Program Complot
(Version 2021-1)
by
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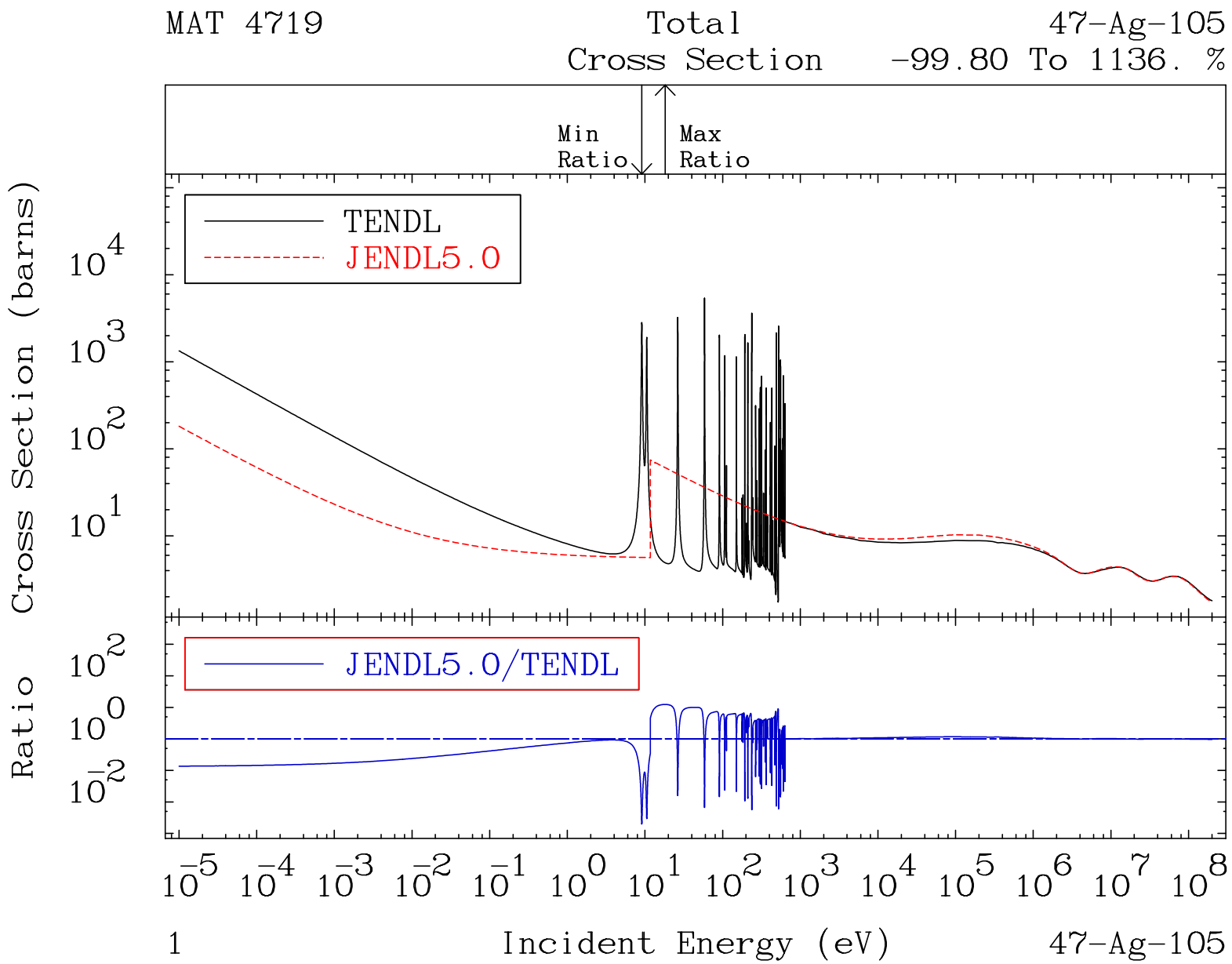
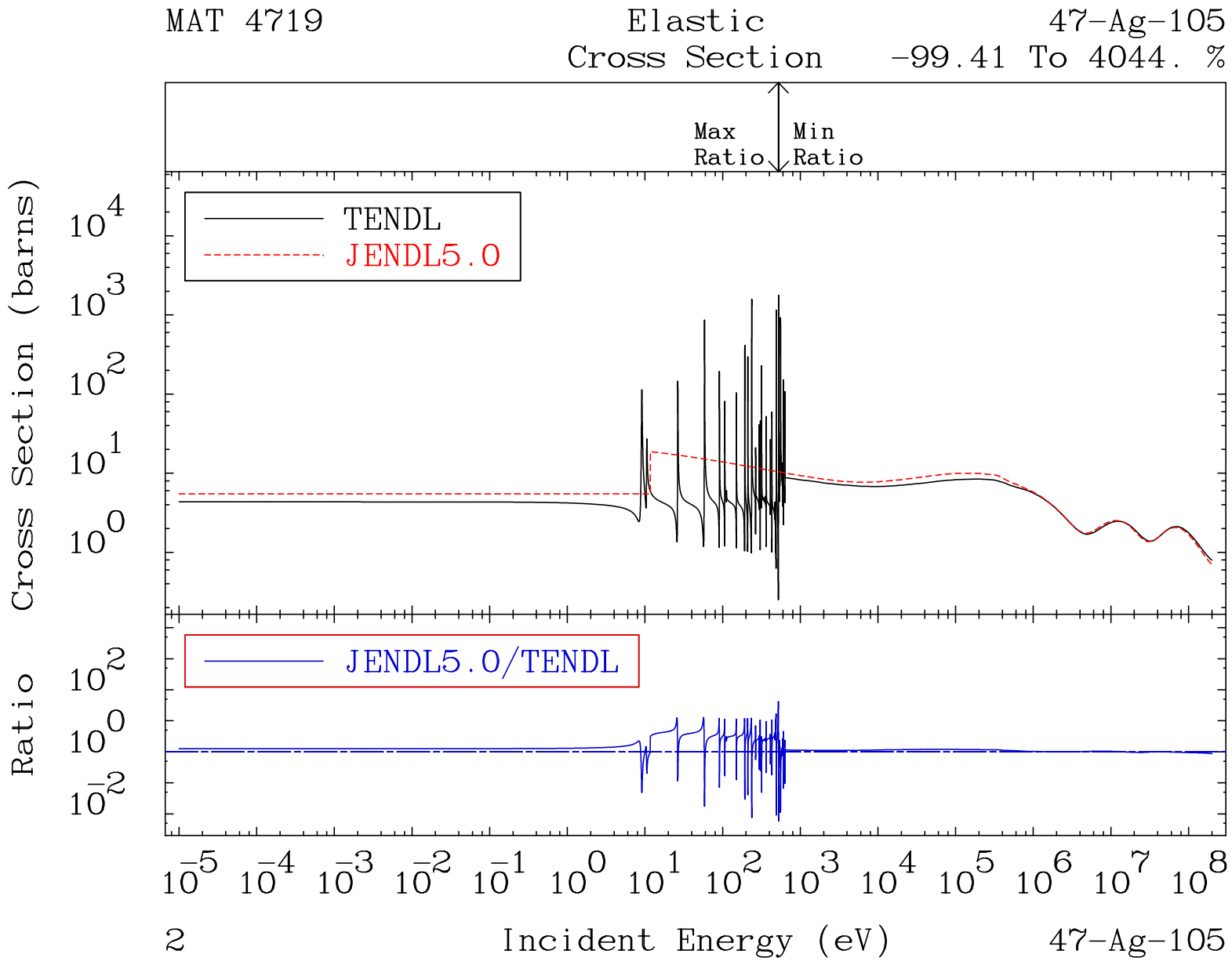
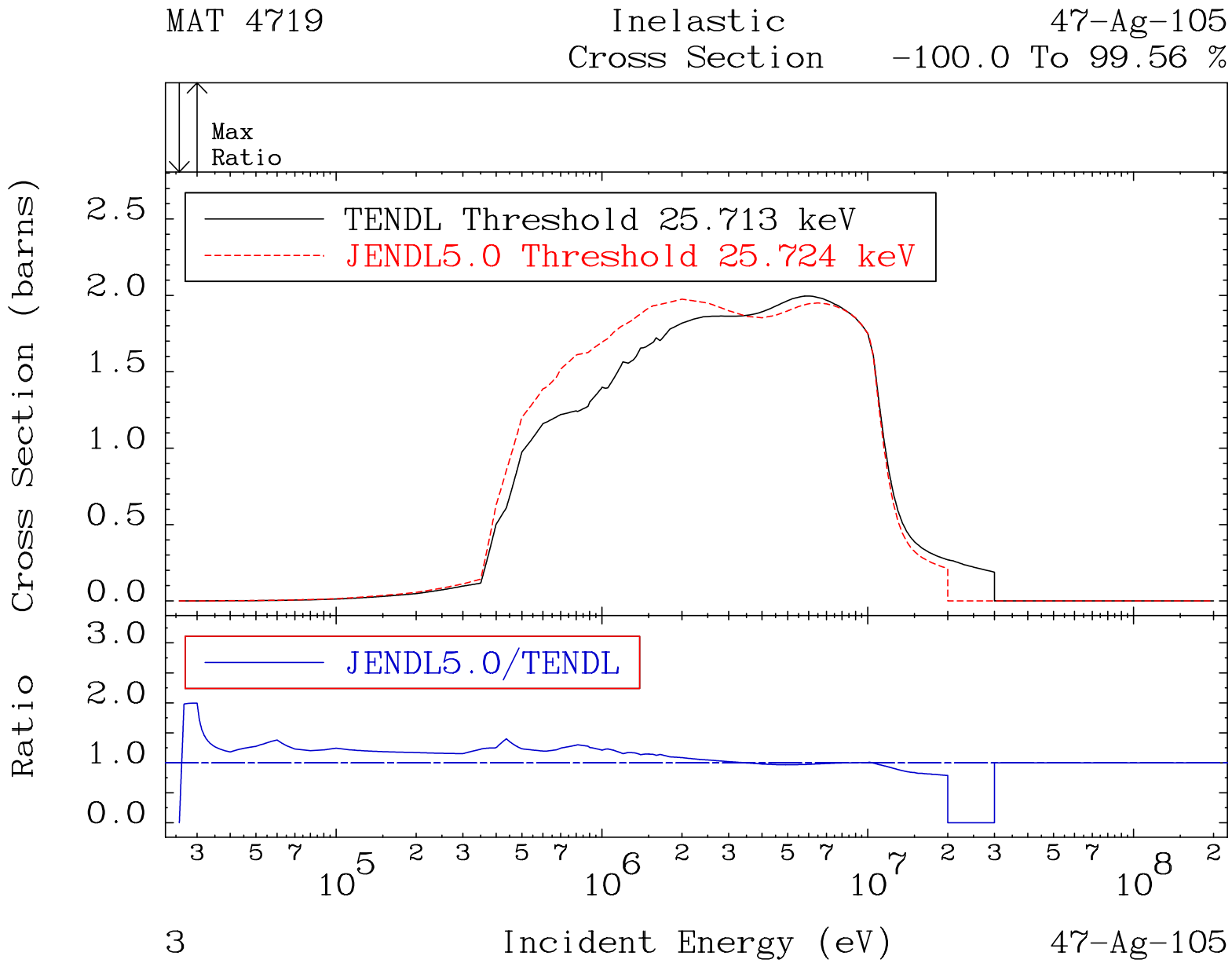
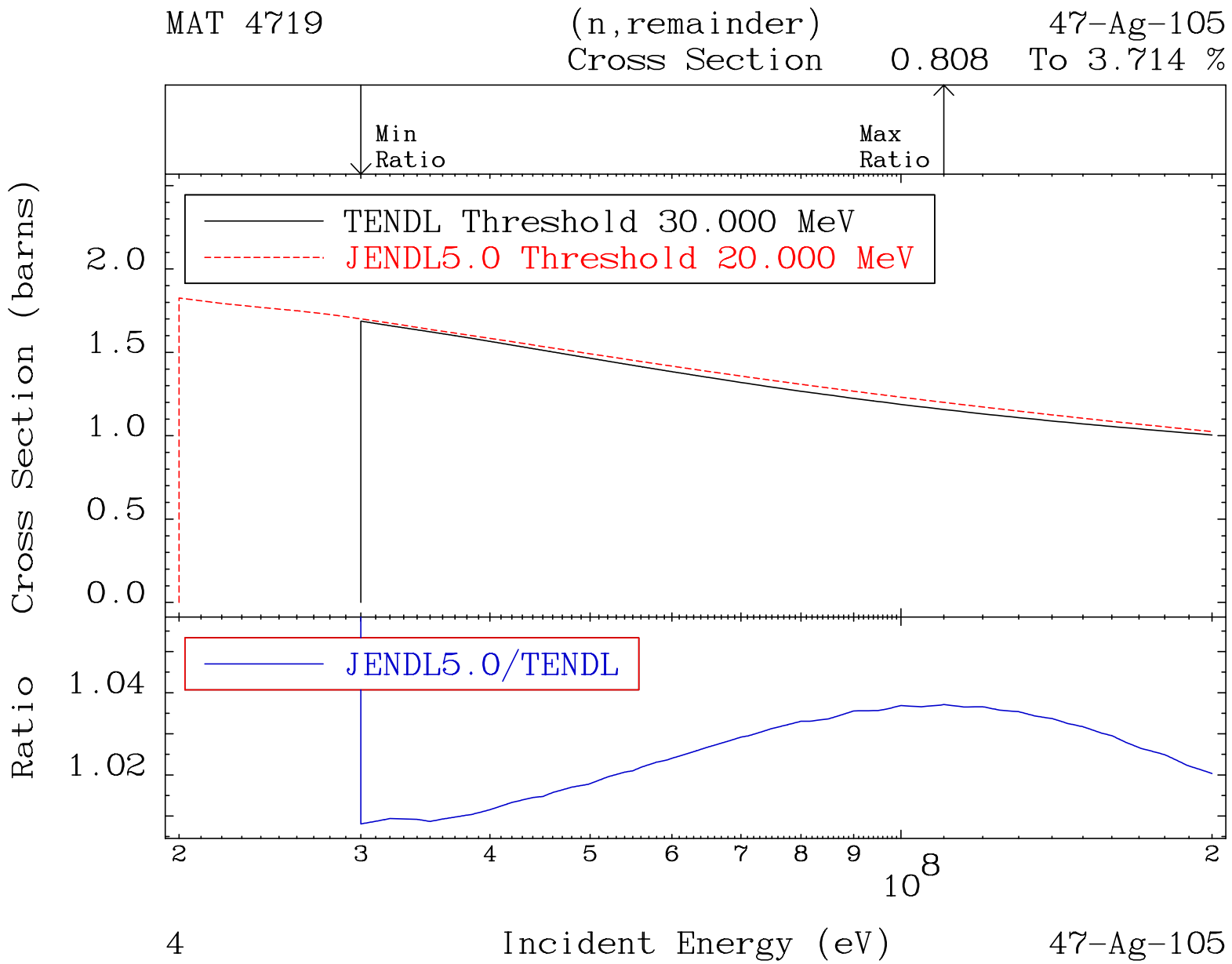
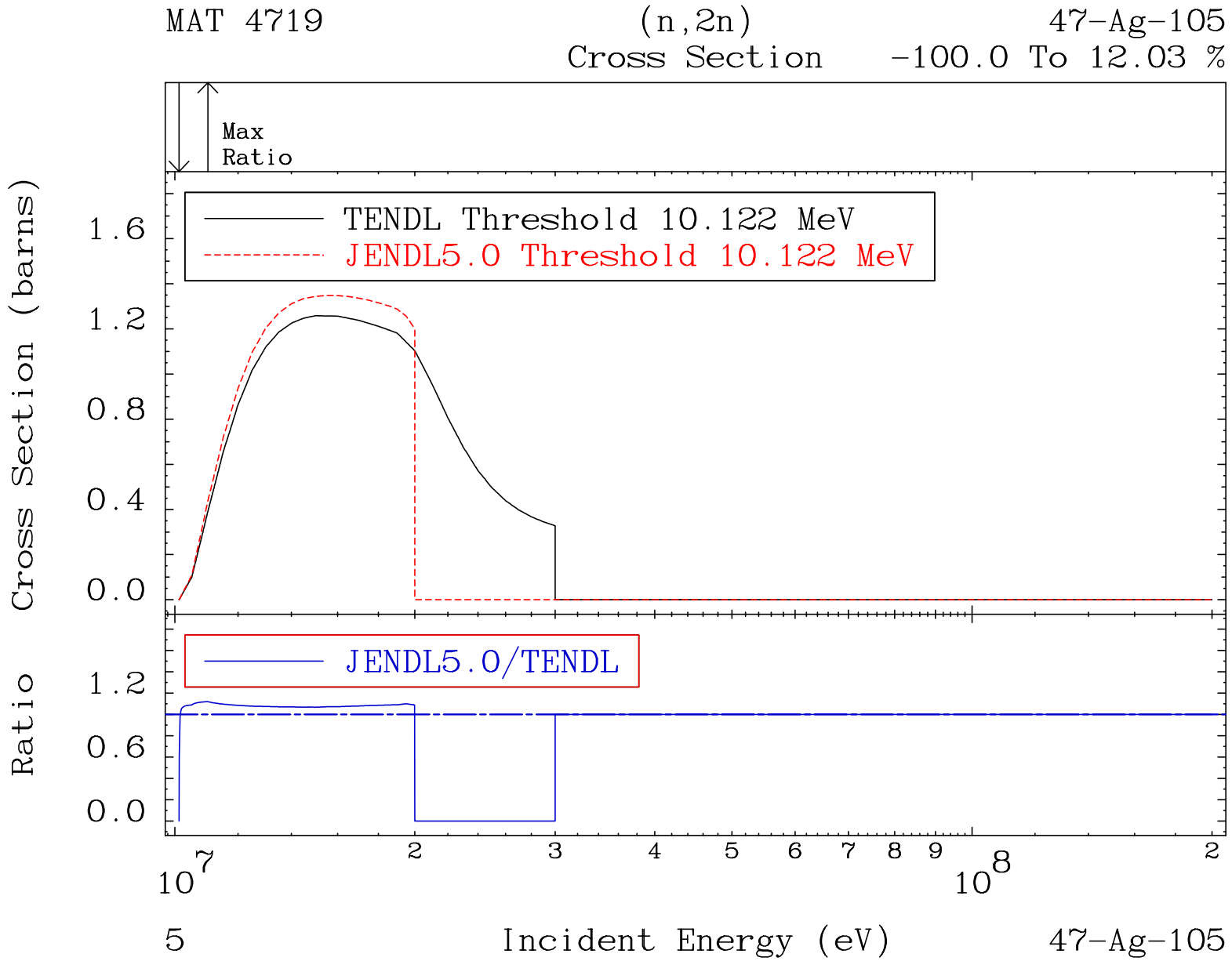
Press Mouse Button to Start

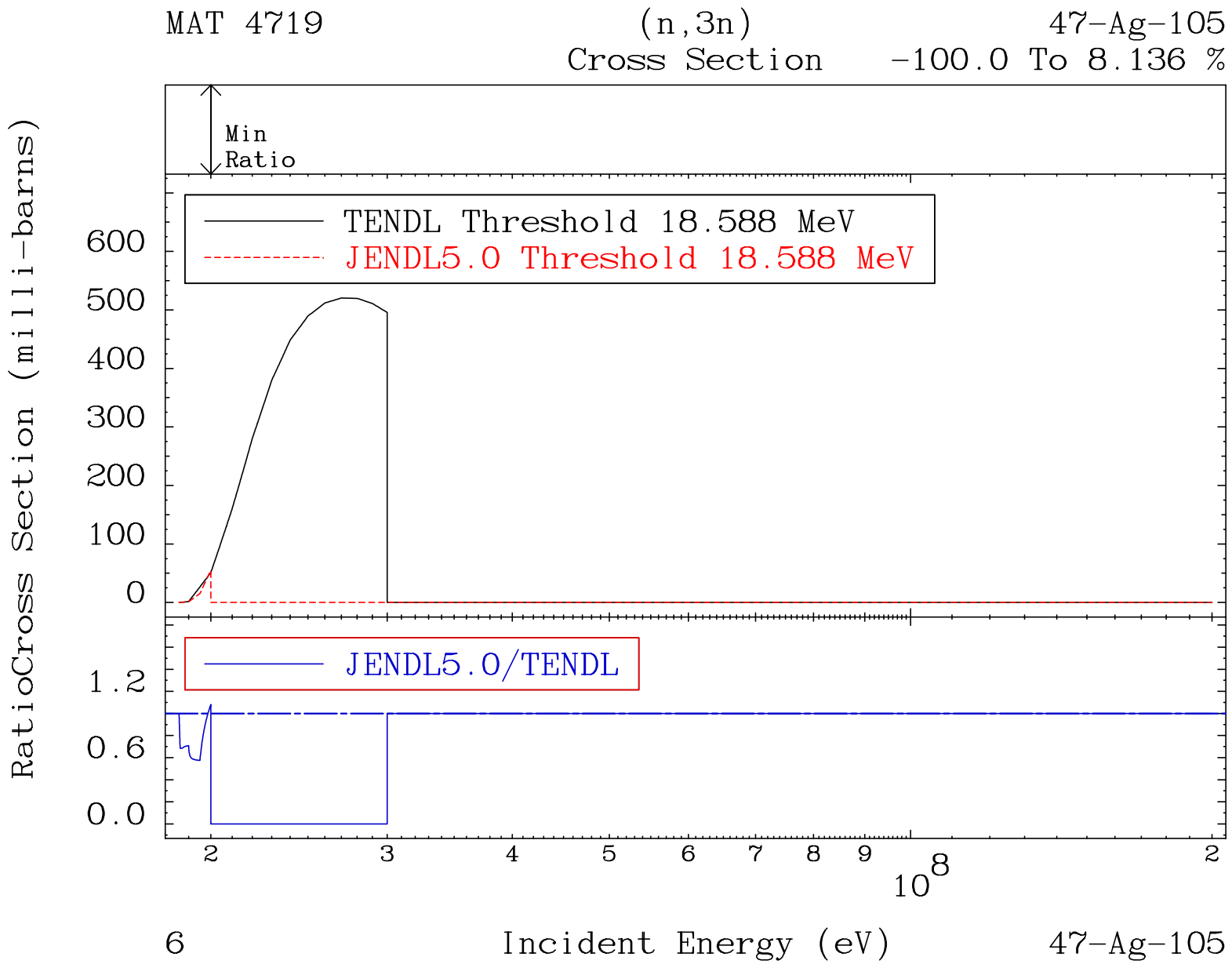

MAT 4719
Total
Cross Section
47-Ag-105
-99.80 To 1136. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
47-Ag-105

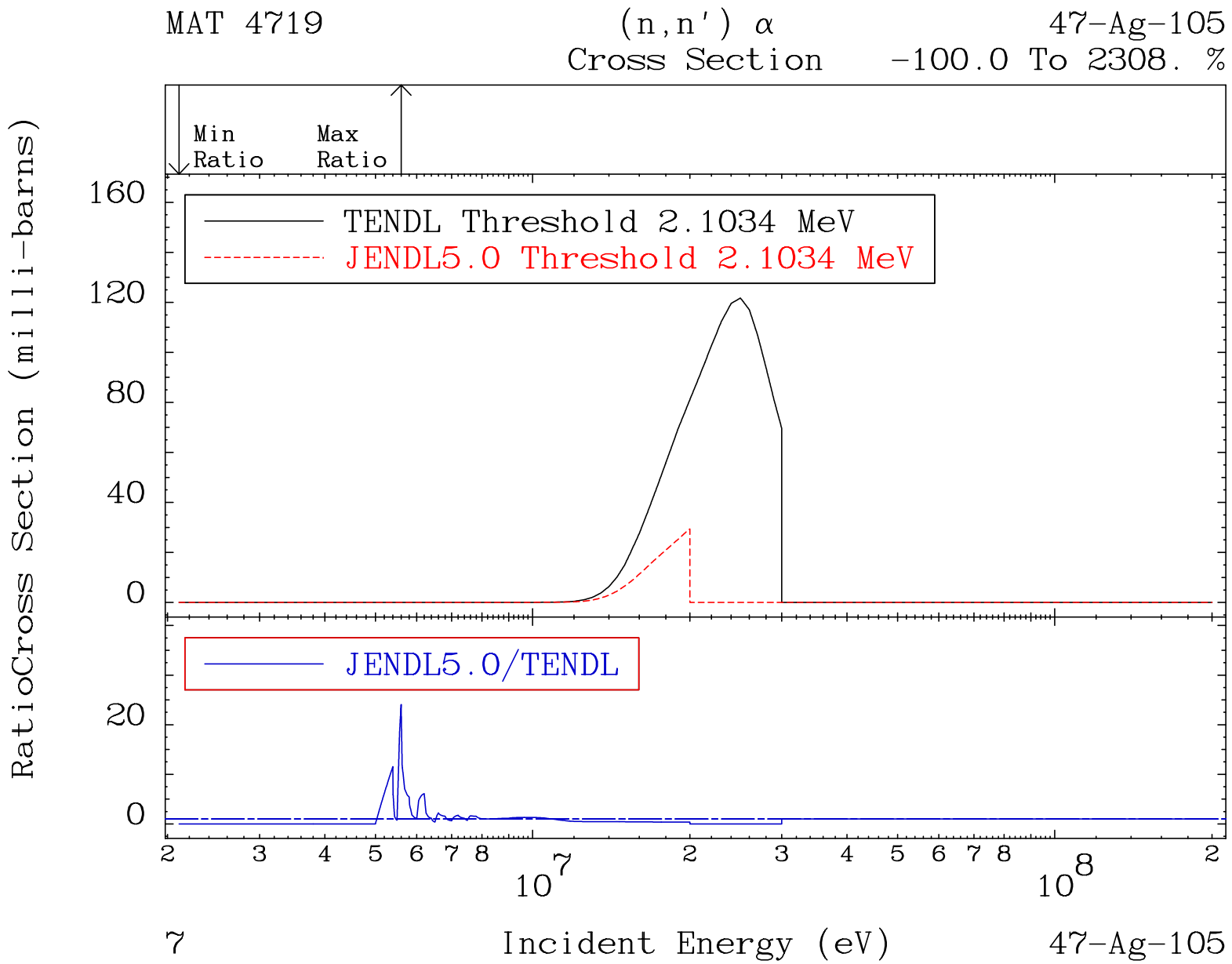

MAT 4719
Elastic
Cross Section
47-Ag-105
-99.41 To 4044. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
2
47-Ag-105

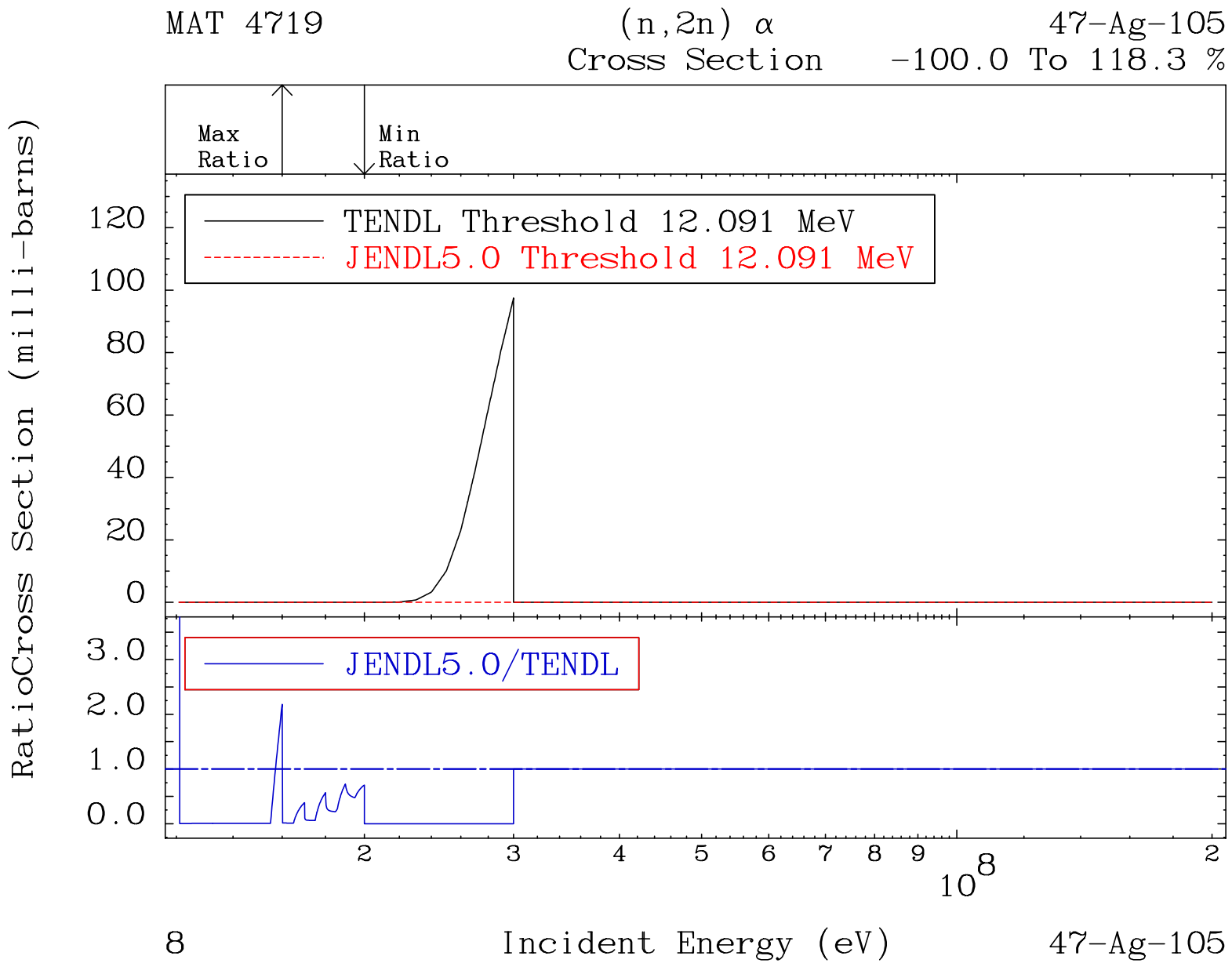

MAT 4719
Inelastic
Cross Section
47-Ag-105
-100.0 To 99.56 %
Max
Ratio
TENDL Threshold 25.713 keV
JENDL5.0 Threshold 25.724 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
47-Ag-105

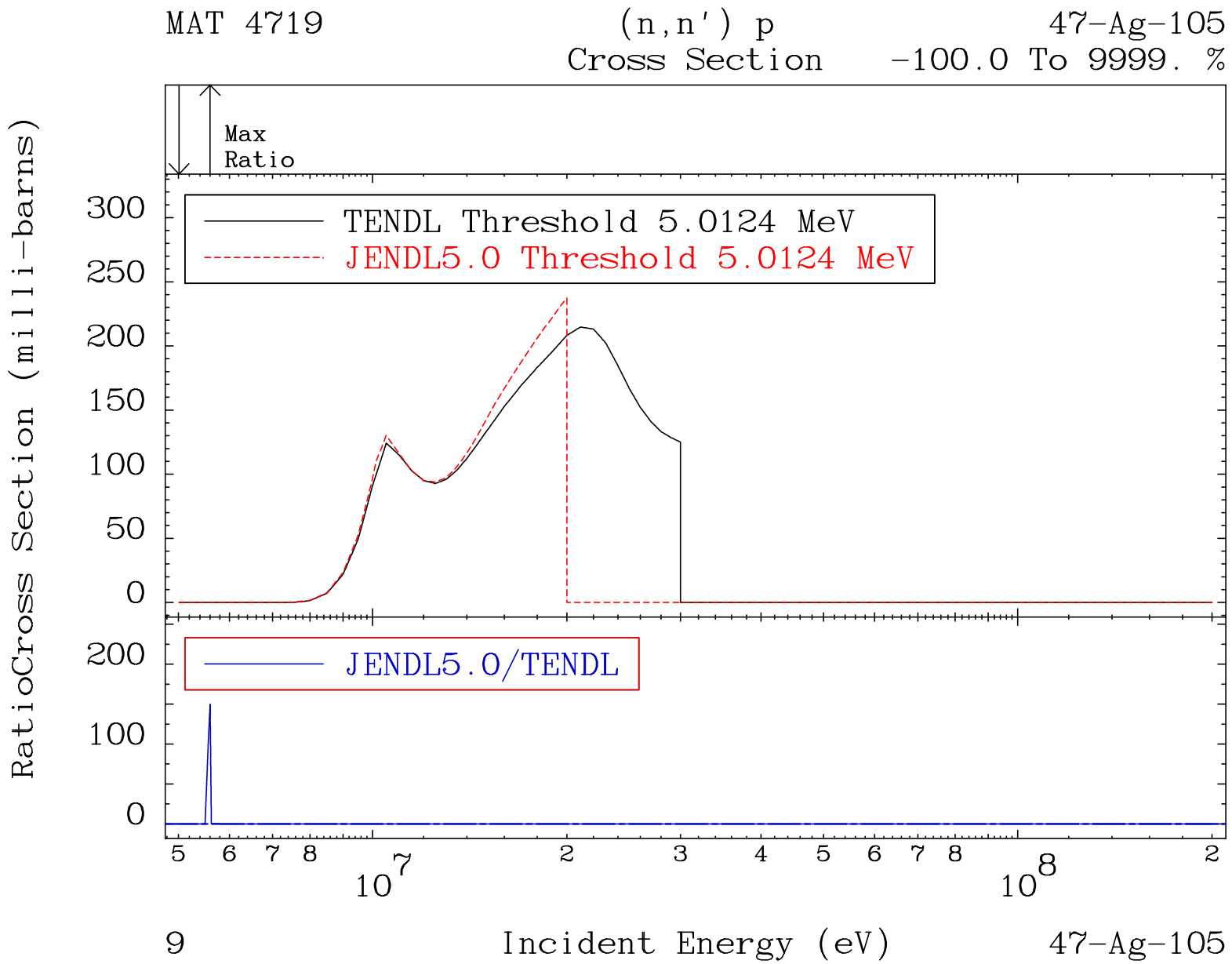

MAT 4719
(n,remainder)
Cross Section
47-Ag-105
0.808 To 3.714 %
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.04
1.02
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
47-Ag-105

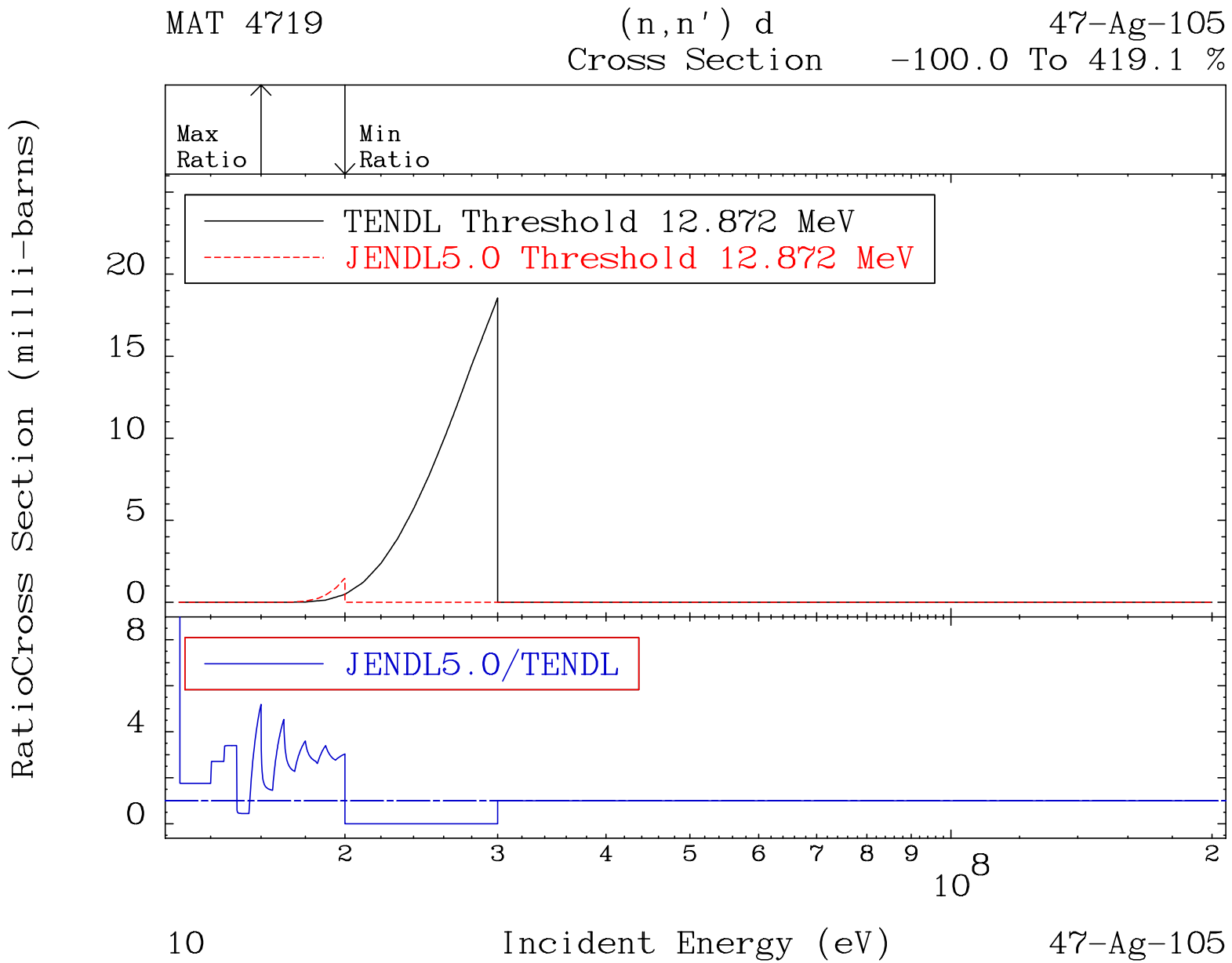

MAT 4719
(n,2n)
Cross Section
47-Ag-105
-100.0 To 12.03 %
Max
Ratio
TENDL Threshold 10.122 MeV
JENDL5.0 Threshold 10.122 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
47-Ag-105

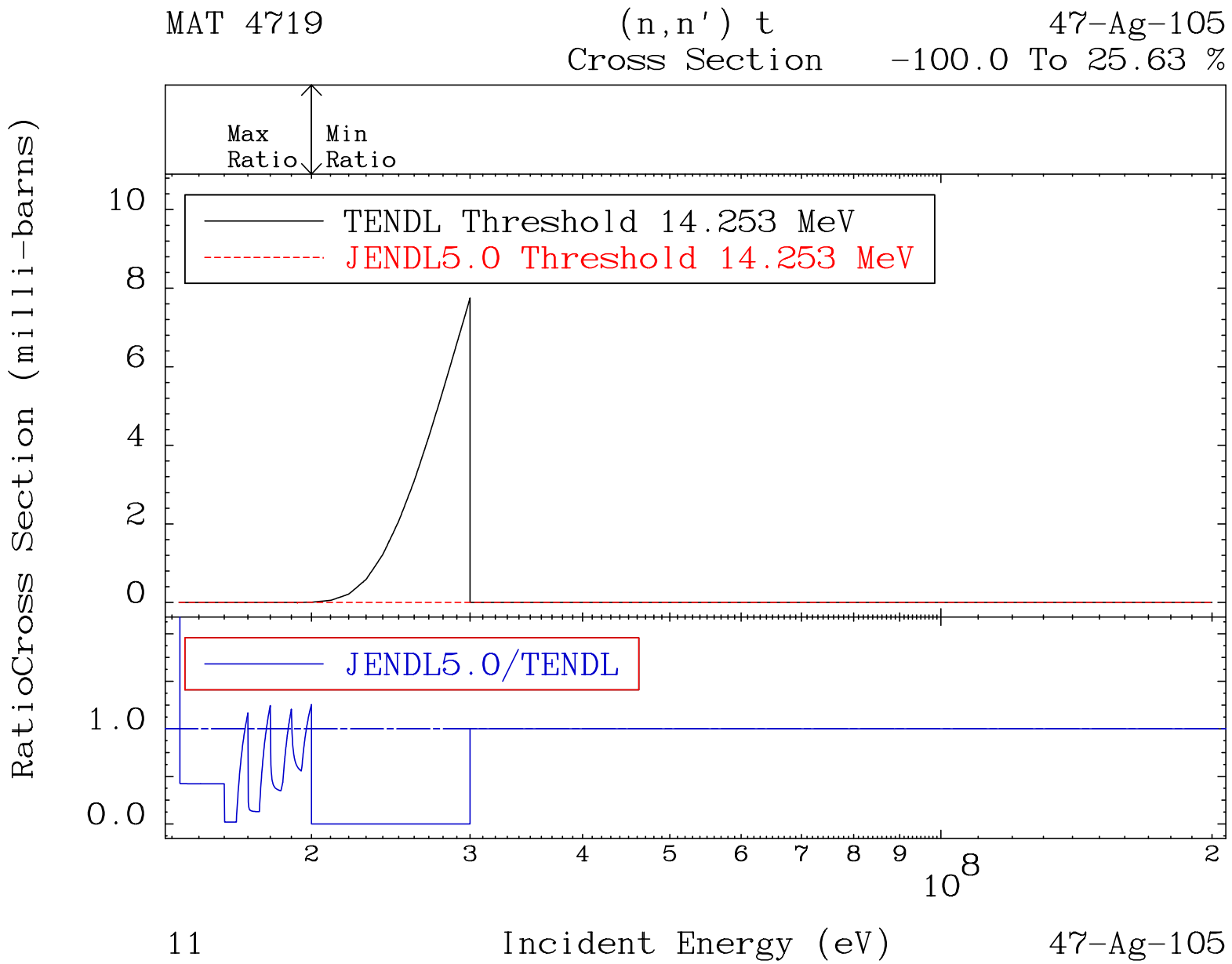

MAT 4719
(n,3n)
Cross Section
47-Ag-105
-100.0 To 8.136 %
Min
Ratio
TENDL Threshold 18.588 MeV
JENDL5.0 Threshold 18.588 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
47-Ag-105

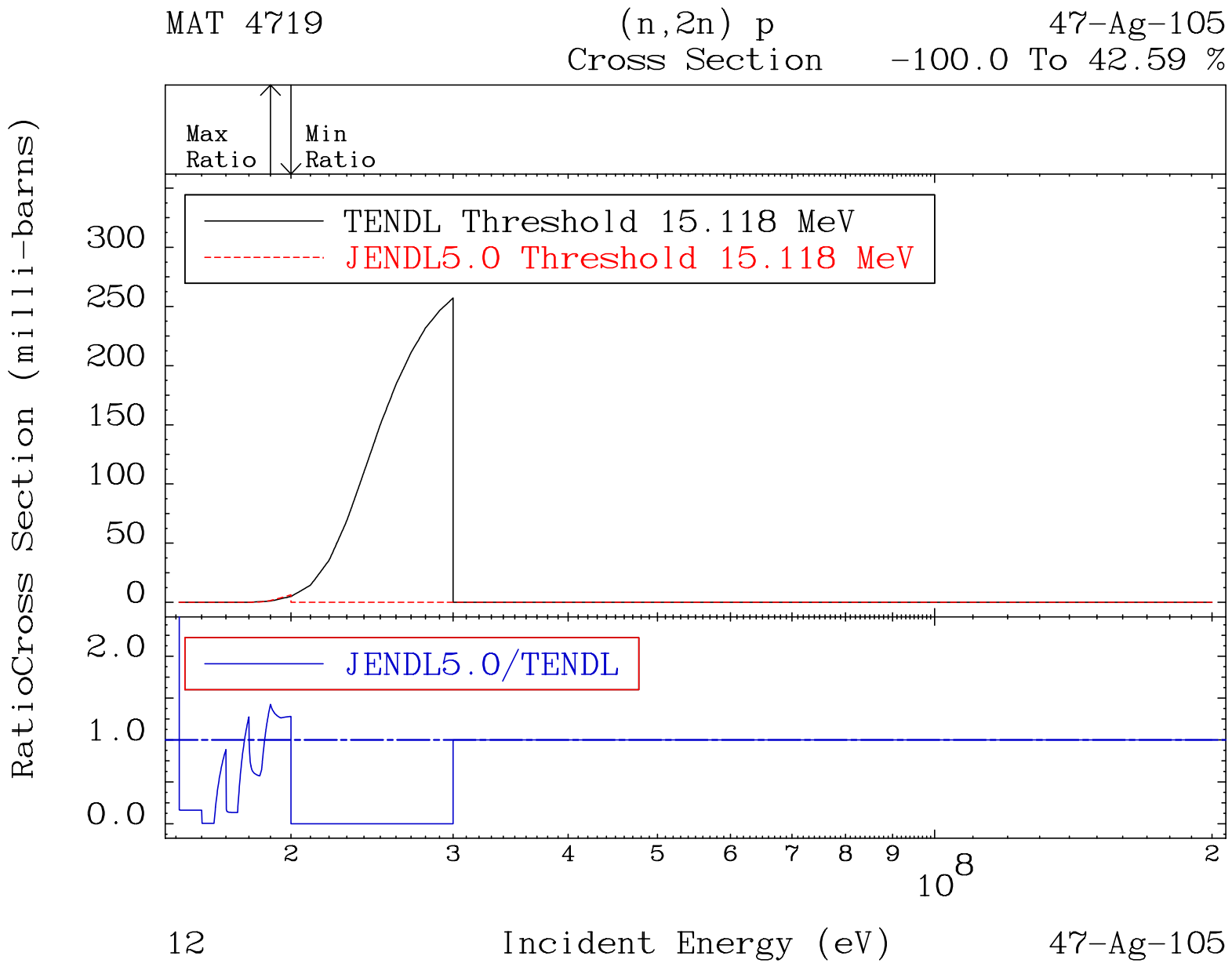

MAT 4719
(n,n') α
Cross Section
47-Ag-105
-100.0 To 2308. %
Min Ratio
Max Ratio
TENDL Threshold 2.1034 MeV
JENDL5.0 Threshold 2.1034 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
20
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
47-Ag-105

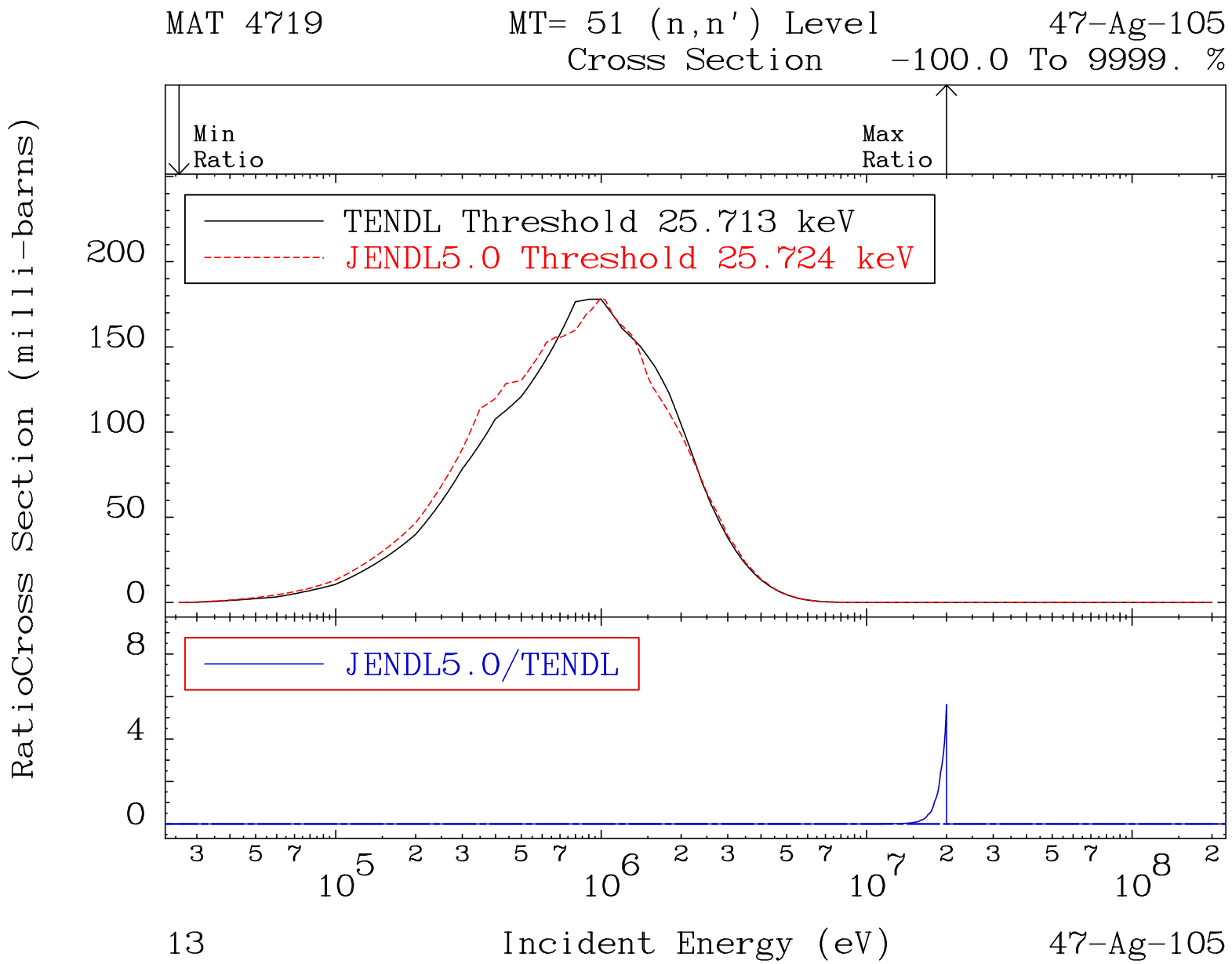

MAT 4719
(n,2n) α
47-Ag-105
Cross Section
-100.0 To 118.3 %
Max Ratio
Min Ratio
TENDL Threshold 12.091 MeV
JENDL5.0 Threshold 12.091 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
8
Incident Energy (eV)
47-Ag-105

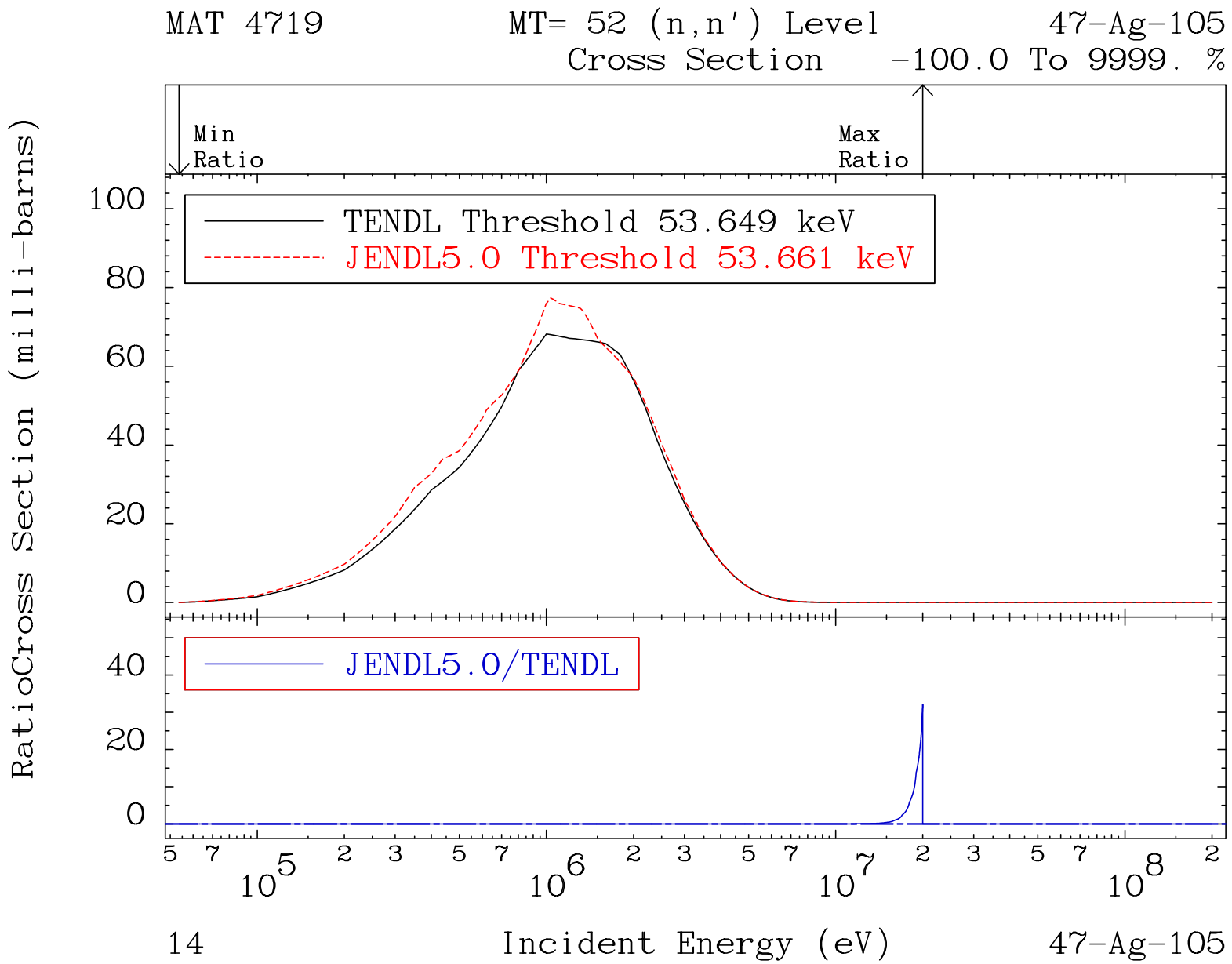

MAT 4719
(n,n') p
Cross Section
47-Ag-105
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.0124 MeV
JENDL5.0 Threshold 5.0124 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
200
100
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
9
47-Ag-105

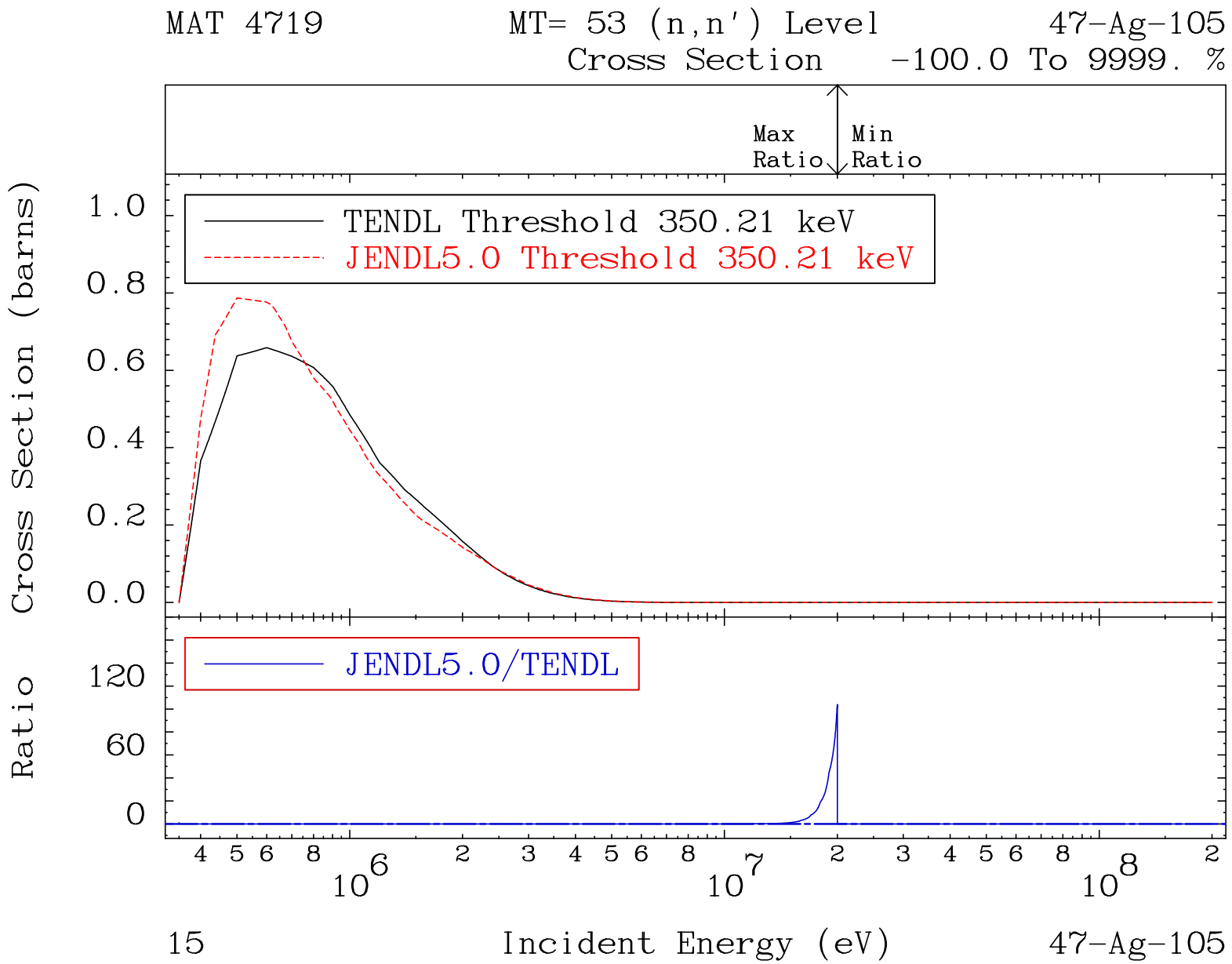

MAT 4719
(n,n') d
Cross Section
47-Ag-105
-100.0 To 419.1 %
Max Ratio
Min Ratio
TENDL Threshold 12.872 MeV
JENDL5.0 Threshold 12.872 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
47-Ag-105

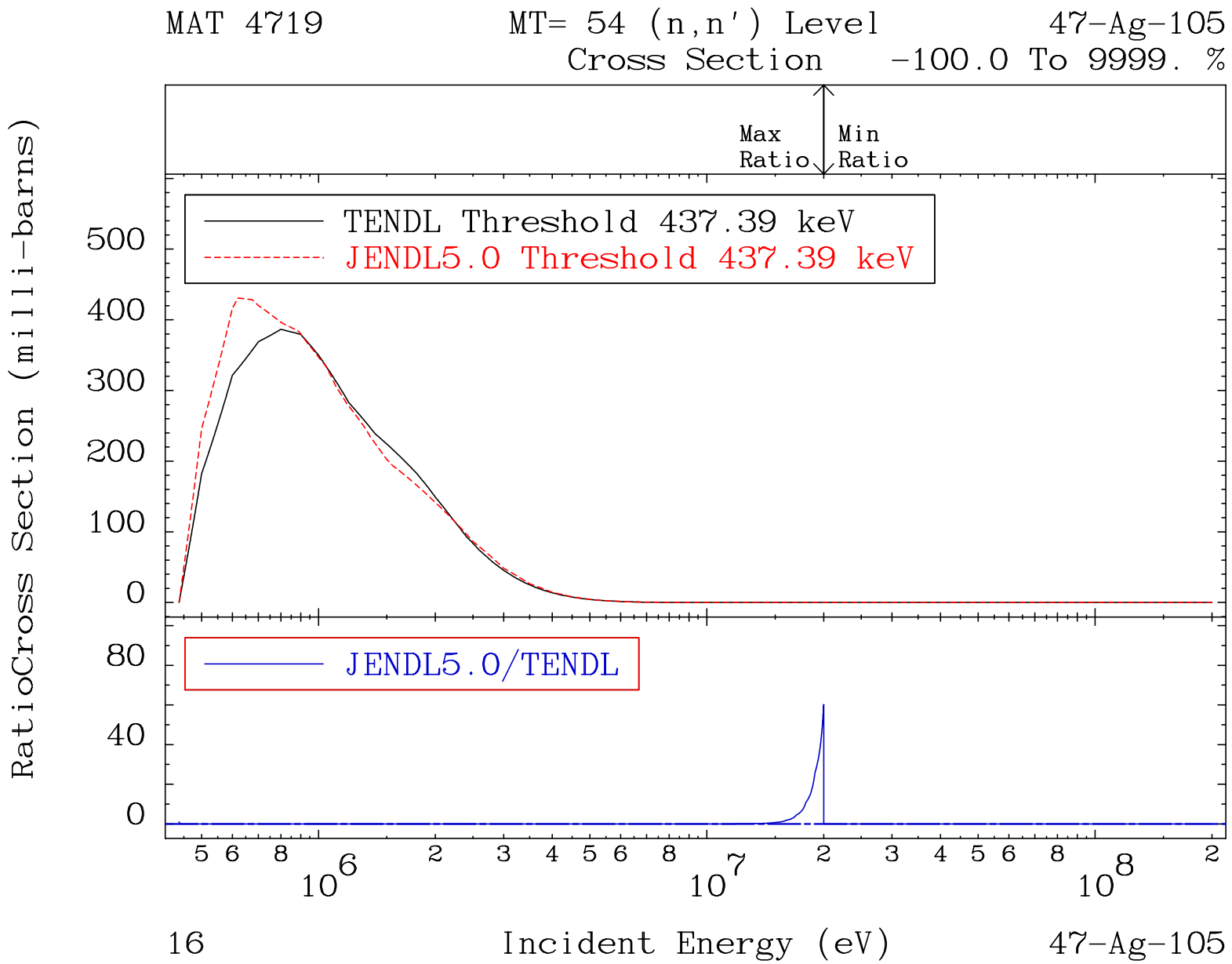

MAT 4719
(n,n') t
Cross Section
47-Ag-105
-100.0 To 25.63 %
Max Ratio
Min Ratio
TENDL Threshold 14.253 MeV
JENDL5.0 Threshold 14.253 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
47-Ag-105

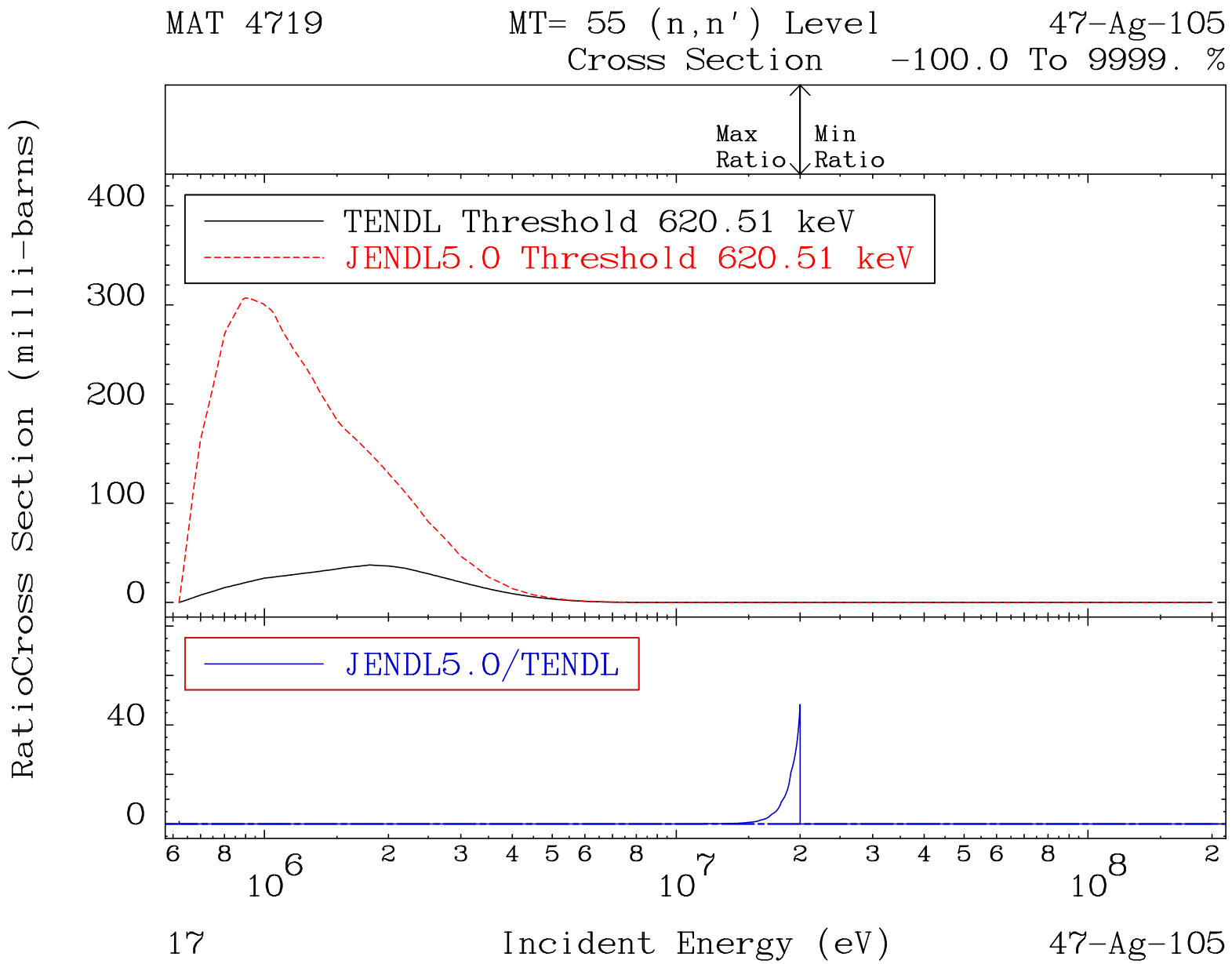

MAT 4719
(n,2n) p
Cross Section
47-Ag-105
-100.0 To 42.59 %
Max Ratio
Min Ratio
TENDL Threshold 15.118 MeV
JENDL5.0 Threshold 15.118 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
47-Ag-105

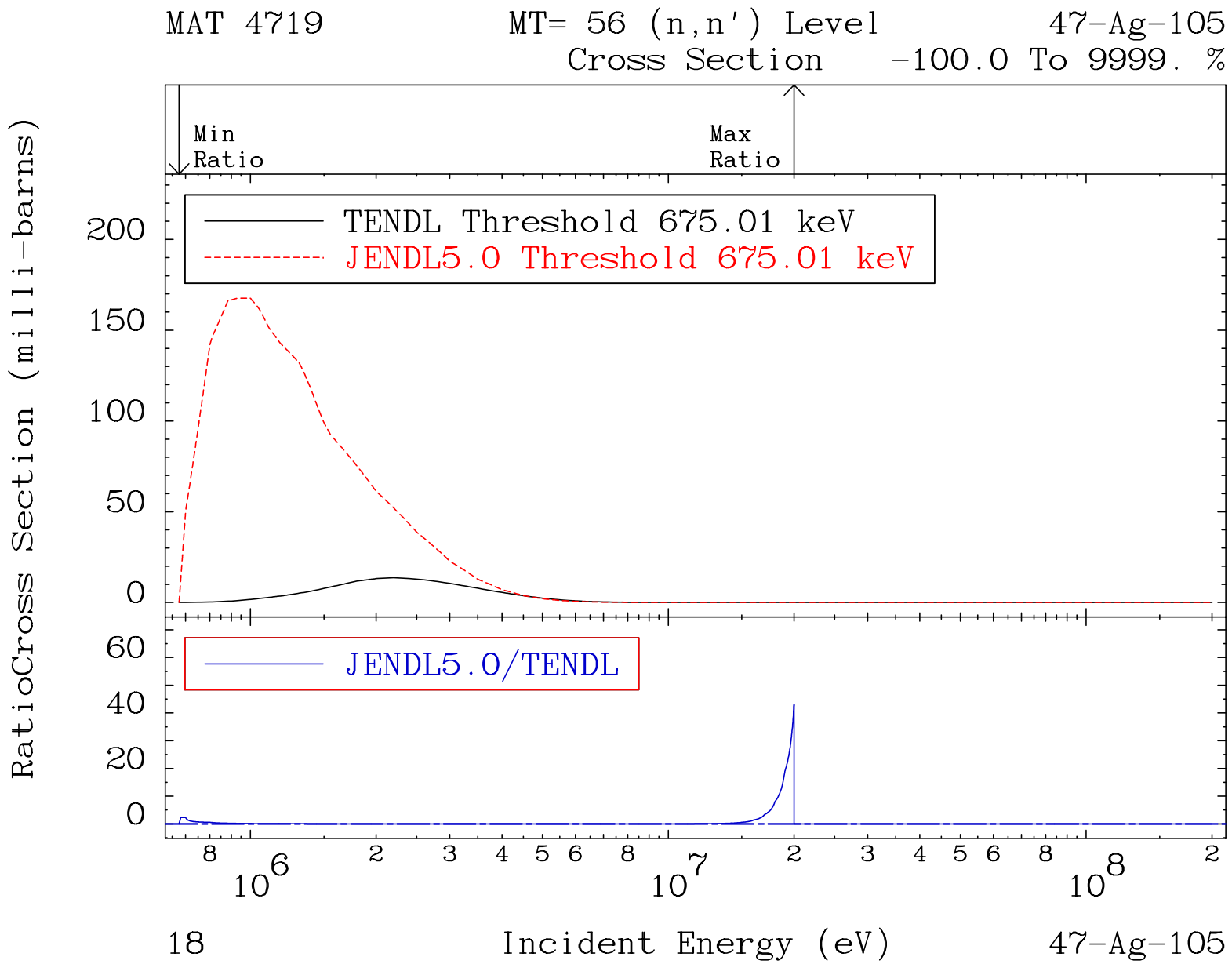

MAT 4719
MT= 51 (n,n') Level
47-Ag-105
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 25.713 keV
JENDL5.0 Threshold 25.724 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
8
4
0
3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
13
Incident Energy (eV)
47-Ag-105

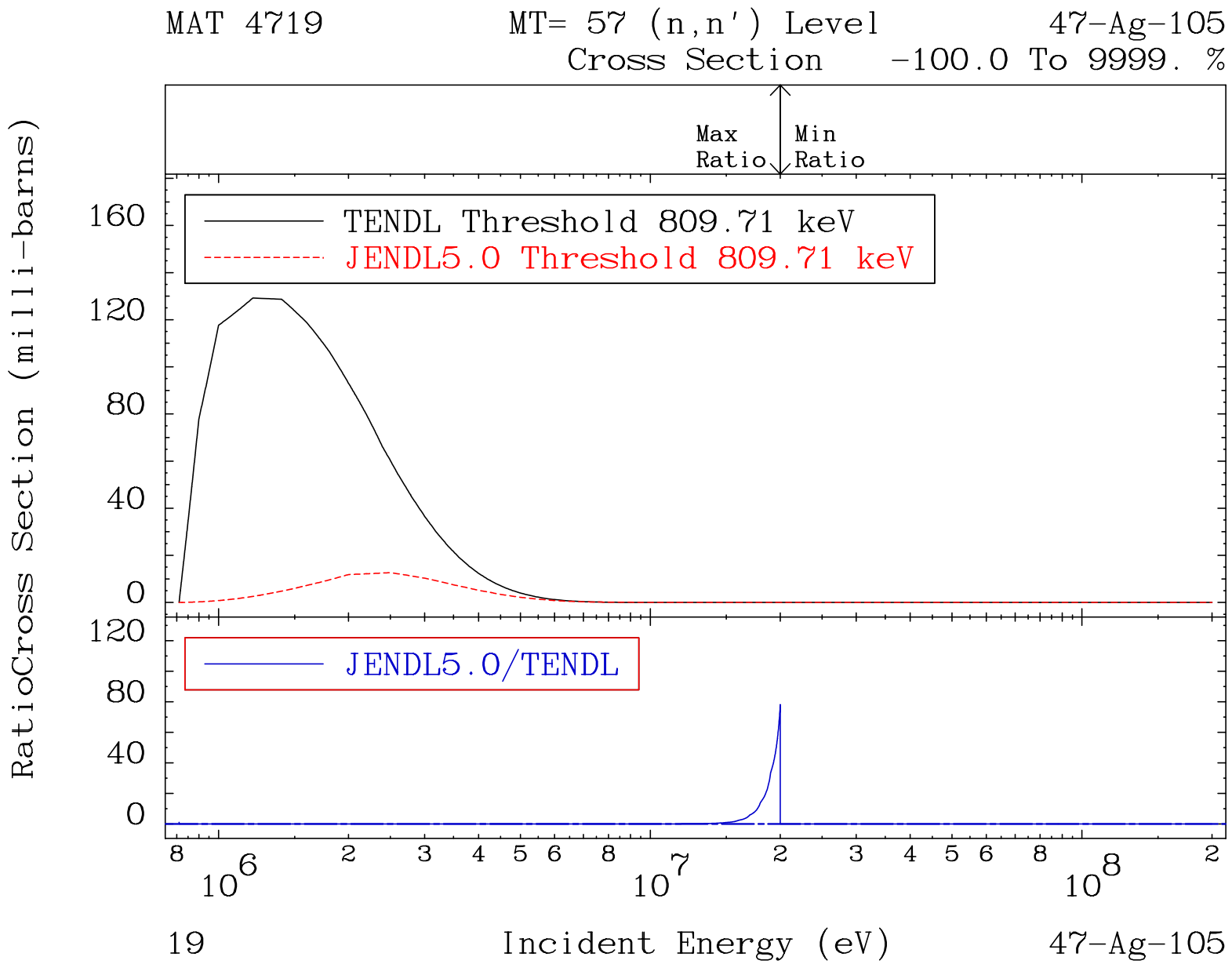

MAT 4719
MT= 52 (n,n') Level
47-Ag-105
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 53.649 keV
JENDL5.0 Threshold 53.661 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
47-Ag-105

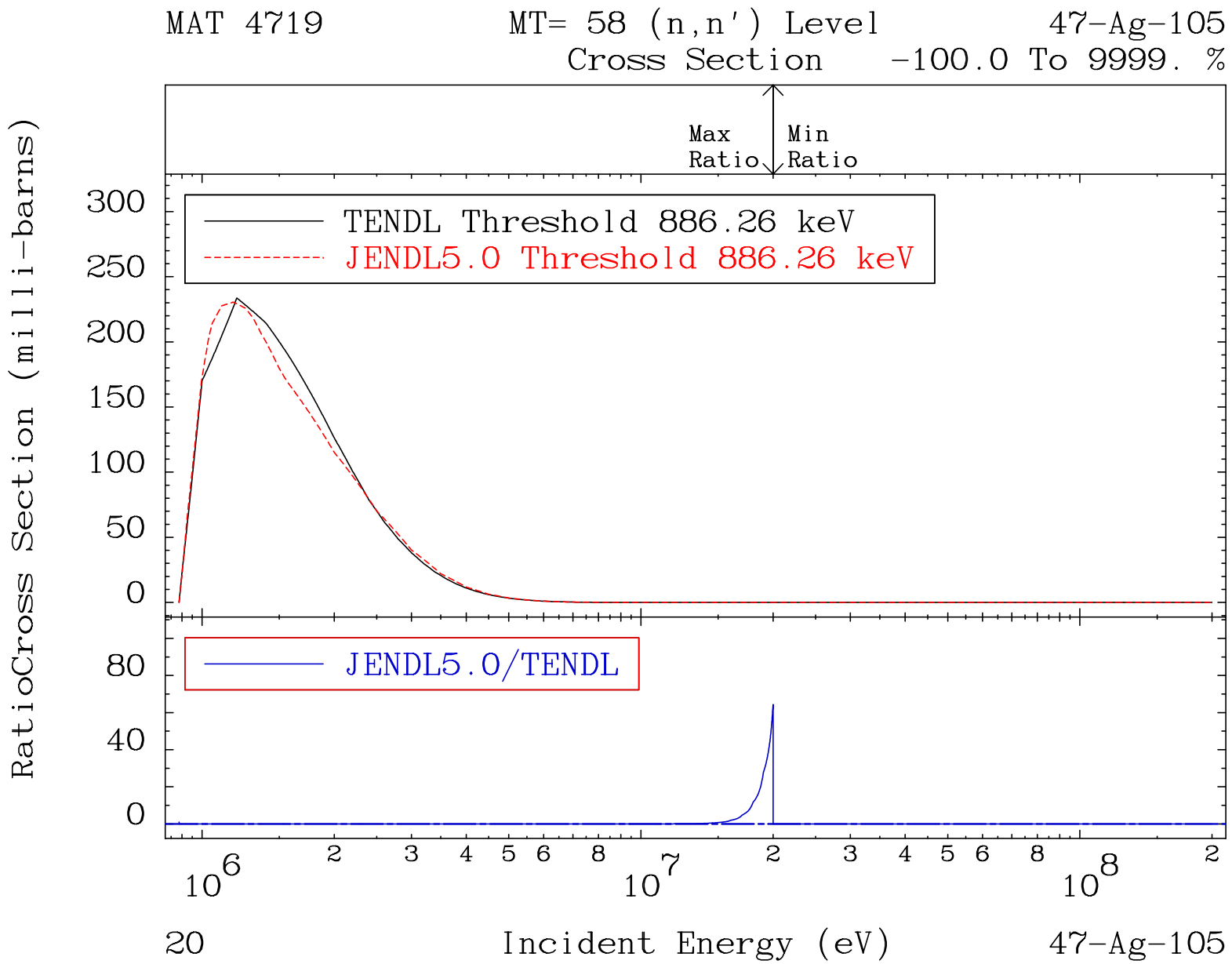

MAT 4719
MT= 53 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 350.21 keV
JENDL5.0 Threshold 350.21 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
120
60
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
47-Ag-105

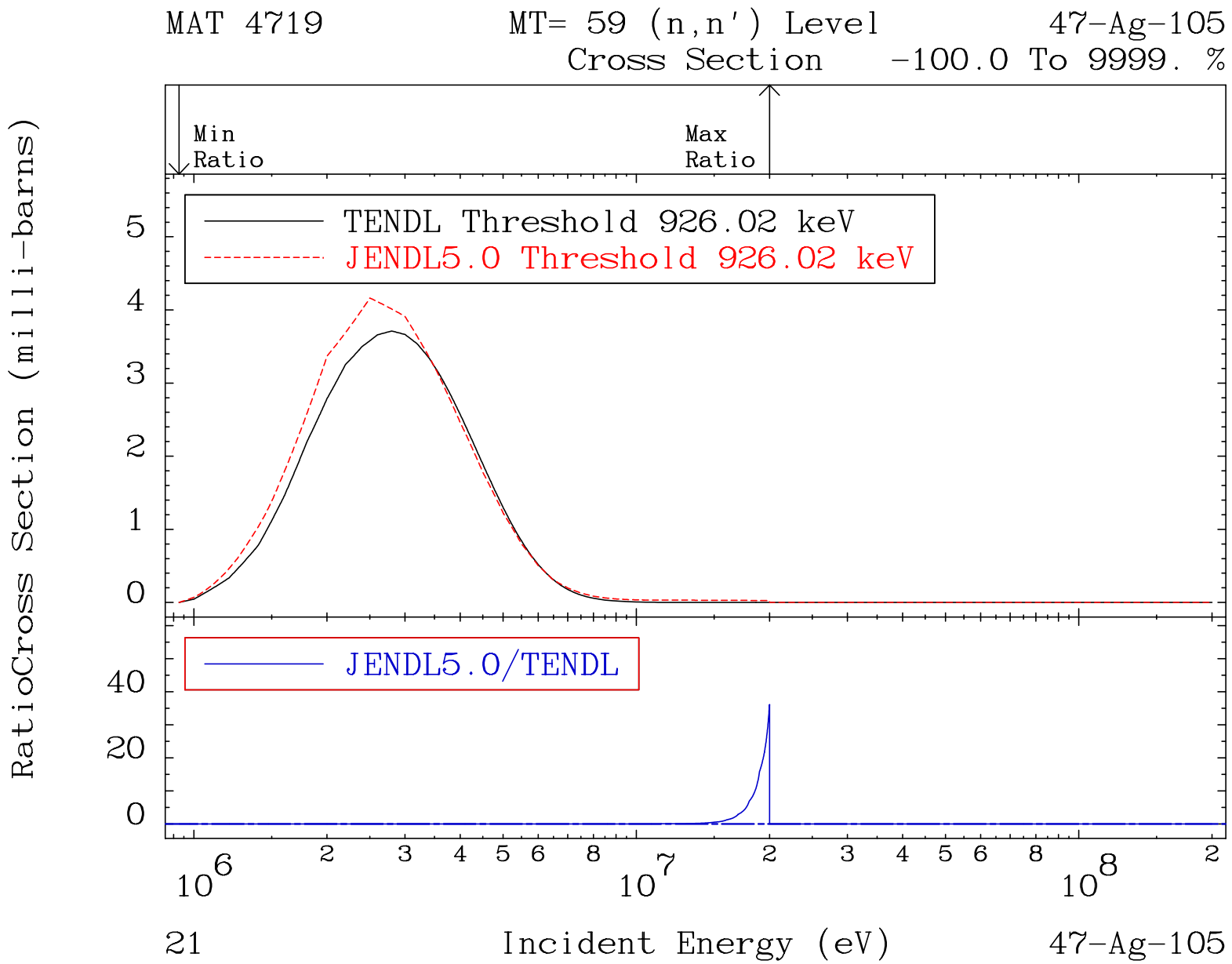

MAT 4719
MT= 54 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 437.39 keV
JENDL5.0 Threshold 437.39 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
80
40
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
47-Ag-105

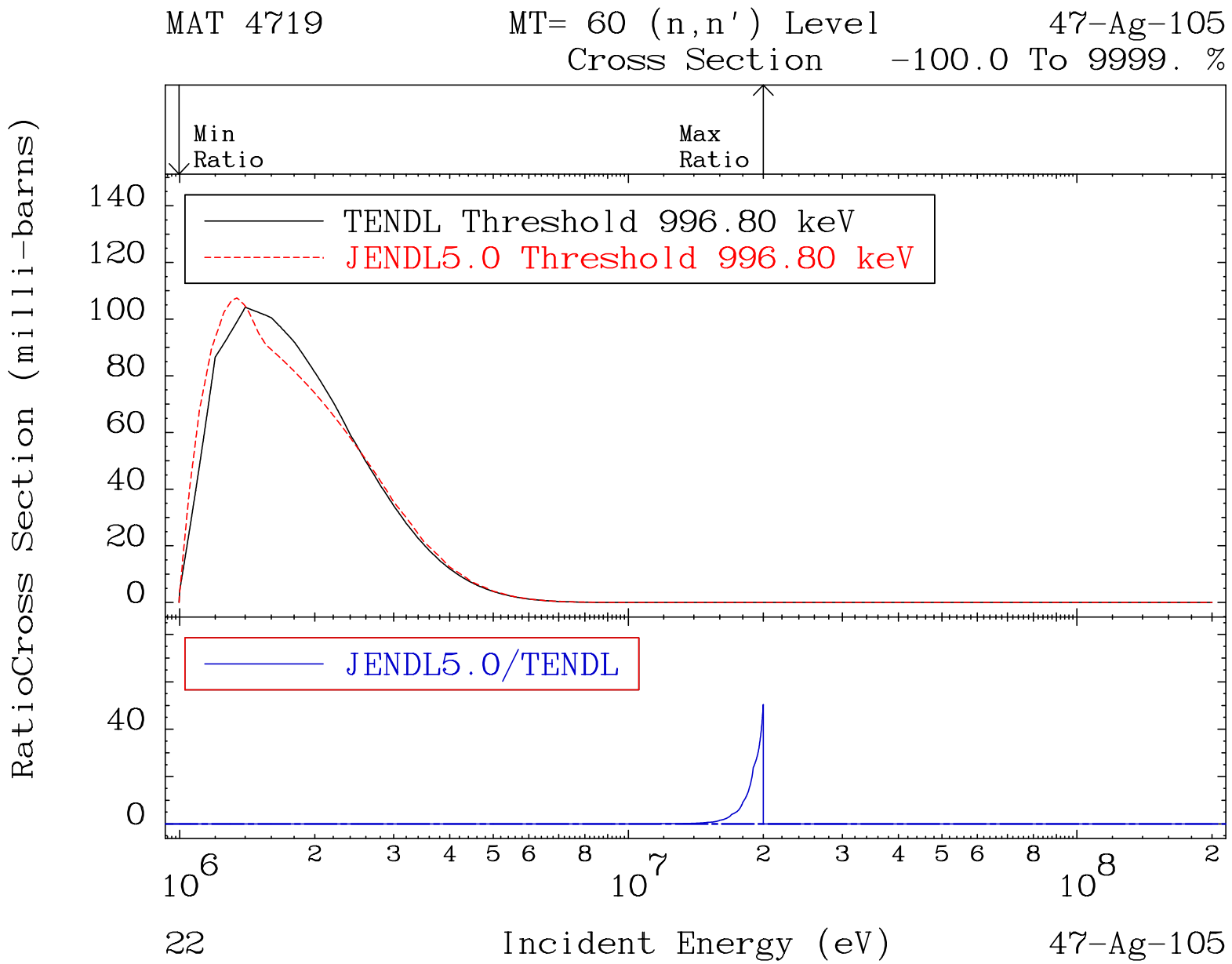

MAT 4719
MT= 55 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 620.51 keV
JENDL5.0 Threshold 620.51 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
40
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
47-Ag-105

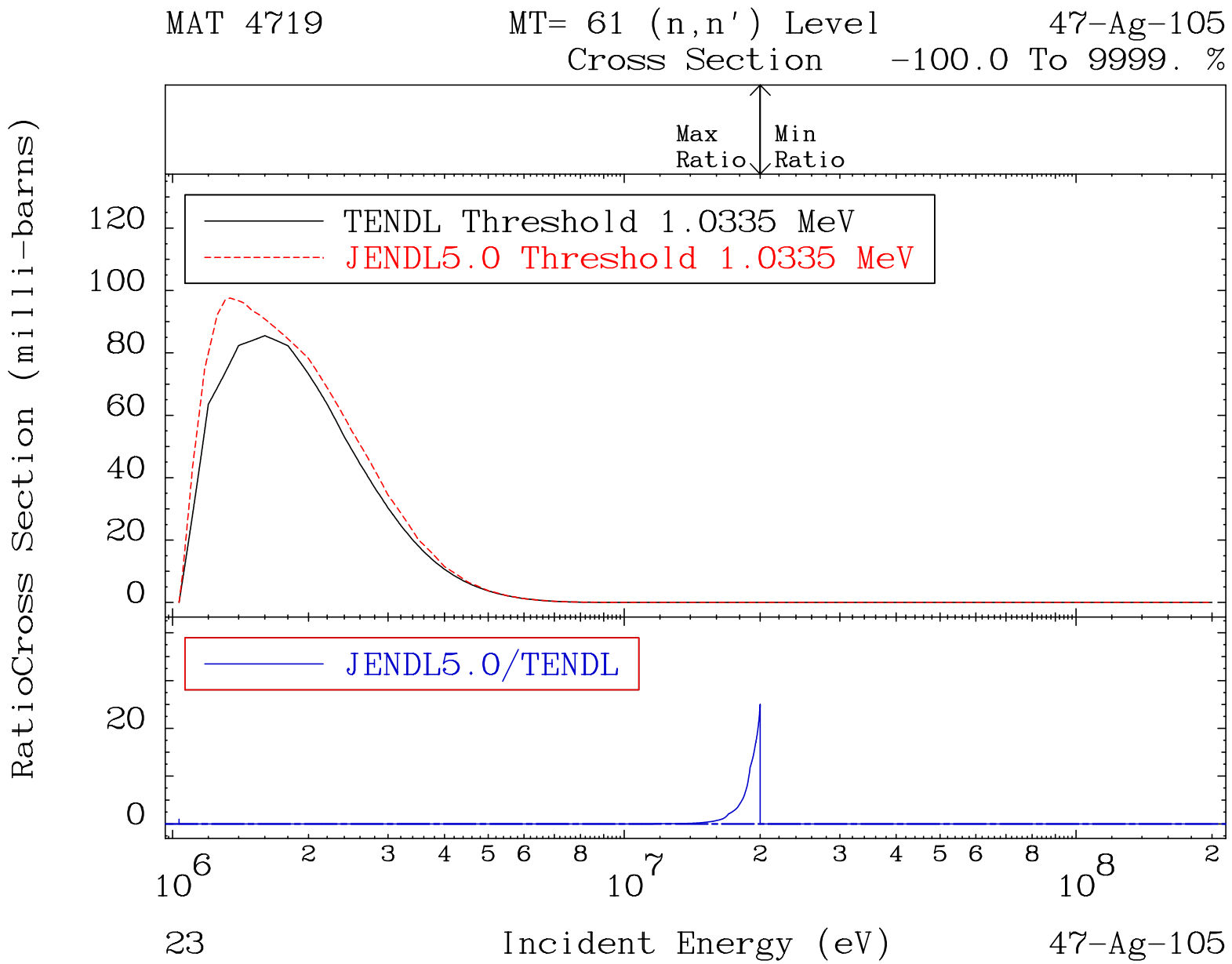

MAT 4719
MT= 56 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 675.01 keV
JENDL5.0 Threshold 675.01 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
60
40
20
0
8
2
3
4
5
6
8
10^6
10^7
10^8
18
Incident Energy (eV)
47-Ag-105

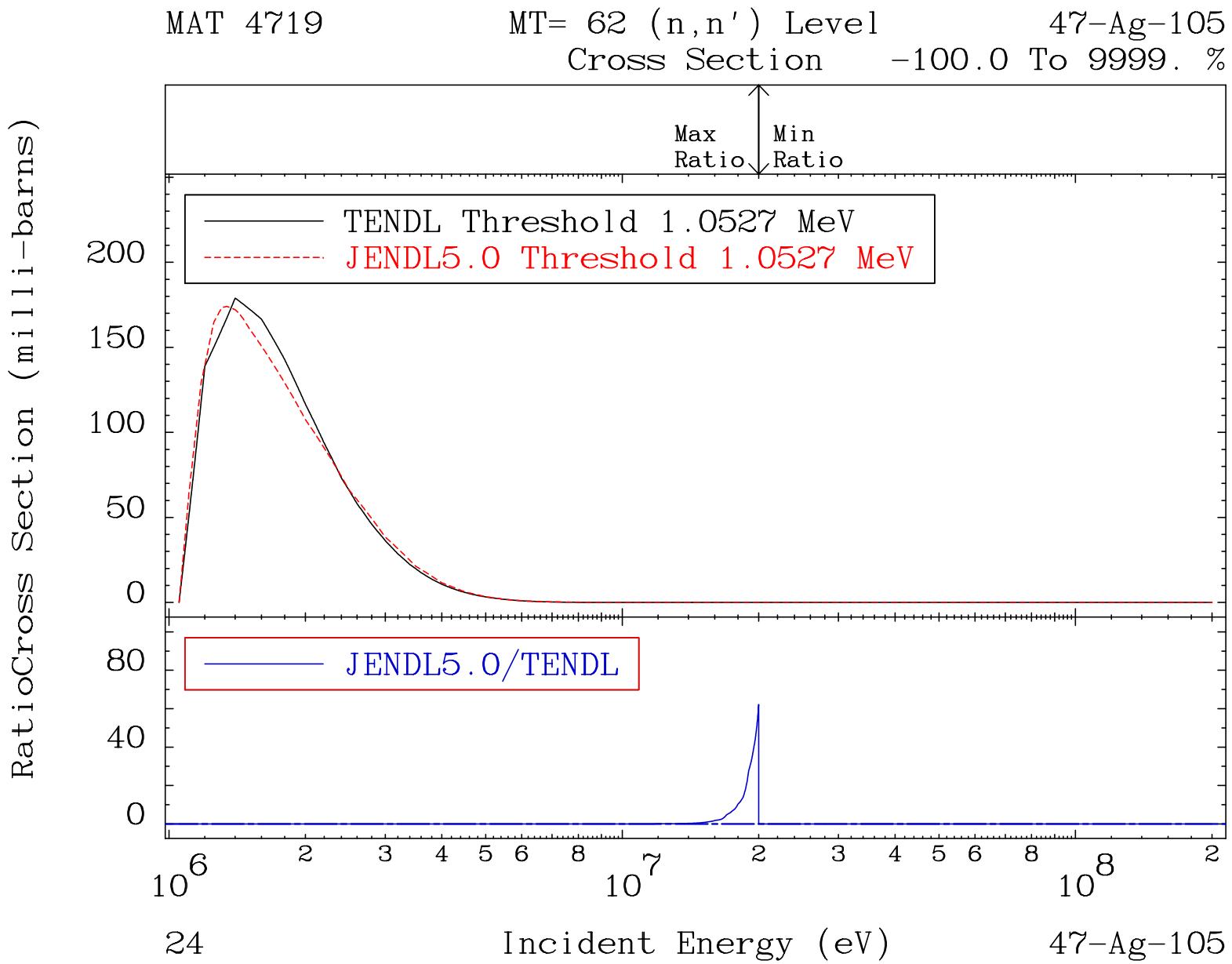

MAT 4719
MT= 57 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 809.71 keV
JENDL5.0 Threshold 809.71 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
120
80
40
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
19
Incident Energy (eV)
47-Ag-105

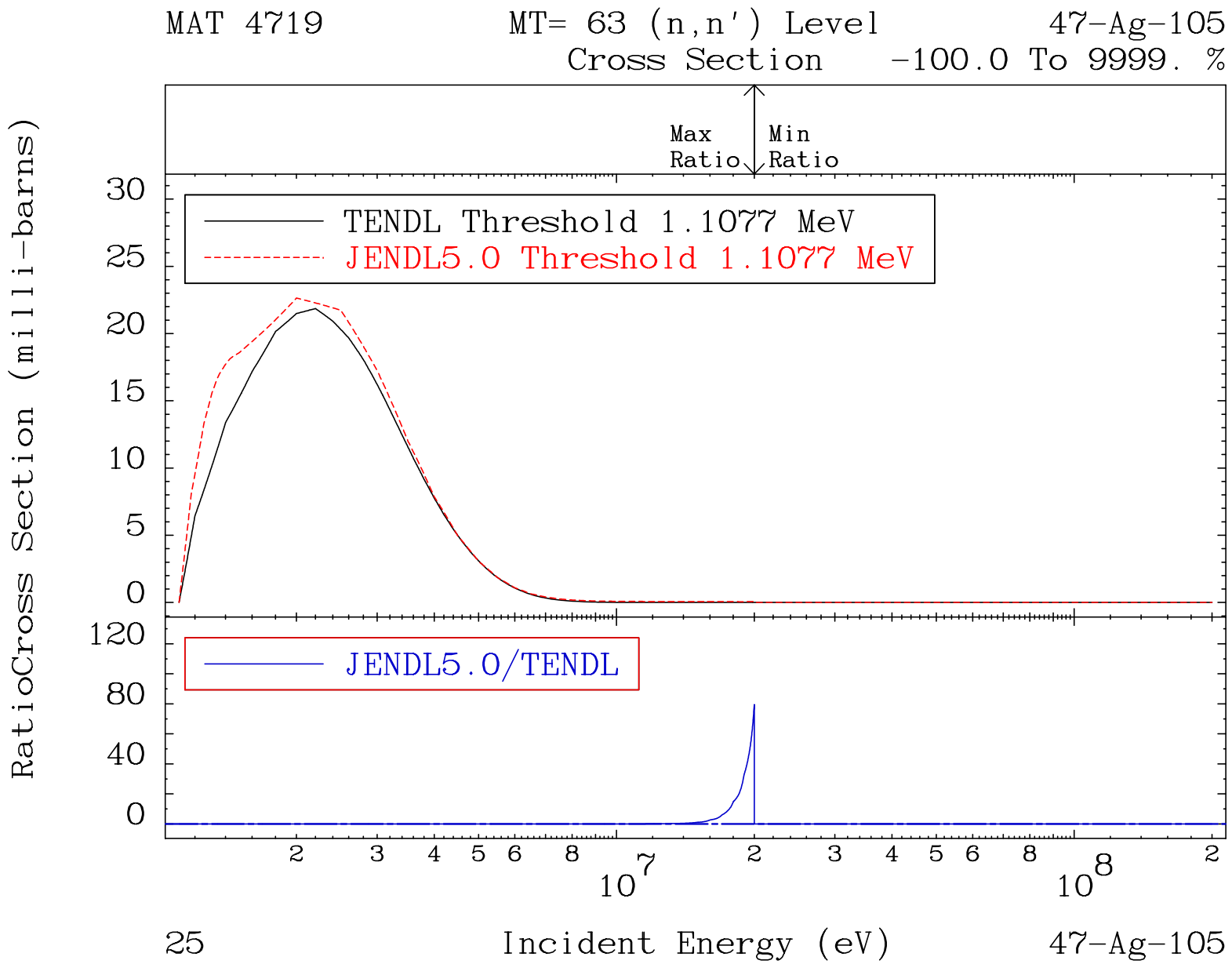

MAT 4719
MT= 58 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 886.26 keV
JENDL5.0 Threshold 886.26 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
80
40
0
$10^6$
$10^7$
$10^8$
2 3 4 5 6 8
20
Incident Energy (eV)
47-Ag-105

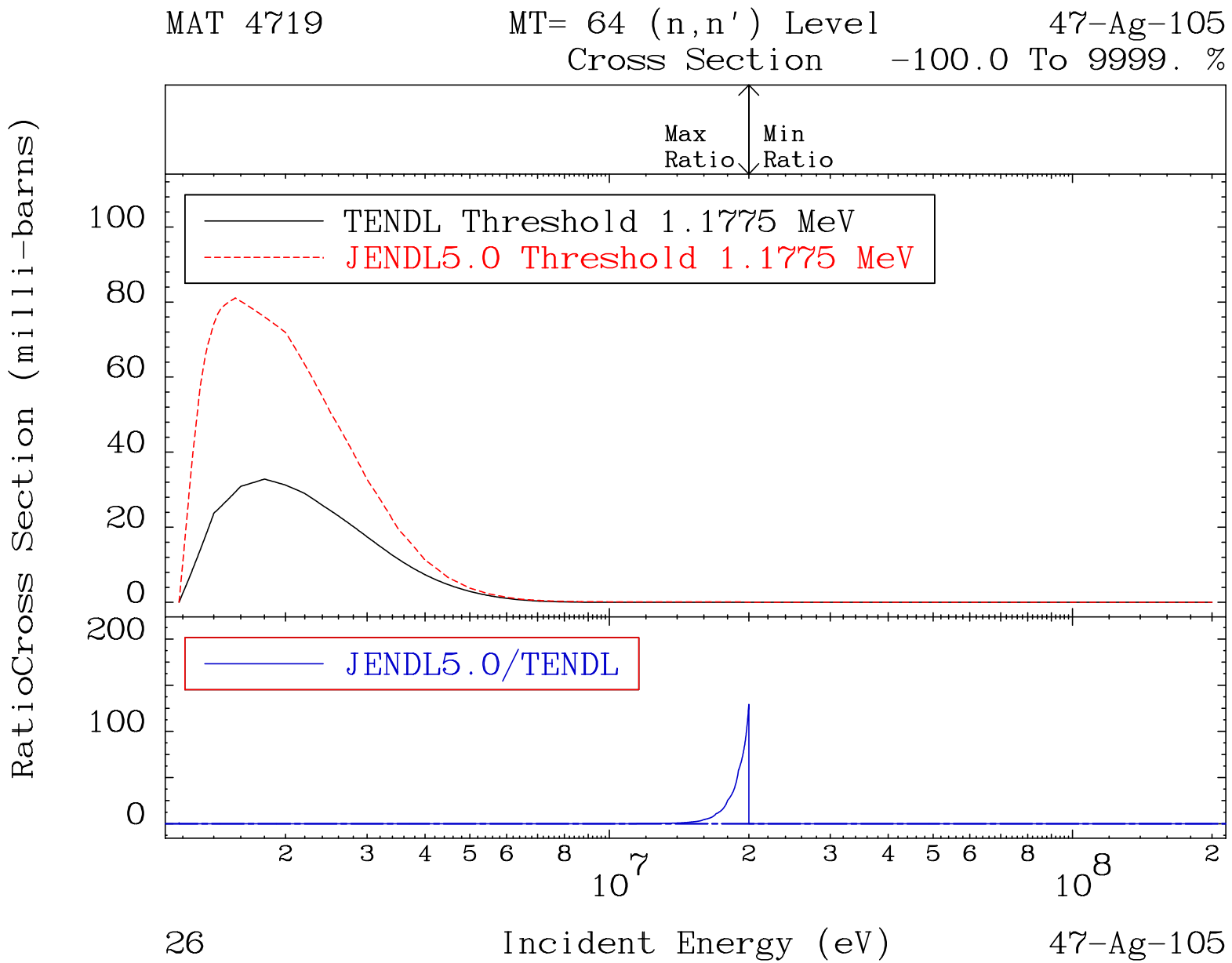

MAT 4719
MT= 59 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 926.02 keV
JENDL5.0 Threshold 926.02 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
21
47-Ag-105

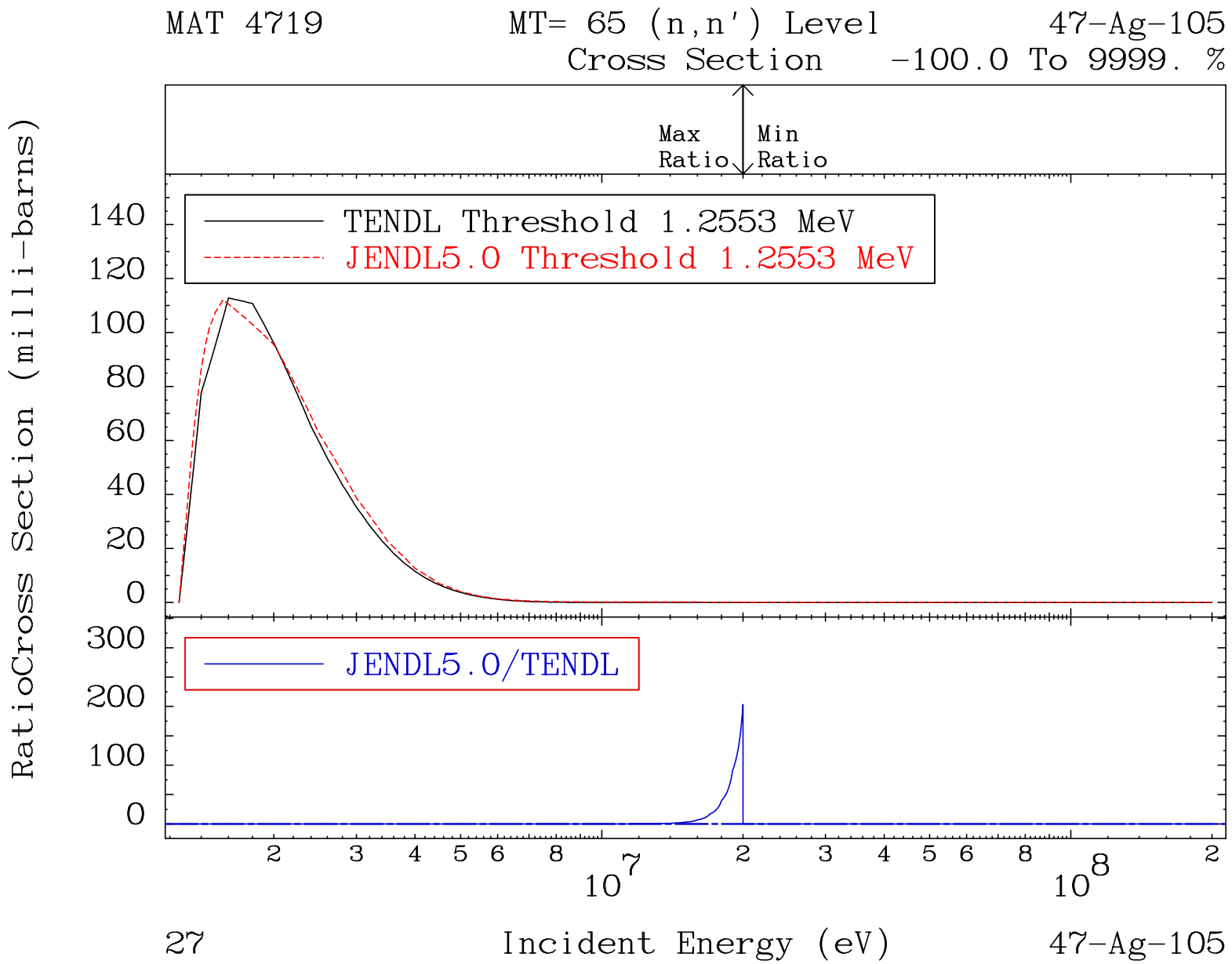

MAT 4719
MT= 60 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 996.80 keV
JENDL5.0 Threshold 996.80 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
40
0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
22
Incident Energy (eV)
47-Ag-105

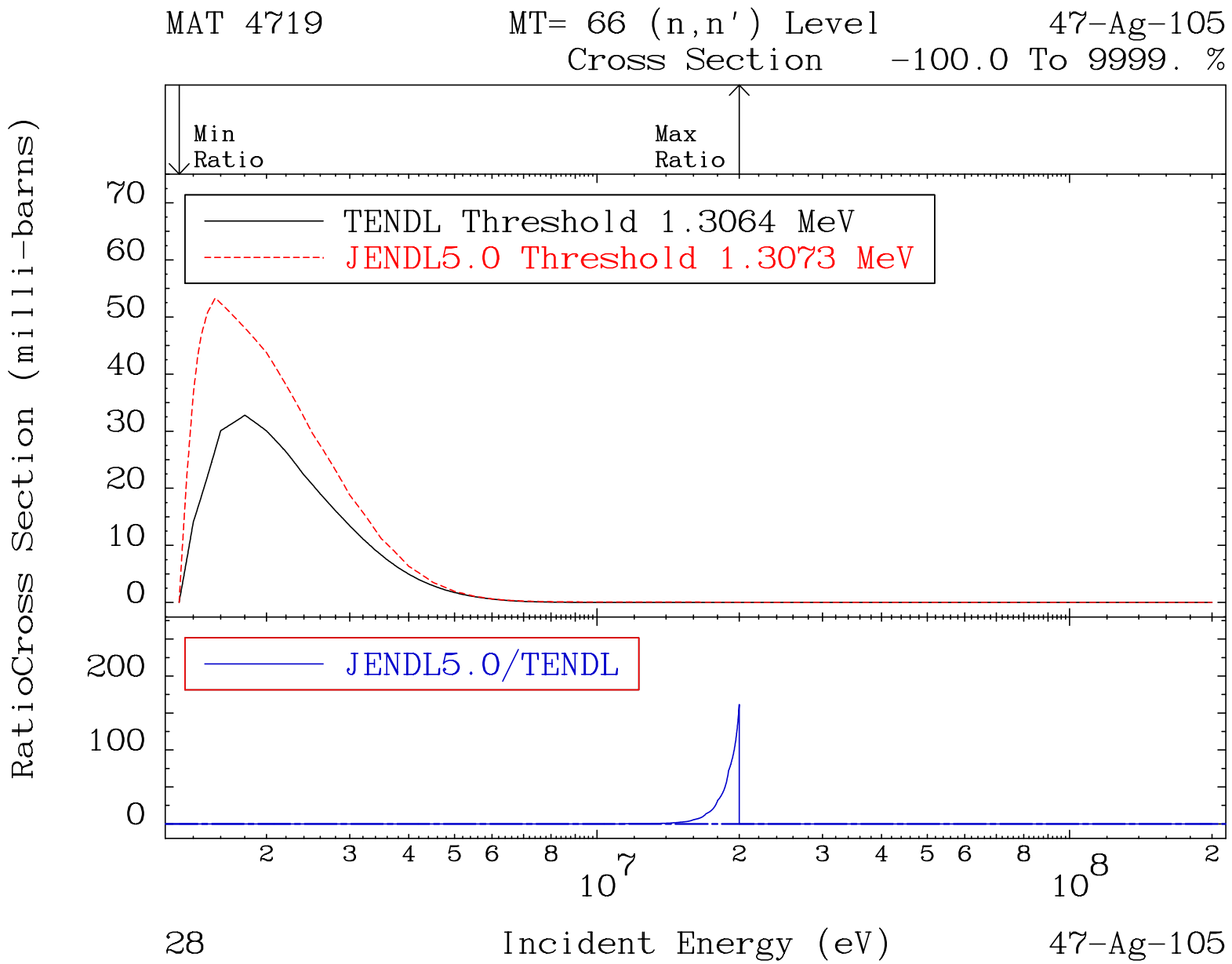

MAT 4719
MT= 61 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0335 MeV
JENDL5.0 Threshold 1.0335 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
20
0
$10^6$
$10^7$
$10^8$
2 3 4 5 6 8
23
Incident Energy (eV)
47-Ag-105

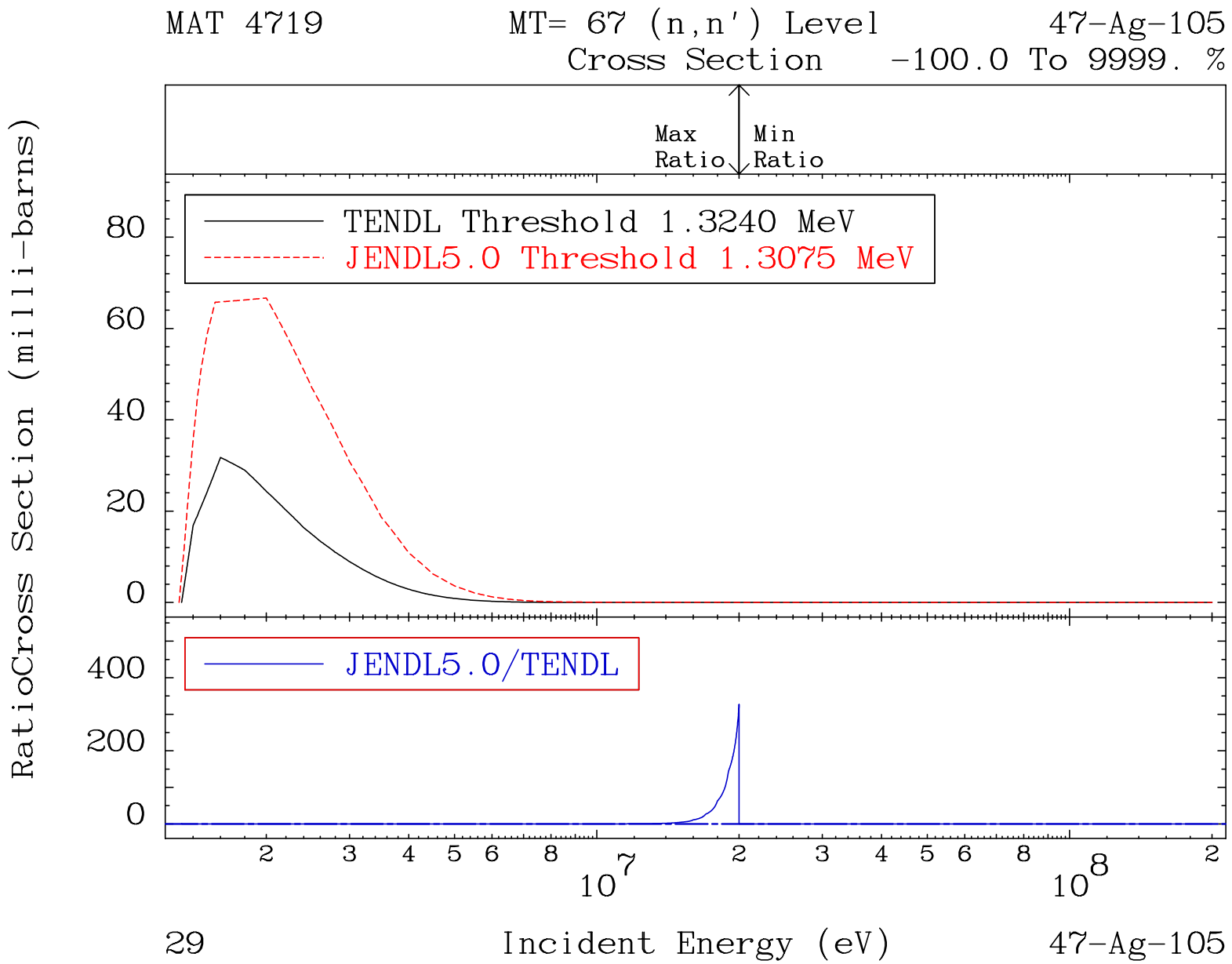

MAT 4719
MT= 62 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0527 MeV
JENDL5.0 Threshold 1.0527 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
80
40
0
$10^6$
$10^7$
$10^8$
2 3 4 5 6 8
Incident Energy (eV)
24
47-Ag-105

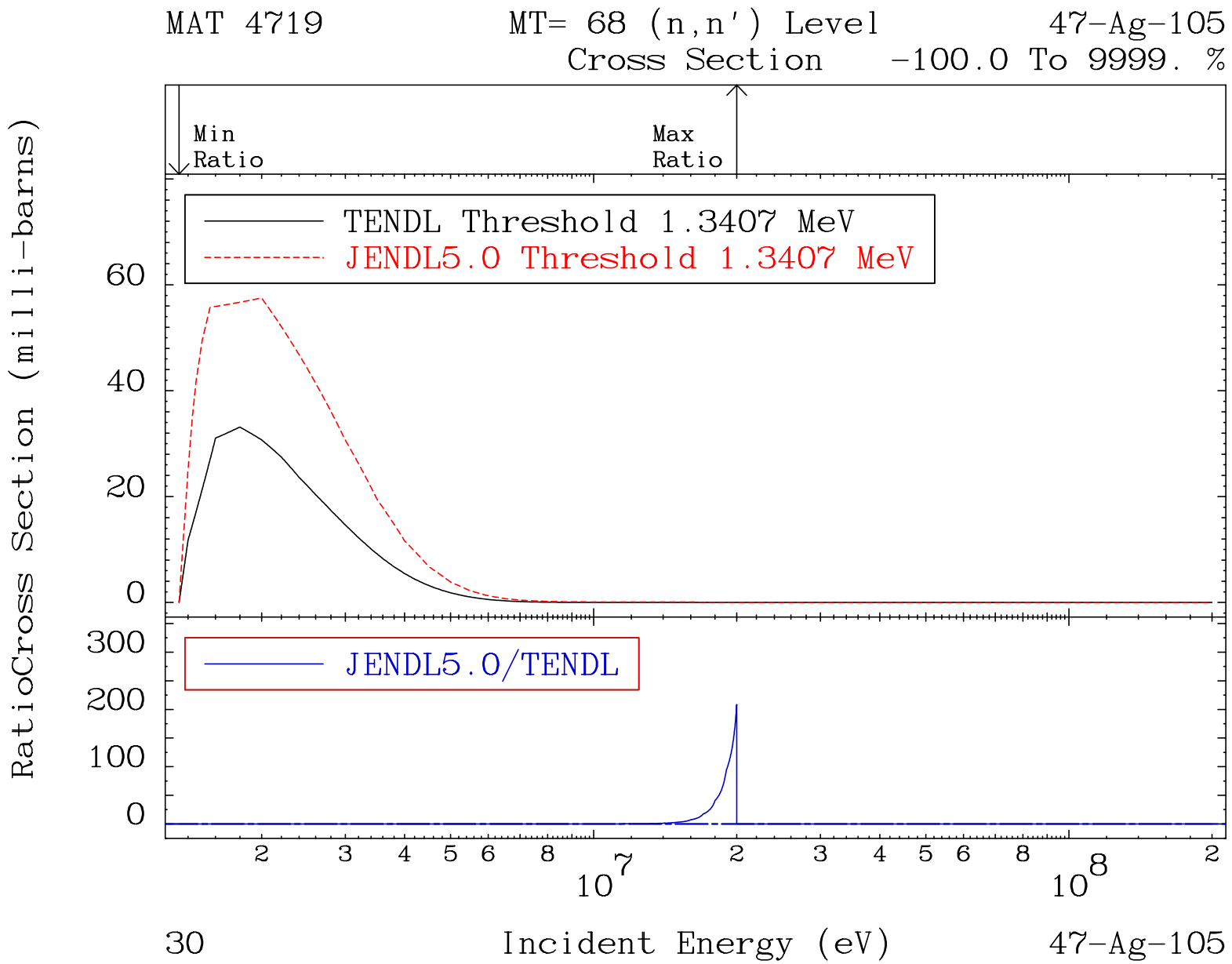

MAT 4719
MT= 63 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1077 MeV
JENDL5.0 Threshold 1.1077 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
120
80
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
47-Ag-105

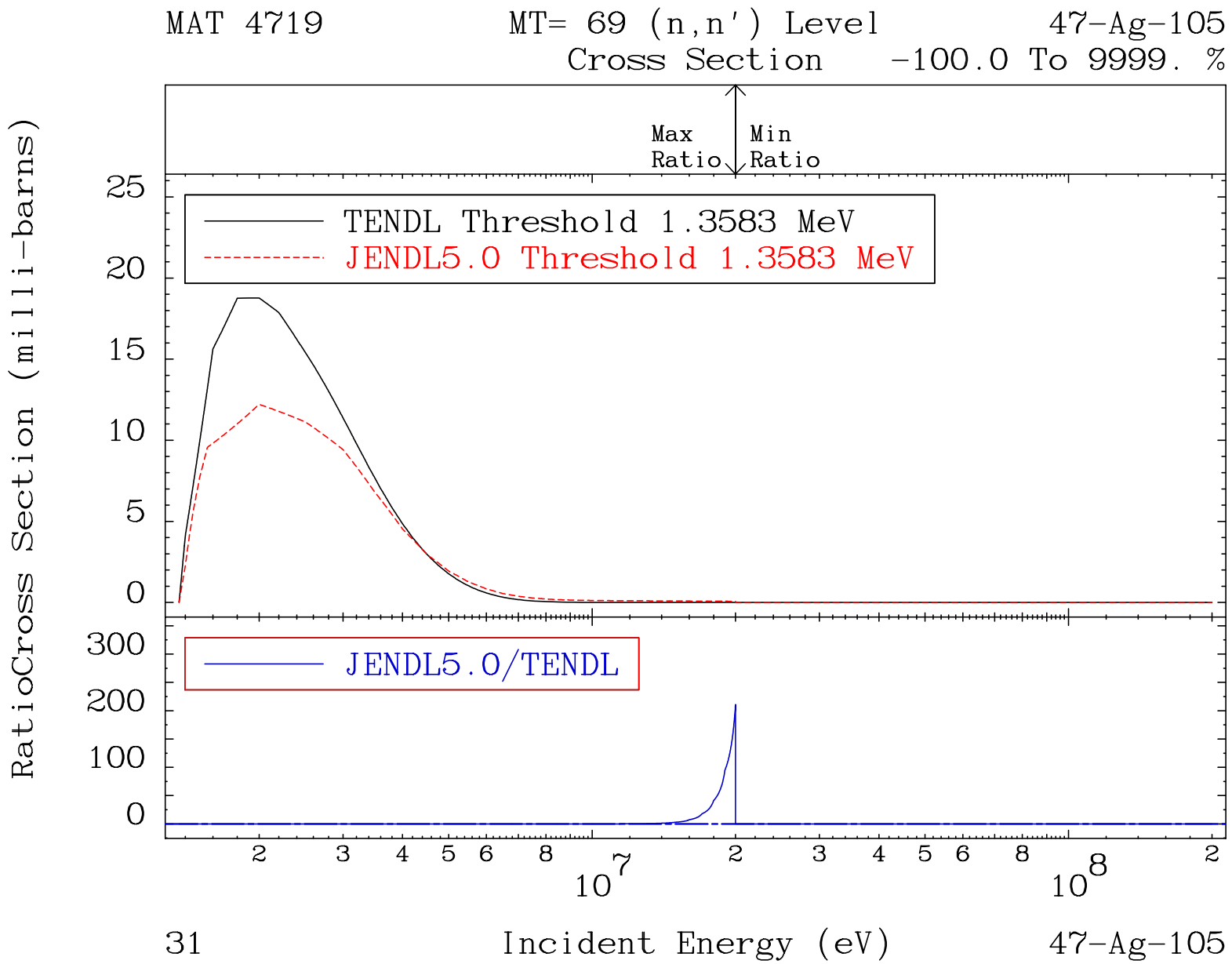

MAT 4719
MT= 64 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1775 MeV
JENDL5.0 Threshold 1.1775 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
47-Ag-105

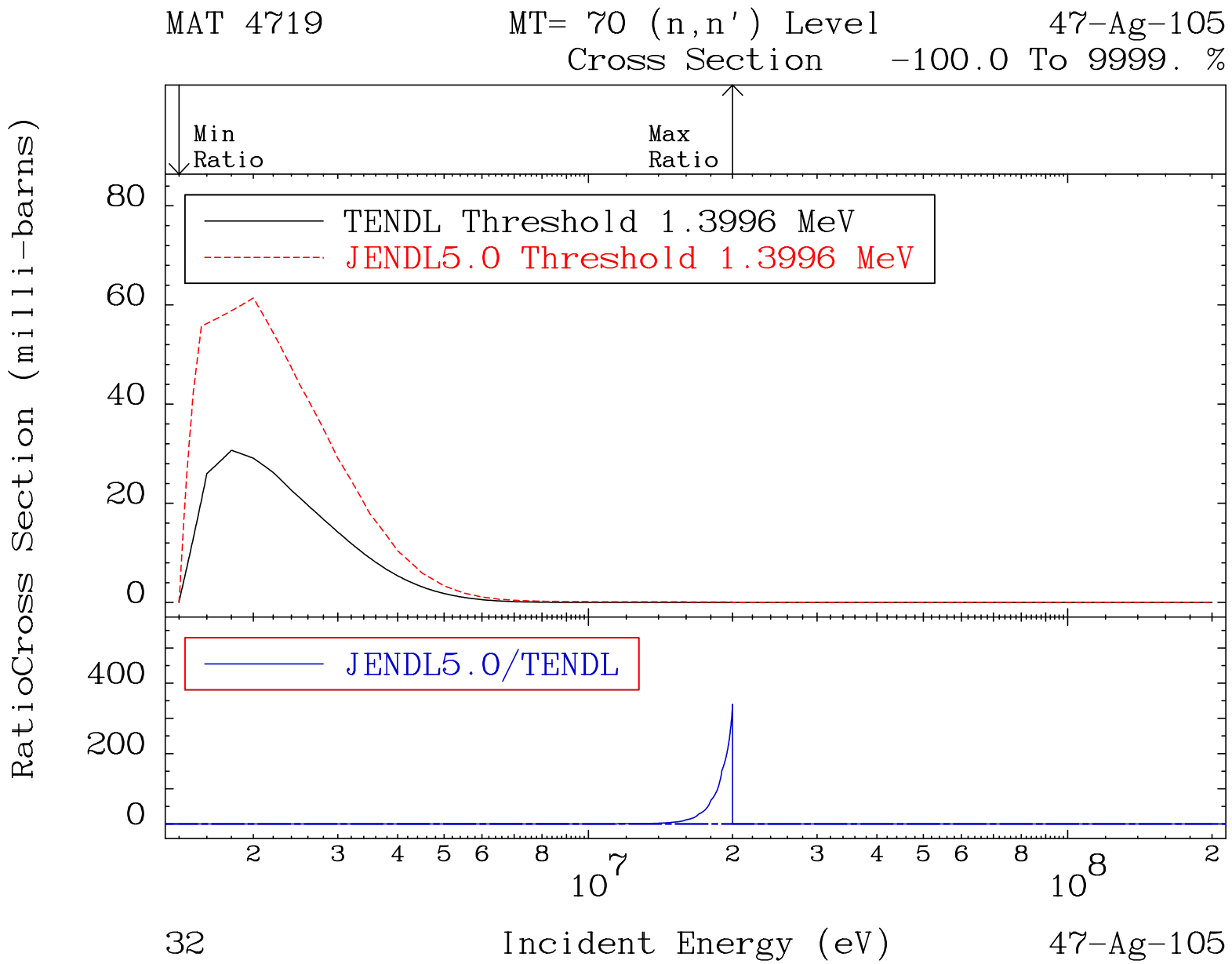

MAT 4719
MT= 65 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.2553 MeV
JENDL5.0 Threshold 1.2553 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
300
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
47-Ag-105

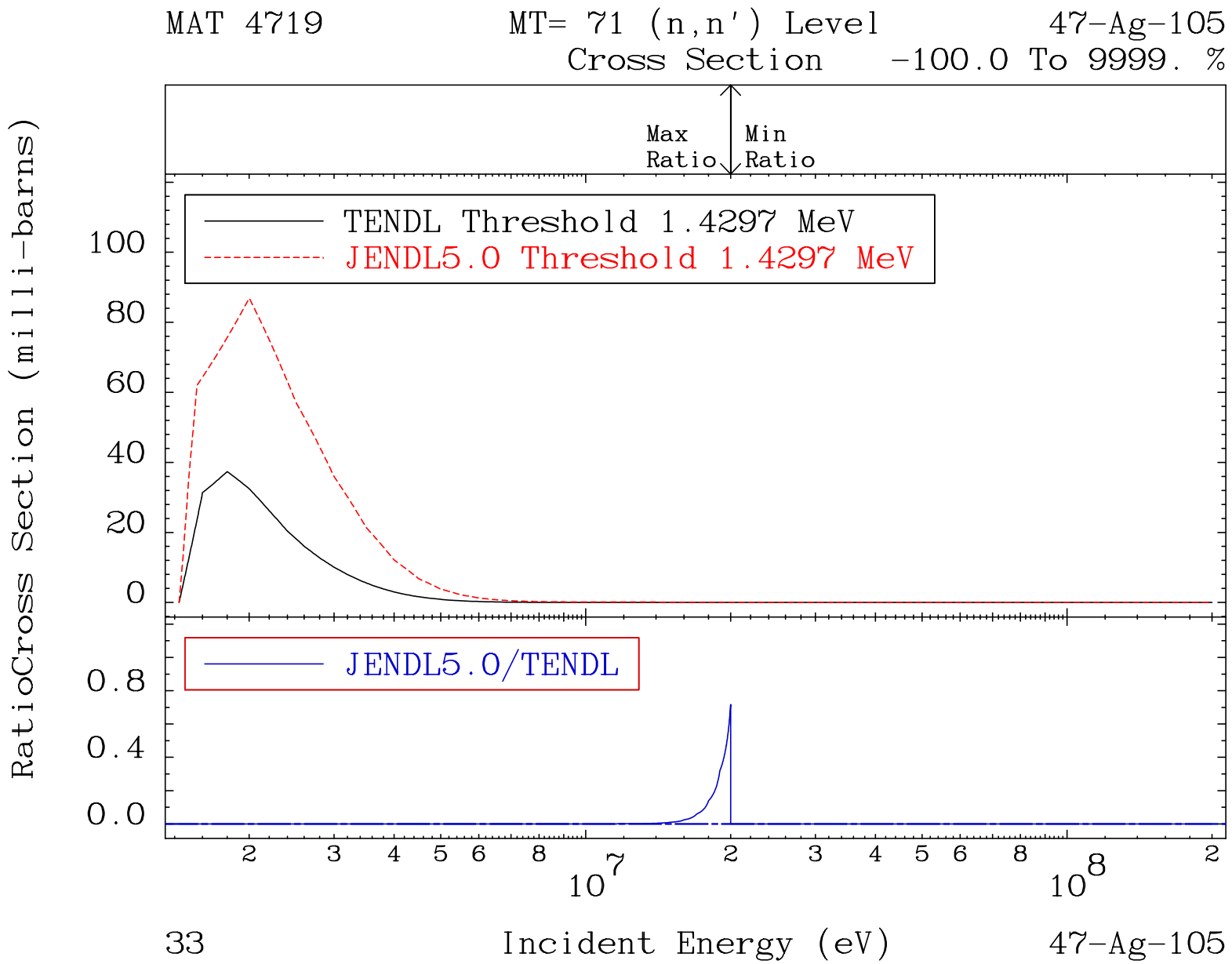

MAT 4719
MT= 66 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.3064 MeV
JENDL5.0 Threshold 1.3073 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
28
Incident Energy (eV)
47-Ag-105

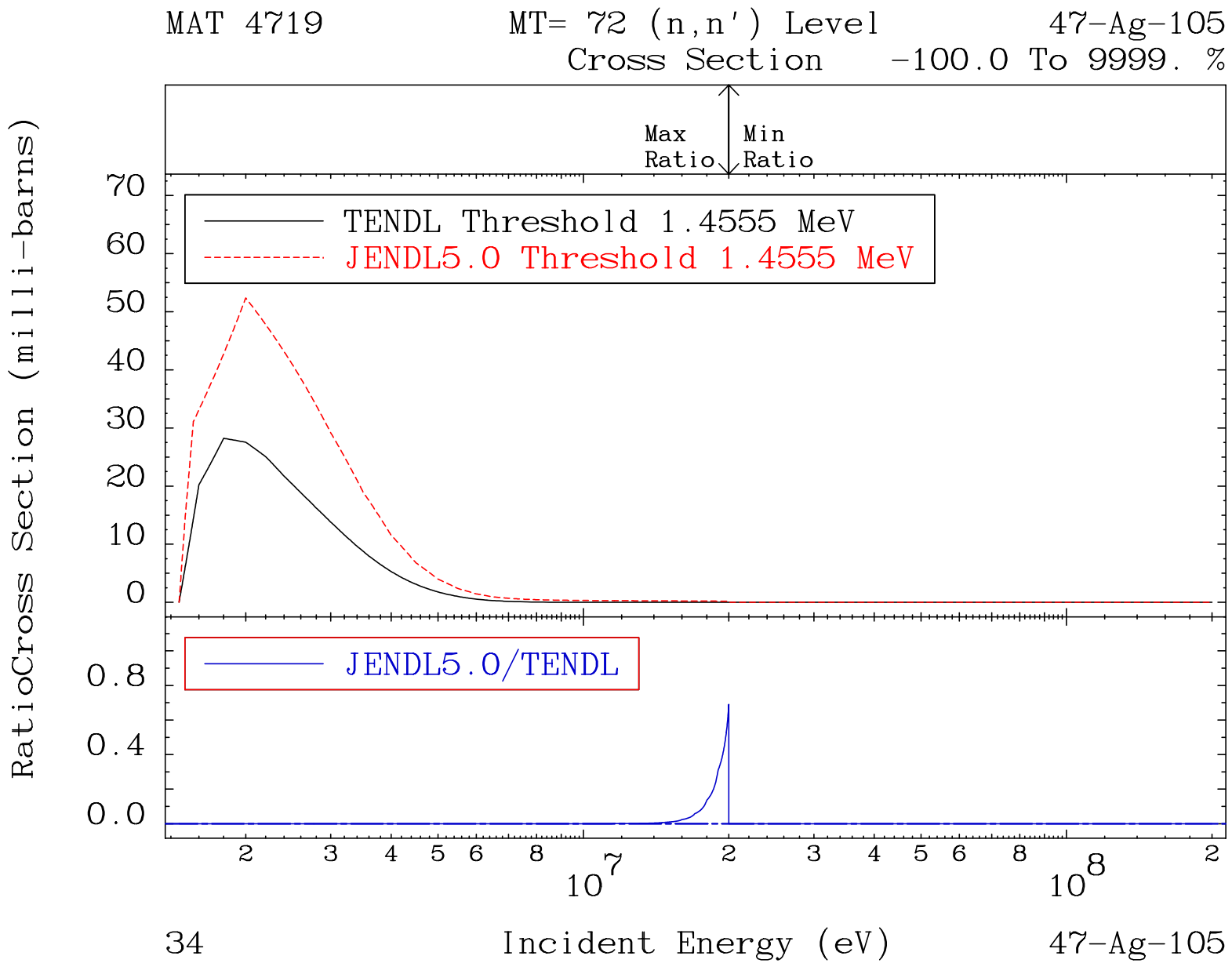

MAT 4719
MT= 67 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3240 MeV
JENDL5.0 Threshold 1.3075 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
400
200
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
29
Incident Energy (eV)
47-Ag-105

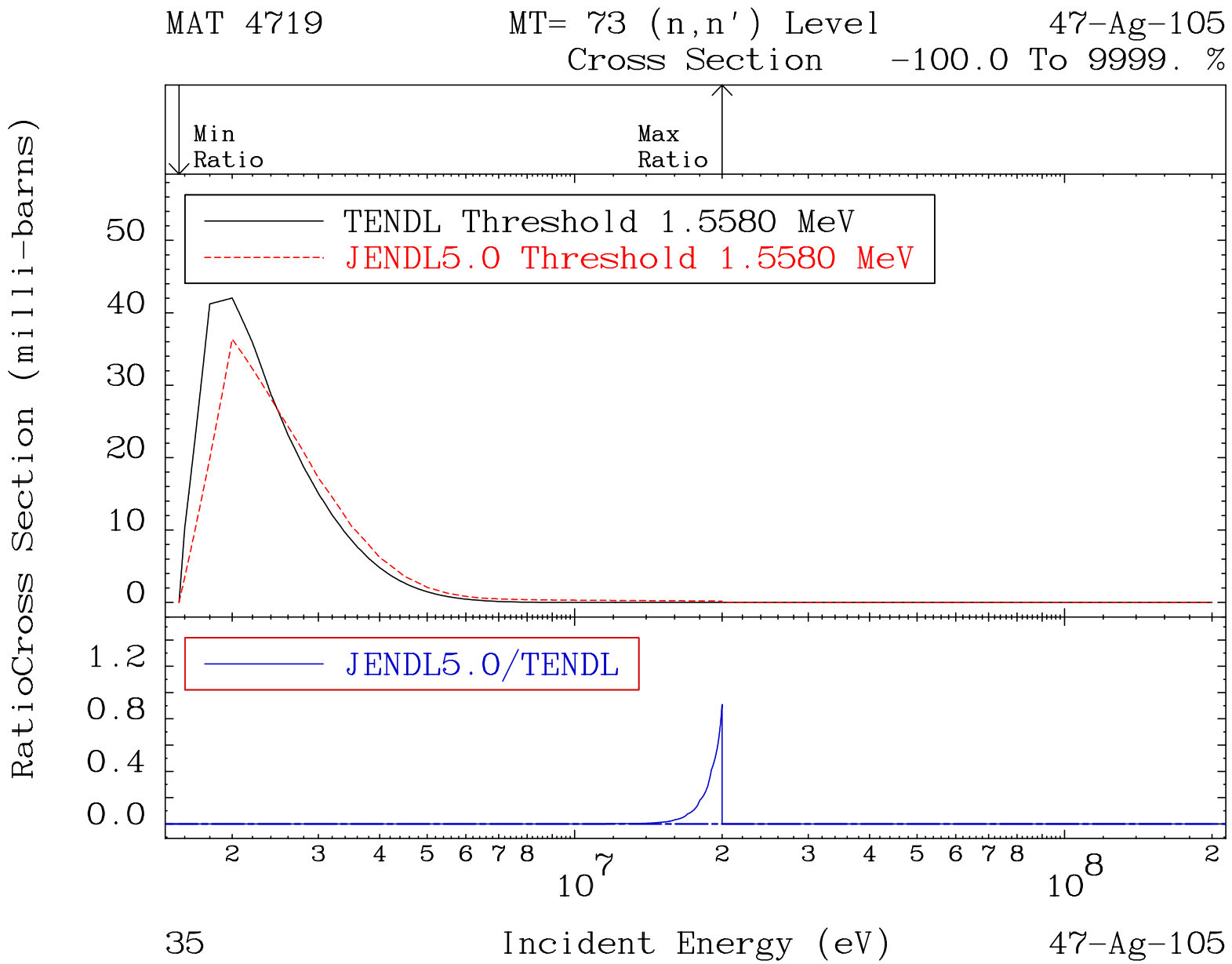

MAT 4719
MT= 68 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.3407 MeV
JENDL5.0 Threshold 1.3407 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
300
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
30
Incident Energy (eV)
47-Ag-105

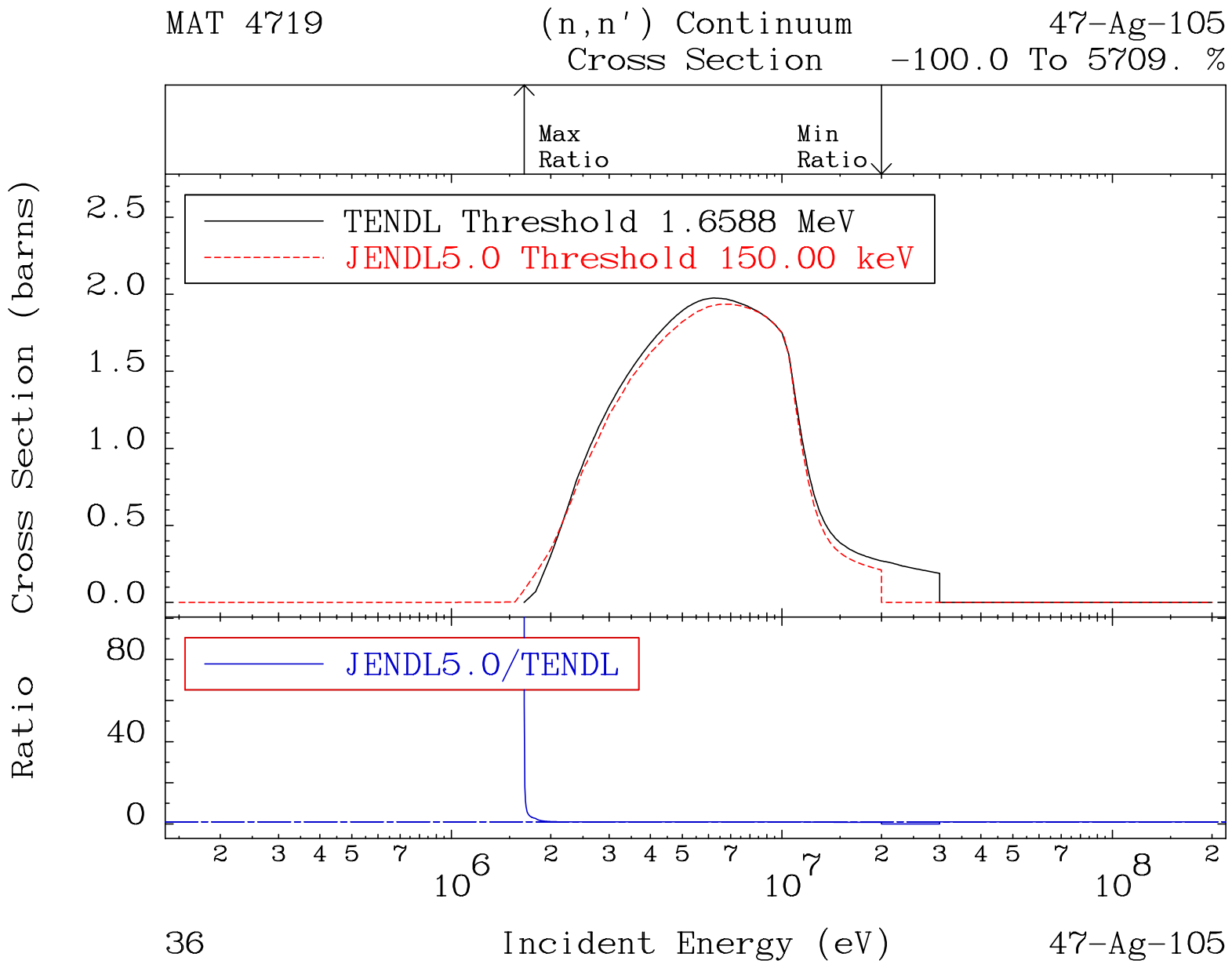

MAT 4719
MT= 69 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3583 MeV
JENDL5.0 Threshold 1.3583 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
300
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
31
Incident Energy (eV)
47-Ag-105

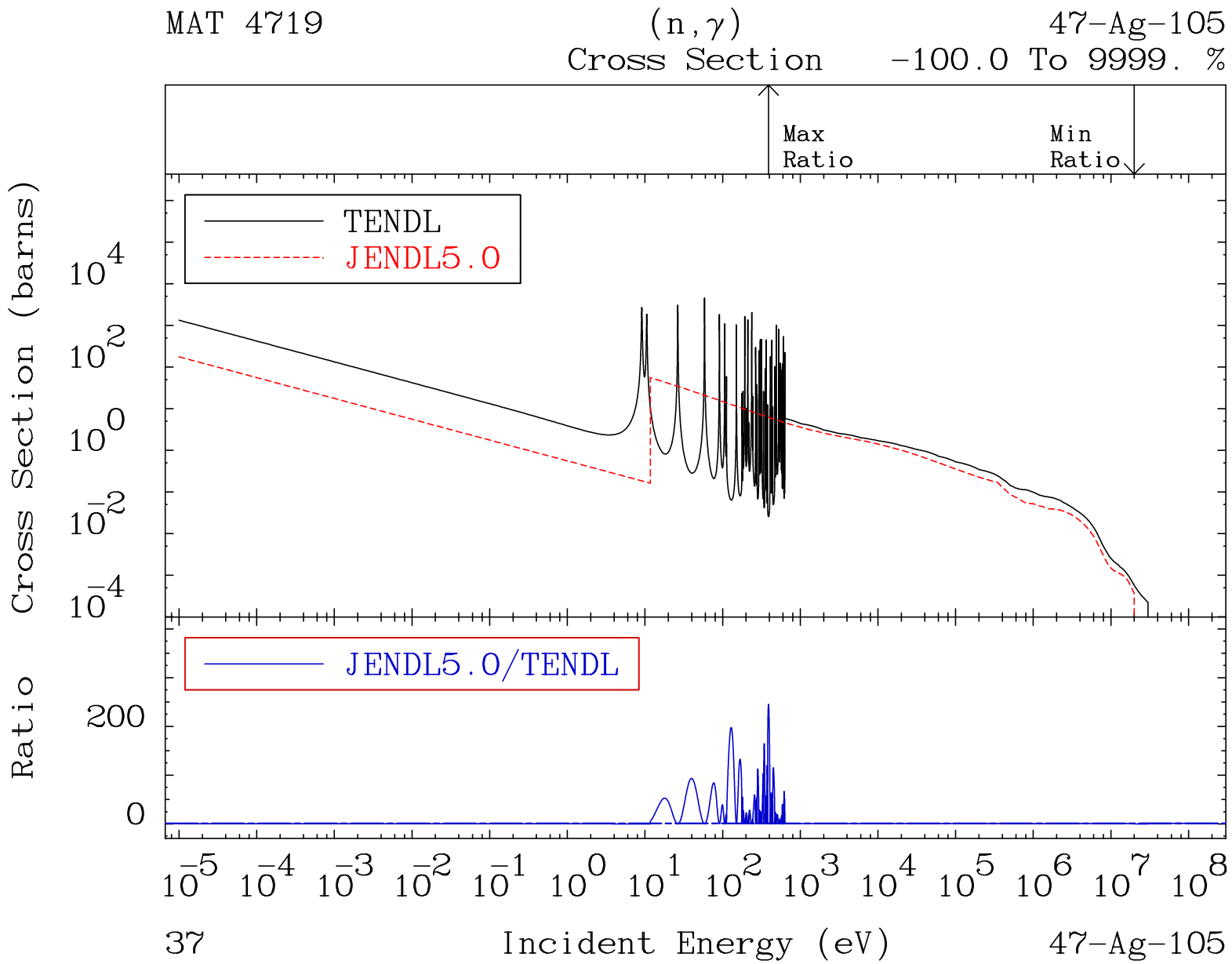

MAT 4719
MT= 70 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.3996 MeV
JENDL5.0 Threshold 1.3996 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
47-Ag-105

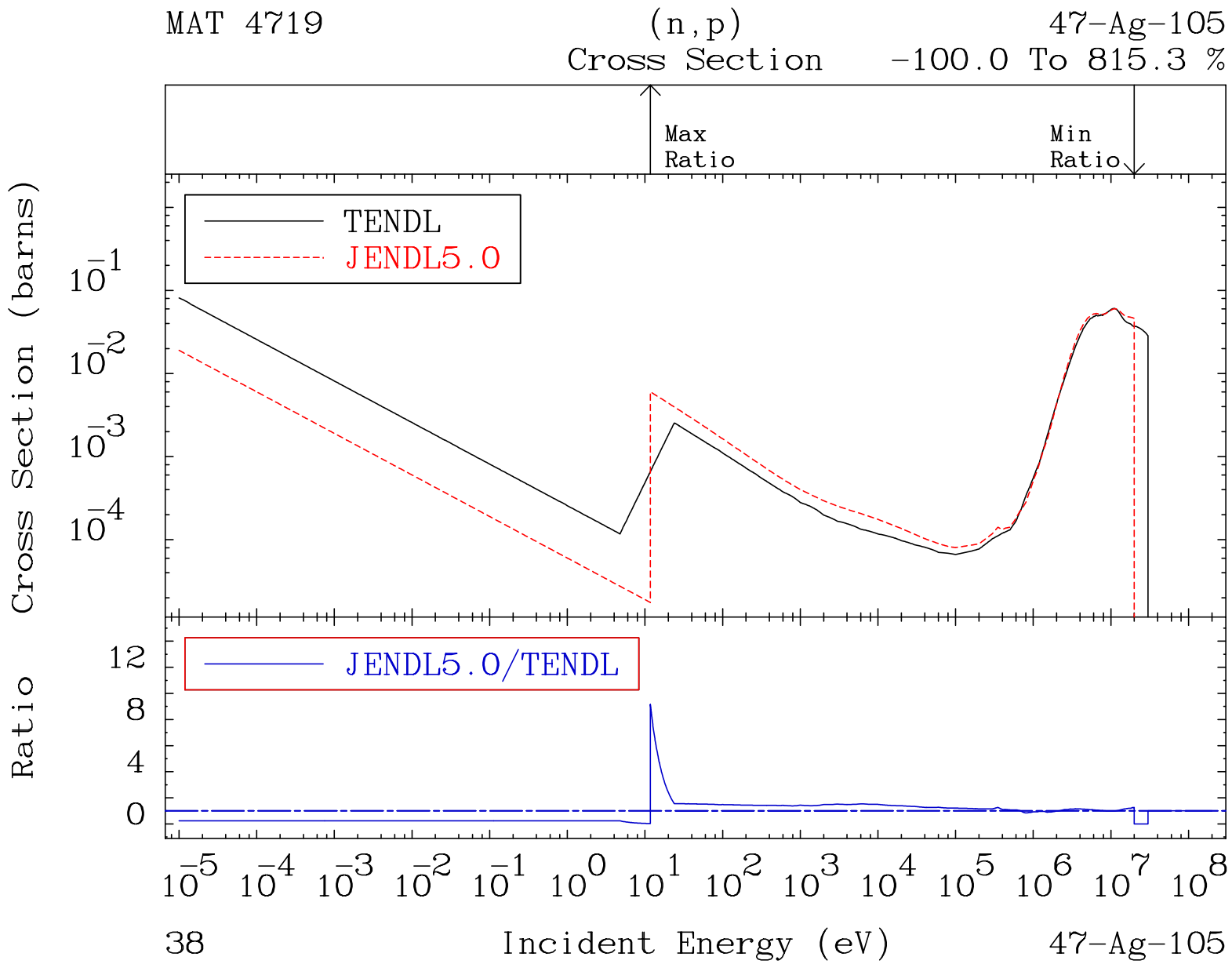

MAT 4719
MT= 71 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4297 MeV
JENDL5.0 Threshold 1.4297 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
0.8
0.4
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
33
Incident Energy (eV)
47-Ag-105

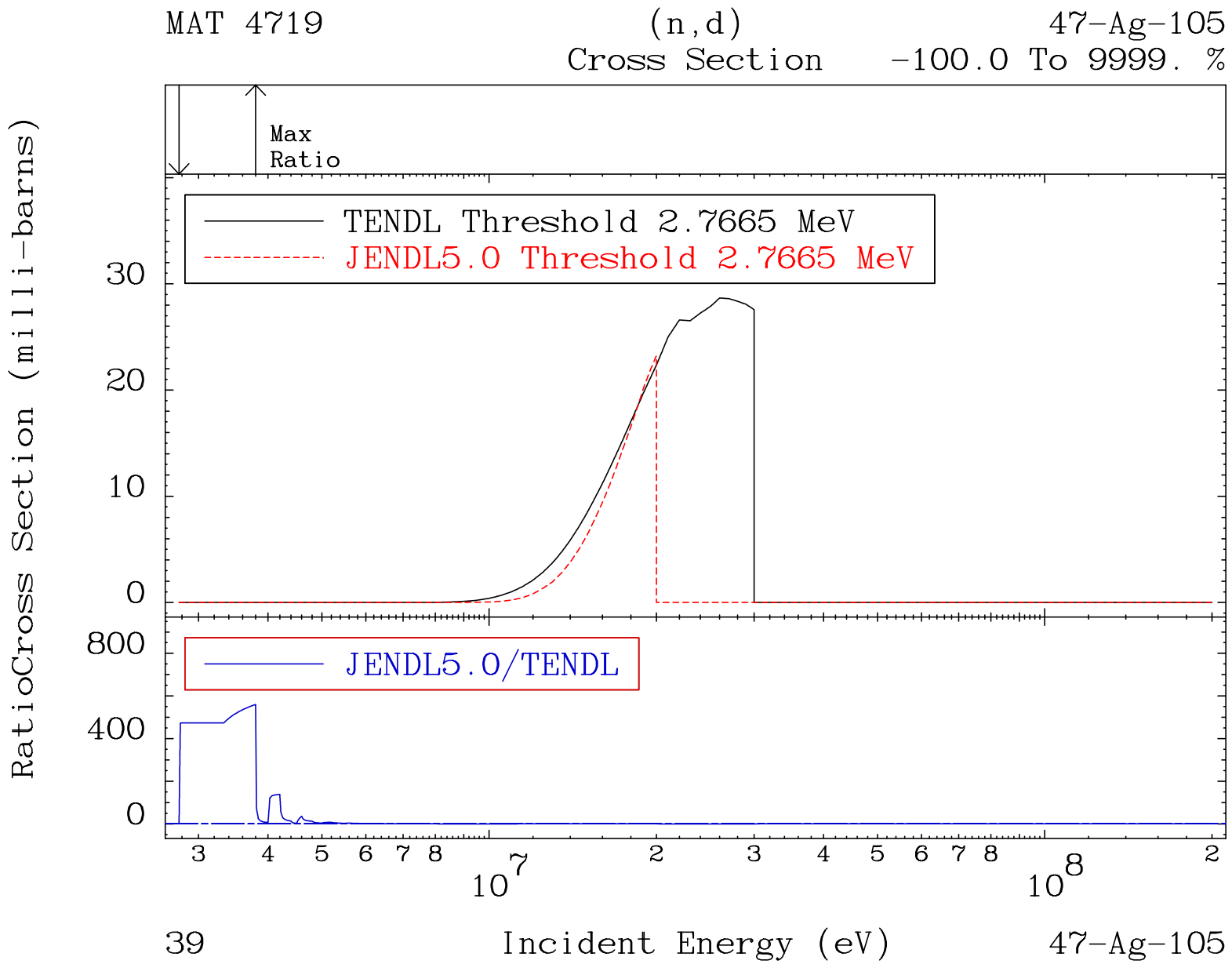

MAT 4719
MT= 72 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4555 MeV
JENDL5.0 Threshold 1.4555 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
0.8
0.4
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
34
Incident Energy (eV)
47-Ag-105

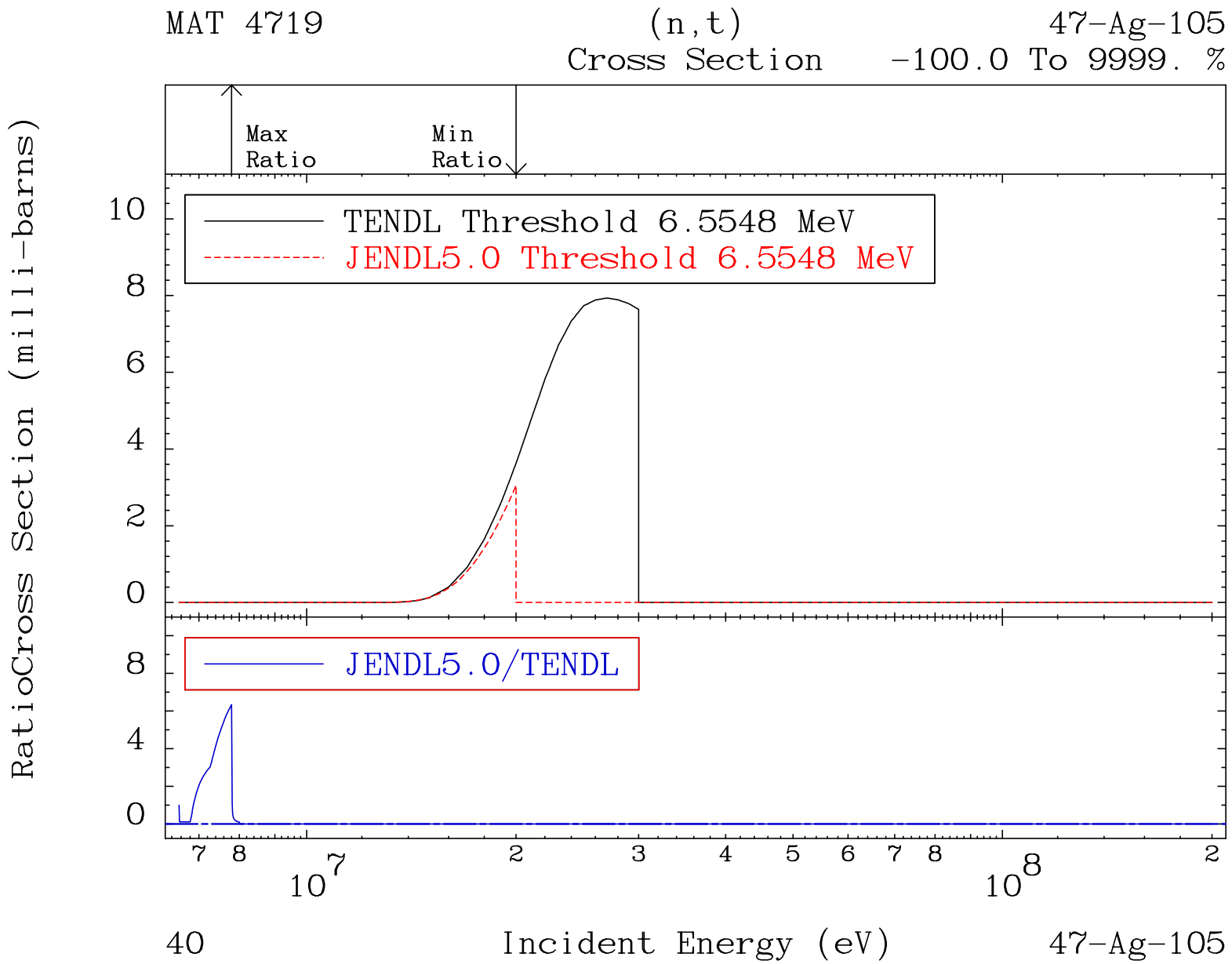

MAT 4719
MT= 73 (n,n') Level
47-Ag-105
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.5580 MeV
JENDL5.0 Threshold 1.5580 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.8
0.4
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
47-Ag-105

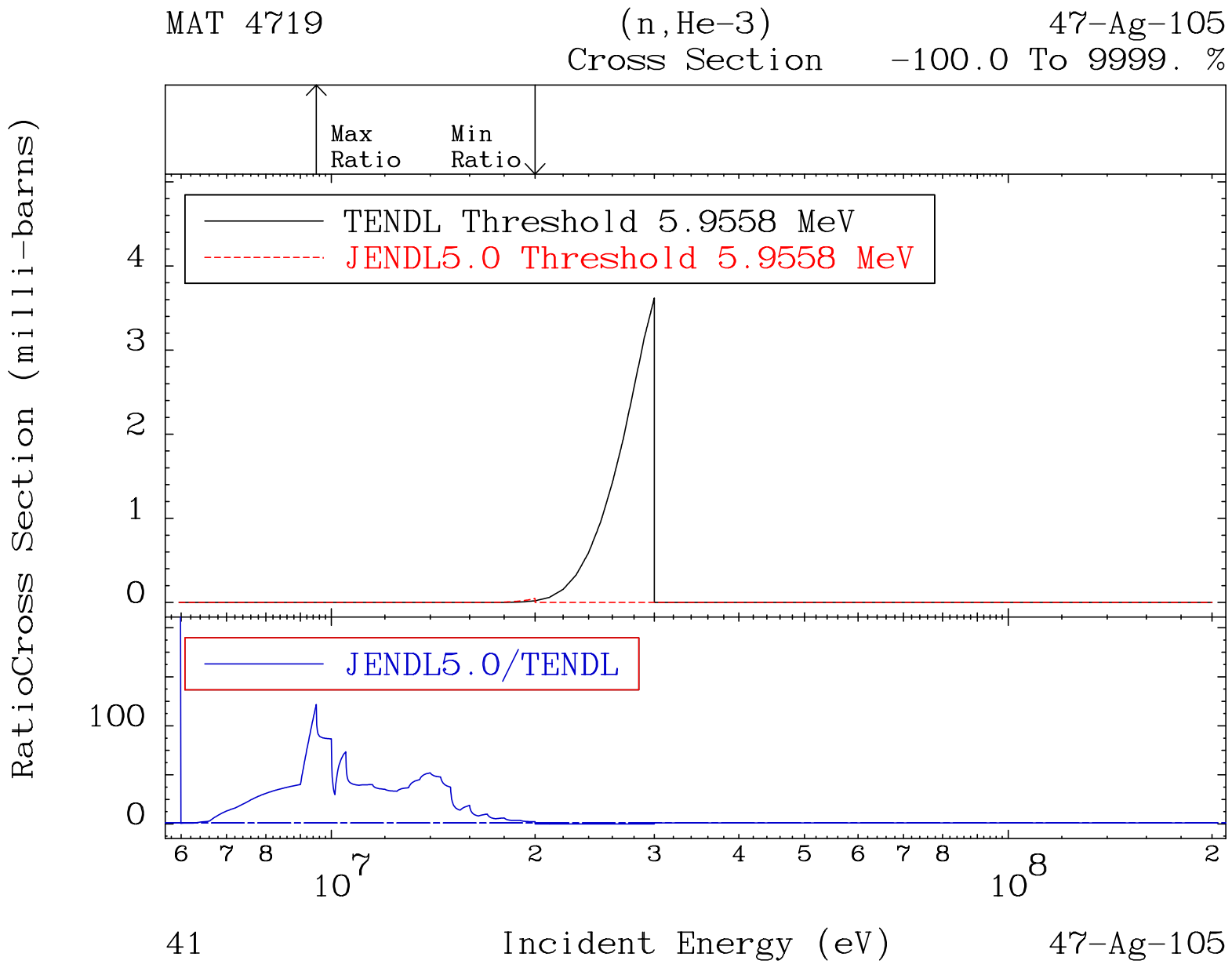

MAT 4719
(n,n') Continuum
Cross Section
47-Ag-105
-100.0 To 5709. %
Max Ratio
Min Ratio
TENDL Threshold 1.6588 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
80
40
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
36
Incident Energy (eV)
47-Ag-105

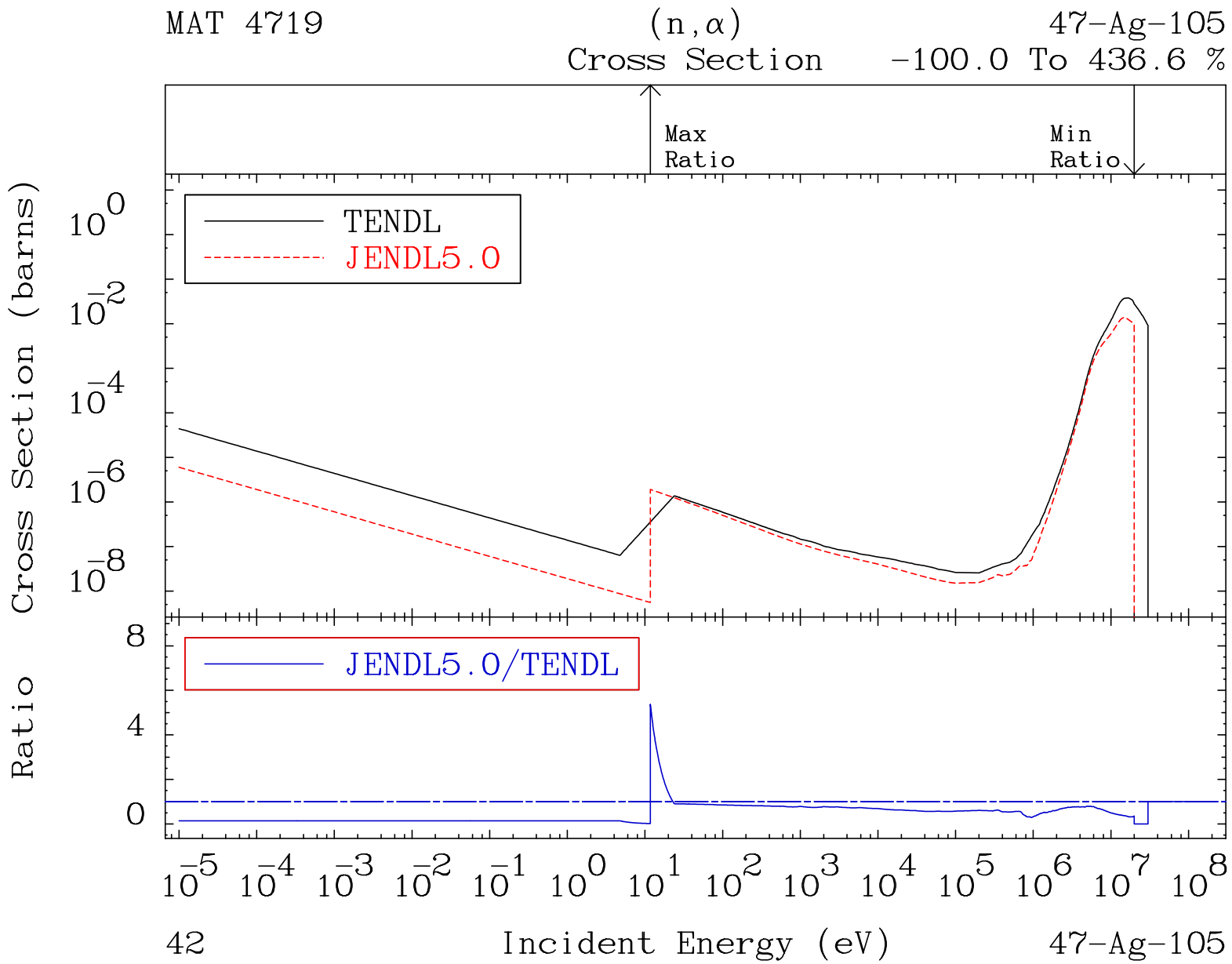

MAT 4719
(n,γ)
Cross Section
47-Ag-105
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
37
47-Ag-105

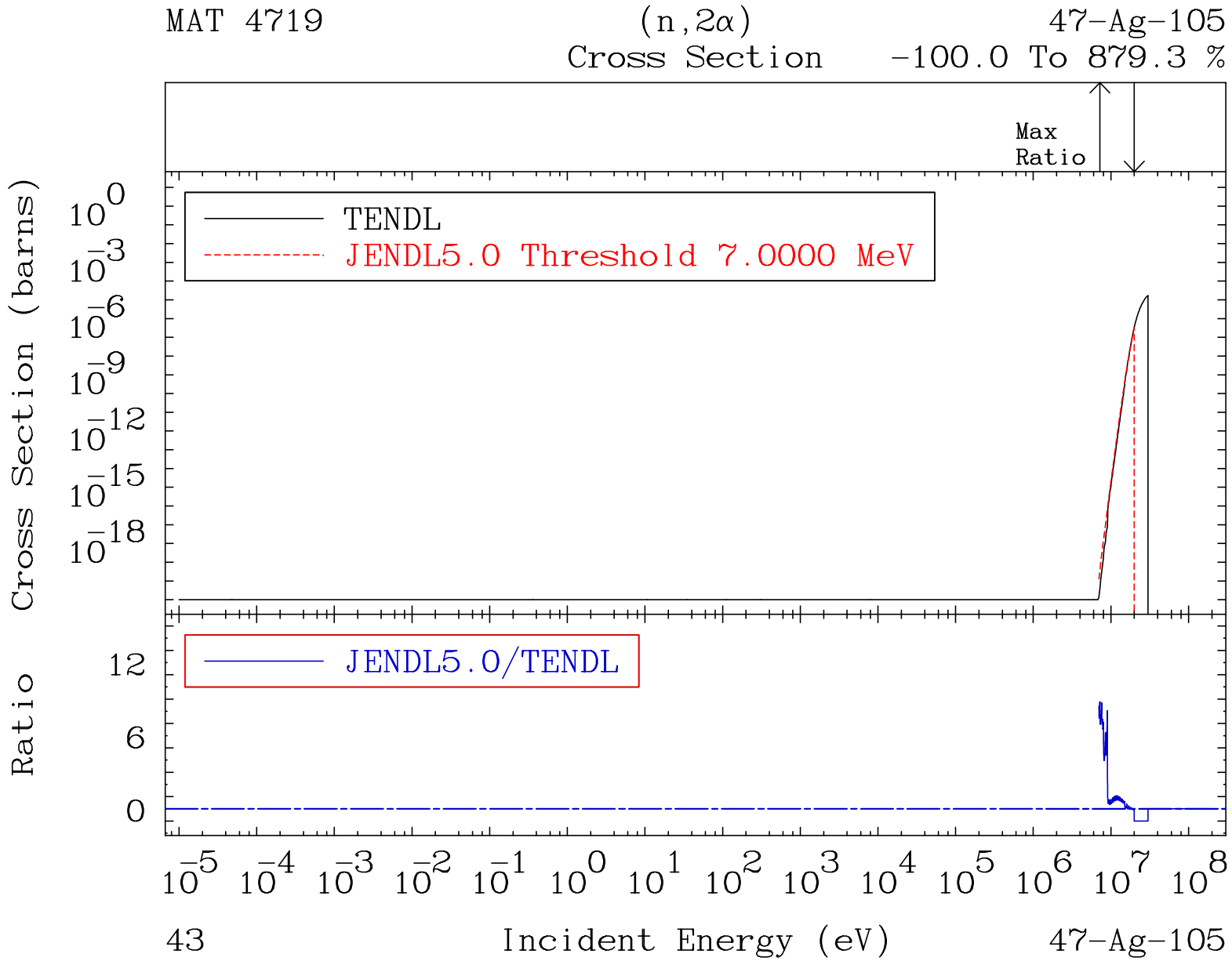

MAT 4719
(n,p)
Cross Section
47-Ag-105
-100.0 To 815.3 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
38
47-Ag-105

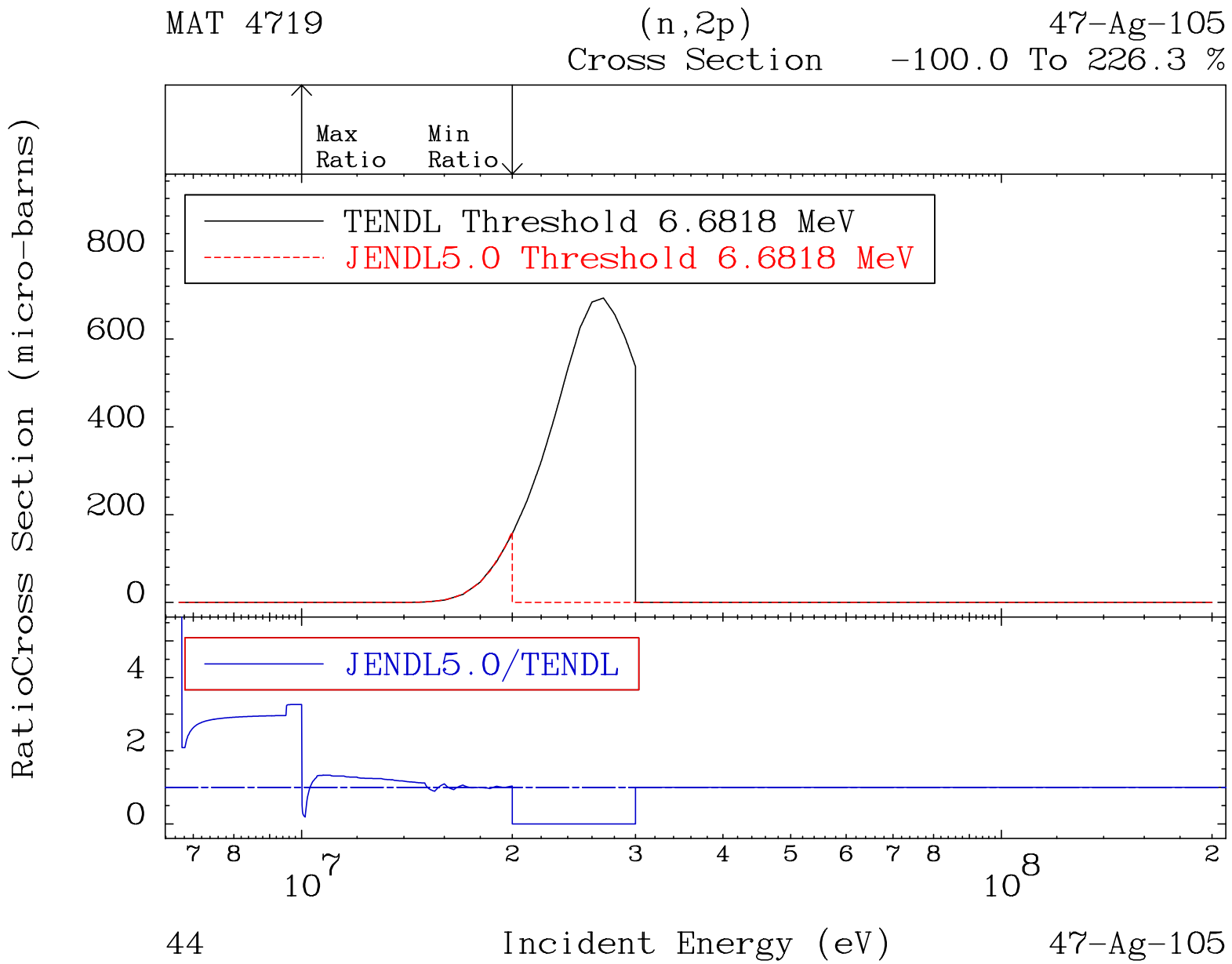

MAT 4719
(n,d)
47-Ag-105
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 2.7665 MeV
JENDL5.0 Threshold 2.7665 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
800
400
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
39
Incident Energy (eV)
47-Ag-105

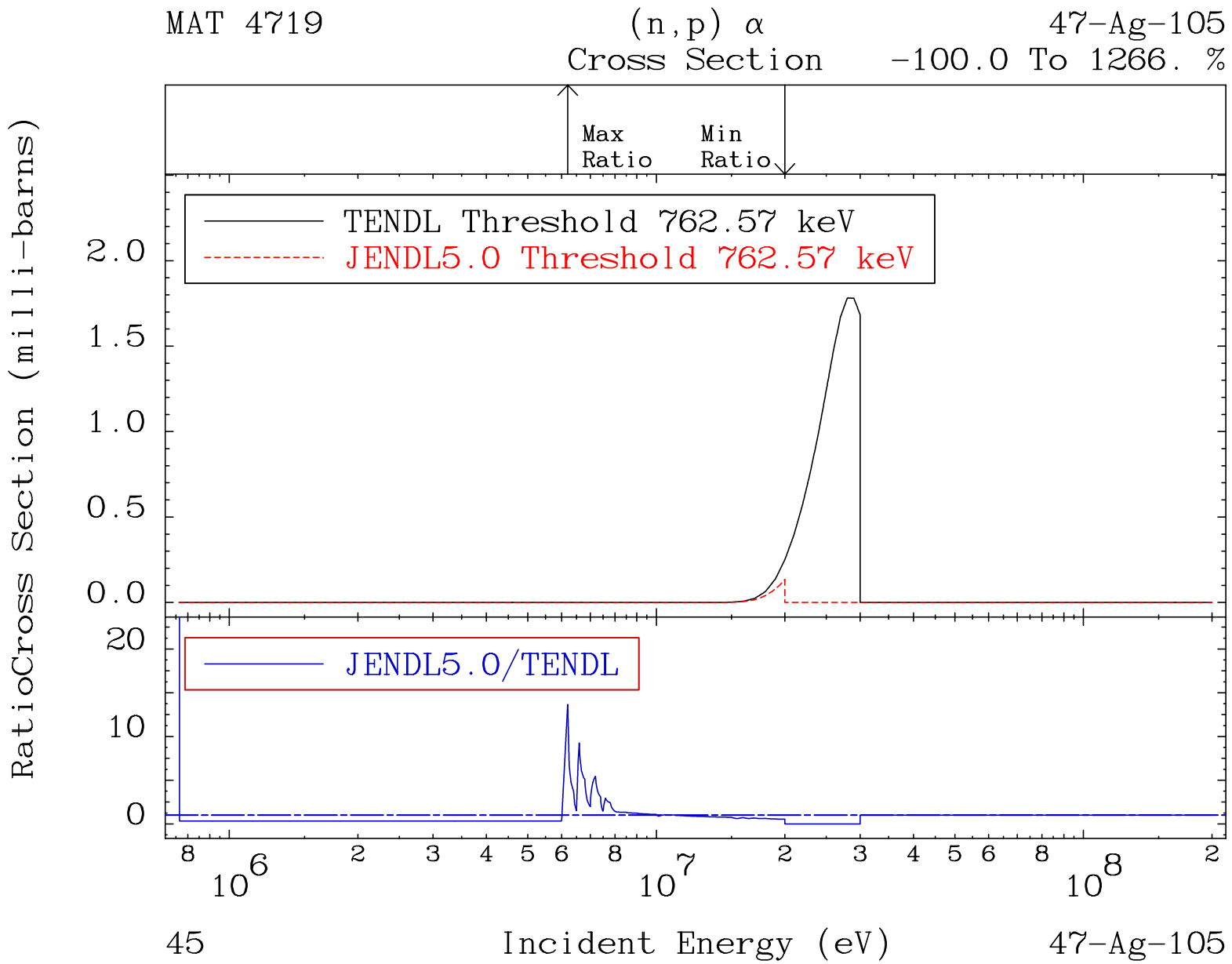

MAT 4719
(n,t)
Cross Section
47-Ag-105
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.5548 MeV
JENDL5.0 Threshold 6.5548 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
40
47-Ag-105

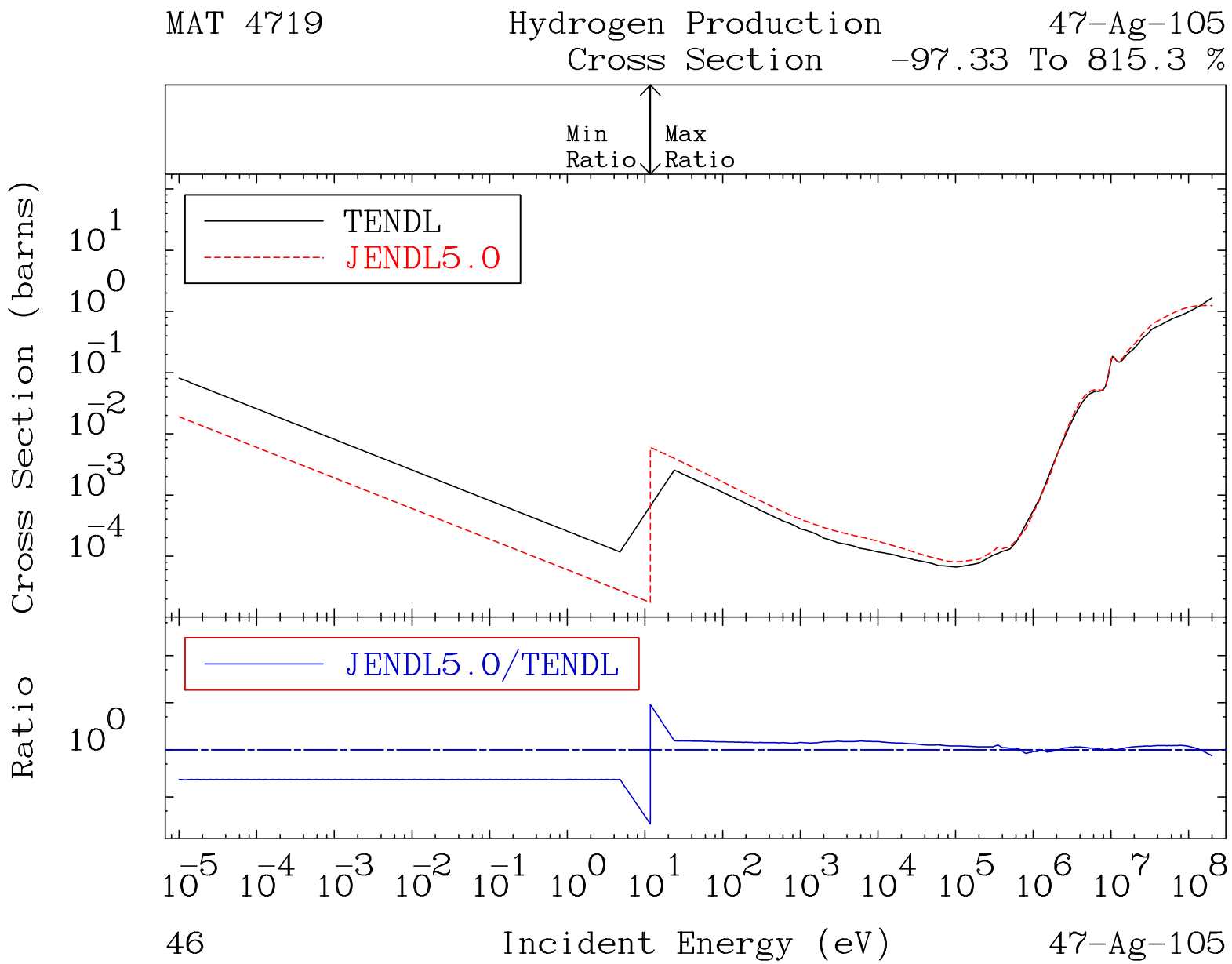

MAT 4719
(n,He-3)
Cross Section
47-Ag-105
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.9558 MeV
JENDL5.0 Threshold 5.9558 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
41
47-Ag-105

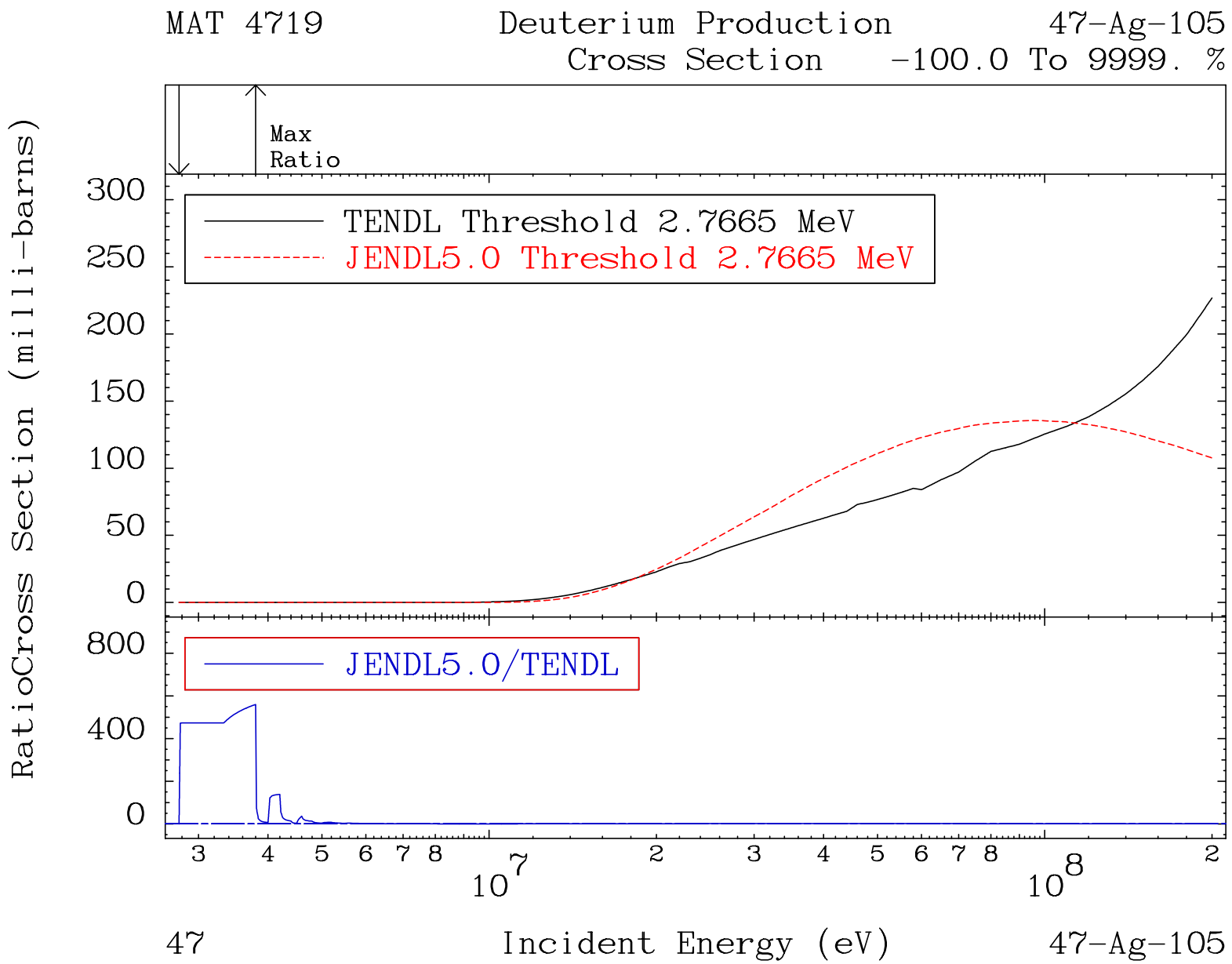

MAT 4719
(n,α)
Cross Section
47-Ag-105
-100.0 To 436.6 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
47-Ag-105

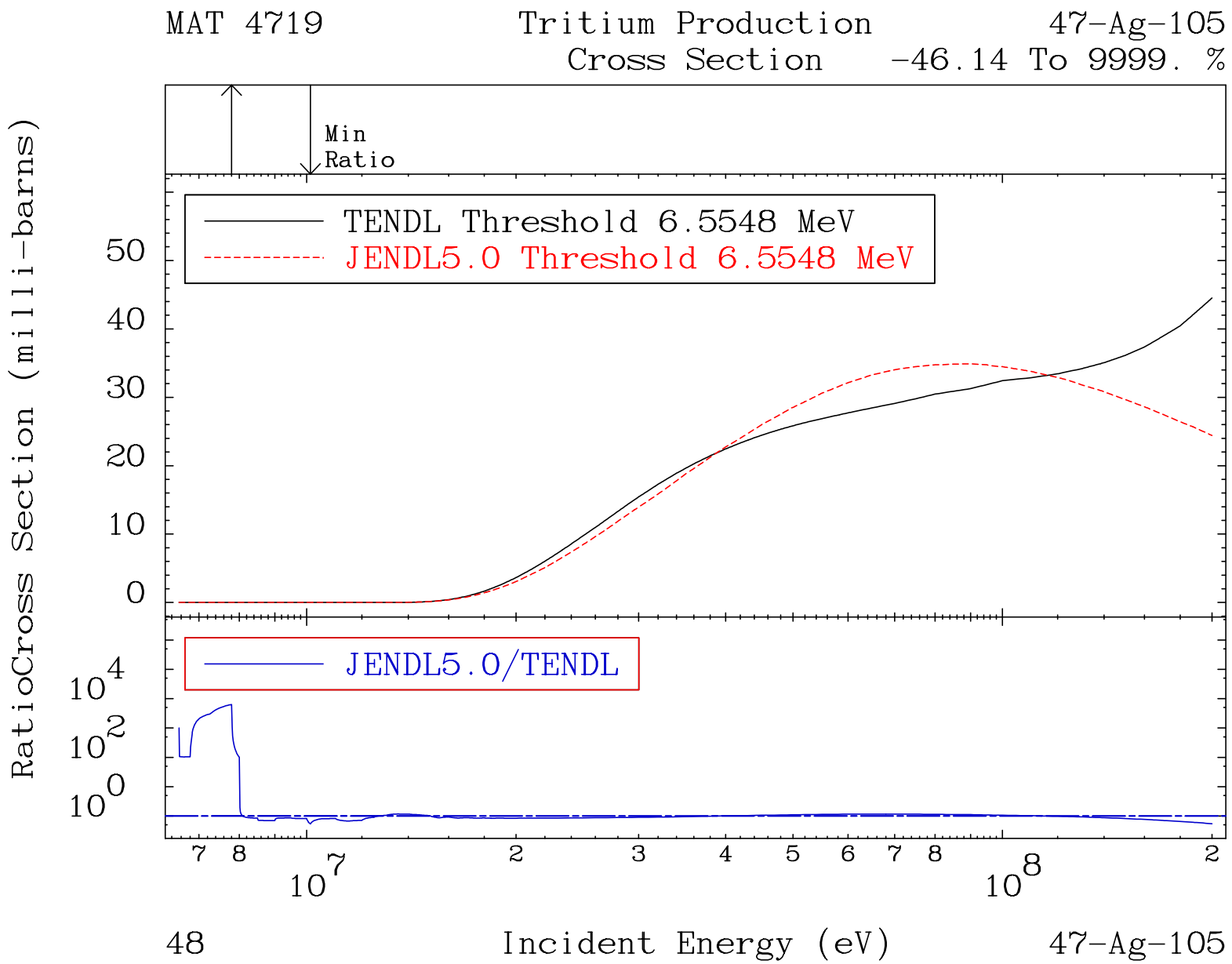

MAT 4719
(n,2α)
47-Ag-105
Cross Section
-100.0 To 879.3 %
Max
Ratio
TENDL
JENDL5.0 Threshold 7.0000 MeV
Cross Section (barns)
10^0
10^-3
10^-6
10^-9
10^-12
10^-15
10^-18
JENDL5.0/TENDL
Ratio
12
6
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
47-Ag-105

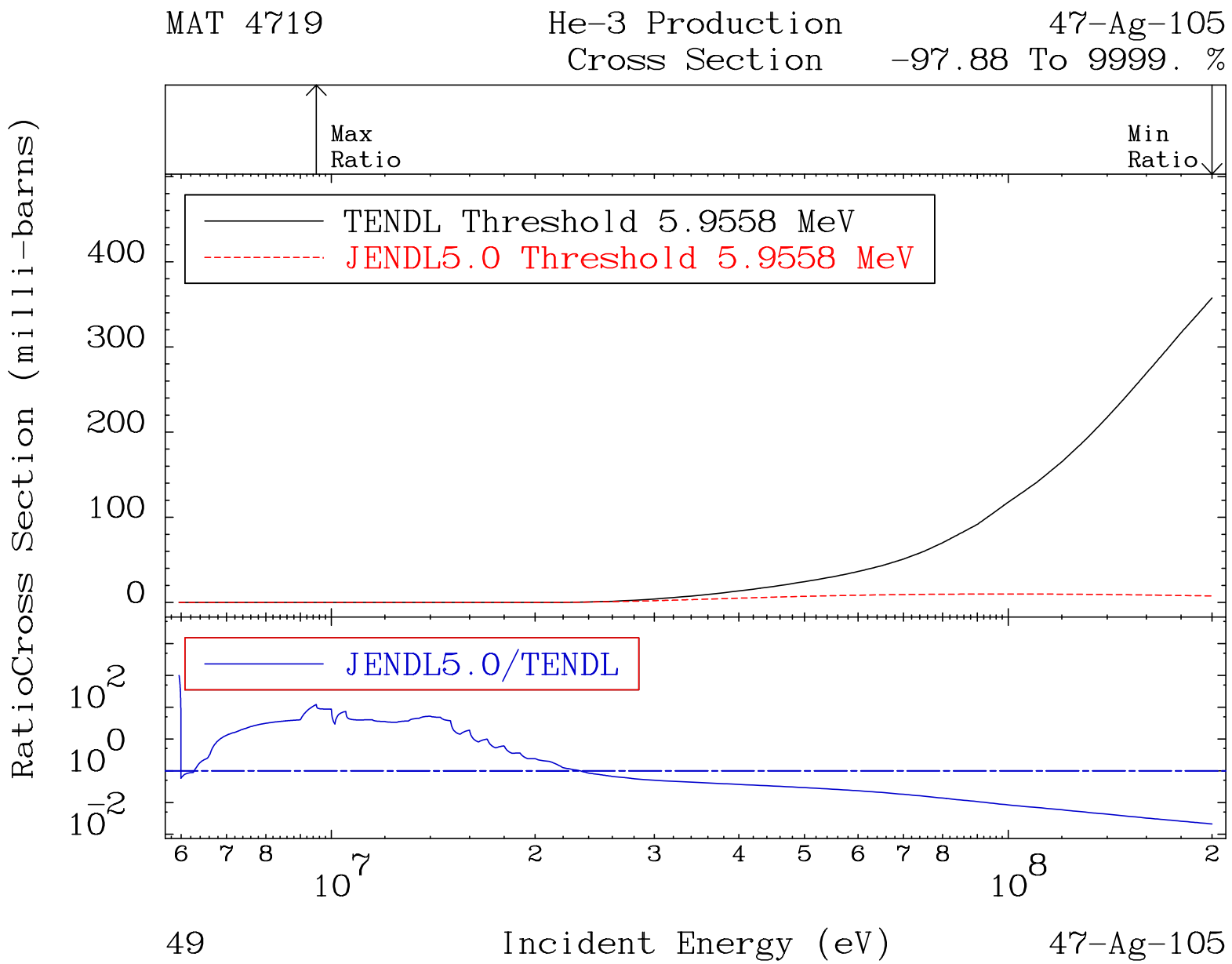

MAT 4719
(n,2p)
47-Ag-105
Cross Section
-100.0 To 226.3 %
Max Ratio
Min Ratio
TENDL Threshold 6.6818 MeV
JENDL5.0 Threshold 6.6818 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
4
2
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
47-Ag-105

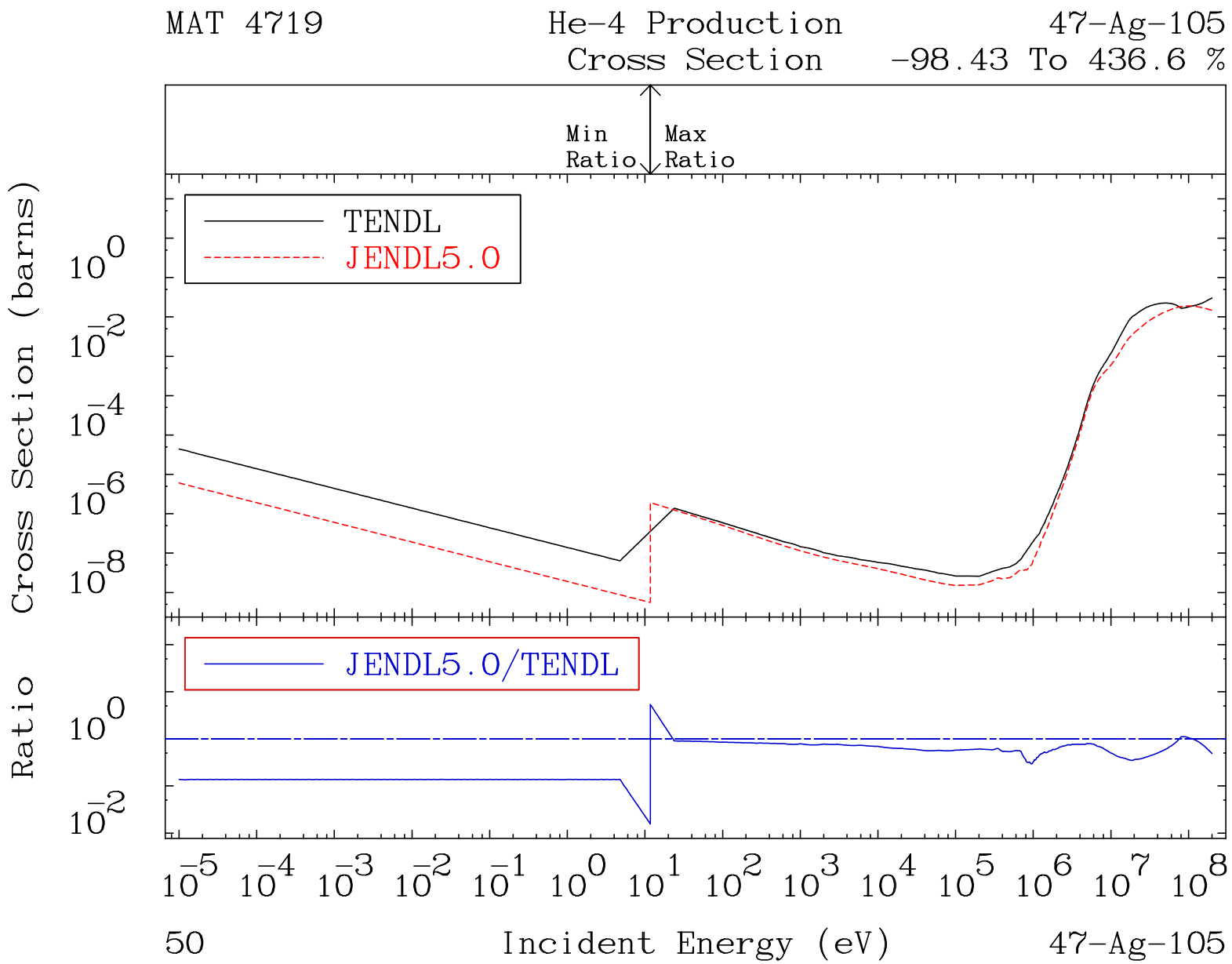

MAT 4719
(n,p) α
Cross Section
47-Ag-105
-100.0 To 1266. %
Max Ratio
Min Ratio
TENDL Threshold 762.57 keV
JENDL5.0 Threshold 762.57 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
20
10
0
8
2
3
4
5
6
8
10^6
10^7
10^8
45
Incident Energy (eV)
47-Ag-105

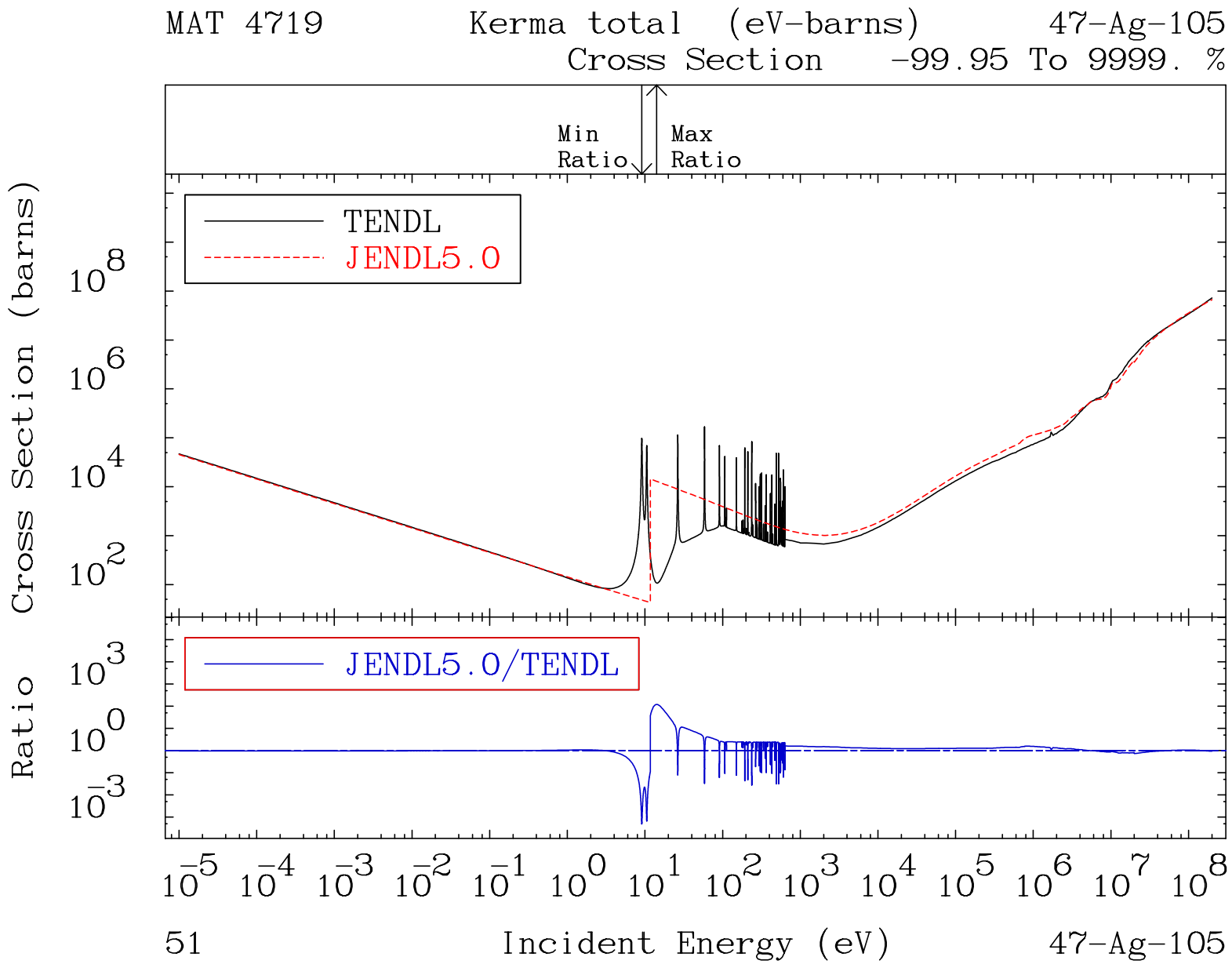

MAT 4719
Hydrogen Production
47-Ag-105
Cross Section
-97.33 To 815.3 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
47-Ag-105

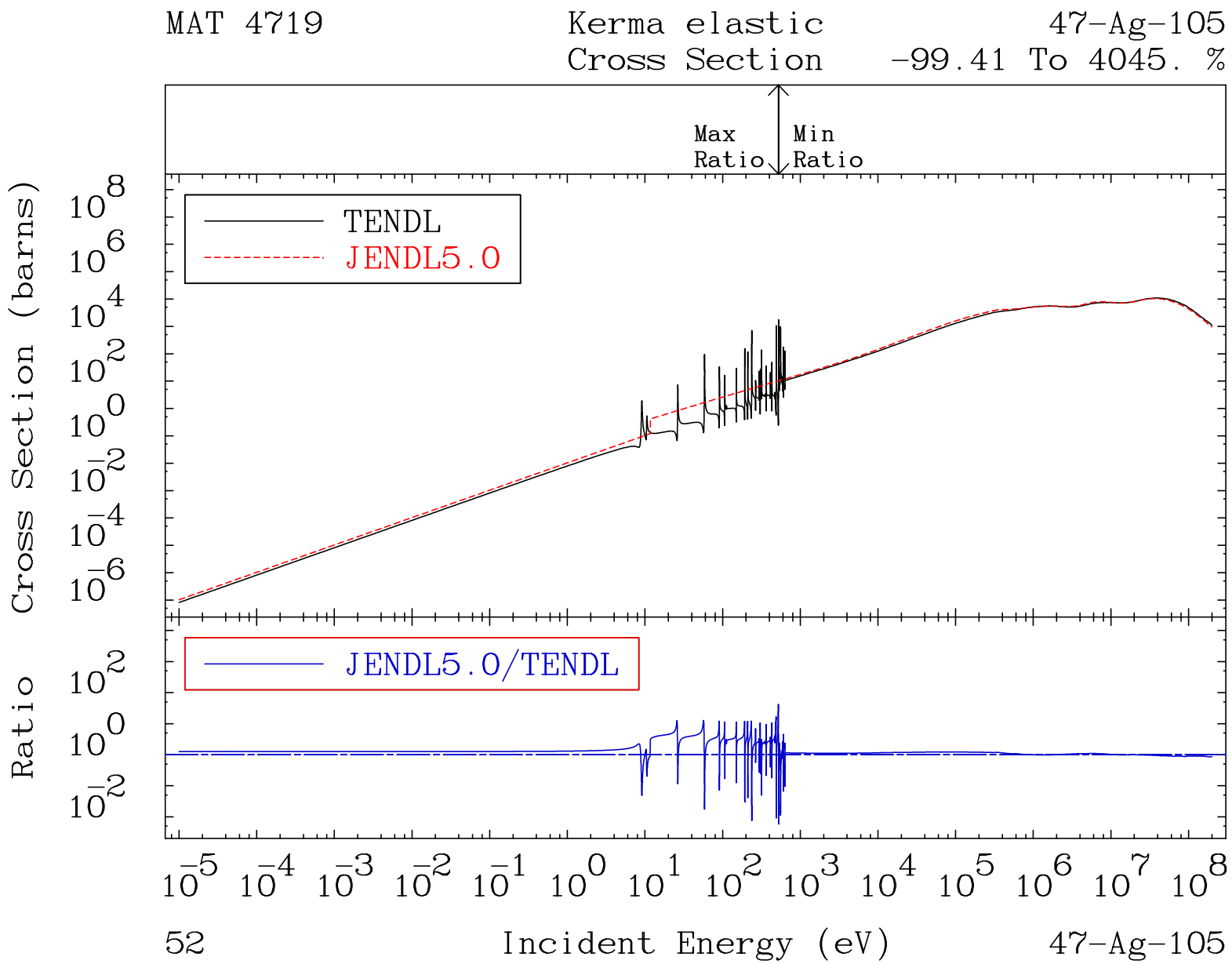

MAT 4719
Deuterium Production
47-Ag-105
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 2.7665 MeV
JENDL5.0 Threshold 2.7665 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
800
400
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
47
Incident Energy (eV)
47-Ag-105

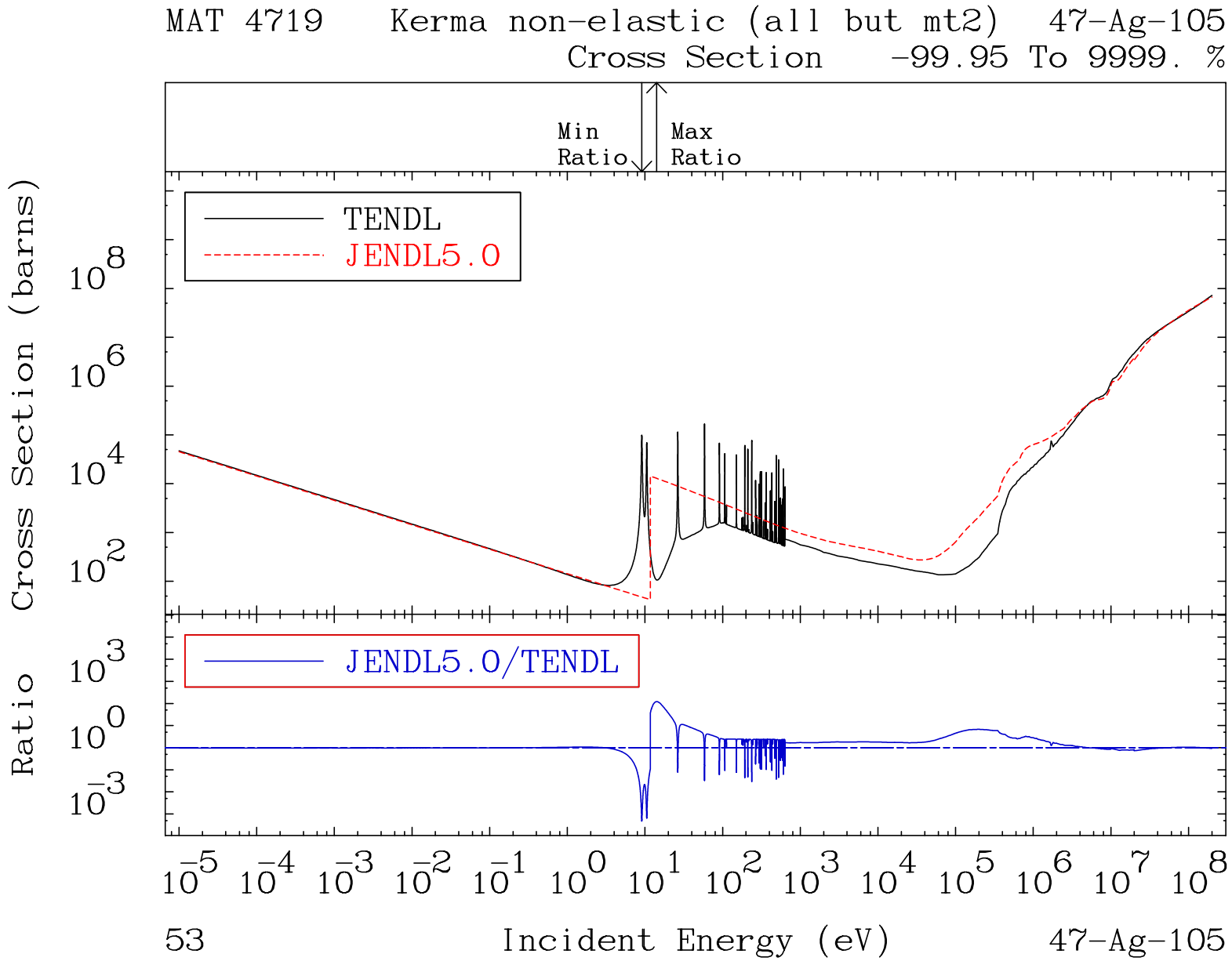

MAT 4719
Tritium Production
47-Ag-105
Cross Section
-46.14 To 9999. %
Min
Ratio
TENDL Threshold 6.5548 MeV
JENDL5.0 Threshold 6.5548 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
10^4
10^2
10^0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
47-Ag-105

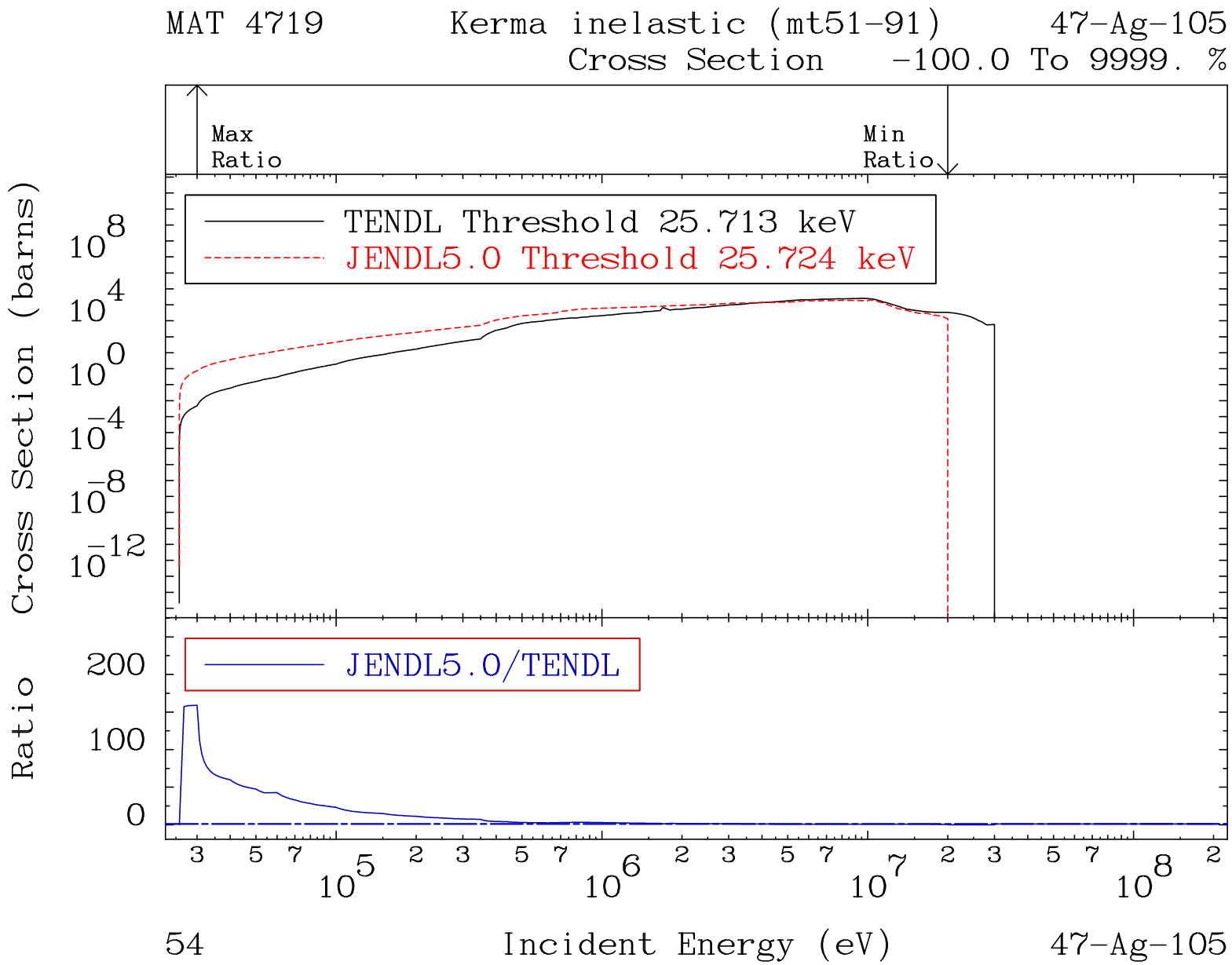

MAT 4719
He-3 Production
Cross Section
47-Ag-105
-97.88 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.9558 MeV
JENDL5.0 Threshold 5.9558 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^2
10^0
10^-2
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
47-Ag-105

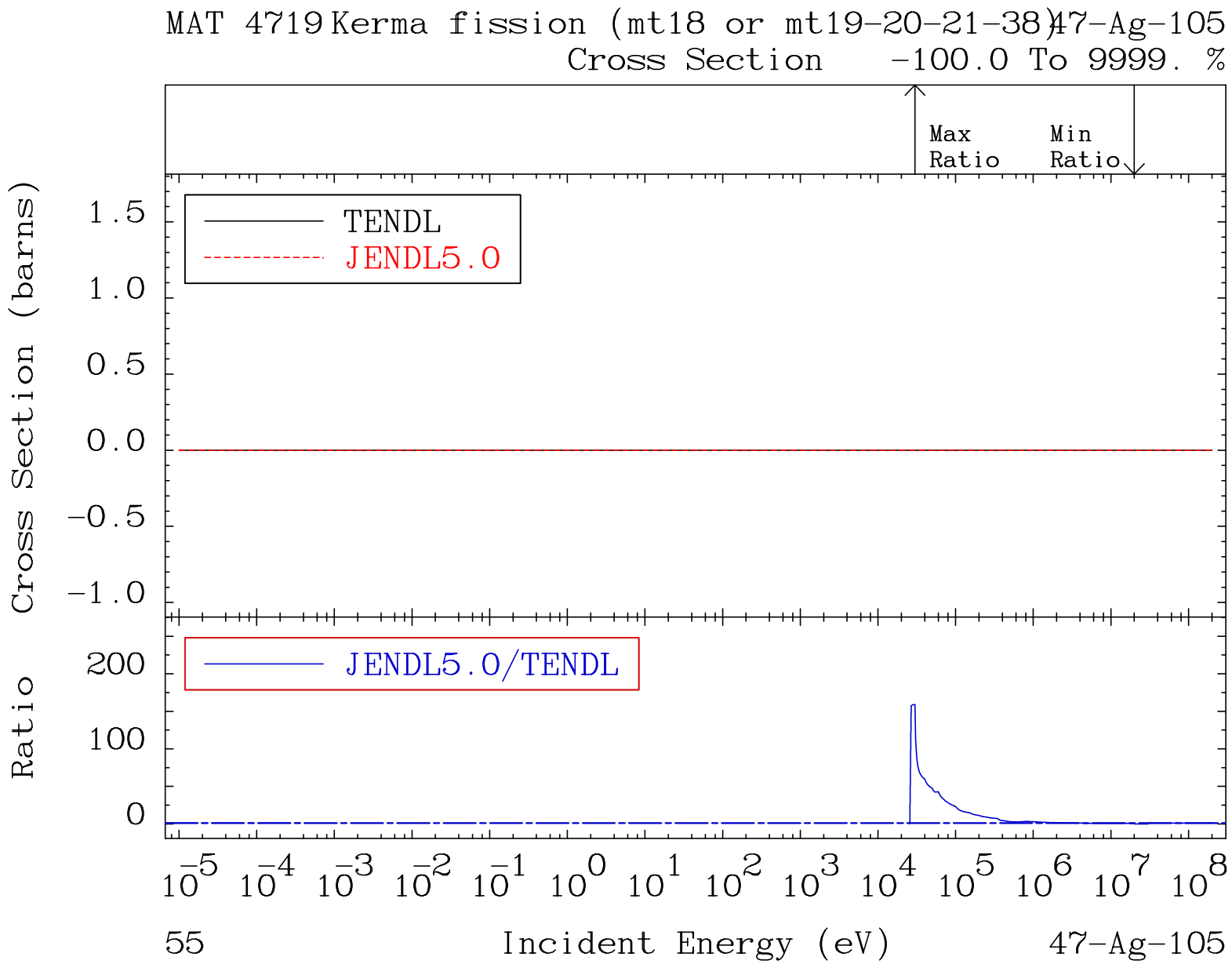

MAT 4719
He-4 Production
Cross Section
47-Ag-105
-98.43 To 436.6 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
47-Ag-105

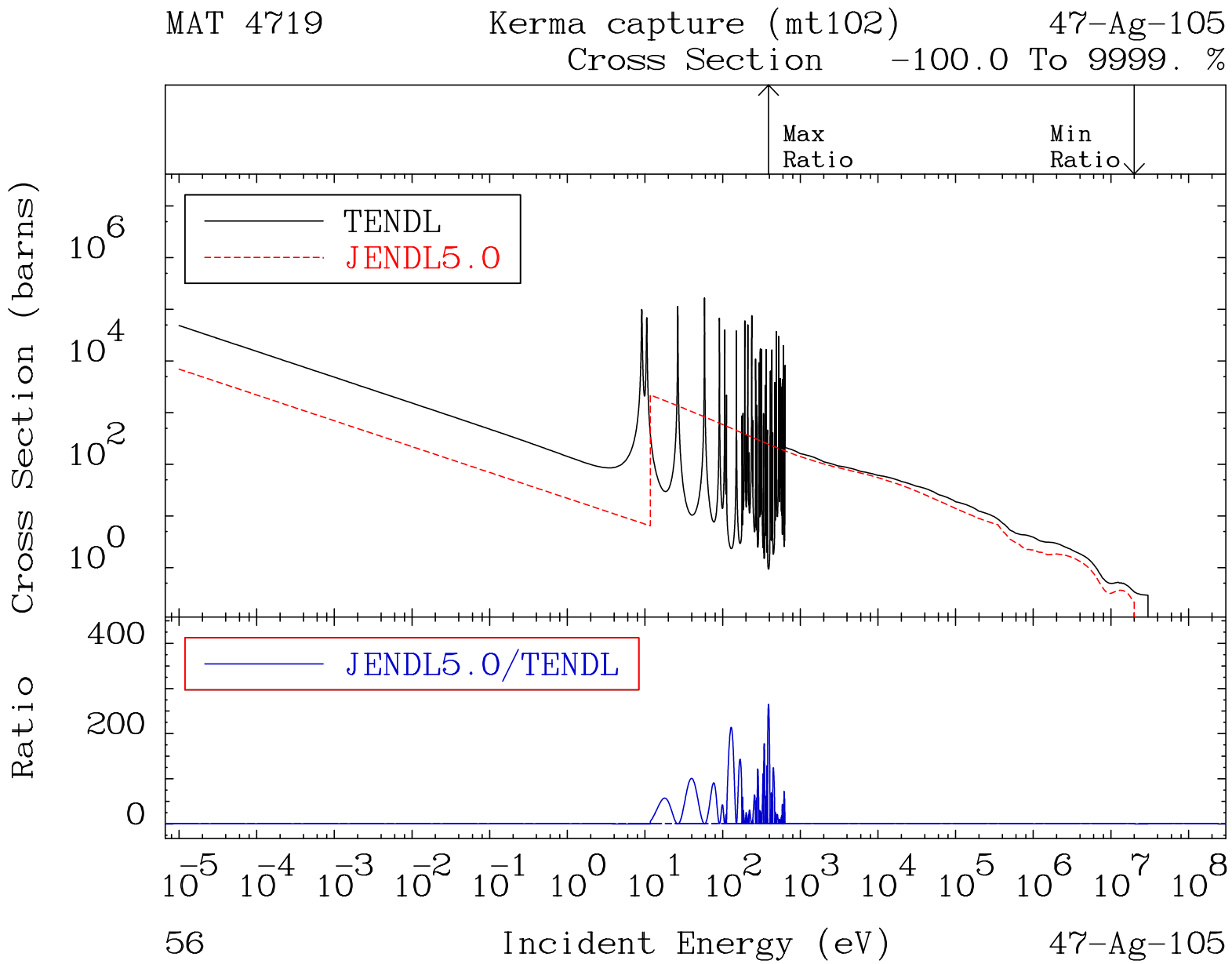

MAT 4719
Kerma total (eV-barns)
47-Ag-105
Cross Section -99.95 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
47-Ag-105

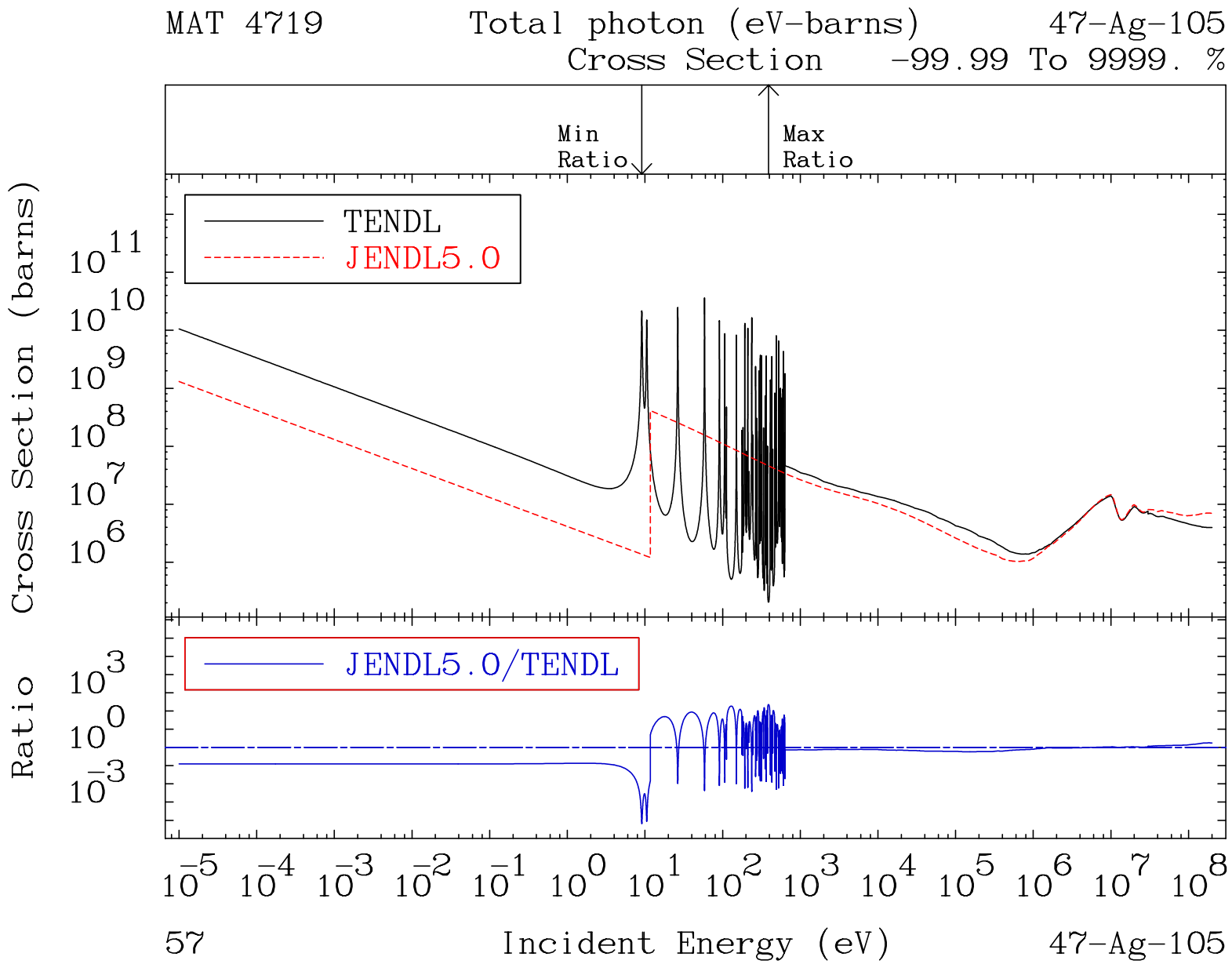

MAT 4719
Kerma elastic
Cross Section
47-Ag-105
-99.41 To 4045. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
47-Ag-105

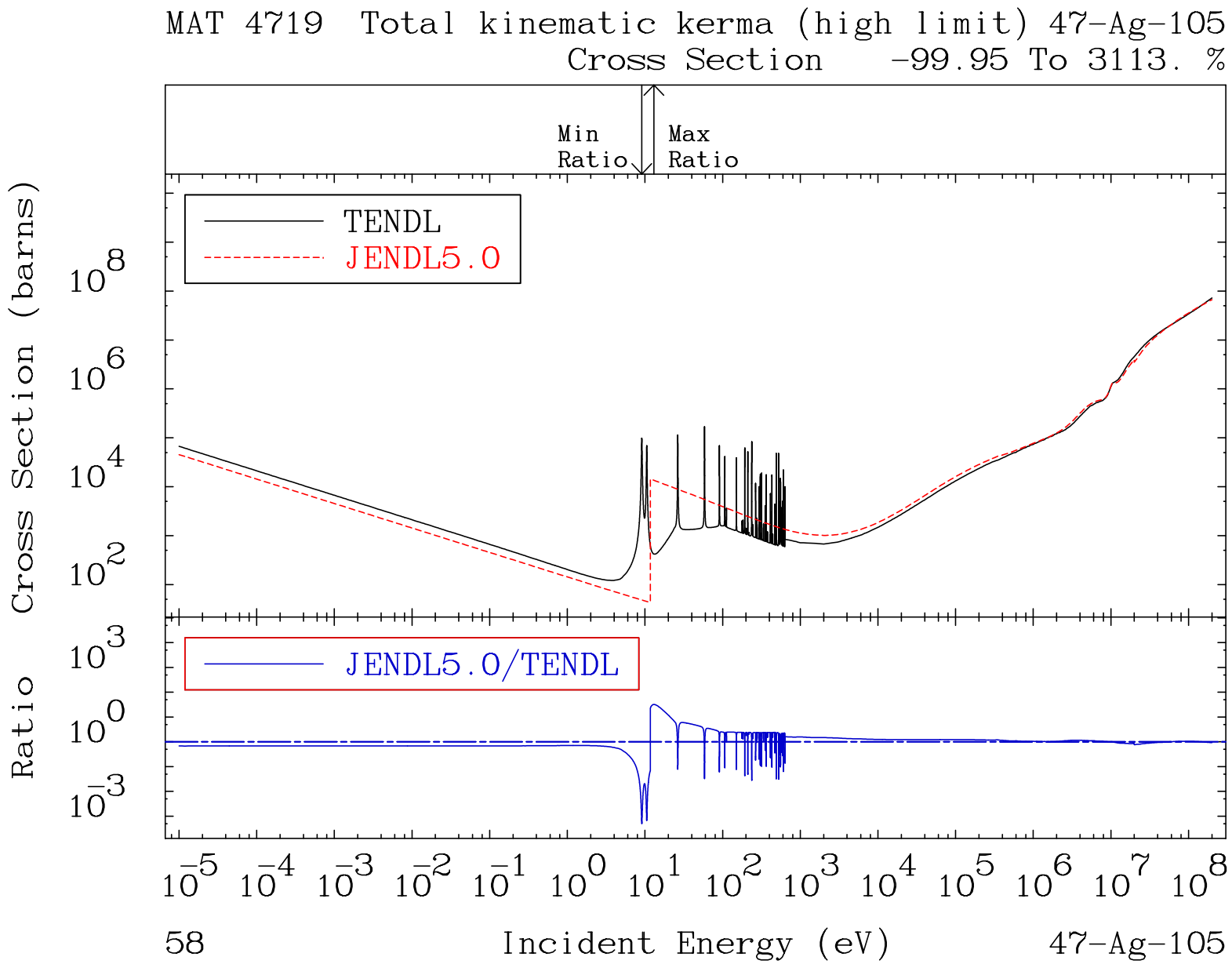

MAT 4719 Kerma non-elastic (all but mt2) 47-Ag-105
Cross Section -99.95 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
47-Ag-105

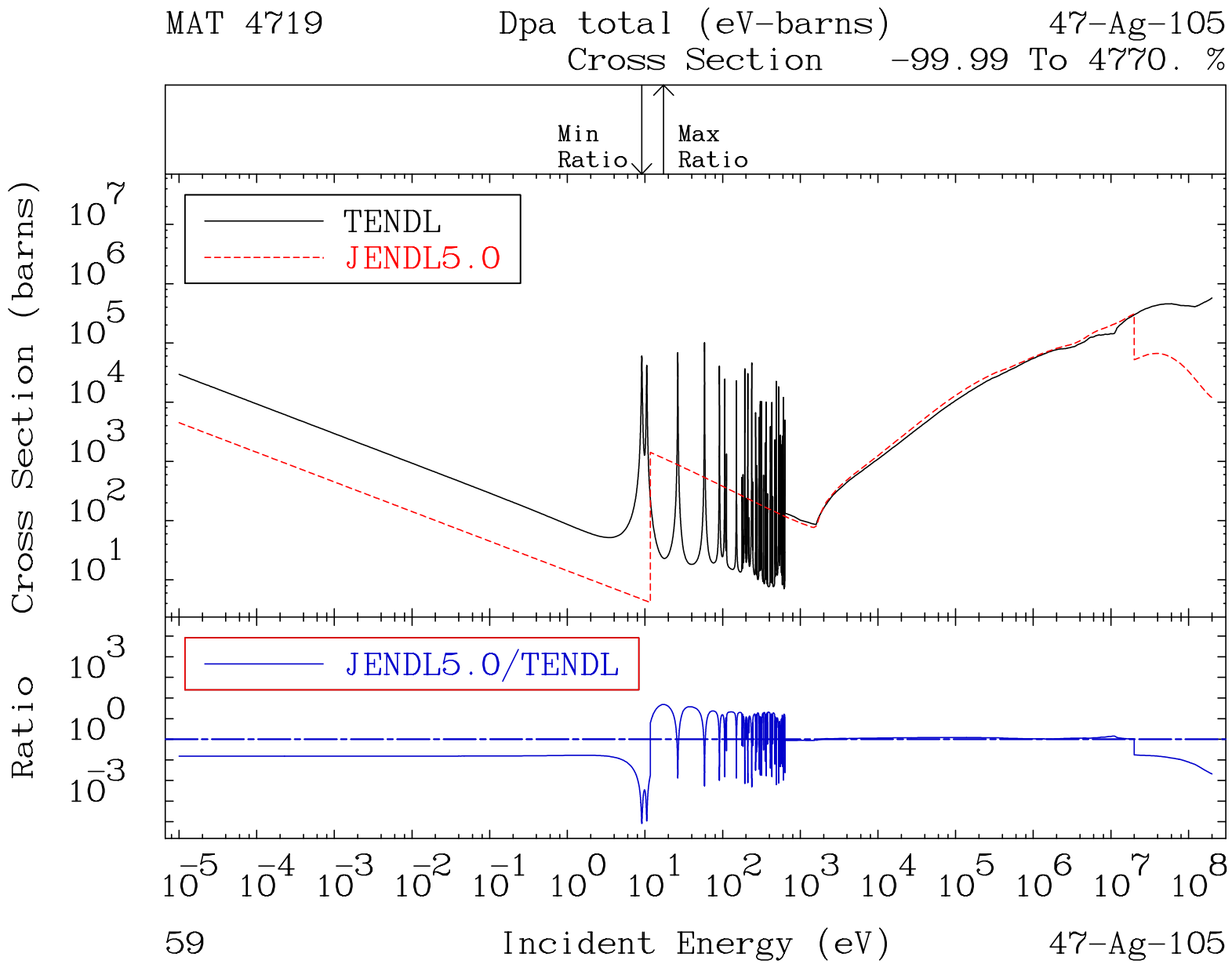

MAT 4719
Kerma inelastic (mt51-91)
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 25.713 keV
JENDL5.0 Threshold 25.724 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
47-Ag-105

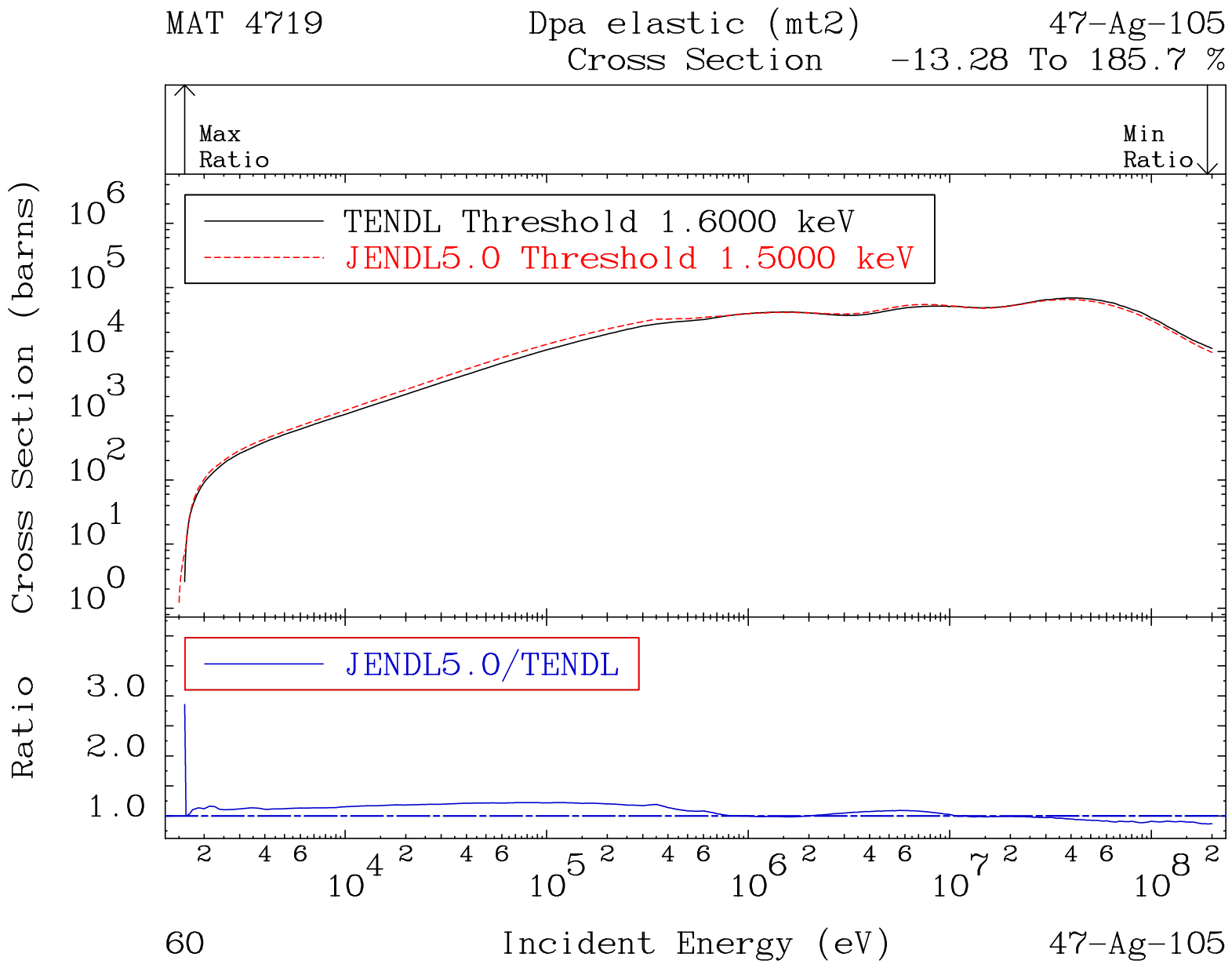

MAT 4719 Kerma fission (mt18 or mt19-20-21-38) 47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
200
100
0
$10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$ $10^{0}$ $10^{1}$ $10^{2}$ $10^{3}$ $10^{4}$ $10^{5}$ $10^{6}$ $10^{7}$ $10^{8}$
55
Incident Energy (eV)
47-Ag-105

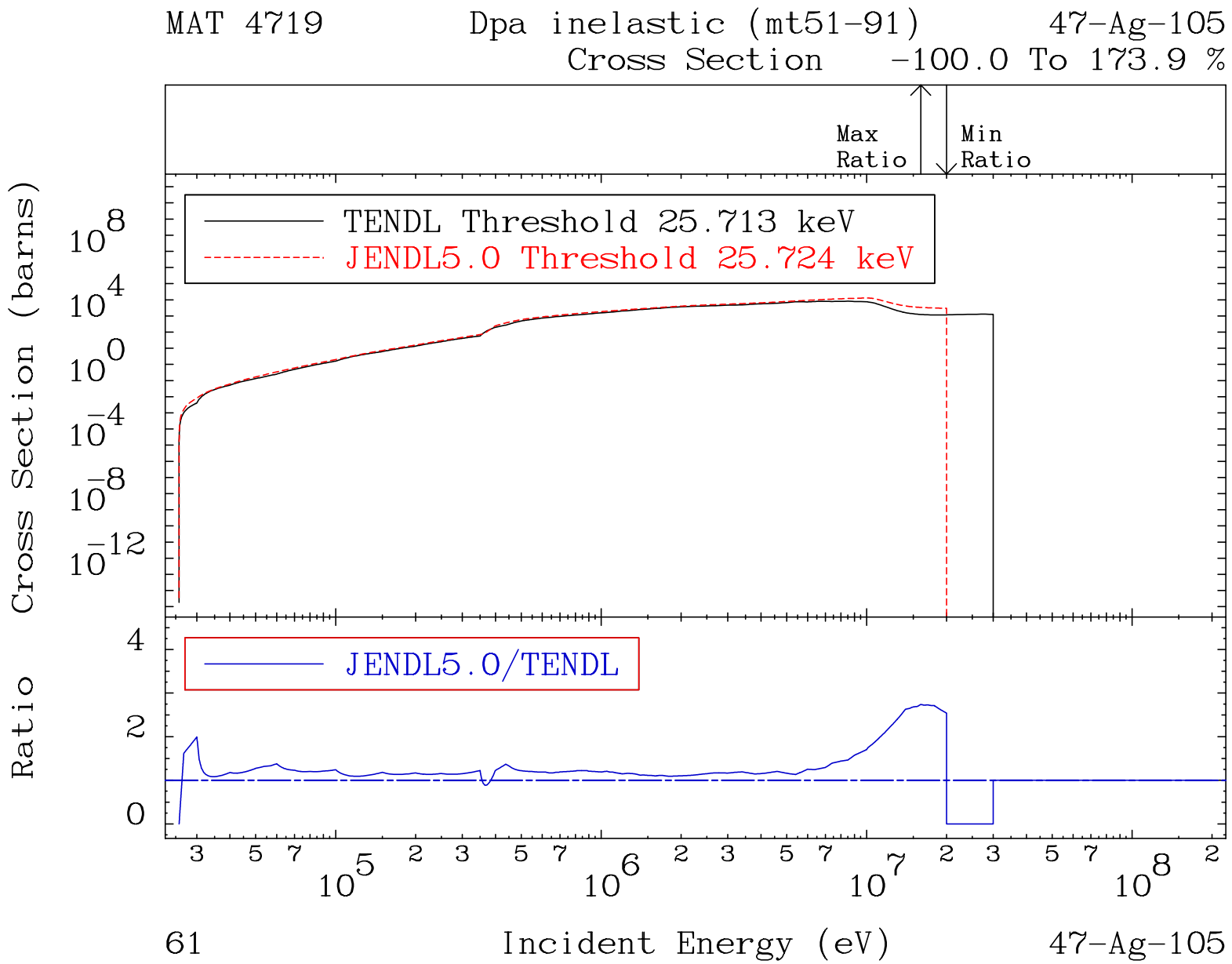

MAT 4719
Kerma capture (mt102)
47-Ag-105
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^6
10^4
10^2
10^0
JENDL5.0/TENDL
Ratio
400
200
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
56
Incident Energy (eV)
47-Ag-105

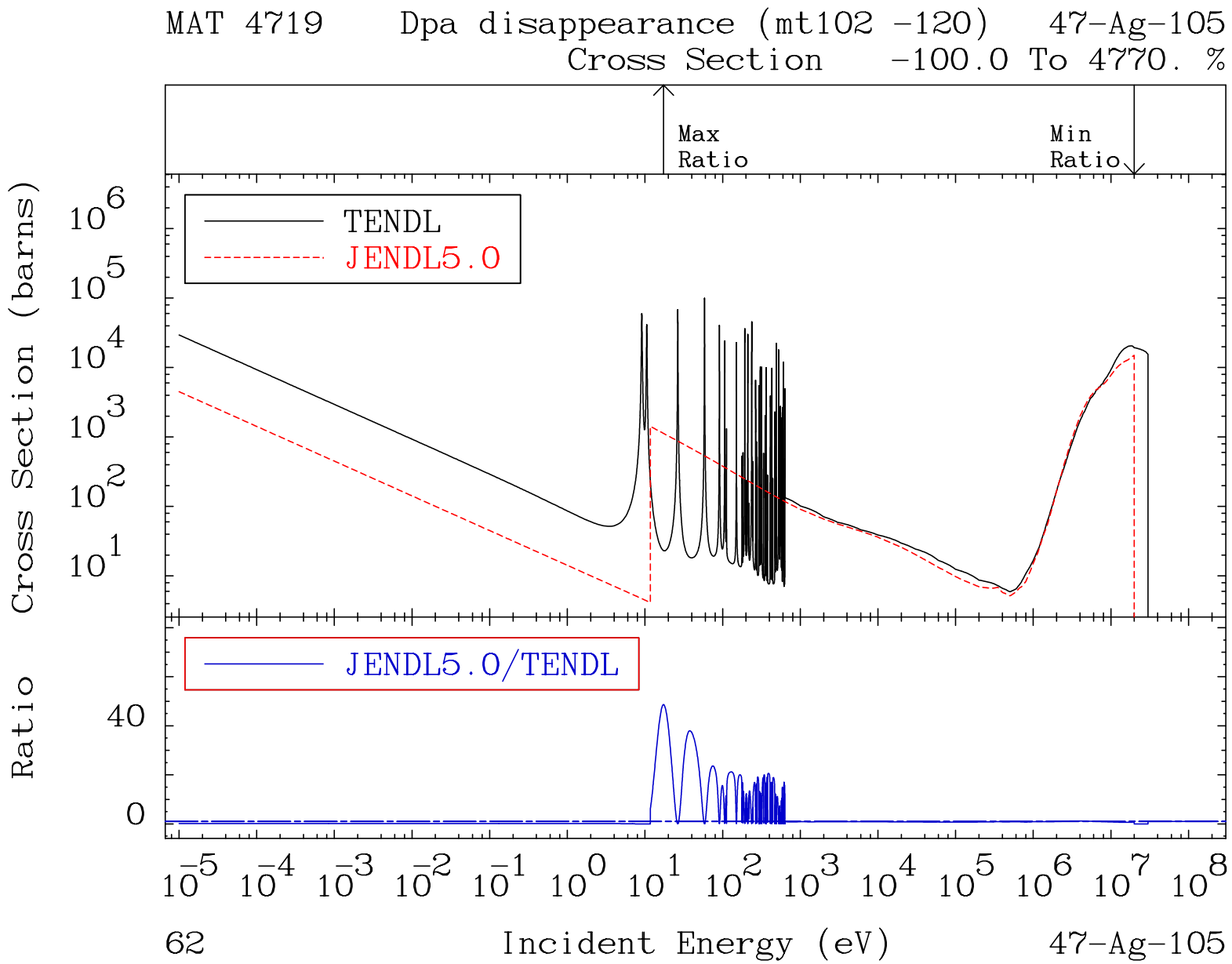

MAT 4719
Total photon (eV-barns)
47-Ag-105
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
47-Ag-105

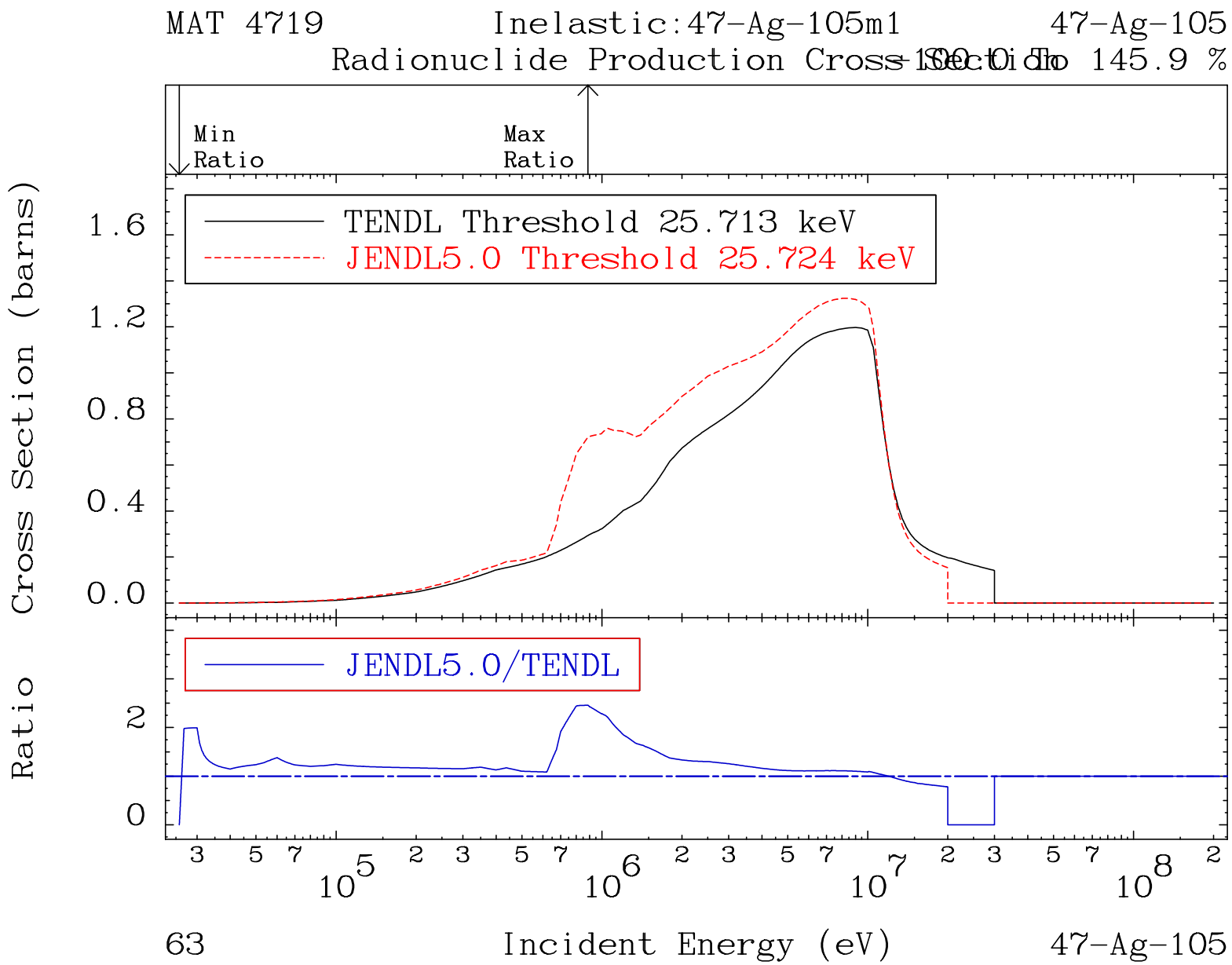

MAT 4719 Total kinematic kerma (high limit) 47-Ag-105
Cross Section -99.95 To 3113. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
47-Ag-105

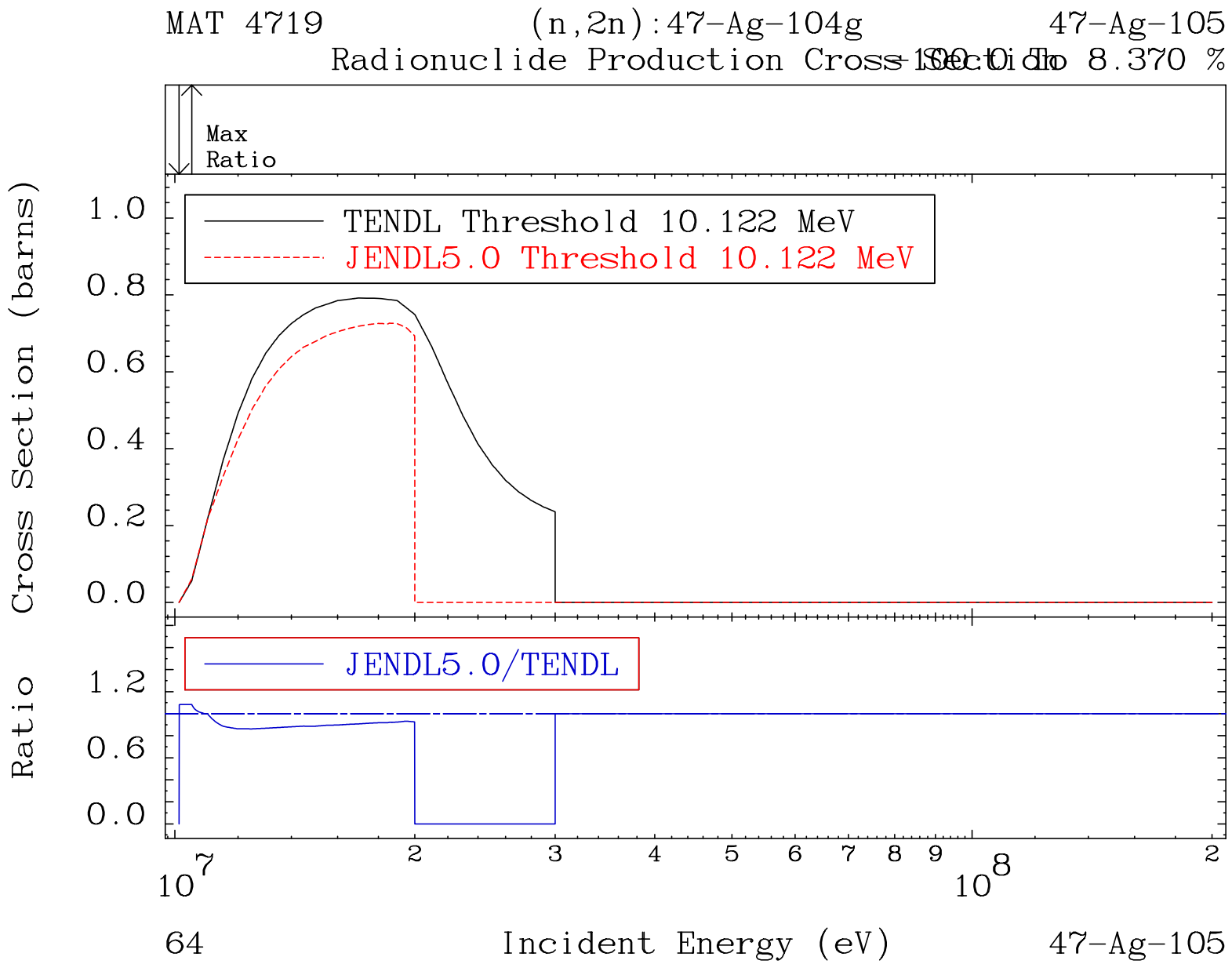

MAT 4719
Dpa total (eV-barns)
47-Ag-105
Cross Section -99.99 To 4770. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
47-Ag-105

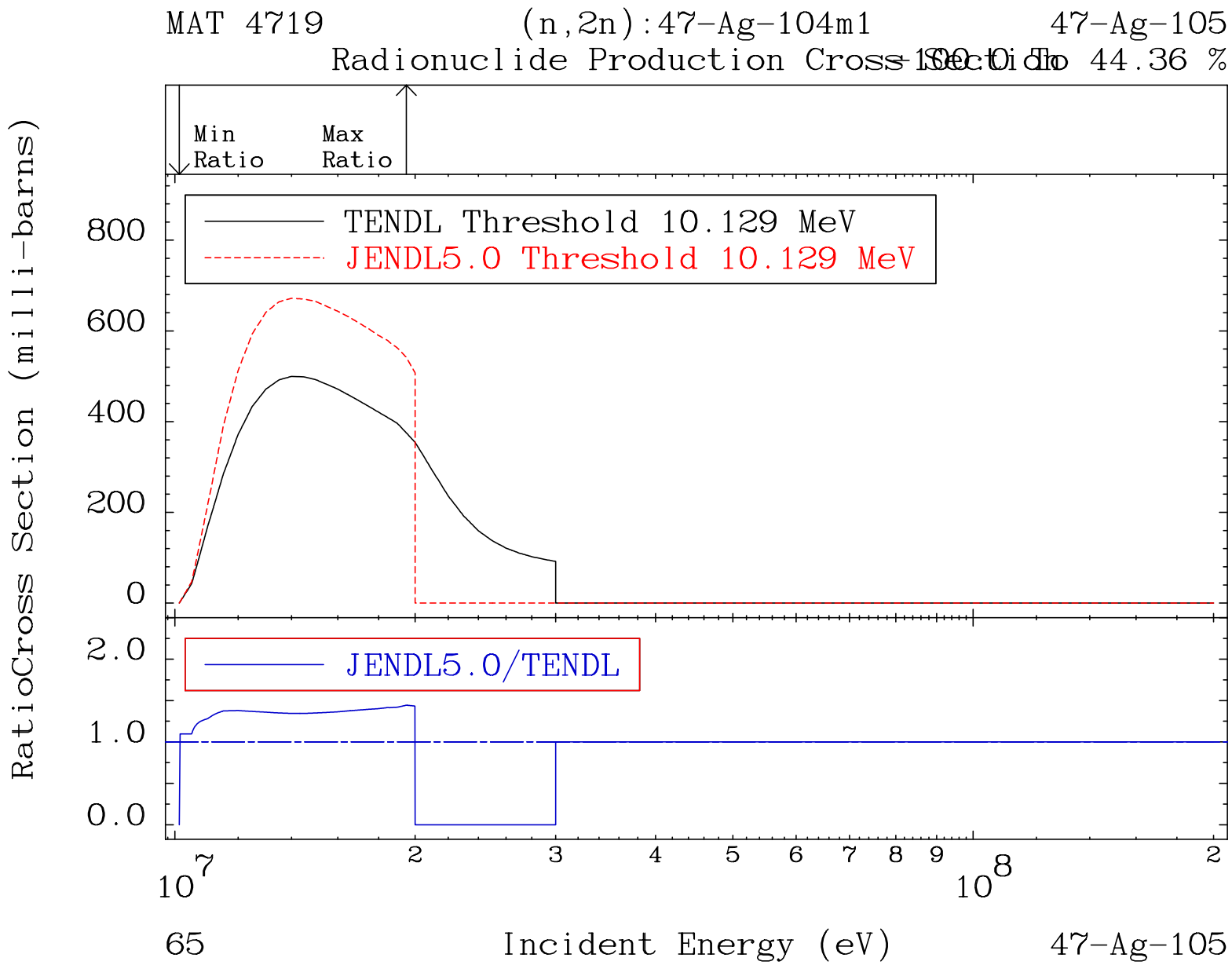

MAT 4719
Dpa elastic (mt2)
Cross Section
47-Ag-105
-13.28 To 185.7 %
Max Ratio
Min Ratio
TENDL Threshold 1.6000 keV
JENDL5.0 Threshold 1.5000 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
47-Ag-105

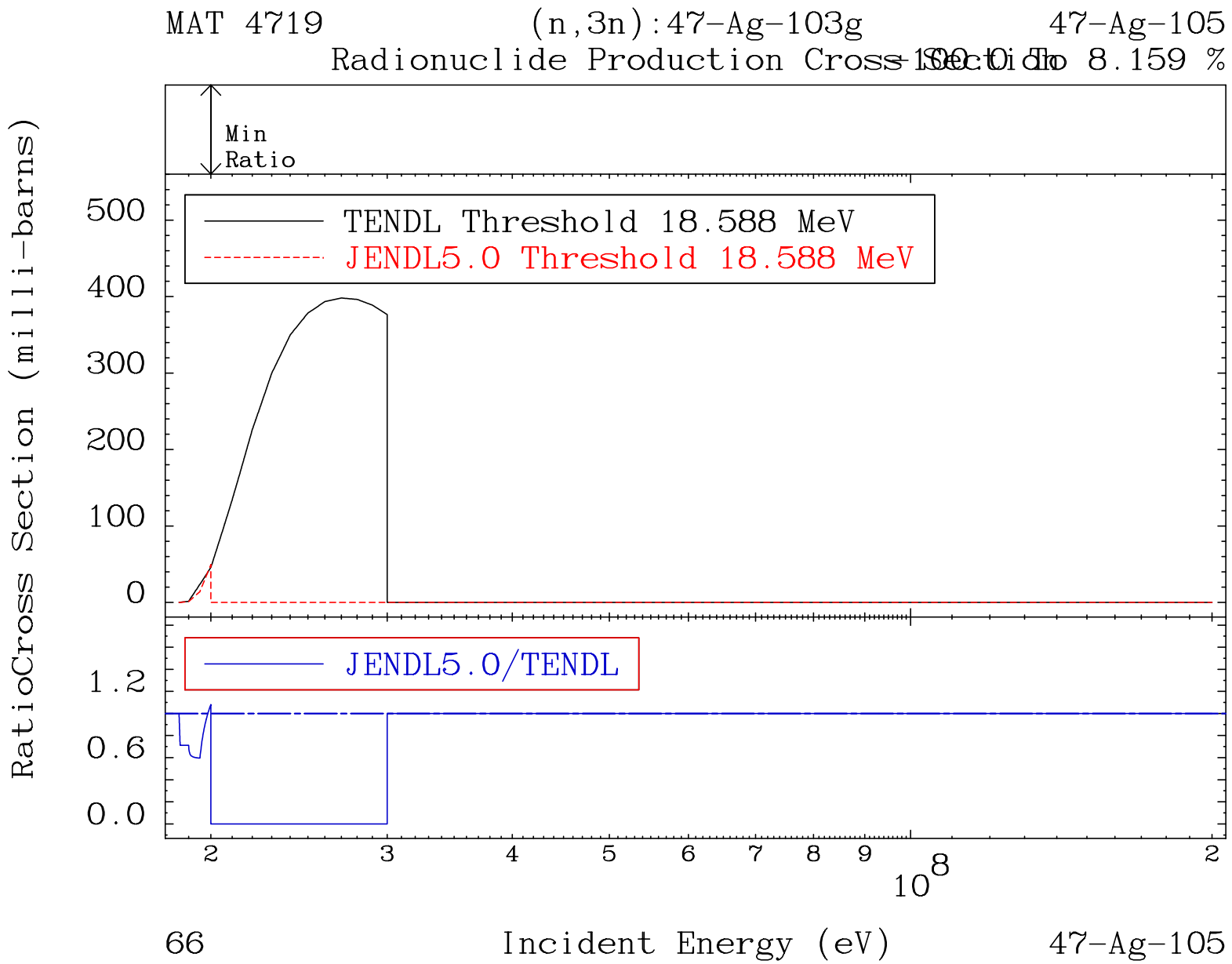

MAT 4719
Dpa inelastic (mt51-91)
47-Ag-105
Cross Section
-100.0 To 173.9 %
Max Ratio
Min Ratio
TENDL Threshold 25.713 keV
JENDL5.0 Threshold 25.724 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
61
47-Ag-105

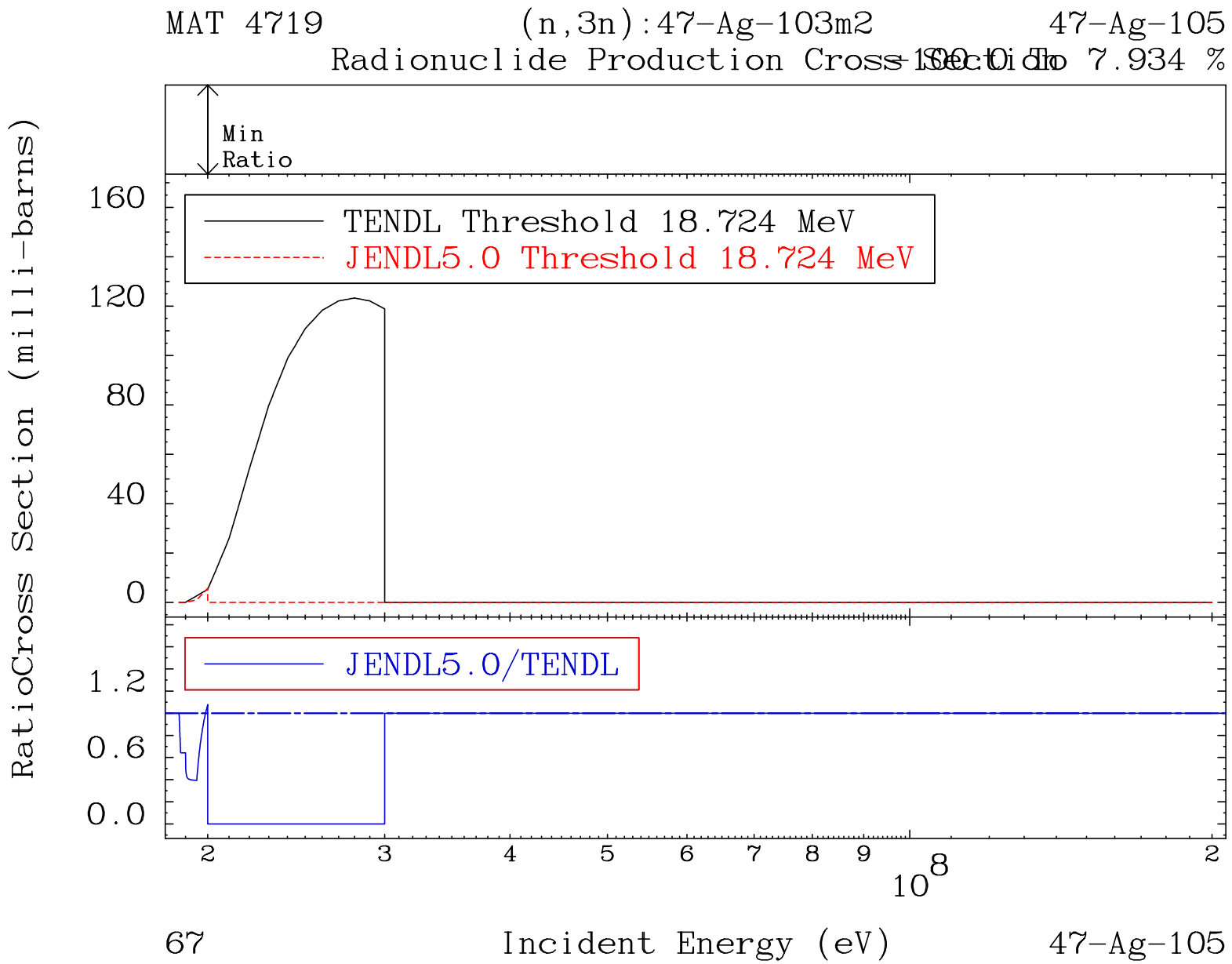

MAT 4719 Dpa disappearance (mt102 -120) 47-Ag-105
Cross Section -100.0 To 4770. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
62
47-Ag-105

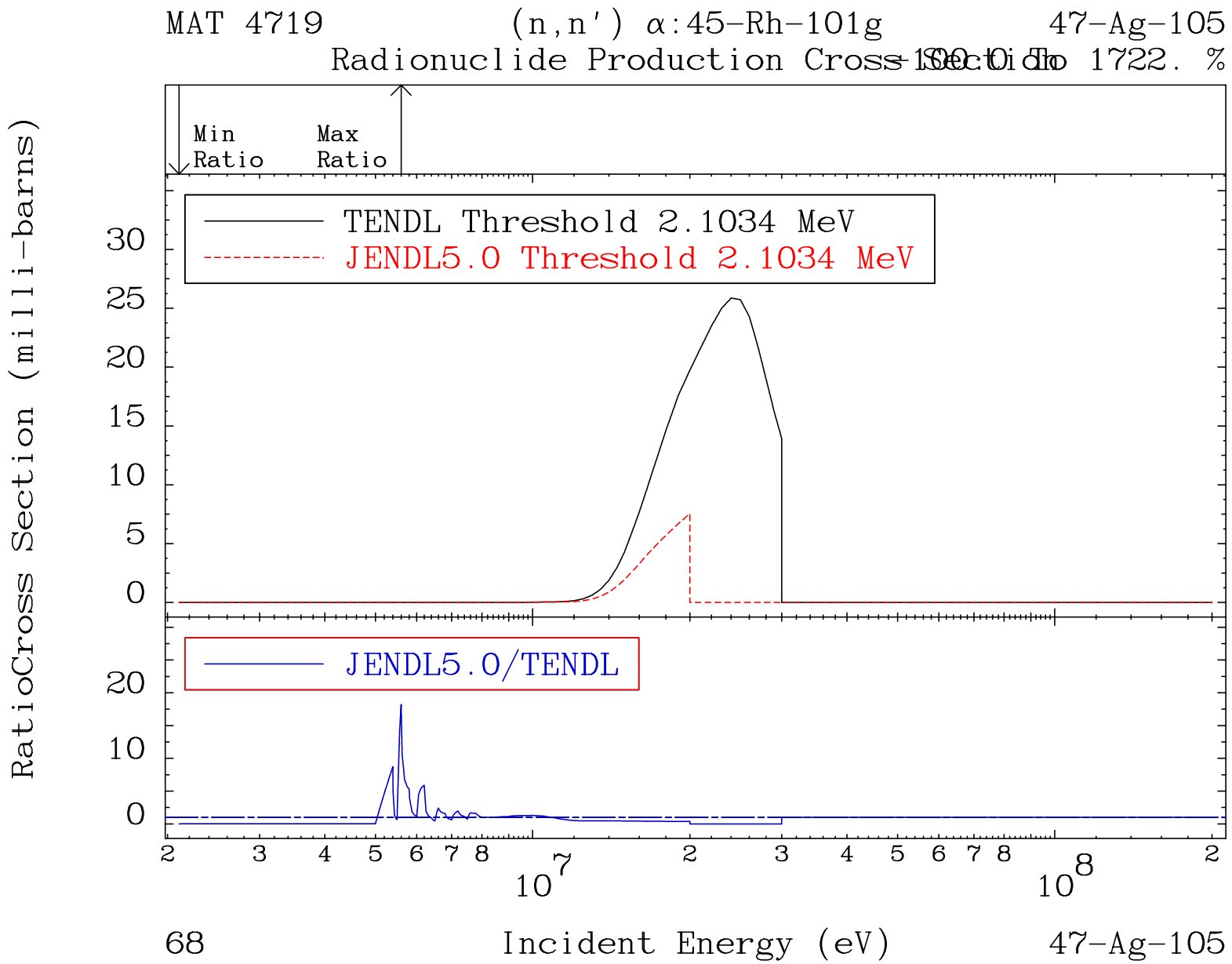

MAT 4719
Inelastic:47-Ag-105m1
47-Ag-105
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 25.713 keV
JENDL5.0 Threshold 25.724 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
47-Ag-105

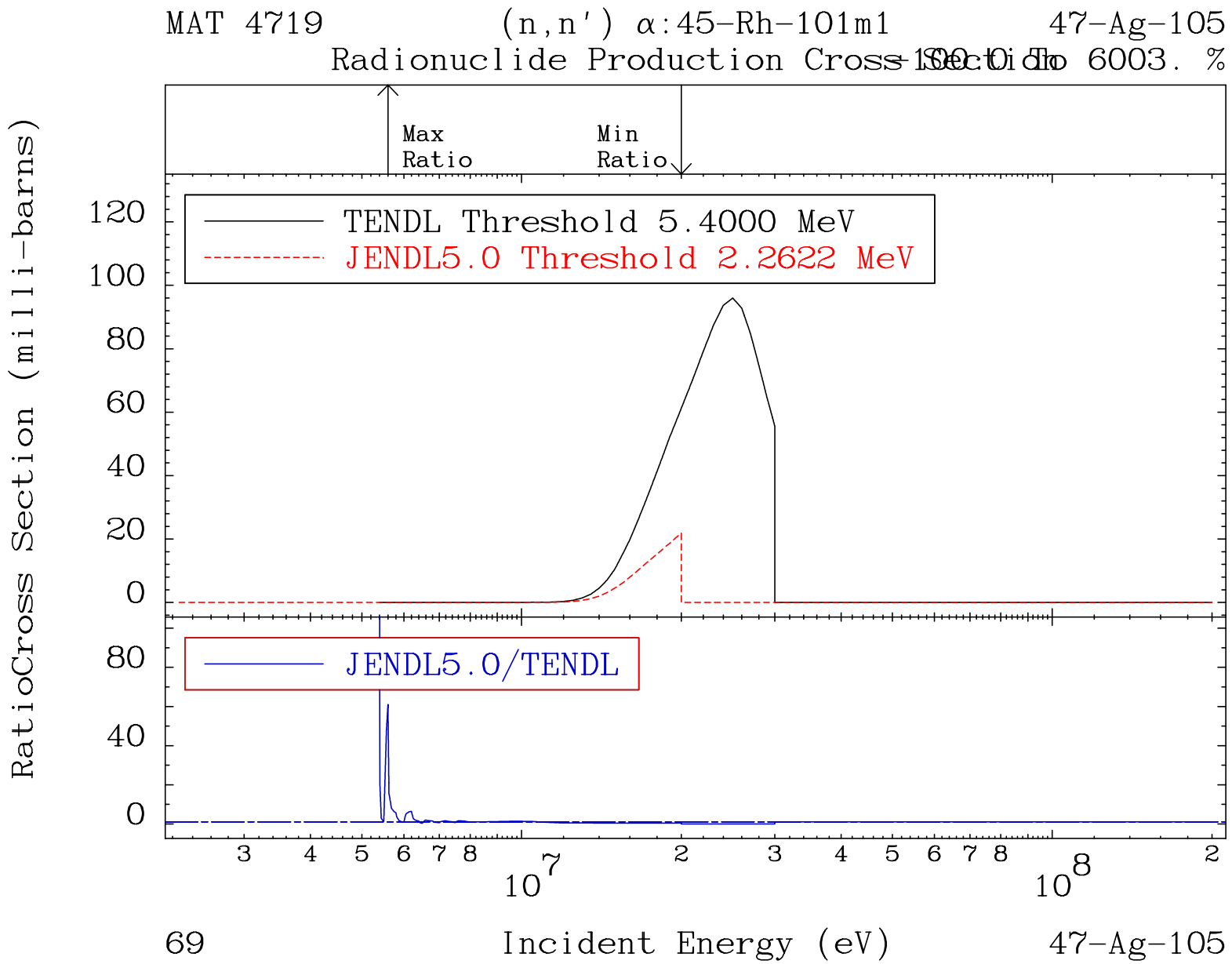

MAT 4719
(n,2n):47-Ag-104g
47-Ag-105
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 10.122 MeV
JENDL5.0 Threshold 10.122 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
47-Ag-105

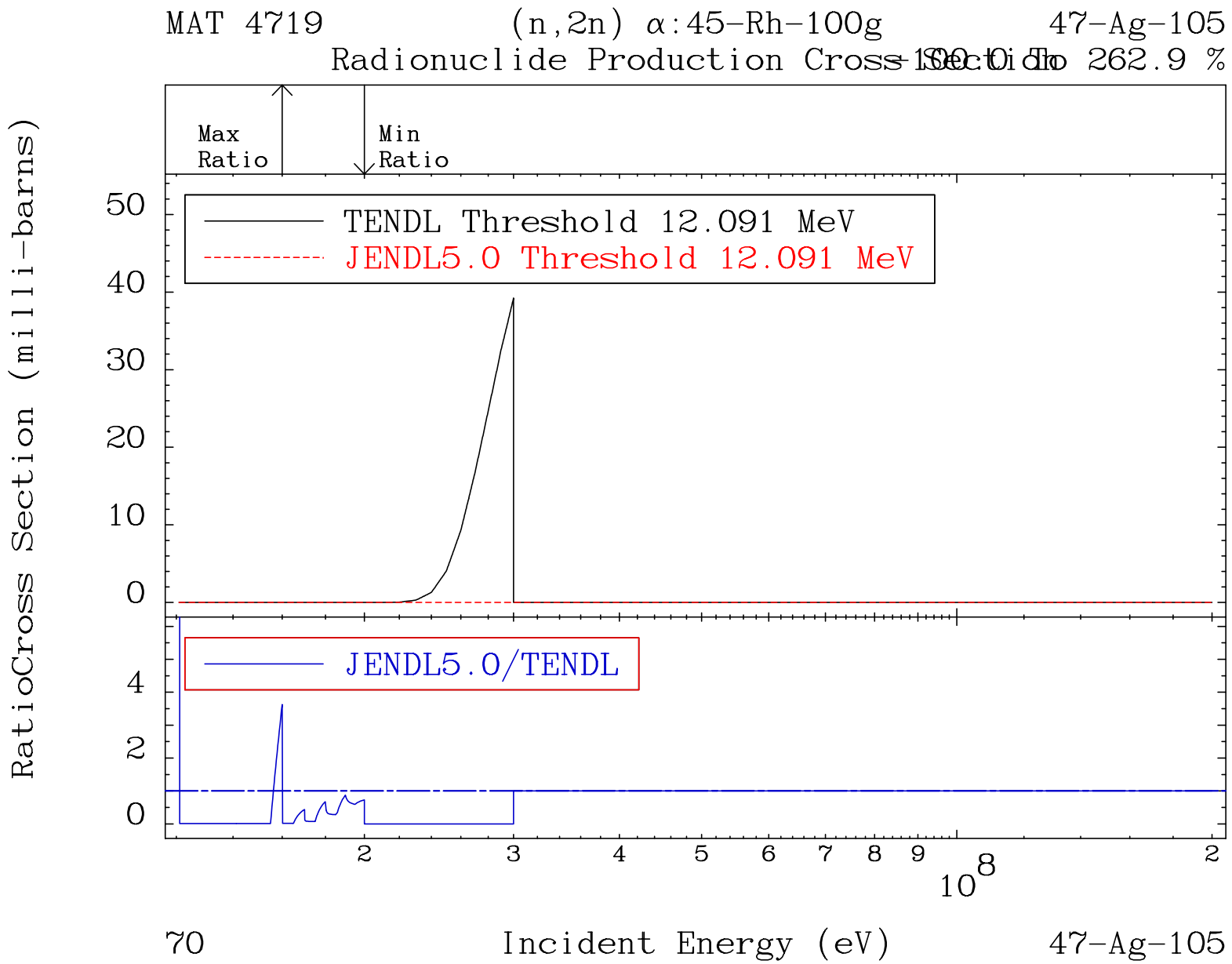

MAT 4719
(n,2n):47-Ag-104m1
47-Ag-105
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 10.129 MeV
JENDL5.0 Threshold 10.129 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
47-Ag-105

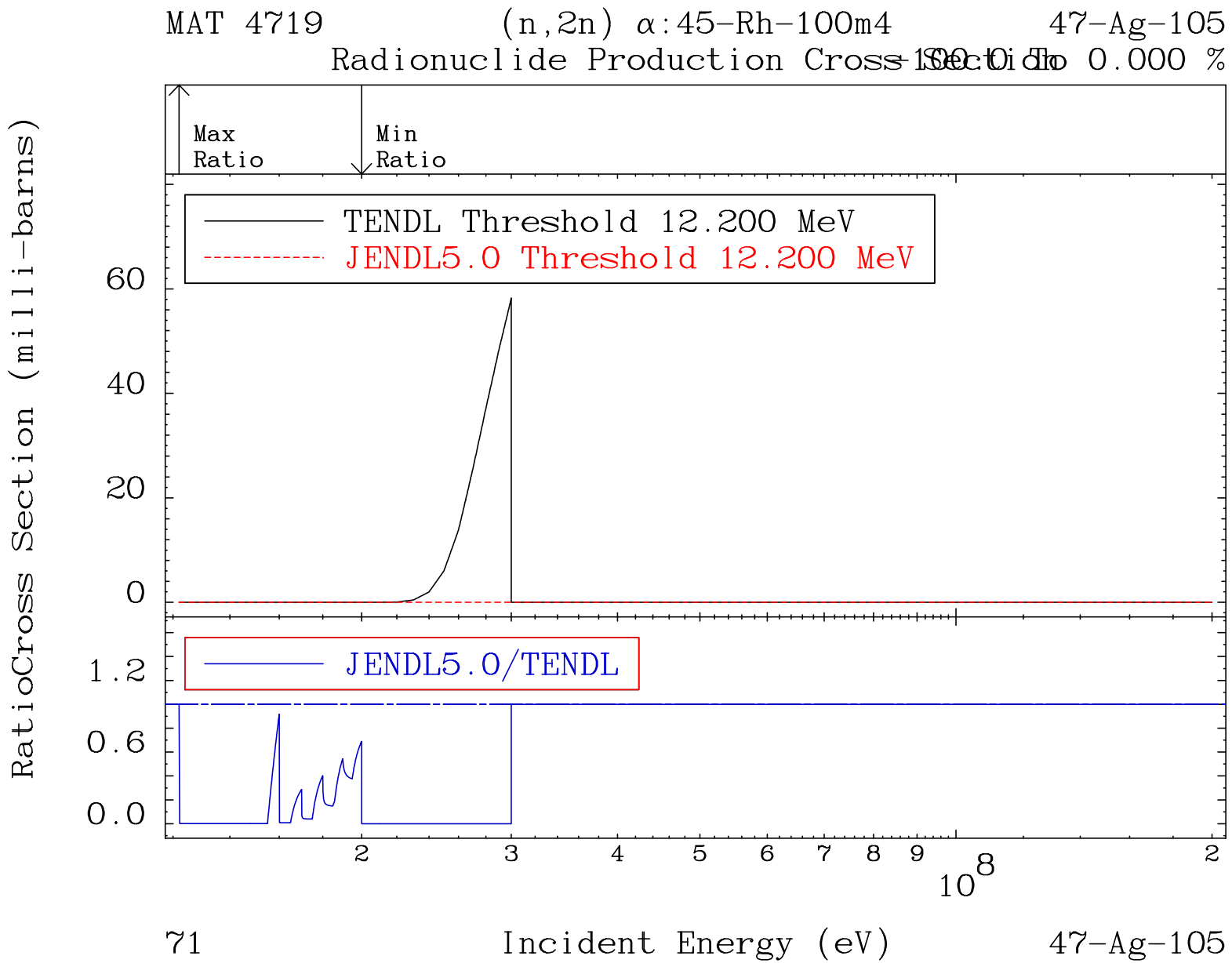

MAT 4719
(n,3n):47-Ag-103g
47-Ag-105
Radionuclide Production Cross Section
Min Ratio
TENDL Threshold 18.588 MeV
JENDL5.0 Threshold 18.588 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
66
Incident Energy (eV)
47-Ag-105

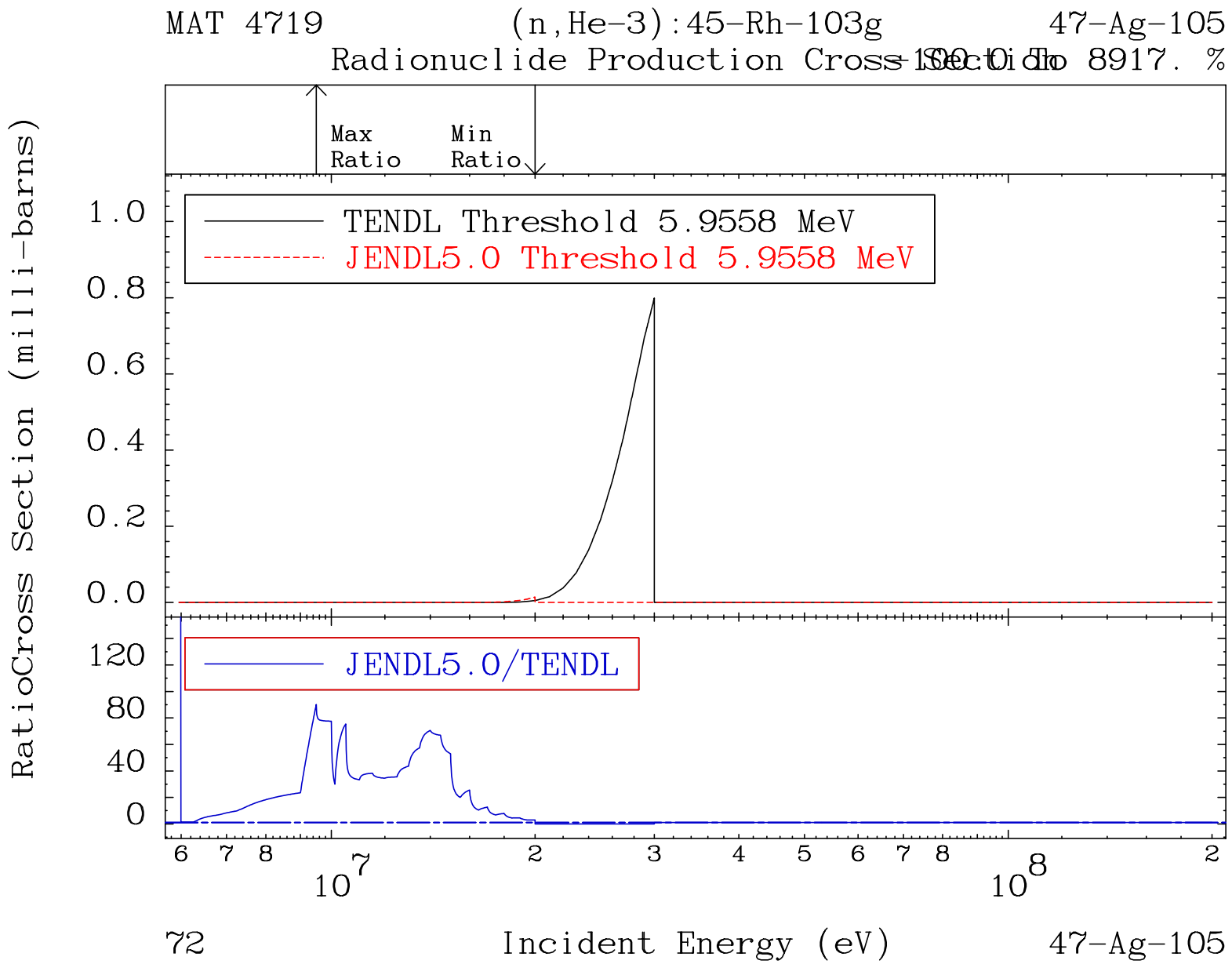

MAT 4719
(n,3n):47-Ag-103m2
47-Ag-105
Radionuclide Production Cross Section To 7.934 %
Min
Ratio
160
120
80
40
0
TENDL Threshold 18.724 MeV
JENDL5.0 Threshold 18.724 MeV
1.2
0.6
0.0
JENDL5.0/TENDL
2
3
4
5
6
7
8
9
2
10^8
RatioCross Section (milli-barns)
67
Incident Energy (eV)
47-Ag-105

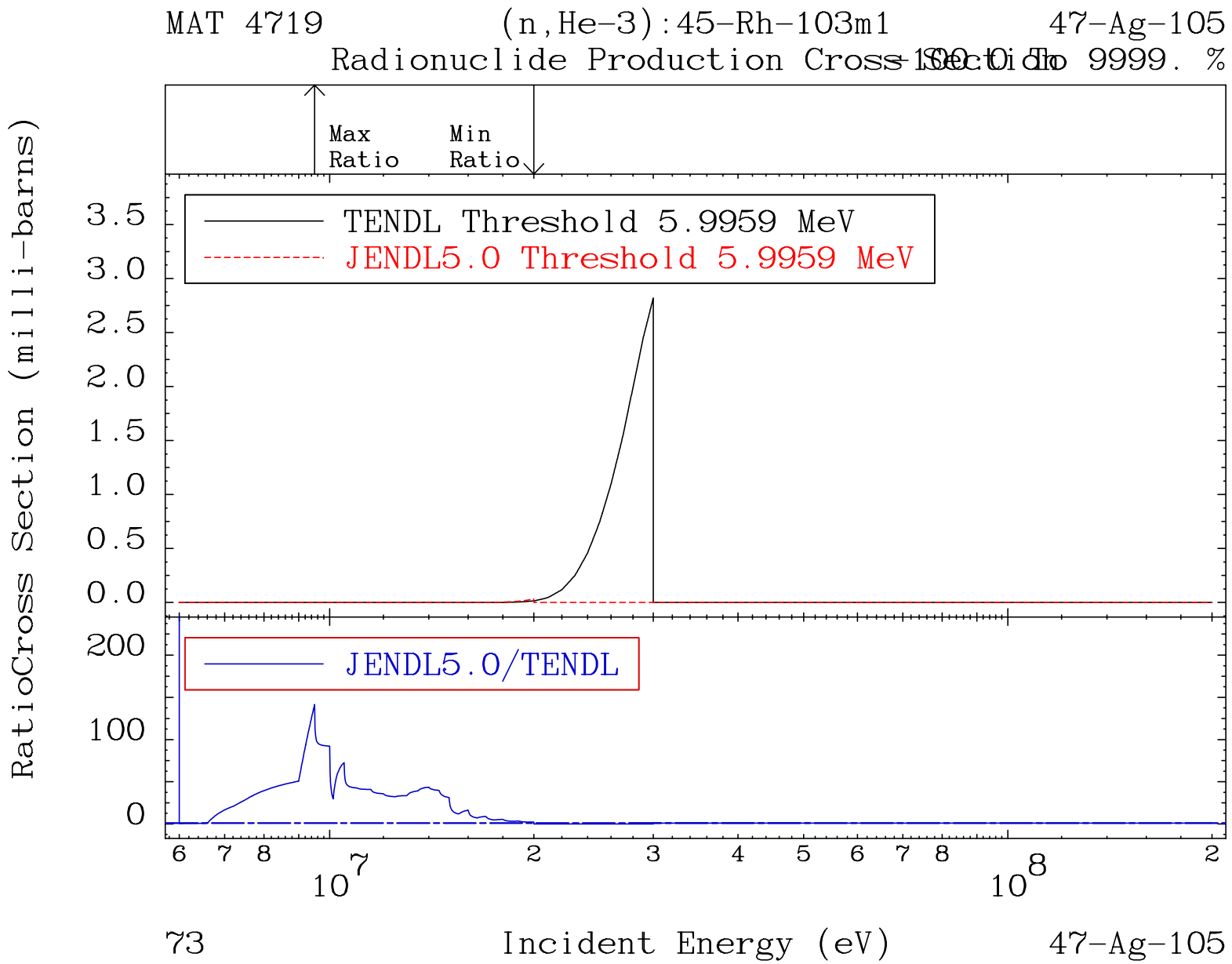

MAT 4719
(n,n') α:45-Rh-101g
47-Ag-105
Radionuclide Production Cross Section To 1722. %
Min Ratio
Max Ratio
TENDL Threshold 2.1034 MeV
JENDL5.0 Threshold 2.1034 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
20
10
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
68
Incident Energy (eV)
47-Ag-105

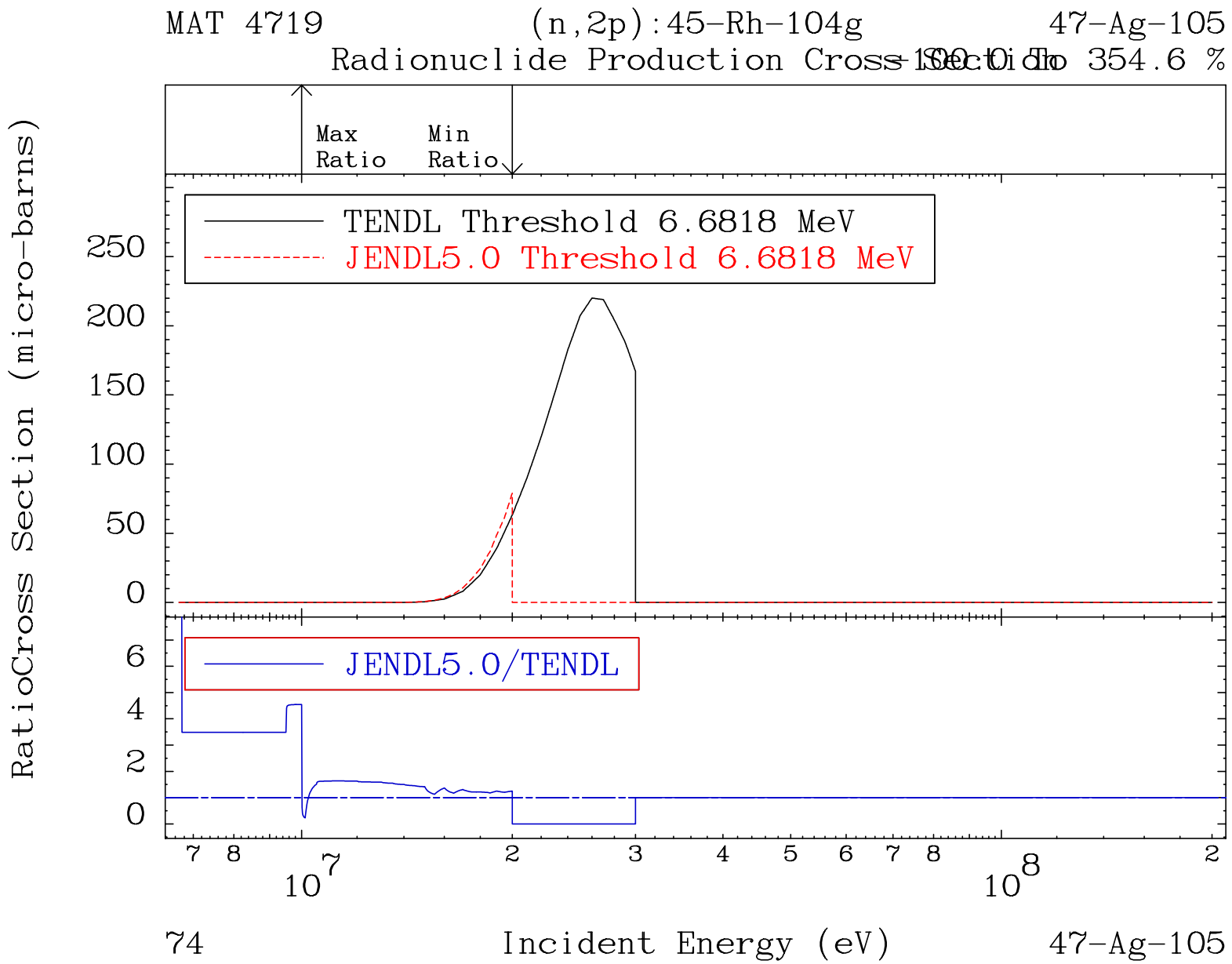

MAT 4719
(n,n') α:45-Rh-101m1
47-Ag-105
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 5.4000 MeV
JENDL5.0 Threshold 2.2622 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
47-Ag-105

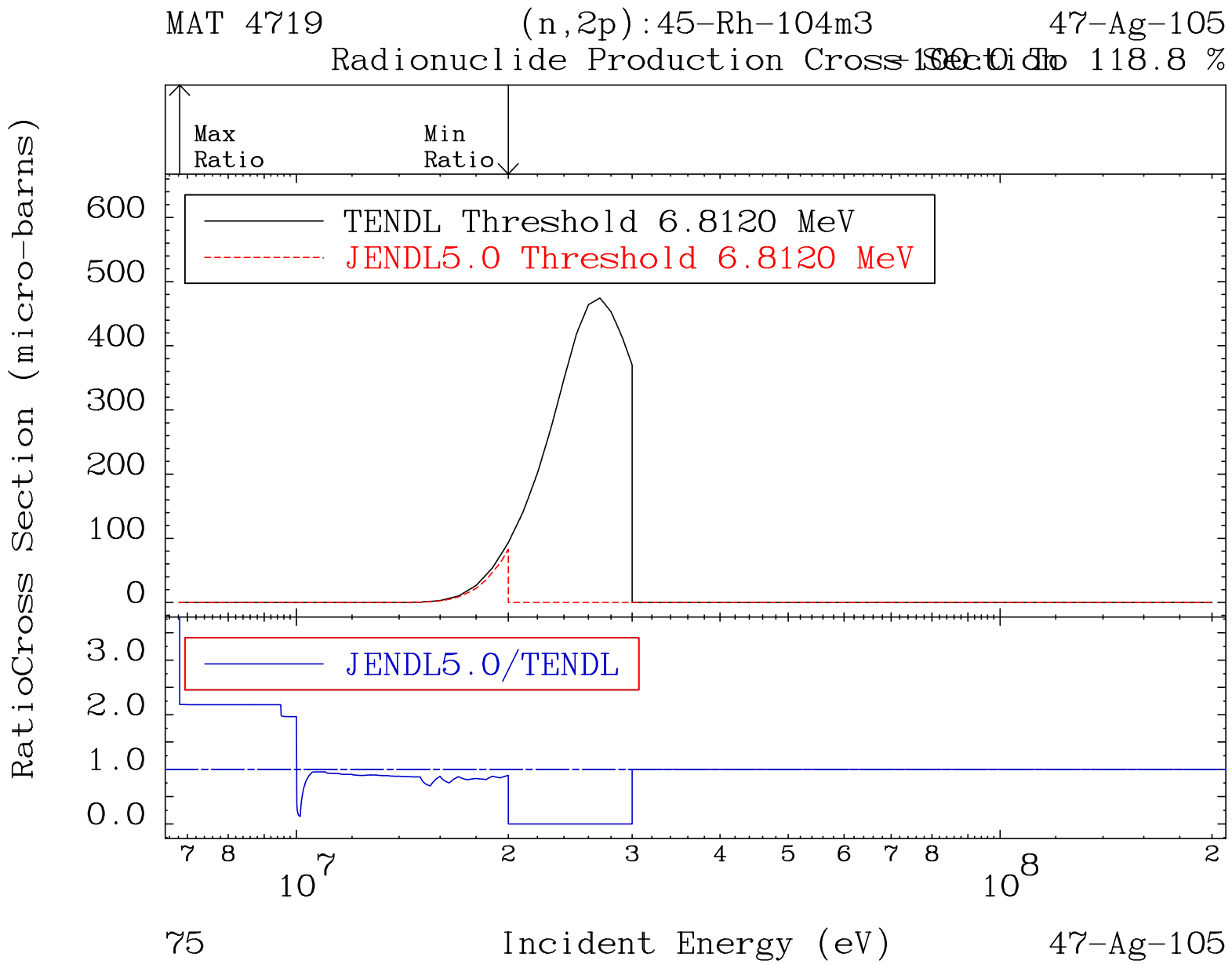

MAT 4719
(n,2n) α:45-Rh-100g
47-Ag-105
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 12.091 MeV
JENDL5.0 Threshold 12.091 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
47-Ag-105


MAT 4719
(n,2n) α:45-Rh-100m4
47-Ag-105
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 12.200 MeV
JENDL5.0 Threshold 12.200 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
71
Incident Energy (eV)
47-Ag-105


MAT 4719
(n,He-3):45-Rh-103g
47-Ag-105
Radionuclide Production Cross Section To 8917. %
Max Ratio
Min Ratio
TENDL Threshold 5.9558 MeV
JENDL5.0 Threshold 5.9558 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
120
80
40
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
72
Incident Energy (eV)
47-Ag-105


MAT 4719
(n,He-3):45-Rh-103m1
47-Ag-105
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 5.9959 MeV
JENDL5.0 Threshold 5.9959 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
73
47-Ag-105


MAT 4719
(n,2p):45-Rh-104g
47-Ag-105
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 6.6818 MeV
JENDL5.0 Threshold 6.6818 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
74
47-Ag-105


MAT 4719
(n,2p):45-Rh-104m3
47-Ag-105
Radionuclide Production Cross Section
Max Ratio = 100.0 To 118.8 %
Max Ratio
Min Ratio
TENDL Threshold 6.8120 MeV
JENDL5.0 Threshold 6.8120 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
3.0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
75
Incident Energy (eV)
47-Ag-105