Program EVALPLOT
(Version 2017-1)
by
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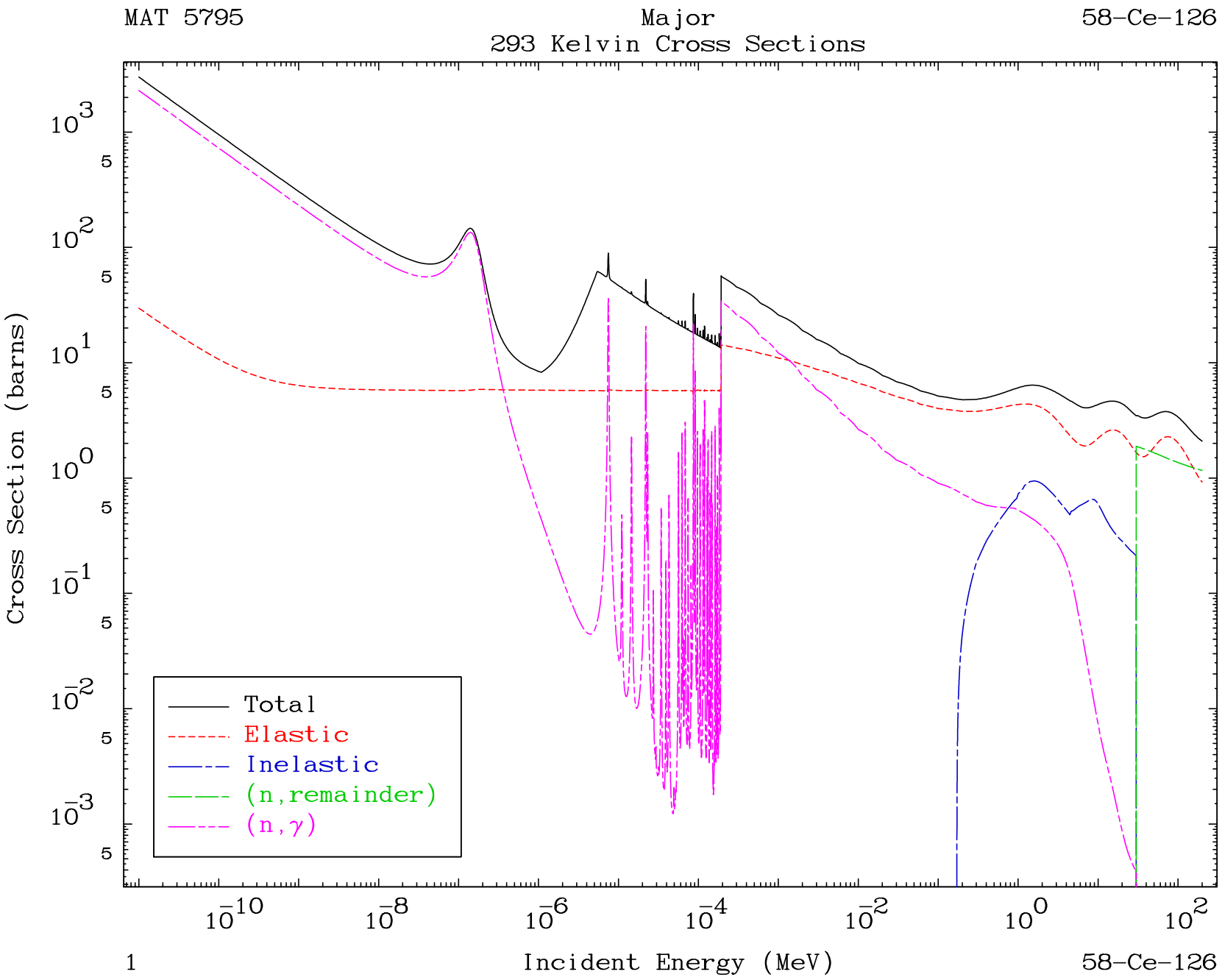
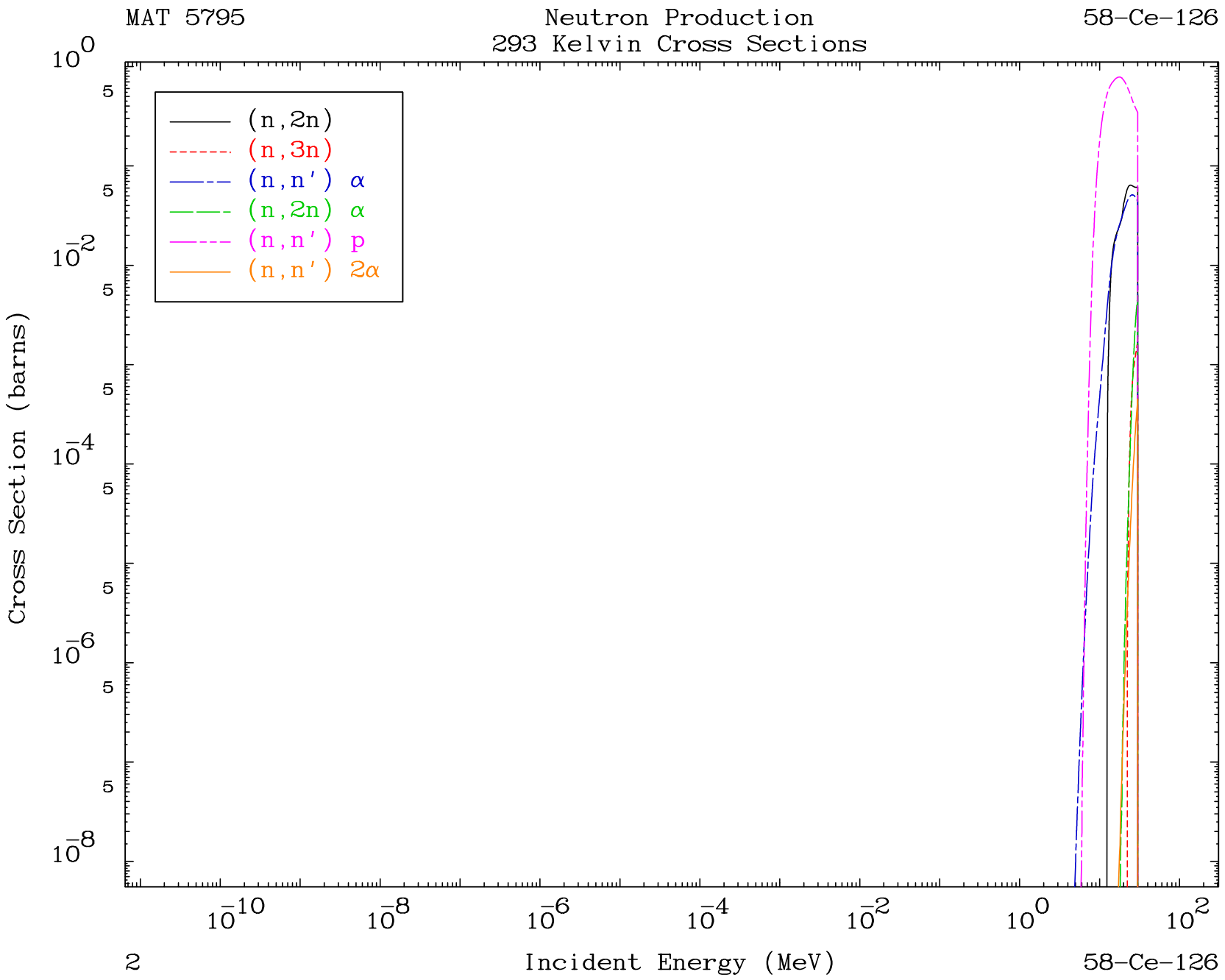
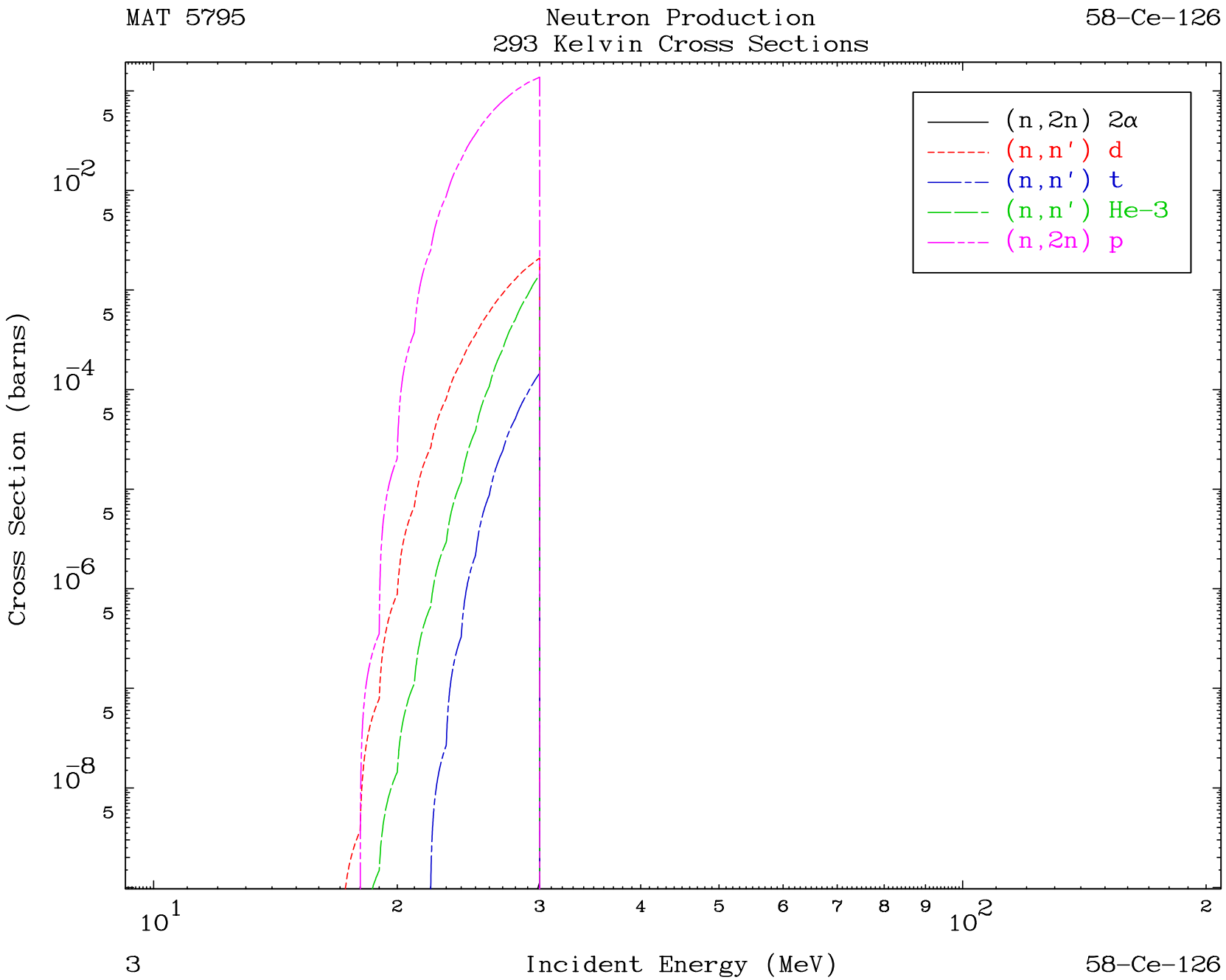
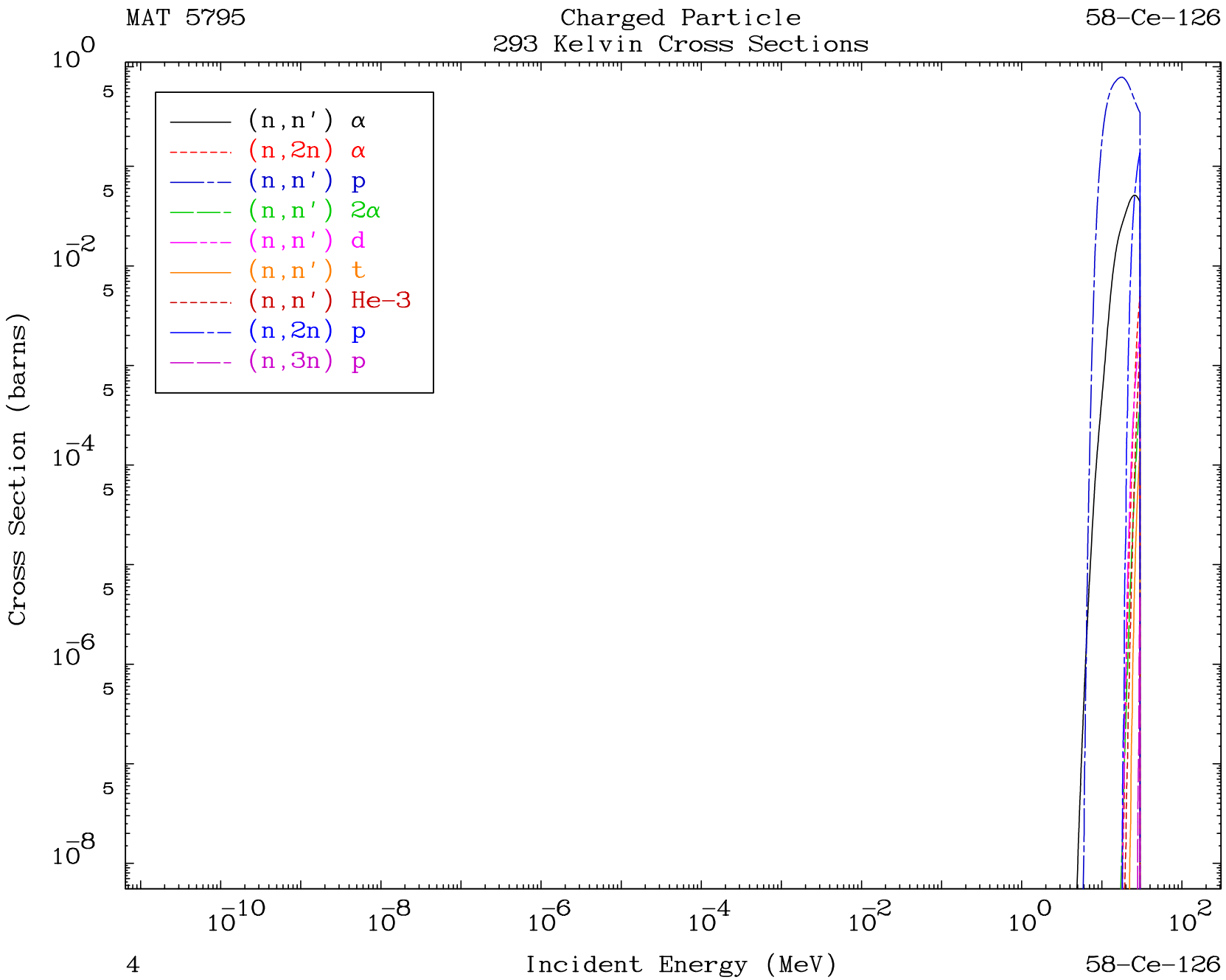
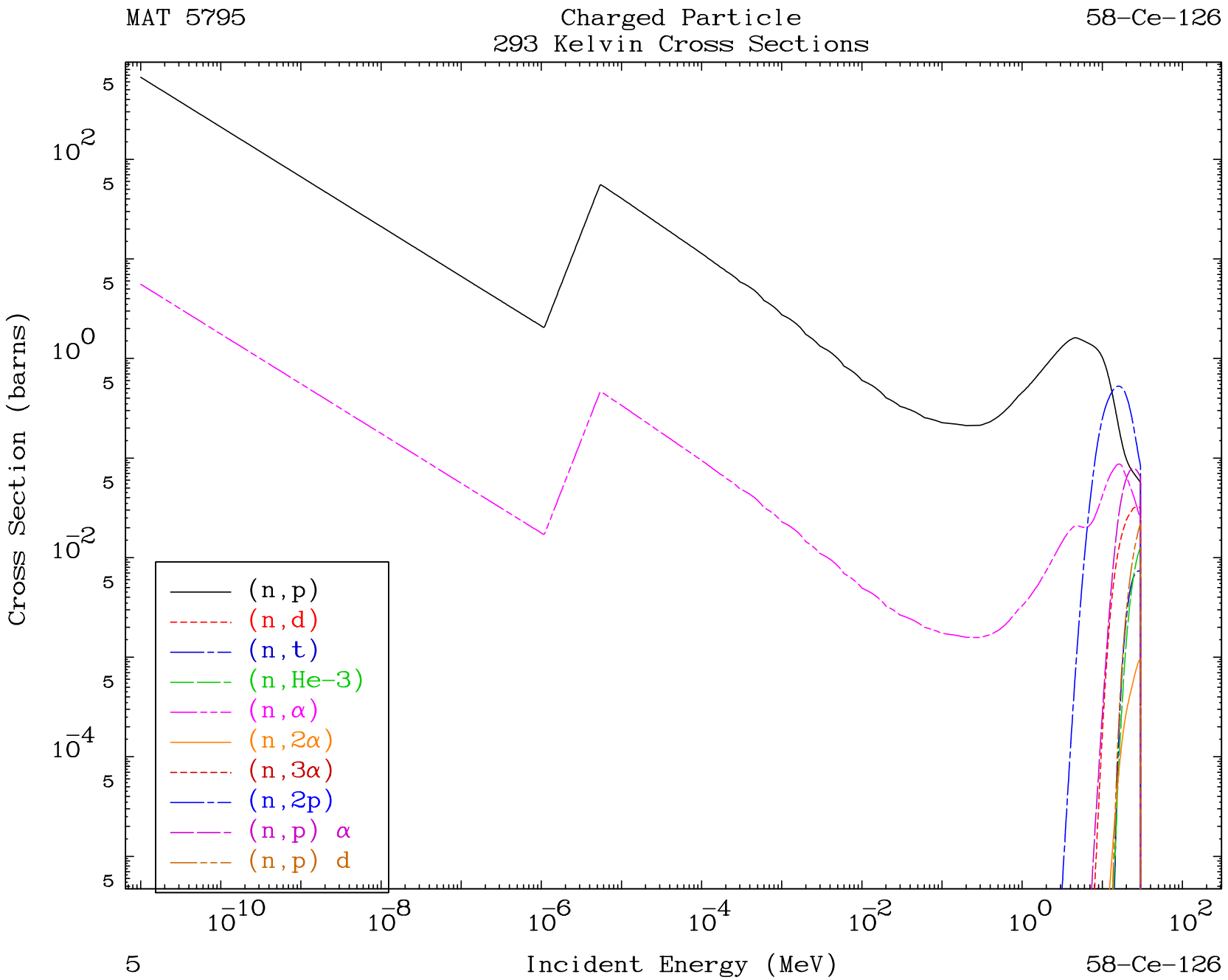
Press Mouse Button to Start

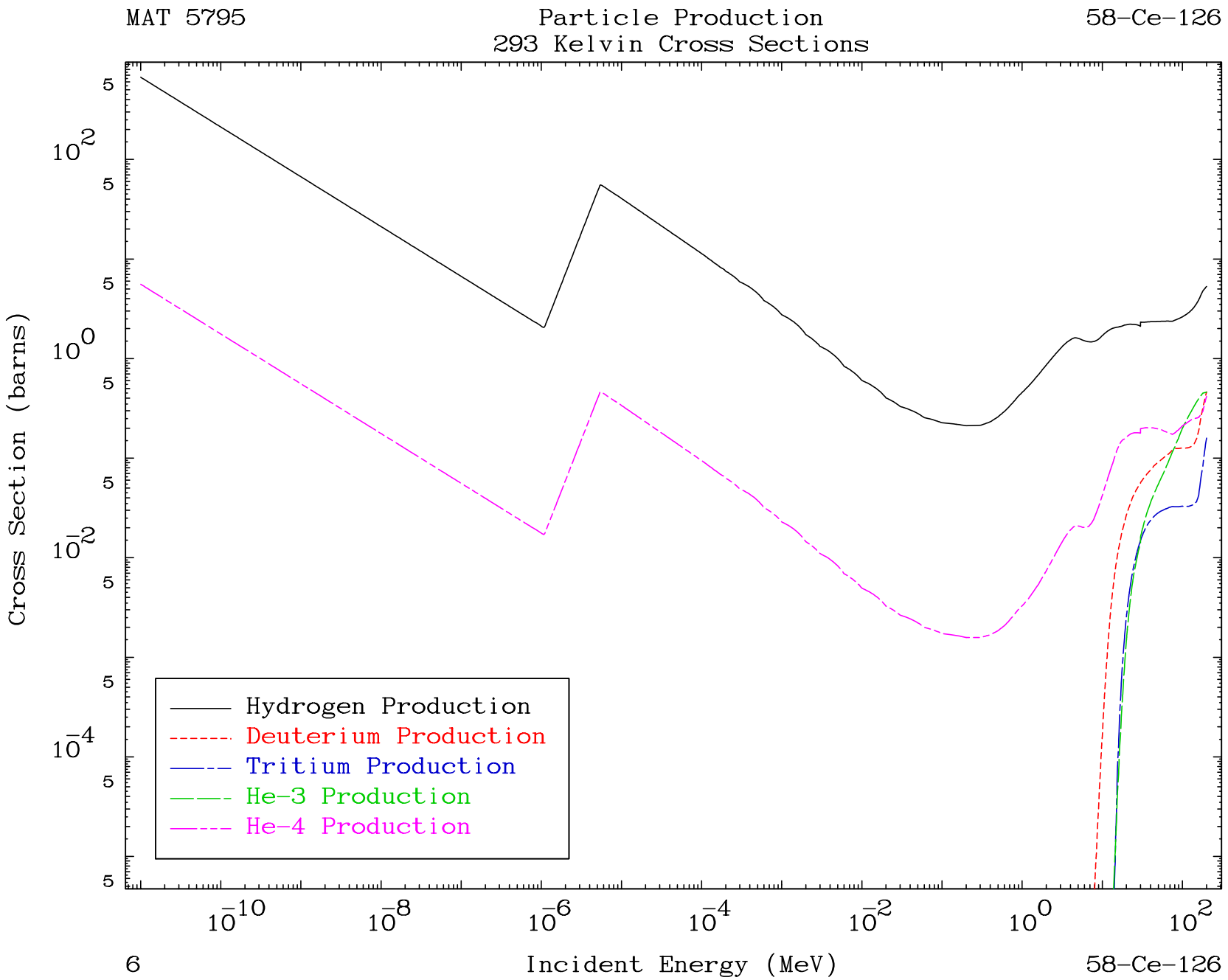

MAT 5795
Major
58-Ce-126
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Inelastic
(n,remainder)
(n,γ)
1
58-Ce-126

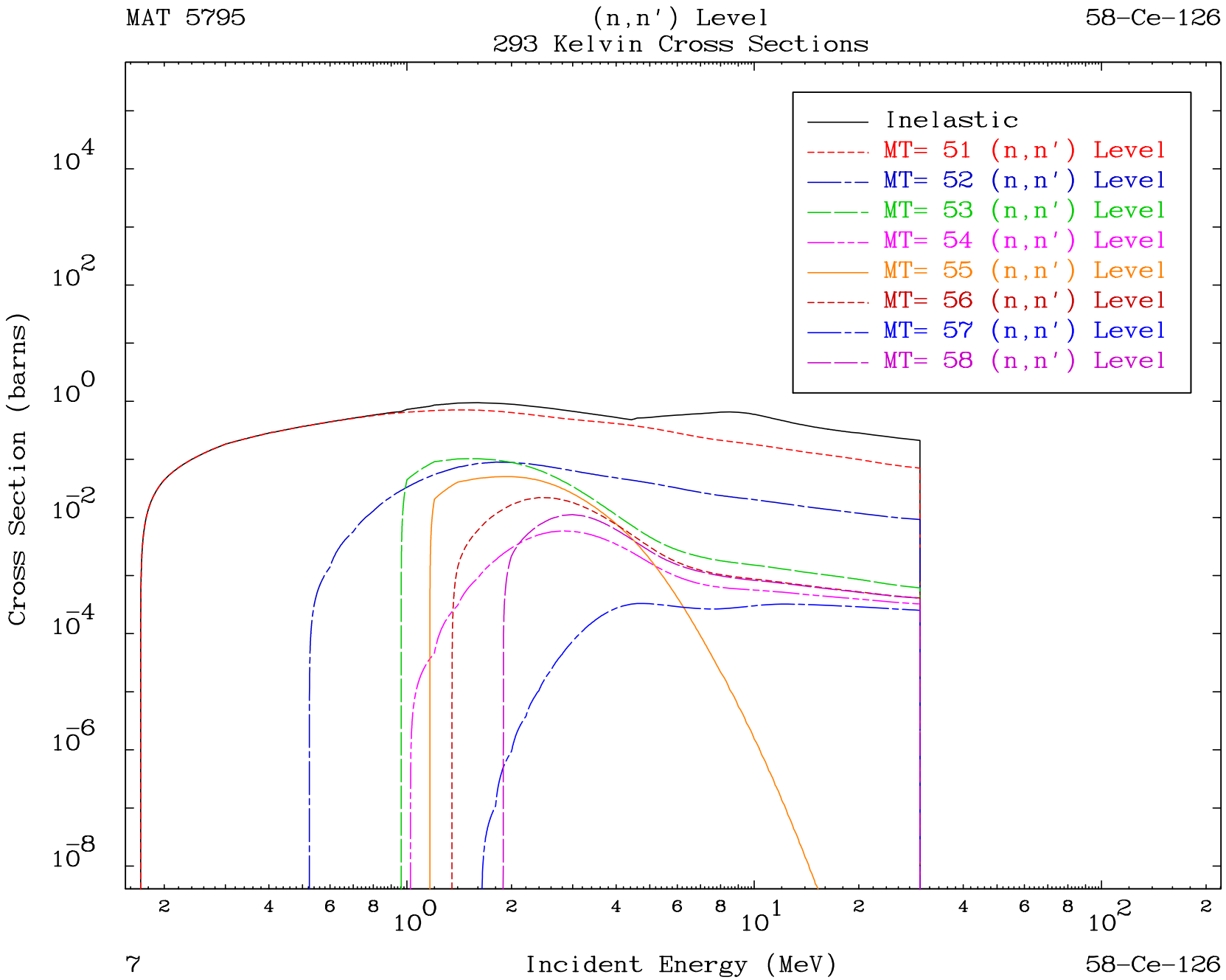

MAT 5795
Neutron Production
293 Kelvin Cross Sections
58-Ce-126
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
Cross Section (barns)
Incident Energy (MeV)
58-Ce-126
2

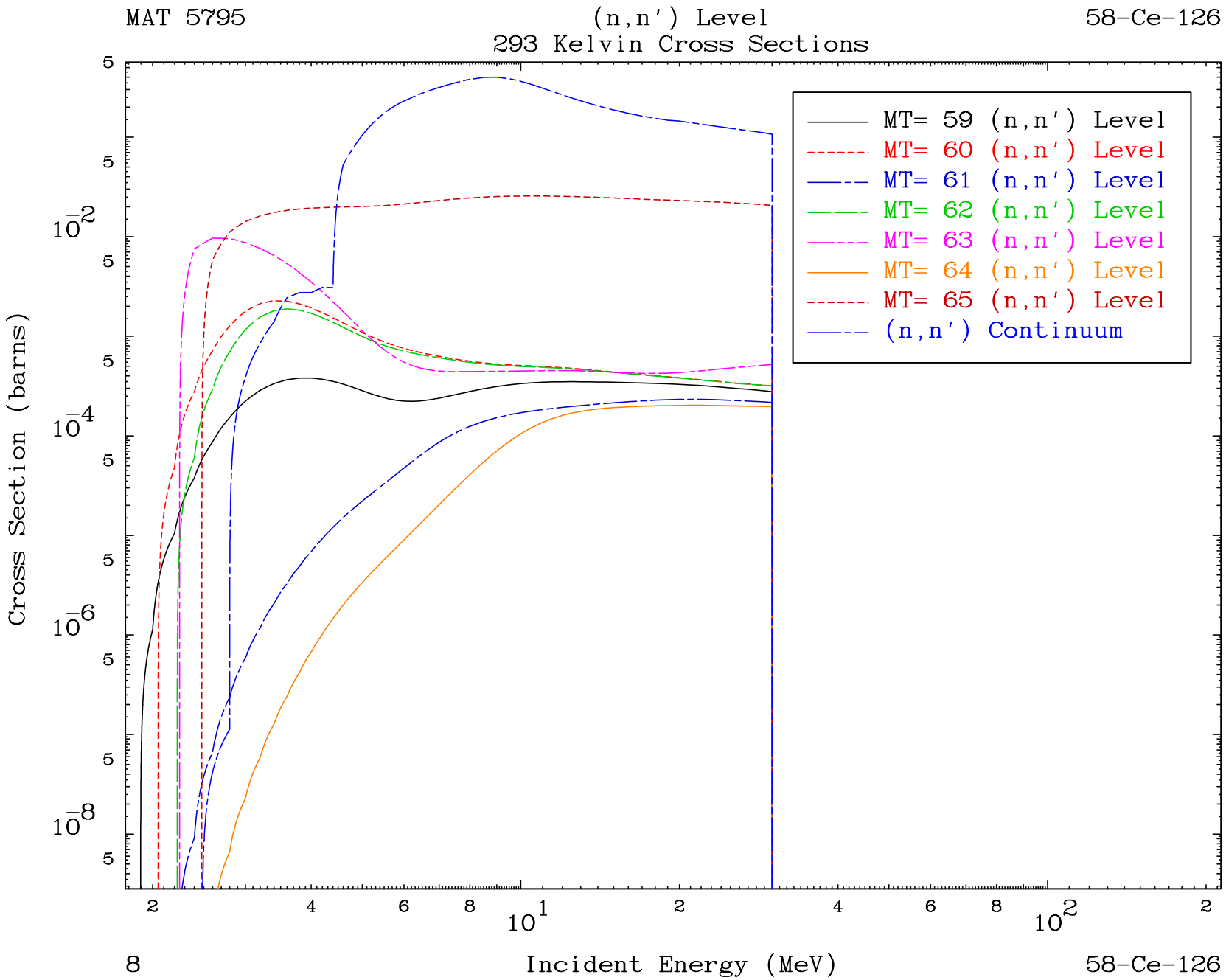

MAT 5795
Neutron Production
293 Kelvin Cross Sections
58-Ce-126
(n,2n) 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
Cross Section (barns)
10-2
10-4
10-6
10-8
10 1
10 2
Incident Energy (MeV)
58-Ce-126

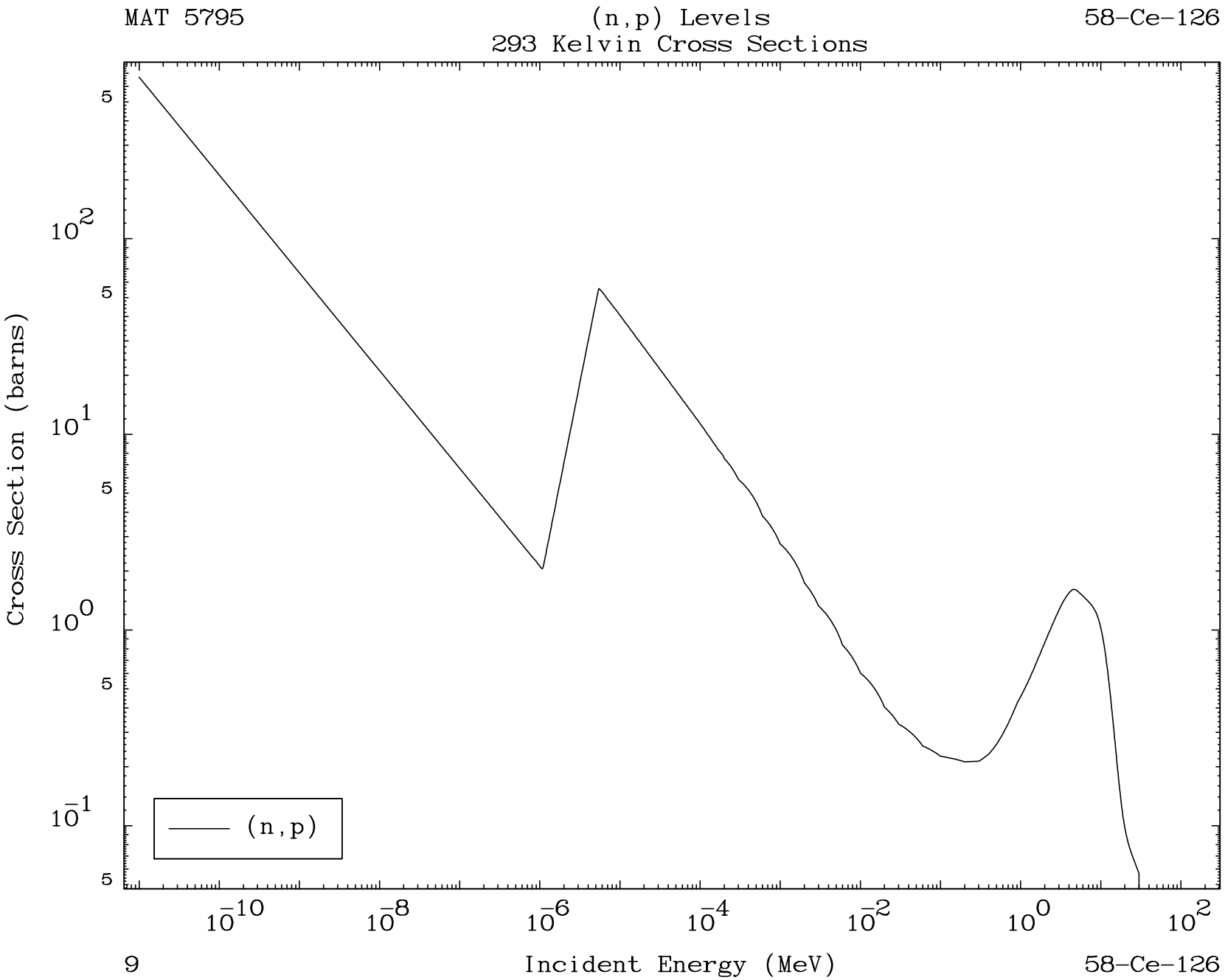

MAT 5795
Charged Particle
293 Kelvin Cross Sections
58-Ce-126
(n,n') α
(n,2n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
Cross Section (barns)
Incident Energy (MeV)
4
58-Ce-126

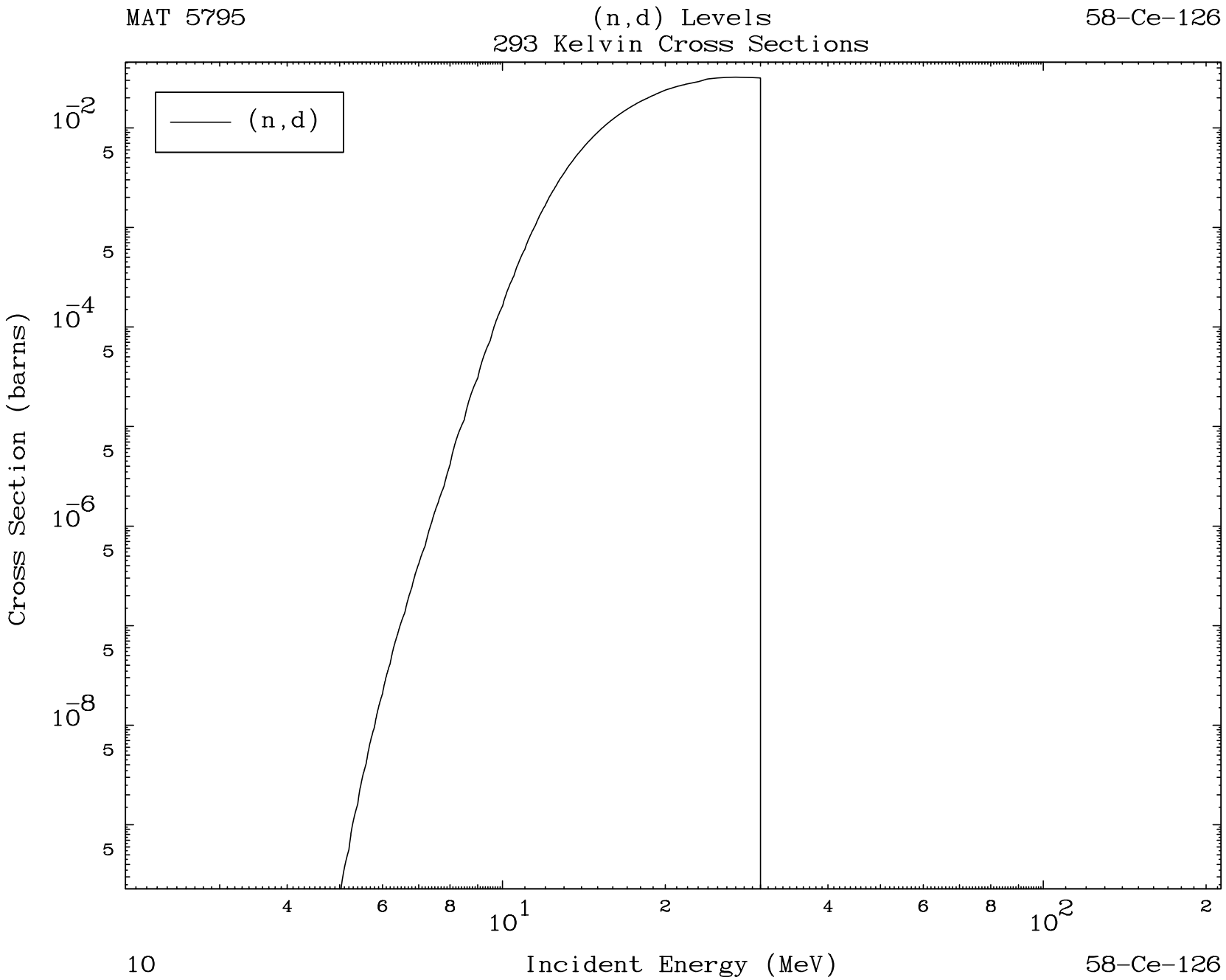

MAT 5795
Charged Particle
58-Ce-126
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
58-Ce-126
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
(n,p) d

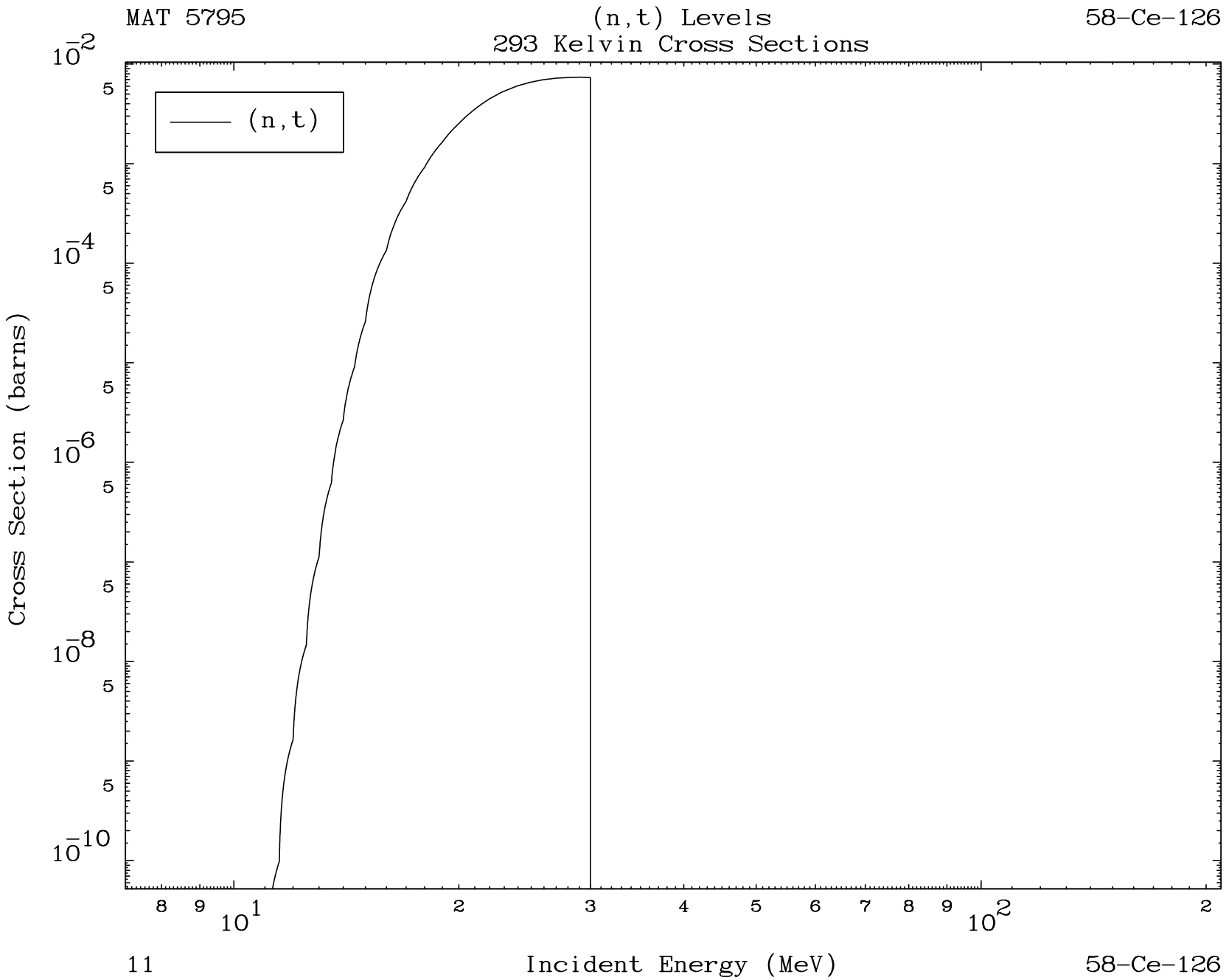

MAT 5795
Particle Production
293 Kelvin Cross Sections
58-Ce-126
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
6
58-Ce-126

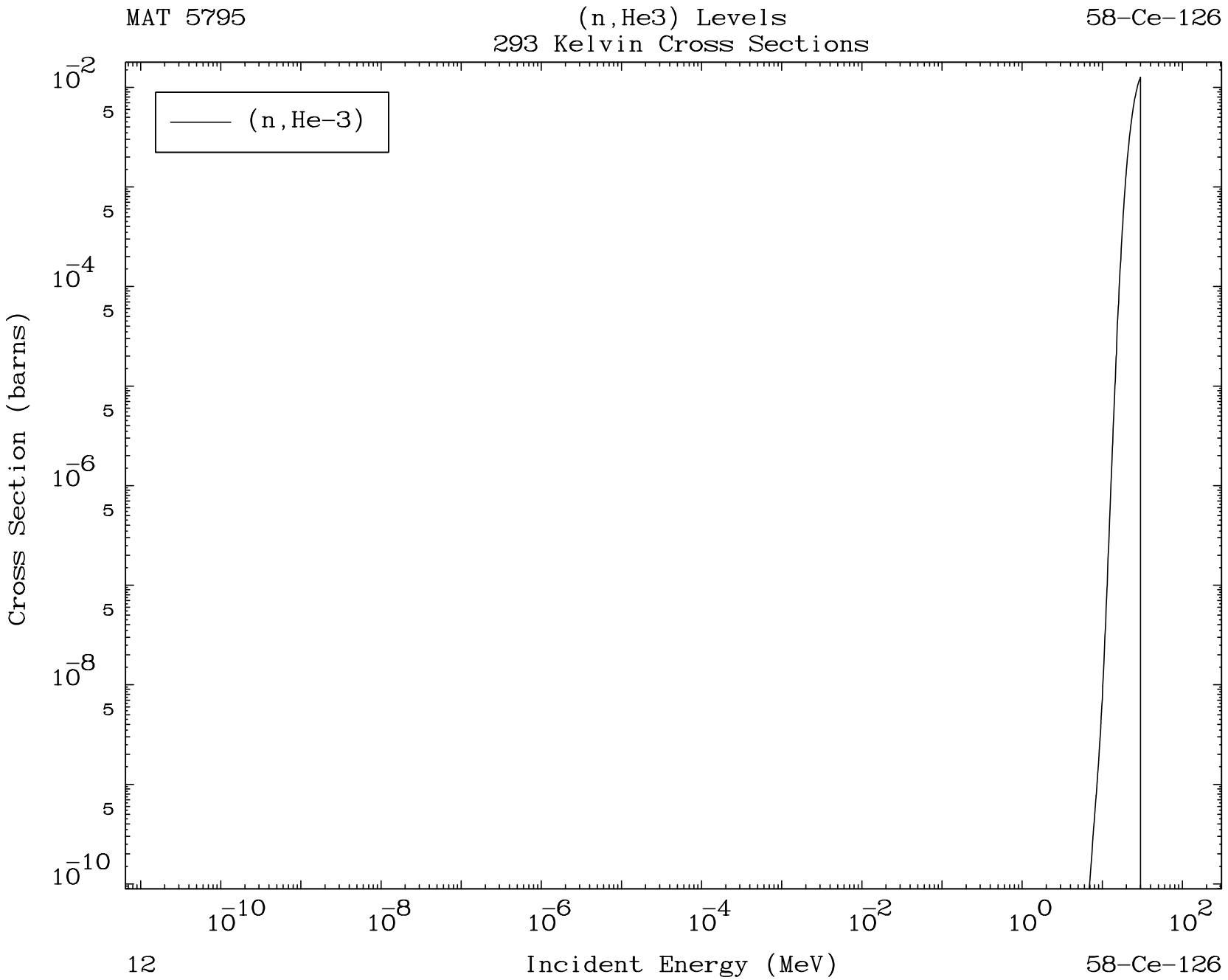

MAT 5795
(n,n') Level
293 Kelvin Cross Sections
58-Ce-126
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
7
58-Ce-126

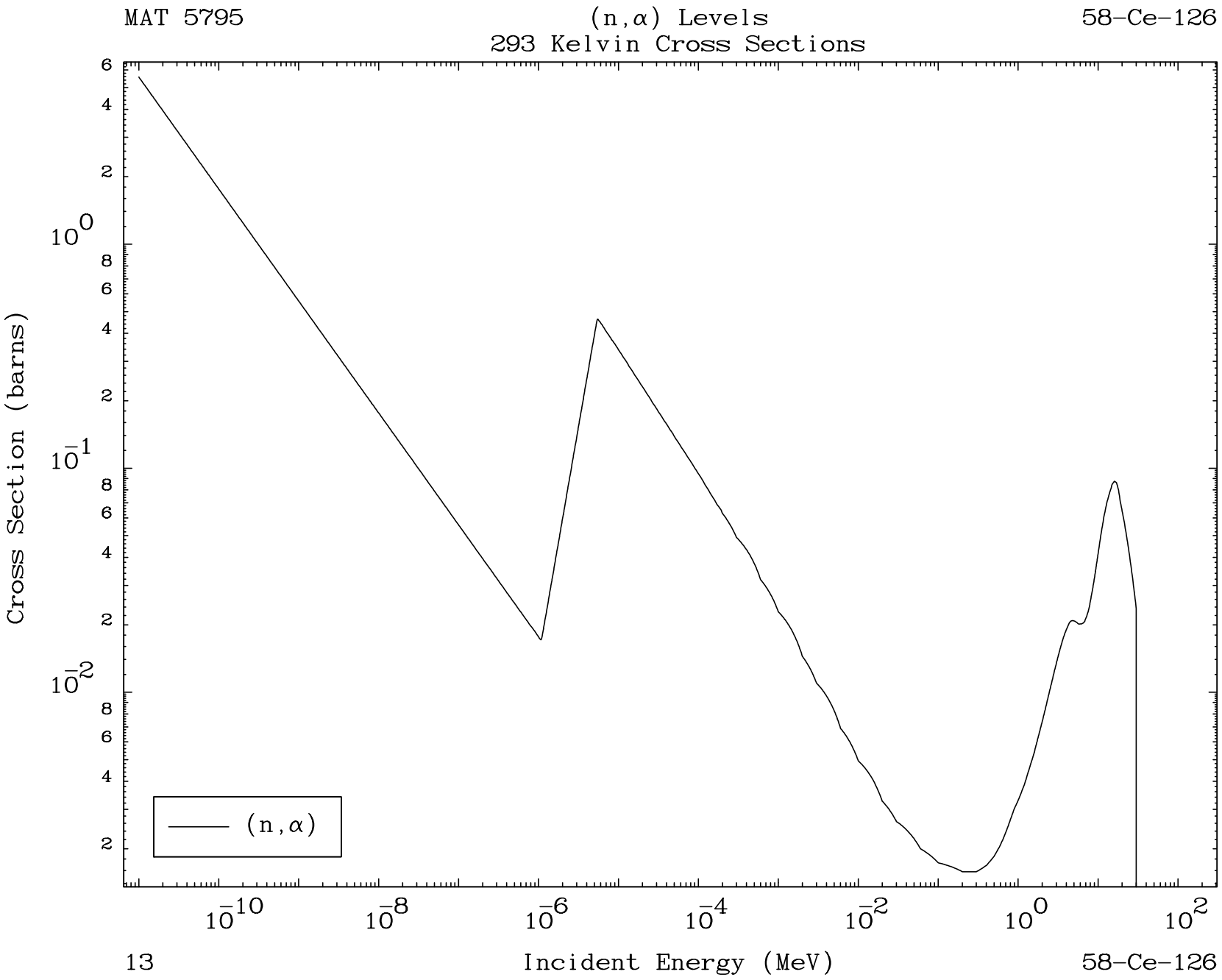

MAT 5795
(n,n') Level
293 Kelvin Cross Sections
58-Ce-126
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
58-Ce-126
8

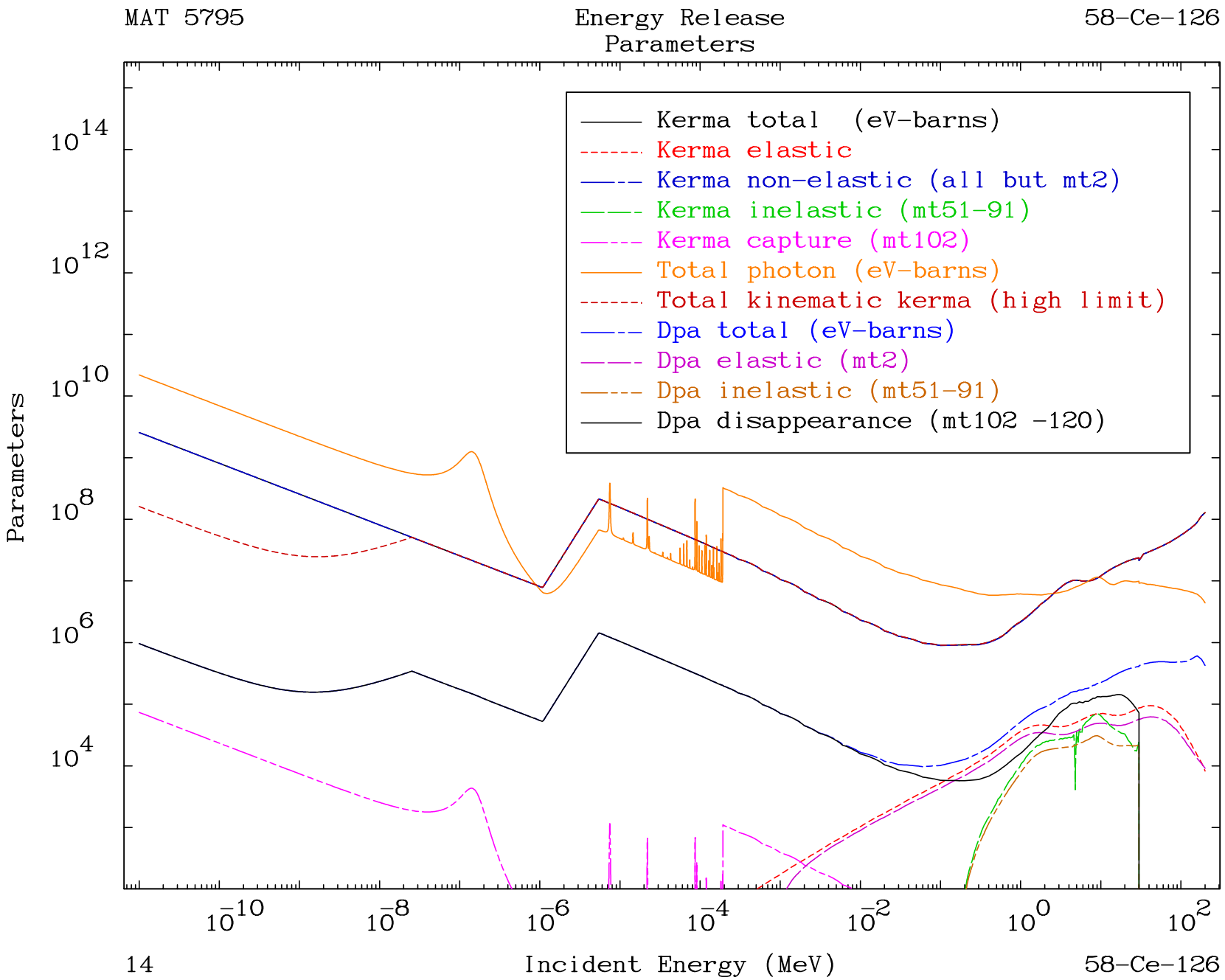

MAT 5795
(n,p) Levels
58-Ce-126
293 Kelvin Cross Sections
Cross Section (barns)
5
10^2
5
10^1
5
10^0
5
10^-1
5
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
9
58-Ce-126

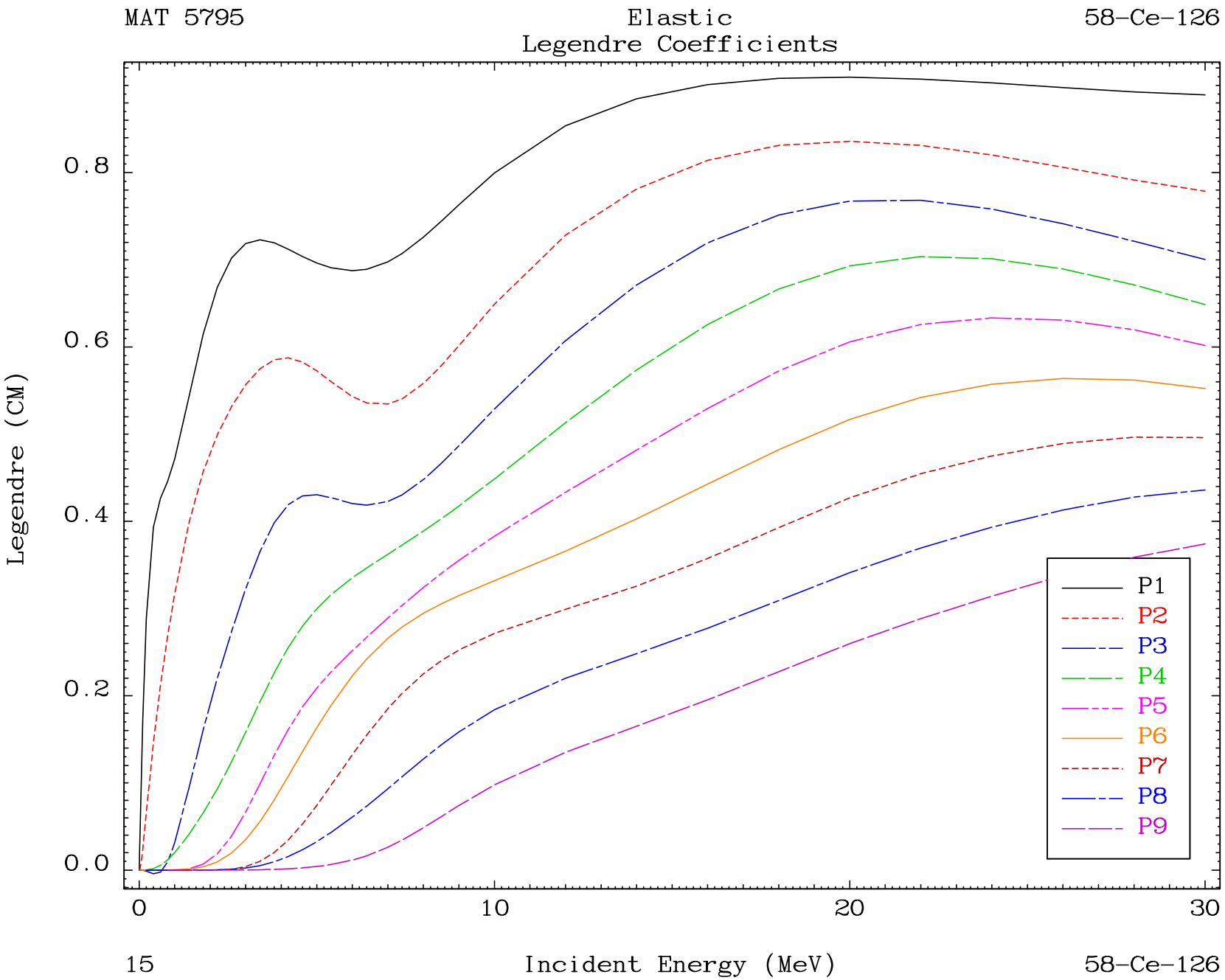

MAT 5795
(n,d) Levels
58-Ce-126
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
5
4
6
8
10^1
2
10^2
10
Incident Energy (MeV)
58-Ce-126

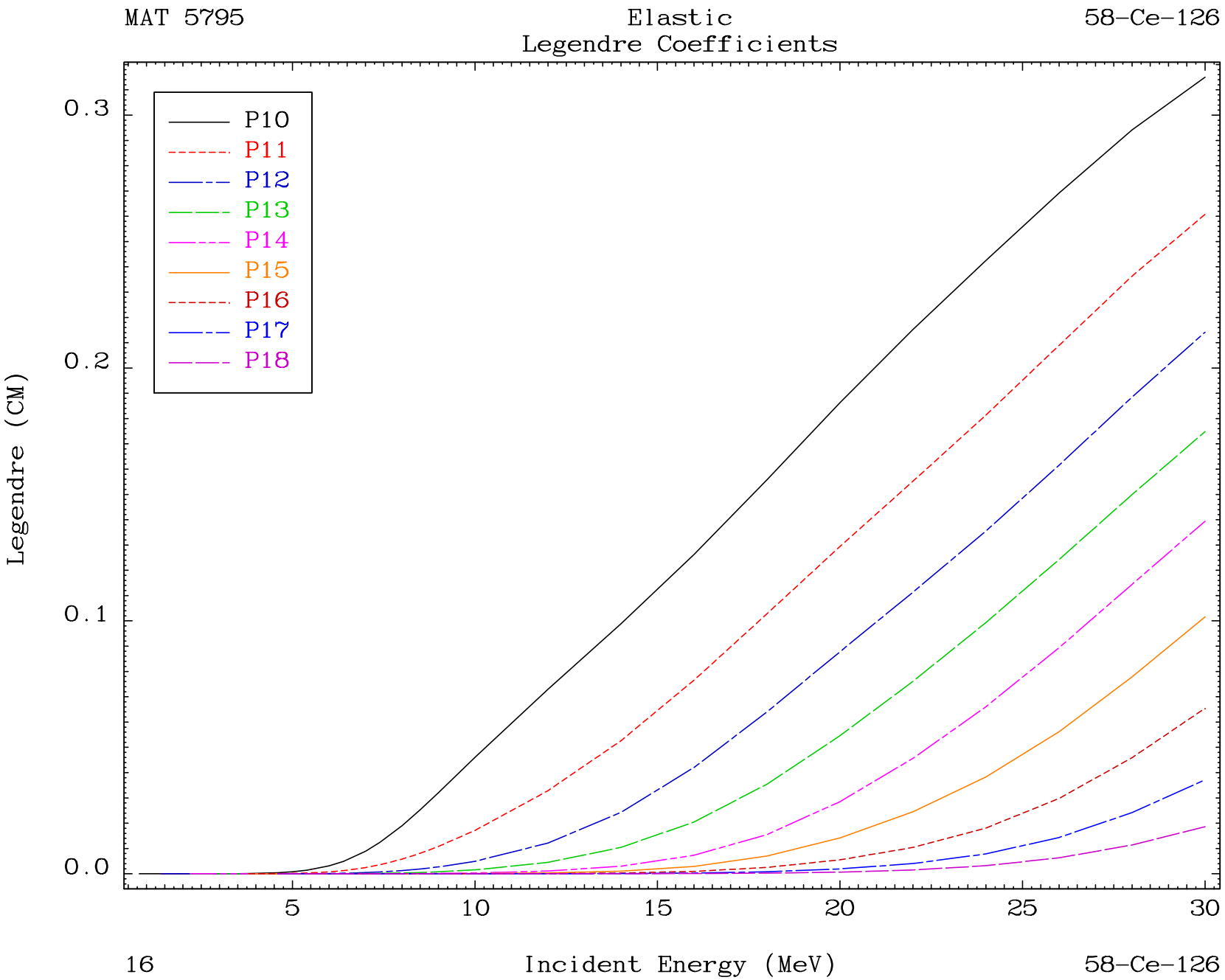

MAT 5795
(n,t) Levels
58-Ce-126
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
11
58-Ce-126

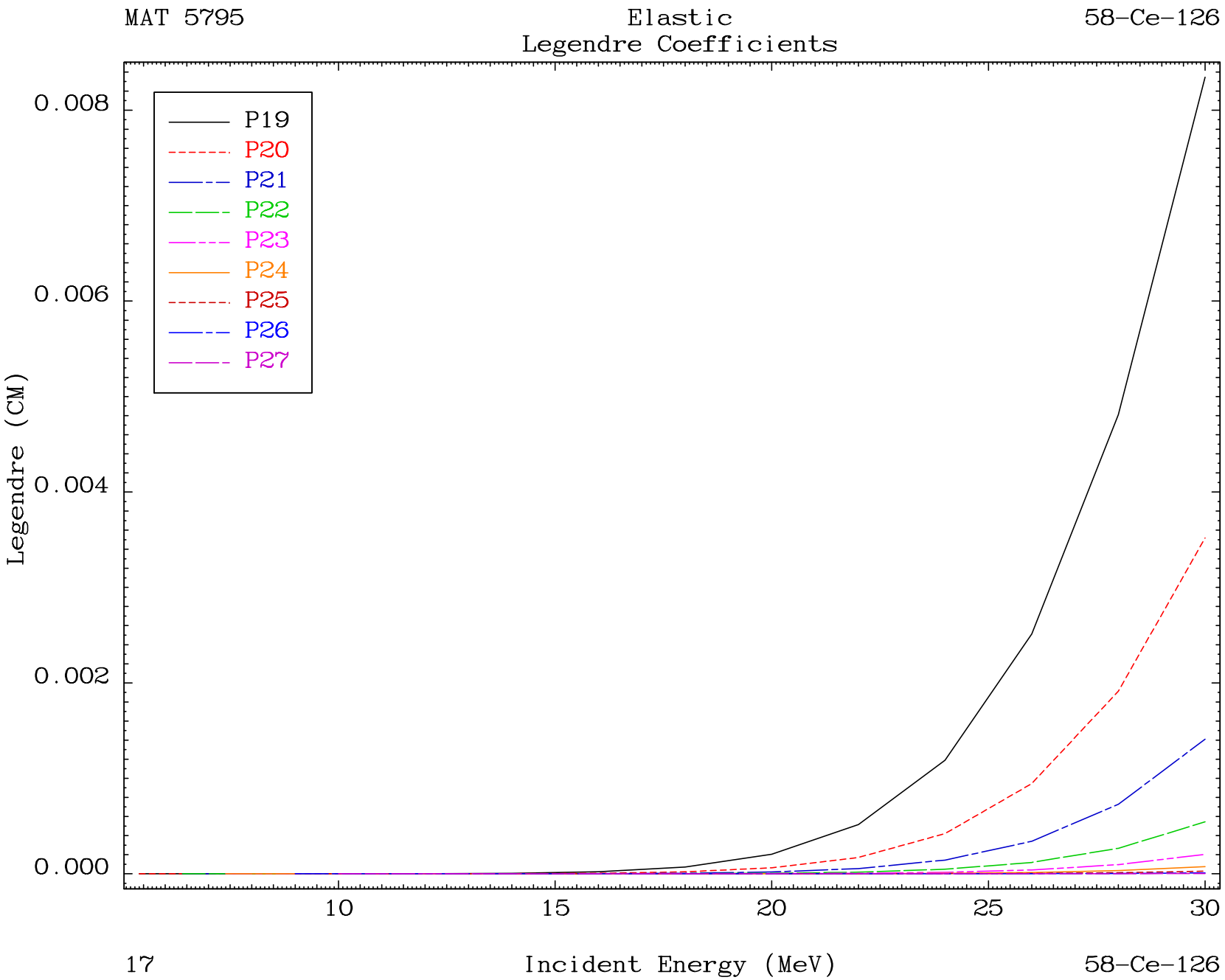

MAT 5795
(n,He3) Levels
58-Ce-126
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
12
58-Ce-126

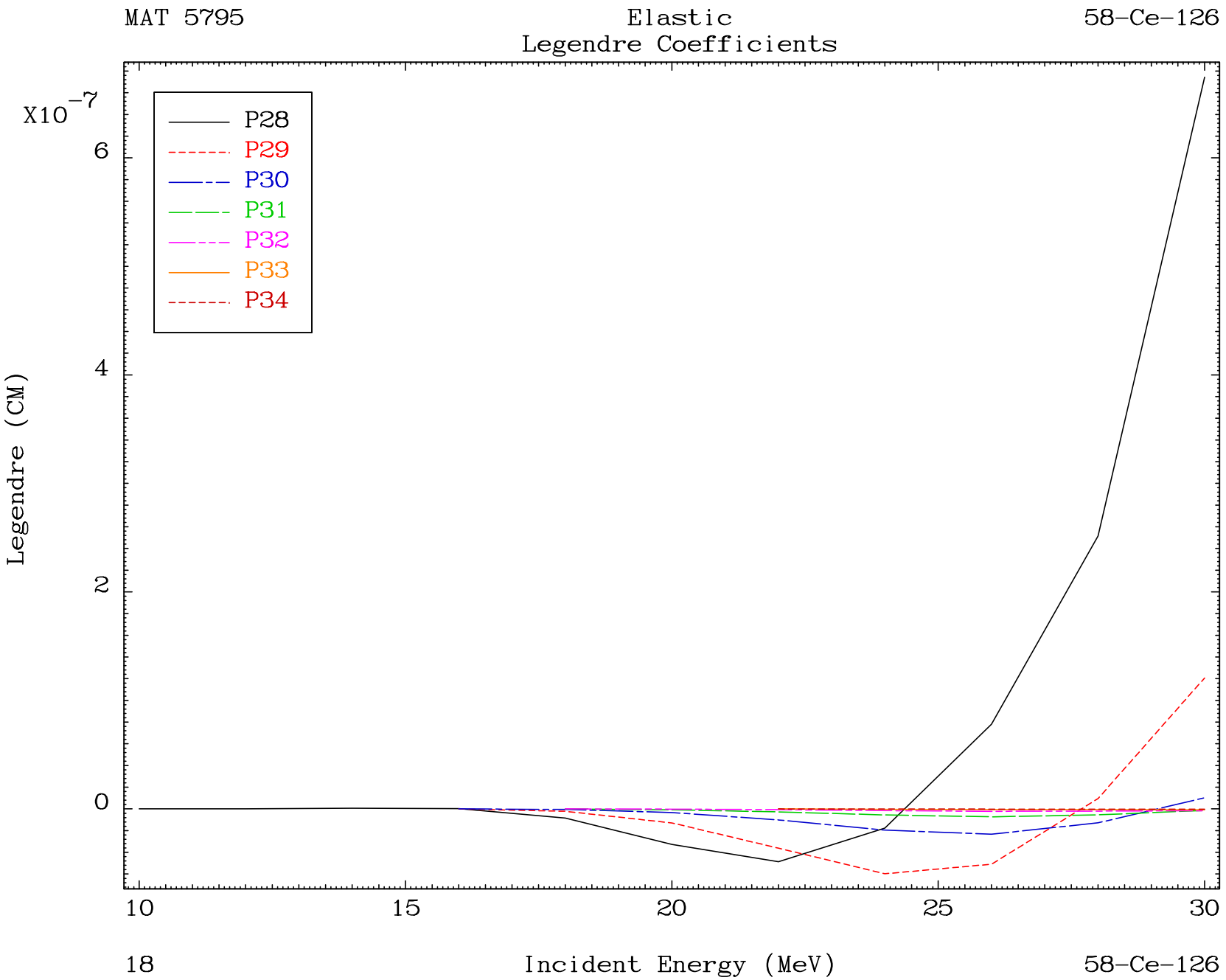

MAT 5795
(n,α) Levels
58-Ce-126
293 Kelvin Cross Sections
Cross Section (barns)
6
4
2
10^0
8
6
4
2
10^-1
8
6
4
2
10^-2
8
6
4
2
(n,α)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
13
Incident Energy (MeV)
58-Ce-126

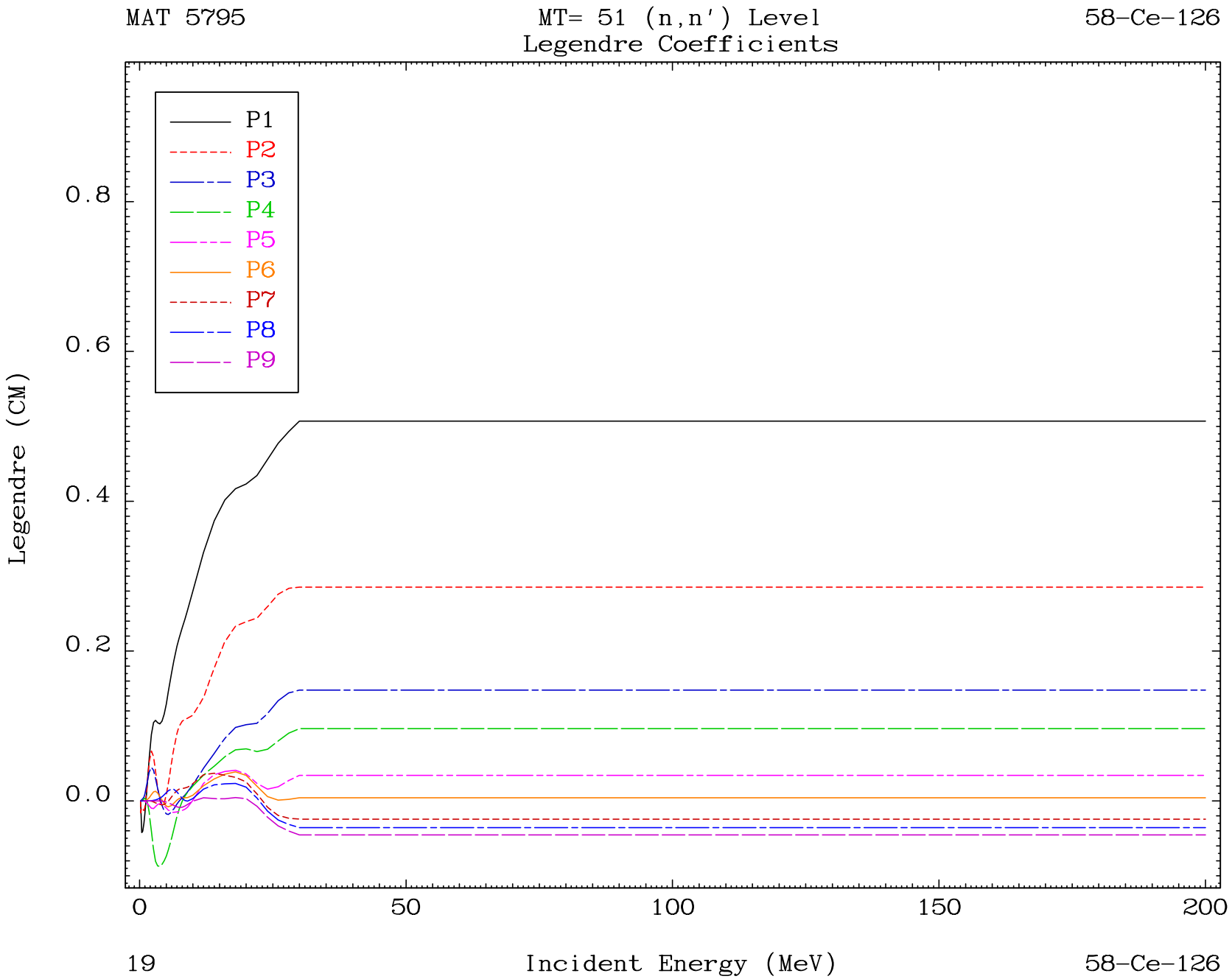

MAT 5795
Energy Release
Parameters
58-Ce-126
Kerma total (eV-barns)
Kerma elastic
Kerma non-elastic (all but mt2)
Kerma inelastic (mt51-91)
Kerma capture (mt102)
Total photon (eV-barns)
Total kinematic kerma (high limit)
Dpa total (eV-barns)
Dpa elastic (mt2)
Dpa inelastic (mt51-91)
Dpa disappearance (mt102 -120)
Parameters
10^{14}
10^{12}
10^{10}
10^{8}
10^{6}
10^{4}
10^{-10}
10^{-8}
10^{-6}
10^{-4}
10^{-2}
10^{0}
10^{2}
14
Incident Energy (MeV)
58-Ce-126

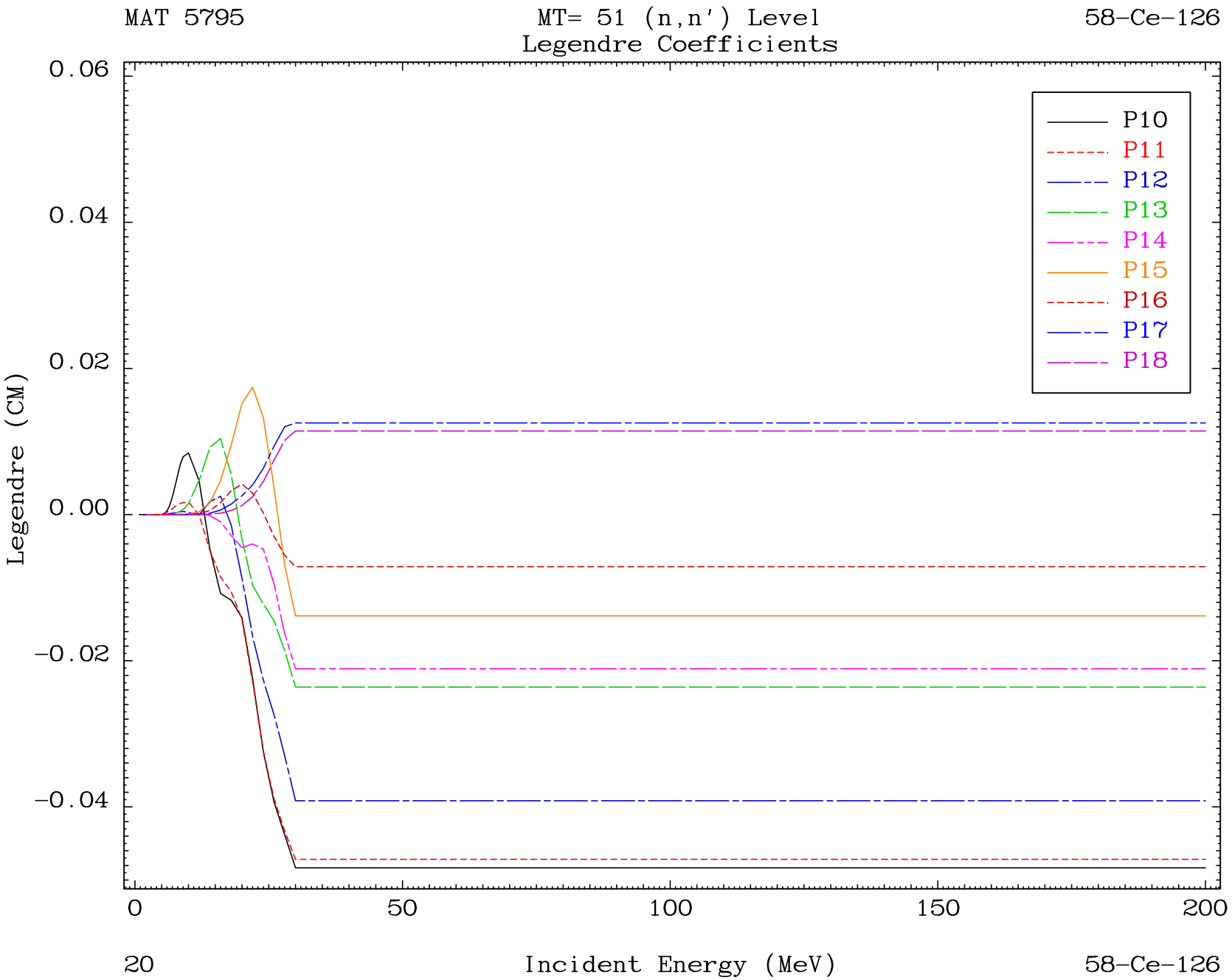

MAT 5795
Elastic
Legendre Coefficients
58-Ce-126
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
15
Incident Energy (MeV)
58-Ce-126
P1
P2
P3
P4
P5
P6
P7
P8
P9

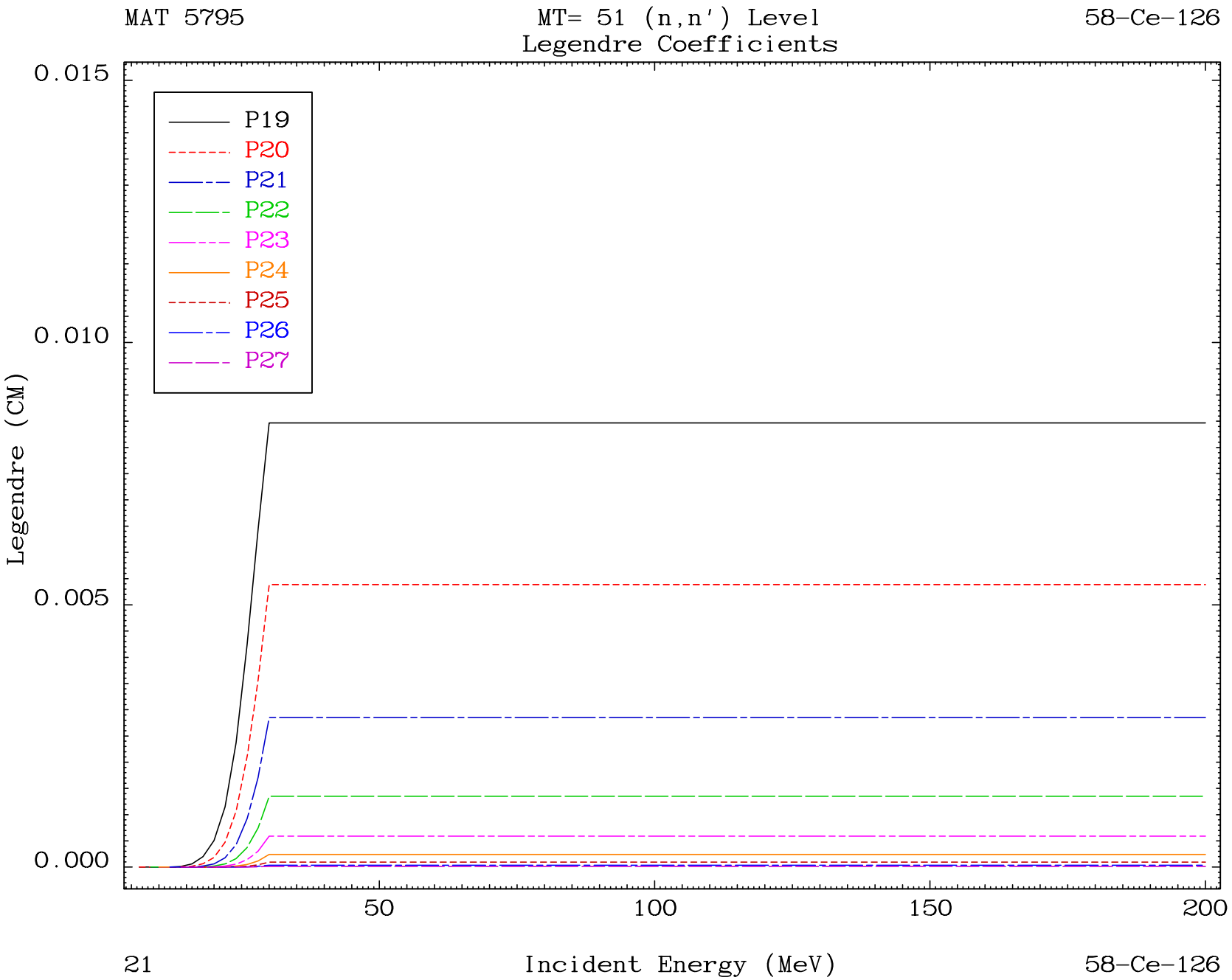

MAT 5795
Elastic
Legendre Coefficients
58-Ce-126
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.3
0.2
0.1
0.0
Legendre (CM)
5
10
15
20
25
30
16
Incident Energy (MeV)
58-Ce-126

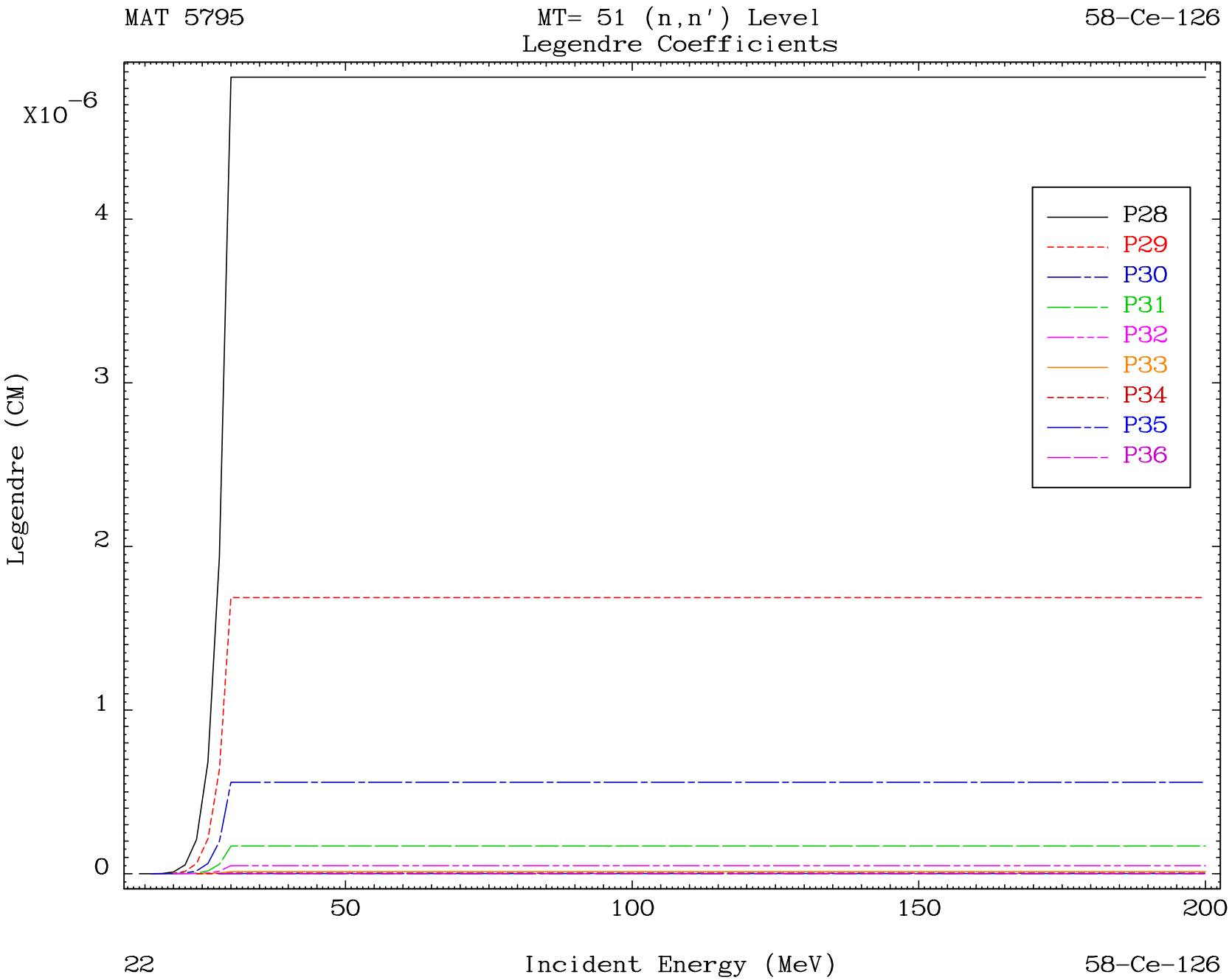

MAT 5795
Elastic
Legendre Coefficients
58-Ce-126
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
10
15
20
25
30
17
Incident Energy (MeV)
58-Ce-126

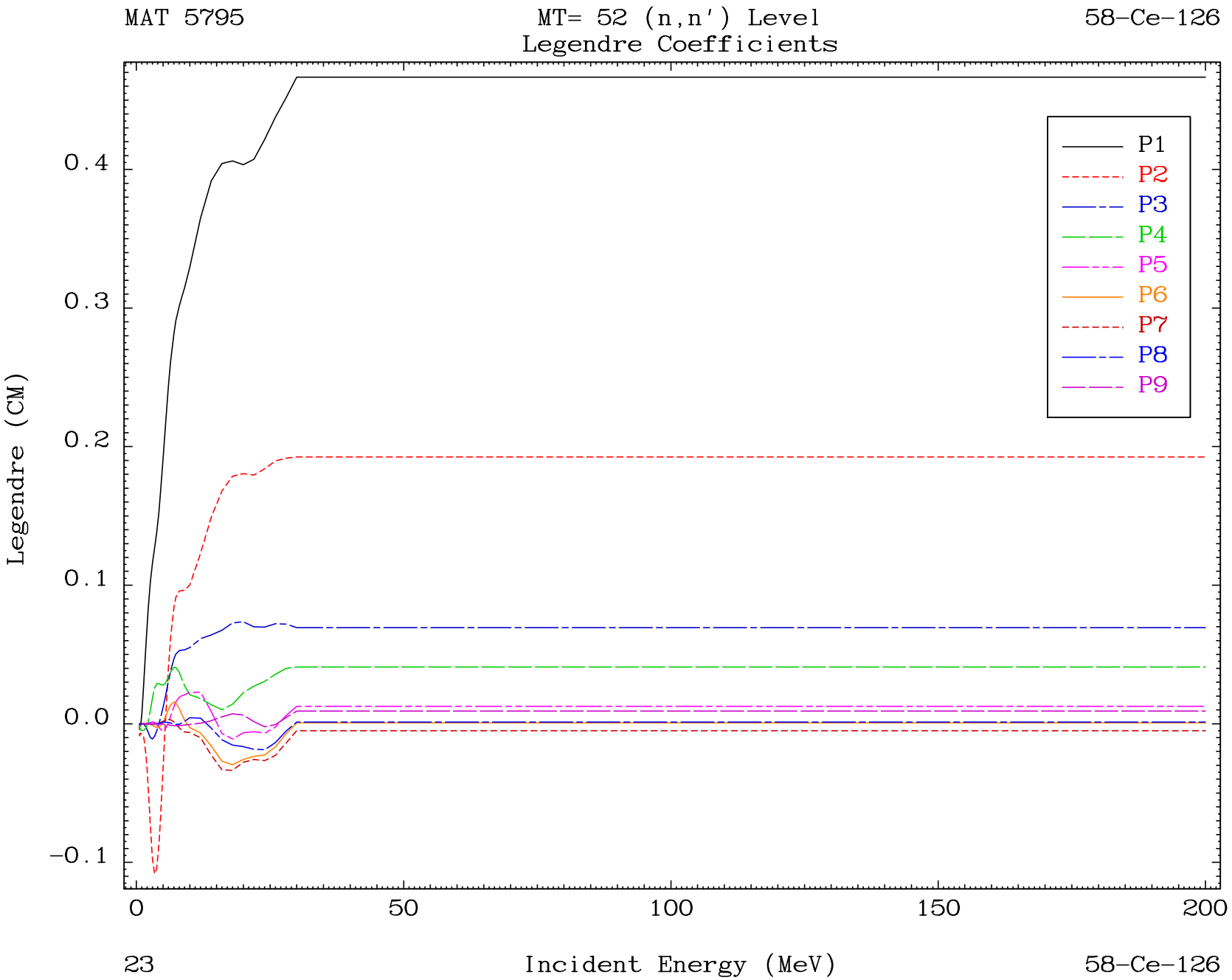

MAT 5795
Elastic
Legendre Coefficients
58-Ce-126
X10-7
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
18
Incident Energy (MeV)
58-Ce-126

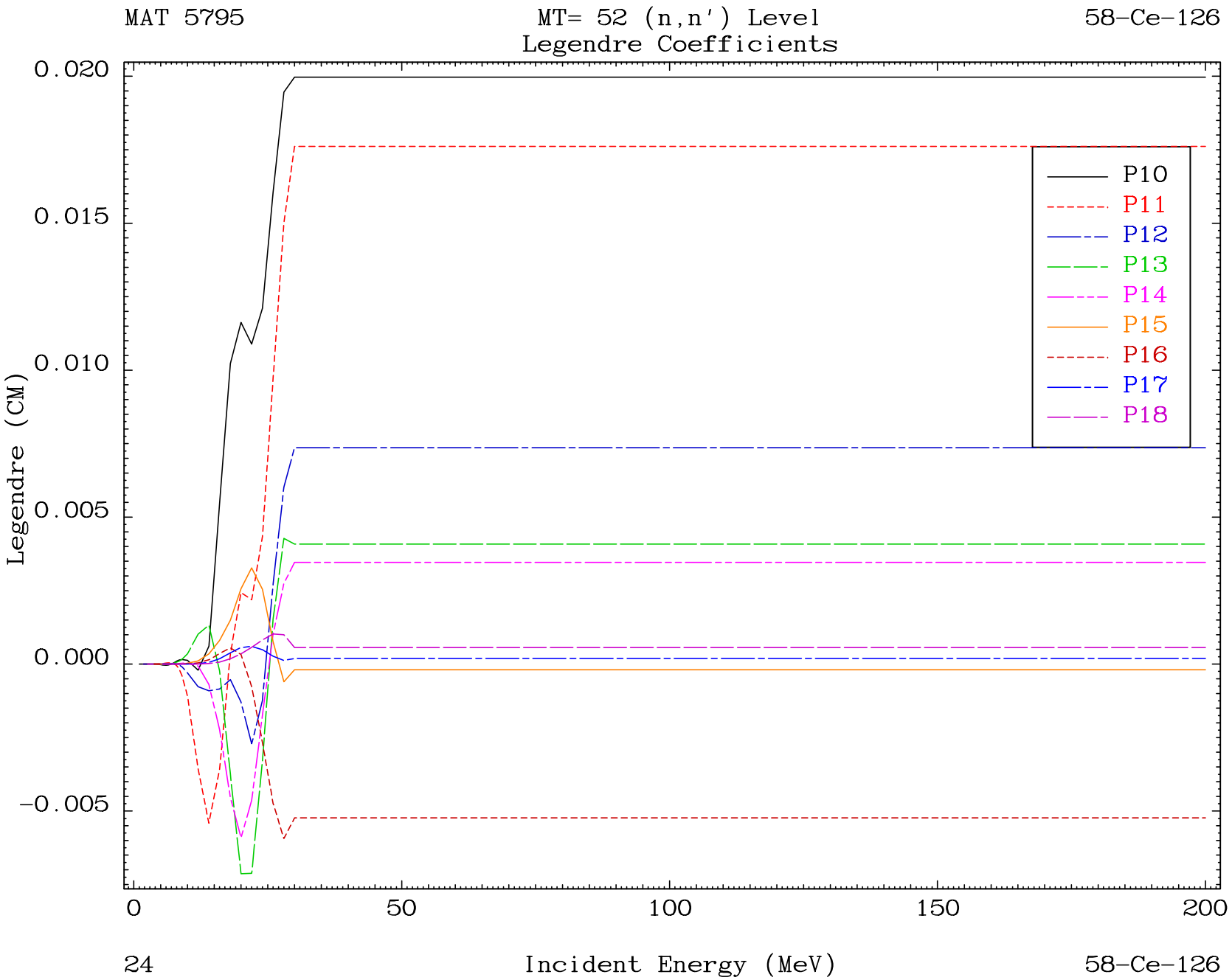

MAT 5795
MT= 51 (n,n') Level
Legendre Coefficients
58-Ce-126
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
19
Incident Energy (MeV)
58-Ce-126

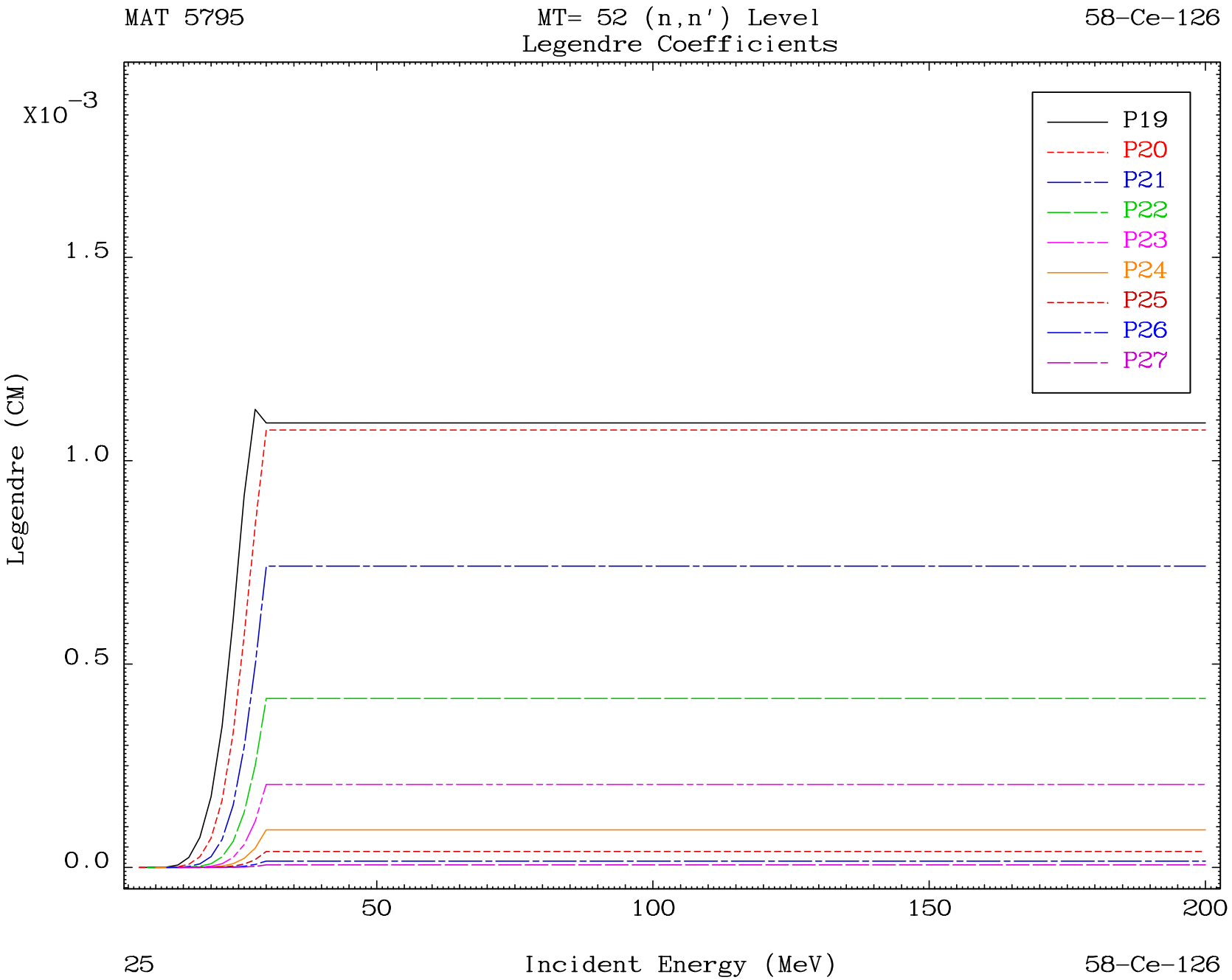

MAT 5795
MT= 51 (n,n') Level
Legendre Coefficients
58-Ce-126
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
20
Incident Energy (MeV)
58-Ce-126

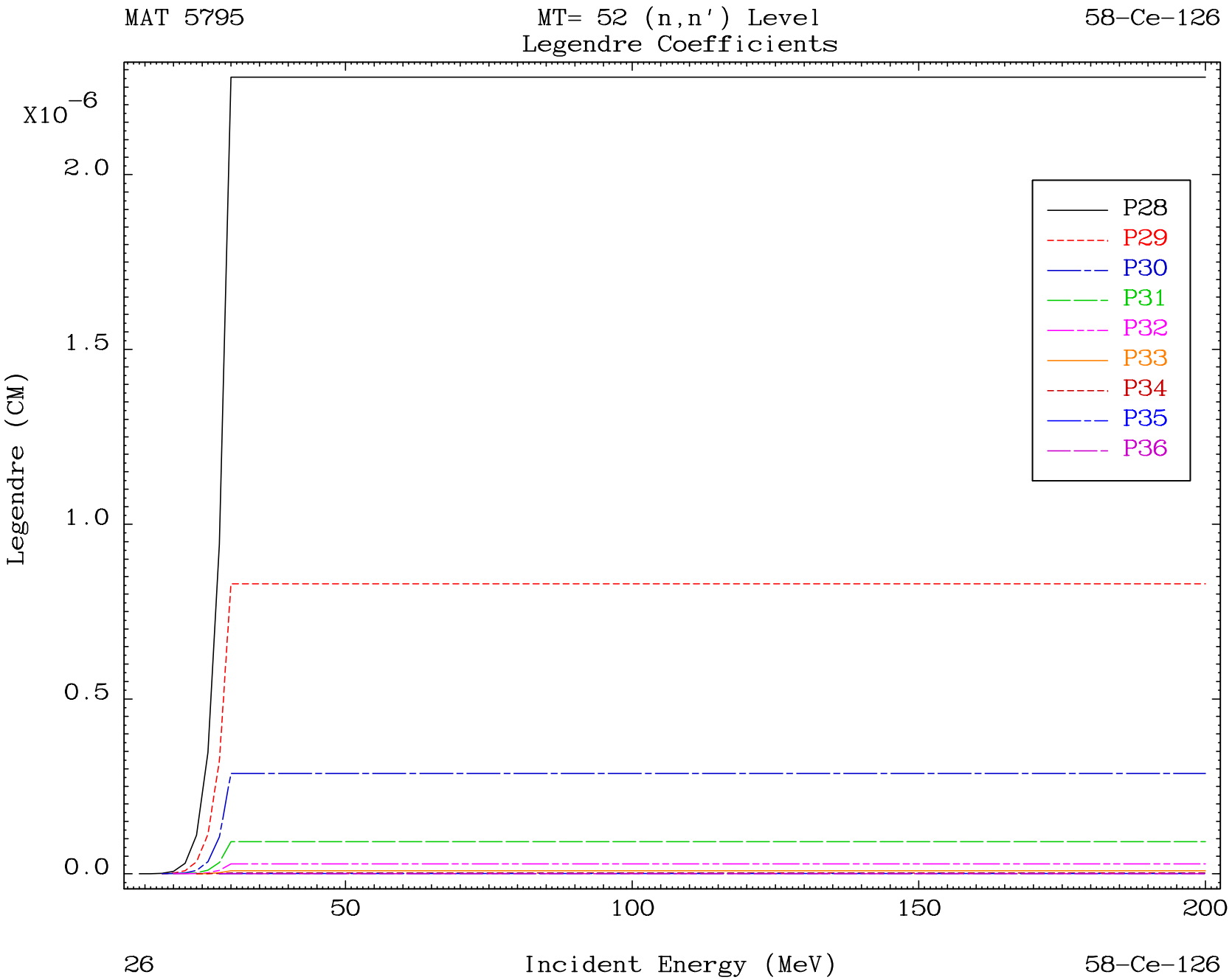

MAT 5795
MT= 51 (n,n') Level
Legendre Coefficients
58-Ce-126
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
21
Incident Energy (MeV)
58-Ce-126

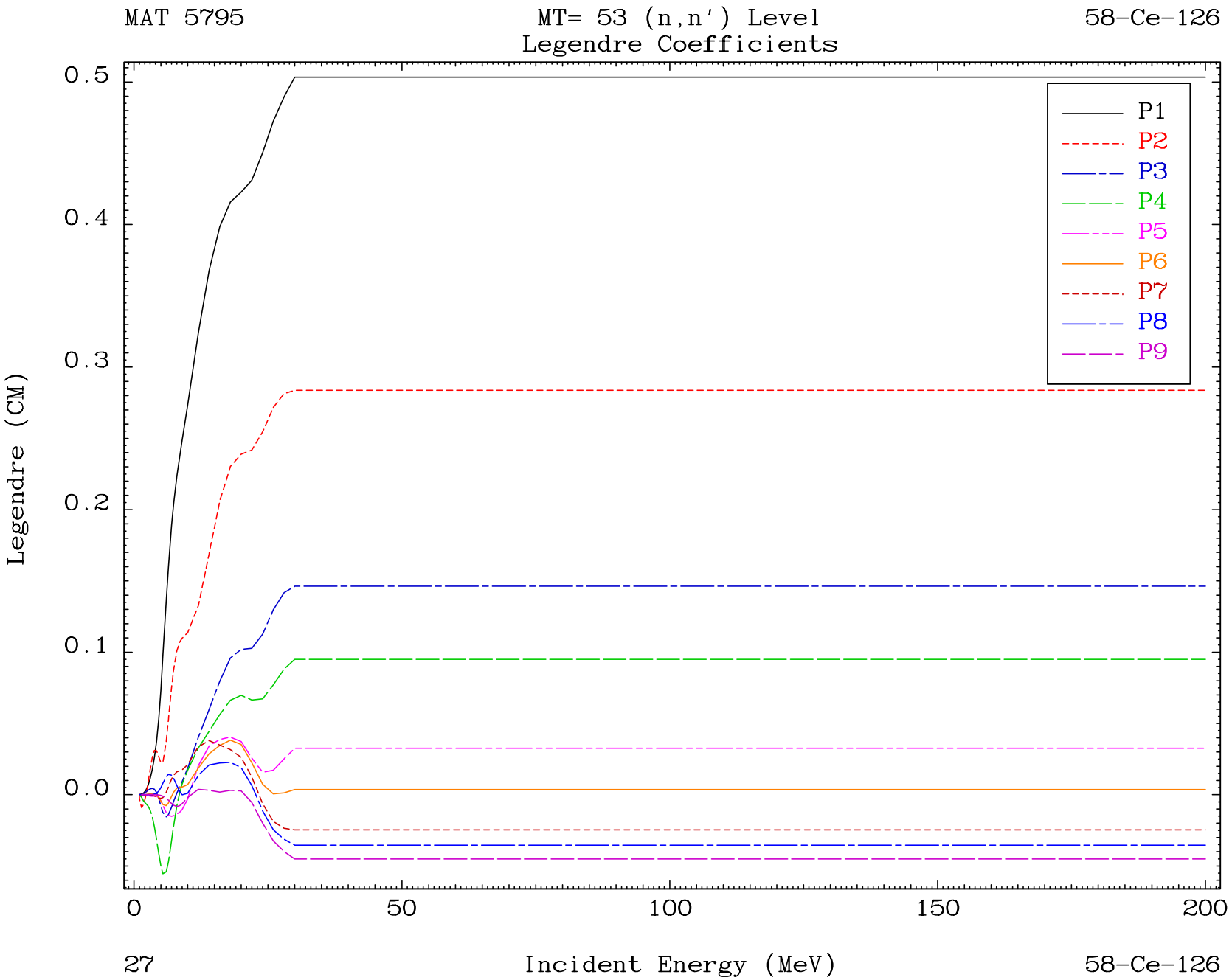

MAT 5795
MT= 51 (n,n') Level
Legendre Coefficients
58-Ce-126
X10 −6
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
22
Incident Energy (MeV)
58-Ce-126

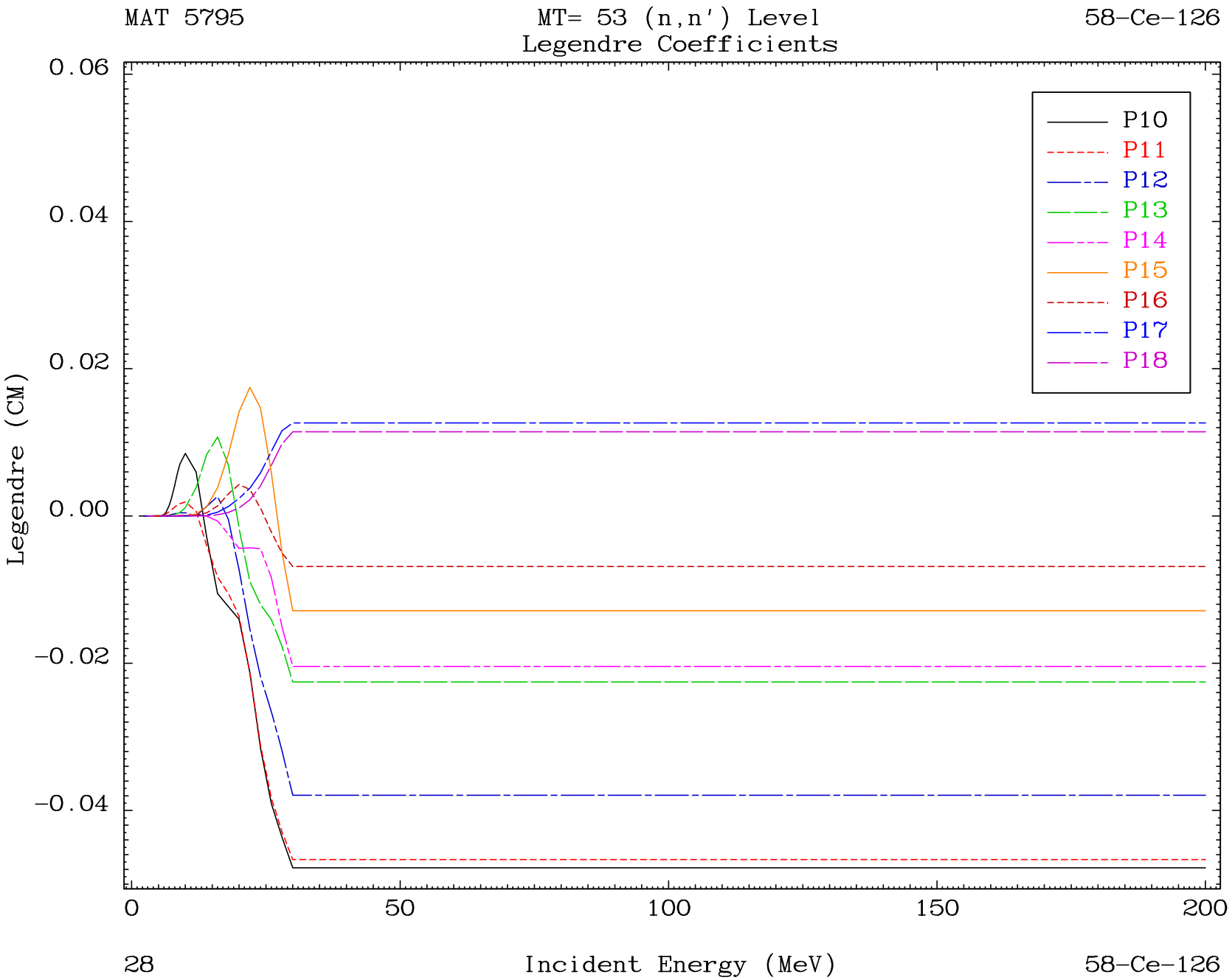

MAT 5795
MT= 52 (n,n') Level
Legendre Coefficients
58-Ce-126
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
23
Incident Energy (MeV)
58-Ce-126
P1
P2
P3
P4
P5
P6
P7
P8
P9

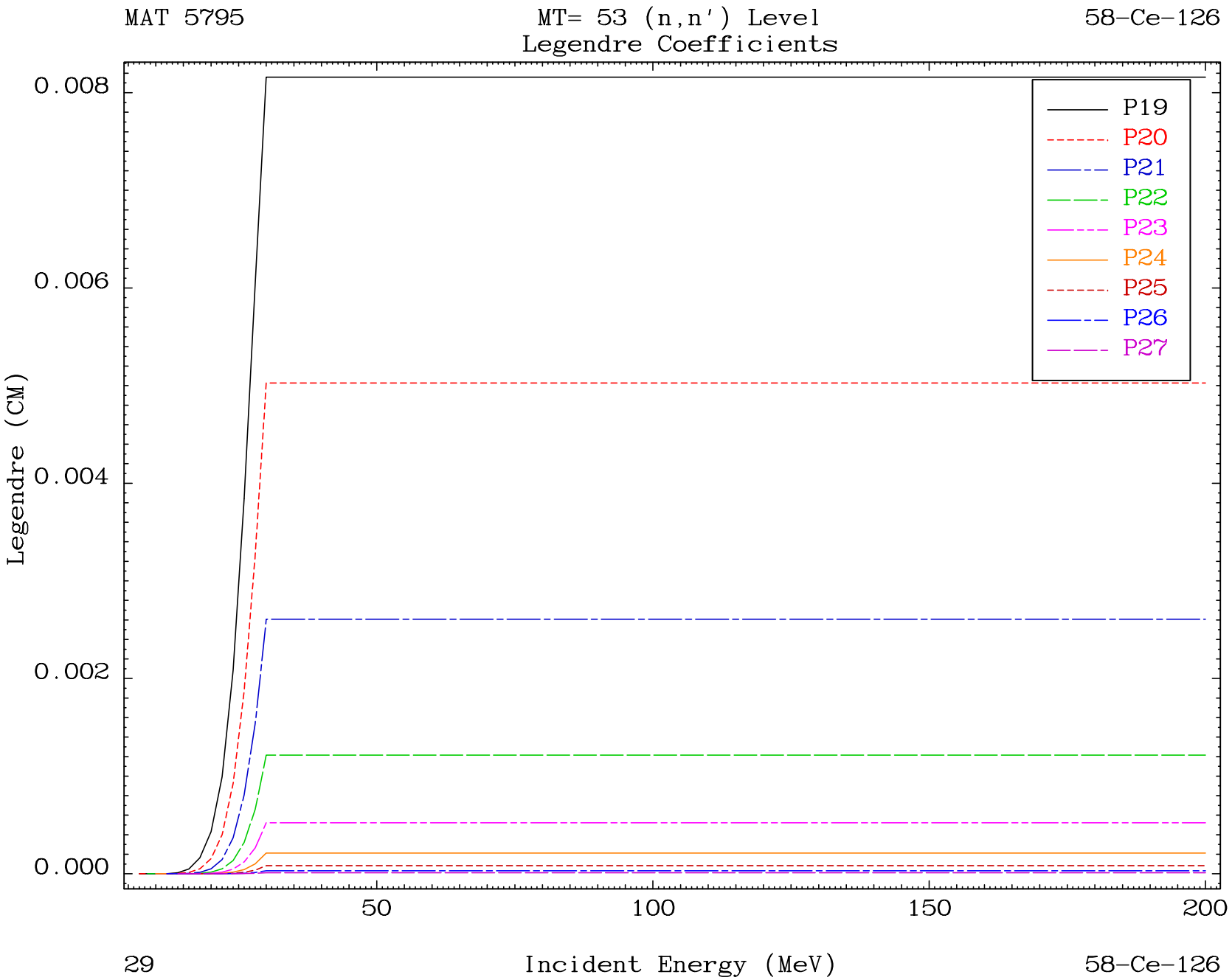

MAT 5795
MT= 52 (n,n') Level
Legendre Coefficients
58-Ce-126
0.020
0.015
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
24
Incident Energy (MeV)
58-Ce-126

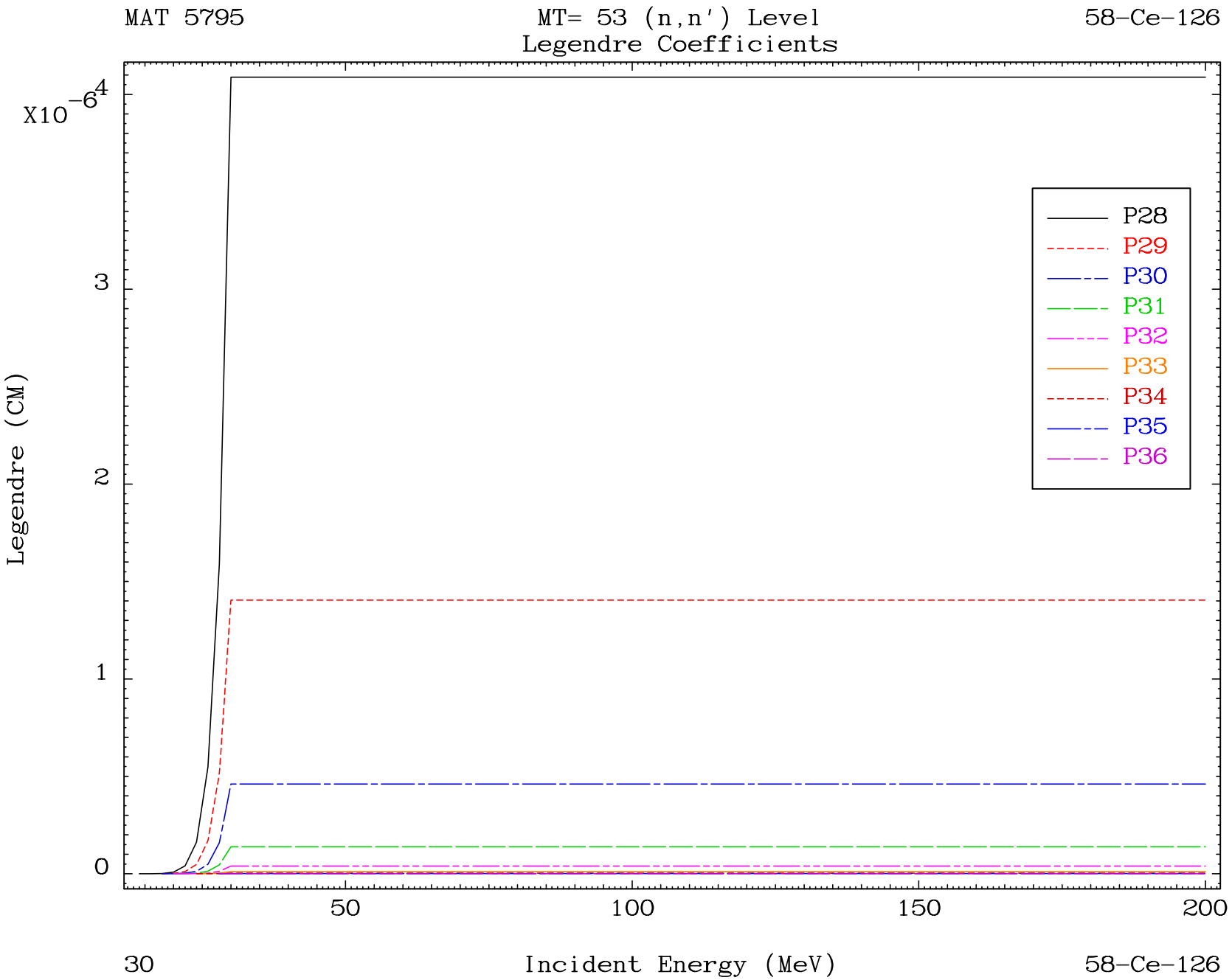

MAT 5795
MT= 52 (n,n') Level
Legendre Coefficients
58-Ce-126
X10-3
1.5
1.0
0.5
0.0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
25
Incident Energy (MeV)
58-Ce-126

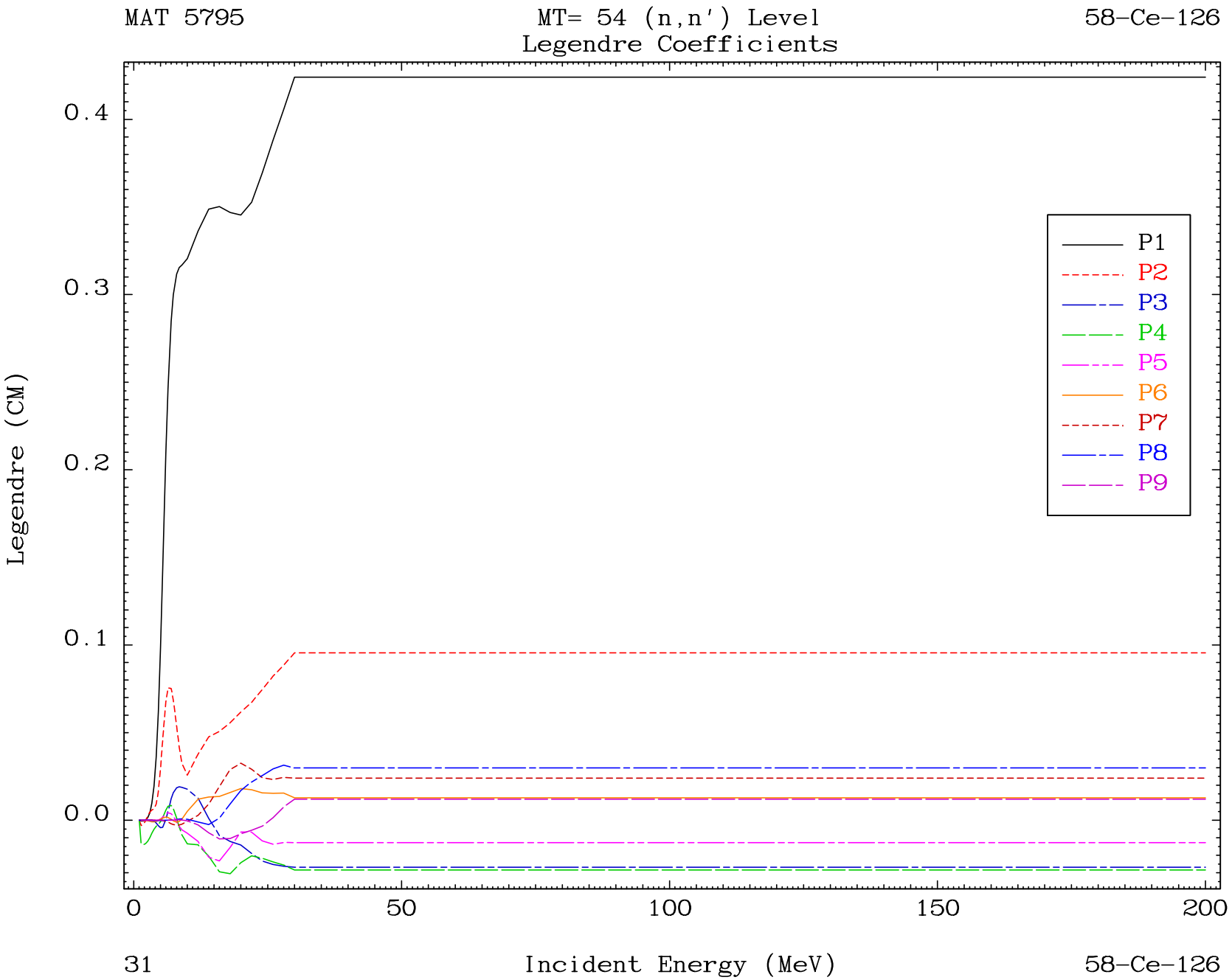

MAT 5795
MT= 52 (n,n') Level
Legendre Coefficients
58-Ce-126
X10^-6
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
26
Incident Energy (MeV)
58-Ce-126

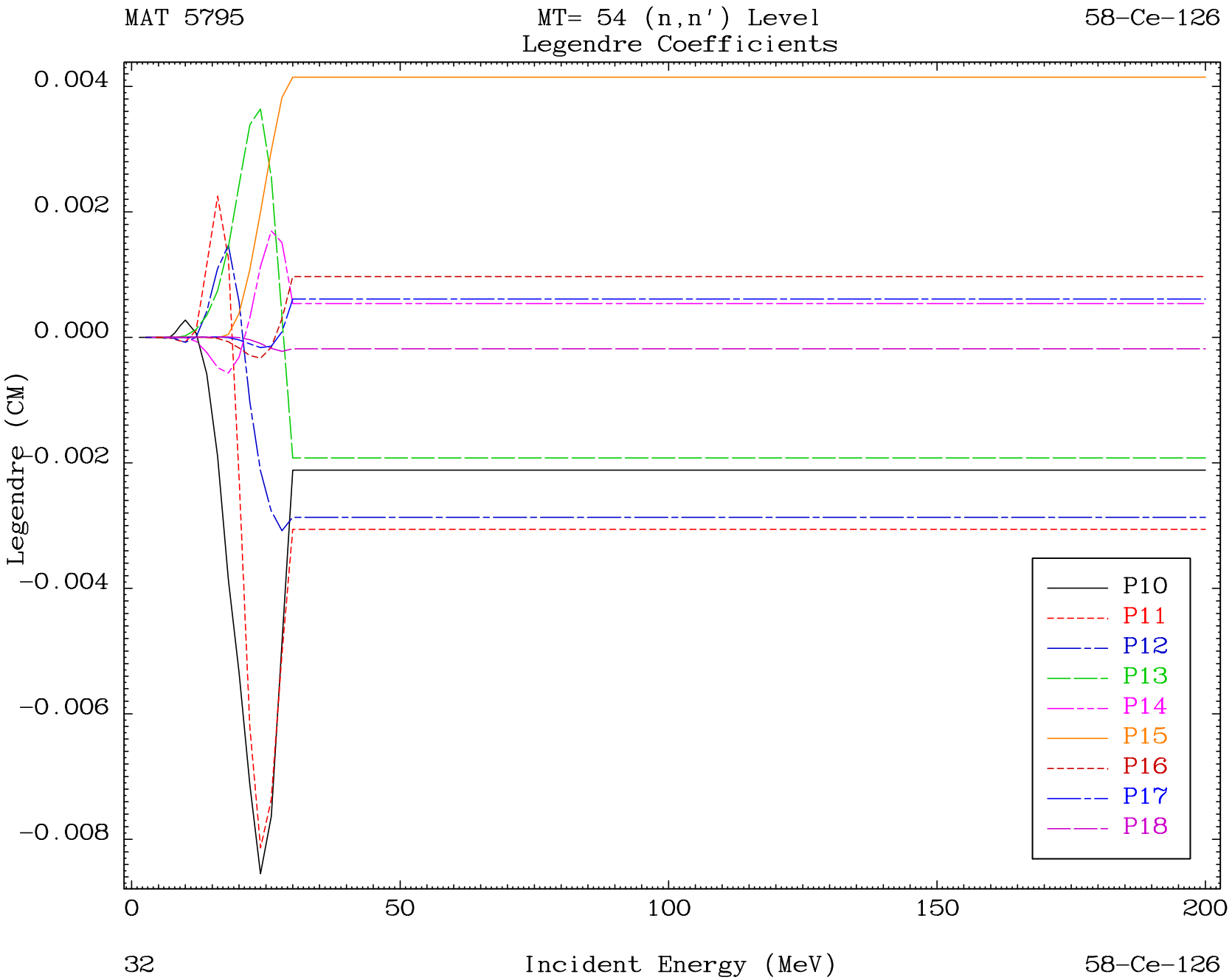

MAT 5795
MT= 53 (n,n') Level
Legendre Coefficients
58-Ce-126
0.5
0.4
0.3
0.2
0.1
0.0
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
27
Incident Energy (MeV)
58-Ce-126

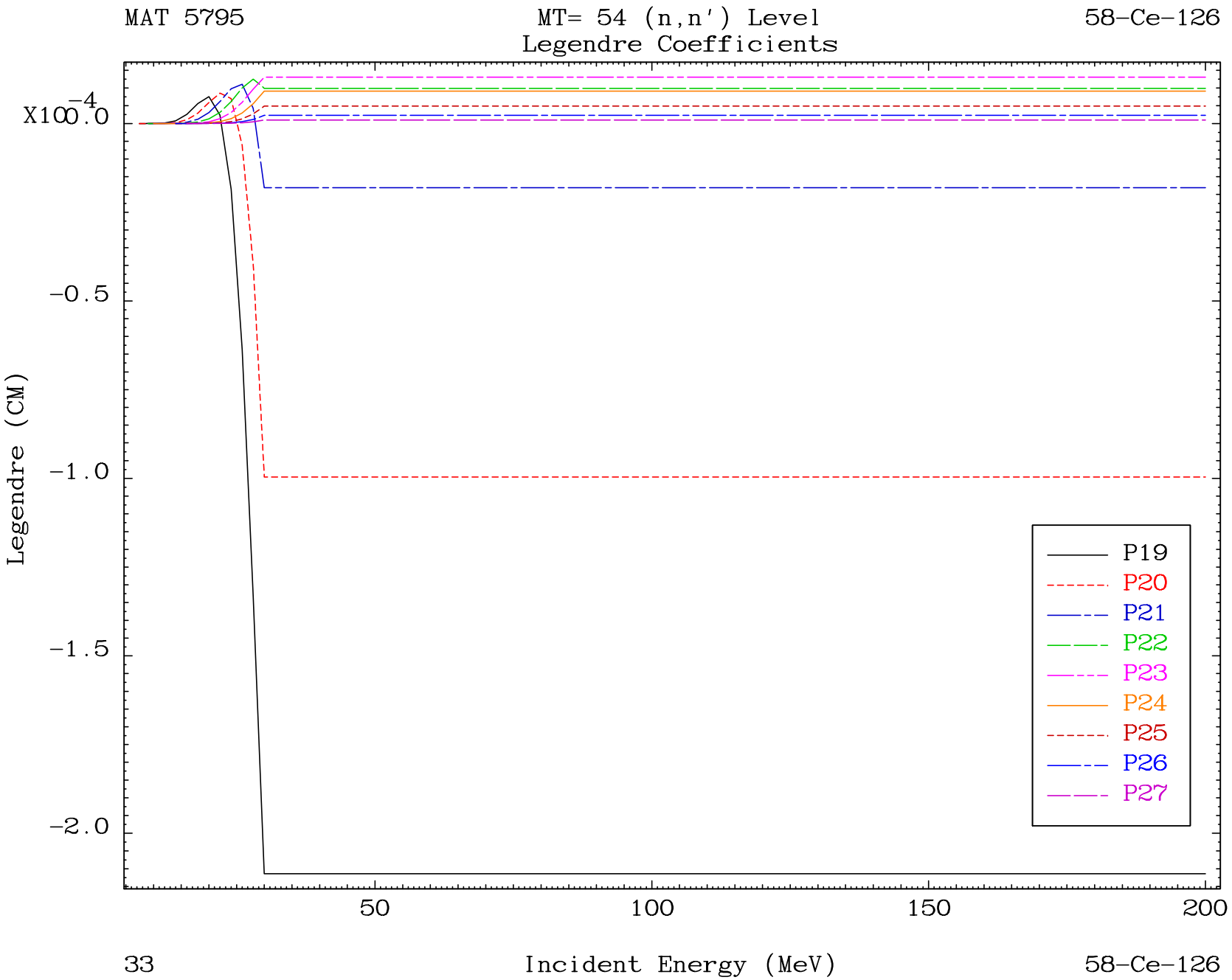

MAT 5795
MT= 53 (n,n') Level
Legendre Coefficients
58-Ce-126
0.06
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
28
Incident Energy (MeV)
58-Ce-126

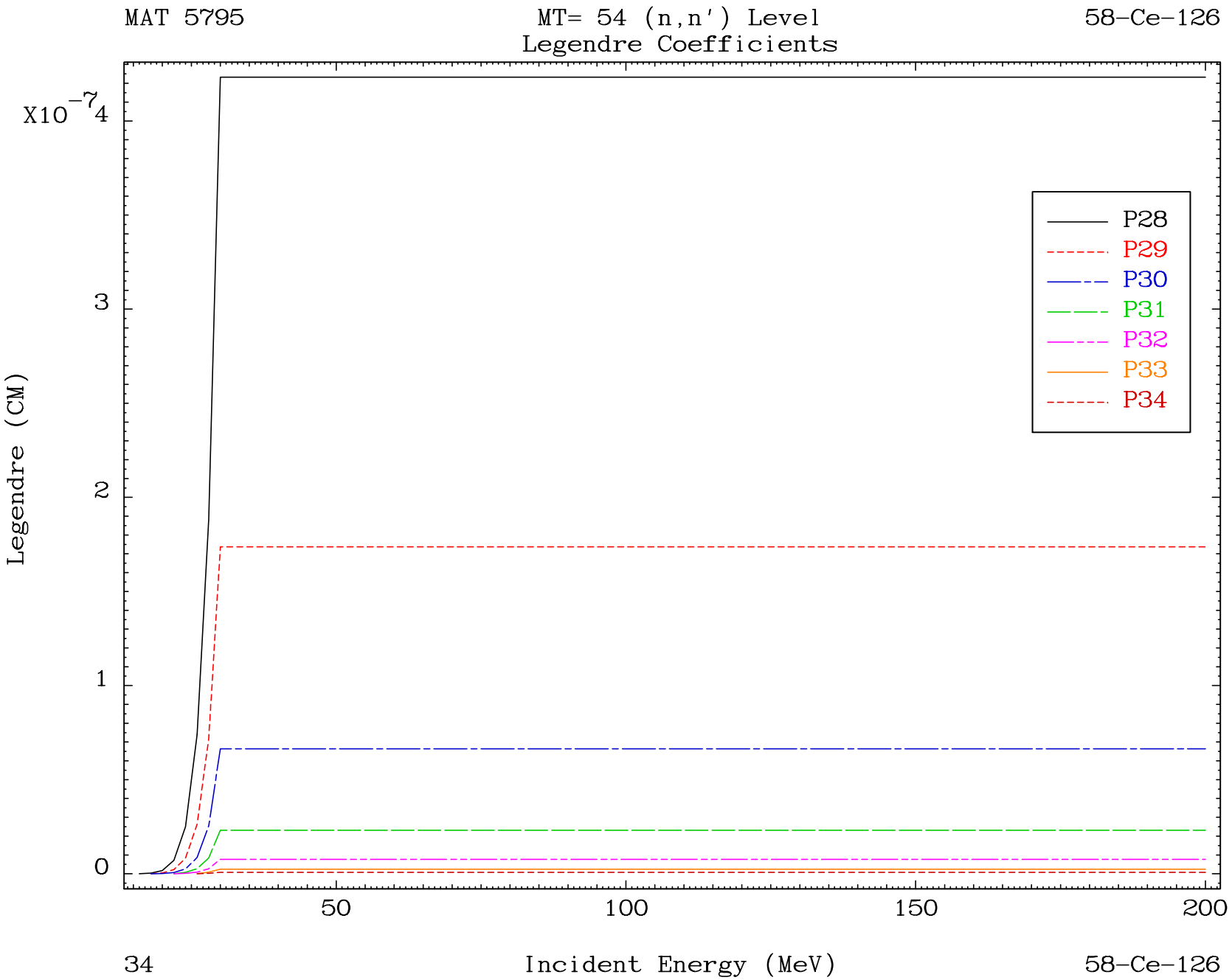

MAT 5795
MT= 53 (n,n') Level
Legendre Coefficients
58-Ce-126
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
29
Incident Energy (MeV)
58-Ce-126

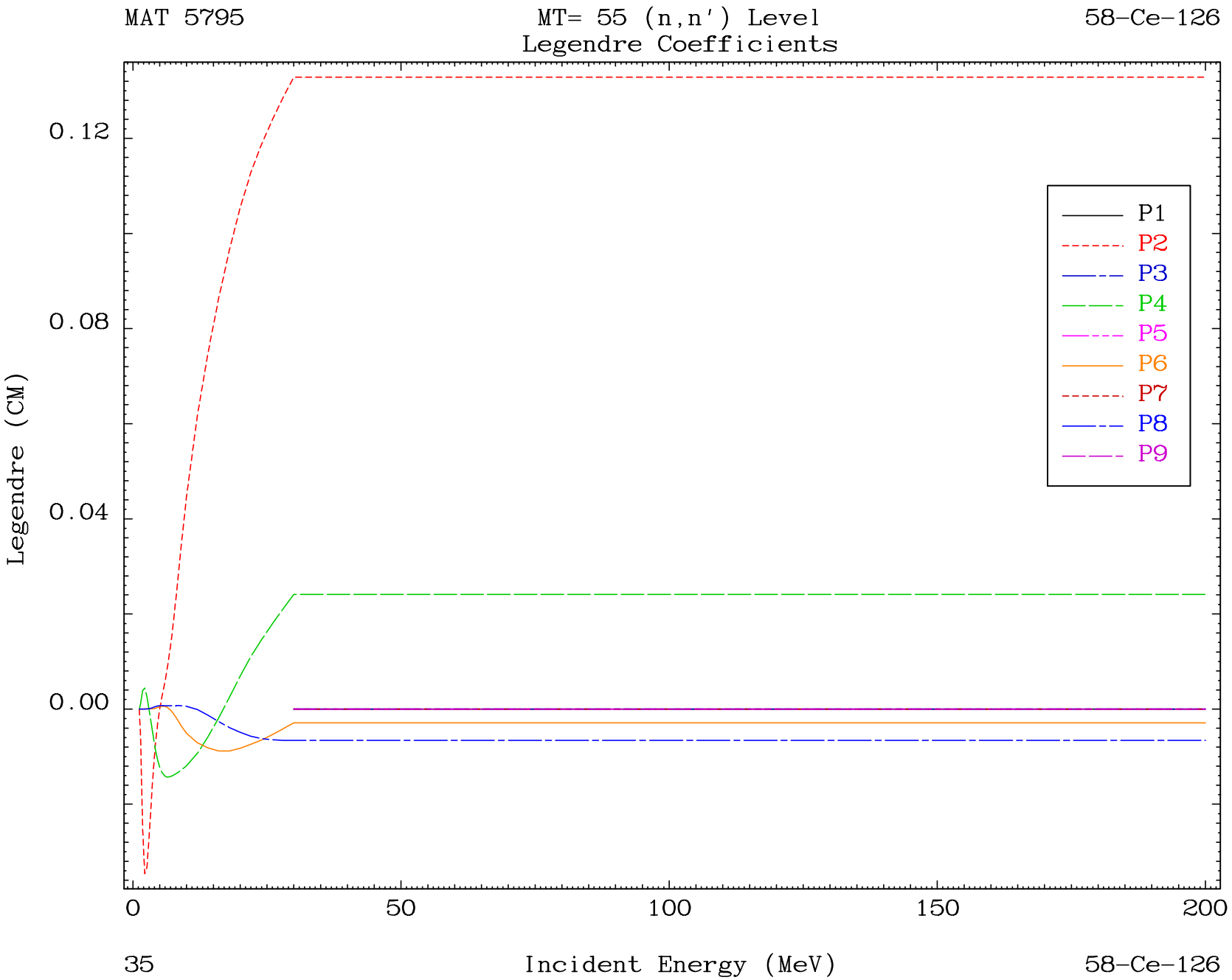

MAT 5795
MT= 53 (n,n') Level
Legendre Coefficients
58-Ce-126
X10^-6
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
30
Incident Energy (MeV)
58-Ce-126

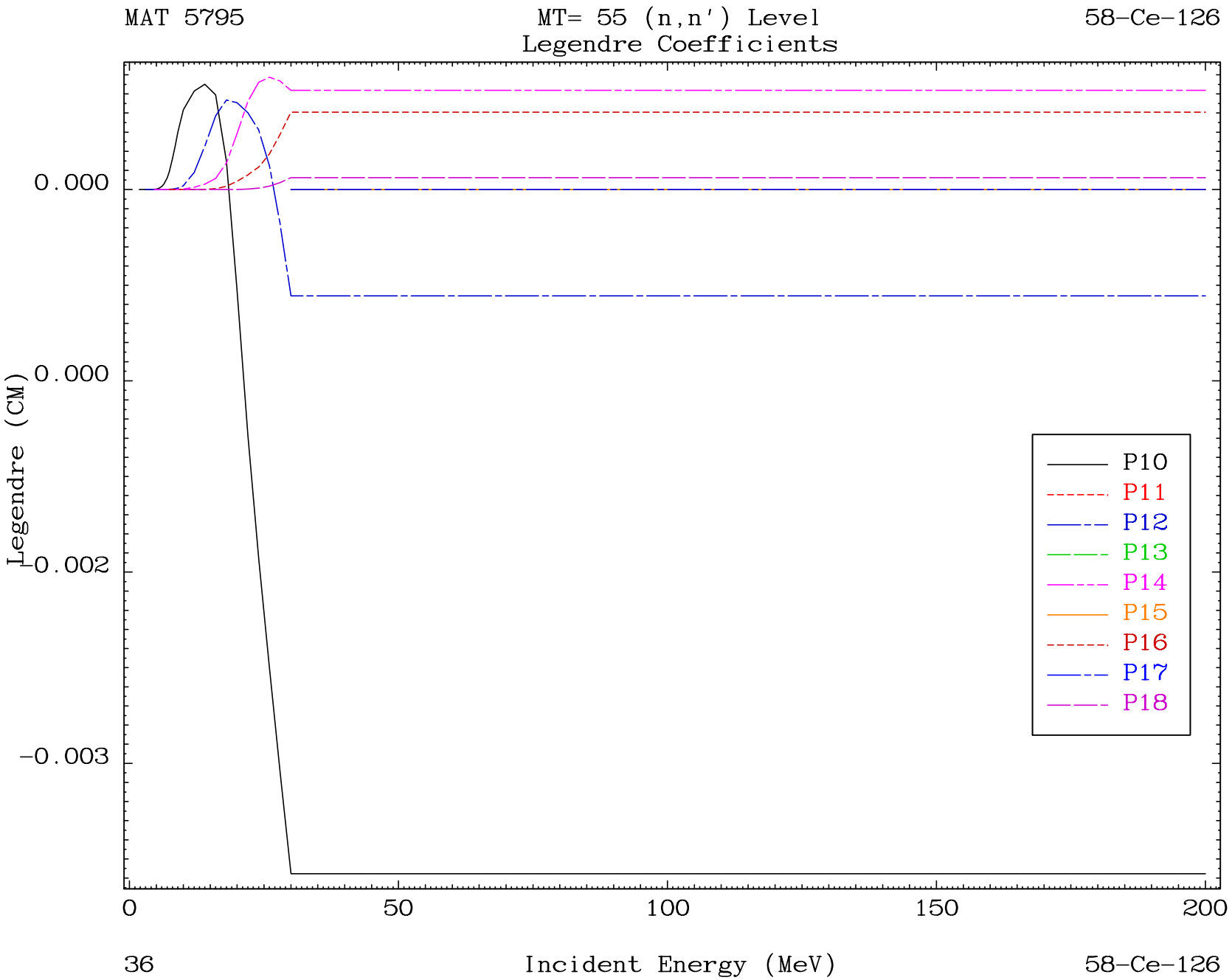

MAT 5795
MT= 54 (n,n') Level
Legendre Coefficients
58-Ce-126
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
Incident Energy (MeV)
31
58-Ce-126
P1
P2
P3
P4
P5
P6
P7
P8
P9

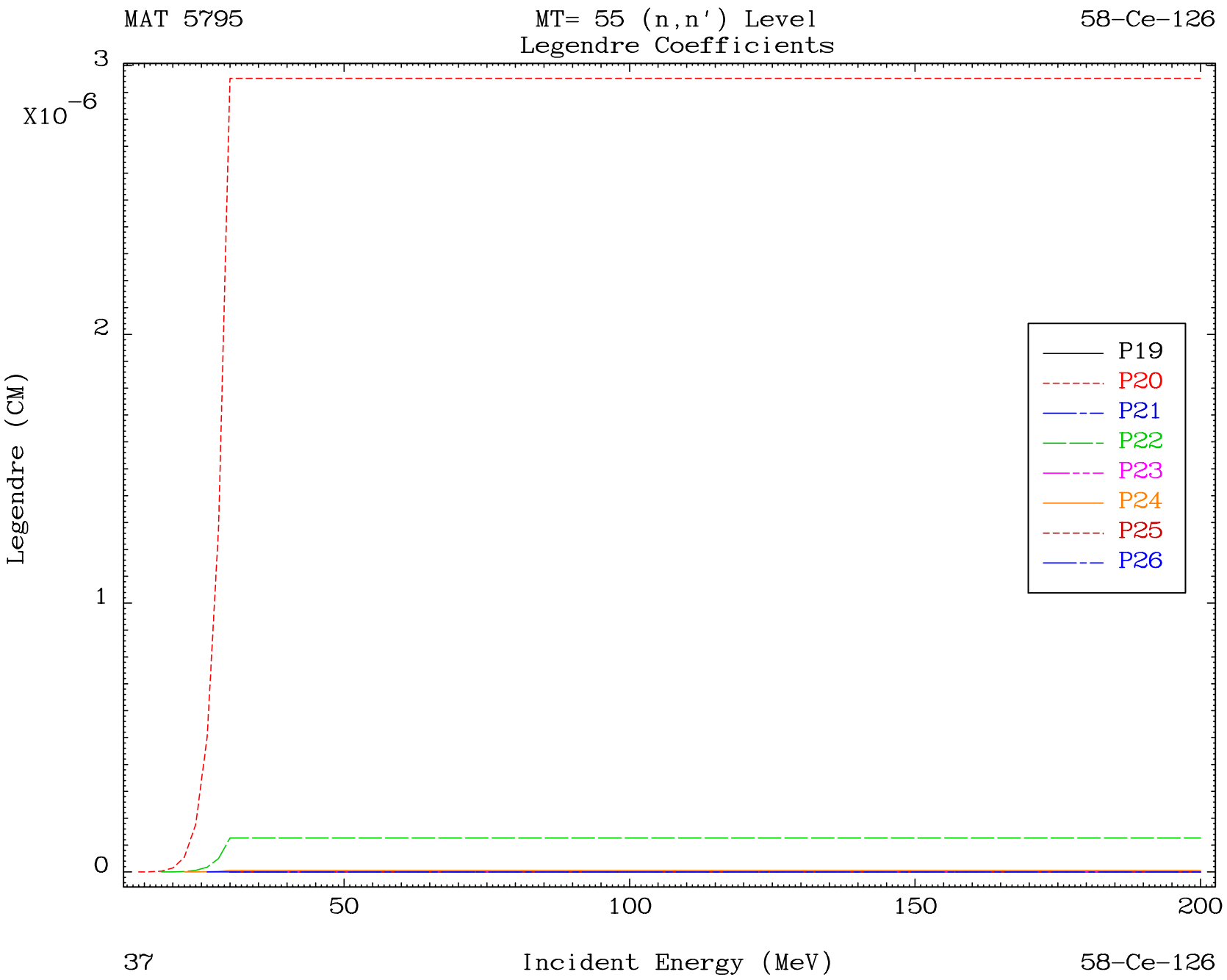

MAT 5795
MT= 54 (n,n') Level
Legendre Coefficients
58-Ce-126
0.004
0.002
0.000
−0.002
−0.004
−0.006
−0.008
Legendre (CM)
0
50
100
150
200
32
Incident Energy (MeV)
58-Ce-126
P10
P11
P12
P13
P14
P15
P16
P17
P18

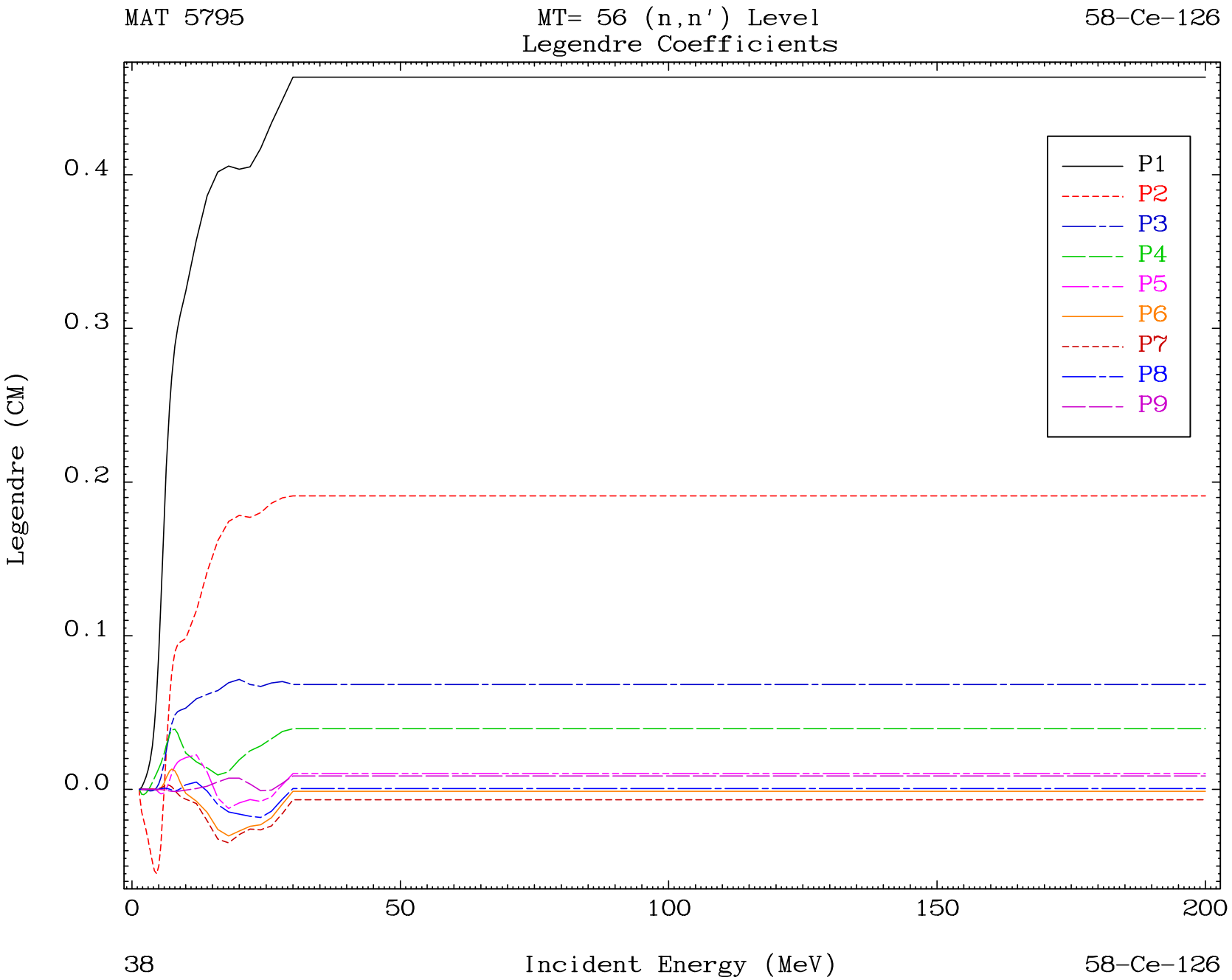

MAT 5795
MT= 54 (n,n') Level
Legendre Coefficients
58-Ce-126
X10^-4
0.0
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
33
Incident Energy (MeV)
58-Ce-126
P19
P20
P21
P22
P23
P24
P25
P26
P27

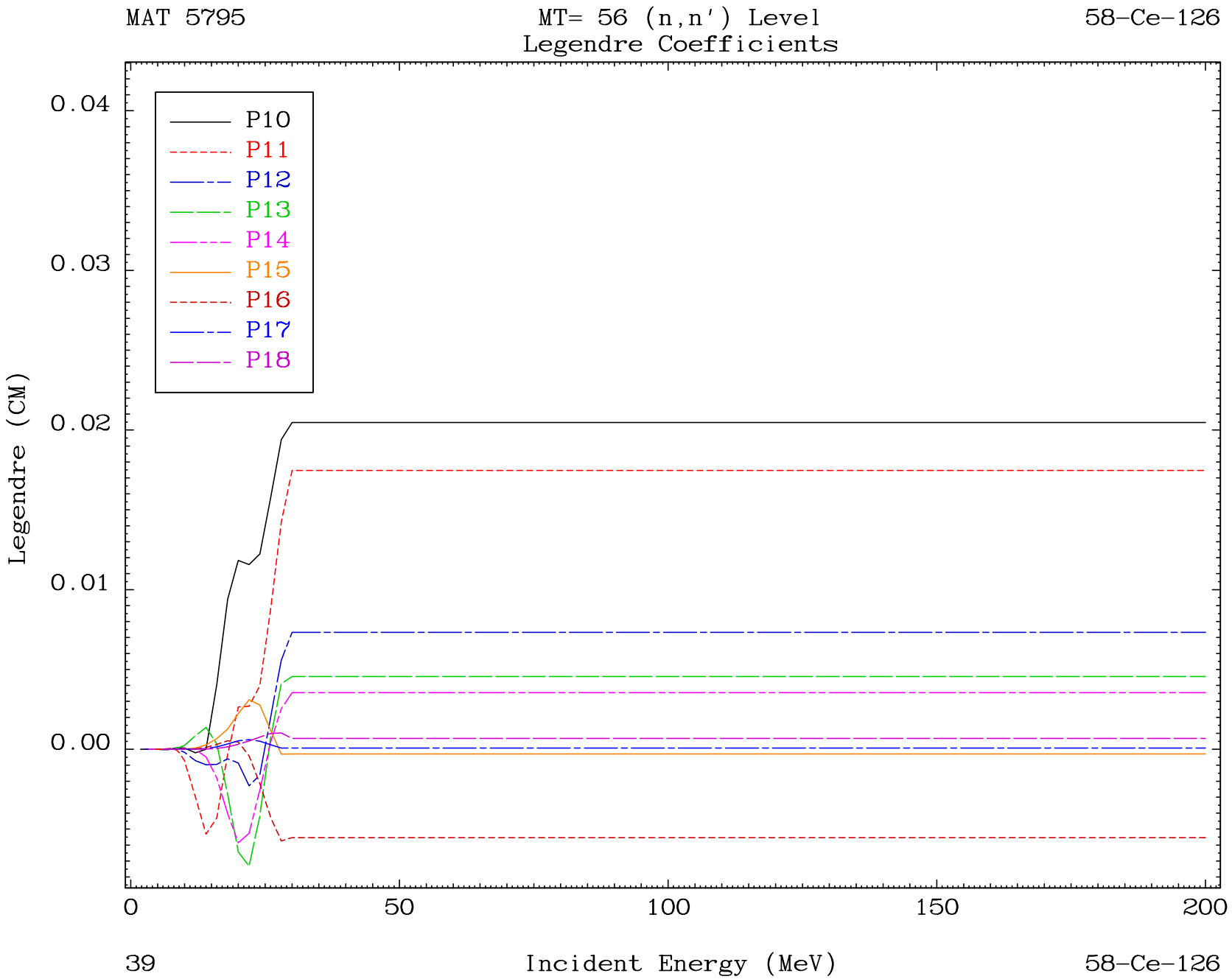

MAT 5795
MT= 54 (n,n') Level
Legendre Coefficients
58-Ce-126
X10^-7
4
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
34
Incident Energy (MeV)
58-Ce-126

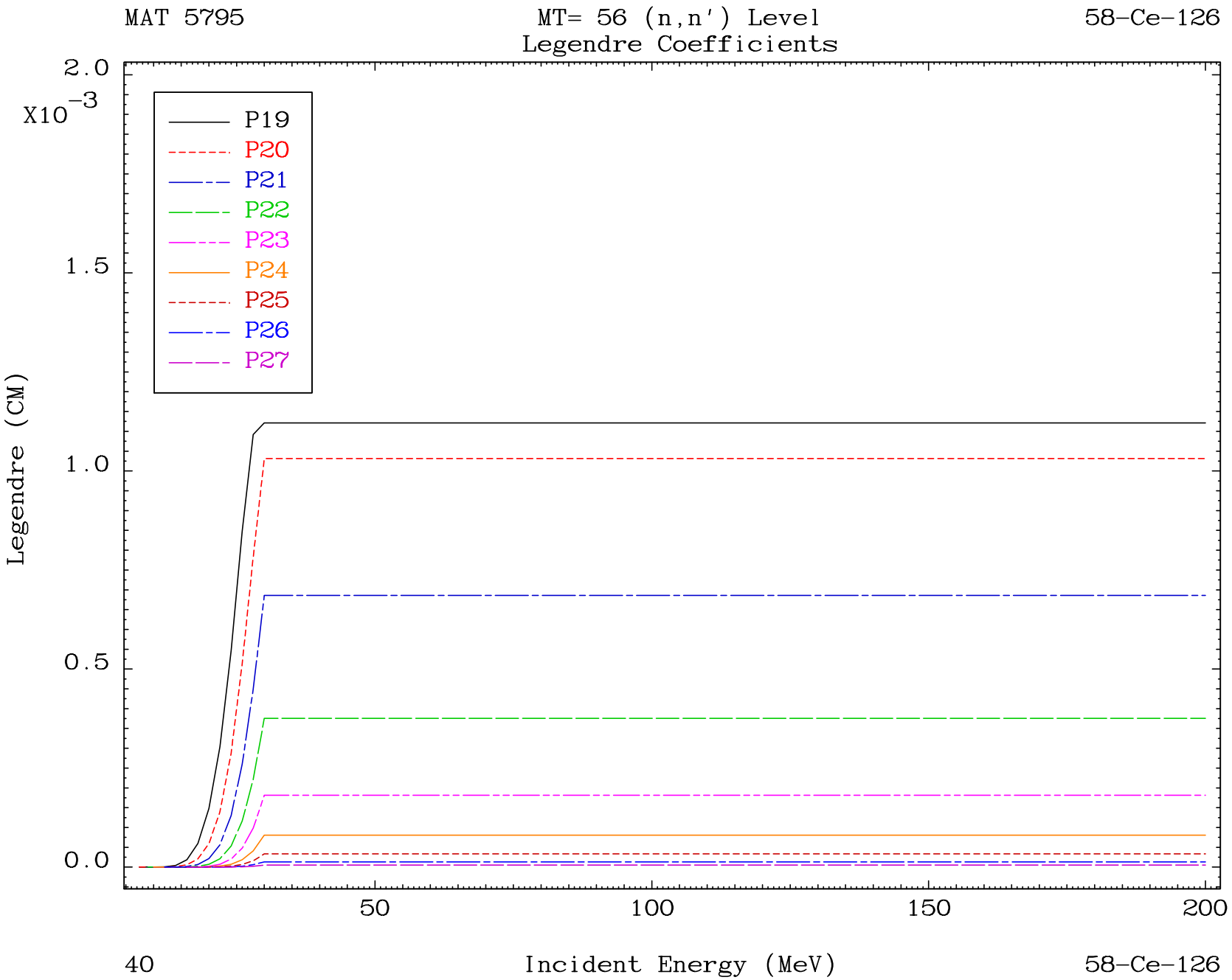

MAT 5795
MT= 55 (n,n') Level
Legendre Coefficients
58-Ce-126
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
35
Incident Energy (MeV)
58-Ce-126

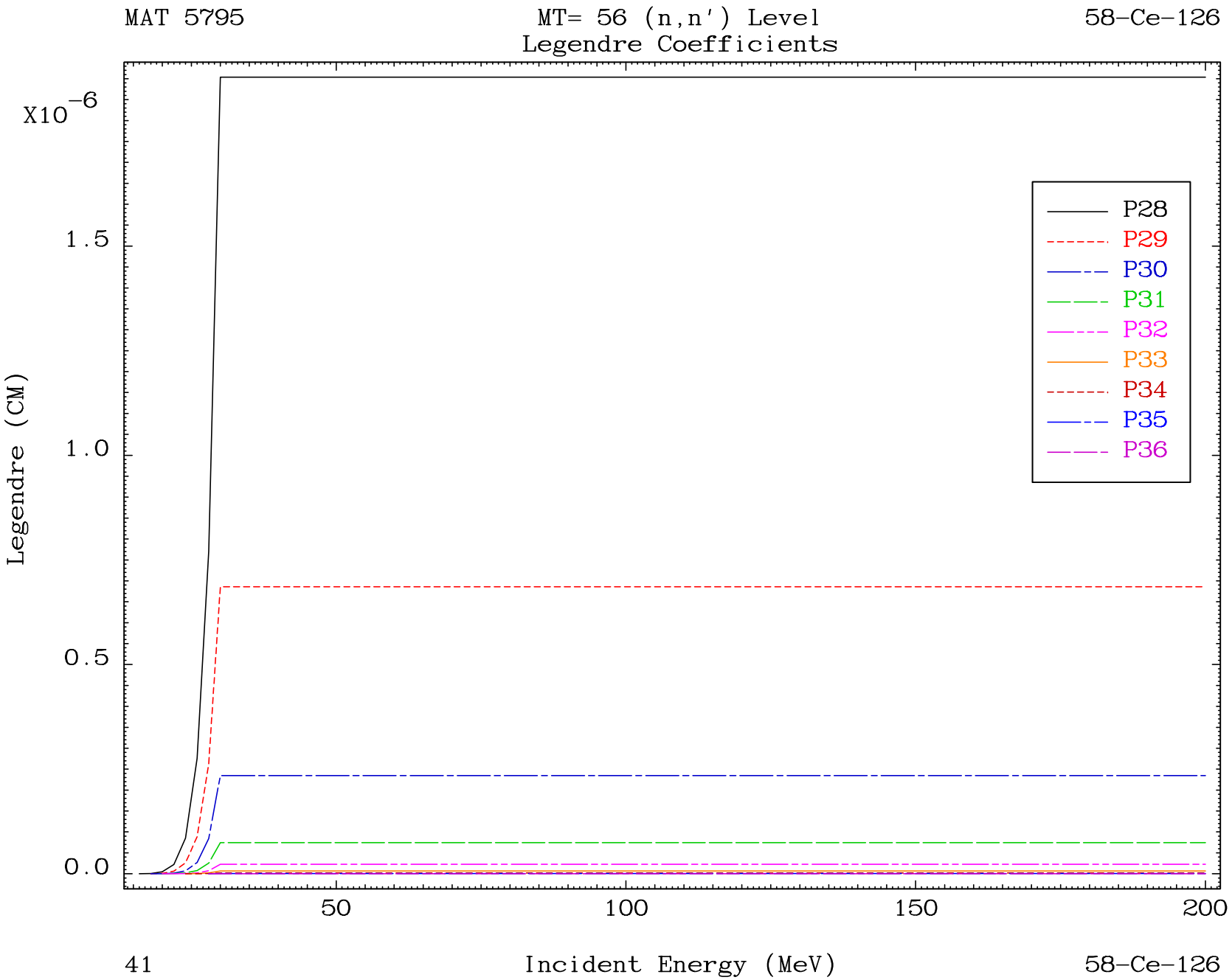

MAT 5795
MT= 55 (n,n') Level
Legendre Coefficients
58-Ce-126
0.000
0.000
-0.002
-0.003
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
36
Incident Energy (MeV)
58-Ce-126

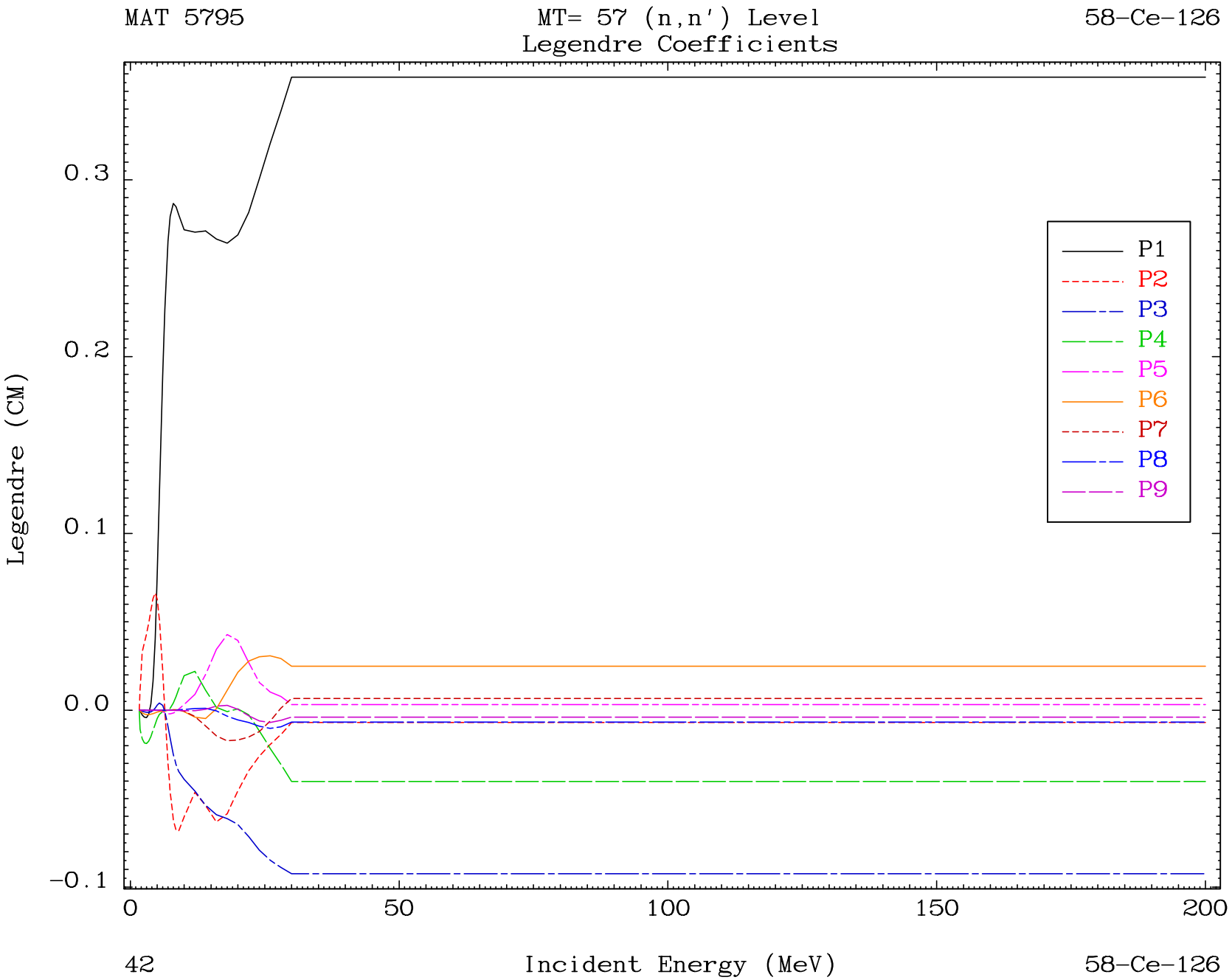

MAT 5795
MT= 55 (n,n') Level
Legendre Coefficients
58-Ce-126
X10^-6
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
37
Incident Energy (MeV)
58-Ce-126

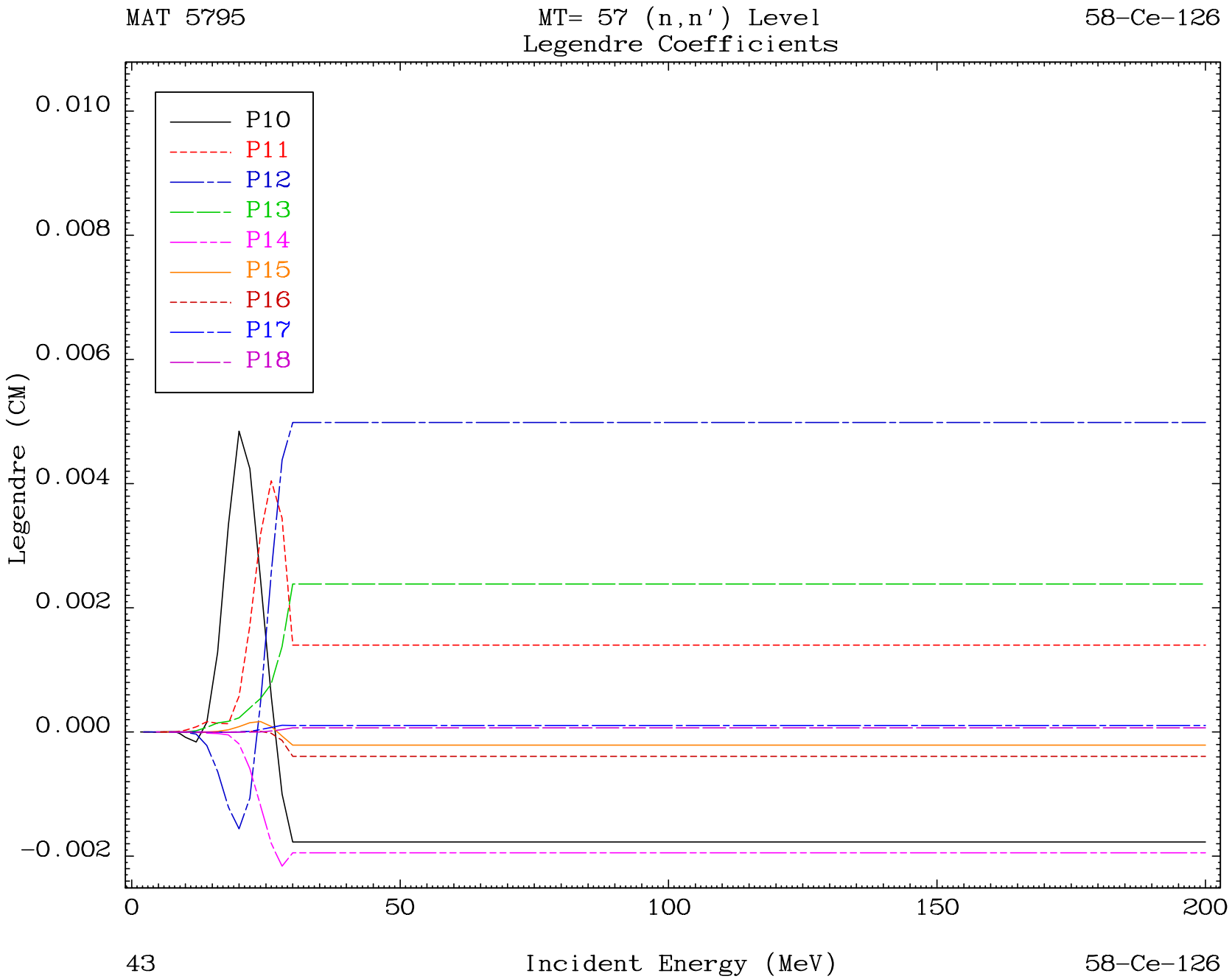

MAT 5795
MT= 56 (n,n') Level
Legendre Coefficients
58-Ce-126
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
38
Incident Energy (MeV)
58-Ce-126
P1
P2
P3
P4
P5
P6
P7
P8
P9

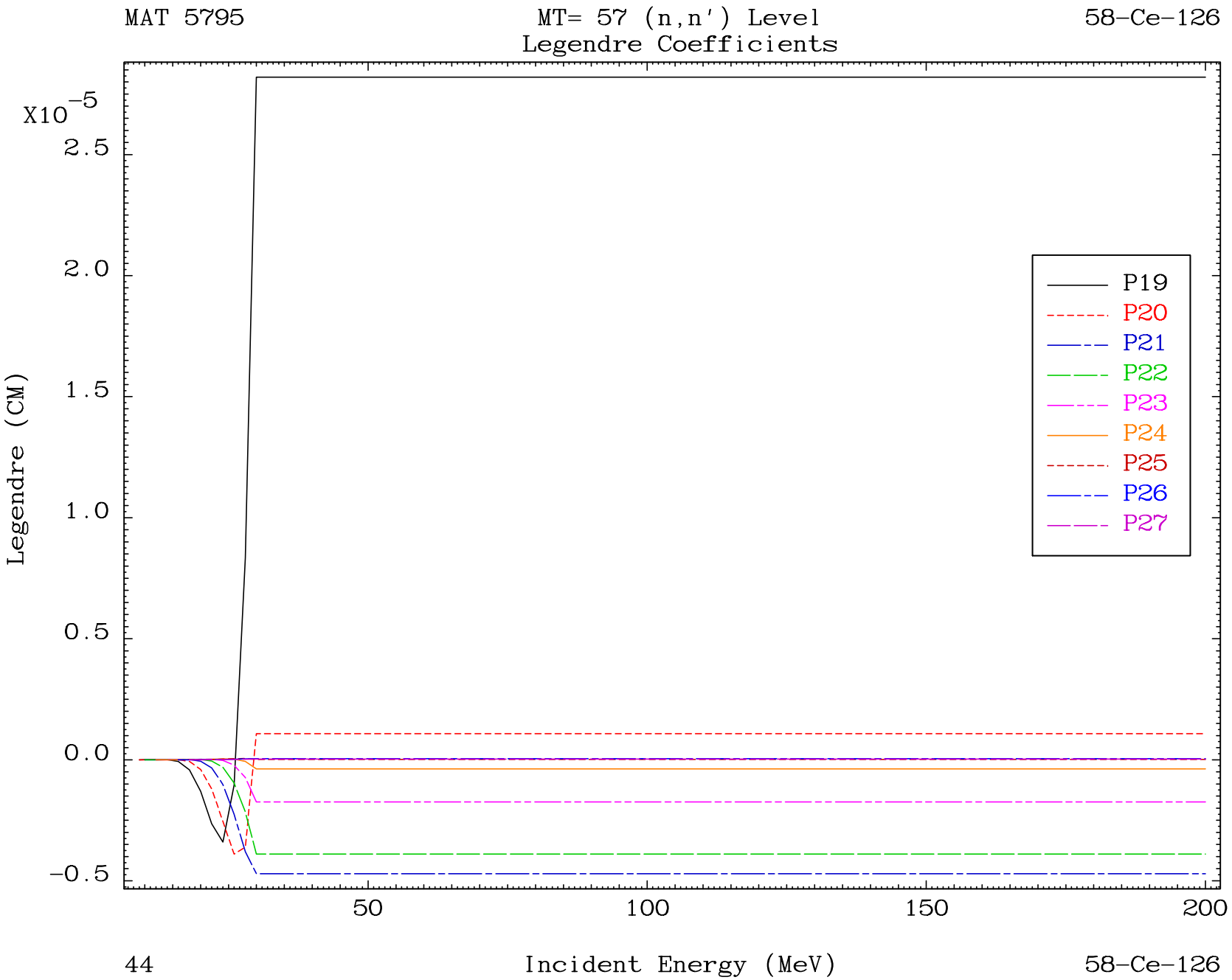

MAT 5795
MT= 56 (n,n') Level
Legendre Coefficients
58-Ce-126
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
39
Incident Energy (MeV)
58-Ce-126

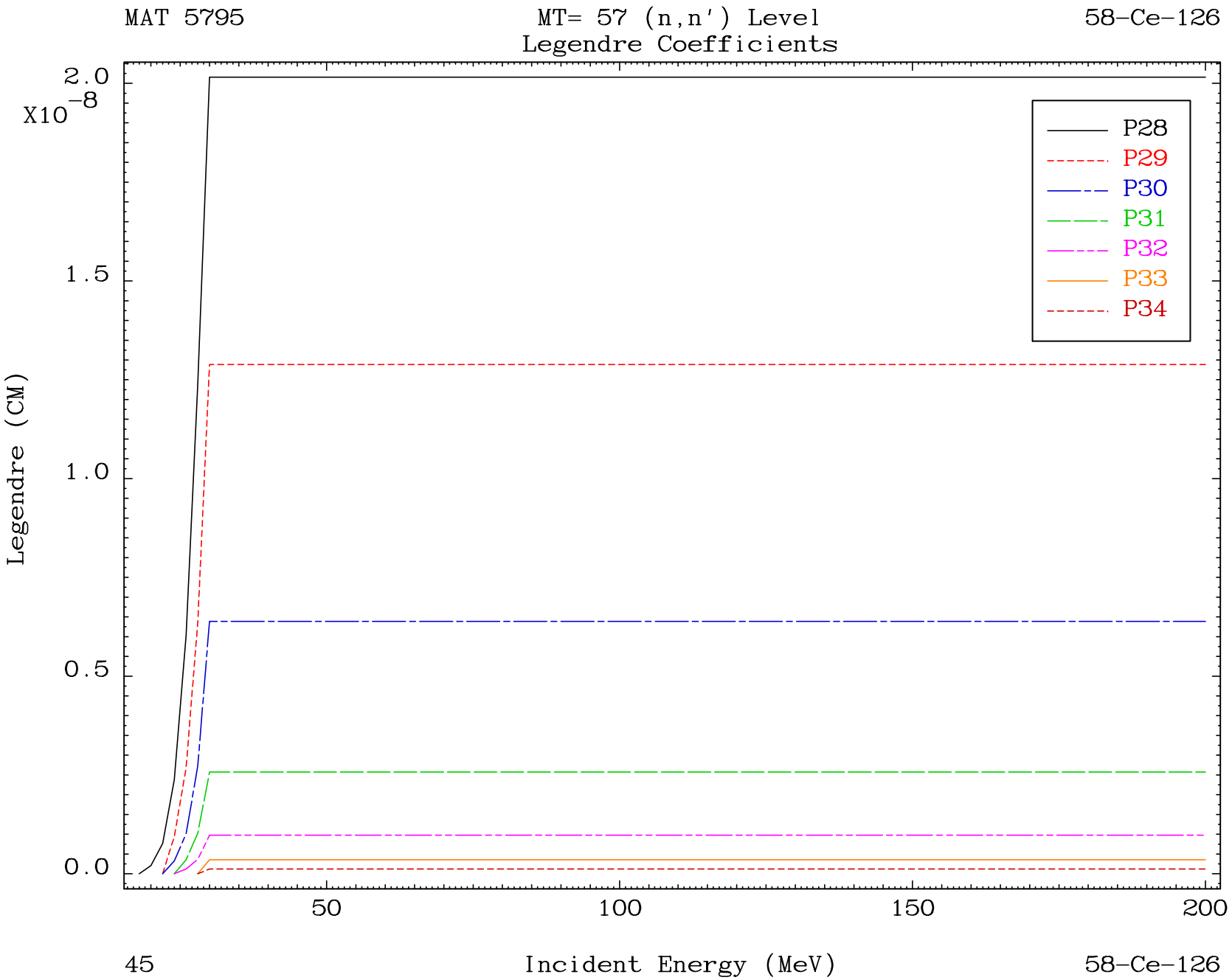

MAT 5795
MT= 56 (n,n') Level
Legendre Coefficients
58-Ce-126
X10-3
2.0
1.5
1.0
0.5
0.0
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
40
50
100
150
200
Incident Energy (MeV)
58-Ce-126

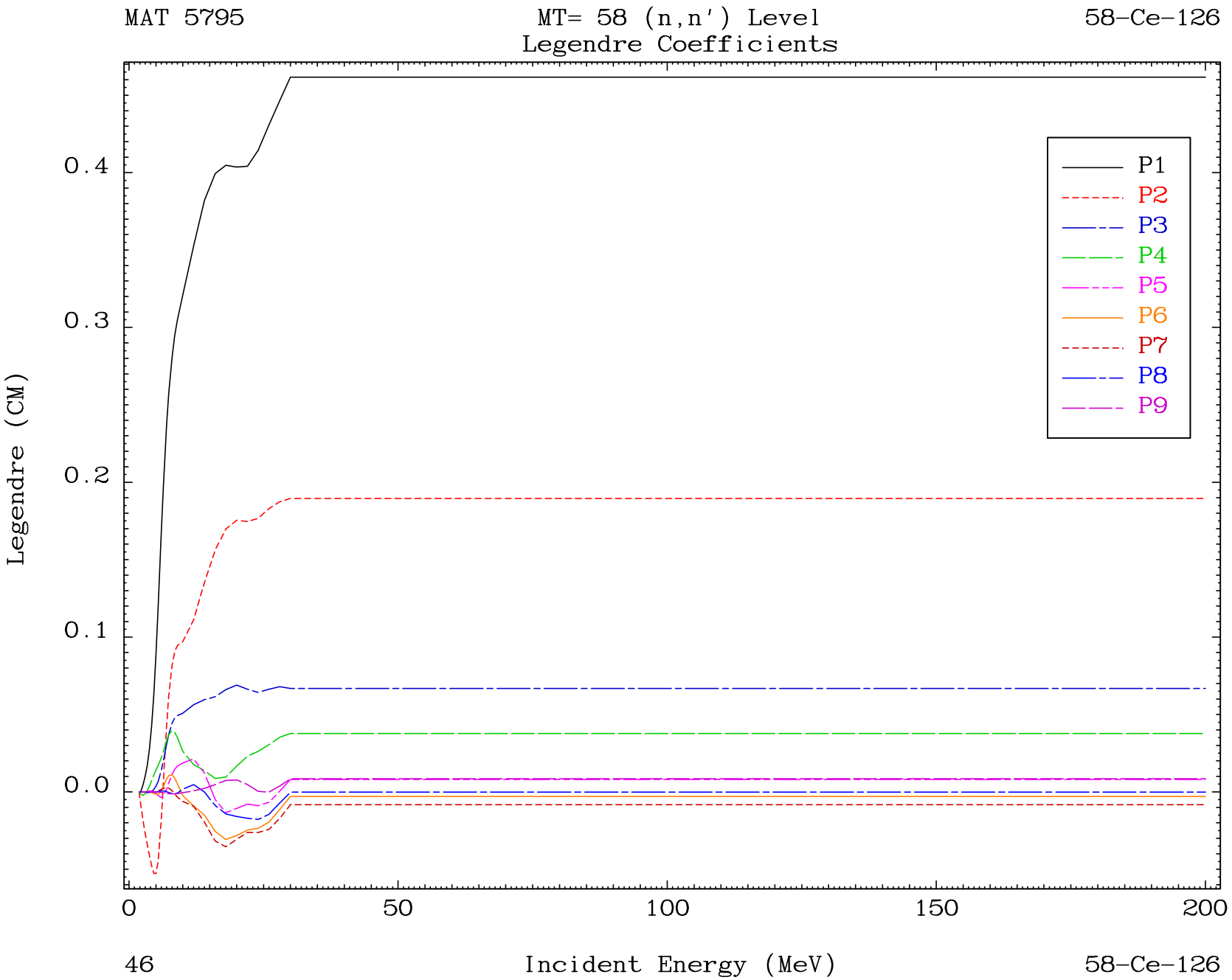

MAT 5795
MT= 56 (n,n') Level
Legendre Coefficients
58-Ce-126
X10^-6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
41
Incident Energy (MeV)
58-Ce-126

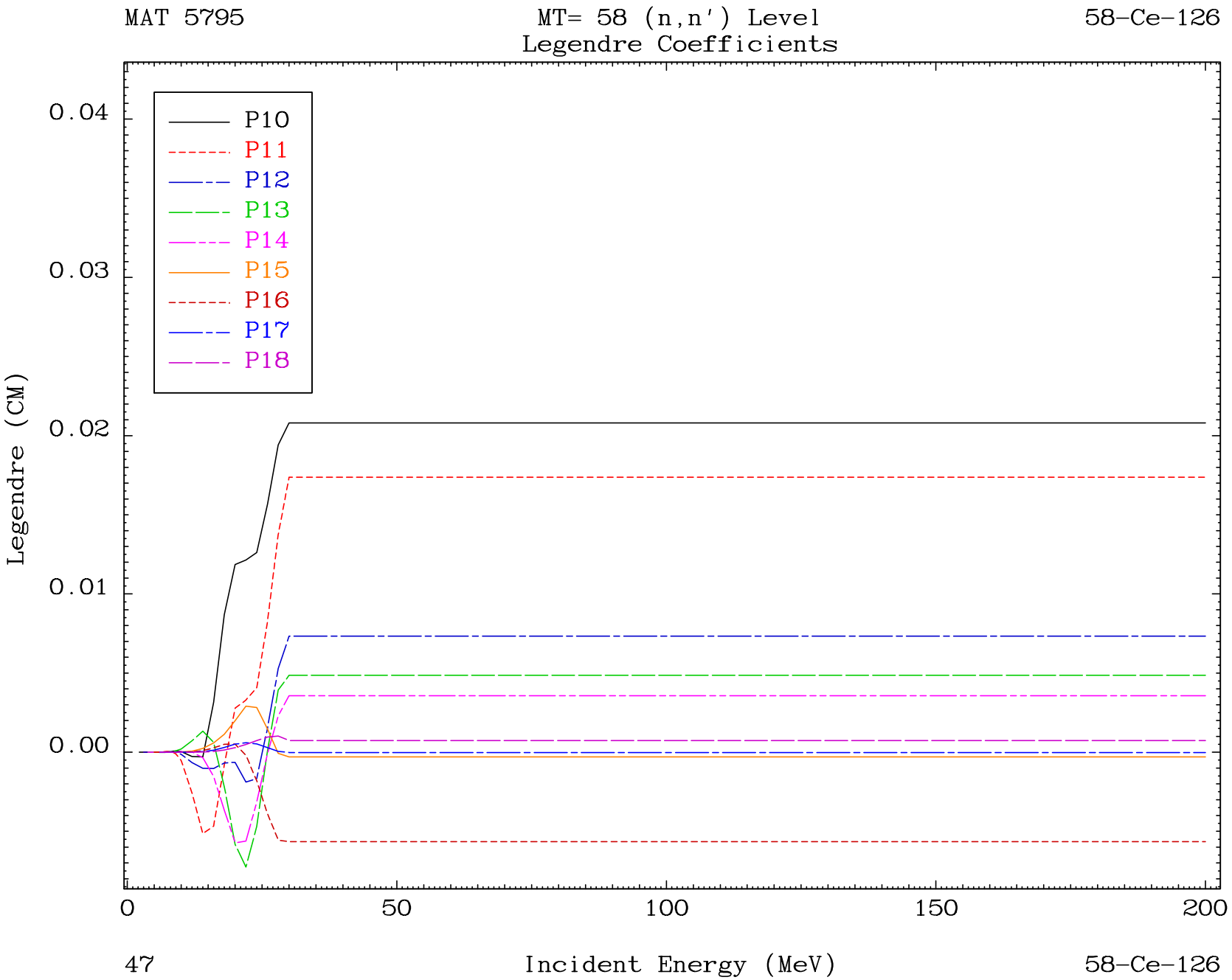

MAT 5795
MT= 57 (n,n') Level
Legendre Coefficients
58-Ce-126
Legendre (CM)
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
Incident Energy (MeV)
42
58-Ce-126
P1
P2
P3
P4
P5
P6
P7
P8
P9

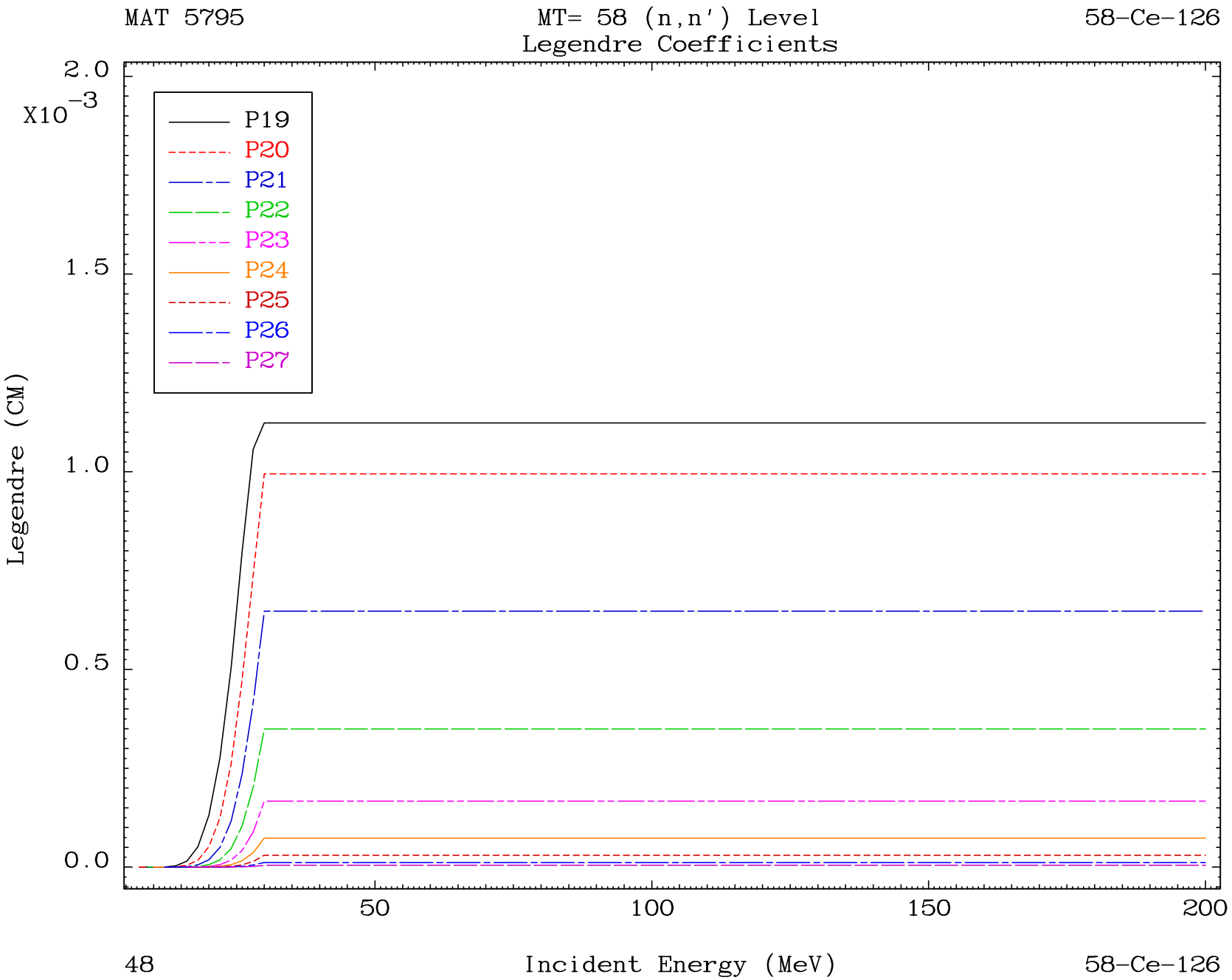

MAT 5795
MT= 57 (n,n') Level
Legendre Coefficients
58-Ce-126
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.010
0.008
0.006
0.004
0.002
0.000
-0.002
Legendre (CM)
0
50
100
150
200
43
Incident Energy (MeV)
58-Ce-126

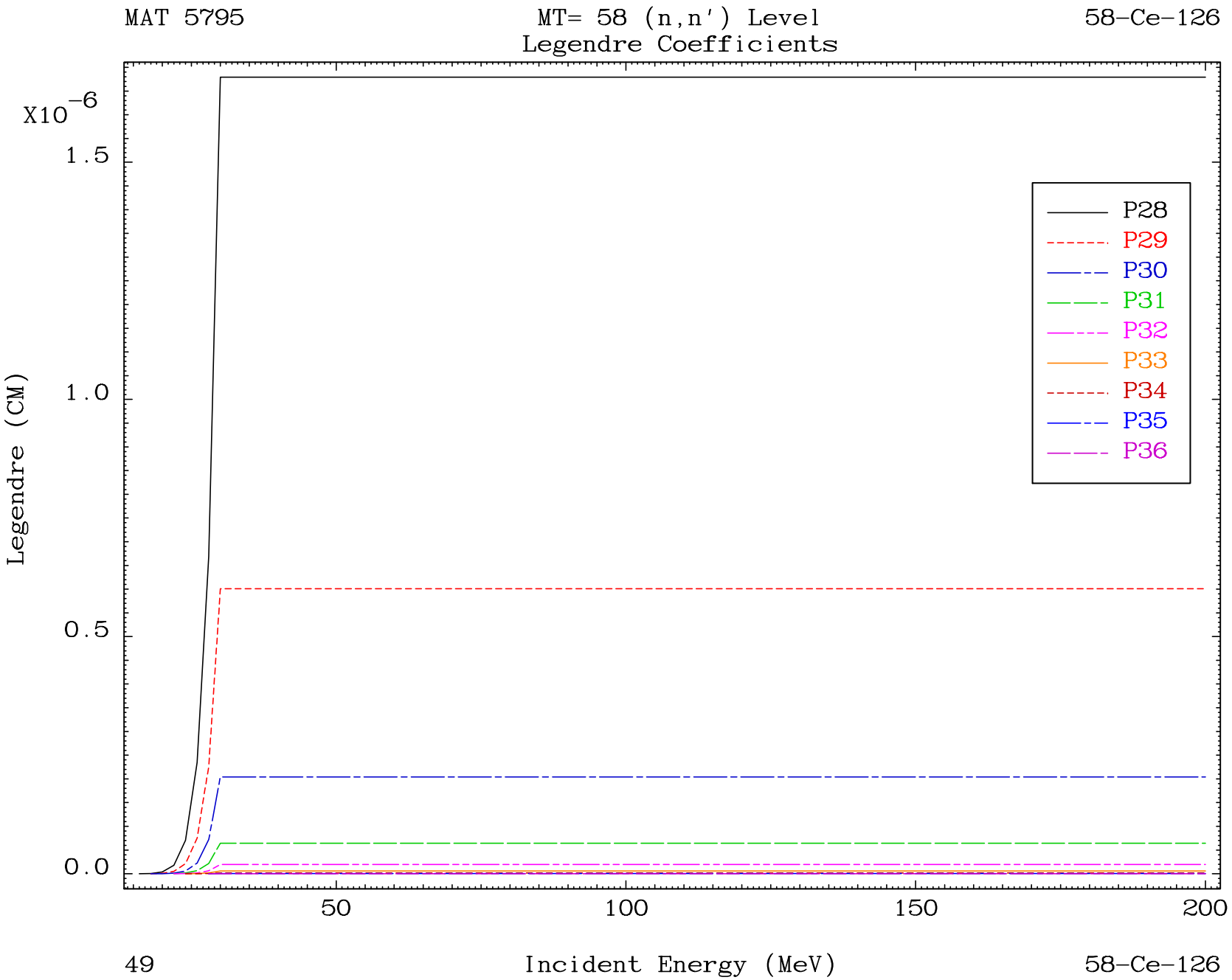

MAT 5795
MT= 57 (n,n') Level
Legendre Coefficients
58-Ce-126
X10^-5
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
P19
P20
P21
P22
P23
P24
P25
P26
P27
44
58-Ce-126

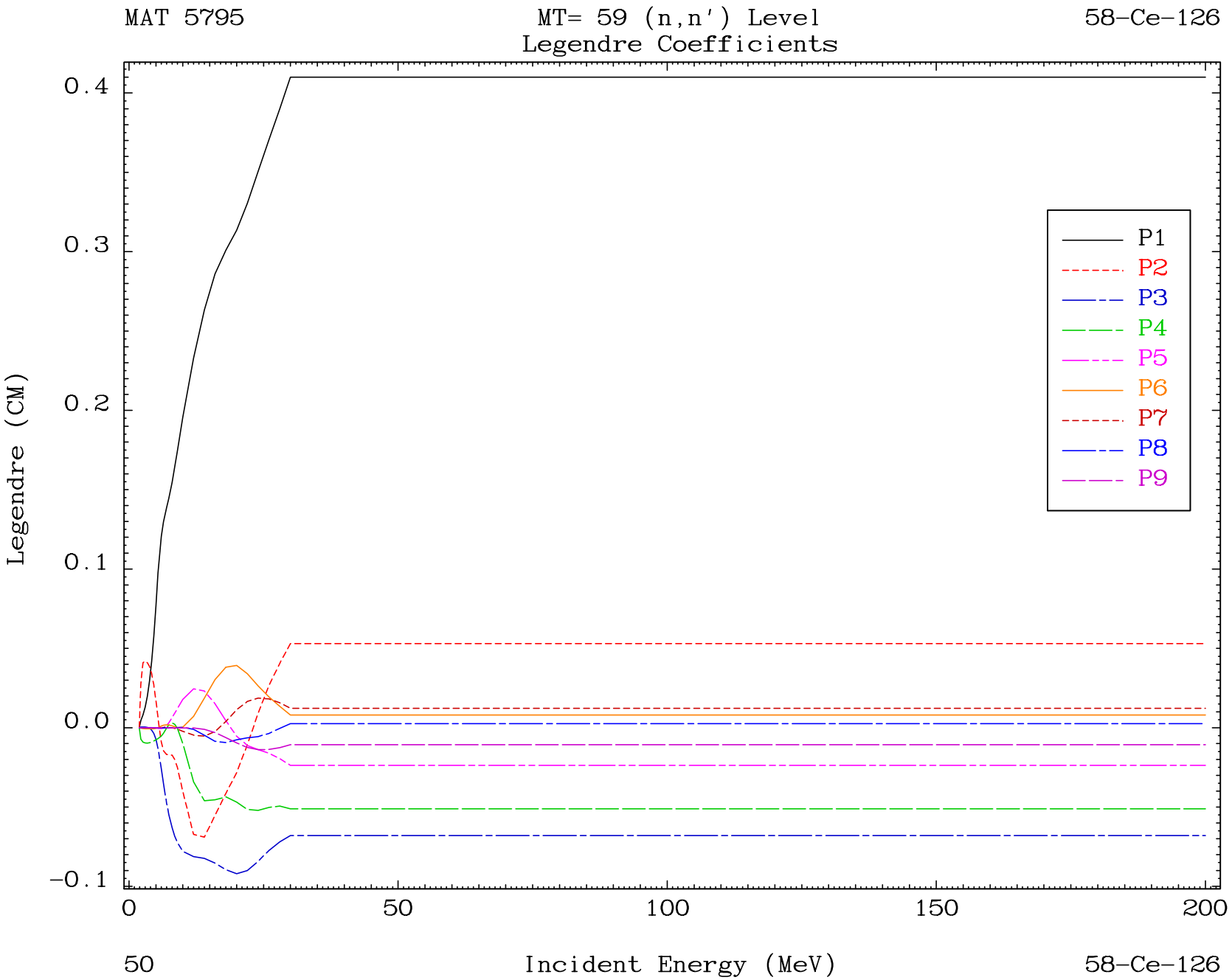

MAT 5795
MT= 57 (n,n') Level
Legendre Coefficients
58-Ce-126
X10 -8
2.0
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
45
Incident Energy (MeV)
58-Ce-126

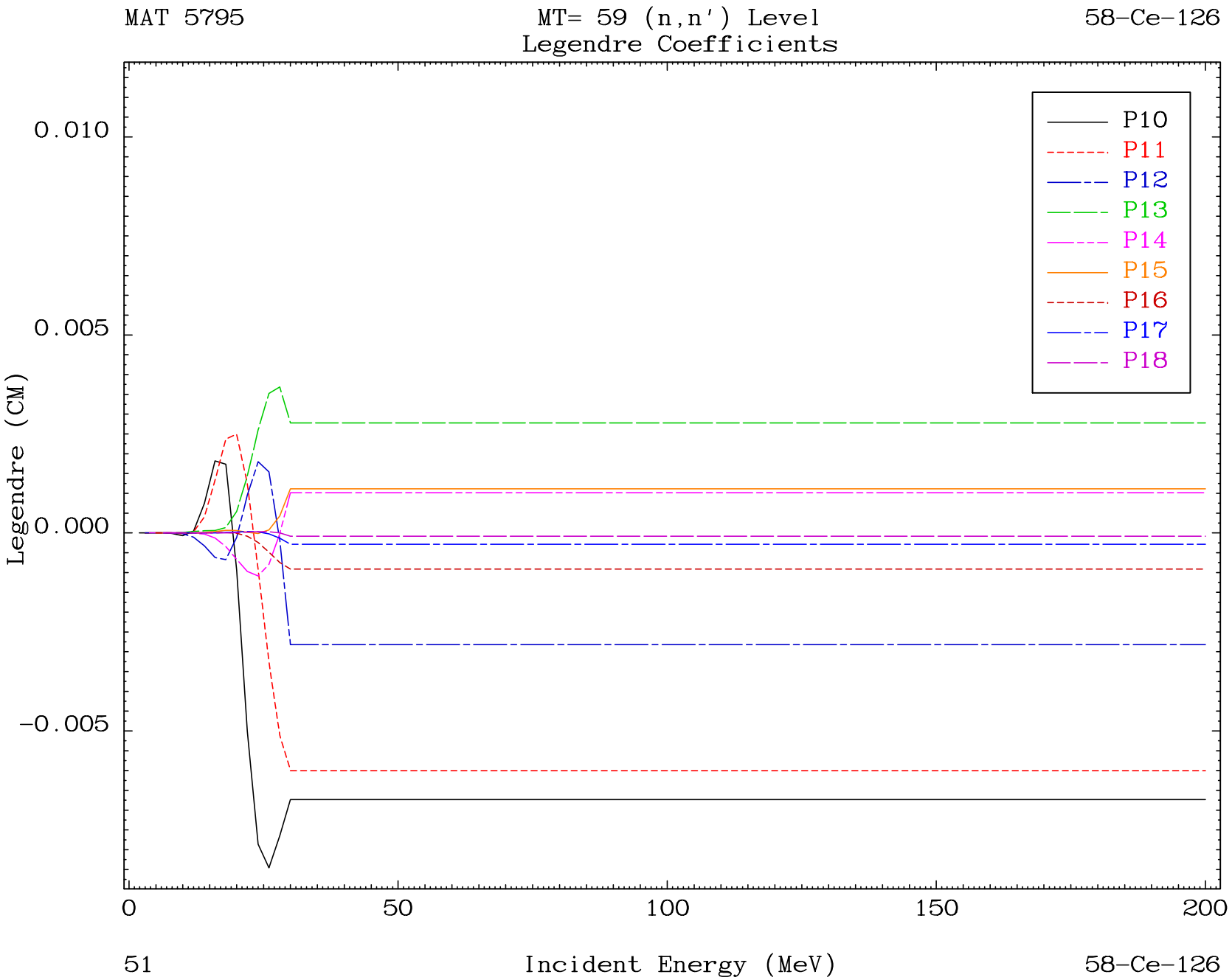

MAT 5795
MT= 58 (n,n') Level
Legendre Coefficients
58-Ce-126
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
46
Incident Energy (MeV)
58-Ce-126

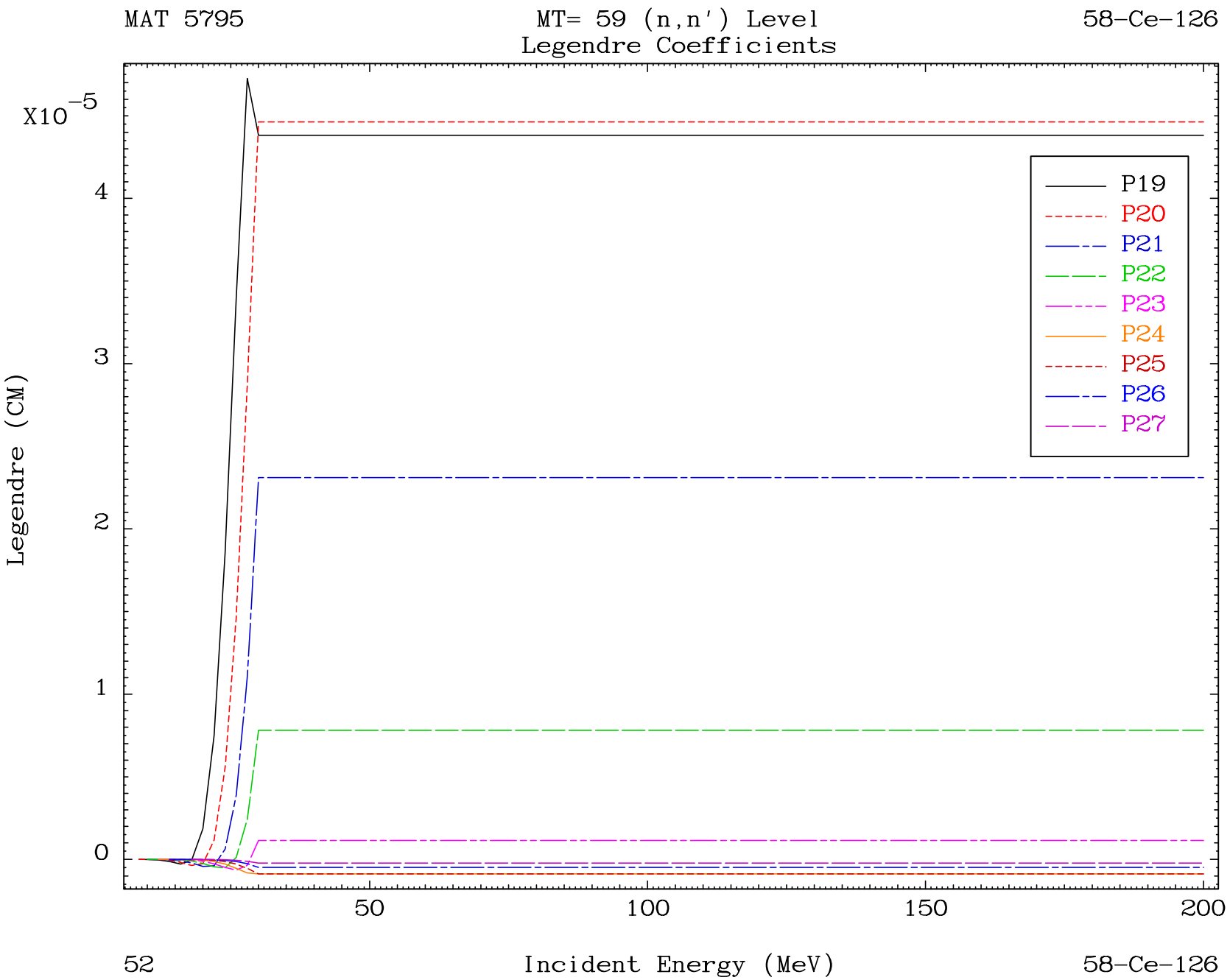

MAT 5795
MT= 58 (n,n') Level
Legendre Coefficients
58-Ce-126
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
47
Incident Energy (MeV)
58-Ce-126

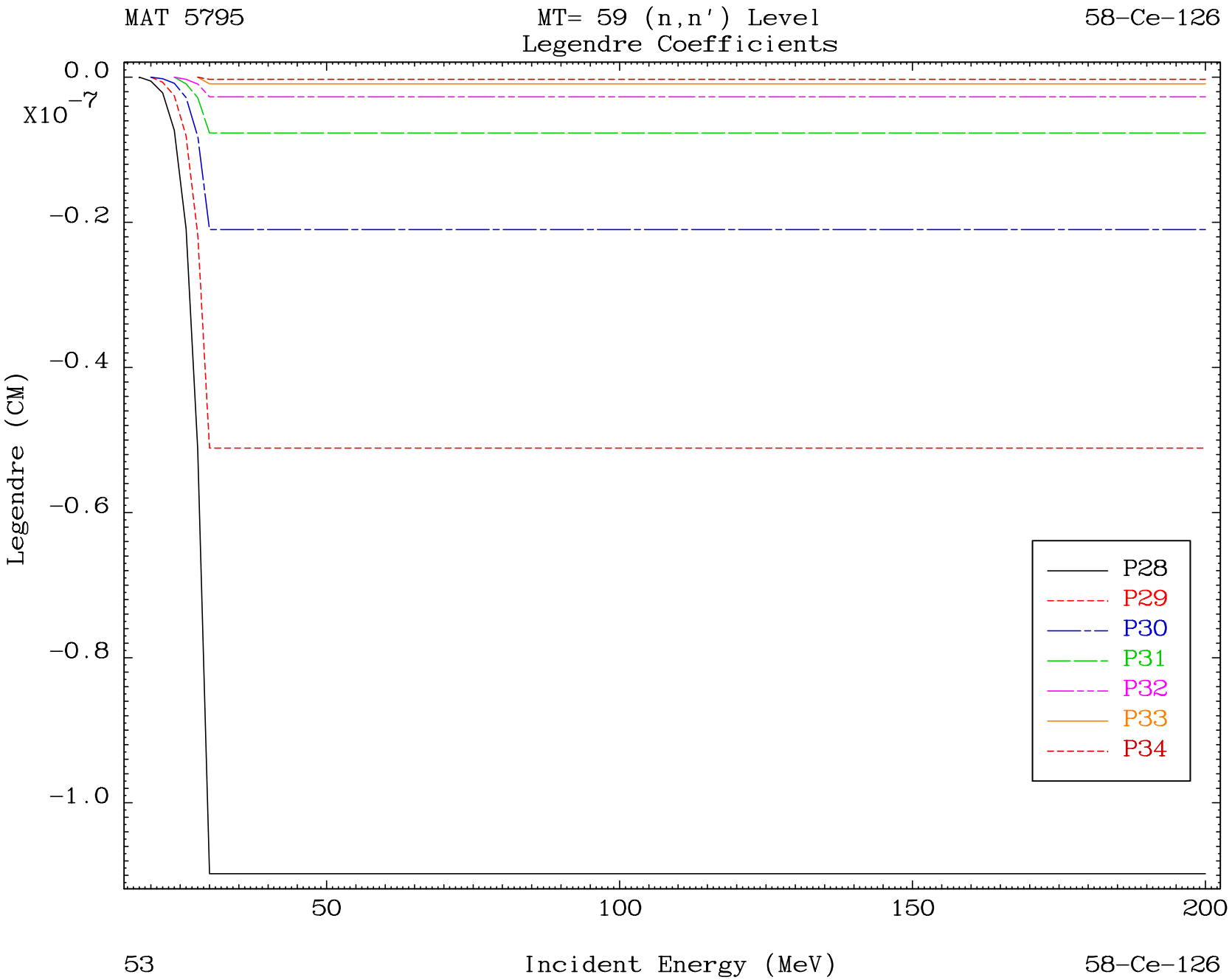

MAT 5795
MT= 58 (n,n') Level
Legendre Coefficients
58-Ce-126
X10-3
2.0
1.5
1.0
0.5
0.0
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
50
100
150
200
48
Incident Energy (MeV)
58-Ce-126

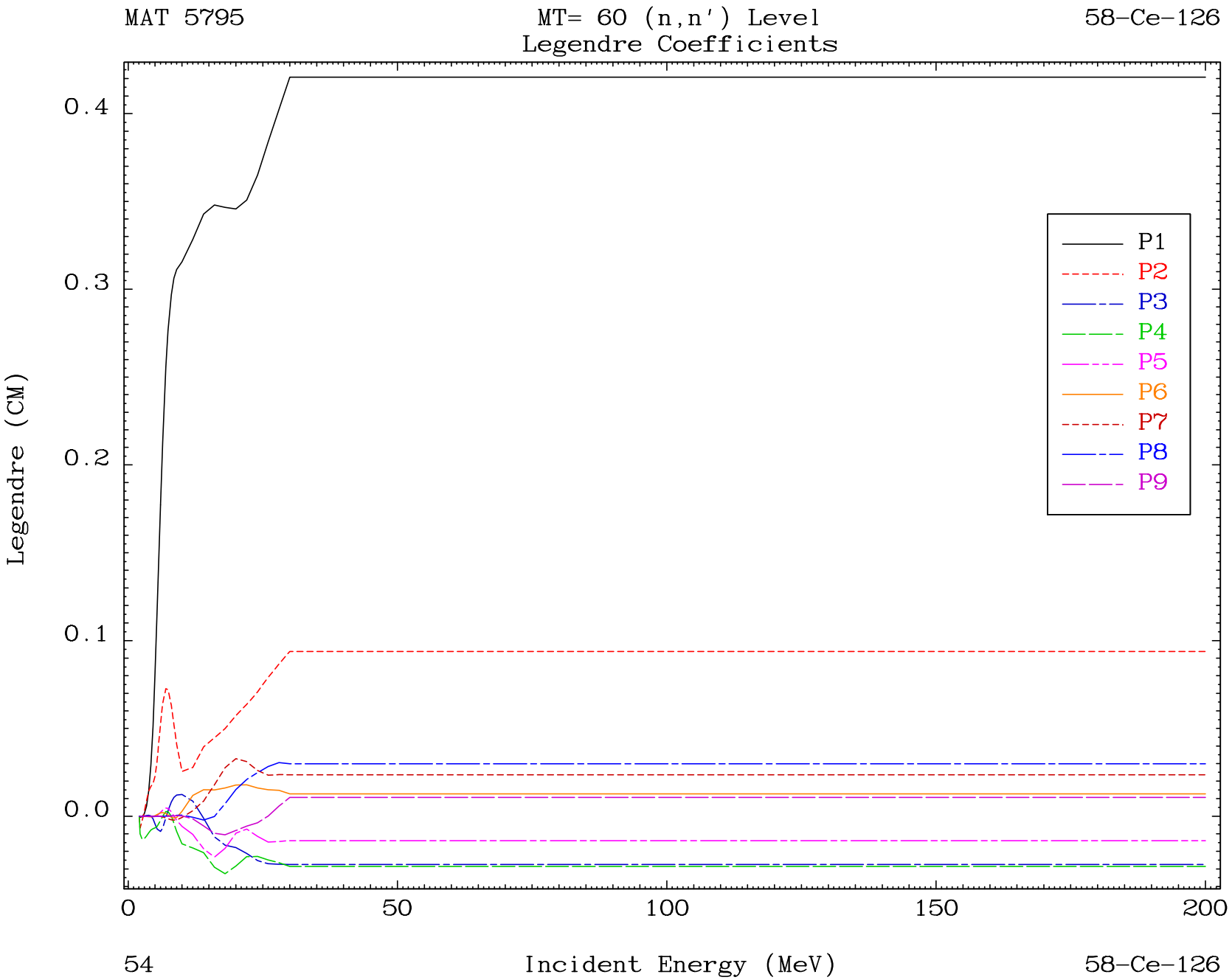

MAT 5795
MT= 58 (n,n') Level
Legendre Coefficients
58-Ce-126
X10 −6
1.5
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
49
Incident Energy (MeV)
58-Ce-126

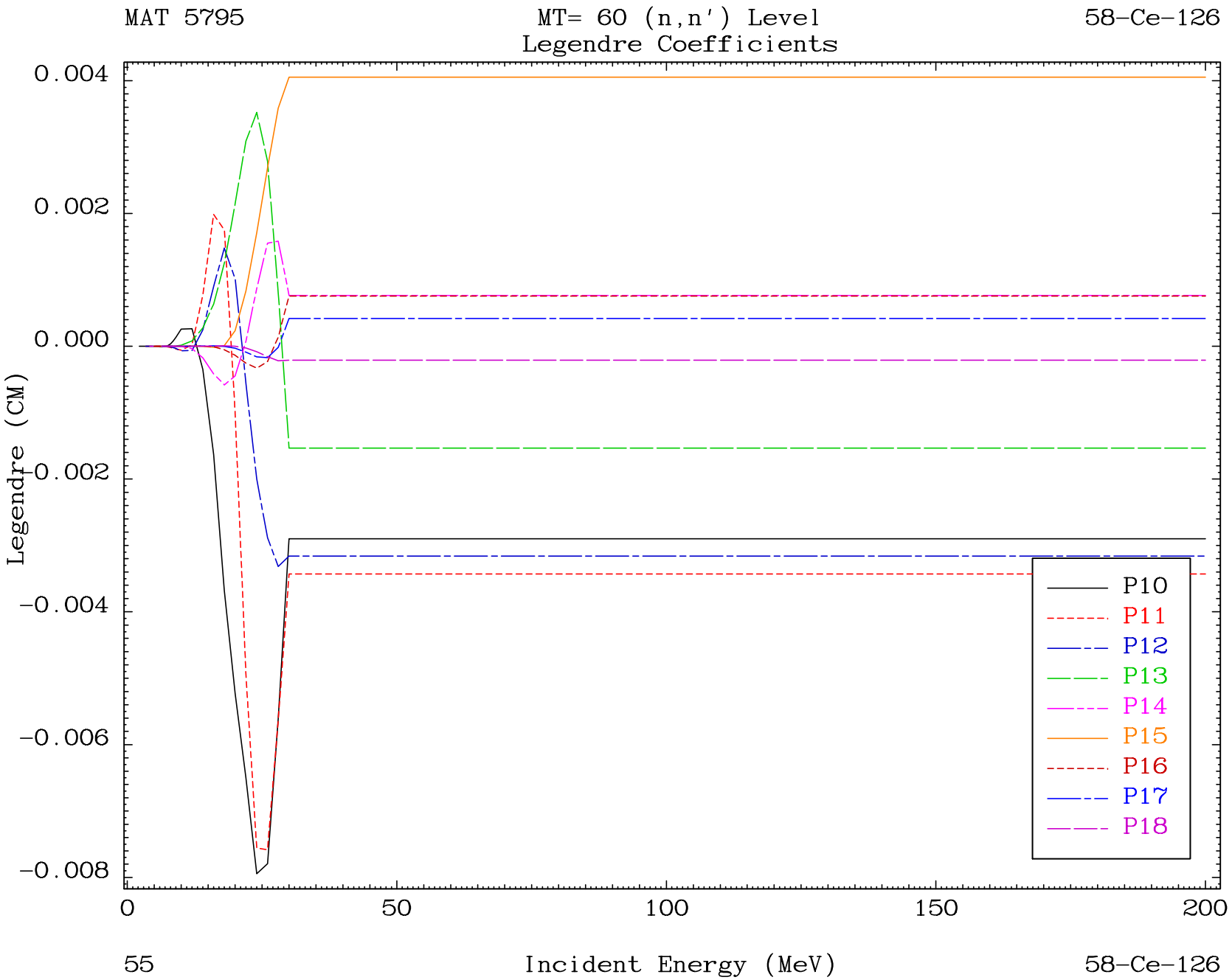

MAT 5795
MT= 59 (n,n') Level
Legendre Coefficients
58-Ce-126
0.4
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
50
Incident Energy (MeV)
58-Ce-126

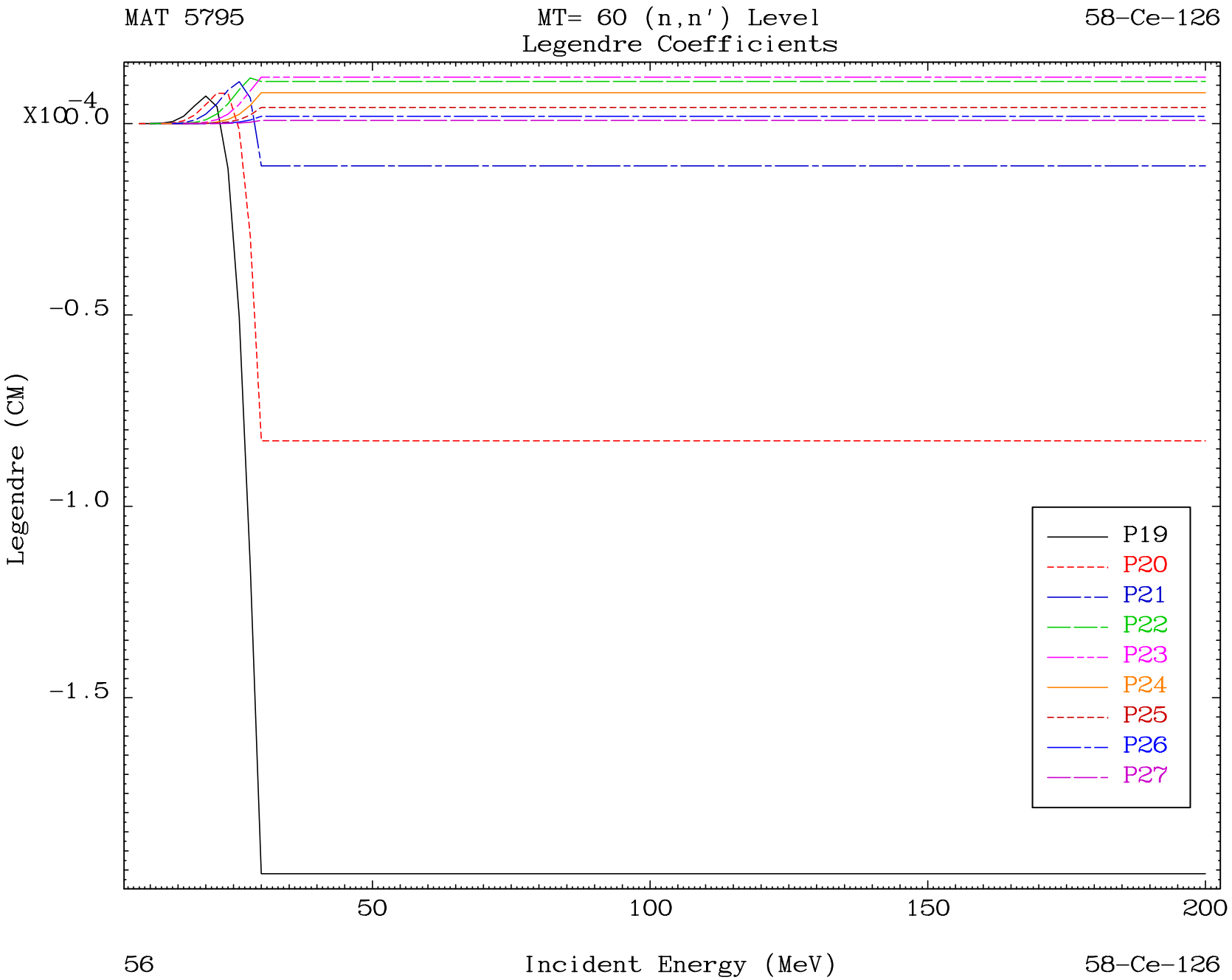

MAT 5795
MT= 59 (n,n') Level
Legendre Coefficients
58-Ce-126
0.010
0.005
0.000
-0.005
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
51
Incident Energy (MeV)
58-Ce-126

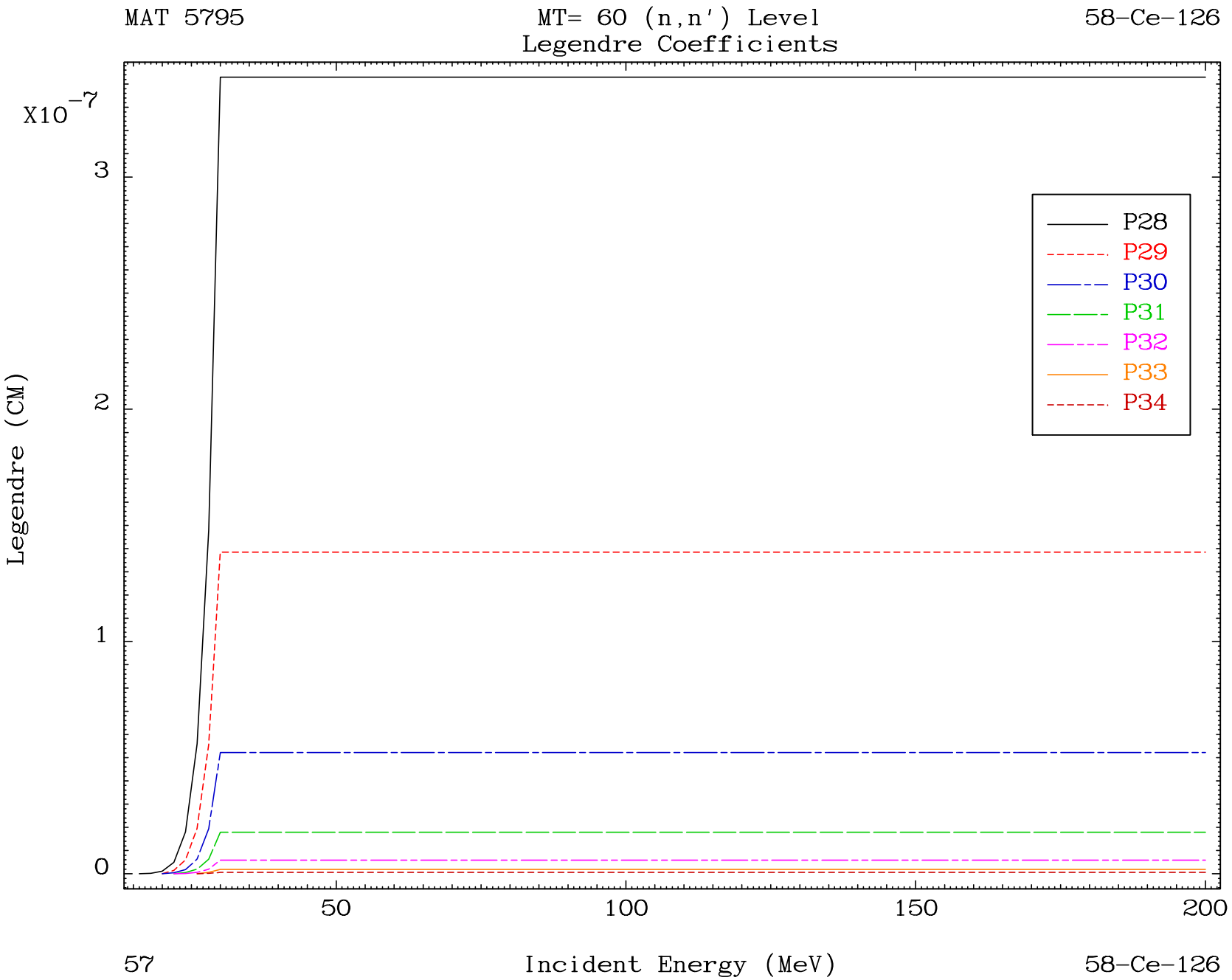

MAT 5795
MT= 59 (n,n') Level
Legendre Coefficients
58-Ce-126
X10^{-5}
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
52
Incident Energy (MeV)
58-Ce-126

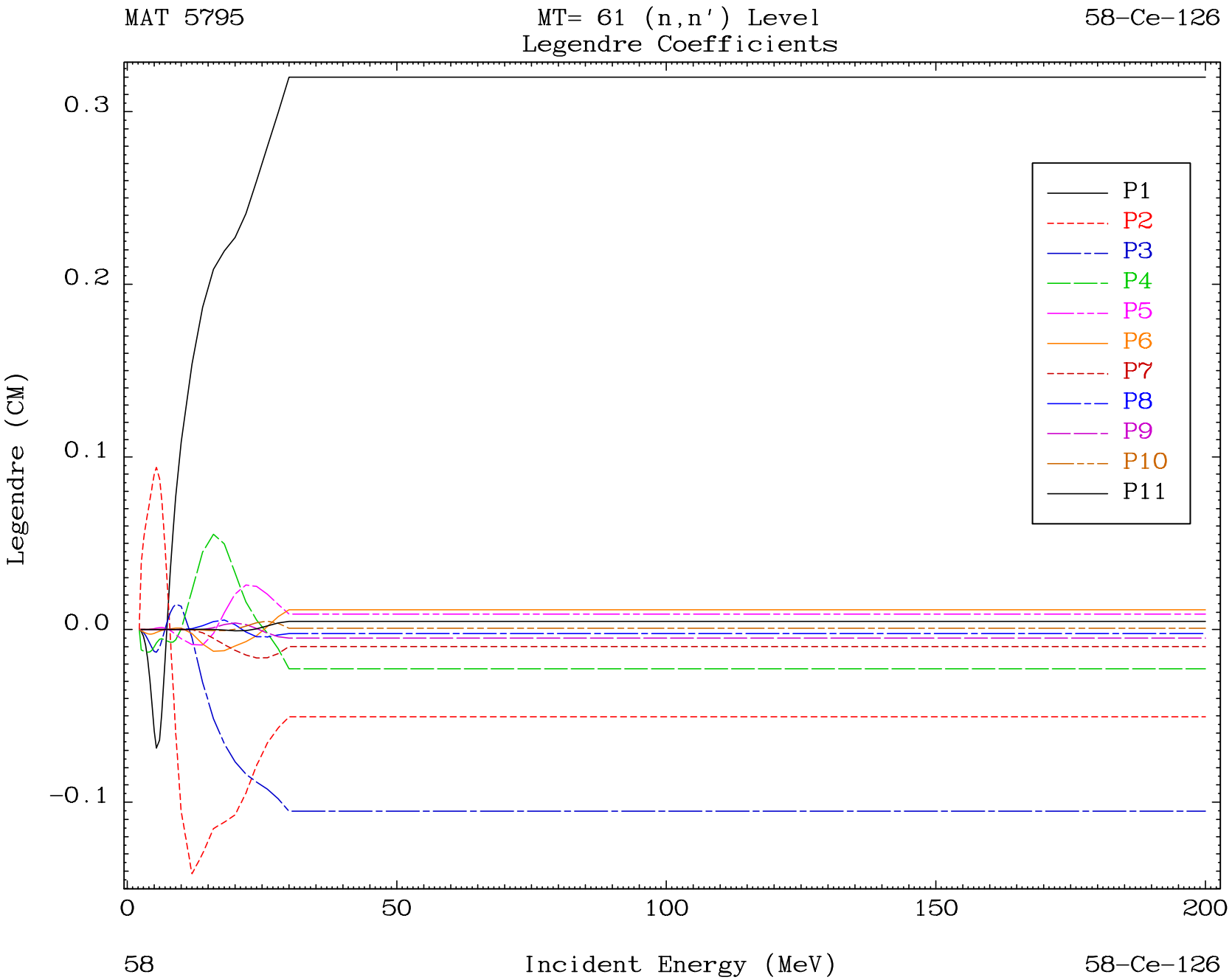

MAT 5795
MT= 59 (n,n') Level
Legendre Coefficients
58-Ce-126
0.0
X10-7
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
53
Incident Energy (MeV)
58-Ce-126
P28
P29
P30
P31
P32
P33
P34

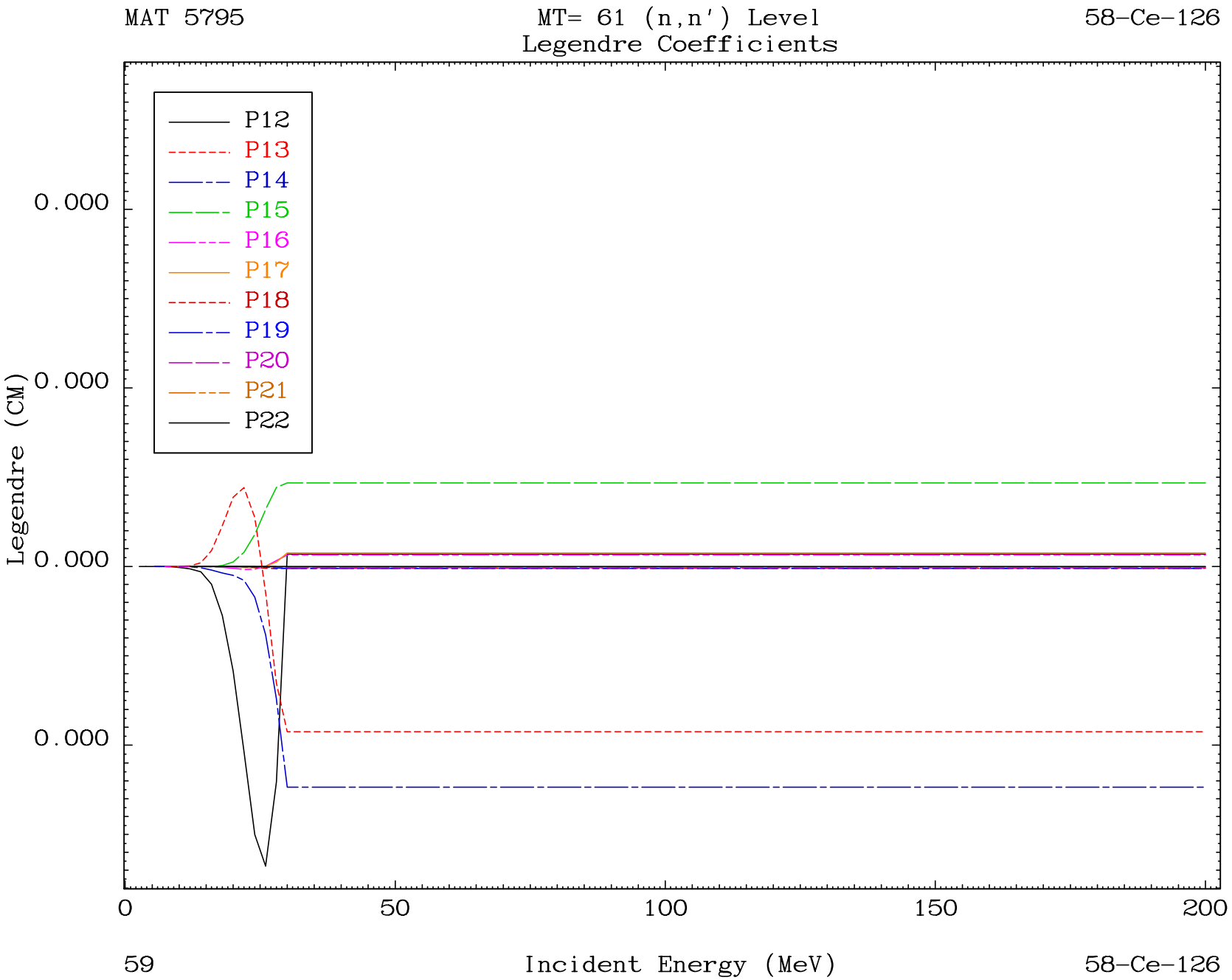

MAT 5795
MT= 60 (n,n') Level
Legendre Coefficients
58-Ce-126
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
54
Incident Energy (MeV)
58-Ce-126
P1
P2
P3
P4
P5
P6
P7
P8
P9

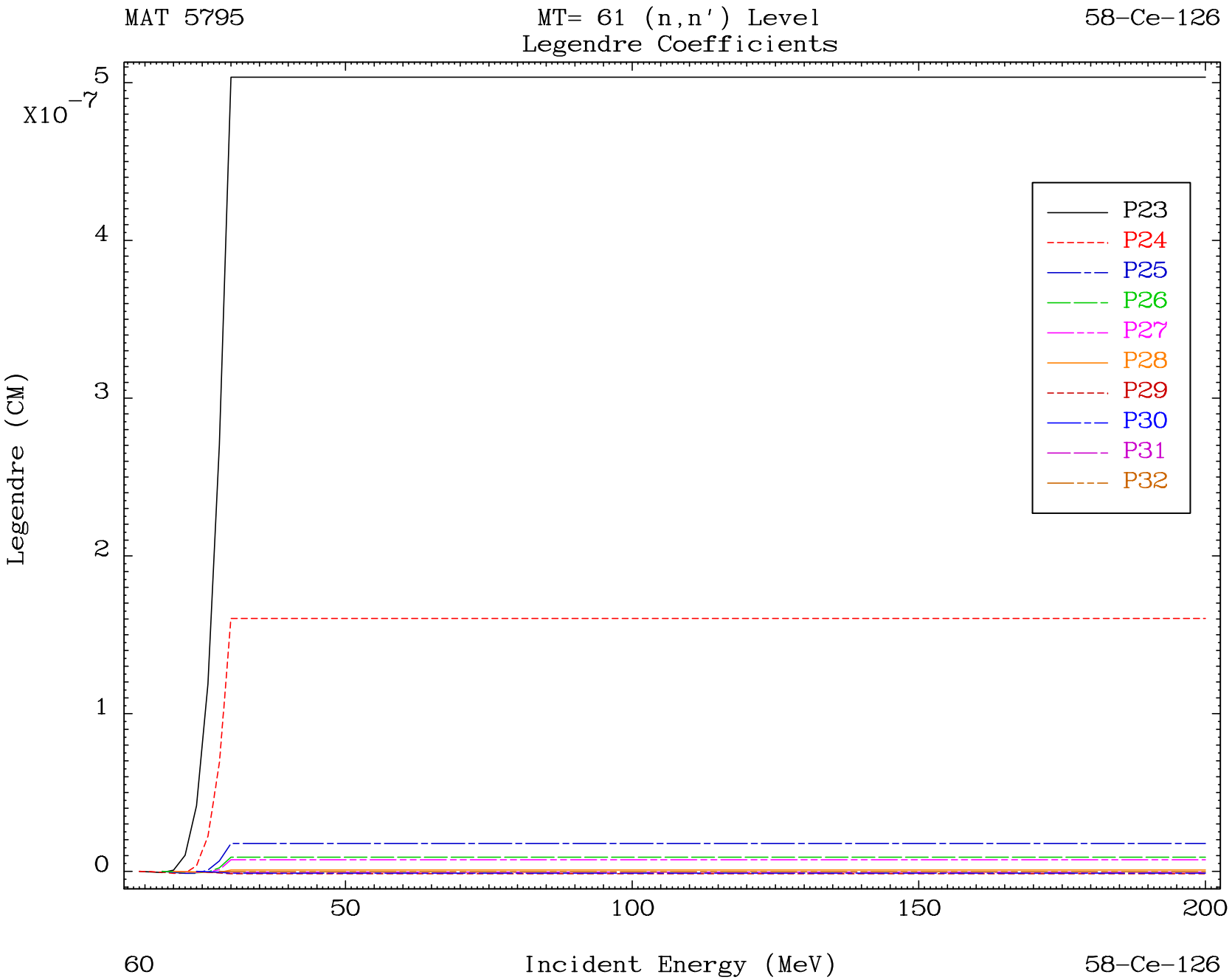

MAT 5795
MT= 60 (n,n') Level
Legendre Coefficients
58-Ce-126
0.004
0.002
0.000
-0.002
-0.004
-0.006
-0.008
Legendre (CM)
0
50
100
150
200
55
Incident Energy (MeV)
58-Ce-126
P10
P11
P12
P13
P14
P15
P16
P17
P18

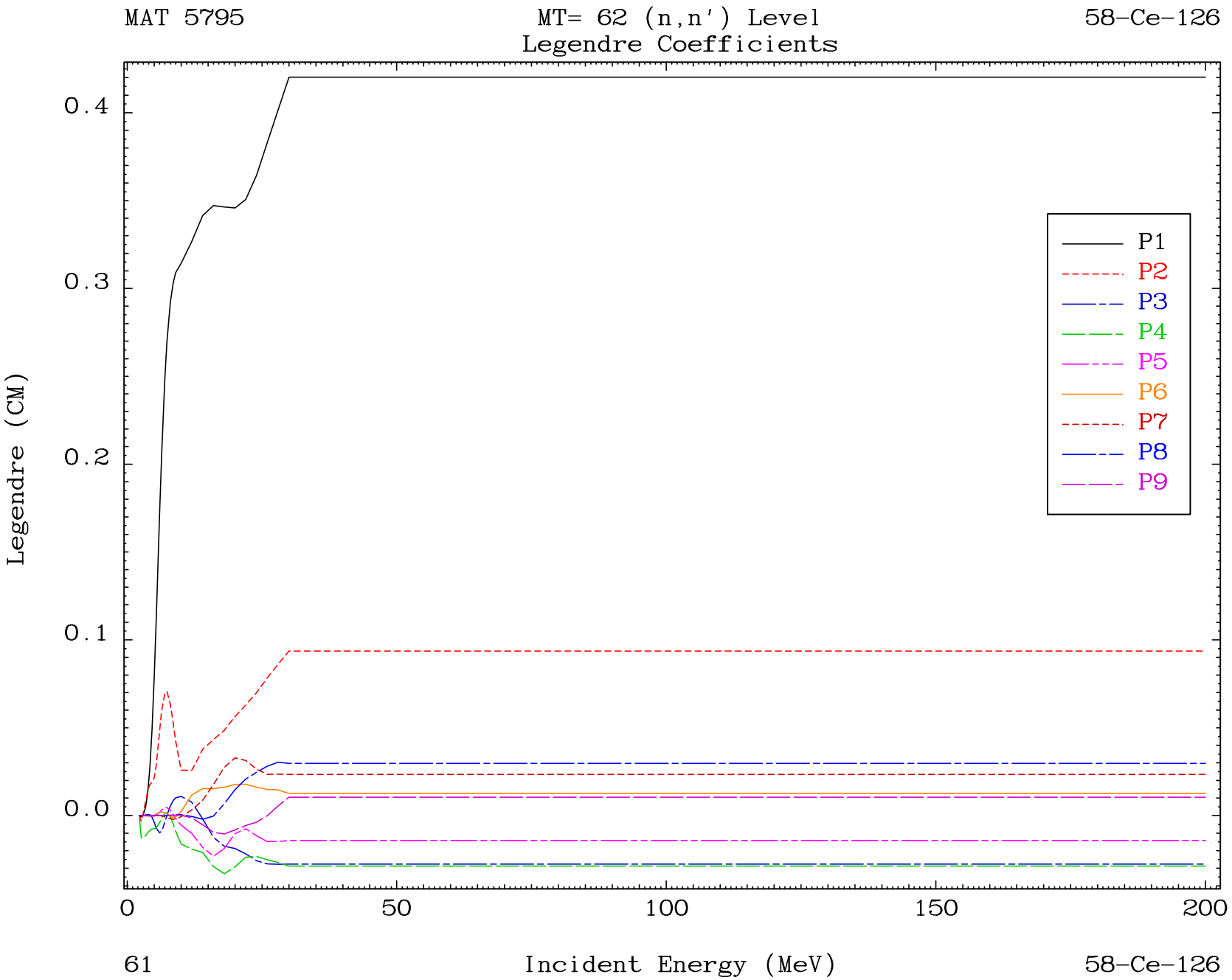

MAT 5795
MT= 60 (n,n') Level
Legendre Coefficients
58-Ce-126
X10^-4
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
56
Incident Energy (MeV)
58-Ce-126
P19
P20
P21
P22
P23
P24
P25
P26
P27

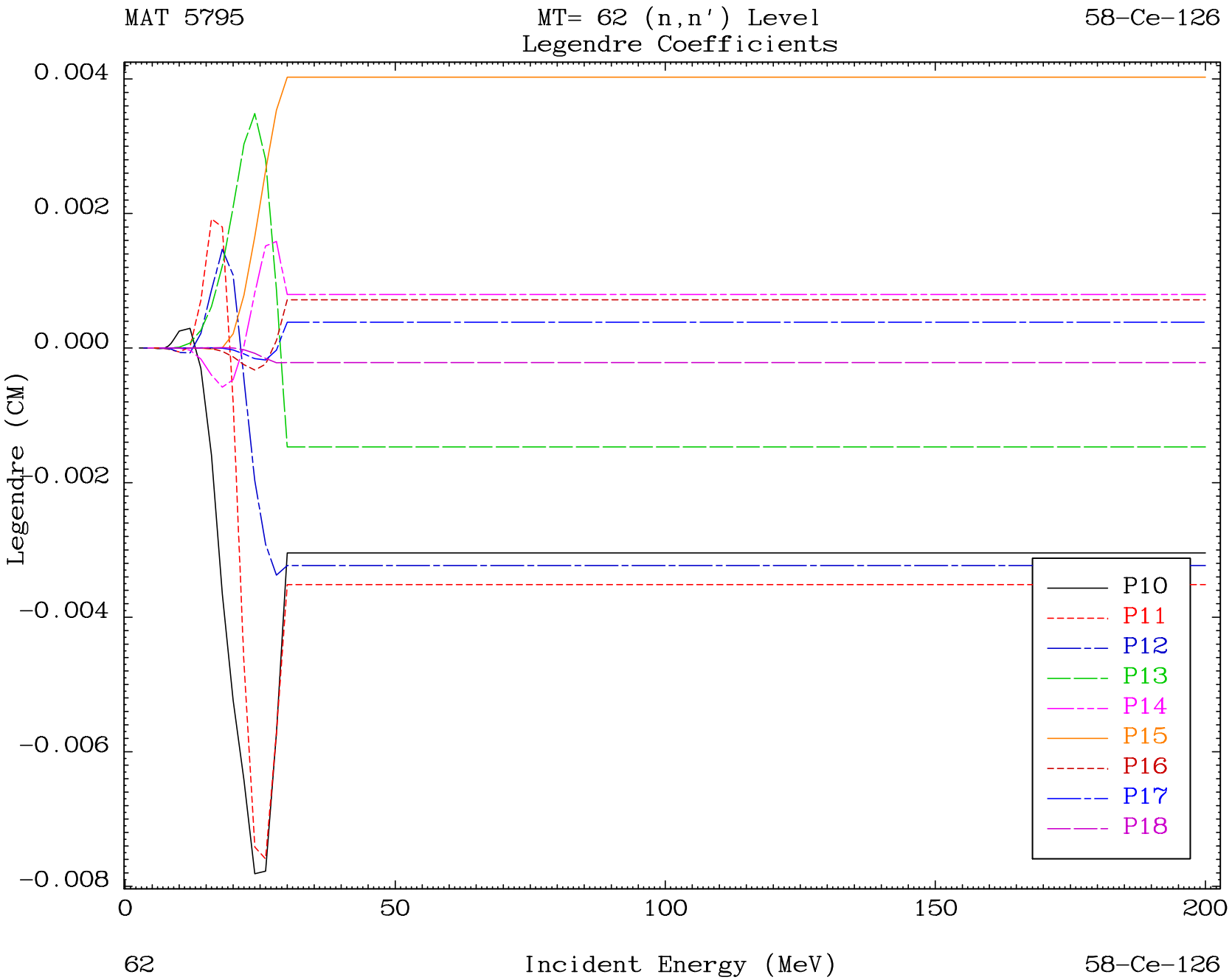

MAT 5795
MT= 60 (n,n') Level
Legendre Coefficients
58-Ce-126
X10-7
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
57
Incident Energy (MeV)
58-Ce-126

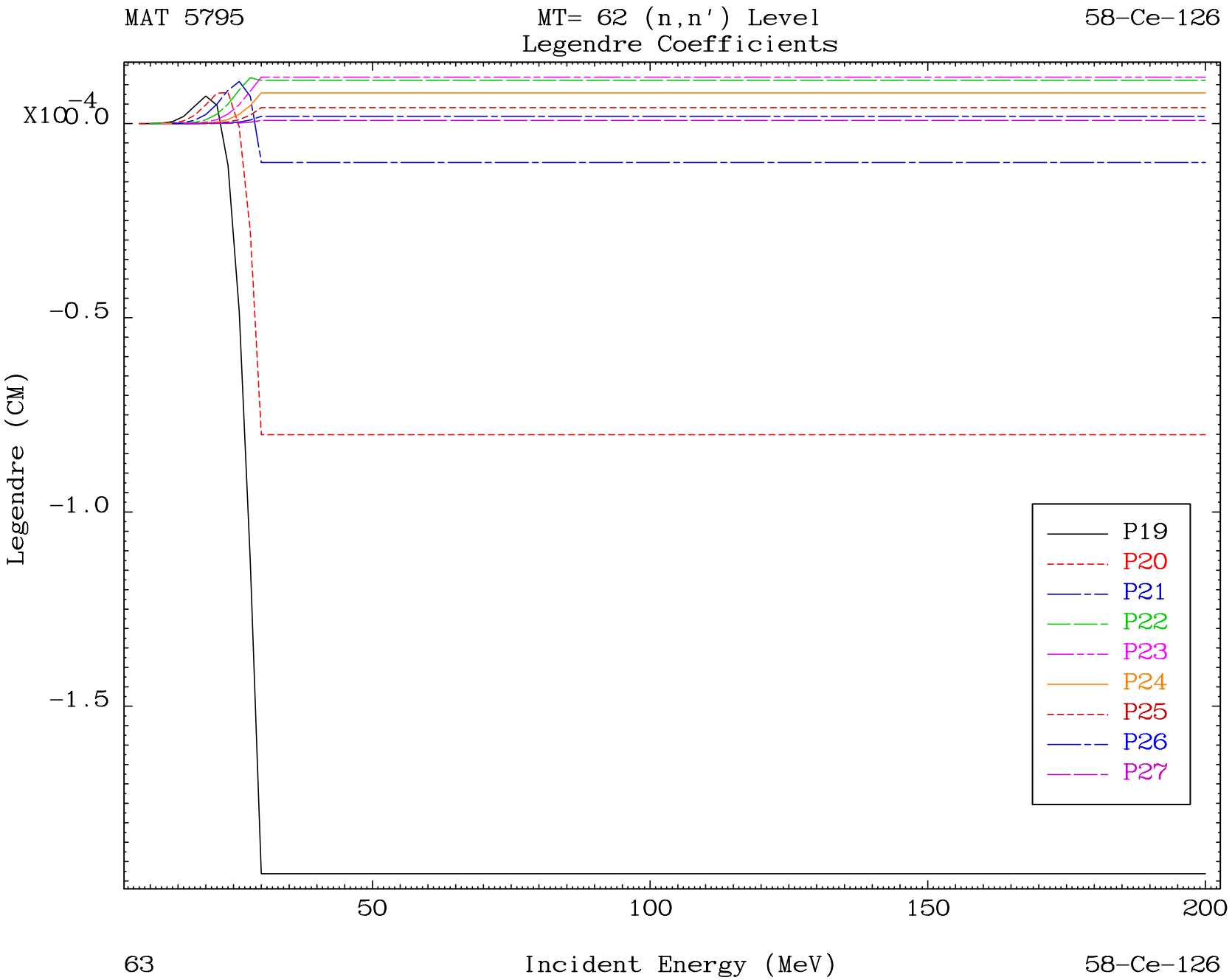

MAT 5795
MT= 61 (n,n') Level
Legendre Coefficients
58-Ce-126
0.3
0.2
0.1
0.0
-0.1
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
0
50
100
150
200
58
Incident Energy (MeV)
58-Ce-126

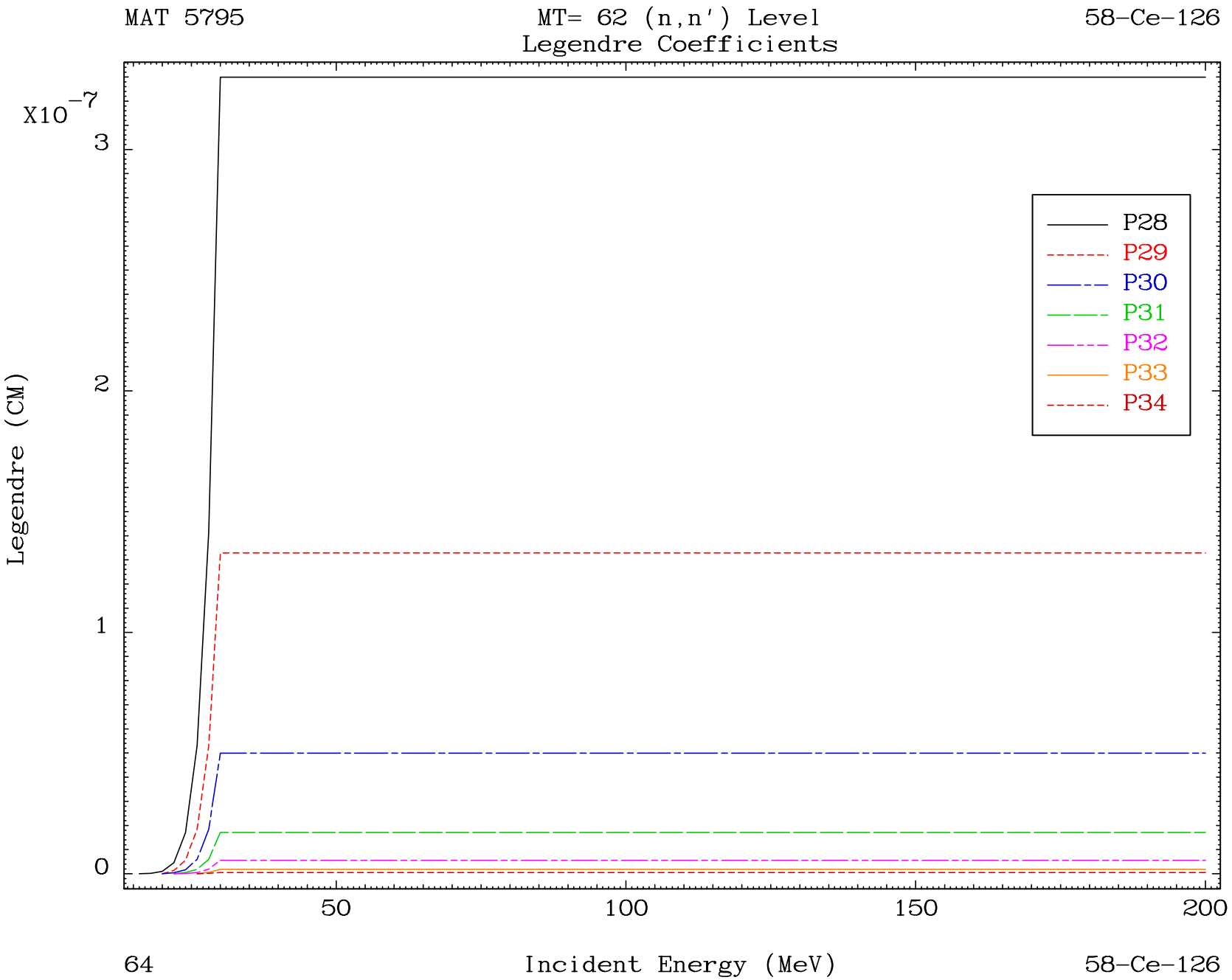

MAT 5795
MT= 61 (n,n') Level
Legendre Coefficients
58-Ce-126
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
0.000
0.000
0.000
Legendre (CM)
0
50
100
150
200
59
Incident Energy (MeV)
58-Ce-126

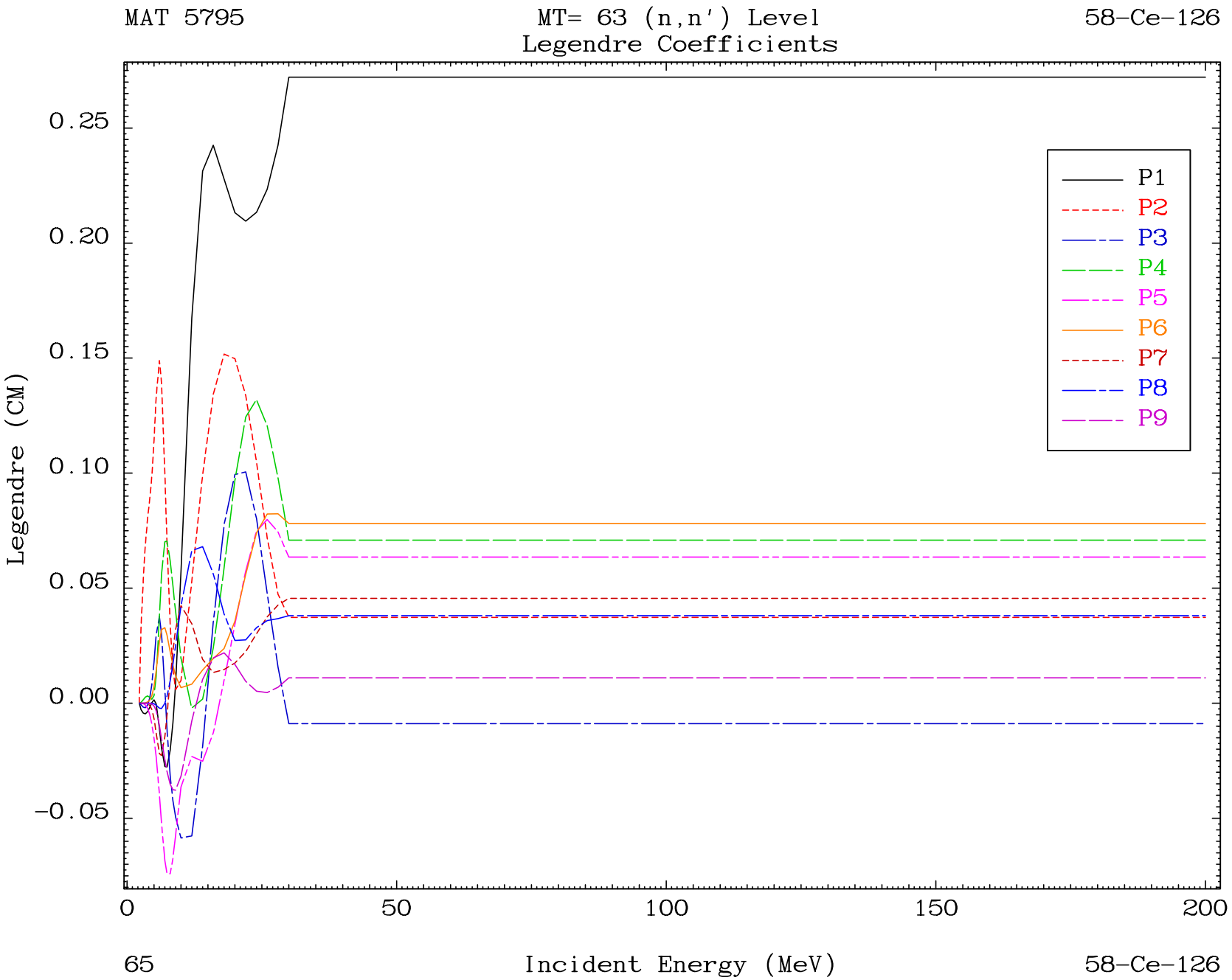

MAT 5795
MT= 61 (n,n') Level
Legendre Coefficients
58-Ce-126
X10-7
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
60
Incident Energy (MeV)
58-Ce-126
P23
P24
P25
P26
P27
P28
P29
P30
P31
P32

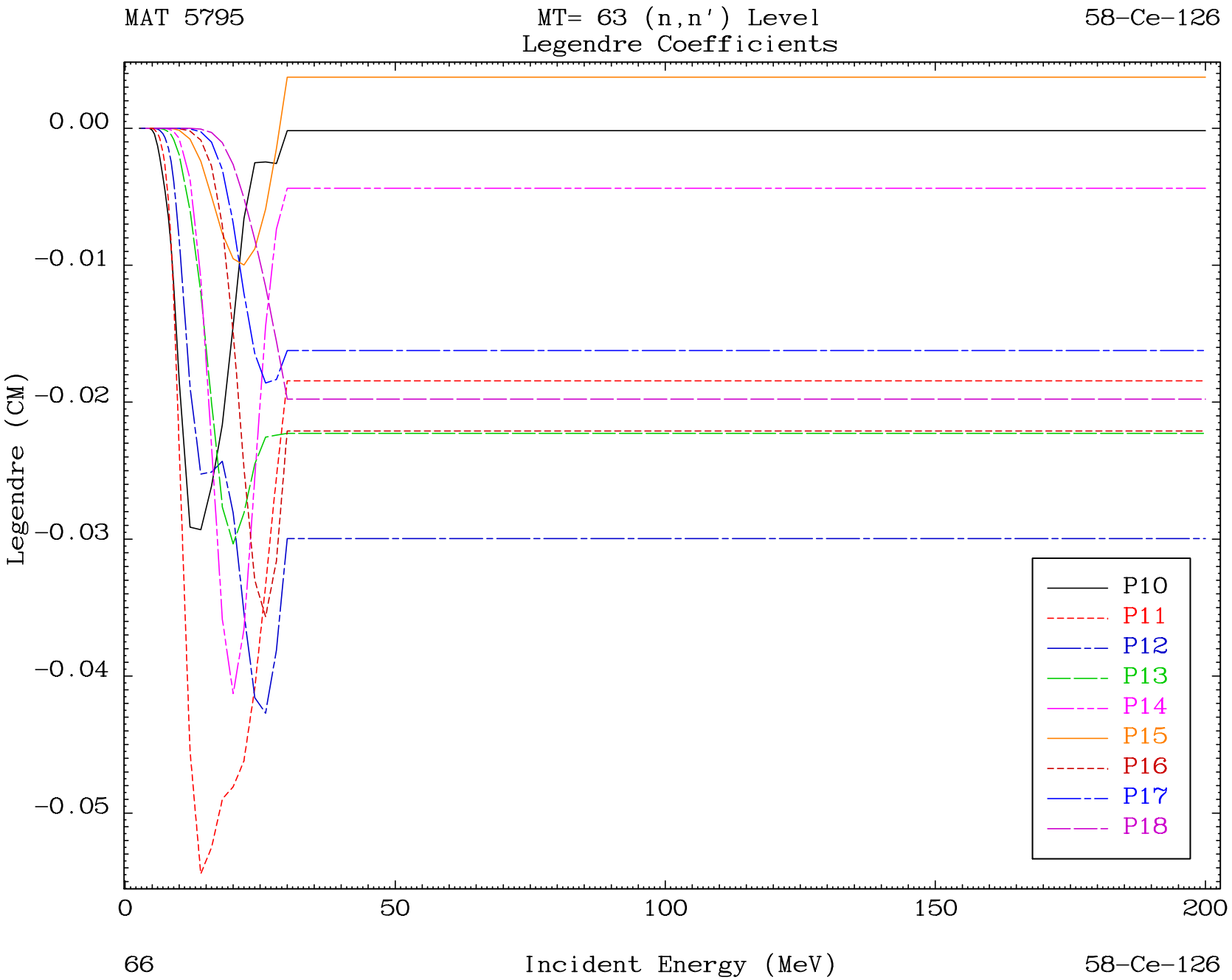

MAT 5795
MT= 62 (n,n') Level
Legendre Coefficients
58-Ce-126
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
61
Incident Energy (MeV)
58-Ce-126
P1
P2
P3
P4
P5
P6
P7
P8
P9

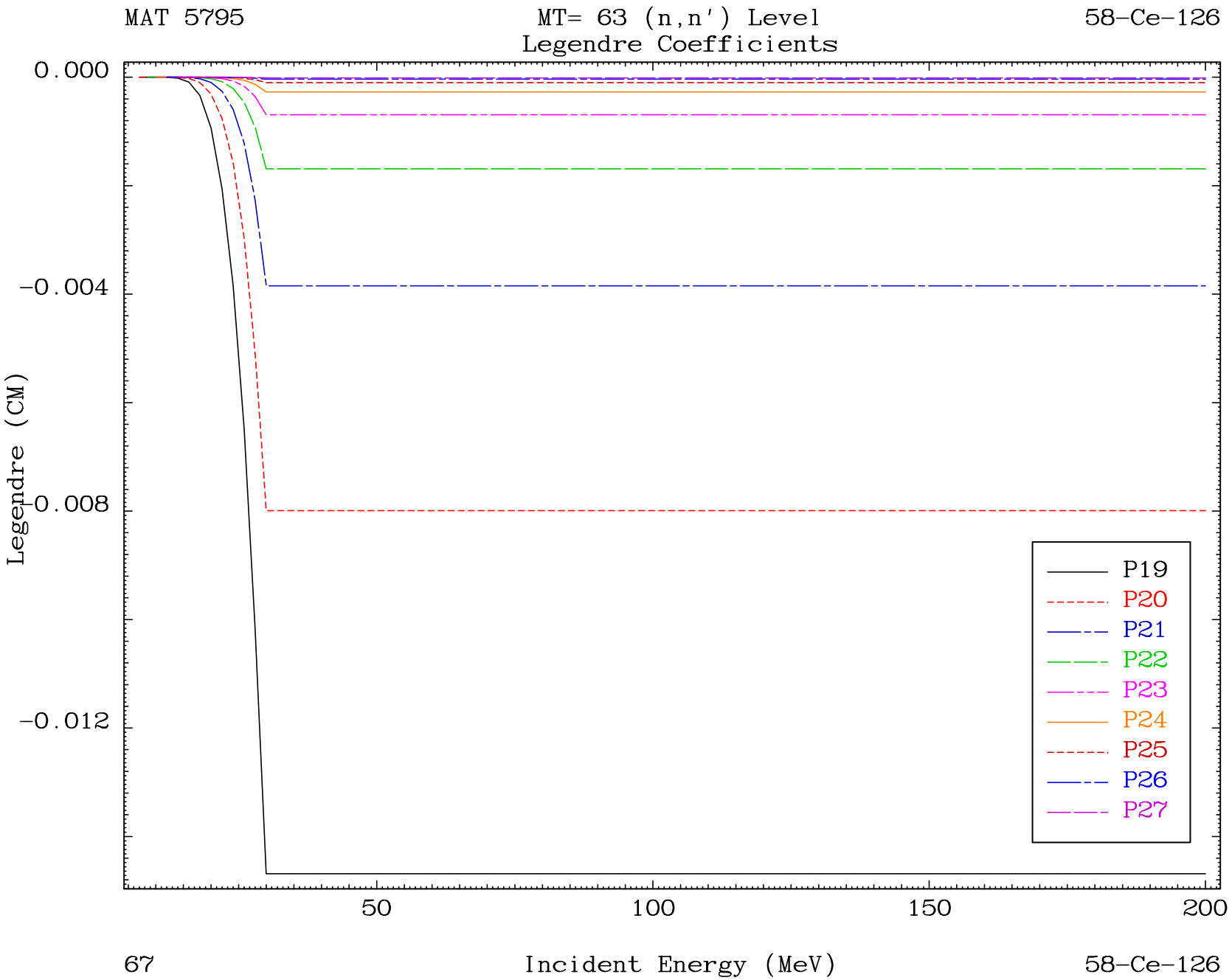

MAT 5795
MT= 62 (n,n') Level
Legendre Coefficients
58-Ce-126
0.004
0.002
0.000
-0.002
-0.004
-0.006
-0.008
Legendre (CM)
0
50
100
150
200
62
Incident Energy (MeV)
58-Ce-126
P10
P11
P12
P13
P14
P15
P16
P17
P18

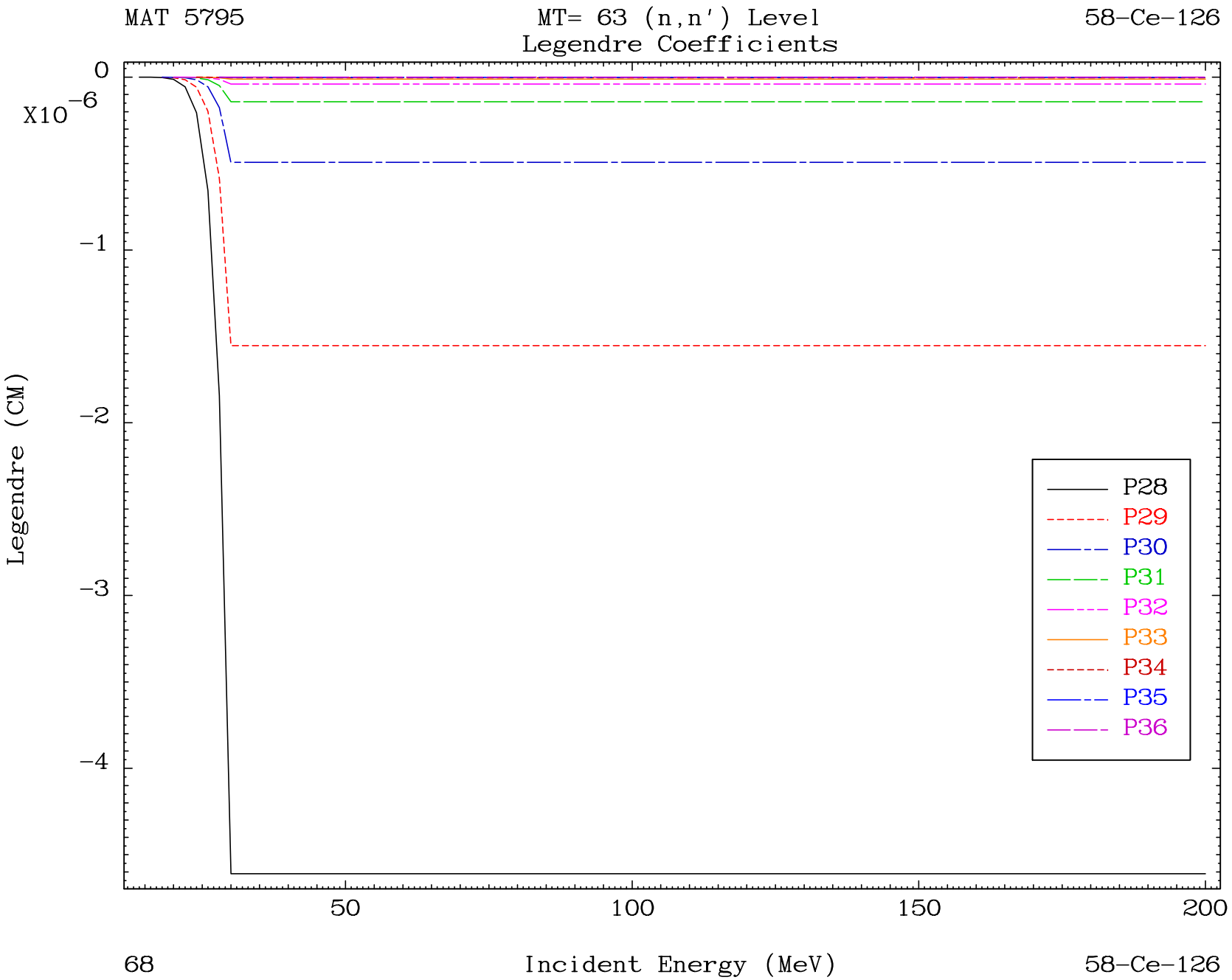

MAT 5795
MT= 62 (n,n') Level
Legendre Coefficients
58-Ce-126
X10^-4
0.0
-0.5
-1.0
-1.5
Legendre (CM)
50
100
150
200
63
Incident Energy (MeV)
58-Ce-126
P19
P20
P21
P22
P23
P24
P25
P26
P27

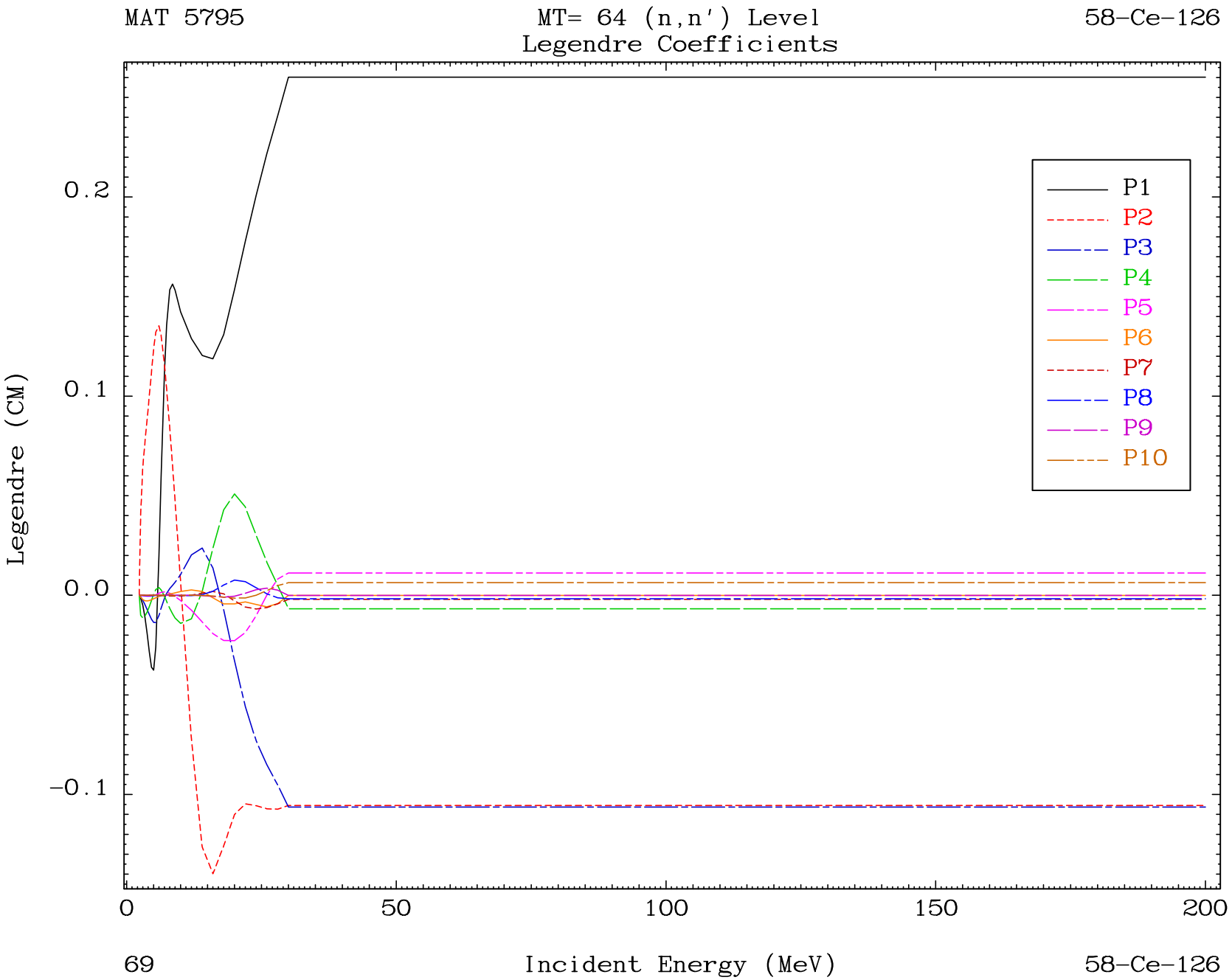

MAT 5795
MT= 62 (n,n') Level
Legendre Coefficients
58-Ce-126
X10-7
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
64
Incident Energy (MeV)
58-Ce-126

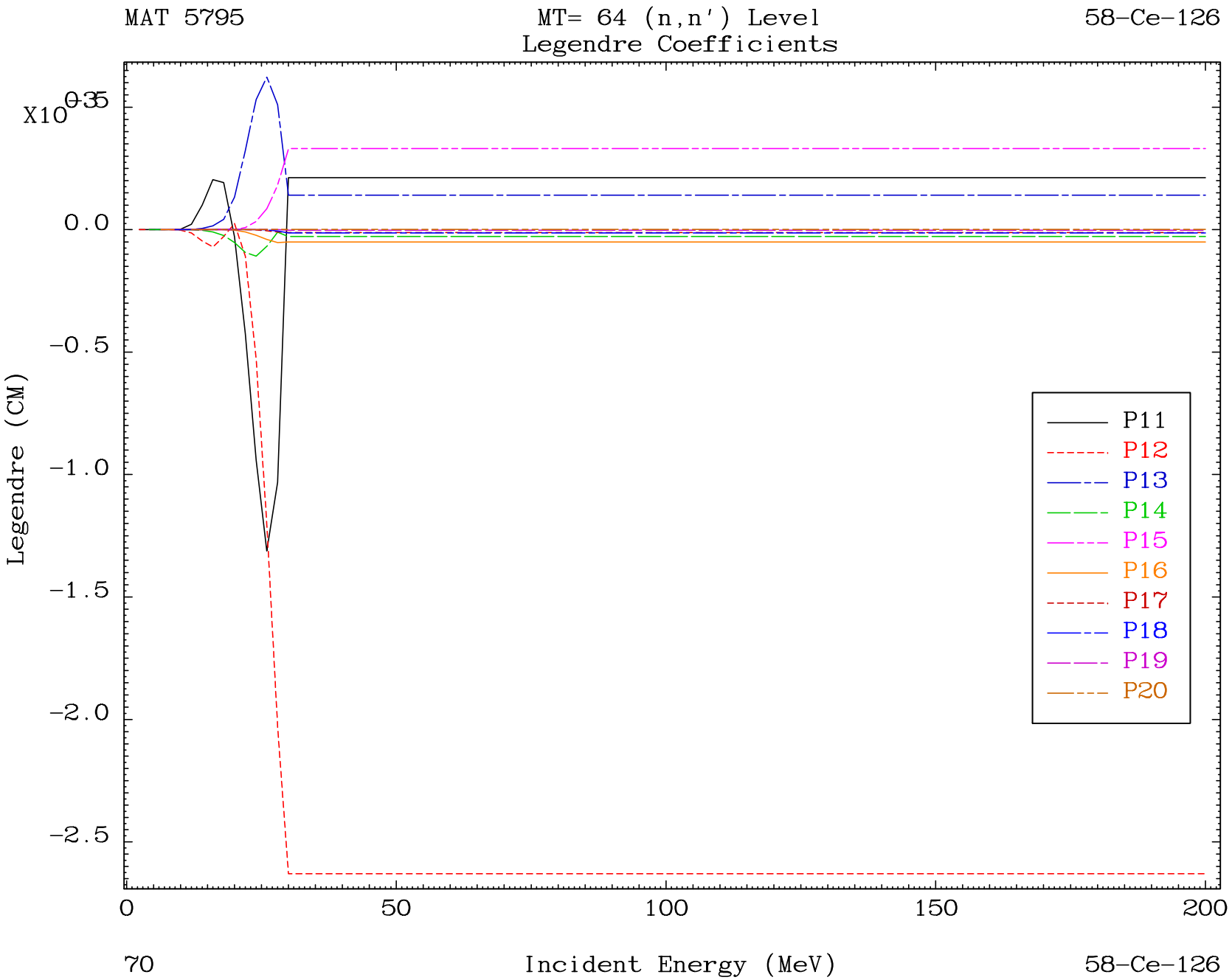

MAT 5795
MT= 63 (n,n') Level
Legendre Coefficients
58-Ce-126
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
65
Incident Energy (MeV)
58-Ce-126

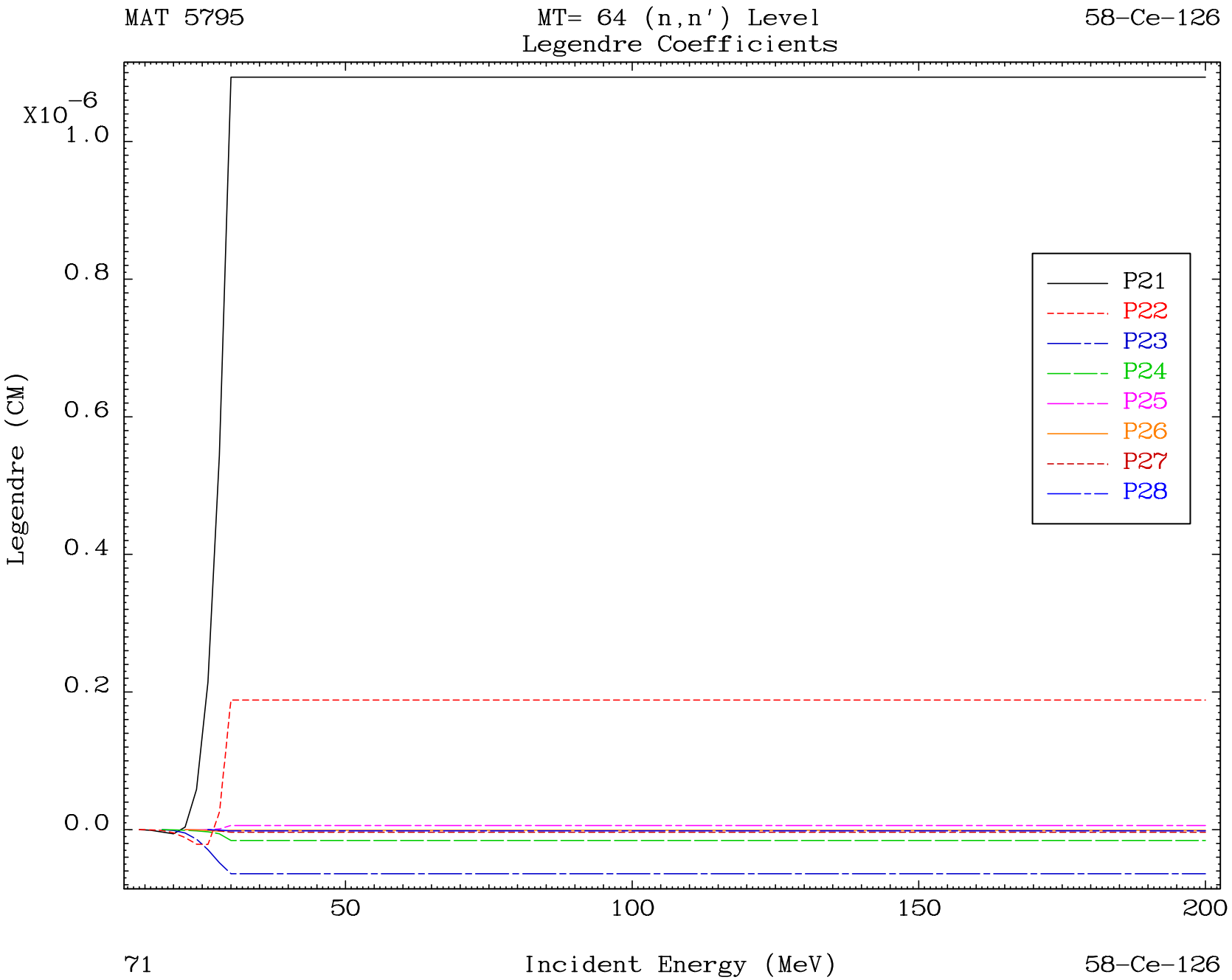

MAT 5795
MT= 63 (n,n') Level
Legendre Coefficients
58-Ce-126
0.00
-0.01
-0.02
-0.03
-0.04
-0.05
Legendre (CM)
0
50
100
150
200
66
Incident Energy (MeV)
58-Ce-126
P10
P11
P12
P13
P14
P15
P16
P17
P18

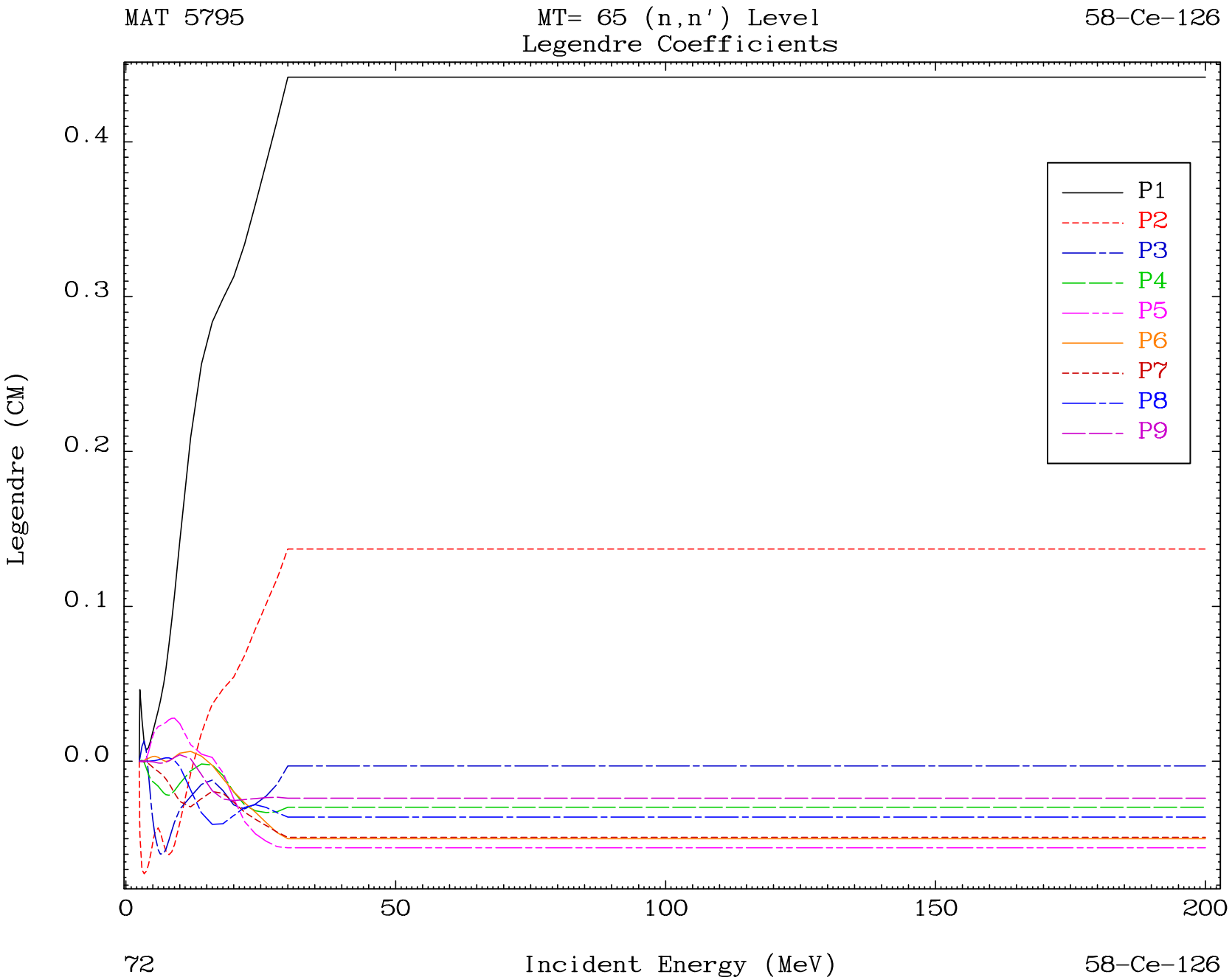

MAT 5795
MT= 63 (n,n') Level
Legendre Coefficients
58-Ce-126
0.000
-0.004
-0.008
-0.012
Legendre (CM)
50
100
150
200
67
Incident Energy (MeV)
58-Ce-126
P19
P20
P21
P22
P23
P24
P25
P26
P27

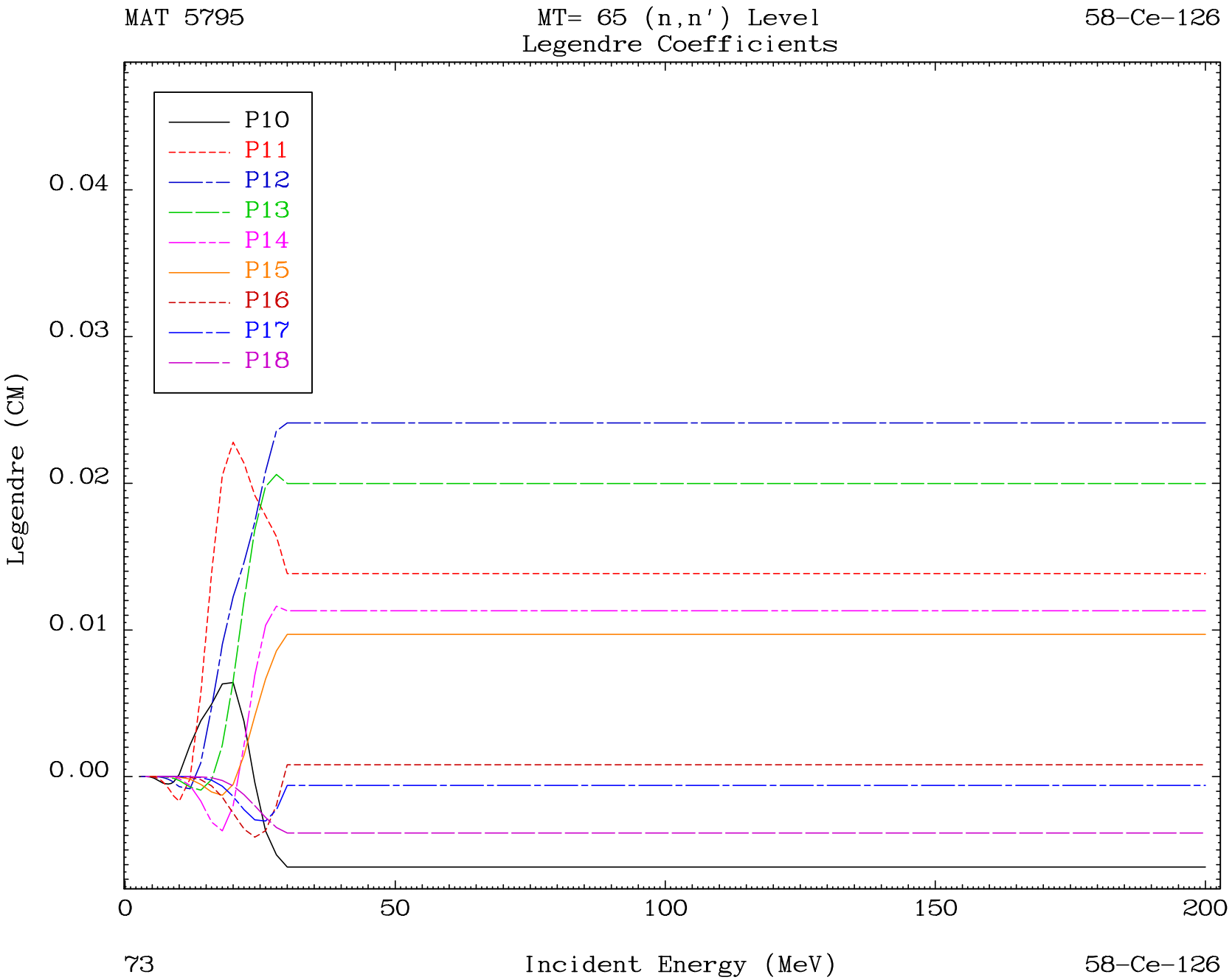

MAT 5795
MT= 63 (n,n') Level
Legendre Coefficients
58-Ce-126
0
X10 −6
−1
−2
−3
−4
Legendre (CM)
50
100
150
200
68
Incident Energy (MeV)
58-Ce-126
P28
P29
P30
P31
P32
P33
P34
P35
P36

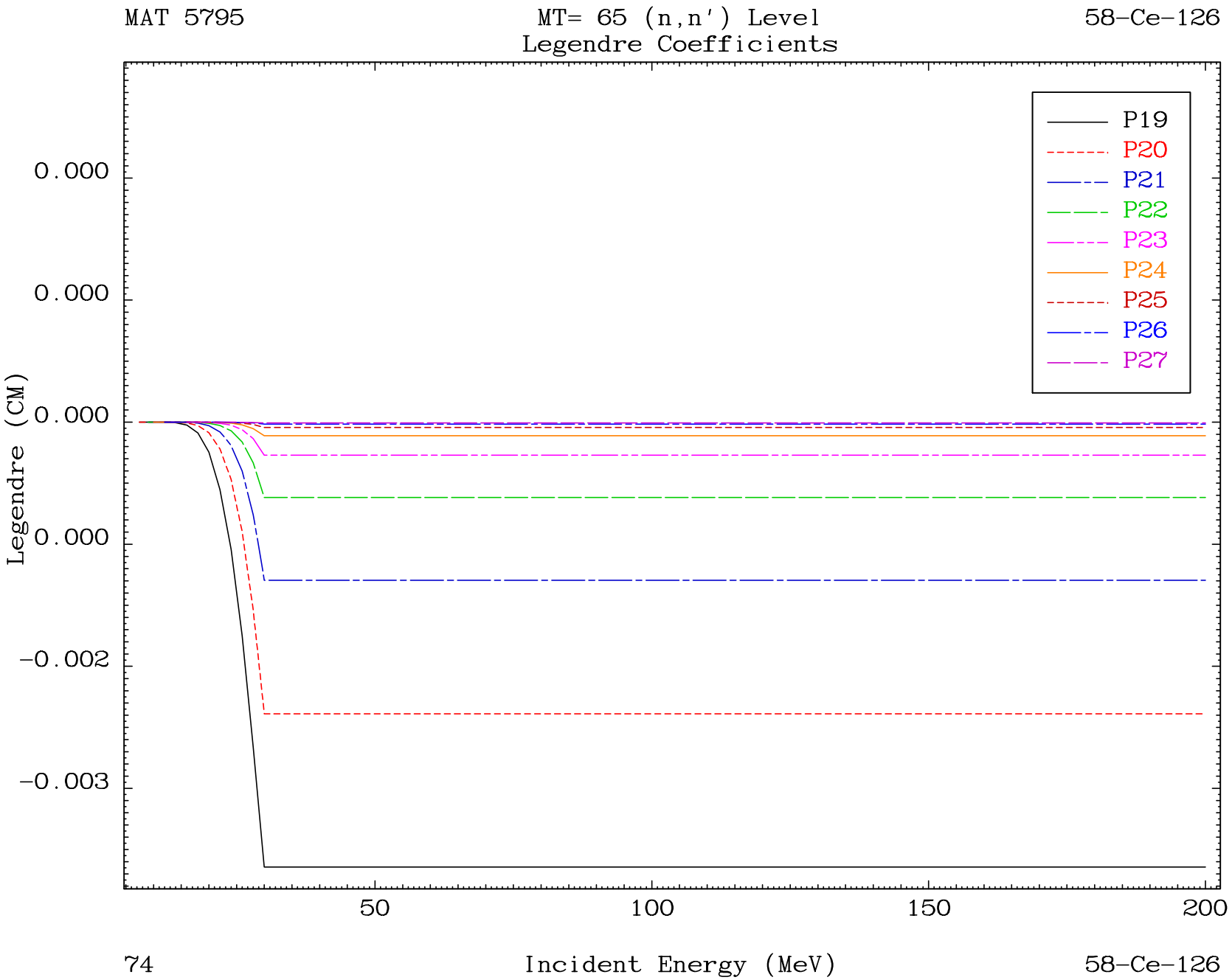

MAT 5795
MT= 64 (n,n') Level
Legendre Coefficients
58-Ce-126
Legendre (CM)
0.2
0.1
0.0
-0.1
0
50
100
150
200
69
Incident Energy (MeV)
58-Ce-126
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10

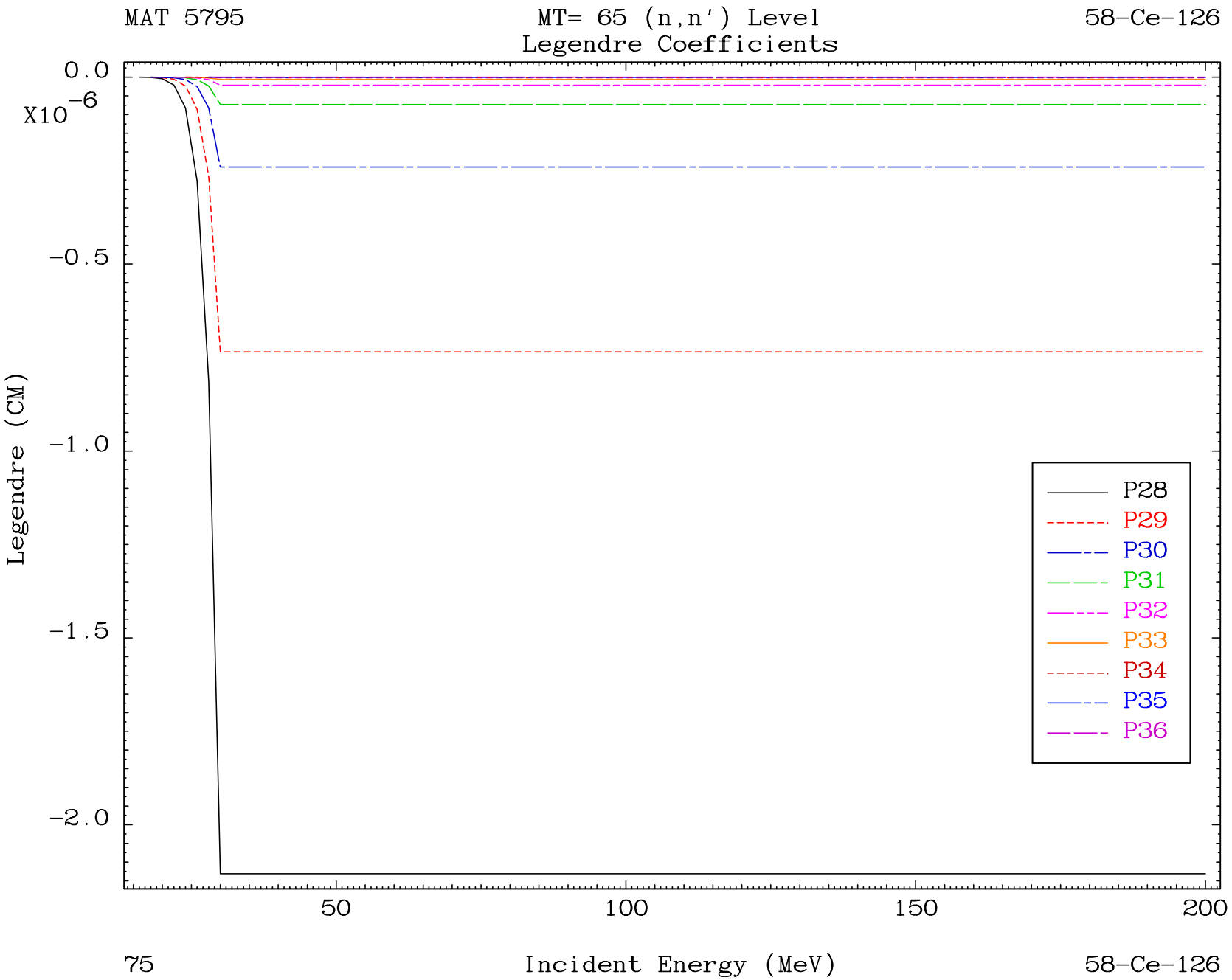

MAT 5795
MT= 64 (n,n') Level
Legendre Coefficients
58-Ce-126
X10-35
0.0
-0.5
-1.0
-1.5
-2.0
-2.5
Legendre (CM)
0
50
100
150
200
70
Incident Energy (MeV)
58-Ce-126
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

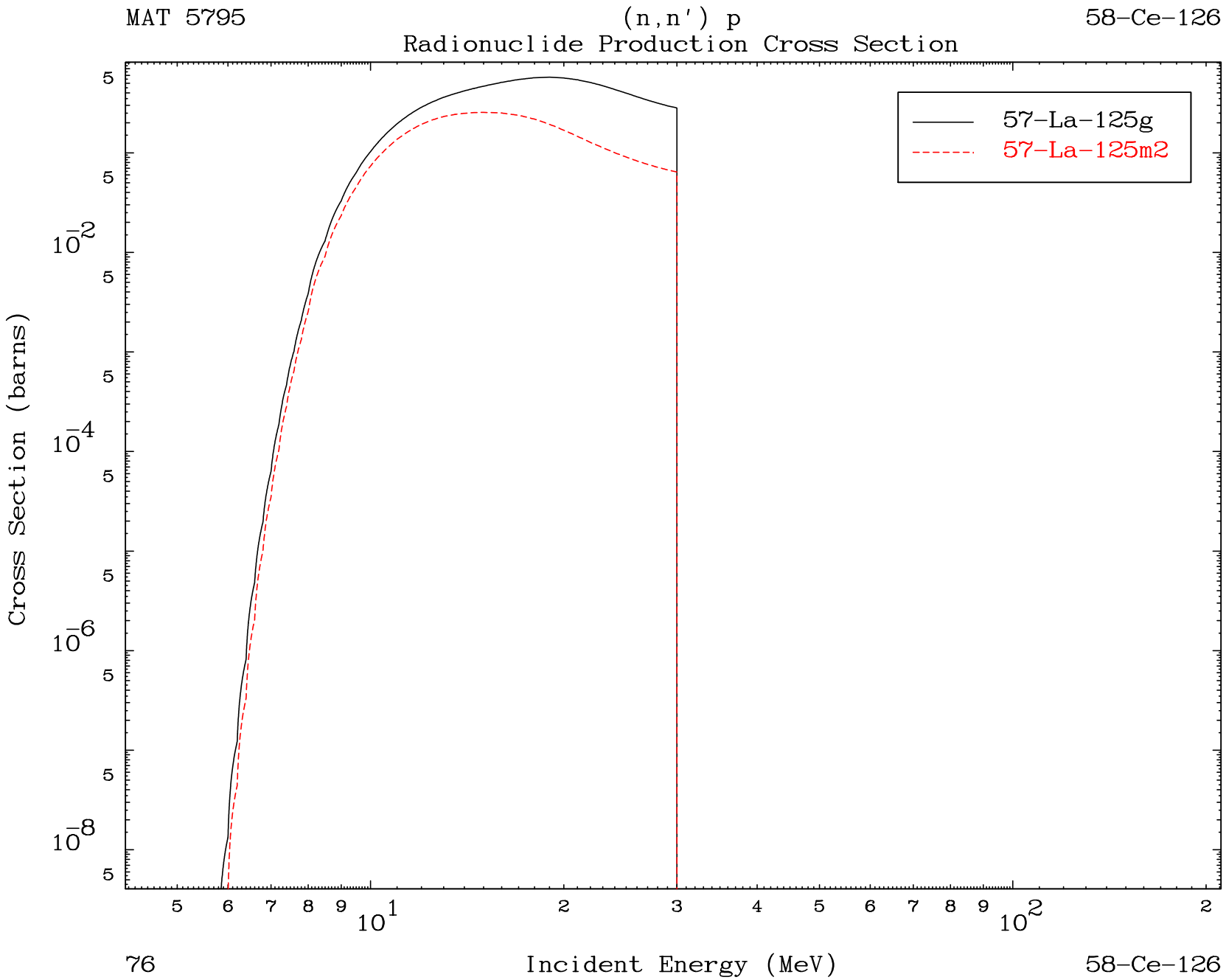

MAT 5795
MT= 64 (n,n') Level
Legendre Coefficients
58-Ce-126
X10^-6
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P21
P22
P23
P24
P25
P26
P27
P28
50
100
150
200
71
Incident Energy (MeV)
58-Ce-126

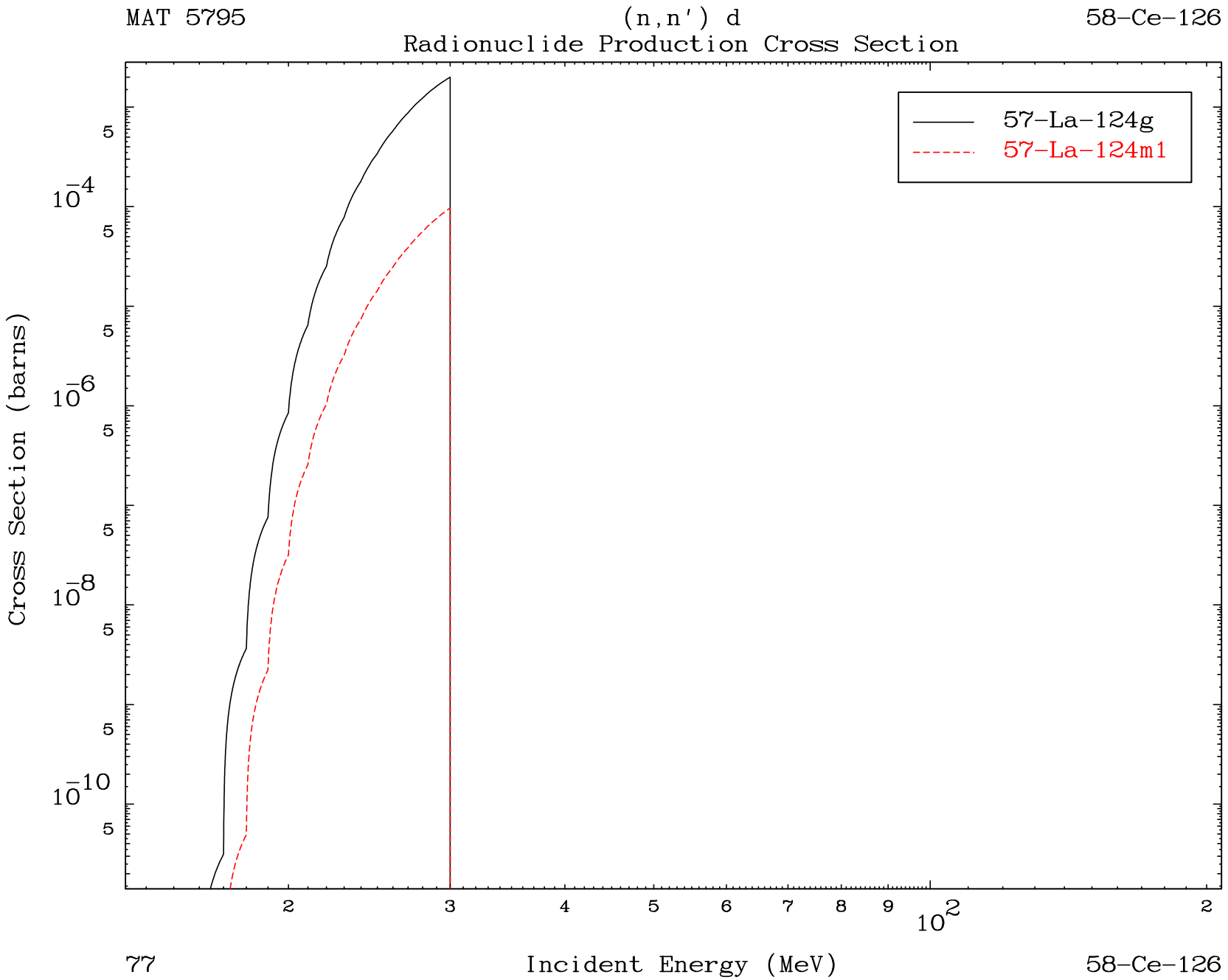

MAT 5795
MT= 65 (n,n') Level
Legendre Coefficients
58-Ce-126
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
72
Incident Energy (MeV)
58-Ce-126

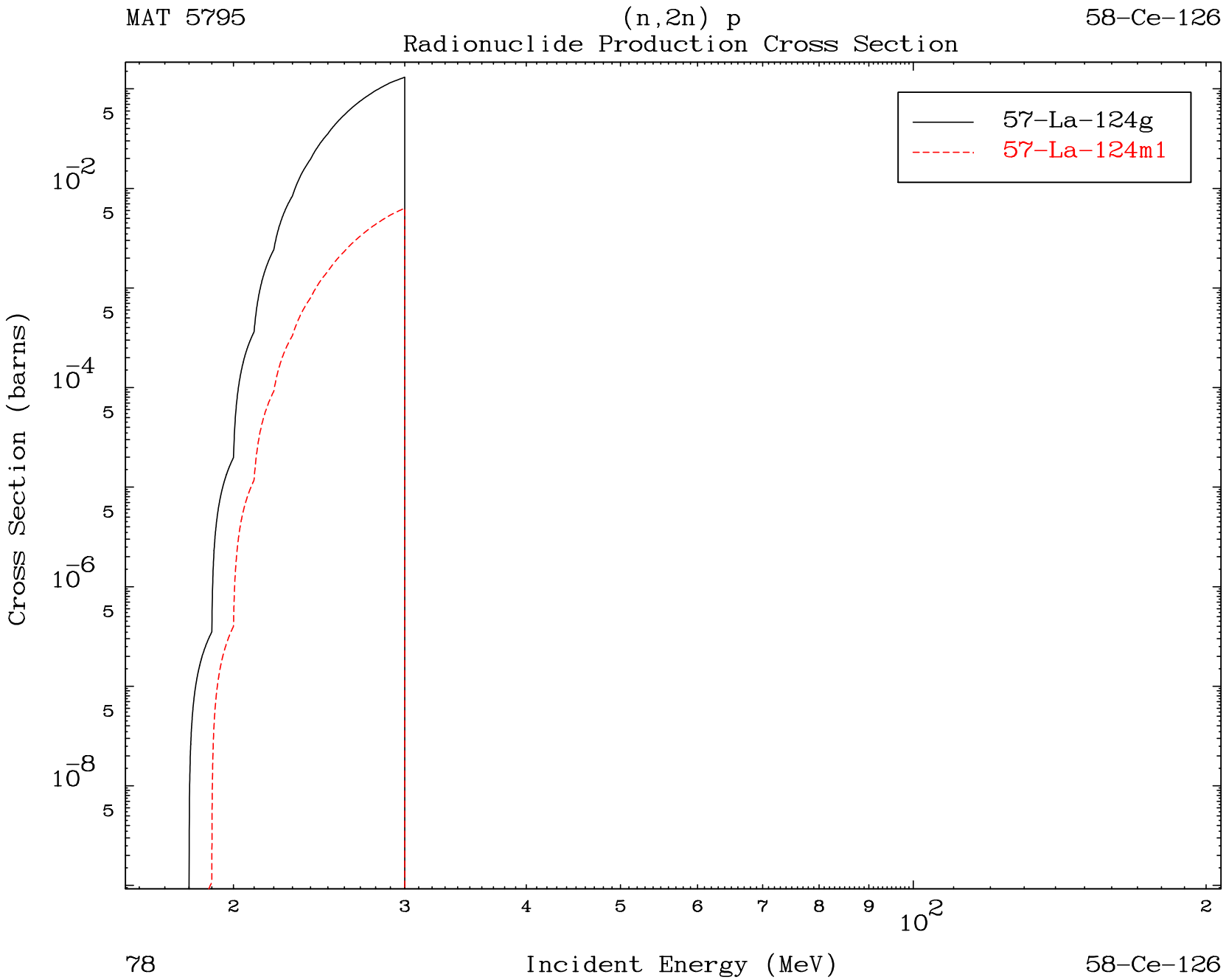

MAT 5795
MT= 65 (n,n') Level
Legendre Coefficients
58-Ce-126
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
73
Incident Energy (MeV)
58-Ce-126

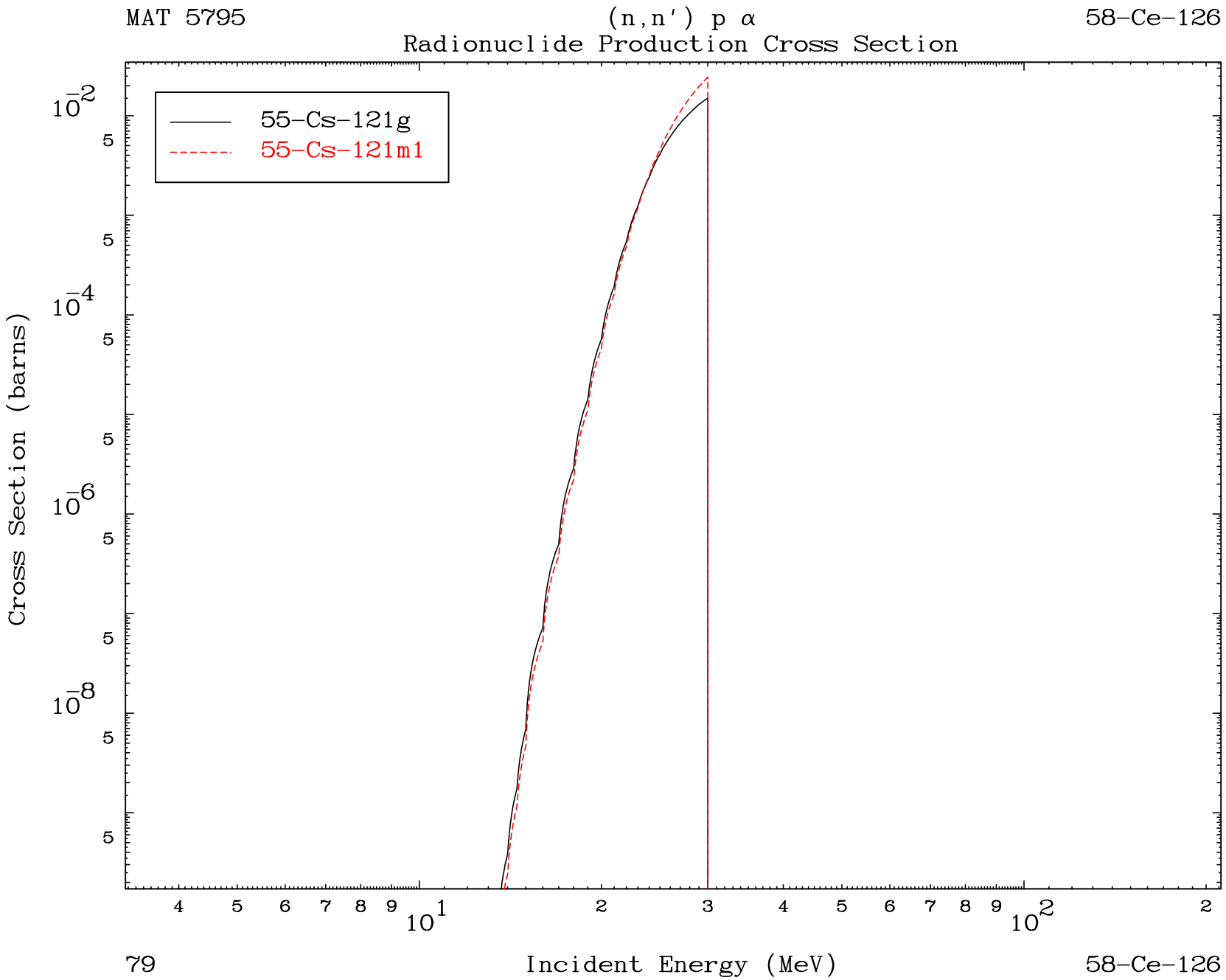

MAT 5795
MT= 65 (n,n') Level
Legendre Coefficients
58-Ce-126
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.000
0.000
0.000
0.000
-0.002
-0.003
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
58-Ce-126

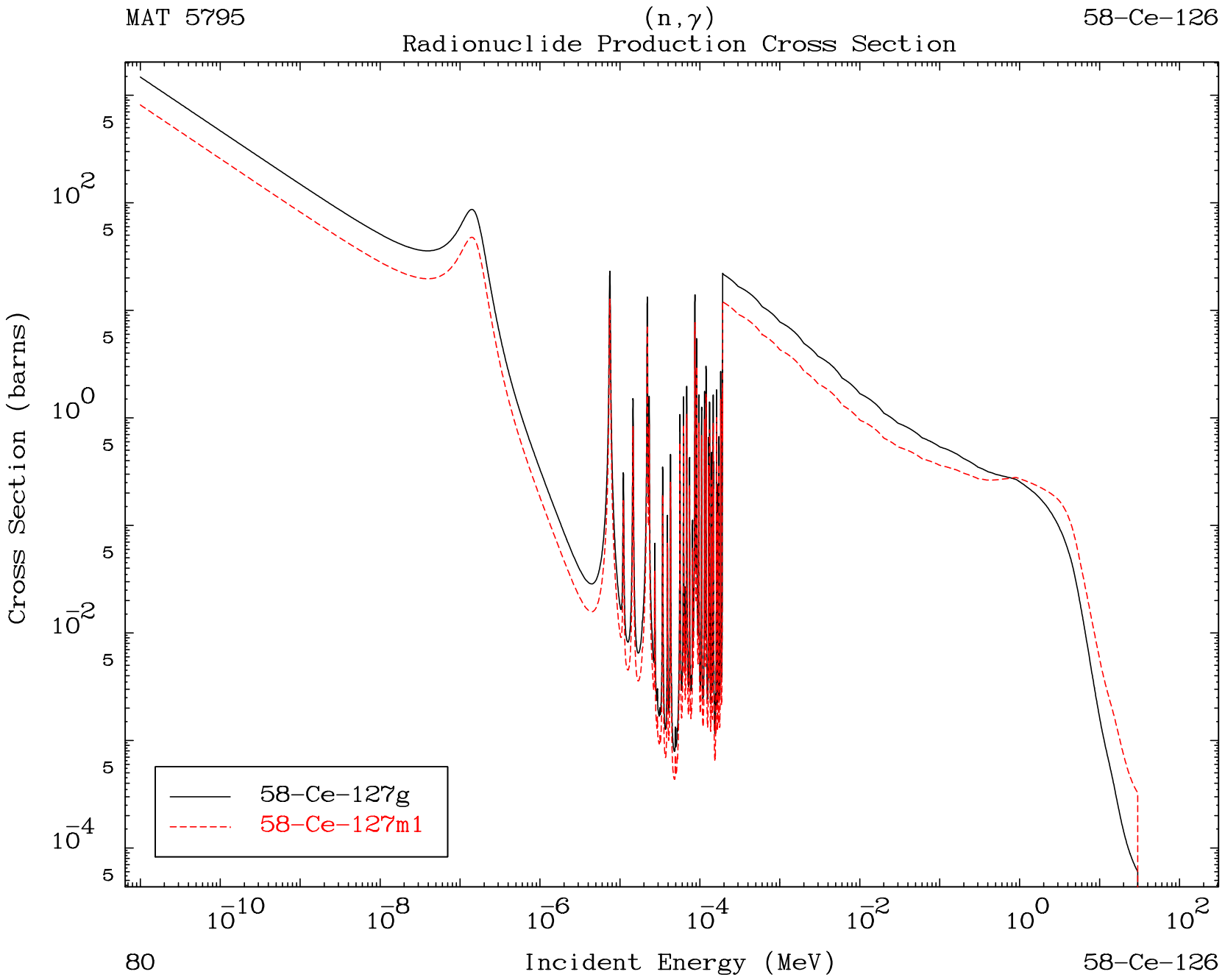

MAT 5795
MT= 65 (n,n') Level
Legendre Coefficients
58-Ce-126
0.0
X10^-6
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
50
100
150
200
75
Incident Energy (MeV)
58-Ce-126
P28
P29
P30
P31
P32
P33
P34
P35
P36

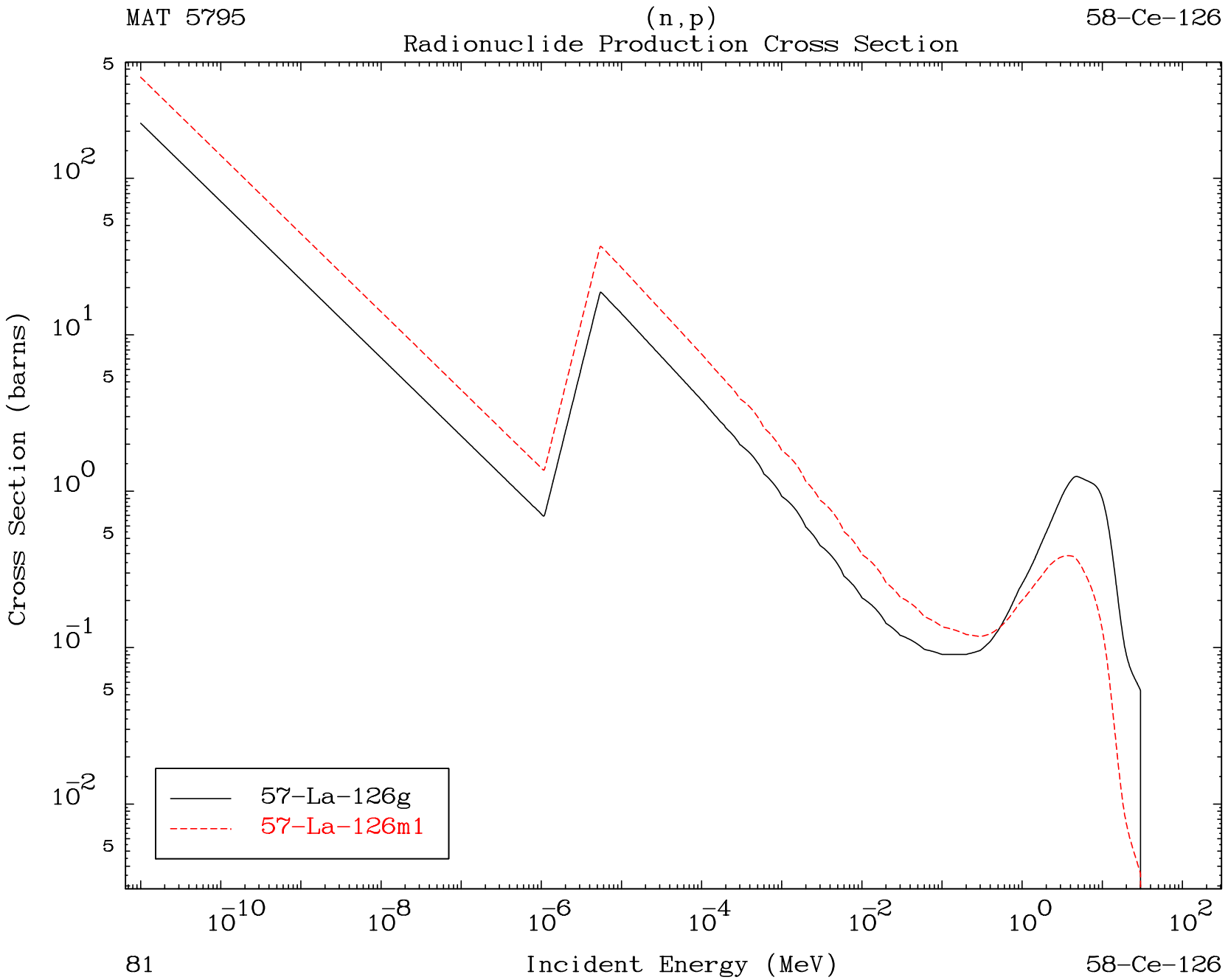

MAT 5795
(n,n') p
58-Ce-126
Radionuclide Production Cross Section
57-La-125g
57-La-125m2
Cross Section (barns)
Incident Energy (MeV)
76
58-Ce-126

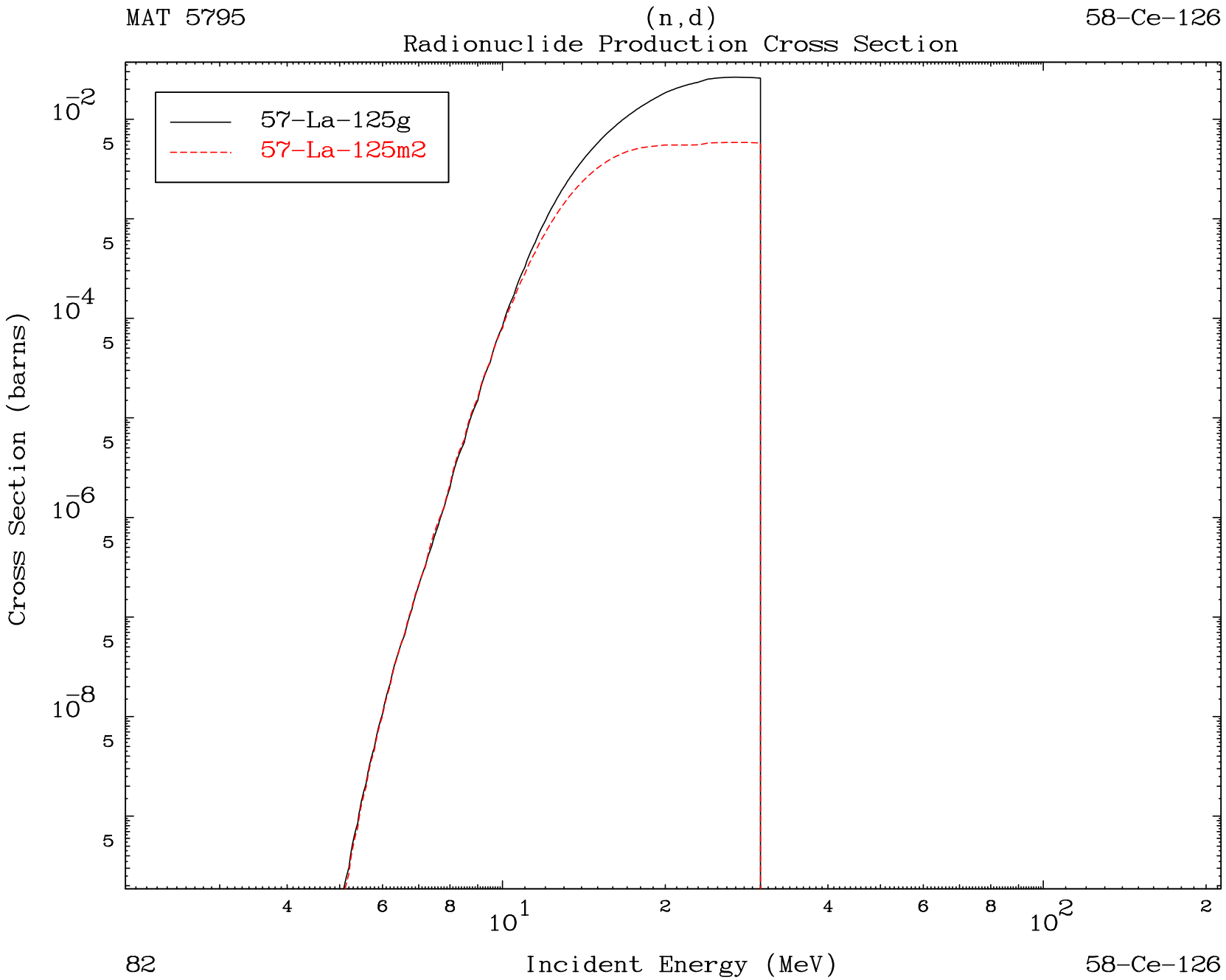

MAT 5795
(n,n') d
58-Ce-126
Radionuclide Production Cross Section
57-La-124g
57-La-124m1
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
77
Incident Energy (MeV)
58-Ce-126

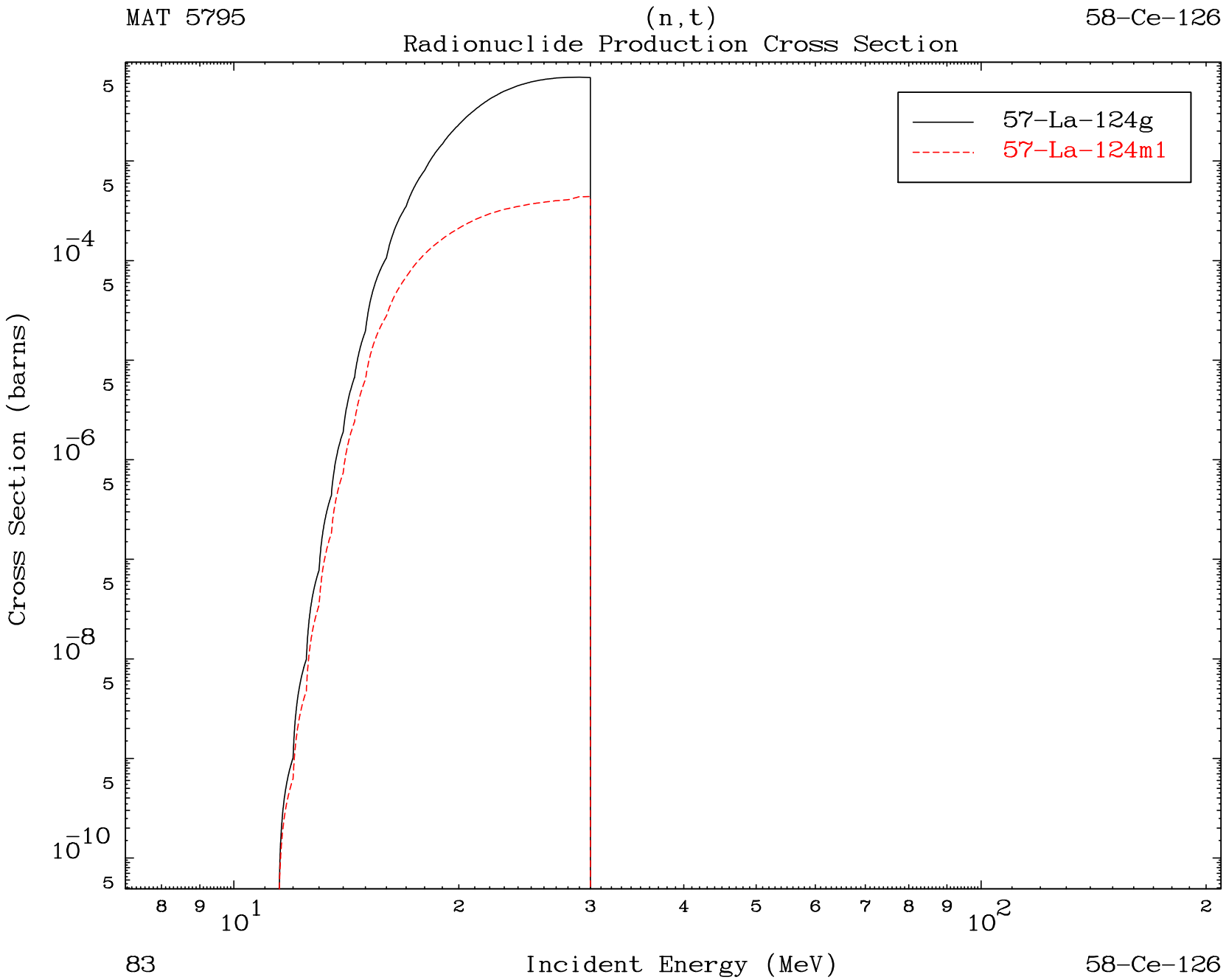

MAT 5795
(n,2n) p
58-Ce-126
Radionuclide Production Cross Section
57-La-124g
57-La-124m1
Cross Section (barns)
10-2
10-4
10-6
10-8
2
3
4
5
6
7
8
9
10 2
2
78
Incident Energy (MeV)
58-Ce-126

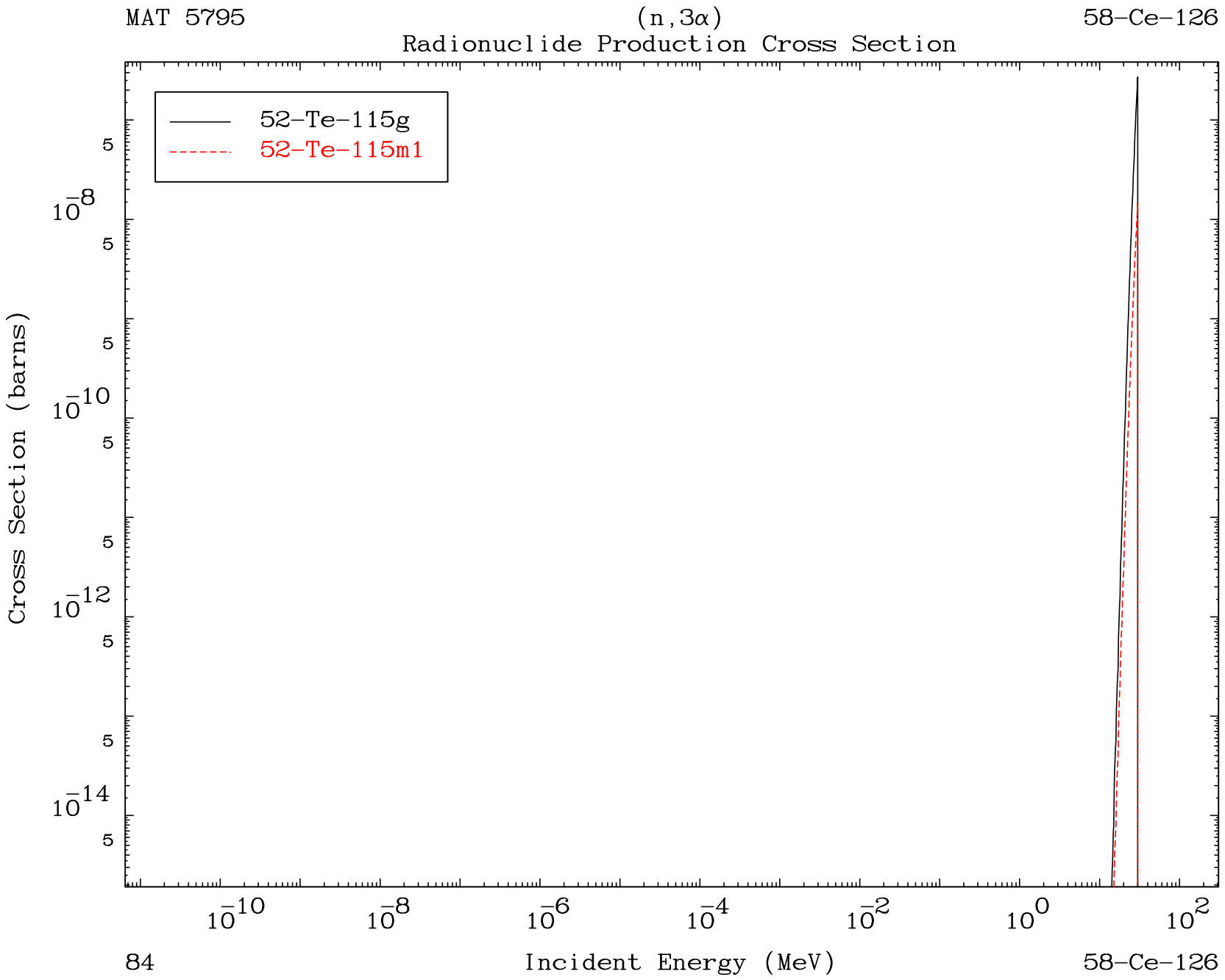

MAT 5795
(n,n') p α
58-Ce-126
Radionuclide Production Cross Section
55-Cs-121g
55-Cs-121m1
Cross Section (barns)
Incident Energy (MeV)
79
58-Ce-126

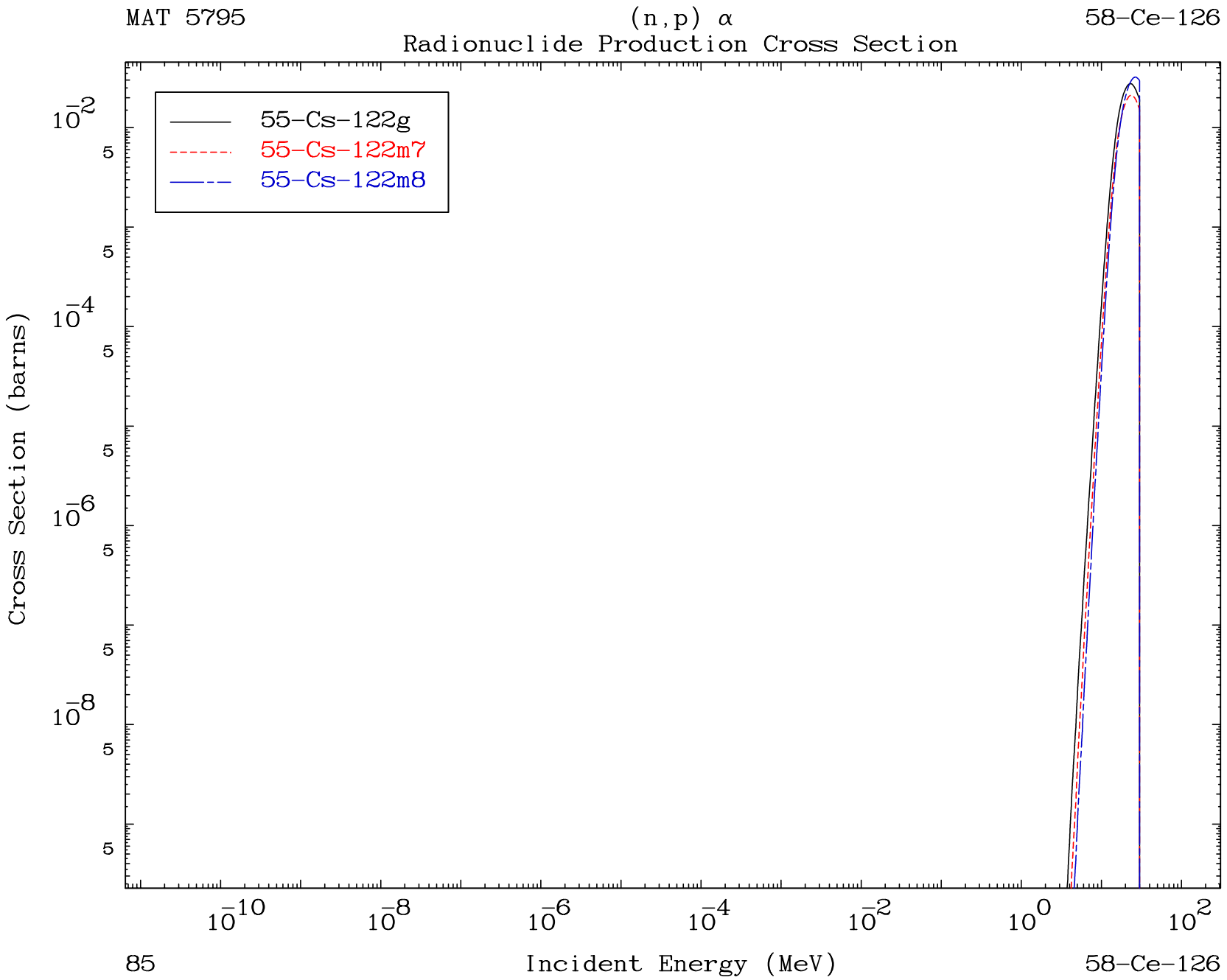

MAT 5795
(n,γ)
58-Ce-126
Radionuclide Production Cross Section
Cross Section (barns)
10^2
10^0
10^-2
10^-4
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
Incident Energy (MeV)
58-Ce-127g
58-Ce-127m1
80
58-Ce-126

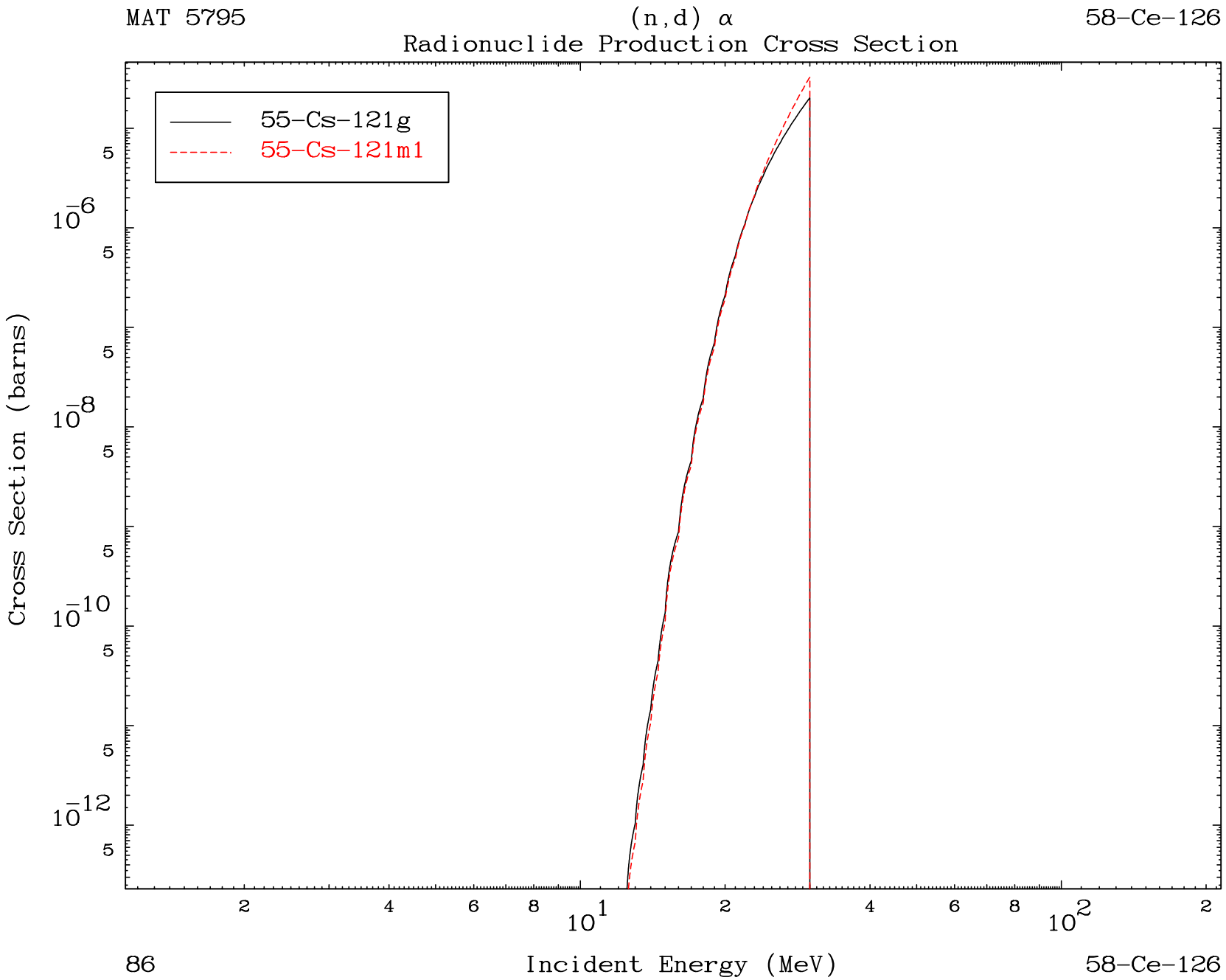

MAT 5795
(n,p)
58-Ce-126
Radionuclide Production Cross Section
Cross Section (barns)
5
10^2
5
10^1
5
10^0
5
10^-1
5
10^-2
5
57-La-126g
57-La-126m1
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
81
Incident Energy (MeV)
58-Ce-126


MAT 5795
(n,d)
58-Ce-126
Radionuclide Production Cross Section
57-La-125g
57-La-125m2
Cross Section (barns)
Incident Energy (MeV)
82
58-Ce-126


MAT 5795
(n,t)
58-Ce-126
Radionuclide Production Cross Section
57-La-124g
57-La-124m1
Cross Section (barns)
10-4
10-6
10-8
10-10
Incident Energy (MeV)
101
102
83
58-Ce-126


MAT 5795
(n,3α)
58-Ce-126
Radionuclide Production Cross Section
52-Te-115g
52-Te-115m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
84
Incident Energy (MeV)
58-Ce-126


MAT 5795
(n,p) α
58-Ce-126
Radionuclide Production Cross Section
55-Cs-122g
55-Cs-122m7
55-Cs-122m8
Cross Section (barns)
Incident Energy (MeV)
85
58-Ce-126


MAT 5795
(n,d) α
58-Ce-126
Radionuclide Production Cross Section
55-Cs-121g
55-Cs-121m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
2
4
6
8
10^1
10^2
86
Incident Energy (MeV)
58-Ce-126