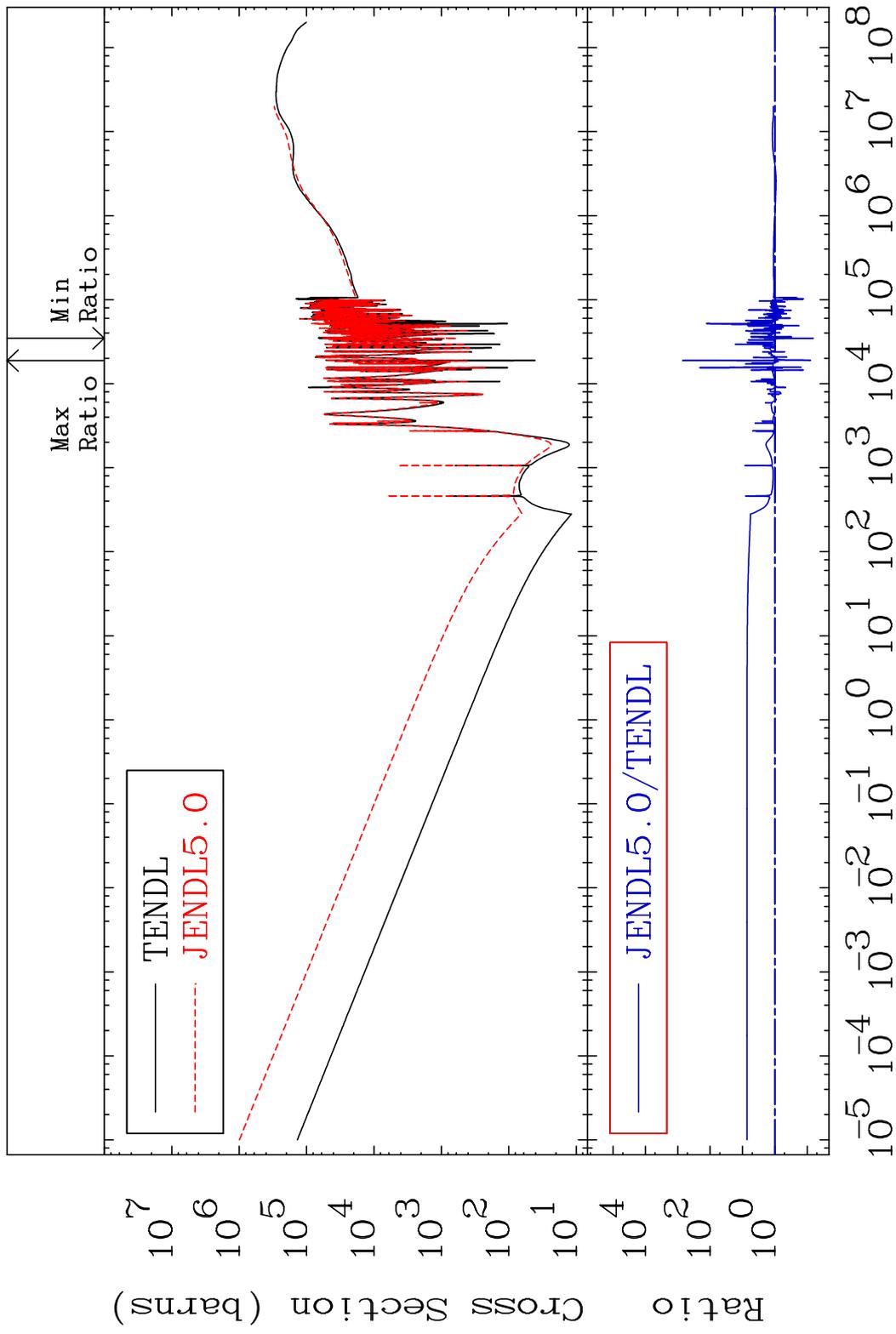


31 Incident Energy (eV) 21-Sc-45

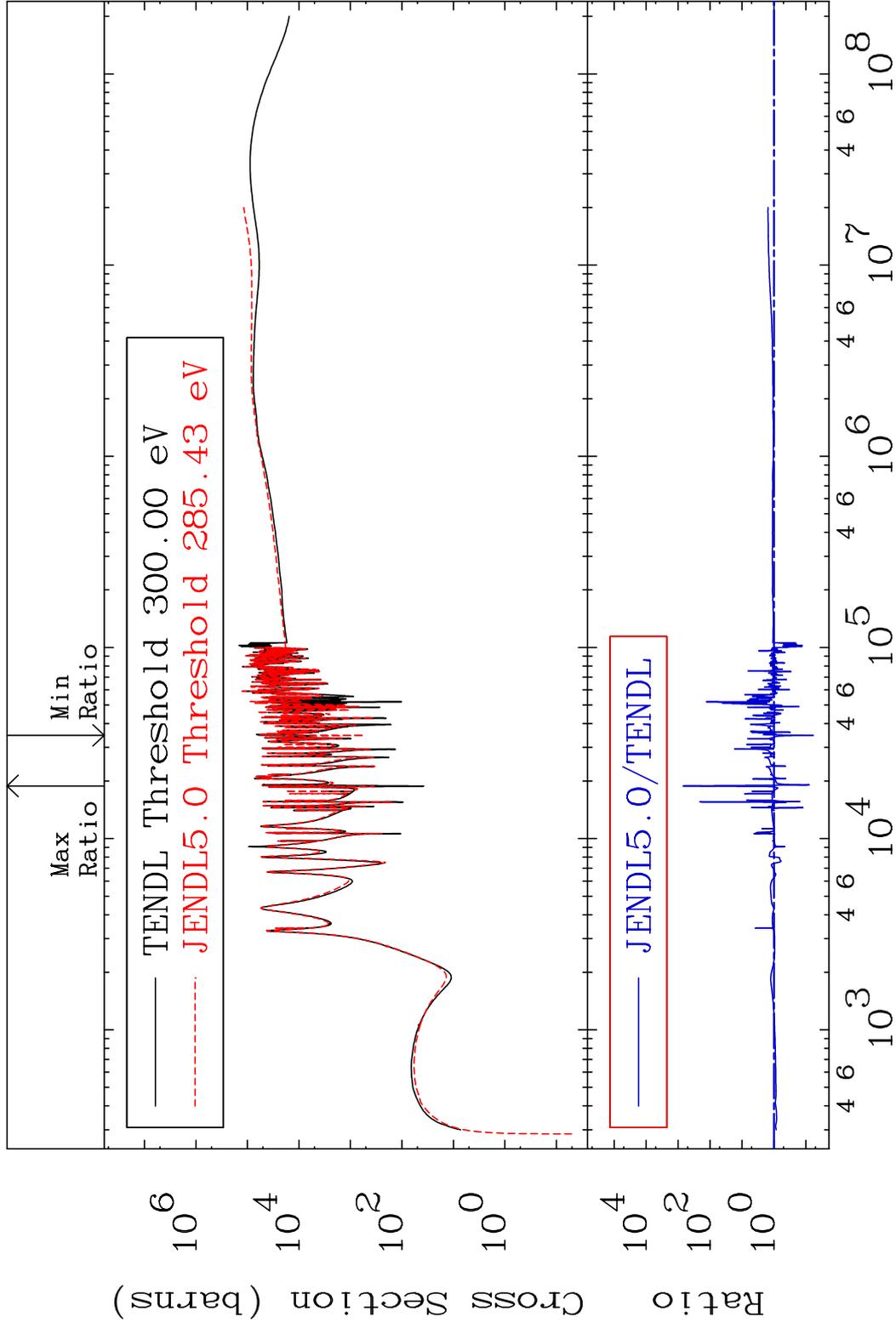
MAT 2125 Total kinematic kerma (high limit) 21-Sc-45
 Cross Section -93.48 To 9999. %



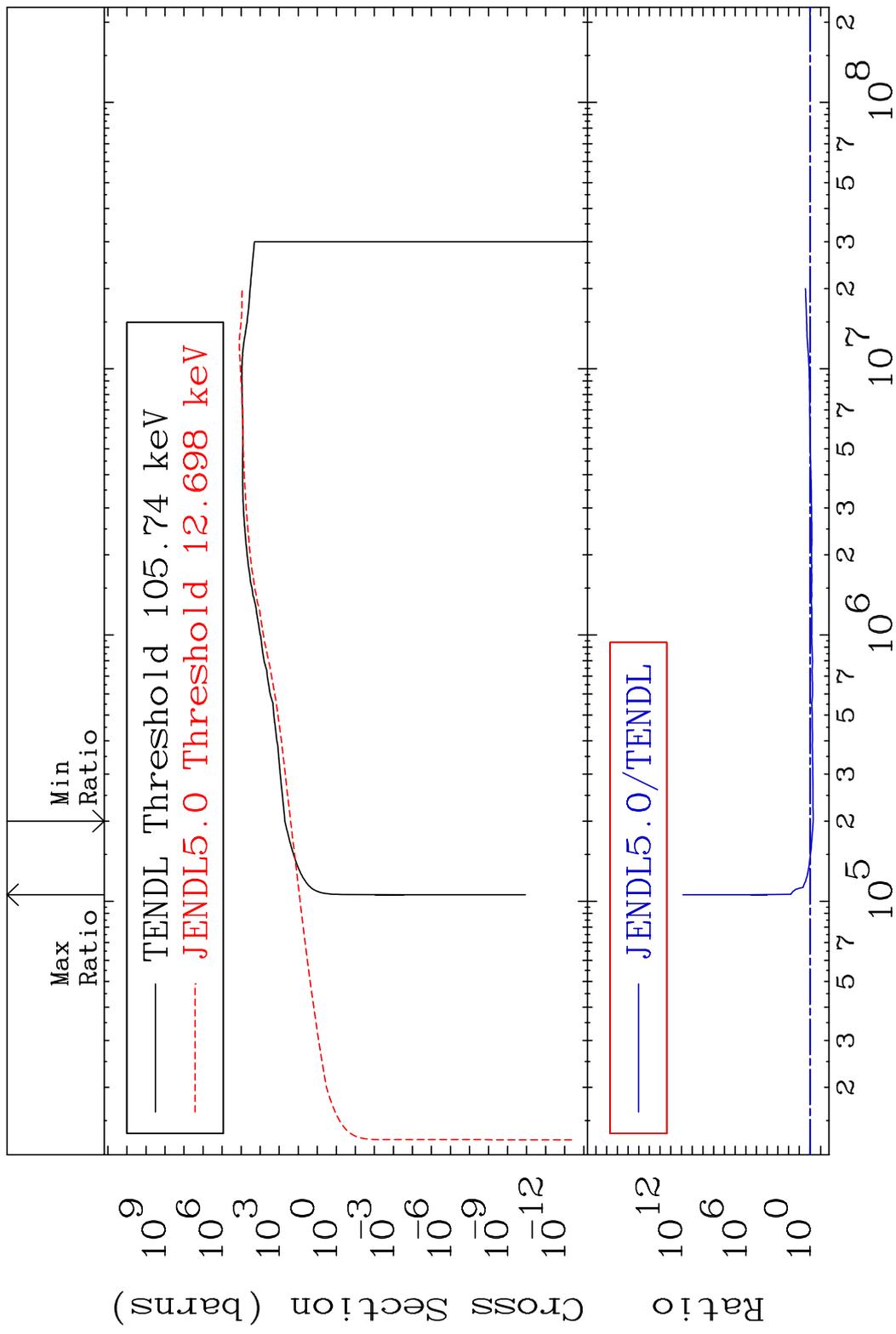
MAT 2125 Dpa total (eV-barns) 21-Sc-45
 Cross Section -93.47 To 9999. %



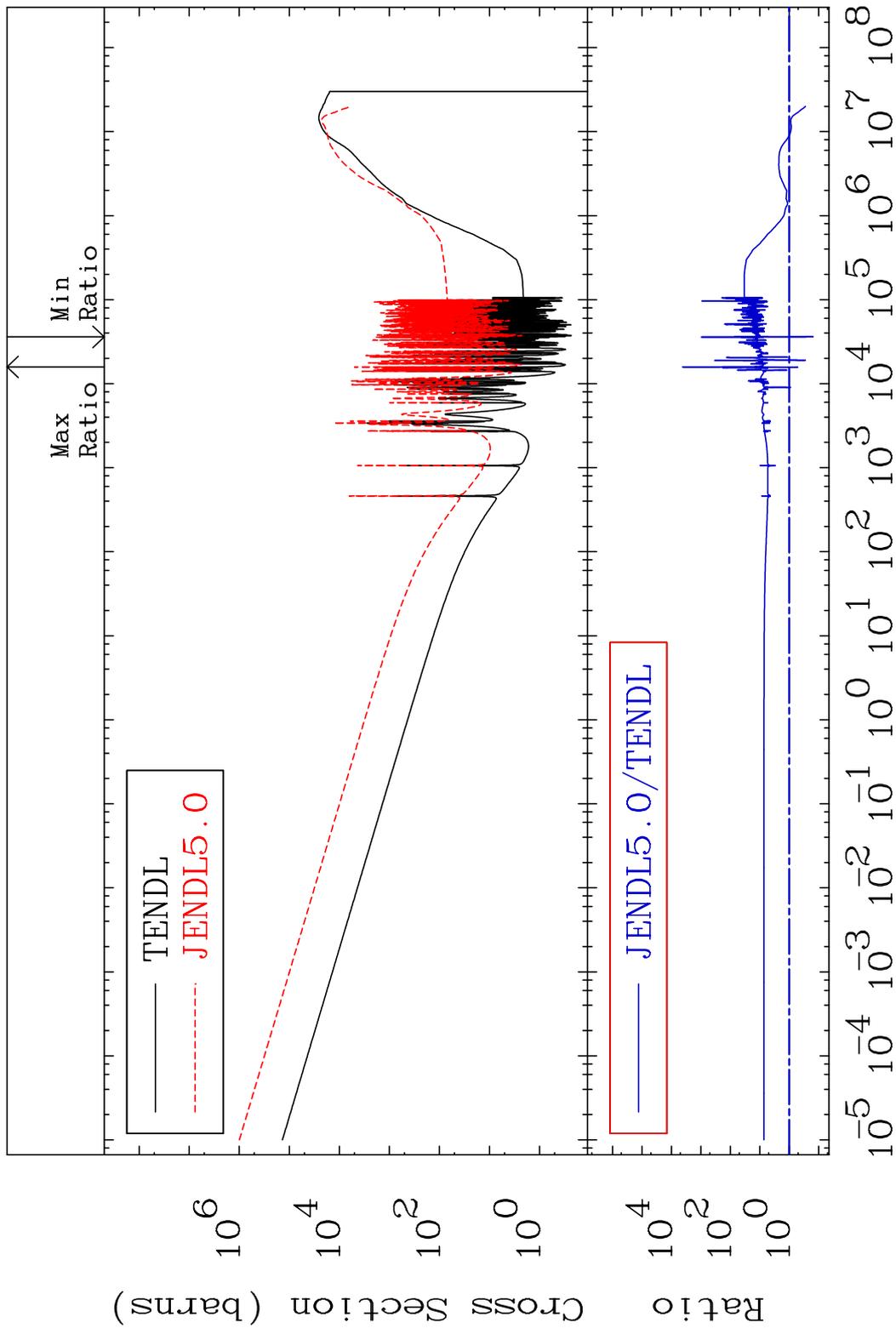
MAT 2125 Dpa elastic (mt2) 21-Sc-45
 Cross Section -94.08 To 9999. %



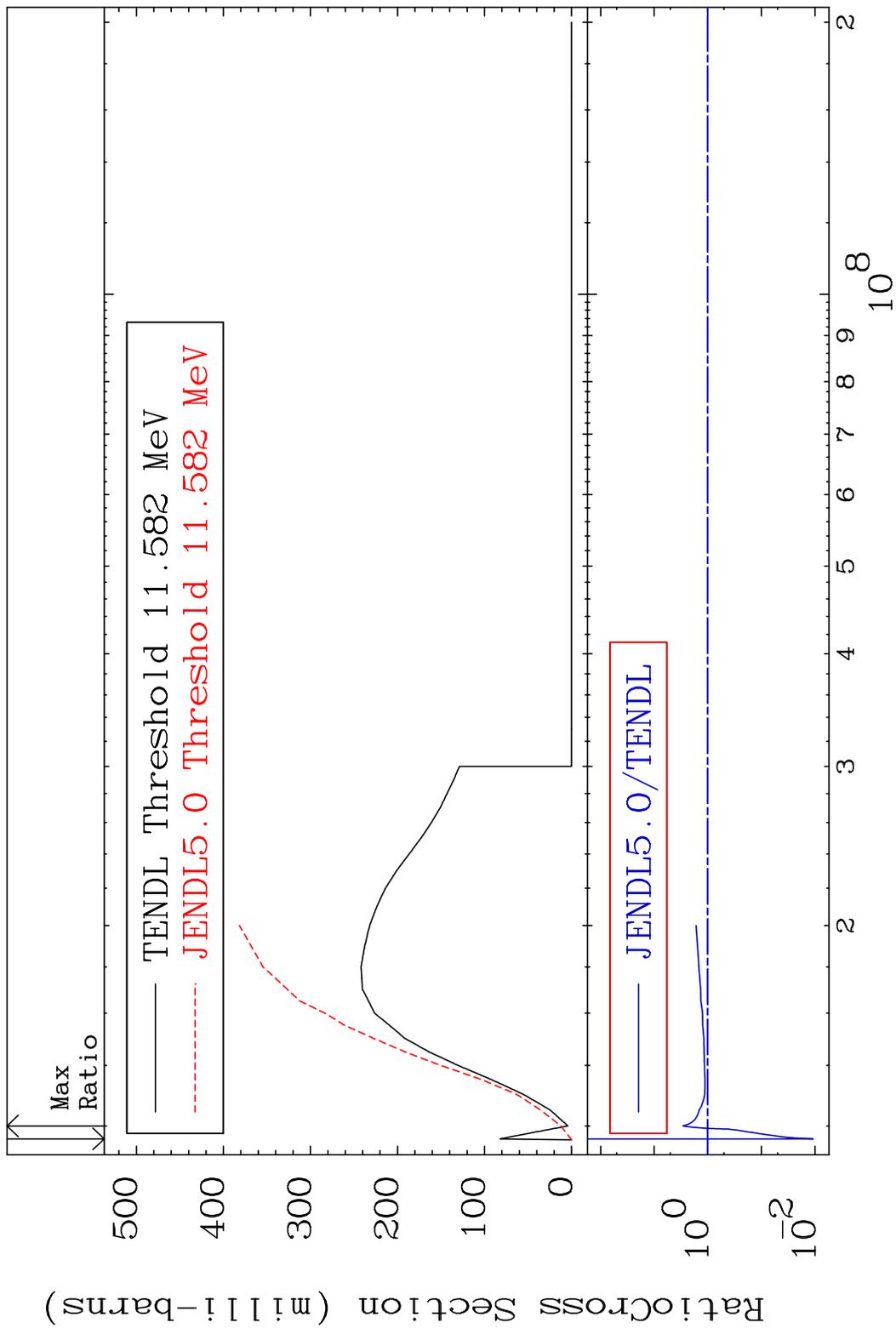
MAT 2125 Dpa inelastic (mt51-91) 21-Sc-45
 Cross Section -49.43 To 9999. %

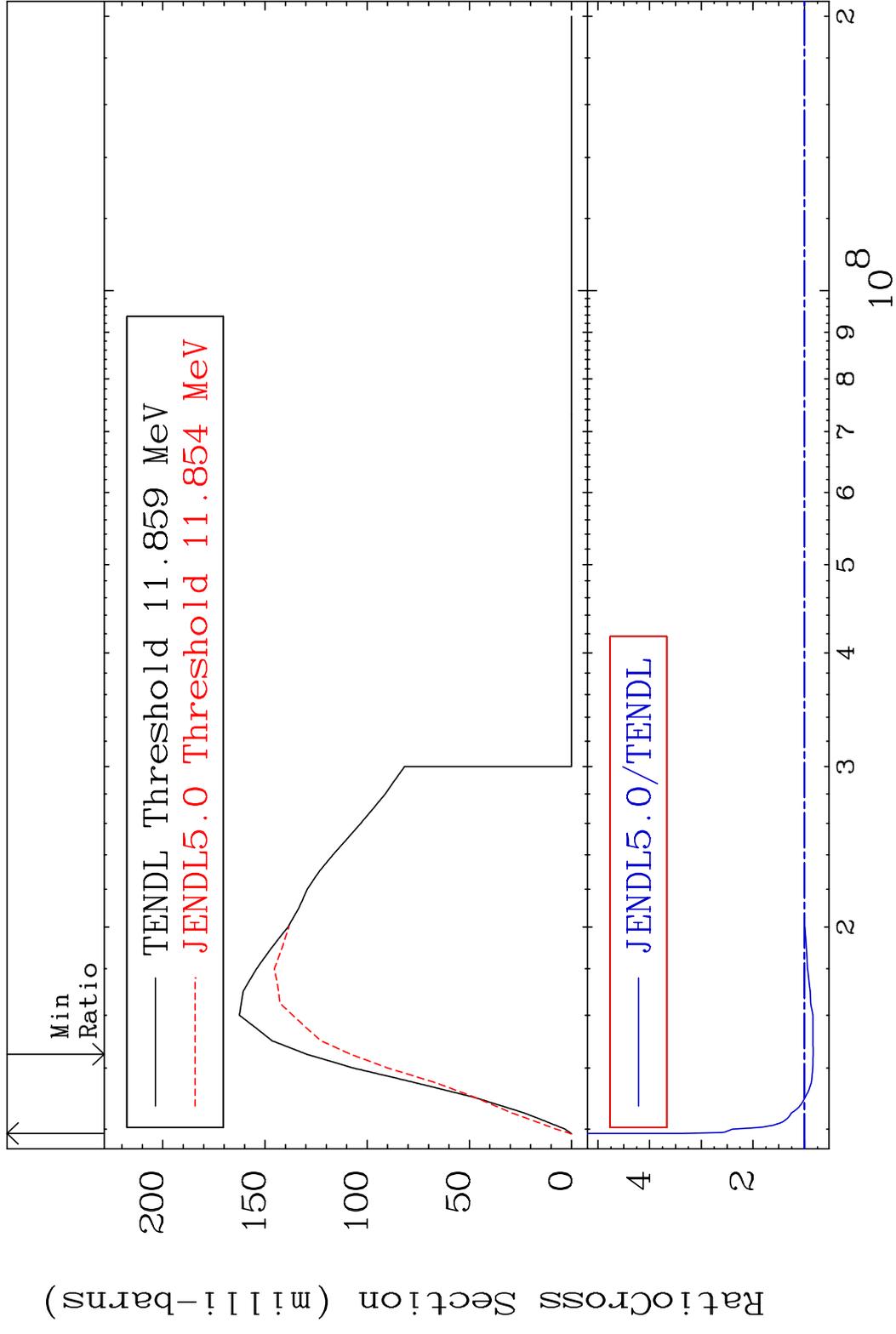


MAT 2125 Dpa disappearance (mt102 -120) 21-Sc-45
 Cross Section -84.50 To 9999. %

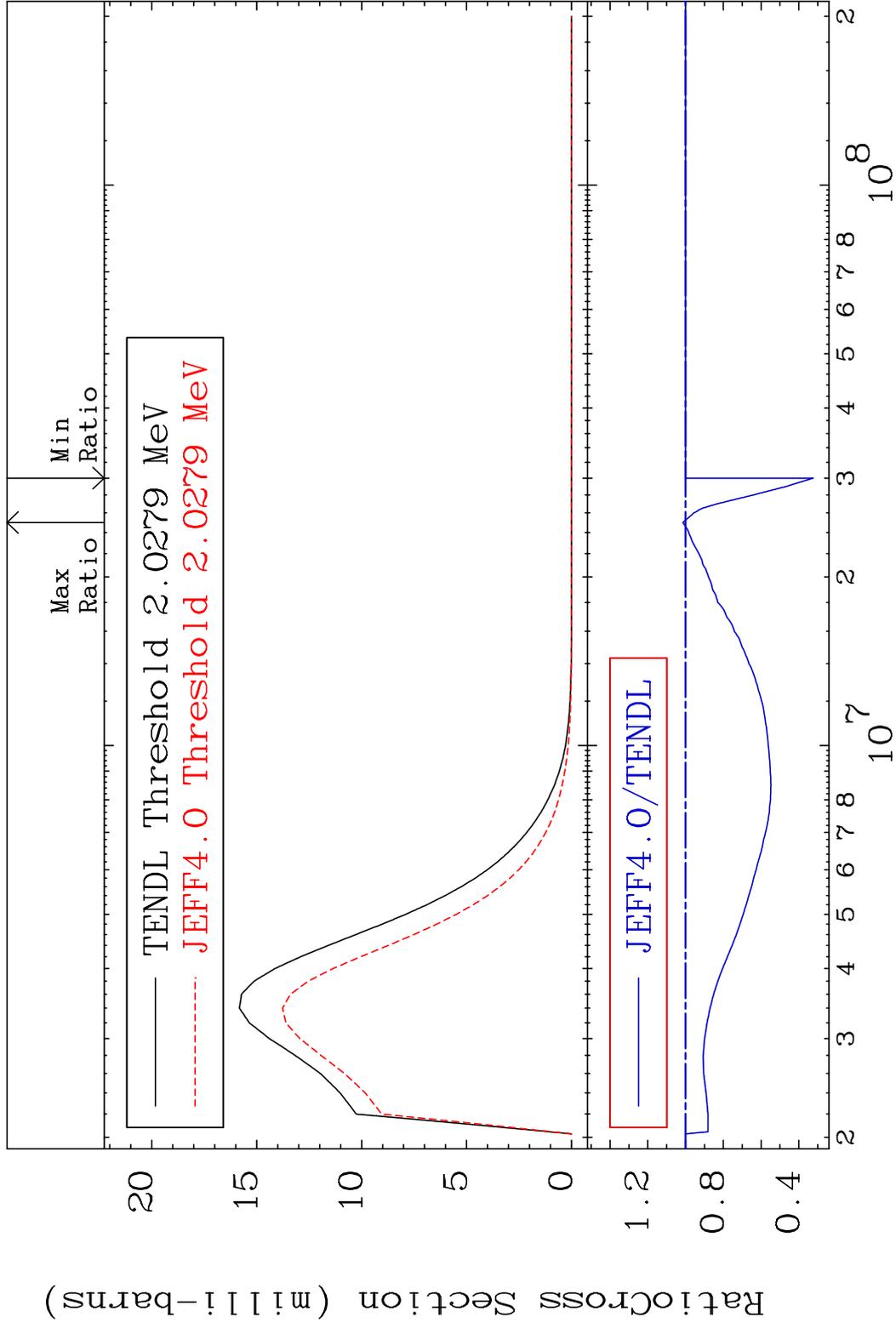


MAT 2125 (n,2n):21-Sc-44g 21-Sc-45
 Radionuclide Production Cross Section 98.921 dth 192.0 %

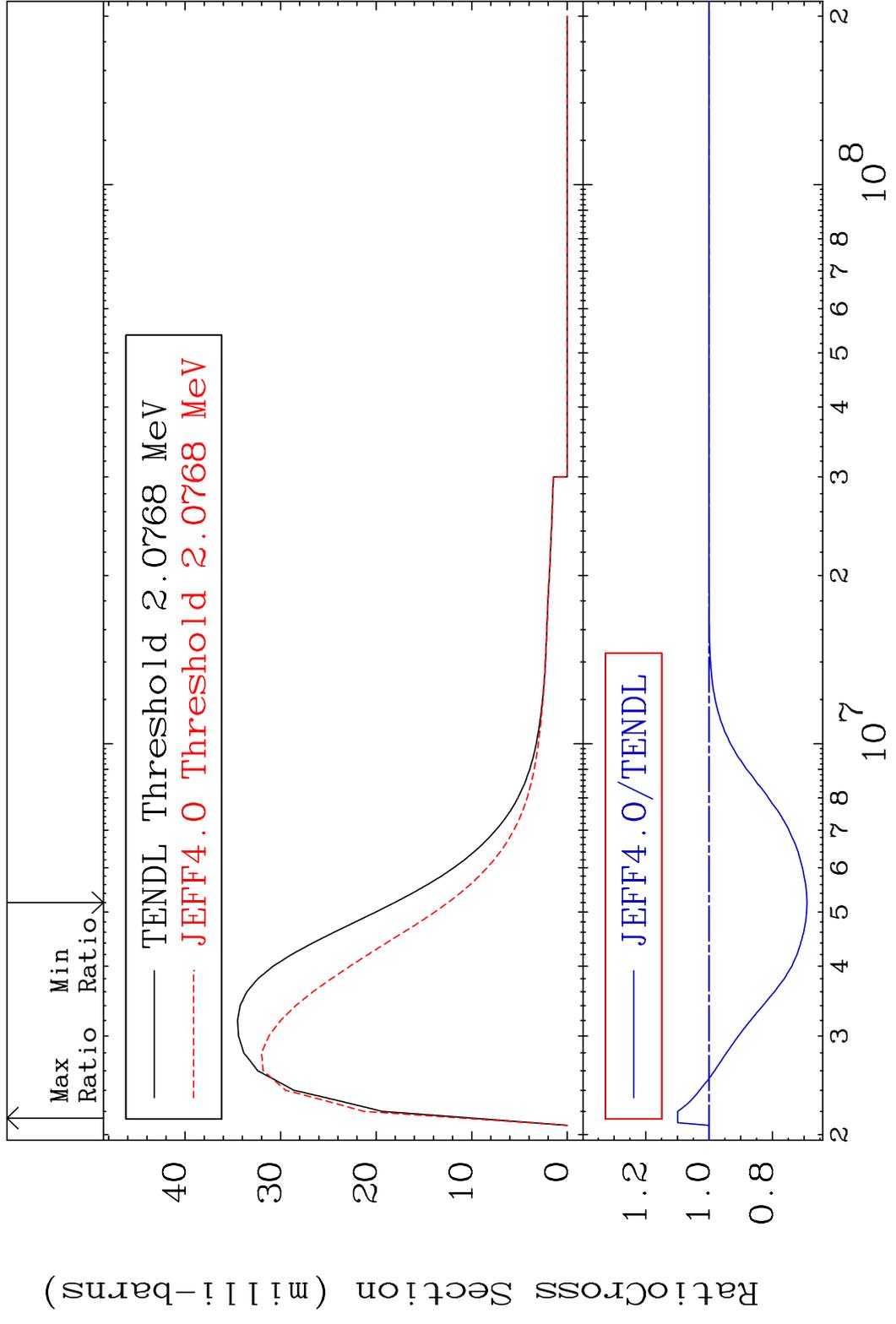




MAT 2125 MT= 71 (n, n') Level 21-Sc-45
 Cross Section -67.57 To 1.456 %



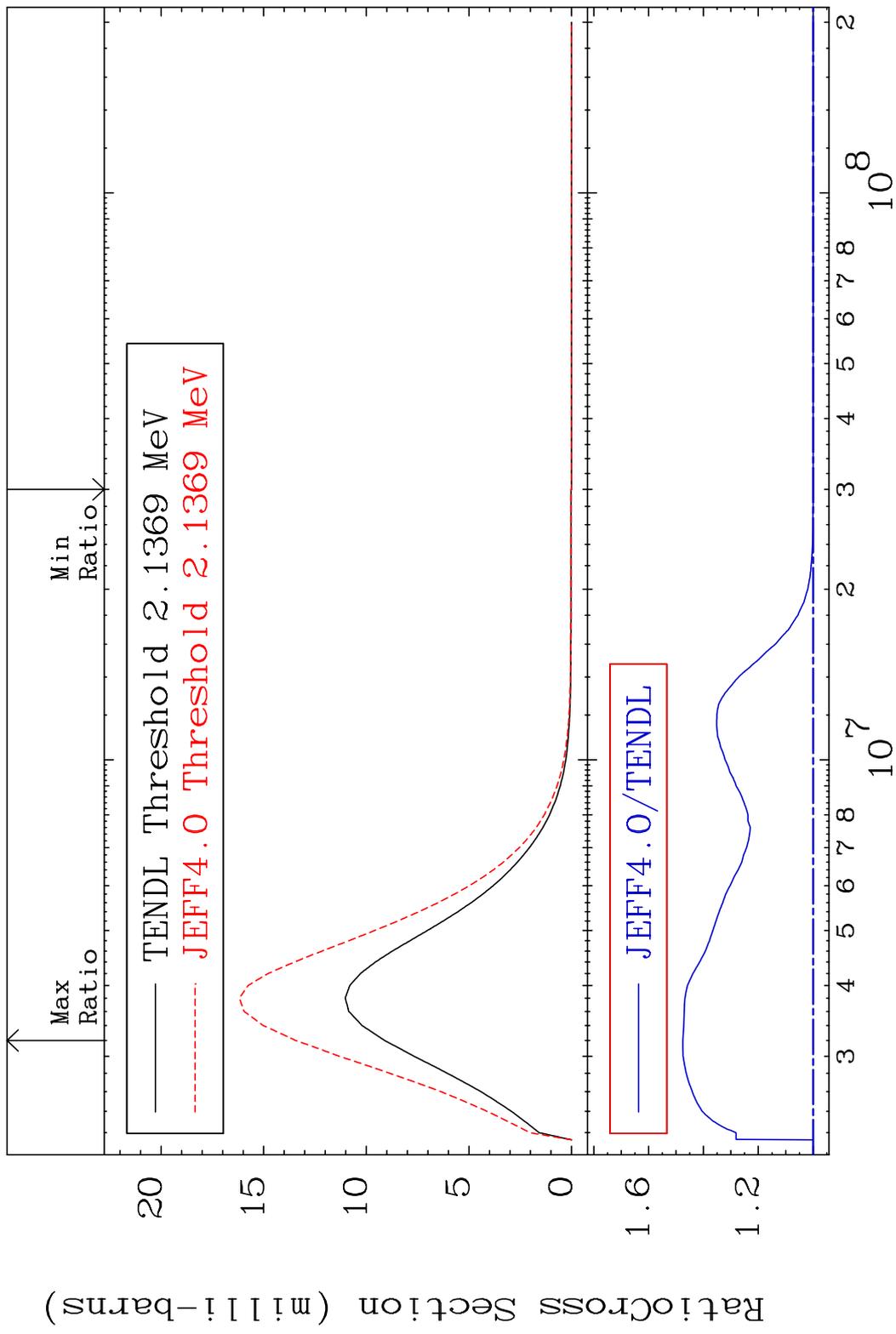
MAT 2125 MT= 72 (n, n') Level 21-Sc-45
 Cross Section -30.92 To 9.913 %



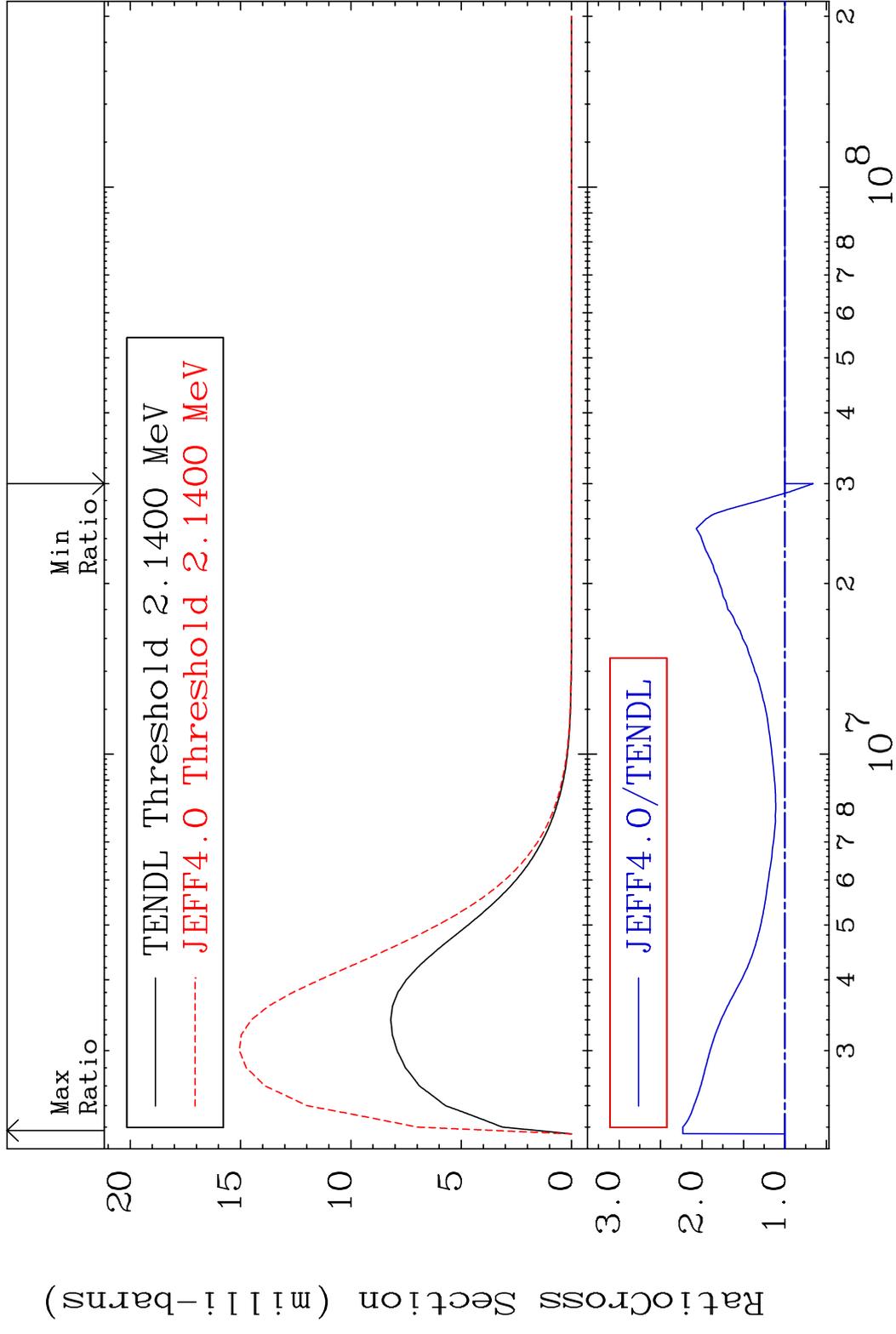
40

Incident Energy (eV) 21-Sc-45

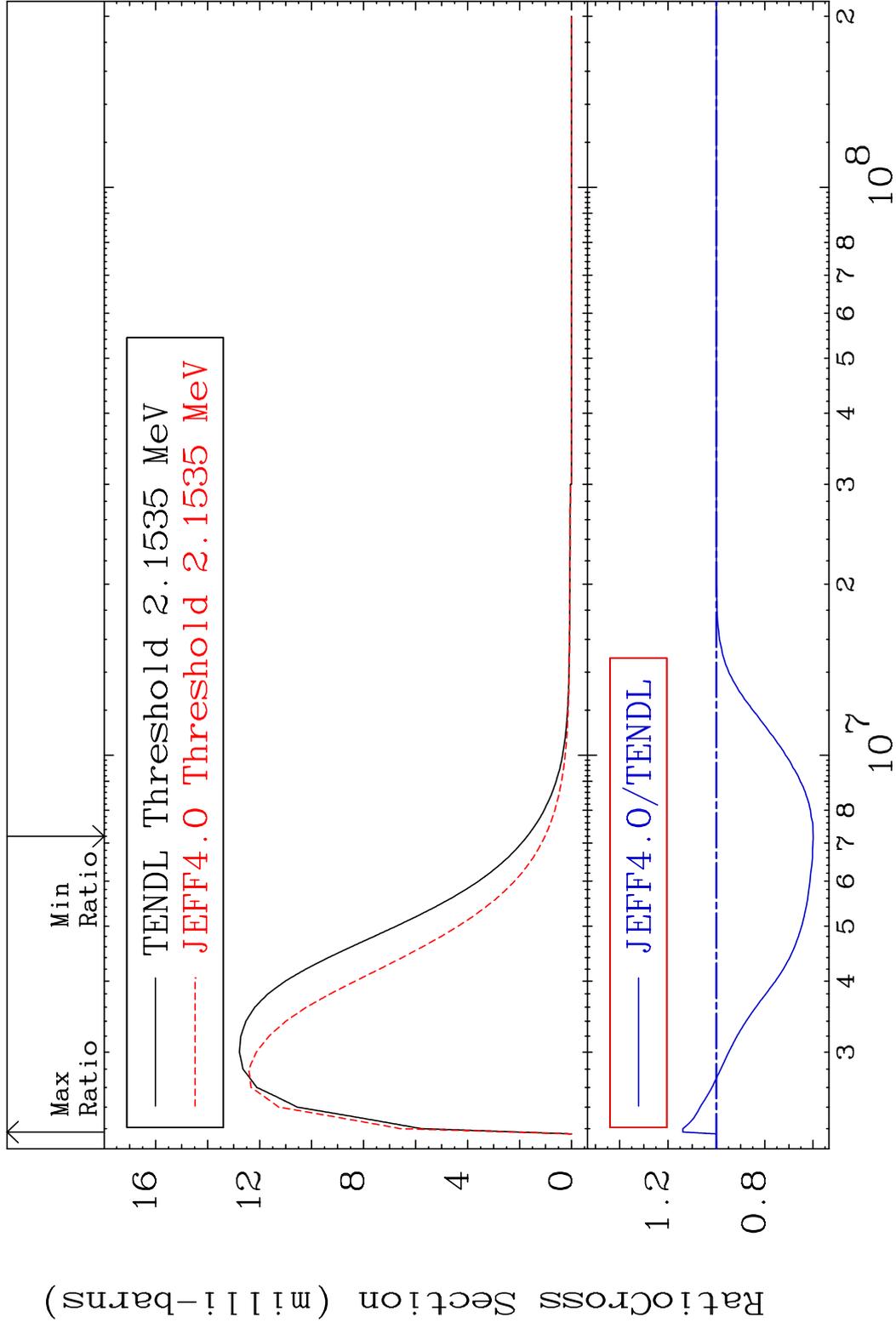
MAT 2125 MT= 73 (n, n') Level 21-Sc-45
 Cross Section -0.001 To 47.52 %



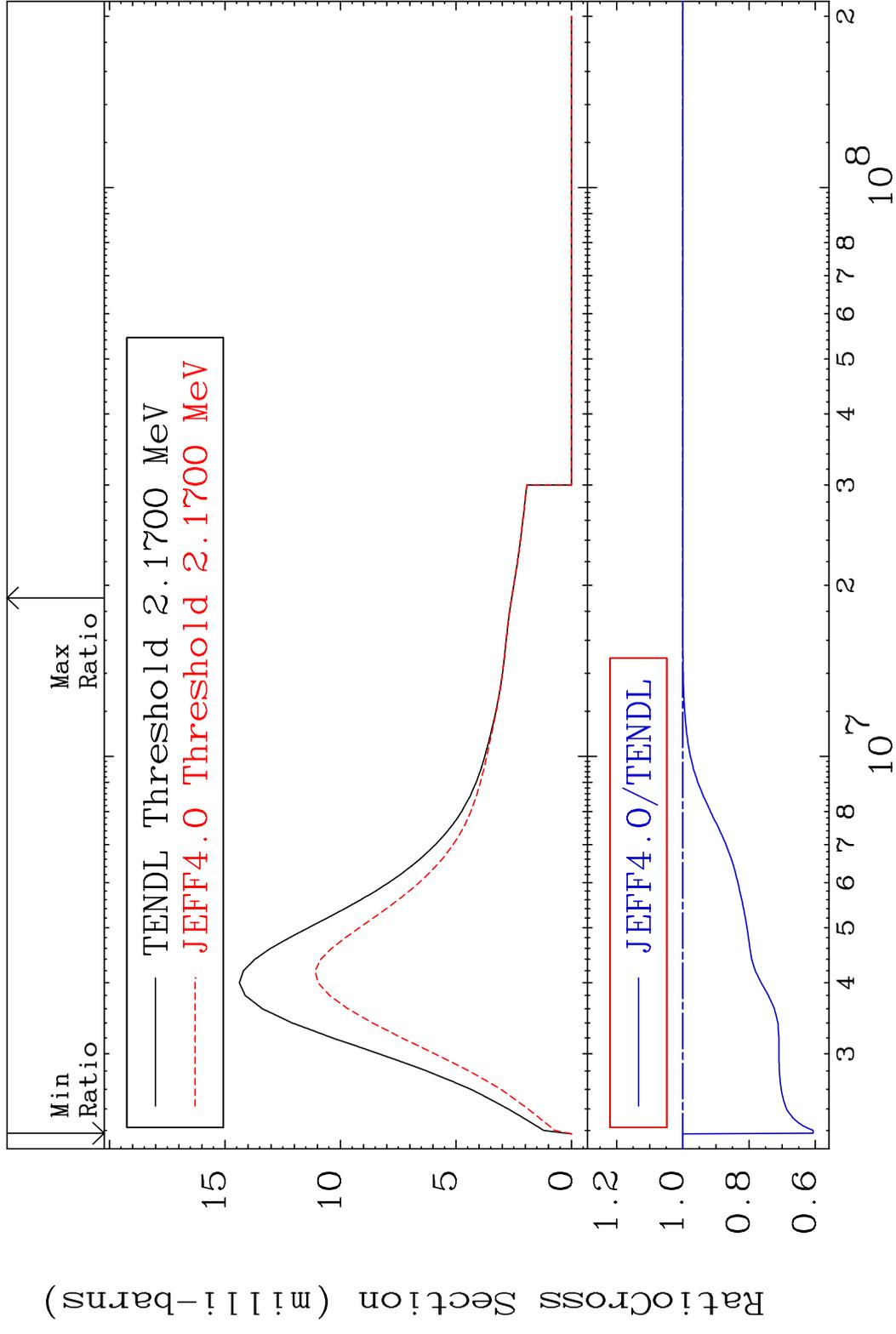
MAT 2125 MT= 74 (n, n') Level 21-Sc-45
 Cross Section -33.99 To 123.2 %



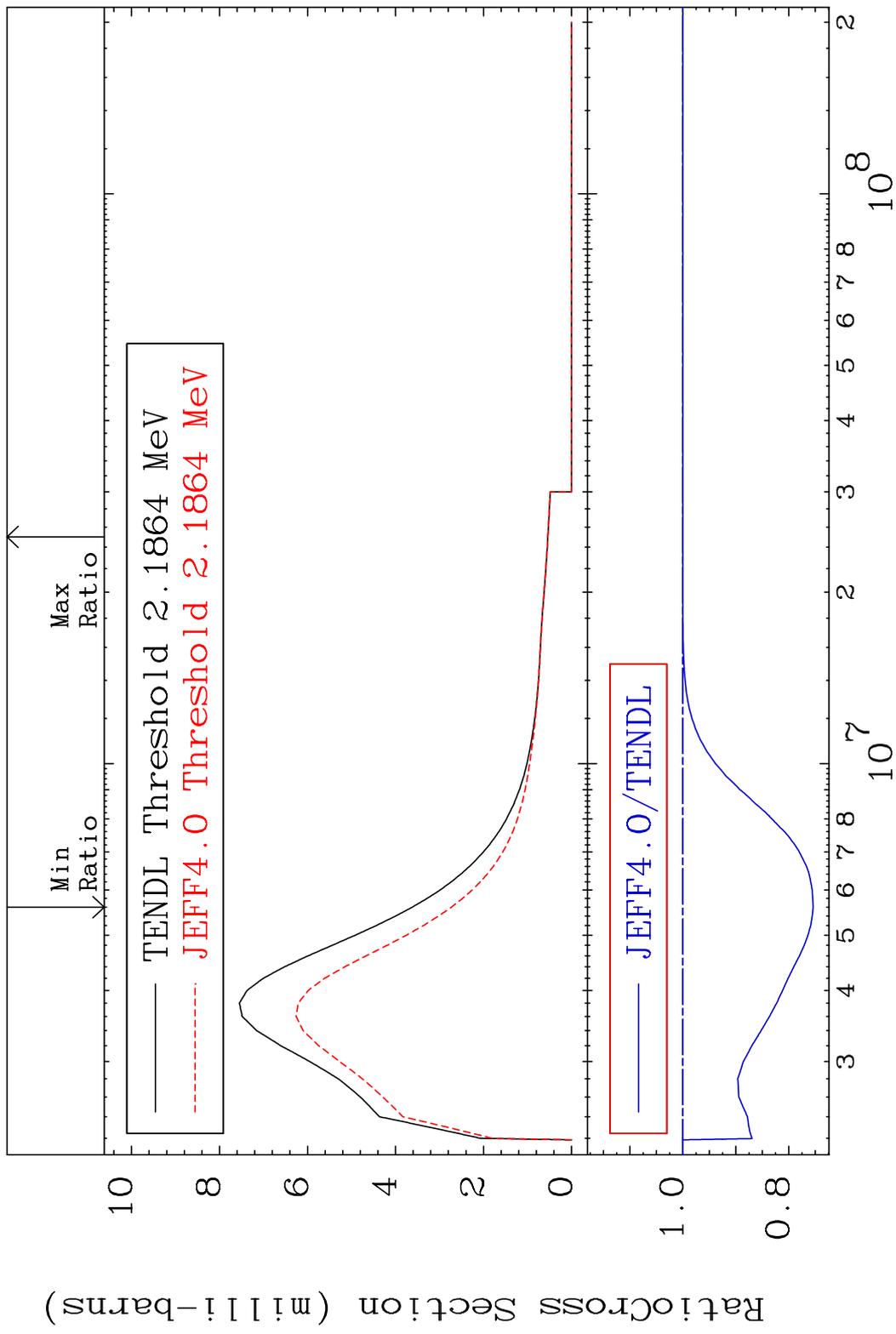
MAT 2125 MT= 75 (n, n') Level 21-Sc-45
 Cross Section -40.03 To 13.89 %



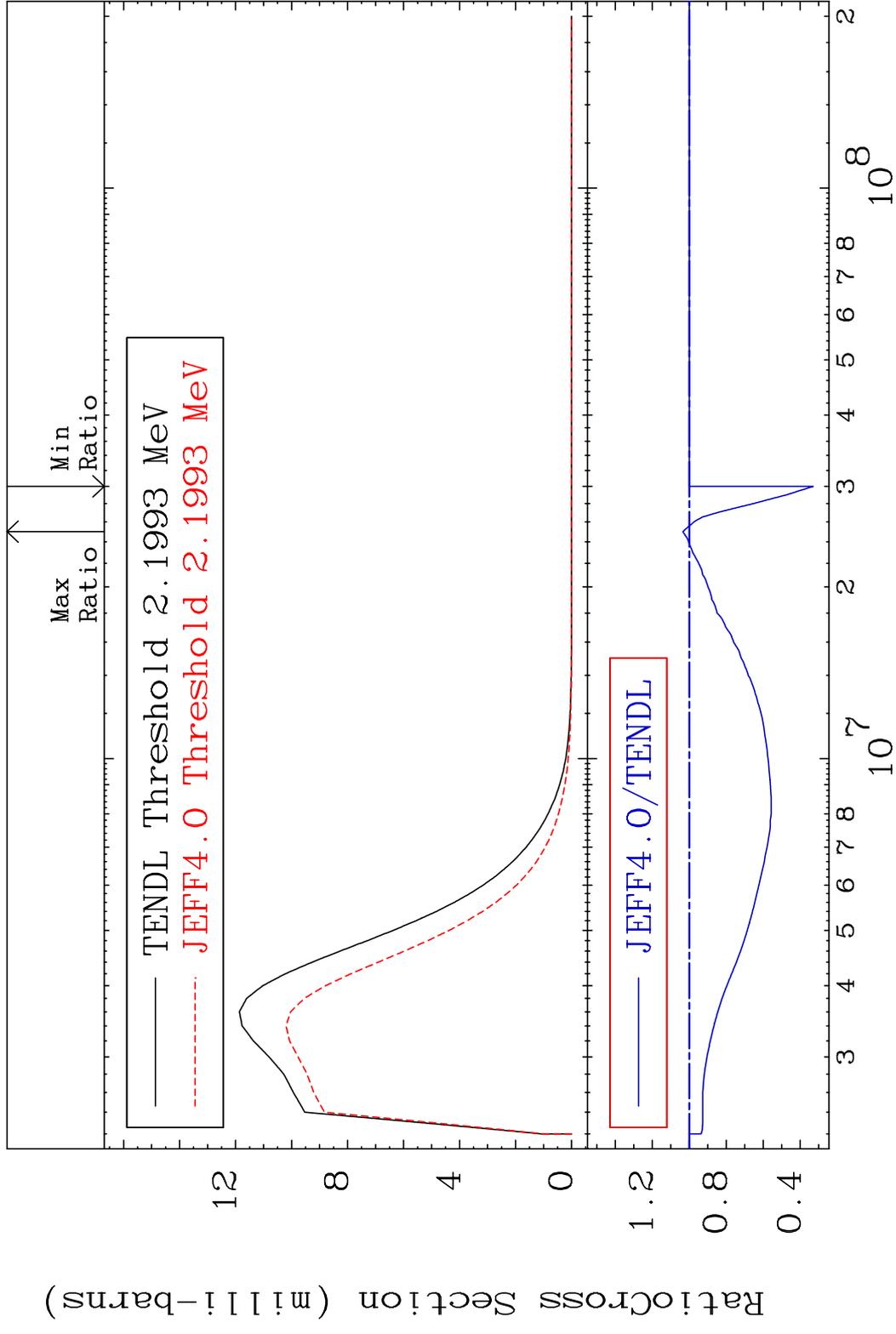
MAT 2125 MT= 76 (n, n') Level 21-Sc-45
 Cross Section -39.36 To 0.001 %



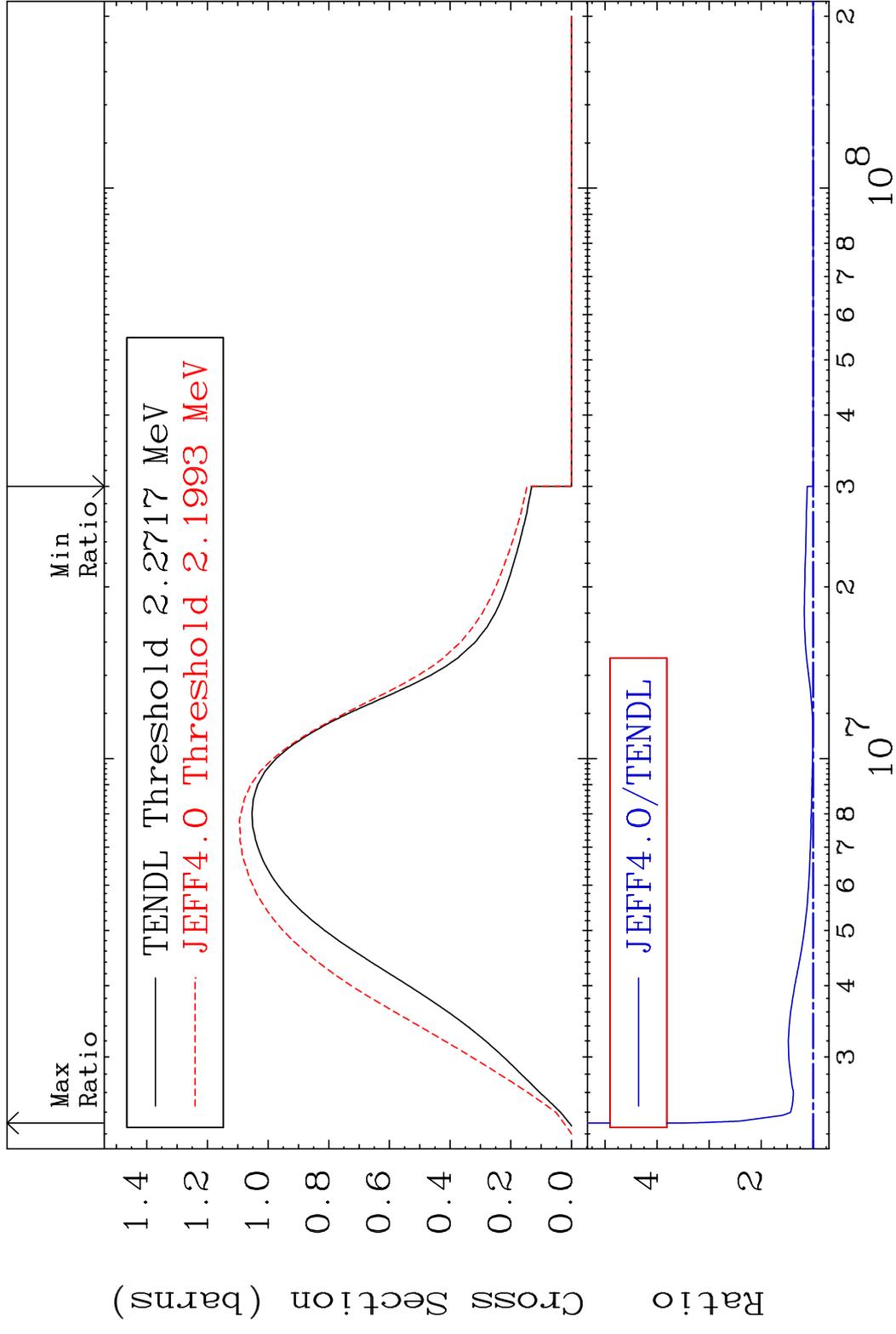
MAT 2125 MT= 77 (n, n') Level 21-Sc-45
 Cross Section -24.61 To 0.000 %



MAT 2125 MT= 78 (n, n') Level 21-Sc-45
 Cross Section -67.00 To 3.464 %



MAT 2125 (n, n') Continuum 21-Sc-45
 Cross Section 0.000 To 250.5 %

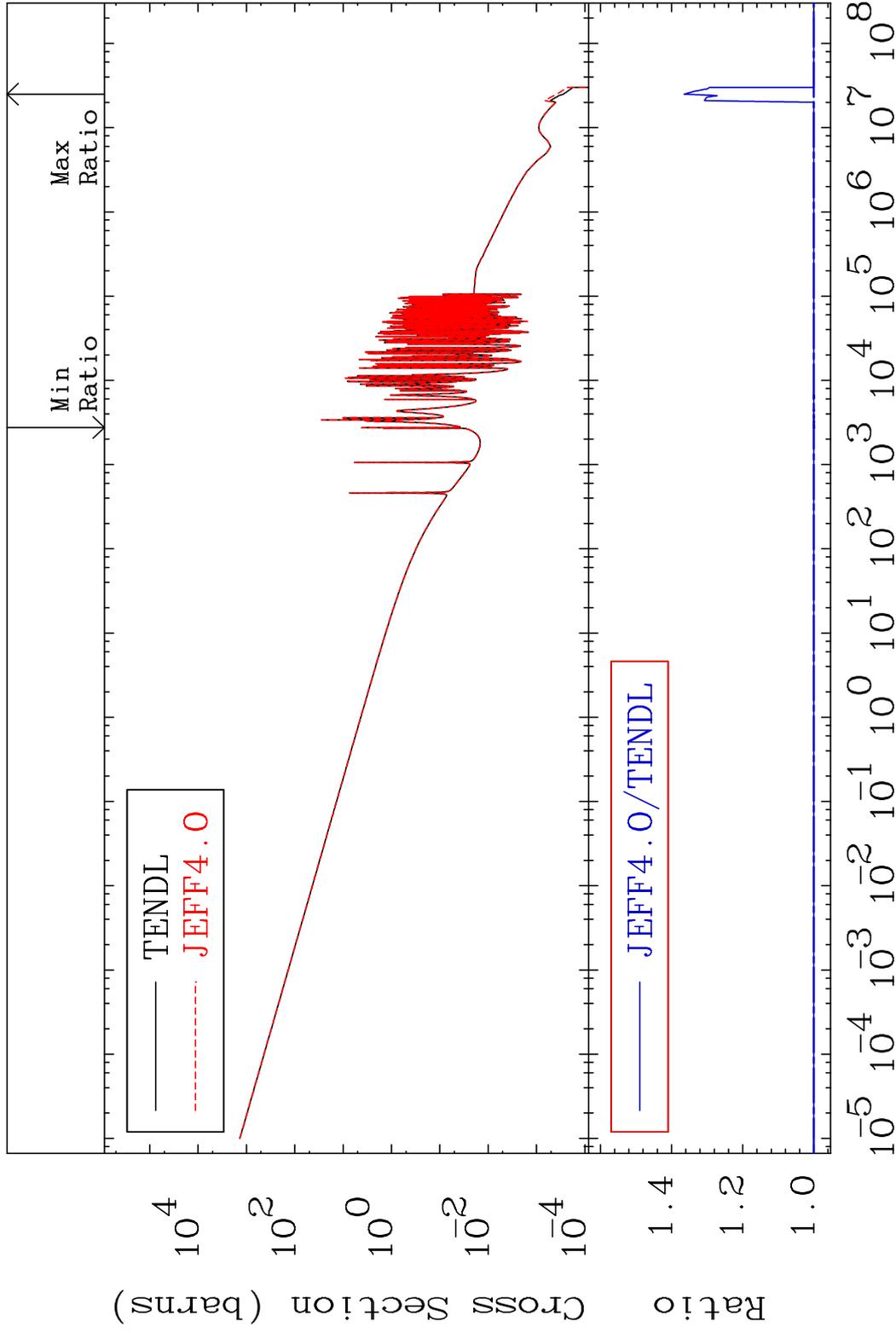


MAT 2125

(n, γ)

21-Sc-45

Cross Section -0.2227 To 36.47 %



48

Incident Energy (eV)

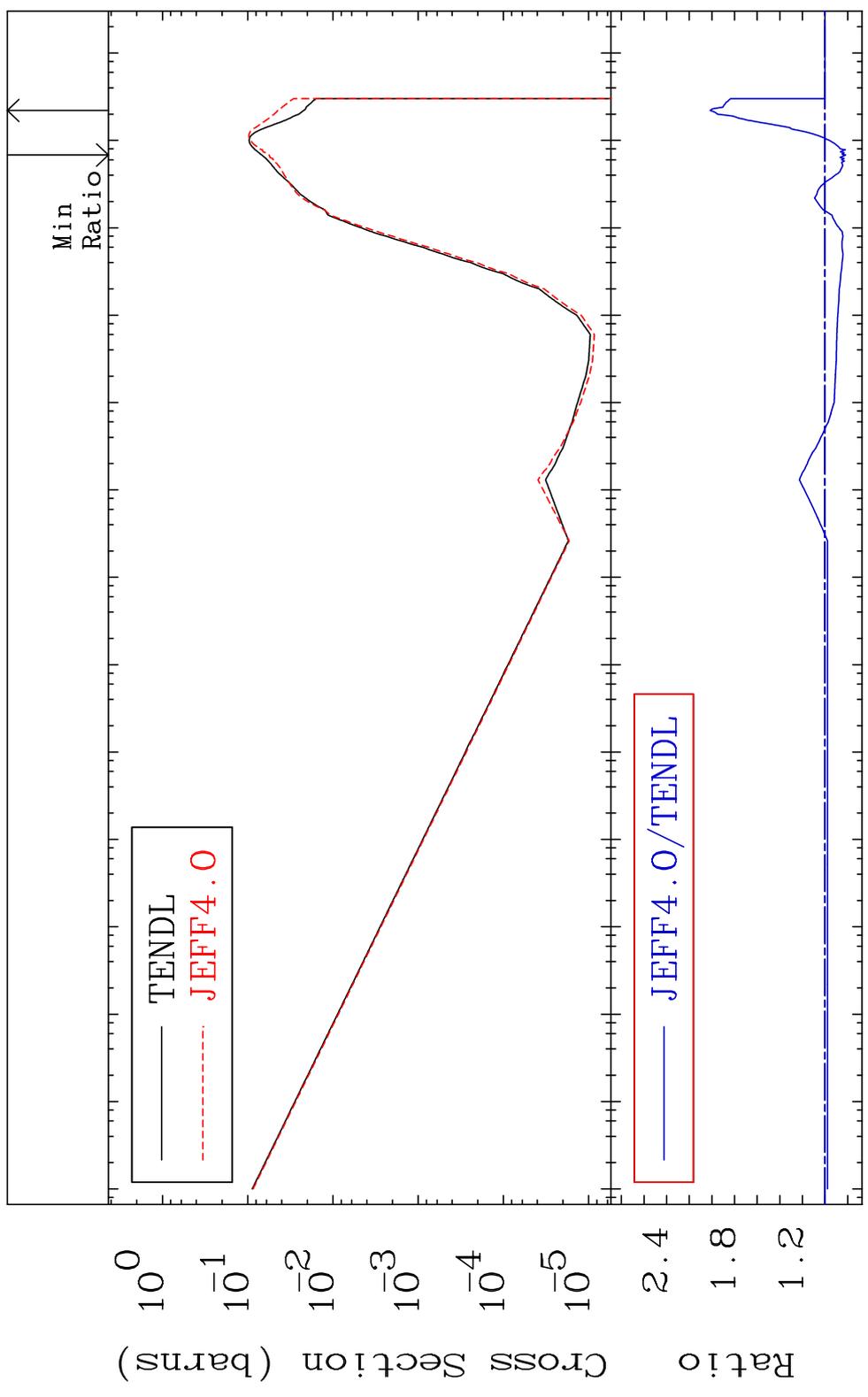
21-Sc-45

MAT 2125

(n, p)

21-Sc-45

Cross Section -18.13 To 101.7 %



49

Incident Energy (eV)

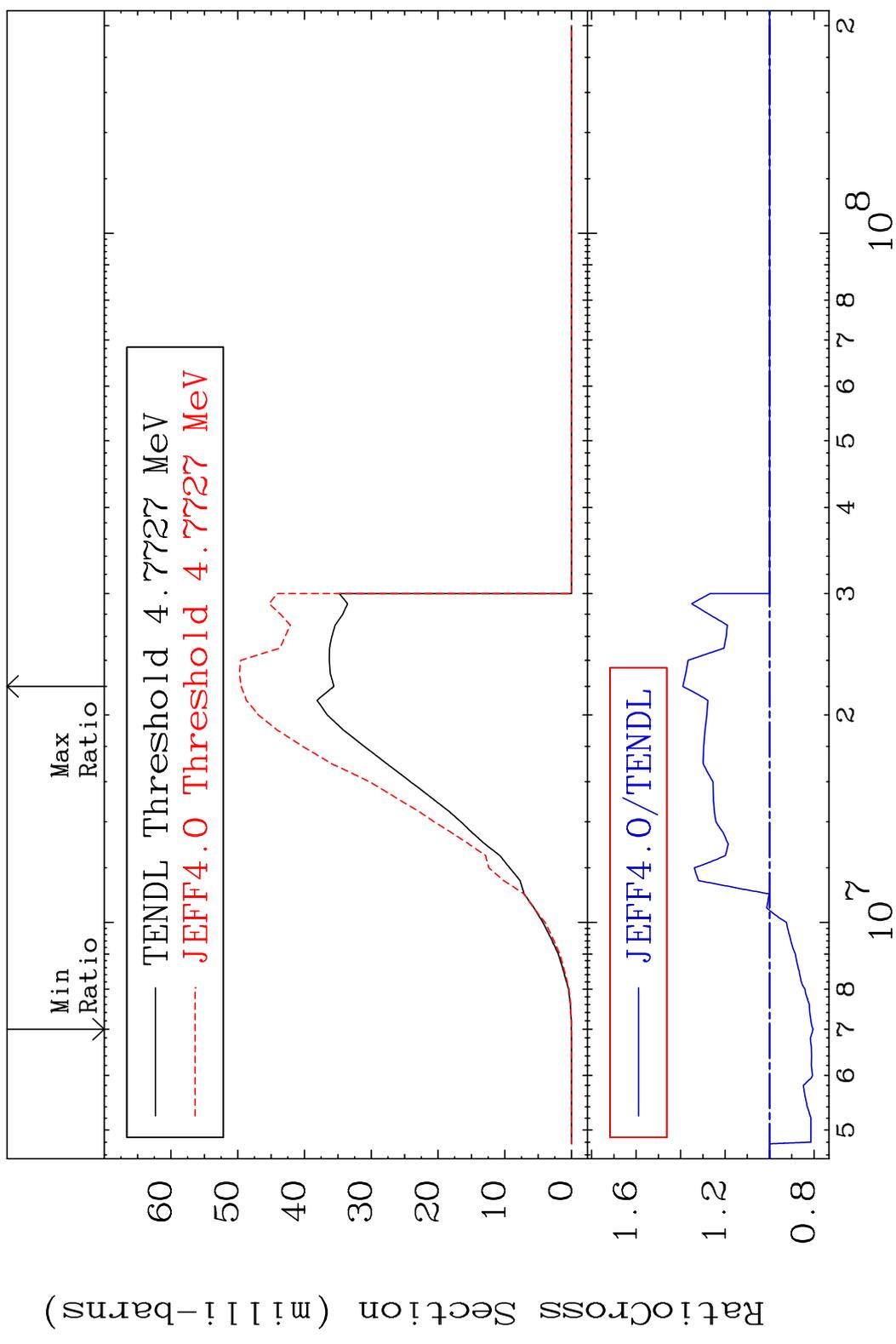
21-Sc-45

MAT 2125

(n, d)

21-Sc-45

Cross Section -19.60 To 39.00 %



50

Incident Energy (eV)

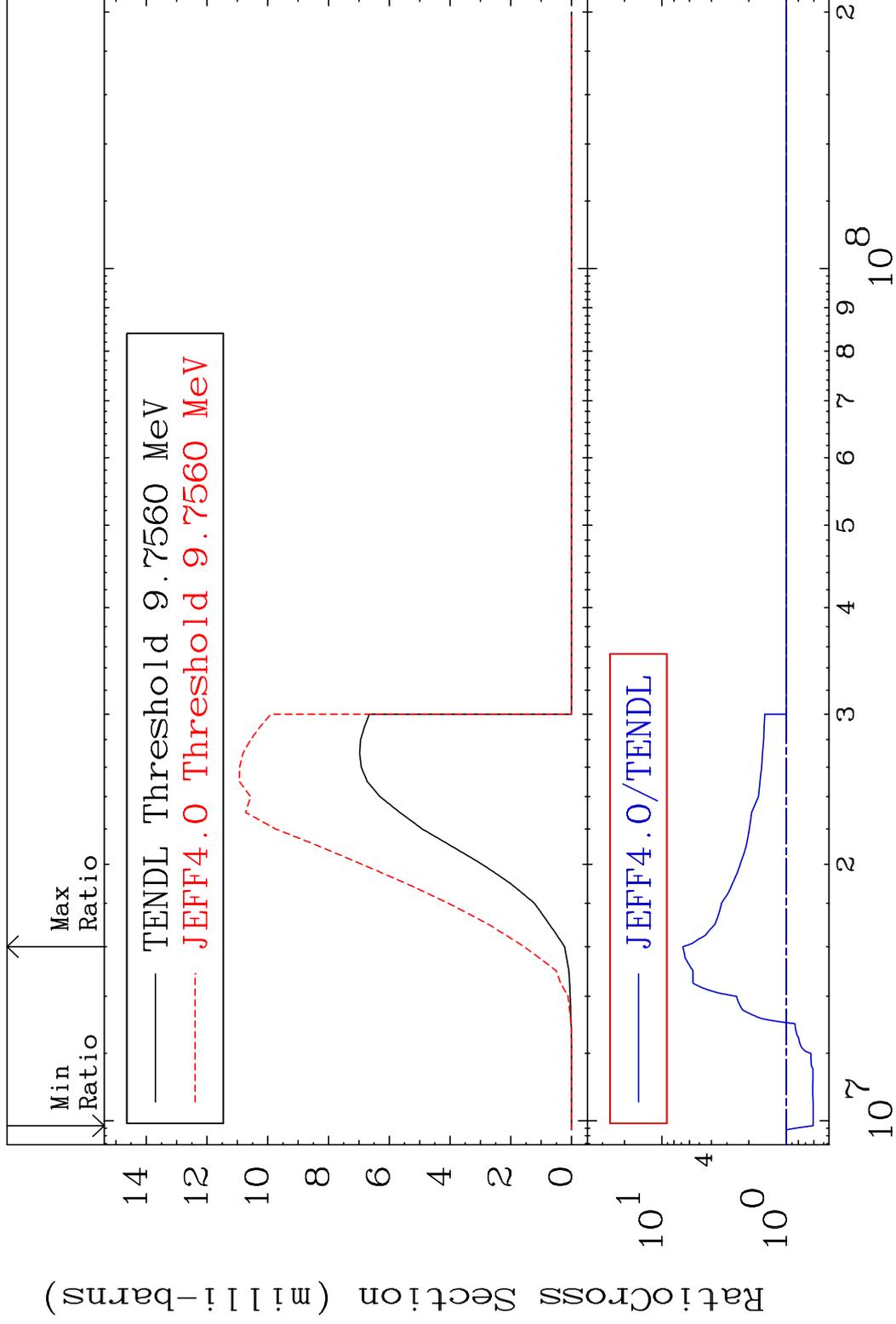
21-Sc-45

MAT 2125

(n, t)

21-Sc-45

Cross Section -39.23 To 579.0 %



51

Incident Energy (eV)

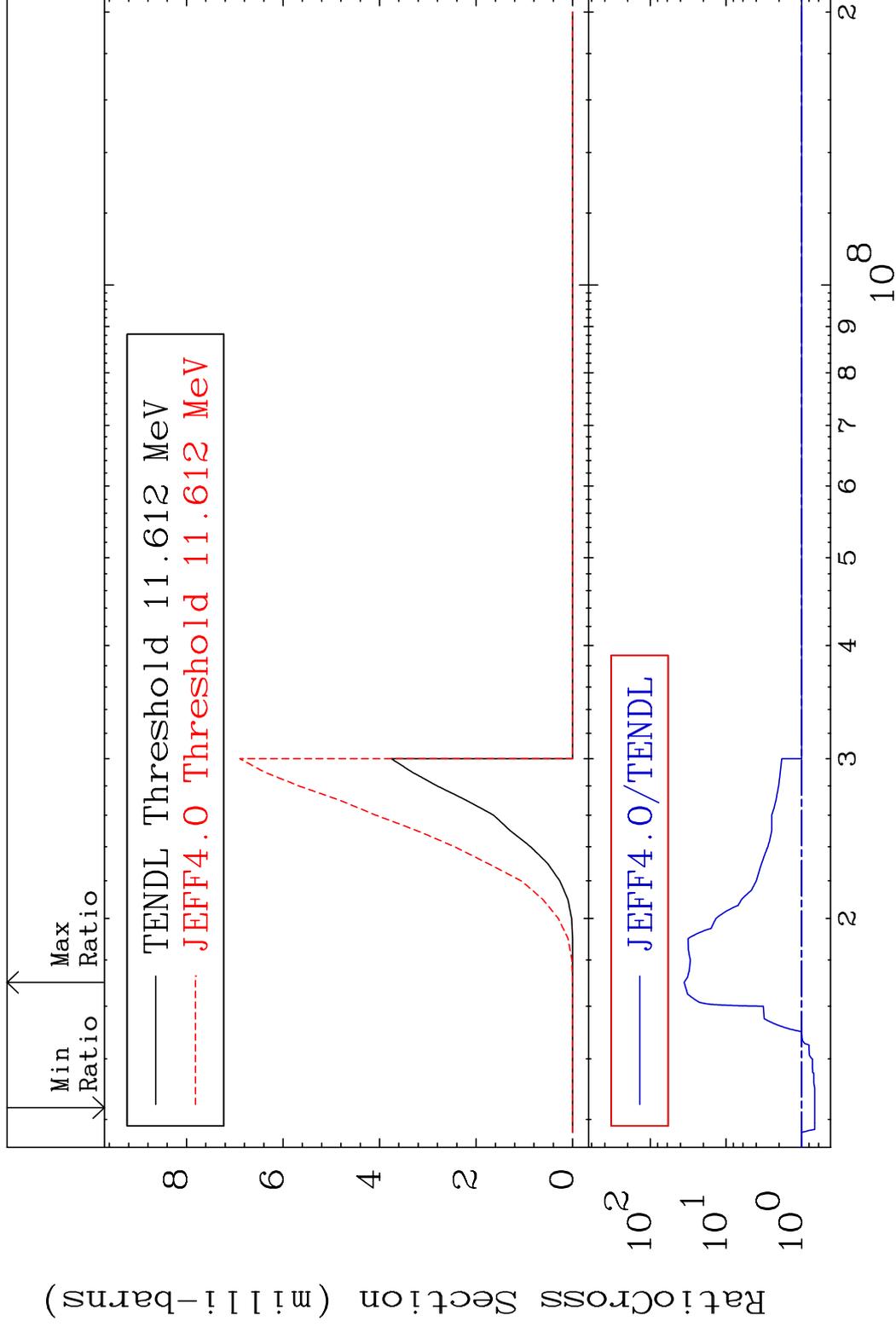
21-Sc-45

MAT 2125

(n, He-3)

21-Sc-45

Cross Section -32.54 To 3481. %

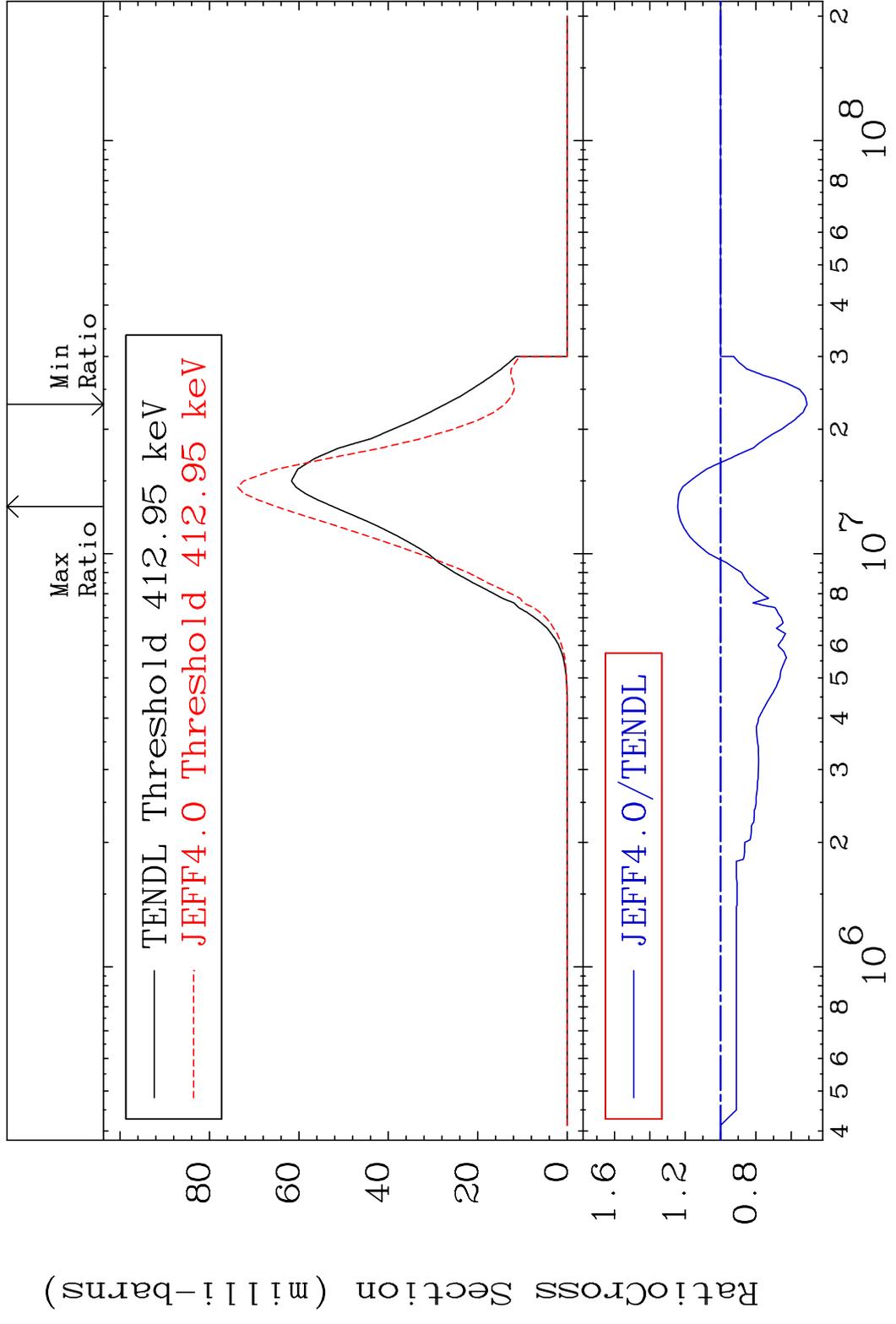


52

Incident Energy (eV)

21-Sc-45

MAT 2125 (n, α) 21-Sc-45
 Cross Section -48.89 To 24.23 %

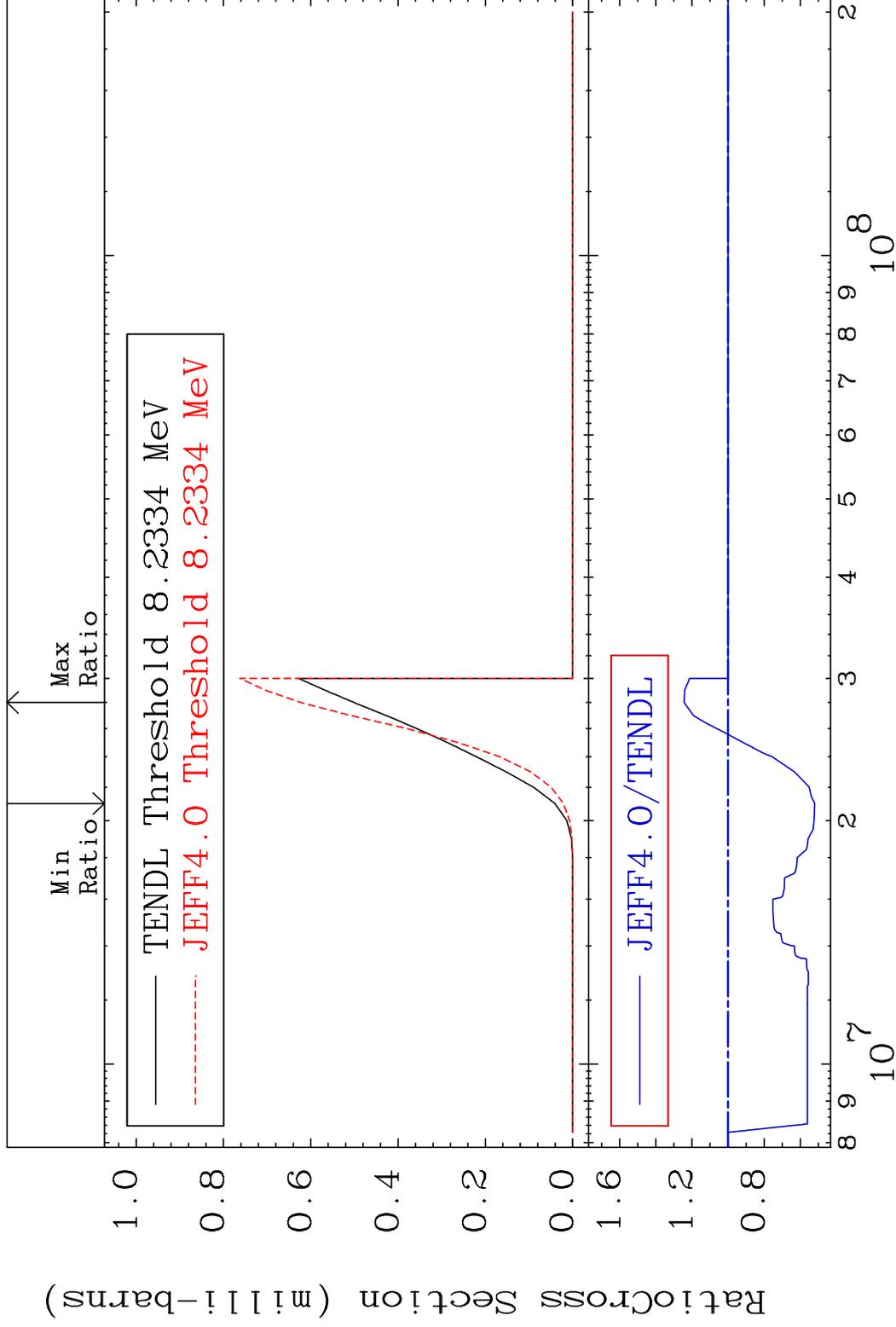


MAT 2125

(n,2α)

21-Sc-45

Cross Section -47.99 To 24.34 %



54

Incident Energy (eV)

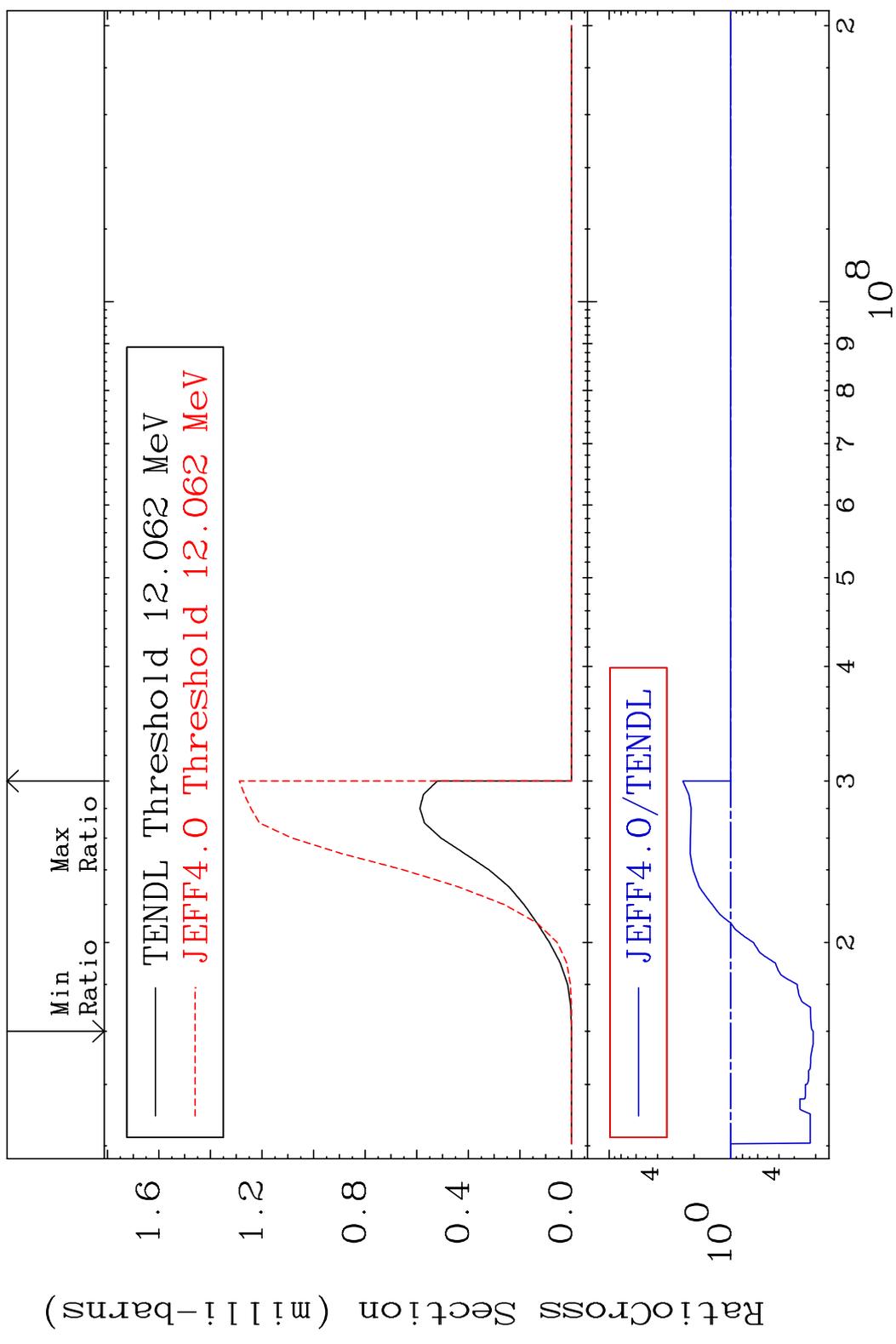
21-Sc-45

MAT 2125

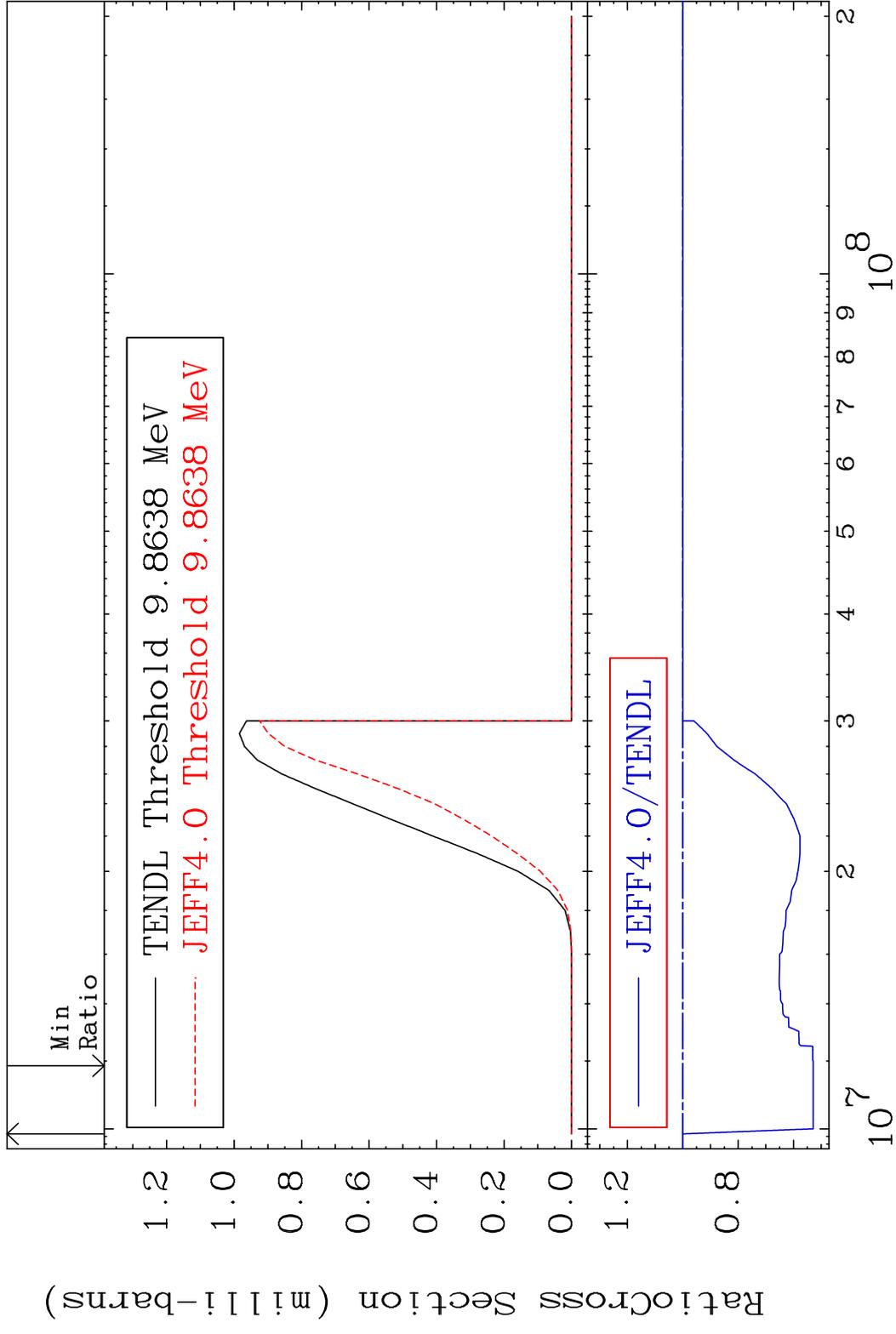
(n,2p)

21-Sc-45

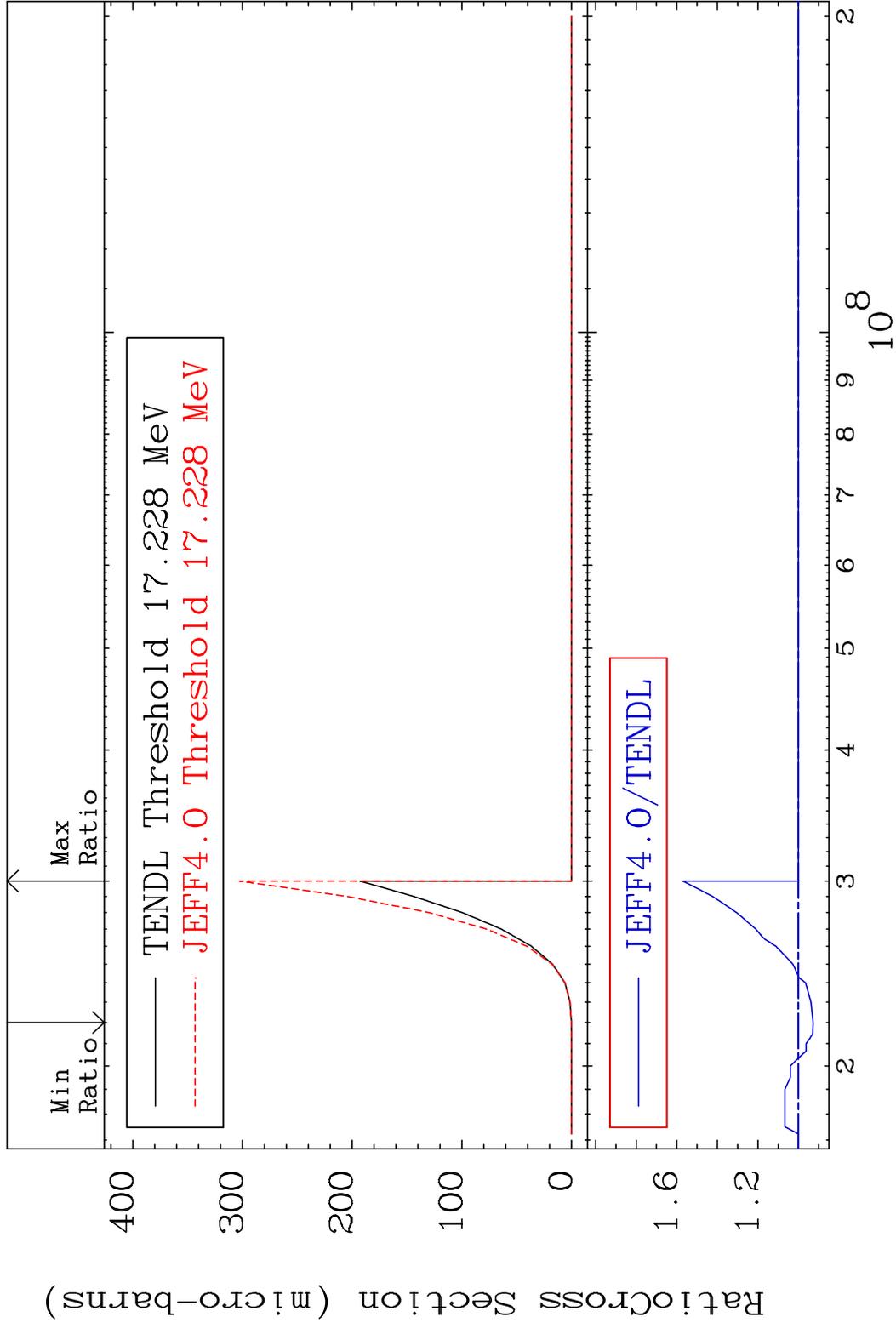
Cross Section -79.04 To 147.5 %



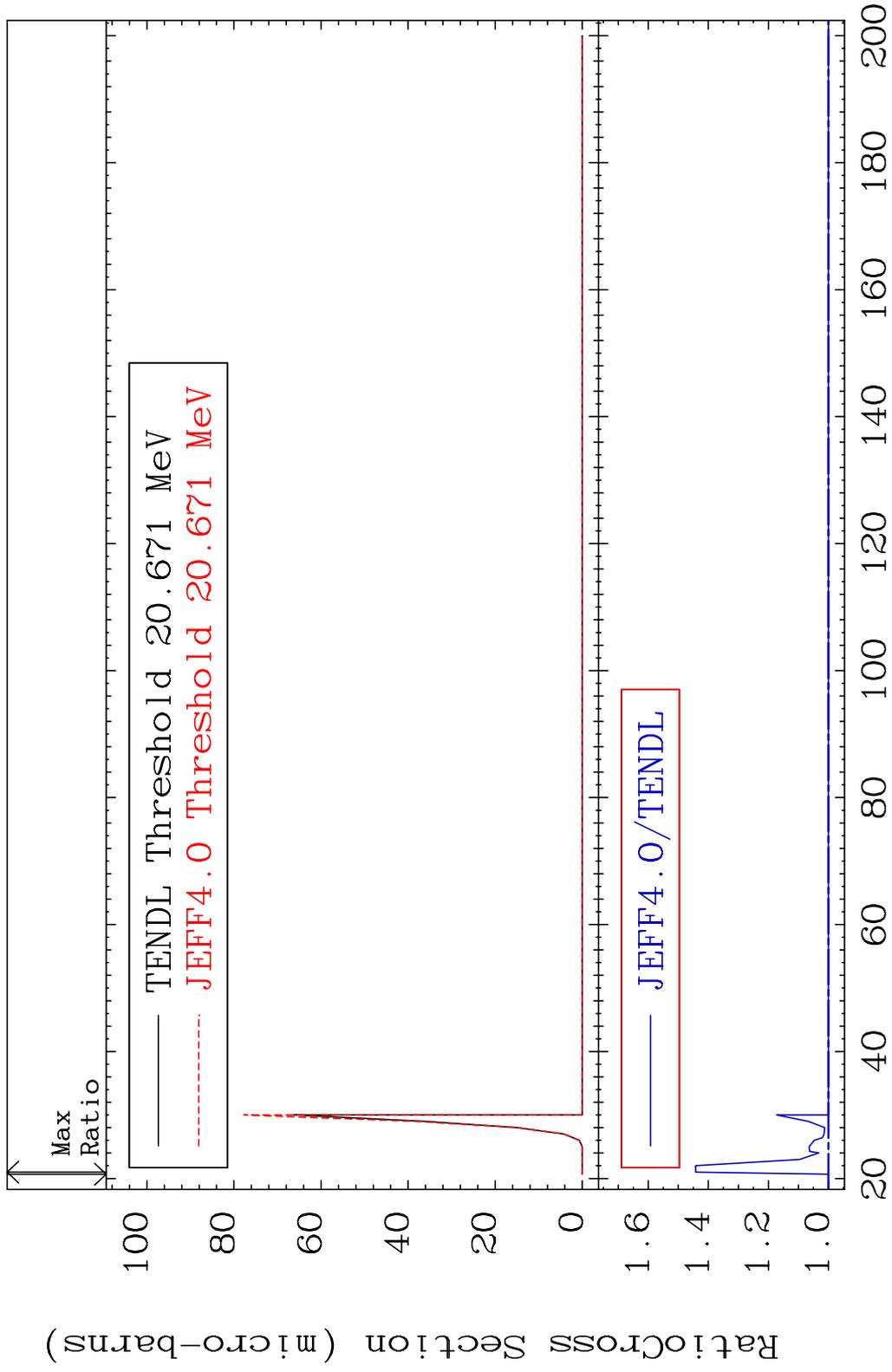
MAT 2125 (n,p) α 21-Sc-45
 Cross Section -47.11 To 0.000 %



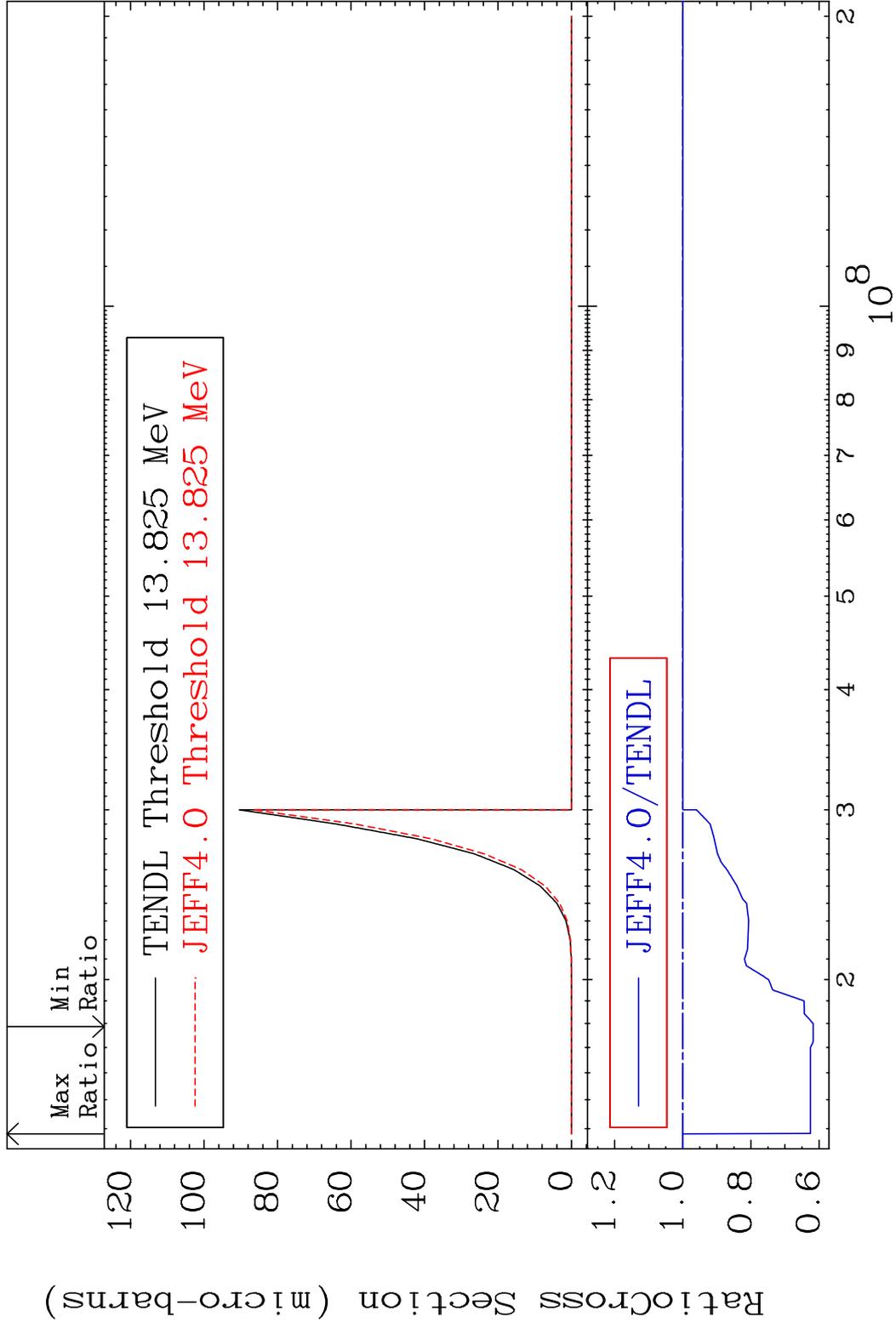
MAT 2125 (n,p) d 21-Sc-45
 Cross Section -7.237 To 57.01 %



MAT 2125 (n,p) t 21-Sc-45
 Cross Section 0.000 To 44.23 %



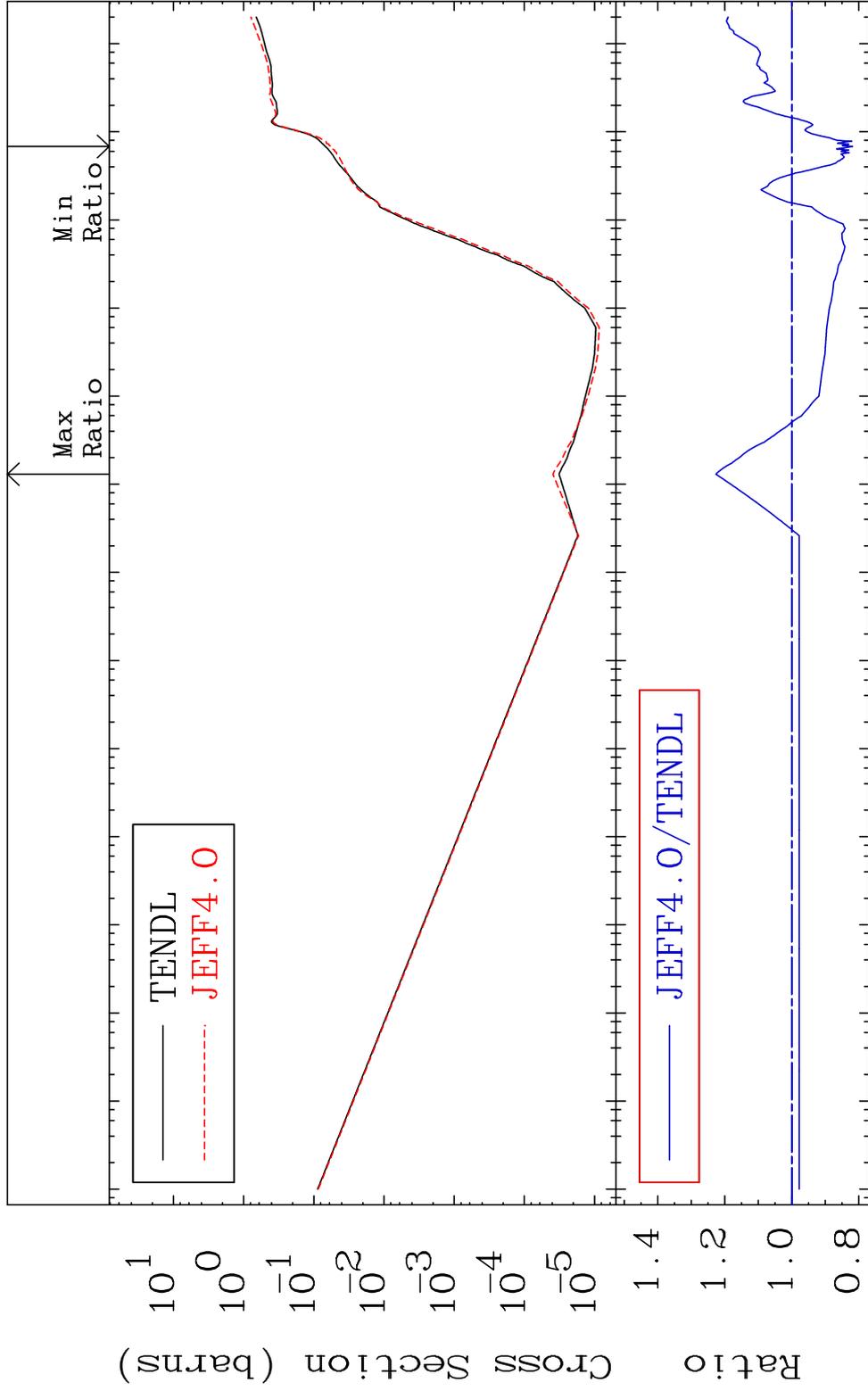
MAT 2125 (n,d) α 21-Sc-45
 Cross Section -38.26 To 0.000 %



MAT 2125

Hydrogen Production
Cross Section -18.13 To 22.67 %

21-Sc-45



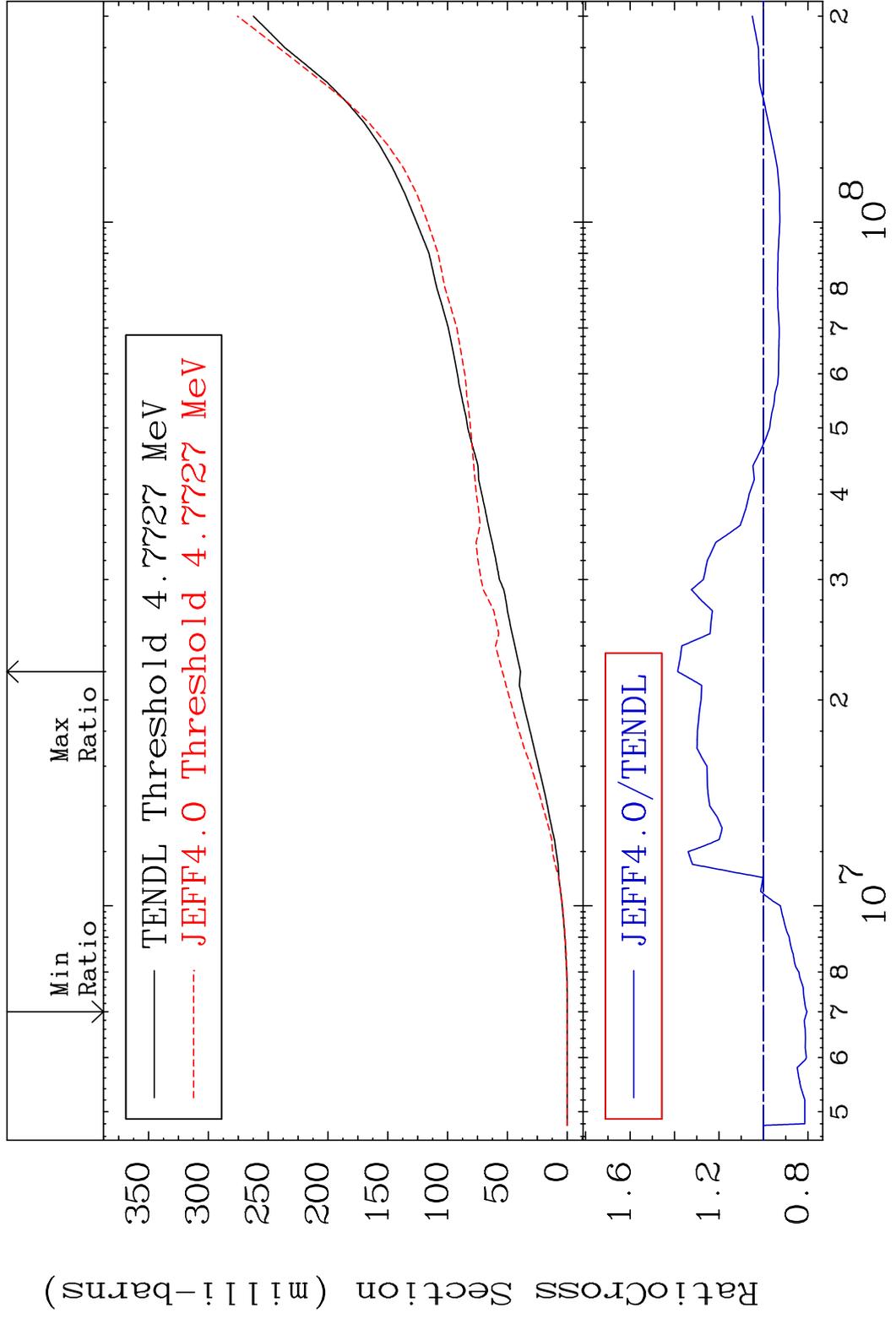
60

Incident Energy (eV)

21-Sc-45

MAT 2125

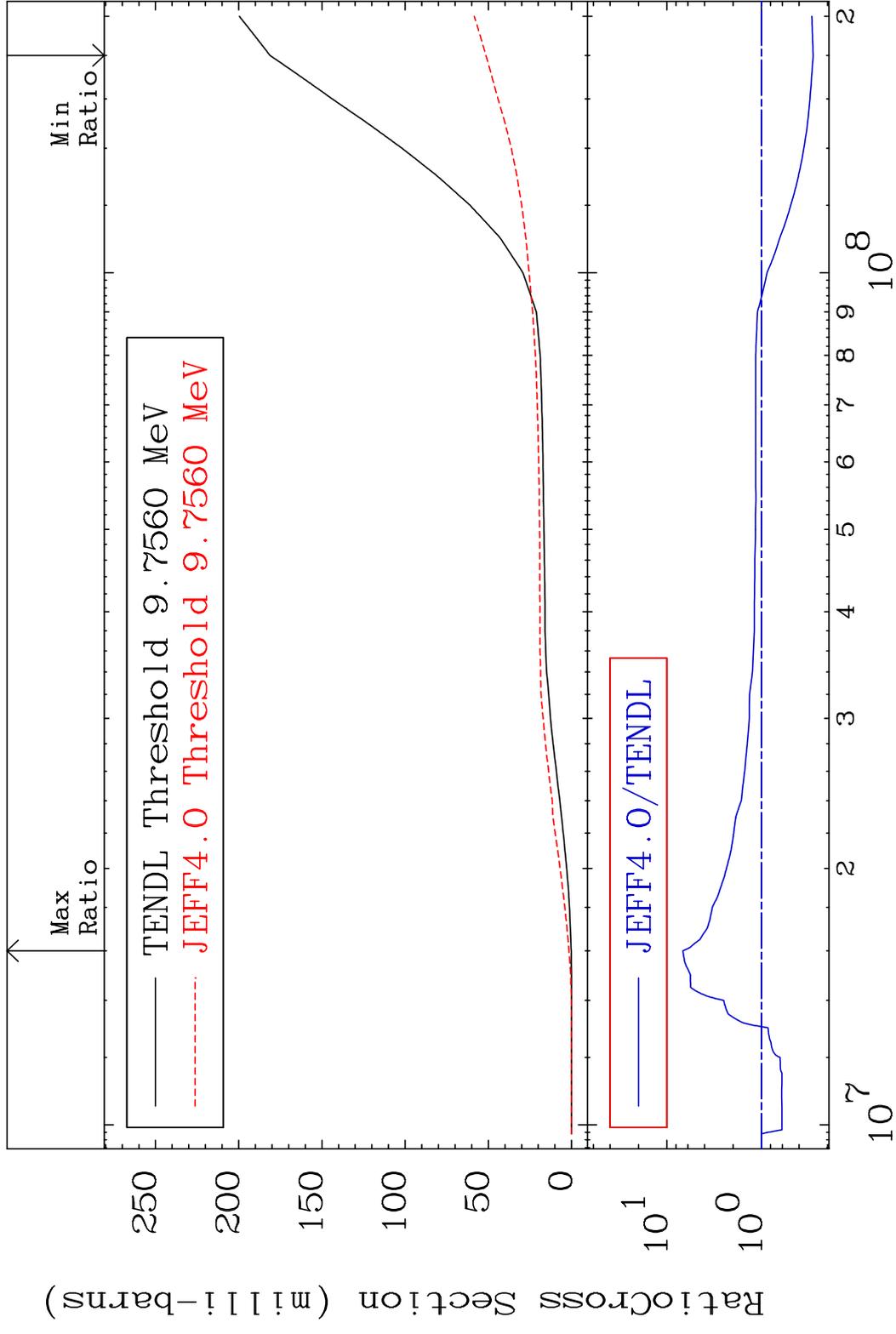
Deuterium Production 21-Sc-45
Cross Section -19.60 To 38.58 %



61

Incident Energy (eV) 21-Sc-45

MAT 2125 Tritium Production 21-Sc-45
 Cross Section -71.61 To 579.0 %



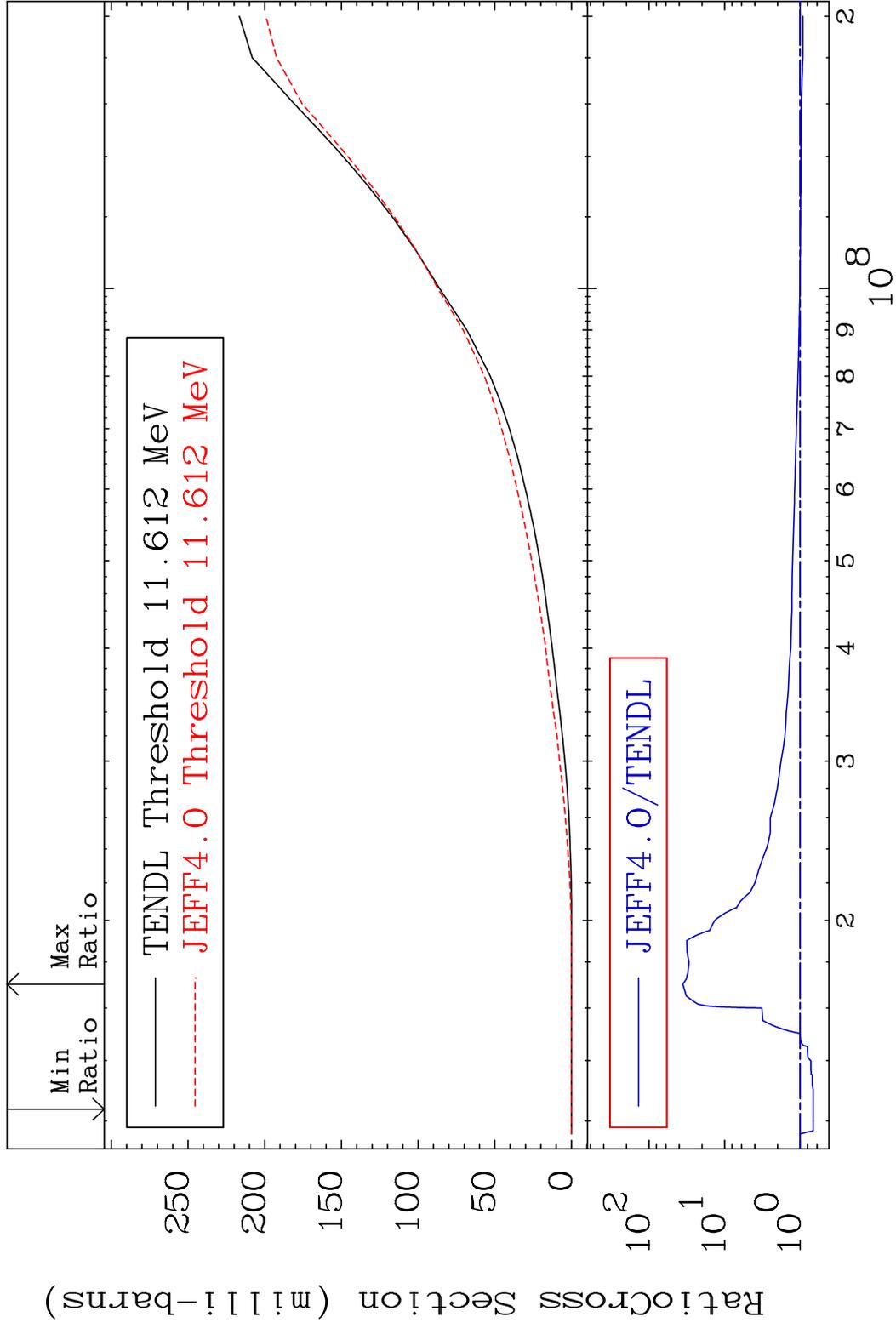
62 Incident Energy (eV) 21-Sc-45

MAT 2125

He-3 Production

21-Sc-45

Cross Section -32.54 To 3481. %



63

Incident Energy (eV)

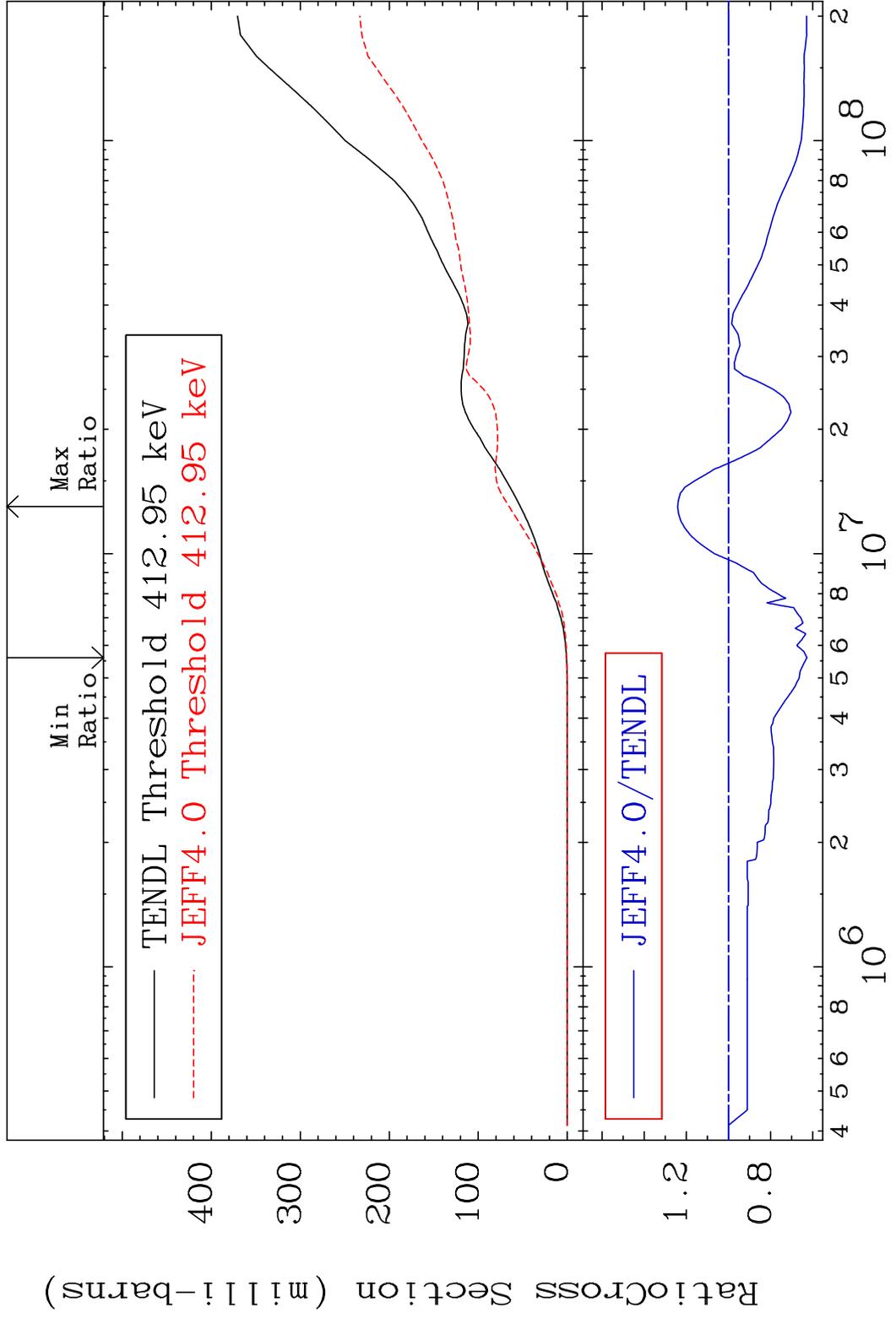
21-Sc-45

MAT 2125

He-4 Production

21-Sc-45

Cross Section -37.27 To 24.09 %



64

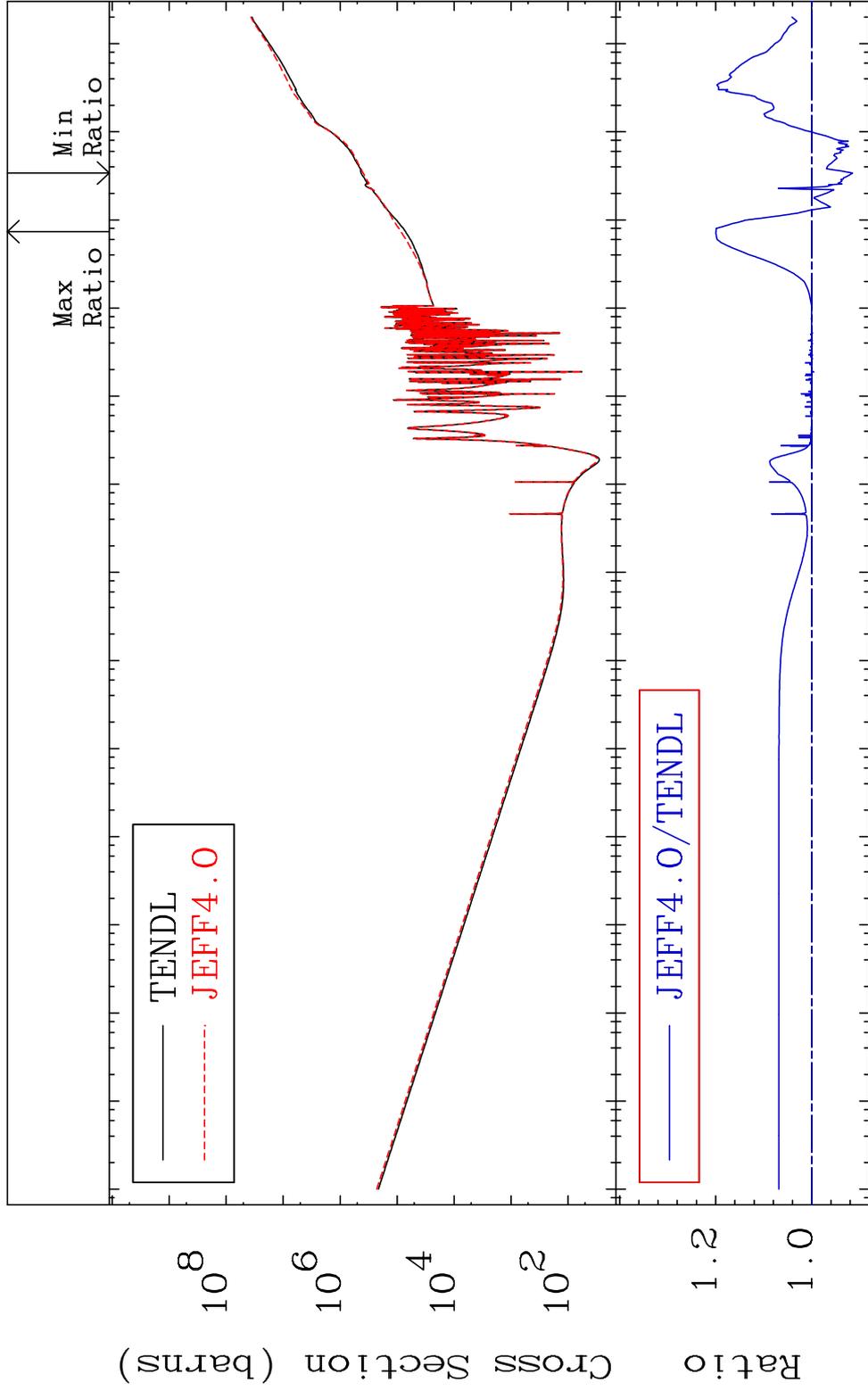
Incident Energy (eV)

21-Sc-45

MAT 2125

Kerma total (eV-barns) 21-Sc-45

Cross Section -8.493 To 19.96 %



65

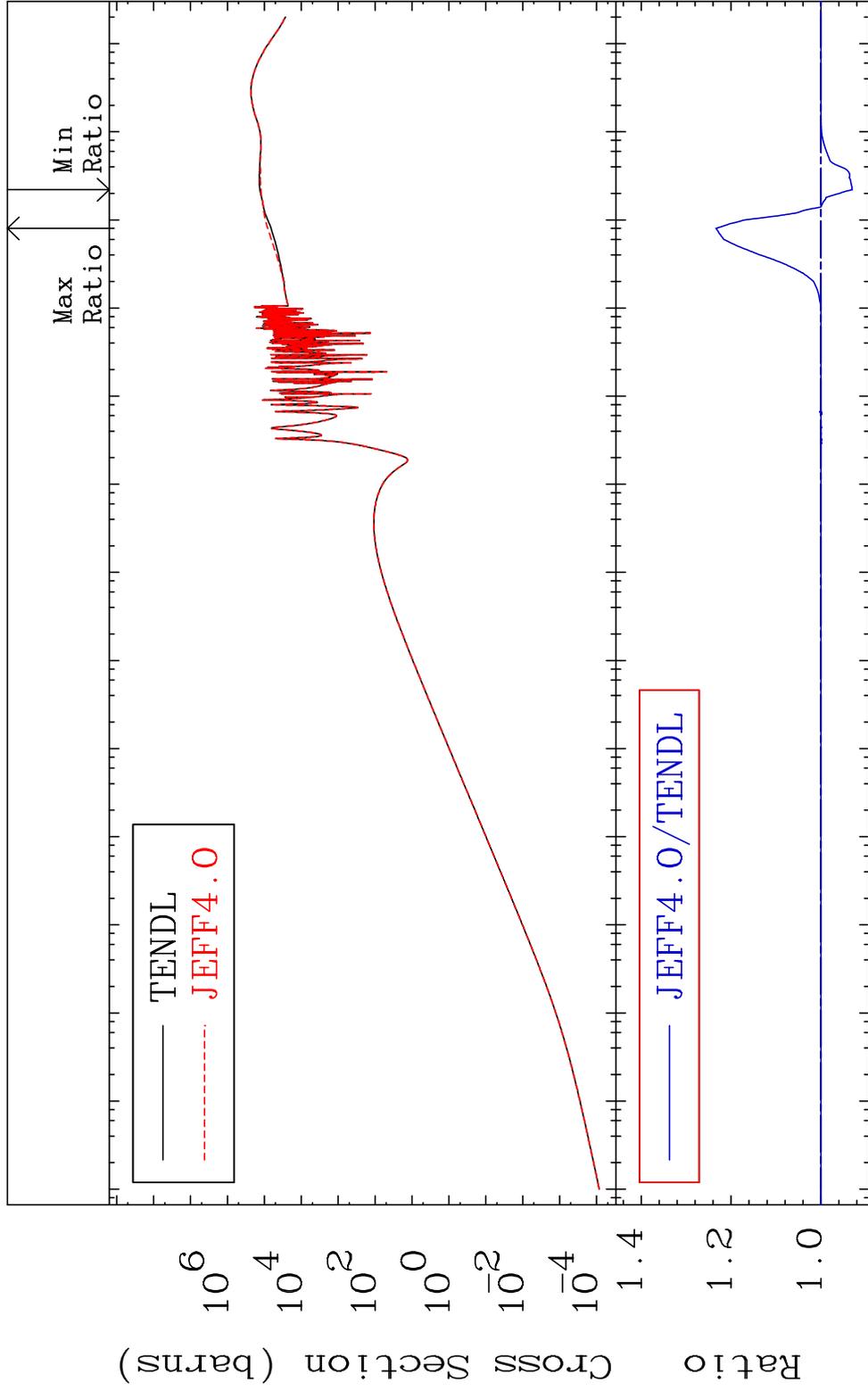
Incident Energy (eV)

21-Sc-45

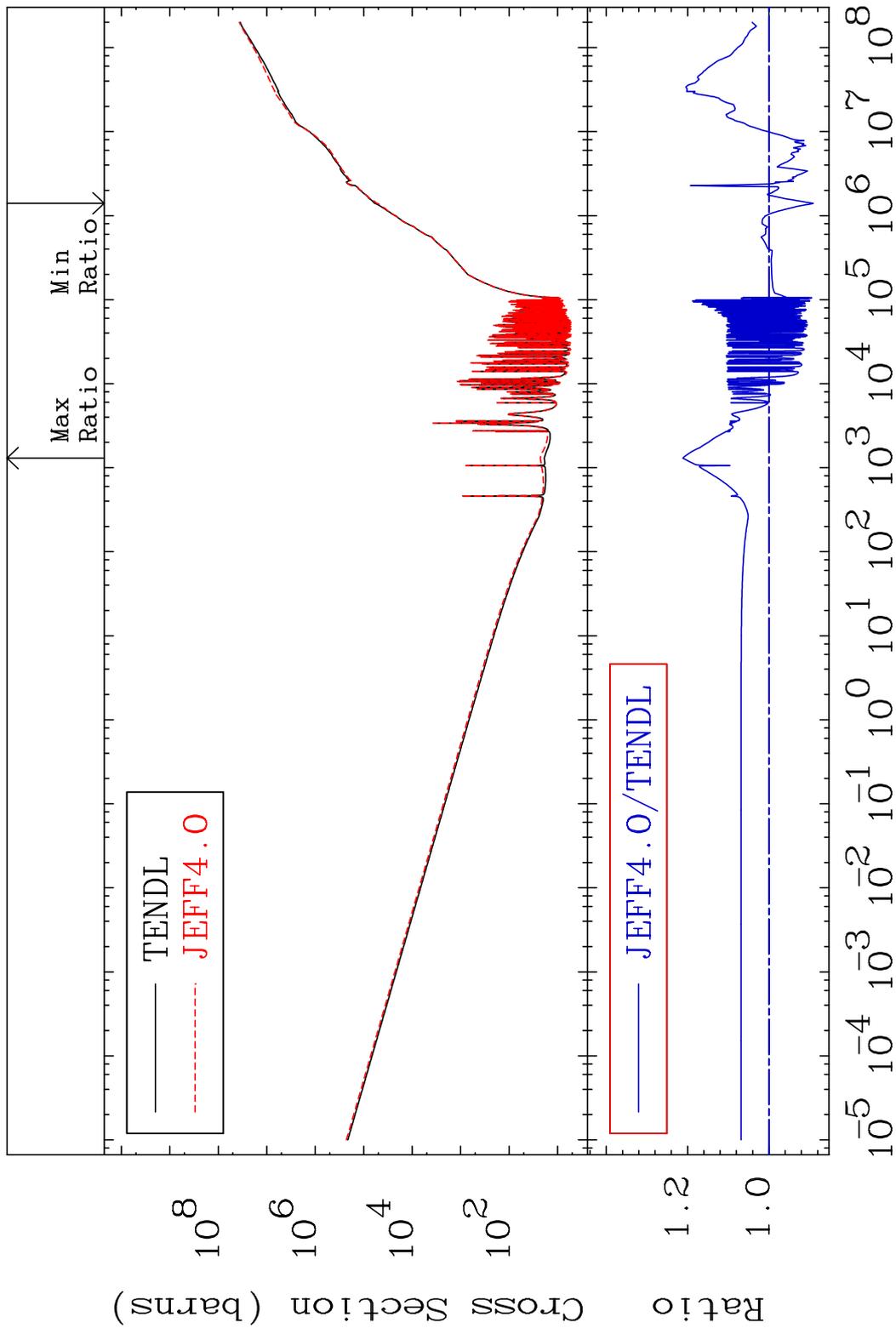
MAT 2125

Kerma elastic
Cross Section -7.020 To 23.38 %

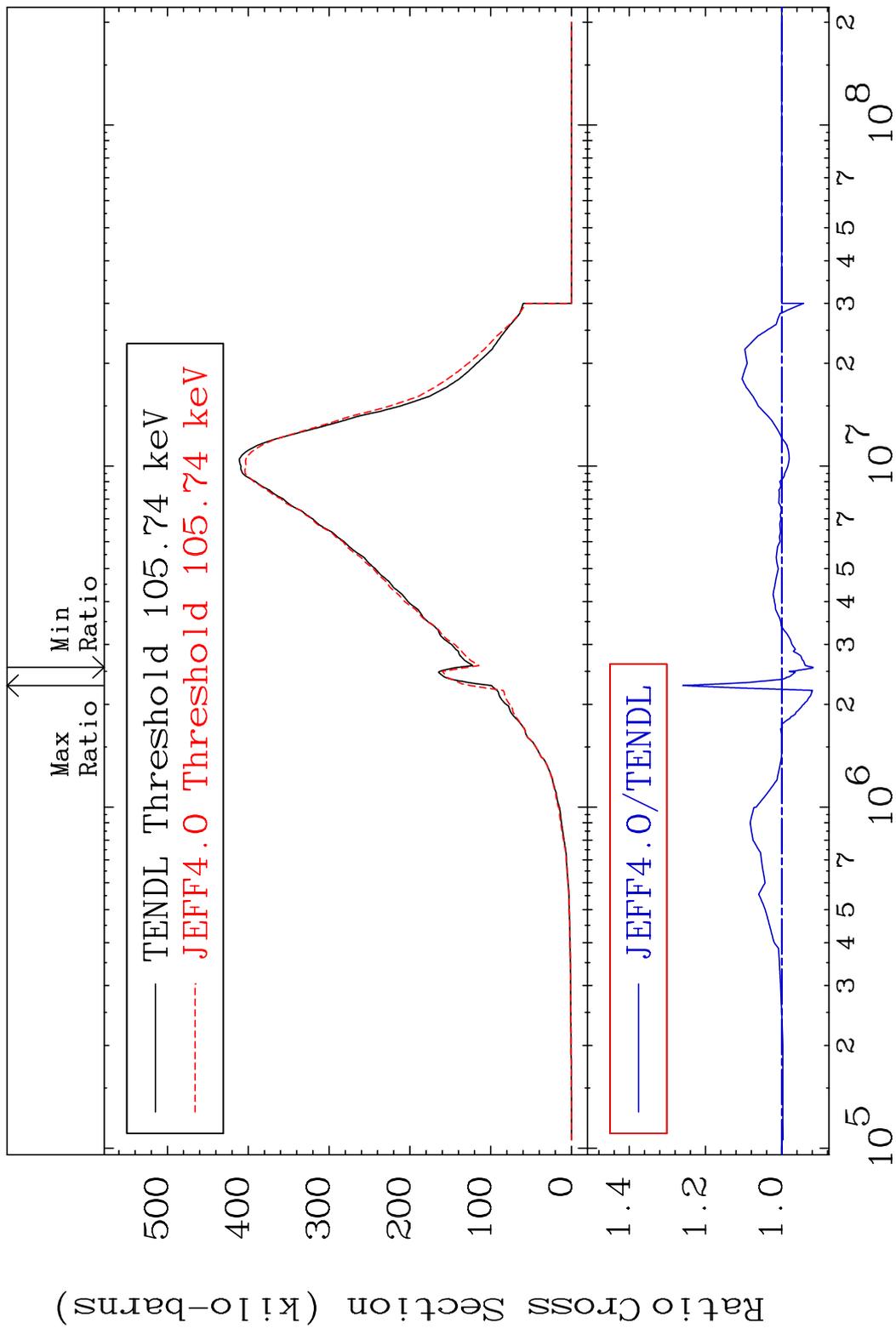
21-Sc-45



MAT 2125 Kerma non-elastic (all but mt2) 21-Sc-45
 Cross Section -10.89 To 21.17 %

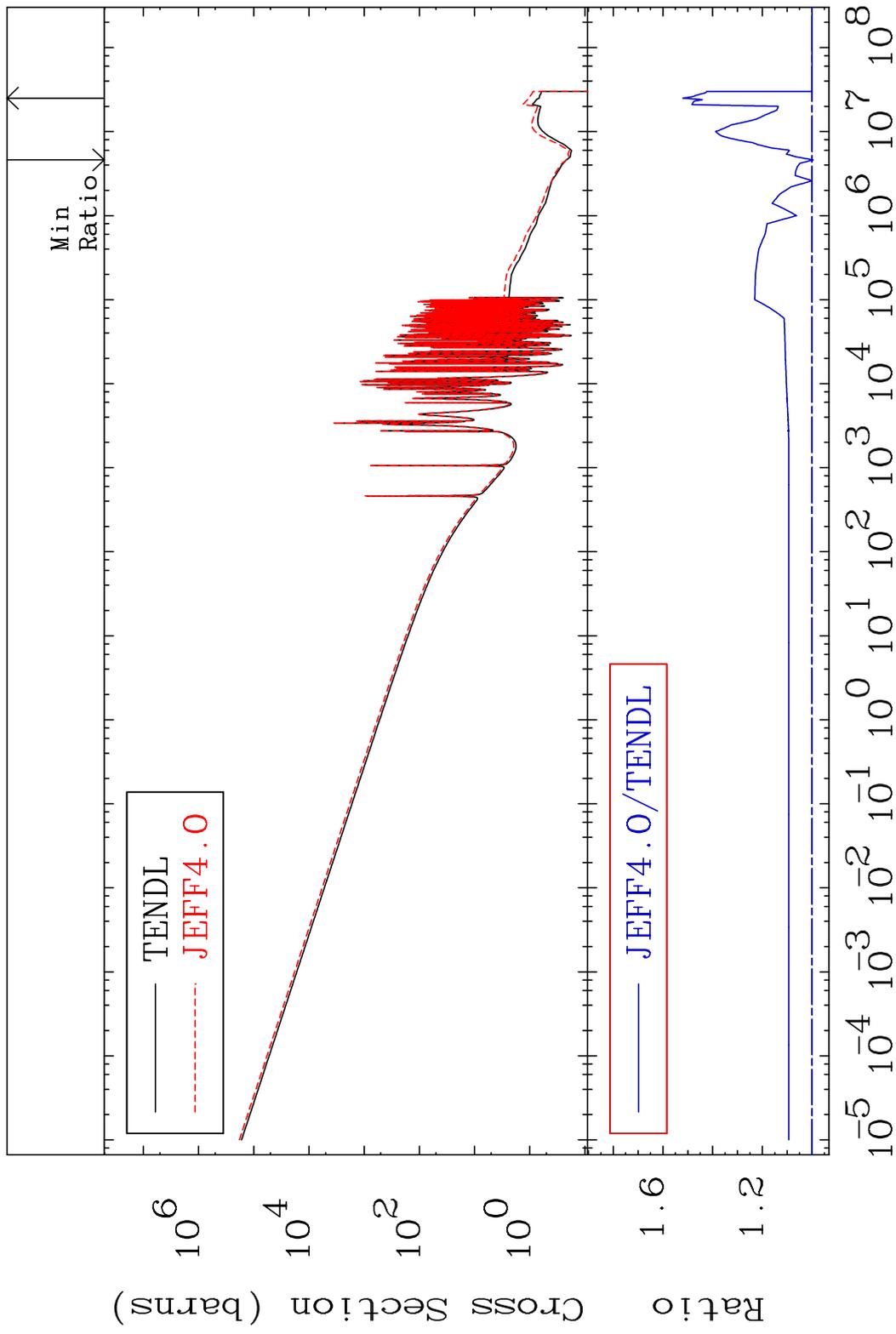


MAT 2125 Kerma inelastic (mt51-91) 21-Sc-45
 Cross Section -8.220 To 25.96 %



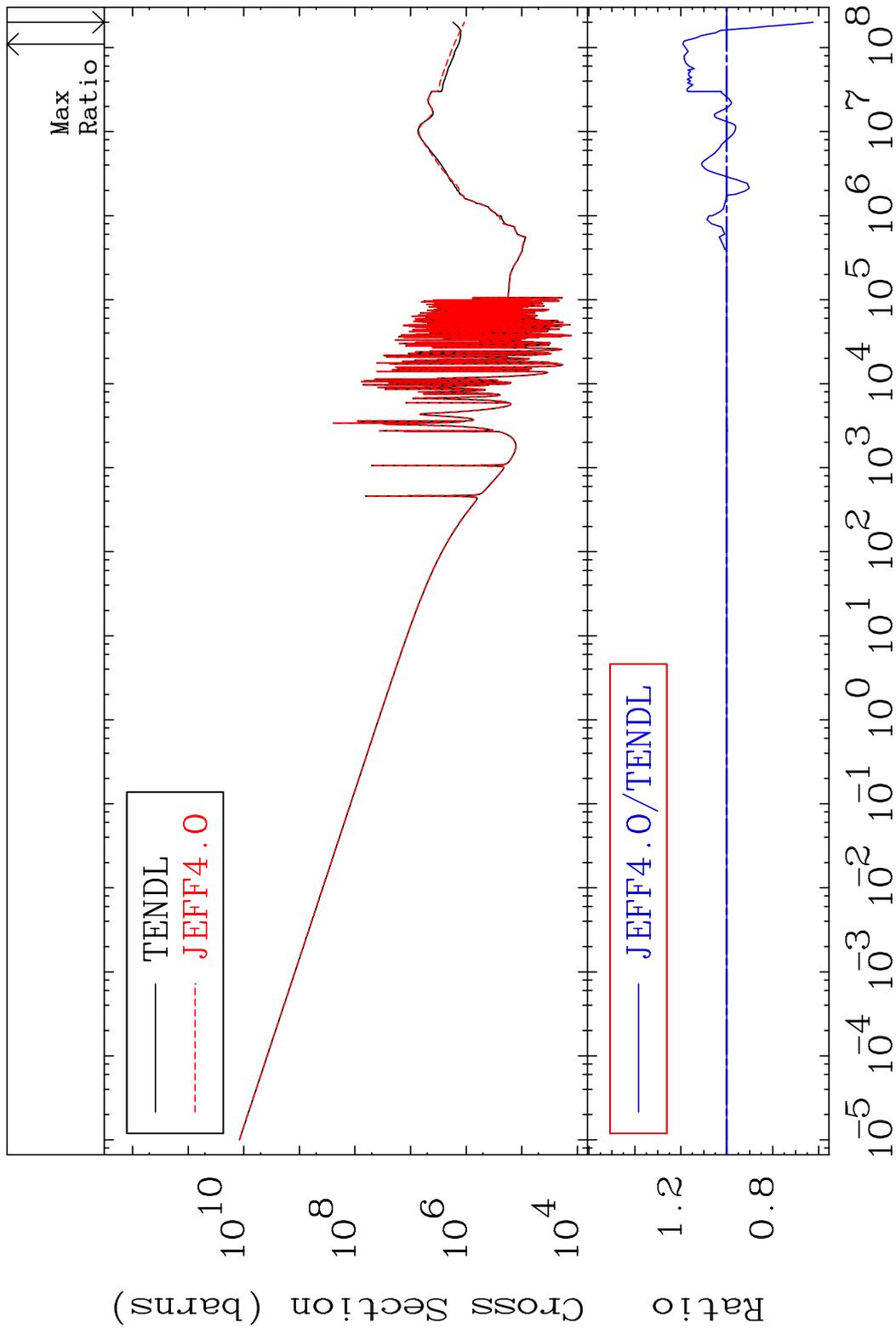
68 21-Sc-45

MAT 2125 Kerma capture (mt102) 21-Sc-45
 Cross Section -0.451 To 52.00 %



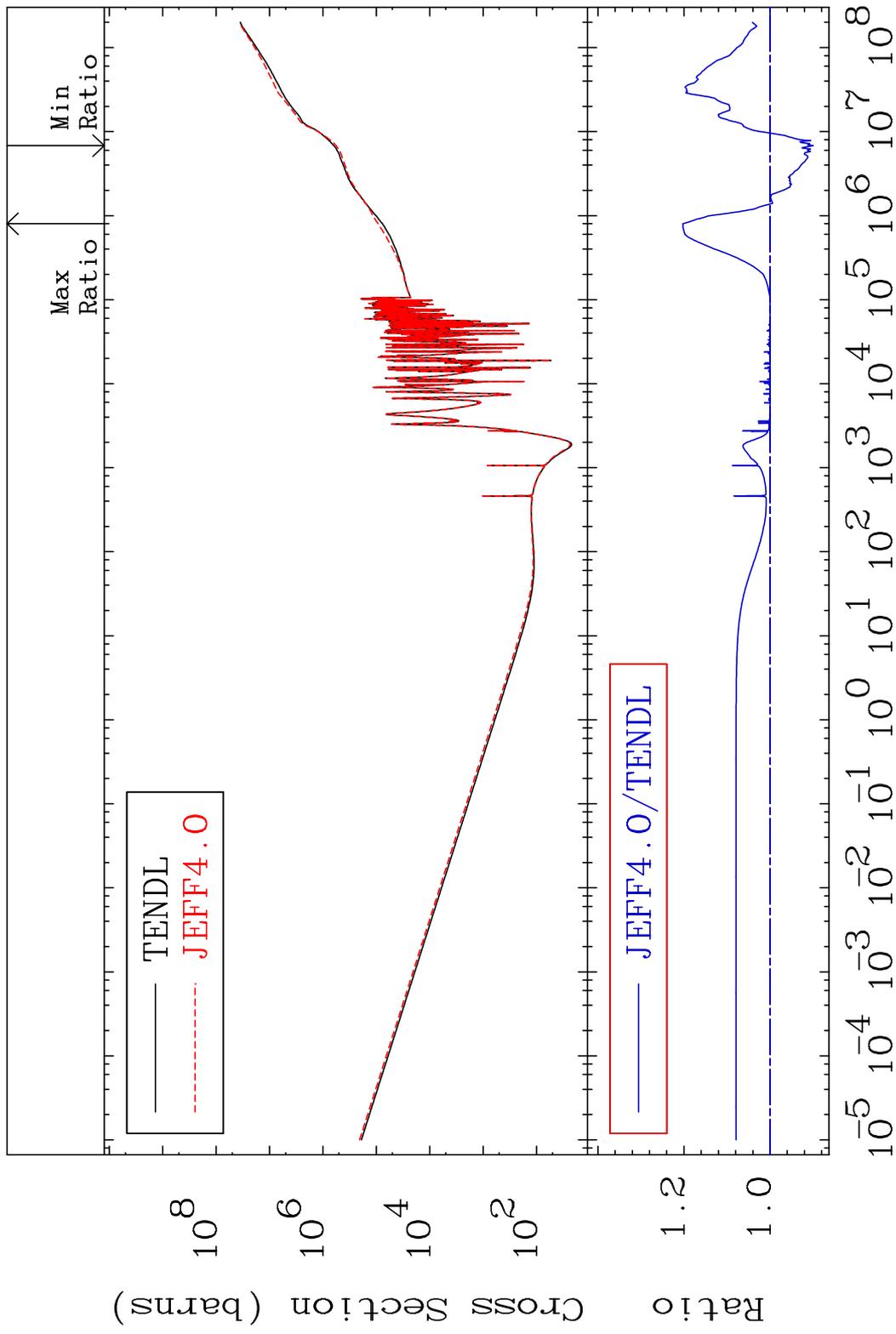
70 Incident Energy (eV) 21-Sc-45

MAT 2125 Total photon (eV-barns) 21-Sc-45
 Cross Section -37.60 To 19.12 %



71 Incident Energy (eV) 21-Sc-45

MAT 2125 Total kinematic kerma (high limit) 21-Sc-45
 Cross Section -10.01 To 20.27 %

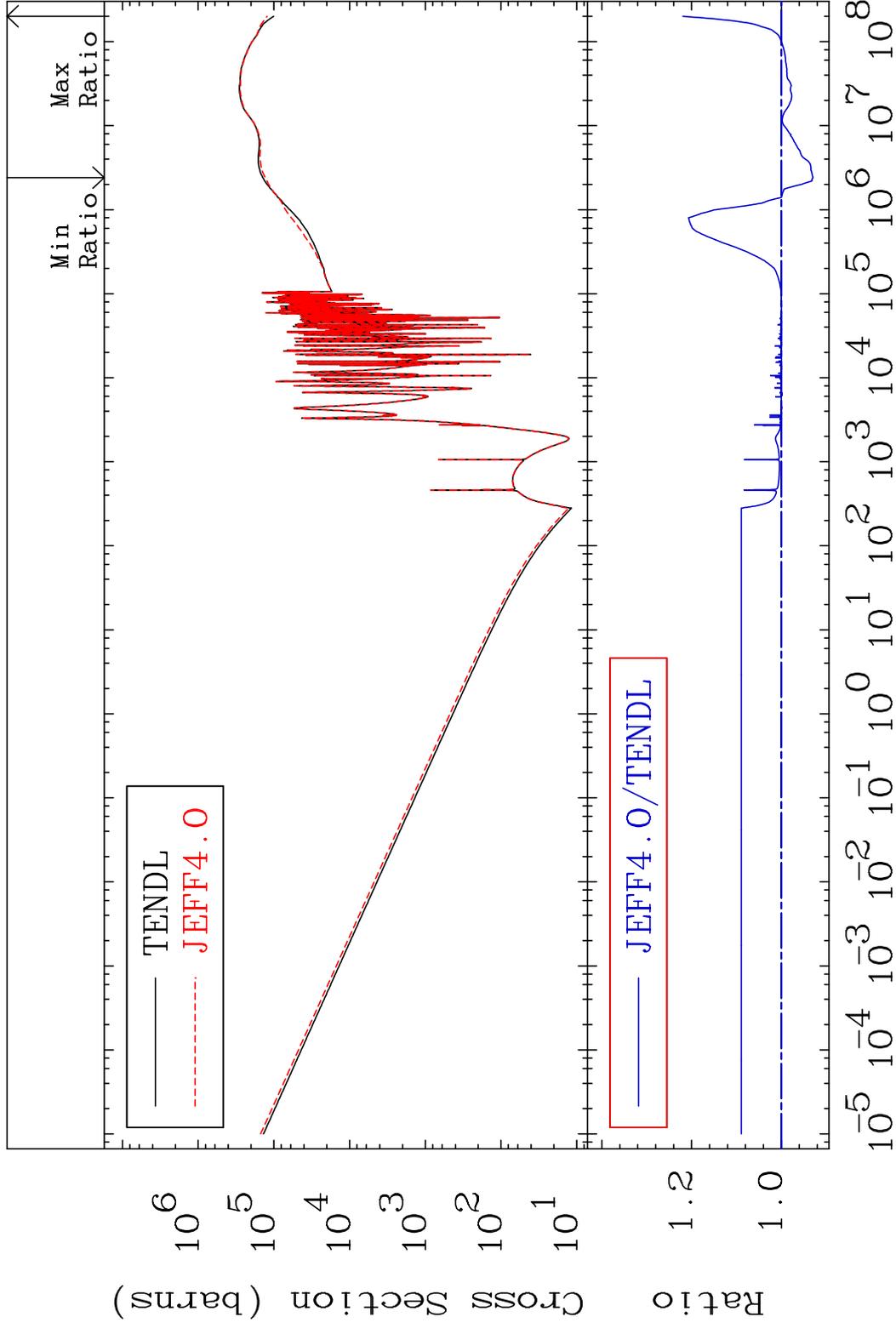


MAT 2125

Dpa total (eV-barns)

21-Sc-45

Cross Section -7.080 To 21.96 %



73

Incident Energy (eV)

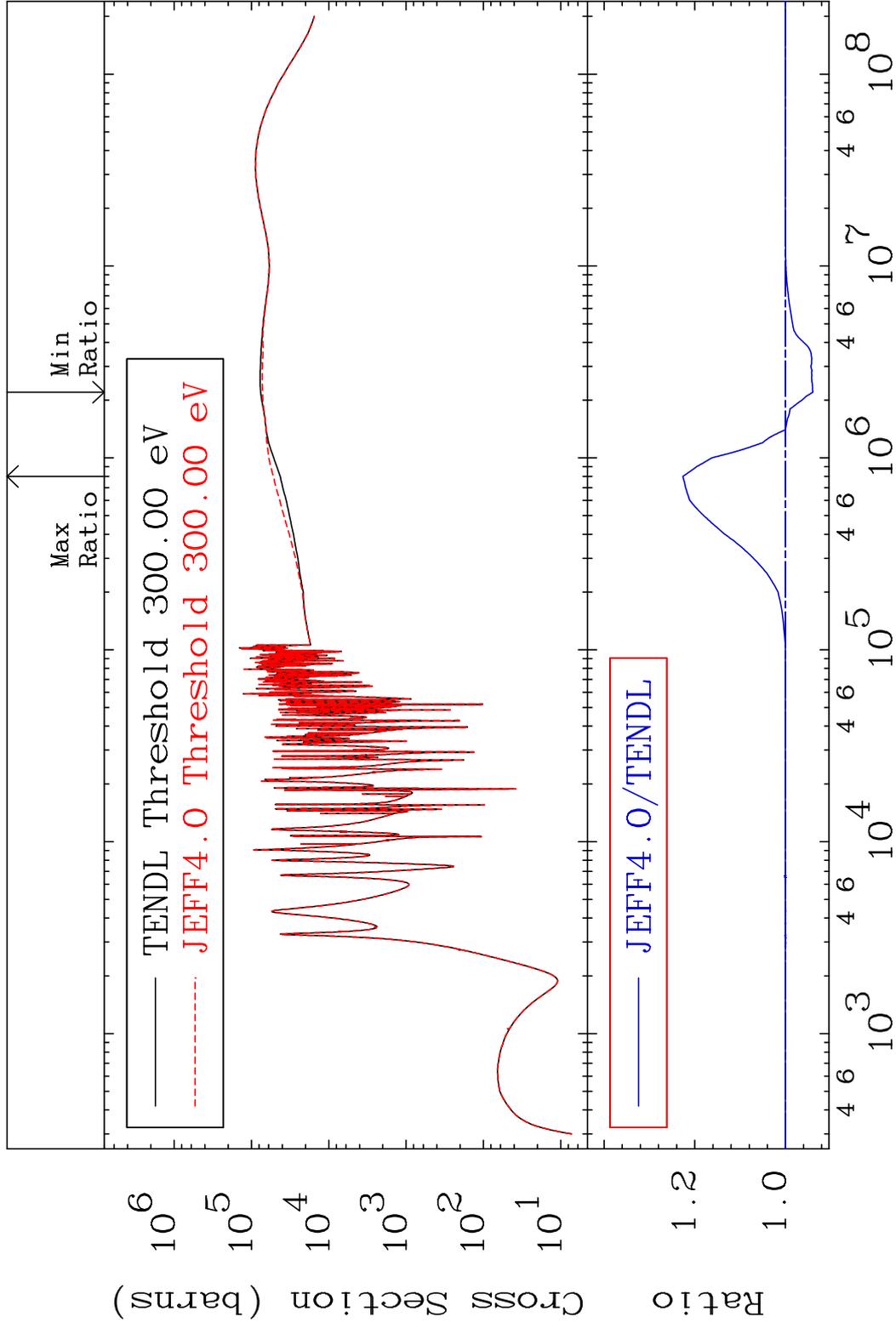
21-Sc-45

MAT 2125

Dpa elastic (mt2)

21-Sc-45

Cross Section -6.109 To 22.63 %



74

Incident Energy (eV)

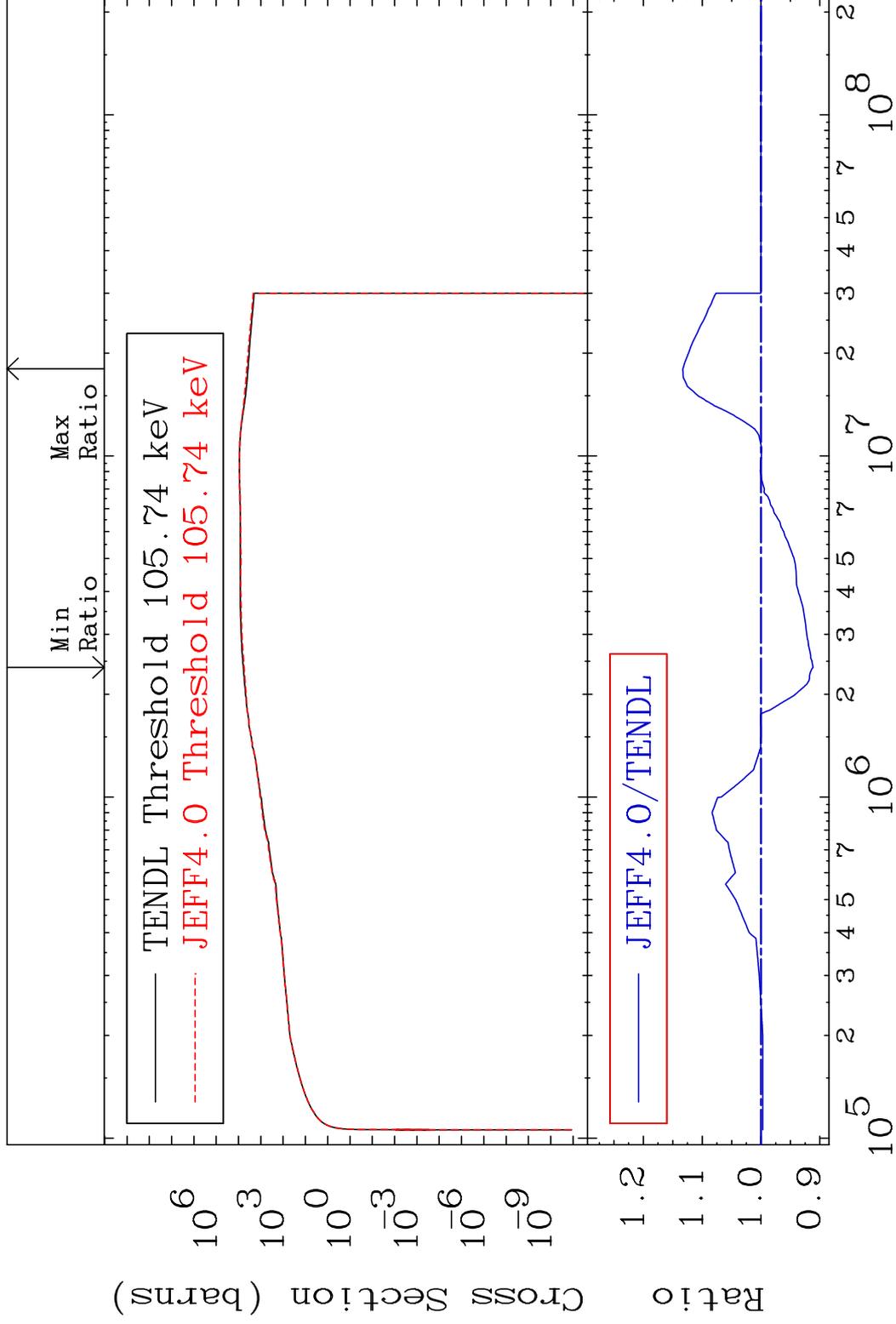
21-Sc-45

MAT 2125

Dpa inelastic (mt51-91)

21-Sc-45

Cross Section -8.860 To 13.29 %

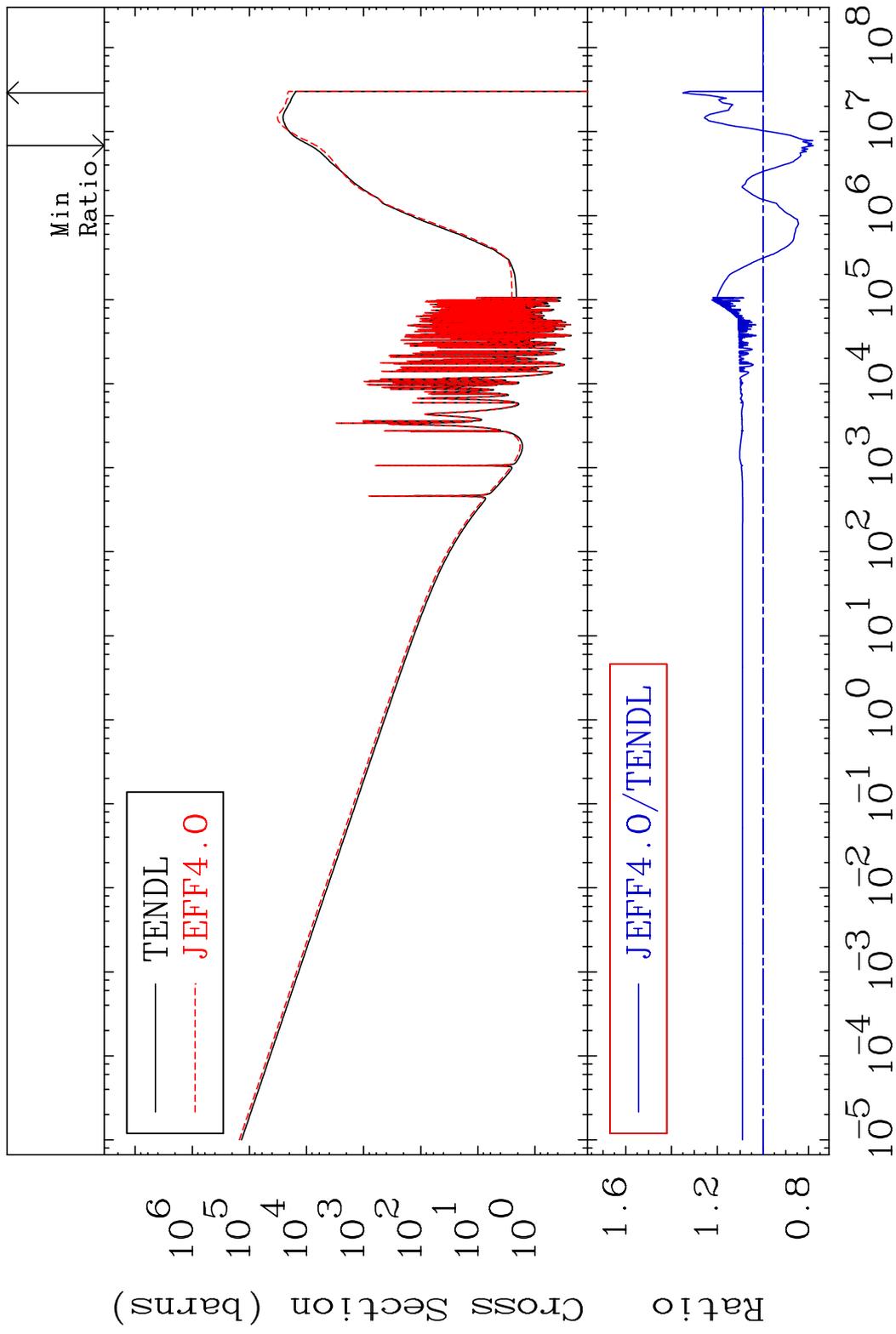


75

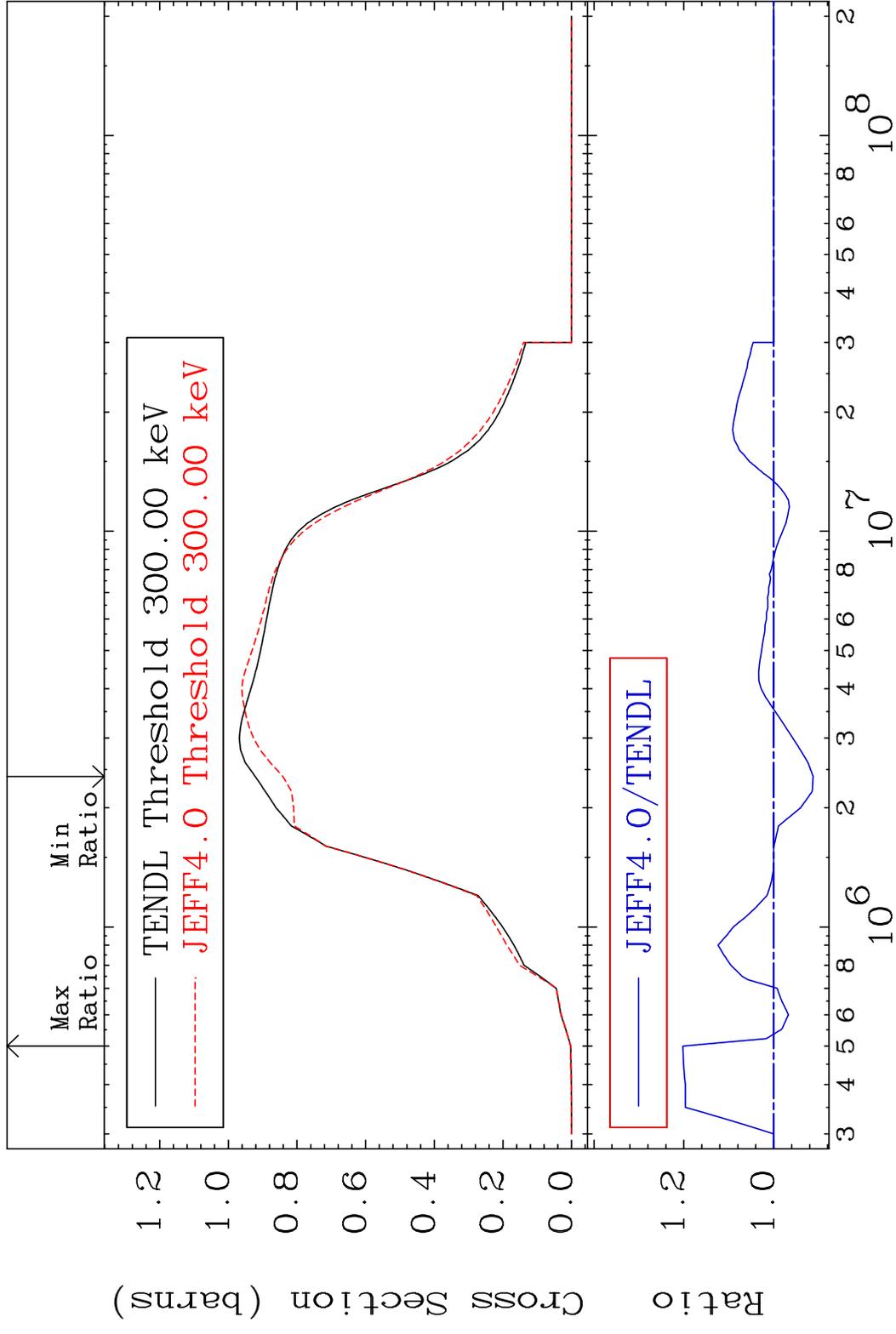
Incident Energy (eV)

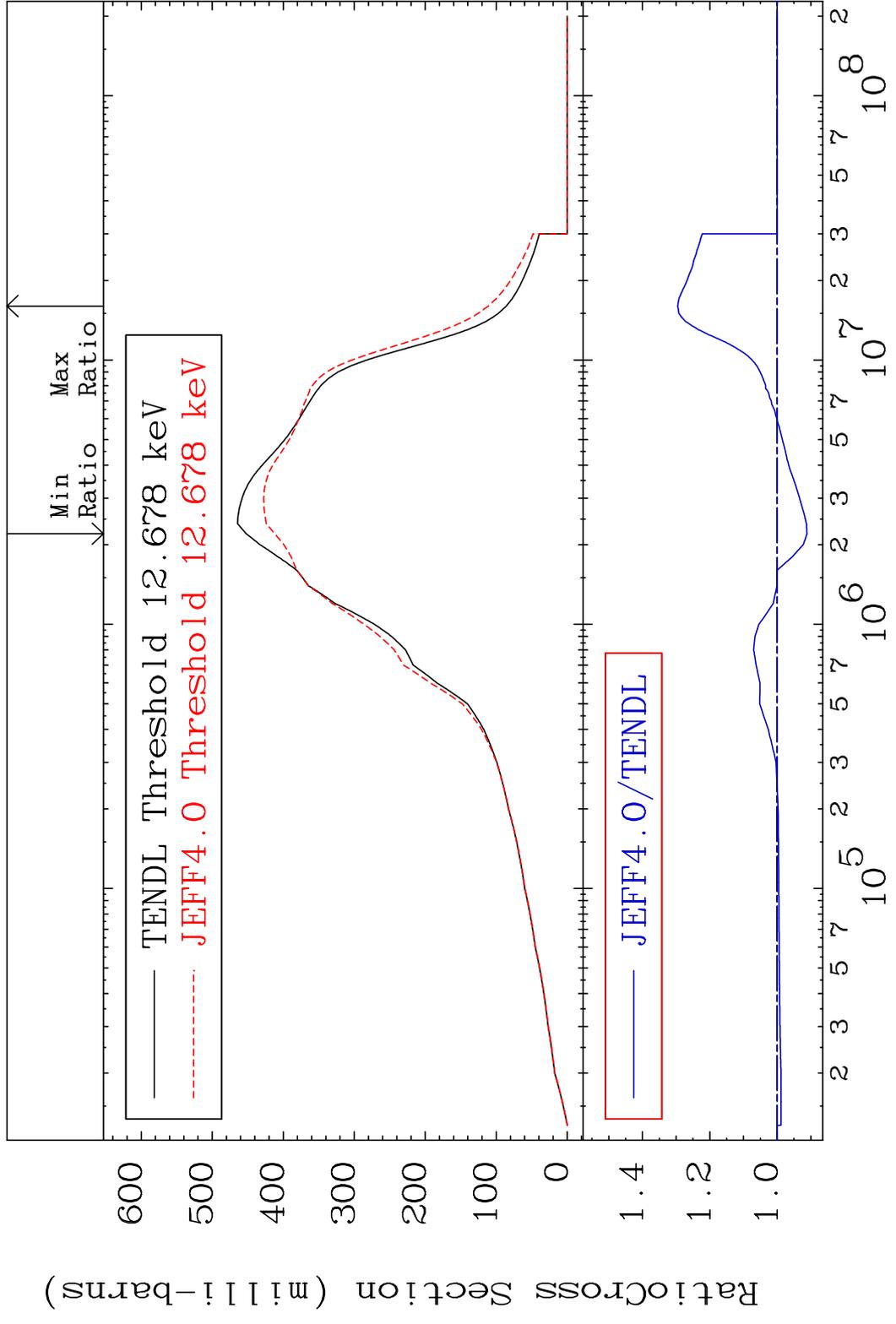
21-Sc-45

MAT 2125 Dpa disappearance (mt102 -120) 21-Sc-45
 Cross Section -21.94 To 35.05 %

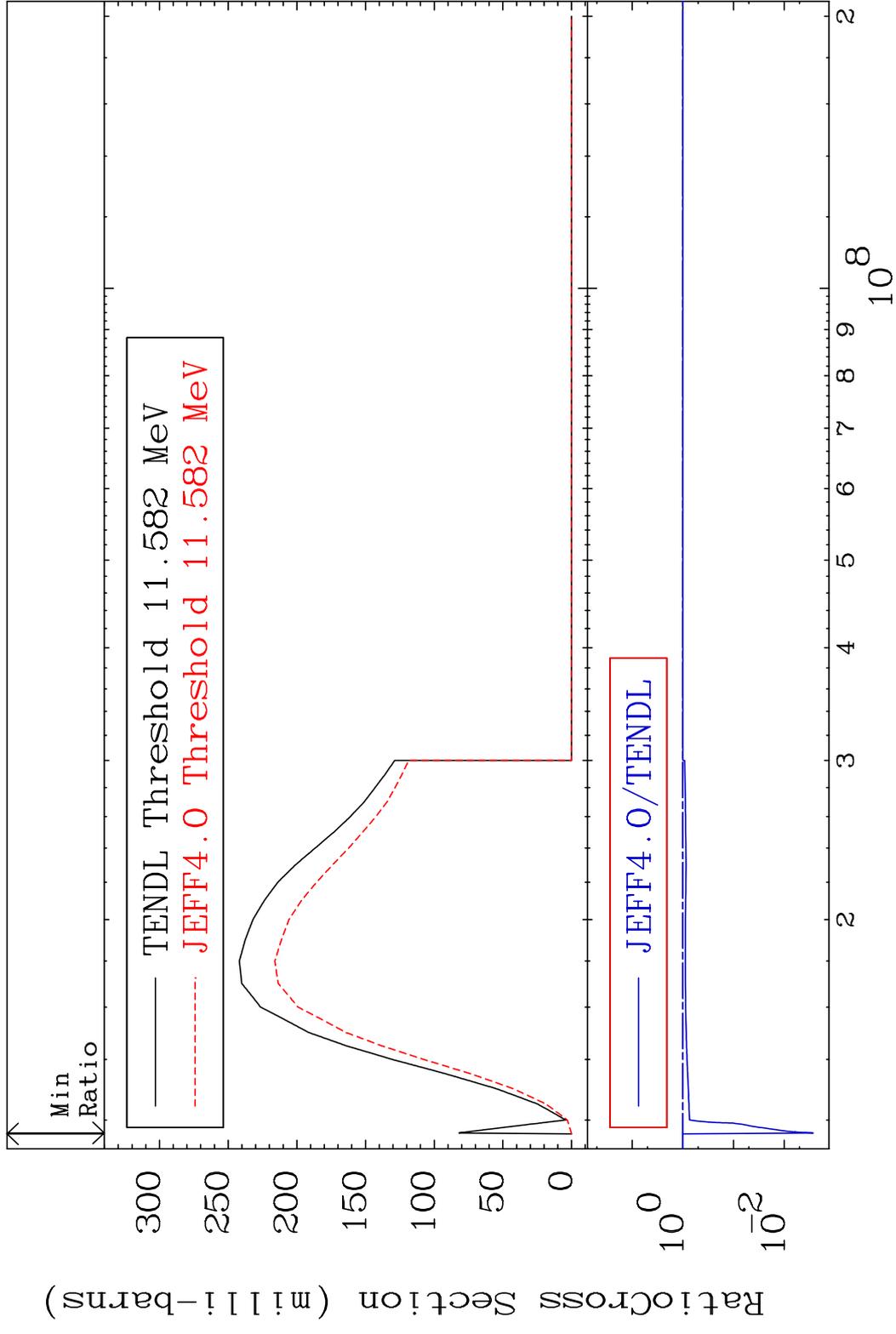


76 Incident Energy (eV) 21-Sc-45

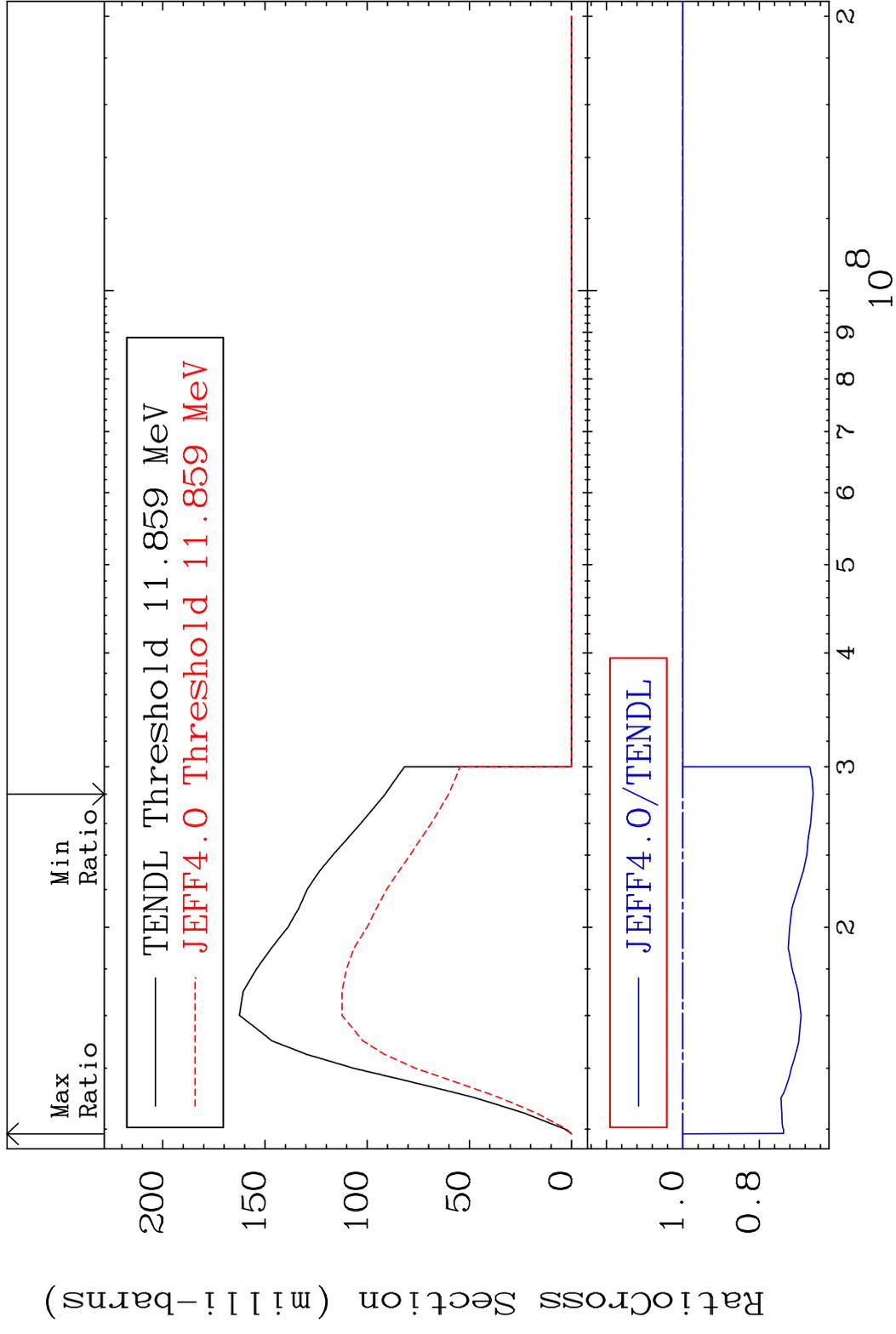




MAT 2125 (n,2n):21-Sc-44g 21-Sc-45
 Radionuclide Production Cross Section 98.73 dth 0.000 %



MAT 2125 (n,2n):21-Sc-44m4 21-Sc-45
 Radionuclide Production Cross Section 0.000 %



80 21-Sc-45

MAT 2125 (n,2α):17-C1-38g 21-Sc-45
 Radionuclide Production Cross Section 55.37 %

