

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

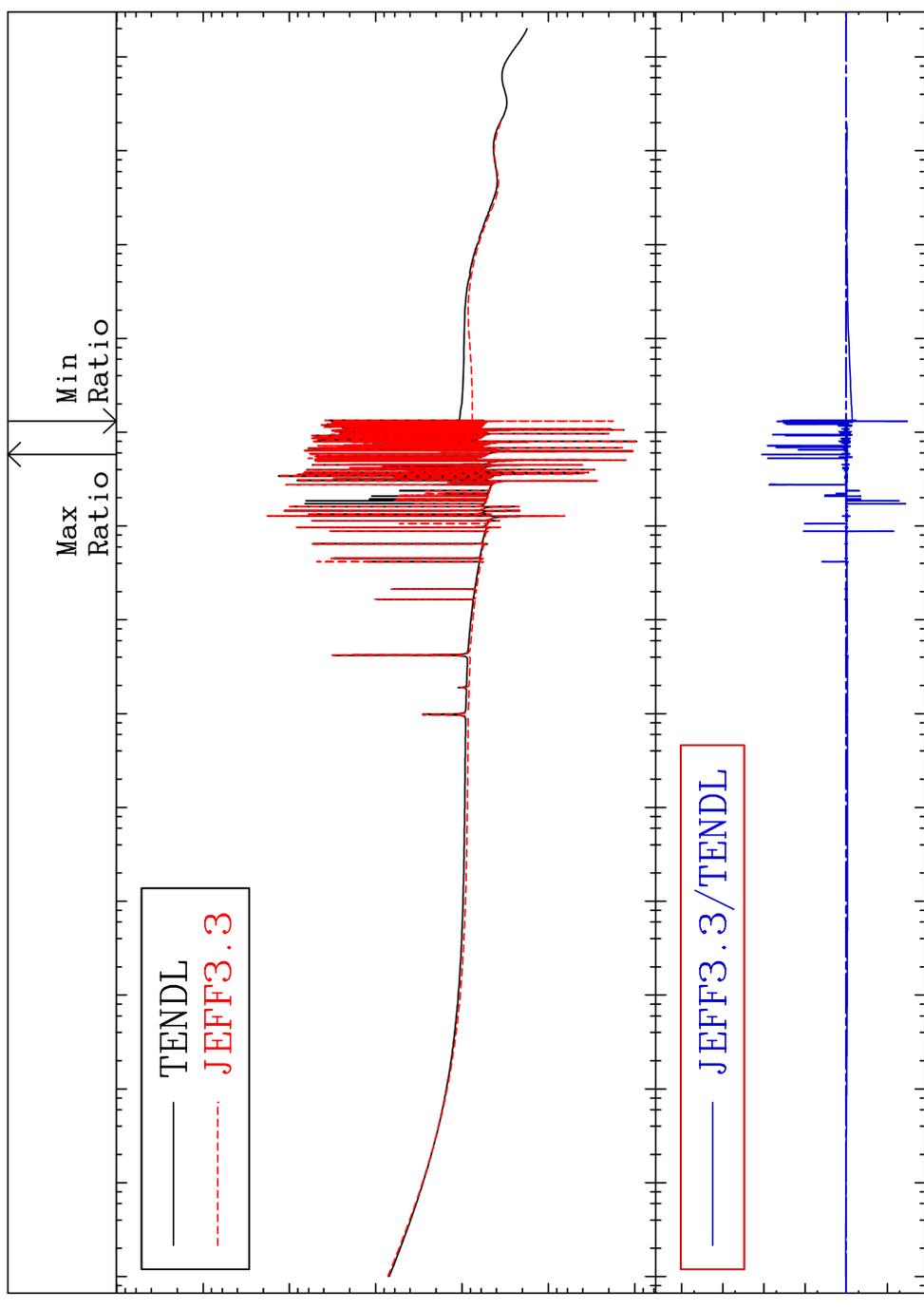
MAT 4443

Total

44-Ru-102

Cross Section

-96.76 To 9999. %



$10^4$   
 $10^3$   
 $10^2$   
 $10^1$   
 $10^0$   
 $10^{-1}$   
Cross Section (barns)

Ratio  
 $10^2$   
 $10^0$

$10^{-5}$   $10^{-4}$   $10^{-3}$   $10^{-2}$   $10^{-1}$   $10^0$   $10^1$   $10^2$   $10^3$   $10^4$   $10^5$   $10^6$   $10^7$   $10^8$   
Incident Energy (eV)

1

44-Ru-102

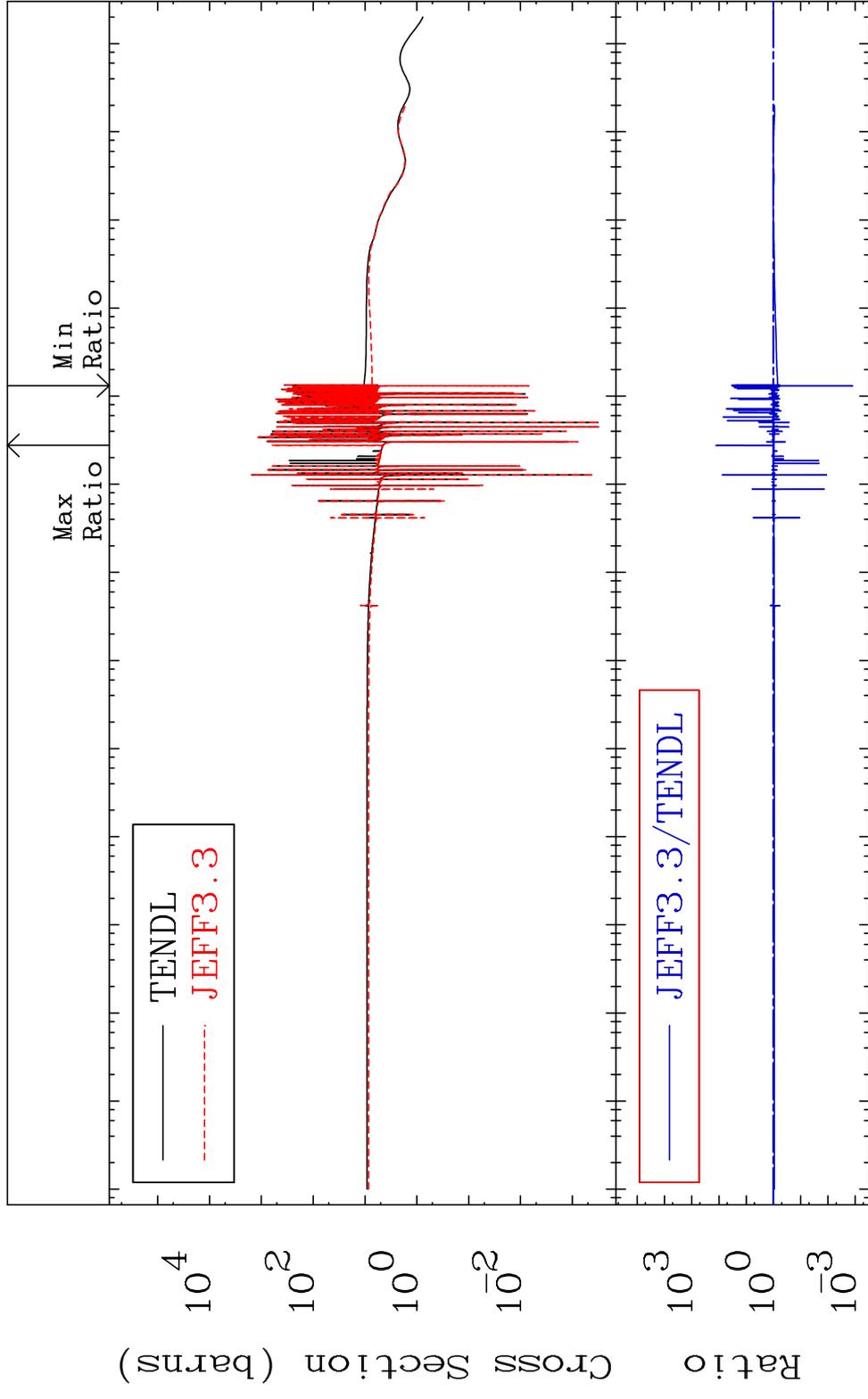
MAT 4443

Elastic

44-Ru-102

Cross Section

-99.87 To 9999. %

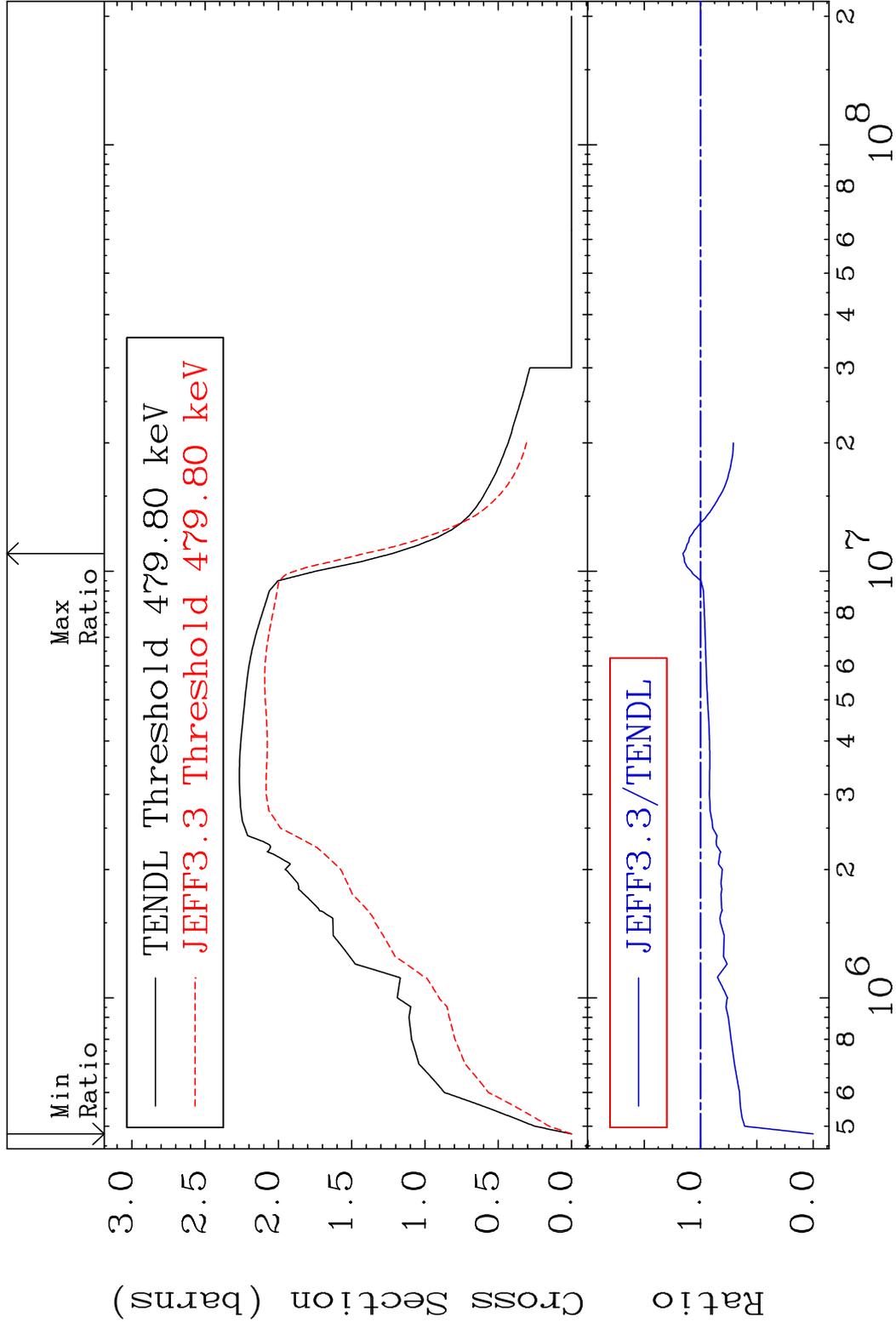


2

Incident Energy (eV)

44-Ru-102

MAT 4443 Inelastic 44-Ru-102  
 Cross Section -100.0 To 15.70 %

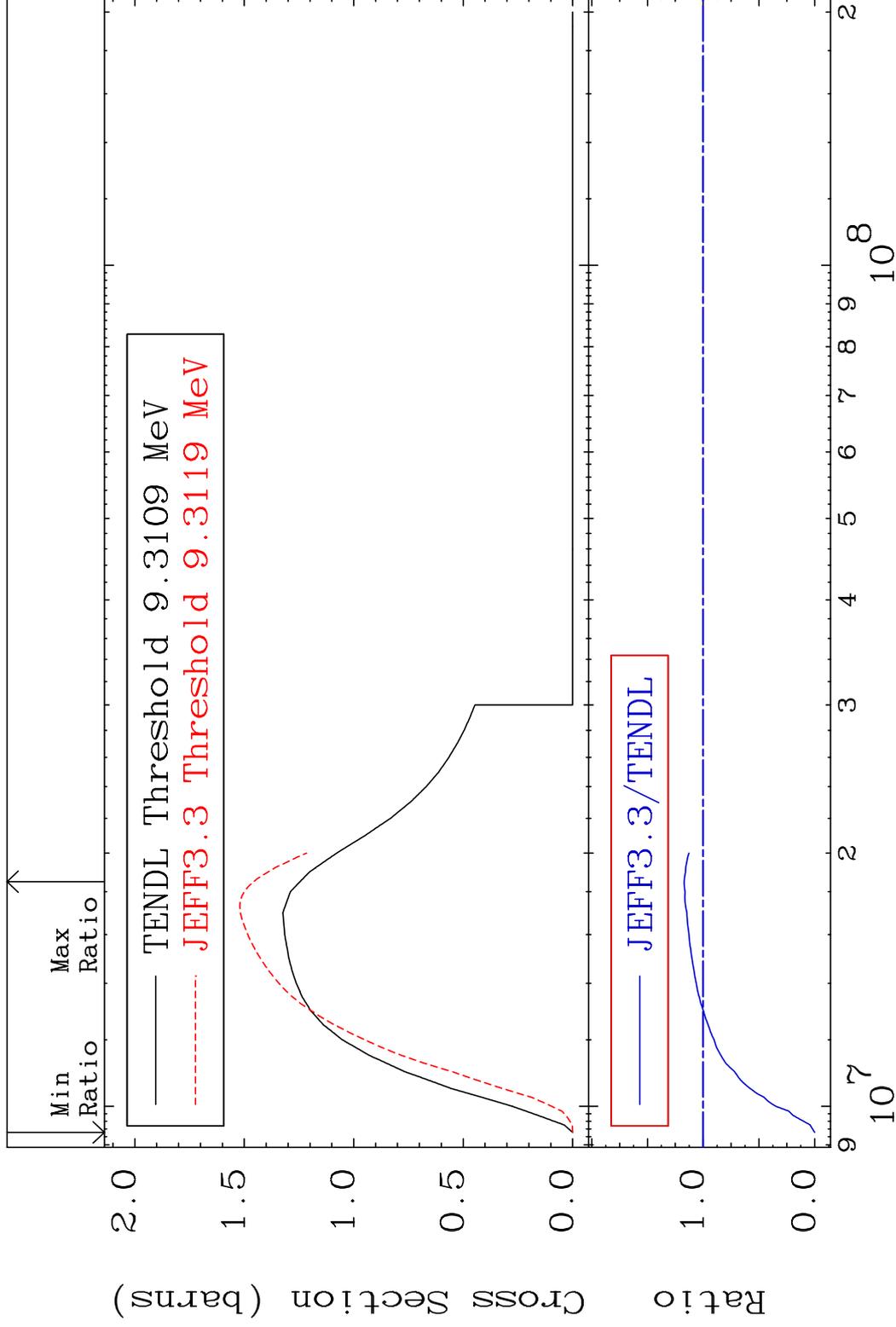


MAT 4443

(n,2n)

44-Ru-102

Cross Section -100.0 To 17.12 %



4

Incident Energy (eV)

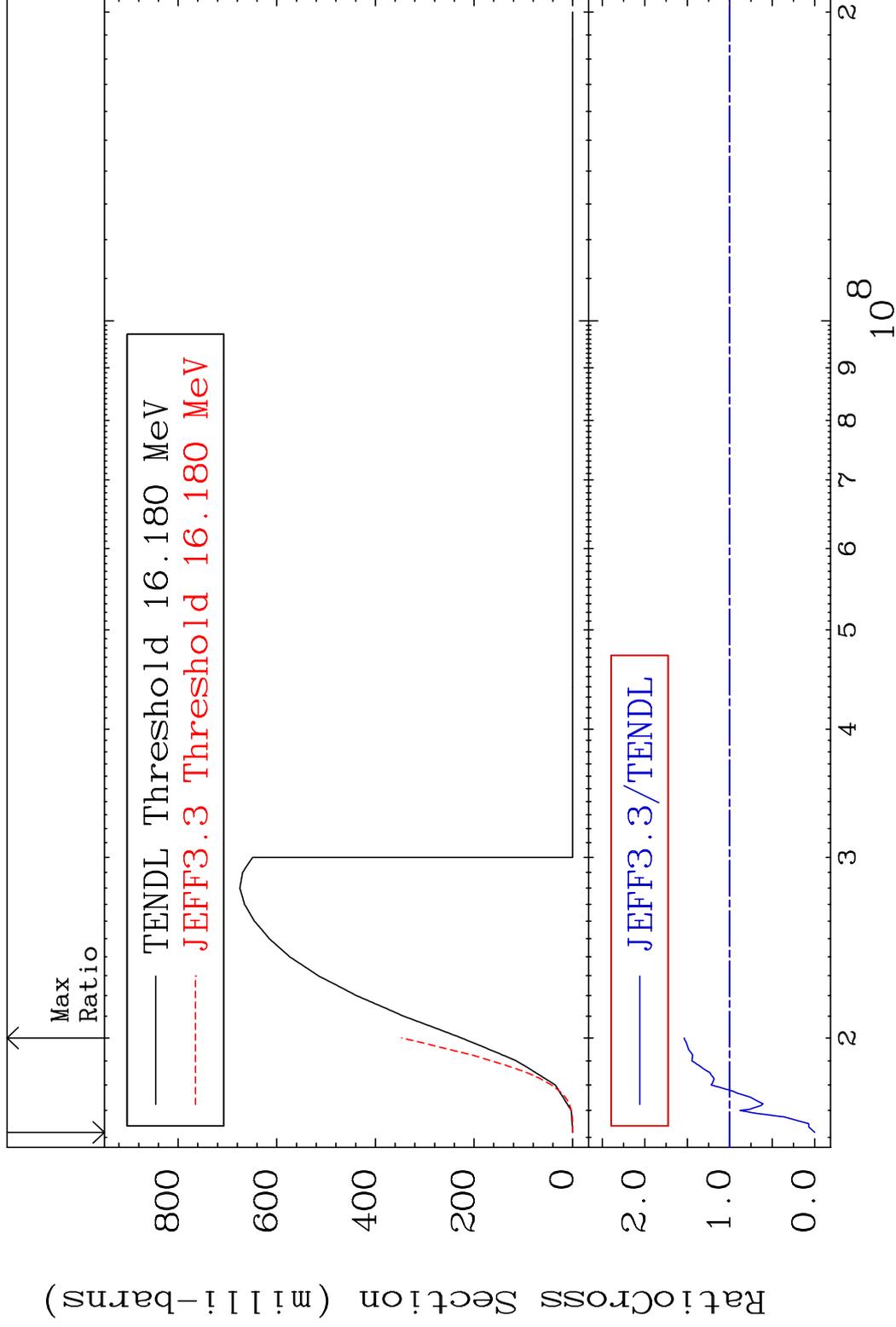
44-Ru-102

MAT 4443

(n,3n)

44-Ru-102

Cross Section -100.0 To 53.72 %

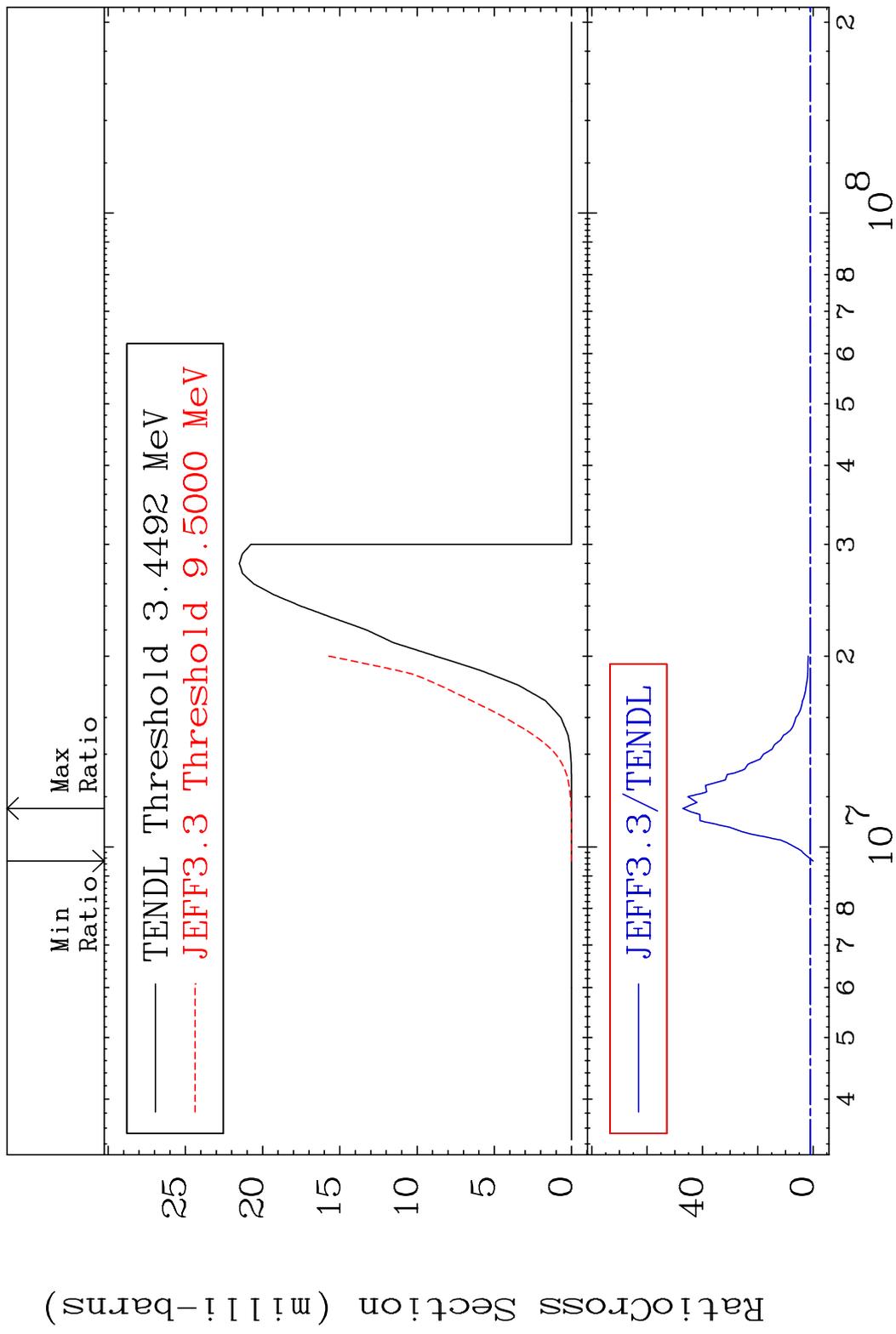


5

Incident Energy (eV)

44-Ru-102

MAT 4443 (n, n')  $\alpha$  44-Ru-102  
 Cross Section -100.0 To 4610. %

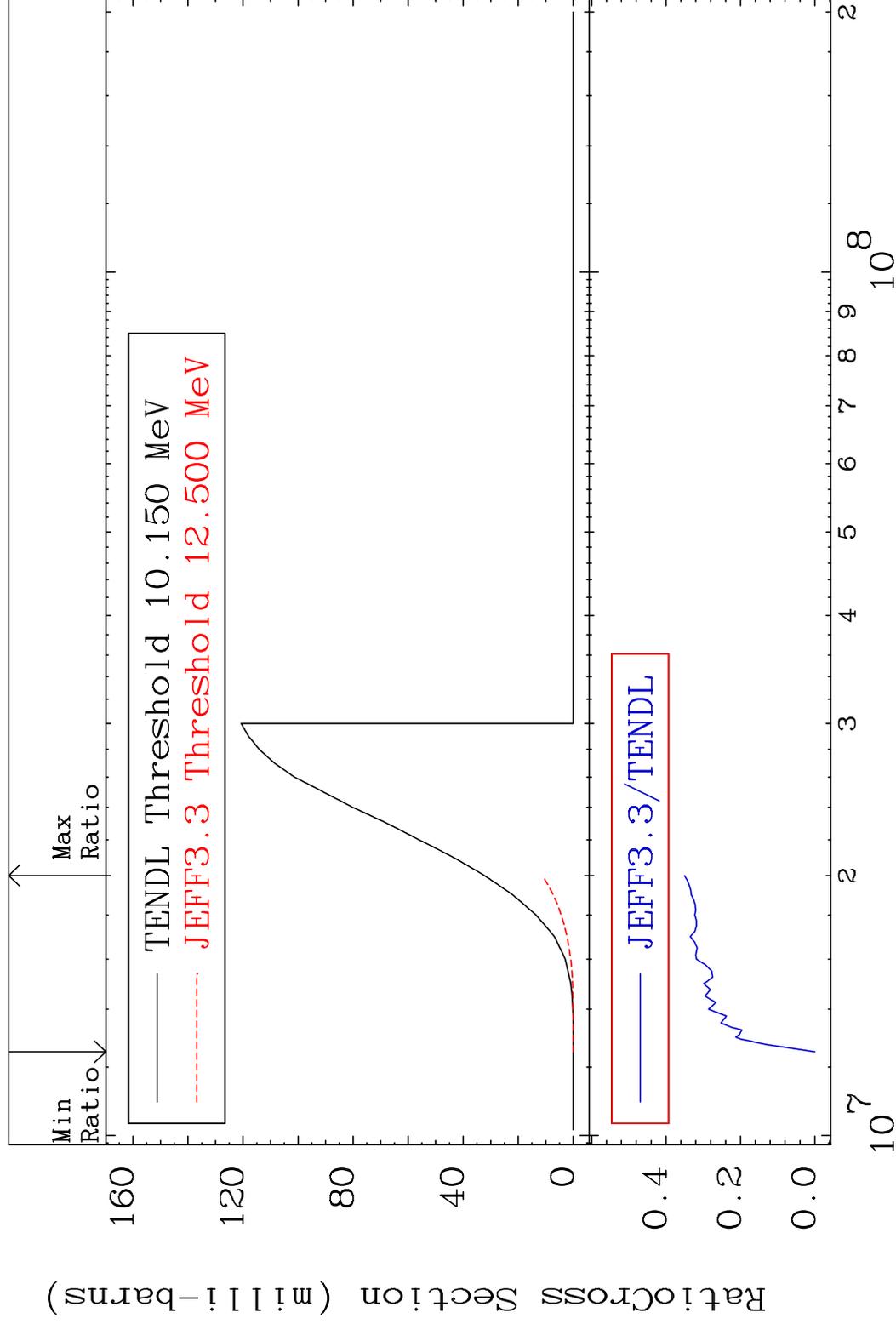


MAT 4443

(n, n') p

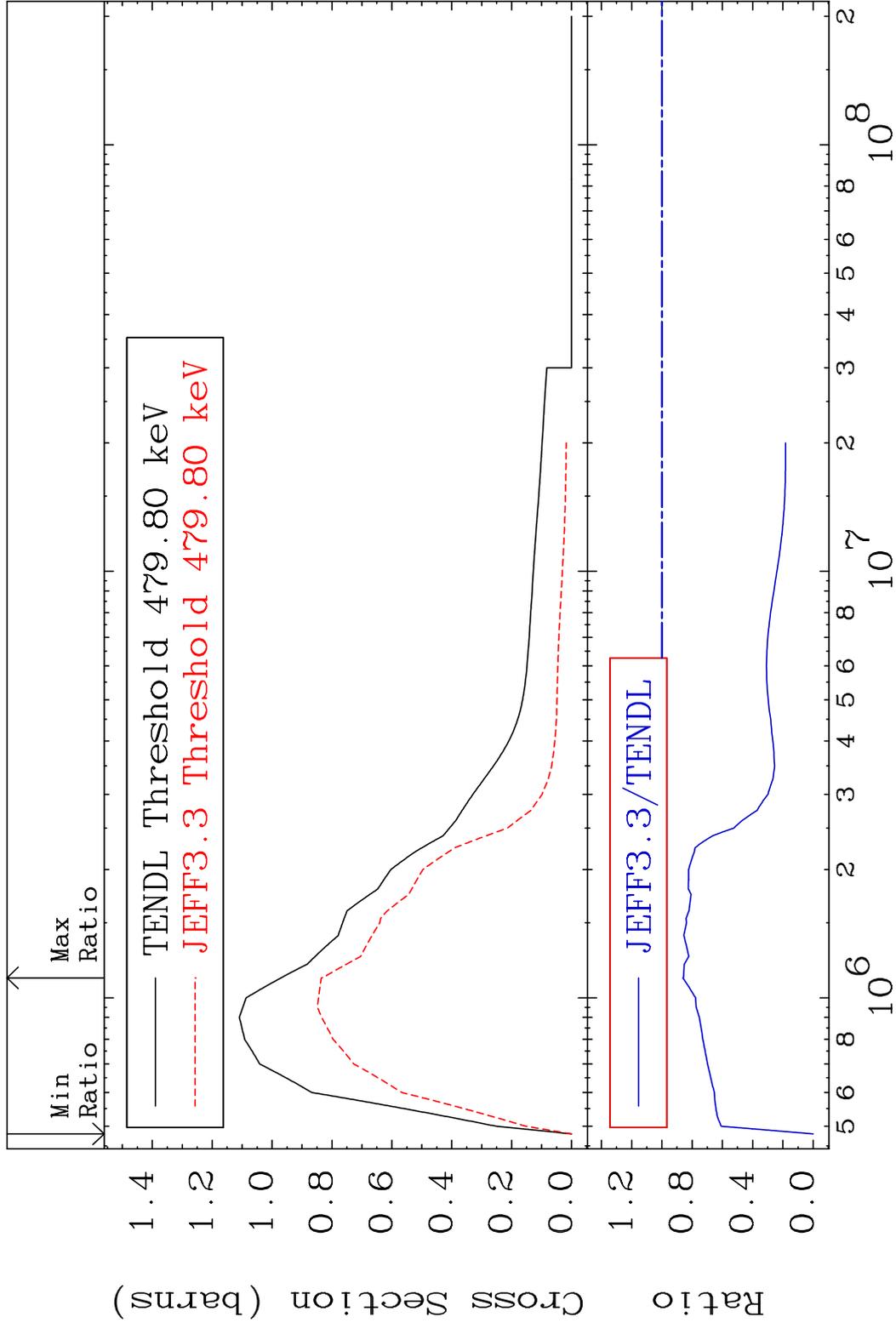
44-Ru-102

Cross Section -100.0 To -64.97%

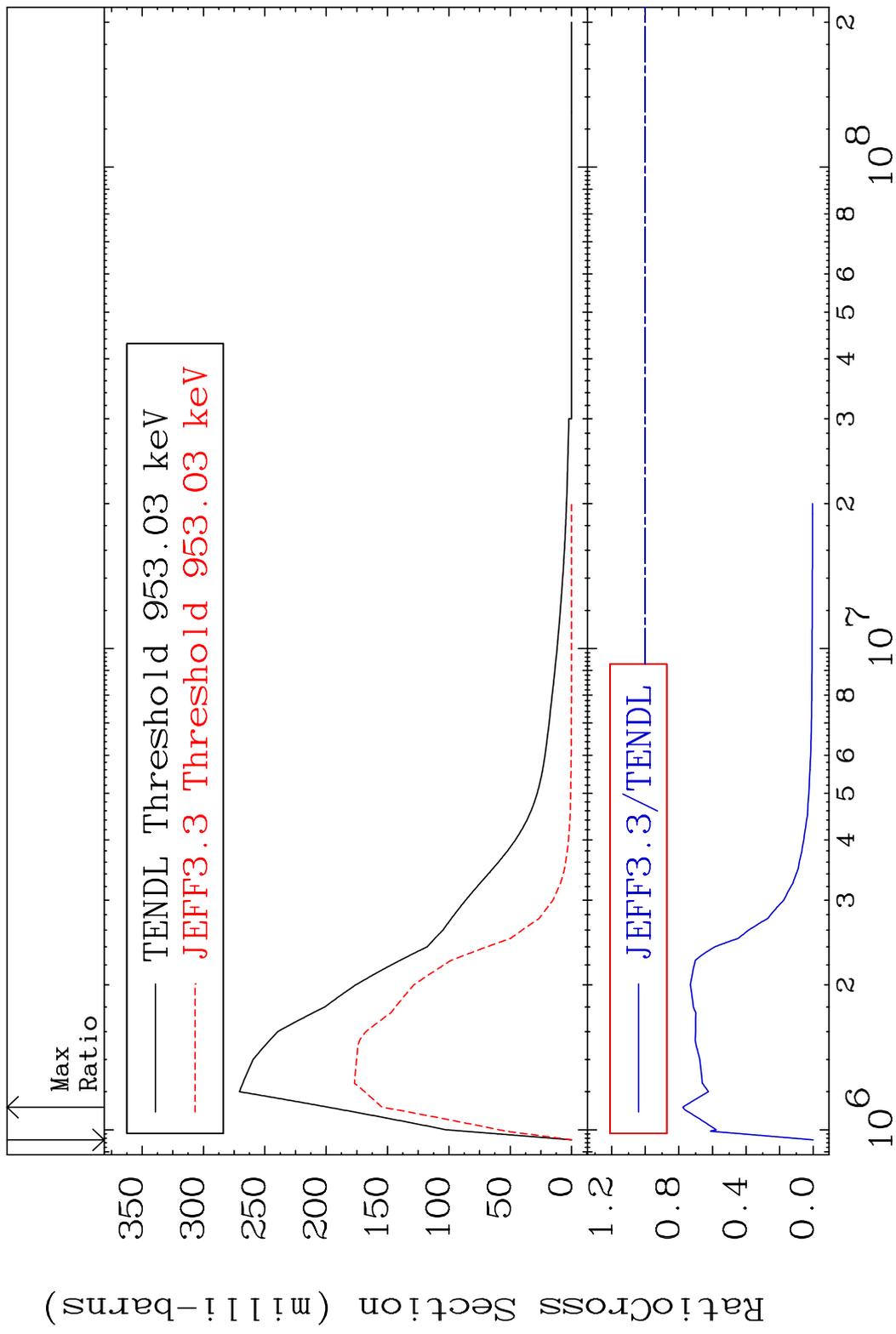


7 Incident Energy (eV) 44-Ru-102

MAT 4443 MT= 51 (n, n') Level 44-Ru-102  
 Cross Section -100.0 To -13.84%

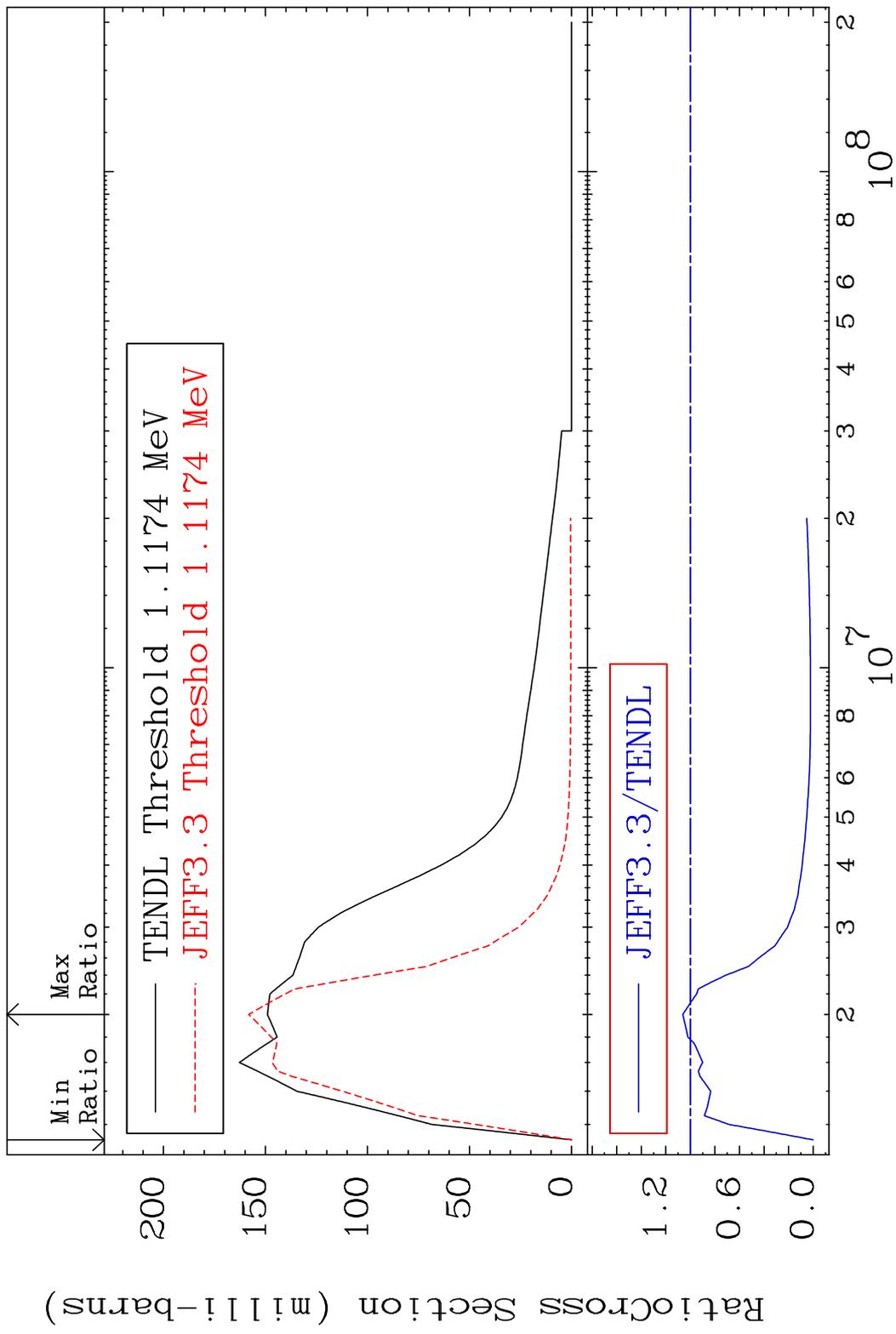


MAT 4443 MT= 52 (n, n') Level 44-Ru-102  
 Cross Section -100.0 To -22.37%

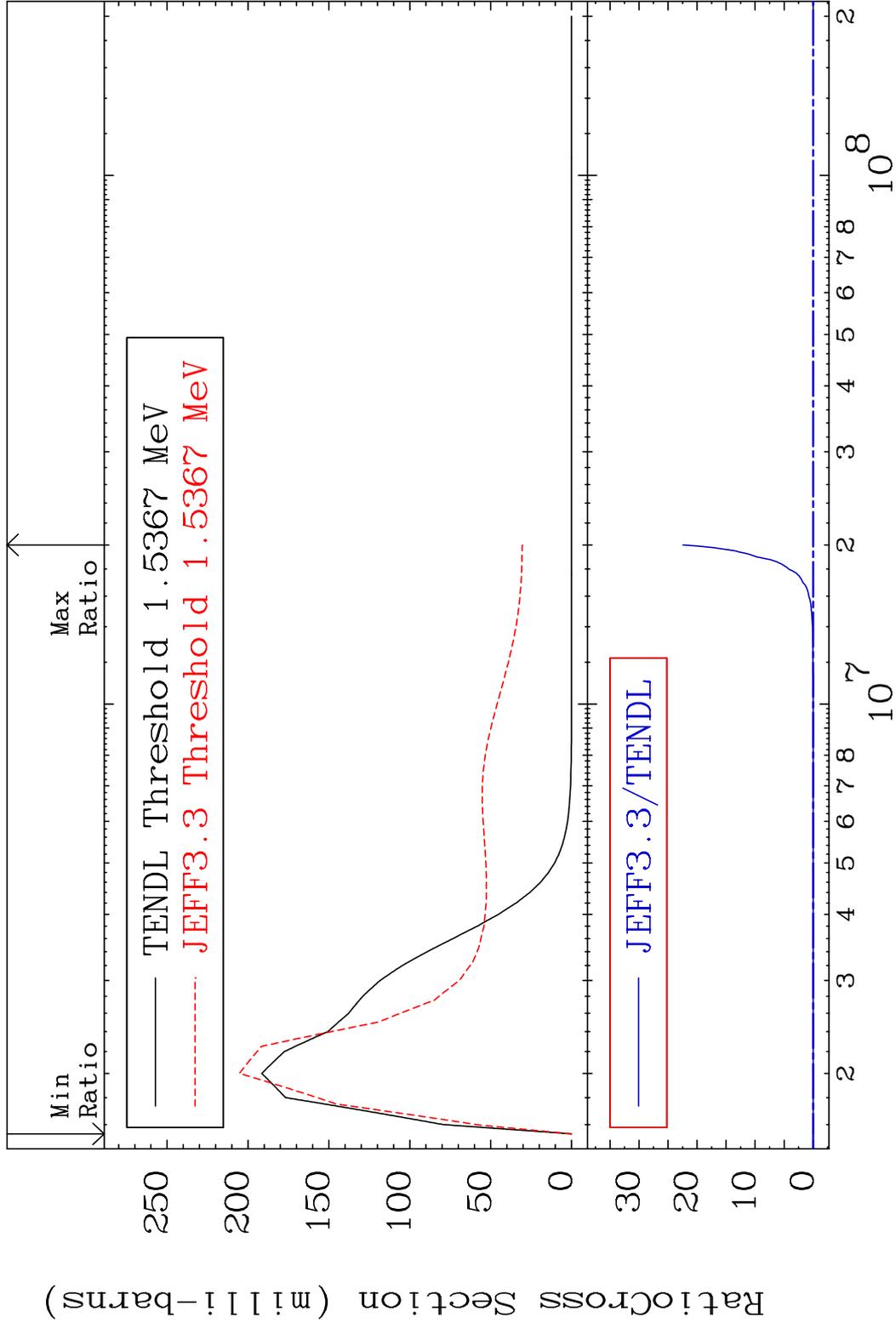




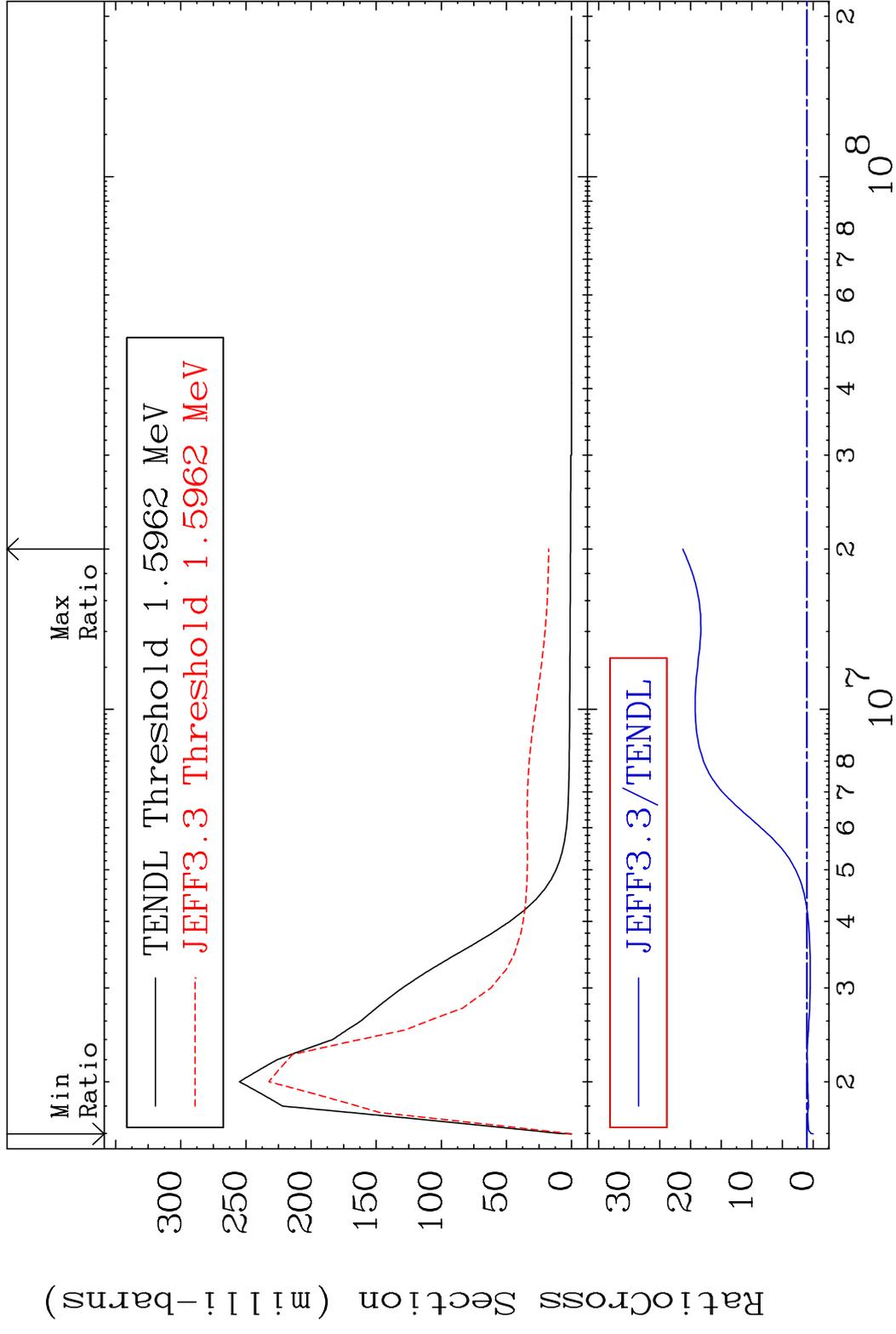
MAT 4443 MT= 54 (n, n') Level 44-Ru-102  
 Cross Section -100.0 To 6.143 %



MAT 4443 MT= 55 (n, n') Level 44-Ru-102  
 Cross Section -100.0 To 9999. %



MAT 4443 MT= 56 (n, n') Level 44-Ru-102  
 Cross Section -100.0 To 2026. %

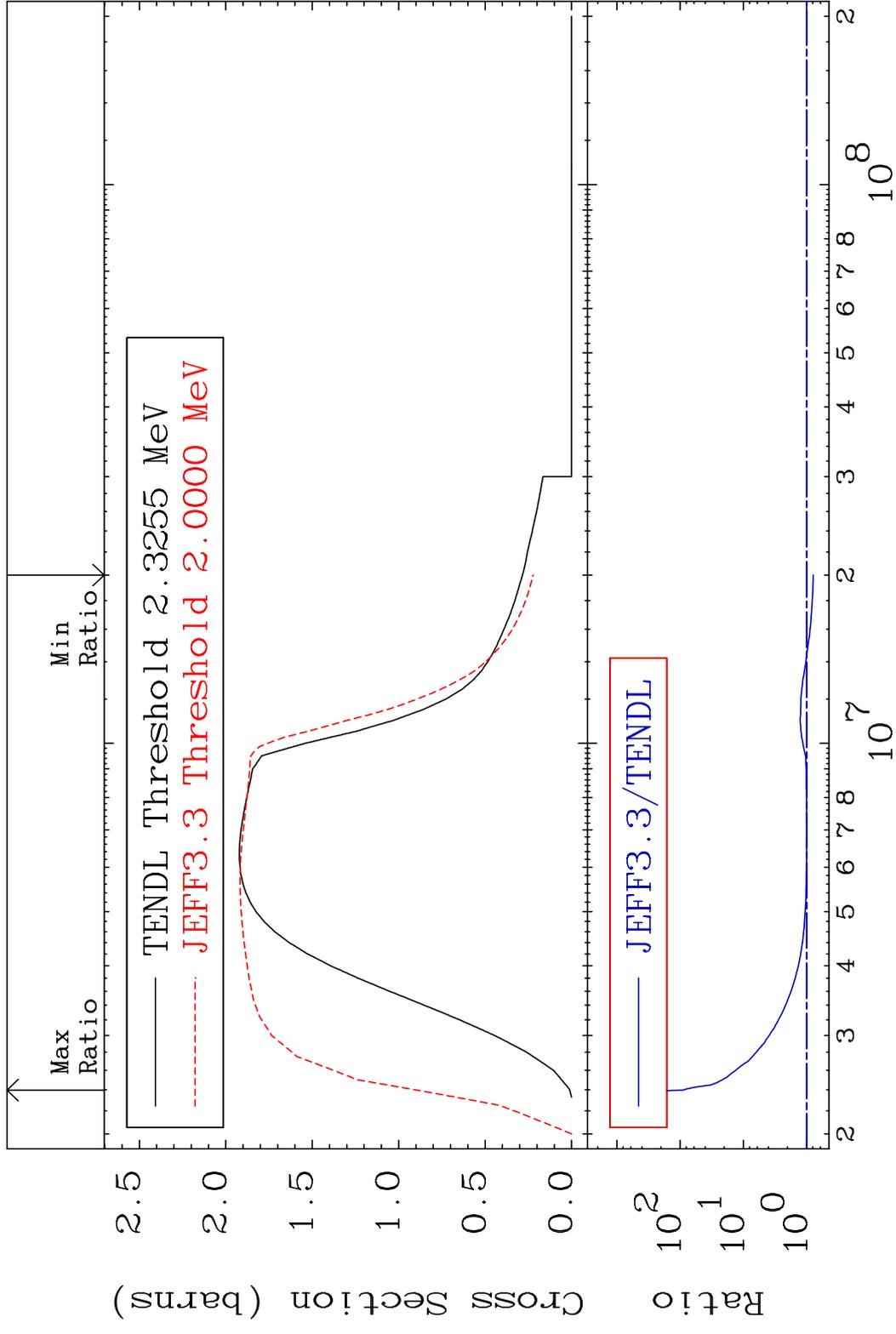


MAT 4443

(n, n') Continuum

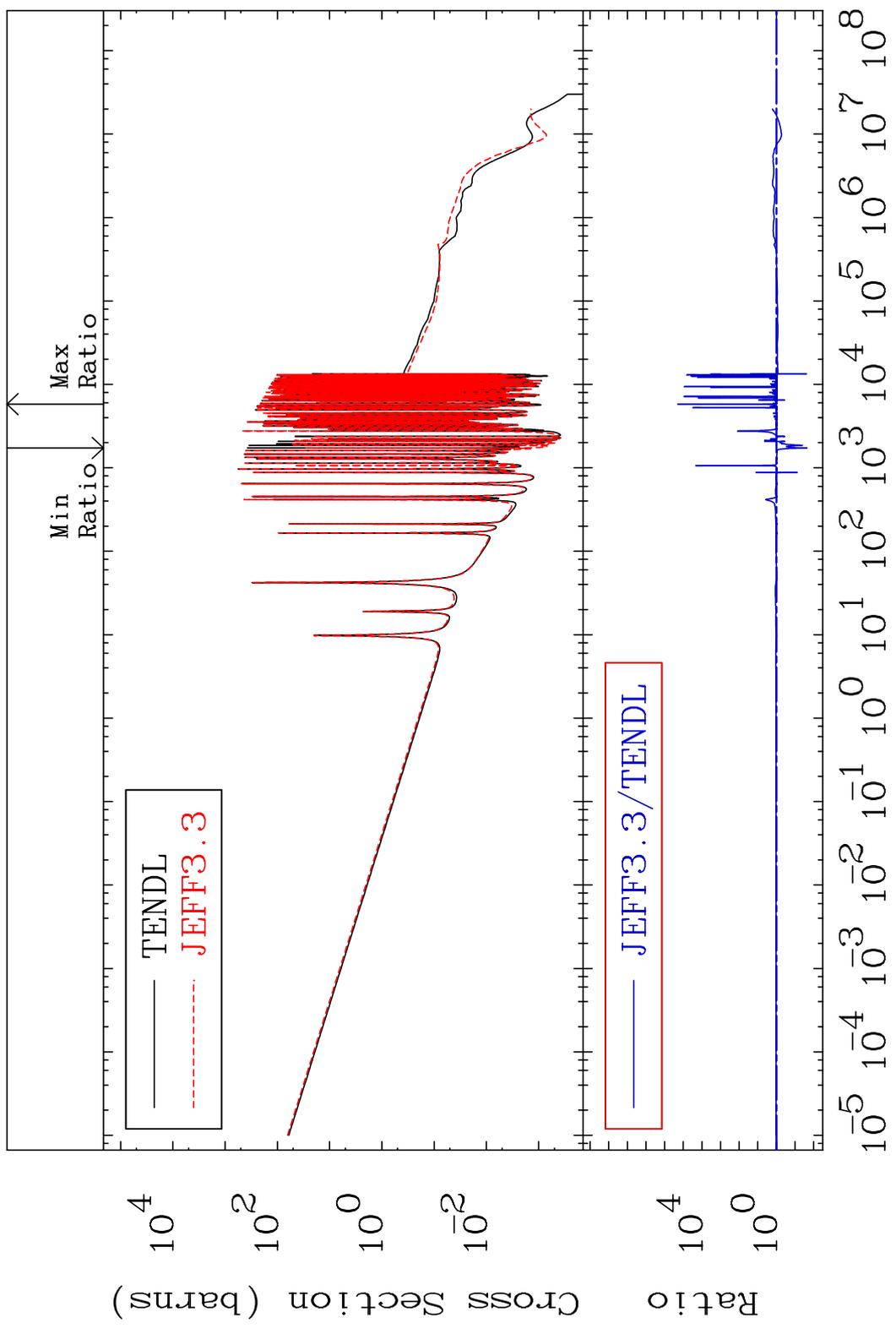
44-Ru-102

Cross Section -21.47 To 8939. %



MAT 4443

(n,  $\gamma$ )  
Cross Section -97.73 To 9999. %  
44-Ru-102



15

Incident Energy (eV)

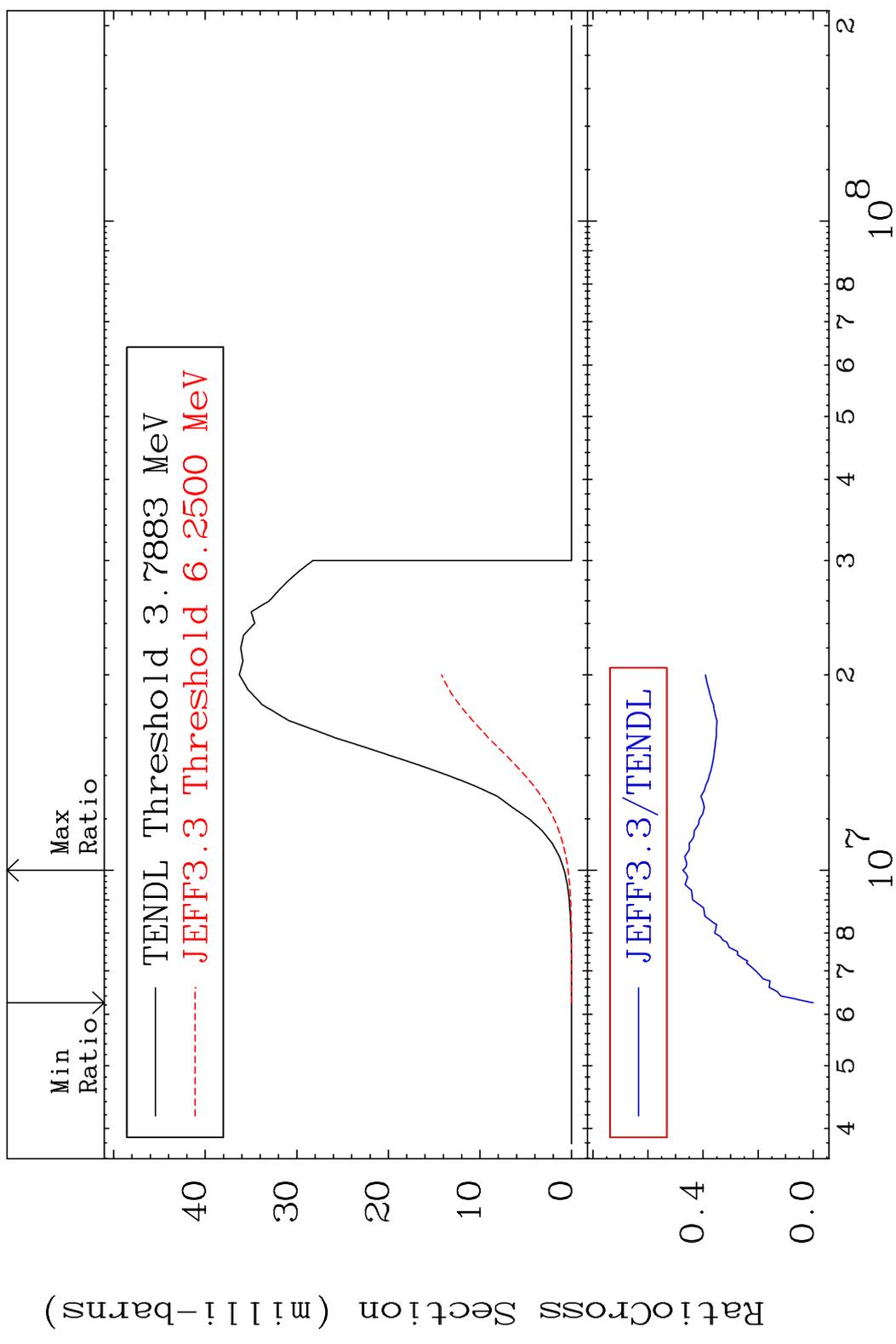
44-Ru-102

MAT 4443

(n, p)

44-Ru-102

Cross Section -100.0 To -52.67%

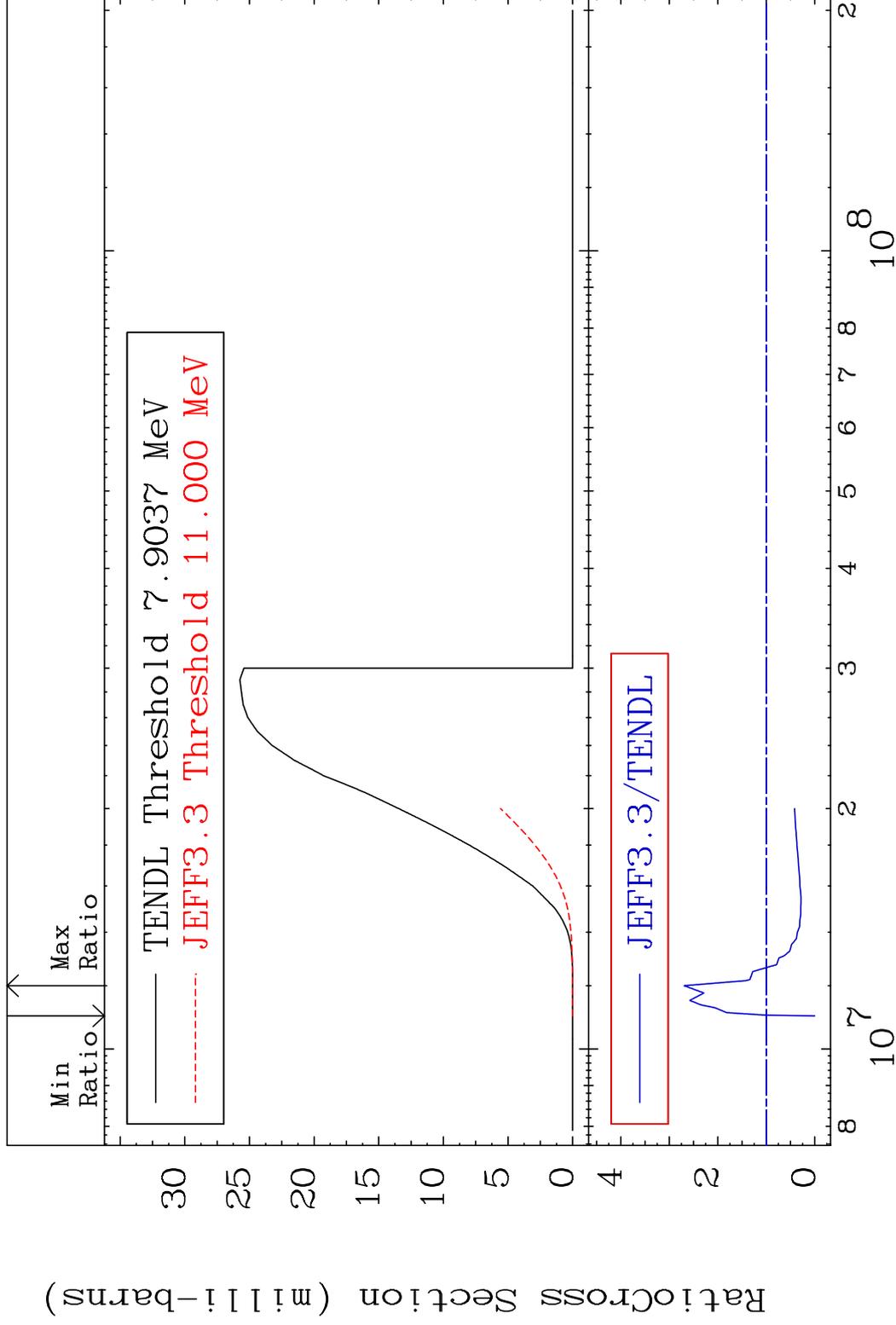


MAT 4443

(n, d)

44-Ru-102

Cross Section -100.0 To 169.3 %



17

Incident Energy (eV)

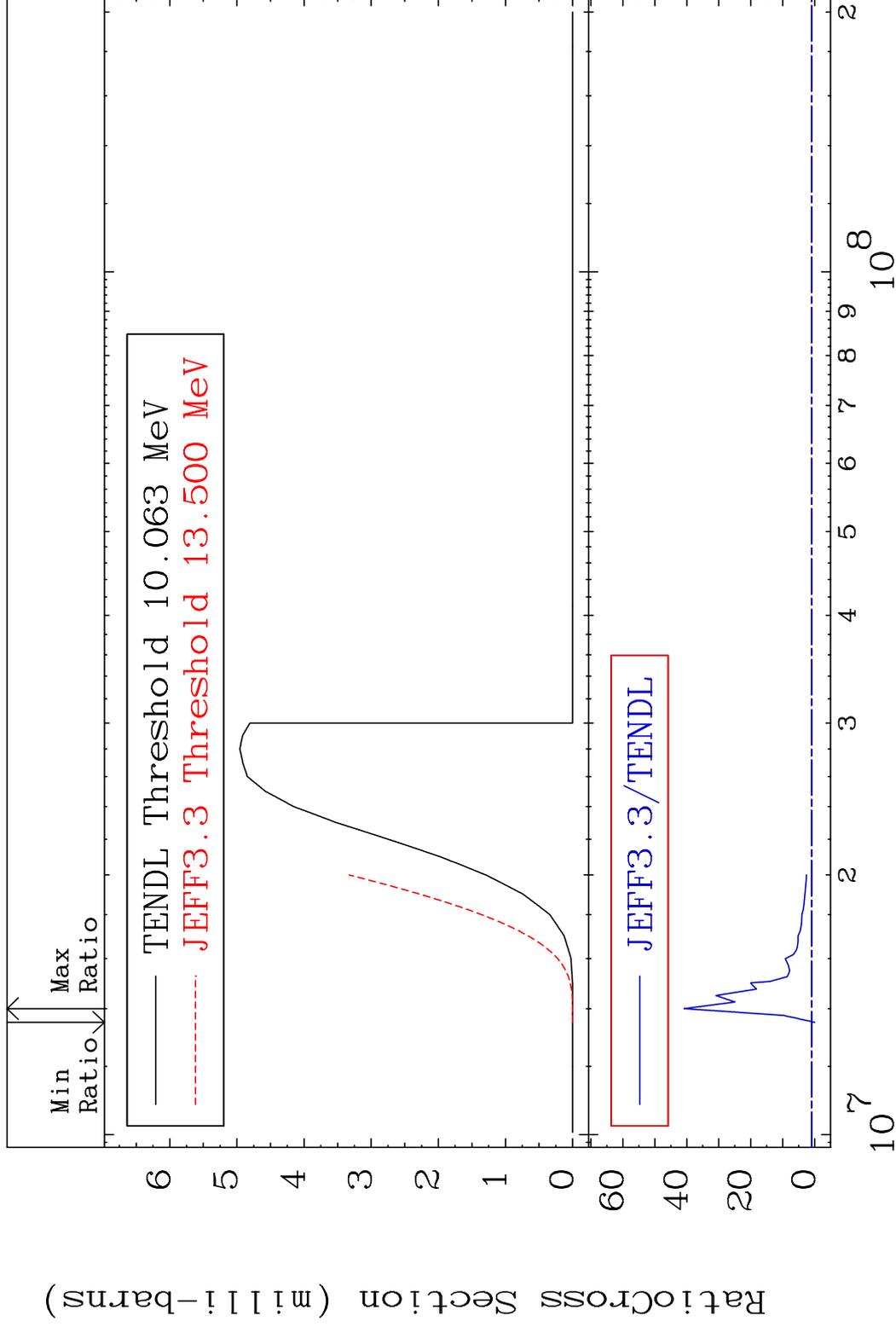
44-Ru-102

MAT 4443

(n, t)

44-Ru-102

Cross Section -100.0 To 3984. %



18

Incident Energy (eV)

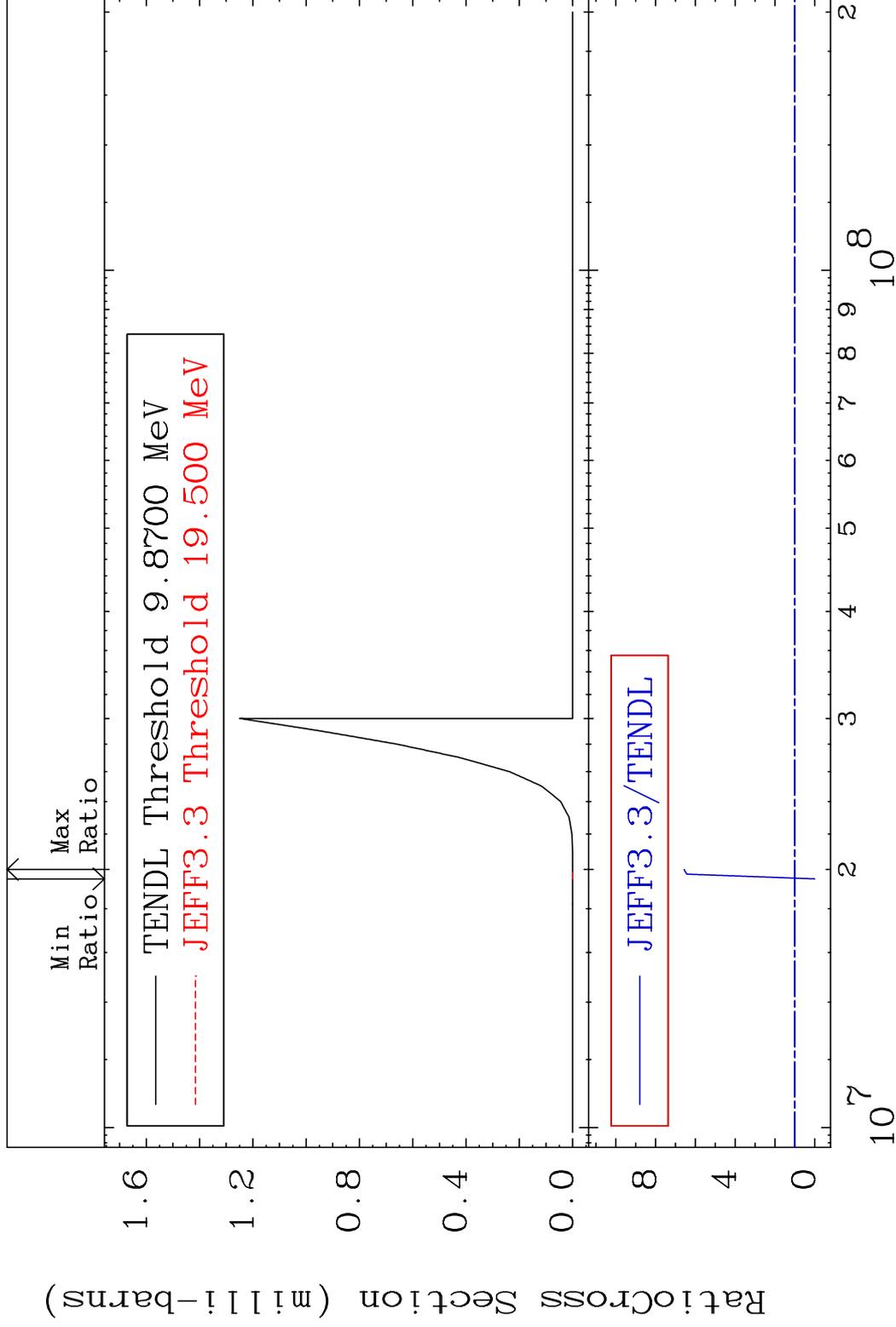
44-Ru-102

MAT 4443

(n, He-3)

44-Ru-102

Cross Section -100.0 To 556.6 %



Incident Energy (eV)

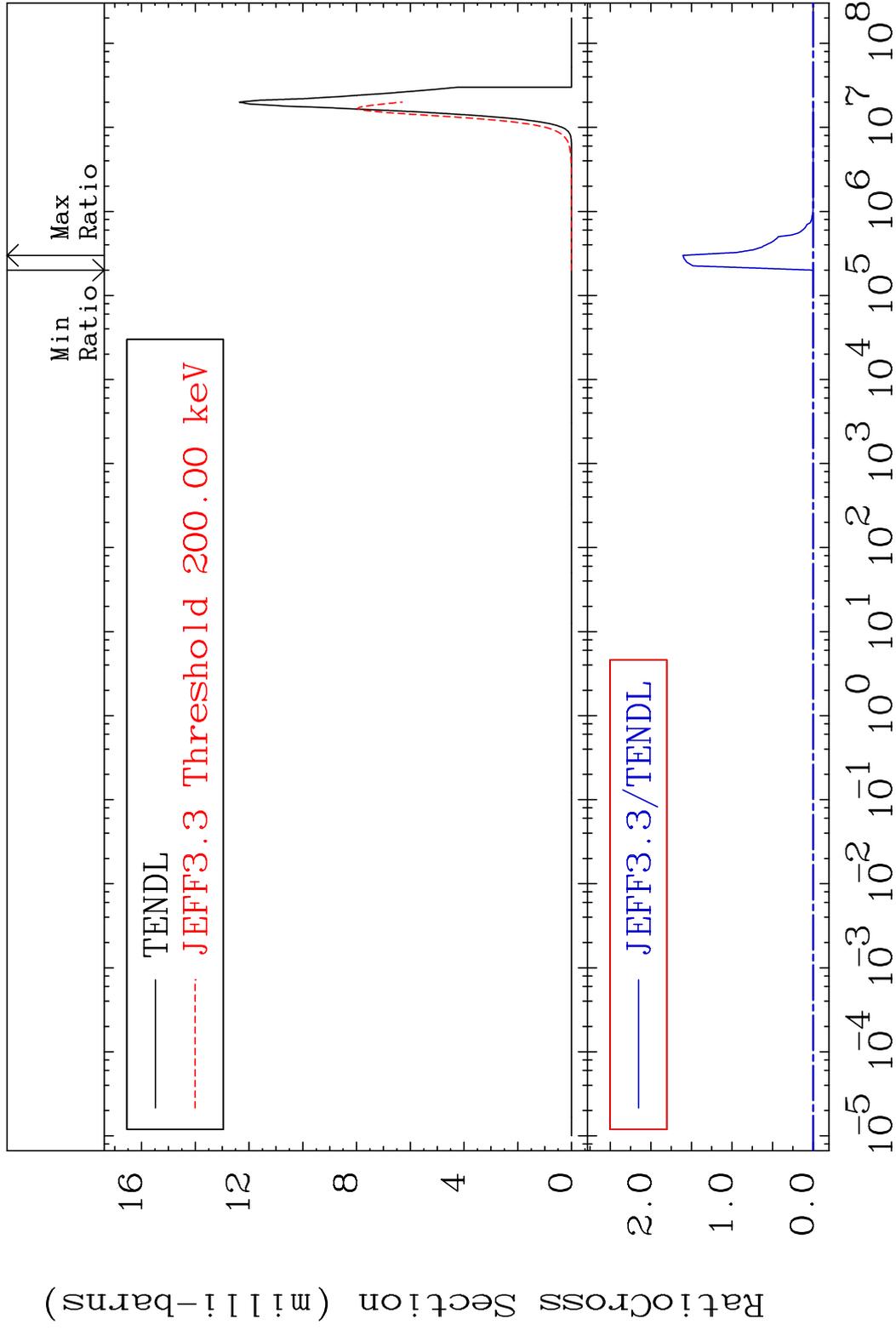
44-Ru-102

MAT 4443

(n,  $\alpha$ )

44-Ru-102

Cross Section -100.0 To 9999. %



20

Incident Energy (eV)

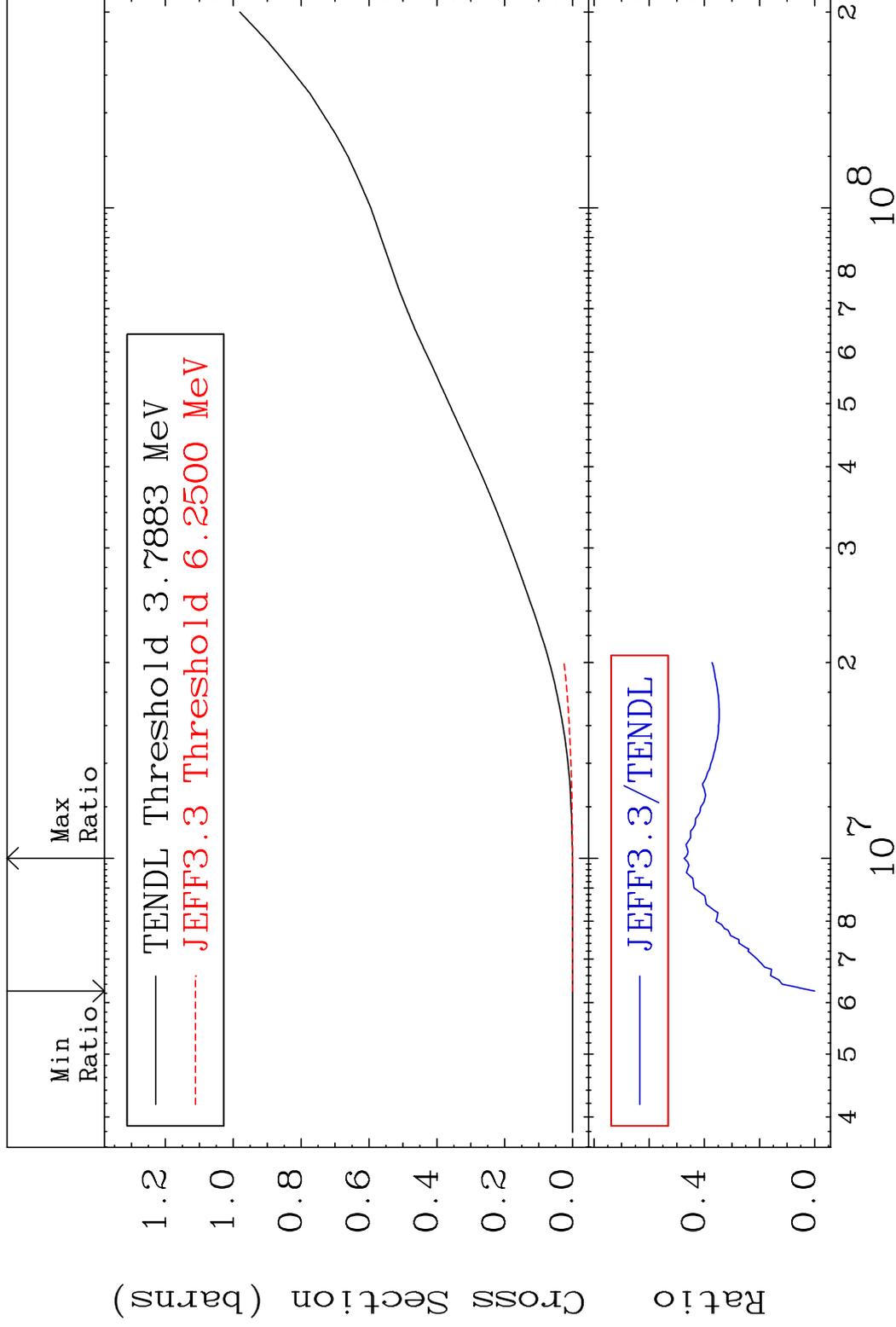
44-Ru-102

MAT 4443

Hydrogen Production

44-Ru-102

Cross Section -100.0 To -52.67%



21

Incident Energy (eV)

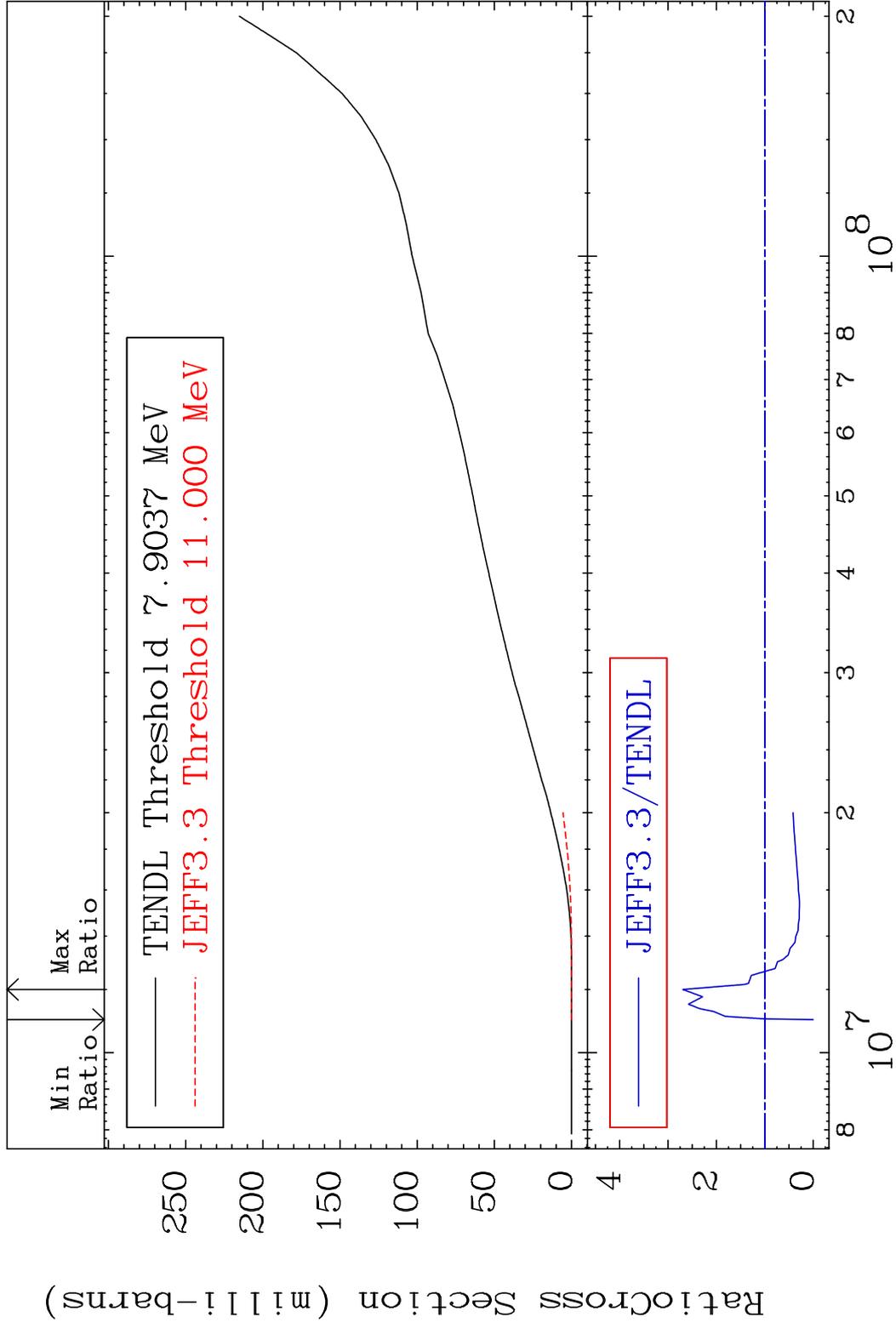
44-Ru-102

MAT 4443

Deuterium Production

44-Ru-102

Cross Section -100.0 To 169.3 %

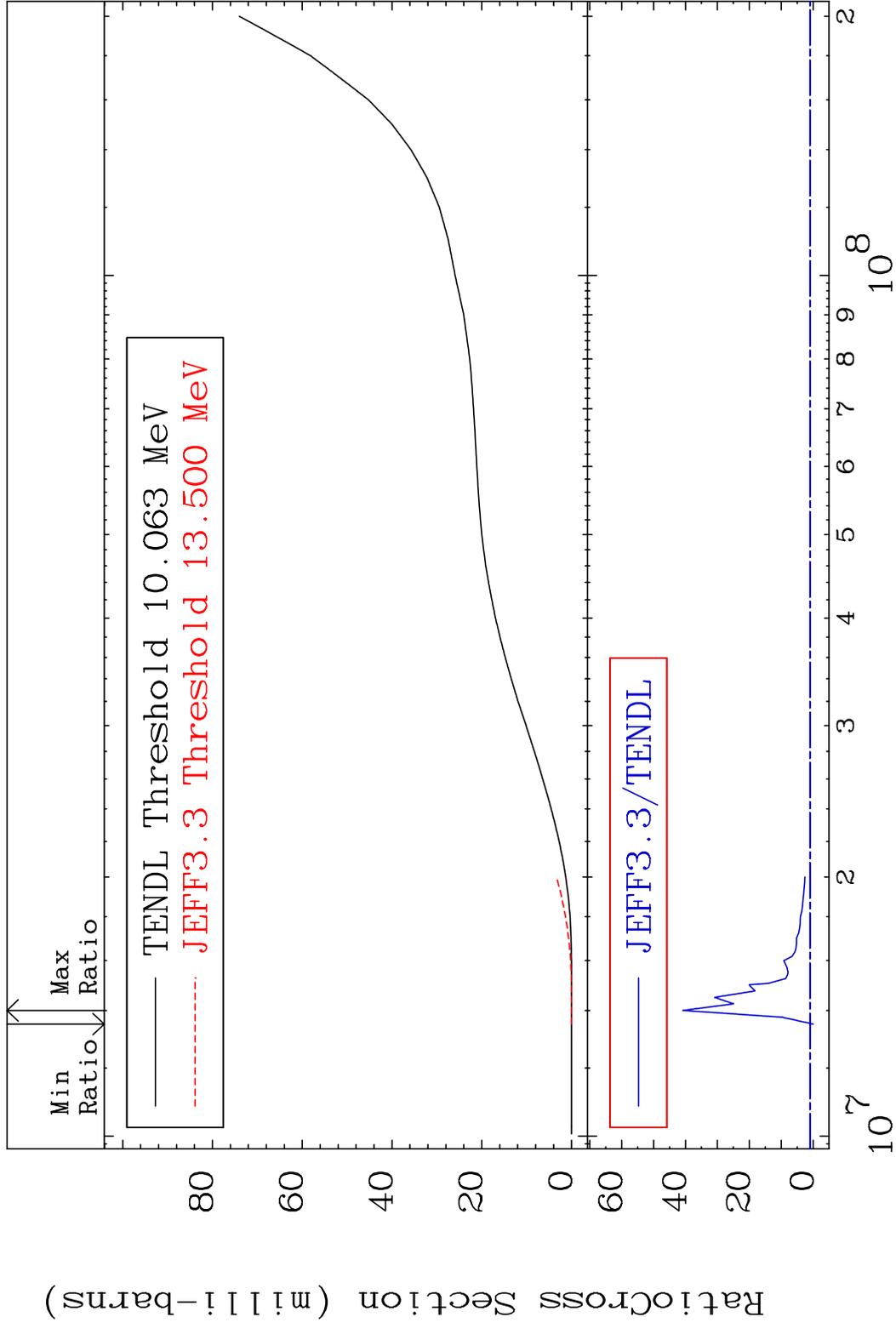


MAT 4443

Tritium Production

44-Ru-102

Cross Section -100.0 To 3984. %



23

Incident Energy (eV)

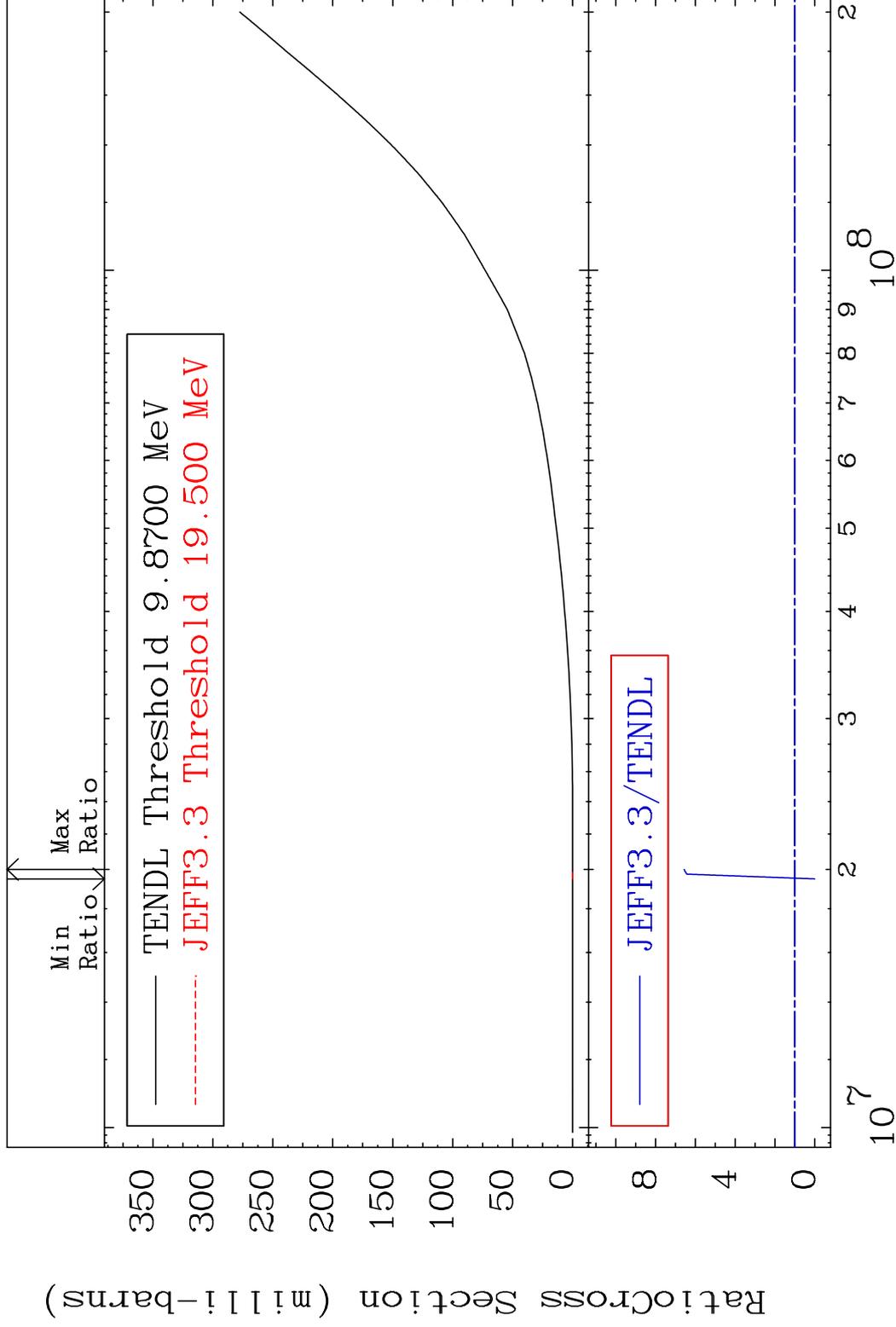
44-Ru-102

MAT 4443

He-3 Production

44-Ru-102

Cross Section -100.0 To 556.6 %



24

Incident Energy (eV)

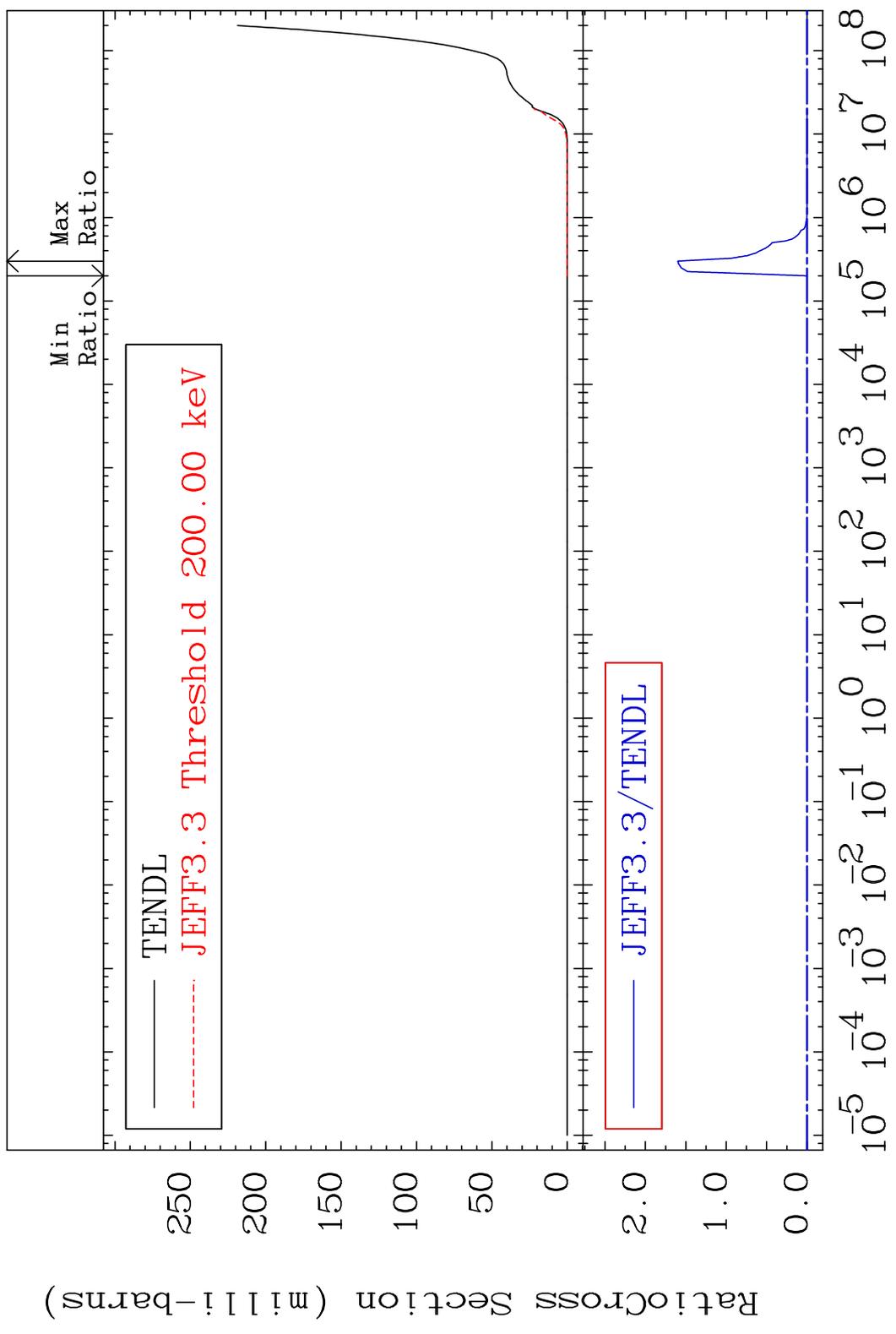
44-Ru-102

MAT 4443

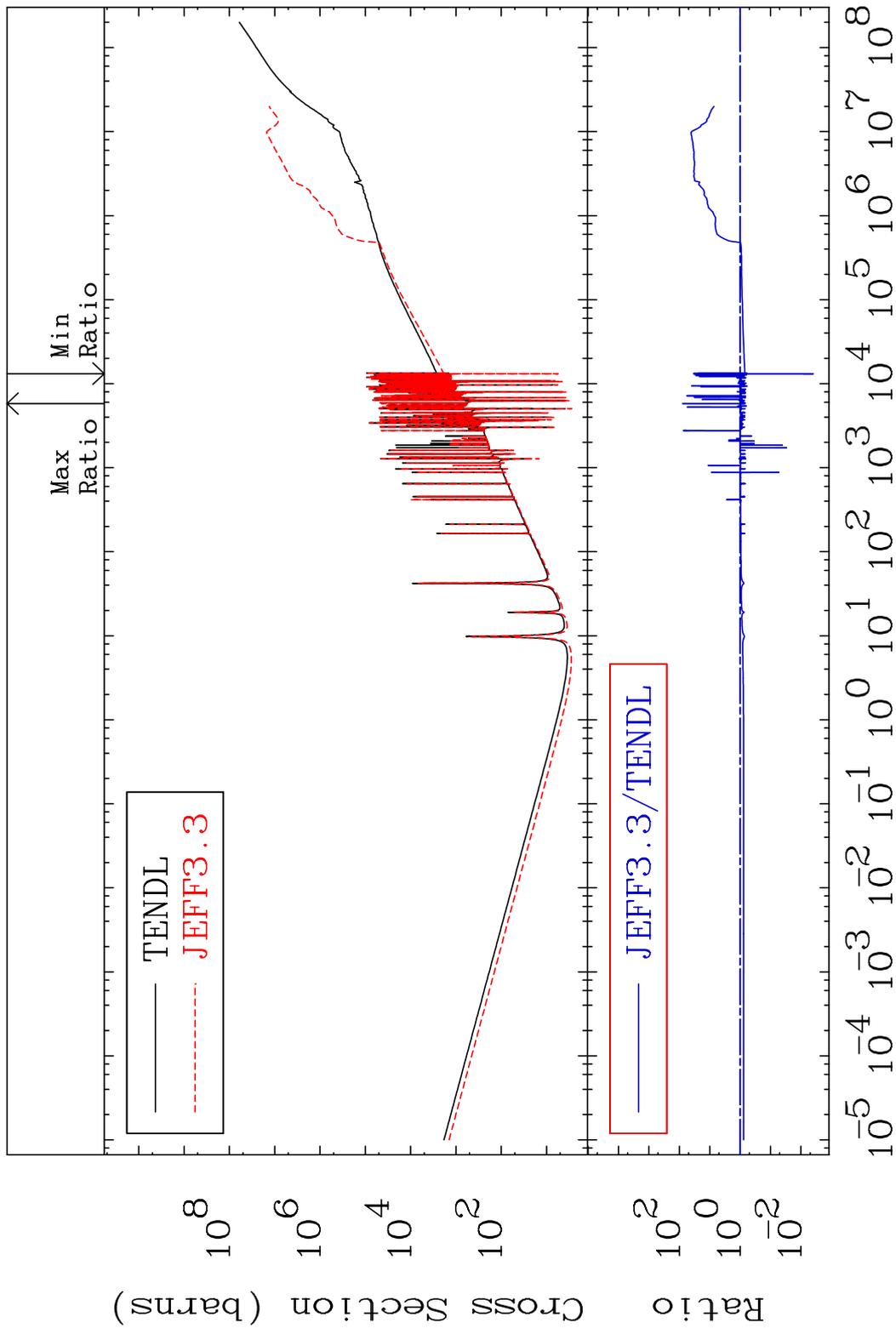
He-4 Production

44-Ru-102

Cross Section -100.0 To 9999. %



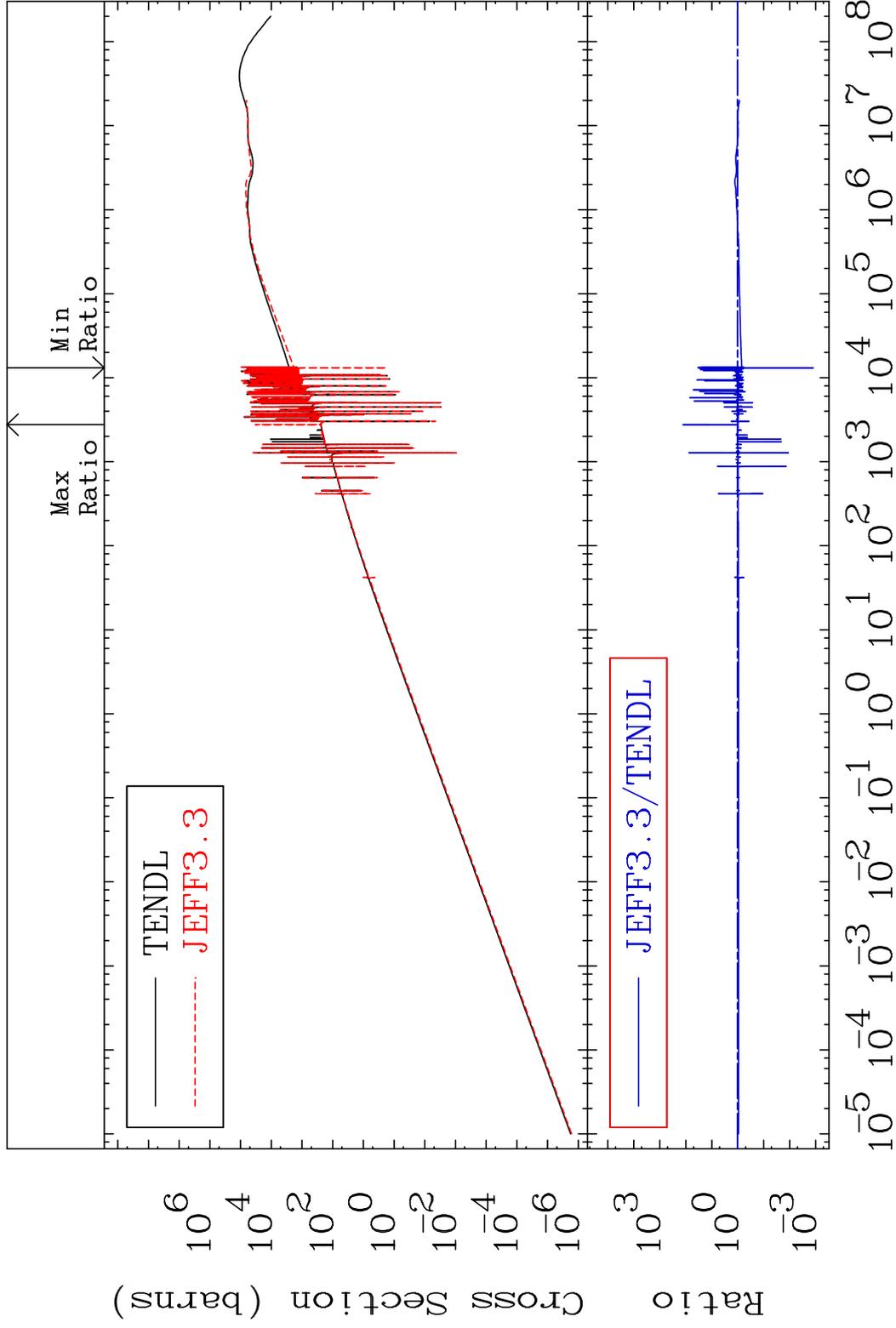
MAT 4443 Kerma total (eV-barns) 44-Ru-102  
 Cross Section -99.60 To 7574. %



MAT 4443

Kerma elastic  
Cross Section

44-Ru-102  
-99.87 To 9999. %

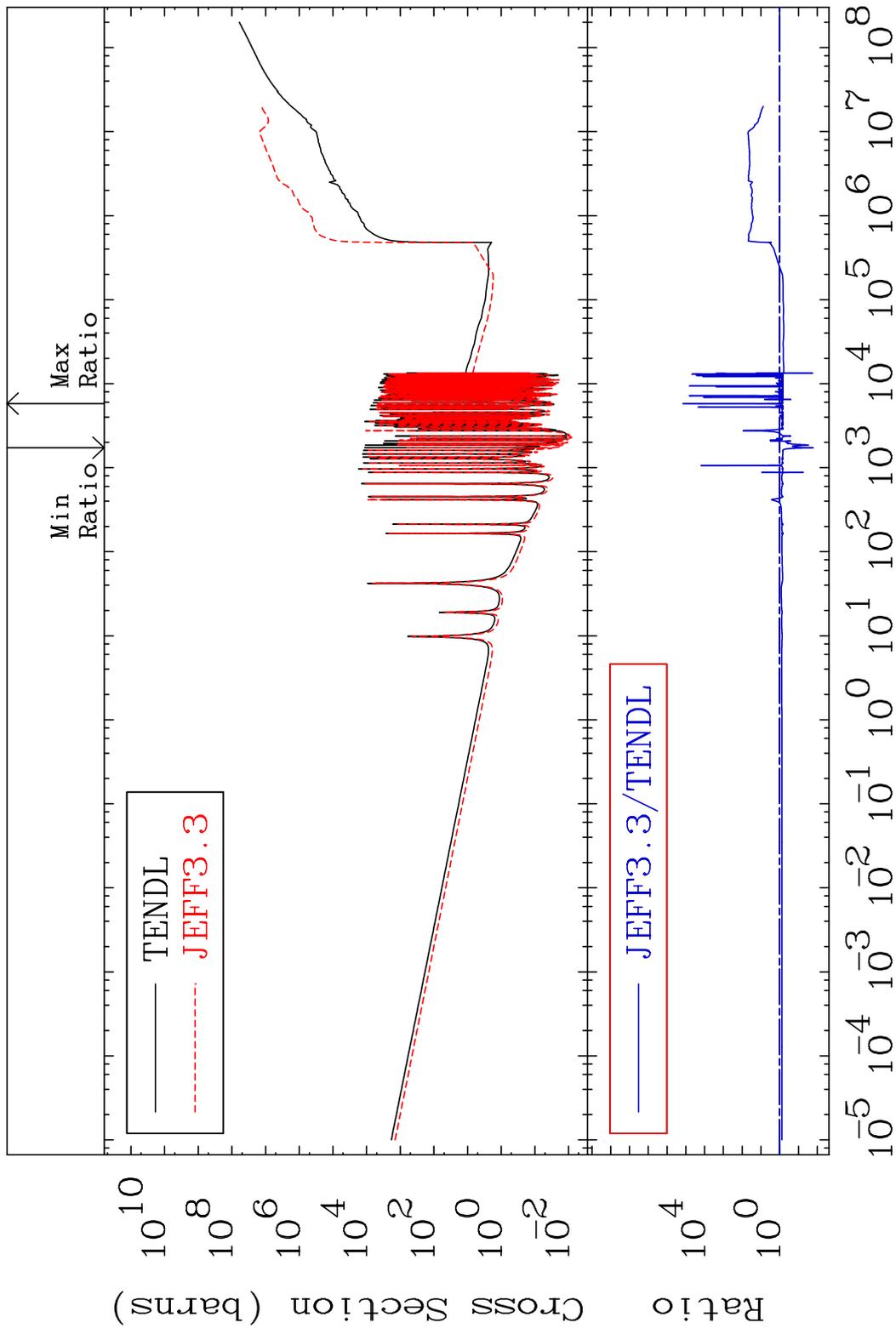


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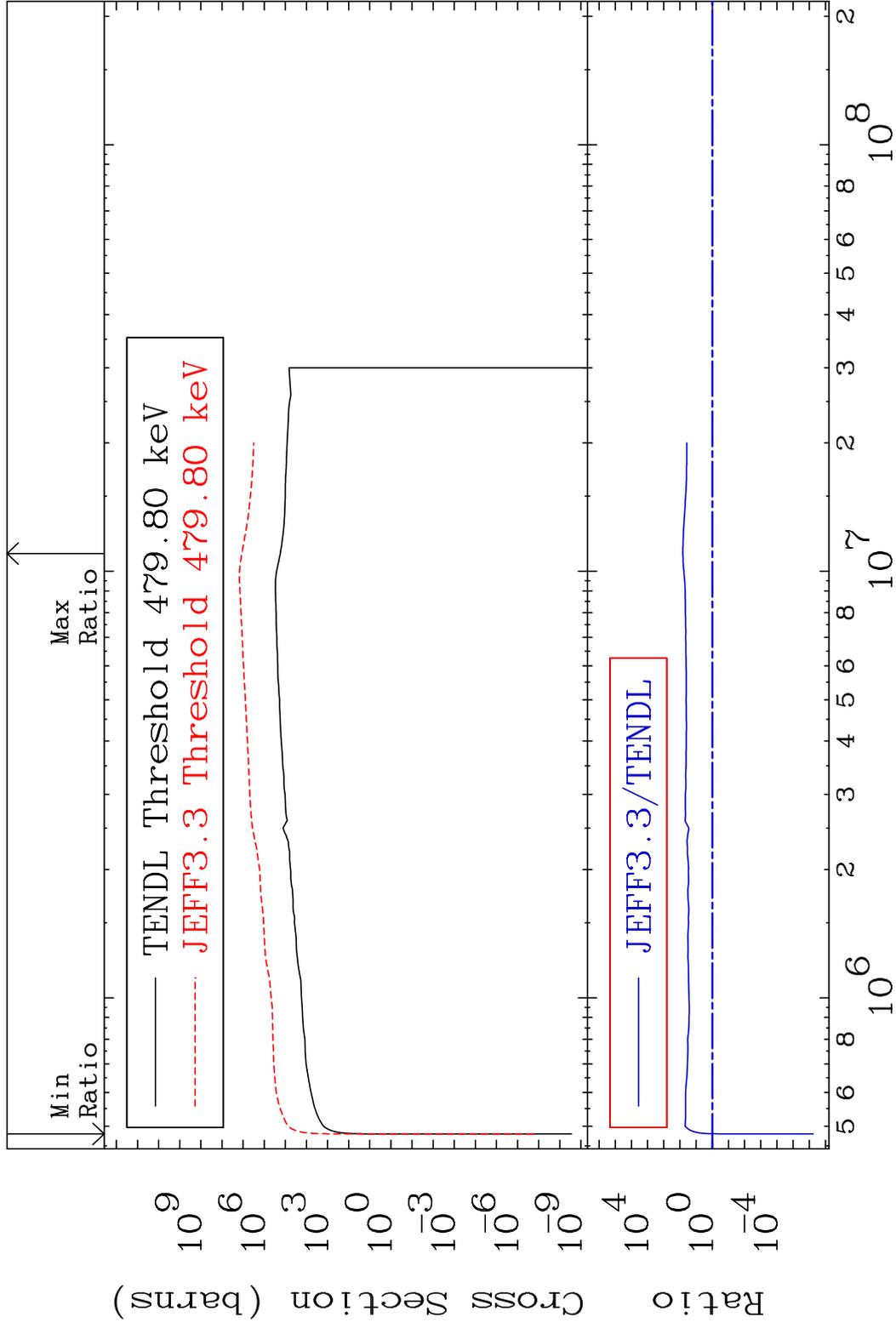
Incident Energy (eV)

44-Ru-102

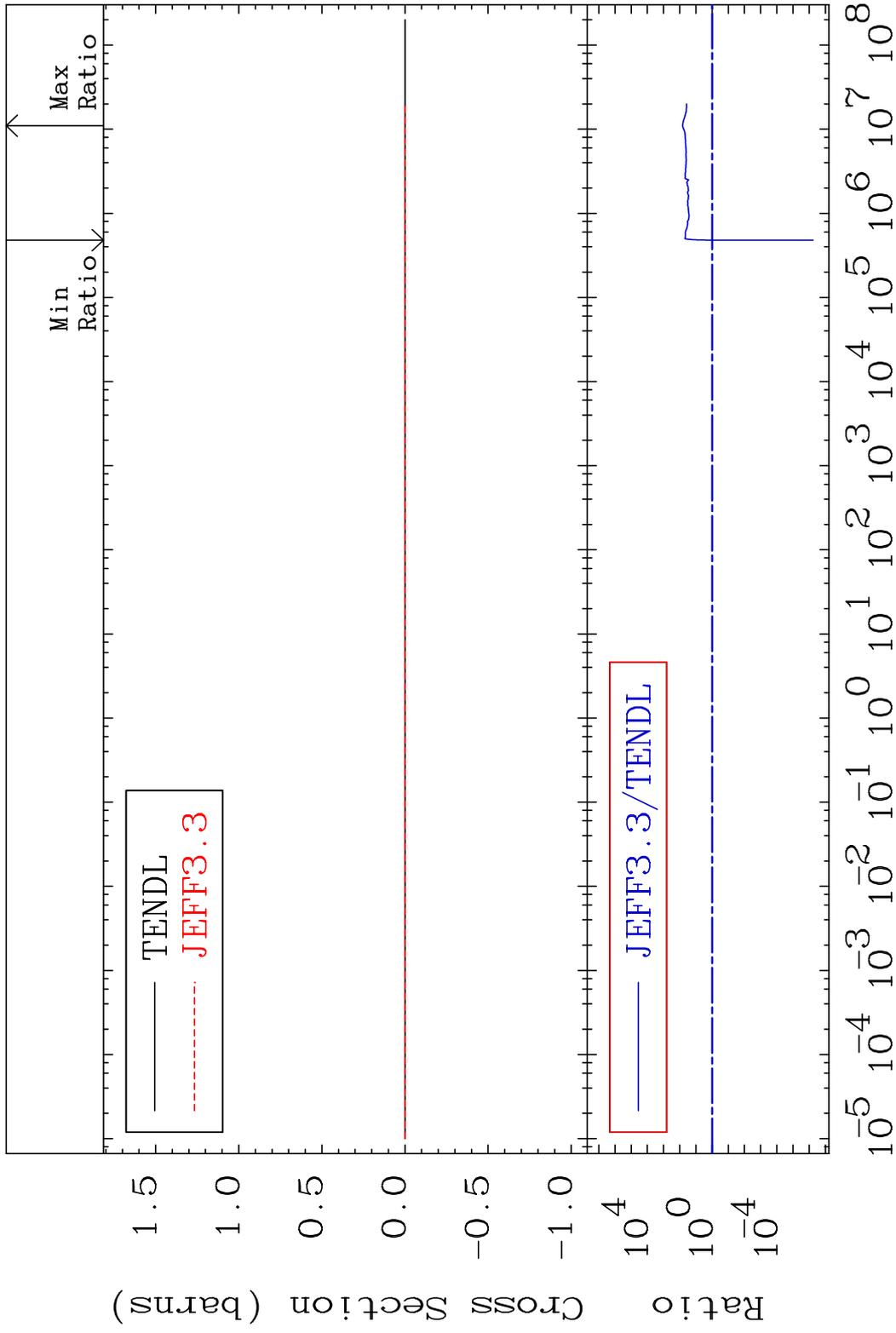
MAT 4443 Kerma non-elastic (all but mt2) 44-Ru-102  
 Cross Section -98.34 To 9999. %



MAT 4443 Kerma inelastic (mt51-91) 44-Ru-102  
 Cross Section -100.0 To 6514. %

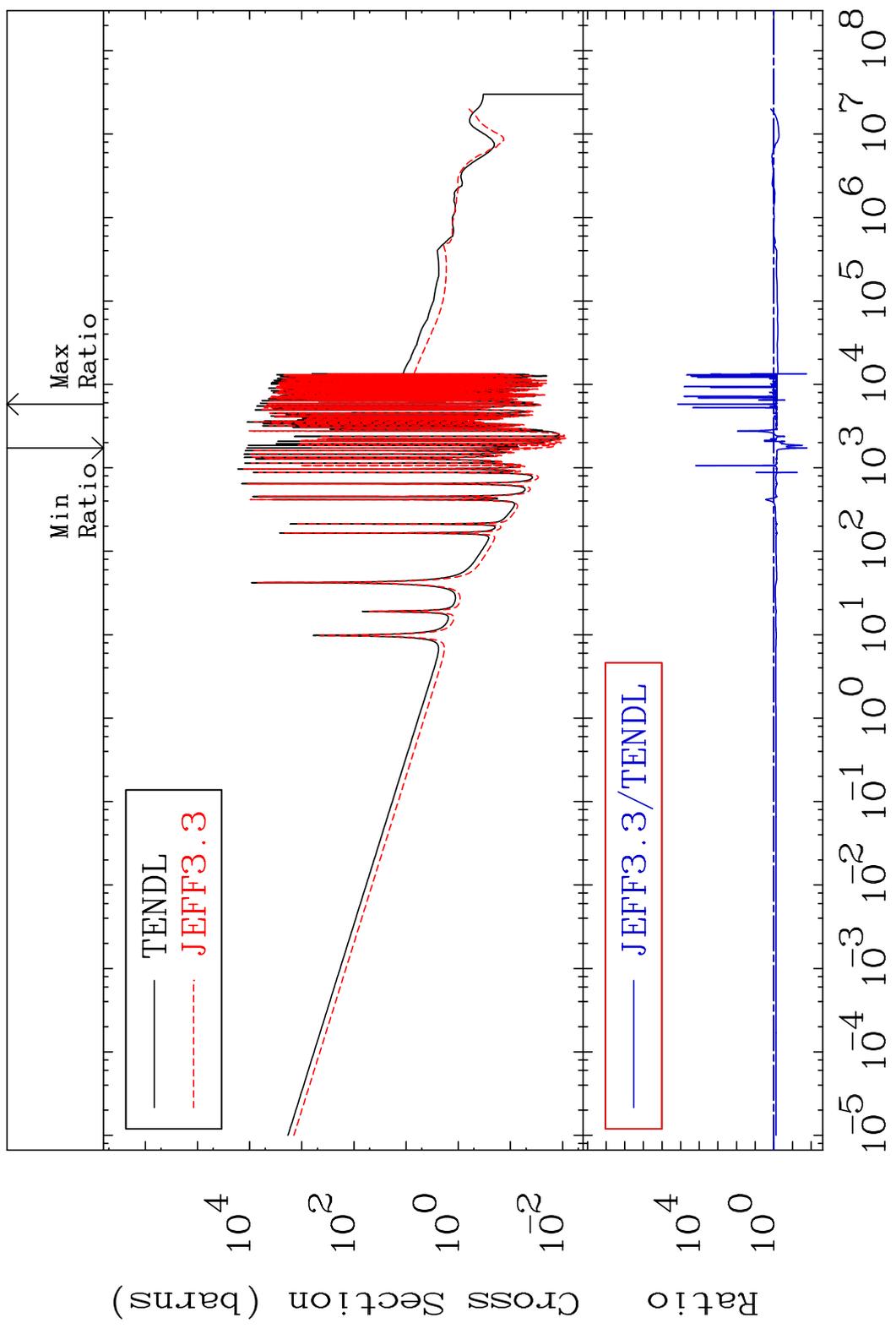


MAT 4443 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-102  
 Cross Section -100.0 To 6514. %

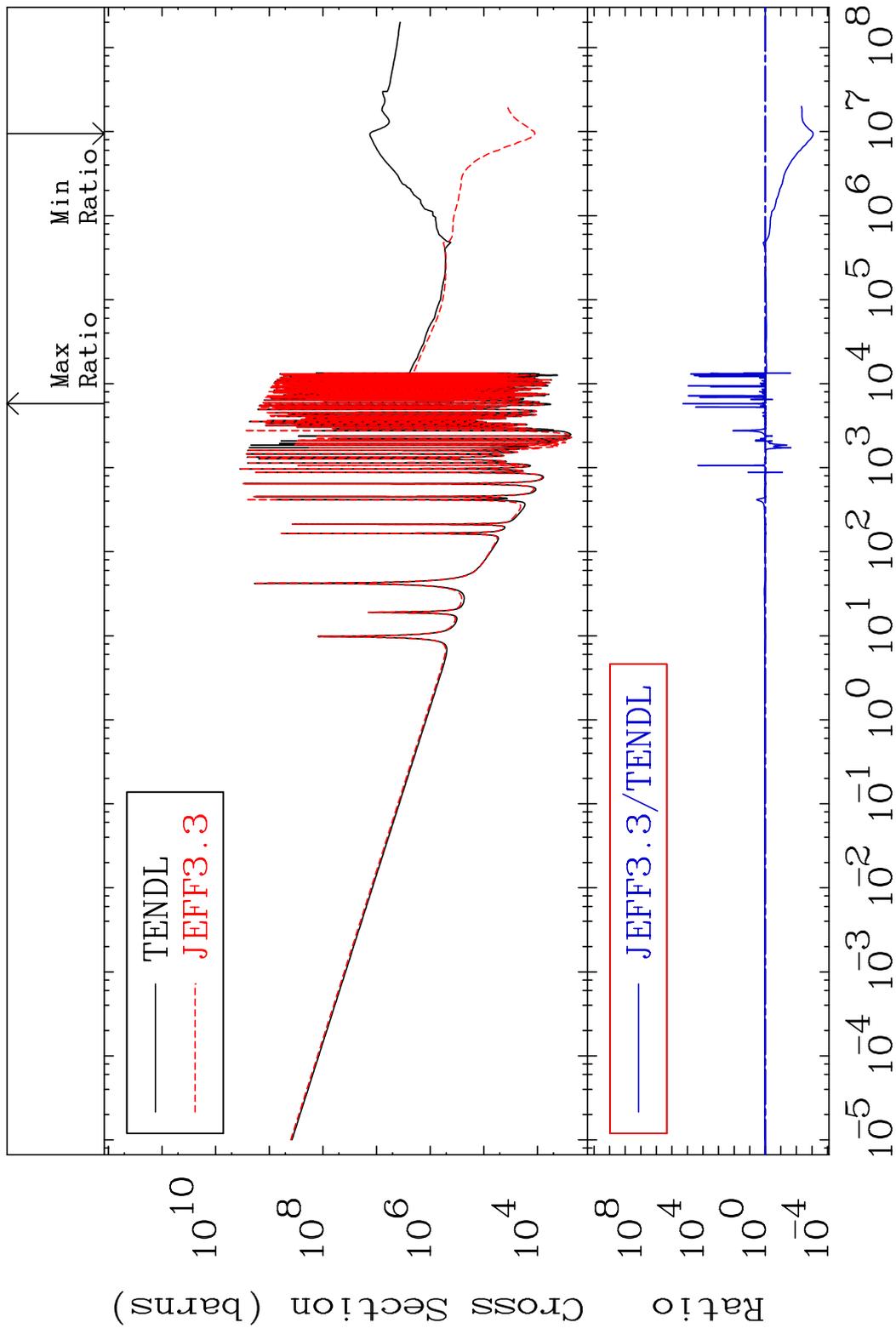


MAT 4443

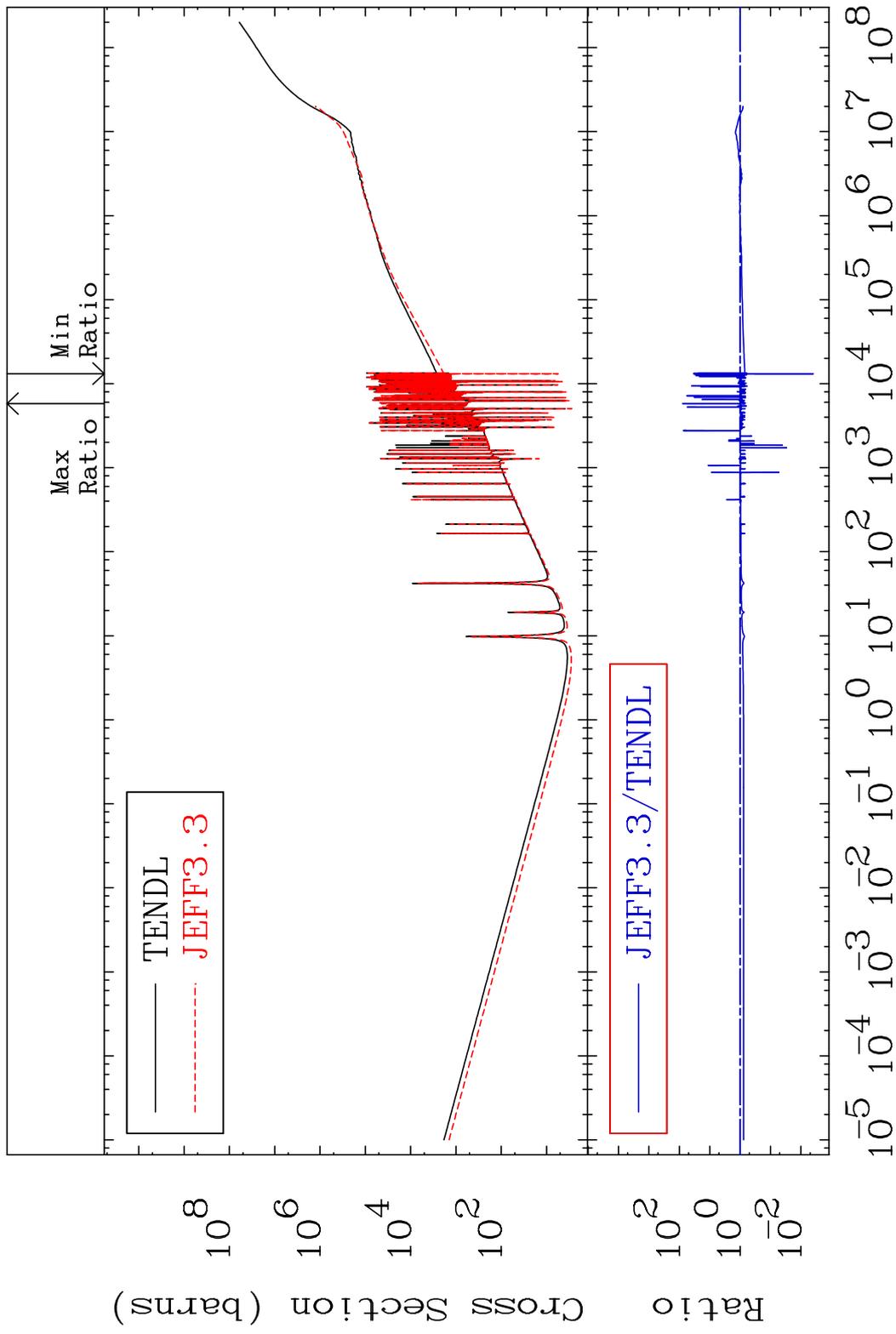
Kerma capture (mt102) 44-Ru-102  
Cross Section -98.34 To 9999. %



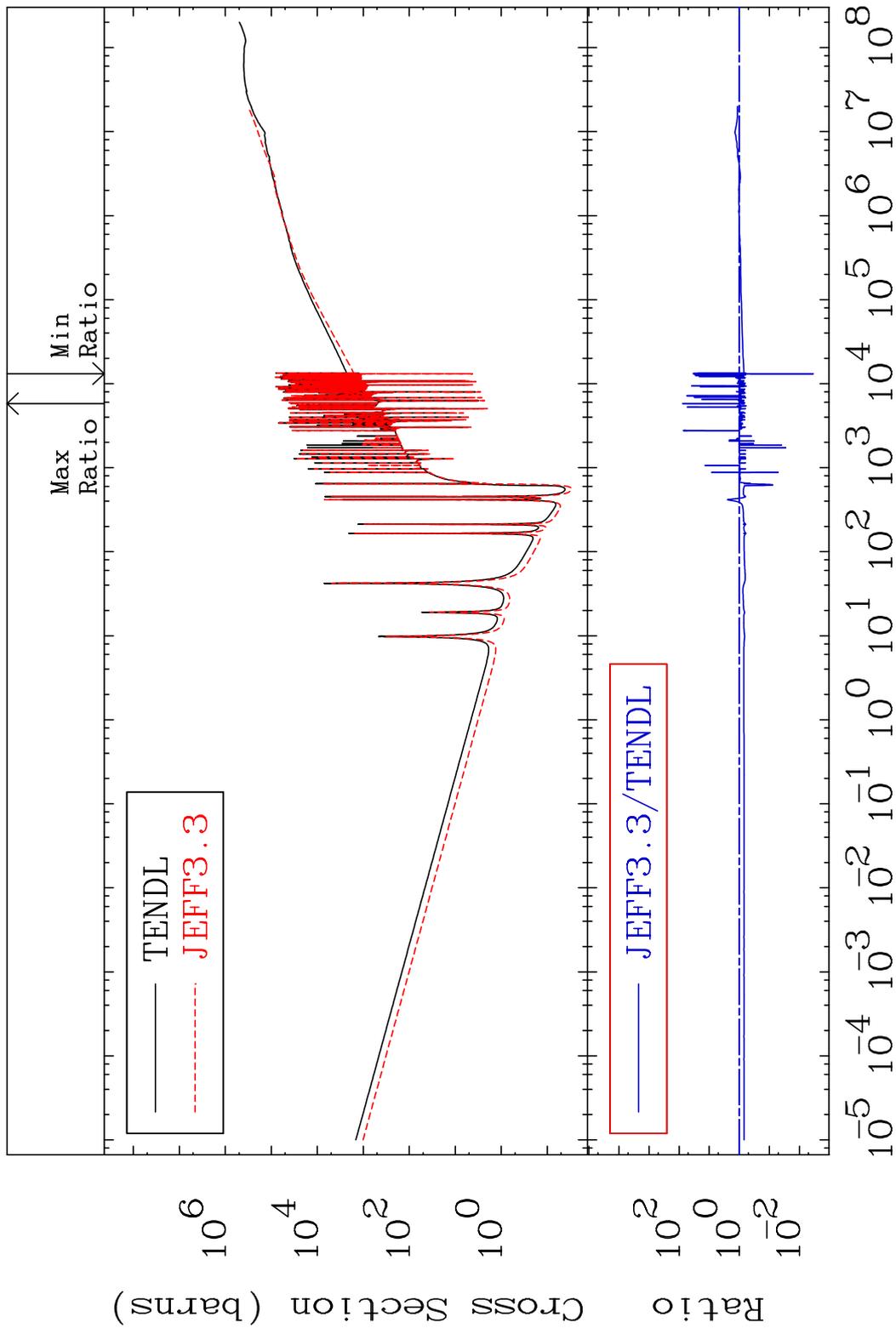
MAT 4443 Total photon (eV-barns) 44-Ru-102  
 Cross Section -99.92 To 9999. %



MAT 4443 Total kinematic kerma (high limit) 44-Ru-102  
 Cross Section -99.60 To 7574. %



MAT 4443      Dpa total (eV-barns)      44-Ru-102  
 Cross Section      -99.65 To 7429. %

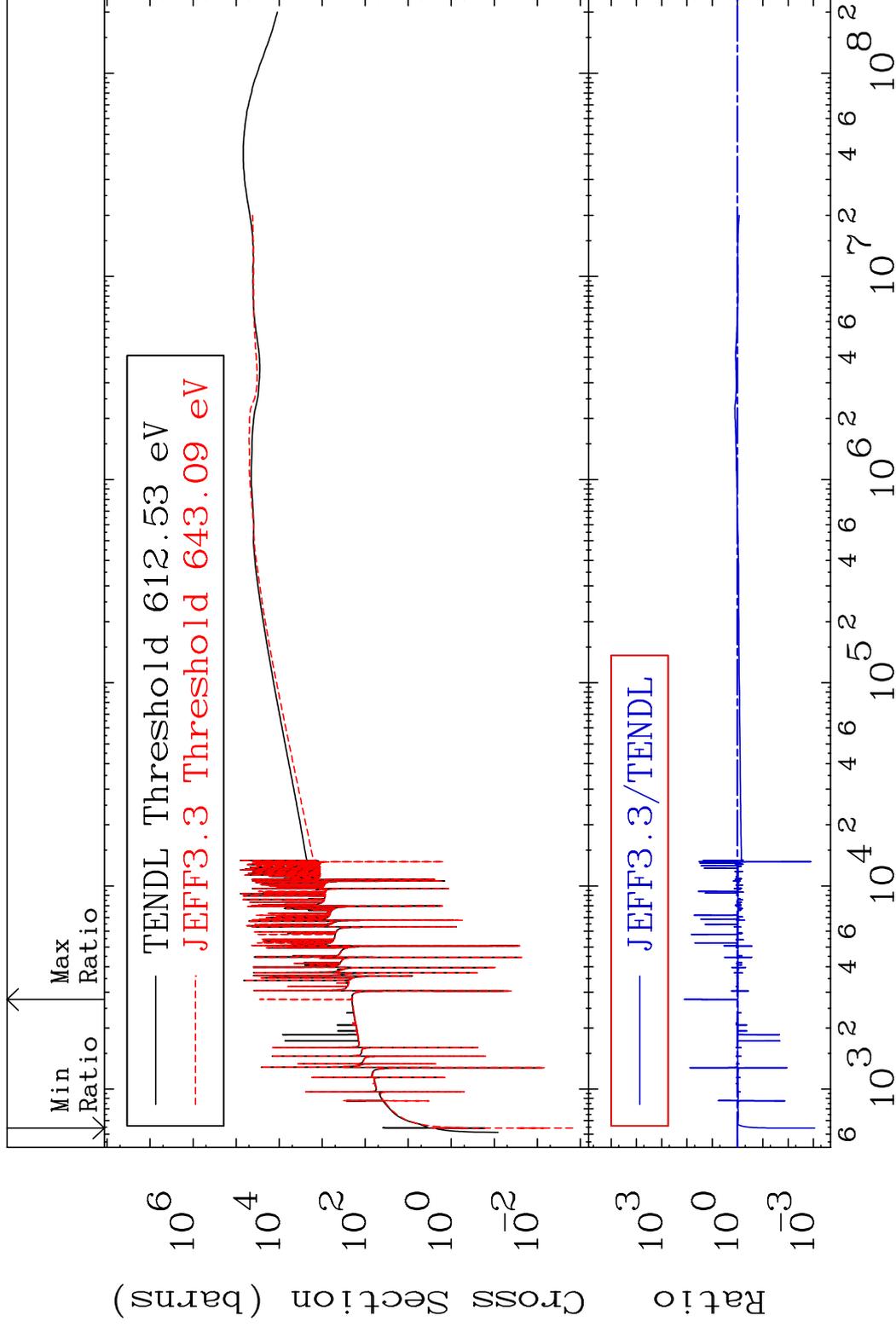


MAT 4443

Dpa elastic (mt2)

44-Ru-102

Cross Section -99.91 To 9999. %

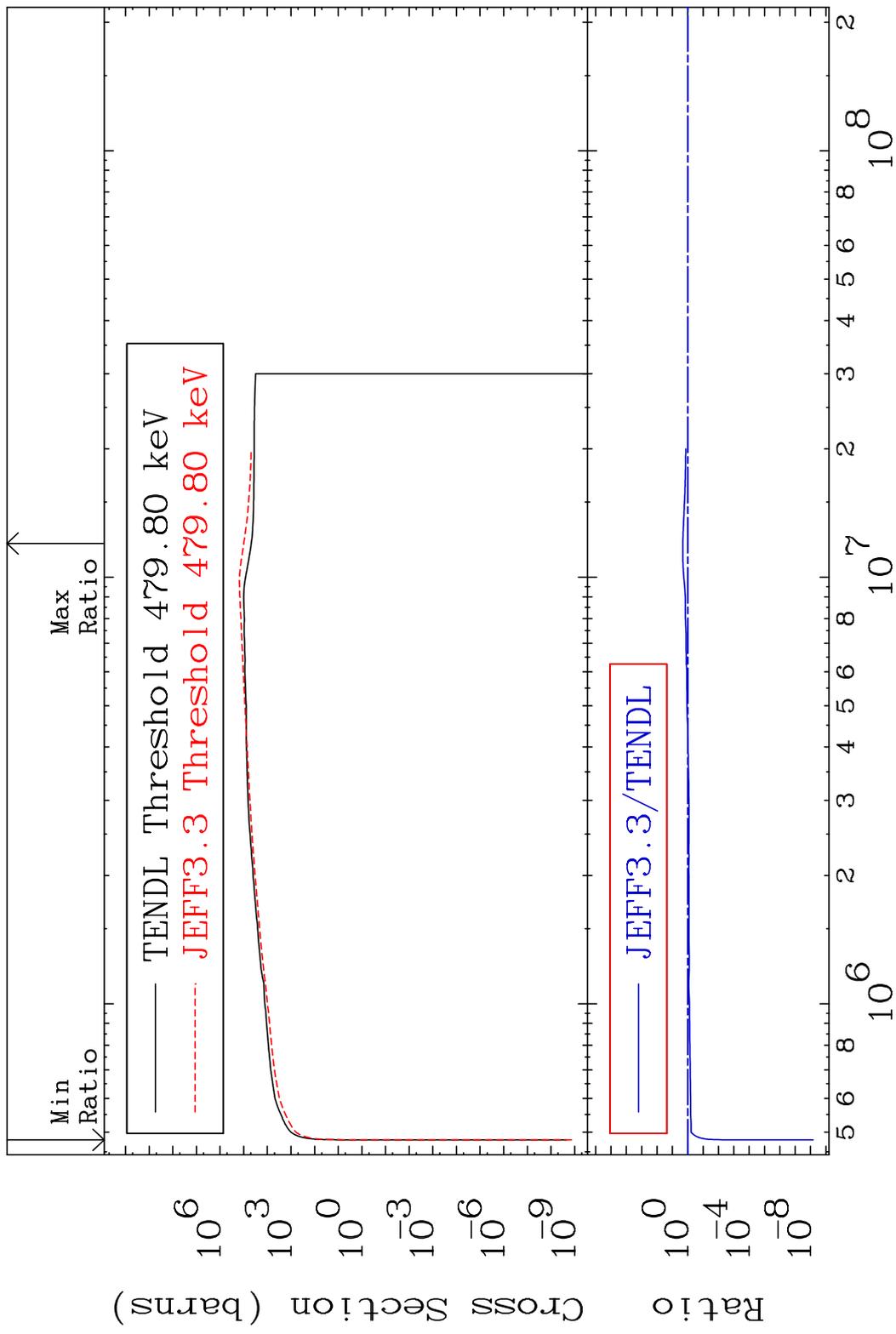


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Incident Energy (eV)

44-Ru-102

MAT 4443 Dpa inelastic (mt51-91) 44-Ru-102  
 Cross Section -100.0 To 108.8 %



MAT 4443 Dpa disappearance (mt102 -120) 44-Ru-102  
 Cross Section -98.50 To 9999. %

