

Program EVALPLOT
(Version 2015-2)

by

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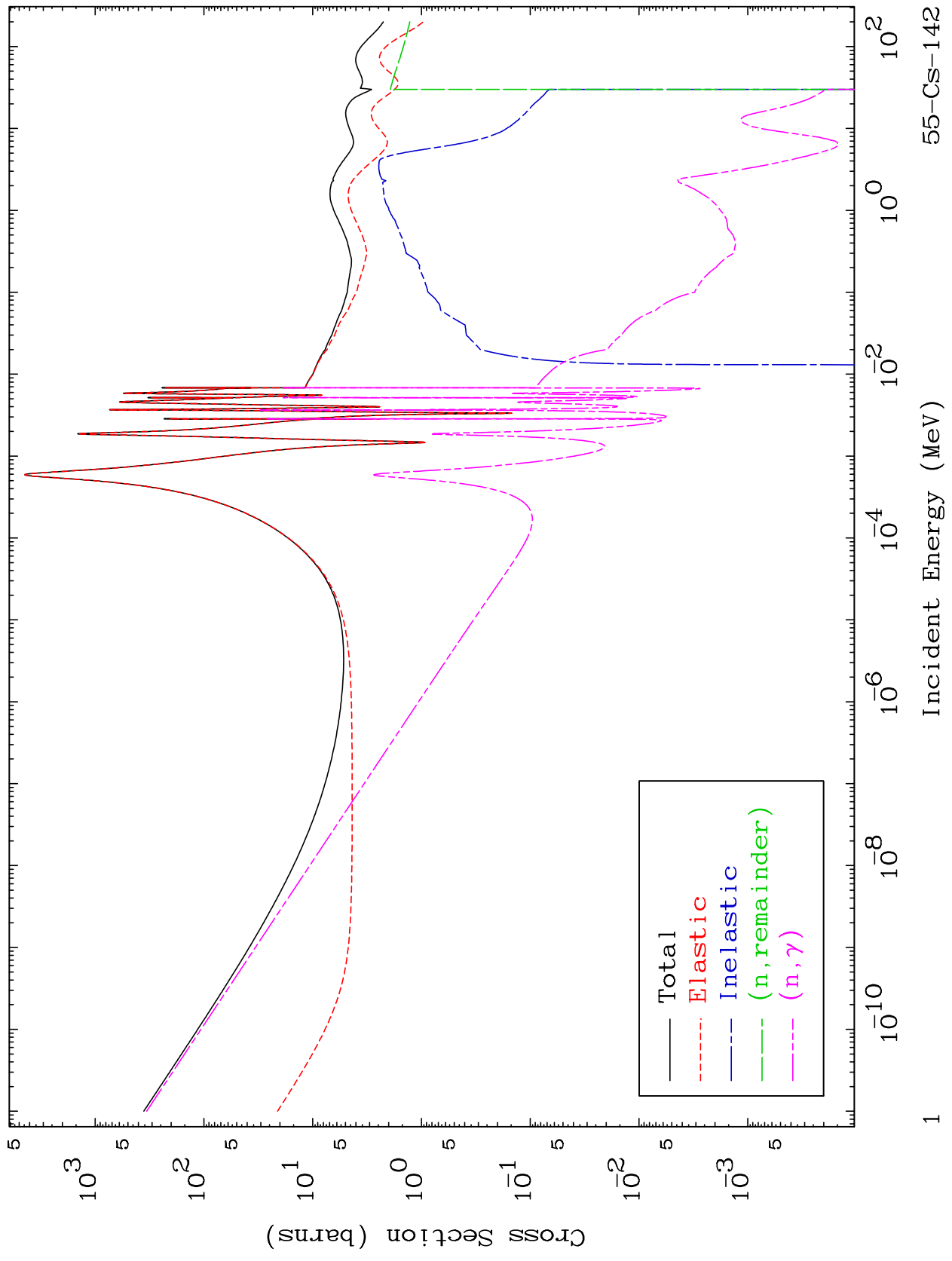
Press Mouse Button to Start

MAT 5552

Major

293 Kelvin Cross Sections

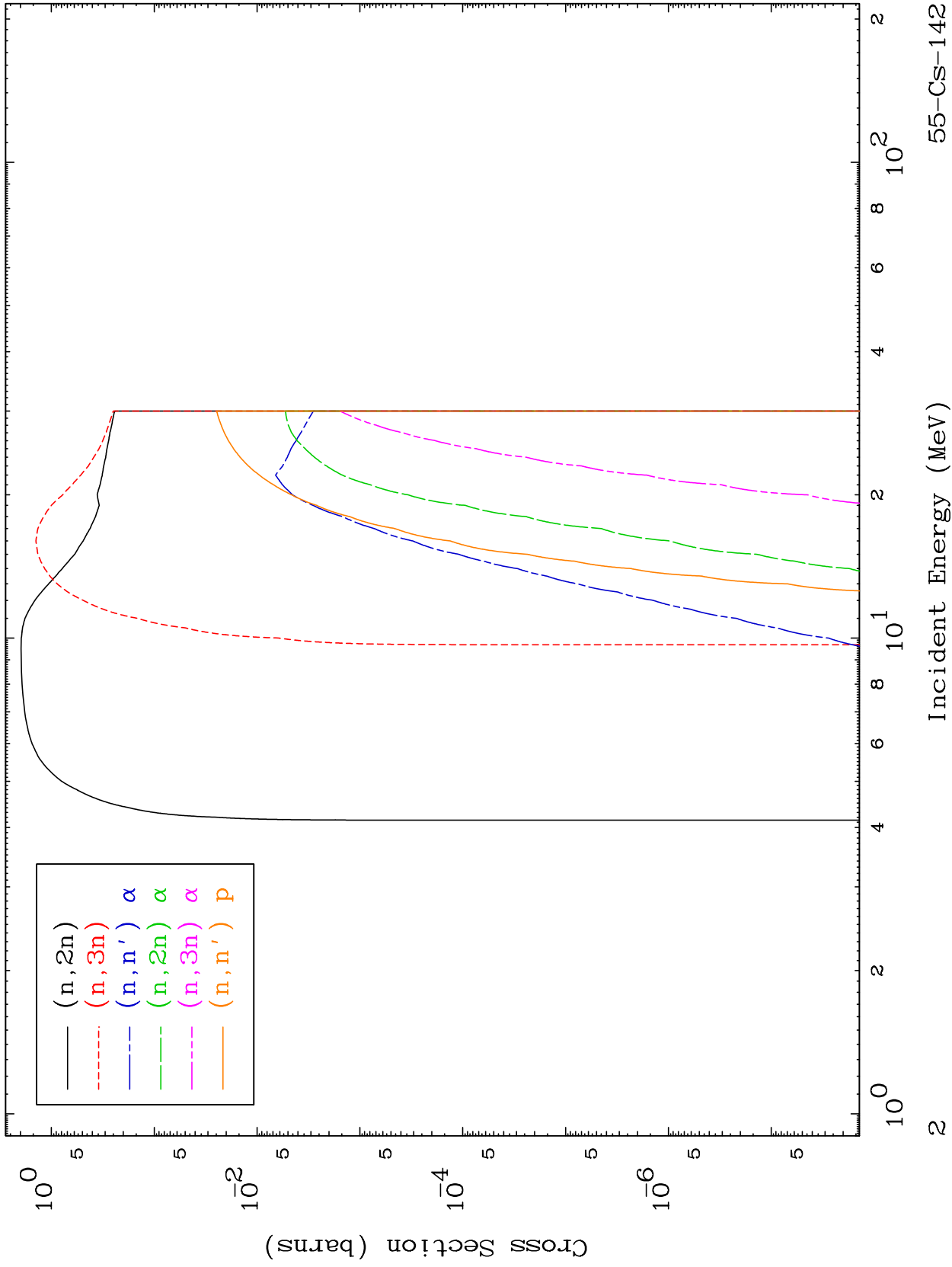
55-Cs-142

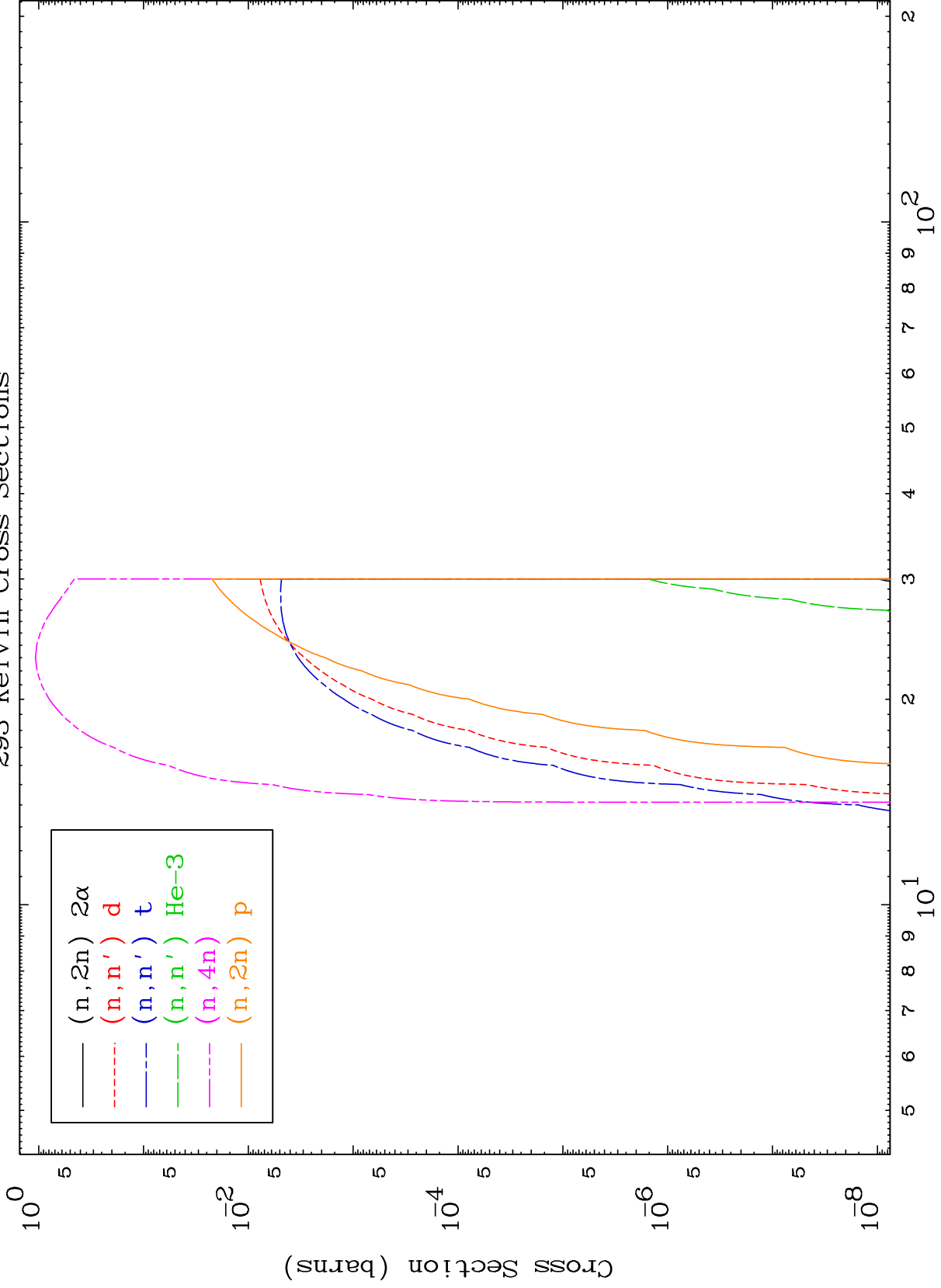


MAT 5552

Neutron Production
293 Kelvin Cross Sections

55-Cs-142

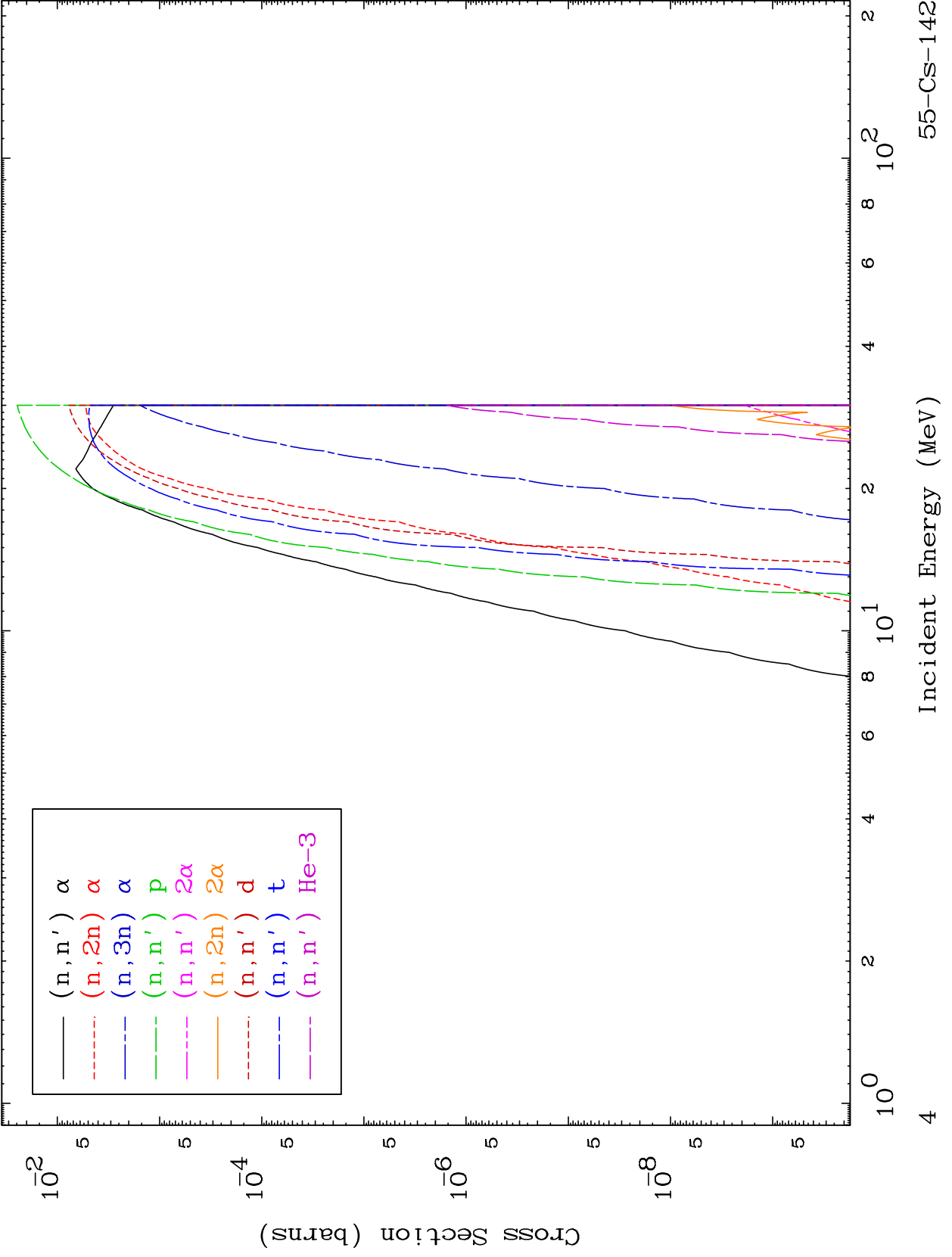




MAT 5552

Charged Particle
293 Kelvin Cross Sections

55-Cs-142



55-Cs-142

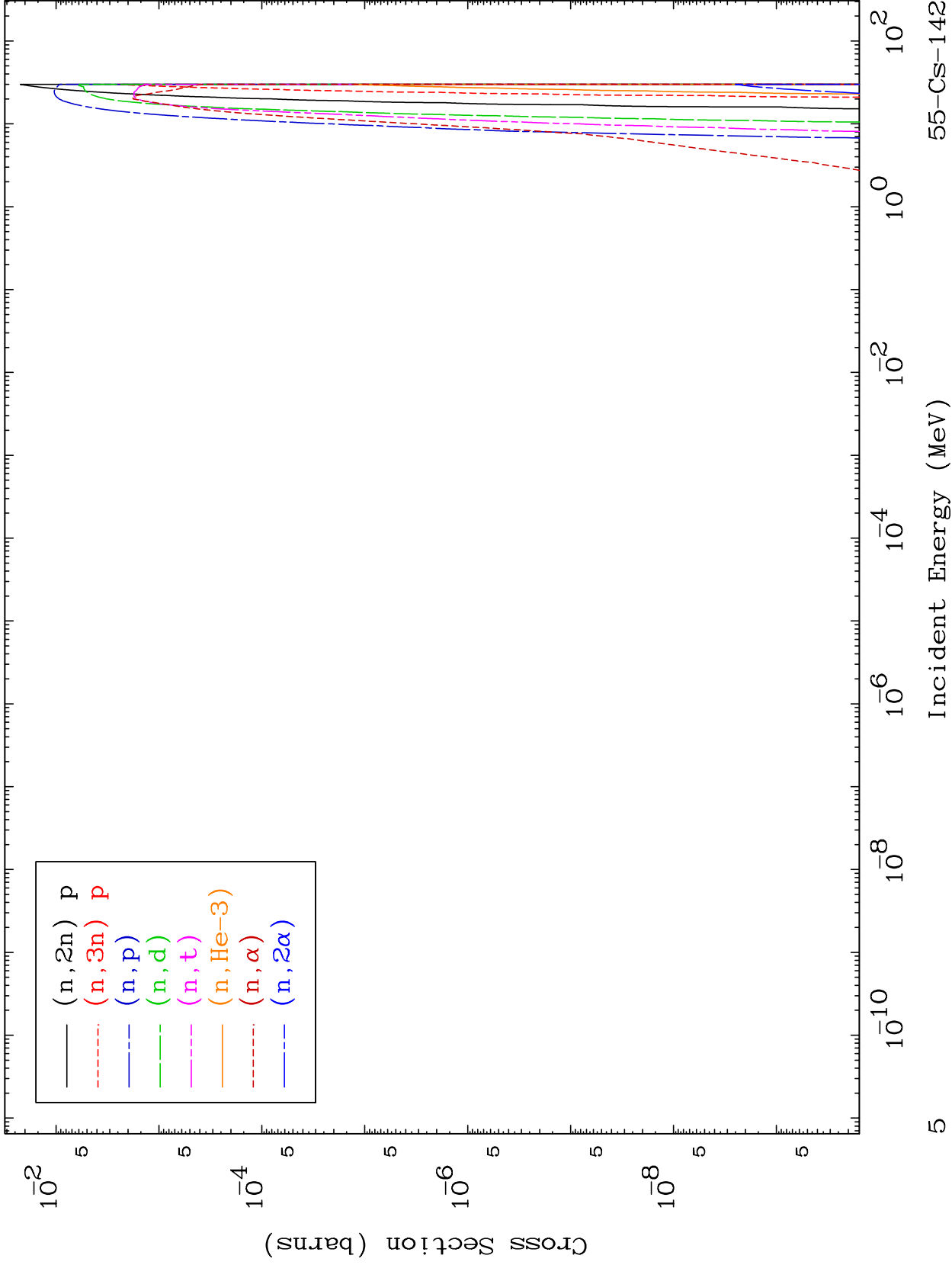
Incident Energy (MeV)

4

MAT 5552

Charged Particle
293 Kelvin Cross Sections

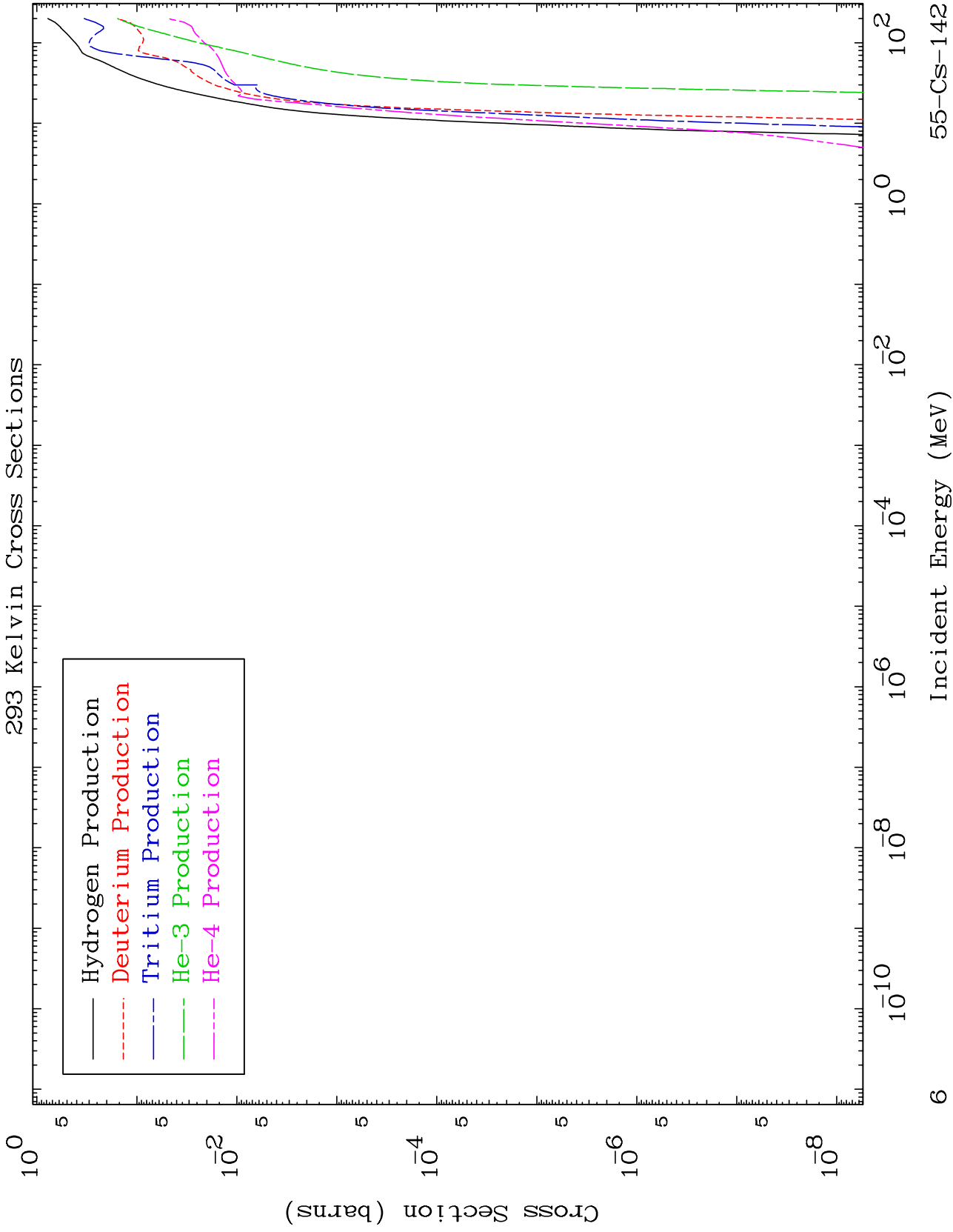
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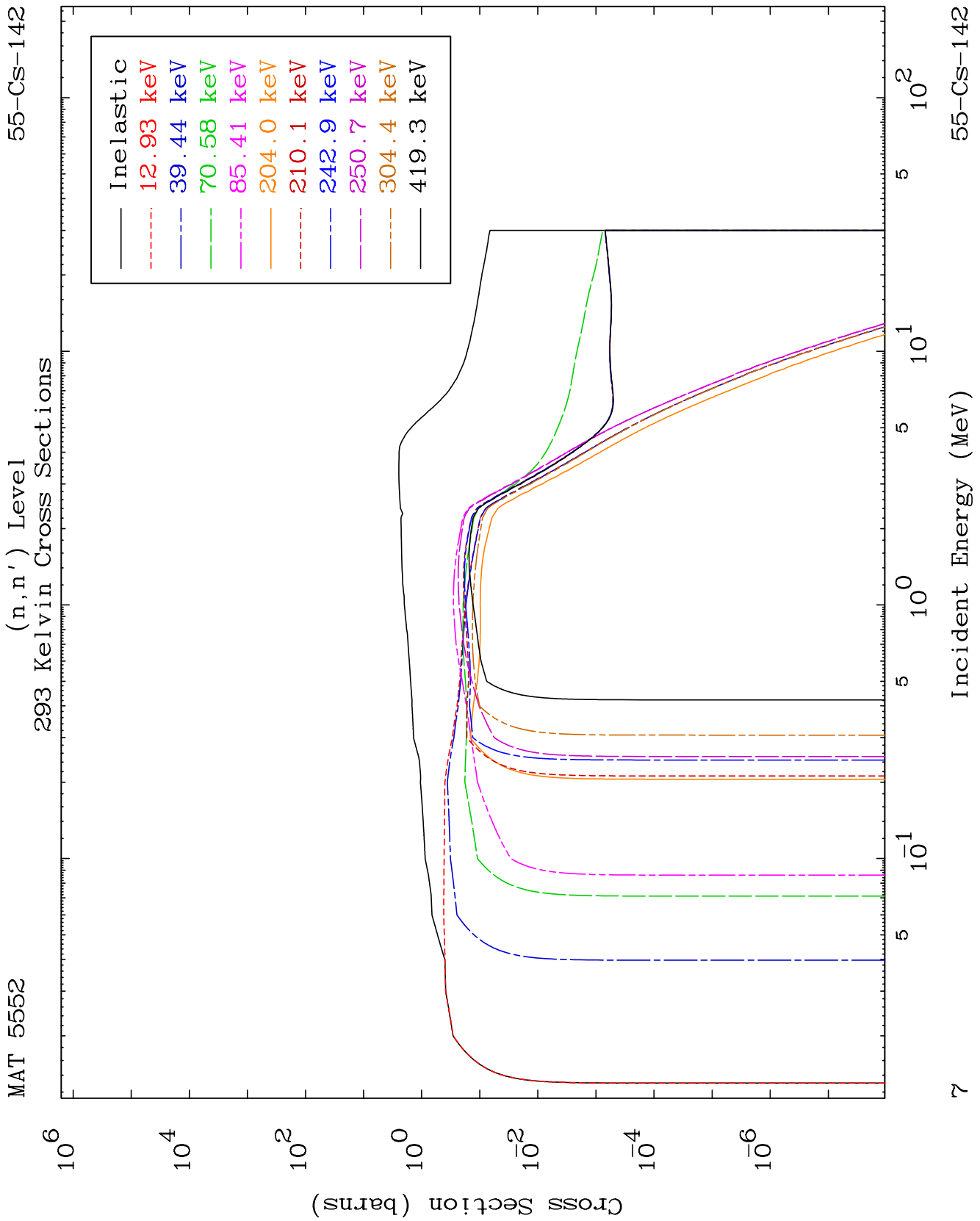


MAT 5552

Particle Production
293 Kelvin Cross Sections

55-Cs-142

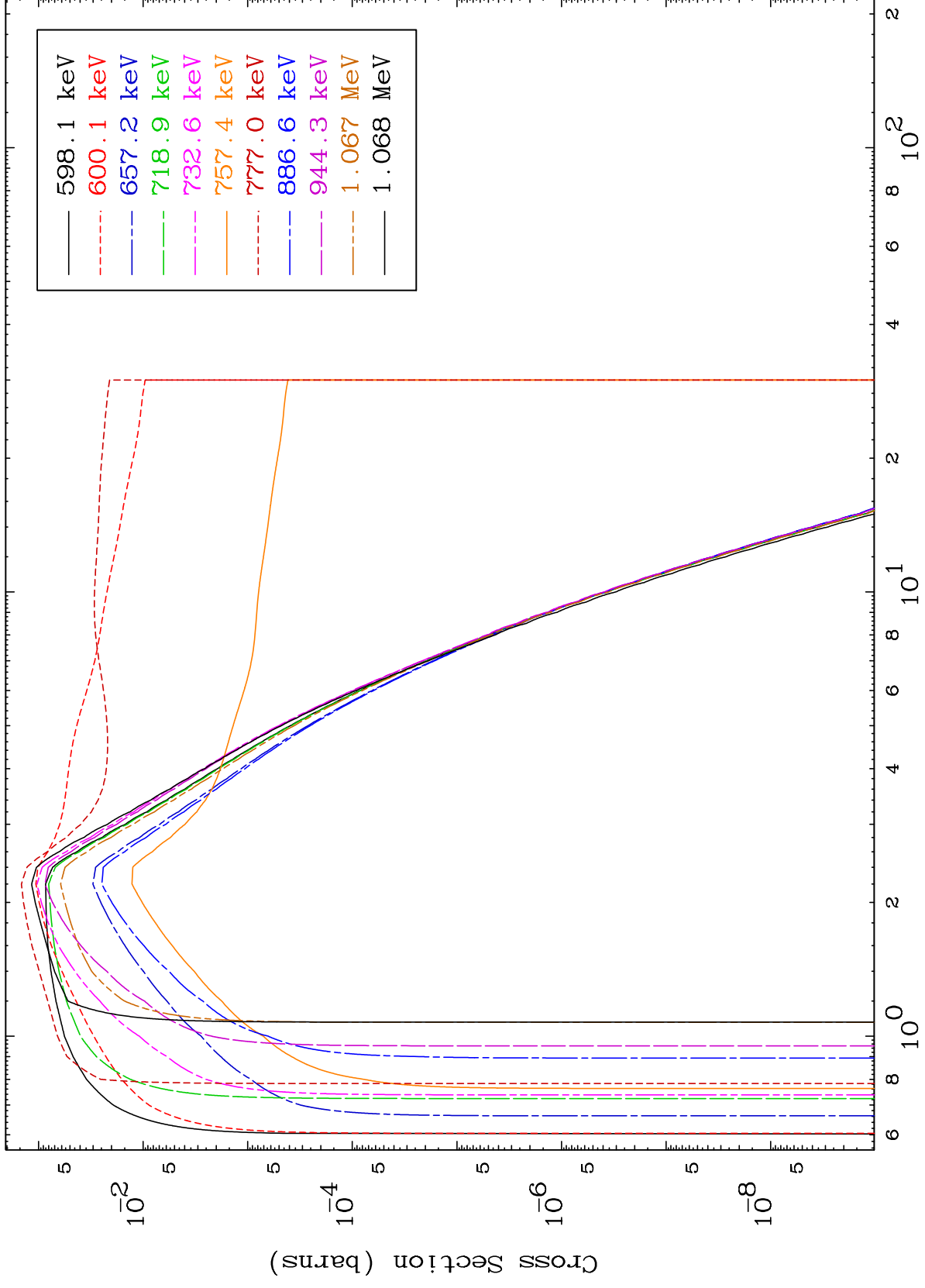




MAT 5552

(n,n') Level
293 Kelvin Cross Sections

55-Cs-142



8

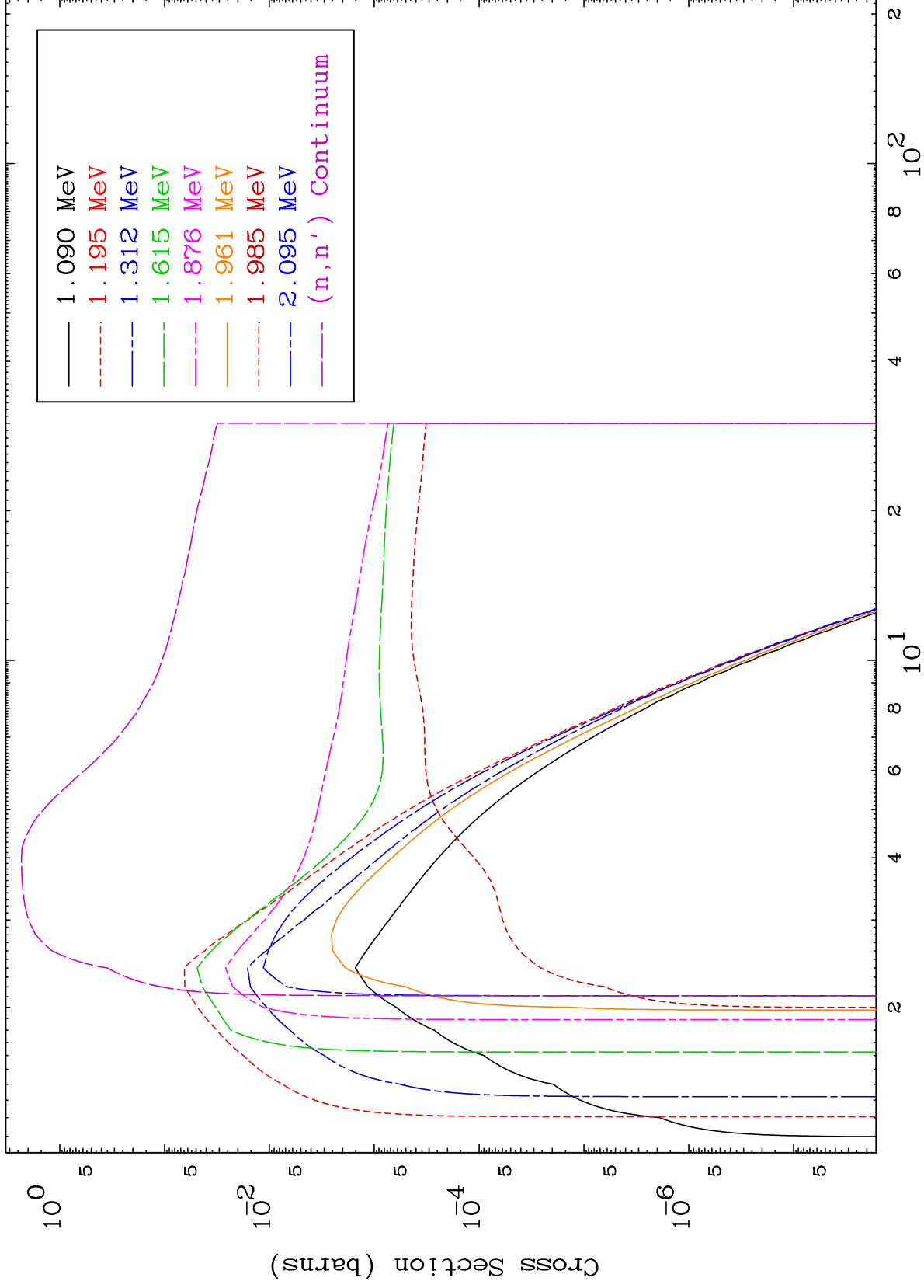
Incident Energy (MeV)

55-Cs-142

MAT 5552

(n,n') Level
293 Kelvin Cross Sections

55-Cs-142



9

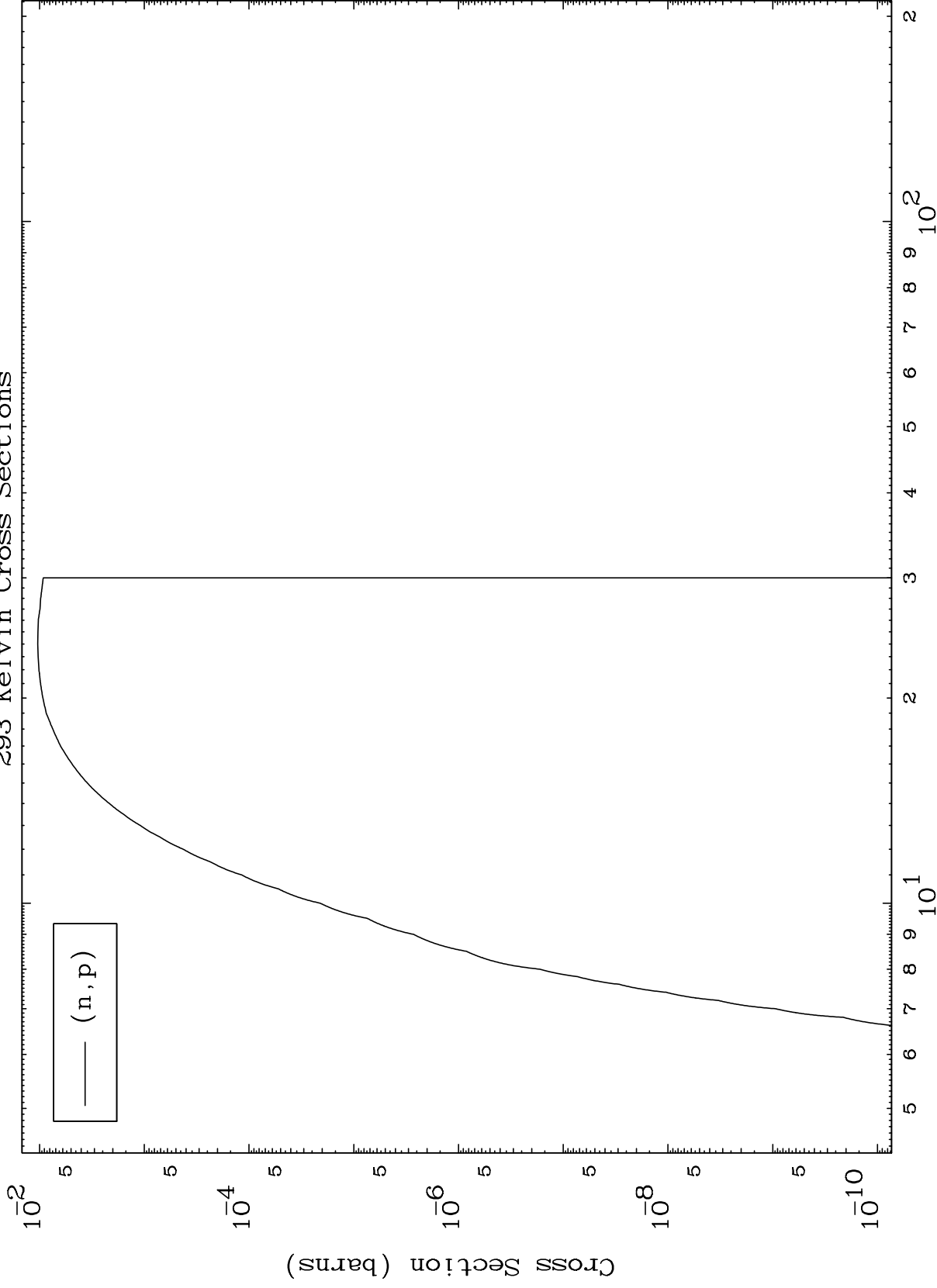
Incident Energy (MeV)

55-Cs-142

MAT 5552

(n,p) Levels
293 Kelvin Cross Sections

55-Cs-142



10

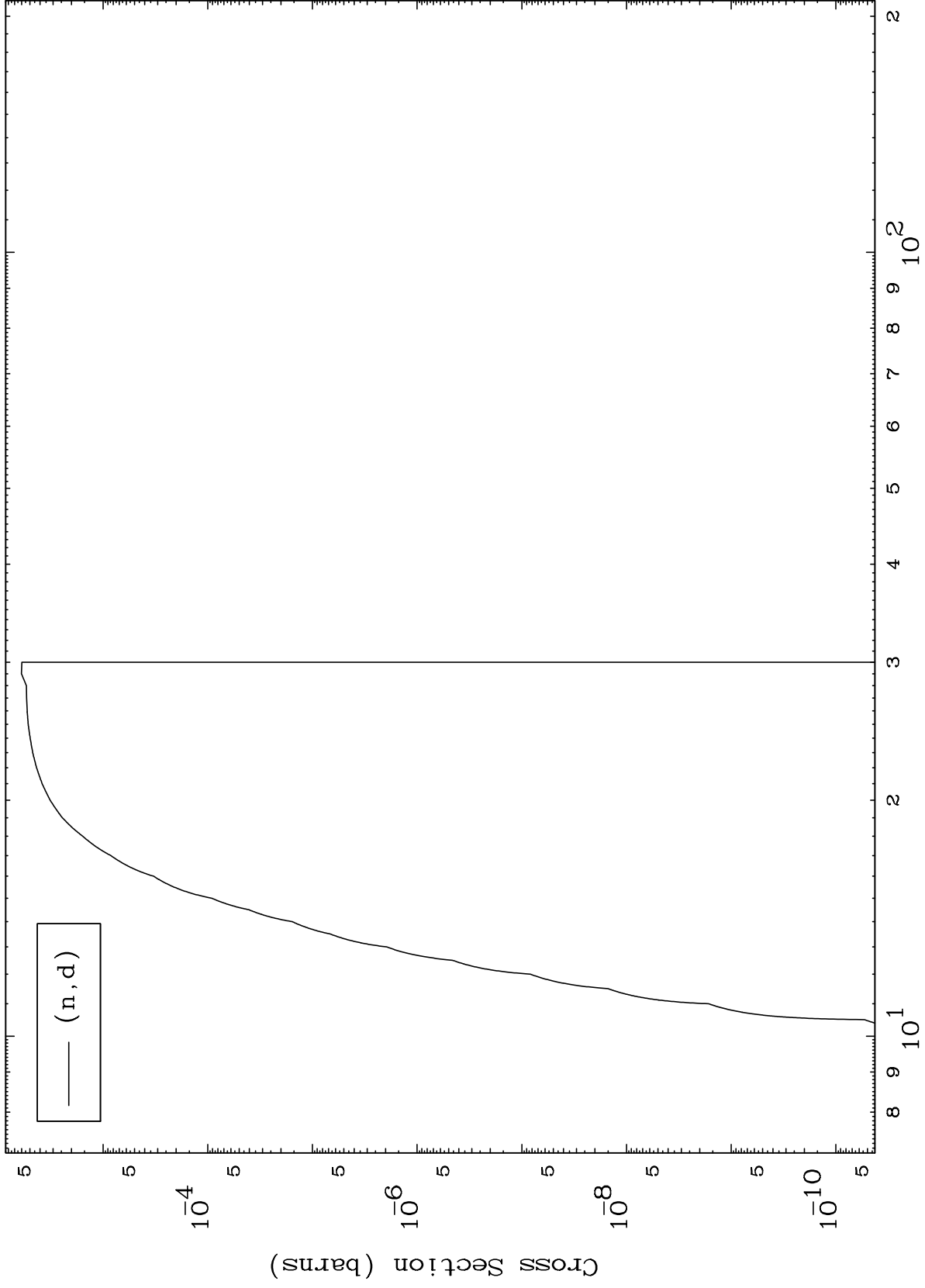
Incident Energy (MeV)

55-Cs-142

MAT 5552

(n,d) Levels
293 Kelvin Cross Sections

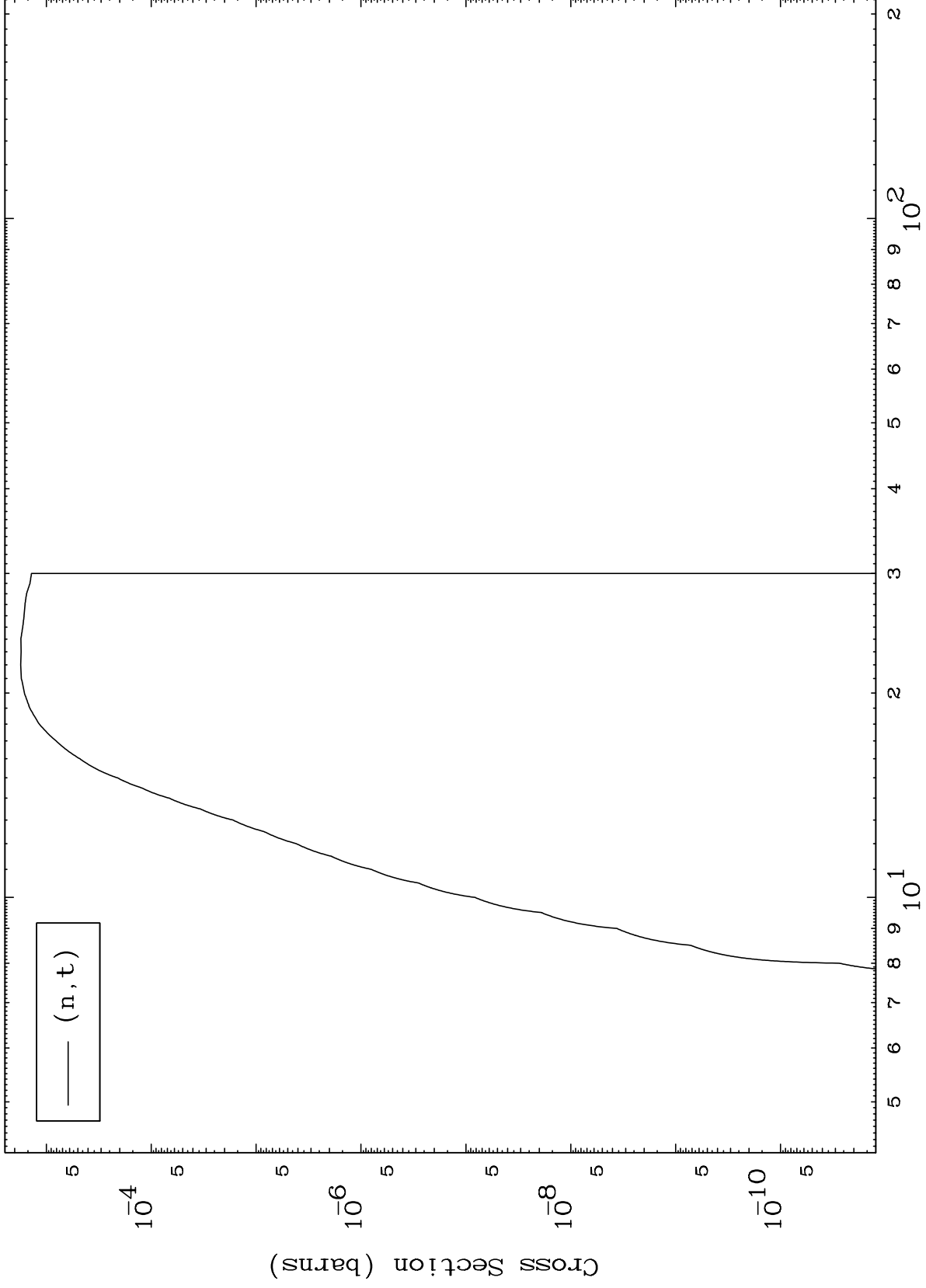
55-Cs-142



MAT 5552

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-142



12

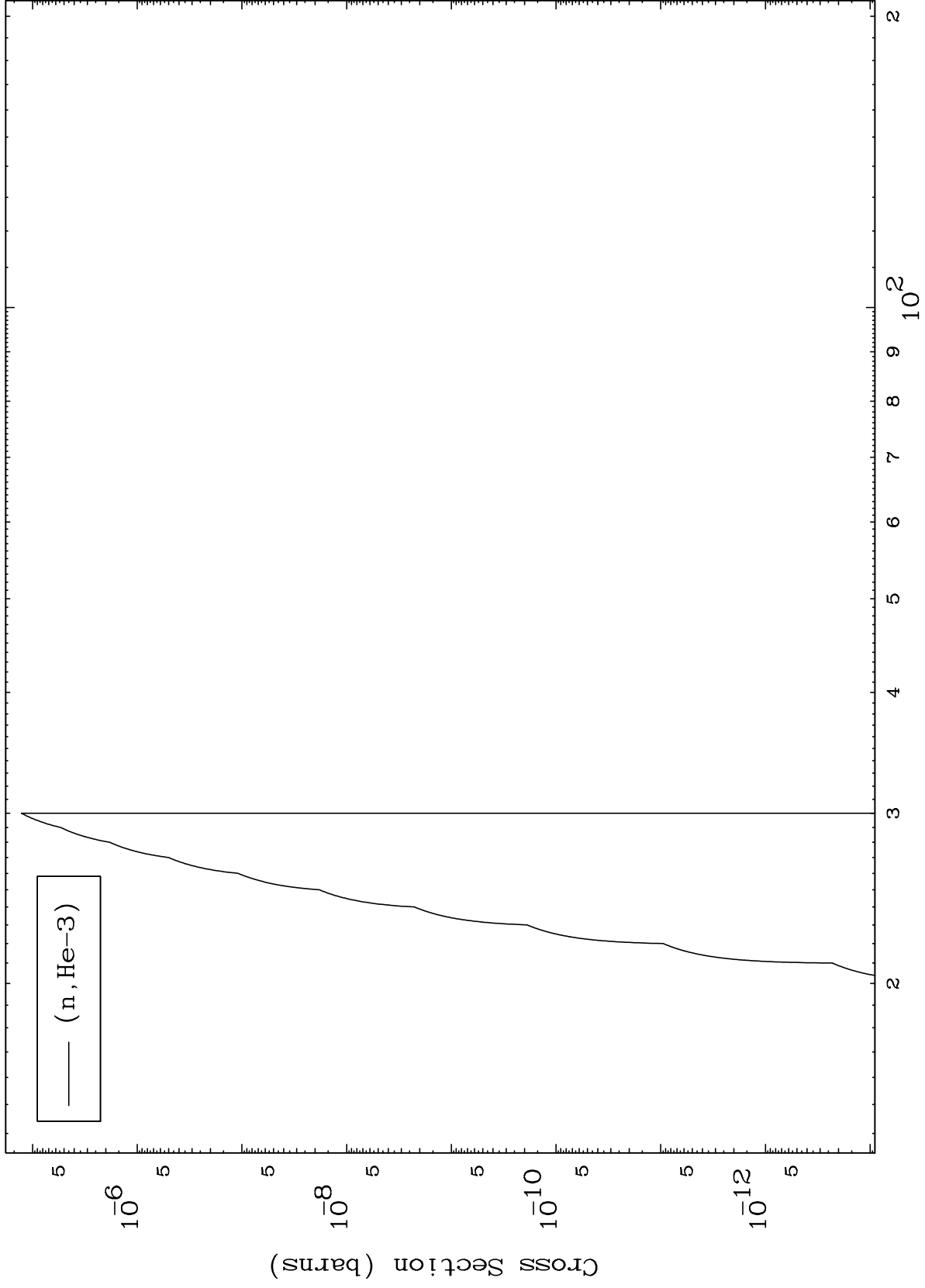
Incident Energy (MeV)

55-Cs-142

MAT 5552

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-142



13

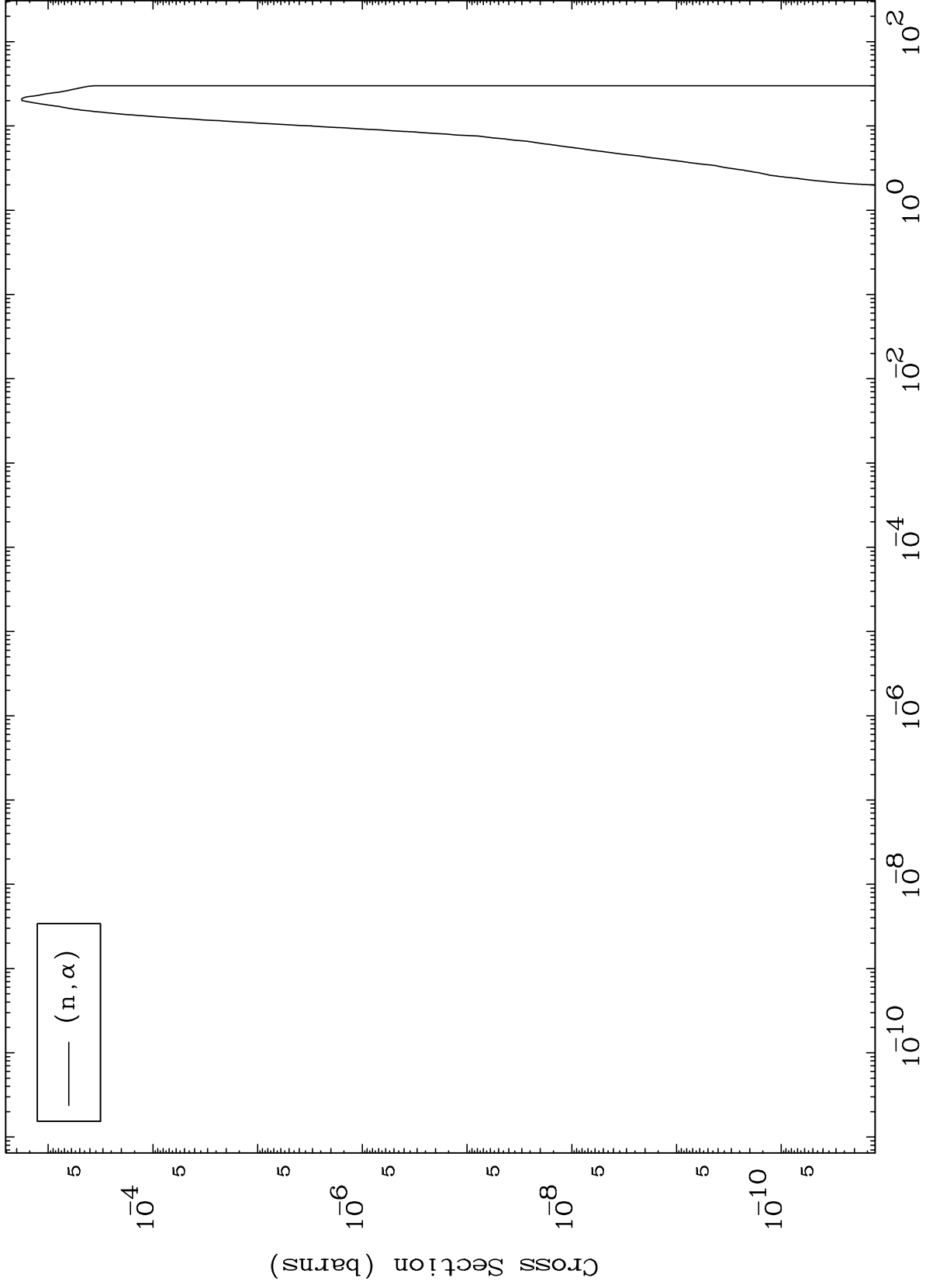
Incident Energy (MeV)

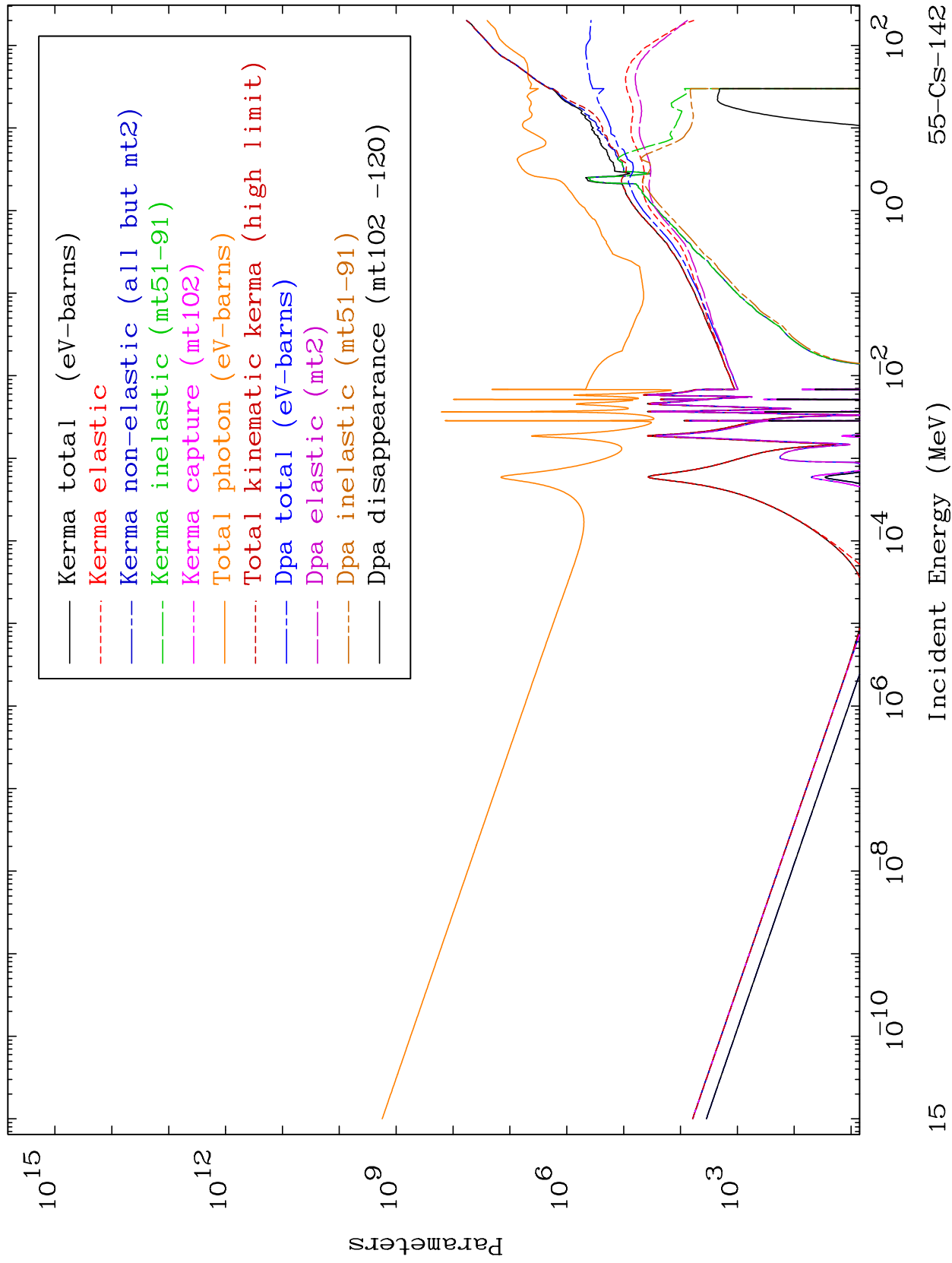
55-Cs-142

MAT 5552

(n, α) Levels
293 Kelvin Cross Sections

55-Cs-142

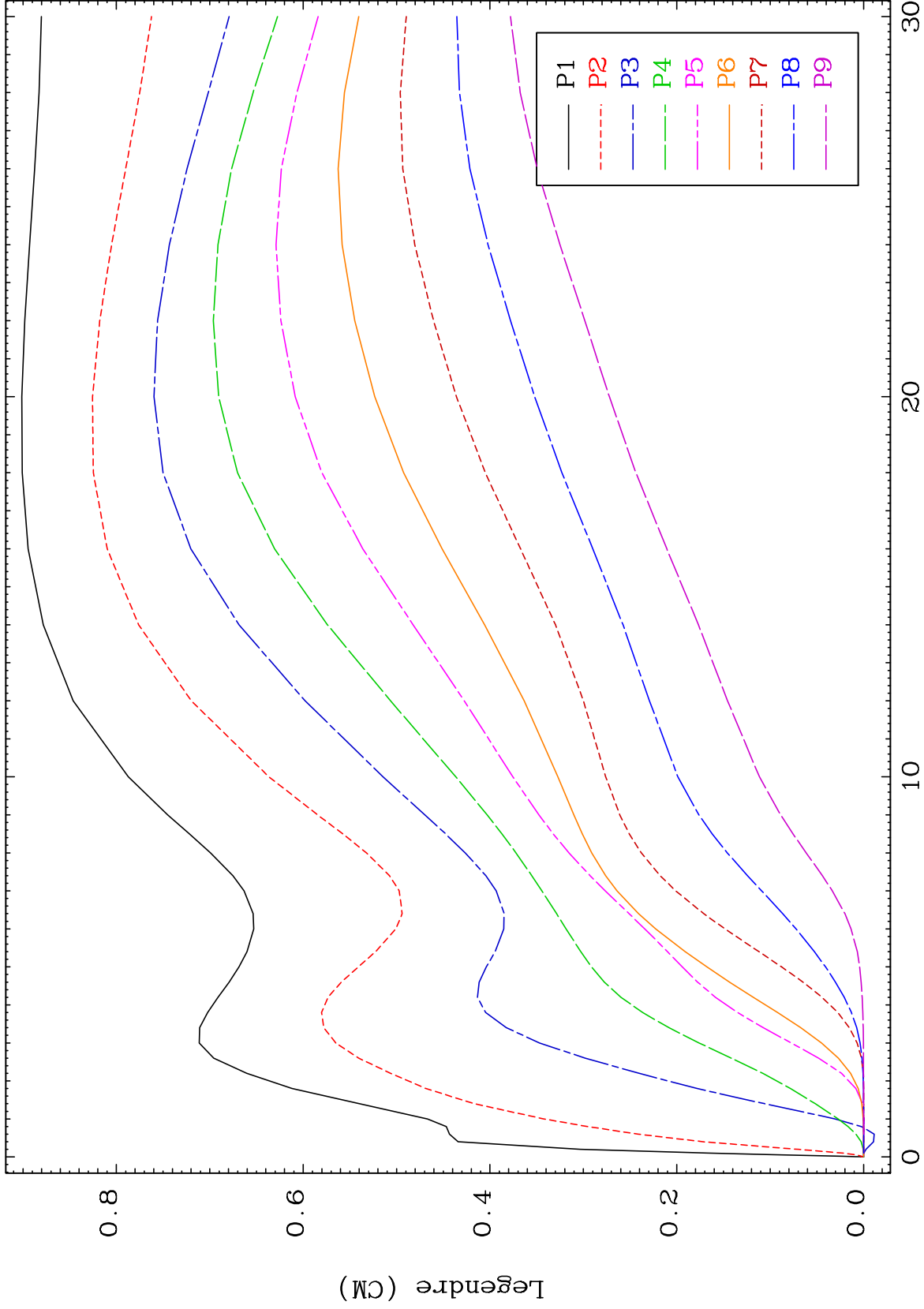




MAT 5552

Elastic Legendre Coefficients

55-Cs-142



16

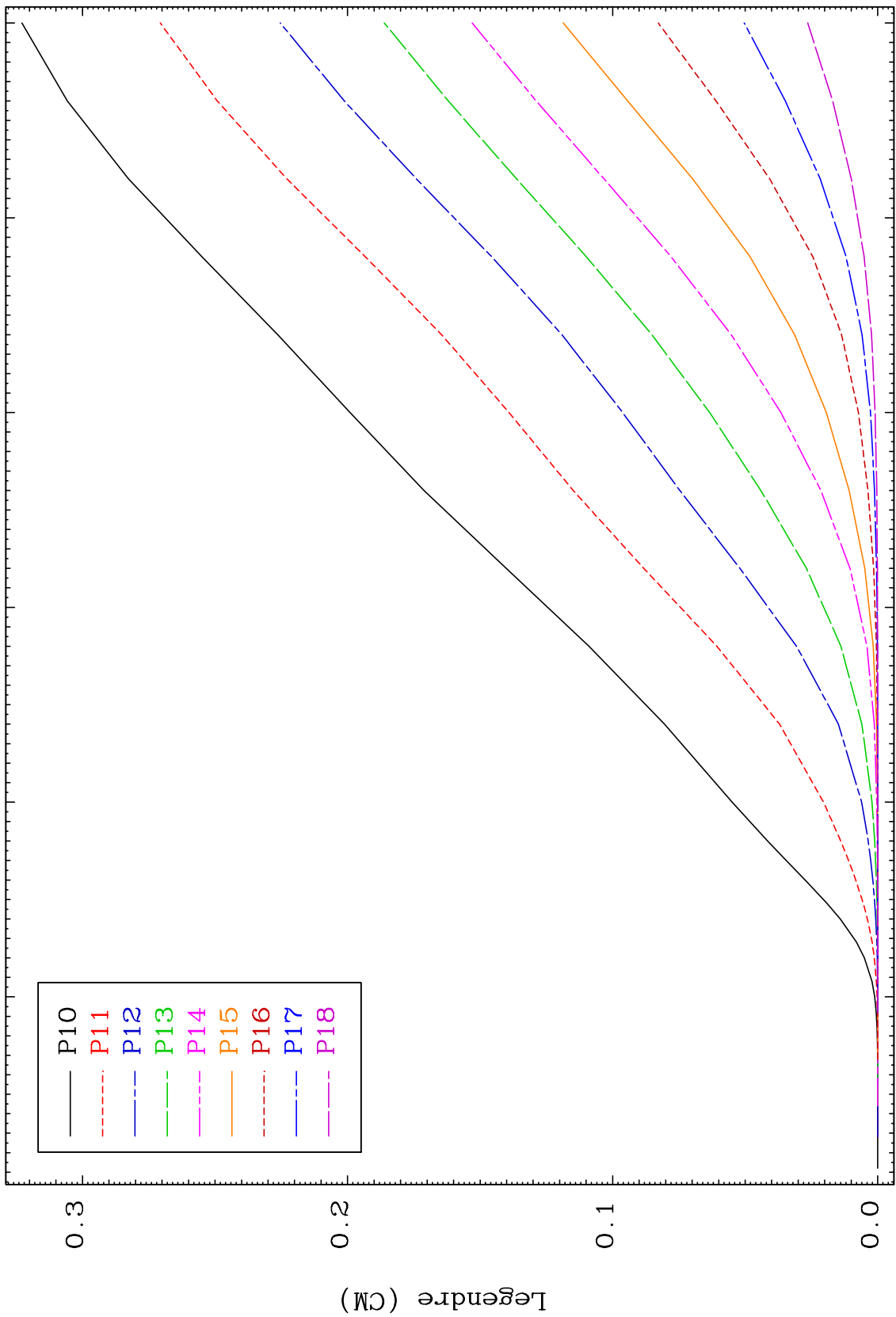
Incident Energy (MeV)

55-Cs-142

MAT 5552

Elastic Legendre Coefficients

55-Cs-142



17

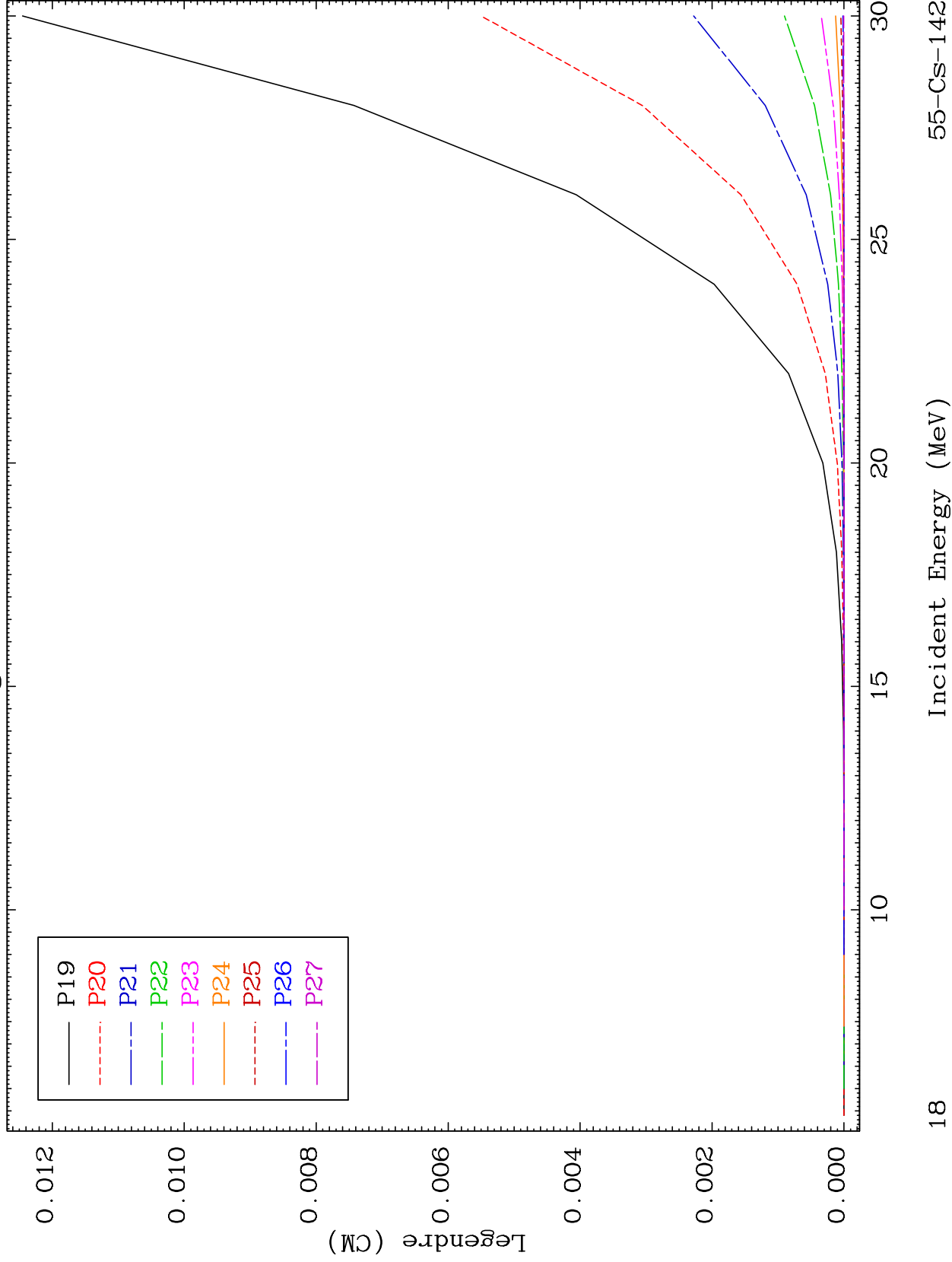
55-Cs-142

Incident Energy (MeV)

MAT 5552

Elastic Legendre Coefficients

55-Cs-142



18

Incident Energy (MeV)

55-Cs-142

30

25

20

15

10

0.012

0.010

0.008

0.006

0.004

0.002

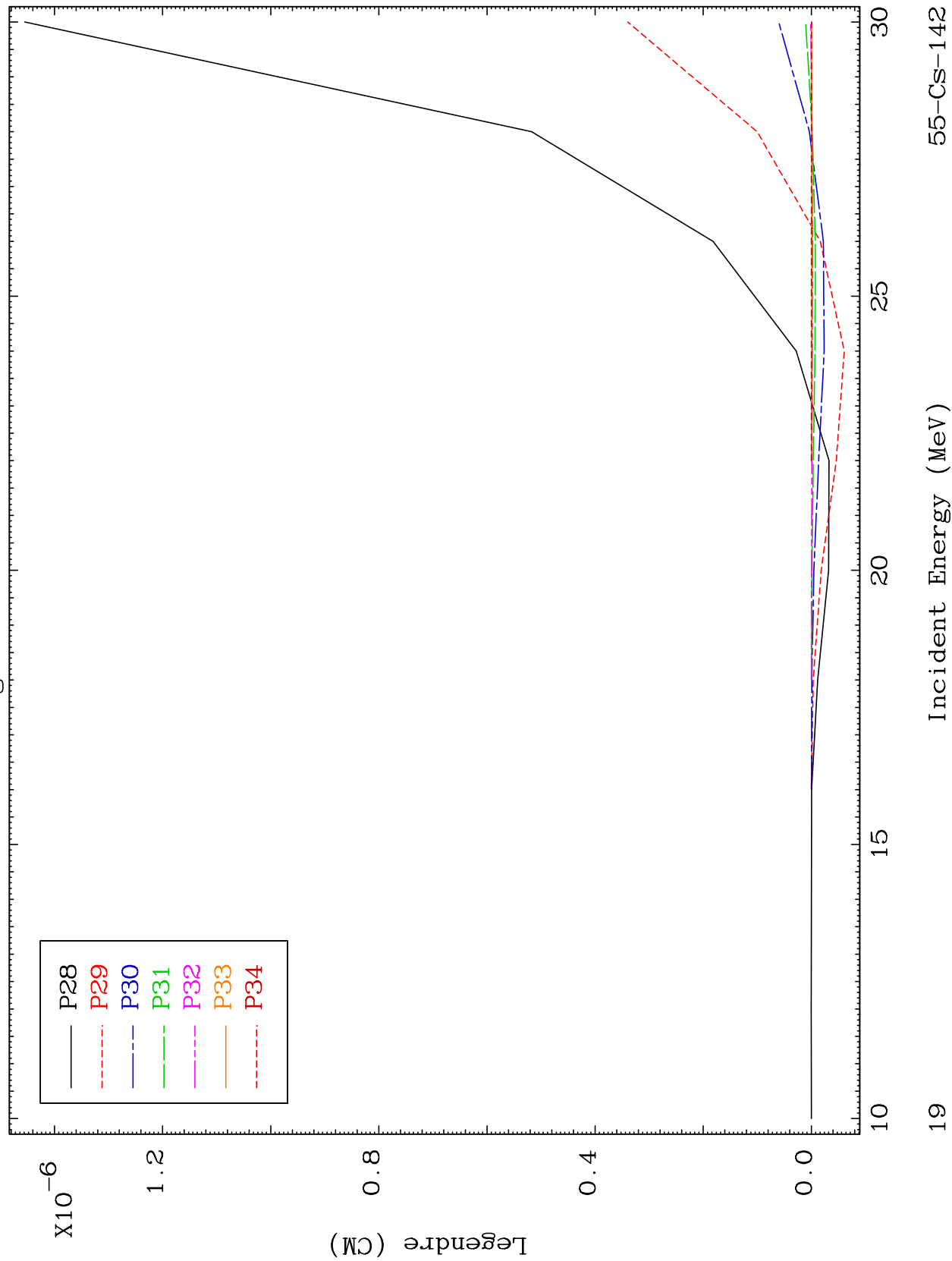
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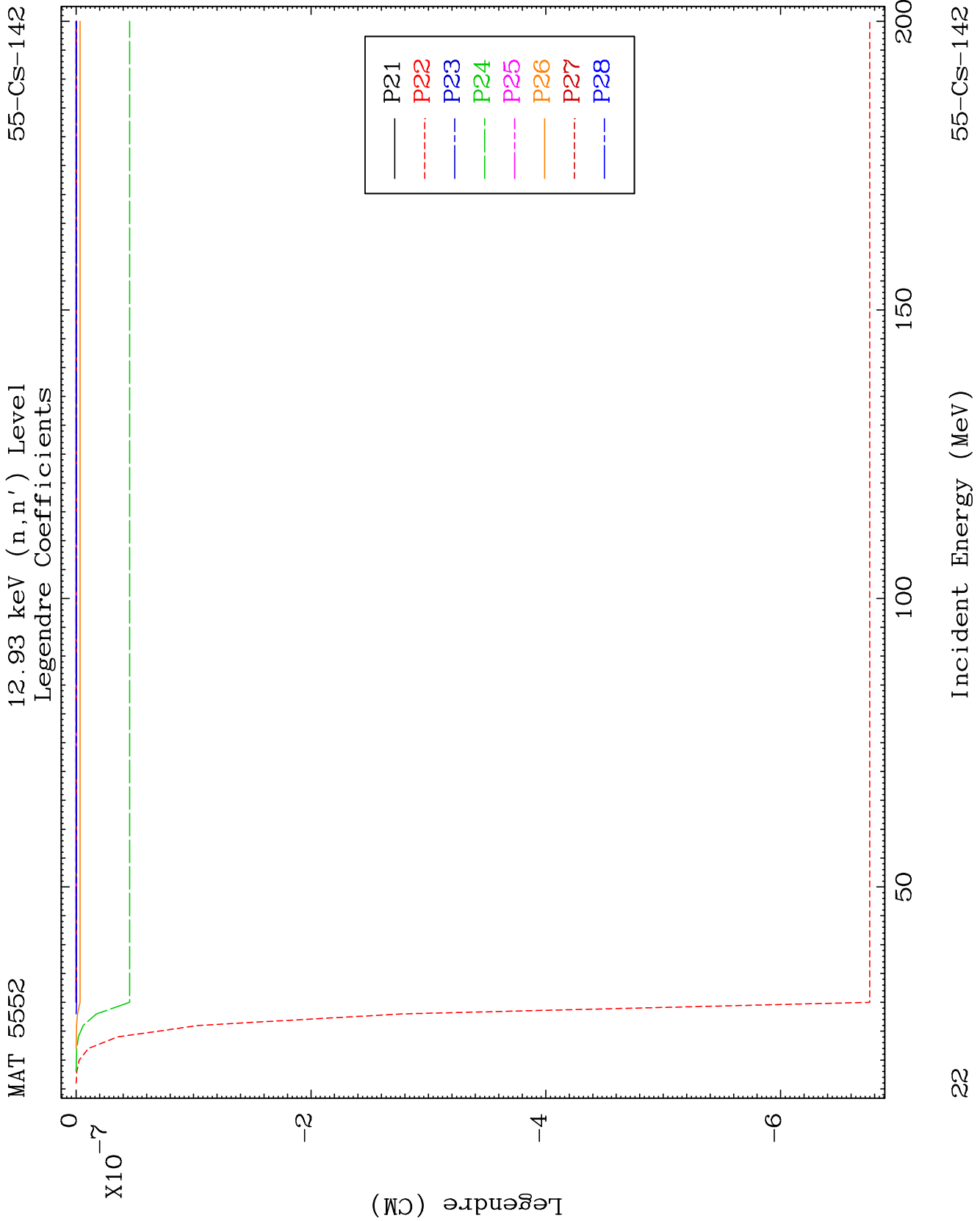
Legendre (CM)

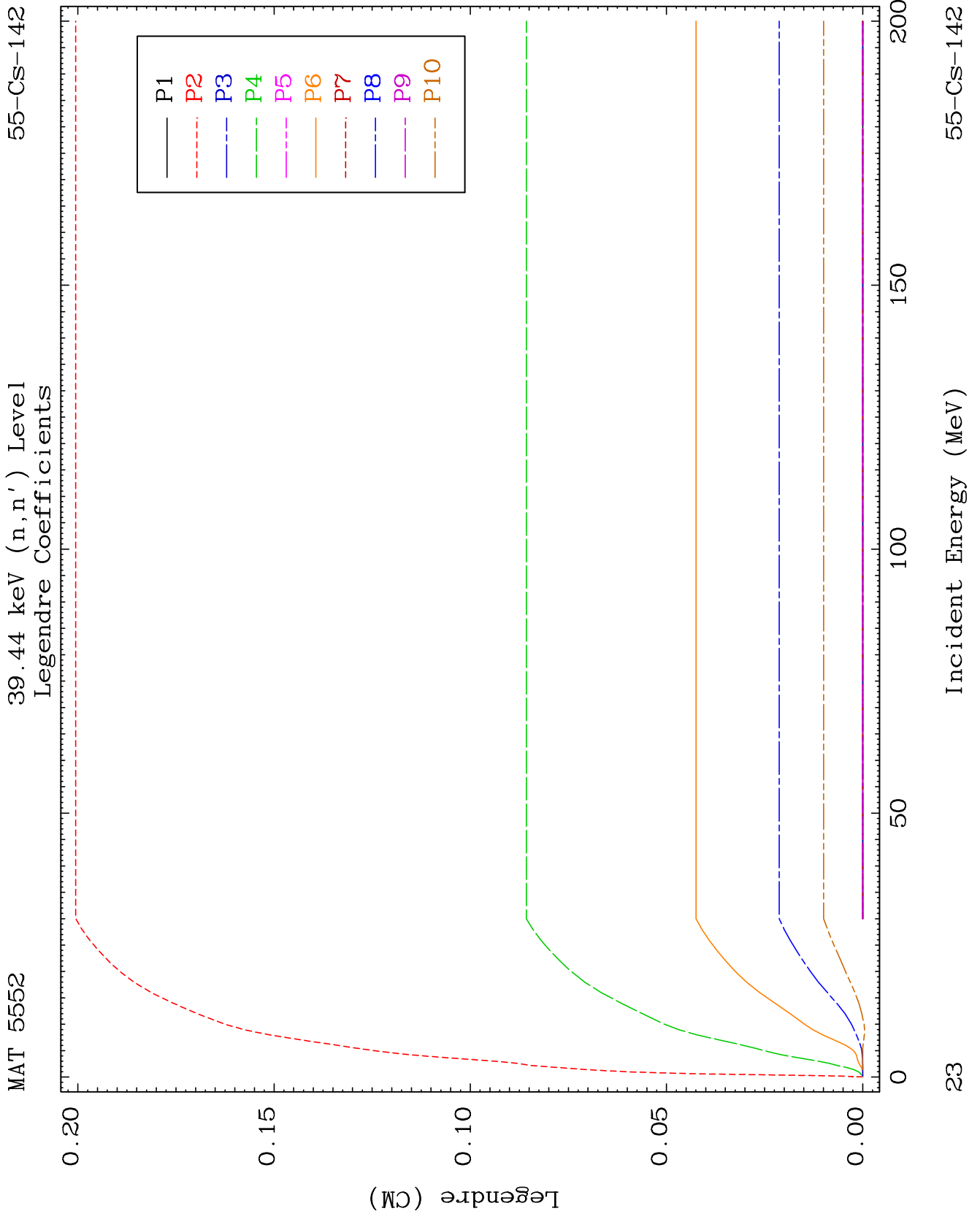
MAT 5552

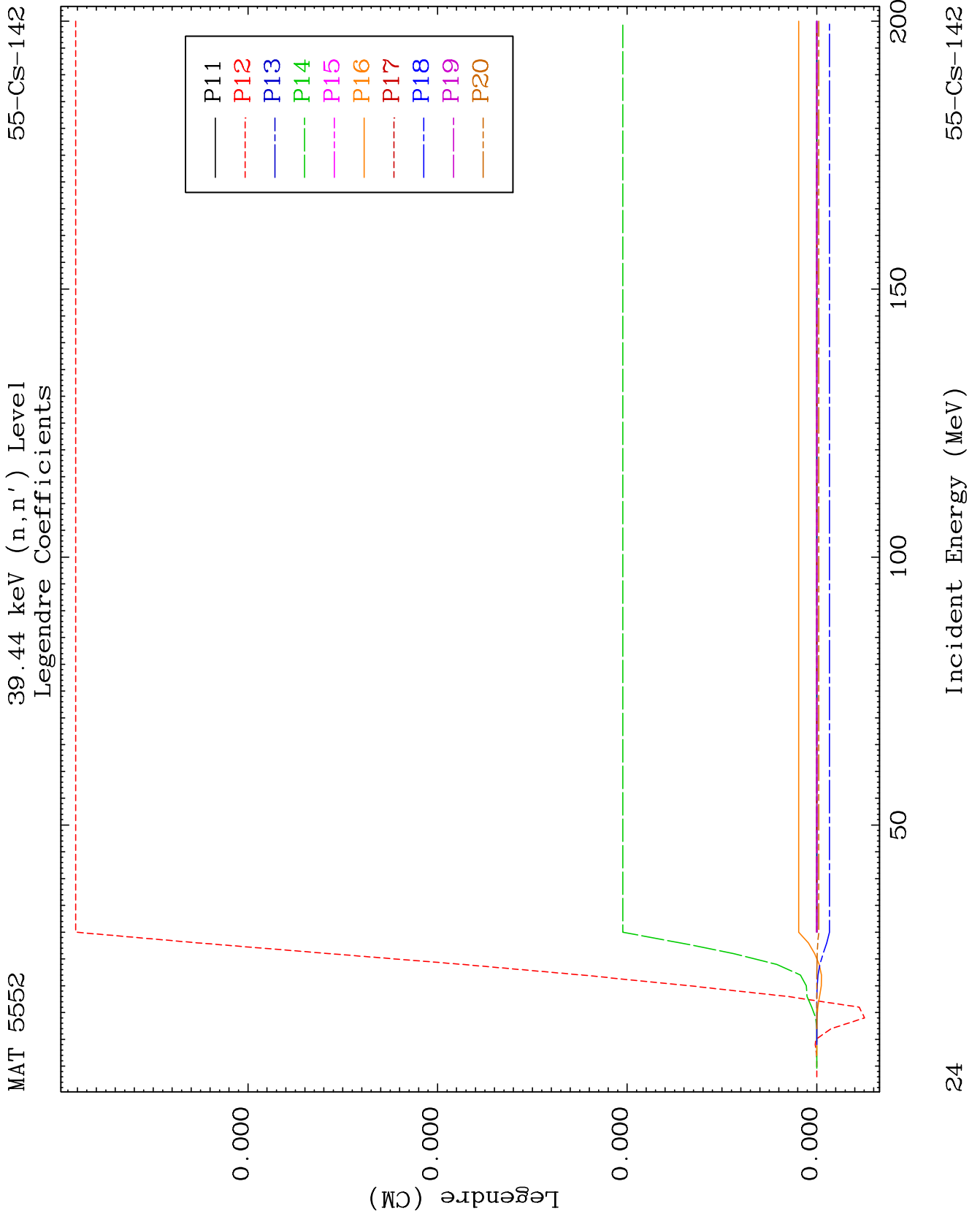
Elastic Legendre Coefficients

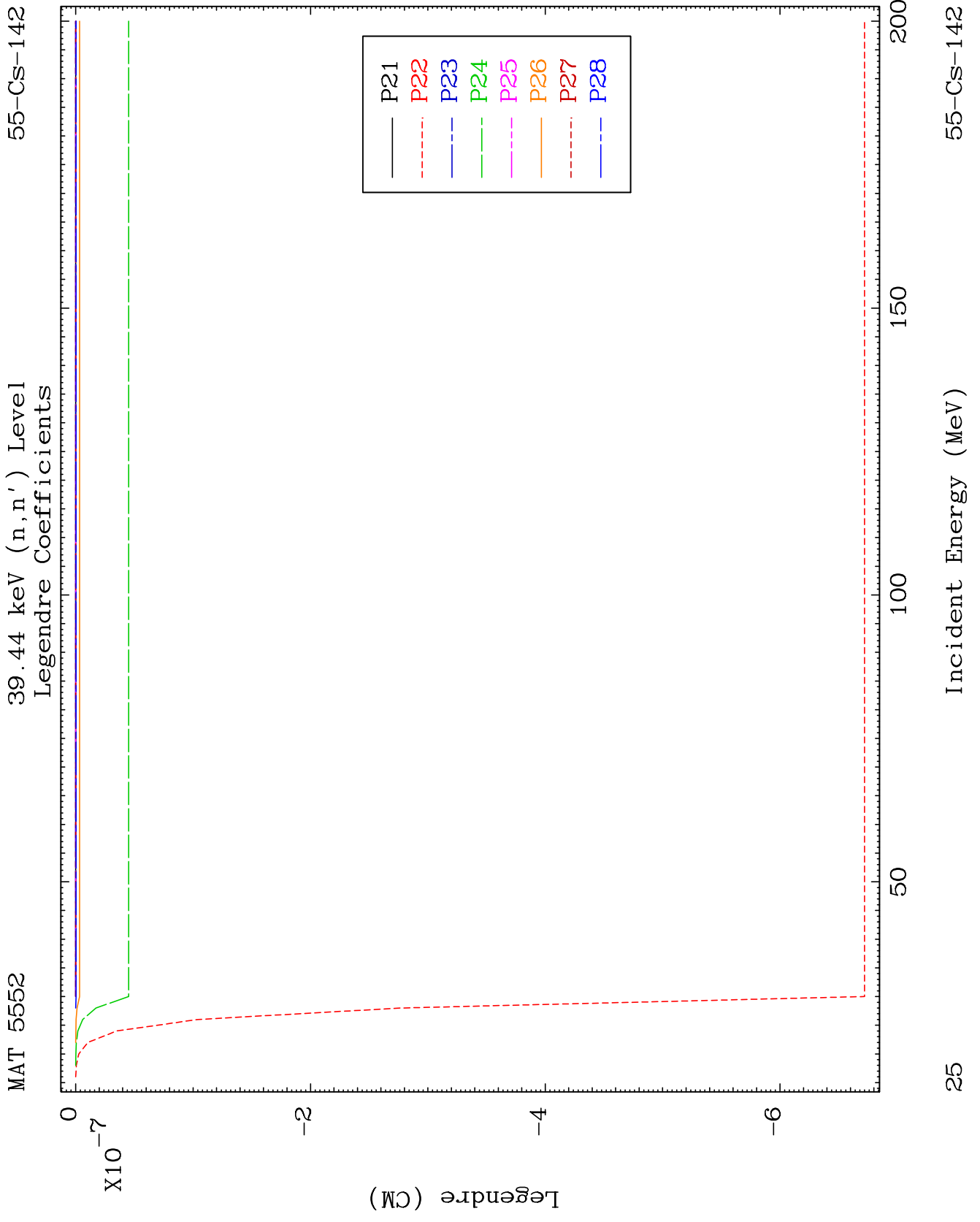
55-Cs-142

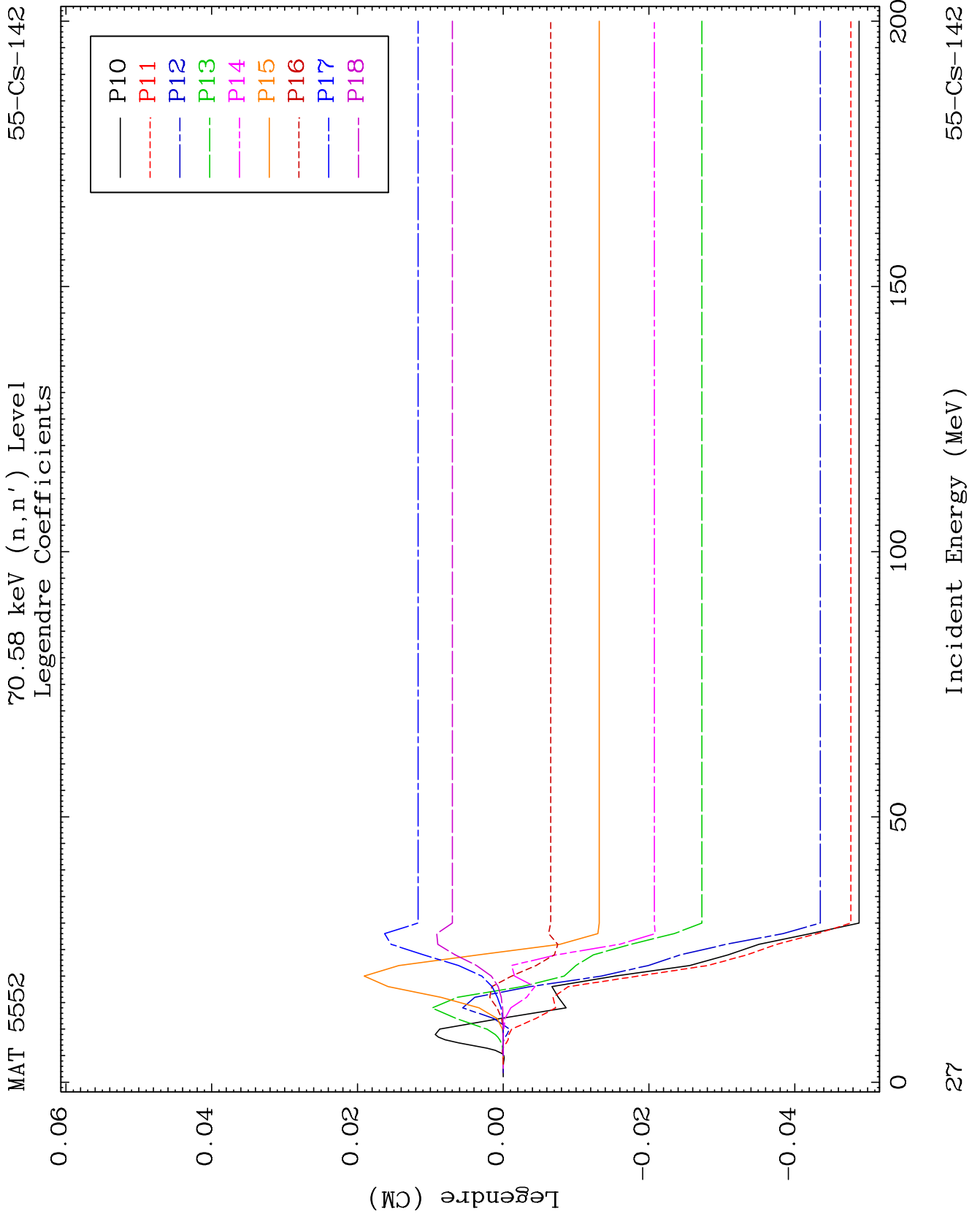








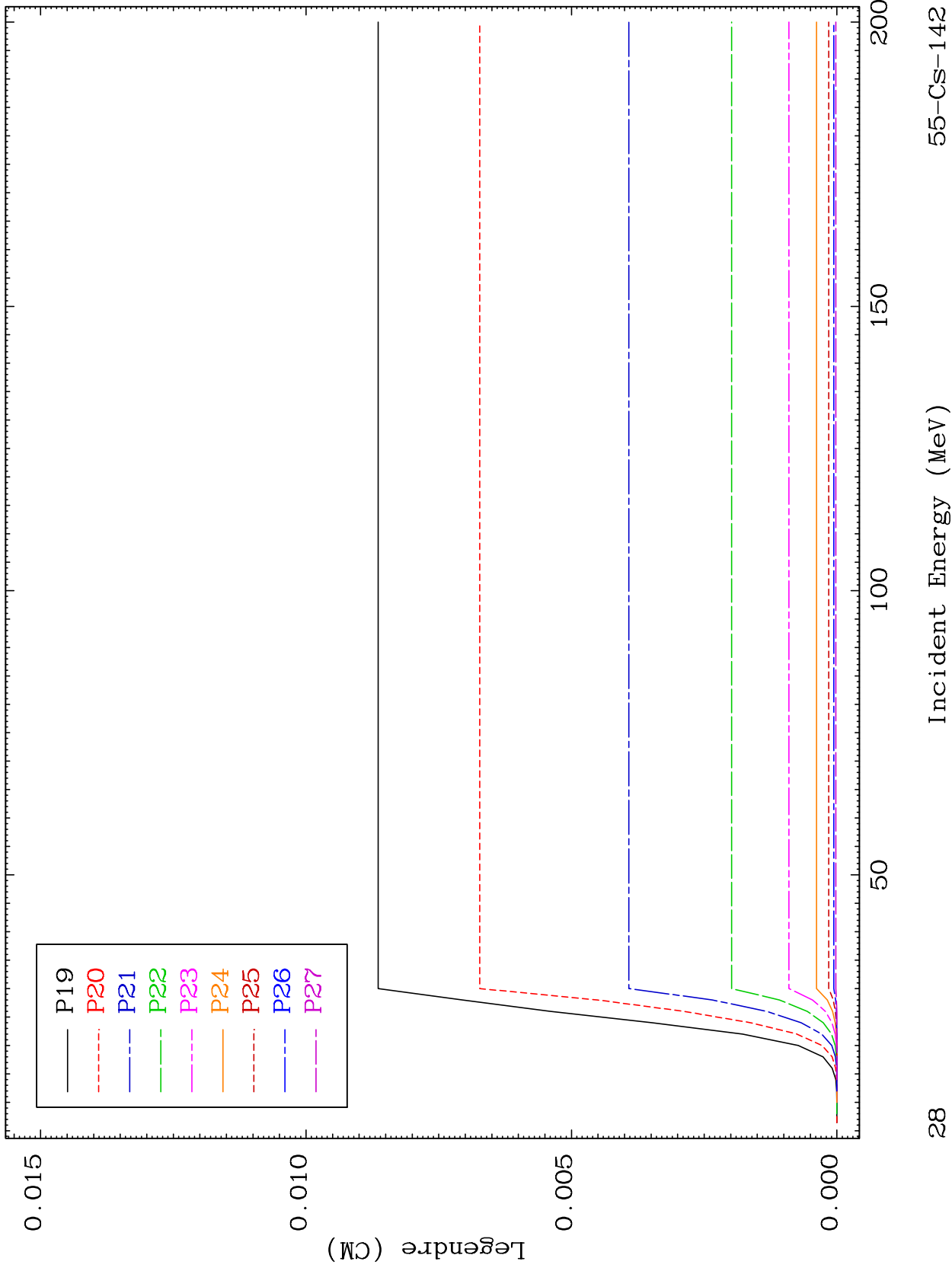




MAT 5552

70.58 keV (n,n') Level
Legendre Coefficients

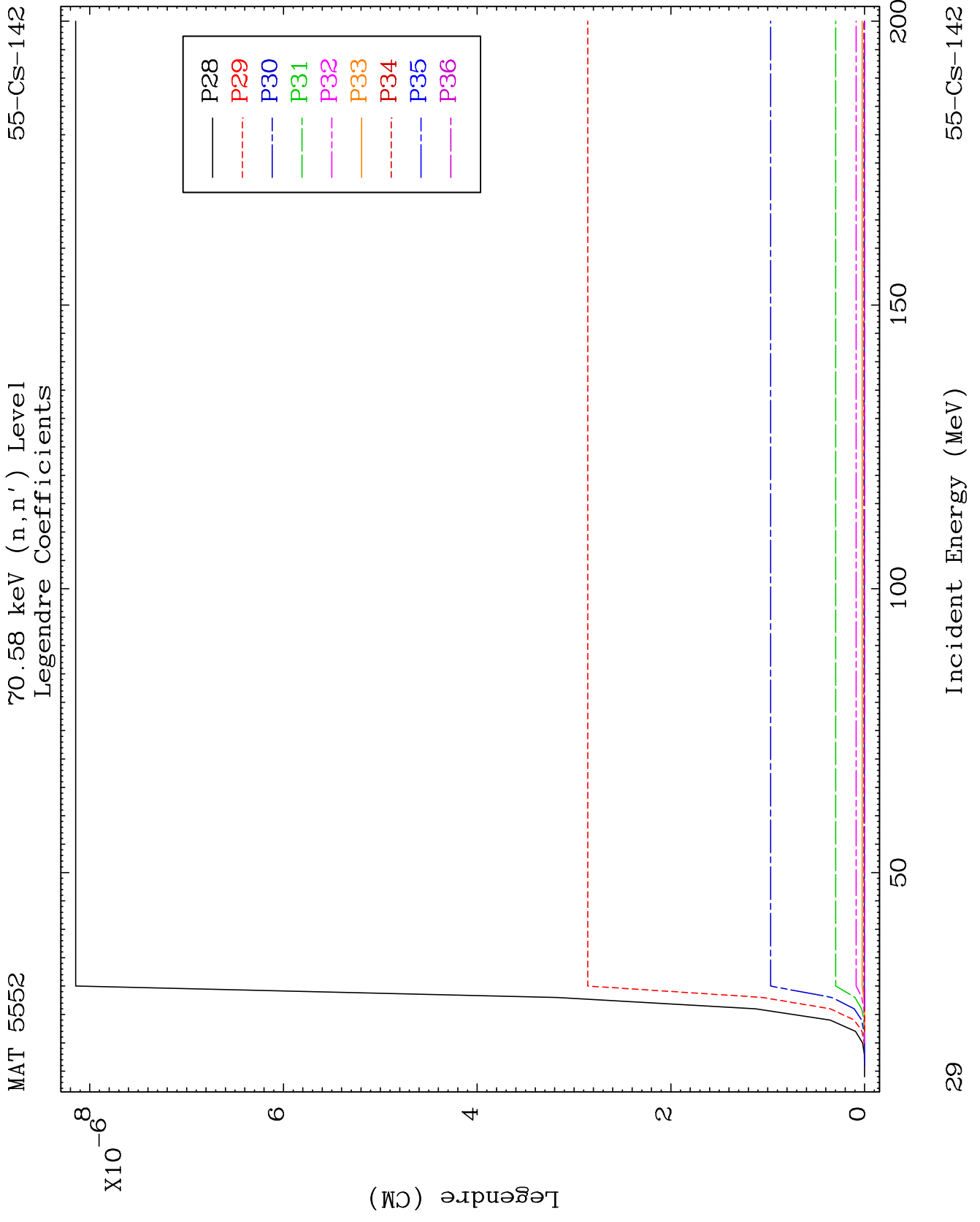
55-Cs-142

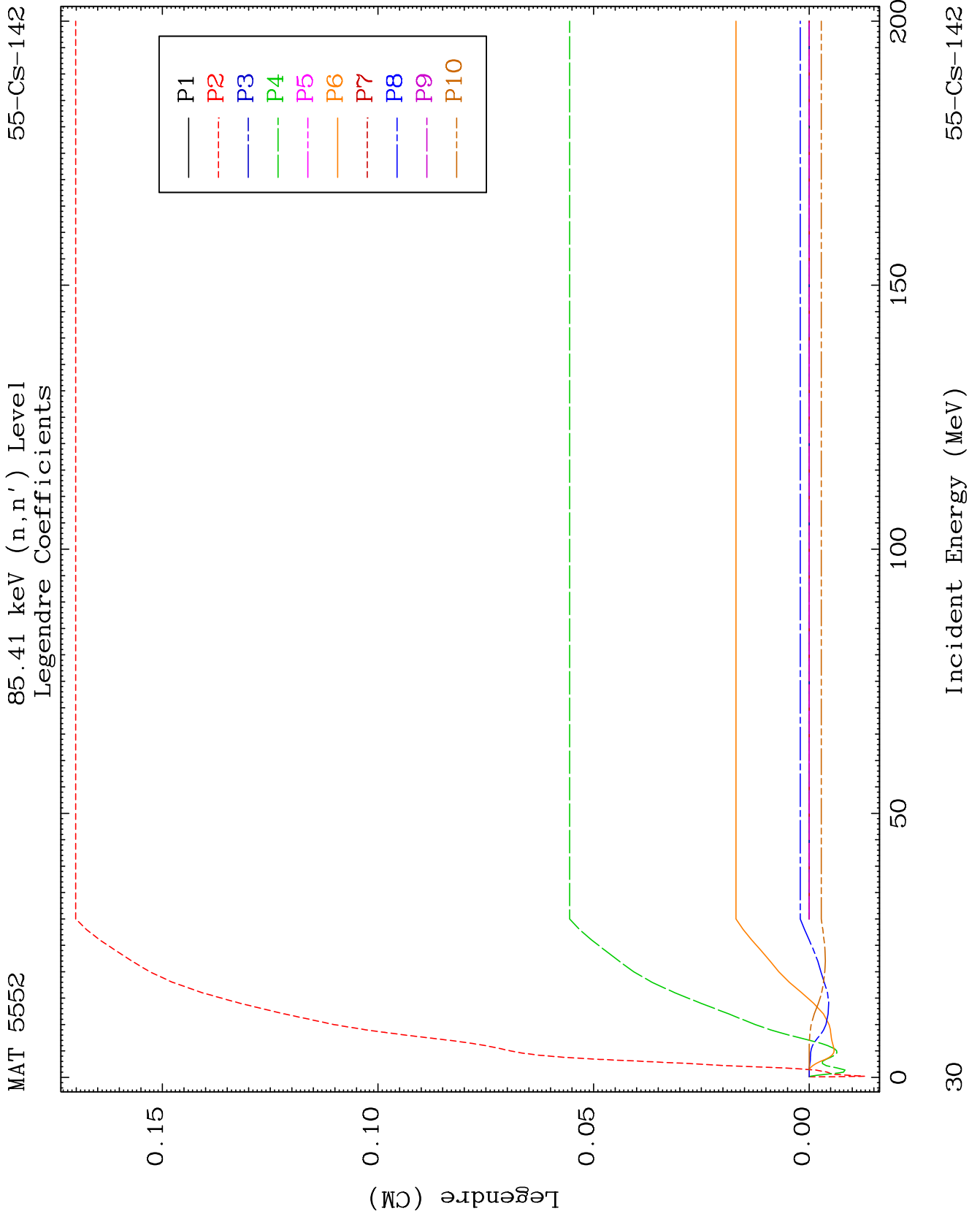


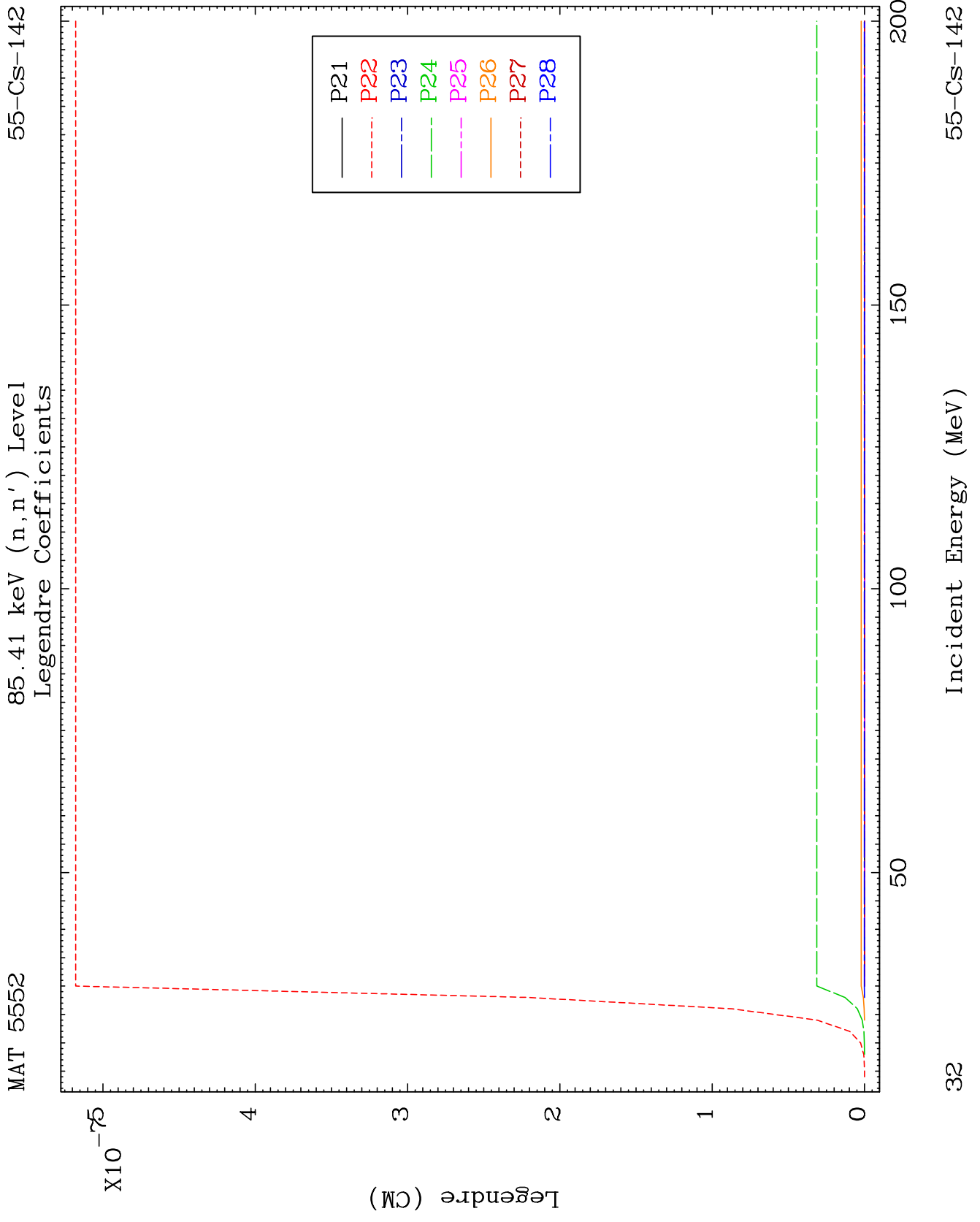
28

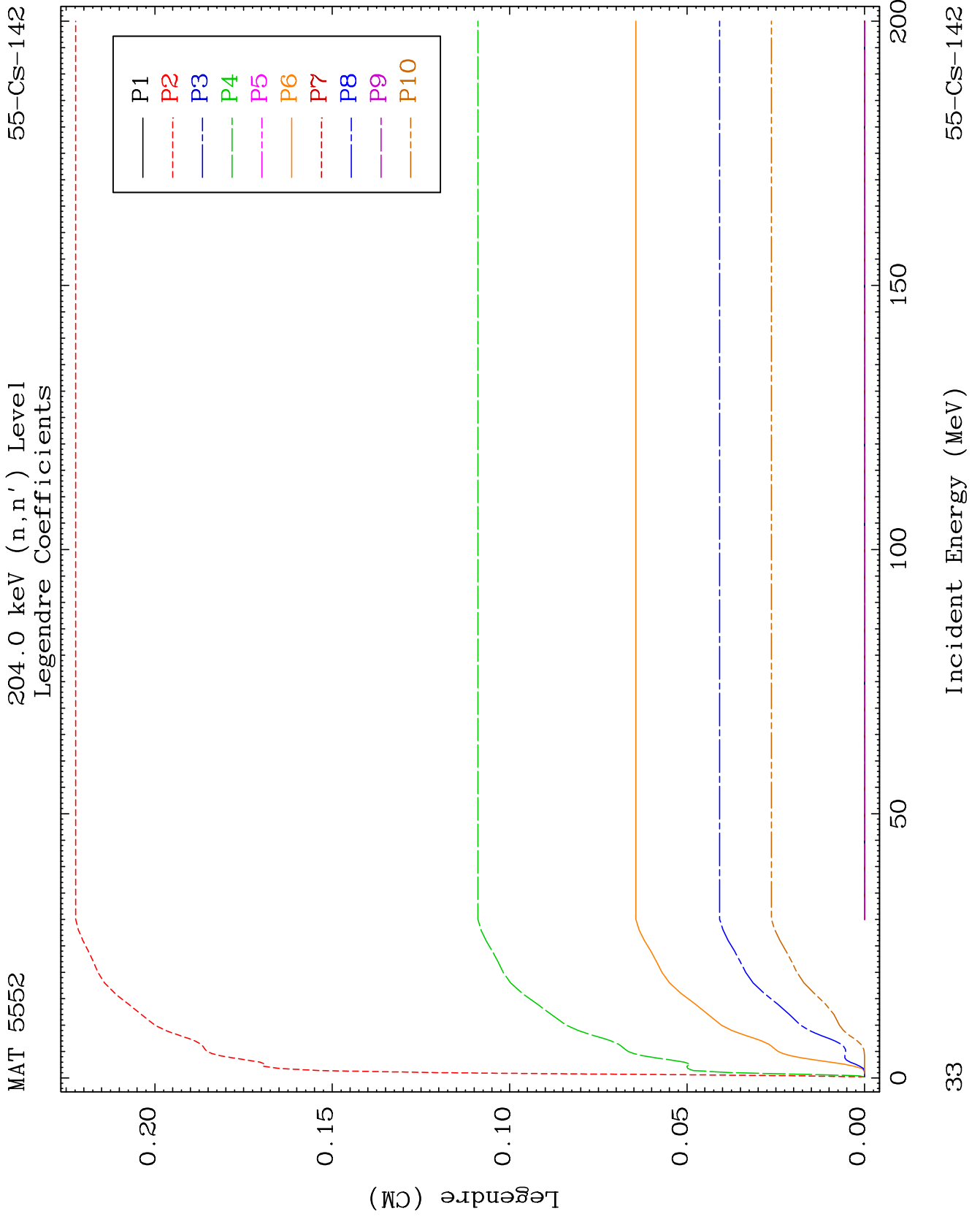
Incident Energy (MeV)

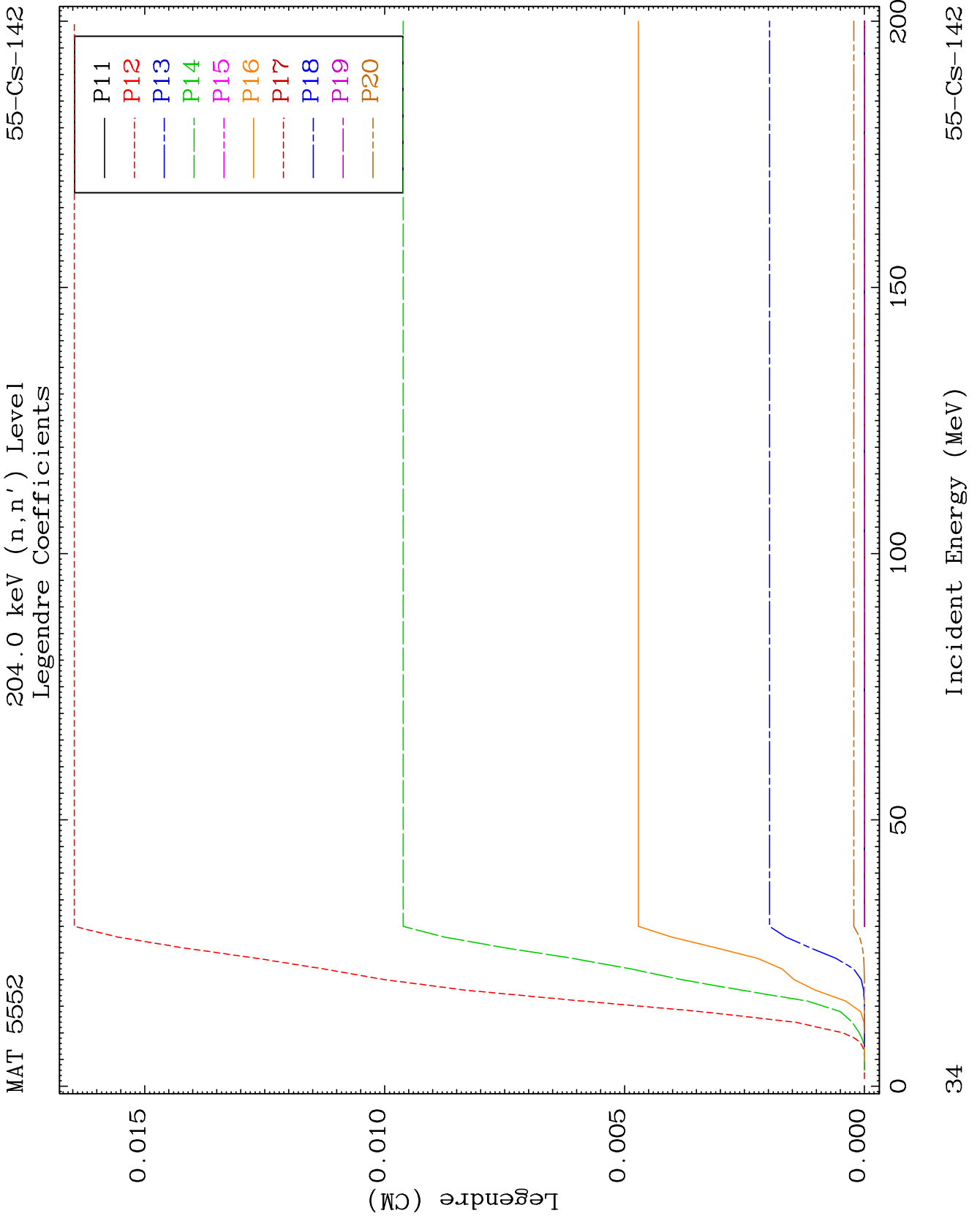
55-Cs-142

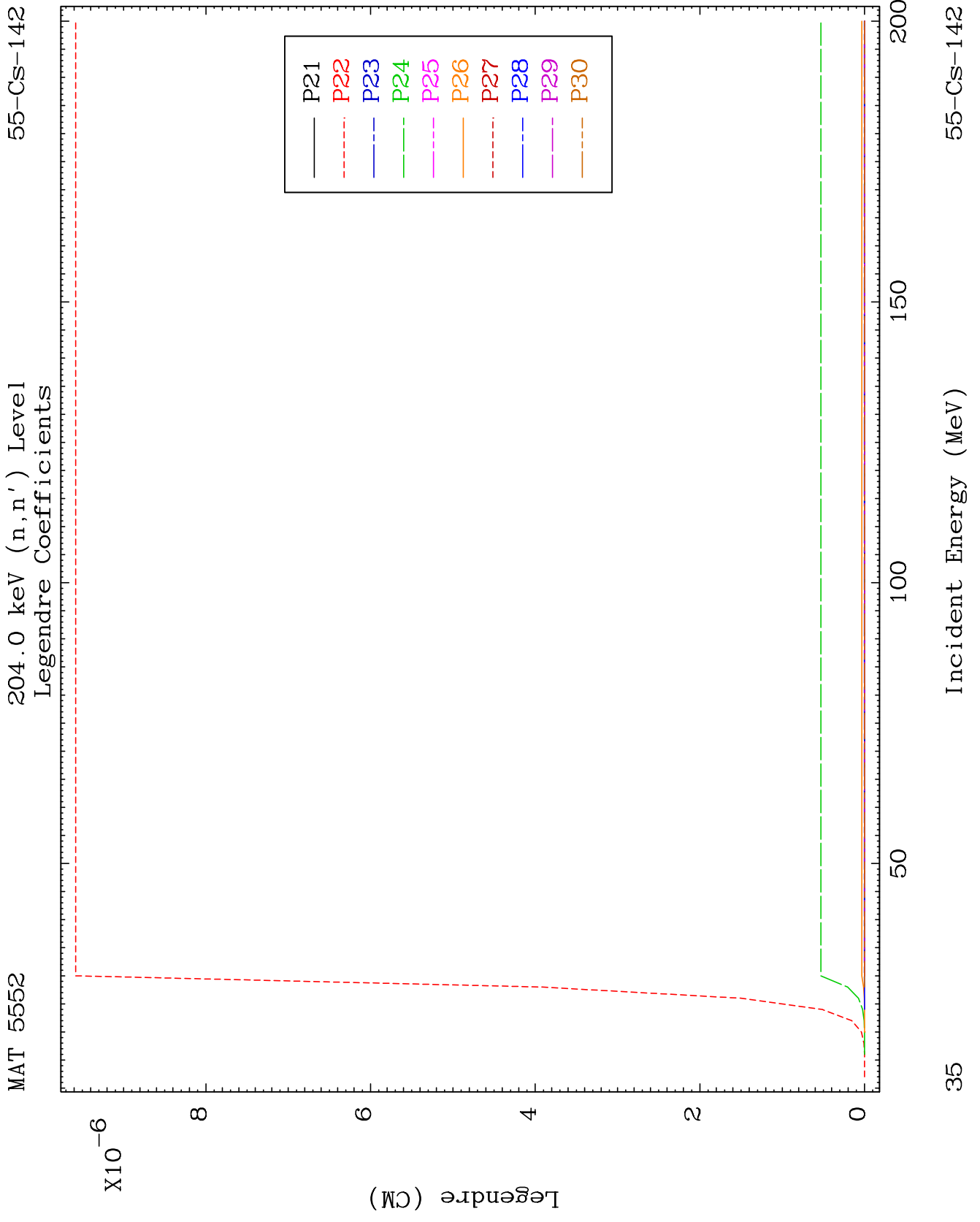








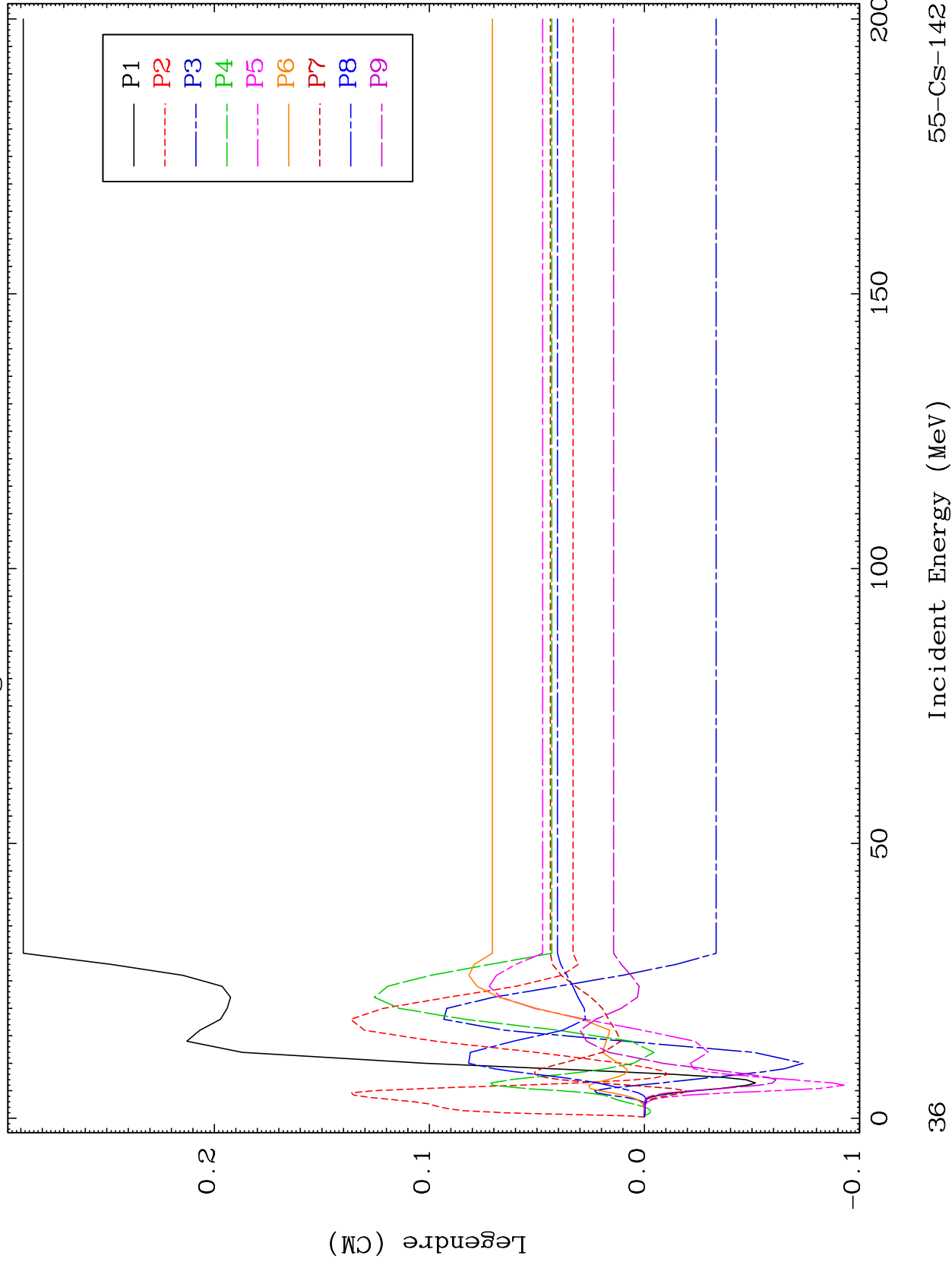




MAT 5552

210.1 keV (n,n') Level
Legendre Coefficients

55-Cs-142



55-Cs-142

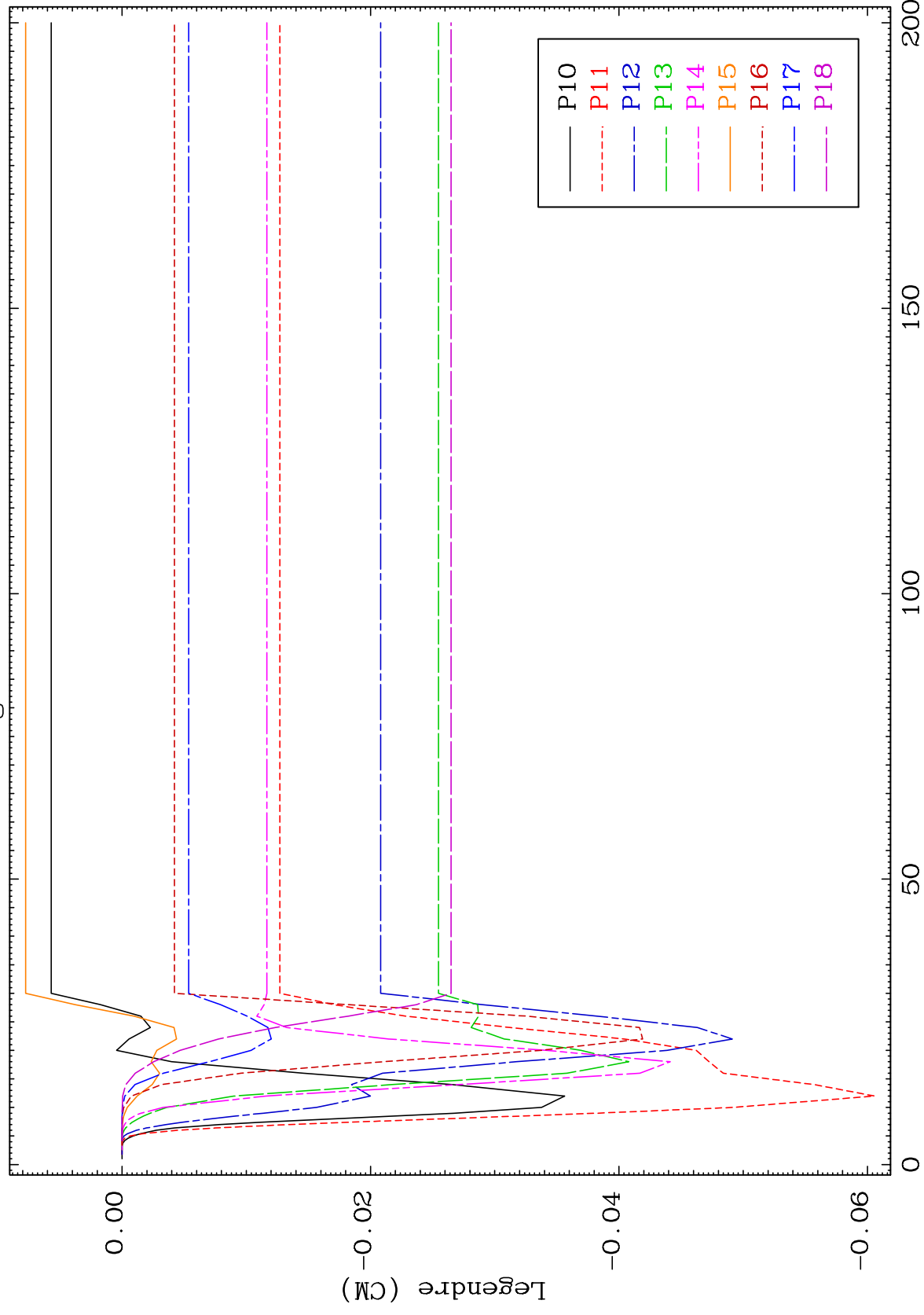
Incident Energy (MeV)

36

MAT 5552

210.1 keV (n,n') Level
Legendre Coefficients

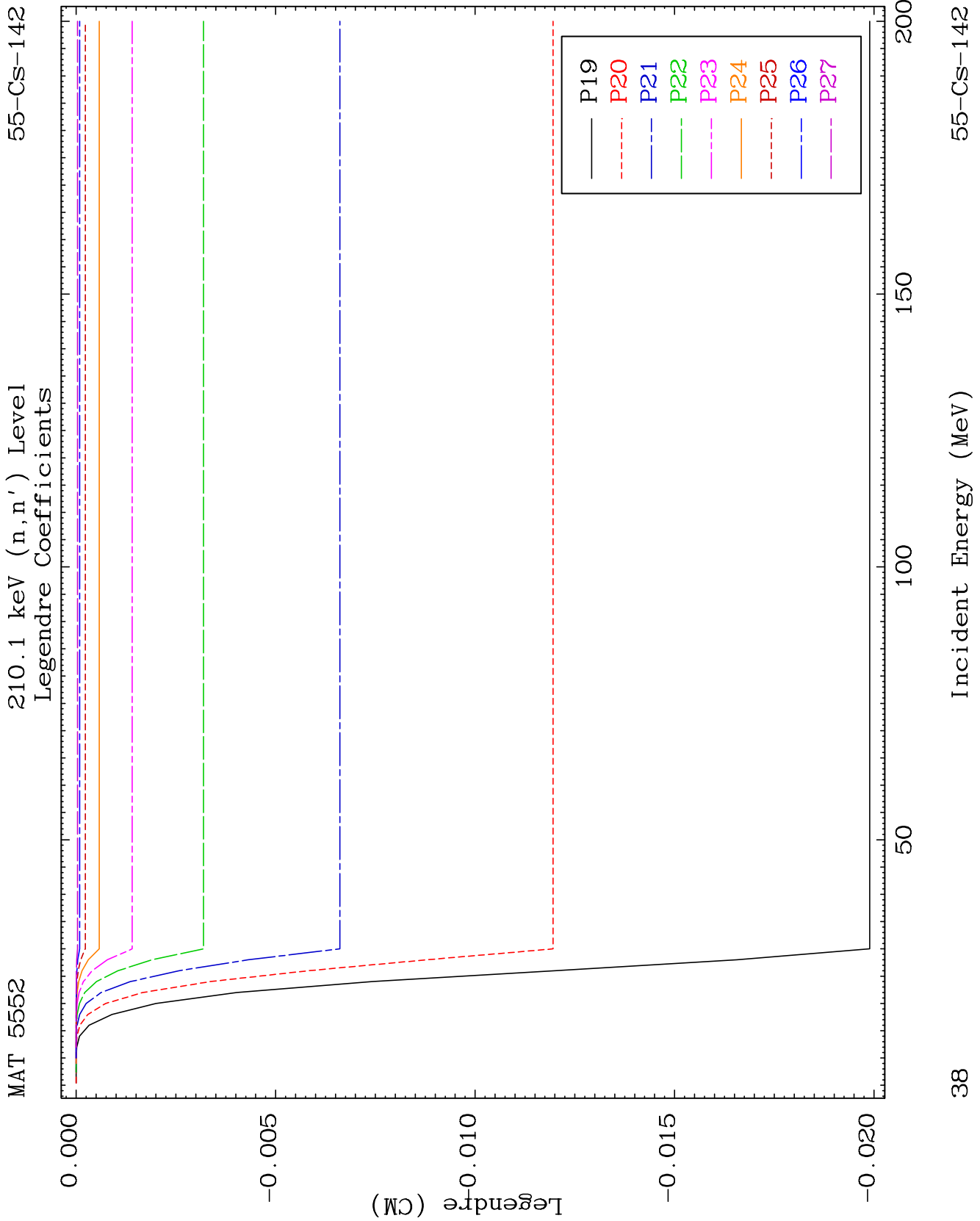
55-Cs-142

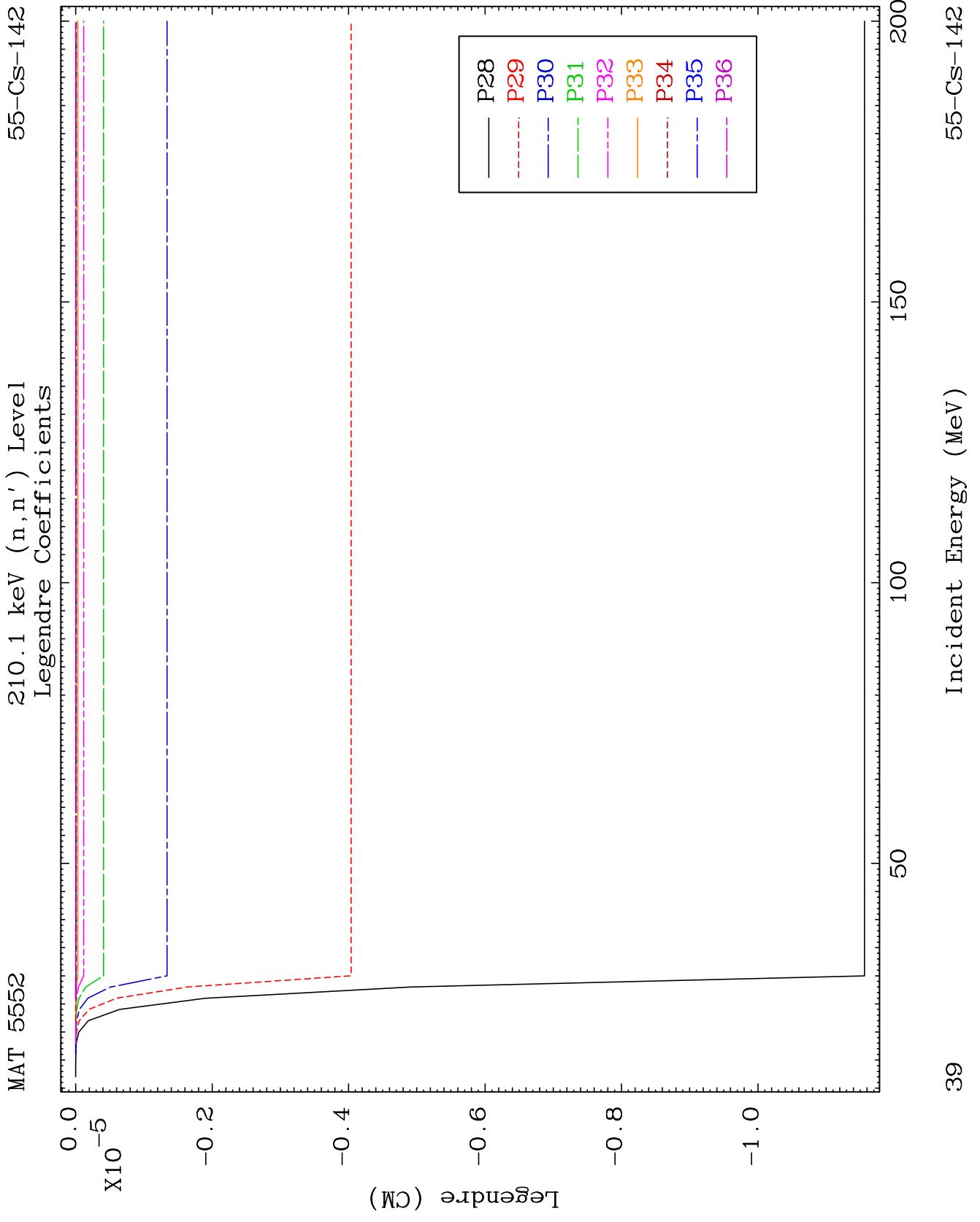


37

Incident Energy (MeV)

55-Cs-142

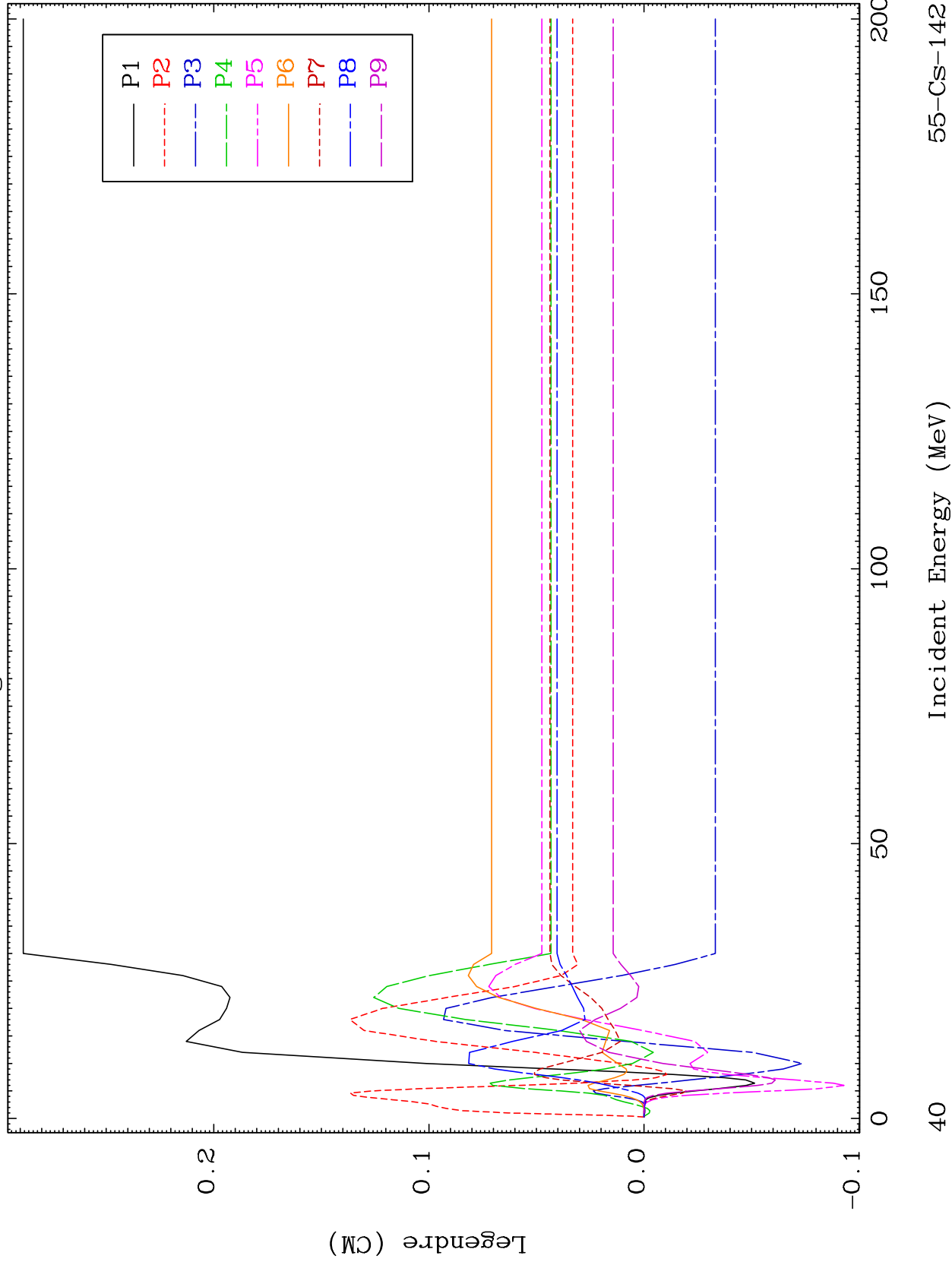




MAT 5552

242.9 keV (n, n') Level
Legendre Coefficients

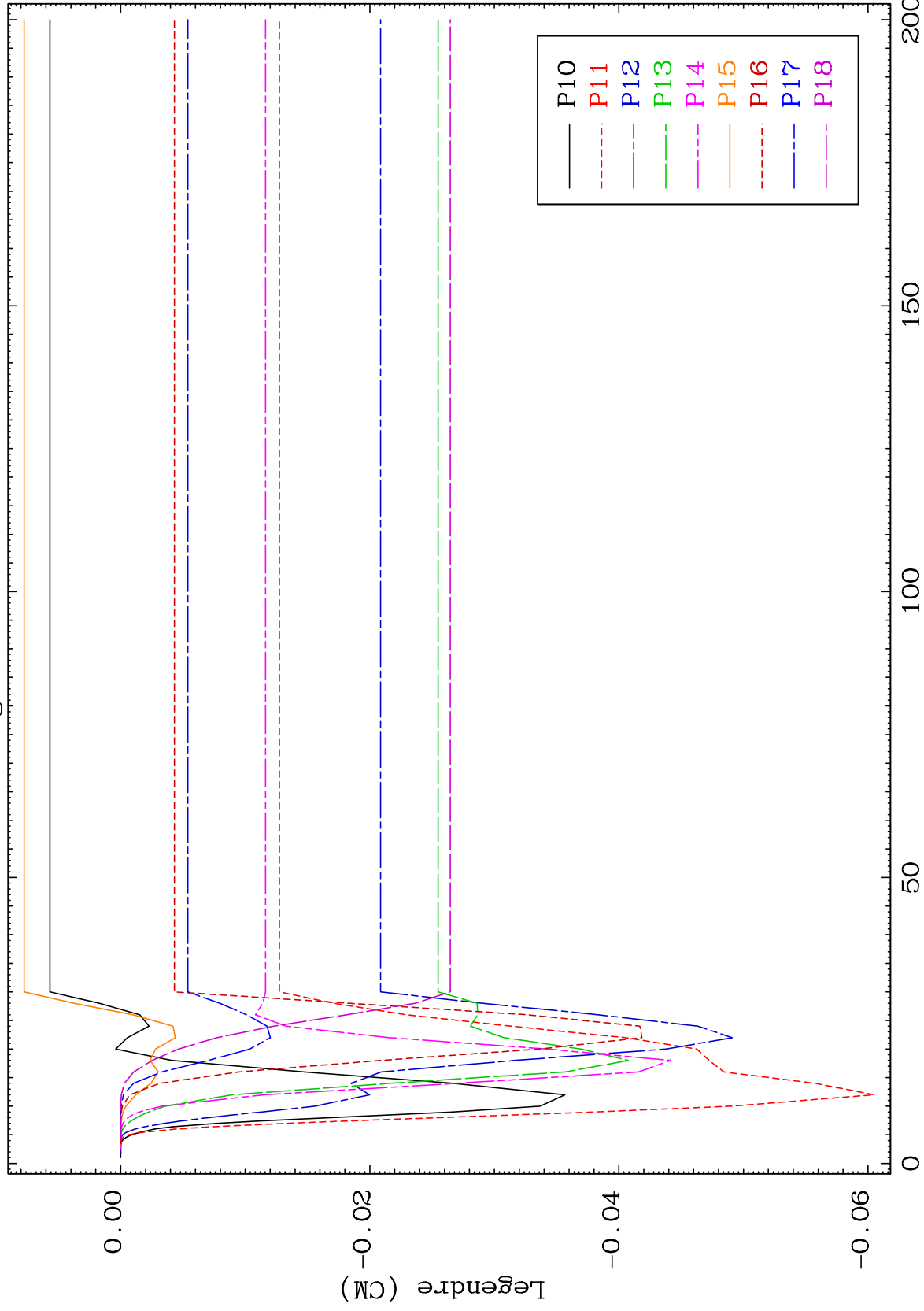
55-Cs-142



MAT 5552

242.9 keV (n,n') Level
Legendre Coefficients

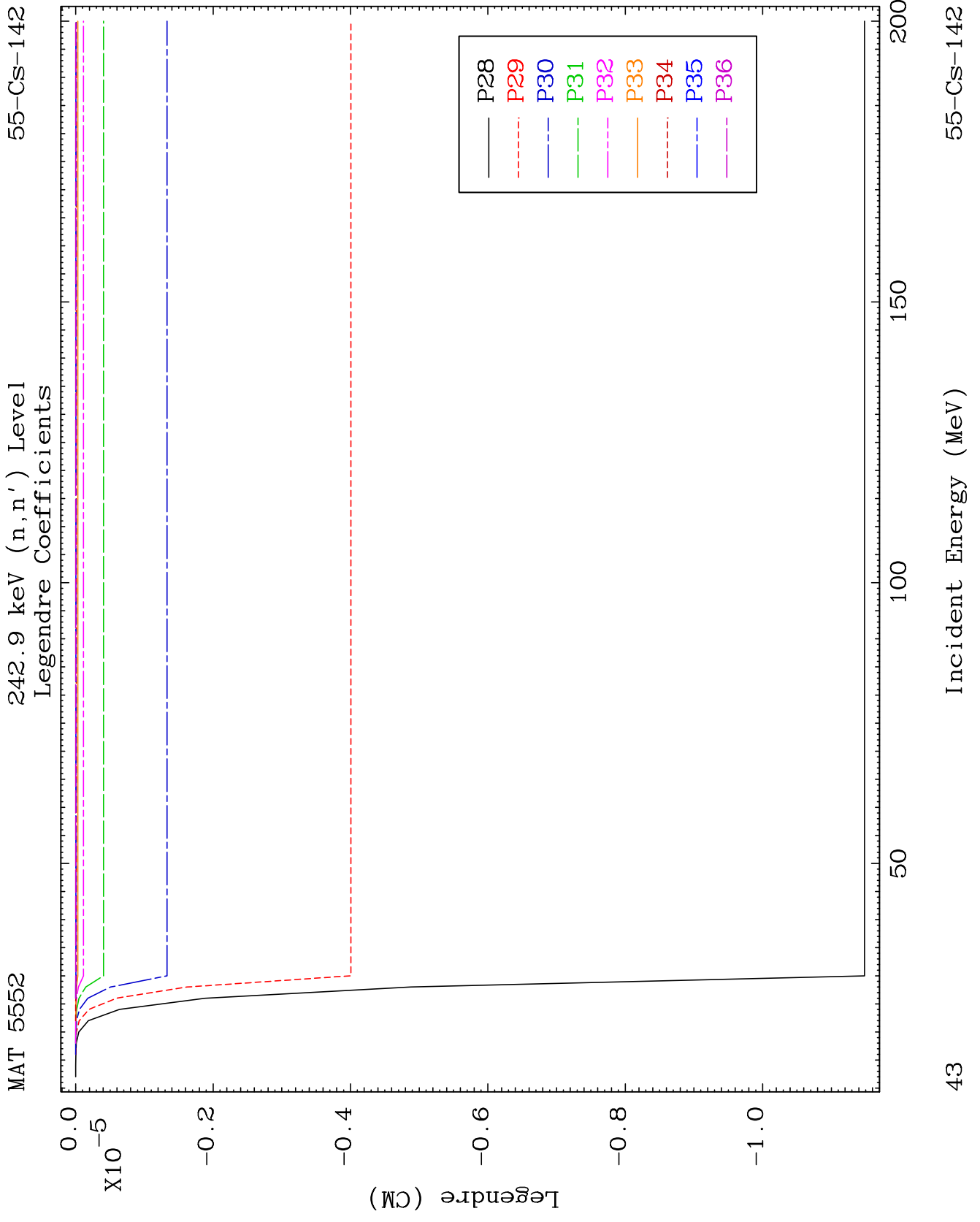
55-Cs-142

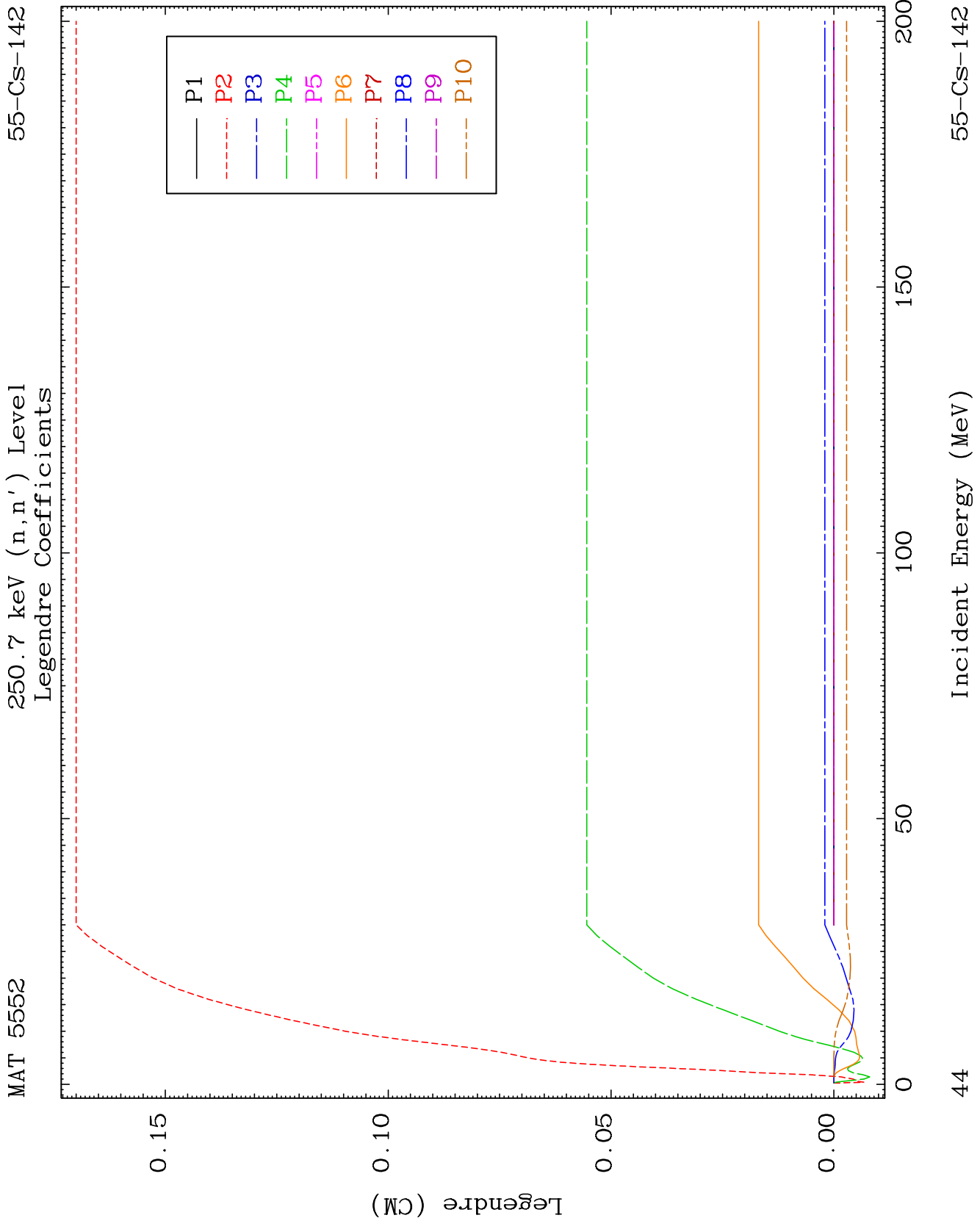


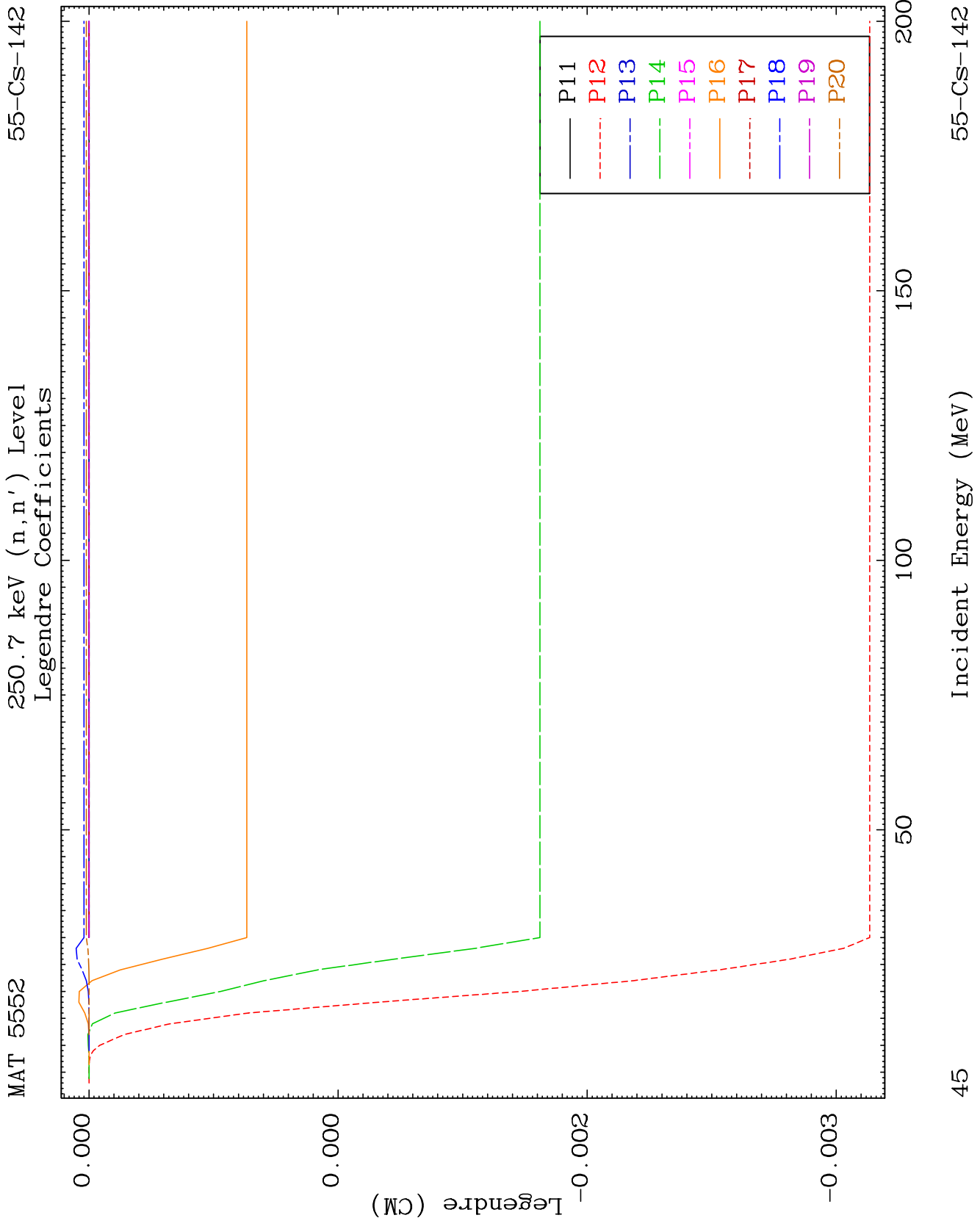
41

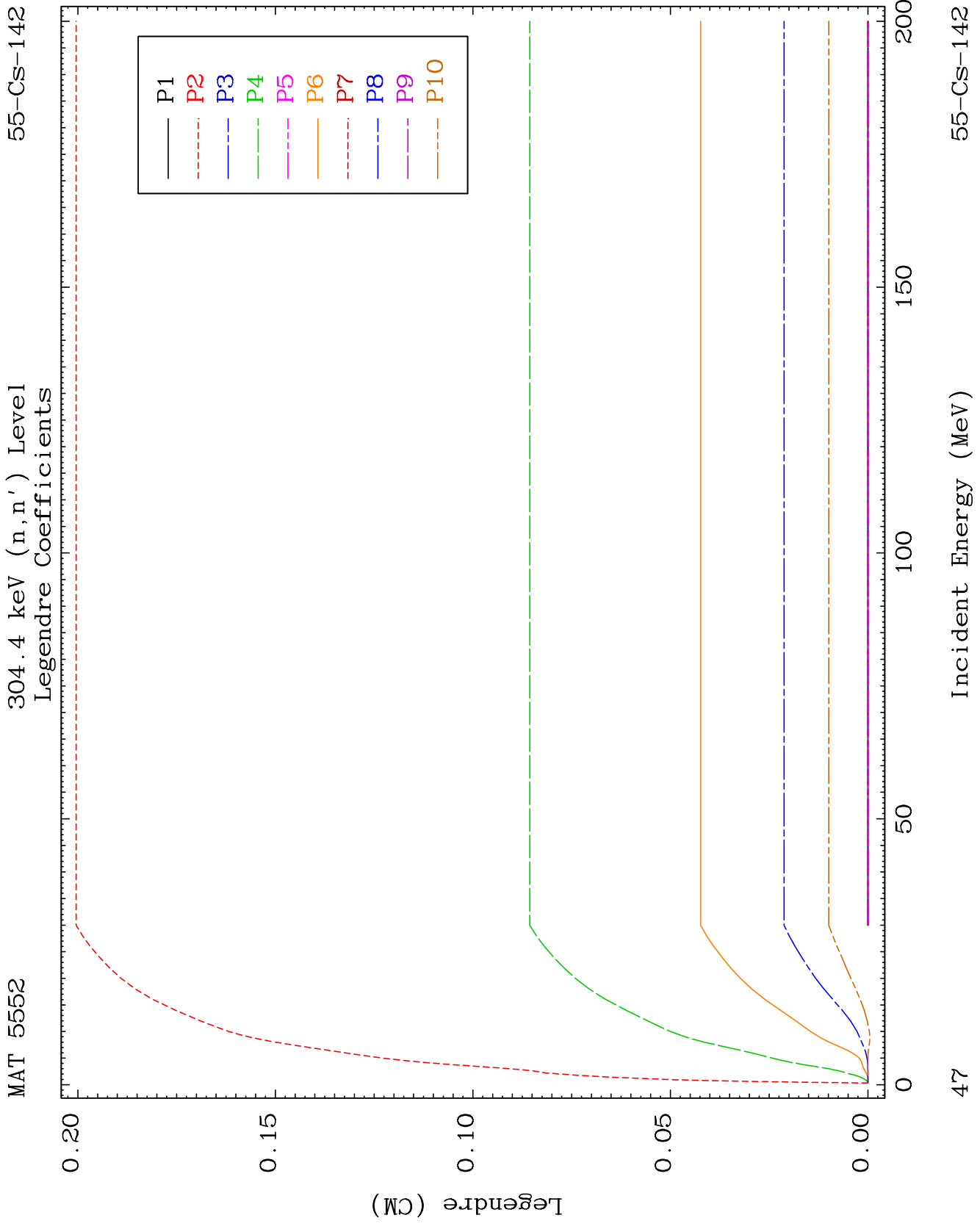
Incident Energy (MeV)

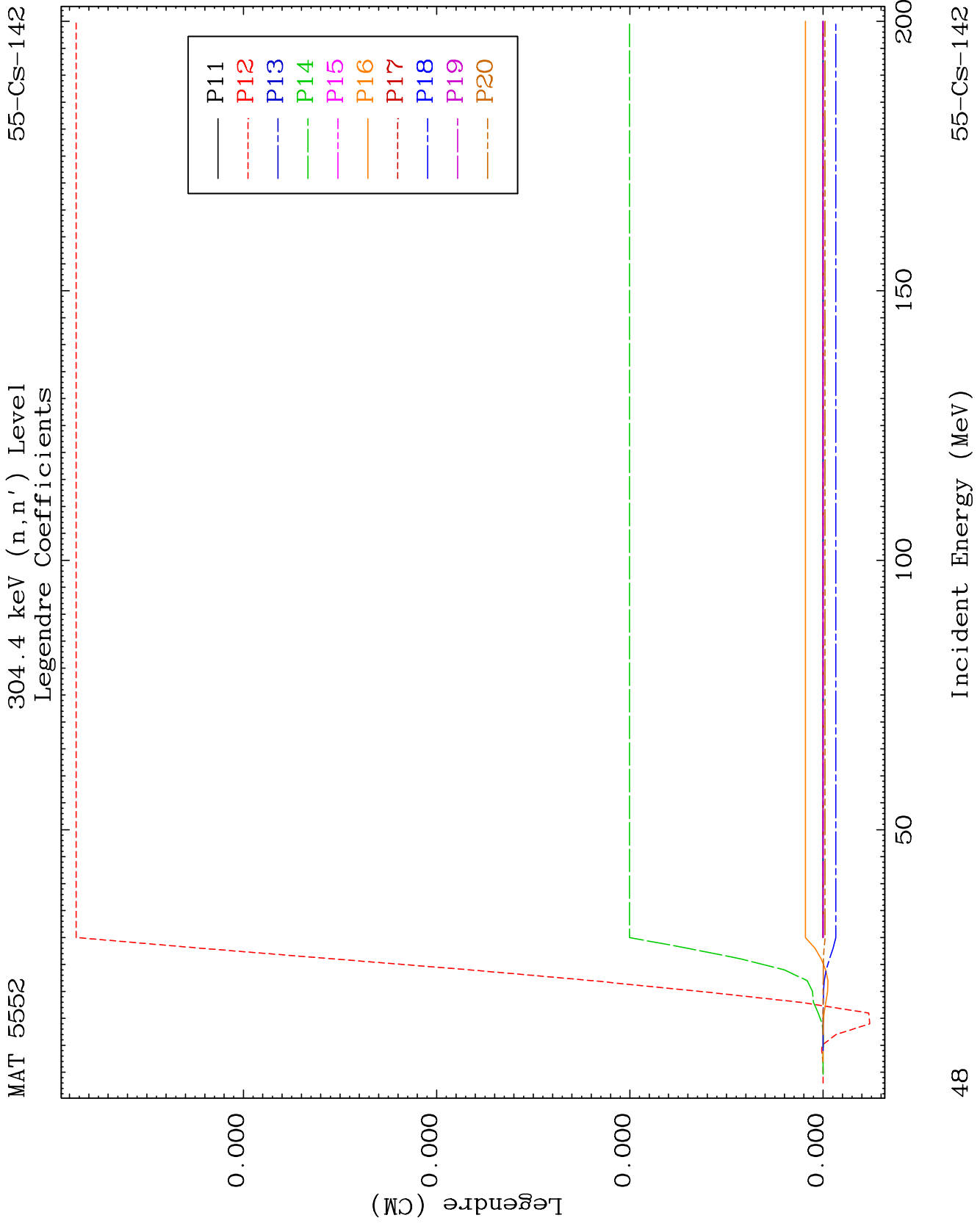
55-Cs-142

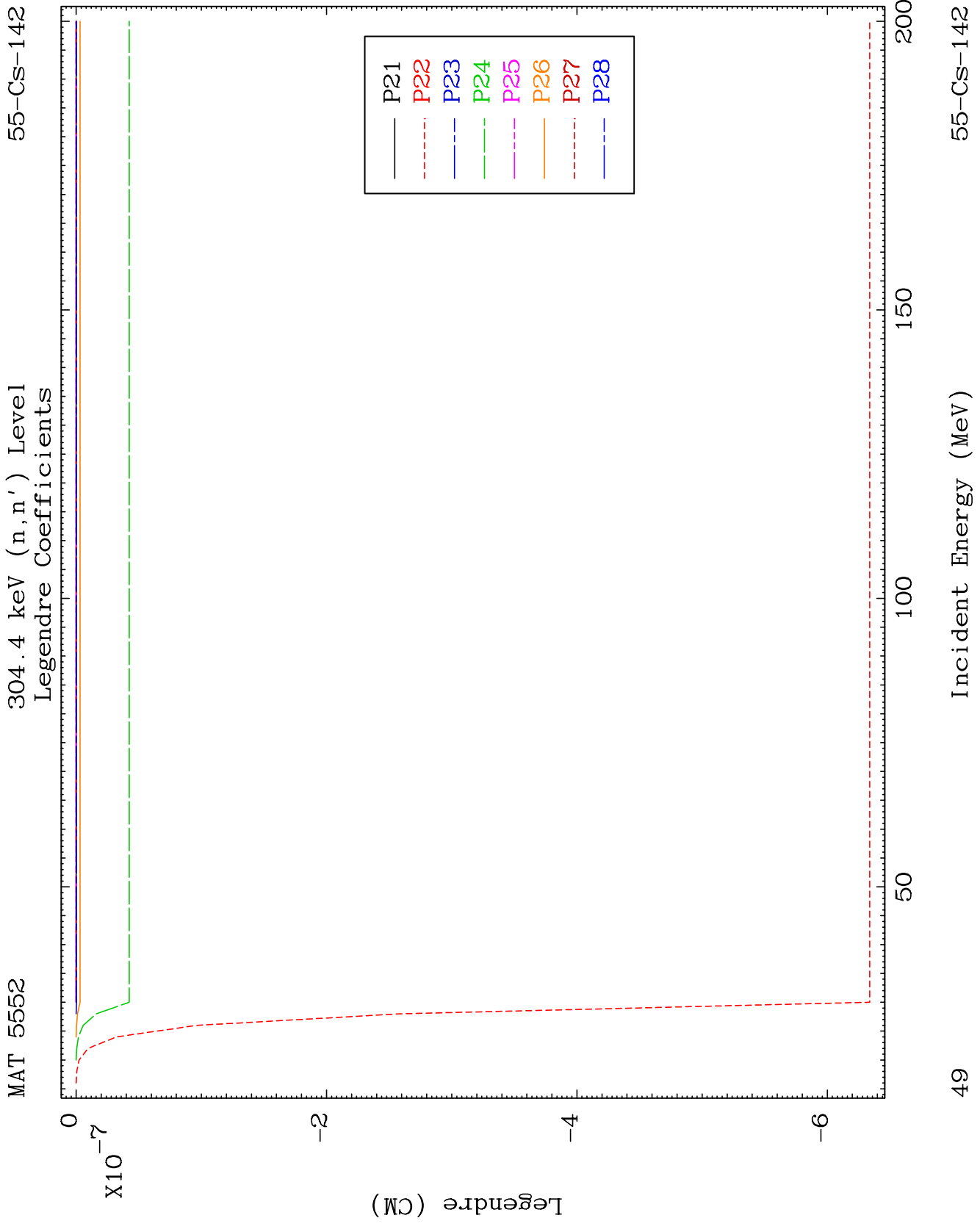








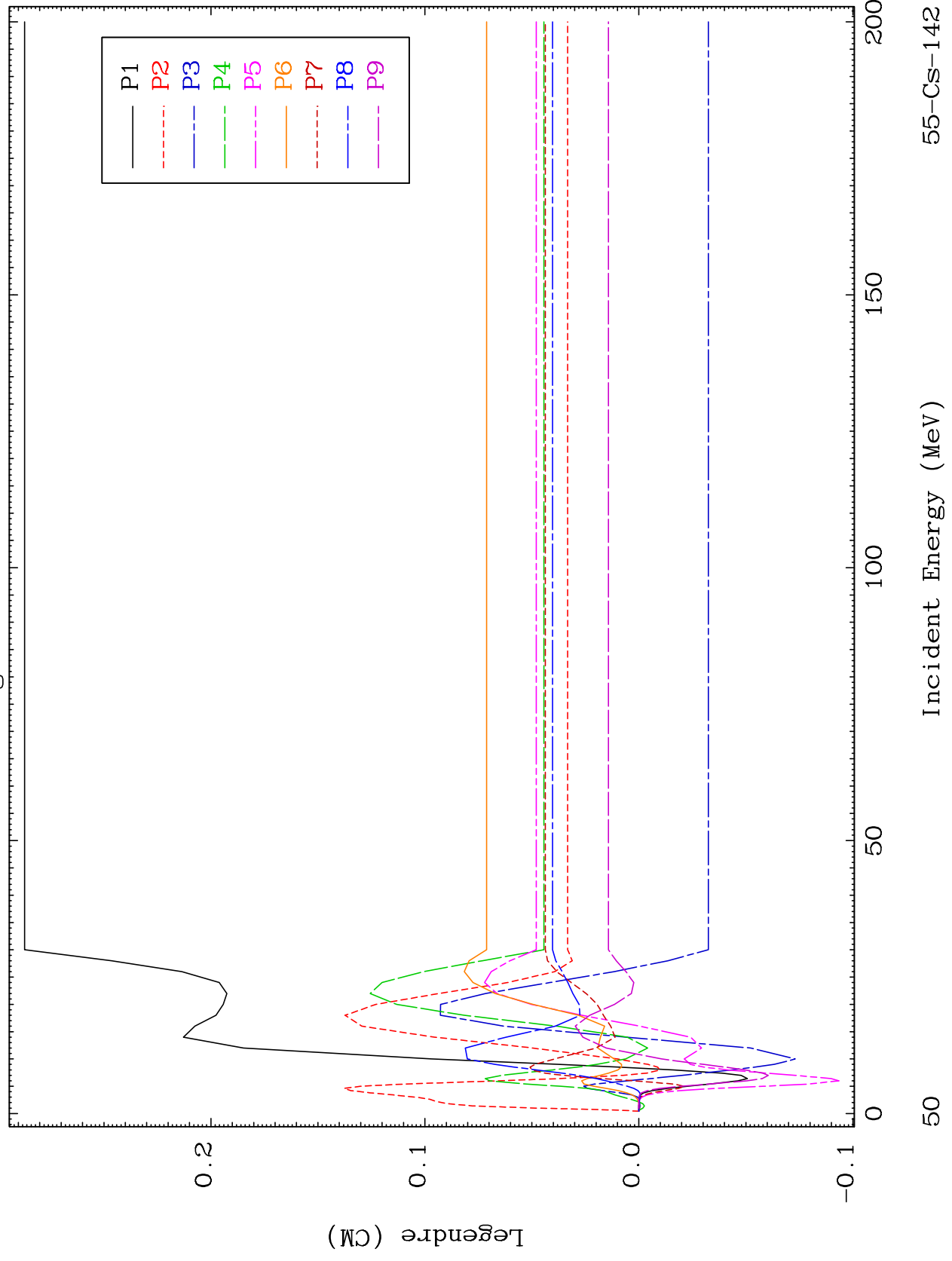




MAT 5552

419.3 keV (n,n') Level
Legendre Coefficients

55-Cs-142



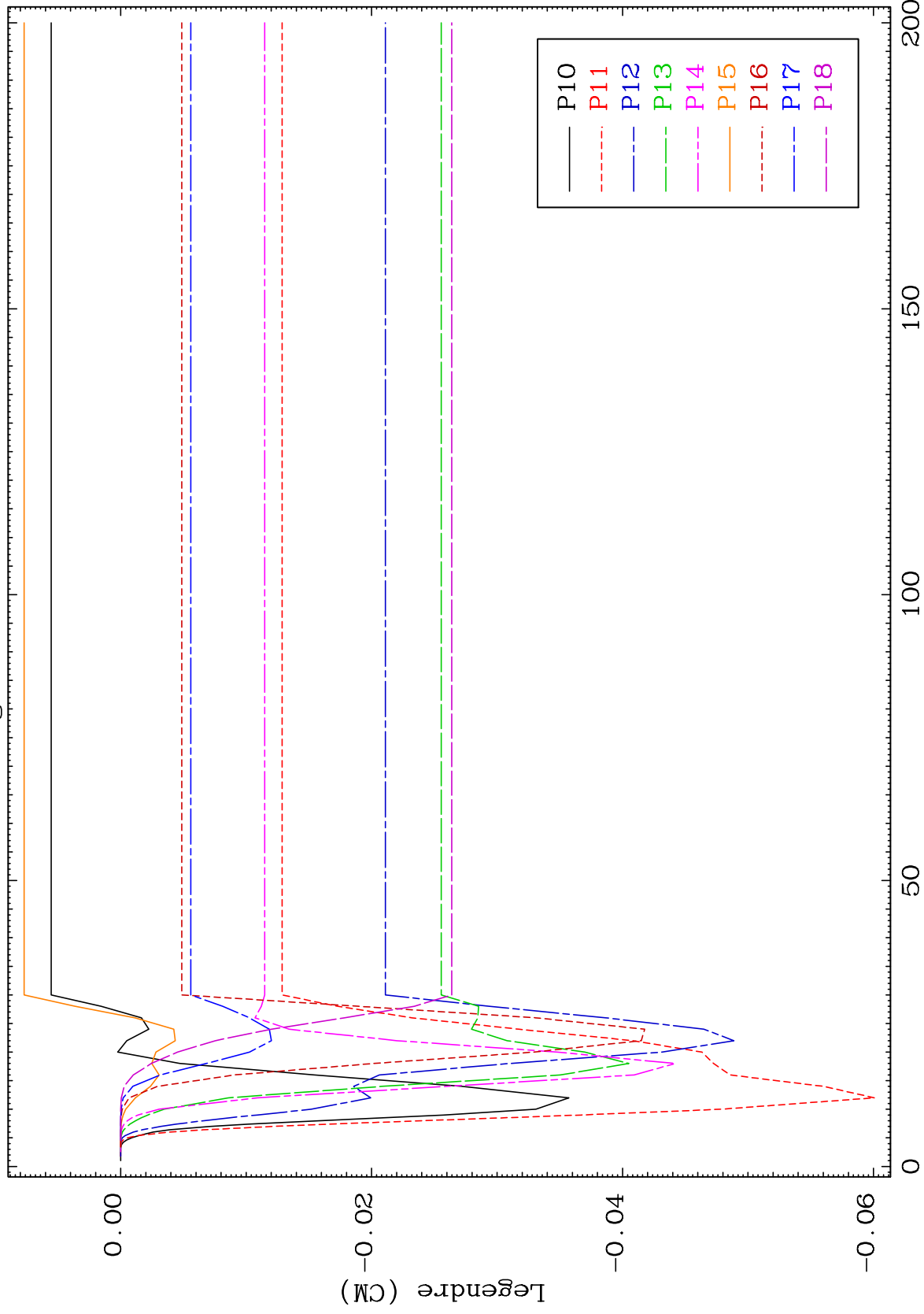
55-Cs-142

Incident Energy (MeV)

MAT 5552

419.3 keV (n,n') Level
Legendre Coefficients

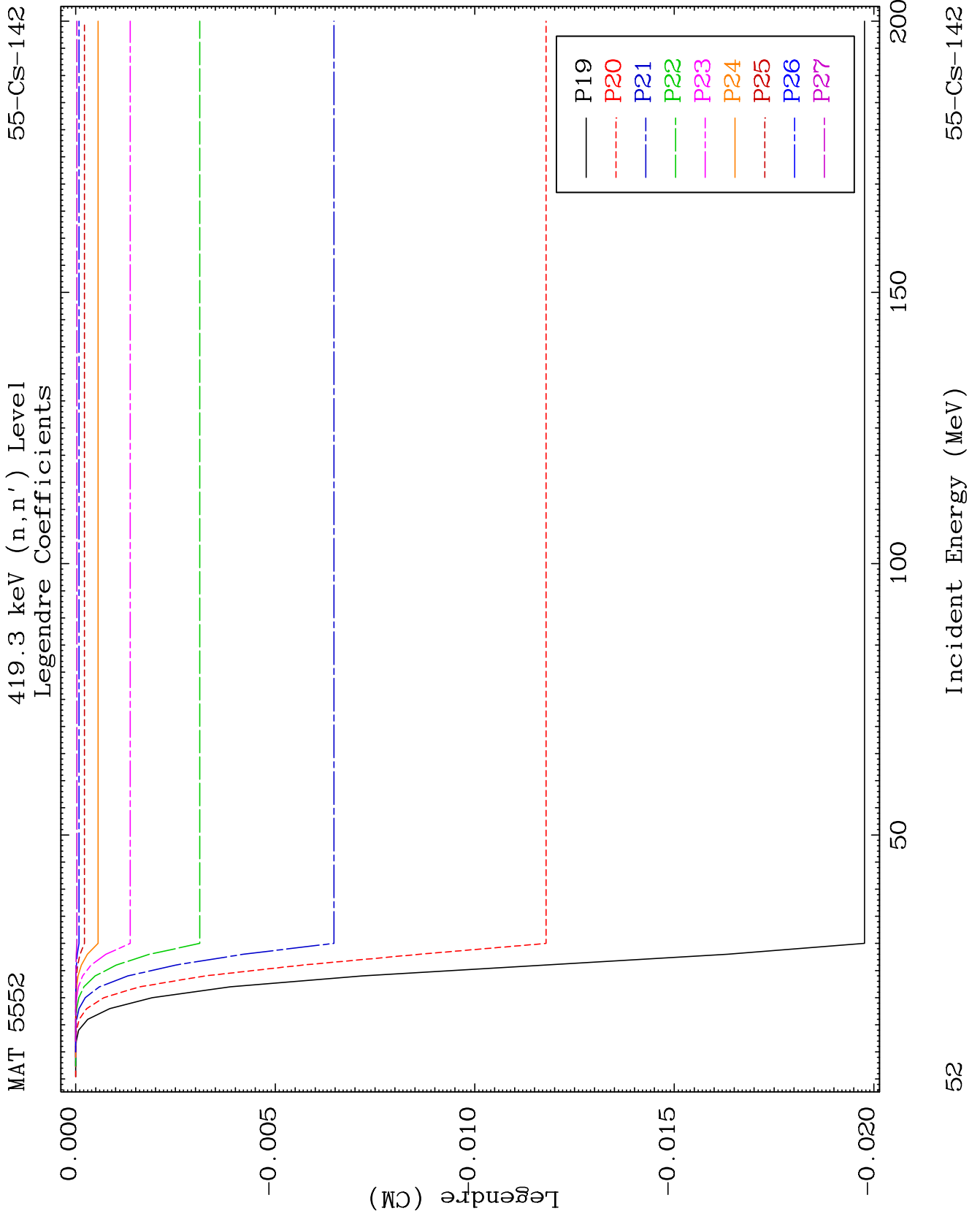
55-Cs-142

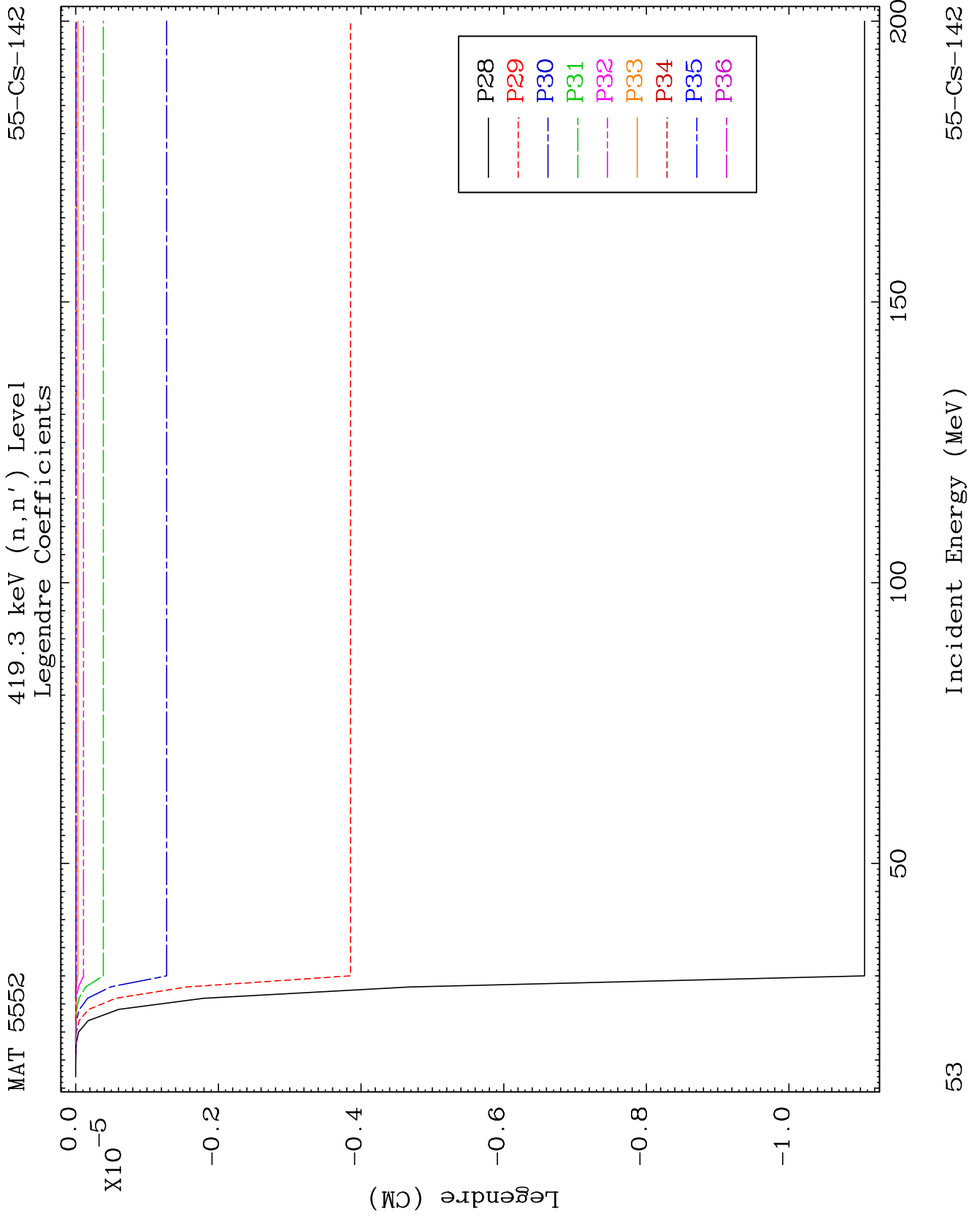


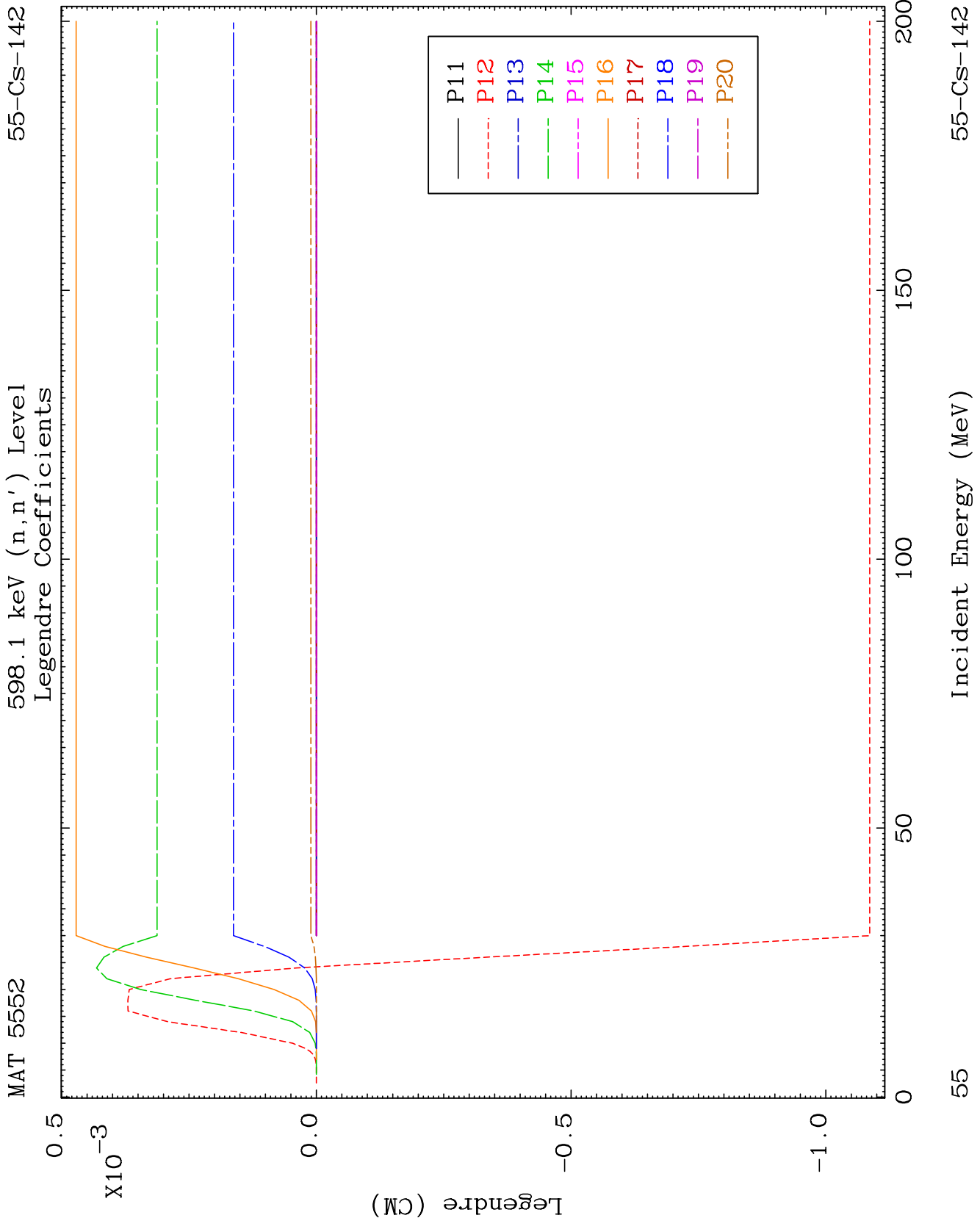
51

Incident Energy (MeV)

55-Cs-142



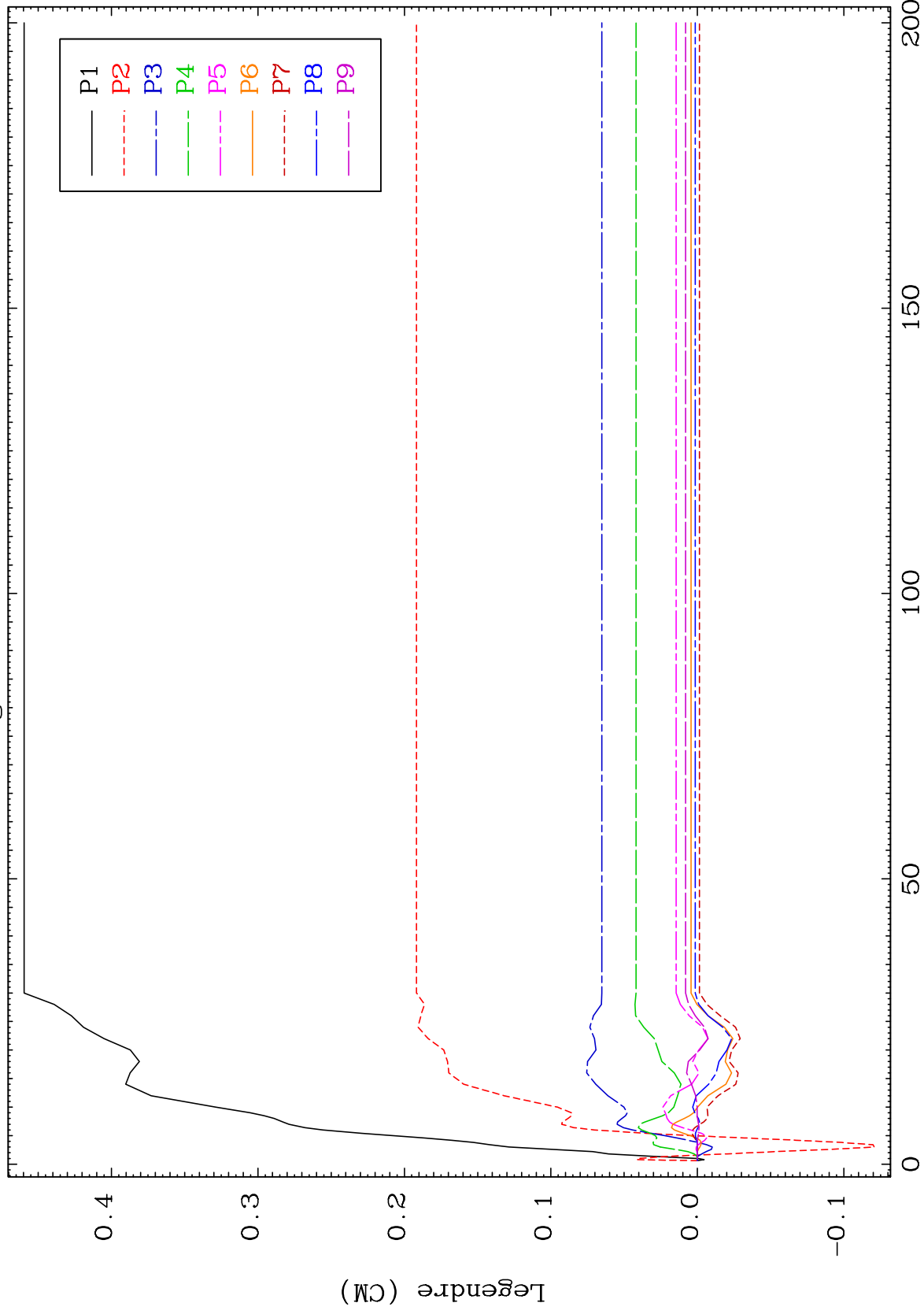




MAT 5552

600.1 keV (n,n') Level
Legendre Coefficients

55-Cs-142



55-Cs-142

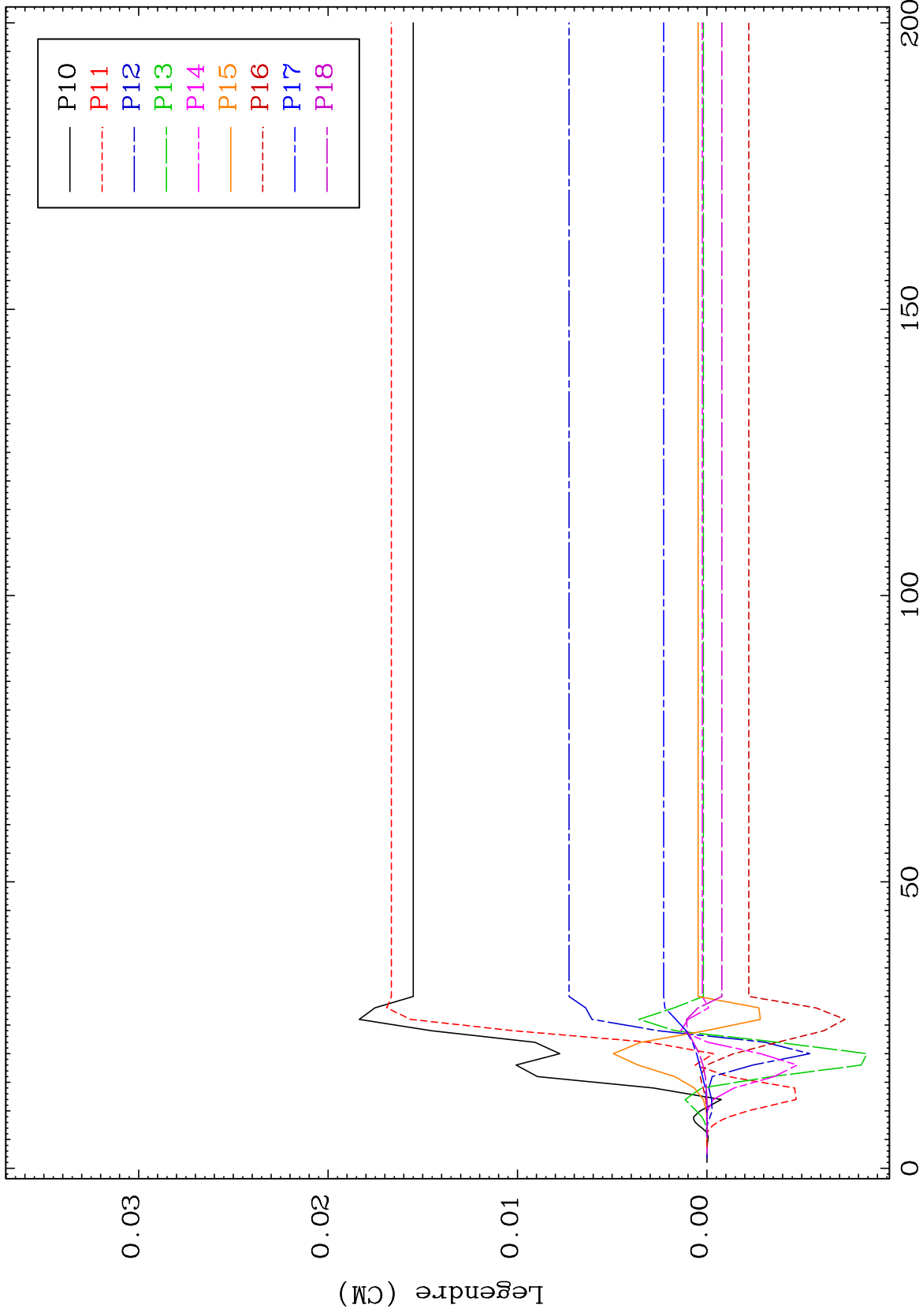
Incident Energy (MeV)

57

MAT 5552

600.1 keV (n,n') Level
Legendre Coefficients

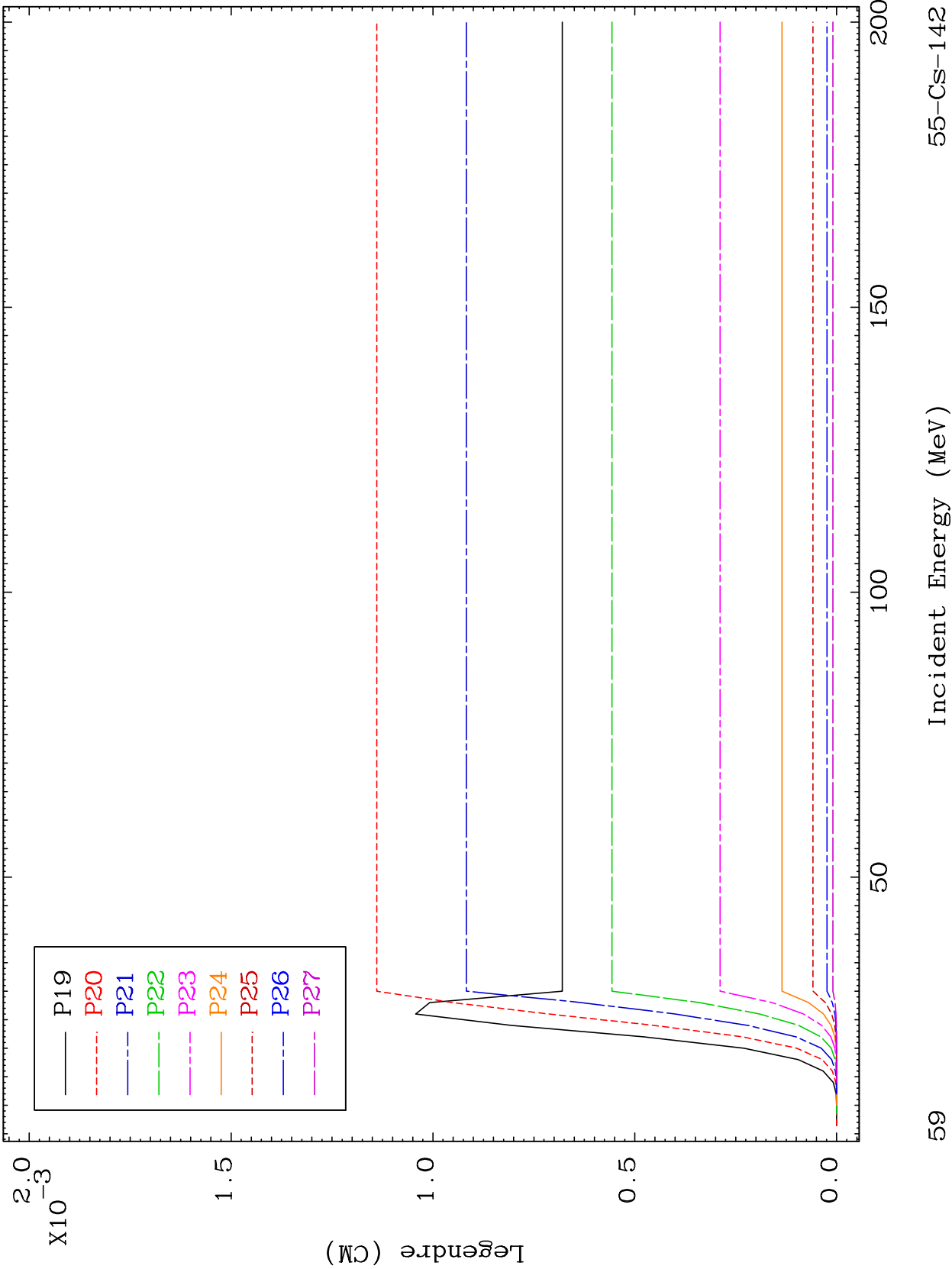
55-Cs-142

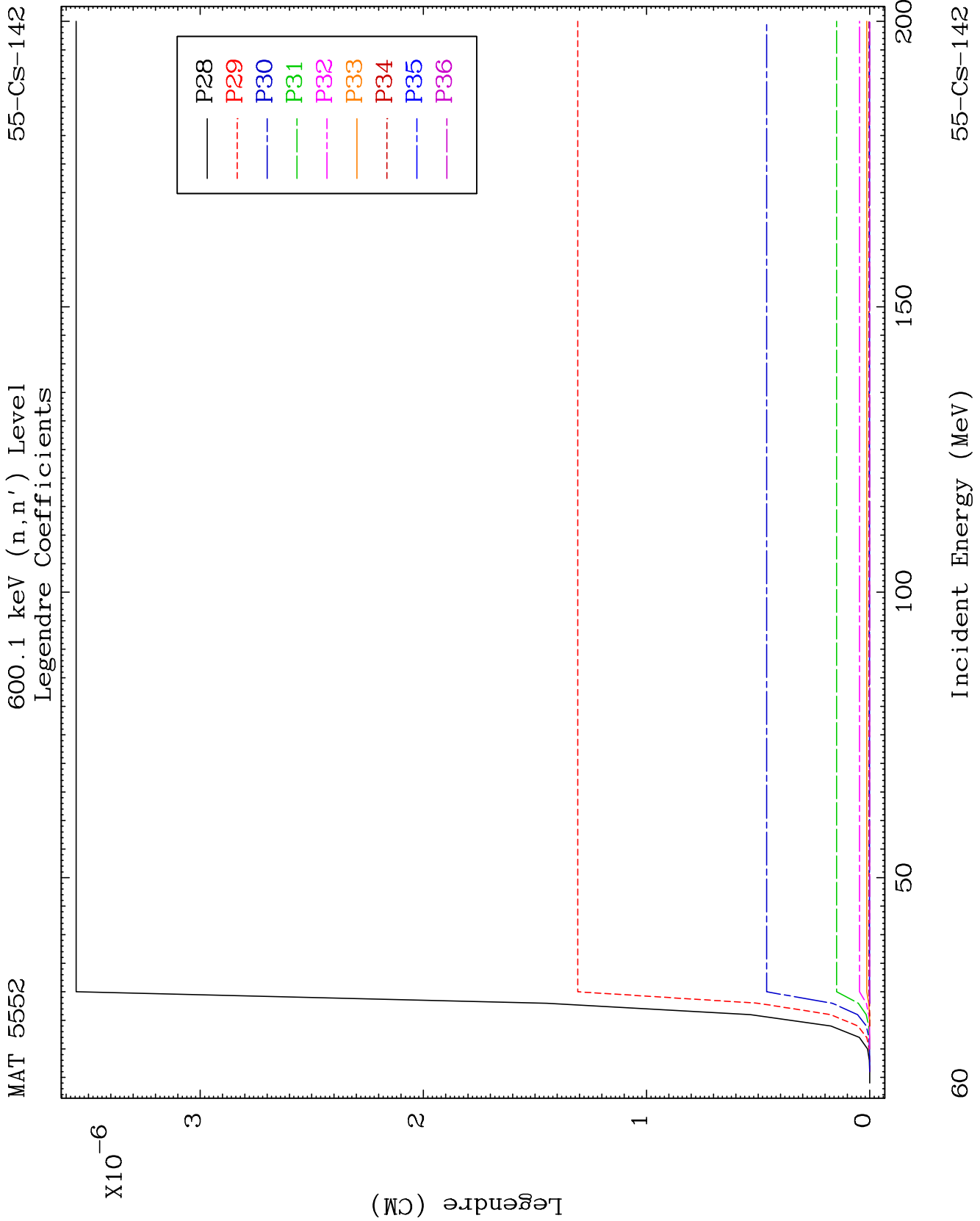


58

Incident Energy (MeV)

55-Cs-142

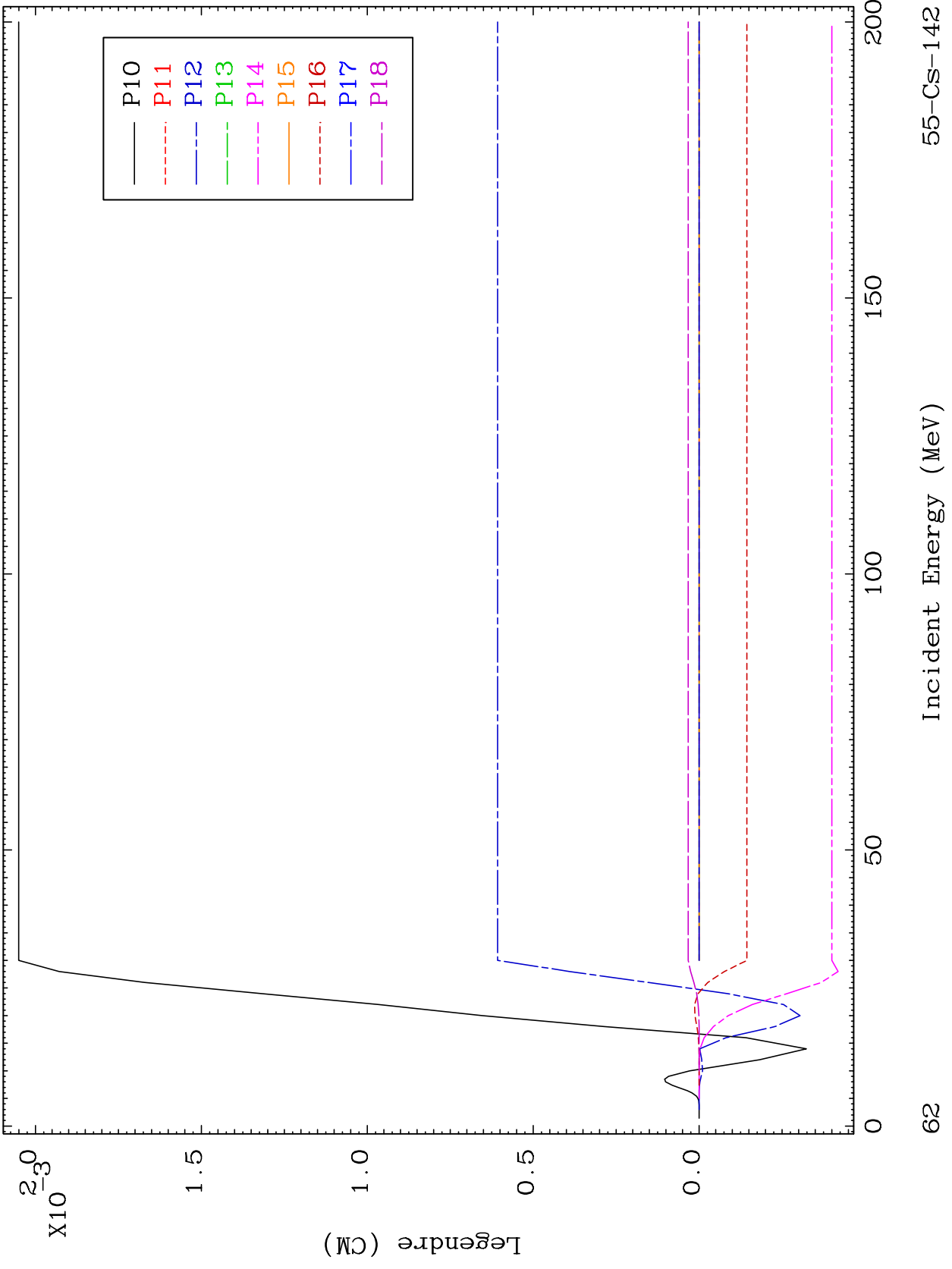




MAT 5552

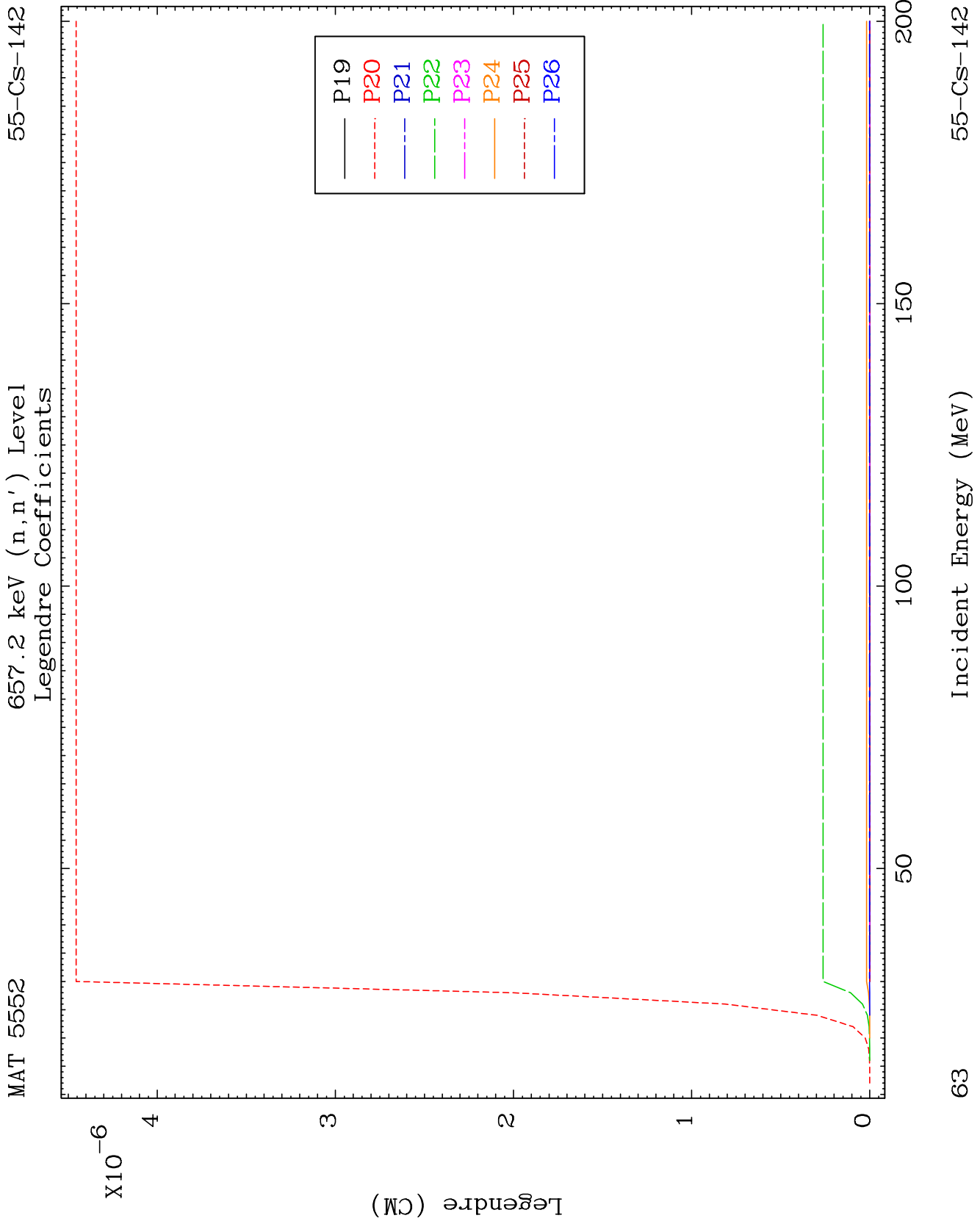
657.2 keV (n,n') Level
Legendre Coefficients

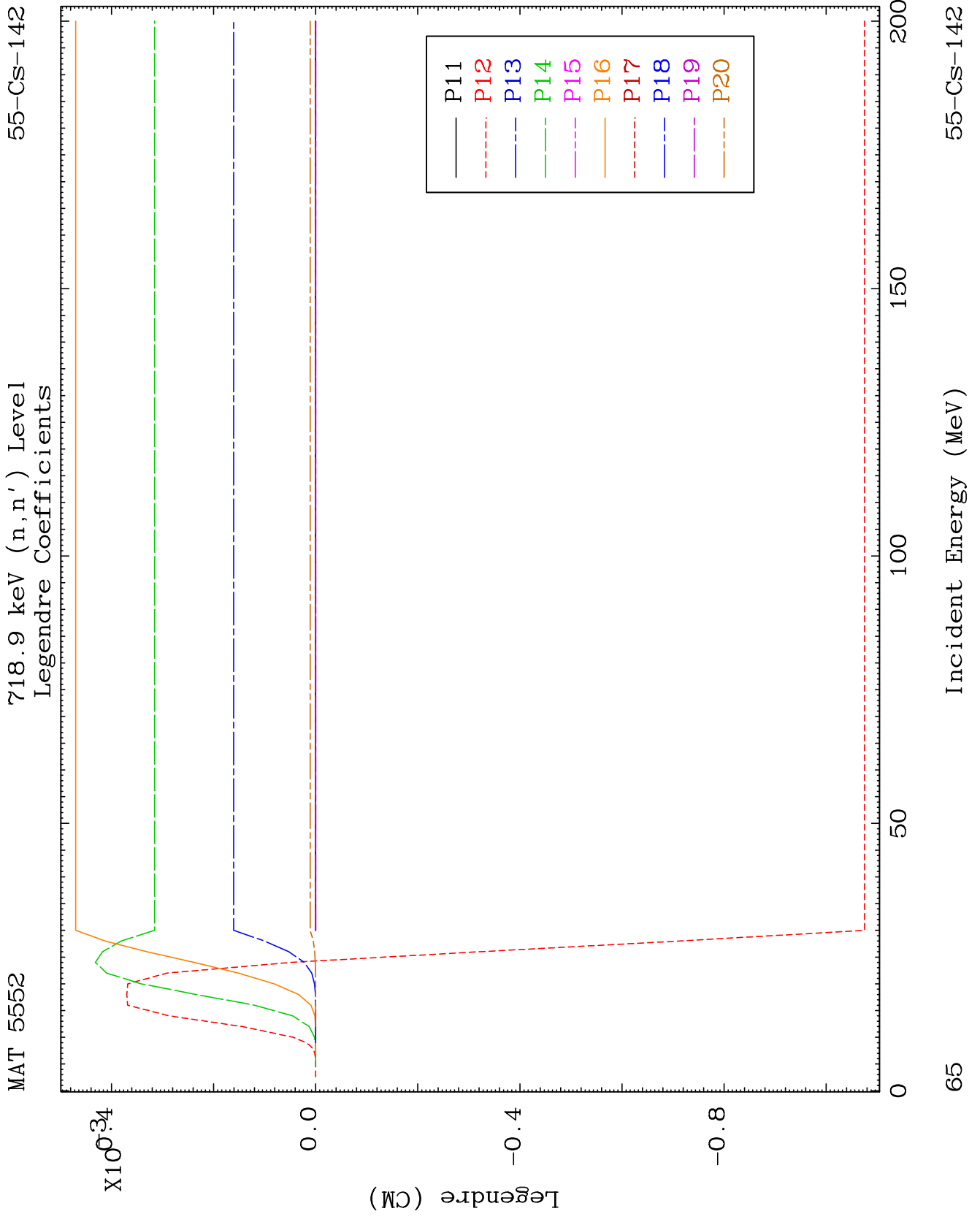
55-Cs-142

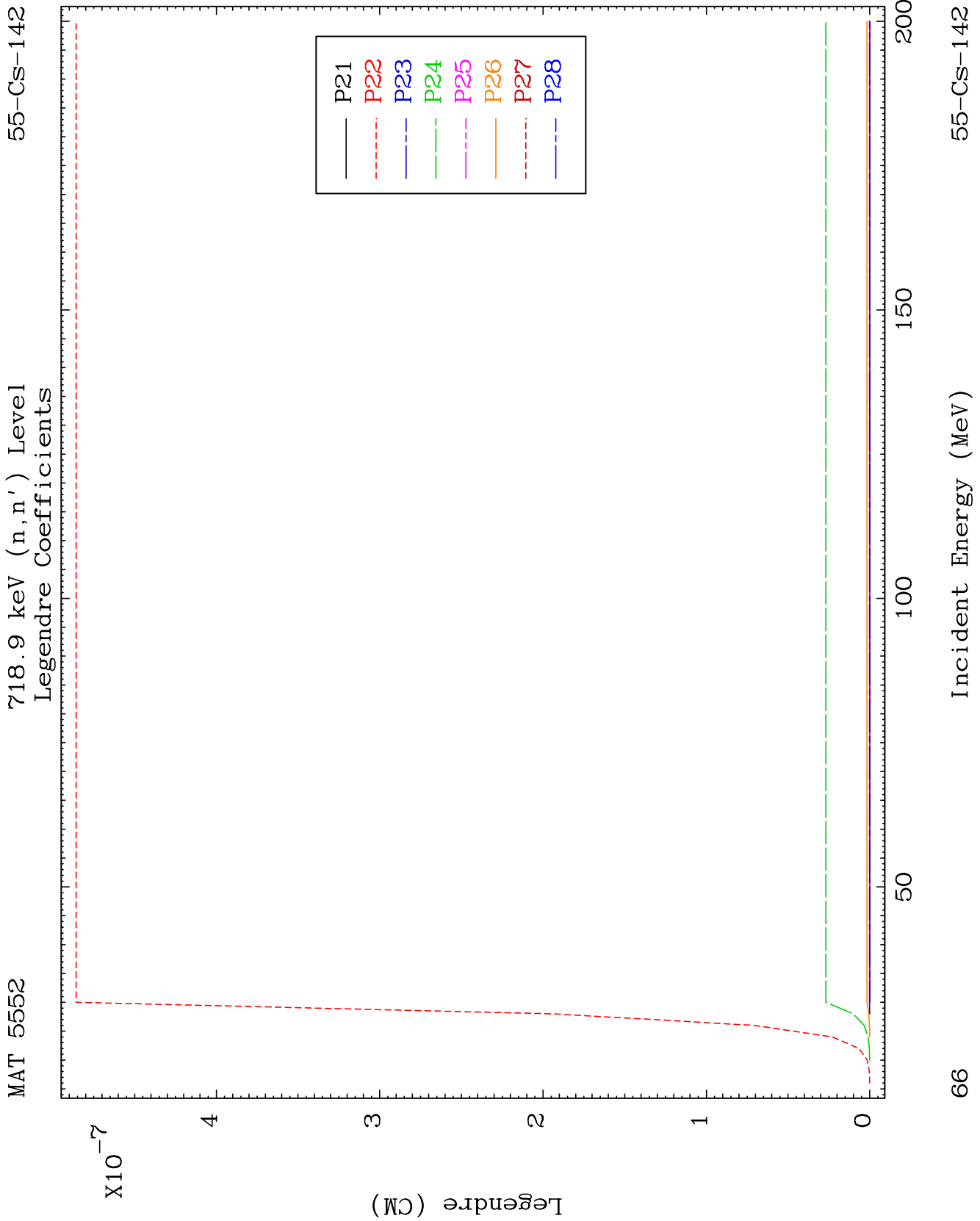


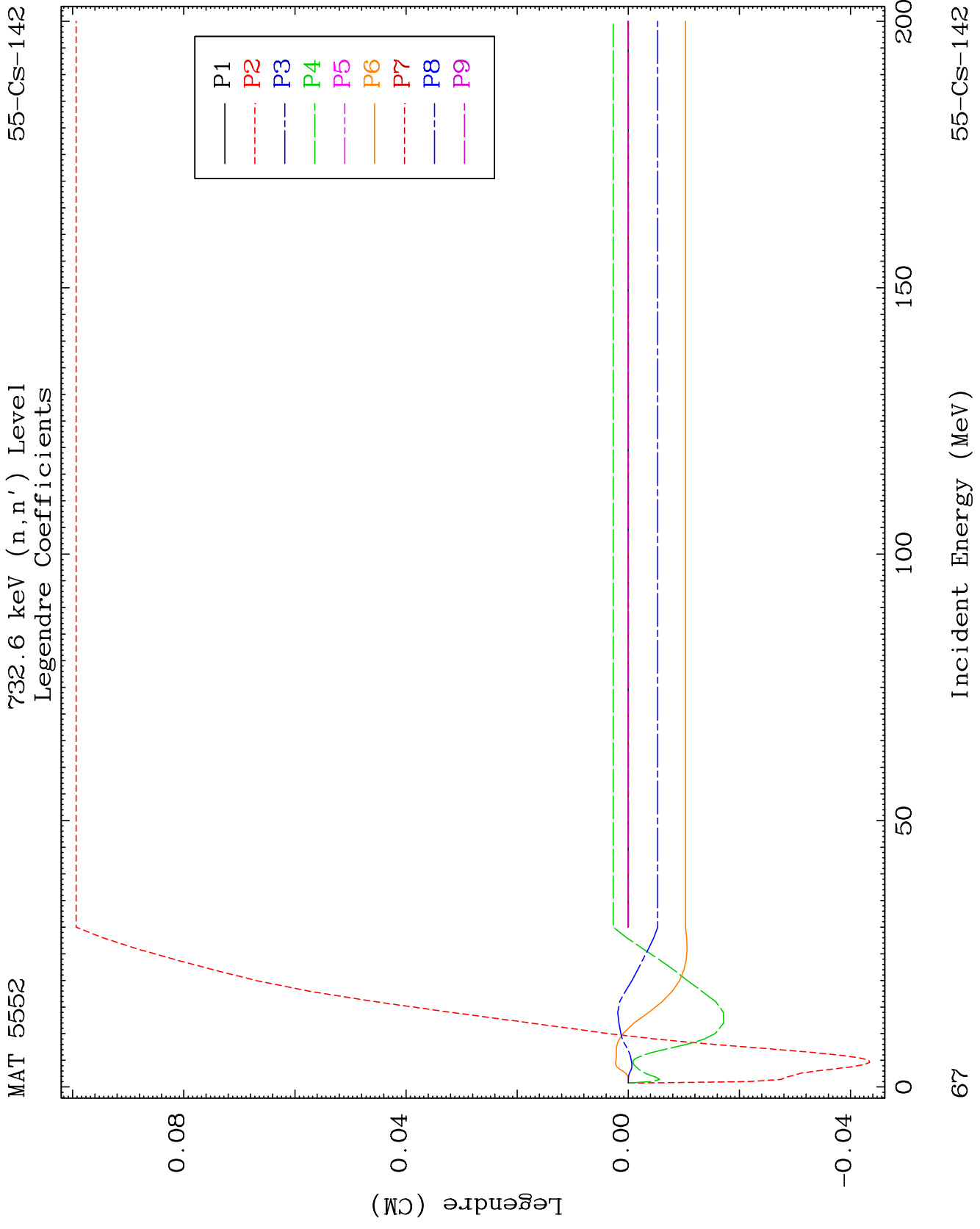
62

55-Cs-142





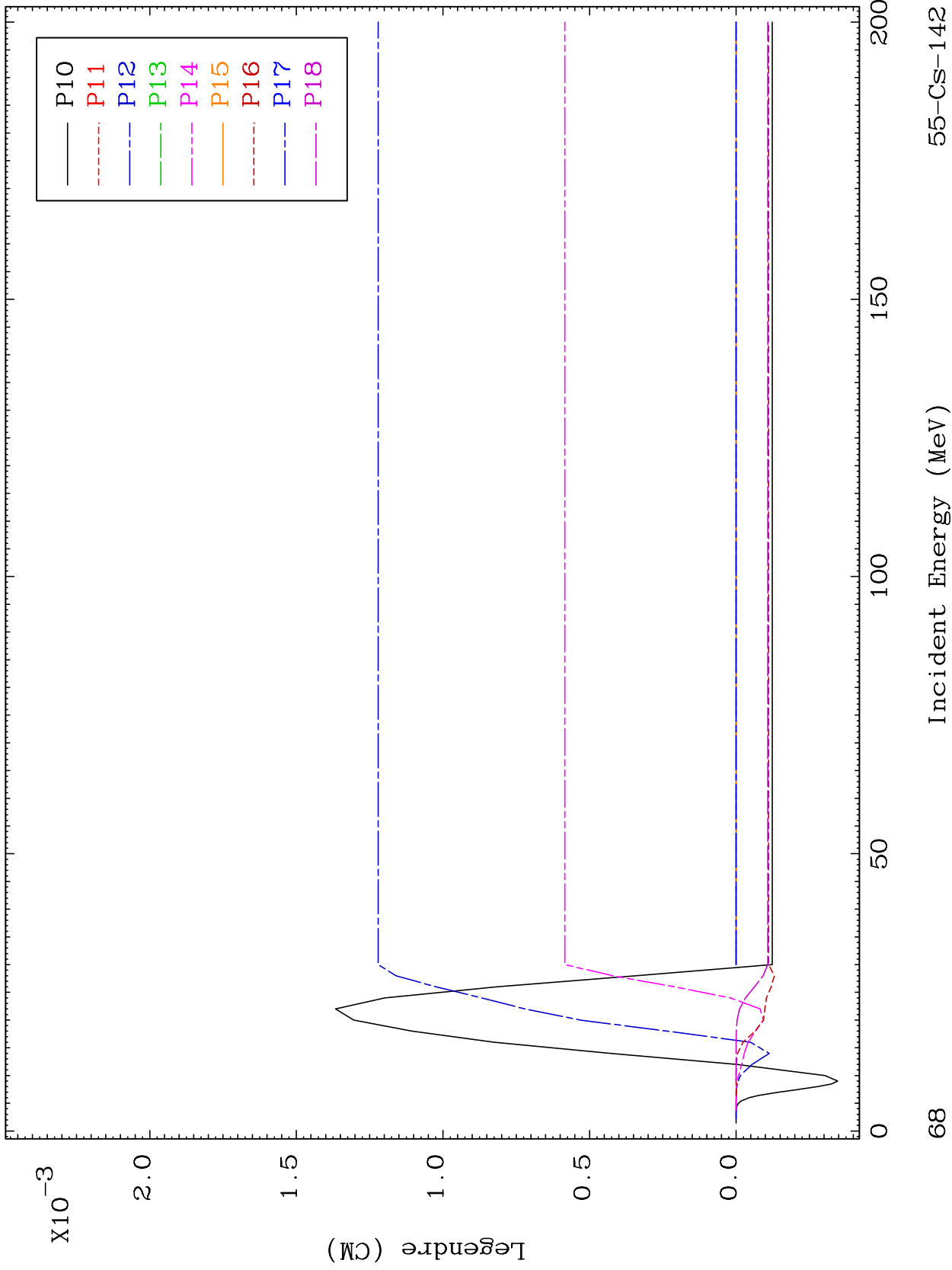




MAT 5552

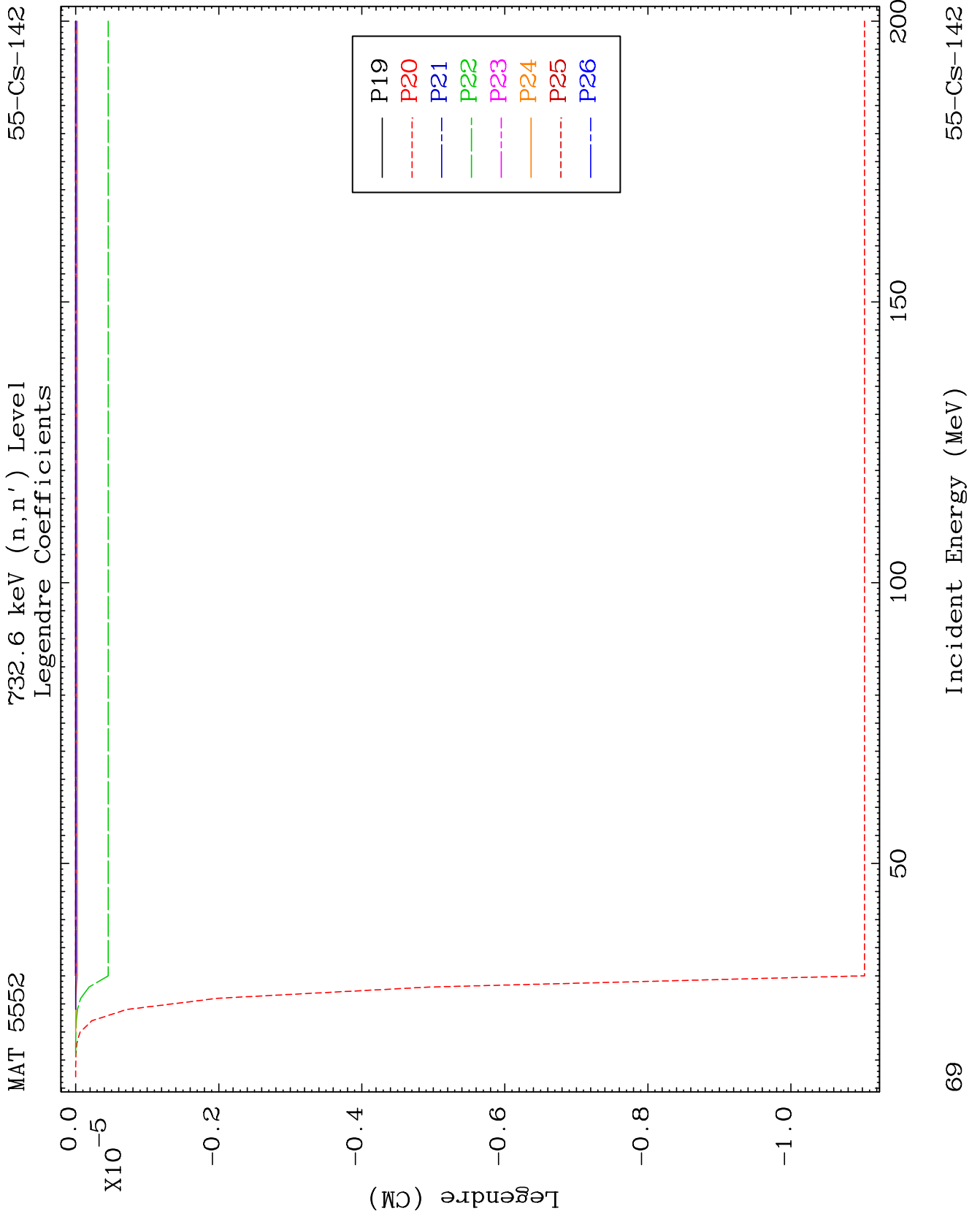
732.6 keV (n,n') Level
Legendre Coefficients

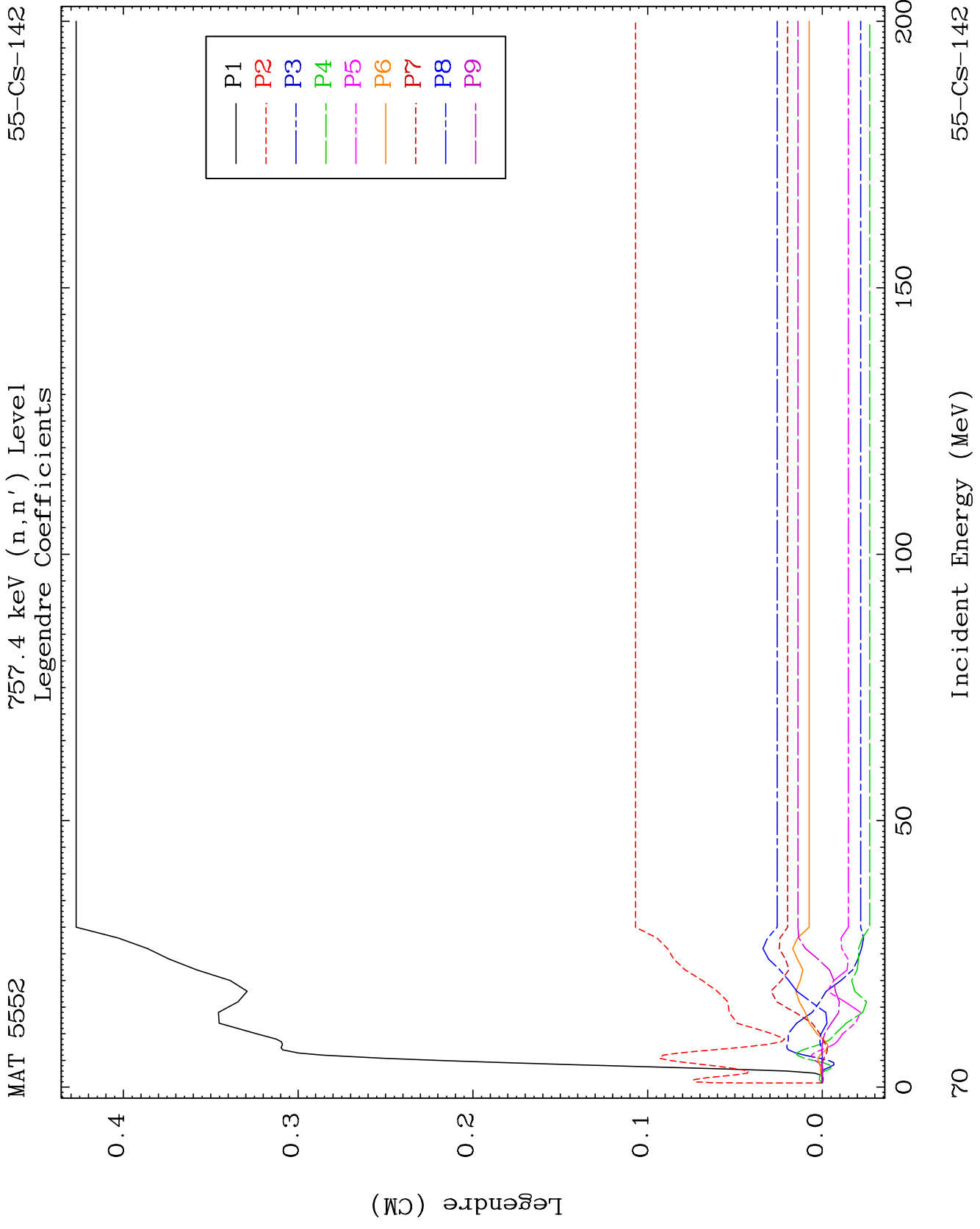
55-Cs-142

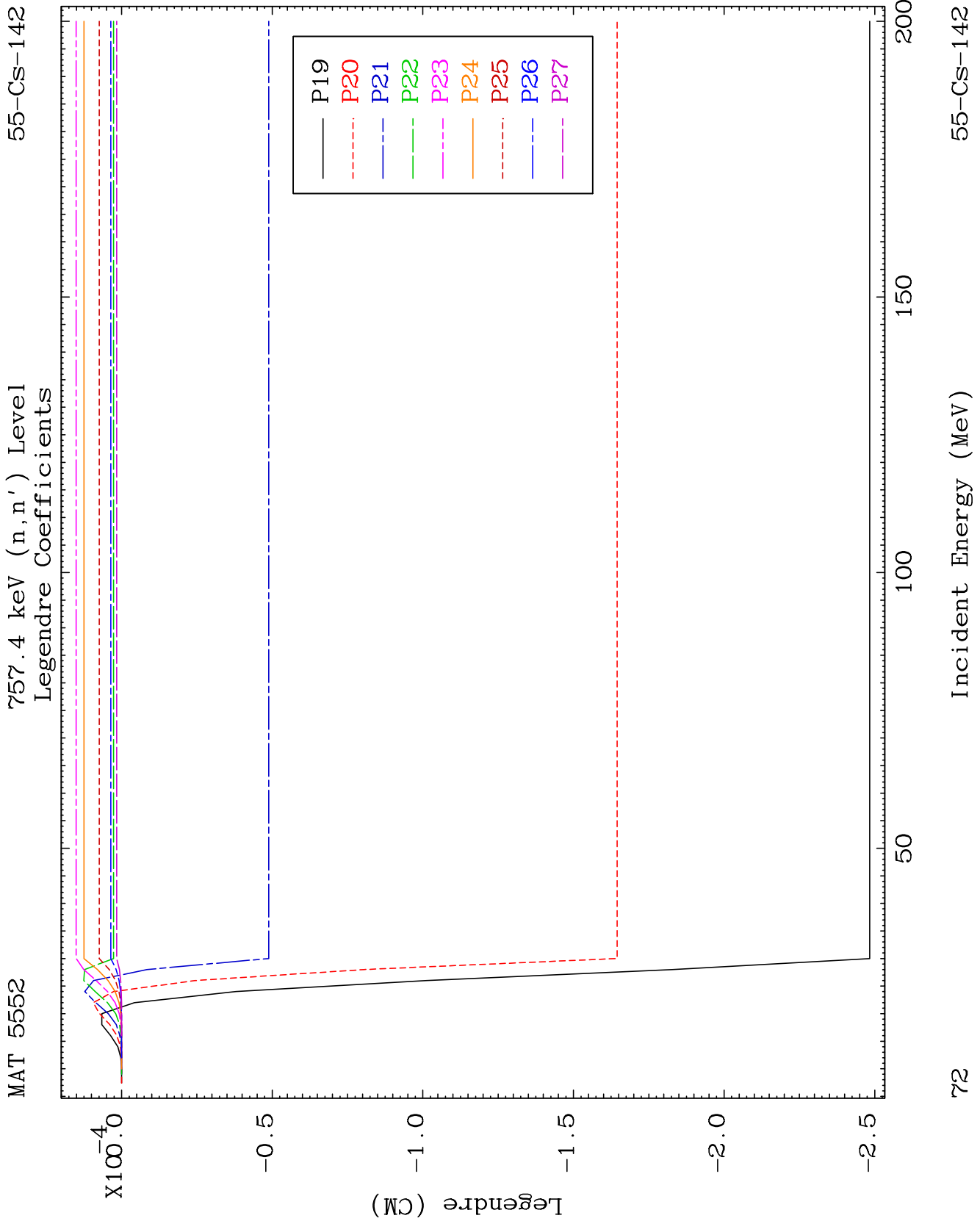


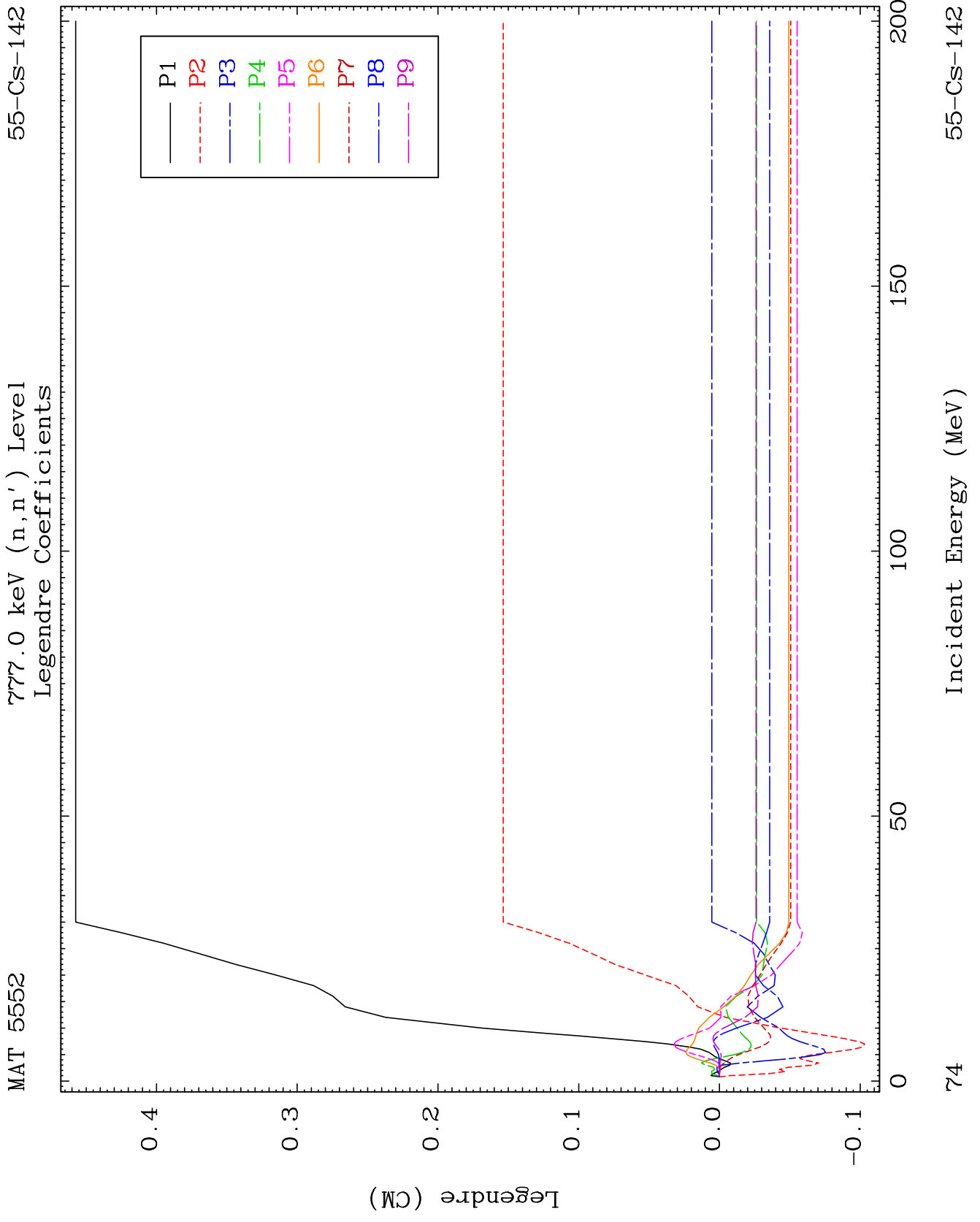
68

55-Cs-142





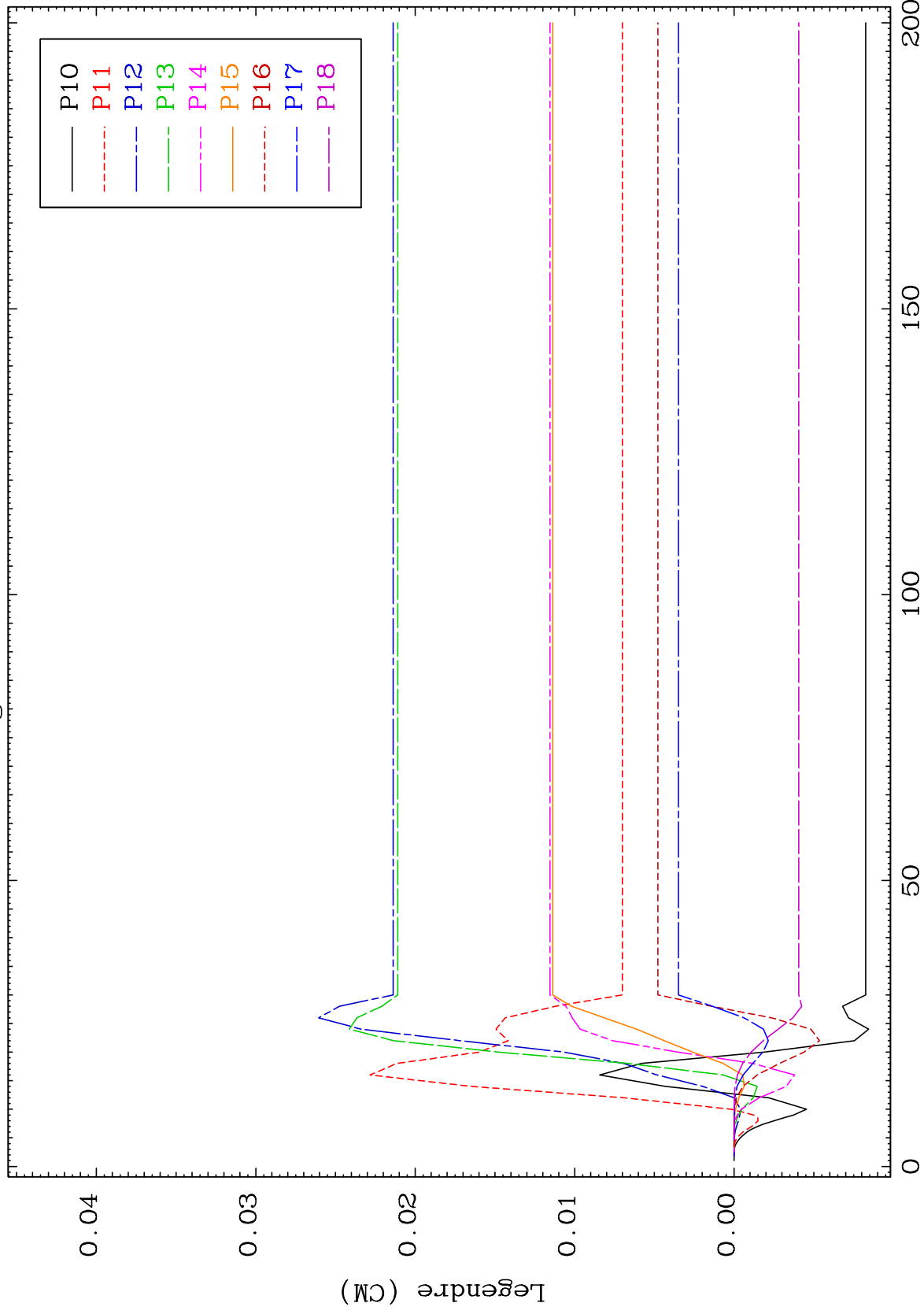




MAT 5552

777.0 keV (n,n') Level
Legendre Coefficients

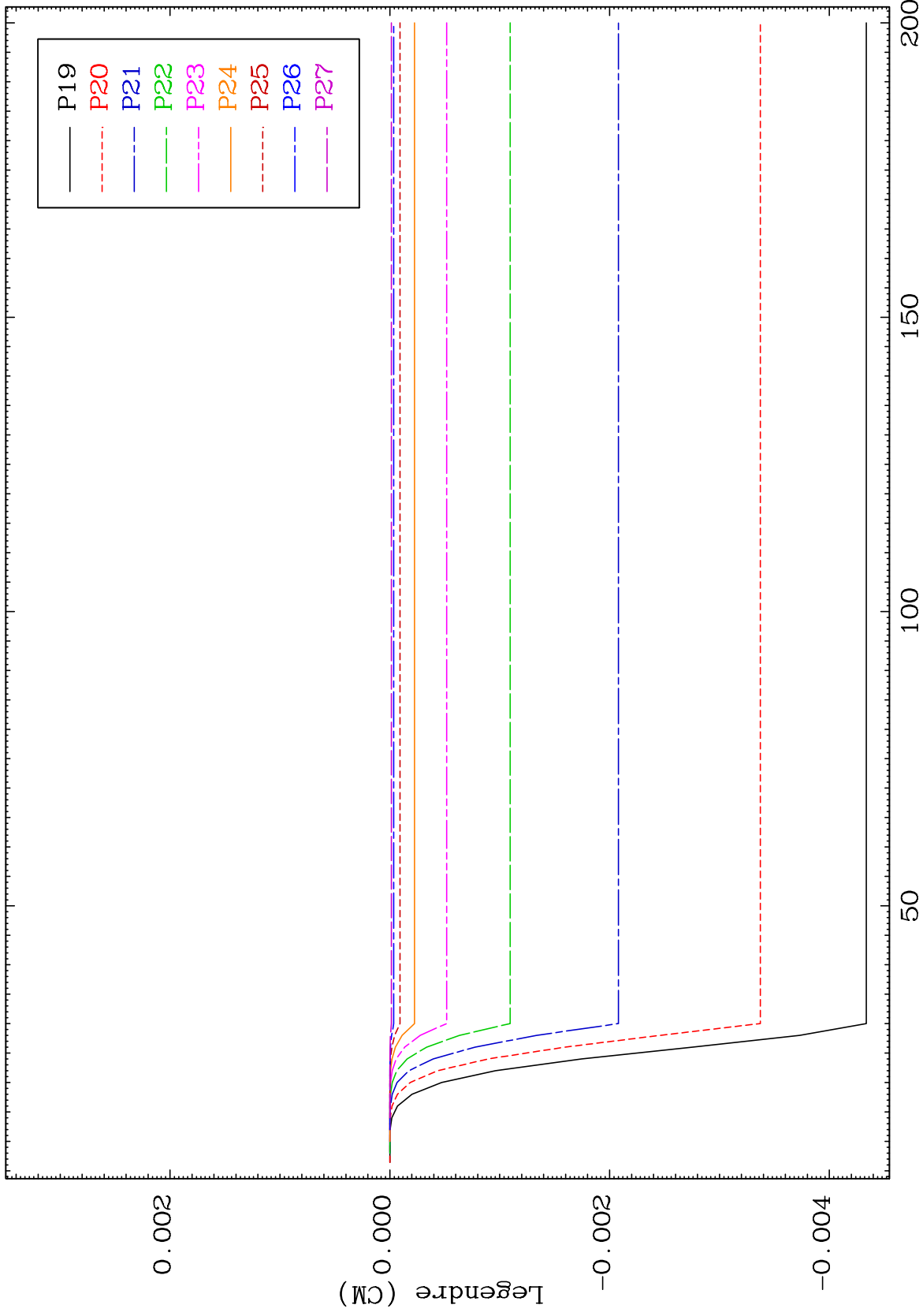
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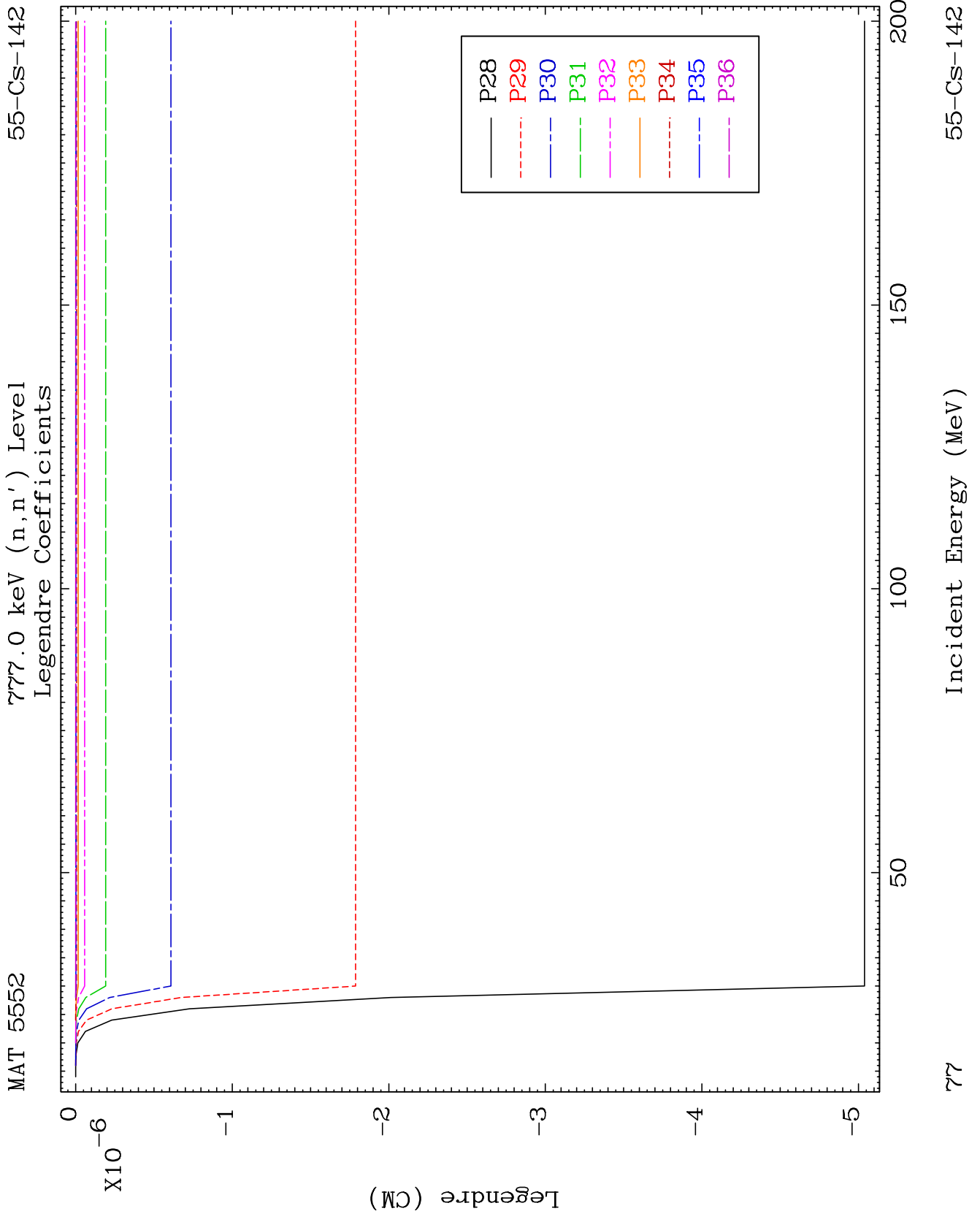


75

Incident Energy (MeV)

55-Cs-142

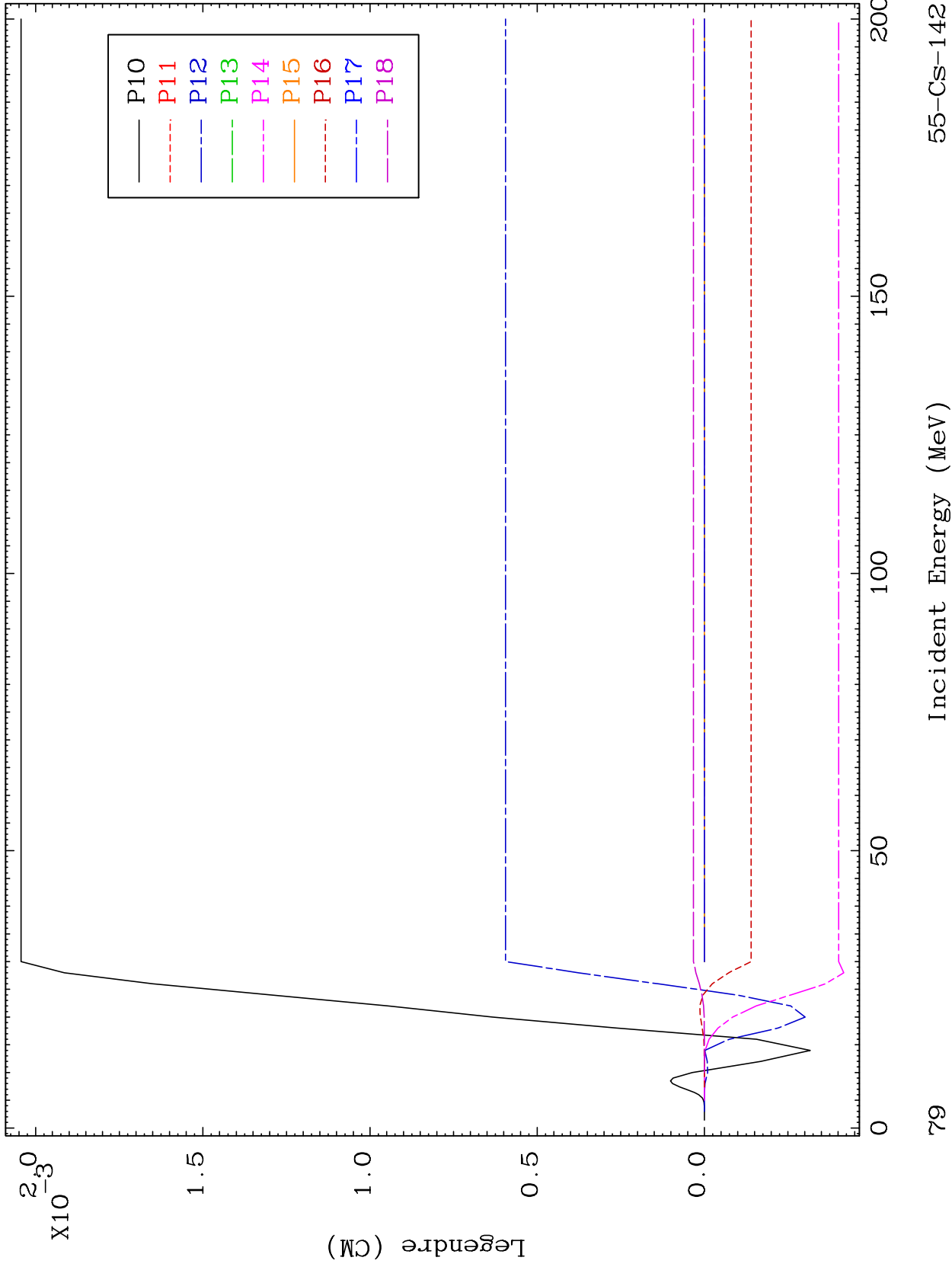




MAT 5552

886.6 keV (n,n') Level
Legendre Coefficients

55-Cs-142



55-Cs-142

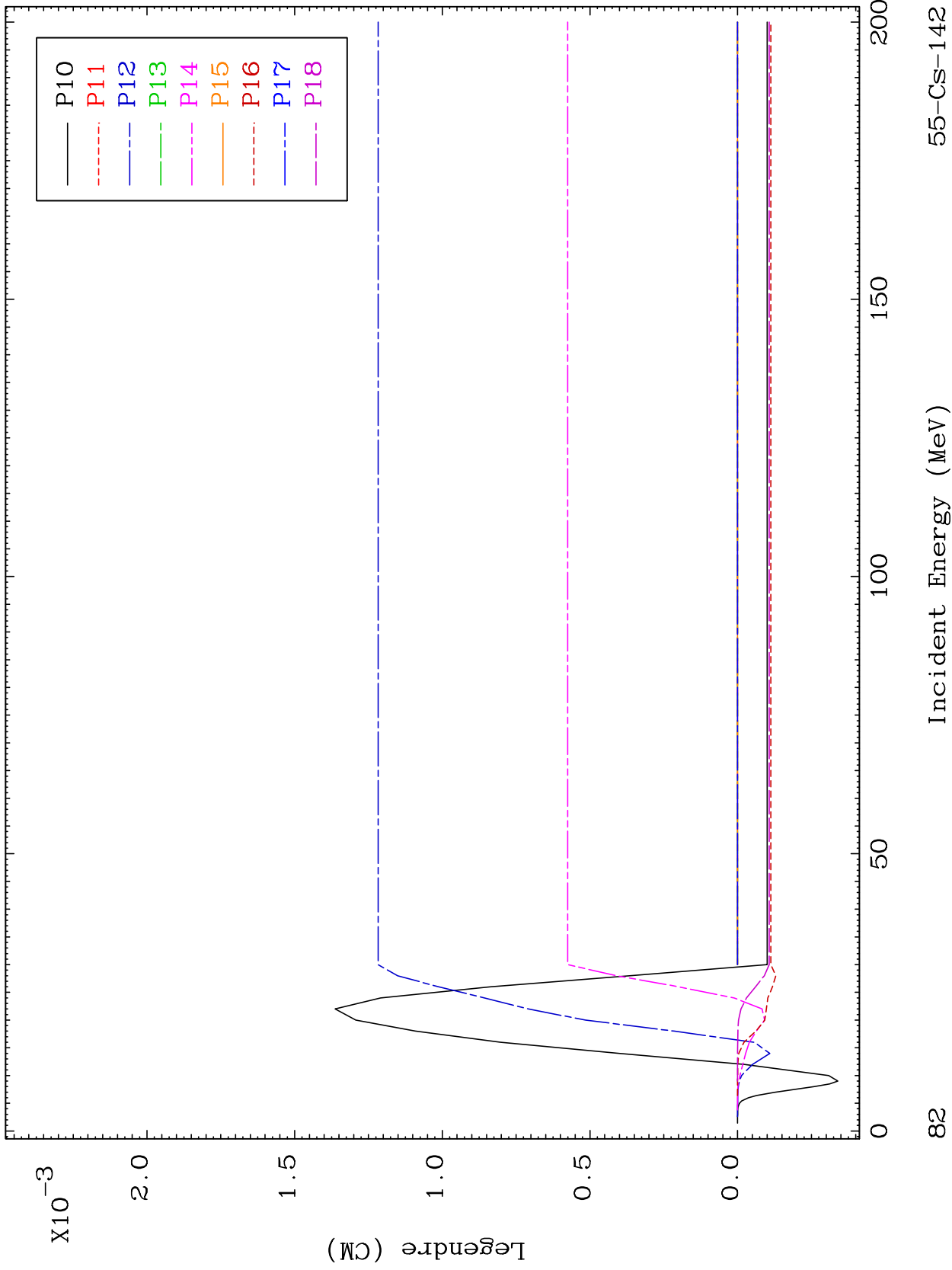
Incident Energy (MeV)

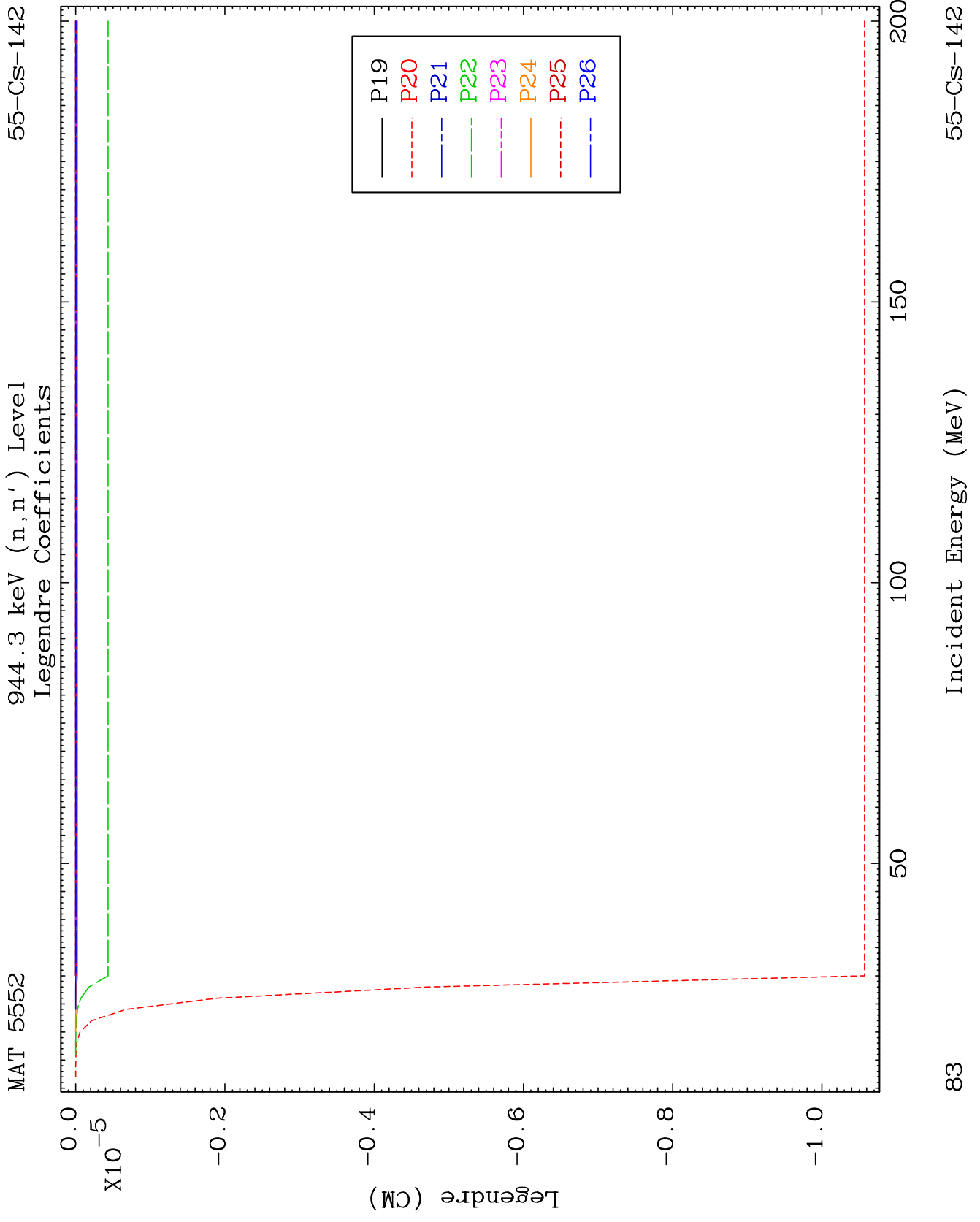
79

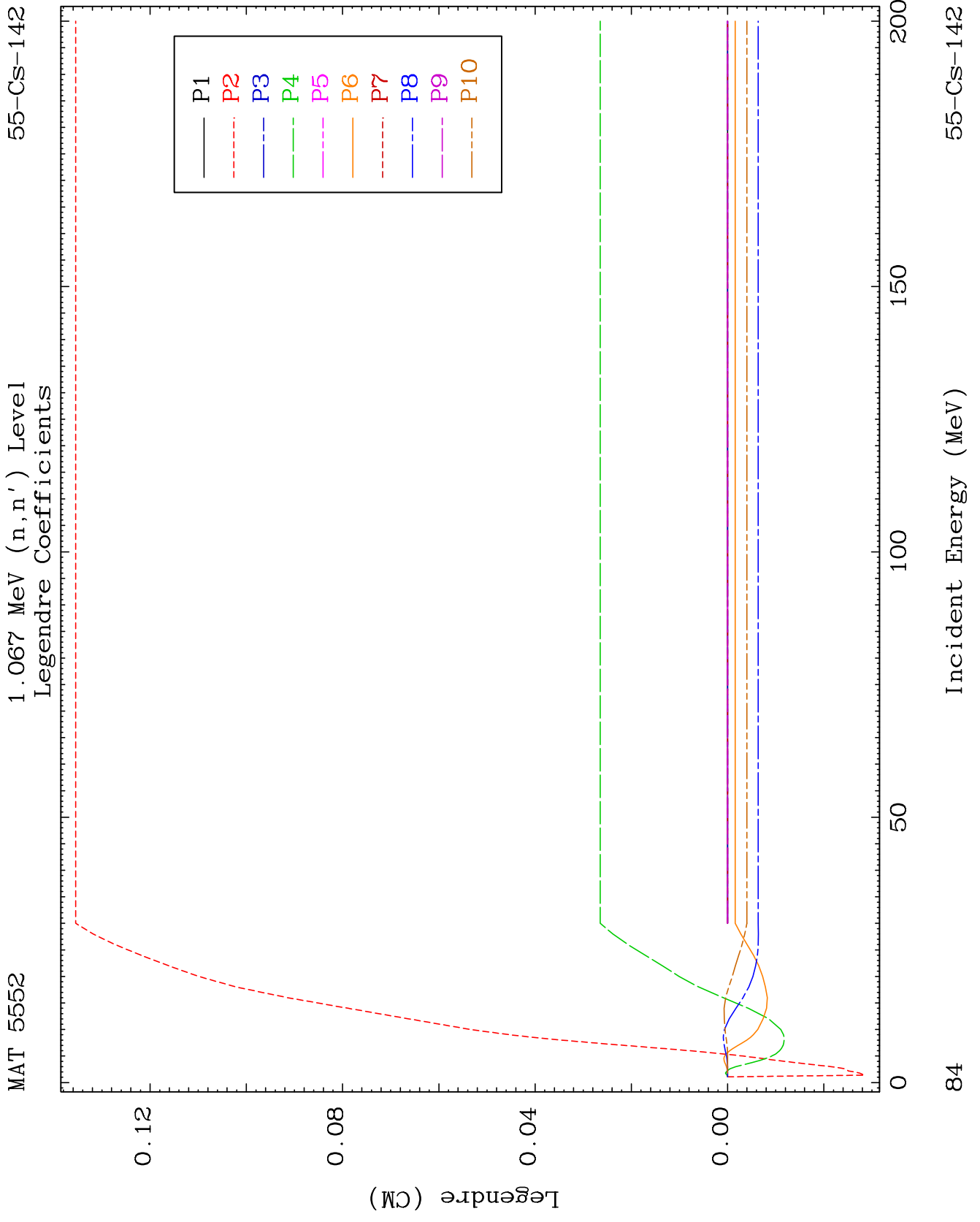
MAT 5552

944.3 keV (n,n') Level
Legendre Coefficients

55-Cs-142



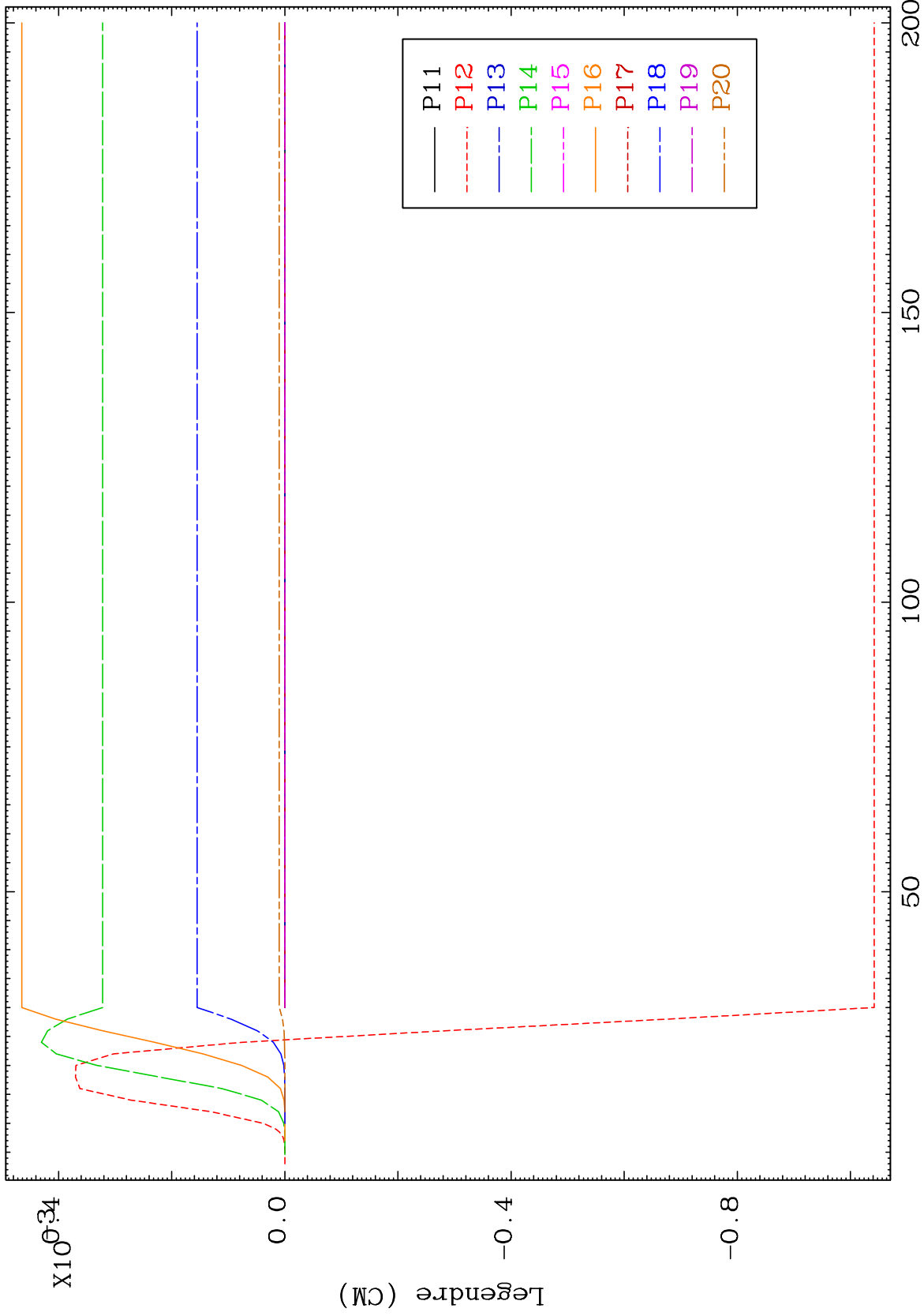




MAT 5552

1.067 MeV (n,n') Level
Legendre Coefficients

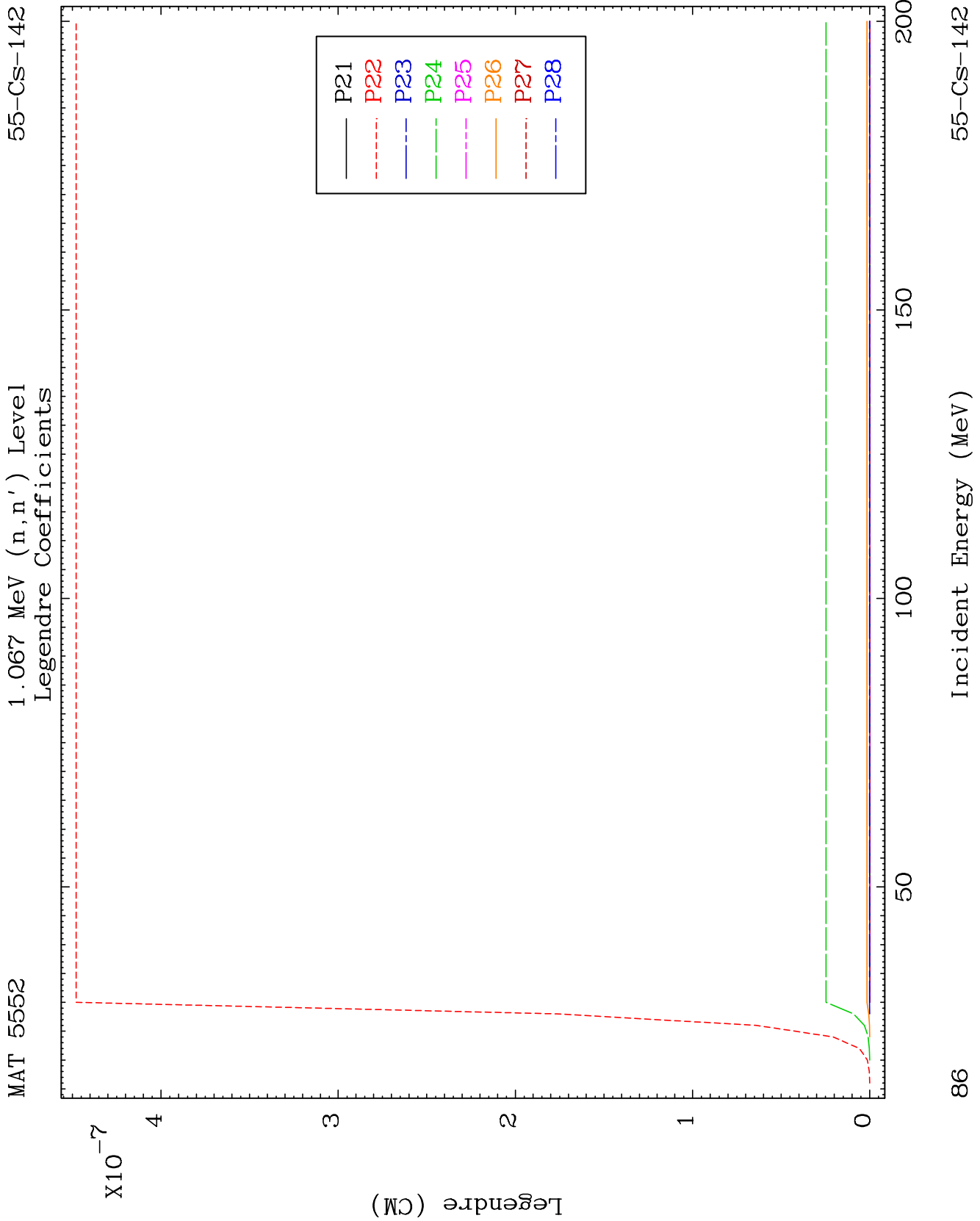
55-Cs-142

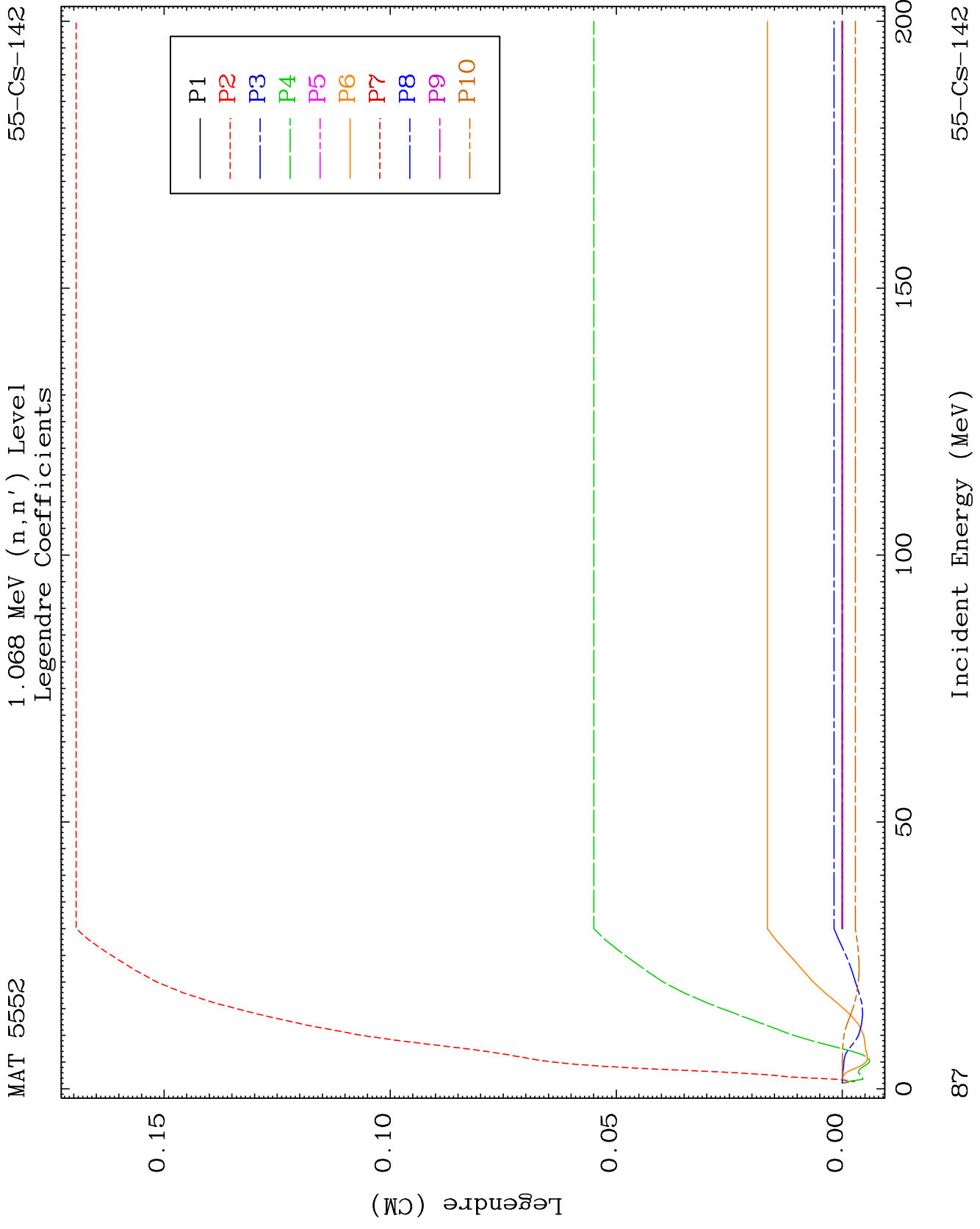


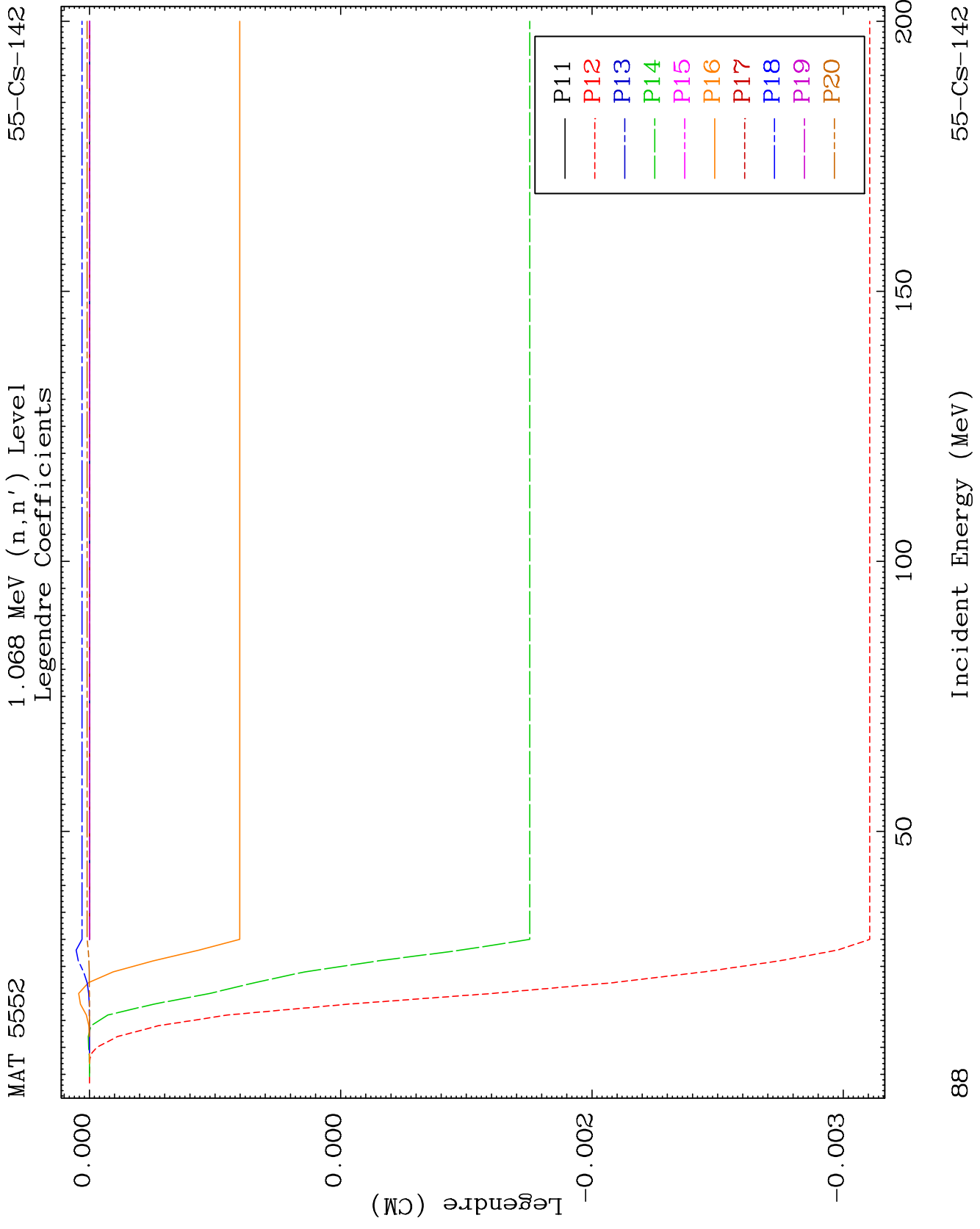
85

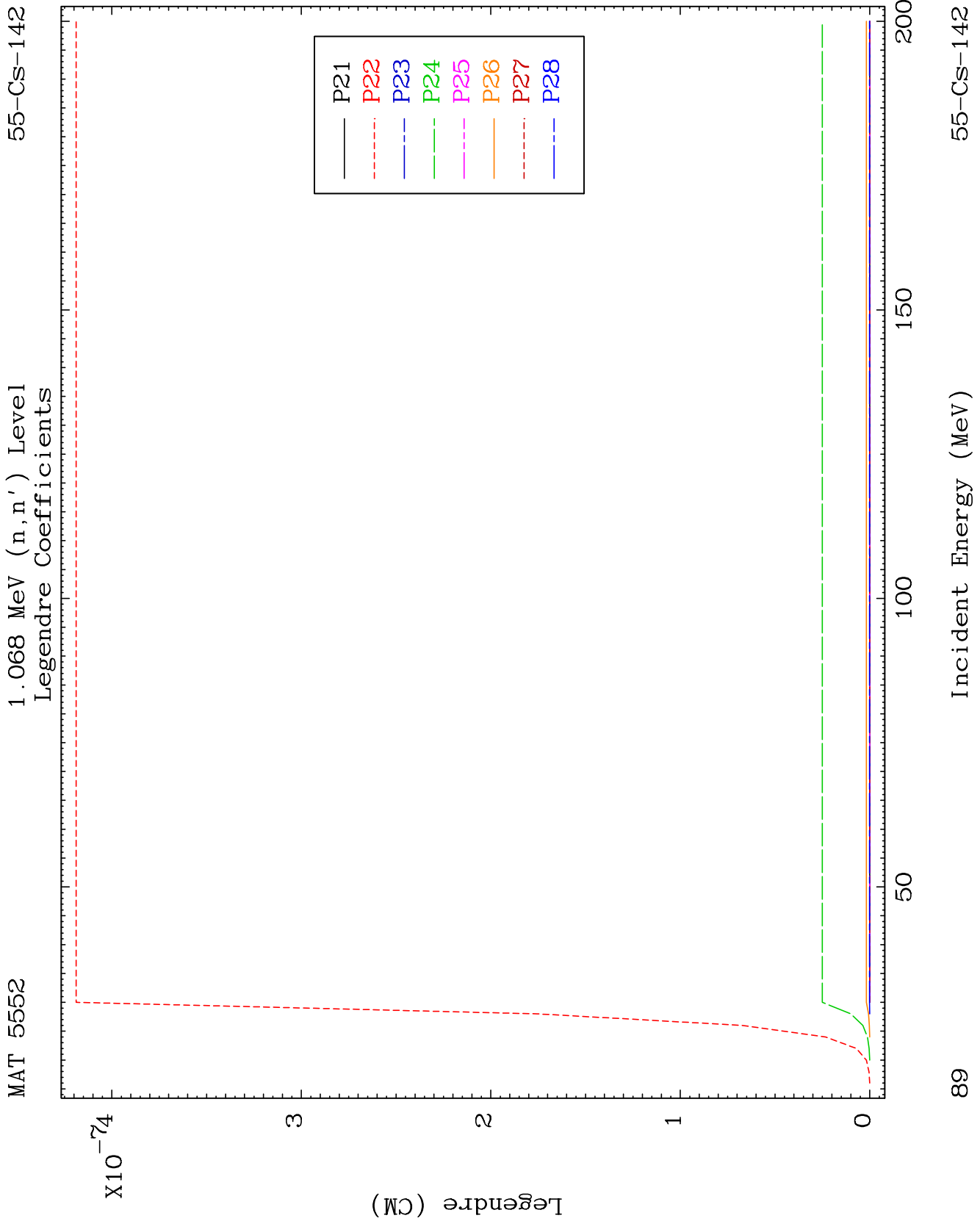
Incident Energy (MeV)

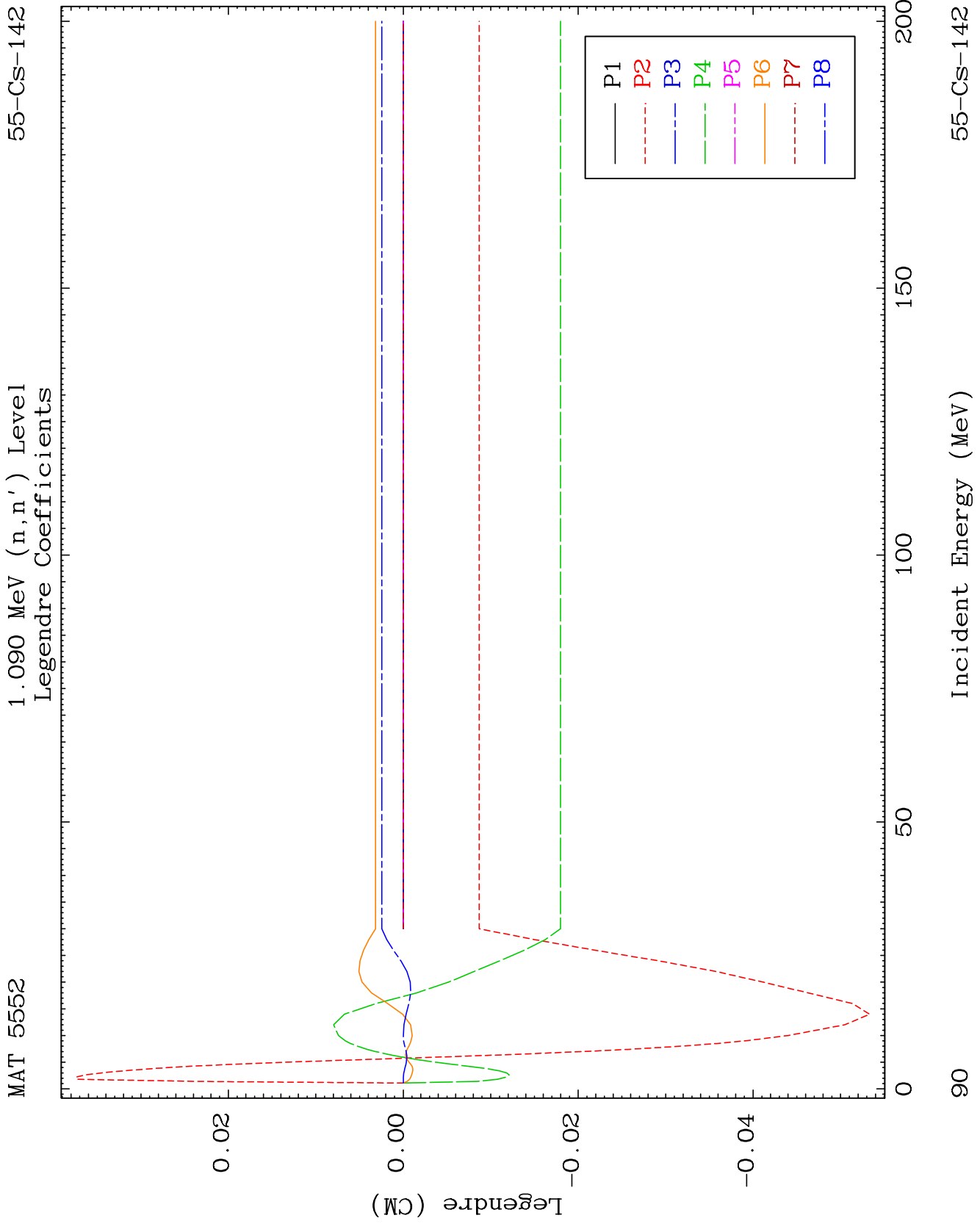
55-Cs-142

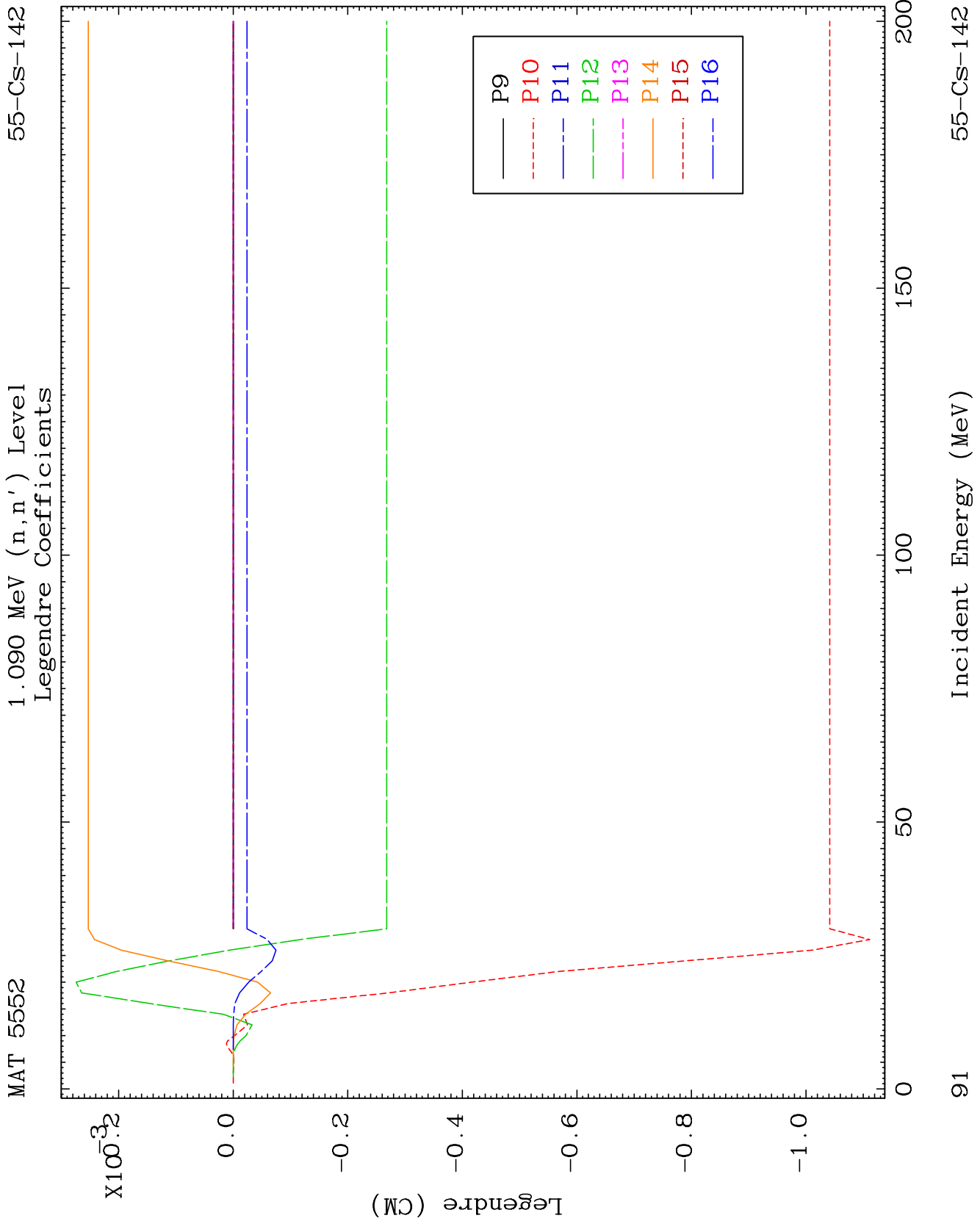


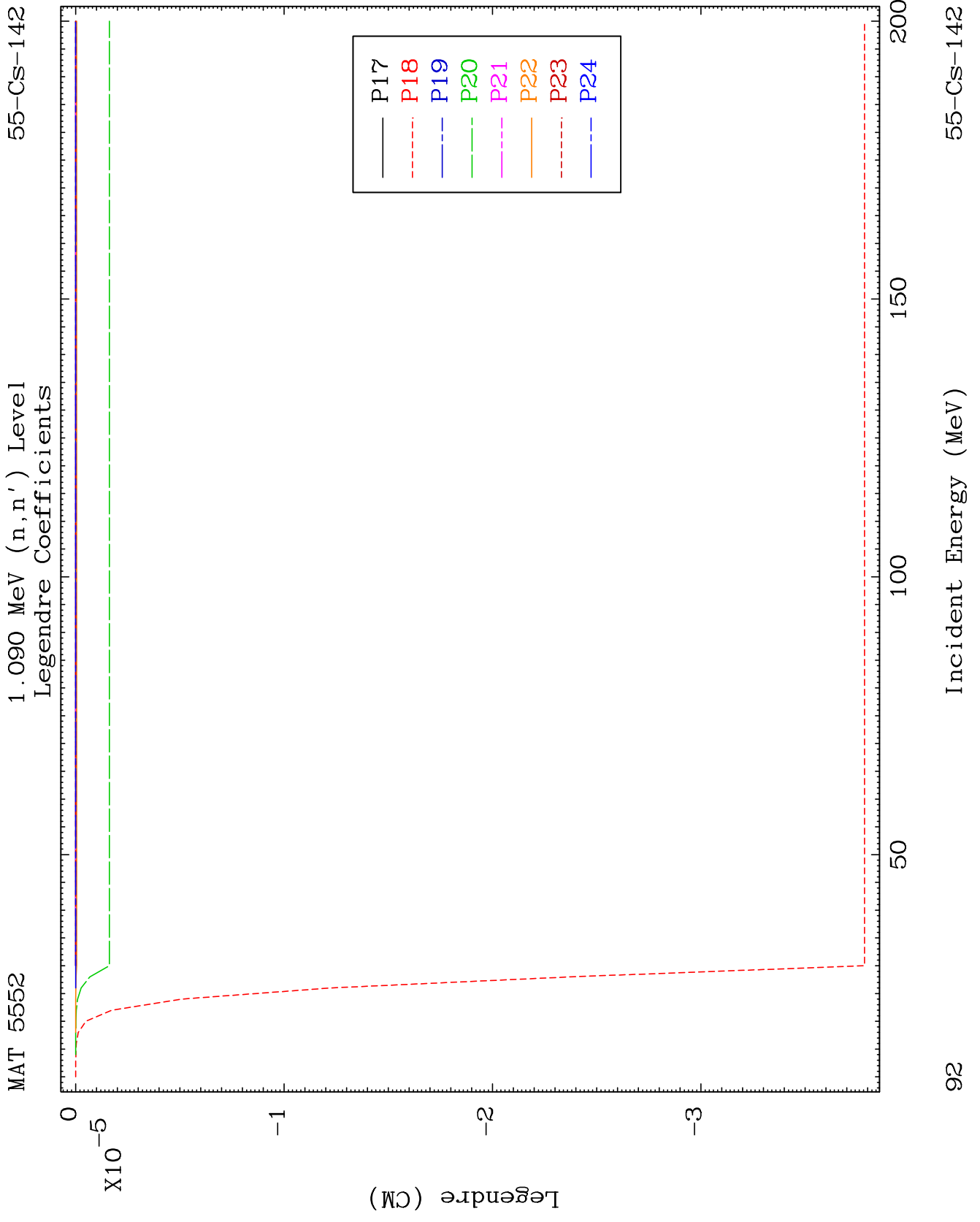


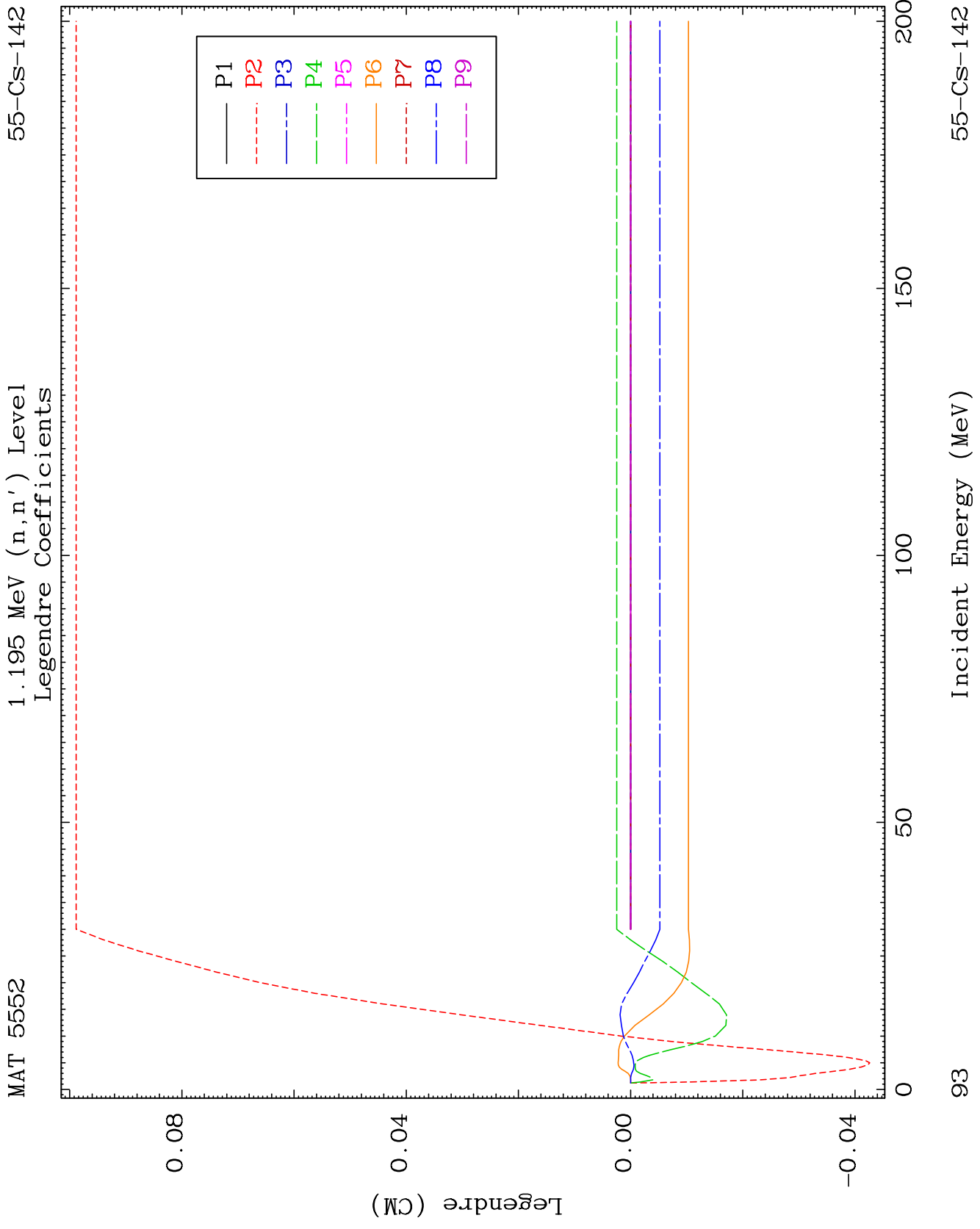


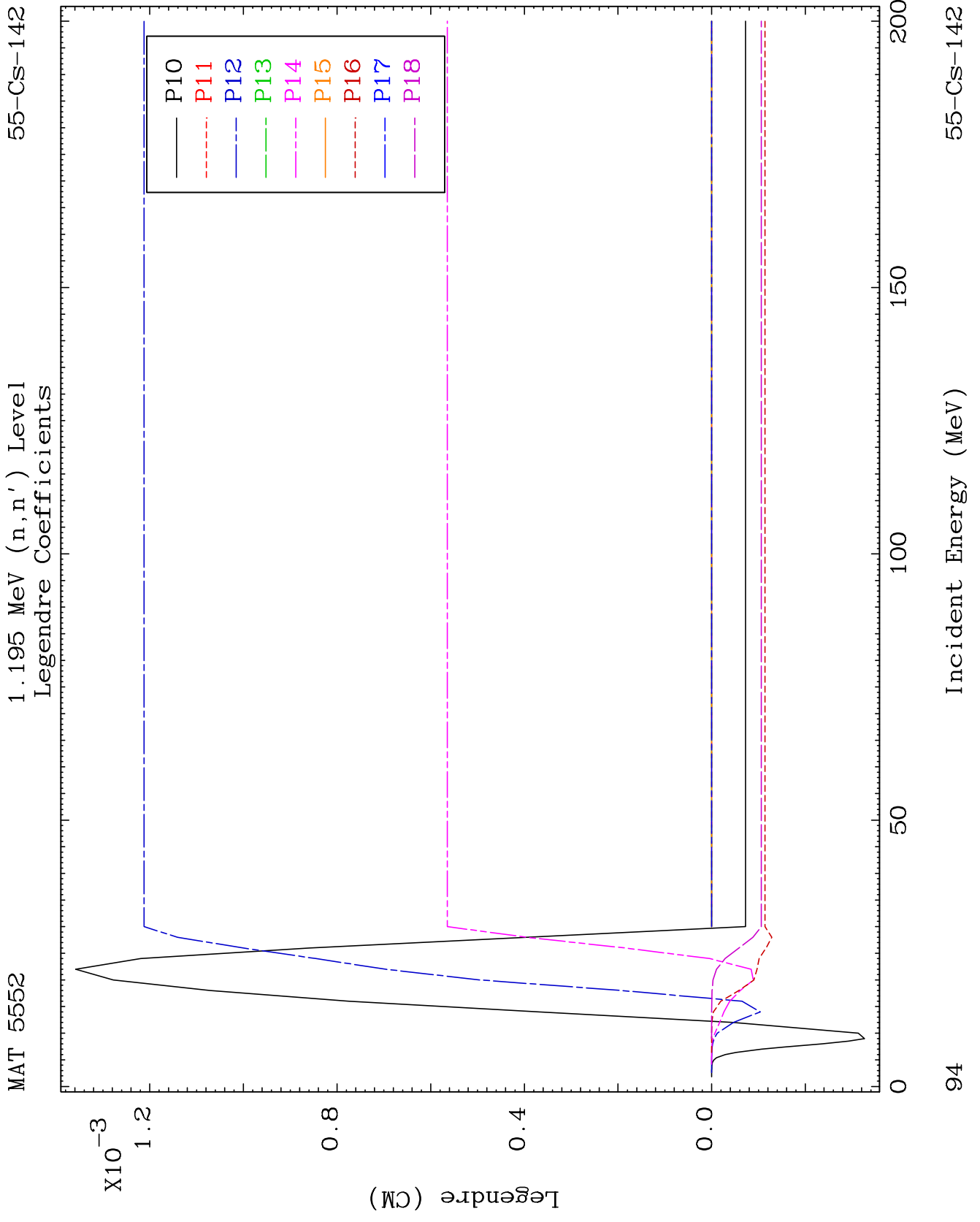


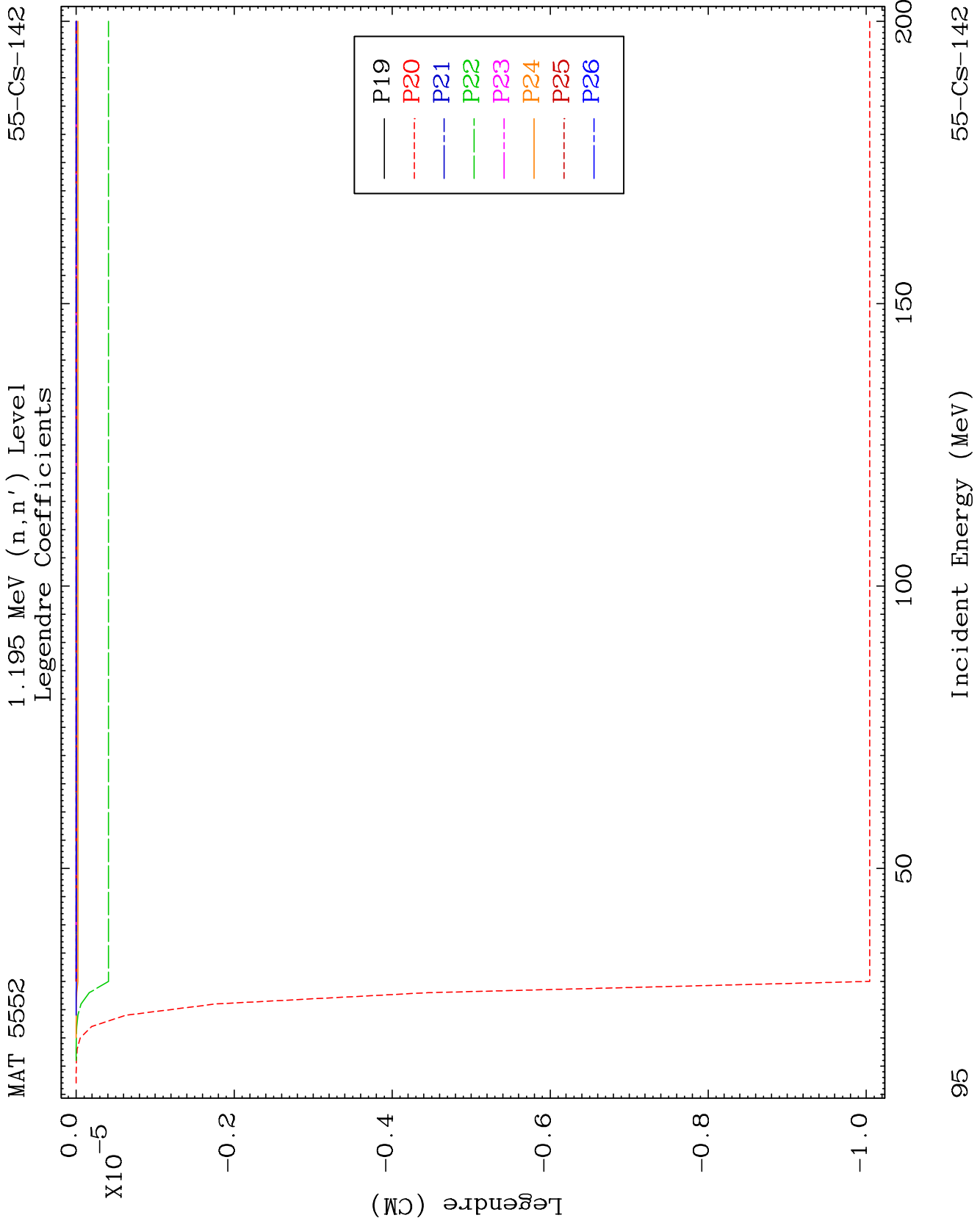


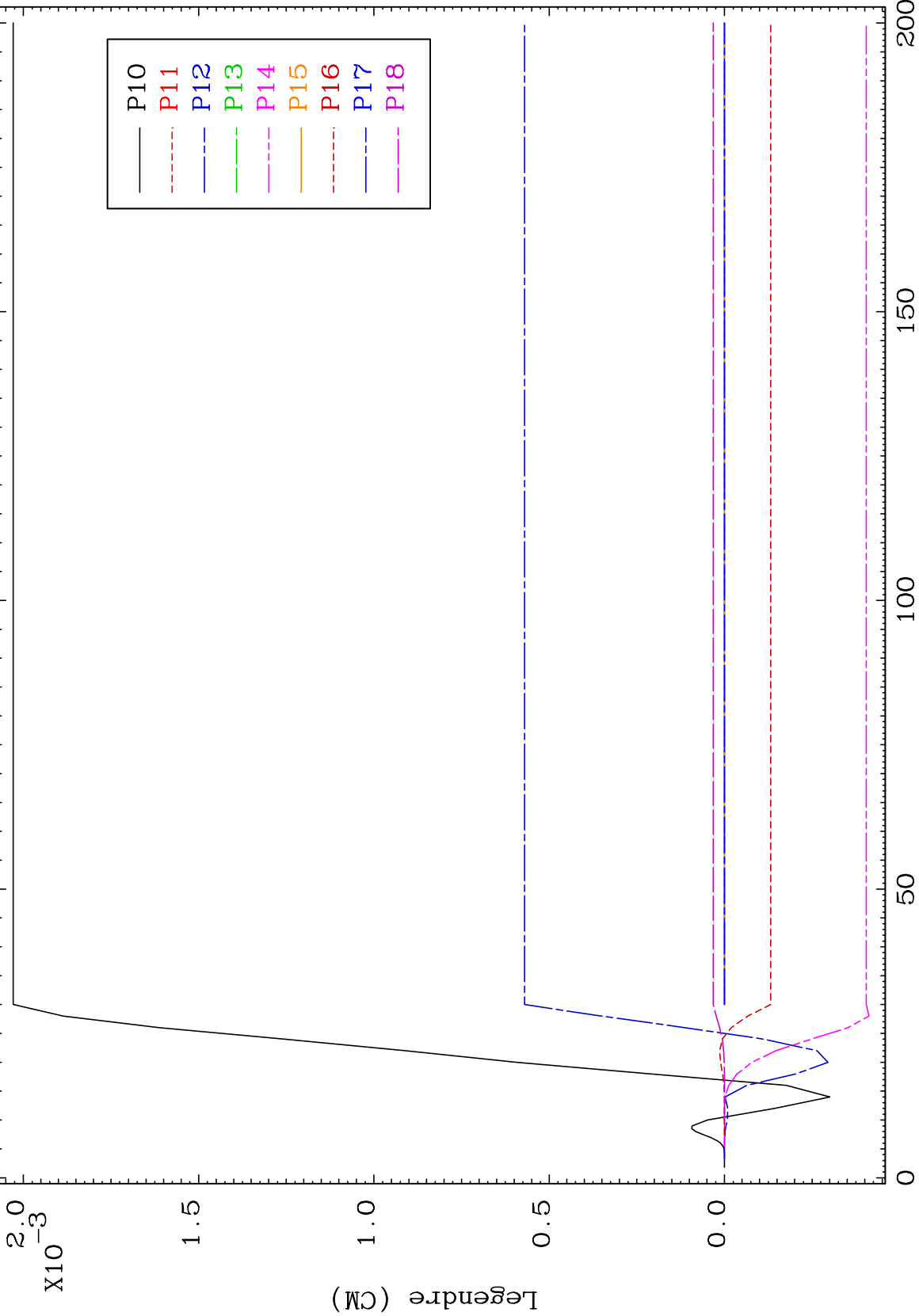








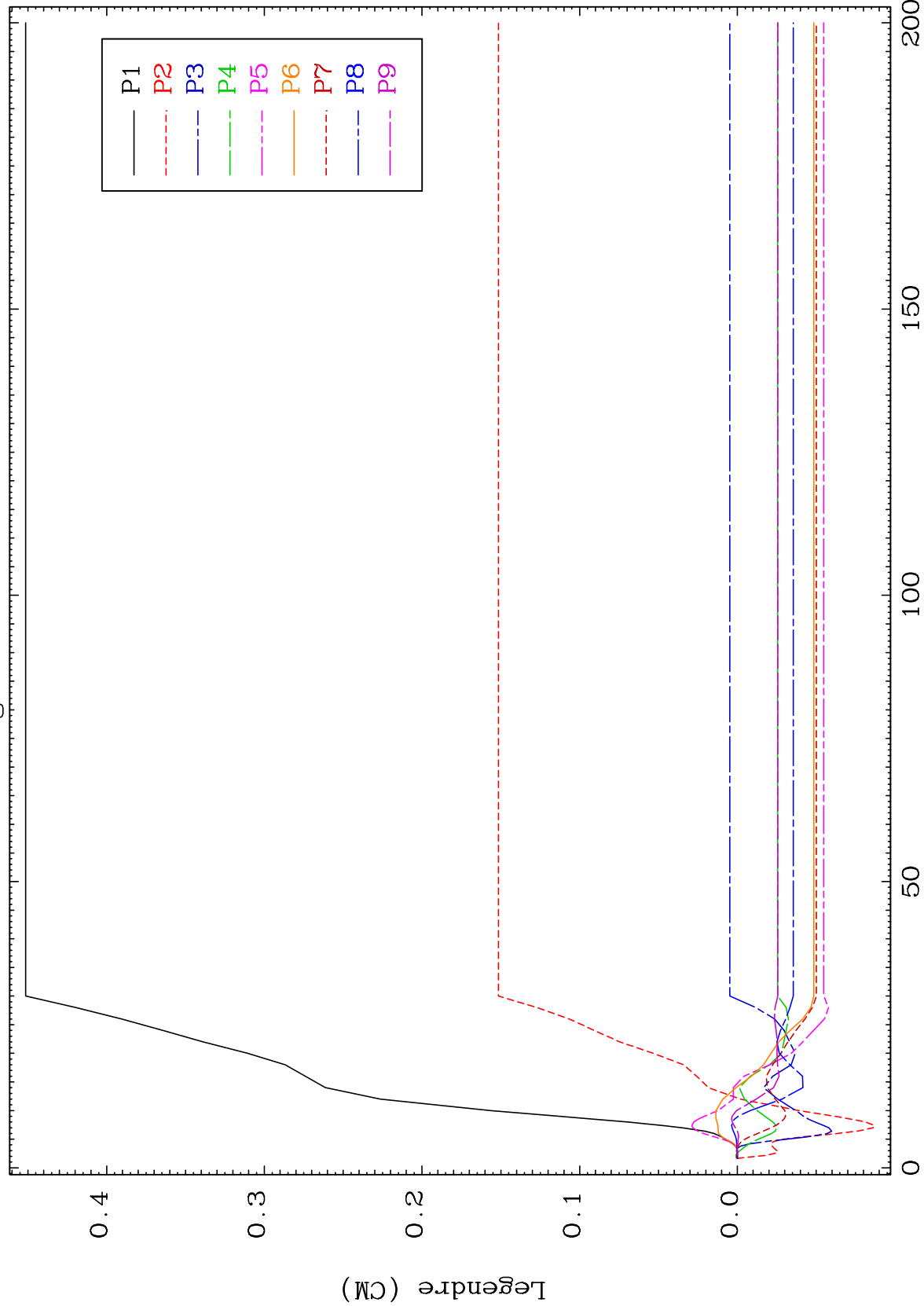




MAT 5552

1.615 MeV (n,n') Level
Legendre Coefficients

55-Cs-142



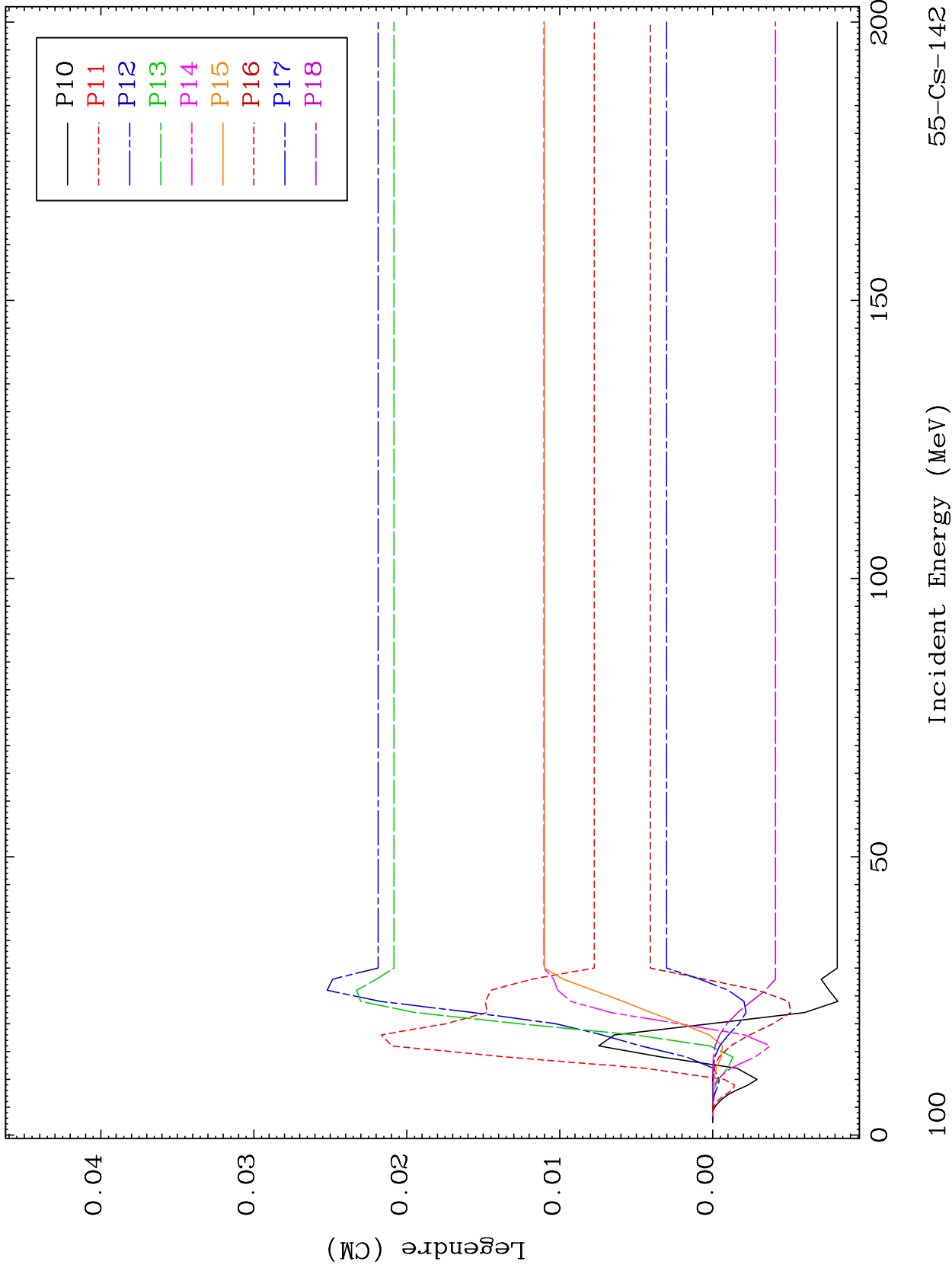
99

55-Cs-142

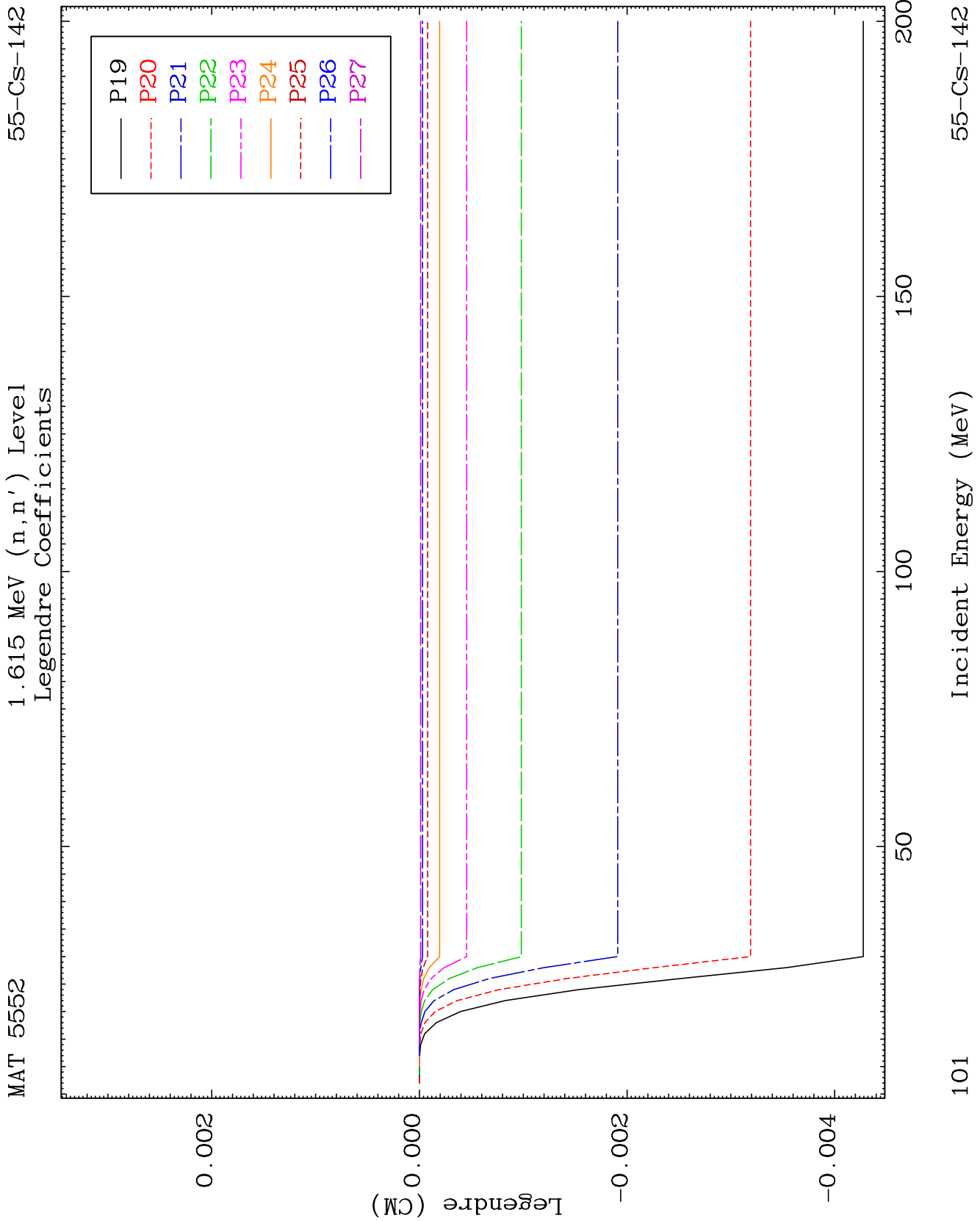
MAT 5552

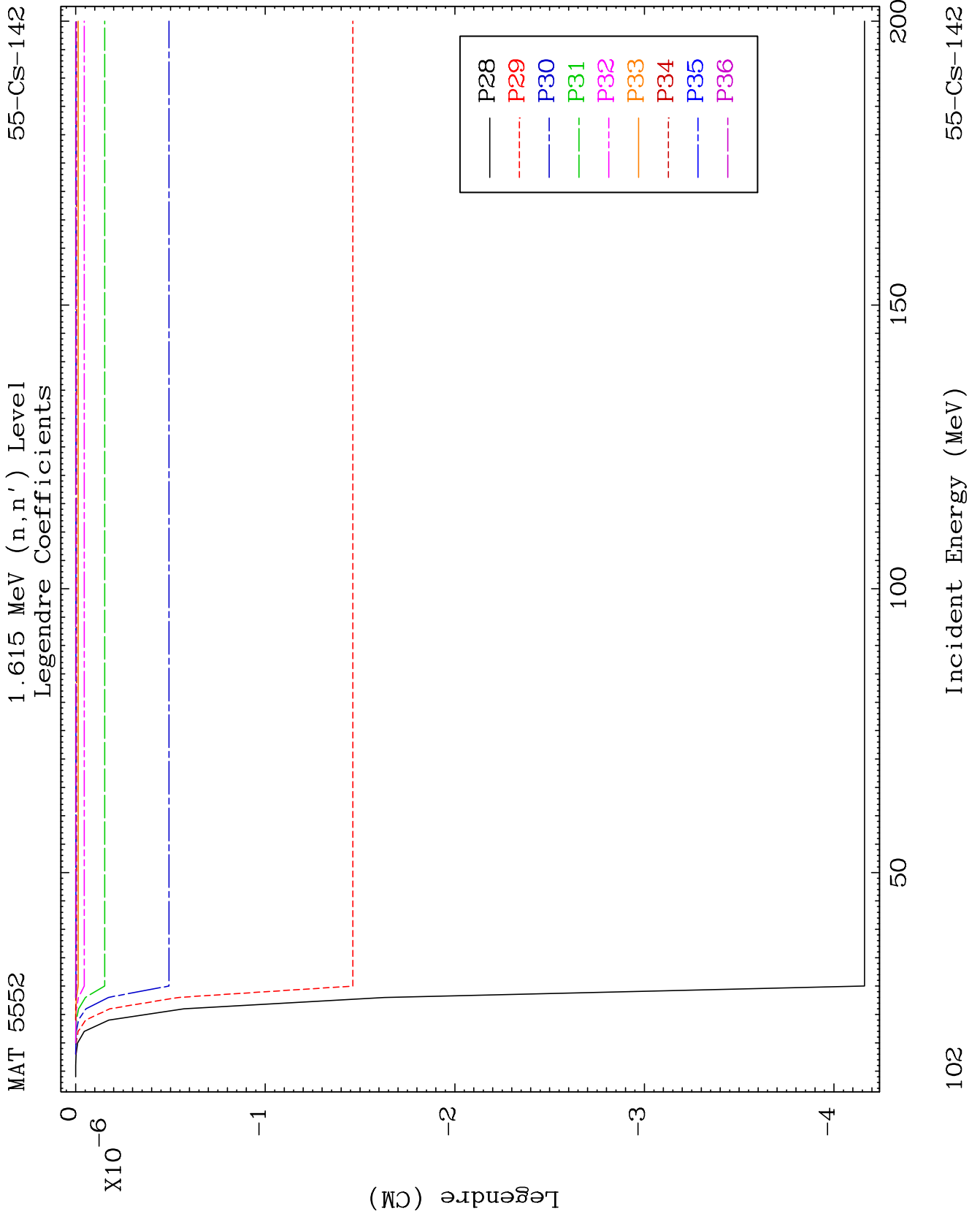
1.615 MeV (n,n') Level
Legendre Coefficients

55-Cs-142



55-Cs-142

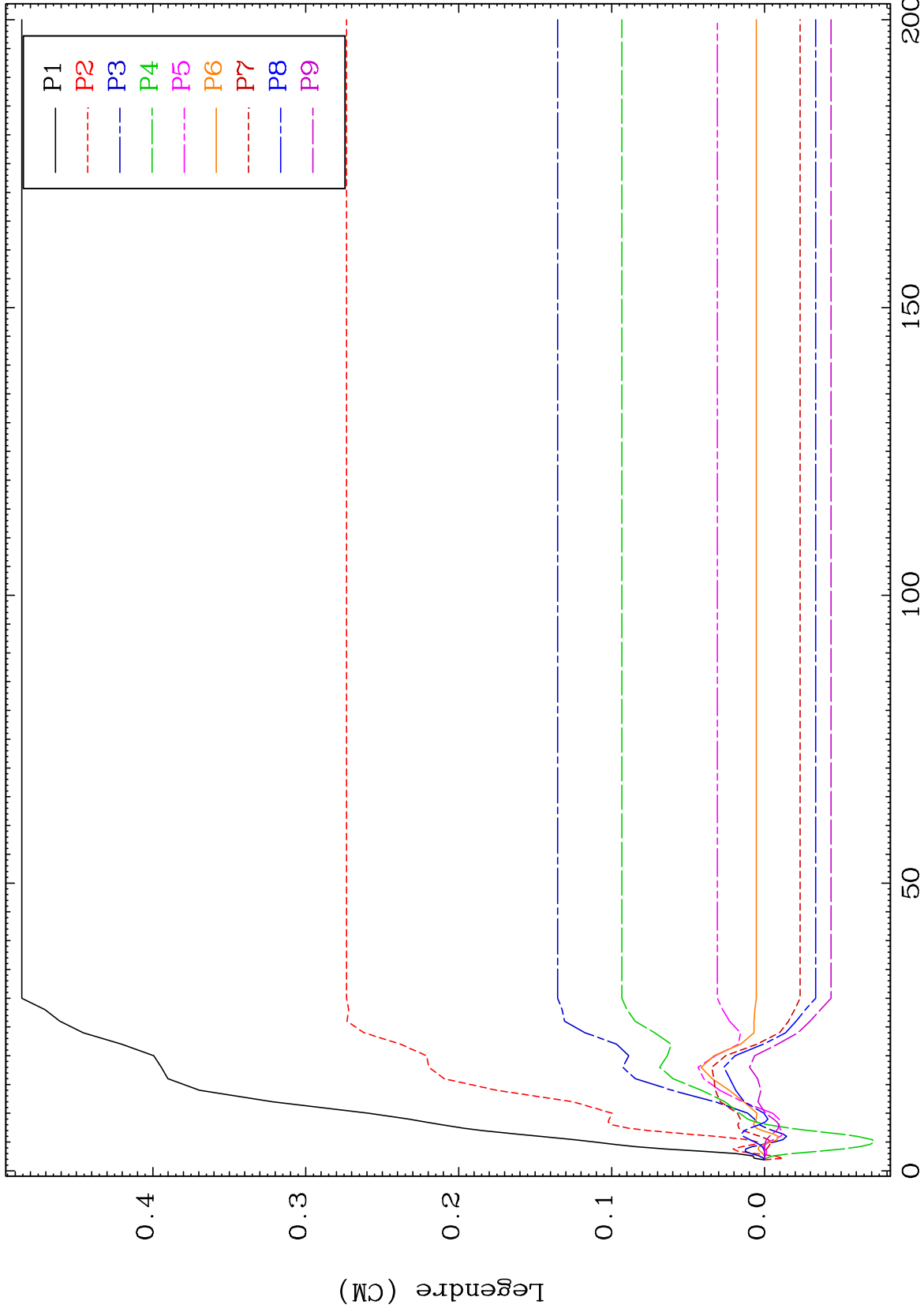




MAT 5552

1.876 MeV (n,n') Level
Legendre Coefficients

55-Cs-142



103

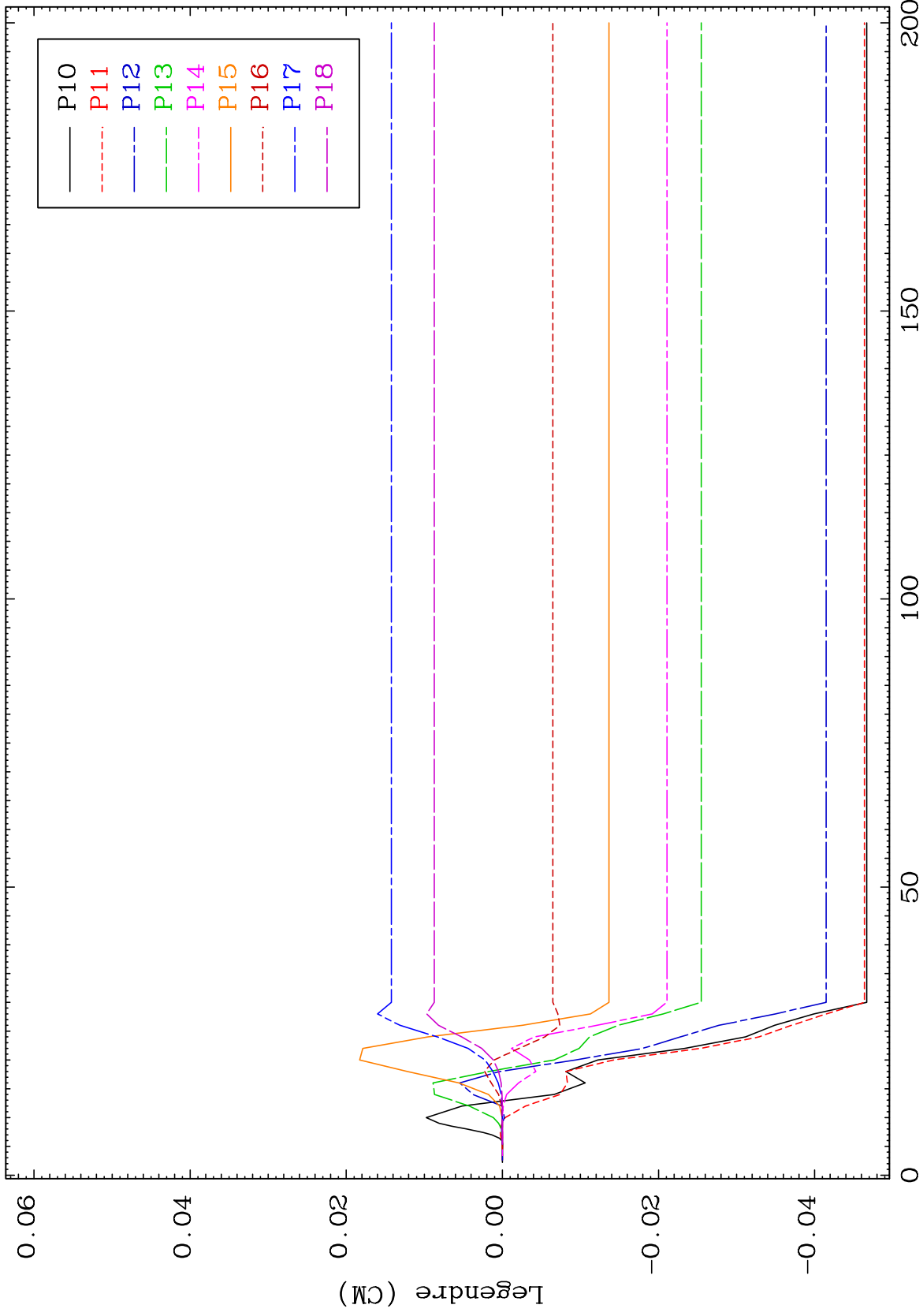
Incident Energy (MeV)

55-Cs-142

MAT 5552

1.876 MeV (n,n') Level
Legendre Coefficients

55-Cs-142



104

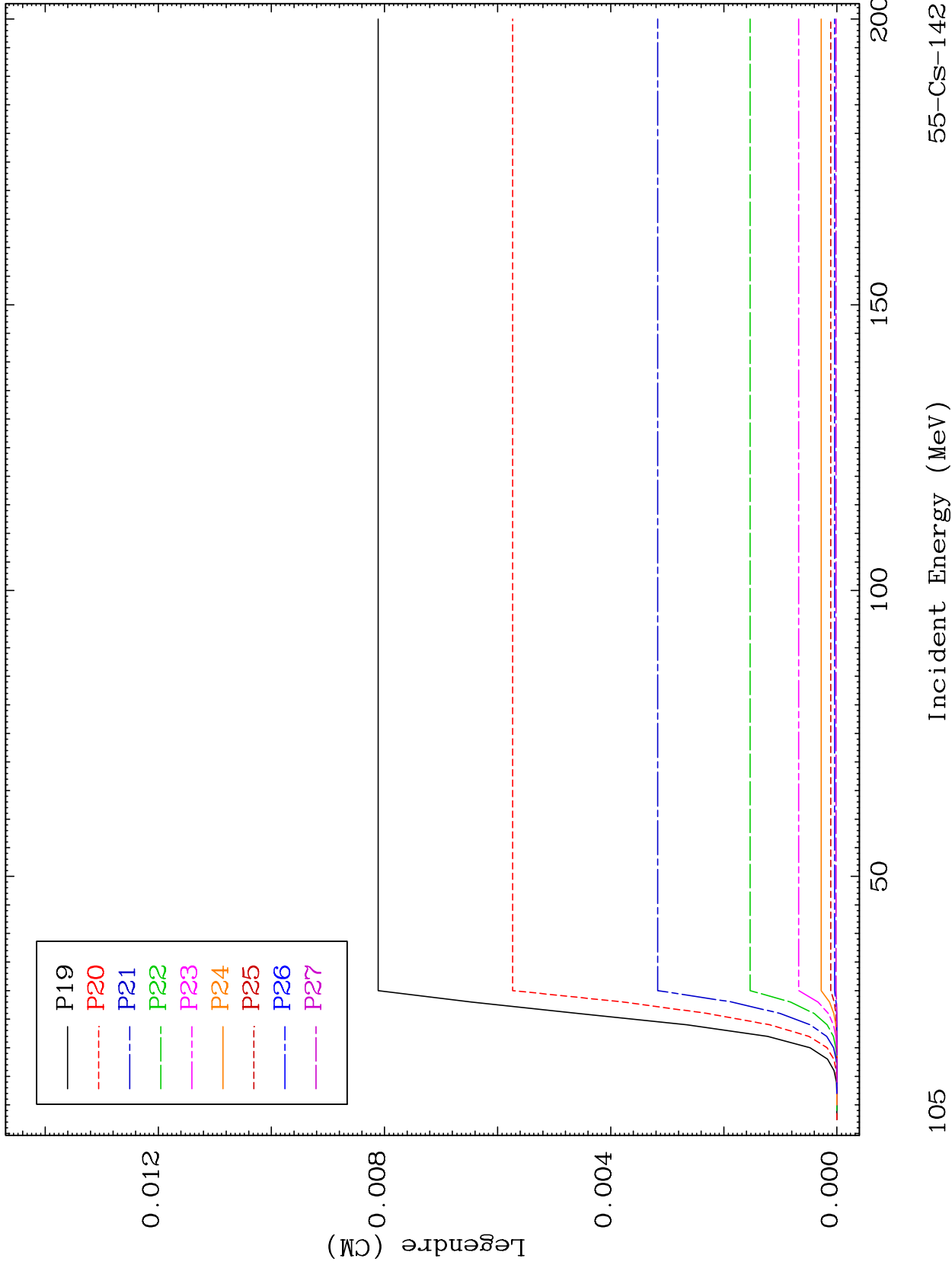
Incident Energy (MeV)

55-Cs-142

MAT 5552

1.876 MeV (n,n') Level
Legendre Coefficients

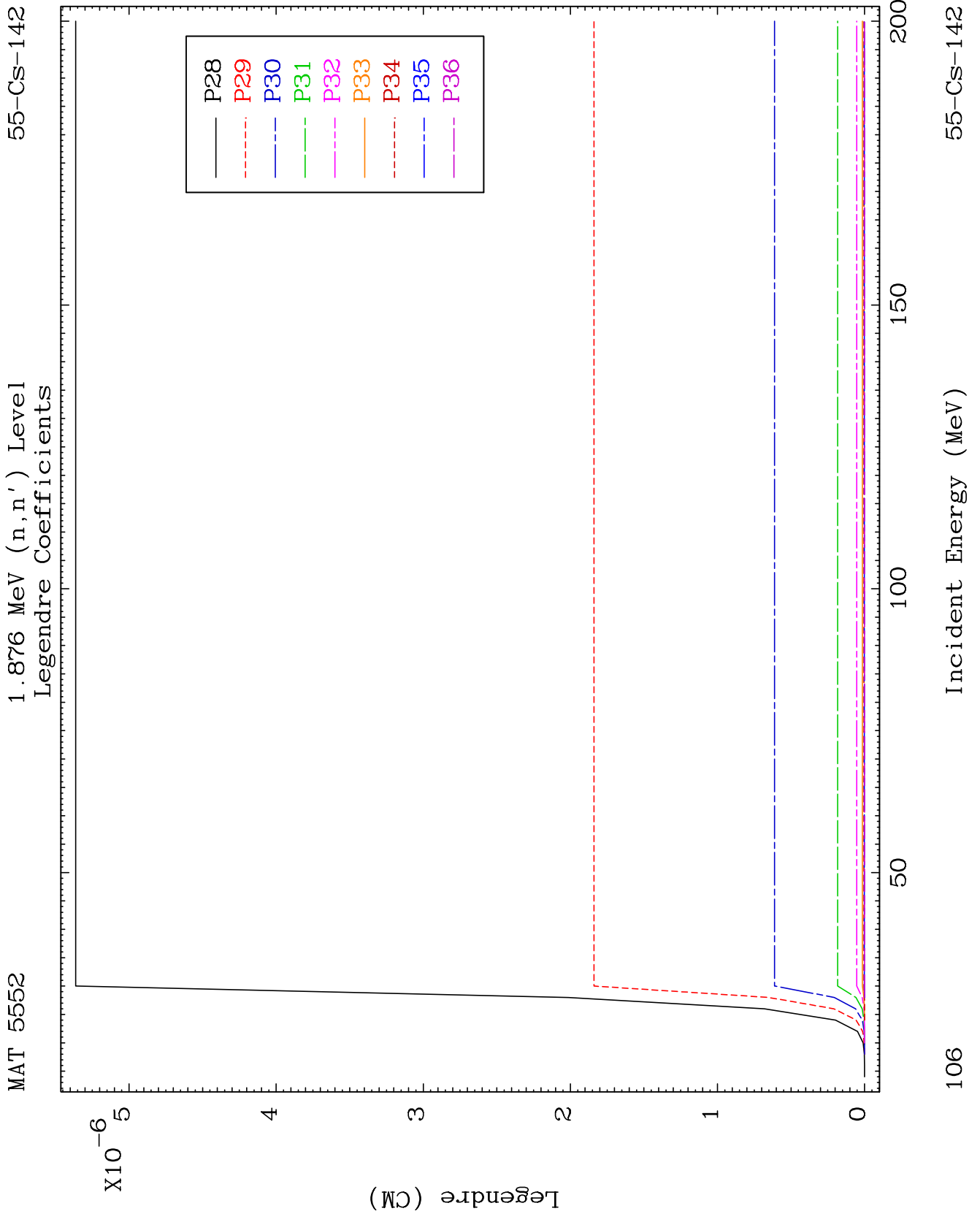
55-Cs-142



105

Incident Energy (MeV)

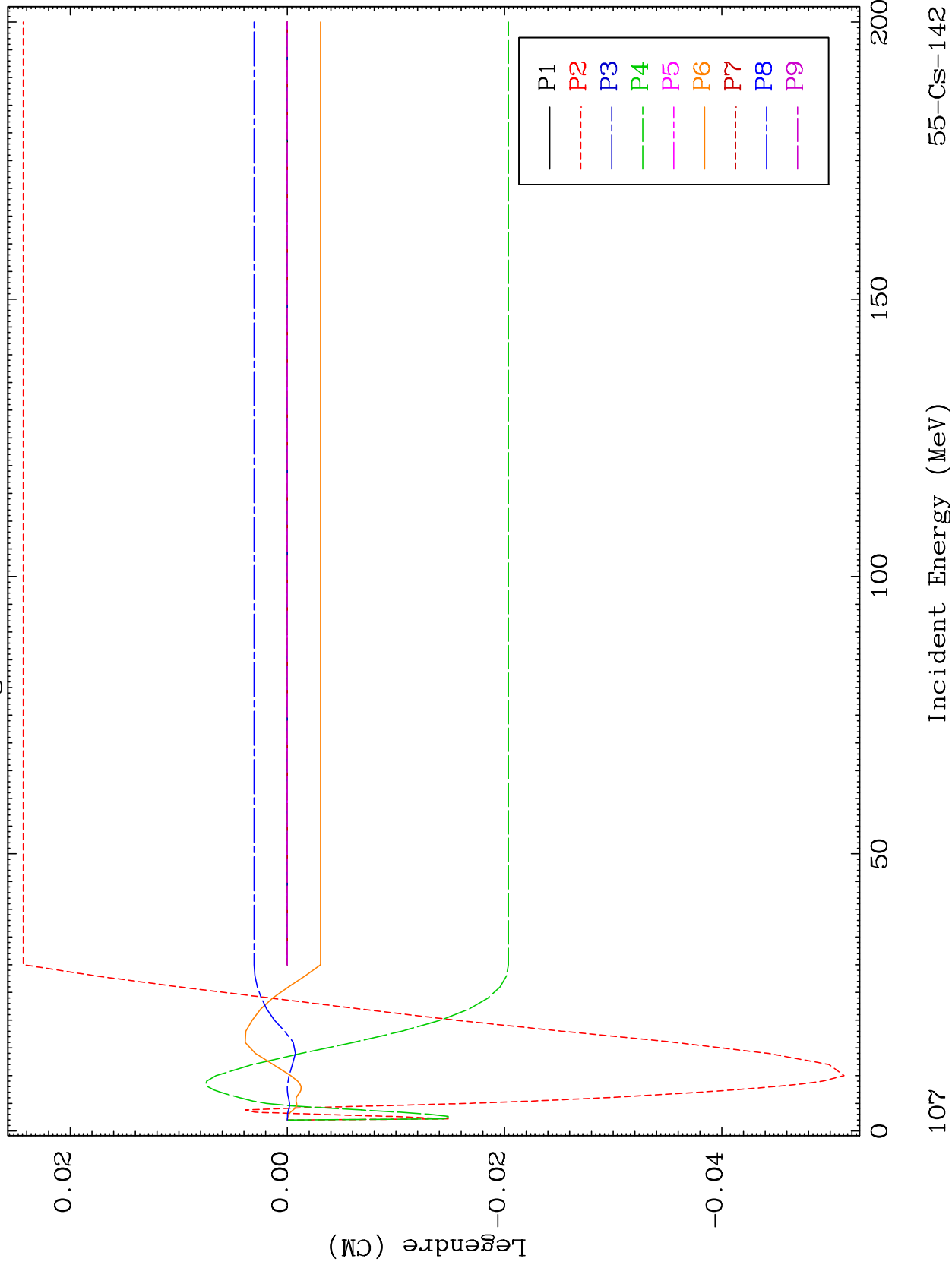
55-Cs-142



MAT 5552

1.961 MeV (n,n') Level
Legendre Coefficients

55-Cs-142



55-Cs-142

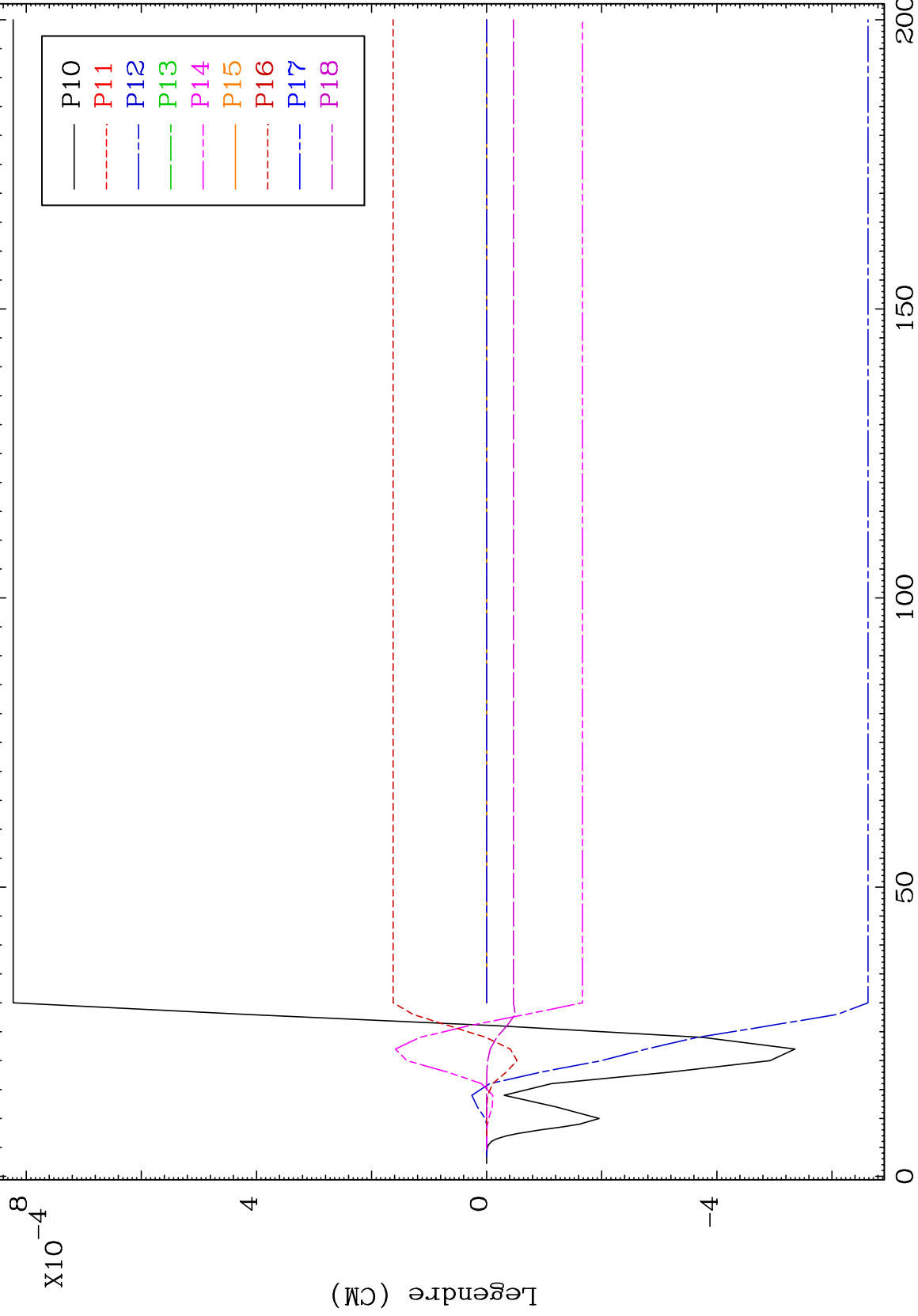
Incident Energy (MeV)

107

MAT 5552

1.961 MeV (n,n') Level
Legendre Coefficients

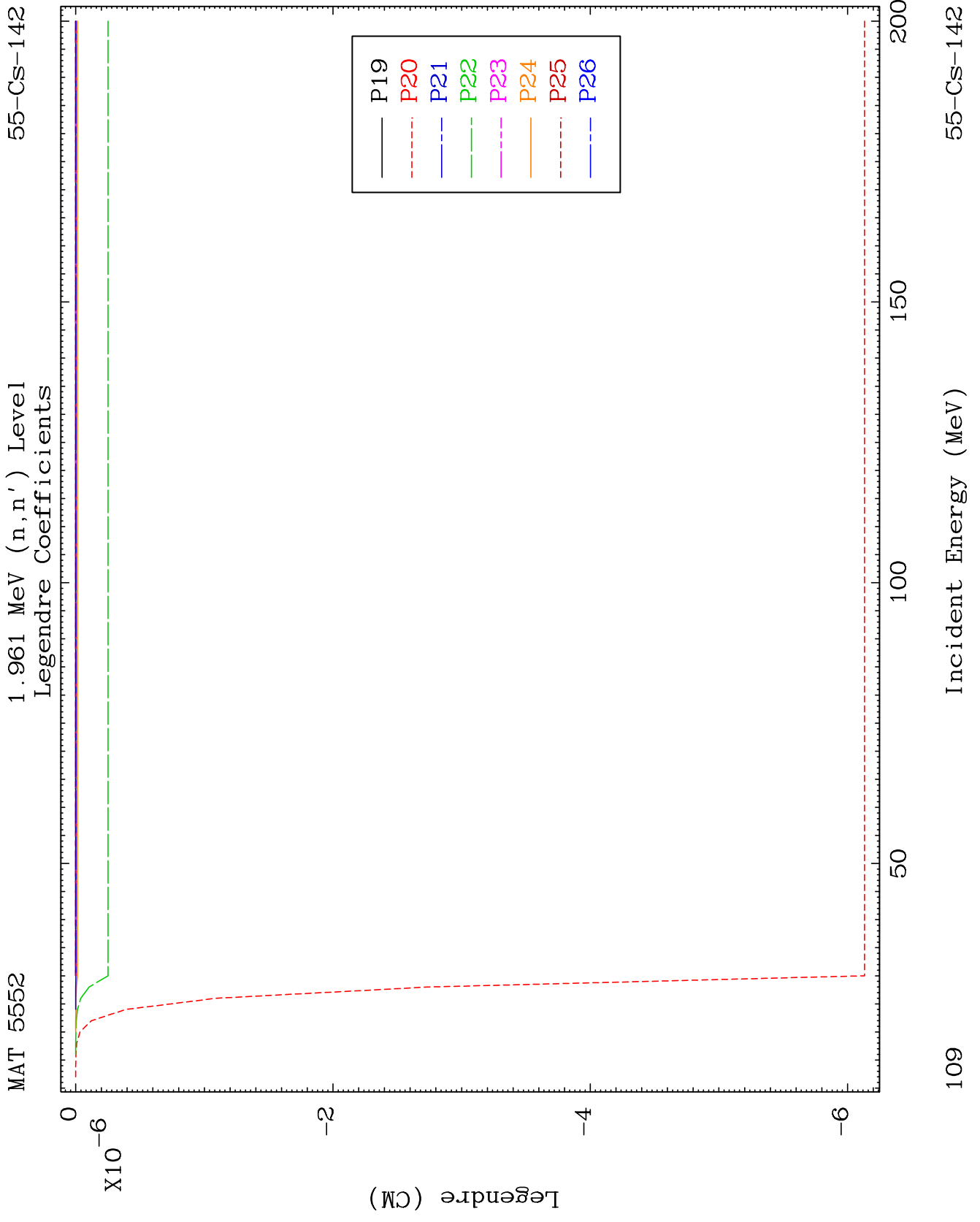
55-Cs-142

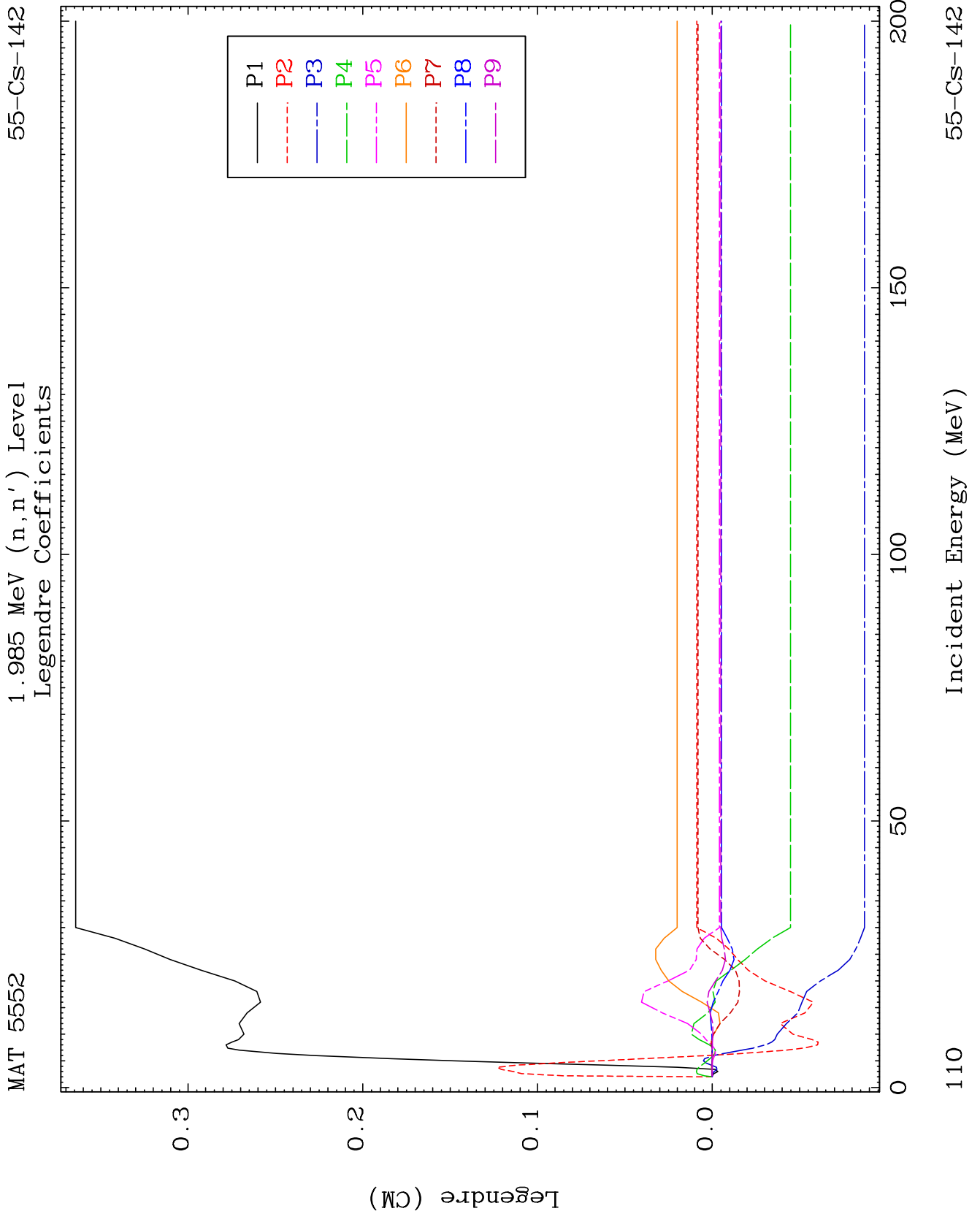


55-Cs-142

Incident Energy (MeV)

108

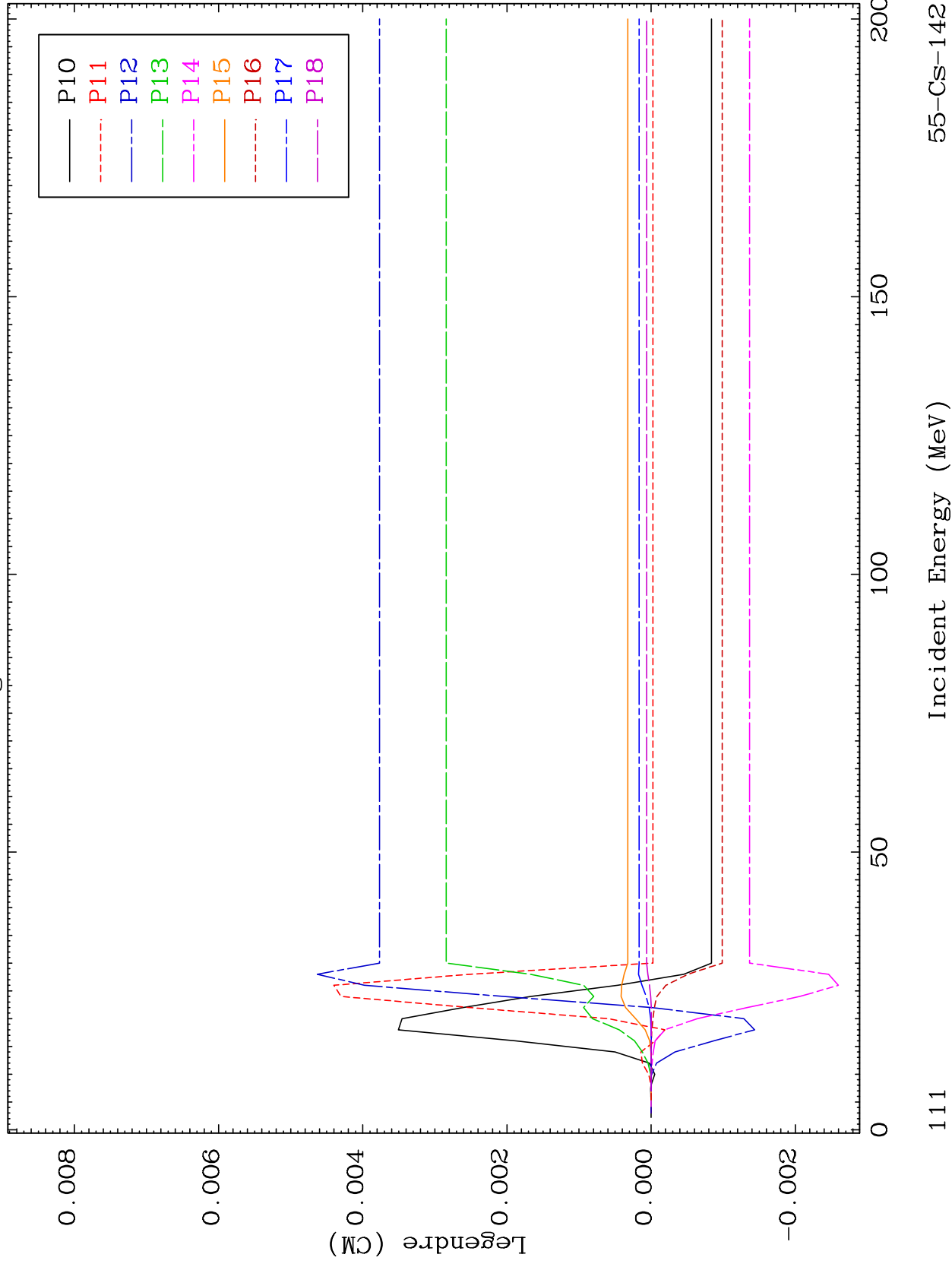




MAT 5552

1.985 MeV (n,n') Level
Legendre Coefficients

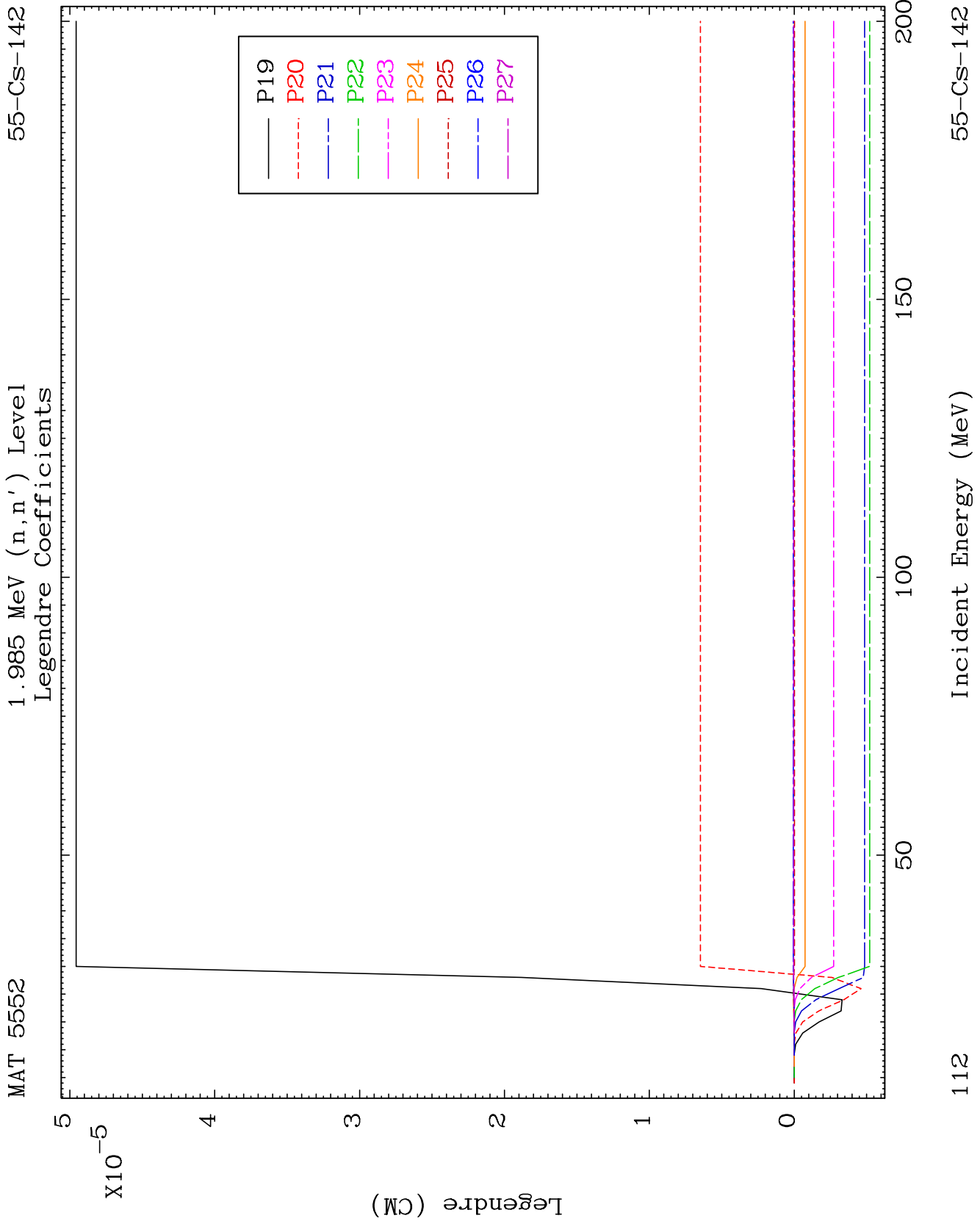
55-Cs-142

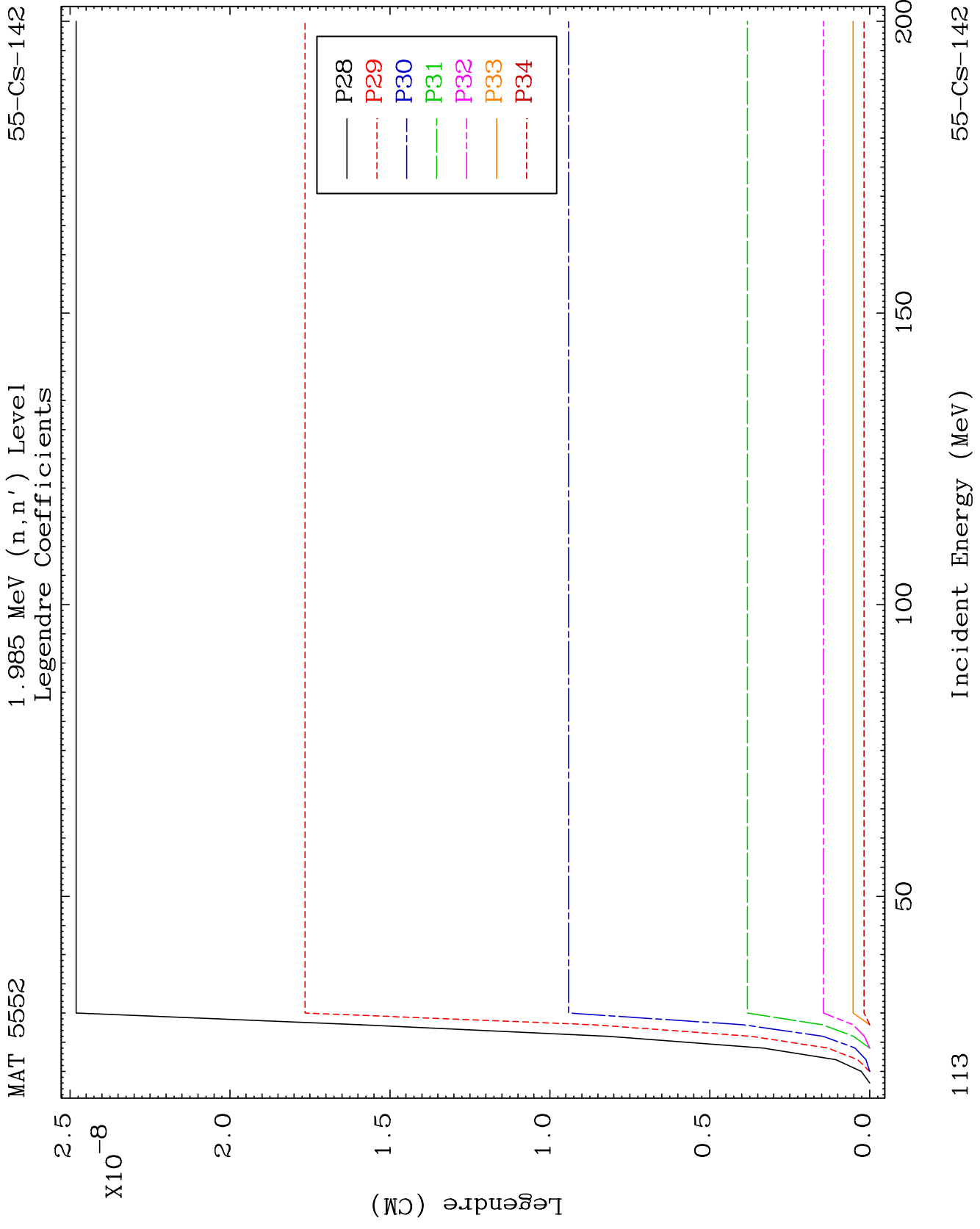


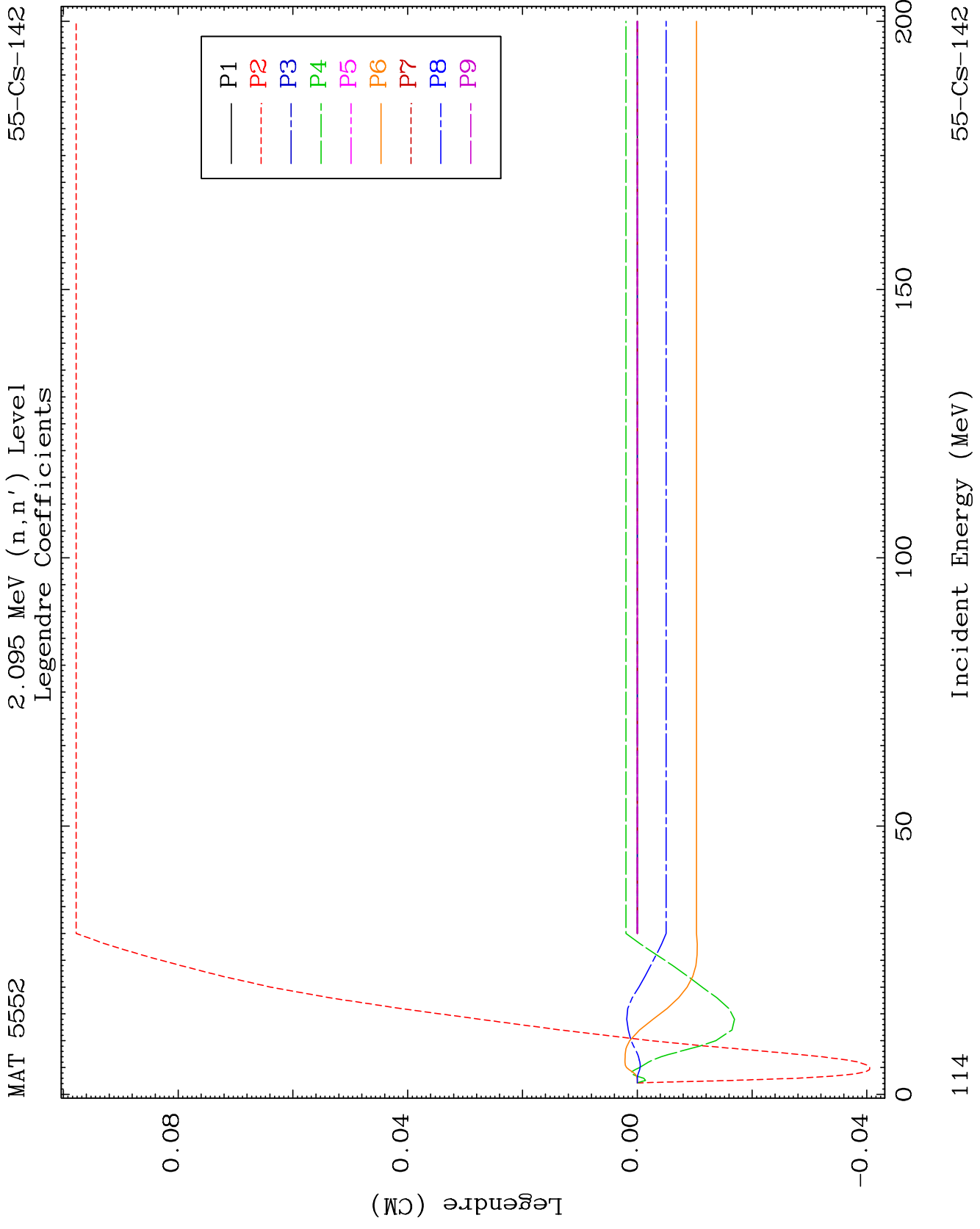
111

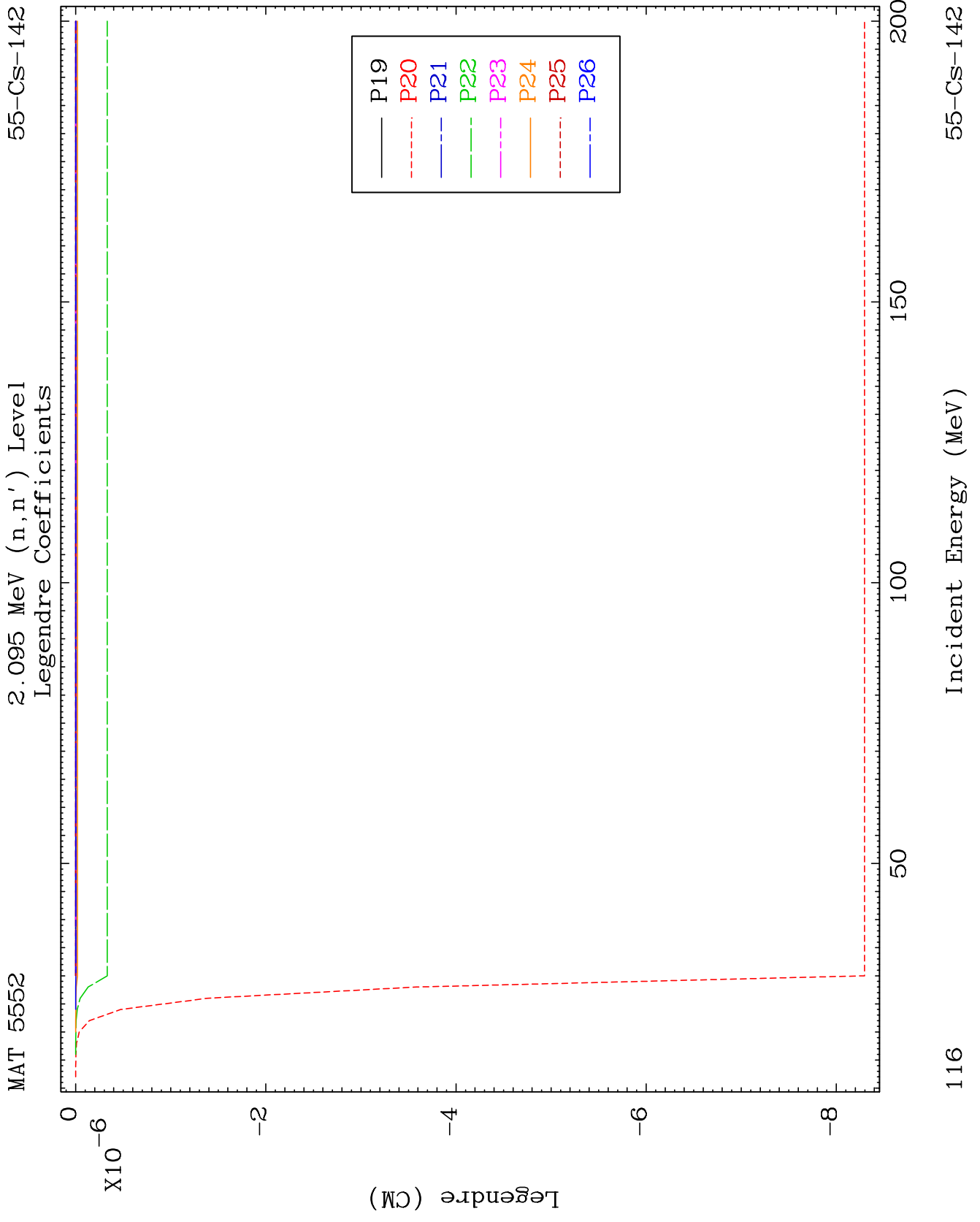
Incident Energy (MeV)

55-Cs-142







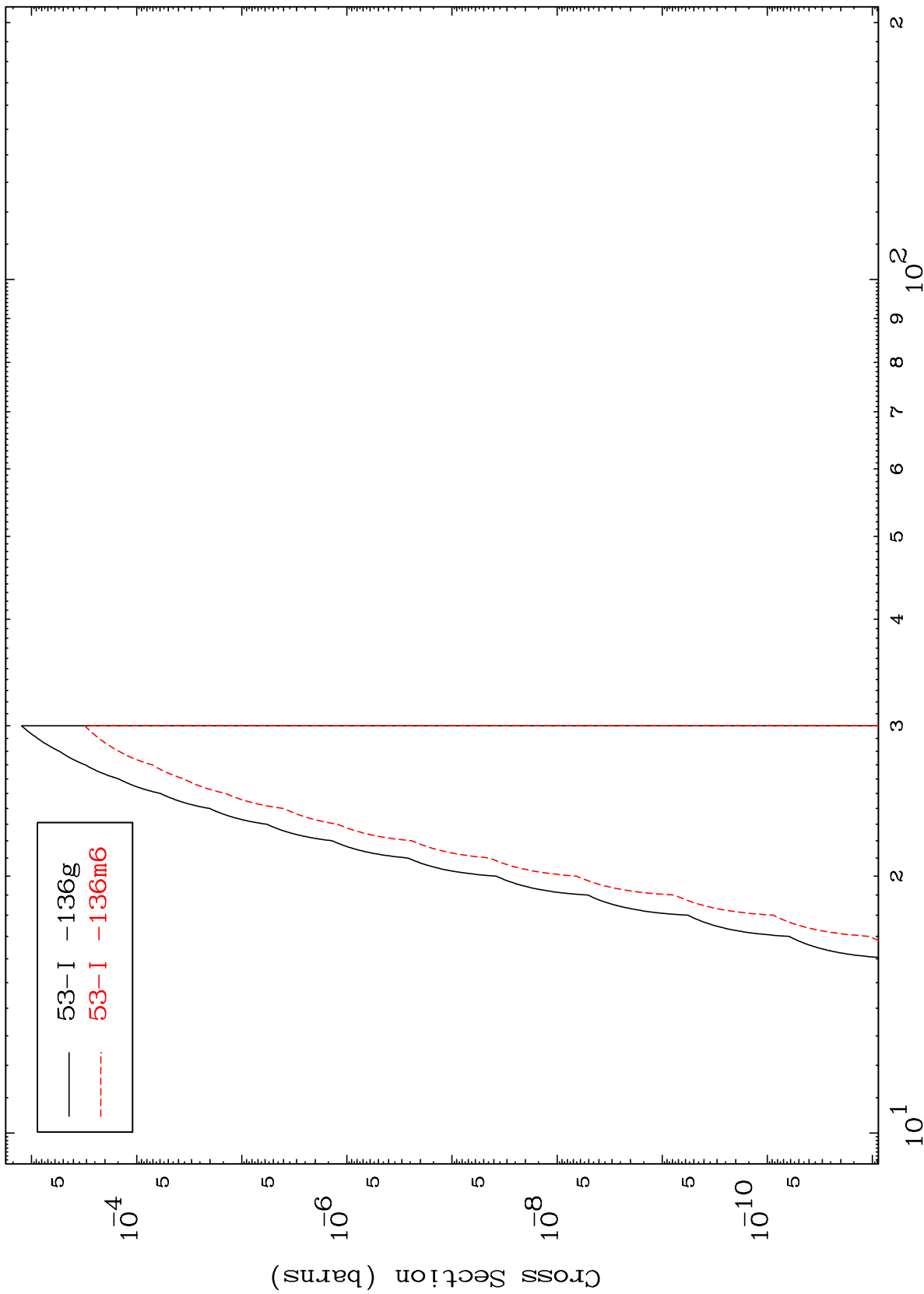


MAT 5552

(n,3n) α

55-Cs-142

Radionuclide Production Cross Section



53-I -136g
53-I -136m6

Incident Energy (MeV)

55-Cs-142

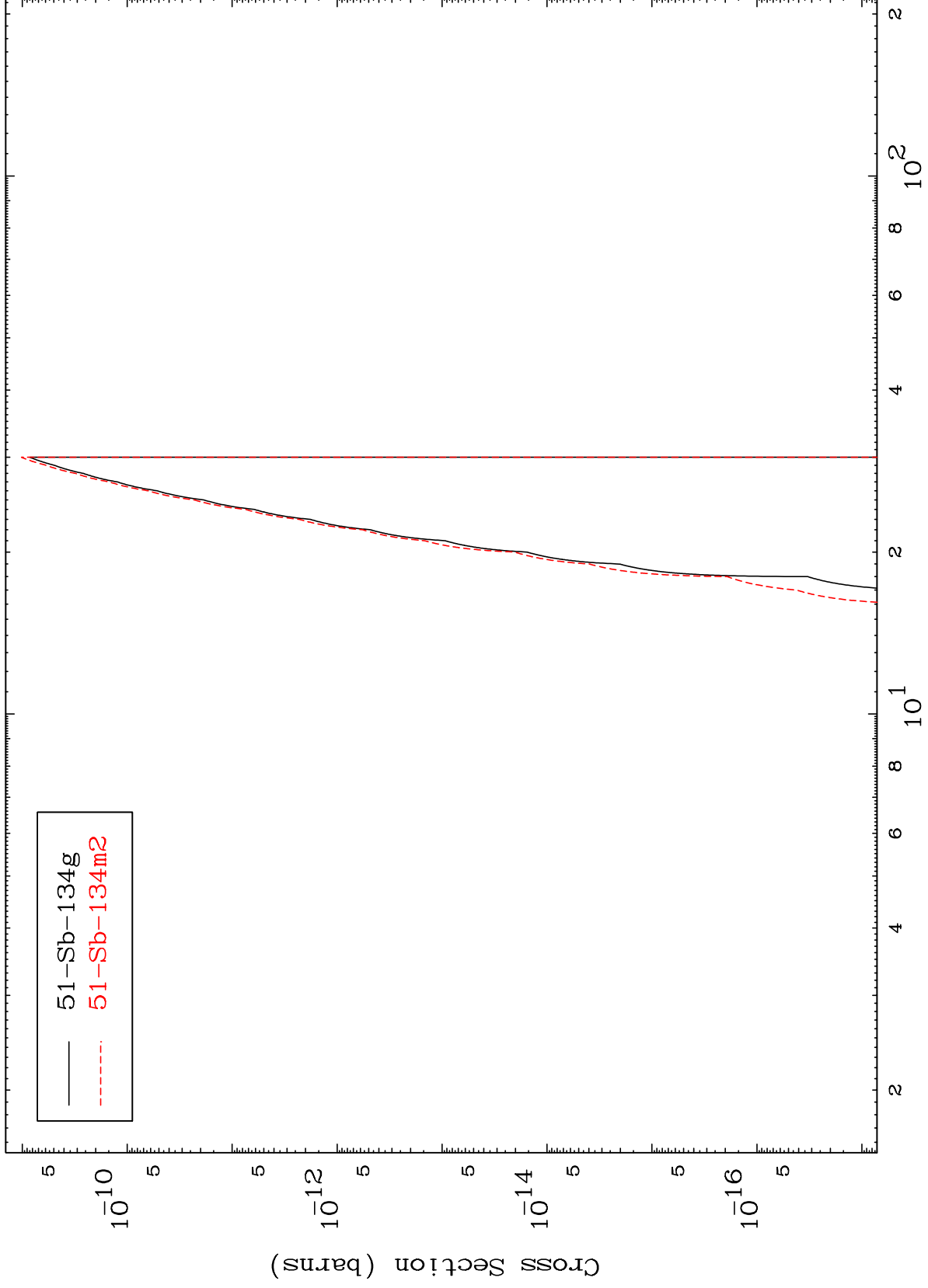
117

MAT 5552

(n,n') 2α

55-Cs-142

Radionuclide Production Cross Section



— 51-Sb-134g
- - - 51-Sb-134m2