

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

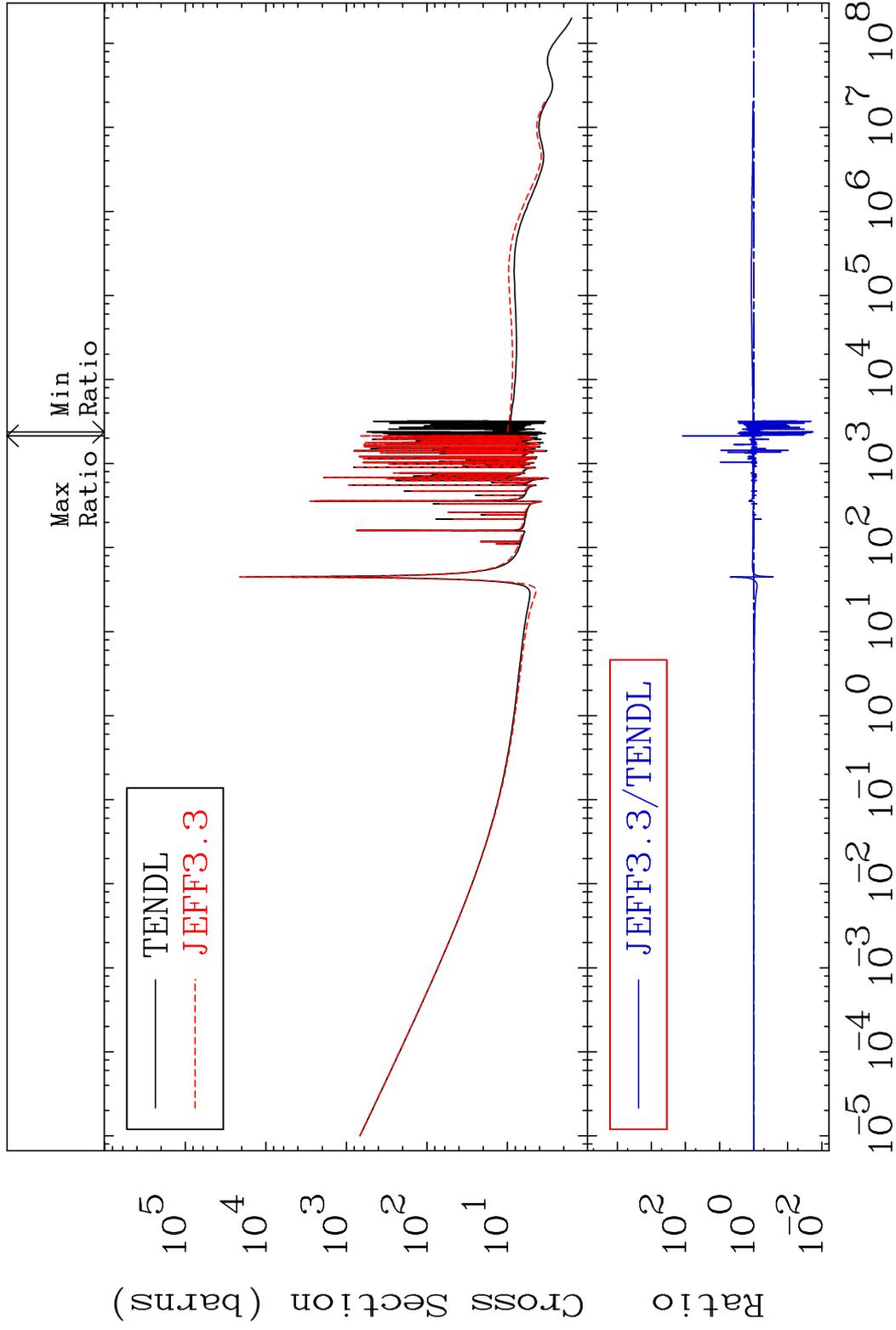
Press Mouse Button to Start

MAT 4234

Total

42-Mo-95

Cross Section -98.20 To 9999. %



1

Incident Energy (eV)

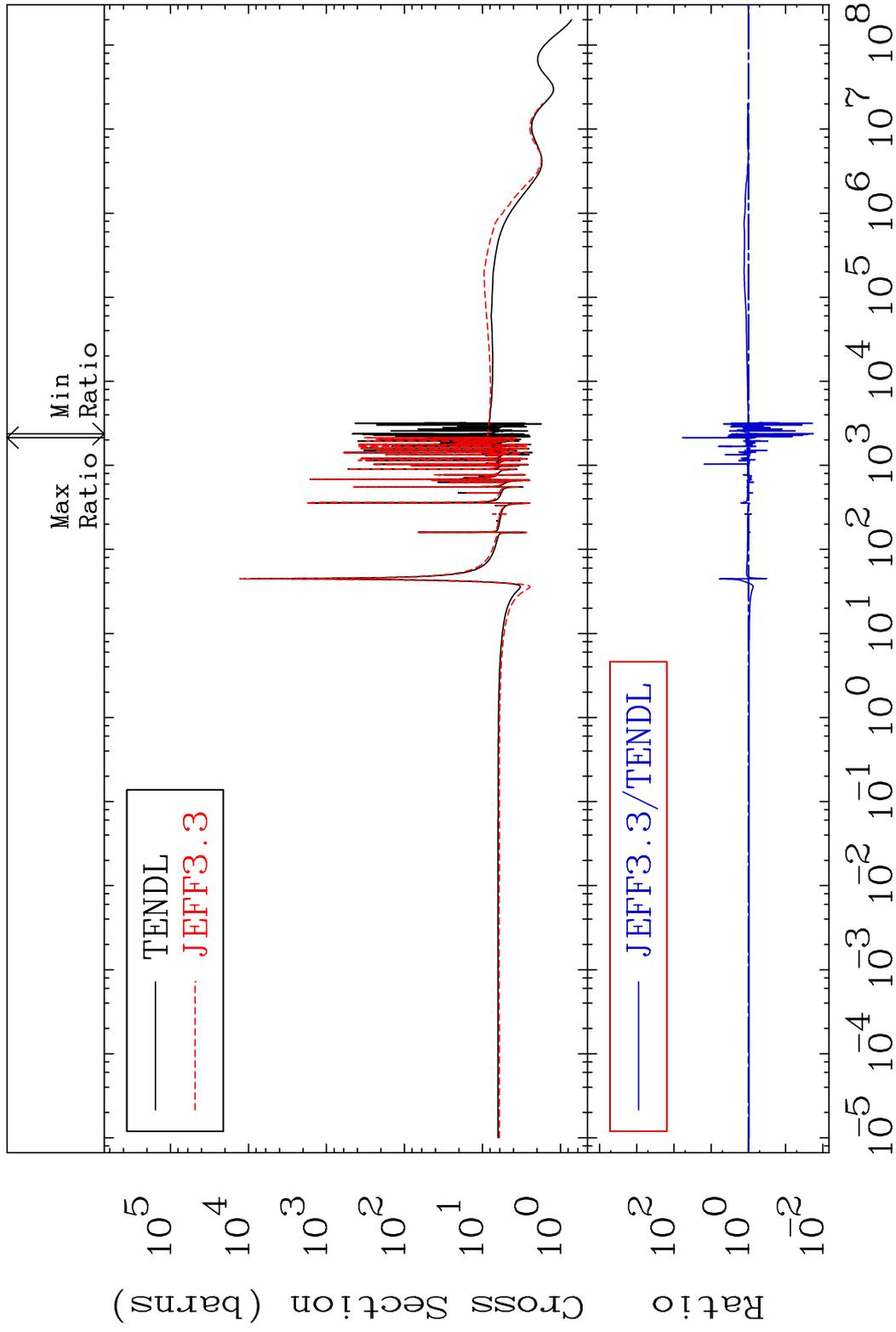
42-Mo-95

MAT 4234

Elastic

42-Mo-95

Cross Section -98.17 To 5668. %



2

Incident Energy (eV)

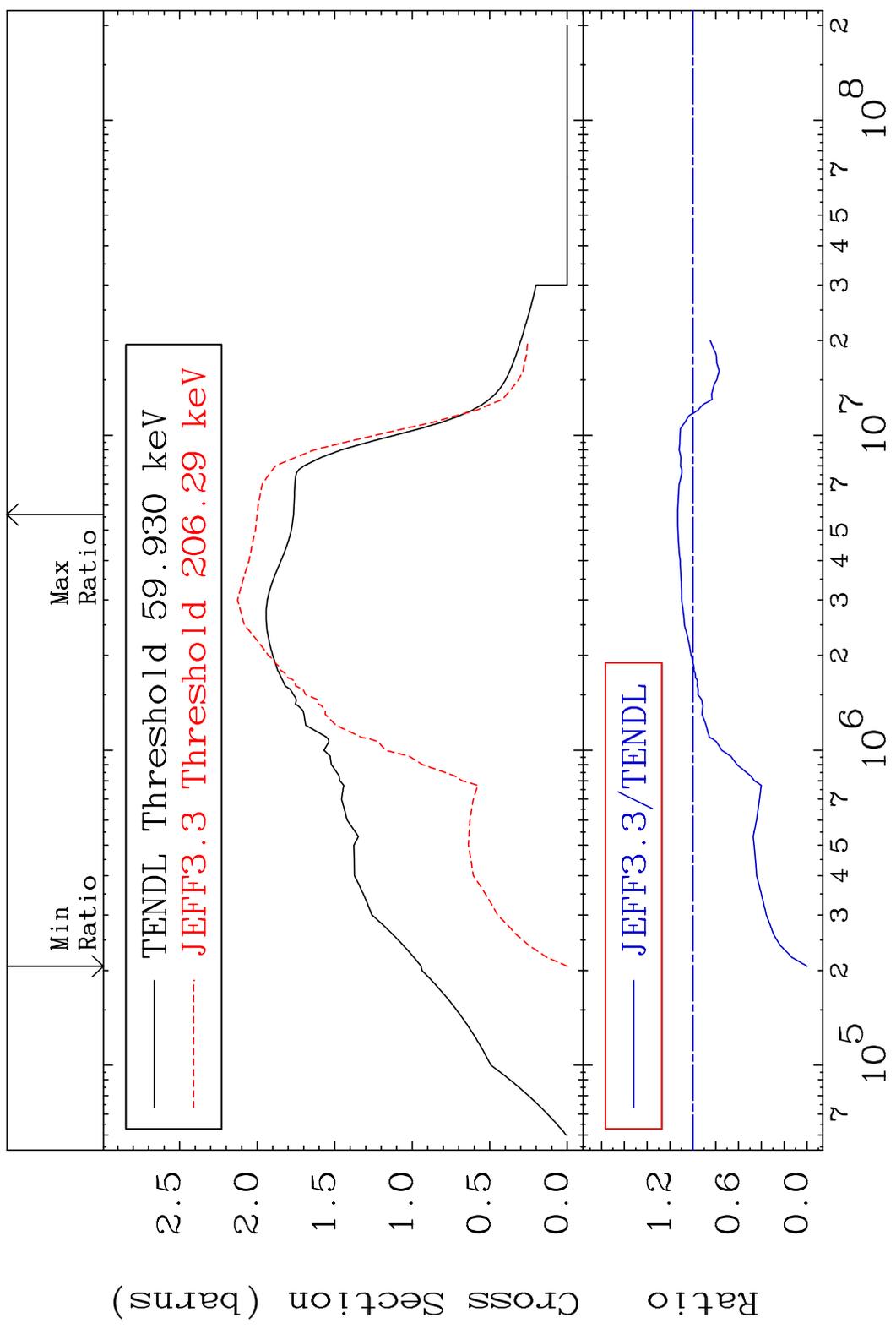
42-Mo-95

MAT 4234

Inelastic

42-Mo-95

Cross Section -100.0 To 13.28 %



3

Incident Energy (eV)

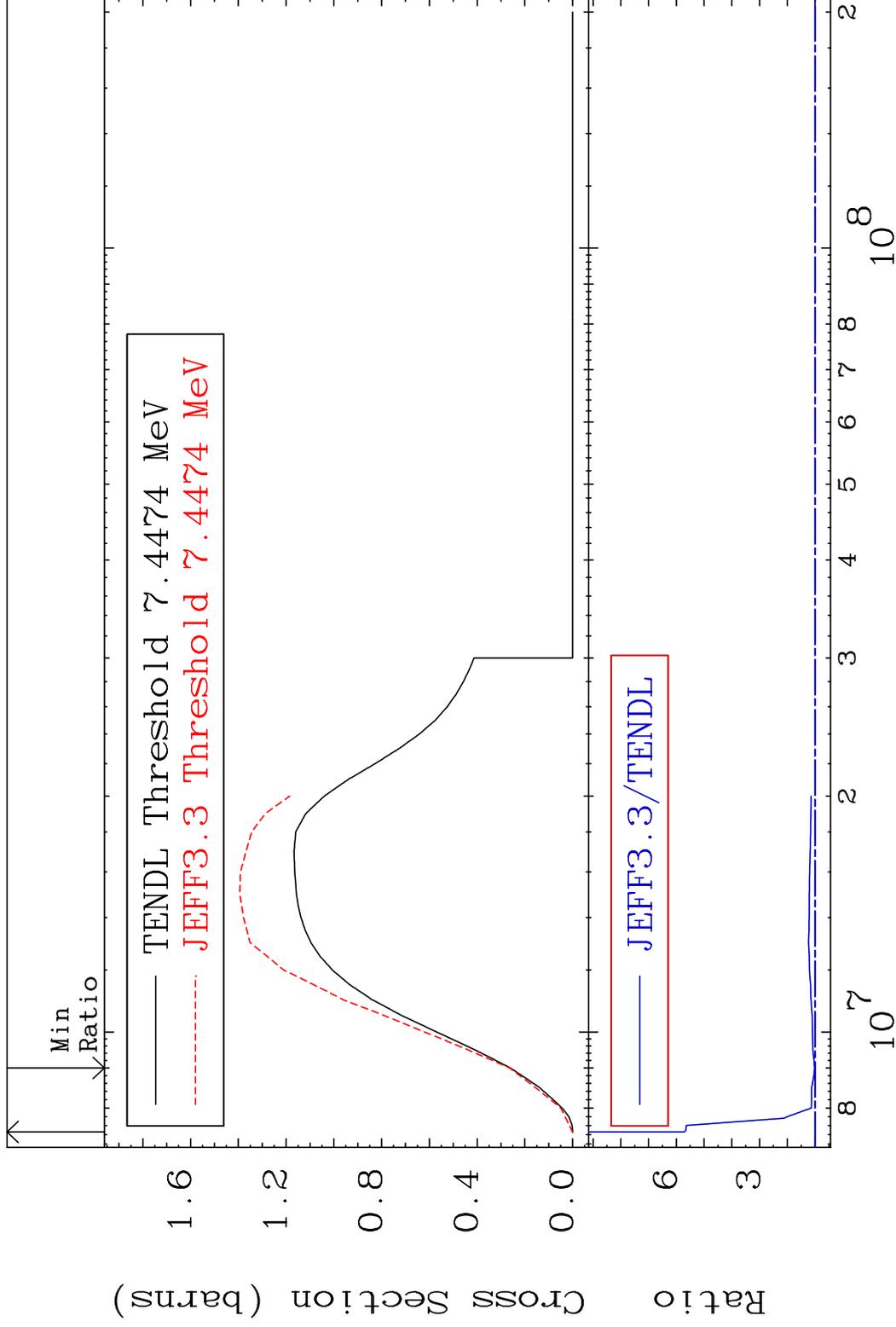
42-Mo-95

MAT 4234

(n,2n)

42-Mo-95

Cross Section 1.186 To 471.7 %



4

Incident Energy (eV)

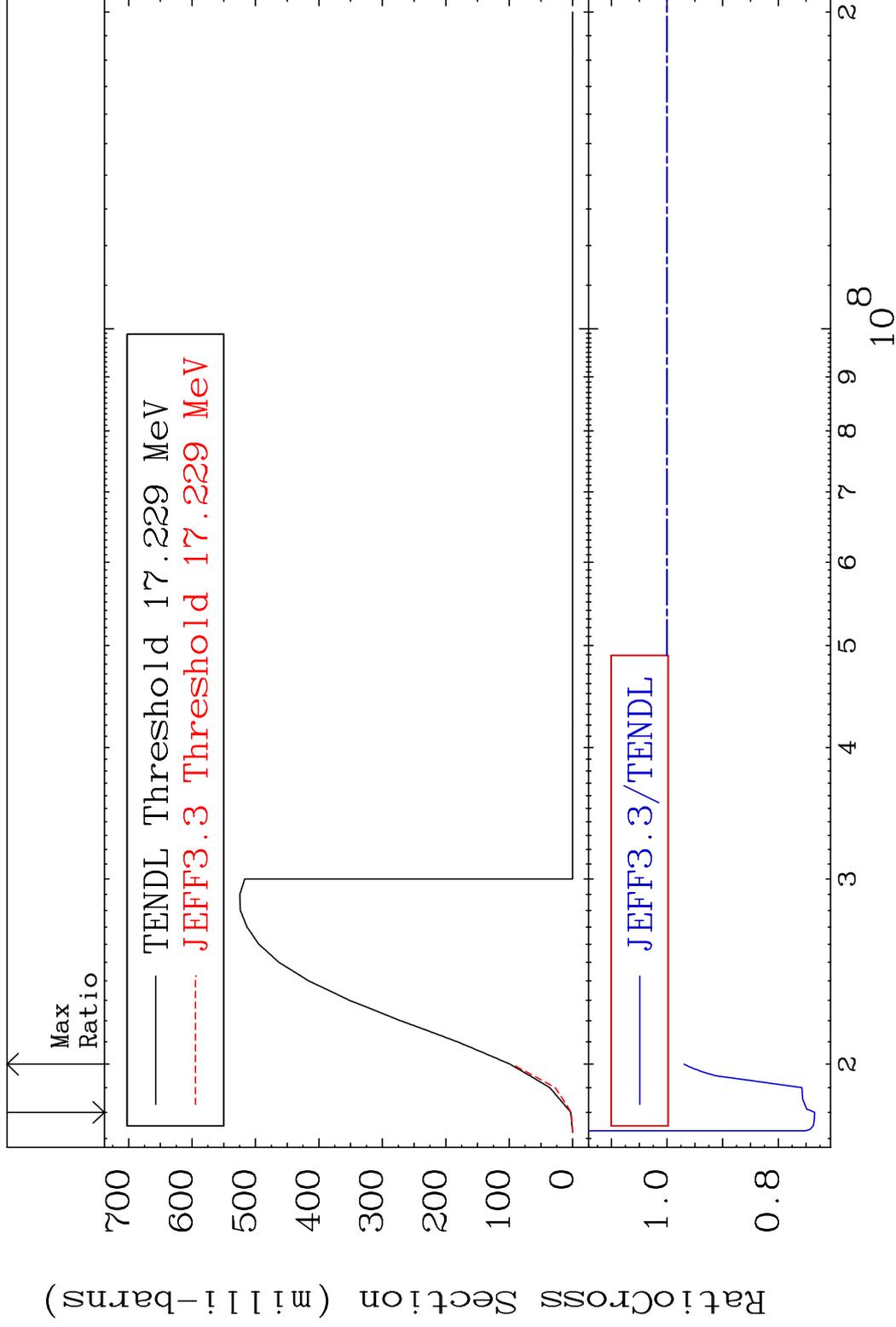
42-Mo-95

MAT 4234

(n,3n)

42-Mo-95

Cross Section -26.55 To -3.065%



5

Incident Energy (eV)

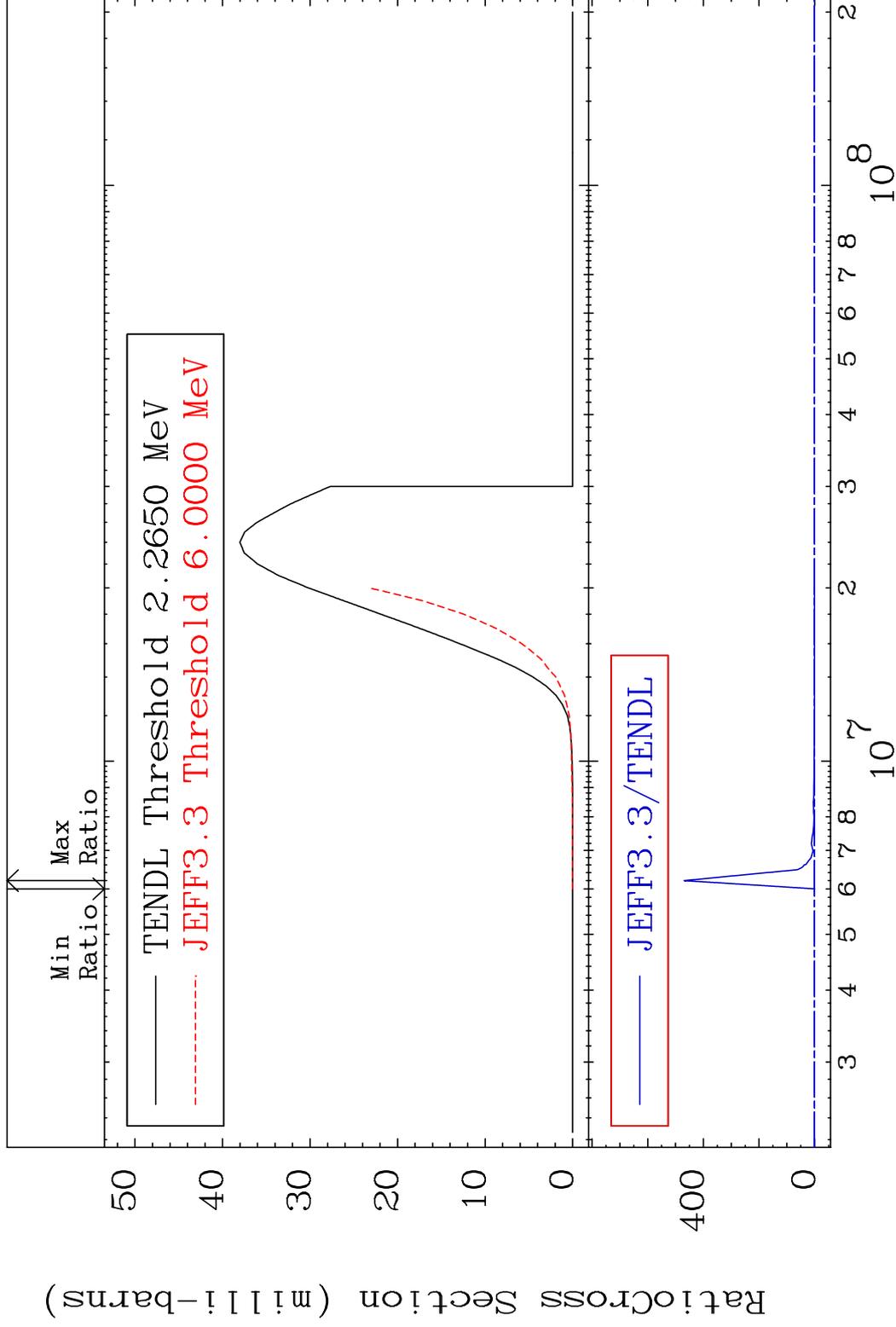
42-Mo-95

MAT 4234

(n, n')  $\alpha$

42-Mo-95

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

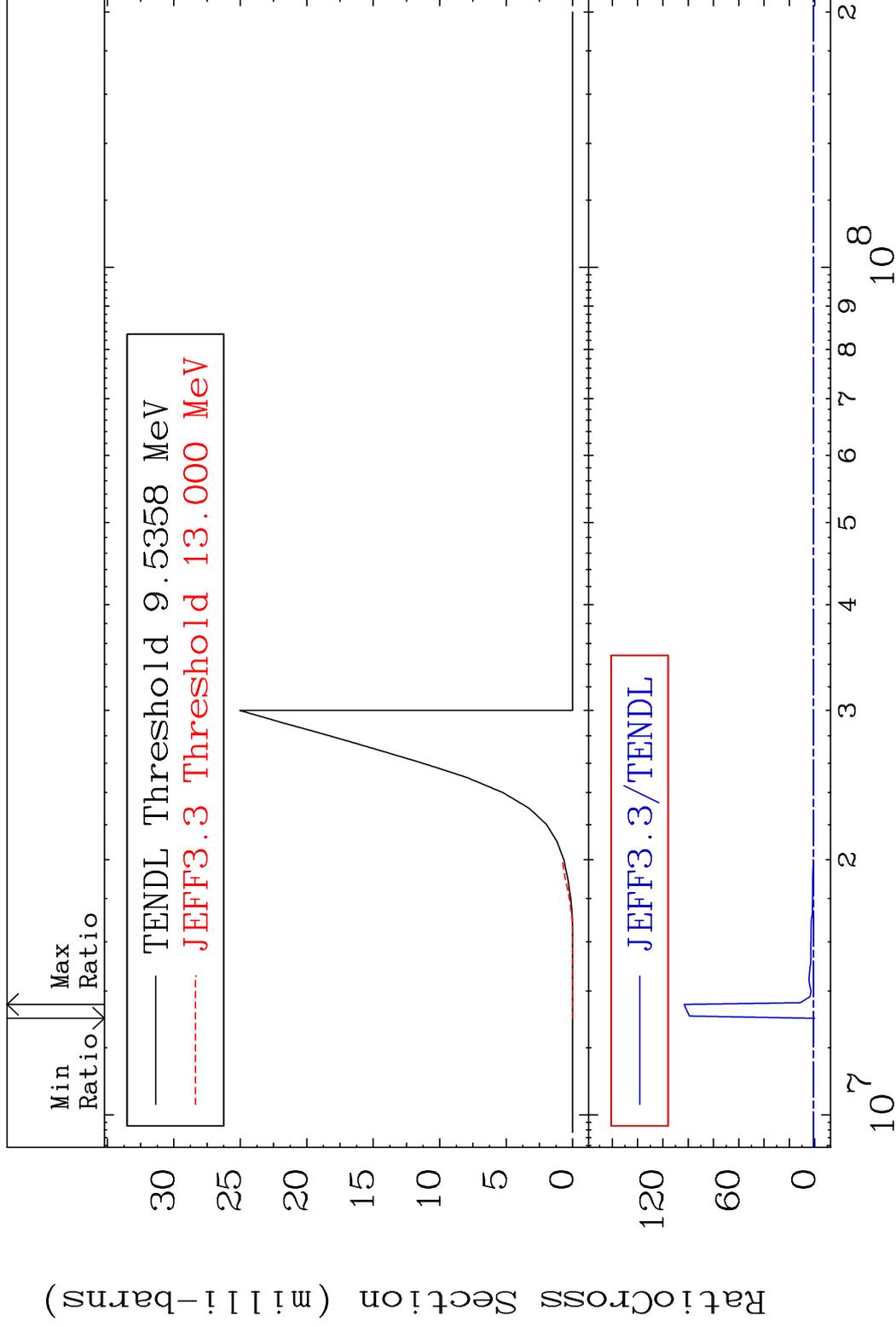
42-Mo-95

MAT 4234

(n,2n)  $\alpha$

42-Mo-95

Cross Section -100.0 To 9999. %



7

Incident Energy (eV)

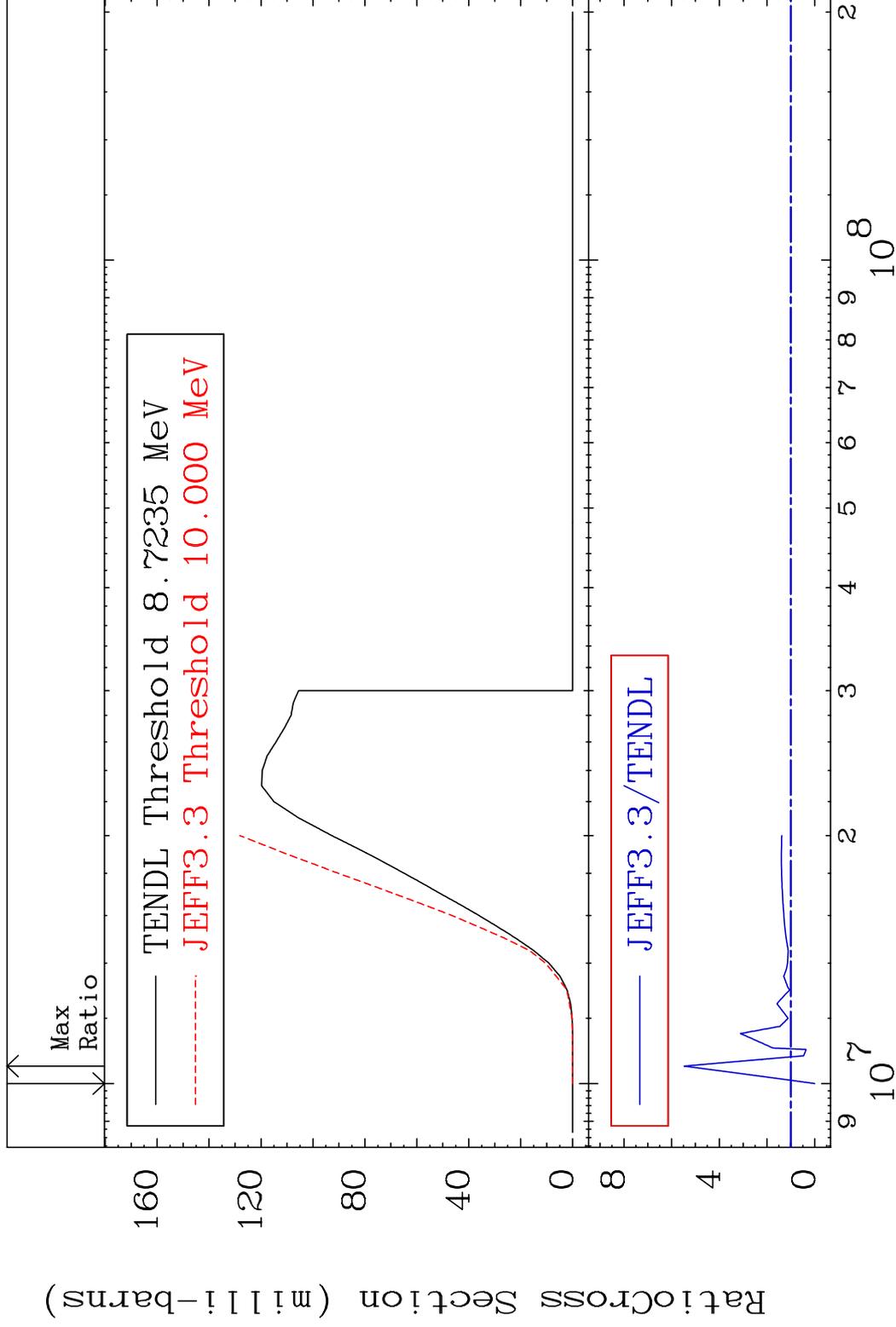
42-Mo-95

MAT 4234

(n, n') p

42-Mo-95

Cross Section -100.0 To 447.5 %



8

Incident Energy (eV)

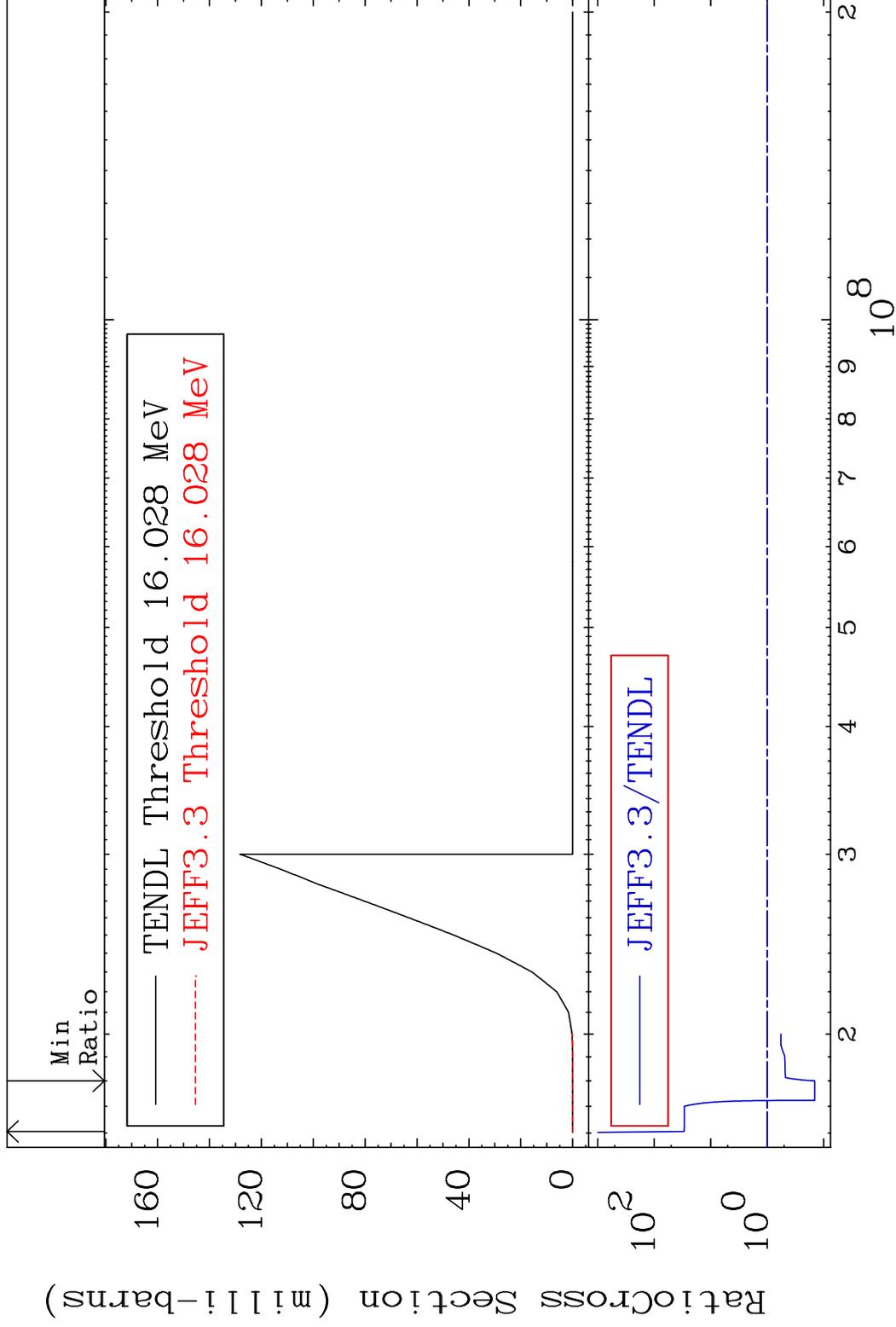
42-Mo-95

MAT 4234

(n,2n) p

42-Mo-95

Cross Section -85.57 To 2848. %

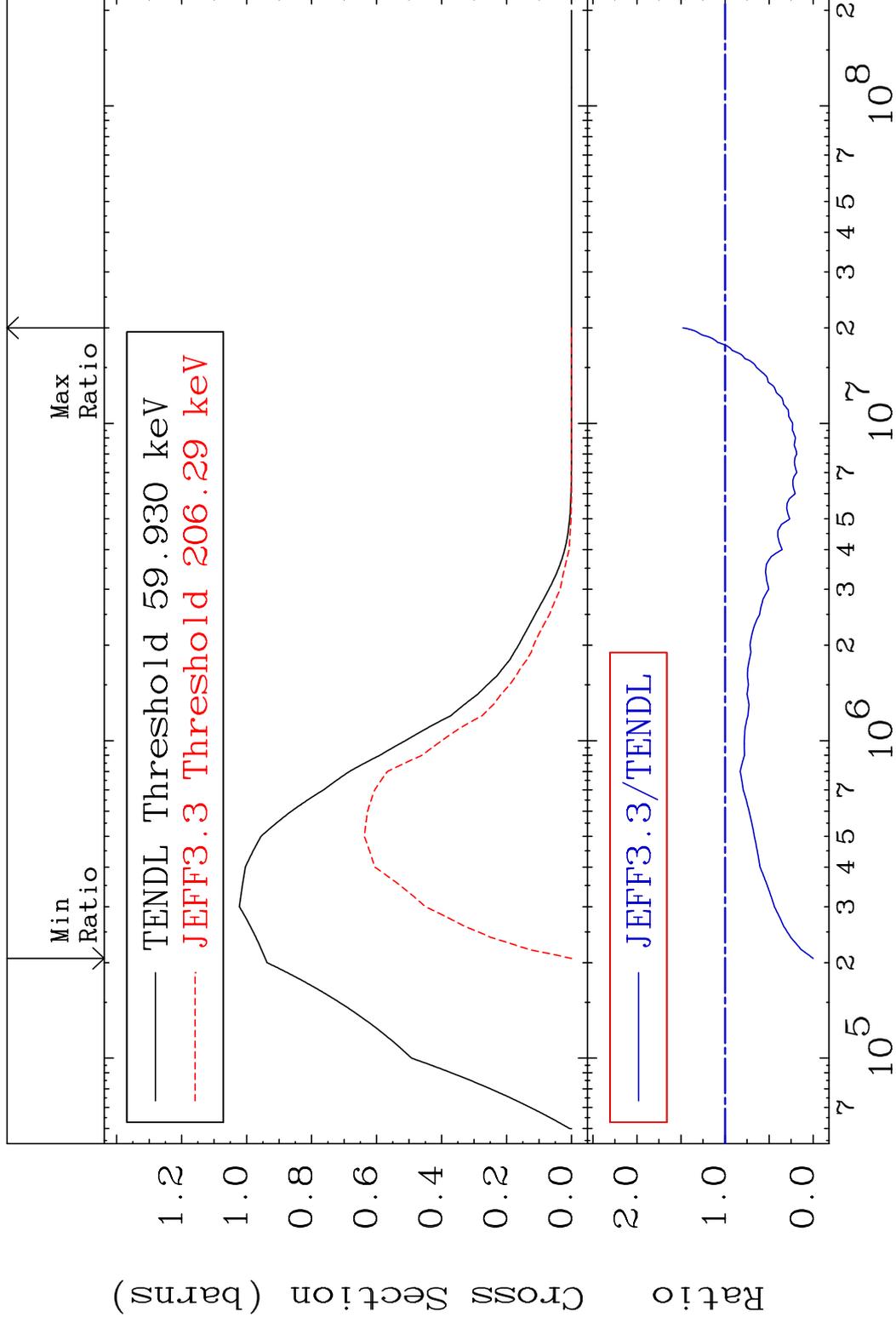


MAT 4234

MT= 51 (n, n') Level

42-Mo-95

Cross Section -100.0 To 47.92 %

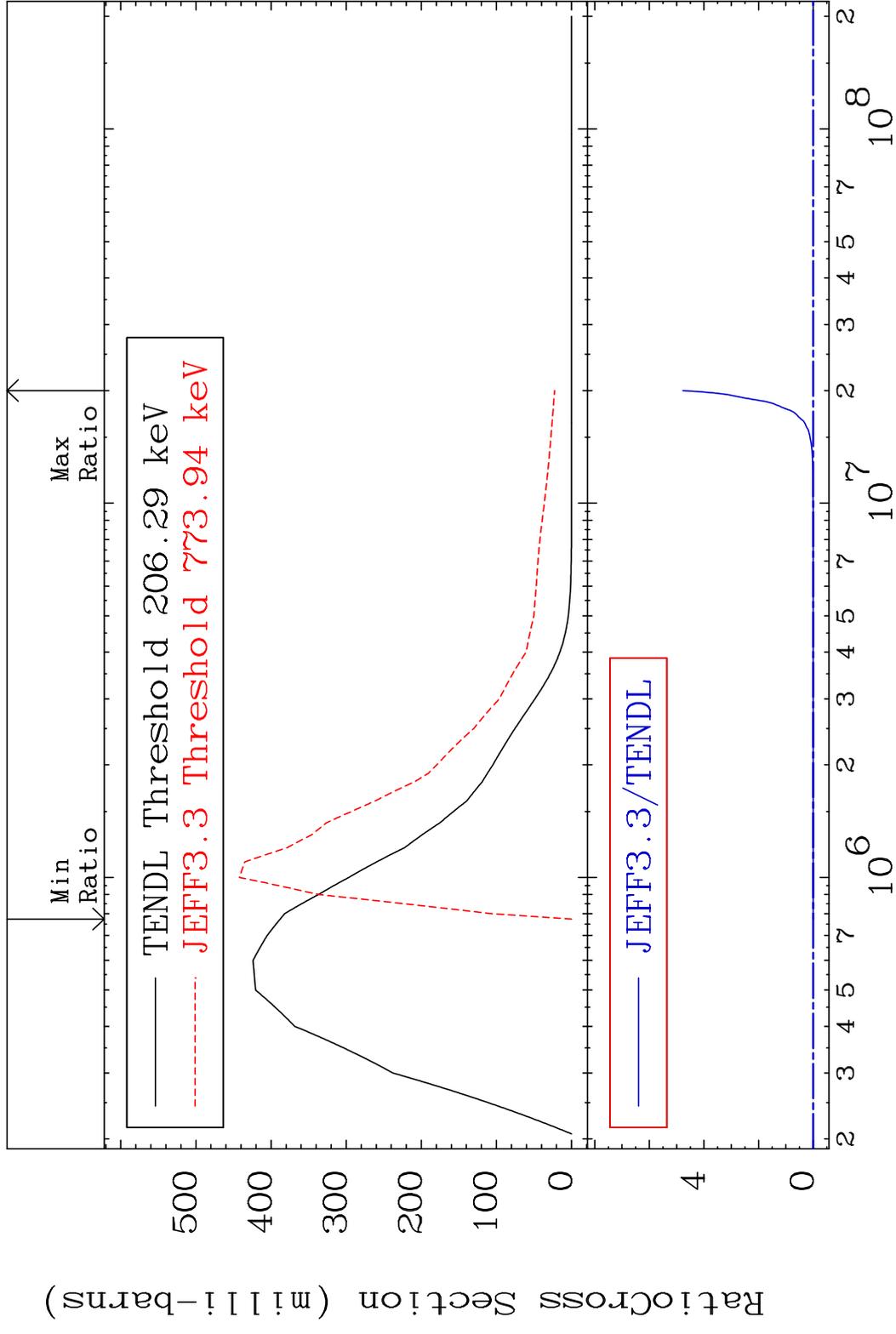


10

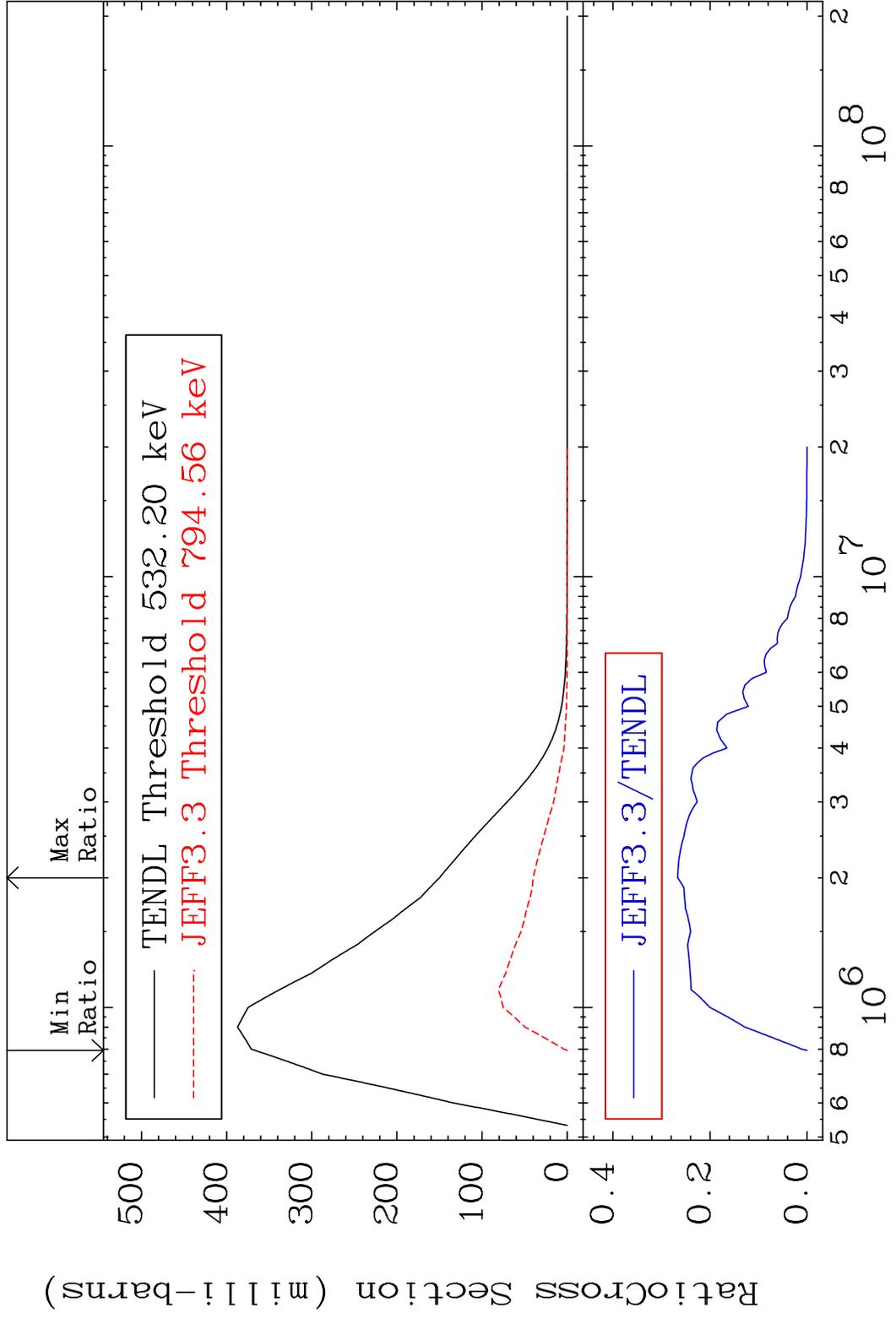
Incident Energy (eV)

42-Mo-95

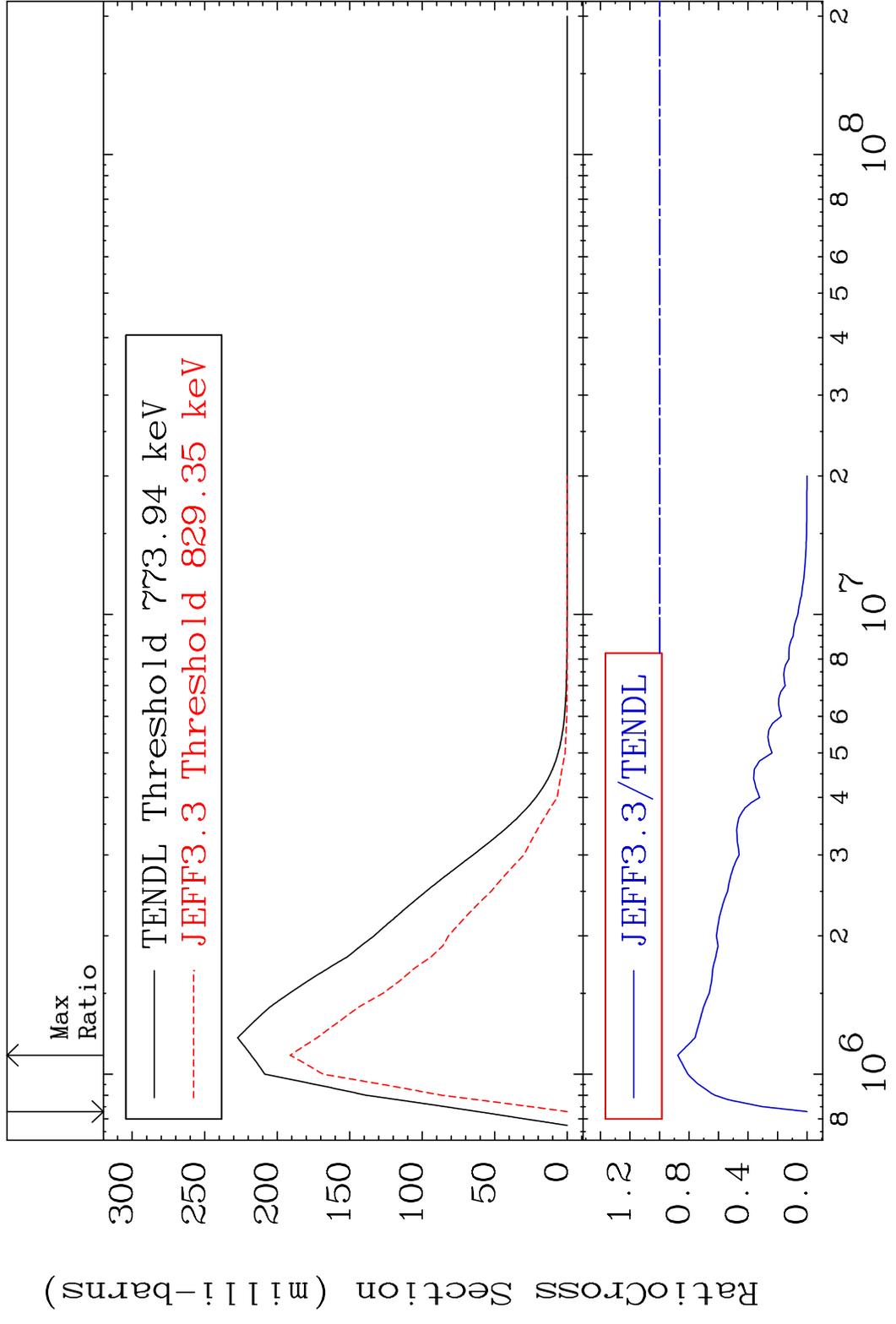
MAT 4234 MT= 52 (n,n') Level 42-Mo-95  
 Cross Section -100.0 To 9999. %



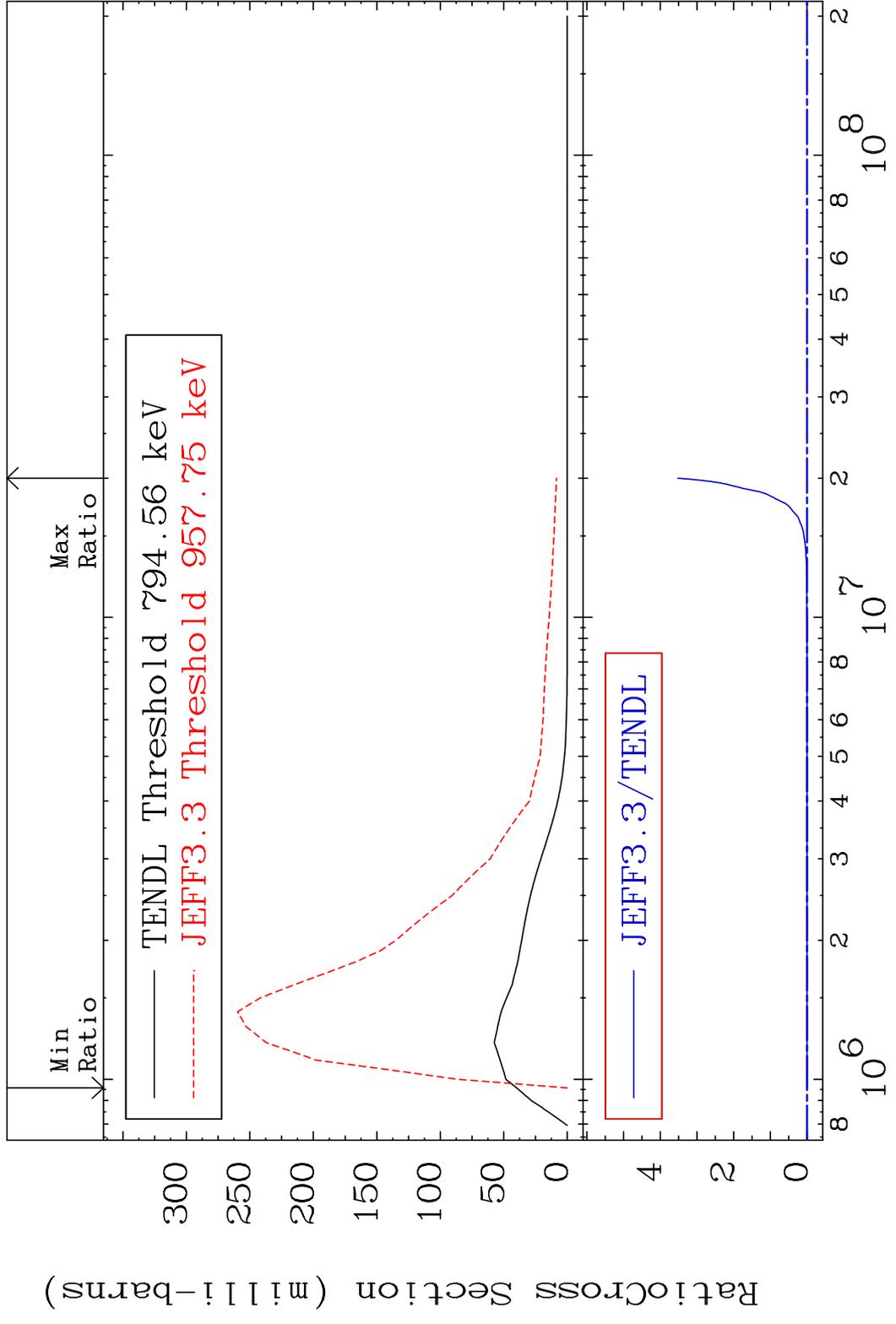
MAT 4234 MT= 53 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To -73.34%



MAT 4234 MT= 54 (n,n') Level 42-Mo-95  
 Cross Section -100.0 To -12.32%

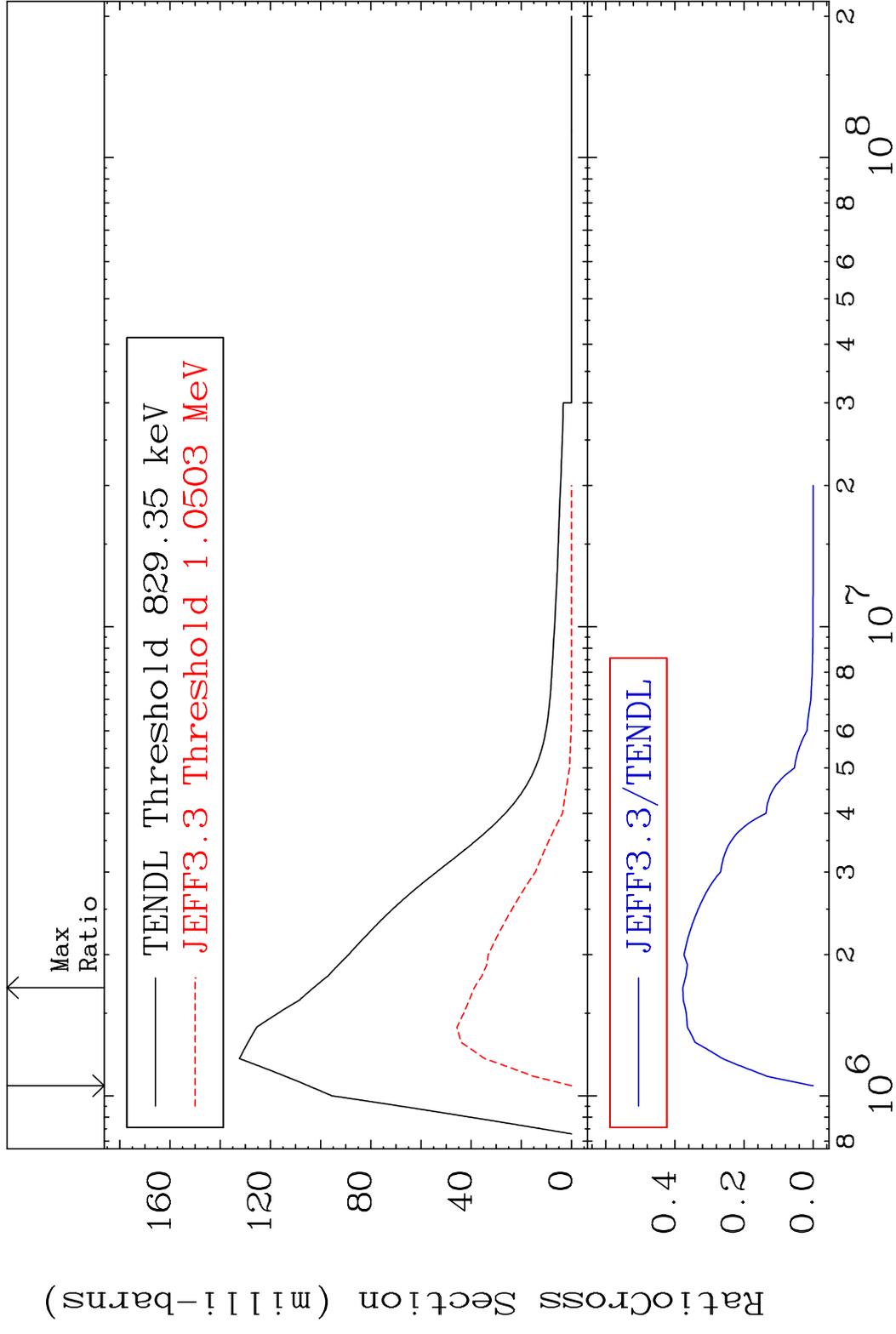


MAT 4234 MT= 55 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To 9999. %



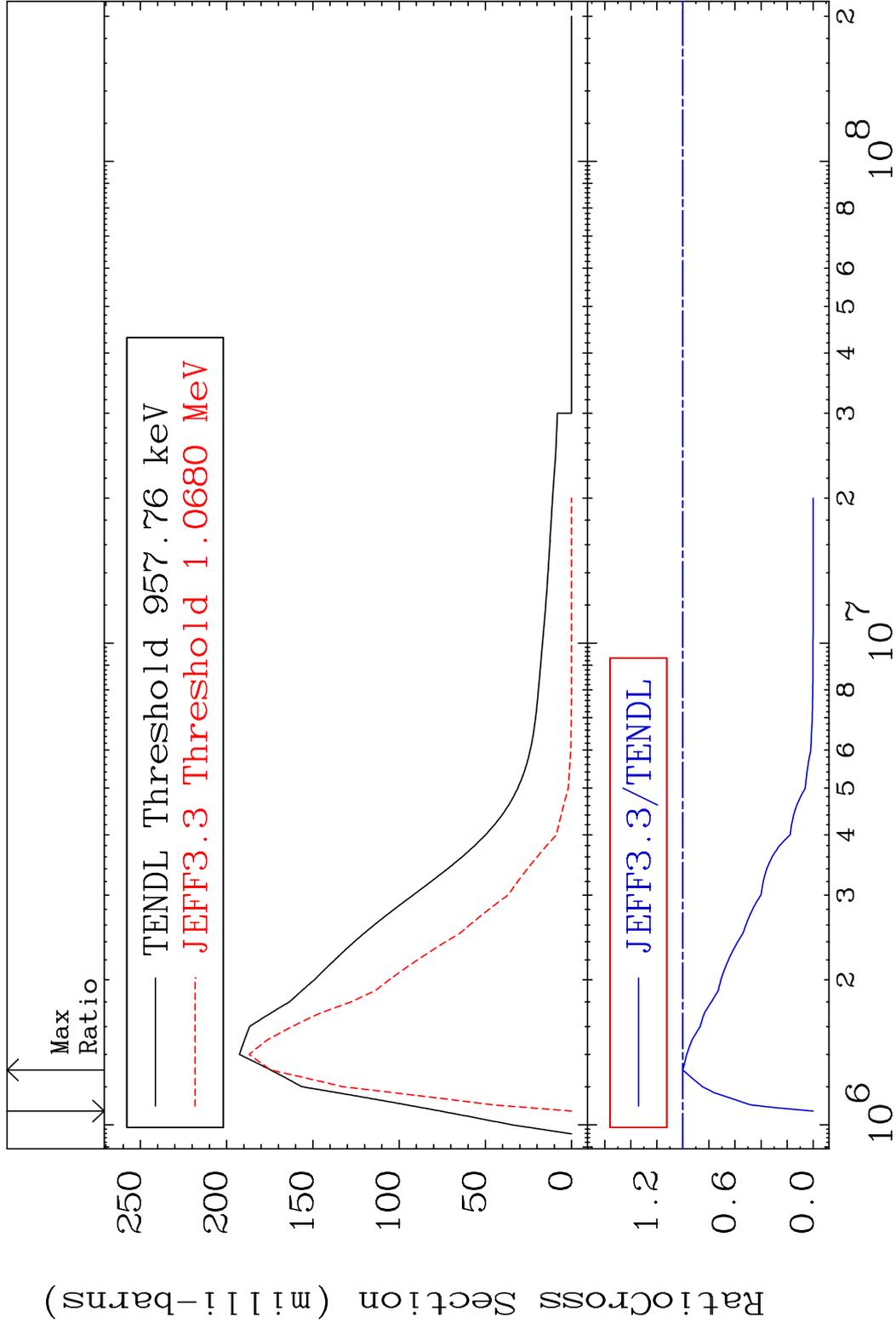
14 Incident Energy (eV) 42-Mo-95

MAT 4234 MT= 56 (n,n') Level 42-Mo-95  
 Cross Section -100.0 To -62.29%



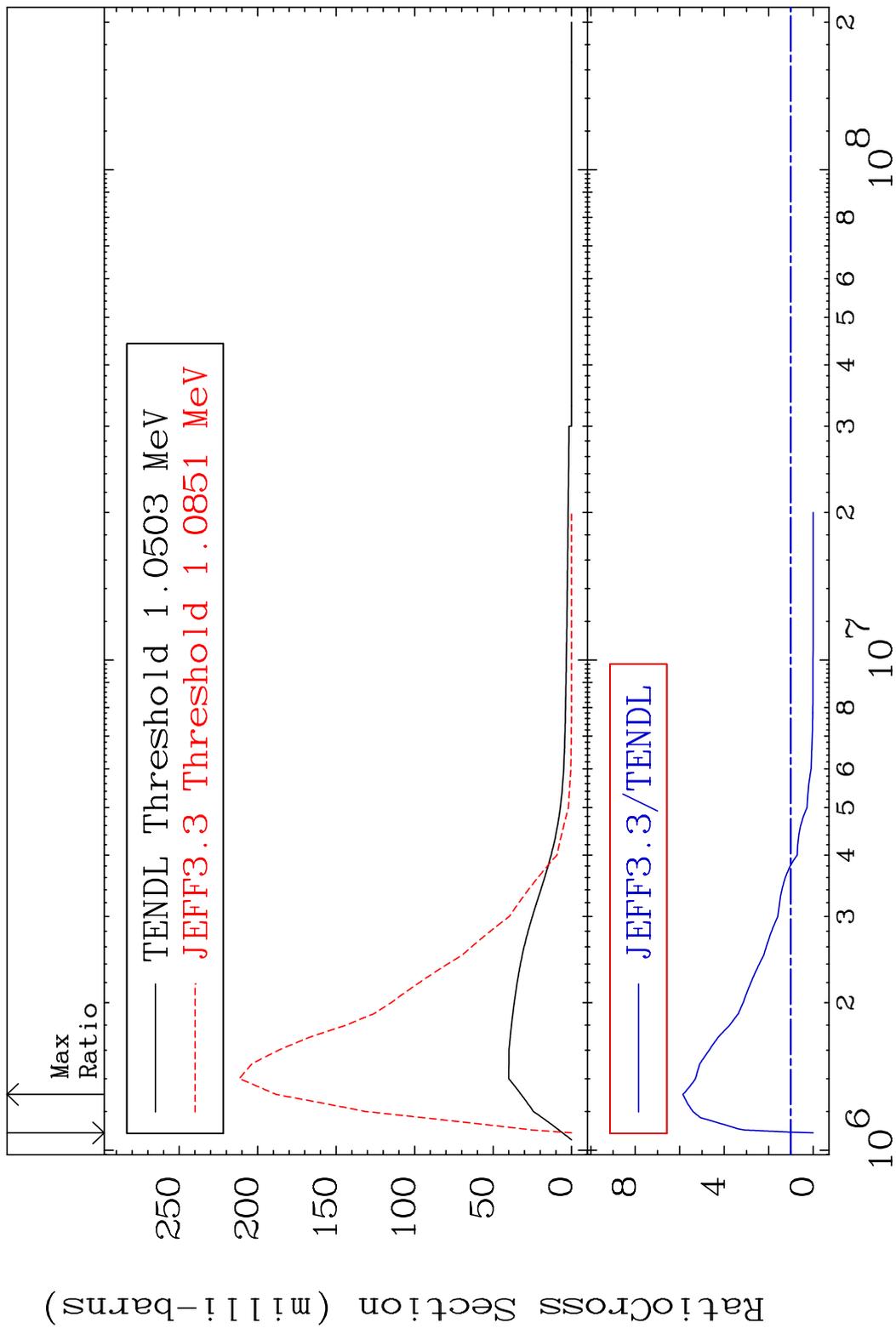
15 Incident Energy (eV) 42-Mo-95

MAT 4234 MT= 57 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To 0.045 %



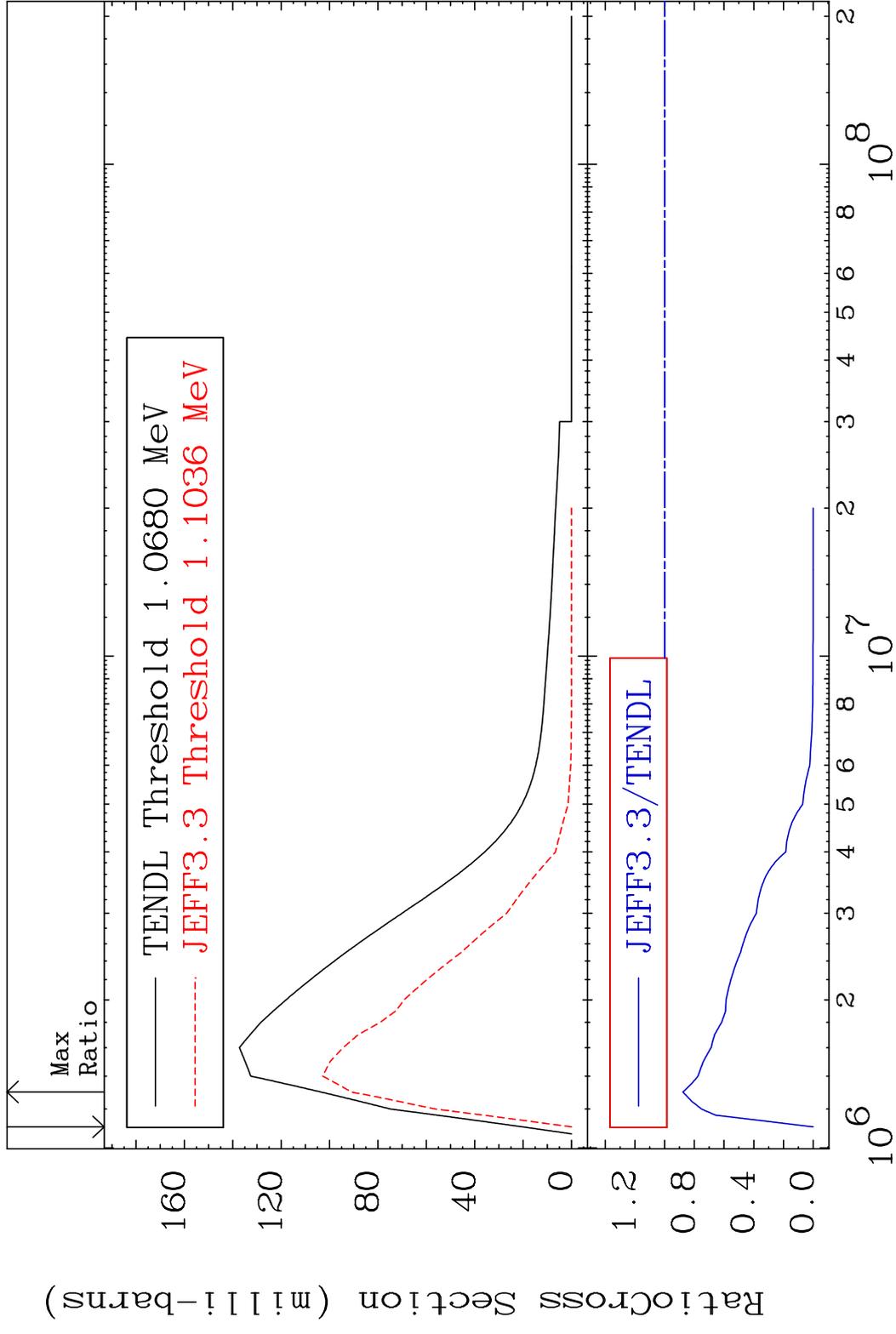
16 Incident Energy (eV) 42-Mo-95

MAT 4234 MT= 58 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To 486.1 %

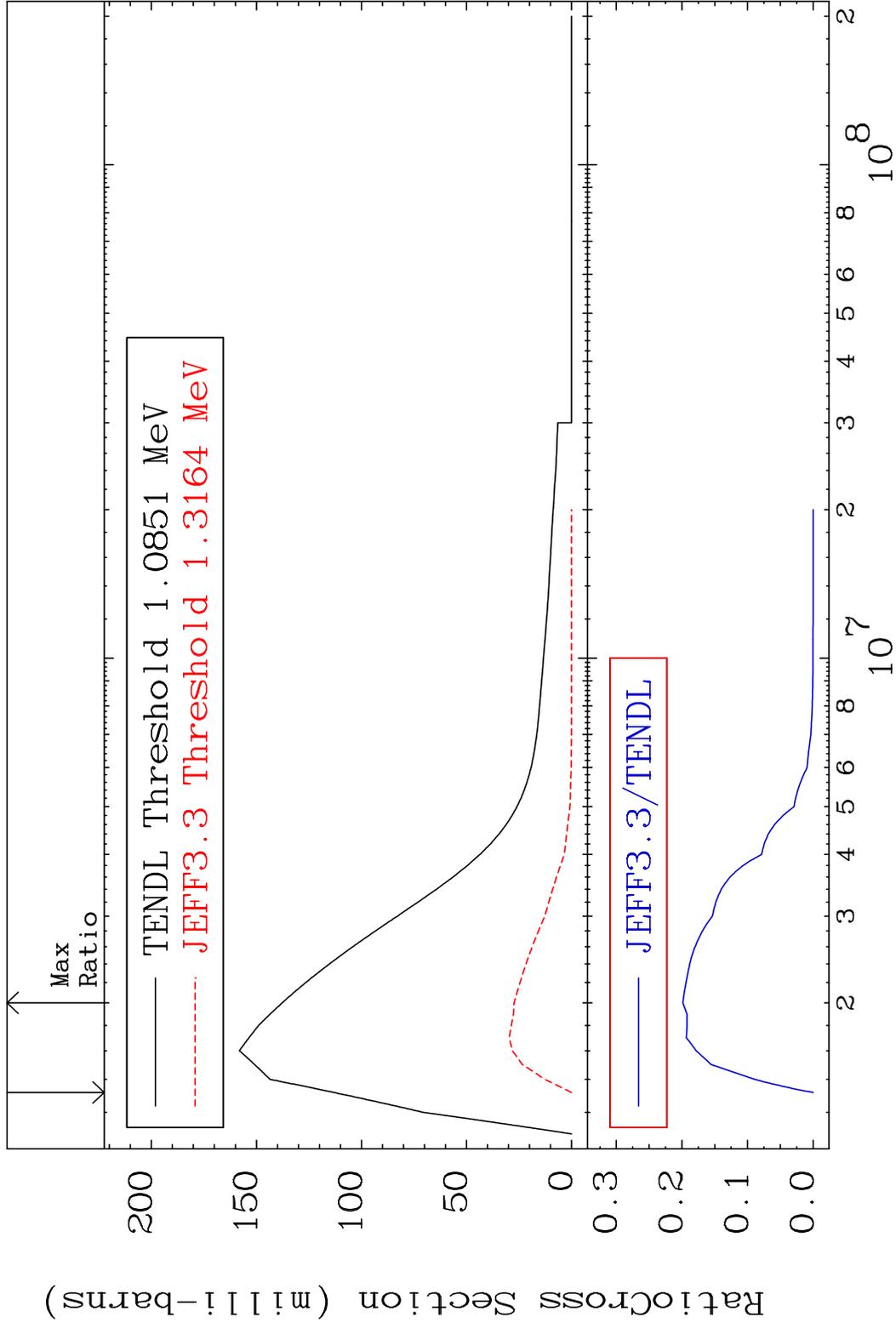


17 Incident Energy (eV) 42-Mo-95

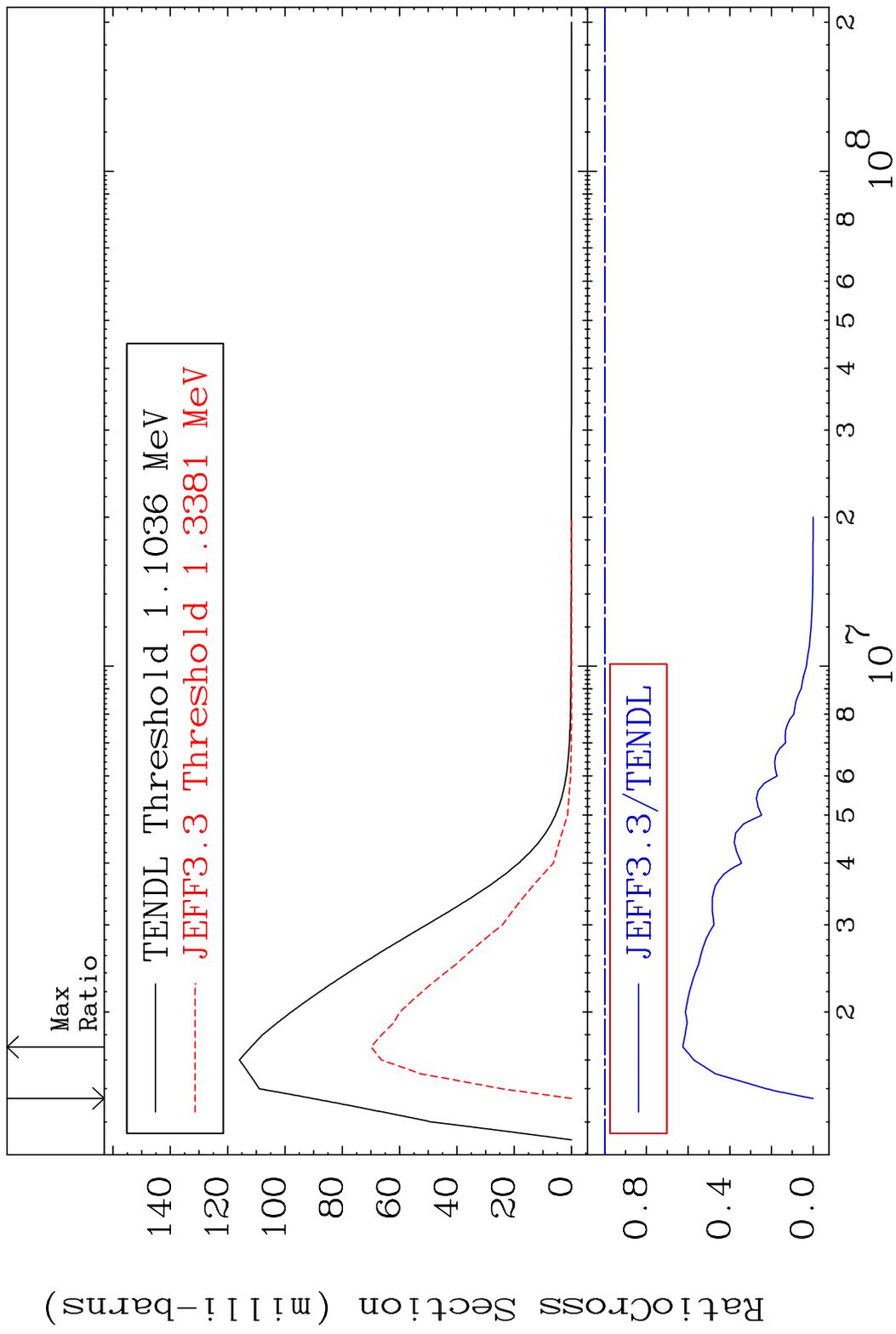
MAT 4234 MT= 59 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To -12.25%



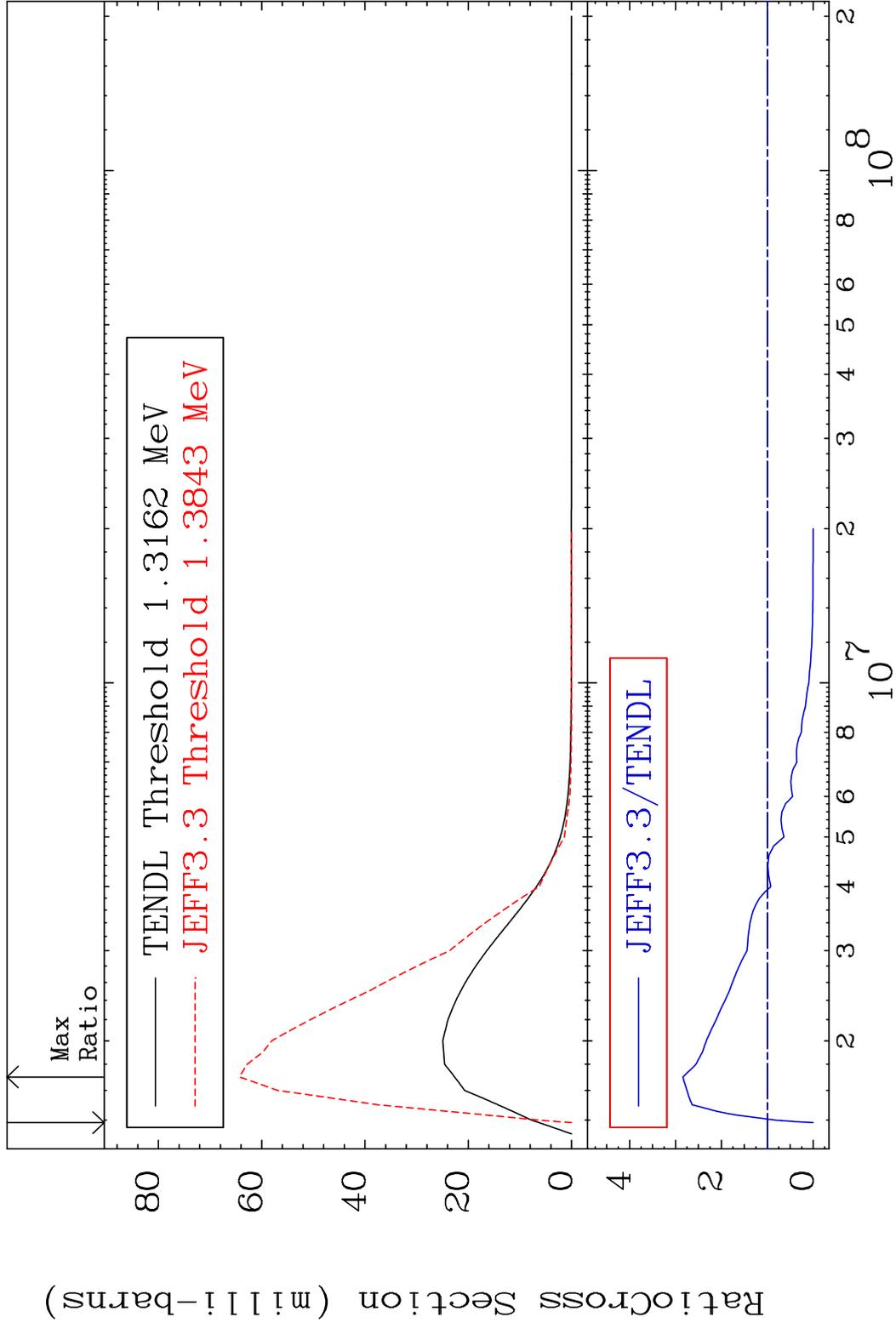
MAT 4234 MT= 60 (n,n') Level 42-Mo-95  
 Cross Section -100.0 To -80.14%



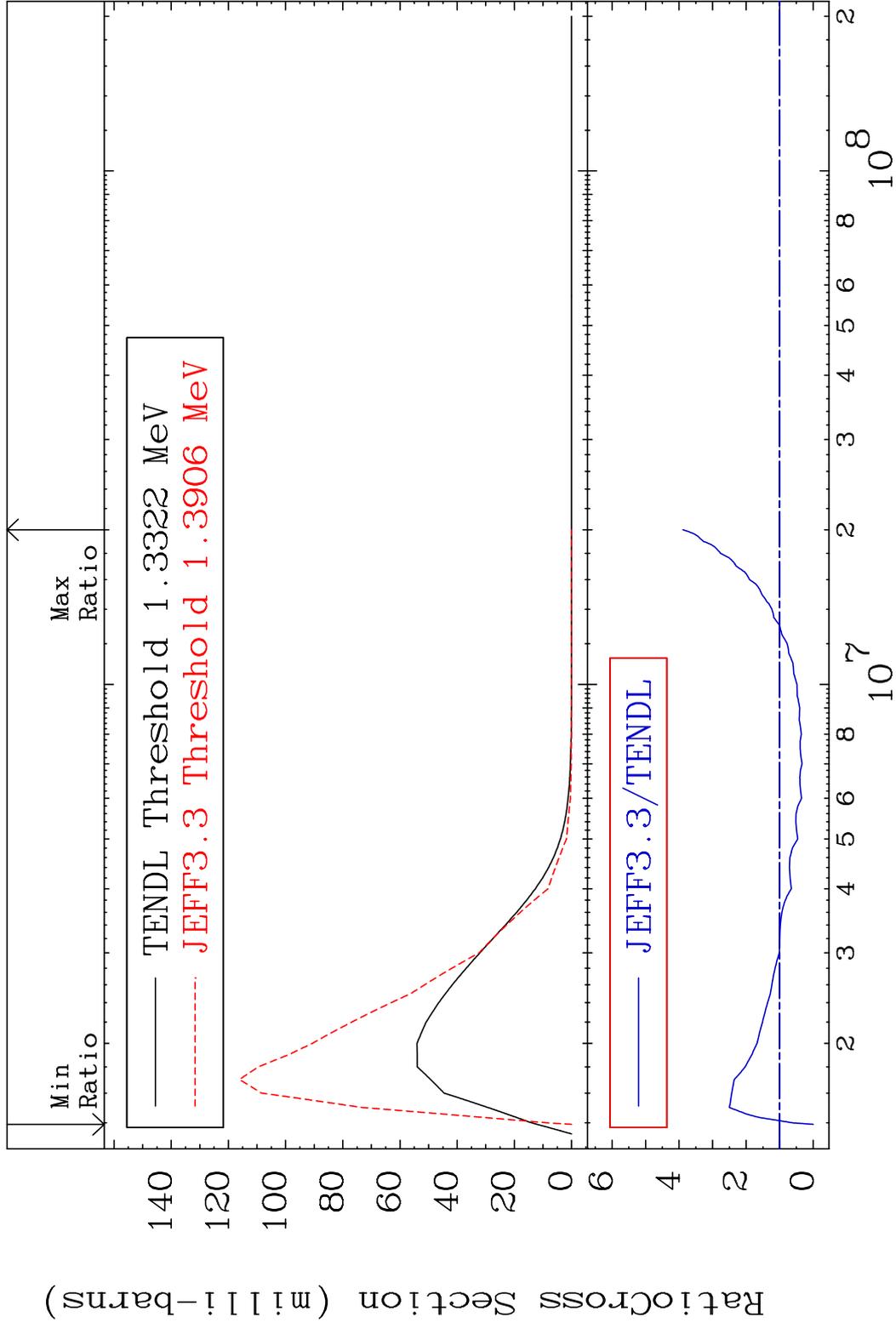
MAT 4234 MT= 61 (n,n') Level 42-Mo-95  
 Cross Section -100.0 To -37.47%



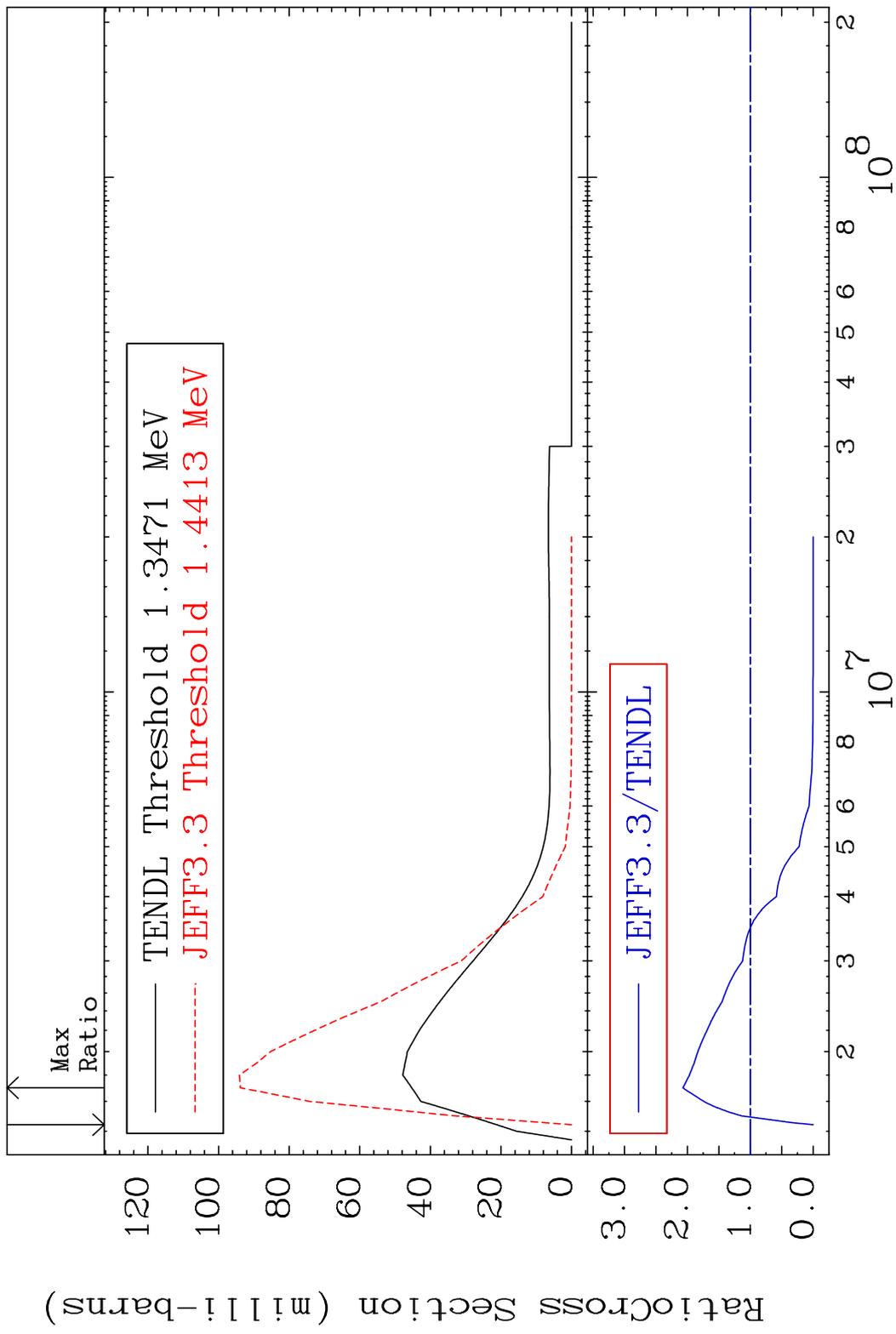
MAT 4234 MT= 62 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To 184.1 %



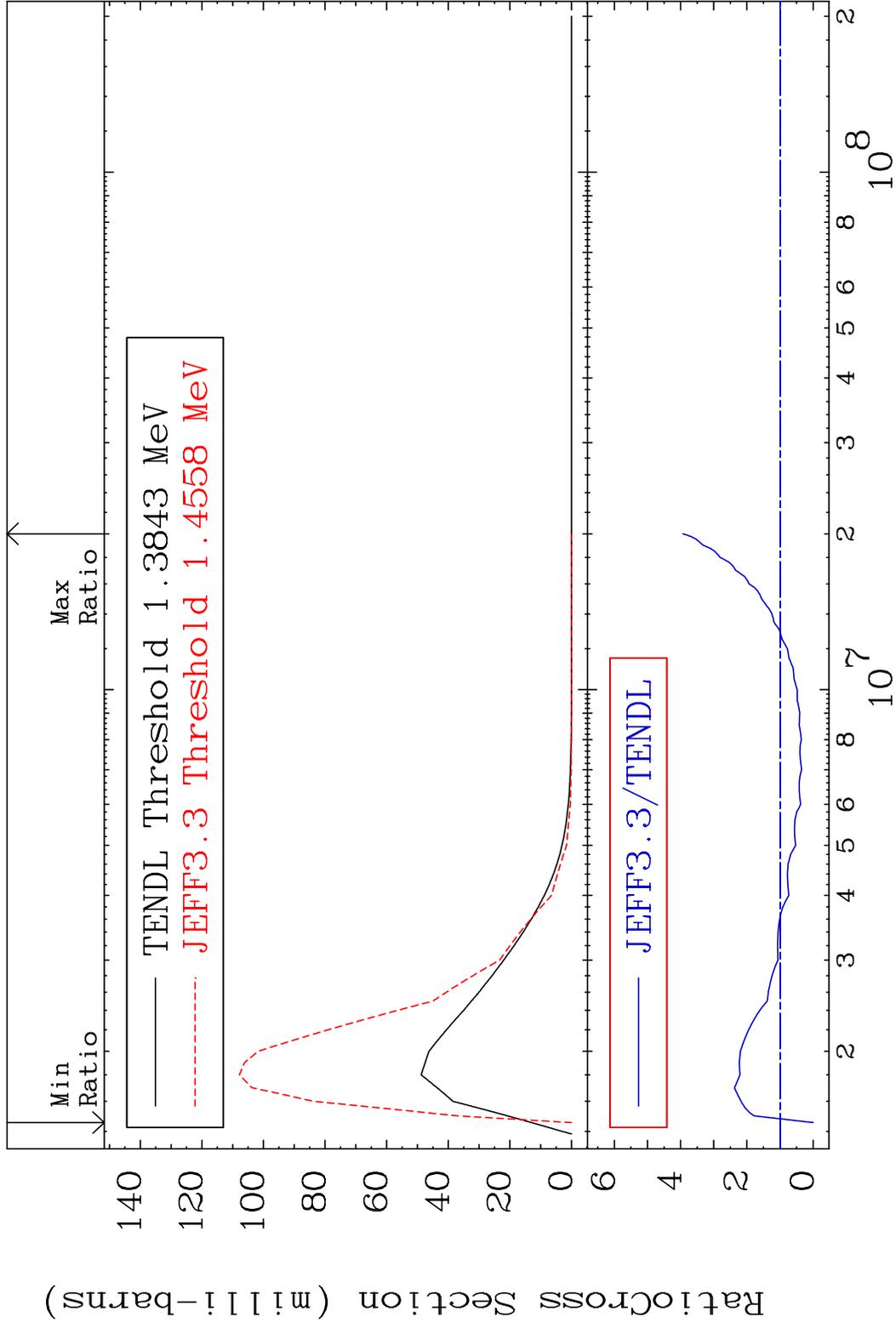
MAT 4234 MT= 63 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To 288.8 %



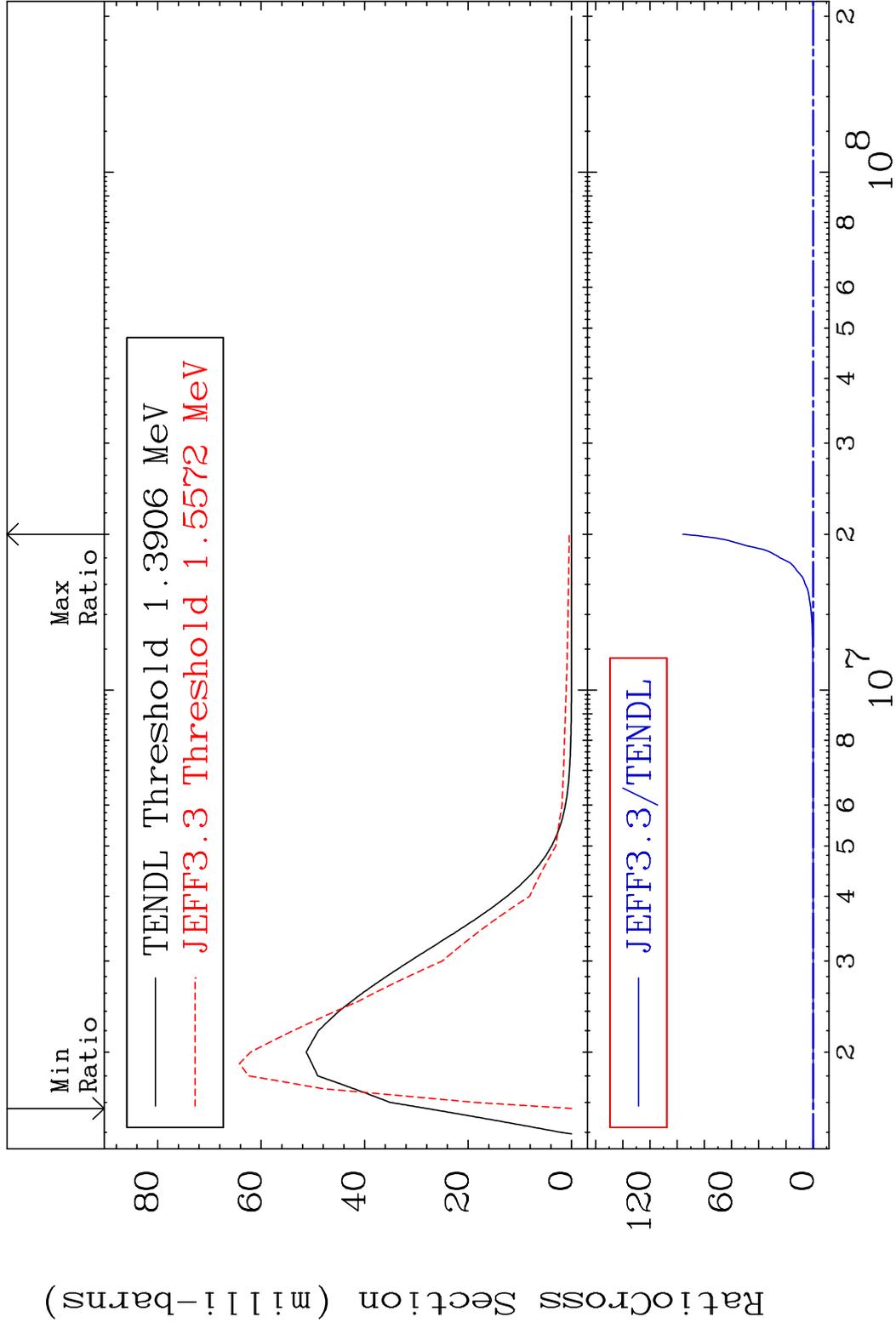
MAT 4234 MT= 64 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To 107.3 %



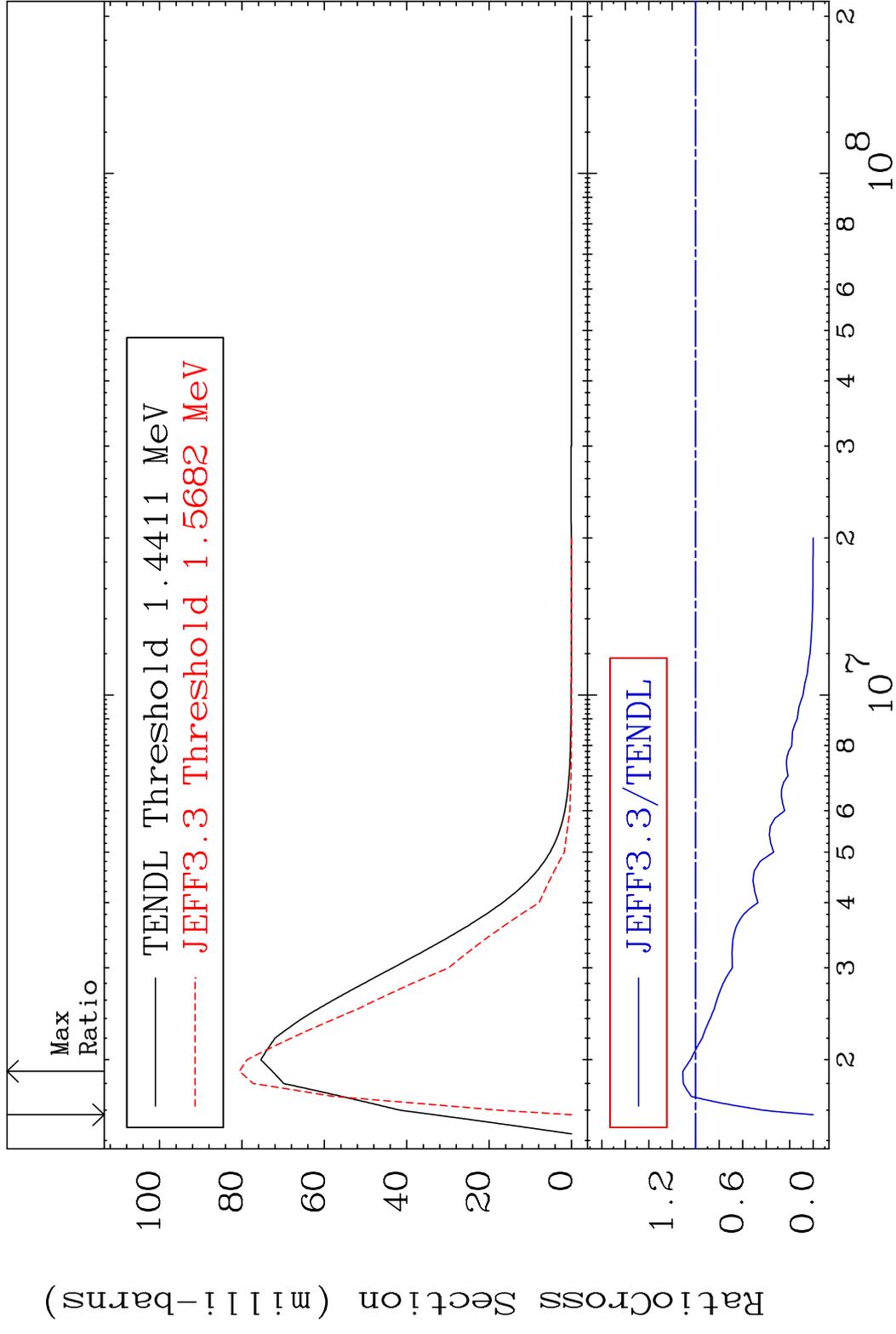
MAT 4234 MT= 65 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To 293.3 %



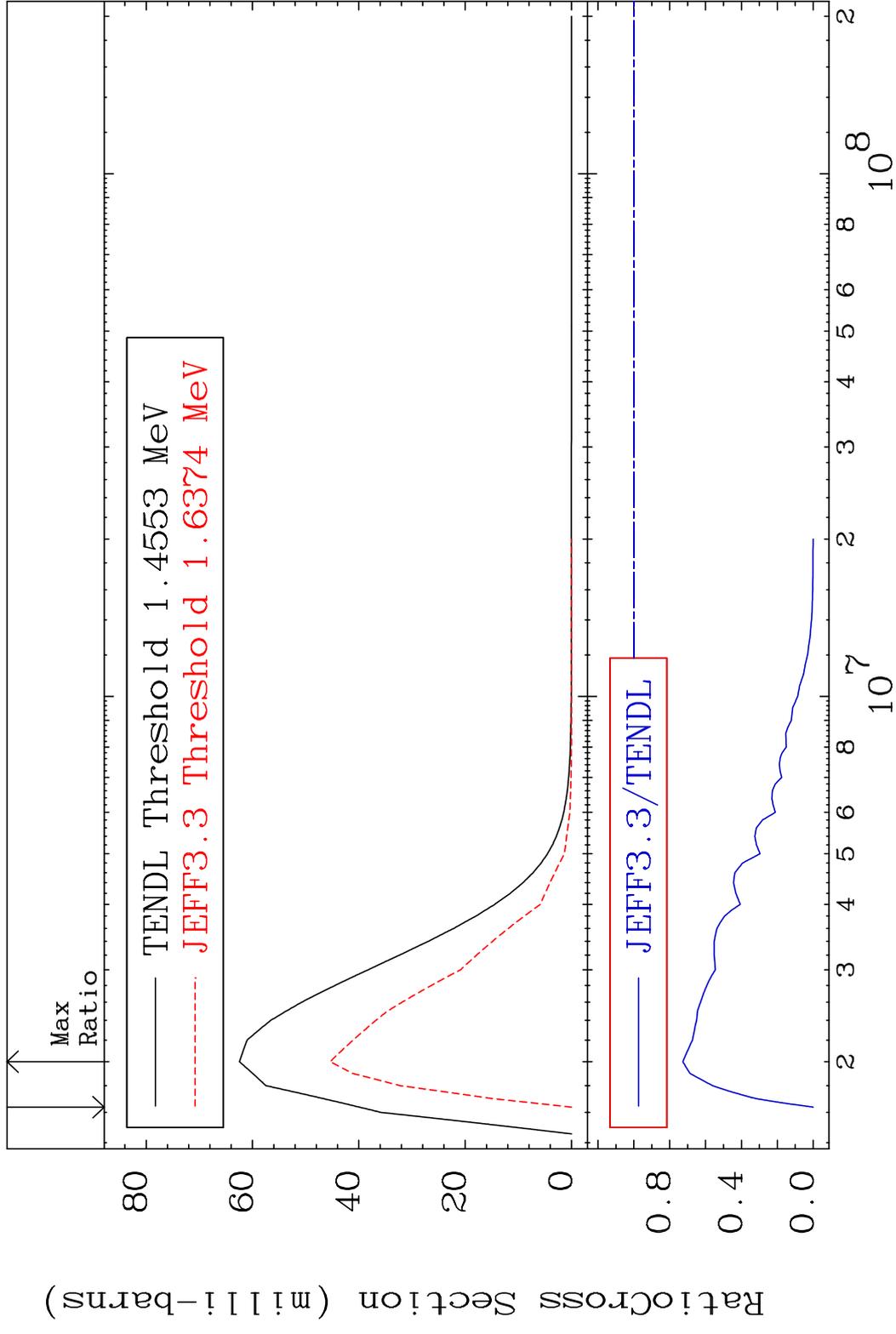
MAT 4234 MT= 66 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To 9999. %



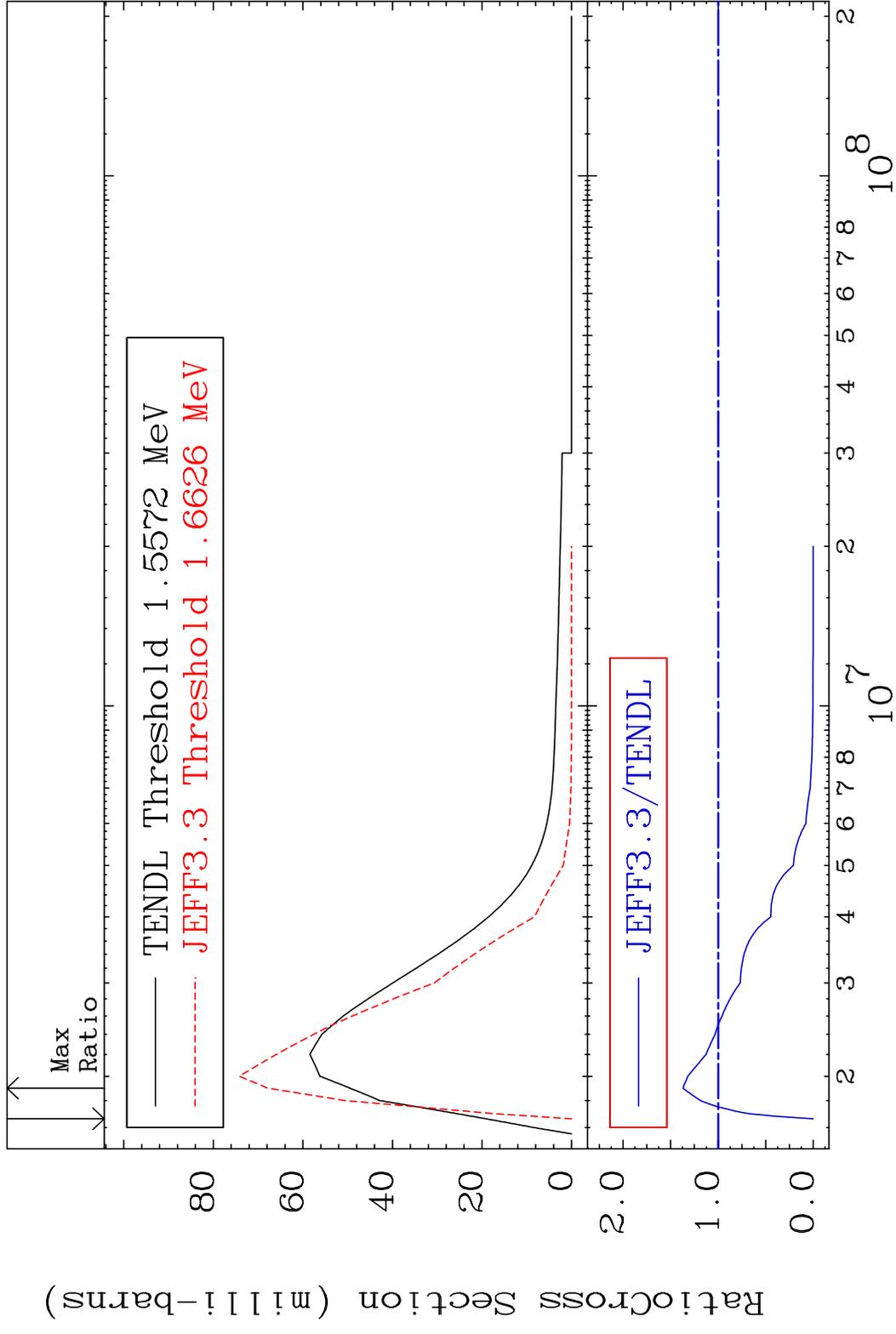
MAT 4234 MT= 67 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To 10.98 %



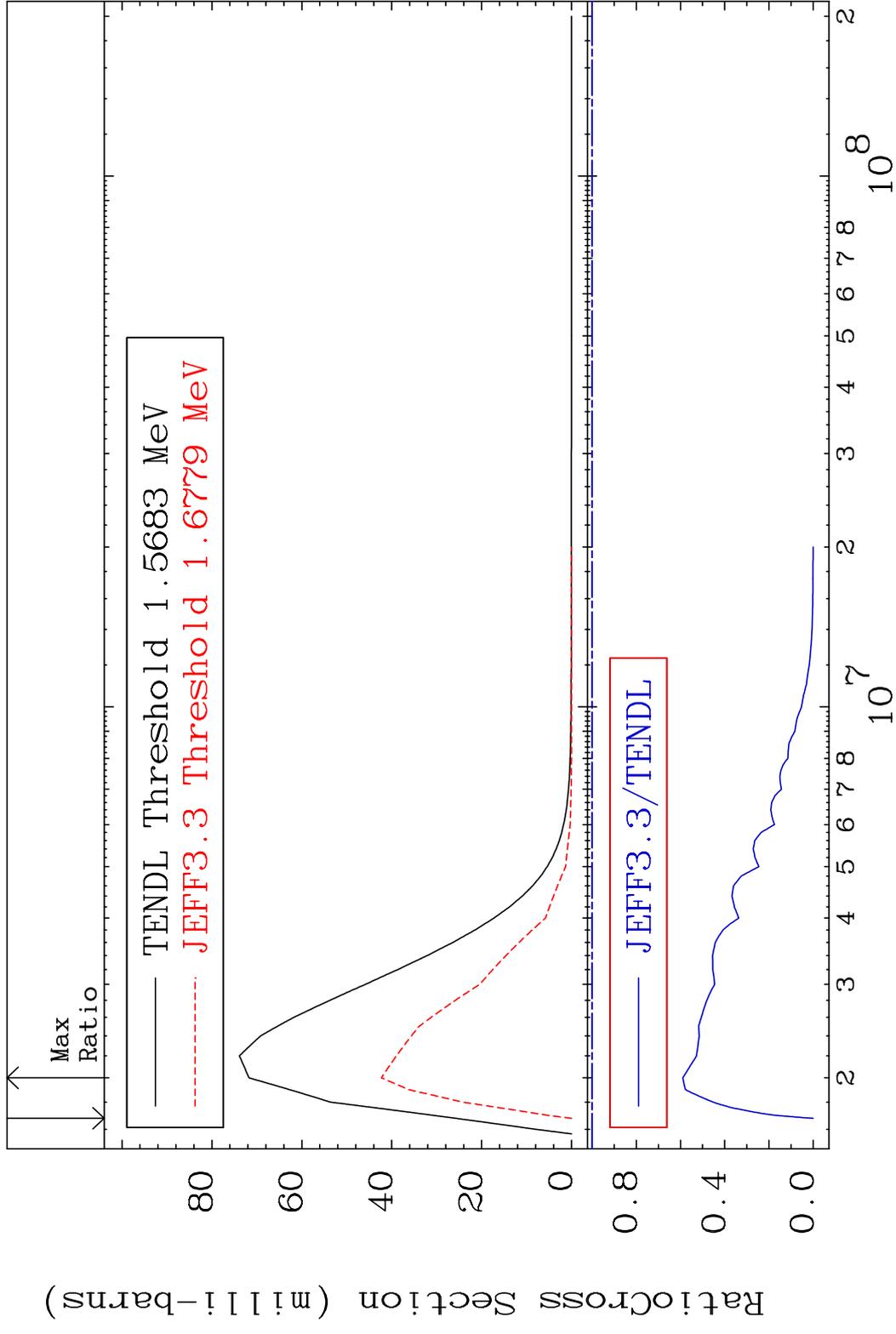
MAT 4234 MT= 68 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To -27.32%



MAT 4234 MT= 69 (n, n') Level 42-Mo-95  
 Cross Section -100.0 To 37.17 %



MAT 4234 MT= 70 (n,n') Level 42-Mo-95  
 Cross Section -100.0 To -41.06%

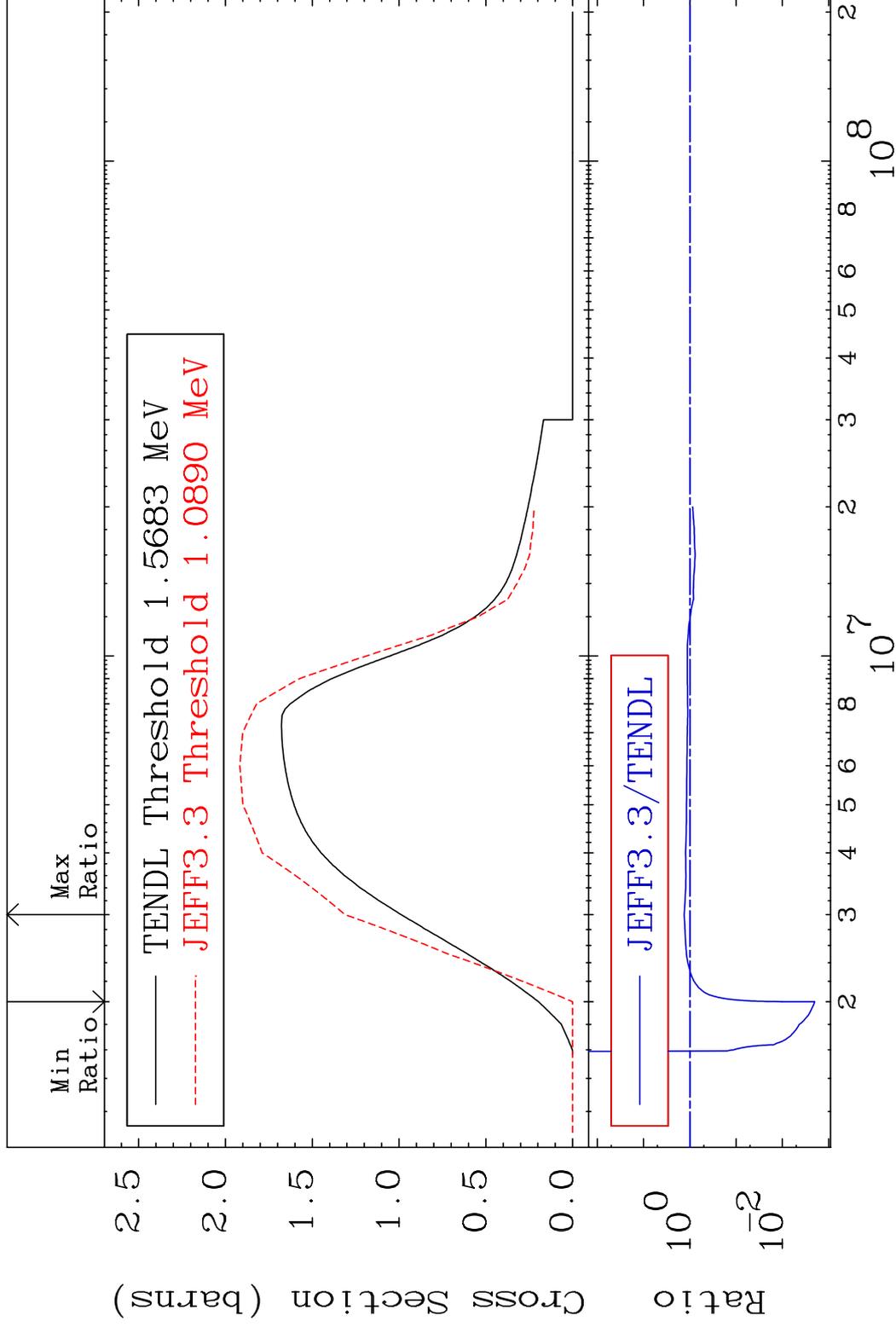


MAT 4234

(n, n') Continuum

42-Mo-95

Cross Section -99.80 To 32.64 %



30

Incident Energy (eV)

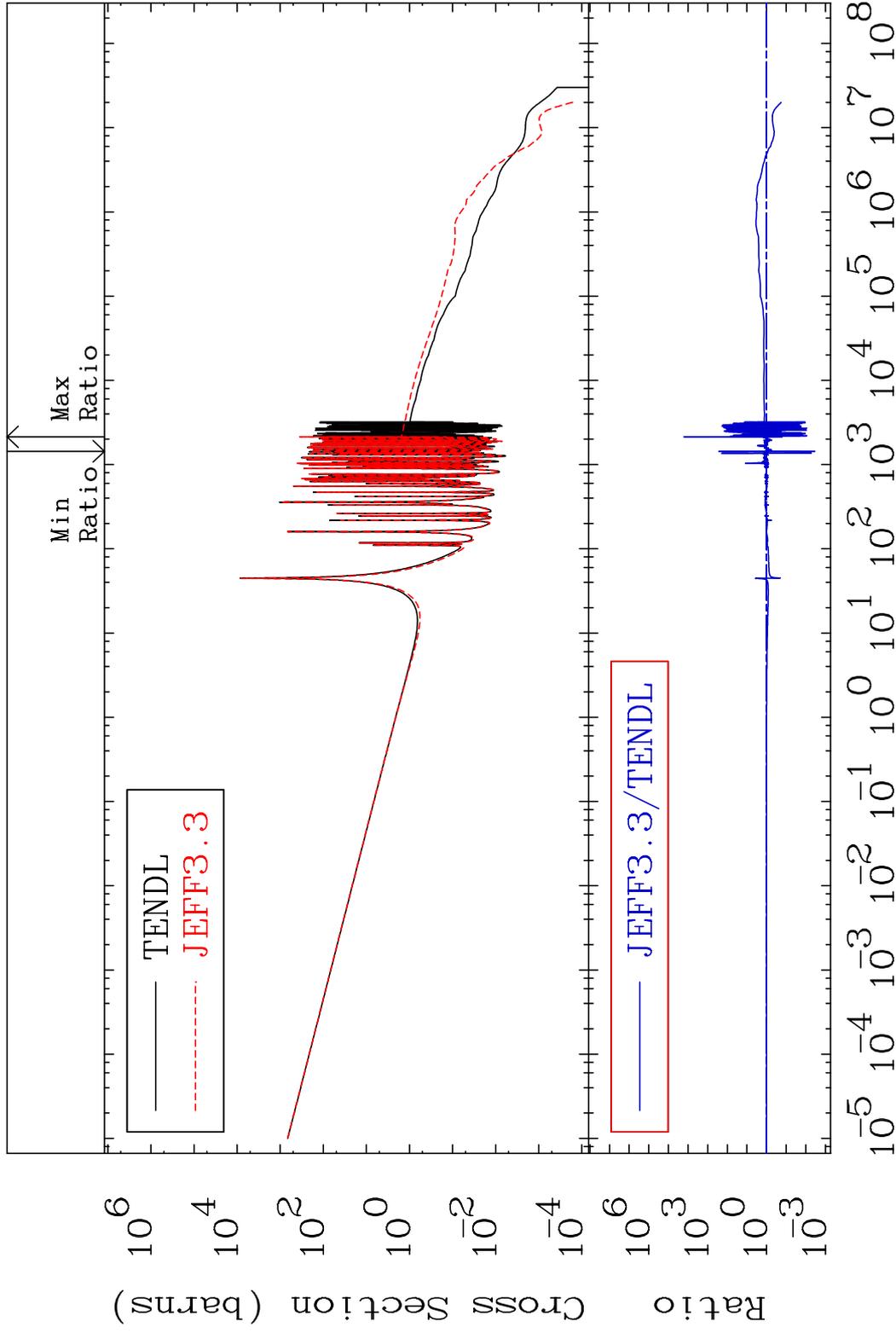
42-Mo-95

MAT 4234

(n,  $\gamma$ )

42-Mo-95

Cross Section -99.65 To 9999. %



31

Incident Energy (eV)

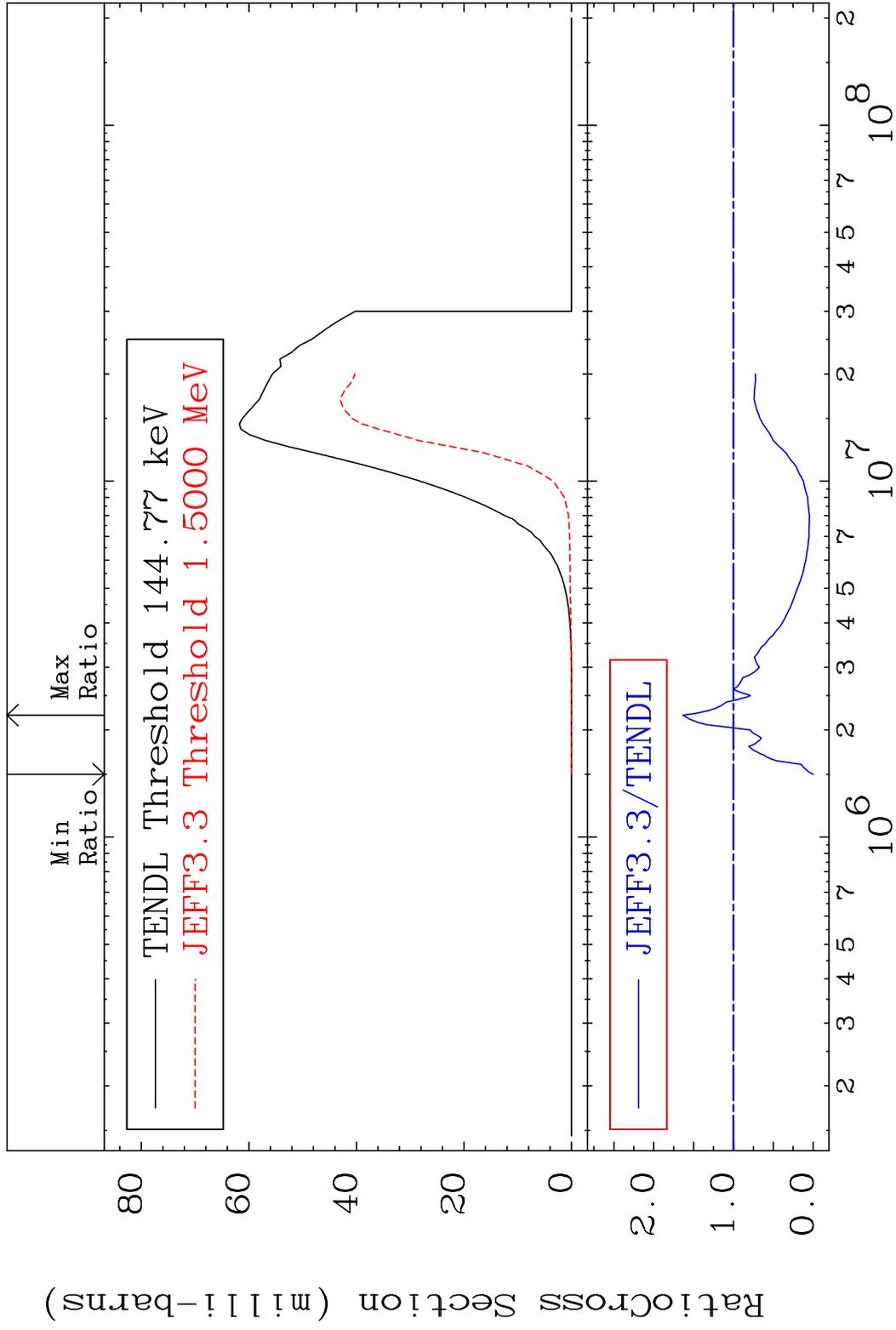
42-Mo-95

MAT 4234

(n, p)

42-Mo-95

Cross Section -100.0 To 63.47 %



32

Incident Energy (eV)

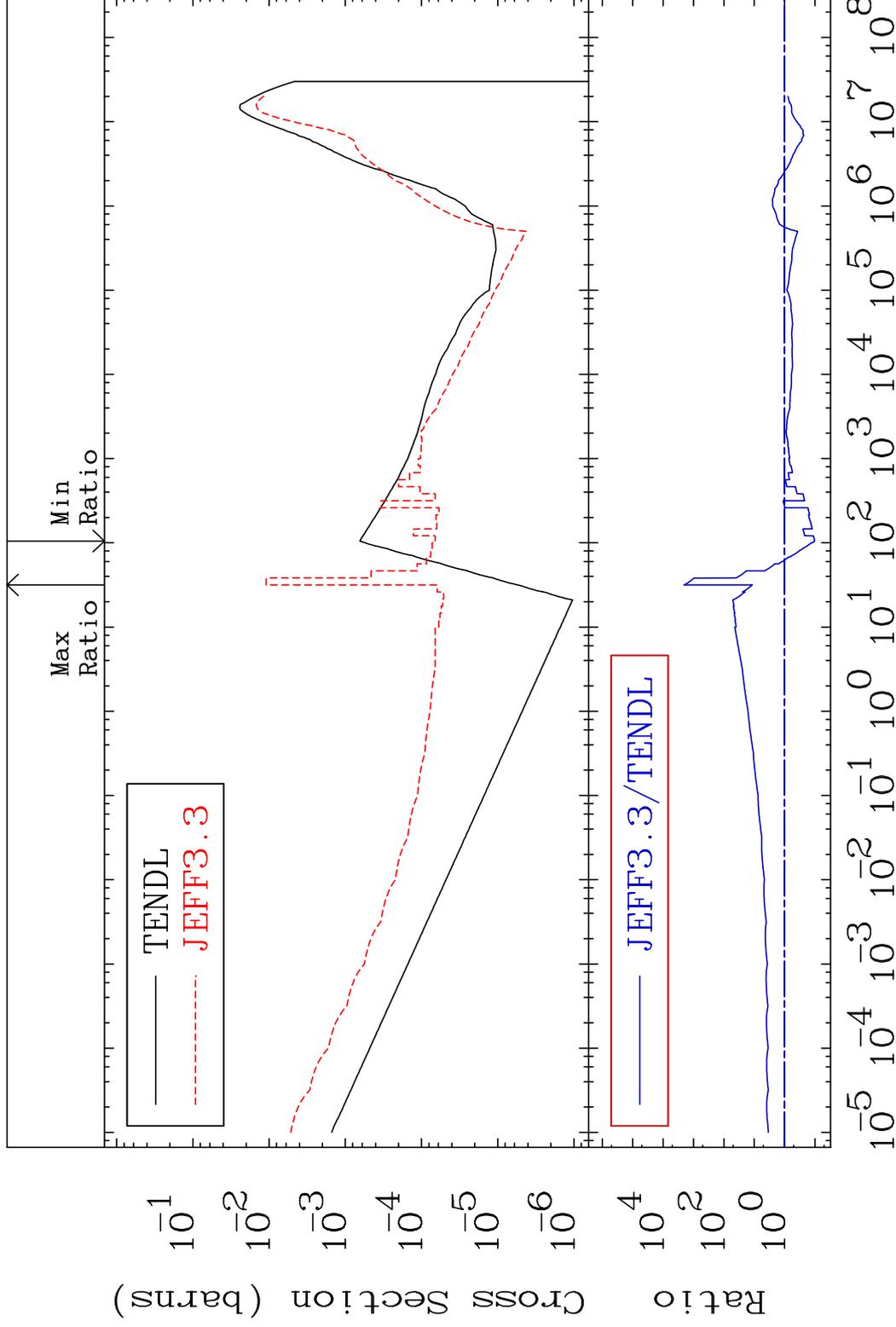
42-Mo-95

MAT 4234

(n,  $\alpha$ )

42-Mo-95

Cross Section -89.75 To 9999. %



33

Incident Energy (eV)

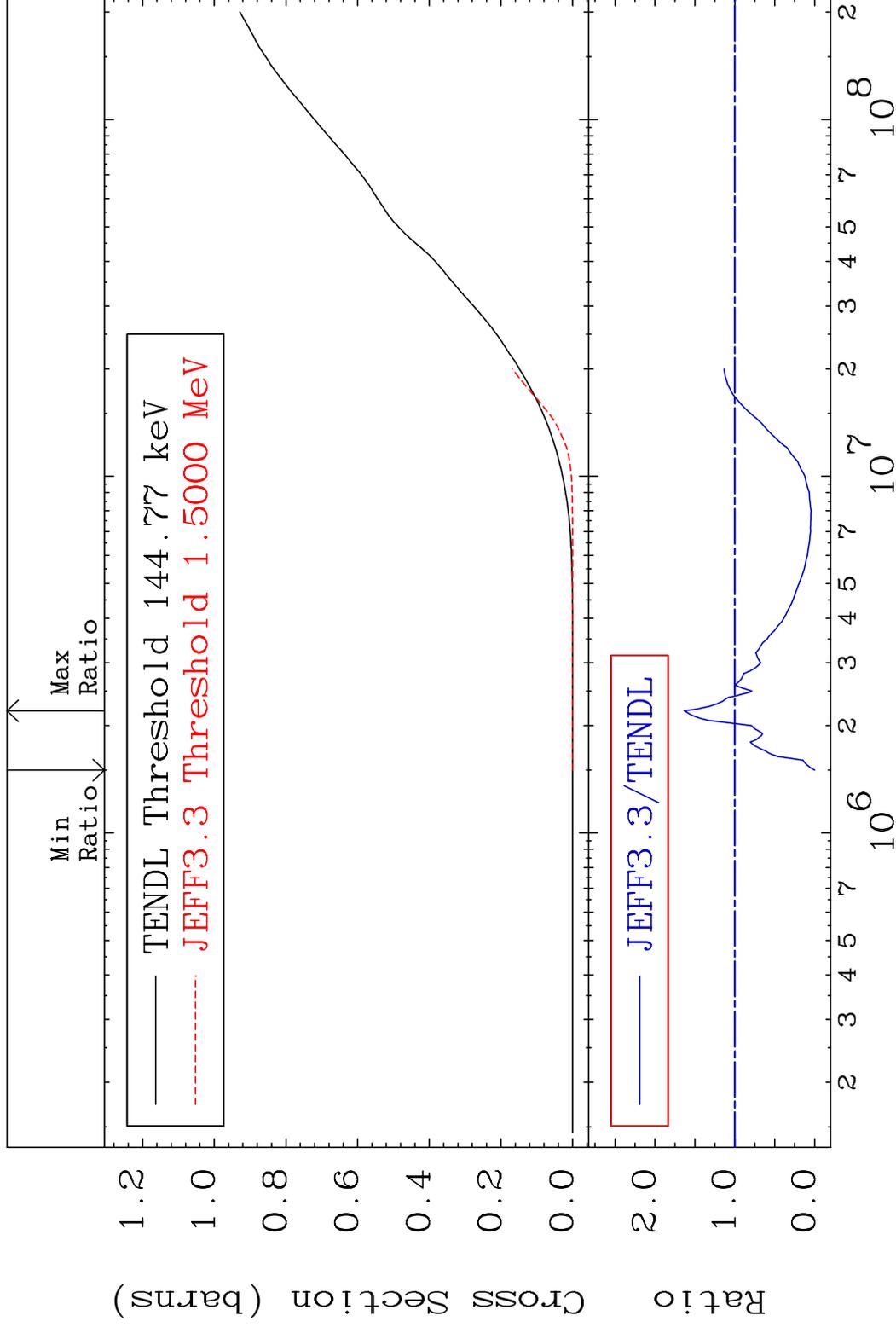
42-Mo-95

MAT 4234

Hydrogen Production

42-Mo-95

Cross Section -100.0 To 63.47 %



34

Incident Energy (eV)

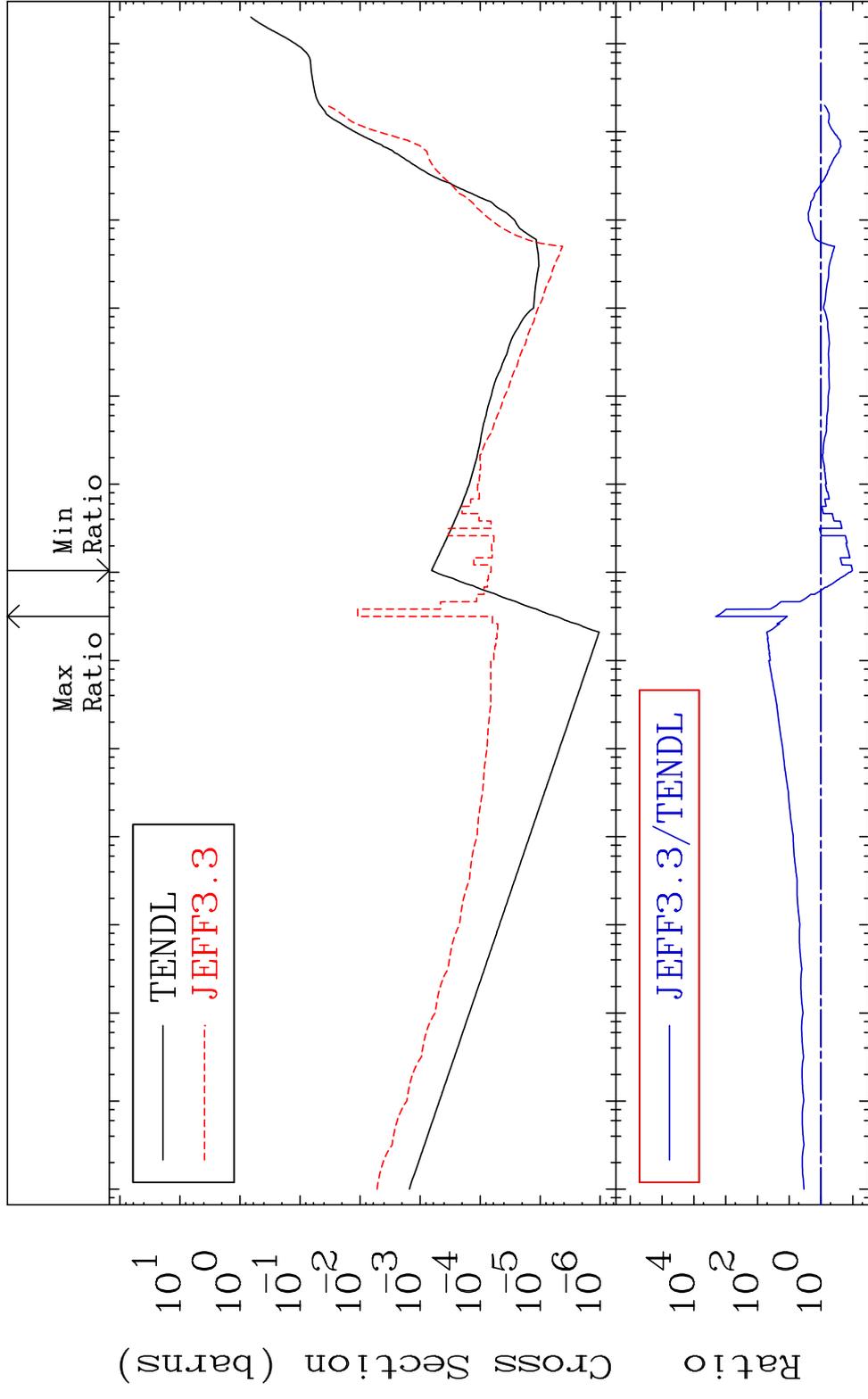
42-Mo-95

MAT 4234

He-4 Production

42-Mo-95

Cross Section -89.75 To 9999. %



Ratio  
10<sup>4</sup>  
10<sup>2</sup>  
10<sup>0</sup>

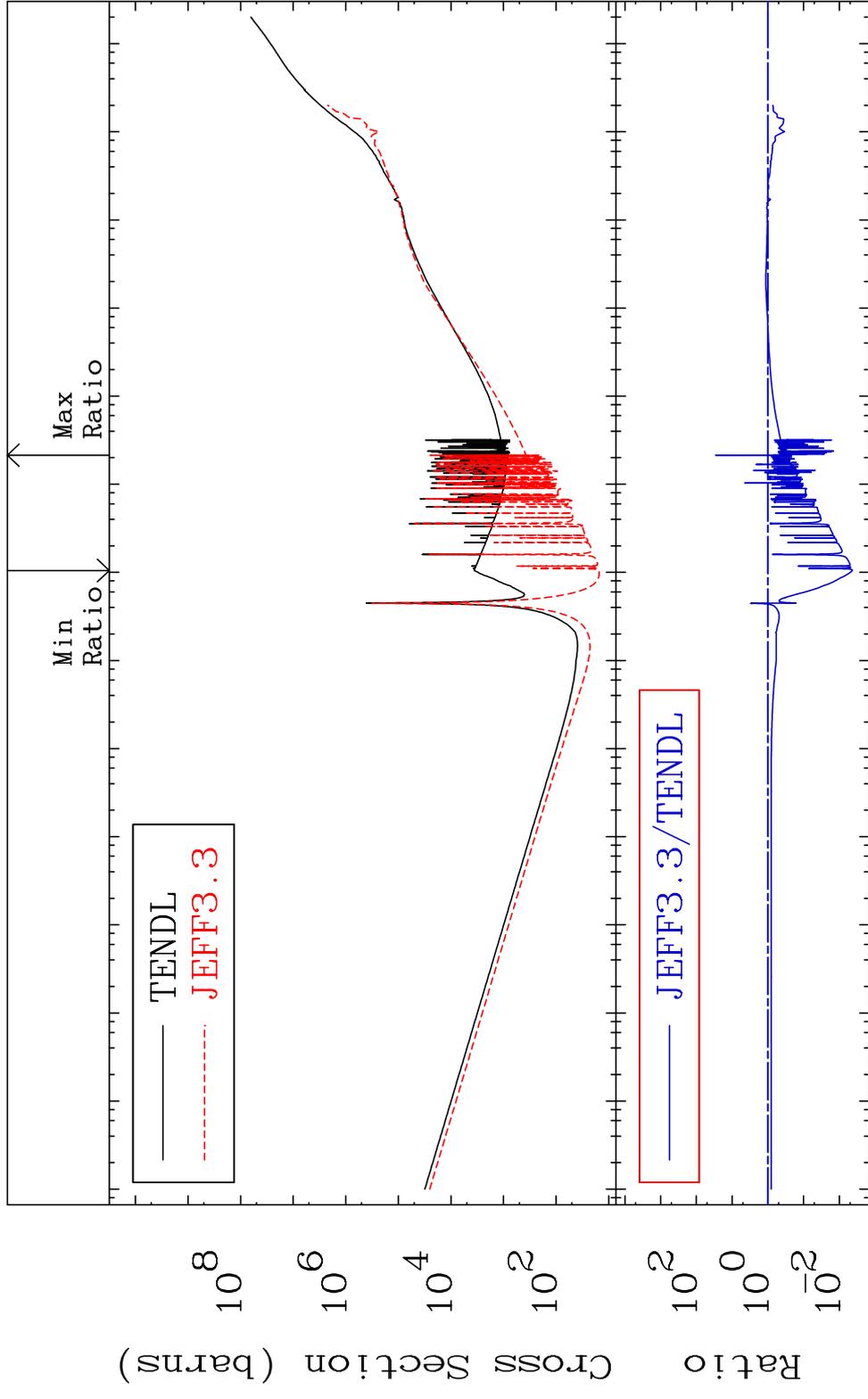
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

35

Incident Energy (eV)

42-Mo-95

MAT 4234 Kerma total (eV-barns) 42-Mo-95  
 Cross Section -99.57 To 2741. %



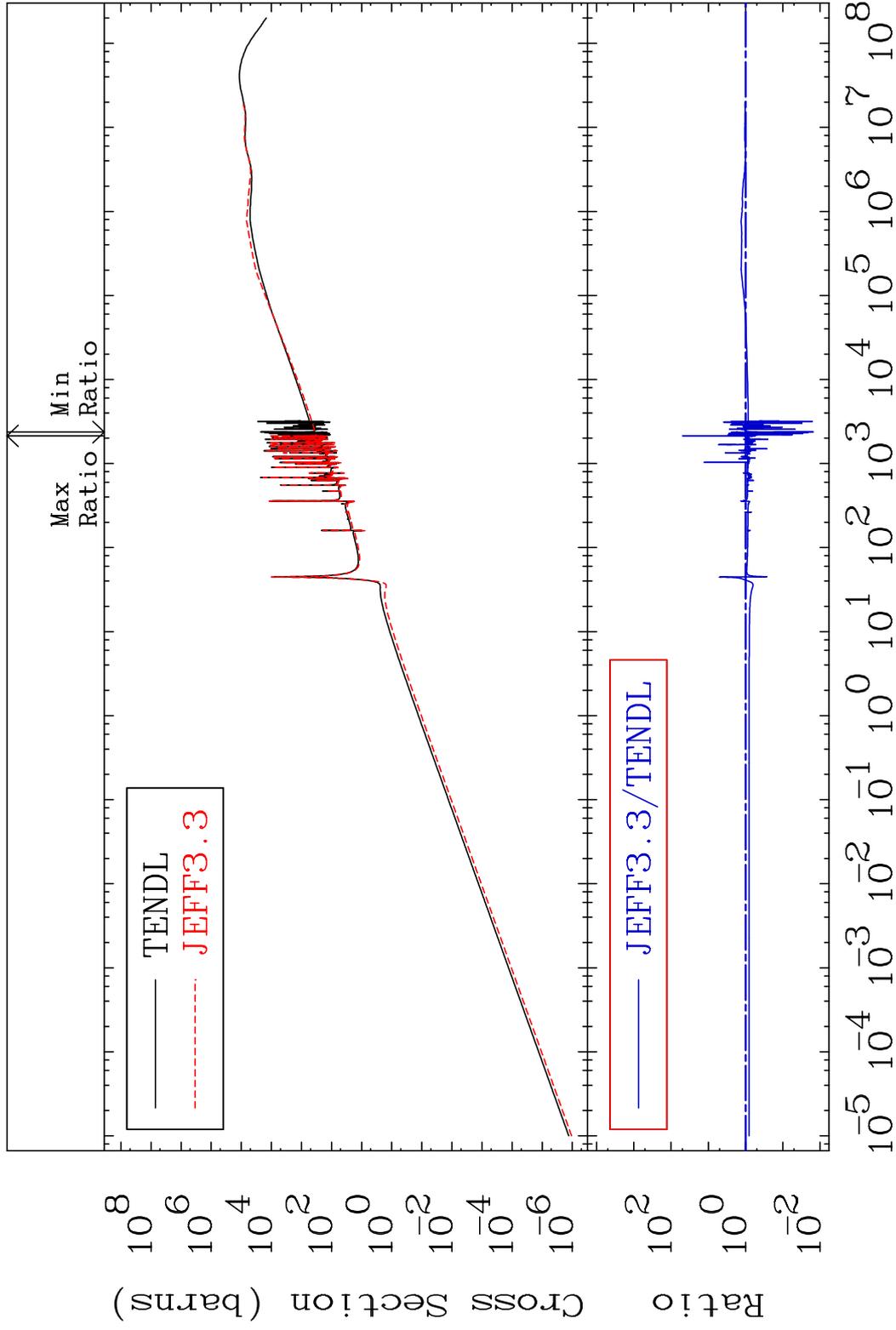
36 Incident Energy (eV) 42-Mo-95

MAT 4234

Kerma elastic

42-Mo-95

Cross Section -98.47 To 4741. %

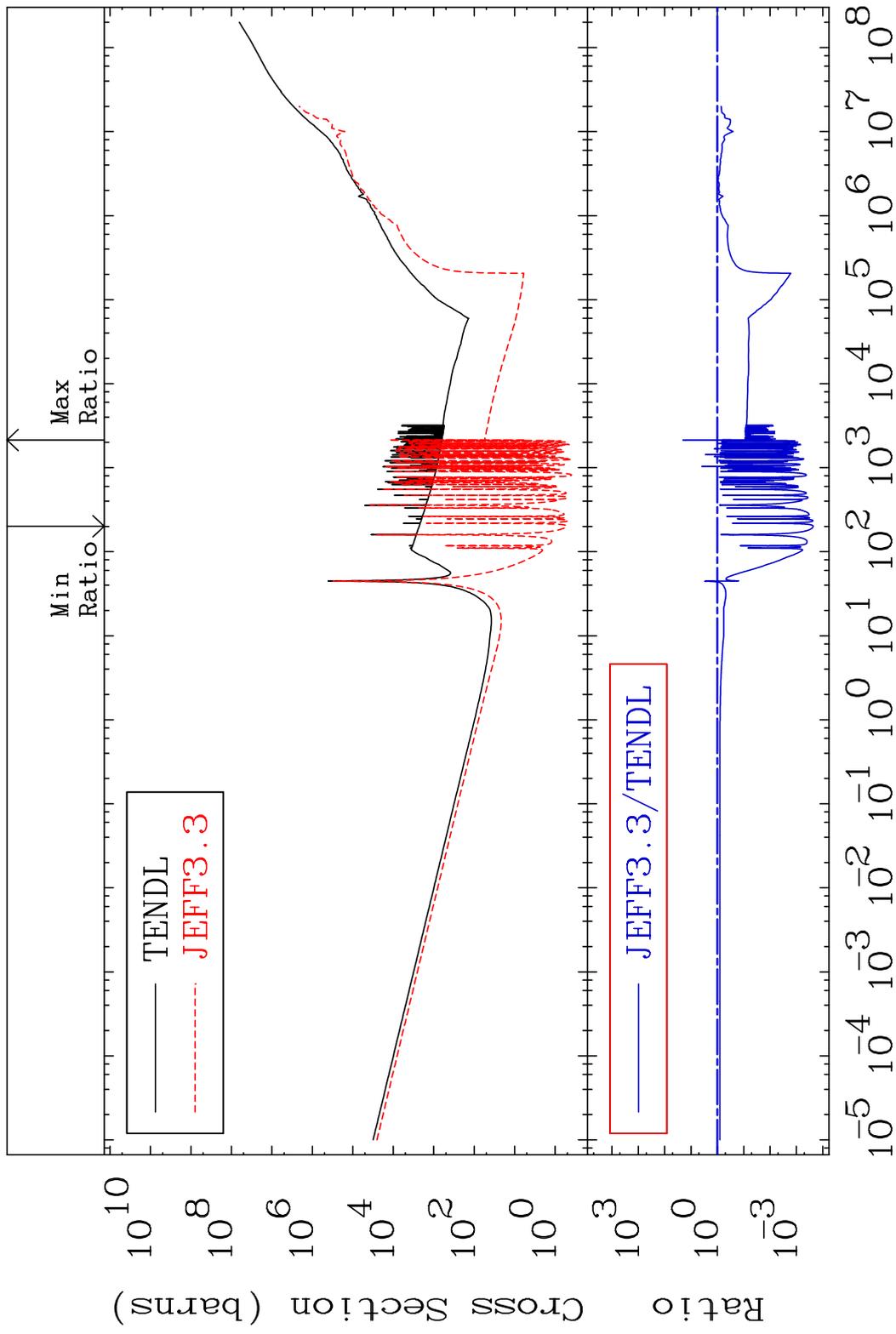


37

Incident Energy (eV)

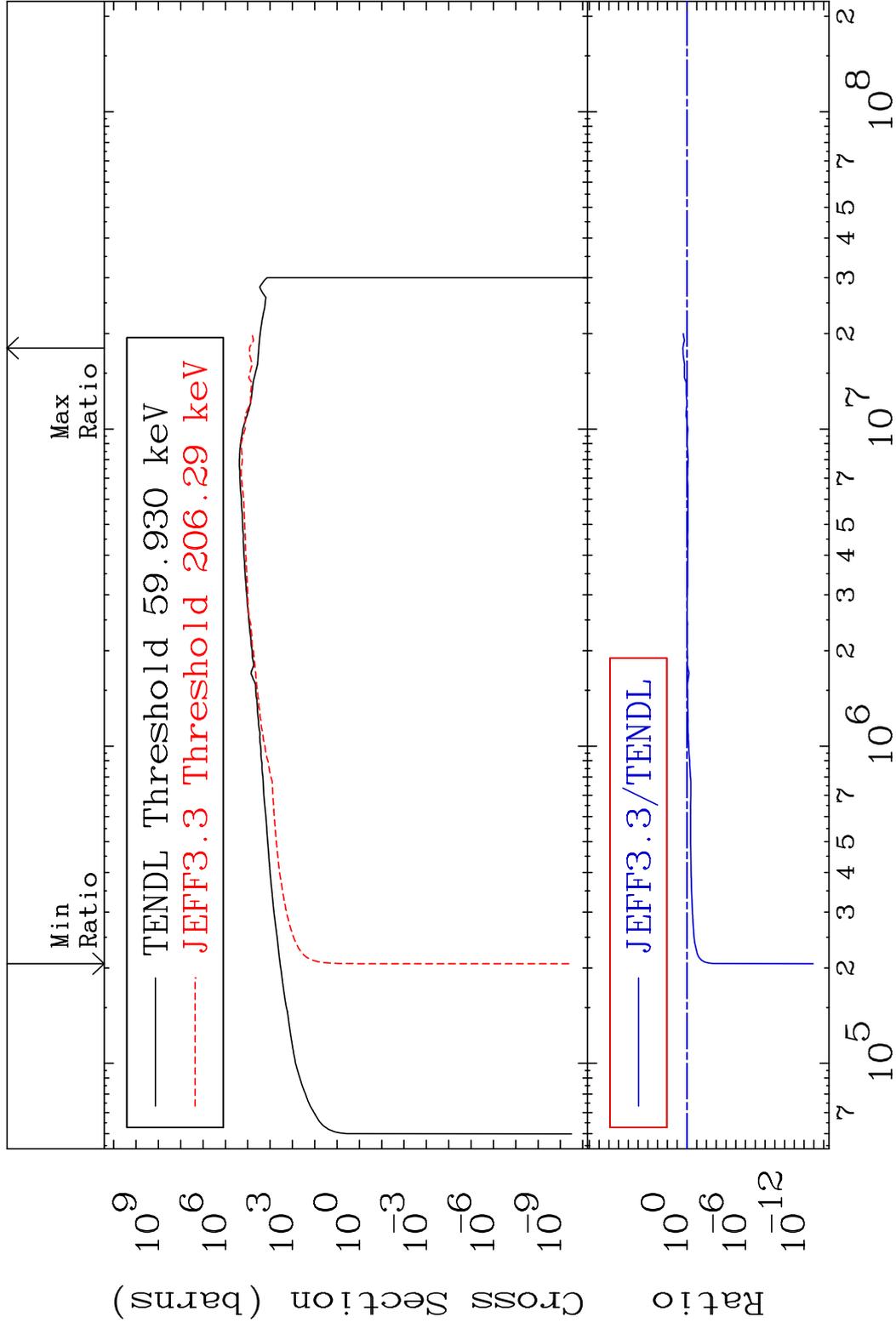
42-Mo-95

MAT 4234 Kerma non-elastic (all but mt2) 42-Mo-95  
 Cross Section -99.98 To 1945. %

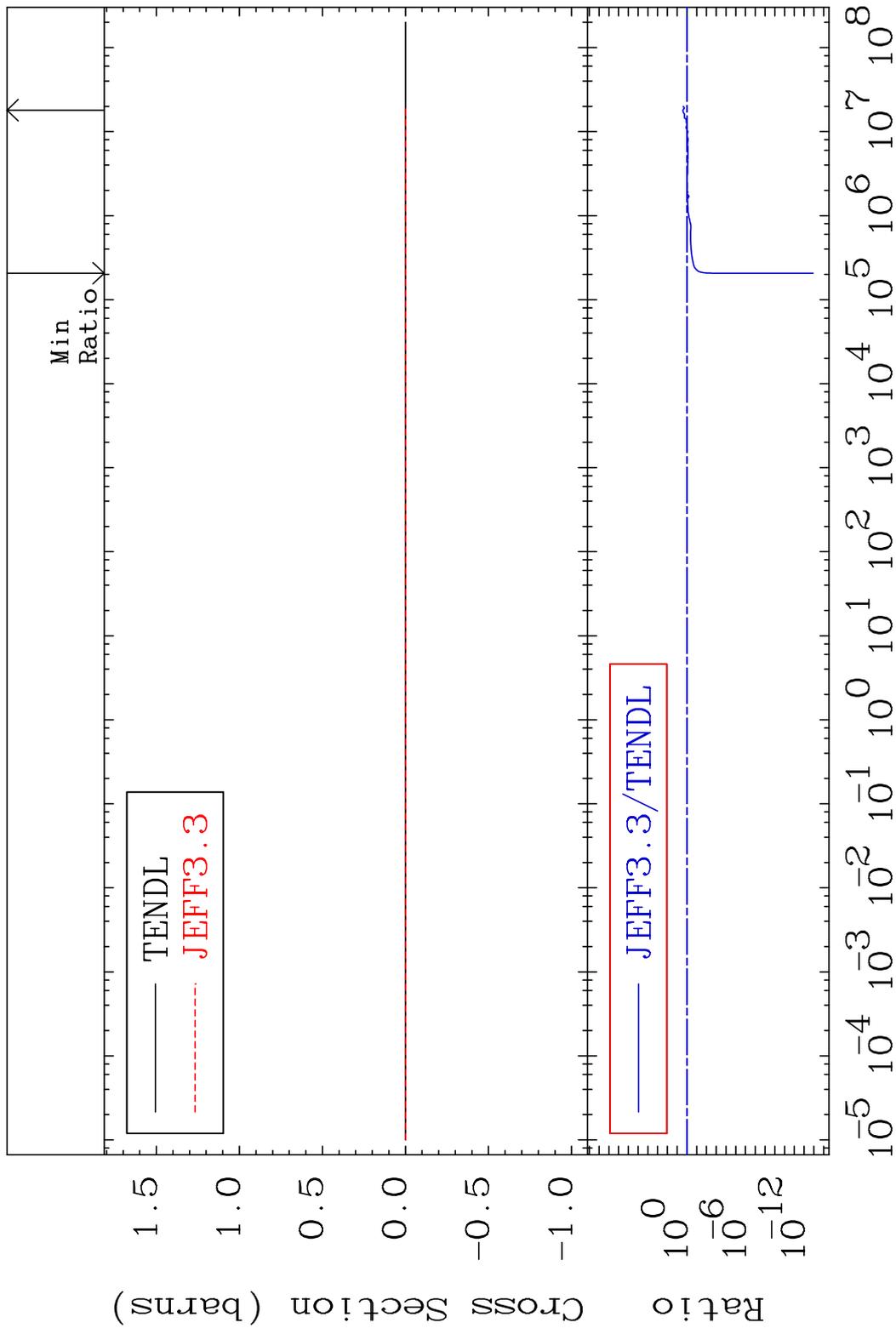


38 Incident Energy (eV) 42-Mo-95

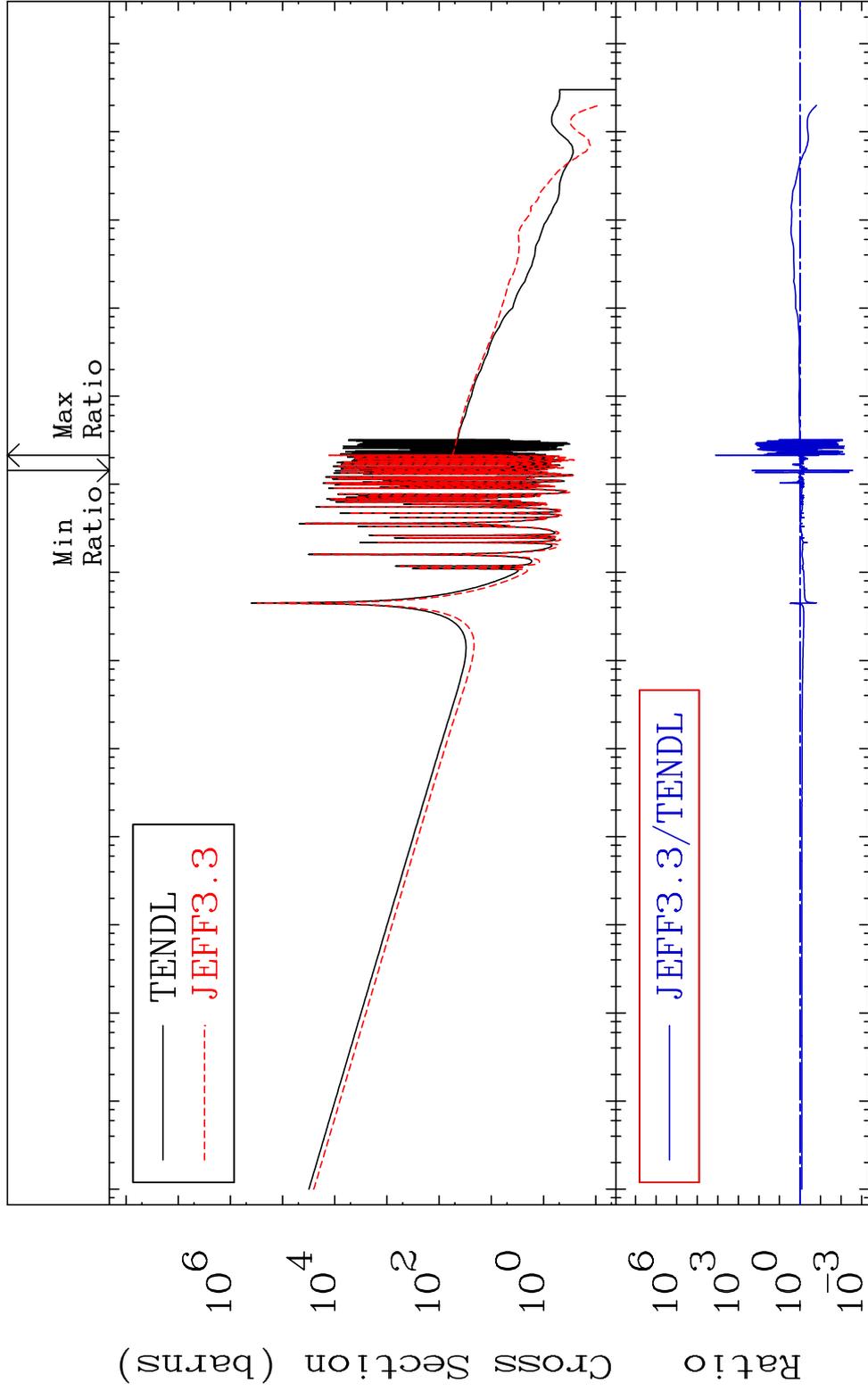
MAT 4234 Kerma inelastic (mt51-91) 42-Mo-95  
 Cross Section -100.0 To 162.2 %



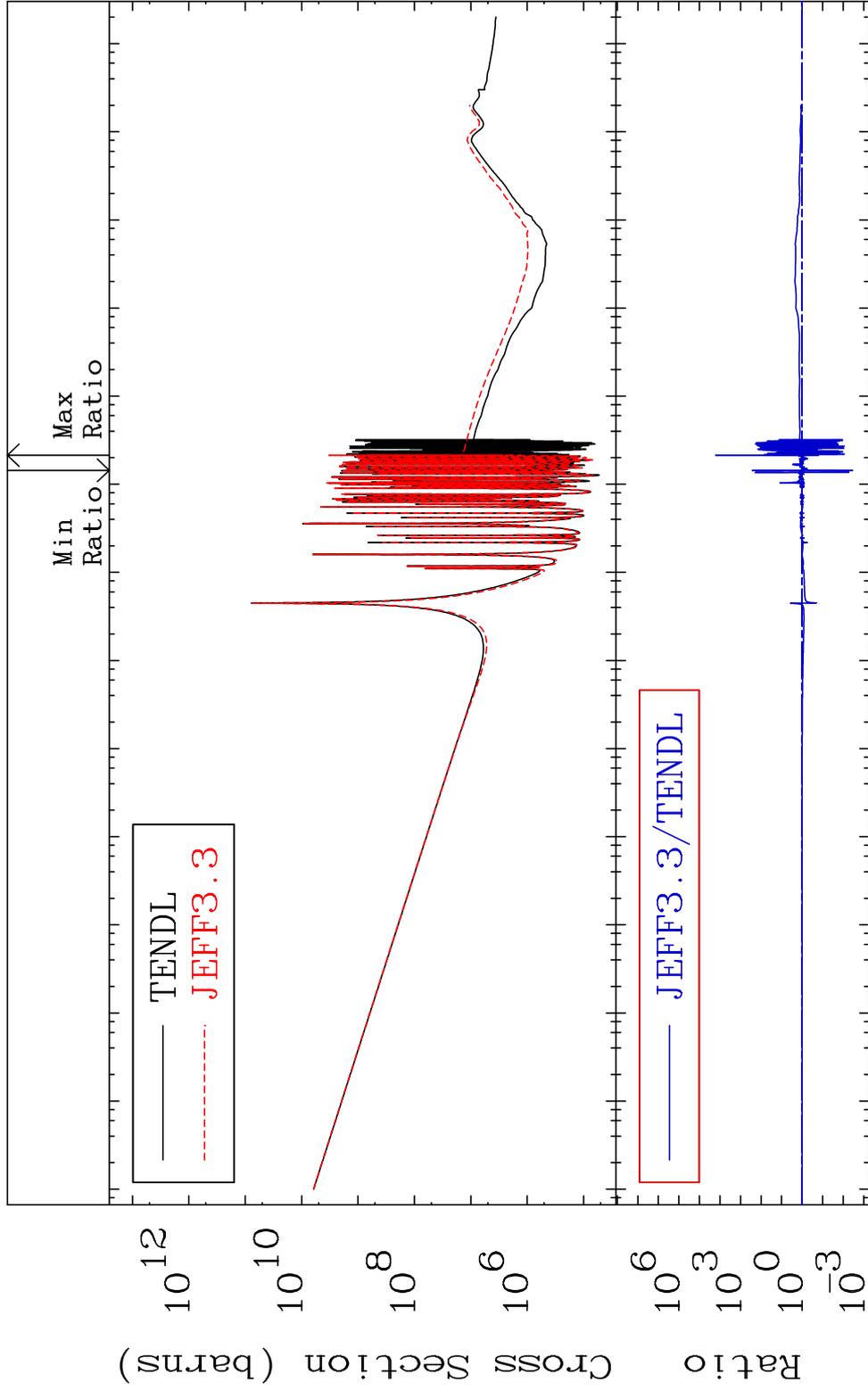
MAT 4234 Kerma fission (mt18 or mt19-20-21-38) 42-Mo-95  
 Cross Section -100.0 To 162.2 %



MAT 4234 Kerma capture (mt102) 42-Mo-95  
 Cross Section -99.72 To 9999. %

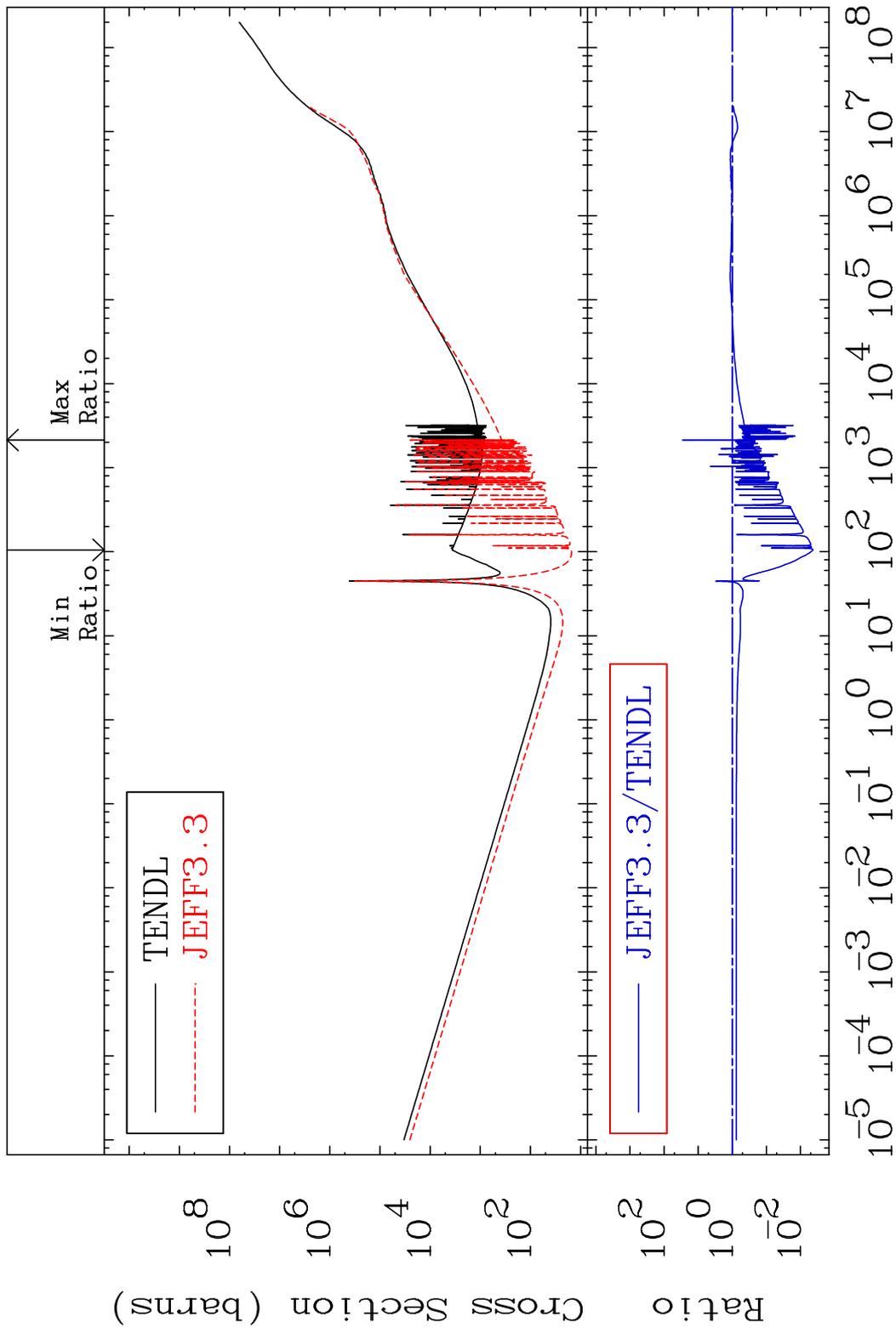


MAT 4234 Total photon (eV-barns) 42-Mo-95  
Cross Section -99.65 To 9999. %

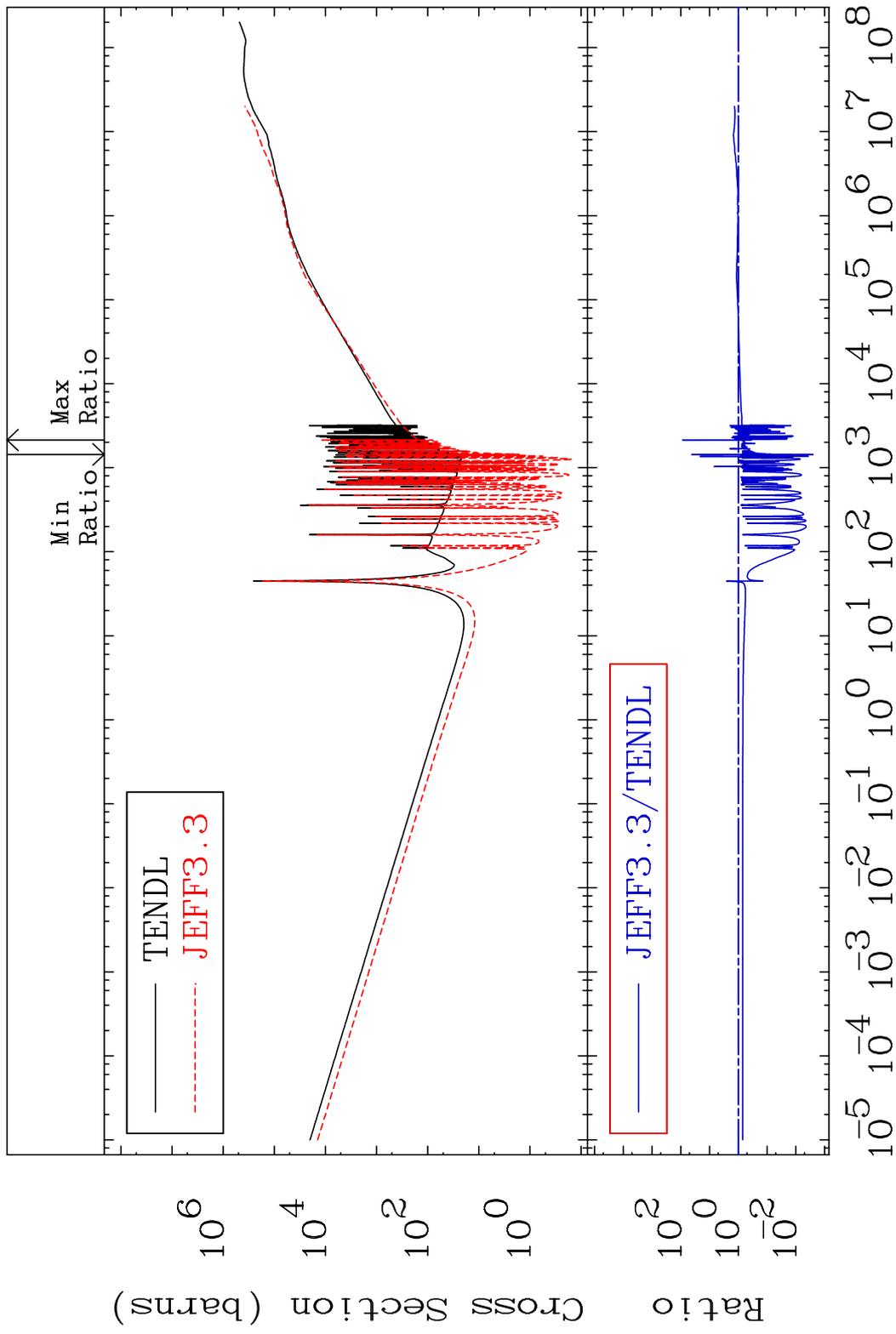


42 Incident Energy (eV) 42-Mo-95

MAT 4234 Total kinematic kerma (high limit) 42-Mo-95  
 Cross Section -99.58 To 2722. %



MAT 4234      Dpa total (eV-barns)      42-Mo-95  
 Cross Section      -99.75 To 8433. %

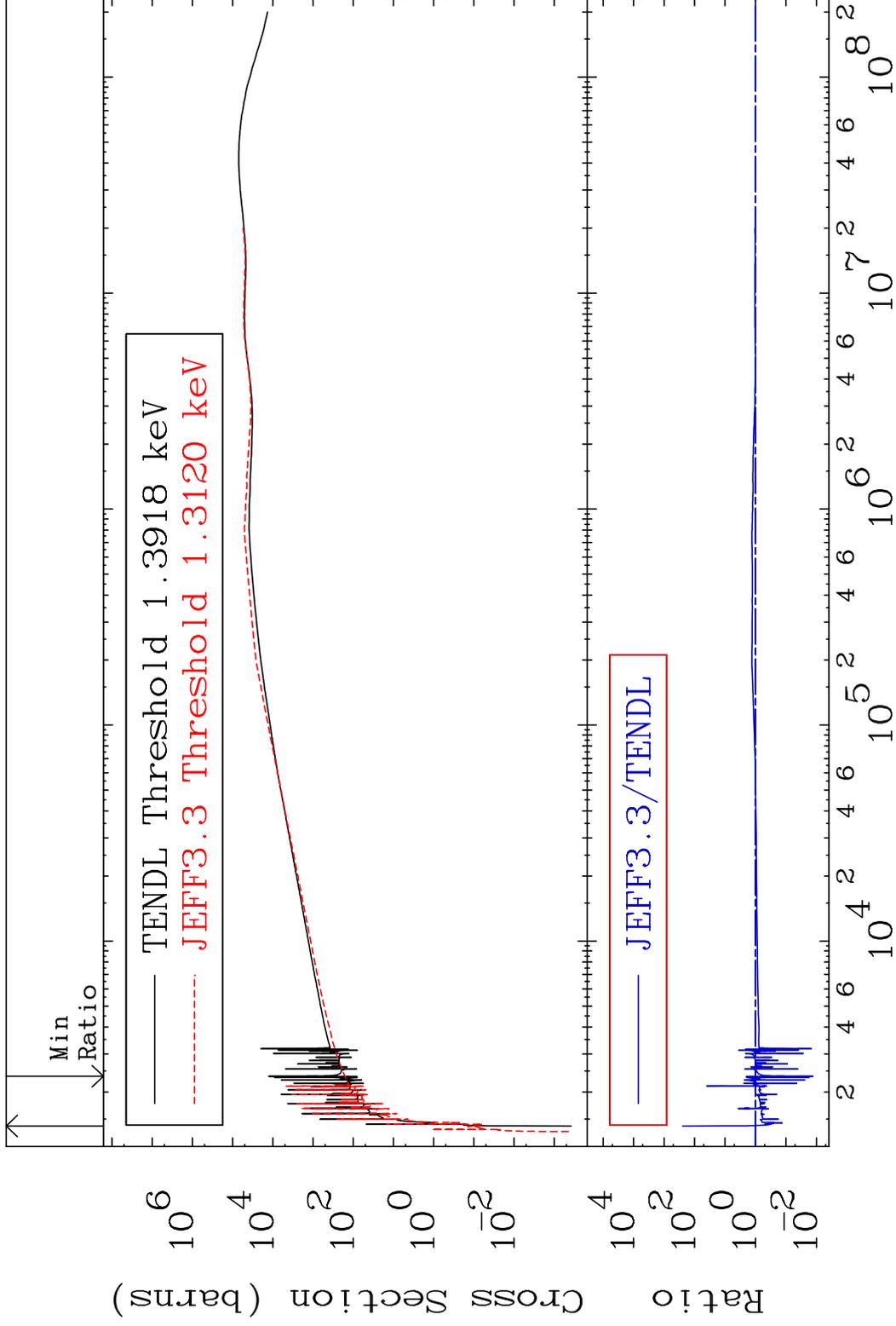


MAT 4234

Dpa elastic (mt2)

42-Mo-95

Cross Section -98.71 To 9999. %



45

Incident Energy (eV)

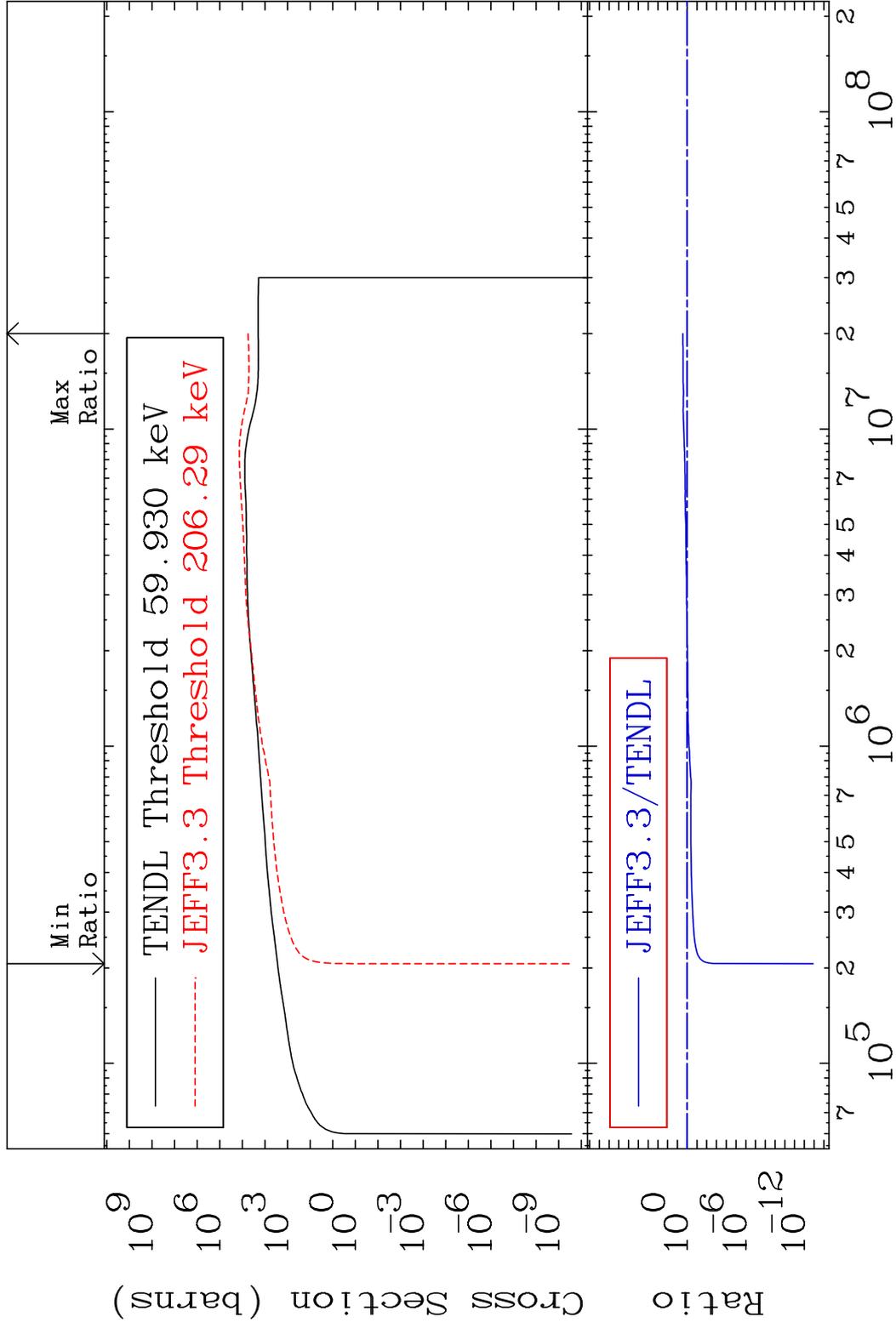
42-Mo-95

MAT 4234

Dpa inelastic (mt51-91)

42-Mo-95

Cross Section -100.0 To 179.0 %



46

Incident Energy (eV)

42-Mo-95

MAT 4234 Dpa disappearance (mt102 -120) 42-Mo-95  
 Cross Section -99.76 To 9999. %

