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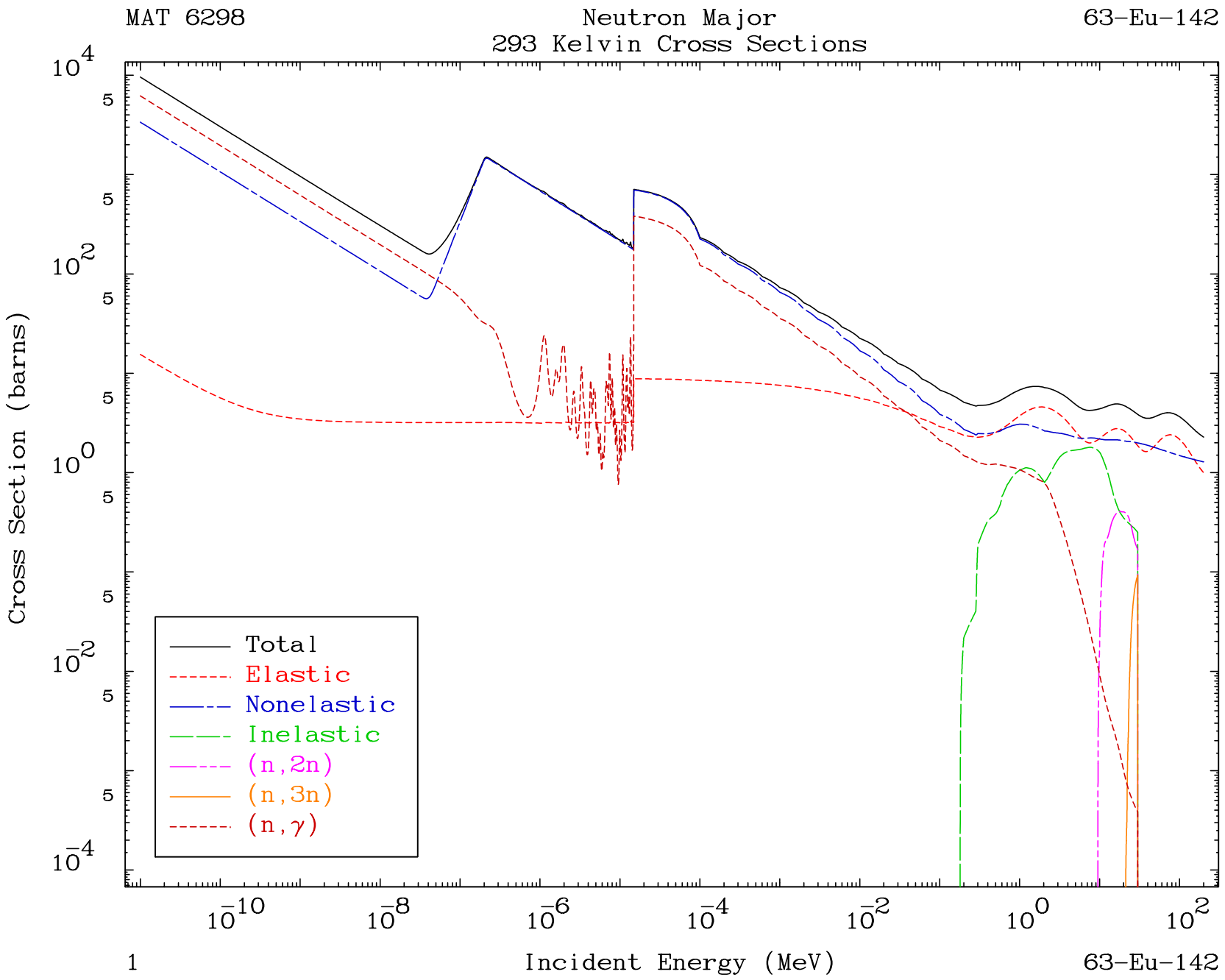
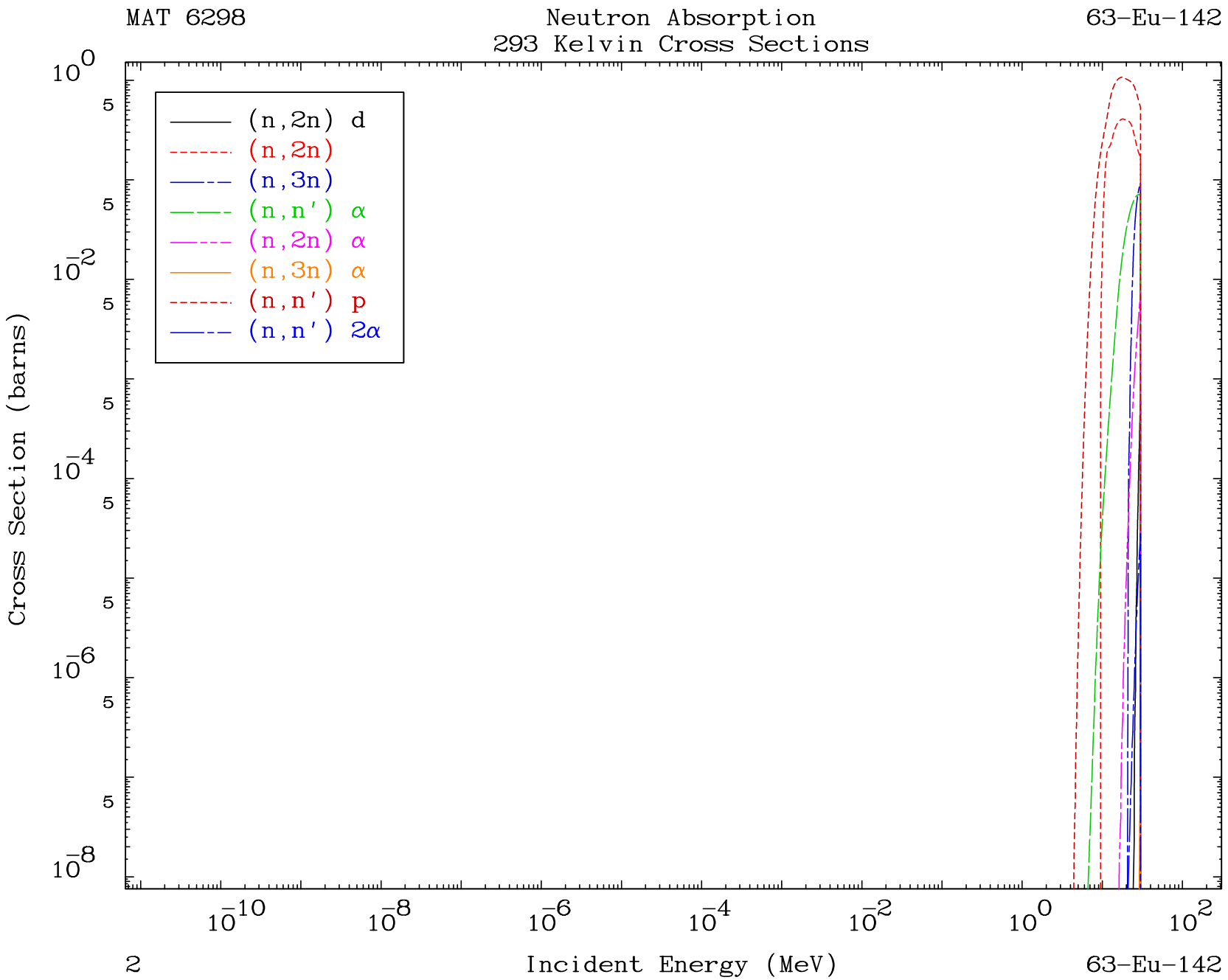
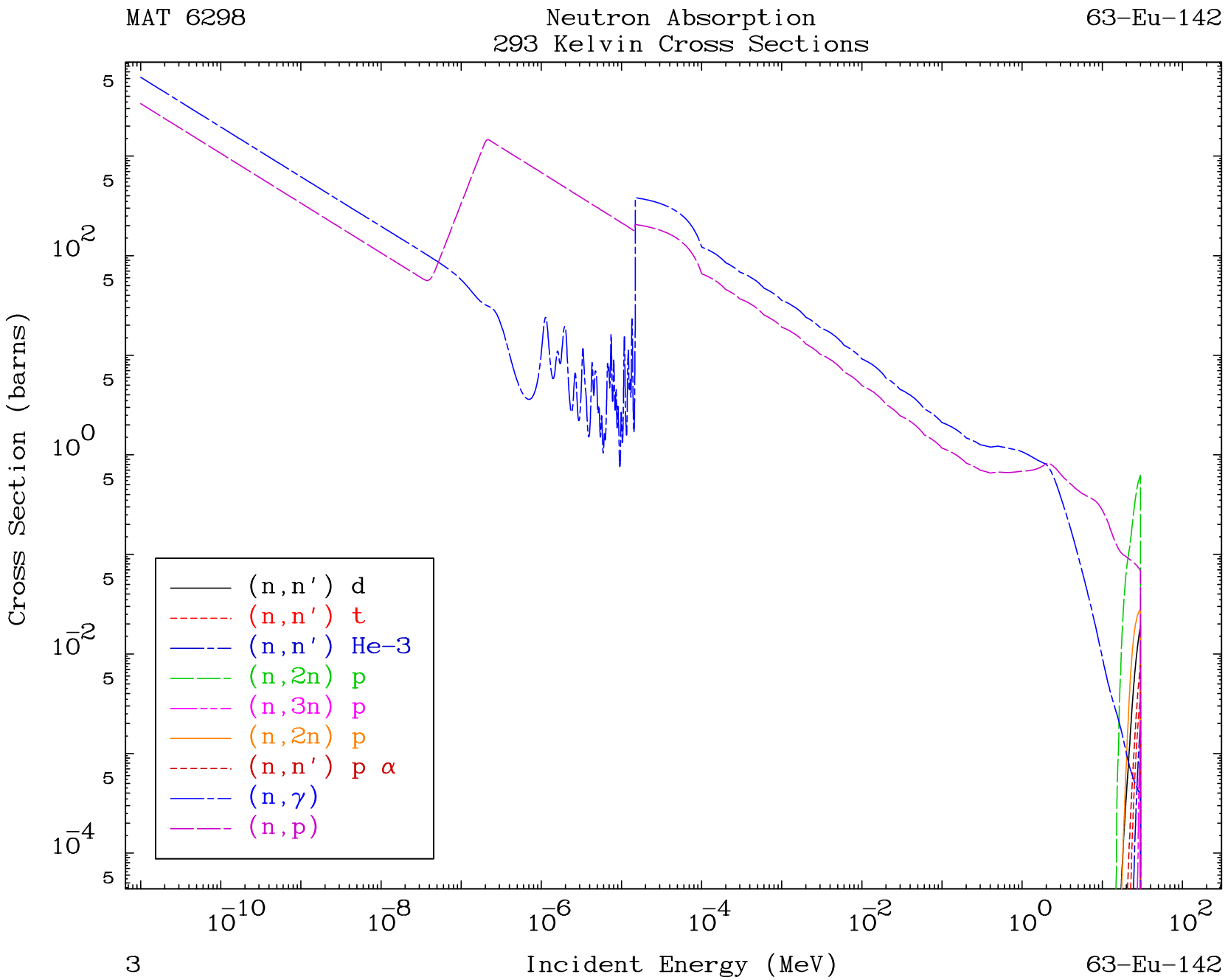
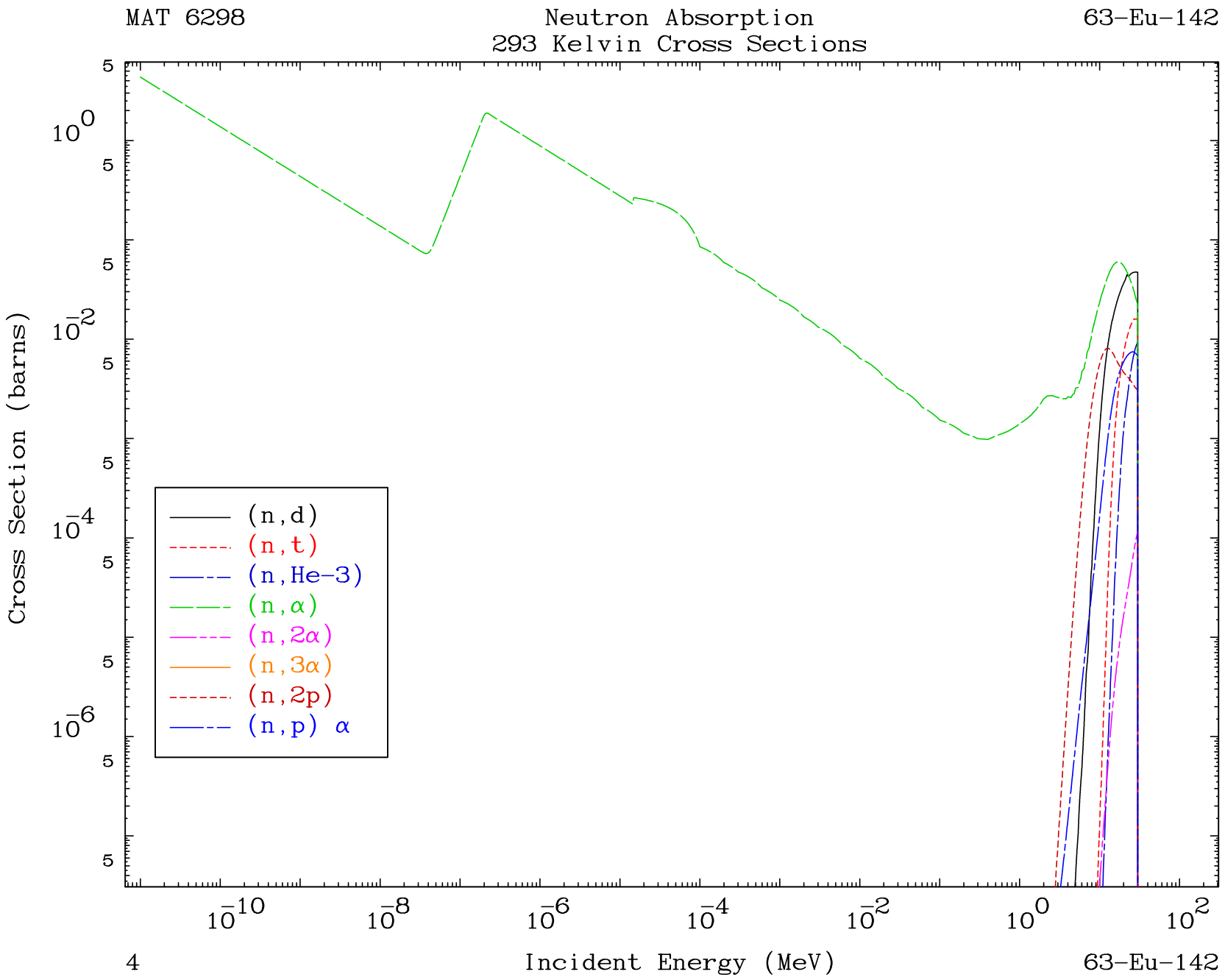
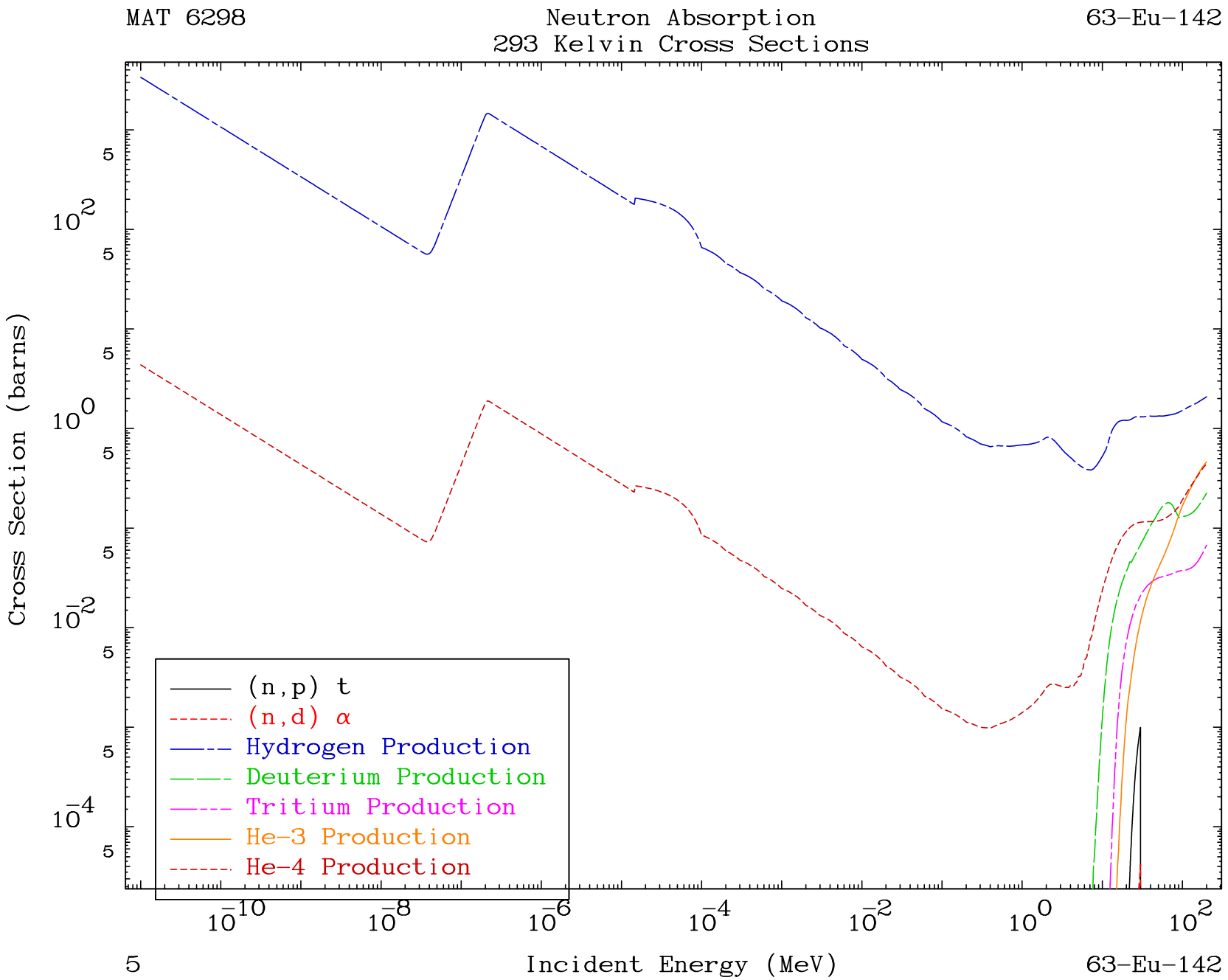
Press Mouse Button to Start

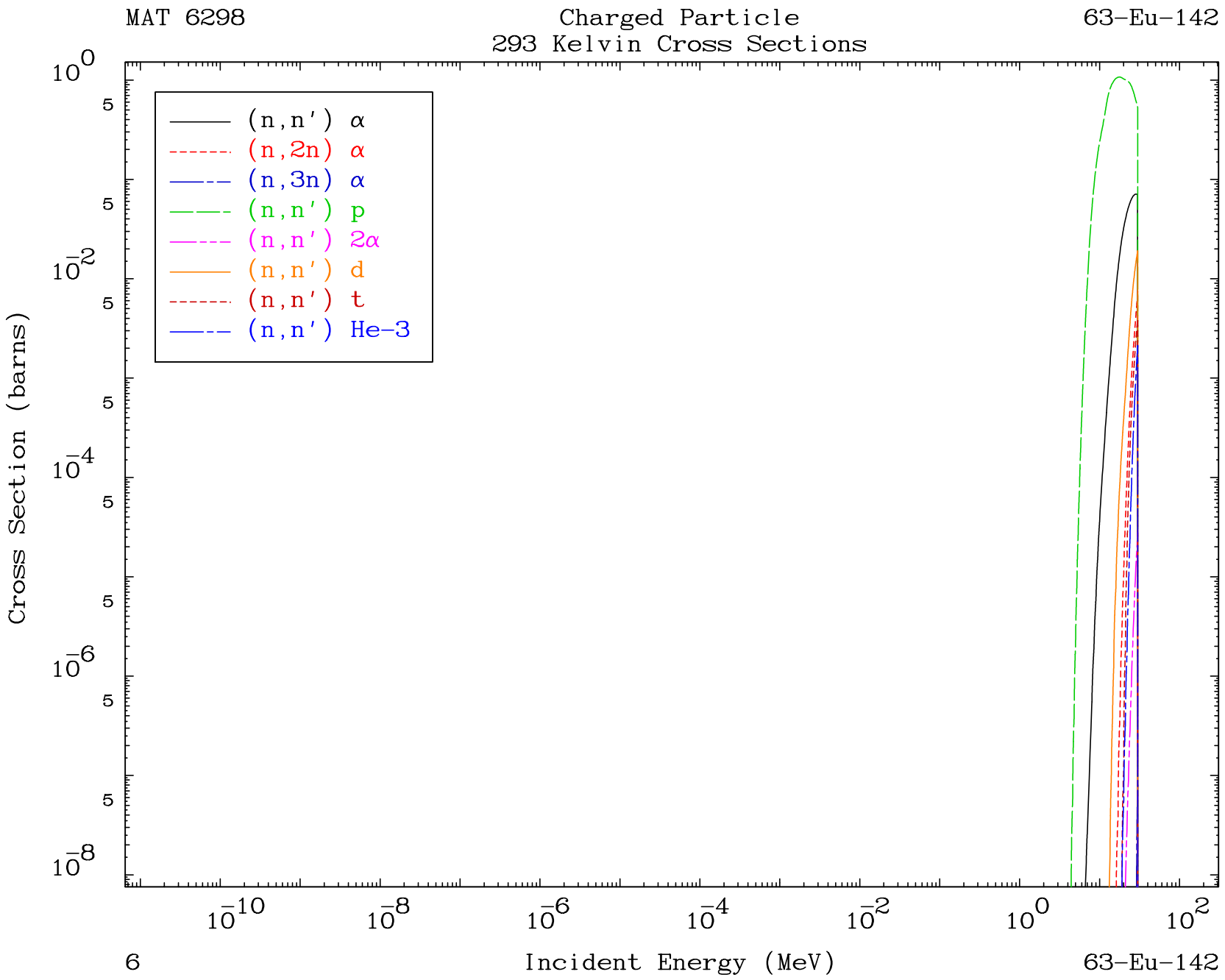

MAT 6298
Neutron Major
293 Kelvin Cross Sections
63-Eu-142
Cross Section (barns)
Incident Energy (MeV)
Total
Elastic
Nonelastic
Inelastic
(n,2n)
(n,3n)
(n,γ)
1
63-Eu-142

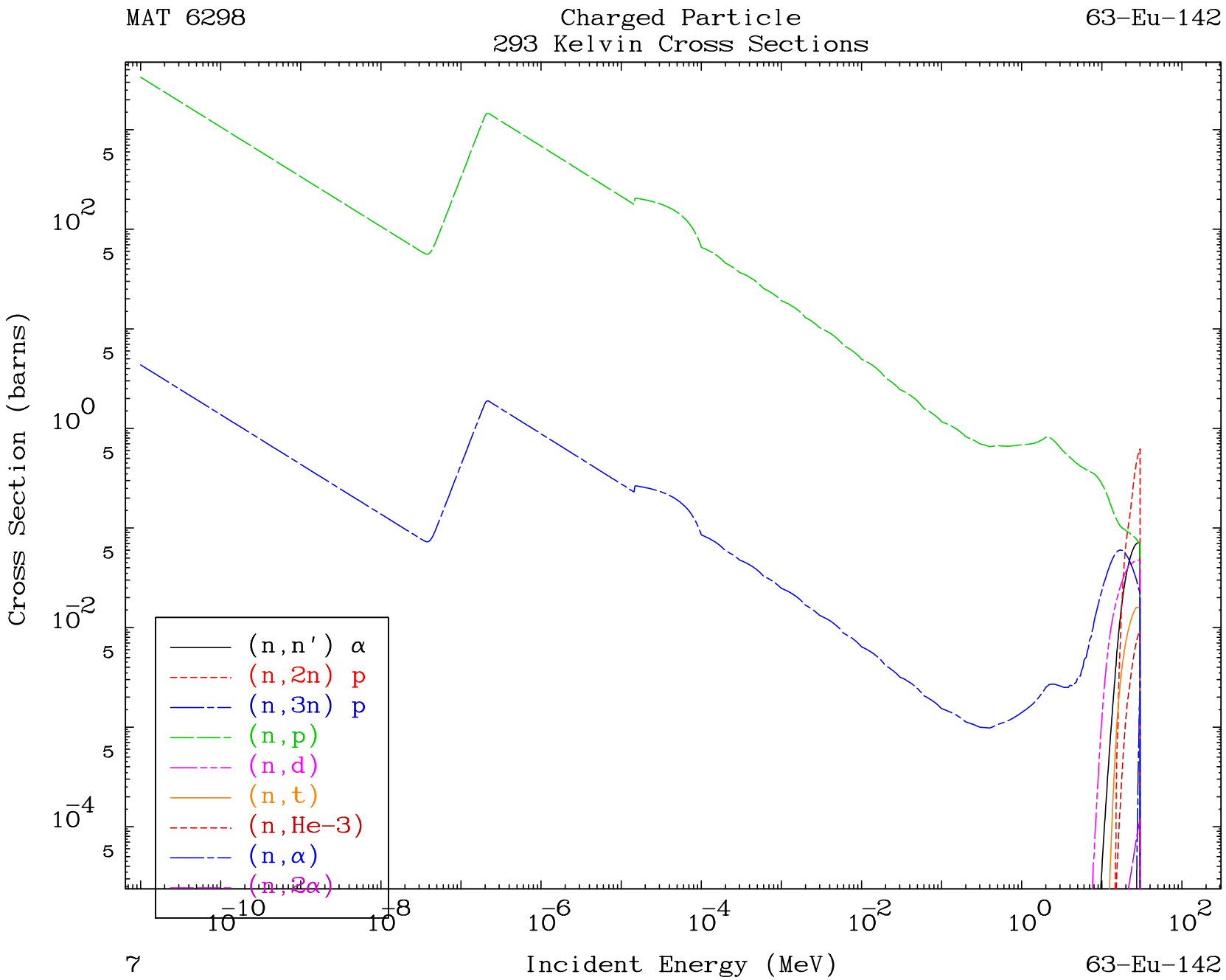

MAT 6298
Neutron Absorption
293 Kelvin Cross Sections
63-Eu-142
(n,2n) d
(n,2n)
(n,3n)
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
Cross Section (barns)
Incident Energy (MeV)
63-Eu-142
2

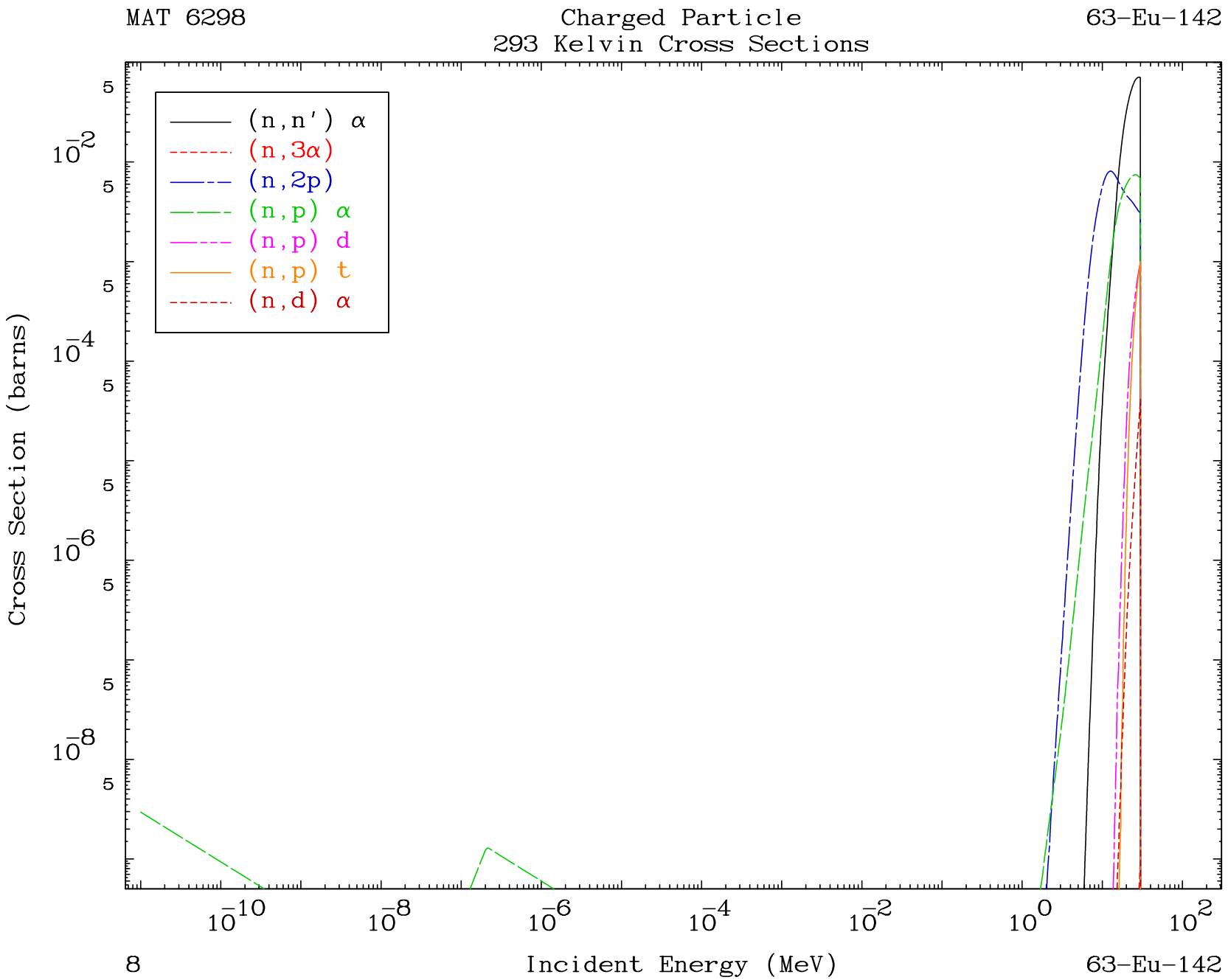

MAT 6298
Neutron Absorption
293 Kelvin Cross Sections
63-Eu-142
Cross Section (barns)
Incident Energy (MeV)
(n,n') d
(n,n') t
(n,n') He-3
(n,2n) p
(n,3n) p
(n,2n) p
(n,n') p α
(n,γ)
(n,p)
3
63-Eu-142

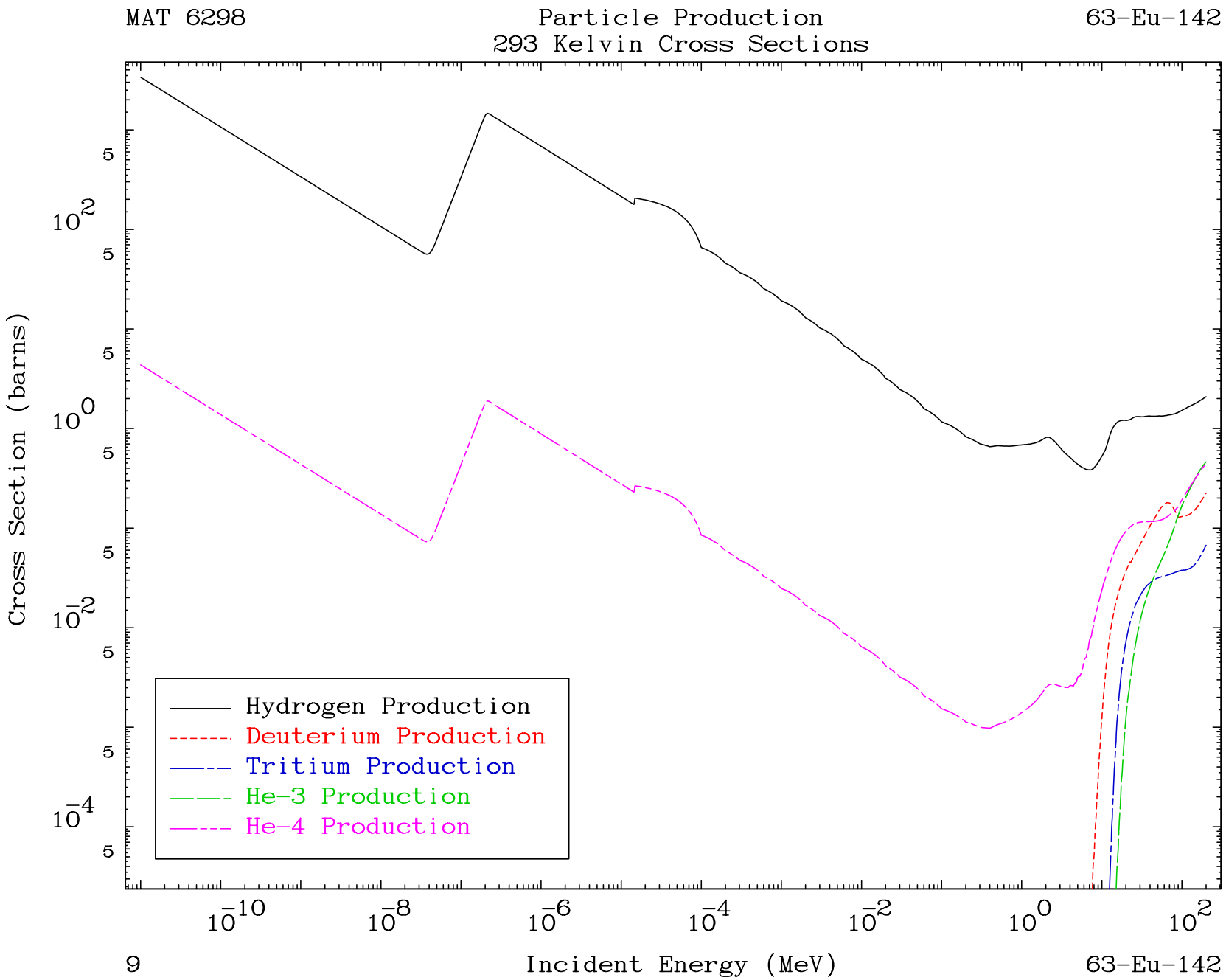

MAT 6298
Neutron Absorption
293 Kelvin Cross Sections
63-Eu-142
Cross Section (barns)
Incident Energy (MeV)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)
(n,3α)
(n,2p)
(n,p) α
4
63-Eu-142

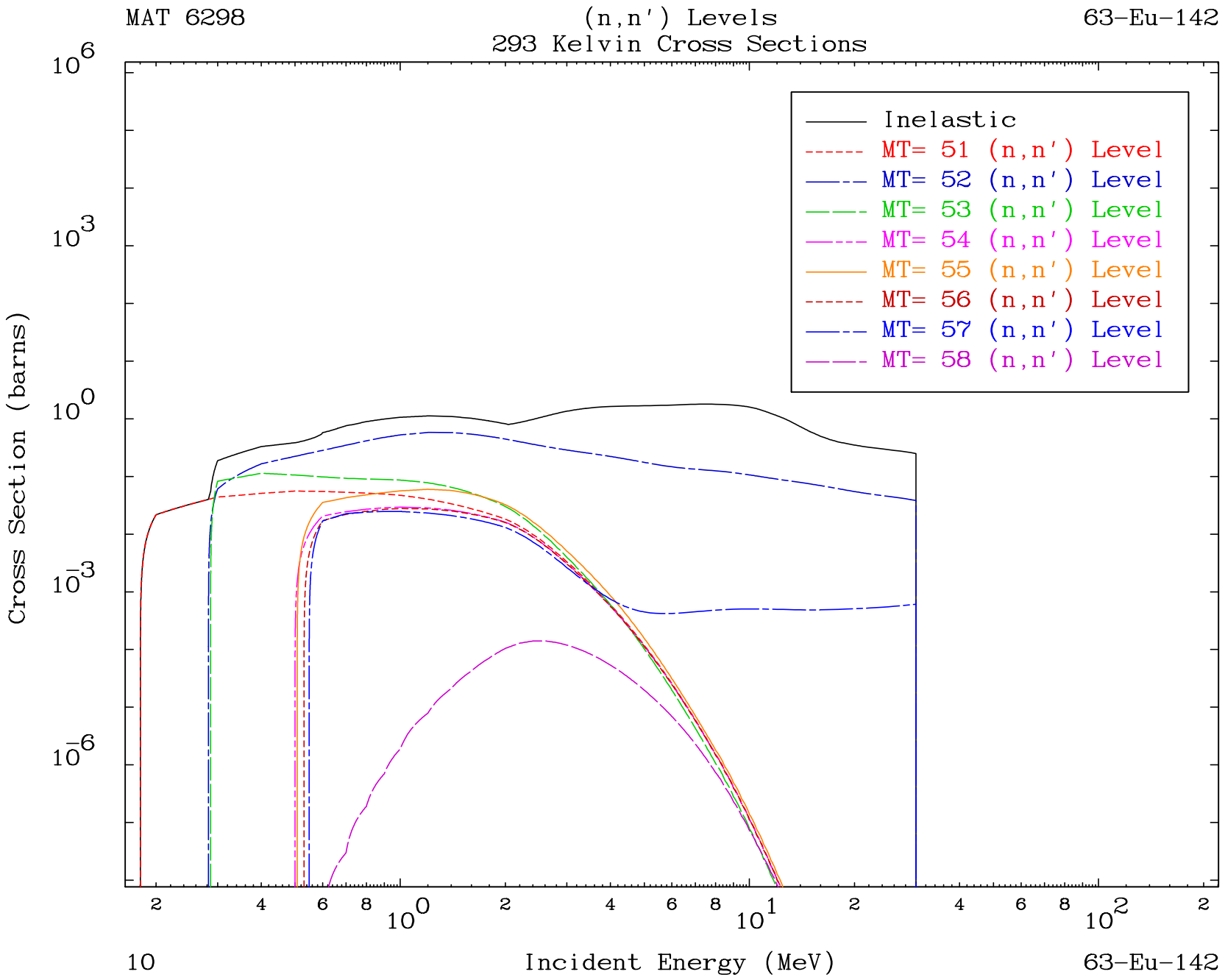

MAT 6298
Neutron Absorption
293 Kelvin Cross Sections
63-Eu-142
Cross Section (barns)
Incident Energy (MeV)
63-Eu-142
(n,p) t
(n,d) α
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production

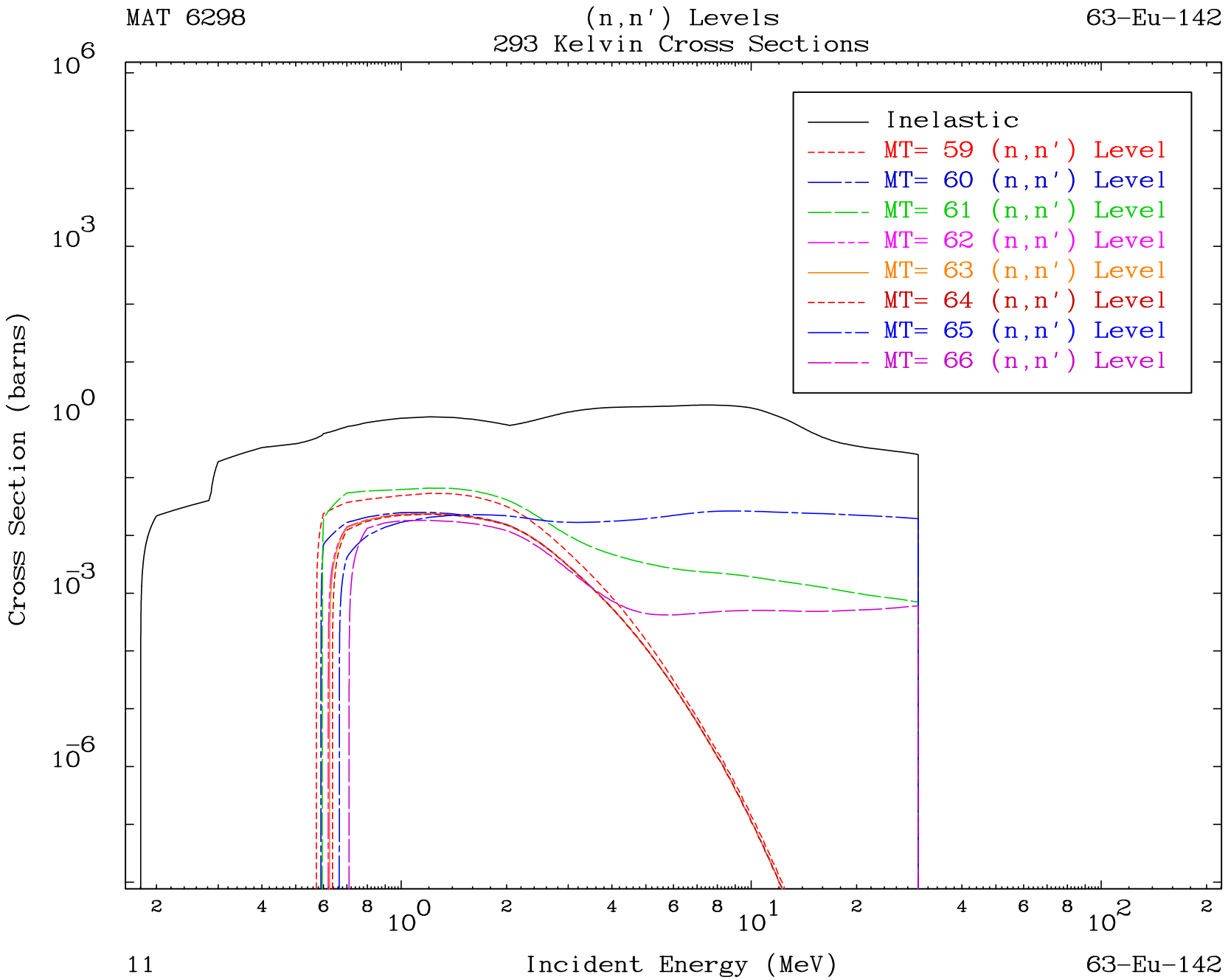

MAT 6298
Charged Particle
293 Kelvin Cross Sections
63-Eu-142
(n,n') α
(n,2n) α
(n,3n) α
(n,n') p
(n,n') 2α
(n,n') d
(n,n') t
(n,n') He-3
Cross Section (barns)
Incident Energy (MeV)
6
63-Eu-142

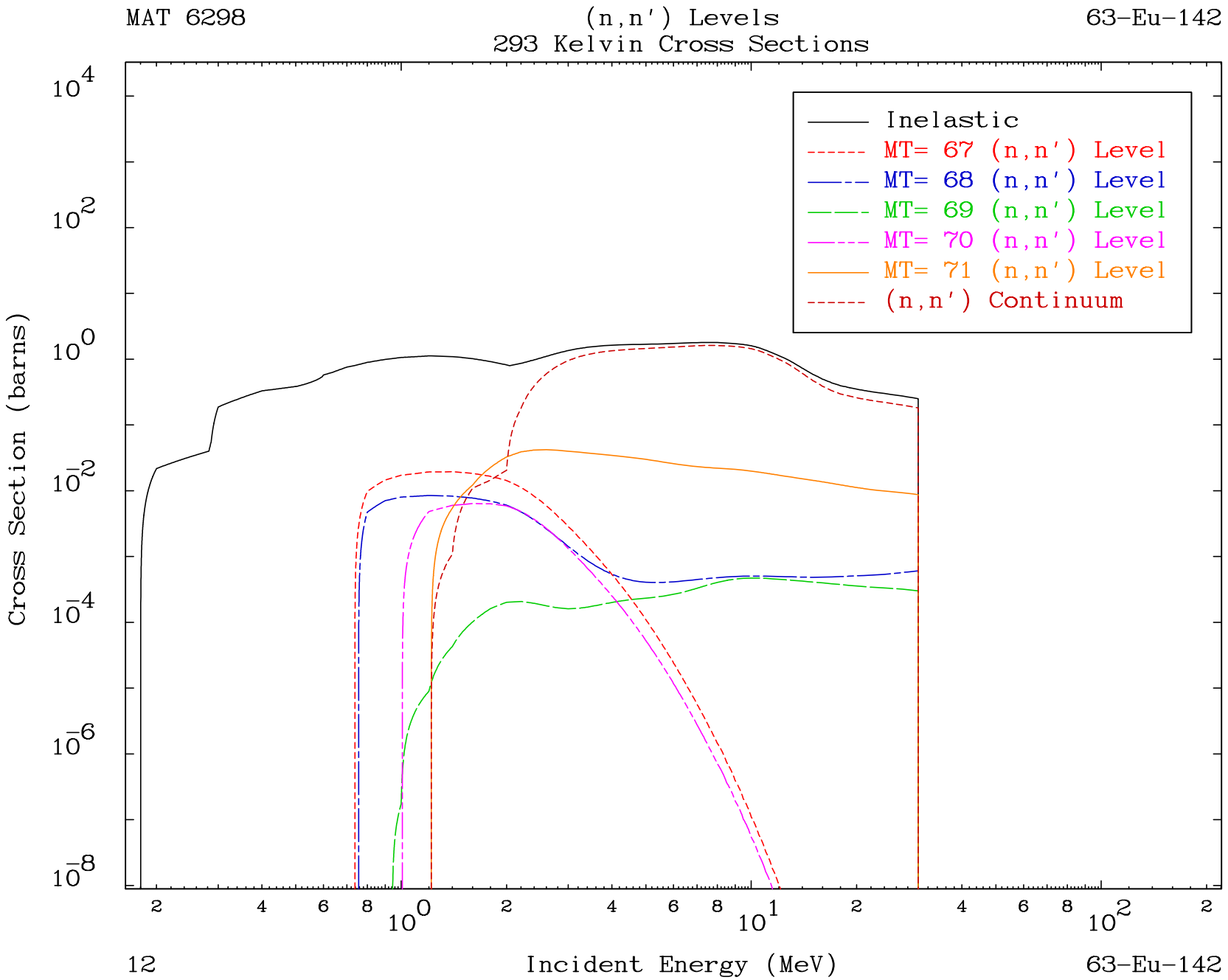

MAT 6298
Charged Particle
293 Kelvin Cross Sections
63-Eu-142
Cross Section (barns)
Incident Energy (MeV)
63-Eu-142
7
(n,n') α
(n,2n) p
(n,3n) p
(n,p)
(n,d)
(n,t)
(n,He-3)
(n,α)
(n,2α)

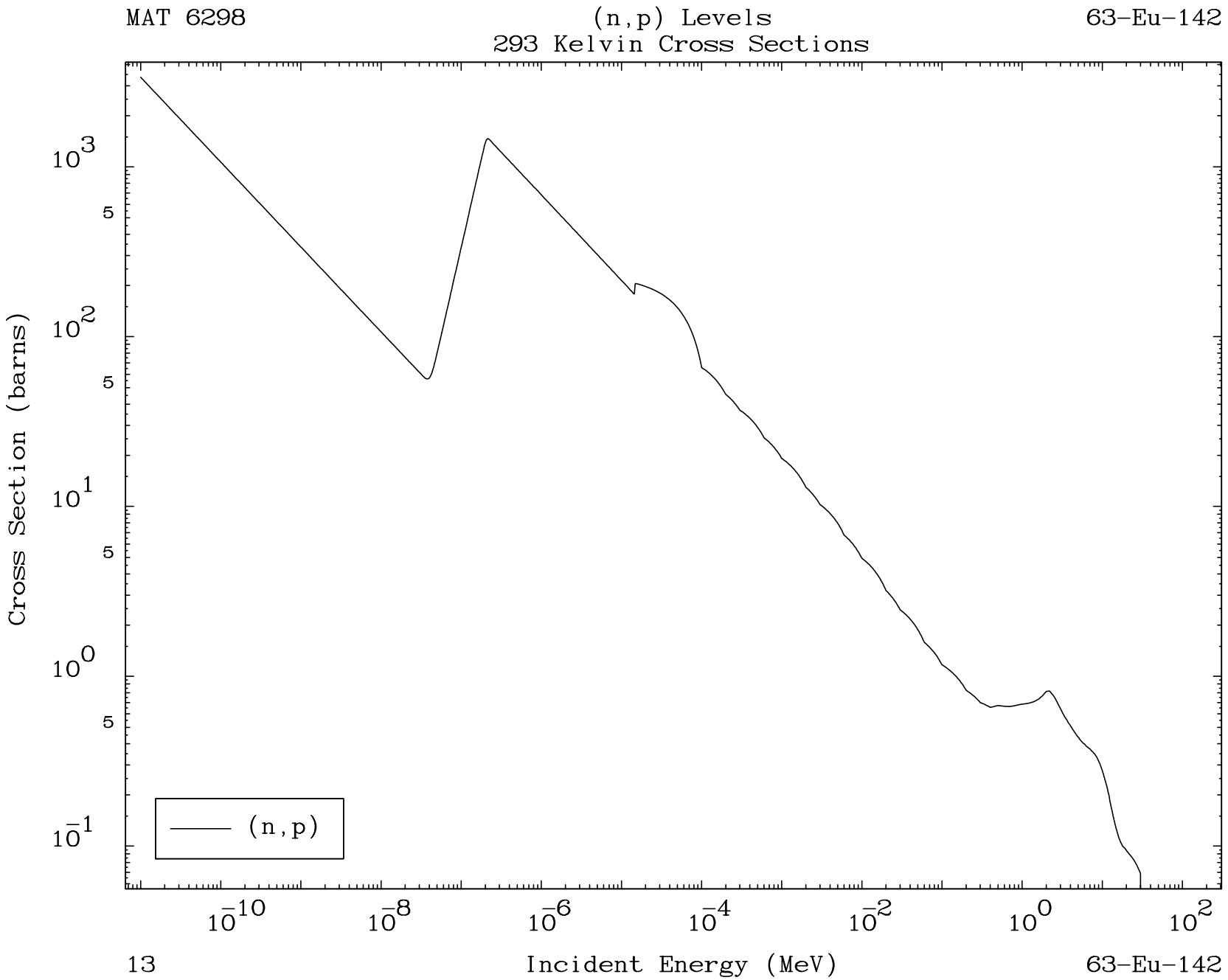

MAT 6298
Charged Particle
293 Kelvin Cross Sections
63-Eu-142
(n,n') α
(n,3α)
(n,2p)
(n,p) α
(n,p) d
(n,p) t
(n,d) α
Cross Section (barns)
Incident Energy (MeV)
8
63-Eu-142

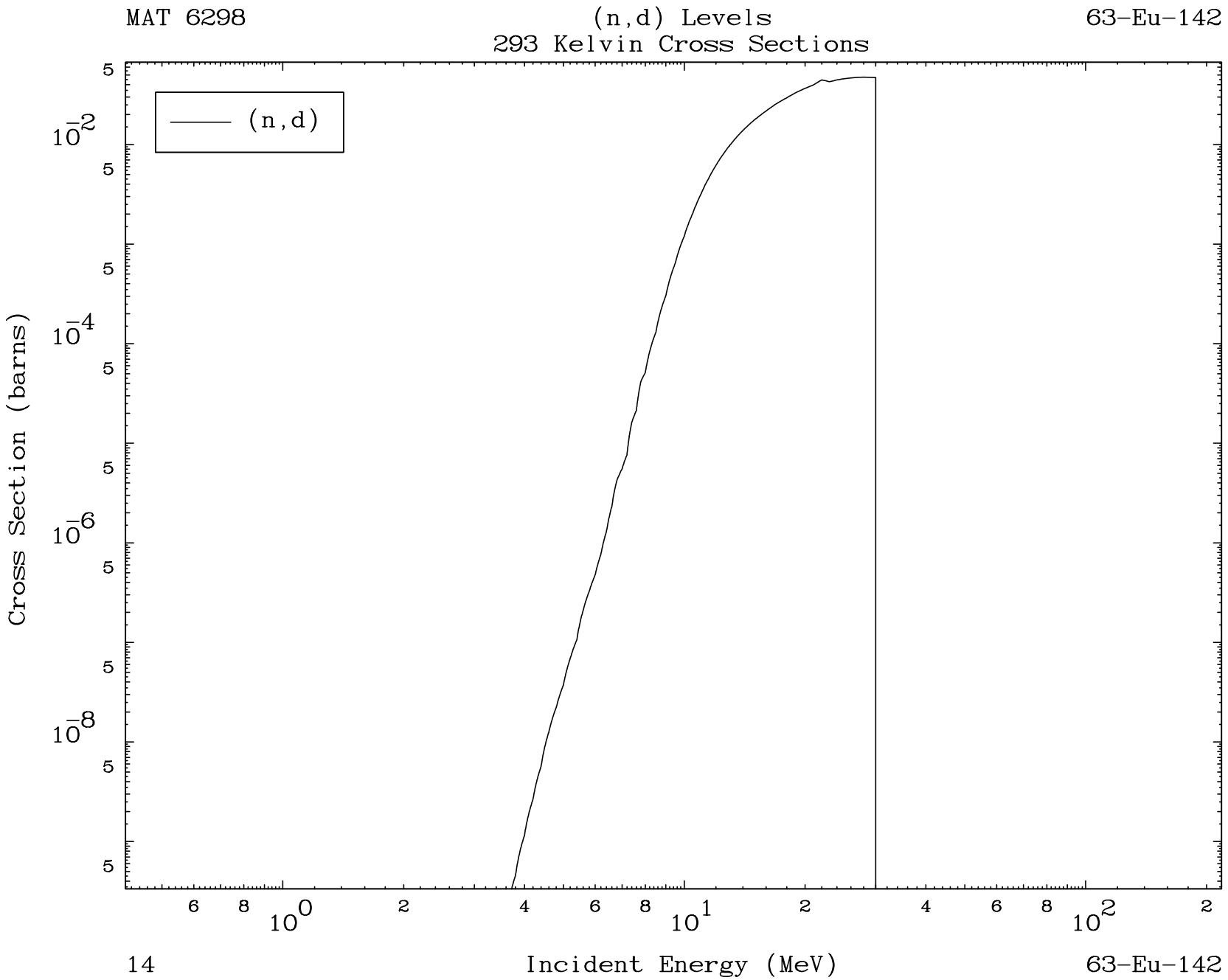

MAT 6298
Particle Production
63-Eu-142
293 Kelvin Cross Sections
Cross Section (barns)
Incident Energy (MeV)
Hydrogen Production
Deuterium Production
Tritium Production
He-3 Production
He-4 Production
9
63-Eu-142

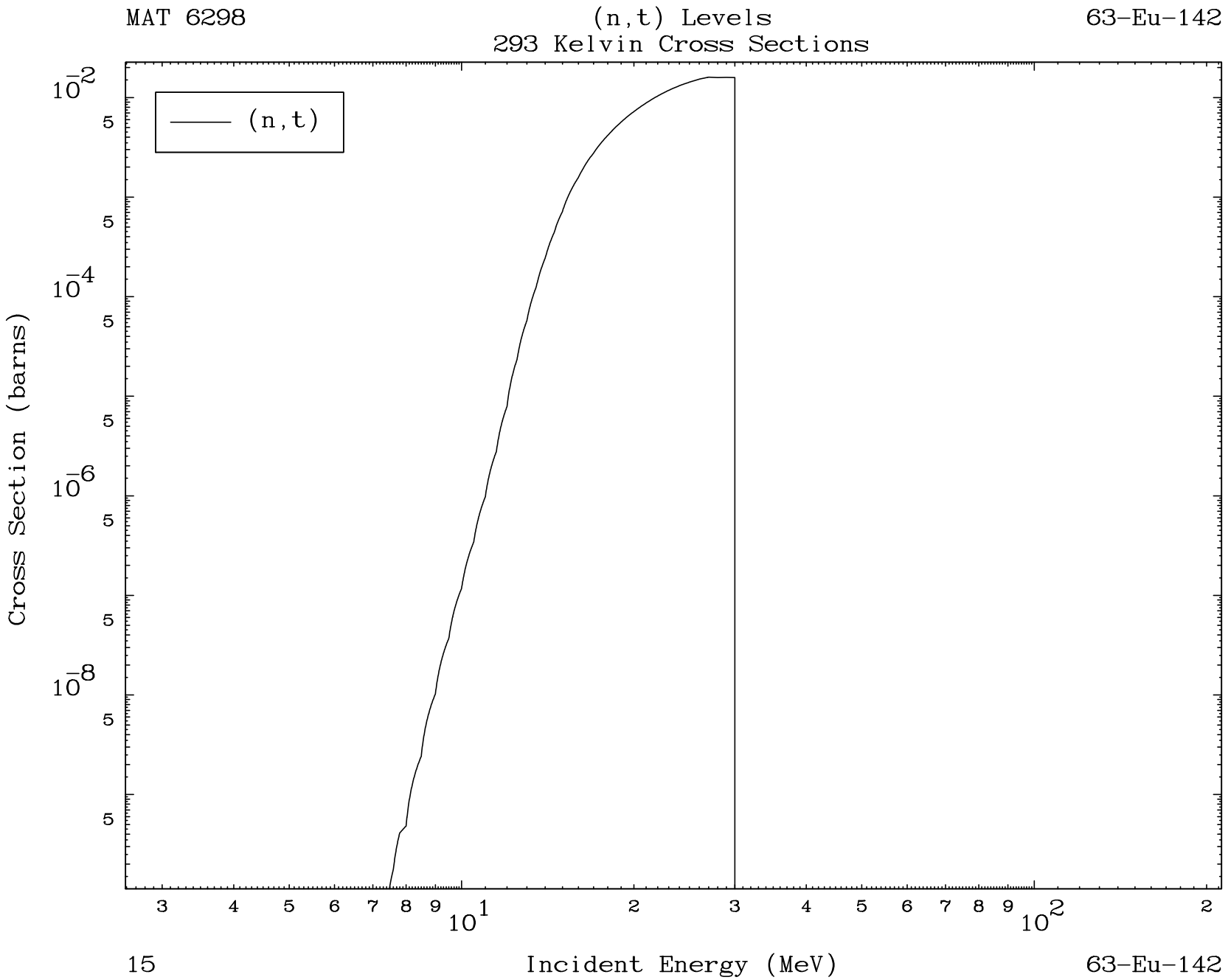

MAT 6298
(n,n') Levels
293 Kelvin Cross Sections
63-Eu-142
Inelastic
MT= 51 (n,n') Level
MT= 52 (n,n') Level
MT= 53 (n,n') Level
MT= 54 (n,n') Level
MT= 55 (n,n') Level
MT= 56 (n,n') Level
MT= 57 (n,n') Level
MT= 58 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
63-Eu-142

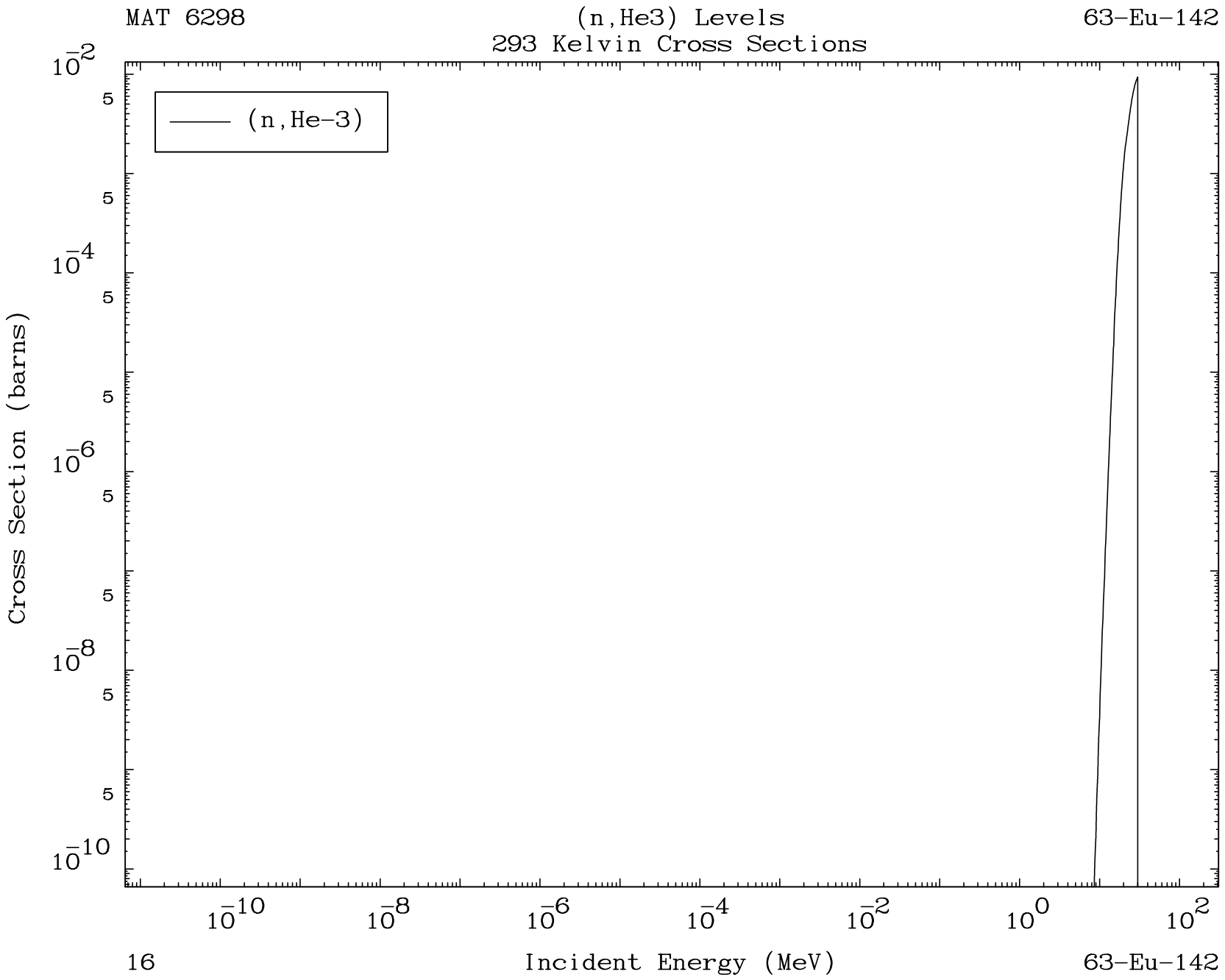

MAT 6298
(n,n') Levels
293 Kelvin Cross Sections
63-Eu-142
Inelastic
MT= 59 (n,n') Level
MT= 60 (n,n') Level
MT= 61 (n,n') Level
MT= 62 (n,n') Level
MT= 63 (n,n') Level
MT= 64 (n,n') Level
MT= 65 (n,n') Level
MT= 66 (n,n') Level
Cross Section (barns)
Incident Energy (MeV)
11
63-Eu-142

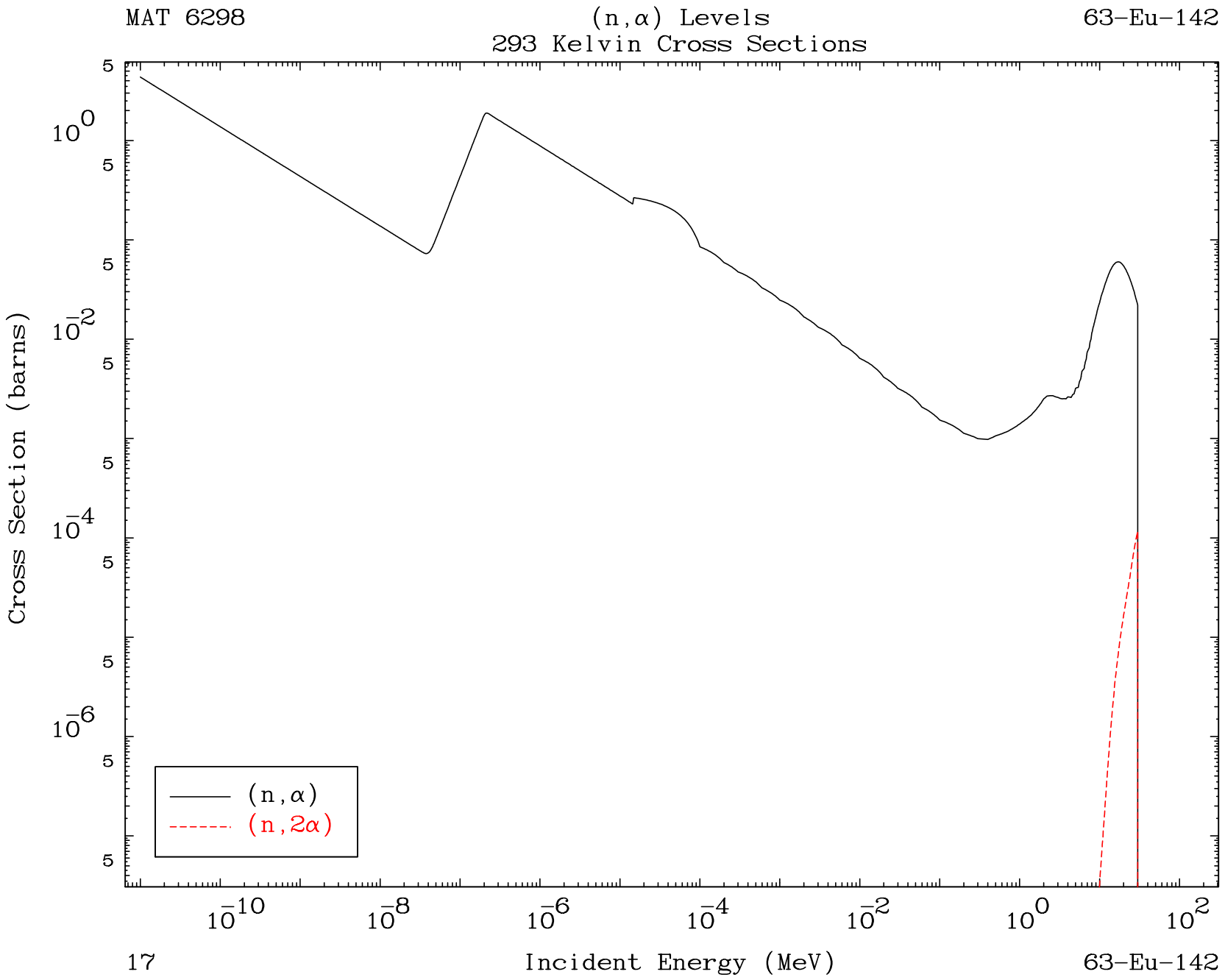

MAT 6298
(n,n') Levels
293 Kelvin Cross Sections
63-Eu-142
Inelastic
MT= 67 (n,n') Level
MT= 68 (n,n') Level
MT= 69 (n,n') Level
MT= 70 (n,n') Level
MT= 71 (n,n') Level
(n,n') Continuum
Cross Section (barns)
Incident Energy (MeV)
12
63-Eu-142

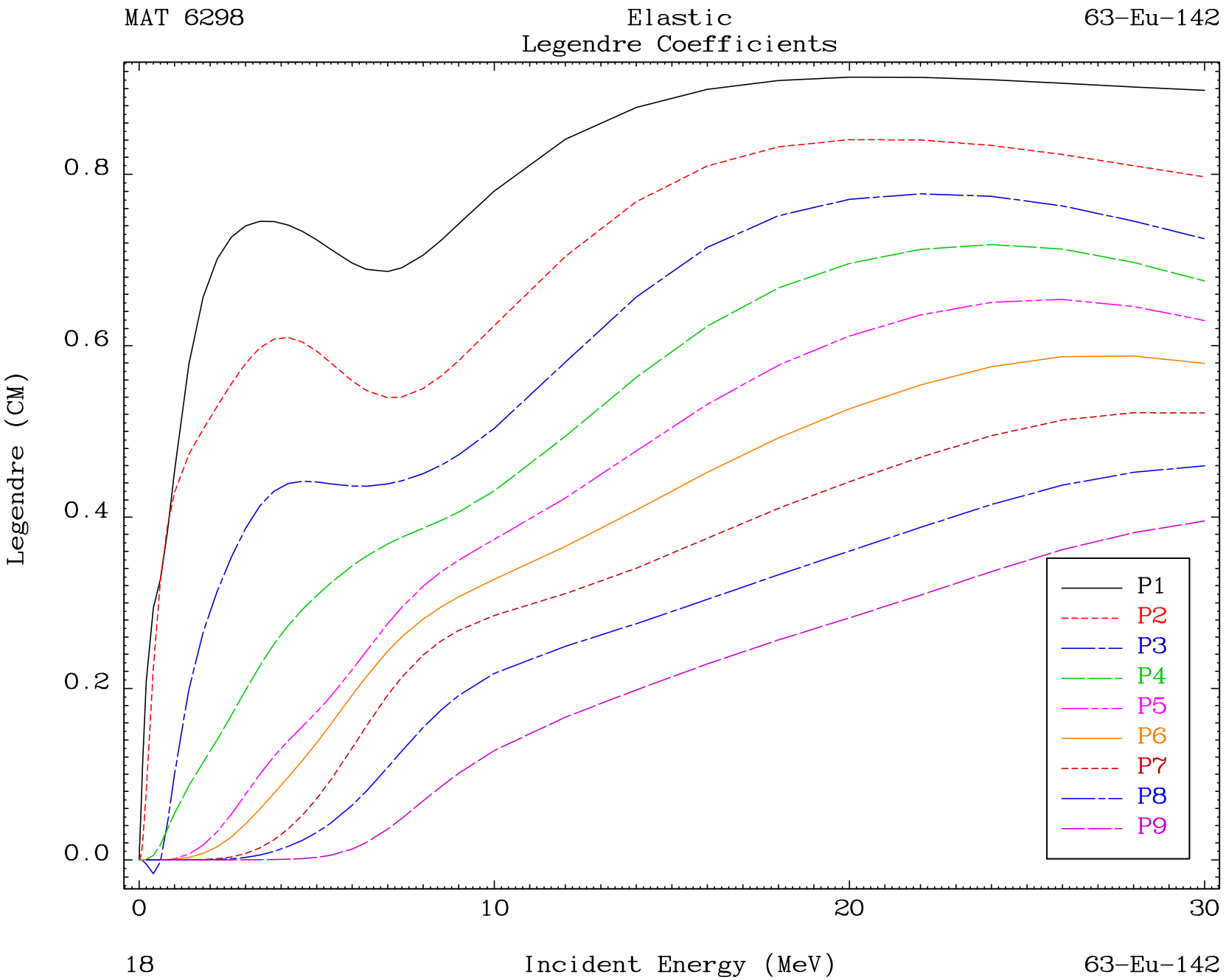

MAT 6298
(n,p) Levels
63-Eu-142
293 Kelvin Cross Sections
Cross Section (barns)
10^3
5
10^2
5
10^1
5
10^0
5
10^-1
(n,p)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
13
Incident Energy (MeV)
63-Eu-142

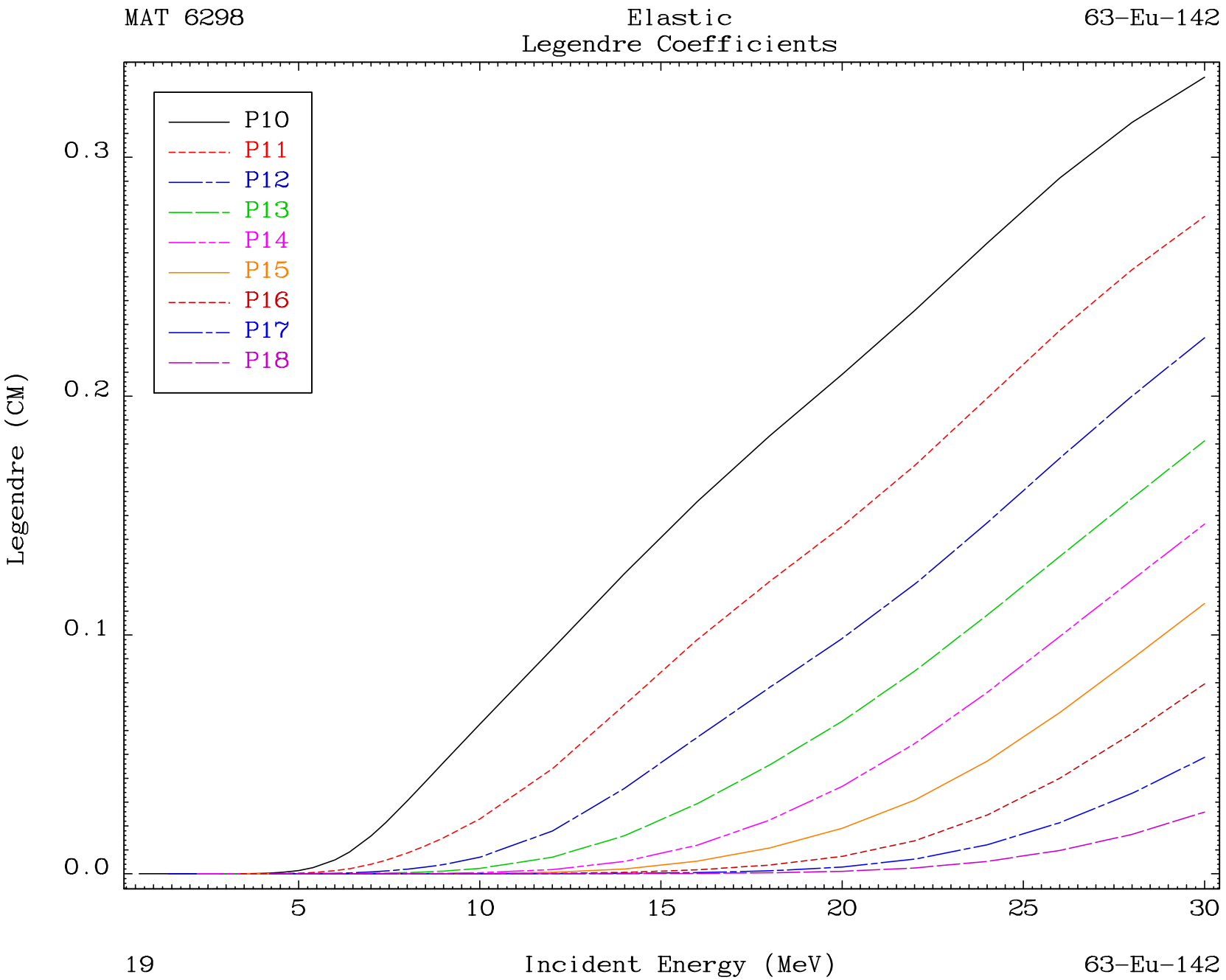

MAT 6298
(n,d) Levels
63-Eu-142
293 Kelvin Cross Sections
(n,d)
Cross Section (barns)
Incident Energy (MeV)
14
63-Eu-142

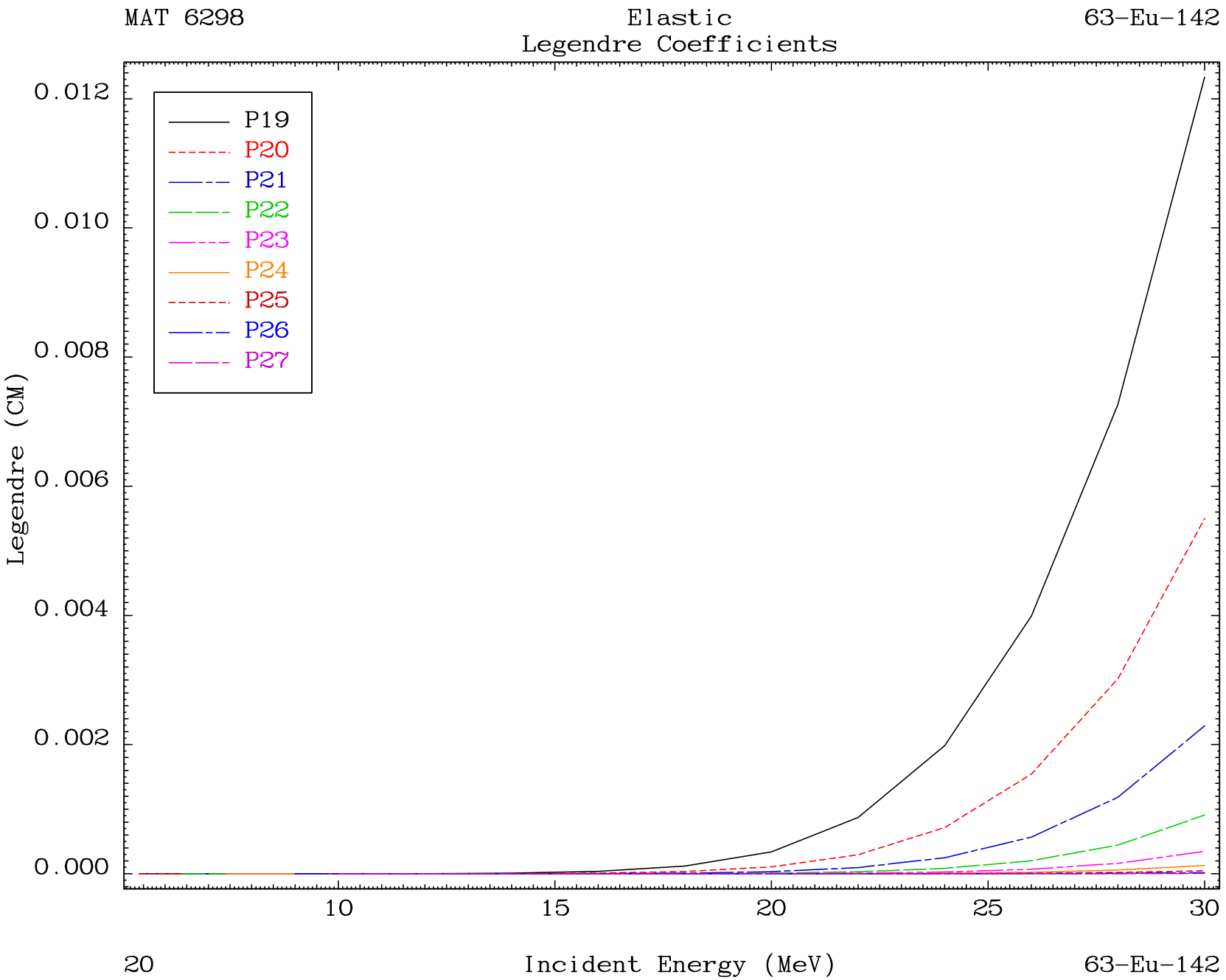

MAT 6298
(n,t) Levels
63-Eu-142
293 Kelvin Cross Sections
(n,t)
Cross Section (barns)
Incident Energy (MeV)
15
63-Eu-142

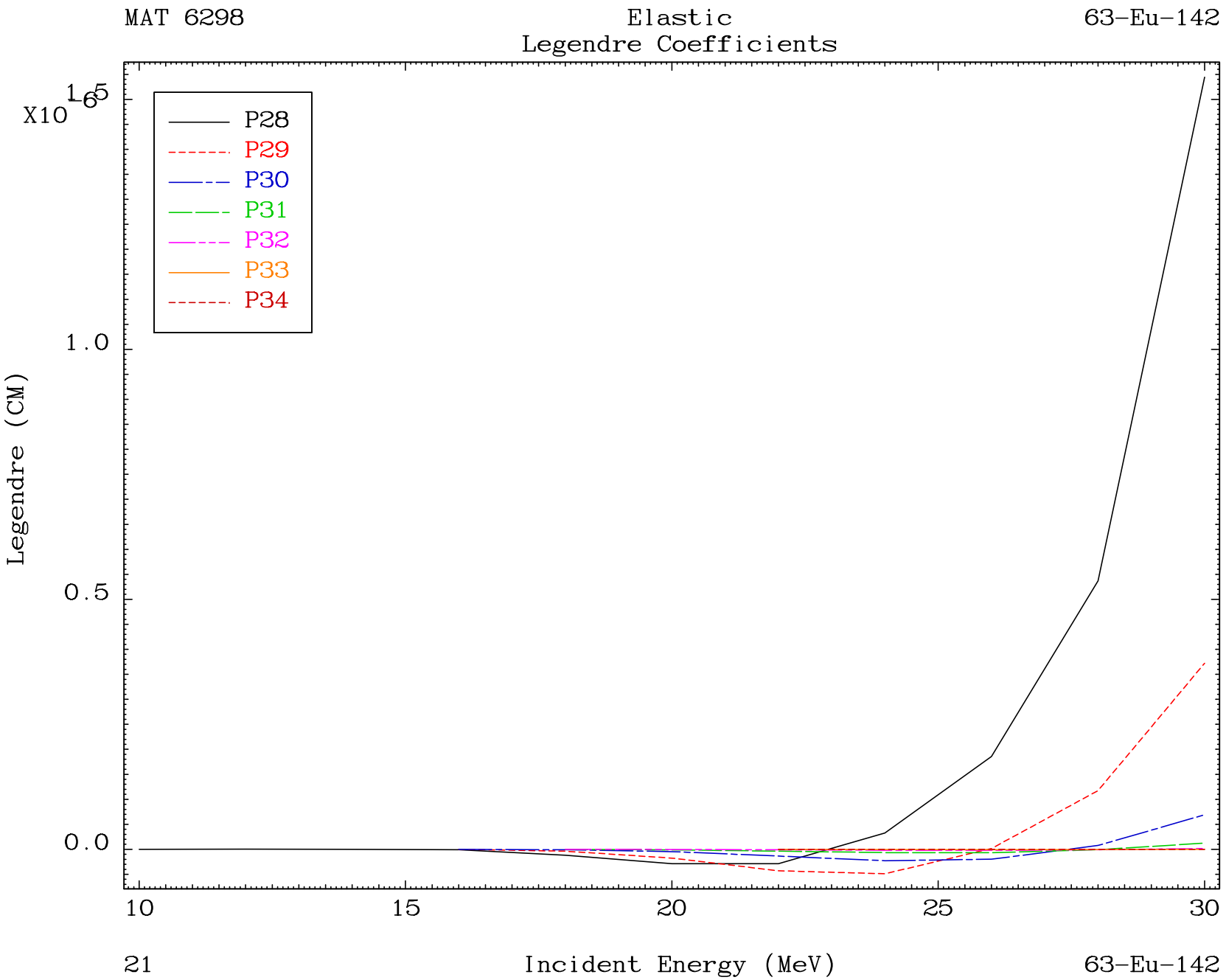

MAT 6298
(n,He3) Levels
63-Eu-142
293 Kelvin Cross Sections
(n,He-3)
Cross Section (barns)
Incident Energy (MeV)
16
63-Eu-142

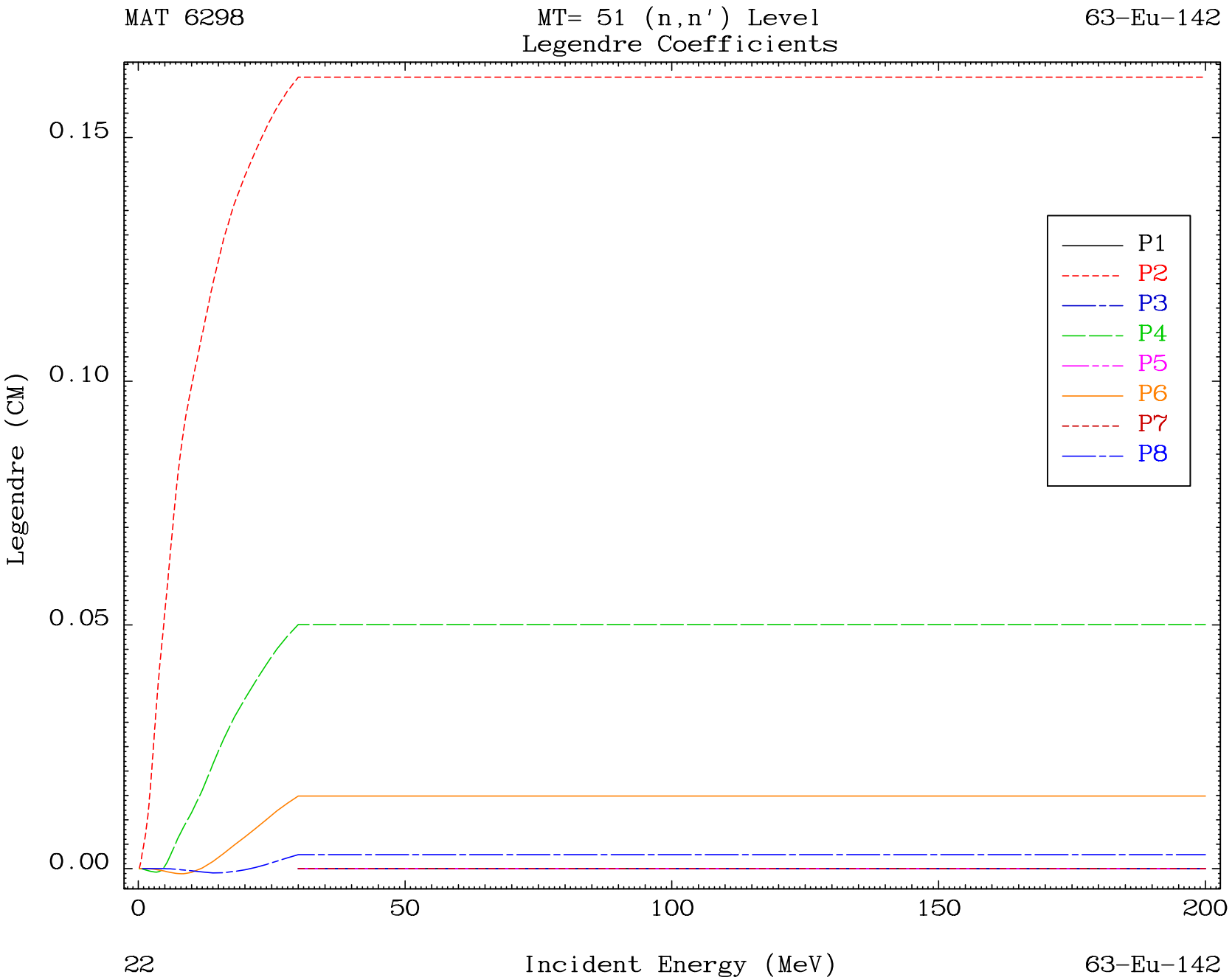

MAT 6298
(n,α) Levels
63-Eu-142
293 Kelvin Cross Sections
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
5
(n,α)
(n,2α)
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
17
Incident Energy (MeV)
63-Eu-142

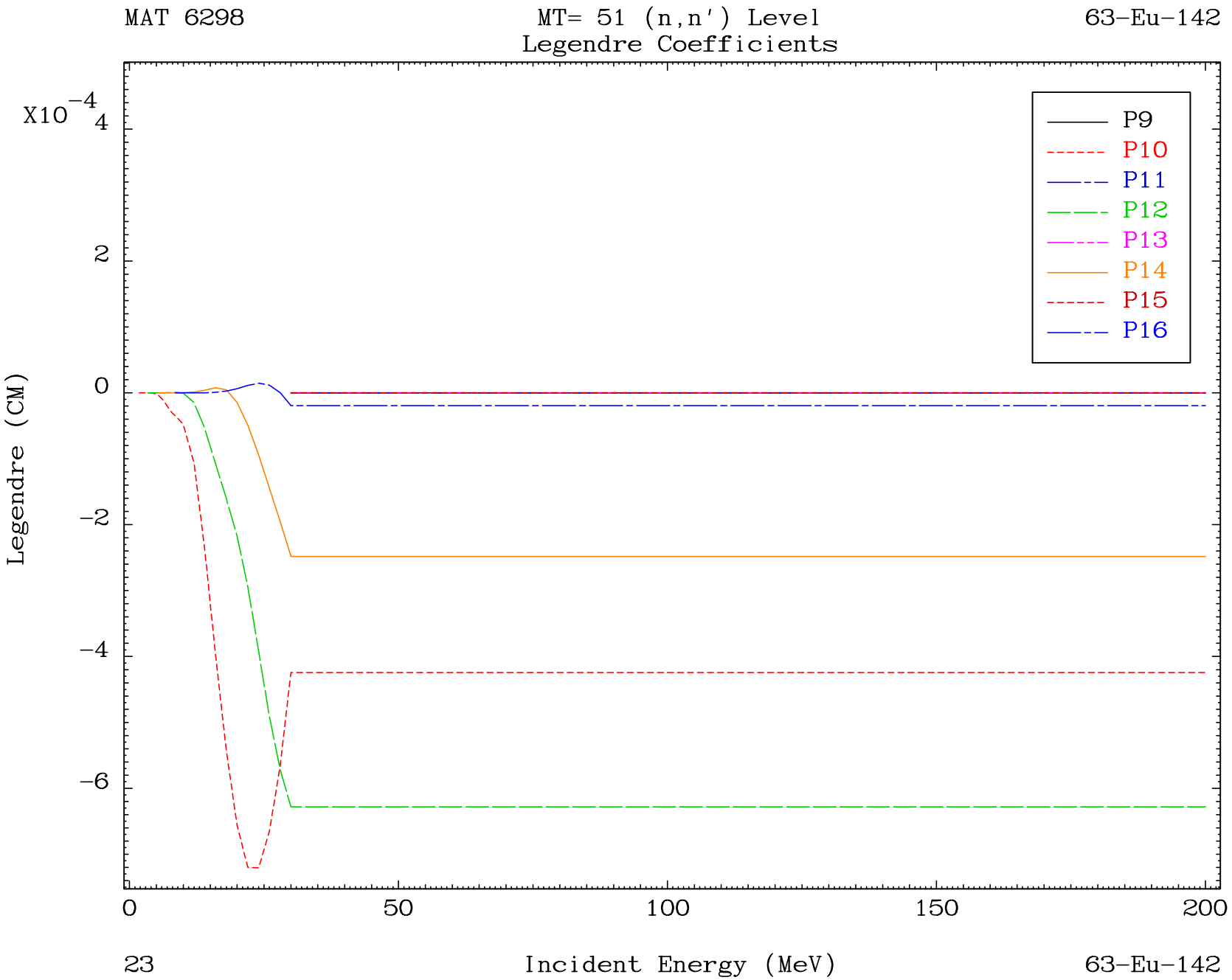

MAT 6298
Elastic
Legendre Coefficients
63-Eu-142
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
0
10
20
30
18
Incident Energy (MeV)
63-Eu-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

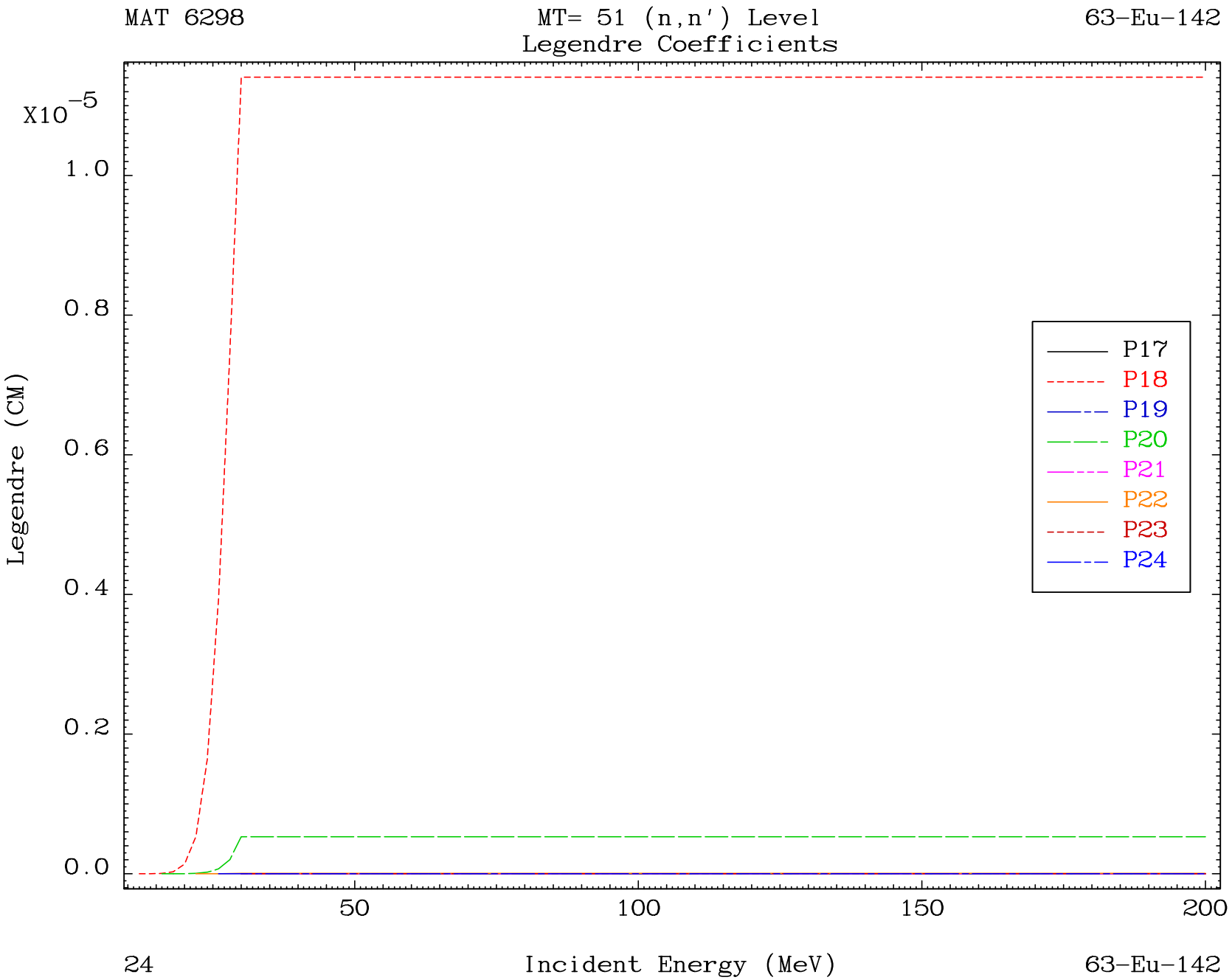

MAT 6298
Elastic
Legendre Coefficients
63-Eu-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
Legendre (CM)
0.0
0.1
0.2
0.3
5
10
15
20
25
30
19
Incident Energy (MeV)
63-Eu-142

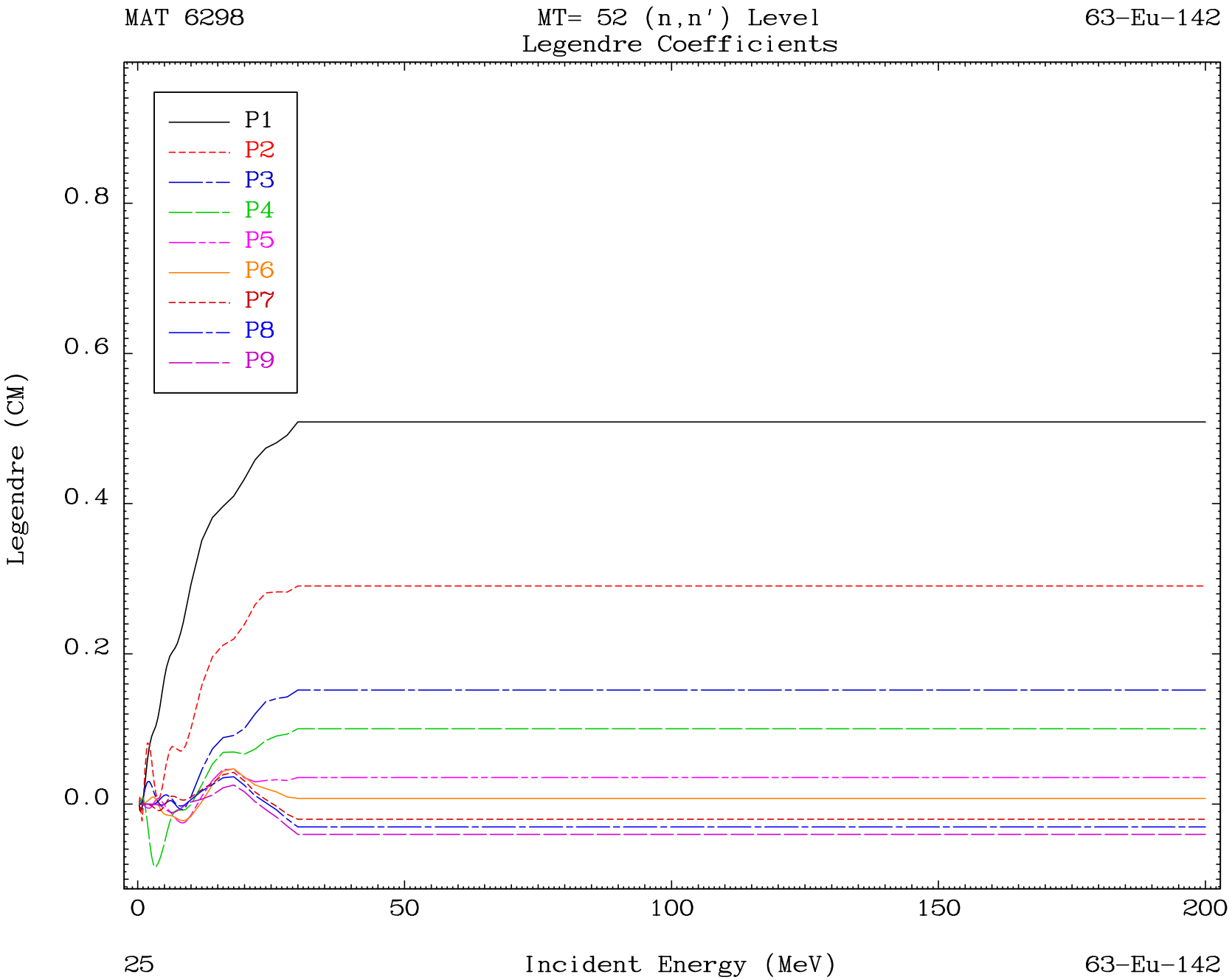

MAT 6298
Elastic
Legendre Coefficients
63-Eu-142
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.012
0.010
0.008
0.006
0.004
0.002
0.000
Legendre (CM)
10
15
20
25
30
20
Incident Energy (MeV)
63-Eu-142

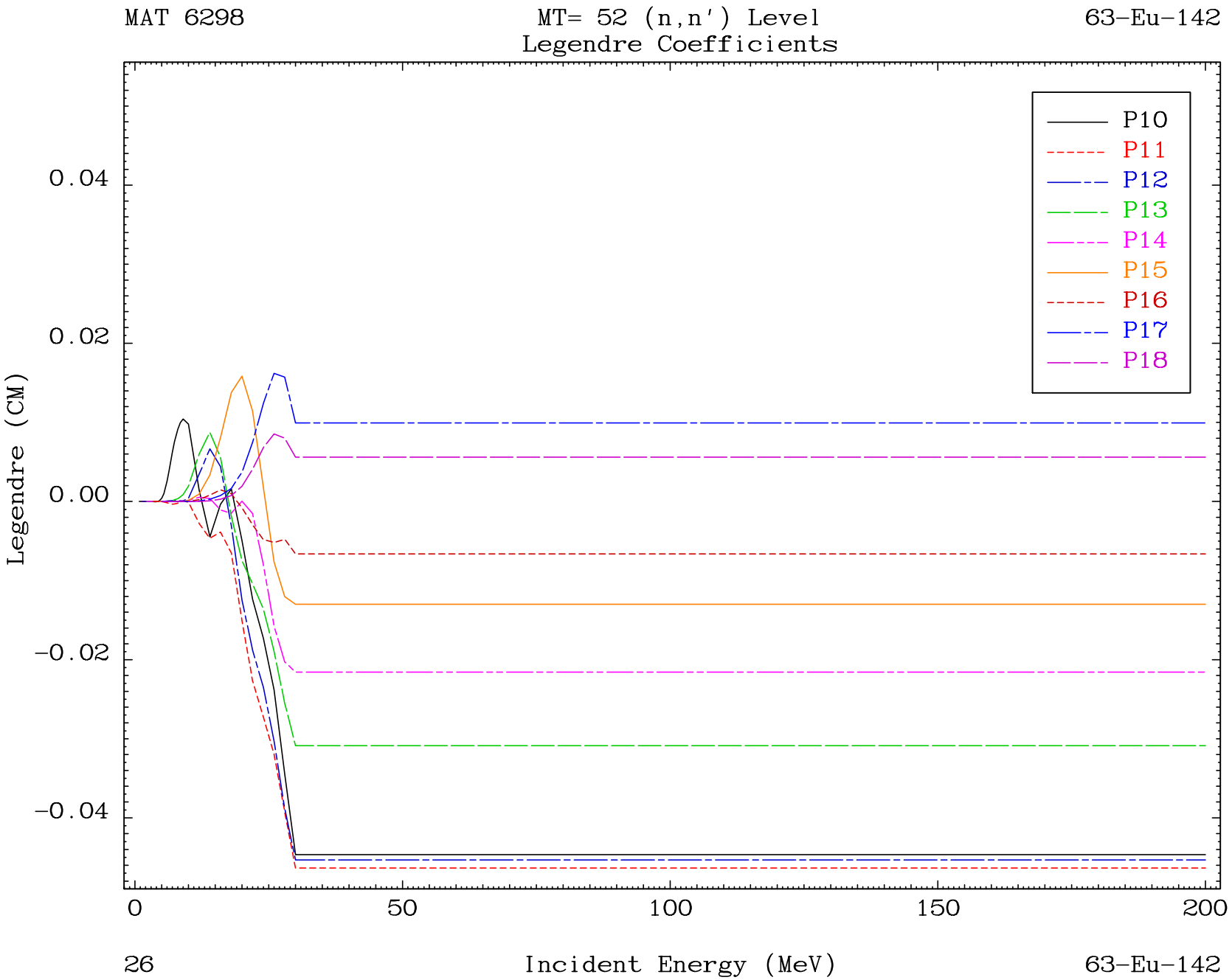

MAT 6298
Elastic
Legendre Coefficients
63-Eu-142
X10 5
1.6
1.0
0.5
0.0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
10
15
20
25
30
21
Incident Energy (MeV)
63-Eu-142

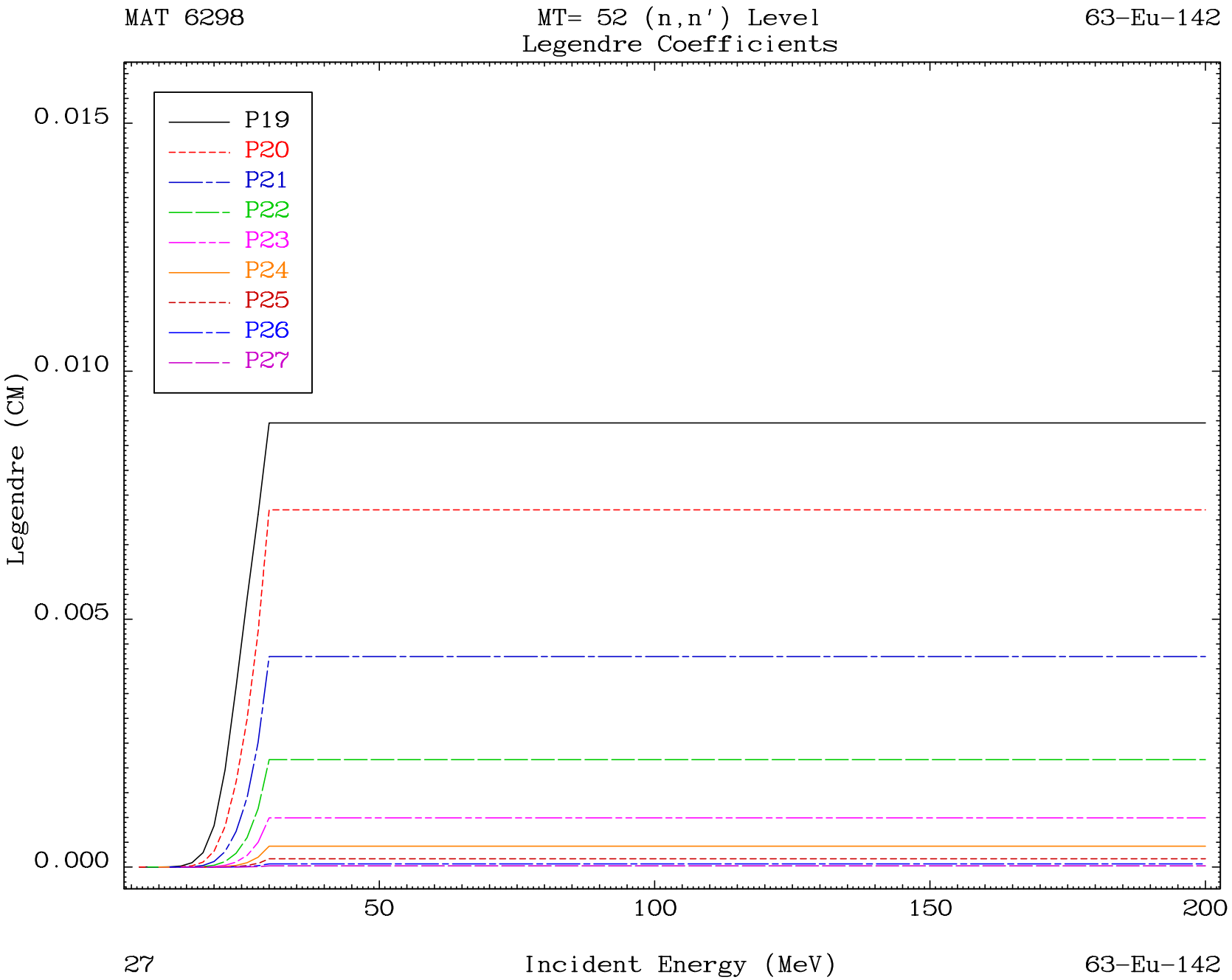

MAT 6298
MT= 51 (n,n') Level
Legendre Coefficients
63-Eu-142
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
22
Incident Energy (MeV)
63-Eu-142

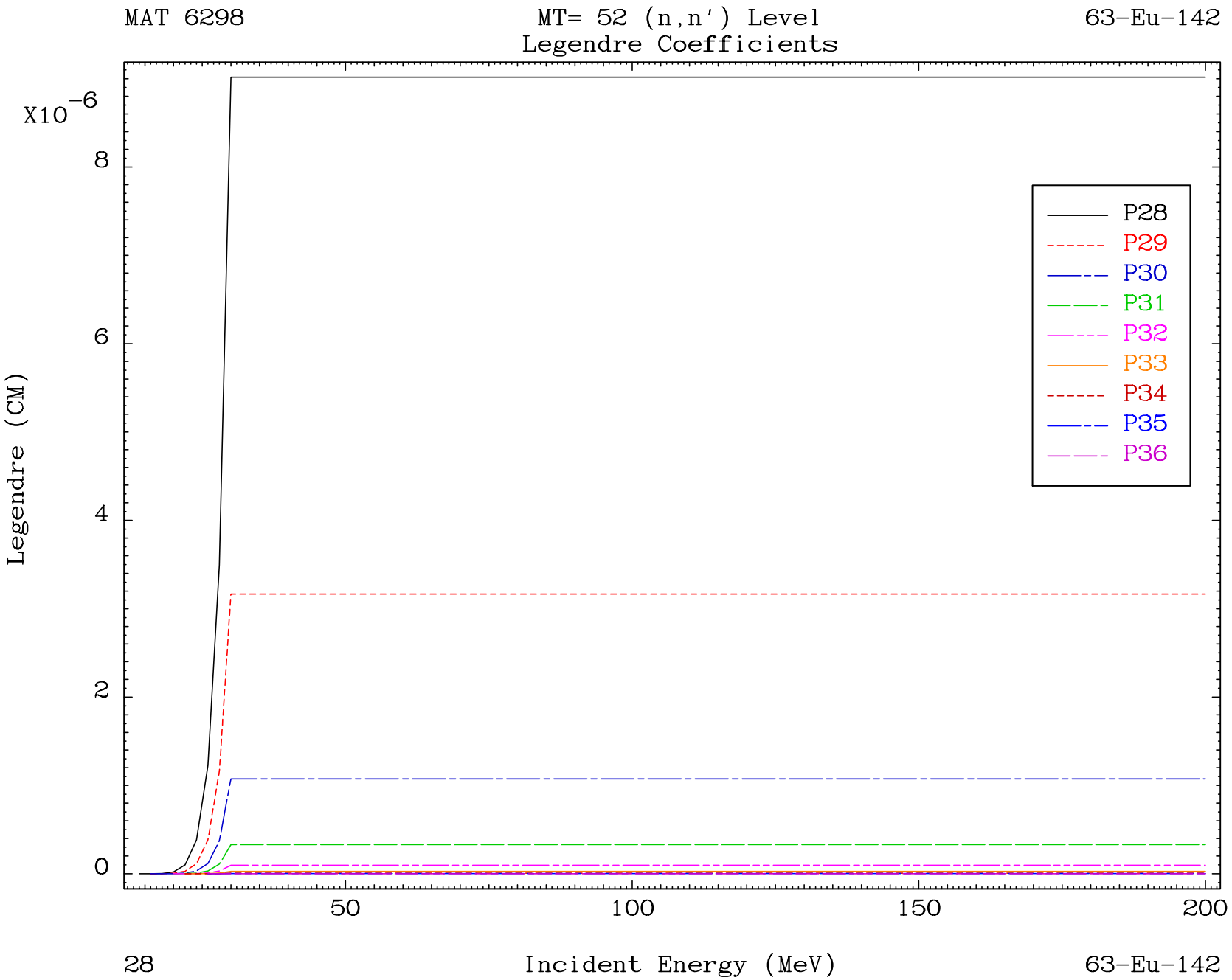

MAT 6298
MT= 51 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-4
4
2
0
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
23
Incident Energy (MeV)
63-Eu-142

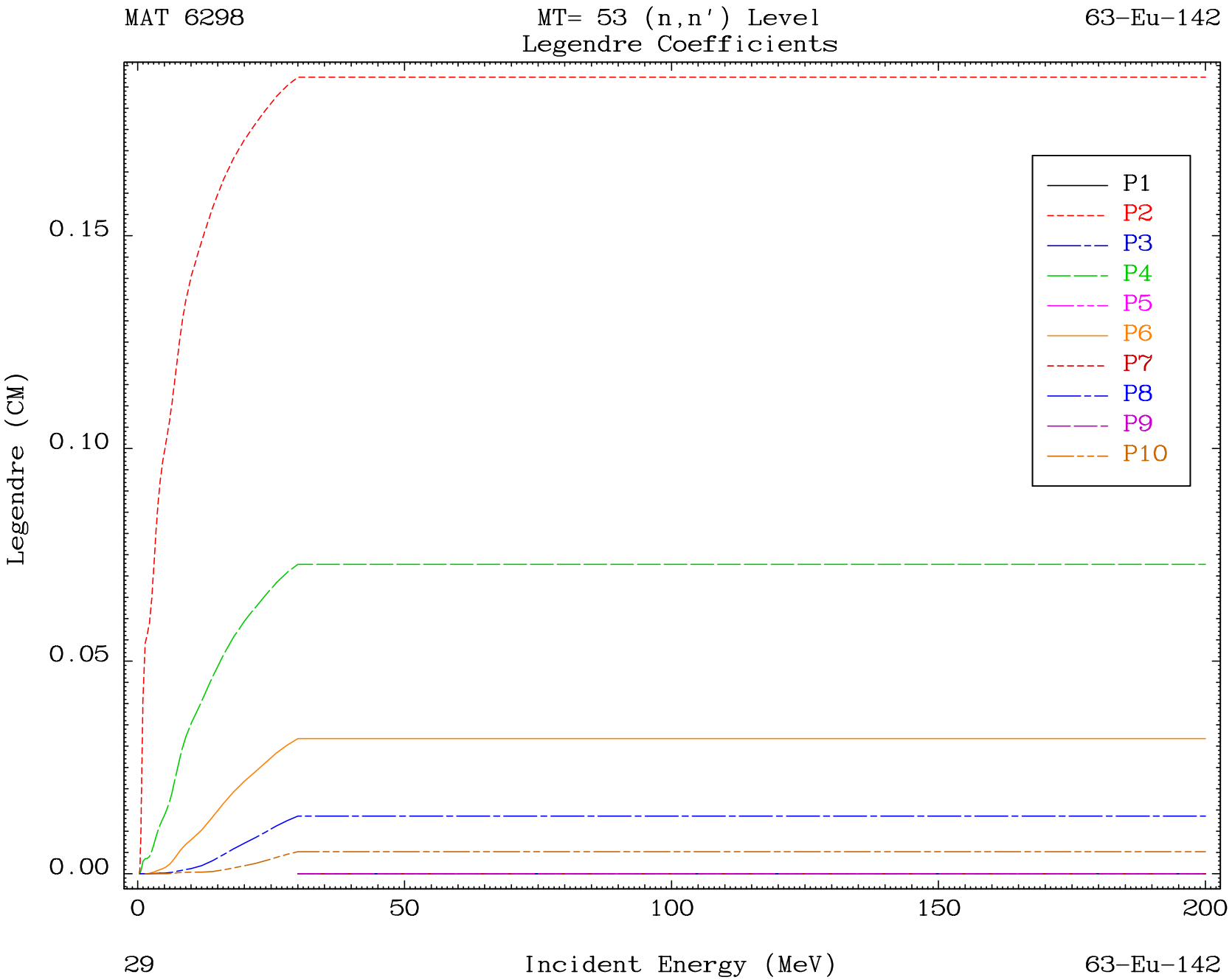

MAT 6298
MT= 51 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
P17
P18
P19
P20
P21
P22
P23
P24
24
Incident Energy (MeV)
63-Eu-142

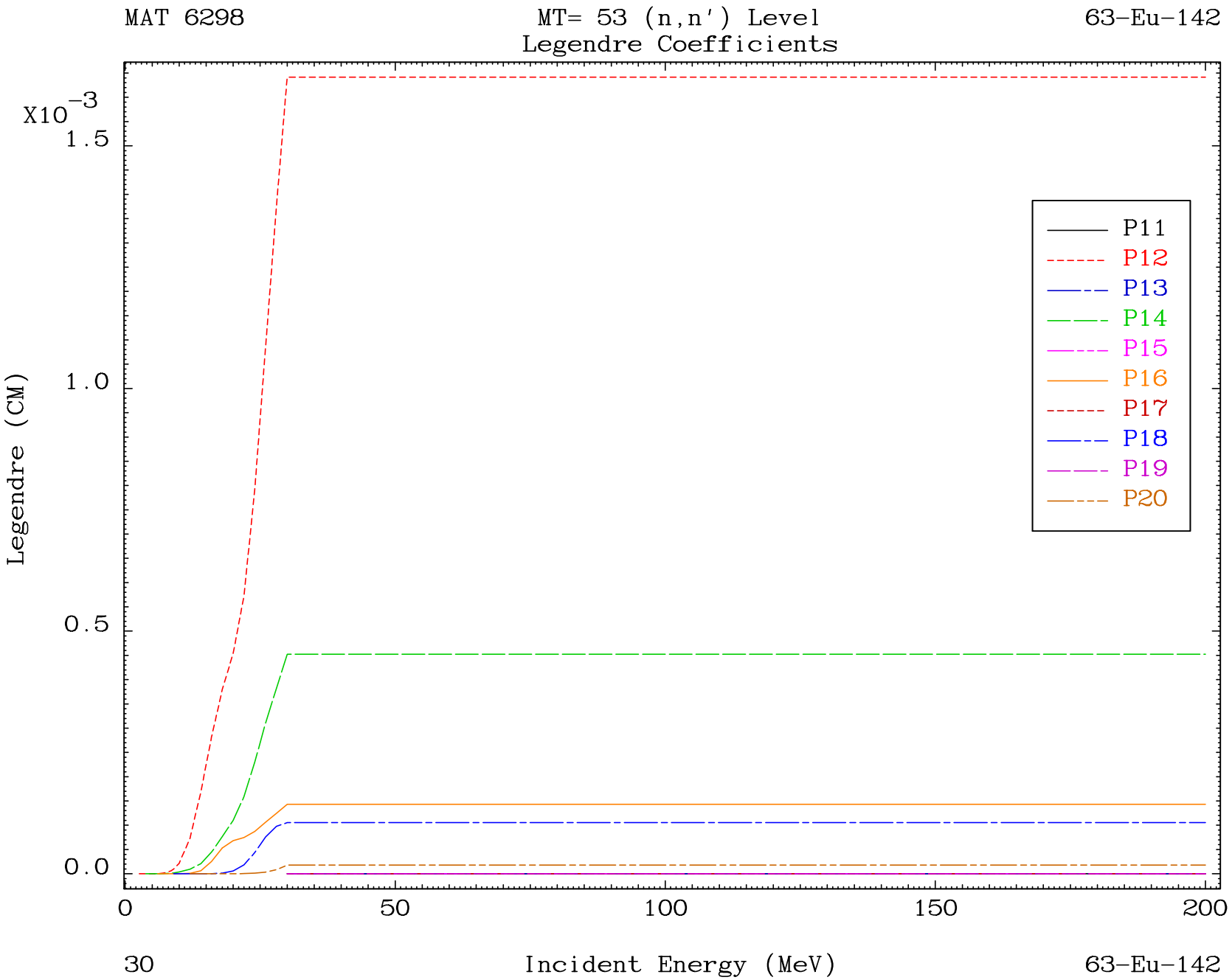

MAT 6298
MT= 52 (n,n') Level
Legendre Coefficients
63-Eu-142
P1
P2
P3
P4
P5
P6
P7
P8
P9
Legendre (CM)
0.8
0.6
0.4
0.2
0.0
0
50
100
150
200
25
Incident Energy (MeV)
63-Eu-142

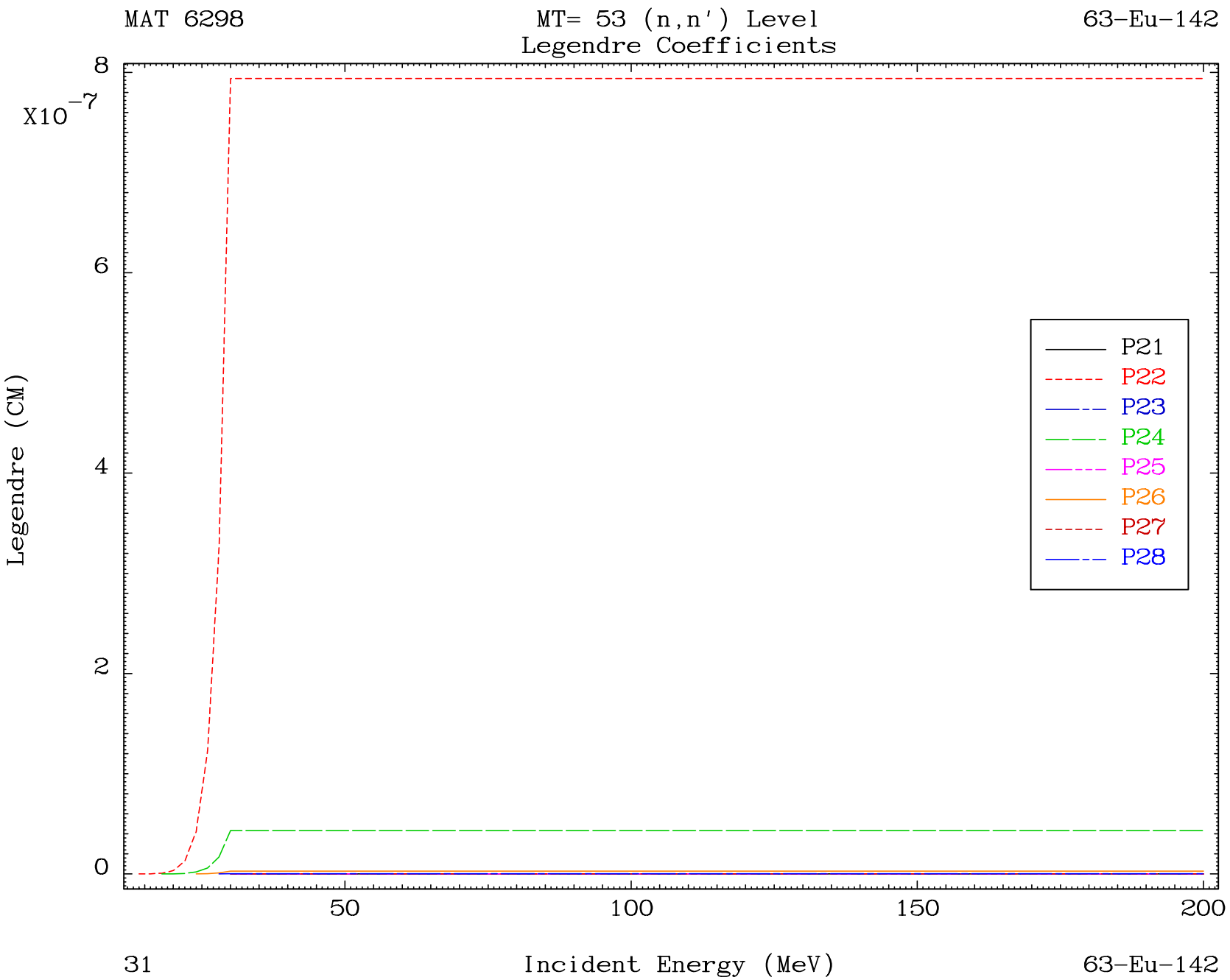

MAT 6298
MT= 52 (n,n') Level
Legendre Coefficients
63-Eu-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
26
Incident Energy (MeV)
63-Eu-142

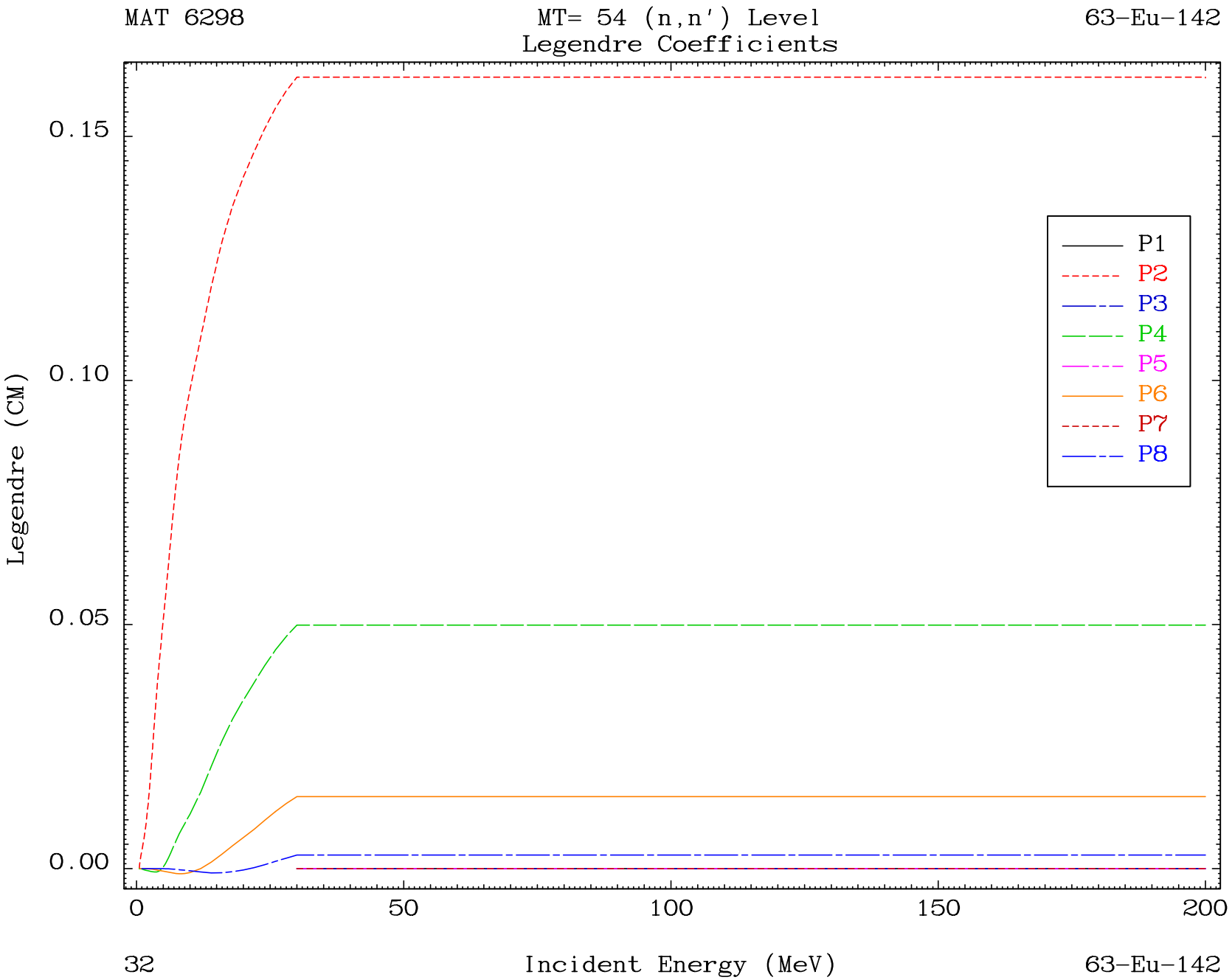

MAT 6298
MT= 52 (n,n') Level
Legendre Coefficients
63-Eu-142
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
27
Incident Energy (MeV)
63-Eu-142

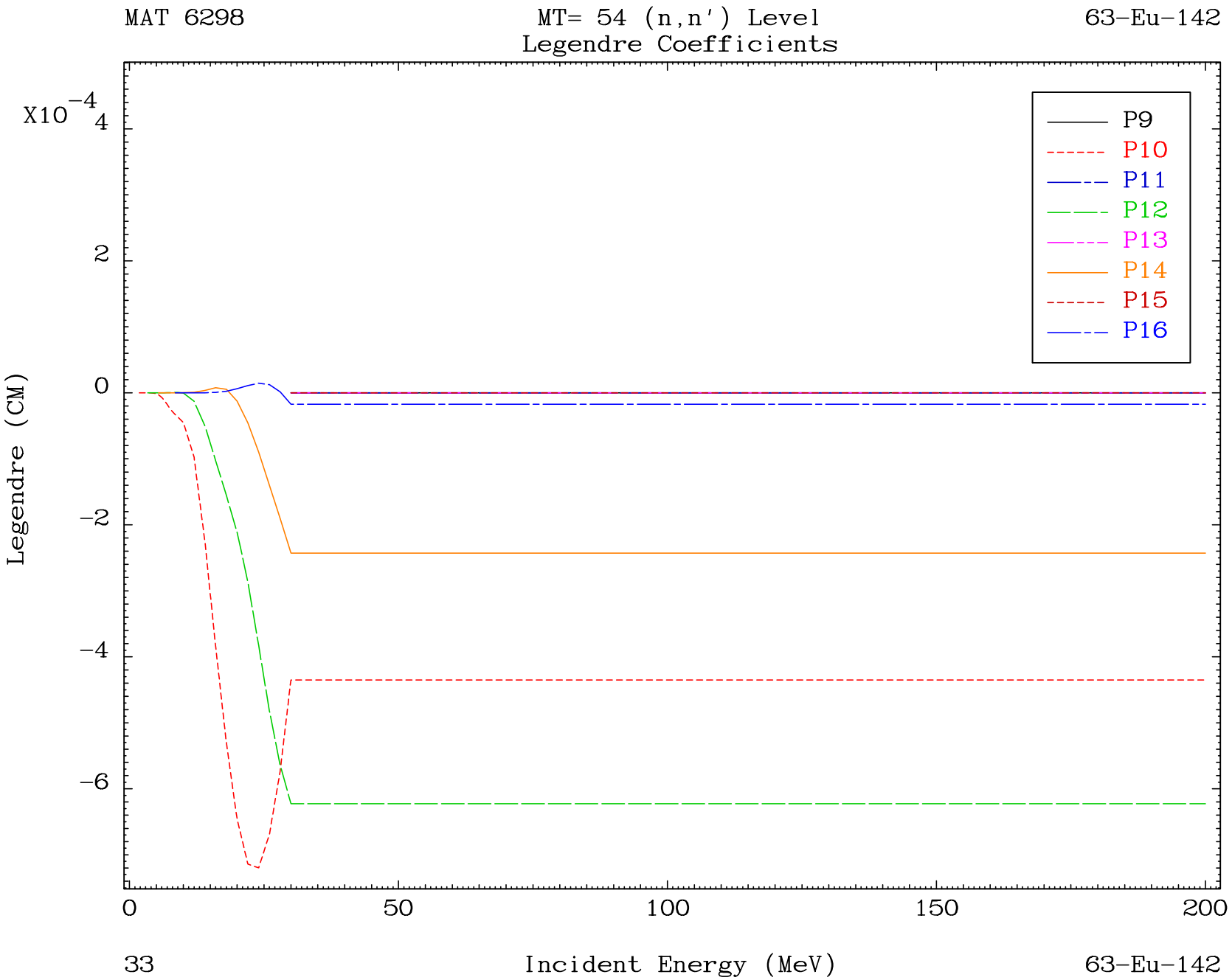

MAT 6298
MT= 52 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-6
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
28
Incident Energy (MeV)
63-Eu-142

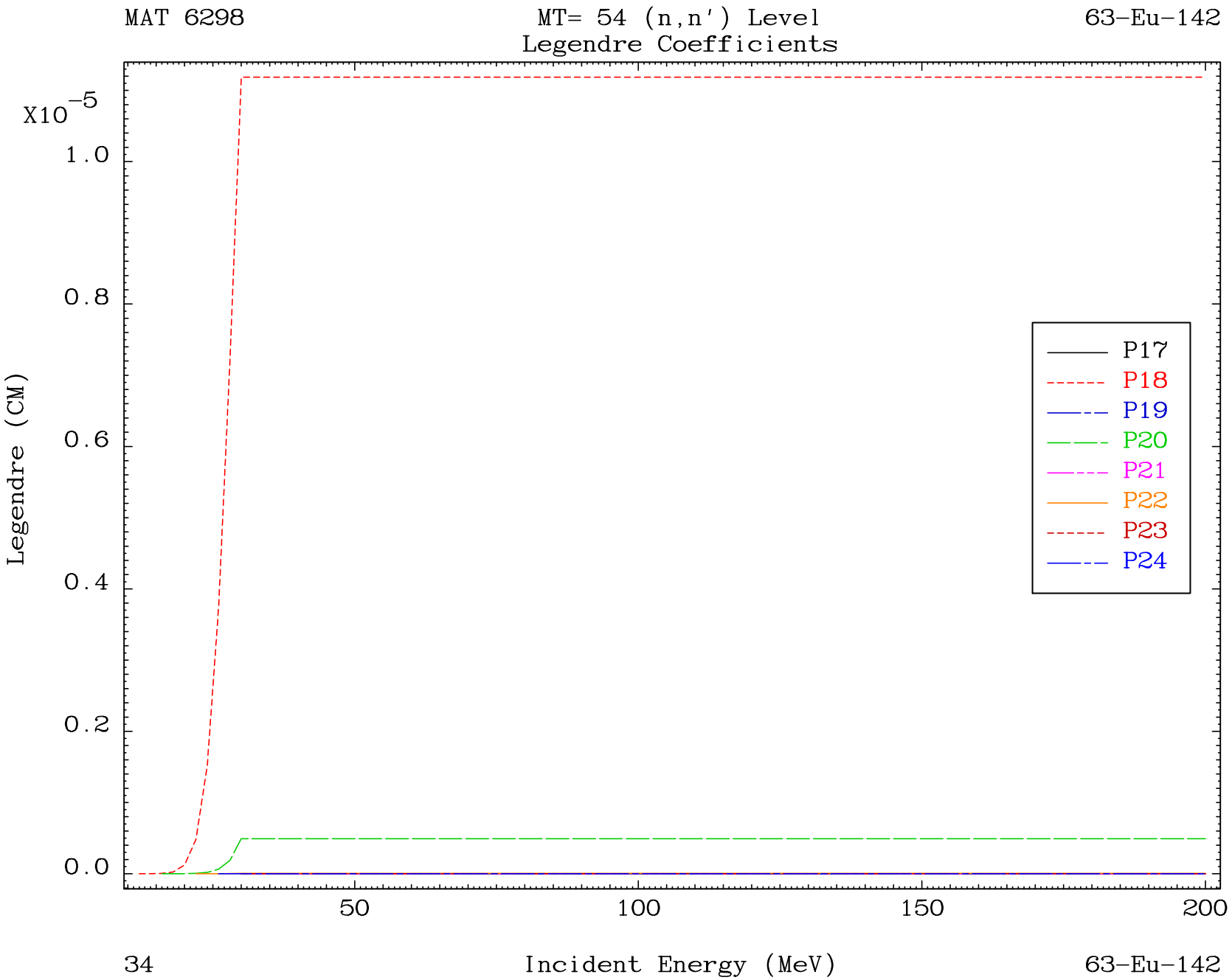

MAT 6298
MT= 53 (n,n') Level
Legendre Coefficients
63-Eu-142
Legendre (CM)
0.15
0.10
0.05
0.00
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
29
Incident Energy (MeV)
63-Eu-142

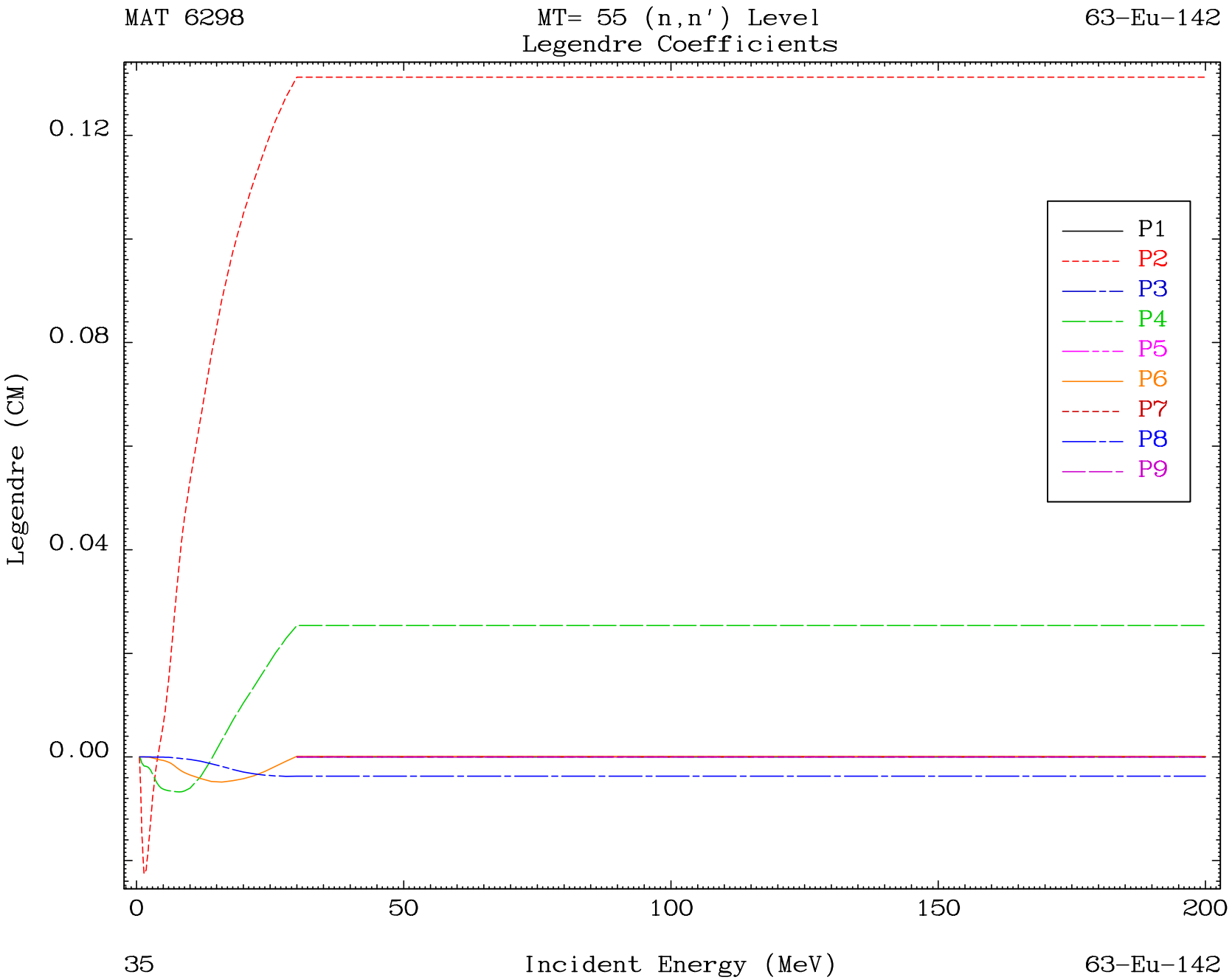

MAT 6298
MT= 53 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-3
1.5
1.0
0.5
0.0
Legendre (CM)
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
0
50
100
150
200
30
Incident Energy (MeV)
63-Eu-142

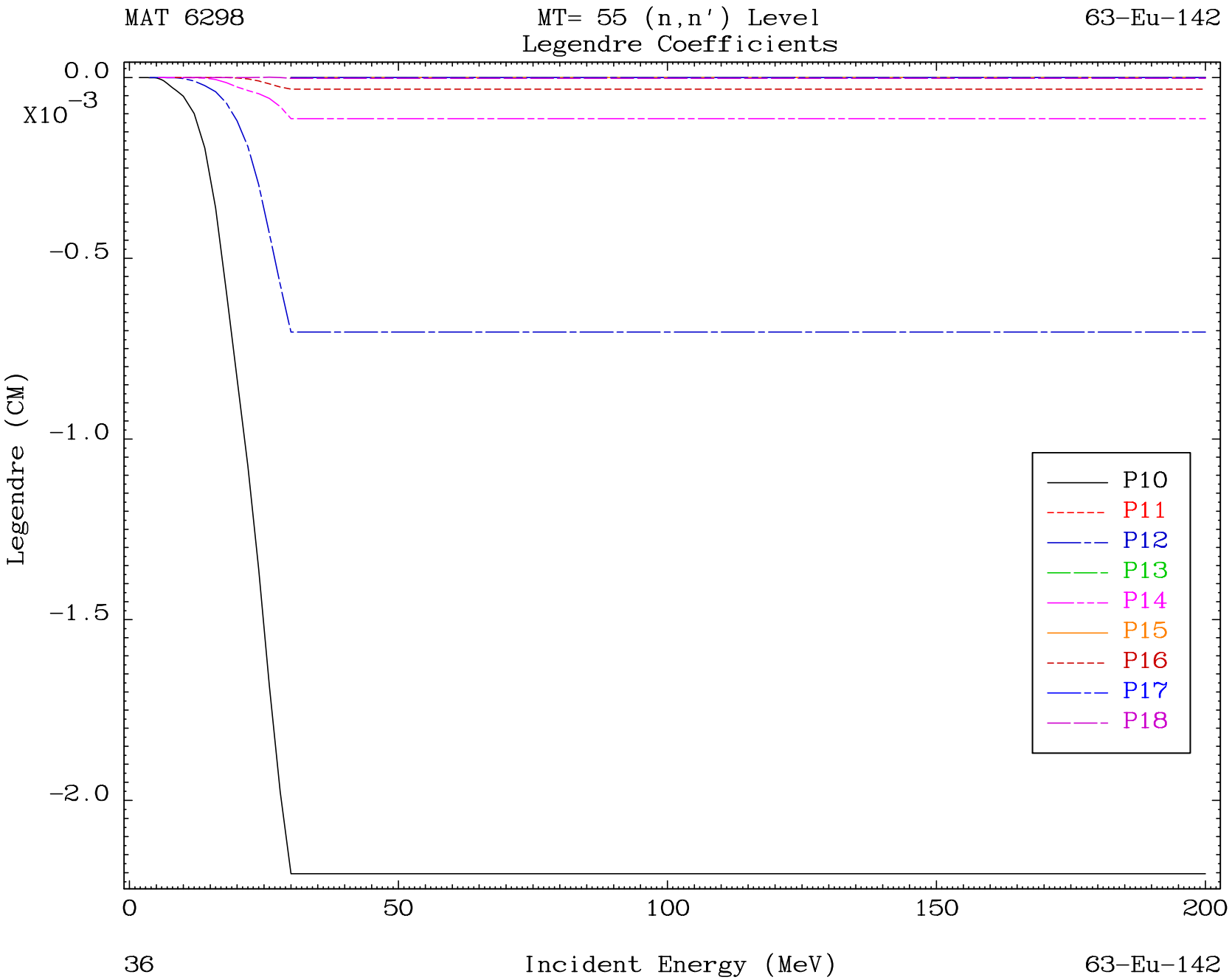

MAT 6298
MT= 53 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-7
8
6
4
2
0
Legendre (CM)
50
100
150
200
P21
P22
P23
P24
P25
P26
P27
P28
31
Incident Energy (MeV)
63-Eu-142

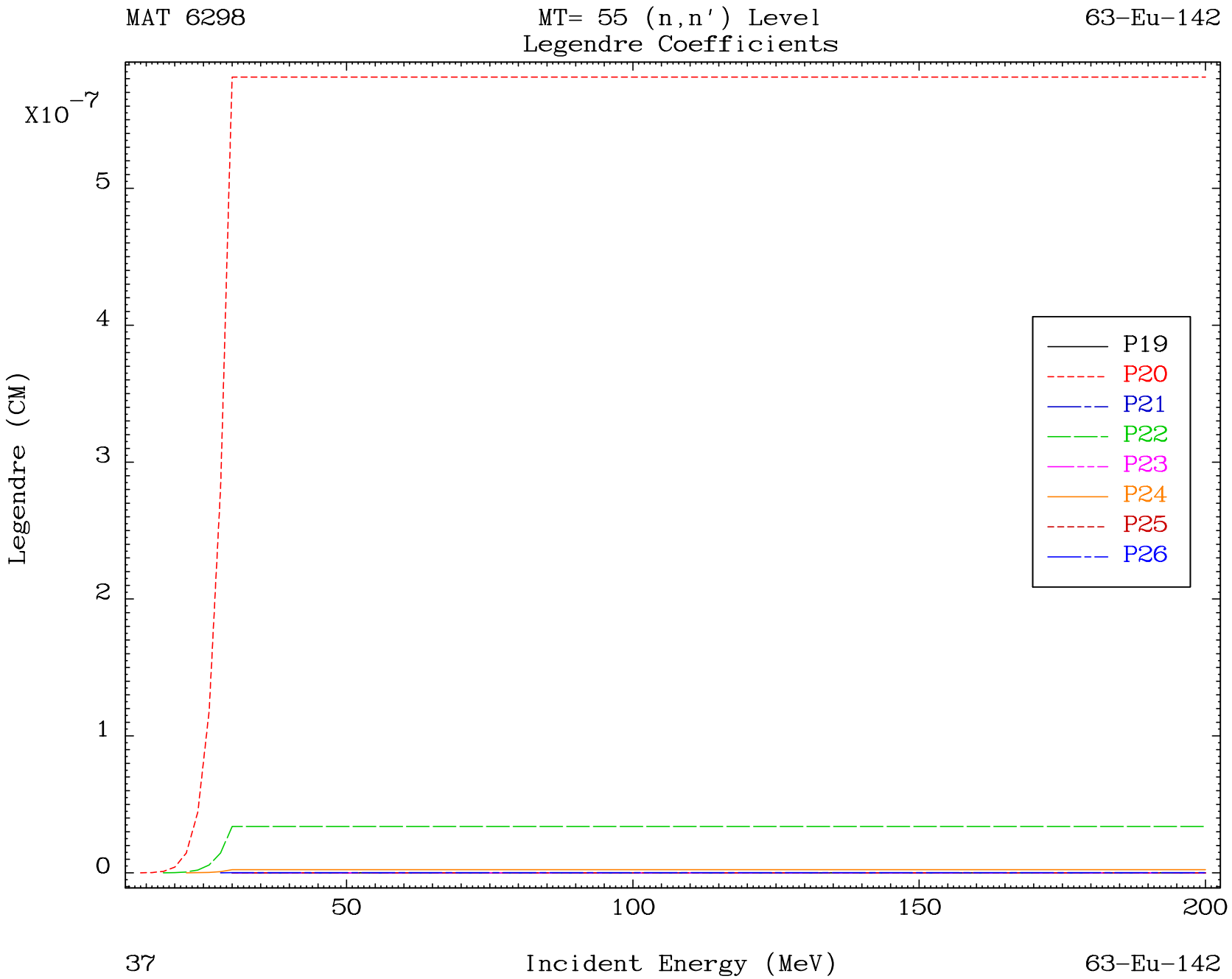

MAT 6298
MT= 54 (n,n') Level
Legendre Coefficients
63-Eu-142
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
32
Incident Energy (MeV)
63-Eu-142

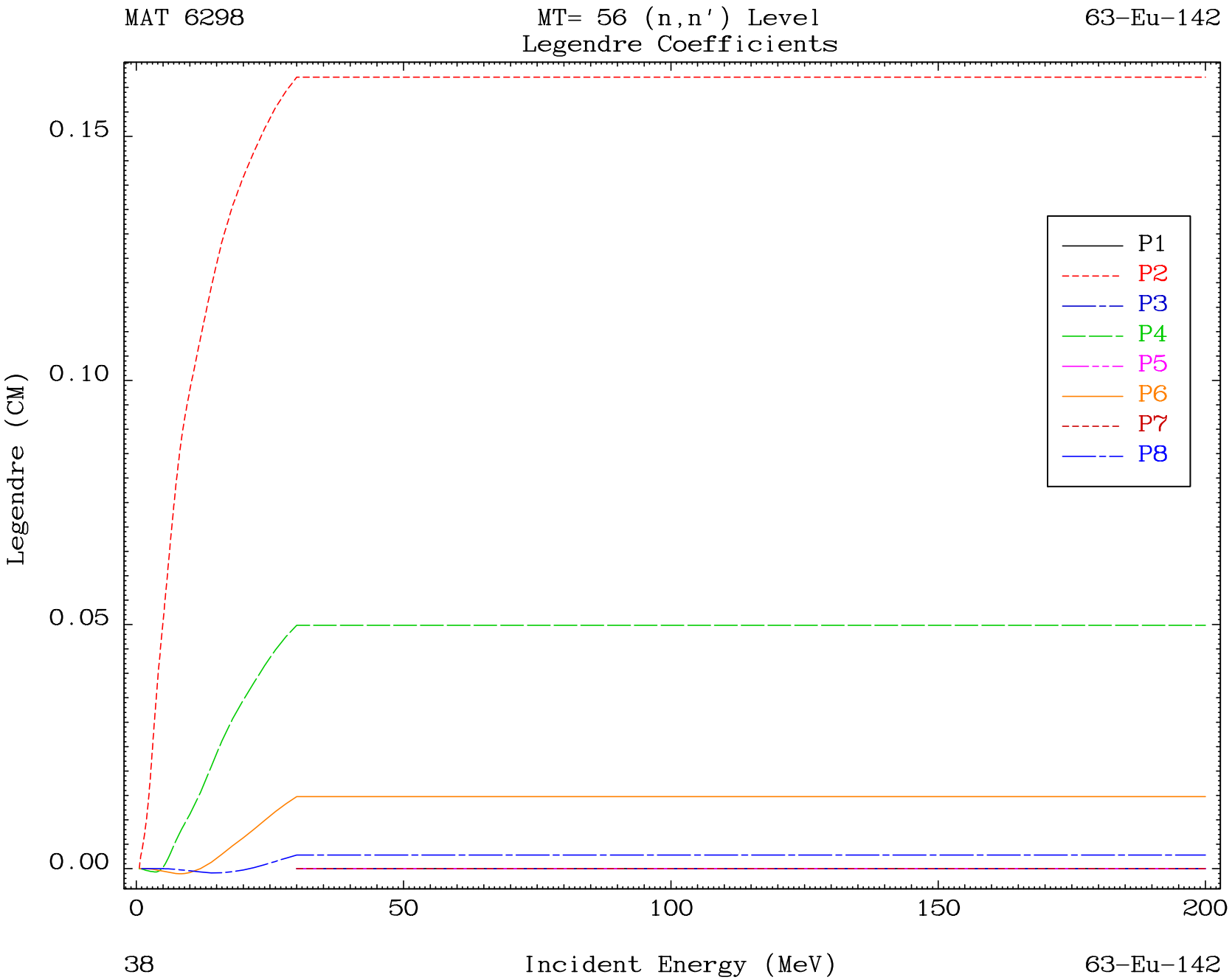

MAT 6298
MT= 54 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-4
4
2
0
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
33
Incident Energy (MeV)
63-Eu-142

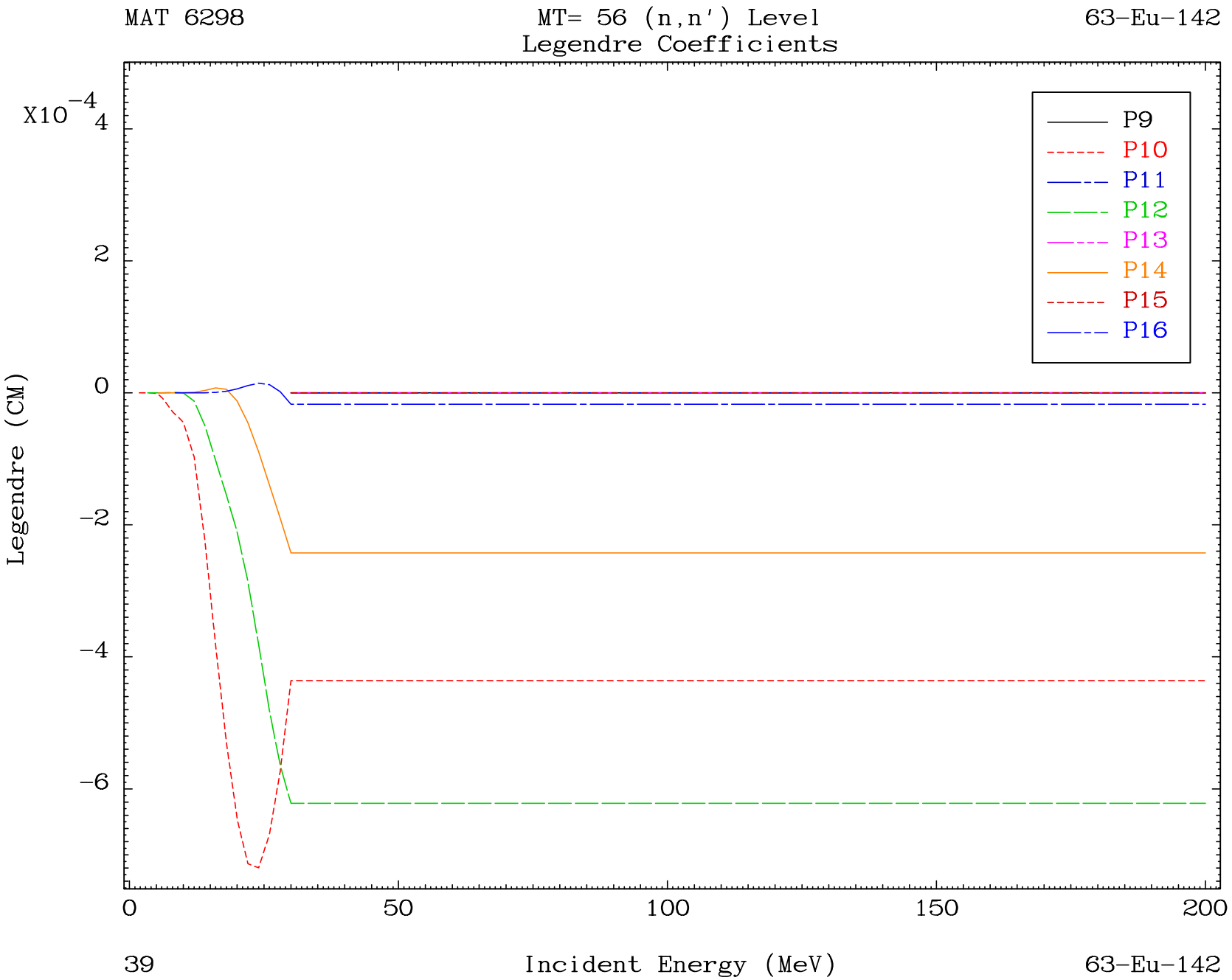

MAT 6298
MT= 54 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
34
Incident Energy (MeV)
63-Eu-142

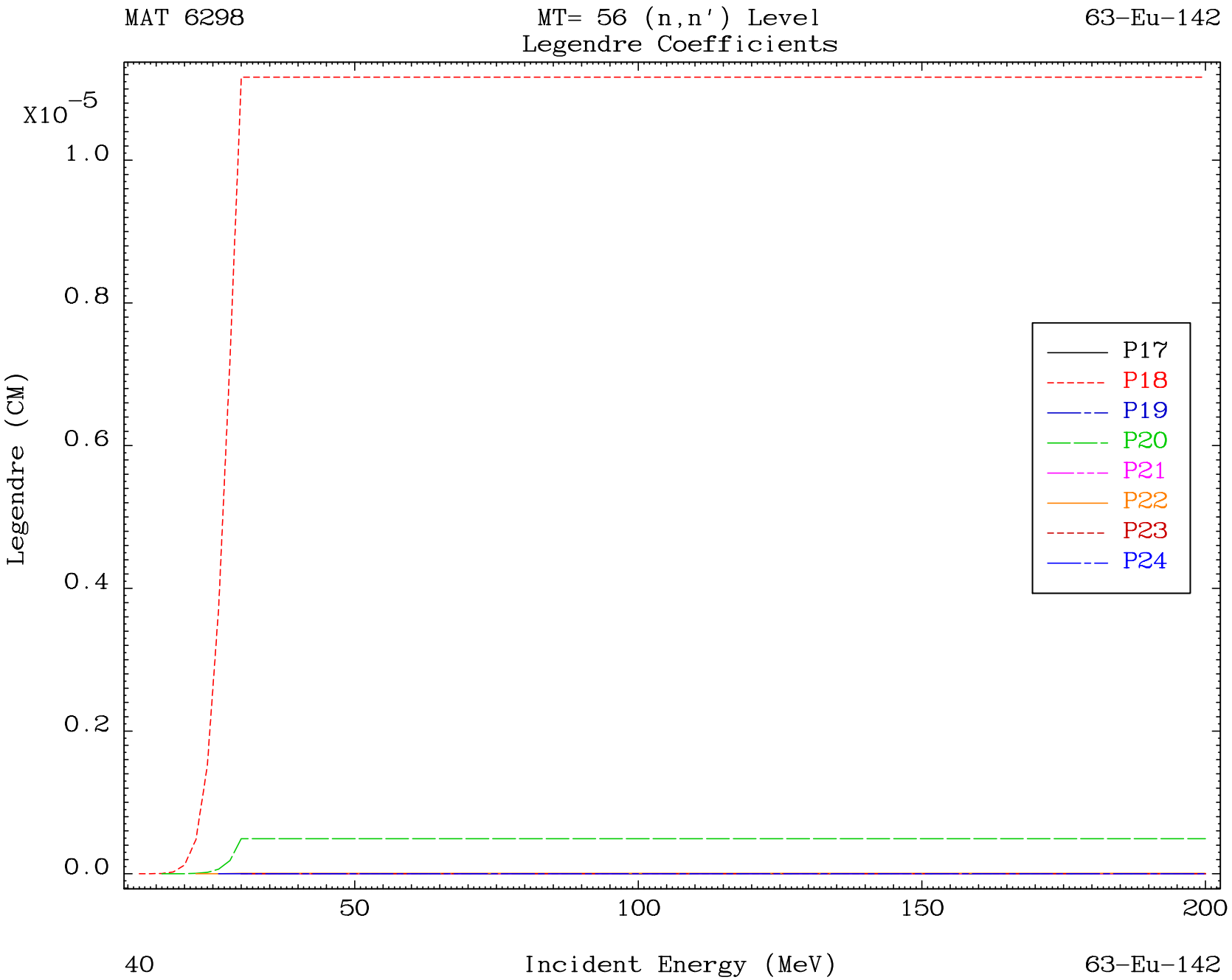

MAT 6298
MT= 55 (n,n') Level
Legendre Coefficients
63-Eu-142
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
35
Incident Energy (MeV)
63-Eu-142

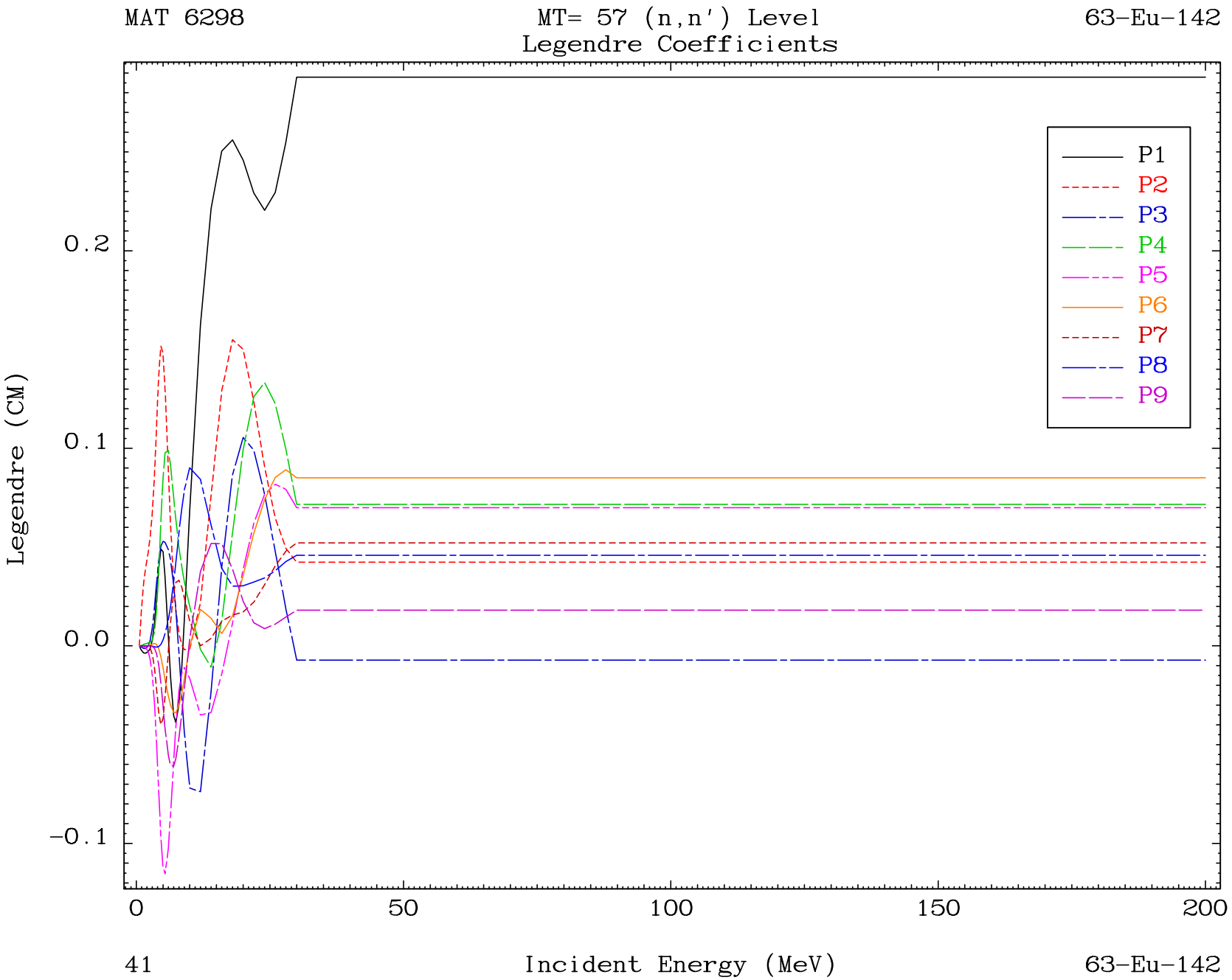

MAT 6298
MT= 55 (n,n') Level
Legendre Coefficients
63-Eu-142
0.0
X10^-3
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
0
50
100
150
200
36
Incident Energy (MeV)
63-Eu-142
P10
P11
P12
P13
P14
P15
P16
P17
P18

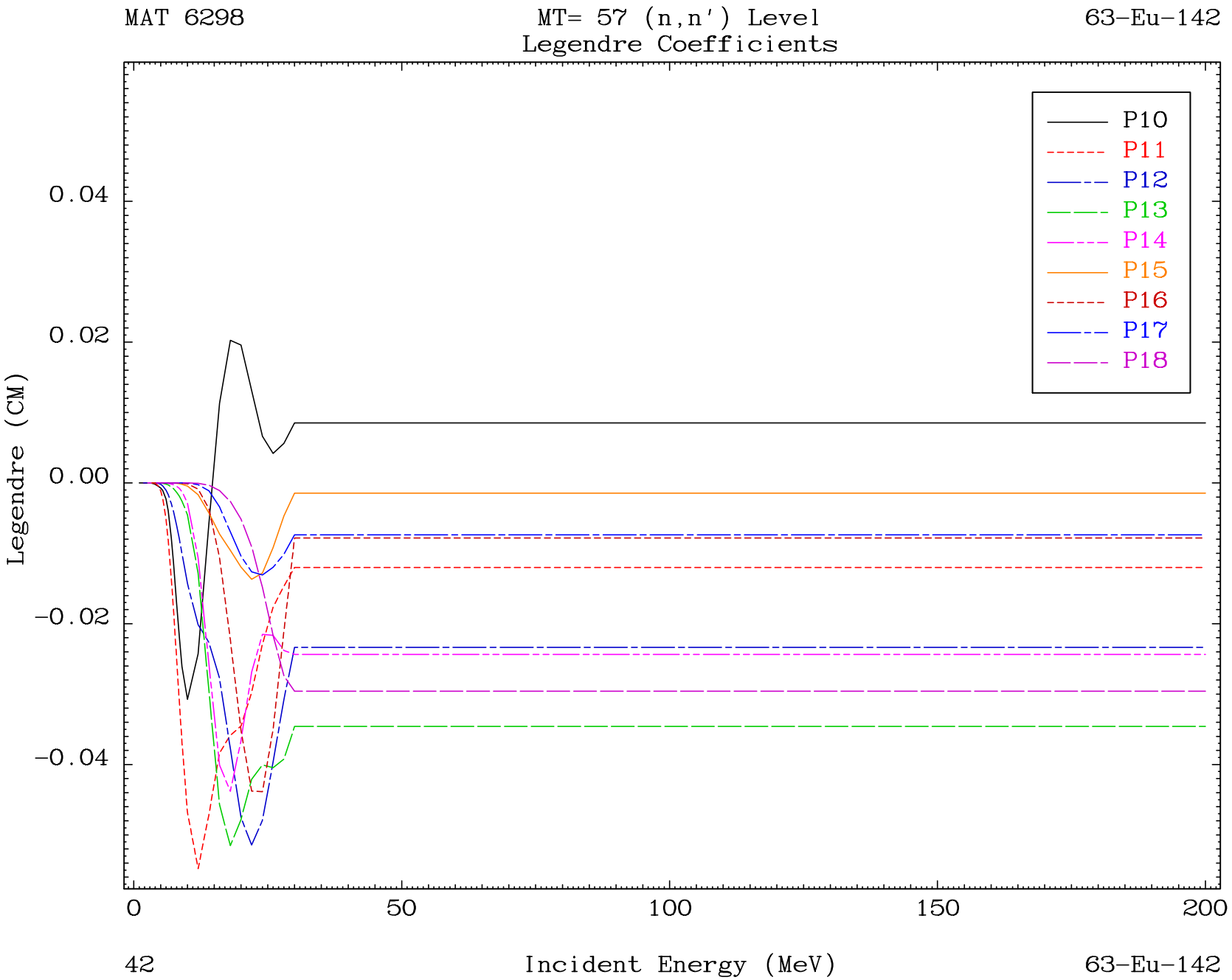

MAT 6298
MT= 55 (n,n') Level
Legendre Coefficients
63-Eu-142
X10-7
5
4
3
2
1
0
Legendre (CM)
50
100
150
200
37
Incident Energy (MeV)
63-Eu-142
P19
P20
P21
P22
P23
P24
P25
P26

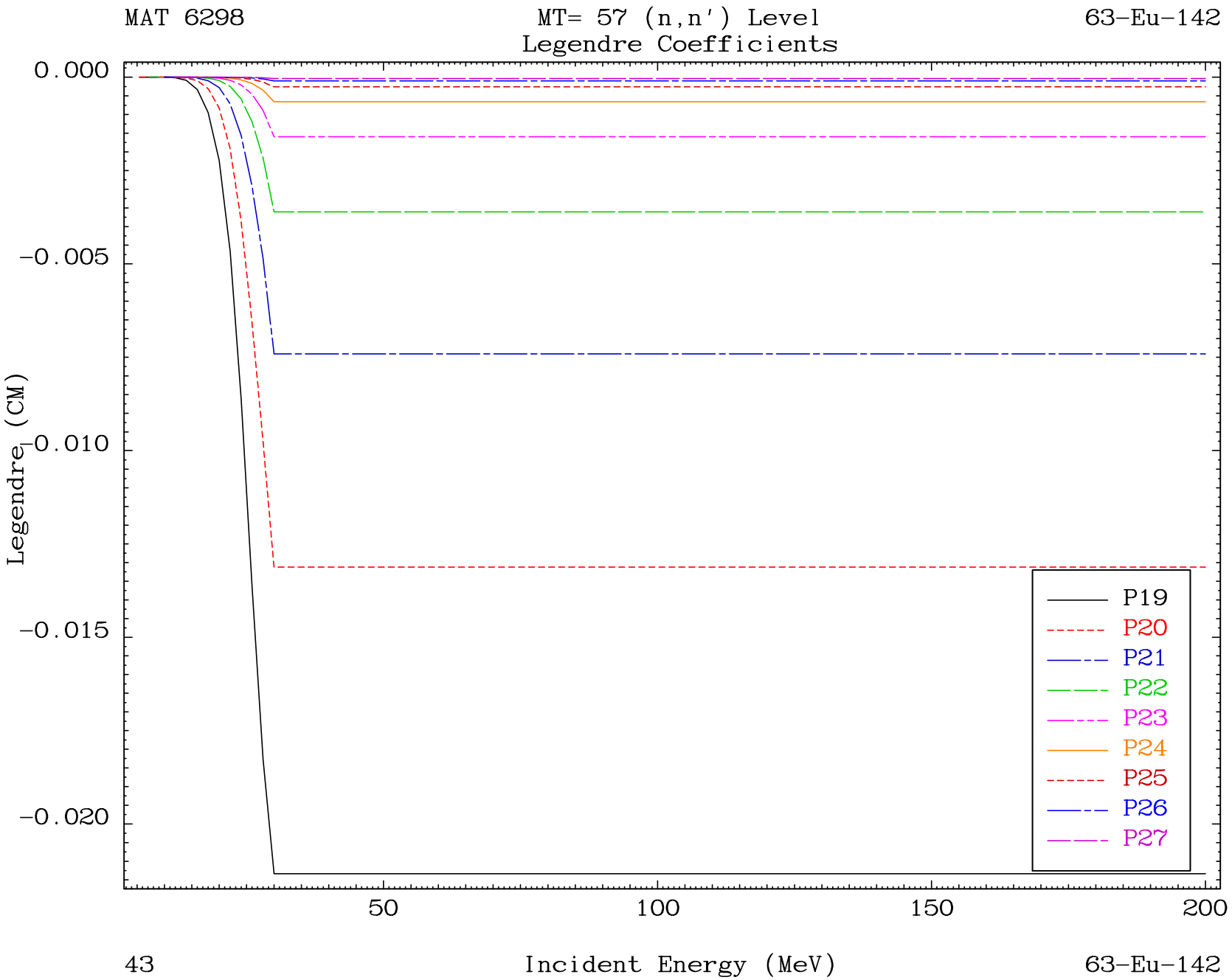

MAT 6298
MT= 56 (n,n') Level
Legendre Coefficients
63-Eu-142
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
38
Incident Energy (MeV)
63-Eu-142

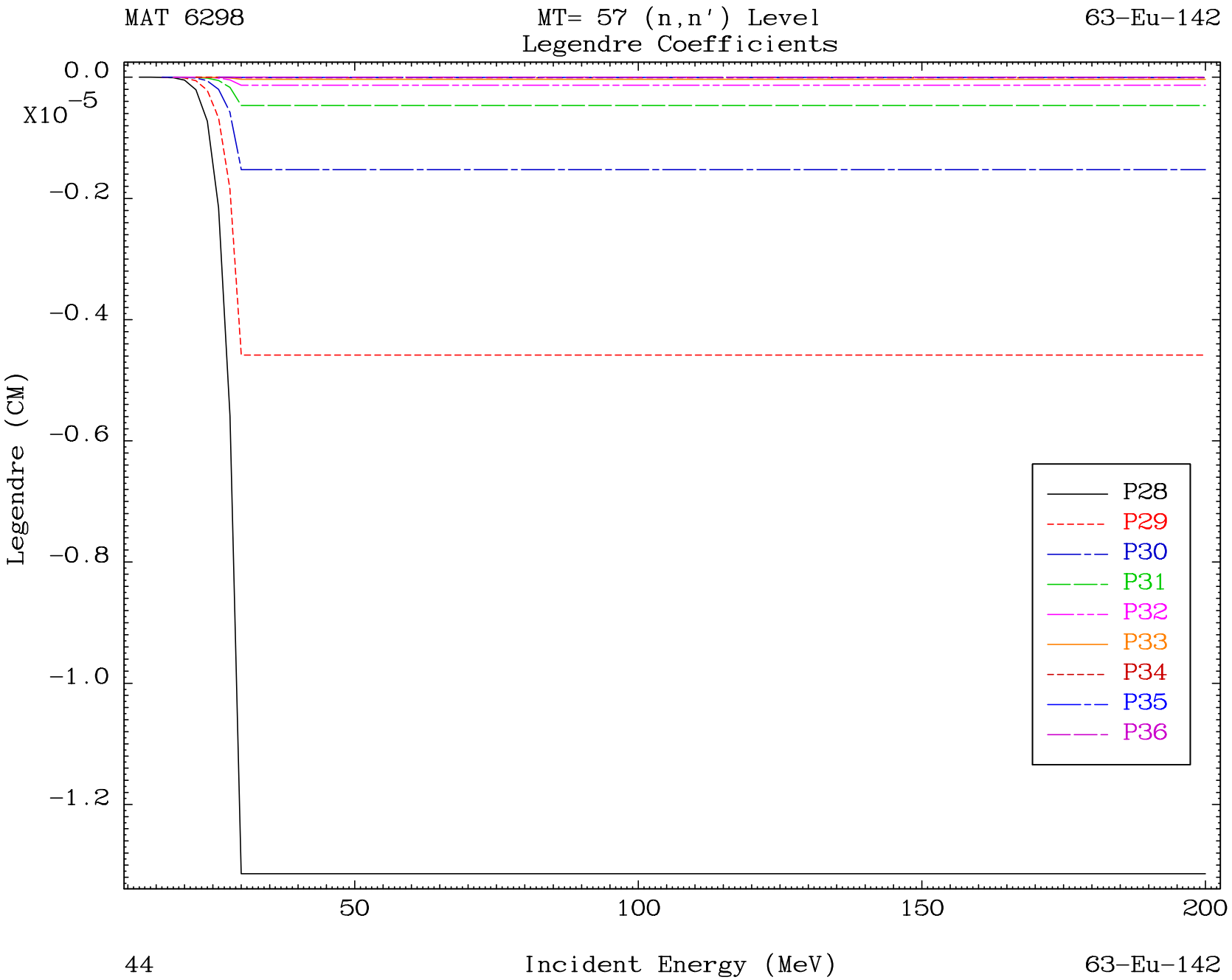

MAT 6298
MT= 56 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-4
4
2
0
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
39
Incident Energy (MeV)
63-Eu-142

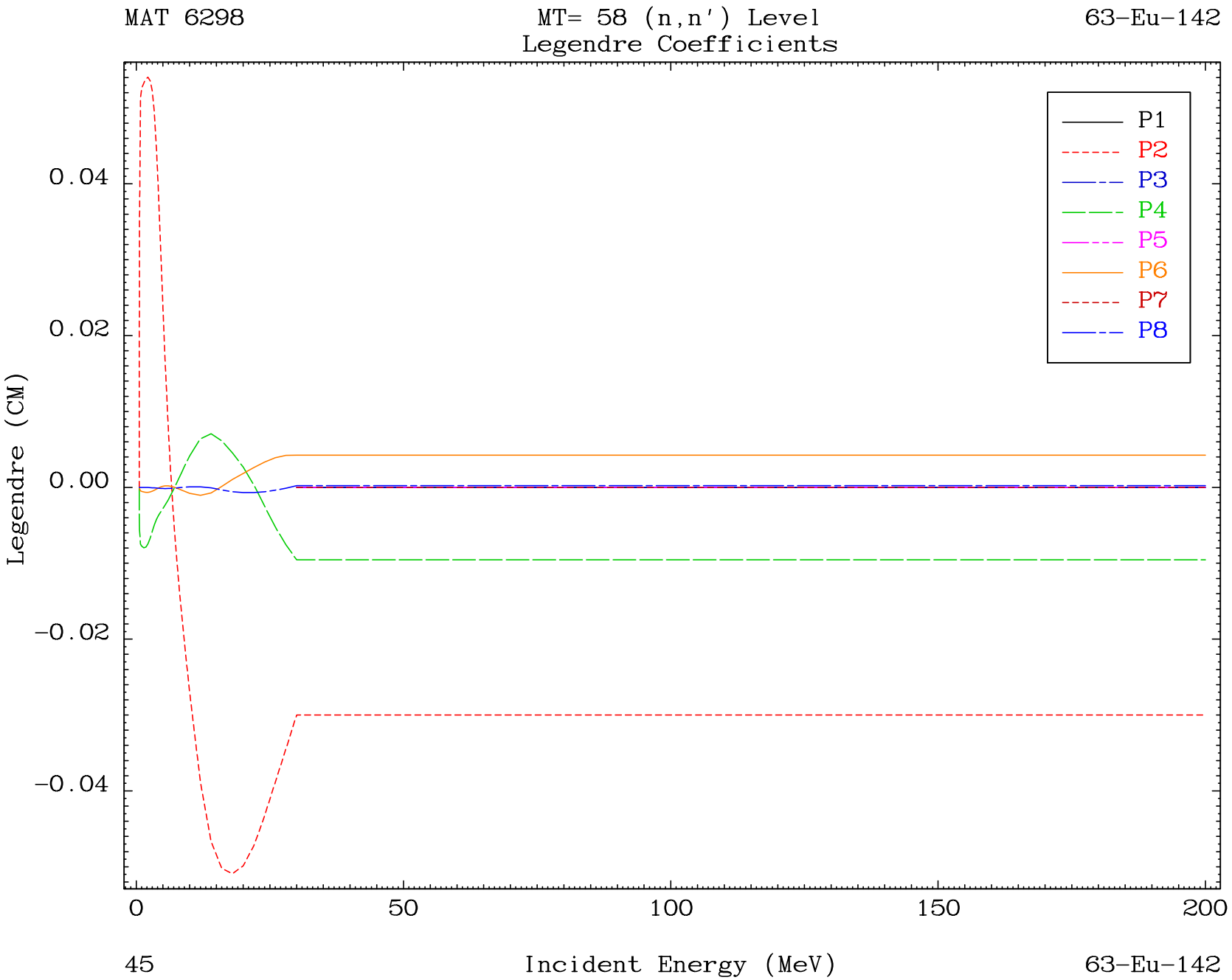

MAT 6298
MT= 56 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
40
50
100
150
200
Incident Energy (MeV)
63-Eu-142

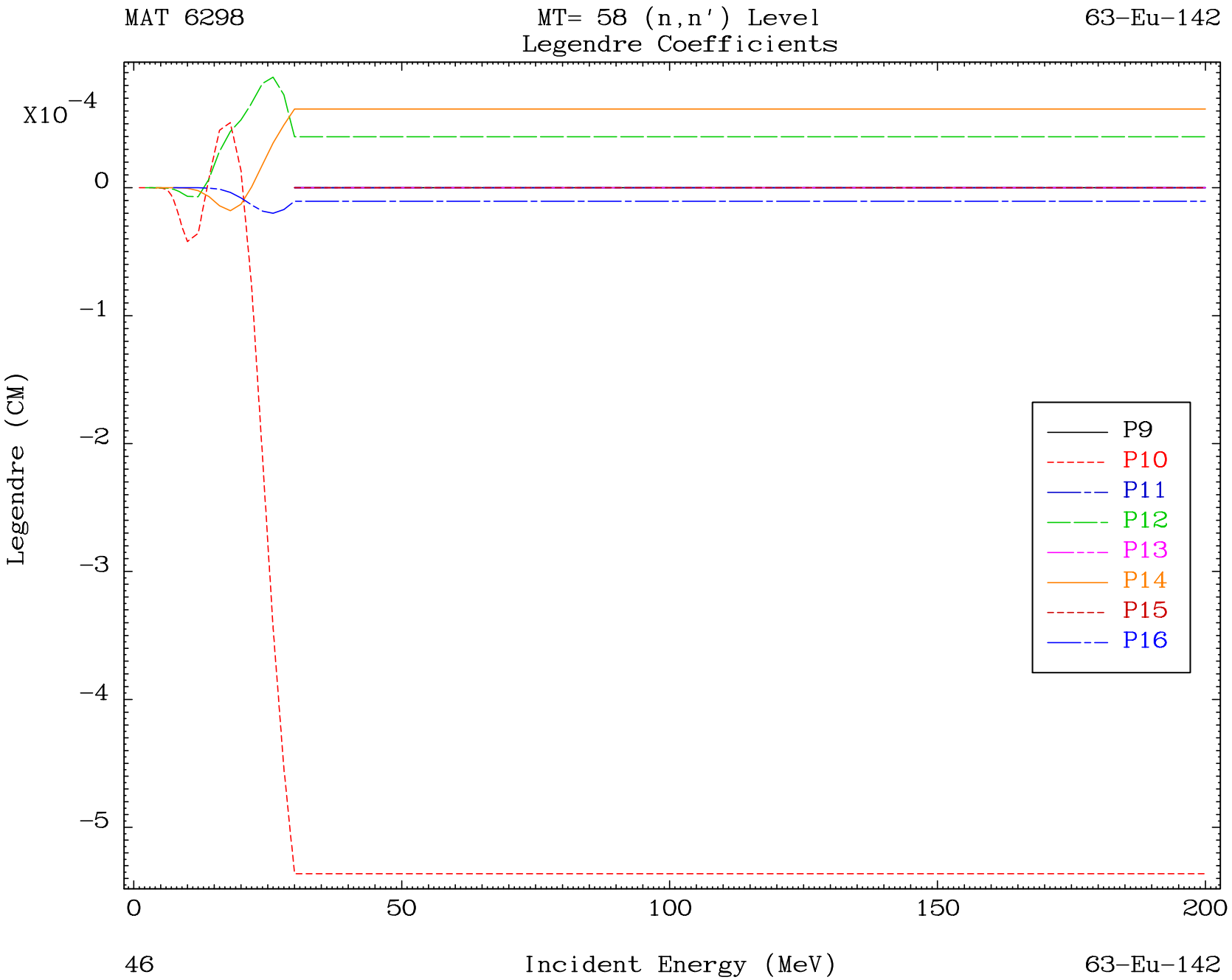

MAT 6298
MT= 57 (n,n') Level
Legendre Coefficients
63-Eu-142
Legendre (CM)
0.2
0.1
0.0
-0.1
0
50
100
150
200
41
Incident Energy (MeV)
63-Eu-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

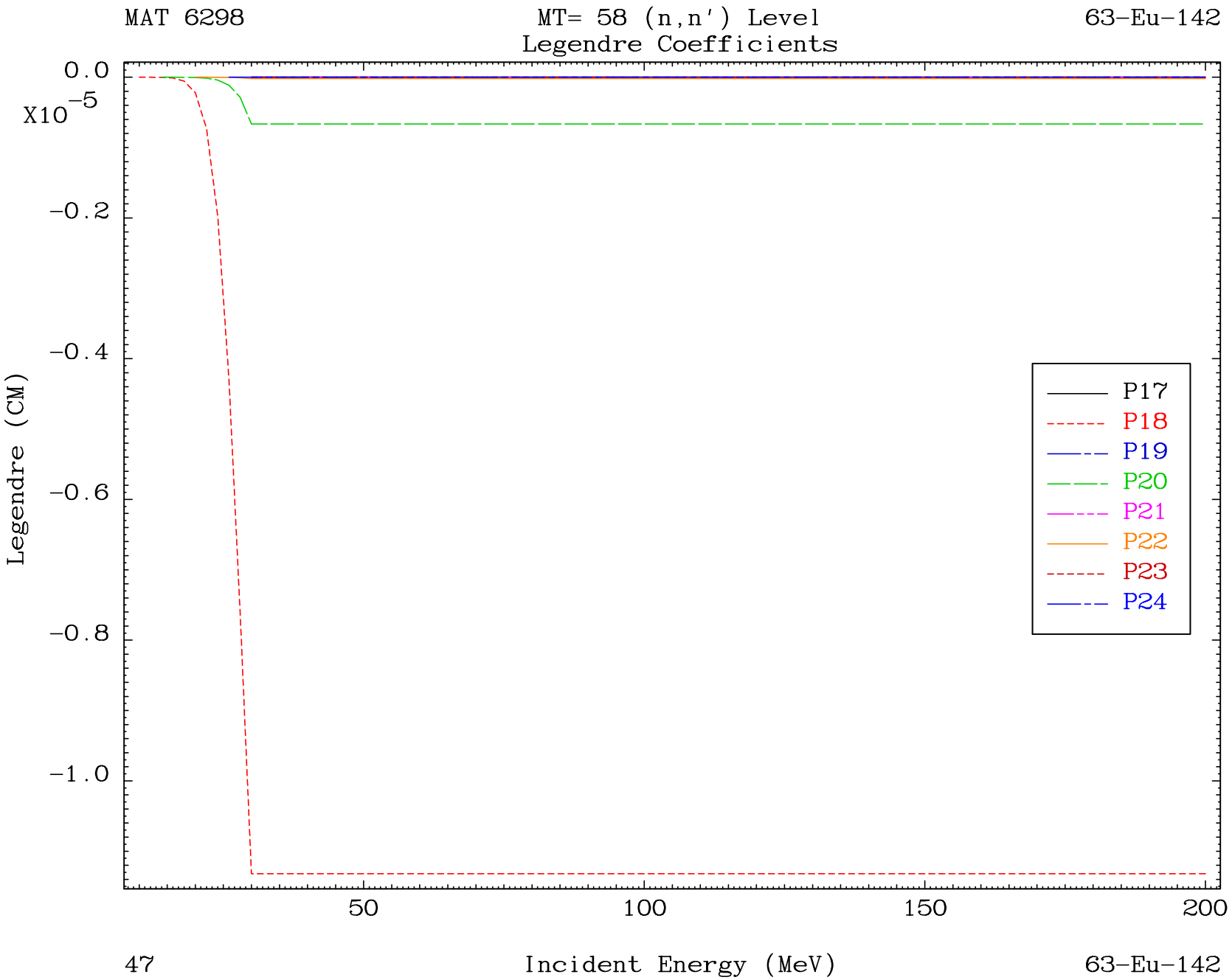

MAT 6298
MT= 57 (n,n') Level
Legendre Coefficients
63-Eu-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
42
Incident Energy (MeV)
63-Eu-142

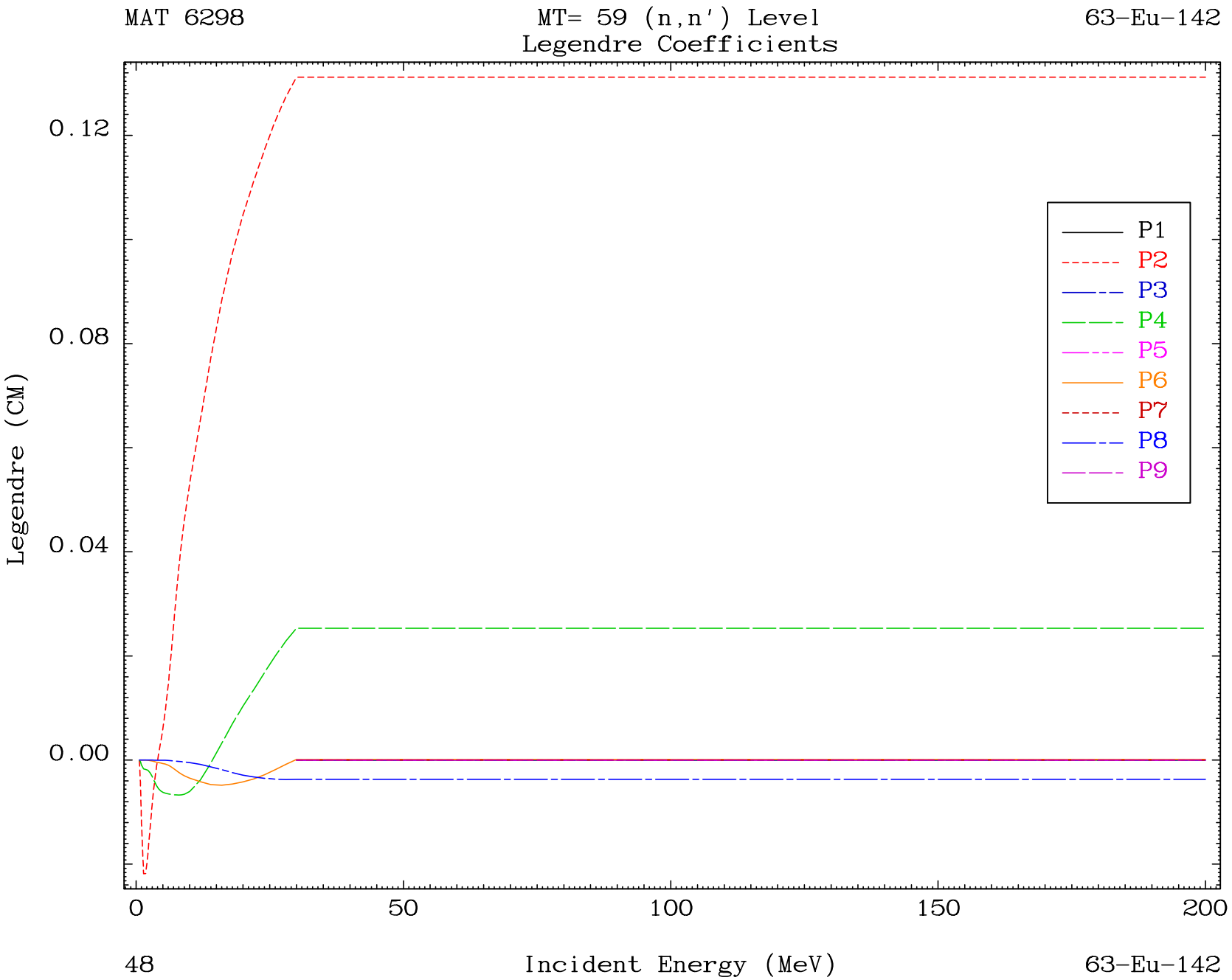

MAT 6298
MT= 57 (n,n') Level
Legendre Coefficients
63-Eu-142
0.000
-0.005
-0.010
-0.015
-0.020
Legendre$_l$ (CM)
50
100
150
200
43
Incident Energy (MeV)
63-Eu-142
P19
P20
P21
P22
P23
P24
P25
P26
P27

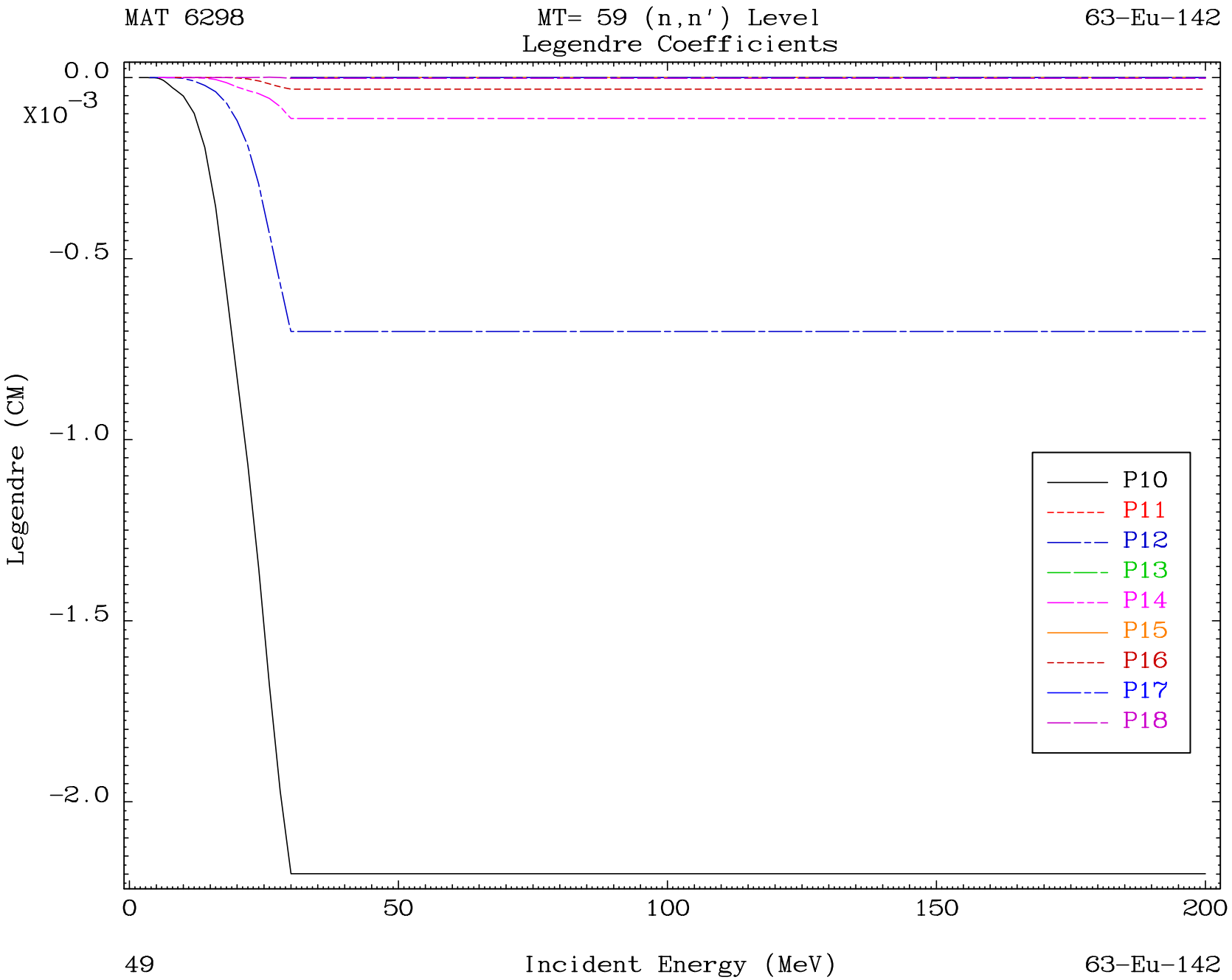

MAT 6298
MT= 57 (n,n') Level
Legendre Coefficients
63-Eu-142
0.0
X10^-5
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
Incident Energy (MeV)
P28
P29
P30
P31
P32
P33
P34
P35
P36
44
63-Eu-142

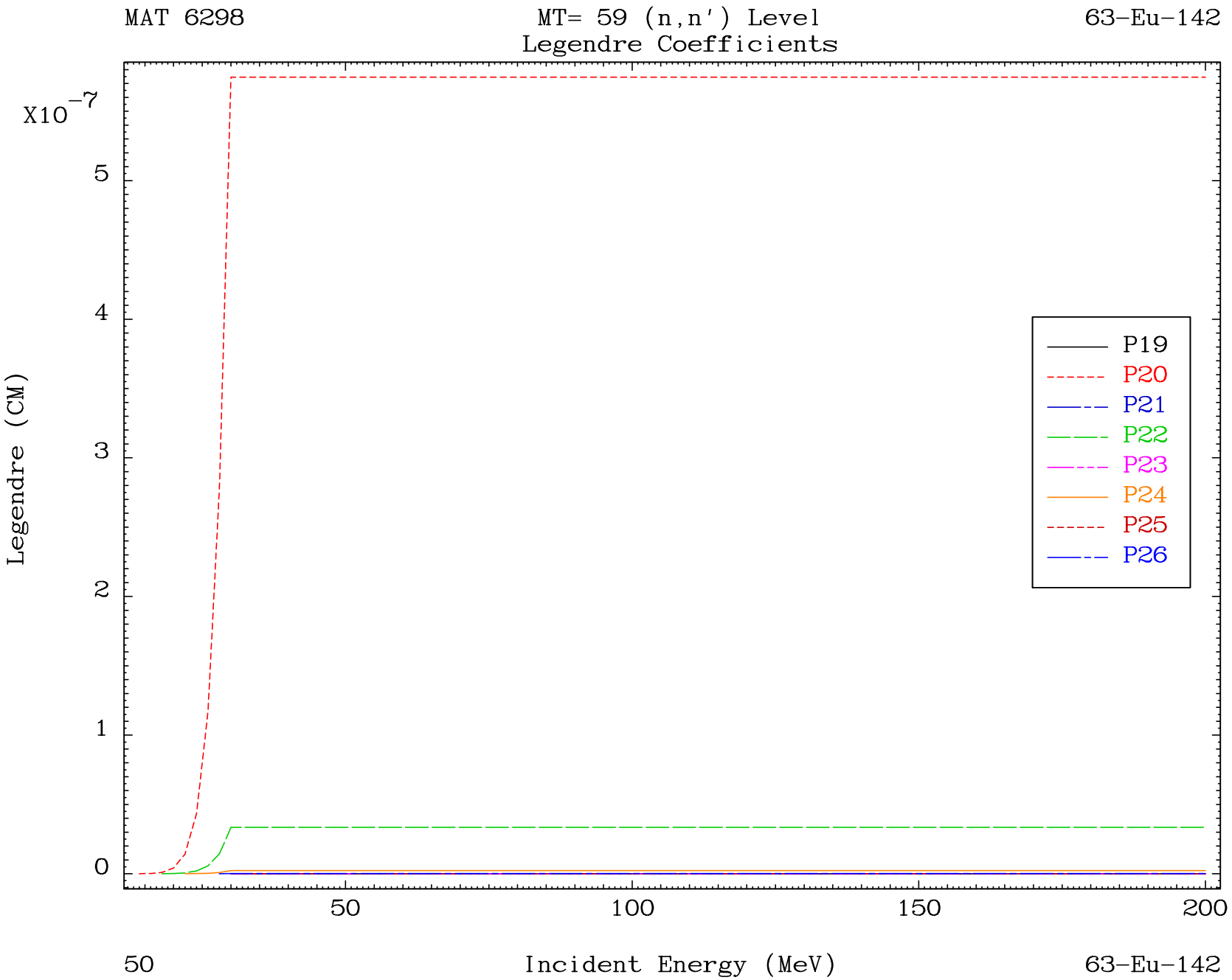

MAT 6298
MT= 58 (n,n') Level
Legendre Coefficients
63-Eu-142
P1
P2
P3
P4
P5
P6
P7
P8
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
45
Incident Energy (MeV)
63-Eu-142

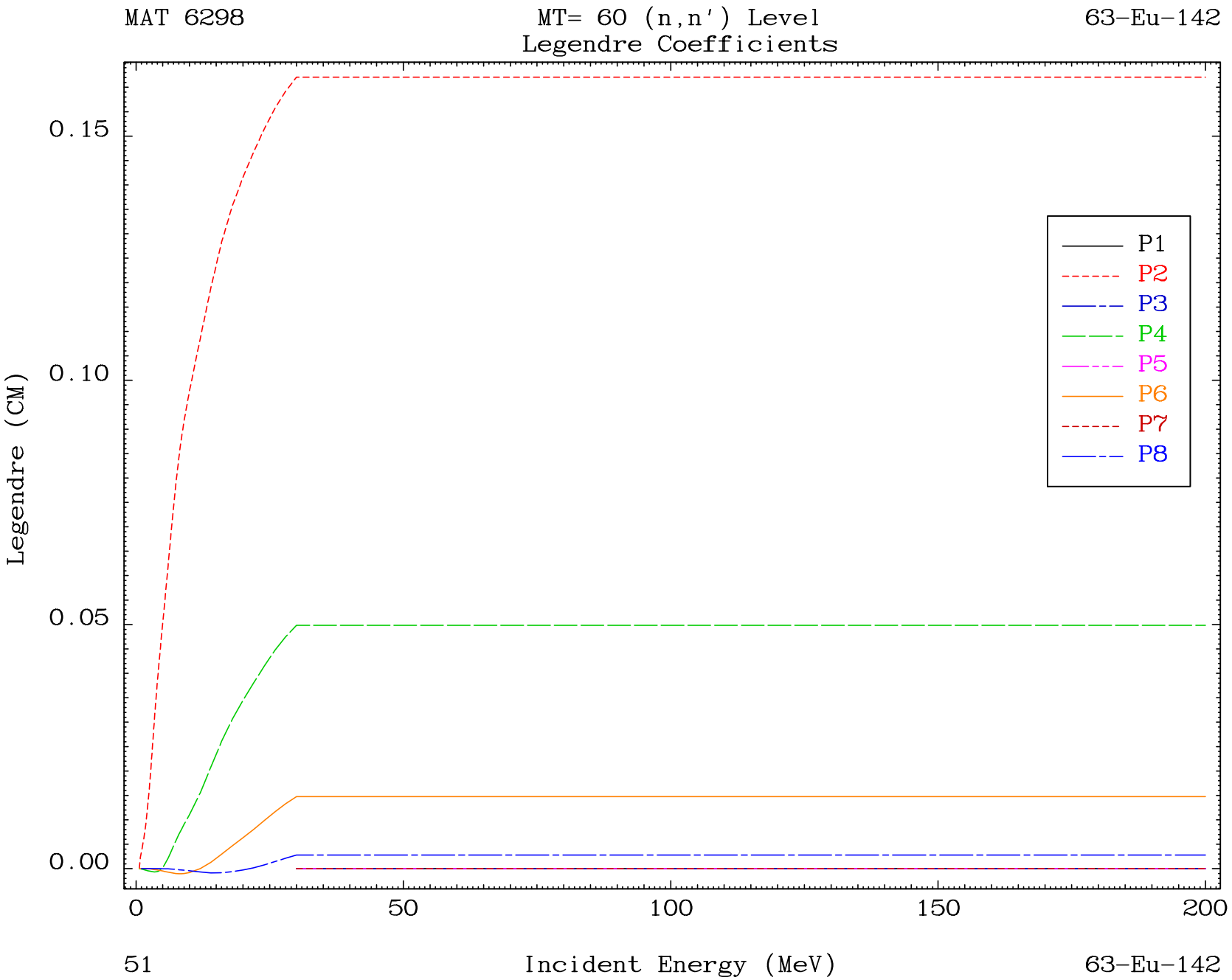

MAT 6298
MT= 58 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-4
0
-1
-2
-3
-4
-5
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
46
Incident Energy (MeV)
63-Eu-142

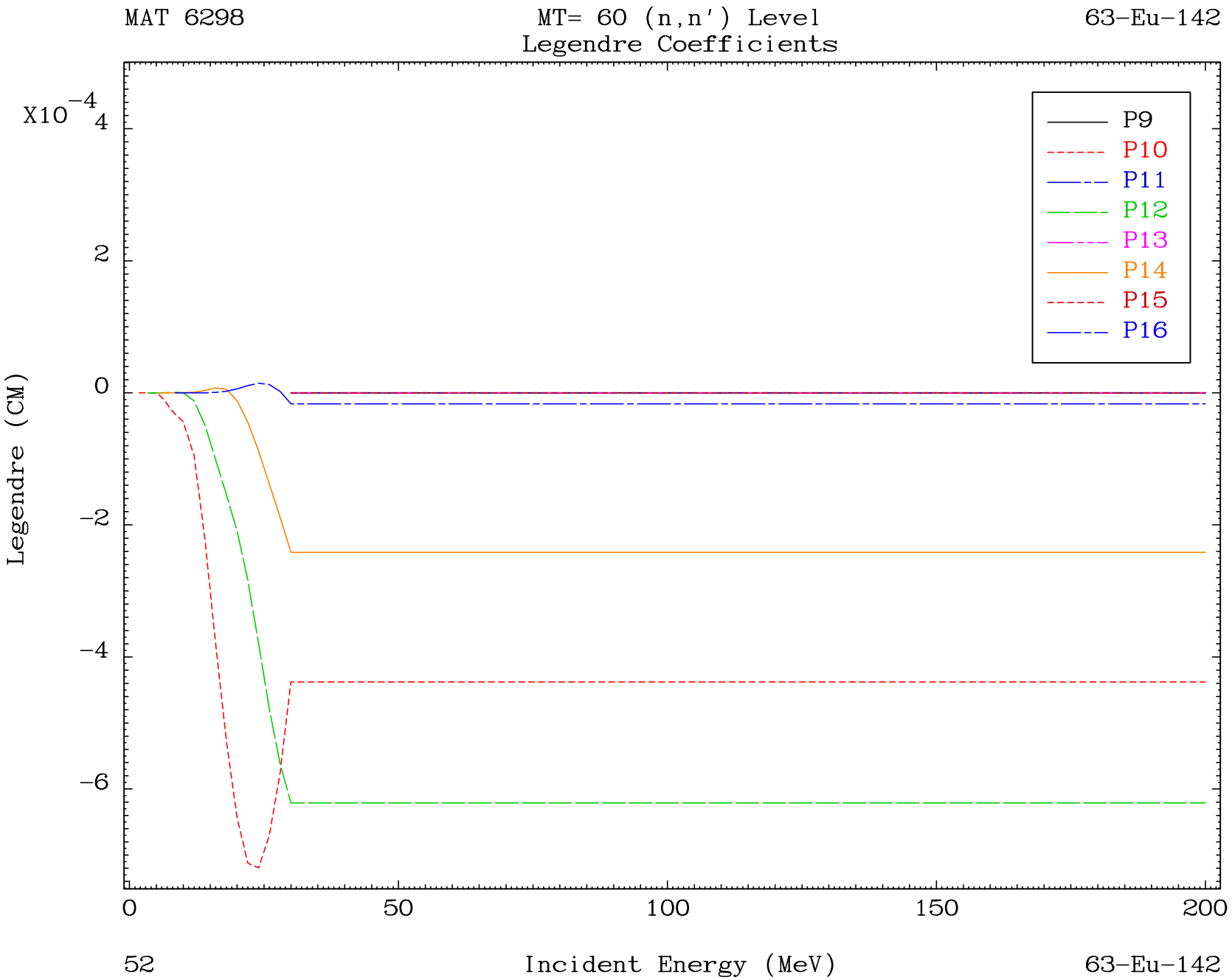

MAT 6298
MT= 58 (n,n') Level
Legendre Coefficients
63-Eu-142
0.0
X10^-5
-0.2
-0.4
-0.6
-0.8
-1.0
Legendre (CM)
50
100
150
200
47
Incident Energy (MeV)
63-Eu-142
P17
P18
P19
P20
P21
P22
P23
P24

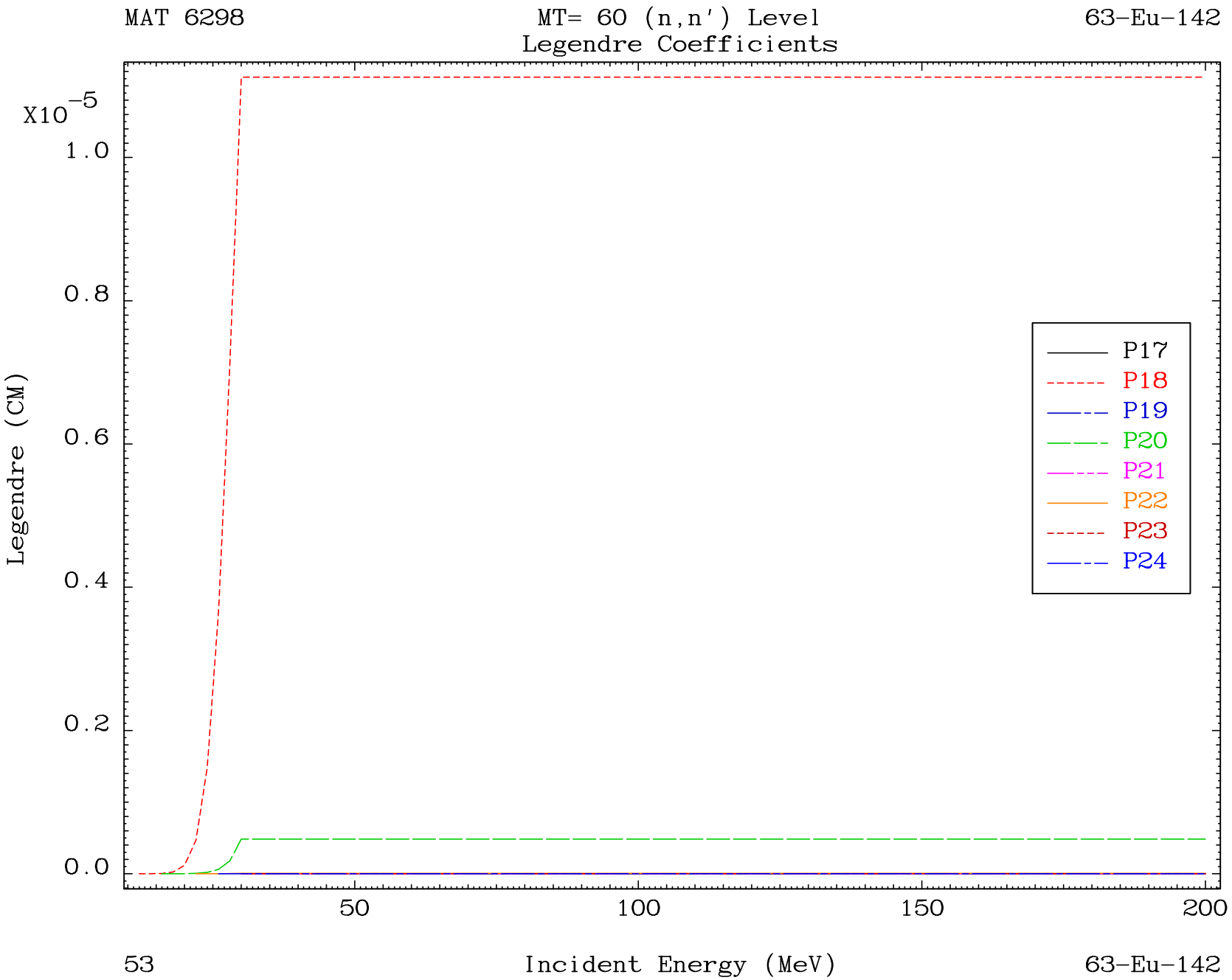

MAT 6298
MT= 59 (n,n') Level
Legendre Coefficients
63-Eu-142
0.12
0.08
0.04
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
P9
0
50
100
150
200
48
Incident Energy (MeV)
63-Eu-142

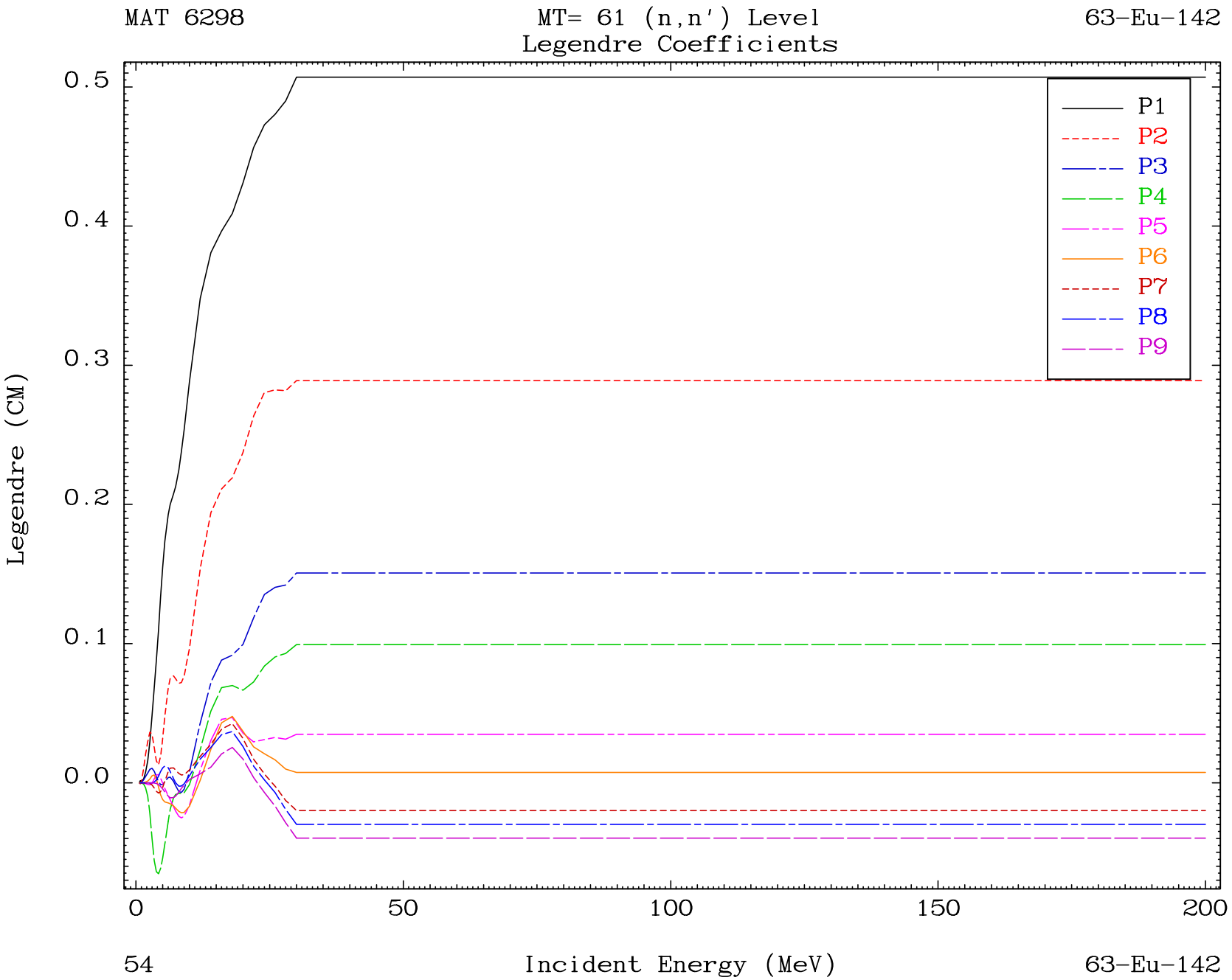

MAT 6298
MT= 59 (n,n') Level
Legendre Coefficients
63-Eu-142
0.0
X10^-3
-0.5
-1.0
-1.5
-2.0
Legendre (CM)
0
50
100
150
200
49
Incident Energy (MeV)
63-Eu-142
P10
P11
P12
P13
P14
P15
P16
P17
P18

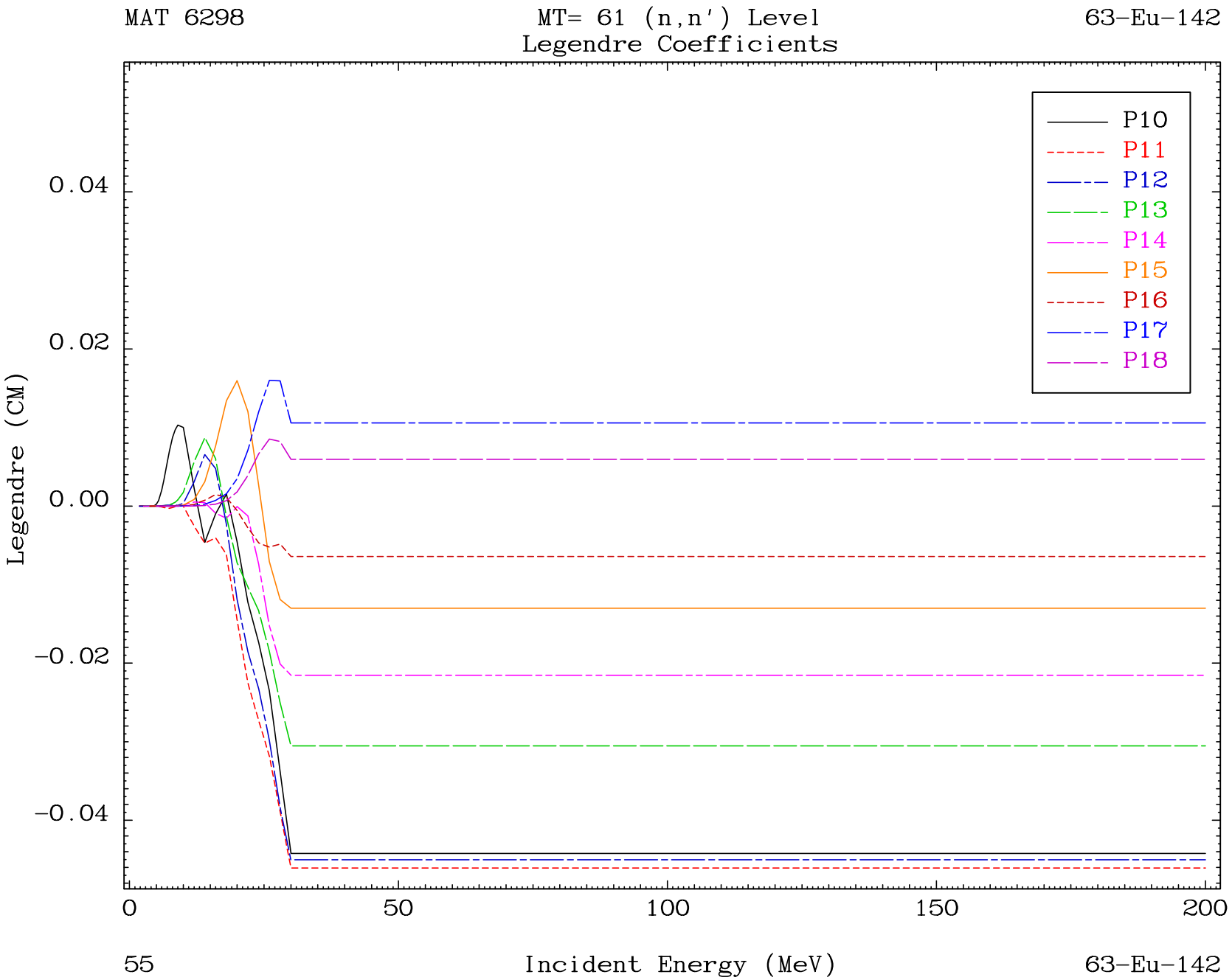

MAT 6298
MT= 59 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-7
5
4
3
2
1
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
50
100
150
200
50
Incident Energy (MeV)
63-Eu-142

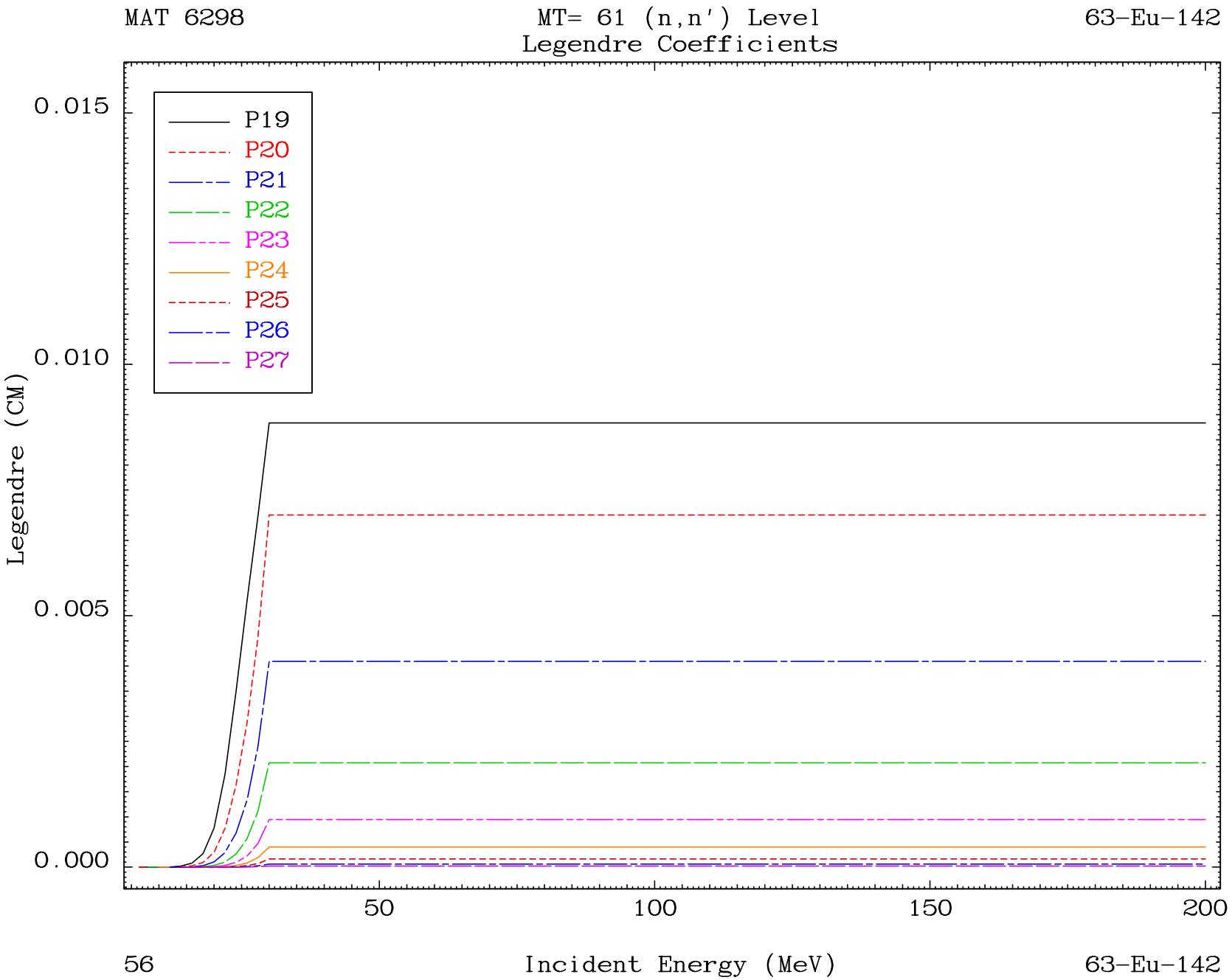

MAT 6298
MT= 60 (n,n') Level
Legendre Coefficients
63-Eu-142
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
51
Incident Energy (MeV)
63-Eu-142

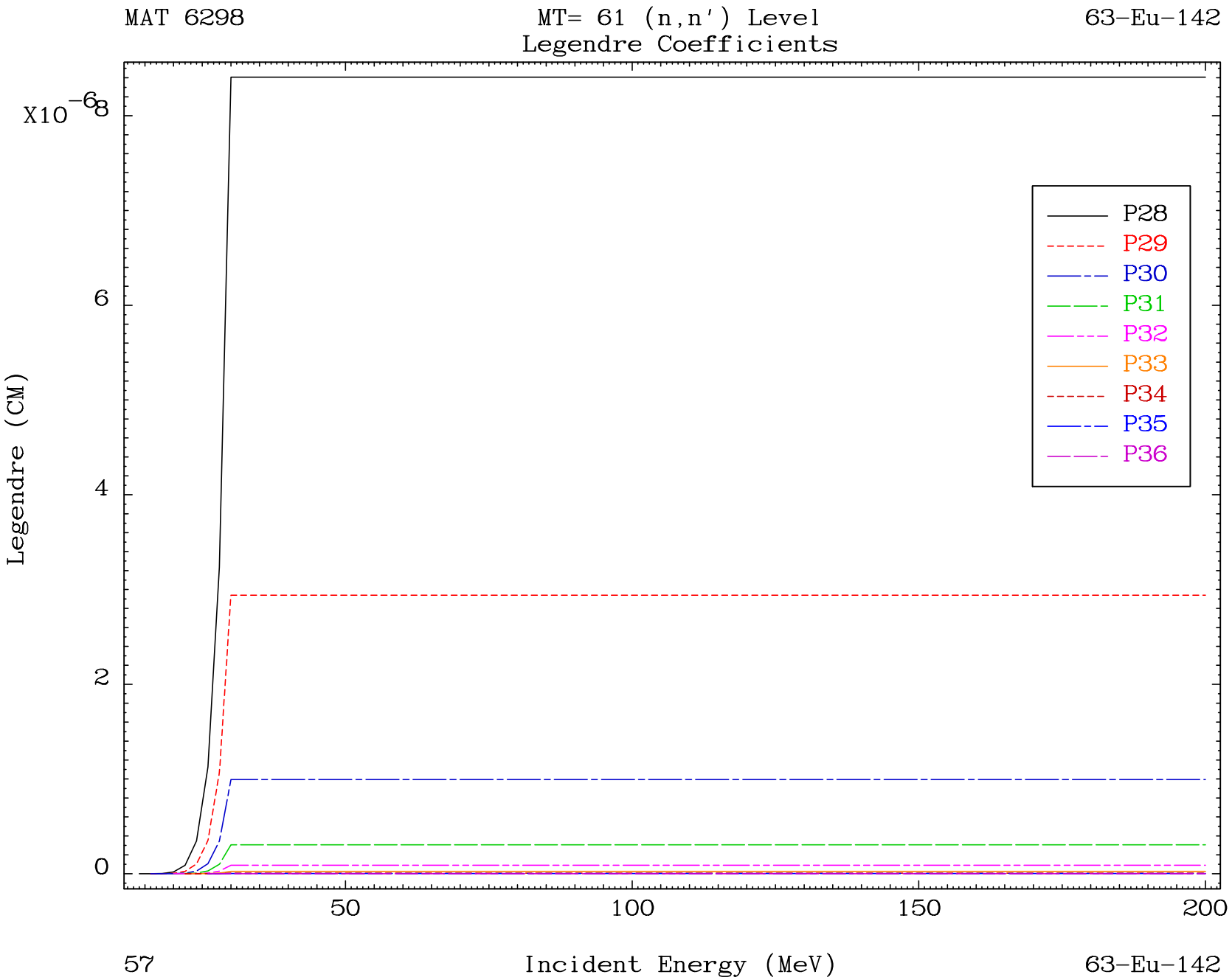

MAT 6298
MT= 60 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-4
4
2
0
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
52
Incident Energy (MeV)
63-Eu-142

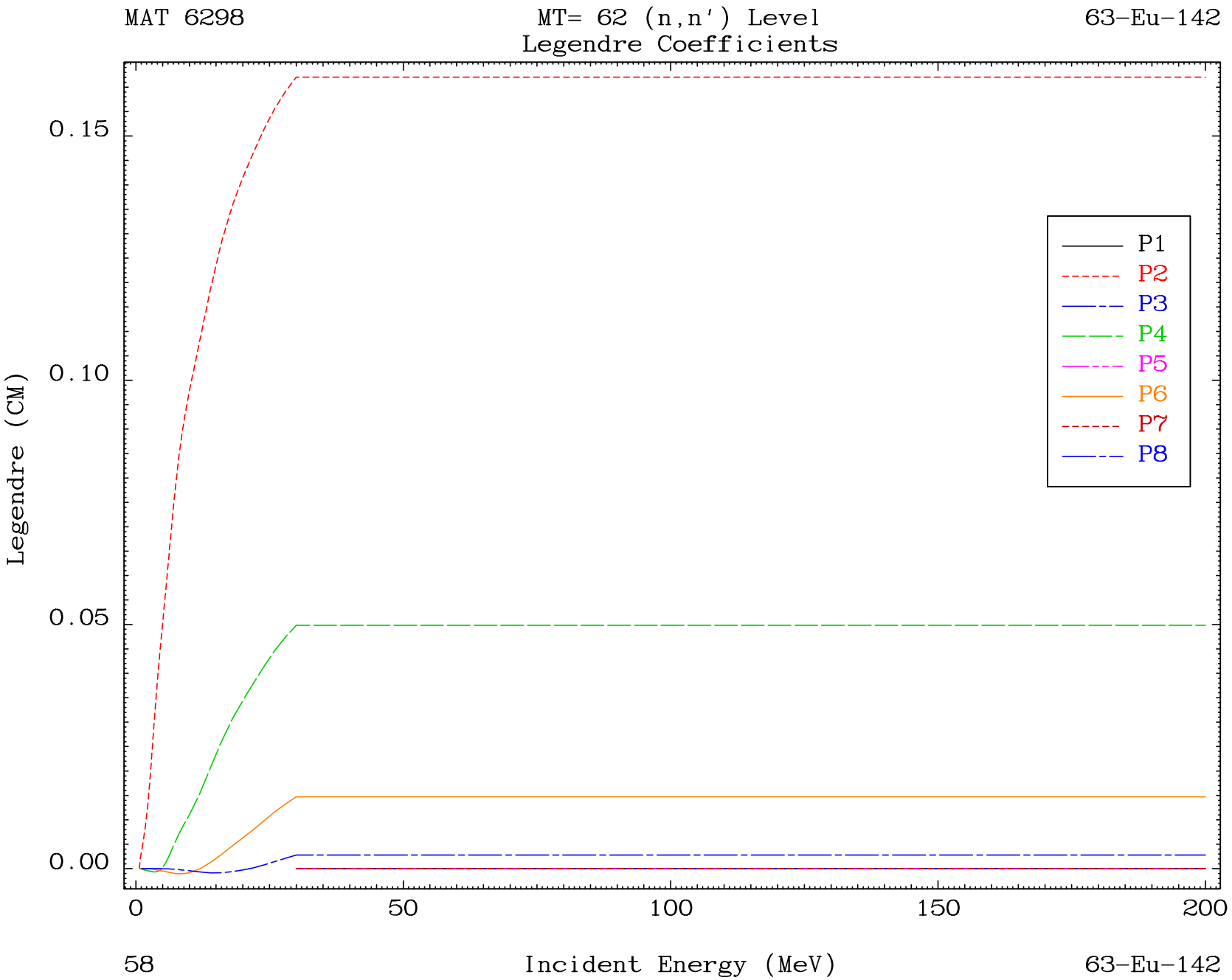

MAT 6298
MT= 60 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
53
Incident Energy (MeV)
63-Eu-142

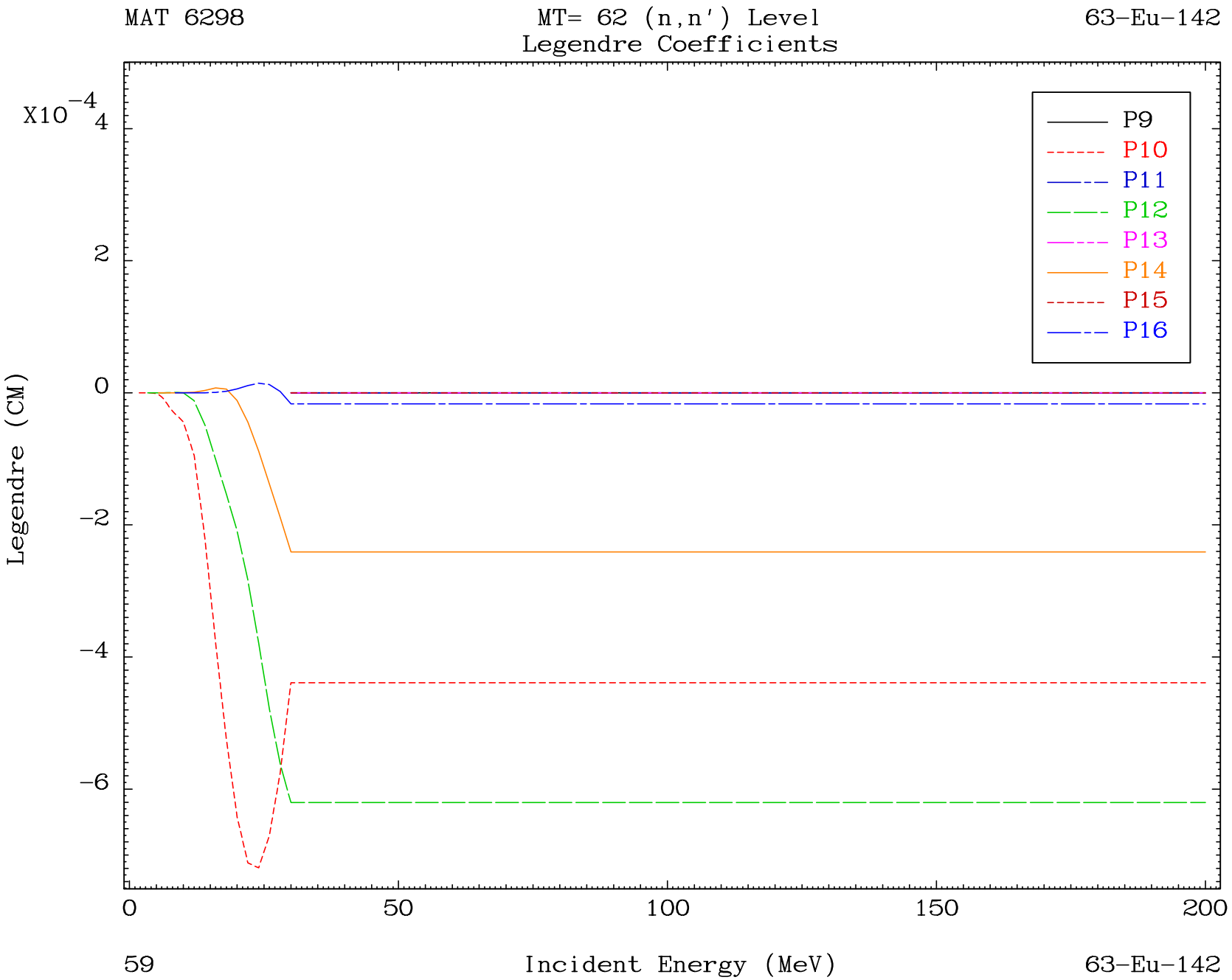

MAT 6298
MT= 61 (n,n') Level
Legendre Coefficients
63-Eu-142
Legendre (CM)
0.5
0.4
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
54
Incident Energy (MeV)
63-Eu-142

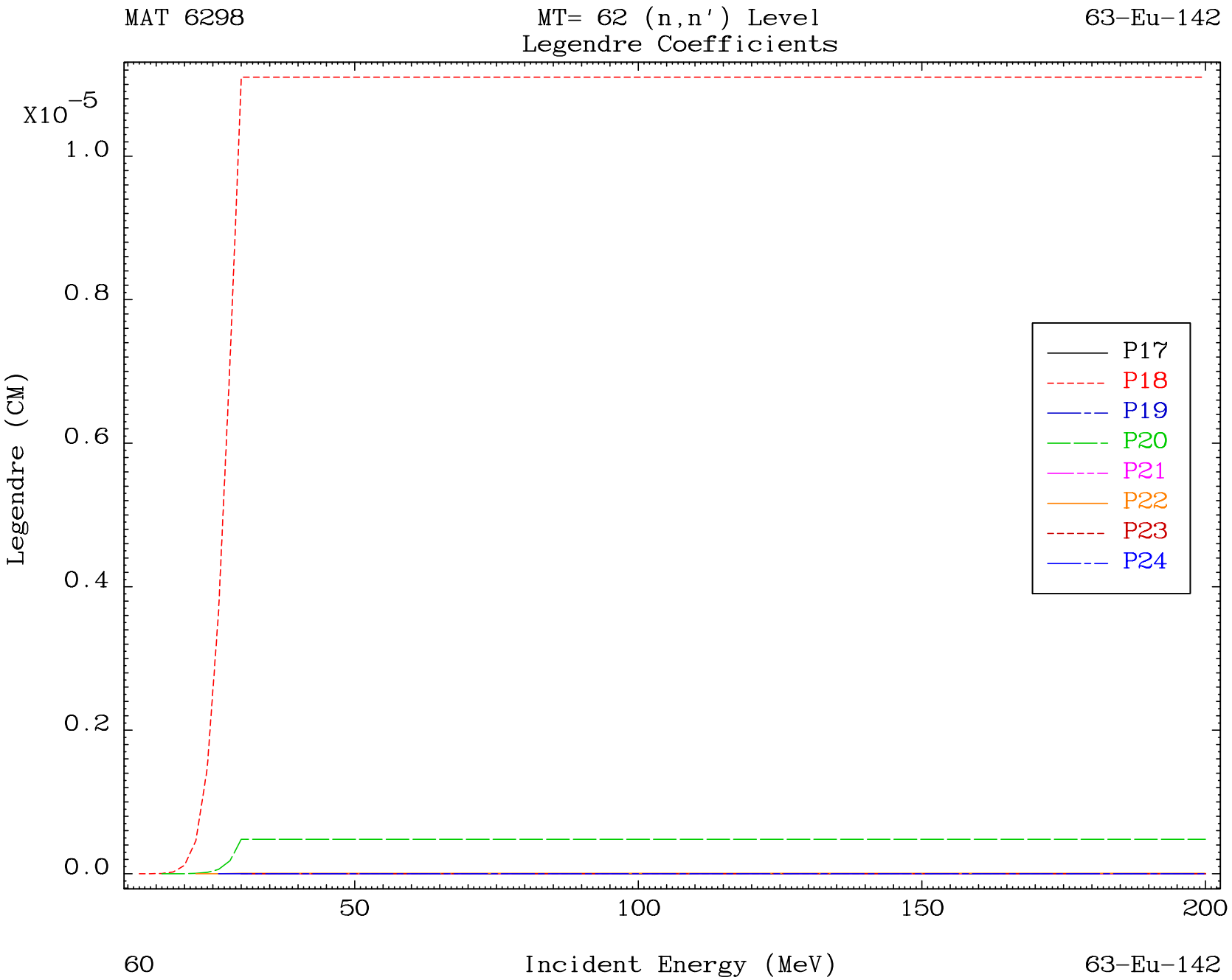

MAT 6298
MT= 61 (n,n') Level
Legendre Coefficients
63-Eu-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
55
Incident Energy (MeV)
63-Eu-142

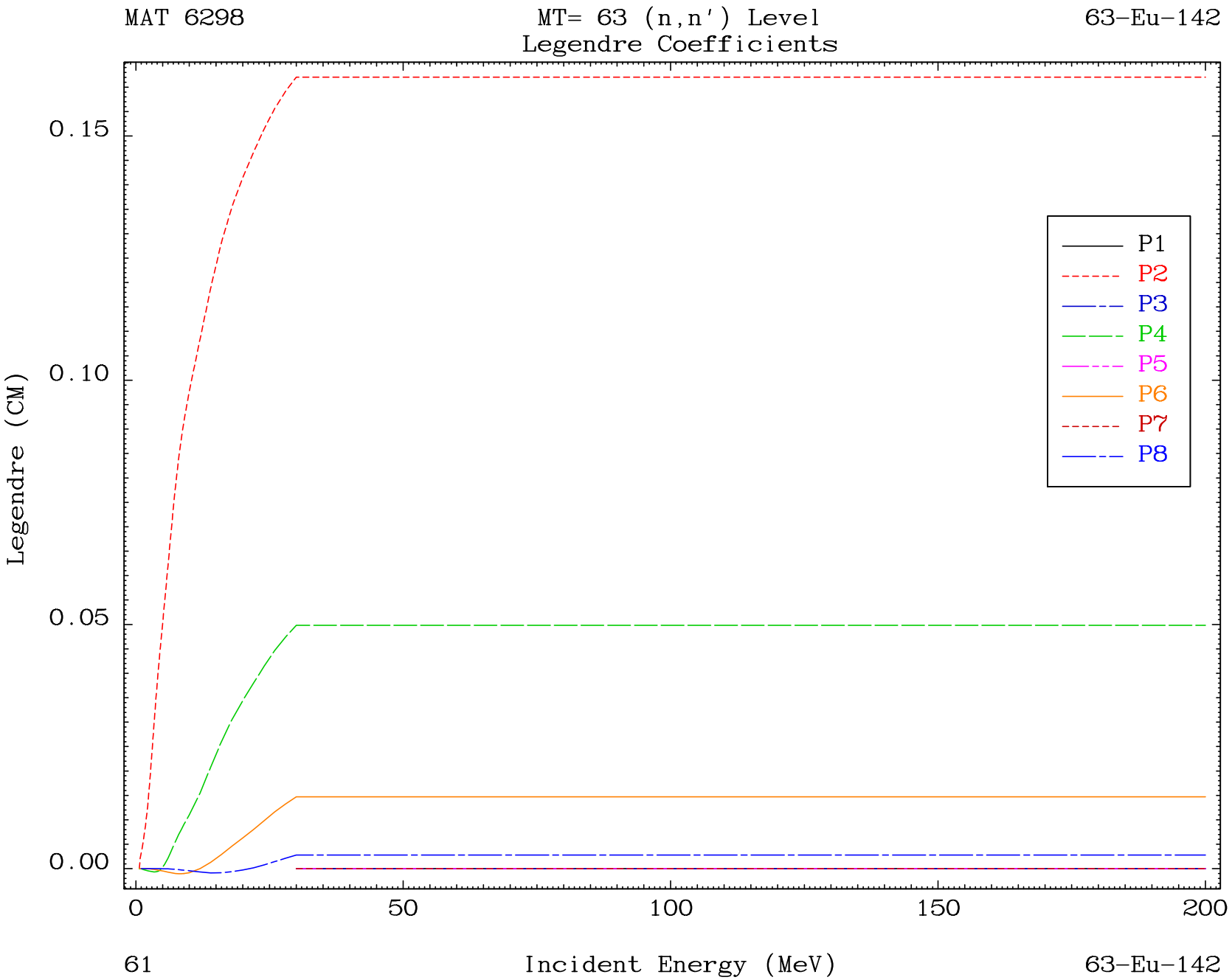

MAT 6298
MT= 61 (n,n') Level
Legendre Coefficients
63-Eu-142
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.015
0.010
0.005
0.000
Legendre (CM)
50
100
150
200
56
Incident Energy (MeV)
63-Eu-142

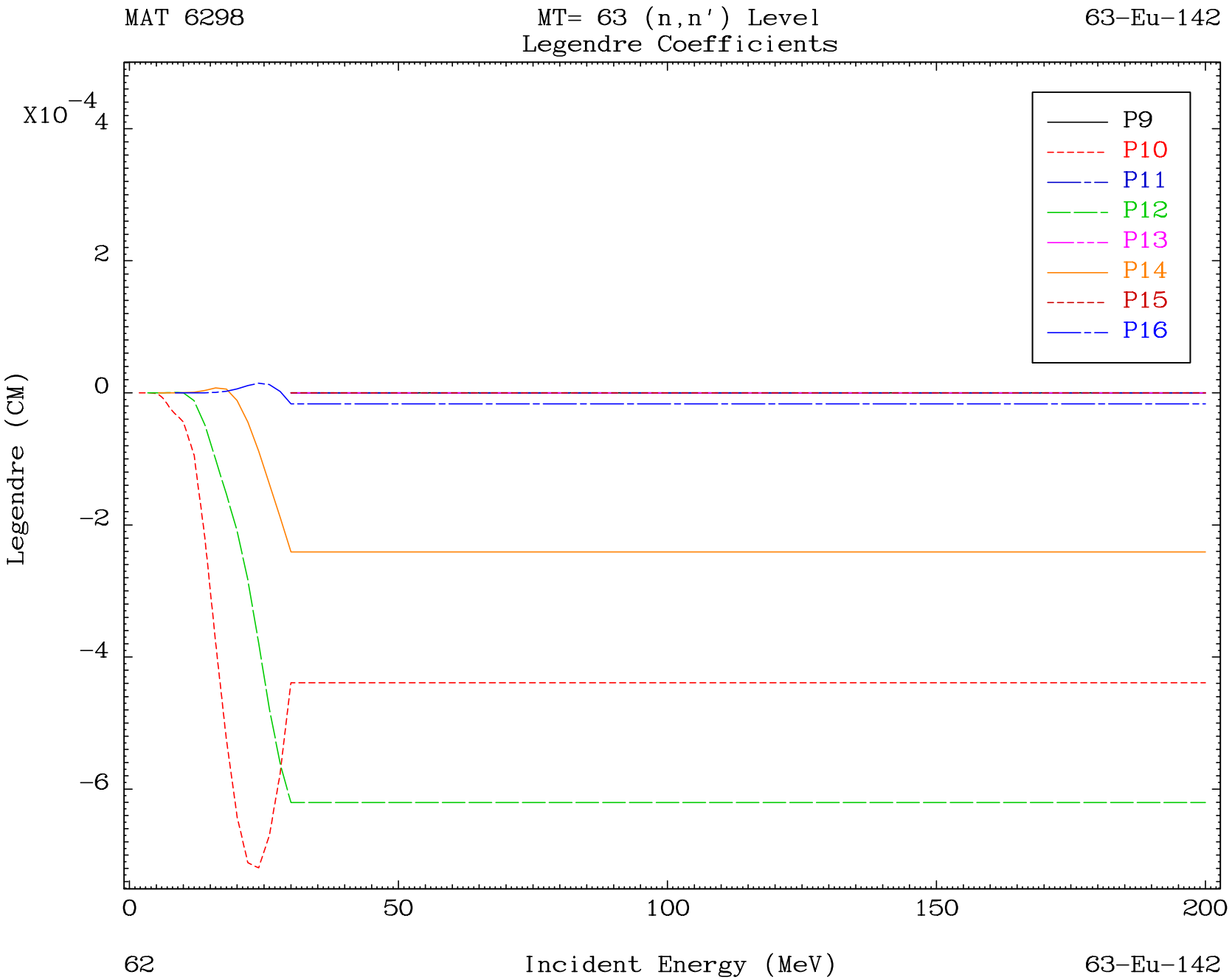

MAT 6298
MT= 61 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-6
8
6
4
2
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
57
Incident Energy (MeV)
63-Eu-142

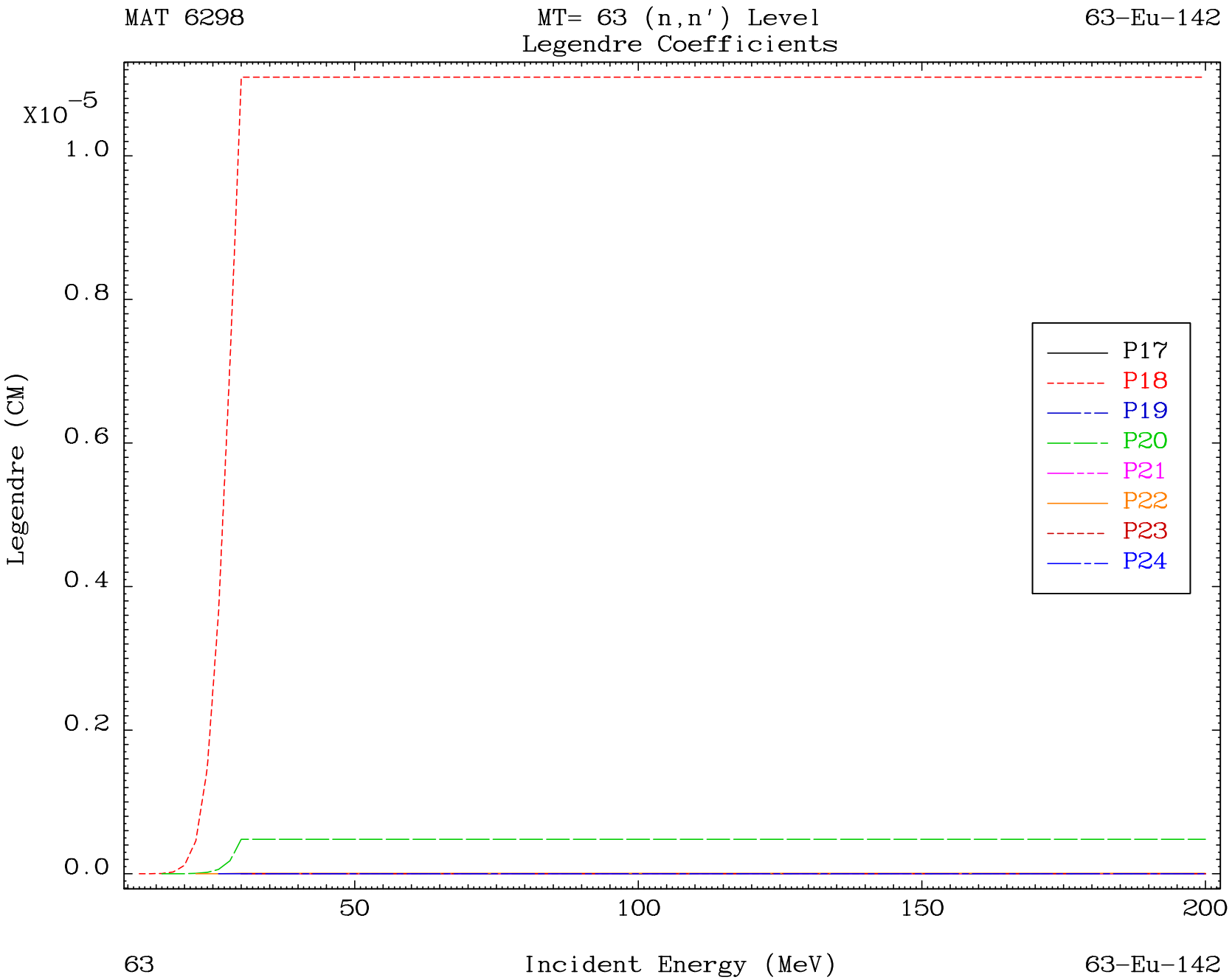

MAT 6298
MT= 62 (n,n') Level
Legendre Coefficients
63-Eu-142
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
58
Incident Energy (MeV)
63-Eu-142

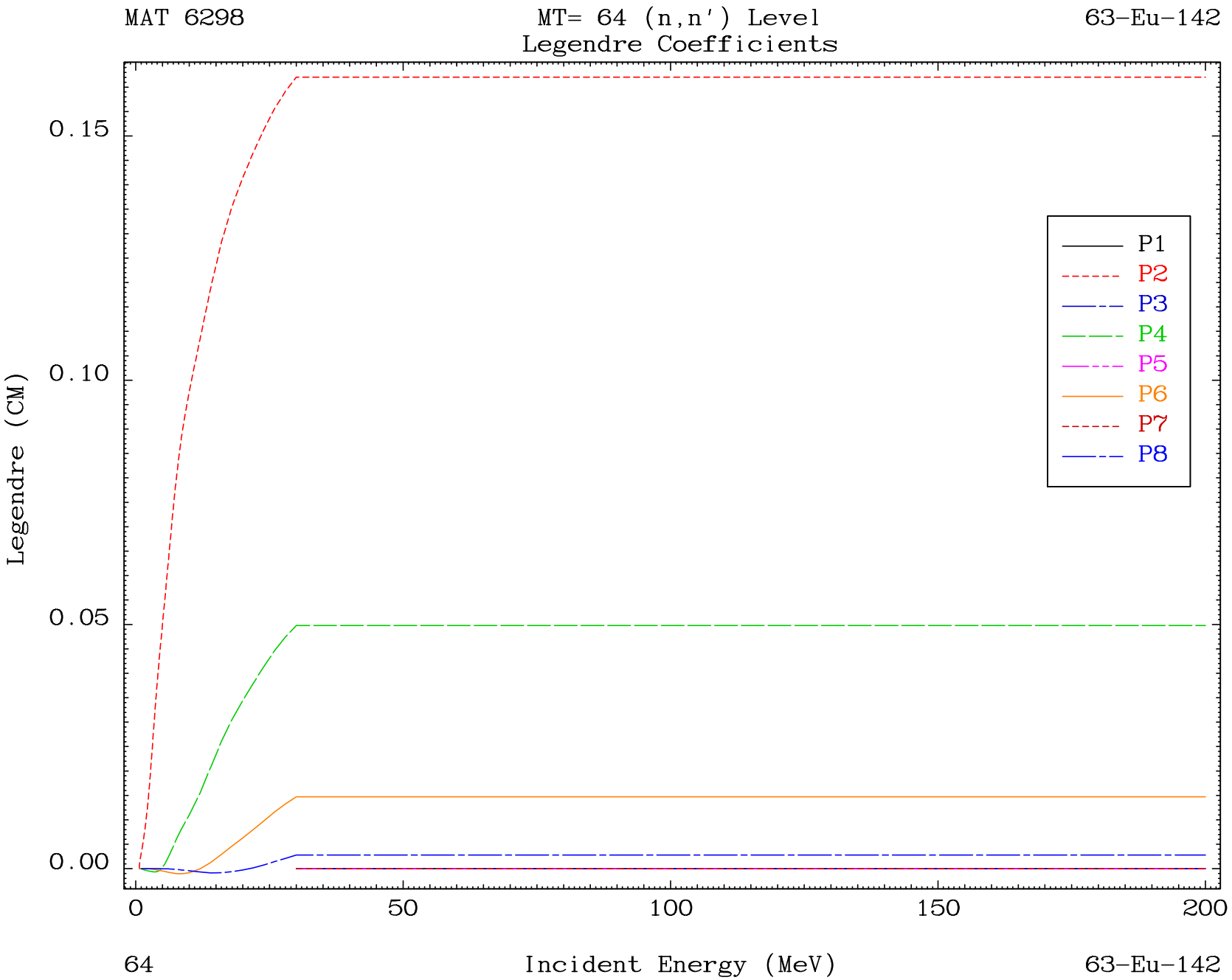

MAT 6298
MT= 62 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-4
4
2
0
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
59
Incident Energy (MeV)
63-Eu-142

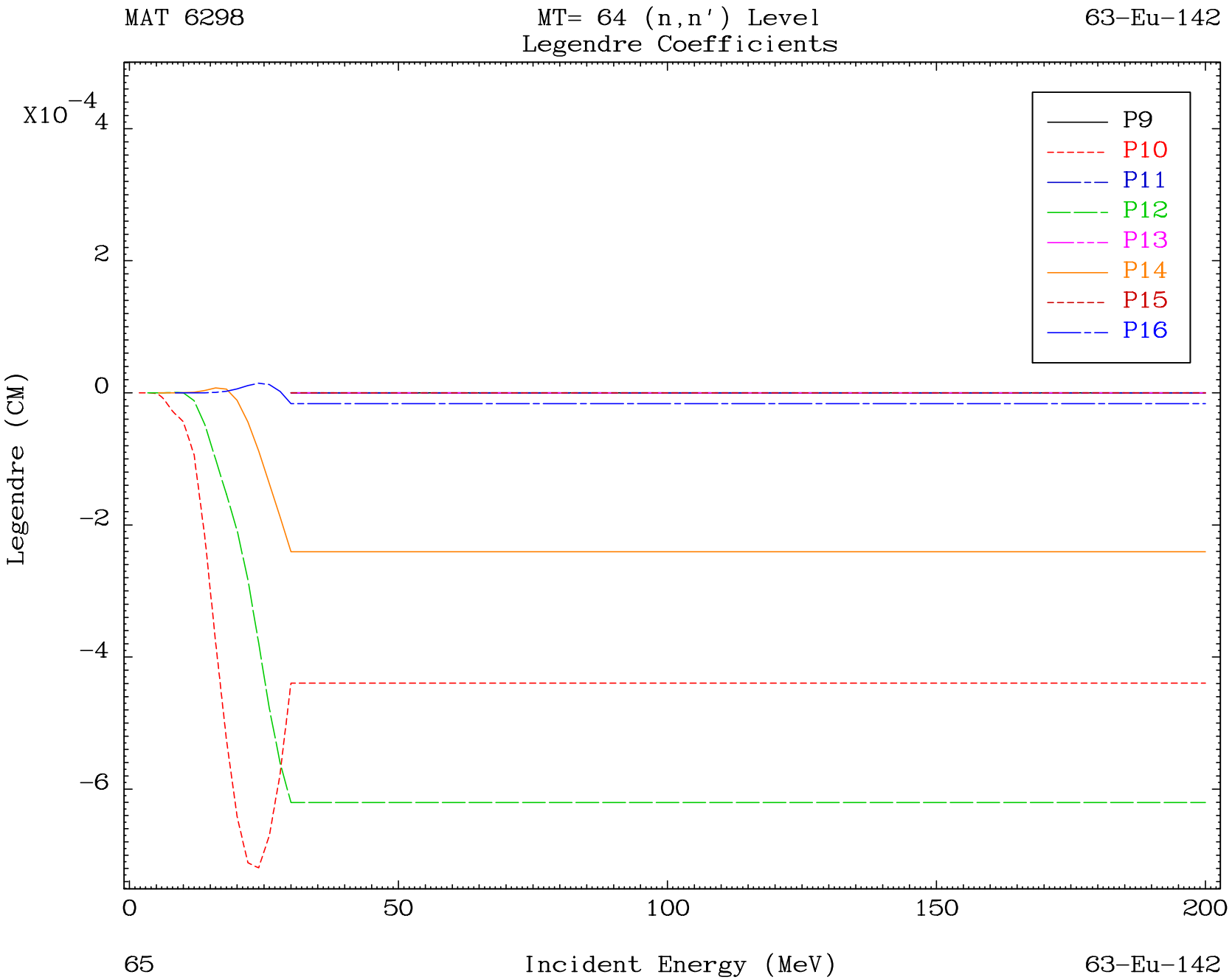

MAT 6298
MT= 62 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
60
Incident Energy (MeV)
63-Eu-142

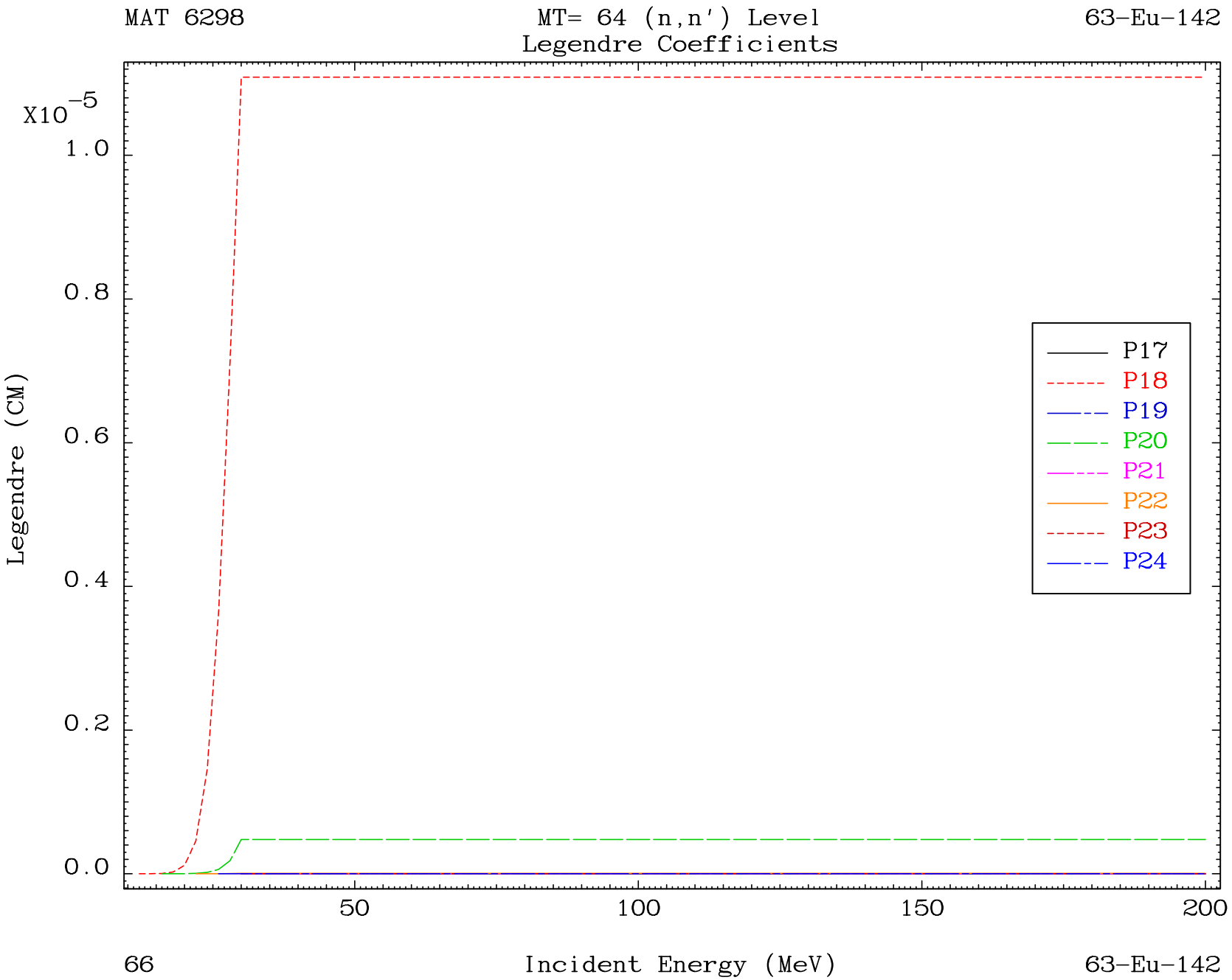

MAT 6298
MT= 63 (n,n') Level
Legendre Coefficients
63-Eu-142
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
61
Incident Energy (MeV)
63-Eu-142

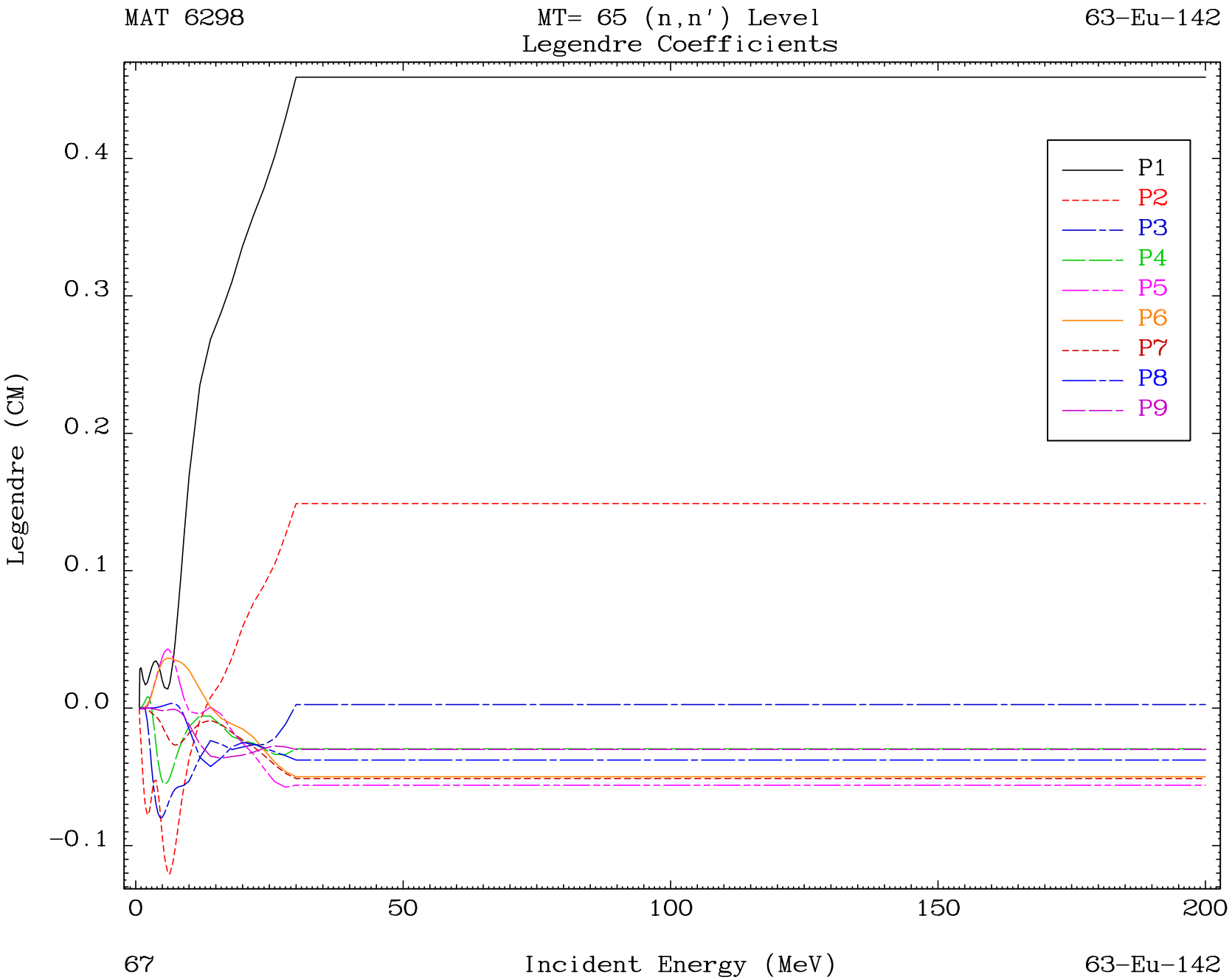

MAT 6298
MT= 63 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-4
4
2
0
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
62
Incident Energy (MeV)
63-Eu-142

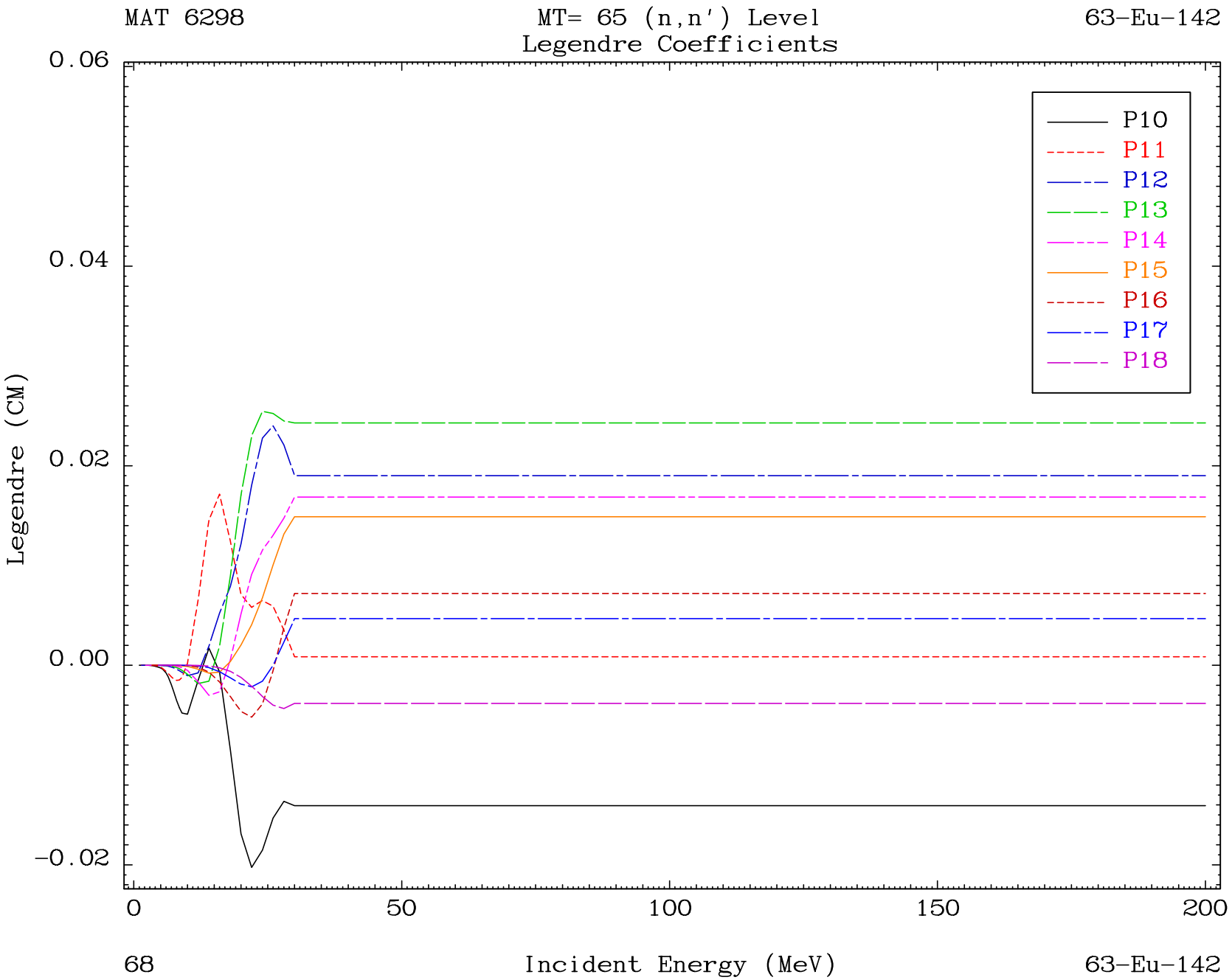

MAT 6298
MT= 63 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
63
Incident Energy (MeV)
63-Eu-142

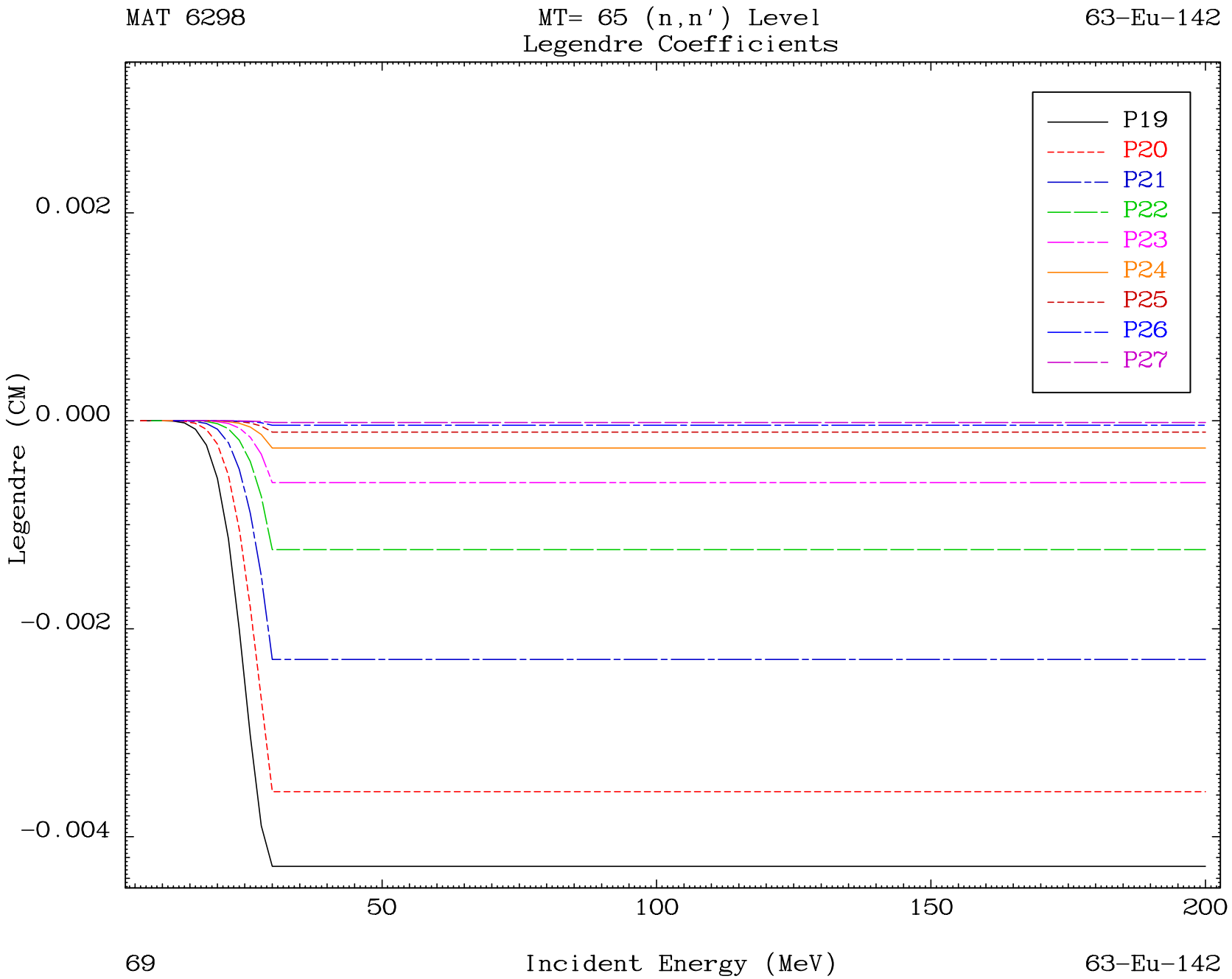

MAT 6298
MT= 64 (n,n') Level
Legendre Coefficients
63-Eu-142
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
64
Incident Energy (MeV)
63-Eu-142

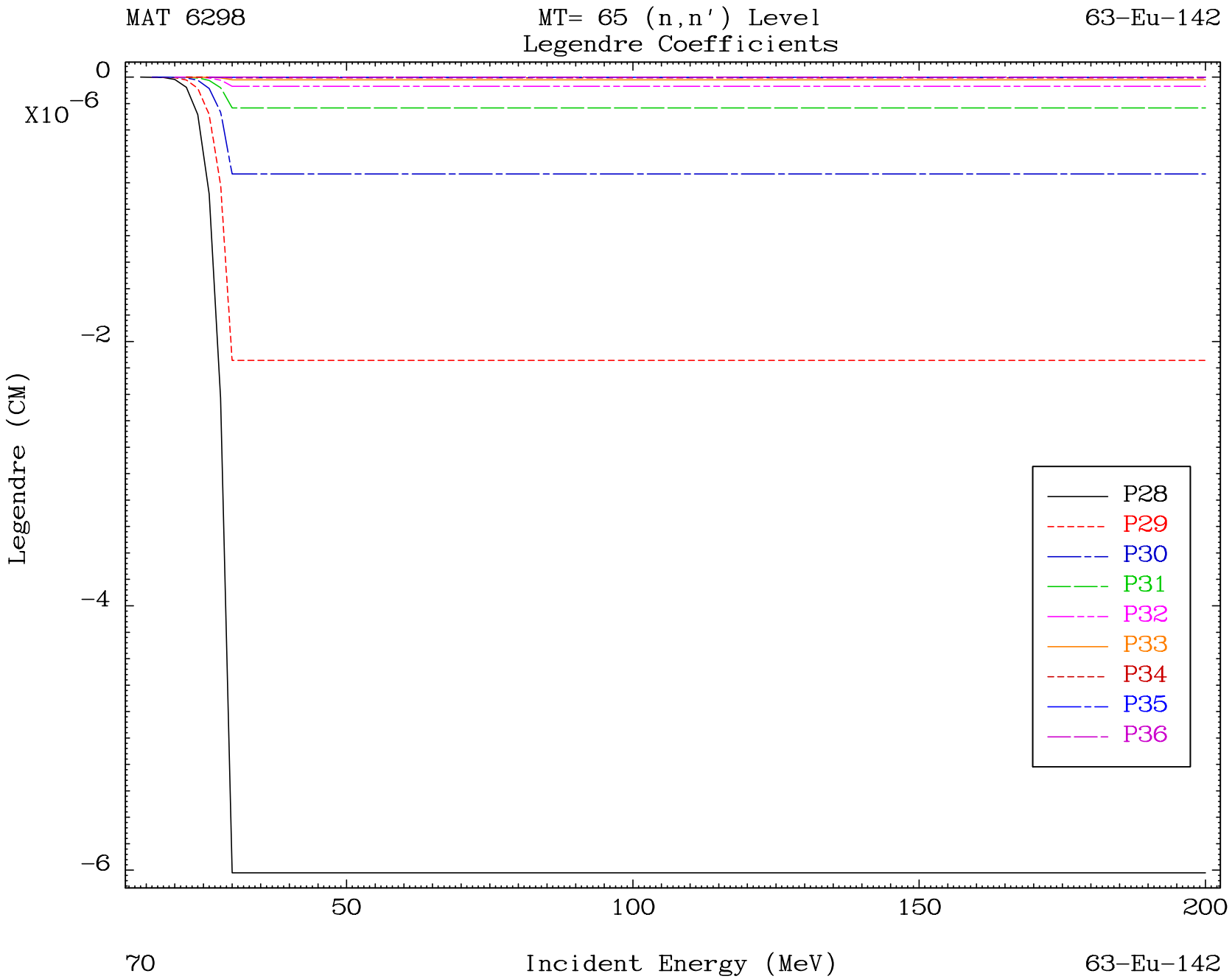

MAT 6298
MT= 64 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-4
4
2
0
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
65
Incident Energy (MeV)
63-Eu-142

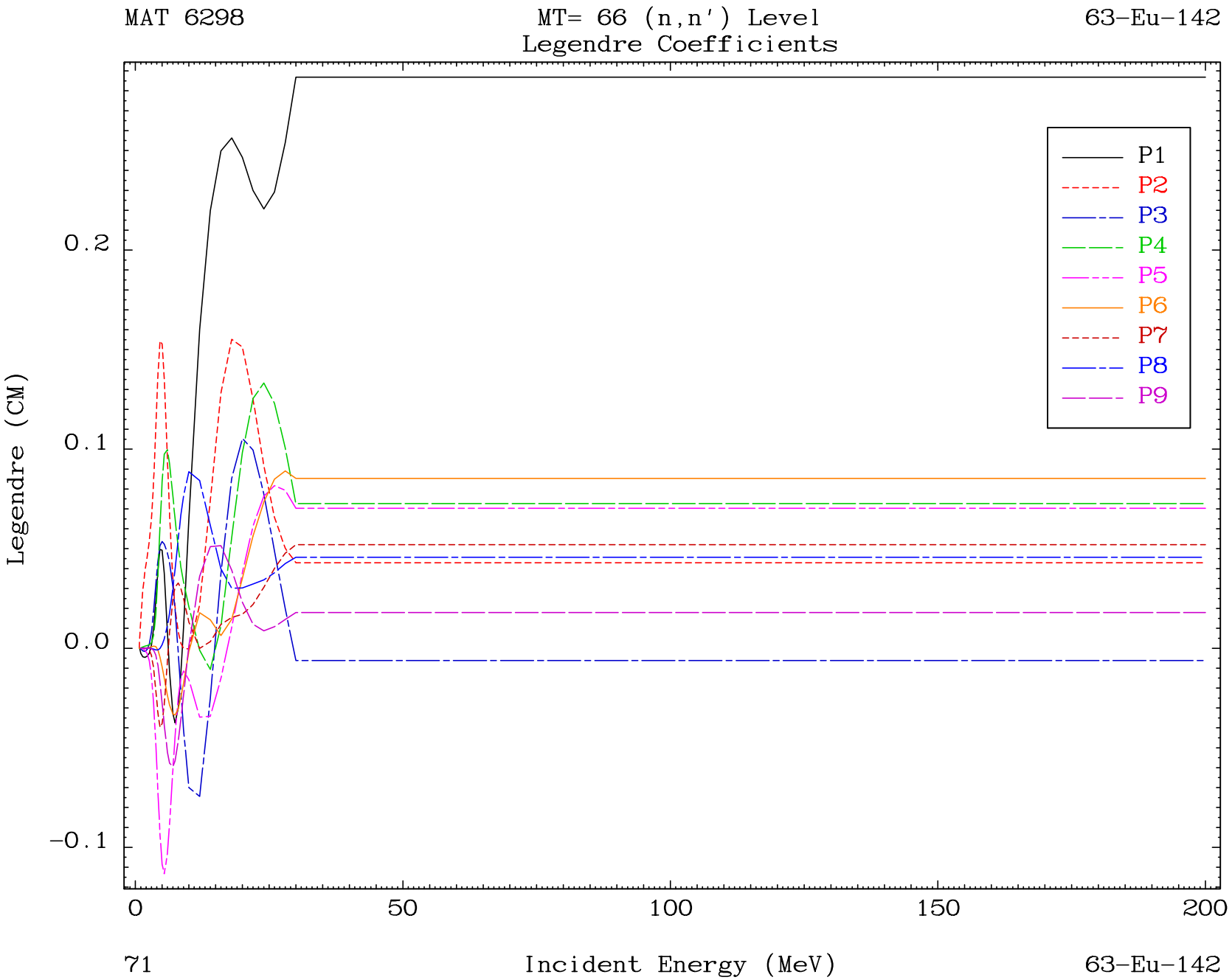

MAT 6298
MT= 64 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
66
Incident Energy (MeV)
63-Eu-142

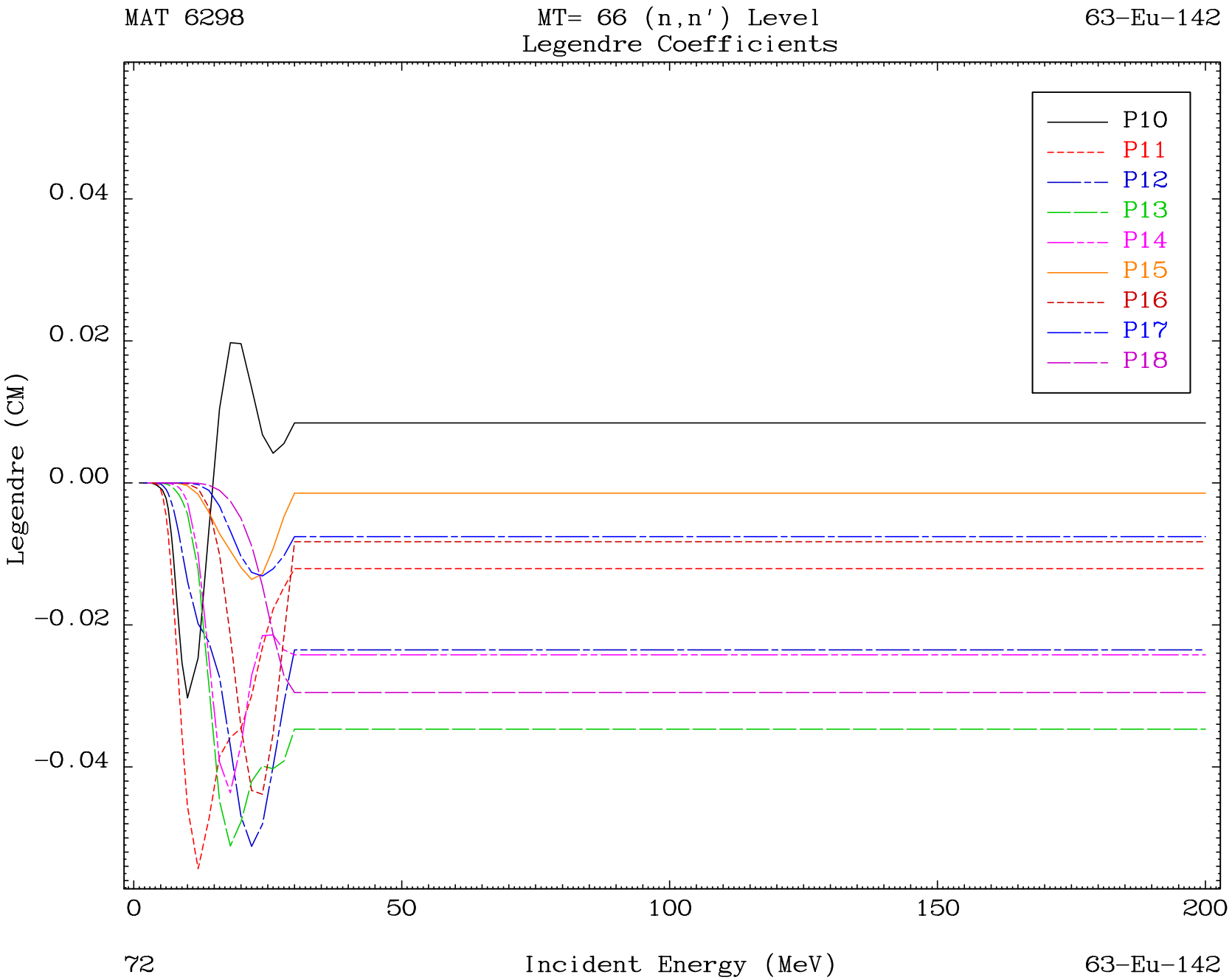

MAT 6298
MT= 65 (n,n') Level
Legendre Coefficients
63-Eu-142
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
67
Incident Energy (MeV)
63-Eu-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

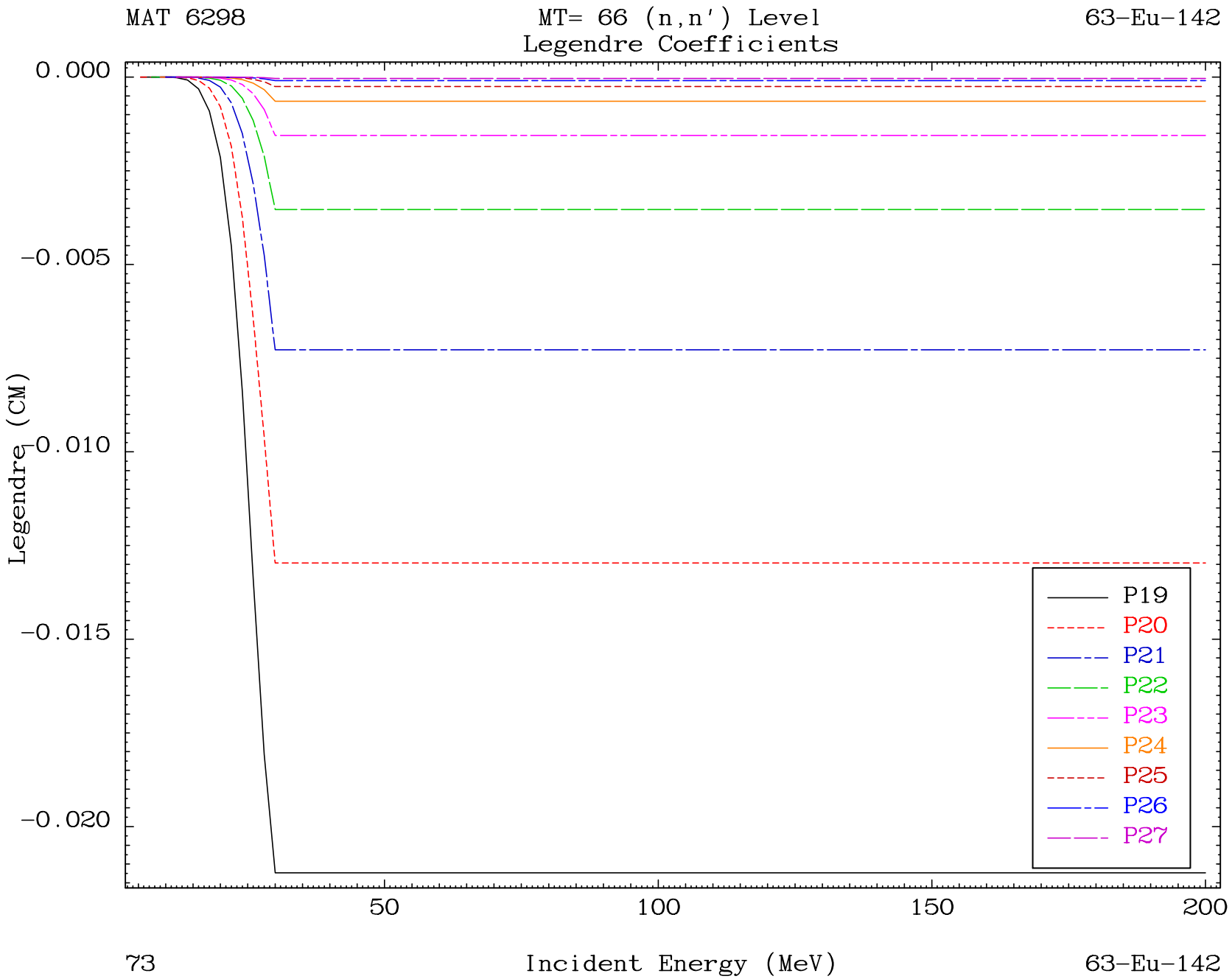

MAT 6298
MT= 65 (n,n') Level
Legendre Coefficients
63-Eu-142
0.06
0.04
0.02
0.00
-0.02
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
68
Incident Energy (MeV)
63-Eu-142

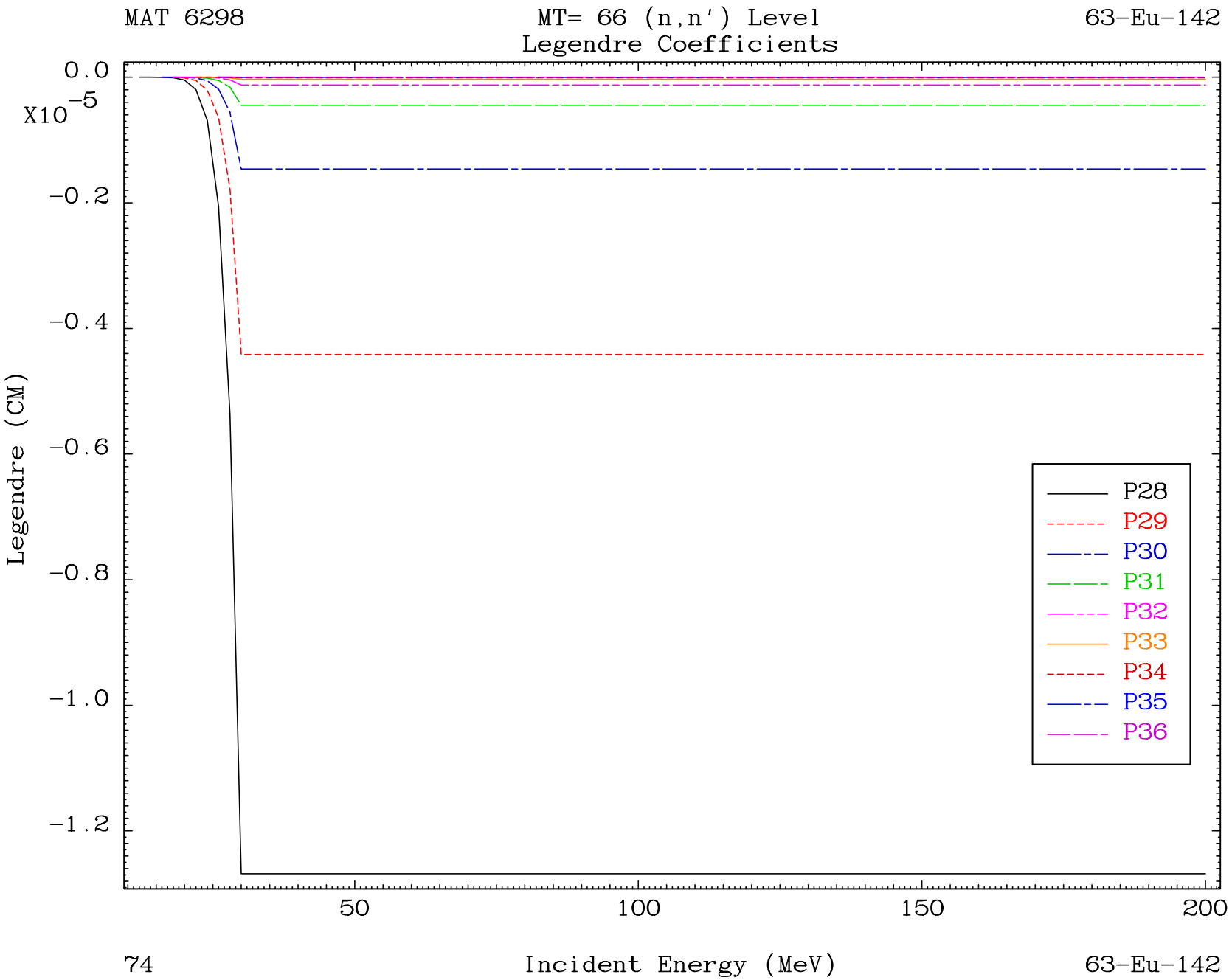

MAT 6298
MT= 65 (n,n') Level
Legendre Coefficients
63-Eu-142
P19
P20
P21
P22
P23
P24
P25
P26
P27
0.002
0.000
-0.002
-0.004
Legendre (CM)
50
100
150
200
69
Incident Energy (MeV)
63-Eu-142

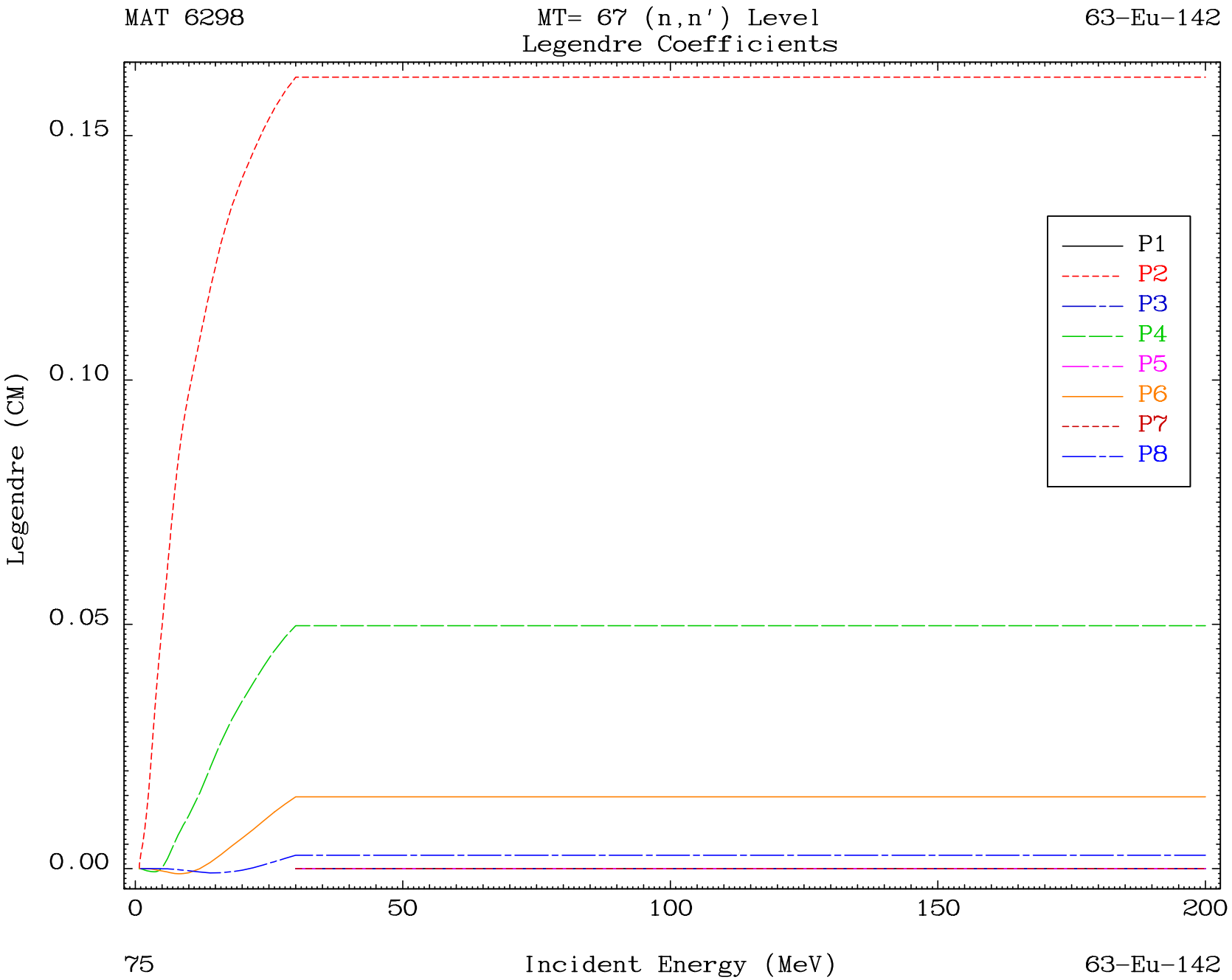

MAT 6298
MT= 65 (n,n') Level
Legendre Coefficients
63-Eu-142
0
X10 −6
−2
−4
−6
Legendre (CM)
50
100
150
200
70
Incident Energy (MeV)
63-Eu-142
P28
P29
P30
P31
P32
P33
P34
P35
P36

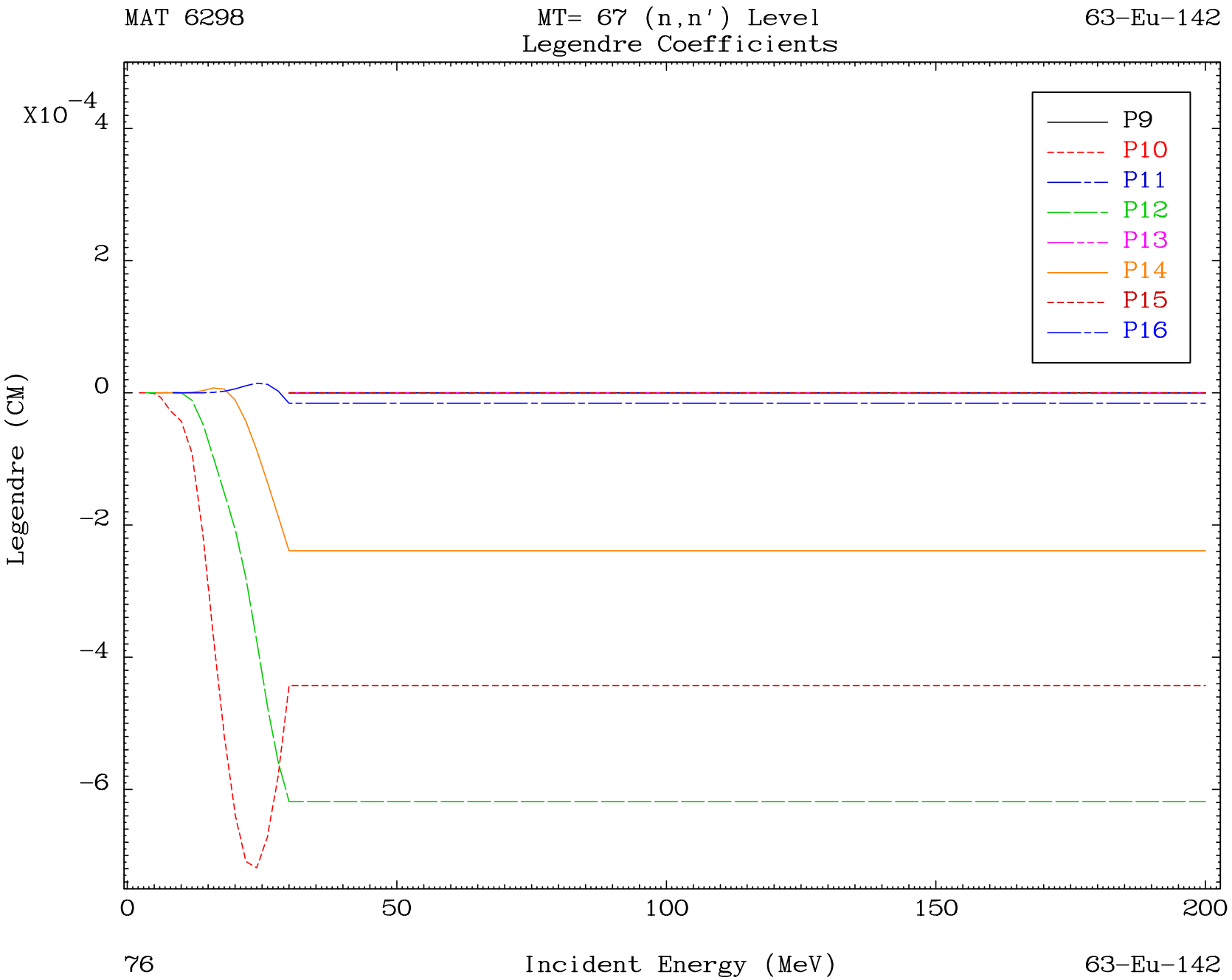

MAT 6298
MT= 66 (n,n') Level
Legendre Coefficients
63-Eu-142
Legendre (CM)
0.2
0.1
0.0
-0.1
0
50
100
150
200
71
Incident Energy (MeV)
63-Eu-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

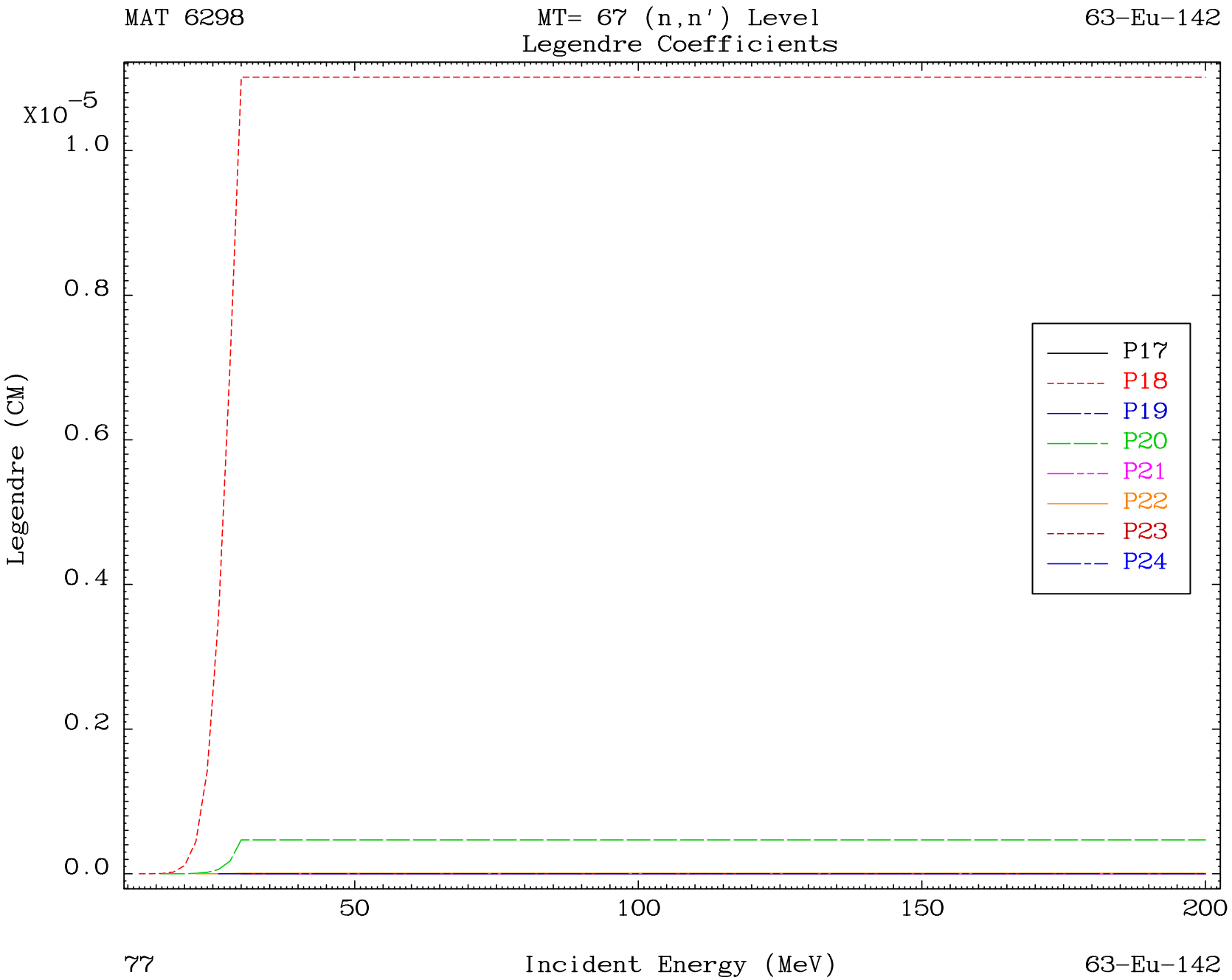

MAT 6298
MT= 66 (n,n') Level
Legendre Coefficients
63-Eu-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
72
Incident Energy (MeV)
63-Eu-142

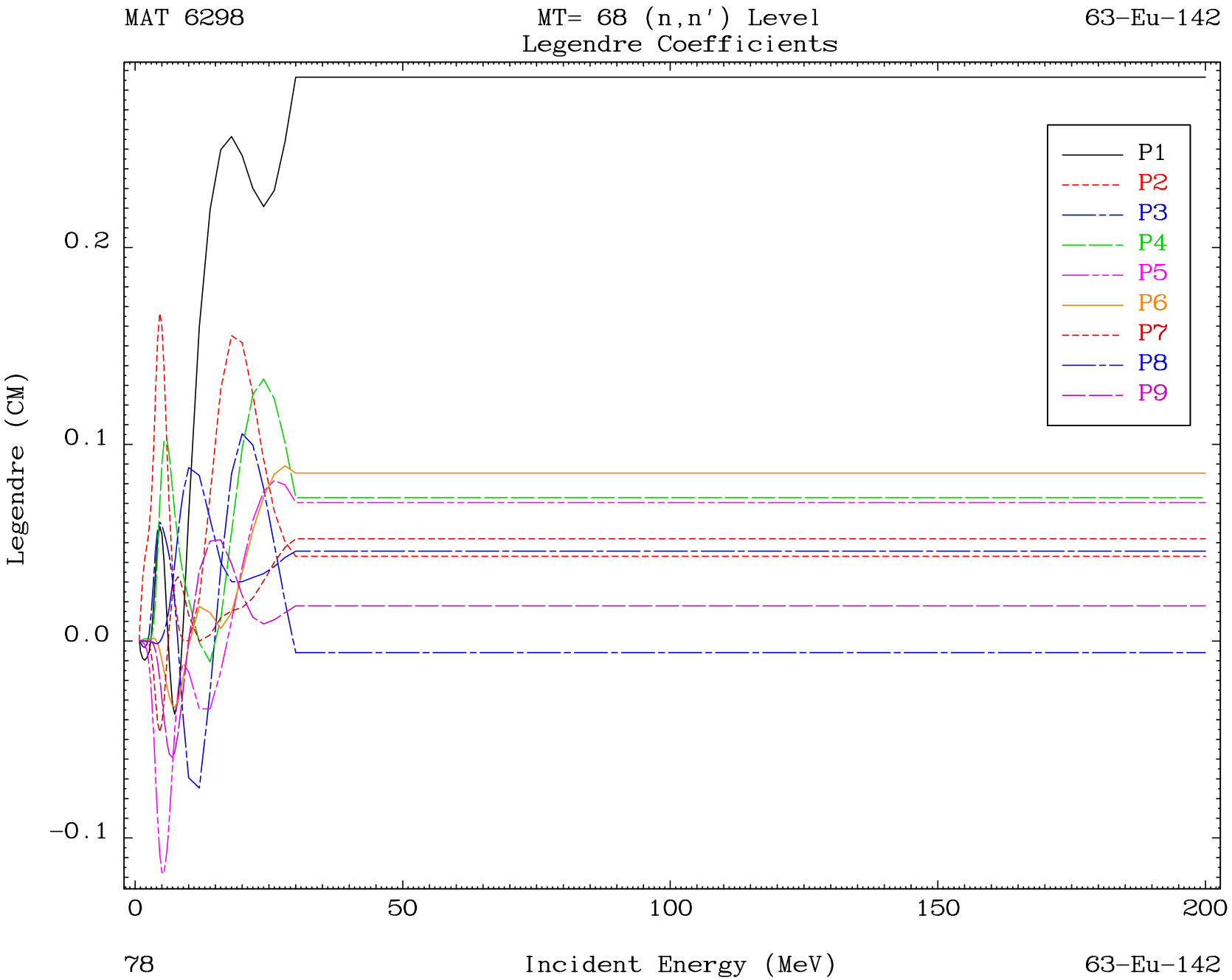

MAT 6298
MT= 66 (n,n') Level
Legendre Coefficients
63-Eu-142
0.000
-0.005
-0.010
-0.015
-0.020
Legendre (CM)
50
100
150
200
73
Incident Energy (MeV)
63-Eu-142
P19
P20
P21
P22
P23
P24
P25
P26
P27

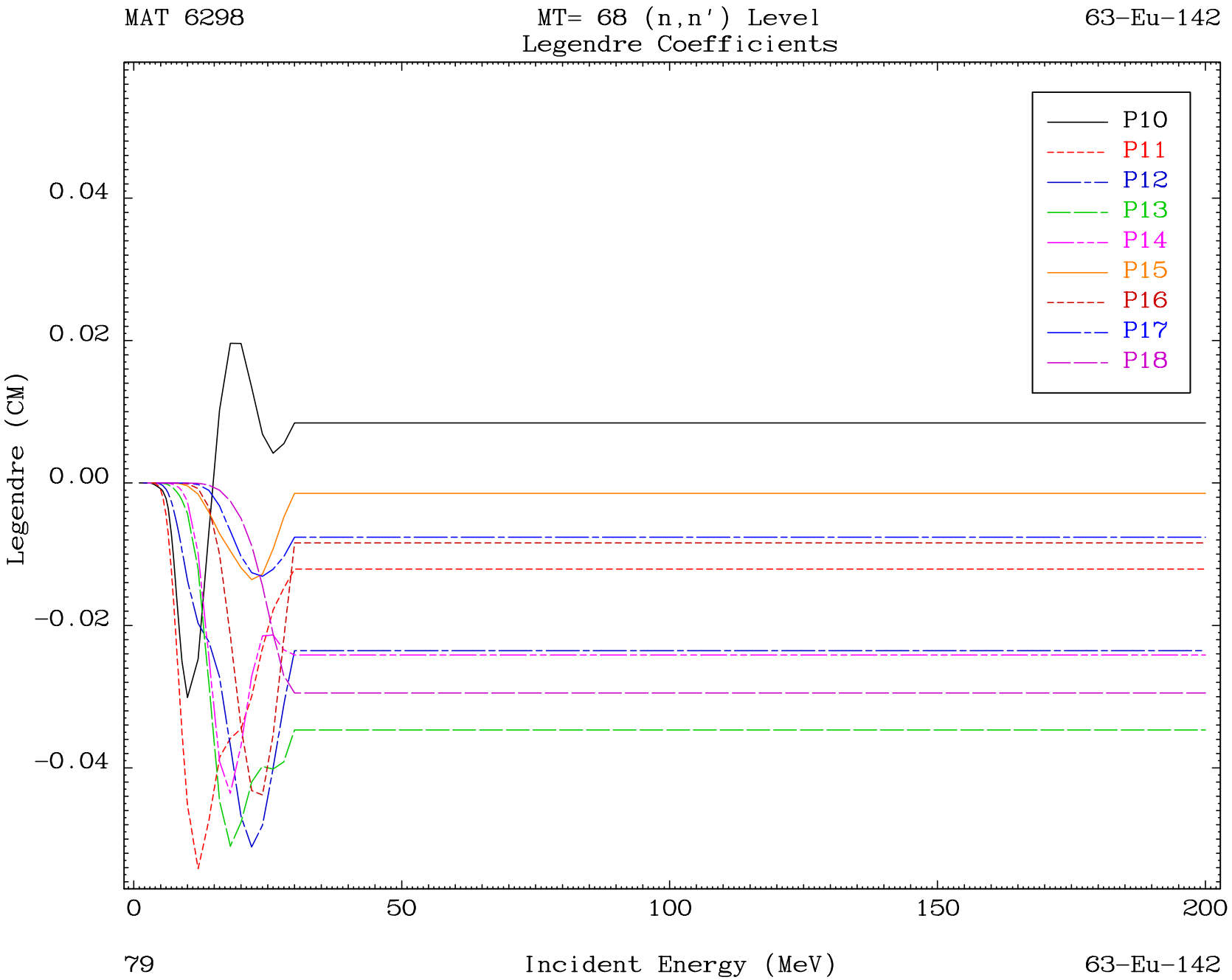

MAT 6298
MT= 66 (n,n') Level
Legendre Coefficients
63-Eu-142
0.0
X10^-5
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
74
Incident Energy (MeV)
63-Eu-142
P28
P29
P30
P31
P32
P33
P34
P35
P36

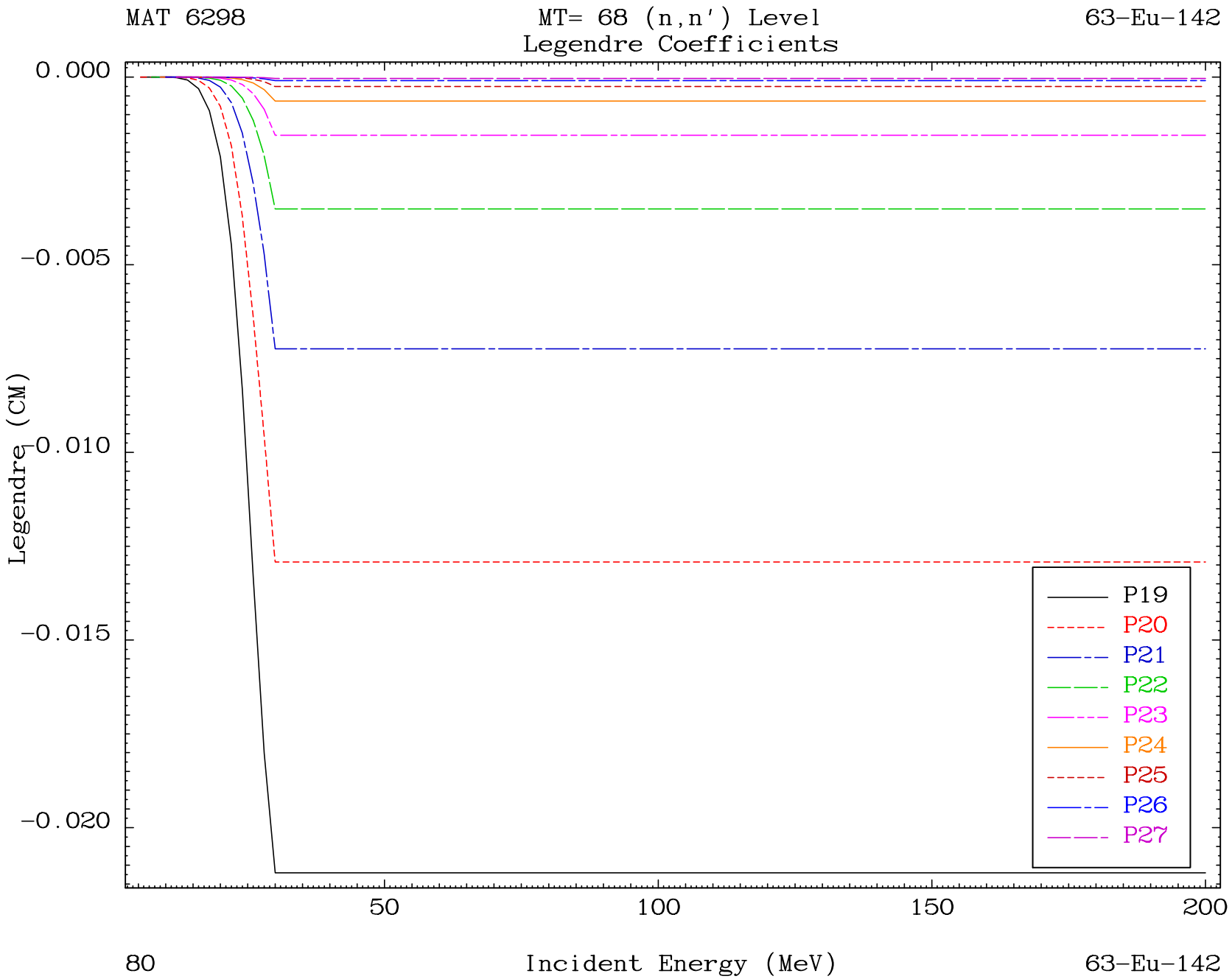

MAT 6298
MT= 67 (n,n') Level
Legendre Coefficients
63-Eu-142
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
75
Incident Energy (MeV)
63-Eu-142

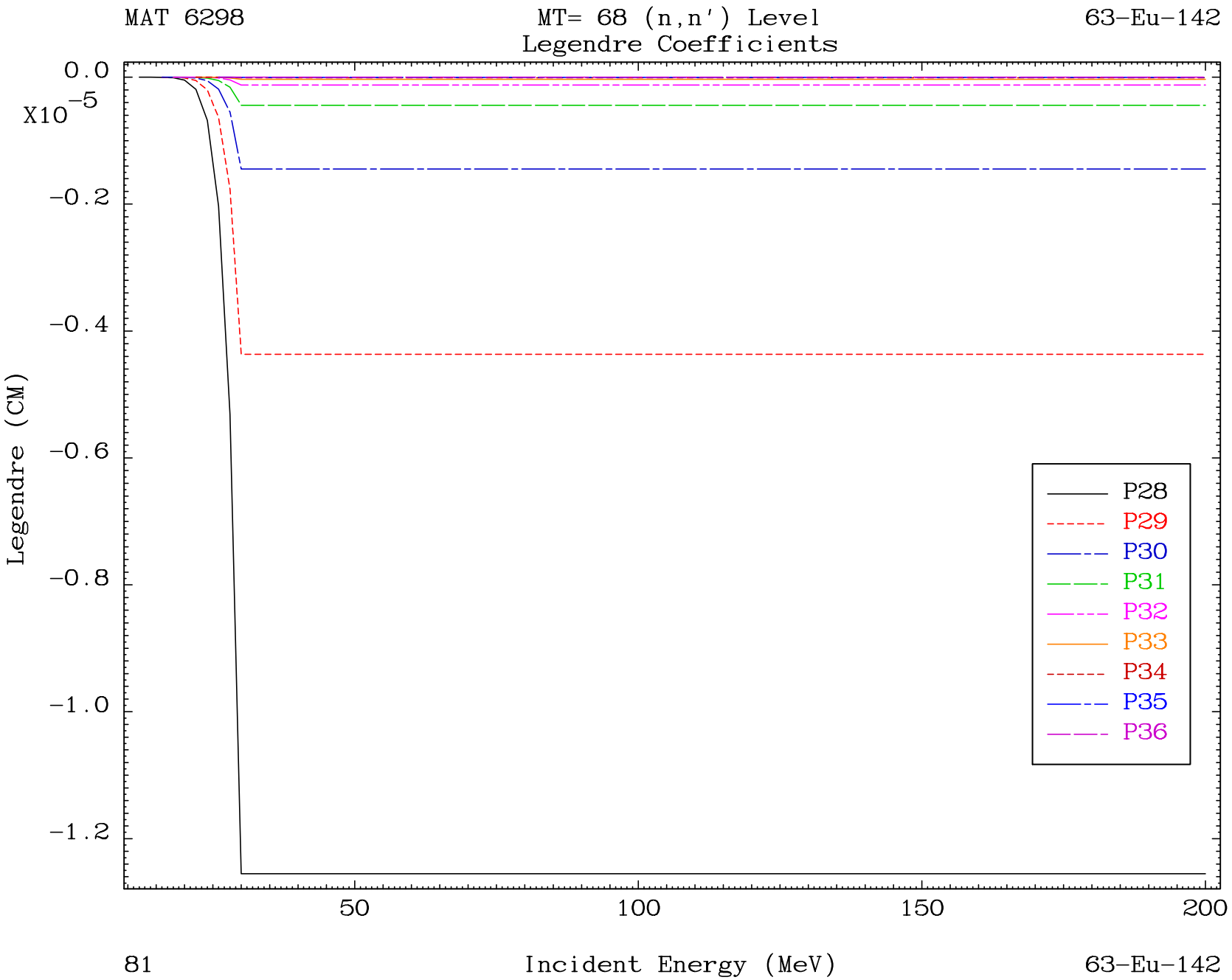

MAT 6298
MT= 67 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-4
4
2
0
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
76
Incident Energy (MeV)
63-Eu-142

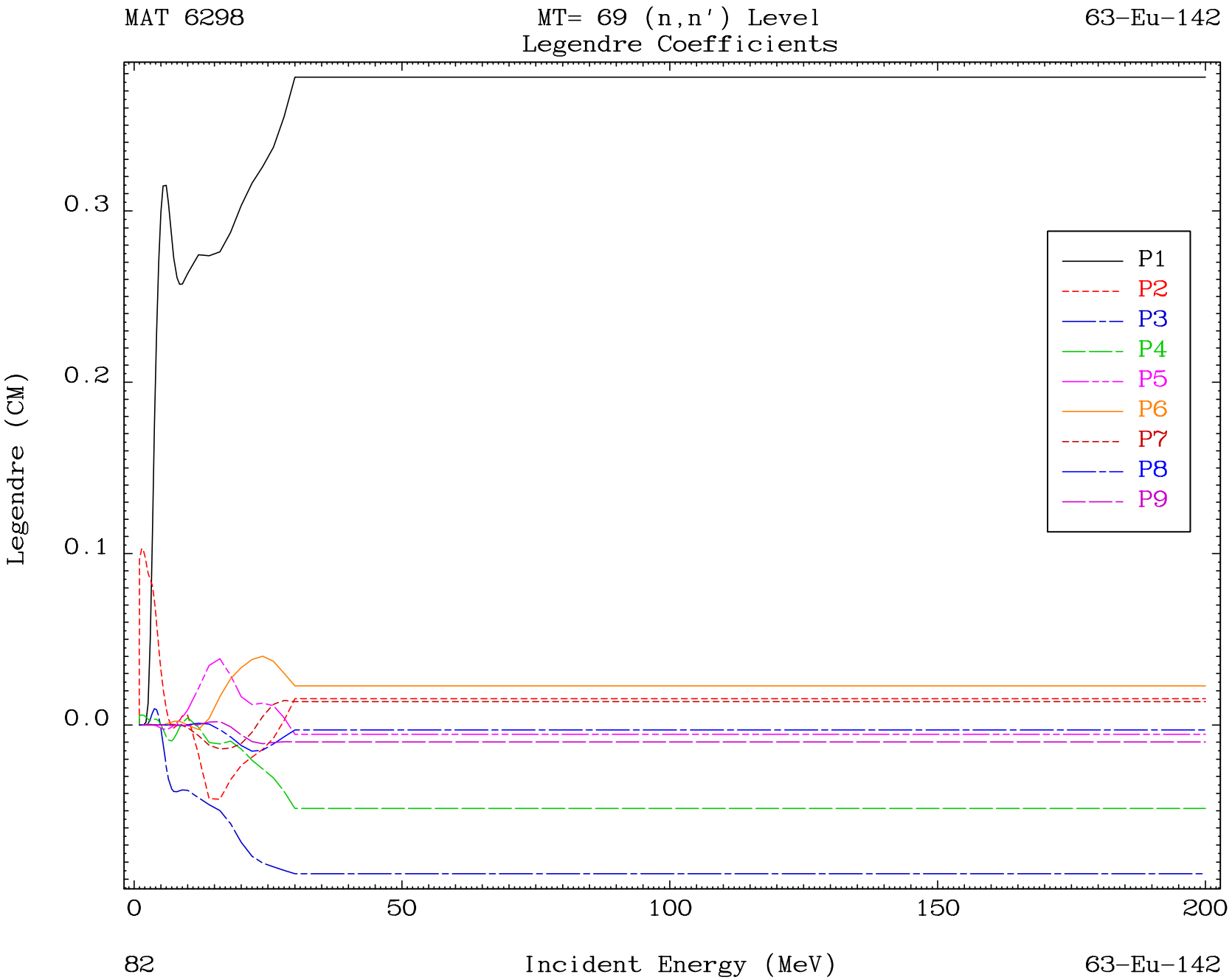

MAT 6298
MT= 67 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
50
100
150
200
77
Incident Energy (MeV)
63-Eu-142
P17
P18
P19
P20
P21
P22
P23
P24

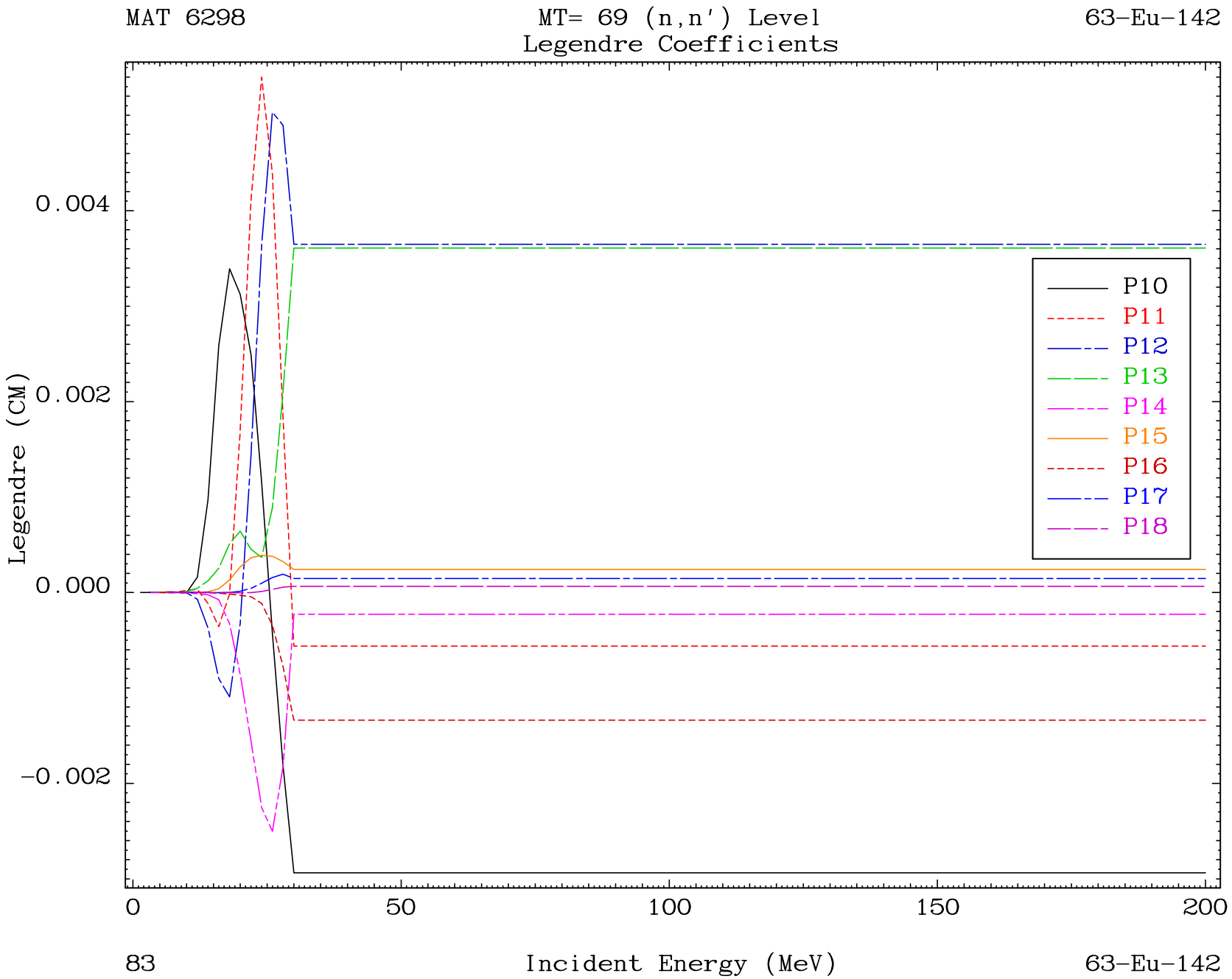

MAT 6298
MT= 68 (n,n') Level
Legendre Coefficients
63-Eu-142
Legendre (CM)
0.2
0.1
0.0
-0.1
0
50
100
150
200
78
Incident Energy (MeV)
63-Eu-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

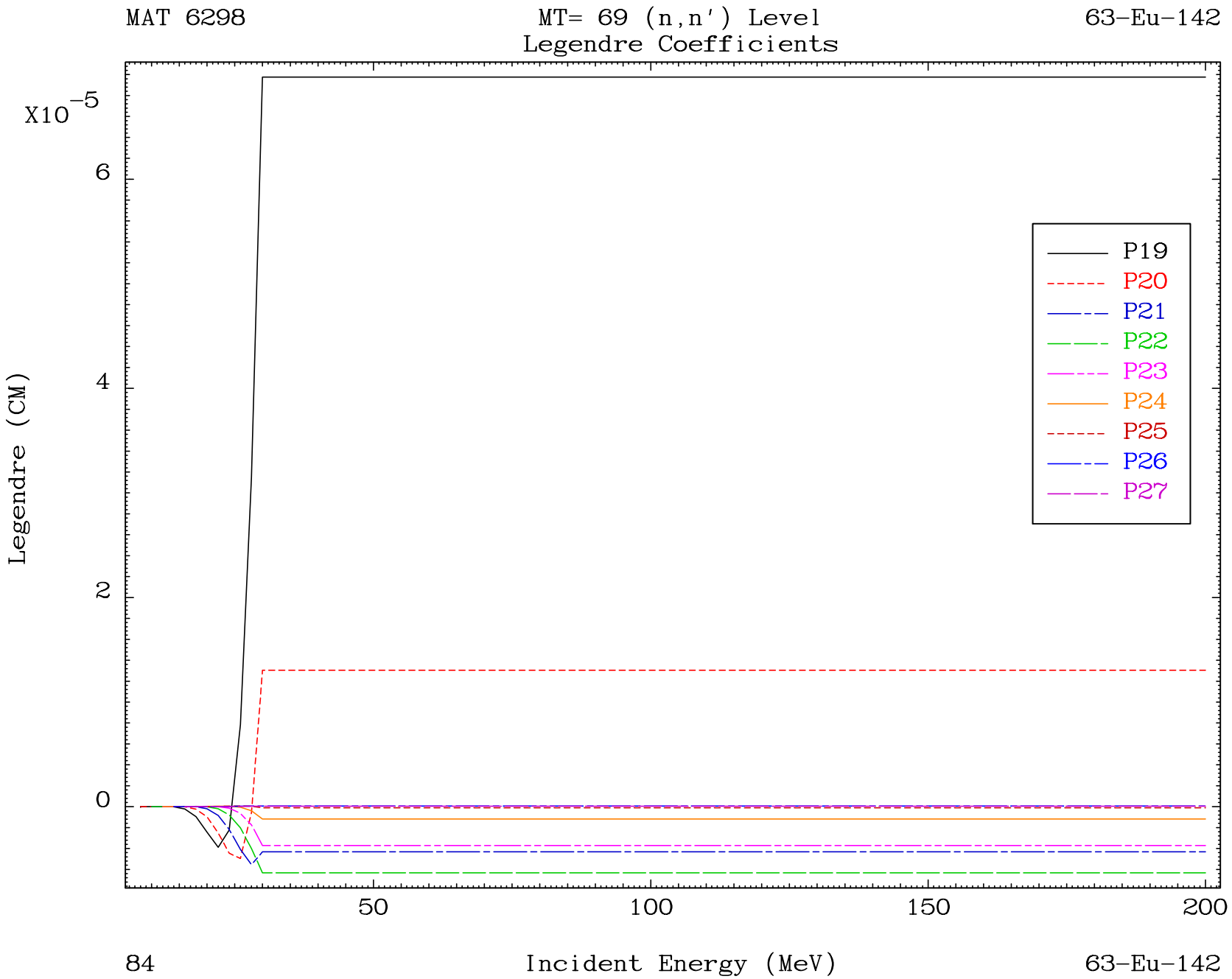

MAT 6298
MT= 68 (n,n') Level
Legendre Coefficients
63-Eu-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.04
0.02
0.00
-0.02
-0.04
Legendre (CM)
0
50
100
150
200
79
Incident Energy (MeV)
63-Eu-142

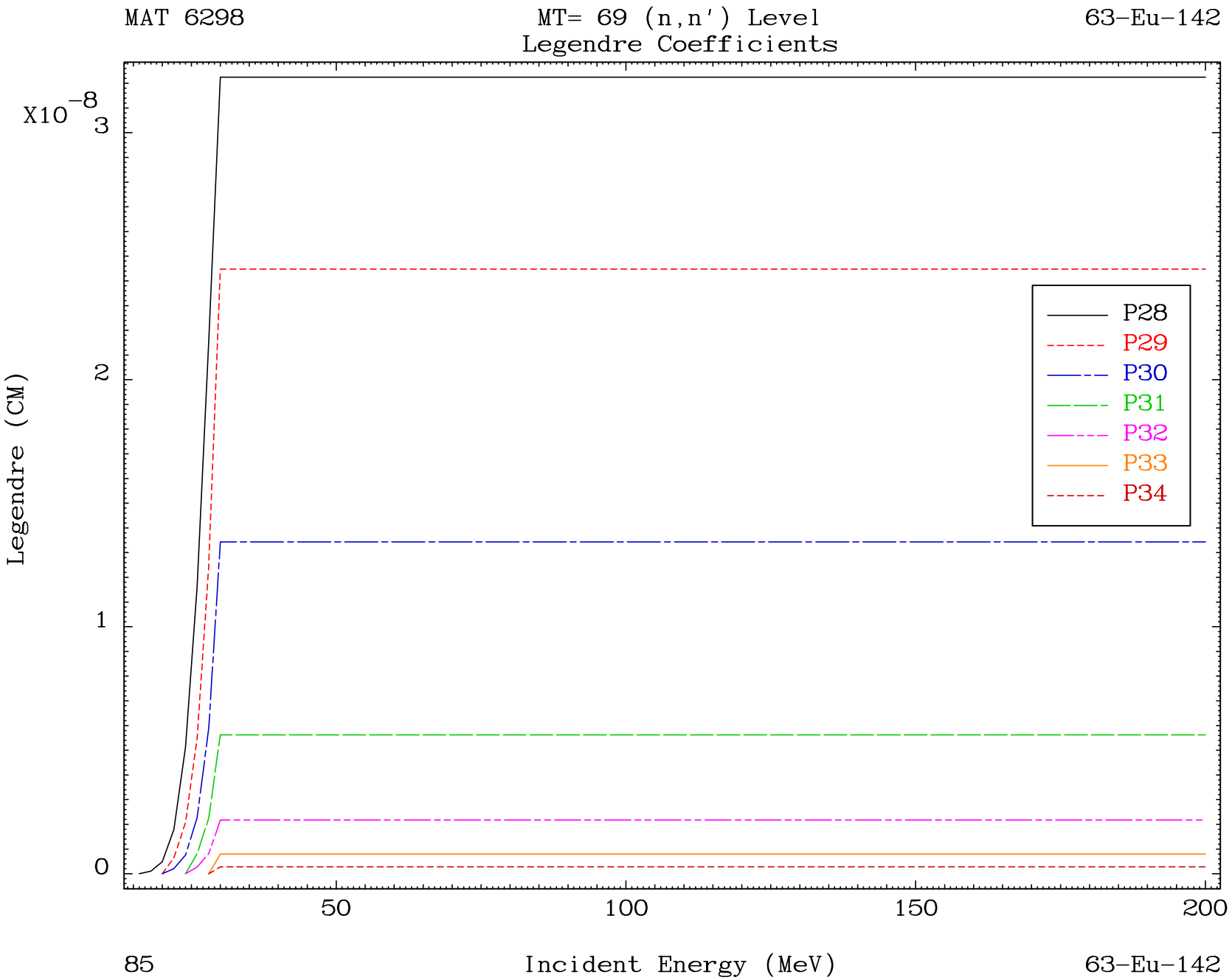

MAT 6298
MT= 68 (n,n') Level
Legendre Coefficients
63-Eu-142
0.000
-0.005
-0.010
-0.015
-0.020
Legendre (CM)
50
100
150
200
80
Incident Energy (MeV)
63-Eu-142
P19
P20
P21
P22
P23
P24
P25
P26
P27

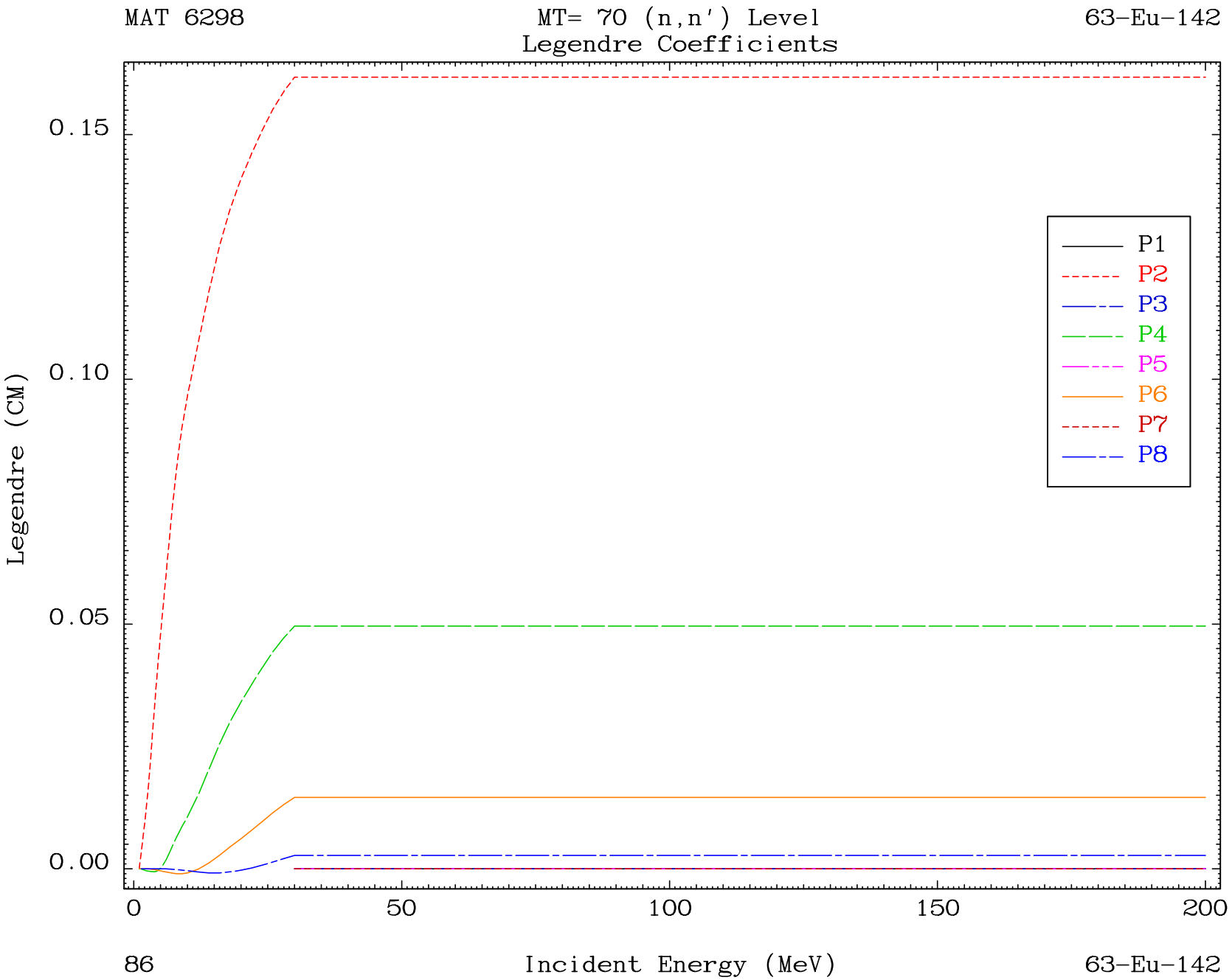

MAT 6298
MT= 68 (n,n') Level
Legendre Coefficients
63-Eu-142
0.0
X10^-5
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
Legendre (CM)
50
100
150
200
81
Incident Energy (MeV)
63-Eu-142
P28
P29
P30
P31
P32
P33
P34
P35
P36

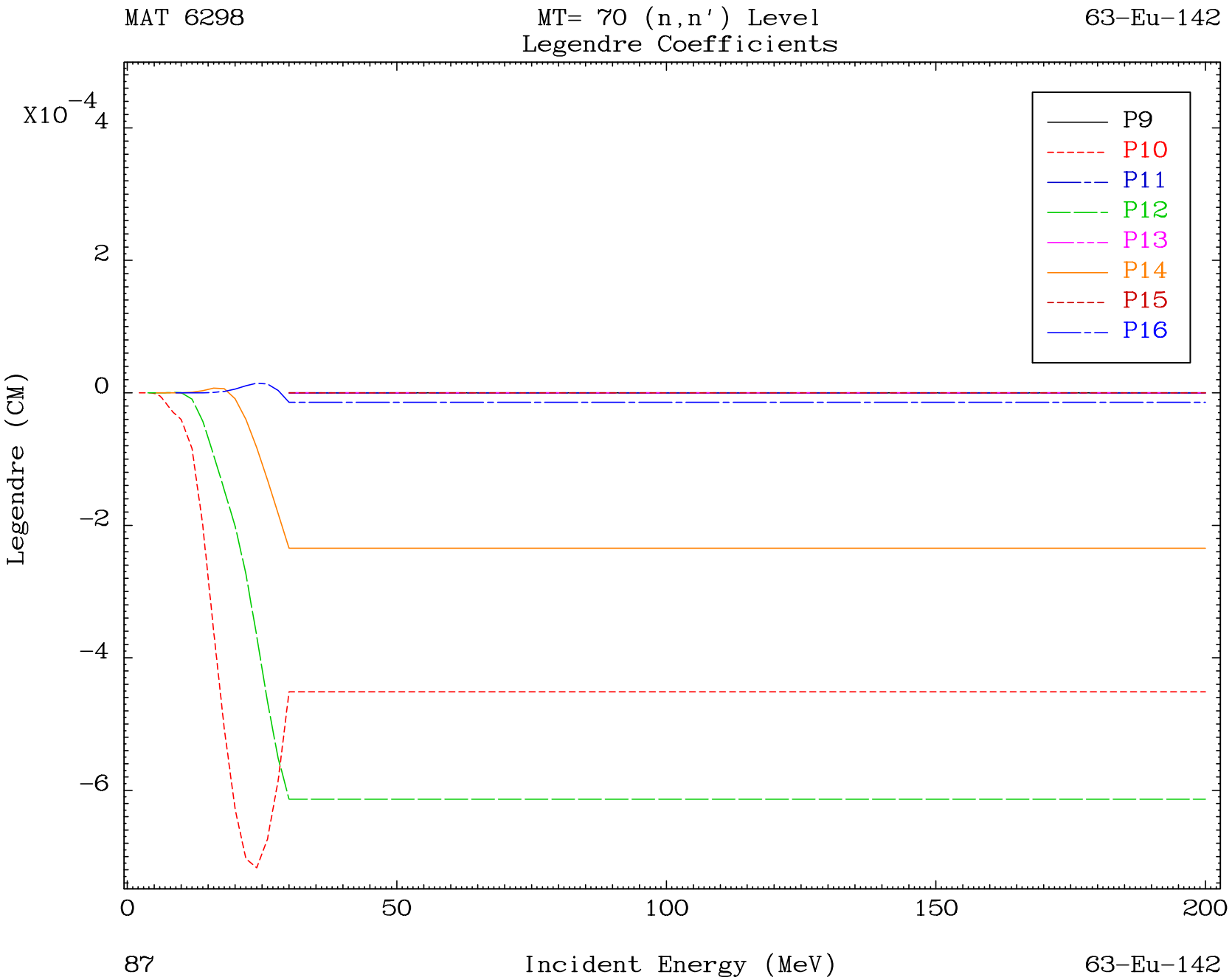

MAT 6298
MT= 69 (n,n') Level
Legendre Coefficients
63-Eu-142
Legendre (CM)
0.3
0.2
0.1
0.0
0
50
100
150
200
P1
P2
P3
P4
P5
P6
P7
P8
P9
82
Incident Energy (MeV)
63-Eu-142

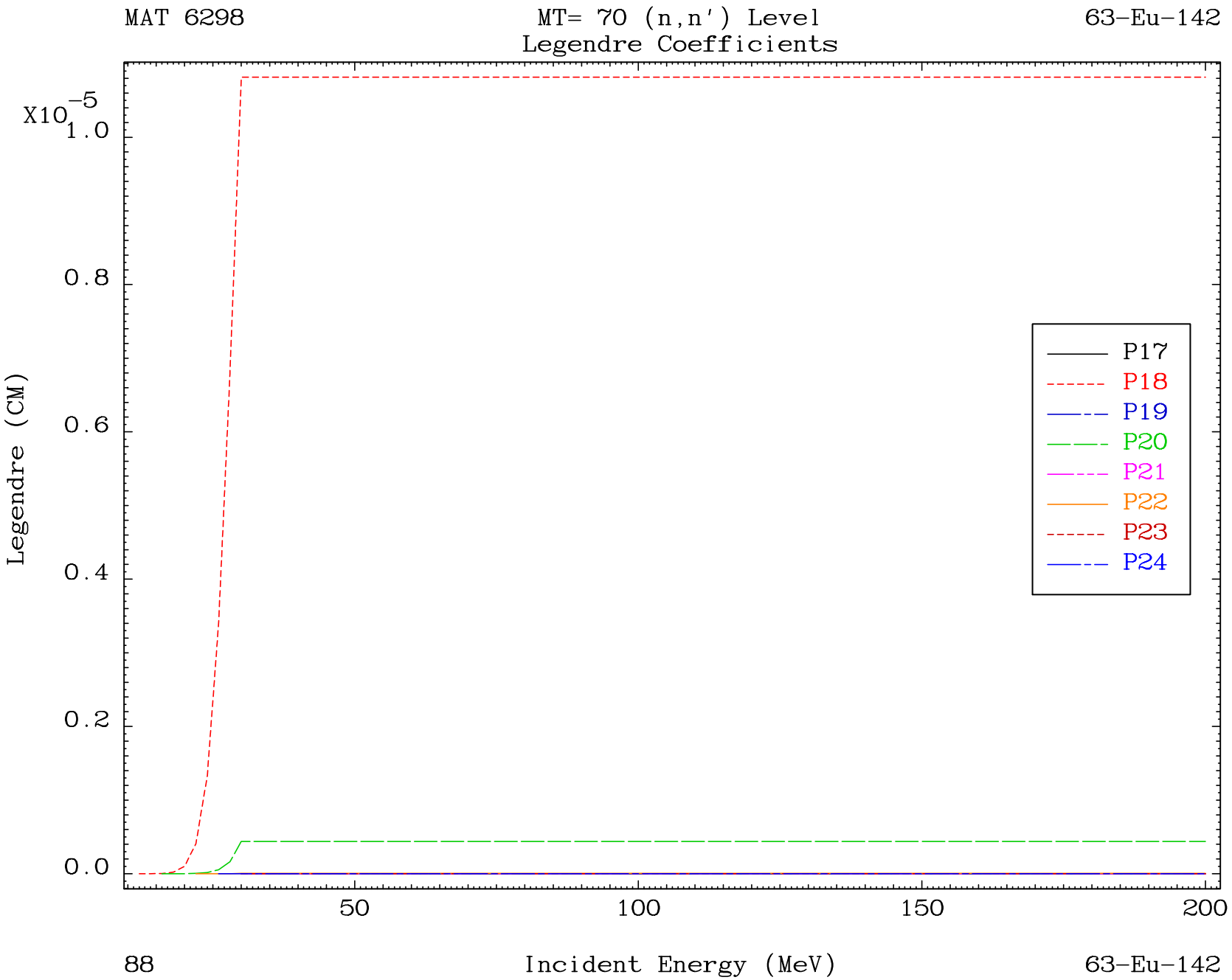

MAT 6298
MT= 69 (n,n') Level
Legendre Coefficients
63-Eu-142
0.004
0.002
0.000
-0.002
Legendre (CM)
P10
P11
P12
P13
P14
P15
P16
P17
P18
0
50
100
150
200
83
Incident Energy (MeV)
63-Eu-142

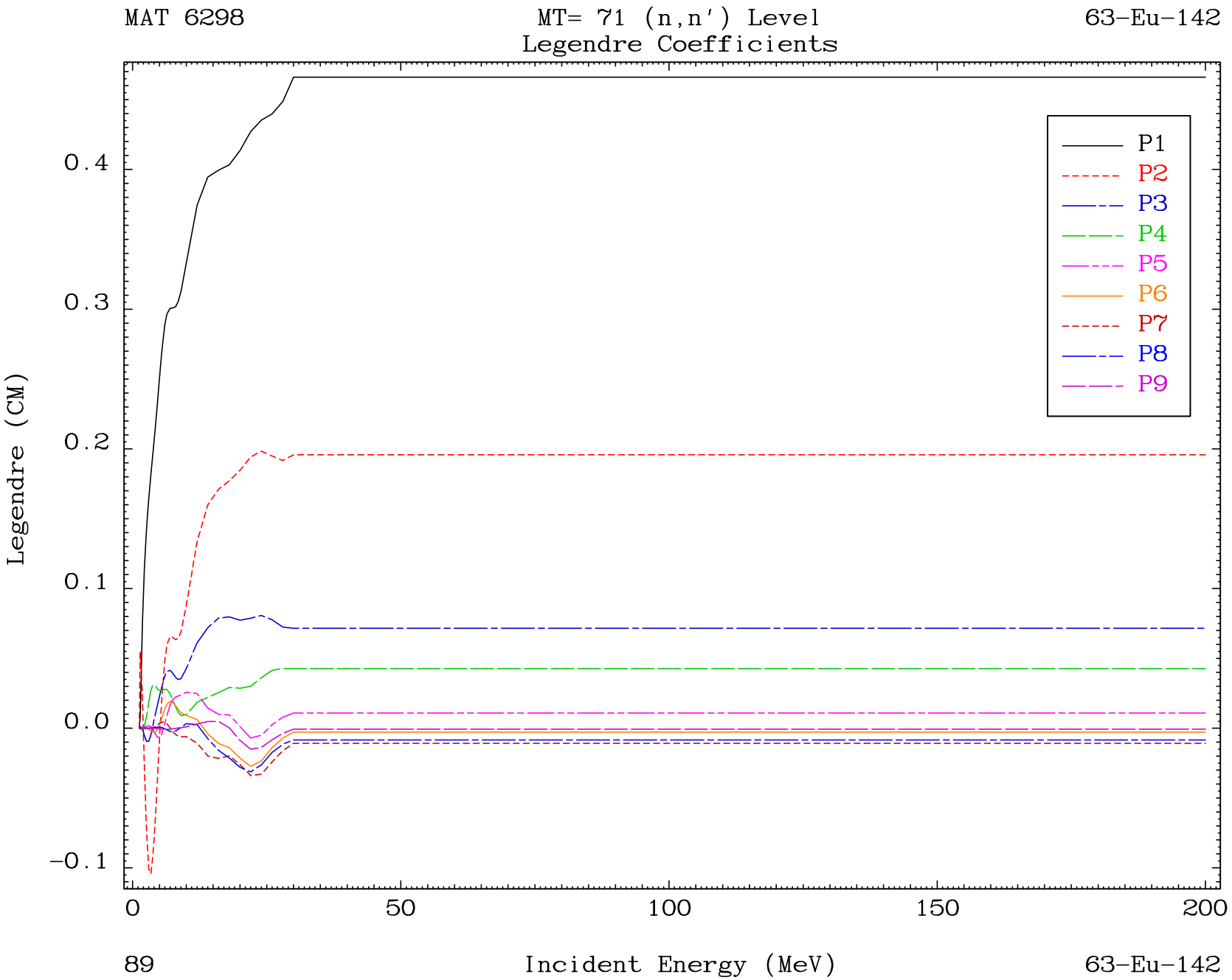

MAT 6298
MT= 69 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-5
6
4
2
0
Legendre (CM)
P19
P20
P21
P22
P23
P24
P25
P26
P27
50
100
150
200
84
Incident Energy (MeV)
63-Eu-142

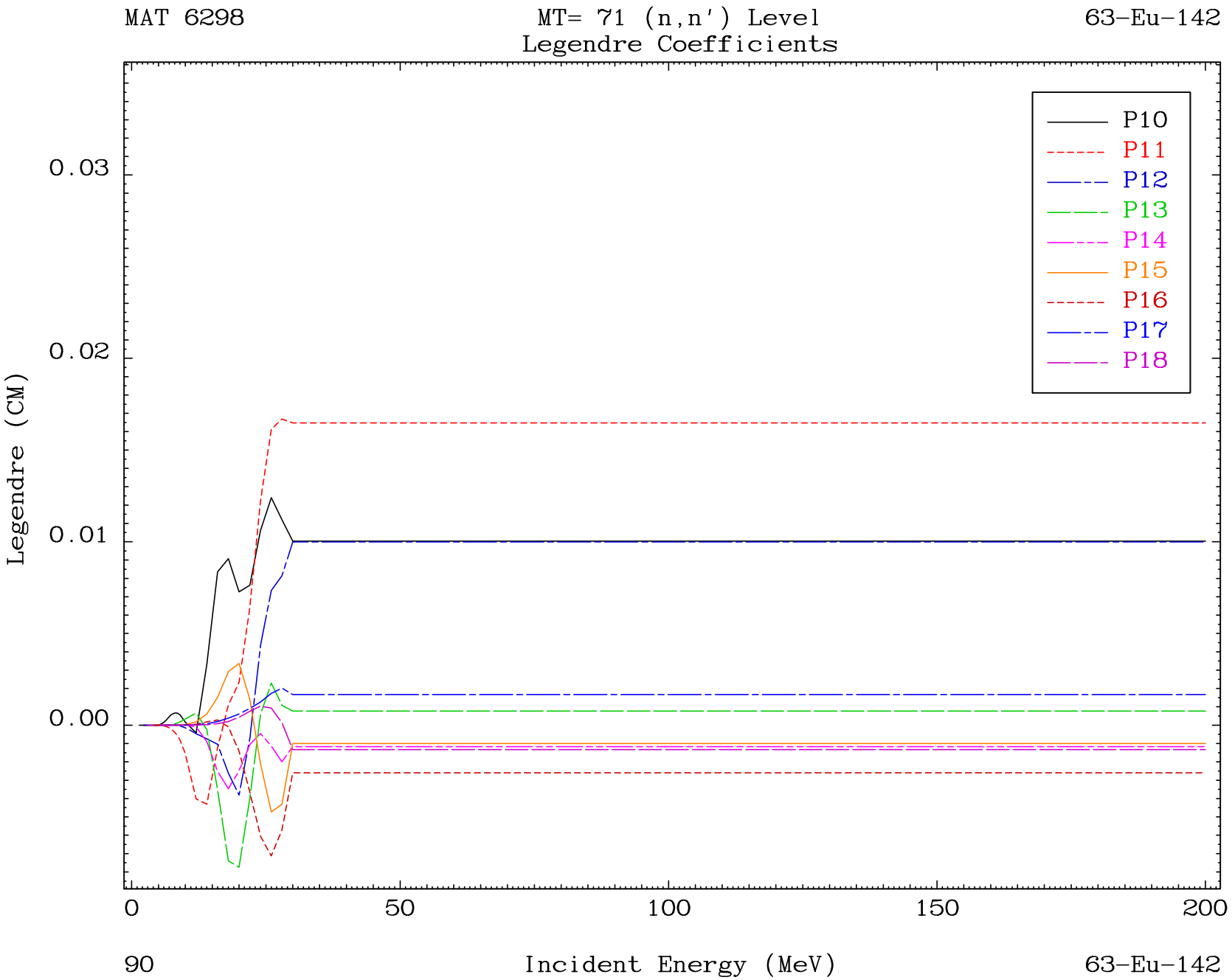

MAT 6298
MT= 69 (n,n') Level
Legendre Coefficients
63-Eu-142
X10 -8
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
50
100
150
200
85
Incident Energy (MeV)
63-Eu-142

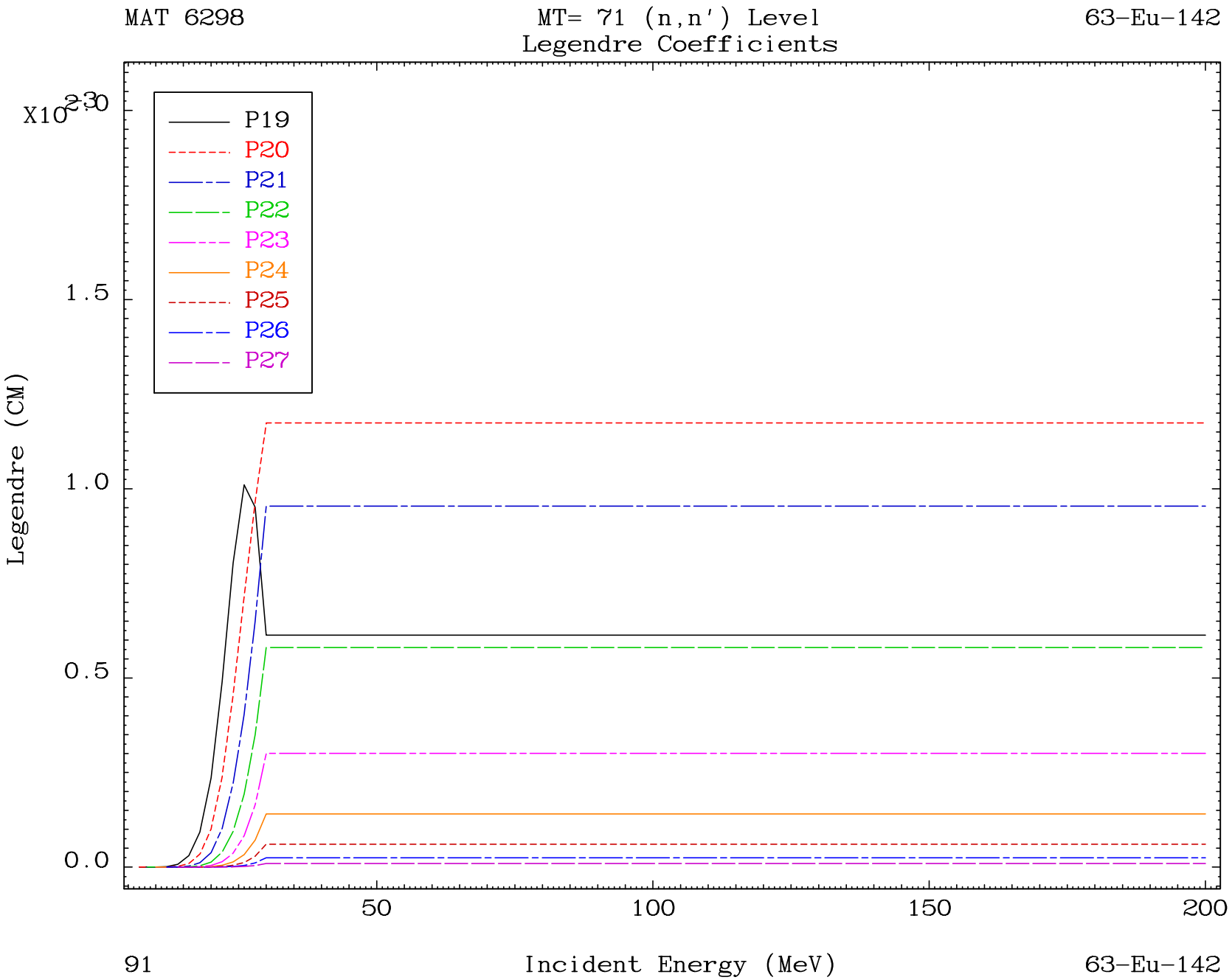

MAT 6298
MT= 70 (n,n') Level
Legendre Coefficients
63-Eu-142
0.15
0.10
0.05
0.00
Legendre (CM)
P1
P2
P3
P4
P5
P6
P7
P8
0
50
100
150
200
86
Incident Energy (MeV)
63-Eu-142

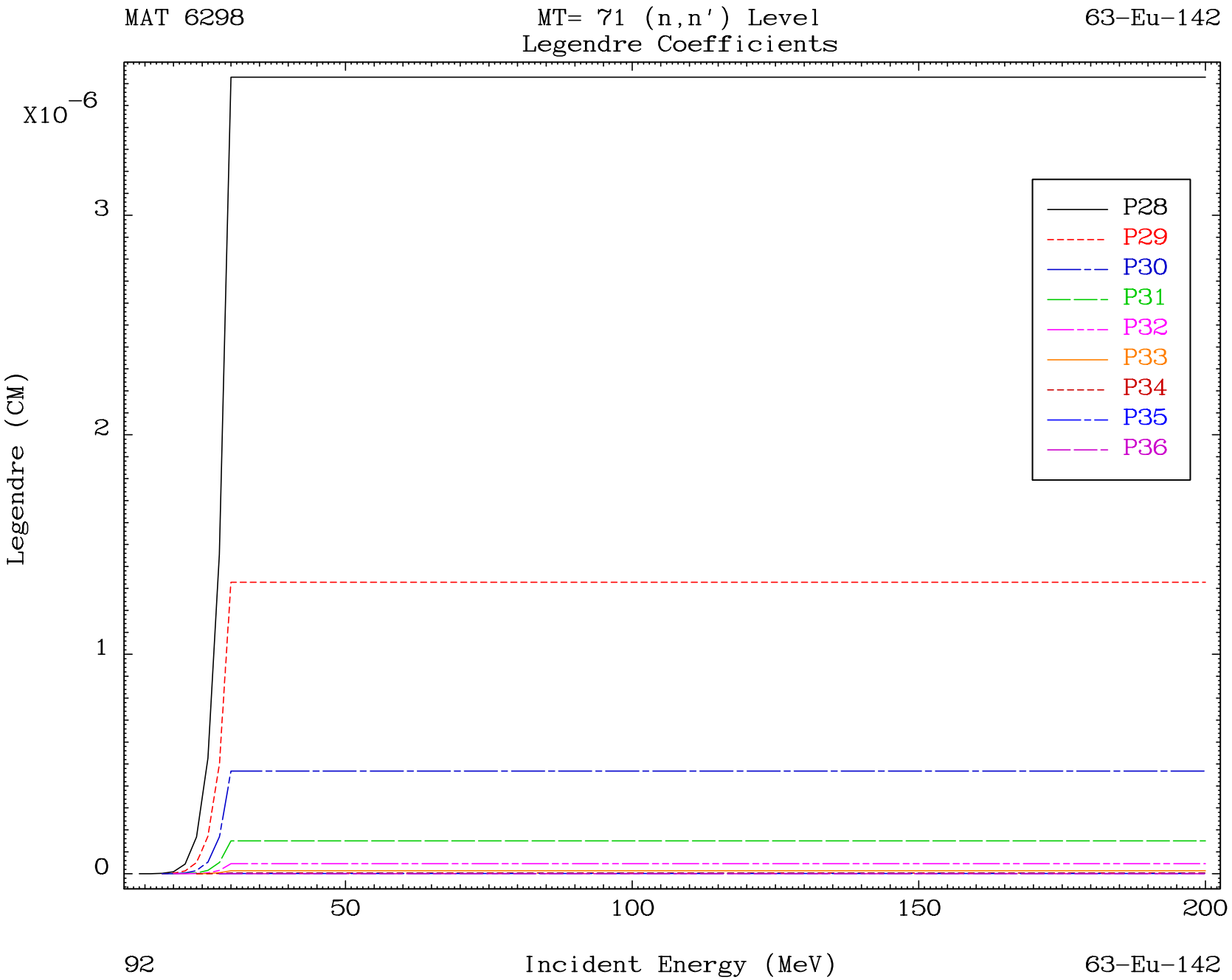

MAT 6298
MT= 70 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-4
4
2
0
-2
-4
-6
Legendre (CM)
P9
P10
P11
P12
P13
P14
P15
P16
0
50
100
150
200
87
Incident Energy (MeV)
63-Eu-142

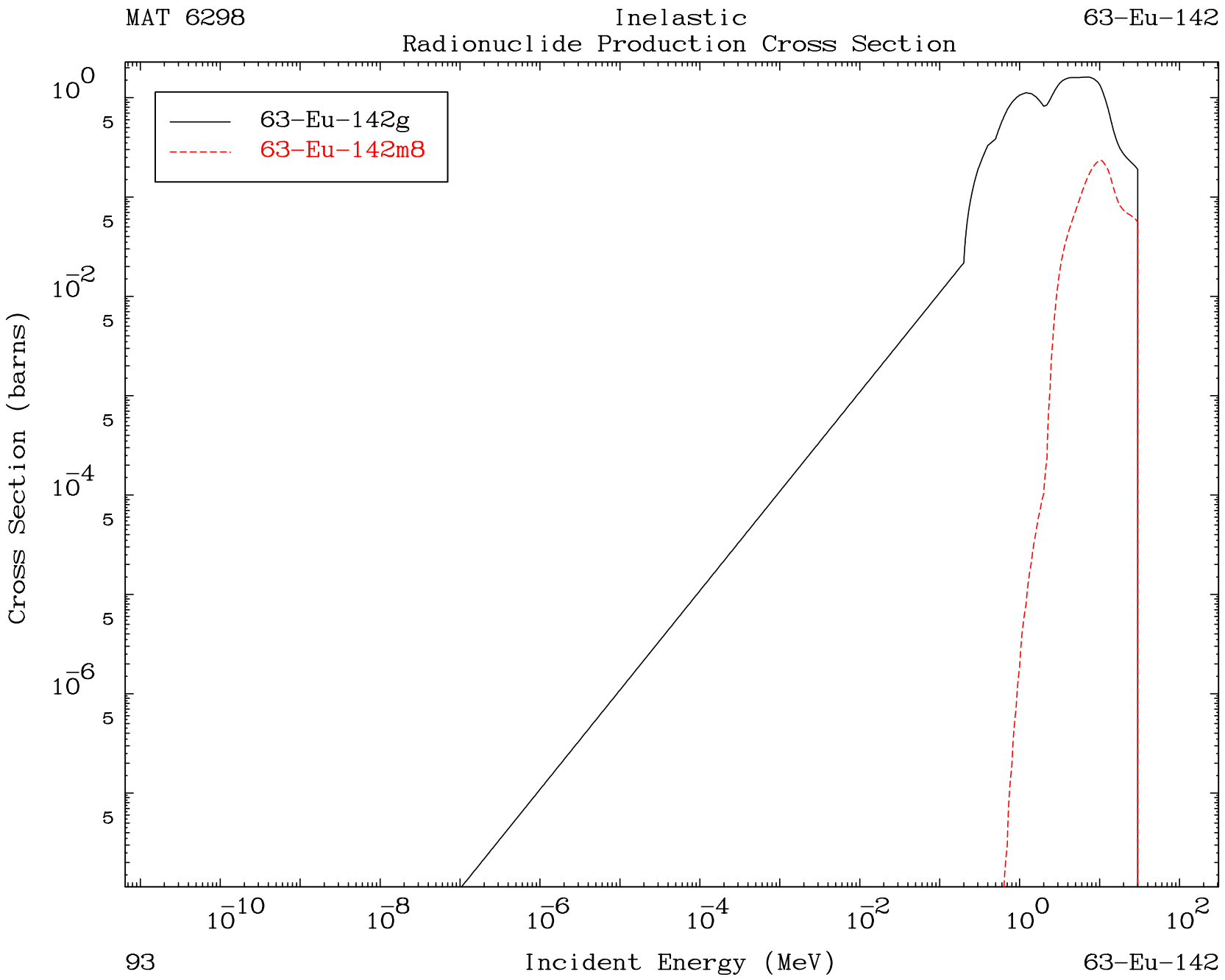

MAT 6298
MT= 70 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-5
1.0
0.8
0.6
0.4
0.2
0.0
Legendre (CM)
P17
P18
P19
P20
P21
P22
P23
P24
50
100
150
200
88
Incident Energy (MeV)
63-Eu-142

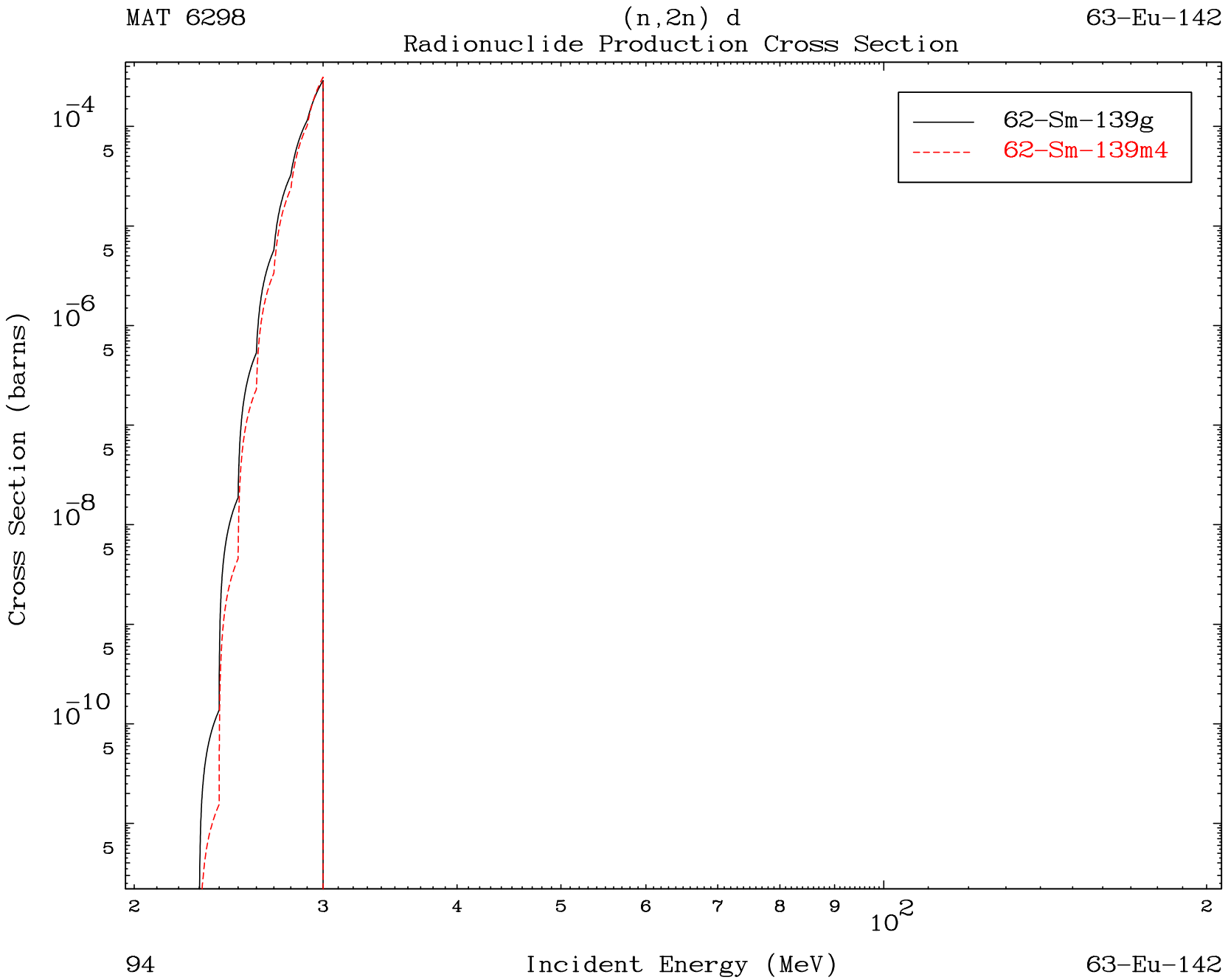

MAT 6298
MT= 71 (n,n') Level
Legendre Coefficients
63-Eu-142
Legendre (CM)
0.4
0.3
0.2
0.1
0.0
-0.1
0
50
100
150
200
89
Incident Energy (MeV)
63-Eu-142
P1
P2
P3
P4
P5
P6
P7
P8
P9

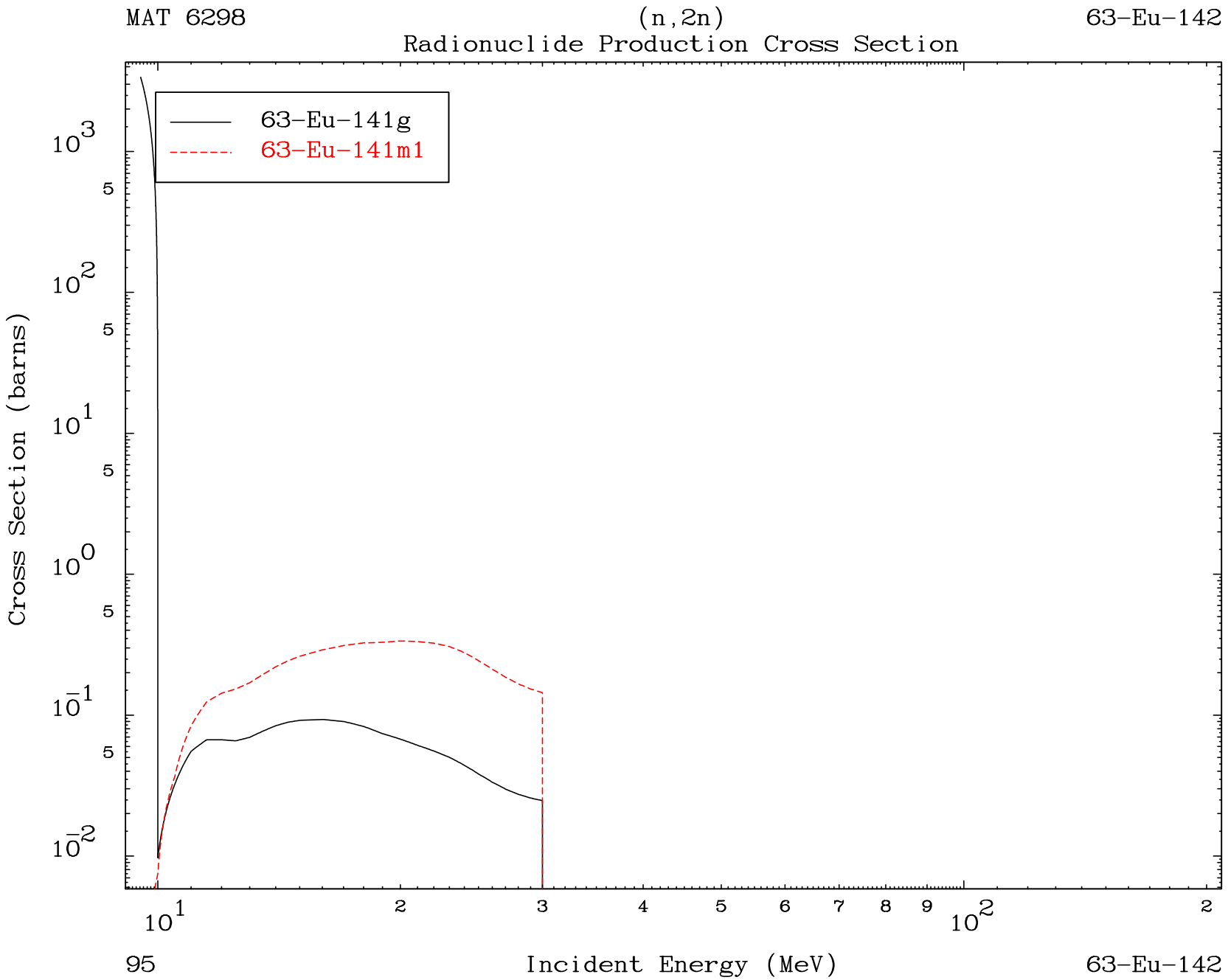

MAT 6298
MT= 71 (n,n') Level
Legendre Coefficients
63-Eu-142
P10
P11
P12
P13
P14
P15
P16
P17
P18
0.03
0.02
0.01
0.00
Legendre (CM)
0
50
100
150
200
90
Incident Energy (MeV)
63-Eu-142

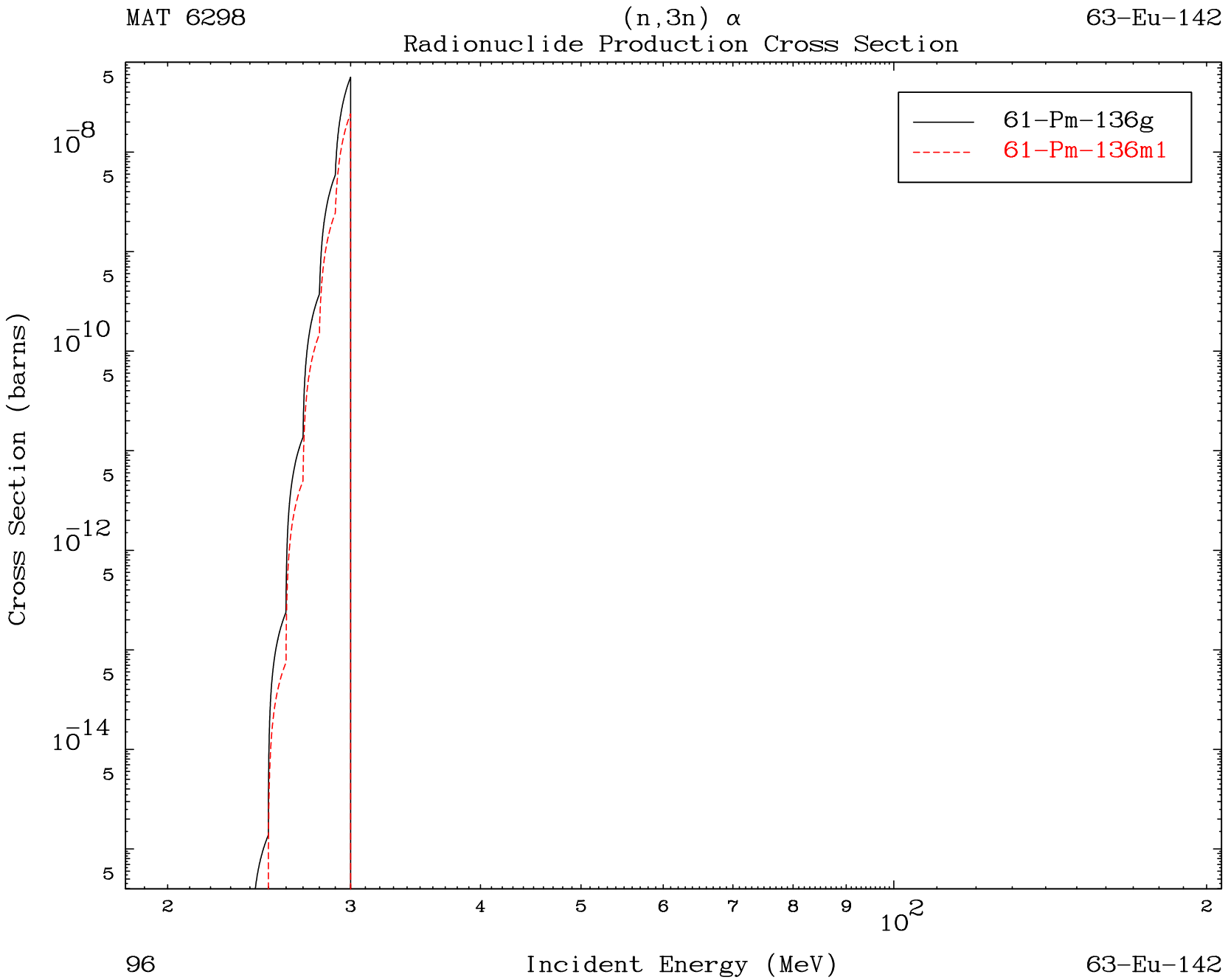

MAT 6298
MT= 71 (n,n') Level
Legendre Coefficients
63-Eu-142
X10-30
P19
P20
P21
P22
P23
P24
P25
P26
P27
Legendre (CM)
1.5
1.0
0.5
0.0
50
100
150
200
91
Incident Energy (MeV)
63-Eu-142

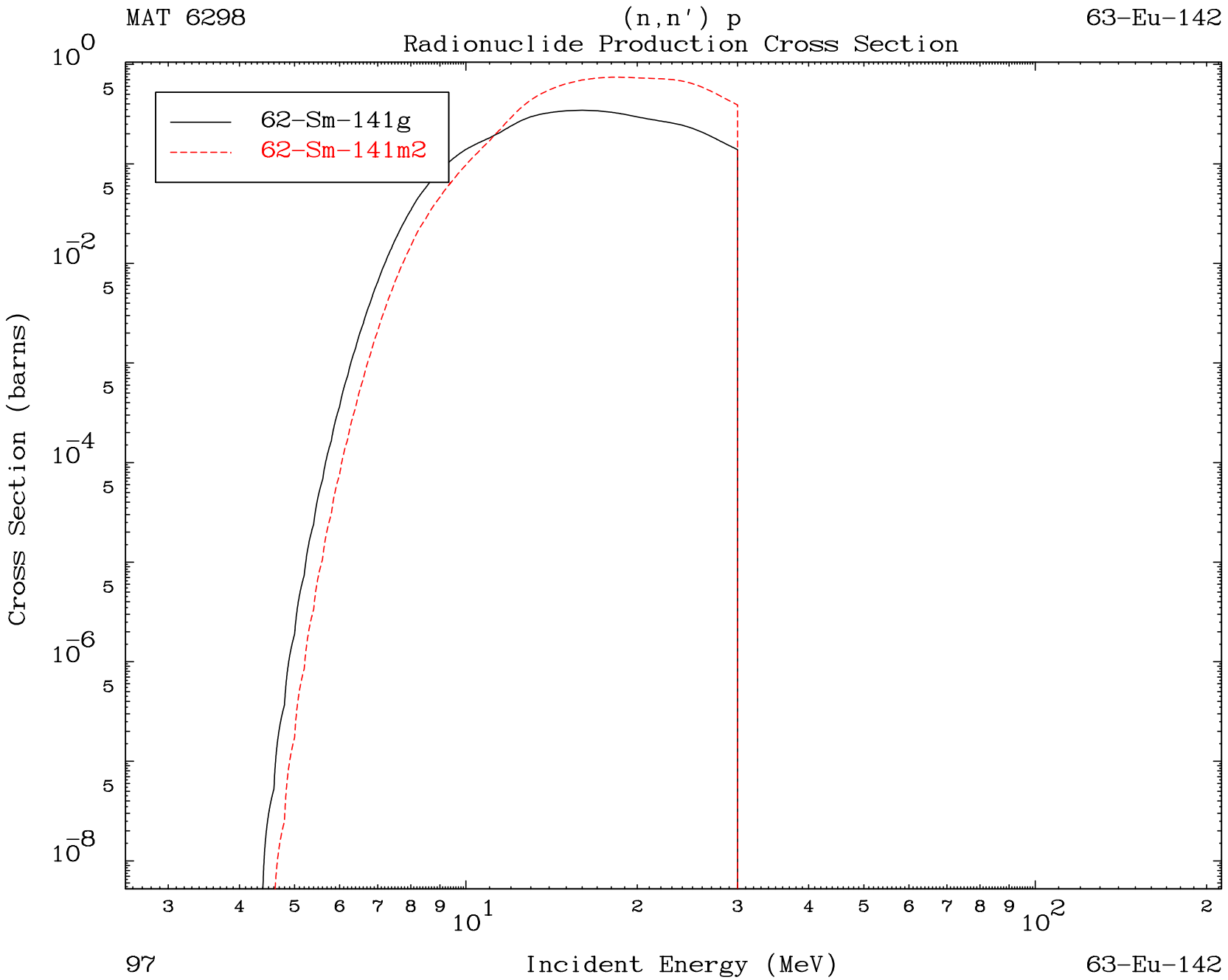

MAT 6298
MT= 71 (n,n') Level
Legendre Coefficients
63-Eu-142
X10^-6
3
2
1
0
Legendre (CM)
P28
P29
P30
P31
P32
P33
P34
P35
P36
50
100
150
200
92
Incident Energy (MeV)
63-Eu-142

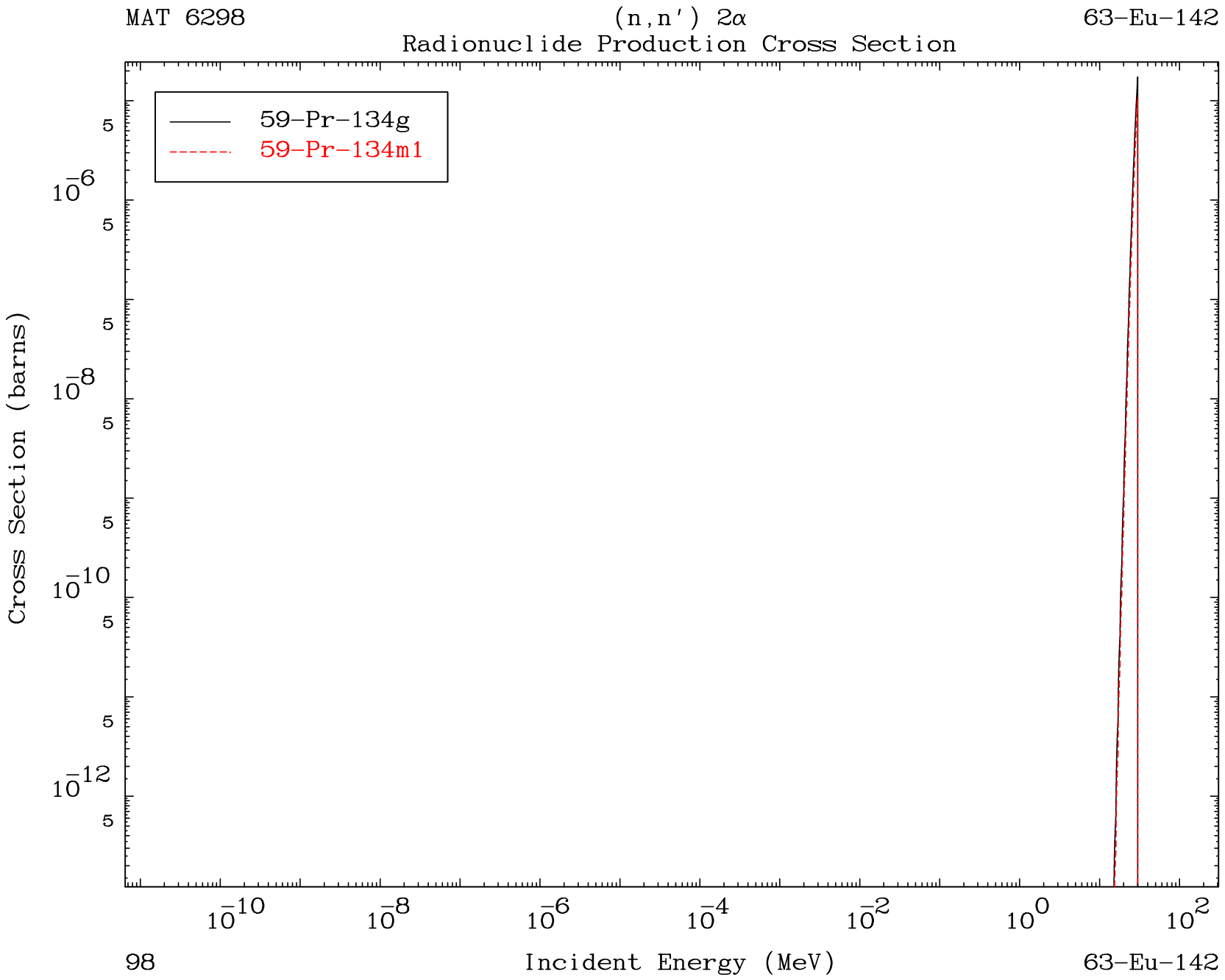

MAT 6298
Inelastic
63-Eu-142
Radionuclide Production Cross Section
63-Eu-142g
63-Eu-142m8
Cross Section (barns)
Incident Energy (MeV)
93
63-Eu-142

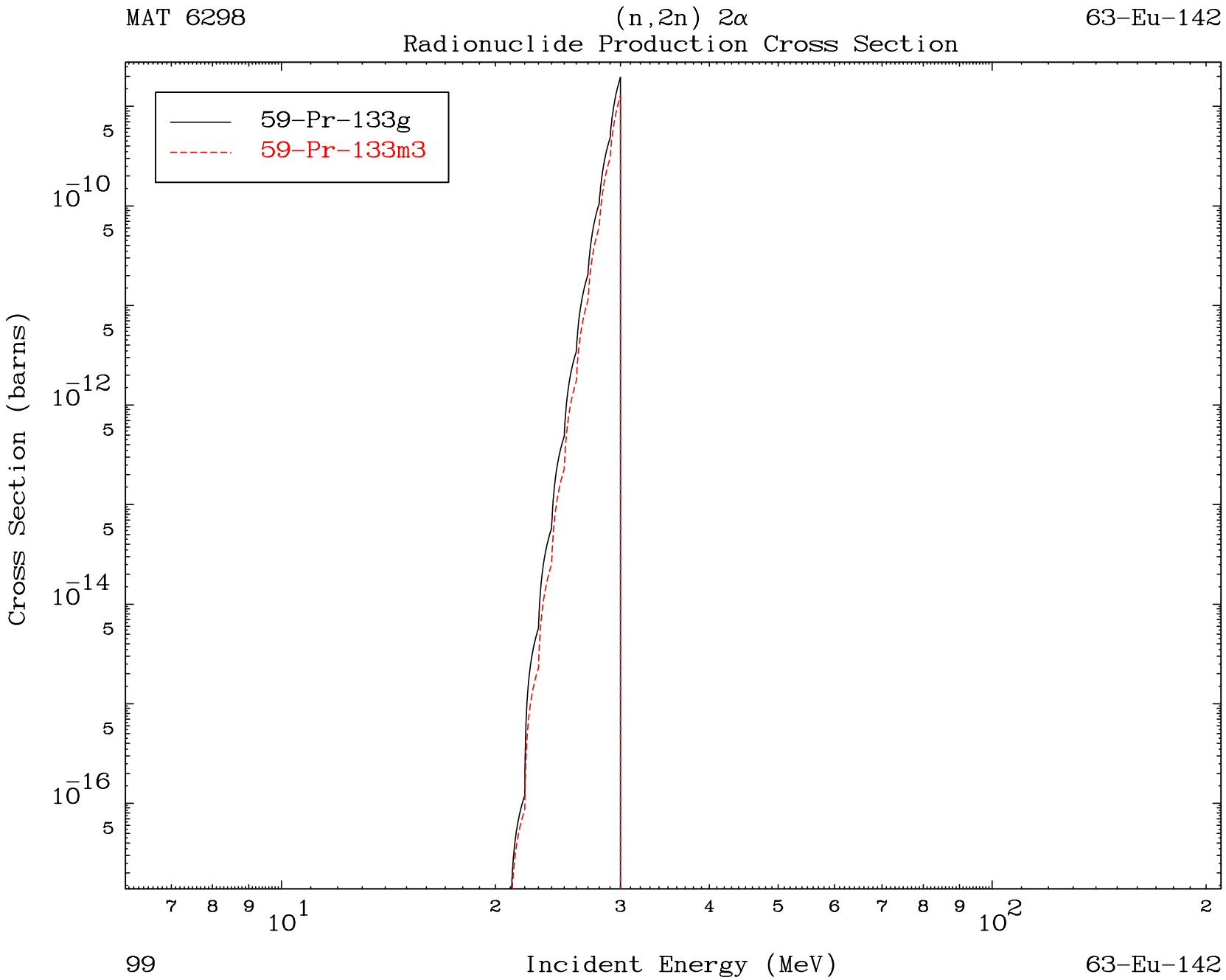

MAT 6298
(n,2n) d
63-Eu-142
Radionuclide Production Cross Section
62-Sm-139g
62-Sm-139m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
94
Incident Energy (MeV)
63-Eu-142

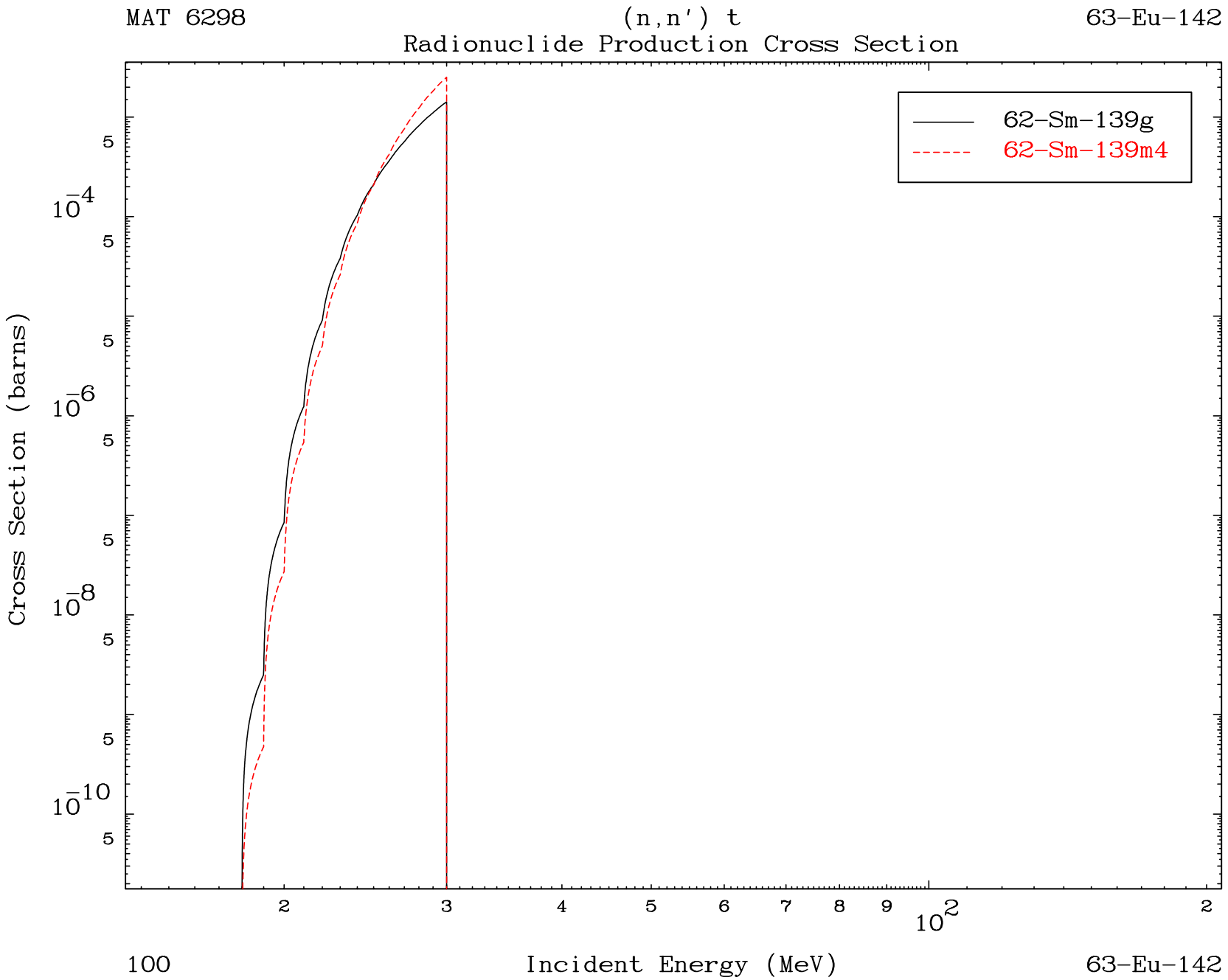

MAT 6298
(n,2n)
63-Eu-142
Radionuclide Production Cross Section
63-Eu-141g
63-Eu-141m1
Cross Section (barns)
Incident Energy (MeV)
95
63-Eu-142

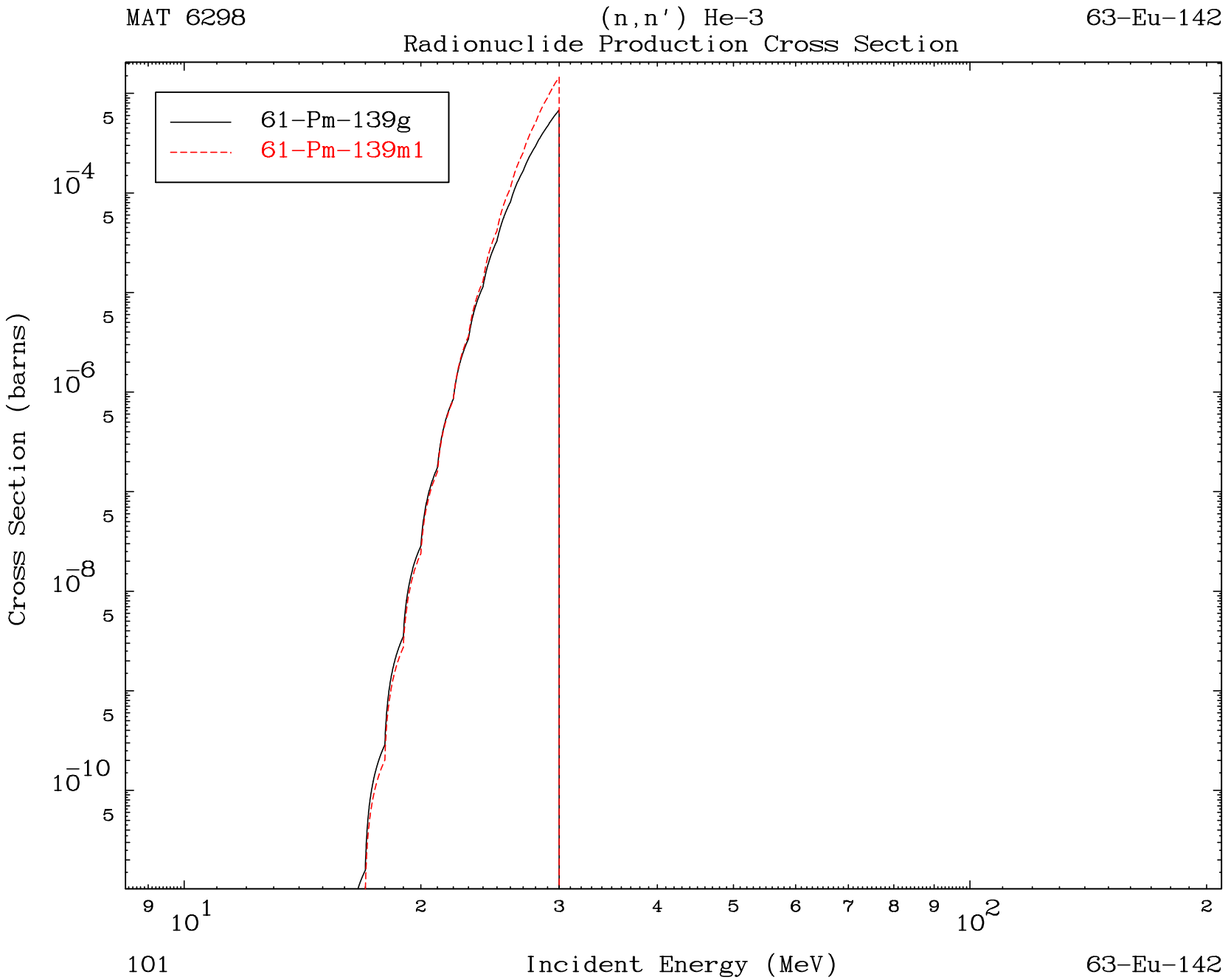

MAT 6298
(n,3n) α
63-Eu-142
Radionuclide Production Cross Section
61-Pm-136g
61-Pm-136m1
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
96
Incident Energy (MeV)
63-Eu-142

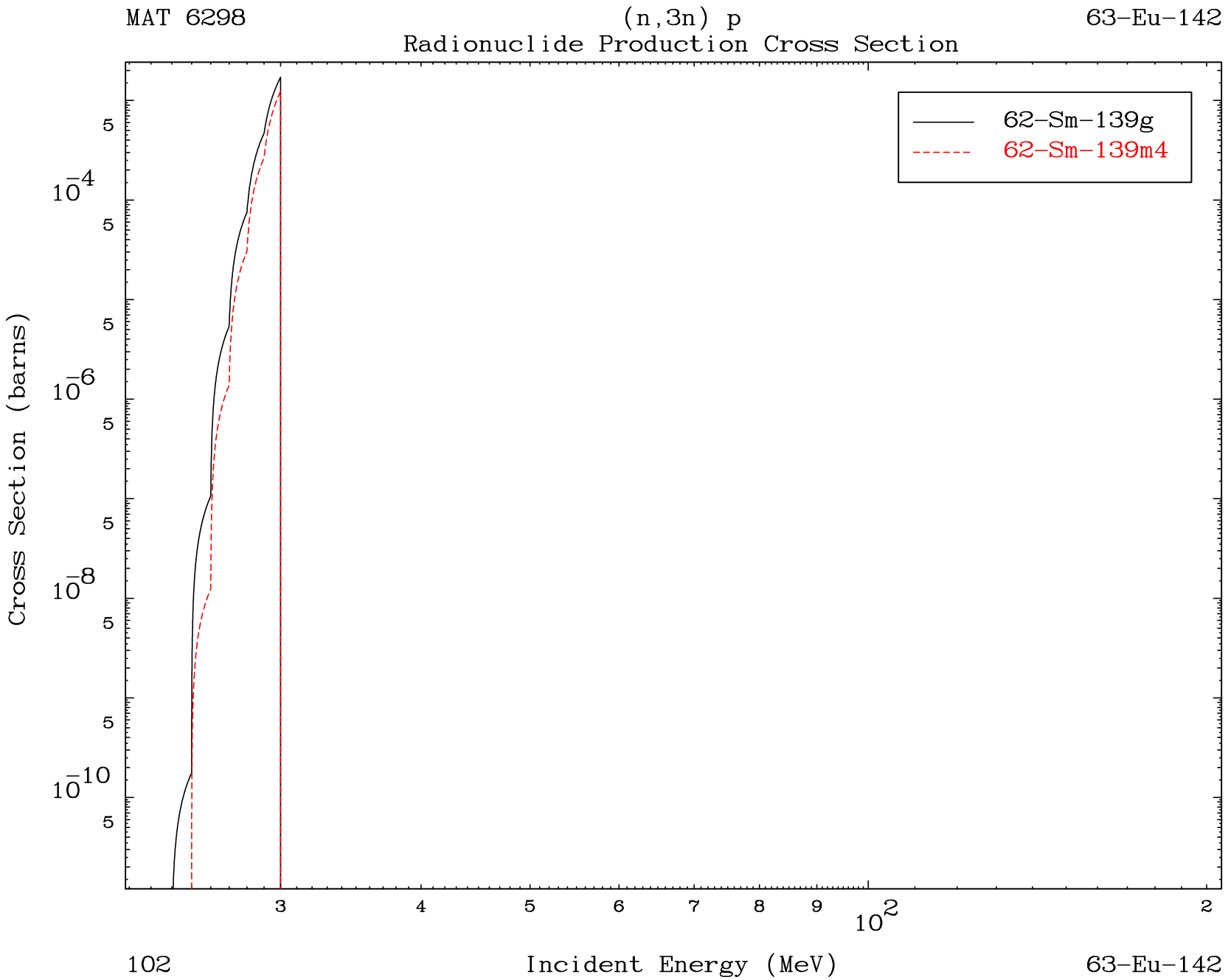

MAT 6298
(n,n') p
63-Eu-142
Radionuclide Production Cross Section
62-Sm-141g
62-Sm-141m2
Cross Section (barns)
Incident Energy (MeV)
97
63-Eu-142

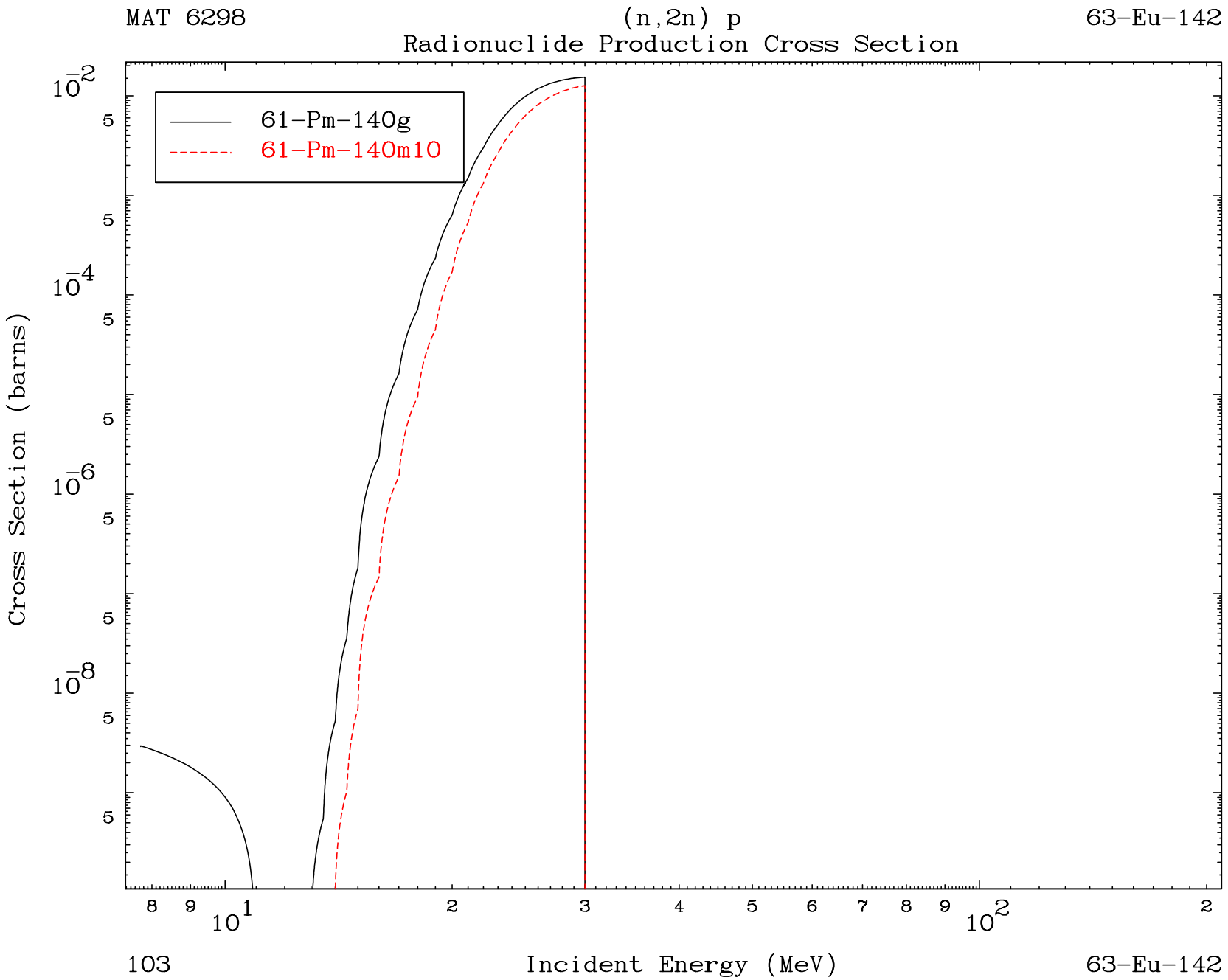

MAT 6298
(n,n') 2α
63-Eu-142
Radionuclide Production Cross Section
59-Pr-134g
59-Pr-134m1
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
98
Incident Energy (MeV)
63-Eu-142

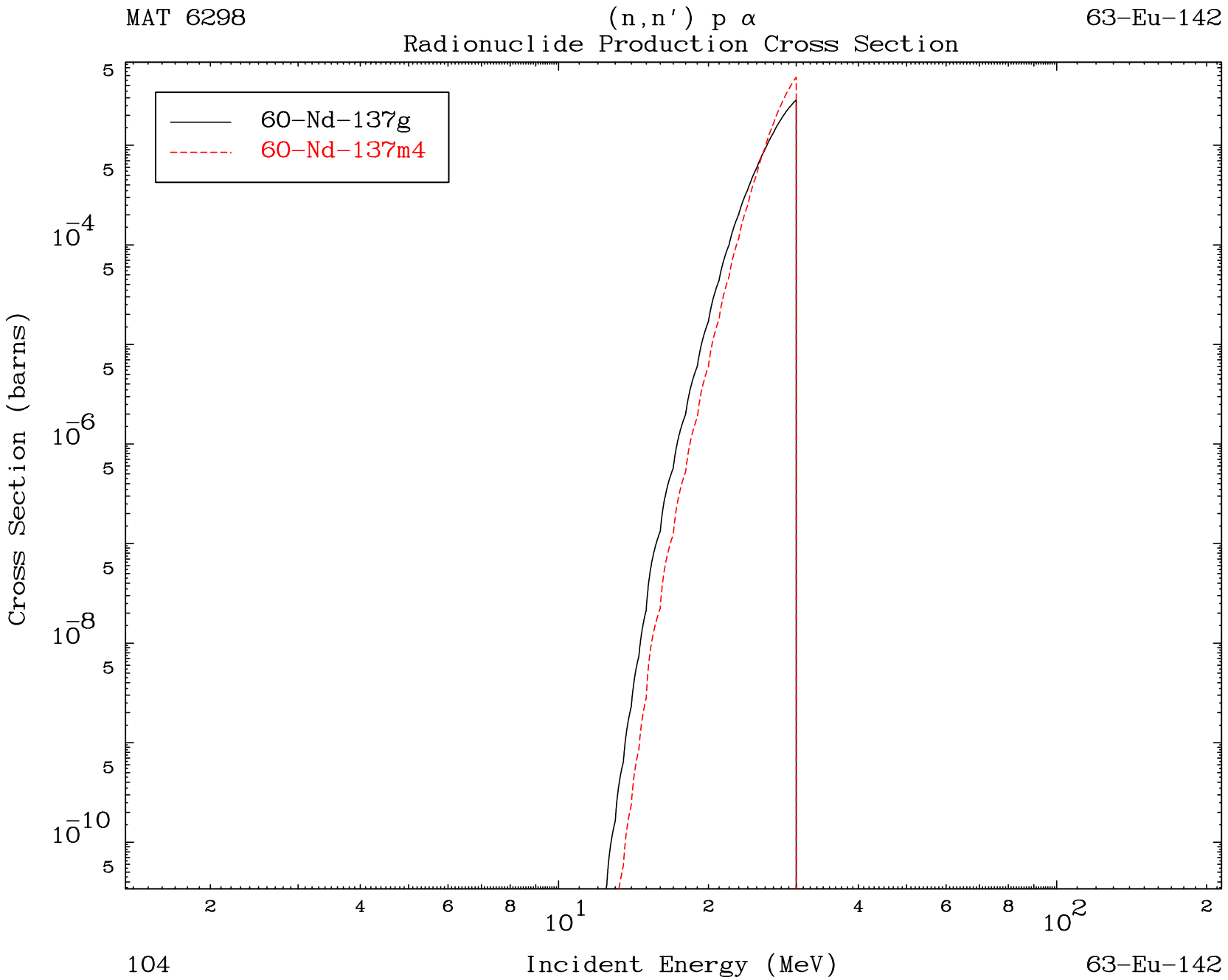

MAT 6298
(n,2n) 2α
63-Eu-142
Radionuclide Production Cross Section
59-Pr-133g
59-Pr-133m3
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
7 8 9 10^1 2 3 4 5 6 7 8 9 10^2 2
99
Incident Energy (MeV)
63-Eu-142

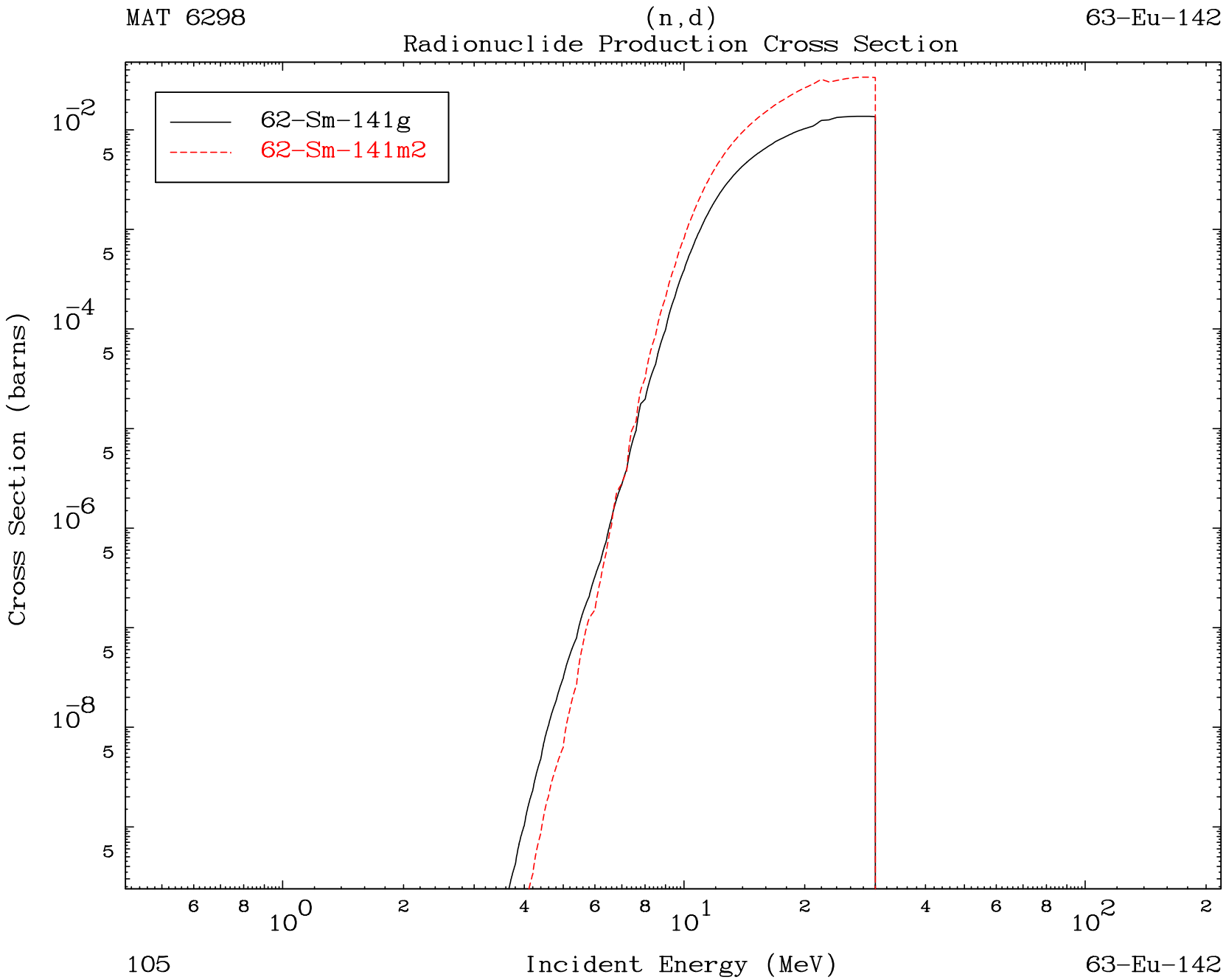

MAT 6298
(n,n') t
63-Eu-142
Radionuclide Production Cross Section
62-Sm-139g
62-Sm-139m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
2
3
4
5
6
7
8
9
10 2
2
100
Incident Energy (MeV)
63-Eu-142

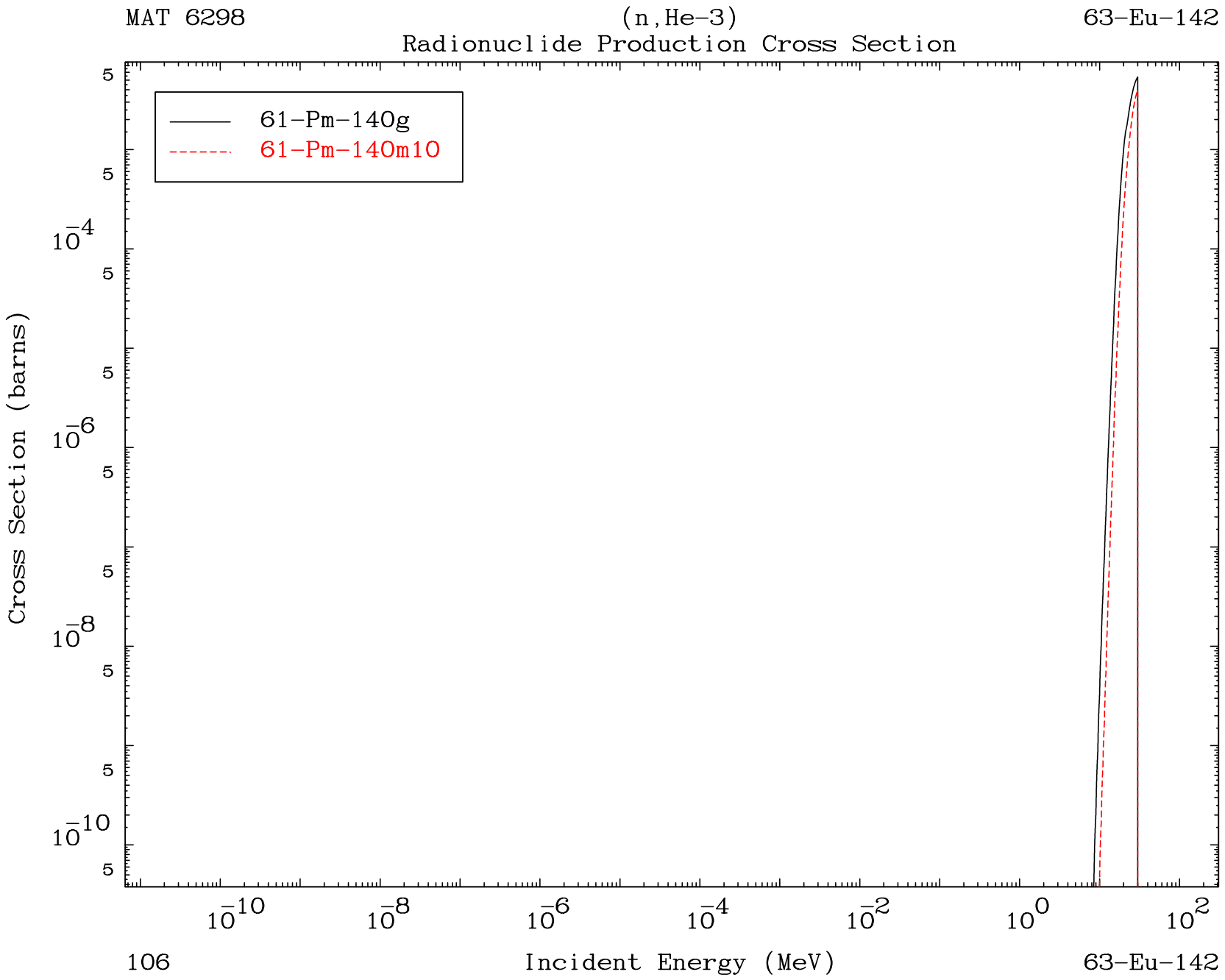

MAT 6298
(n,n') He-3
63-Eu-142
Radionuclide Production Cross Section
61-Pm-139g
61-Pm-139m1
Cross Section (barns)
Incident Energy (MeV)
101
63-Eu-142

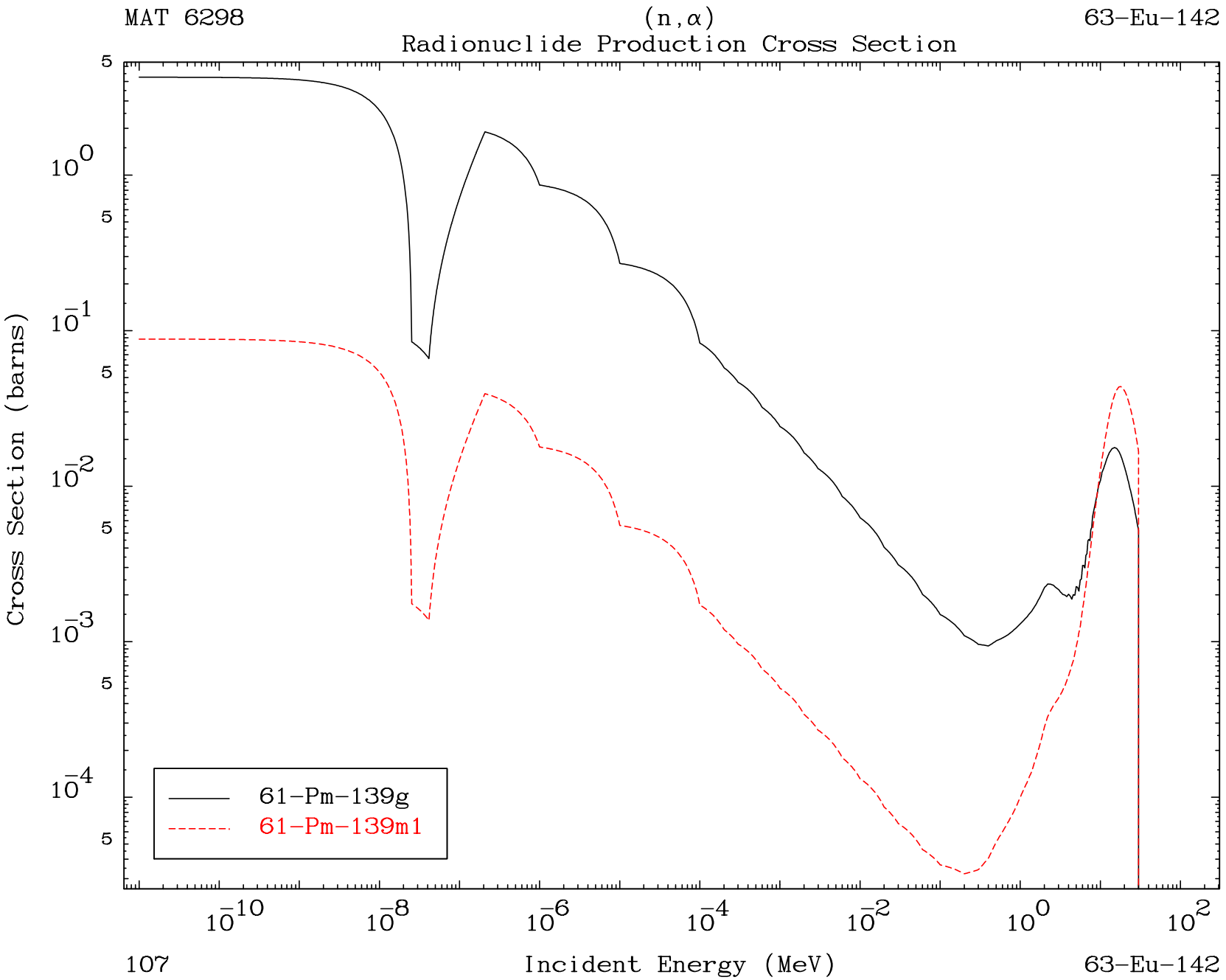

MAT 6298
(n,3n) p
63-Eu-142
Radionuclide Production Cross Section
62-Sm-139g
62-Sm-139m4
Cross Section (barns)
10-4
10-6
10-8
10-10
5
3
4
5
6
7
8
9
10 2
2
102
Incident Energy (MeV)
63-Eu-142

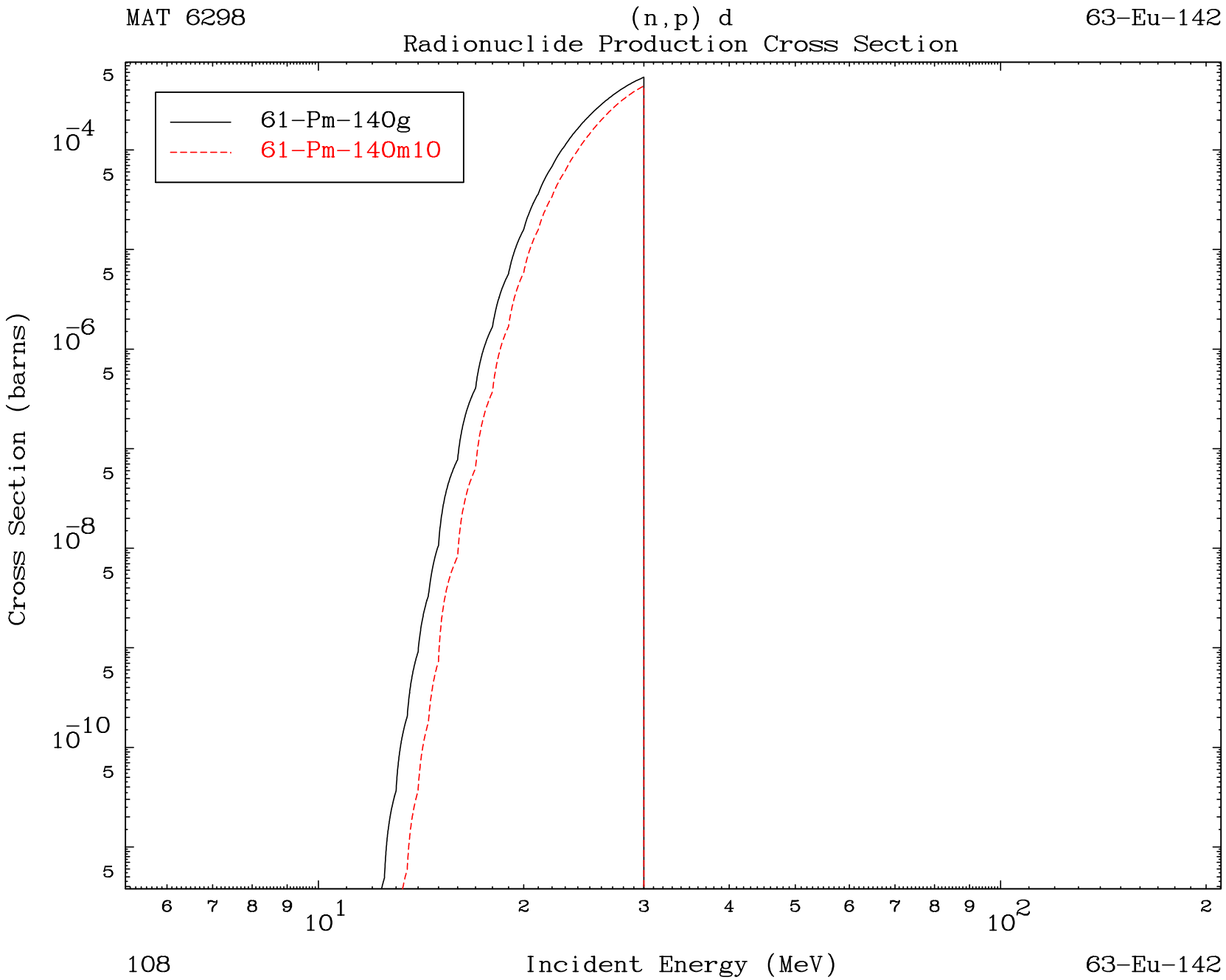

MAT 6298
(n,2n) p
63-Eu-142
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
Incident Energy (MeV)
103
63-Eu-142

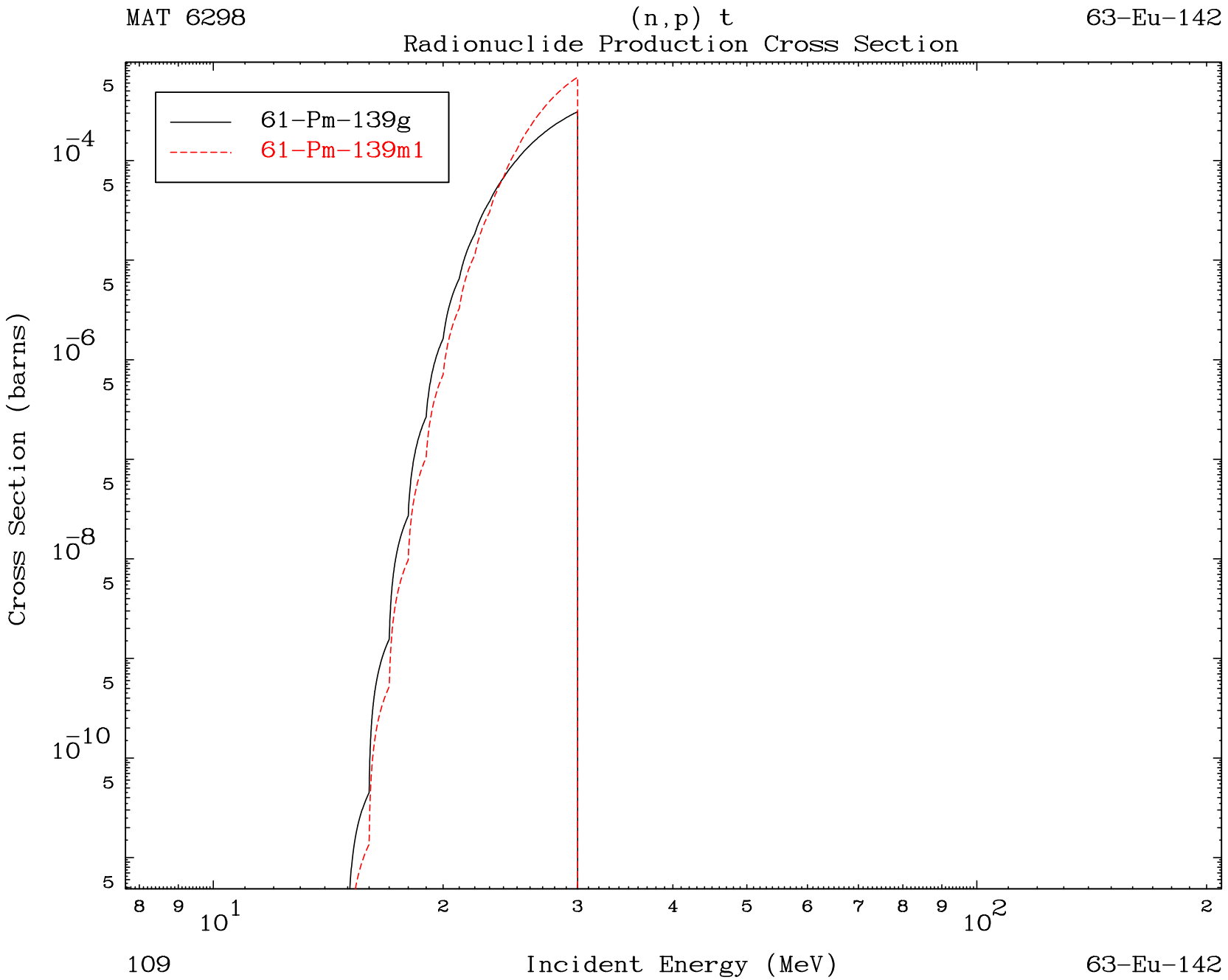

MAT 6298
(n,n') p α
63-Eu-142
Radionuclide Production Cross Section
60-Nd-137g
60-Nd-137m4
Cross Section (barns)
Incident Energy (MeV)
104
63-Eu-142

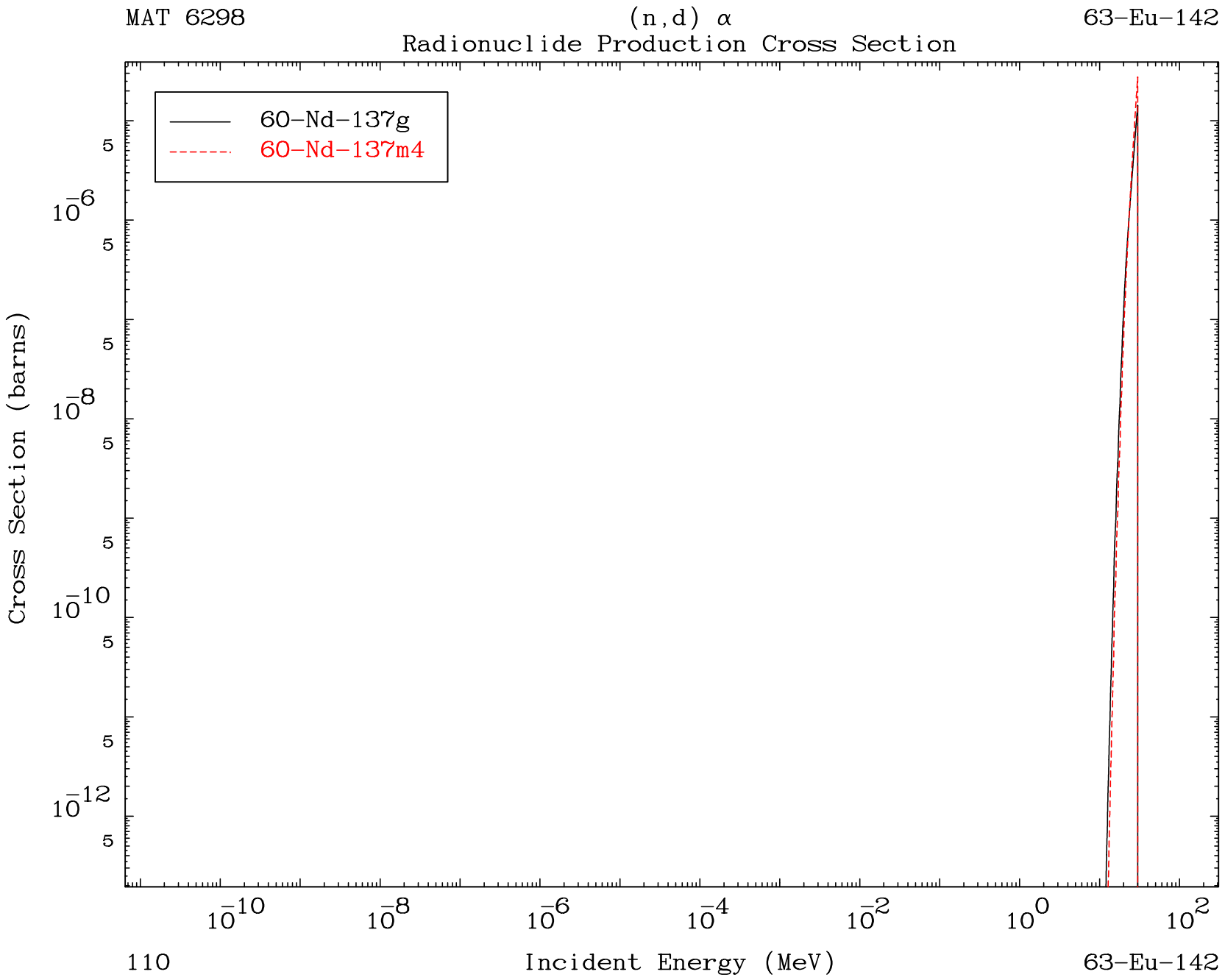

MAT 6298
(n,d)
63-Eu-142
Radionuclide Production Cross Section
62-Sm-141g
62-Sm-141m2
Cross Section (barns)
Incident Energy (MeV)
105
63-Eu-142


MAT 6298
(n,He-3)
63-Eu-142
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
Incident Energy (MeV)
106
63-Eu-142


MAT 6298
(n,α)
63-Eu-142
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
61-Pm-139g
61-Pm-139m1
107
63-Eu-142


MAT 6298
(n,p) d
63-Eu-142
Radionuclide Production Cross Section
61-Pm-140g
61-Pm-140m10
Cross Section (barns)
Incident Energy (MeV)
108
63-Eu-142


MAT 6298
(n,p) t
63-Eu-142
Radionuclide Production Cross Section
61-Pm-139g
61-Pm-139m1
Cross Section (barns)
Incident Energy (MeV)
109
63-Eu-142


MAT 6298
(n,d) α
63-Eu-142
Radionuclide Production Cross Section
60-Nd-137g
60-Nd-137m4
Cross Section (barns)
10^-6
10^-8
10^-10
10^-12
5
10^-10
10^-8
10^-6
10^-4
10^-2
10^0
10^2
110
Incident Energy (MeV)
63-Eu-142