

Program EVALPLOT
(Version 2015-2)

by

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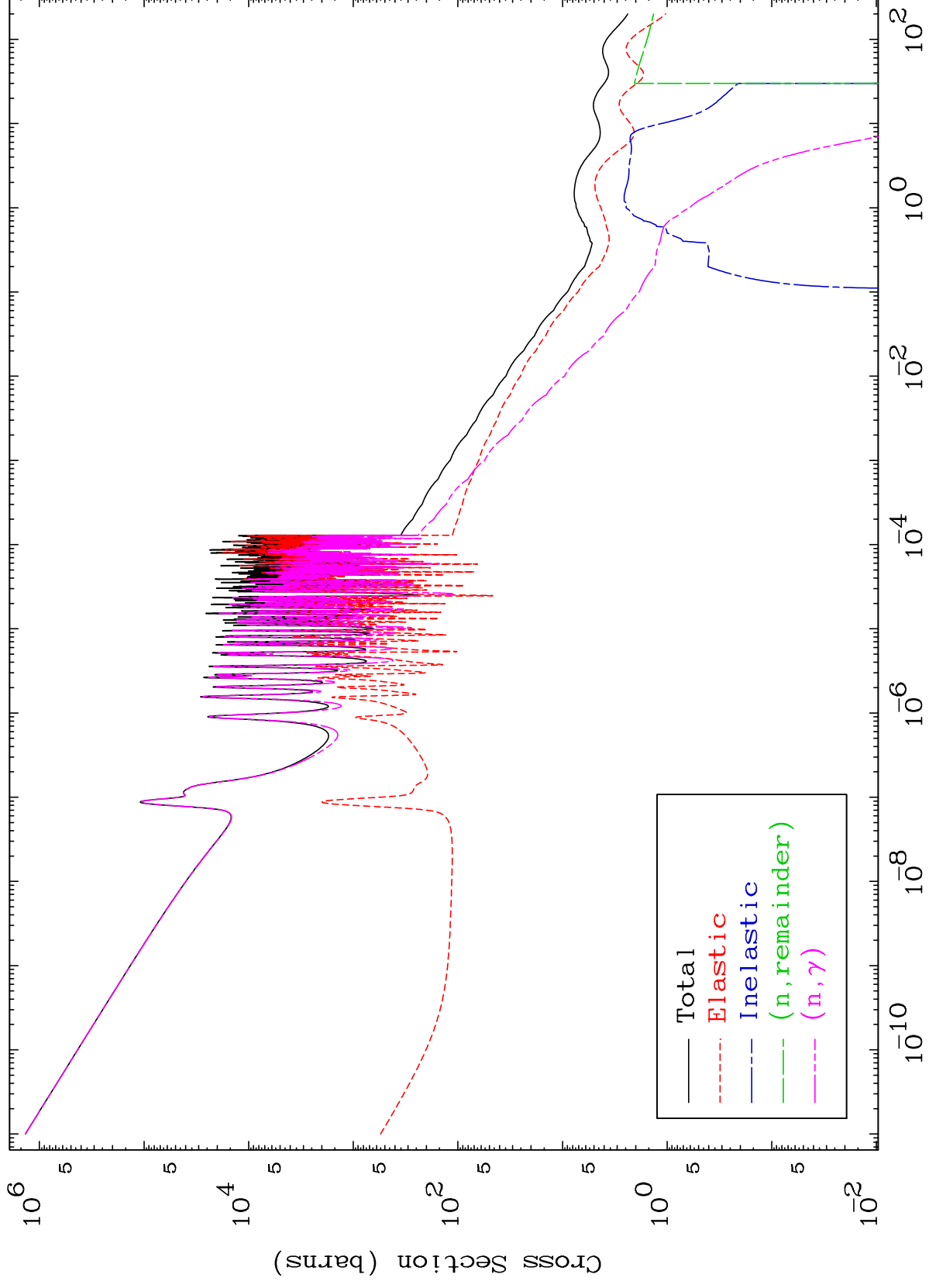
Press Mouse Button to Start

MAT 6422

Major

293 Kelvin Cross Sections

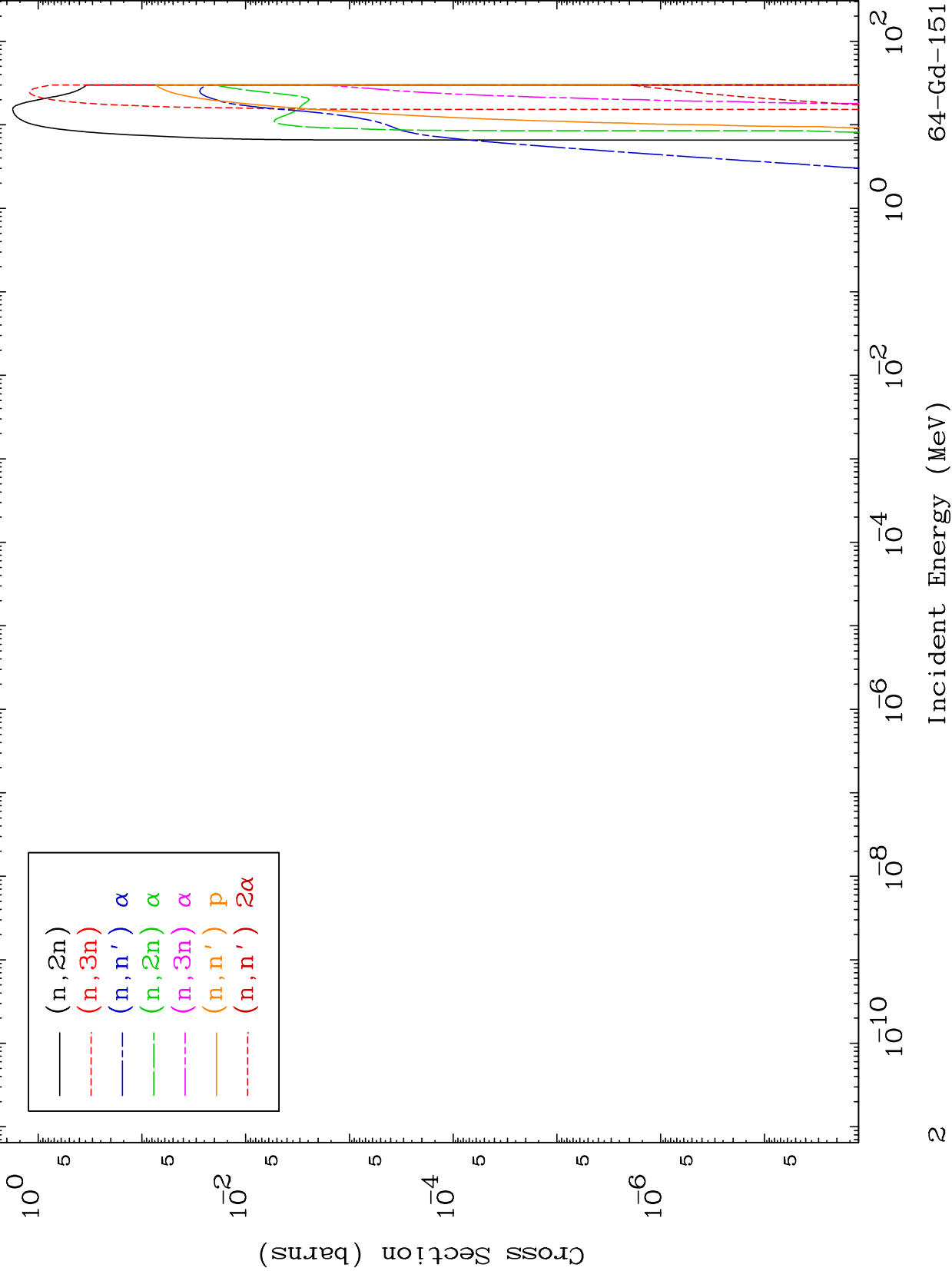
64-Gd-151

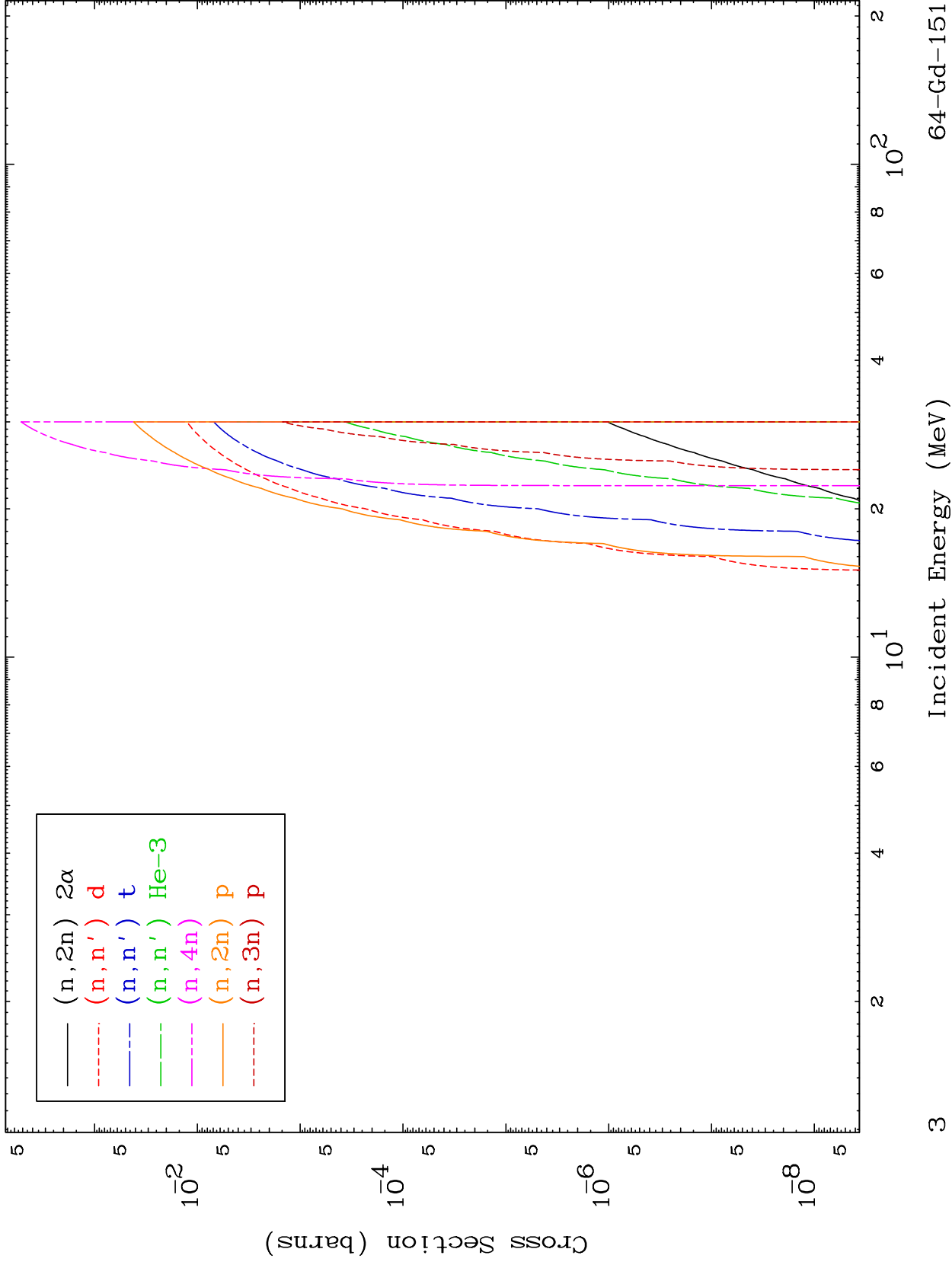


MAT 6422

Neutron Production
293 Kelvin Cross Sections

64-Gd-151

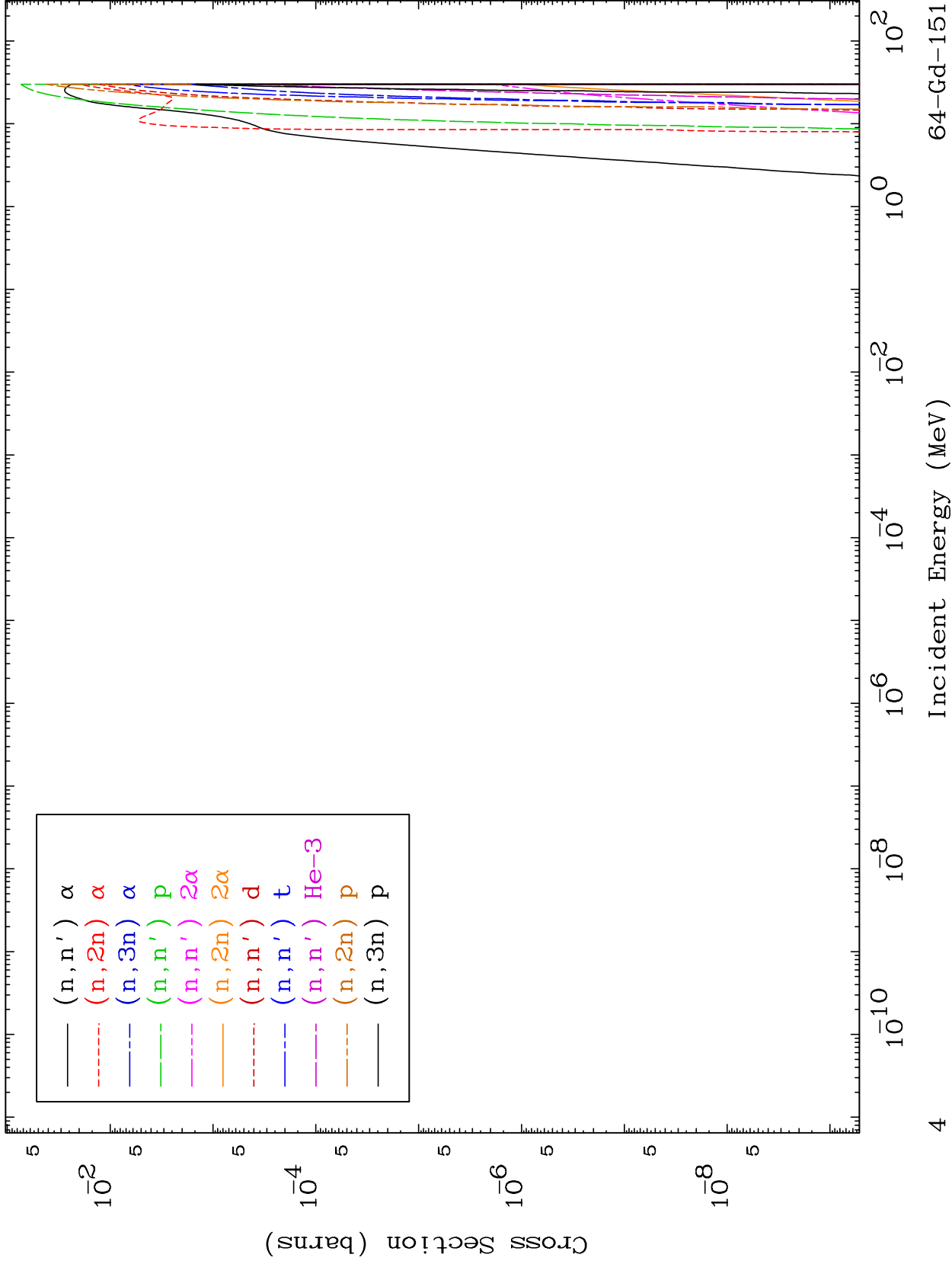




MAT 6422

Charged Particle
293 Kelvin Cross Sections

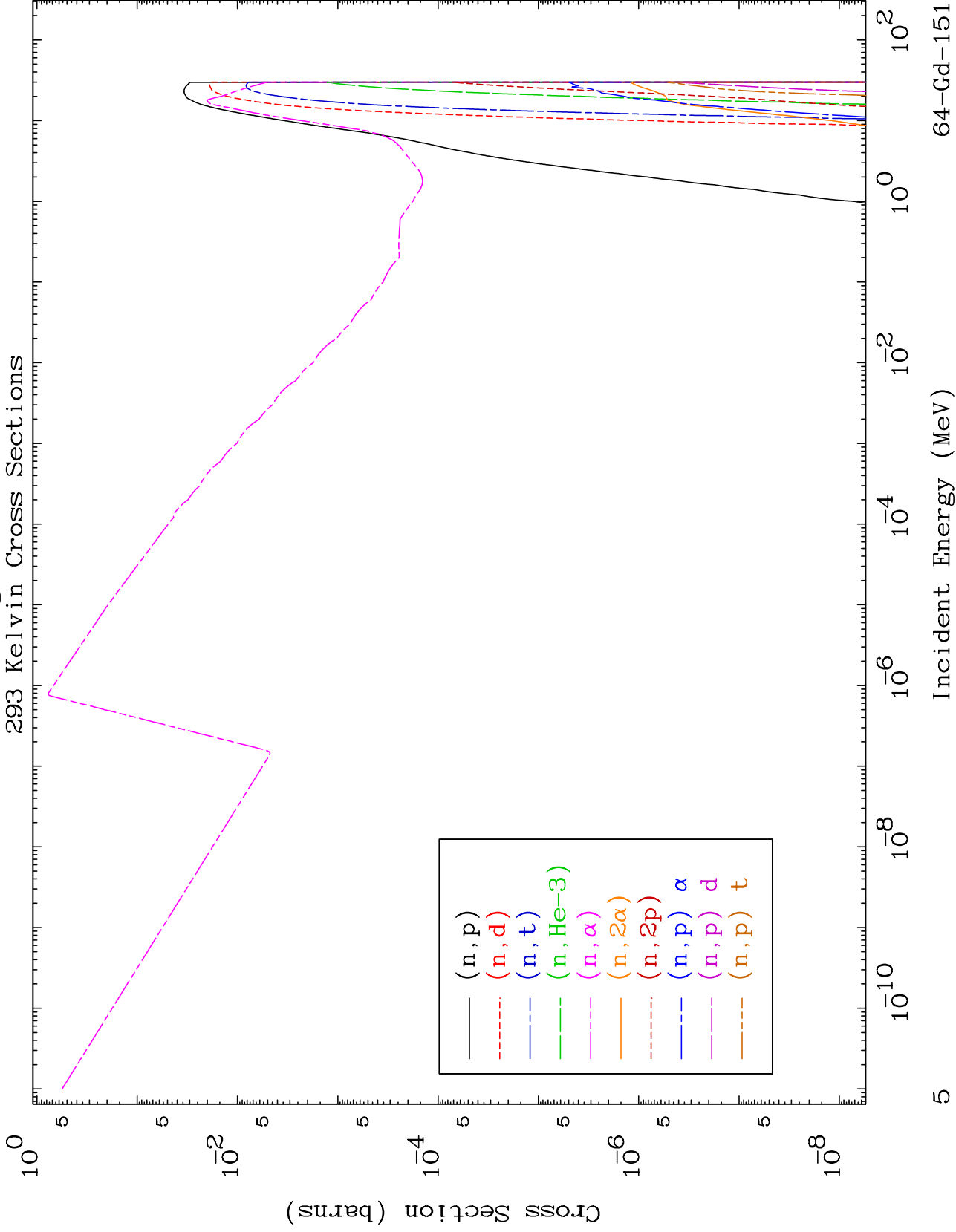
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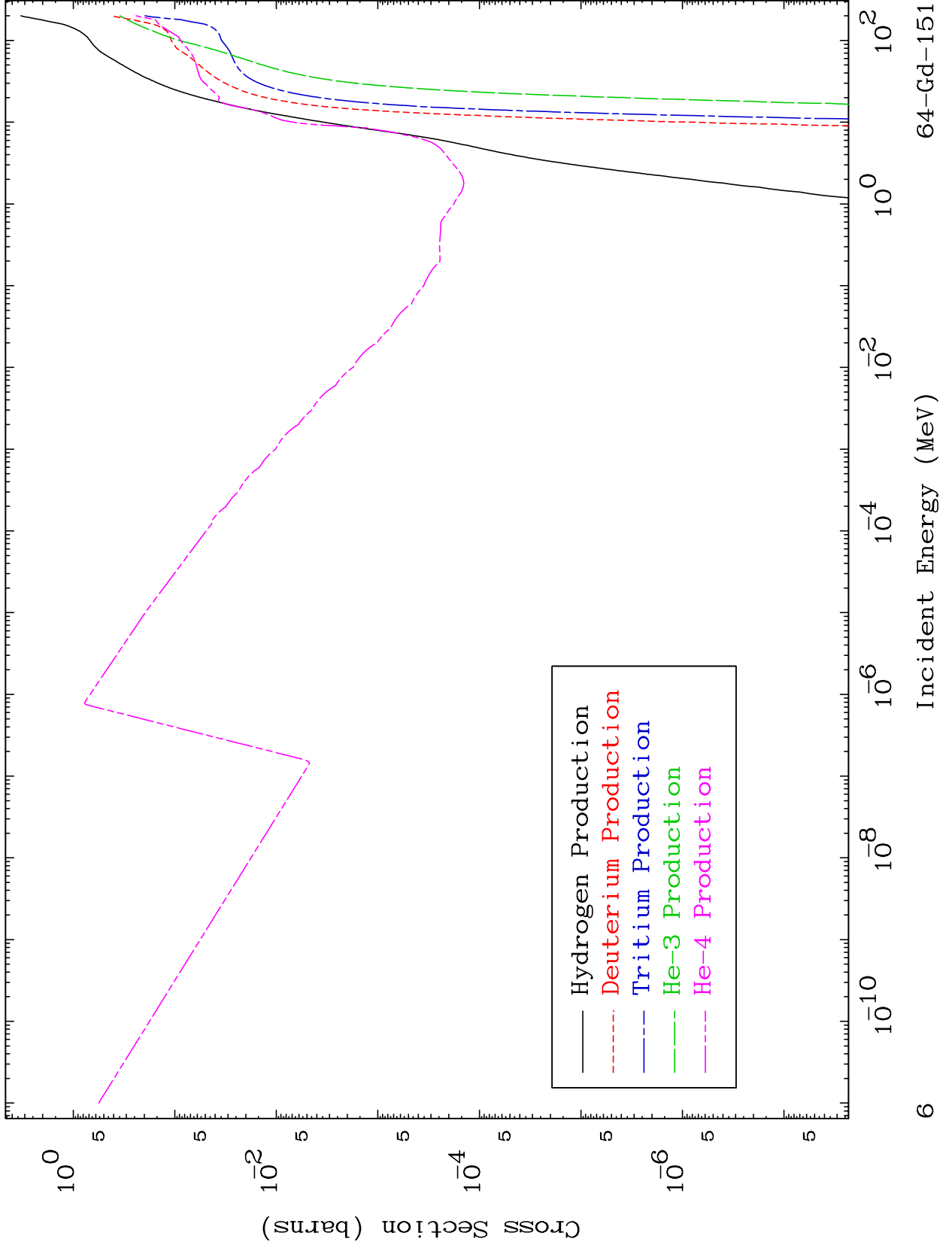


MAT 6422

Charged Particle
293 Kelvin Cross Sections

64-Gd-151



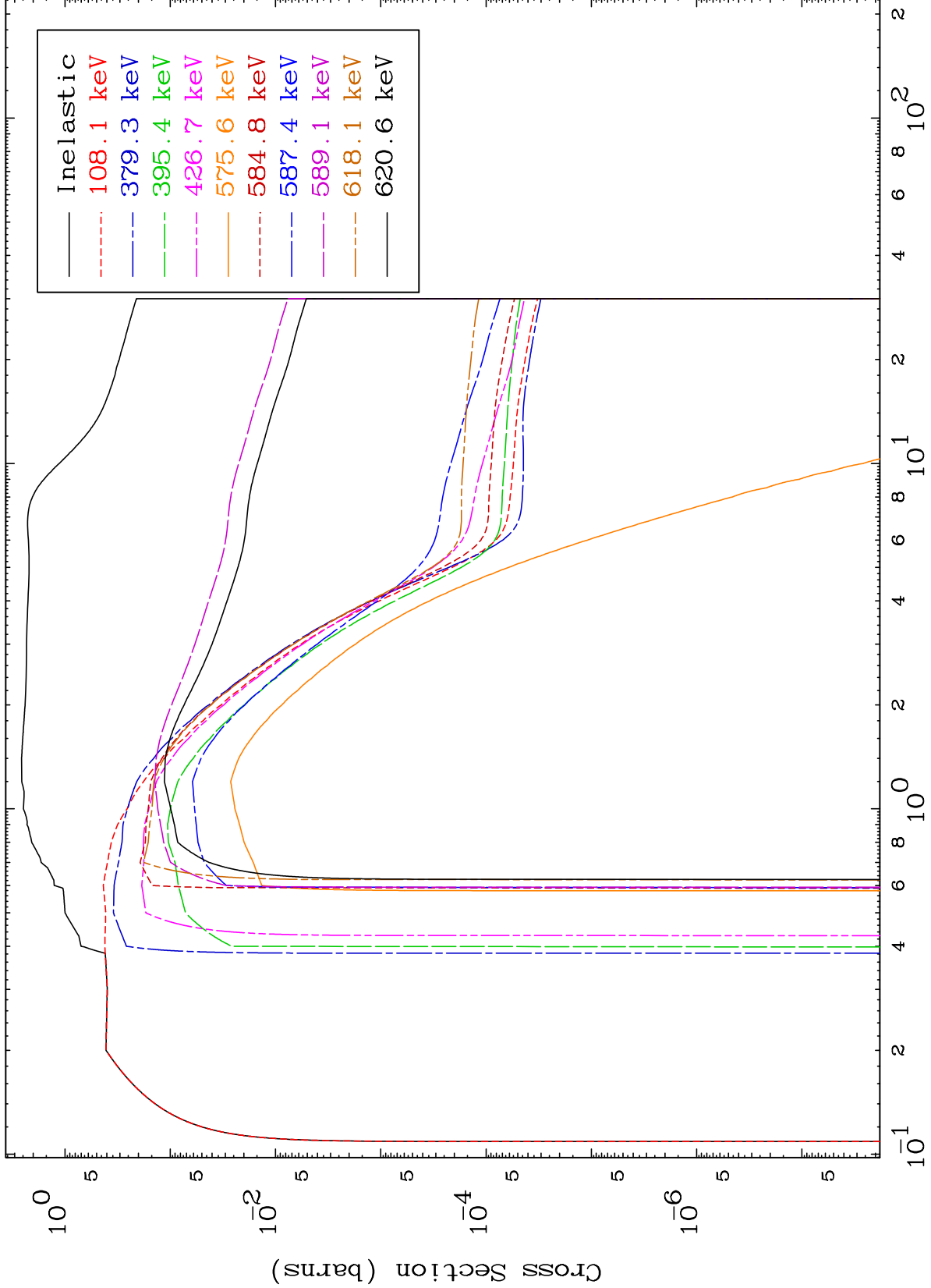


MAT 6422

(n,n') Level

64-Gd-151

293 Kelvin Cross Sections



Incident Energy (MeV)

64-Gd-151

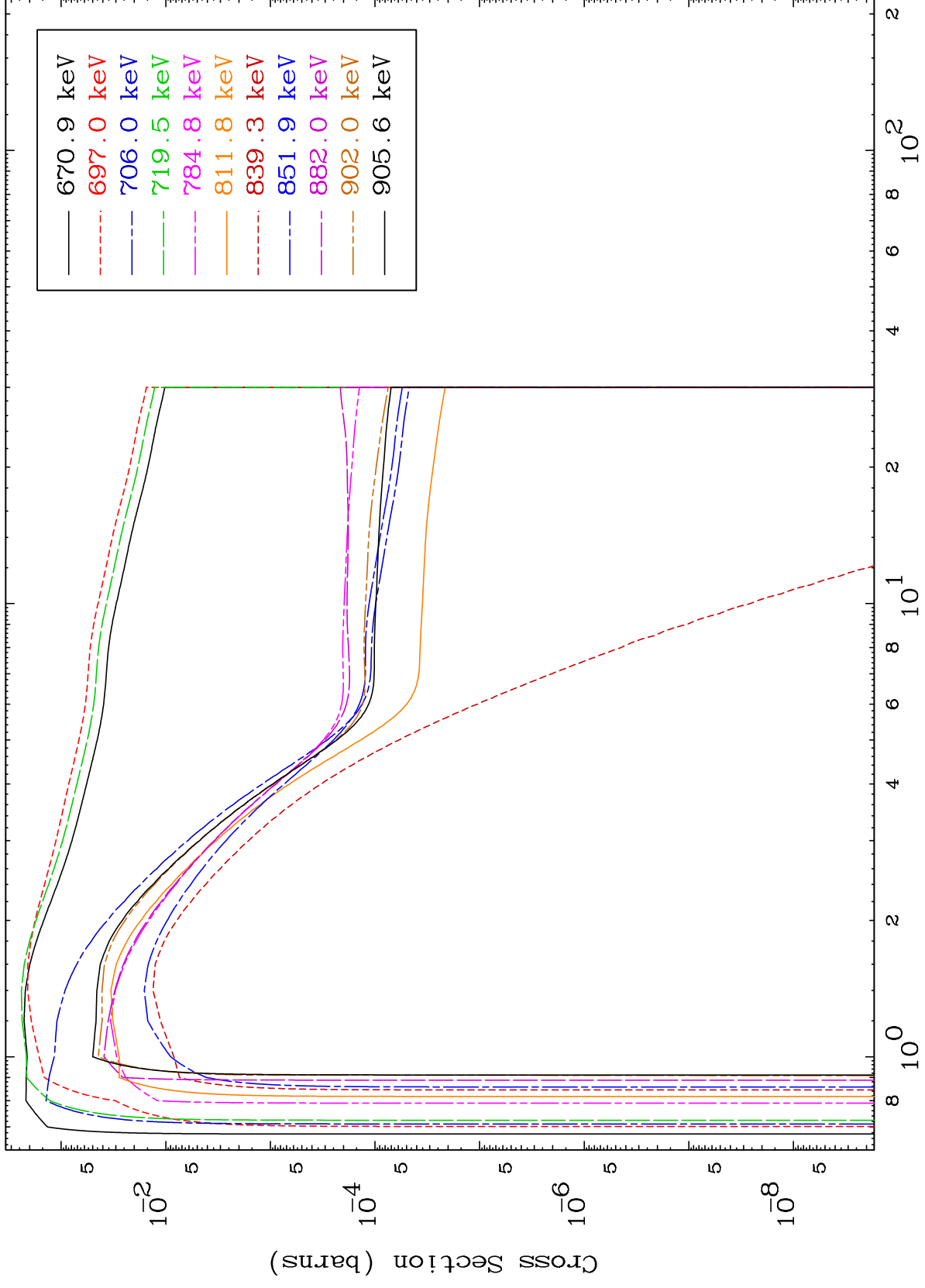
7

MAT 6422

(n,n') Level

64-Gd-151

293 Kelvin Cross Sections



8

Incident Energy (MeV)

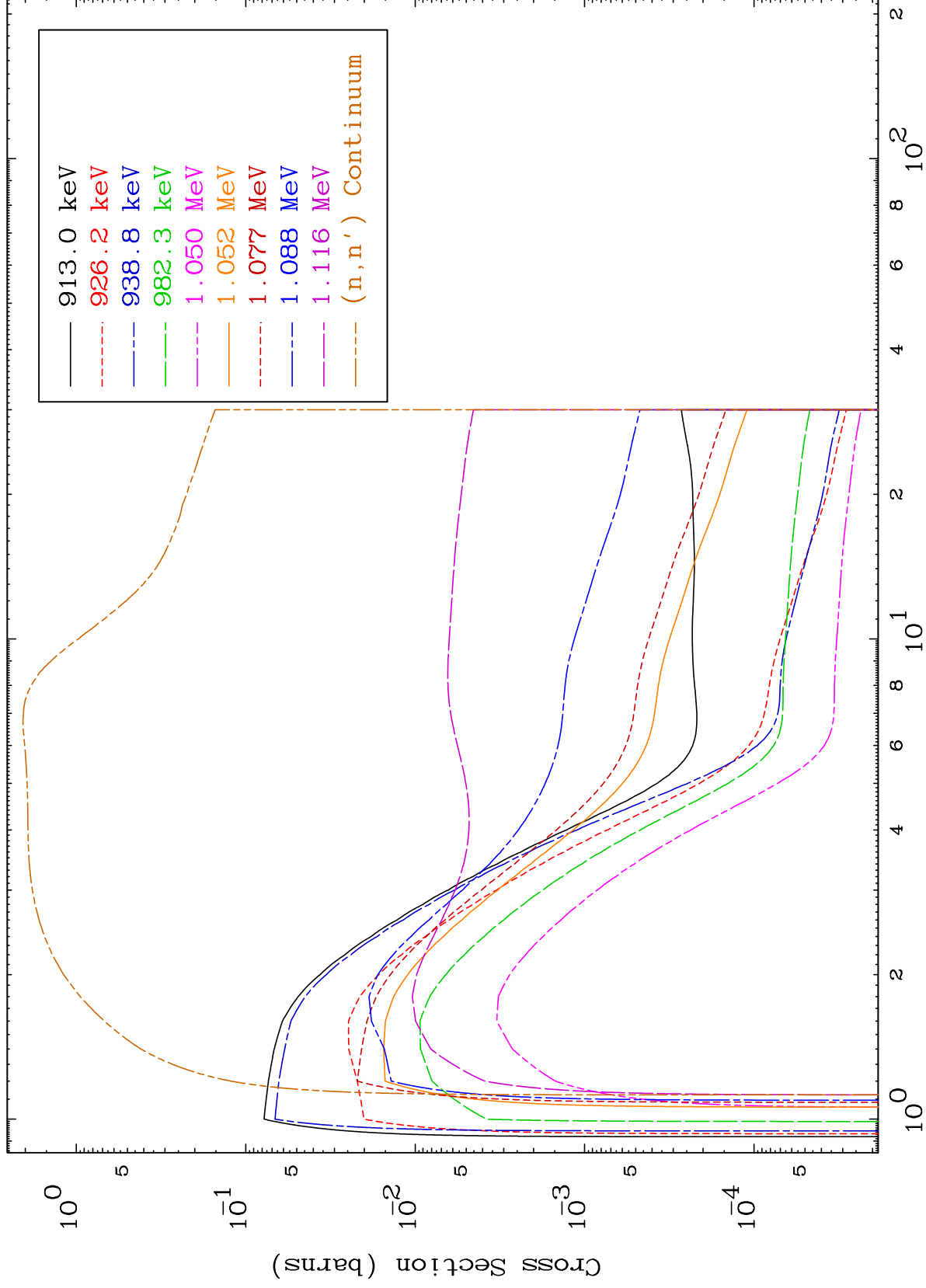
64-Gd-151

MAT 6422

(n,n') Level

64-Gd-151

293 Kelvin Cross Sections



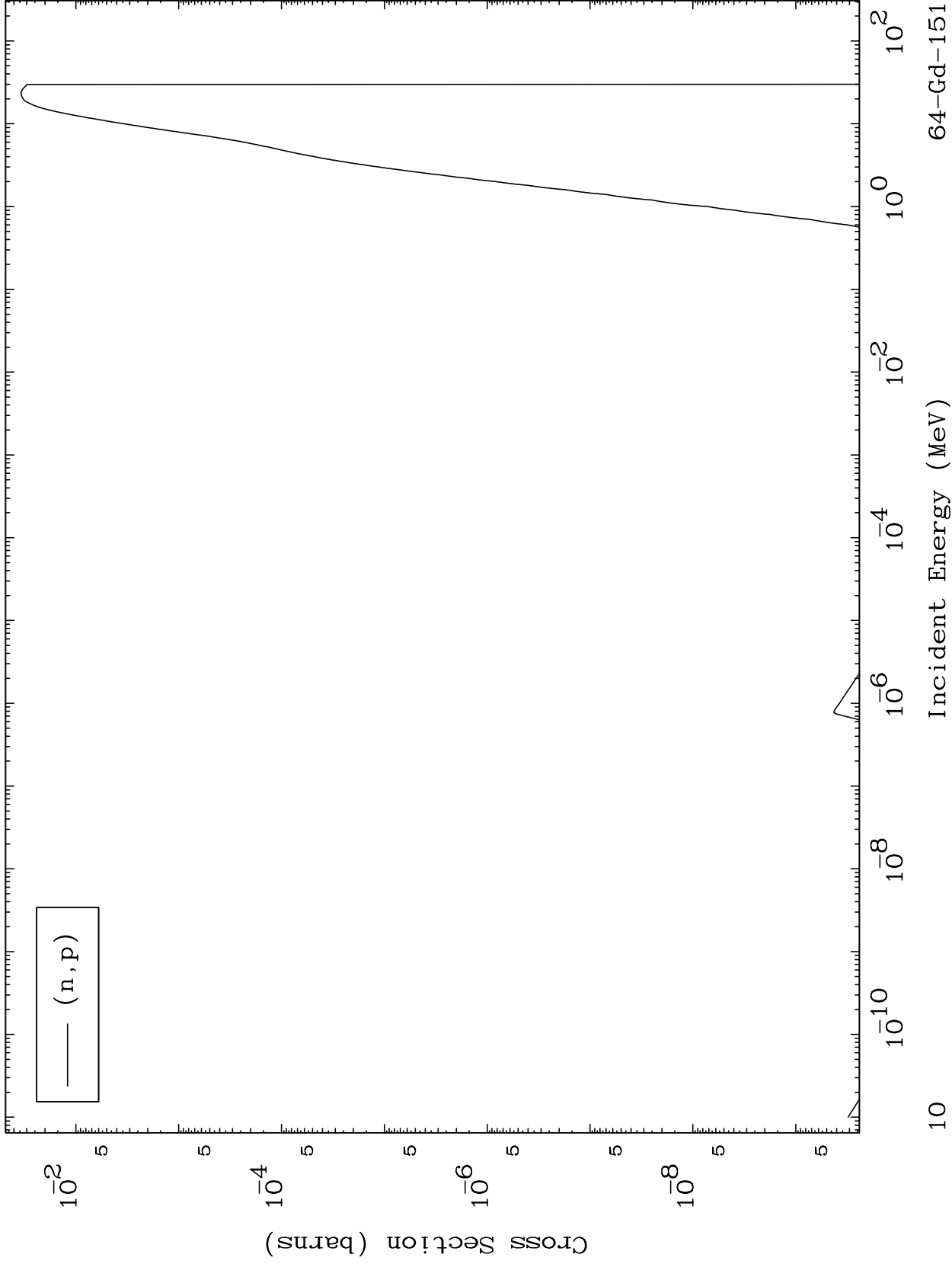
Incident Energy (MeV)

64-Gd-151

MAT 6422

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-151



10

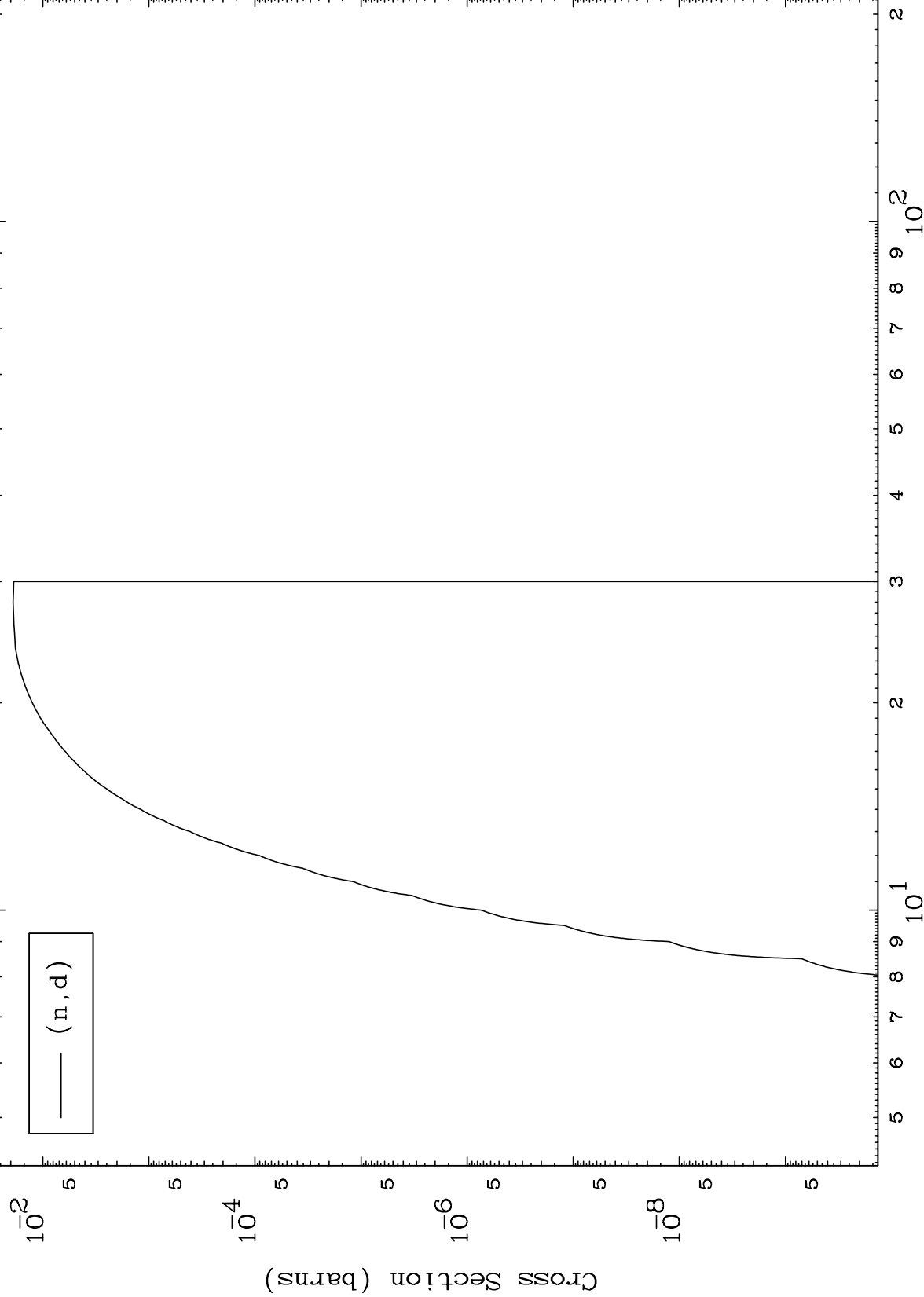
Incident Energy (MeV)

64-Gd-151

MAT 6422

(n,d) Levels
293 Kelvin Cross Sections

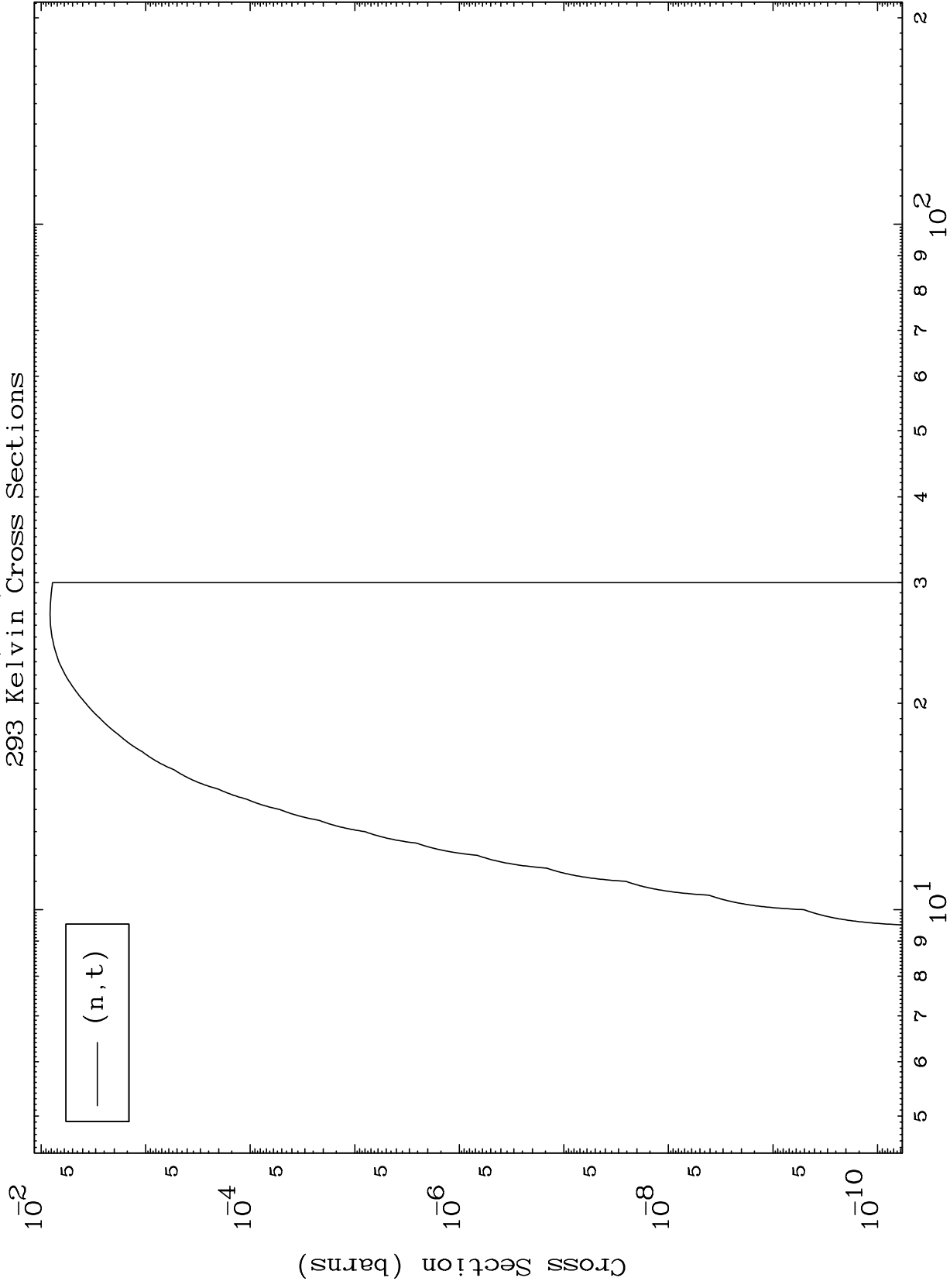
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MAT 6422

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-151



12

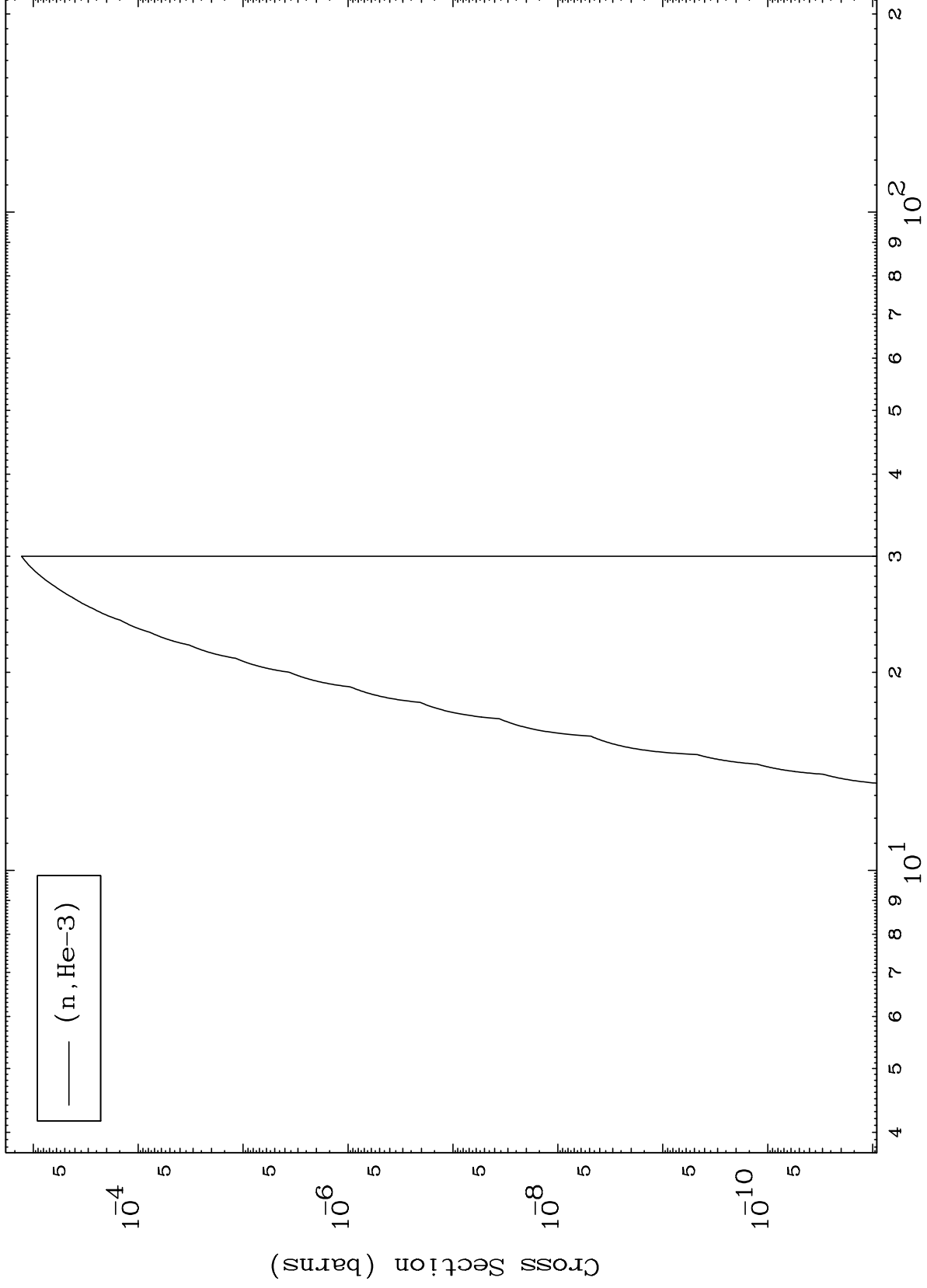
Incident Energy (MeV)

64-Gd-151

MAT 6422

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-151



13

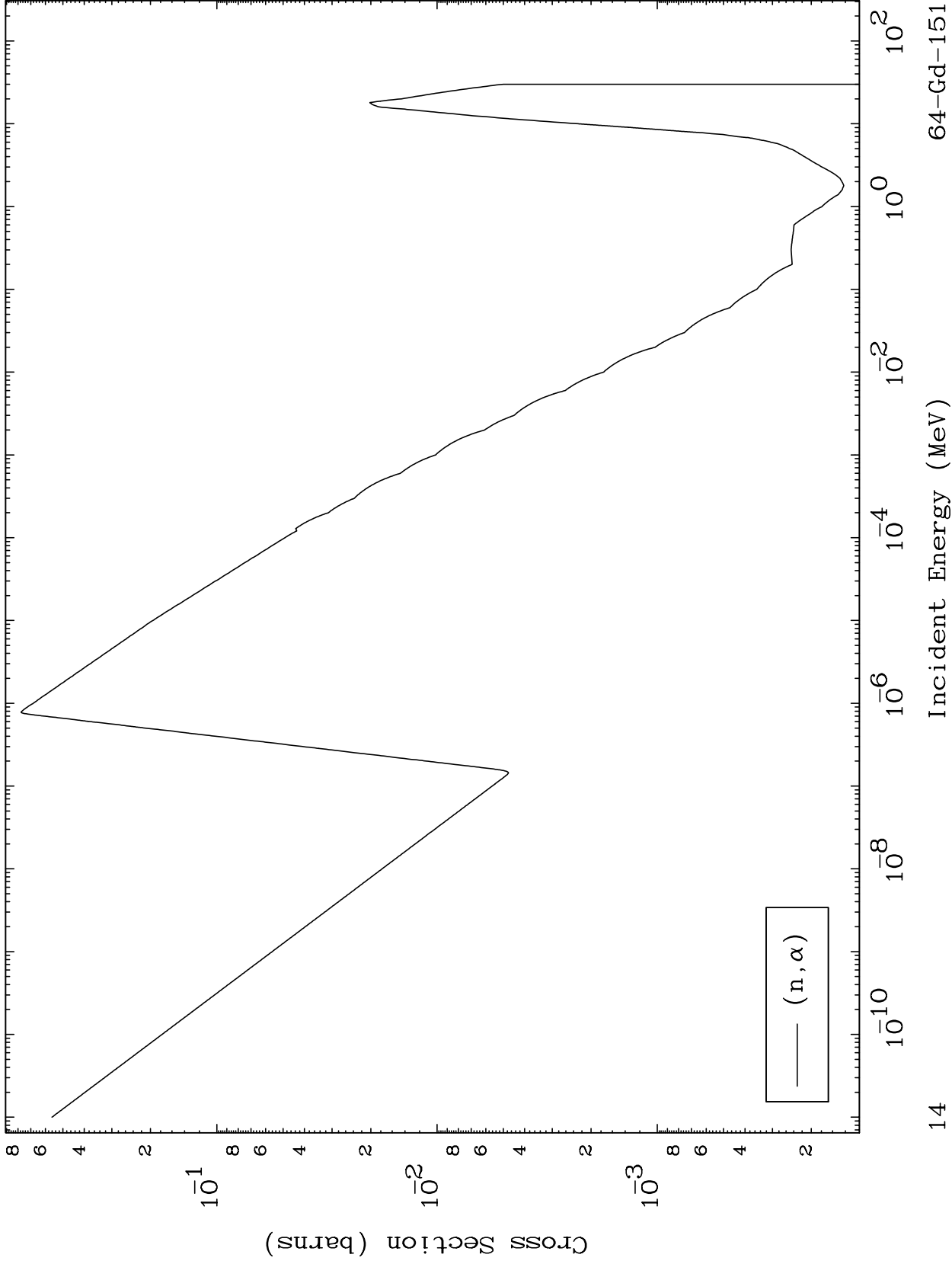
Incident Energy (MeV)

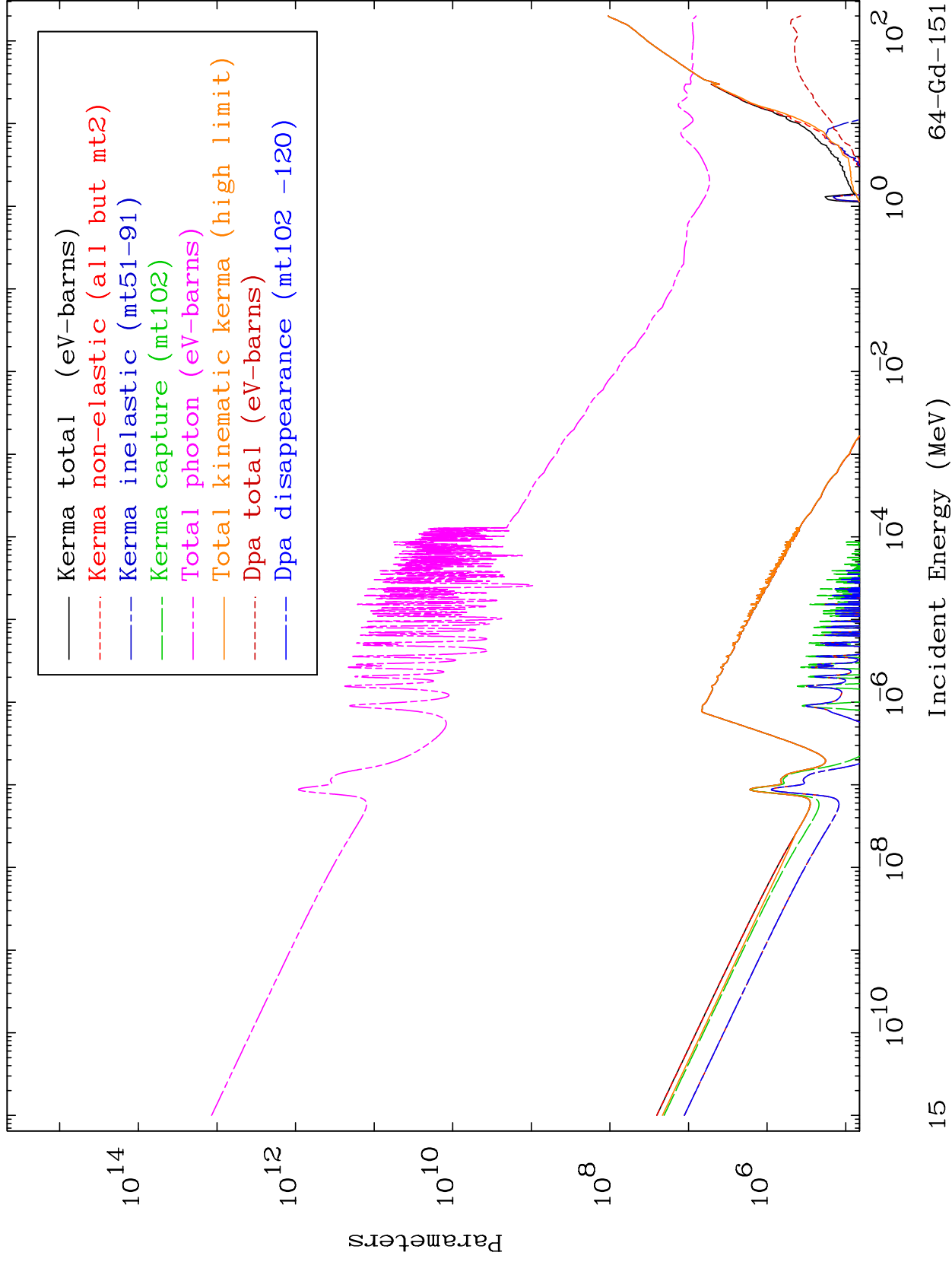
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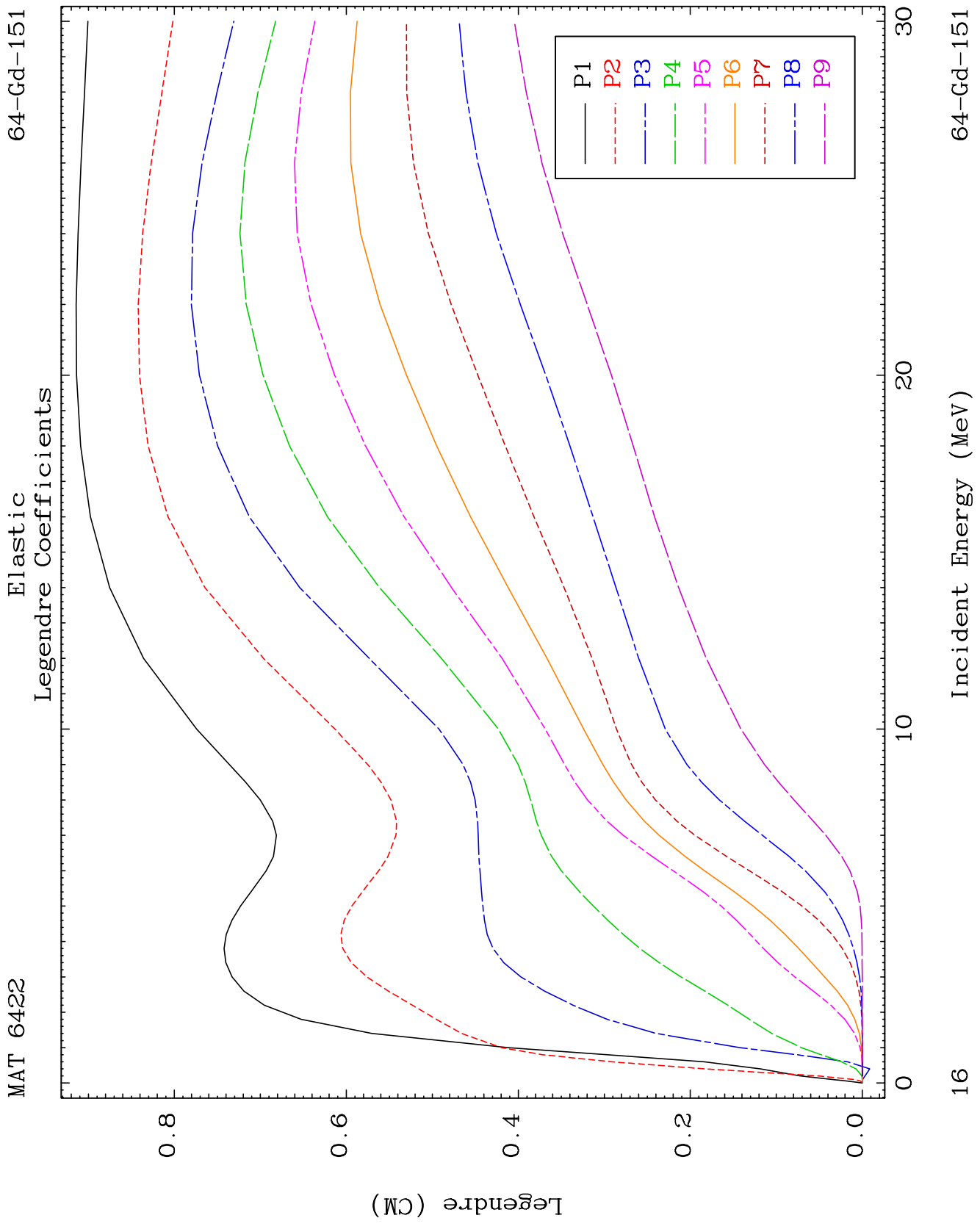
MAT 6422

(n, α) Levels
293 Kelvin Cross Sections

64-Gd-151



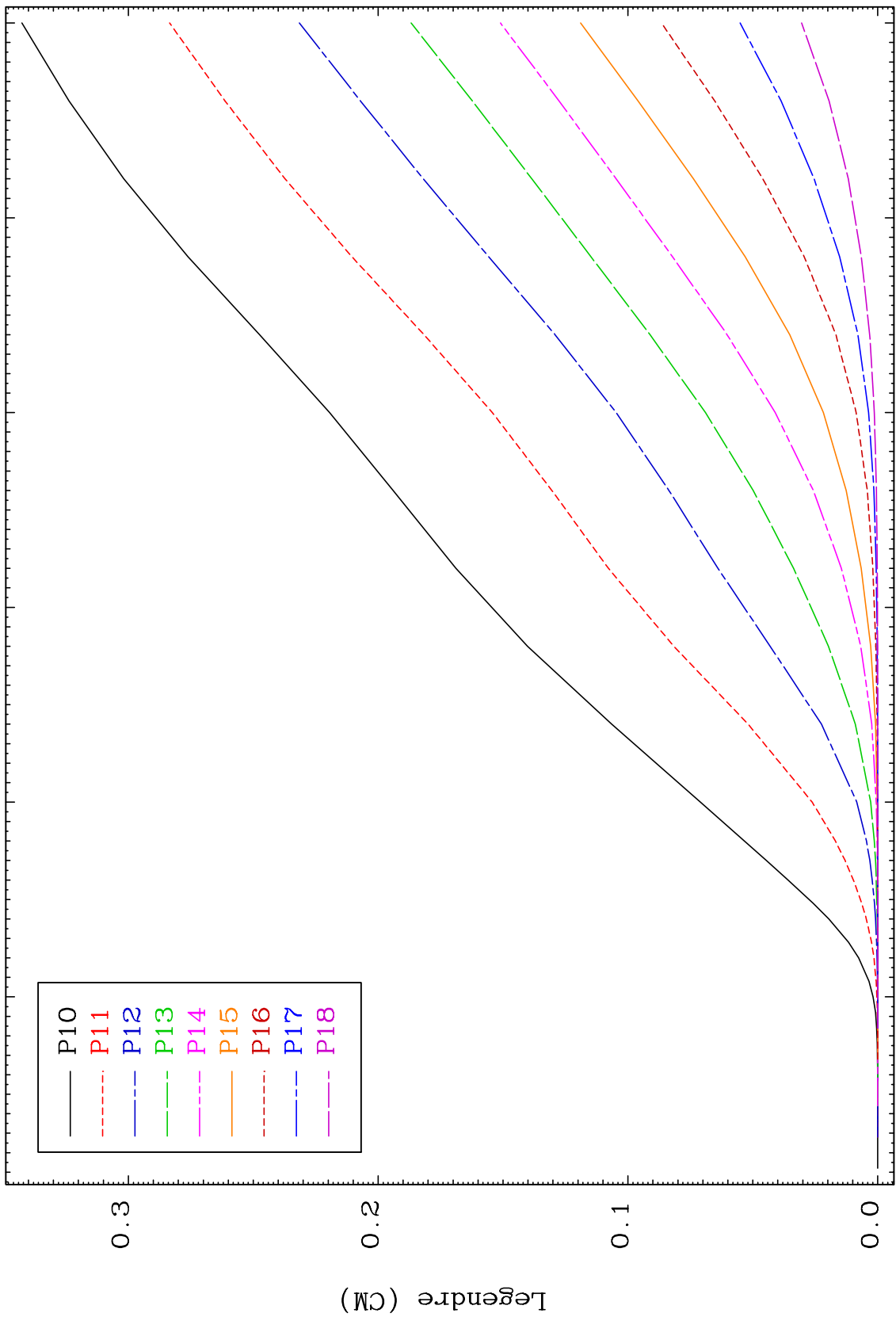




MAT 6422

Elastic Legendre Coefficients

64-Gd-151



17

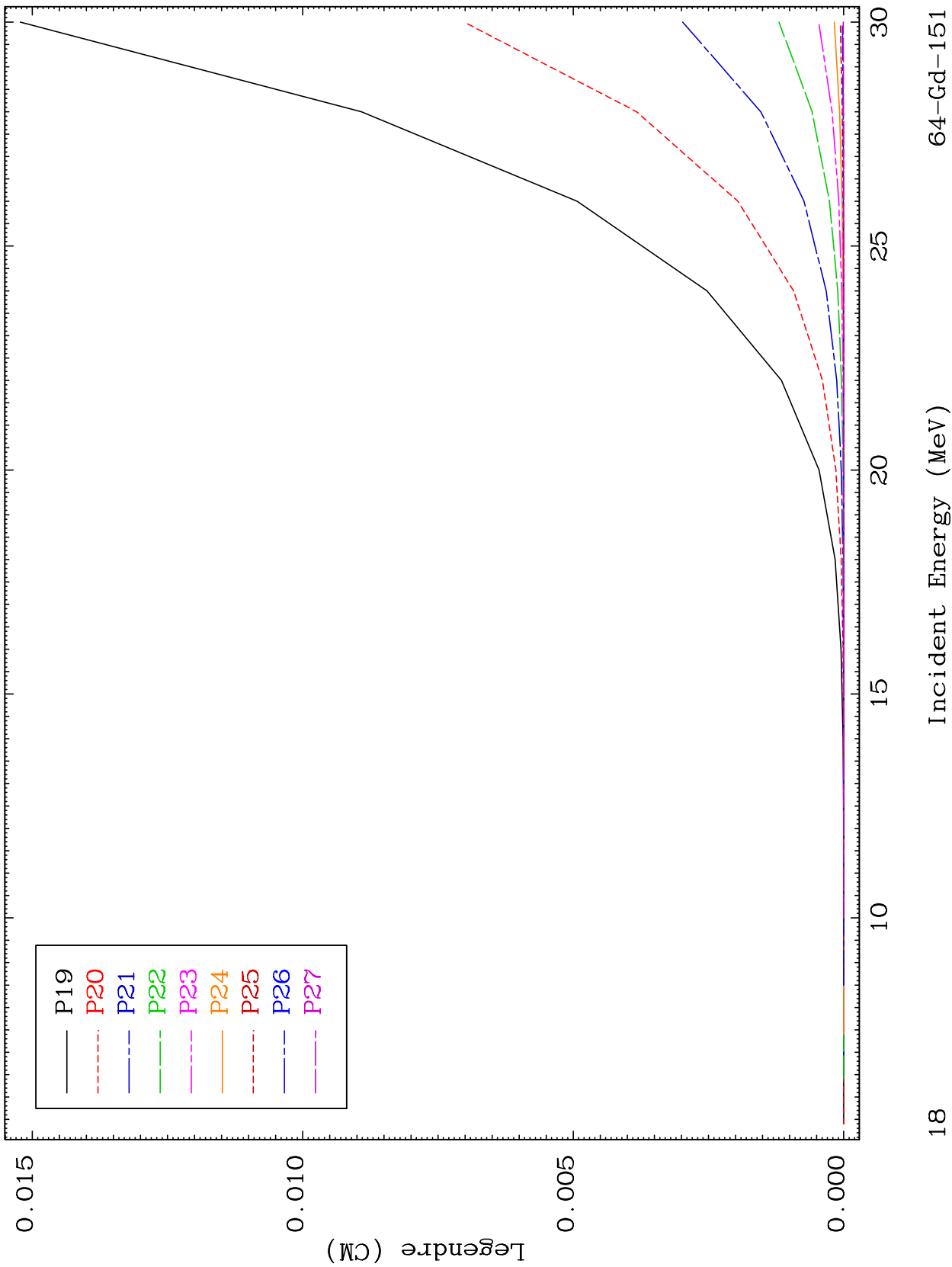
64-Gd-151

Incident Energy (MeV)

MAT 6422

Elastic
Legendre Coefficients

64-Gd-151



18

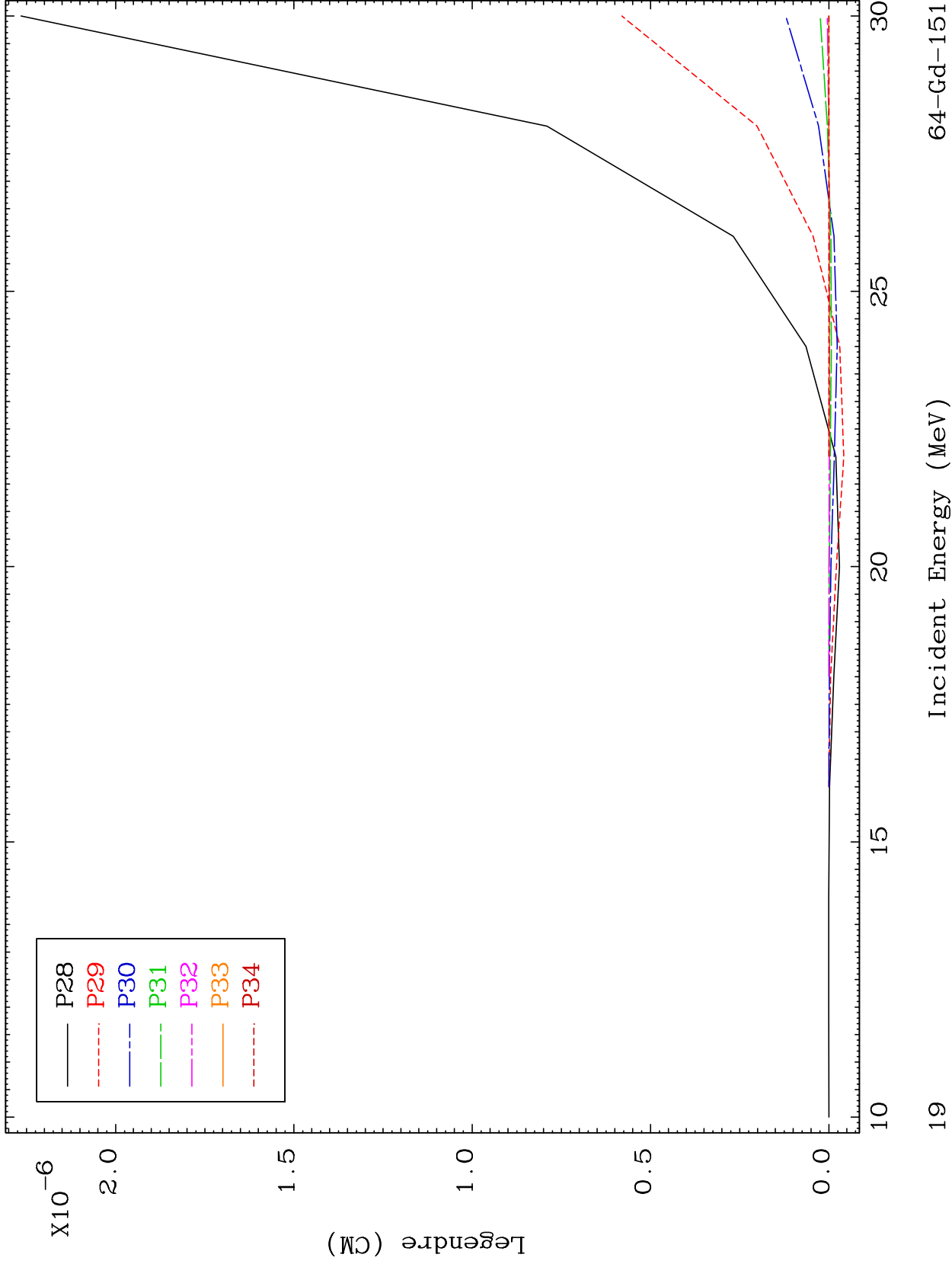
Incident Energy (MeV)

64-Gd-151

MAT 6422

Elastic
Legendre Coefficients

64-Gd-151



19

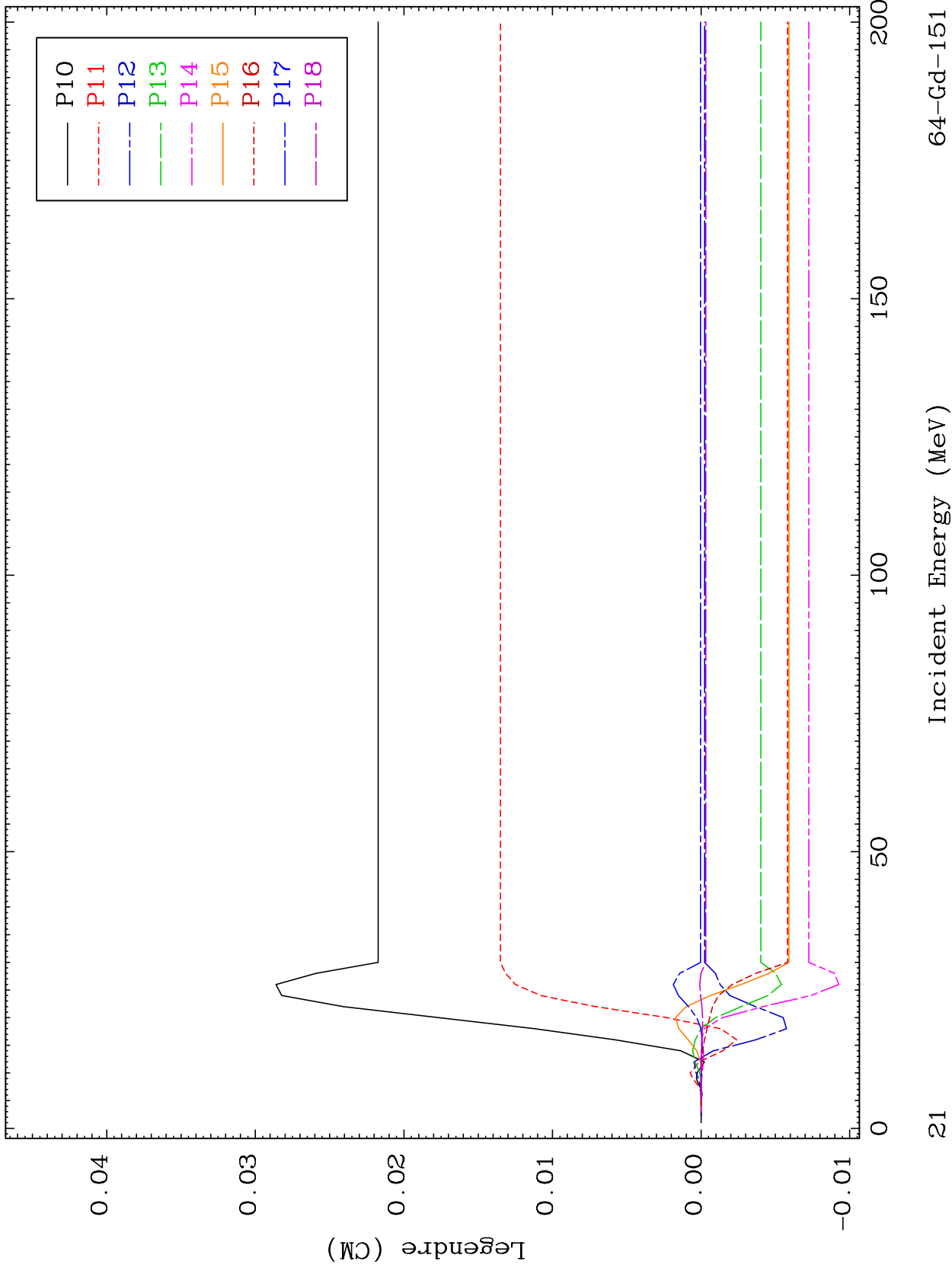
Incident Energy (MeV)

64-Gd-151

MAT 6422

108.1 keV (n,n') Level
Legendre Coefficients

64-Gd-151



64-Gd-151

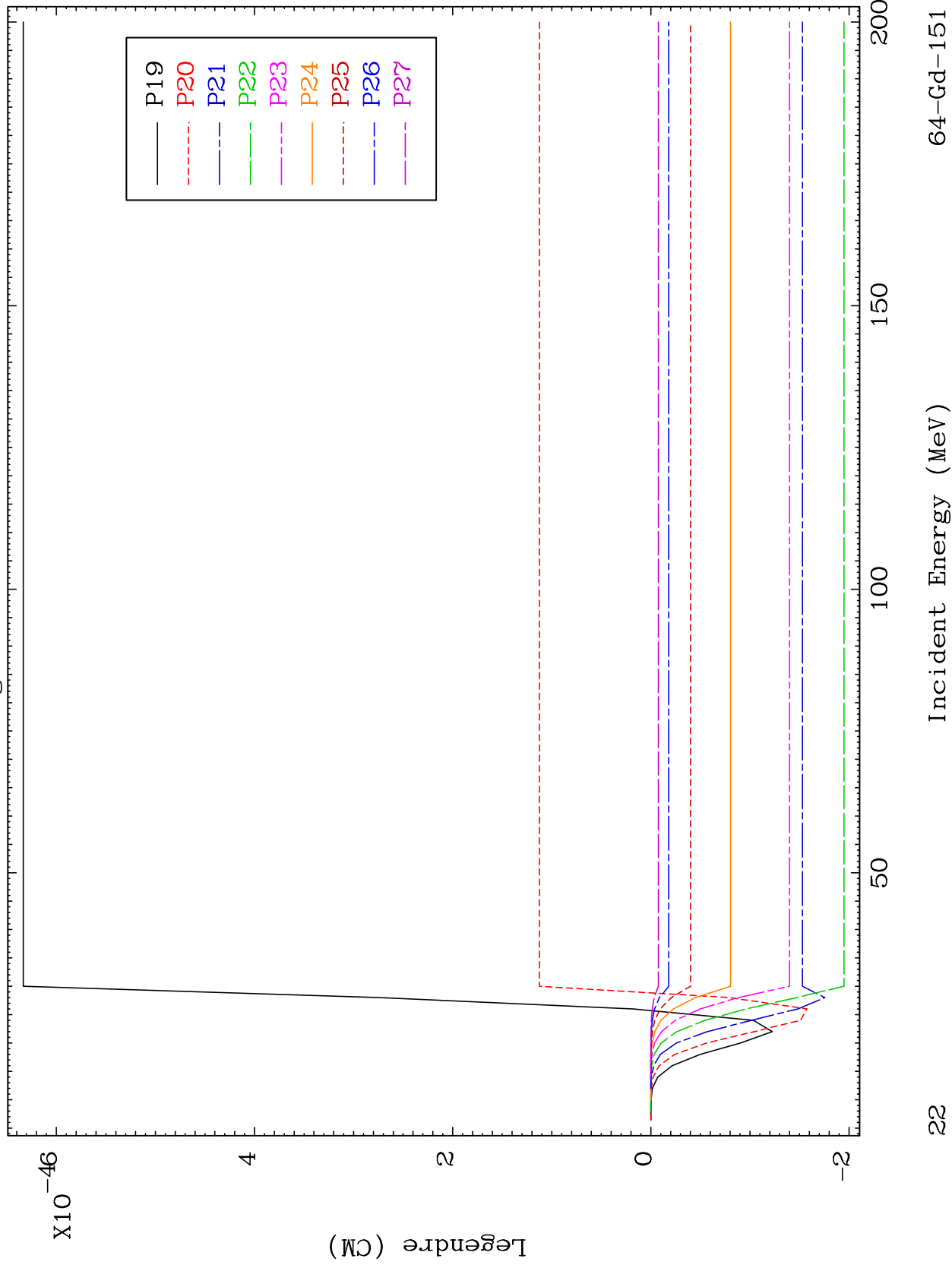
Incident Energy (MeV)

21

MAT 6422

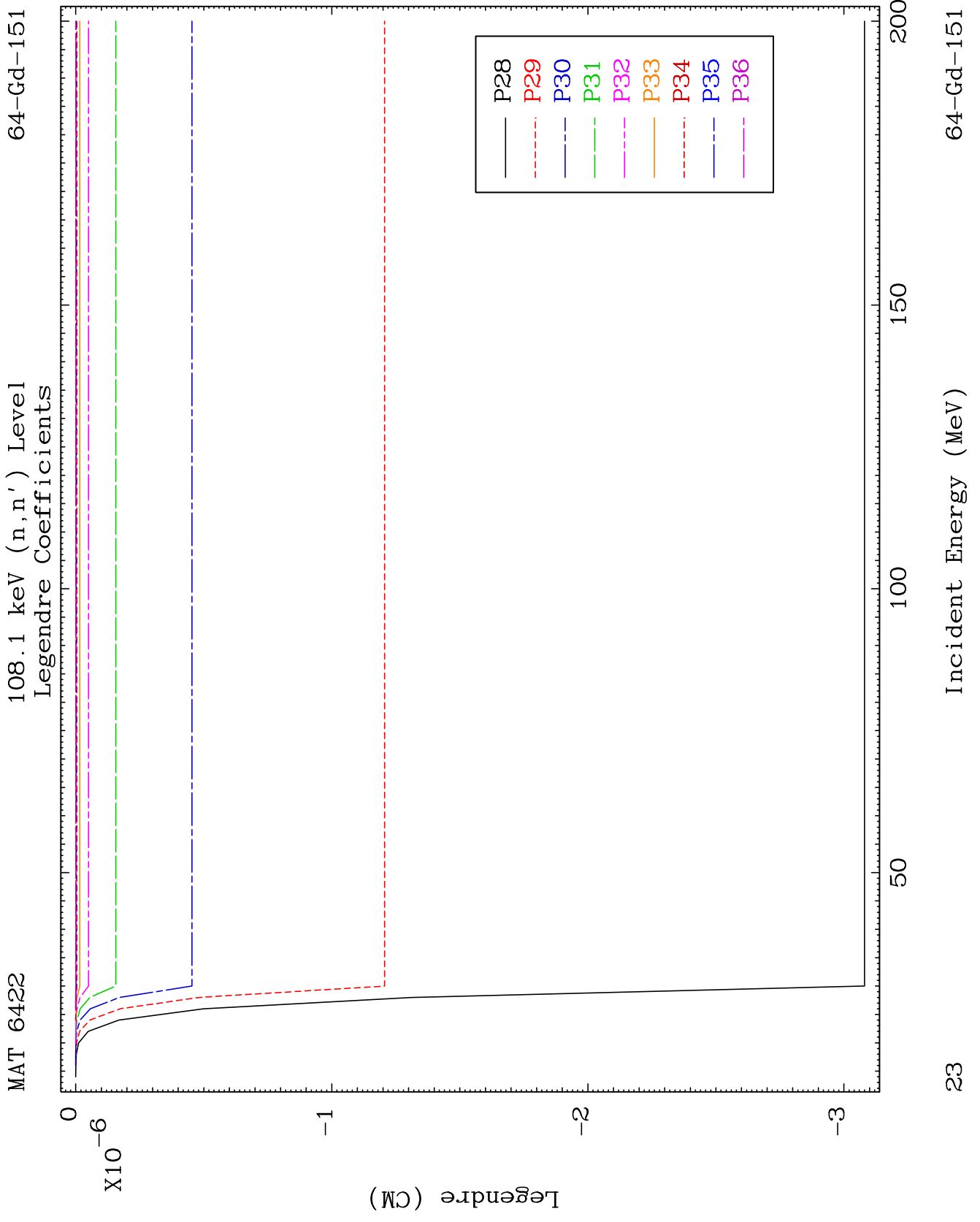
108.1 keV (n,n') Level
Legendre Coefficients

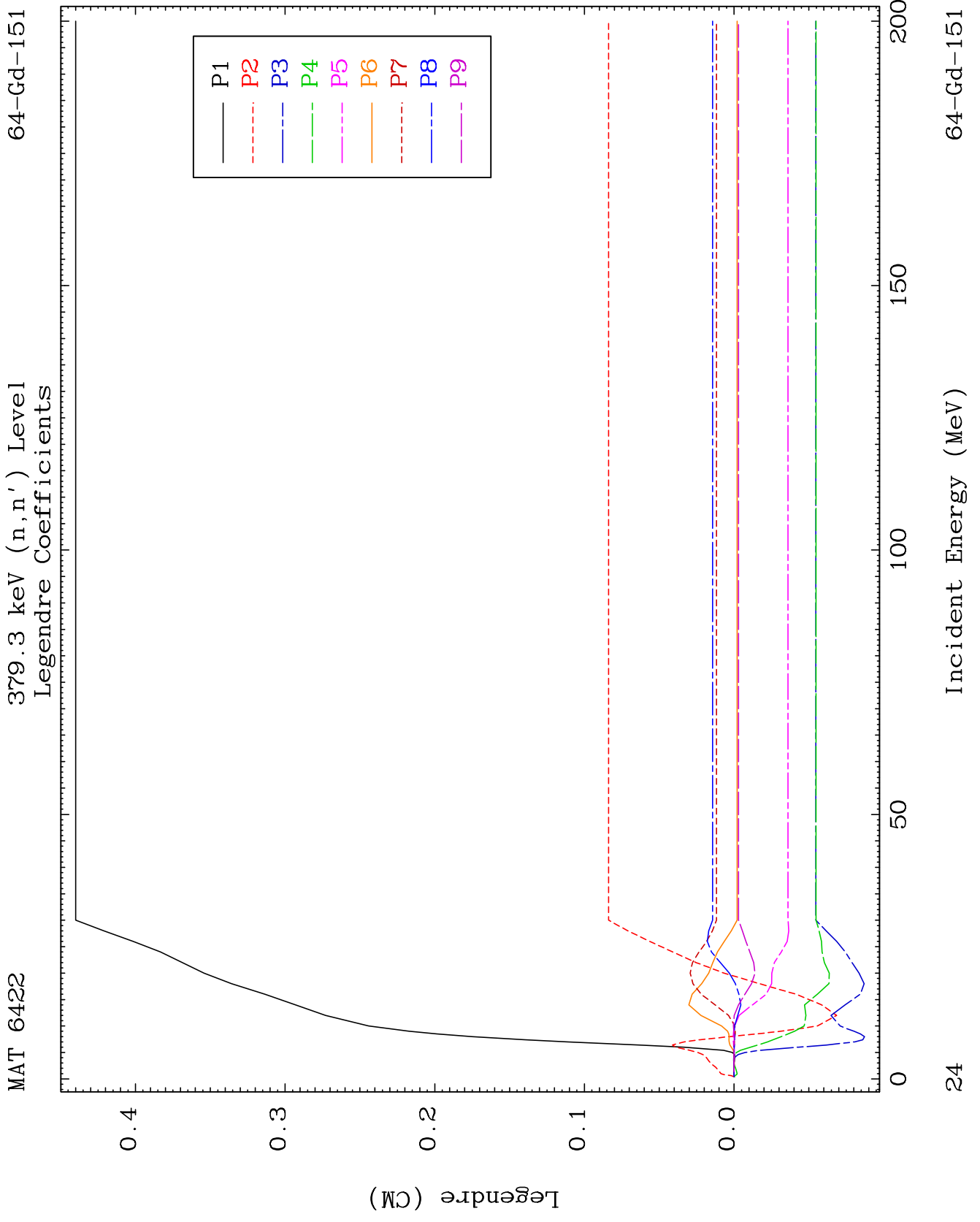
64-Gd-151



22

64-Gd-151

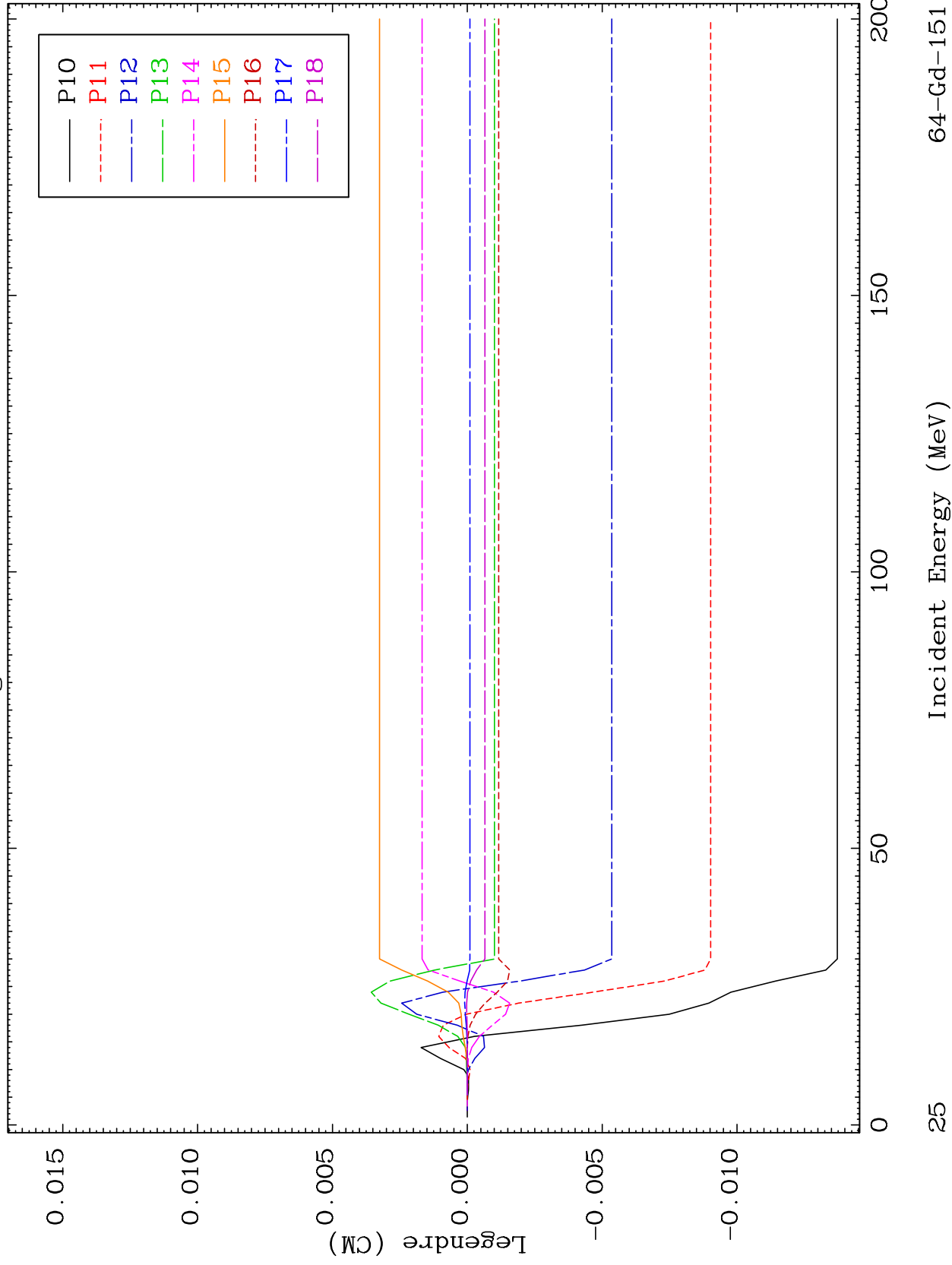




MAT 6422

379.3 keV (n,n') Level
Legendre Coefficients

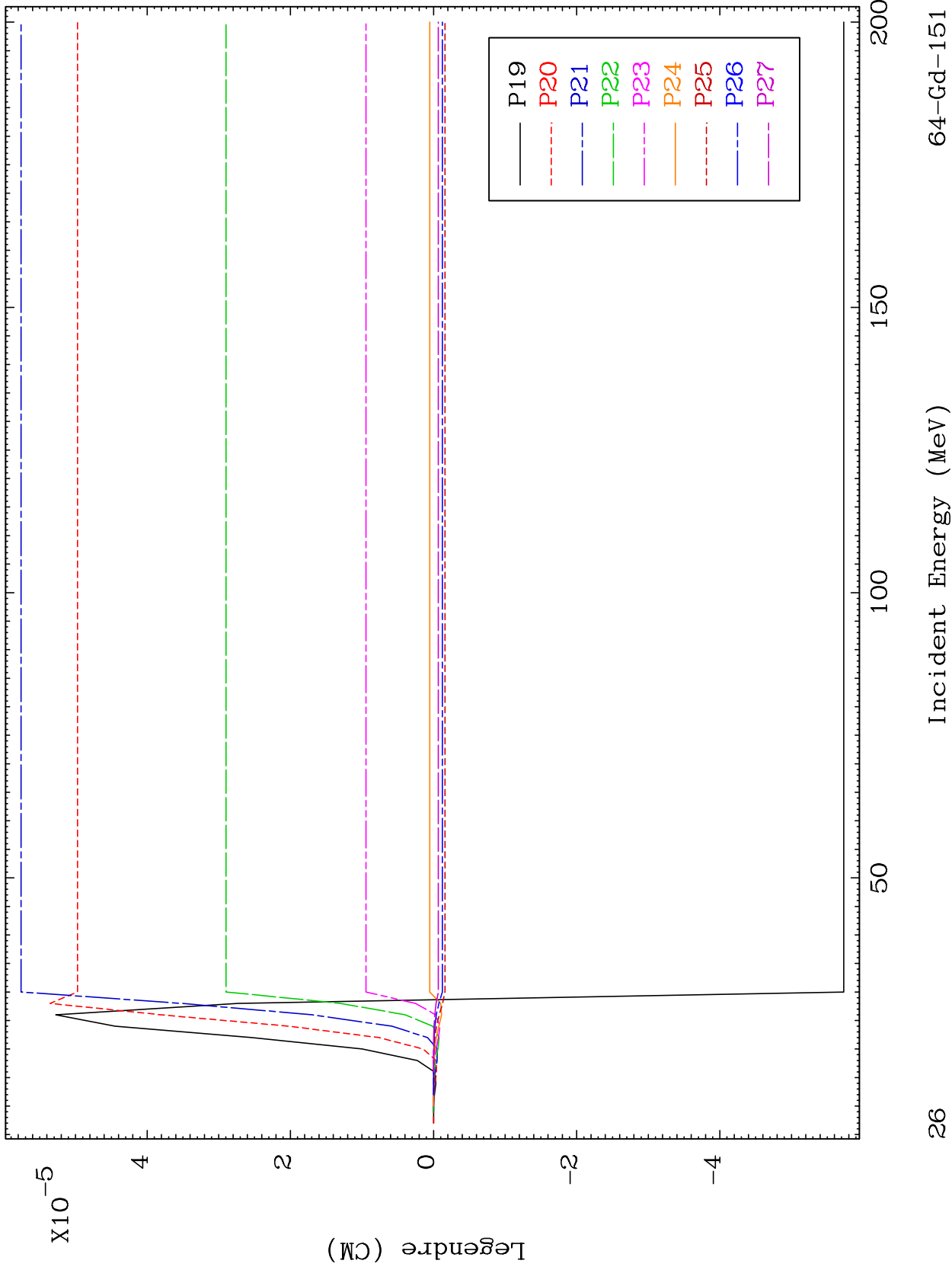
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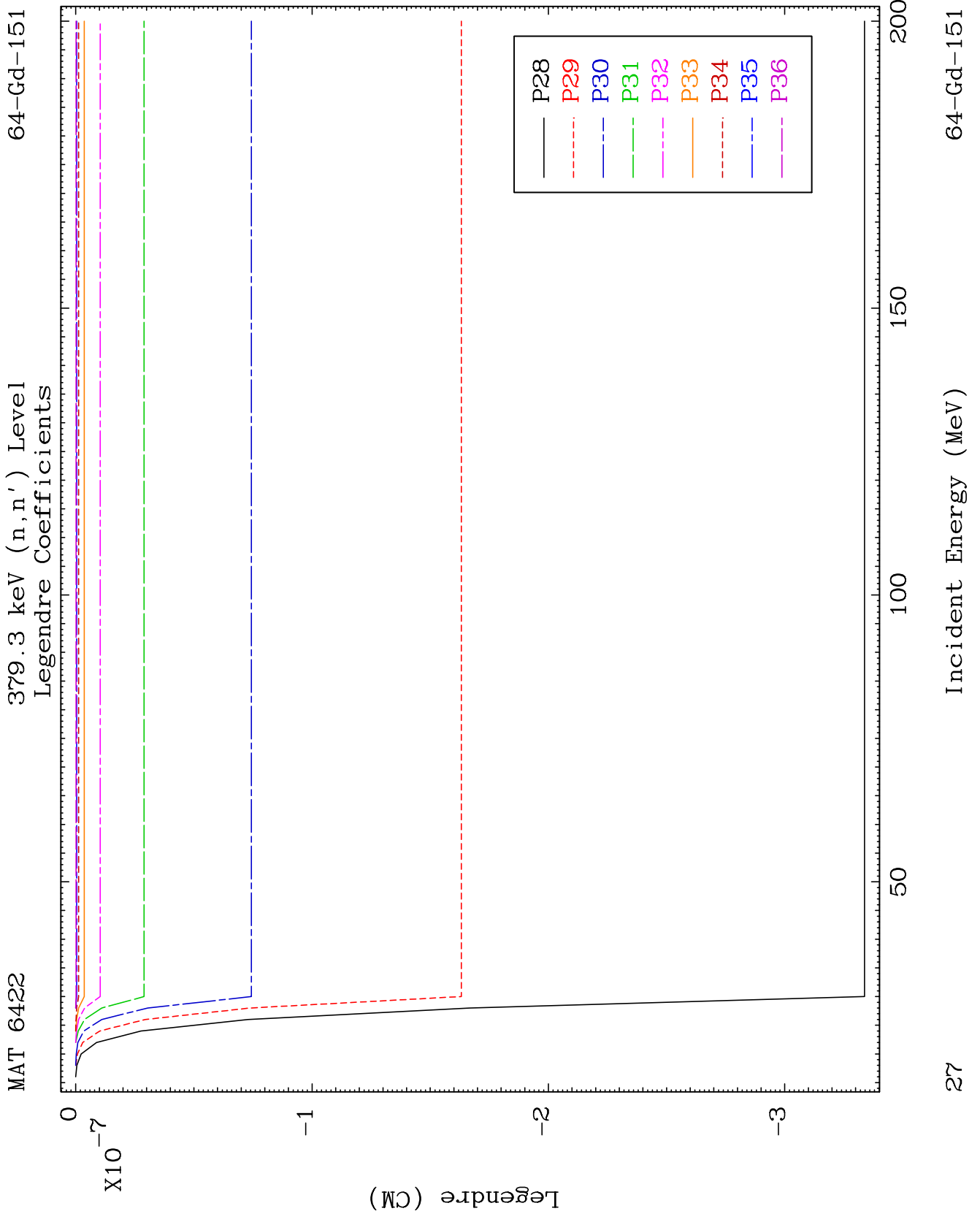


64-Gd-151

Incident Energy (MeV)

25

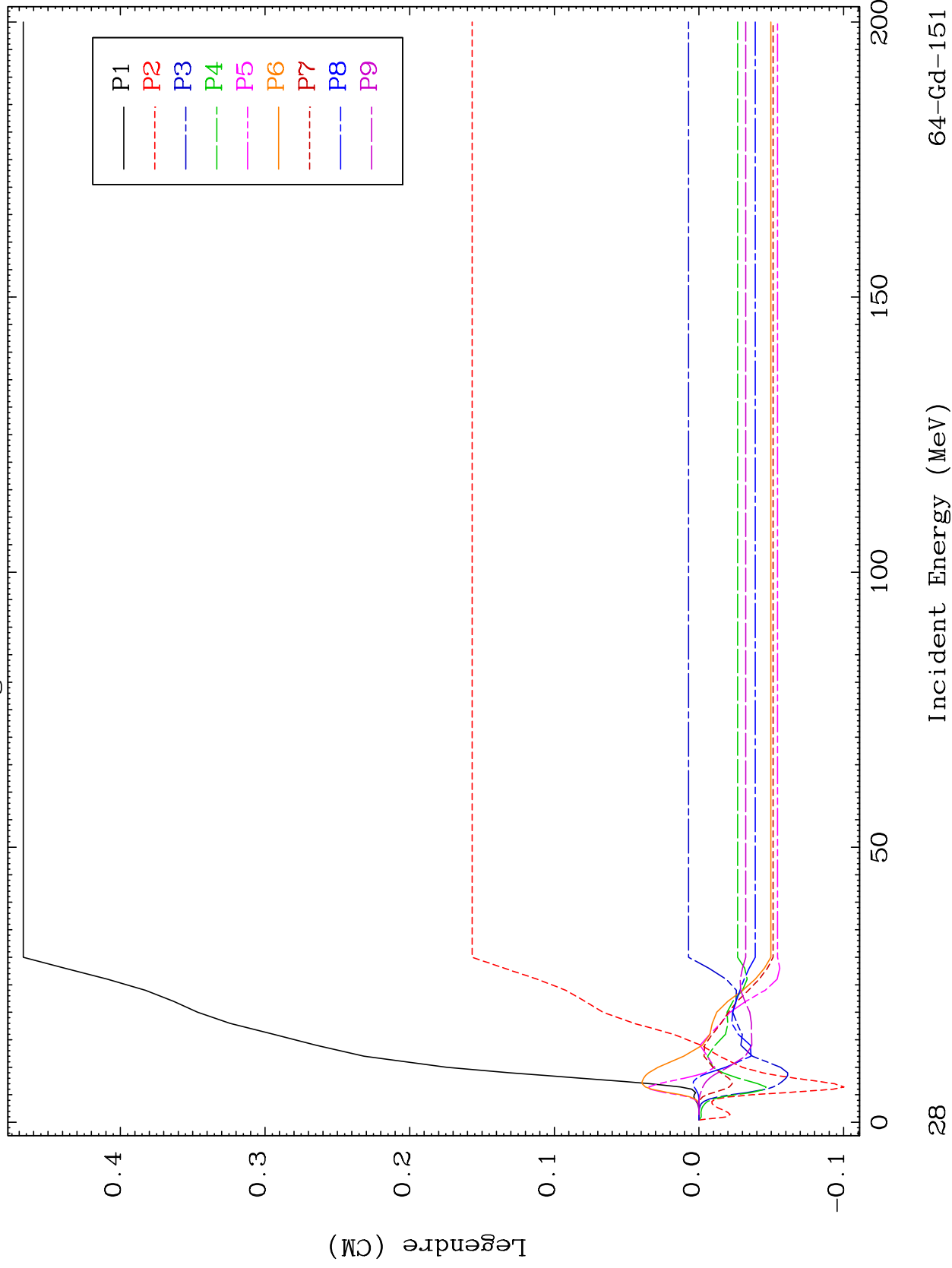




MAT 6422

395.4 keV (n,n') Level
Legendre Coefficients

64-Gd-151



64-Gd-151

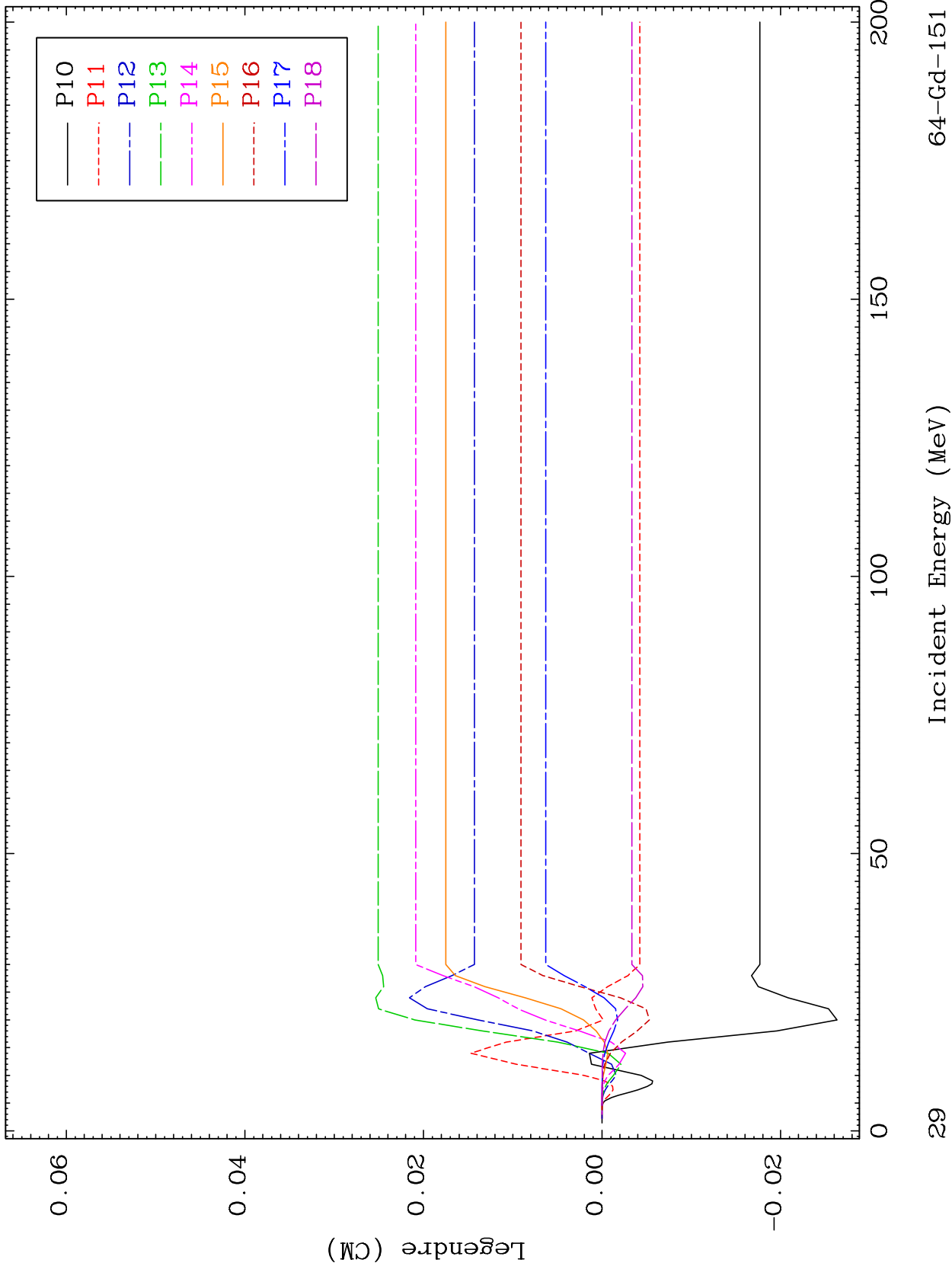
Incident Energy (MeV)

28

MAT 6422

395.4 keV (n,n') Level
Legendre Coefficients

64-Gd-151



29

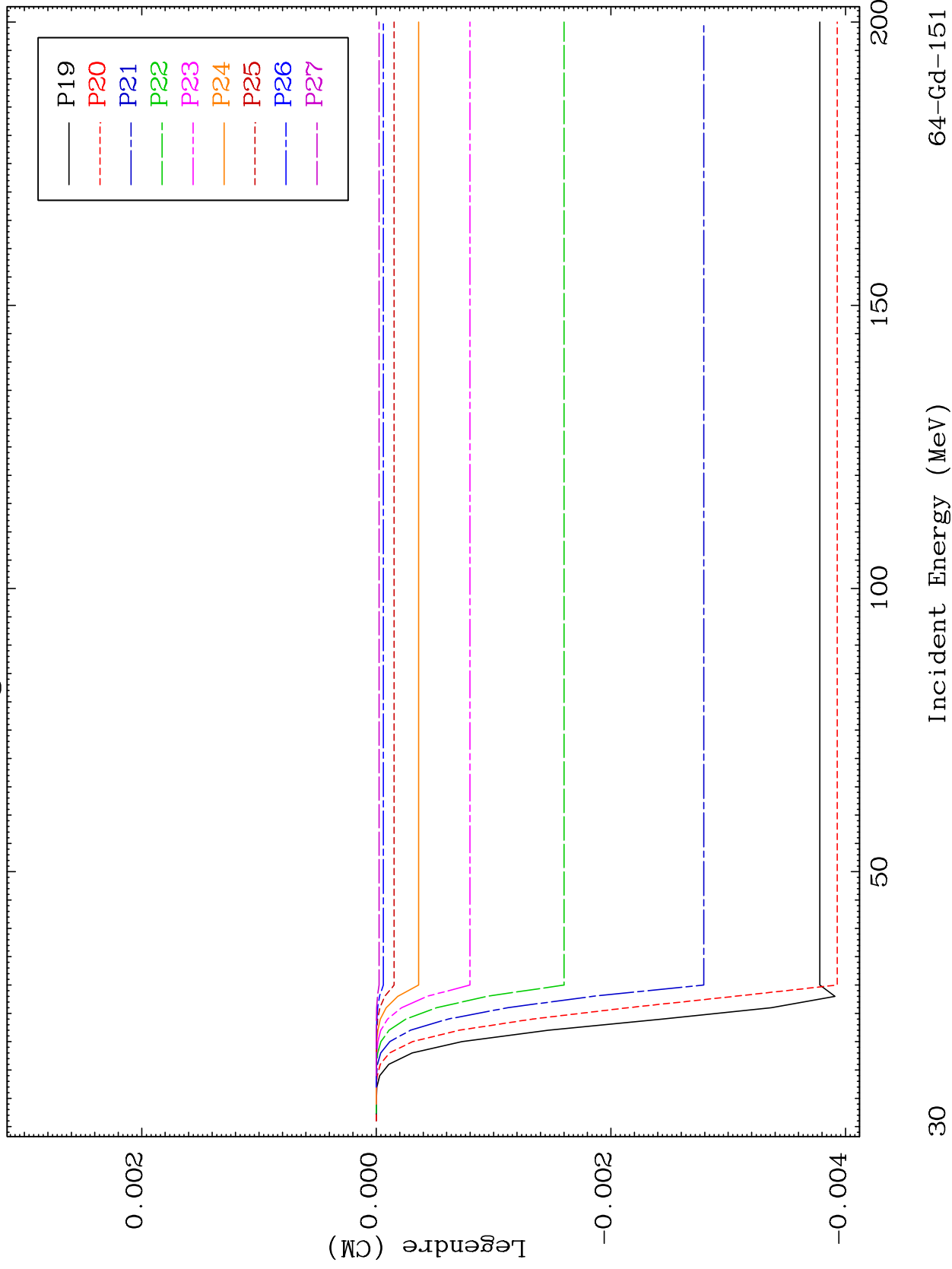
Incident Energy (MeV)

64-Gd-151

MAT 6422

395.4 keV (n,n') Level
Legendre Coefficients

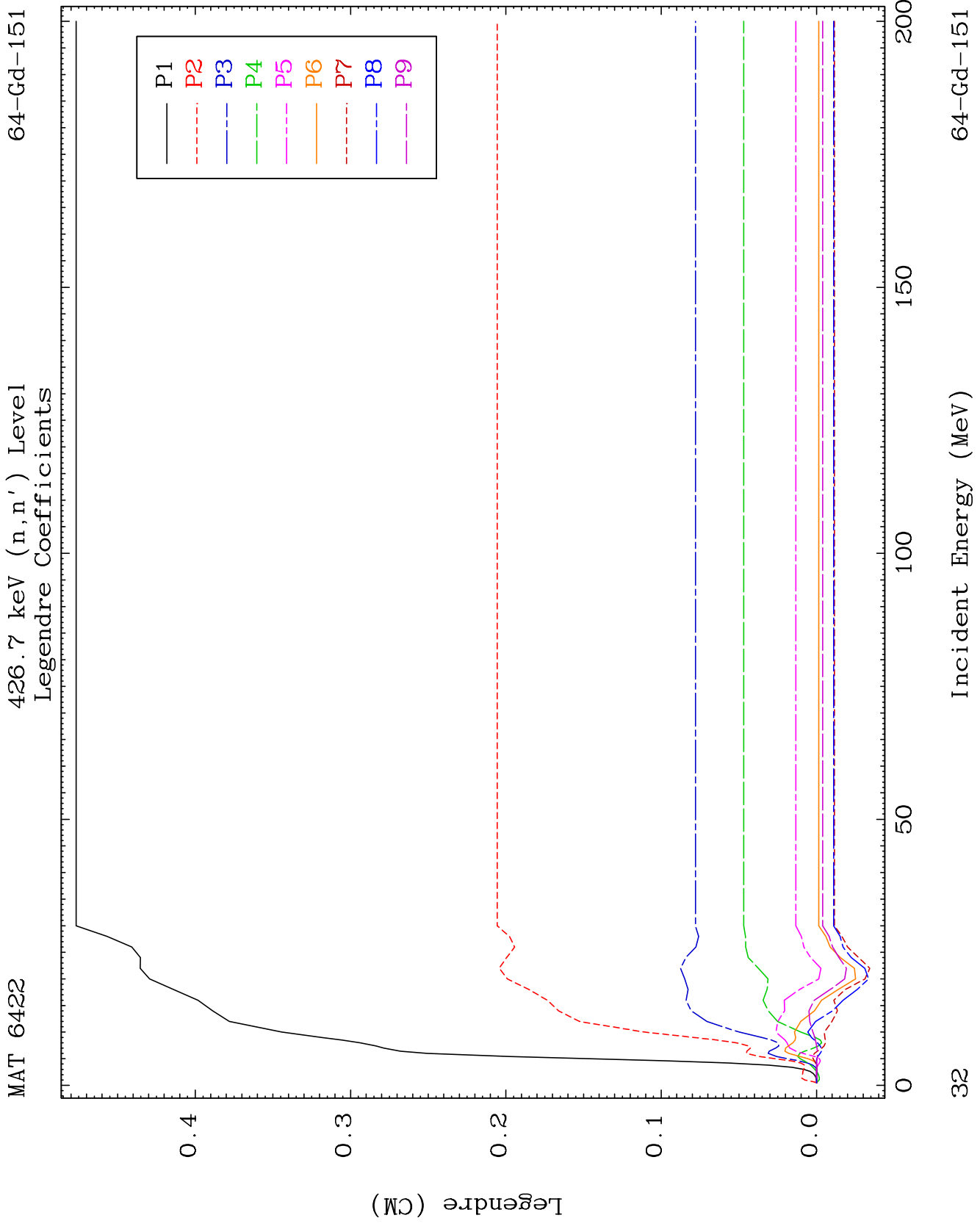
64-Gd-151



64-Gd-151

Incident Energy (MeV)

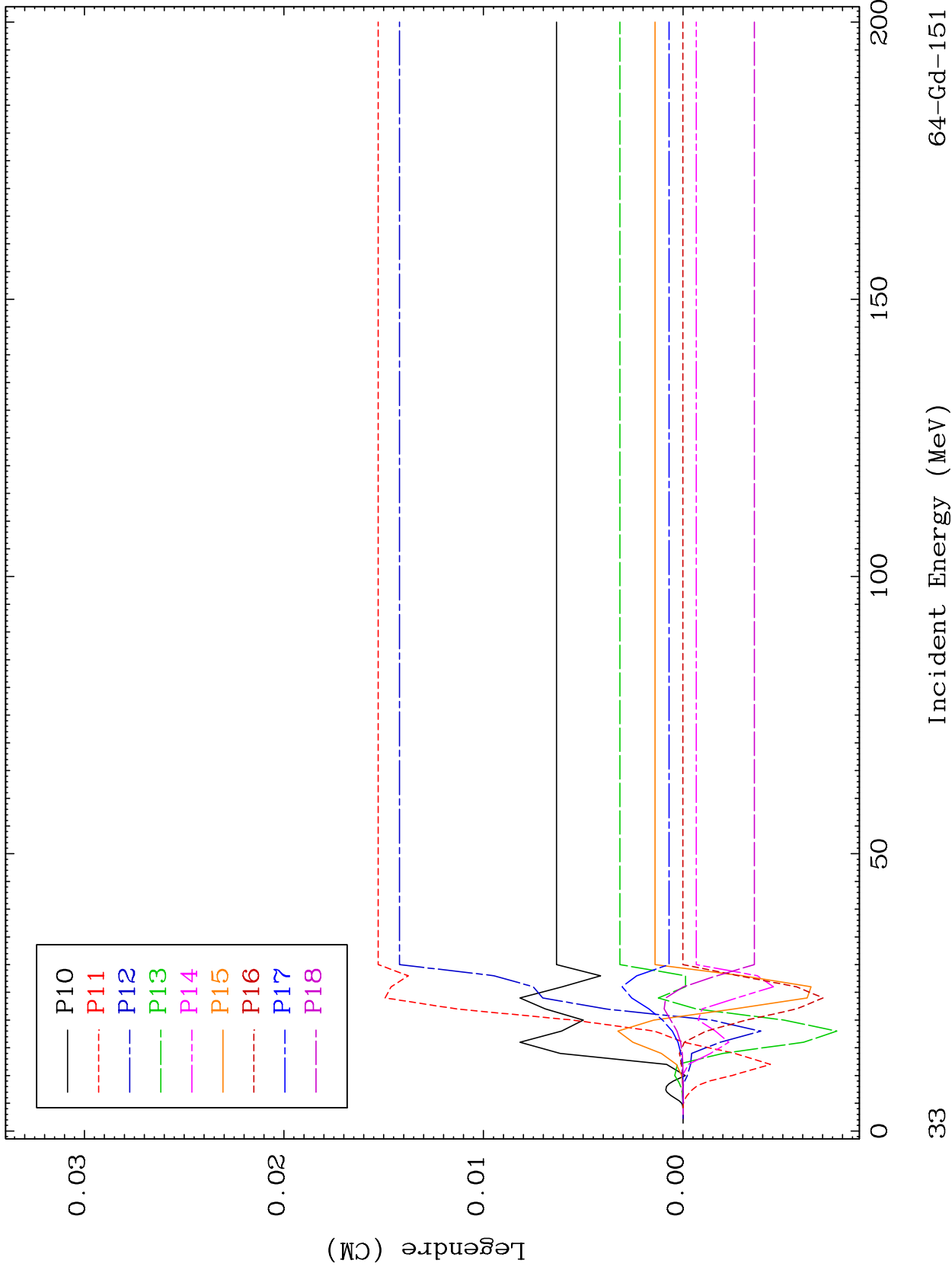
30



MAT 6422

426.7 keV (n, n') Level
Legendre Coefficients

64-Gd-151



33

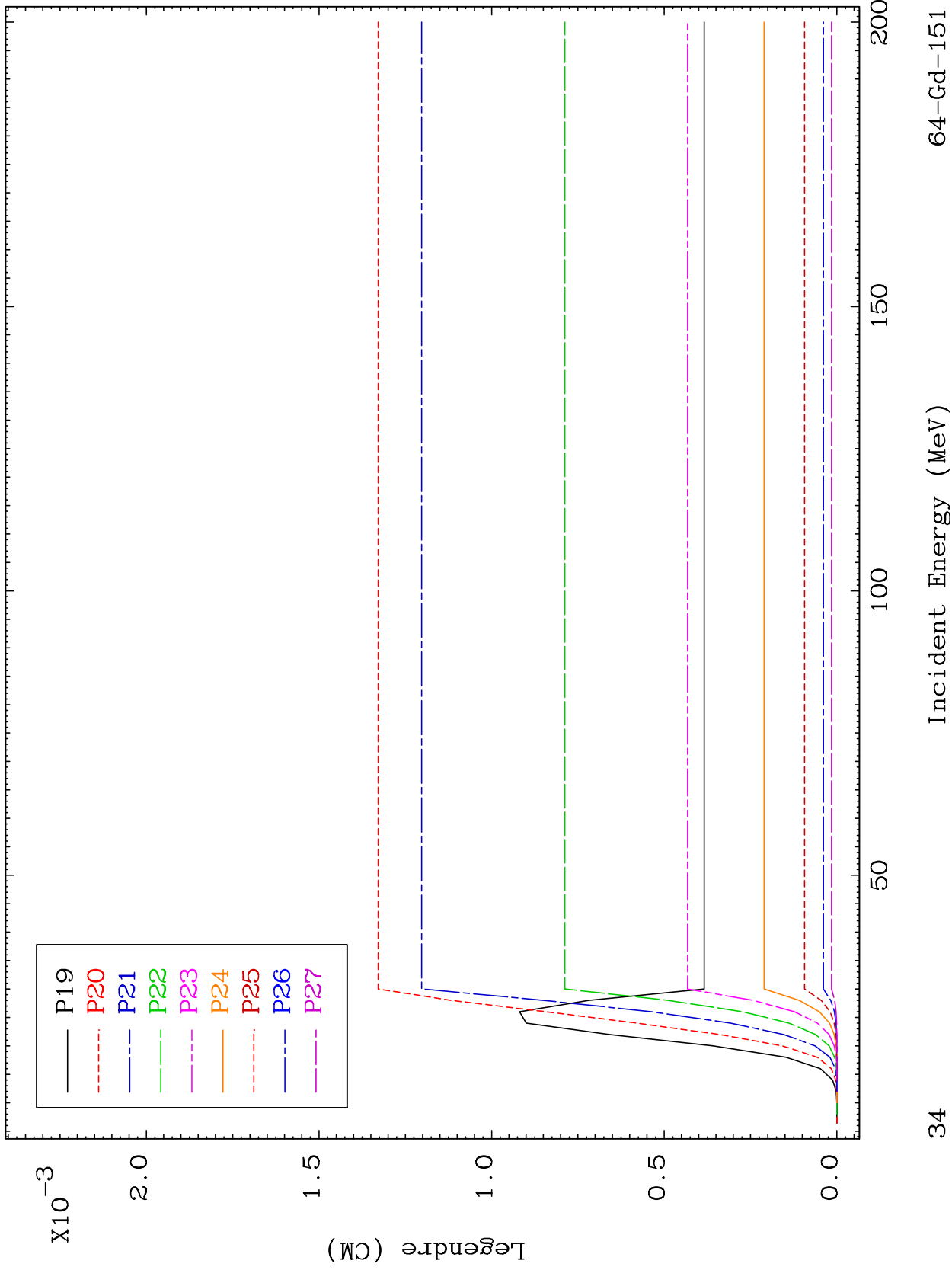
Incident Energy (MeV)

64-Gd-151

MAT 6422

426.7 keV (n, n') Level
Legendre Coefficients

64-Gd-151



34

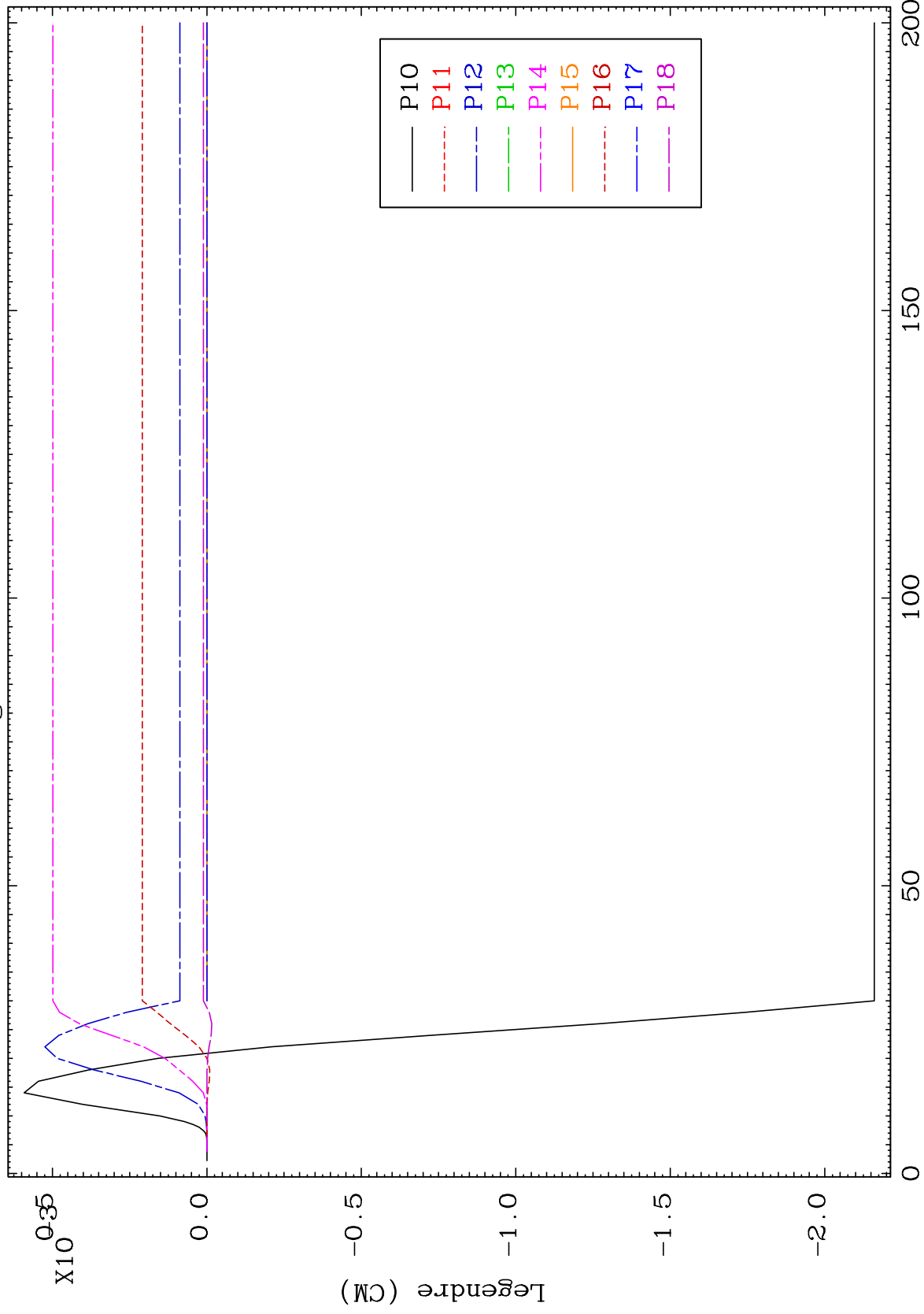
Incident Energy (MeV)

64-Gd-151

MAT 6422

575.6 keV (n,n') Level
Legendre Coefficients

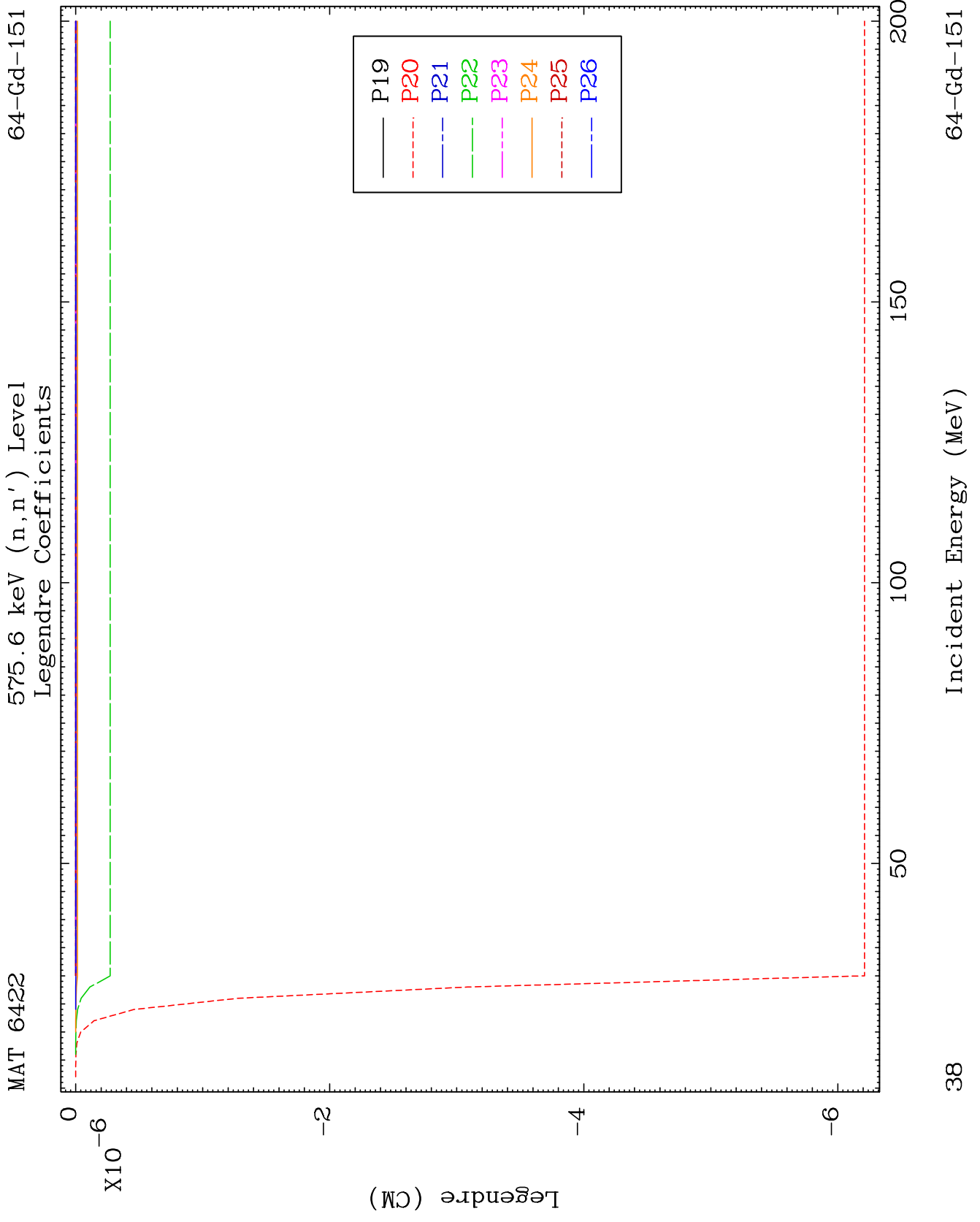
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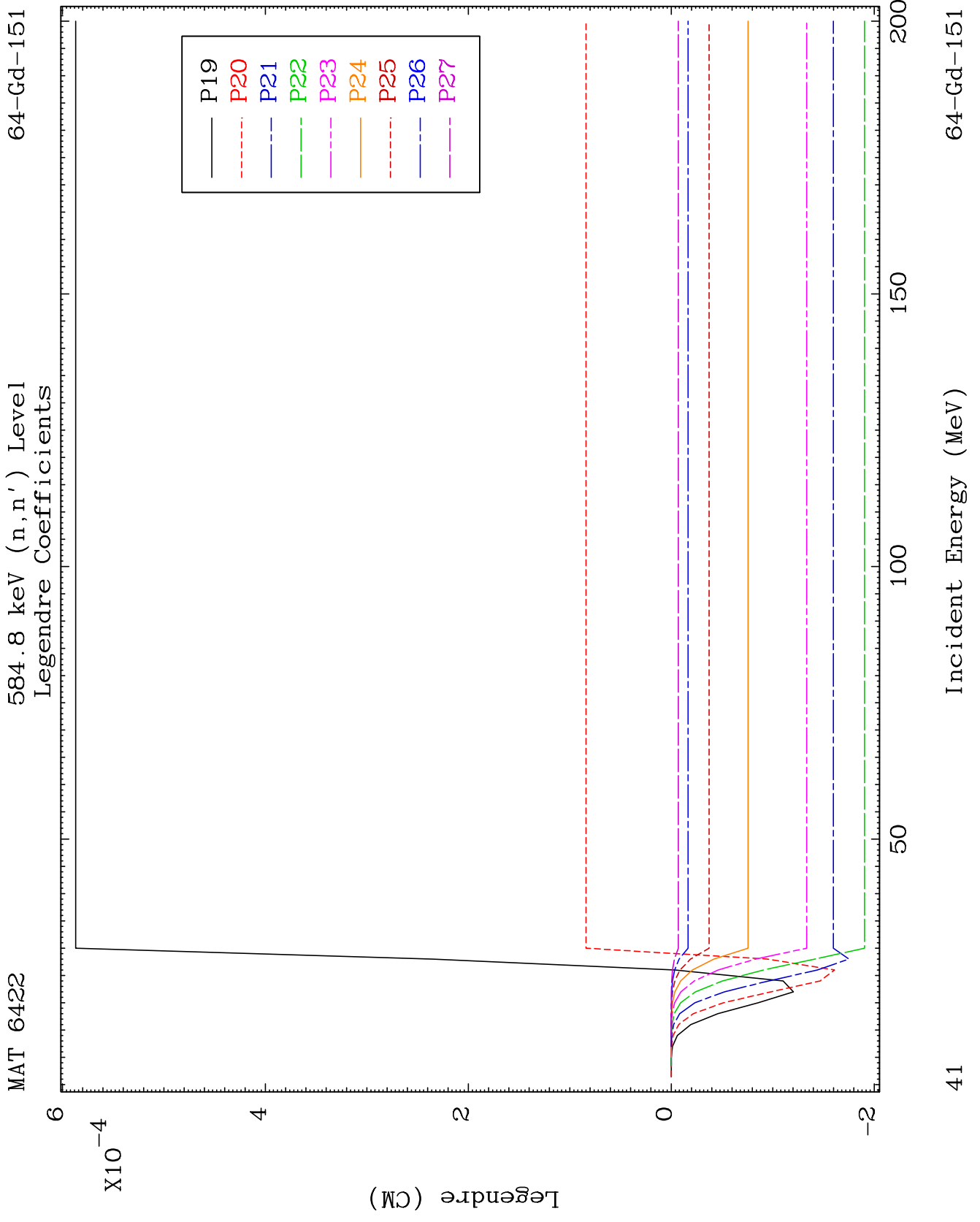


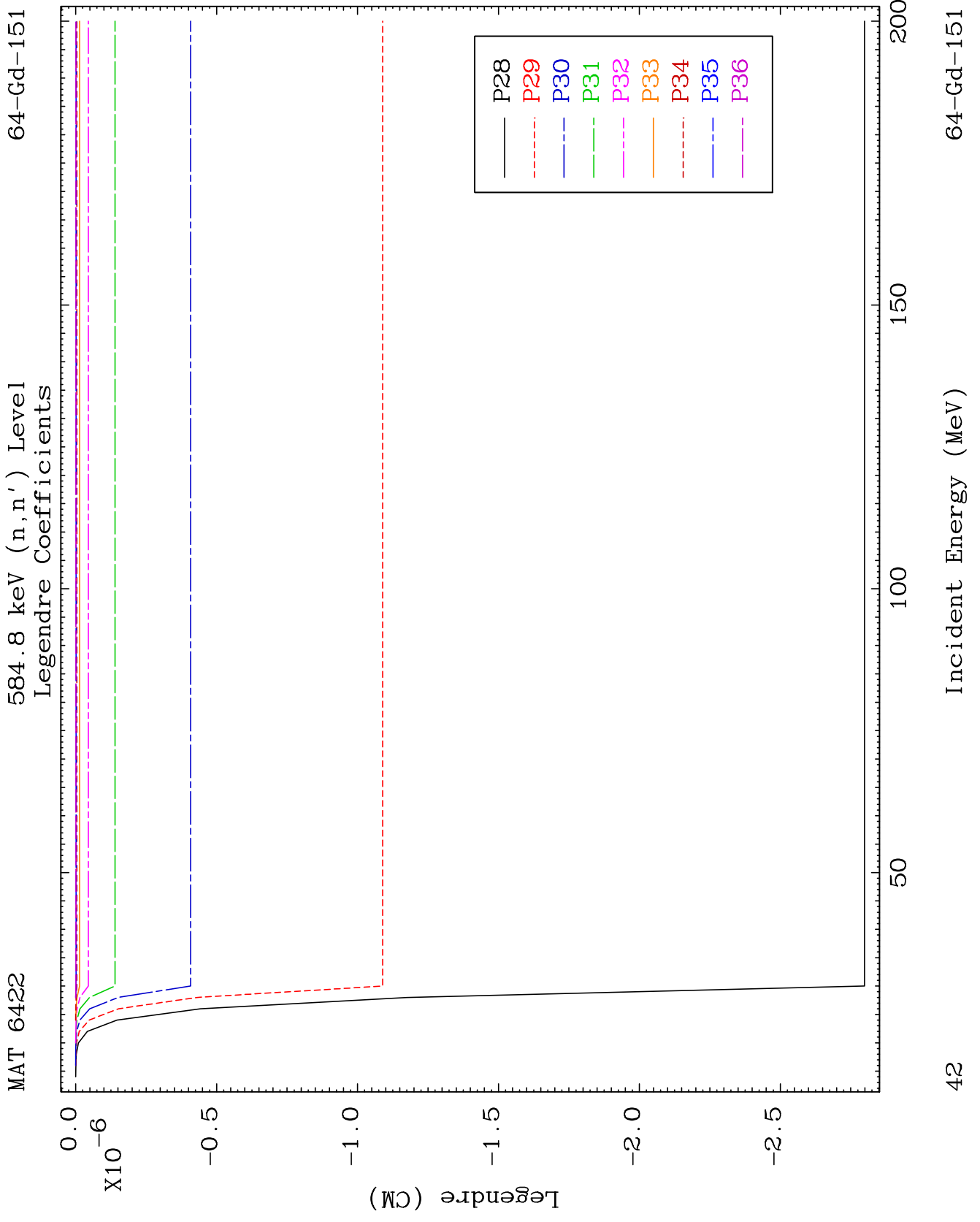
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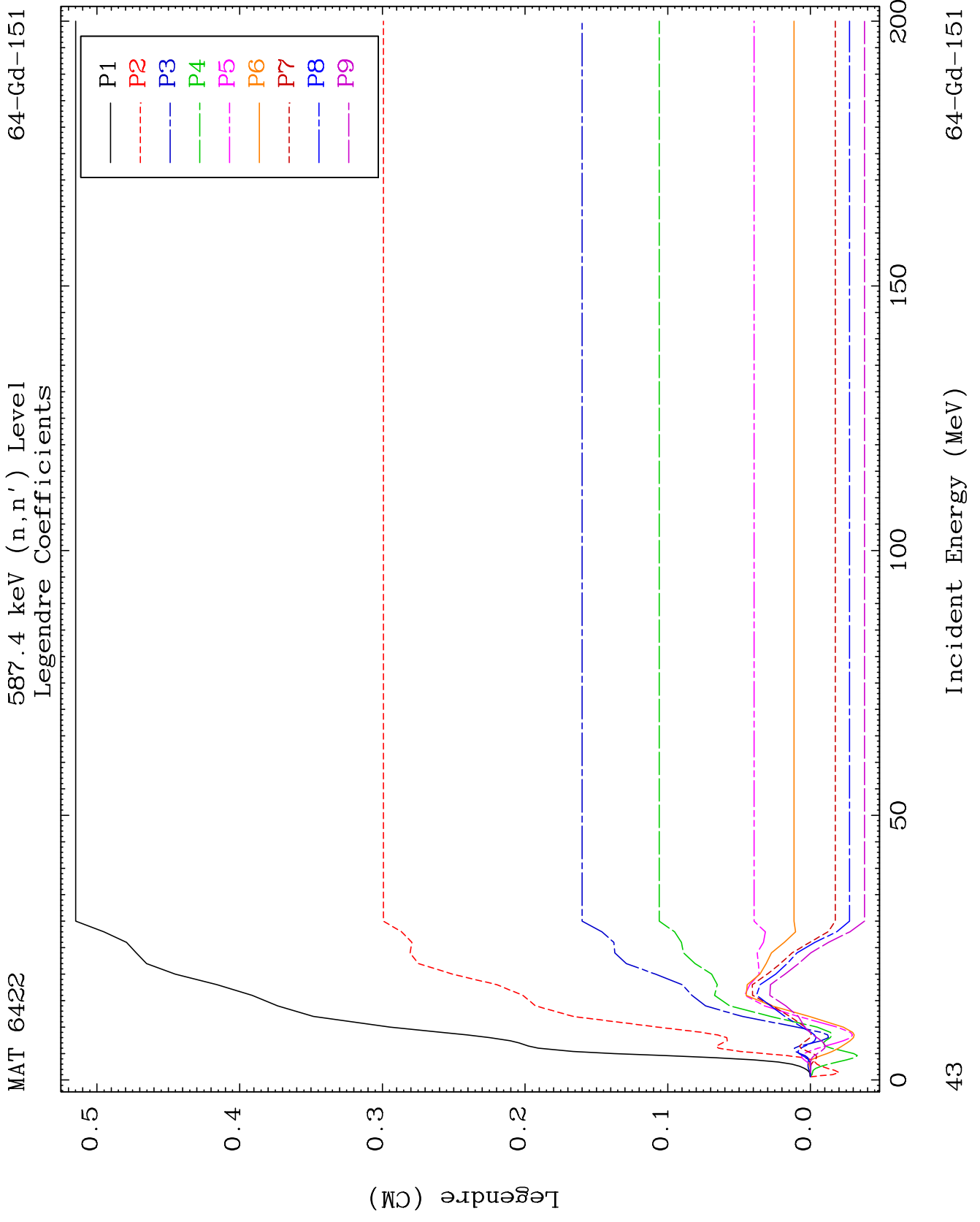
Incident Energy (MeV)

64-Gd-151





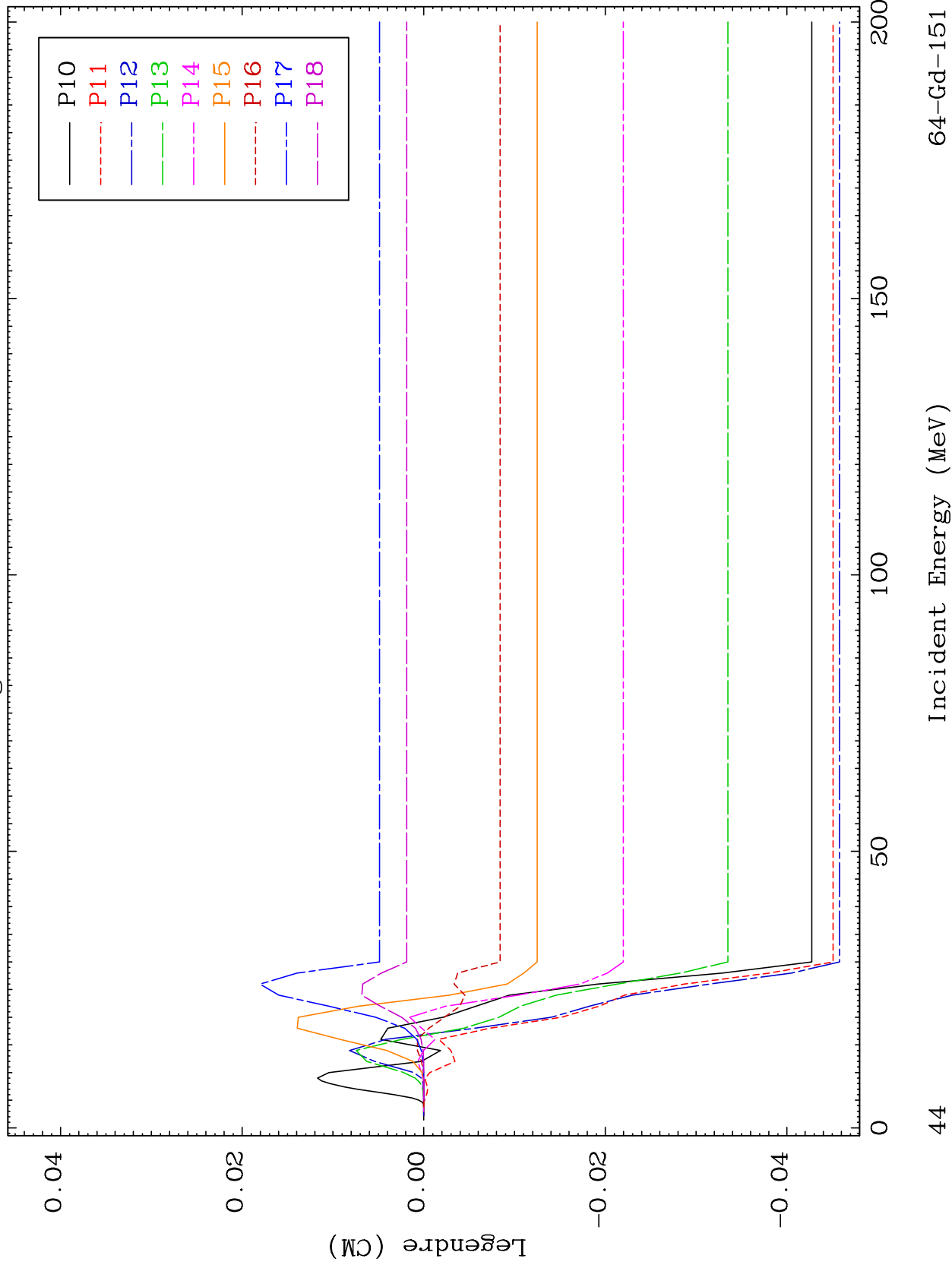




MAT 6422

587.4 keV (n,n') Level
Legendre Coefficients

64-Gd-151



44

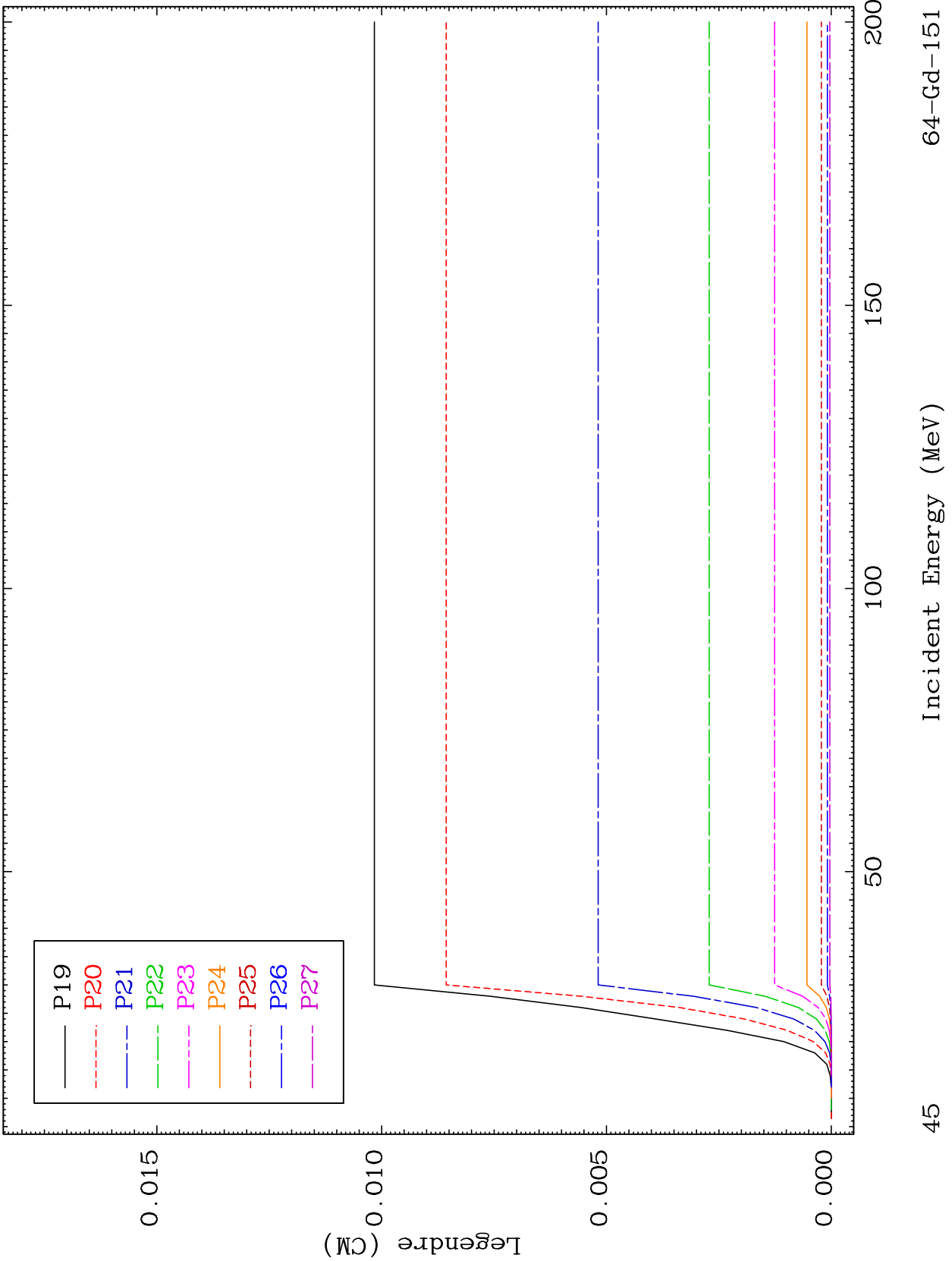
Incident Energy (MeV)

64-Gd-151

MAT 6422

587.4 keV (n,n') Level
Legendre Coefficients

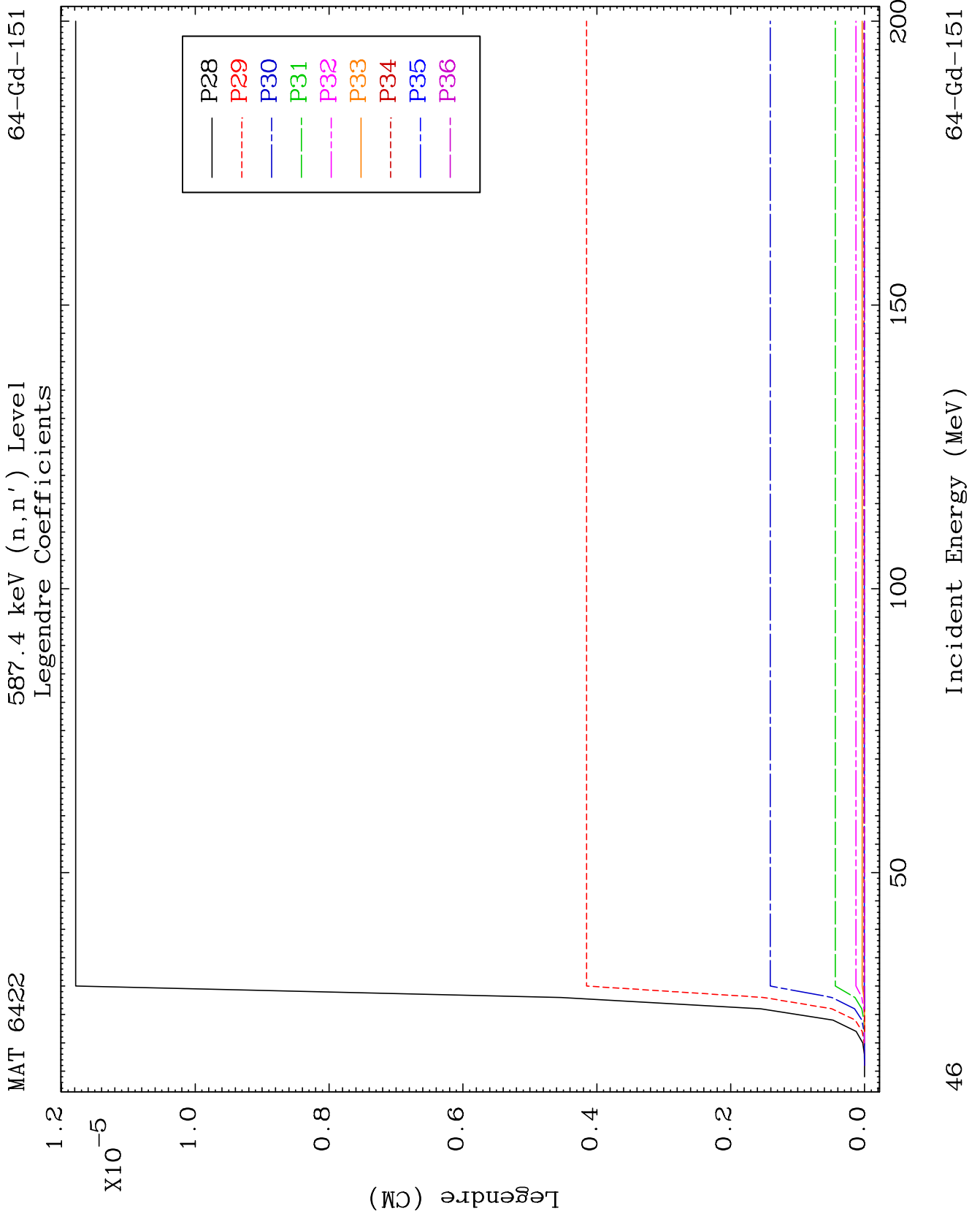
64-Gd-151



45

Incident Energy (MeV)

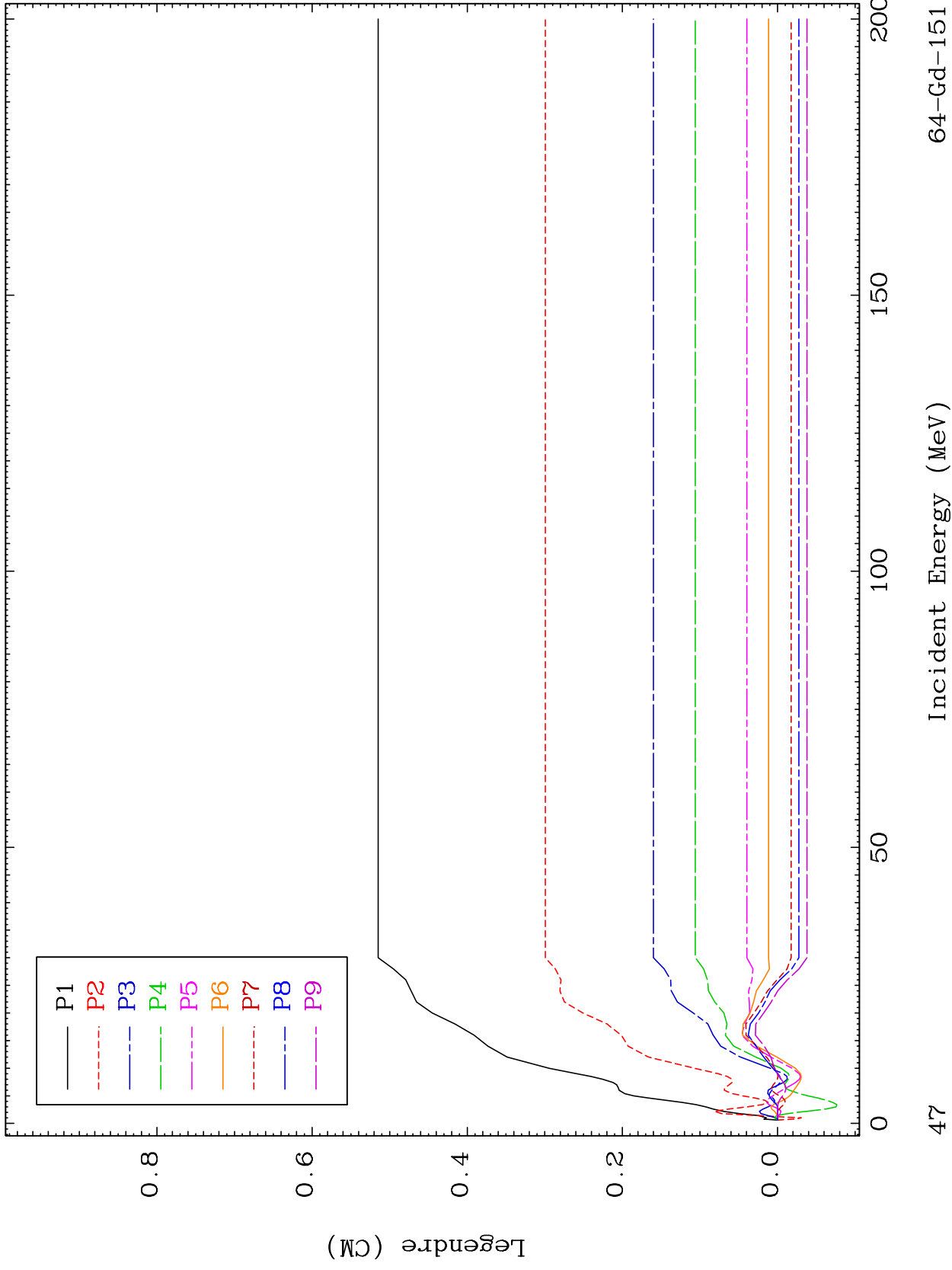
64-Gd-151



MAT 6422

589.1 keV (n,n') Level
Legendre Coefficients

64-Gd-151



64-Gd-151

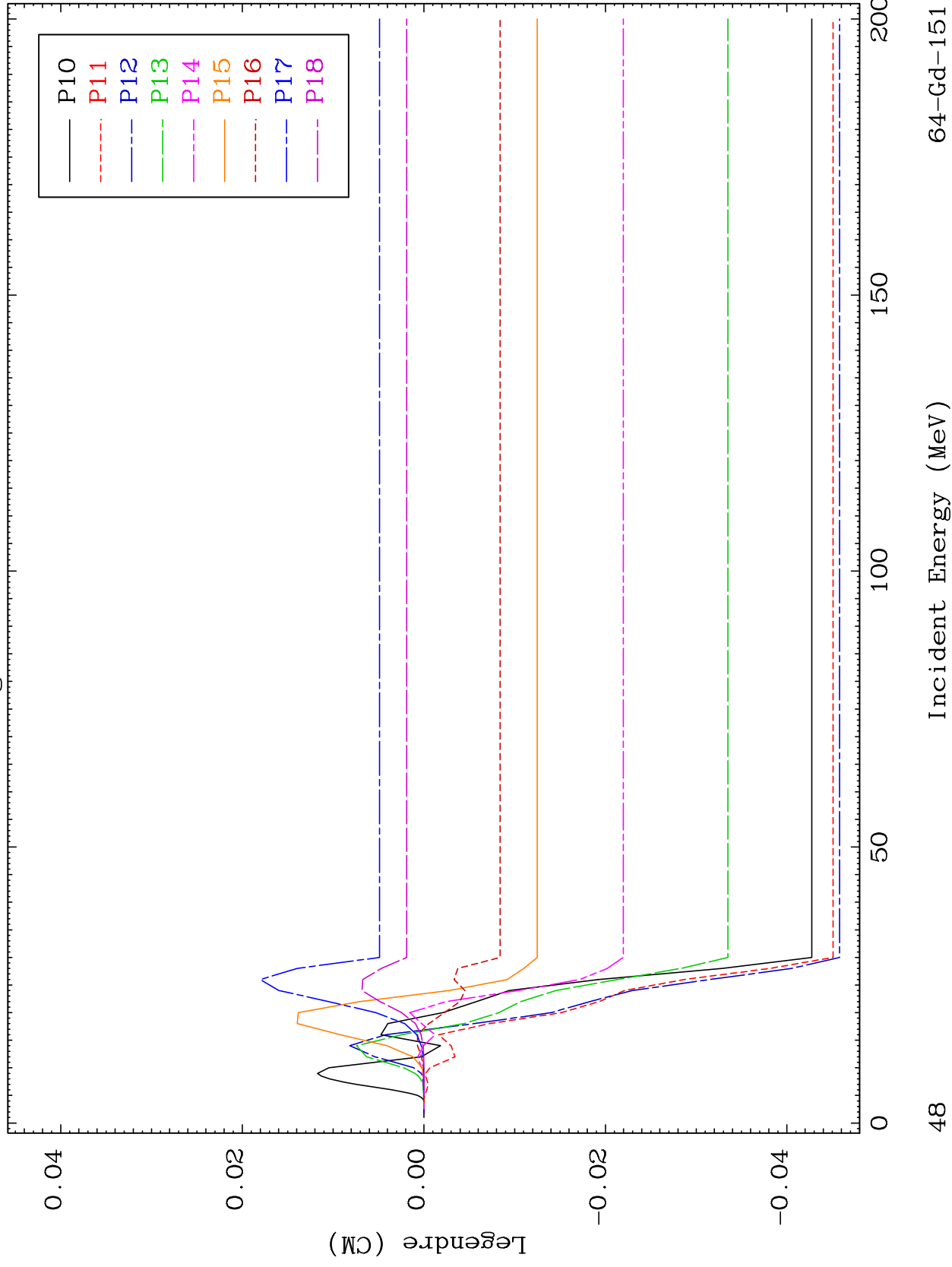
Incident Energy (MeV)

47

MAT 6422

589.1 keV (n,n') Level
Legendre Coefficients

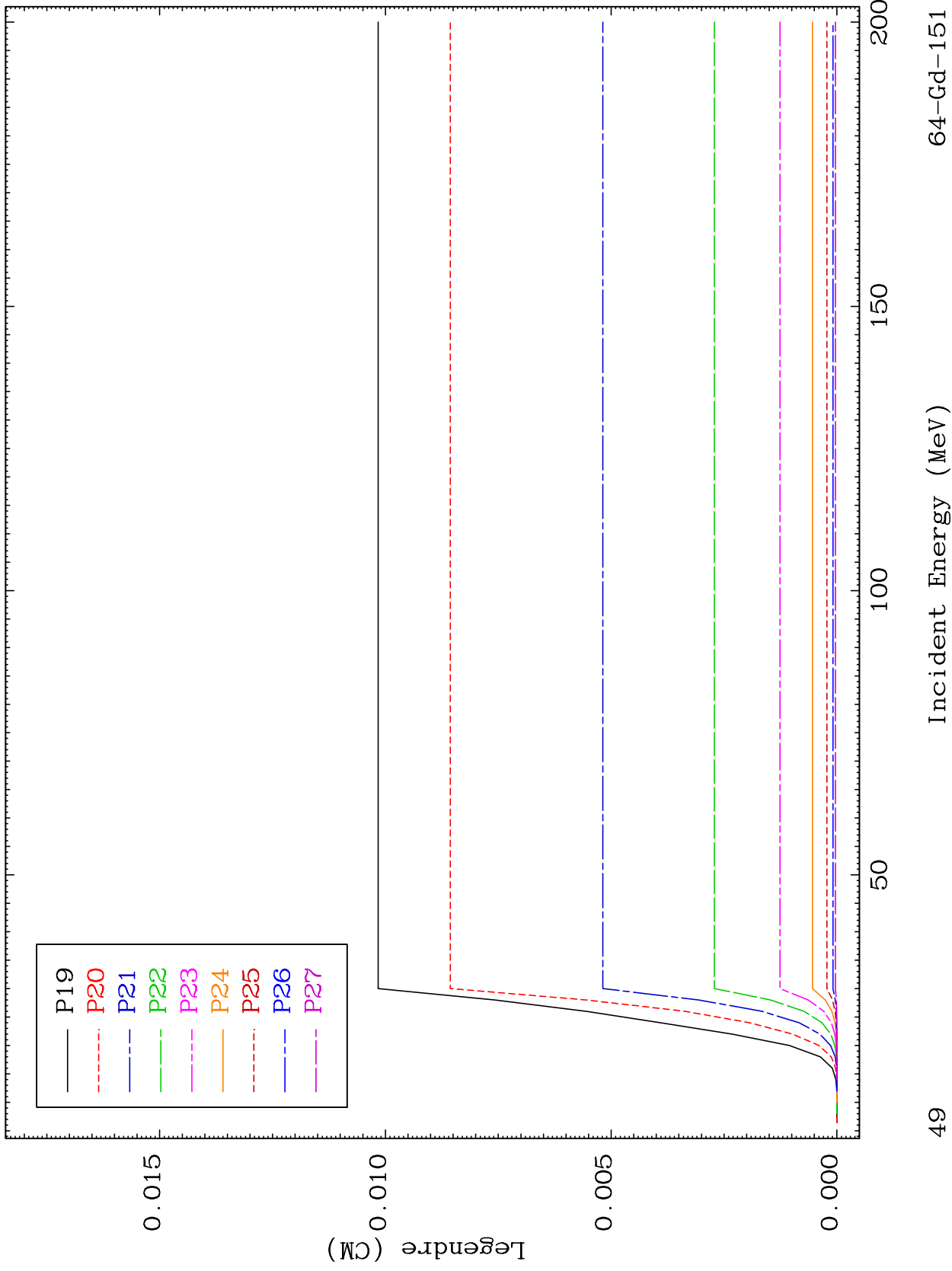
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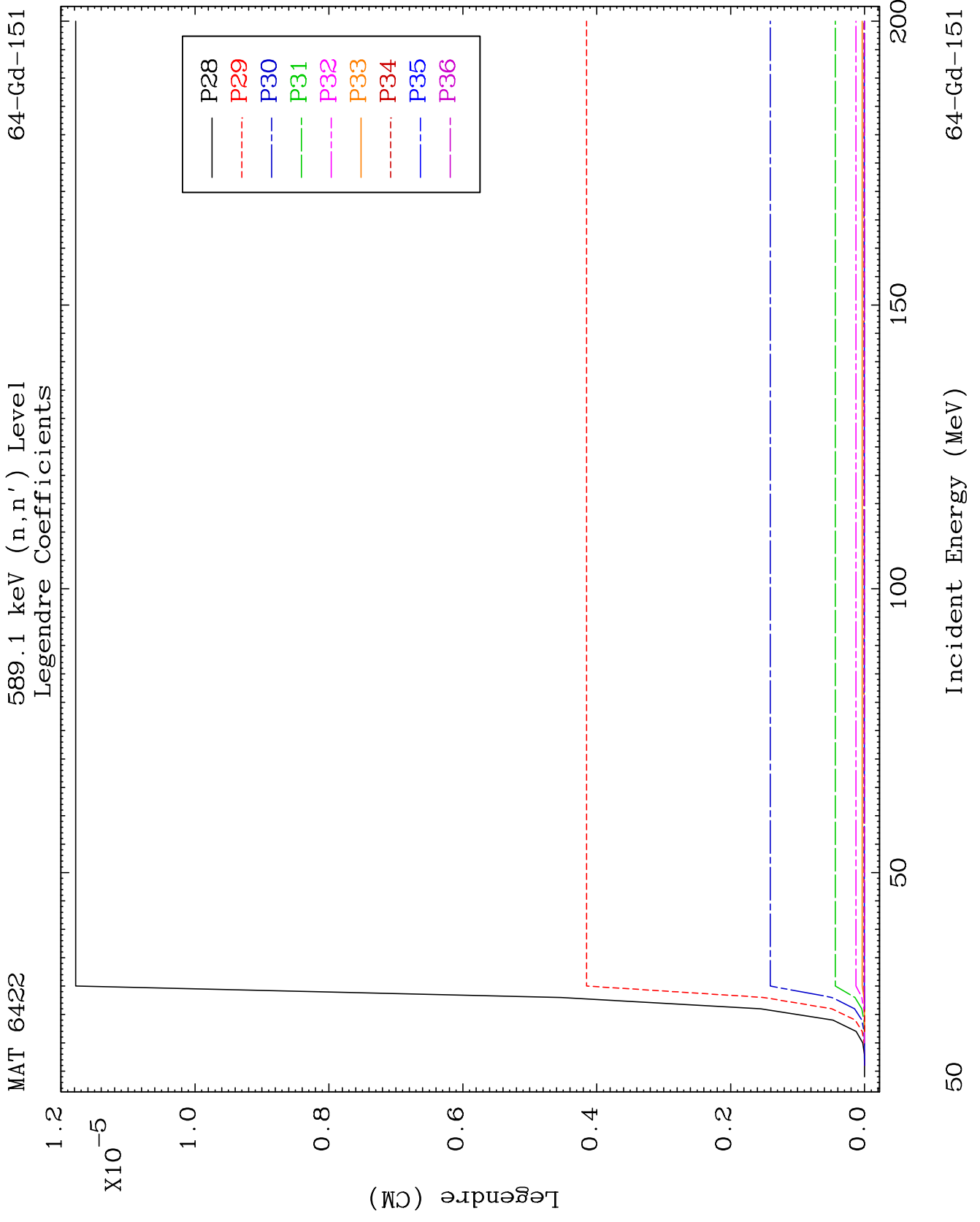


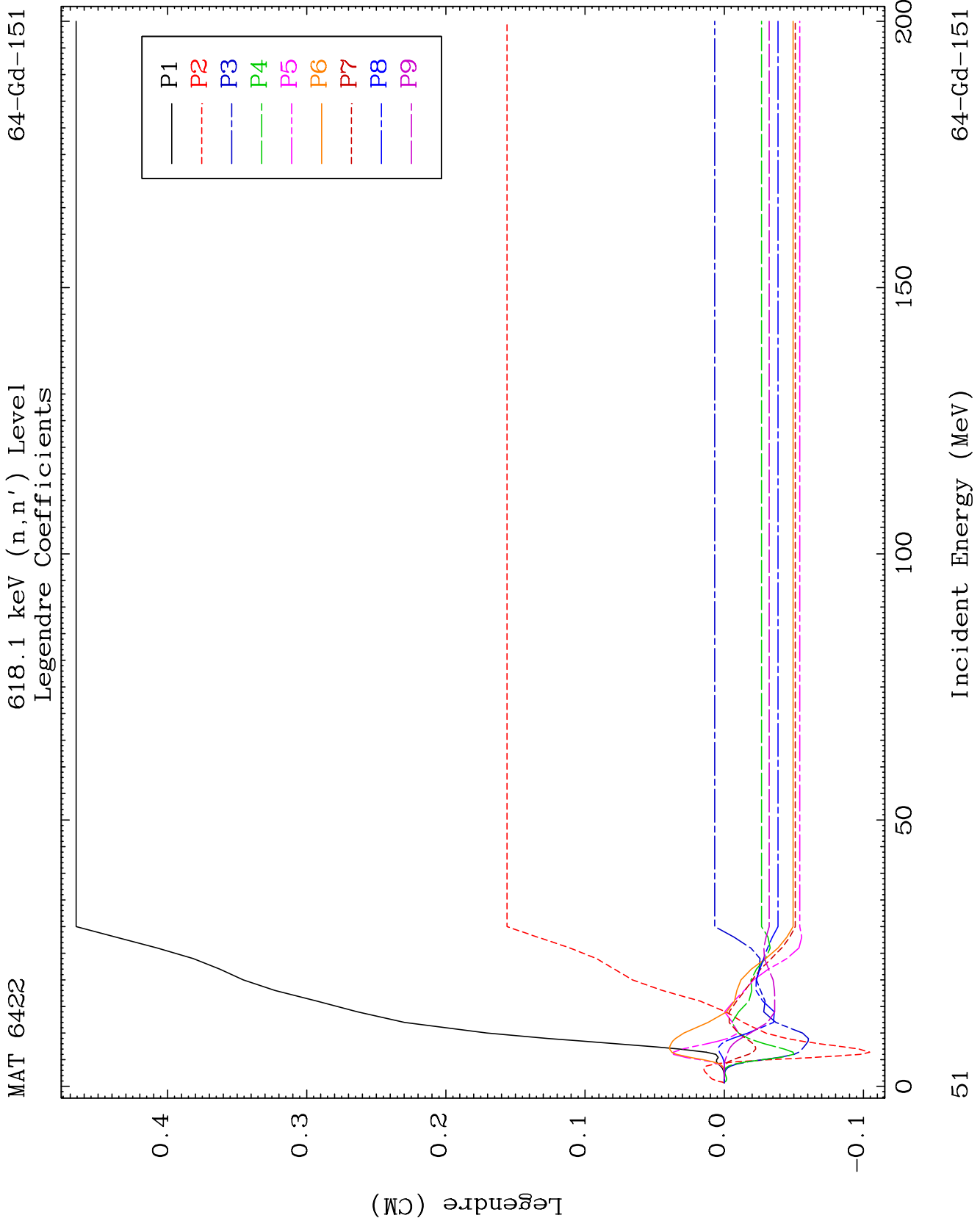
48

Incident Energy (MeV)

64-Gd-151



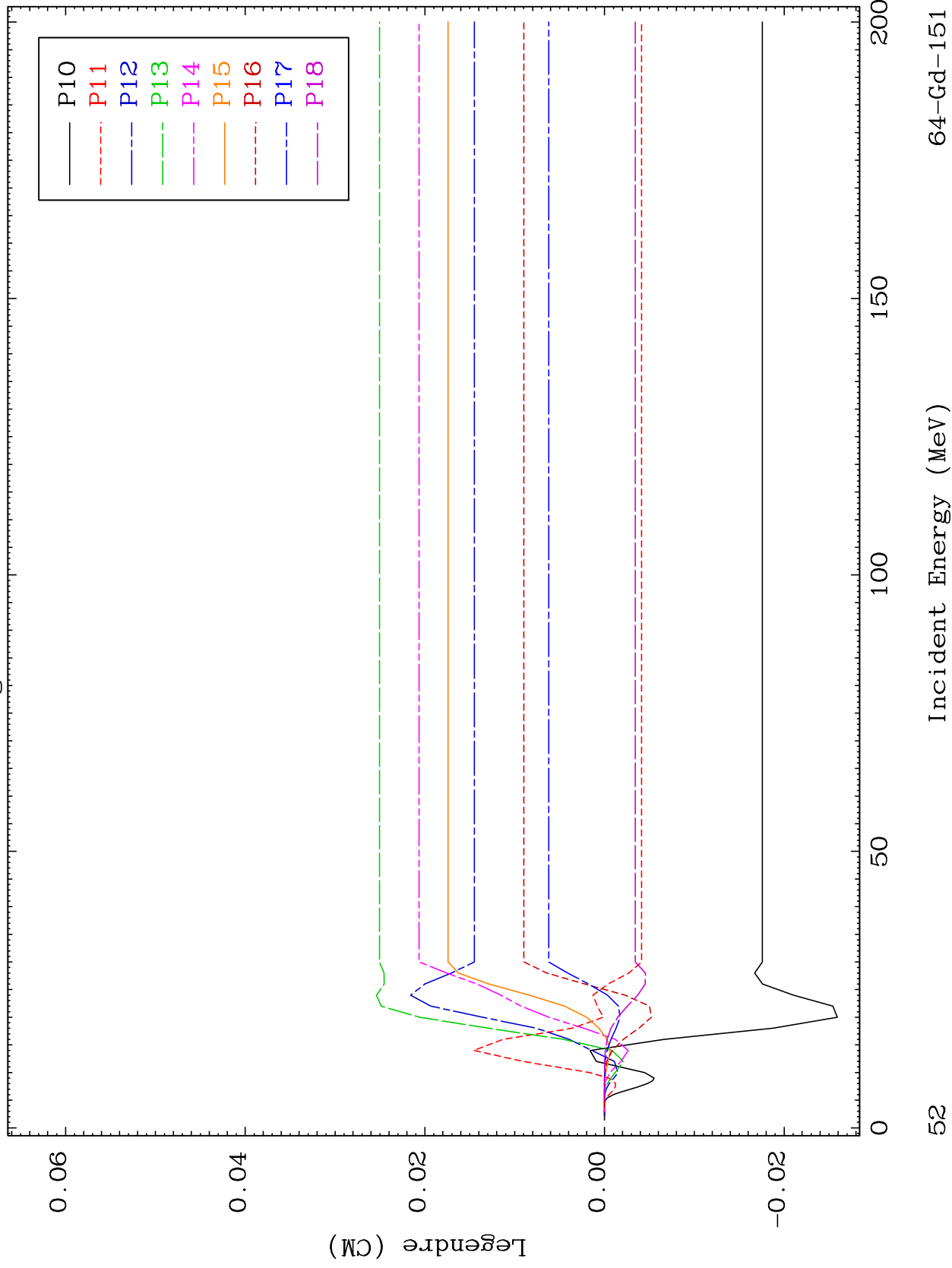




MAT 6422

618.1 keV (n,n') Level
Legendre Coefficients

64-Gd-151



64-Gd-151

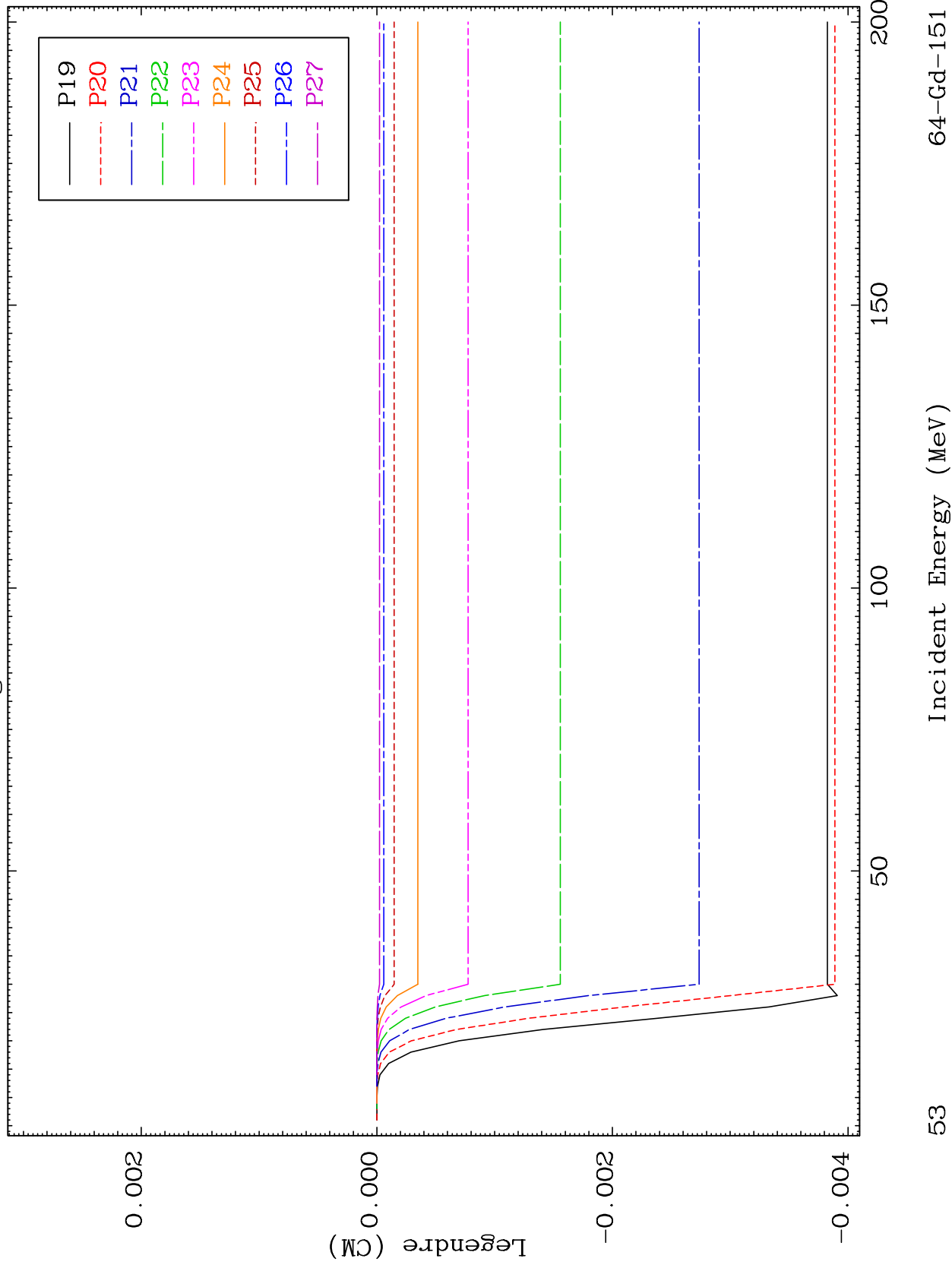
Incident Energy (MeV)

52

MAT 6422

618.1 keV (n,n') Level
Legendre Coefficients

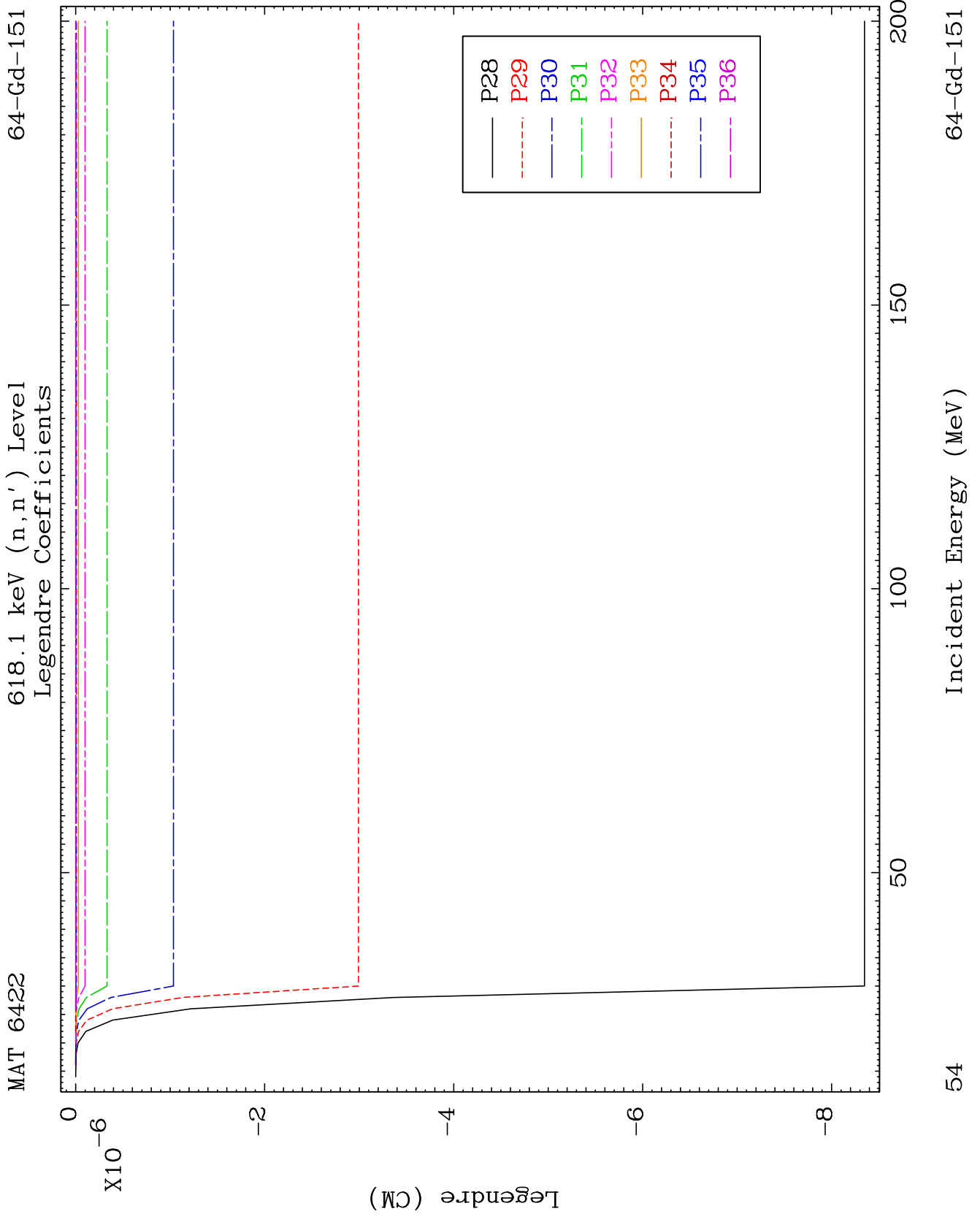
64-Gd-151



53

Incident Energy (MeV)

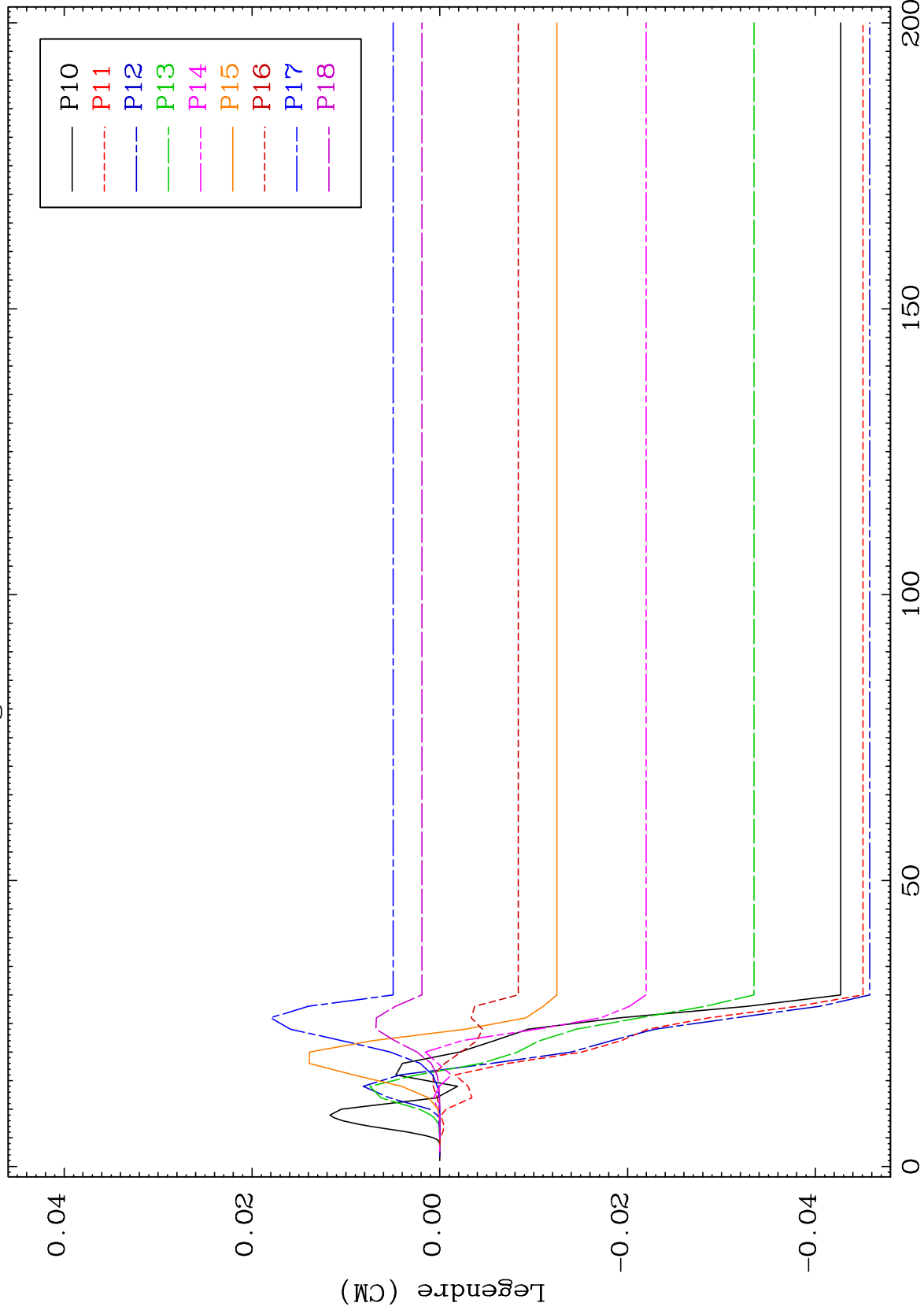
64-Gd-151



MAT 6422

620.6 keV (n,n') Level
Legendre Coefficients

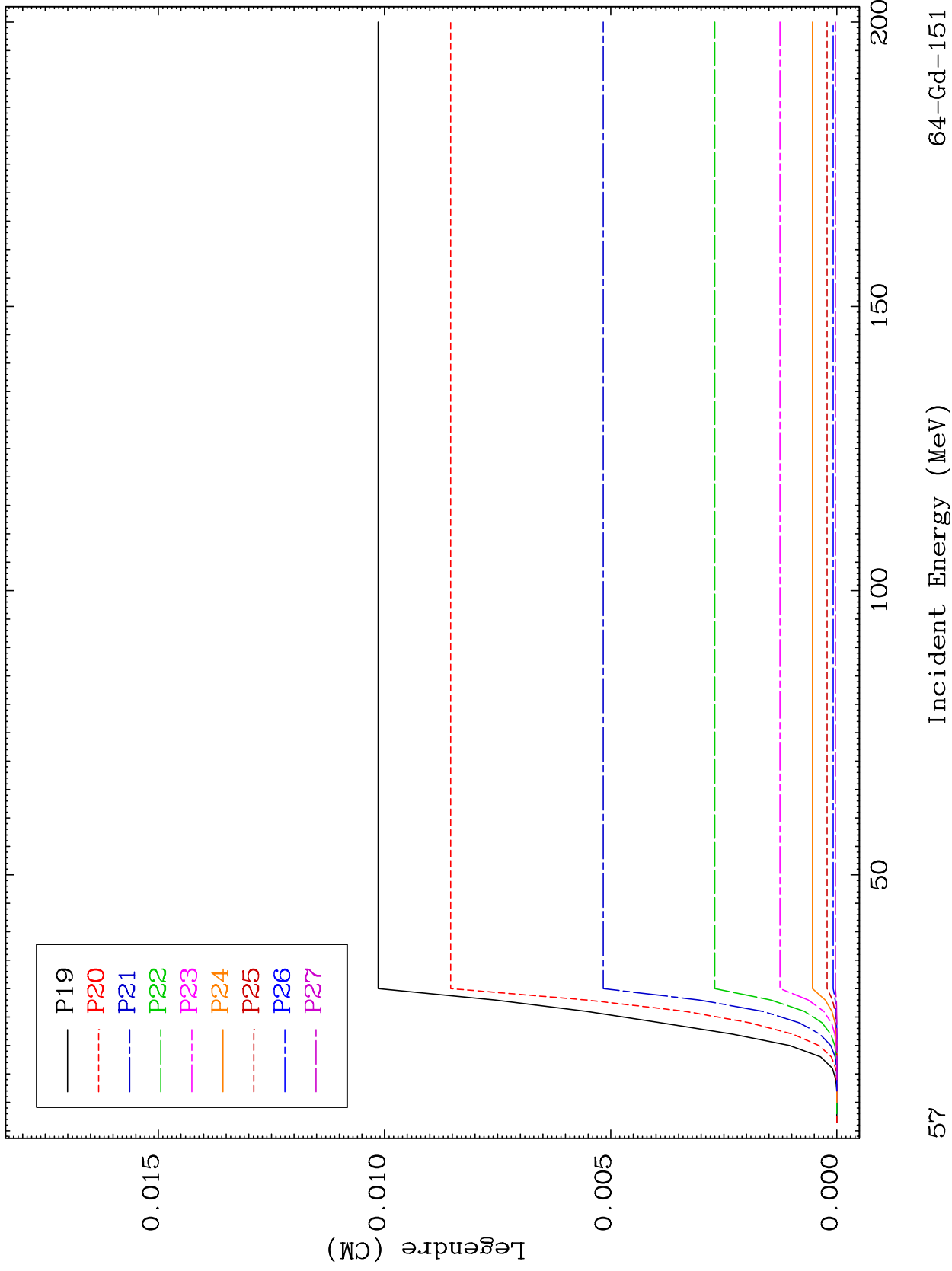
64-Gd-151



56

Incident Energy (MeV)

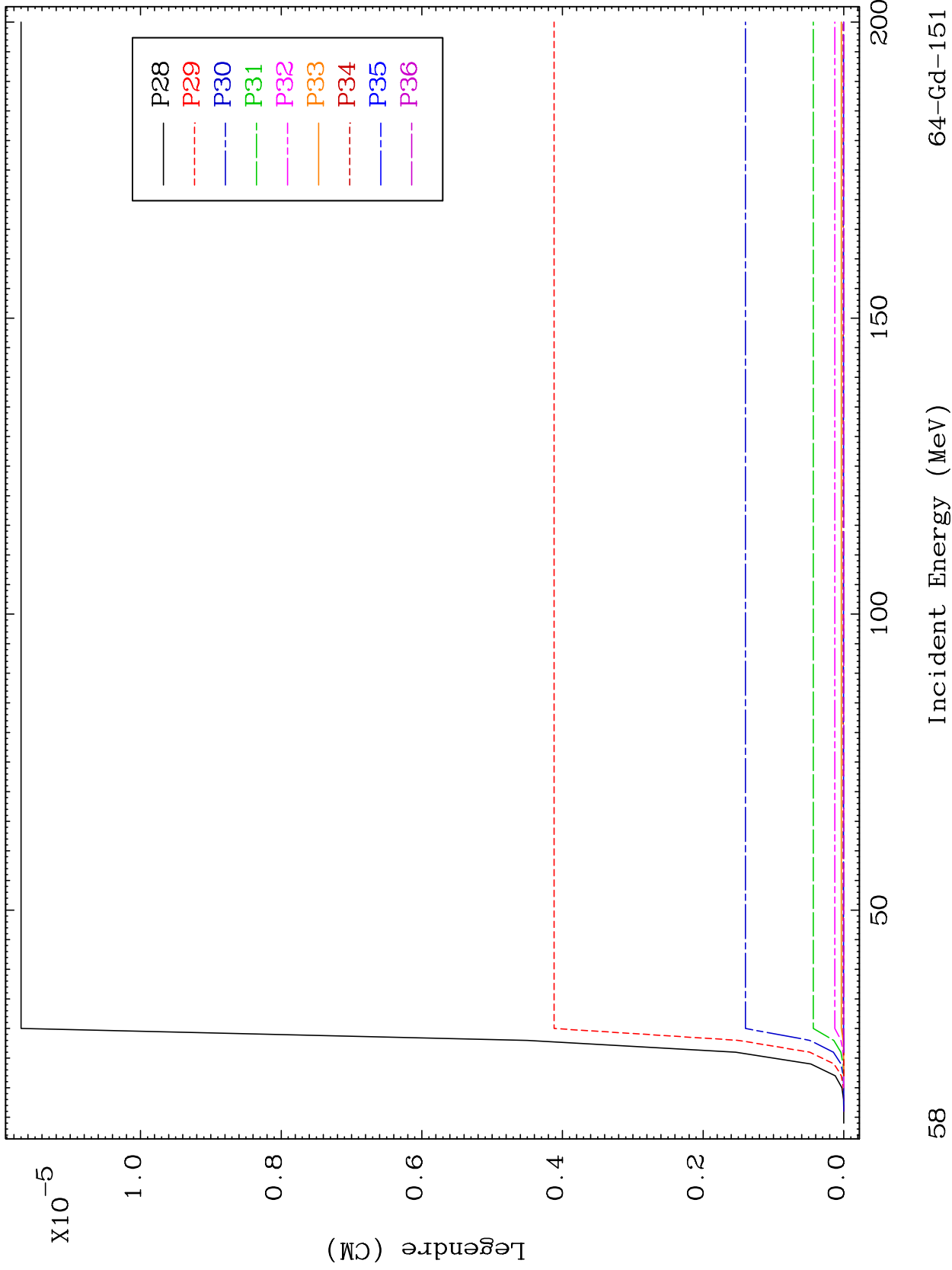
64-Gd-151



MAT 6422

620.6 keV (n,n') Level
Legendre Coefficients

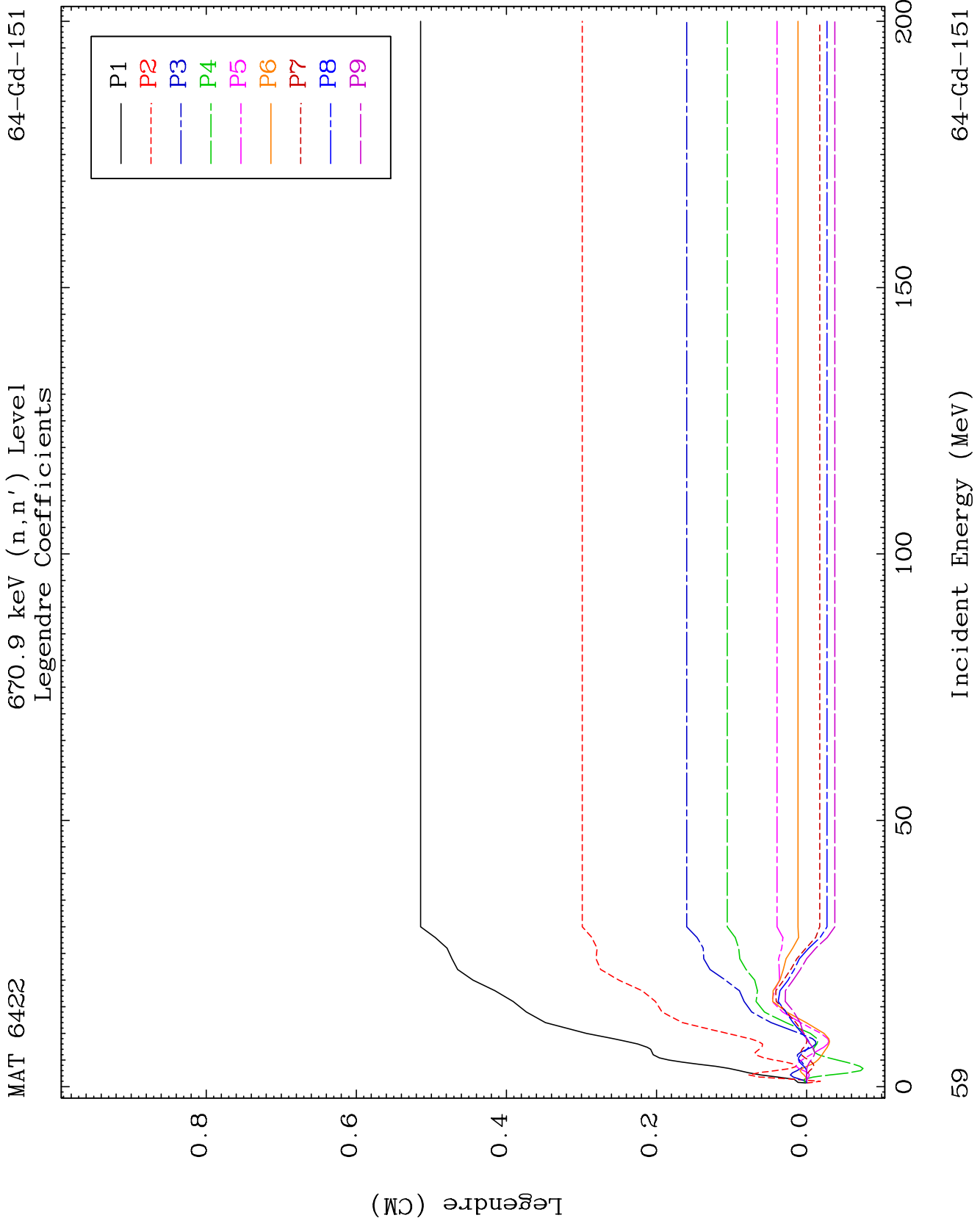
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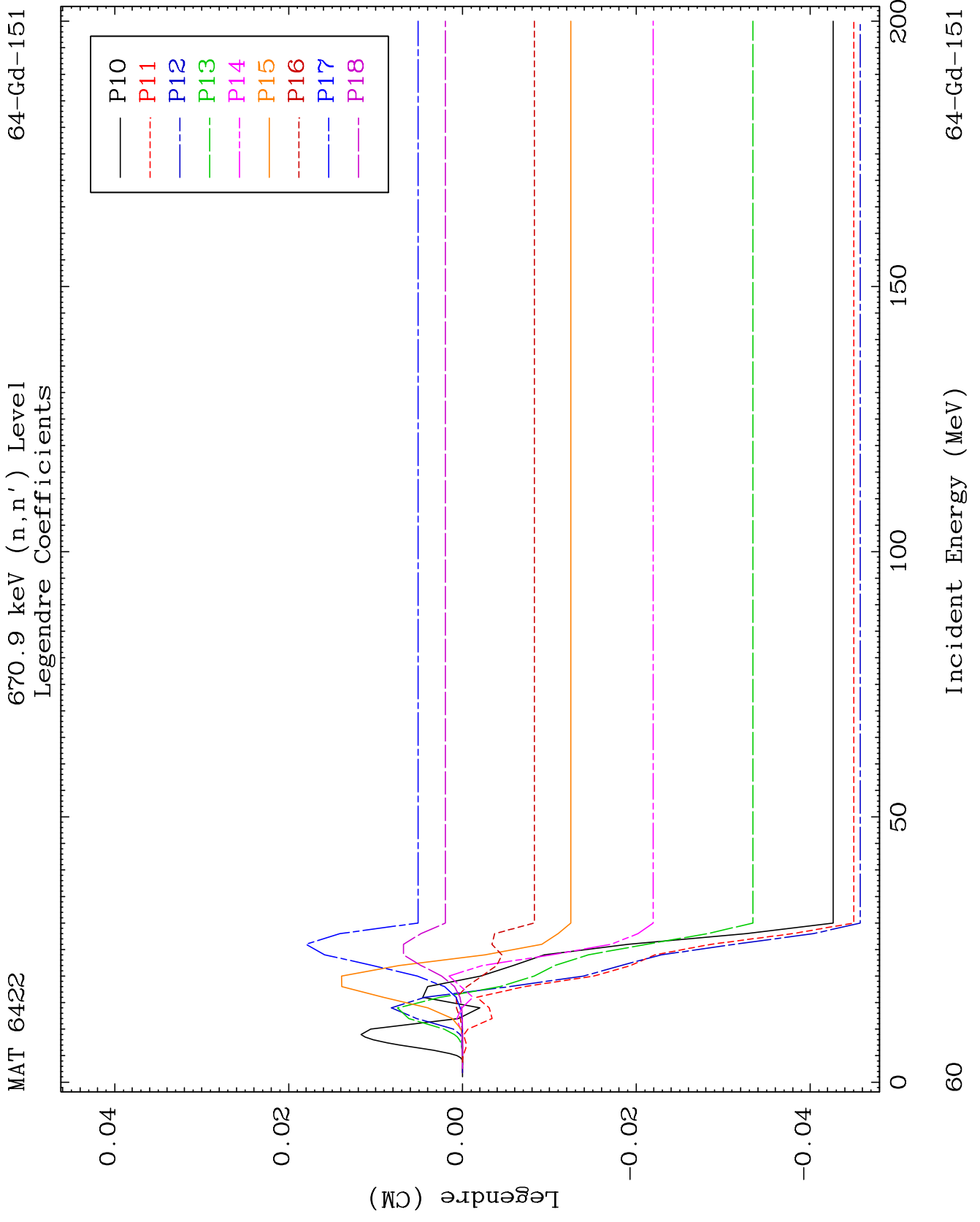


58

Incident Energy (MeV)

64-Gd-151

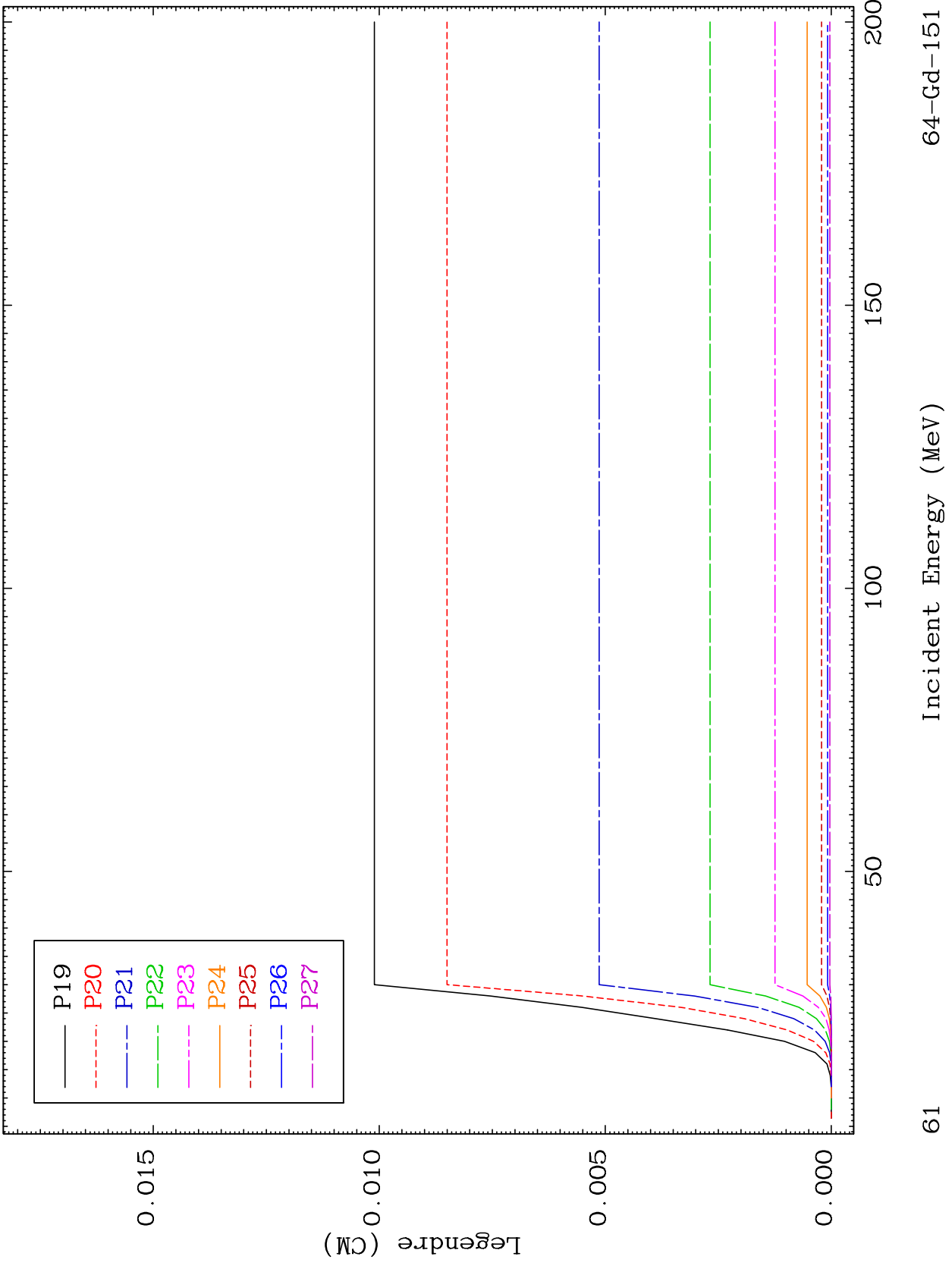




MAT 6422

670.9 keV (n,n') Level
Legendre Coefficients

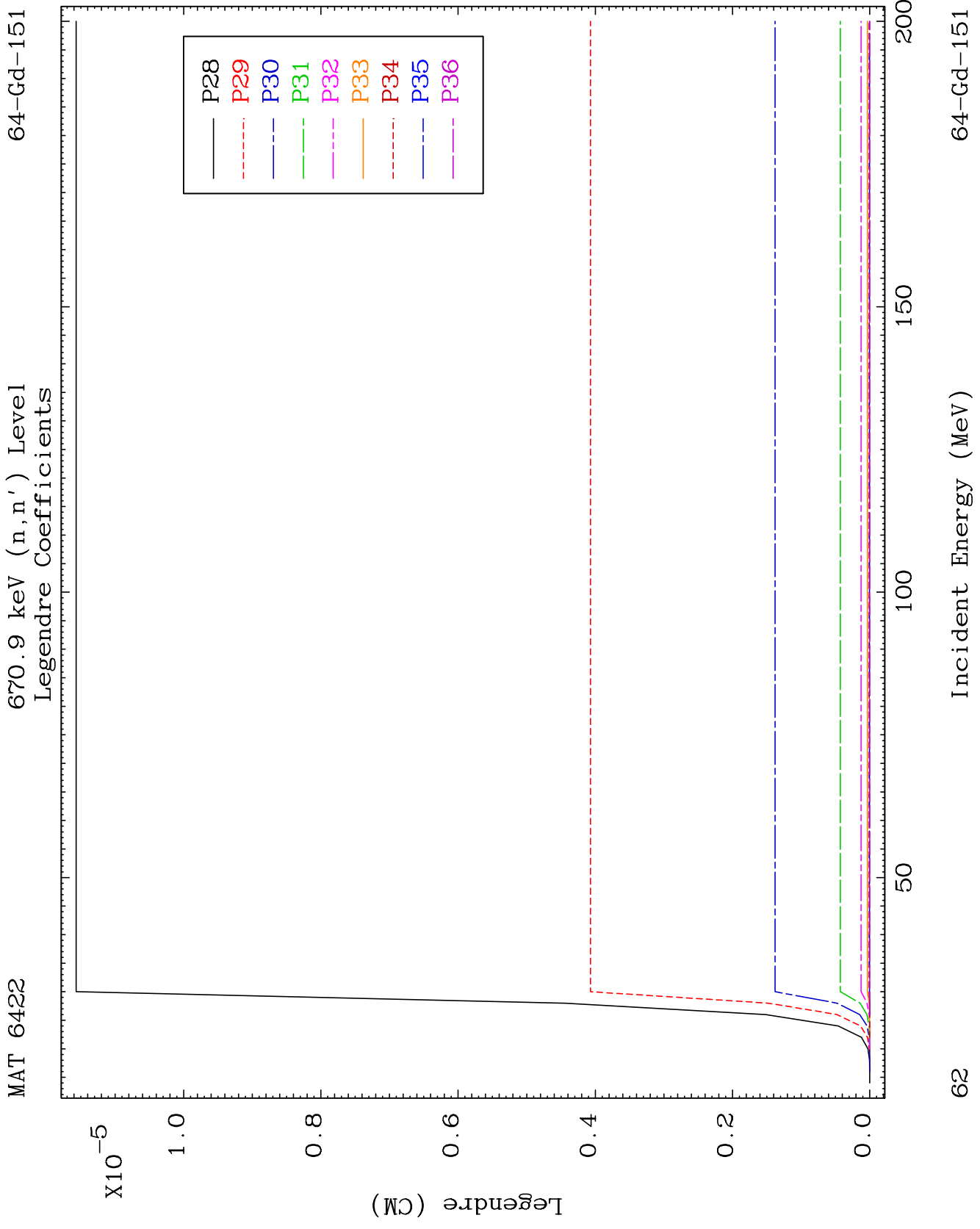
64-Gd-151



61

Incident Energy (MeV)

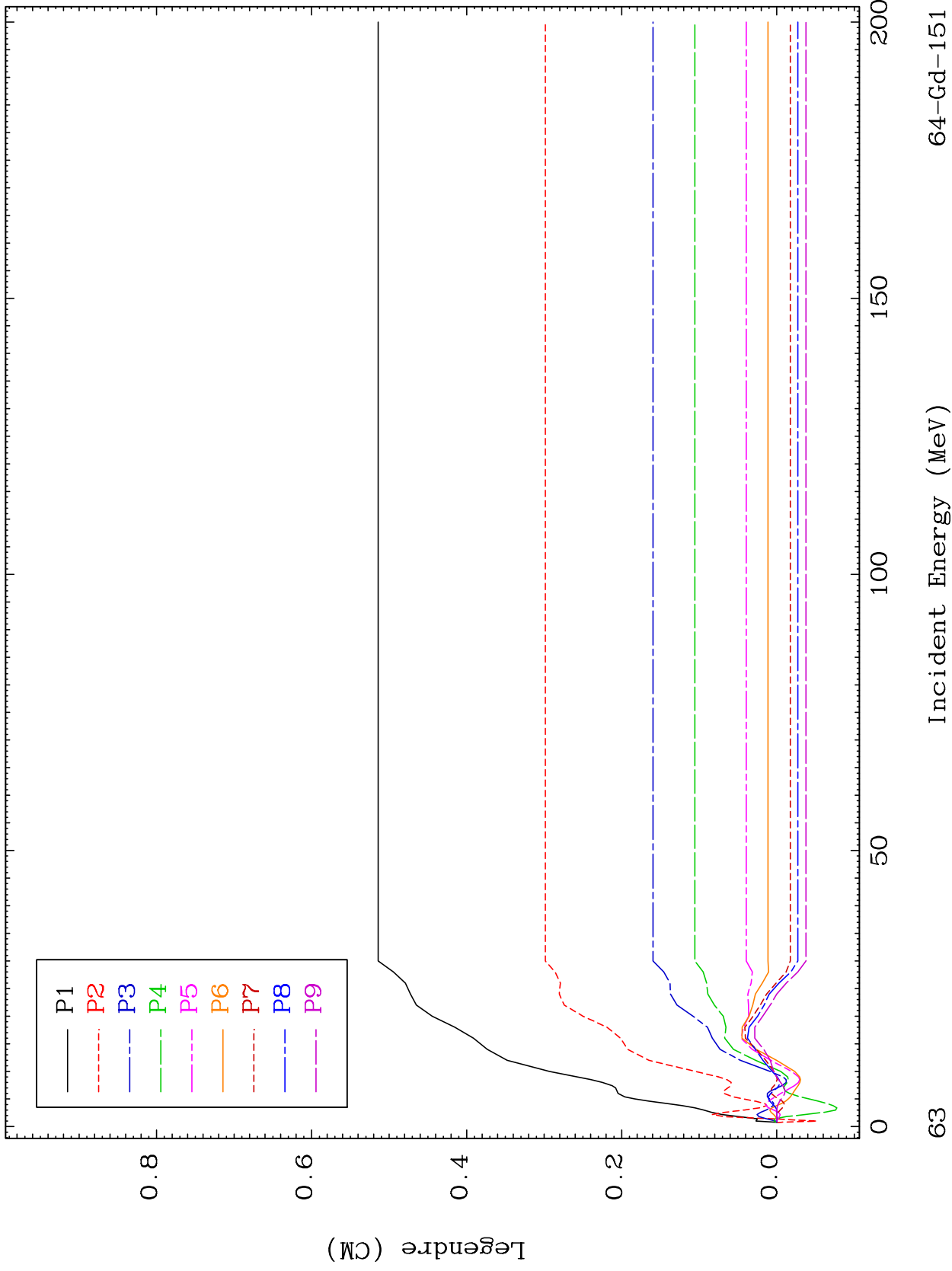
64-Gd-151



MAT 6422

697.0 keV (n,n') Level
Legendre Coefficients

64-Gd-151



64-Gd-151

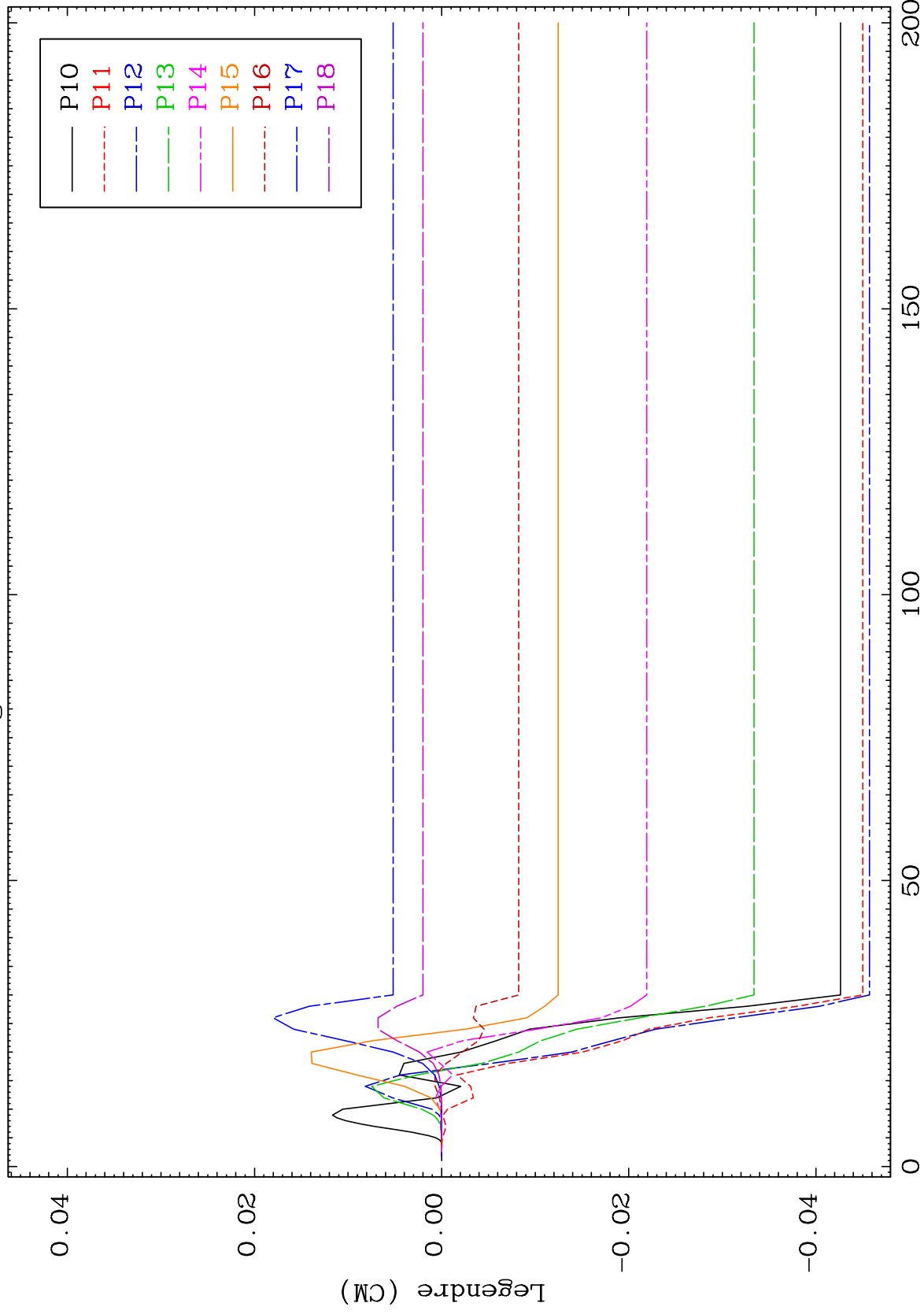
Incident Energy (MeV)

63

MAT 6422

697.0 keV (n,n') Level
Legendre Coefficients

64-Gd-151



64

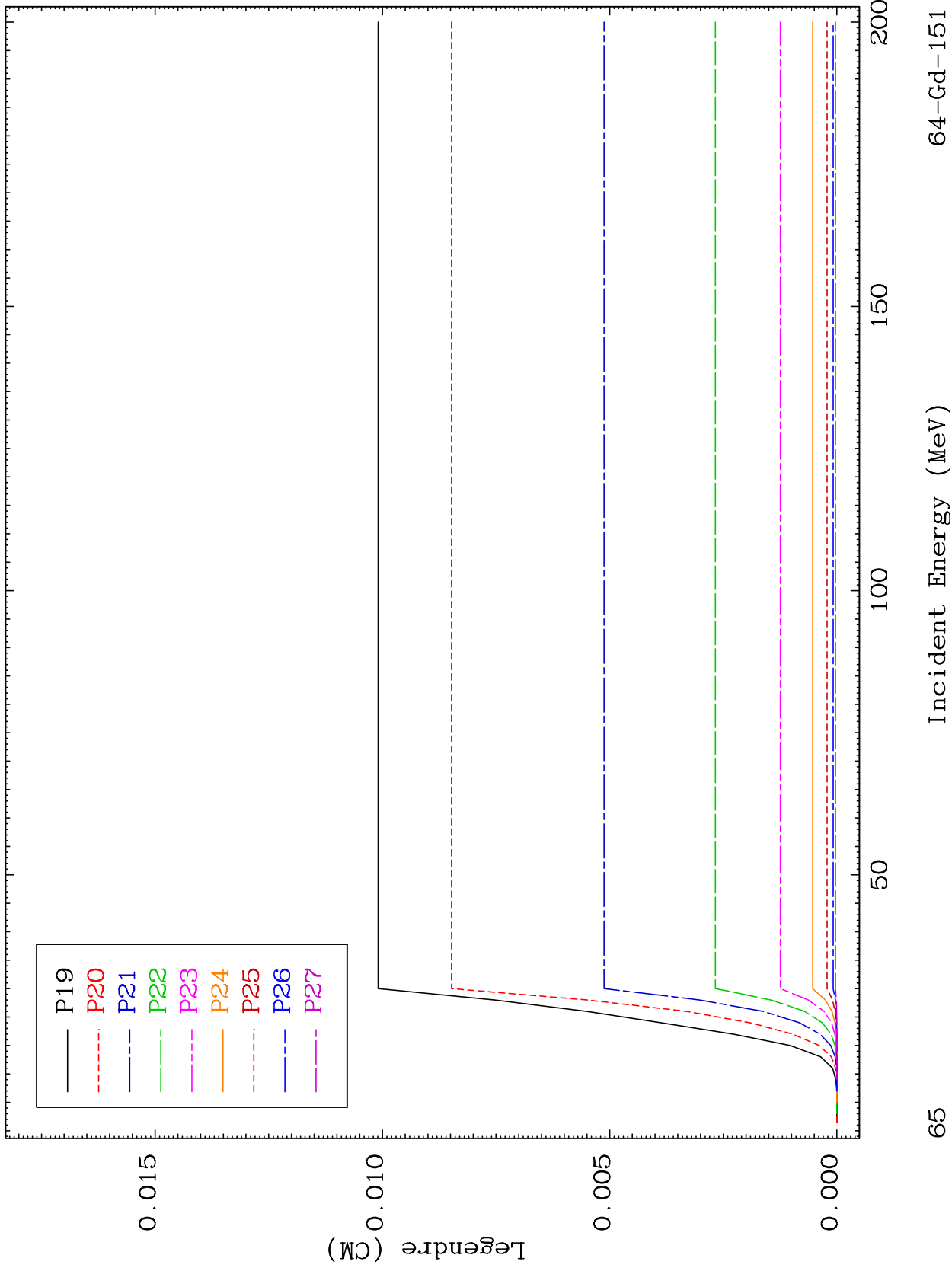
Incident Energy (MeV)

64-Gd-151

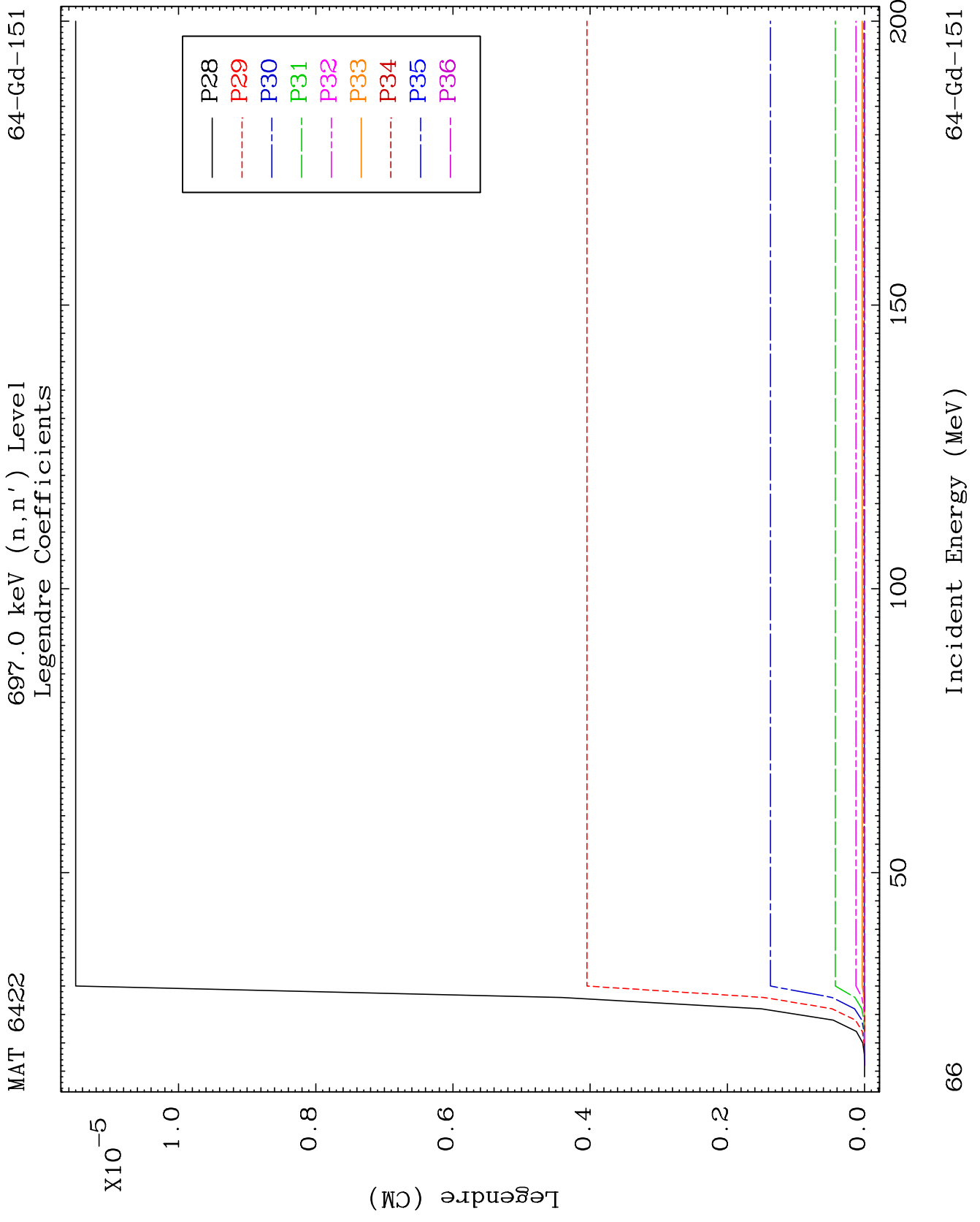
MAT 6422

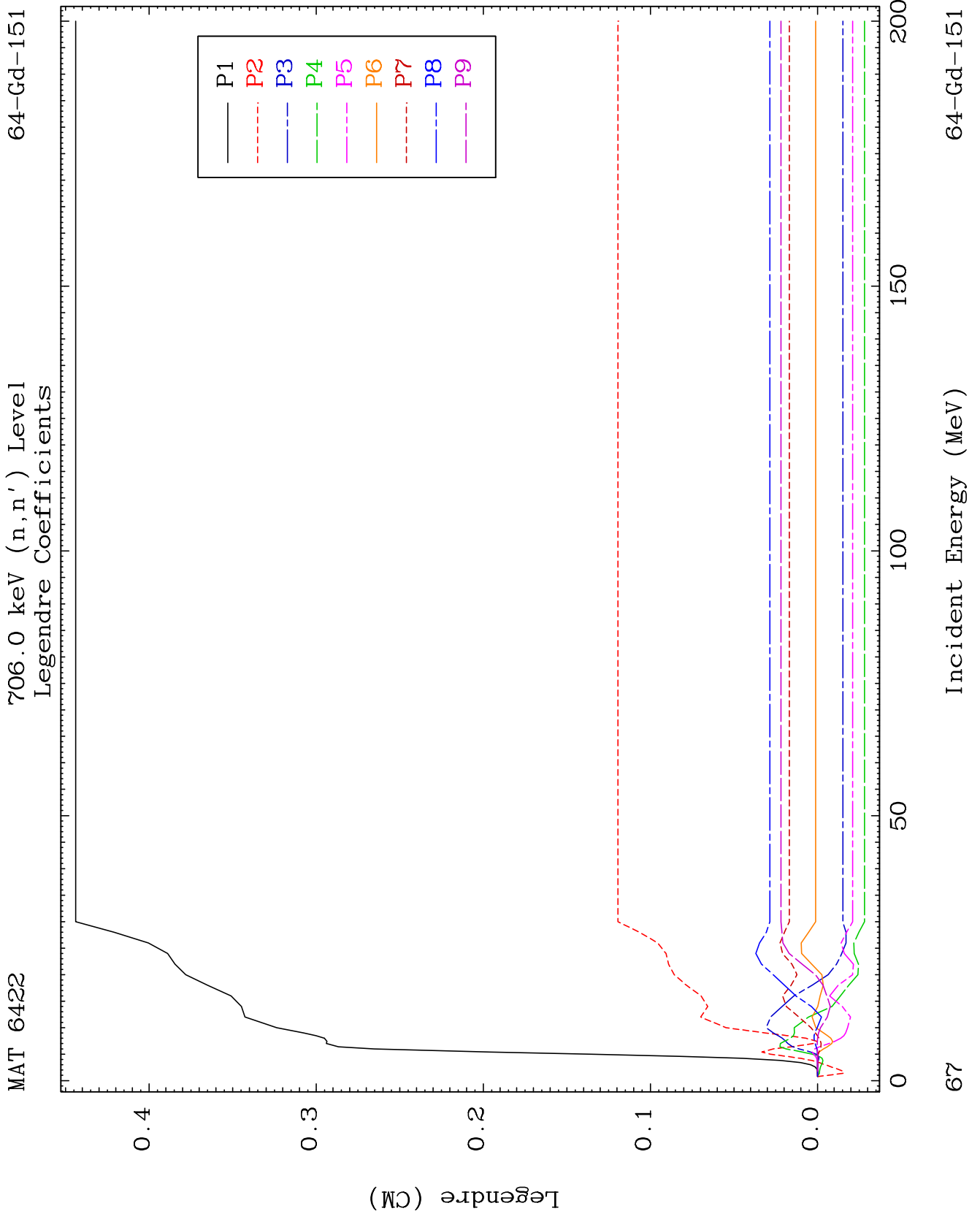
697.0 keV (n,n') Level
Legendre Coefficients

64-Gd-151



65

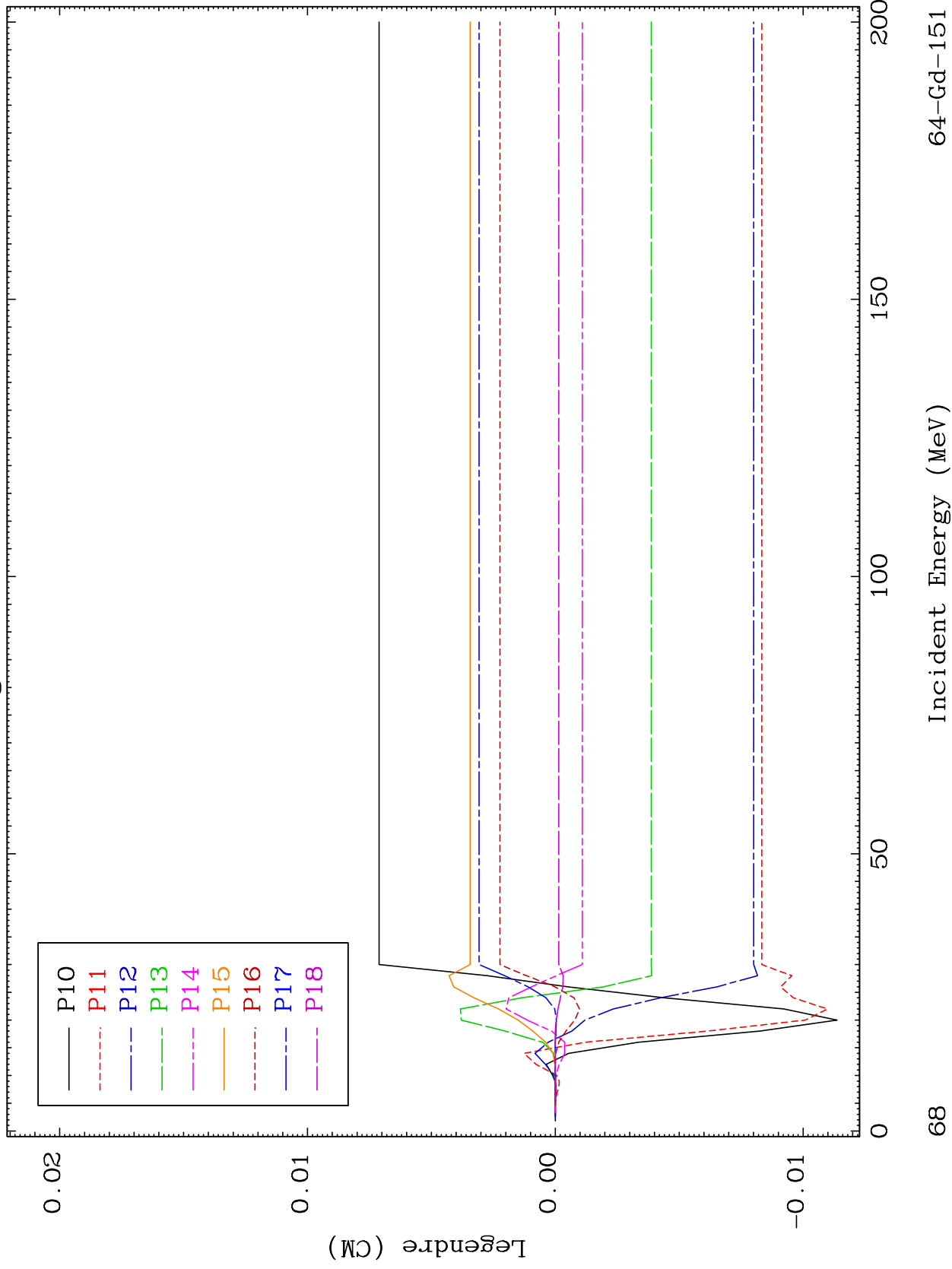




MAT 6422

706.0 keV (n,n') Level
Legendre Coefficients

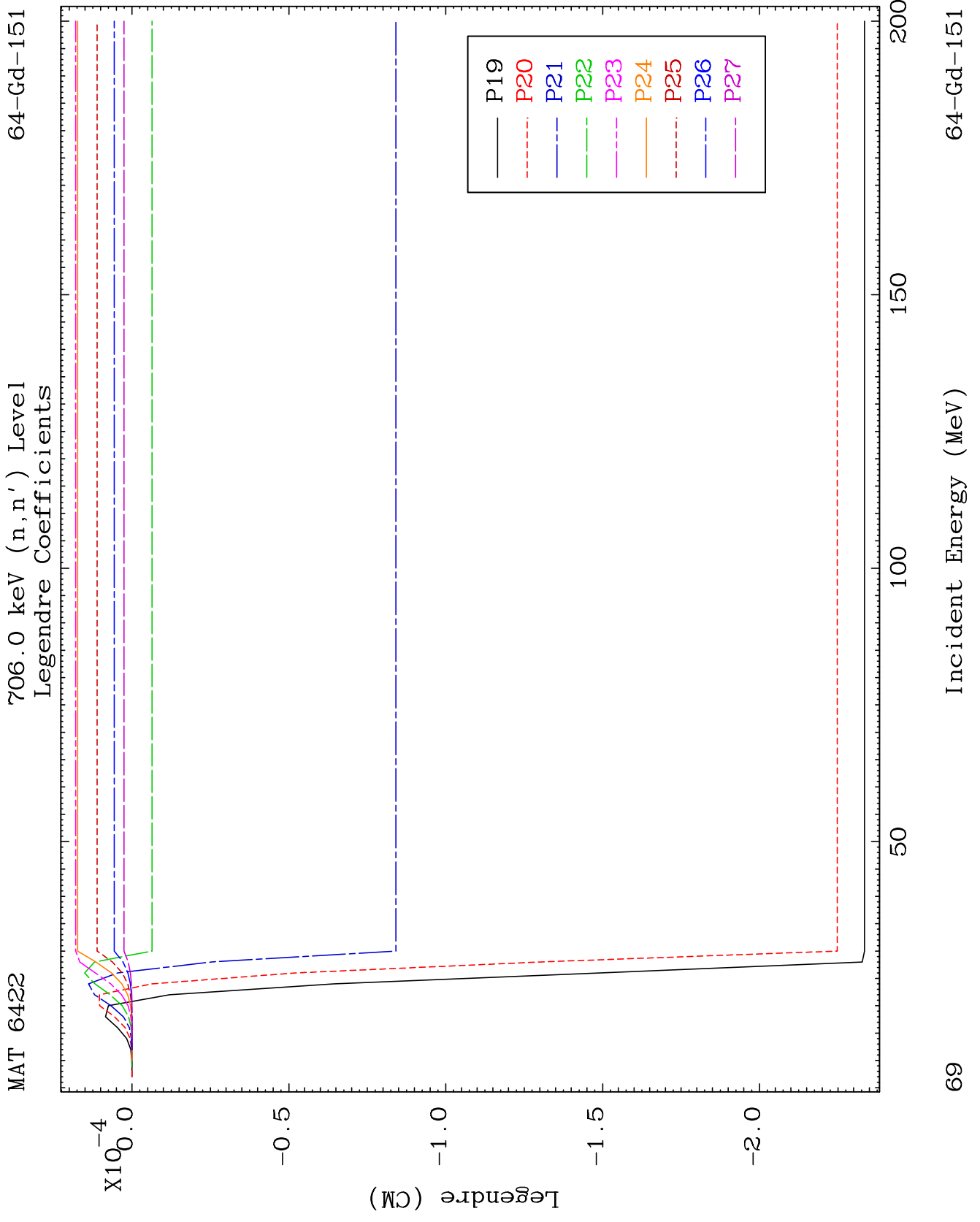
64-Gd-151



68

Incident Energy (MeV)

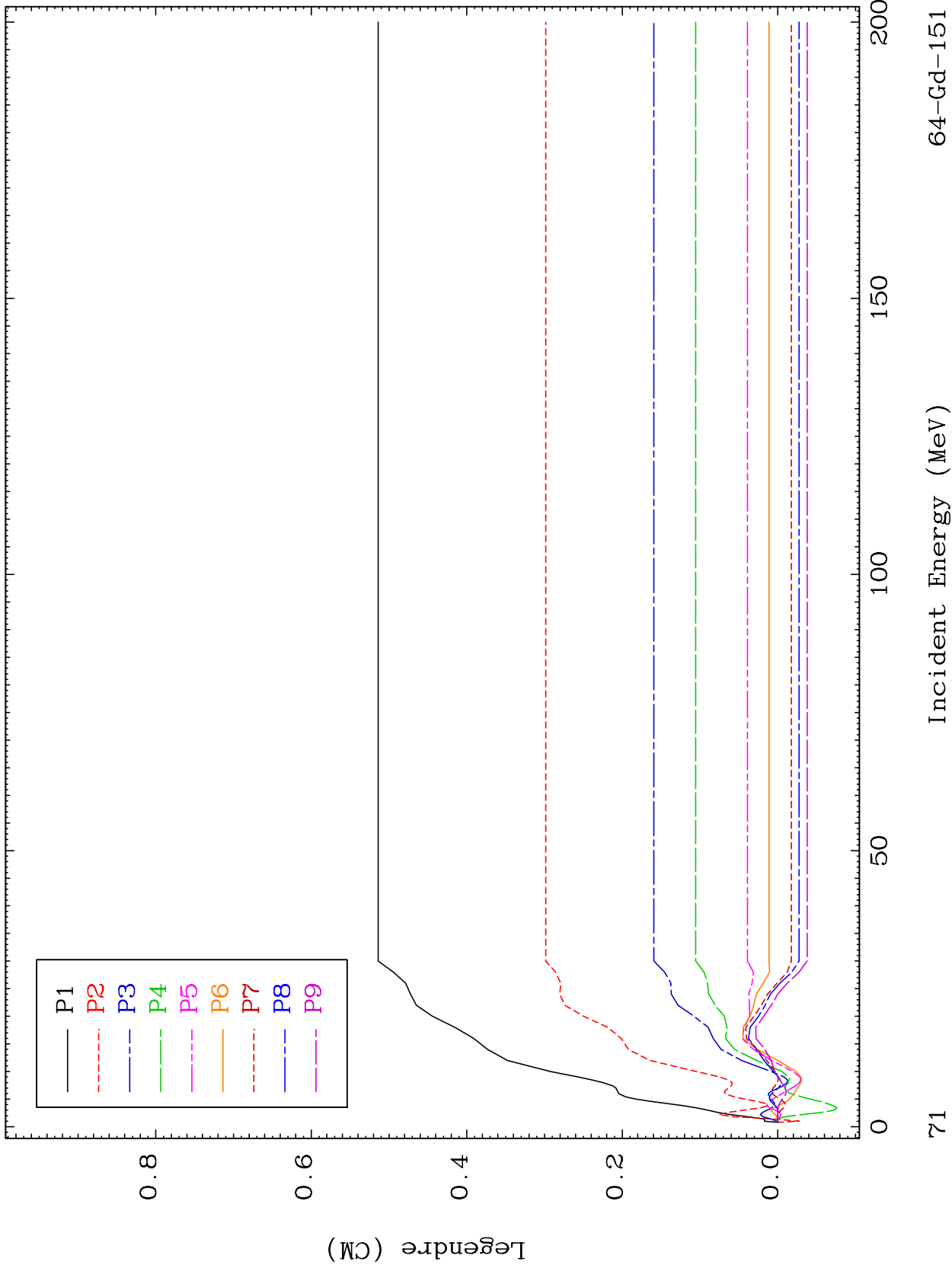
64-Gd-151



MAT 6422

719.5 keV (n,n') Level
Legendre Coefficients

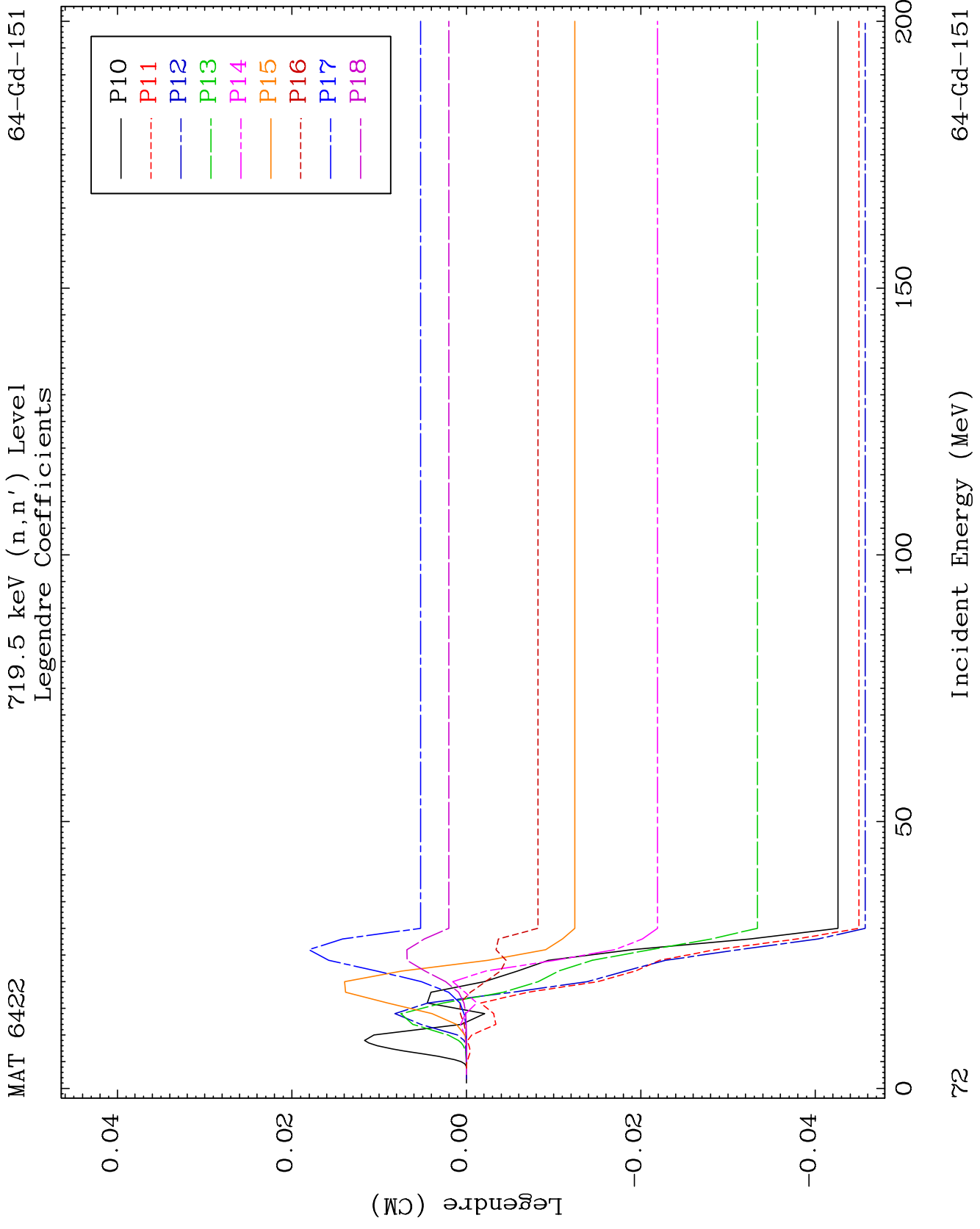
64-Gd-151



64-Gd-151

Incident Energy (MeV)

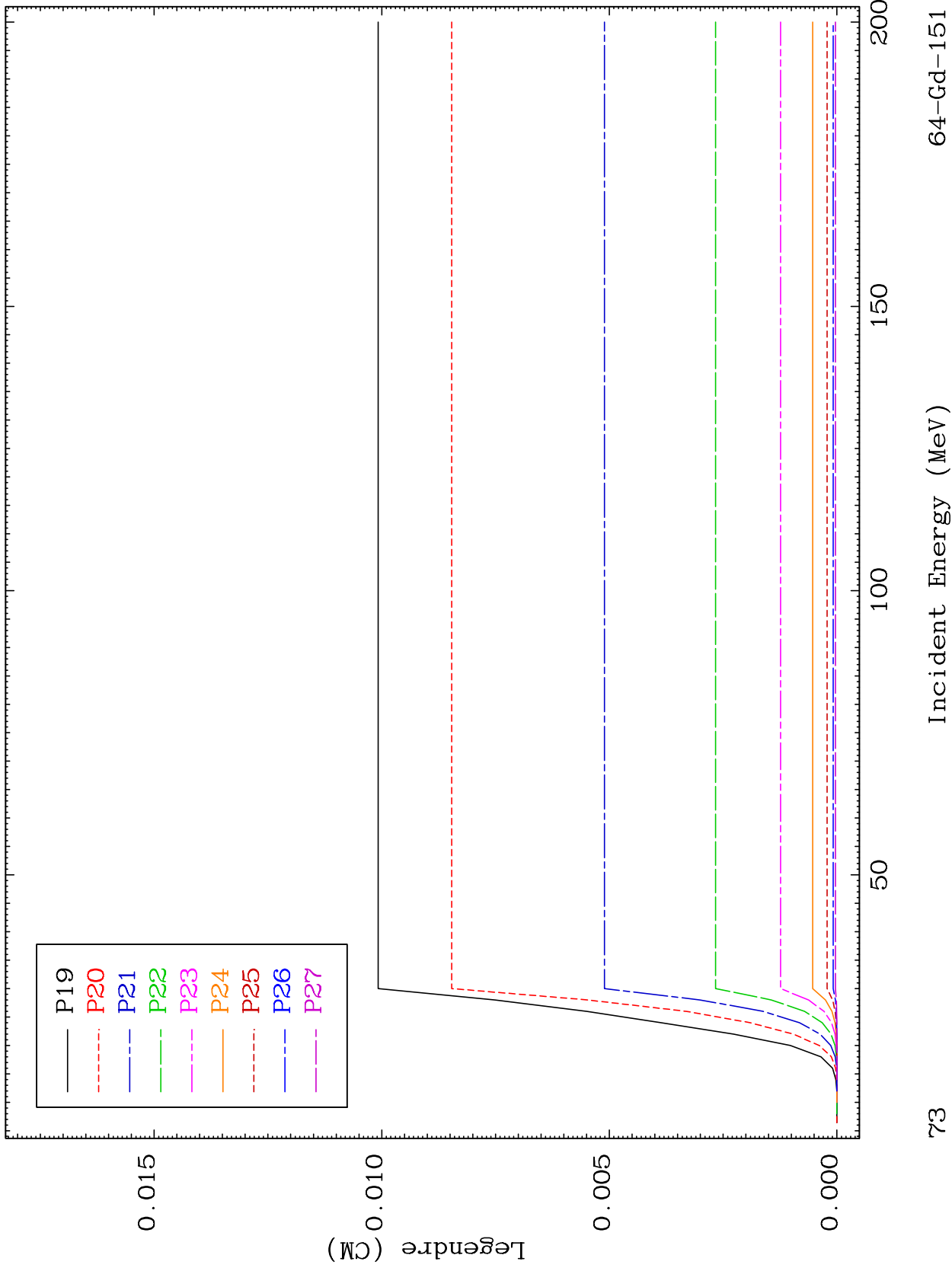
71



MAT 6422

719.5 keV (n,n') Level
Legendre Coefficients

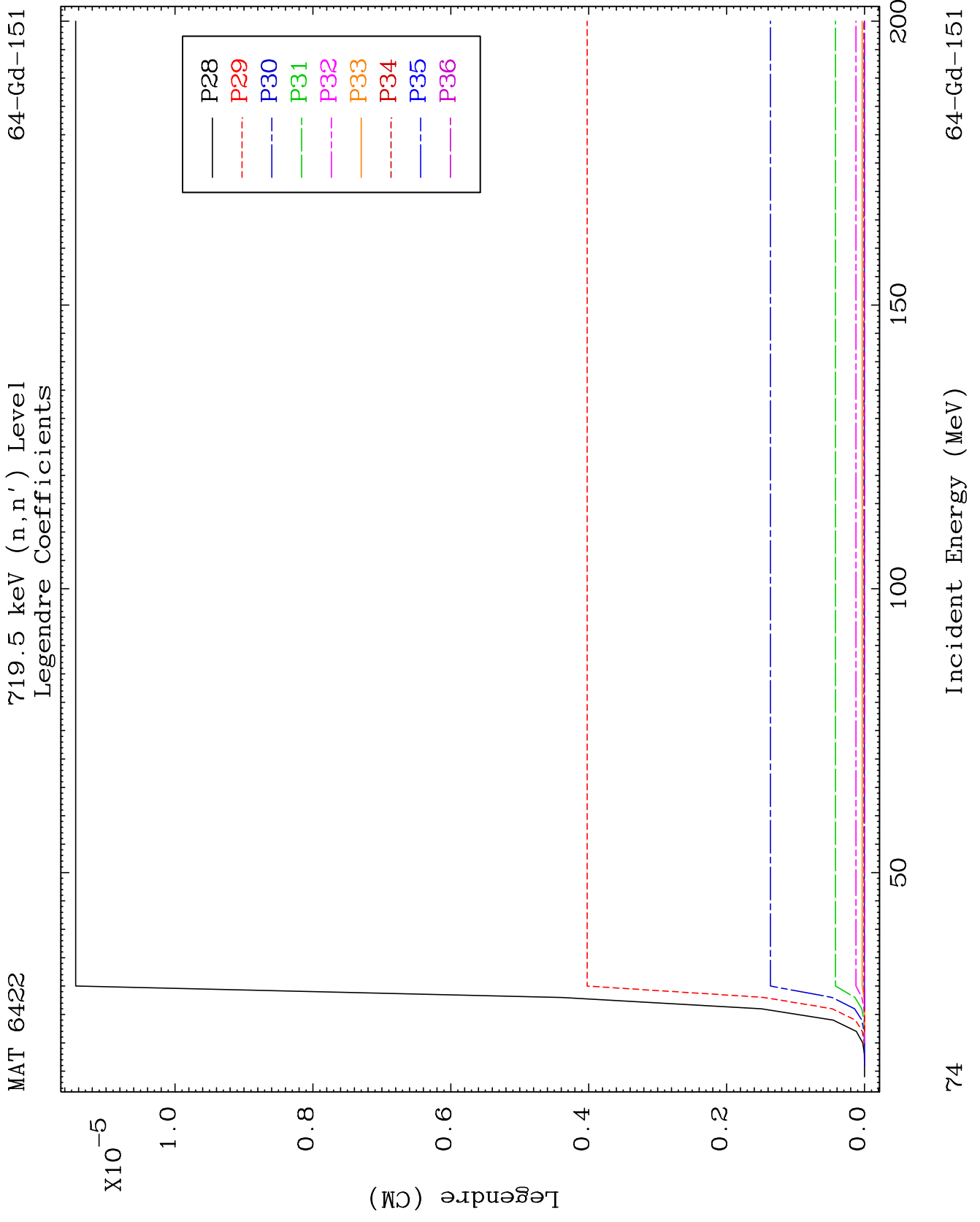
64-Gd-151



73

Incident Energy (MeV)

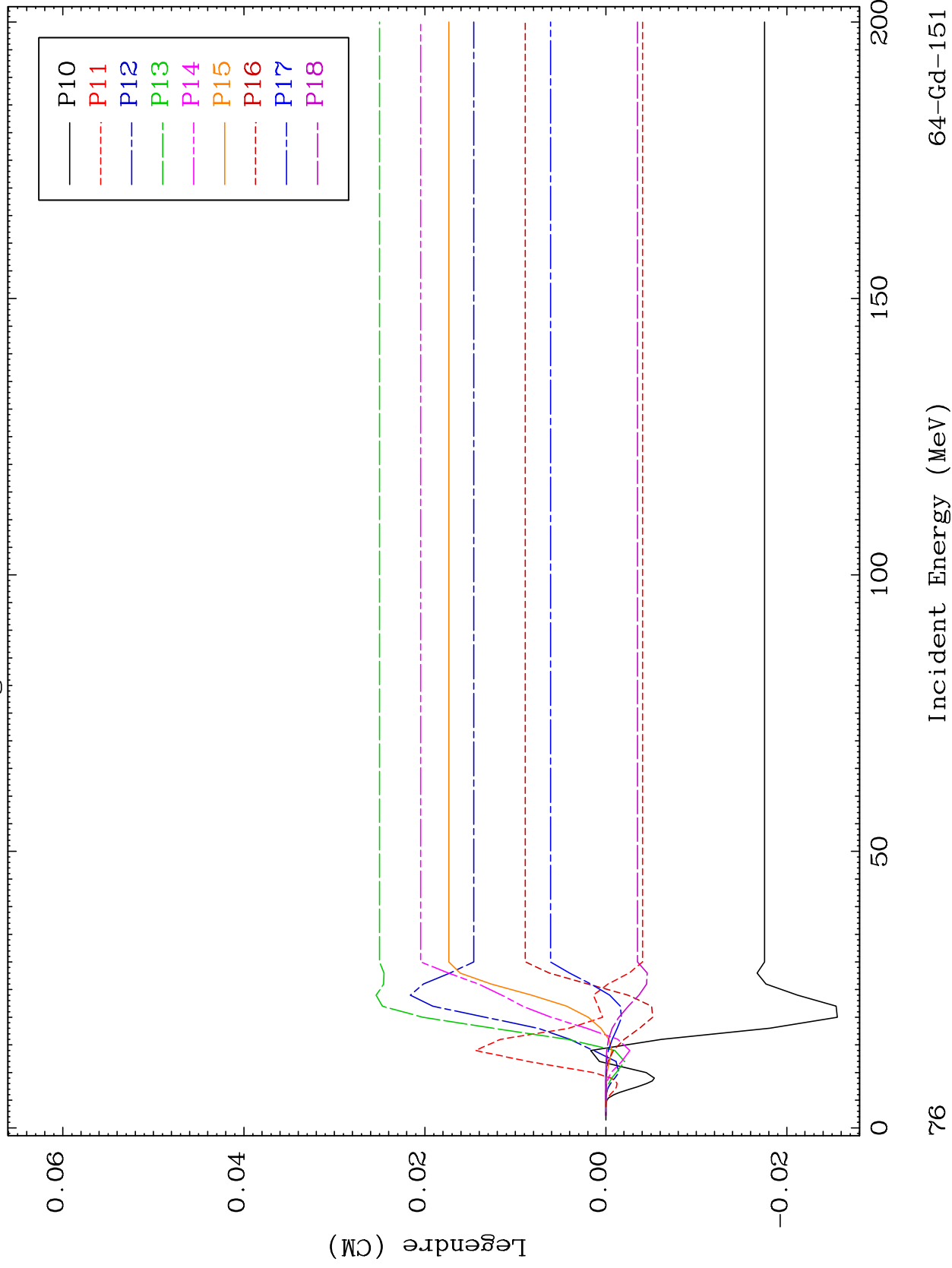
64-Gd-151



MAT 6422

784.8 keV (n,n') Level
Legendre Coefficients

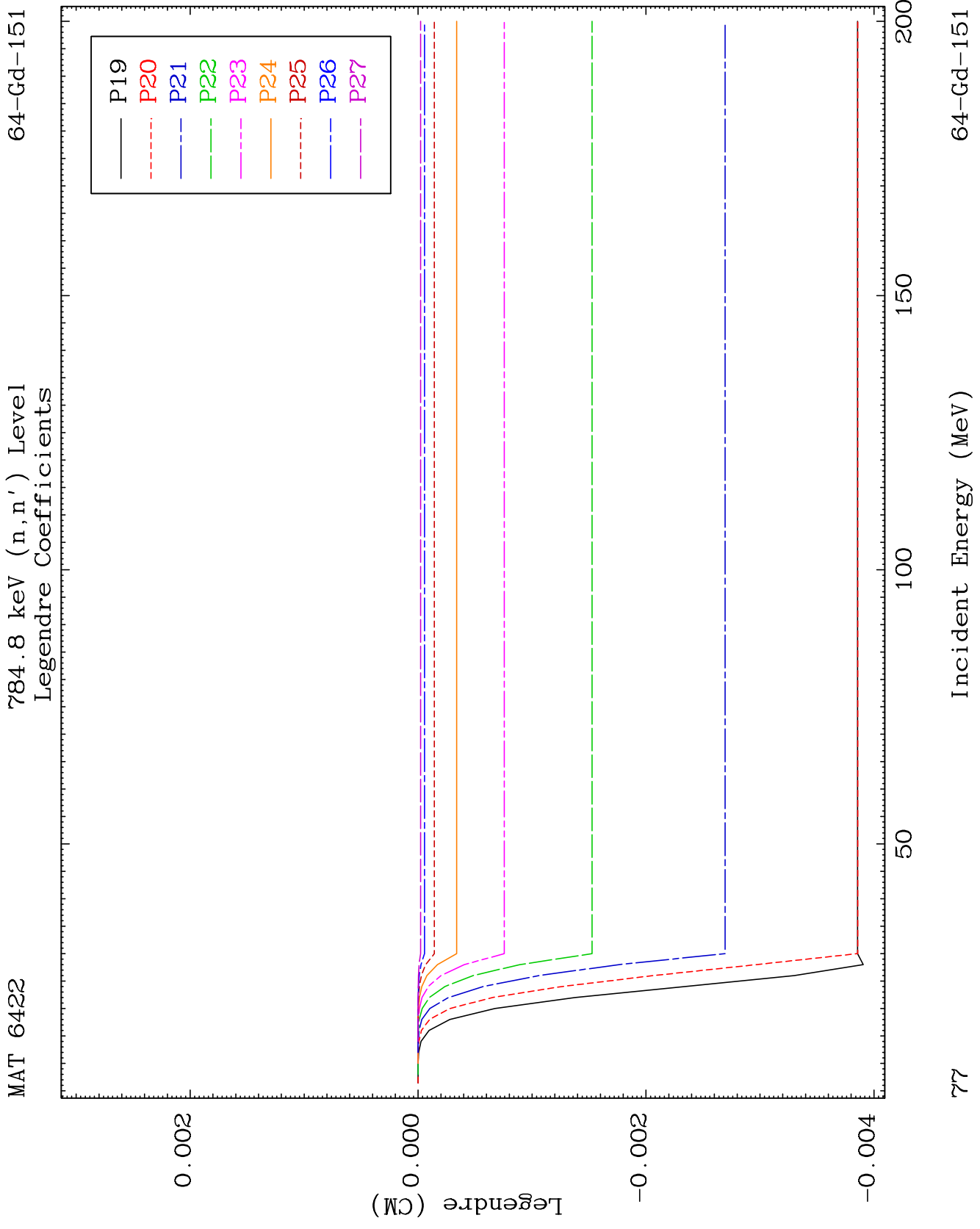
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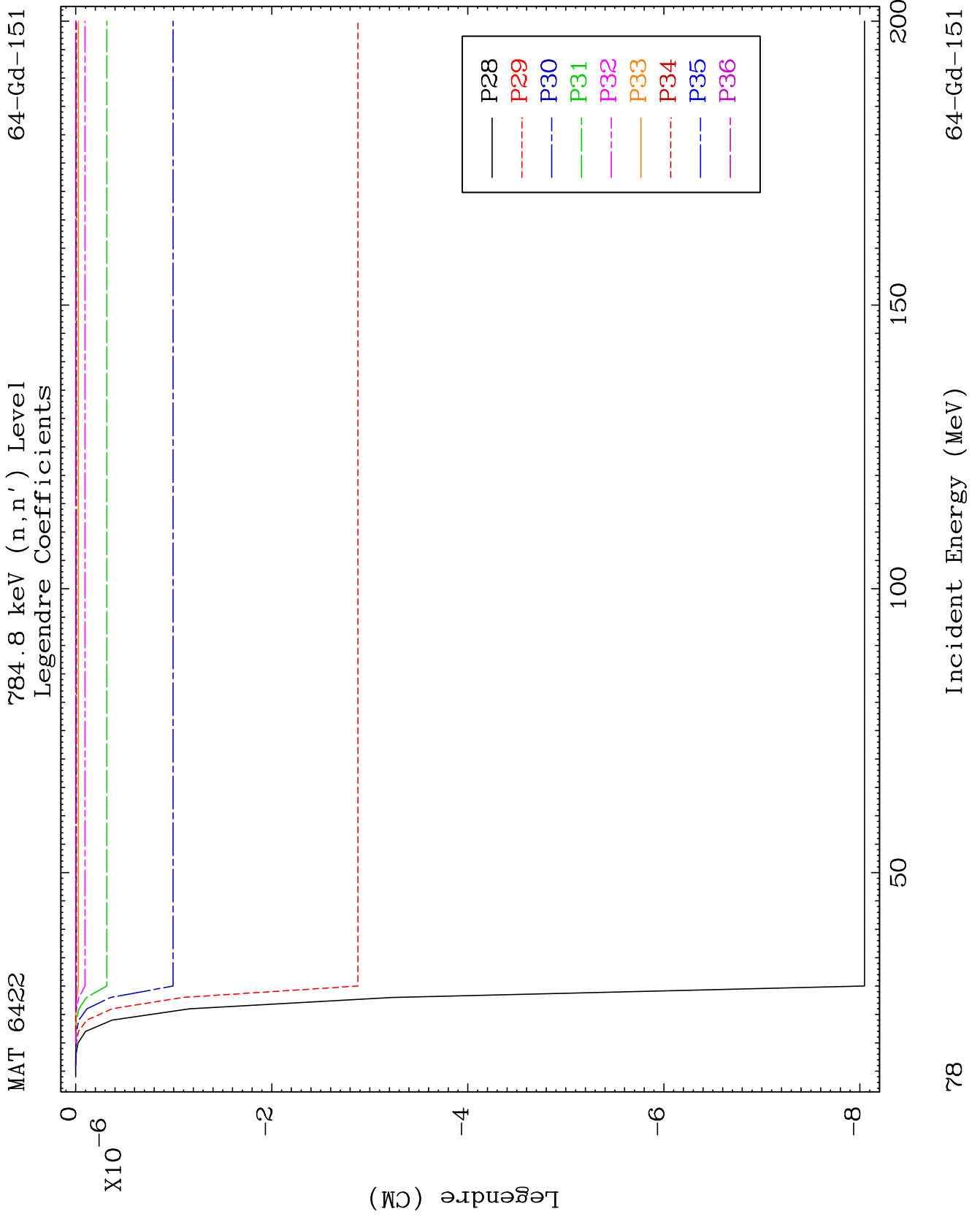


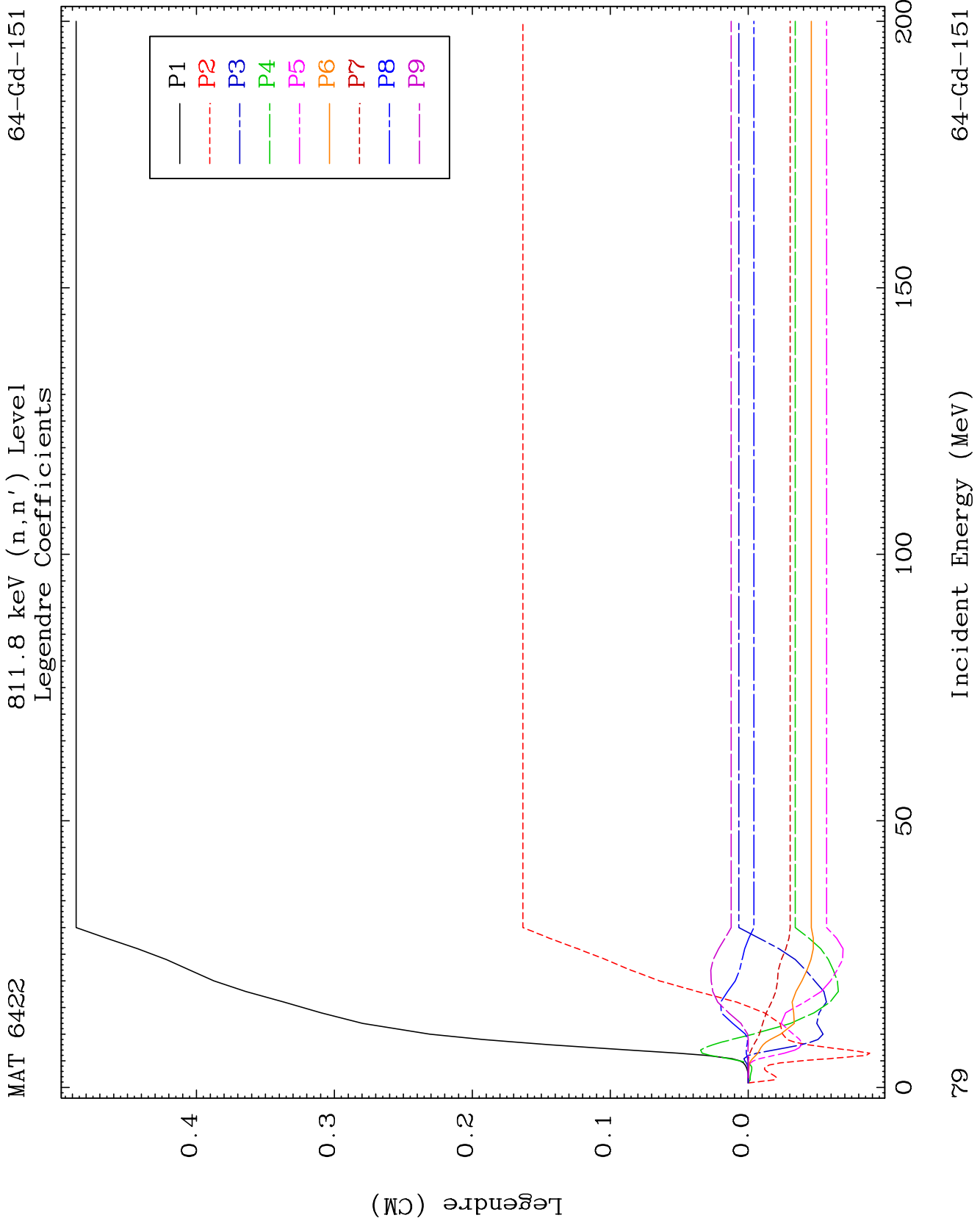
64-Gd-151

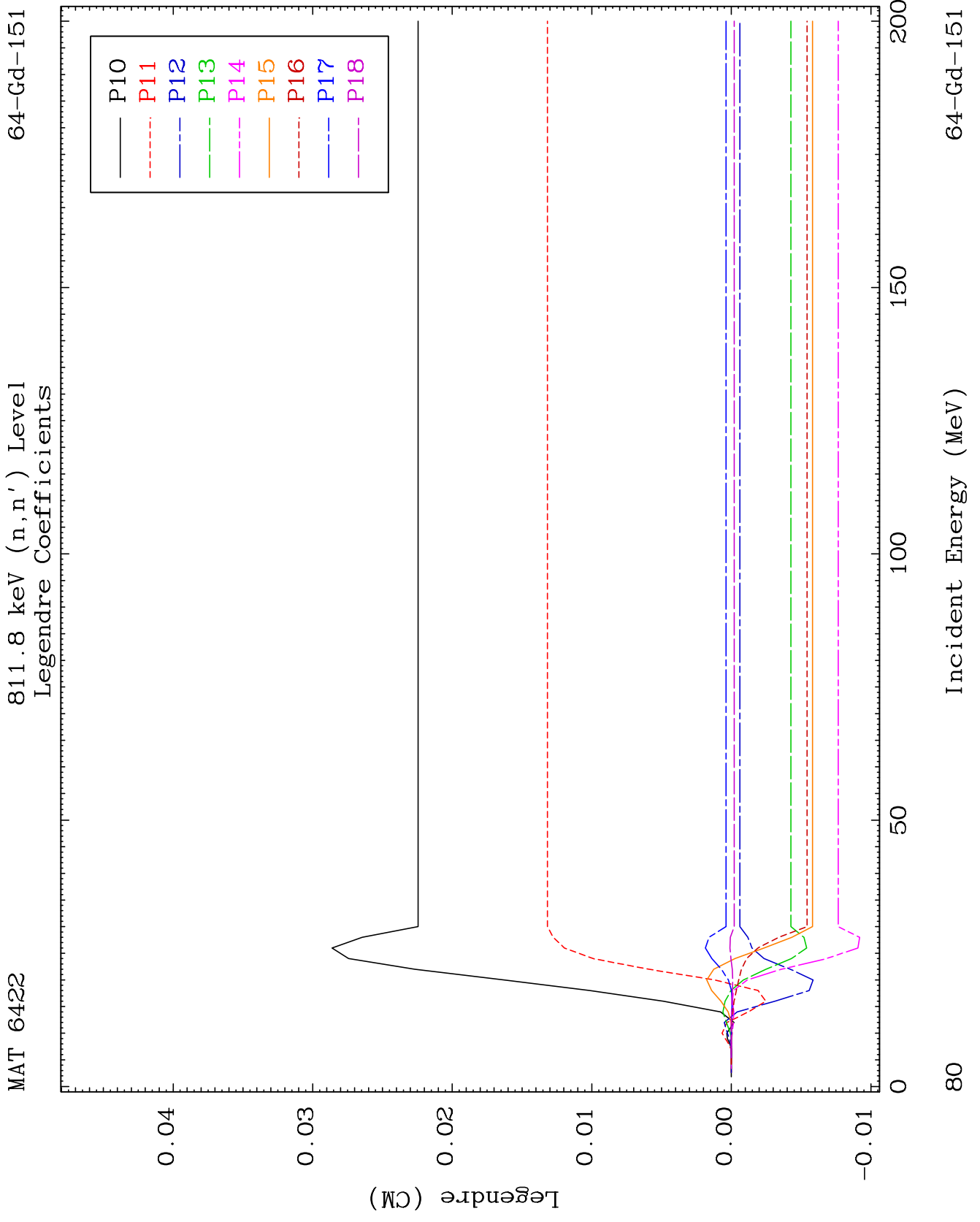
Incident Energy (MeV)

76





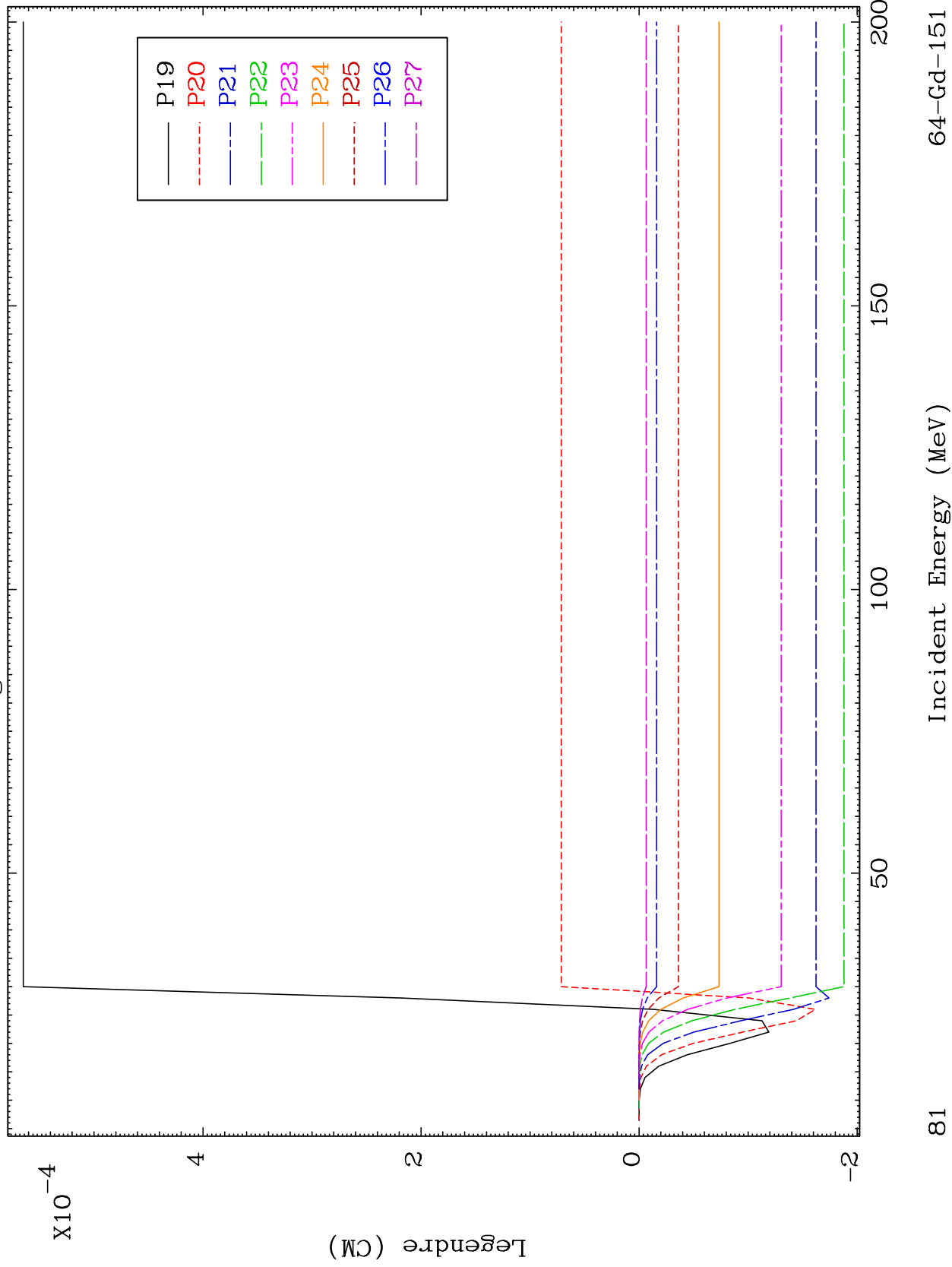


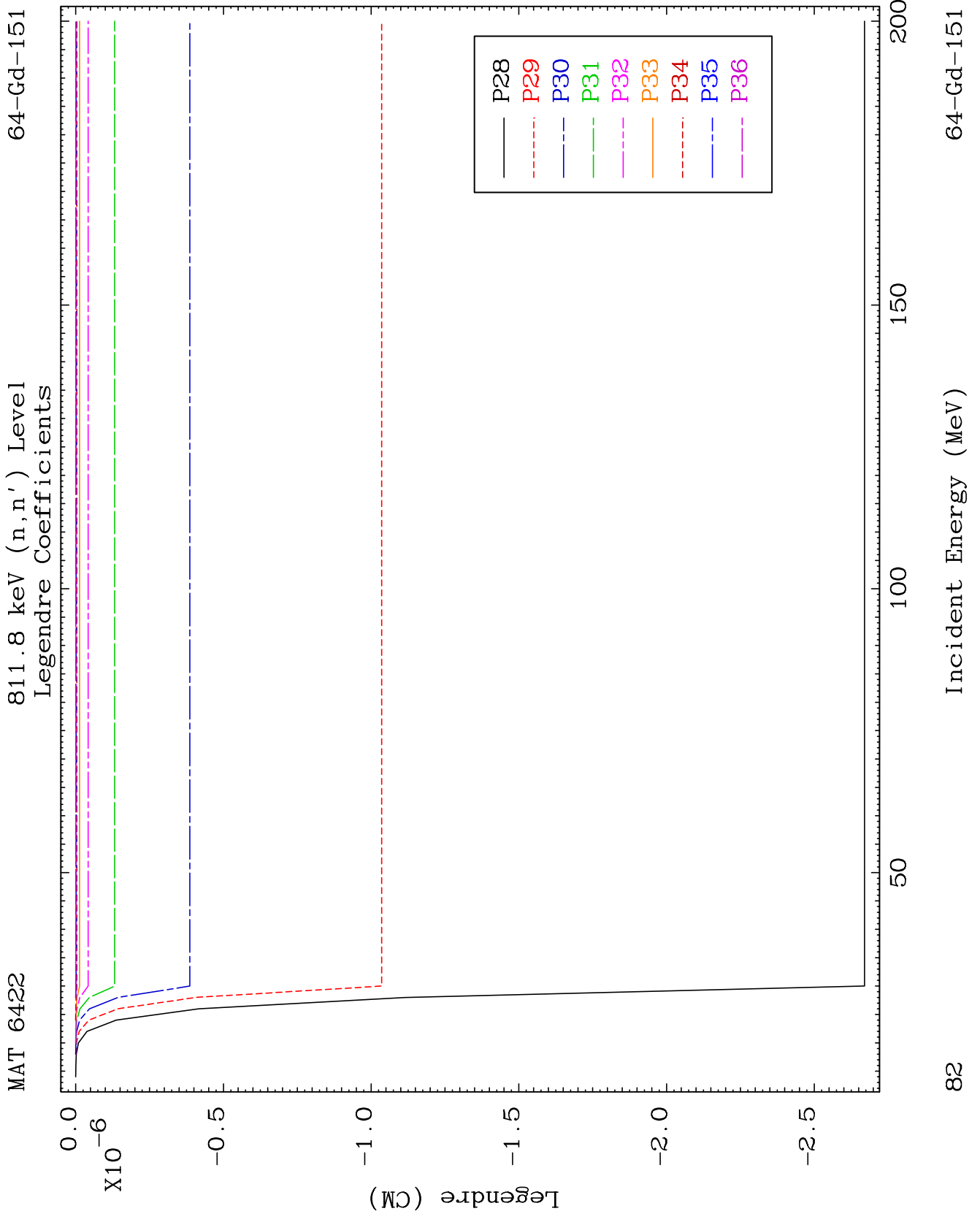


MAT 6422

811.8 keV (n,n') Level
Legendre Coefficients

64-Gd-151

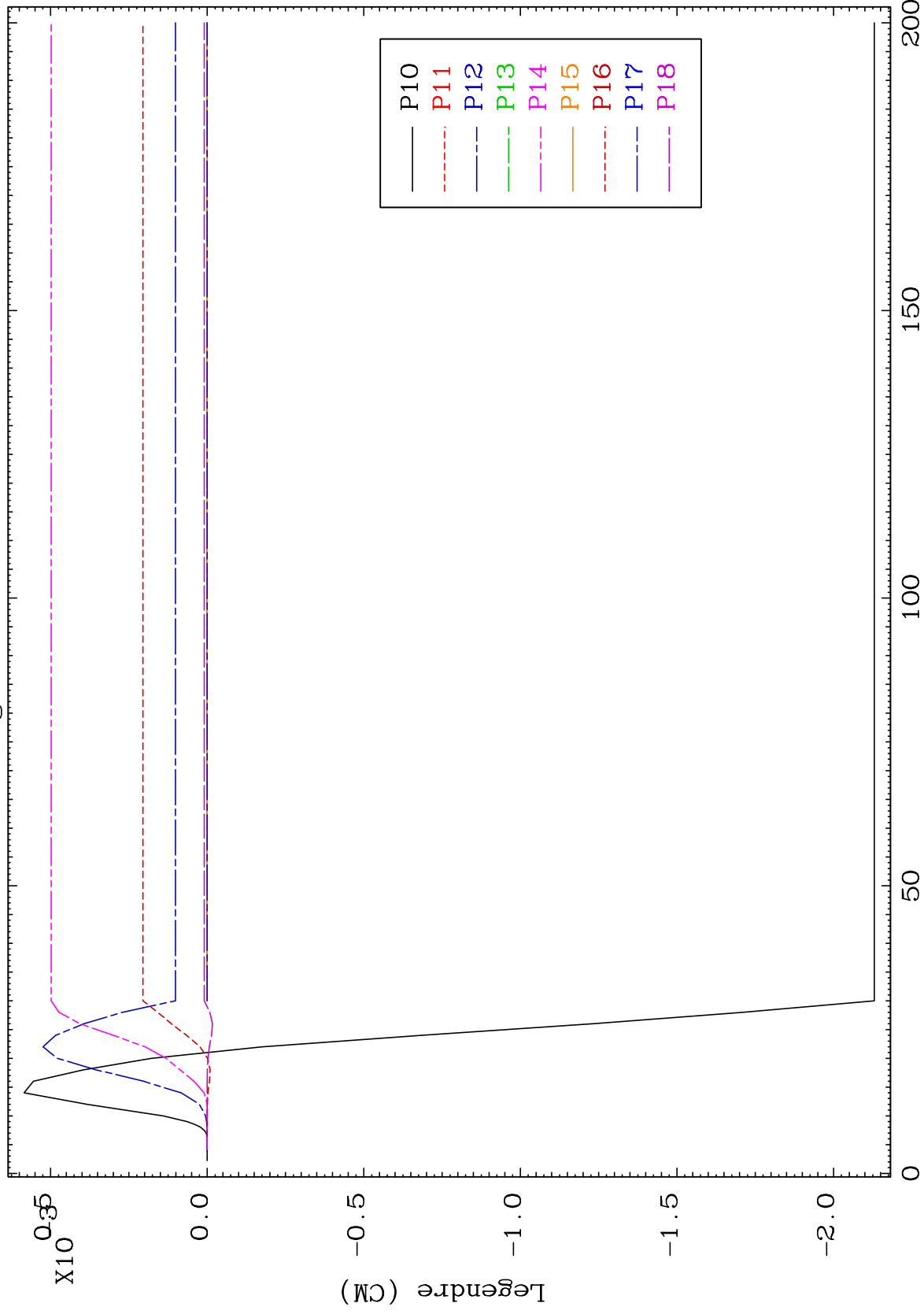




MAT 6422

839.3 keV (n,n') Level
Legendre Coefficients

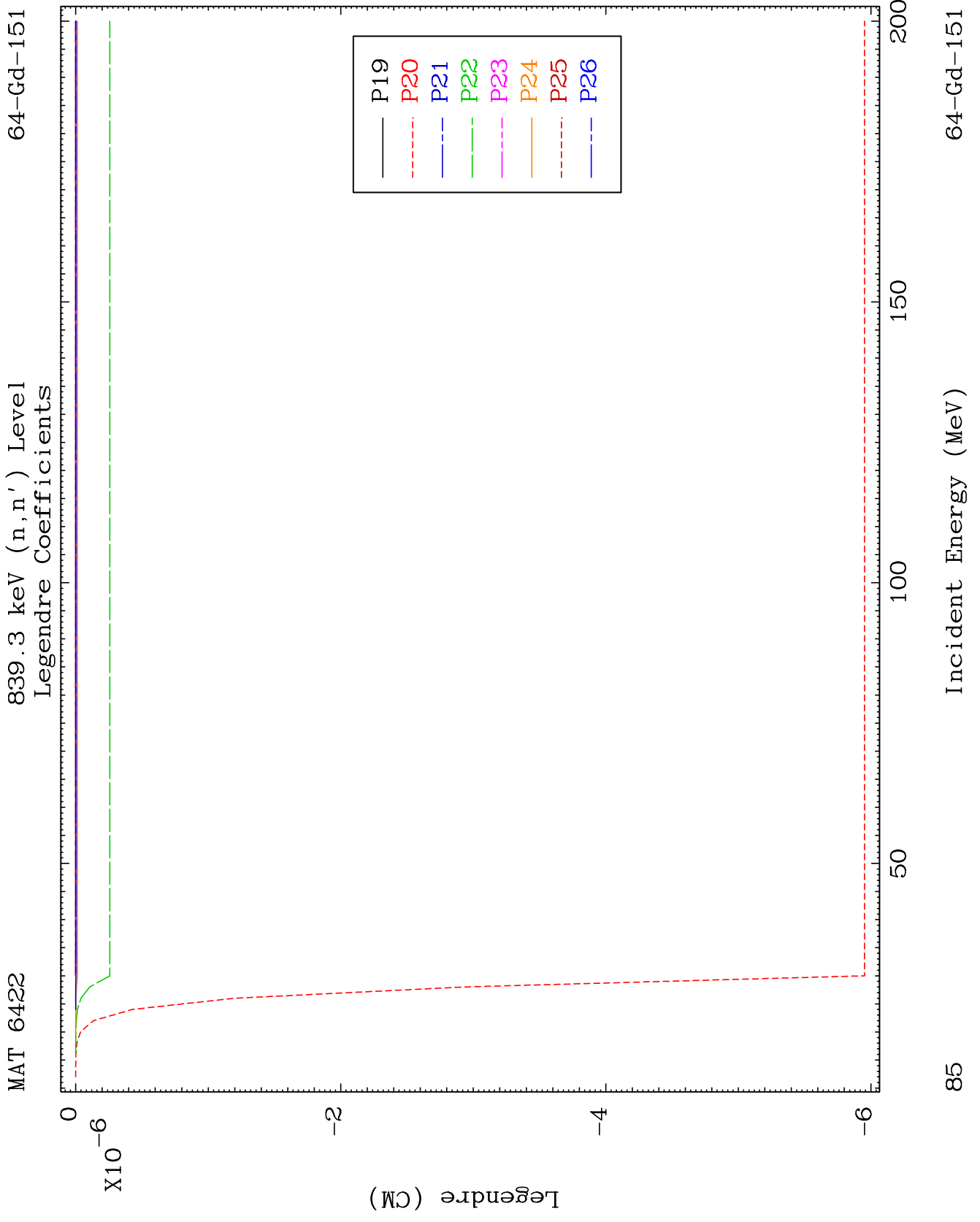
64-Gd-151

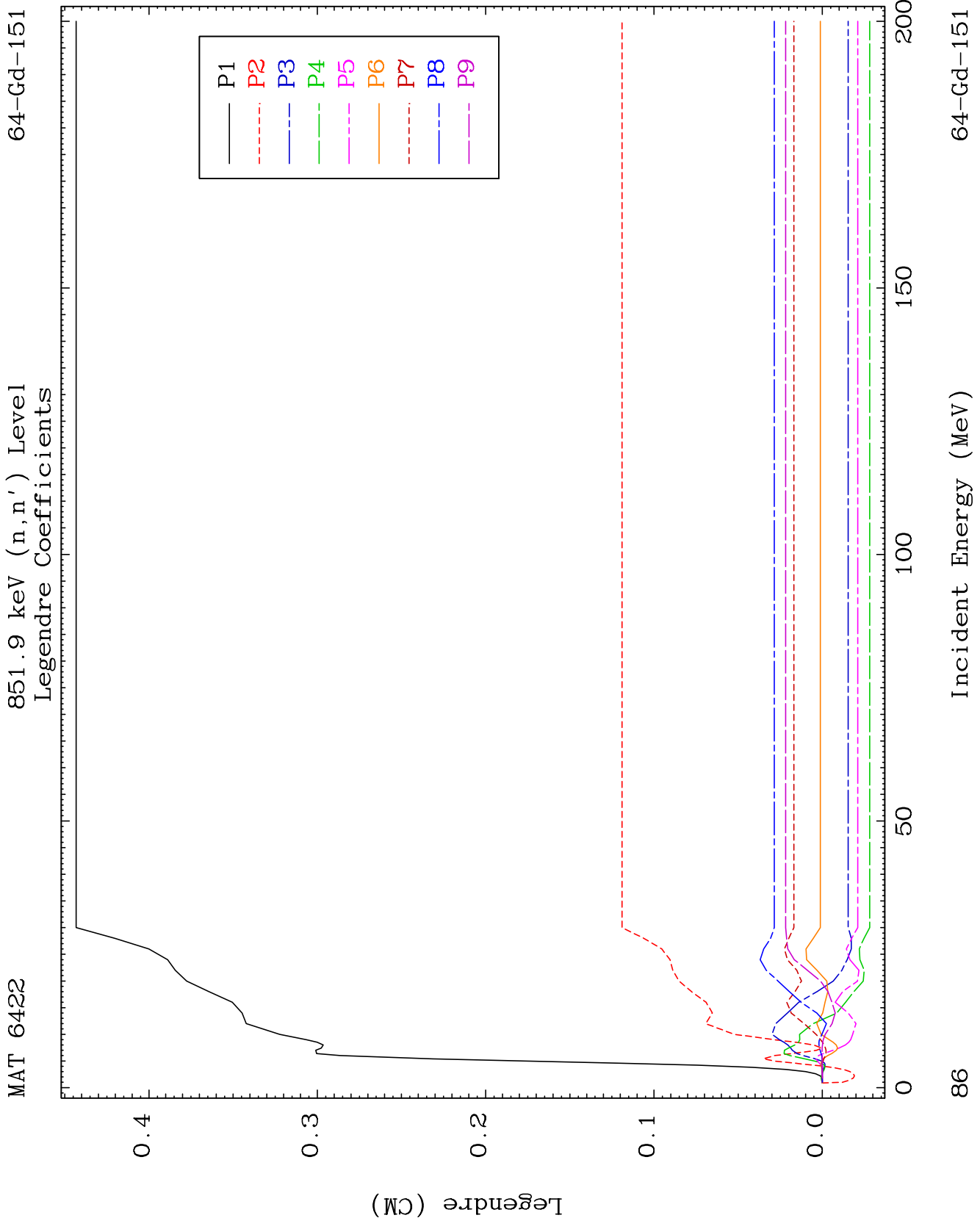


84

Incident Energy (MeV)

64-Gd-151

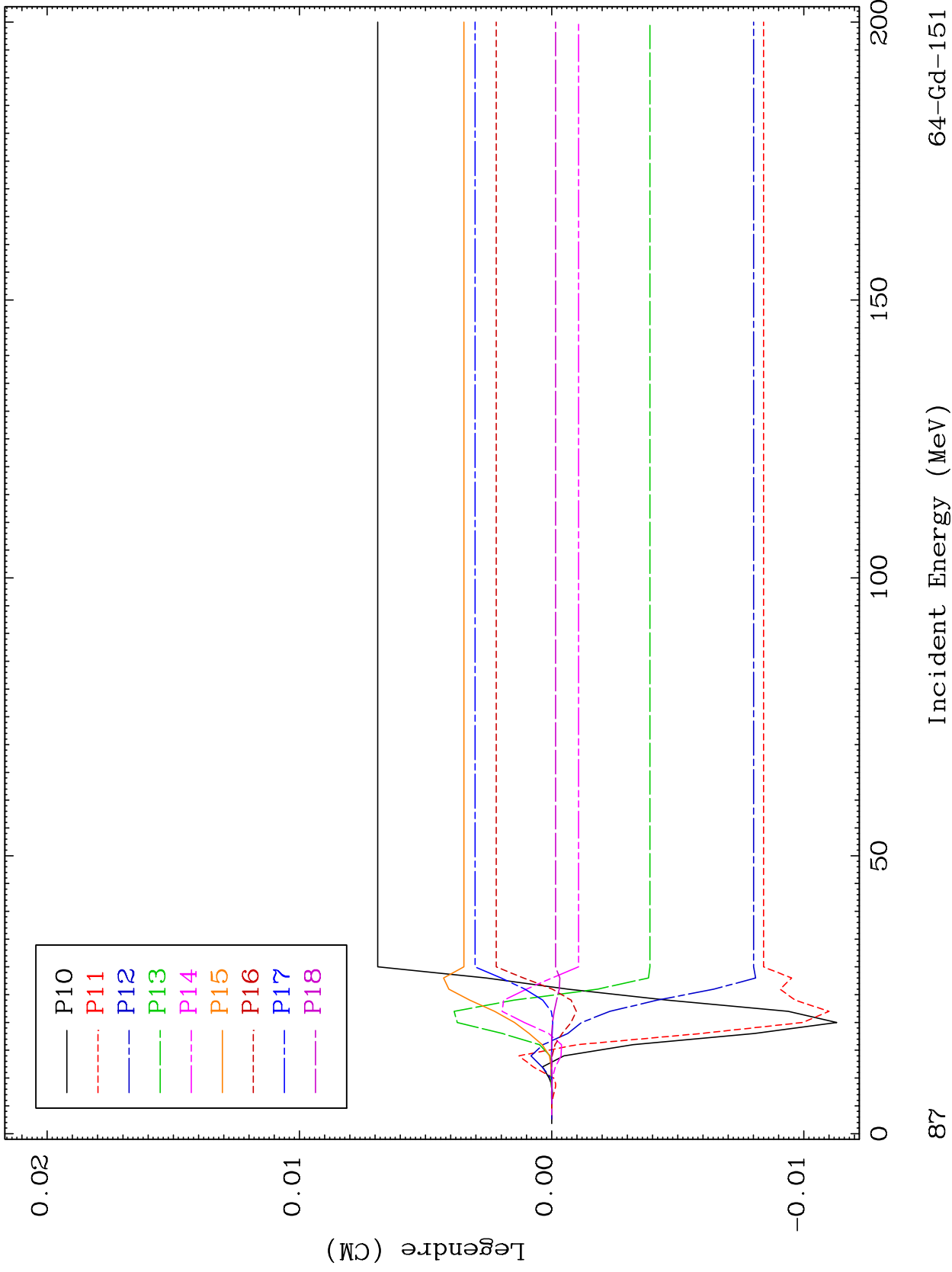


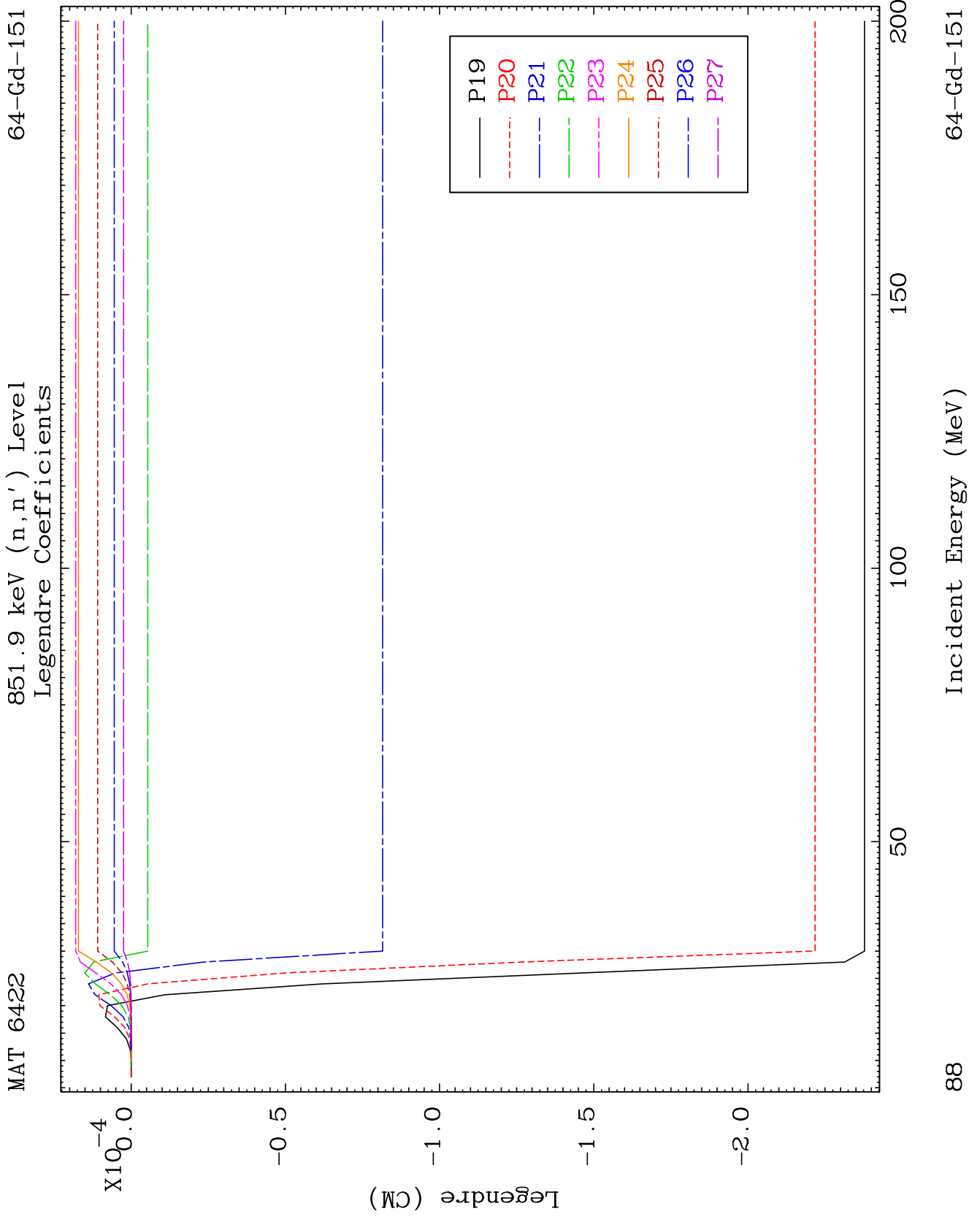


MAT 6422

851.9 keV (n,n') Level
Legendre Coefficients

64-Gd-151

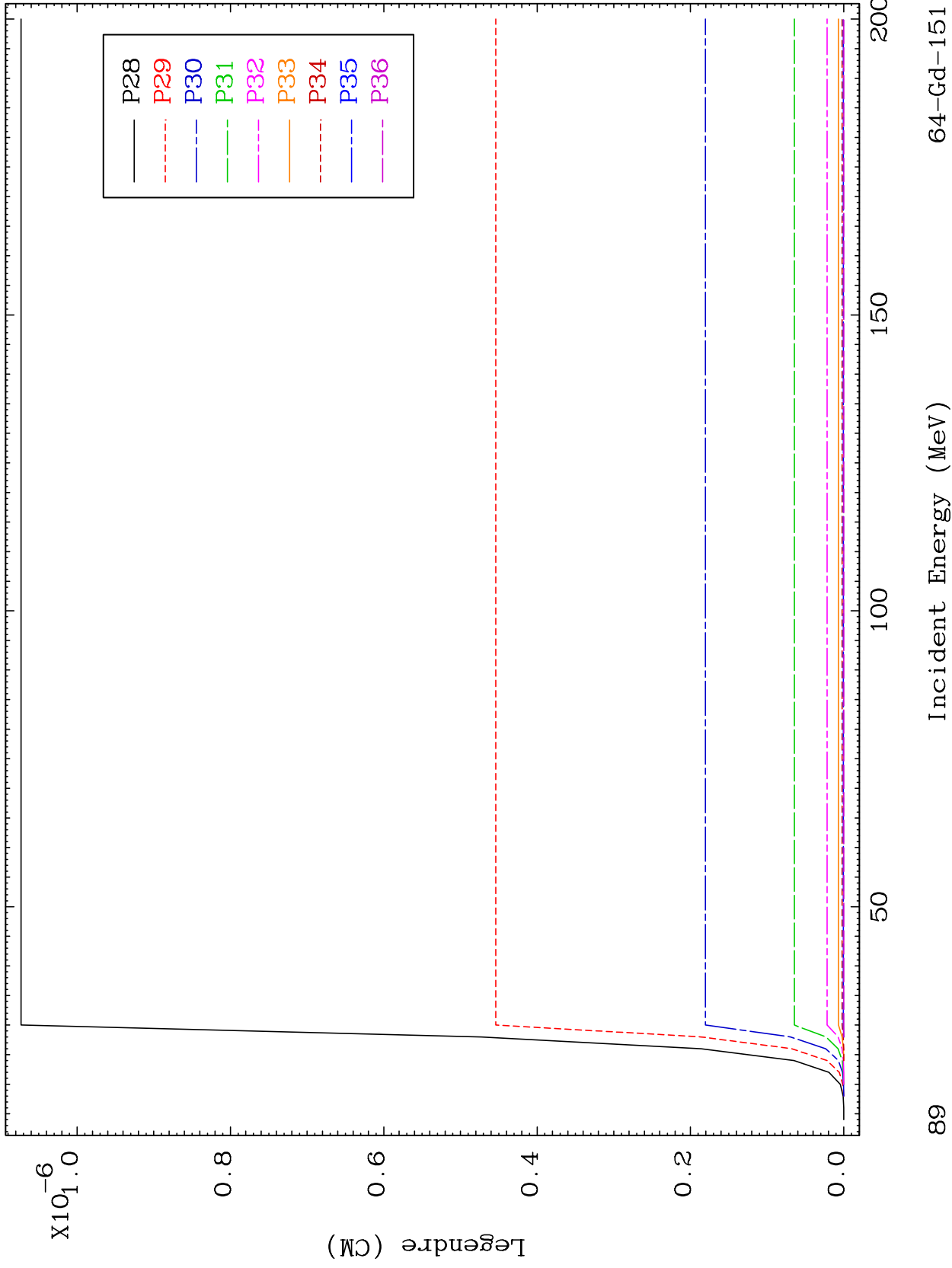




MAT 6422

851.9 keV (n,n') Level
Legendre Coefficients

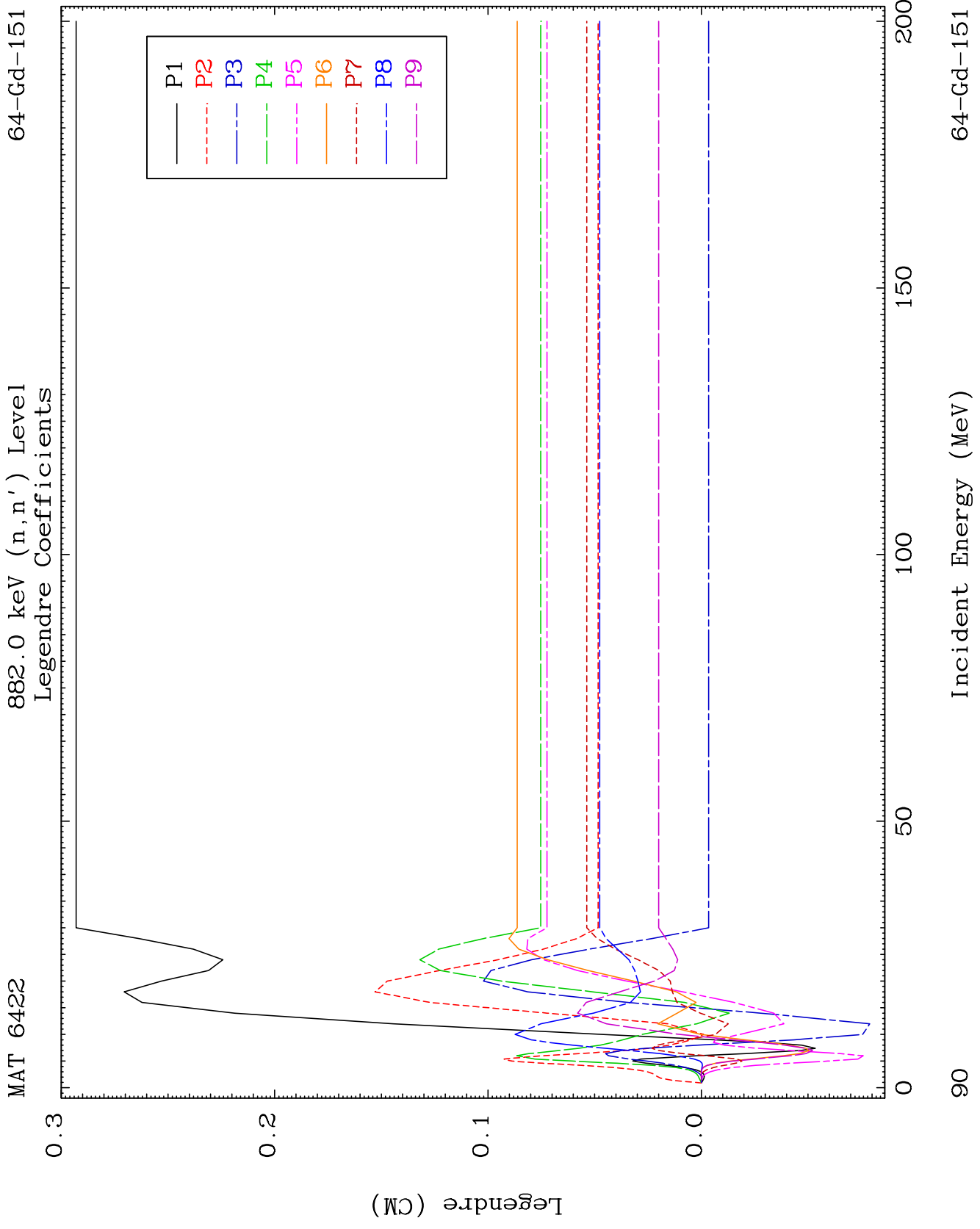
64-Gd-151



89

Incident Energy (MeV)

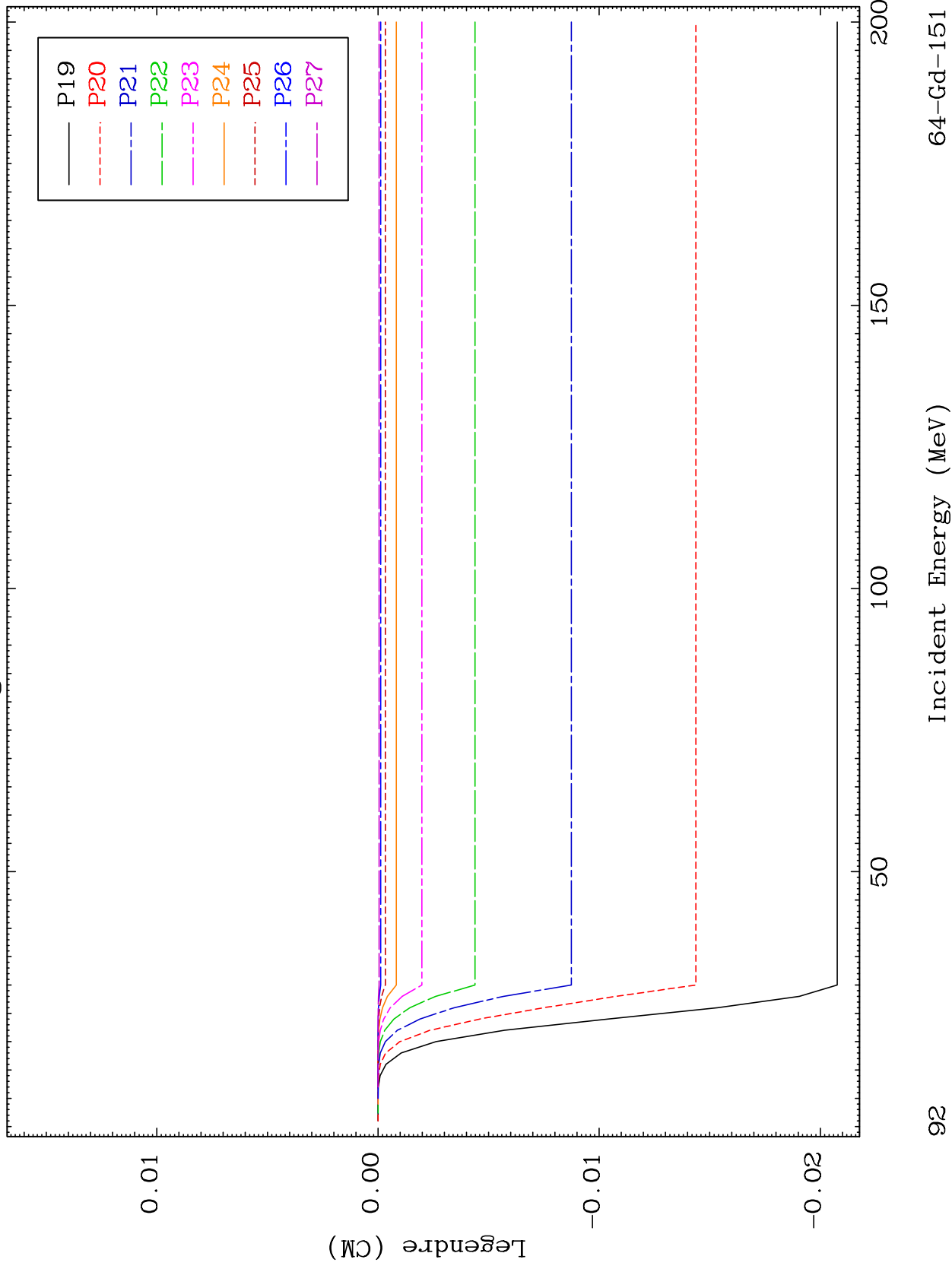
64-Gd-151



MAT 6422

882.0 keV (n,n') Level
Legendre Coefficients

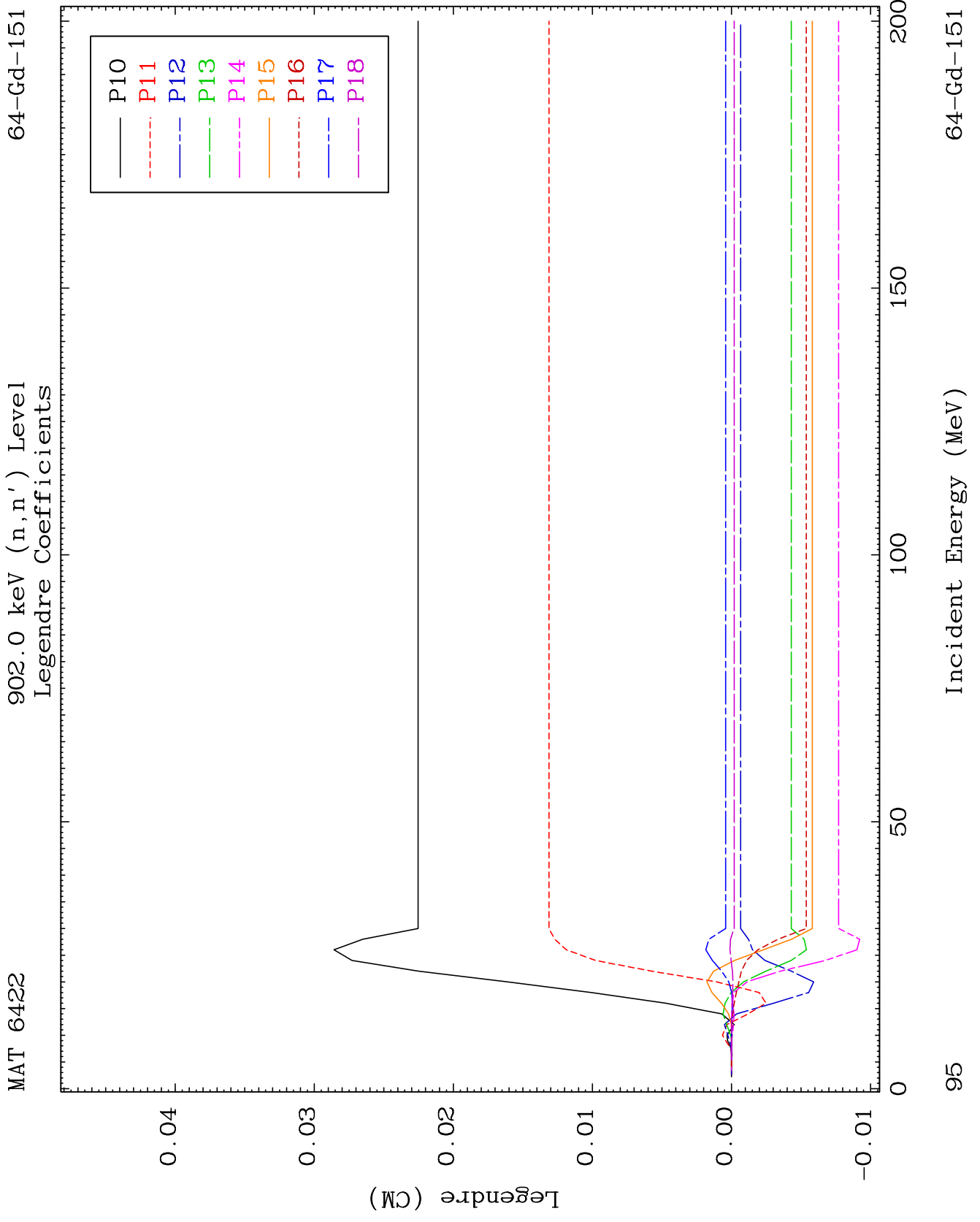
64-Gd-151



92

Incident Energy (MeV)

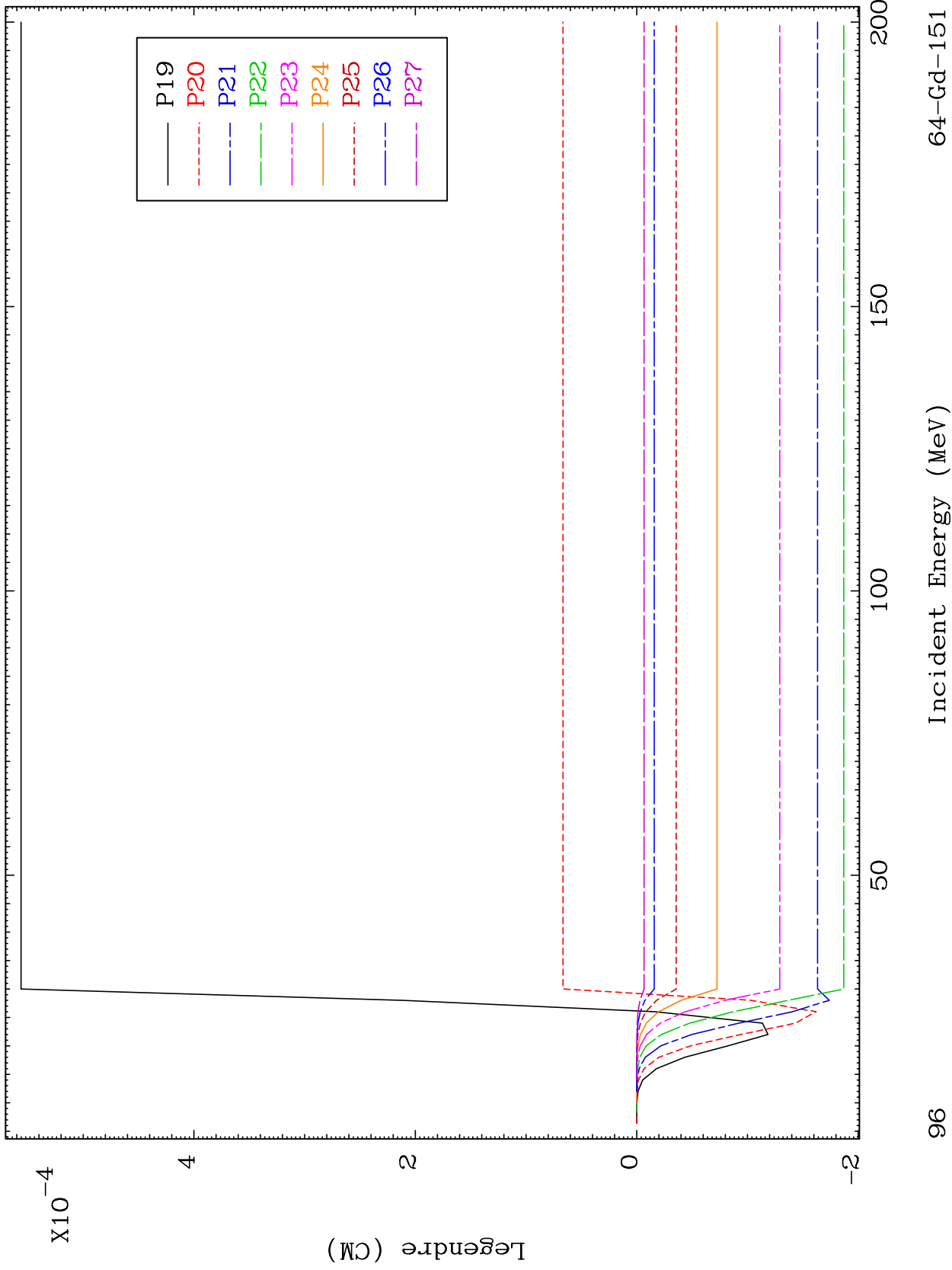
64-Gd-151

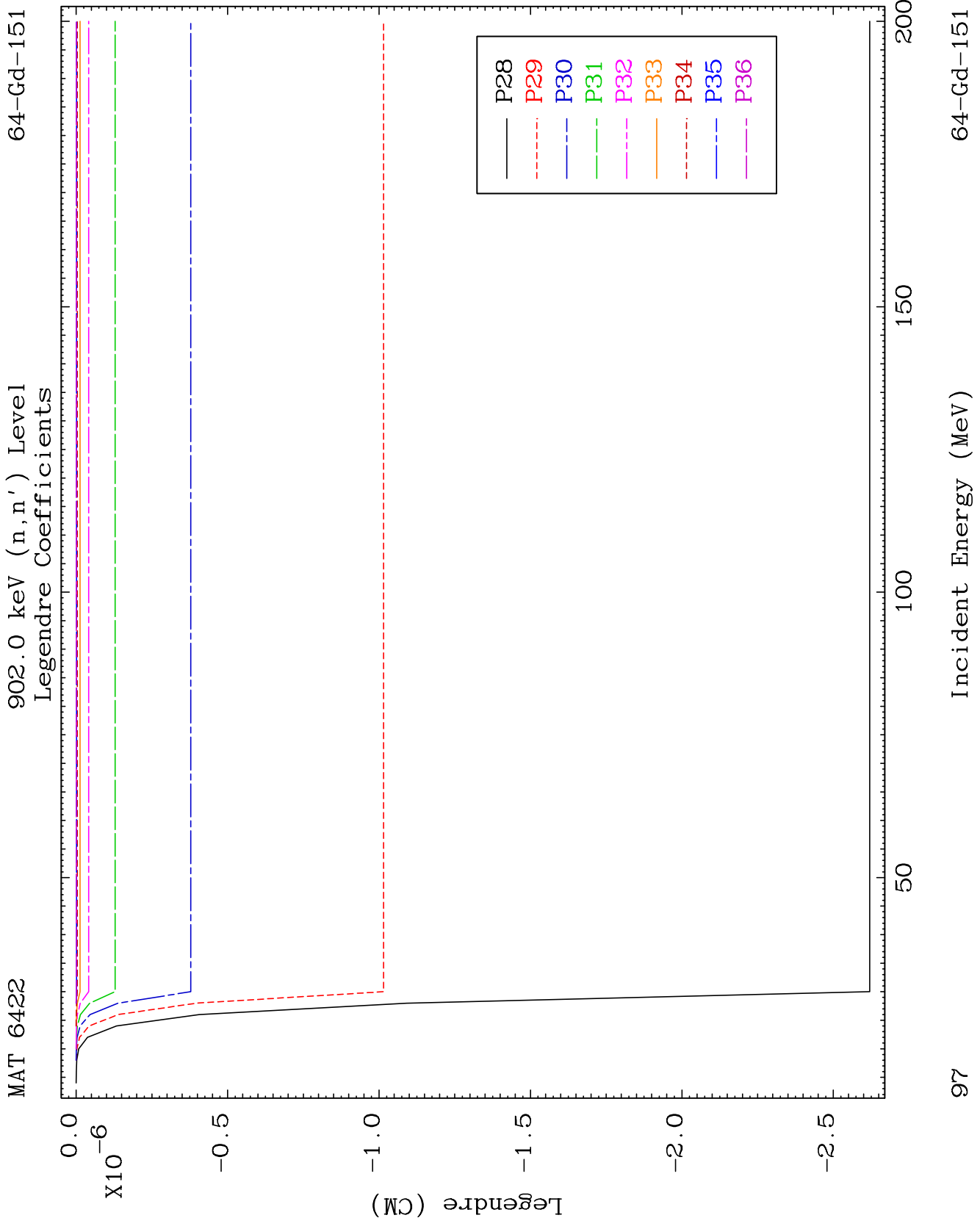


MAT 6422

902.0 keV (n,n') Level
Legendre Coefficients

64-Gd-151

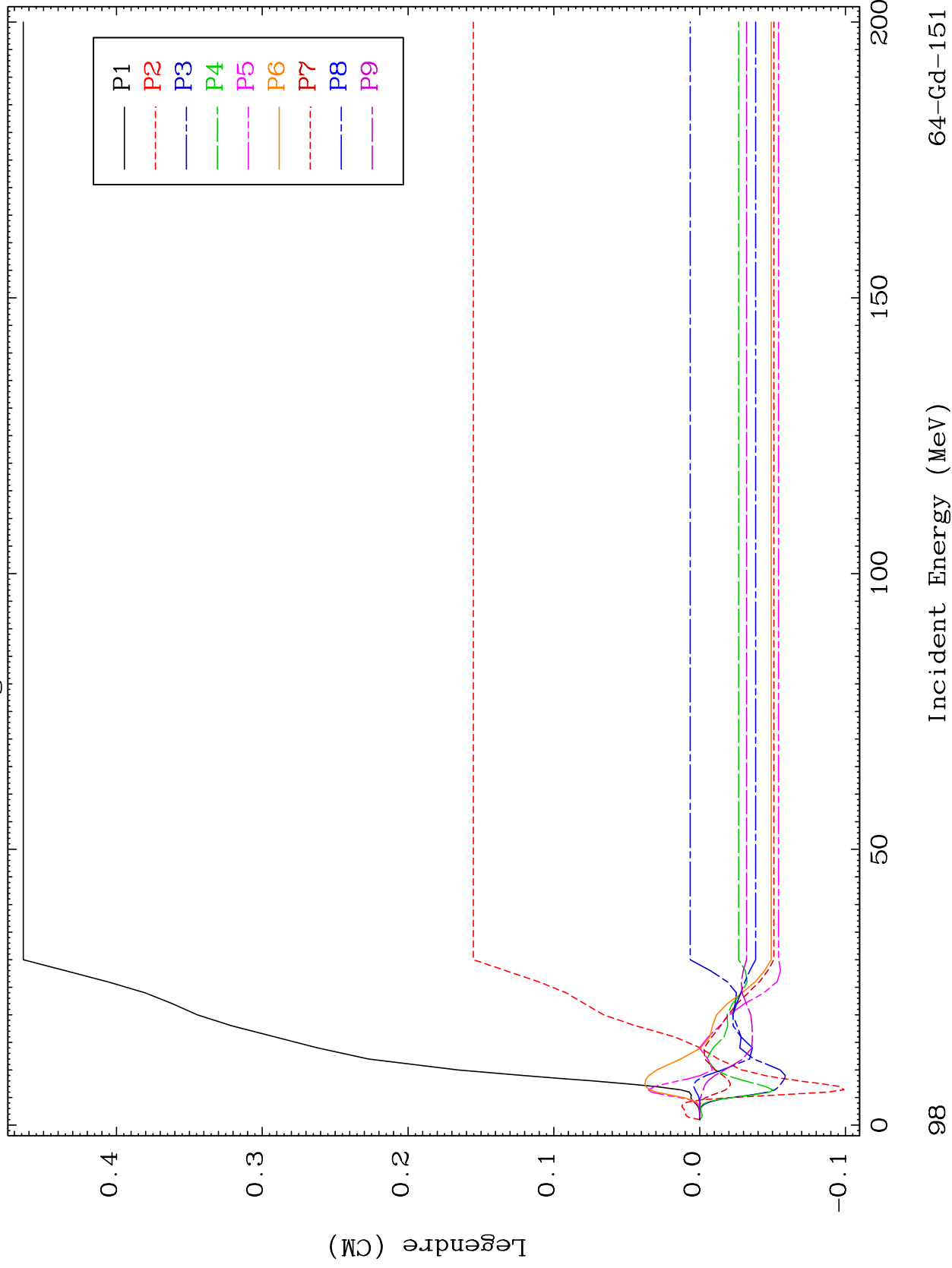




MAT 6422

905.6 keV (n,n') Level
Legendre Coefficients

64-Gd-151



98

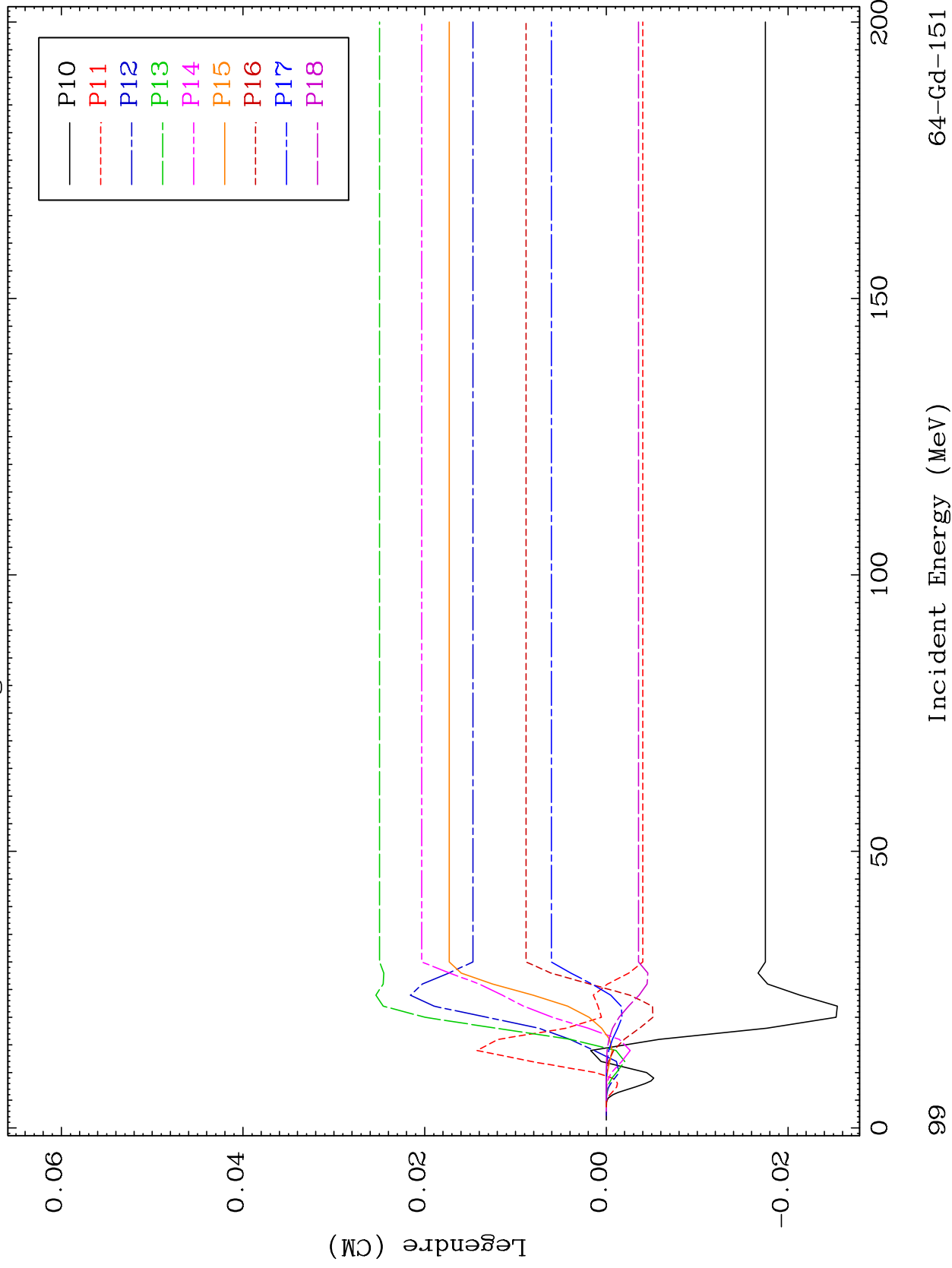
Incident Energy (MeV)

64-Gd-151

MAT 6422

905.6 keV (n,n') Level
Legendre Coefficients

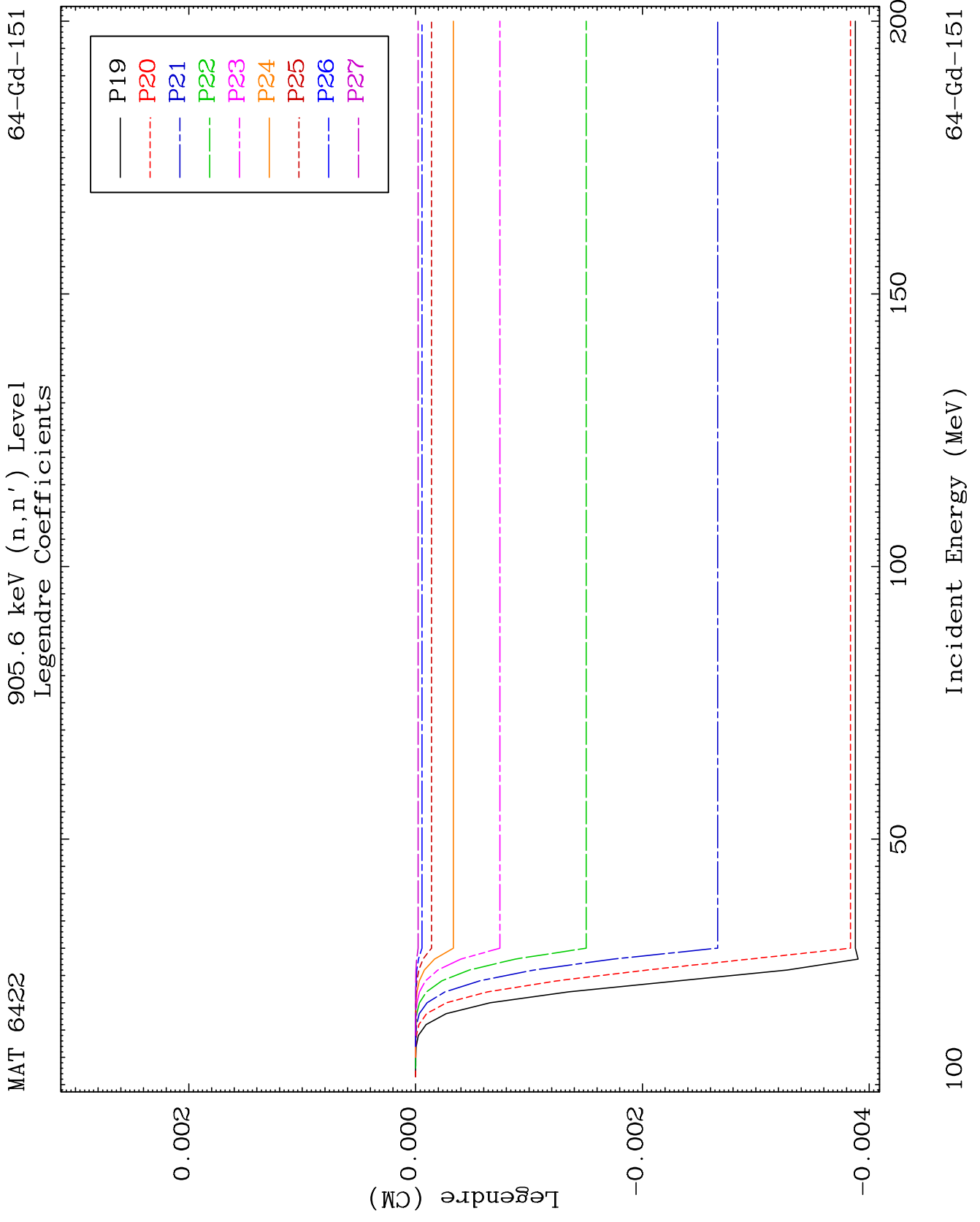
64-Gd-151

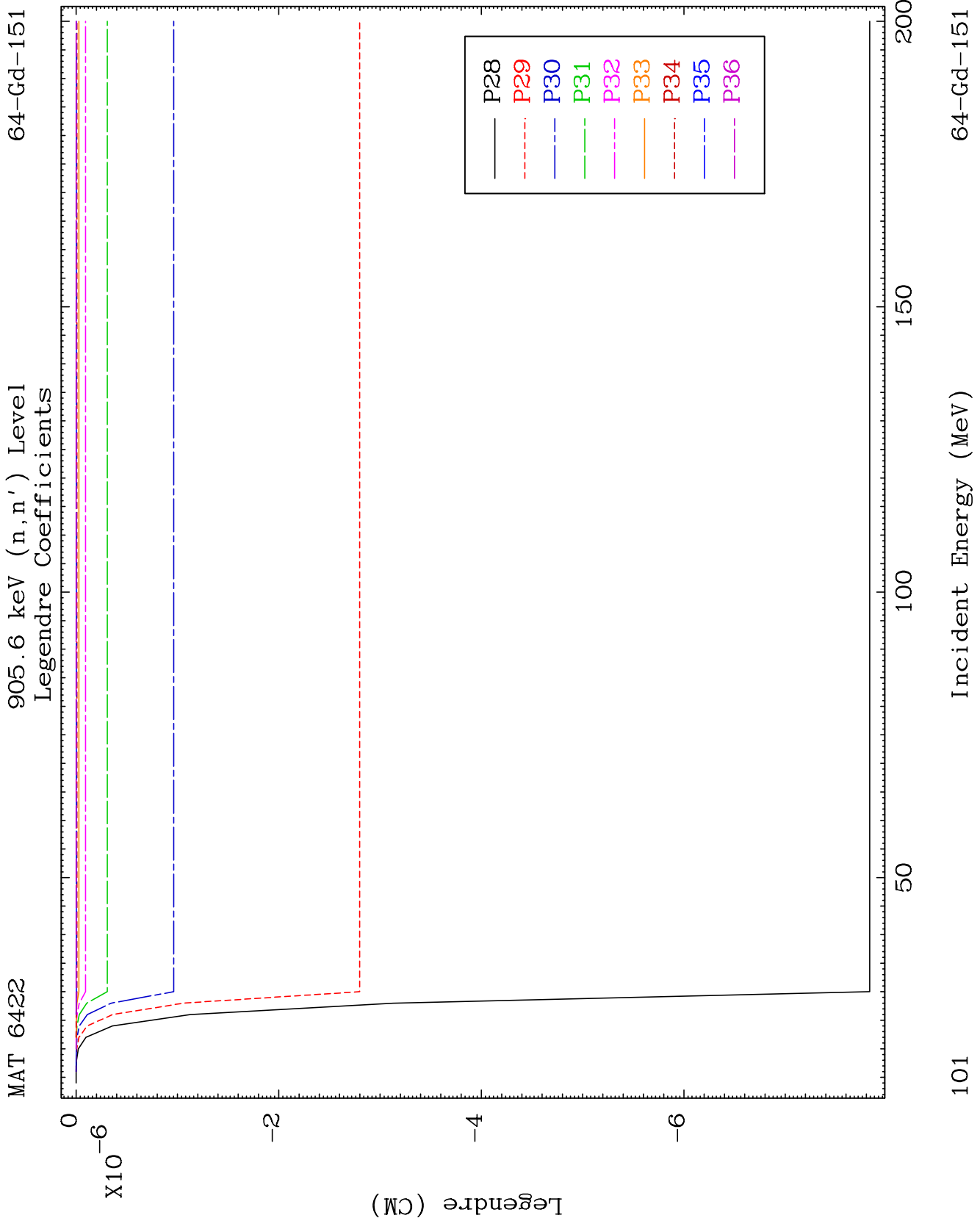


64-Gd-151

Incident Energy (MeV)

99

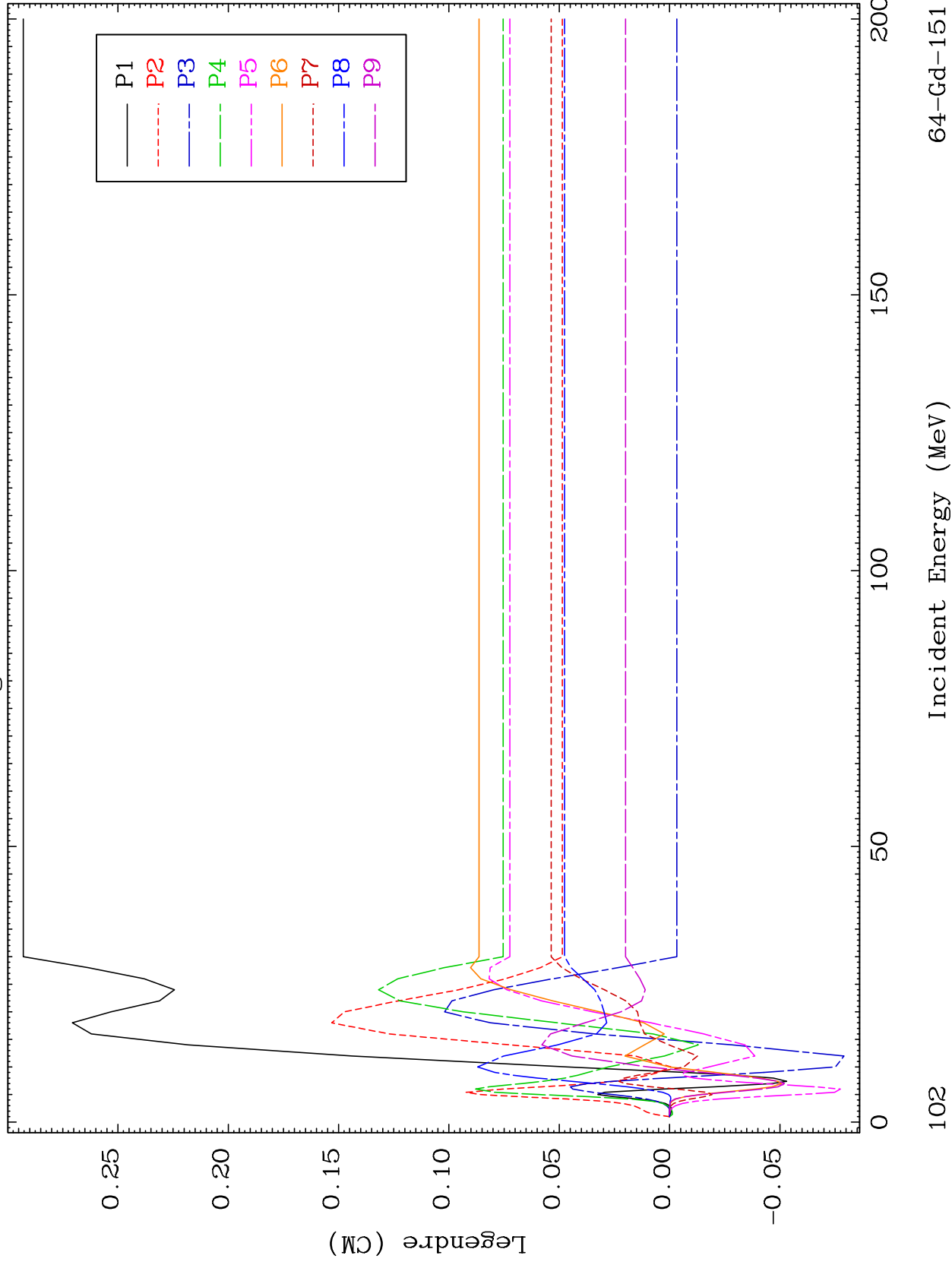




MAT 6422

913.0 keV (n,n') Level
Legendre Coefficients

64-Gd-151



64-Gd-151

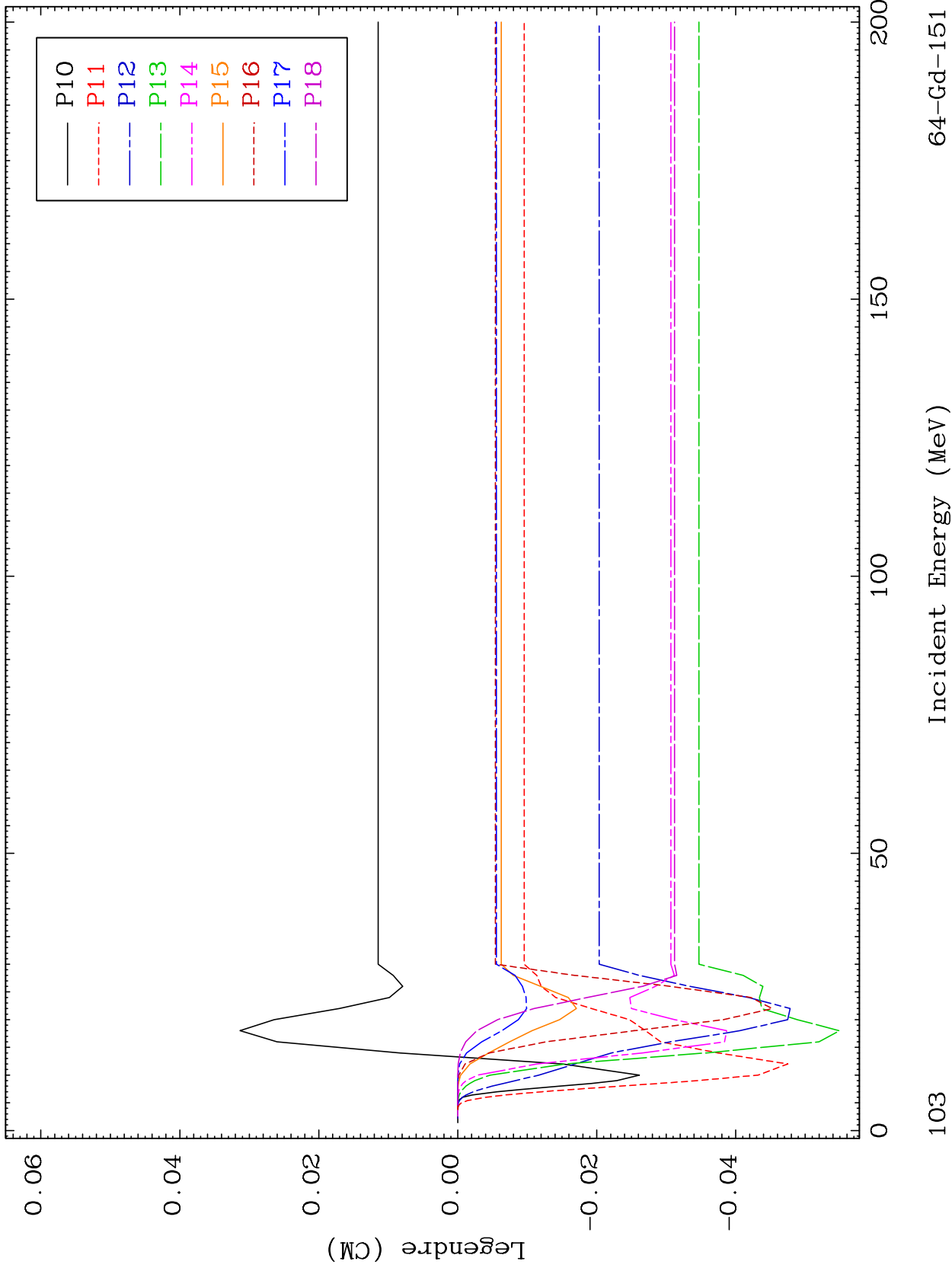
Incident Energy (MeV)

102

MAT 6422

913.0 keV (n,n') Level
Legendre Coefficients

64-Gd-151



64-Gd-151

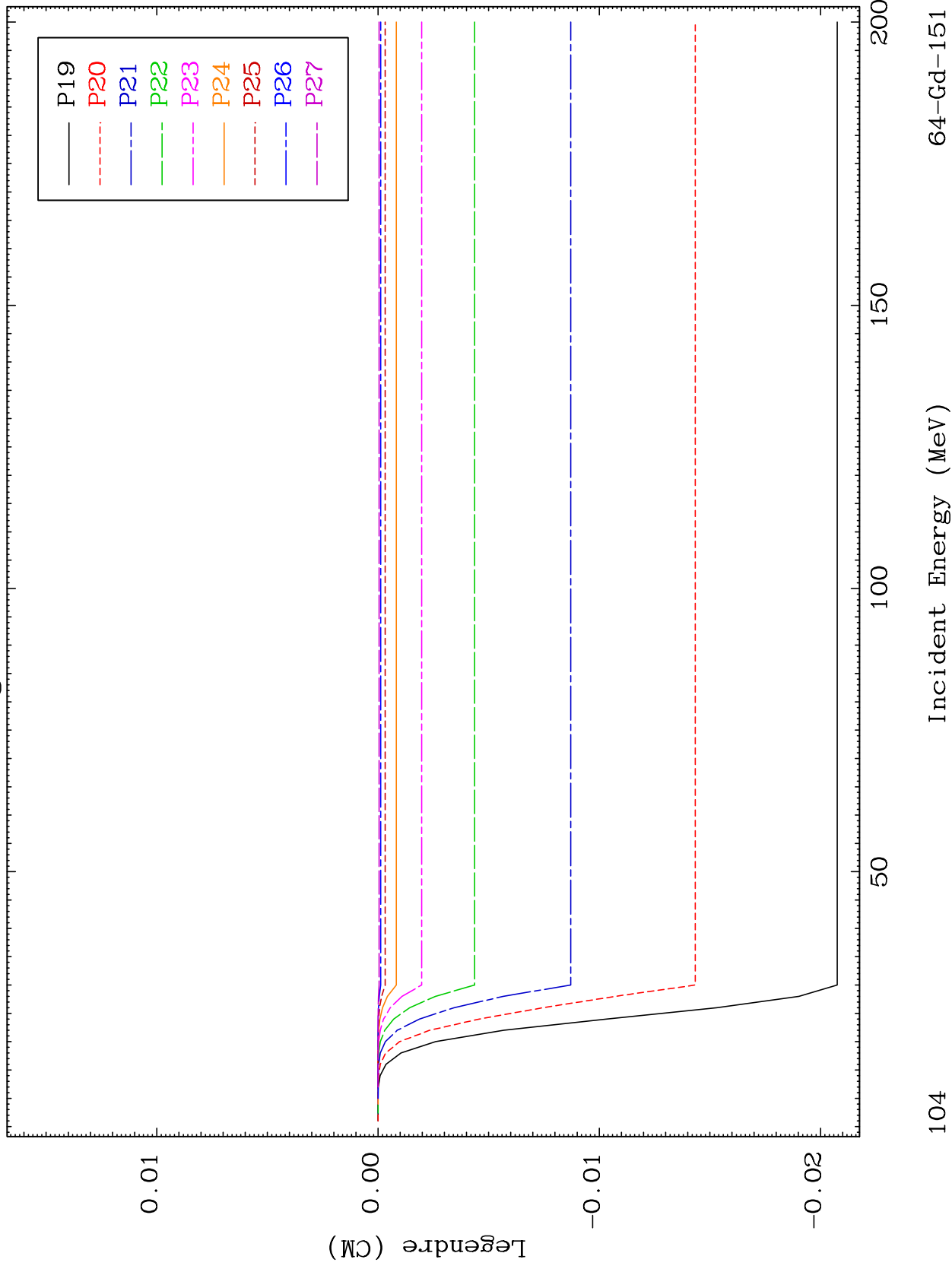
Incident Energy (MeV)

103

MAT 6422

913.0 keV (n,n') Level
Legendre Coefficients

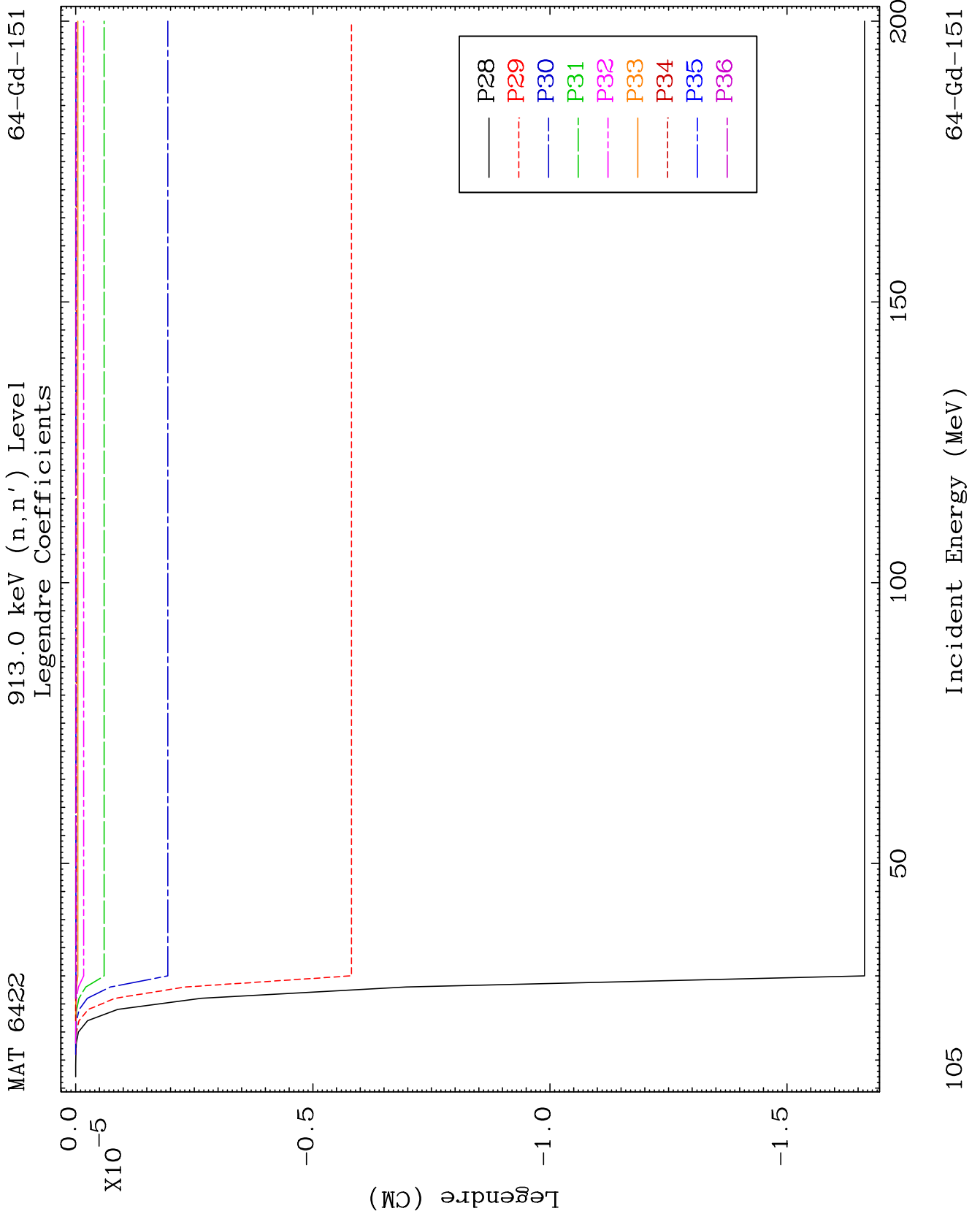
64-Gd-151

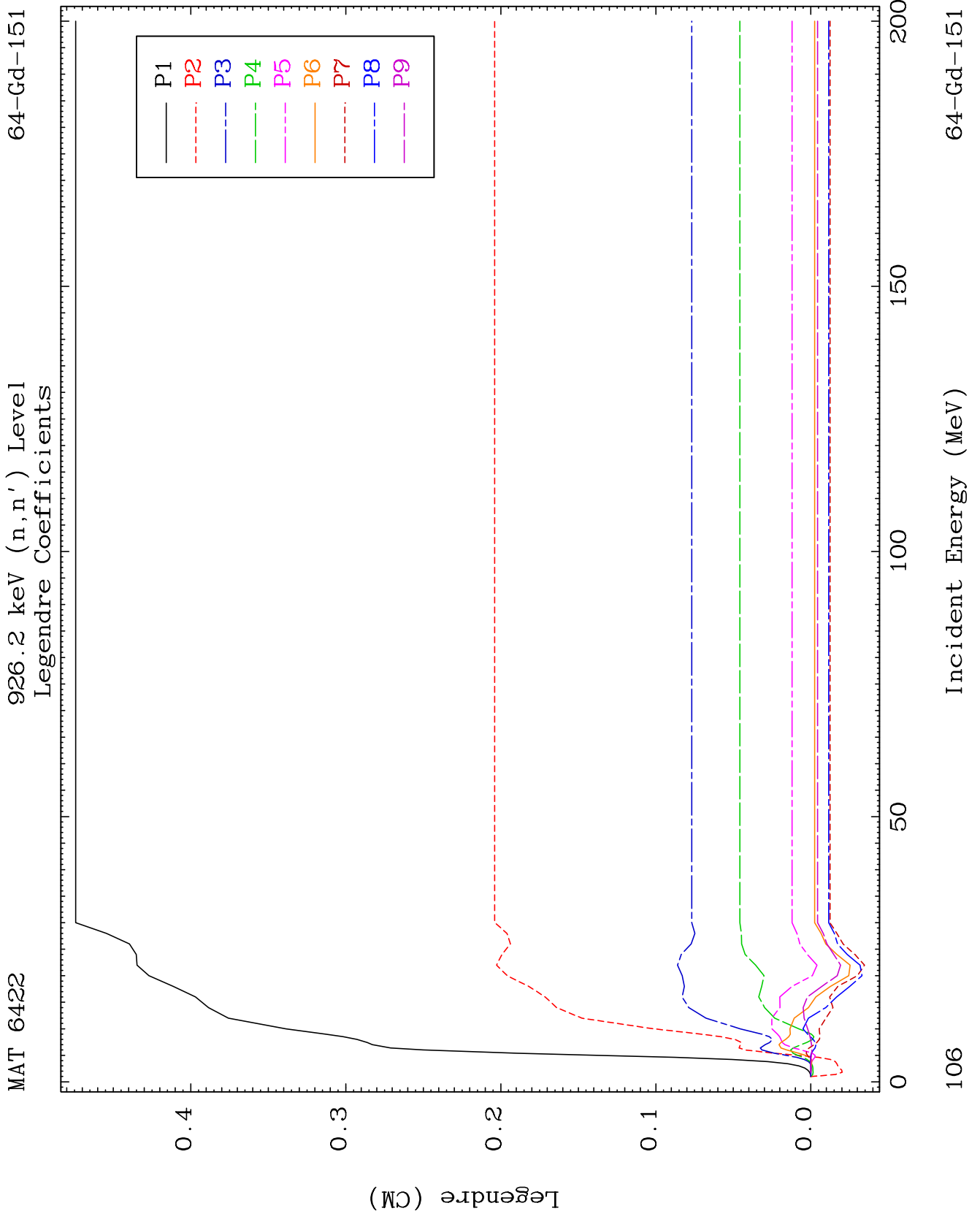


104

Incident Energy (MeV)

64-Gd-151

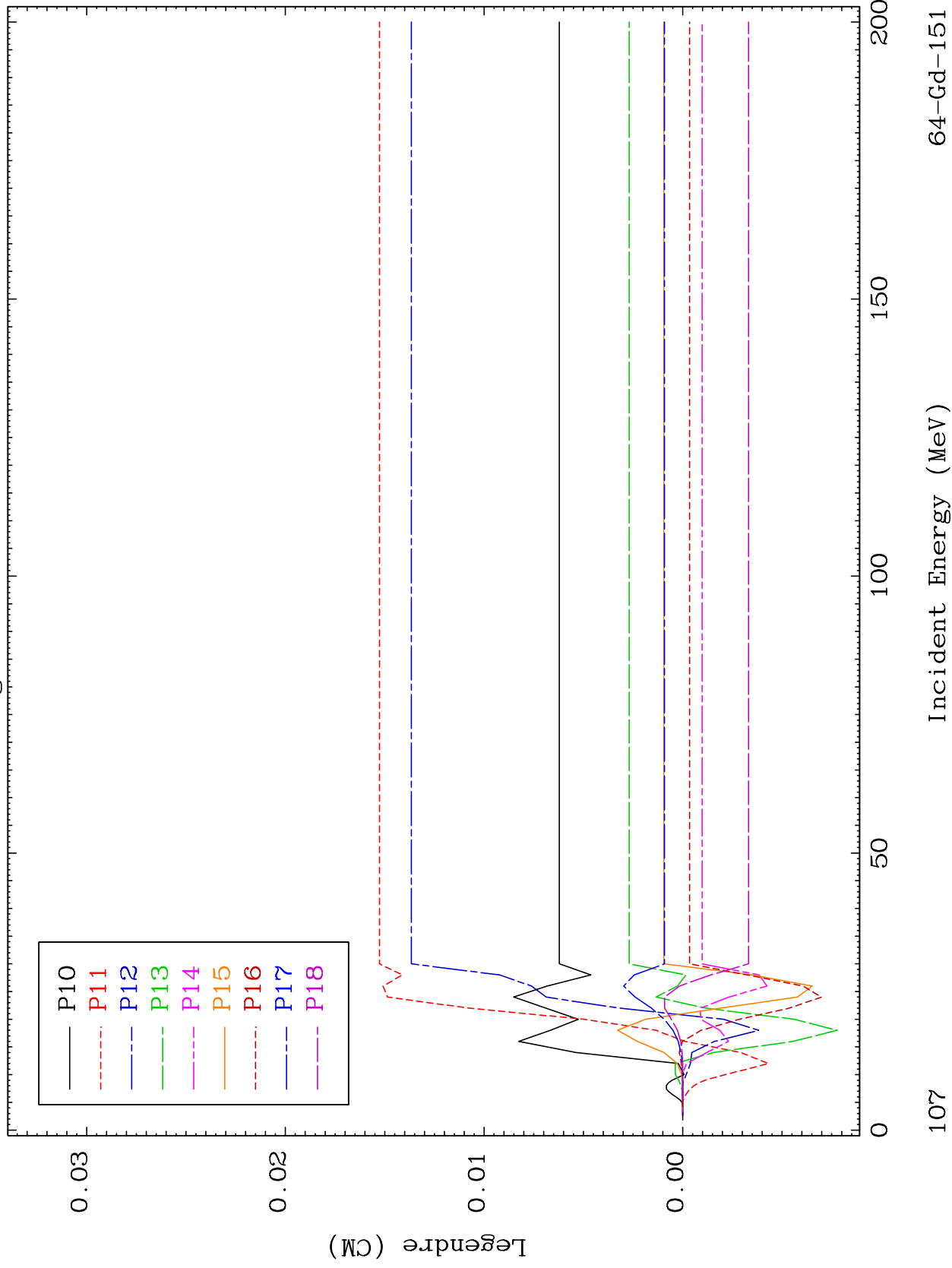




MAT 6422

926.2 keV (n,n') Level
Legendre Coefficients

64-Gd-151



64-Gd-151

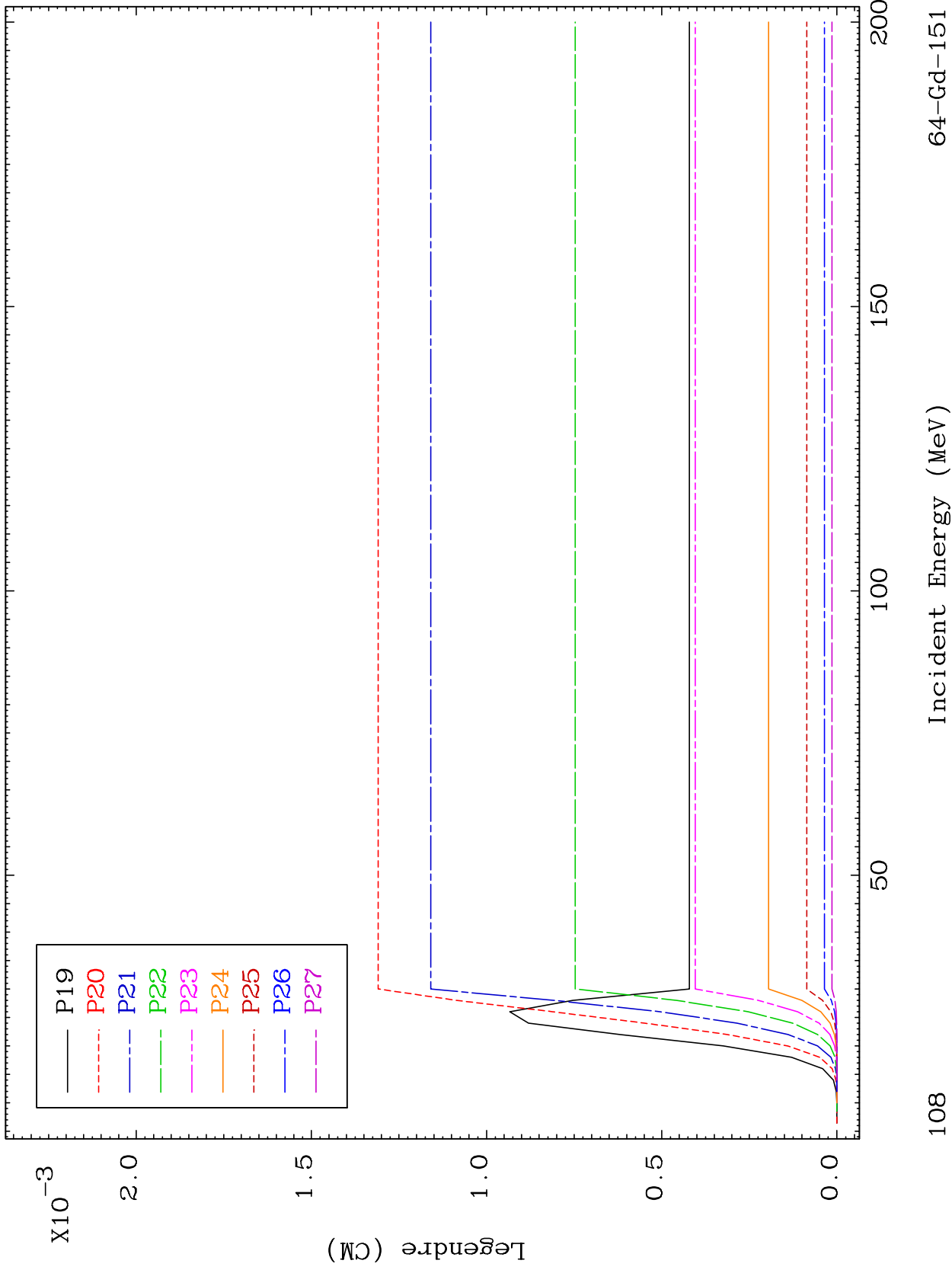
Incident Energy (MeV)

107

MAT 6422

926.2 keV (n,n') Level
Legendre Coefficients

64-Gd-151



108

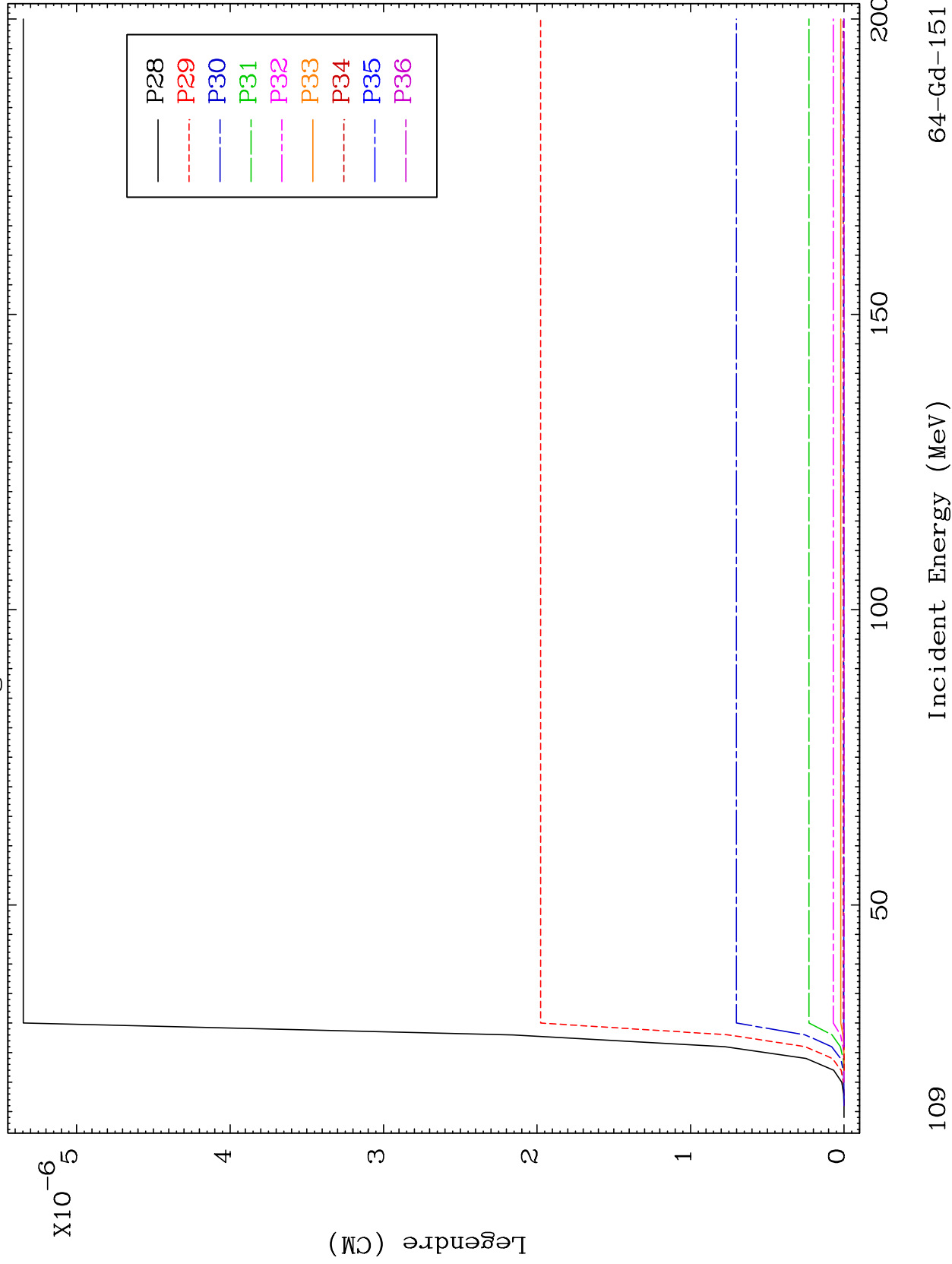
Incident Energy (MeV)

64-Gd-151

MAT 6422

926.2 keV (n,n') Level
Legendre Coefficients

64-Gd-151



109

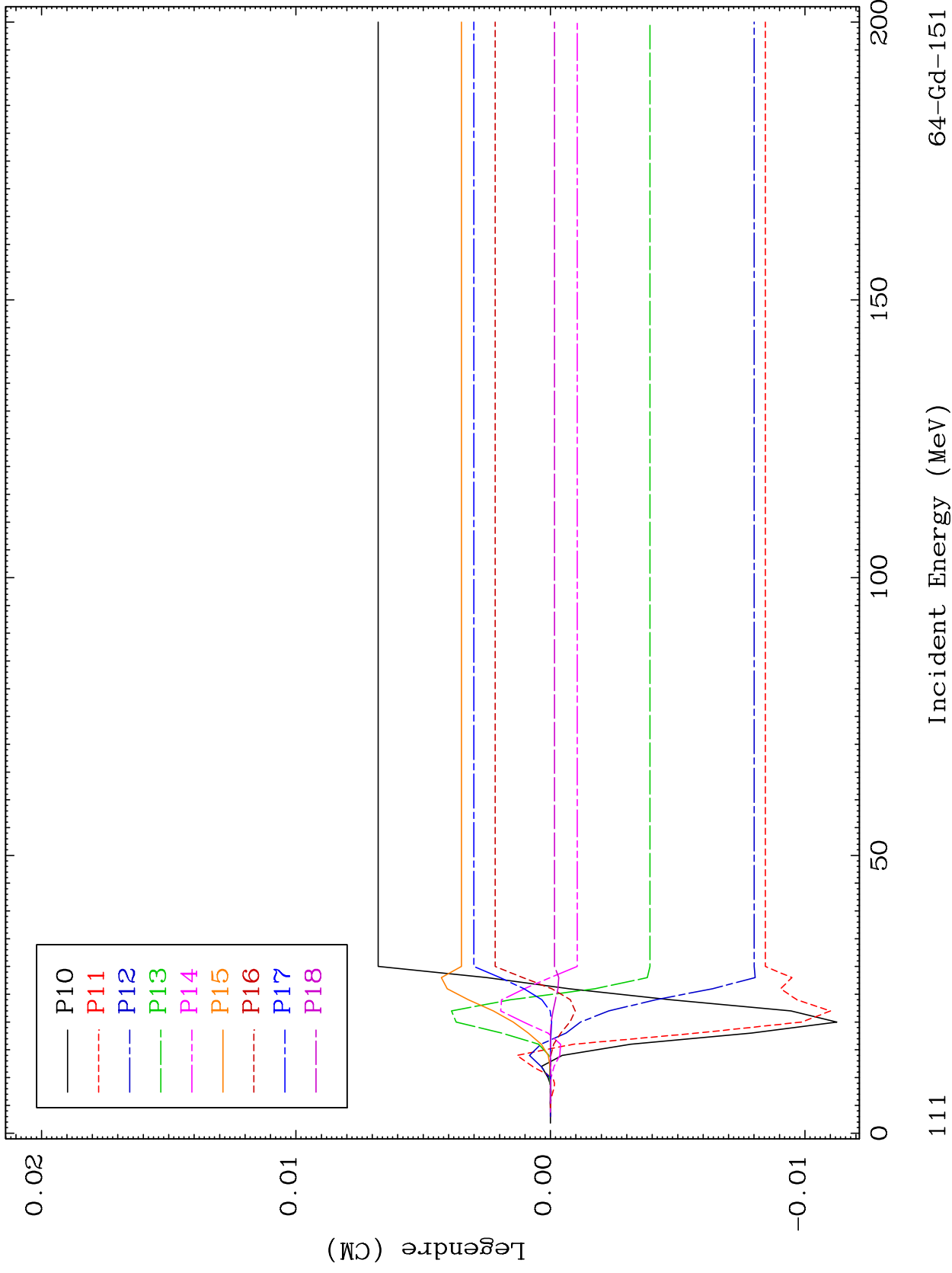
Incident Energy (MeV)

64-Gd-151

MAT 6422

938.8 keV (n,n') Level
Legendre Coefficients

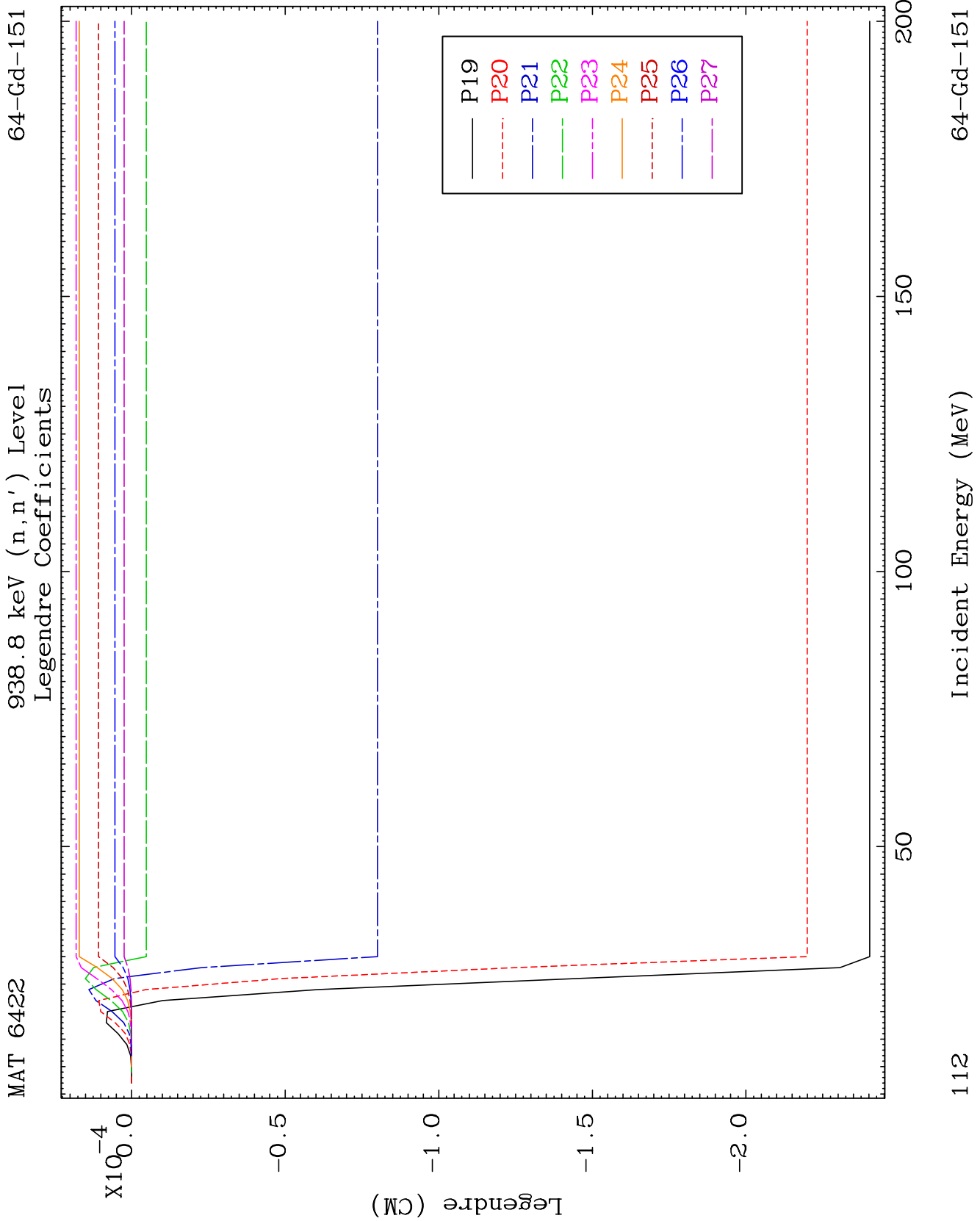
64-Gd-151



111

Incident Energy (MeV)

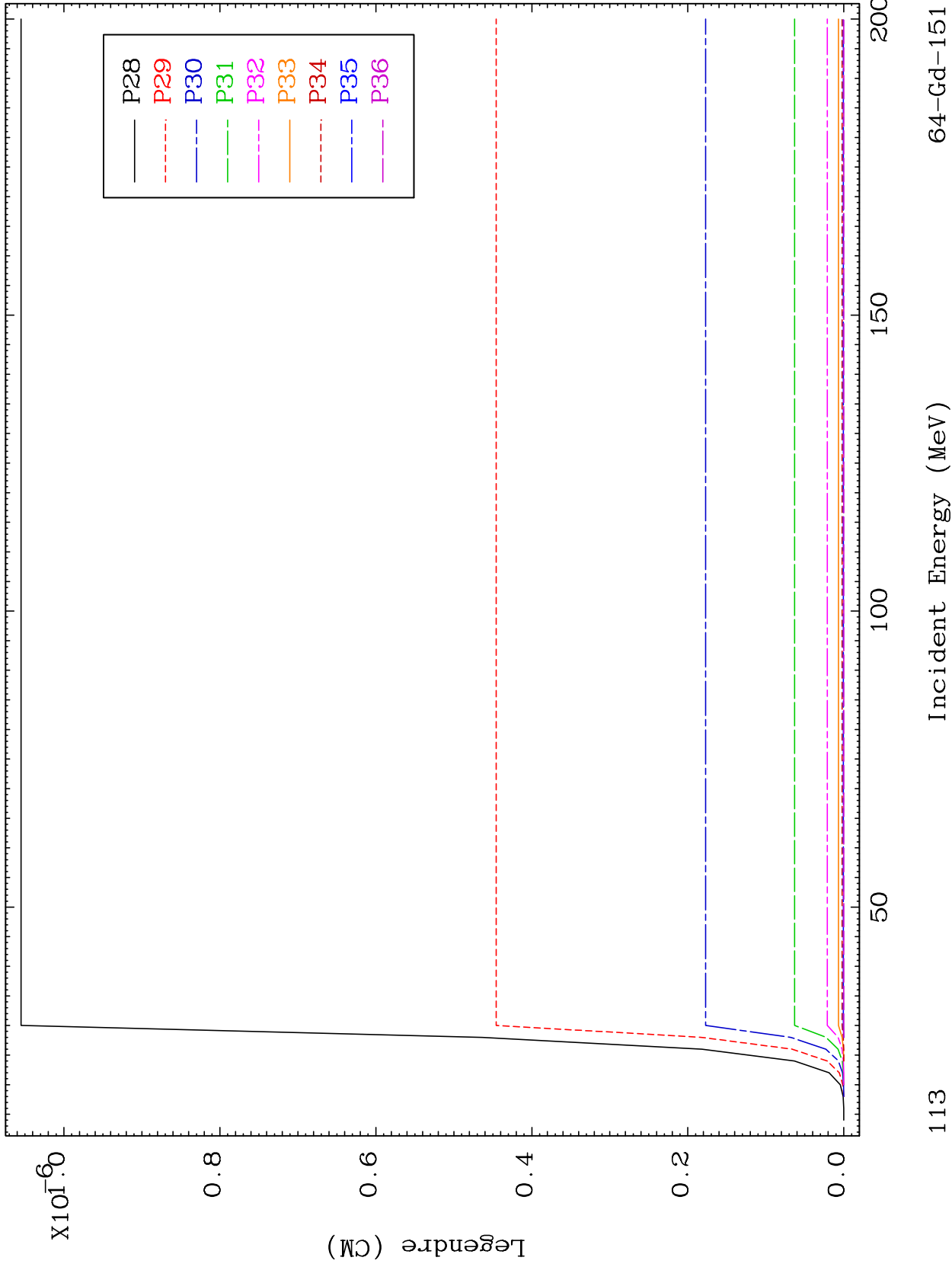
64-Gd-151



MAT 6422

938.8 keV (n,n') Level
Legendre Coefficients

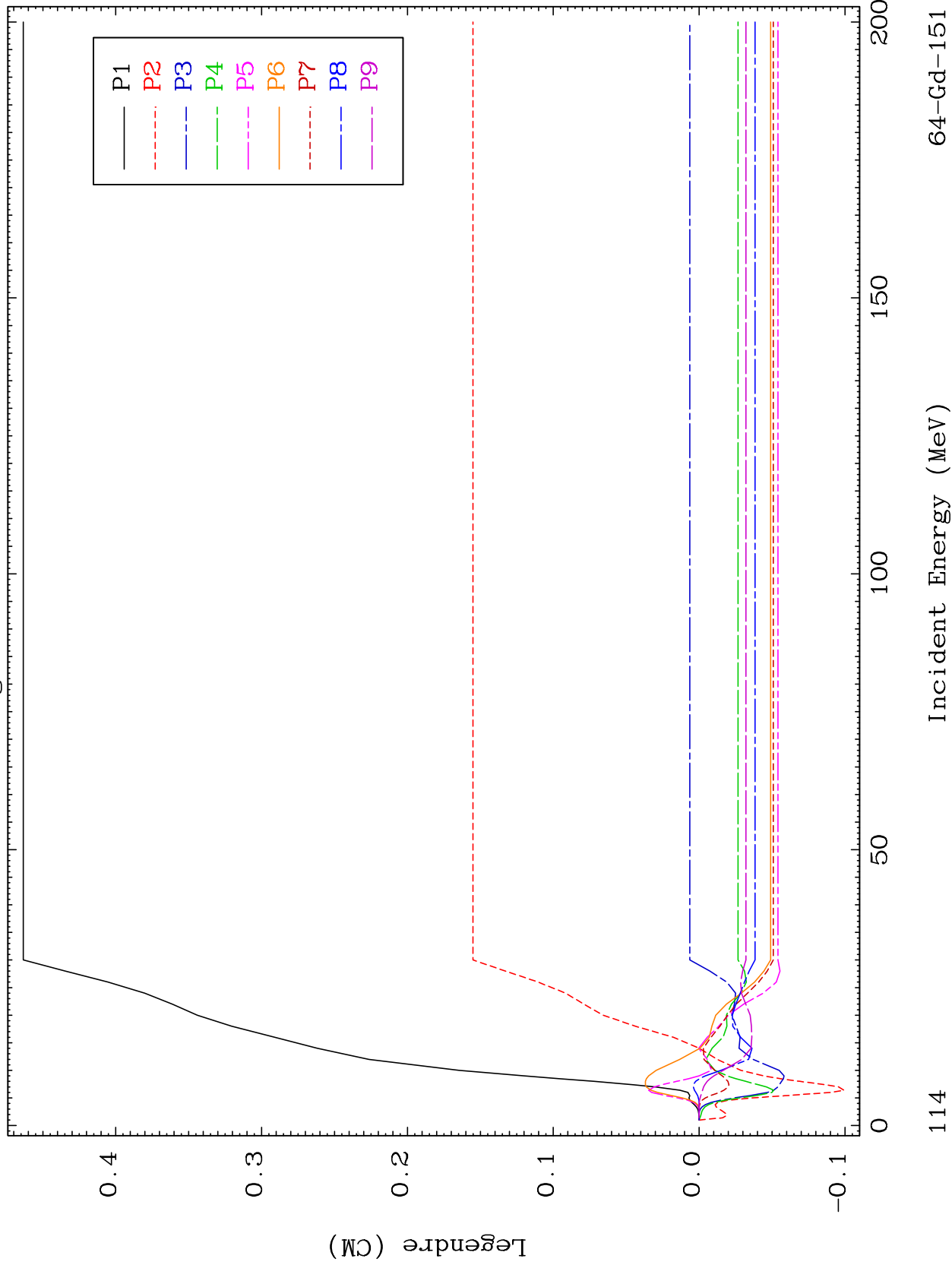
64-Gd-151



MAT 6422

982.3 keV (n,n') Level
Legendre Coefficients

64-Gd-151



64-Gd-151

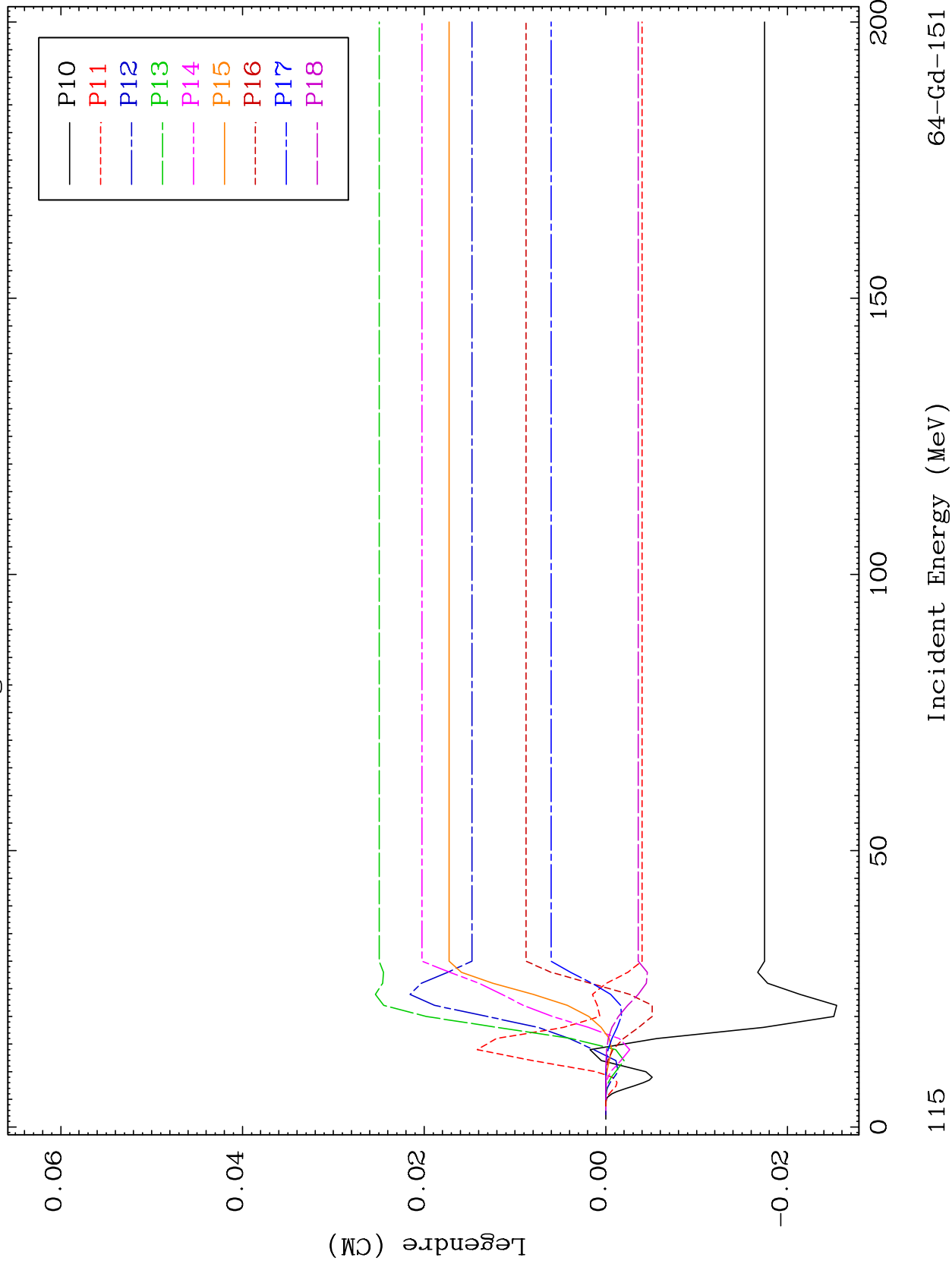
Incident Energy (MeV)

114

MAT 6422

982.3 keV (n,n') Level
Legendre Coefficients

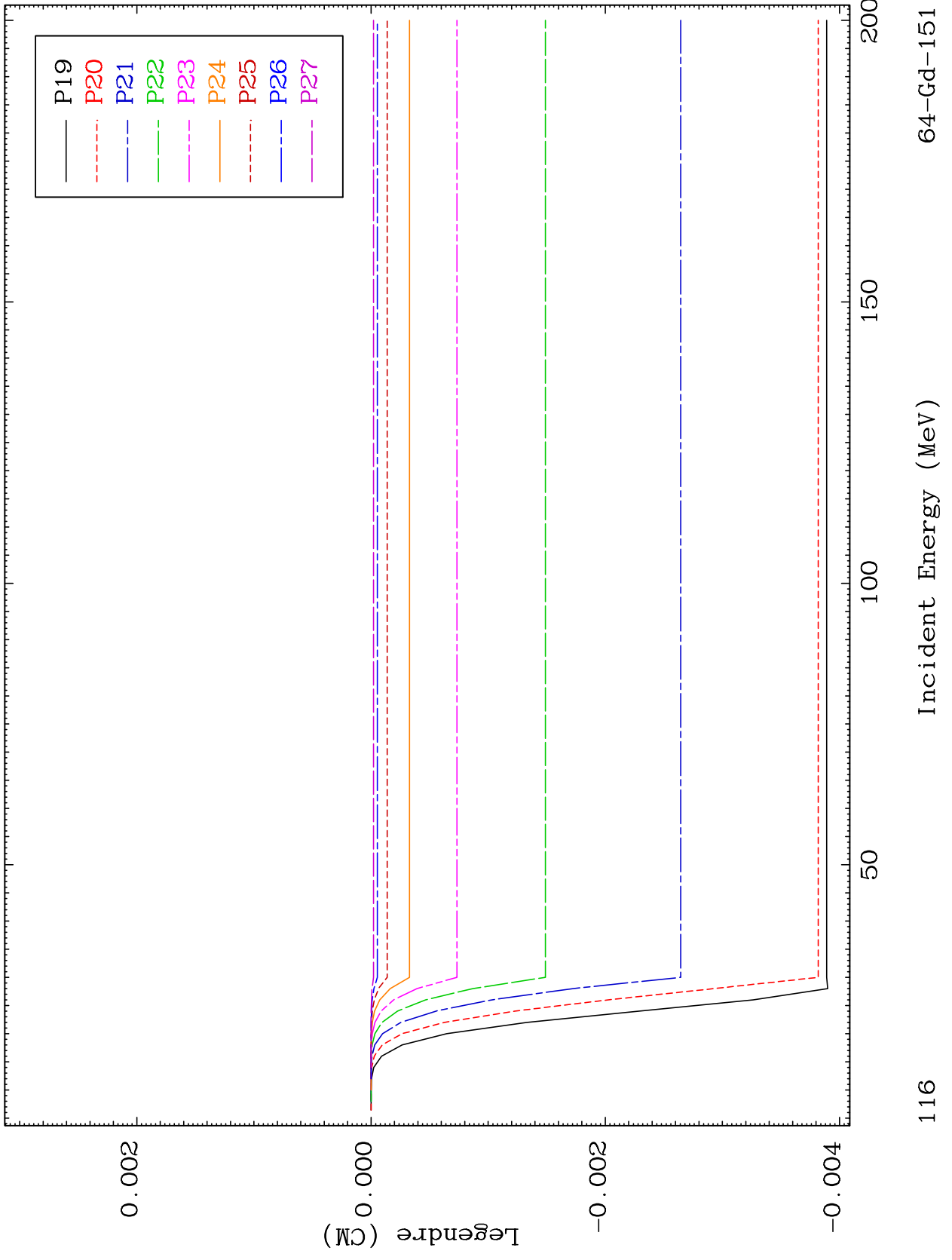
64-Gd-151

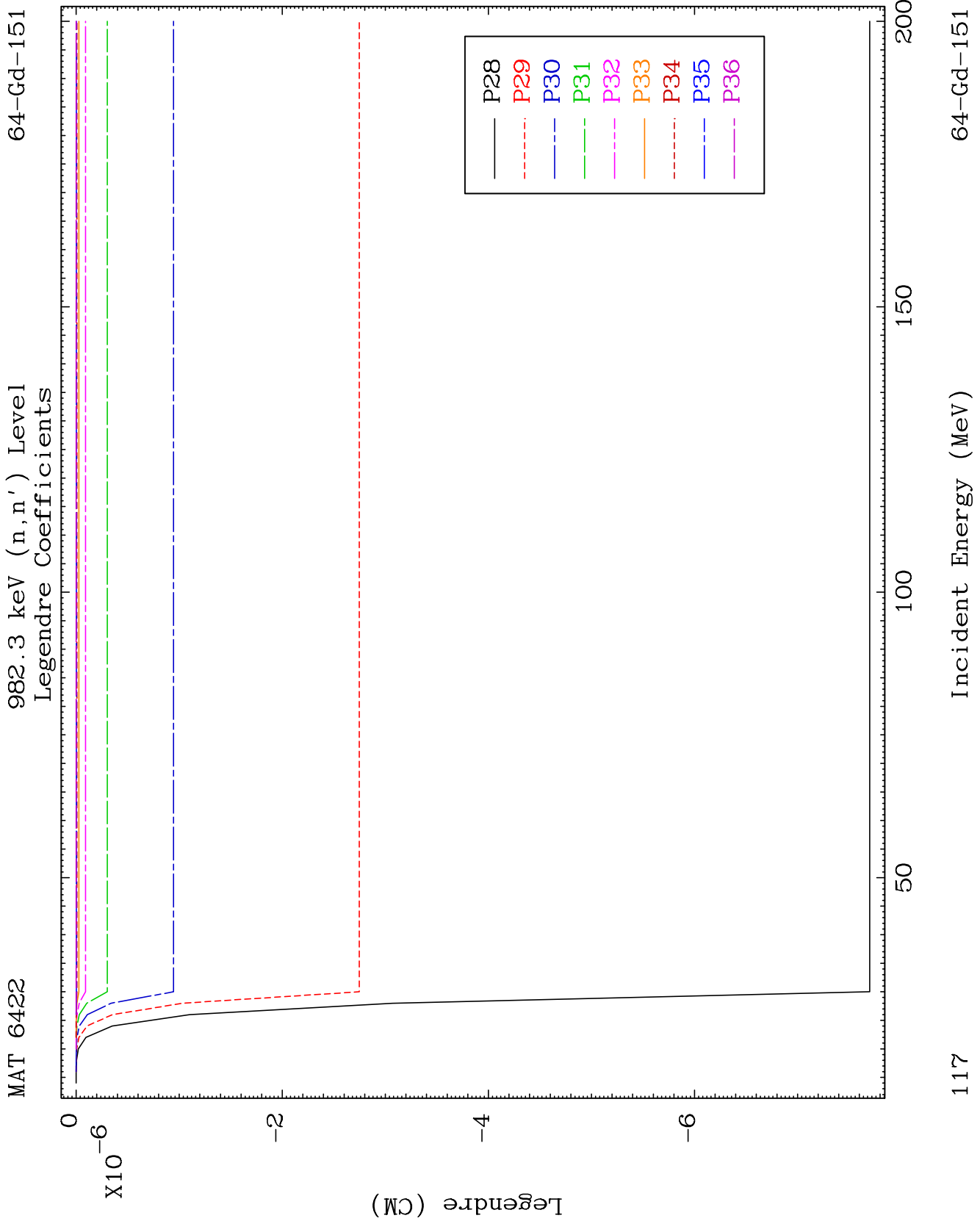


64-Gd-151

Incident Energy (MeV)

115

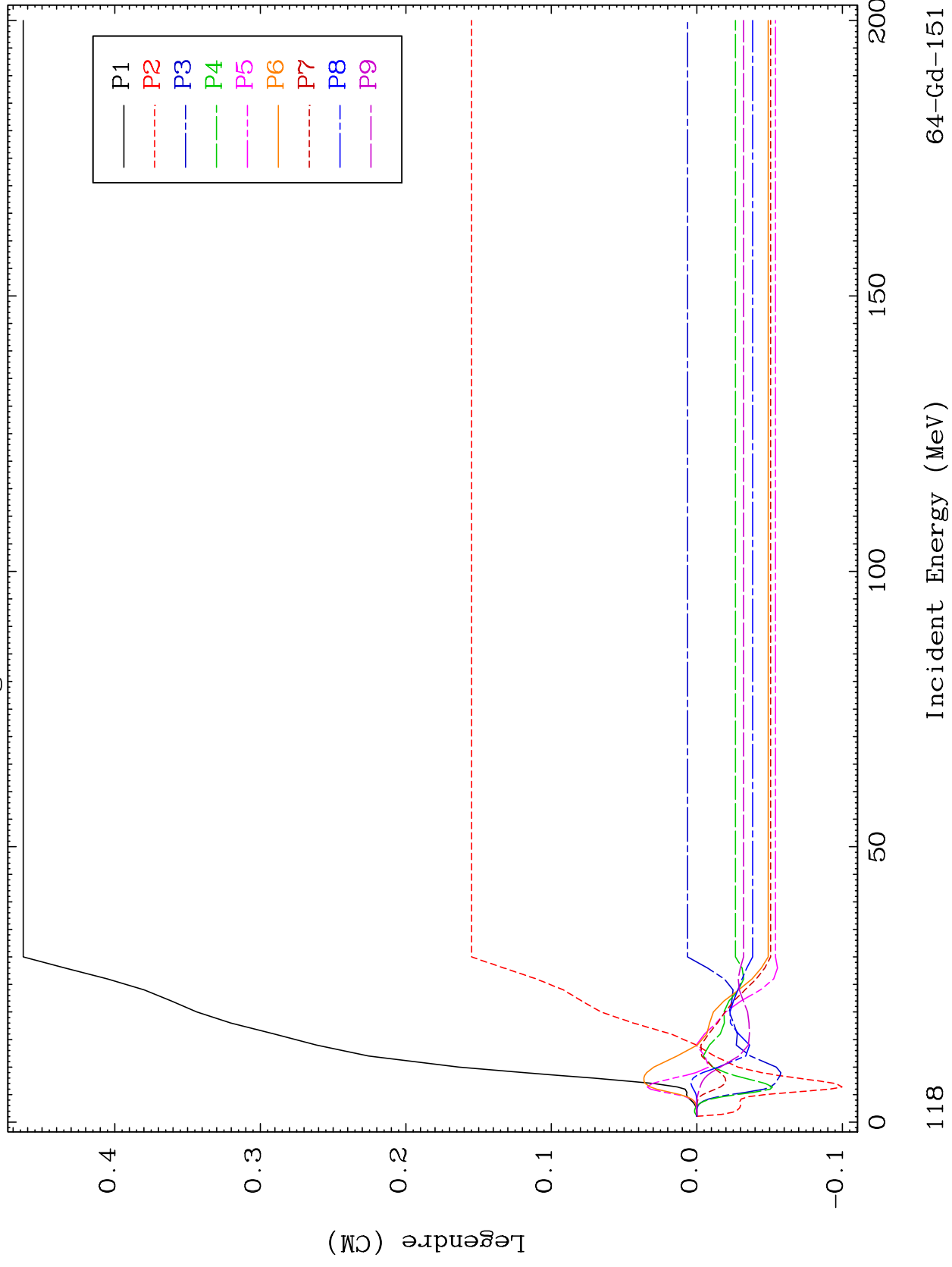




MAT 6422

1.050 MeV (n,n') Level
Legendre Coefficients

64-Gd-151



64-Gd-151

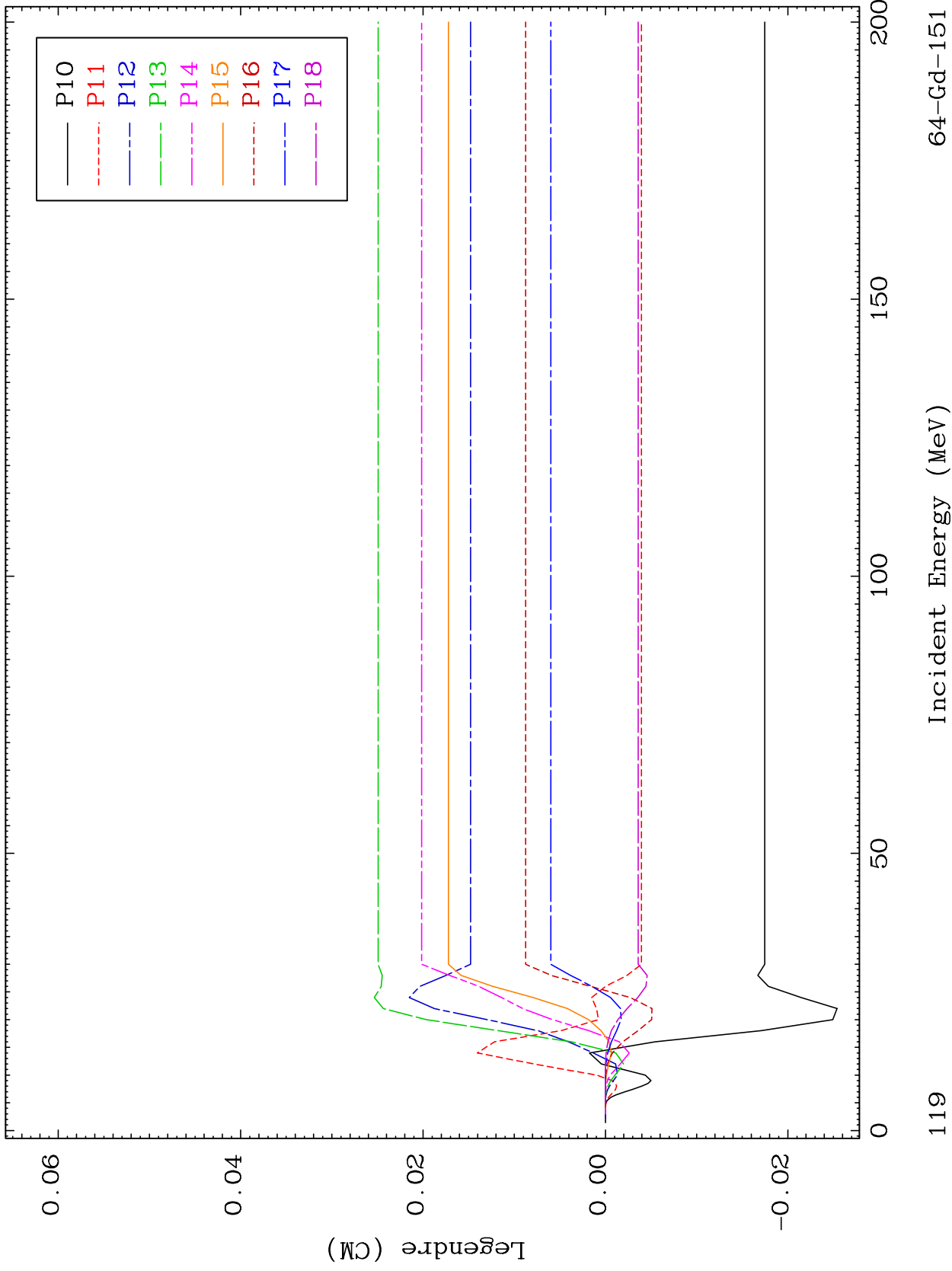
Incident Energy (MeV)

118

MAT 6422

1.050 MeV (n,n') Level
Legendre Coefficients

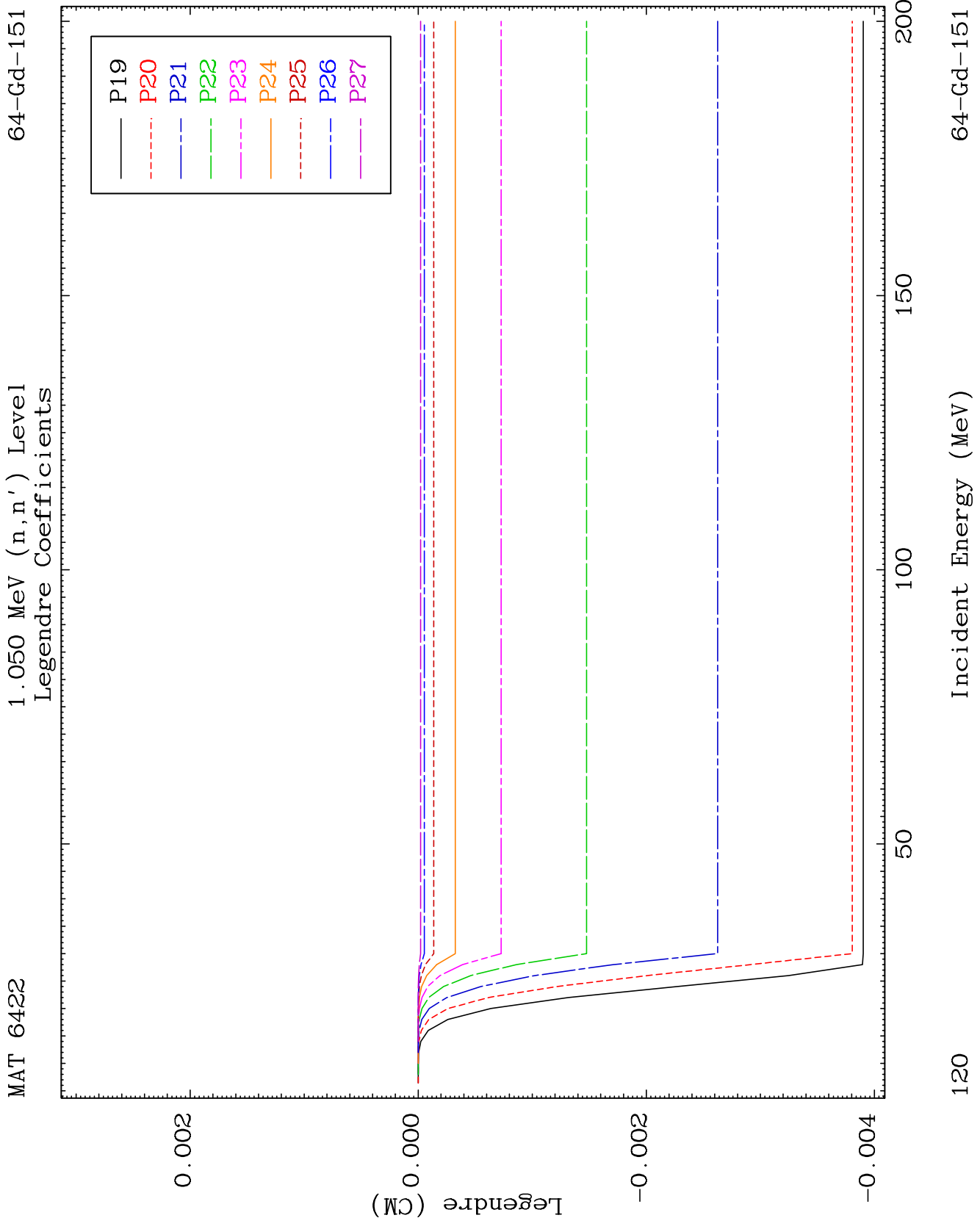
64-Gd-151

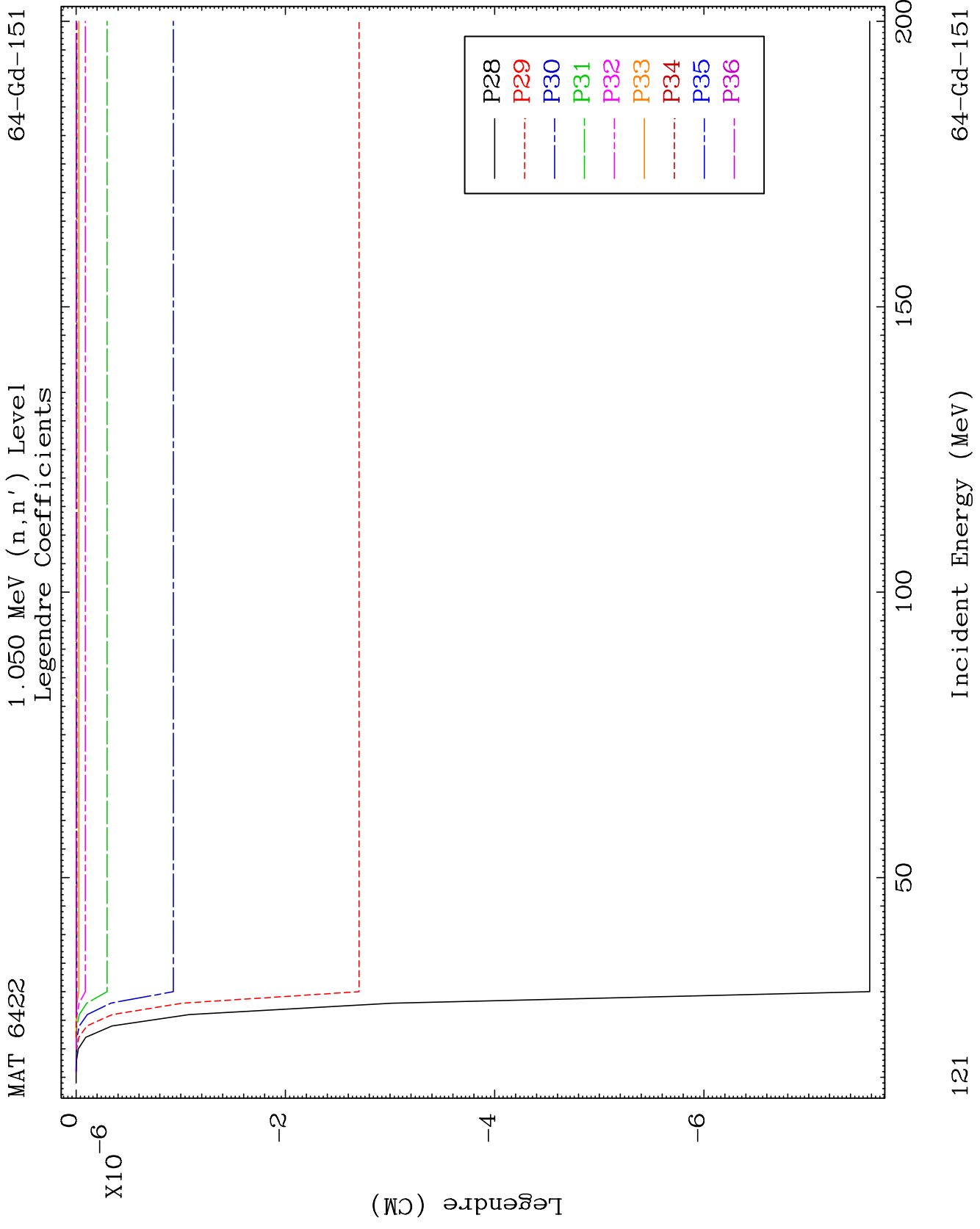


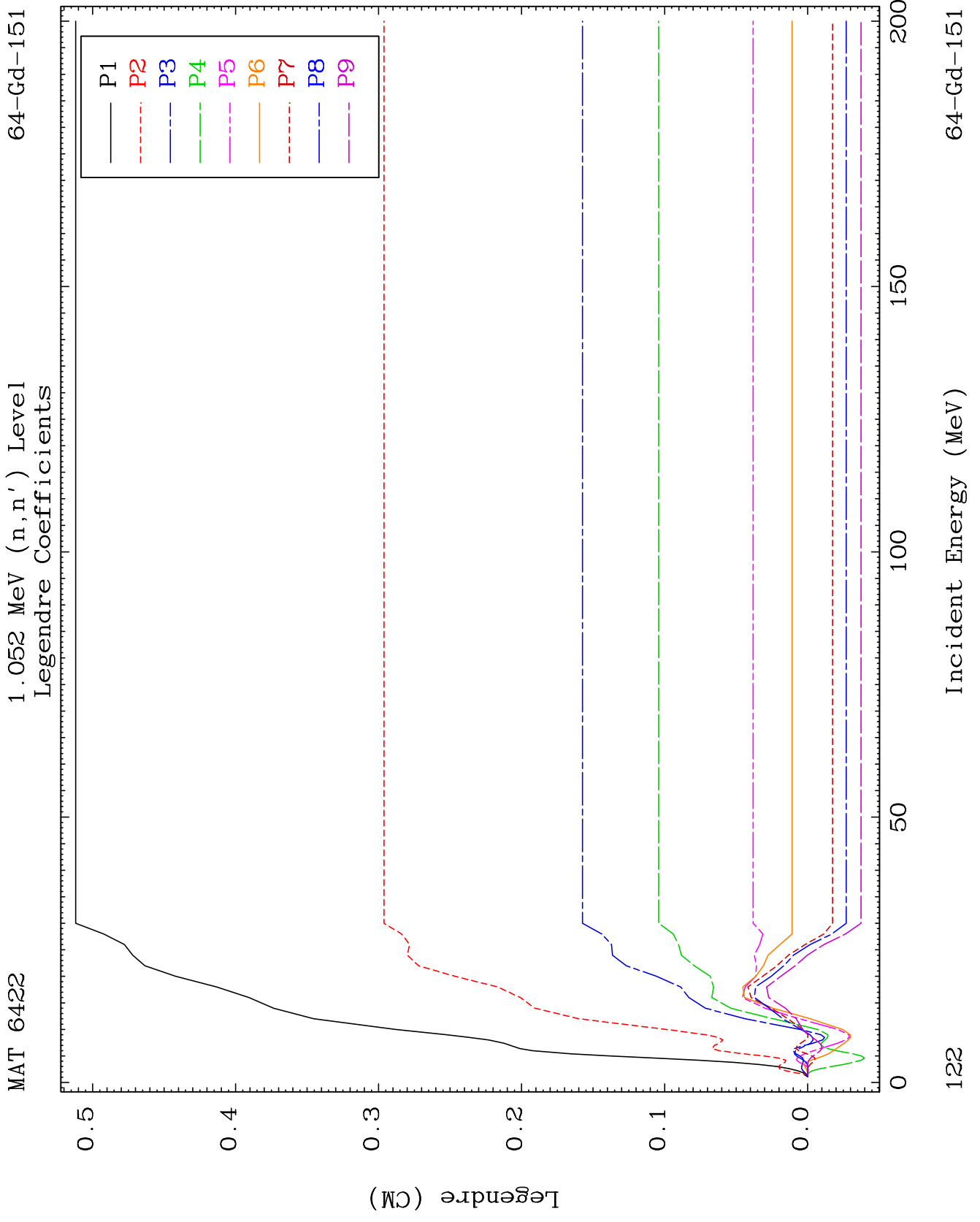
119

Incident Energy (MeV)

64-Gd-151



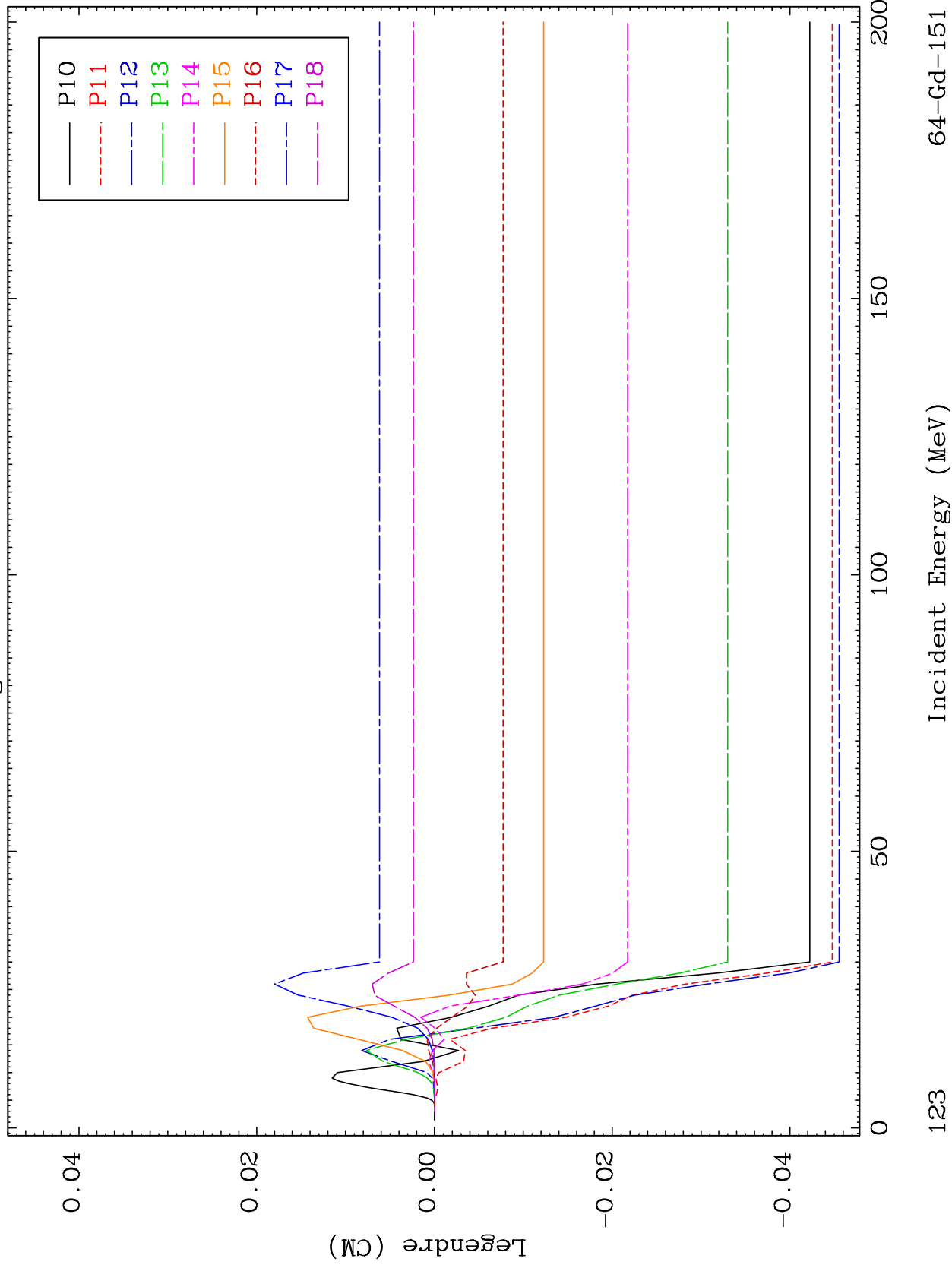




MAT 6422

1.052 MeV (n,n') Level
Legendre Coefficients

64-Gd-151



123

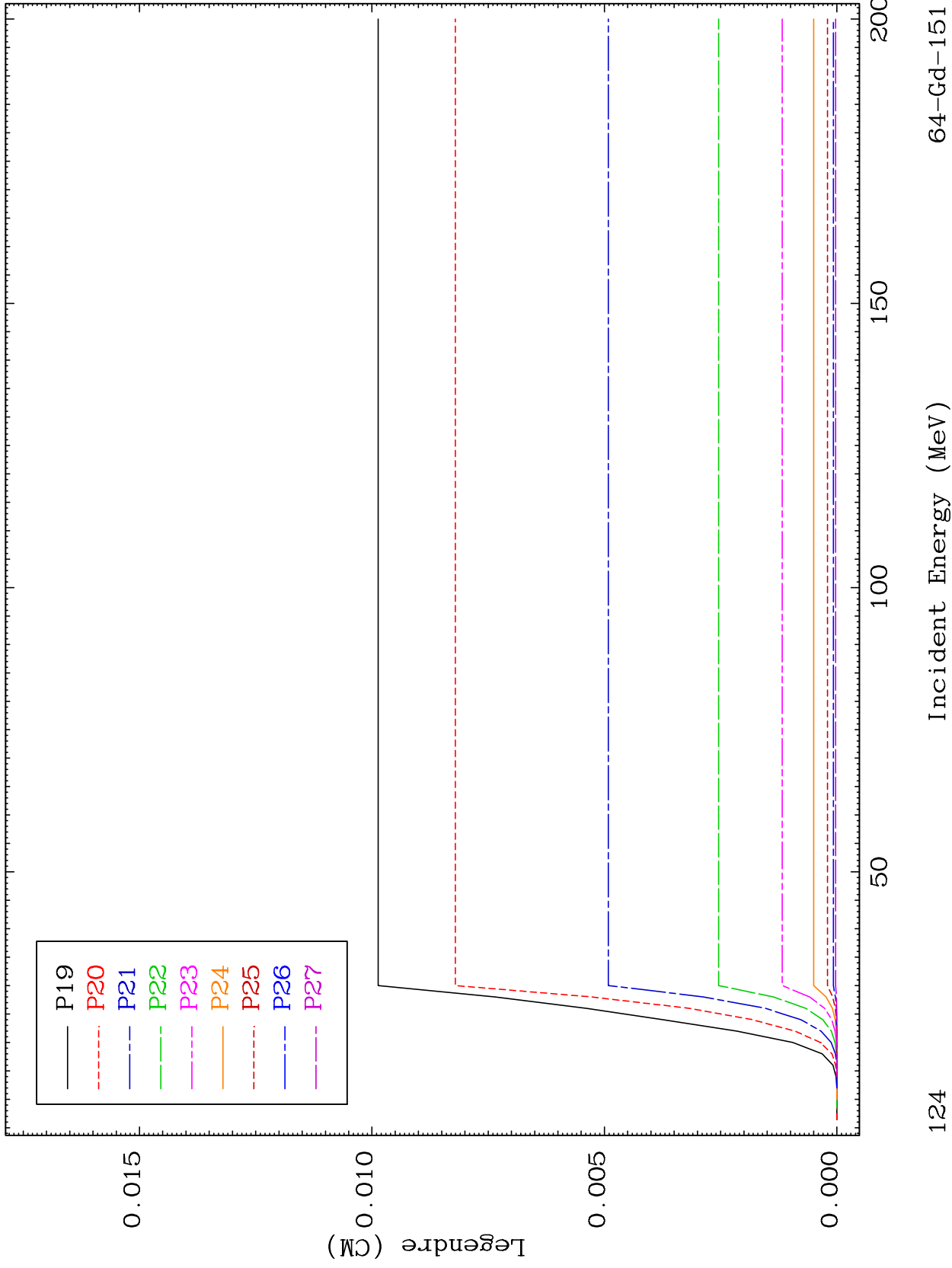
Incident Energy (MeV)

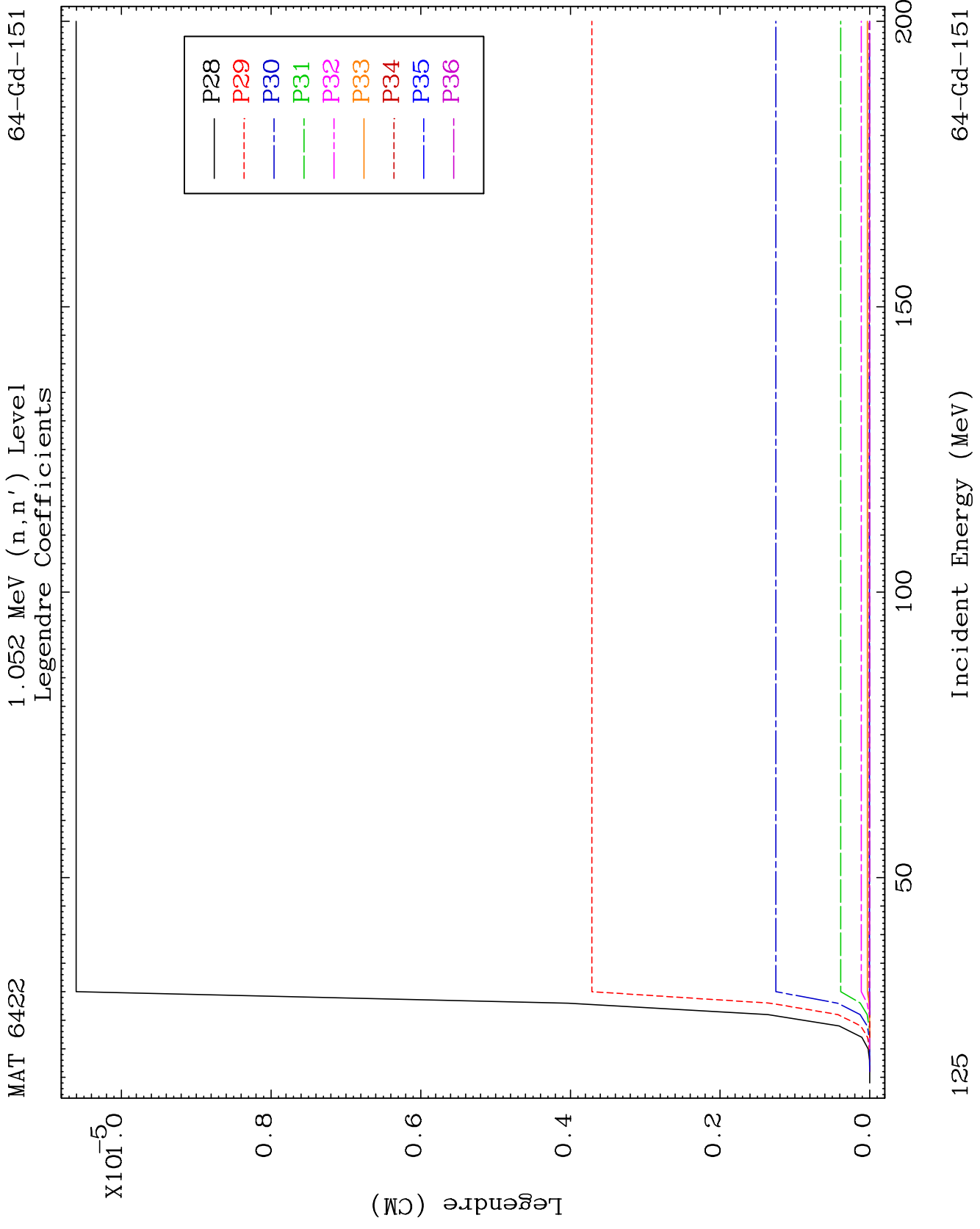
64-Gd-151

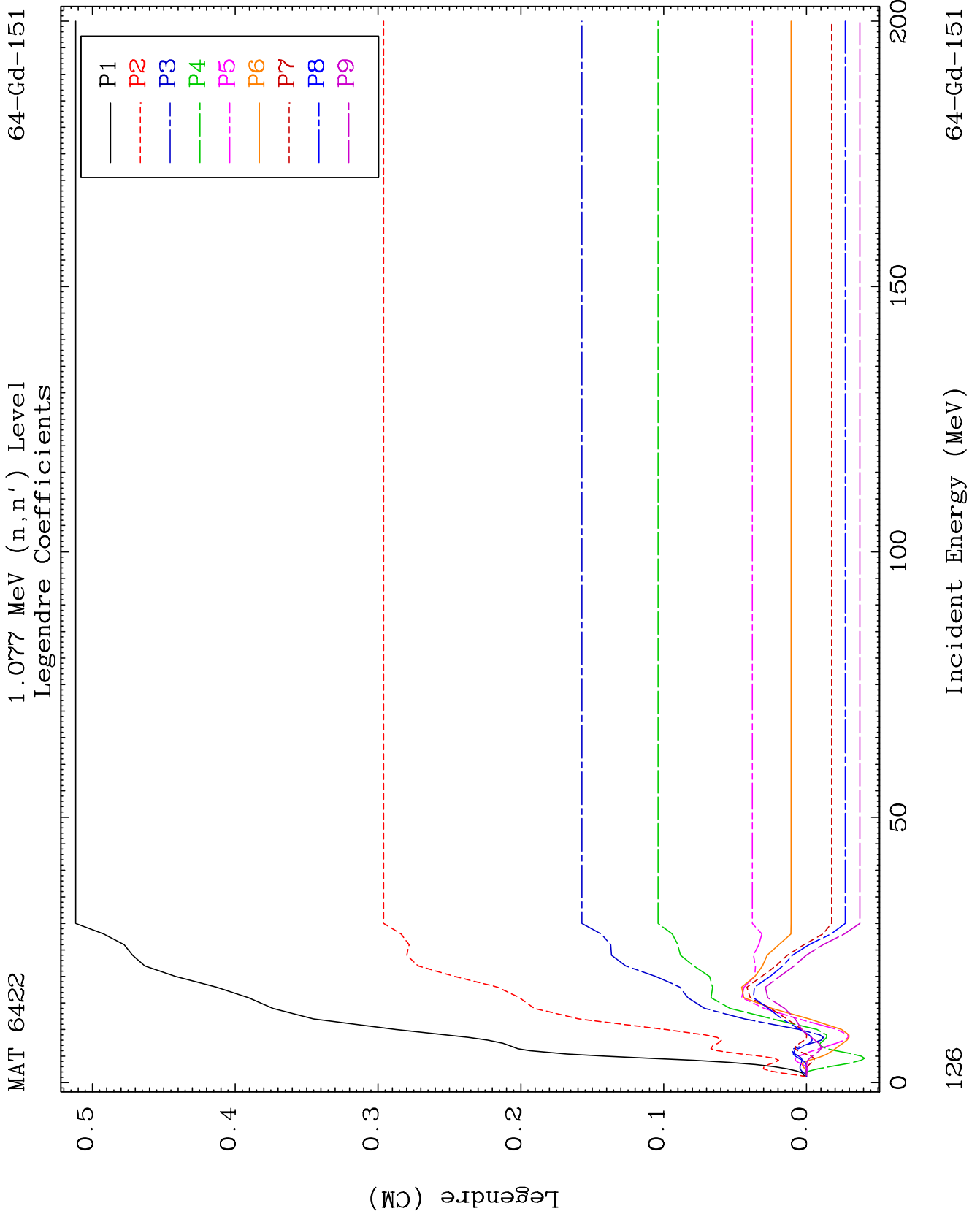
MAT 6422

1.052 MeV (n,n') Level
Legendre Coefficients

64-Gd-151



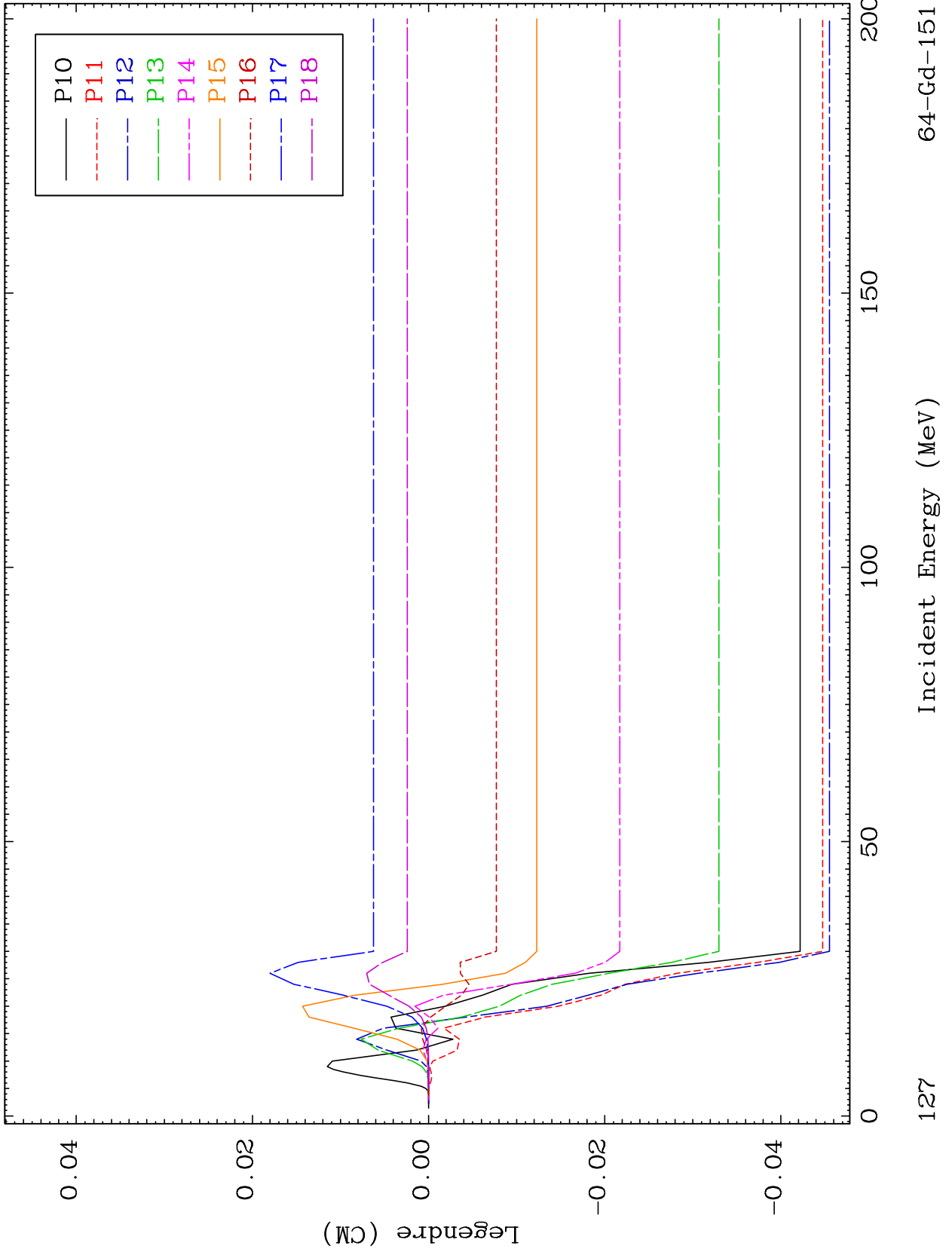




MAT 6422

1.077 MeV (n,n') Level
Legendre Coefficients

64-Gd-151

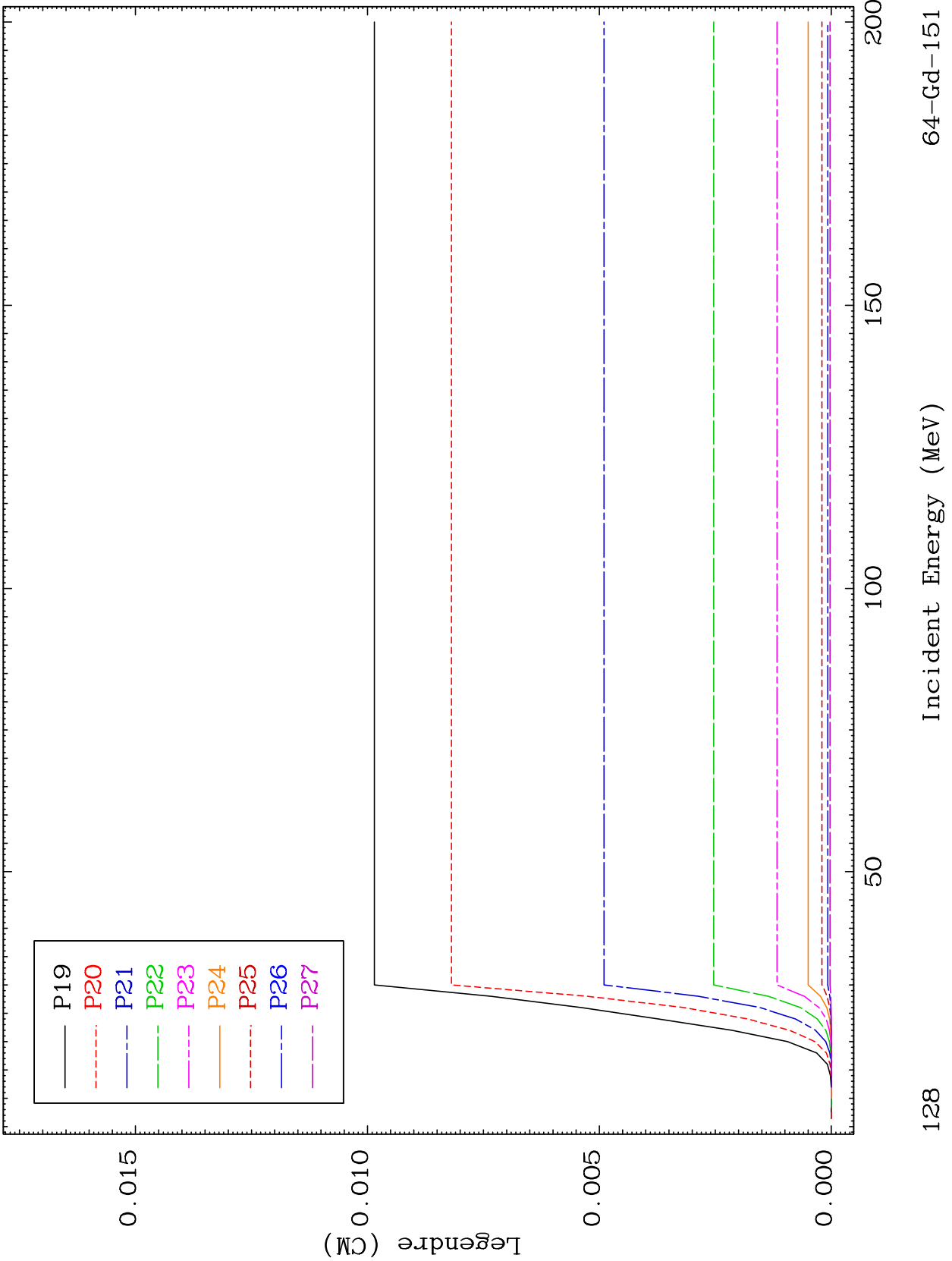


127

MAT 6422

1.077 MeV (n,n') Level Legendre Coefficients

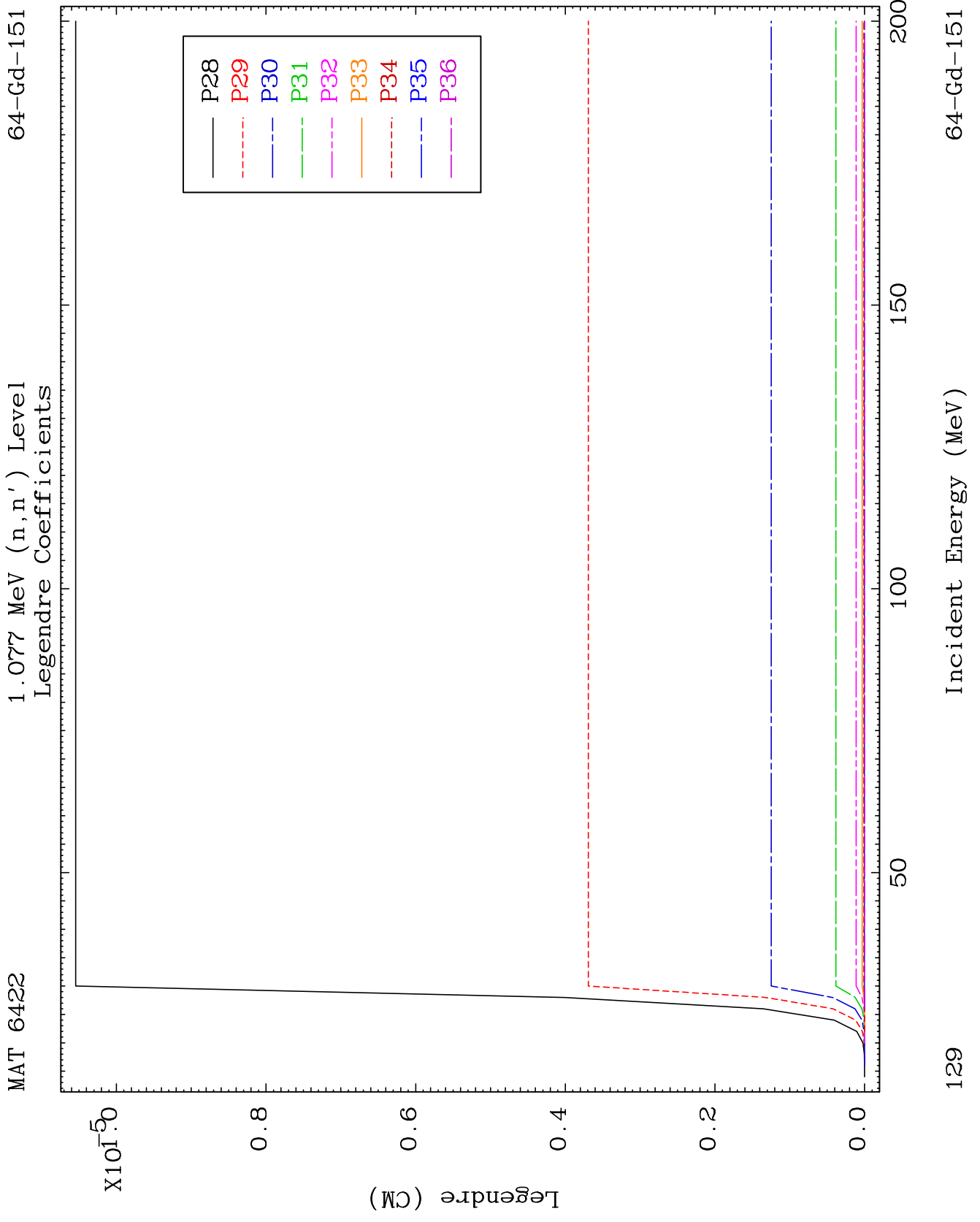
64-Gd-151



128

Incident Energy (MeV)

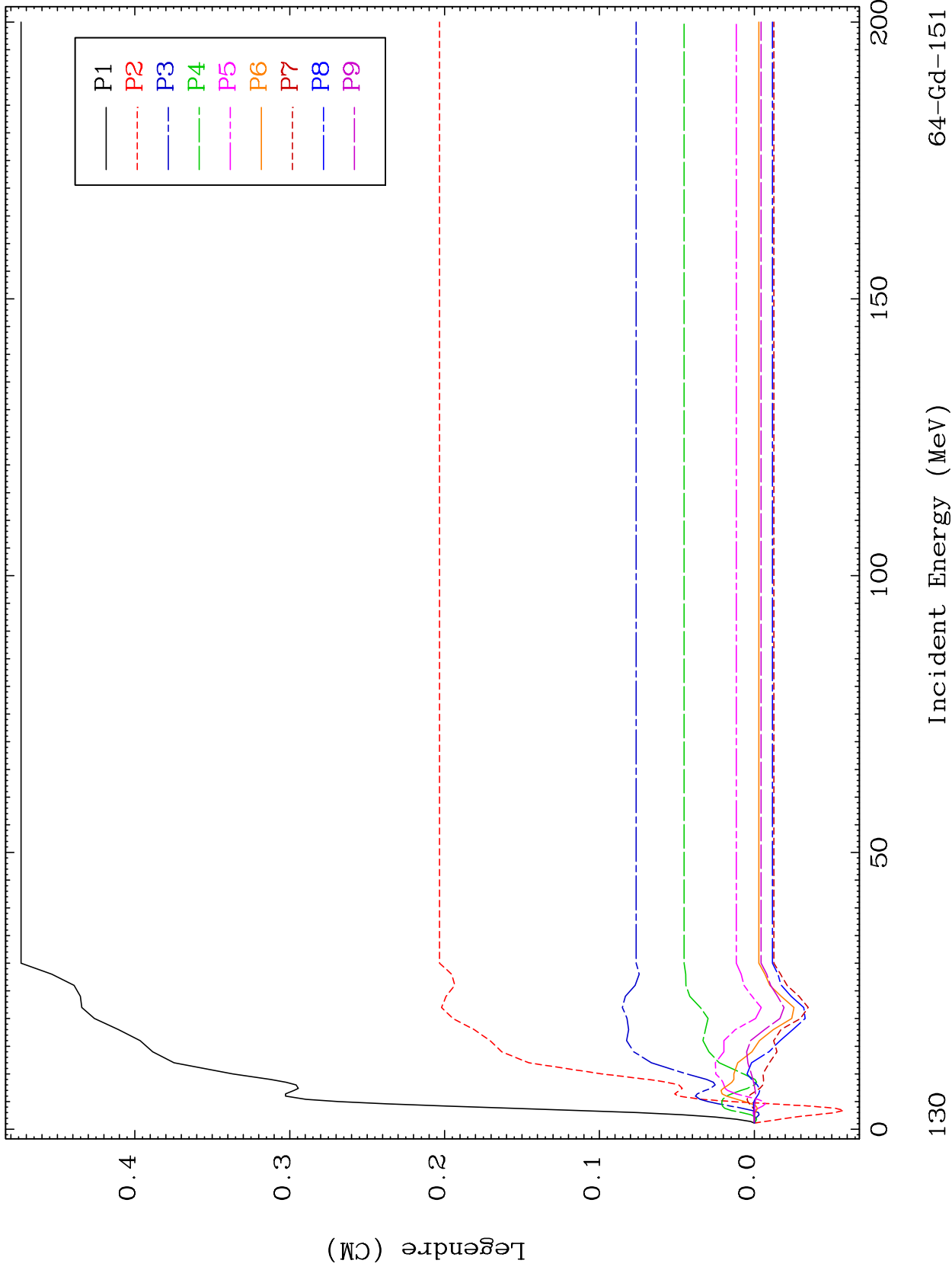
64-Gd-151



MAT 6422

1.088 MeV (n,n') Level
Legendre Coefficients

64-Gd-151



64-Gd-151

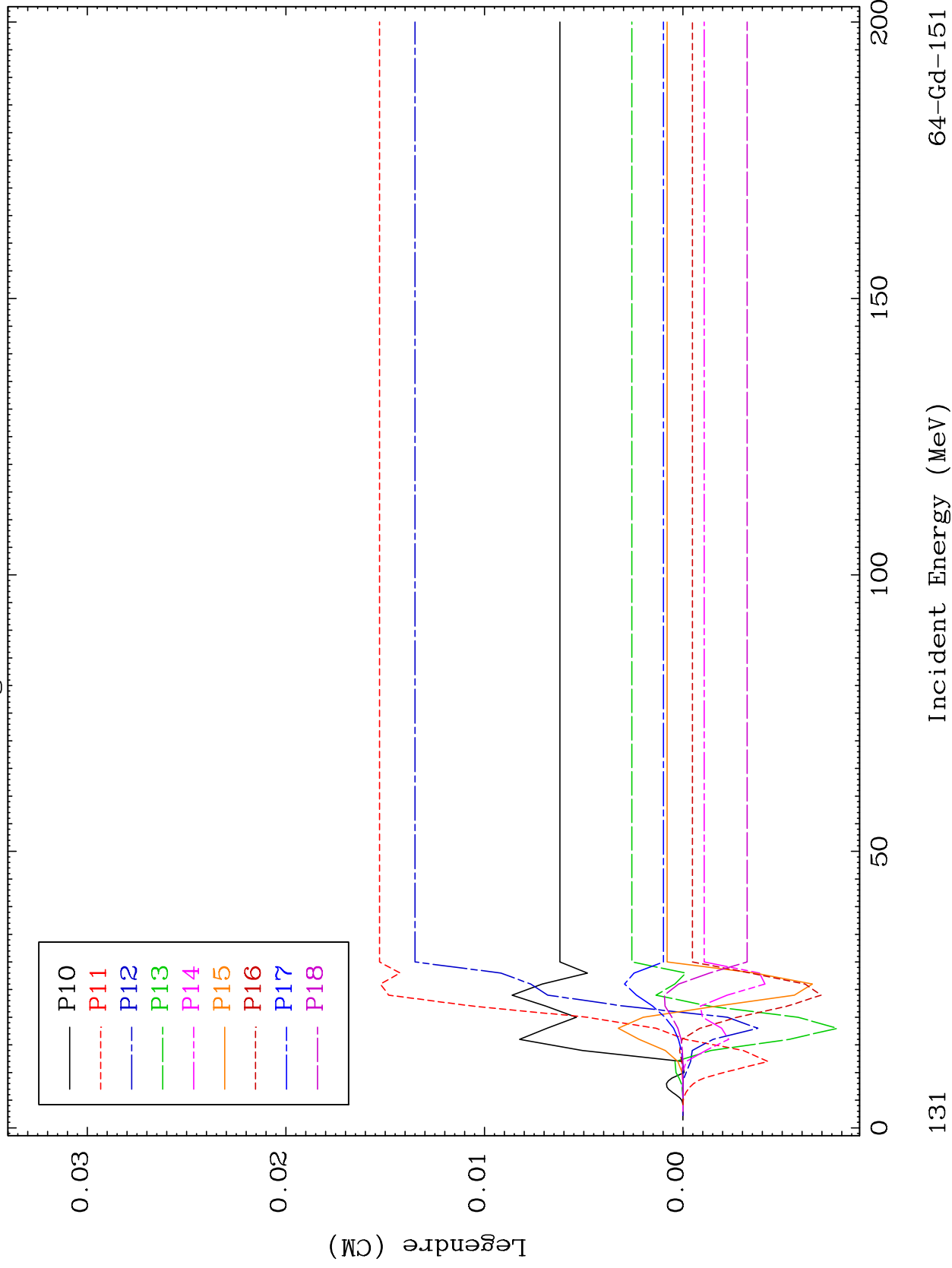
Incident Energy (MeV)

130

MAT 6422

1.088 MeV (n,n') Level
Legendre Coefficients

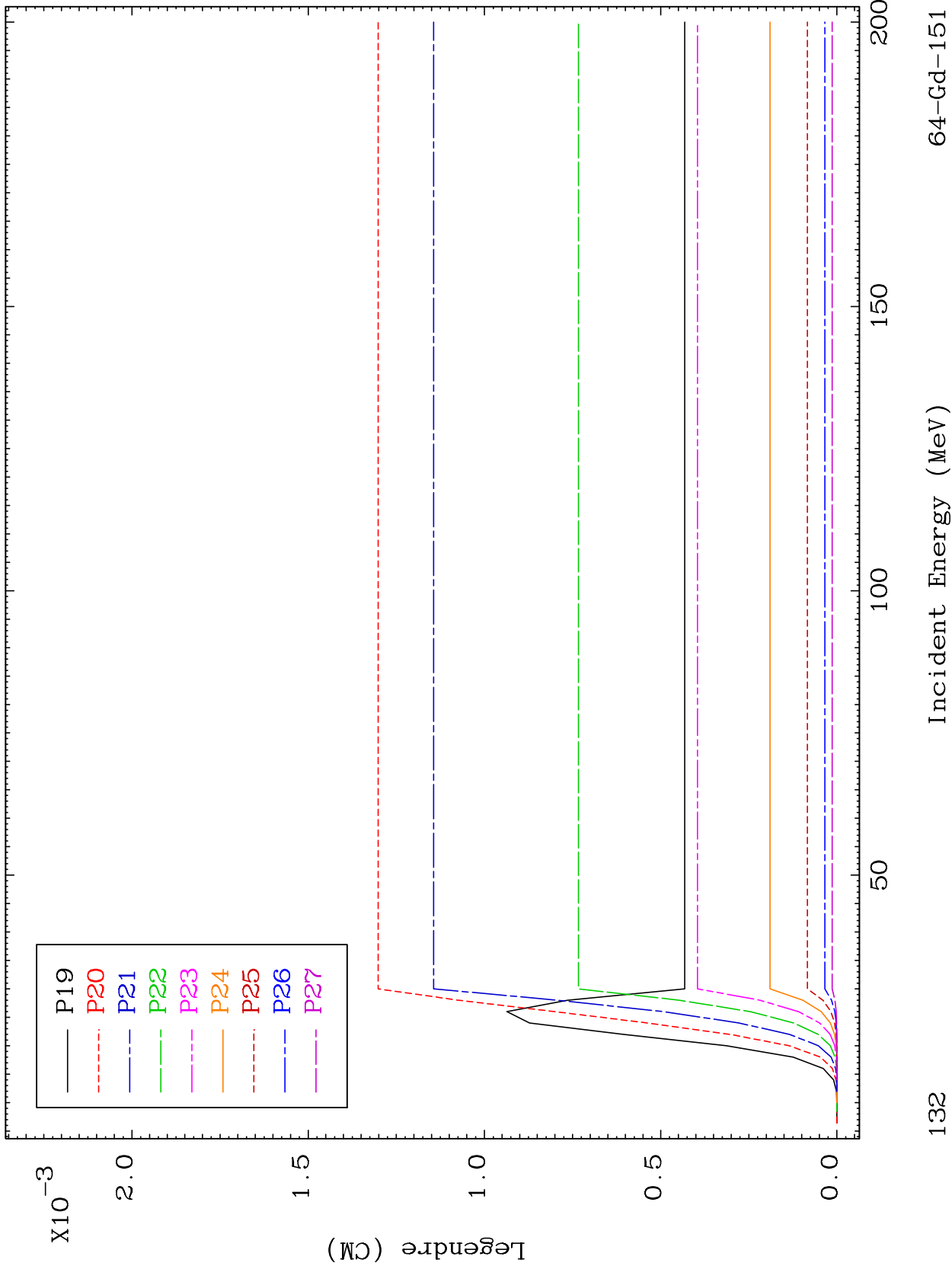
64-Gd-151



131

Incident Energy (MeV)

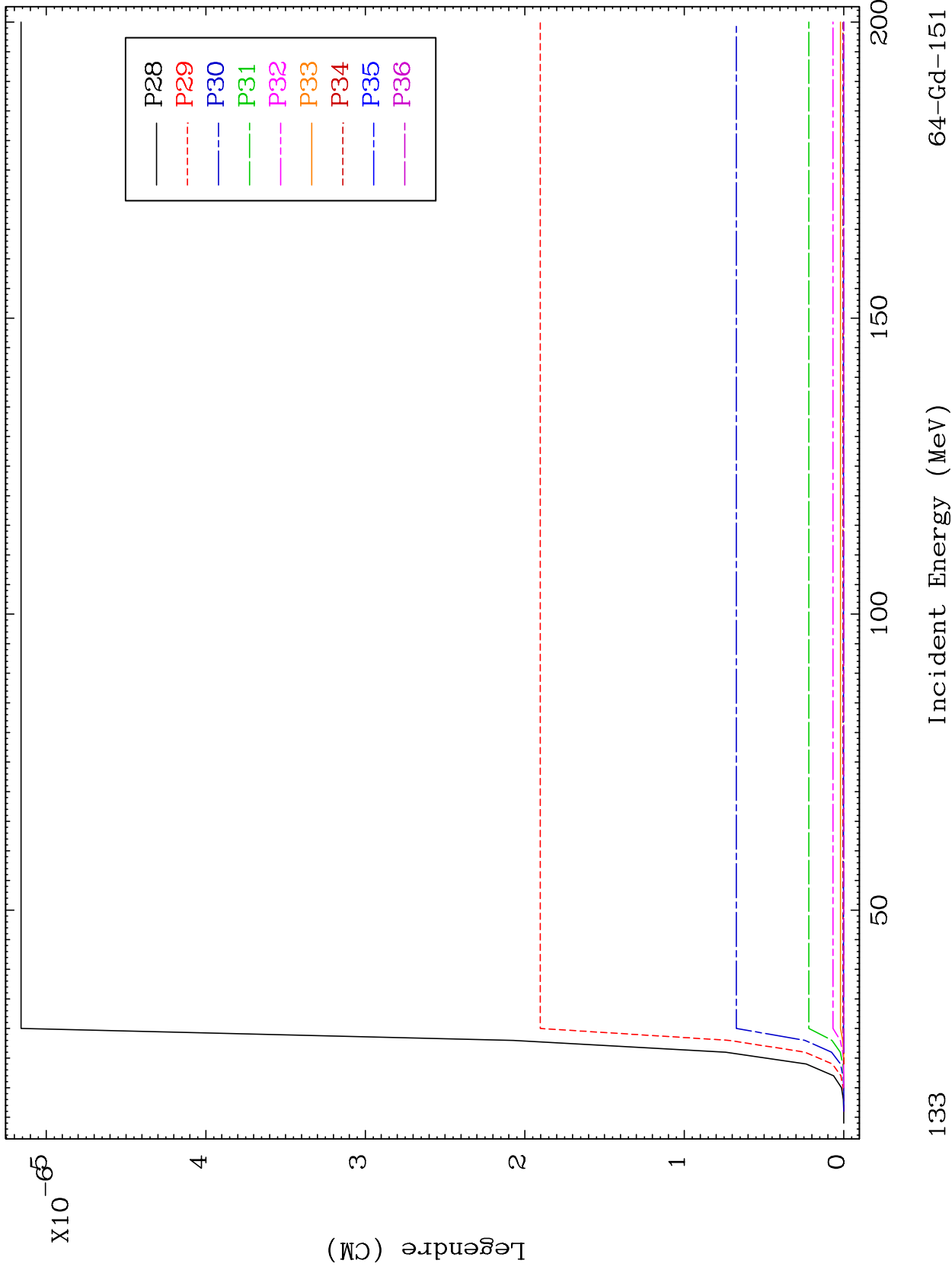
64-Gd-151



MAT 6422

1.088 MeV (n,n') Level
Legendre Coefficients

64-Gd-151

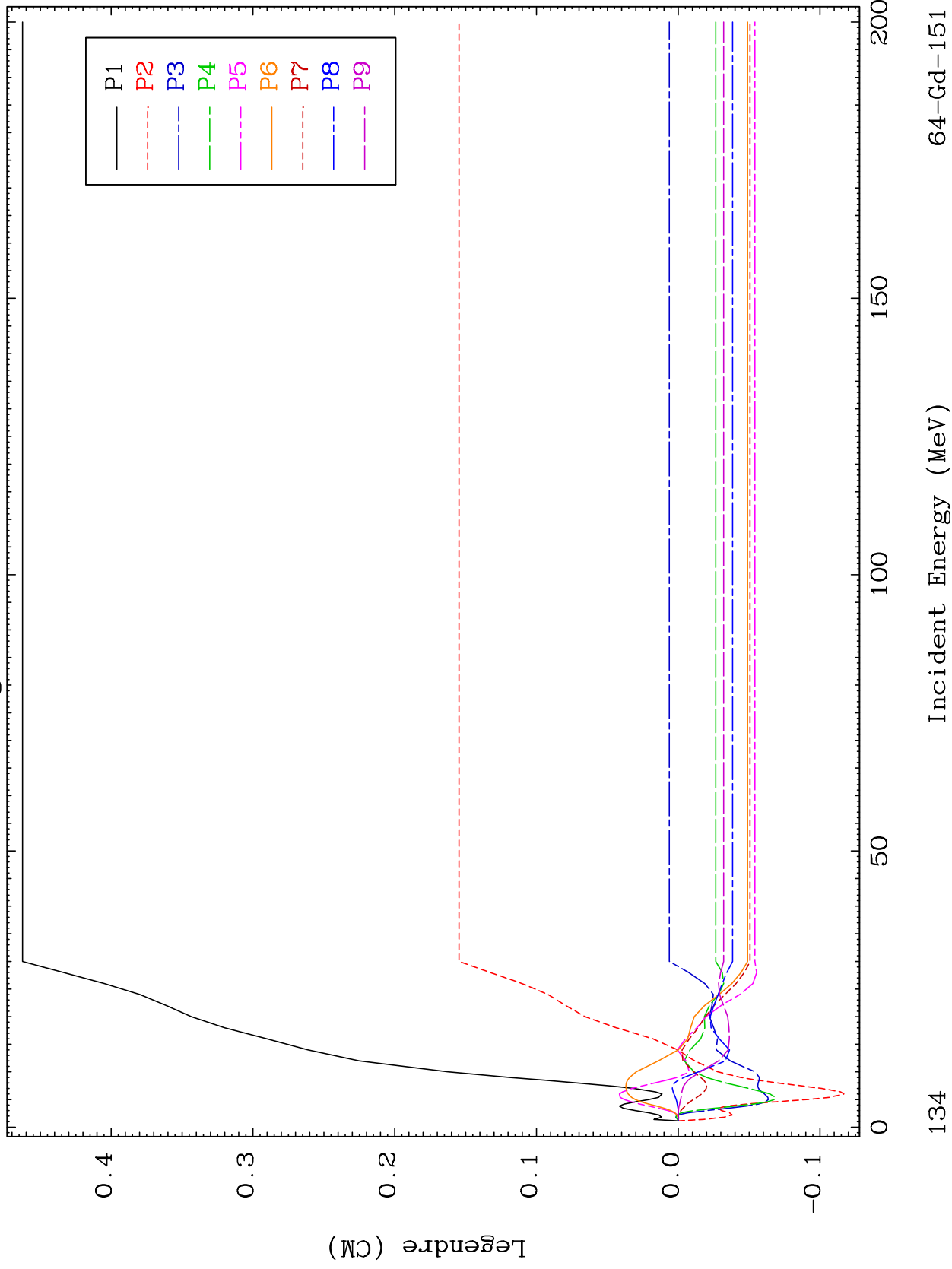


133

MAT 6422

1.116 MeV (n,n') Level
Legendre Coefficients

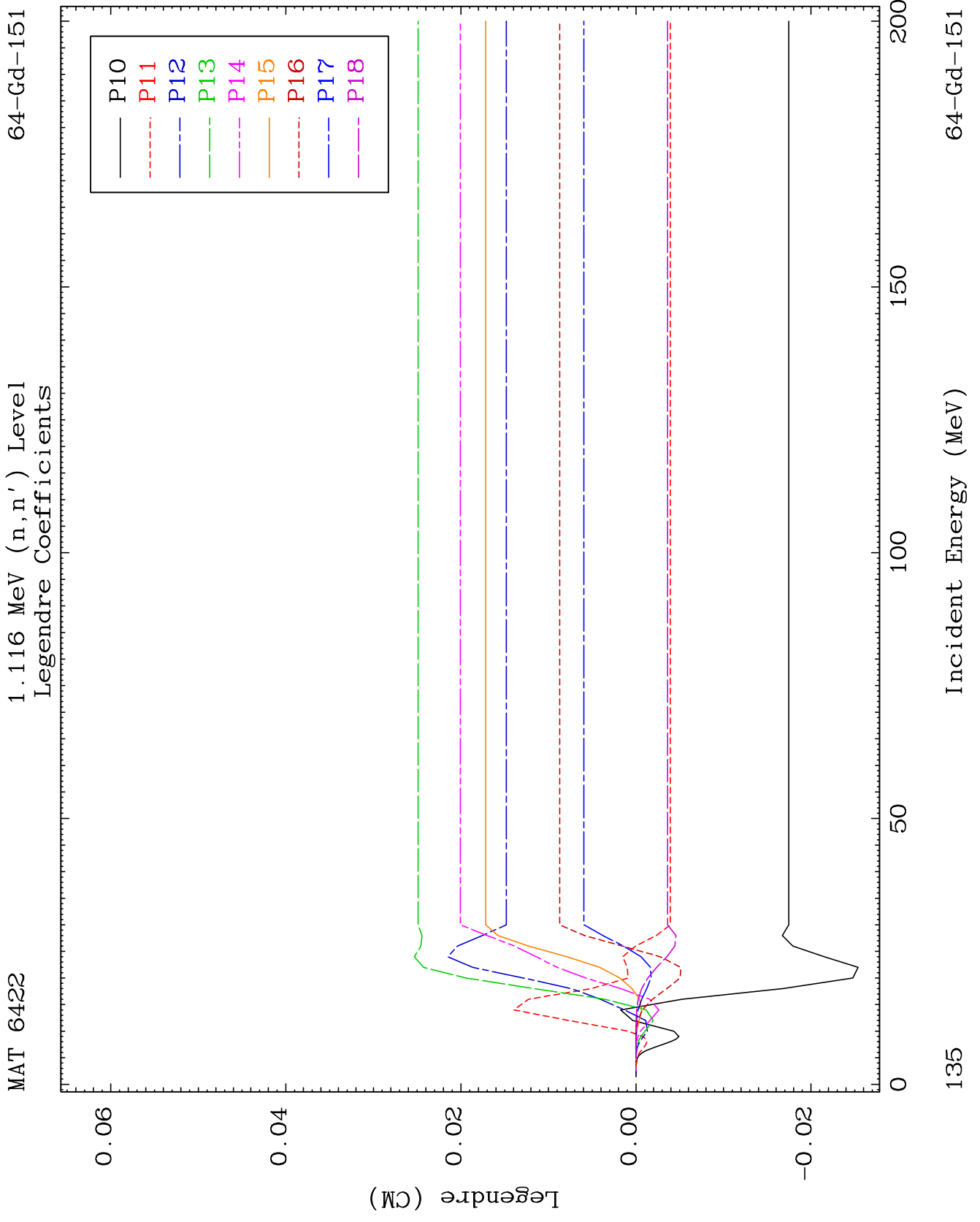
64-Gd-151

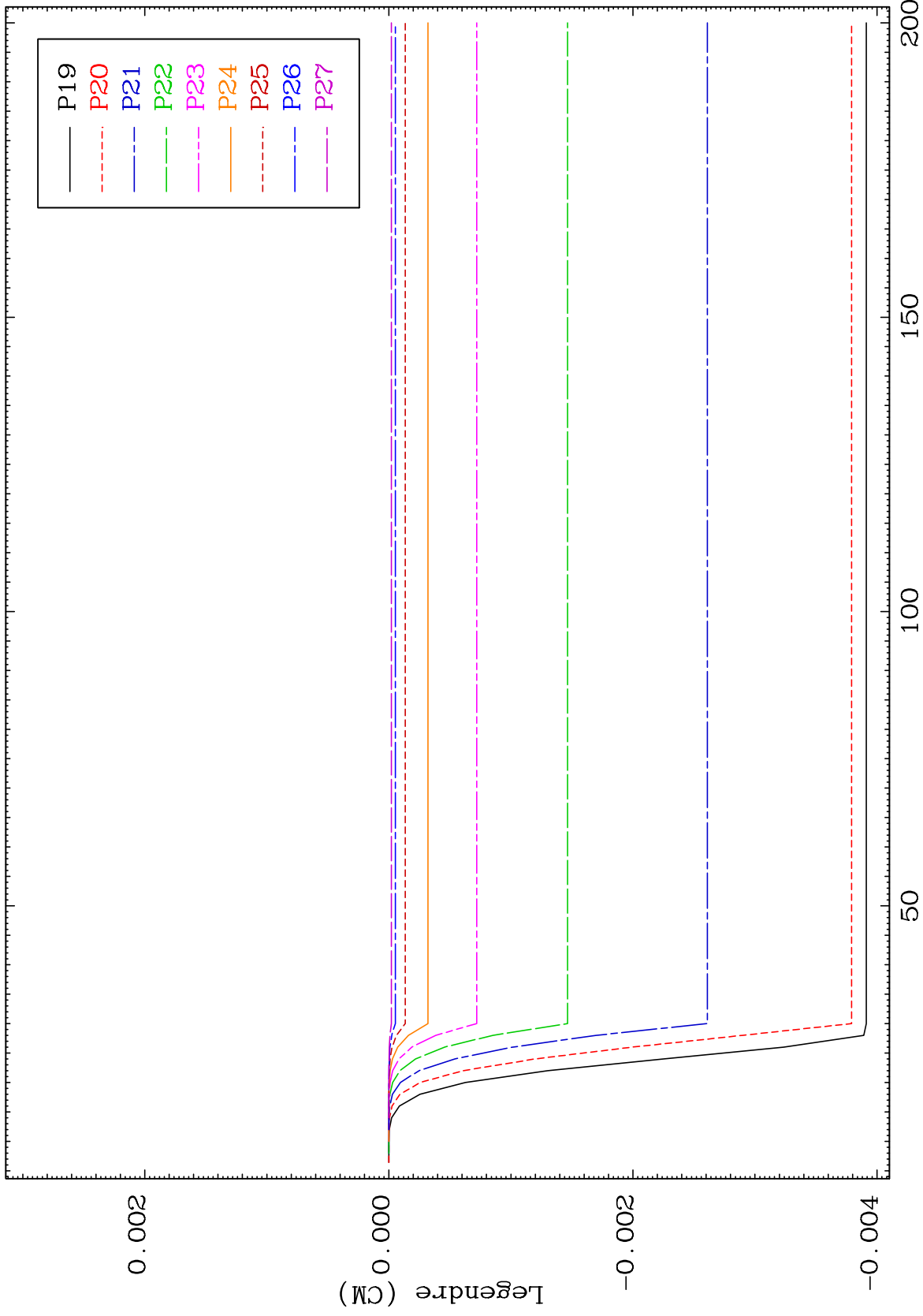


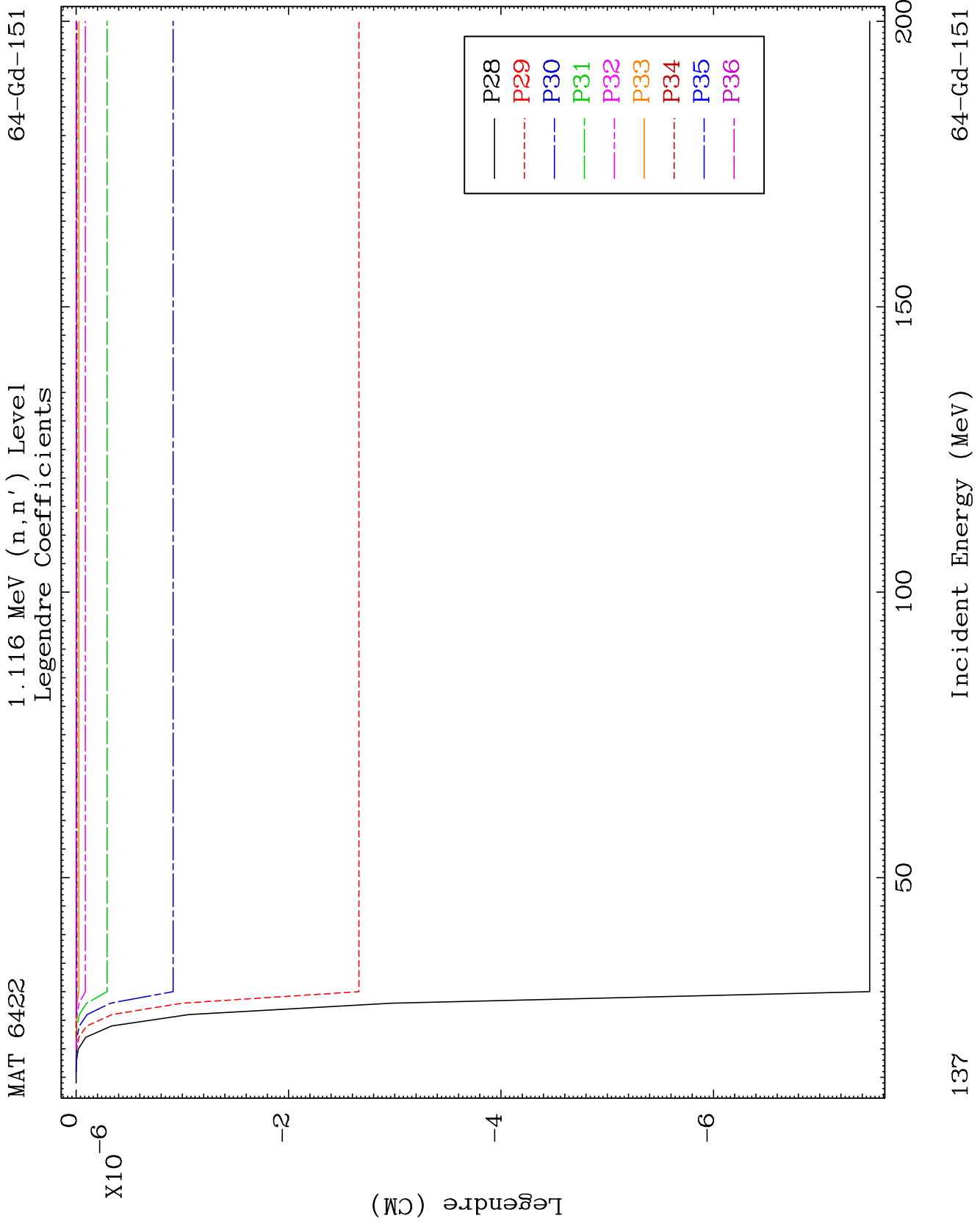
64-Gd-151

Incident Energy (MeV)

134





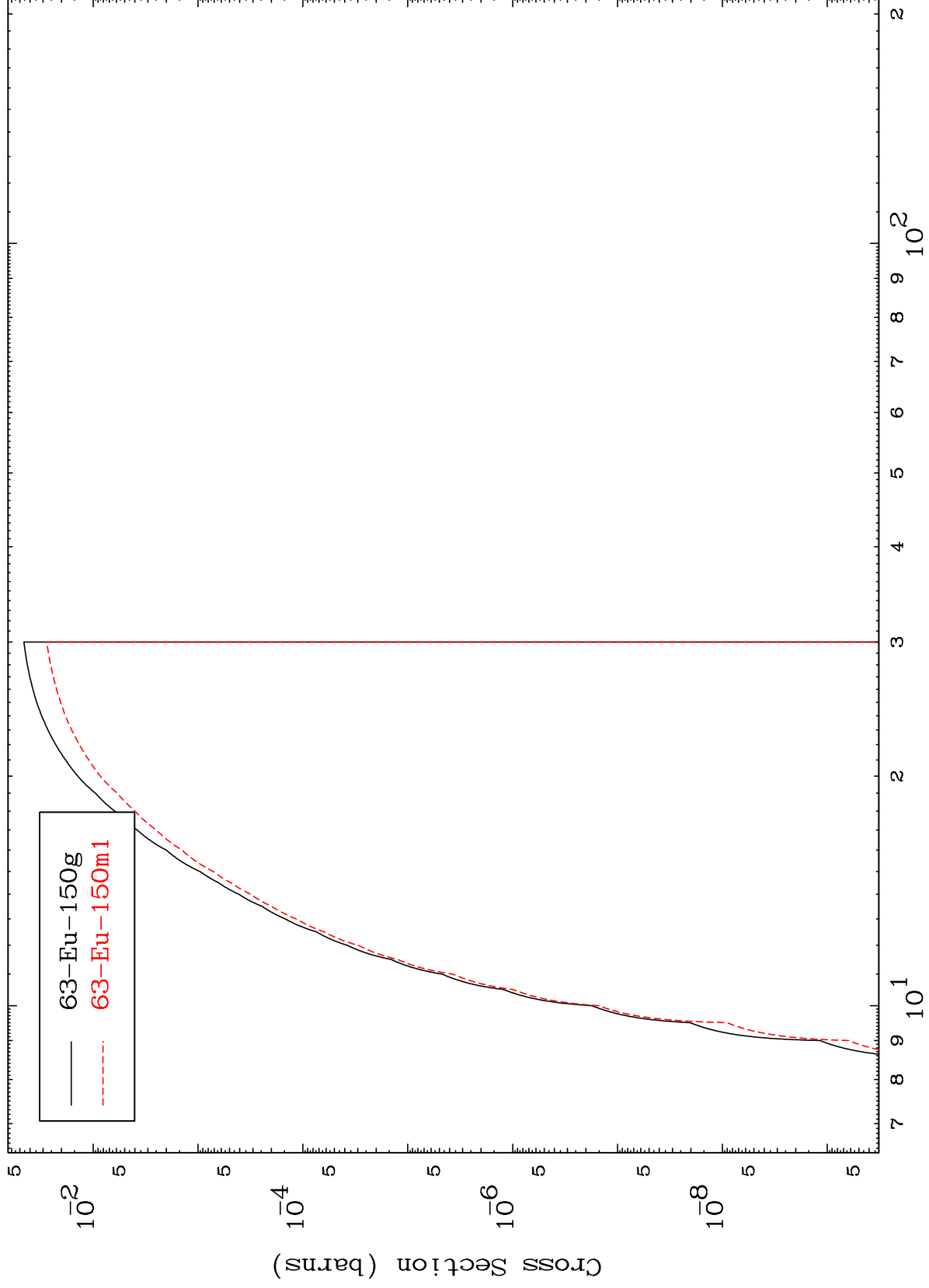


MAT 6422

(n,n') p

64-Gd-151

Radionuclide Production Cross Section



138

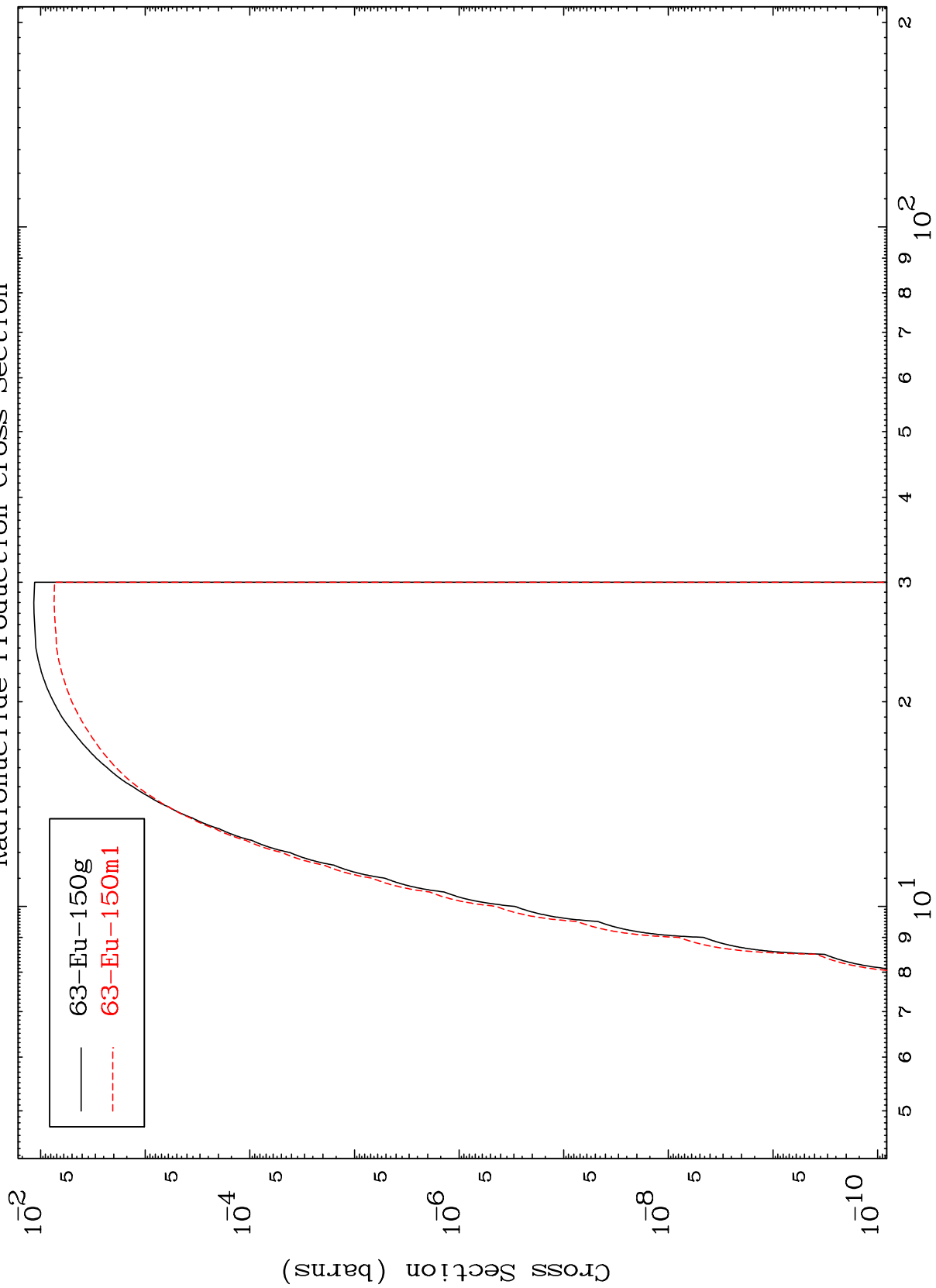
Incident Energy (MeV)

64-Gd-151

MAT 6422

64-Gd-151

(n,d)
Radionuclide Production Cross Section



139

Incident Energy (MeV)

64-Gd-151