

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

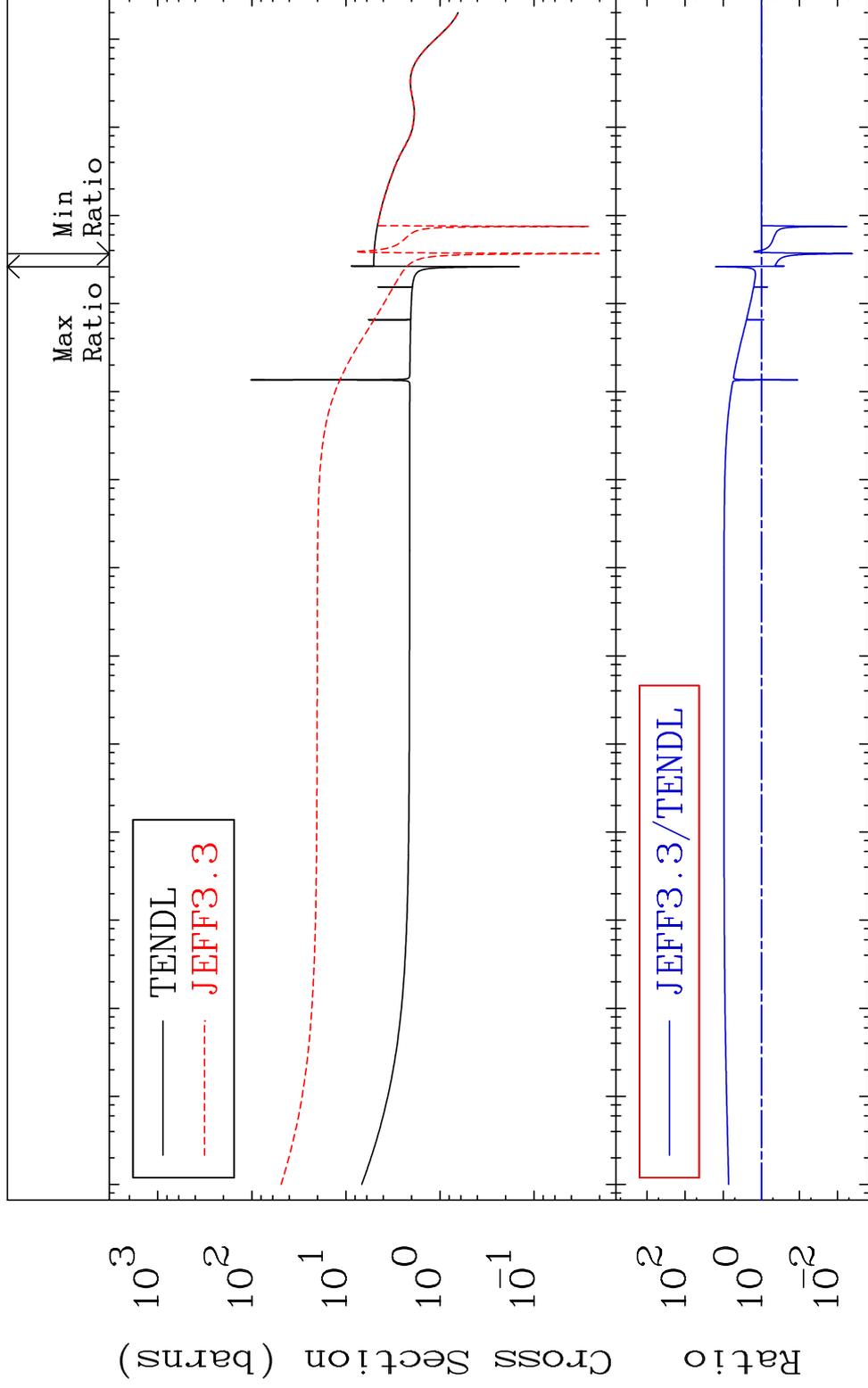
MAT 1437

Total

14-Si-32

Cross Section

-99.60 To 1461. %



1

Incident Energy (eV)

14-Si-32

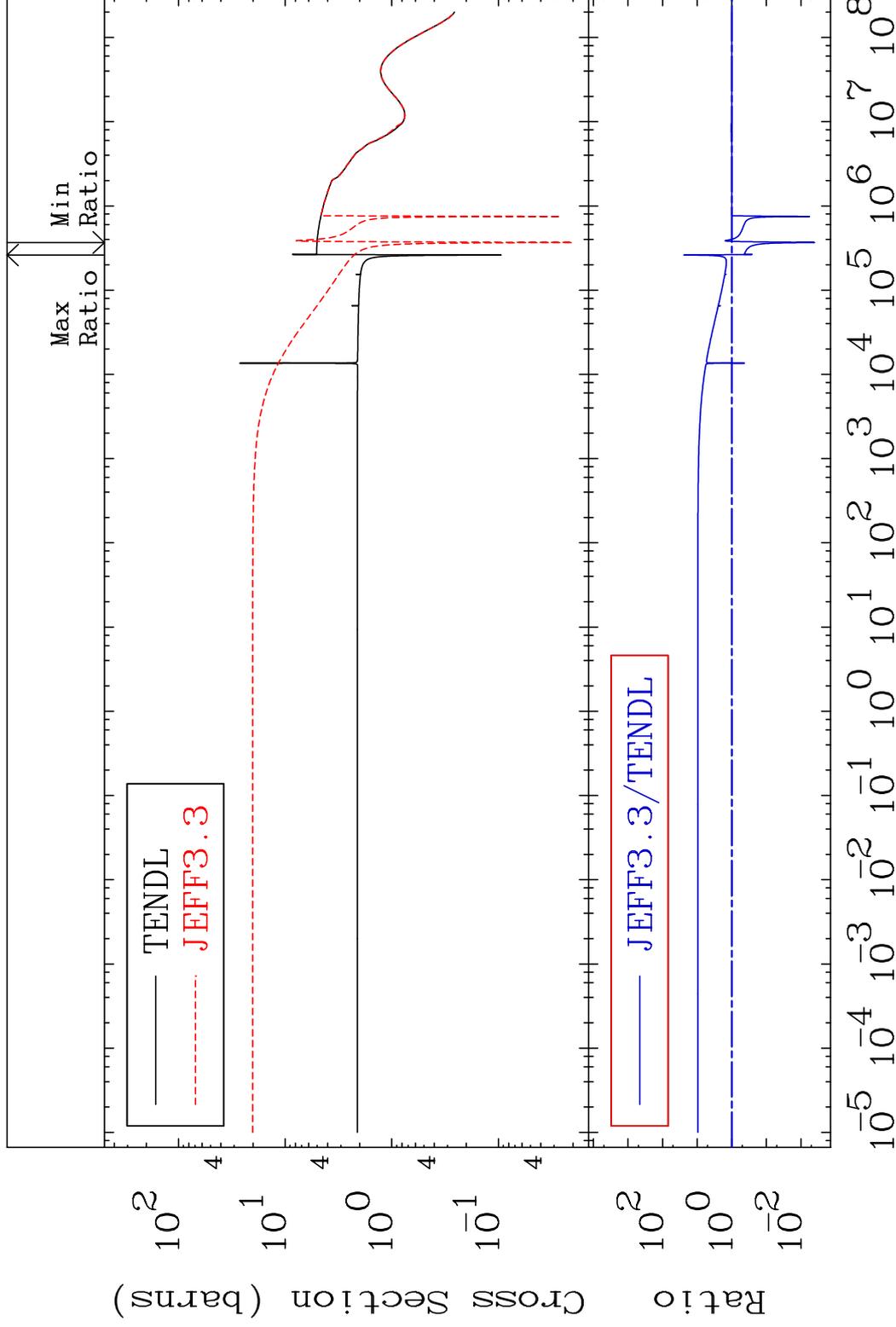
MAT 1437

Elastic

<sup>14</sup>Si-32

Cross Section

-99.60 To 2284. %



2

Incident Energy (eV)

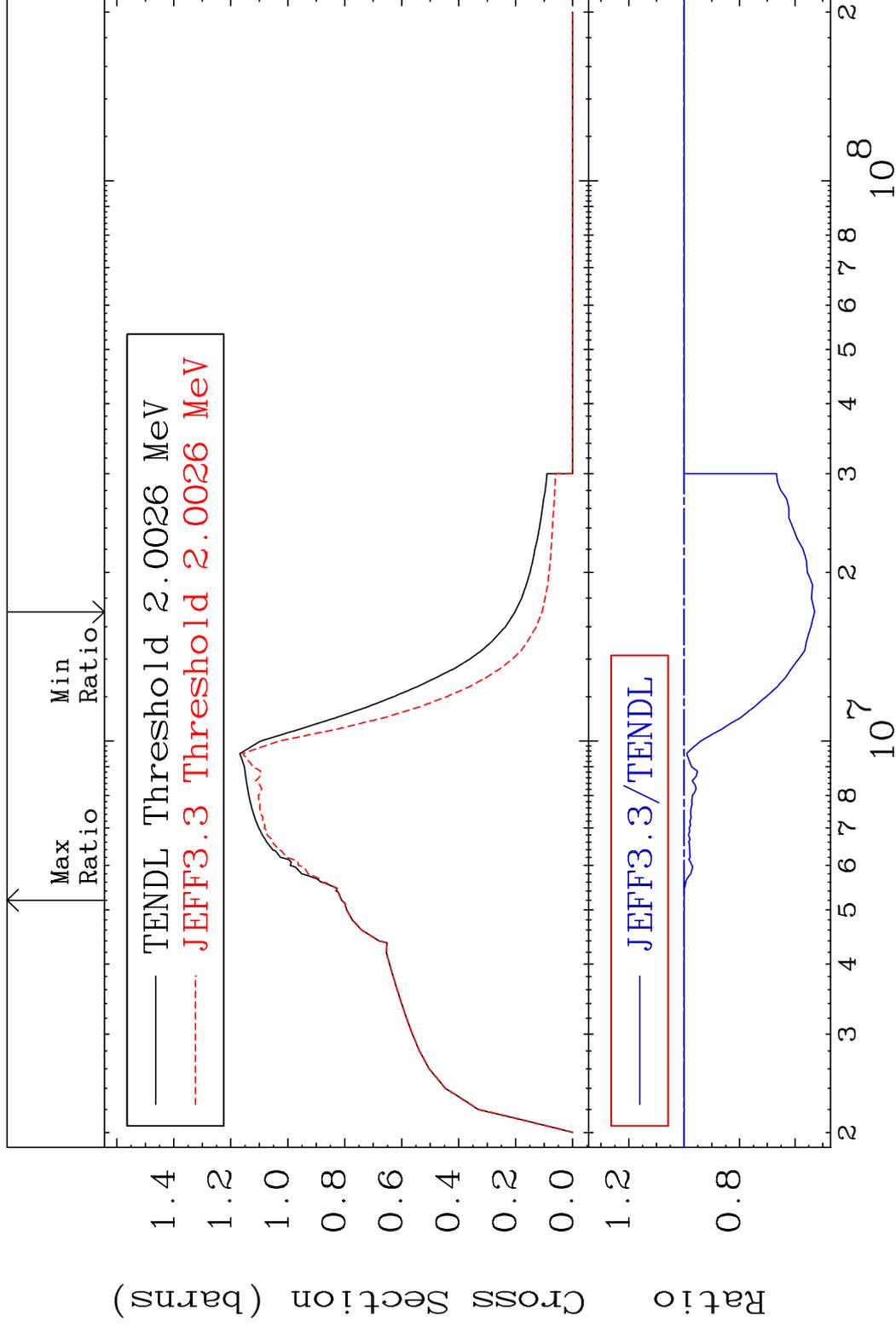
<sup>14</sup>Si-32

MAT 1437

Inelastic

14-Si-32

Cross Section -47.12 To 0.002 %



3

Incident Energy (eV)

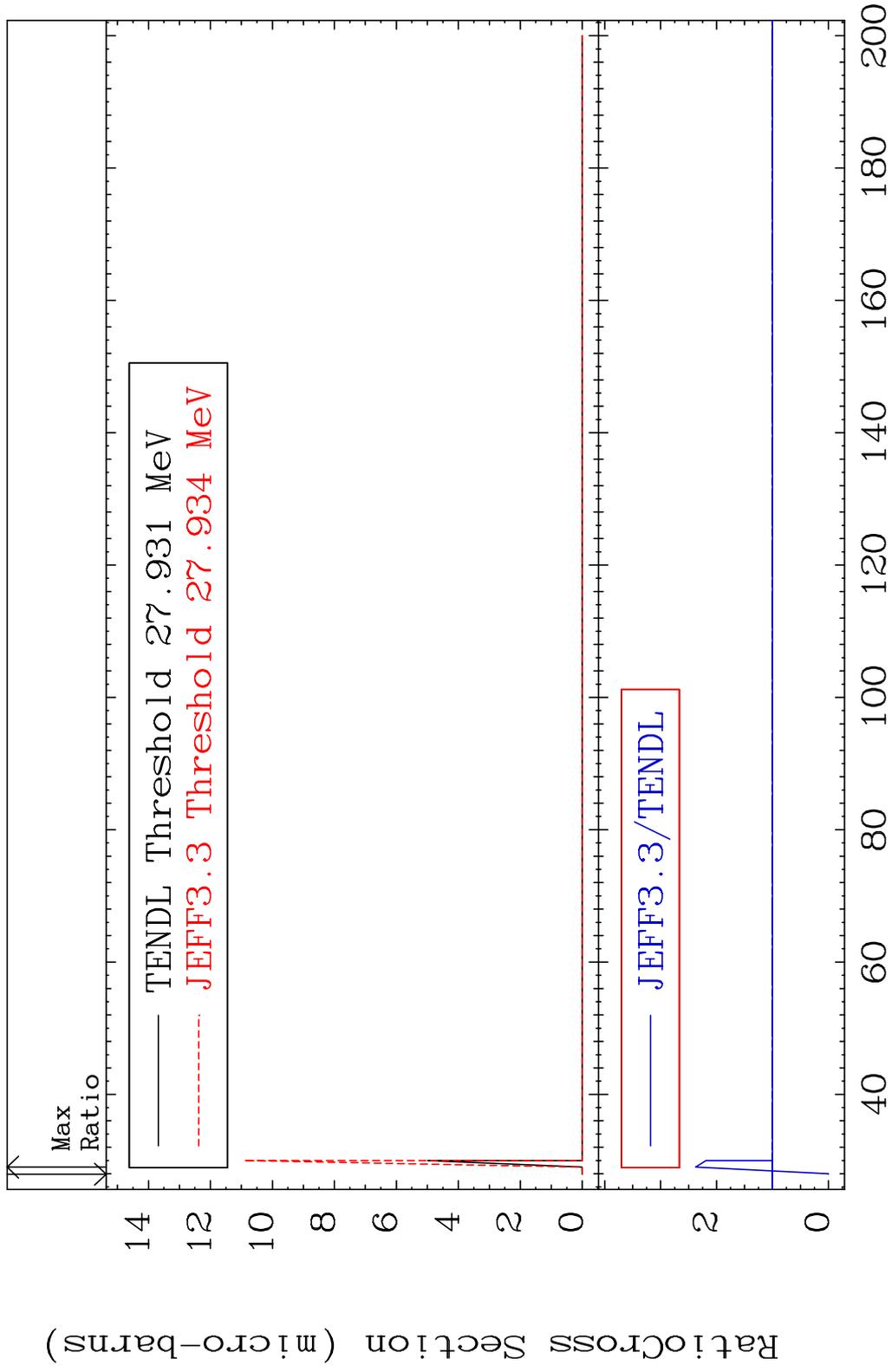
14-Si-32

MAT 1437

(n,2n) d

14-Si-32

Cross Section -100.0 To 137.5 %



4

Incident Energy (MeV)

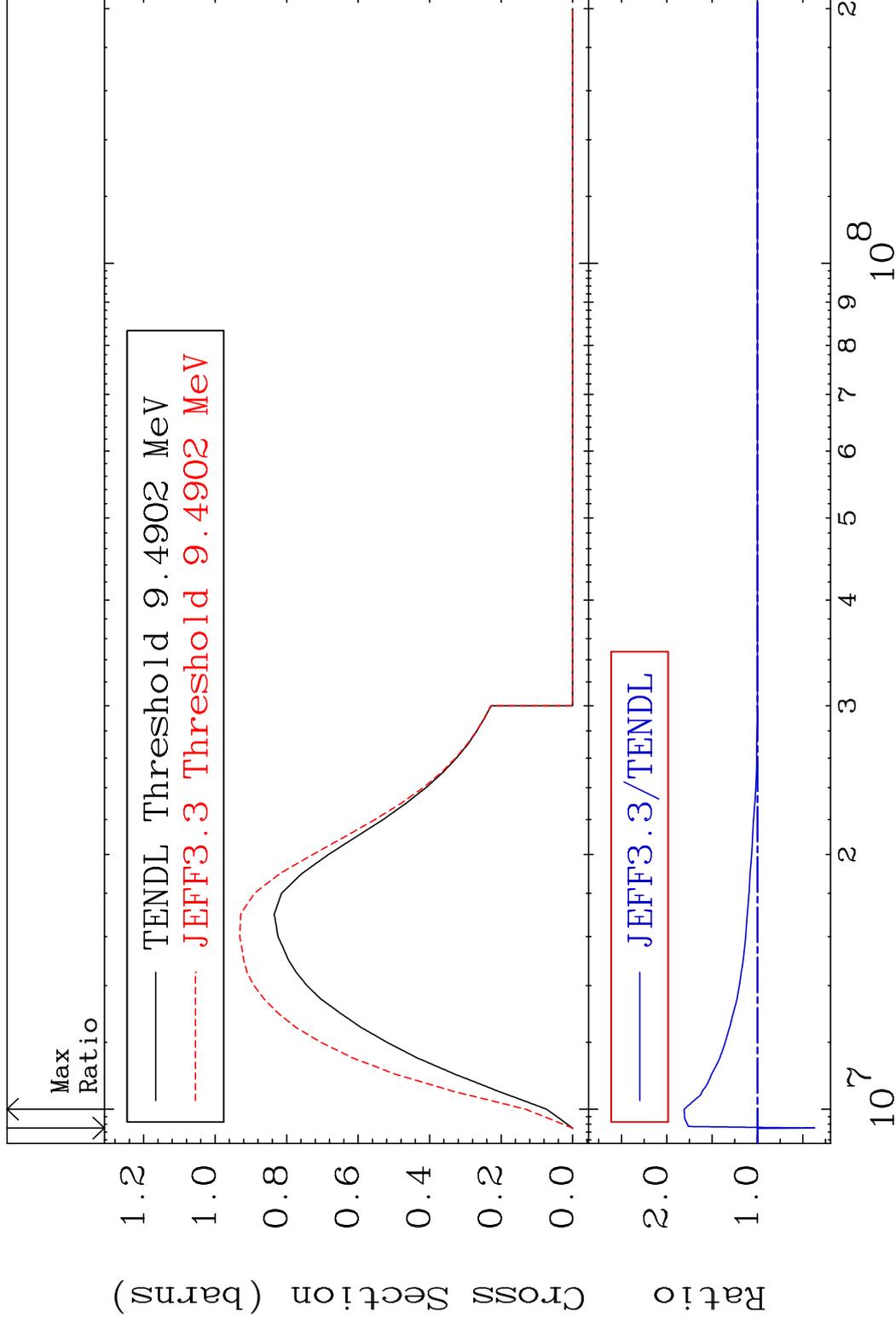
14-Si-32

MAT 1437

(n,2n)

<sup>14</sup>Si-32

Cross Section -63.11 To 80.83 %



5

Incident Energy (eV)

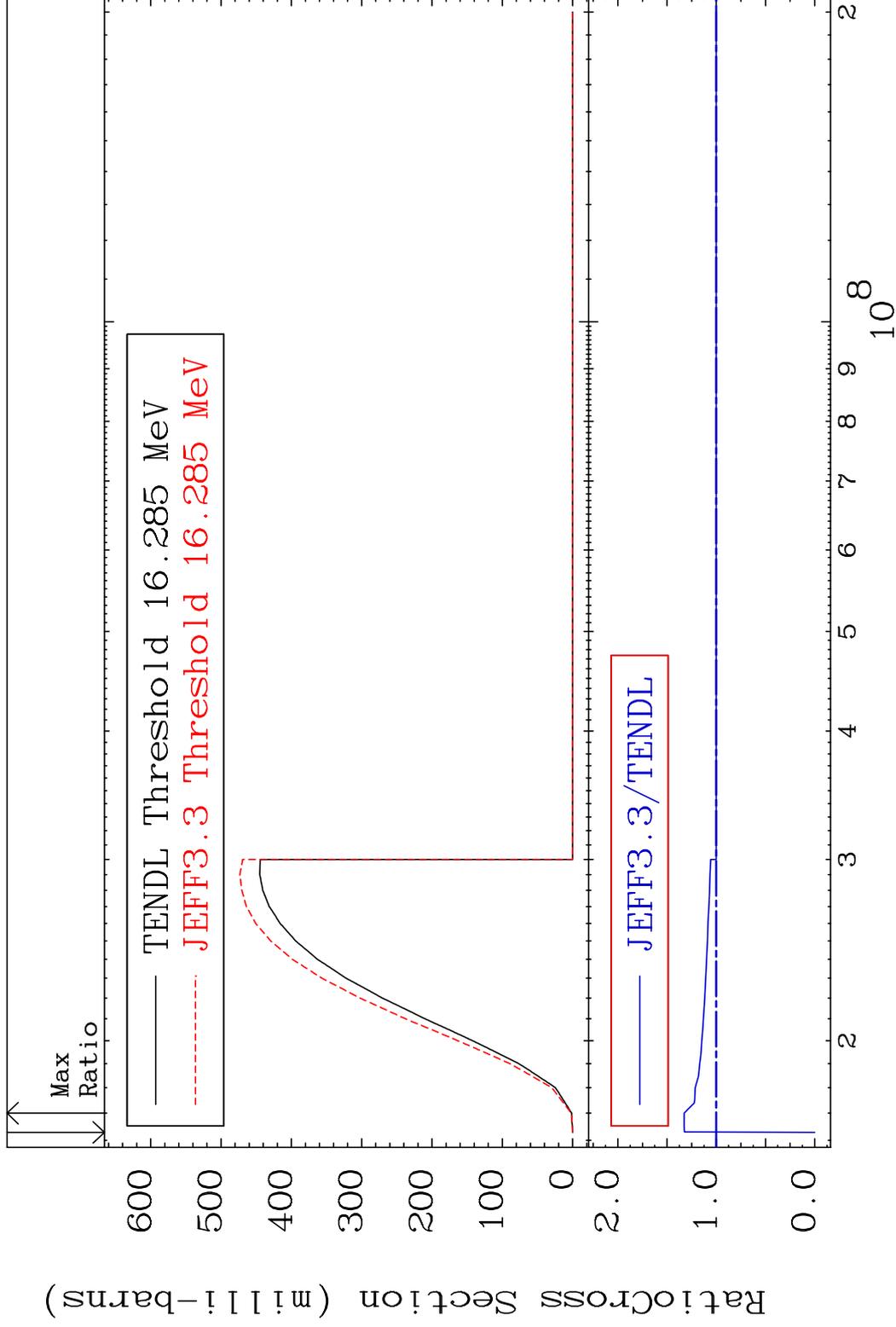
<sup>14</sup>Si-32

MAT 1437

(n,3n)

14-Si-32

Cross Section -100.0 To 32.66 %

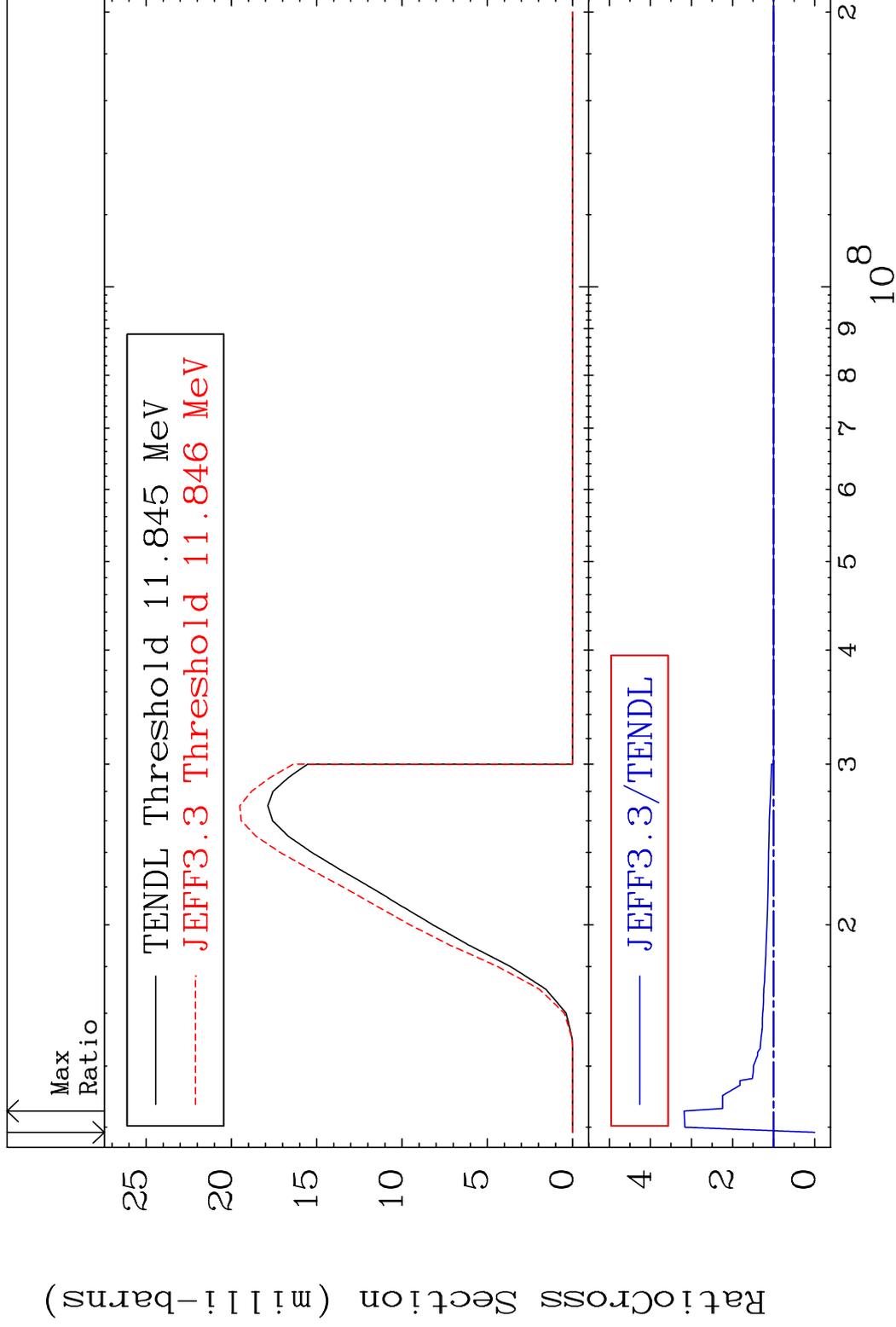


MAT 1437

(n, n')  $\alpha$

14-Si-32

Cross Section -100.0 To 217.9 %

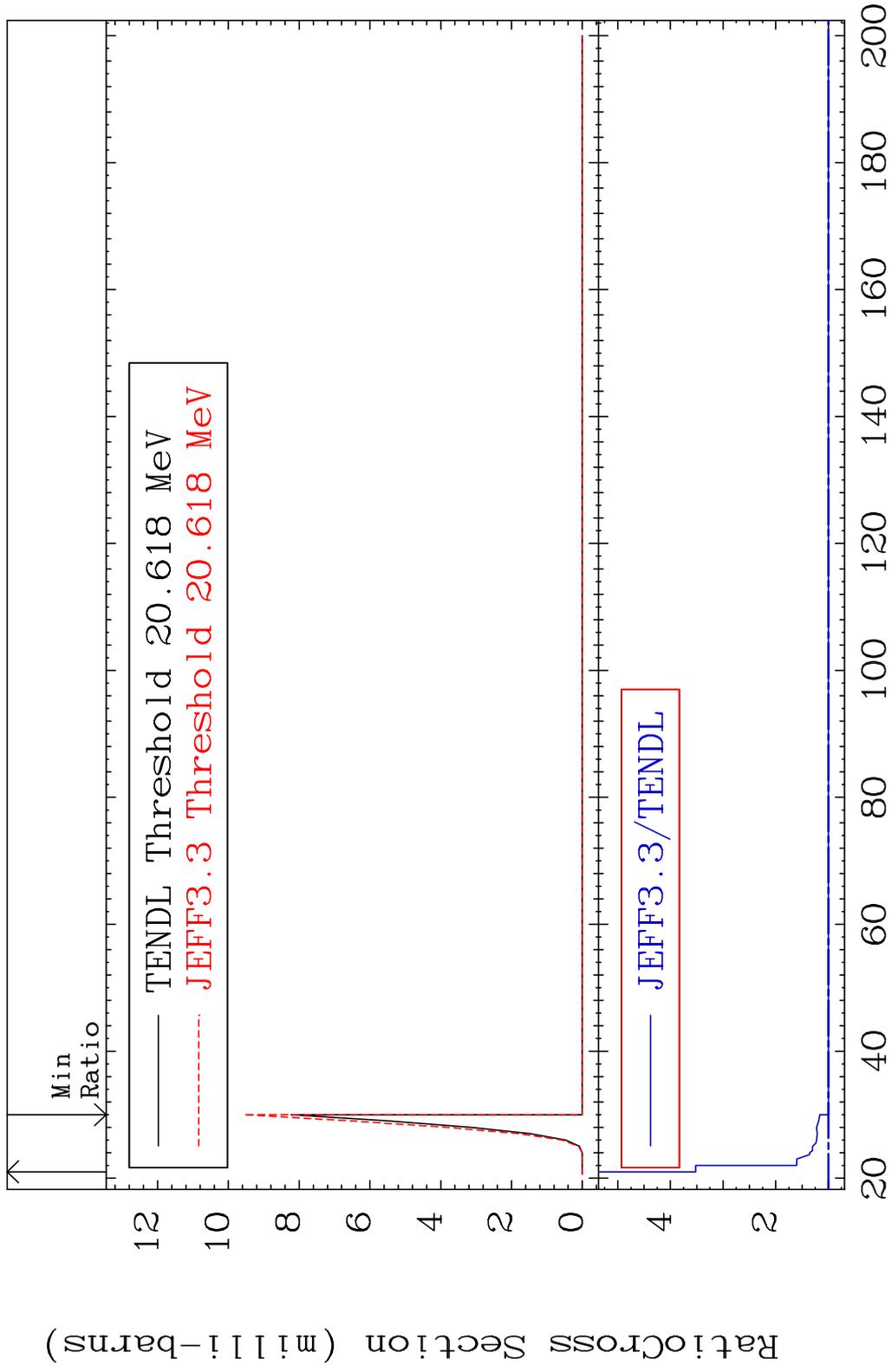


7

Incident Energy (eV)

14-Si-32

MAT 1437 (n,2n)  $\alpha$  14-Si-32  
 Cross Section 0.000 To 252.1 %



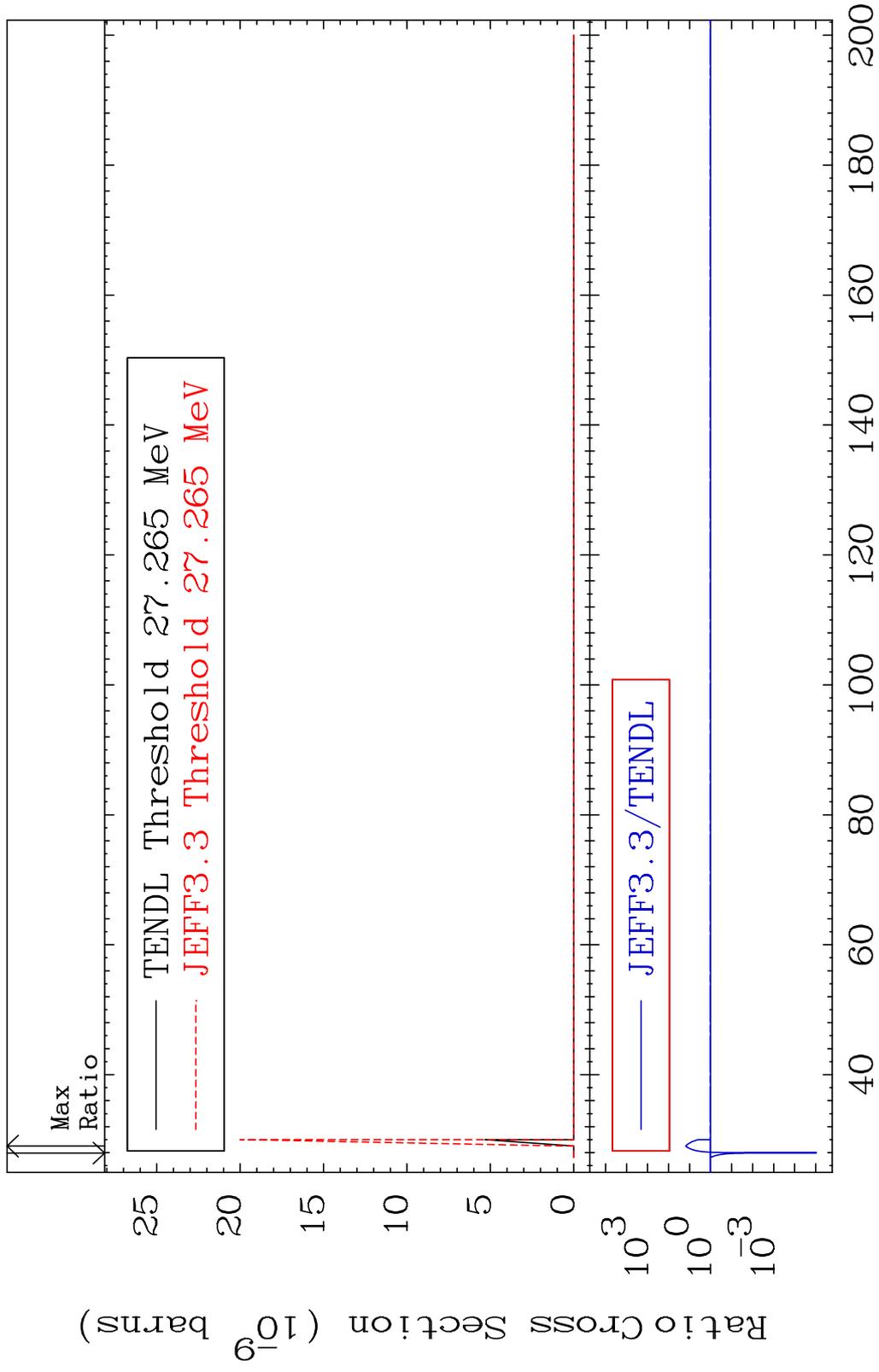
8 Incident Energy (MeV) 14-Si-32

MAT 1437

(n,3n)  $\alpha$

14-Si-32

Cross Section -100.0 To 1466. %

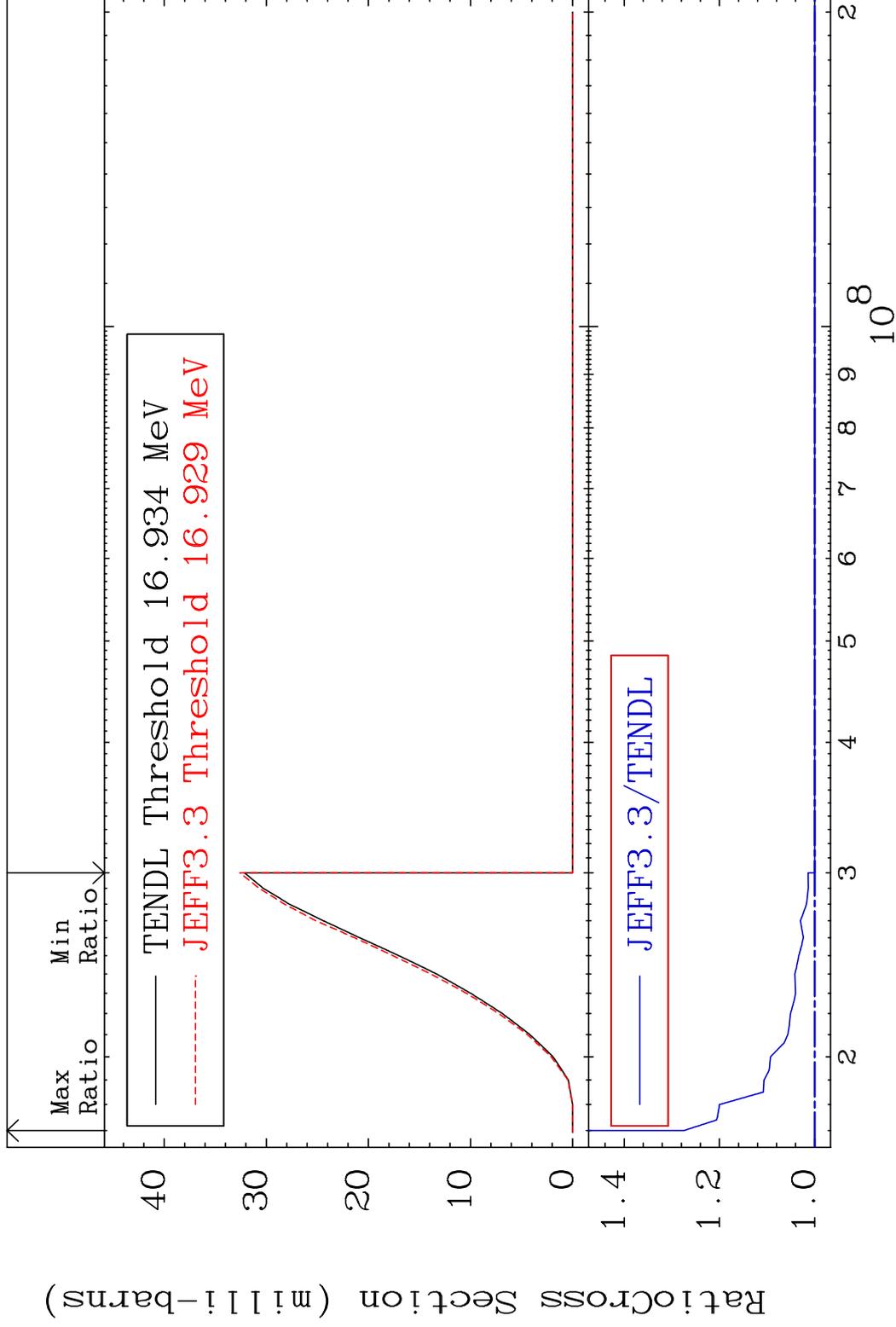


MAT 1437

(n, n') p

<sup>14</sup>Si-32

Cross Section 0.000 To 27.41 %



10

Incident Energy (eV)

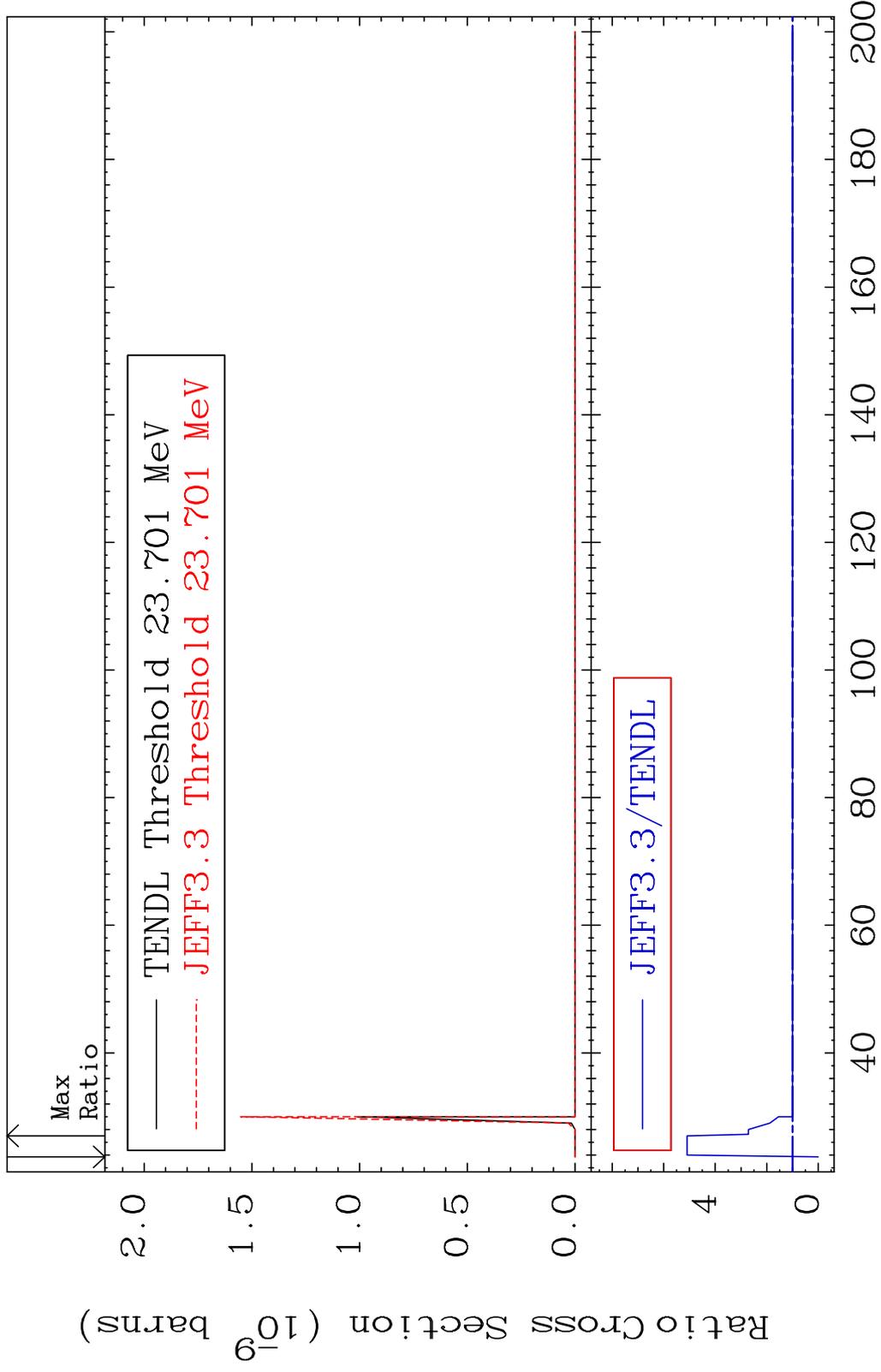
<sup>14</sup>Si-32

MAT 1437

(n, n') 2 $\alpha$

14-Si-32

Cross Section -100.0 To 409.4 %

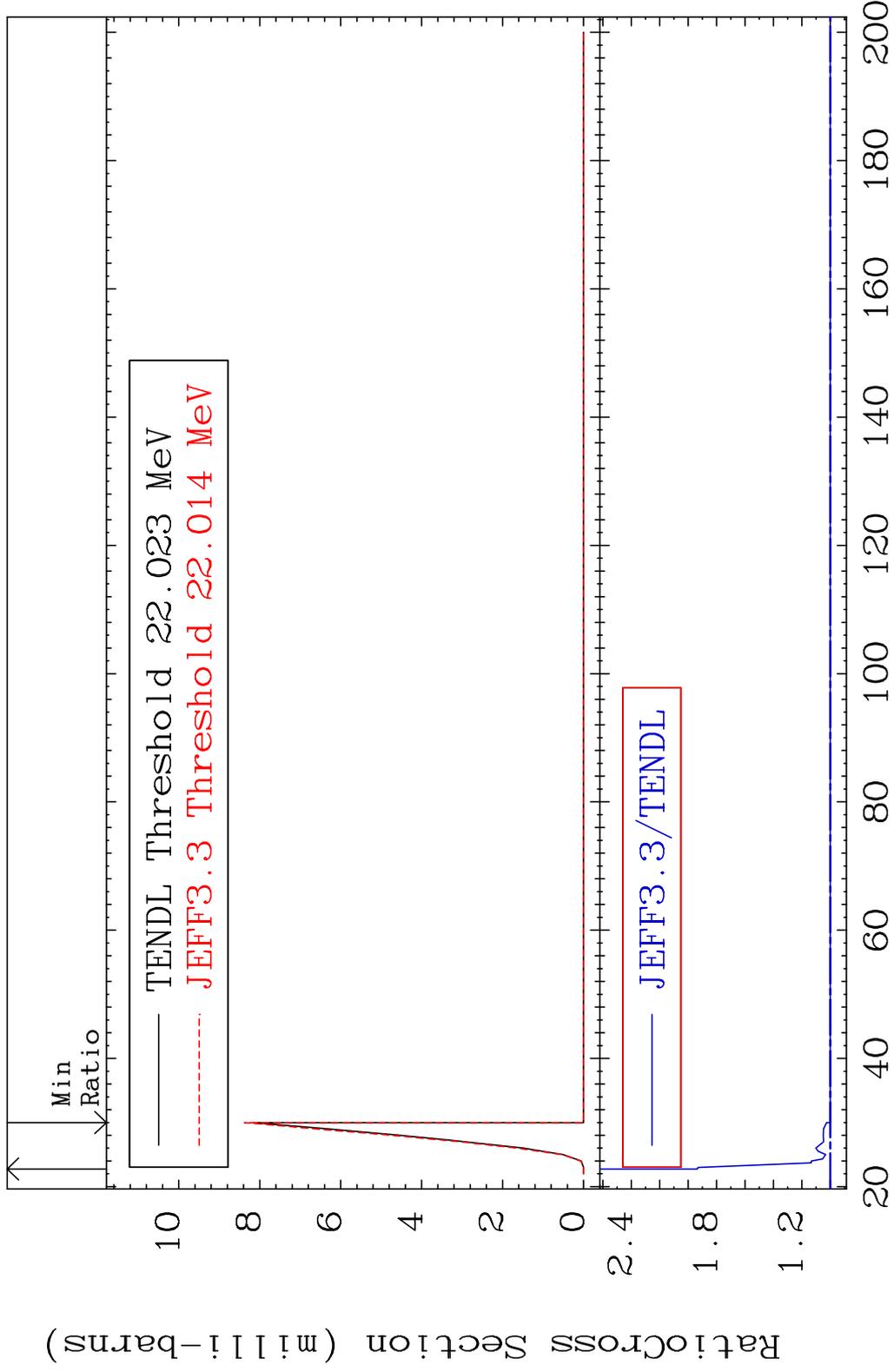


MAT 1437

(n, n') d

14-Si-32

Cross Section 0.000 To 93.65 %

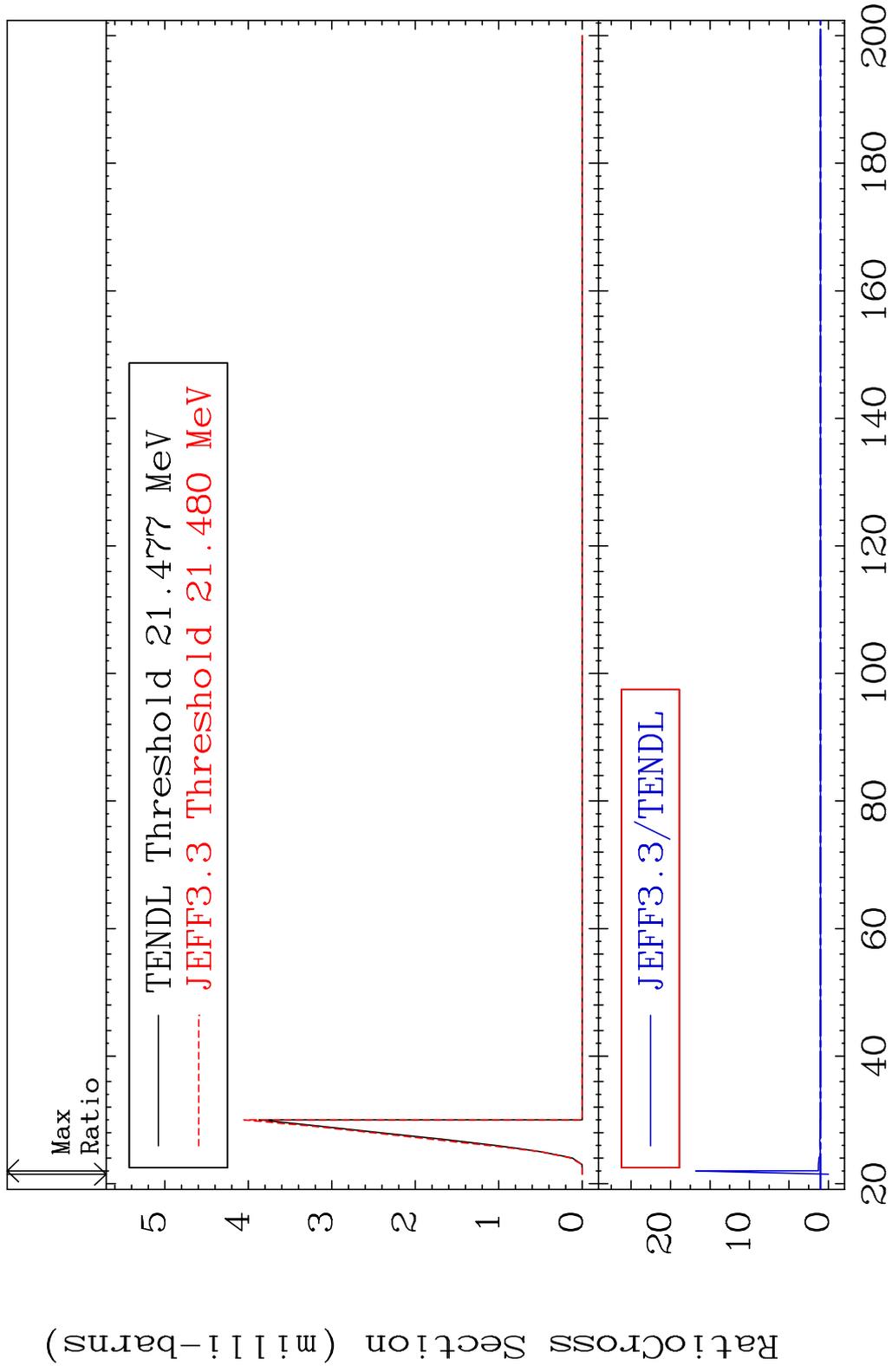


12

Incident Energy (MeV)

14-Si-32

MAT 1437 (n, n') t 14-Si-32  
 Cross Section -100.0 To 1582. %

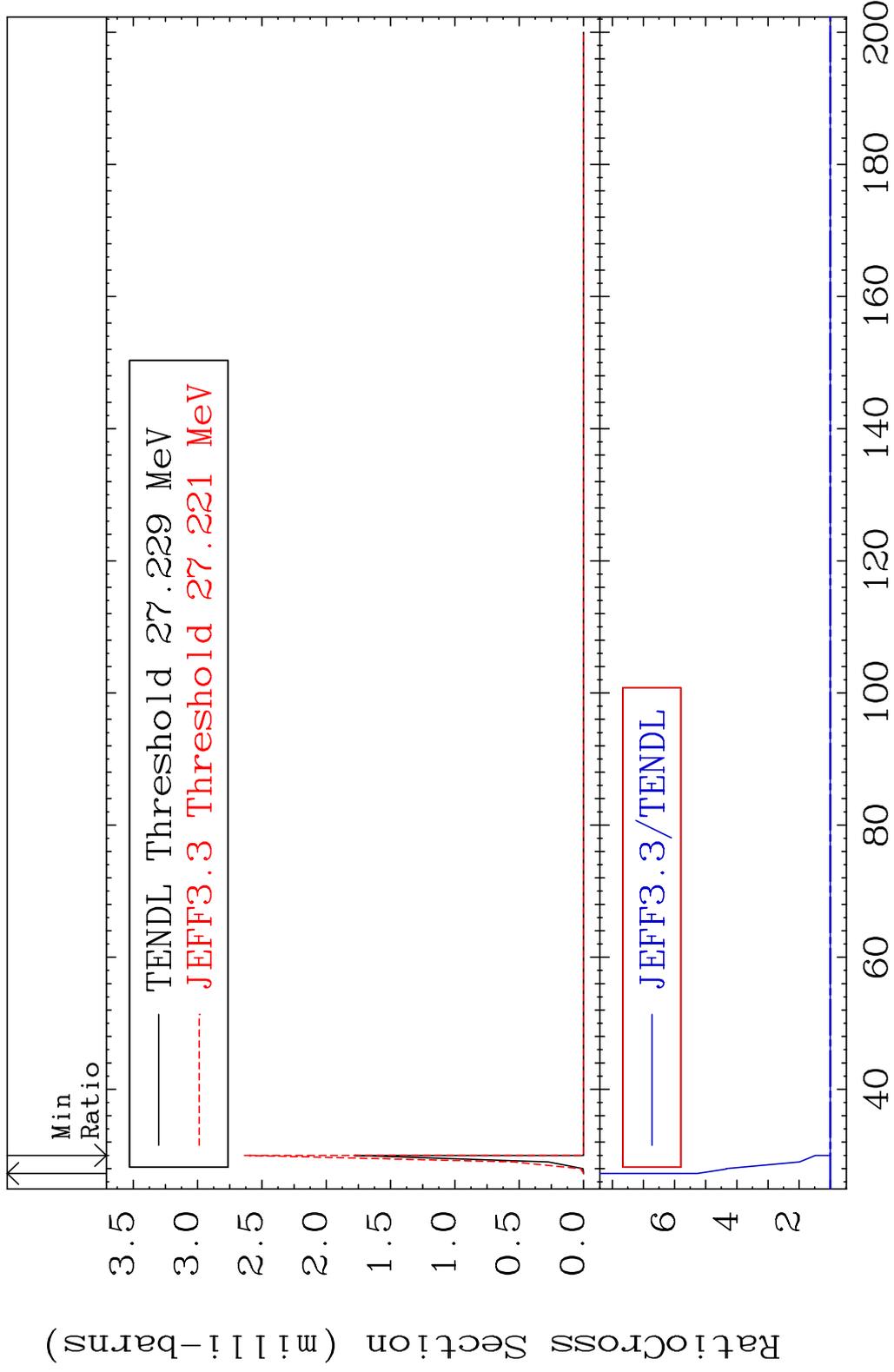


MAT 1437

(n,4n)

<sup>14</sup>Si-32

Cross Section 0.000 To 427.3 %

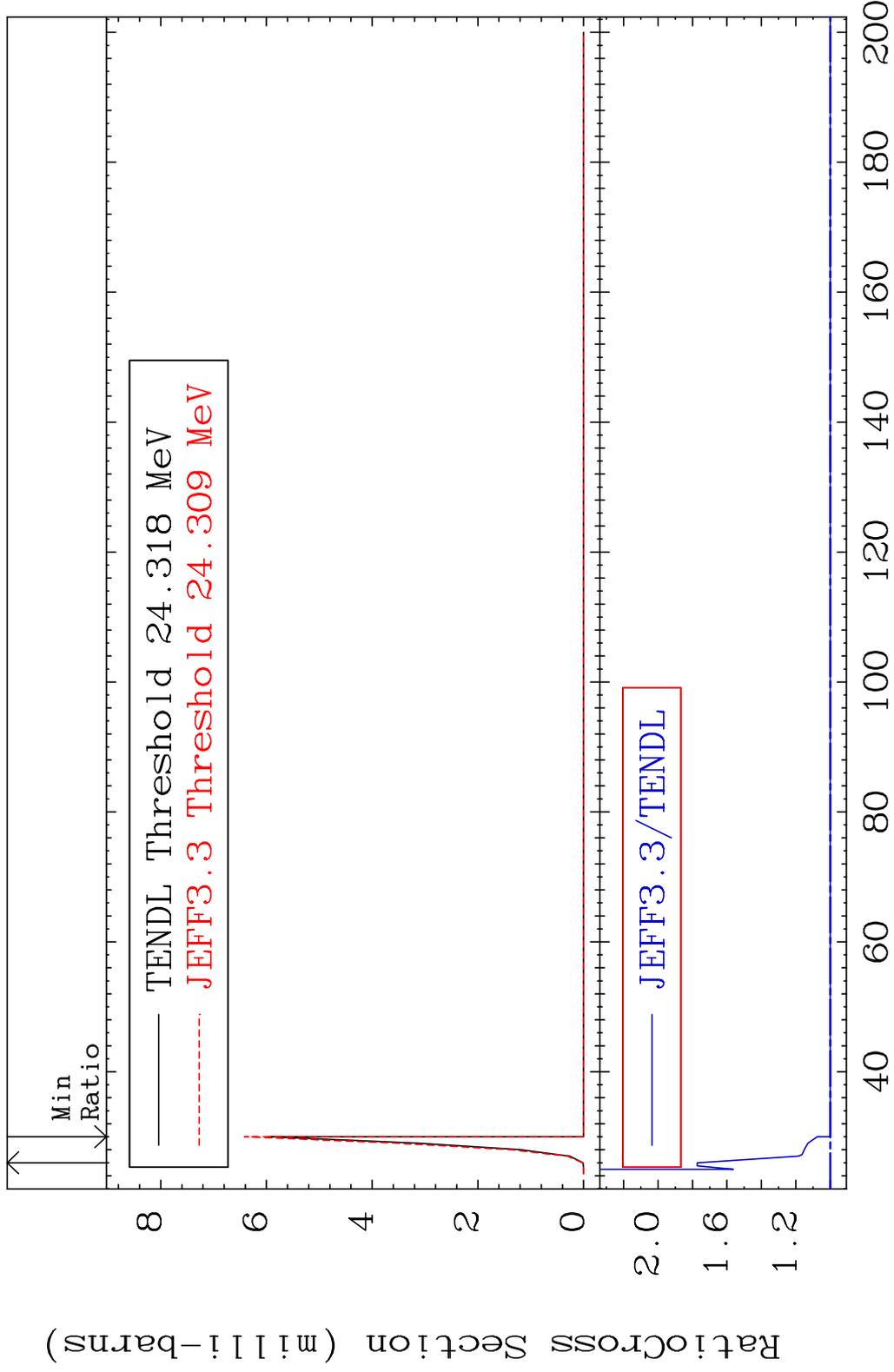


MAT 1437

(n,2n) p

<sup>14</sup>Si-32

Cross Section 0.000 To 77.28 %



15

Incident Energy (MeV)

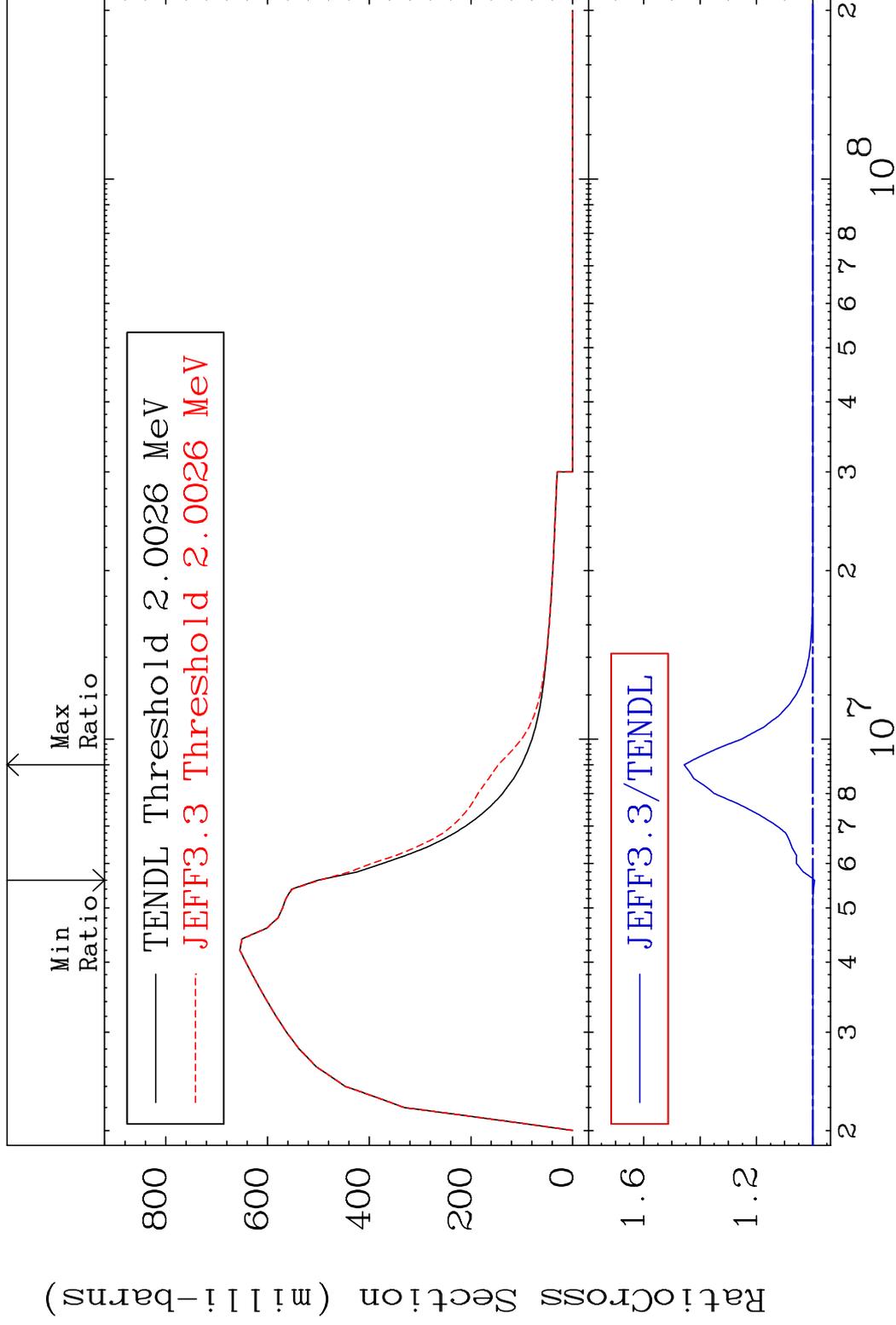
<sup>14</sup>Si-32

MAT 1437

MT= 51 (n, n') Level

14-Si-32

Cross Section -0.653 To 45.66 %



16

Incident Energy (eV)

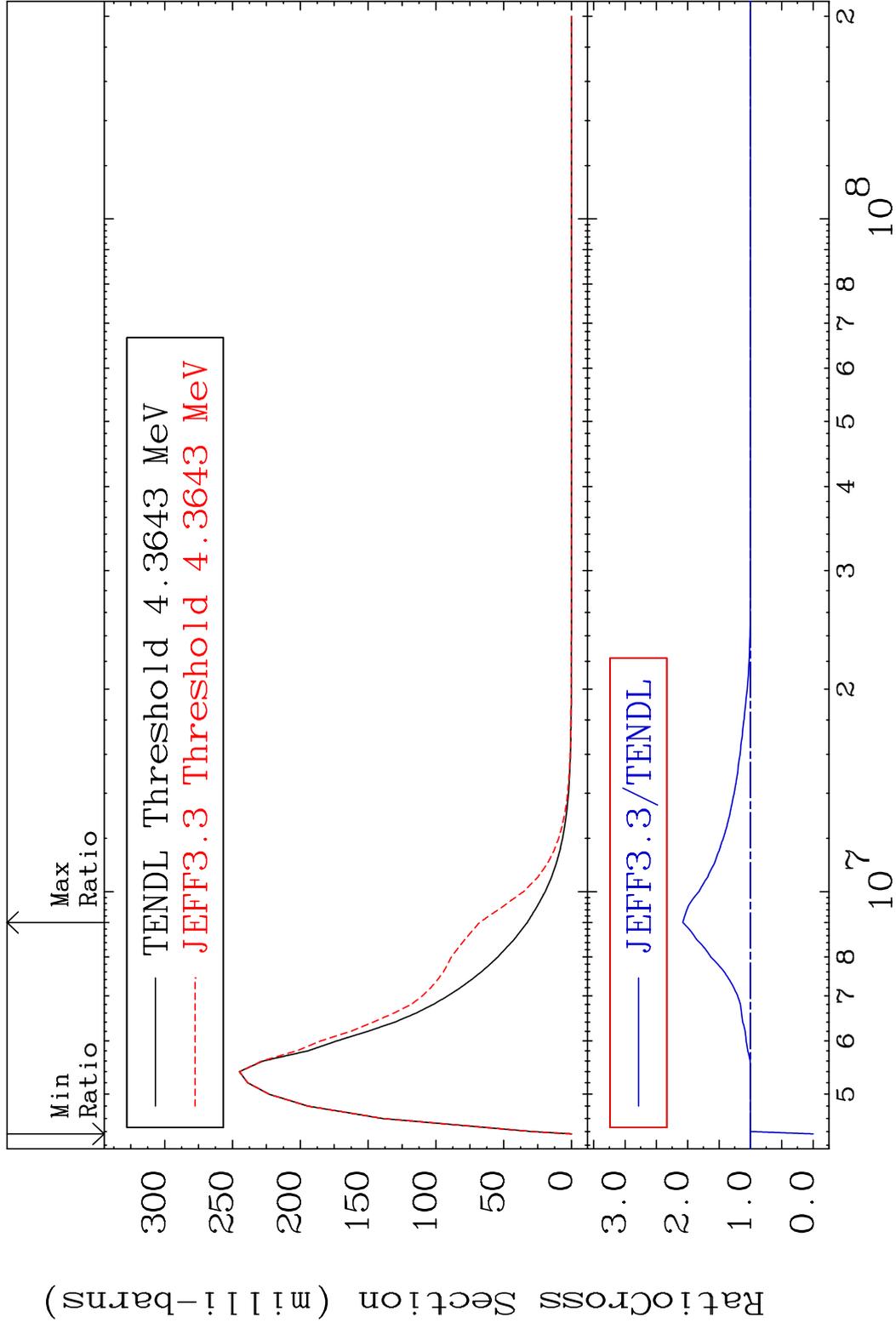
14-Si-32

MAT 1437

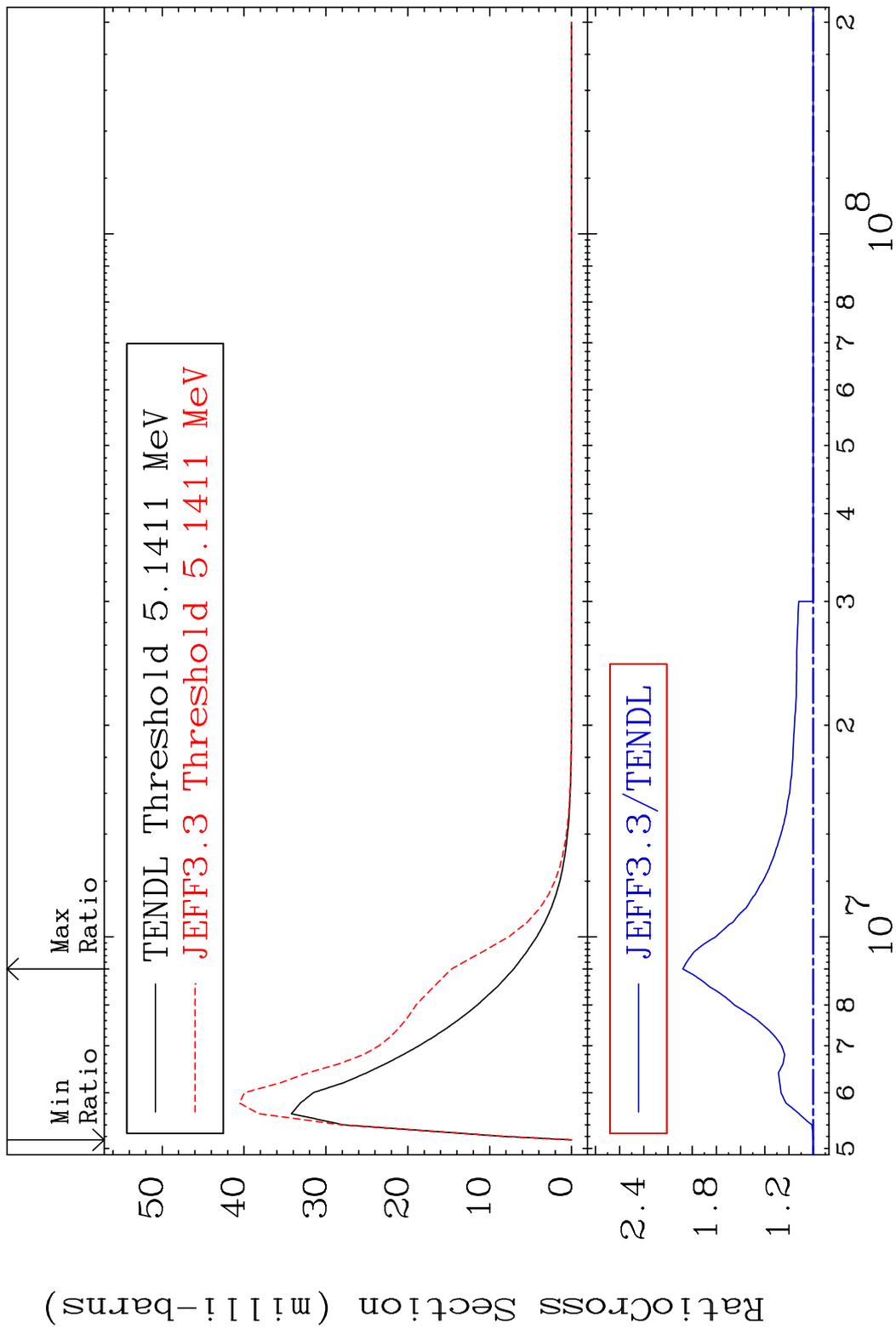
MT= 52 (n, n') Level

14-Si-32

Cross Section -100.0 To 107.8 %



MAT 1437 MT= 53 (n, n') Level 14-Si-32  
 Cross Section 0.000 To 107.8 %

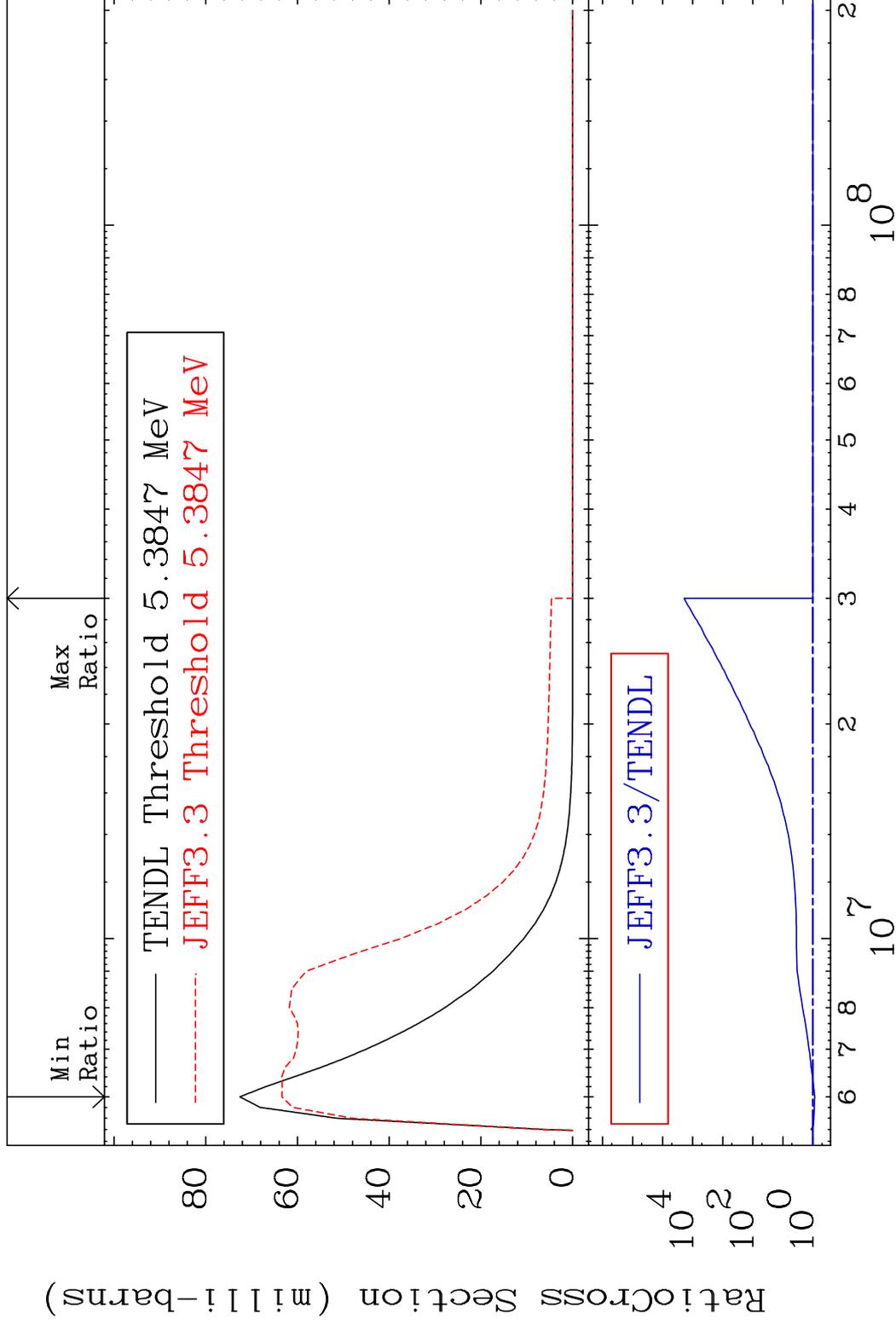


MAT 1437

MT= 54 (n, n') Level

14-Si-32

Cross Section -12.65 To 9999. %



19

Incident Energy (eV)

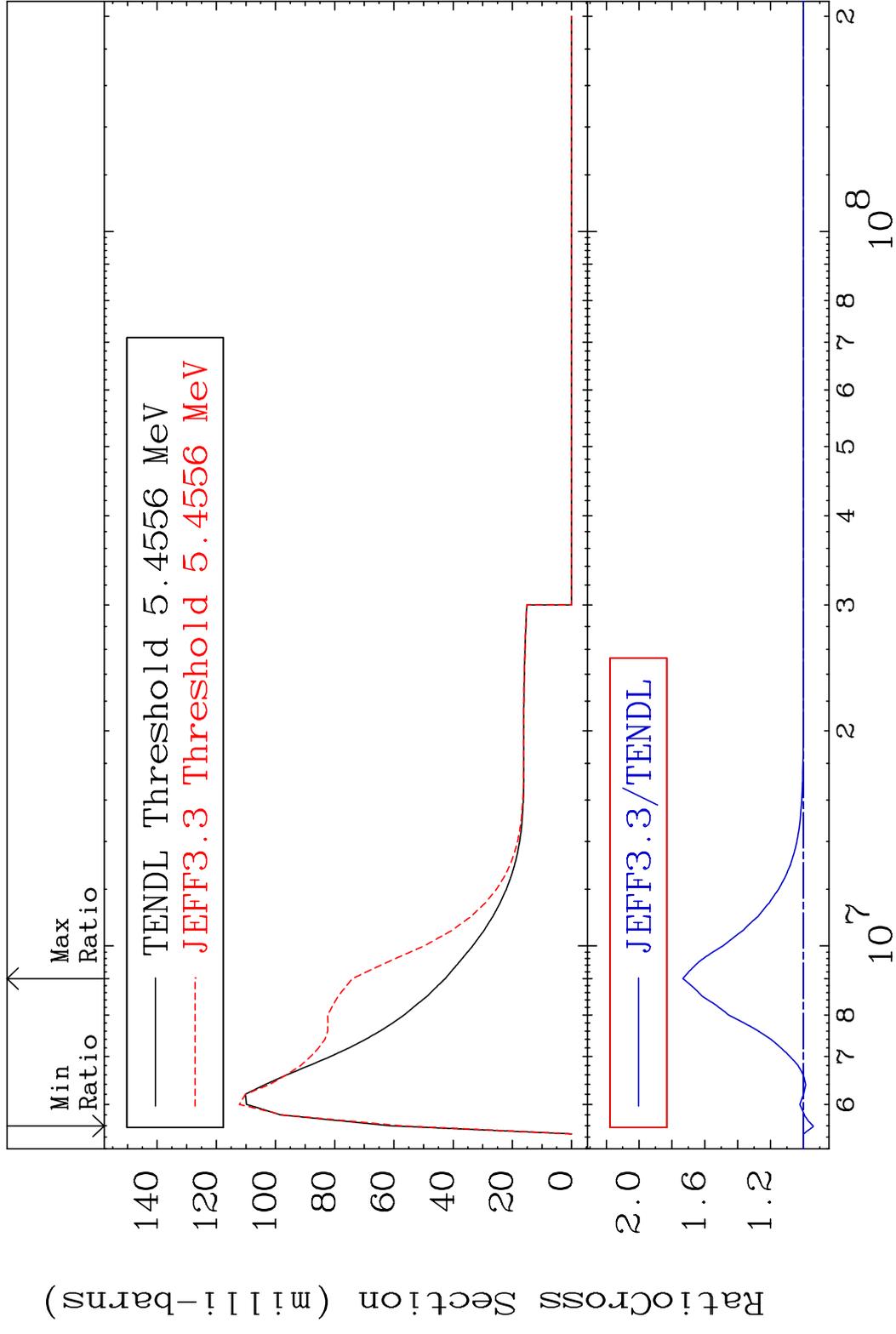
14-Si-32

MAT 1437

MT= 55 (n,n') Level

14-Si-32

Cross Section -5.892 To 73.42 %



20

Incident Energy (eV)

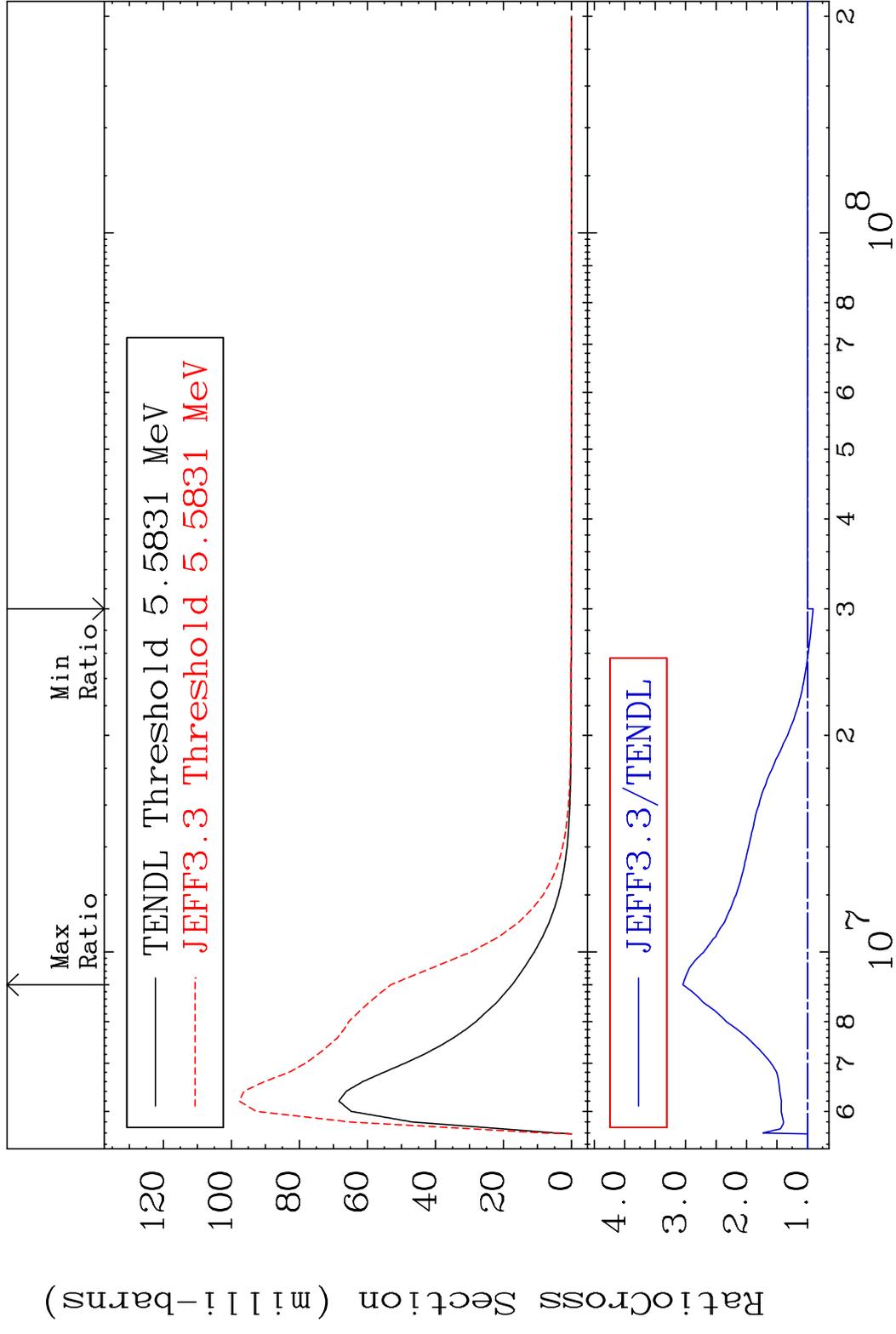
14-Si-32

MAT 1437

MT= 56 (n,n') Level

14-Si-32

Cross Section -9.442 To 204.6 %

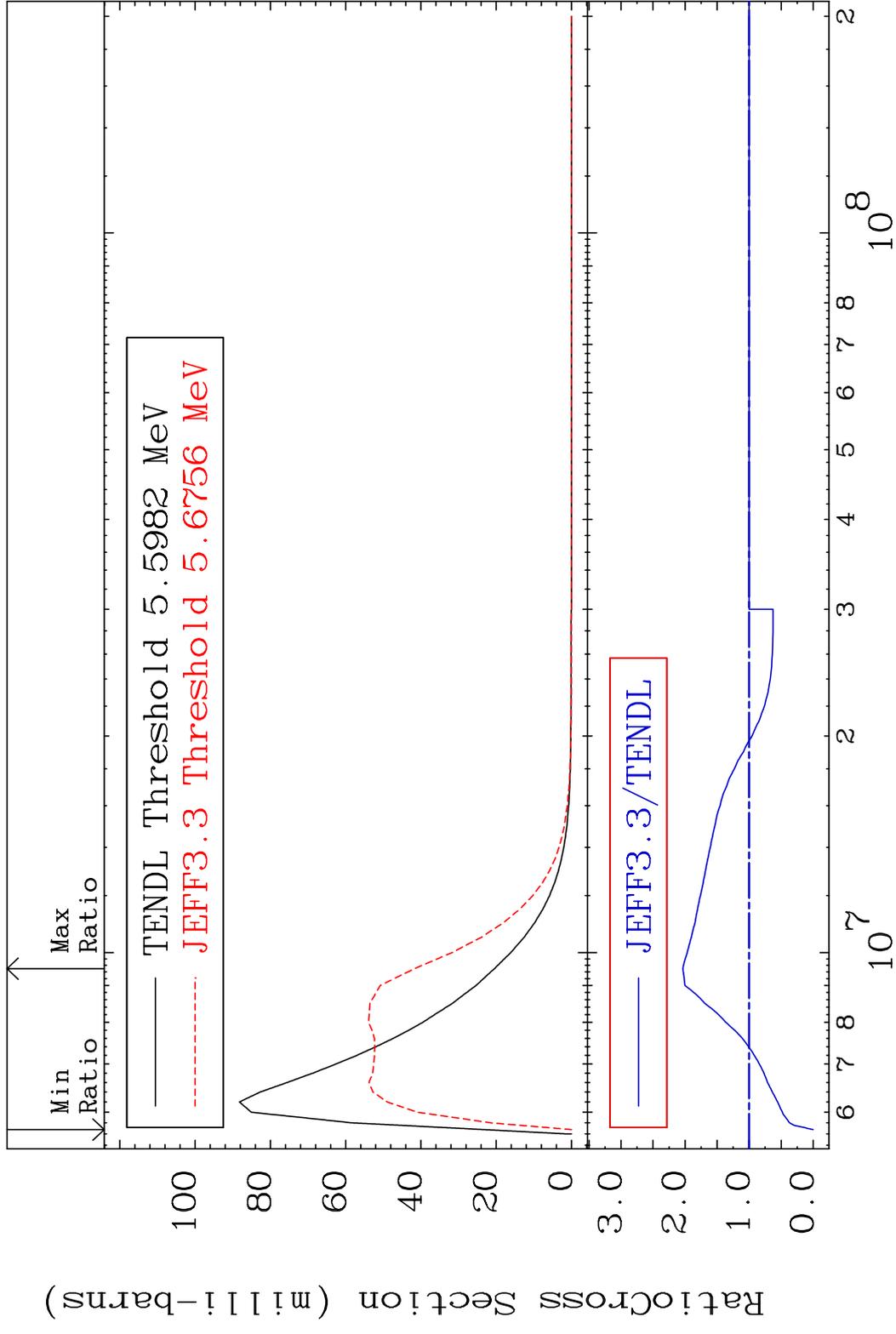


21

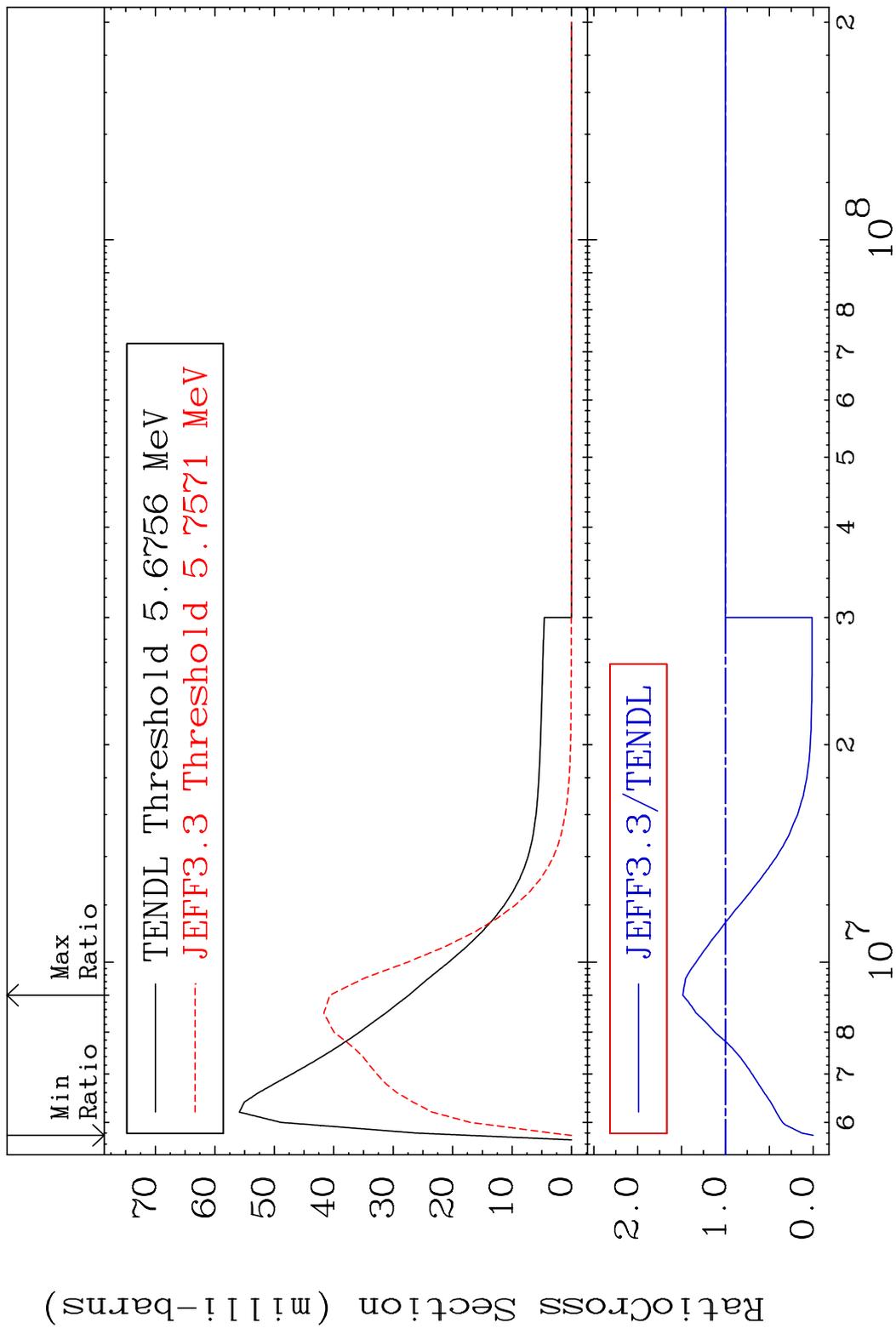
Incident Energy (eV)

14-Si-32

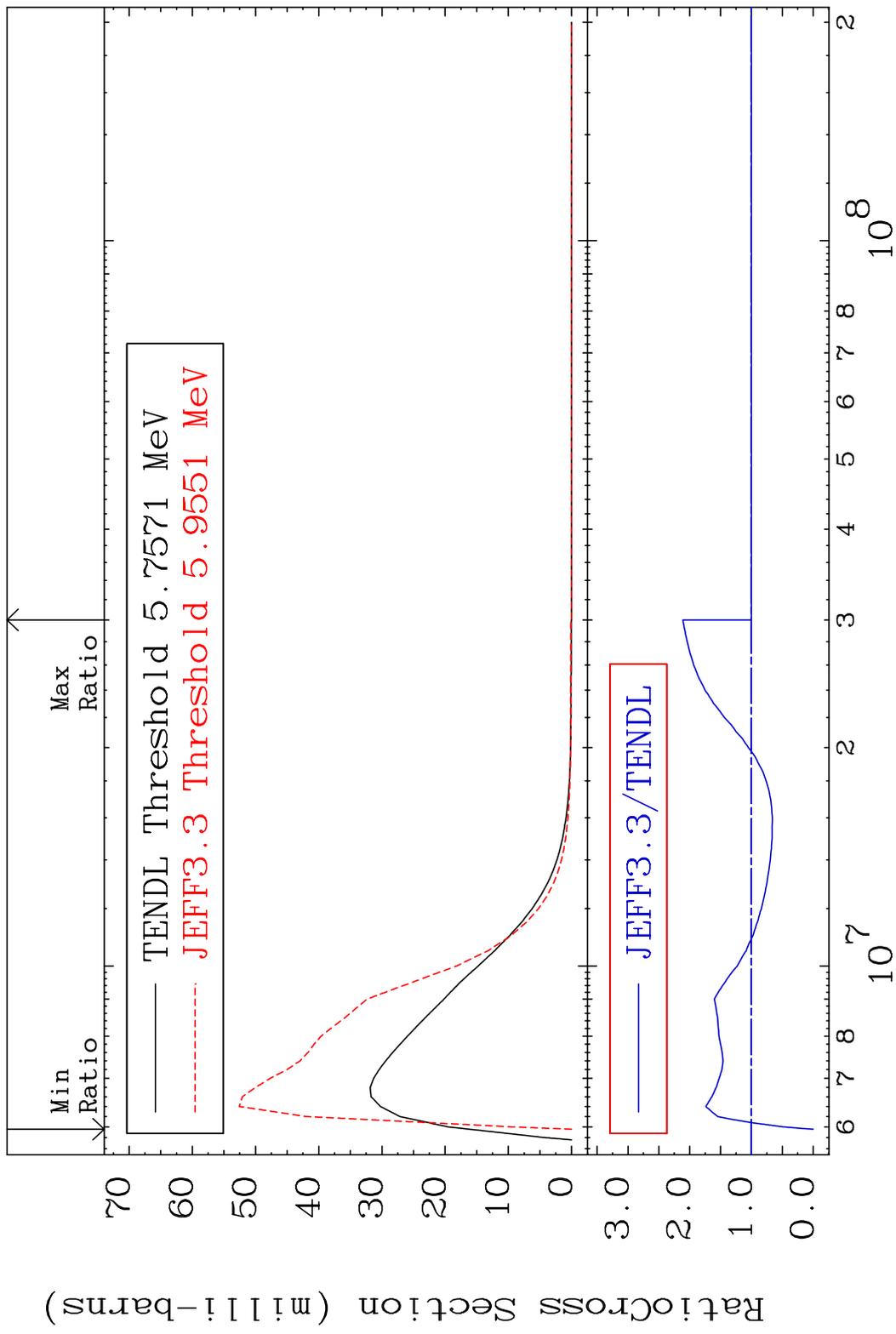
MAT 1437 MT= 57 (n,n') Level 14-Si-32  
 Cross Section -100.0 To 103.5 %



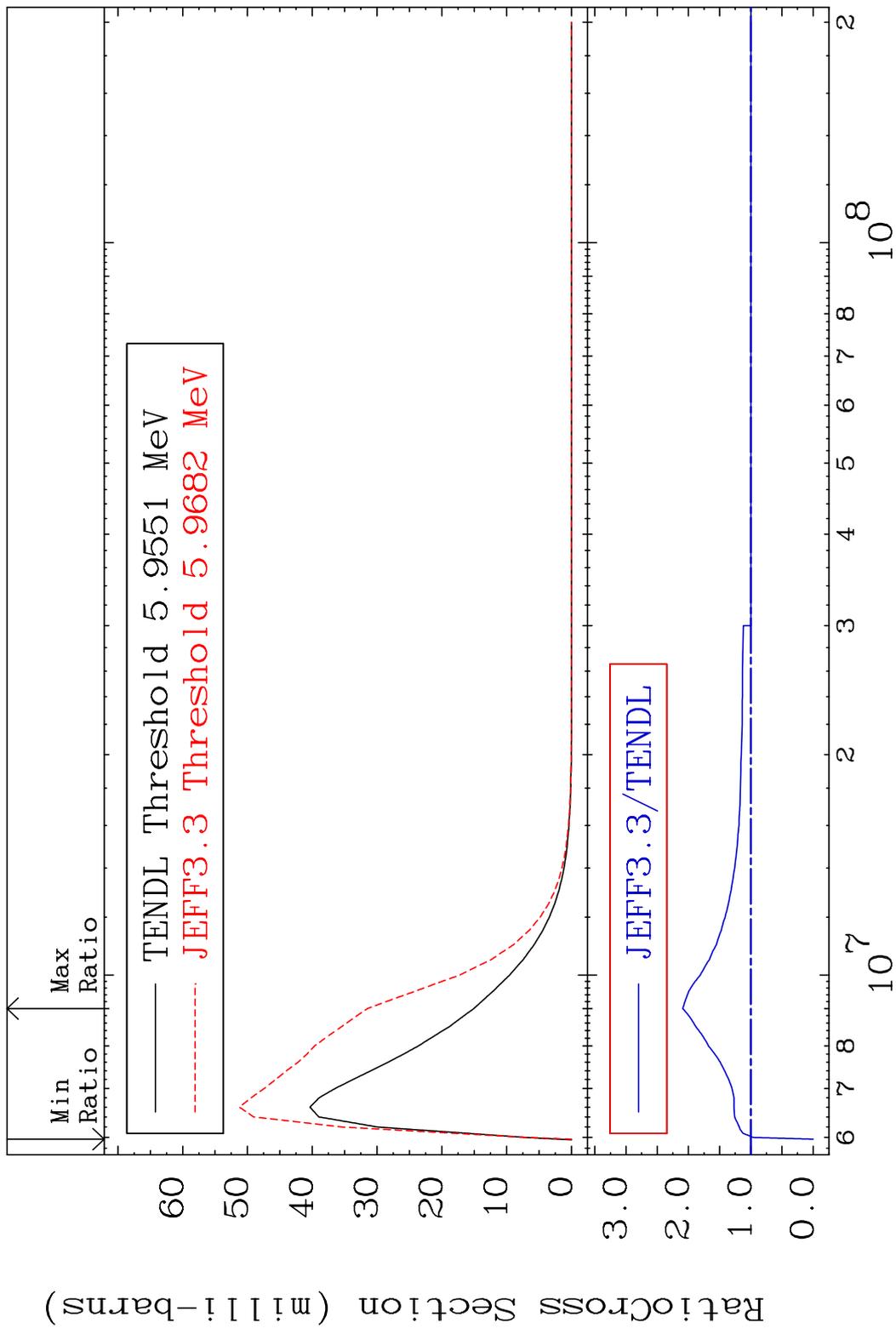
MAT 1437 MT= 58 (n,n') Level 14-Si-32  
 Cross Section -100.0 To 48.49 %



MAT 1437 MT= 59 (n, n') Level 14-Si-32  
 Cross Section -100.0 To 111.1 %



MAT 1437 MT= 60 (n, n') Level 14-Si-32  
 Cross Section -100.0 To 108.9 %

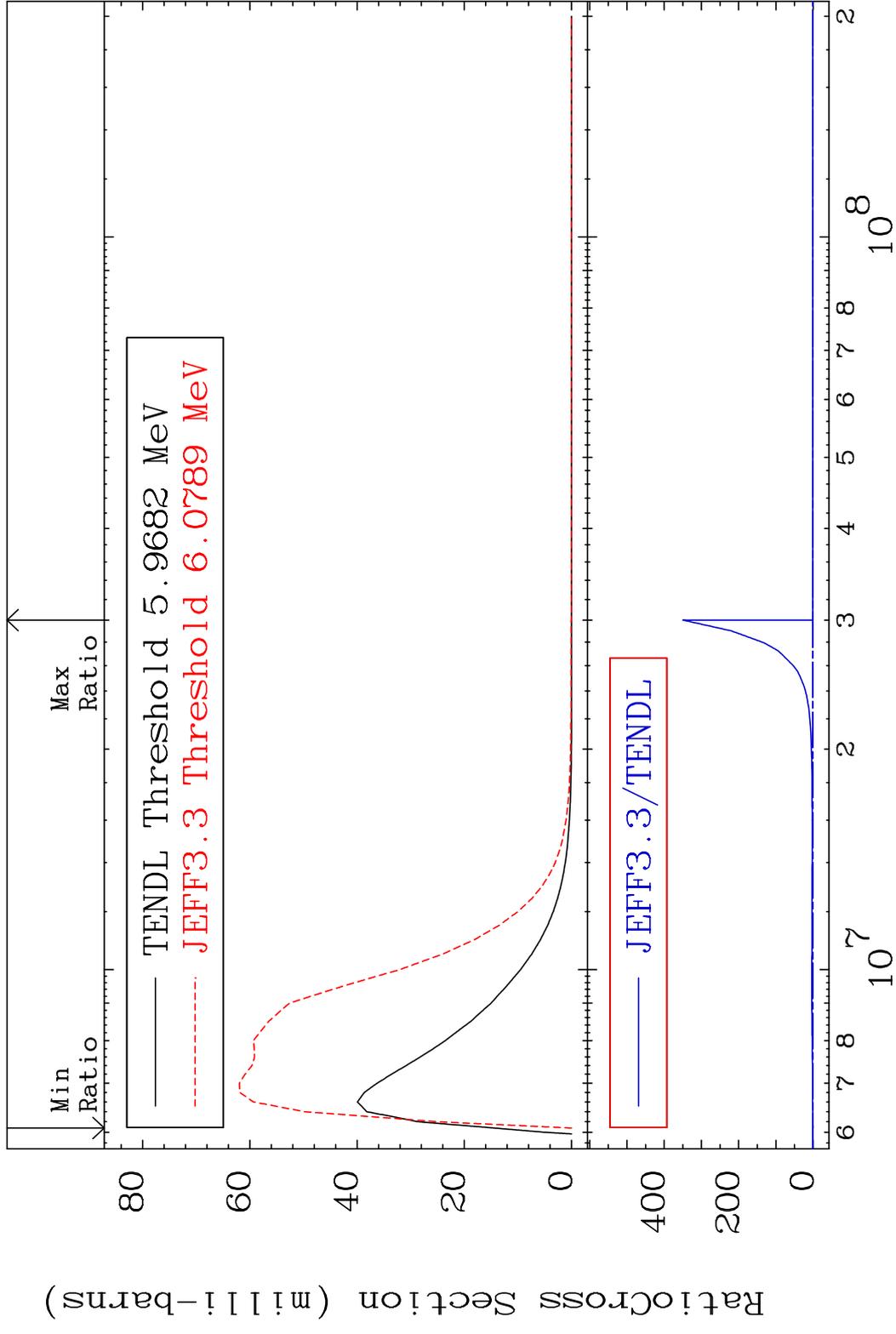


MAT 1437

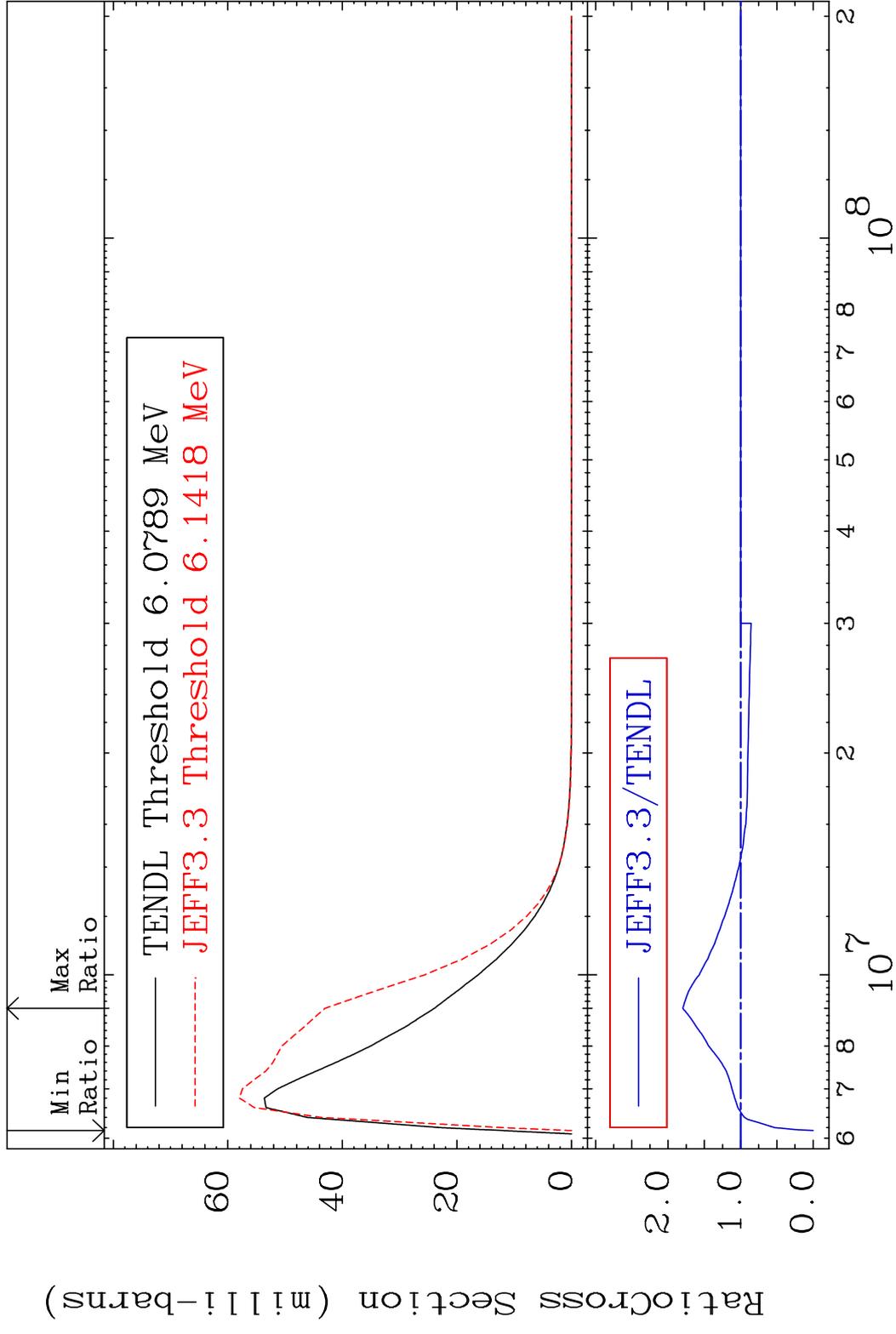
MT= 61 (n, n') Level

14-Si-32

Cross Section -100.0 To 9999. %



MAT 1437 MT= 62 (n, n') Level 14-Si-32  
 Cross Section -100.0 To 79.69 %

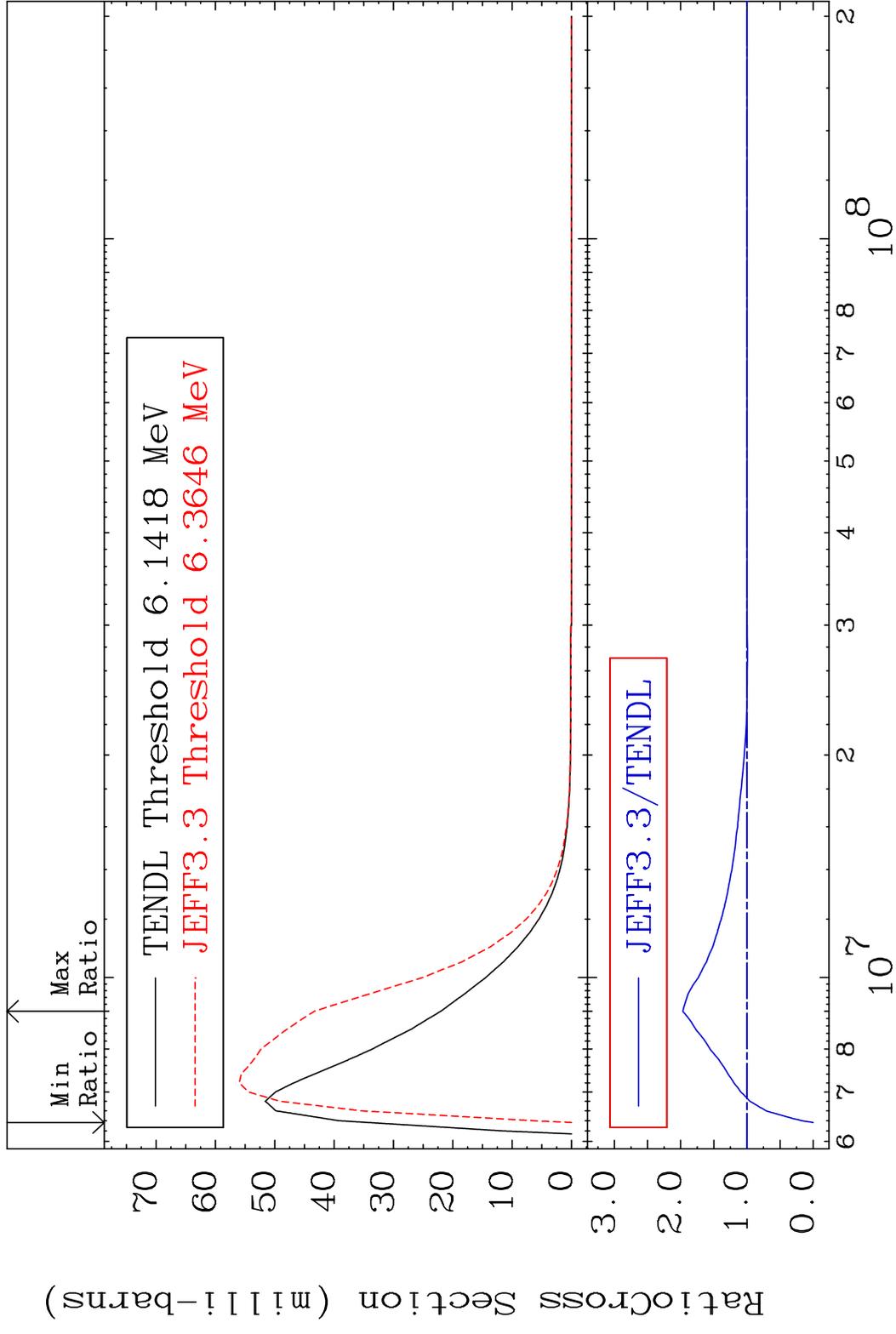


MAT 1437

MT= 63 (n, n') Level

14-Si-32

Cross Section -100.0 To 96.76 %

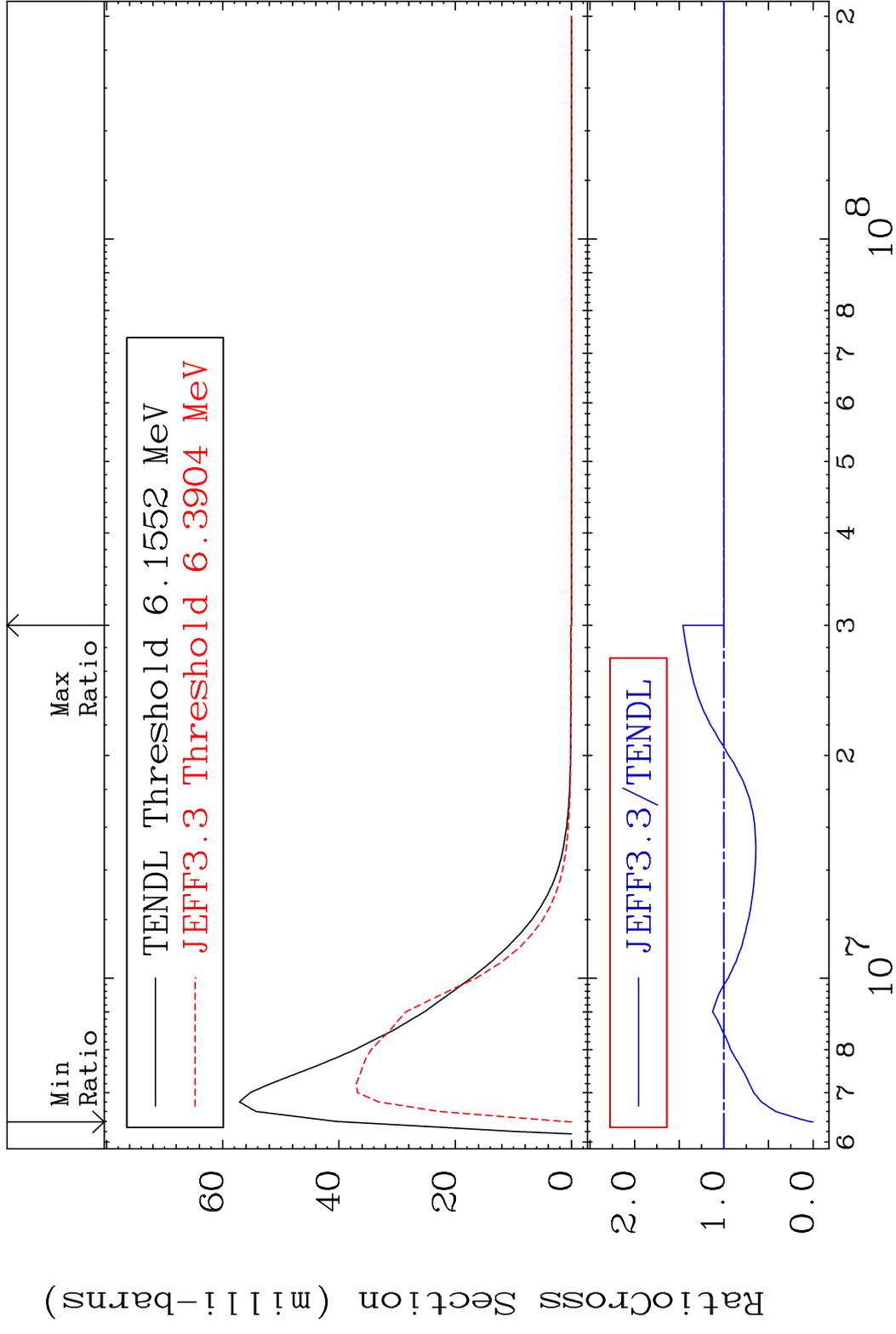


28

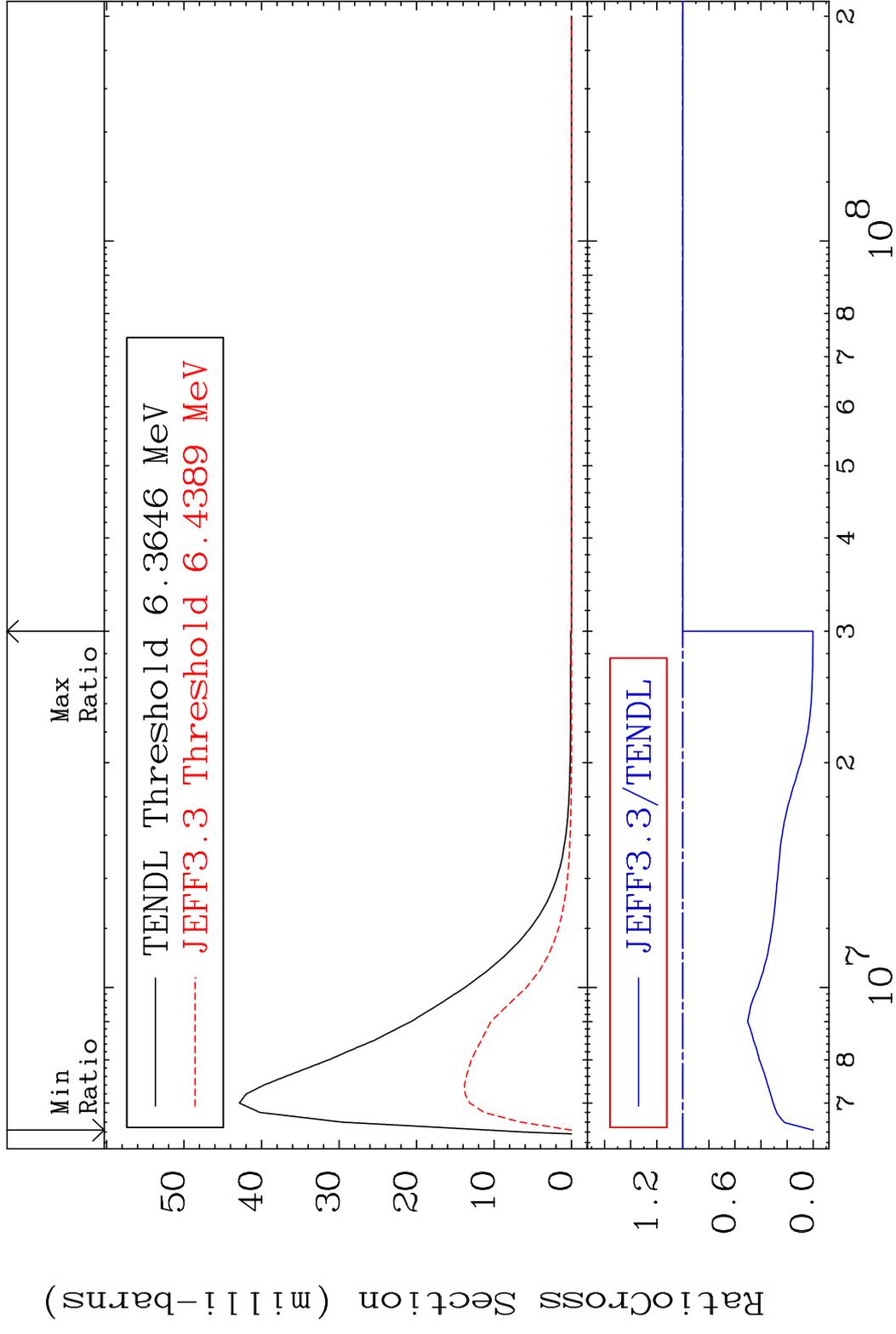
Incident Energy (eV)

14-Si-32

MAT 1437 MT= 64 (n,n') Level 14-Si-32  
 Cross Section -100.0 To 46.01 %



MAT 1437 MT= 65 (n, n') Level 14-Si-32  
 Cross Section -100.0 To 0.000 %



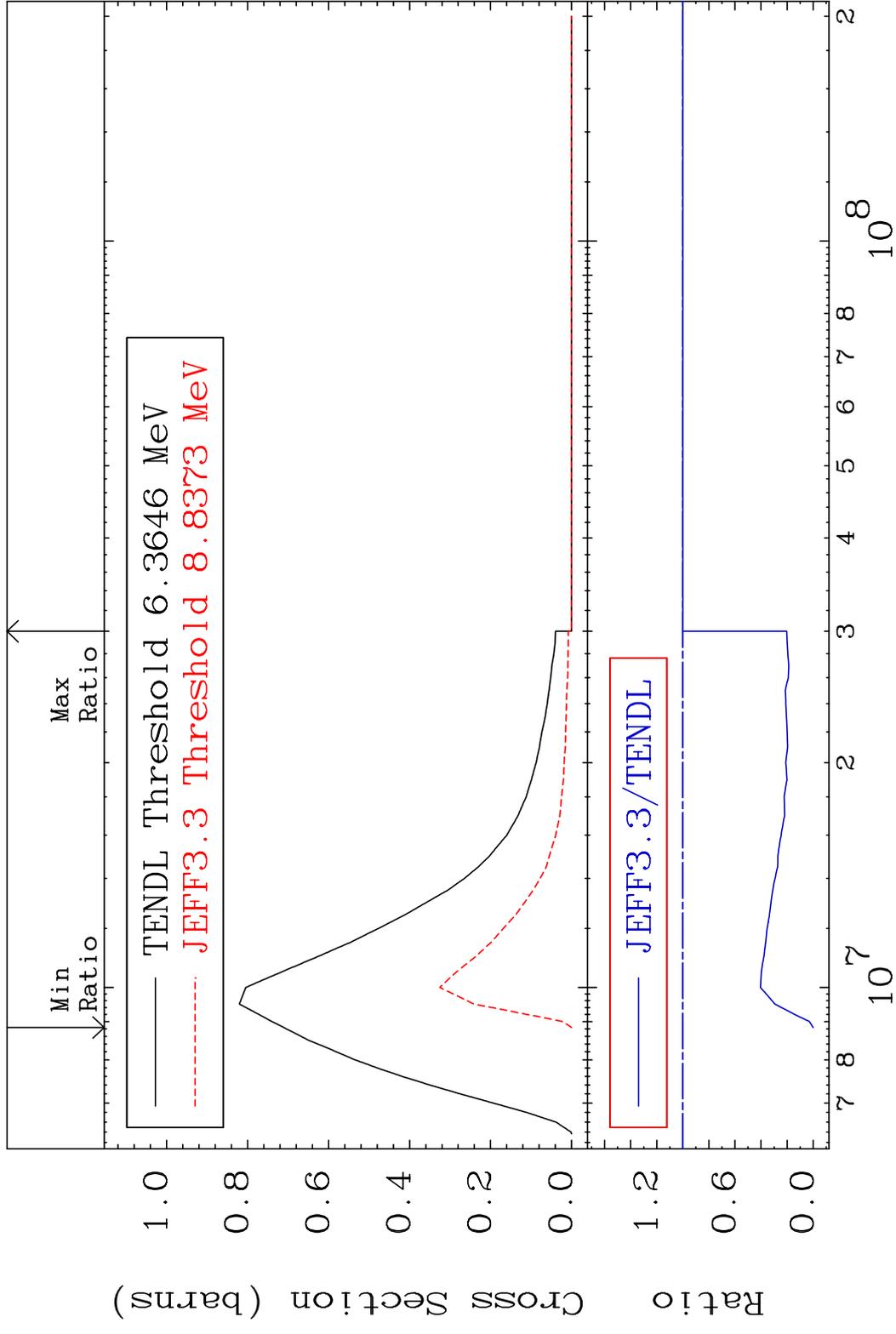
30 Incident Energy (eV) 14-Si-32

MAT 1437

(n, n') Continuum

14-Si-32

Cross Section -100.0 To 0.000 %



31

Incident Energy (eV)

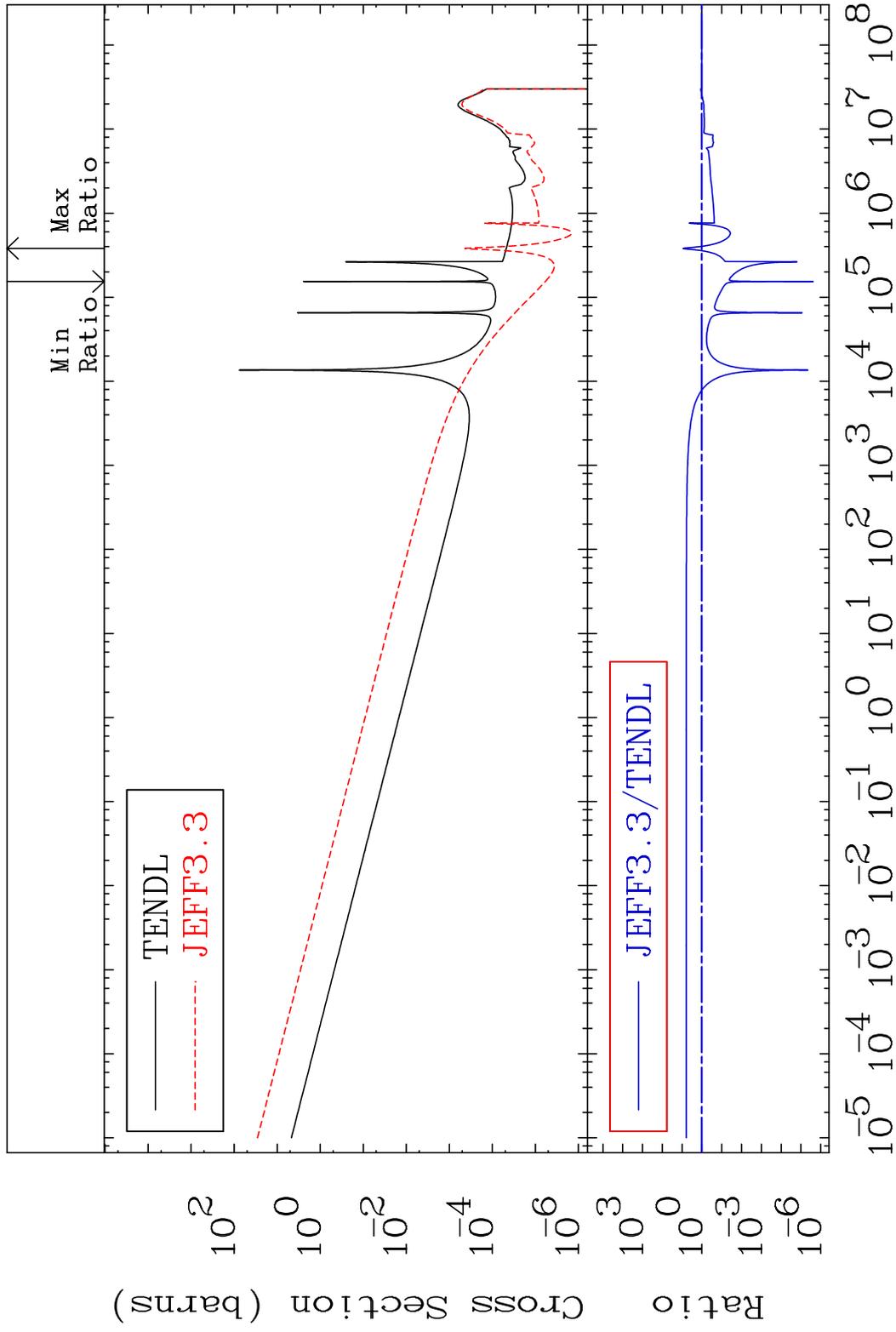
14-Si-32

MAT 1437

(n,  $\gamma$ )

14-Si-32

Cross Section -100.0 To 819.6 %



32

Incident Energy (eV)

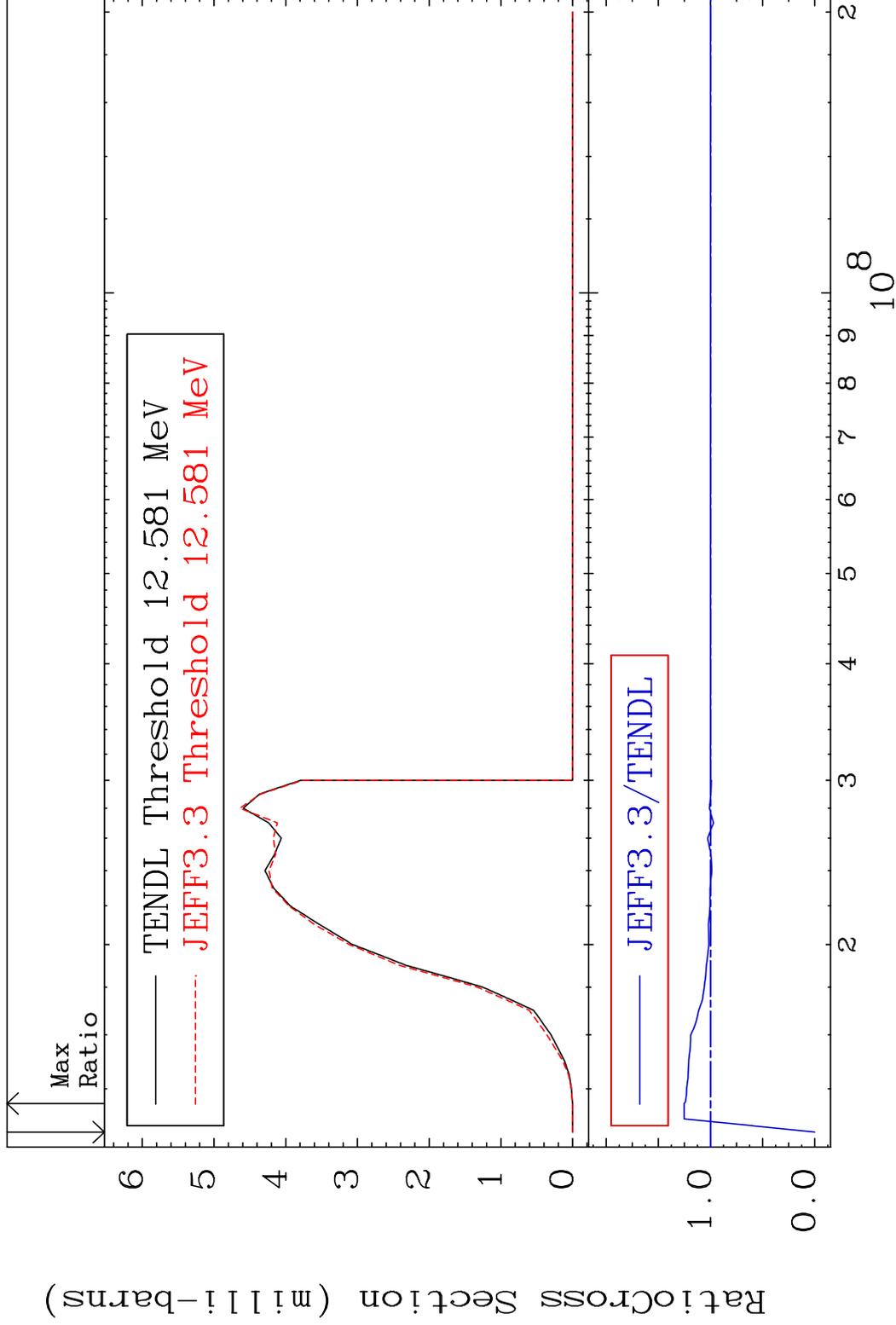
14-Si-32

MAT 1437

(n, p)

<sup>14</sup>Si-32

Cross Section -100.0 To 25.27 %



33

Incident Energy (eV)

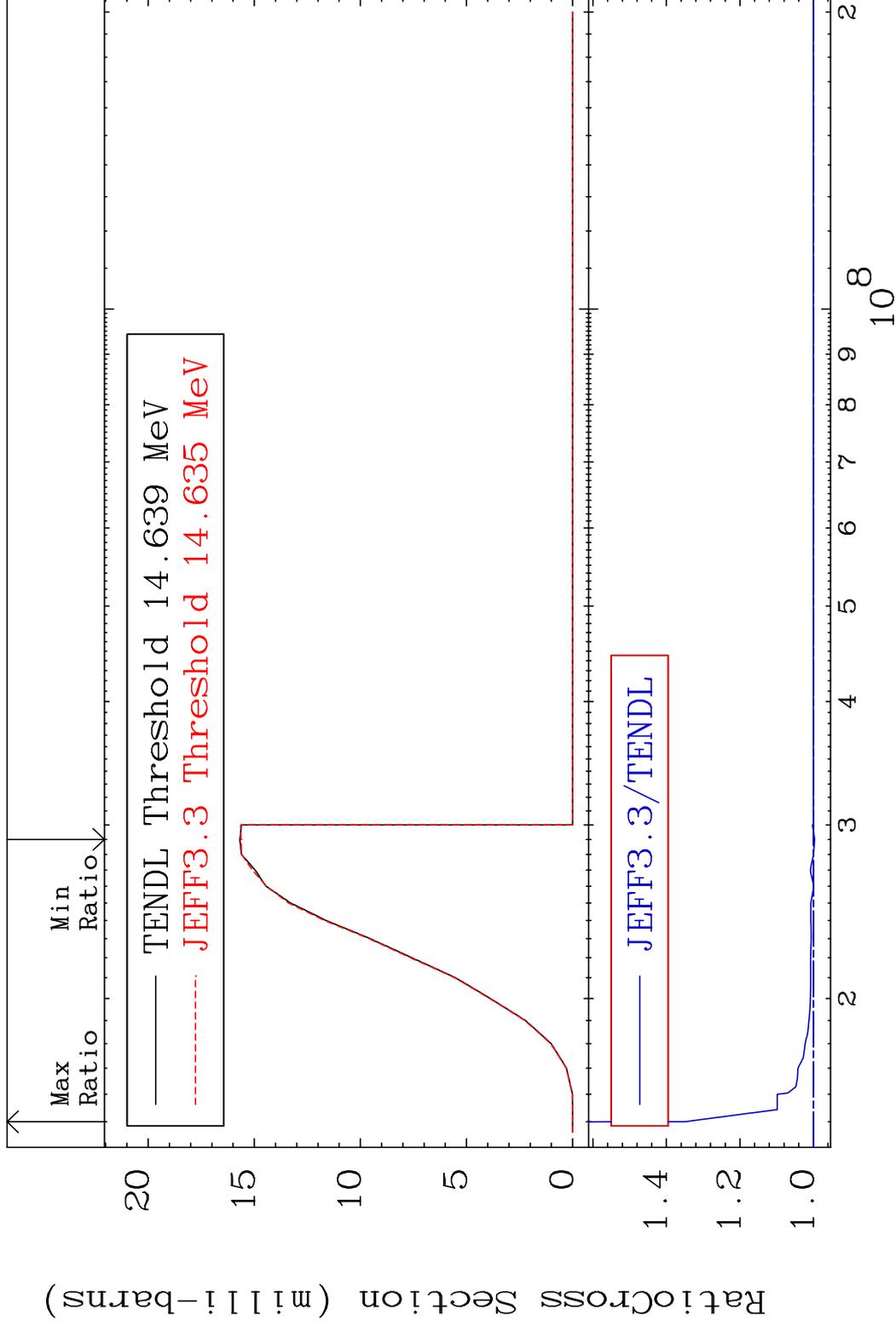
<sup>14</sup>Si-32

MAT 1437

(n, d)

<sup>14</sup>Si-32

Cross Section -0.354 To 35.18 %



34

Incident Energy (eV)

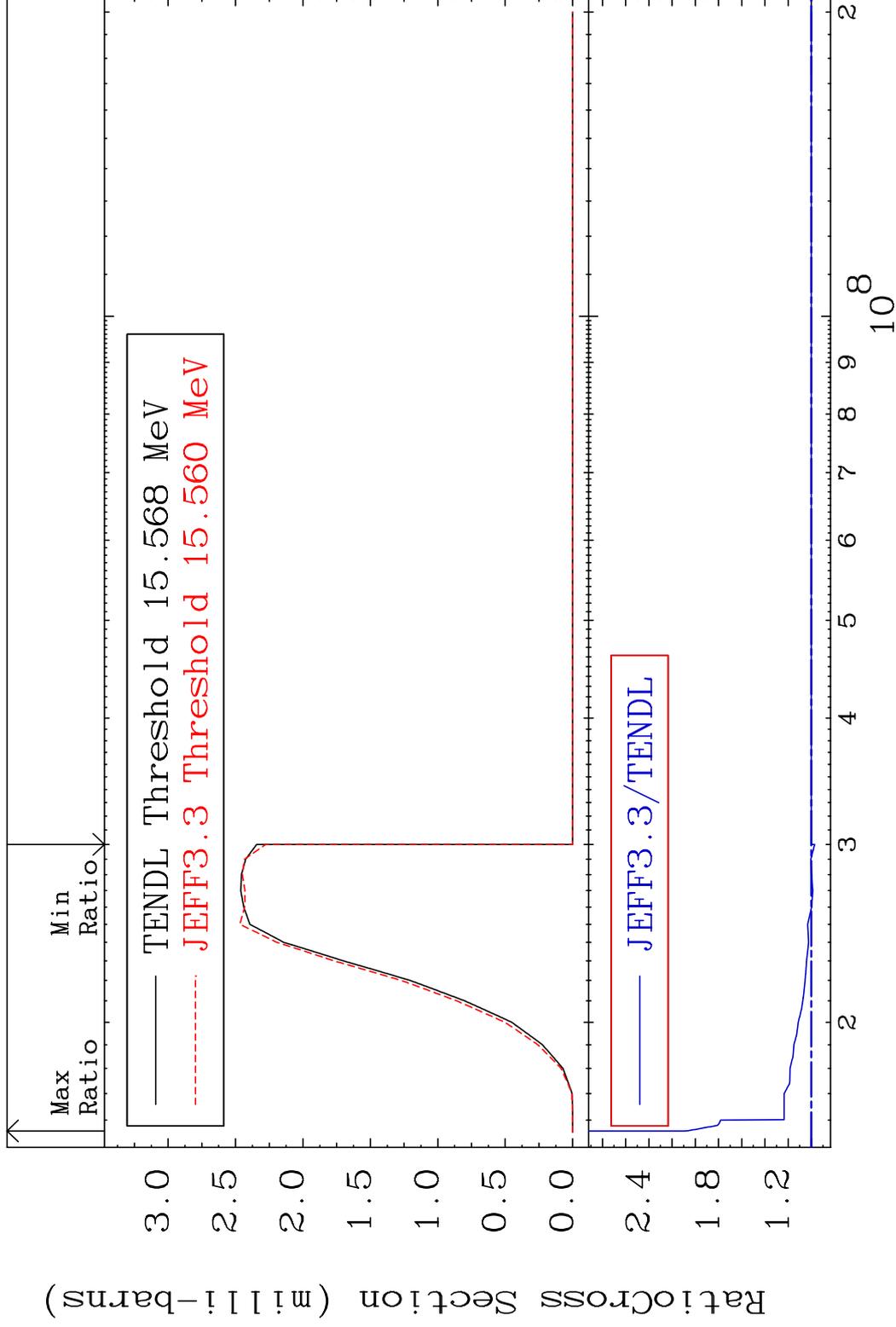
<sup>14</sup>Si-32

MAT 1437

(n, t)

14-Si-32

Cross Section -2.888 To 109.6 %



35

Incident Energy (eV)

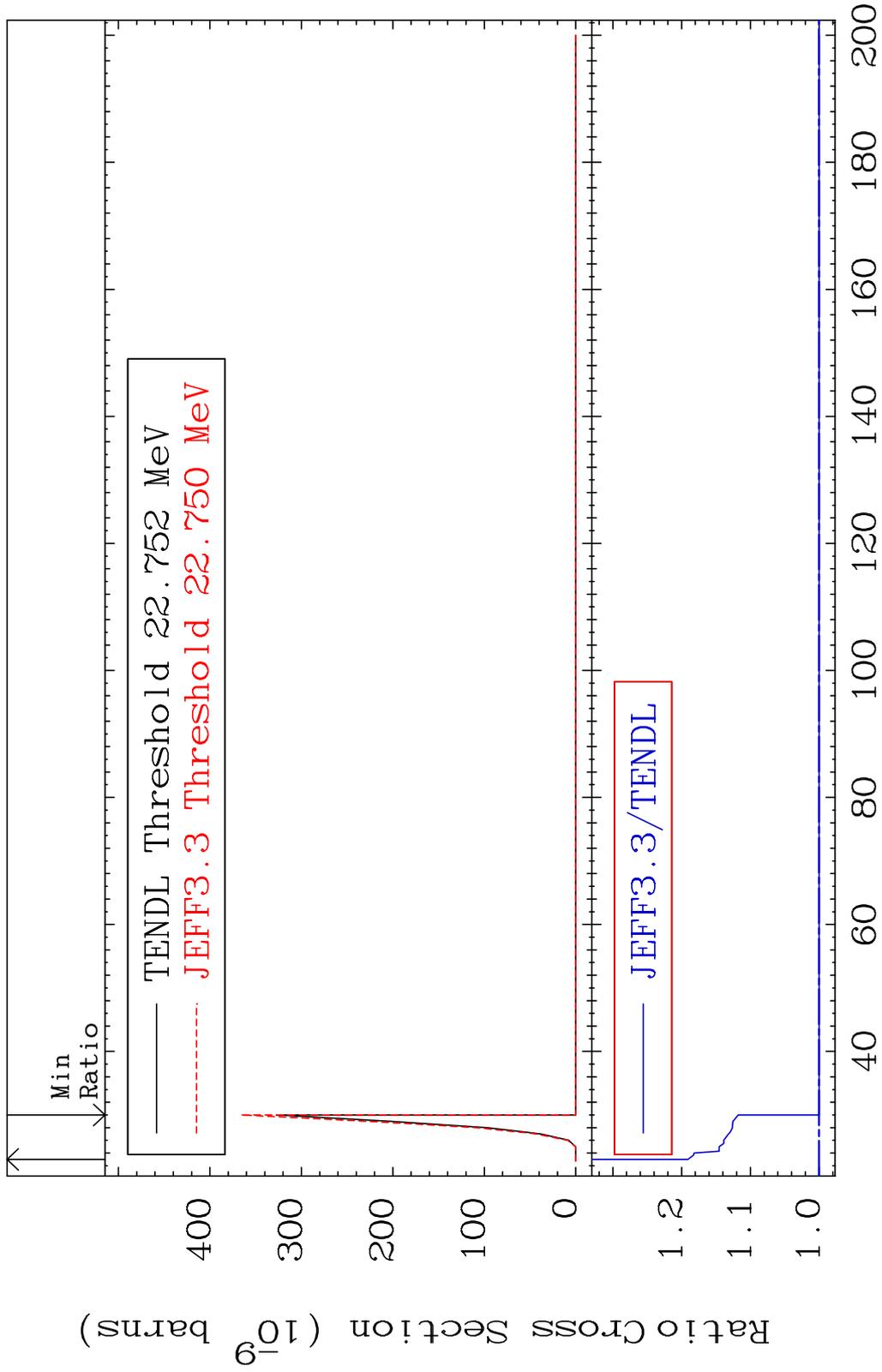
14-Si-32

MAT 1437

(n, He-3)

<sup>14</sup>Si-32

Cross Section 0.000 To 19.09 %

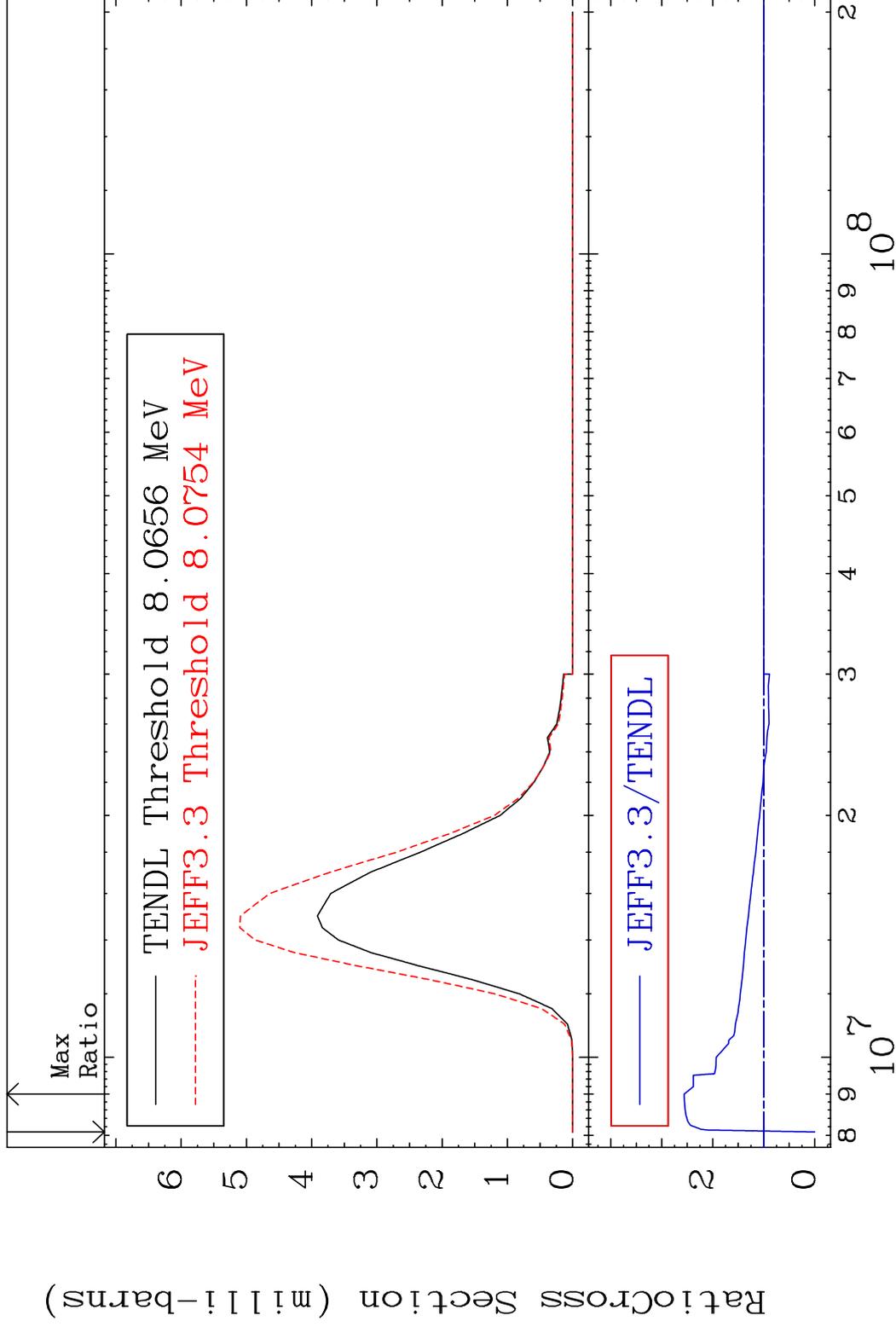


MAT 1437

(n,  $\alpha$ )

14-Si-32

Cross Section -100.0 To 156.1 %



37

Incident Energy (eV)

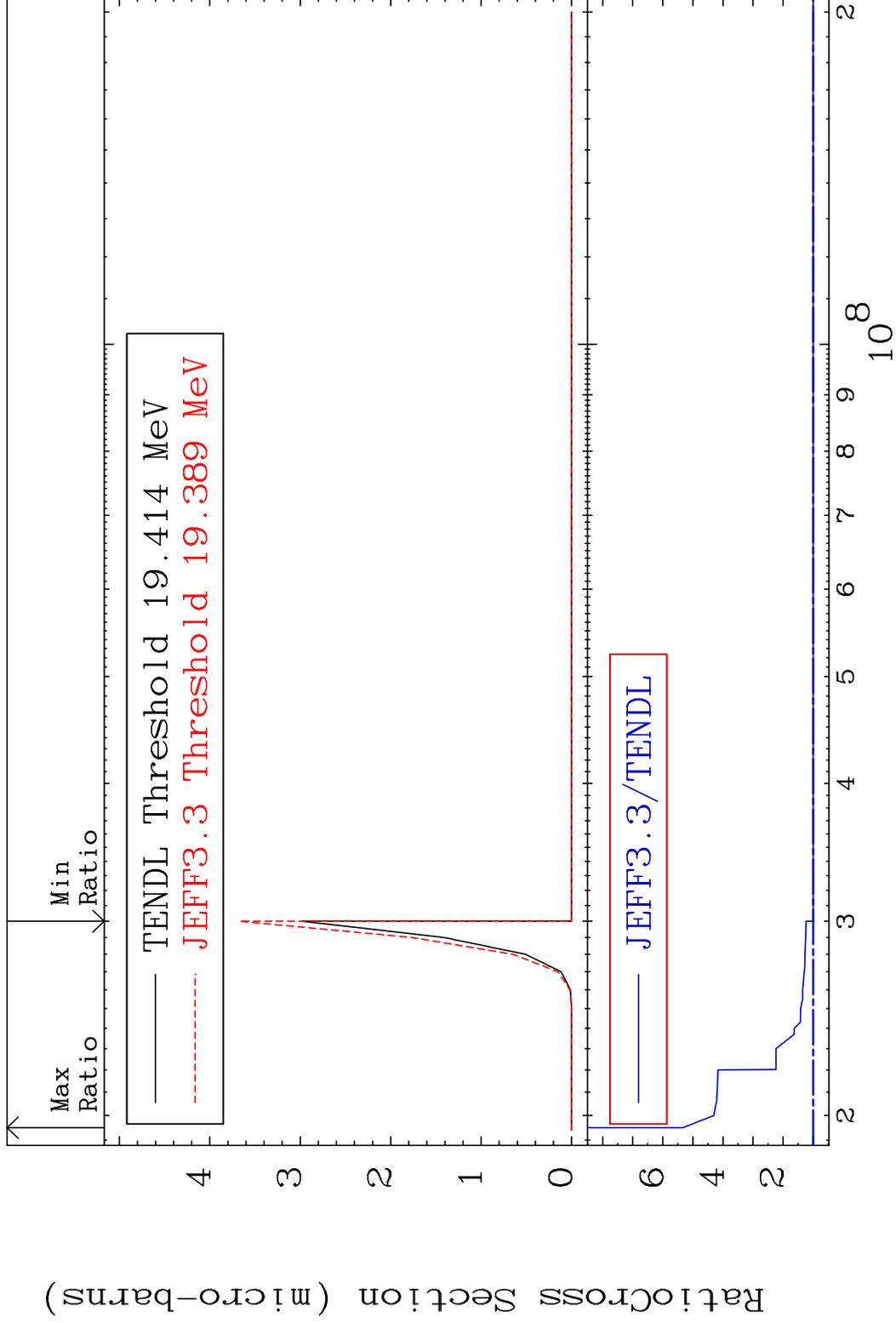
14-Si-32

MAT 1437

(n,2α)

14-Si-32

Cross Section 0.000 To 433.3 %



38

Incident Energy (eV)

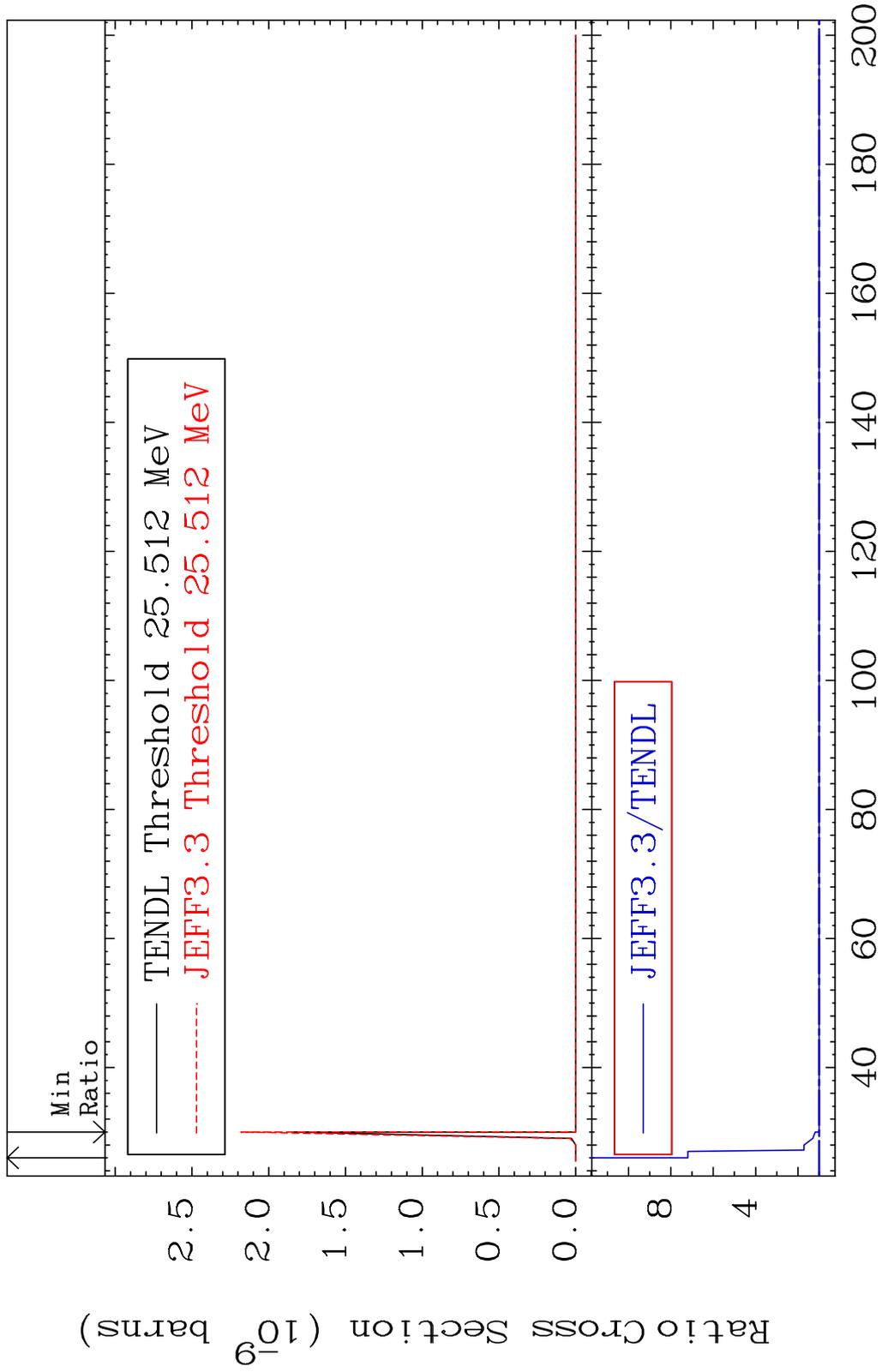
14-Si-32

MAT 1437

(n,p)  $\alpha$

14-Si-32

Cross Section 0.000 To 620.0 %

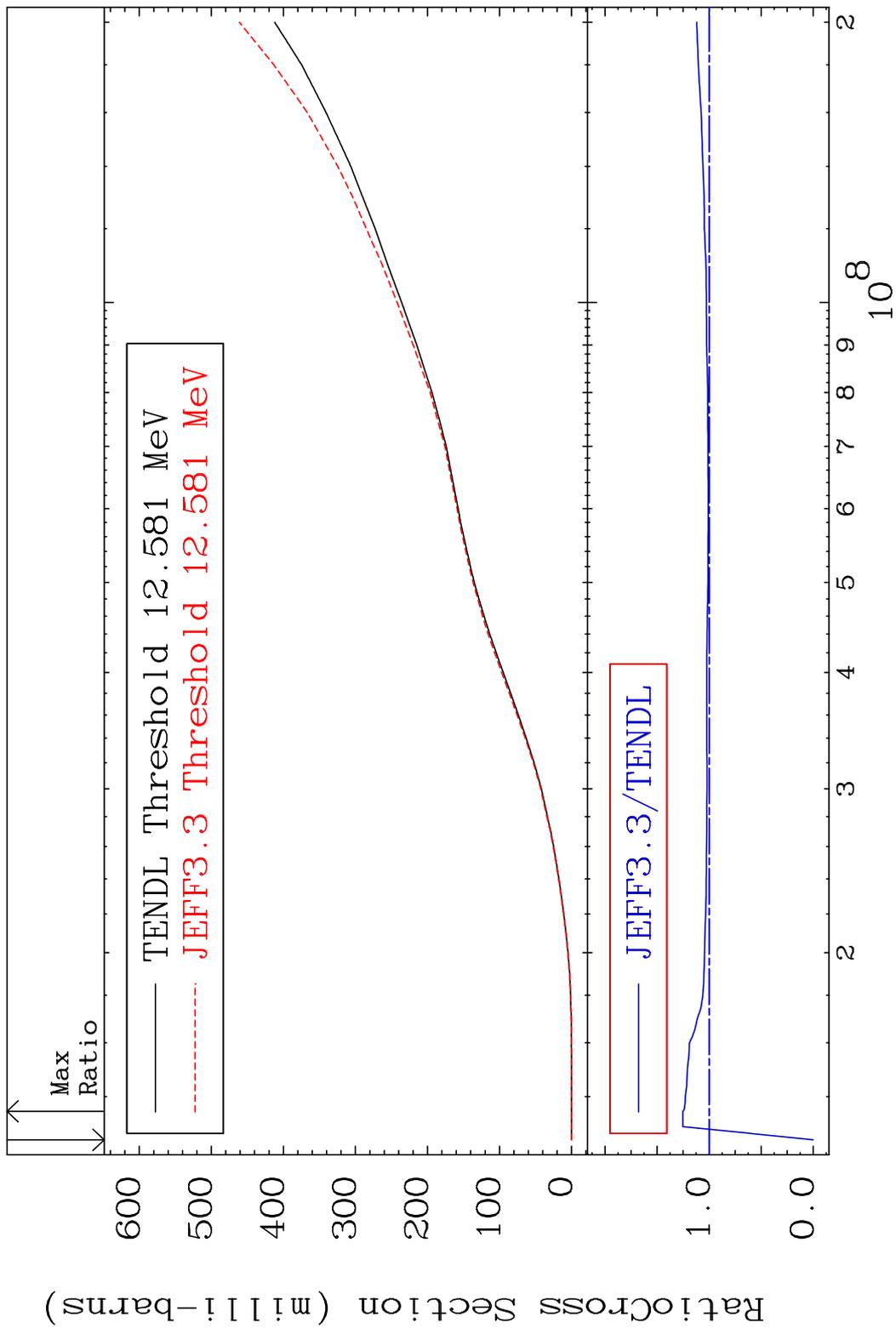


39

Incident Energy (MeV)

14-Si-32

MAT 1437 Hydrogen Production 14-Si-32  
 Cross Section -100.0 To 25.27 %



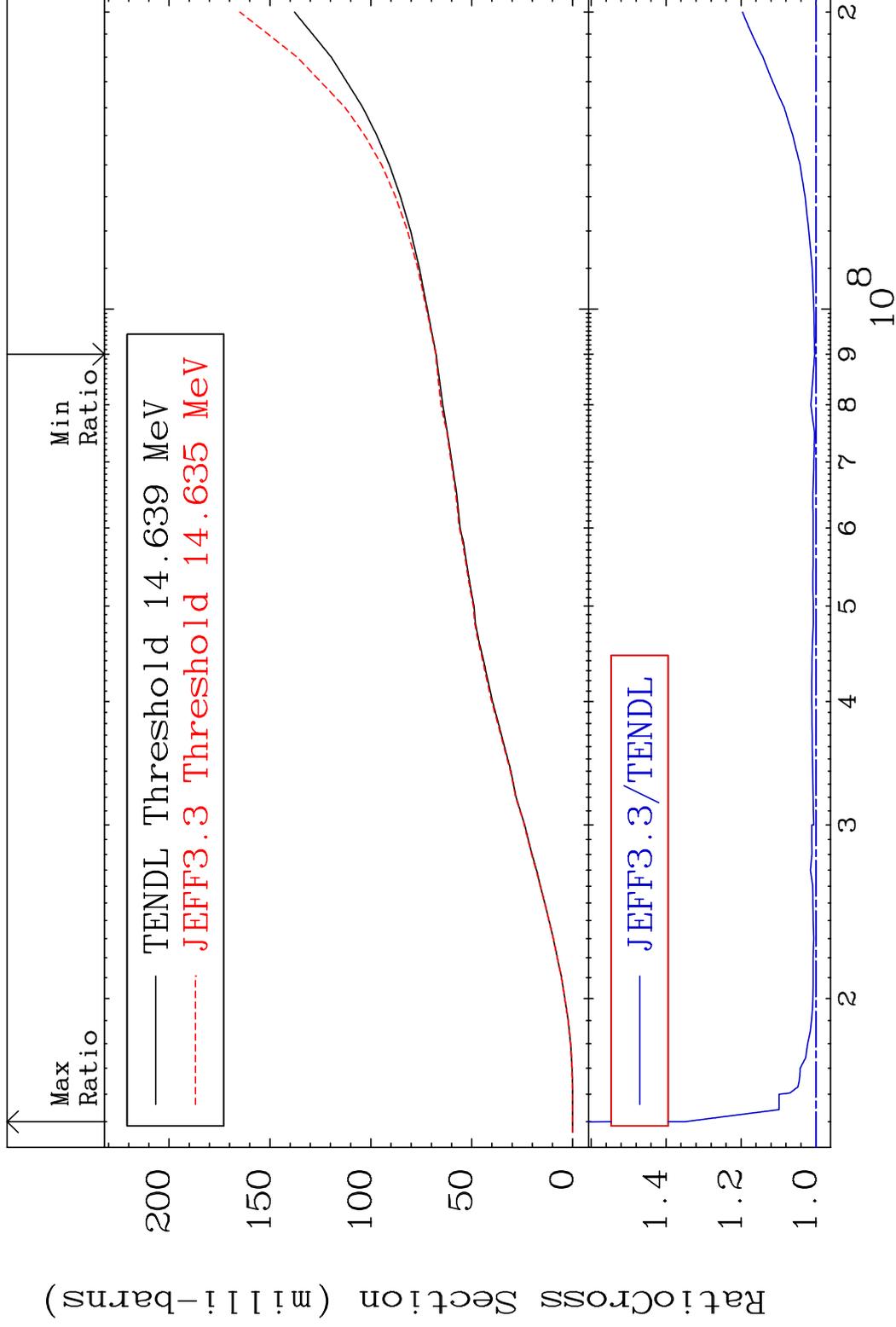
40 Incident Energy (eV) 14-Si-32

MAT 1437

Deuterium Production

<sup>14</sup>Si-32

Cross Section 0.332 To 35.18 %

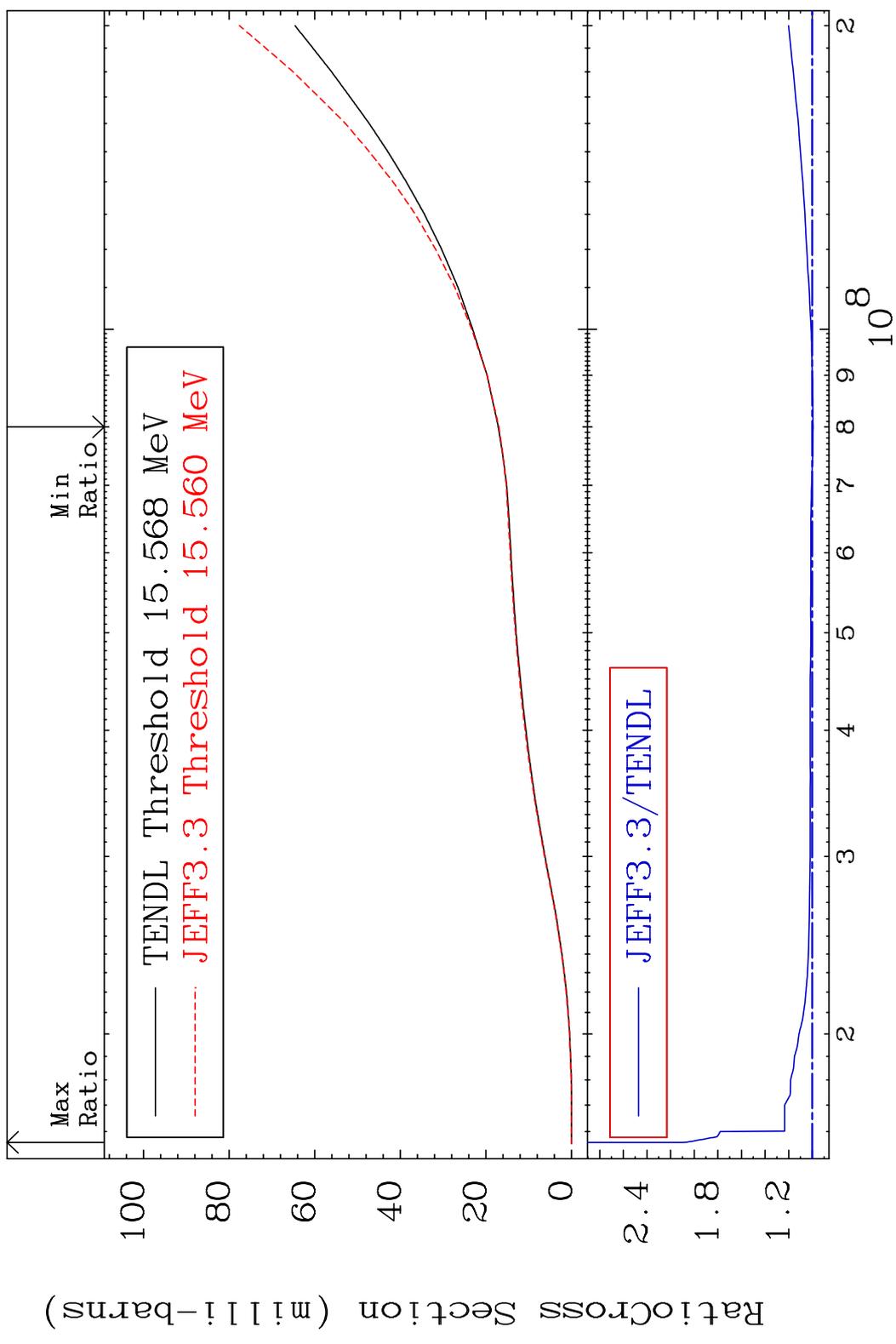


MAT 1437

Tritium Production

14-Si-32

Cross Section -0.717 To 109.6 %



42

Incident Energy (eV)

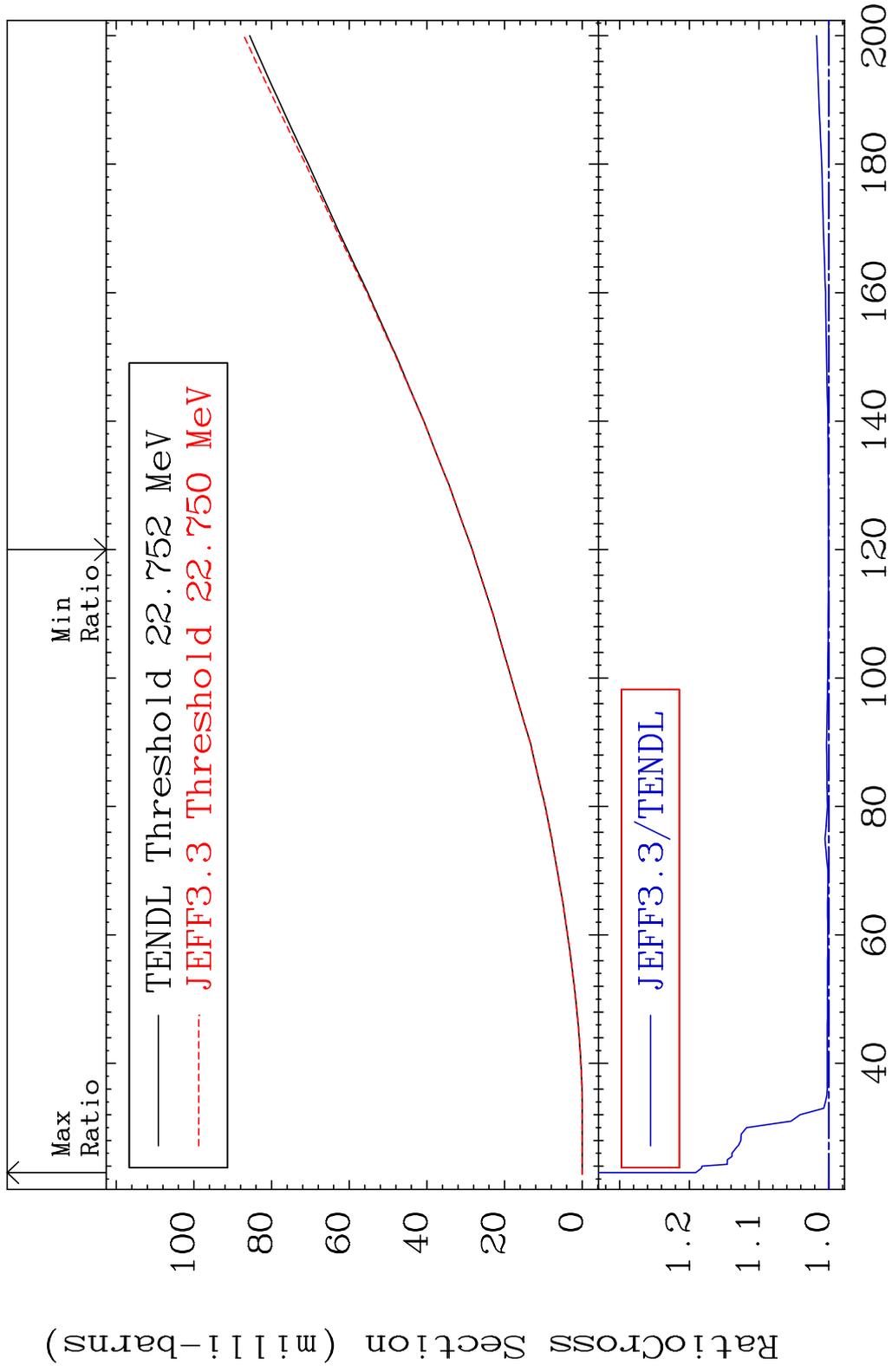
14-Si-32

MAT 1437

He-3 Production

14-Si-32

Cross Section 0.038 To 19.09 %



43

Incident Energy (MeV)

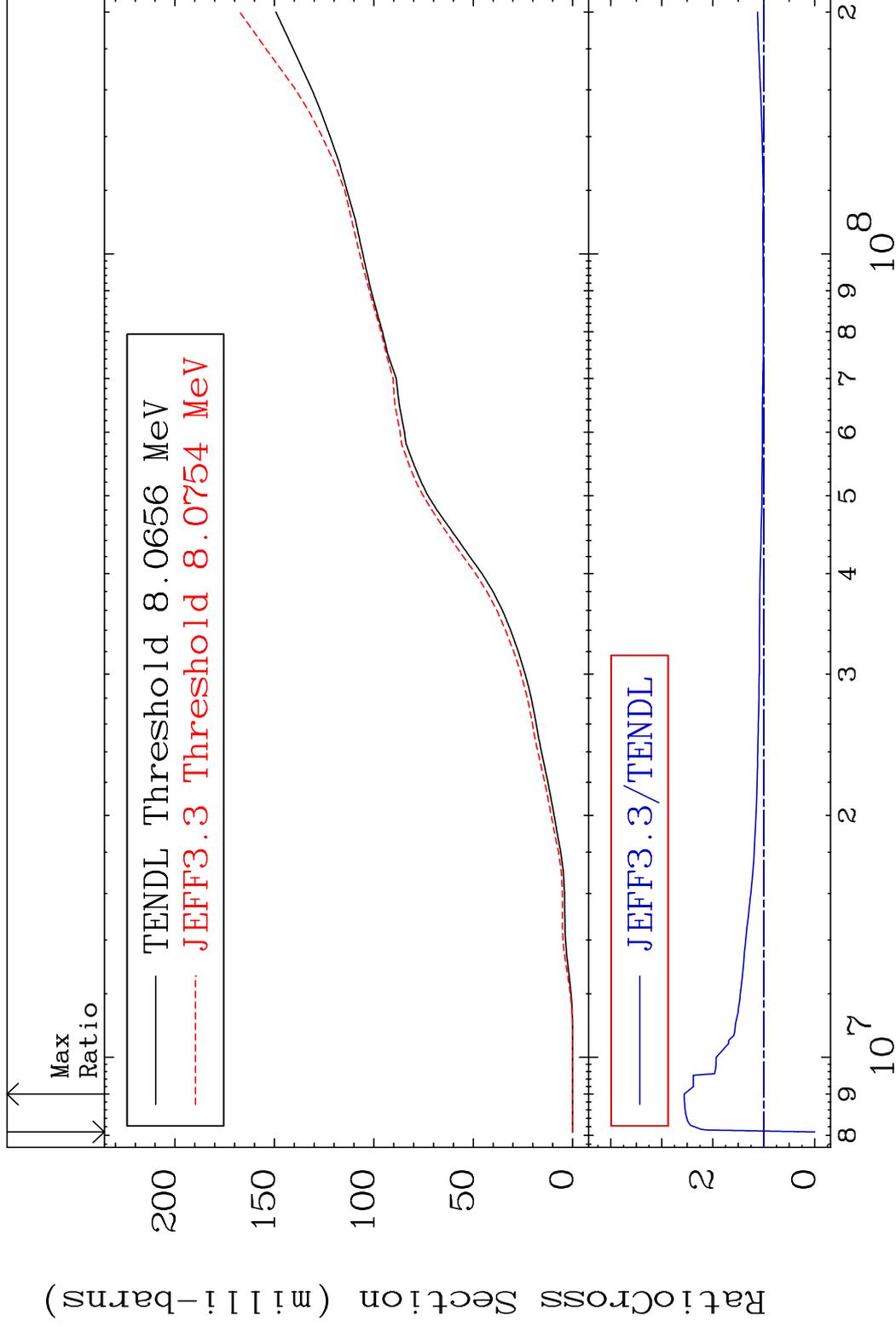
14-Si-32

MAT 1437

He-4 Production

14-Si-32

Cross Section -100.0 To 156.1 %



44

Incident Energy (eV)

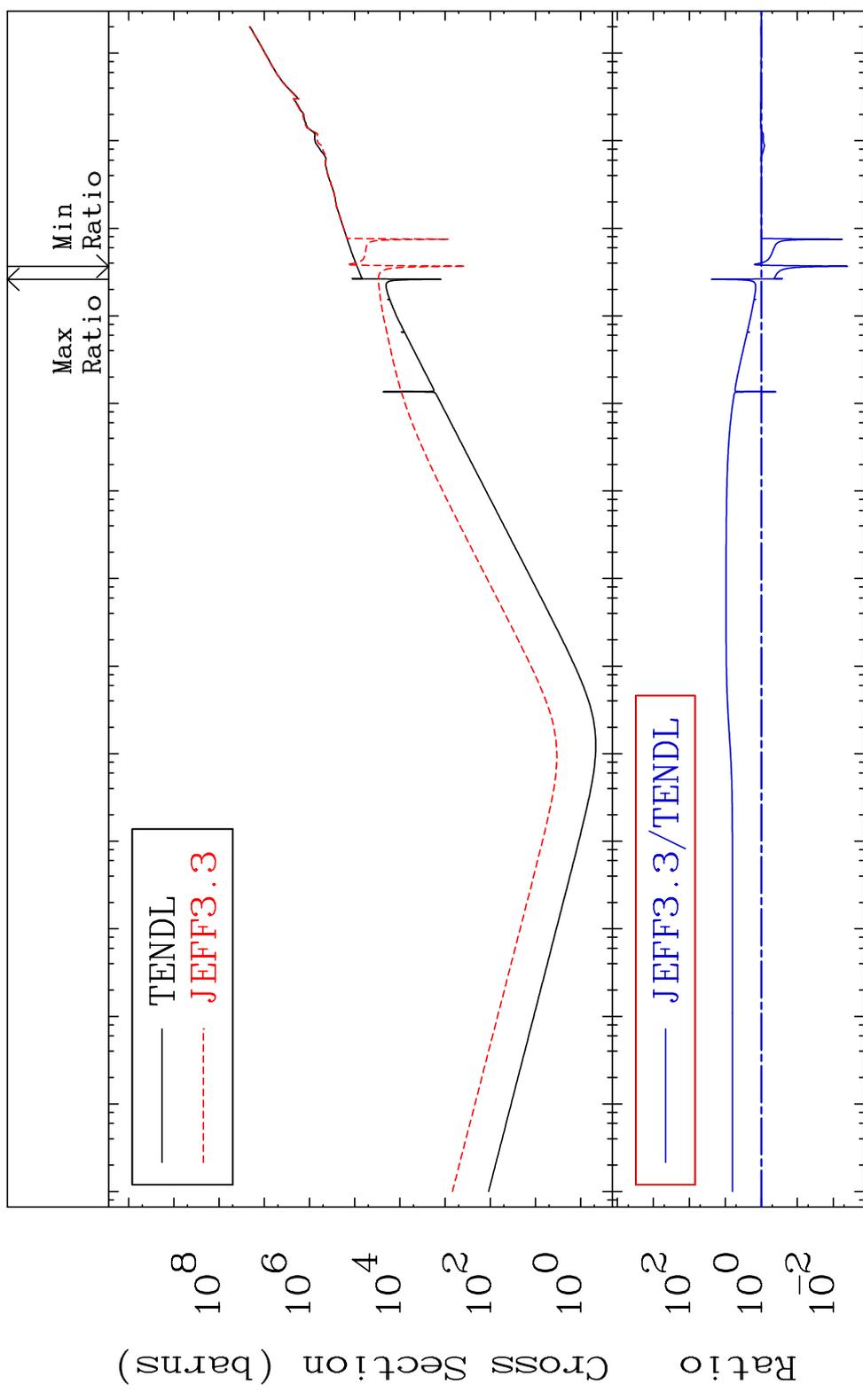
14-Si-32

MAT 1437

Kerma total (eV-barns)

14-Si-32

Cross Section -99.60 To 2282. %



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>

45

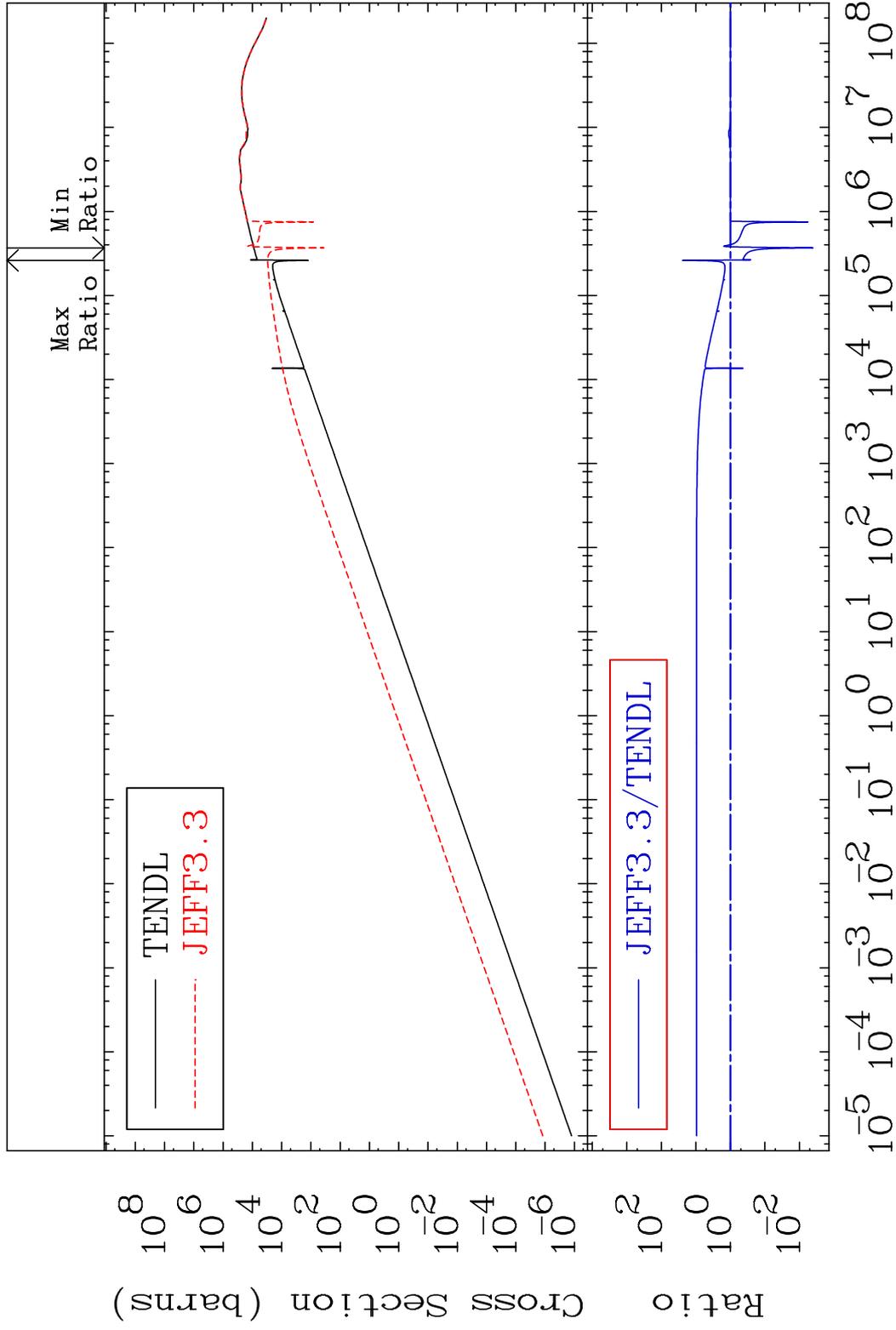
Incident Energy (eV)

14-Si-32

MAT 1437

Kerma elastic  
Cross Section

14-Si-32  
-99.60 To 2284. %

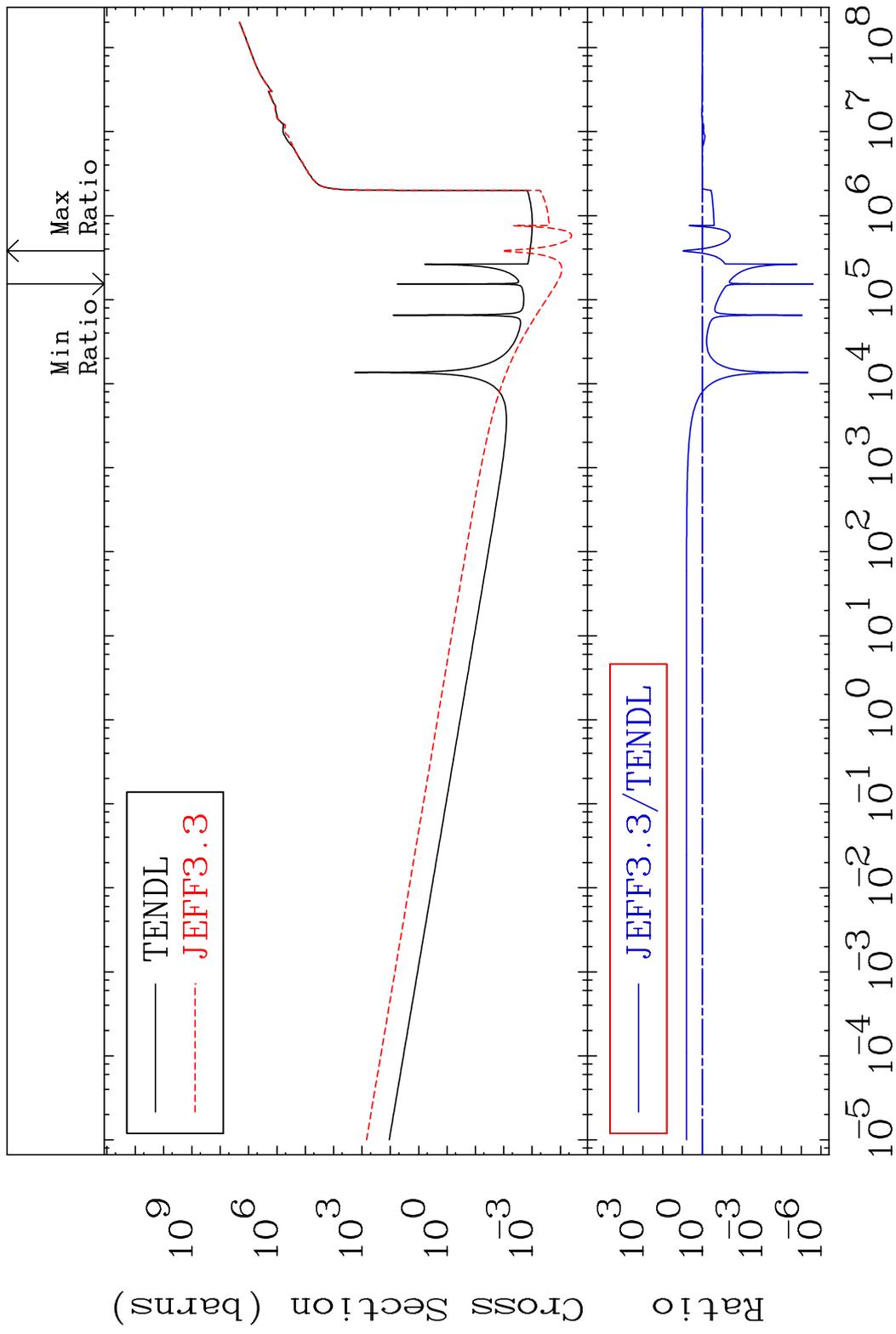


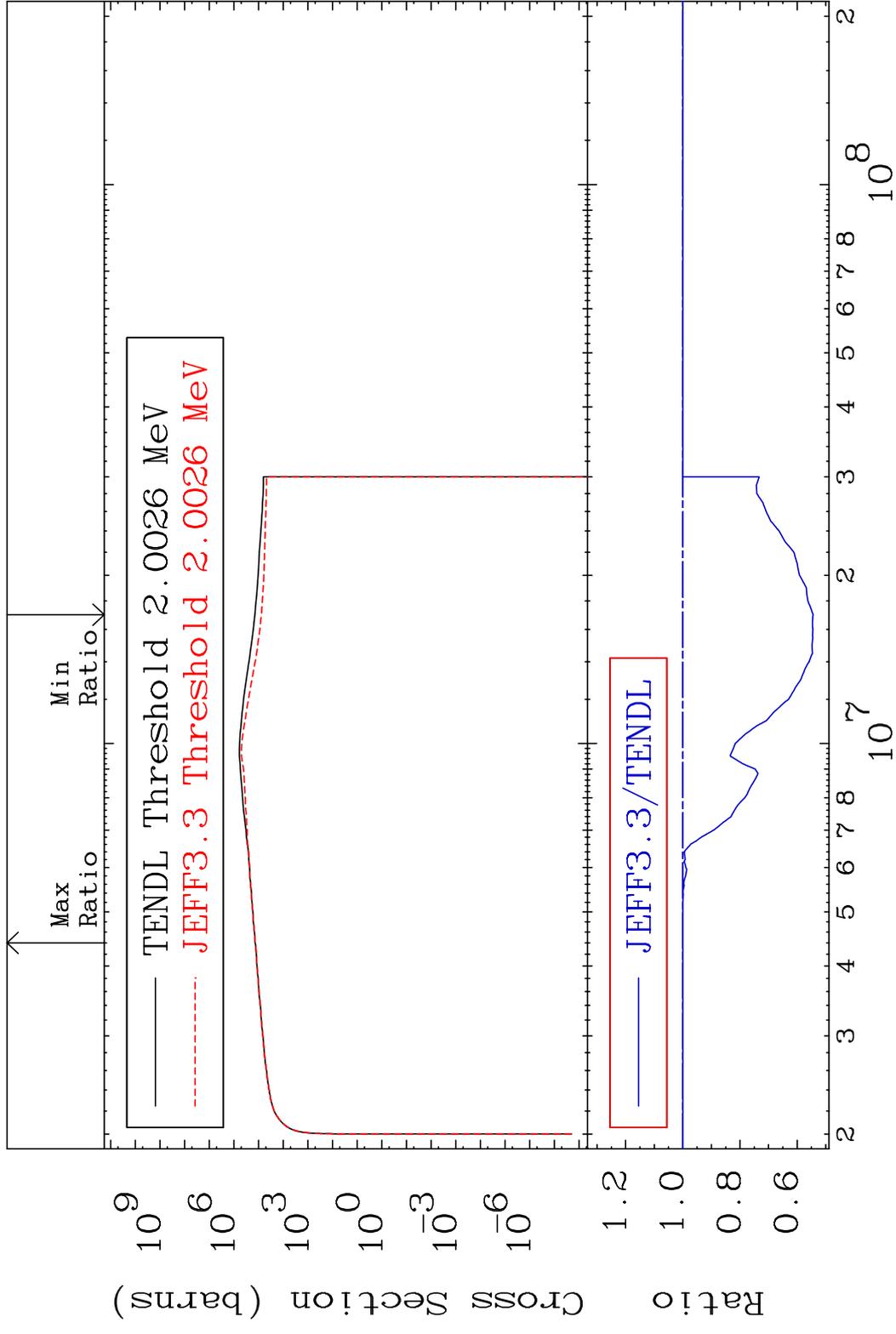
46

Incident Energy (eV)

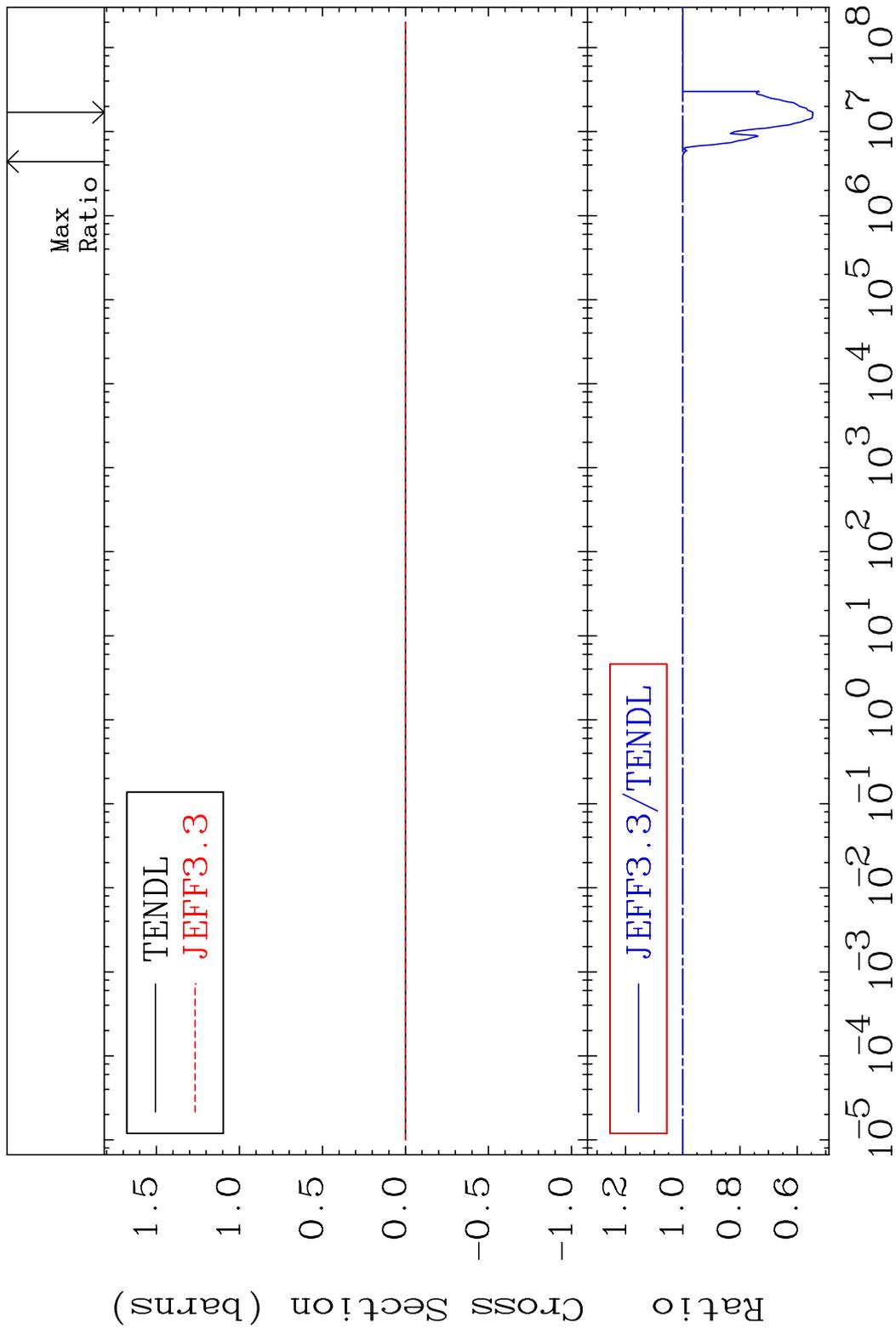
14-Si-32

MAT 1437 Kerma non-elastic (all but mt2) 14-Si-32  
 Cross Section -100.0 To 862.0 %



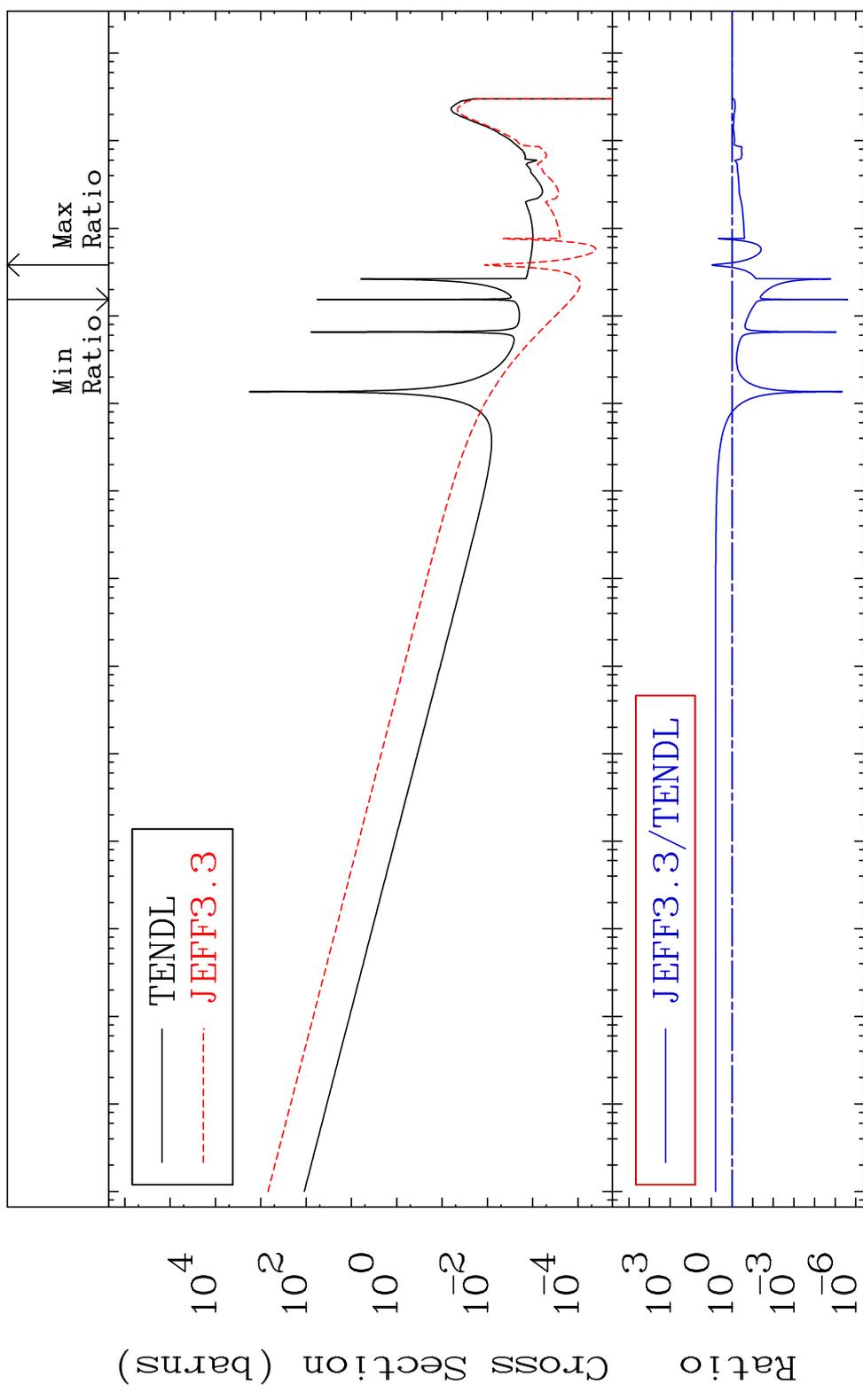


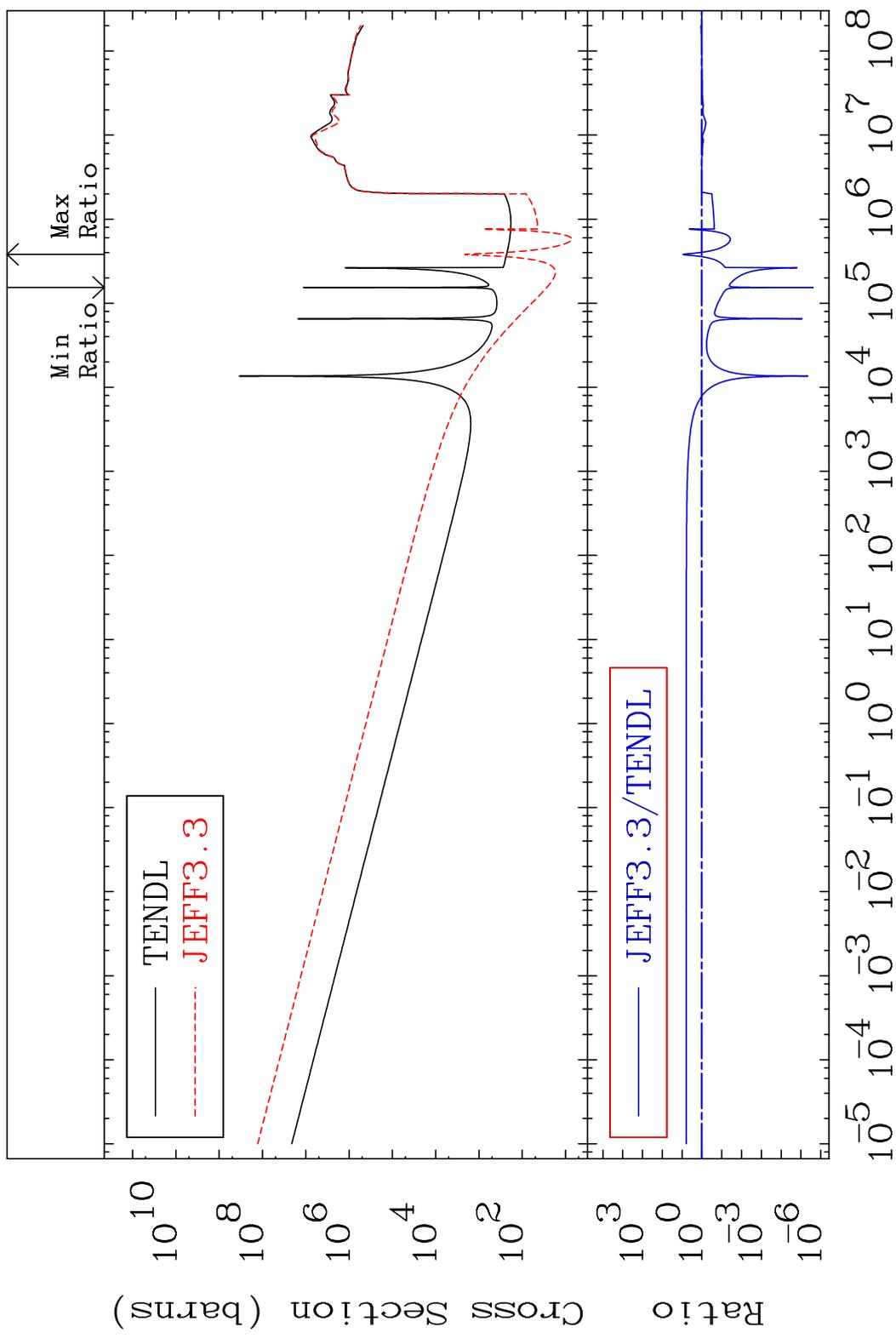
MAT 1437 Kerma fission (mt18 or mt19-20-21-38) 14-Si-32  
 Cross Section -45.60 To 0.002 %



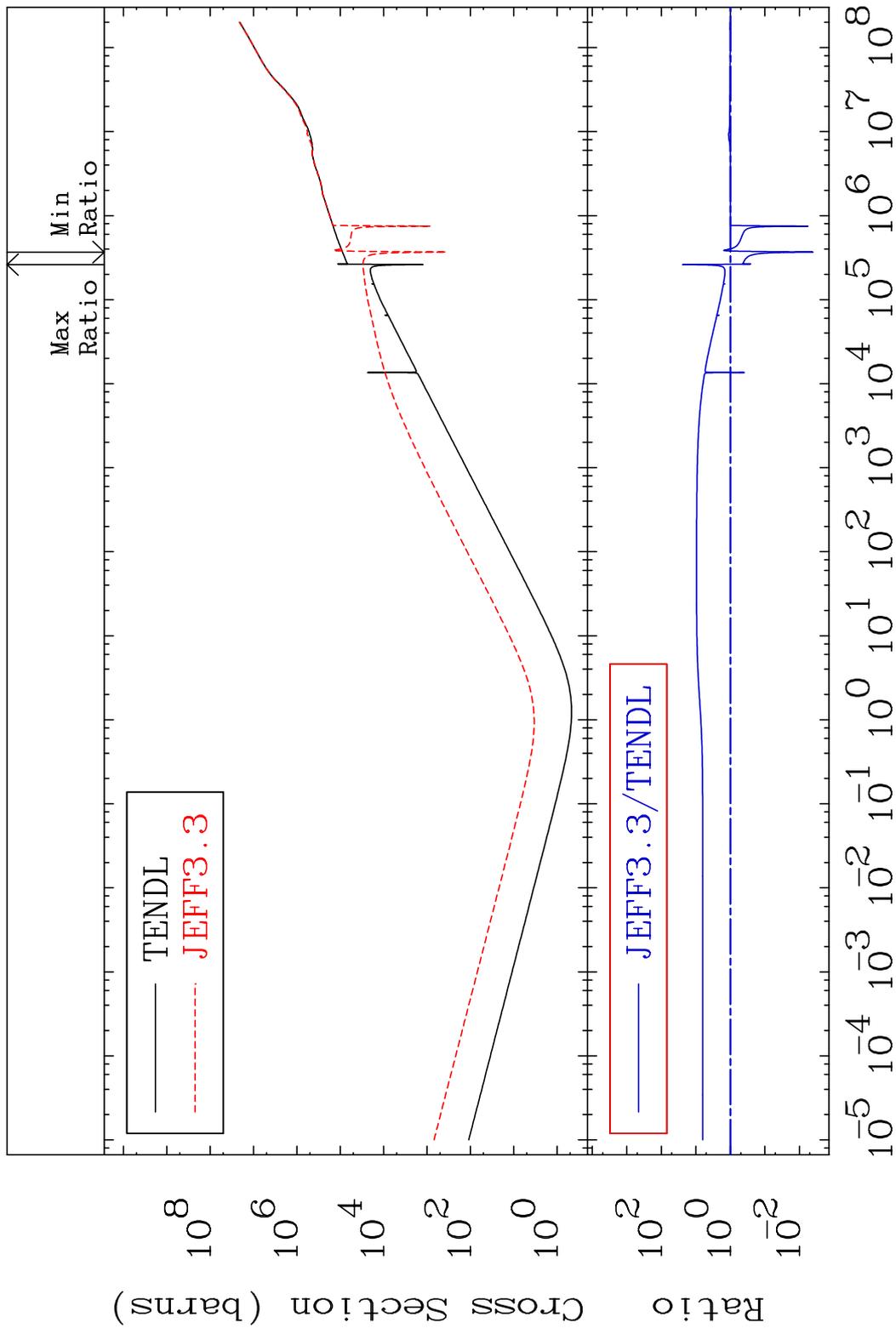
MAT 1437

Kerma capture (mt102) 14-Si-32  
Cross Section -100.0 To 862.0 %





MAT 1437 Total kinematic kerma (high limit) 14-Si-32  
 Cross Section -99.60 To 2282. %

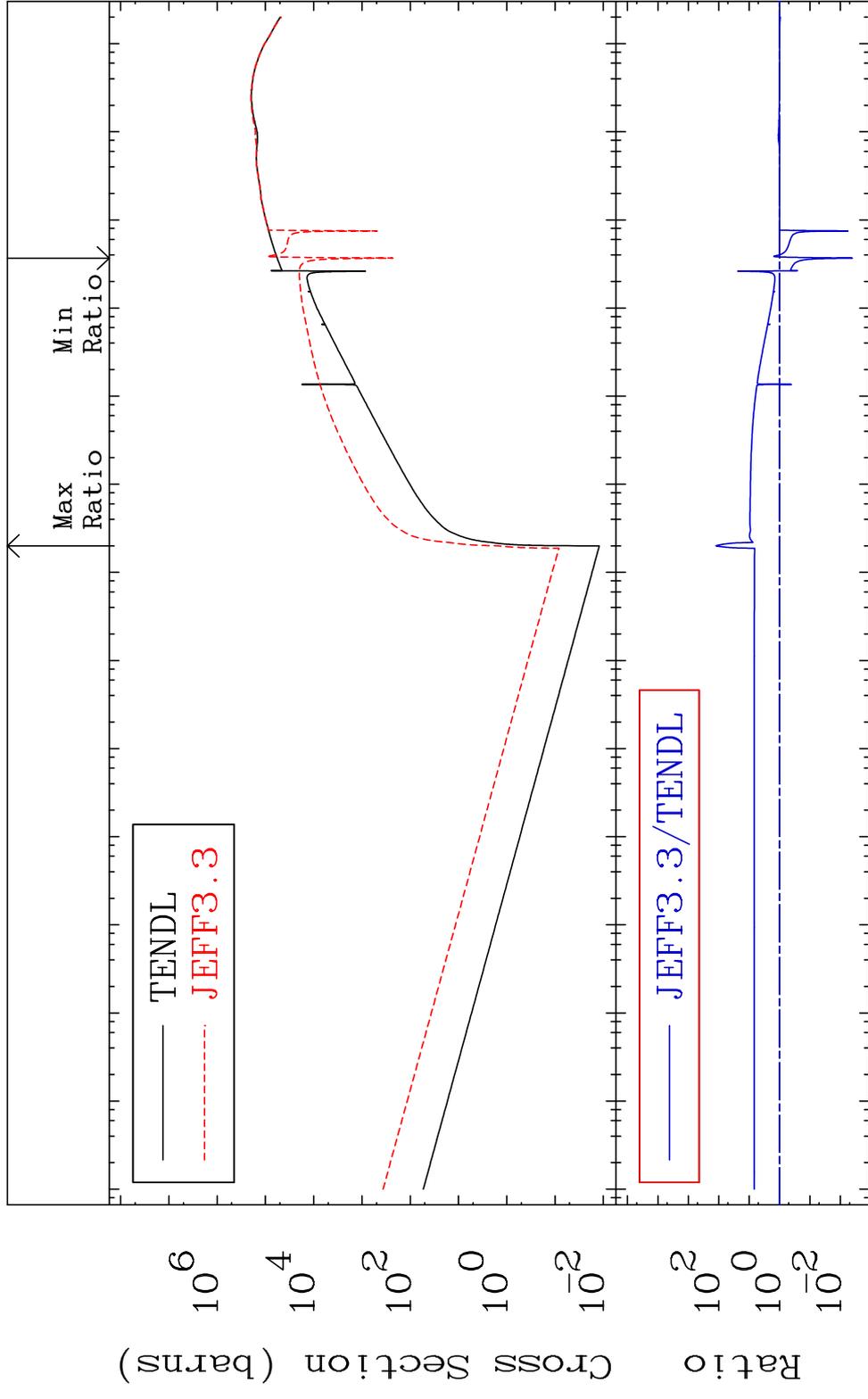


MAT 1437

Dpa total (eV-barns)

14-Si-32

Cross Section -99.60 To 9999. %



53

Incident Energy (eV)

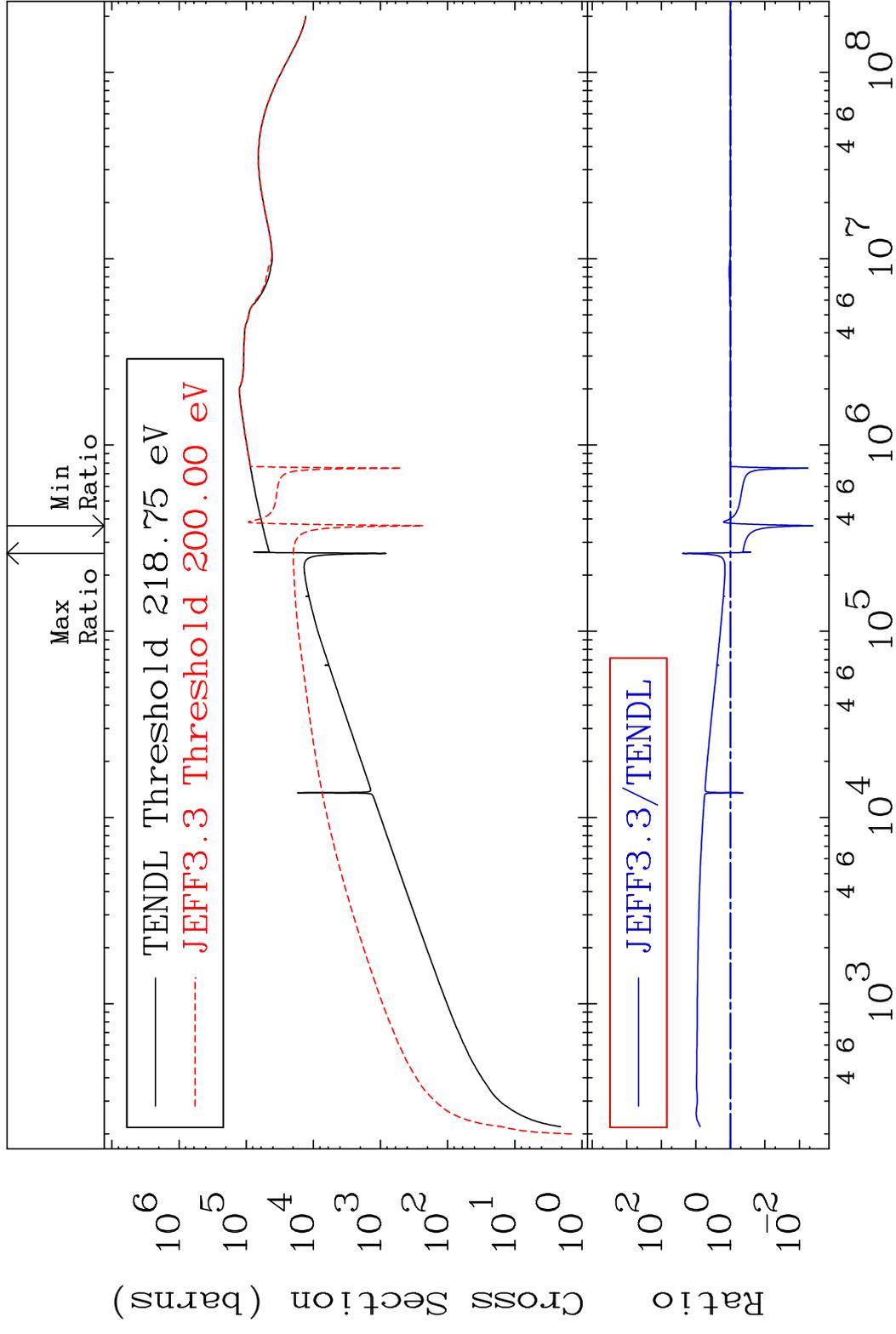
14-Si-32

MAT 1437

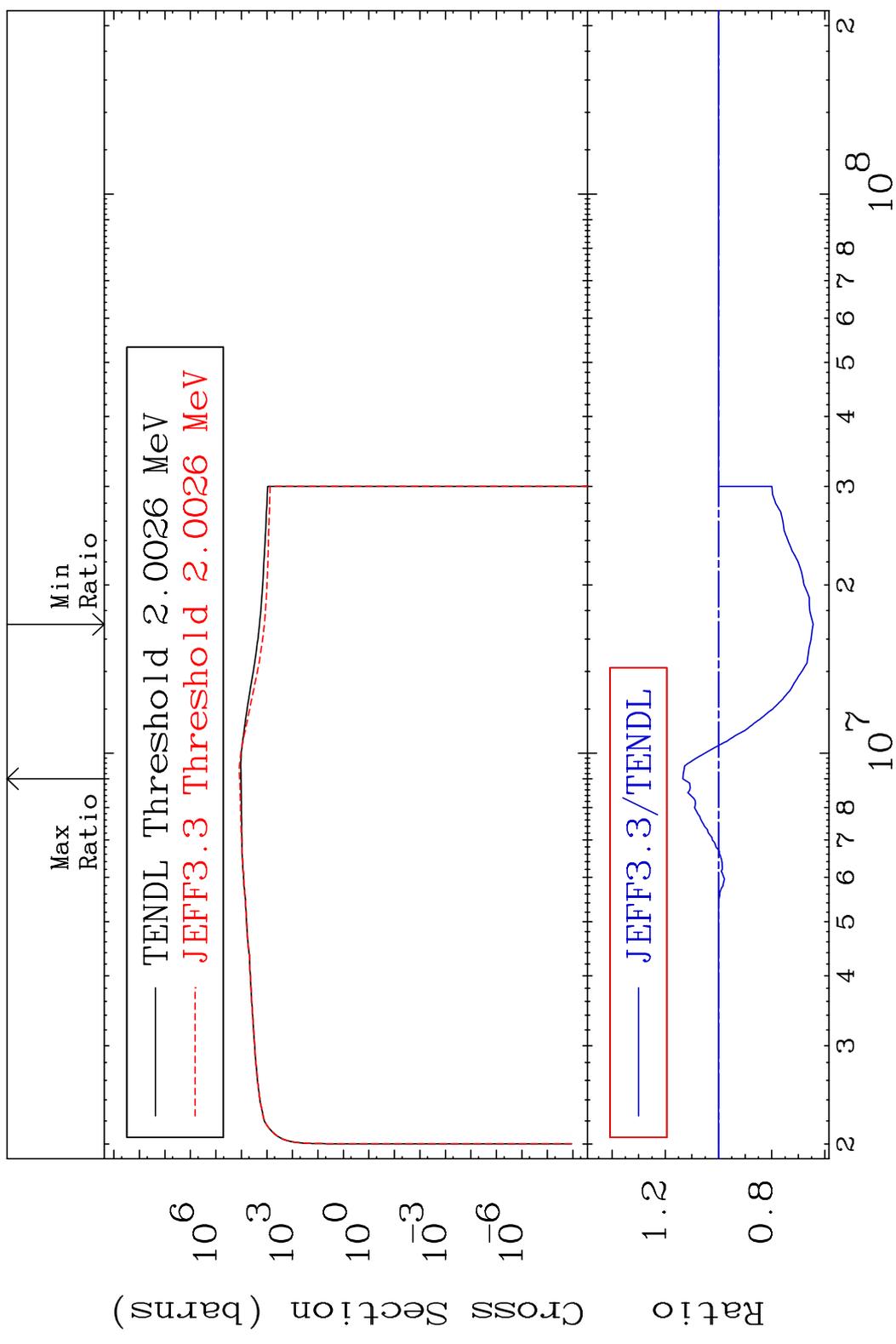
Dpa elastic (mt2)

14-Si-32

Cross Section -99.60 To 2284. %



Cross Section -35.57 To 13.40 %



MAT 1437 Dpa disappearance (mt102 -120) 14-Si-32  
 Cross Section -100.0 To 934.3 %

