

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

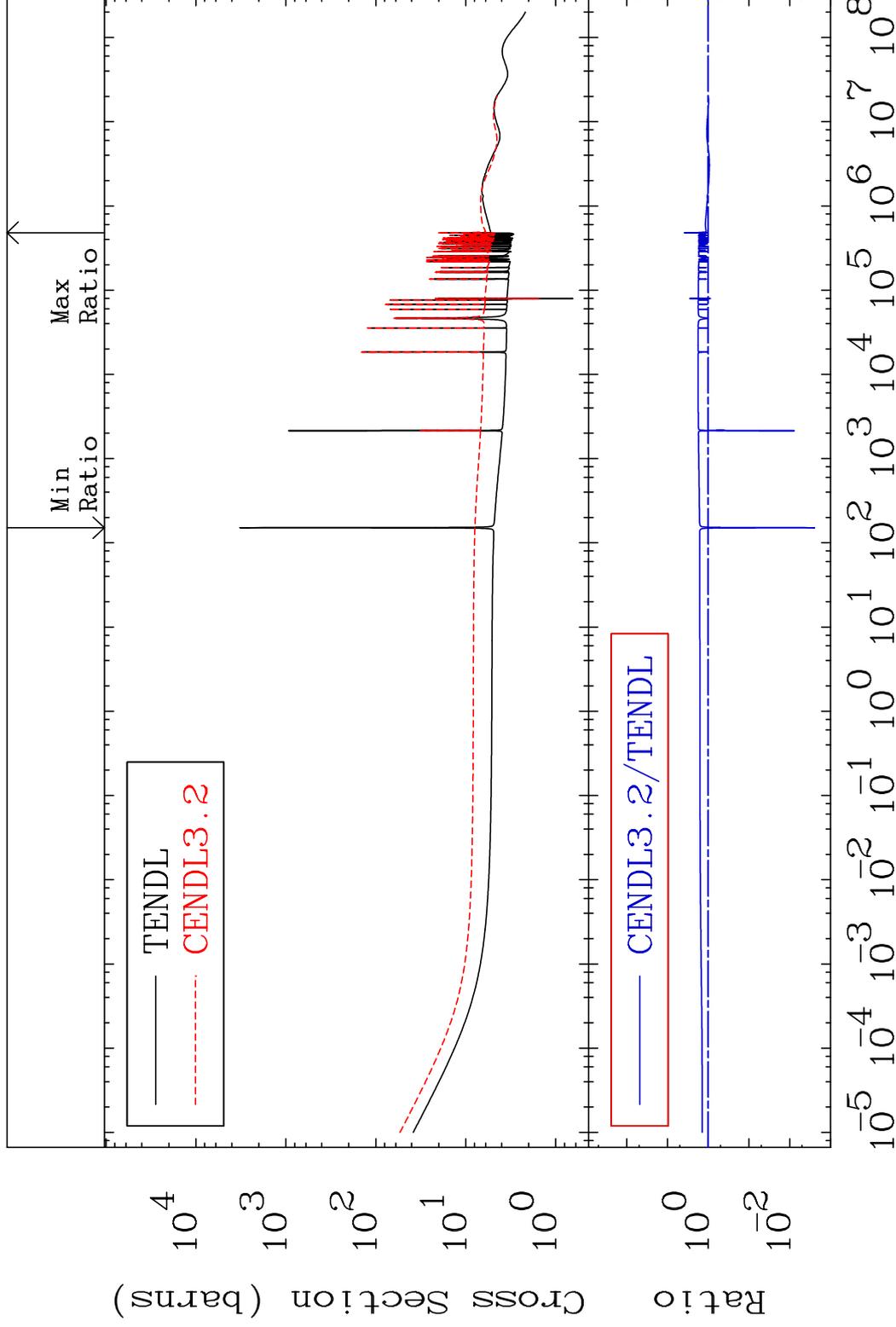
MAT 5461

Total

54-Xe-136

Cross Section

-99.76 To 291.2 %



1

Incident Energy (eV)

54-Xe-136

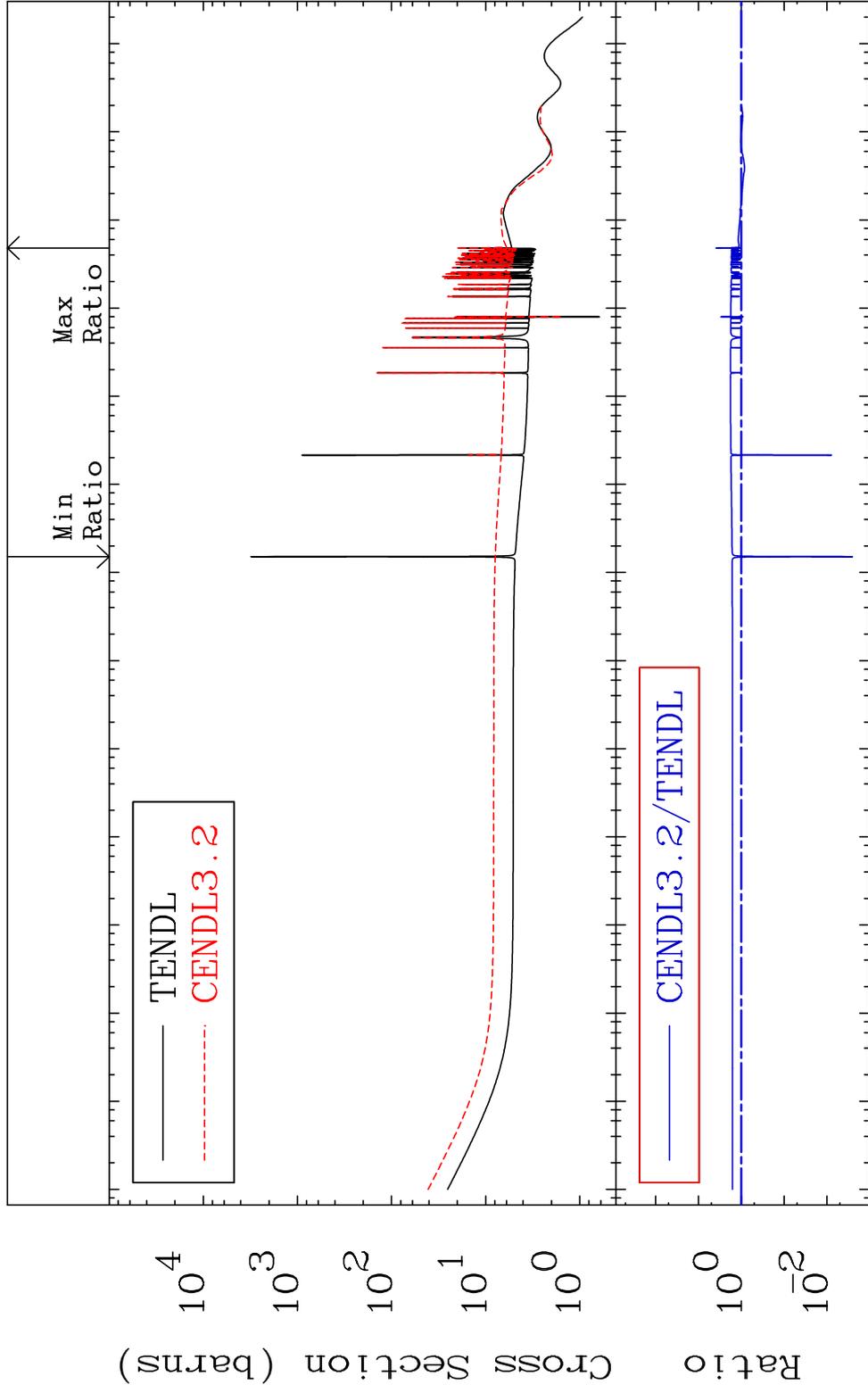
MAT 5461

Elastic

54-Xe-136

Cross Section

-99.75 To 291.2 %



2

Incident Energy (eV)

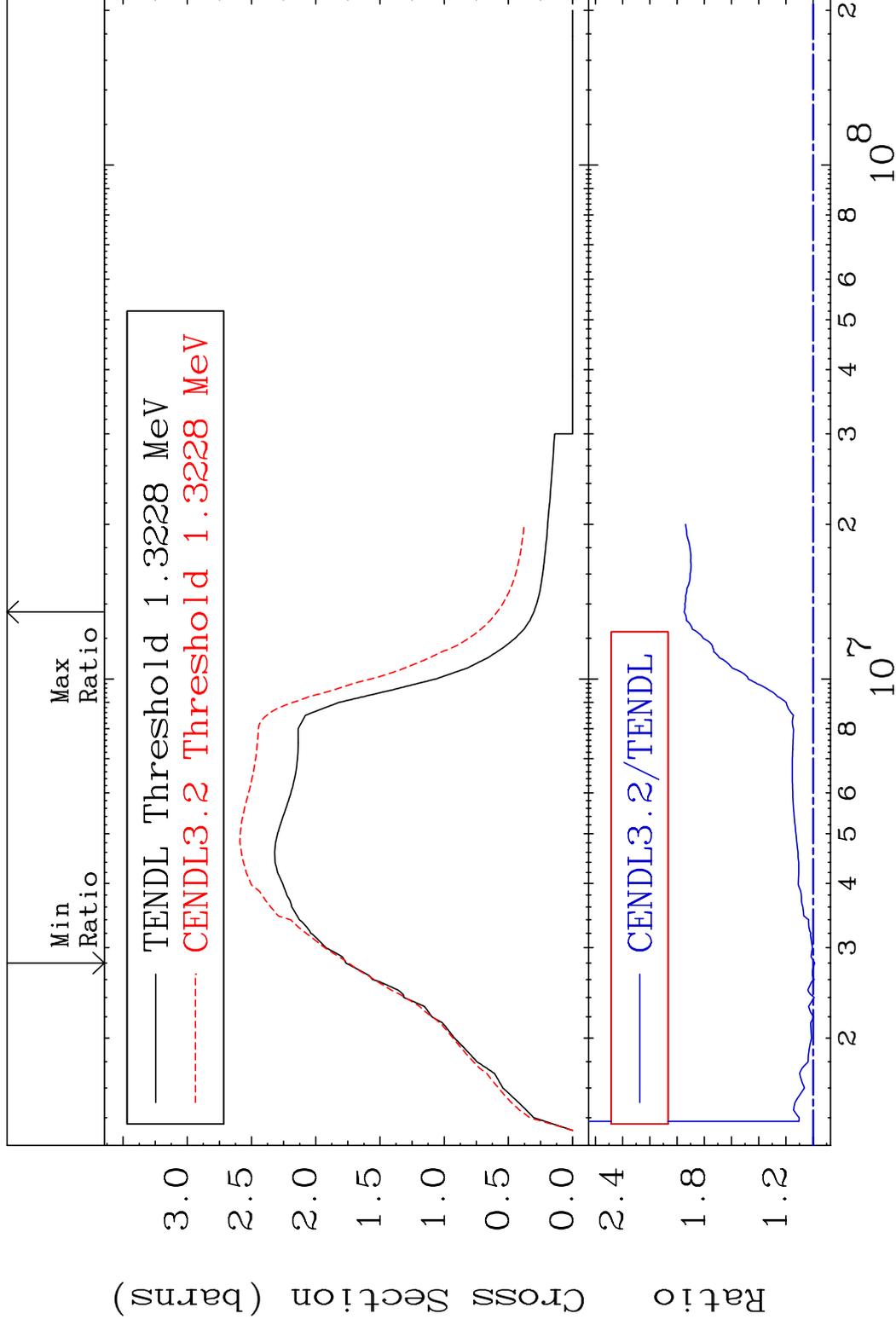
54-Xe-136

MAT 5461

Inelastic

54-Xe-136

Cross Section -1.150 To 94.80 %



3

Incident Energy (eV)

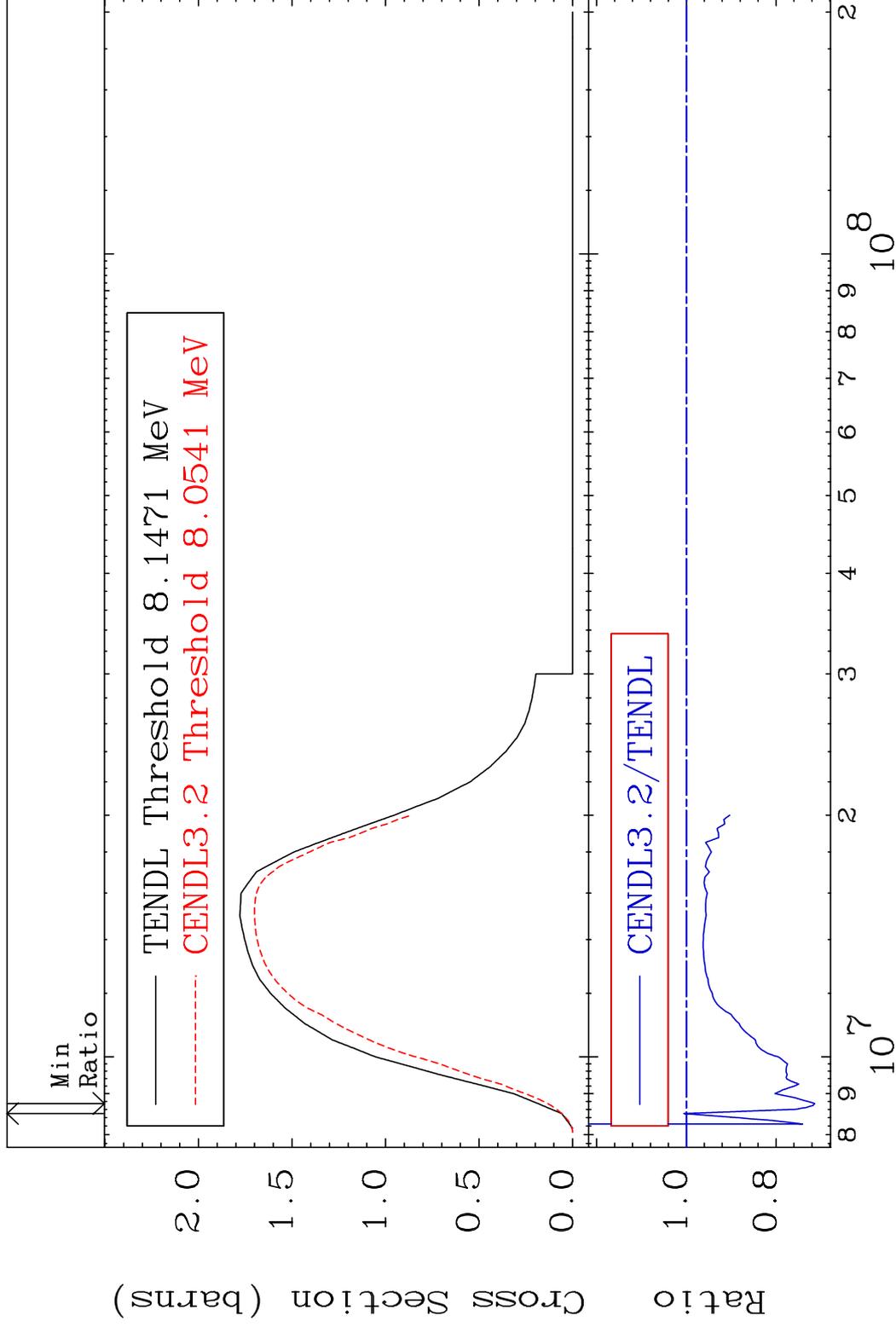
54-Xe-136

MAT 5461

(n,2n)

54-Xe-136

Cross Section -28.62 To 0.495 %



4

Incident Energy (eV)

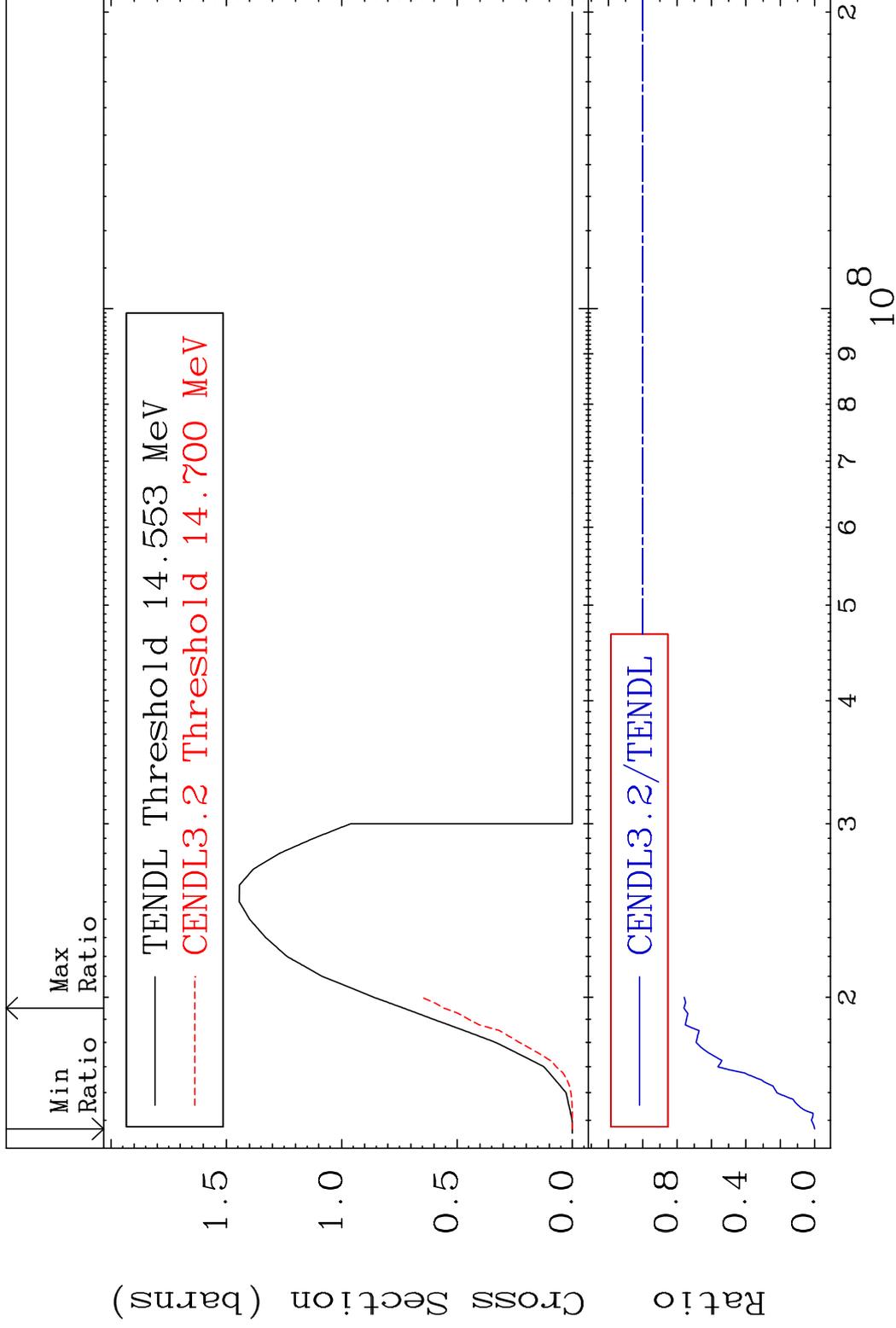
54-Xe-136

MAT 5461

(n,3n)

54-Xe-136

Cross Section -100.0 To -23.95%



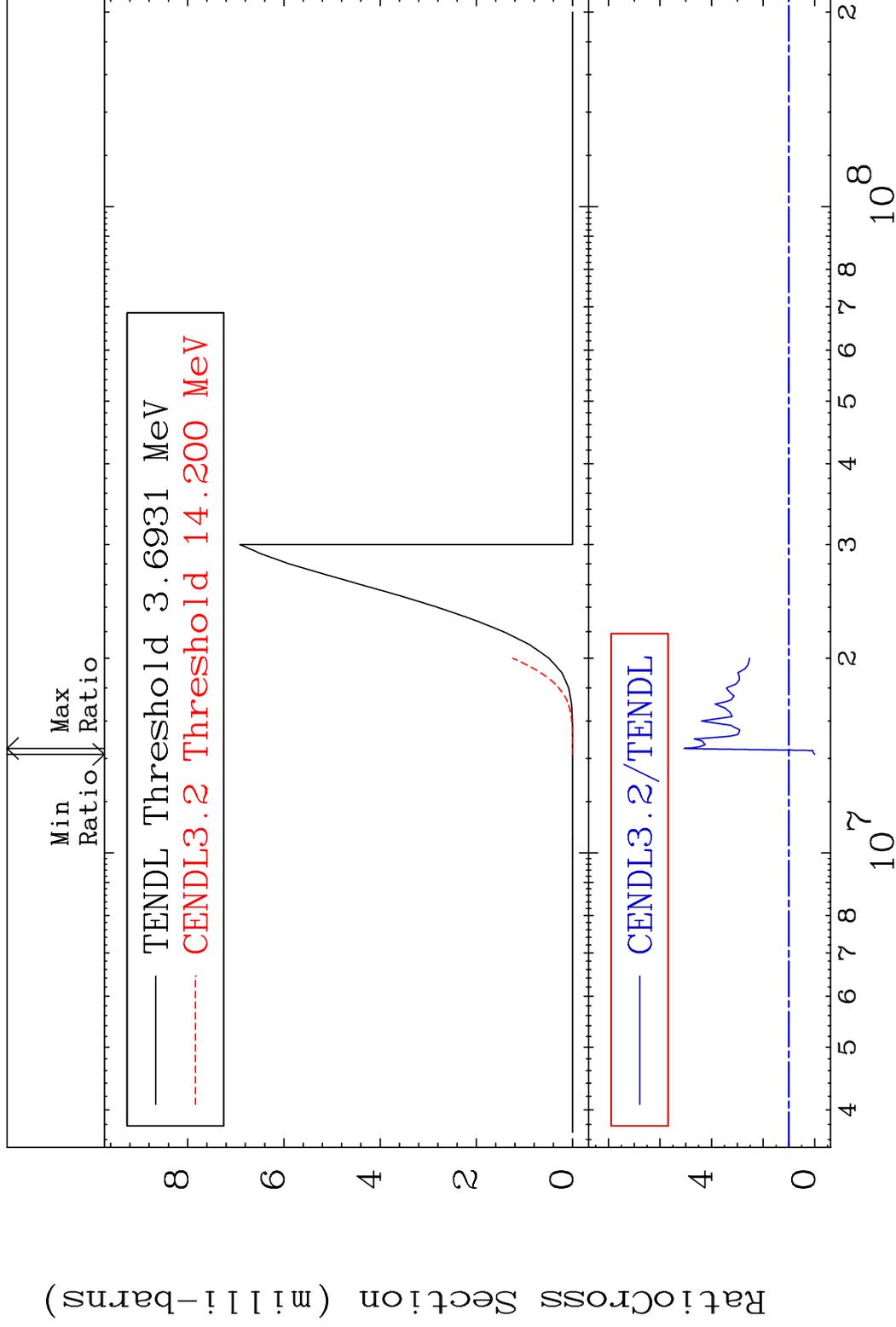
5

Incident Energy (eV)

54-Xe-136

MAT 5461

(n, n') α 54-Xe-136
Cross Section -100.0 To 406.4 %



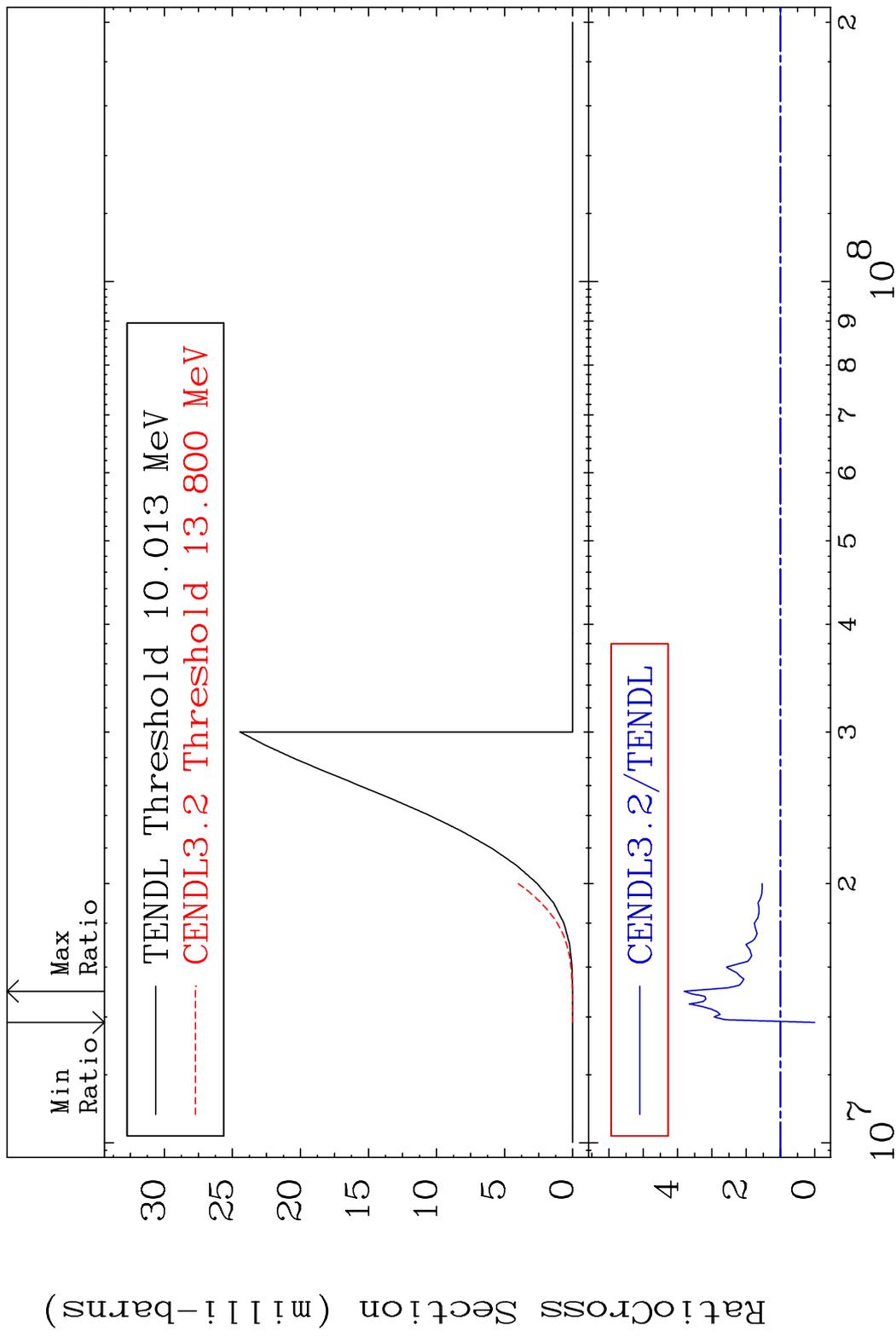
6

Incident Energy (eV)

54-Xe-136

MAT 5461

(n, n') p 54-Xe-136
Cross Section -100.0 To 280.7 %



7

Incident Energy (eV)

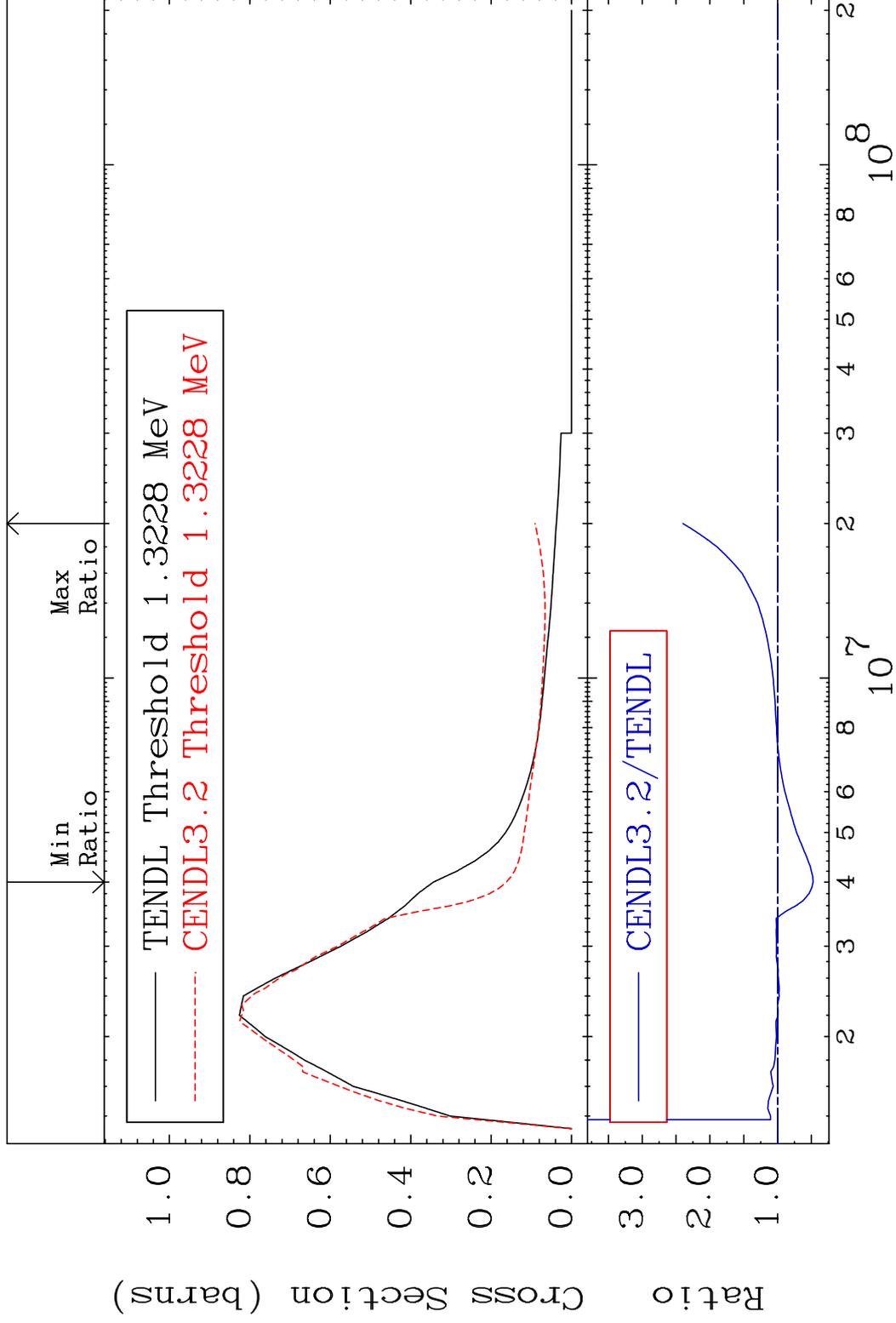
54-Xe-136

MAT 5461

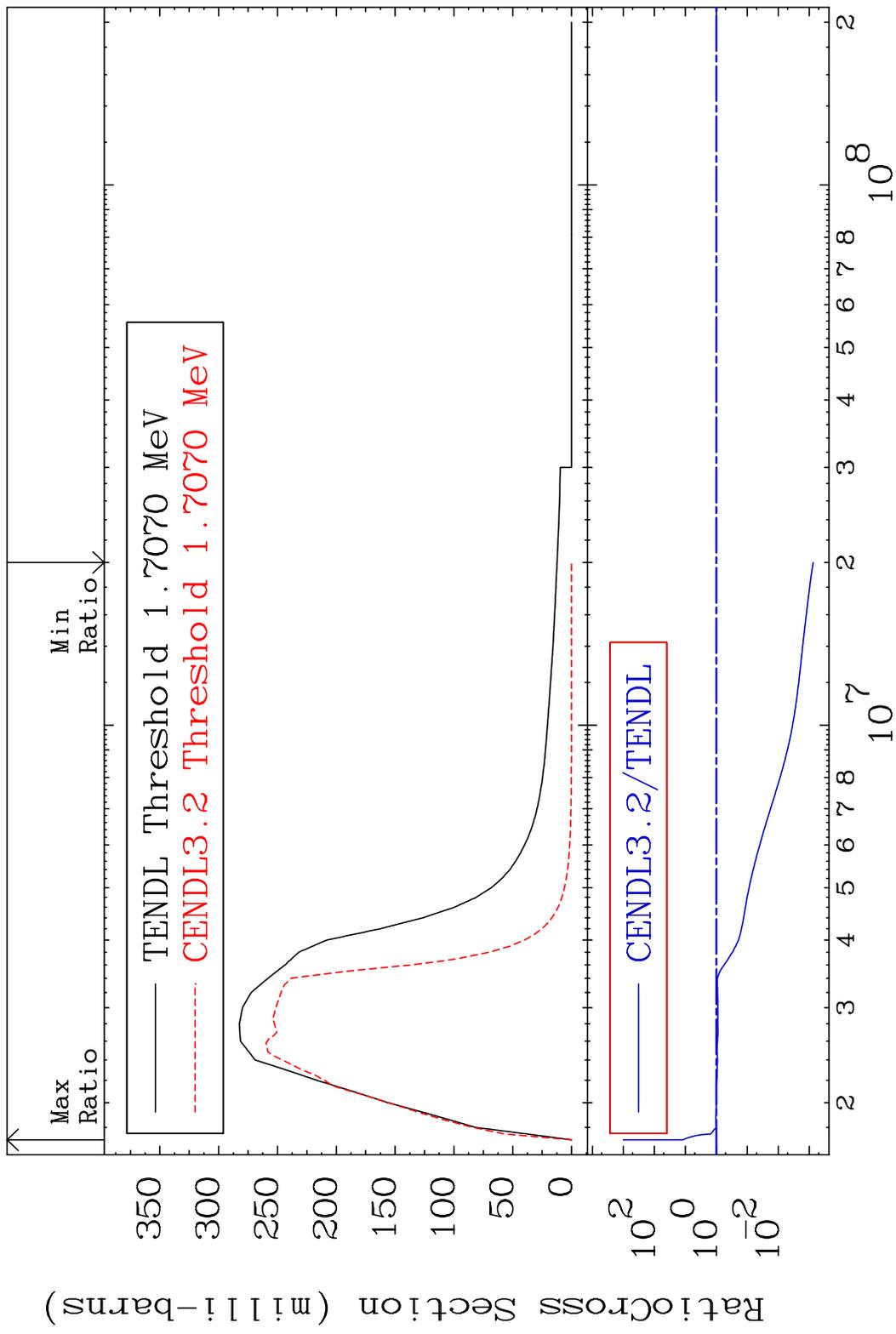
MT= 51 (n, n') Level

54-Xe-136

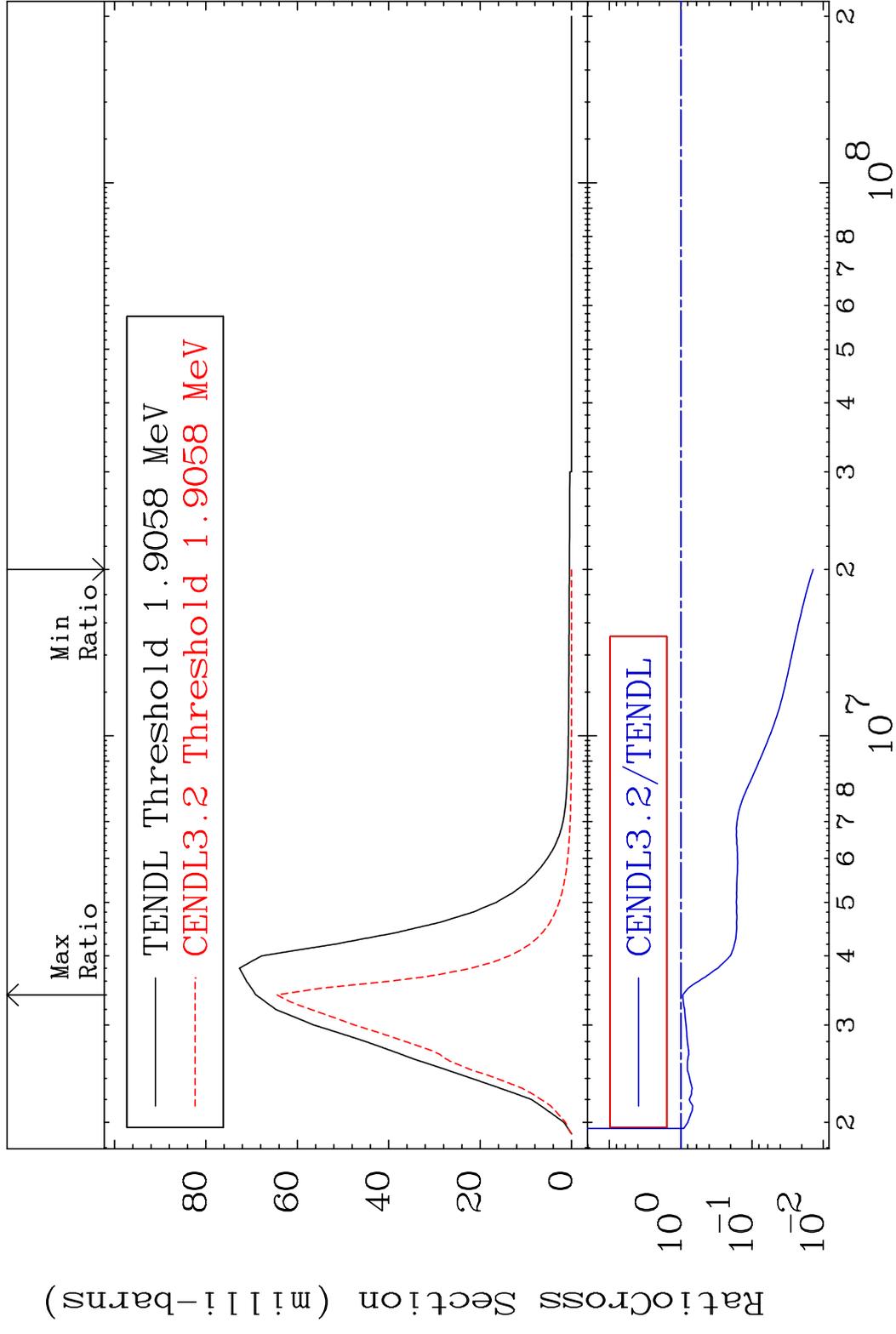
Cross Section -52.76 To 140.1 %



MAT 5461 MT= 52 (n, n') Level 54-Xe-136
 Cross Section -99.92 To 1105. %

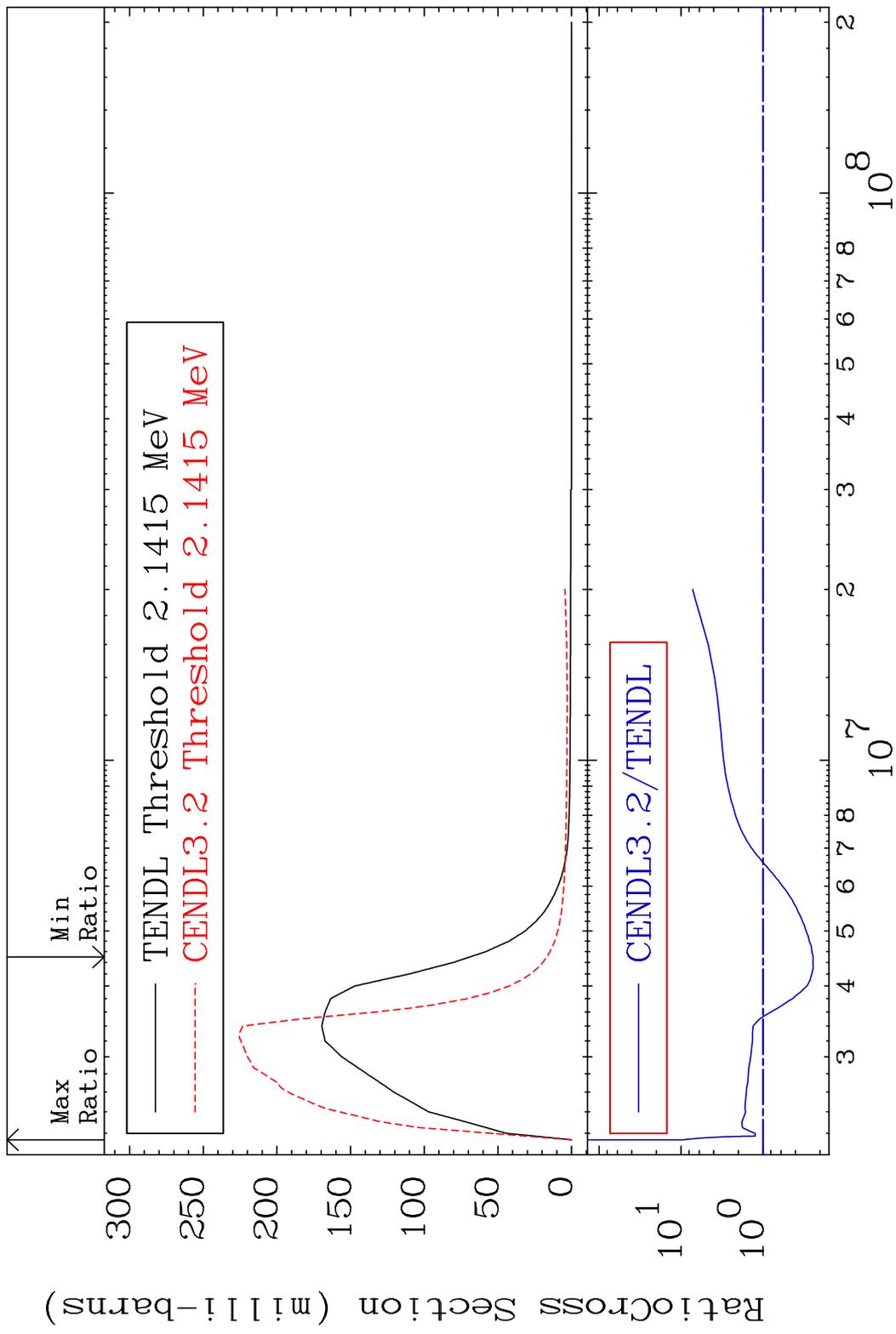


MAT 5461 MT= 53 (n, n') Level 54-Xe-136
 Cross Section -98.62 To -6.642%

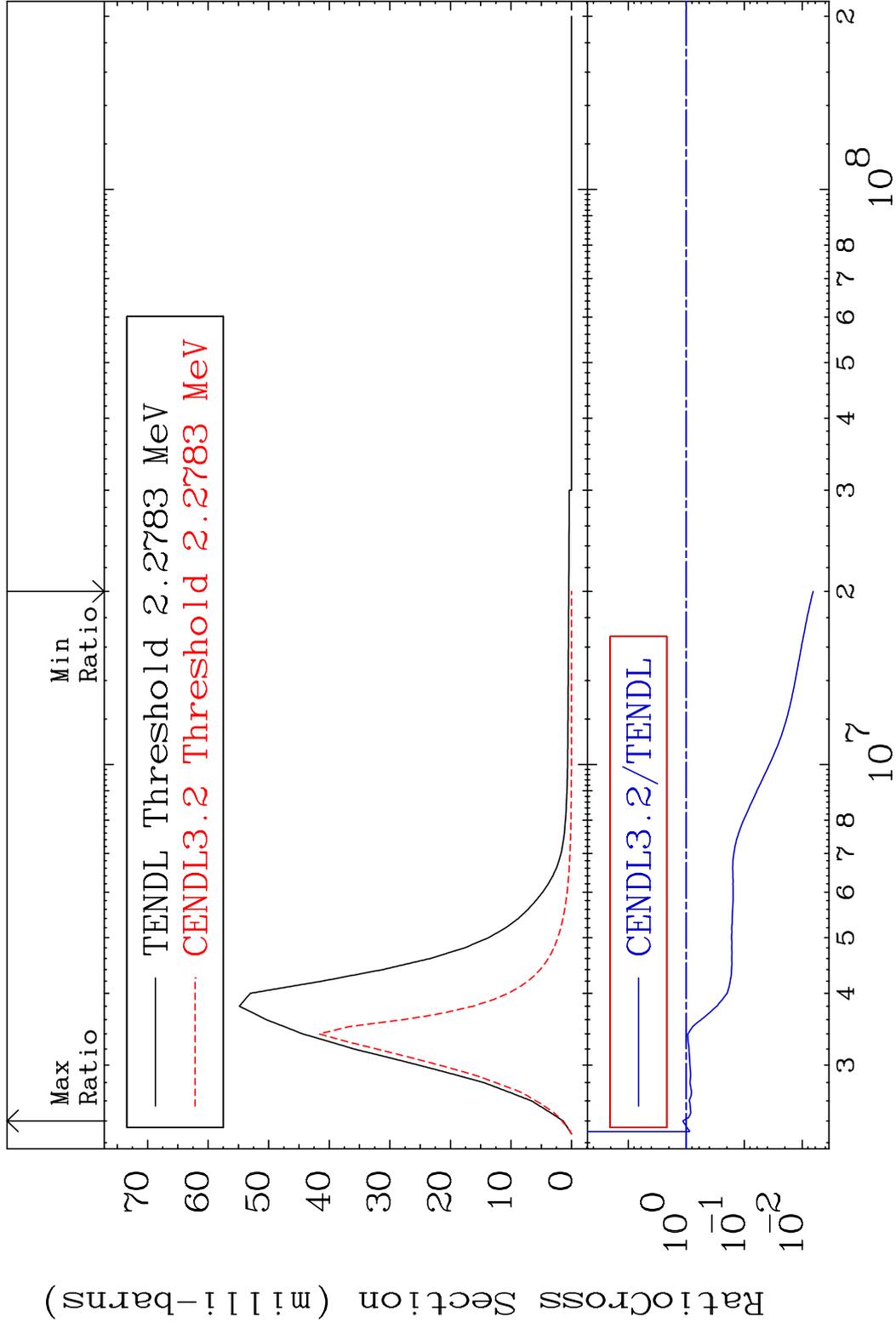


10 Incident Energy (eV) 54-Xe-136

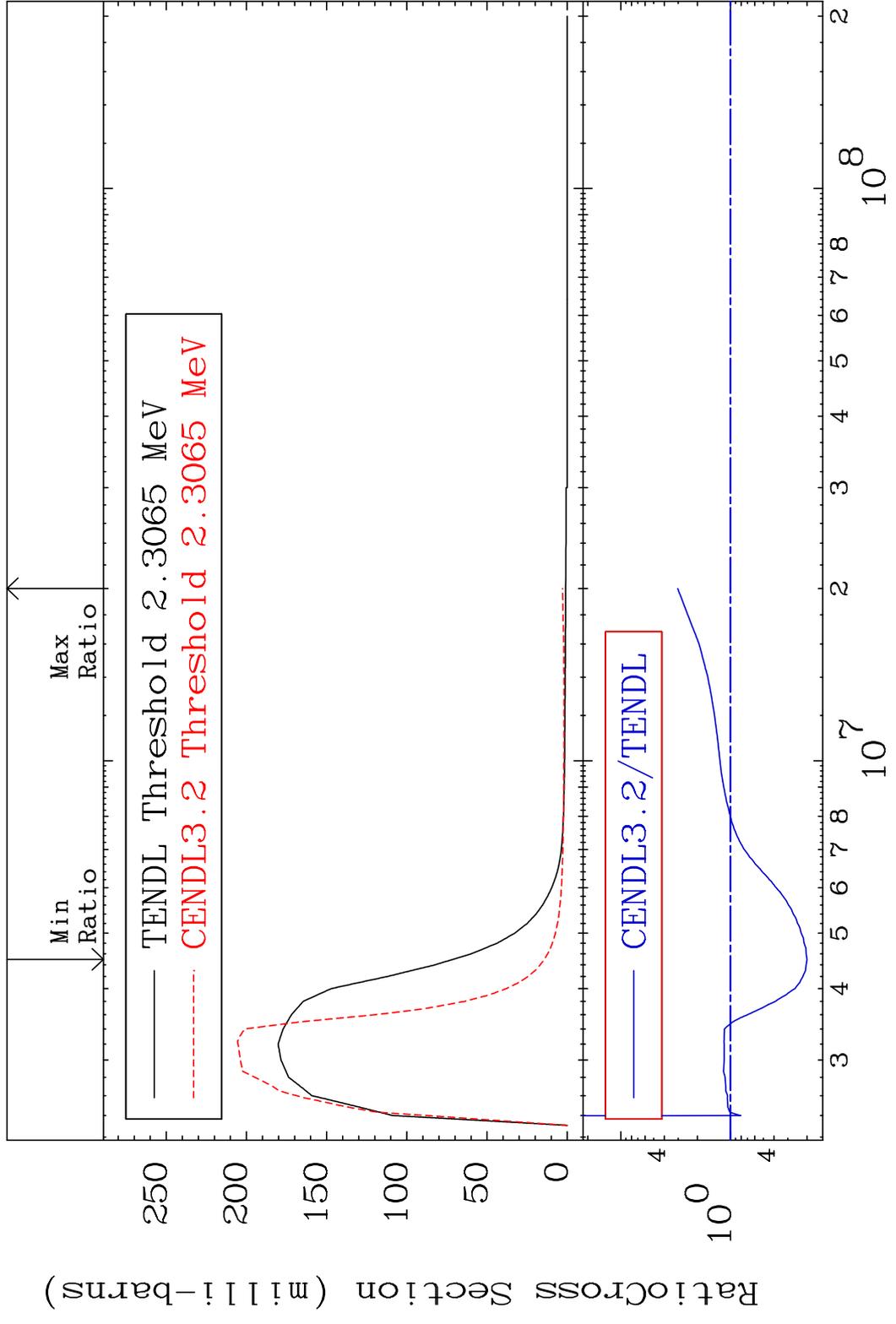
MAT 5461 MT= 54 (n,n') Level 54-Xe-136
 Cross Section -75.70 To 850.7 %



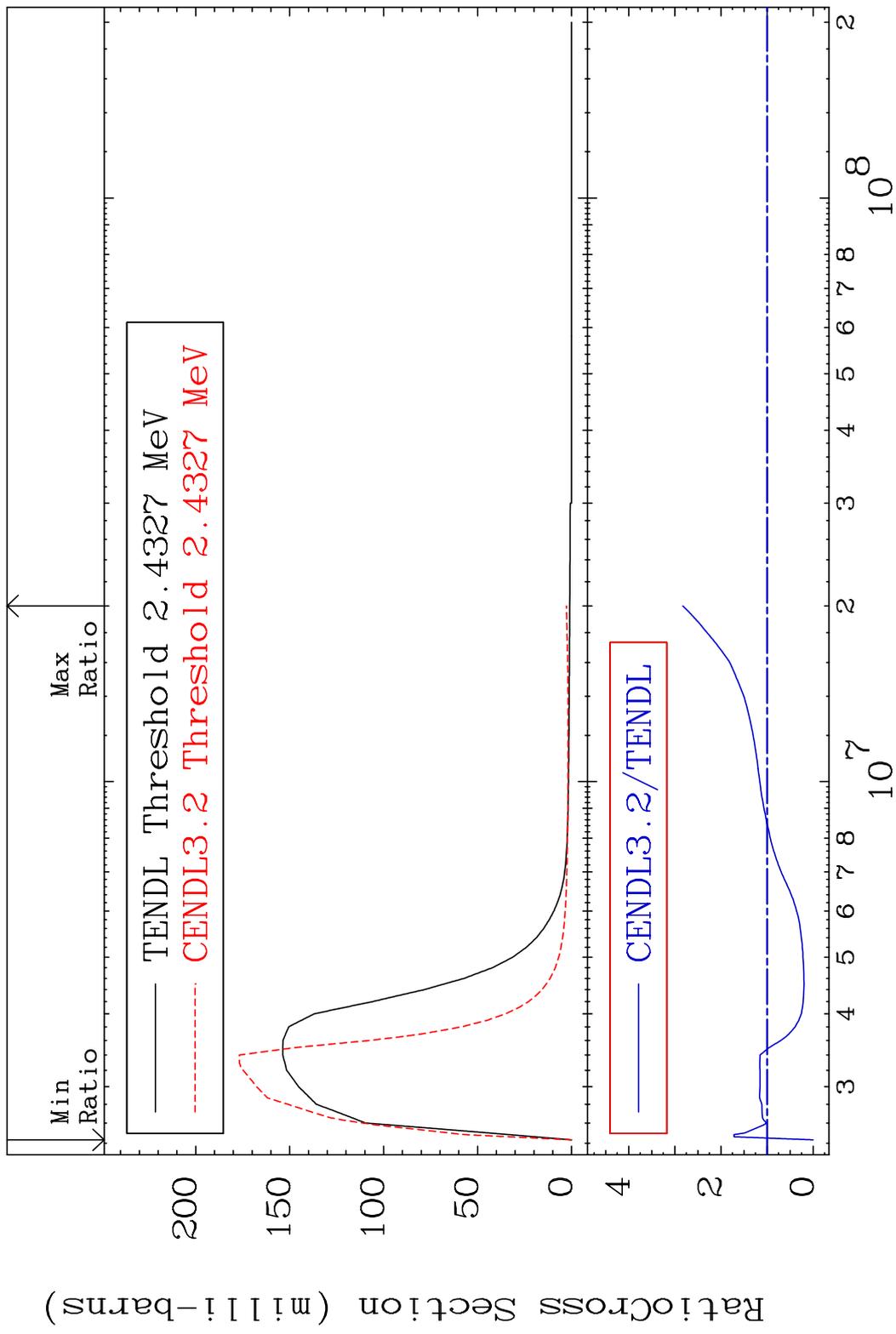
MAT 5461 MT= 55 (n, n') Level 54-Xe-136
 Cross Section -99.35 To 14.75 %



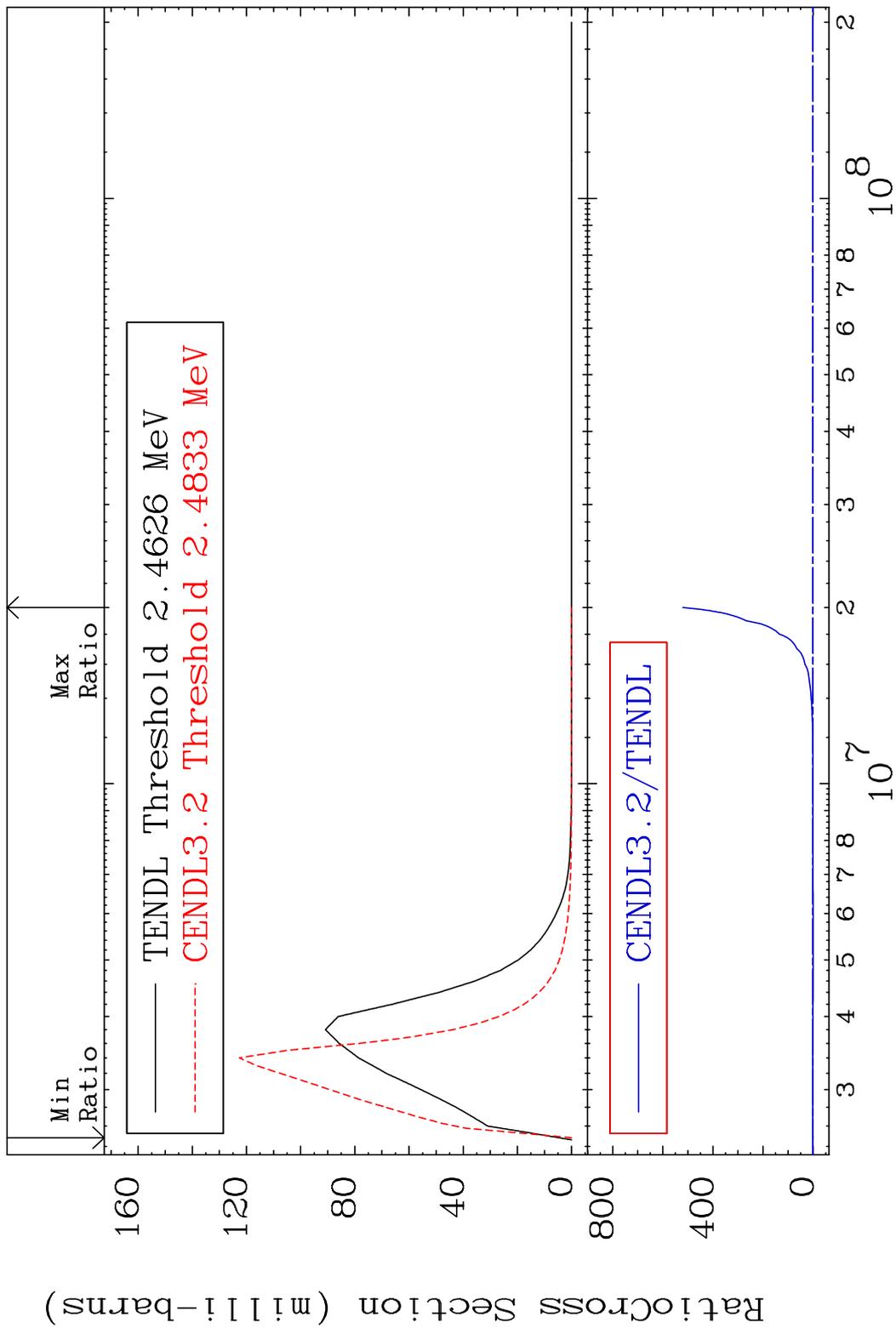
MAT 5461 MT= 56 (n, n') Level 54-Xe-136
 Cross Section -79.99 To 202.7 %



MAT 5461 MT= 57 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 182.7 %

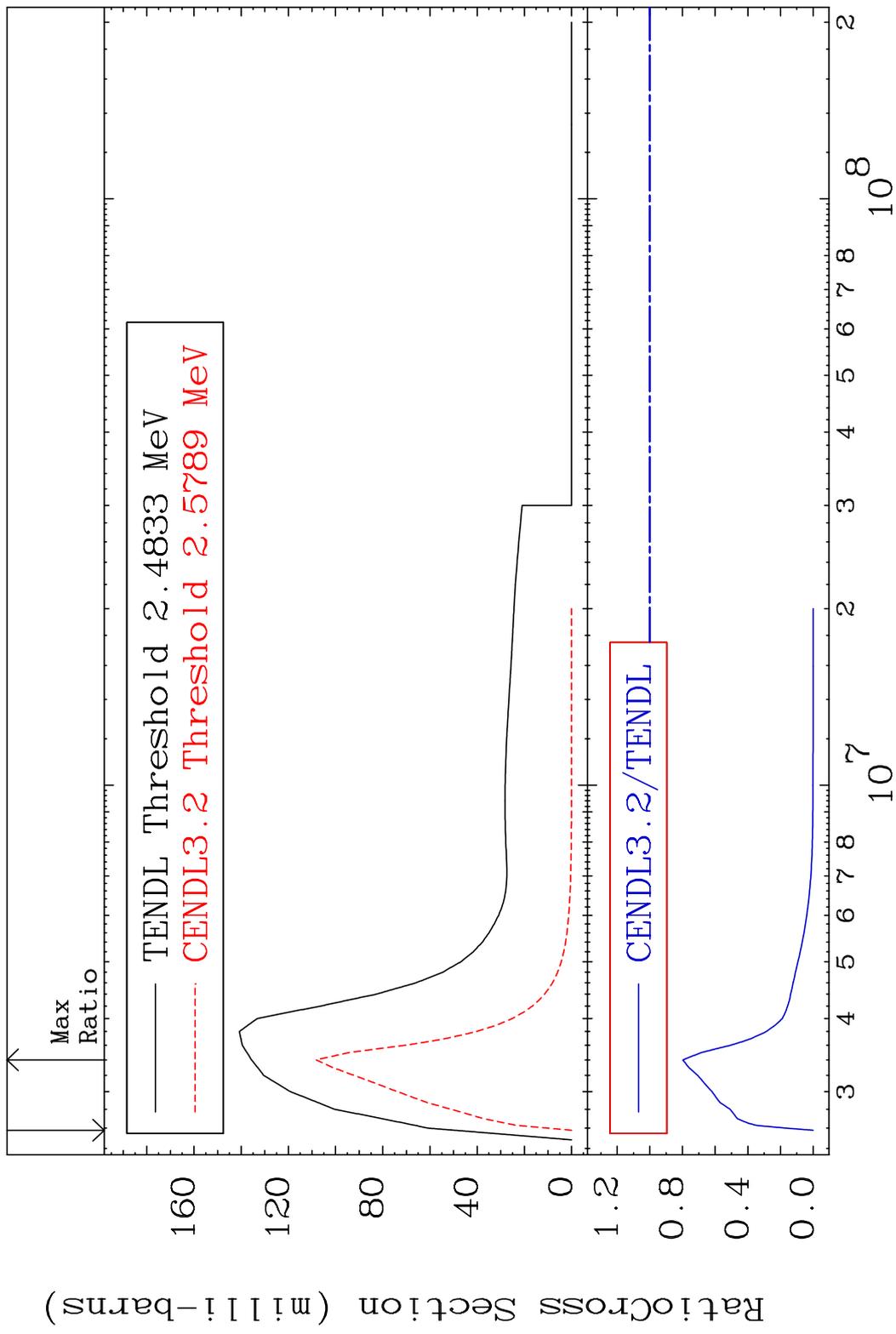


MAT 5461 MT= 58 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %



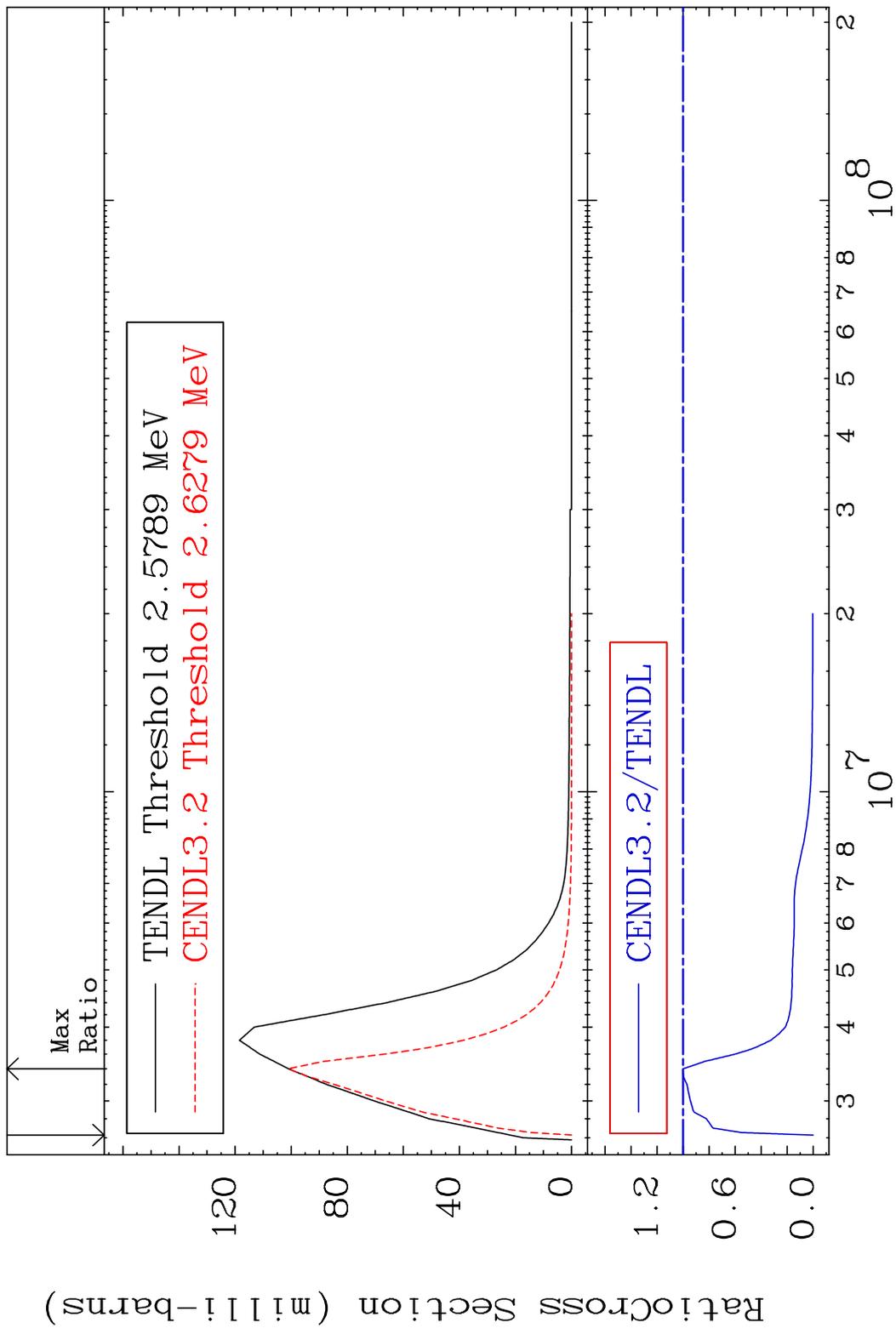
15 54-Xe-136

MAT 5461 MT= 59 (n, n') Level 54-Xe-136
 Cross Section -100.0 To -20.21%

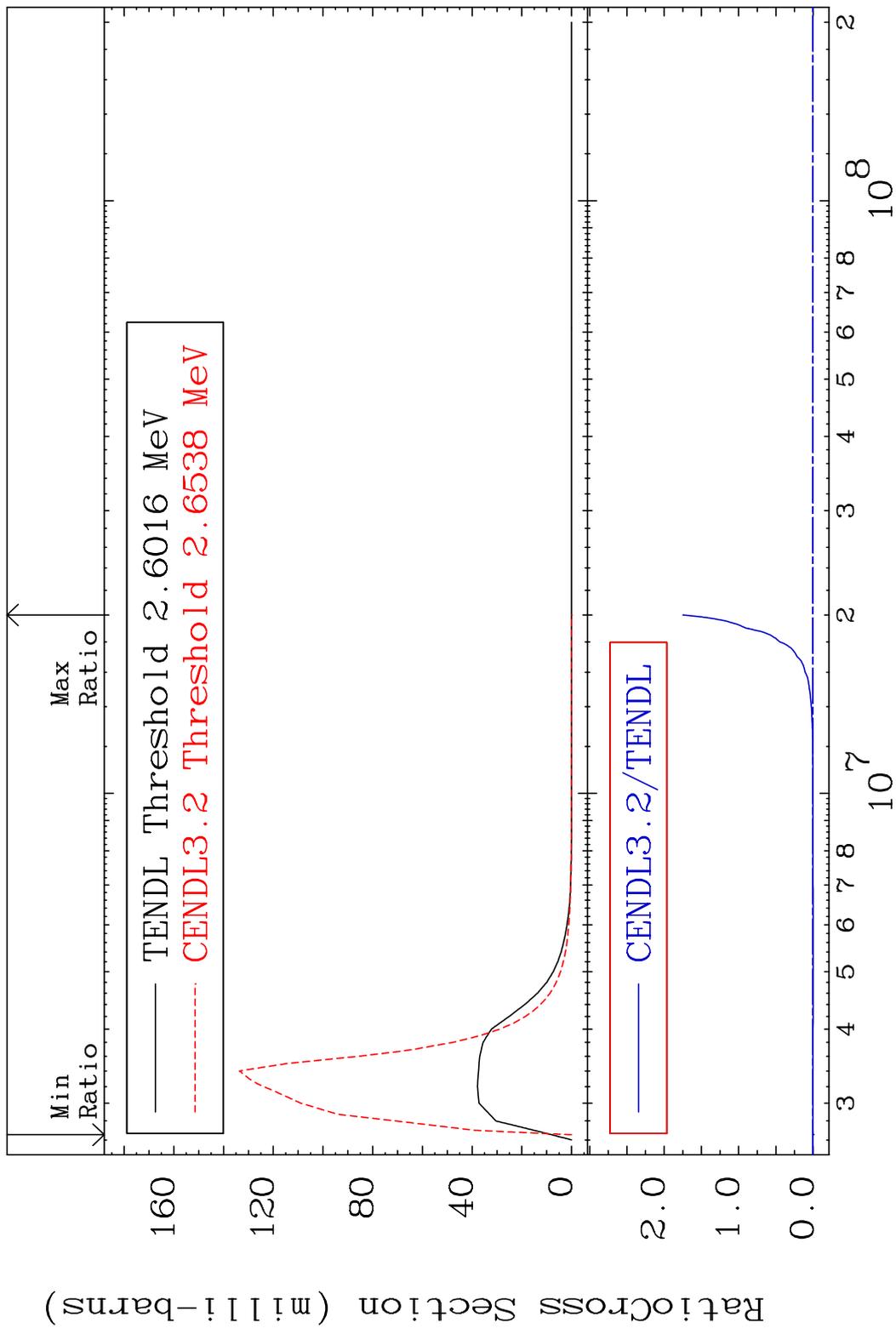


16 Incident Energy (eV) 54-Xe-136

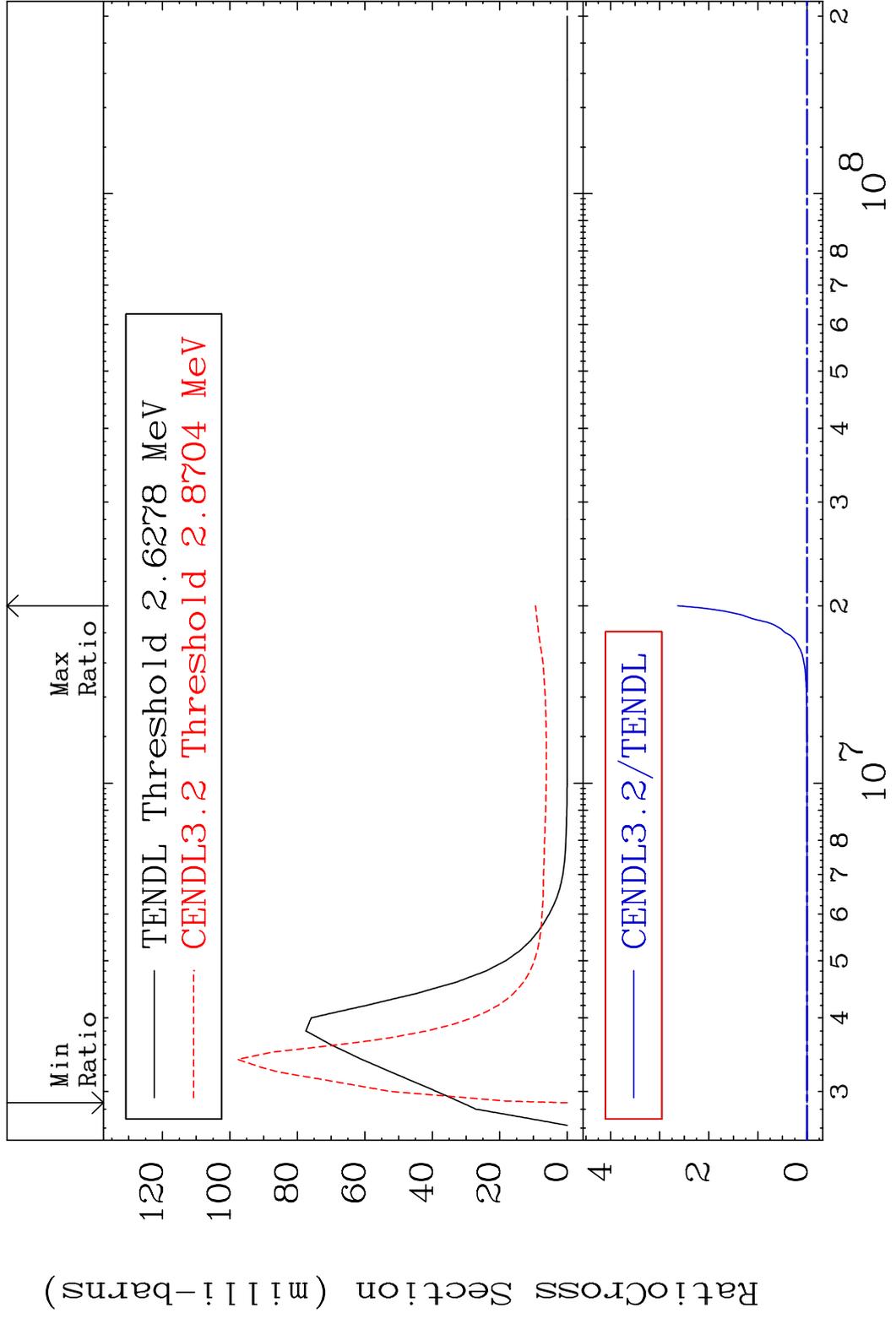
MAT 5461 MT= 60 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 0.144 %



MAT 5461 MT= 61 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %

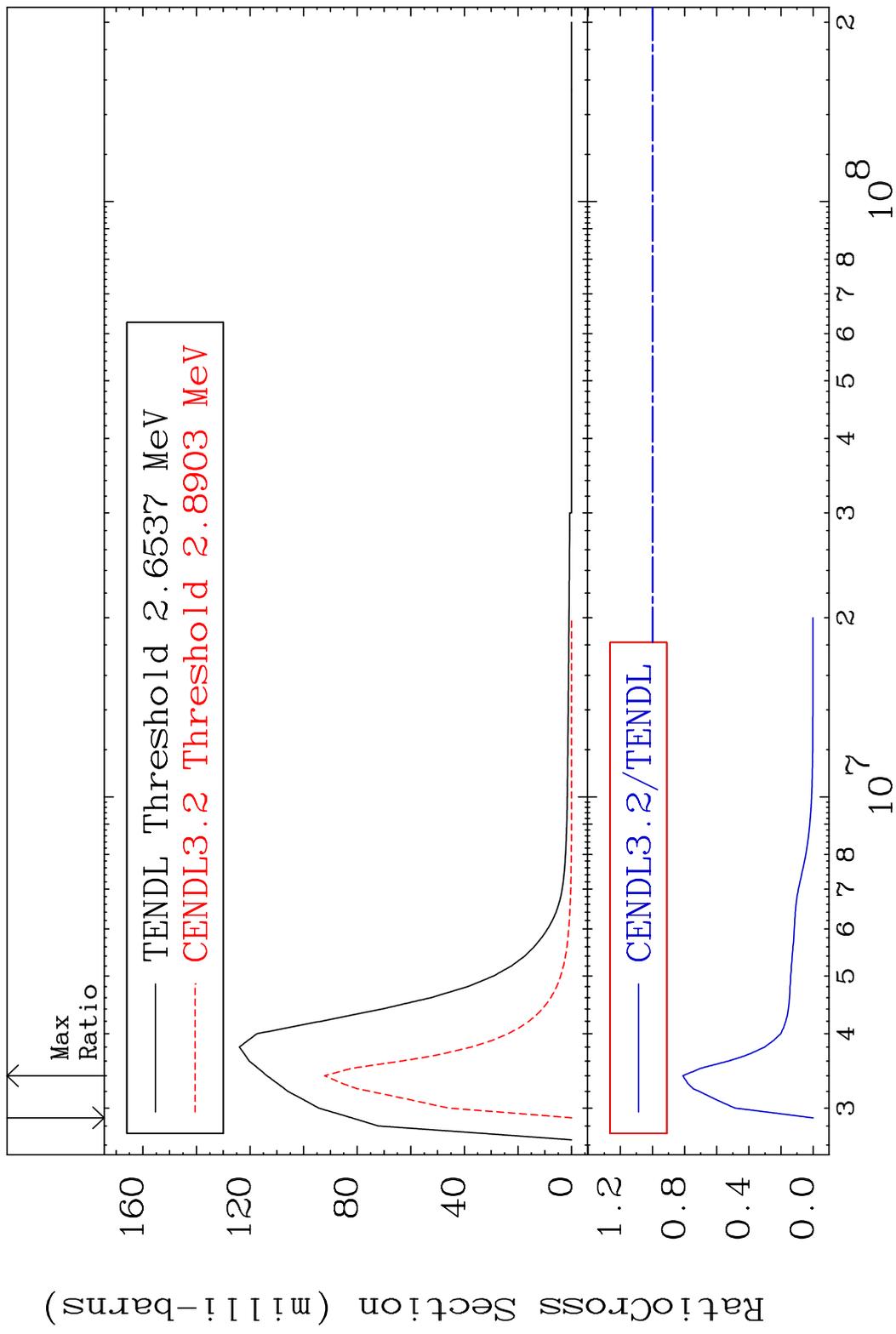


MAT 5461 MT= 62 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %



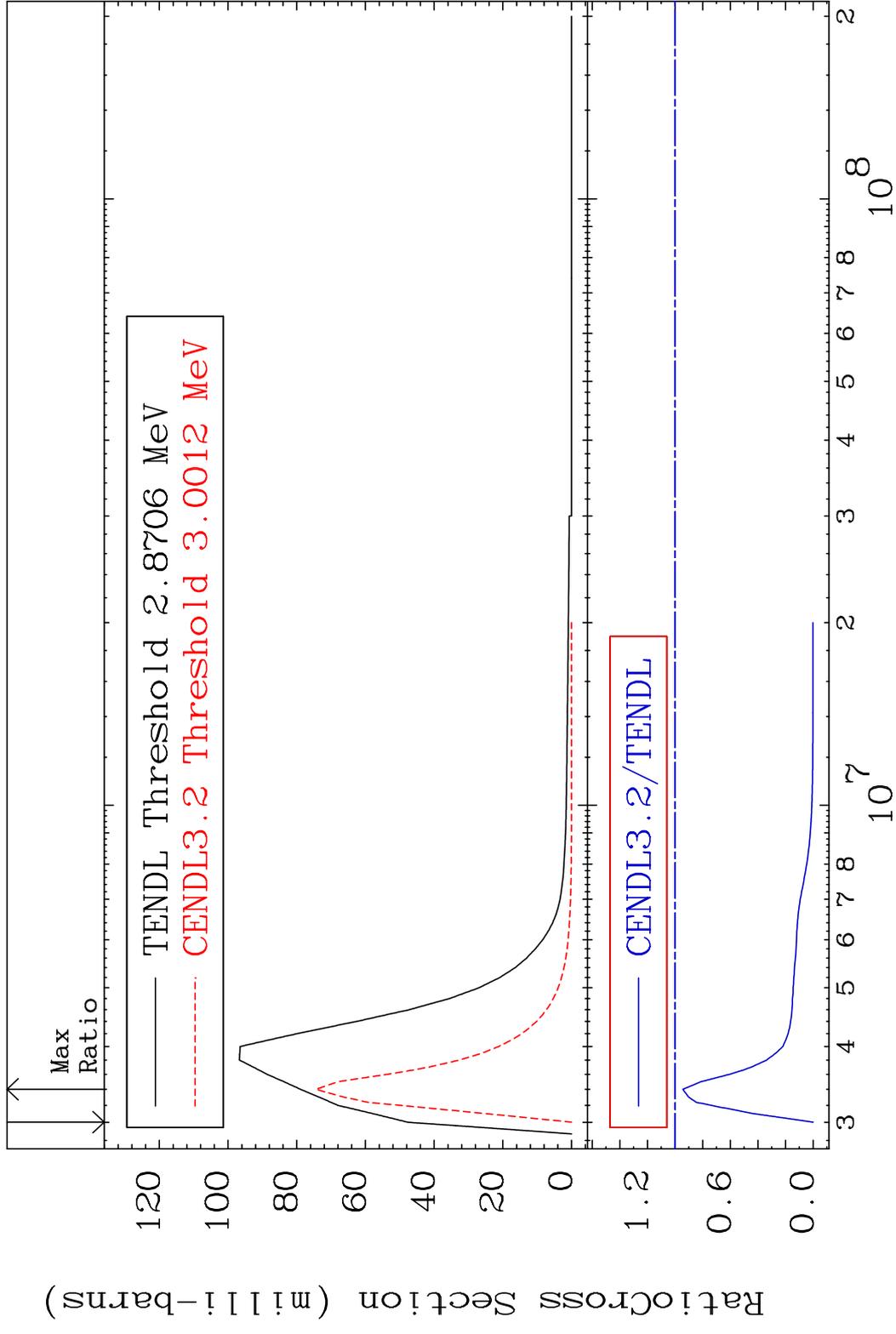
19 Incident Energy (eV) 54-Xe-136

MAT 5461 MT= 63 (n, n') Level 54-Xe-136
 Cross Section -100.0 To -18.89%

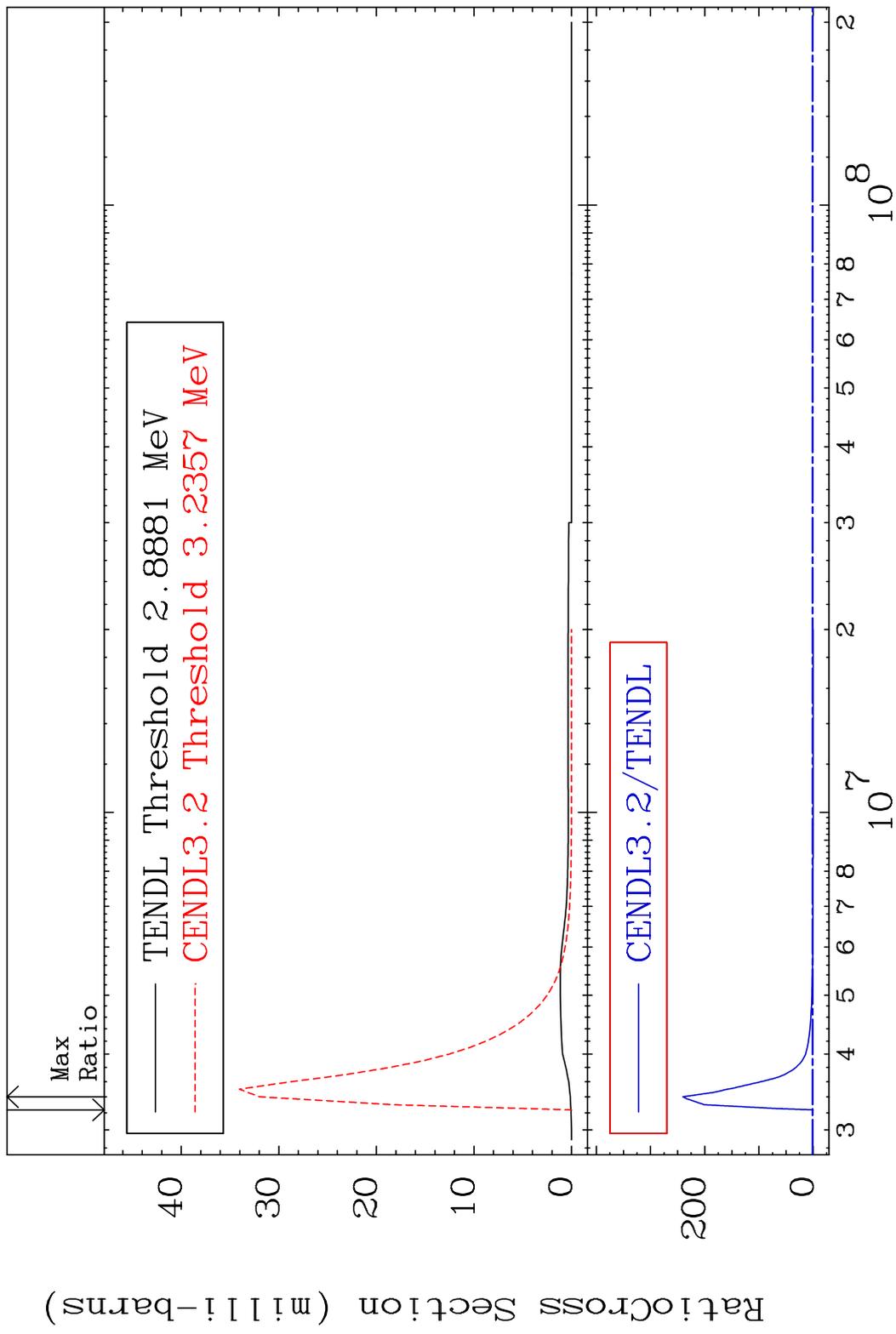


20 Incident Energy (eV) 54-Xe-136

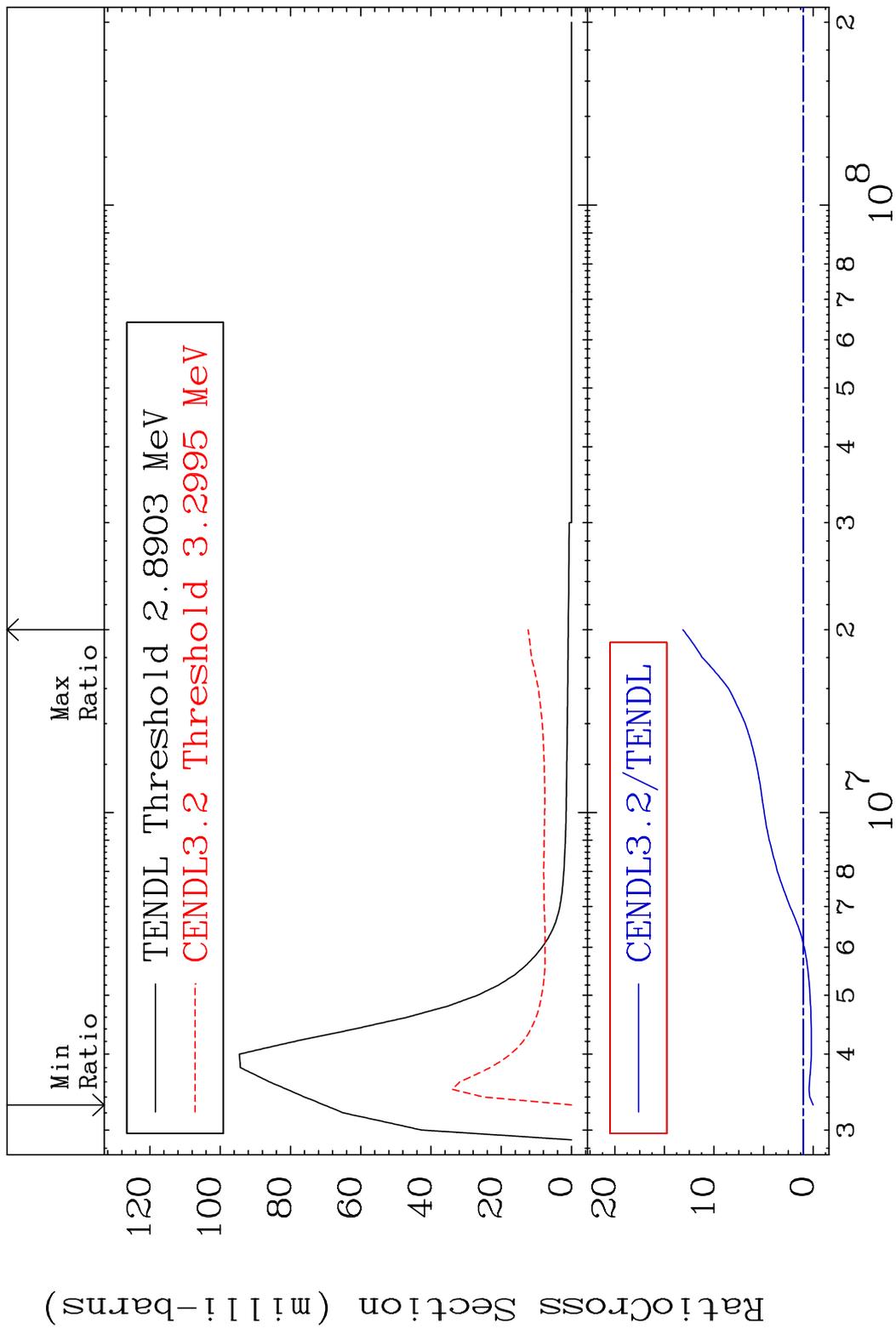
MAT 5461 MT= 64 (n,n') Level 54-Xe-136
 Cross Section -100.0 To -5.616%



MAT 5461 MT= 65 (n,n') Level 54-Xe-136
 Cross Section -100.0 To 9999. %



MAT 5461 MT= 66 (n, n') Level 54-Xe-136
 Cross Section -100.0 To 1214. %

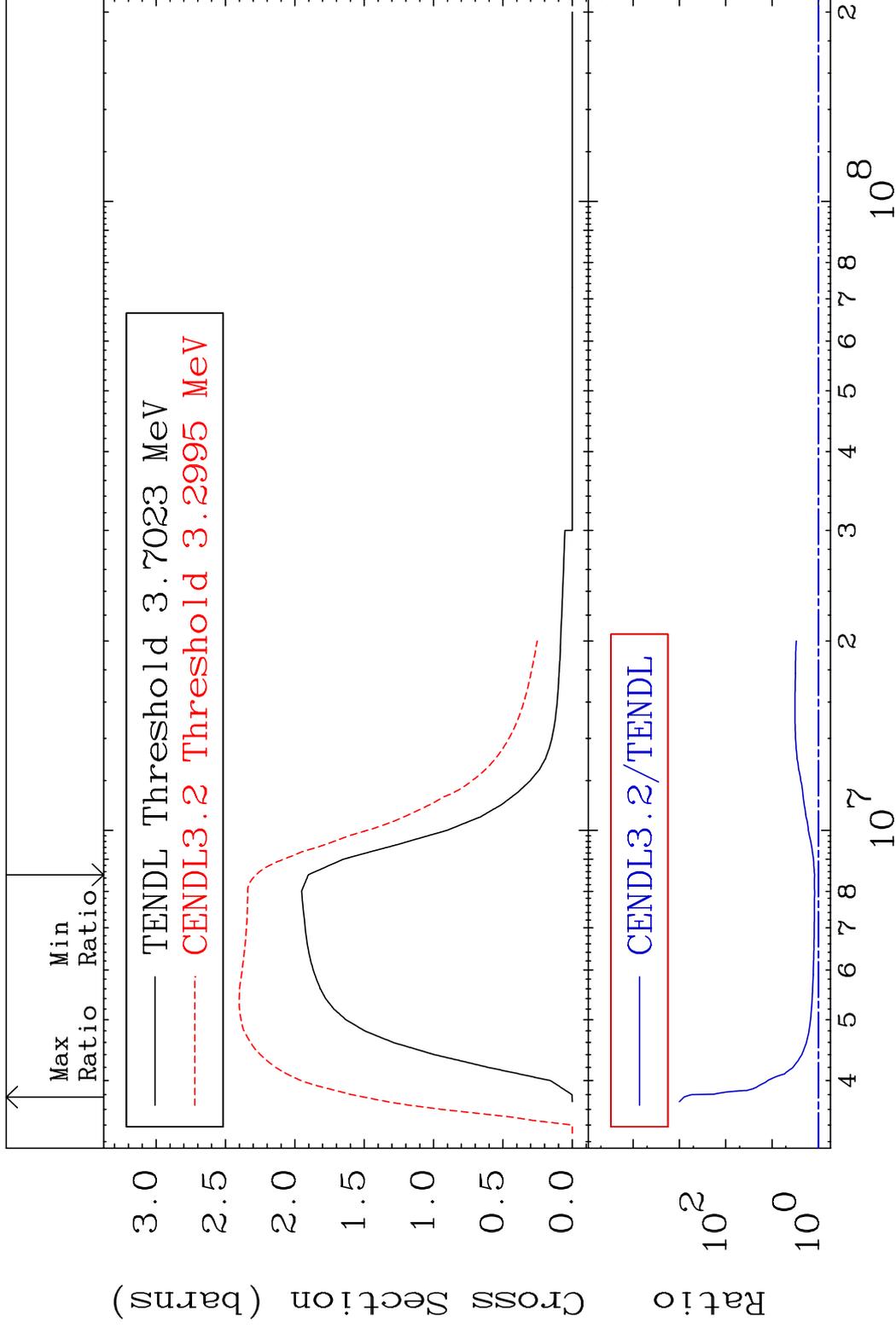


MAT 5461

(n,n') Continuum

54-Xe-136

Cross Section 19.79 To 9999. %



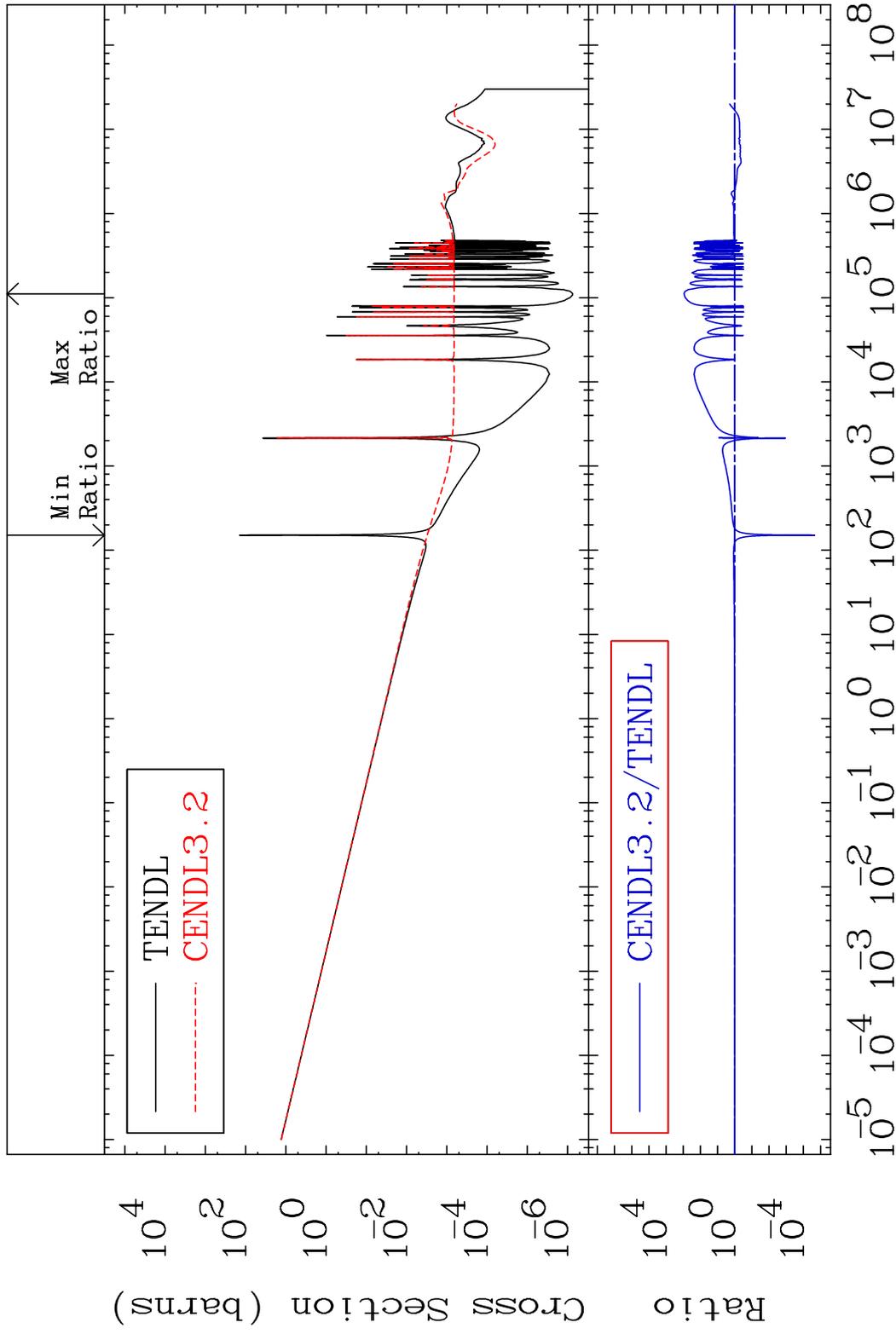
24

Incident Energy (eV)

54-Xe-136

MAT 5461

(n, γ)
Cross Section -100.0 To 9999. %
54-Xe-136



25

Incident Energy (eV)

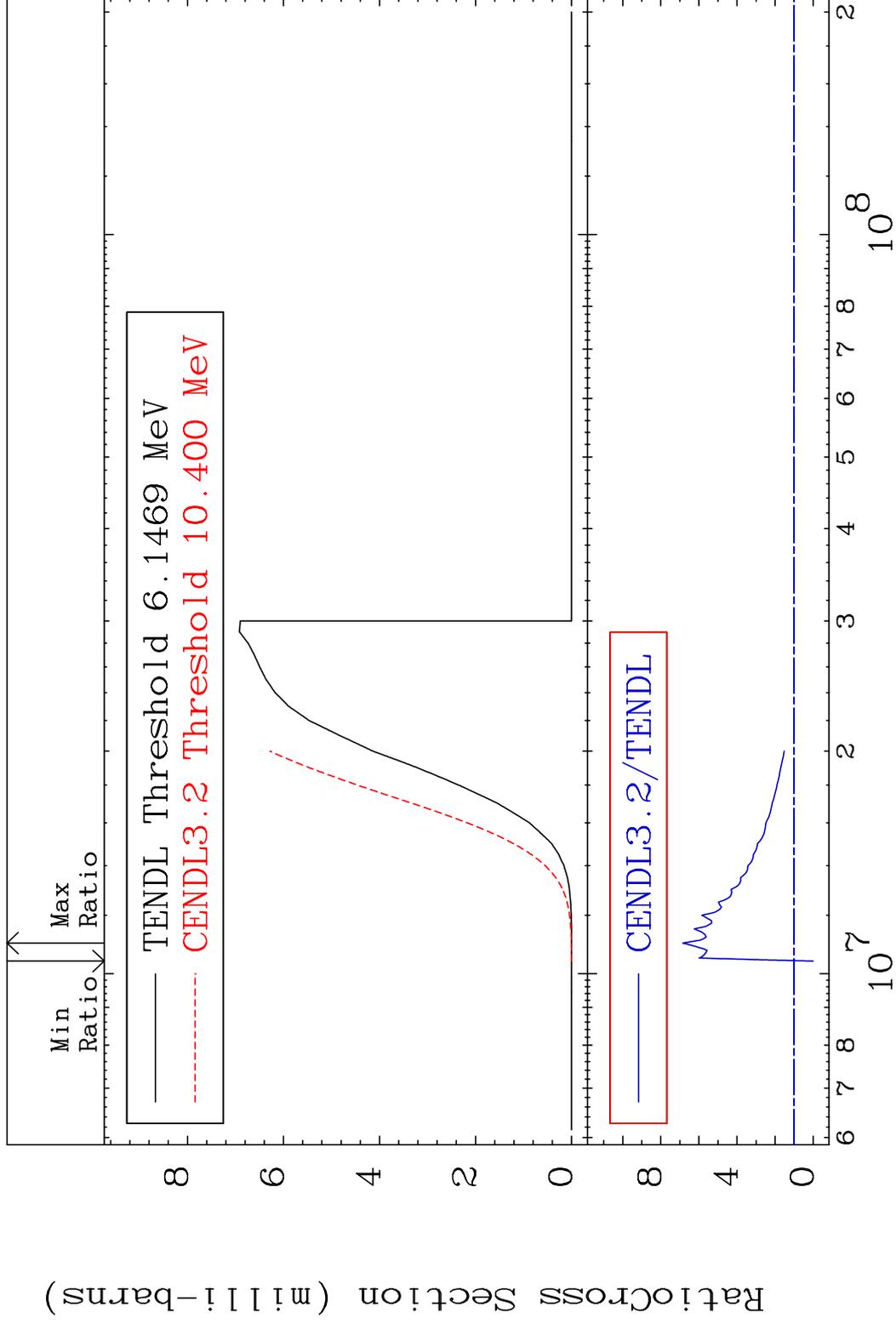
54-Xe-136

MAT 5461

(n, p)

54-Xe-136

Cross Section -100.0 To 584.4 %



26

Incident Energy (eV)

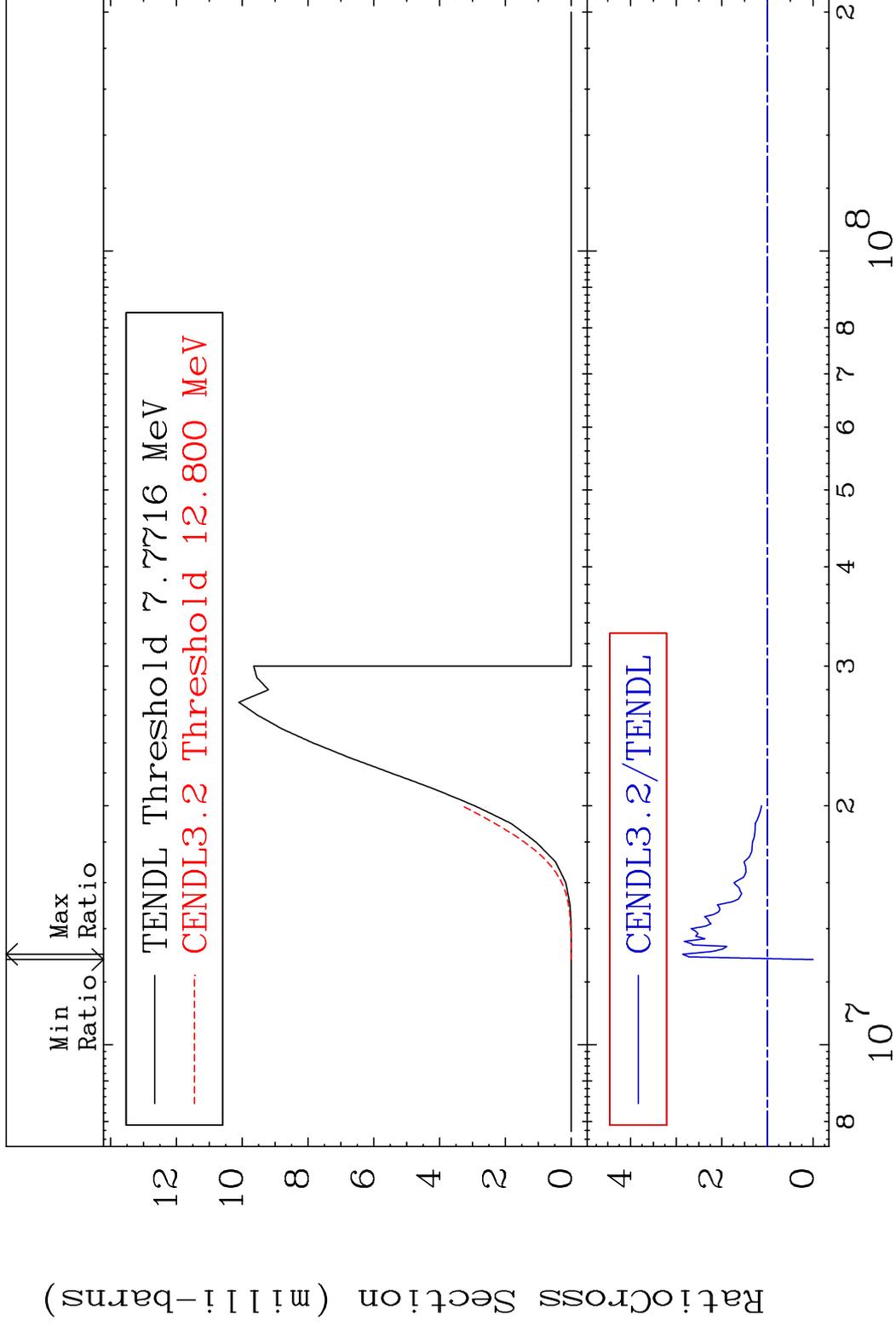
54-Xe-136

MAT 5461

(n, d)

54-Xe-136

Cross Section -100.0 To 185.8 %



27

Incident Energy (eV)

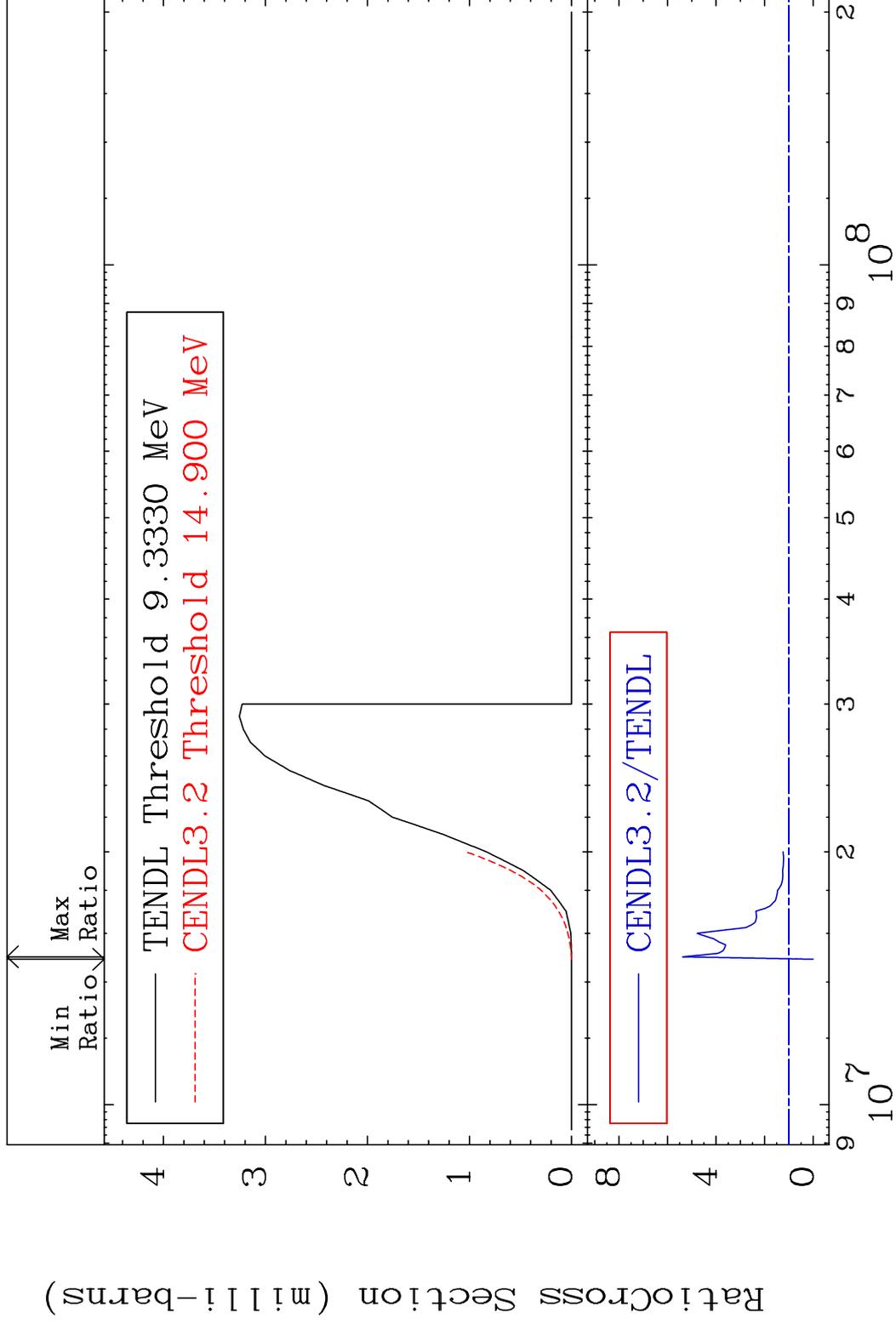
54-Xe-136

MAT 5461

(n, t)

54-Xe-136

Cross Section -100.0 To 436.9 %



28

Incident Energy (eV)

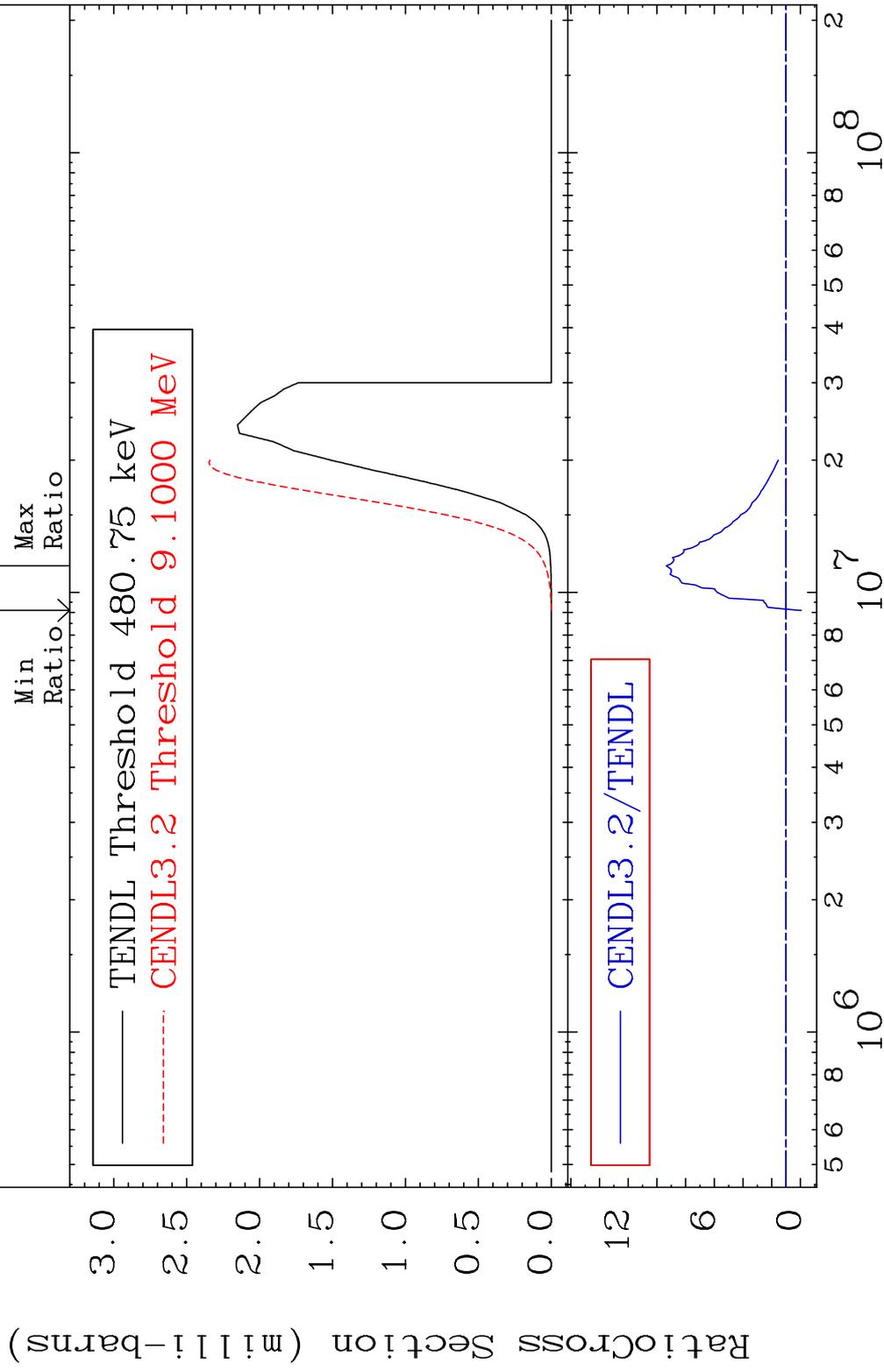
54-Xe-136

MAT 5461

(n, α)

54-Xe-136

Cross Section -100.0 To 836.6 %



29

Incident Energy (eV)

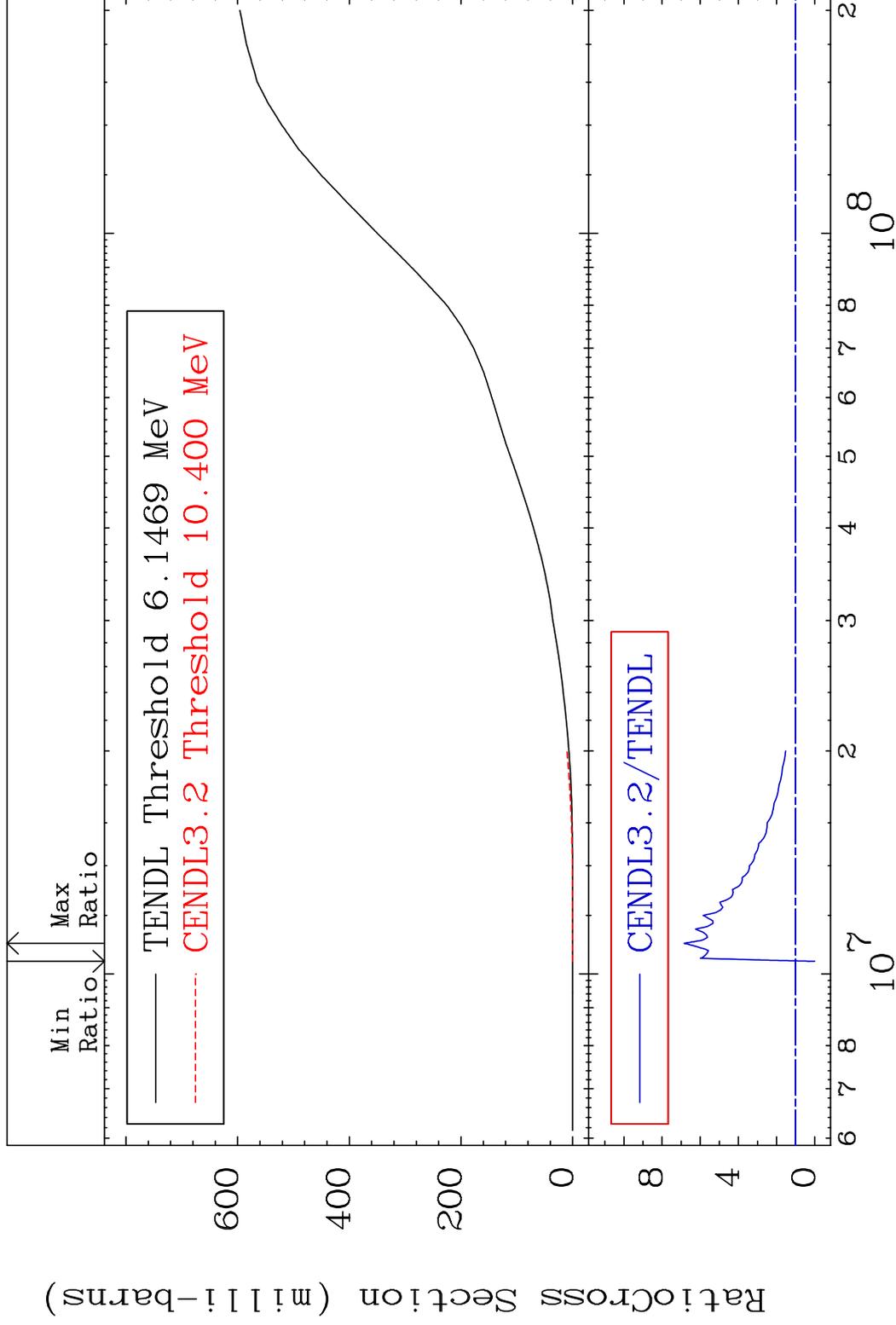
54-Xe-136

MAT 5461

Hydrogen Production

54-Xe-136

Cross Section -100.0 To 584.4 %



30

Incident Energy (eV)

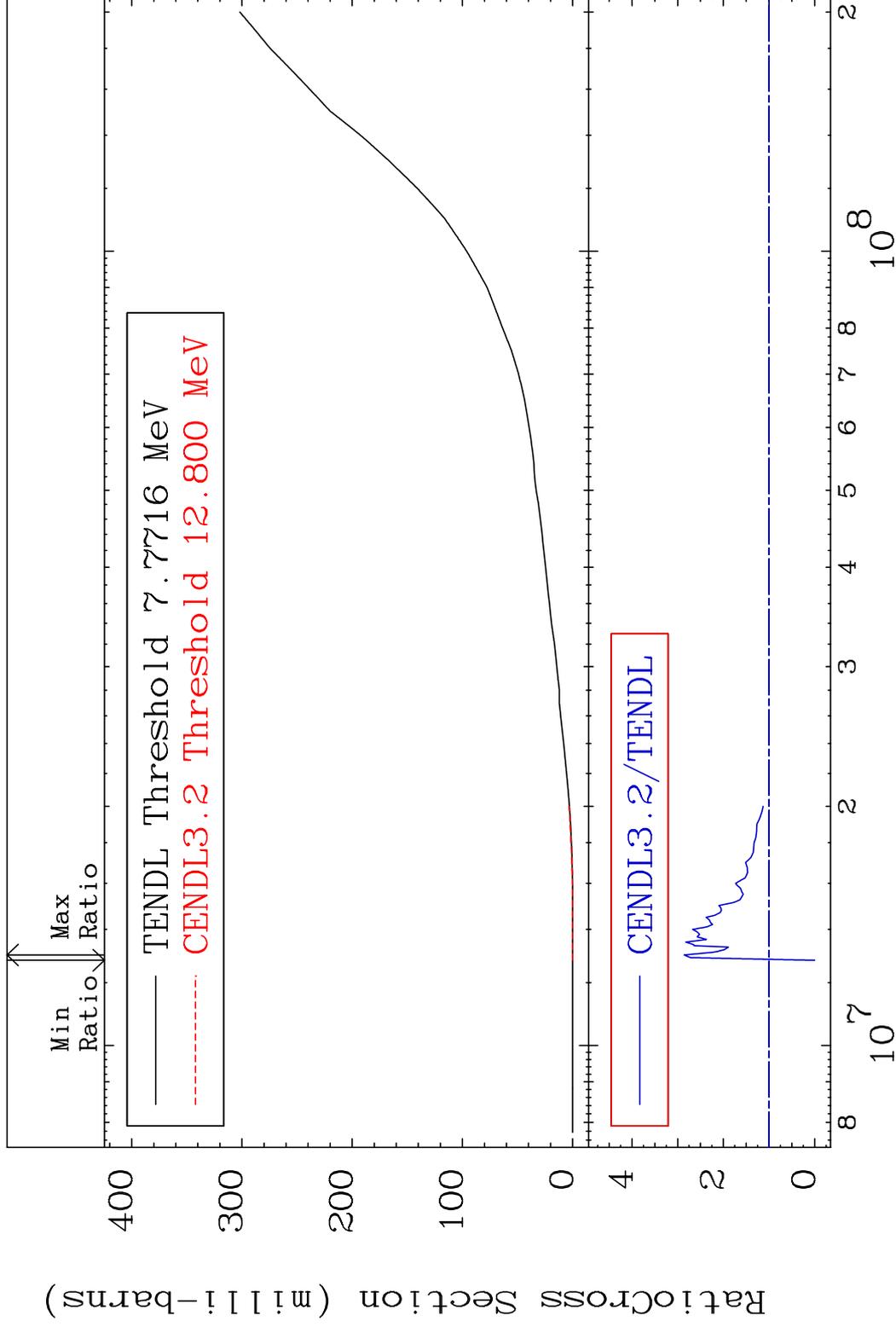
54-Xe-136

MAT 5461

Deuterium Production

54-Xe-136

Cross Section -100.0 To 185.8 %



31

Incident Energy (eV)

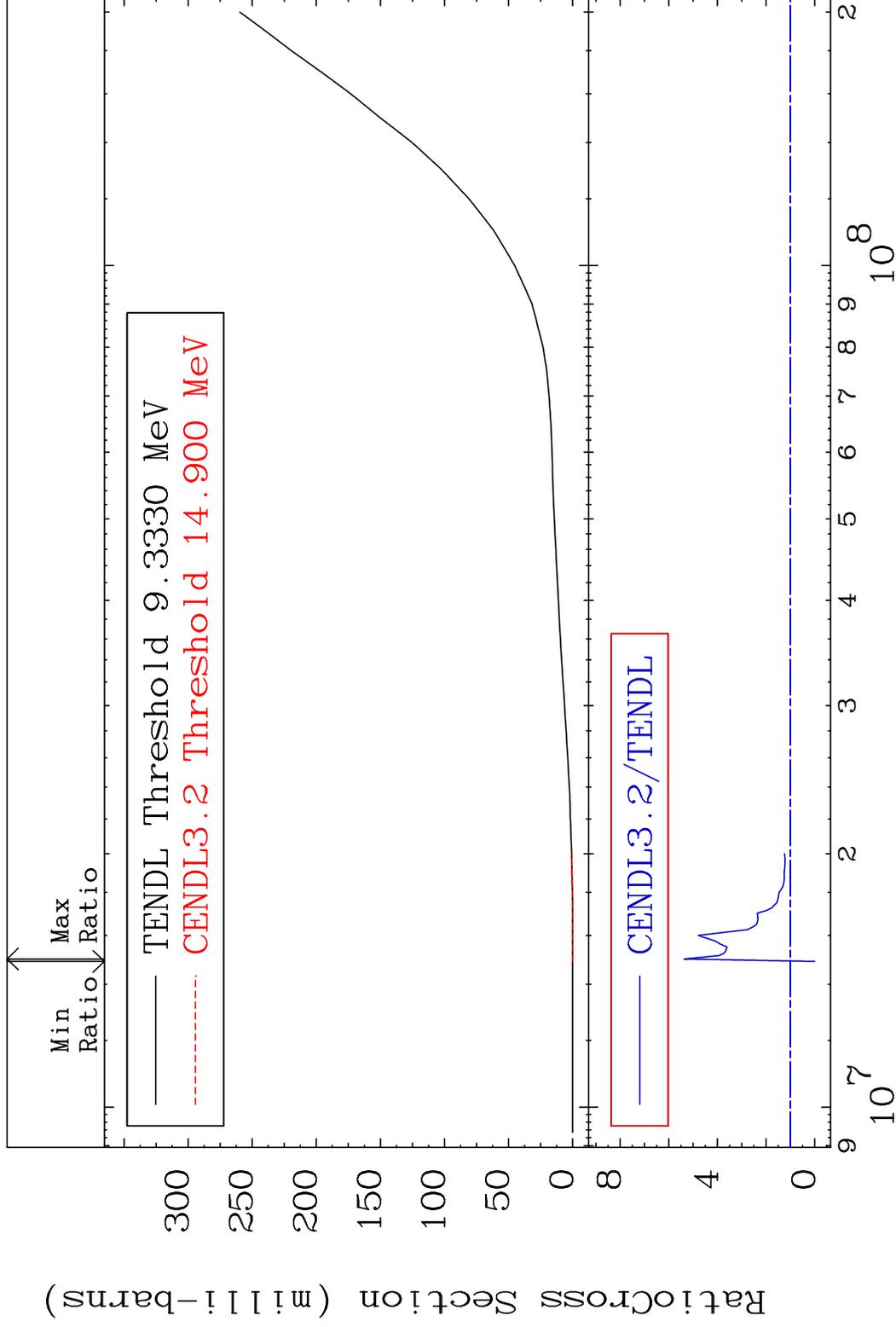
54-Xe-136

MAT 5461

Tritium Production

54-Xe-136

Cross Section -100.0 To 436.9 %



32

Incident Energy (eV)

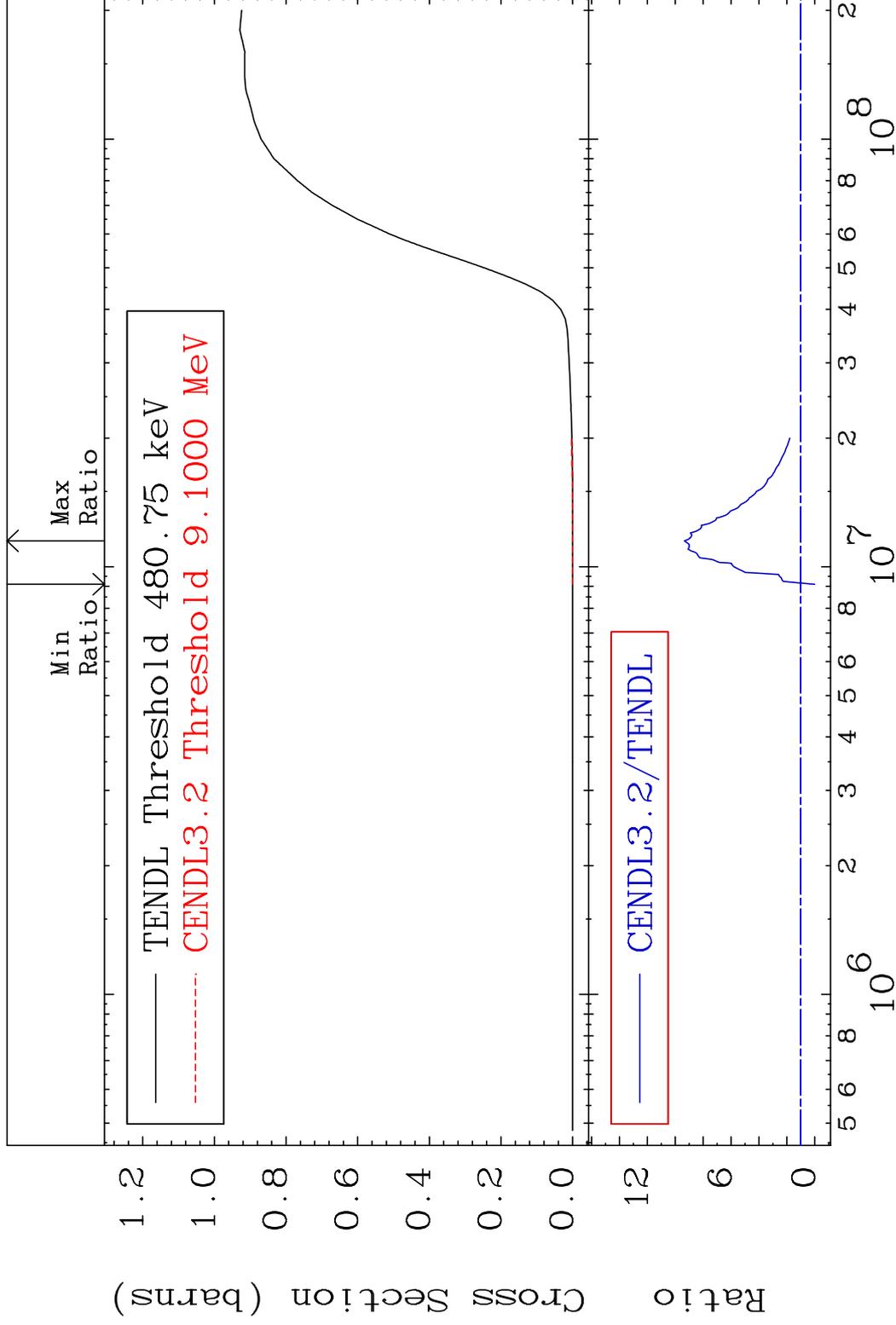
54-Xe-136

MAT 5461

He-4 Production

54-Xe-136

Cross Section -100.0 To 836.5 %

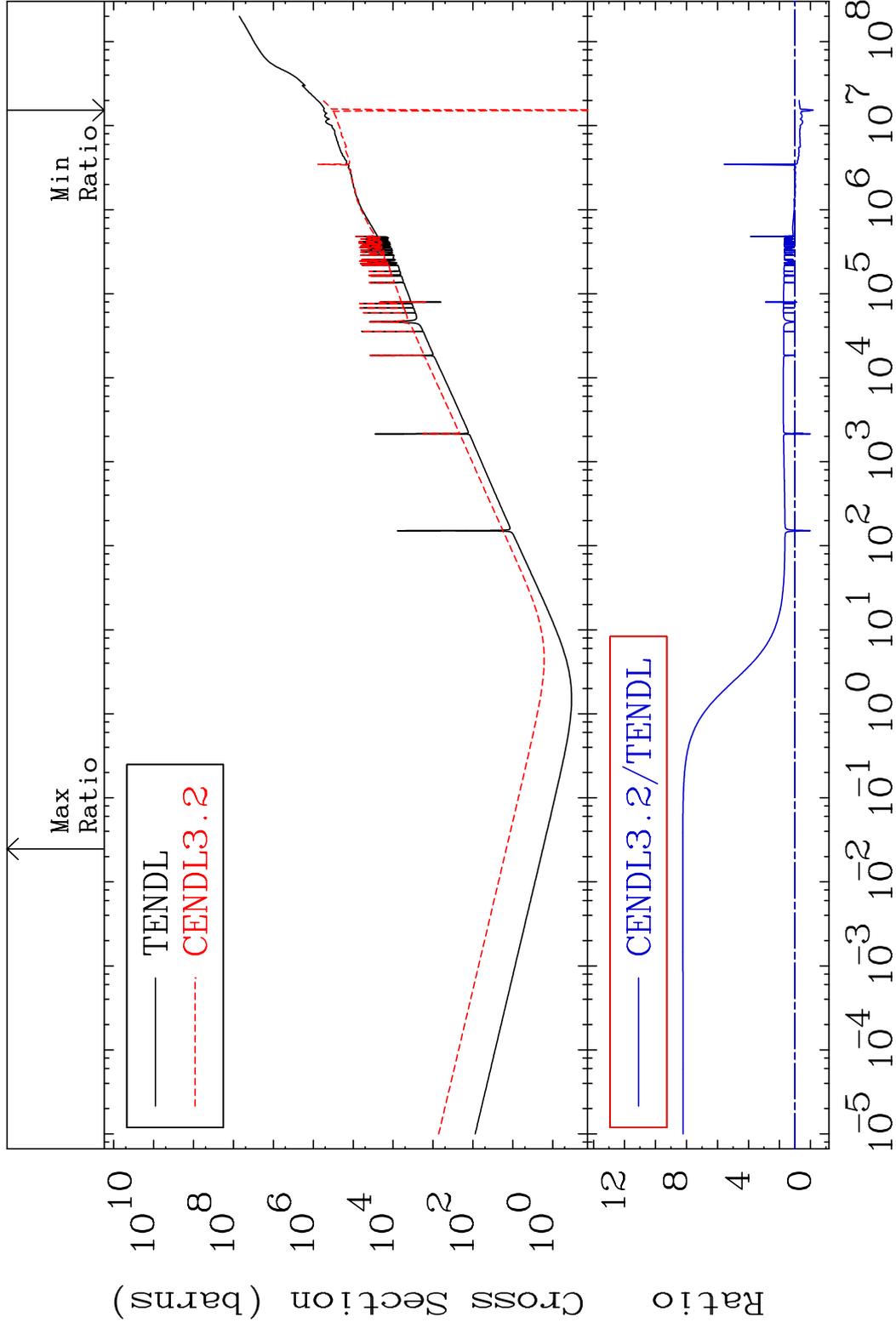


33

Incident Energy (eV)

54-Xe-136

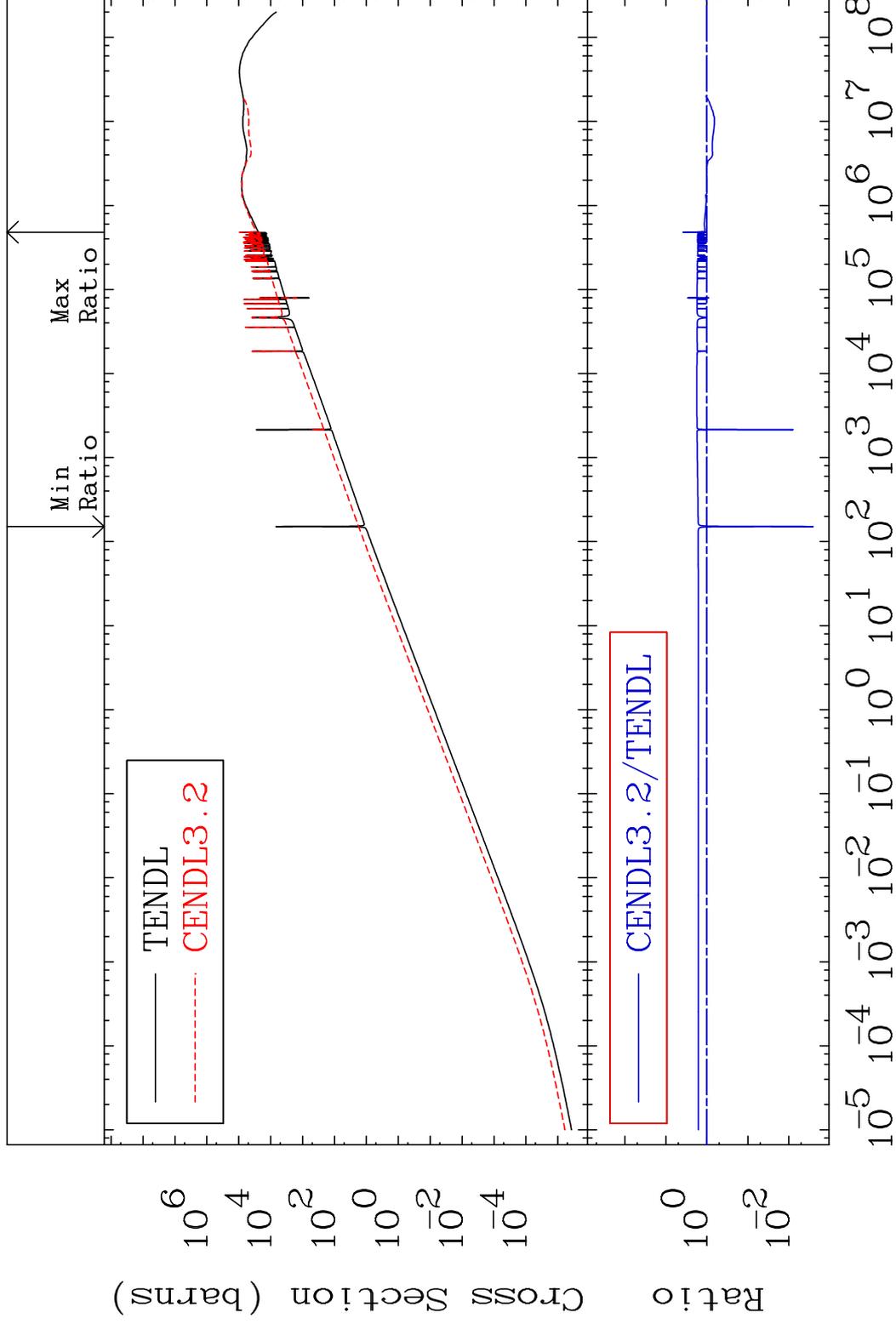
MAT 5461 Kerma total (eV-barns) 54-Xe-136
 Cross Section -117.1 To 723.7 %



MAT 5461

Kerma elastic
Cross Section

54-Xe-136
-99.75 To 285.9 %

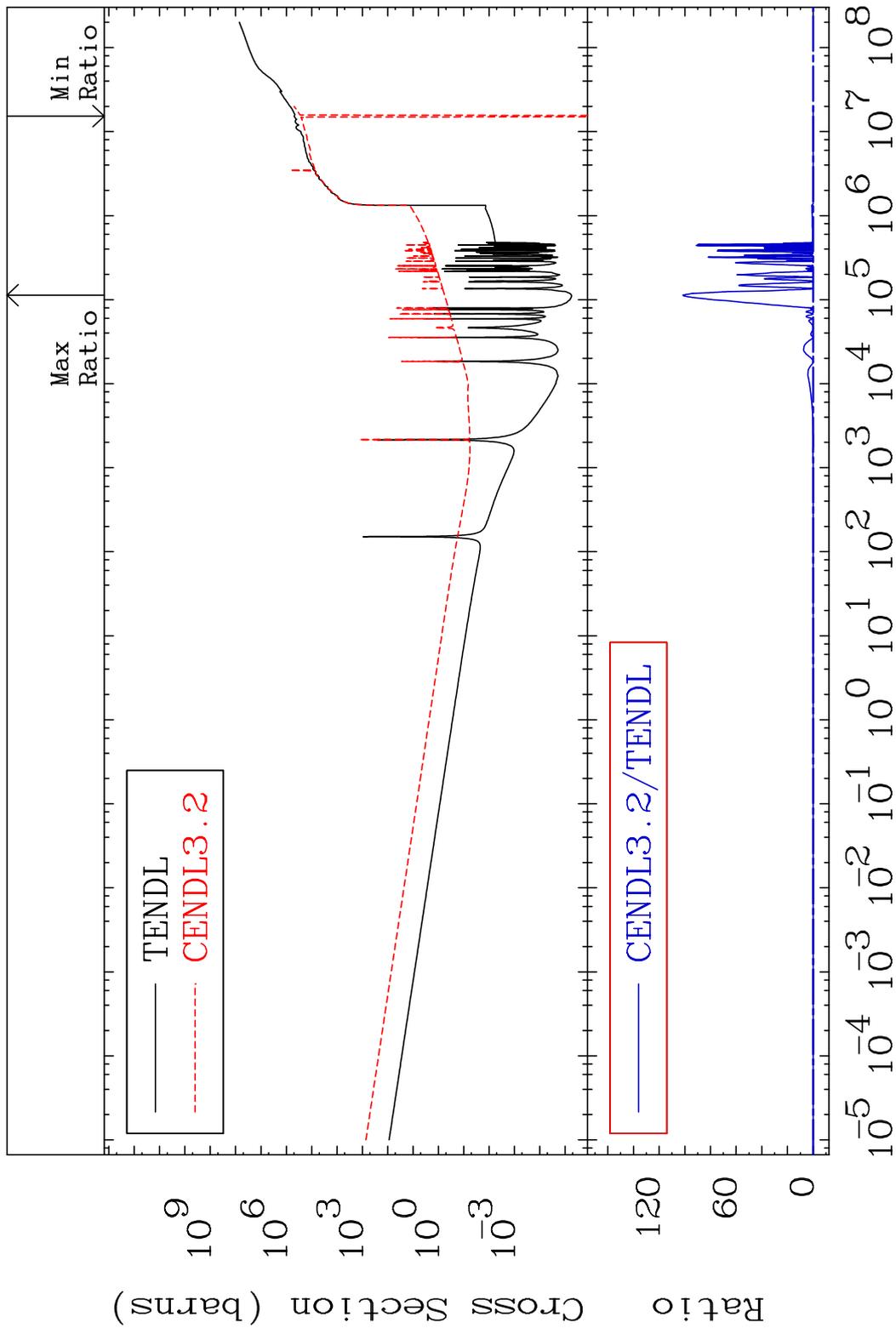


35

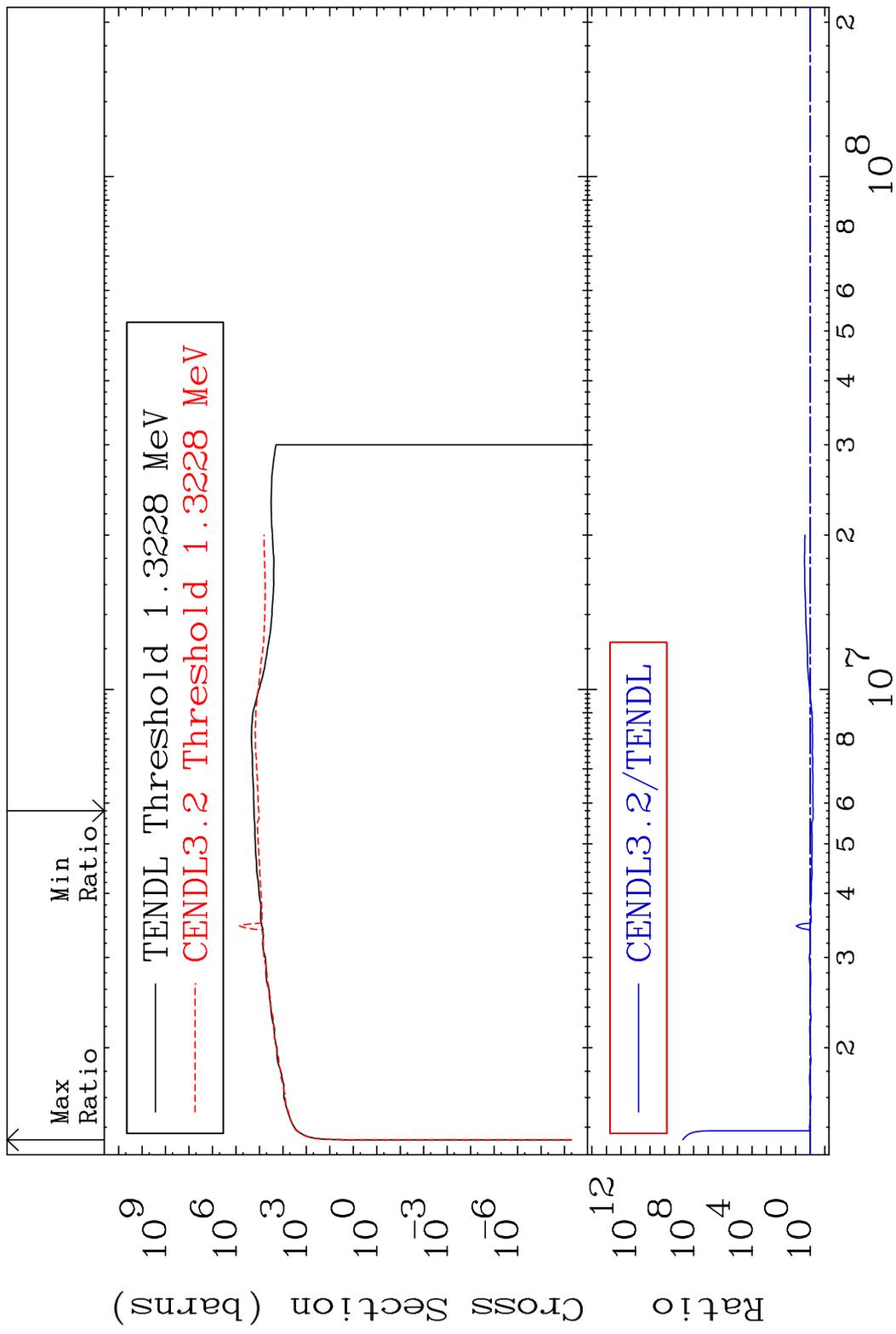
Incident Energy (eV)

54-Xe-136

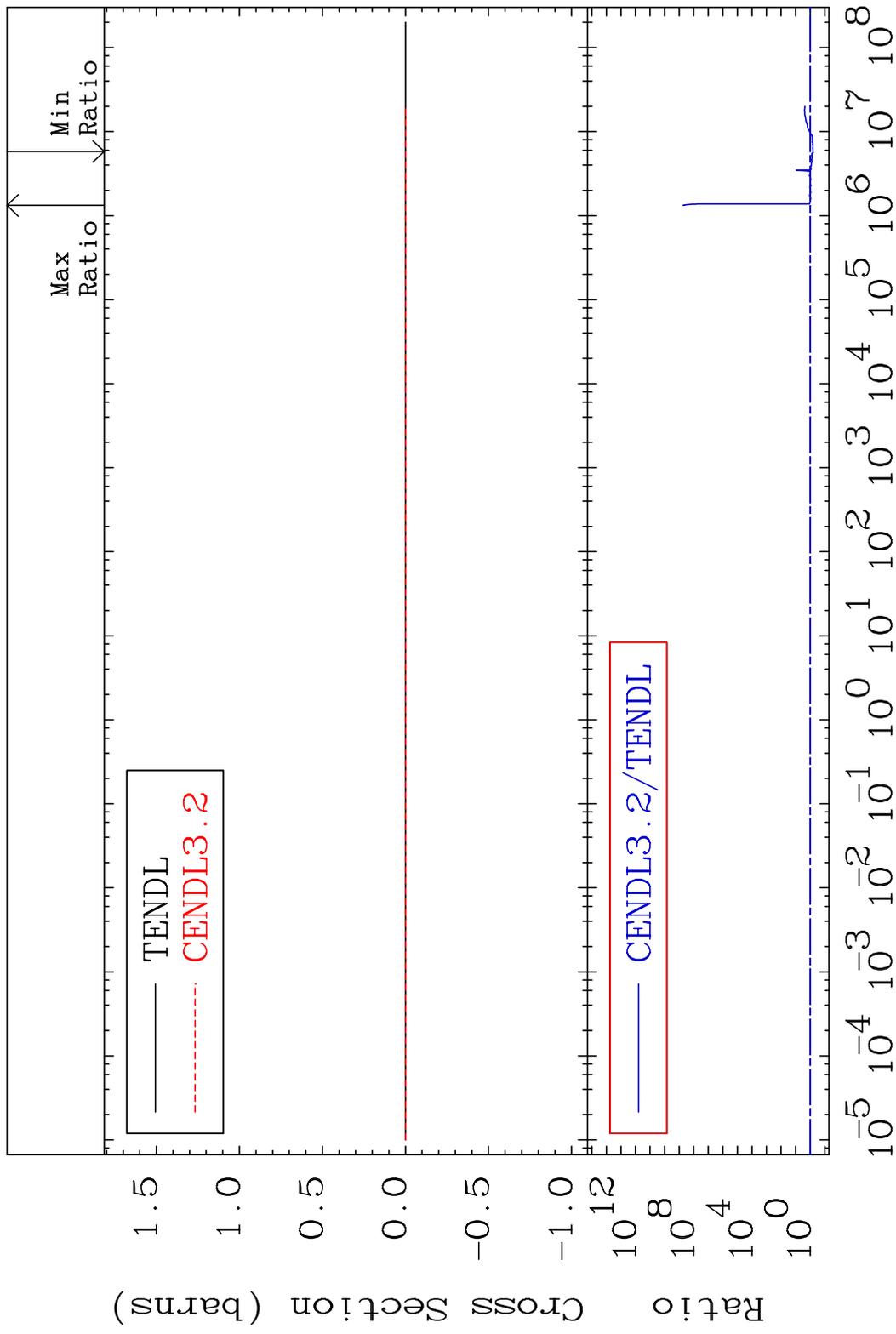
MAT 5461 Kerma non-elastic (all but mt2) 54-Xe-136
 Cross Section -131.2 To 9999. %



MAT 5461 Kerma inelastic (mt51-91) 54-Xe-136
 Cross Section -37.49 To 9999. %



MAT 5461 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-136
 Cross Section -37.49 To 9999. %

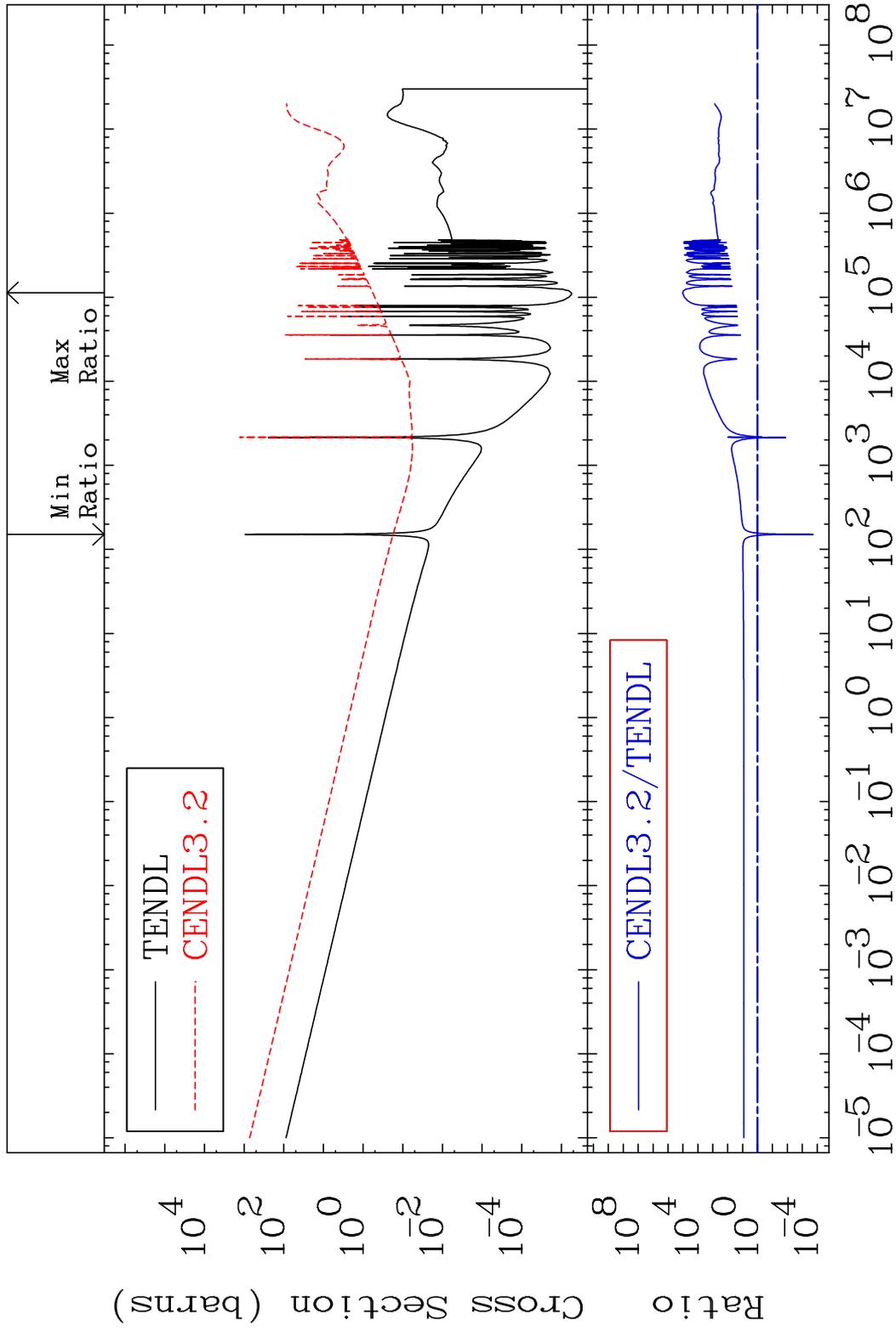


MAT 5461

Kerma capture (mt102)

54-Xe-136

Cross Section -99.98 To 9999. %

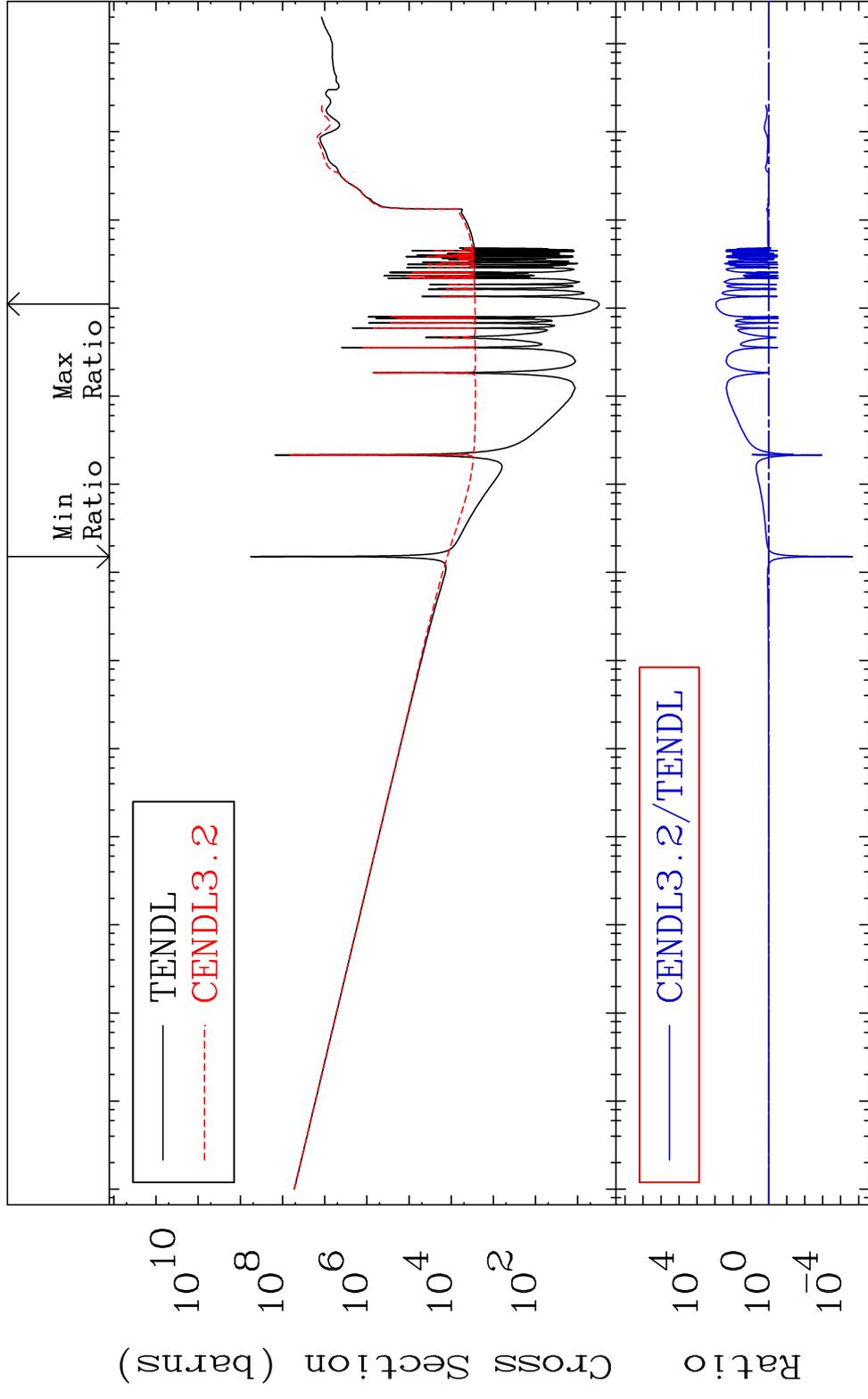


39

Incident Energy (eV)

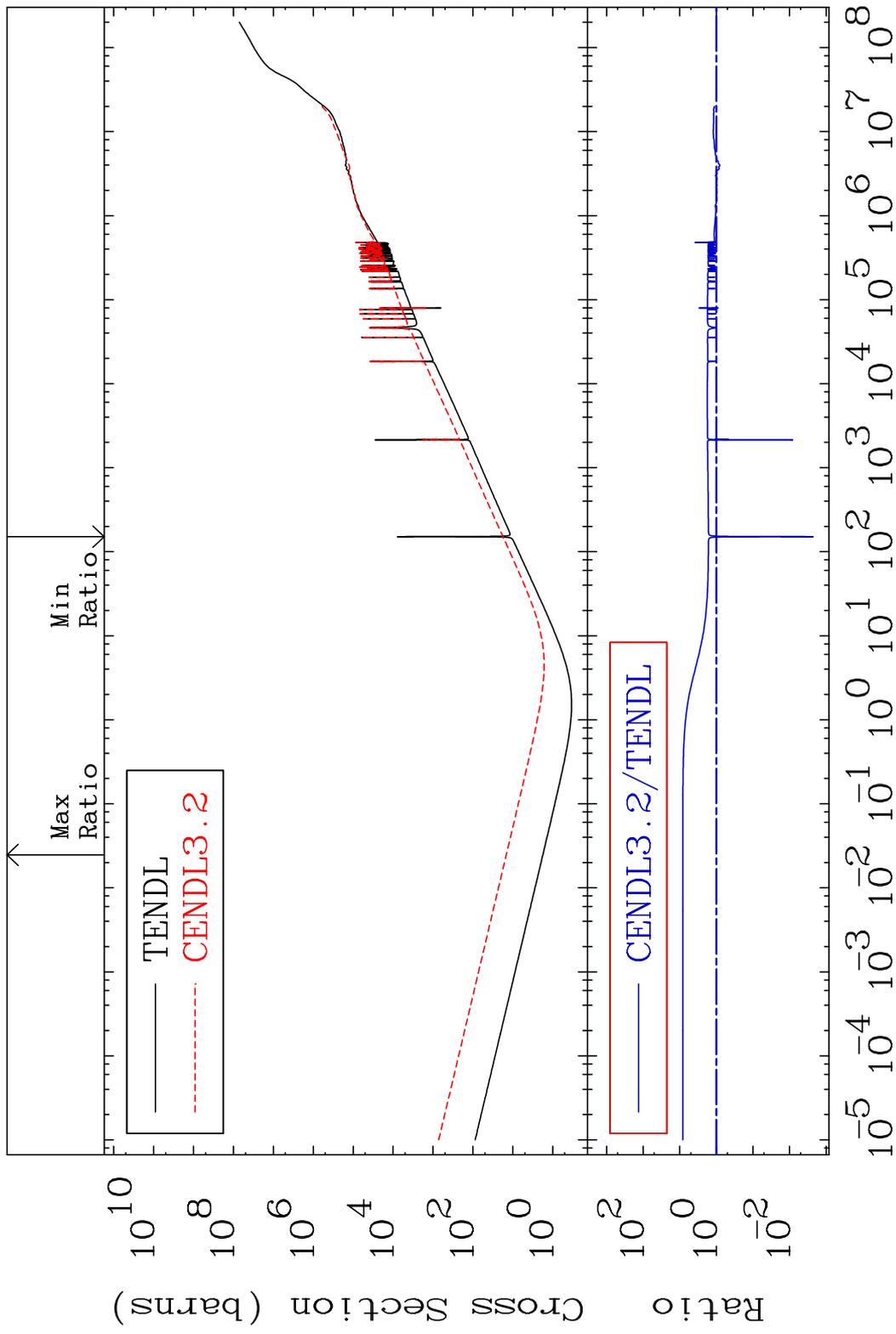
54-Xe-136

MAT 5461 Total photon (eV-barns) 54-Xe-136
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 54-Xe-136

MAT 5461 Total kinematic kerma (high limit) 54-Xe-136
 Cross Section -99.77 To 723.7 %

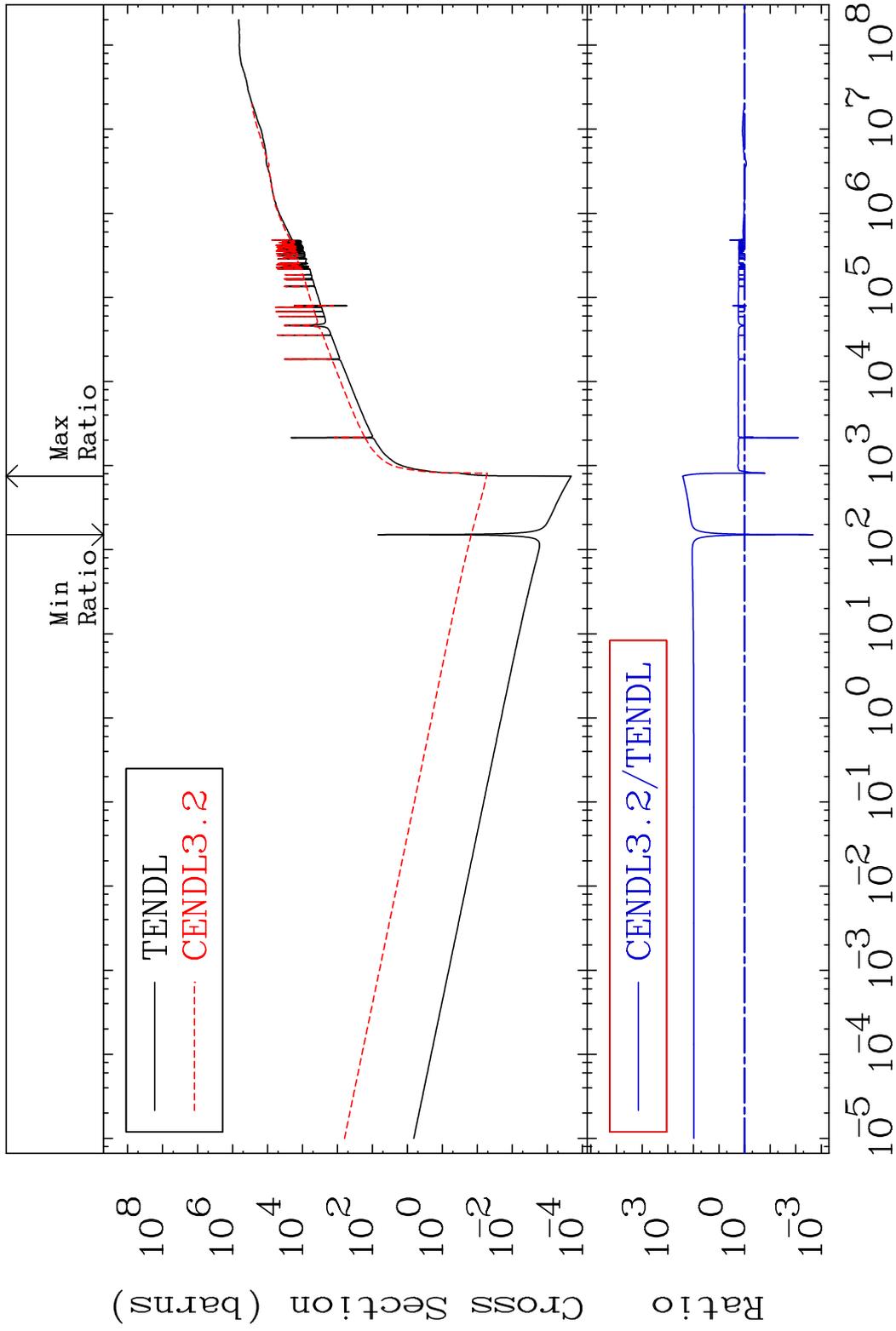


MAT 5461

Dpa total (eV-barns)

54-Xe-136

Cross Section -99.79 To 9999. %



42

Incident Energy (eV)

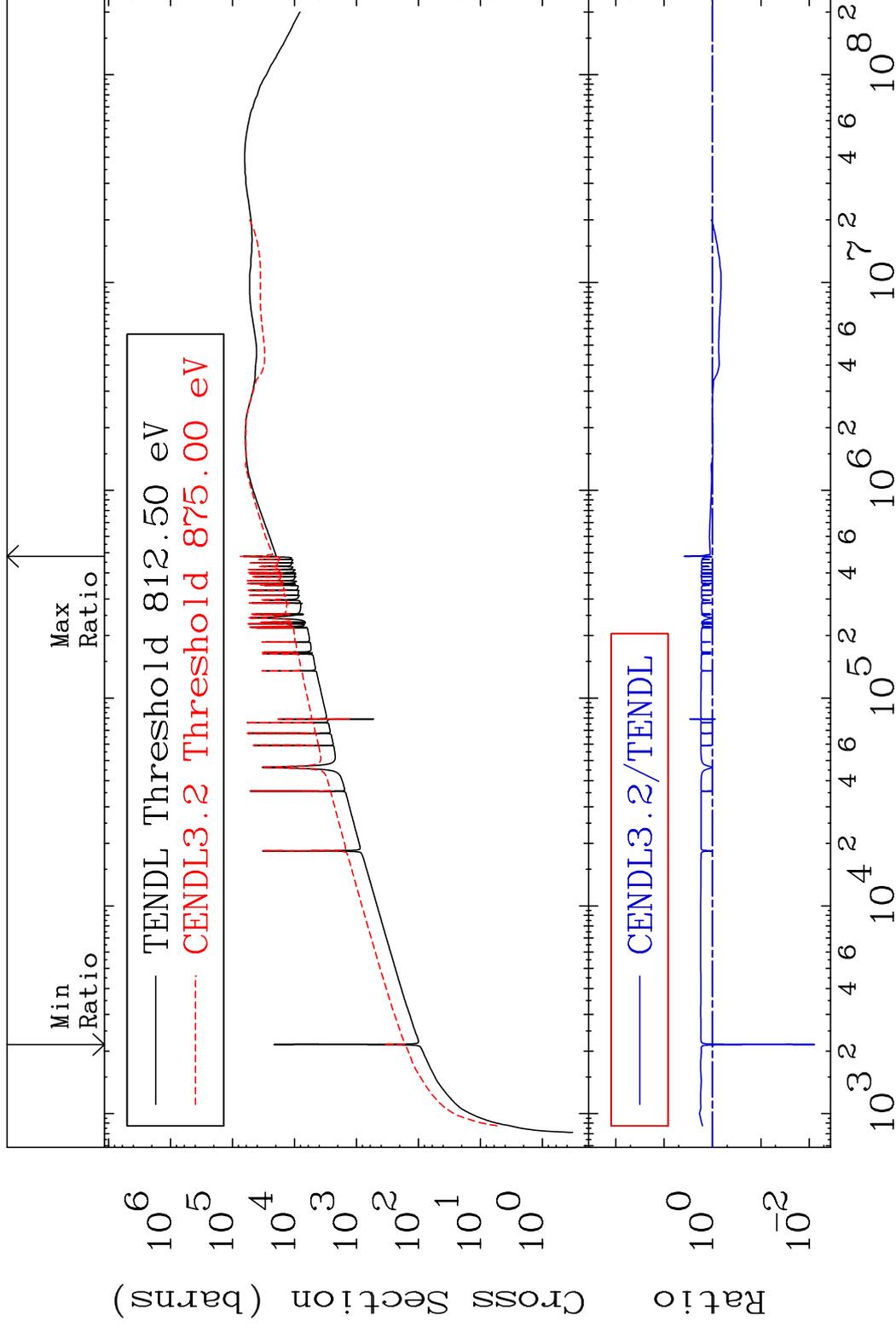
54-Xe-136

MAT 5461

Dpa elastic (mt2)

54-Xe-136

Cross Section -99.23 To 286.4 %



43

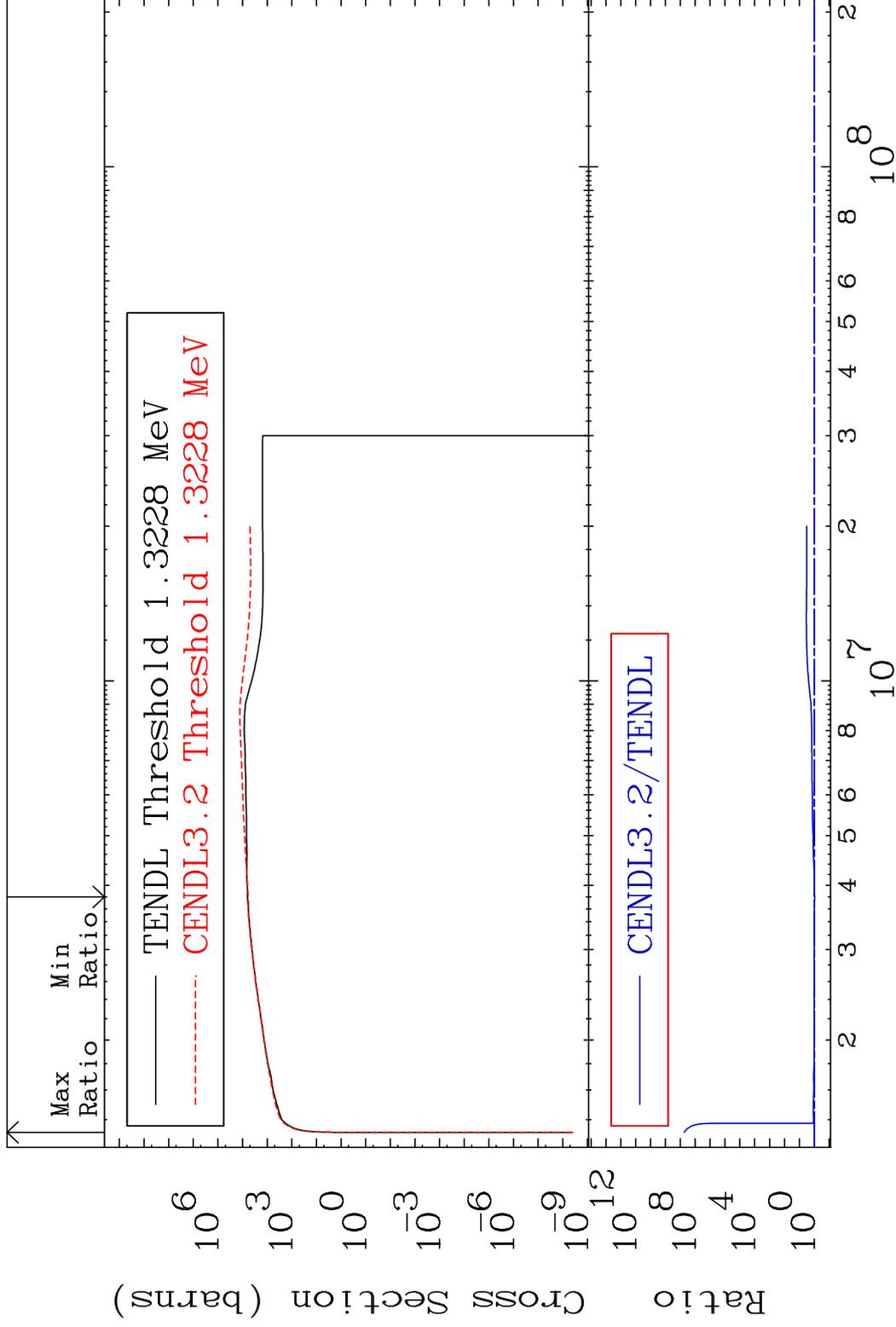
Incident Energy (eV)

54-Xe-136

MAT 5461

Dpa inelastic (mt51-91) 54-Xe-136

Cross Section -7.001 To 9999. %



MAT 5461 Dpa disappearance (mt102 -120) 54-Xe-136
 Cross Section -99.79 To 9999. %

