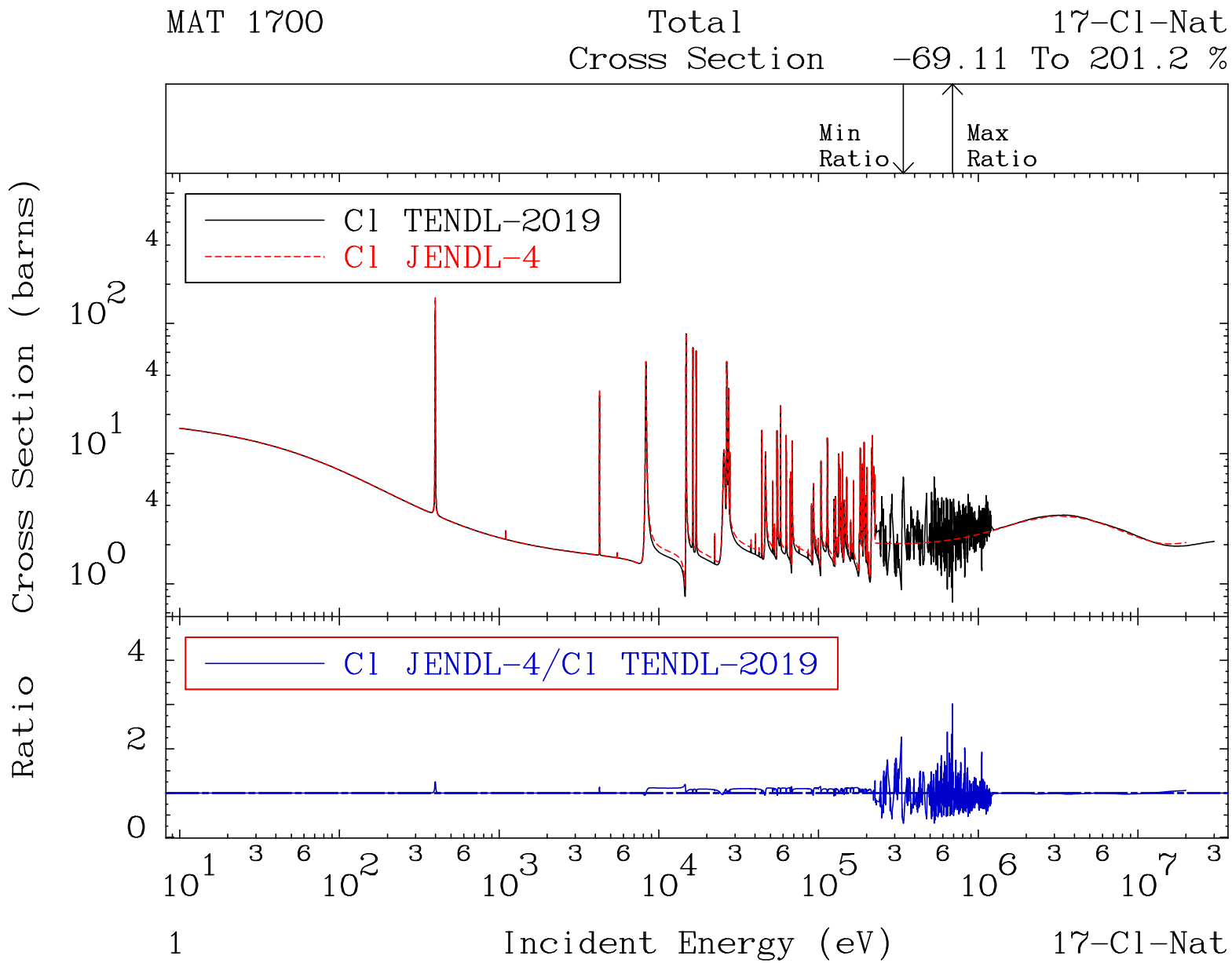
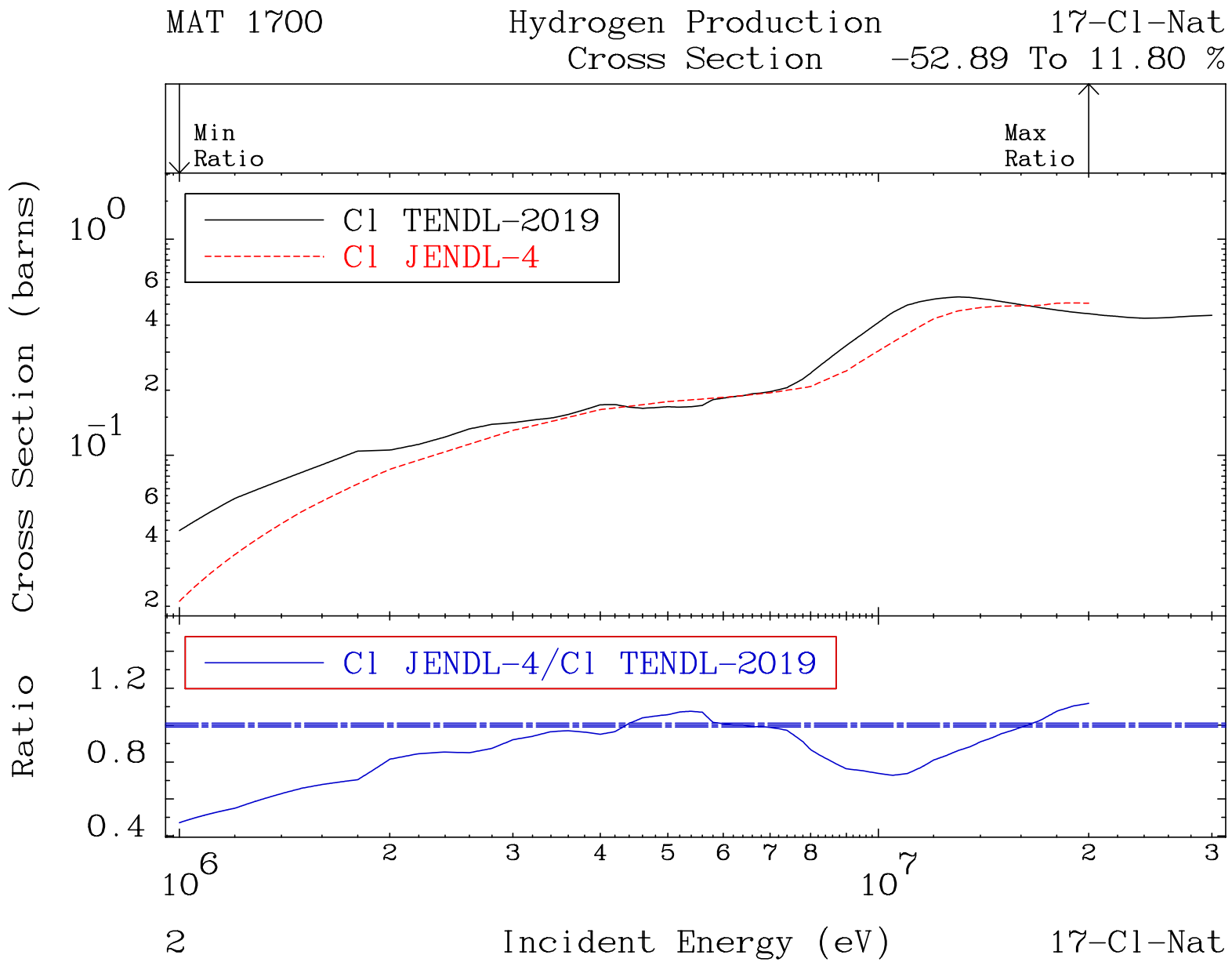
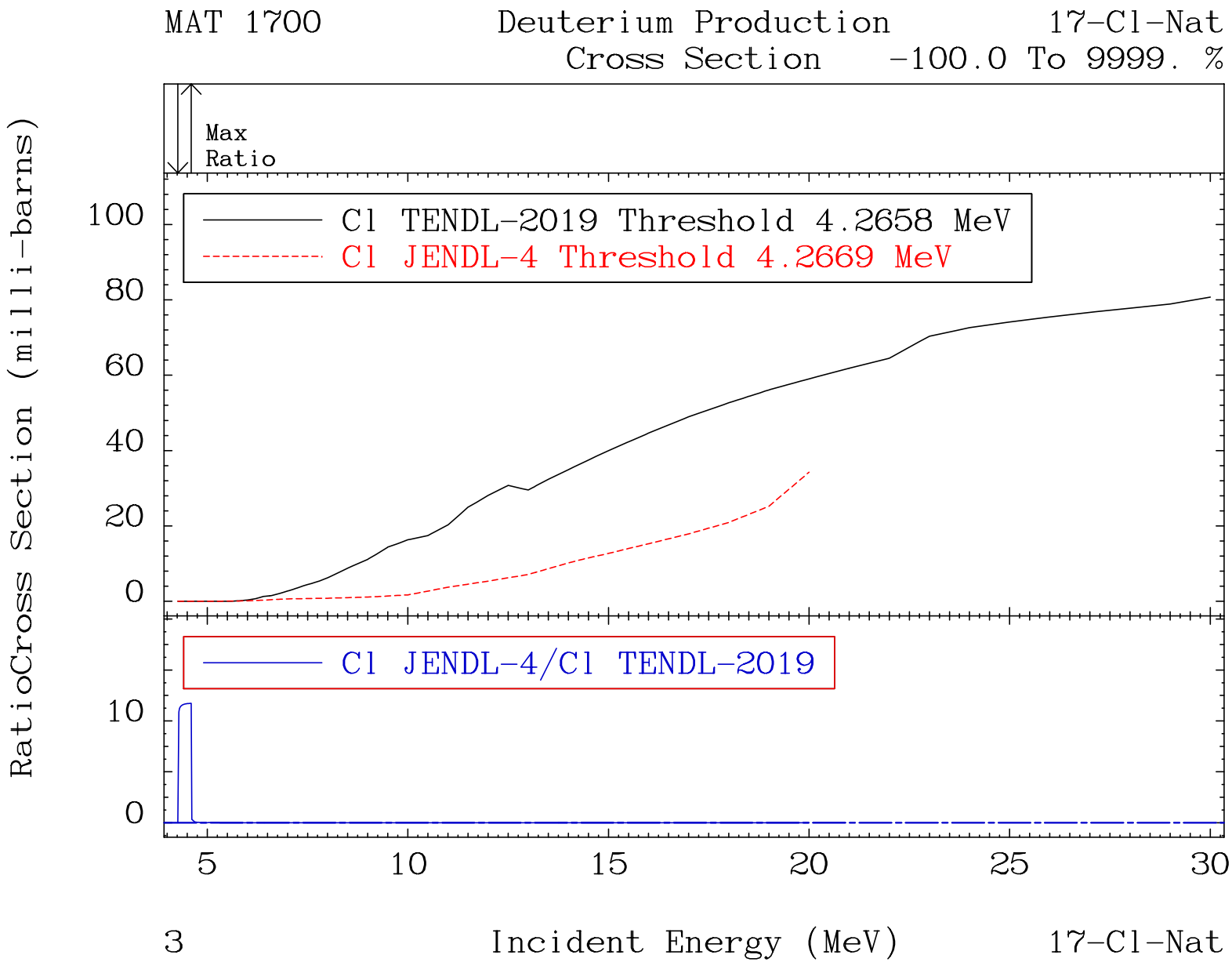
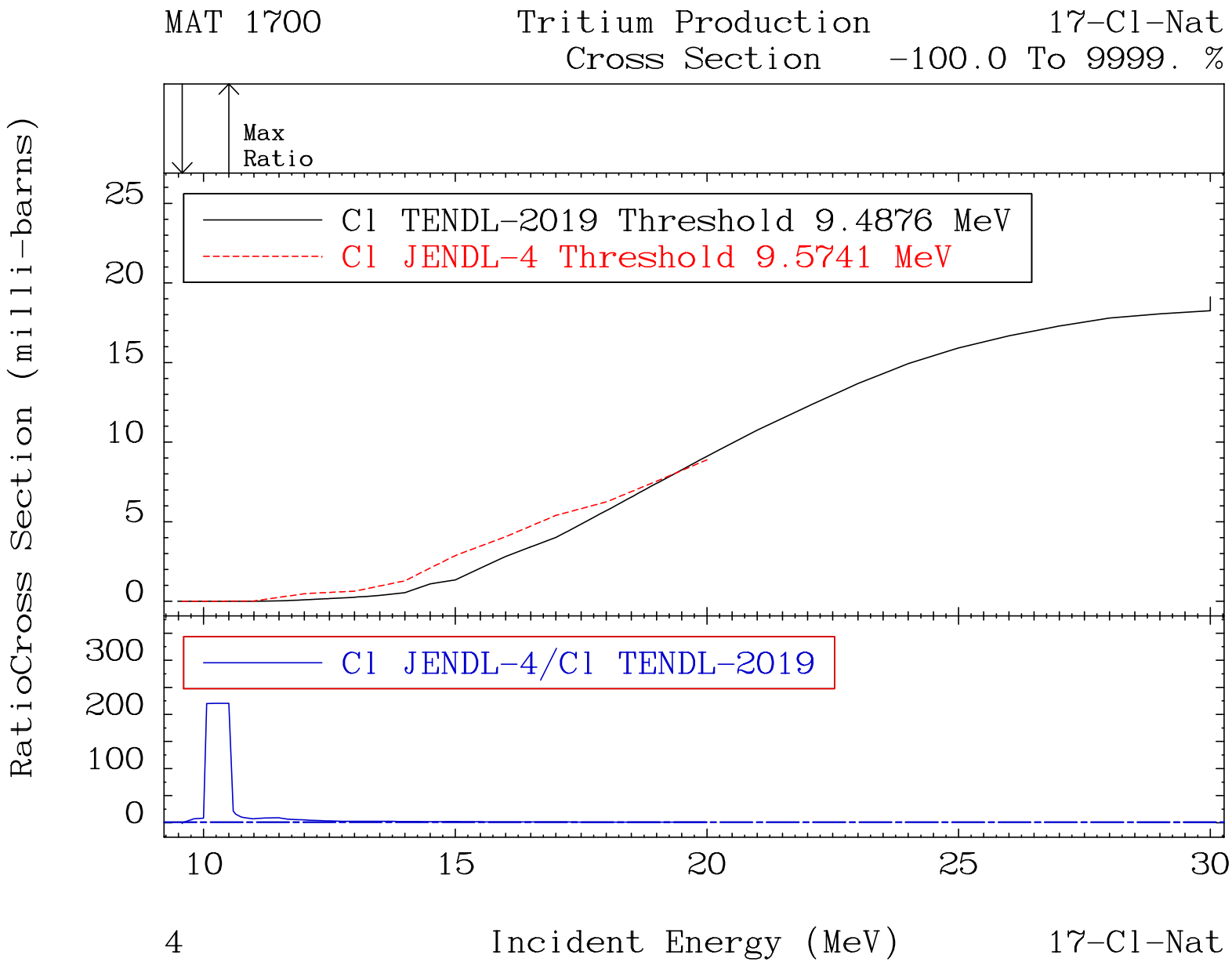
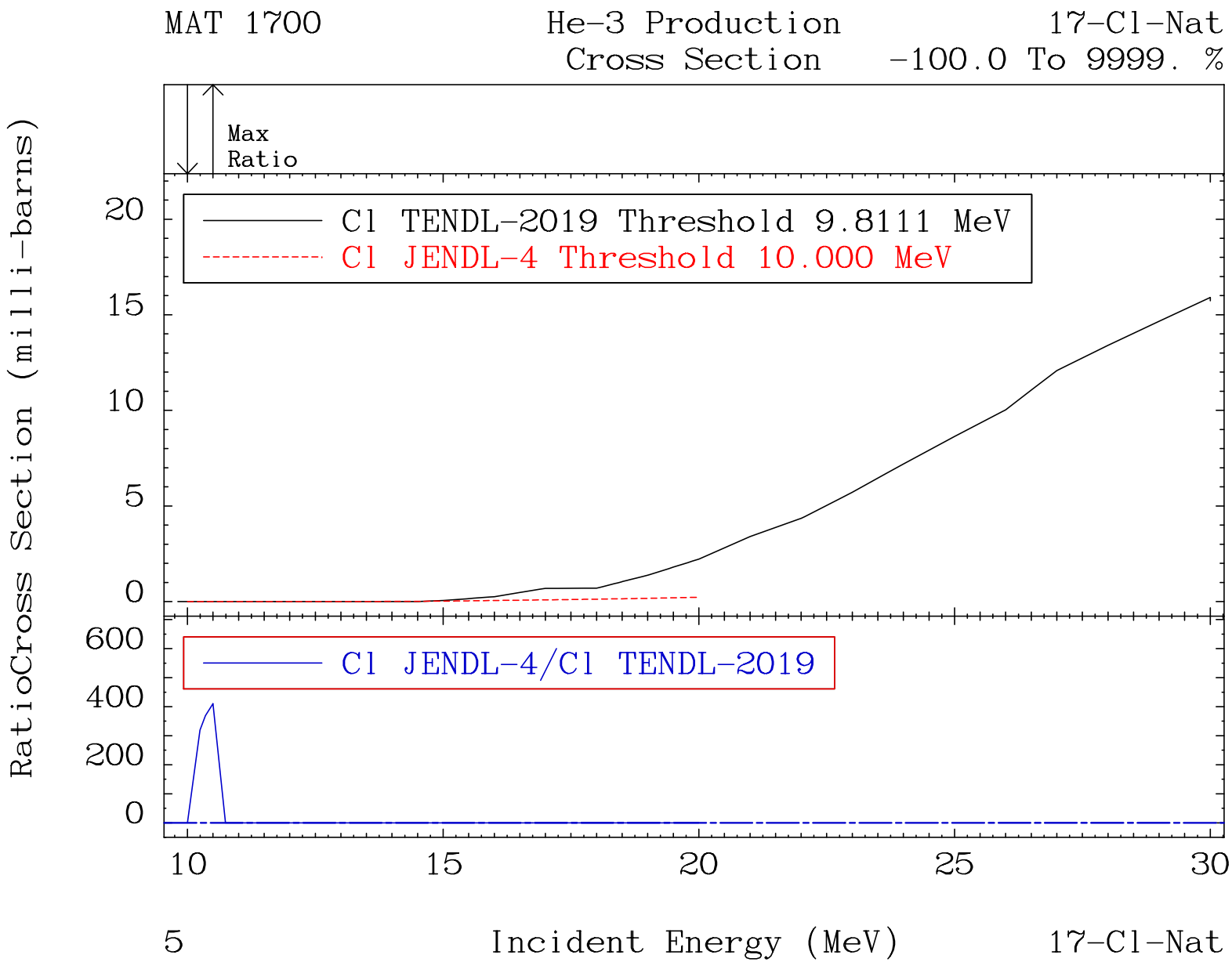
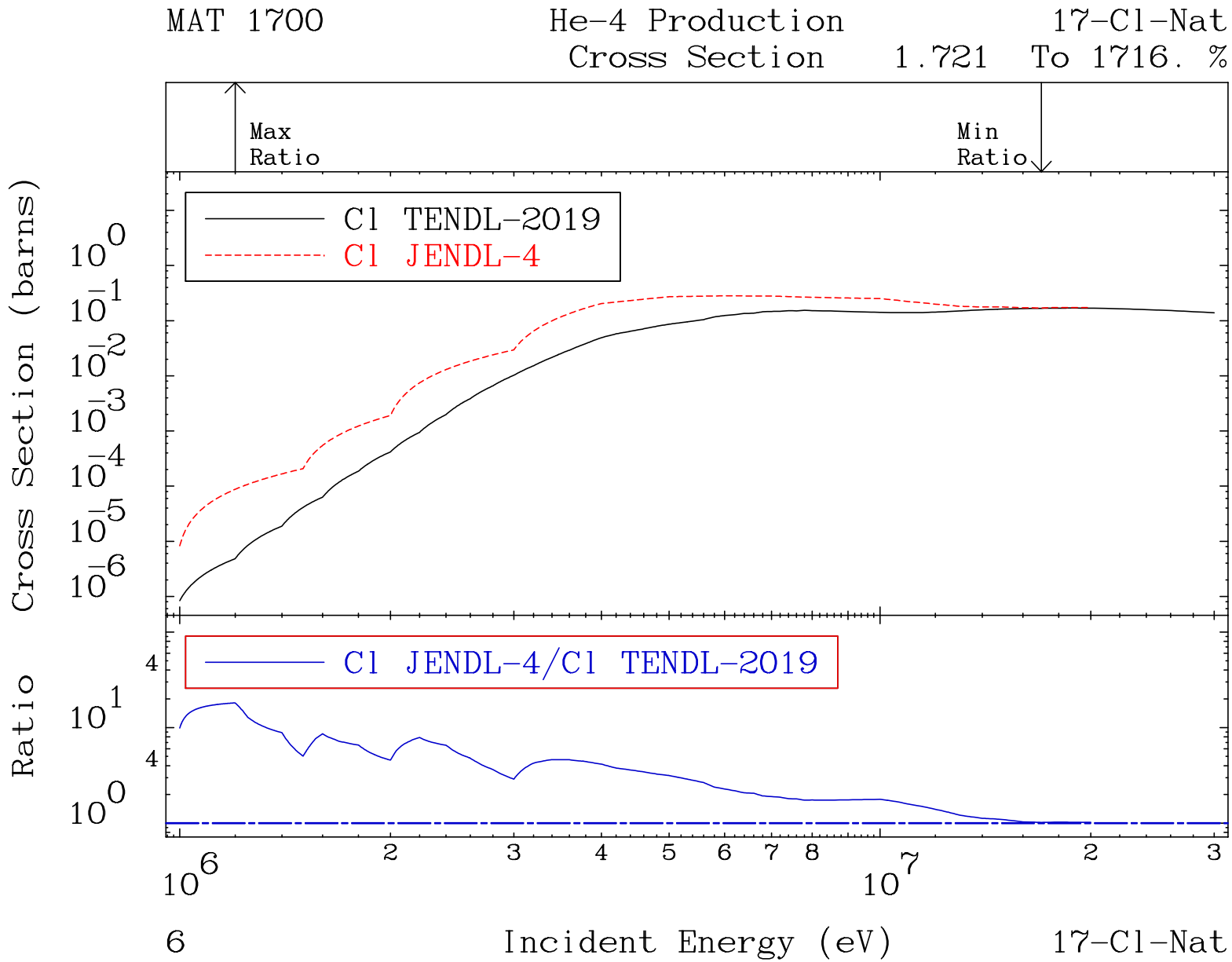

MAT 1700
Total
Cross Section
17-Cl-Nat
-69.11 To 201.2 %
Min
Ratio
Max
Ratio
Cl TENDL-2019
Cl JENDL-4
Cl JENDL-4/Cl TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
17-Cl-Nat

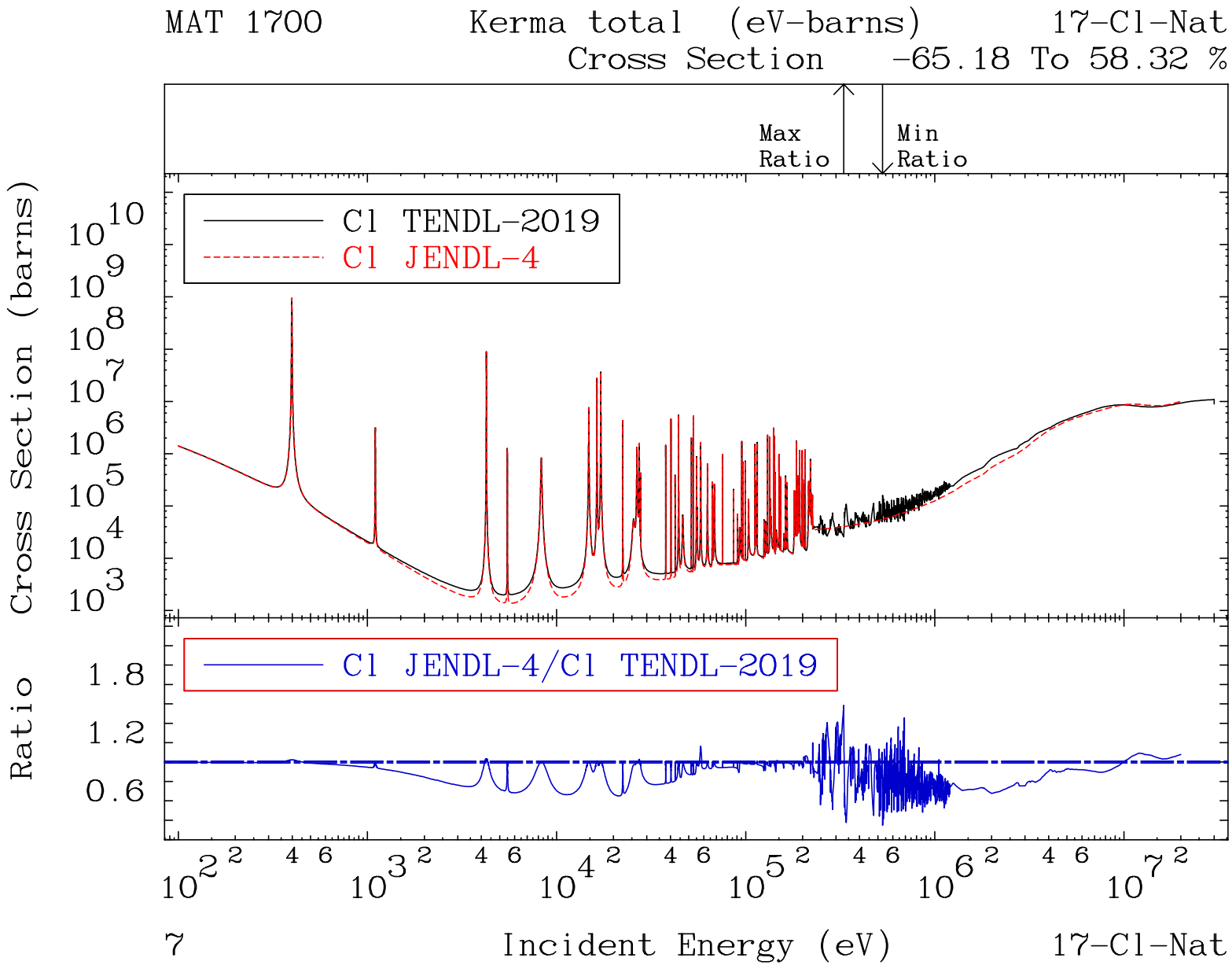

MAT 1700
Hydrogen Production
Cross Section
17-Cl-Nat
-52.89 To 11.80 %
Min Ratio
Max Ratio
Cl TENDL-2019
Cl JENDL-4
Cross Section (barns)
Cl JENDL-4/Cl TENDL-2019
Ratio
Incident Energy (eV)
17-Cl-Nat

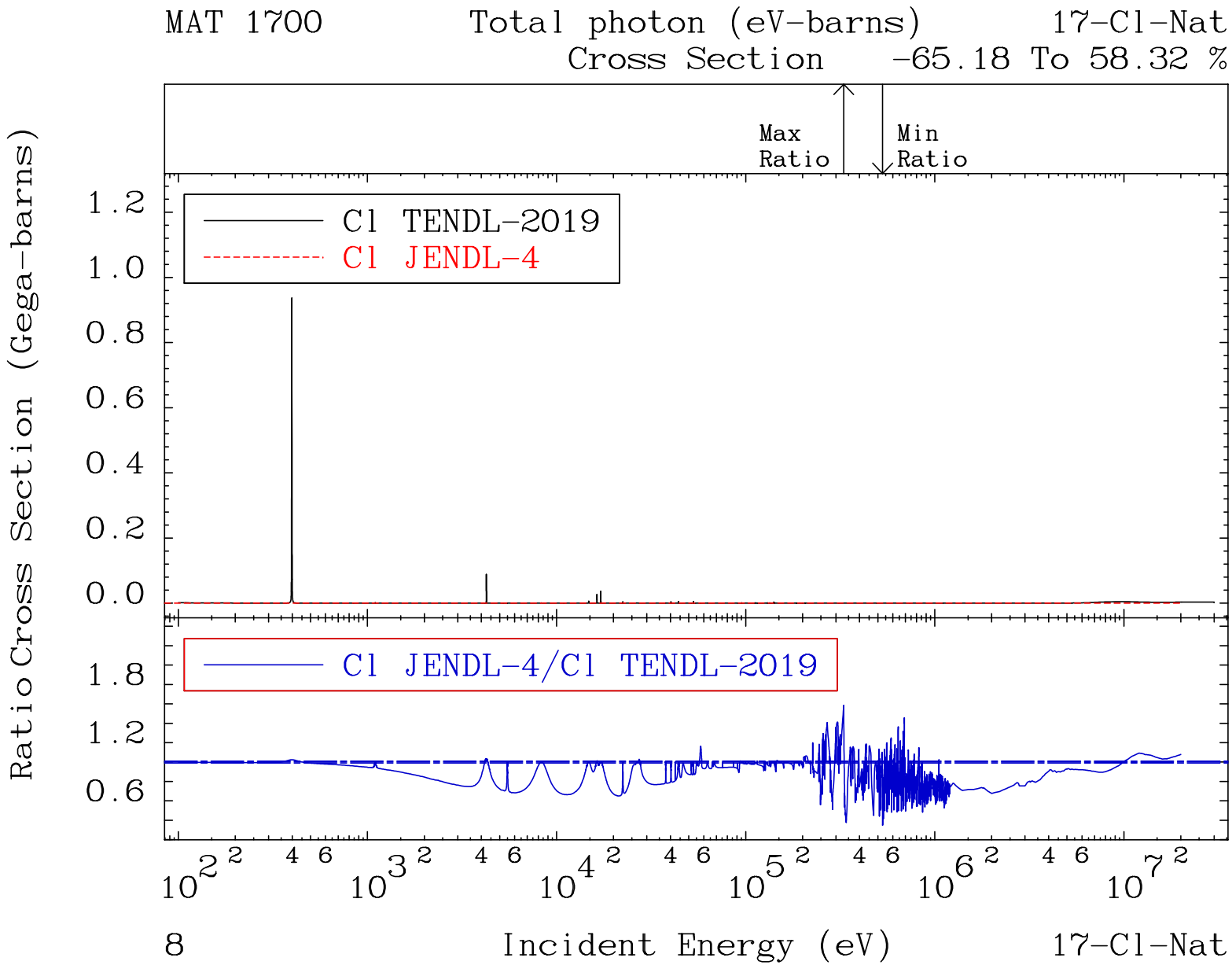

MAT 1700
Deuterium Production
17-Cl-Nat
Cross Section -100.0 To 9999. %
Max
Ratio
Cl TENDL-2019 Threshold 4.2658 MeV
Cl JENDL-4 Threshold 4.2669 MeV
Cl JENDL-4/Cl TENDL-2019
RatioCross Section (milli-barns)
100
80
60
40
20
0
10
0
5
10
15
20
25
30
3
Incident Energy (MeV)
17-Cl-Nat

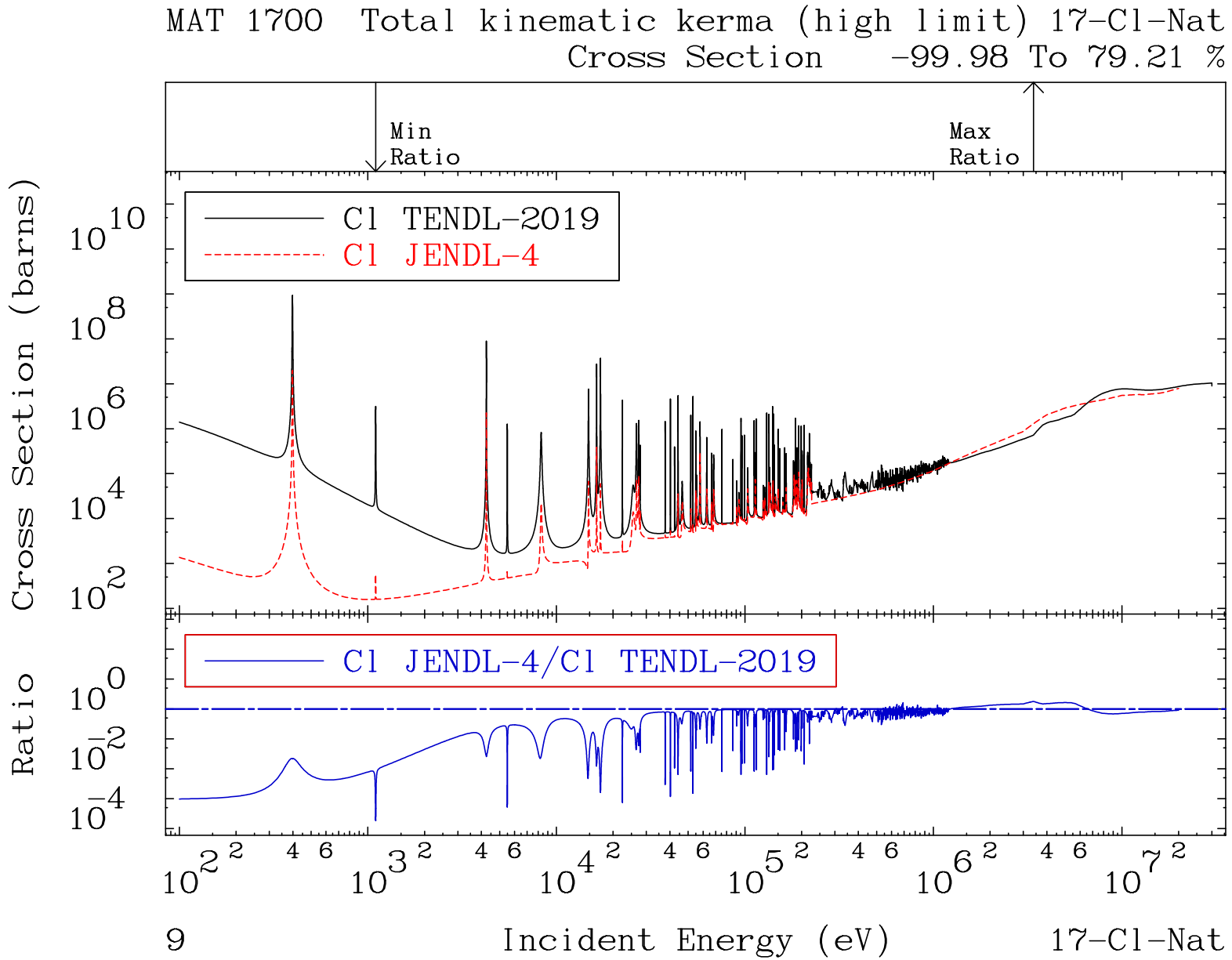

MAT 1700
Tritium Production
Cross Section
17-Cl-Nat
-100.0 To 9999. %
Max
Ratio
Cl TENDL-2019 Threshold 9.4876 MeV
Cl JENDL-4 Threshold 9.5741 MeV
Cl JENDL-4/Cl TENDL-2019
RatioCross Section (milli-barns)
25
20
15
10
5
0
300
200
100
0
10
15
20
25
30
4
Incident Energy (MeV)
17-Cl-Nat

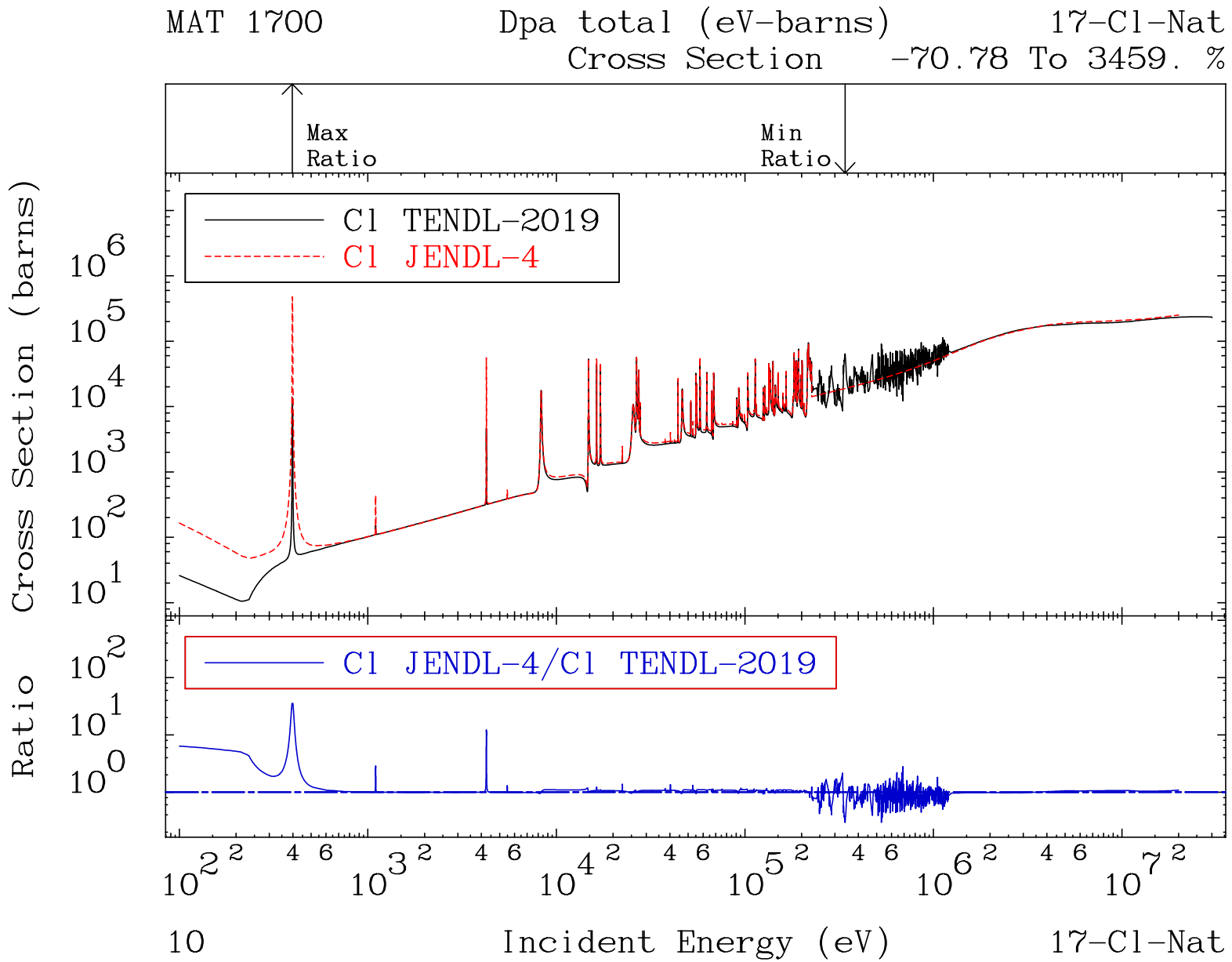

MAT 1700
He-3 Production
Cross Section
17-Cl-Nat
-100.0 To 9999. %
Max
Ratio
Cl TENDL-2019 Threshold 9.8111 MeV
Cl JENDL-4 Threshold 10.000 MeV
Cl JENDL-4/Cl TENDL-2019
RatioCross Section (milli-barns)
Incident Energy (MeV)
17-Cl-Nat
5
0
5
10
15
20
0
200
400
600
10
15
20
25
30

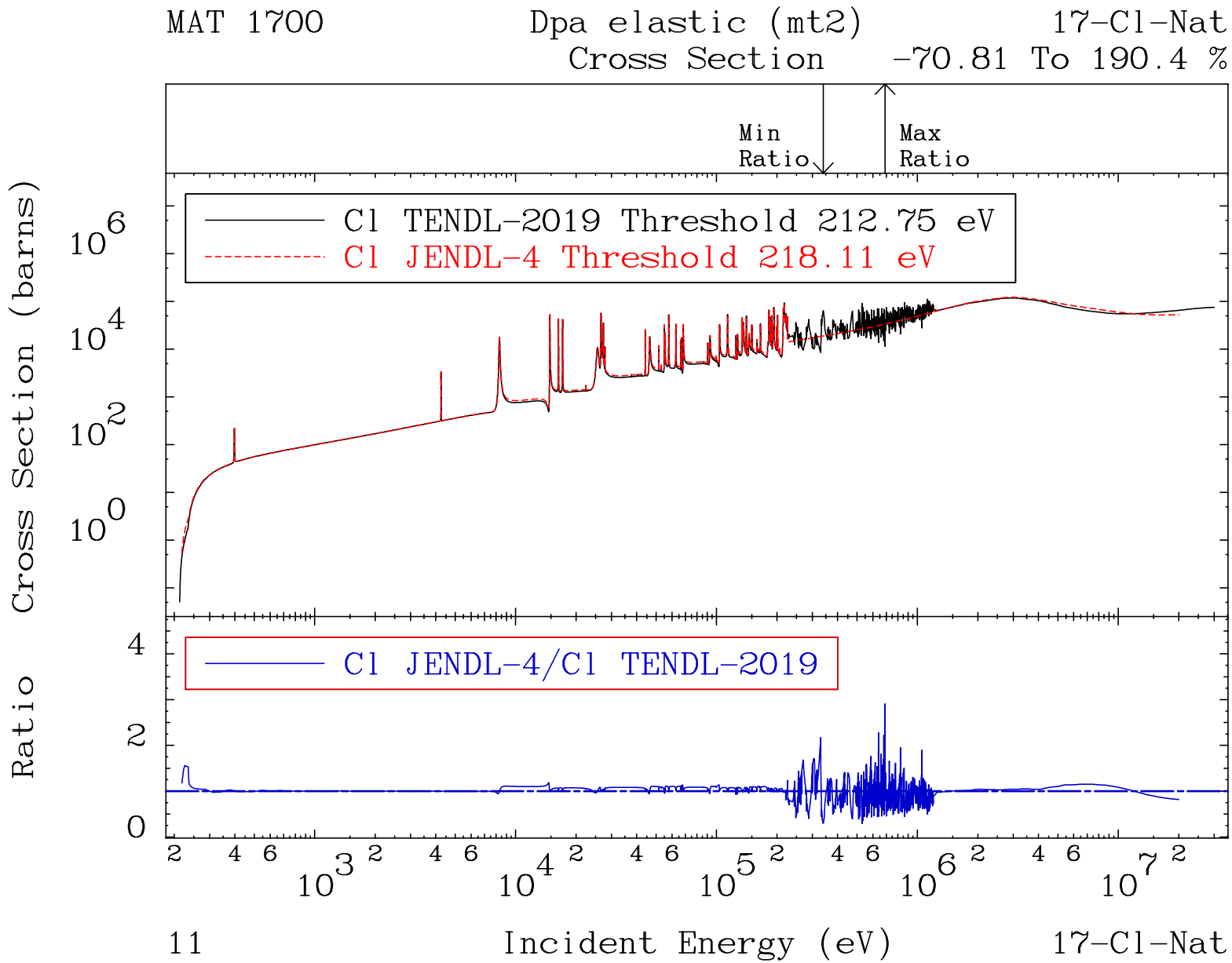

MAT 1700
He-4 Production
Cross Section
17-Cl-Nat
1.721 To 1716. %
Max Ratio
Min Ratio
Cl TENDL-2019
Cl JENDL-4
Cross Section (barns)
Cl JENDL-4/Cl TENDL-2019
Ratio
Incident Energy (eV)
6
17-Cl-Nat

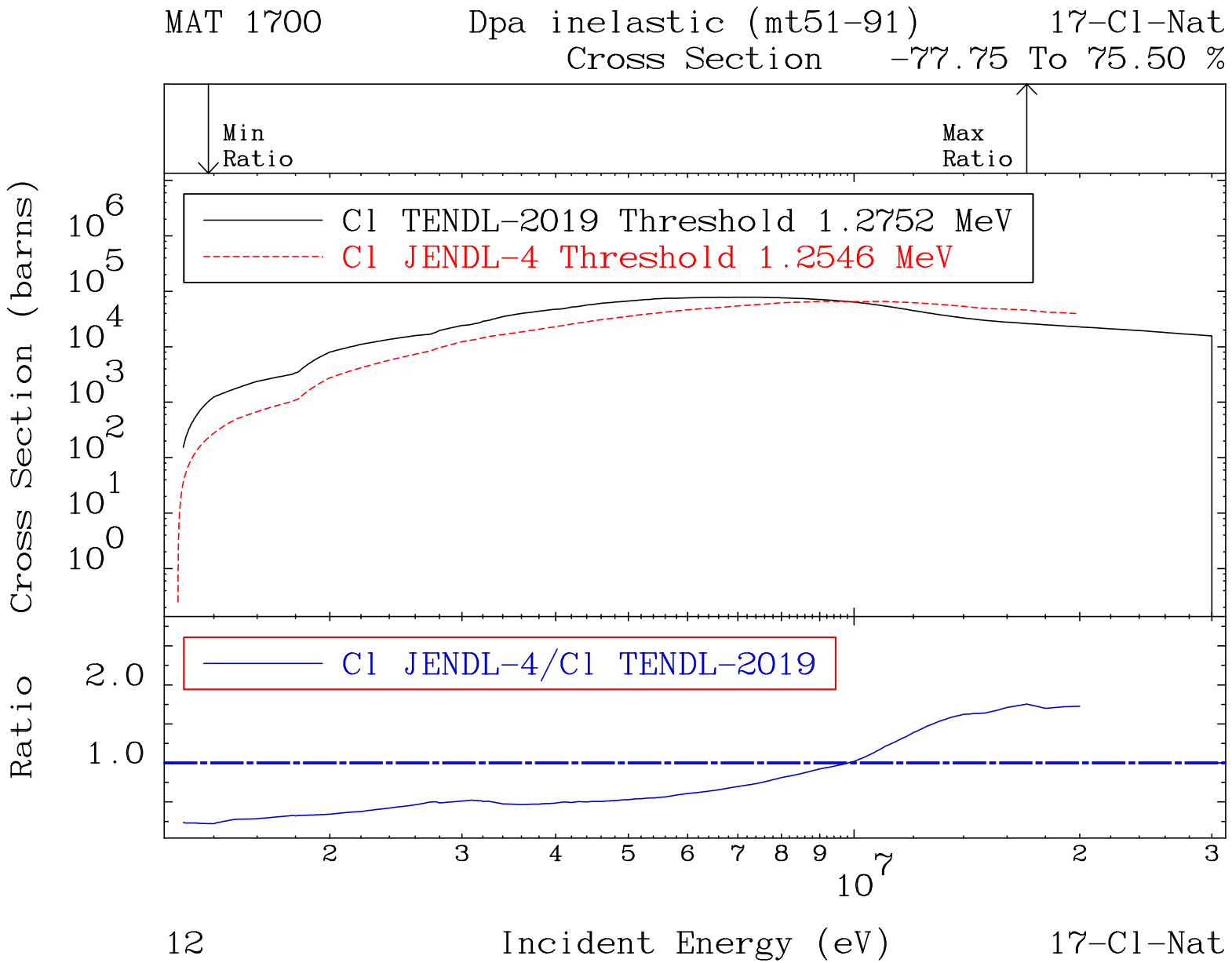

MAT 1700
Kerma total (eV-barns)
17-Cl-Nat
Cross Section -65.18 To 58.32 %
Max Ratio
Min Ratio
Cl TENDL-2019
Cl JENDL-4
Cross Section (barns)
Cl JENDL-4/Cl TENDL-2019
Ratio
Incident Energy (eV)
17-Cl-Nat

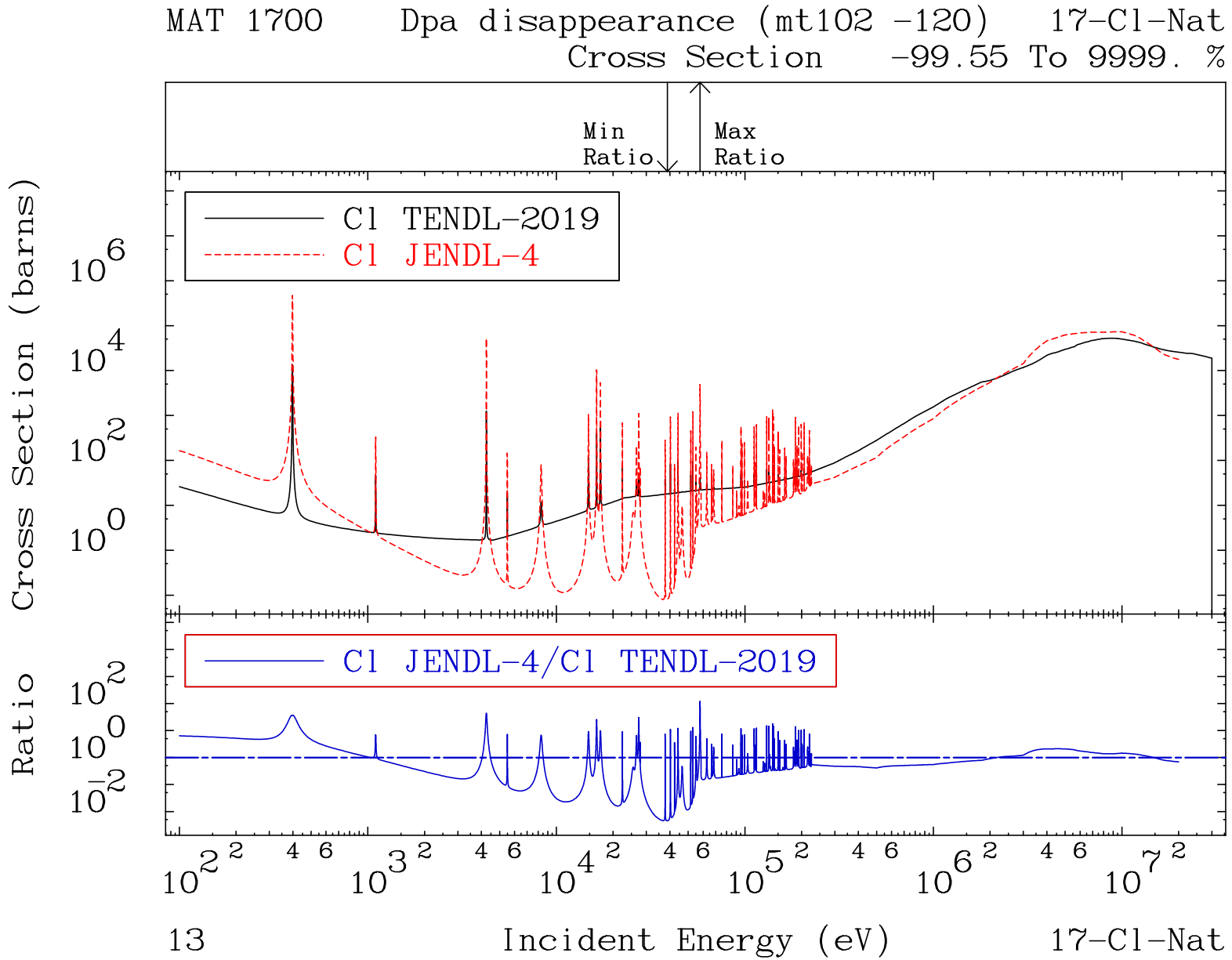

MAT 1700
Total photon (eV-barns)
17-Cl-Nat
Cross Section
-65.18 To 58.32 %
Max Ratio
Min Ratio
Cl TENDL-2019
Cl JENDL-4
Cl JENDL-4/Cl TENDL-2019
Ratio Cross Section (Giga-barns)
Incident Energy (eV)
8
17-Cl-Nat


MAT 1700 Total kinematic kerma (high limit) 17-Cl-Nat
Cross Section -99.98 To 79.21 %
Min Ratio
Max Ratio
Cl TENDL-2019
Cl JENDL-4
Cl JENDL-4/Cl TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
9
17-Cl-Nat


MAT 1700
Dpa total (eV-barns)
17-Cl-Nat
Cross Section
-70.78 To 3459. %
Max
Ratio
Min
Ratio
Cl TENDL-2019
Cl JENDL-4
Cross Section (barns)
Cl JENDL-4/Cl TENDL-2019
Ratio
Incident Energy (eV)
17-Cl-Nat


MAT 1700
Dpa elastic (mt2)
Cross Section
17-Cl-Nat
-70.81 To 190.4 %
Min Ratio
Max Ratio
Cl TENDL-2019 Threshold 212.75 eV
Cl JENDL-4 Threshold 218.11 eV
Cl JENDL-4/Cl TENDL-2019
Cross Section (barns)
Ratio
Incident Energy (eV)
11
17-Cl-Nat


MAT 1700
Dpa inelastic (mt51-91)
17-Cl-Nat
Cross Section
-77.75 To 75.50 %
Min Ratio
Max Ratio
Cl TENDL-2019 Threshold 1.2752 MeV
Cl JENDL-4 Threshold 1.2546 MeV
Cross Section (barns)
Cl JENDL-4/Cl TENDL-2019
Ratio
Incident Energy (eV)
12
17-Cl-Nat


MAT 1700 Dpa disappearance (mt102 -120) 17-Cl-Nat
Cross Section -99.55 To 9999. %
Min Ratio
Max Ratio
Cl TENDL-2019
Cl JENDL-4
Cross Section (barns)
Cl JENDL-4/Cl TENDL-2019
Ratio
Incident Energy (eV)
13
17-Cl-Nat