

Program EVALPLOT
(Version 2015-2)

by

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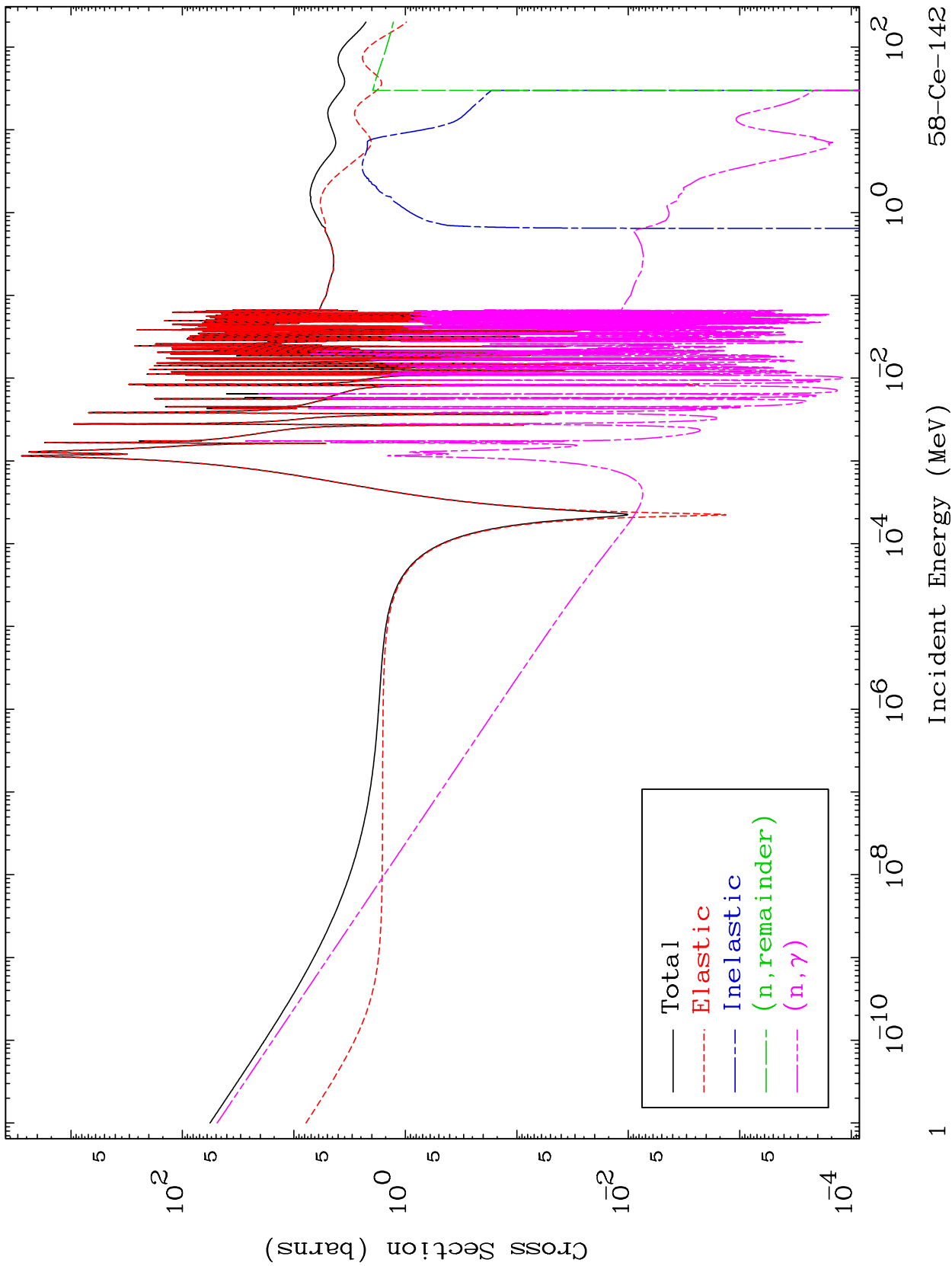
Press Mouse Button to Start

MAT 5843

Major

293 Kelvin Cross Sections

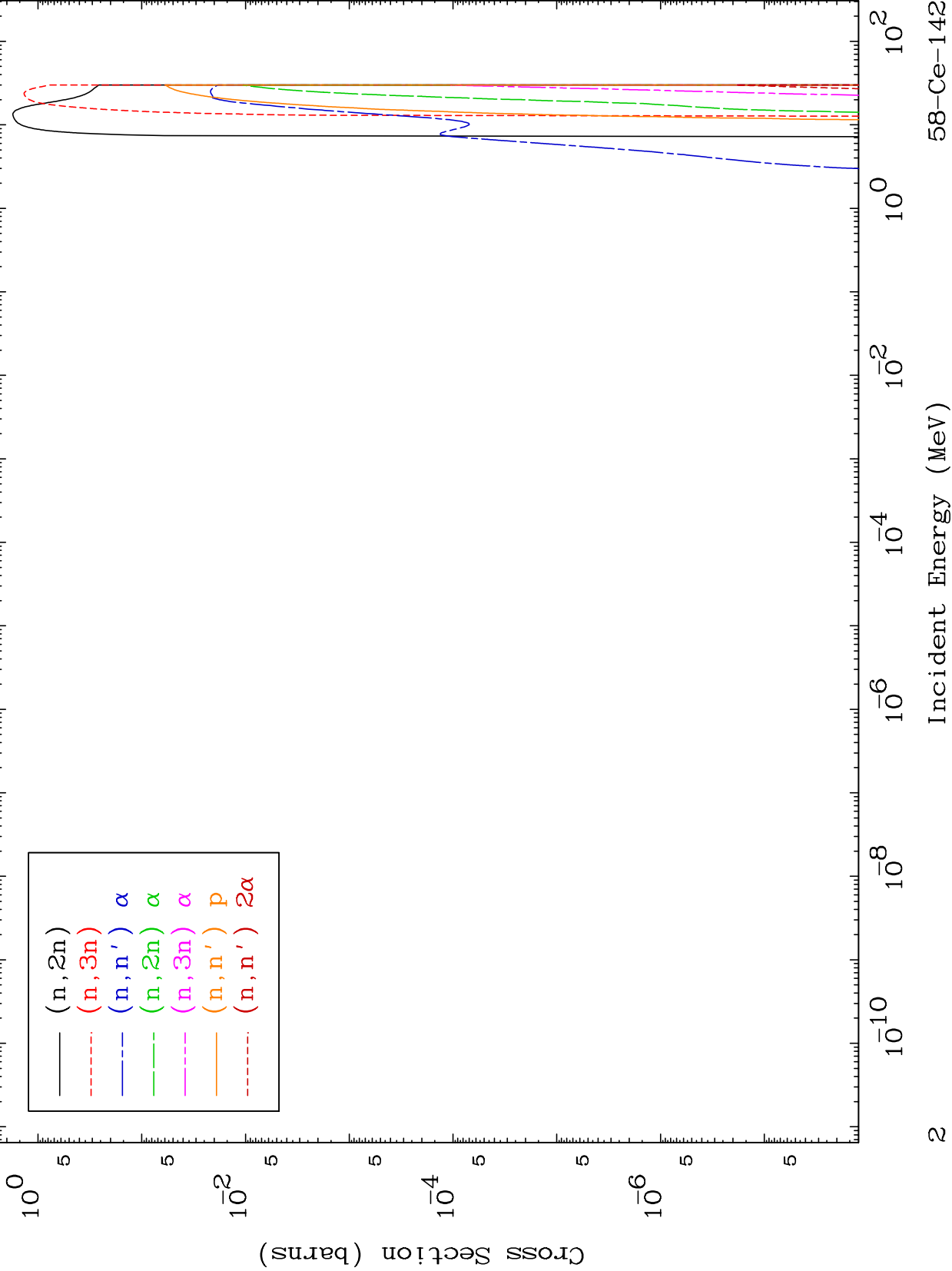
58-Ce-142

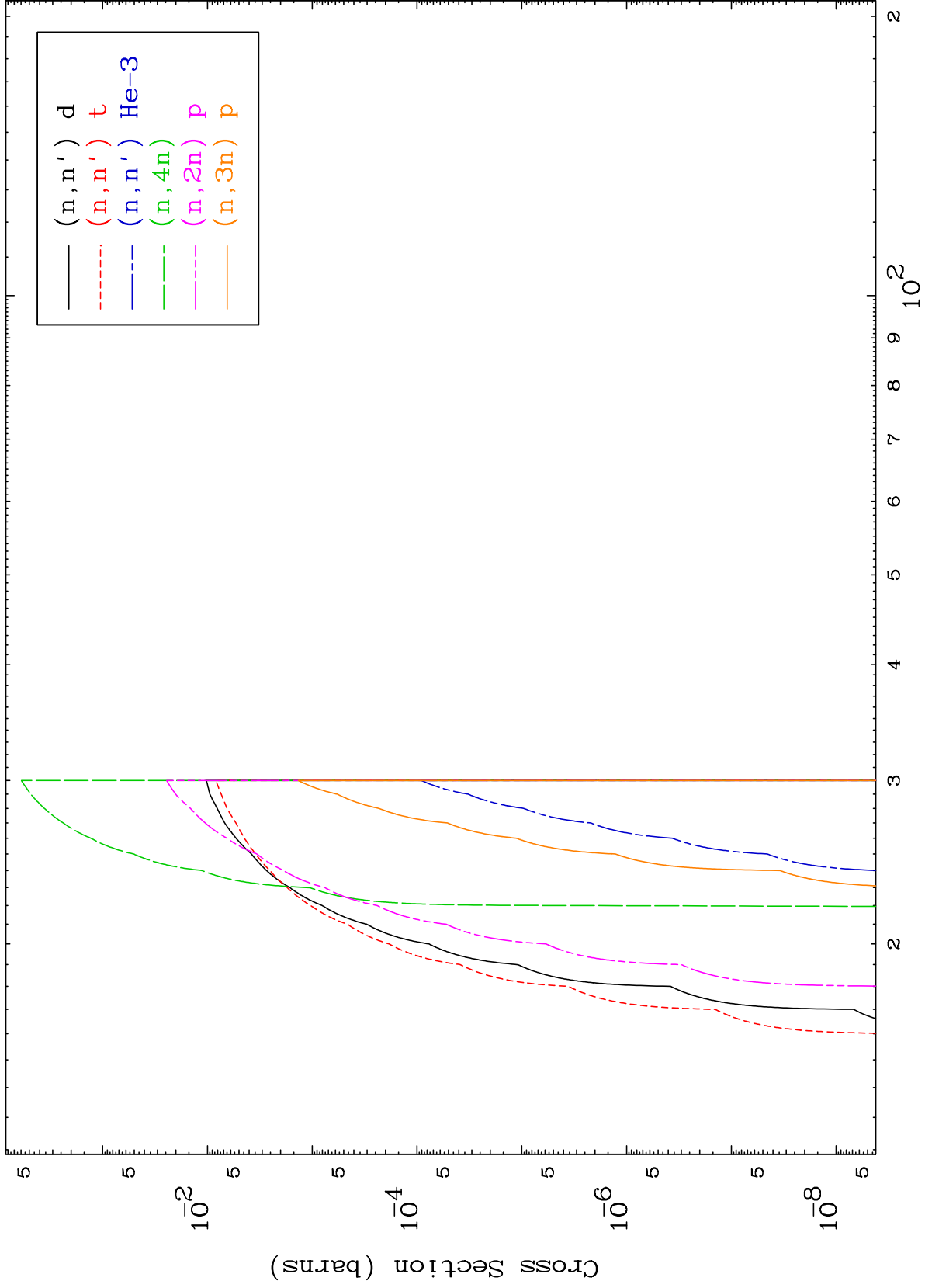


MAT 5843

Neutron Production
293 Kelvin Cross Sections

58-Ce-142

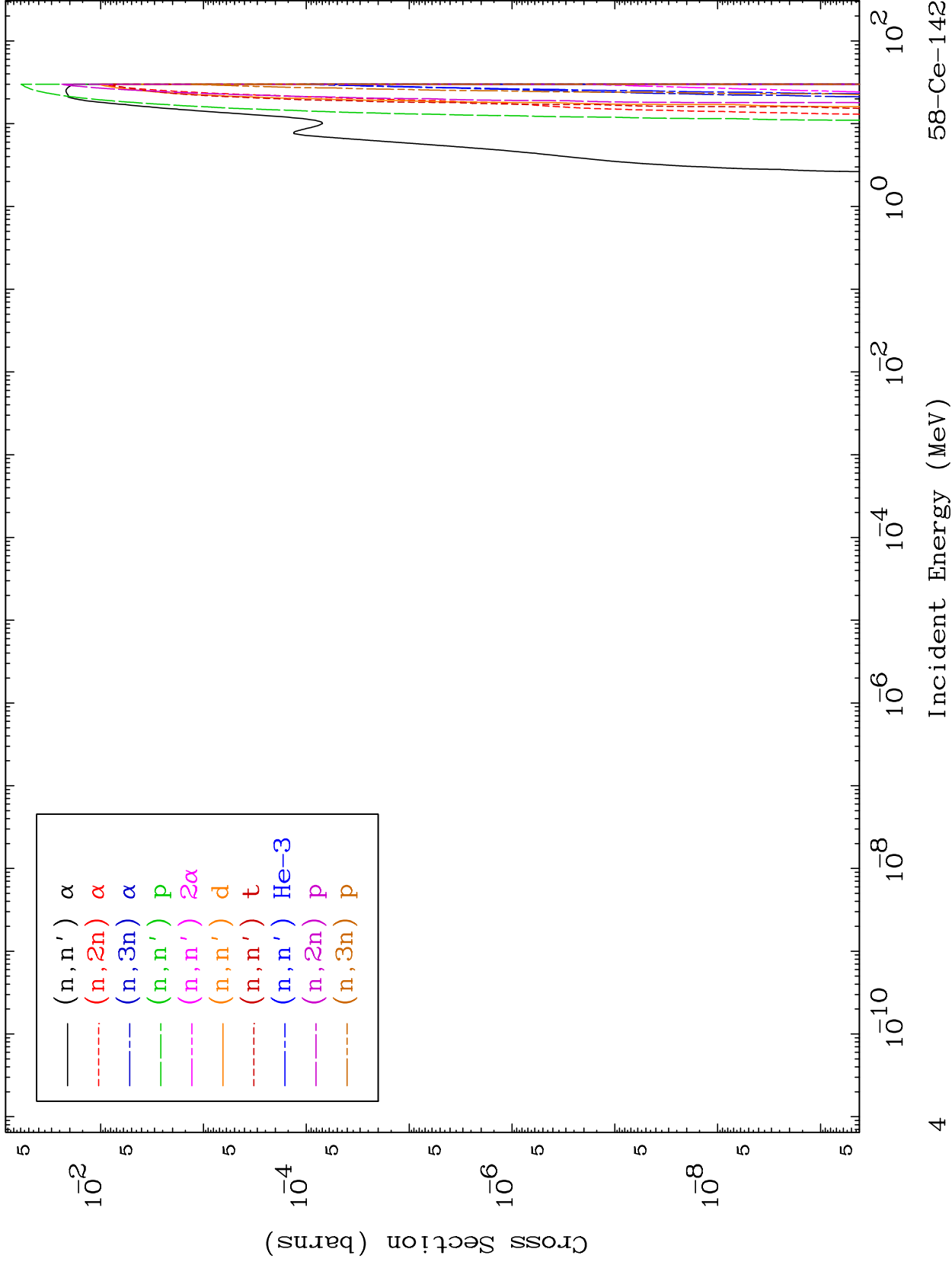




MAT 5843

Charged Particle
293 Kelvin Cross Sections

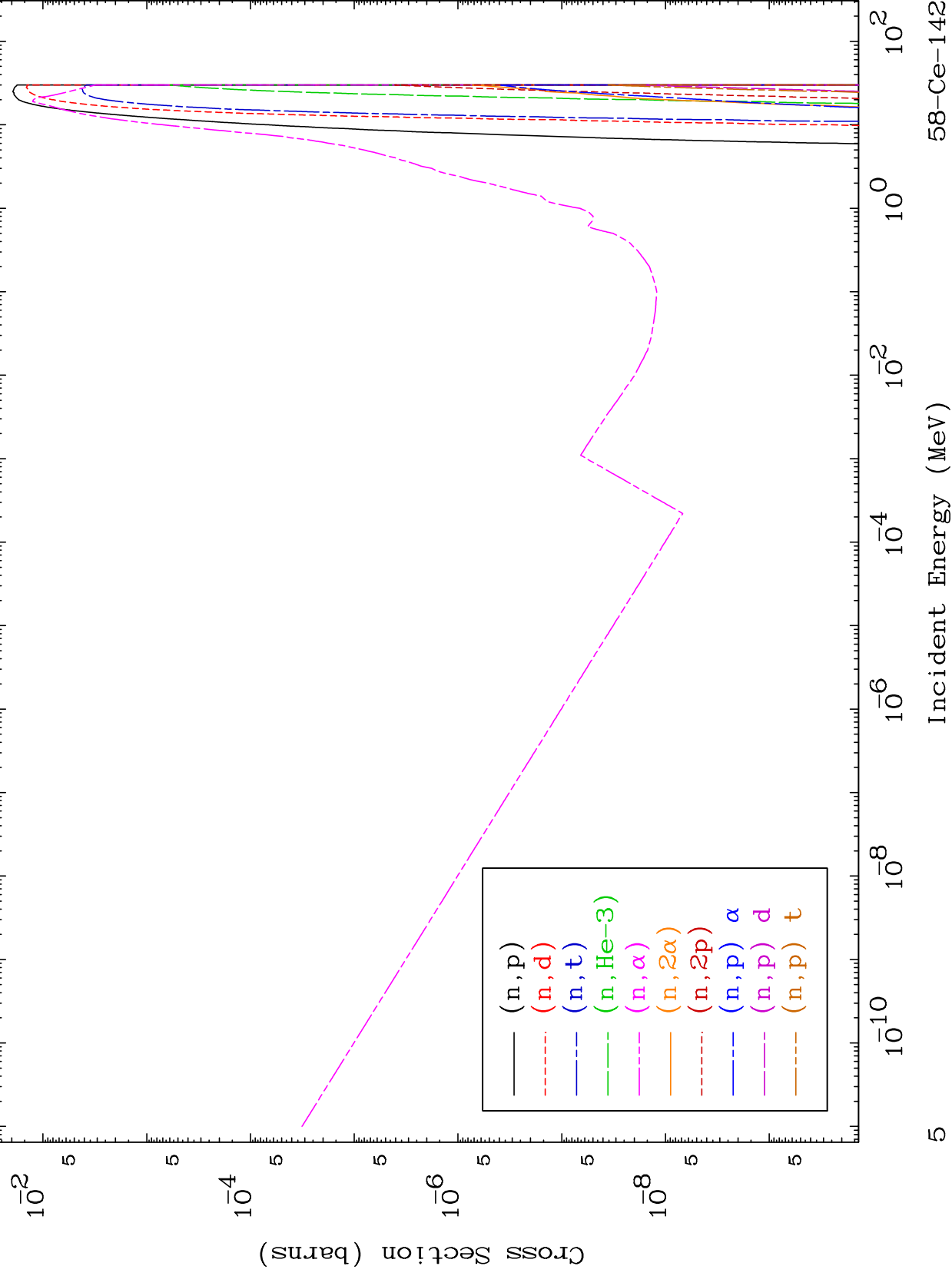
58-Ce-142



MAT 5843

Charged Particle
293 Kelvin Cross Sections

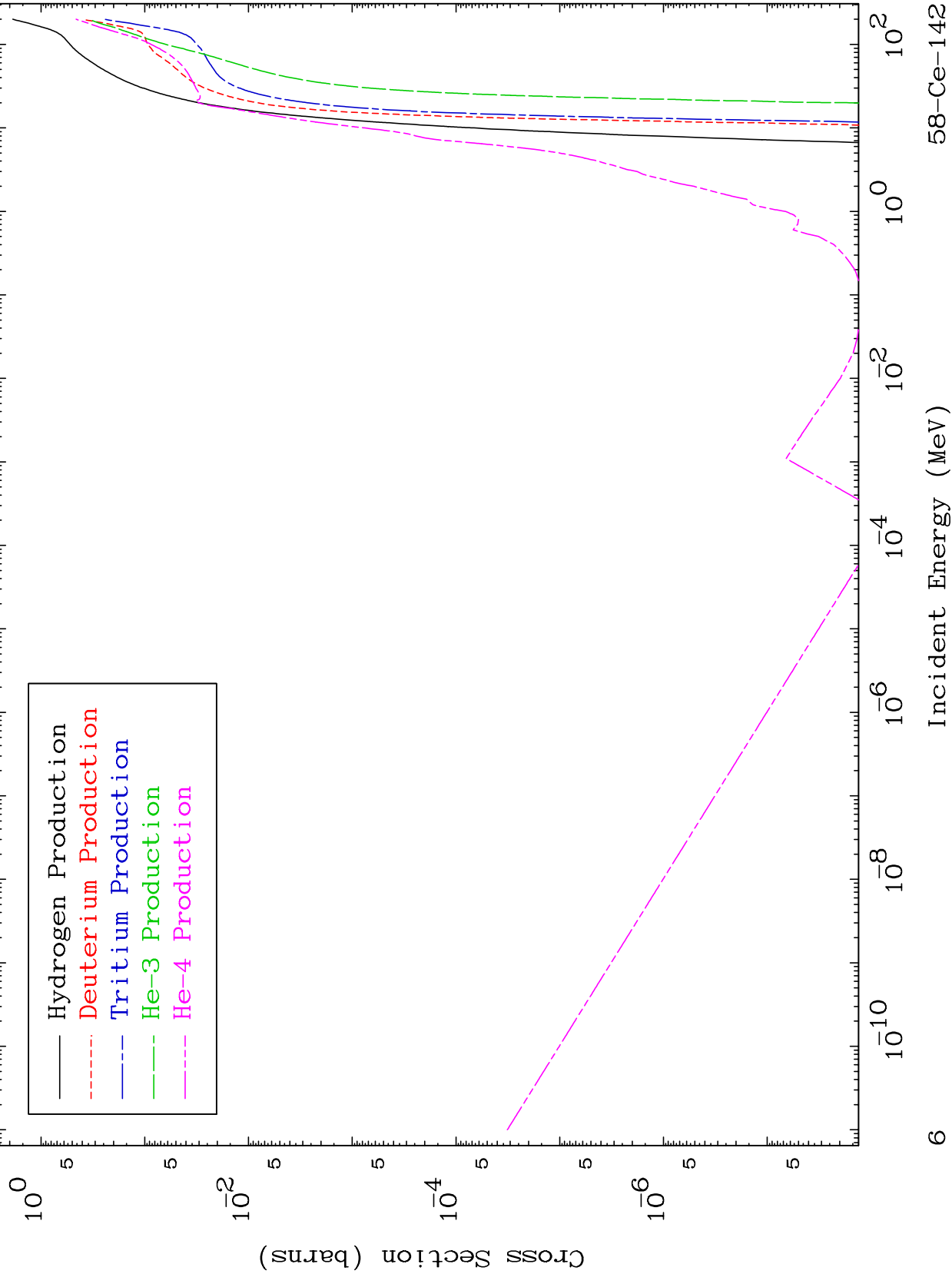
58-Ce-142



MAT 5843

Particle Production
293 Kelvin Cross Sections

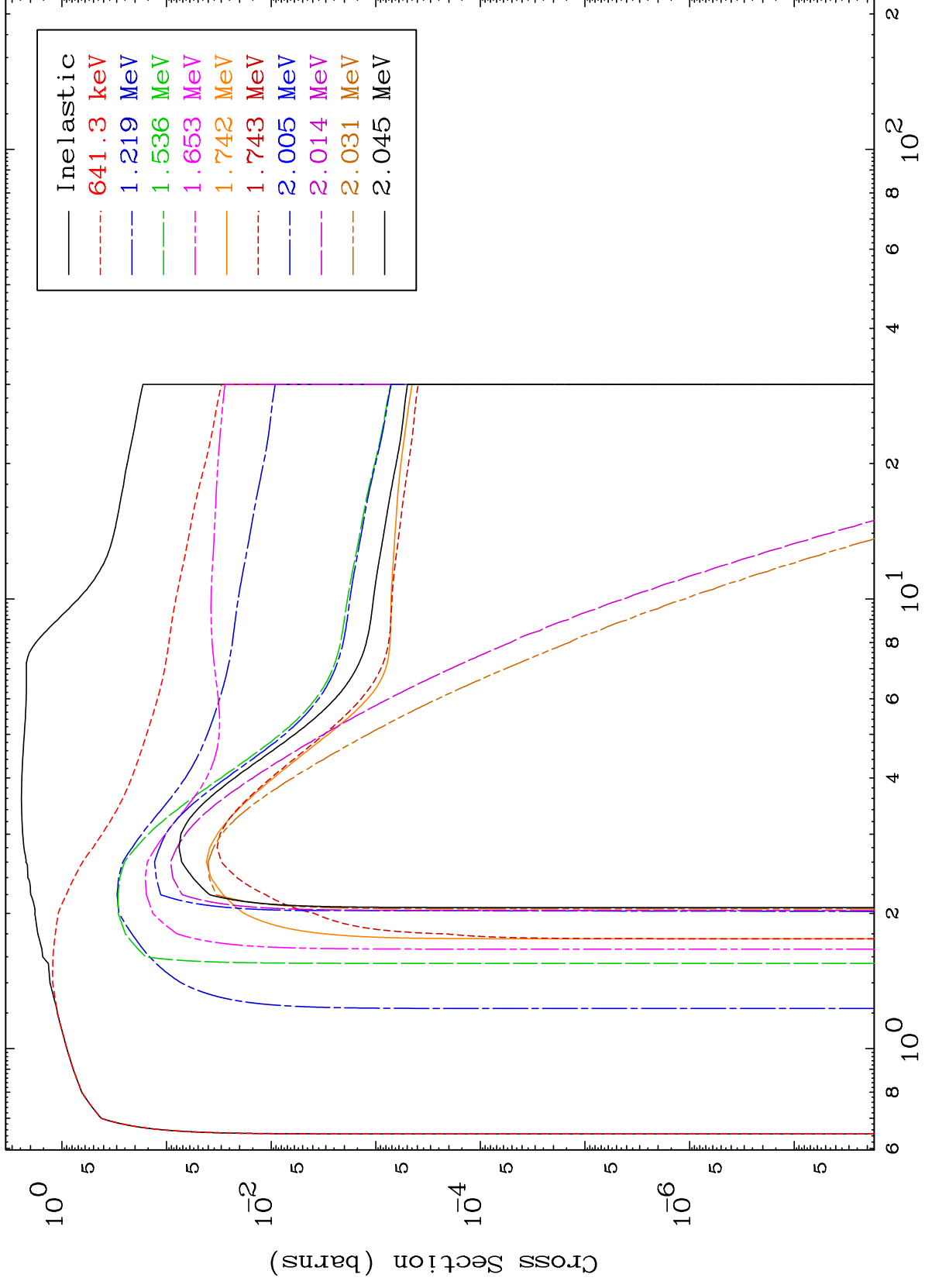
58-Ce-142



MAT 5843

(n,n') Level
293 Kelvin Cross Sections

58-Ce-142



7

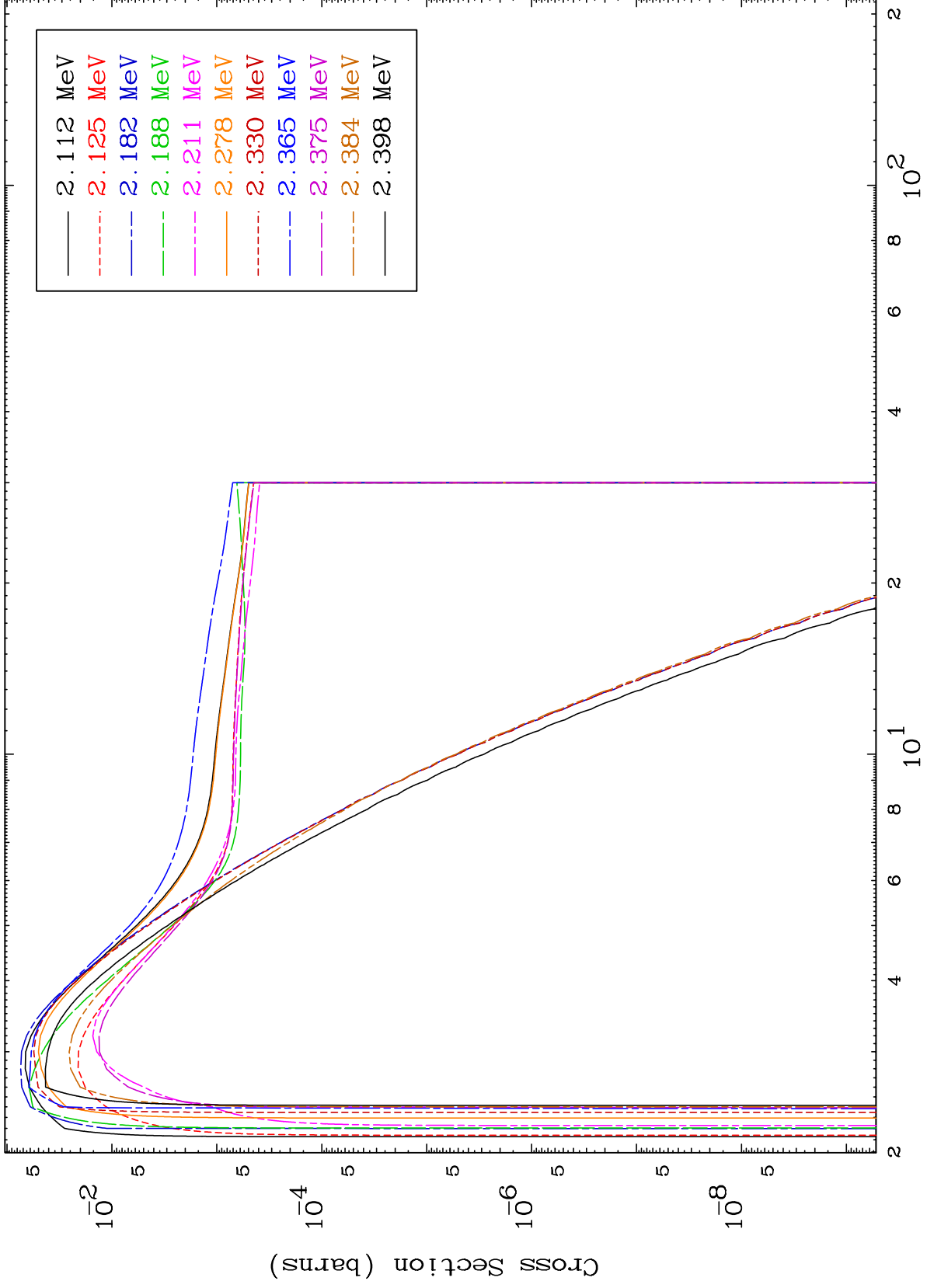
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,n') Level
293 Kelvin Cross Sections

58-Ce-142



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Incident Energy (MeV)

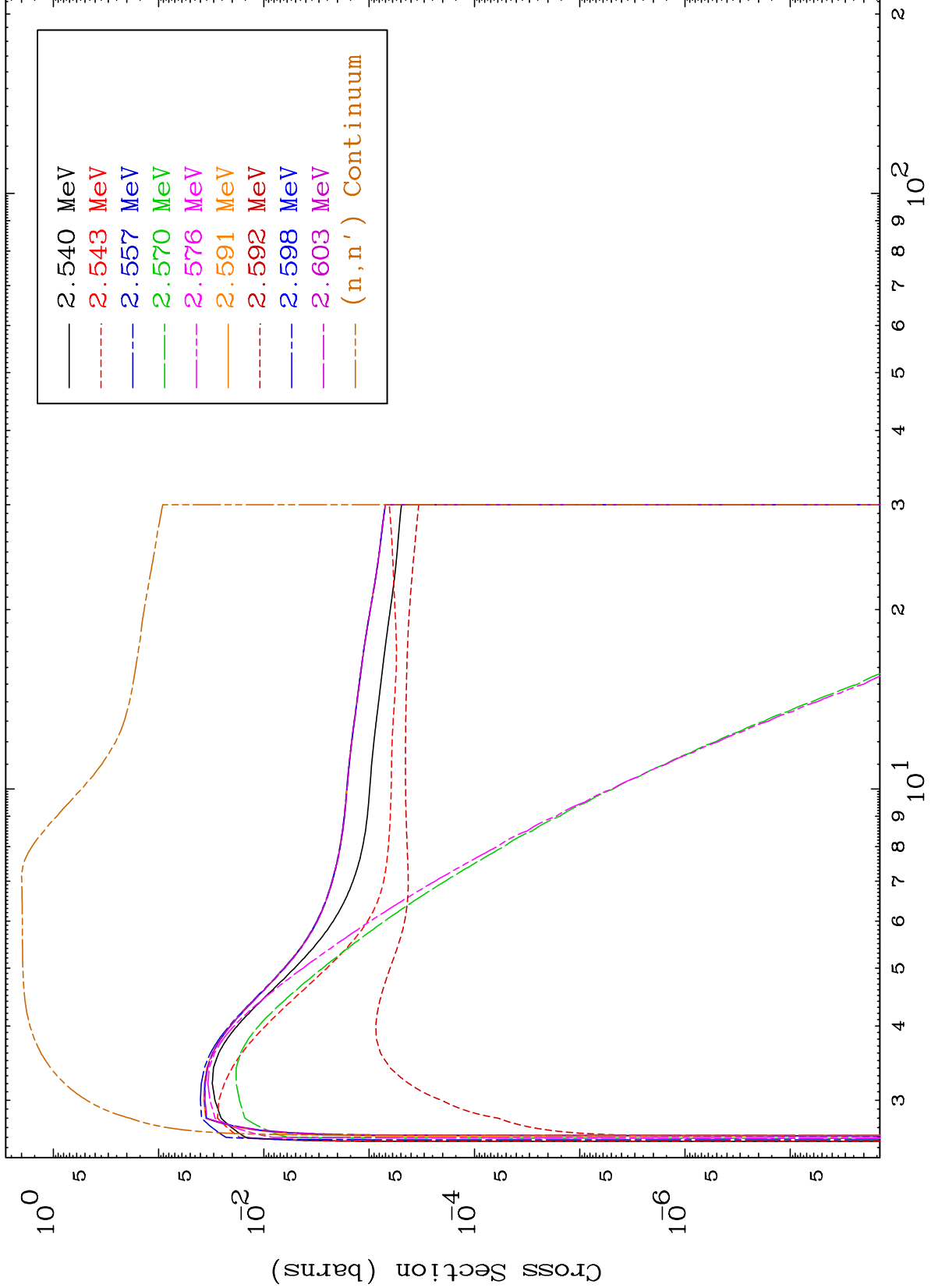
58-Ce-142

MAT 5843

(n,n') Level

58-Ce-142

293 Kelvin Cross Sections



9

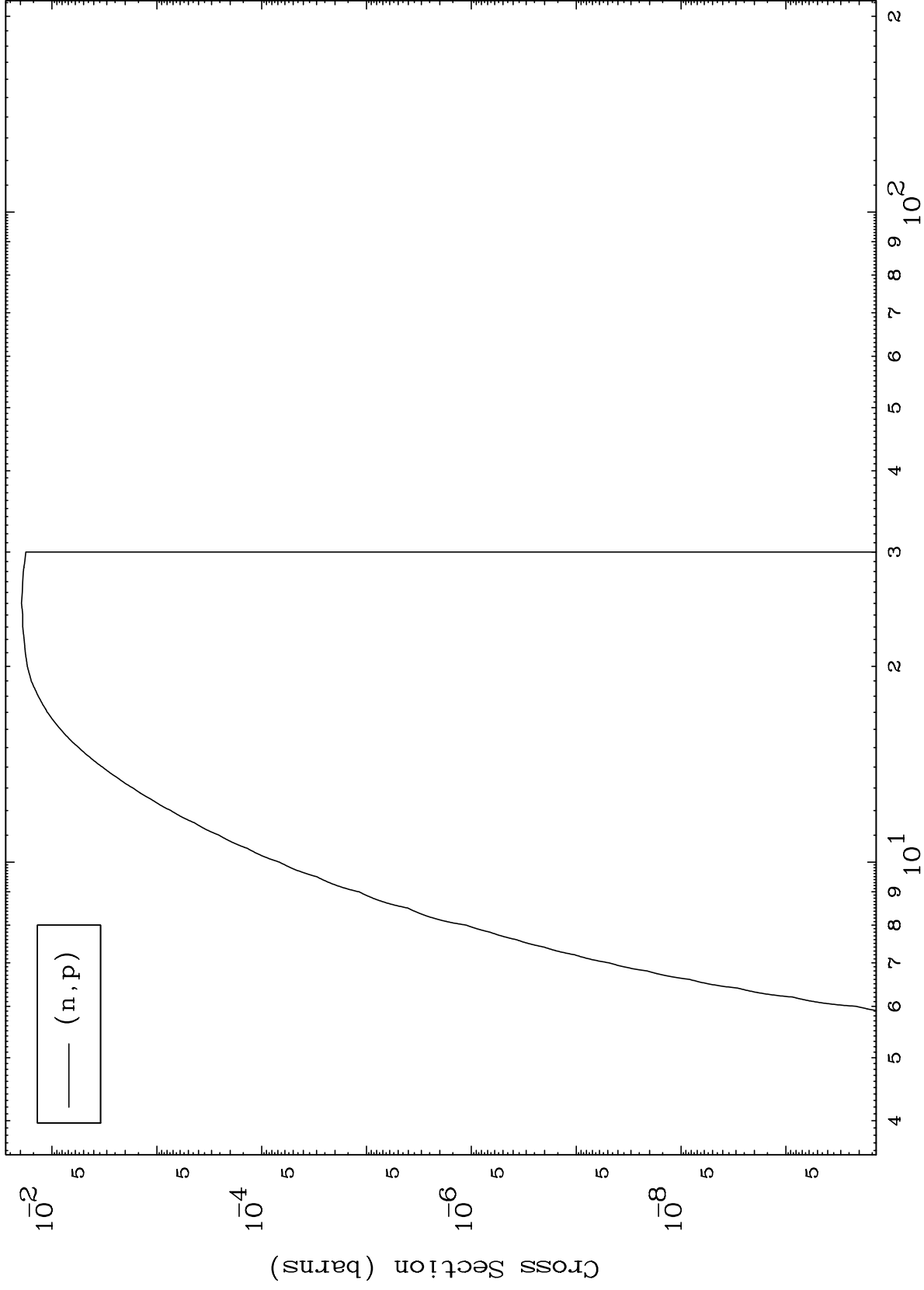
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-142



10

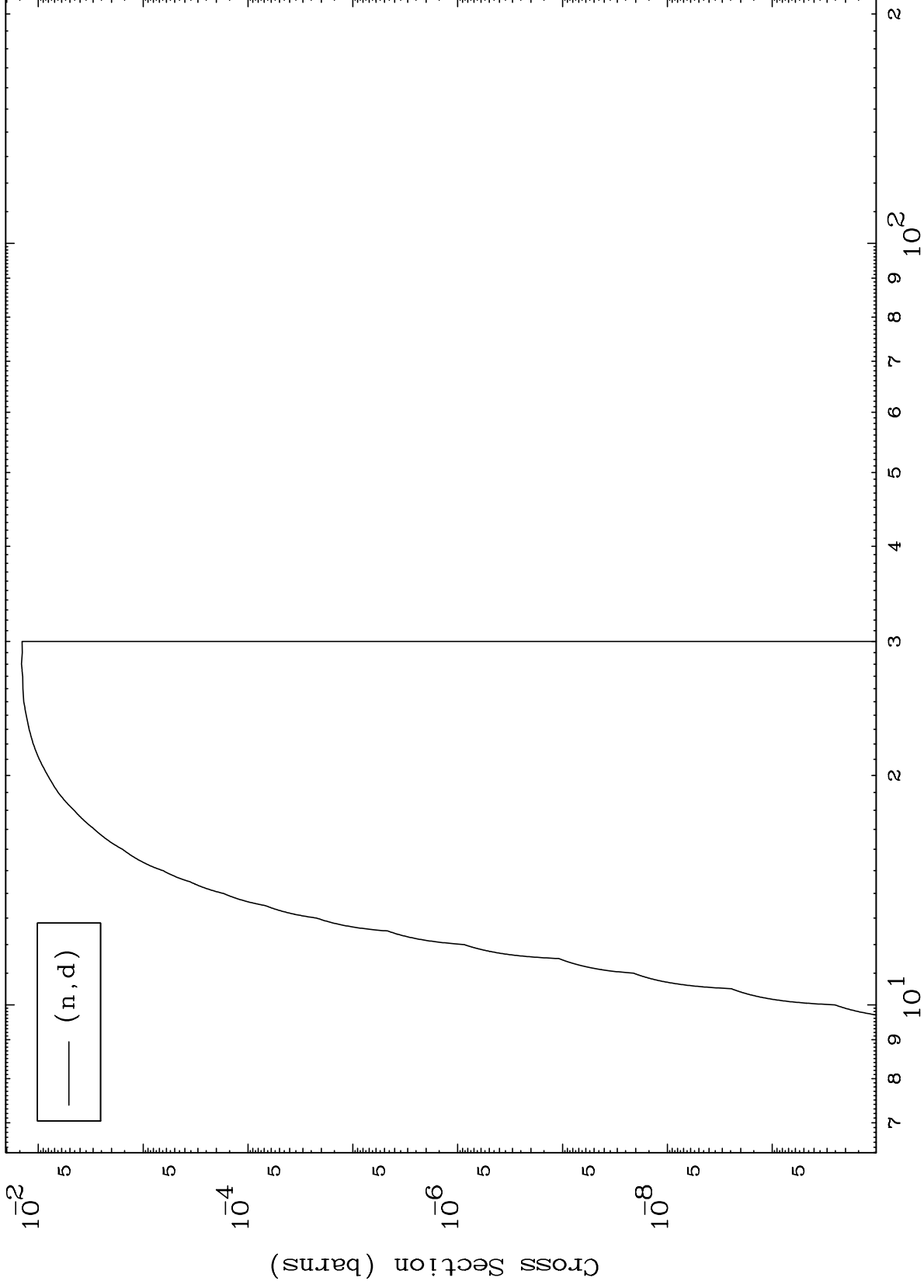
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-142



11

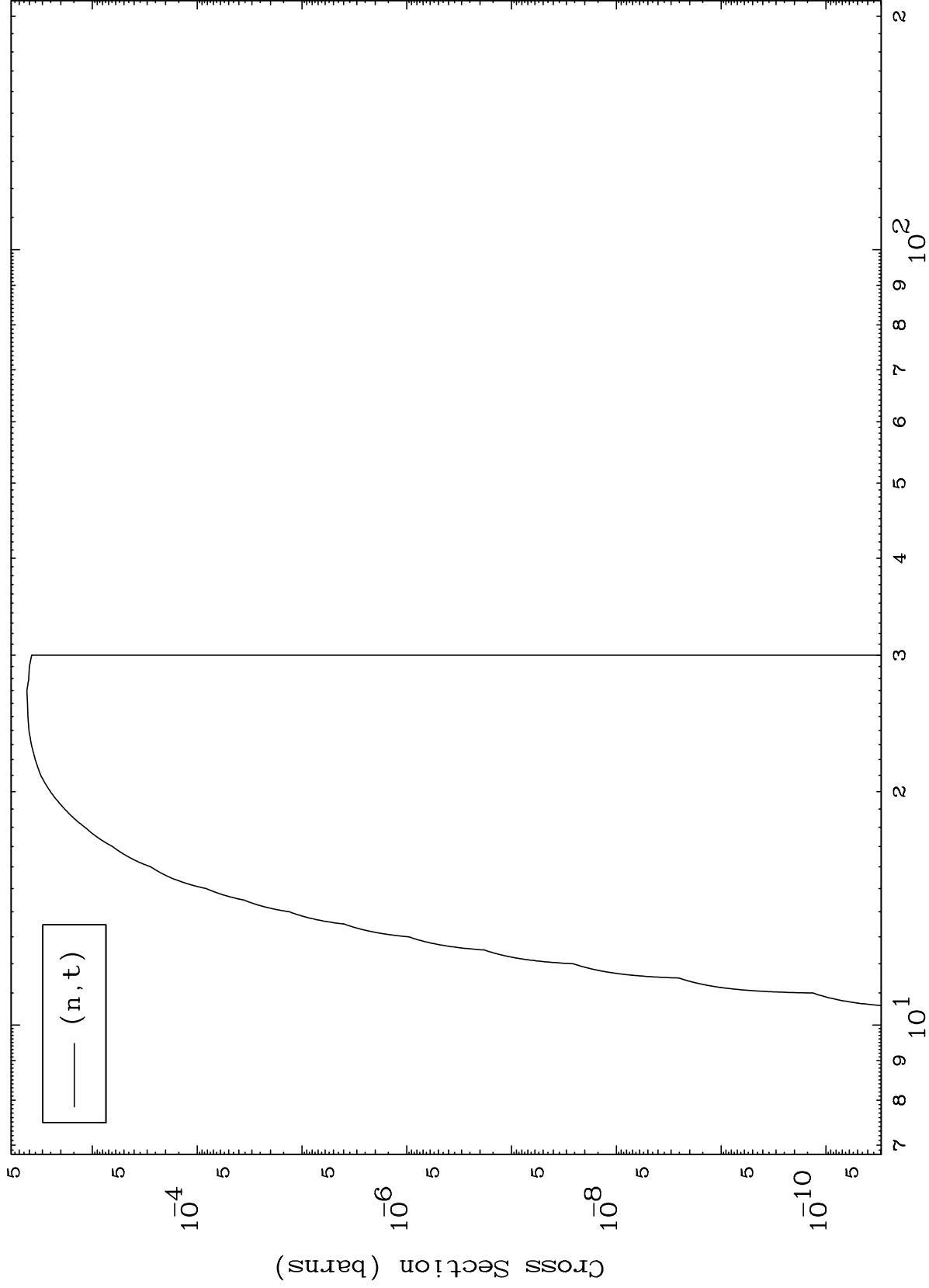
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-142



12

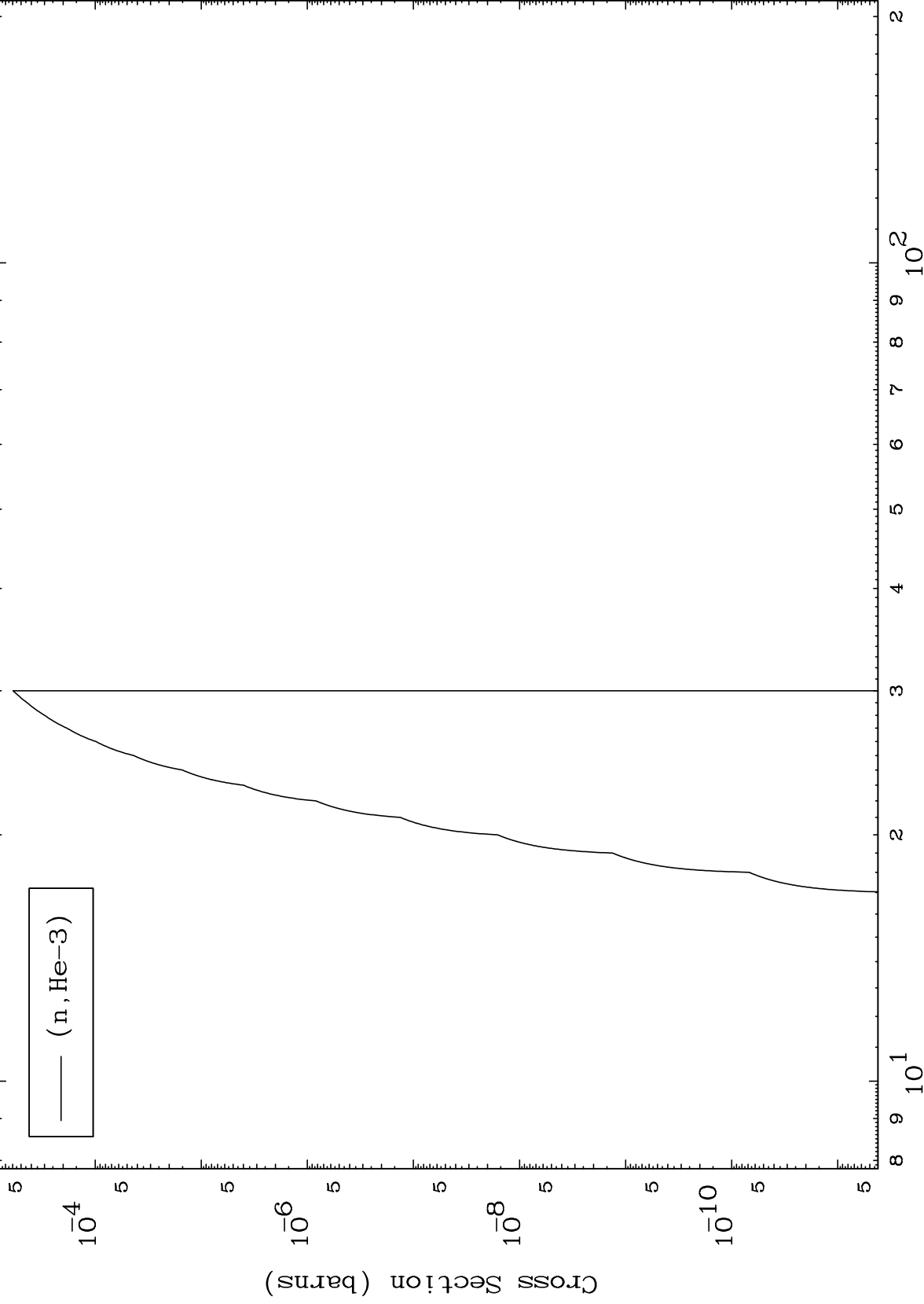
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-142



13

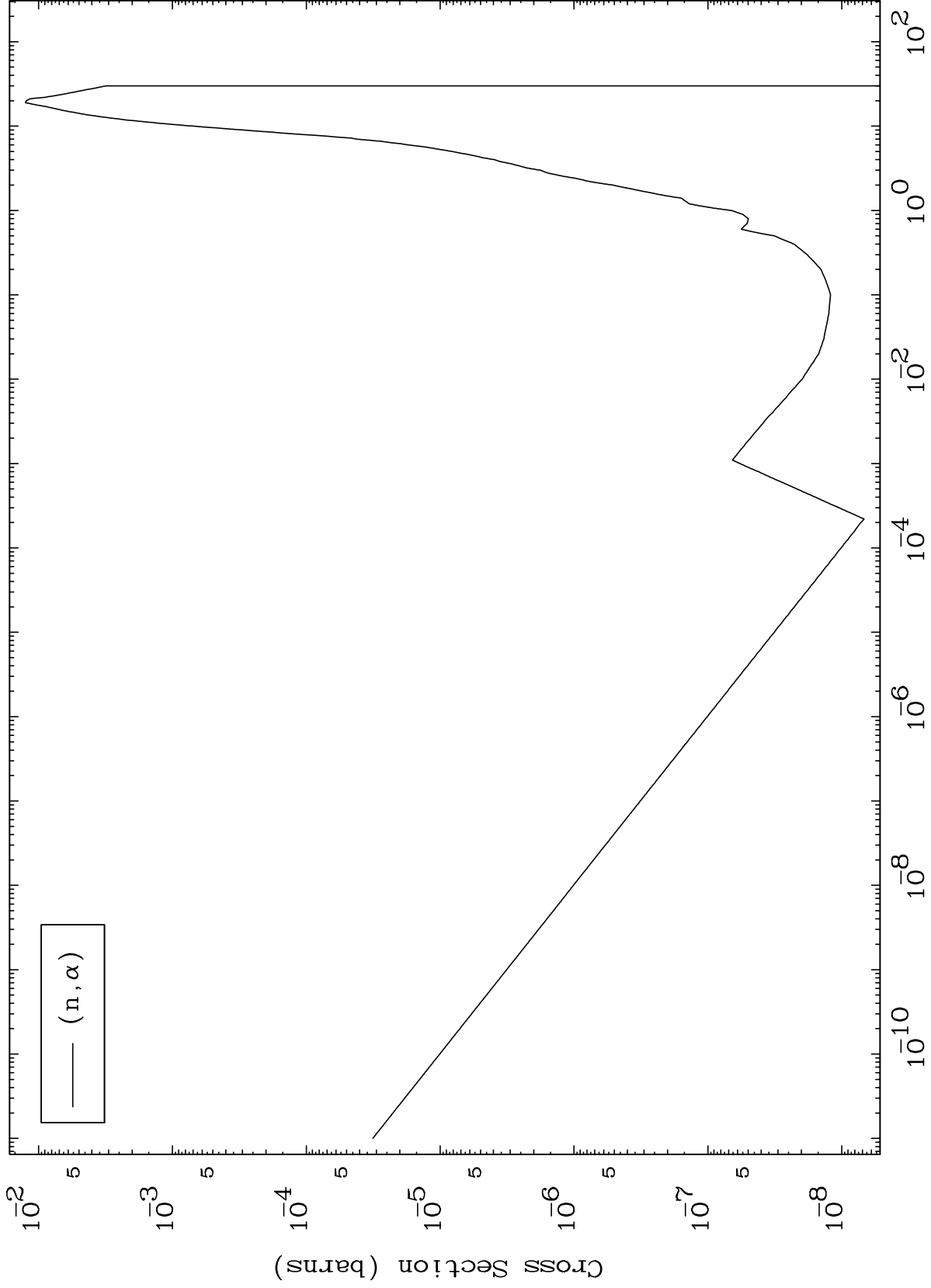
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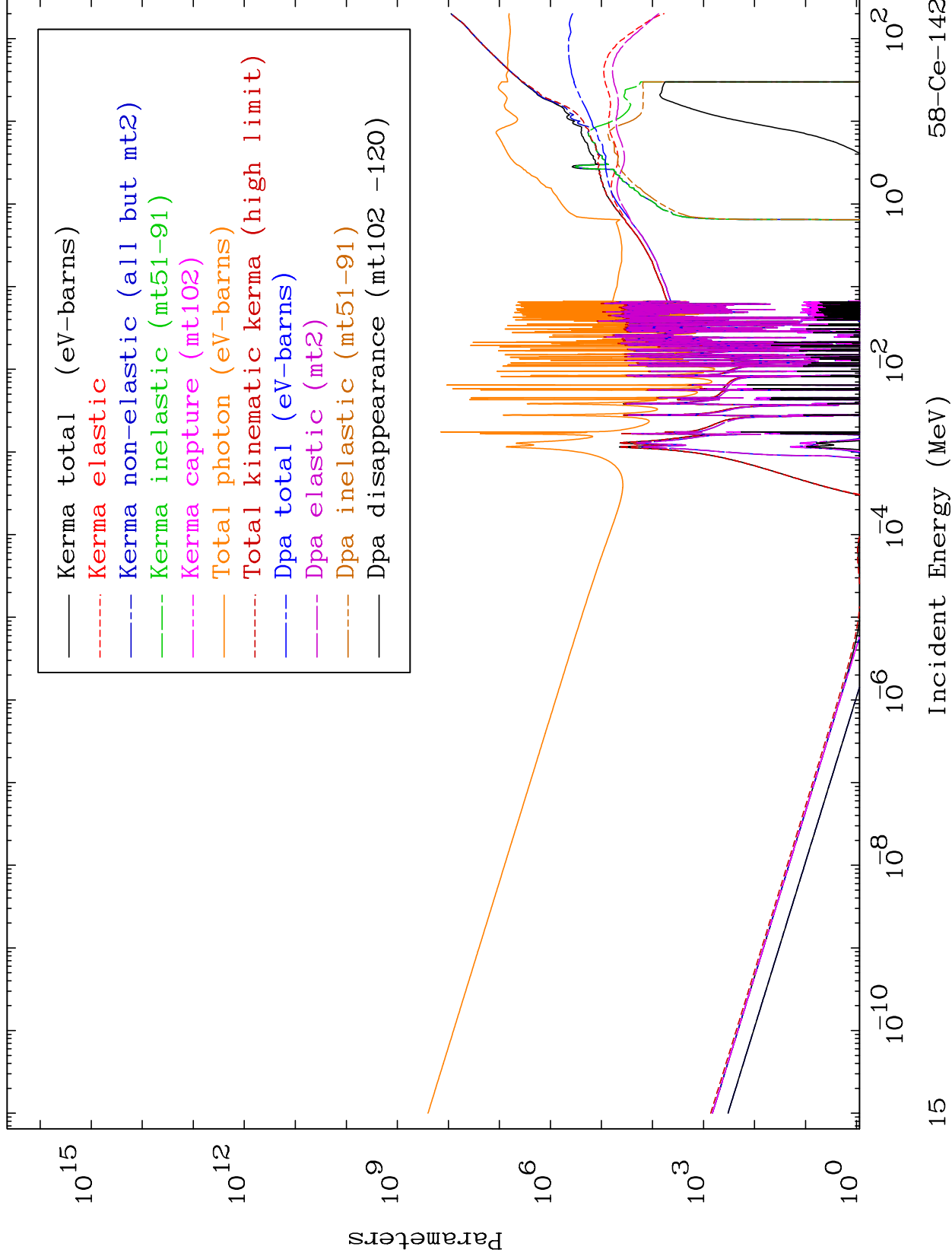
58-Ce-142

MAT 5843

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-142

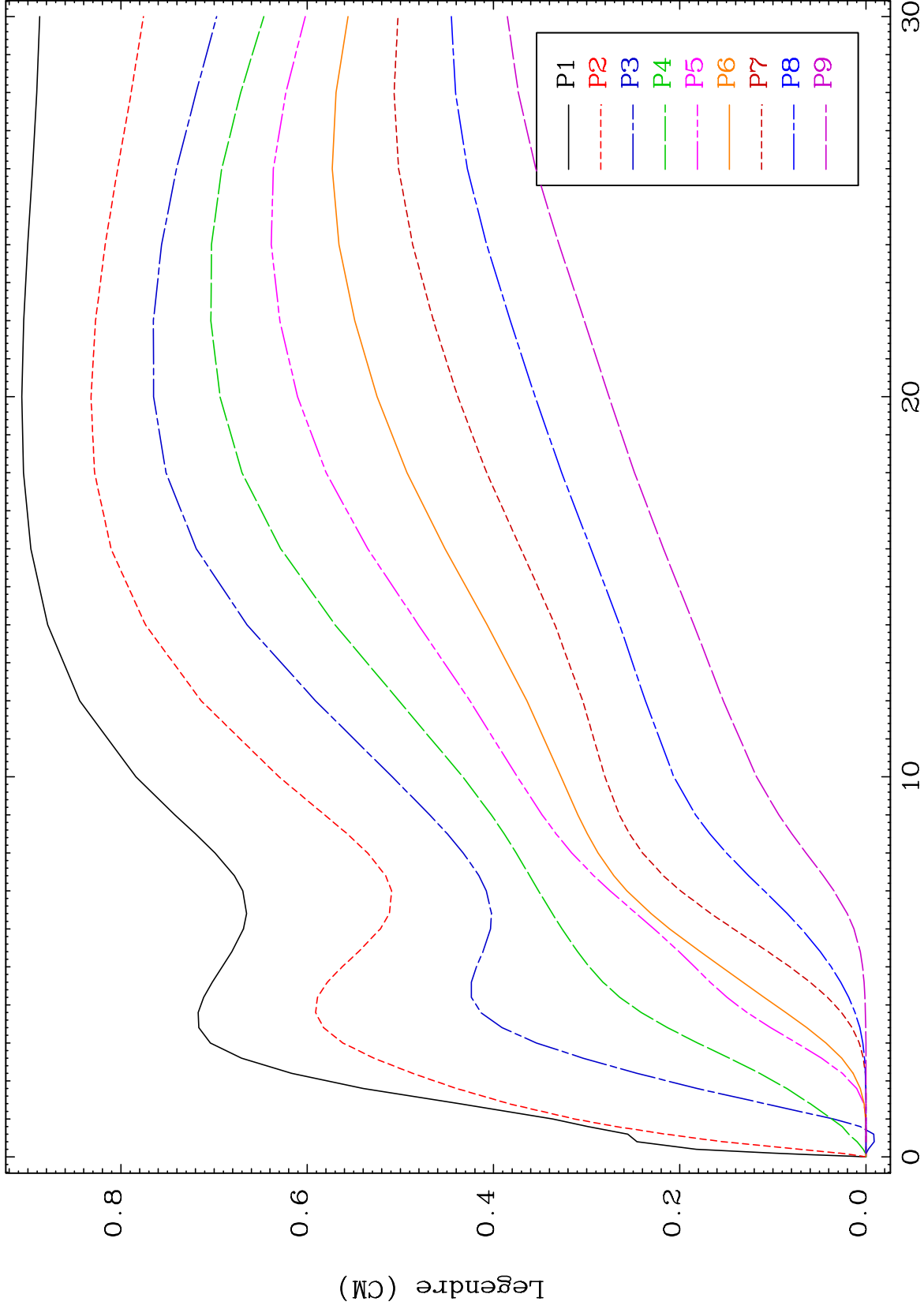




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Elastic Legendre Coefficients

58-Ce-142



16

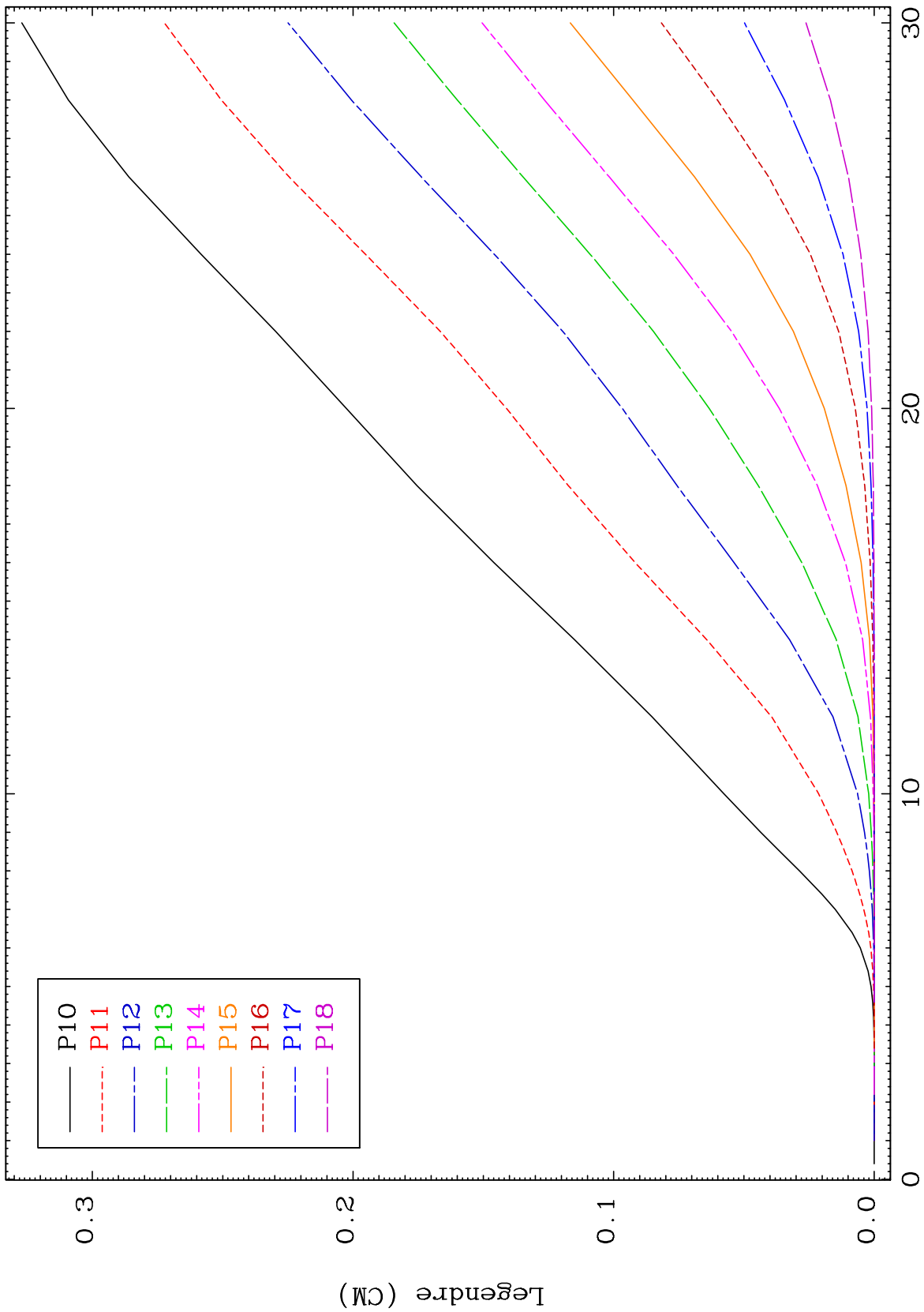
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



17

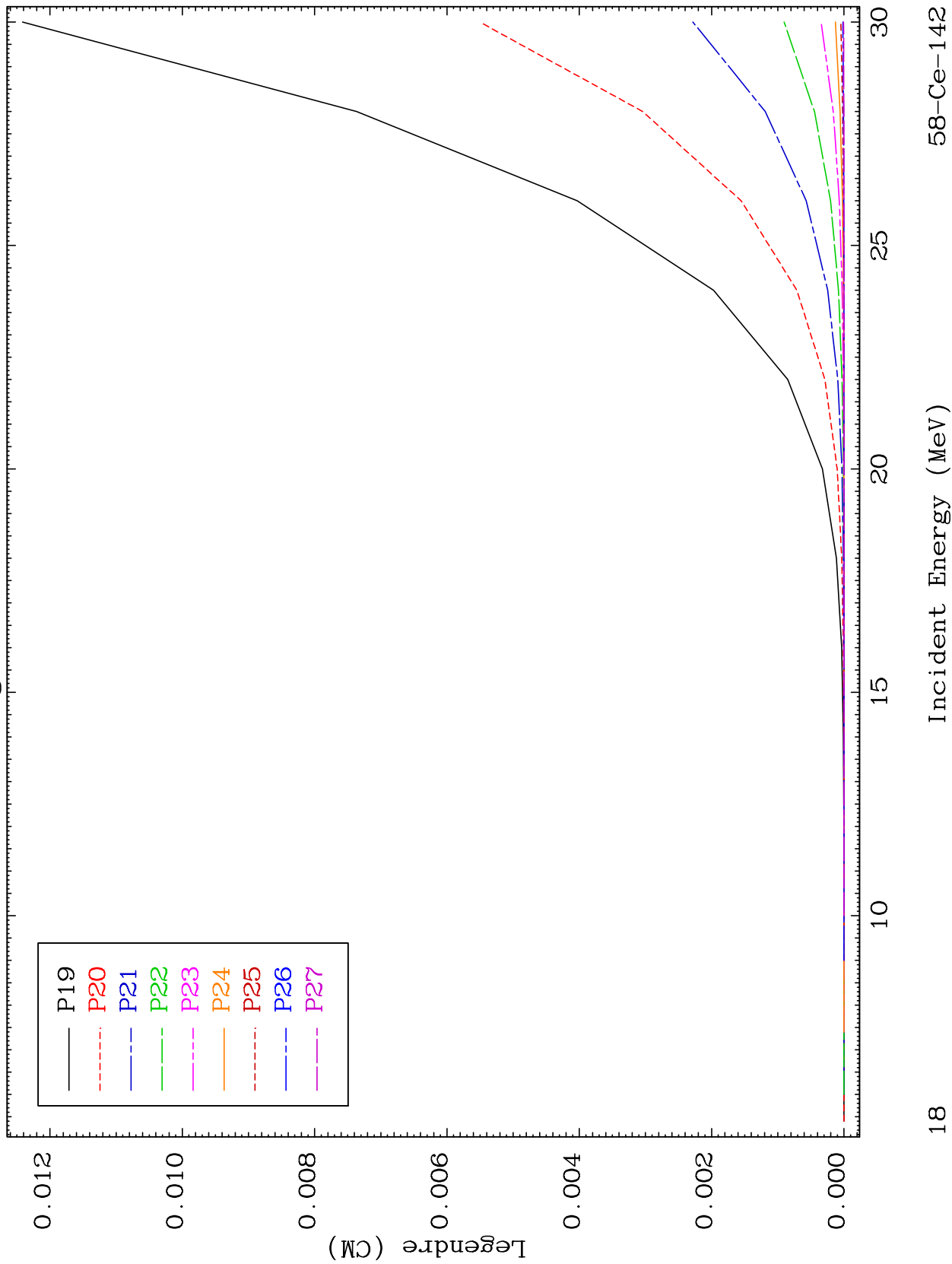
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic Legendre Coefficients

58-Ce-142



18

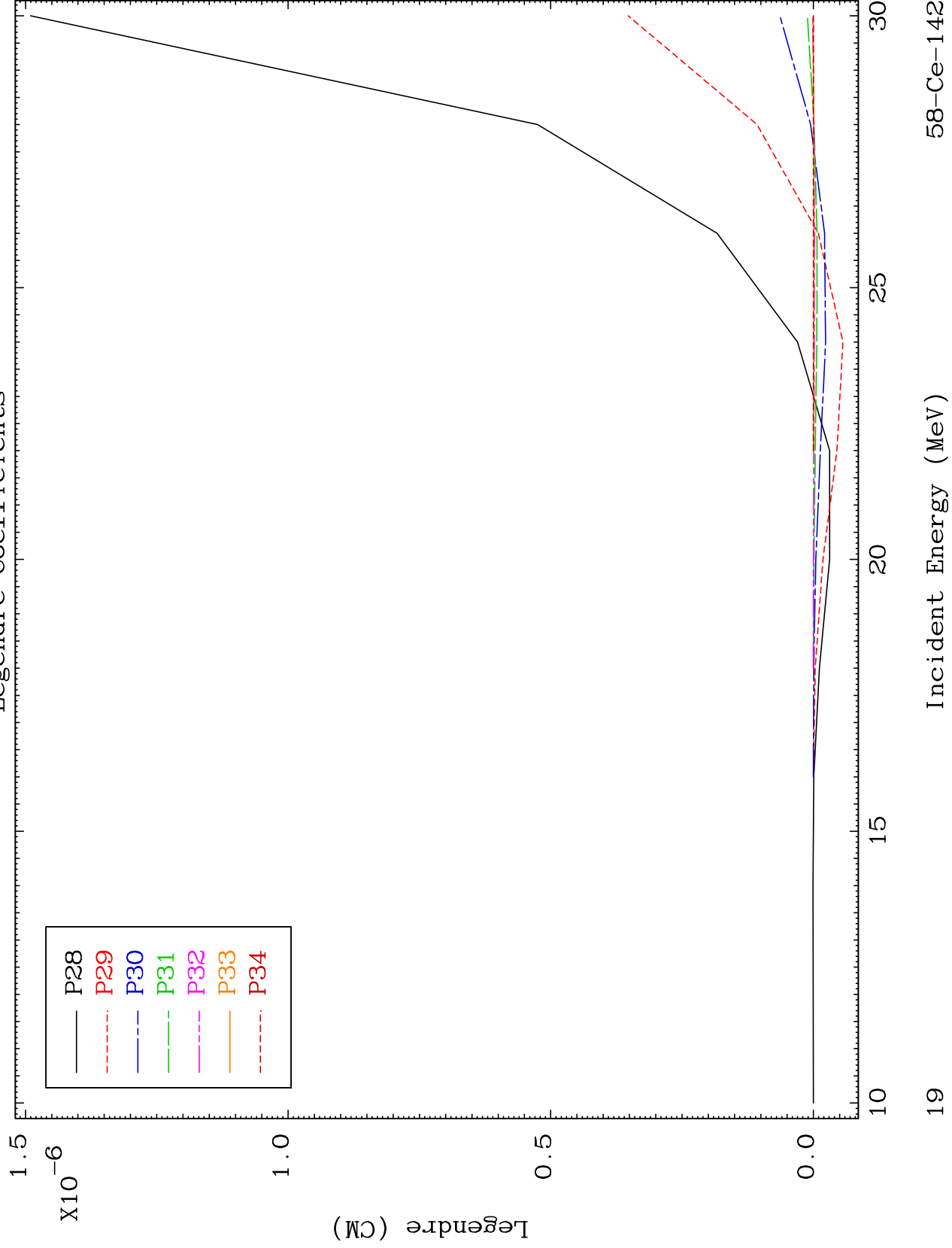
Incident Energy (MeV)

58-Ce-142

MAT 5843

Elastic
Legendre Coefficients

58-Ce-142



19

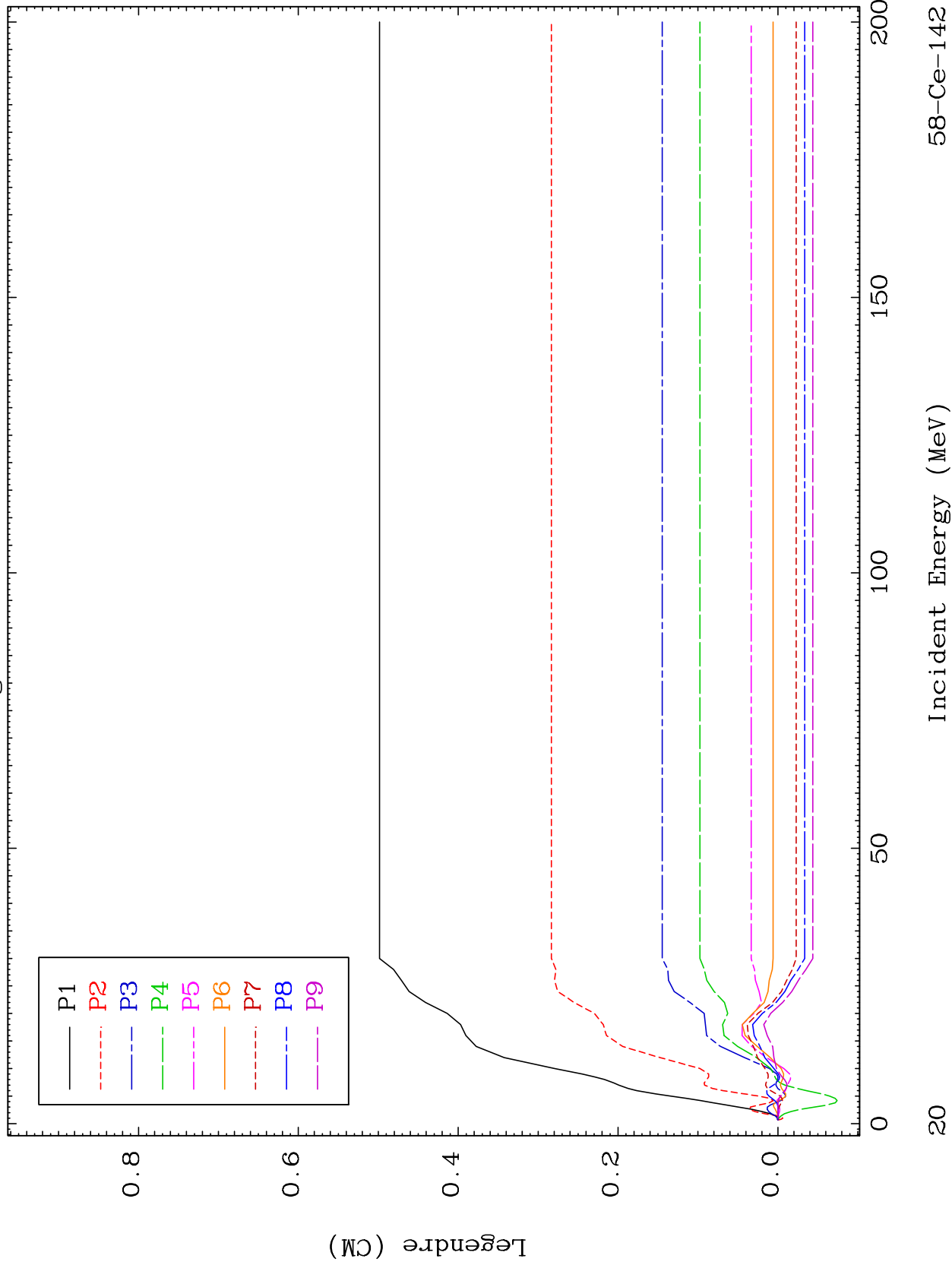
Incident Energy (MeV)

58-Ce-142

MAT 5843

641.3 keV (n,n') Level
Legendre Coefficients

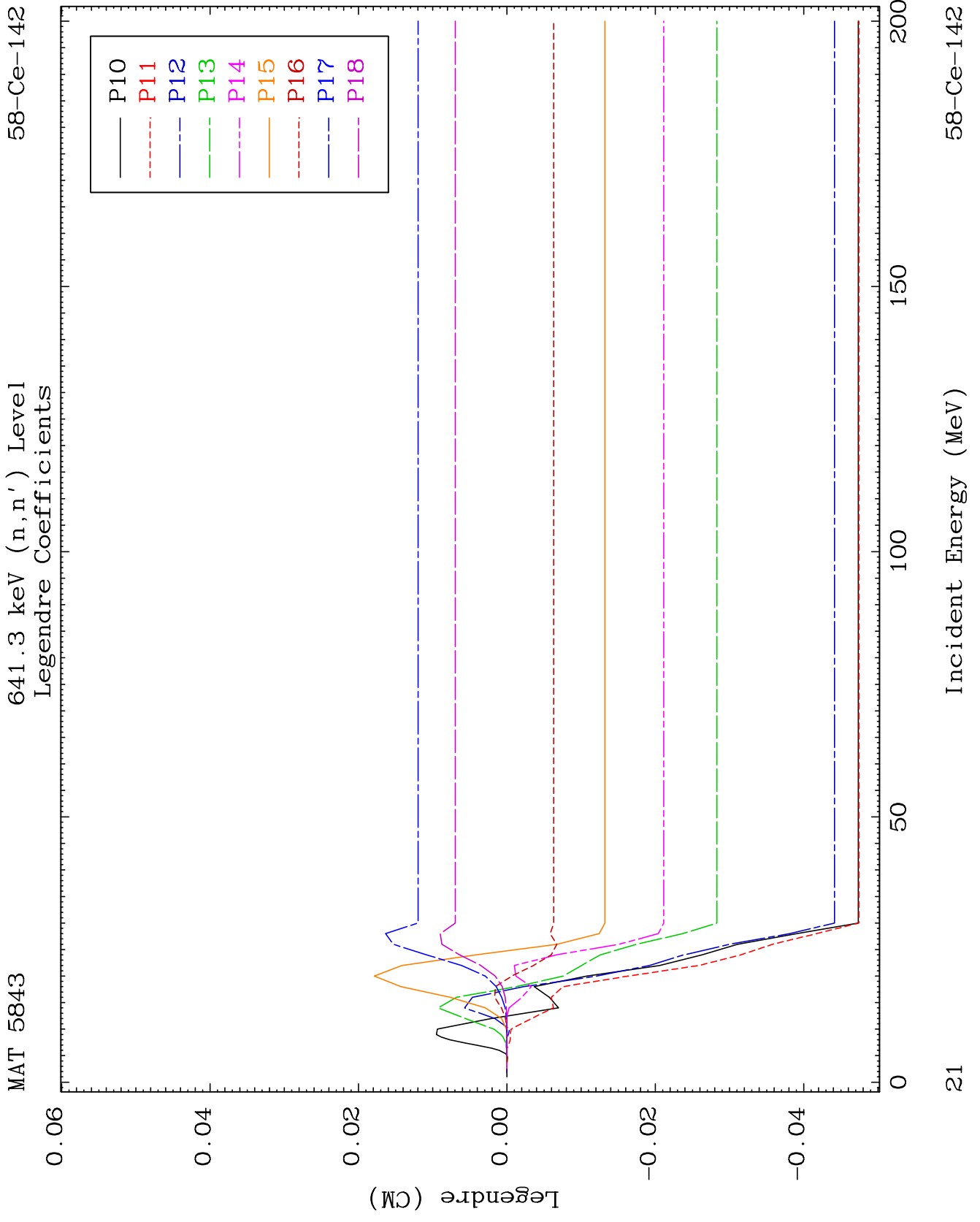
58-Ce-142



58-Ce-142

Incident Energy (MeV)

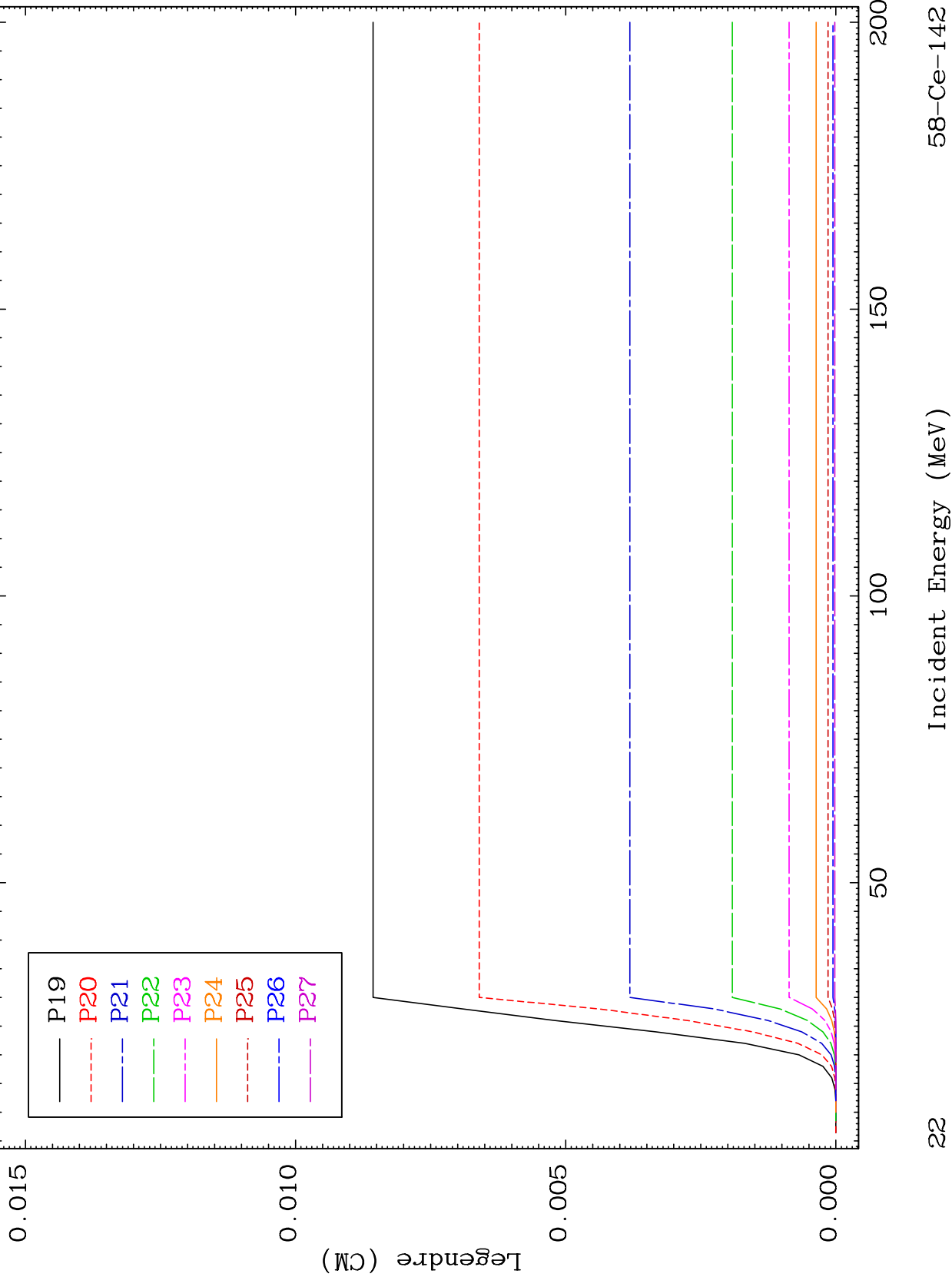
20



MAT 5843

641.3 keV (n,n') Level
Legendre Coefficients

58-Ce-142



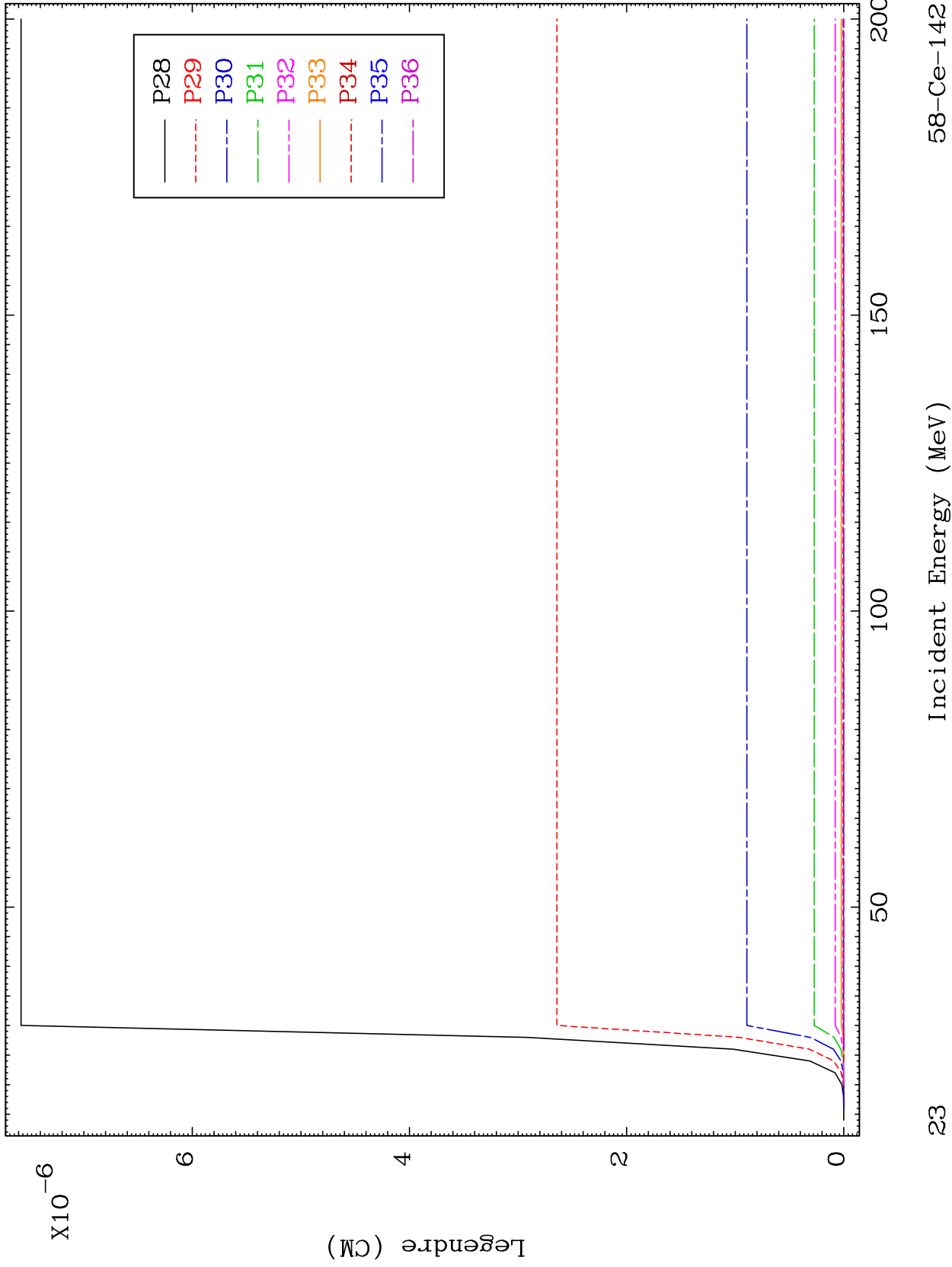
22

58-Ce-142

MAT 5843

641.3 keV (n,n') Level
Legendre Coefficients

58-Ce-142



23

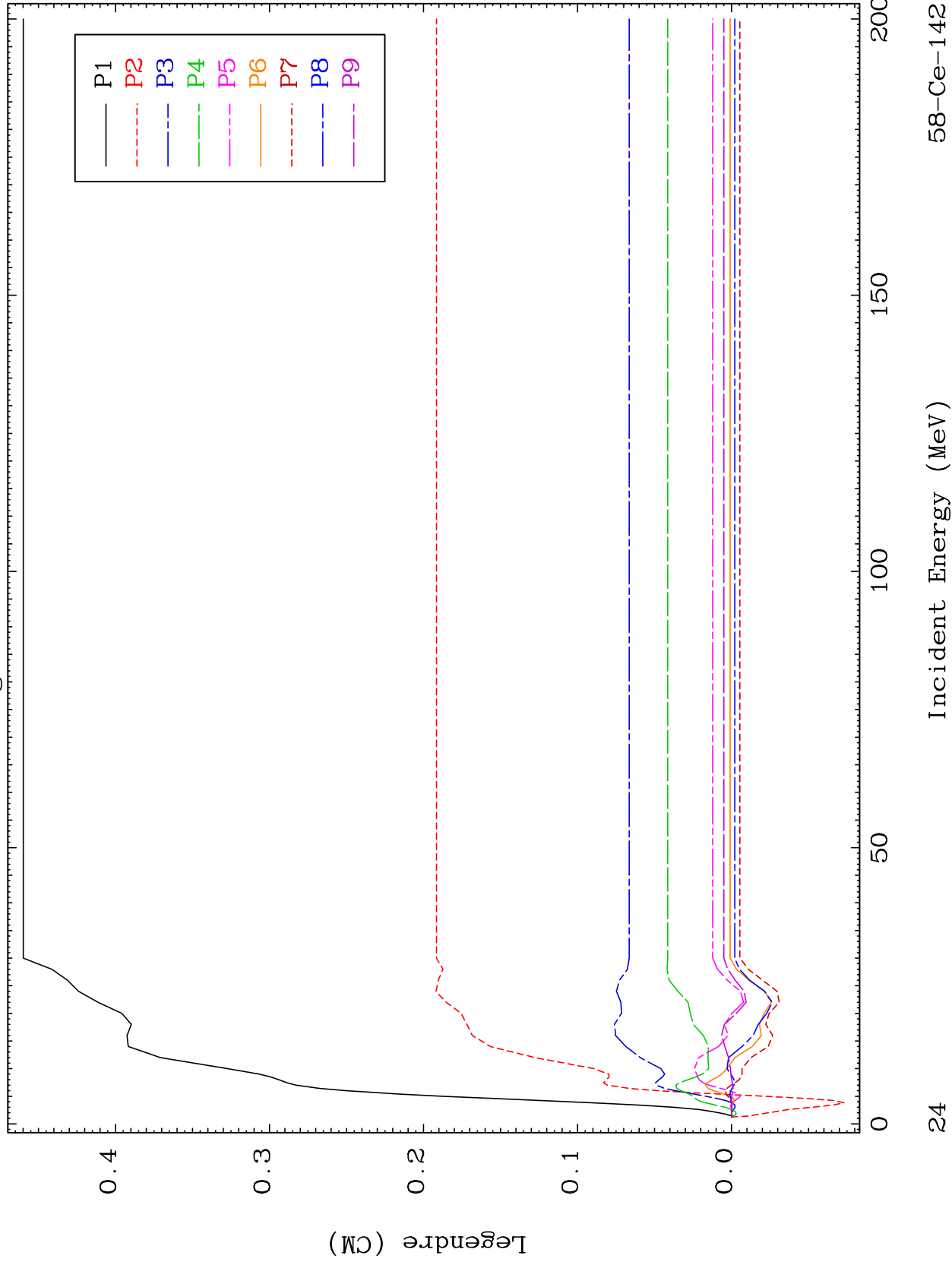
Incident Energy (MeV)

58-Ce-142

MAT 5843

1.219 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



58-Ce-142

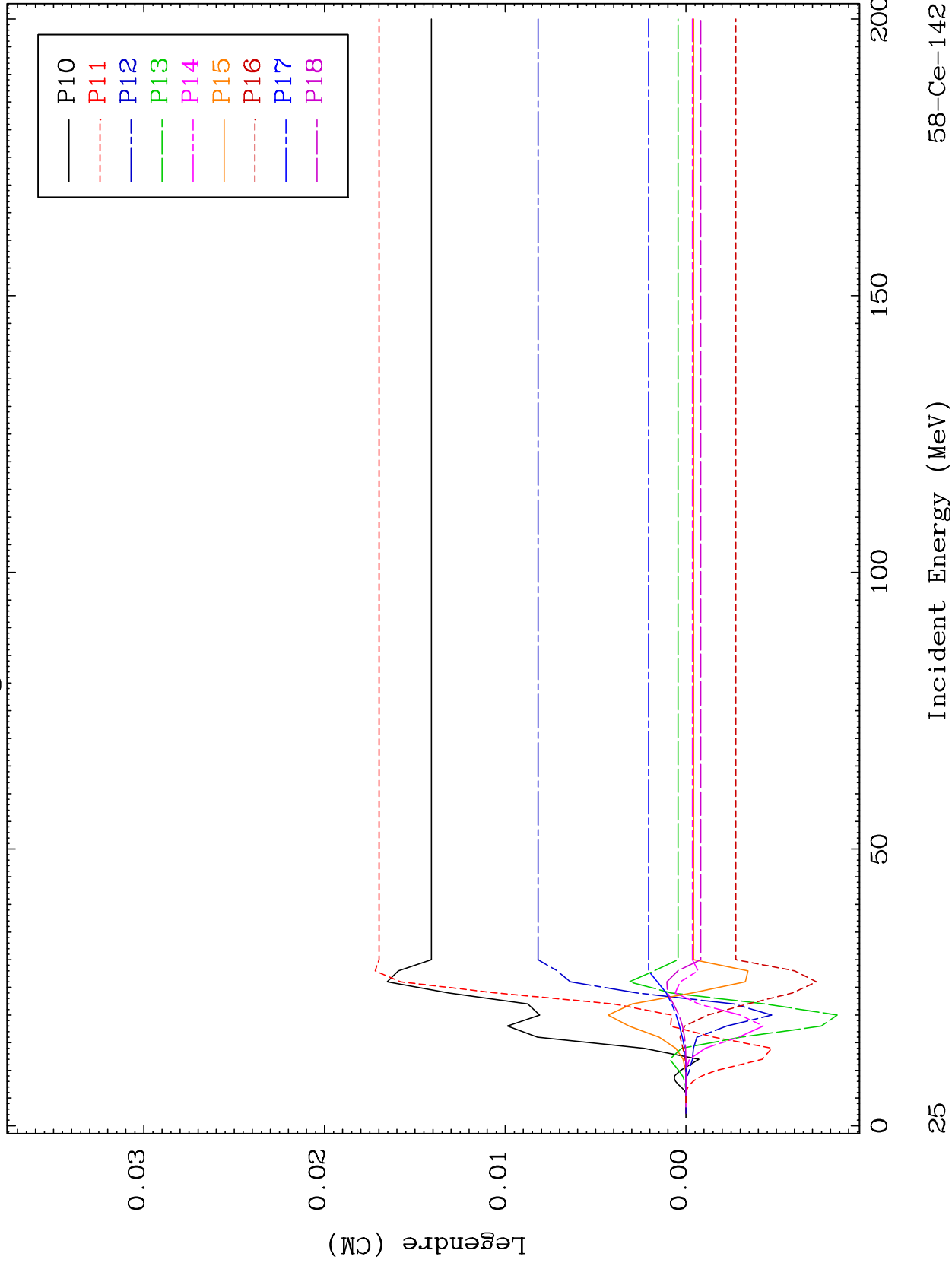
Incident Energy (MeV)

24

MAT 5843

1.219 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



58-Ce-142

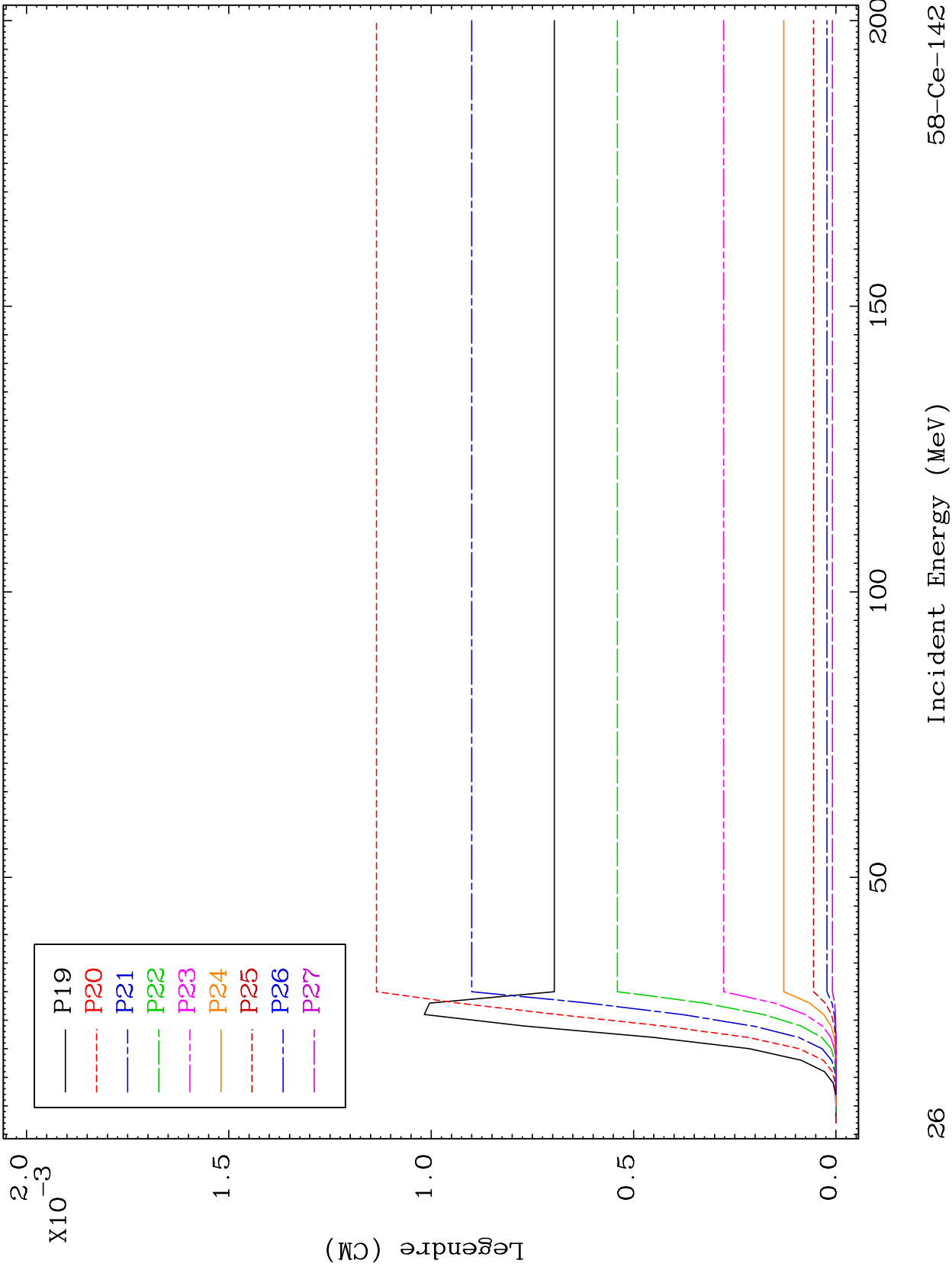
Incident Energy (MeV)

25

MAT 5843

1.219 MeV (n, n') Level
Legendre Coefficients

58-Ce-142

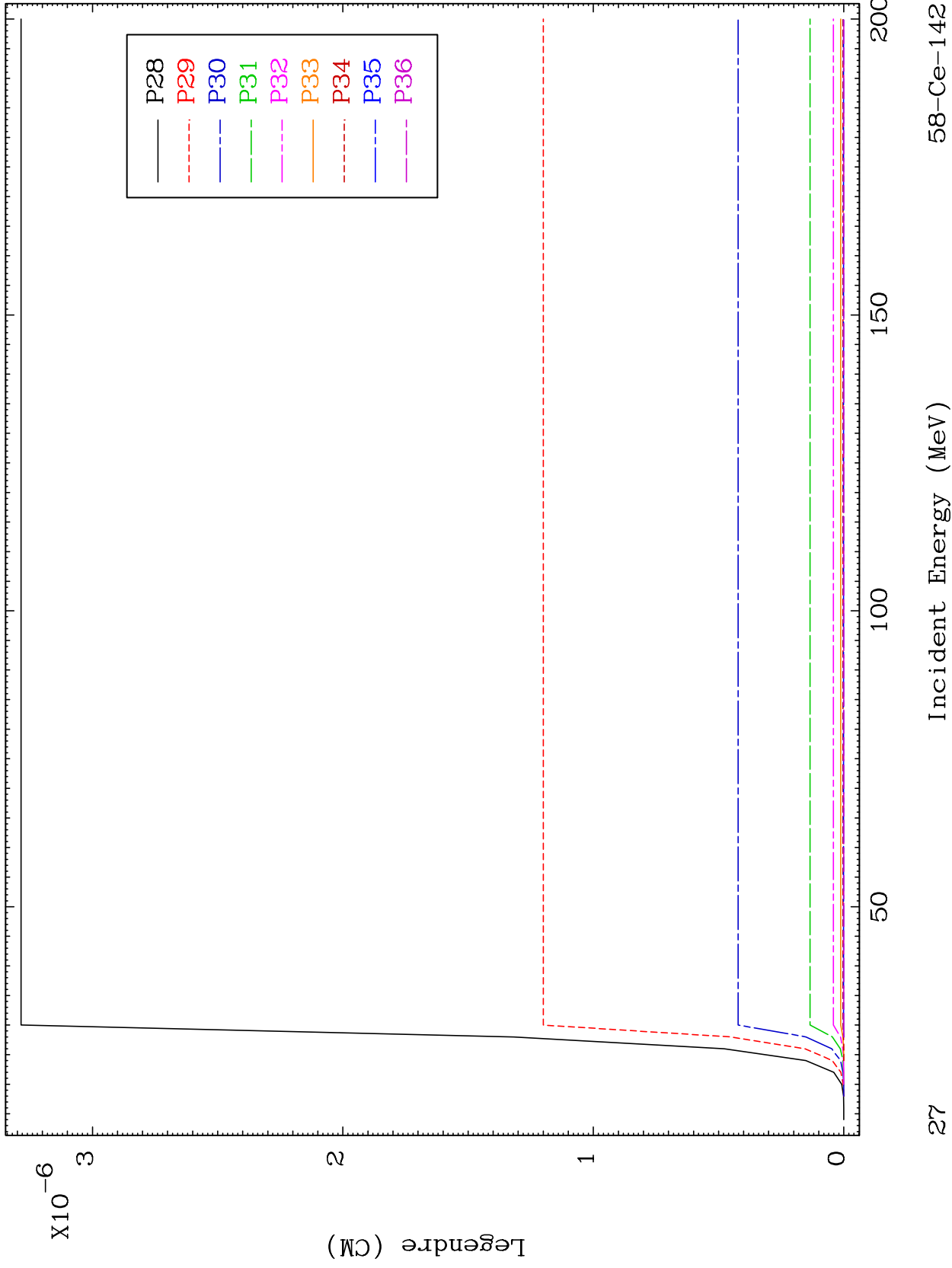


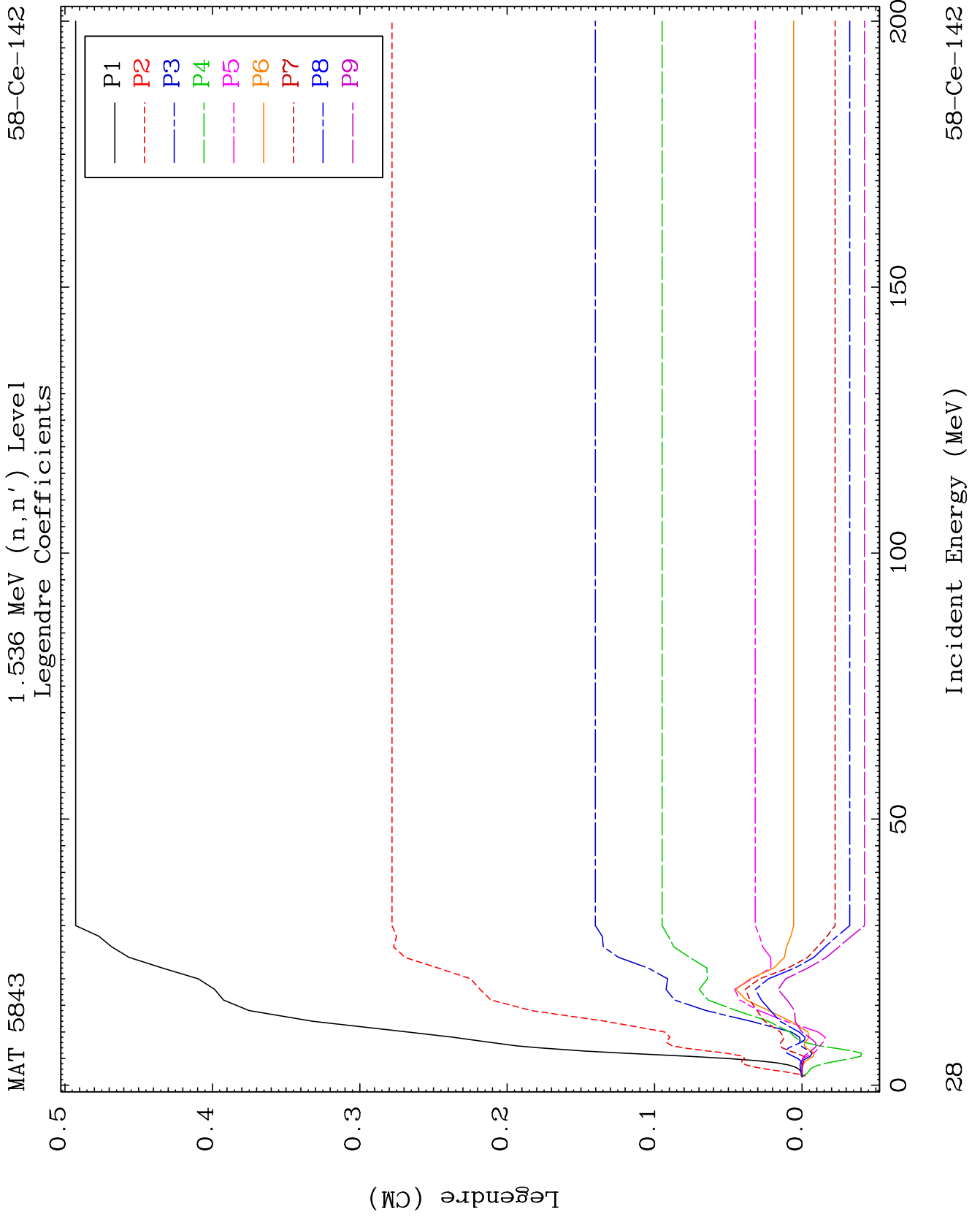
26

MAT 5843

1.219 MeV (n, n') Level
Legendre Coefficients

58-Ce-142

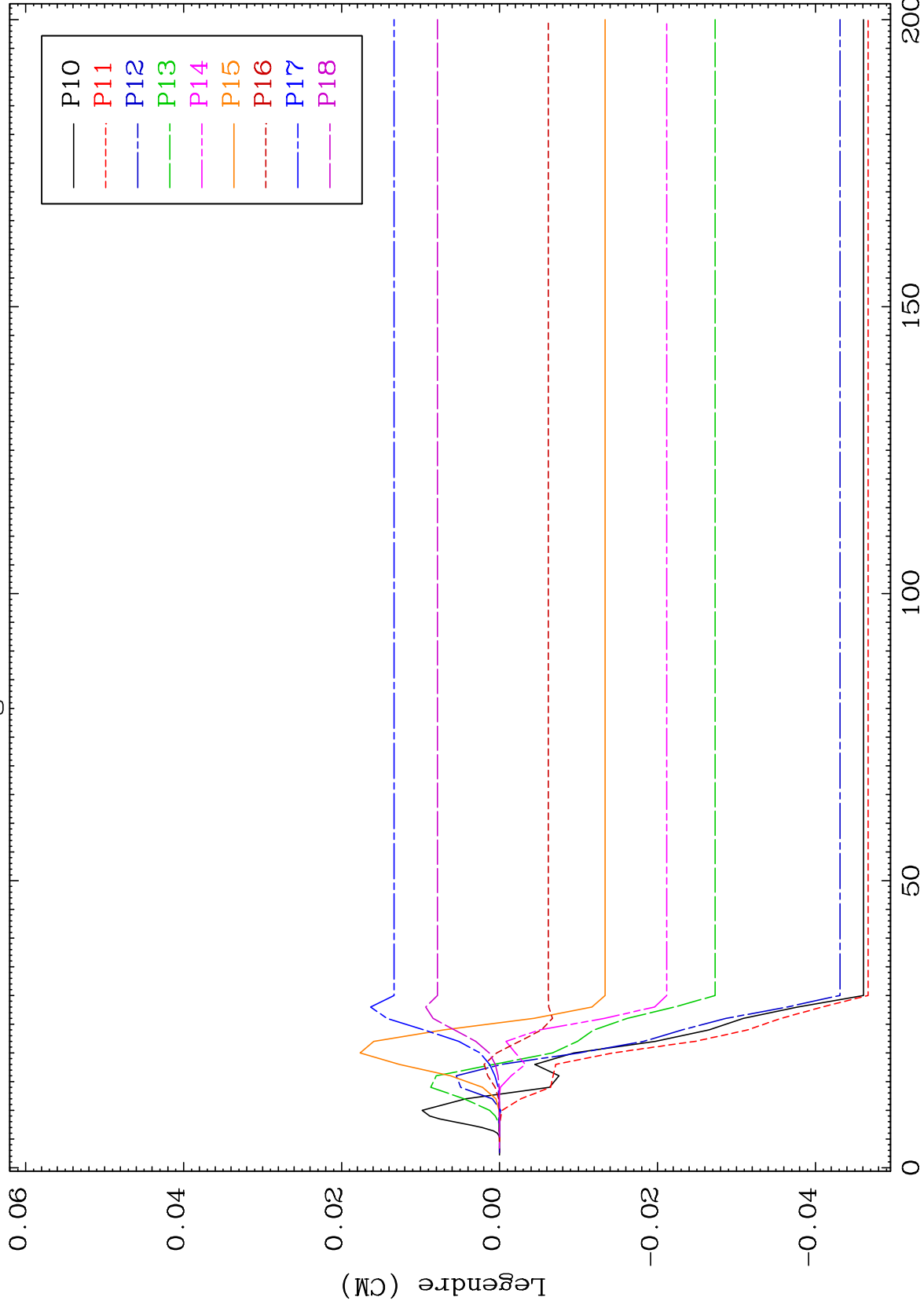




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1.536 MeV (n,n') Level
Legendre Coefficients

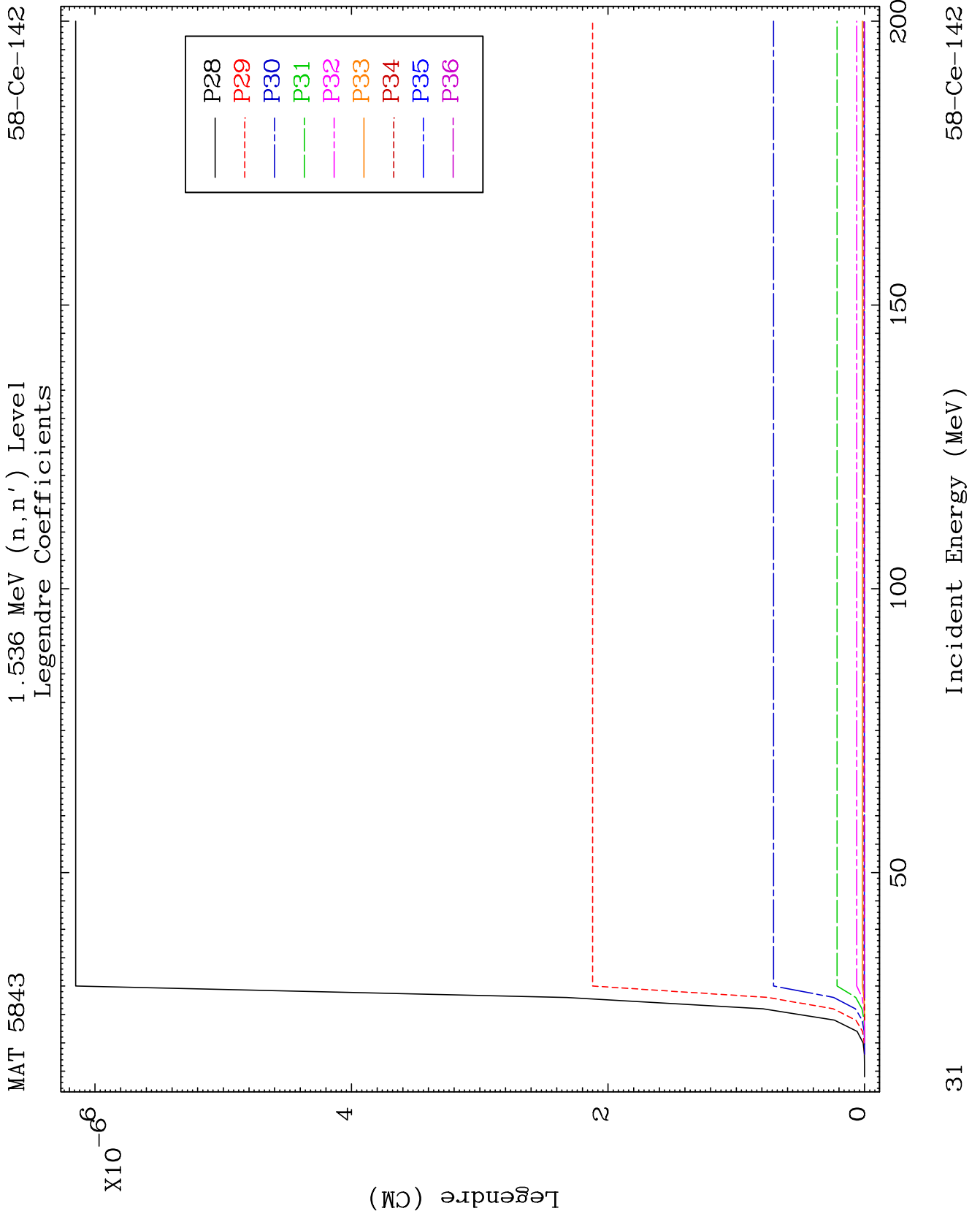
58-Ce-142



29

Incident Energy (MeV)

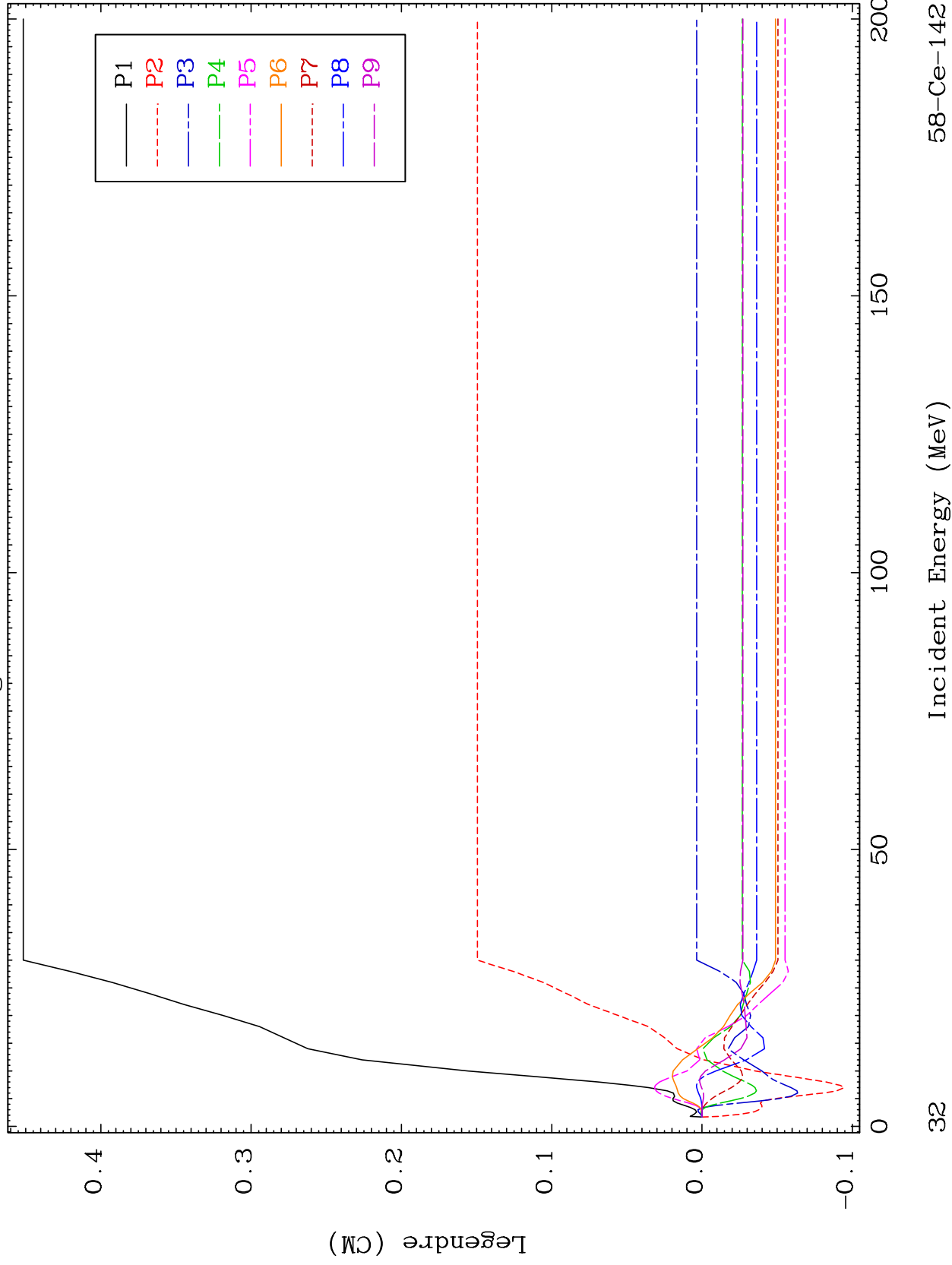
58-Ce-142



MAT 5843

1.653 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



58-Ce-142

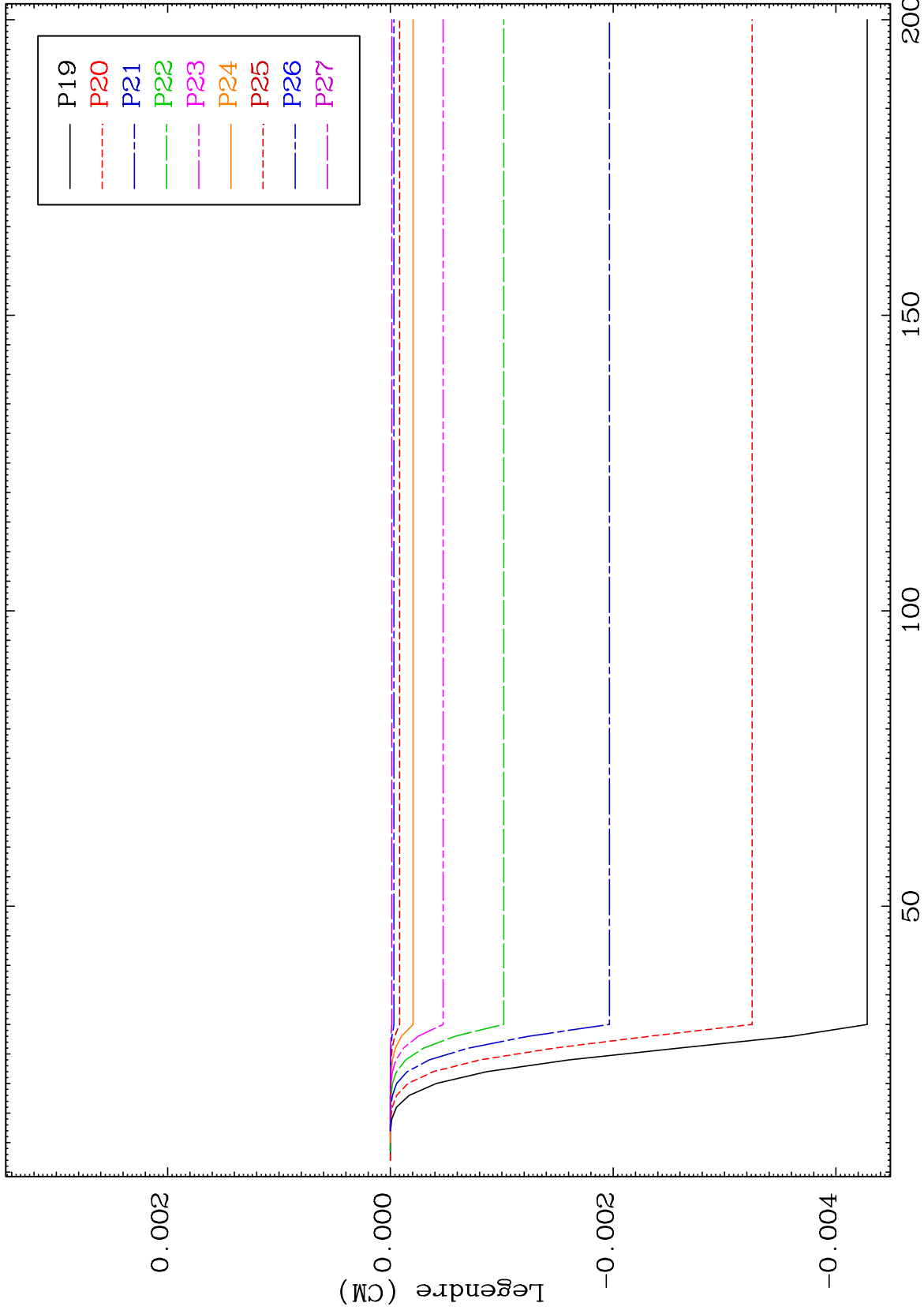
Incident Energy (MeV)

32

MAT 5843

1.653 MeV (n,n') Level
Legendre Coefficients

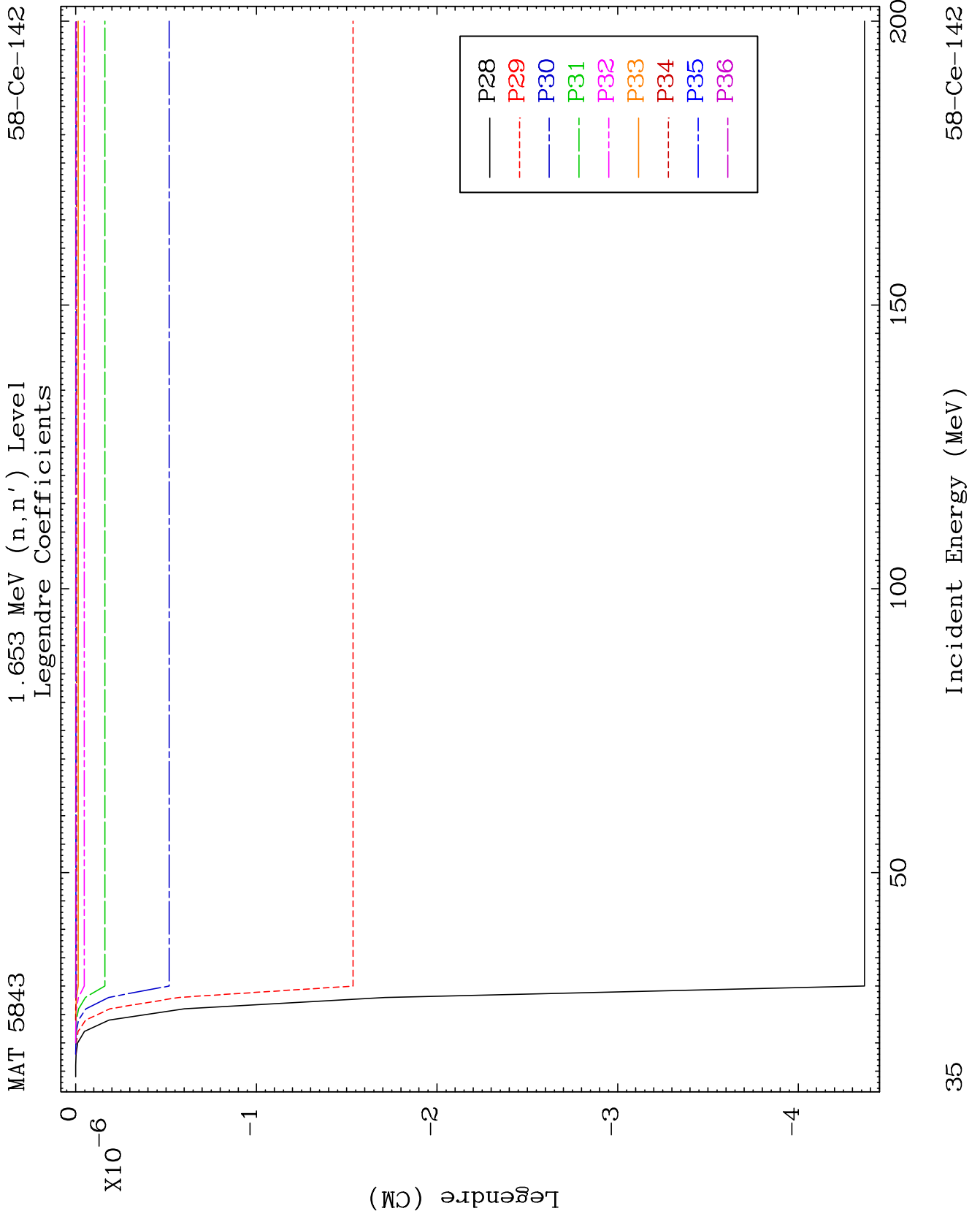
58-Ce-142



34

Incident Energy (MeV)

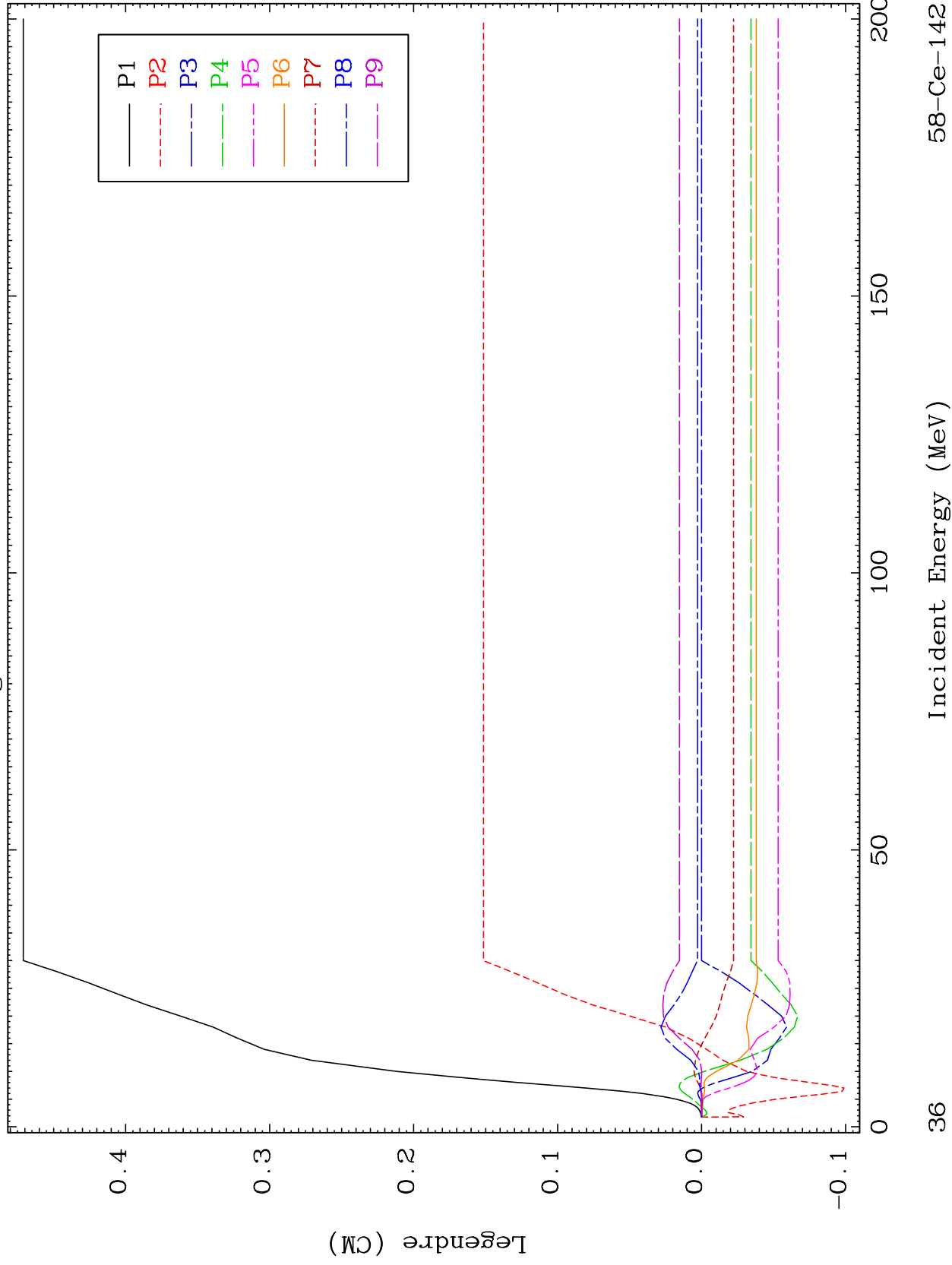
58-Ce-142



MAT 5843

1.742 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



58-Ce-142

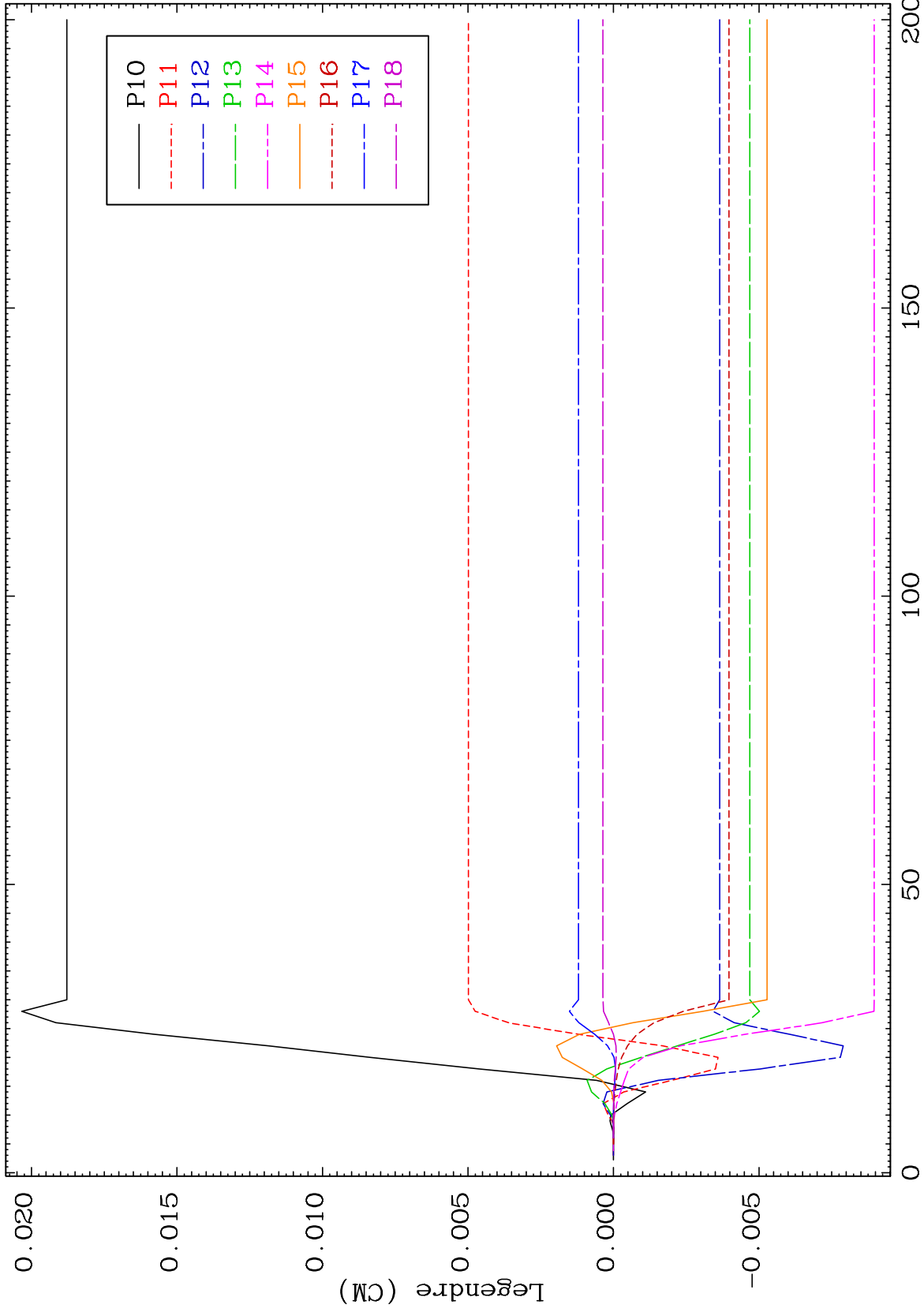
Incident Energy (MeV)

36

MAT 5843

1.742 MeV (n,n') Level
Legendre Coefficients

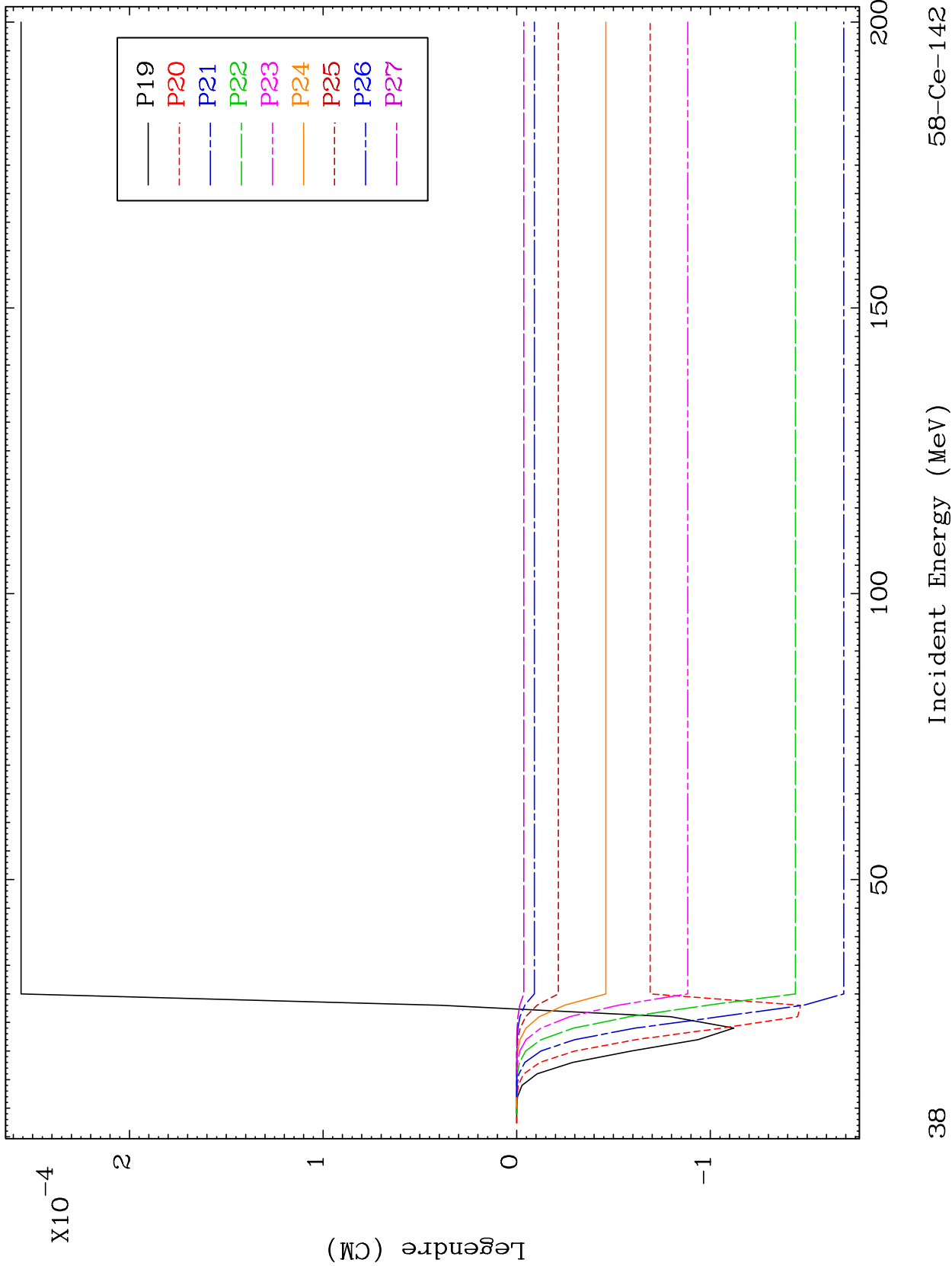
58-Ce-142

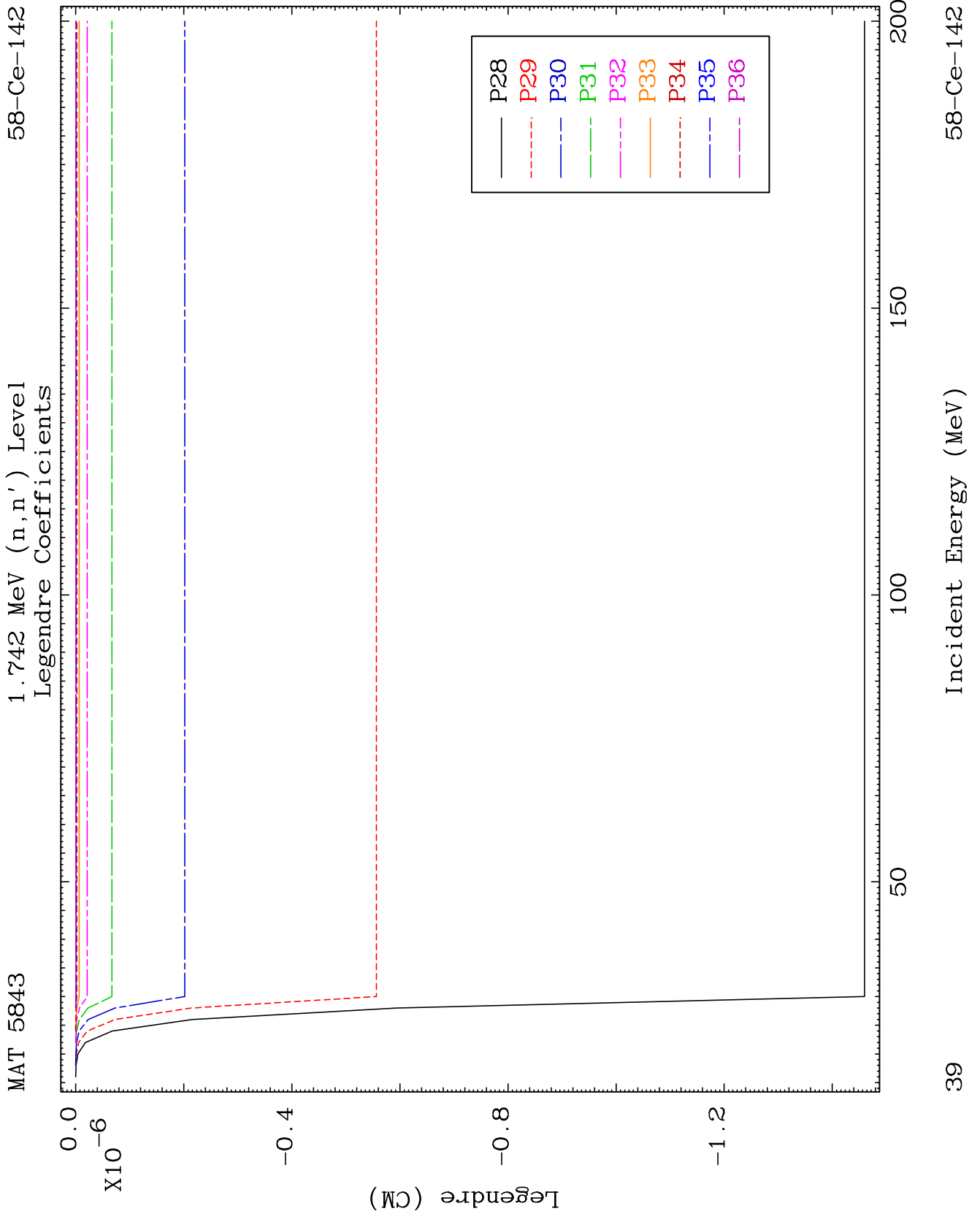


37

Incident Energy (MeV)

58-Ce-142

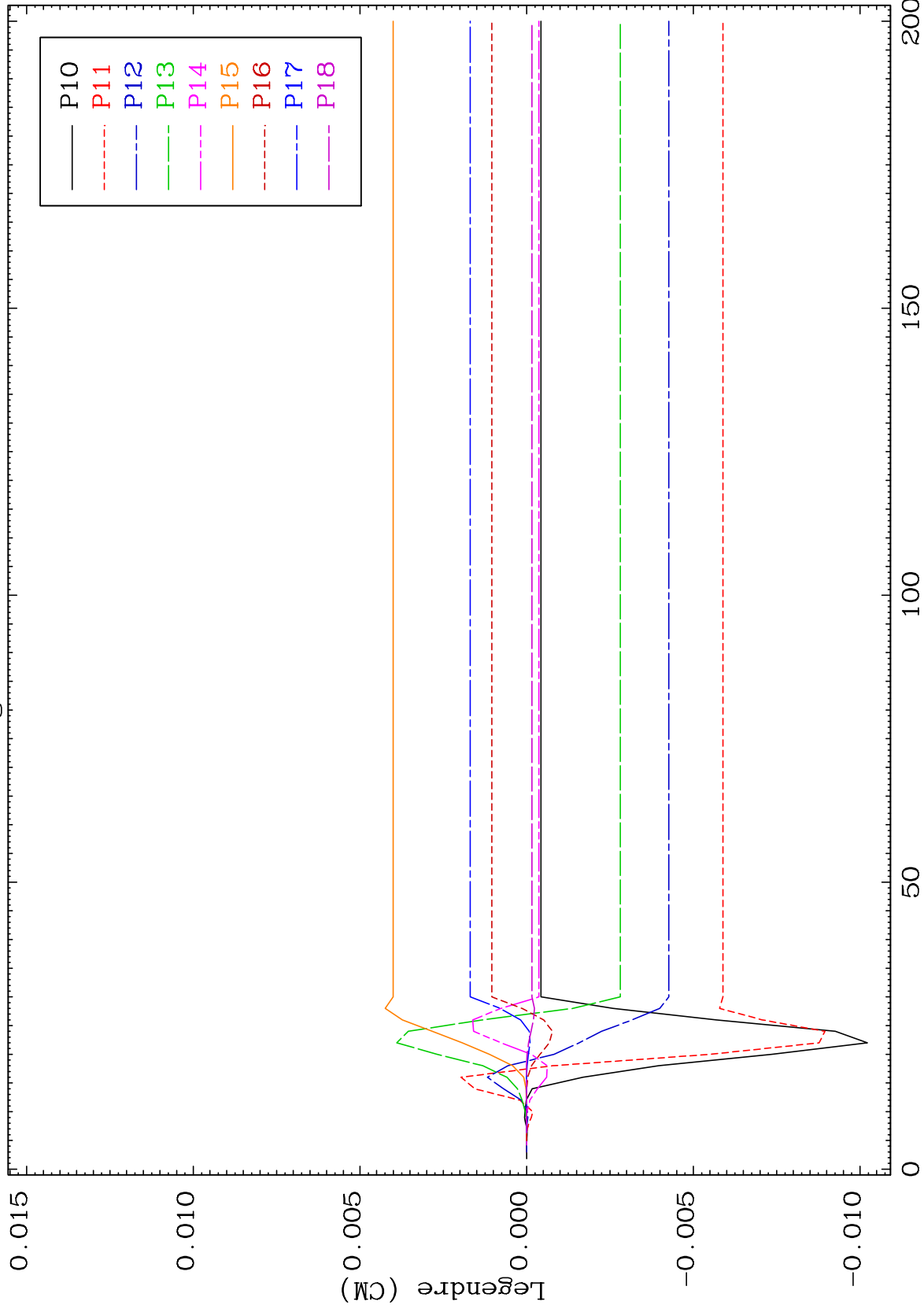




MAT 5843

1.743 MeV (n,n') Level
Legendre Coefficients

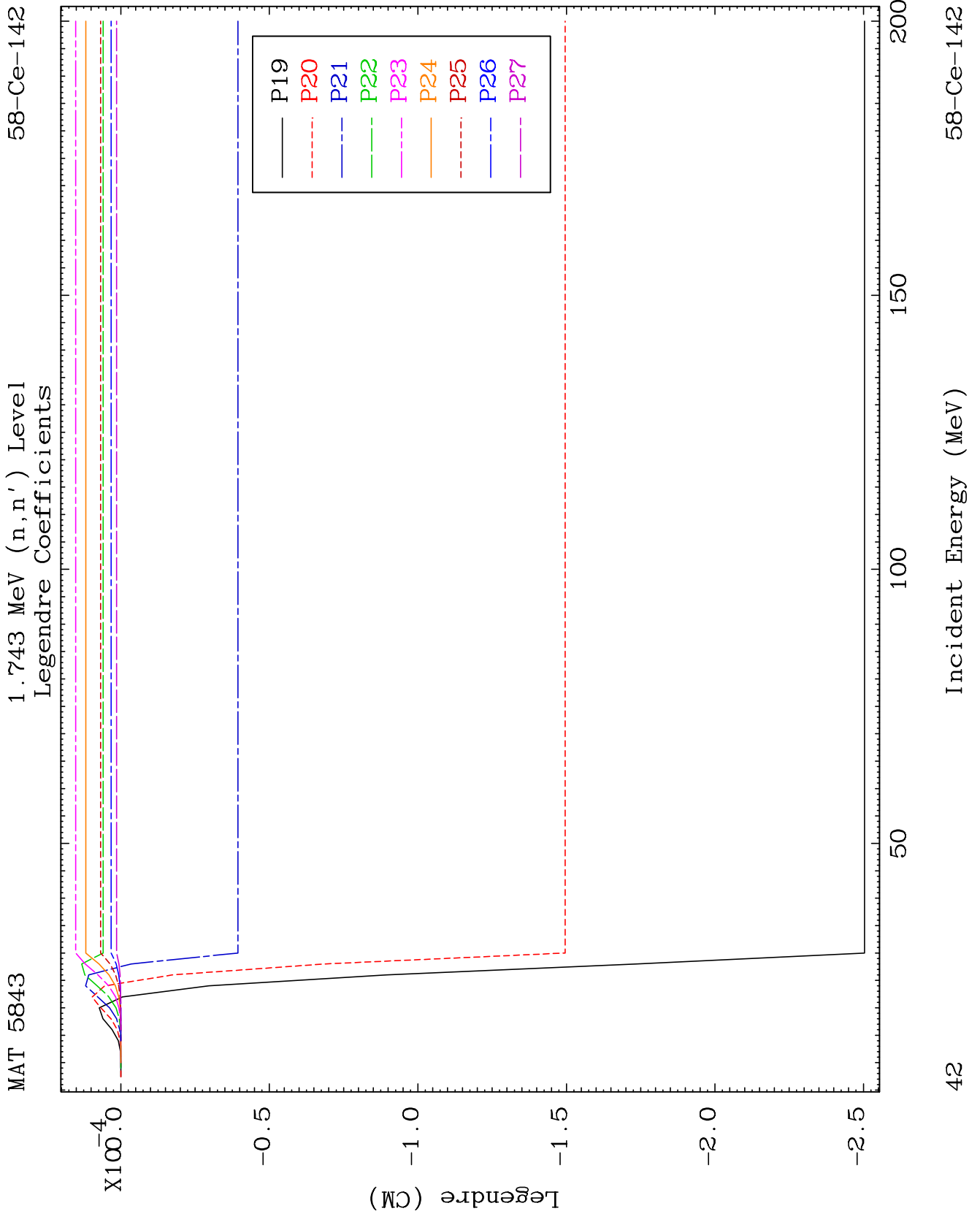
58-Ce-142

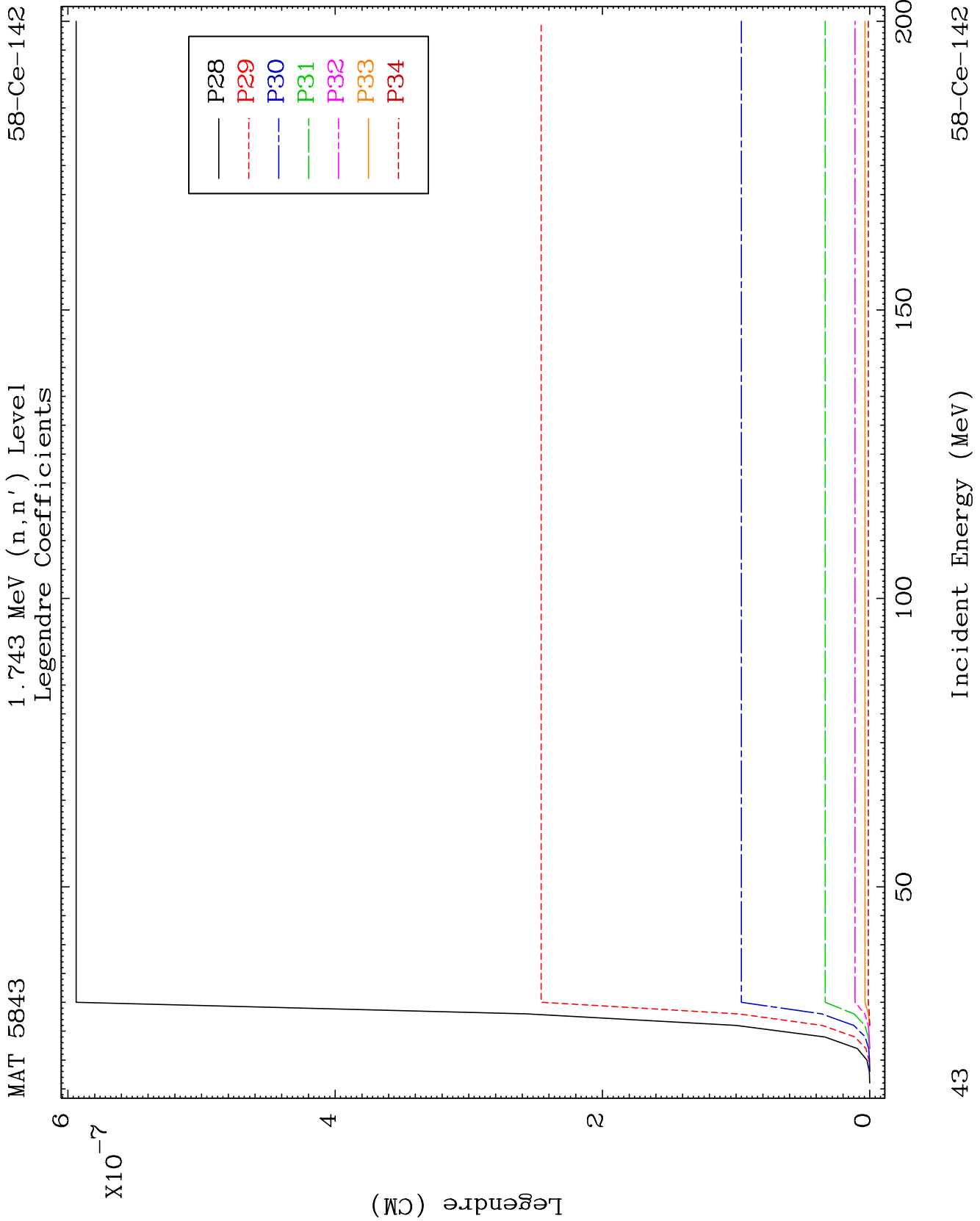


41

Incident Energy (MeV)

58-Ce-142

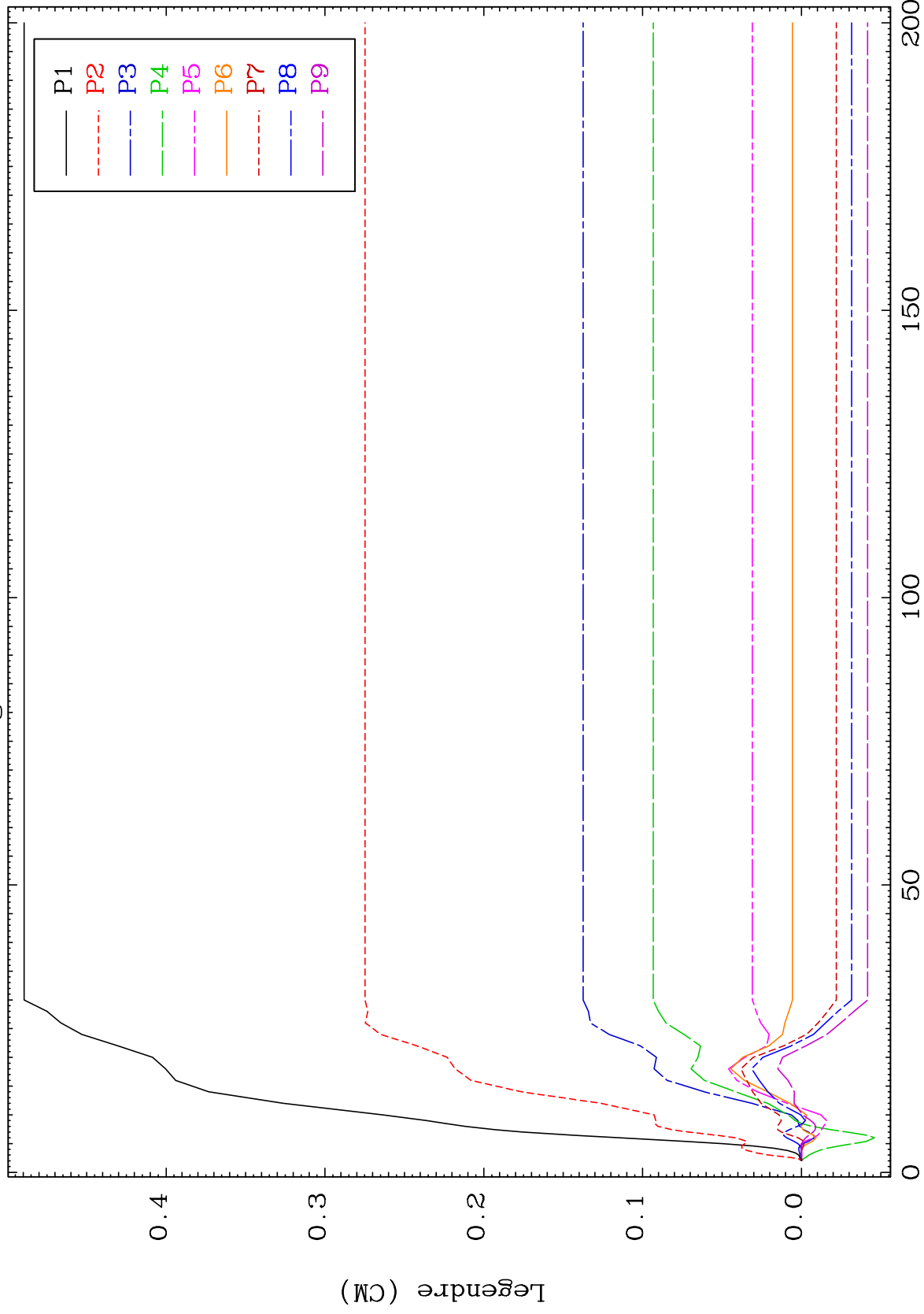




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2.005 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



44

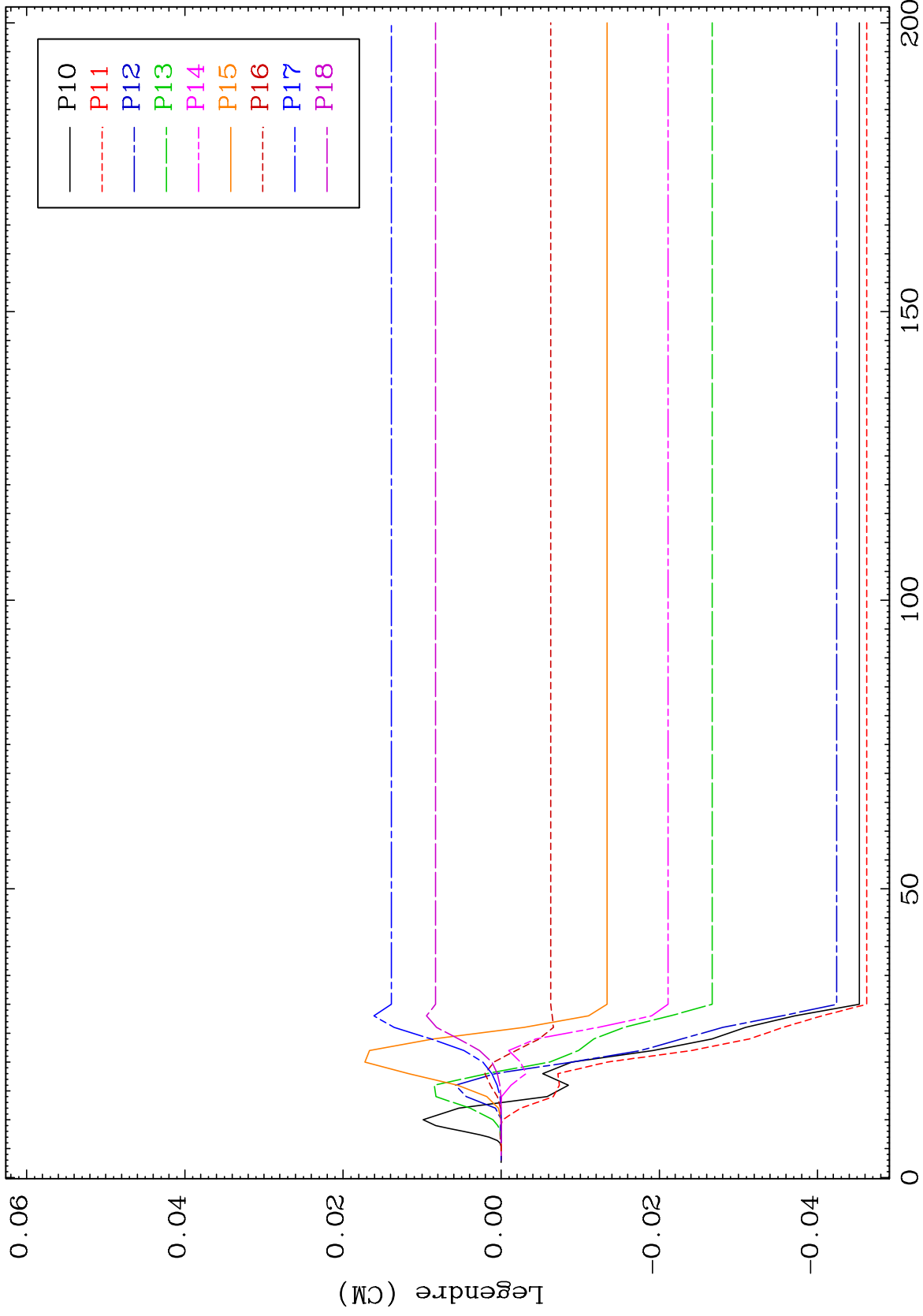
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.005 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



45

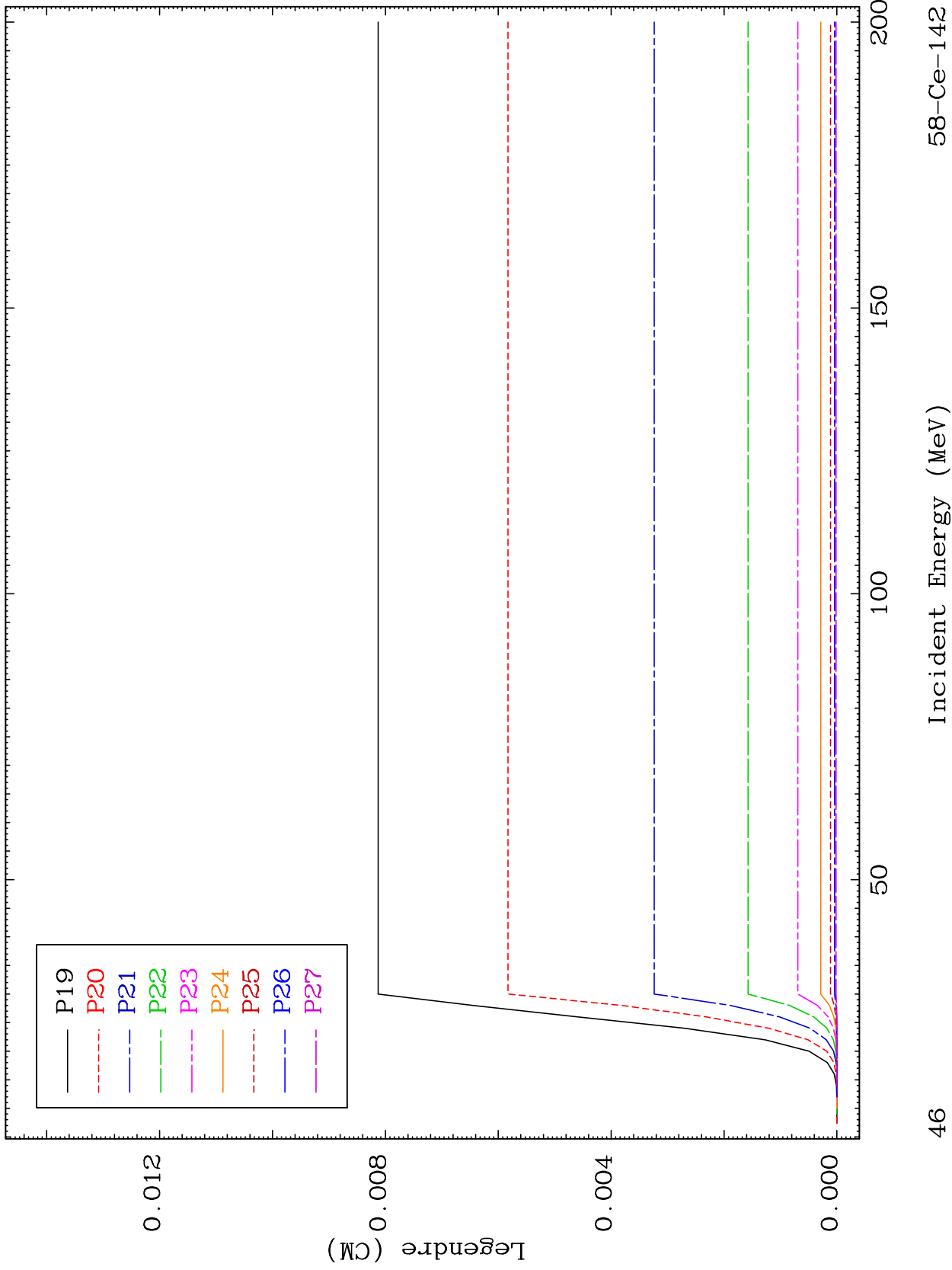
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.005 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



46

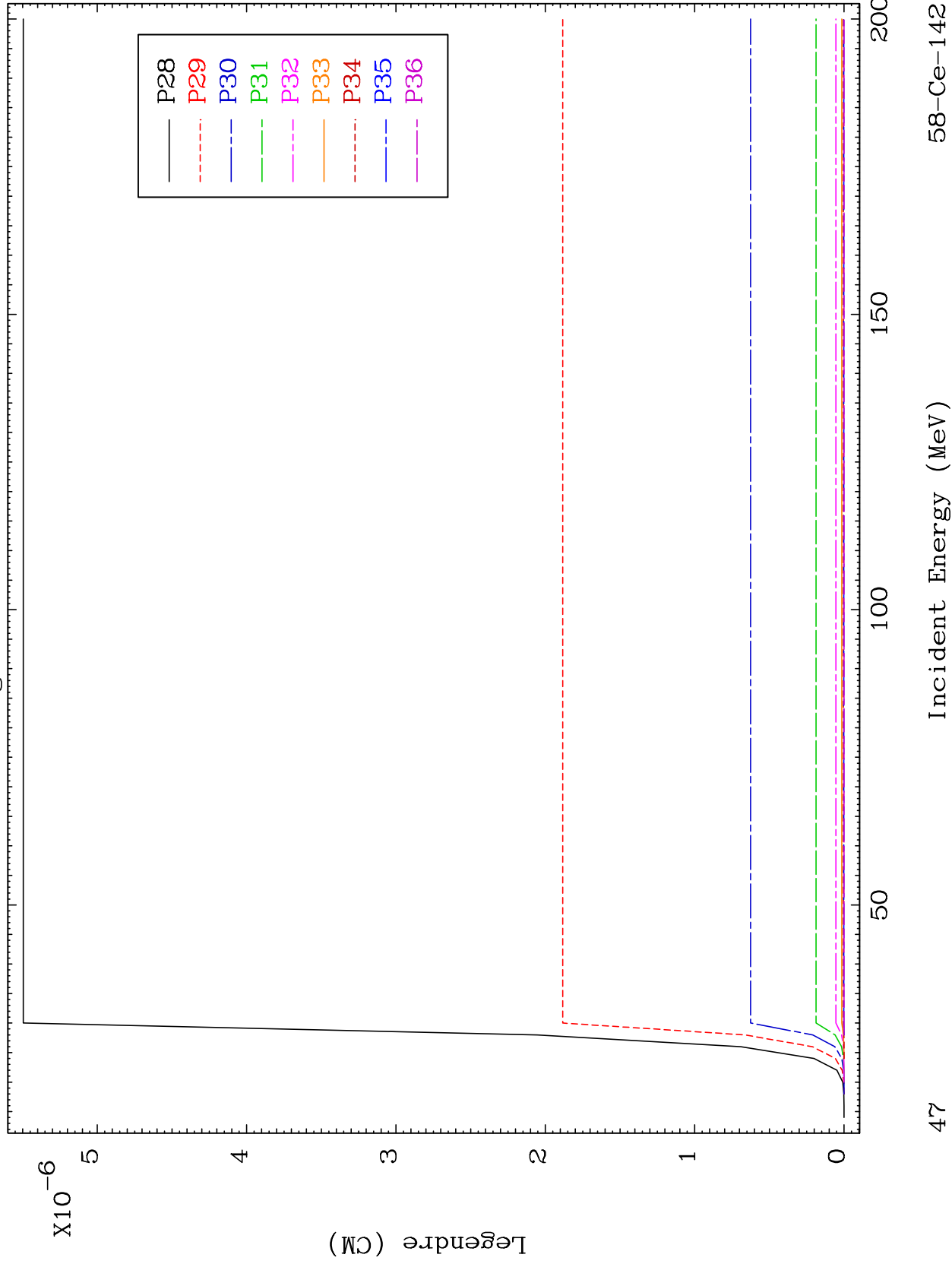
Incident Energy (MeV)

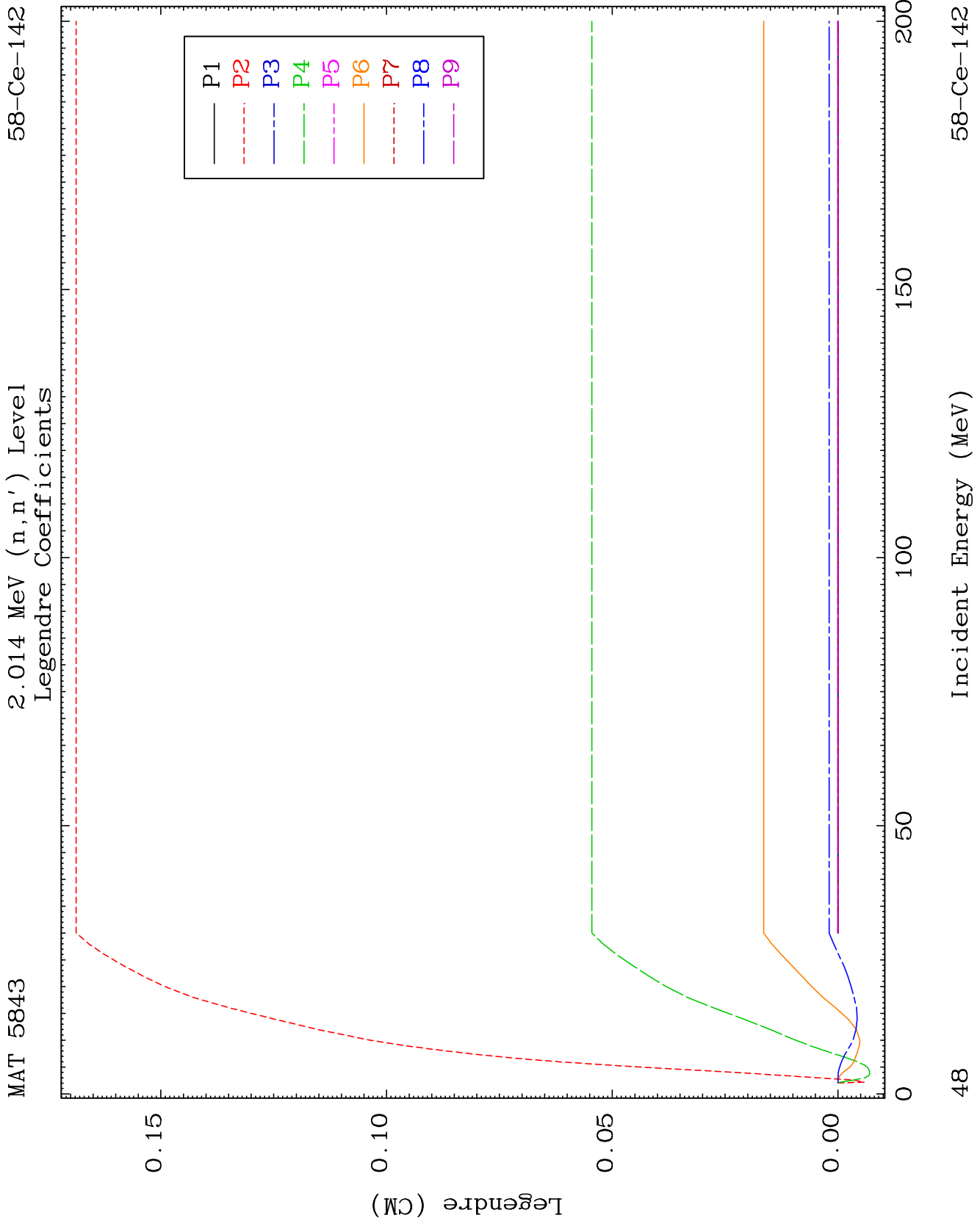
58-Ce-142

MAT 5843

2.005 MeV (n,n') Level
Legendre Coefficients

58-Ce-142

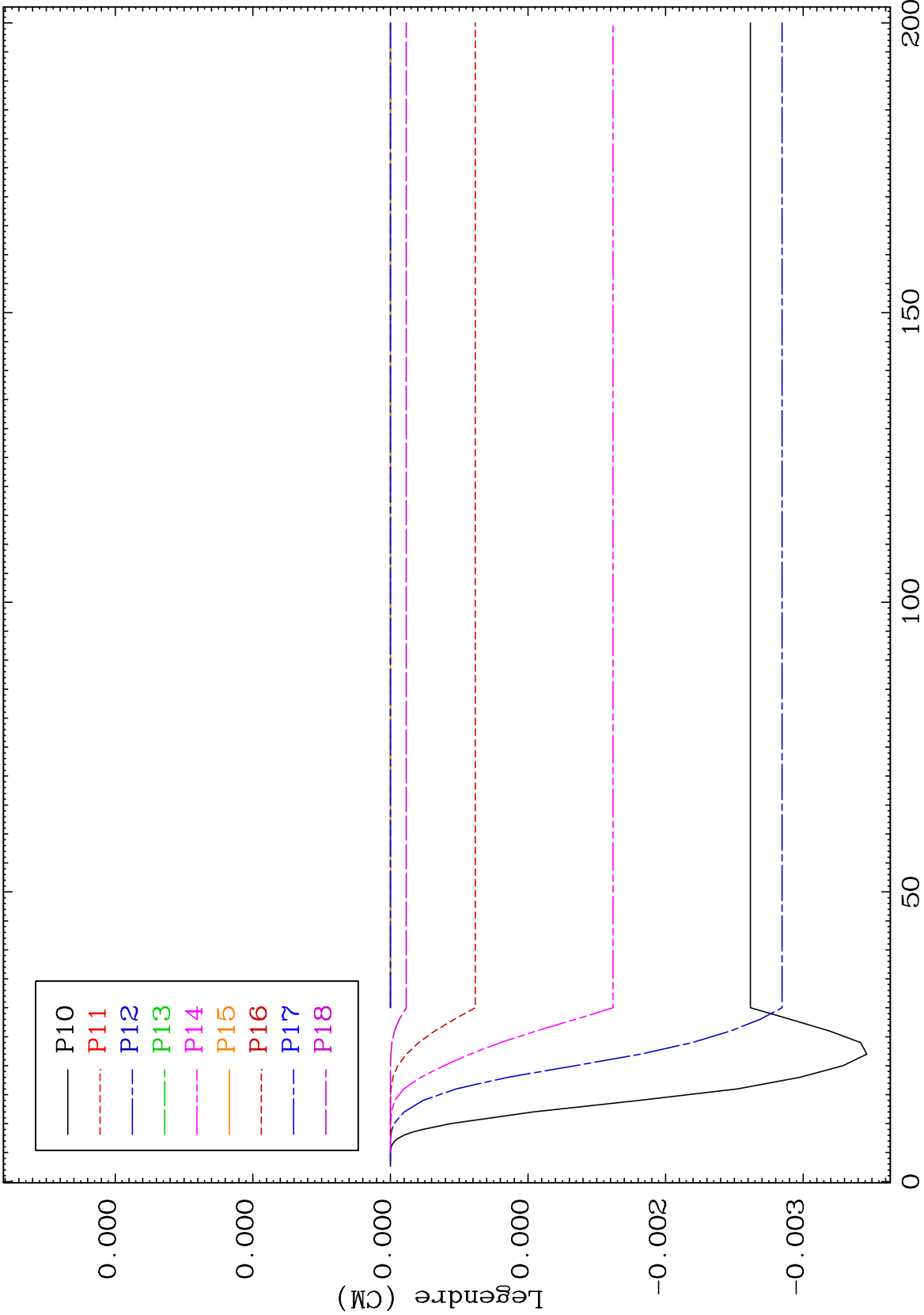




MAT 5843

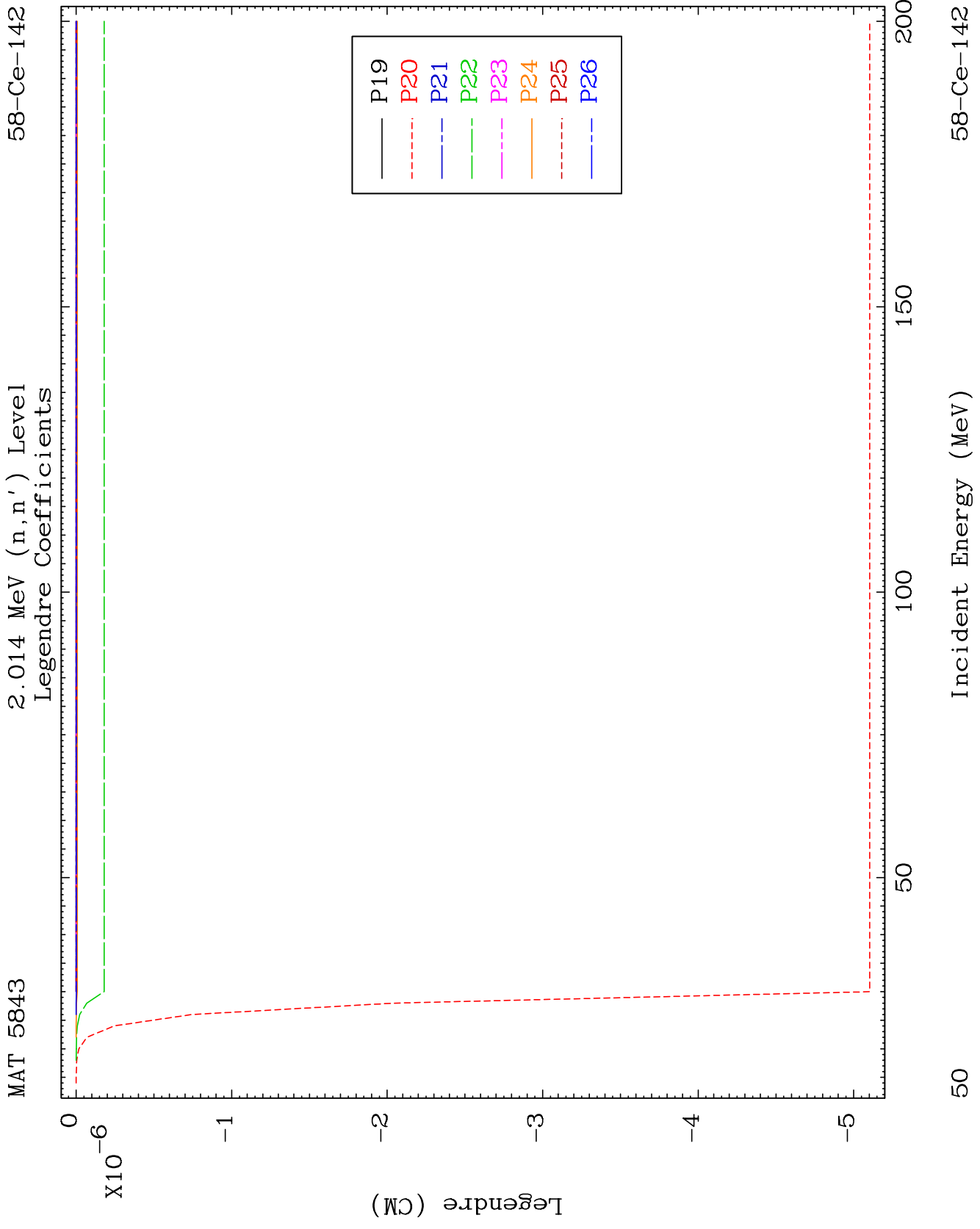
2.014 MeV (n,n') Level
Legendre Coefficients

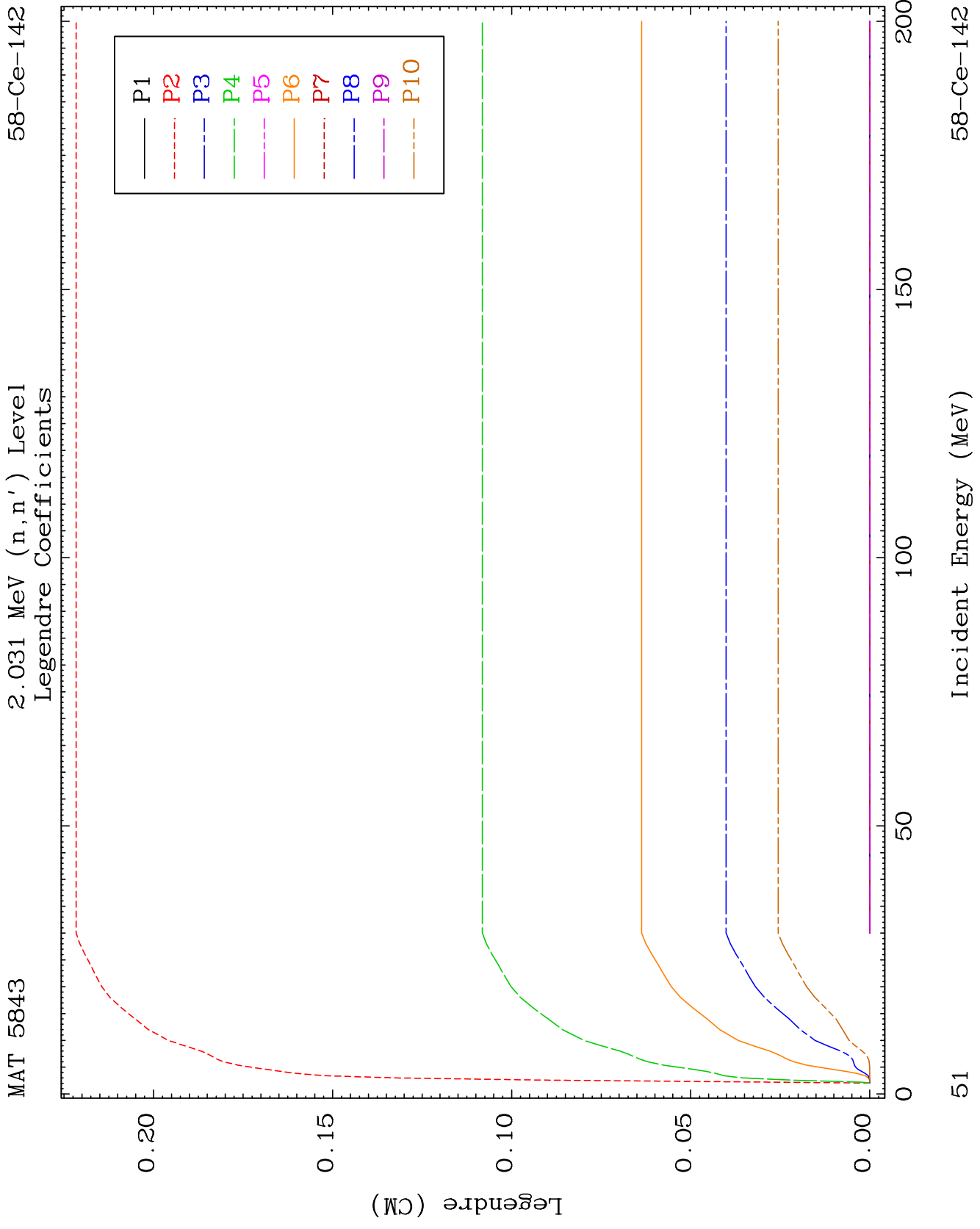
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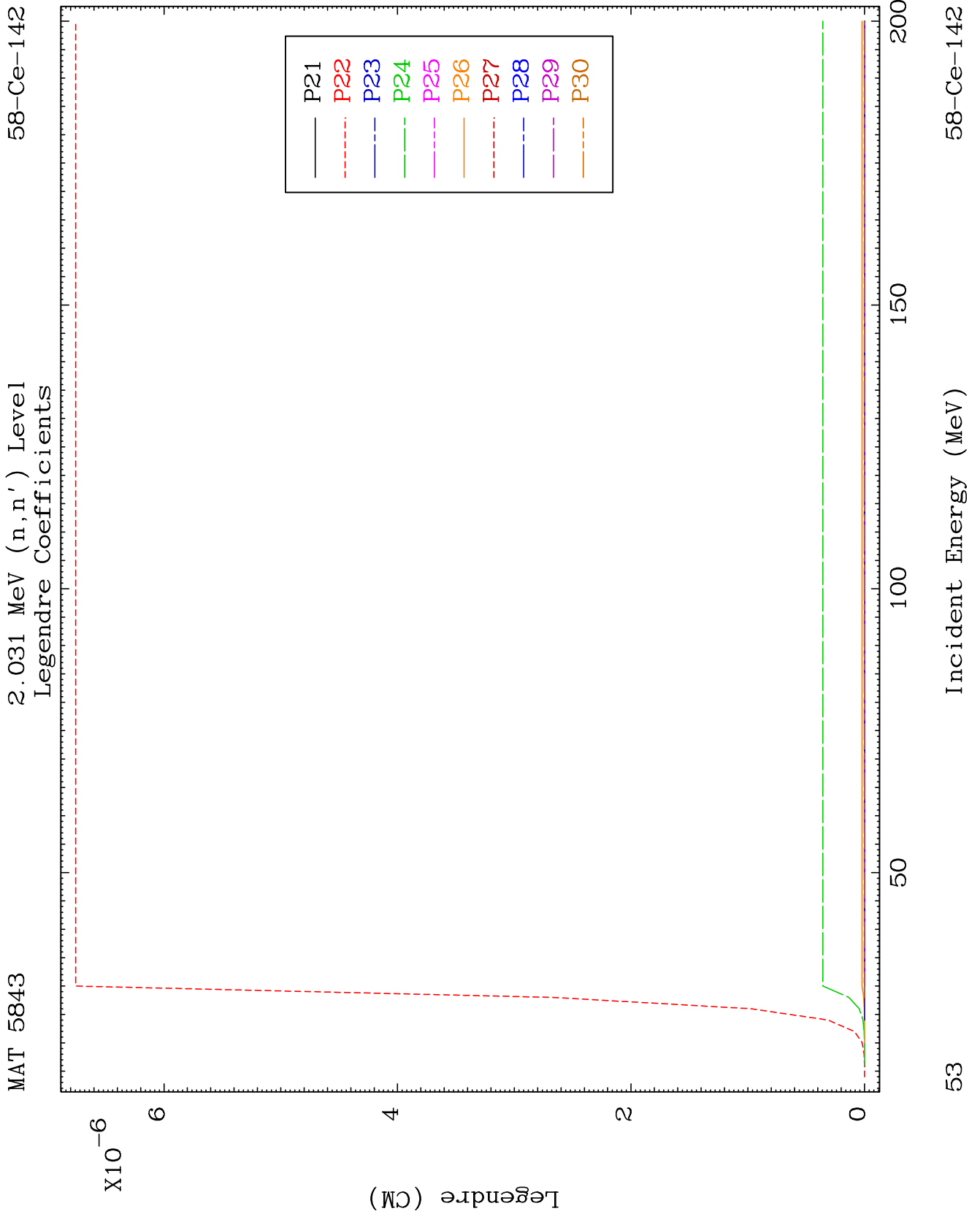


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58-Ce-142



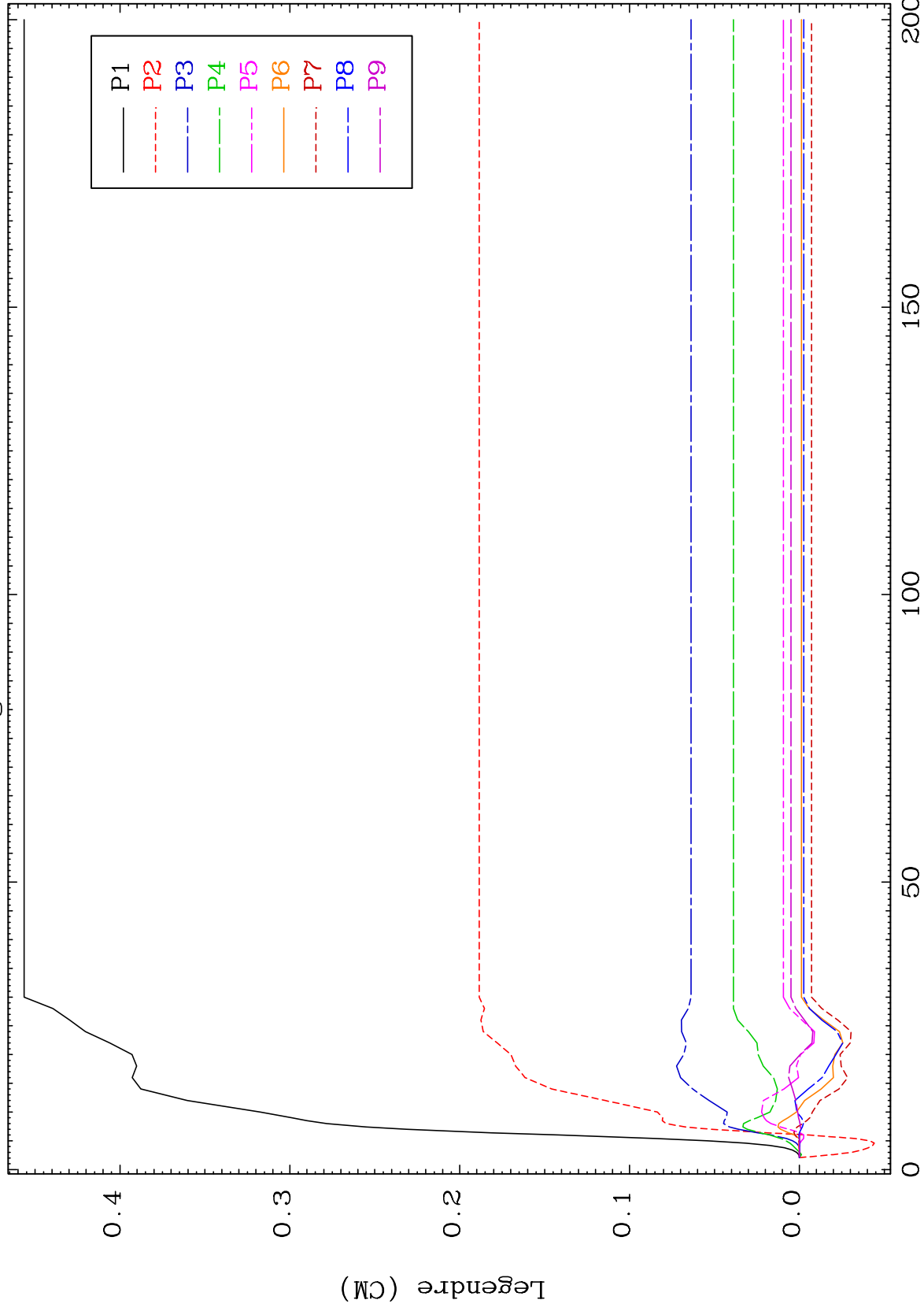




MAT 5843

2.045 MeV (n,n') Level
Legendre Coefficients

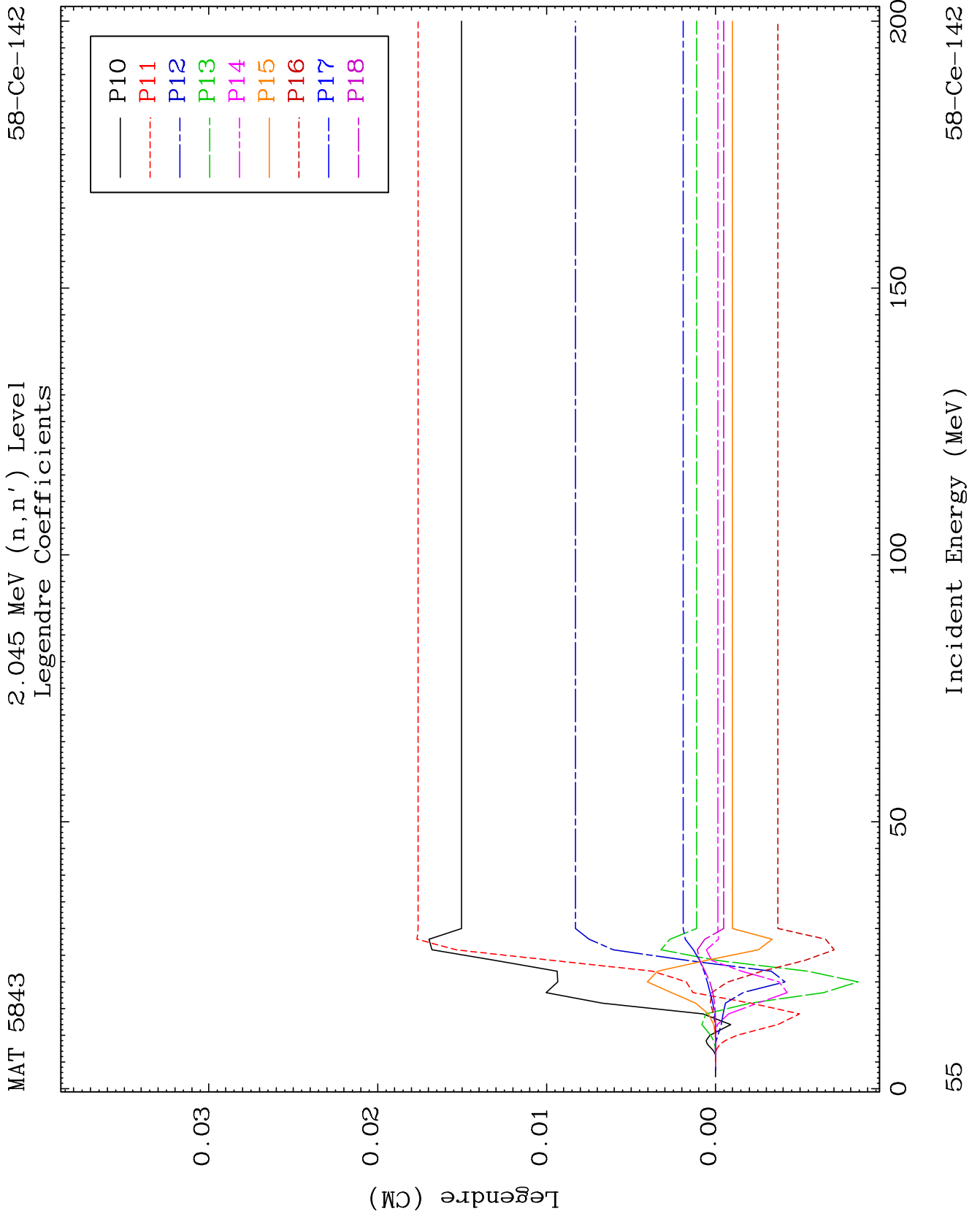
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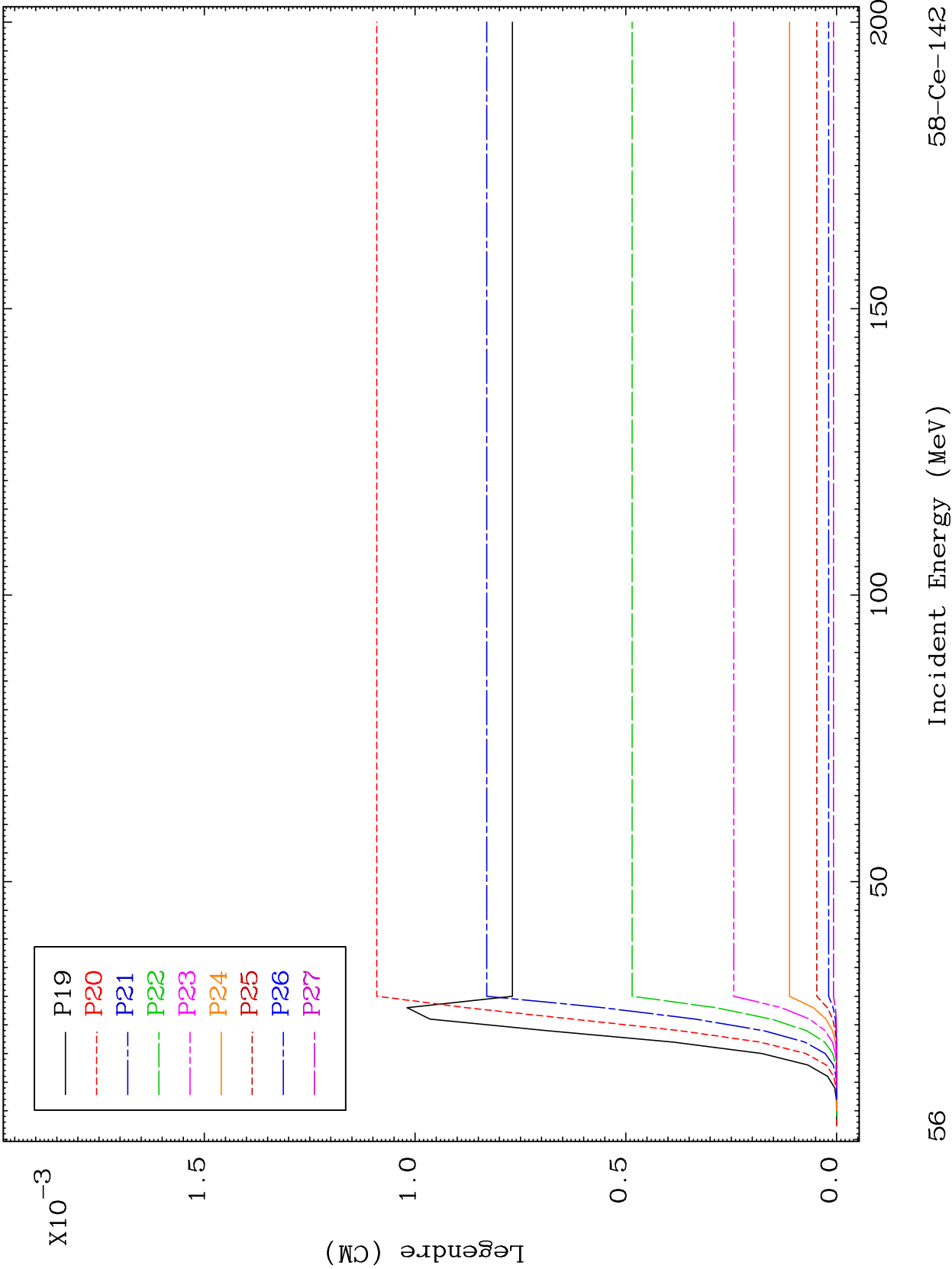


54

Incident Energy (MeV)

58-Ce-142

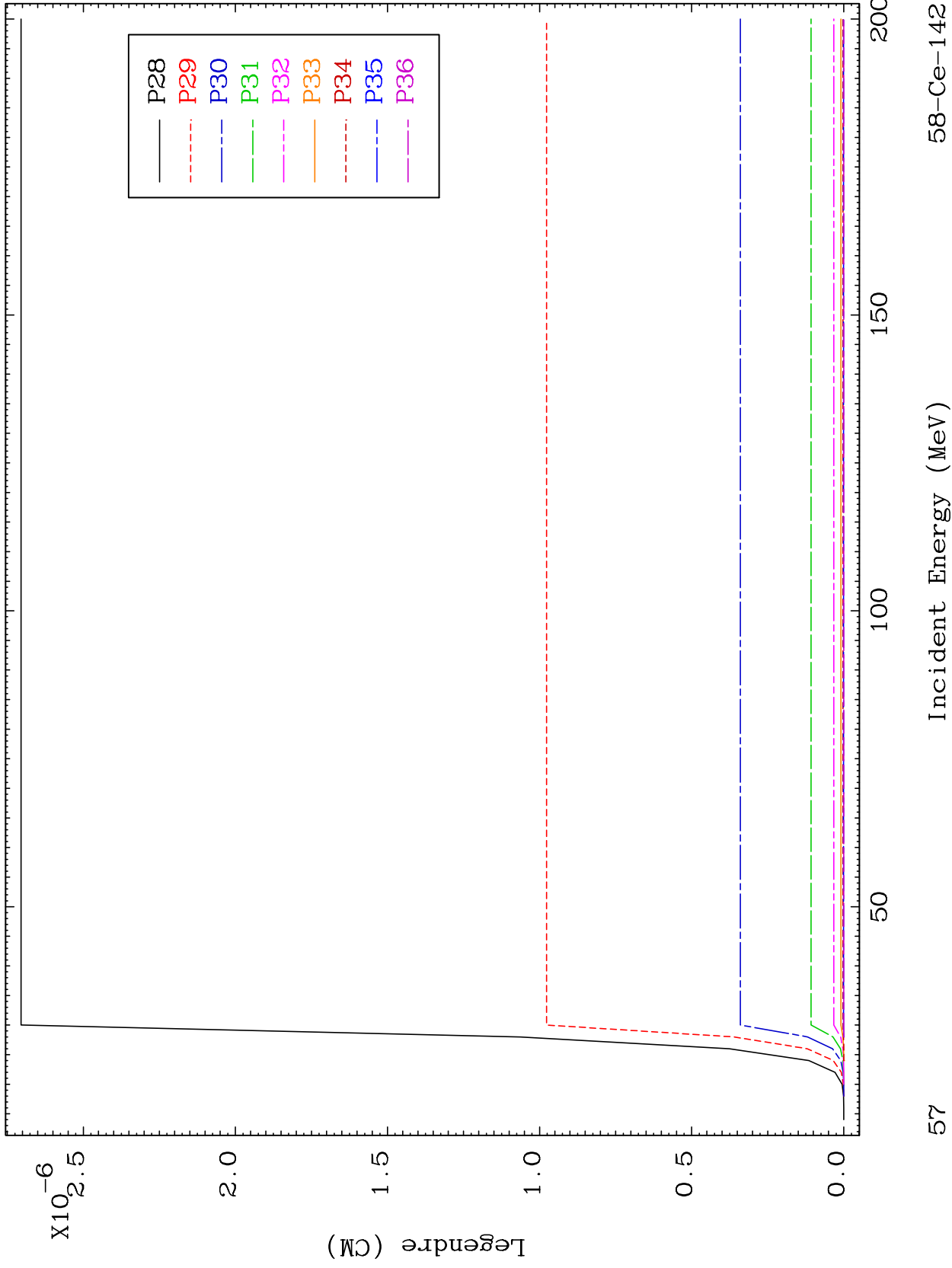




MAT 5843

2.045 MeV (n,n') Level
Legendre Coefficients

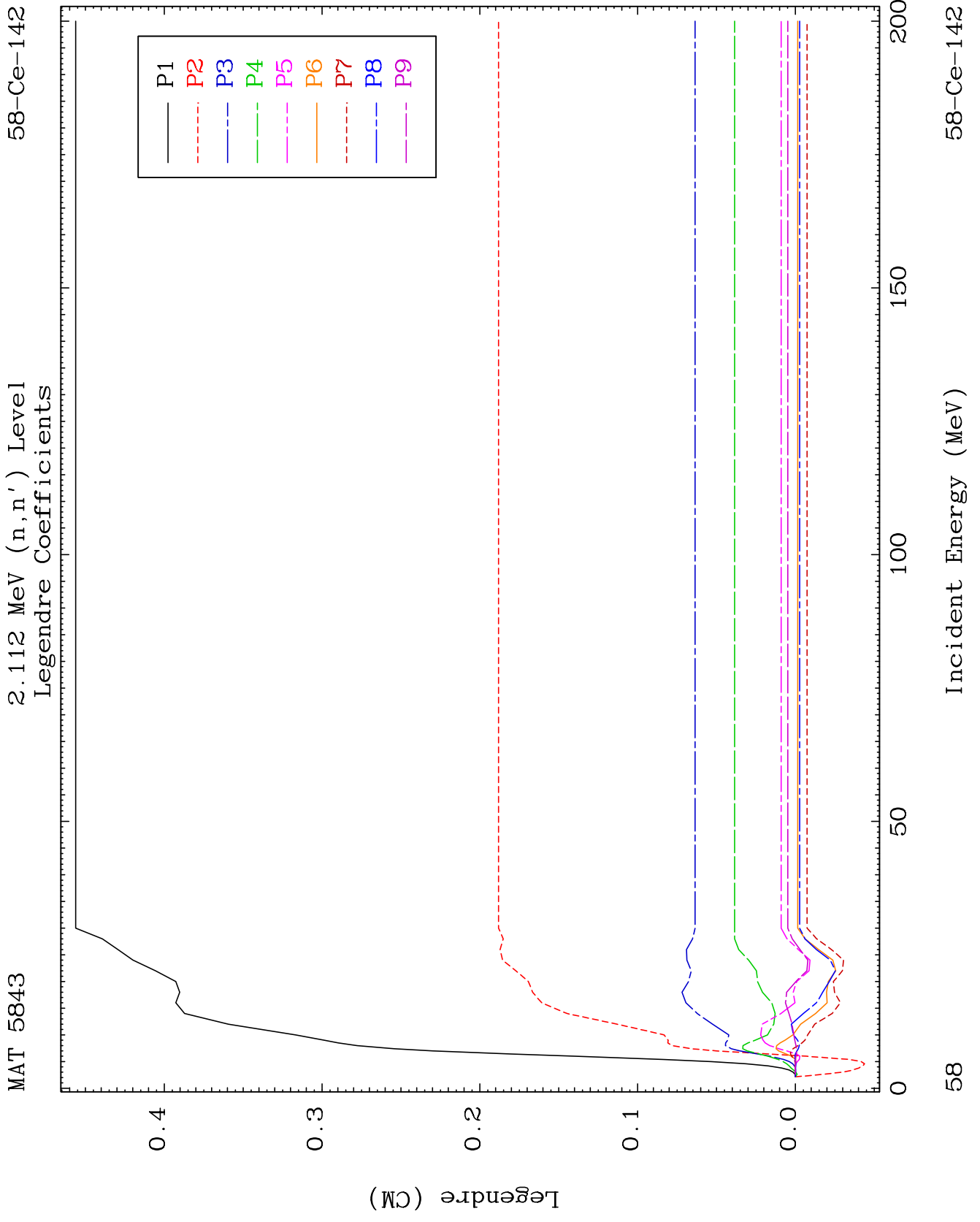
58-Ce-142



57

Incident Energy (MeV)

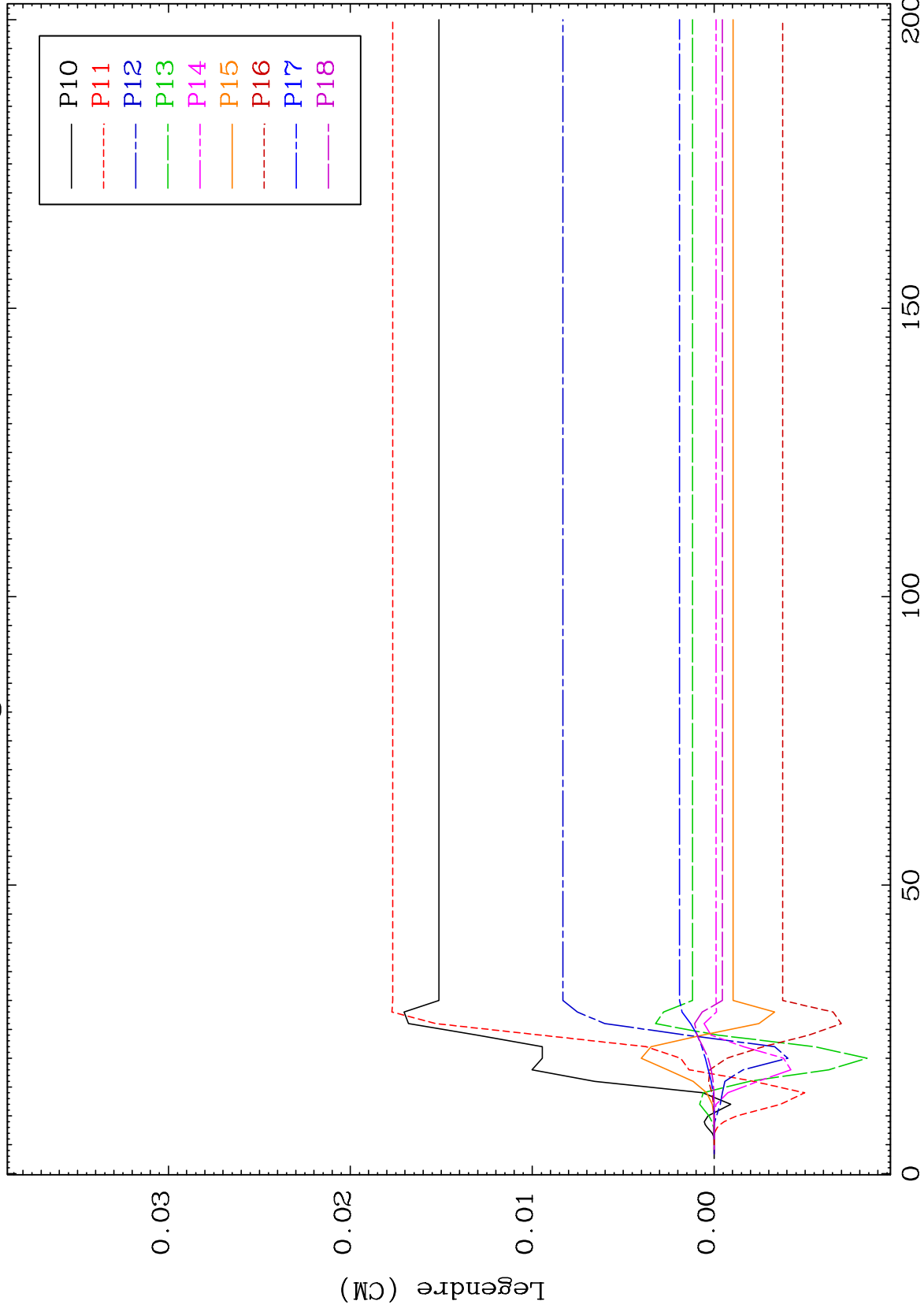
58-Ce-142



MAT 5843

2.112 MeV (n, n') Level
Legendre Coefficients

58-Ce-142



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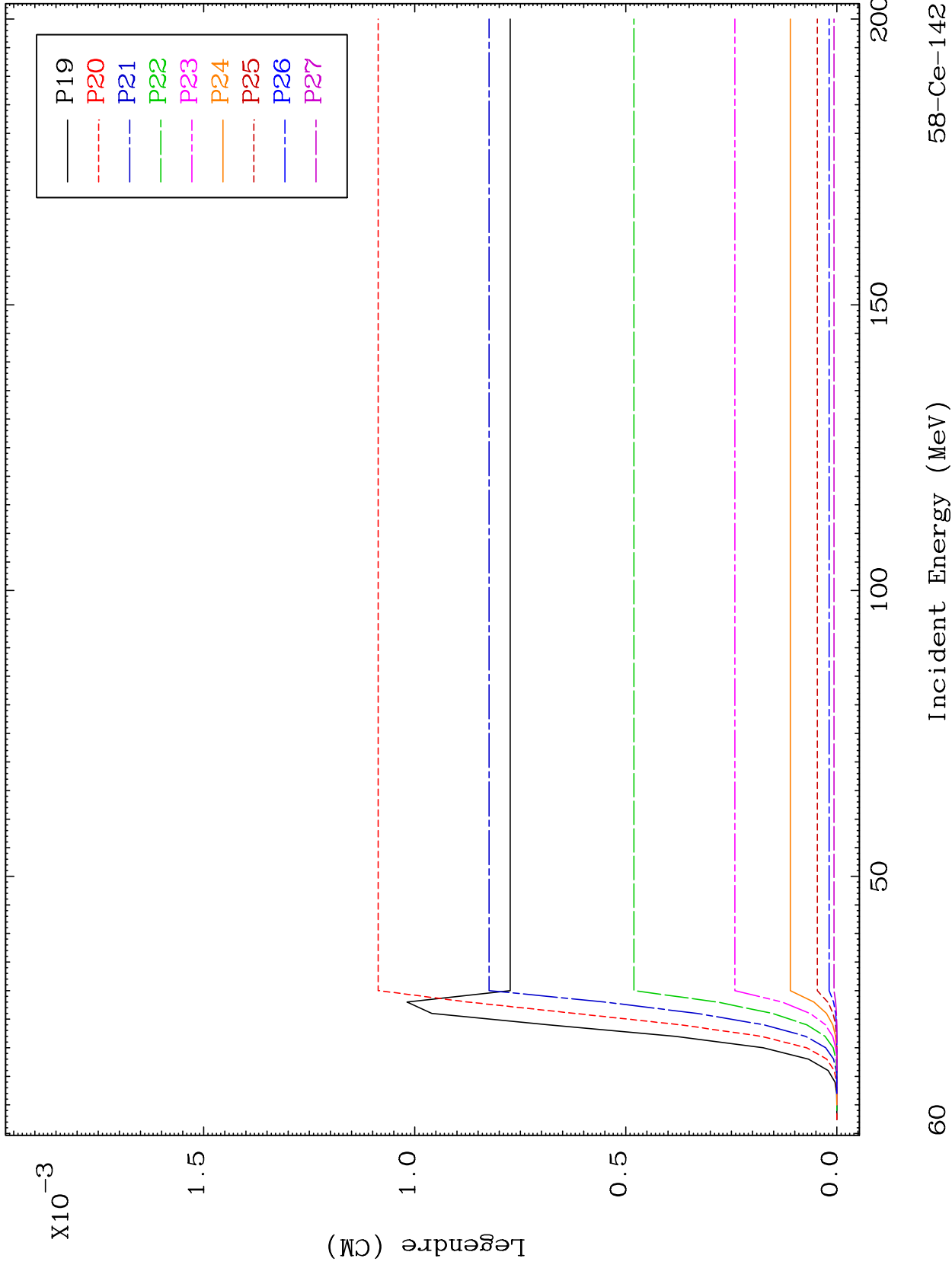
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.112 MeV (n,n') Level
Legendre Coefficients

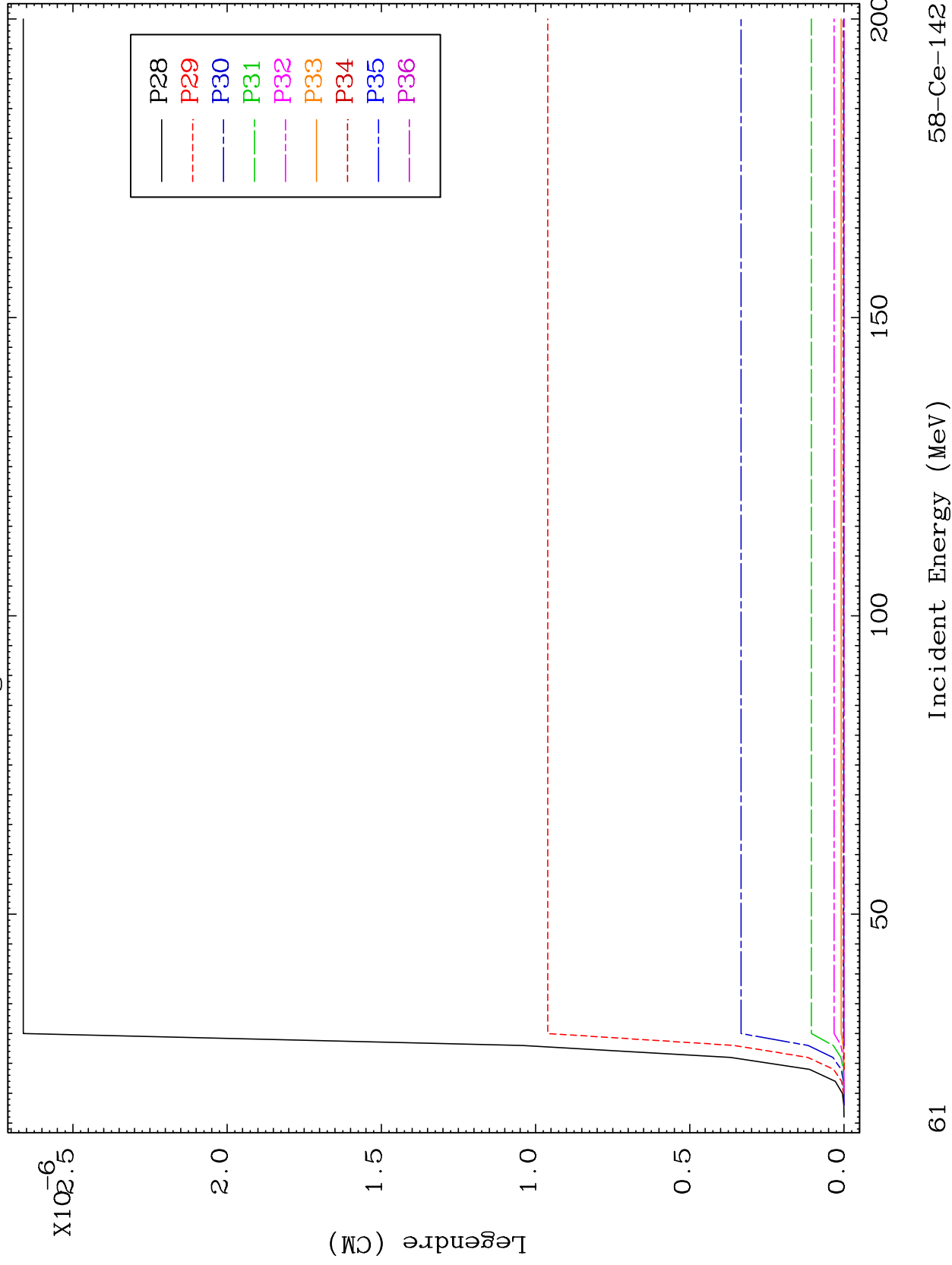
58-Ce-142



MAT 5843

2.112 MeV (n, n') Level
Legendre Coefficients

58-Ce-142



61

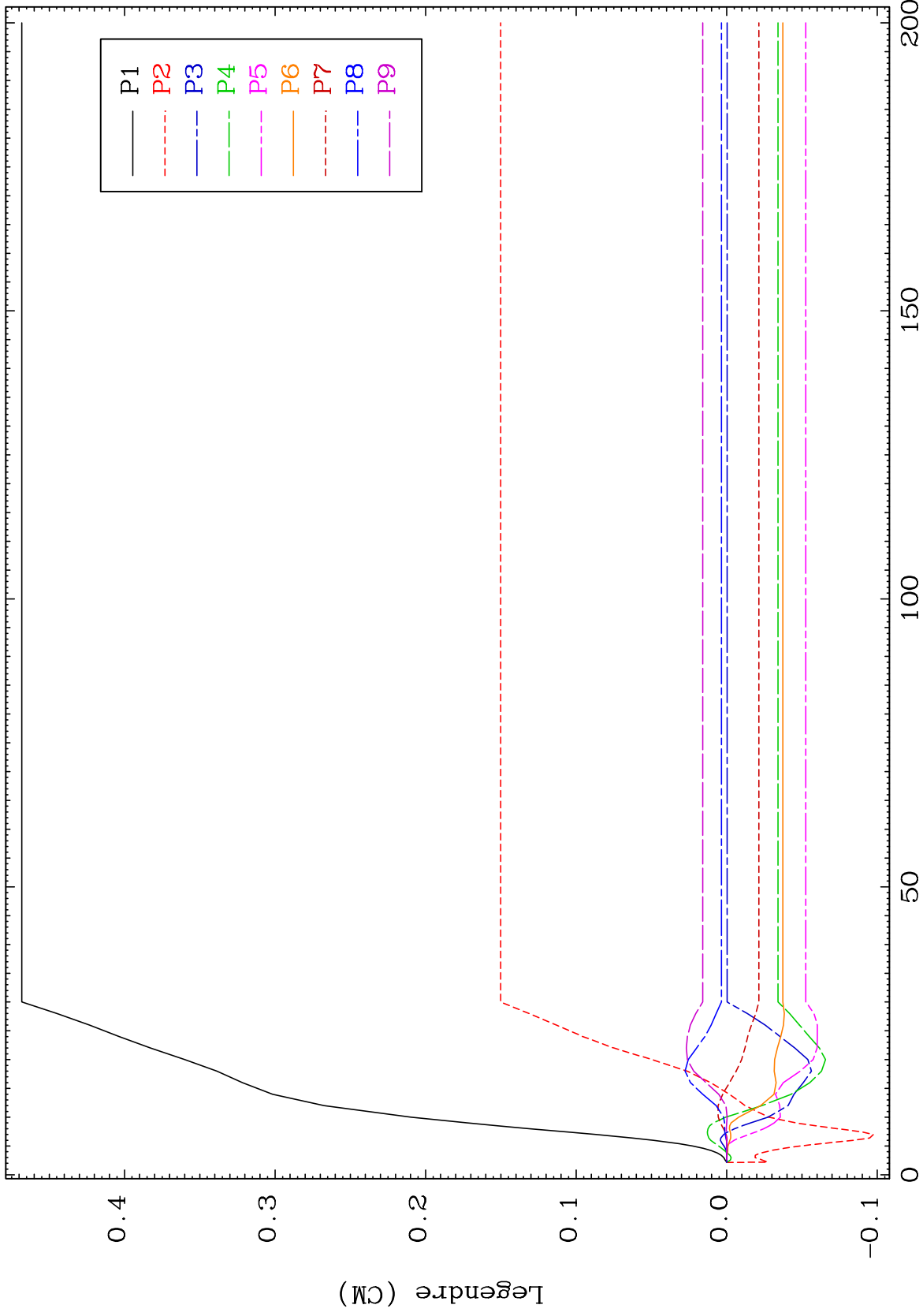
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.125 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



58-Ce-142

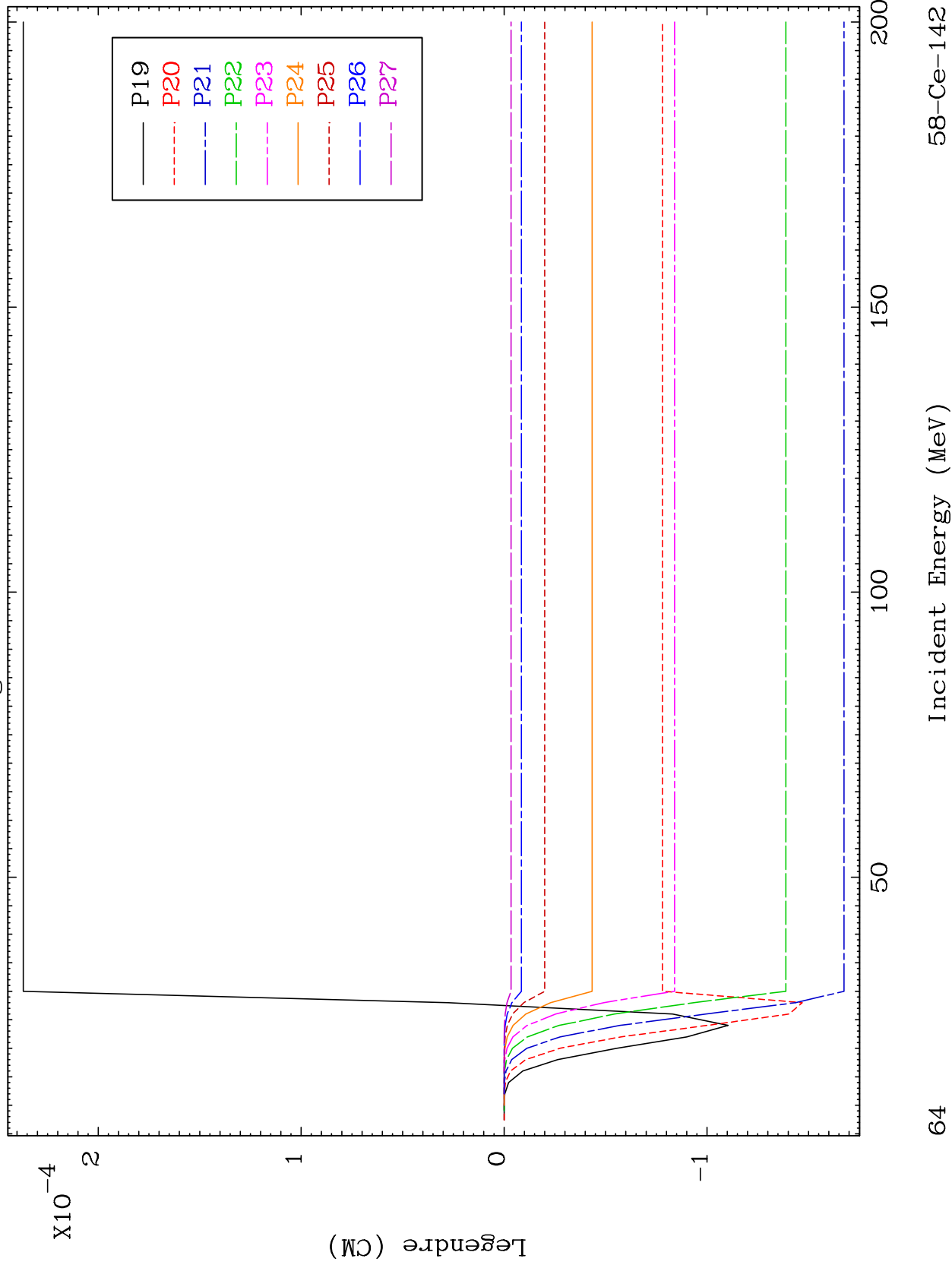
Incident Energy (MeV)

62

MAT 5843

2.125 MeV (n,n') Level
Legendre Coefficients

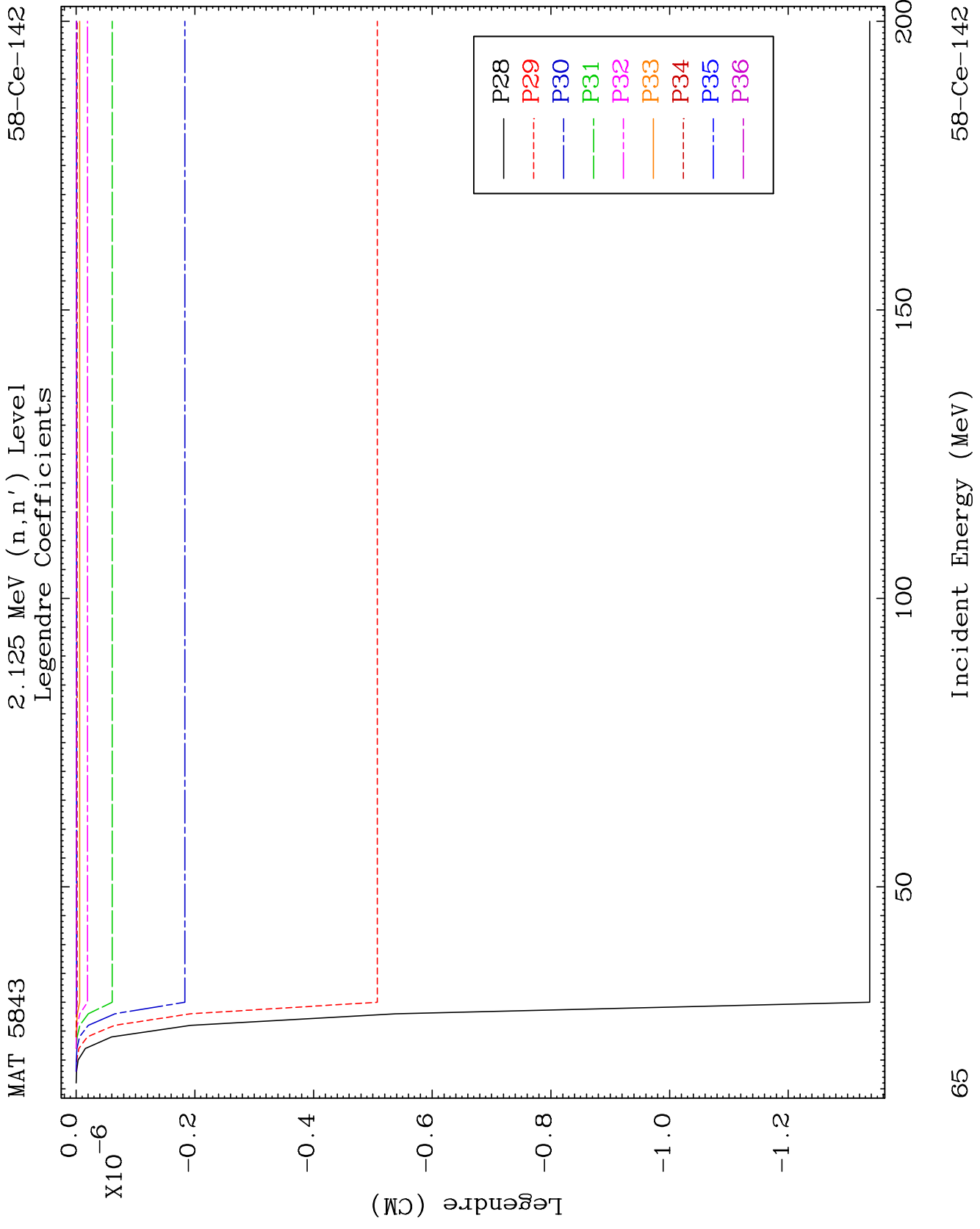
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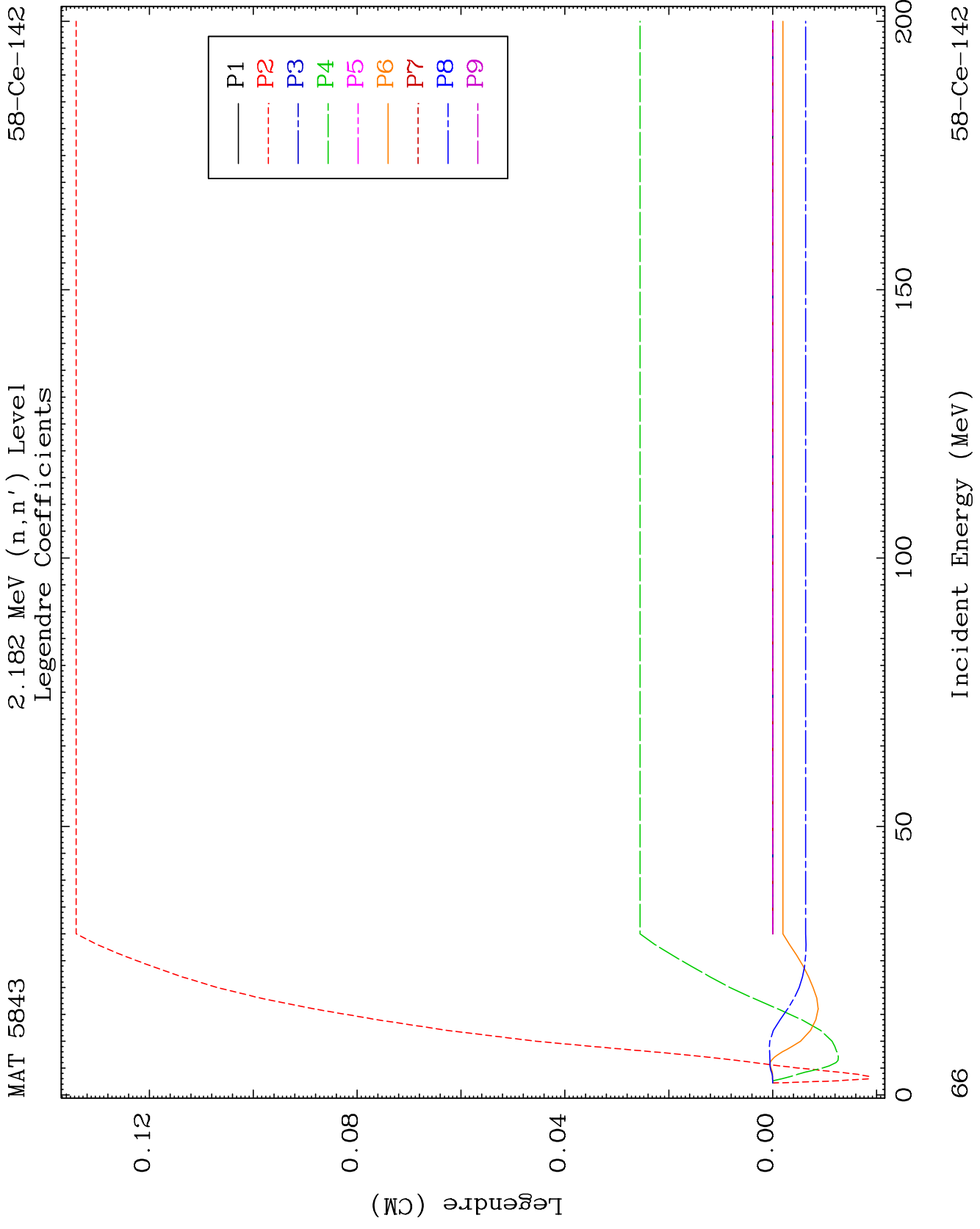


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Incident Energy (MeV)

58-Ce-142

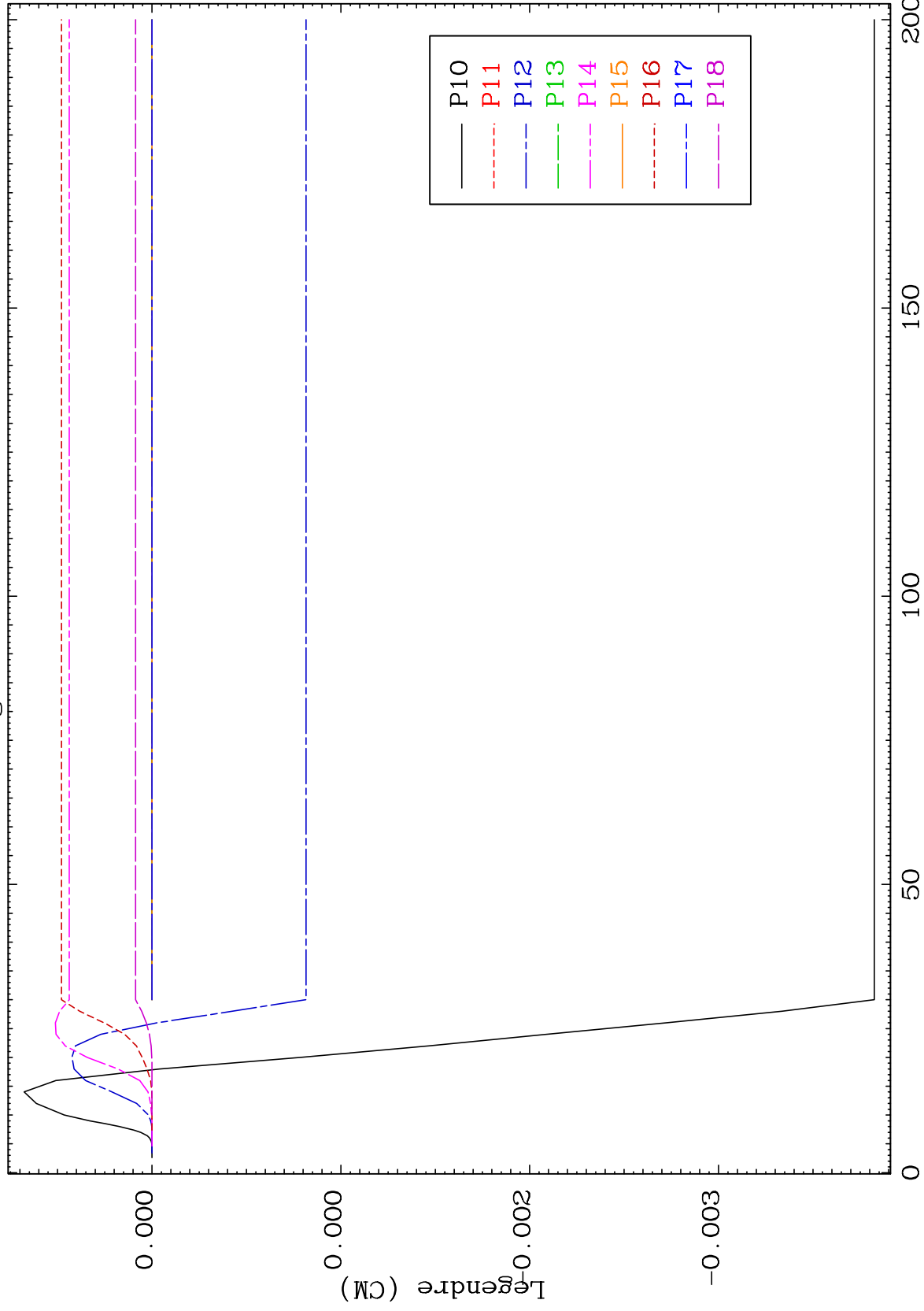




MAT 5843

2.182 MeV (n,n') Level
Legendre Coefficients

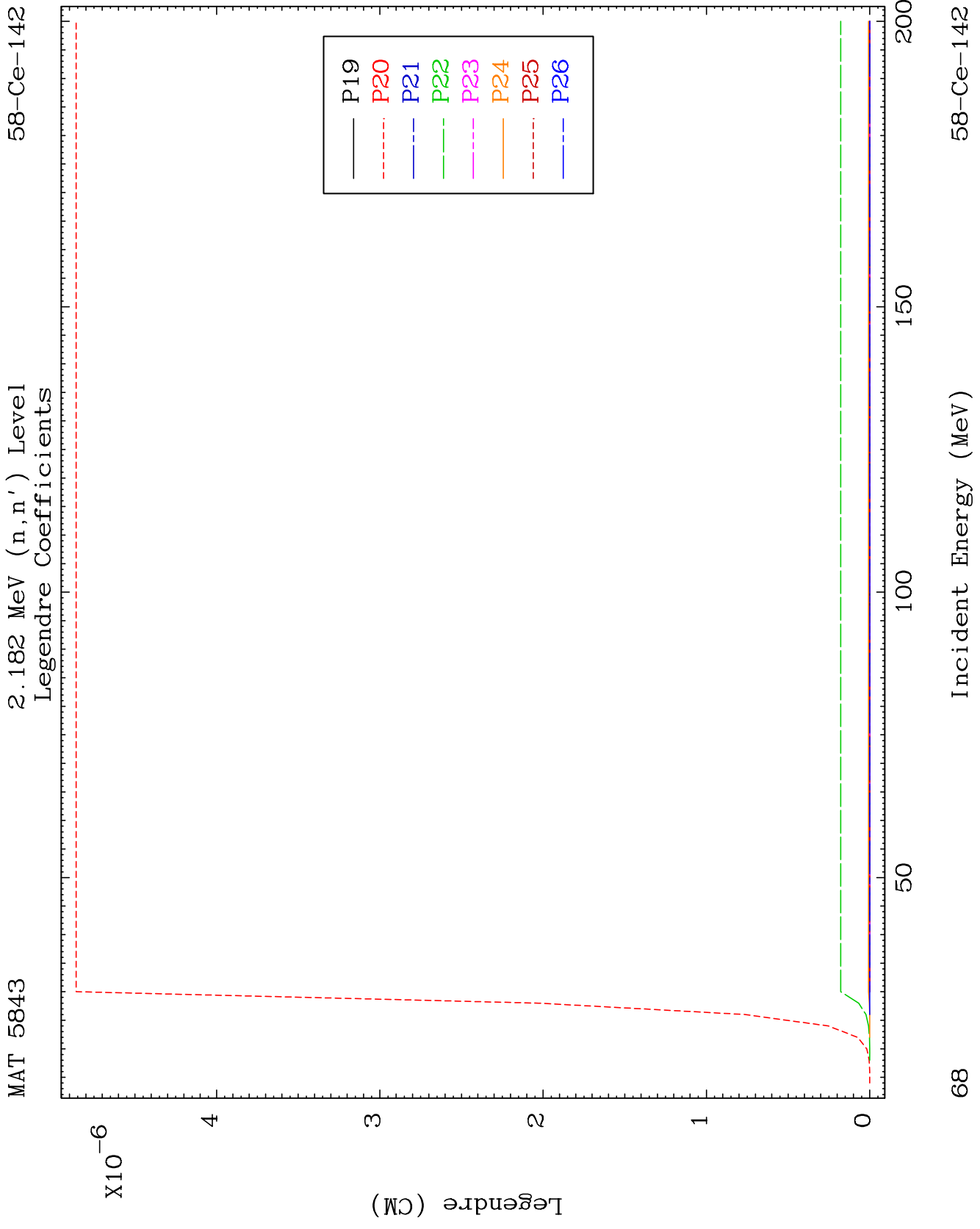
58-Ce-142



67

Incident Energy (MeV)

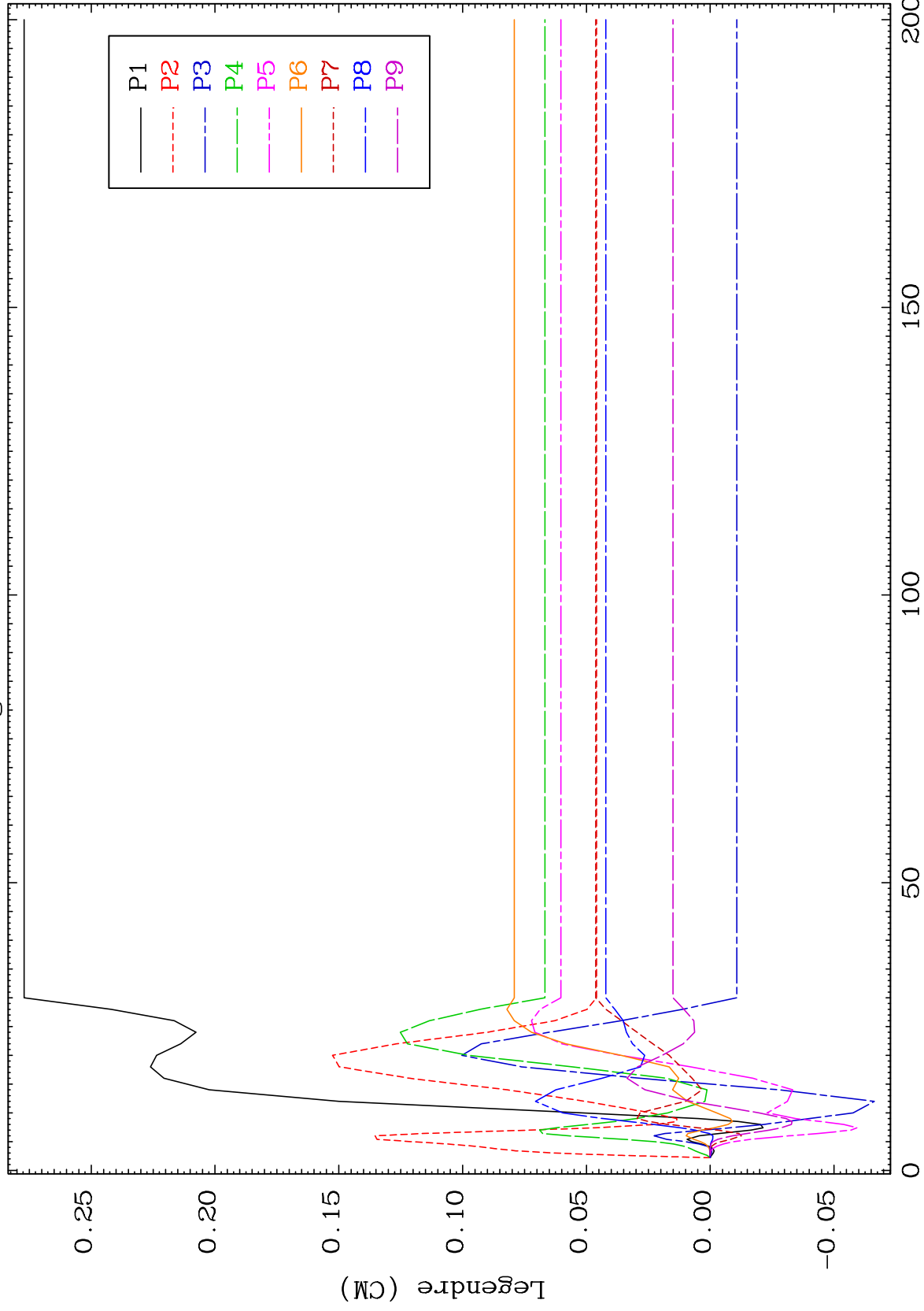
58-Ce-142



MAT 5843

2.188 MeV (n, n') Level
Legendre Coefficients

58-Ce-142



69

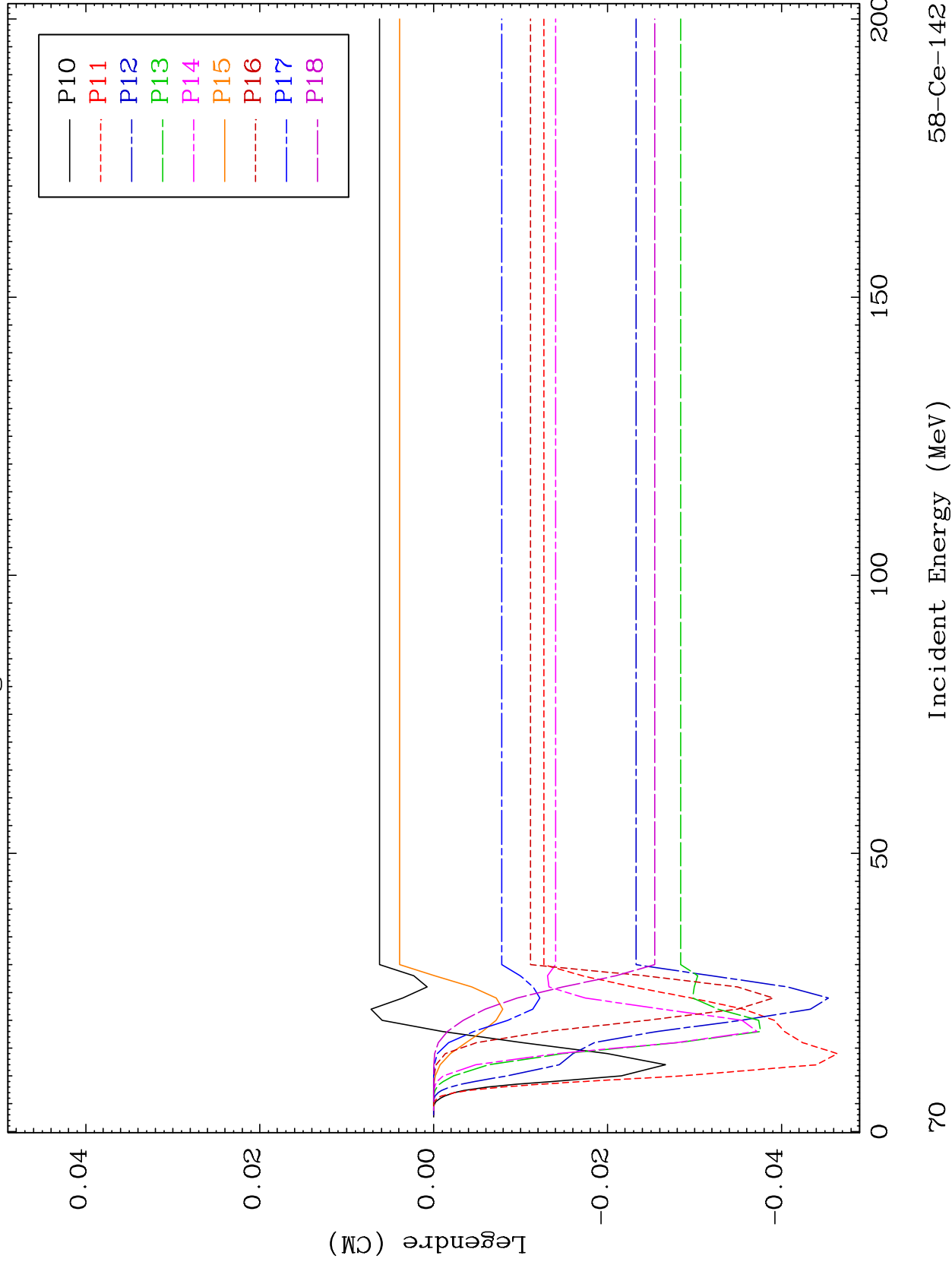
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.188 MeV (n,n') Level
Legendre Coefficients

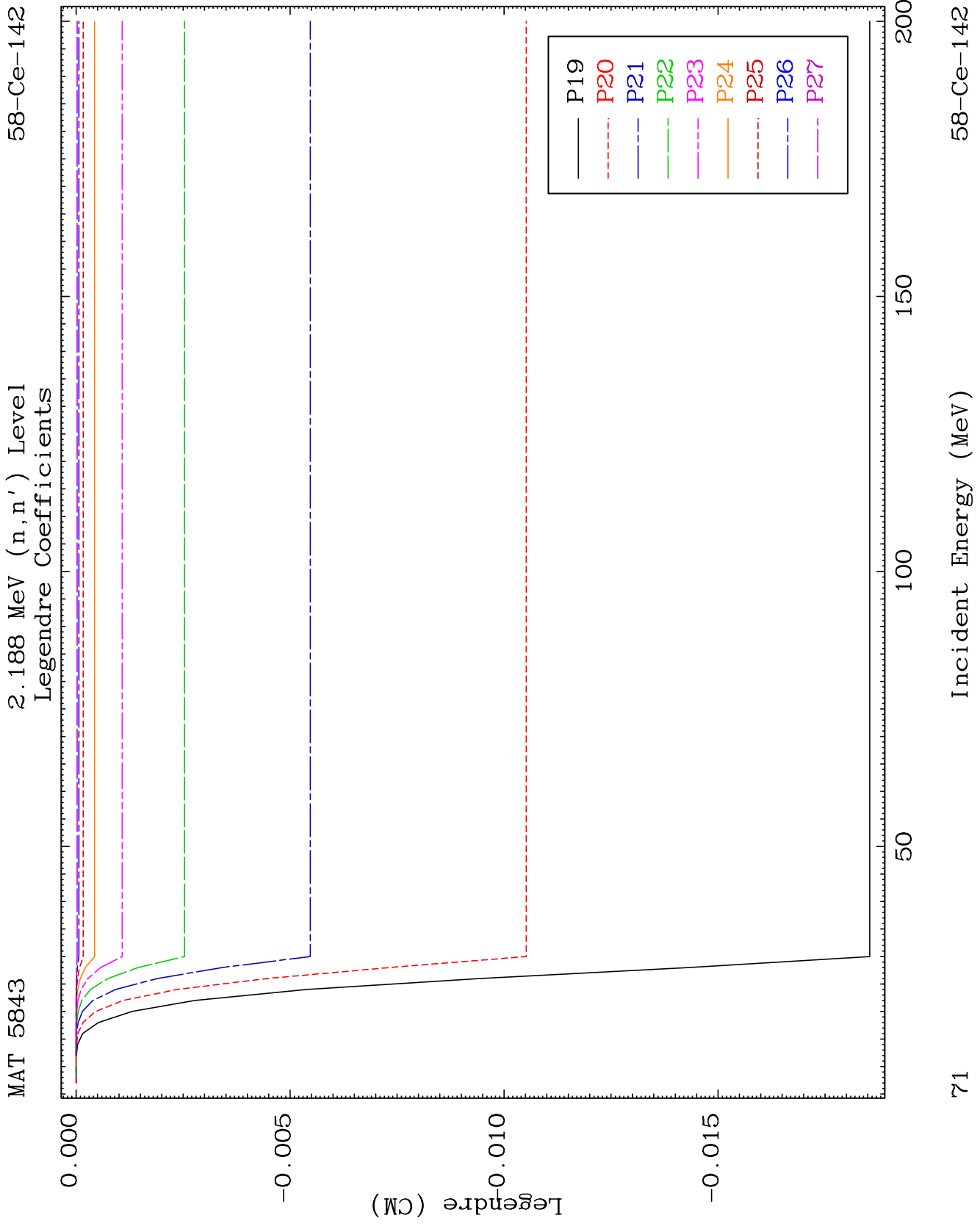
58-Ce-142

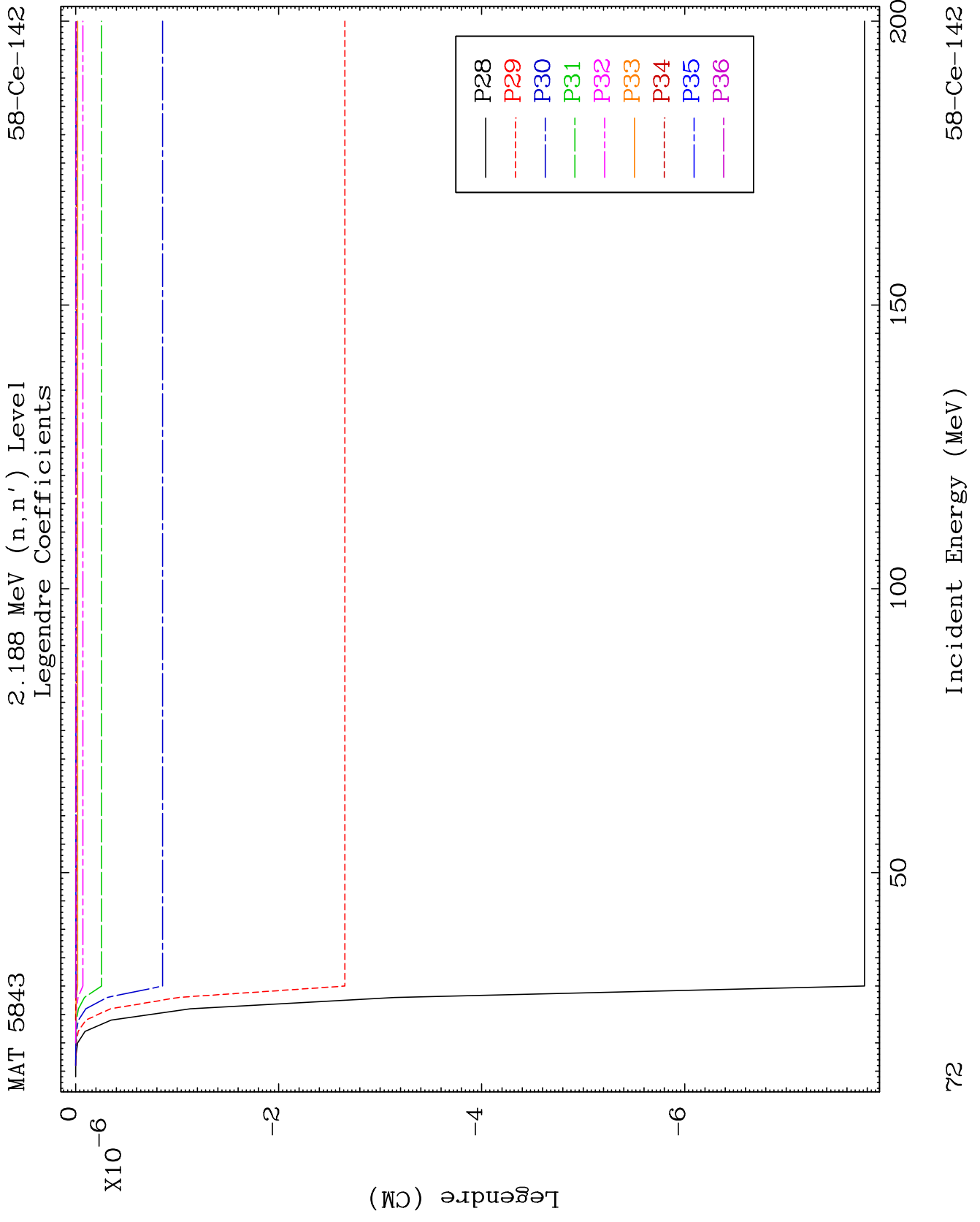


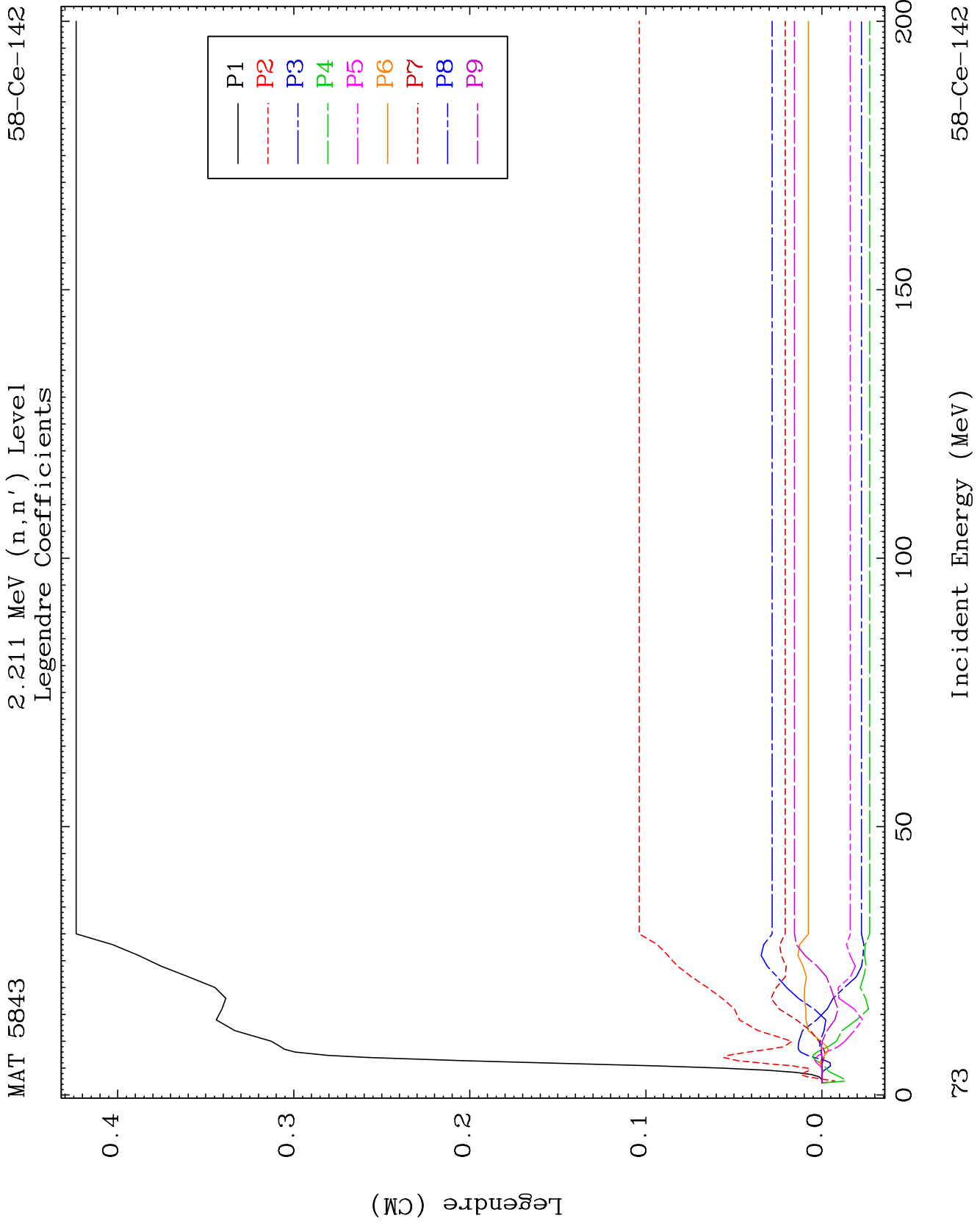
58-Ce-142

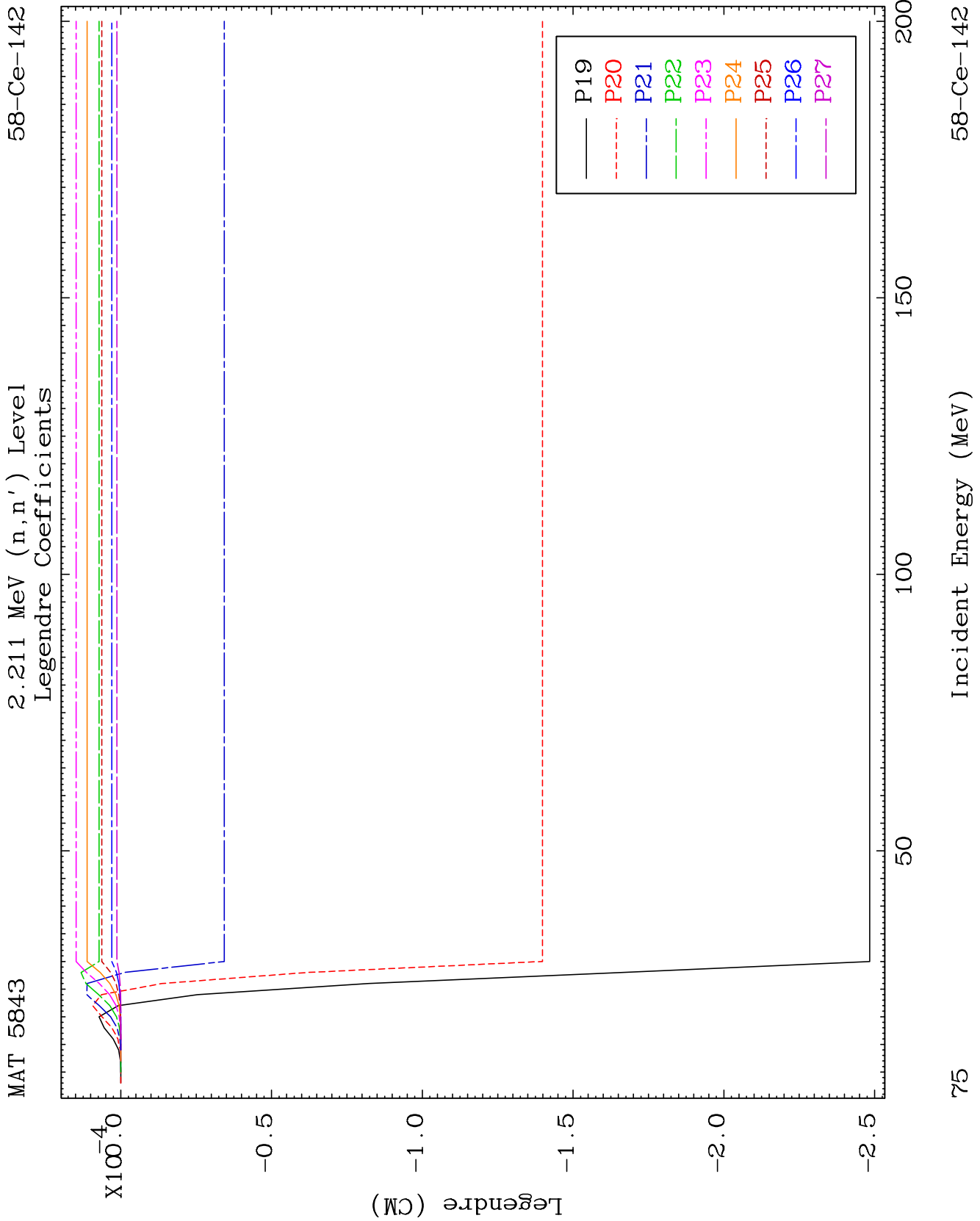
Incident Energy (MeV)

70





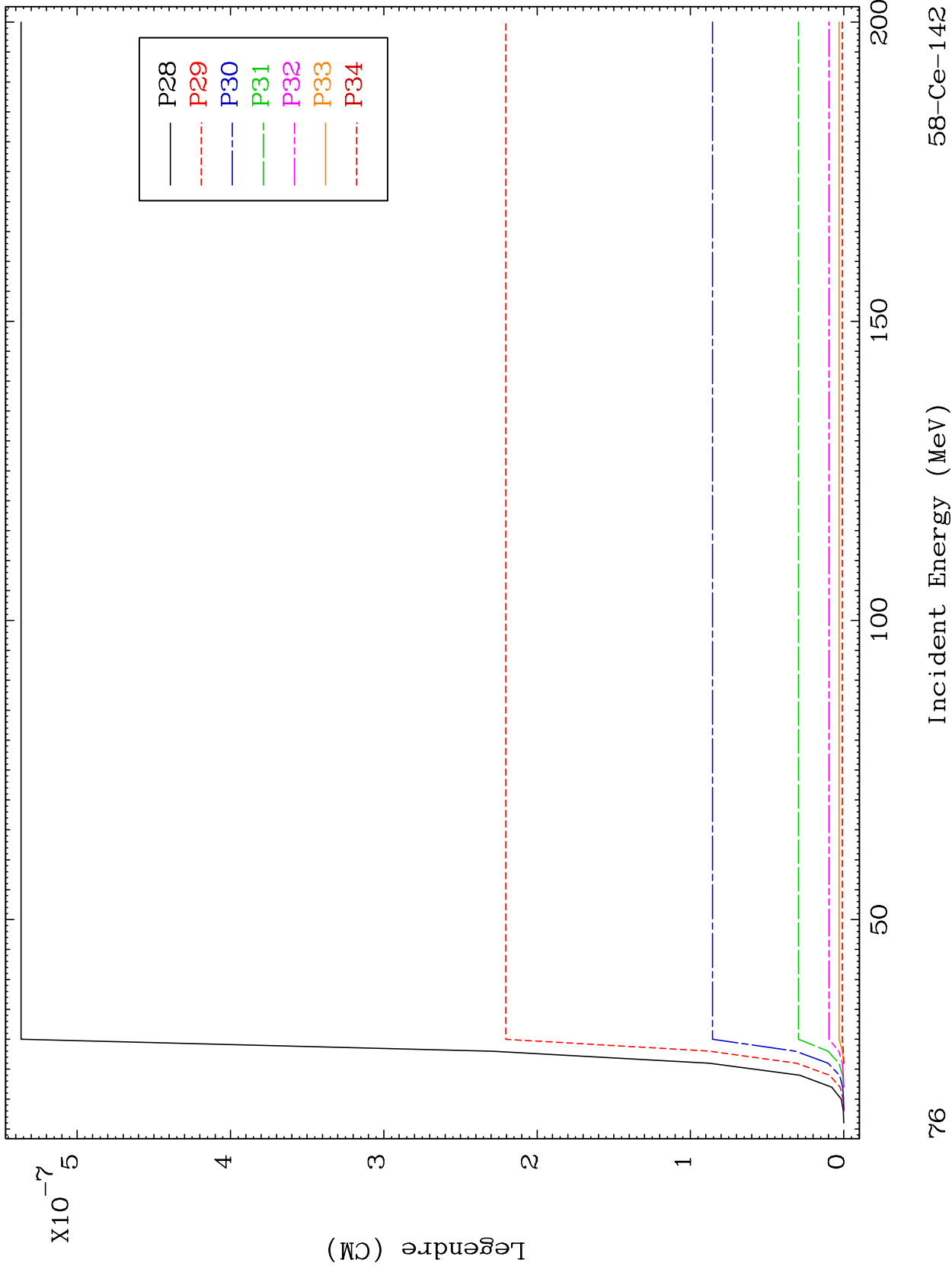




MAT 5843

2.211 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



76

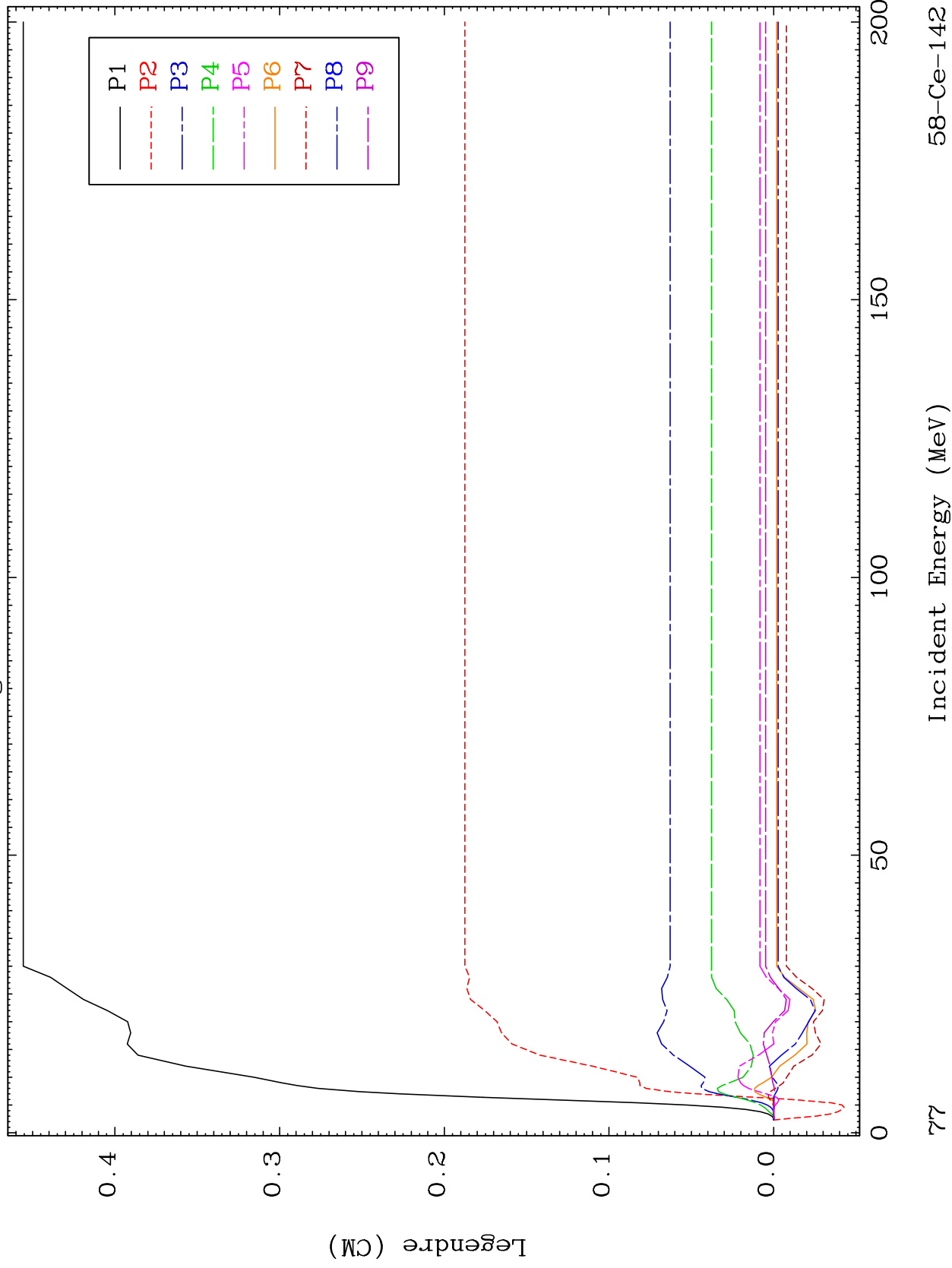
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.278 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



58-Ce-142

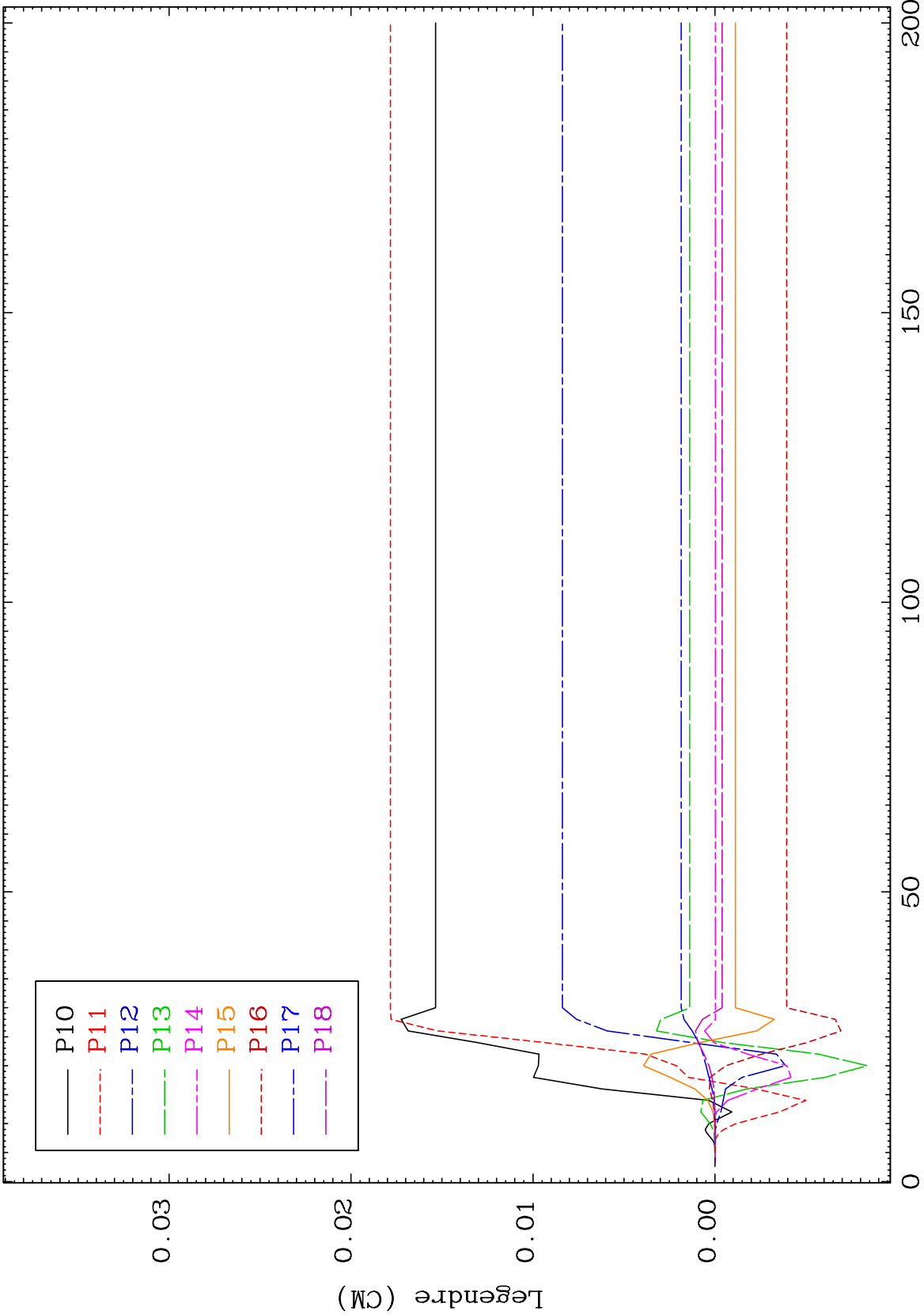
Incident Energy (MeV)

77

MAT 5843

2.278 MeV (n, n') Level
Legendre Coefficients

58-Ce-142



78

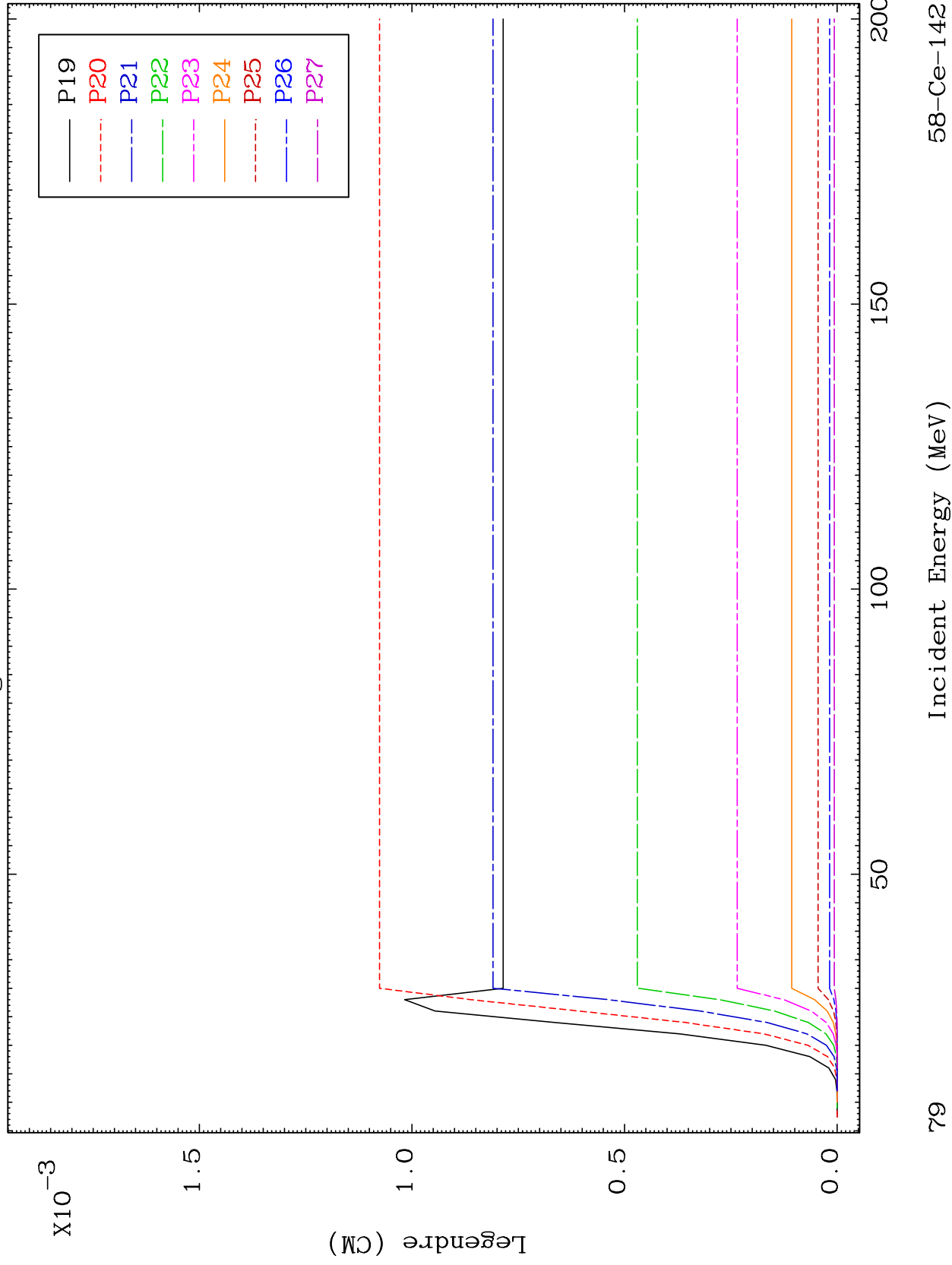
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.278 MeV (n,n') Level
Legendre Coefficients

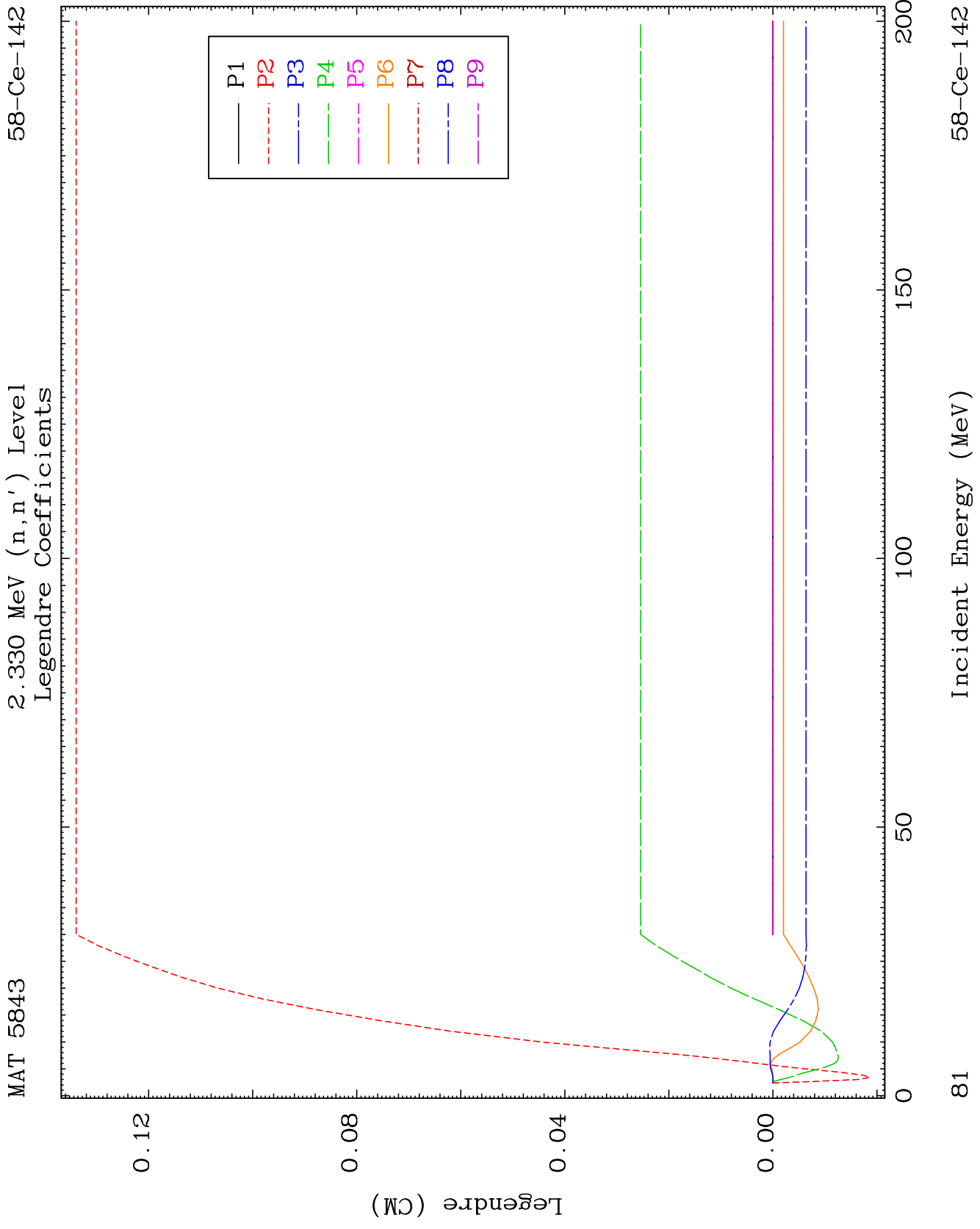
58-Ce-142



79

Incident Energy (MeV)

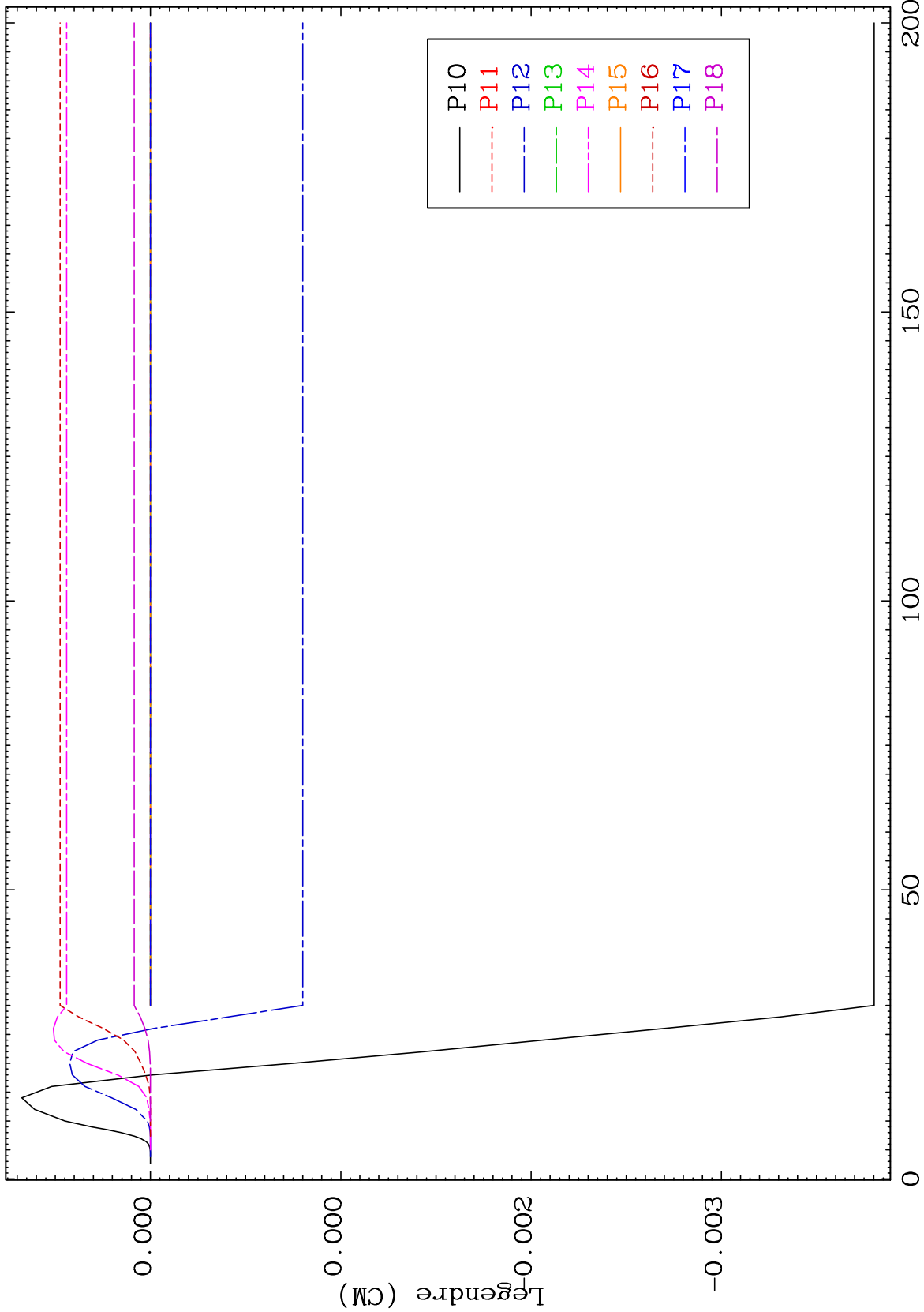
58-Ce-142



MAT 5843

2.330 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



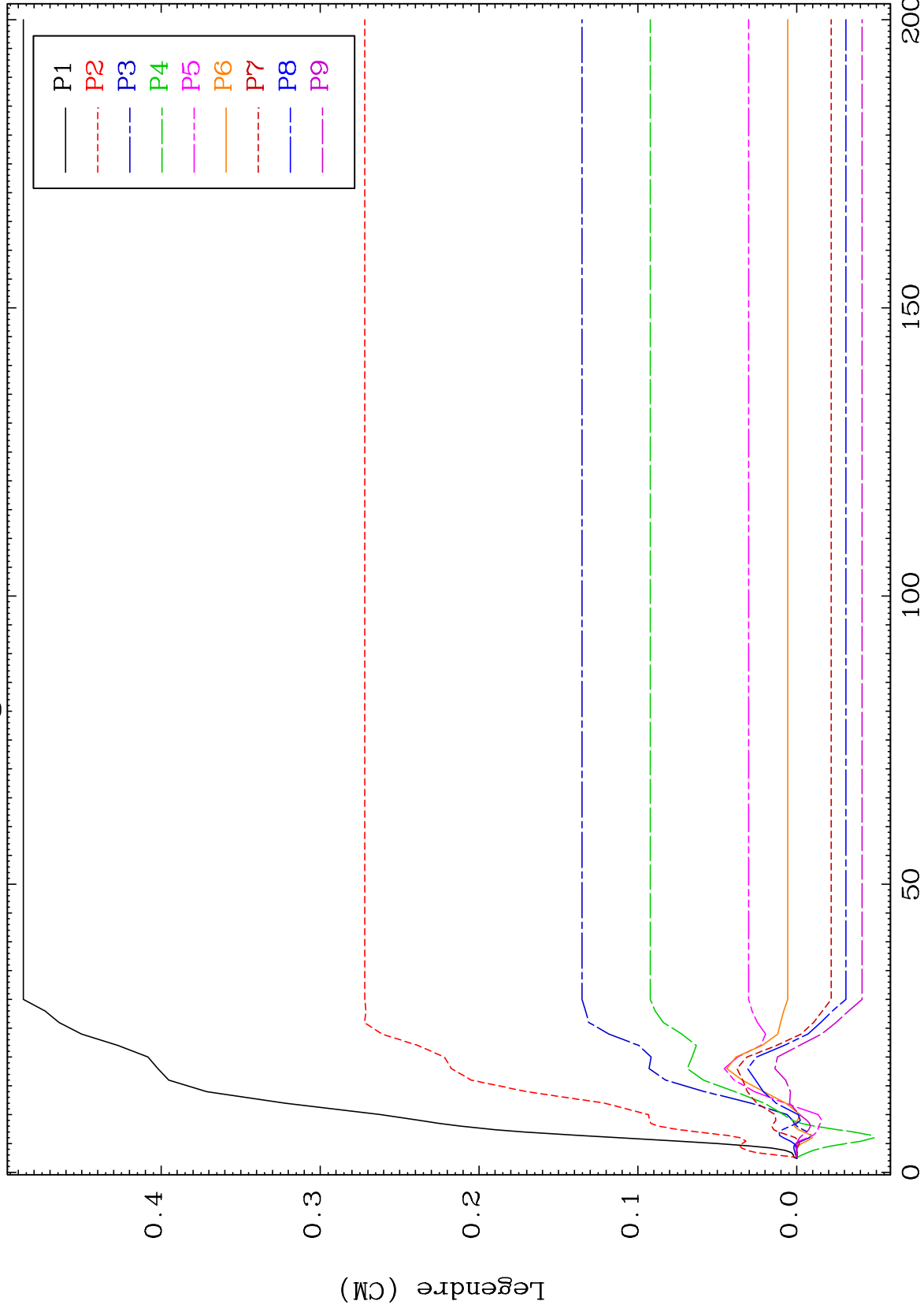
82

58-Ce-142

MAT 5843

2.365 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



84

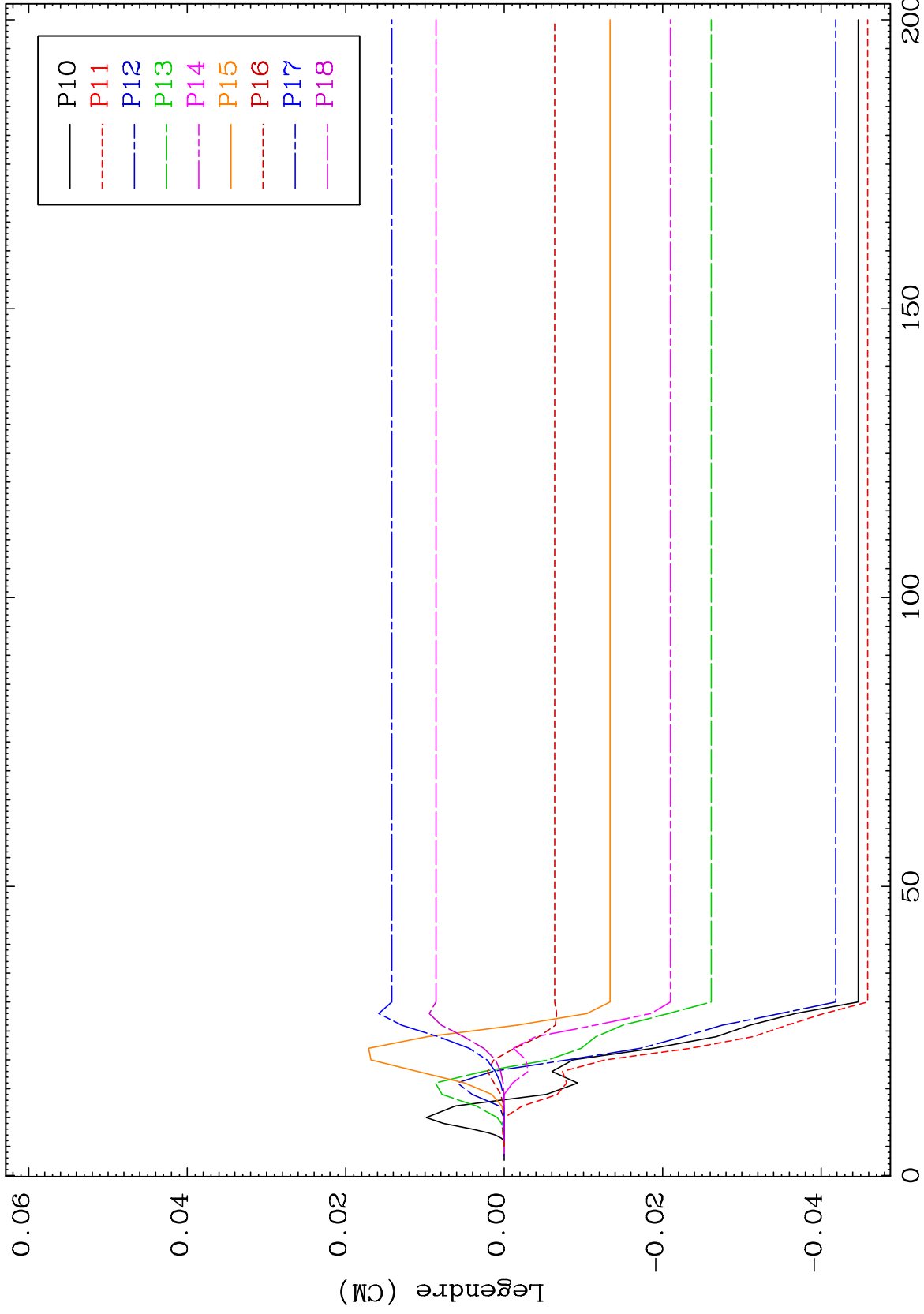
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.365 MeV (n,n') Level
Legendre Coefficients

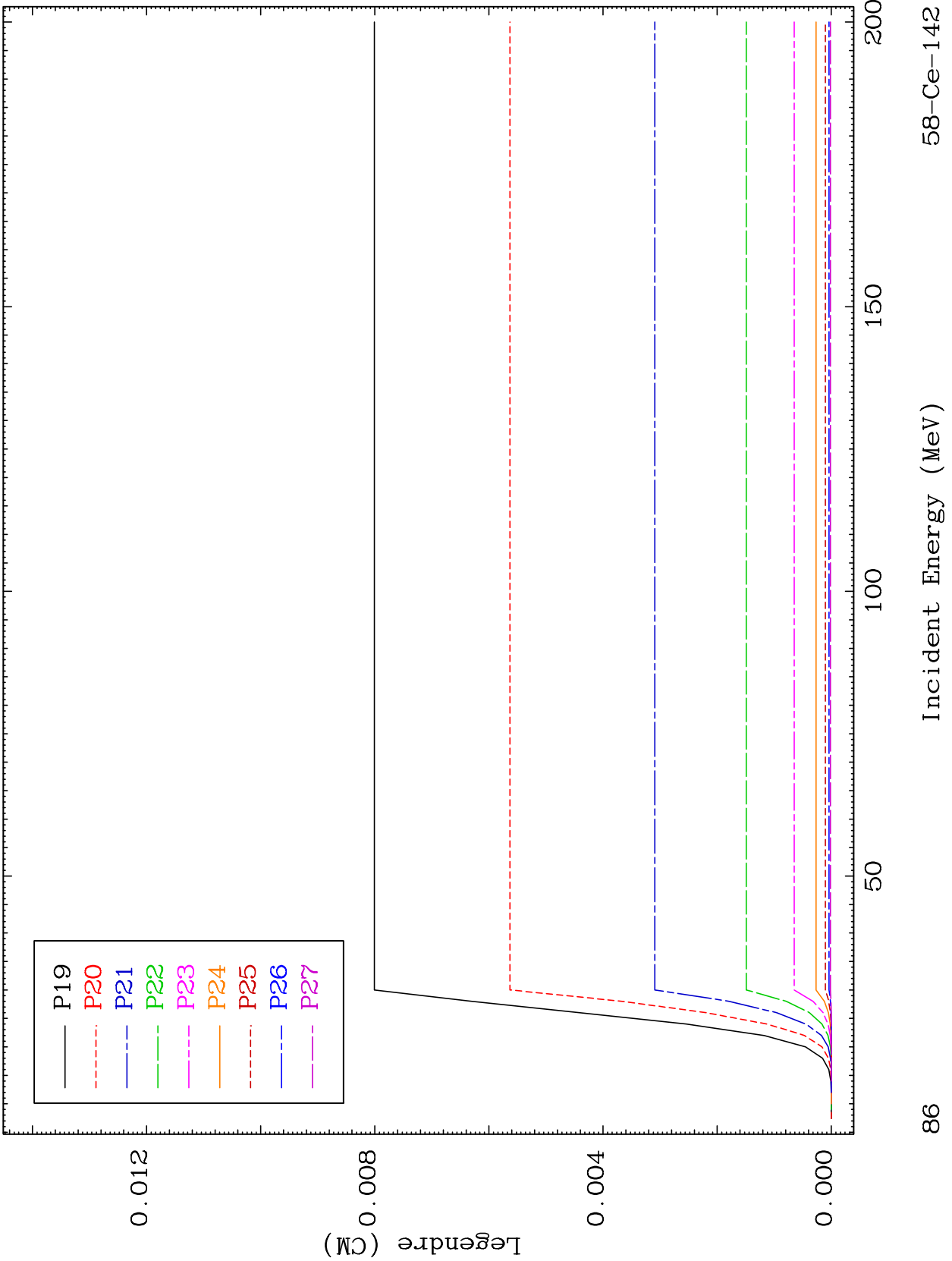
58-Ce-142



85

Incident Energy (MeV)

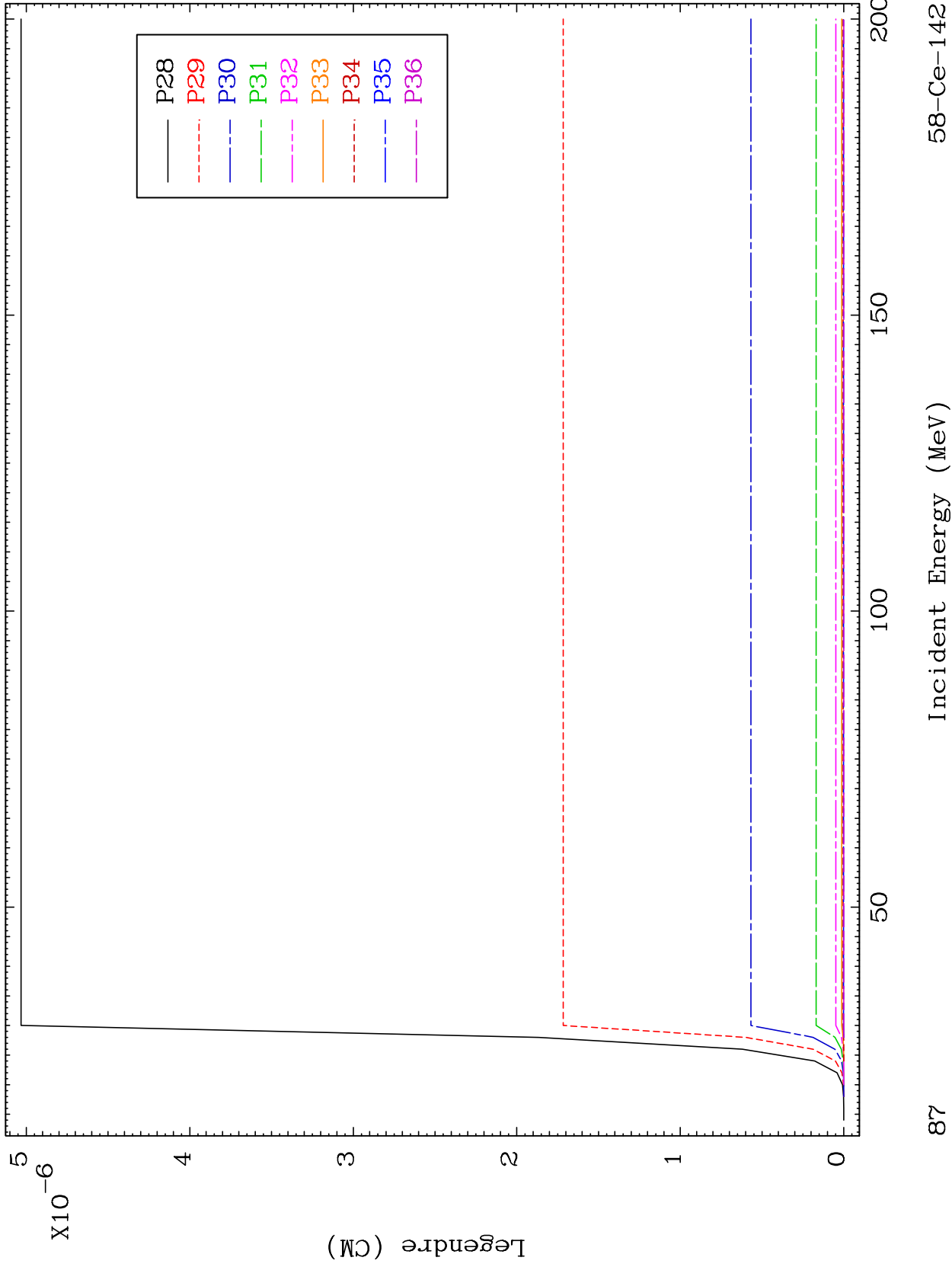
58-Ce-142



MAT 5843

2.365 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



87

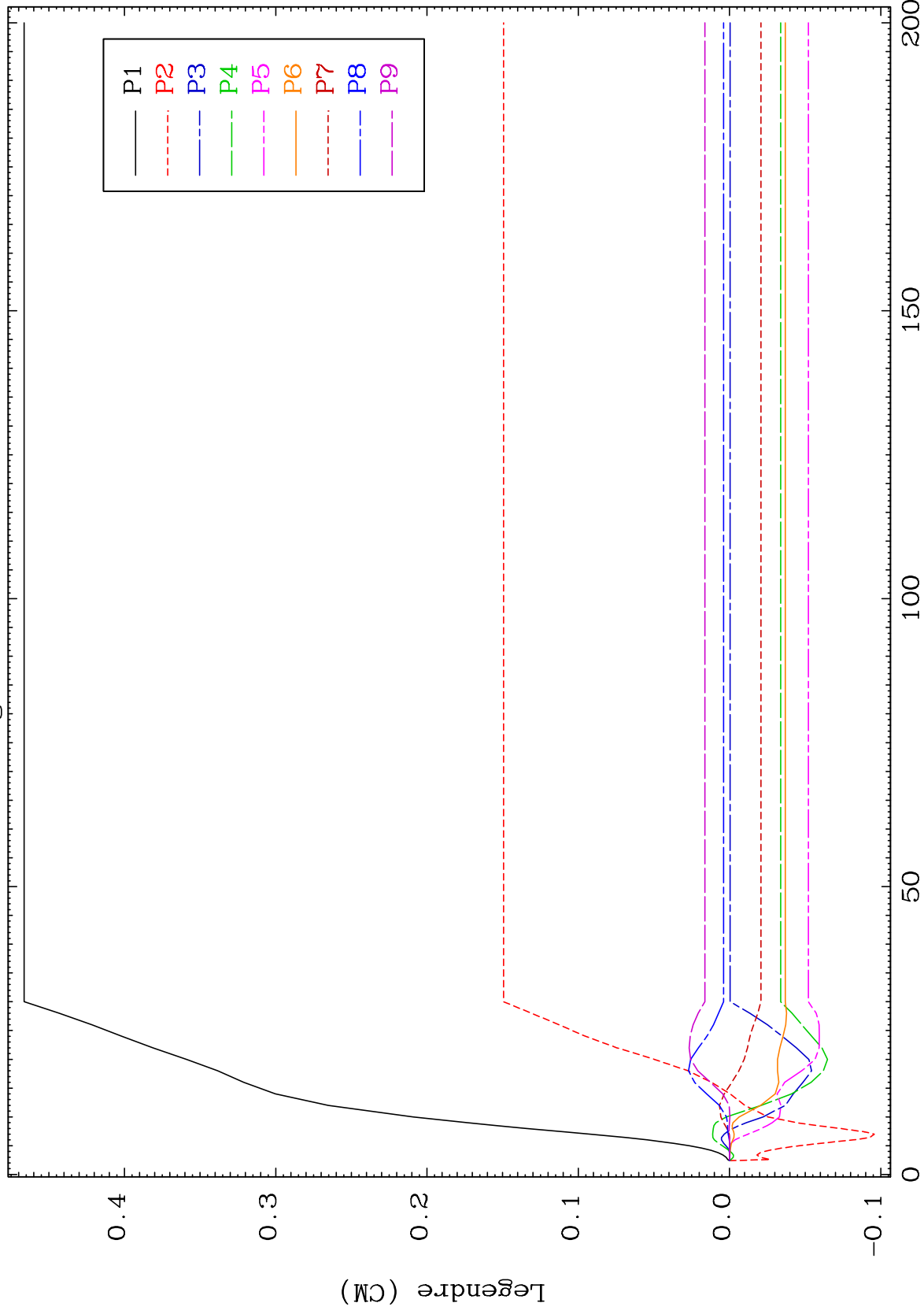
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.375 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



88

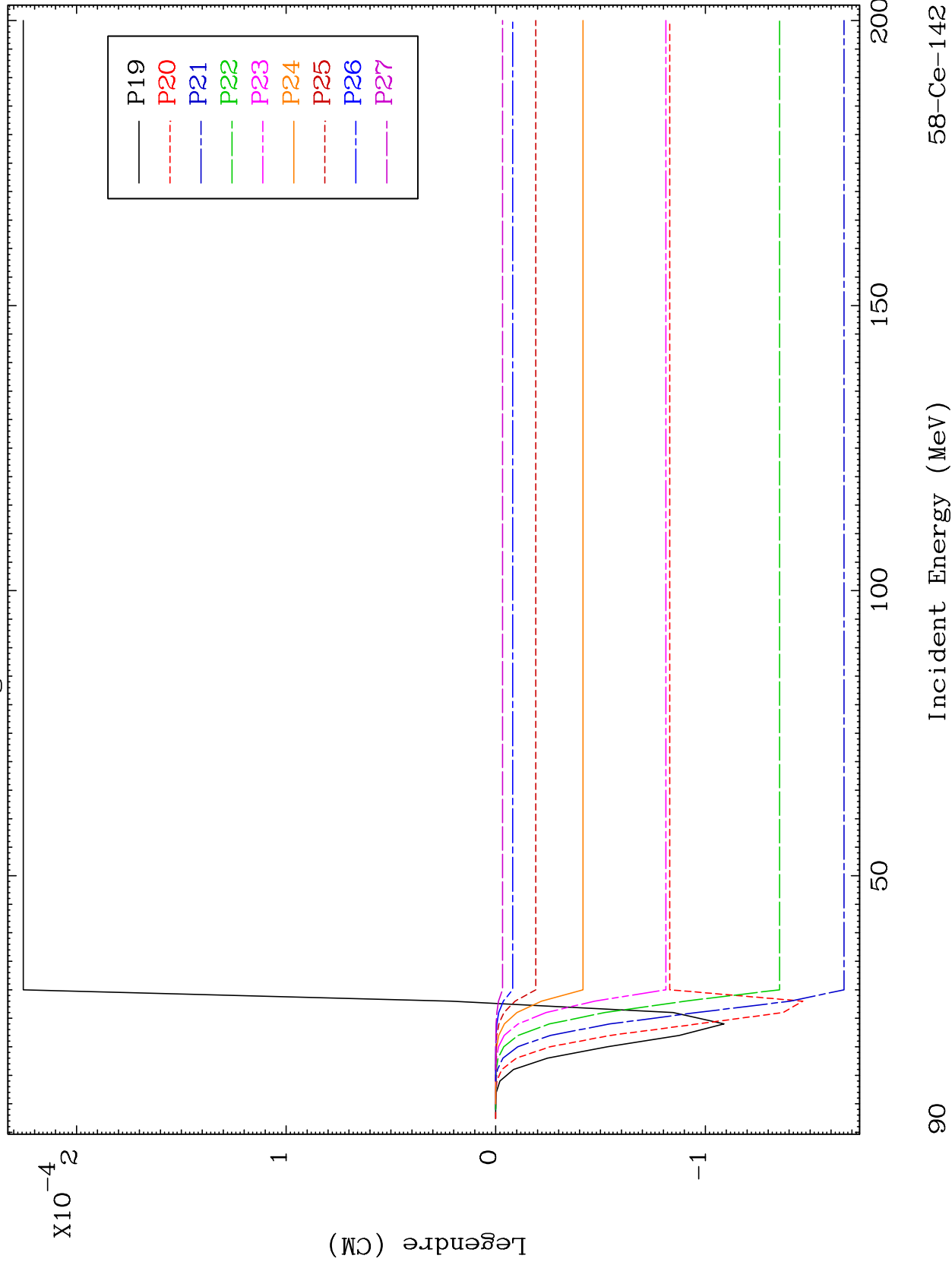
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.375 MeV (n,n') Level
Legendre Coefficients

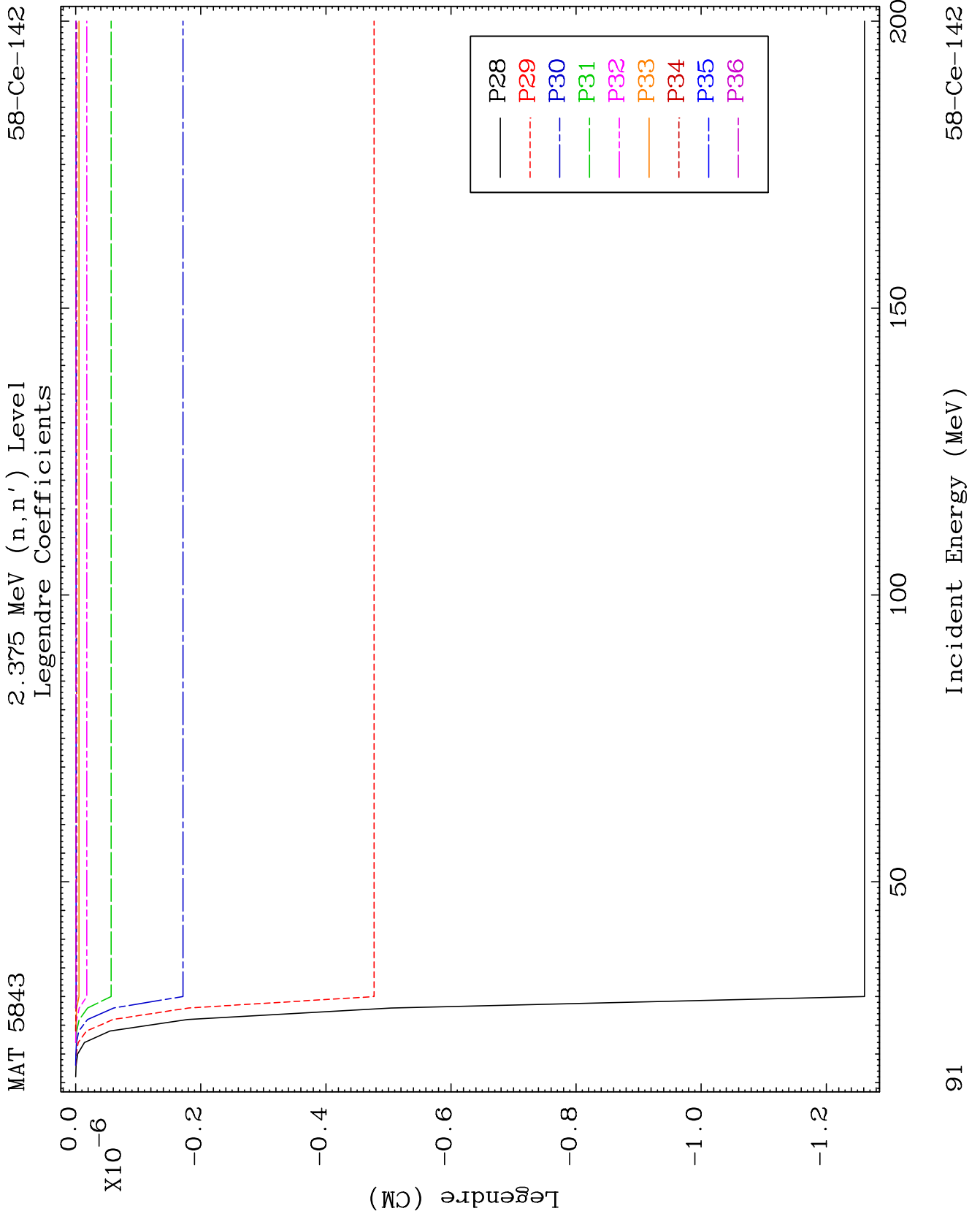
58-Ce-142

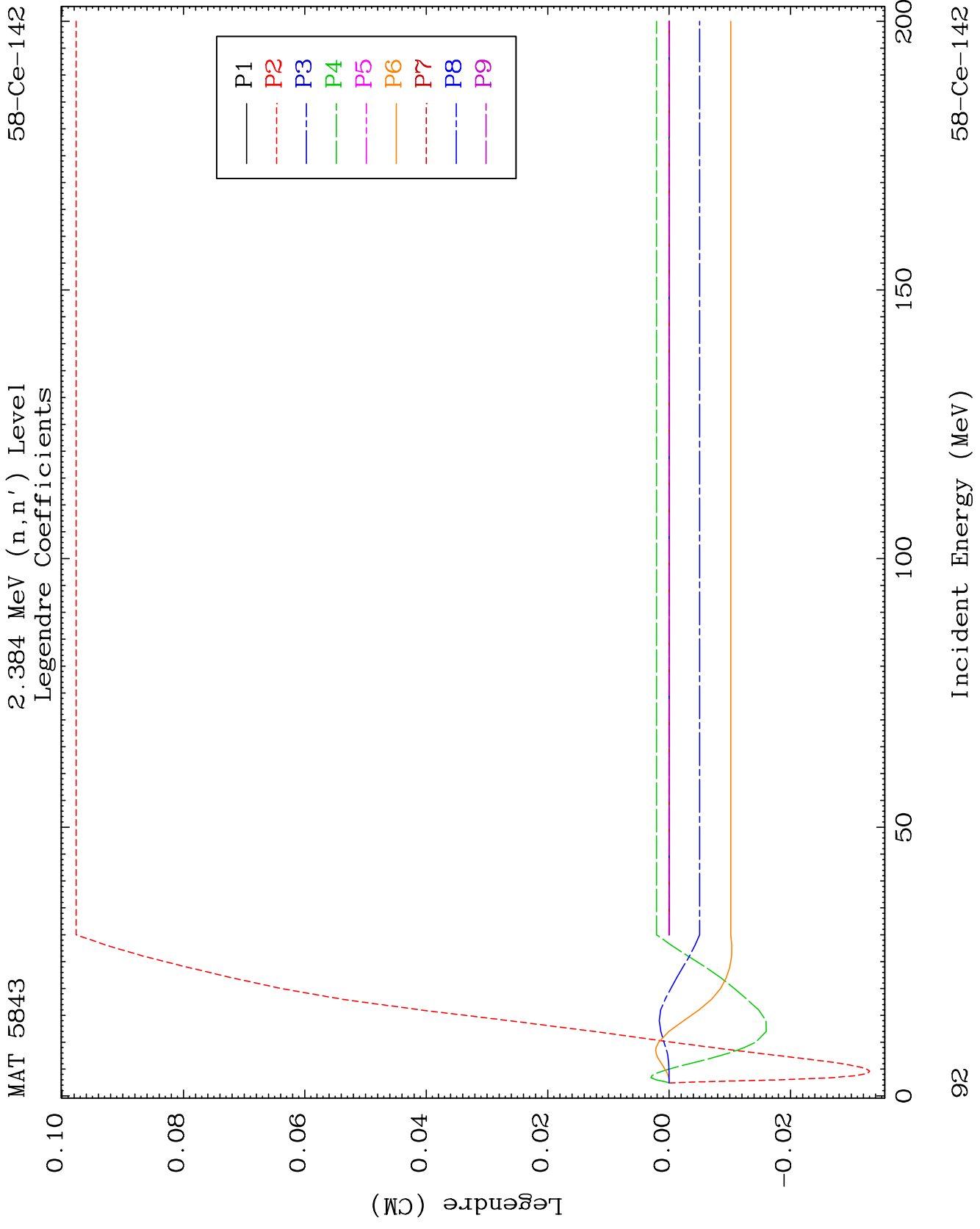


90

Incident Energy (MeV)

58-Ce-142

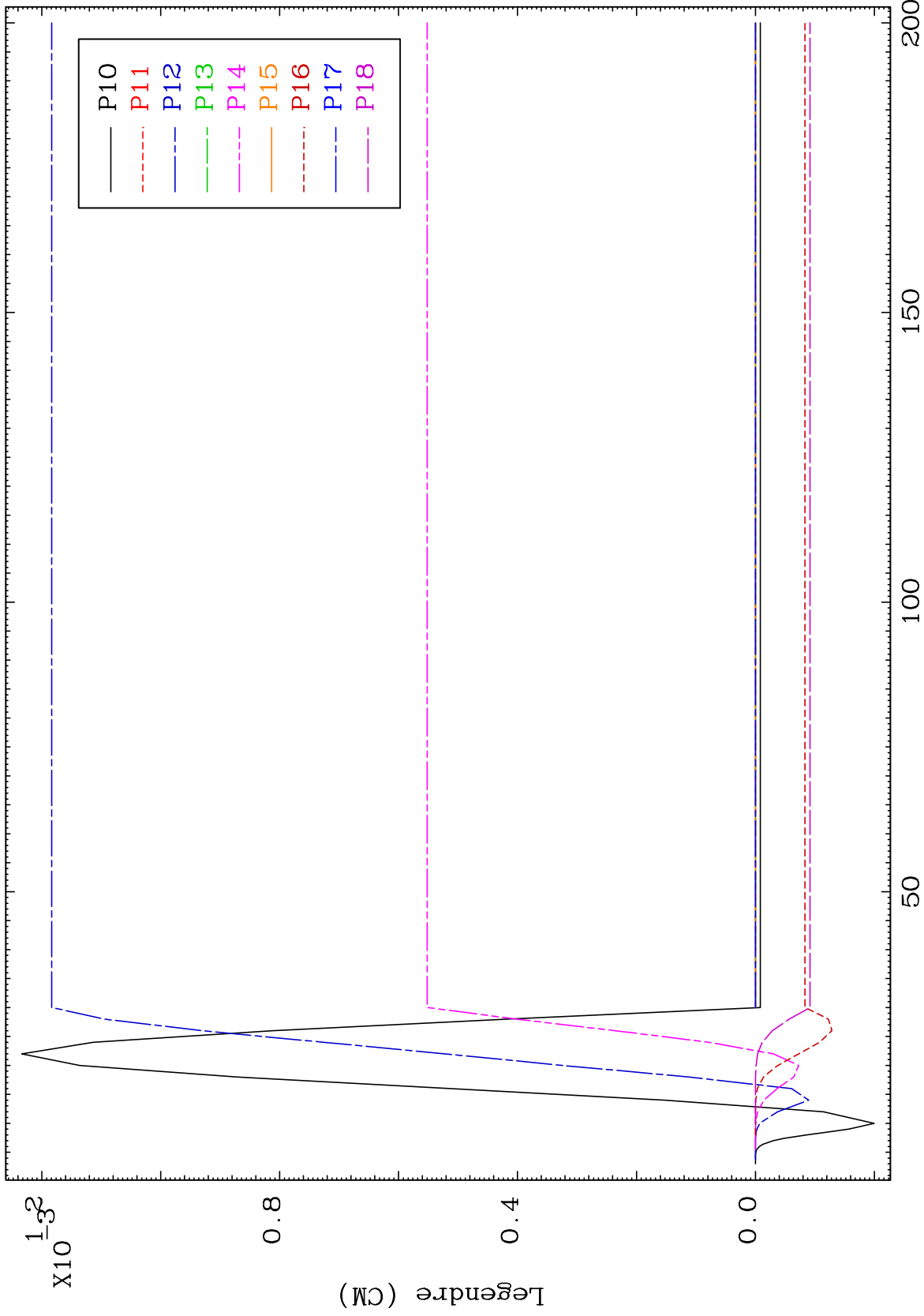




MAT 5843

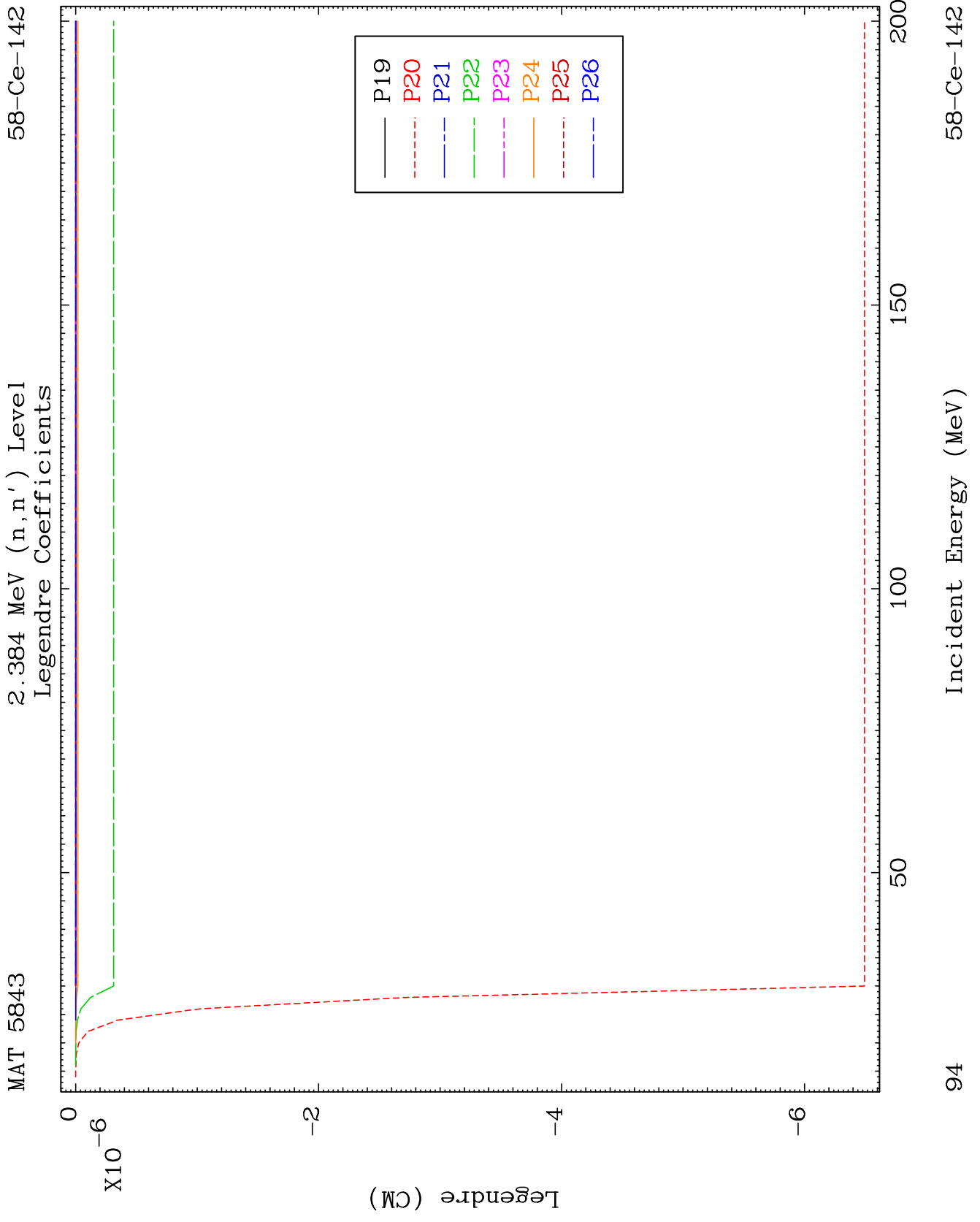
2.384 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



93

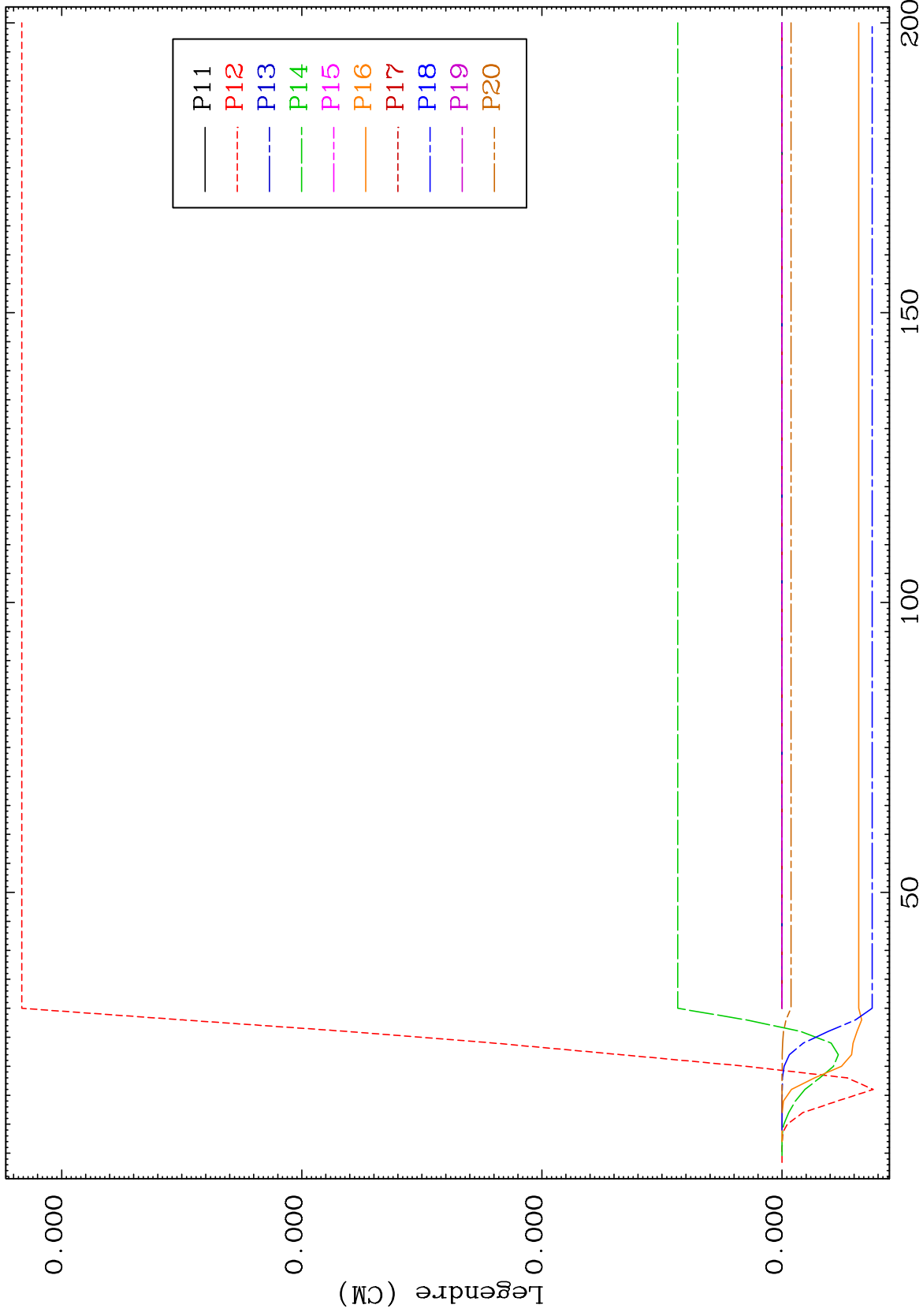
58-Ce-142



MAT 5843

2.398 MeV (n,n') Level
Legendre Coefficients

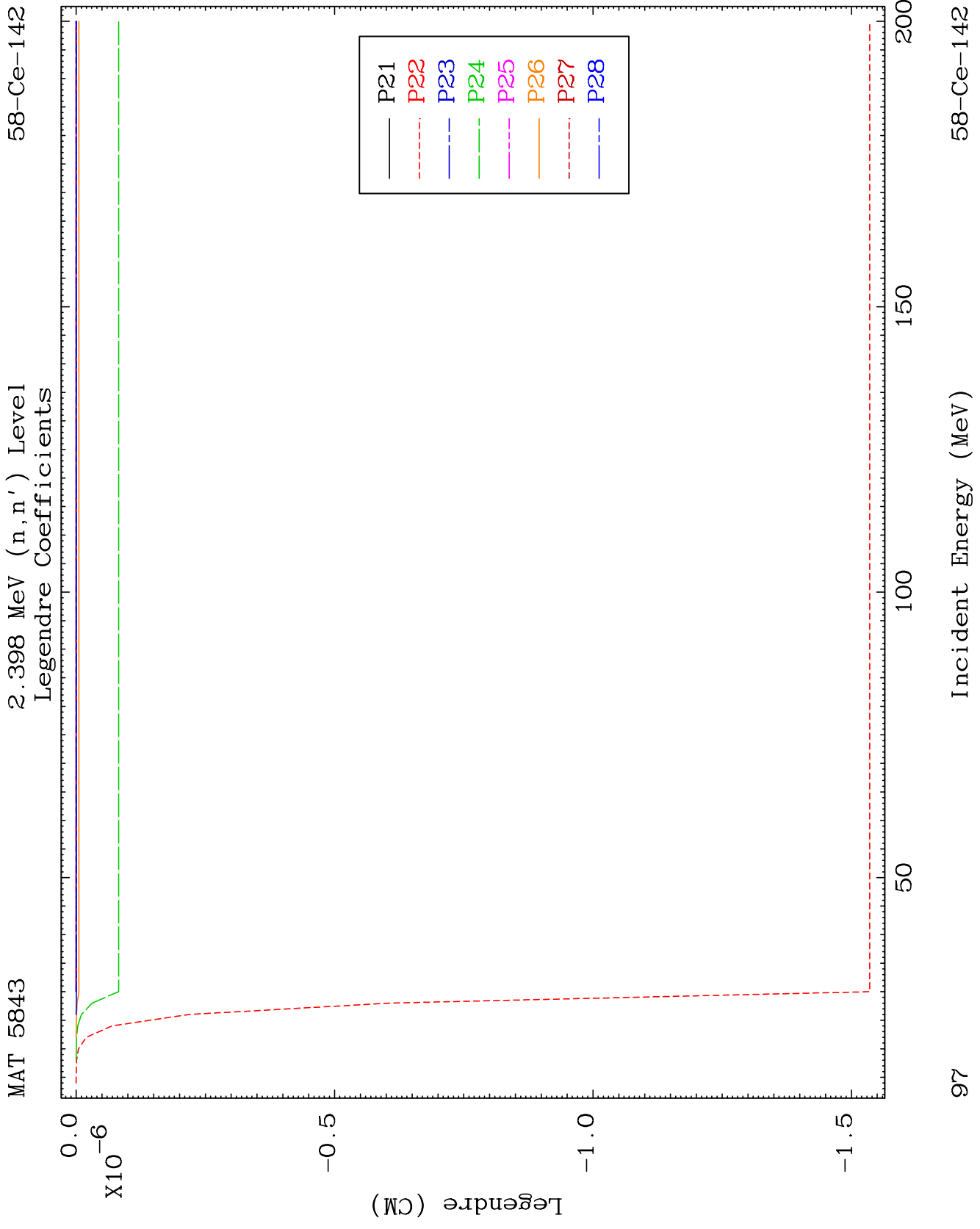
58-Ce-142



96

Incident Energy (MeV)

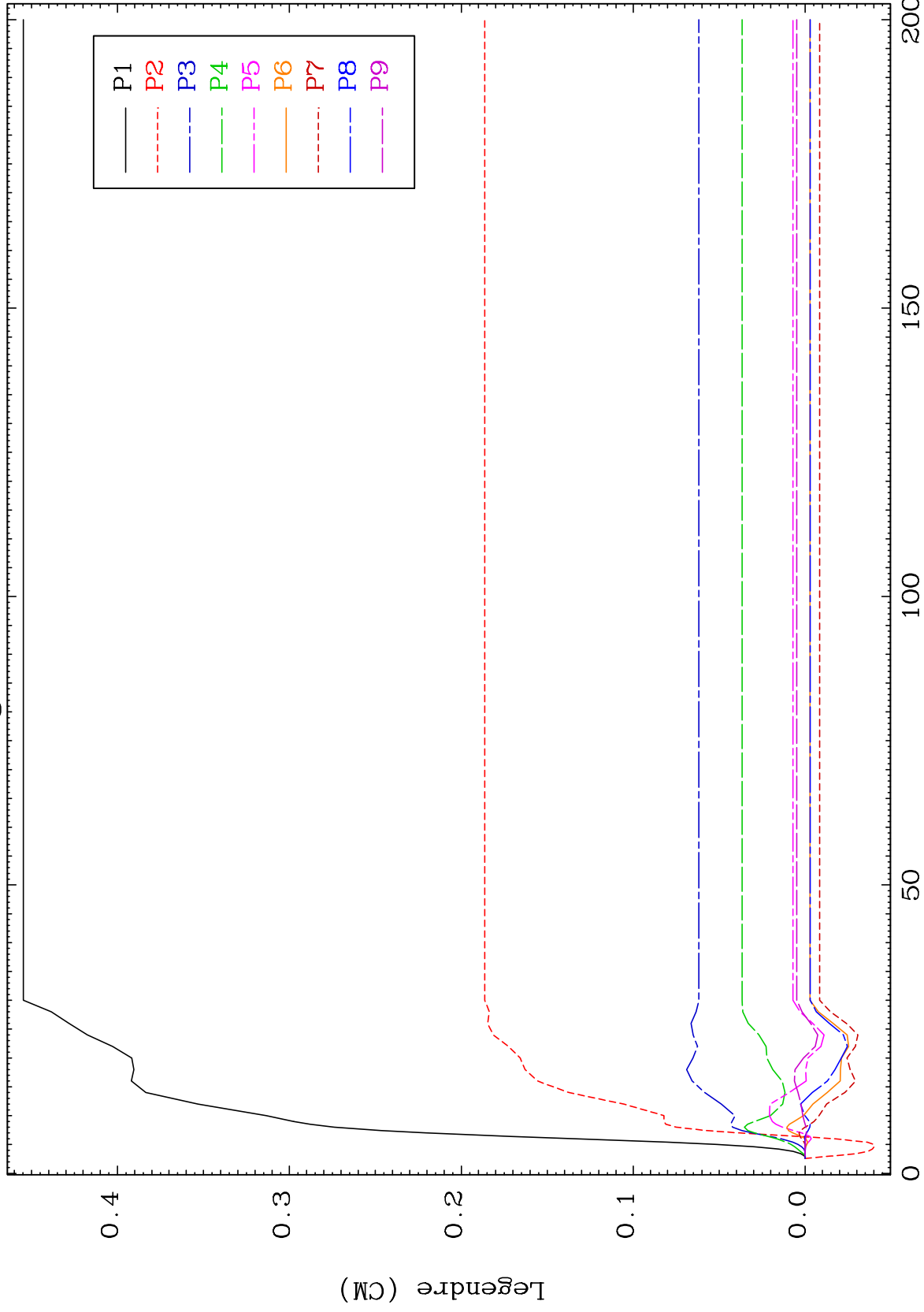
58-Ce-142



MAT 5843

2.540 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



98

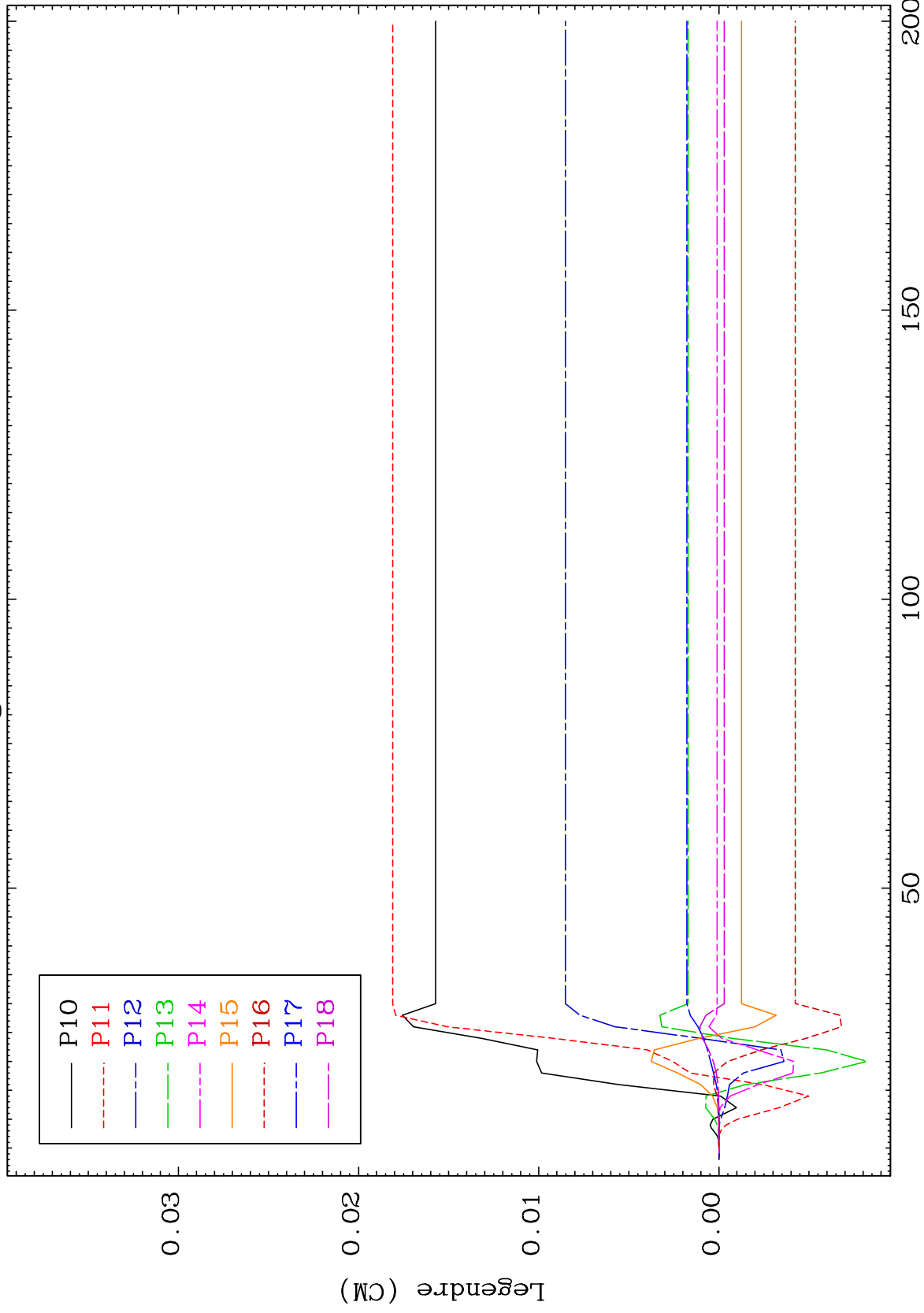
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.540 MeV (n, n') Level
Legendre Coefficients

58-Ce-142



99

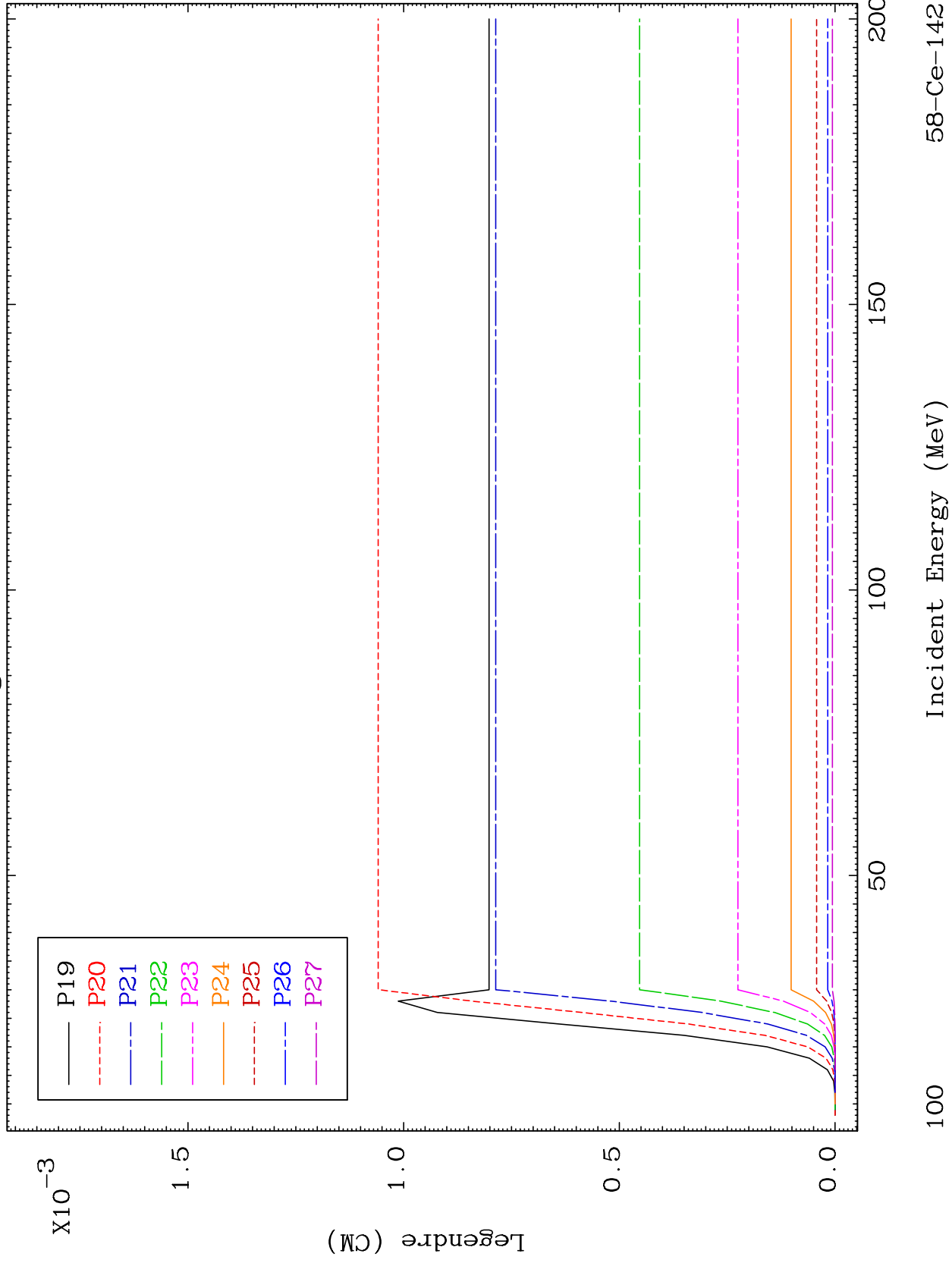
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.540 MeV (n, n') Level
Legendre Coefficients

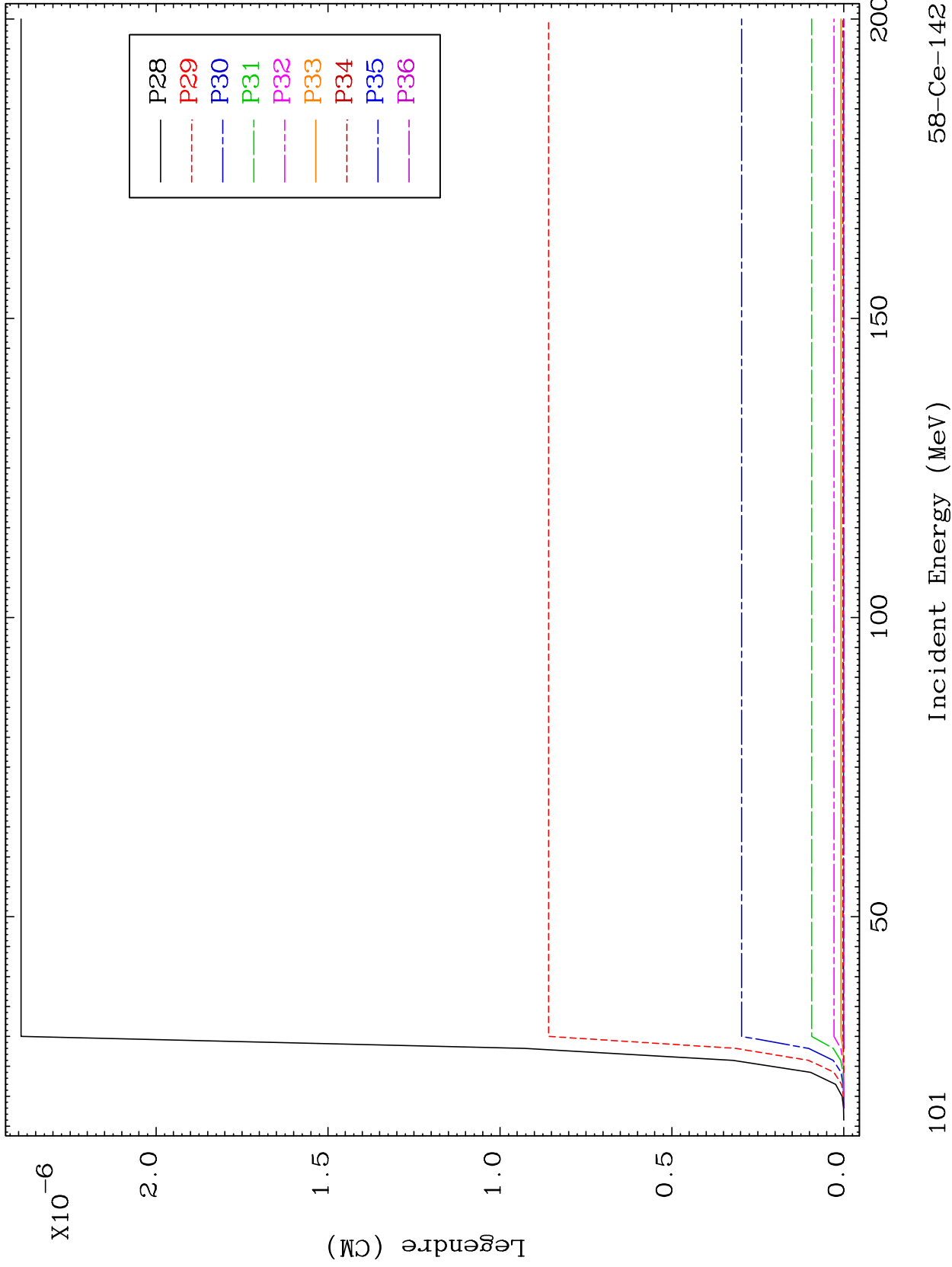
58-Ce-142



MAT 5843

2.540 MeV (n, n') Level
Legendre Coefficients

58-Ce-142

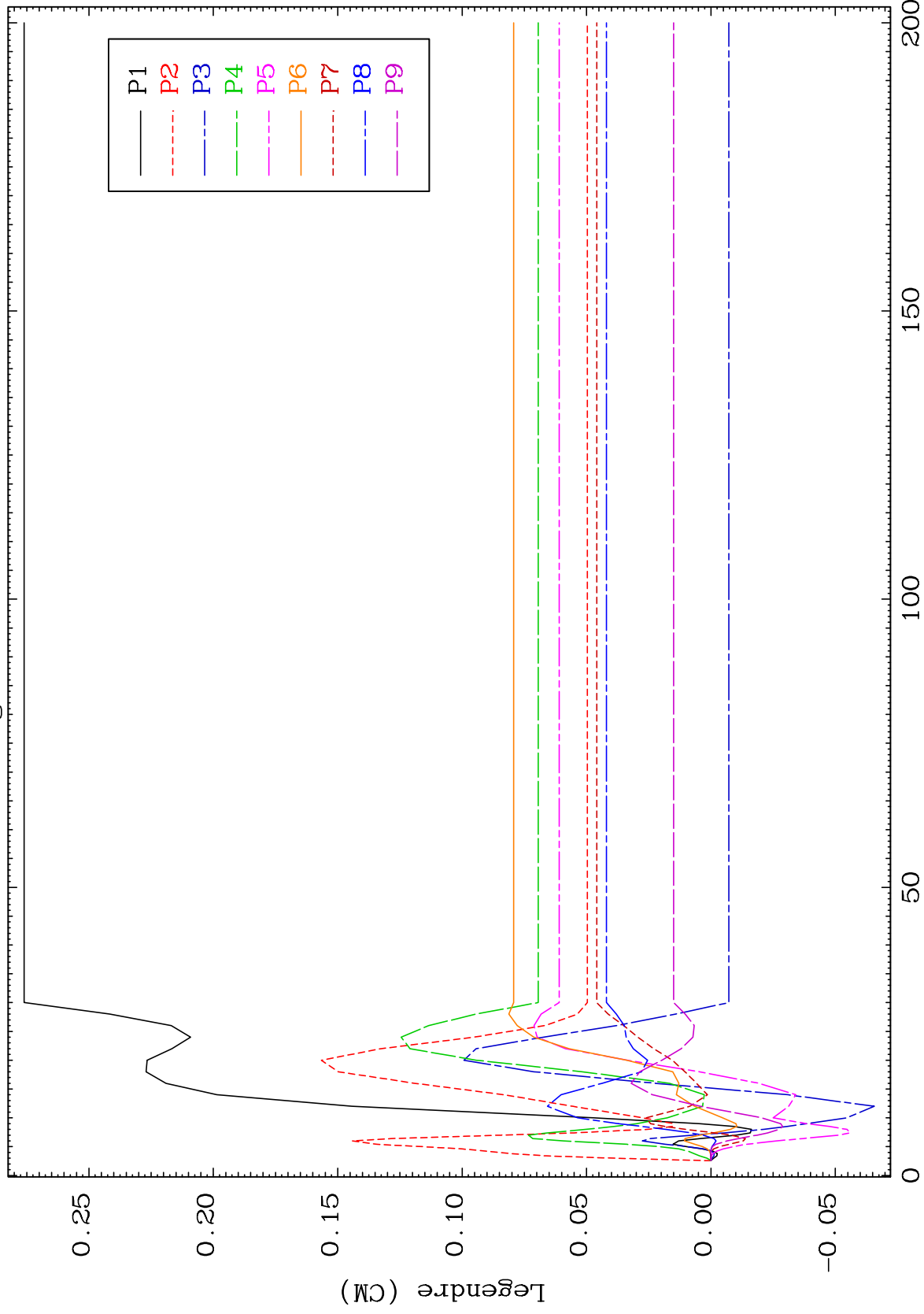


101

MAT 5843

2.543 MeV (n,n') Level
Legendre Coefficients

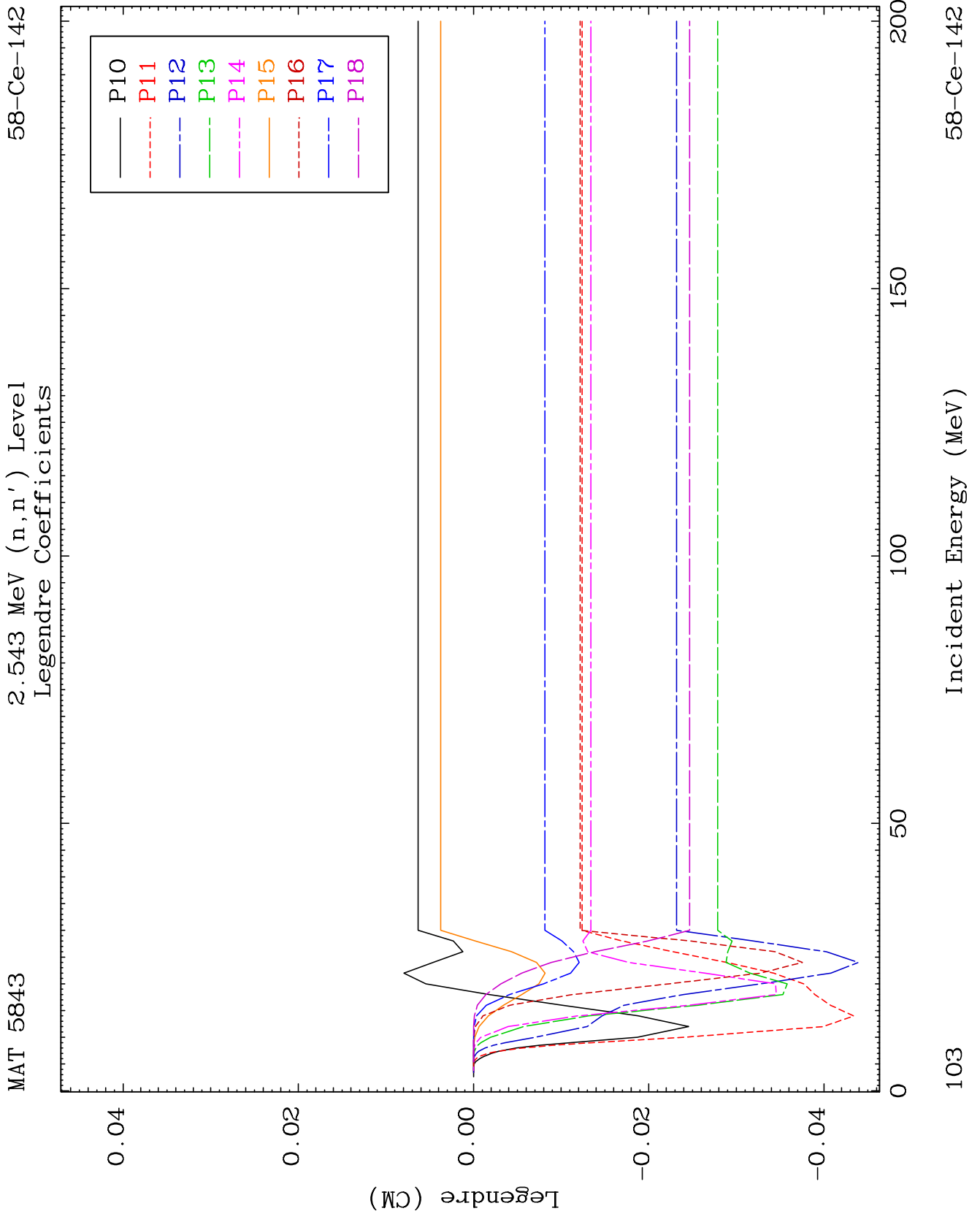
58-Ce-142

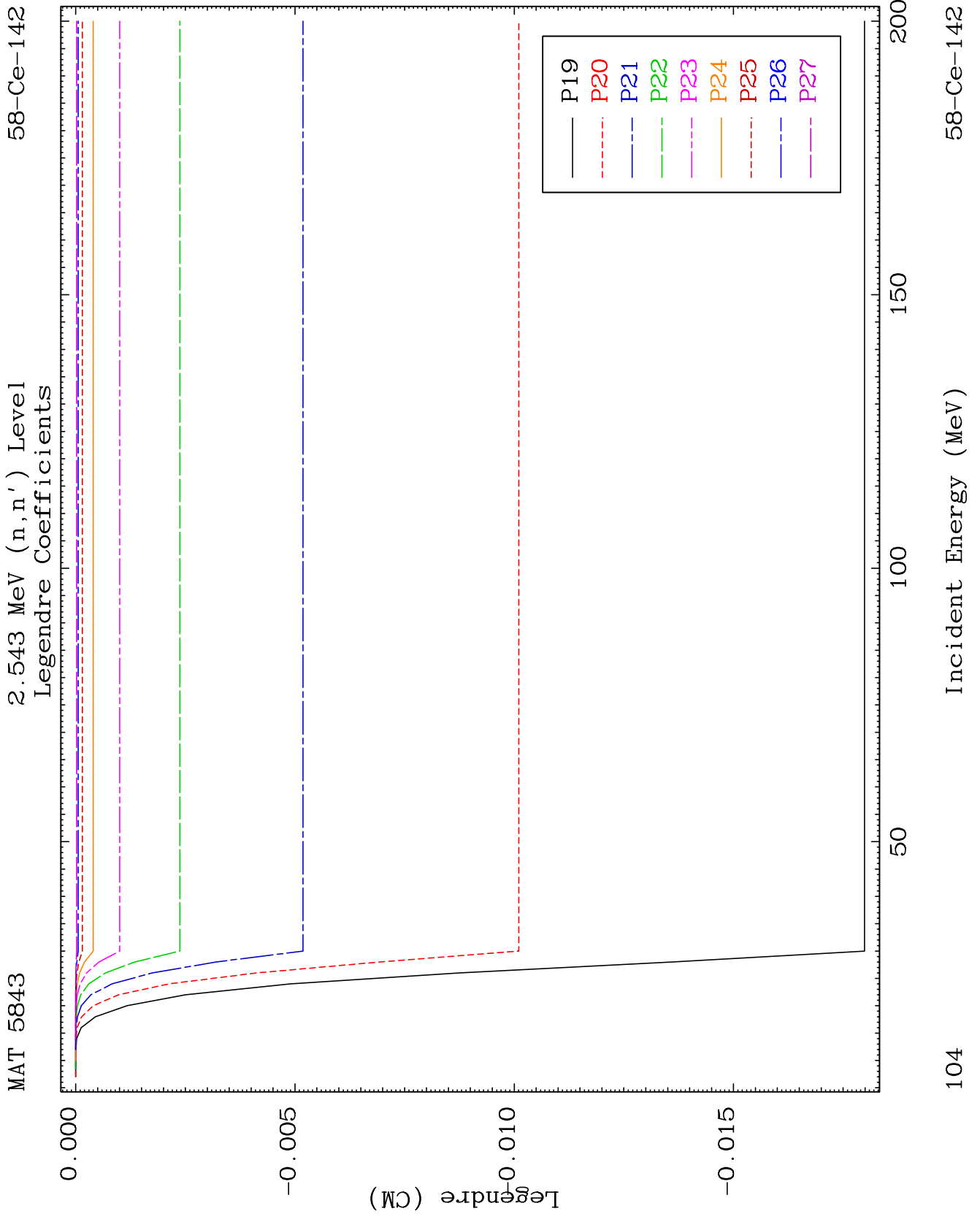


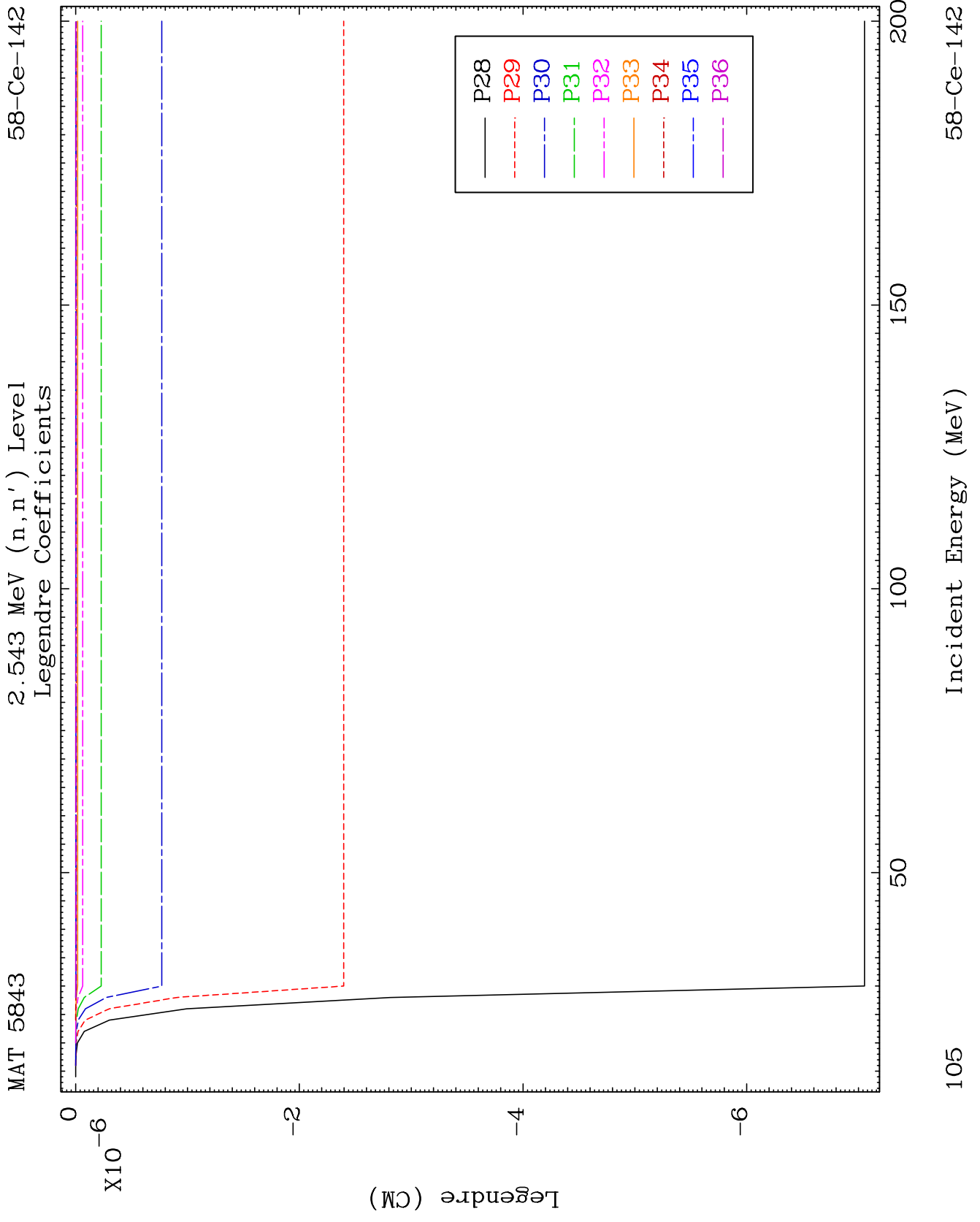
Incident Energy (MeV)

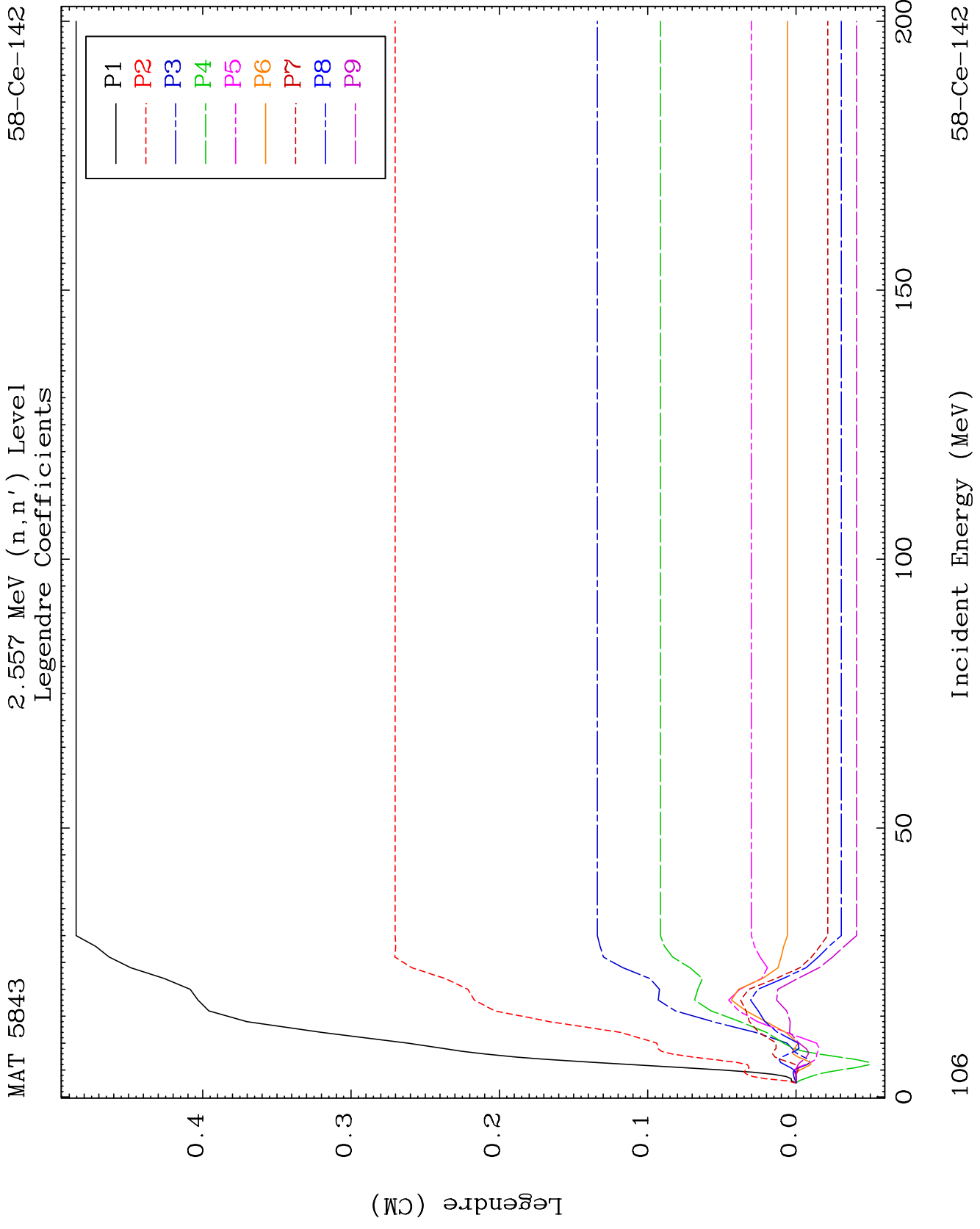
58-Ce-142

102





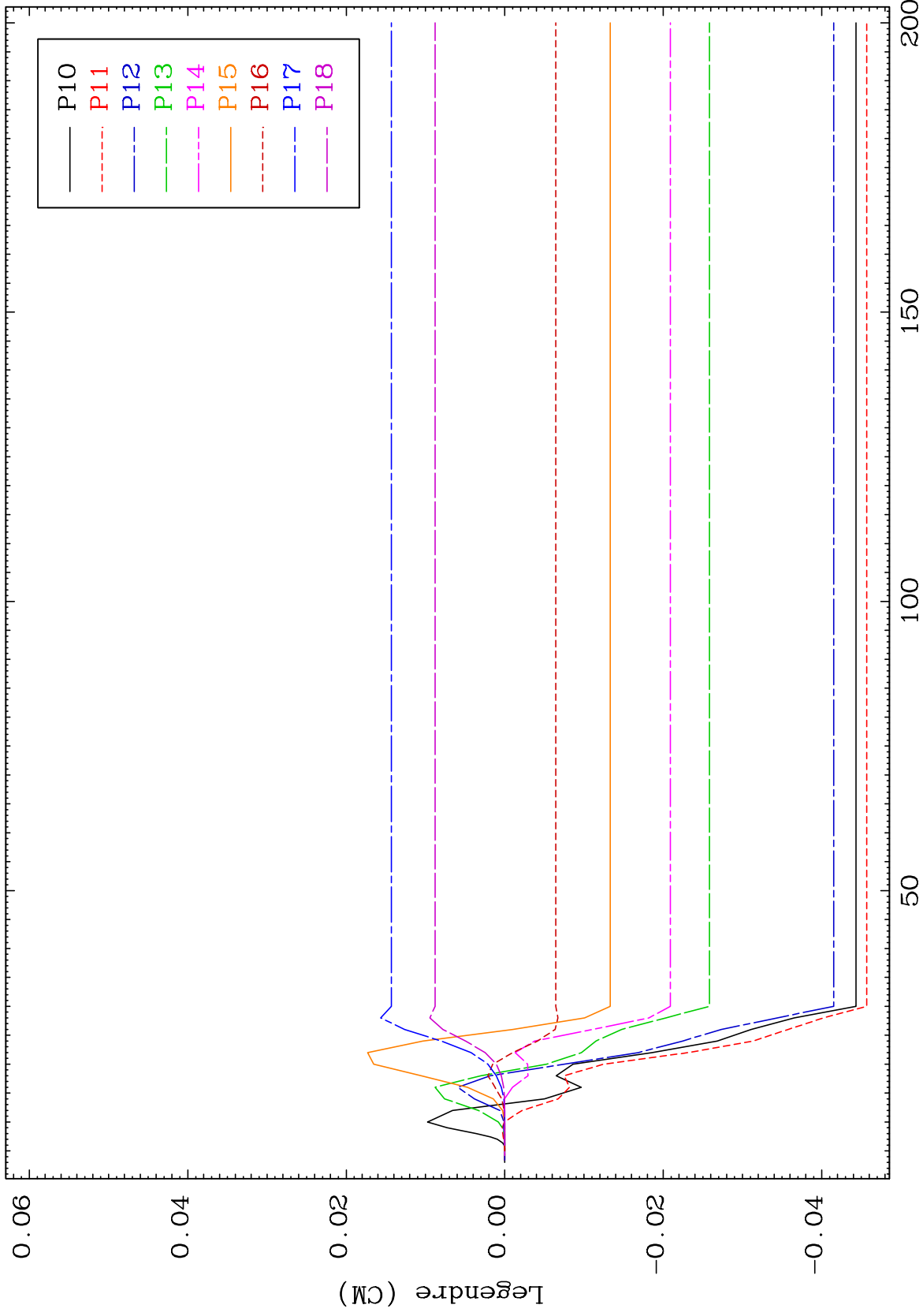




MAT 5843

2.557 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



107

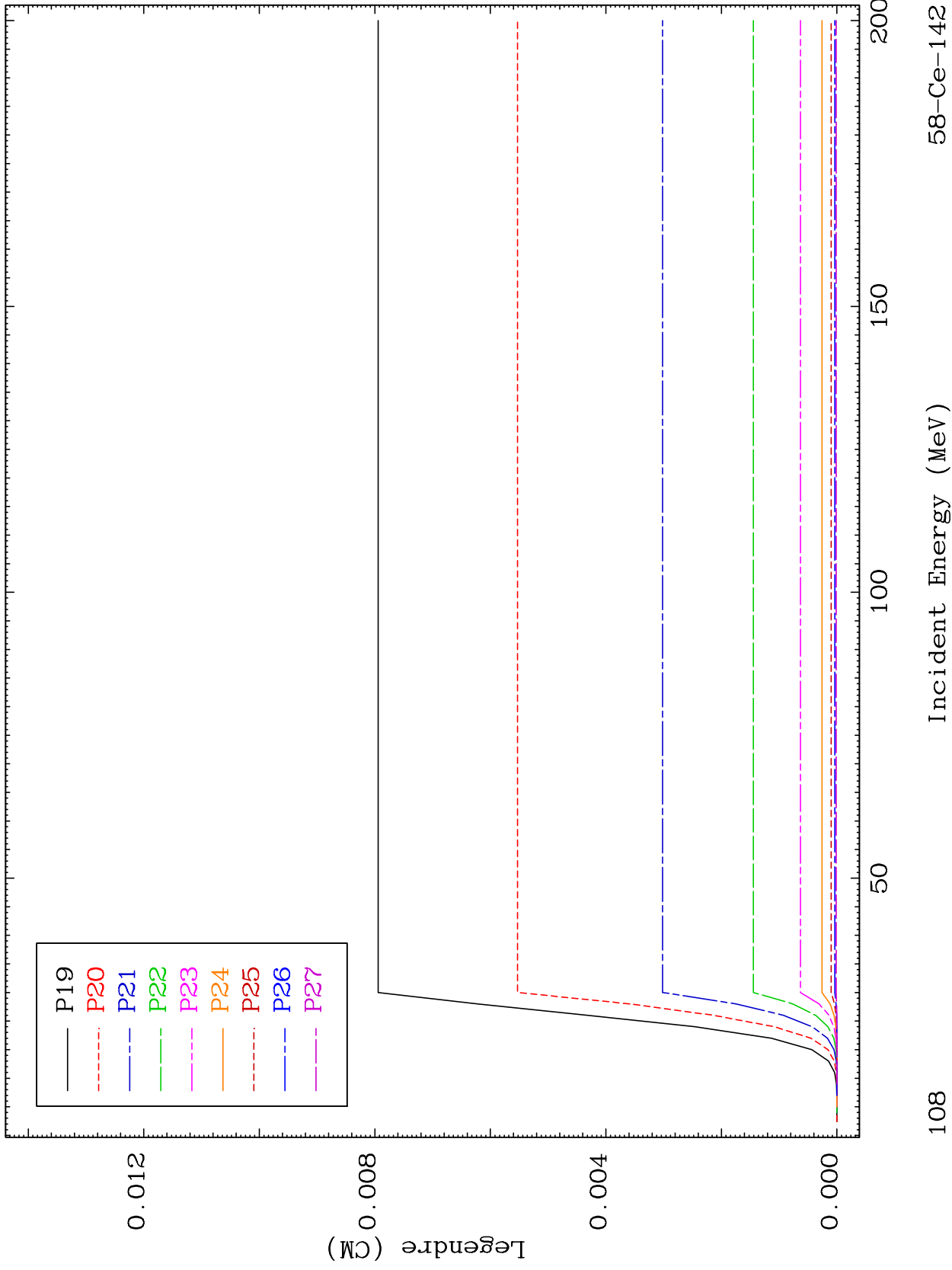
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.557 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



108

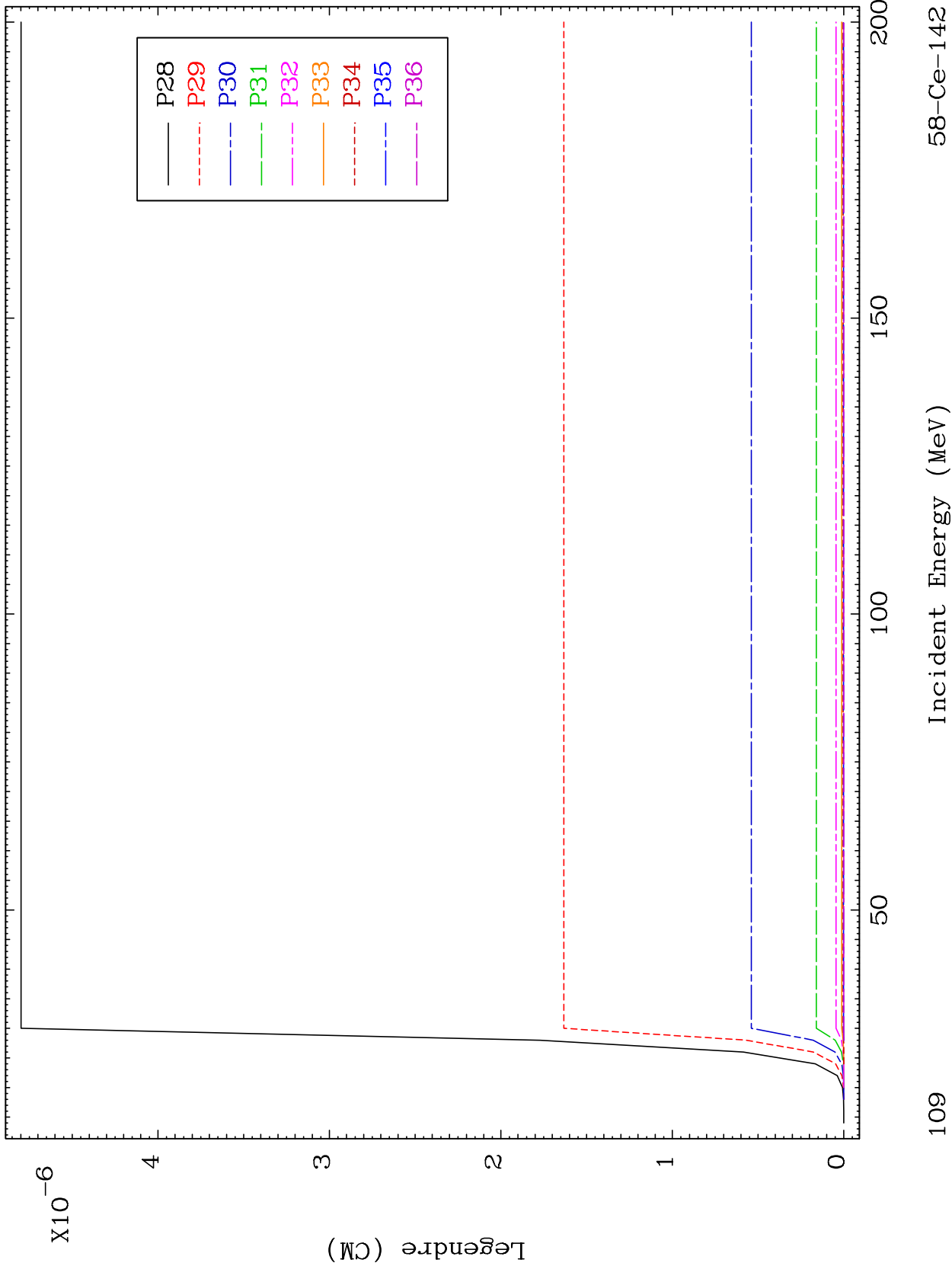
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.557 MeV (n, n') Level
Legendre Coefficients

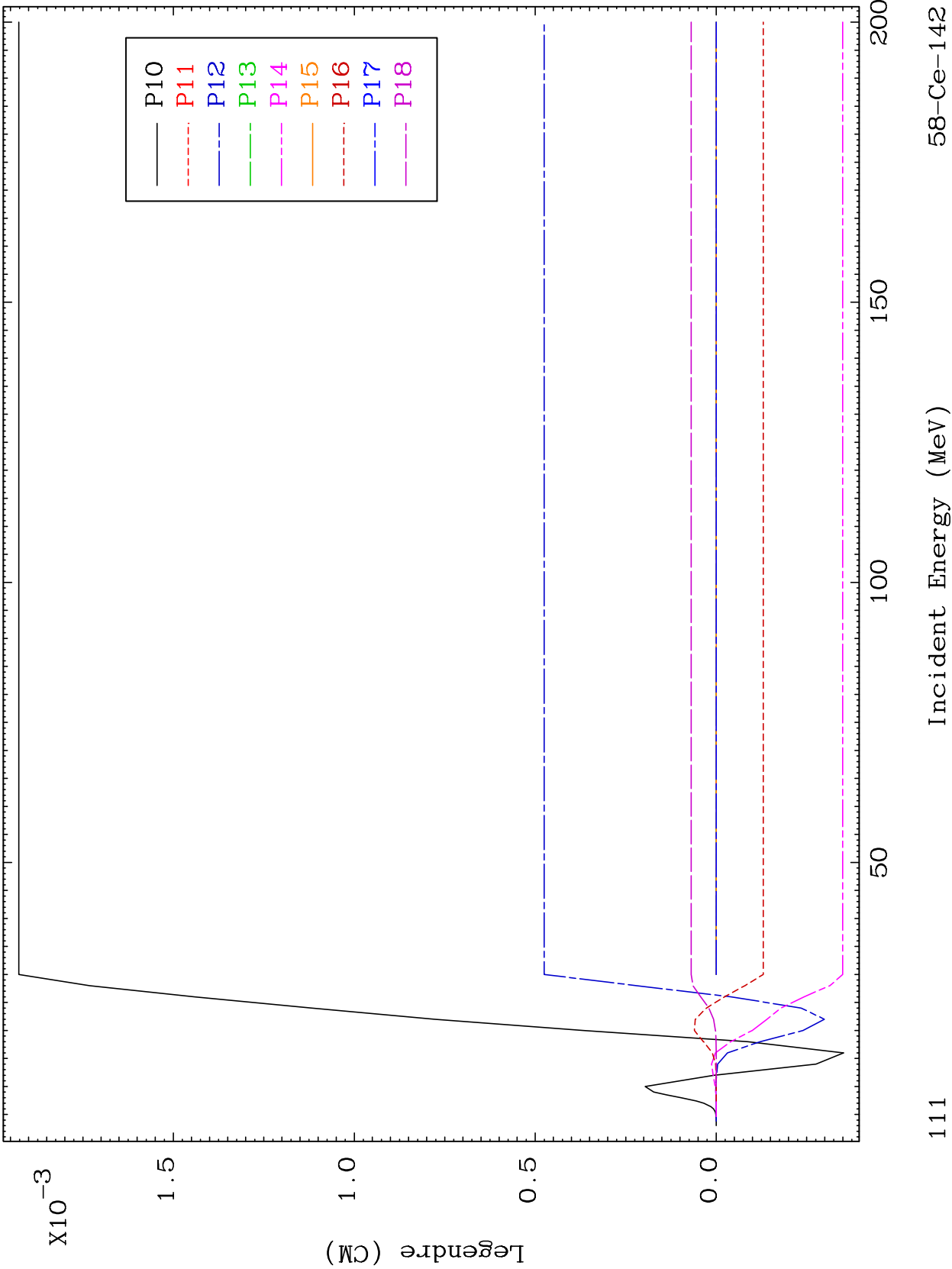
58-Ce-142



MAT 5843

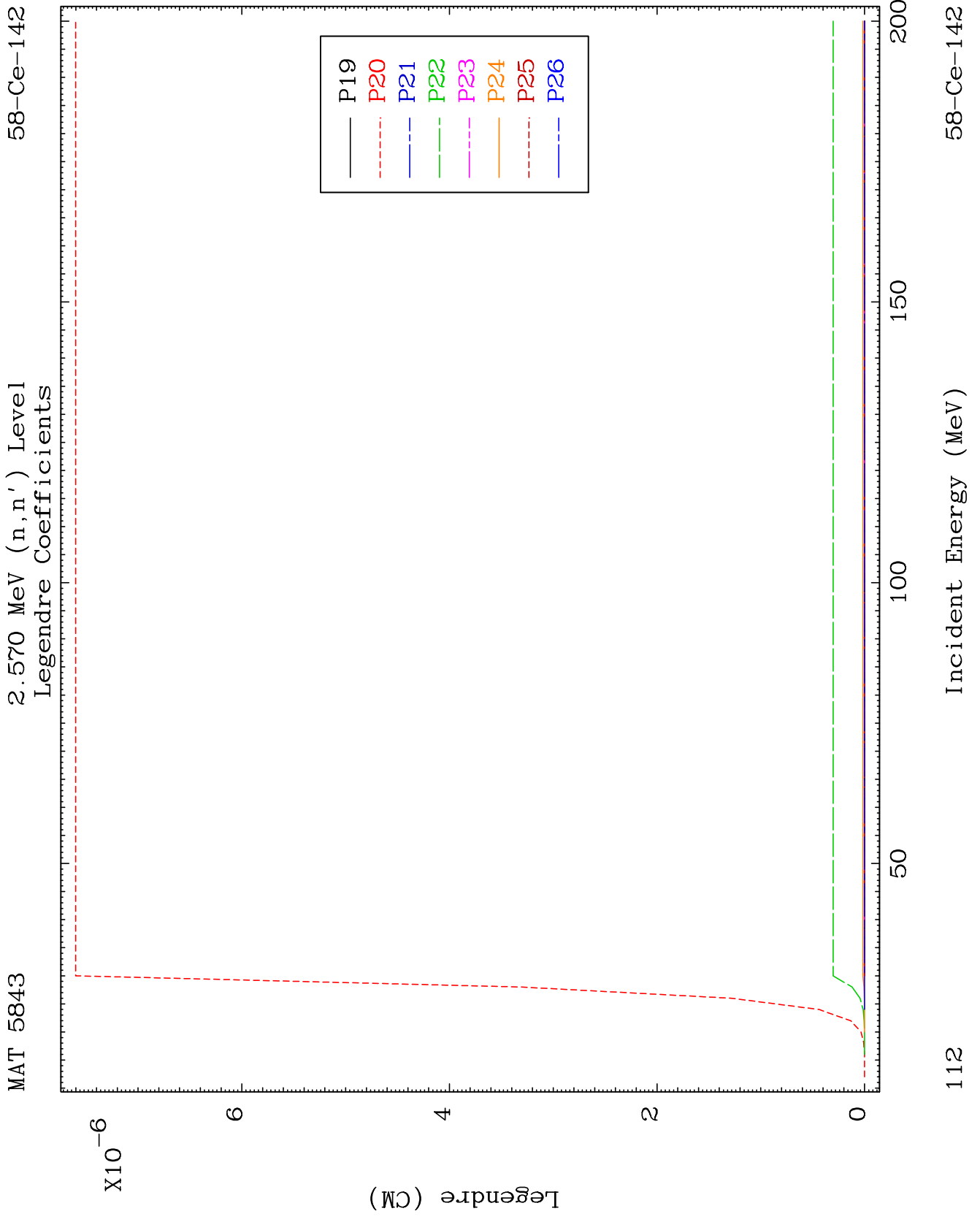
2.570 MeV (n, n') Level
Legendre Coefficients

58-Ce-142



111

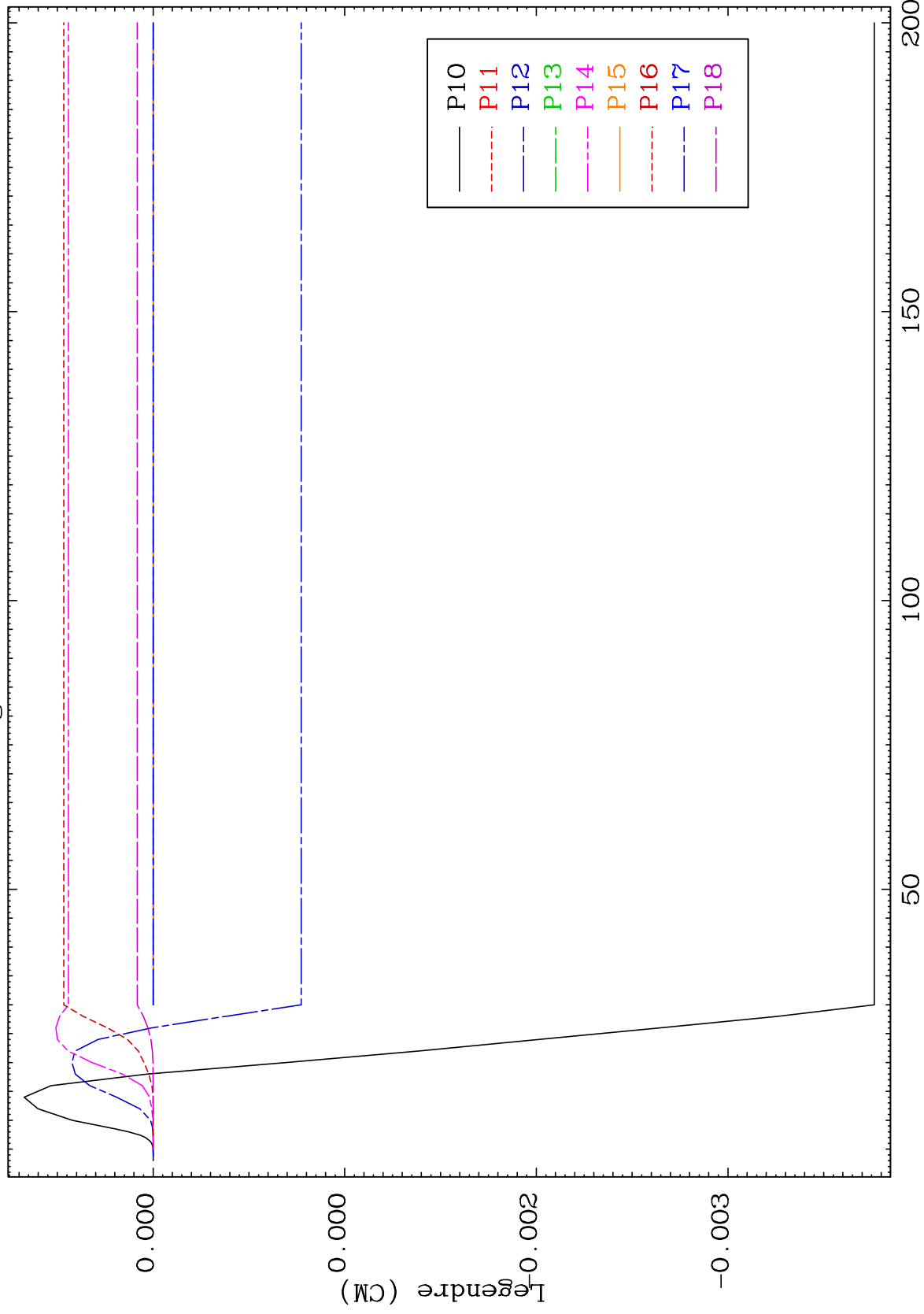
58-Ce-142



MAT 5843

2.576 MeV (n,n') Level
Legendre Coefficients

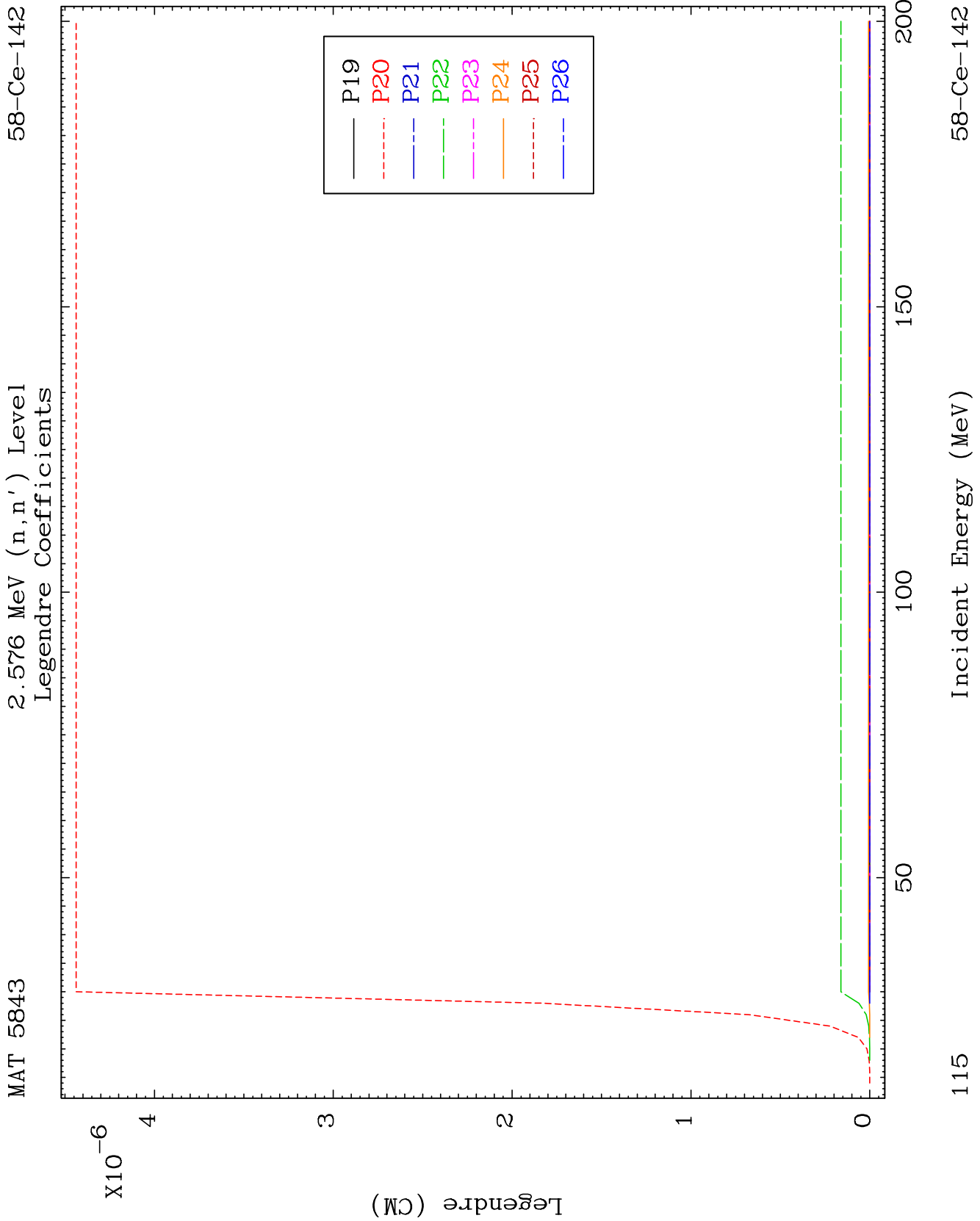
58-Ce-142



114

Incident Energy (MeV)

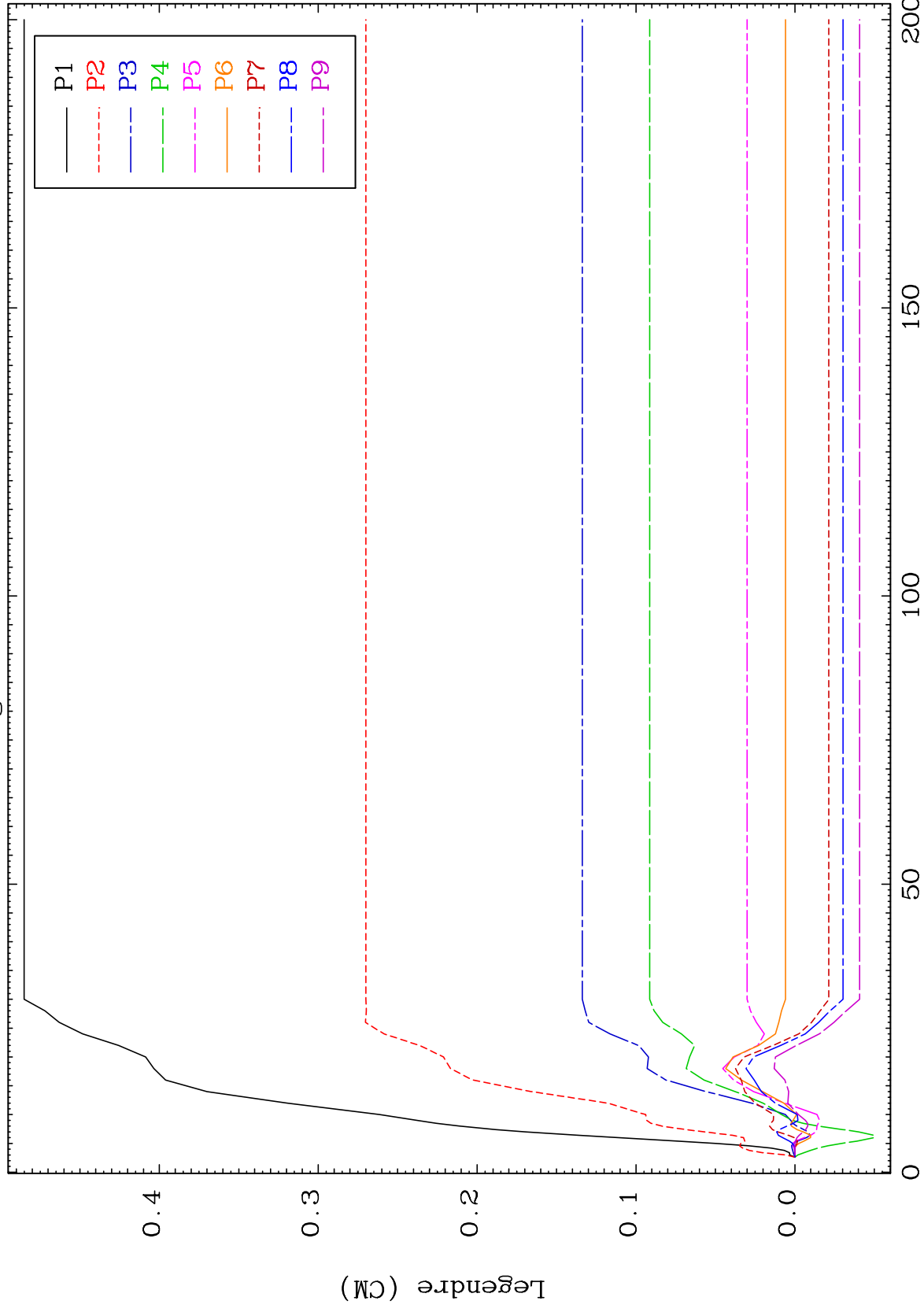
58-Ce-142



MAT 5843

2.591 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



116

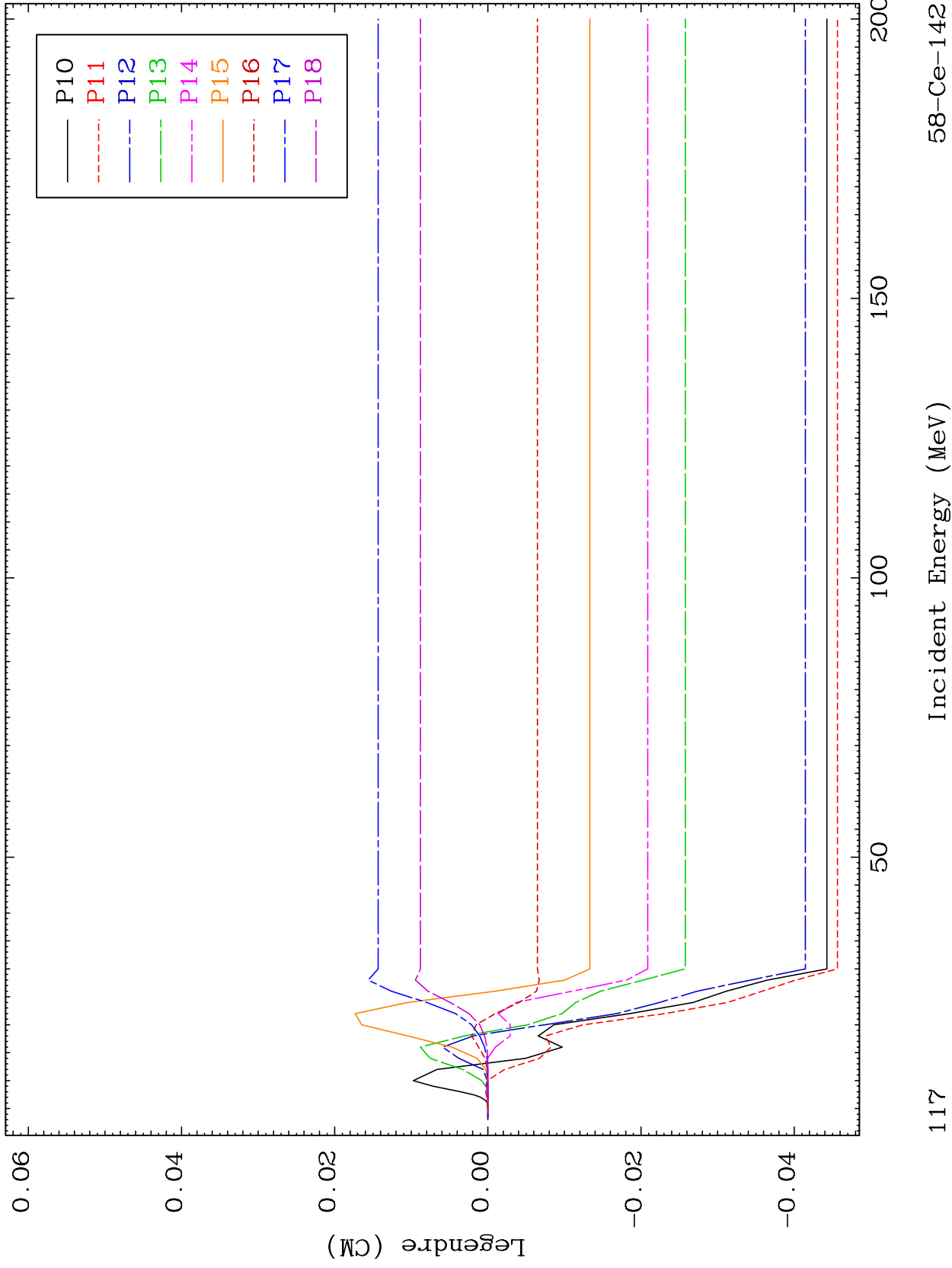
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.591 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



117

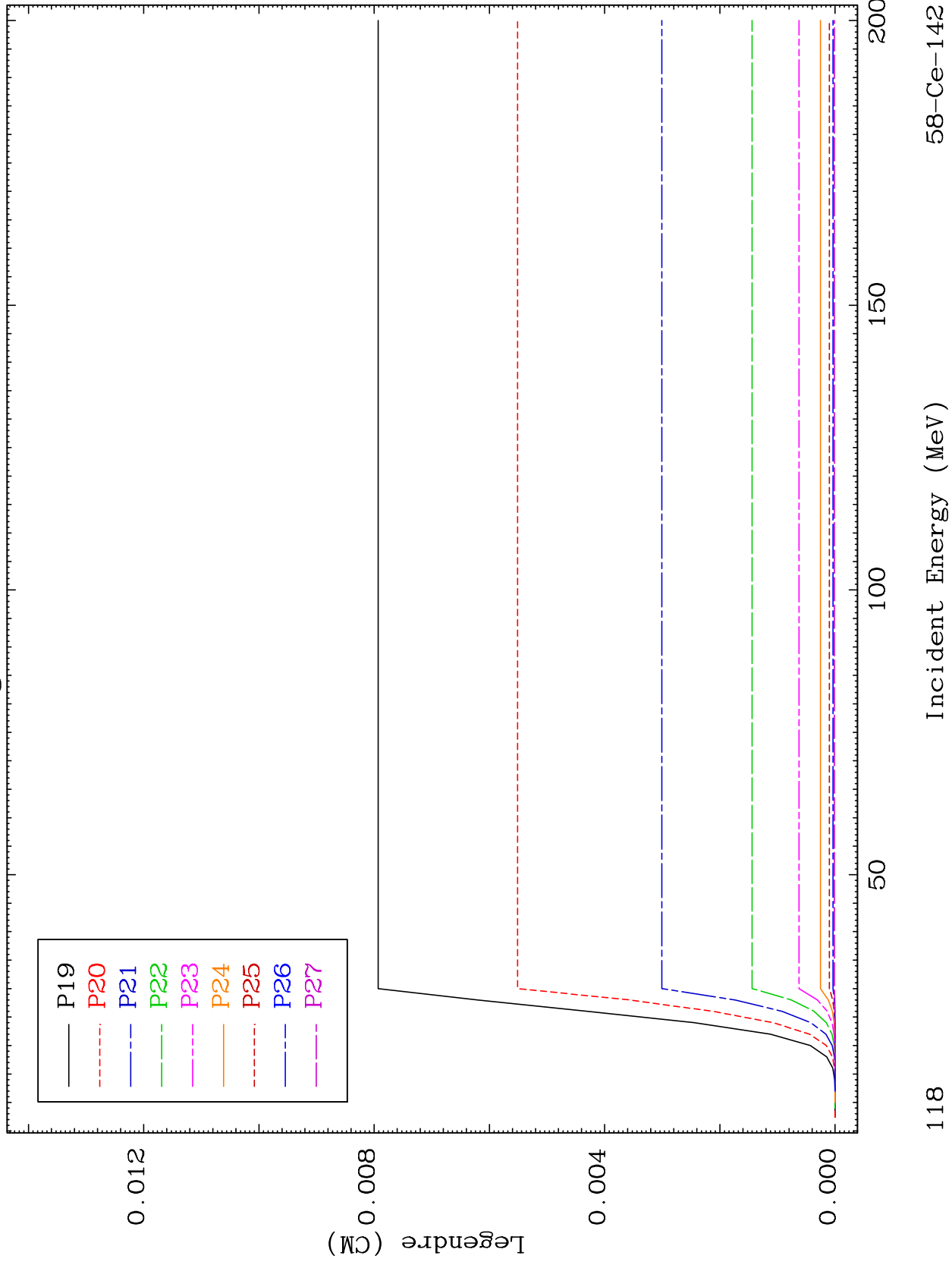
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.591 MeV (n, n') Level
Legendre Coefficients

58-Ce-142



118

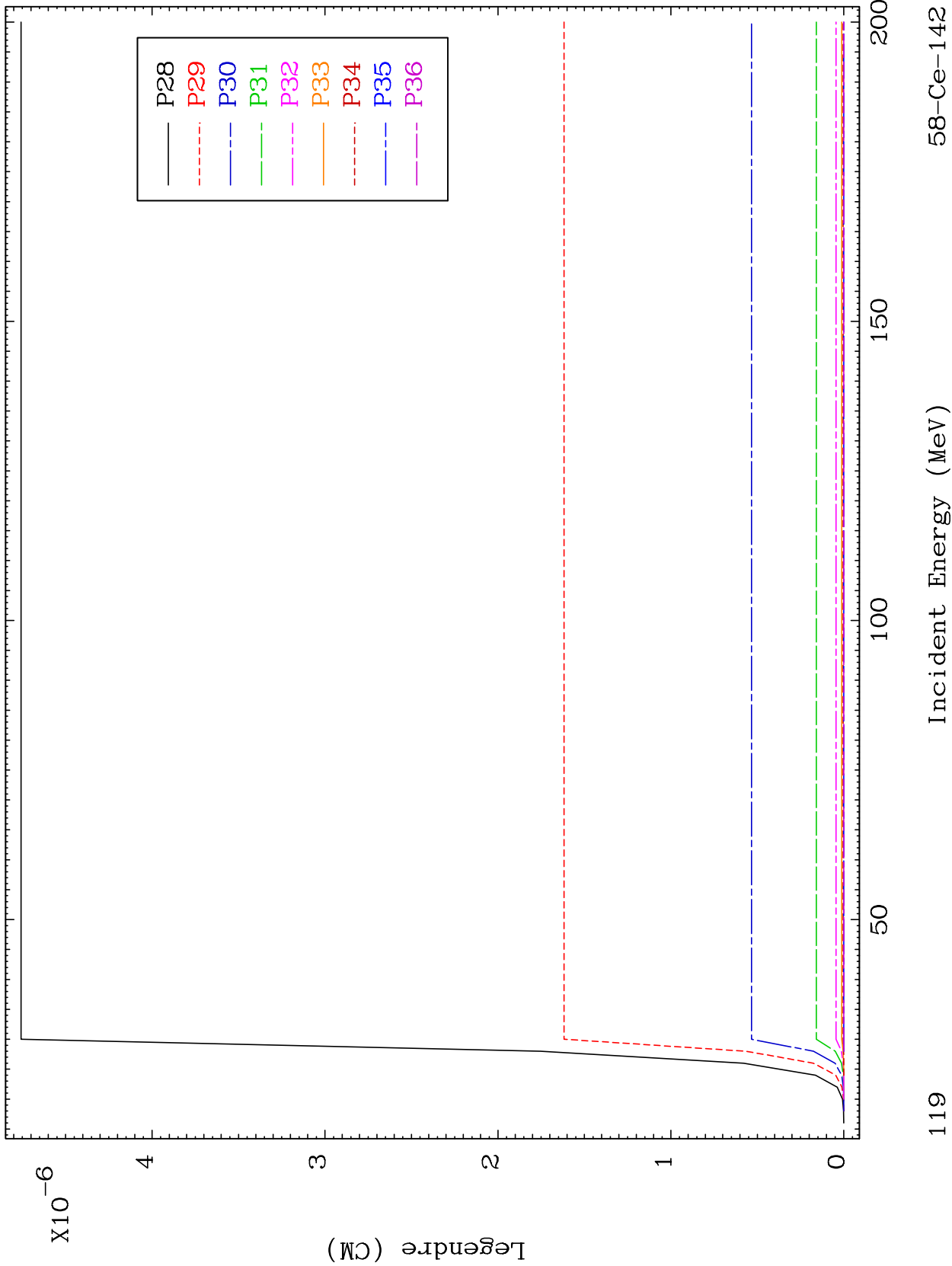
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.591 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



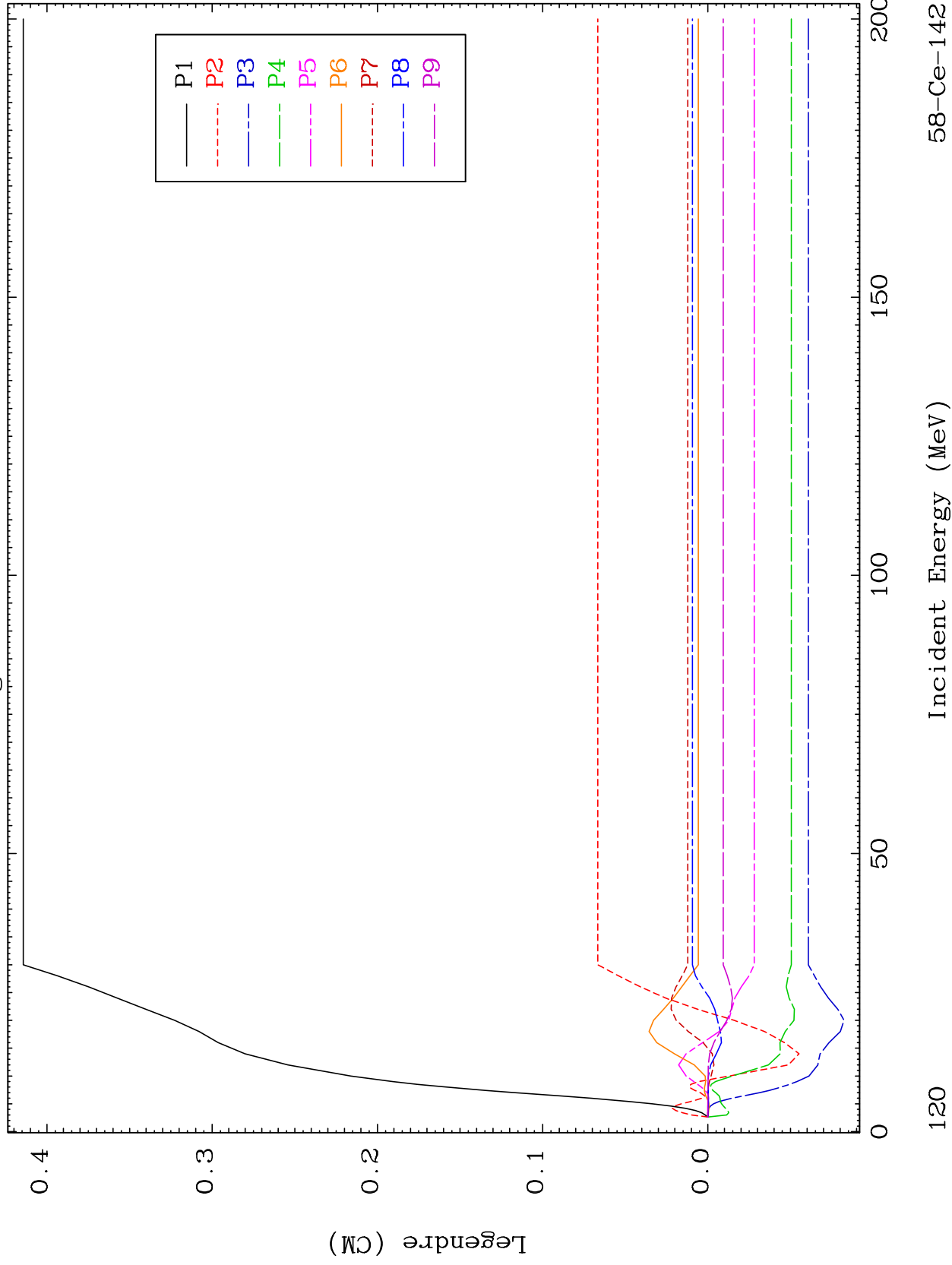
119

58-Ce-142

MAT 5843

2.592 MeV (n,n') Level
Legendre Coefficients

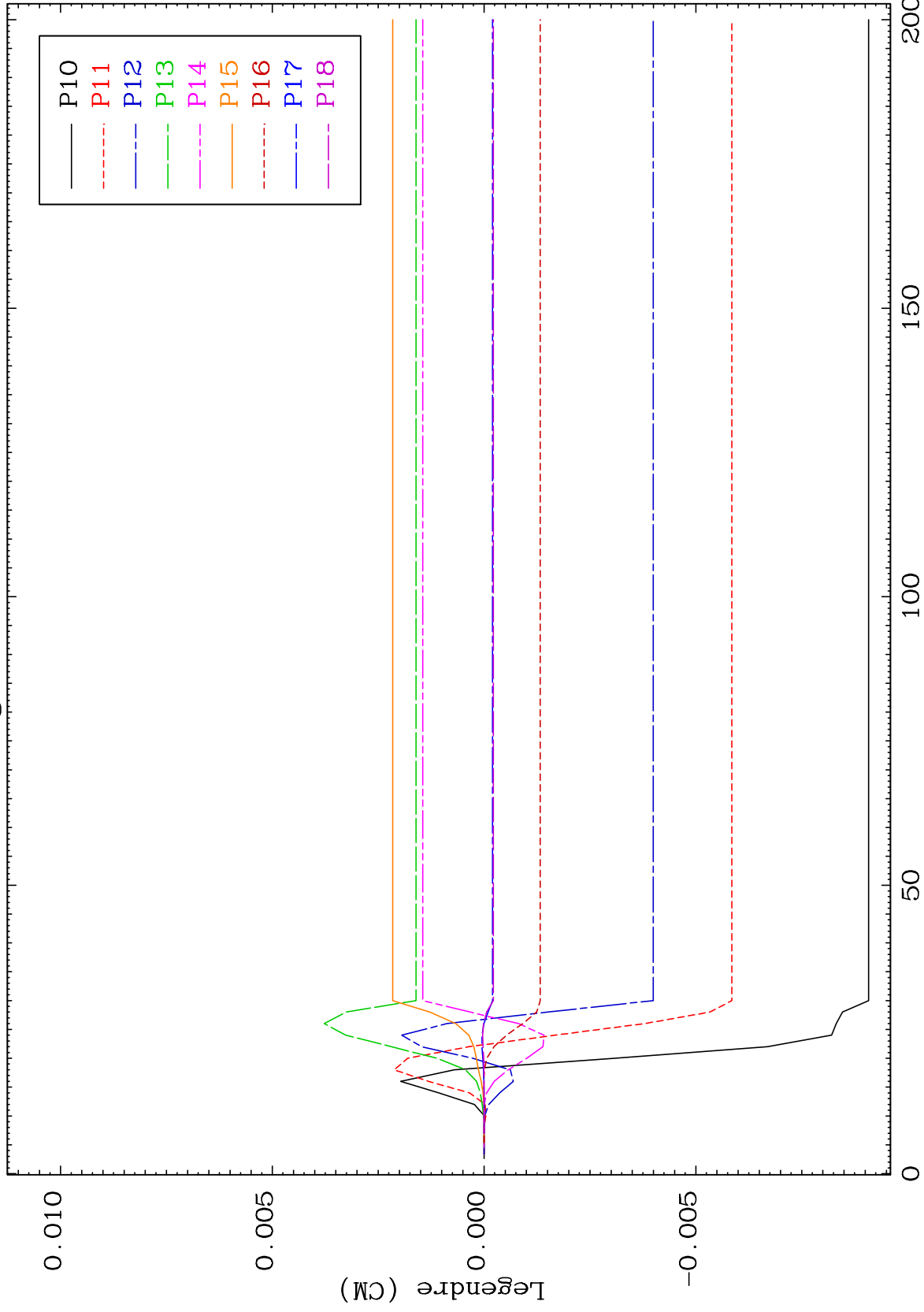
58-Ce-142



MAT 5843

2.592 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



121

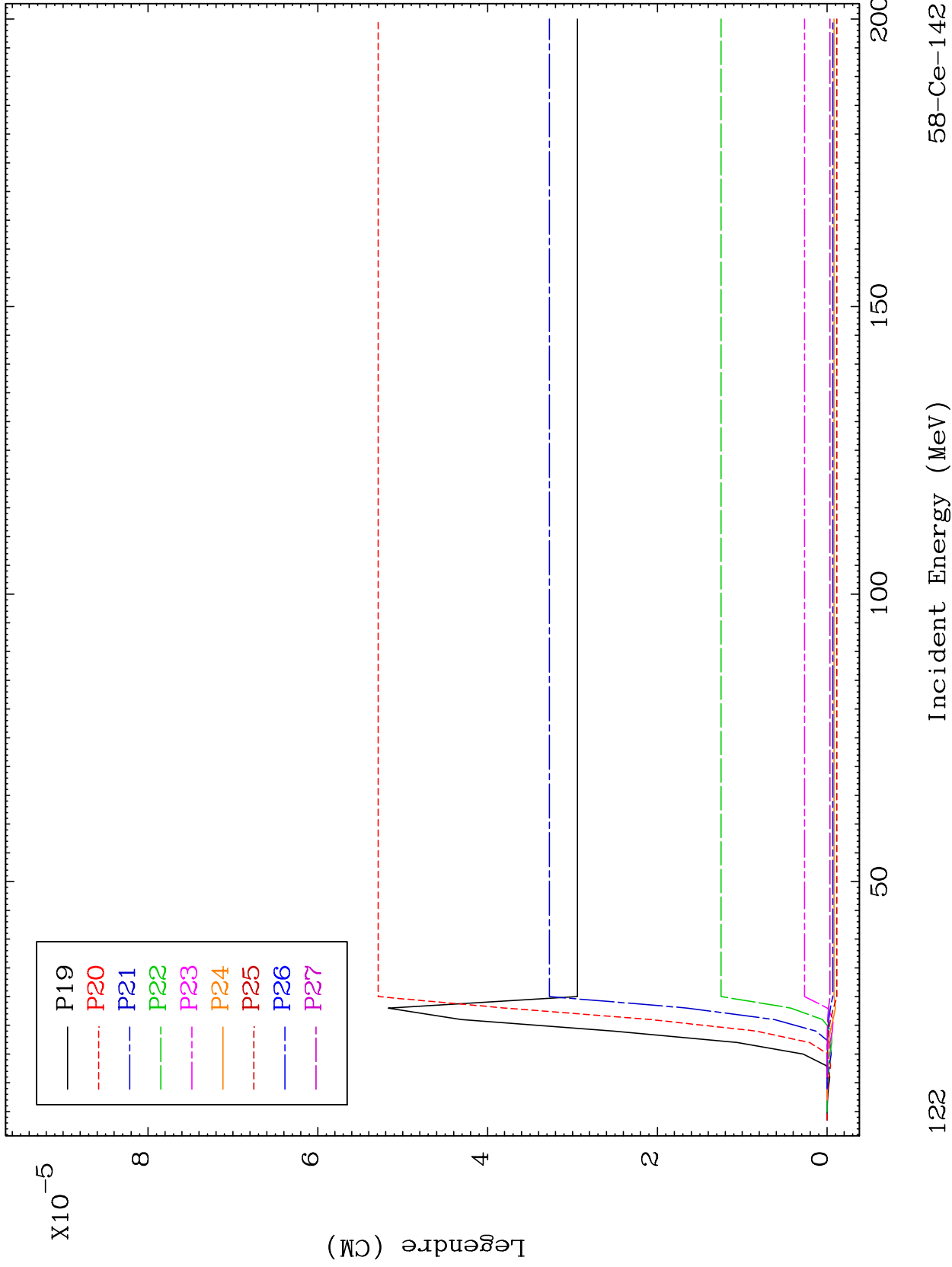
Incident Energy (MeV)

58-Ce-142

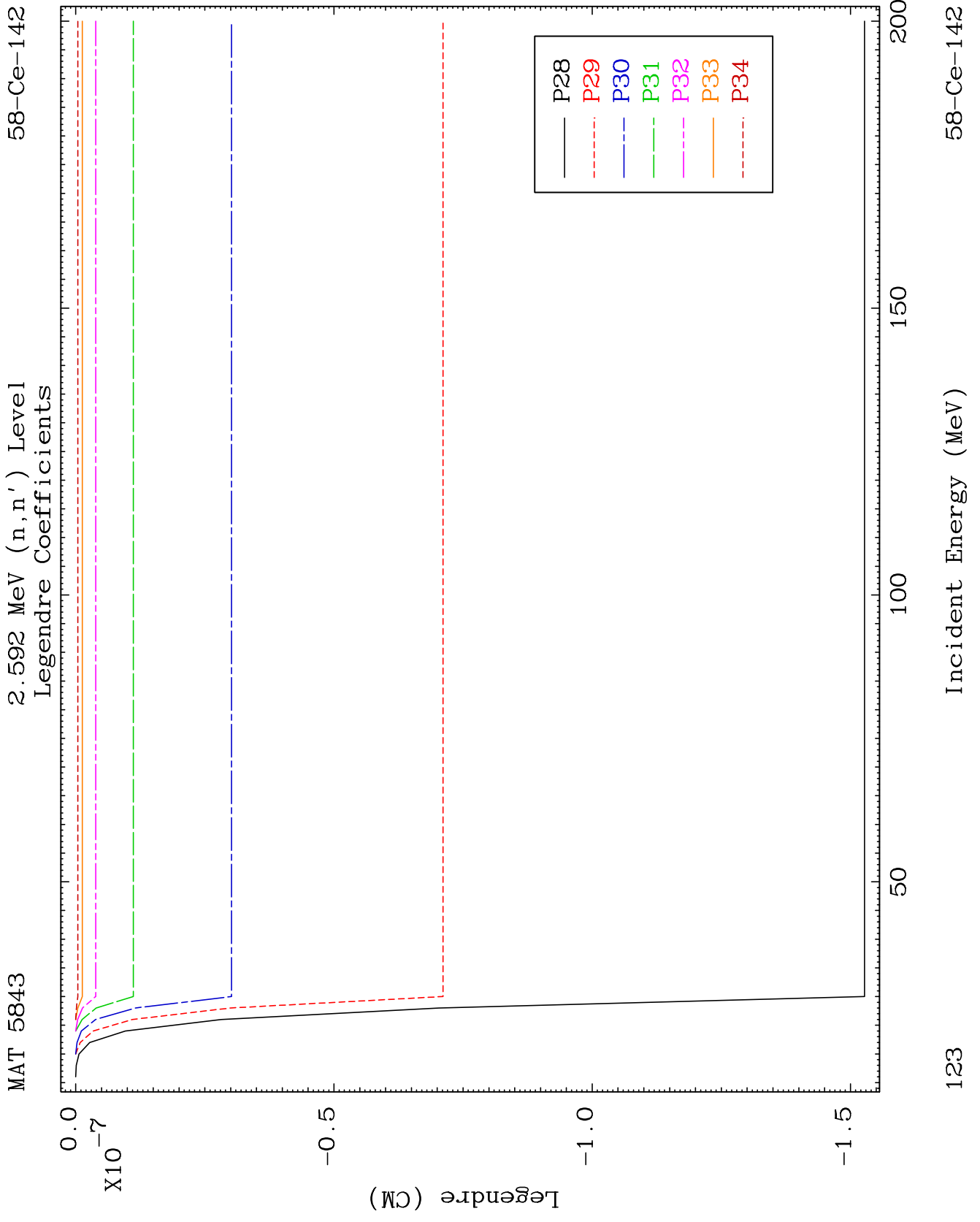
MAT 5843

2.592 MeV (n, n') Level
Legendre Coefficients

58-Ce-142



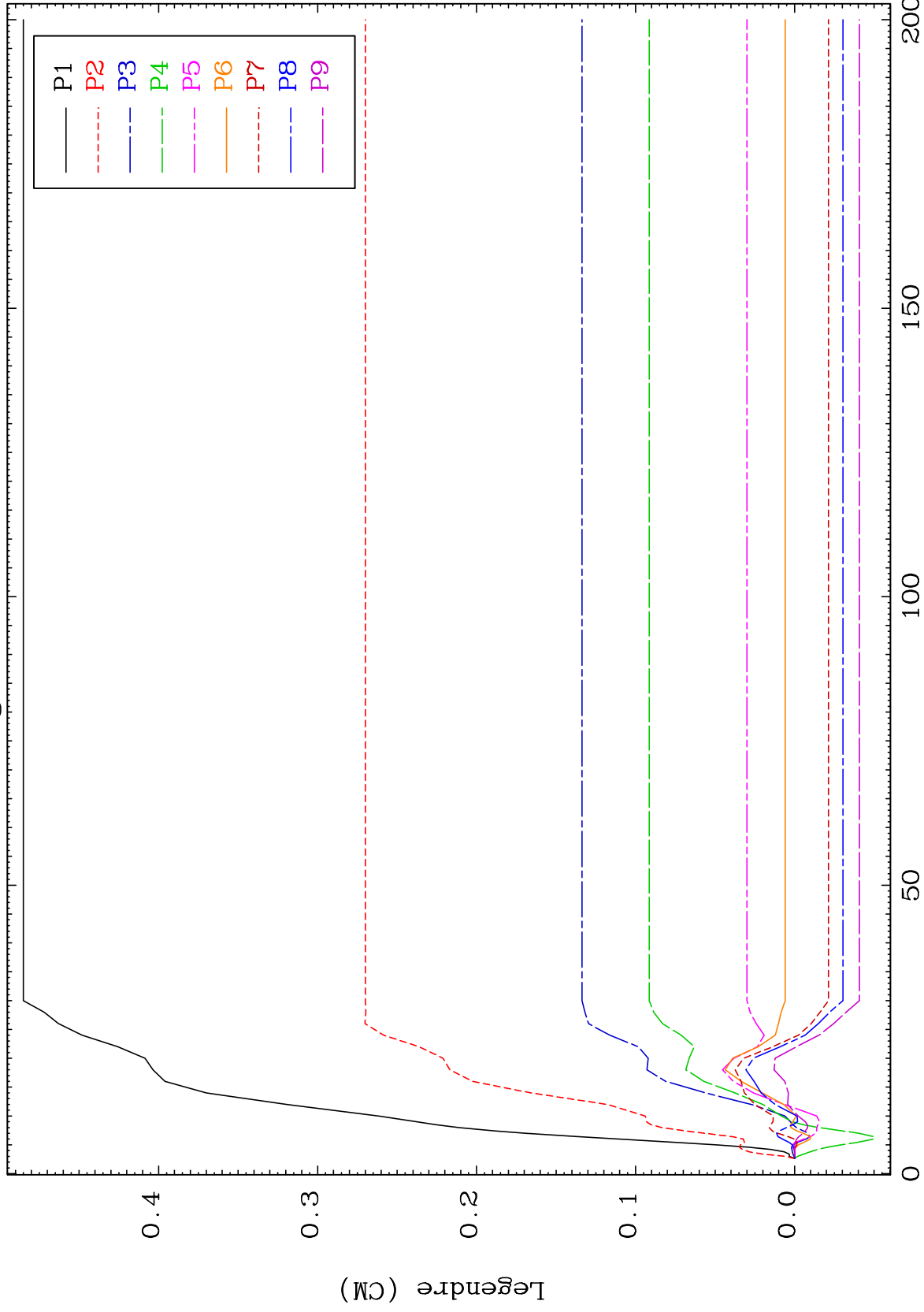
122



MAT 5843

2.598 MeV (n,n') Level
Legendre Coefficients

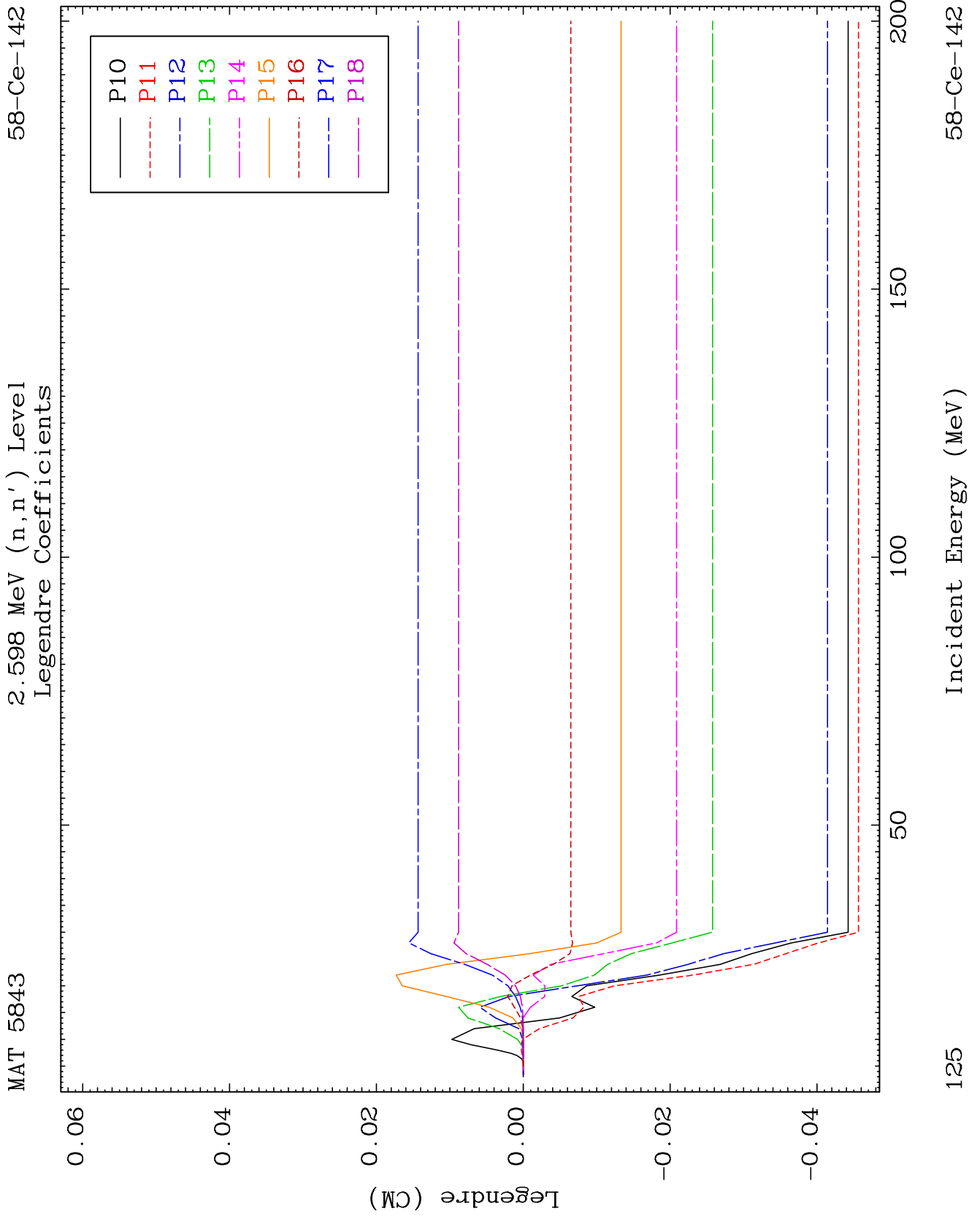
58-Ce-142



124

Incident Energy (MeV)

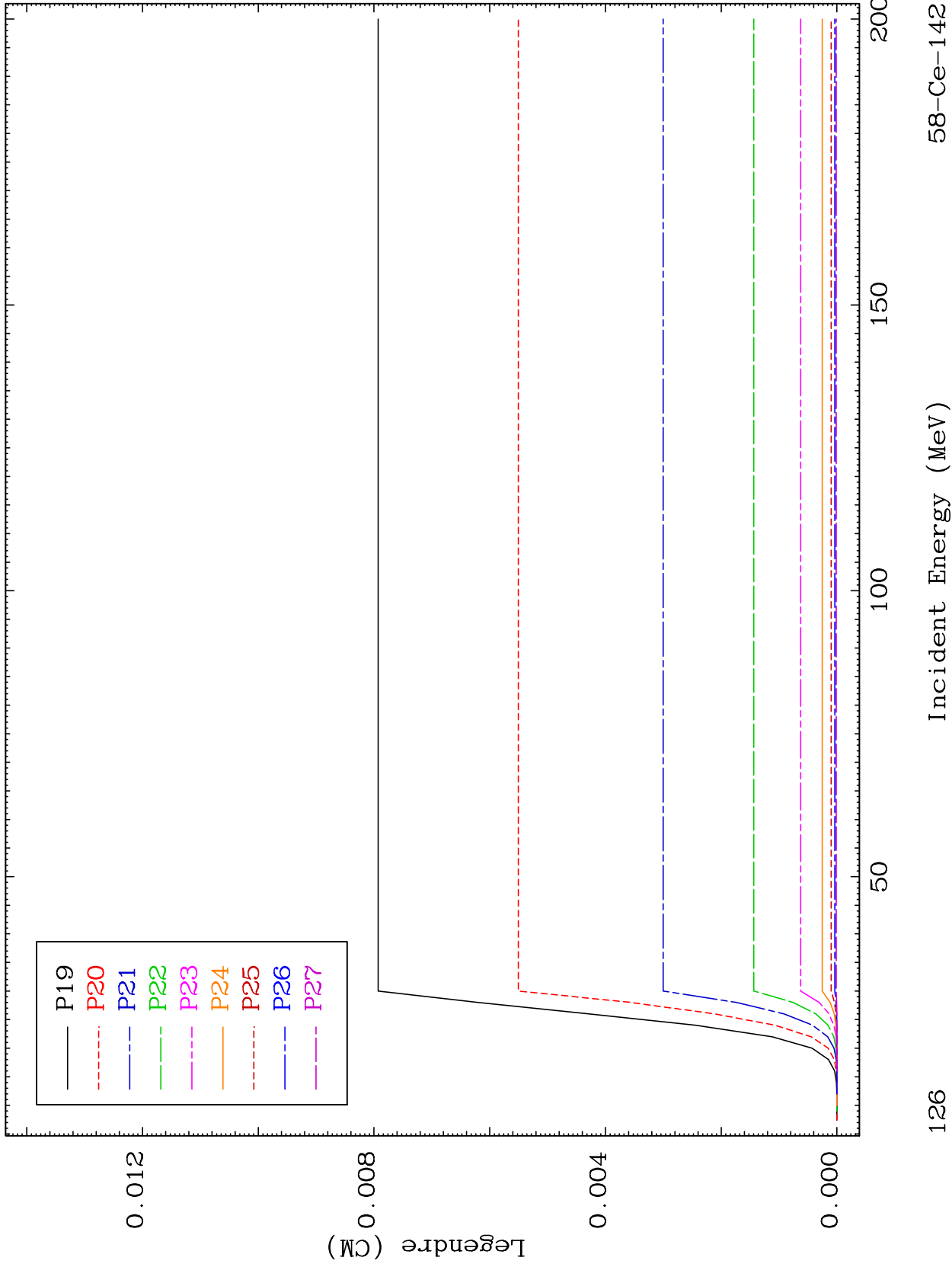
58-Ce-142



MAT 5843

2.598 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



126

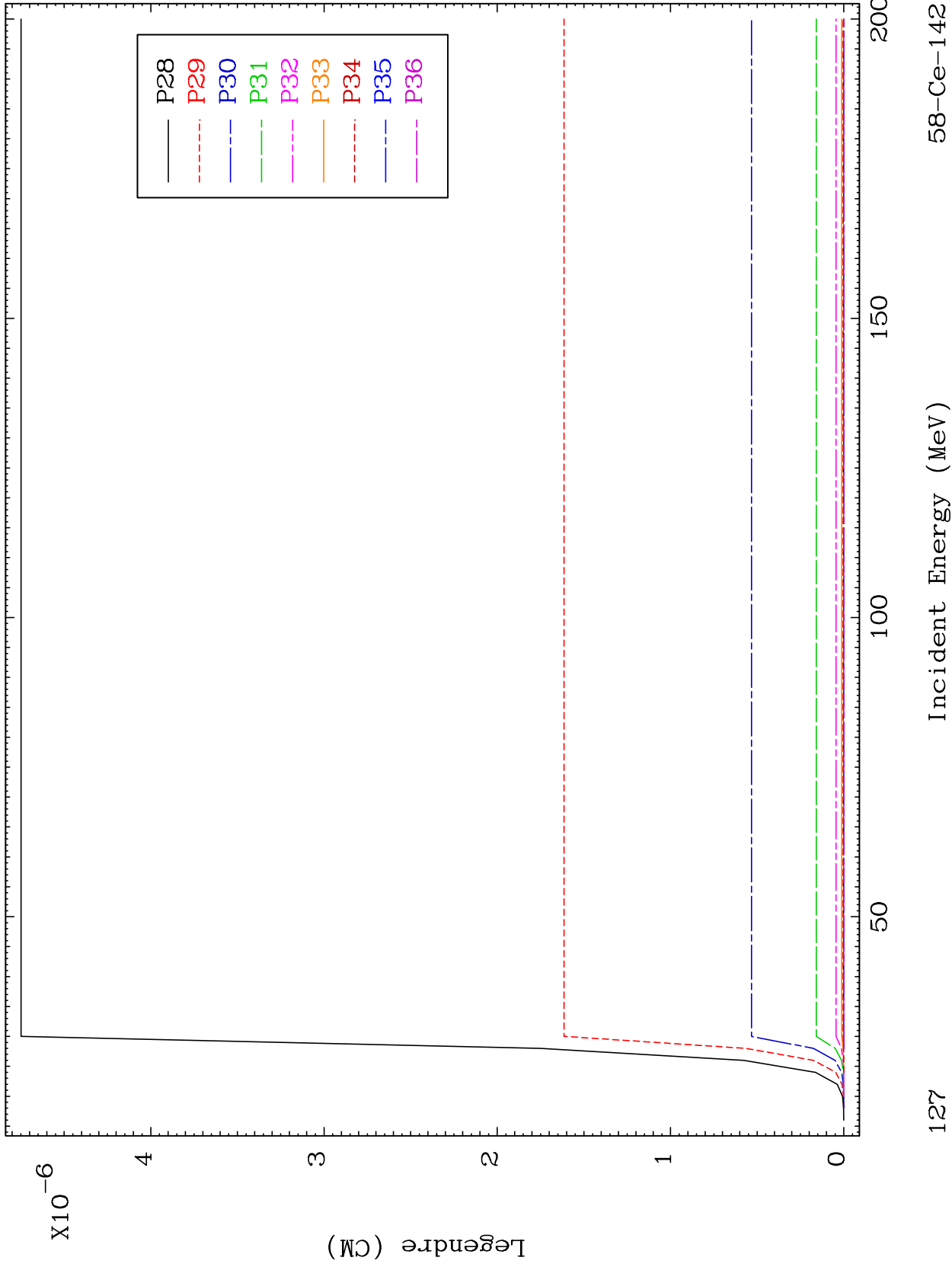
Incident Energy (MeV)

58-Ce-142

MAT 5843

2.598 MeV (n,n') Level
Legendre Coefficients

58-Ce-142

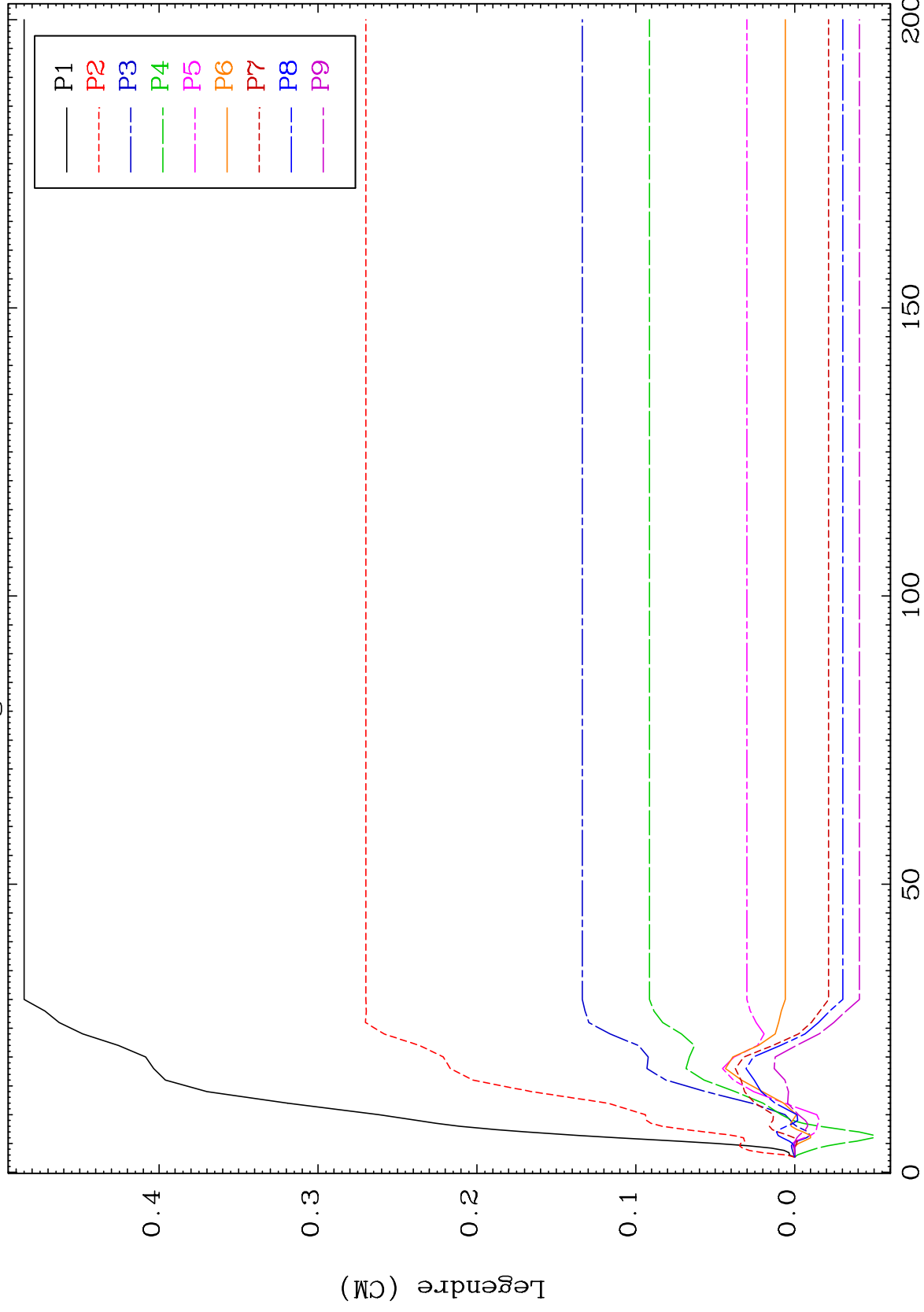


127

MAT 5843

2.603 MeV (n,n') Level
Legendre Coefficients

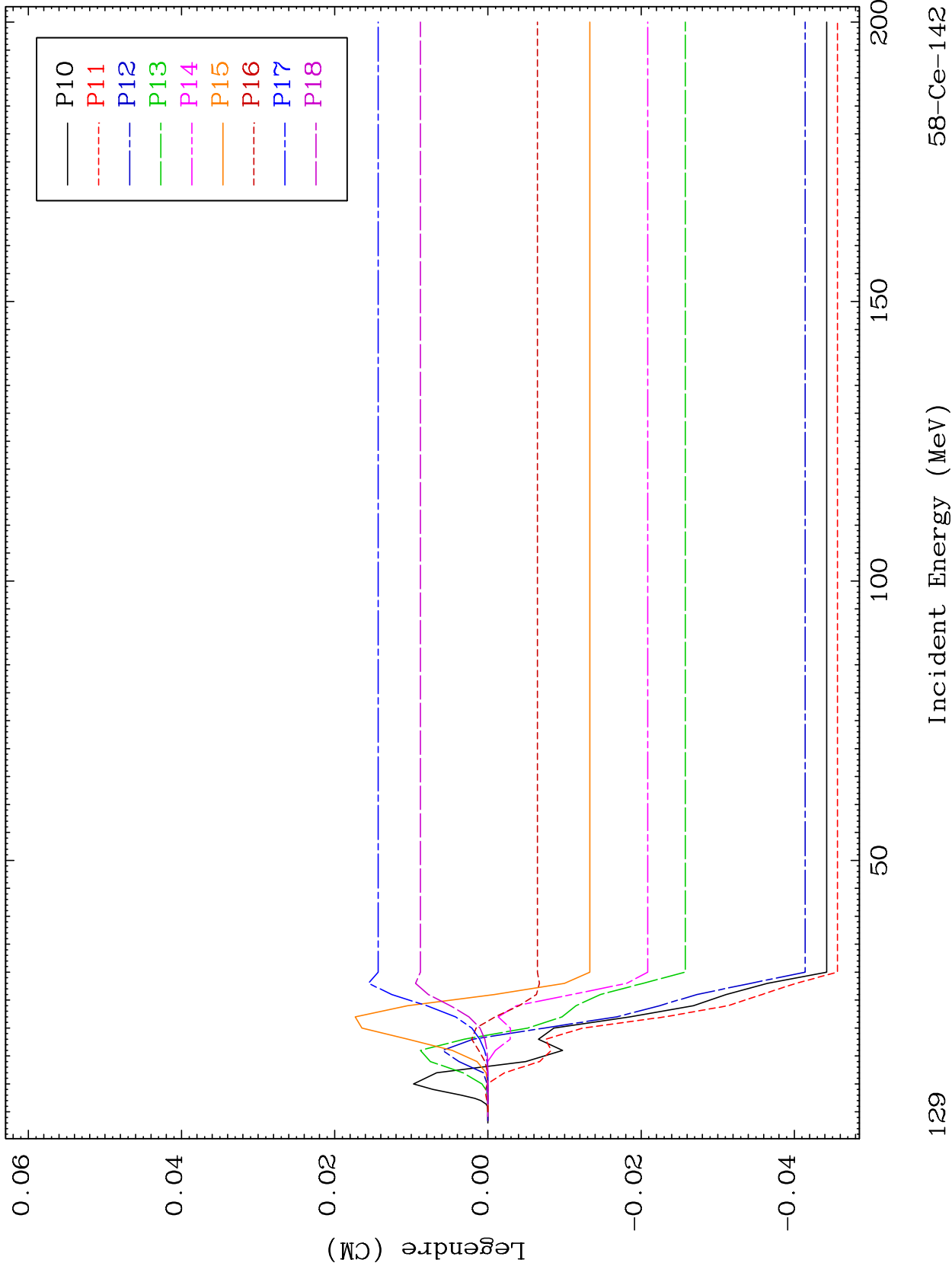
58-Ce-142



128

Incident Energy (MeV)

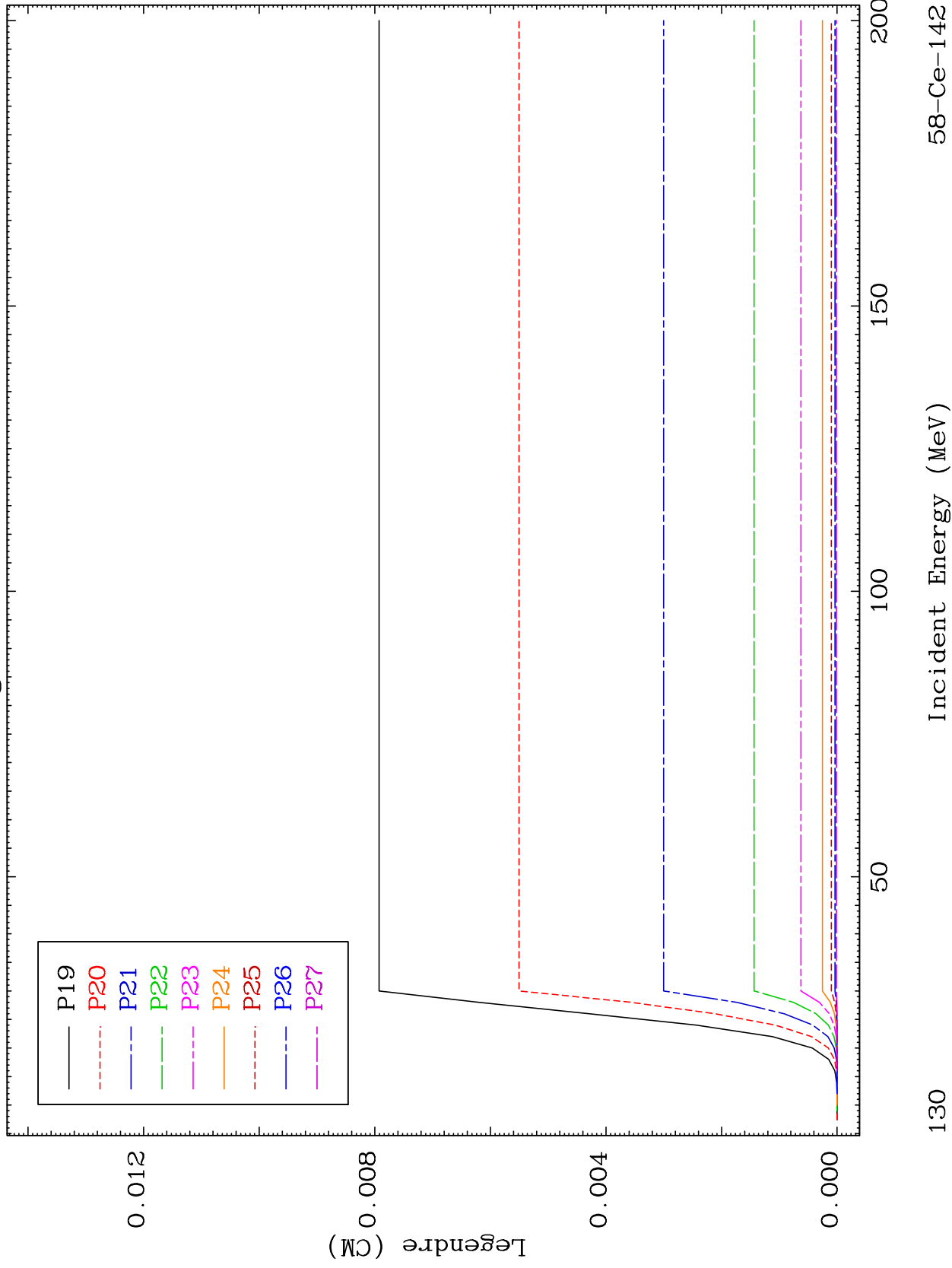
58-Ce-142



MAT 5843

2.603 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



58-Ce-142

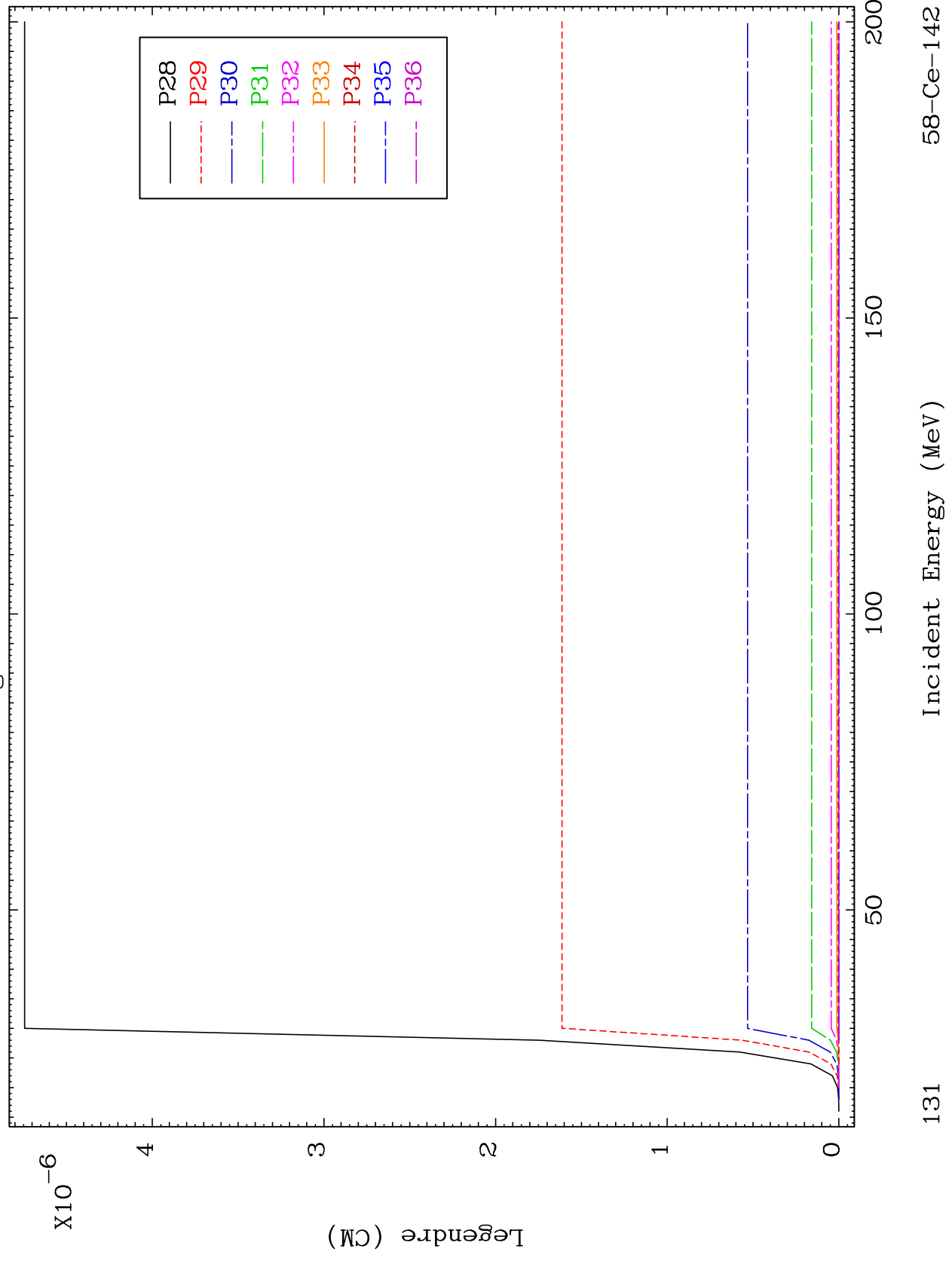
Incident Energy (MeV)

130

MAT 5843

2.603 MeV (n,n') Level
Legendre Coefficients

58-Ce-142



131

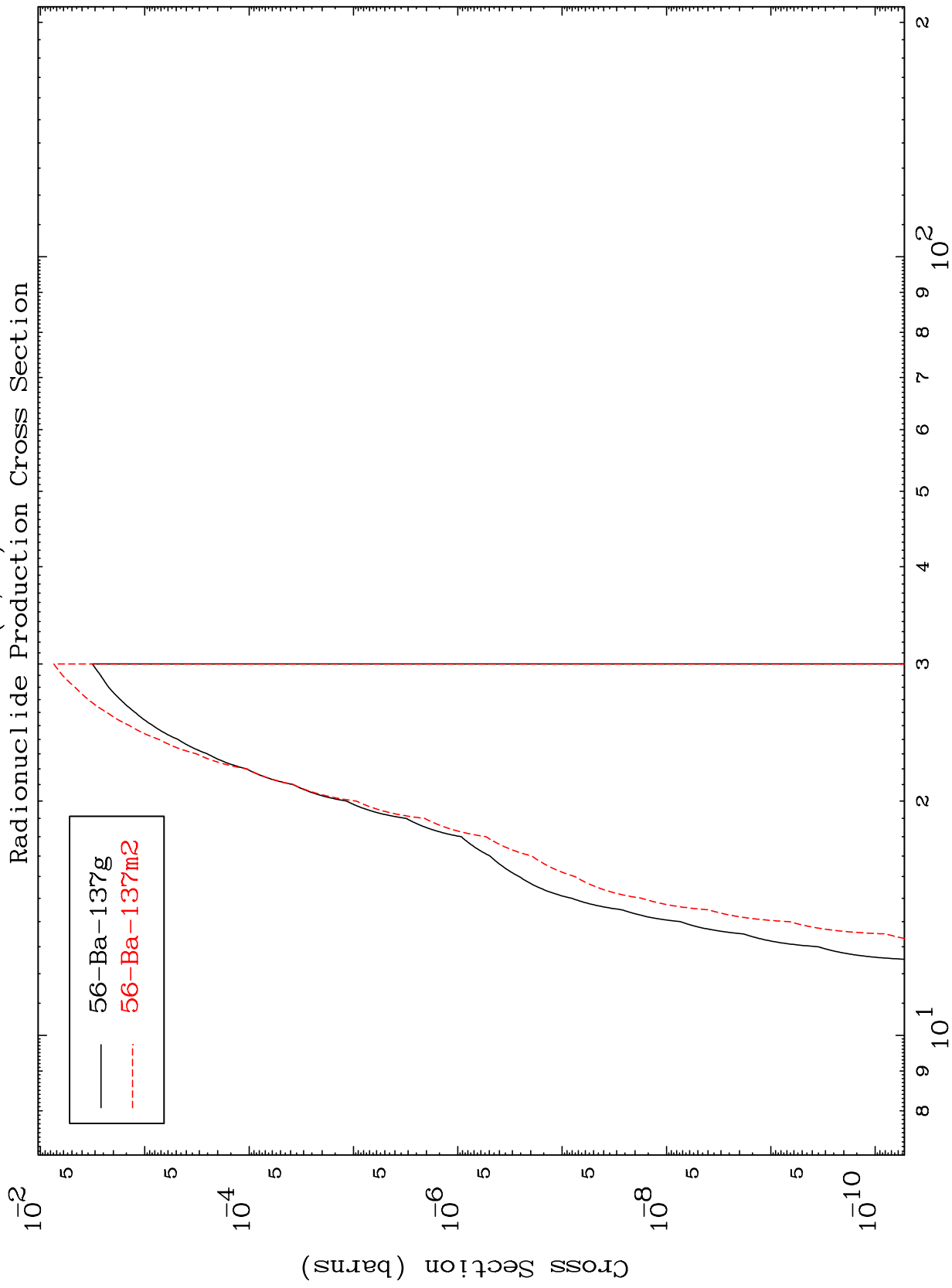
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,2n) α

58-Ce-142



132

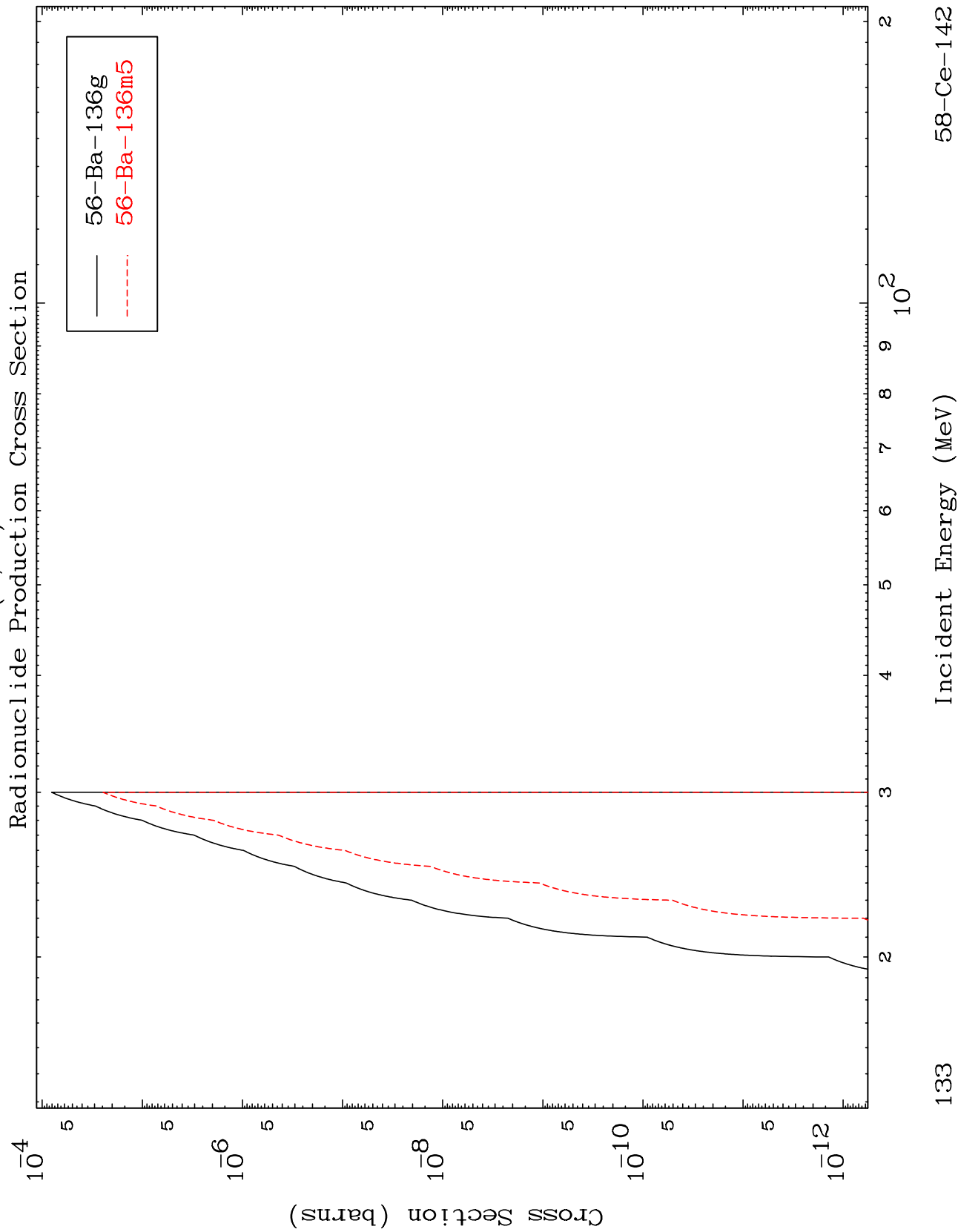
Incident Energy (MeV)

58-Ce-142

MAT 5843

(n,3n) α

58-Ce-142



133

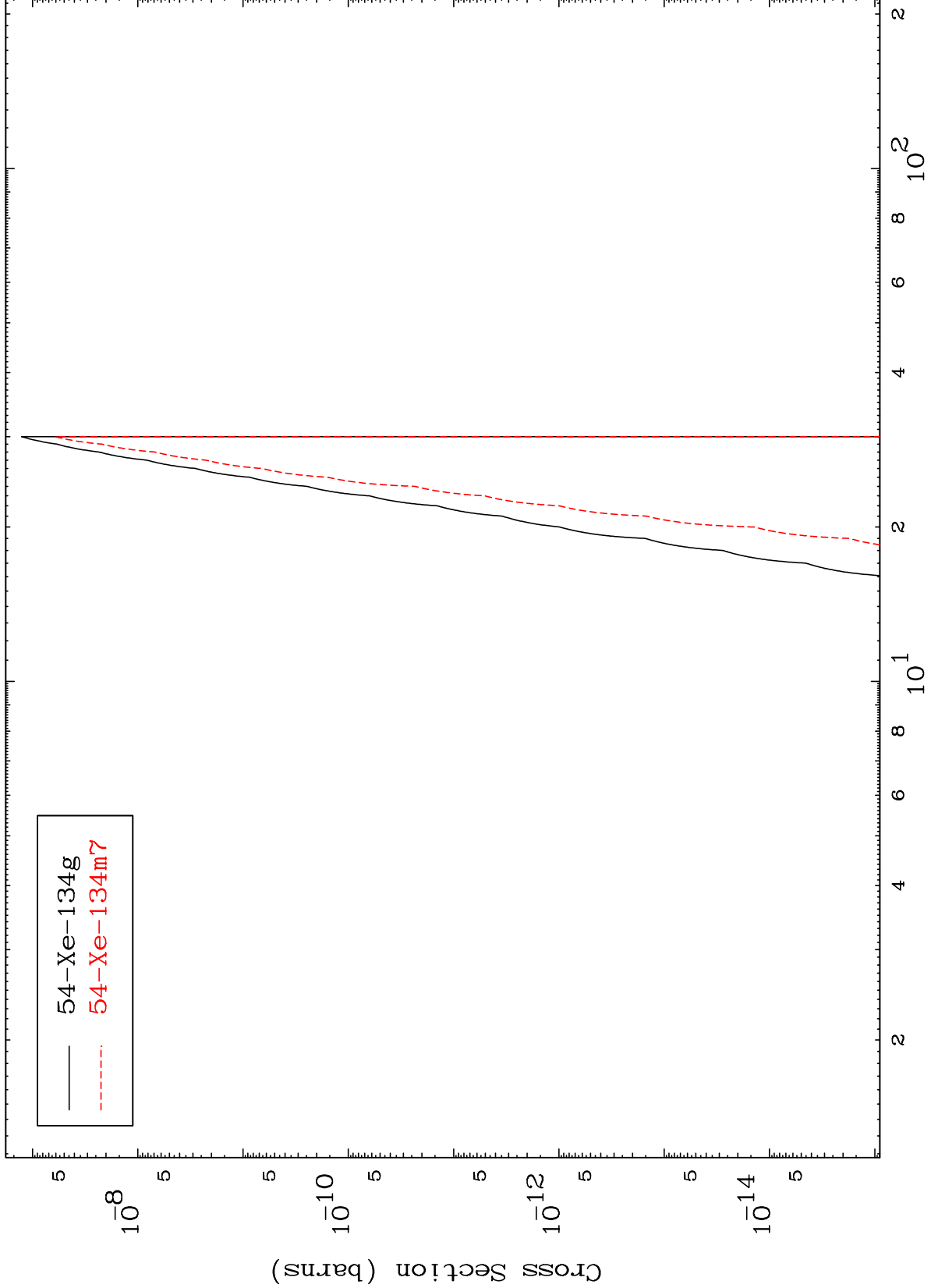
58-Ce-142

MAT 5843

(n,n') 2 α

58-Ce-142

Radionuclide Production Cross Section



134

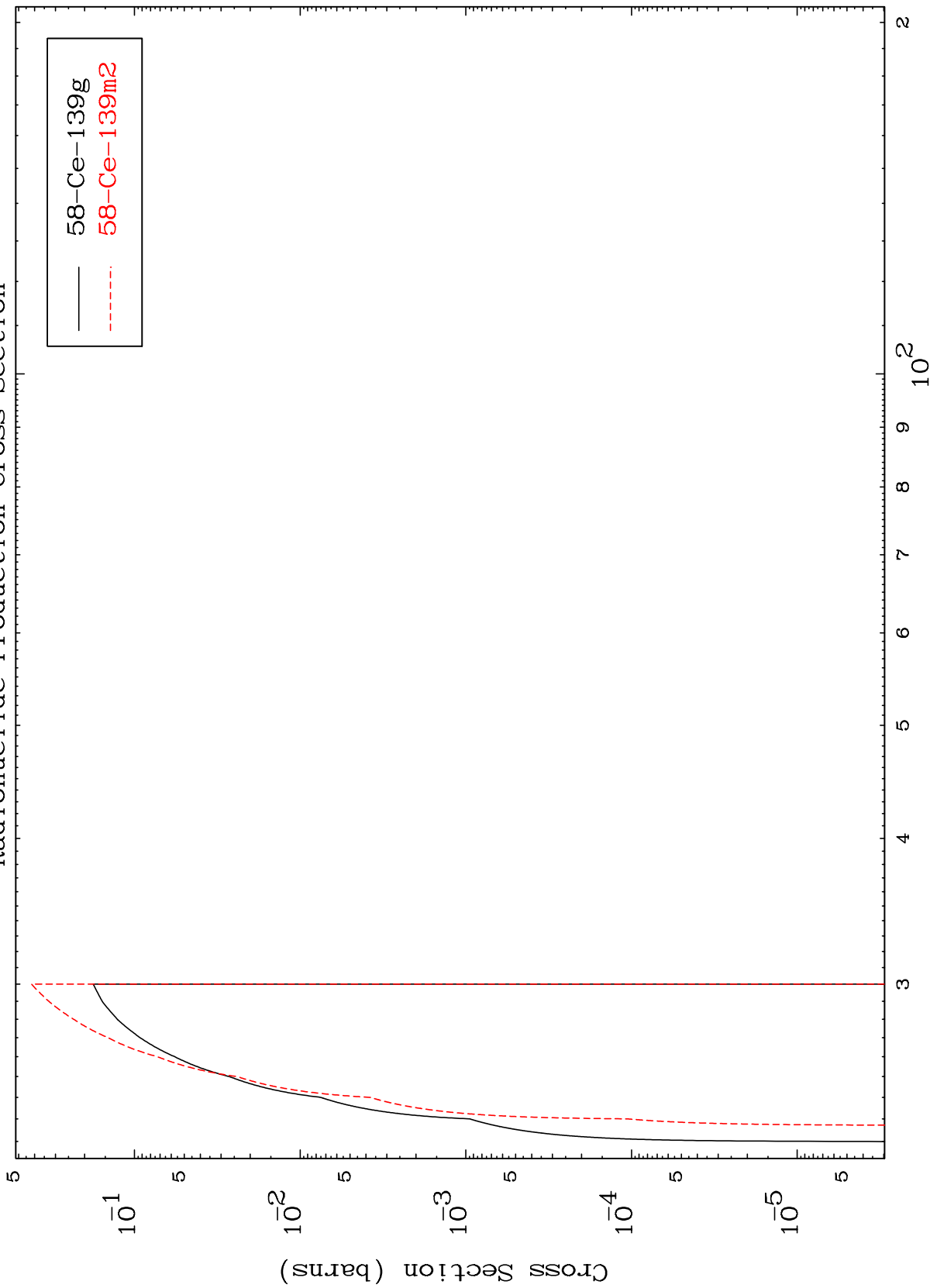
Incident Energy (MeV)

58-Ce-142

MAT 5843

58-Ce-142

(n,4n)
Radionuclide Production Cross Section



135

58-Ce-142

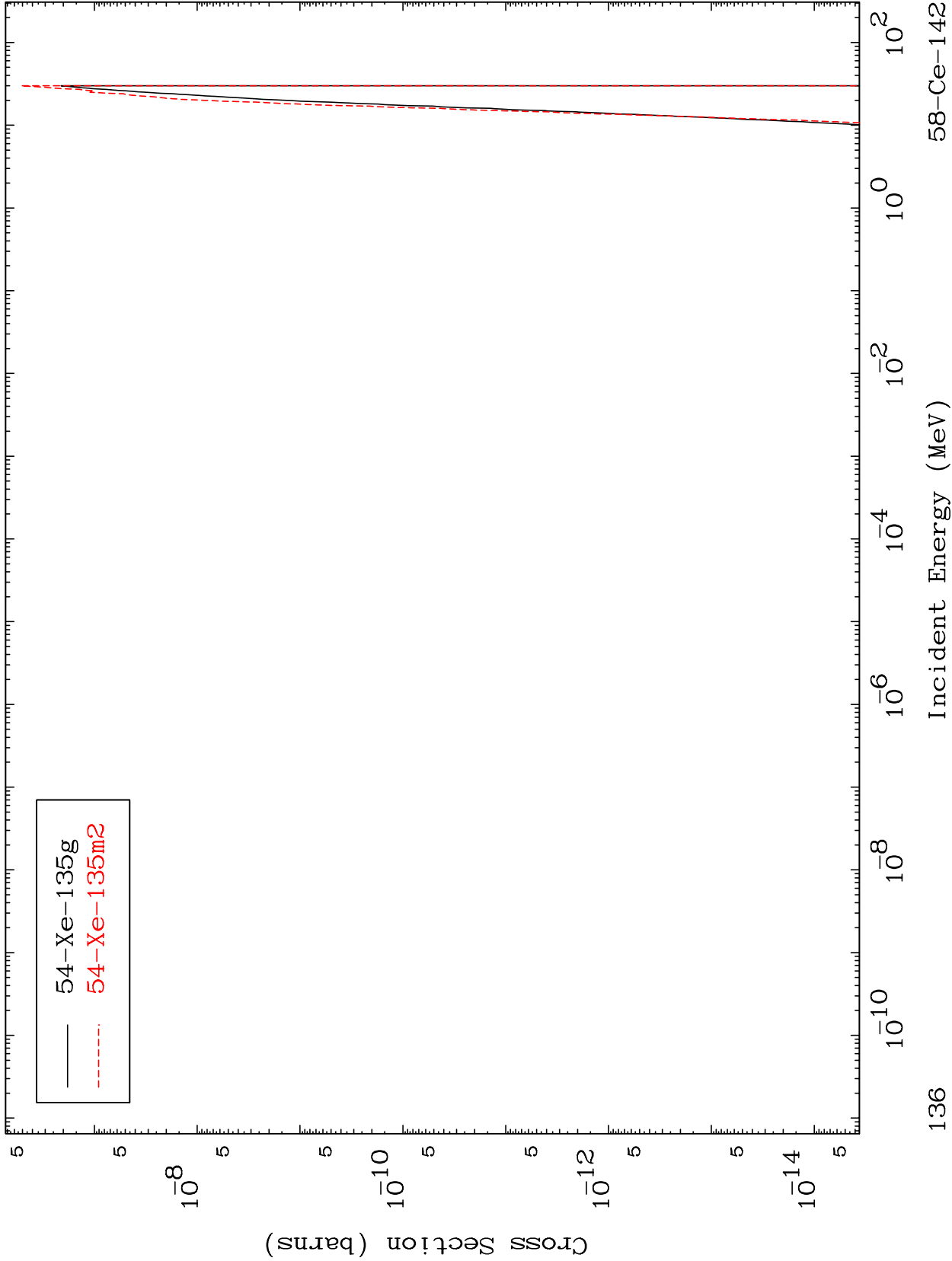
Incident Energy (MeV)

MAT 5843

(n,2α)

58-Ce-142

Radionuclide Production Cross Section



136

Incident Energy (MeV)

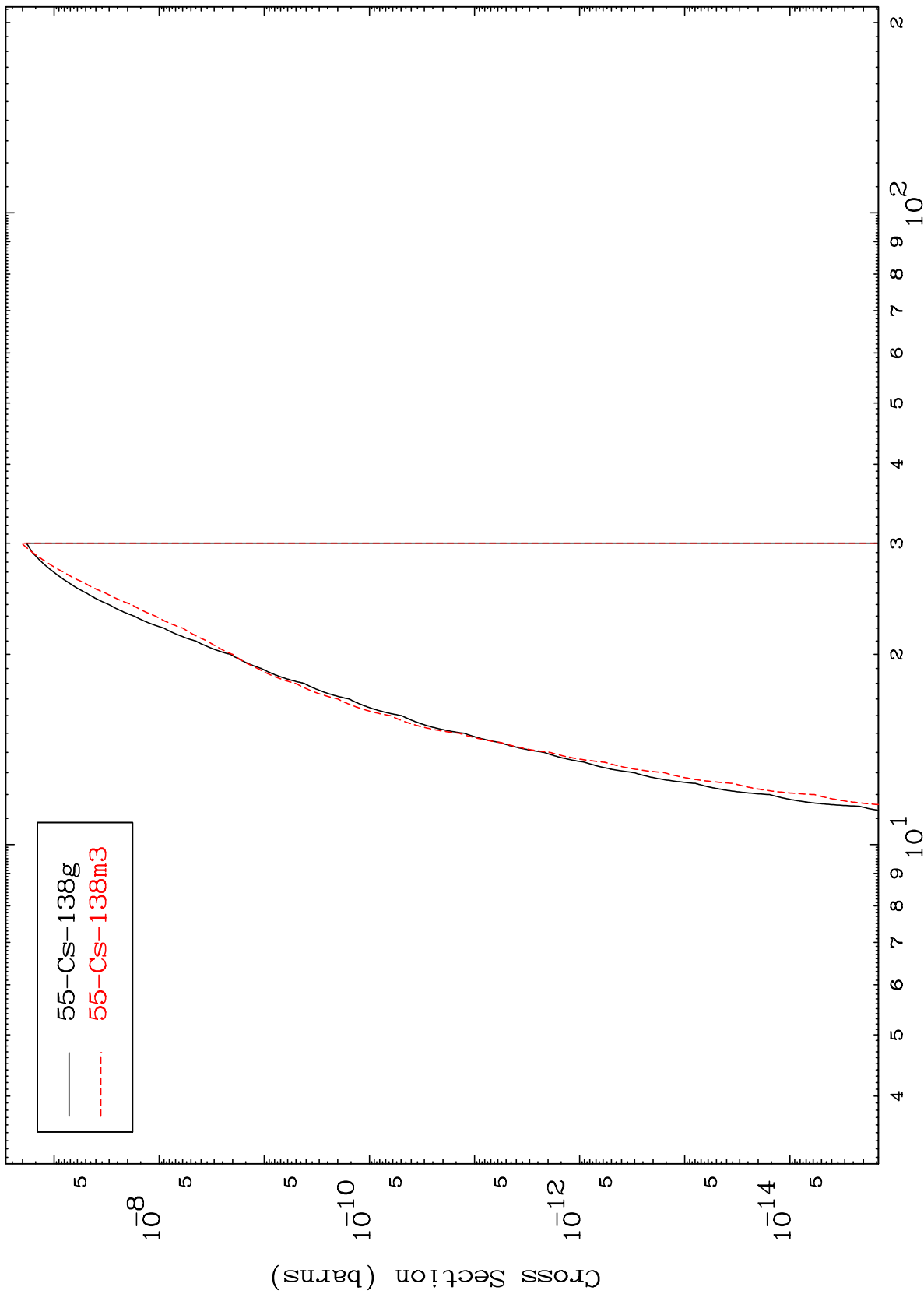
58-Ce-142

MAT 5843

(n,p) α

58-Ce-142

Radionuclide Production Cross Section



55-Cs-138g
55-Cs-138m3

137

Incident Energy (MeV)

58-Ce-142