

Program EVALPLOT
(Version 2021-1)

by

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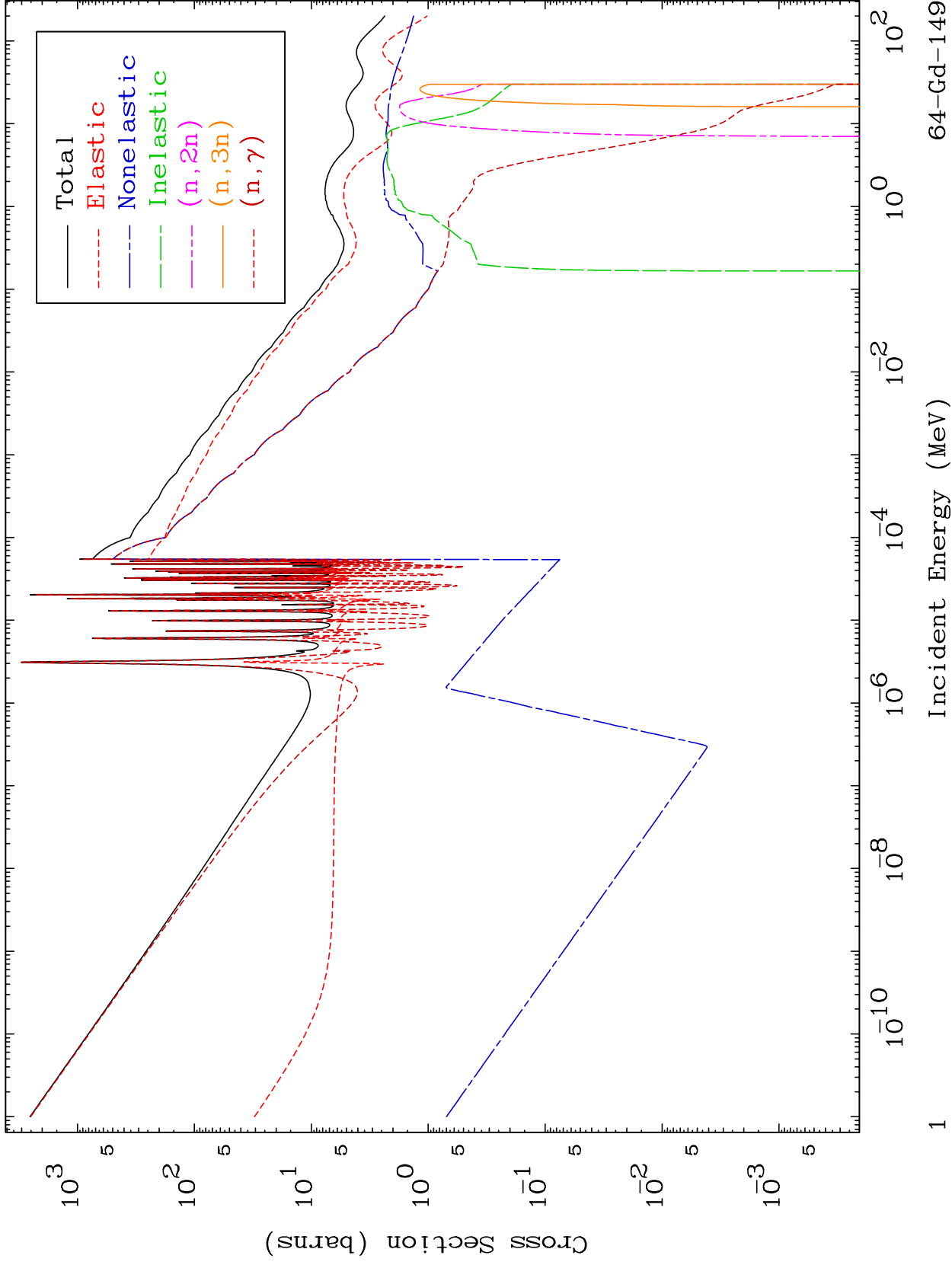
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Press Mouse Button to Start

MAT 6416

Neutron Major
293 Kelvin Cross Sections

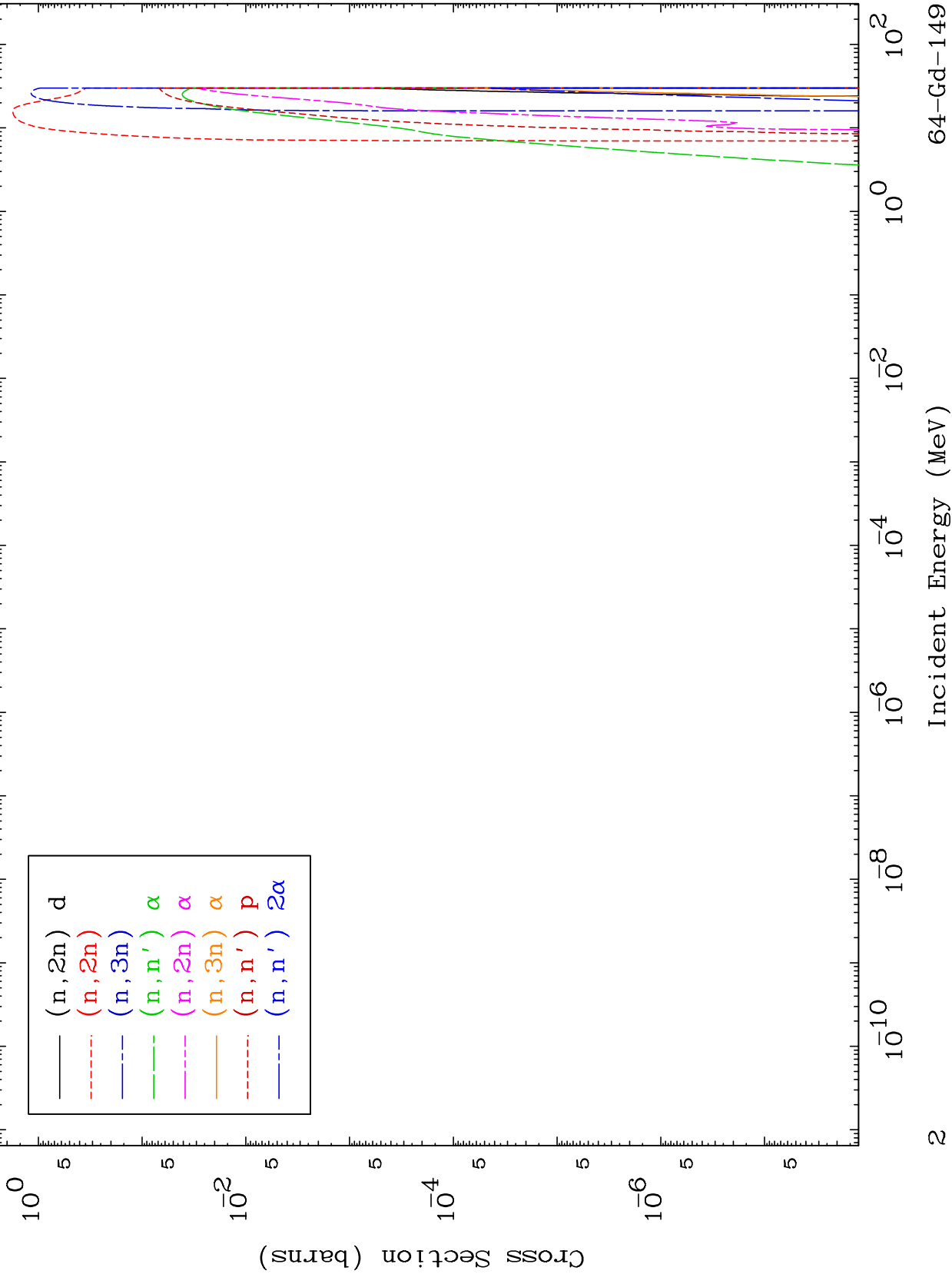
64-Gd-149



MAT 6416

Neutron Absorption
293 Kelvin Cross Sections

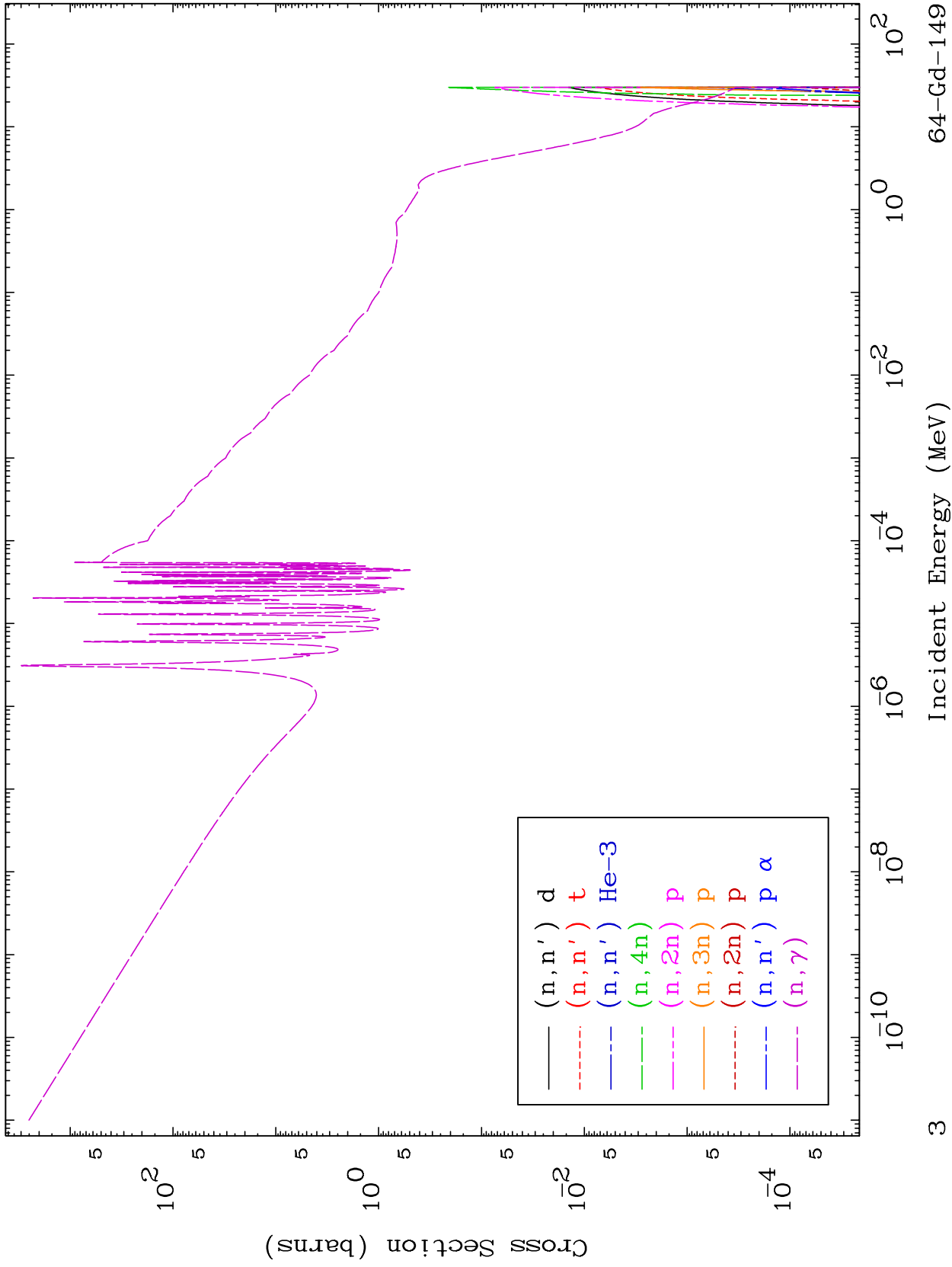
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MAT 6416

Neutron Absorption
293 Kelvin Cross Sections

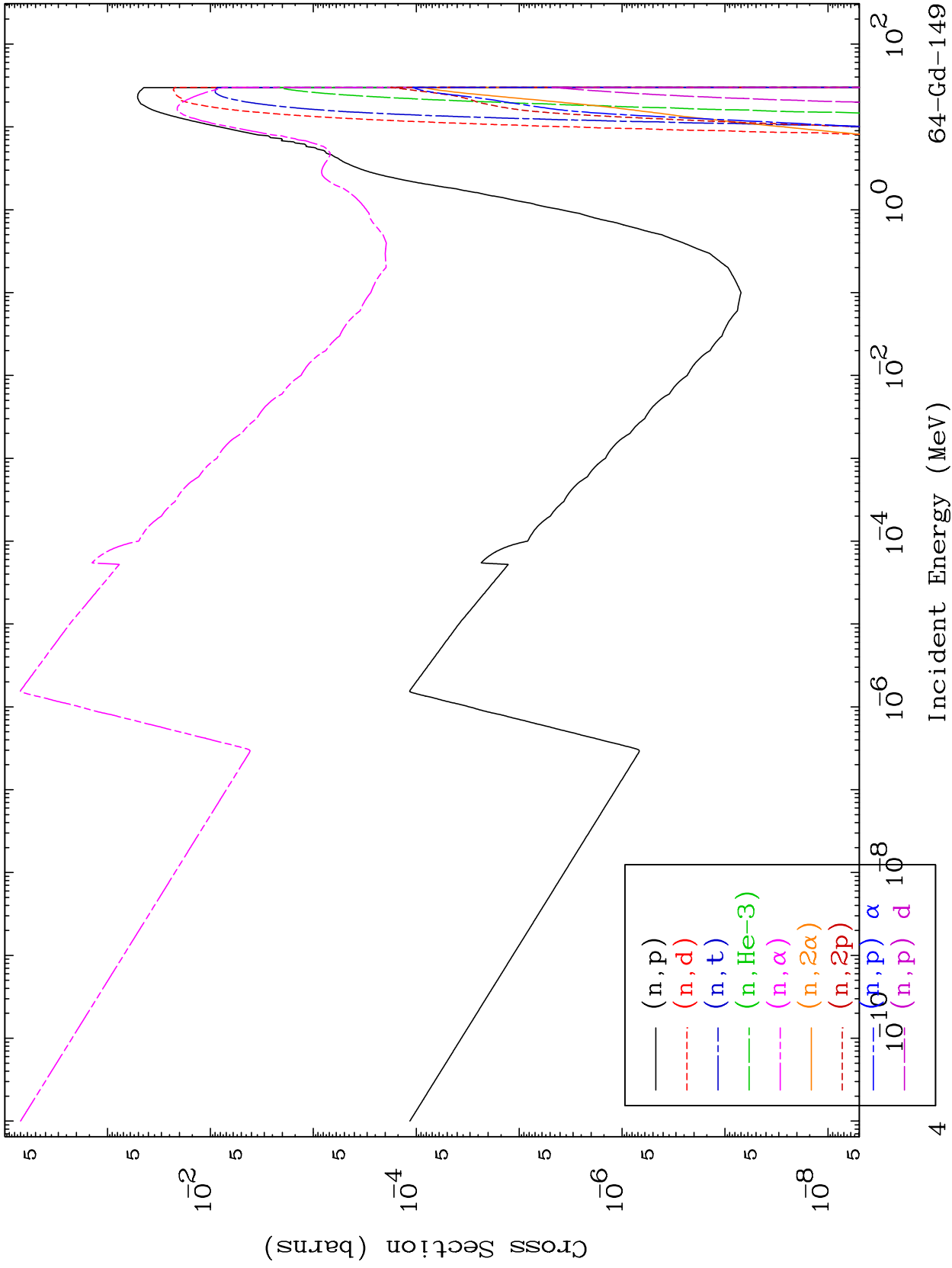
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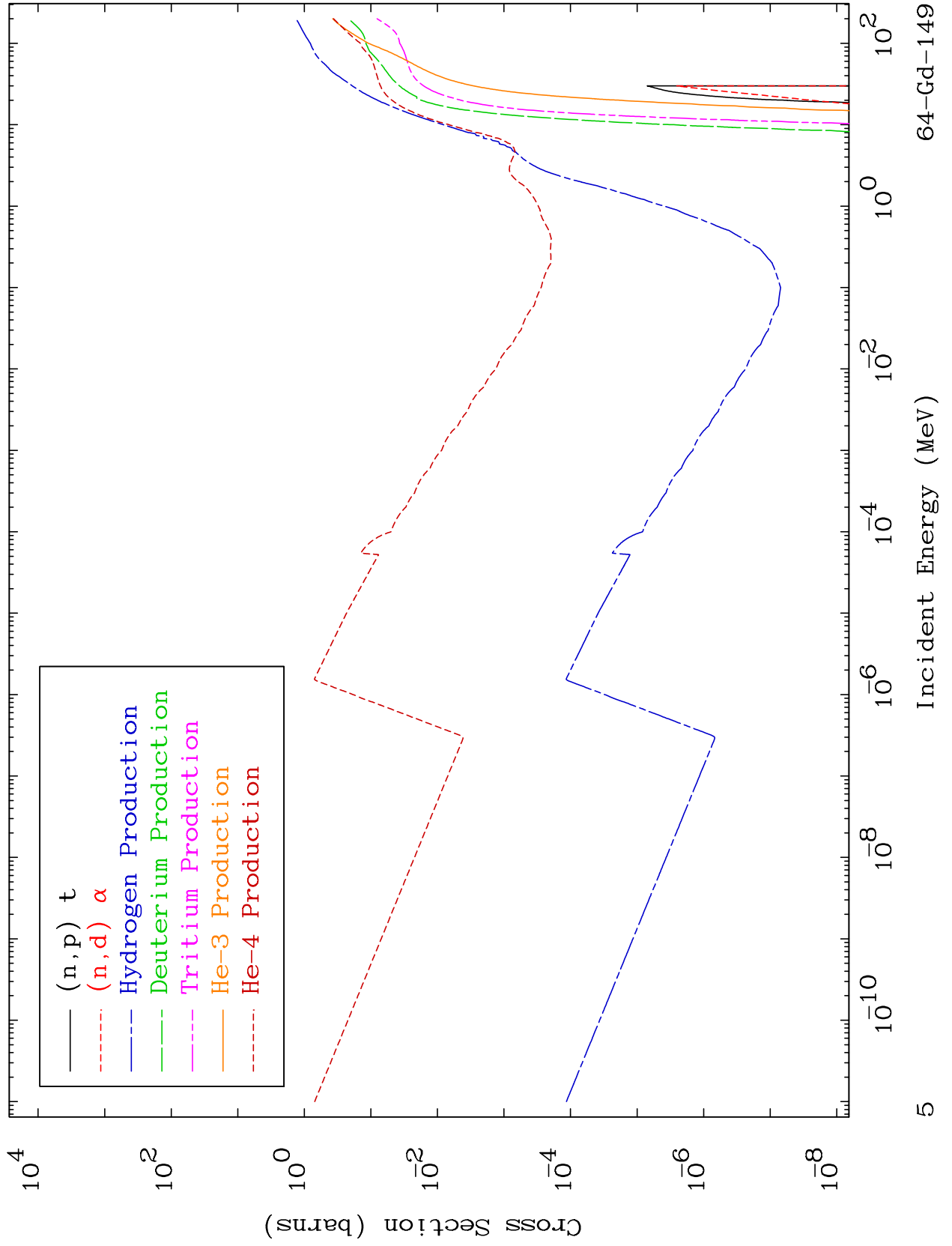


MAT 6416

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-149

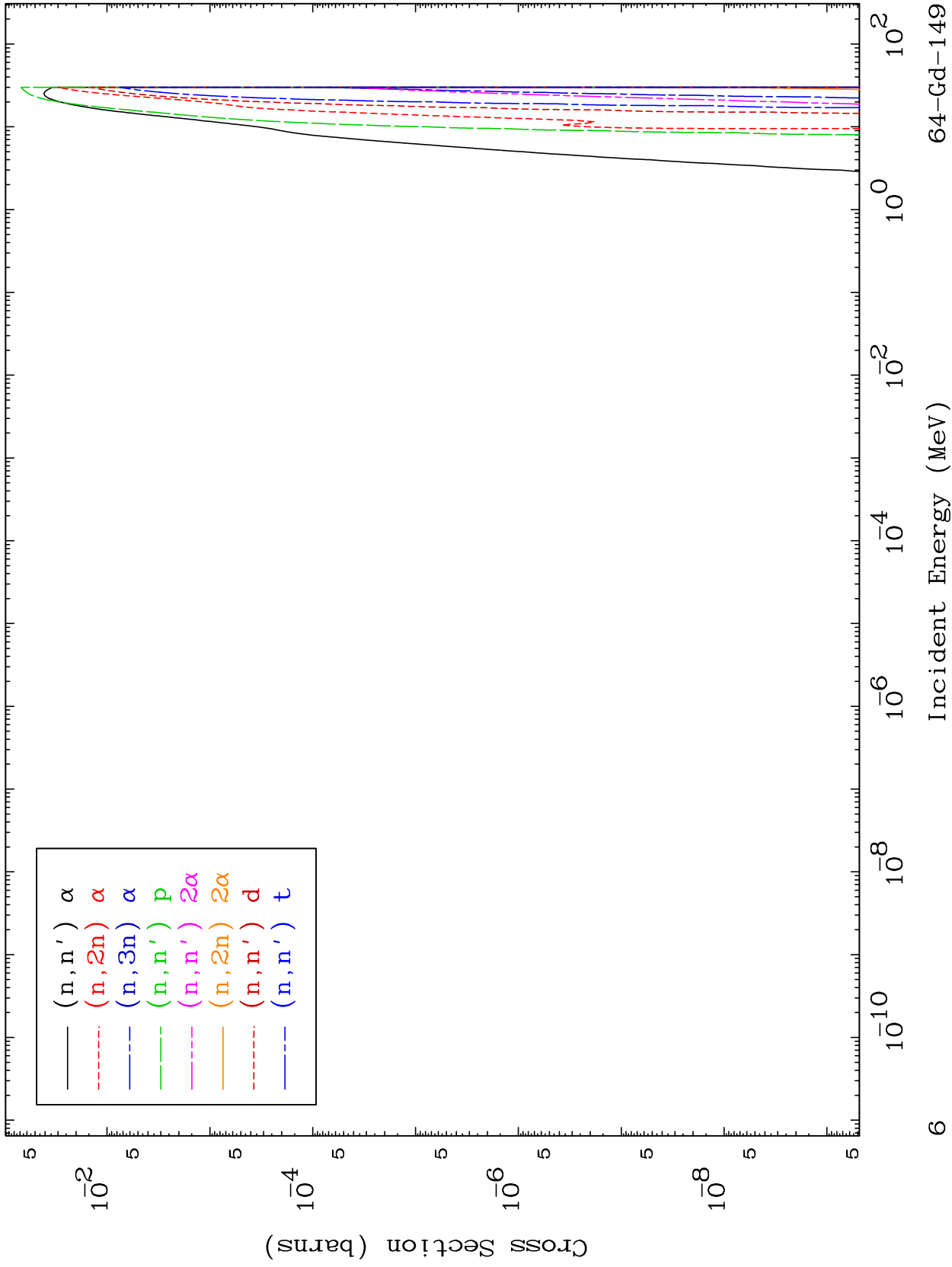




MAT 6416

Charged Particle
293 Kelvin Cross Sections

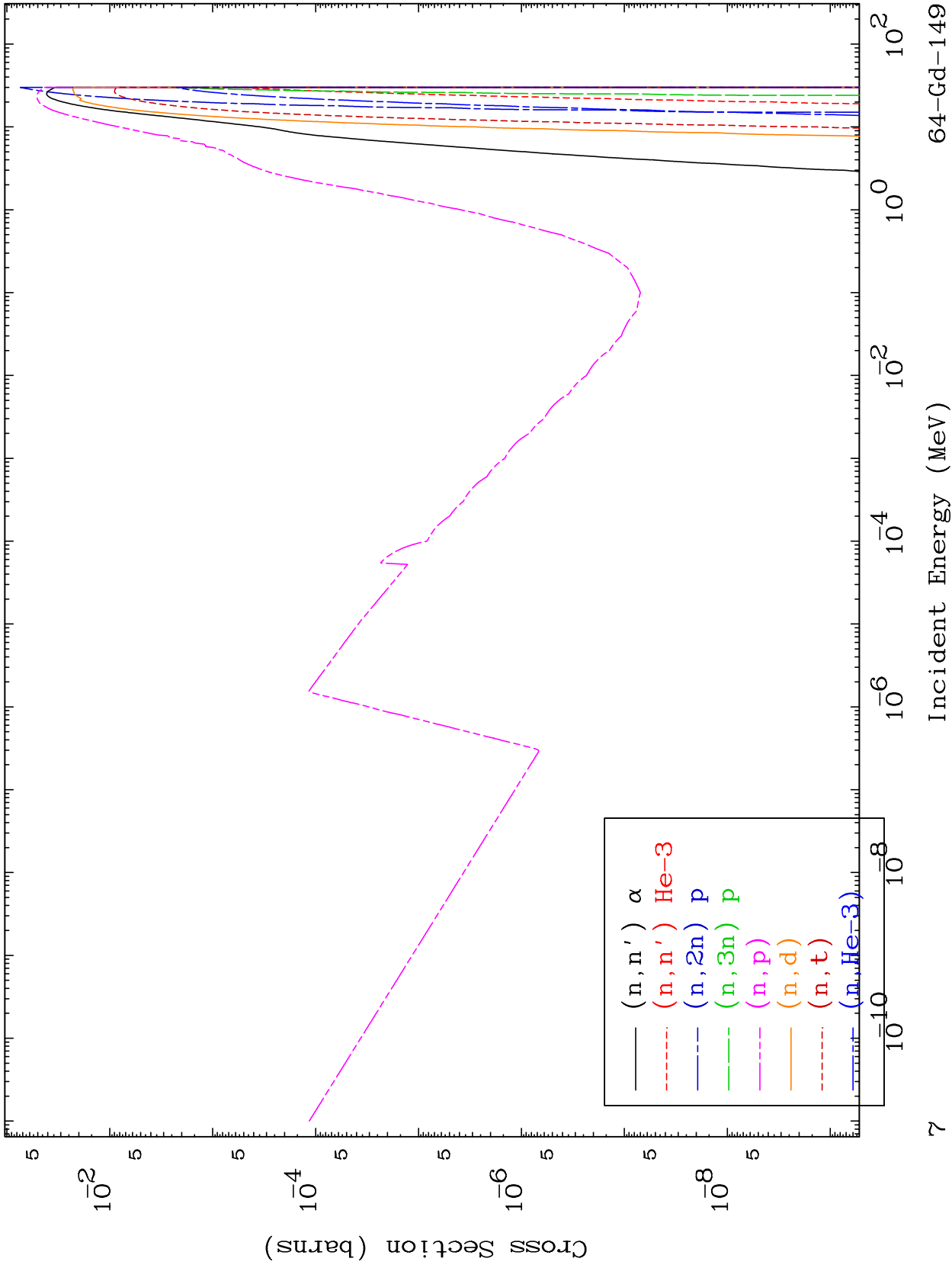
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MAT 6416

Charged Particle
293 Kelvin Cross Sections

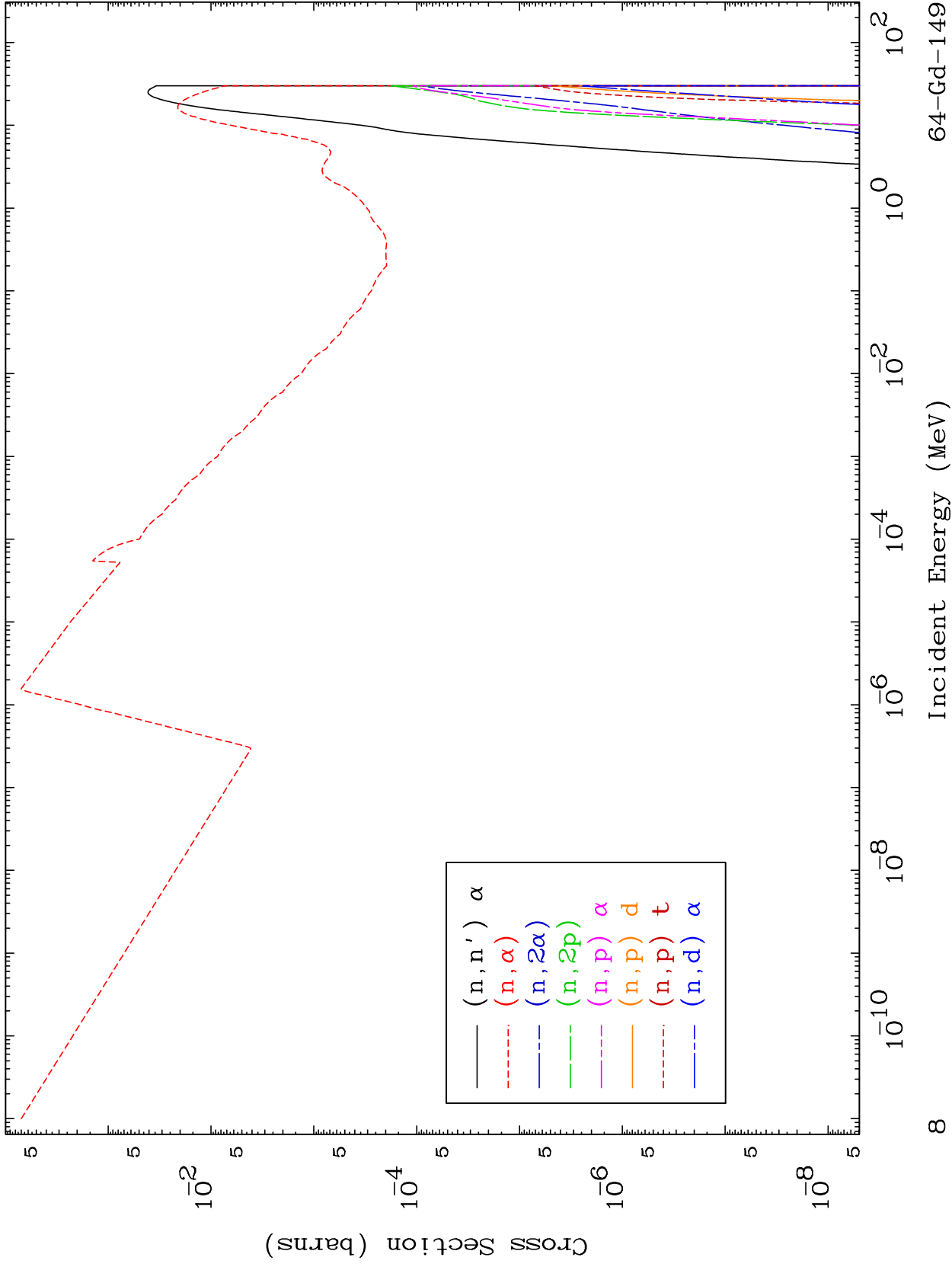
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MAT 6416

Charged Particle
293 Kelvin Cross Sections

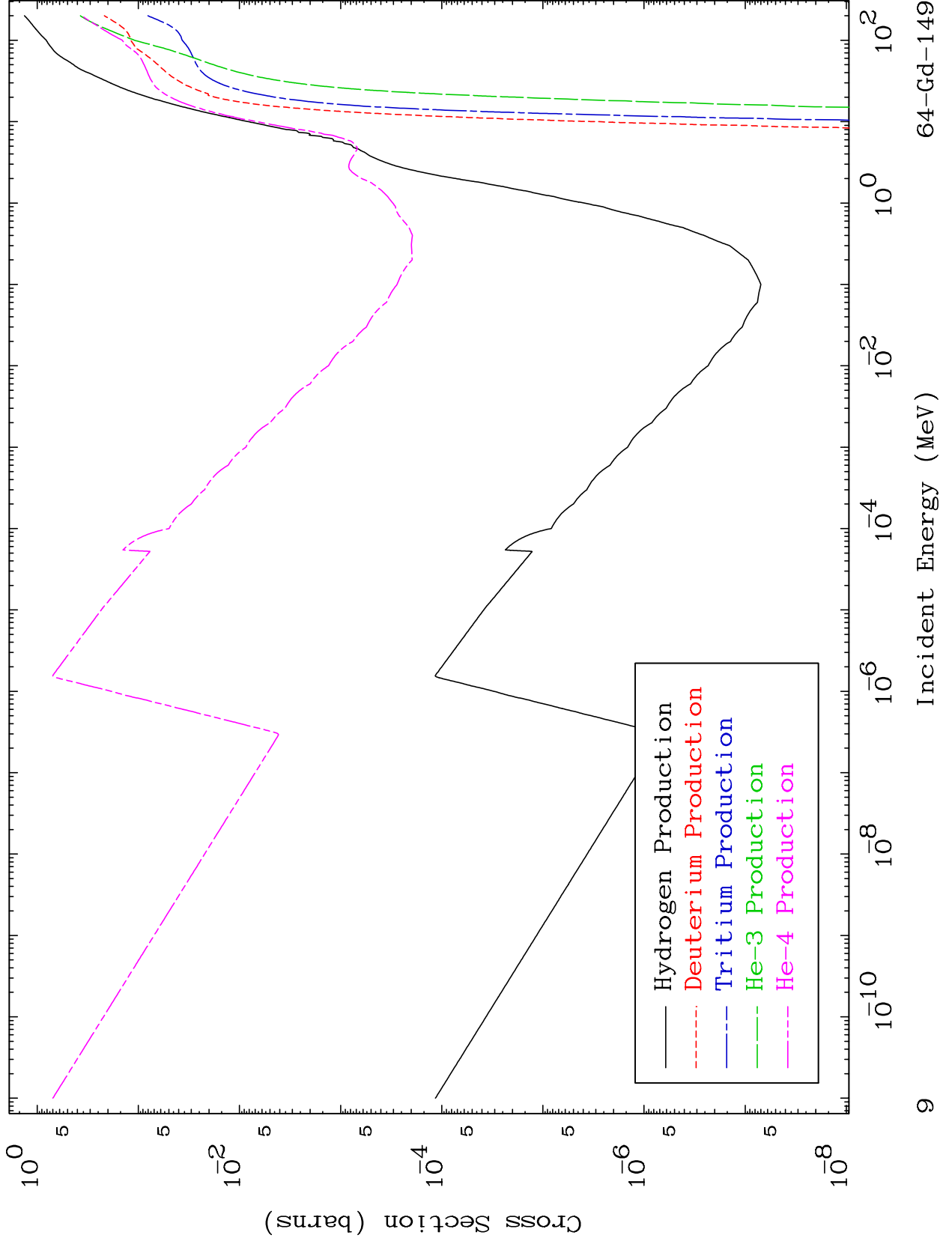
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MAT 6416

Particle Production
293 Kelvin Cross Sections

64-Gd-149

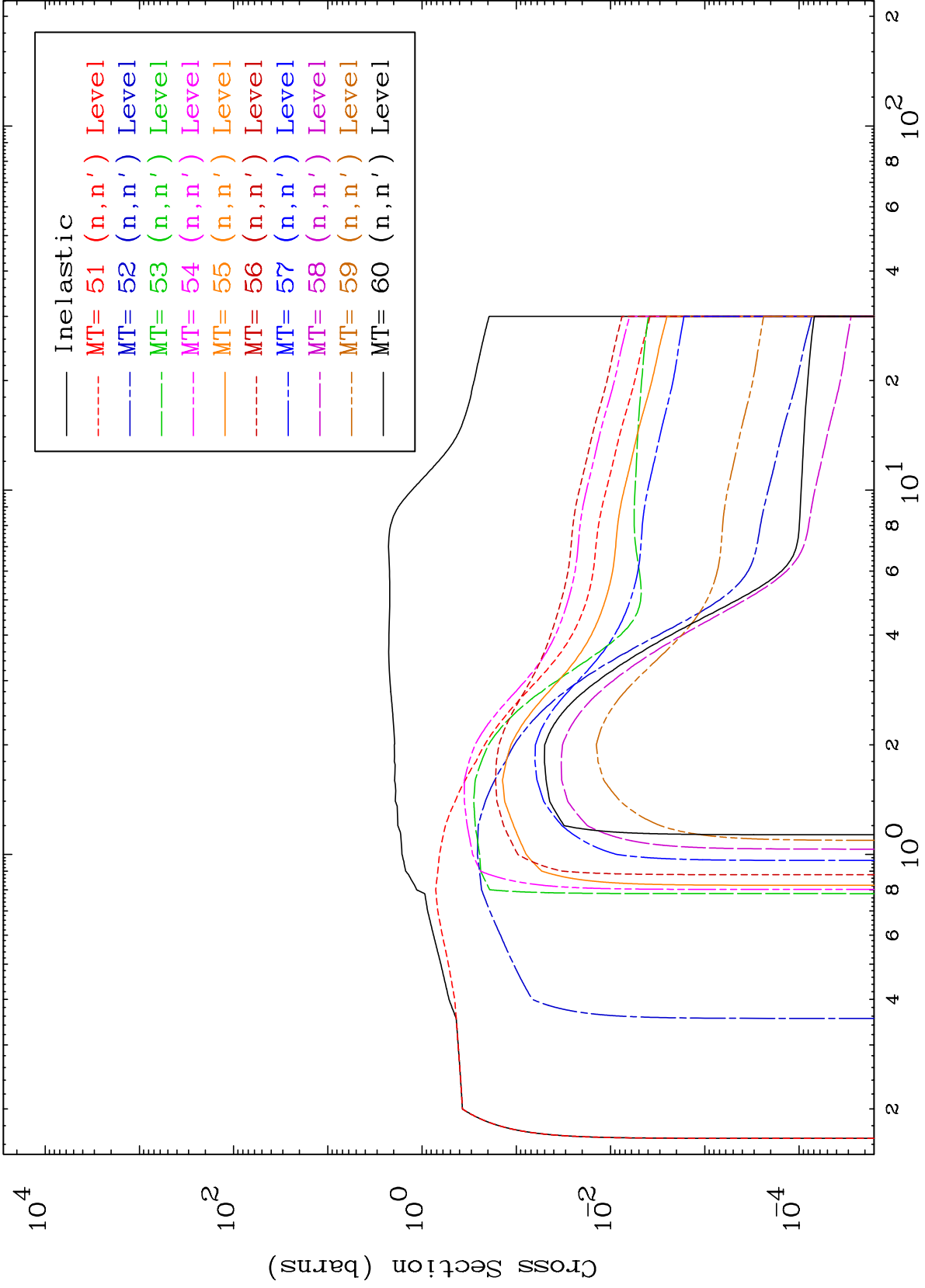


MAT 6416

(n,n') Levels

64-Gd-149

293 Kelvin Cross Sections



10

Incident Energy (MeV)

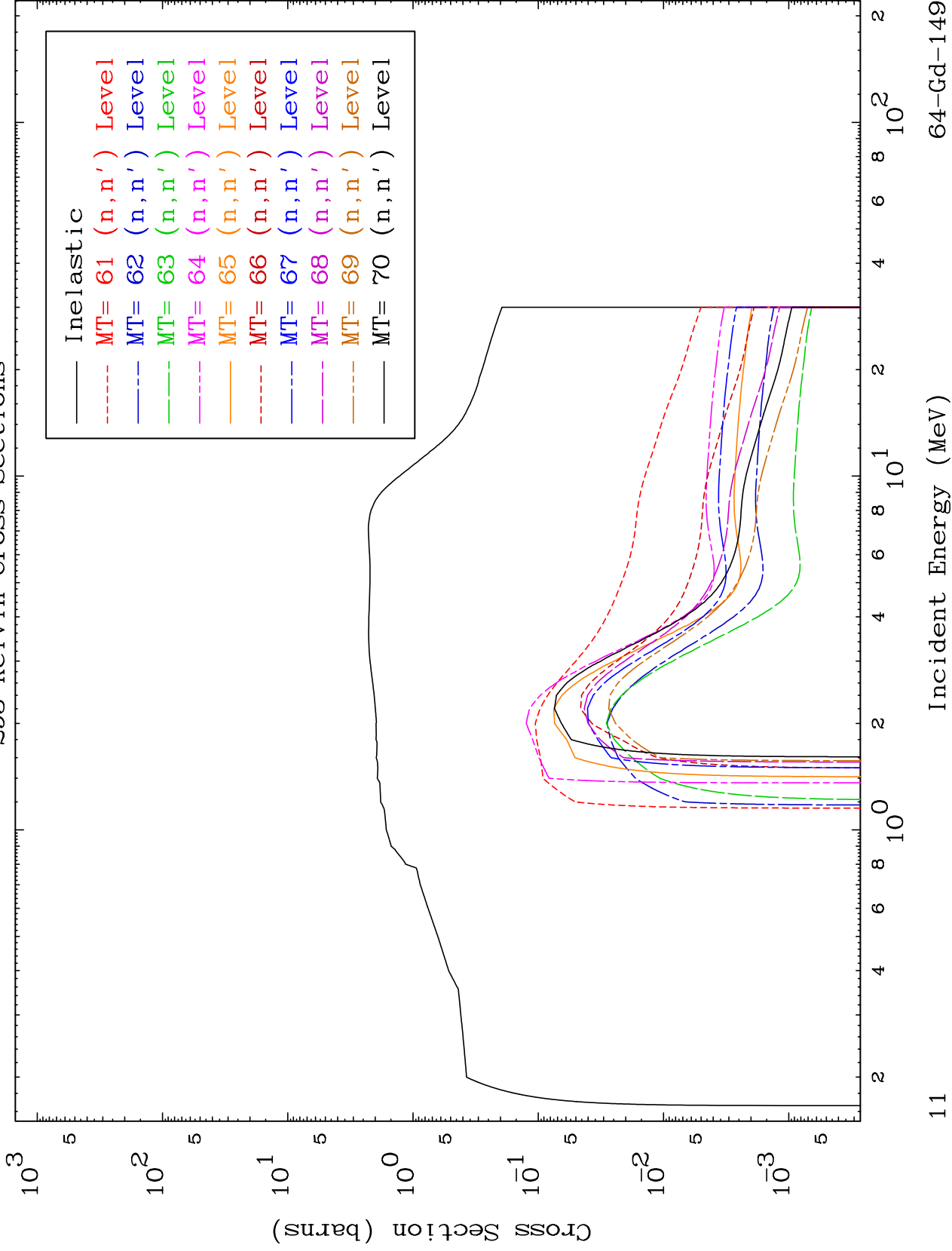
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MAT 6416

(n,n') Levels

64-Gd-149

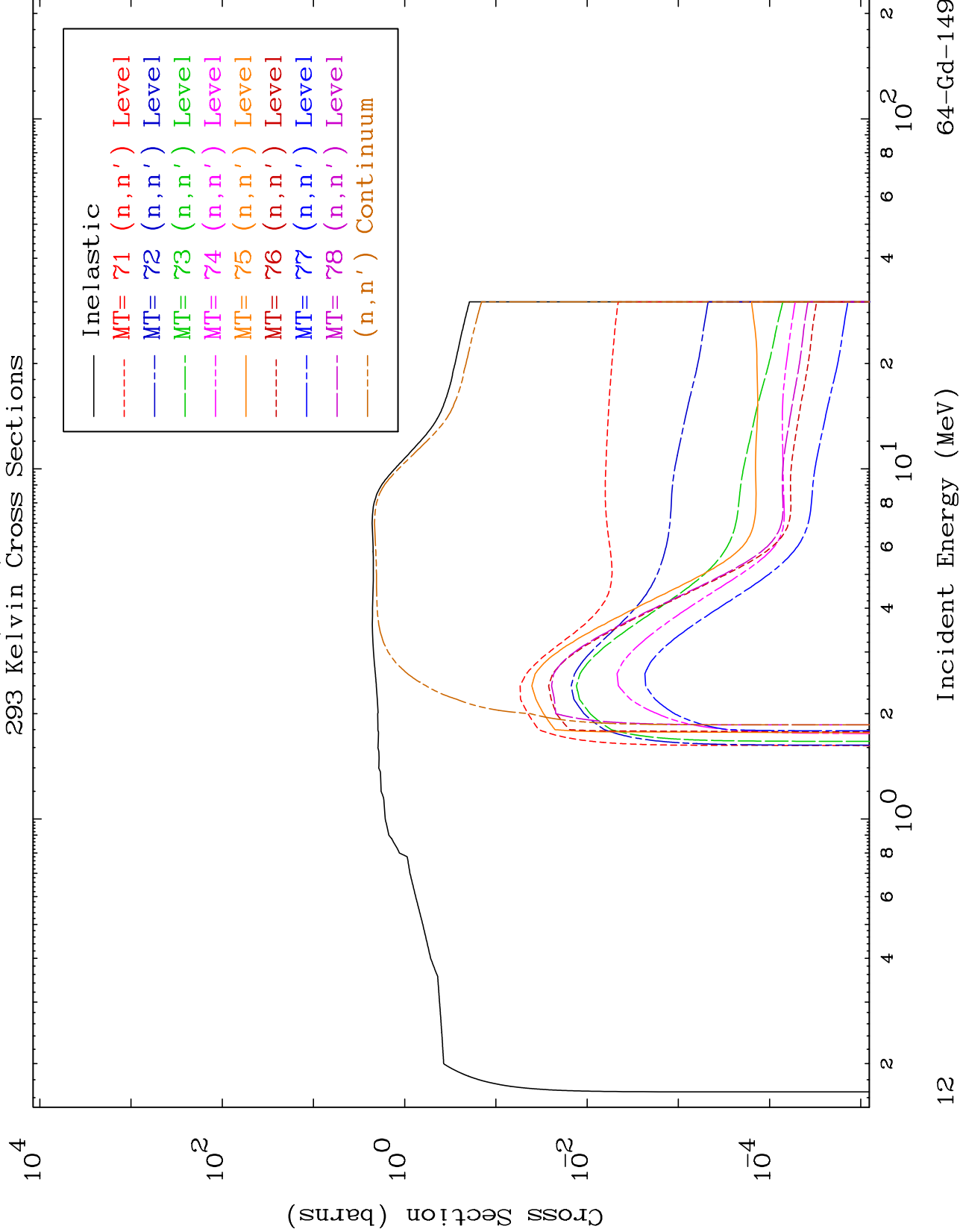
293 Kelvin Cross Sections



MAT 6416

(n,n') Levels

64-Gd-149



12

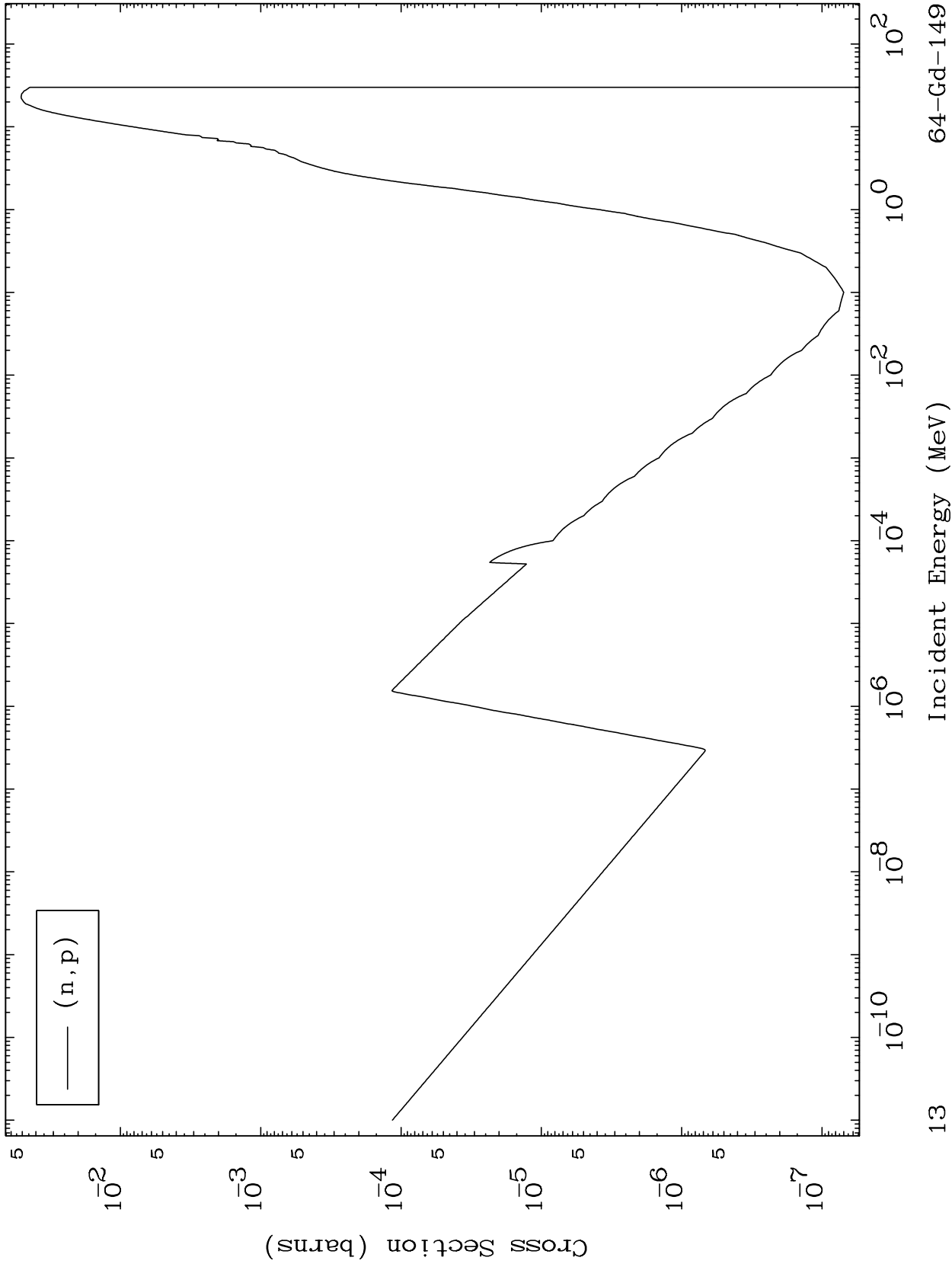
Incident Energy (MeV)

64-Gd-149

MAT 6416

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-149



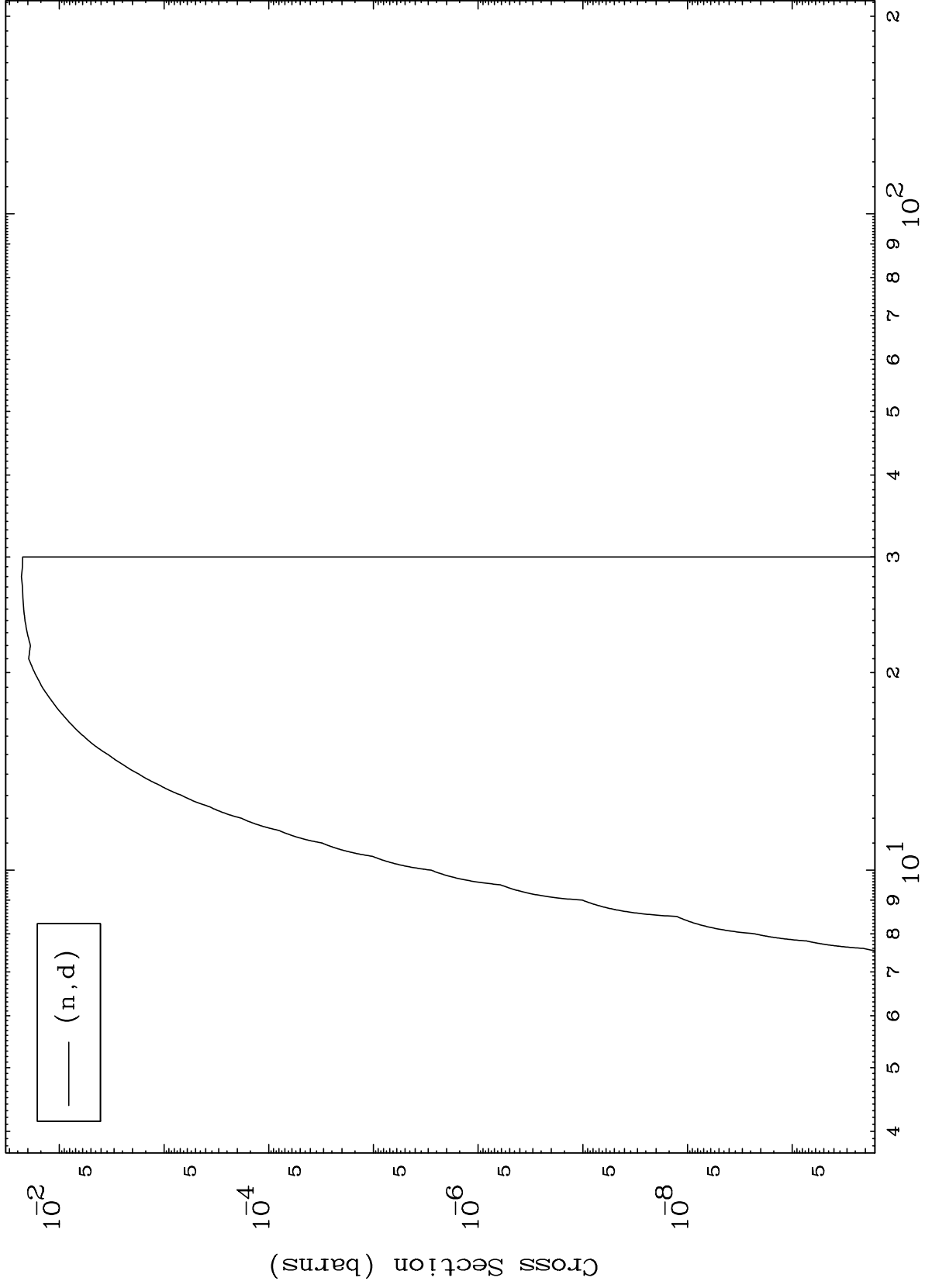
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64-Gd-149

MAT 6416

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-149



14

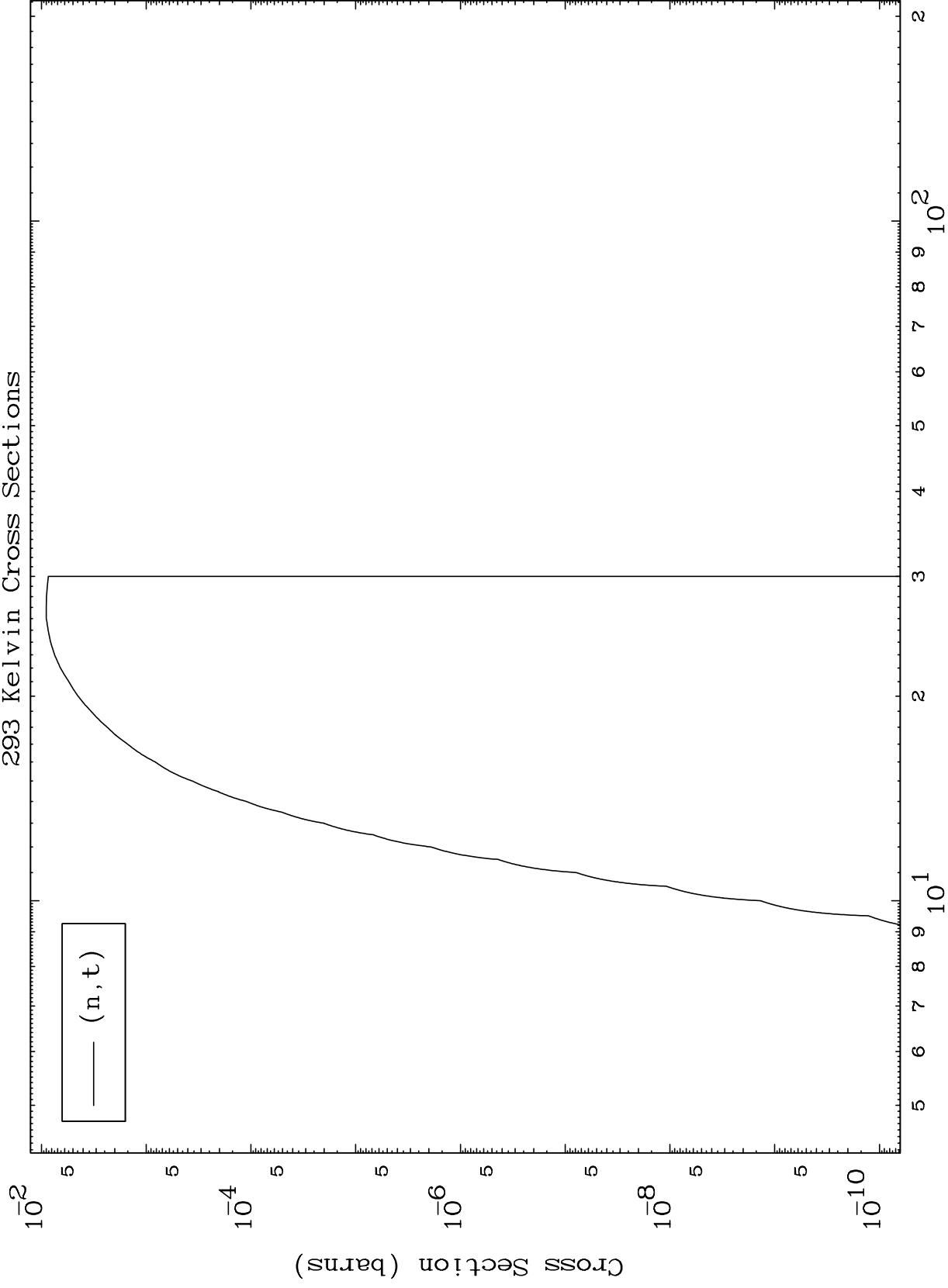
Incident Energy (MeV)

64-Gd-149

MAT 6416

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-149



15

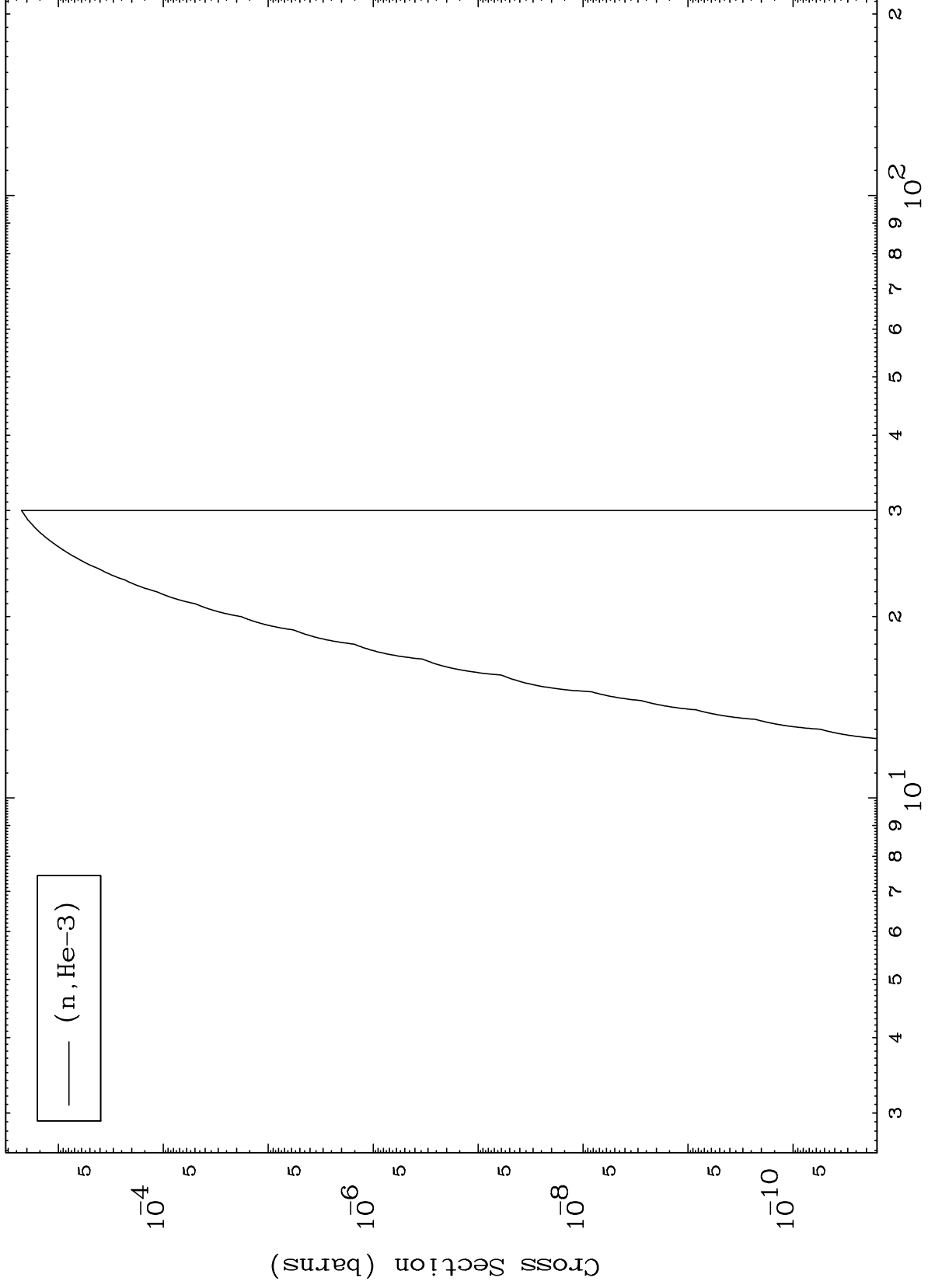
Incident Energy (MeV)

64-Gd-149

MAT 6416

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-149



16

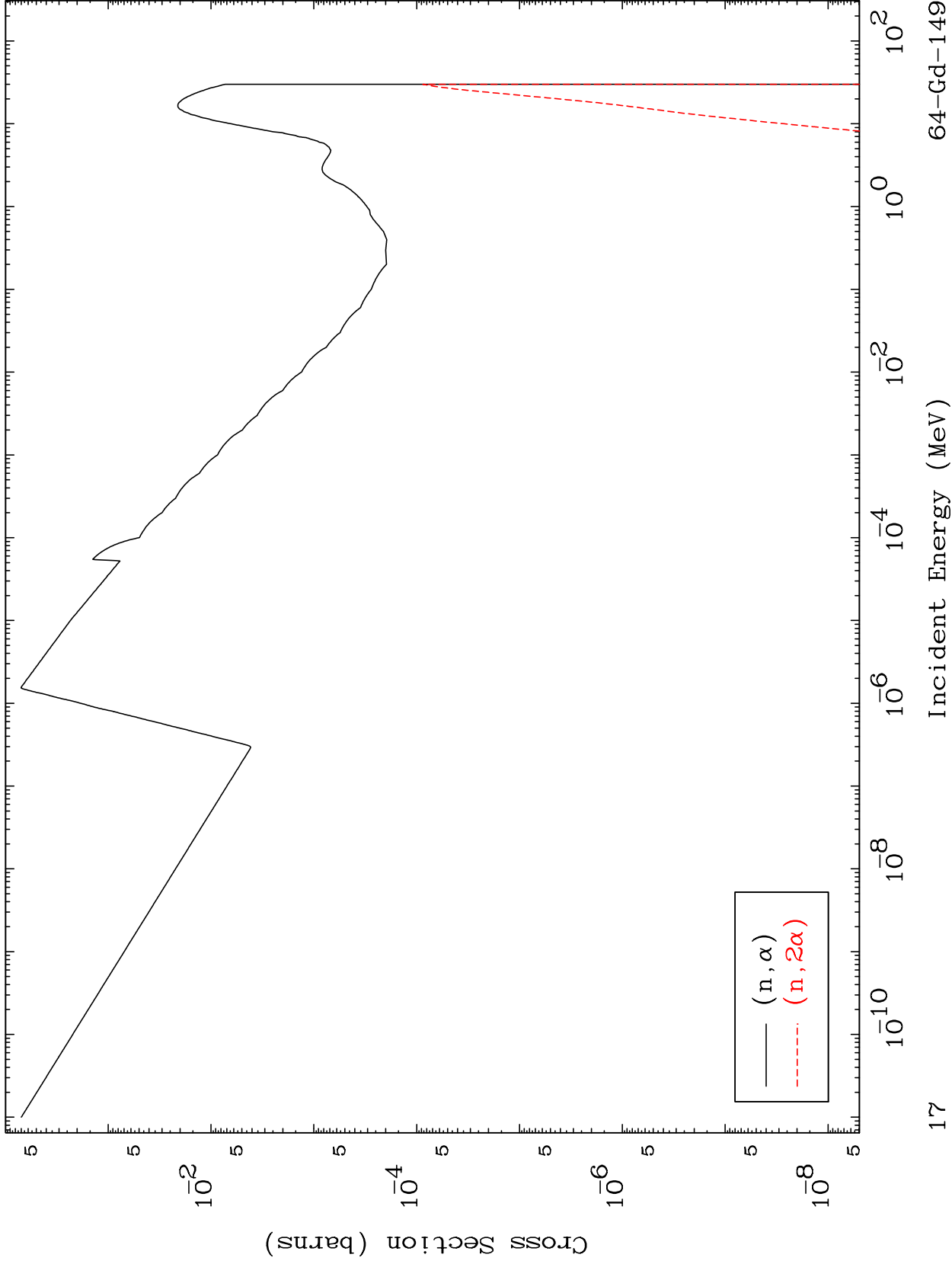
Incident Energy (MeV)

64-Gd-149

MAT 6416

(n,α) Levels
293 Kelvin Cross Sections

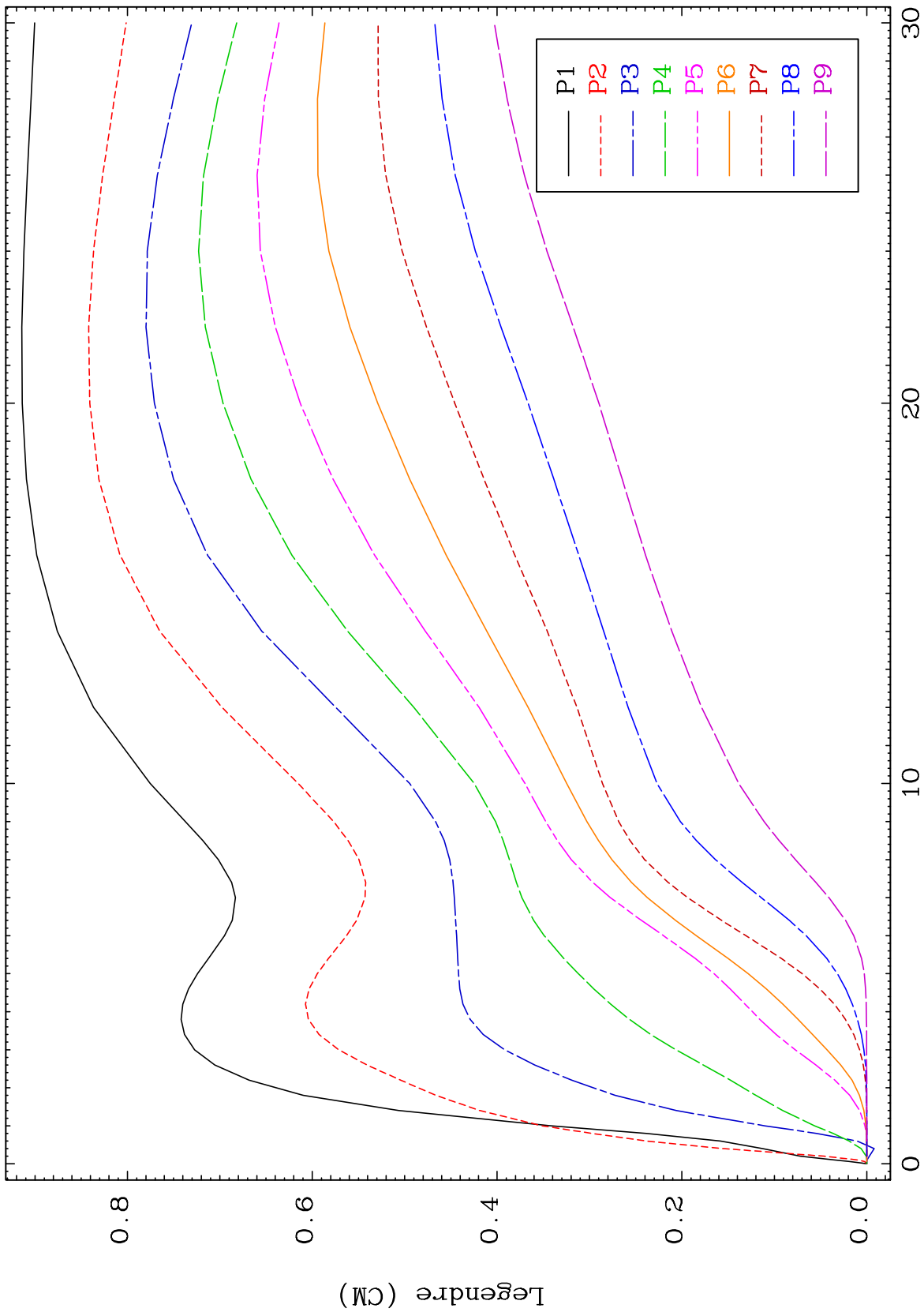
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MAT 6416

64-Gd-149

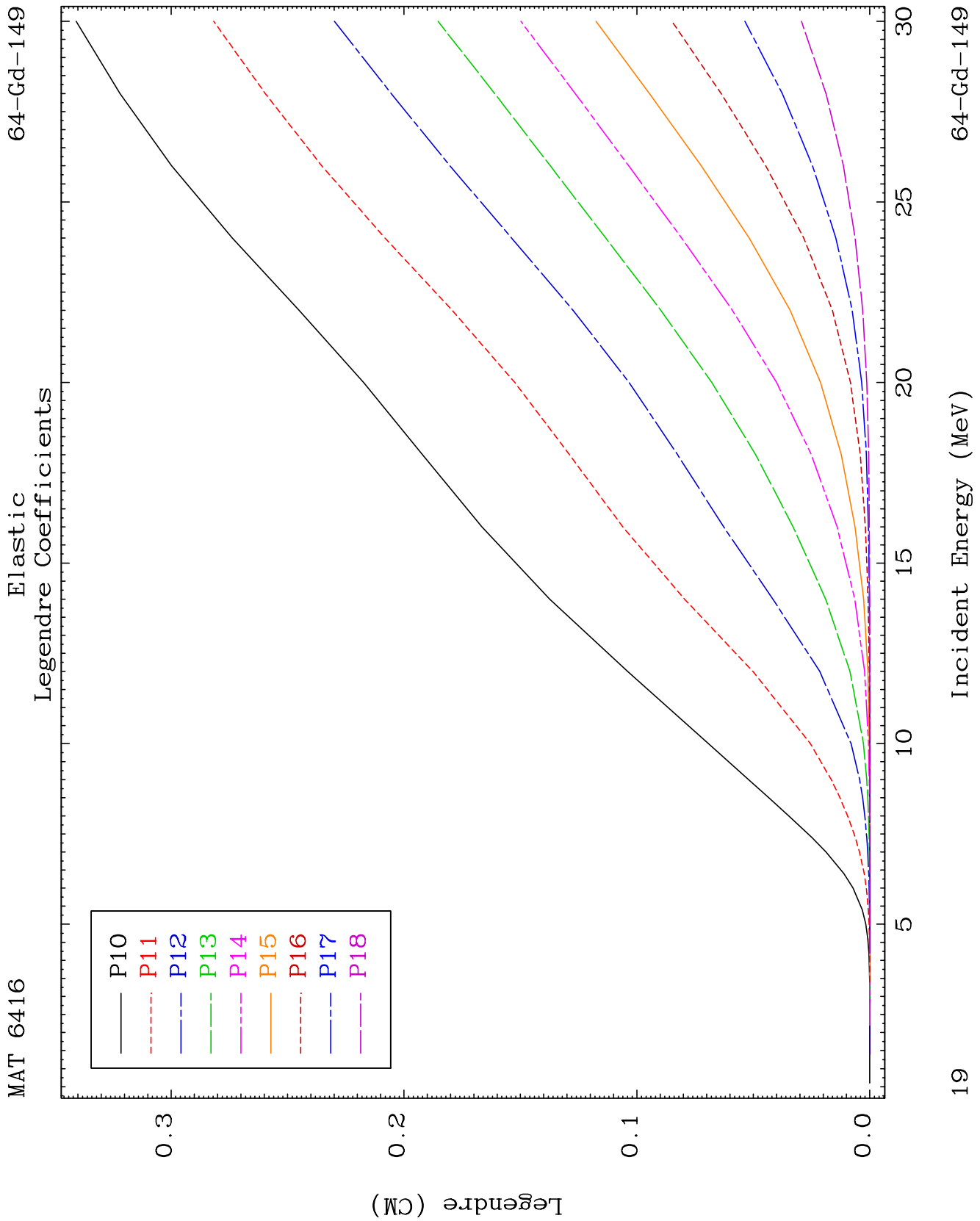
Elastic Legendre Coefficients



64-Gd-149

Incident Energy (MeV)

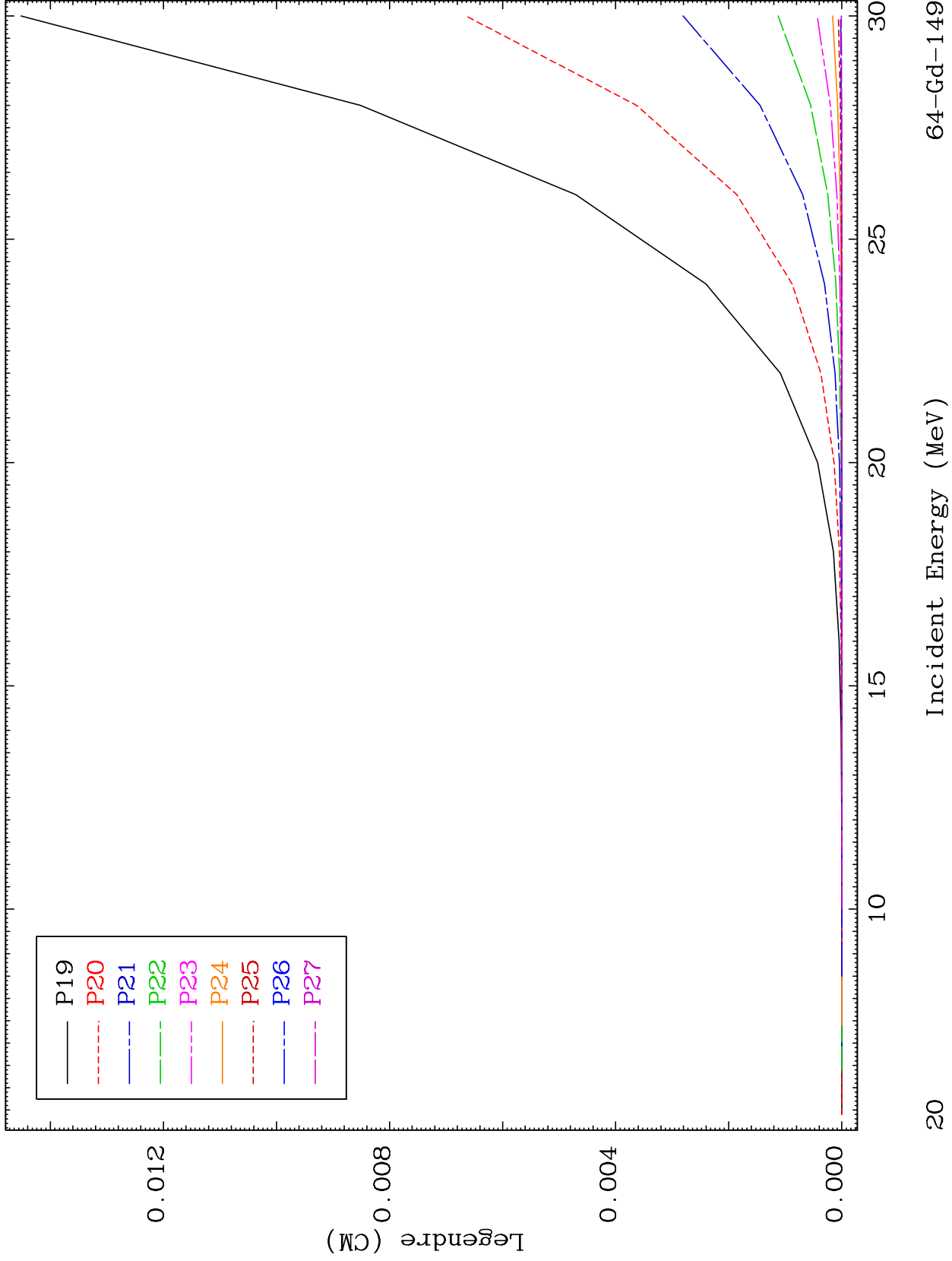
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MAT 6416

Elastic Legendre Coefficients

64-Gd-149



64-Gd-149

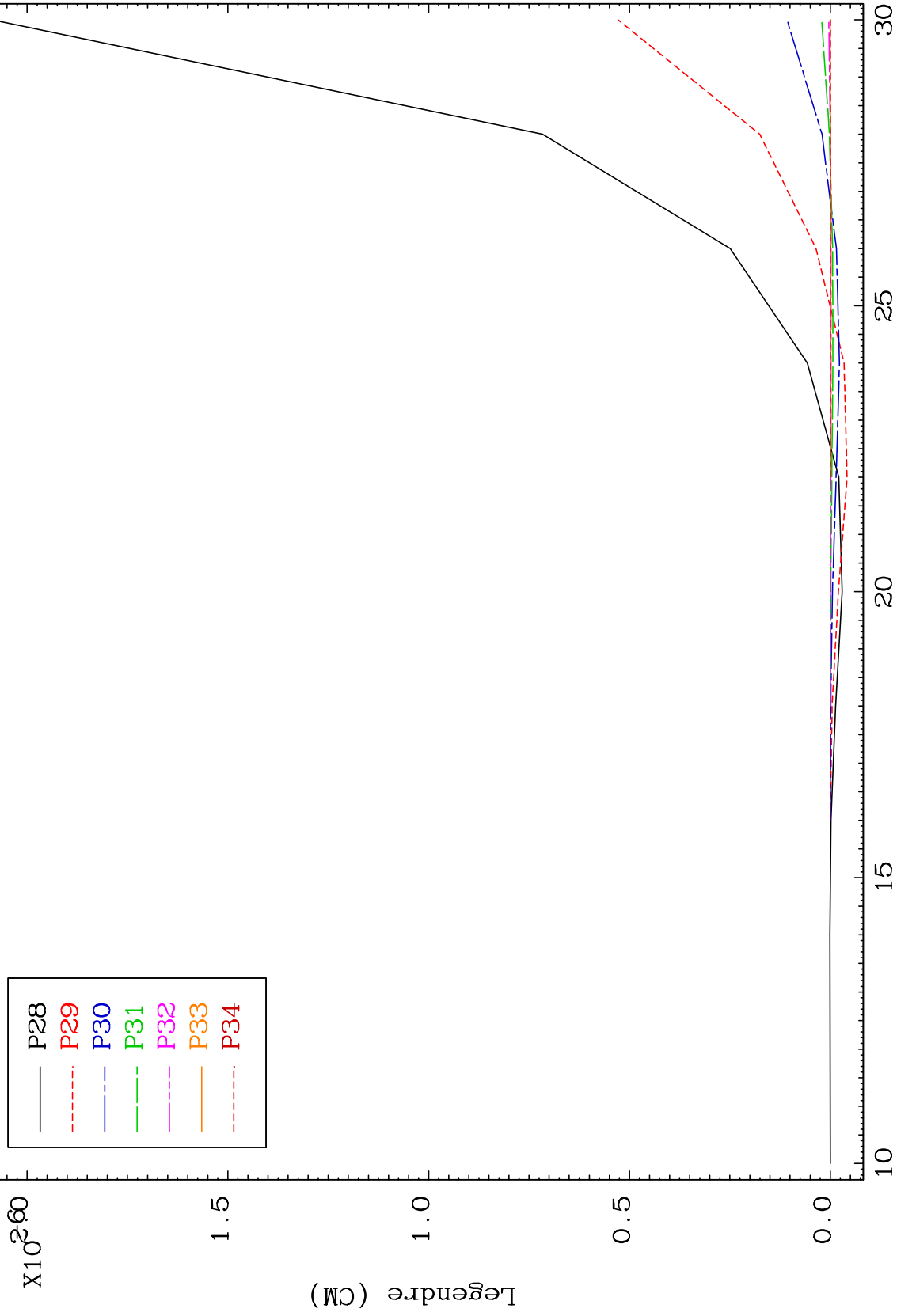
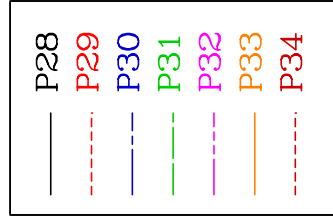
Incident Energy (MeV)

20

MAT 6416

Elastic
Legendre Coefficients

64-Gd-149



21

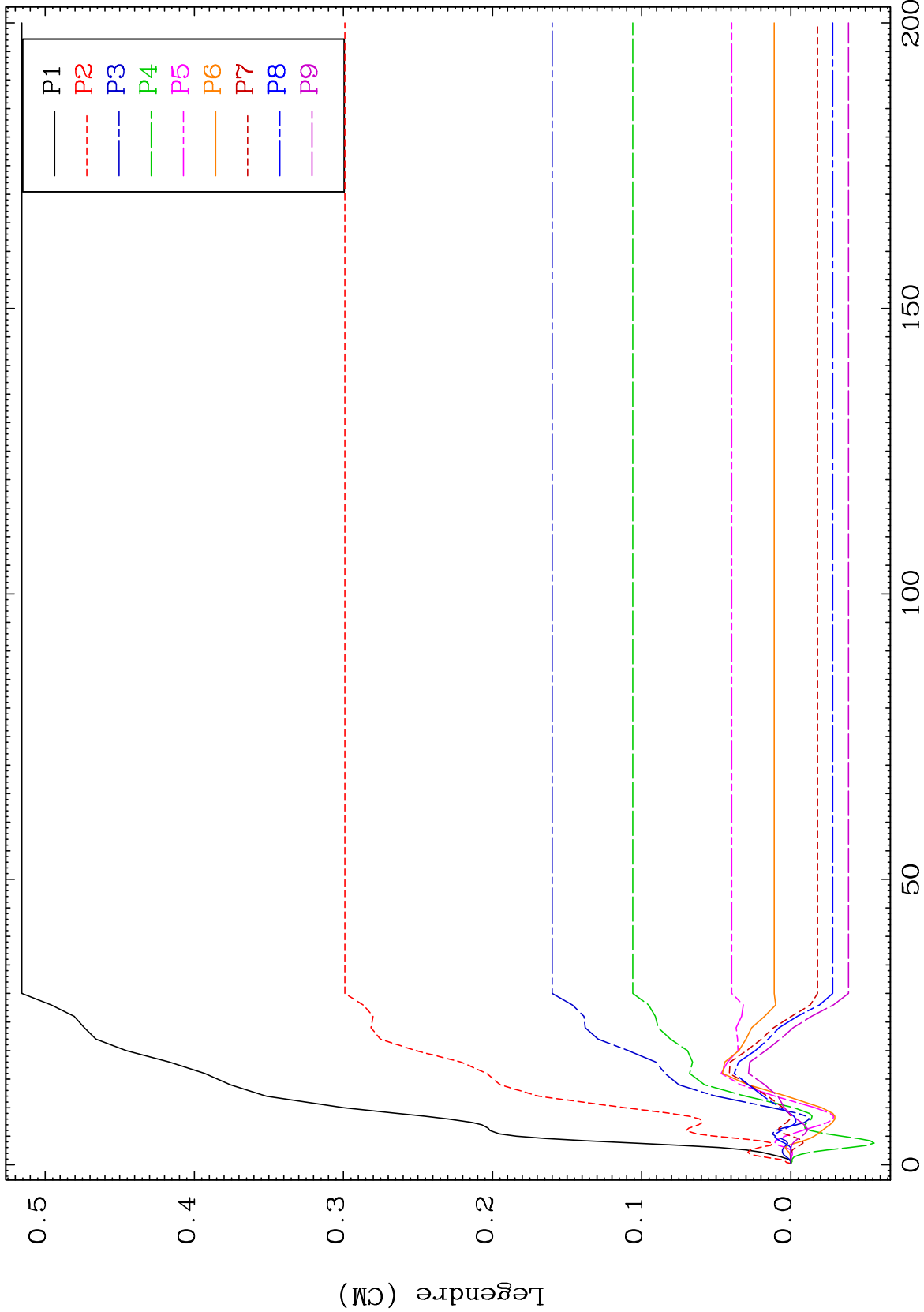
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 51 (n,n') Level
Legendre Coefficients

64-Gd-149



22

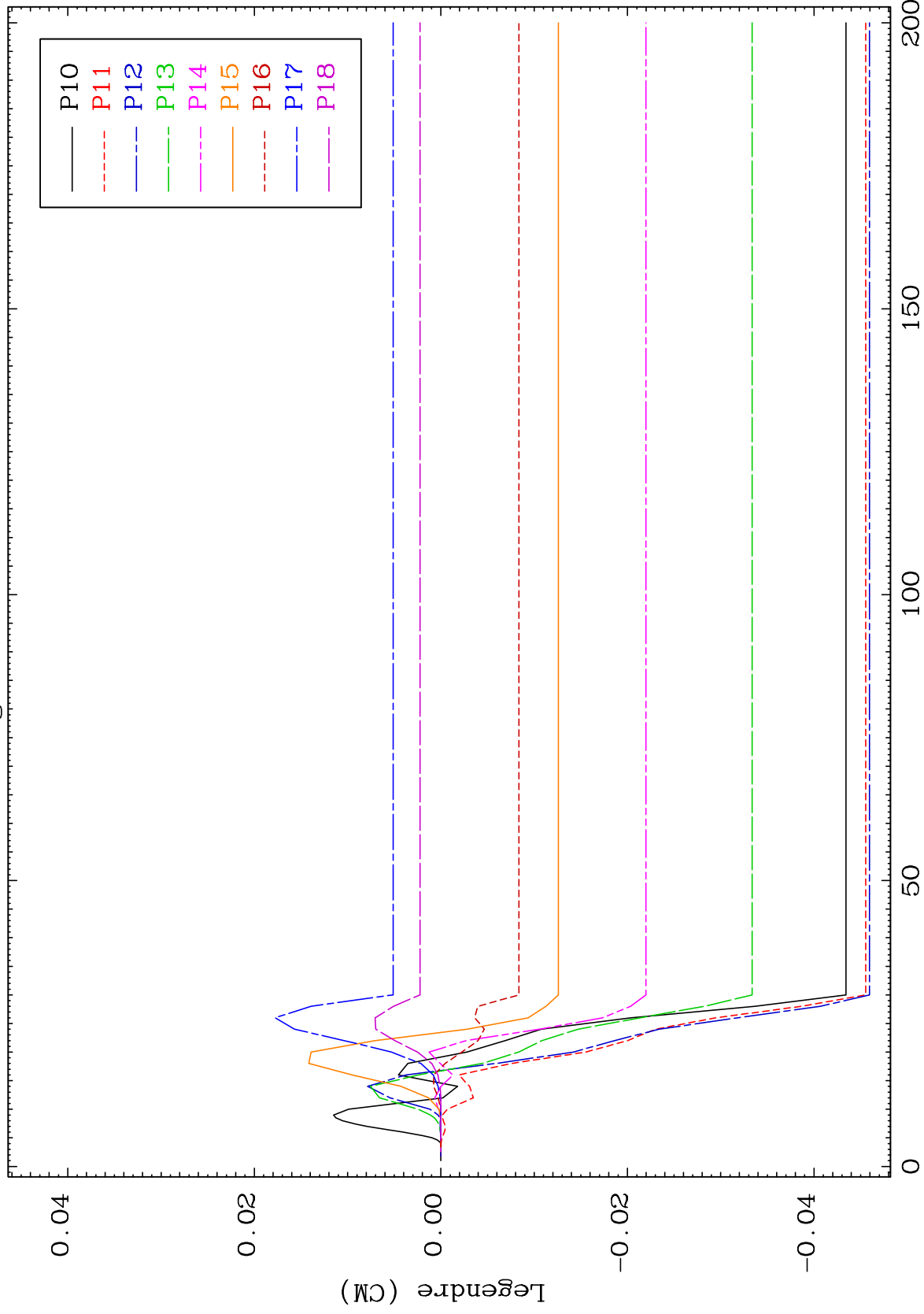
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 51 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

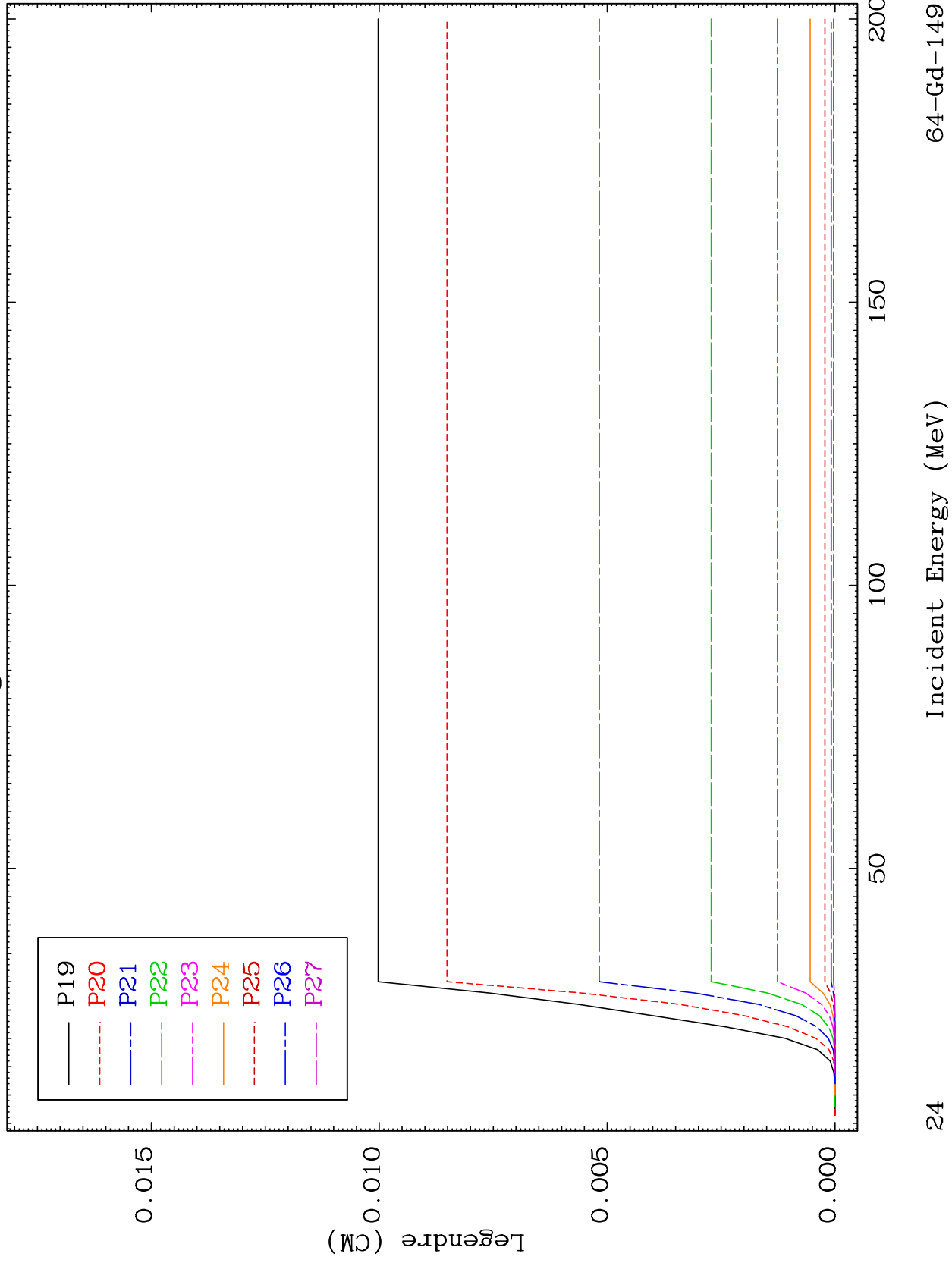
Incident Energy (MeV)

23

MAT 6416

MT= 51 (n,n') Level
Legendre Coefficients

64-Gd-149

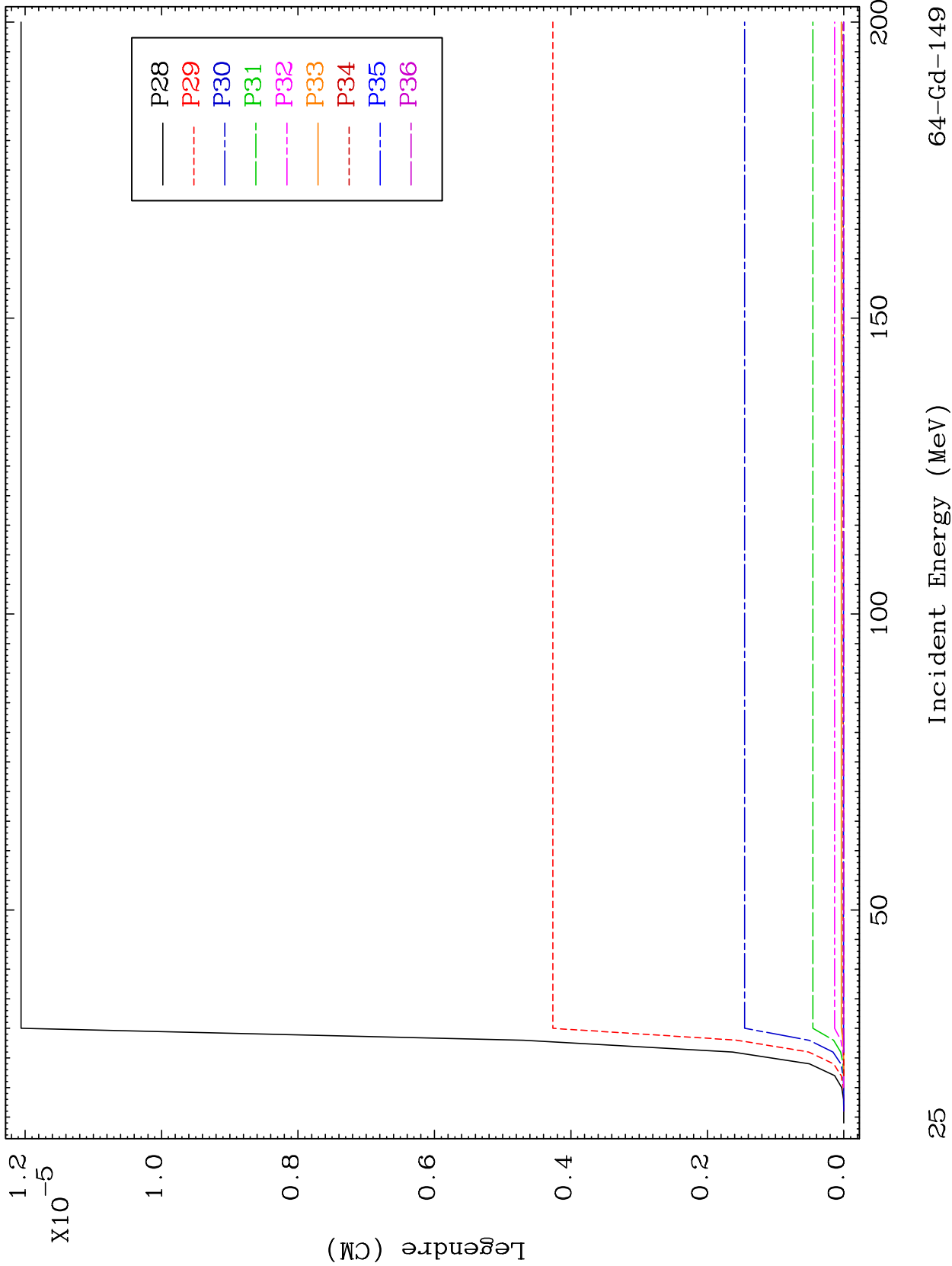


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MAT 6416

MT= 51 (n,n') Level
Legendre Coefficients

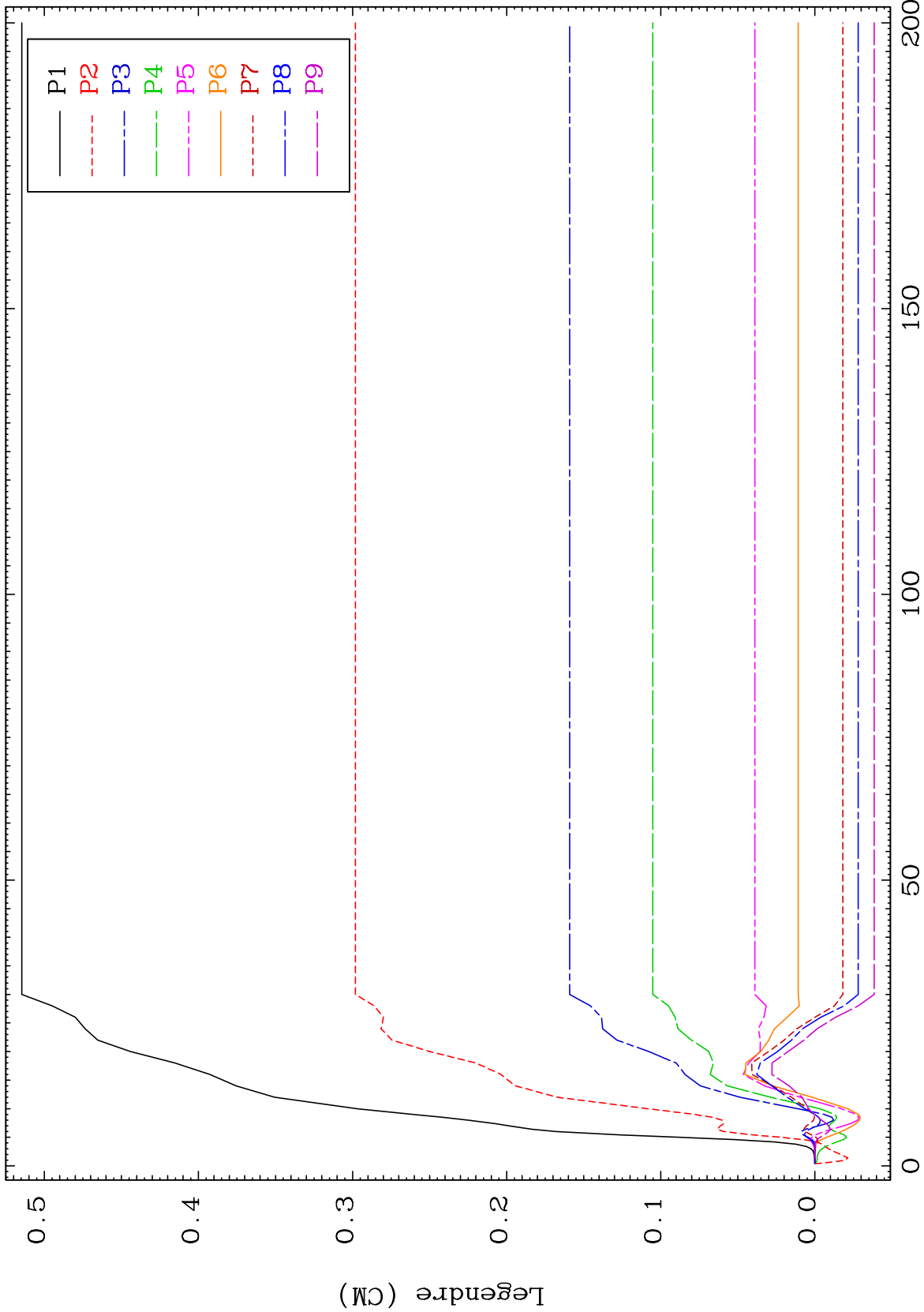
64-Gd-149



MAT 6416

MT= 52 (n,n') Level
Legendre Coefficients

64-Gd-149



26

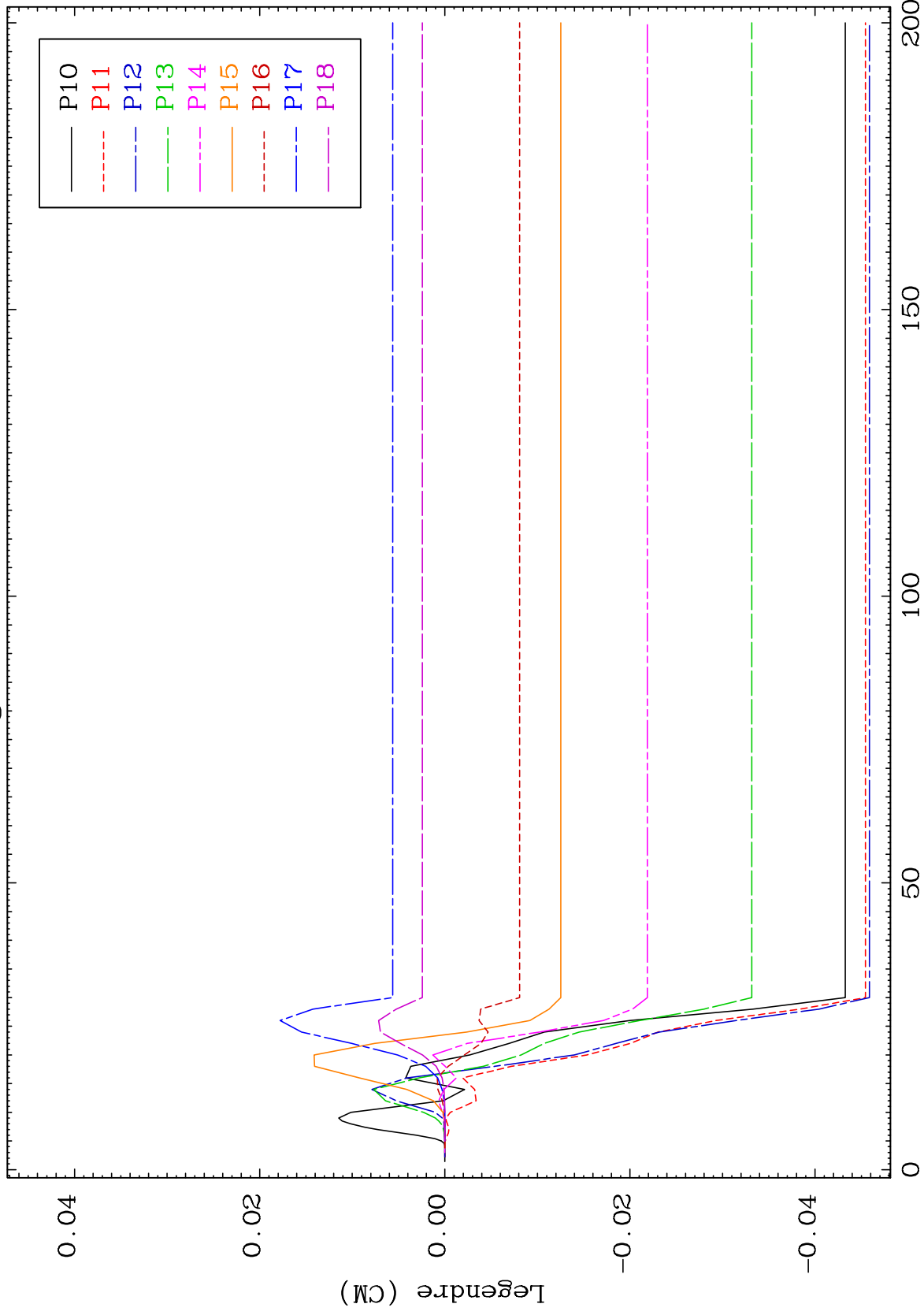
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 52 (n,n') Level
Legendre Coefficients

64-Gd-149



27

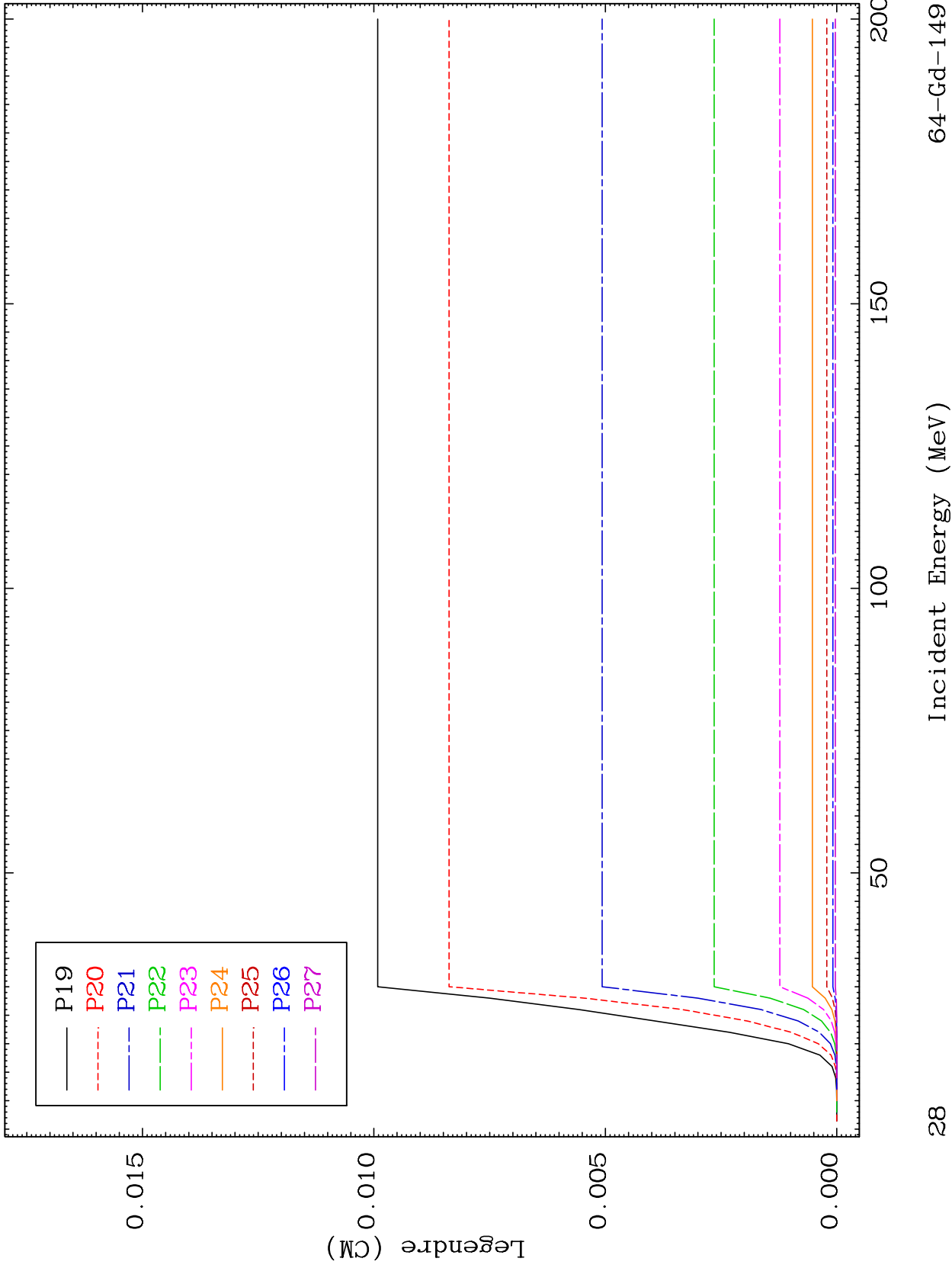
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 52 (n,n') Level
Legendre Coefficients

64-Gd-149



28

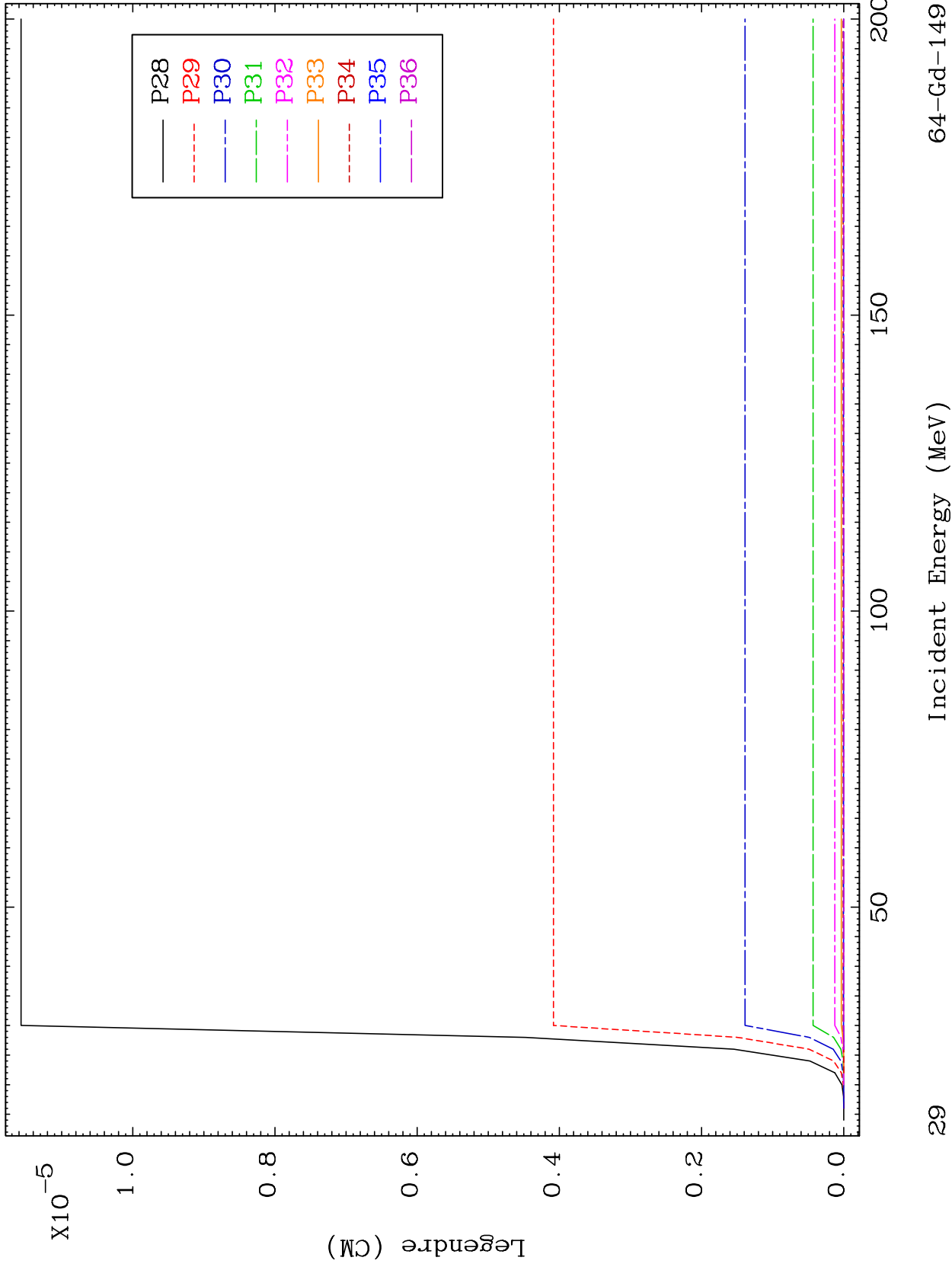
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 52 (n,n') Level
Legendre Coefficients

64-Gd-149

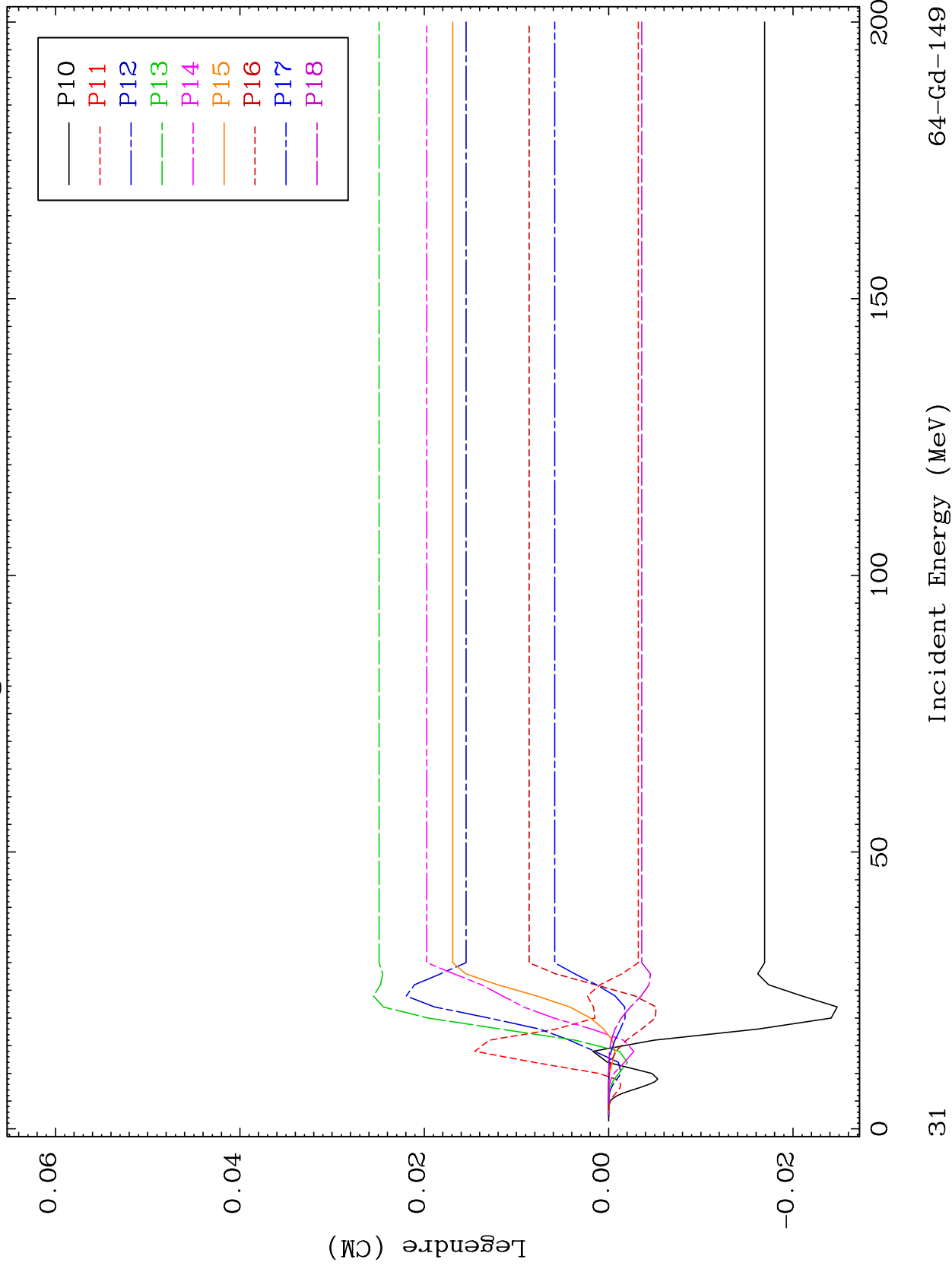


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MAT 6416

MT= 53 (n,n') Level
Legendre Coefficients

64-Gd-149



31

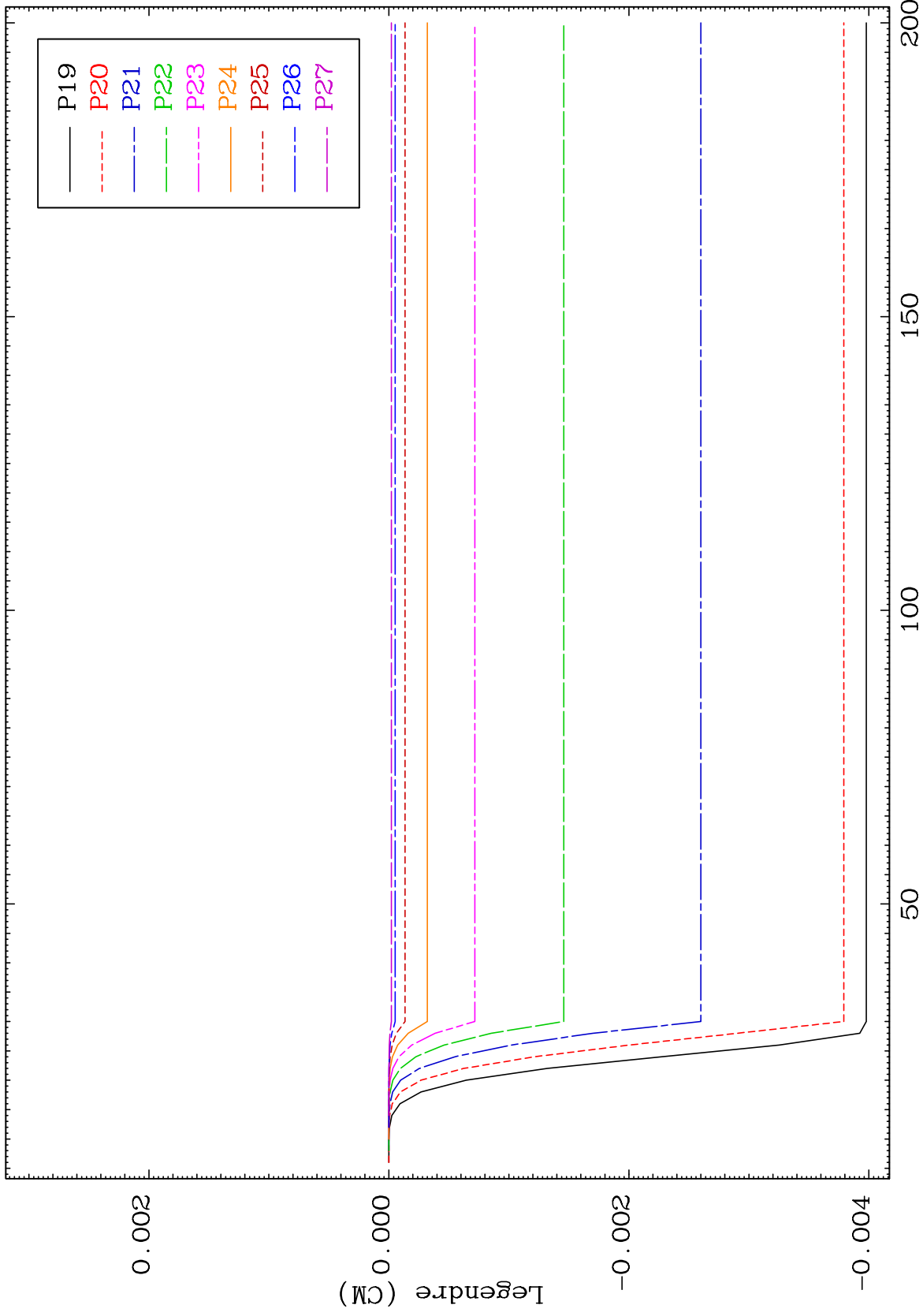
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 53 (n,n') Level
Legendre Coefficients

64-Gd-149



32

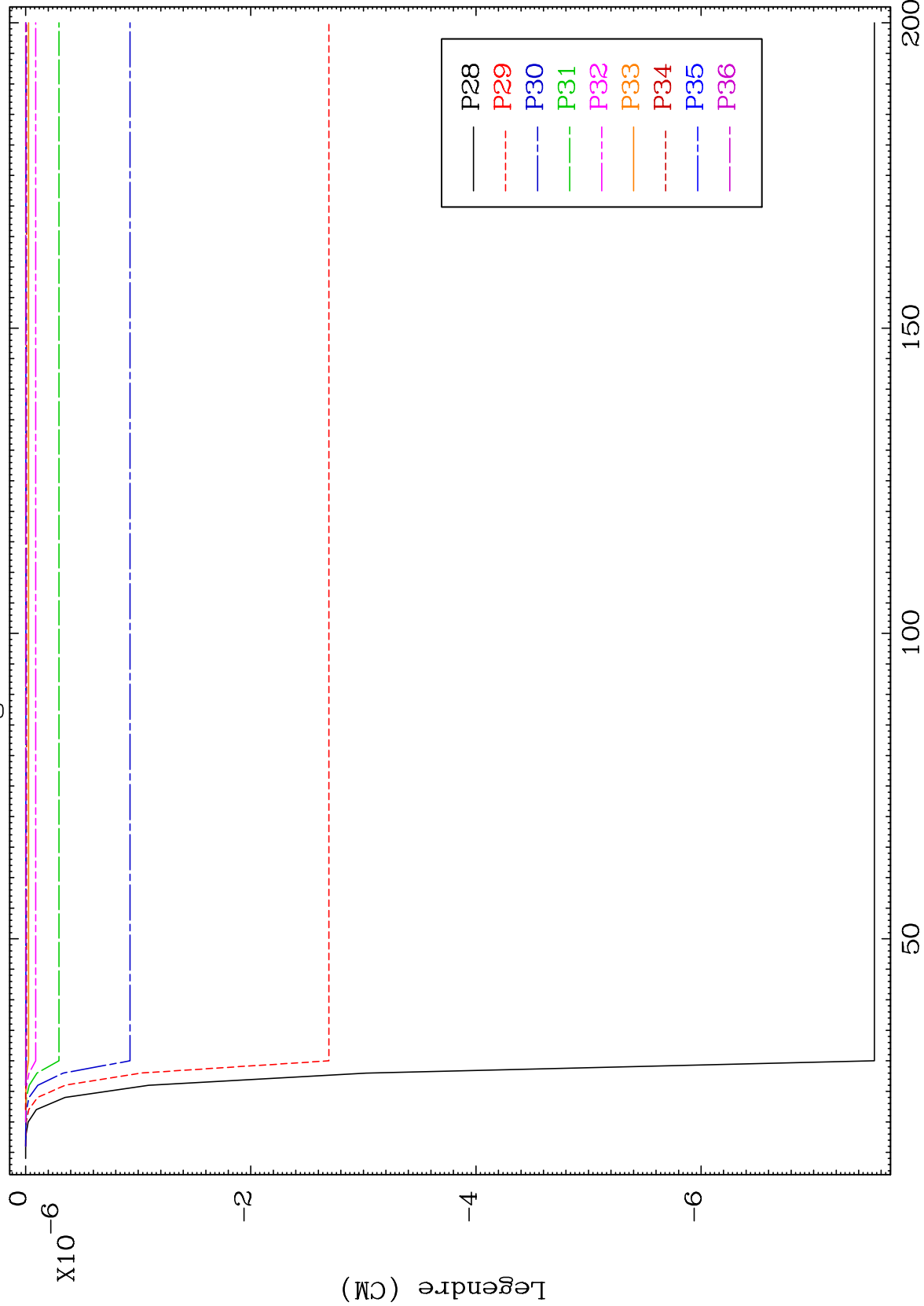
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 53 (n,n') Level
Legendre Coefficients

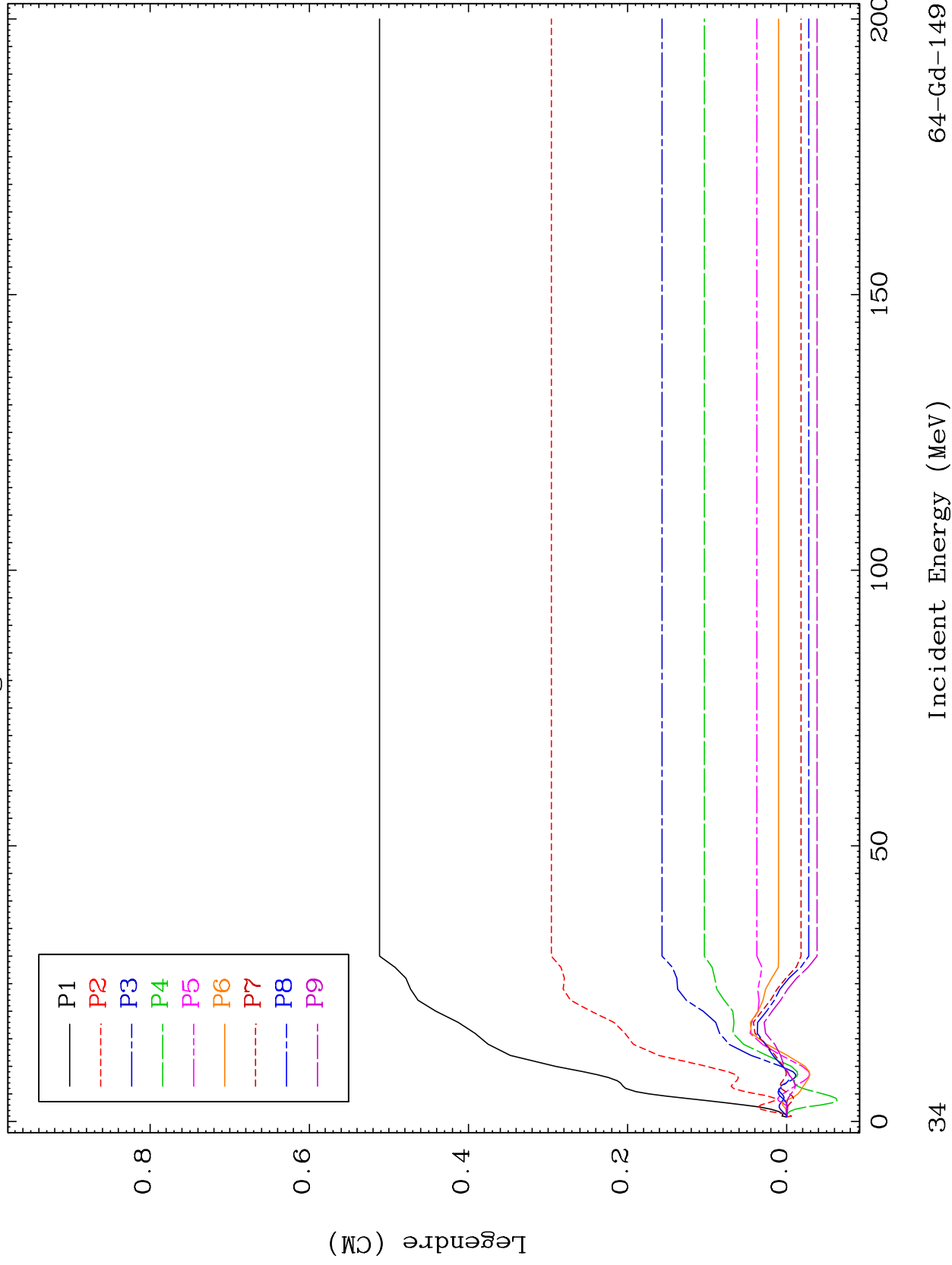
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MAT 6416

MT= 54 (n,n') Level
Legendre Coefficients

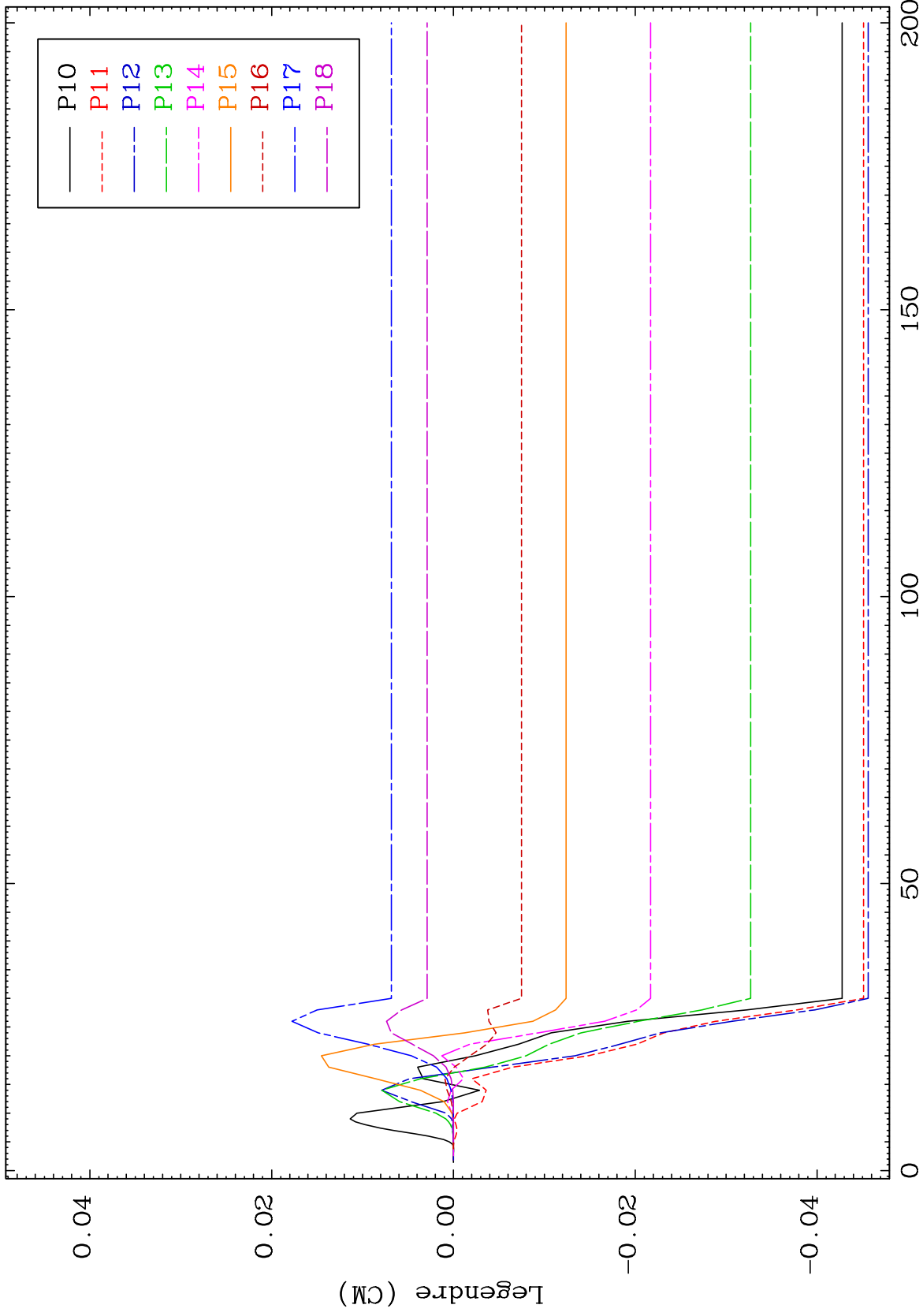
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MAT 6416

MT= 54 (n,n') Level
Legendre Coefficients

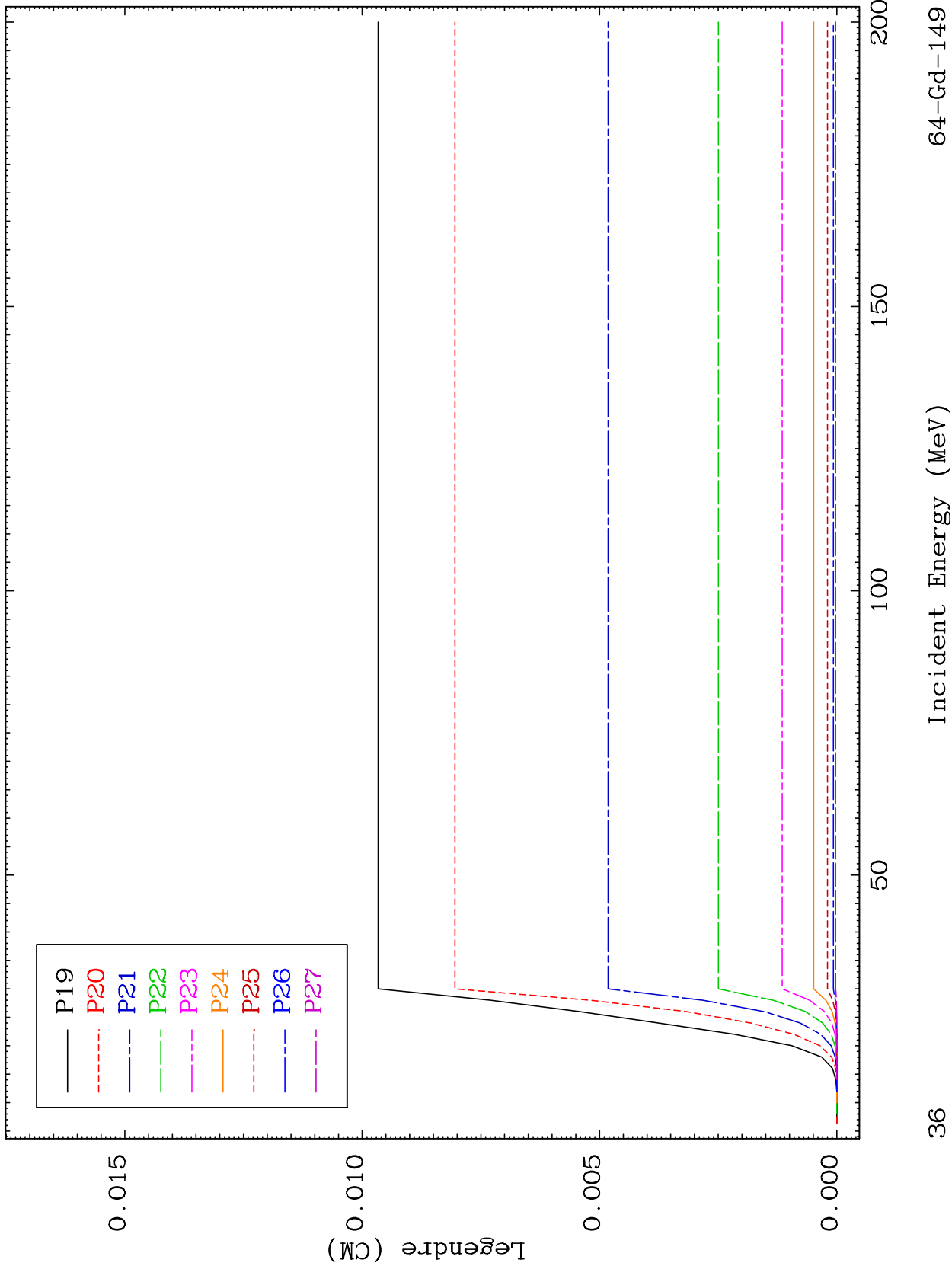
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35

Incident Energy (MeV)

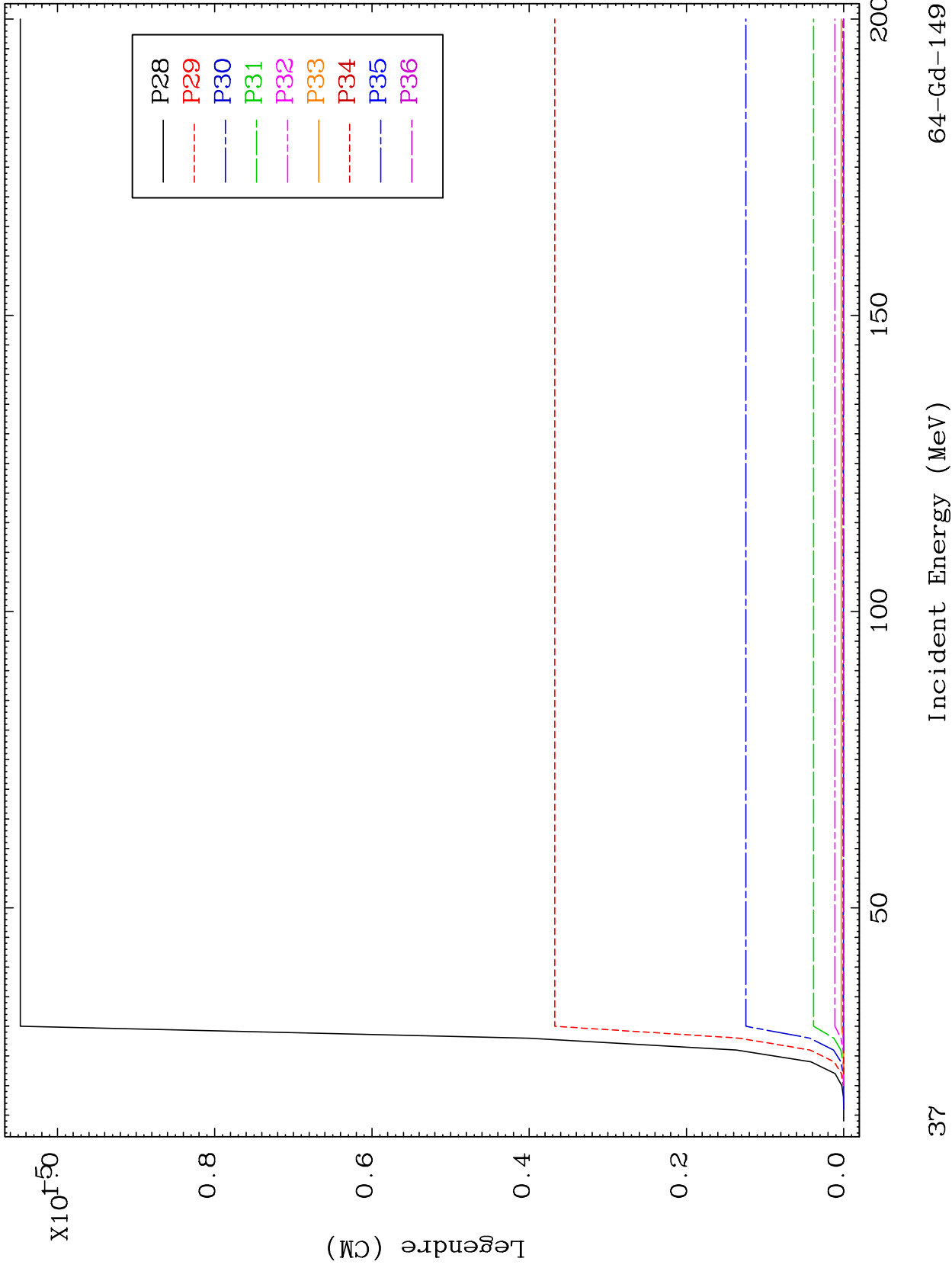
64-Gd-149



MAT 6416

MT= 54 (n,n') Level
Legendre Coefficients

64-Gd-149



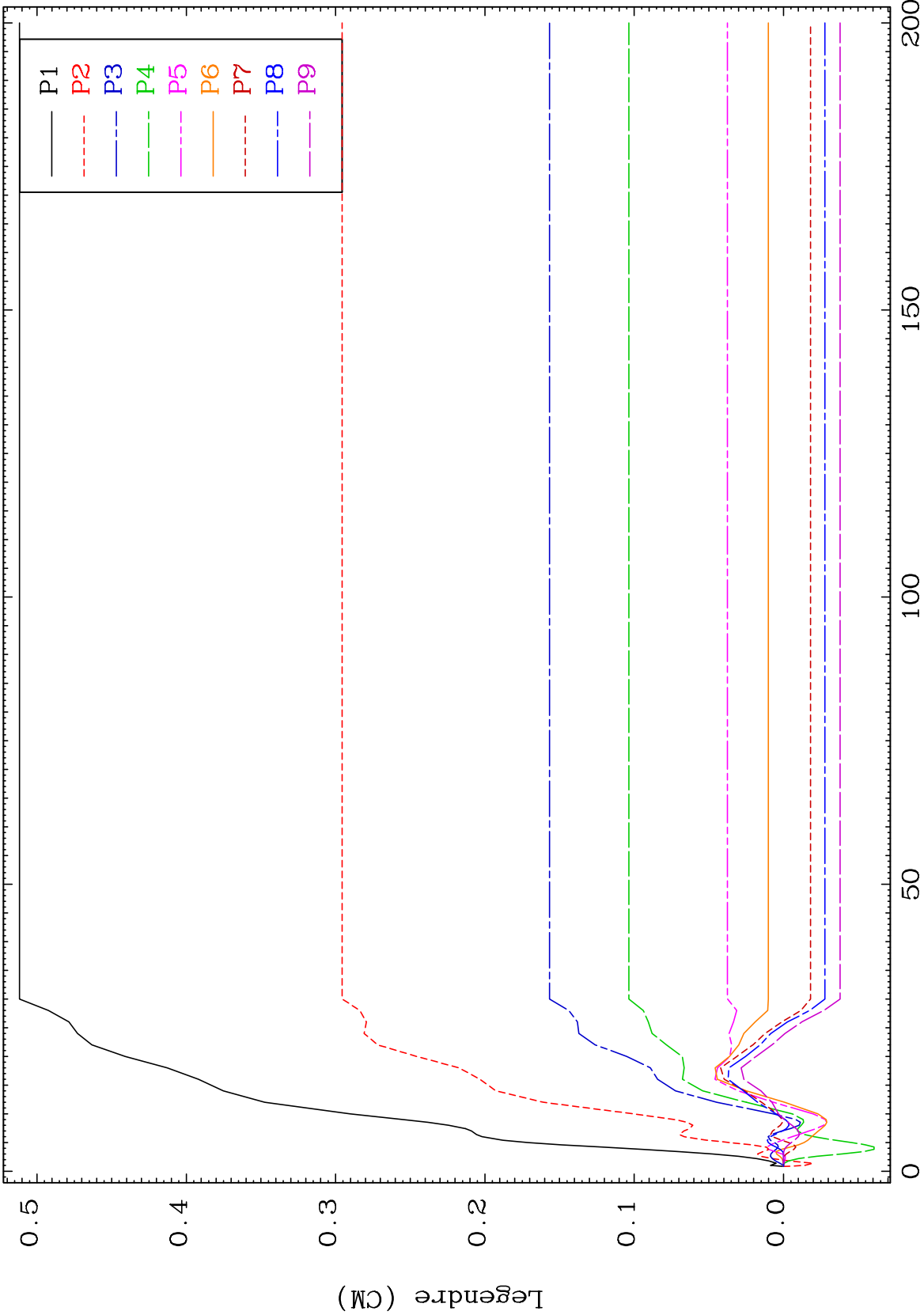
37

64-Gd-149

MAT 6416

MT= 55 (n,n') Level
Legendre Coefficients

64-Gd-149



38

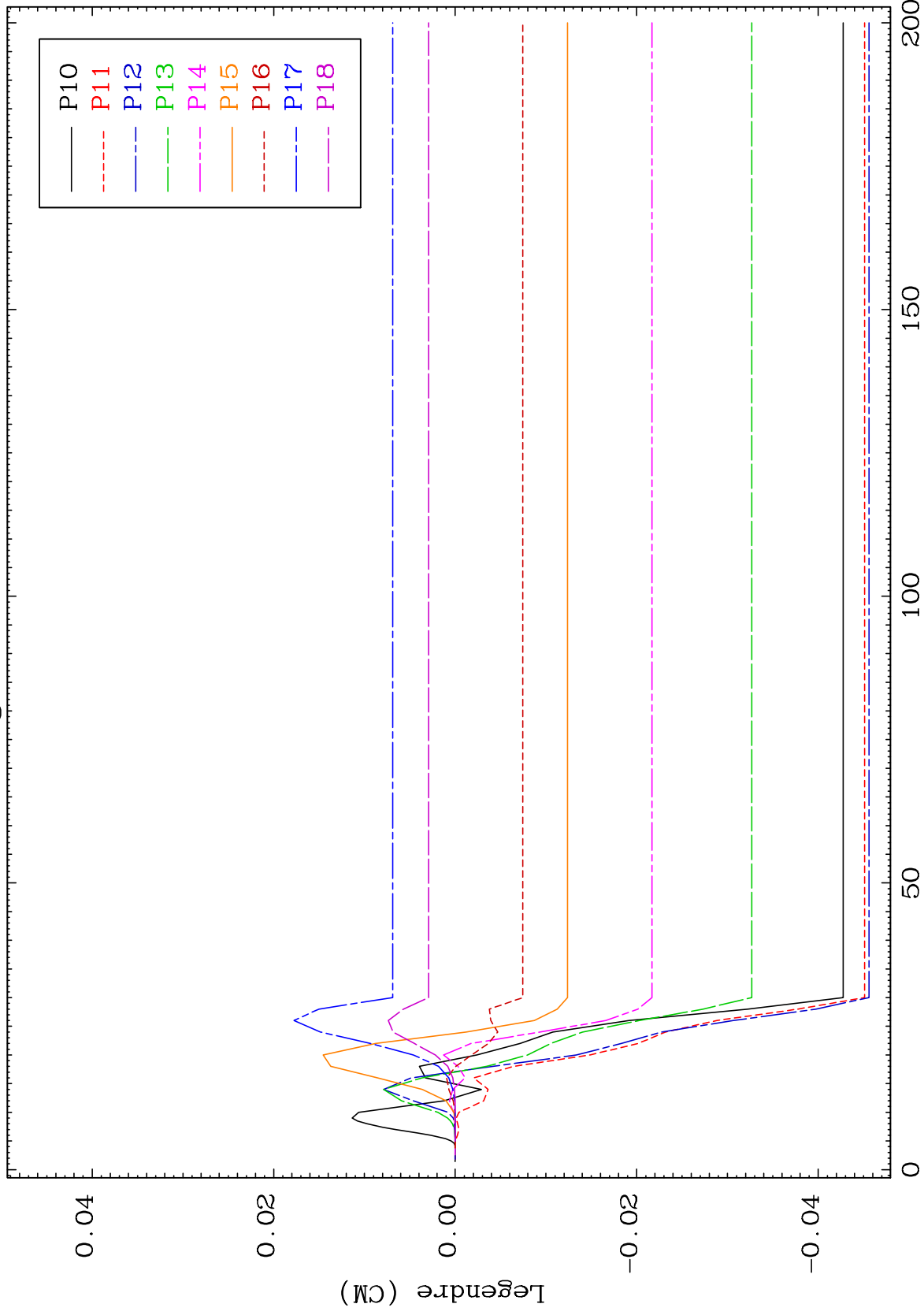
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 55 (n,n') Level
Legendre Coefficients

64-Gd-149



39

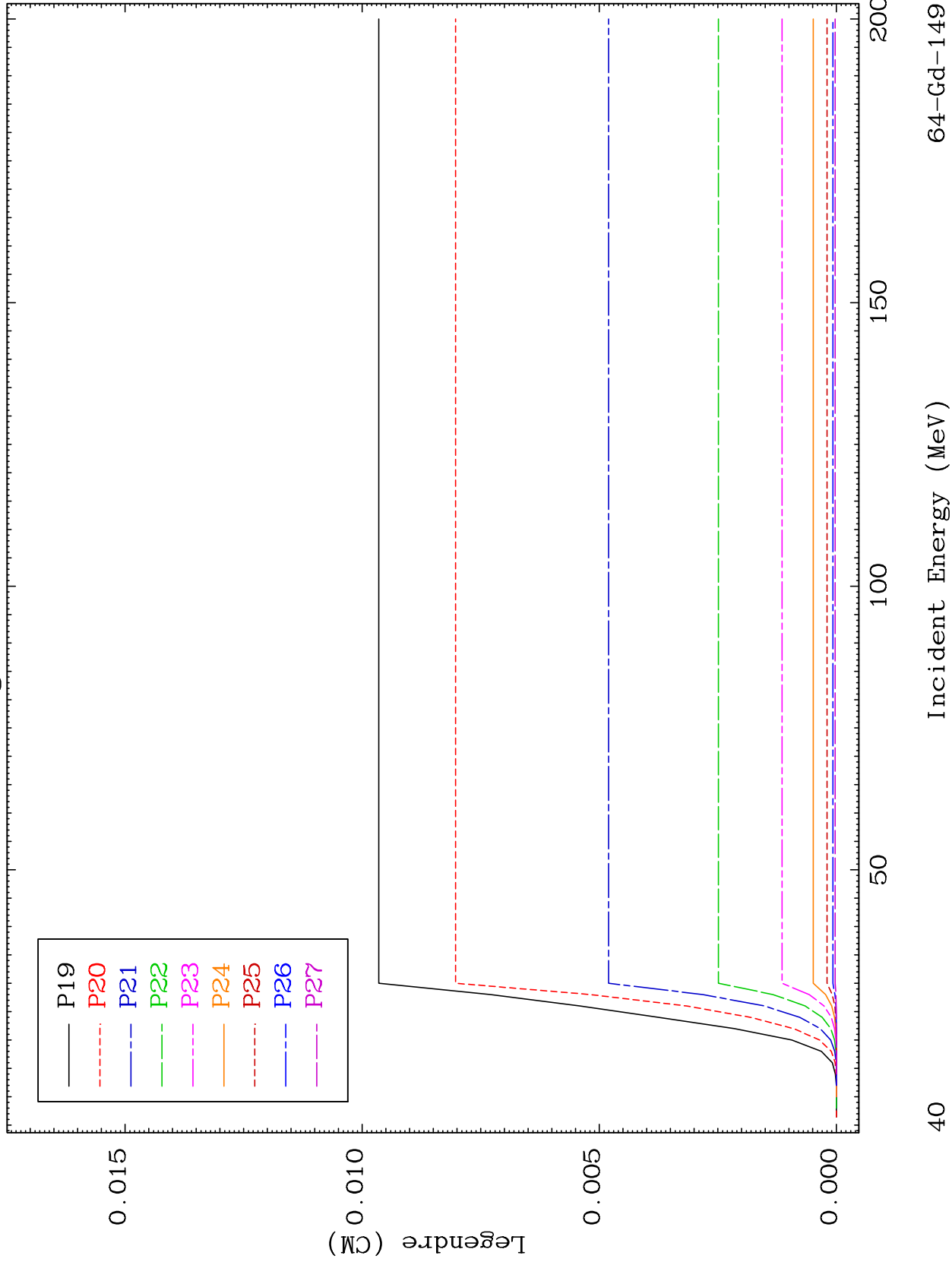
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 55 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

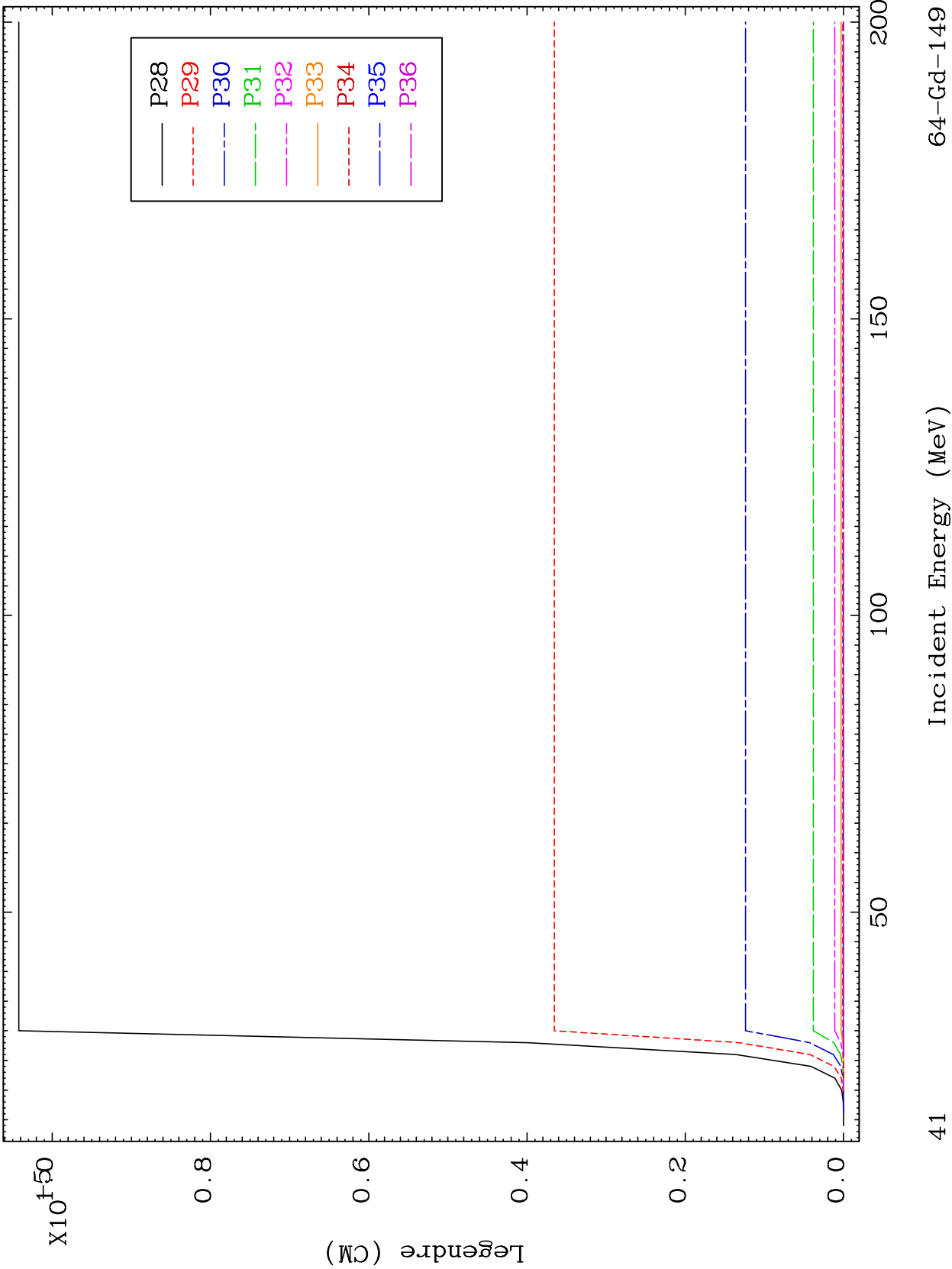
Incident Energy (MeV)

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MAT 6416

MT= 55 (n,n') Level
Legendre Coefficients

64-Gd-149



41

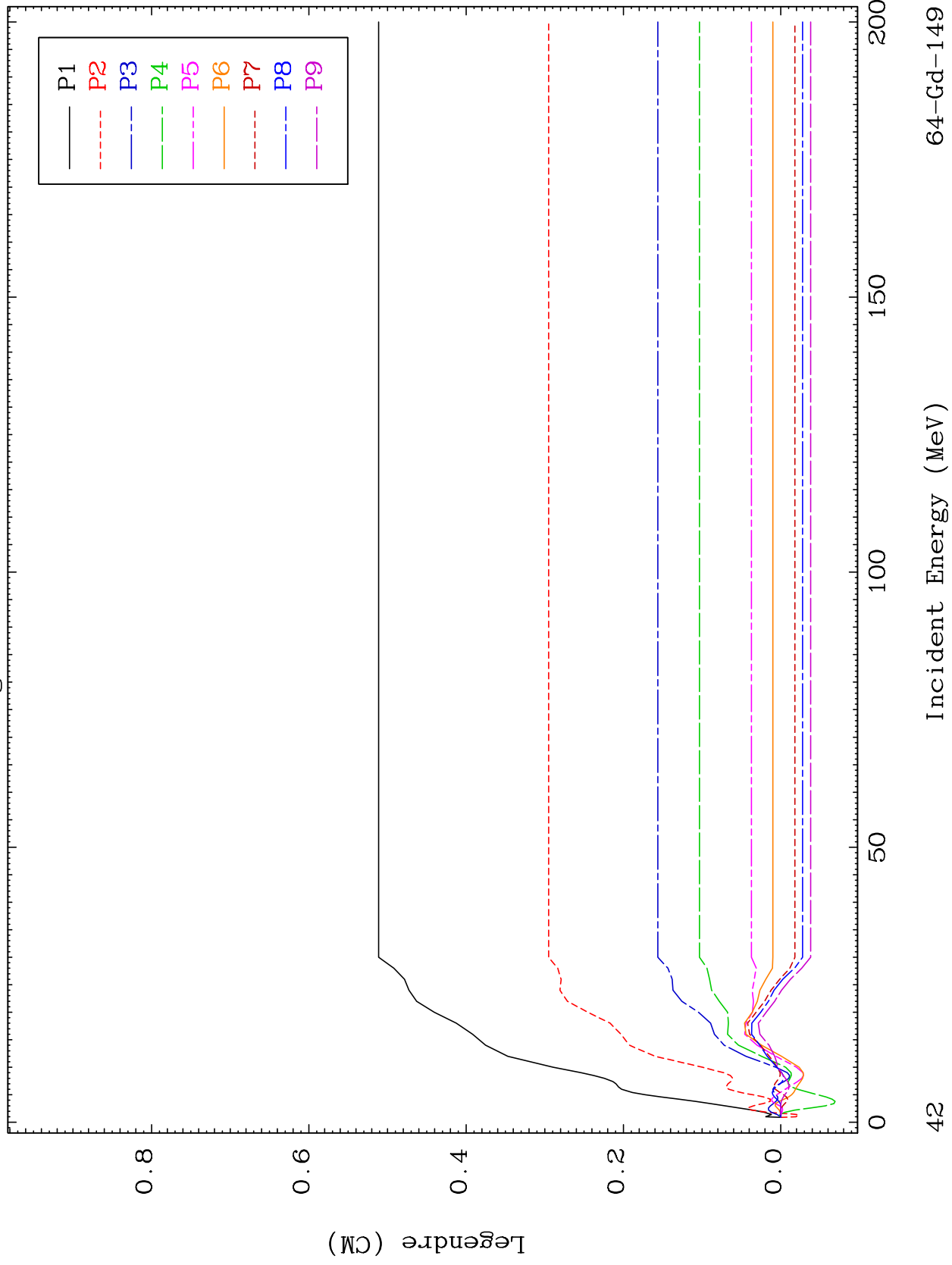
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 56 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

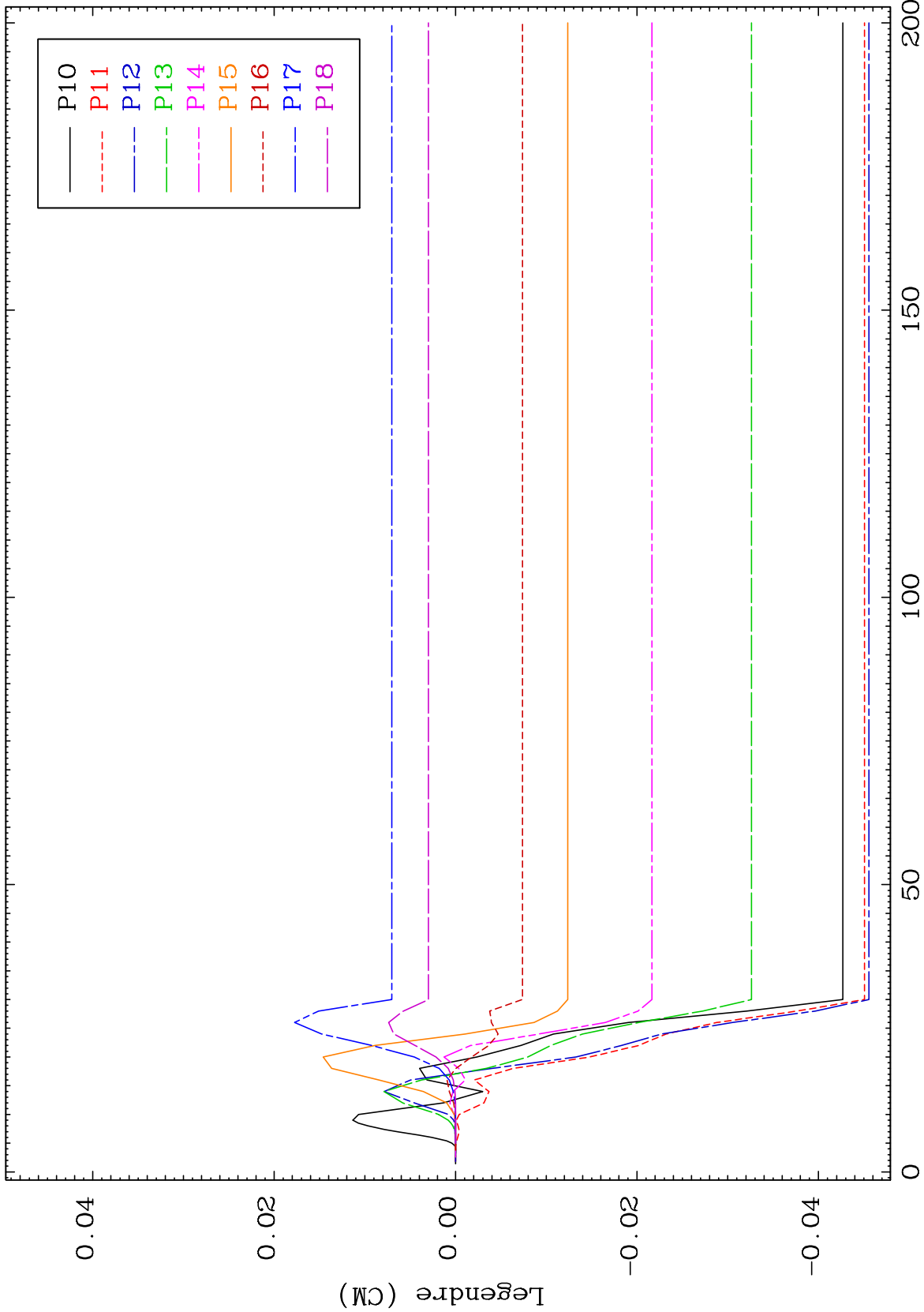
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MAT 6416

MT= 56 (n,n') Level
Legendre Coefficients

64-Gd-149



43

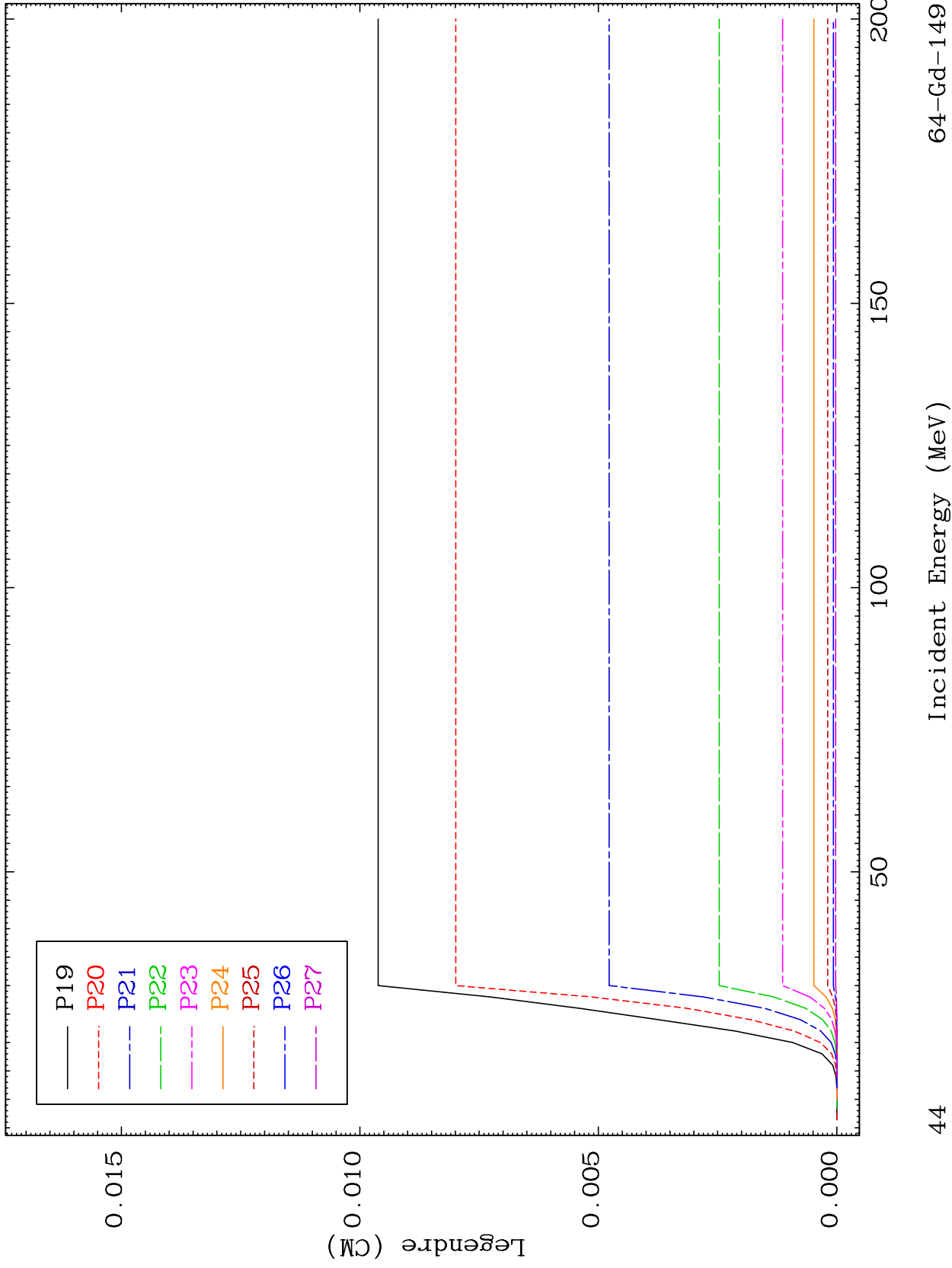
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 56 (n,n') Level
Legendre Coefficients

64-Gd-149



44

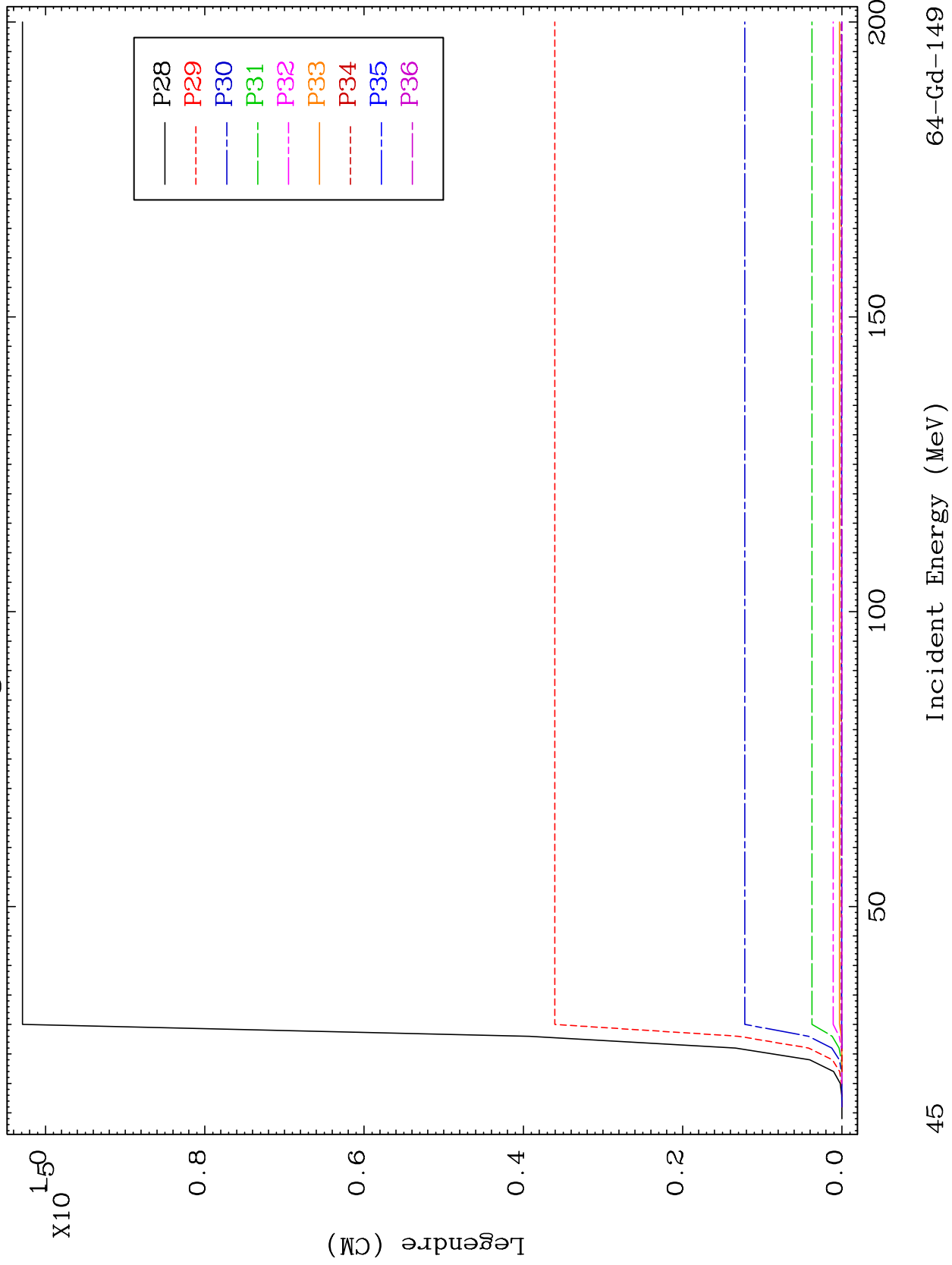
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 56 (n,n') Level
Legendre Coefficients

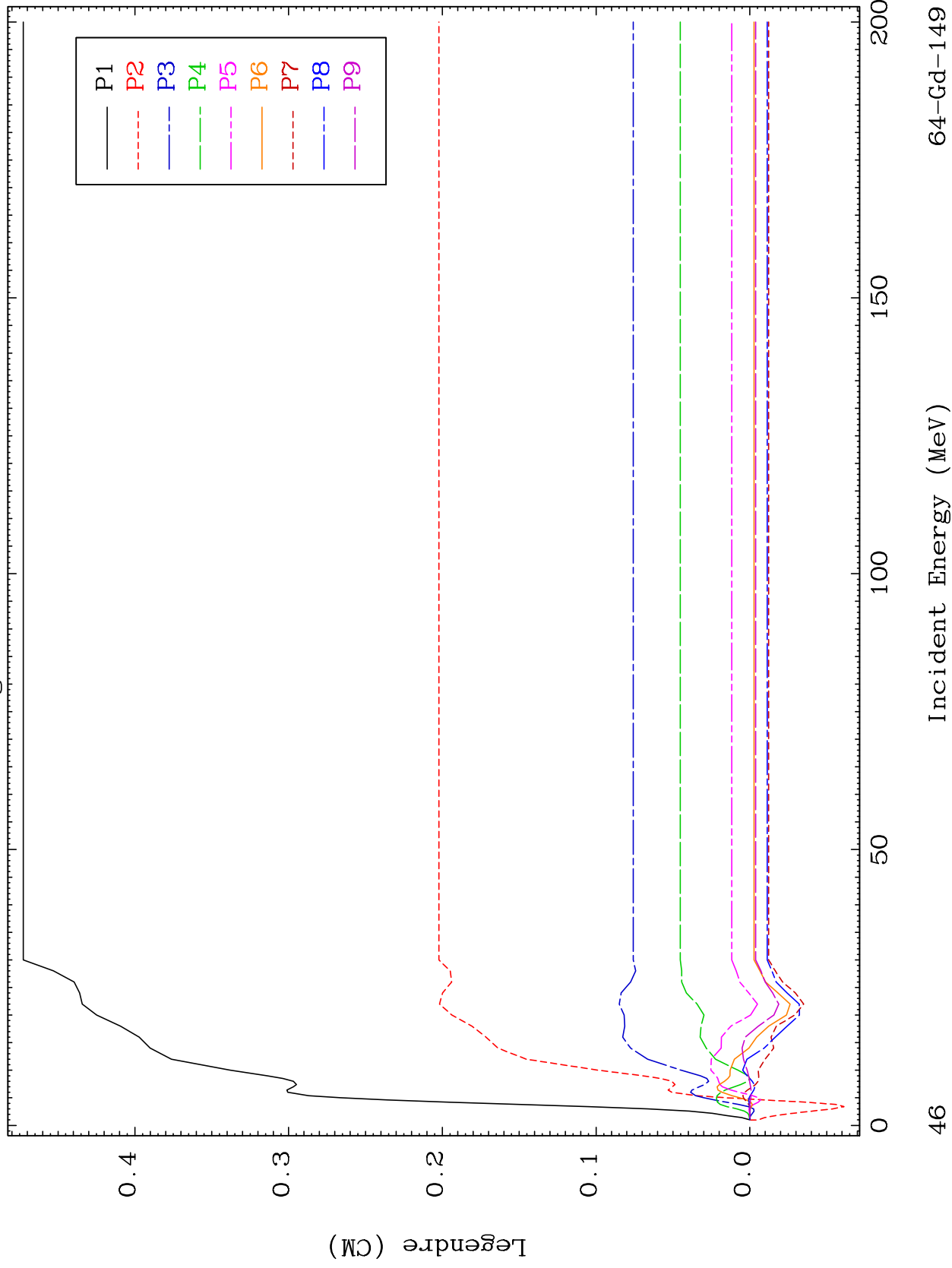
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MAT 6416

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

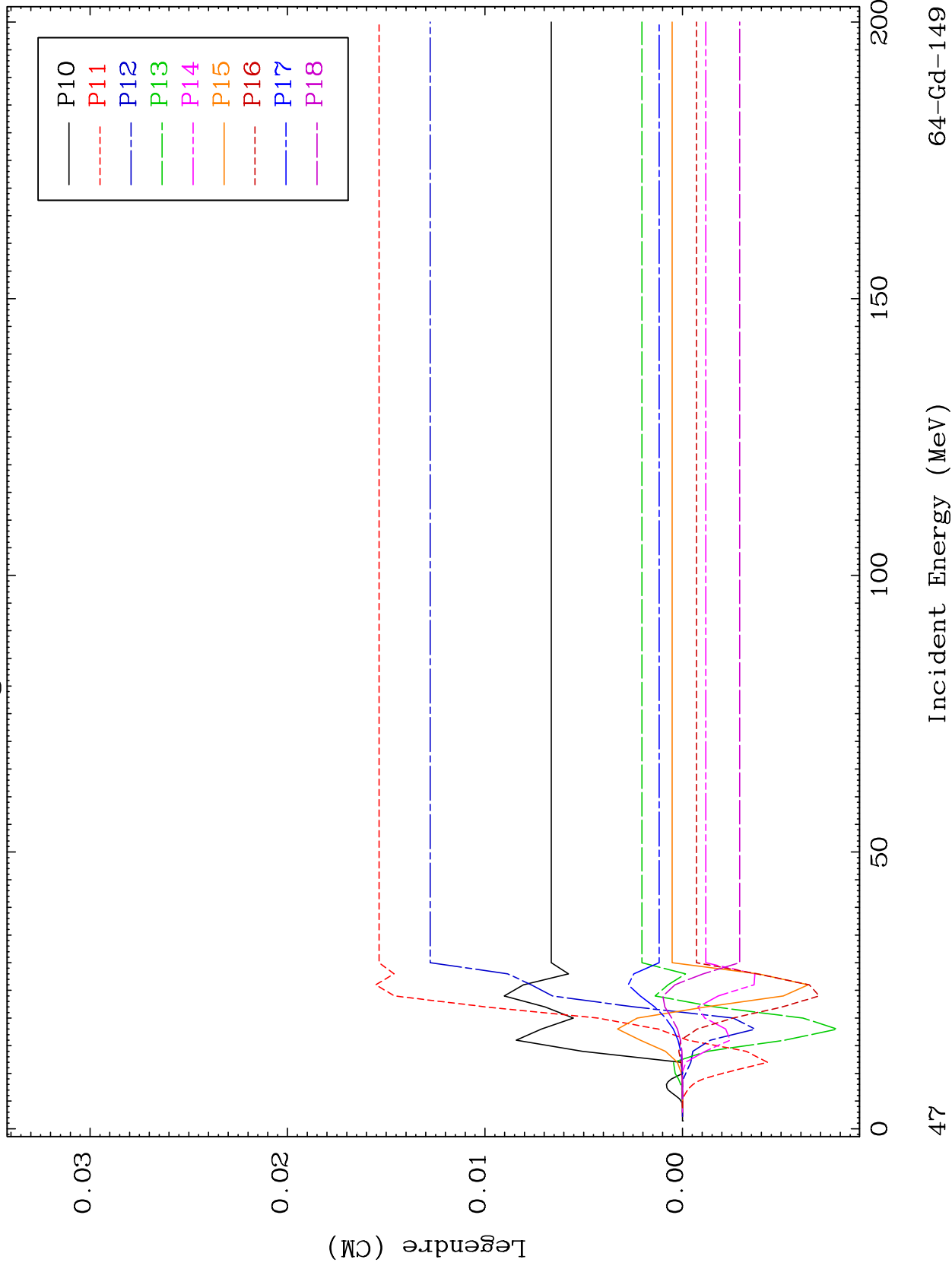
Incident Energy (MeV)

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MAT 6416

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

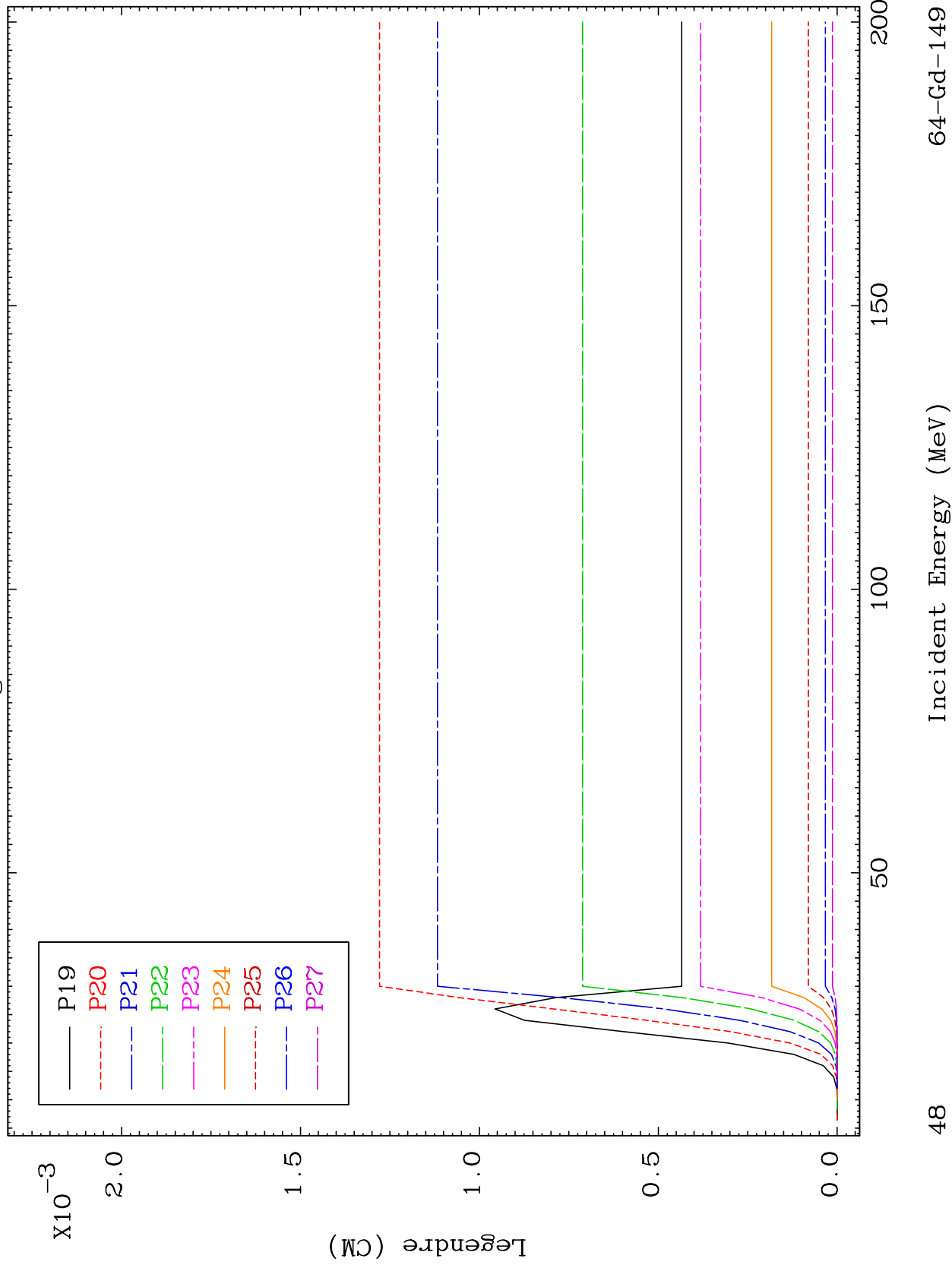
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MAT 6416

MT= 57 (n,n') Level
Legendre Coefficients

64-Gd-149



48

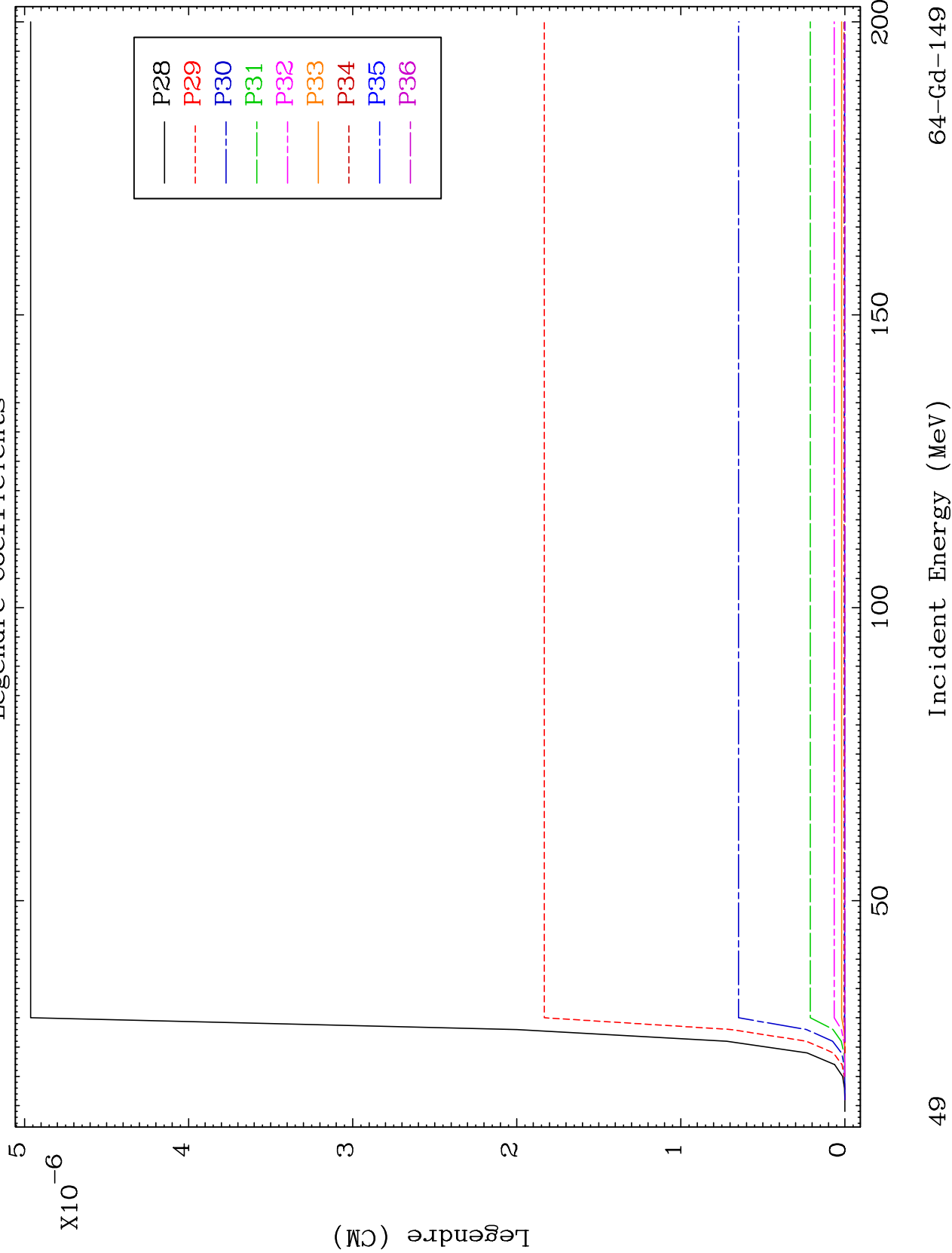
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 57 (n,n') Level
Legendre Coefficients

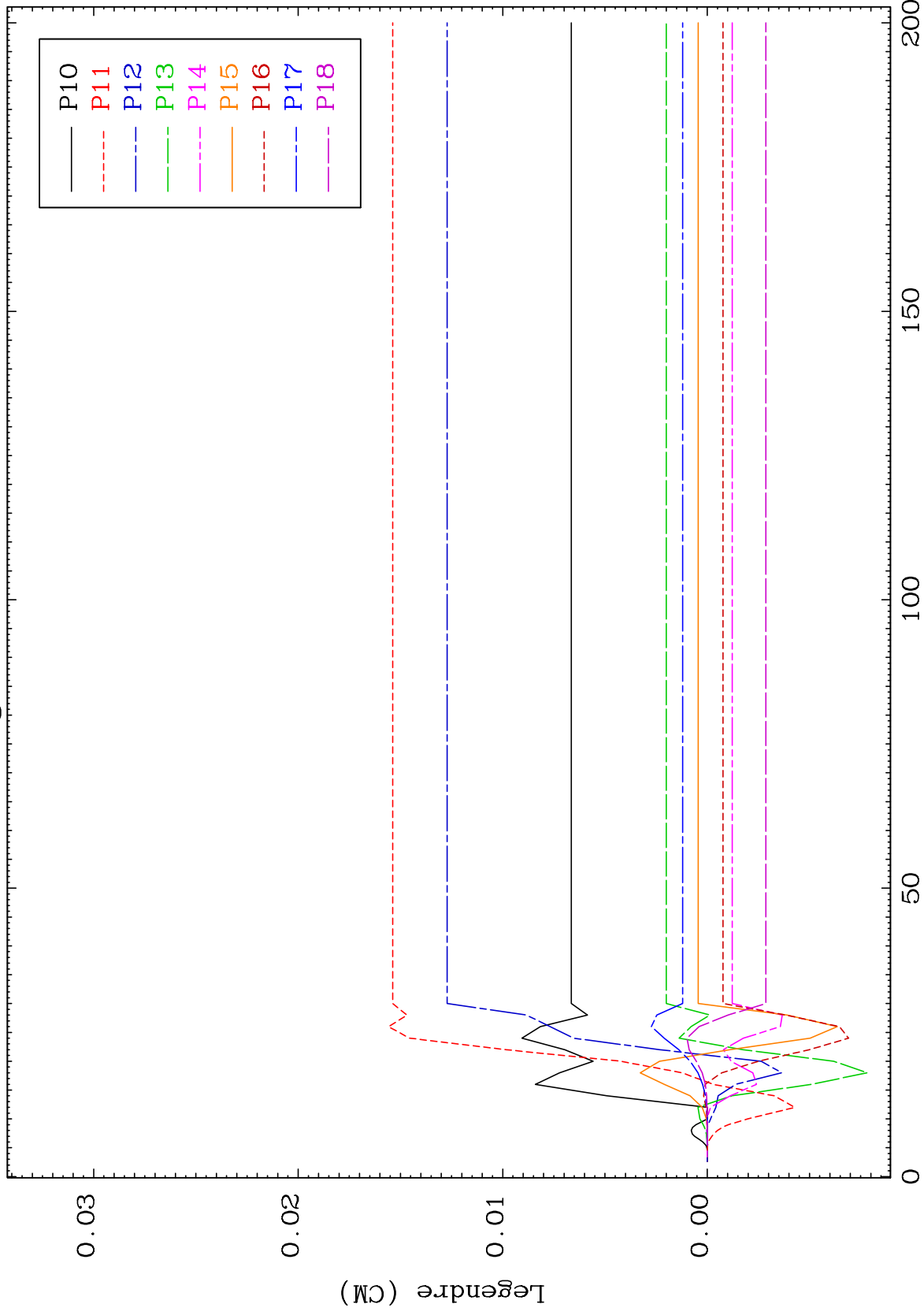
64-Gd-149



MAT 6416

MT= 58 (n,n') Level
Legendre Coefficients

64-Gd-149



51

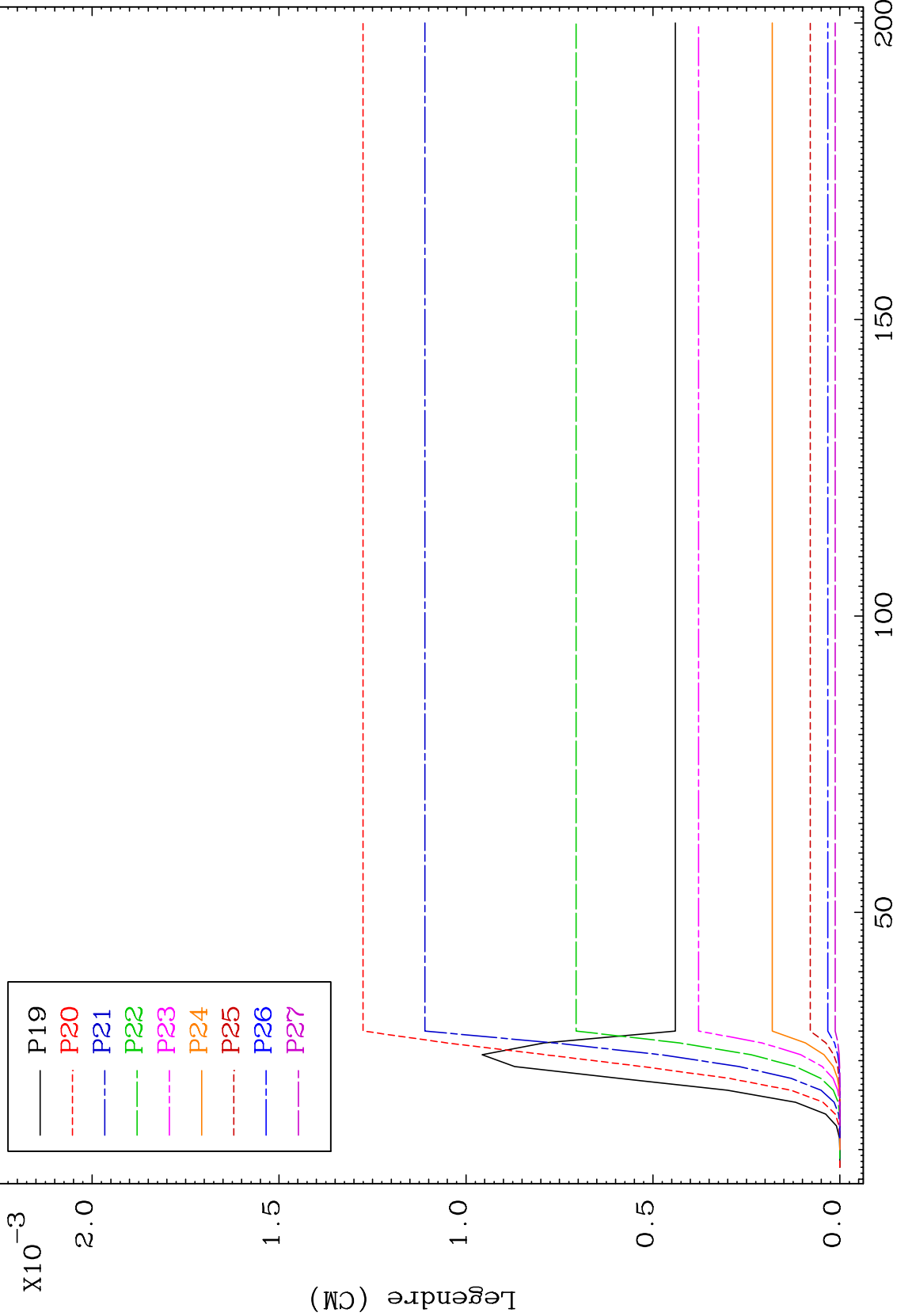
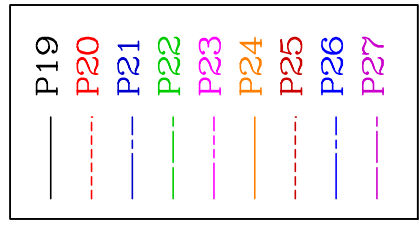
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 58 (n,n') Level
Legendre Coefficients

64-Gd-149



52

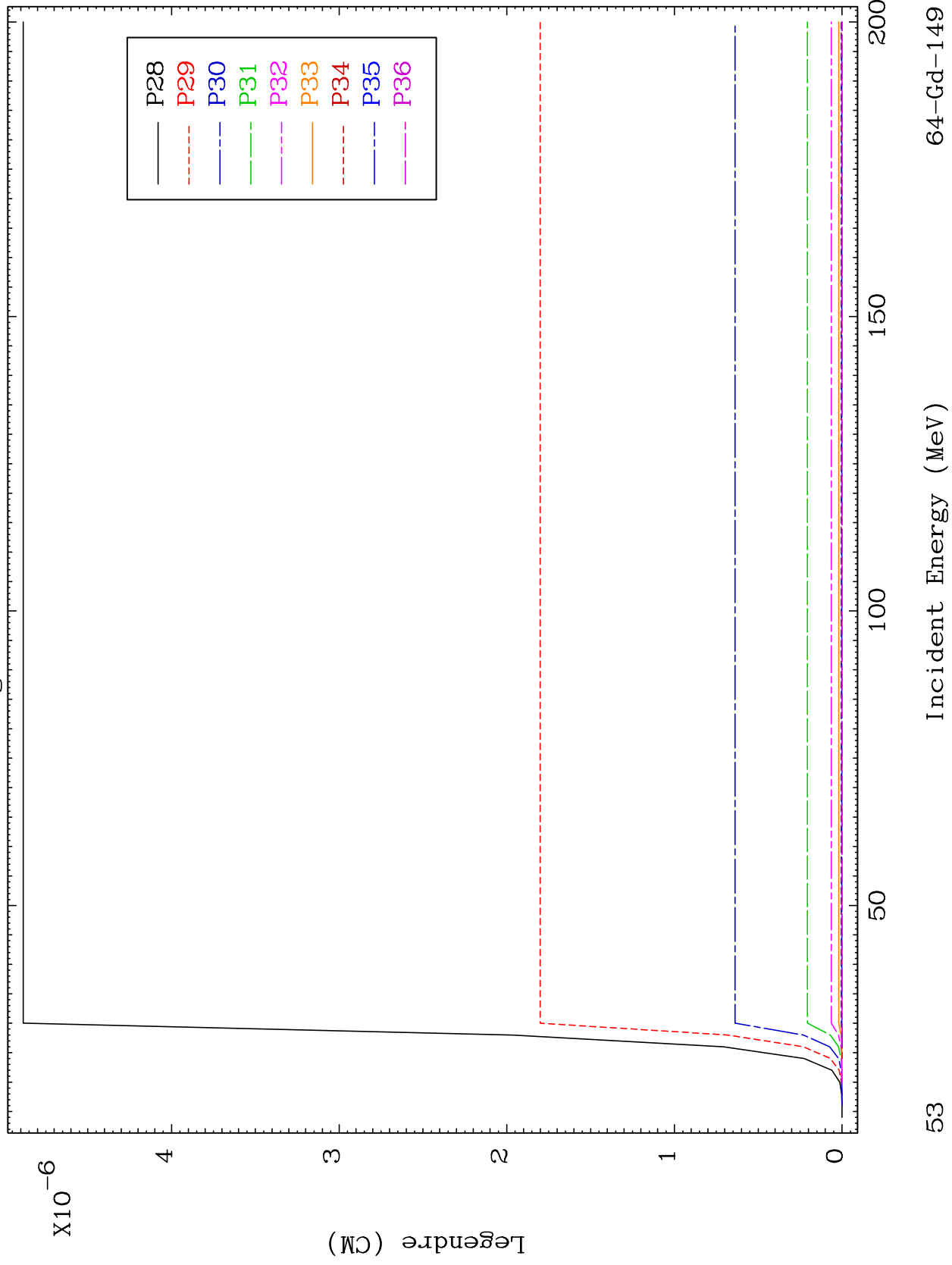
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 58 (n,n') Level
Legendre Coefficients

64-Gd-149



53

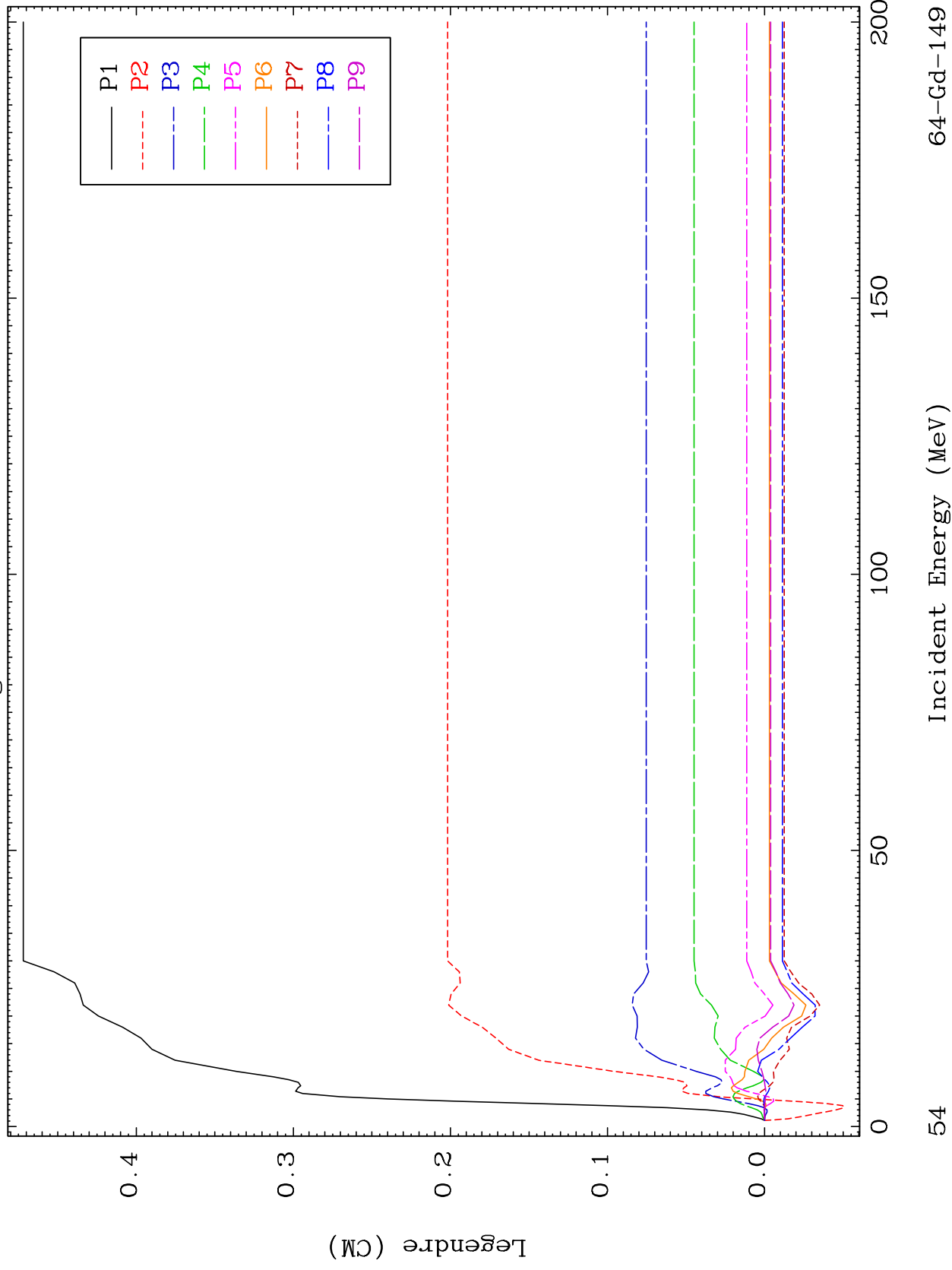
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 59 (n,n') Level
Legendre Coefficients

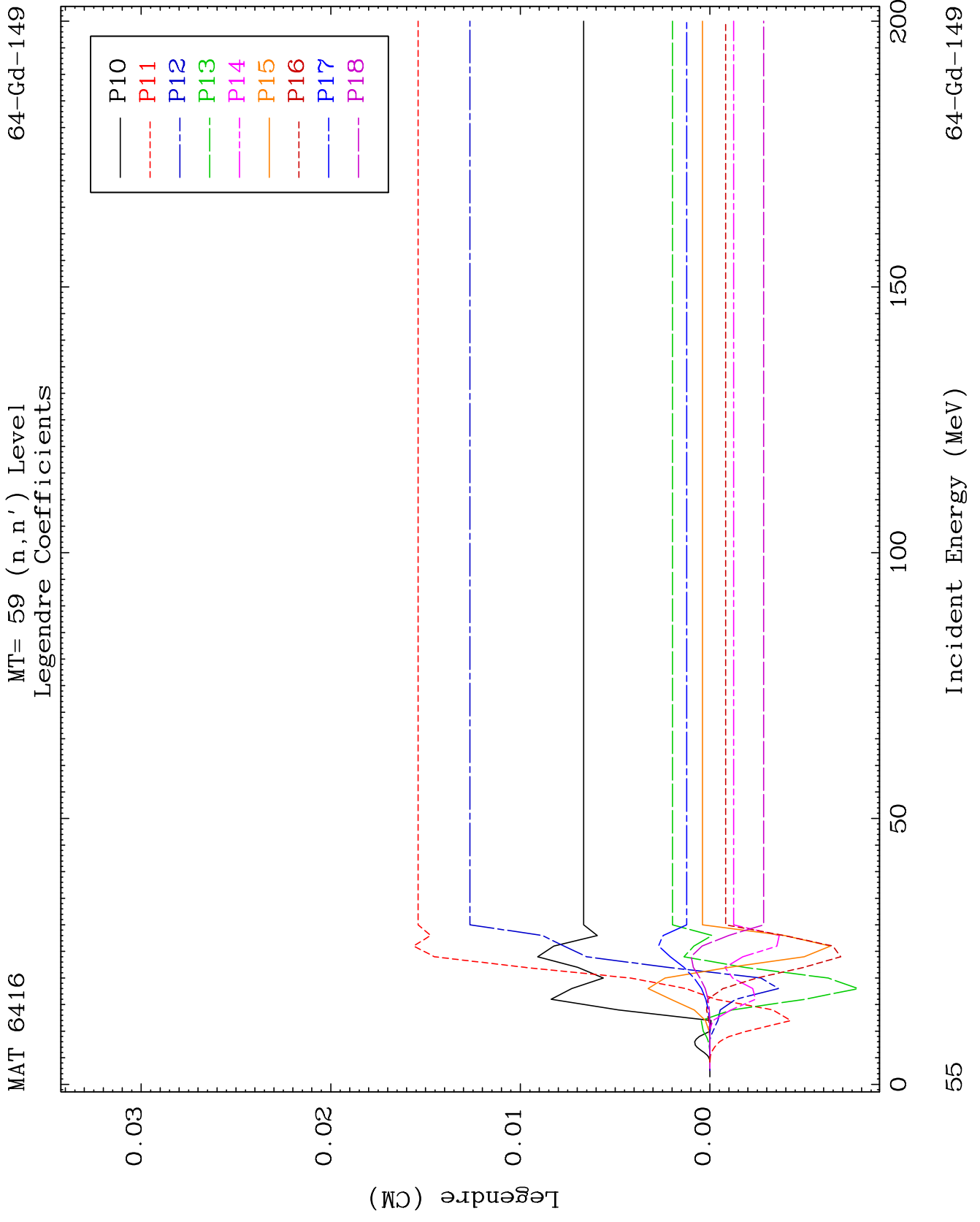
64-Gd-149



64-Gd-149

Incident Energy (MeV)

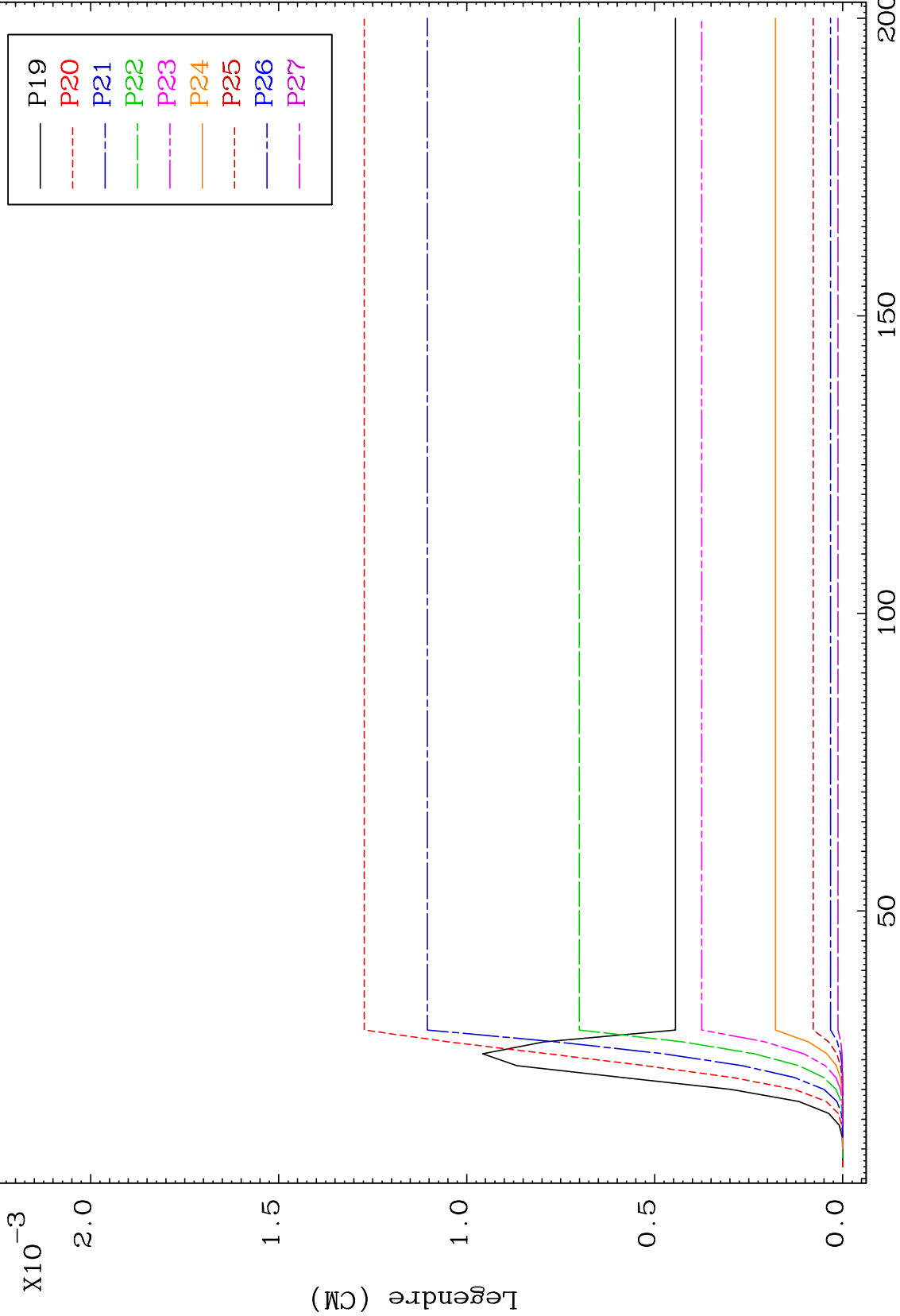
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MAT 6416

MT= 59 (n,n') Level
Legendre Coefficients

64-Gd-149



56

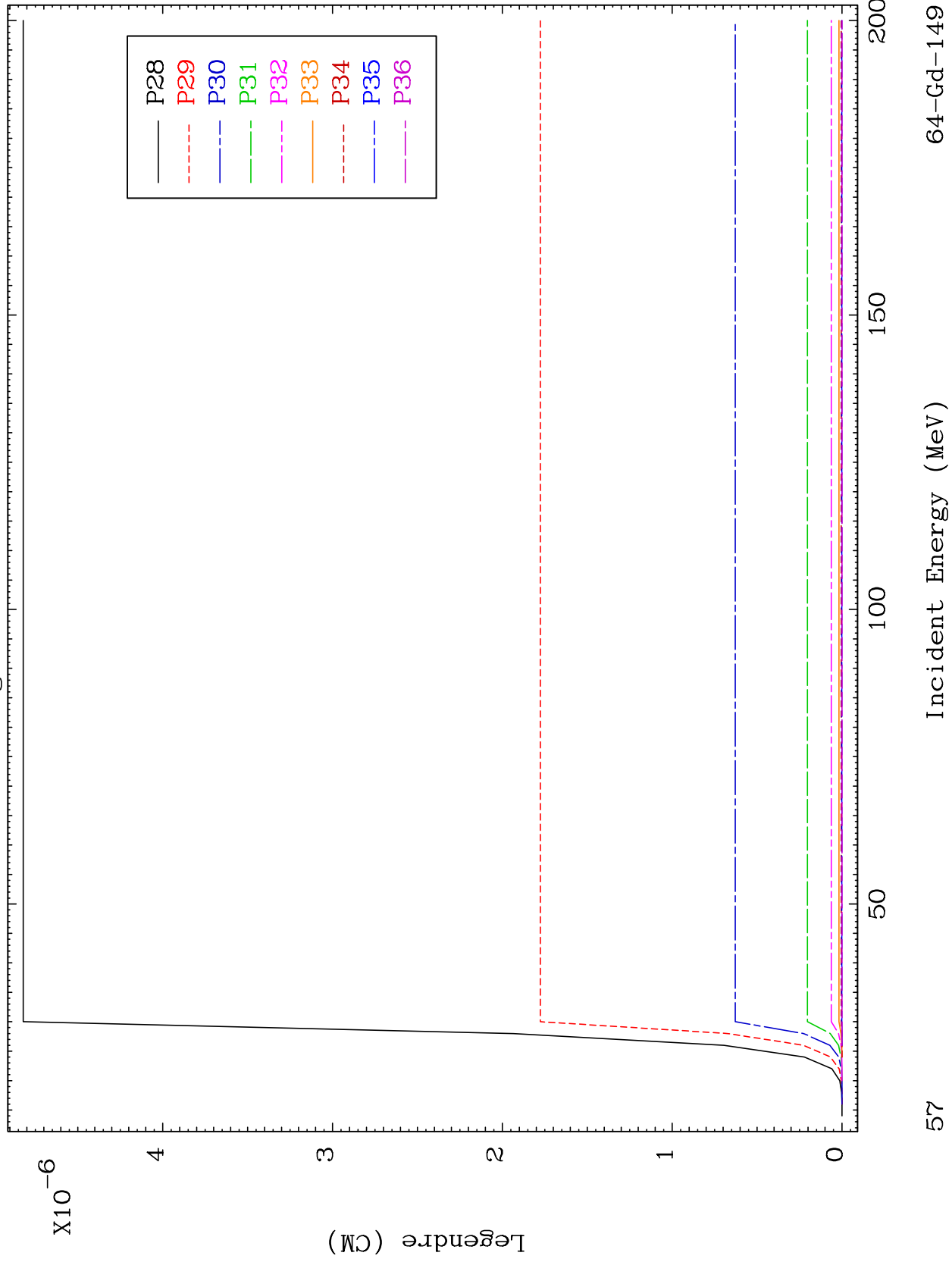
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 59 (n,n') Level
Legendre Coefficients

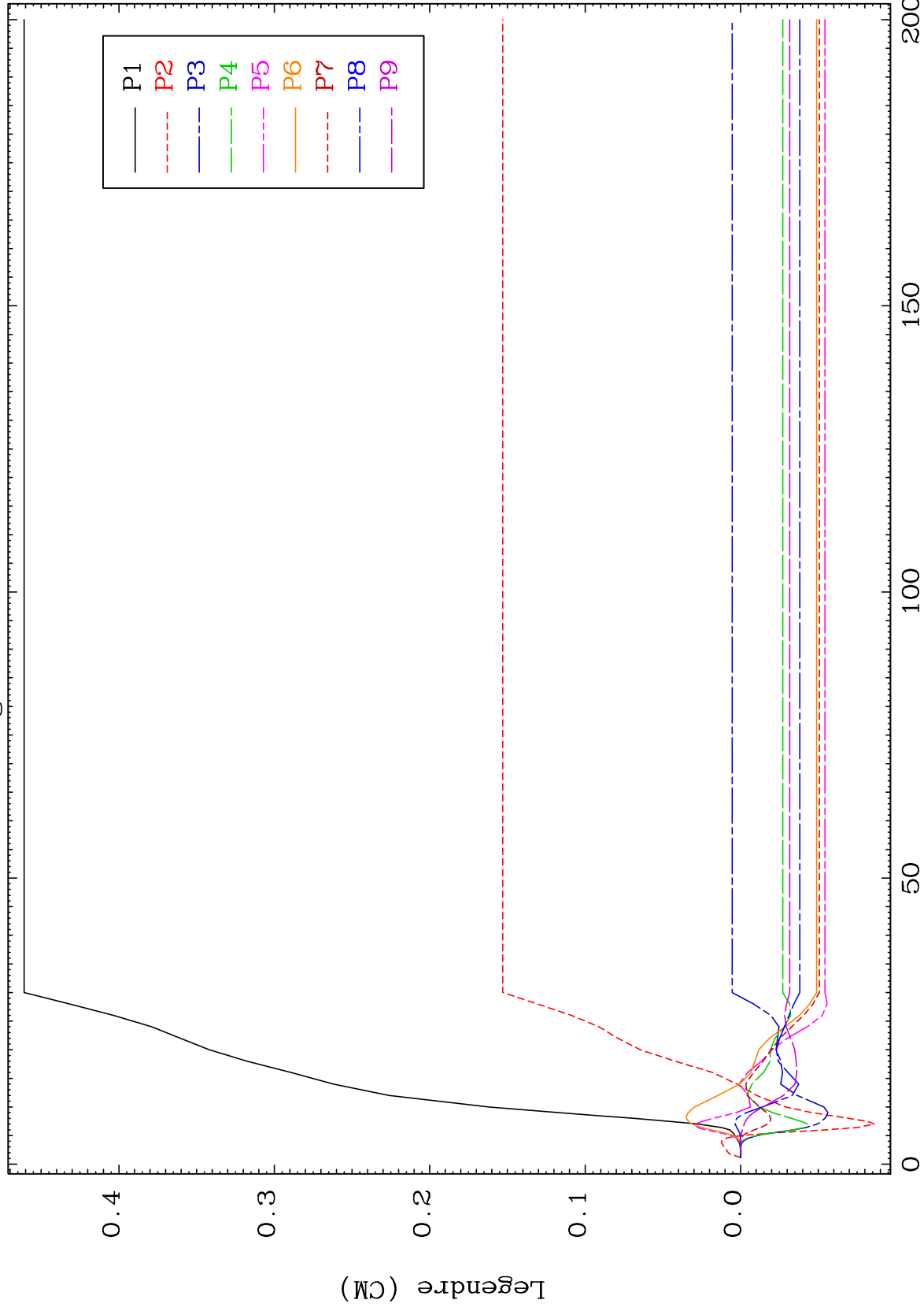
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MAT 6416

MT= 60 (n,n') Level
Legendre Coefficients

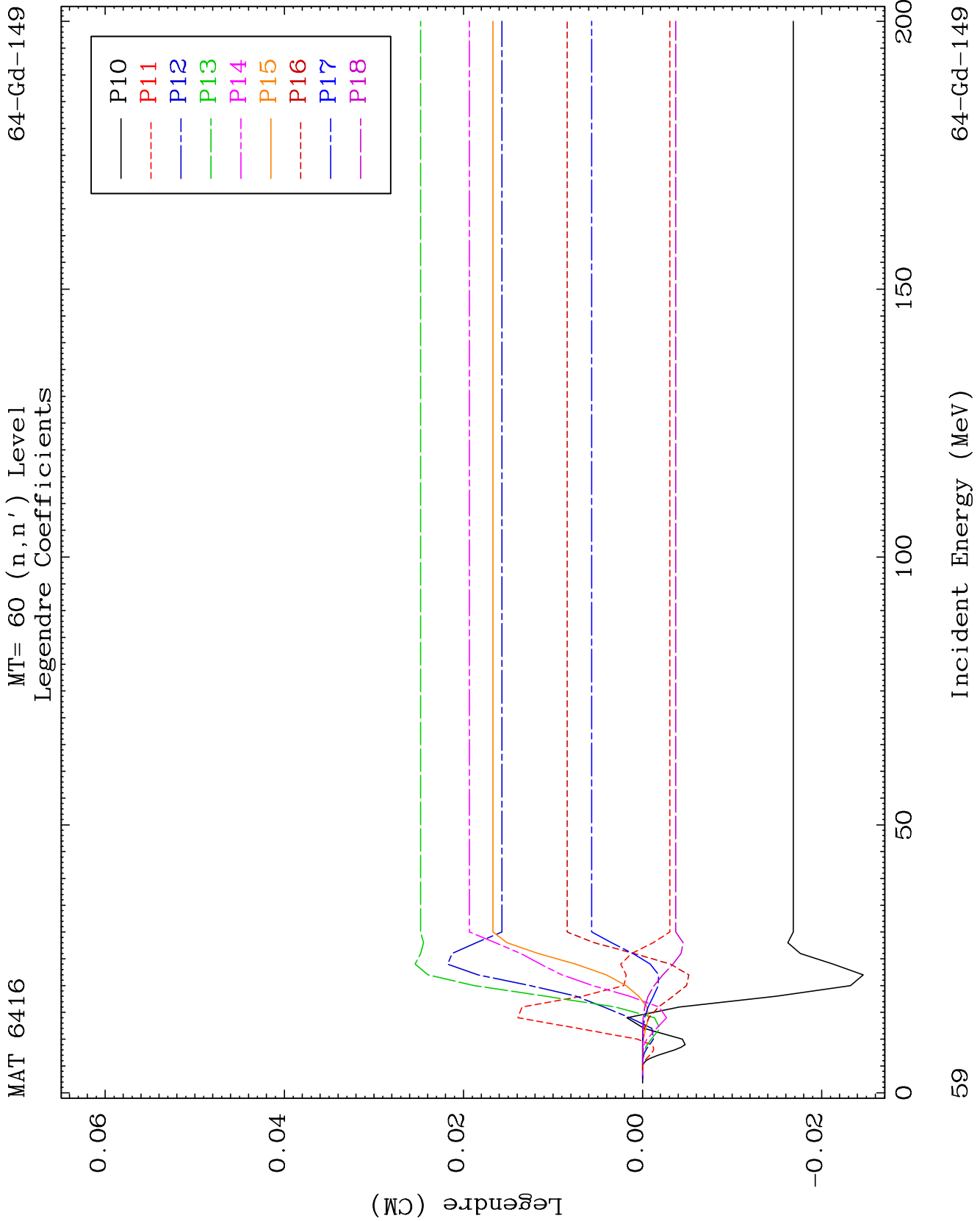
64-Gd-149



58

Incident Energy (MeV)

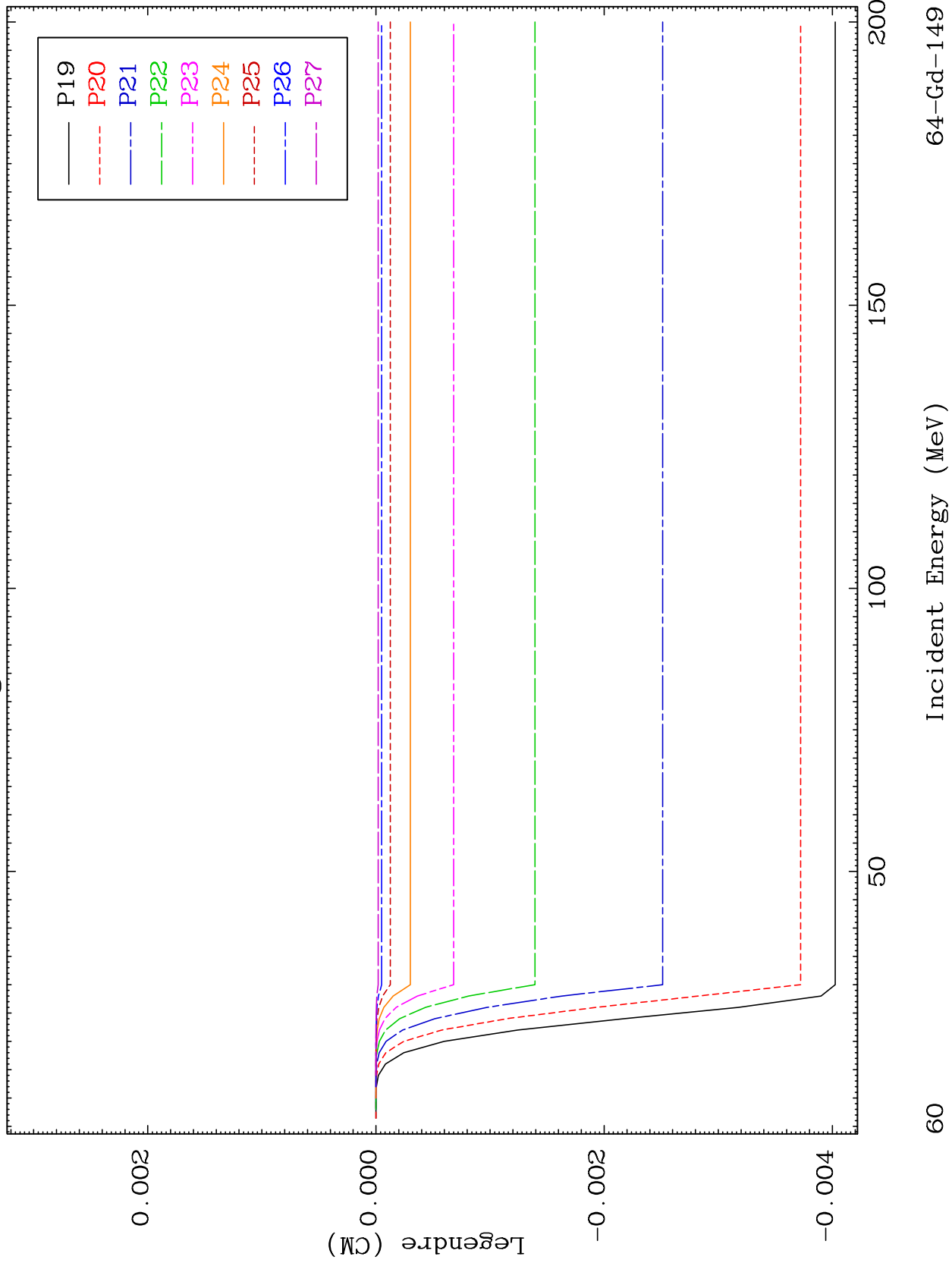
64-Gd-149



MAT 6416

MT= 60 (n,n') Level
Legendre Coefficients

64-Gd-149

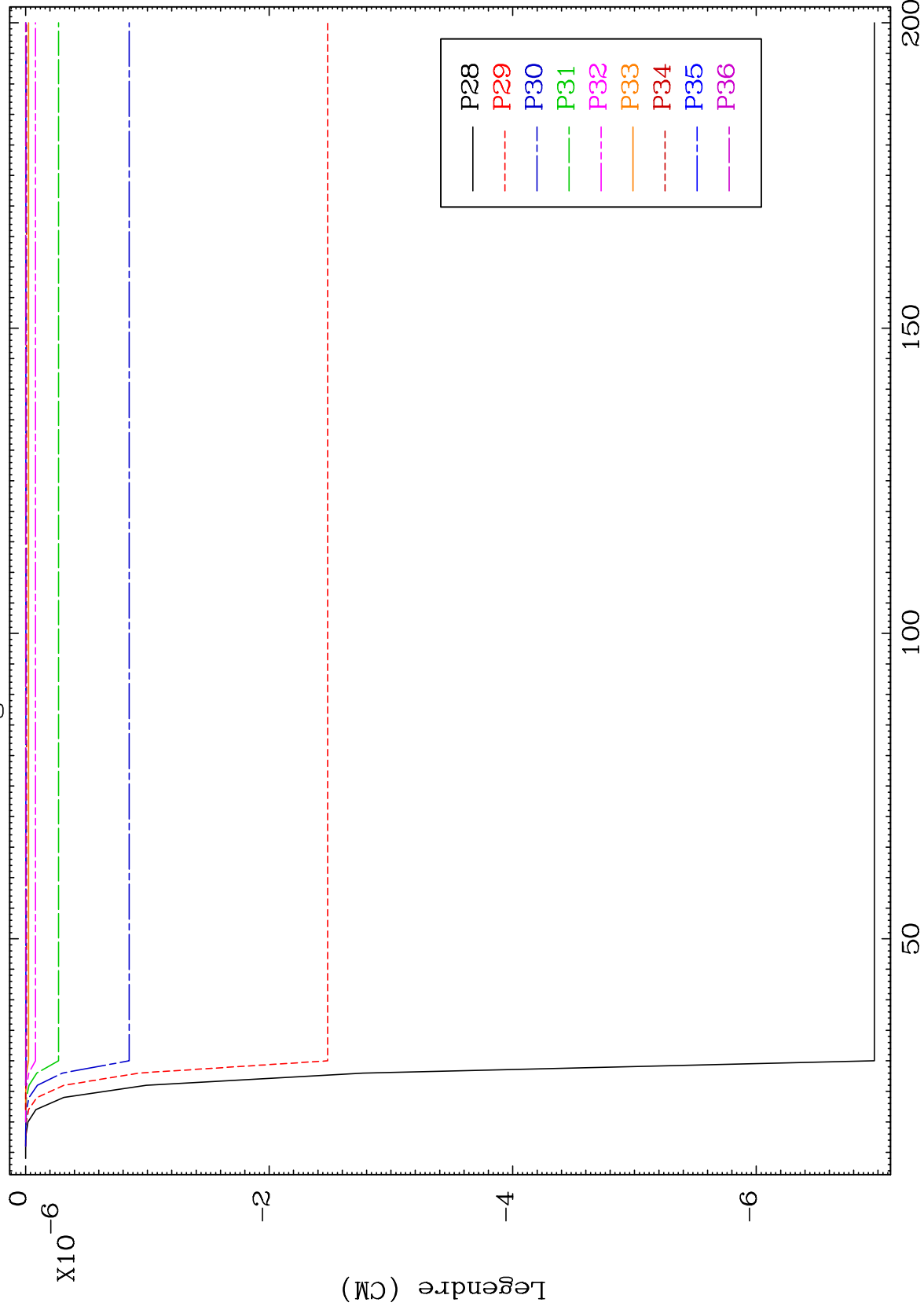


MAT 6416

MT= 60 (n,n') Level

64-Gd-149

Legendre Coefficients



64-Gd-149

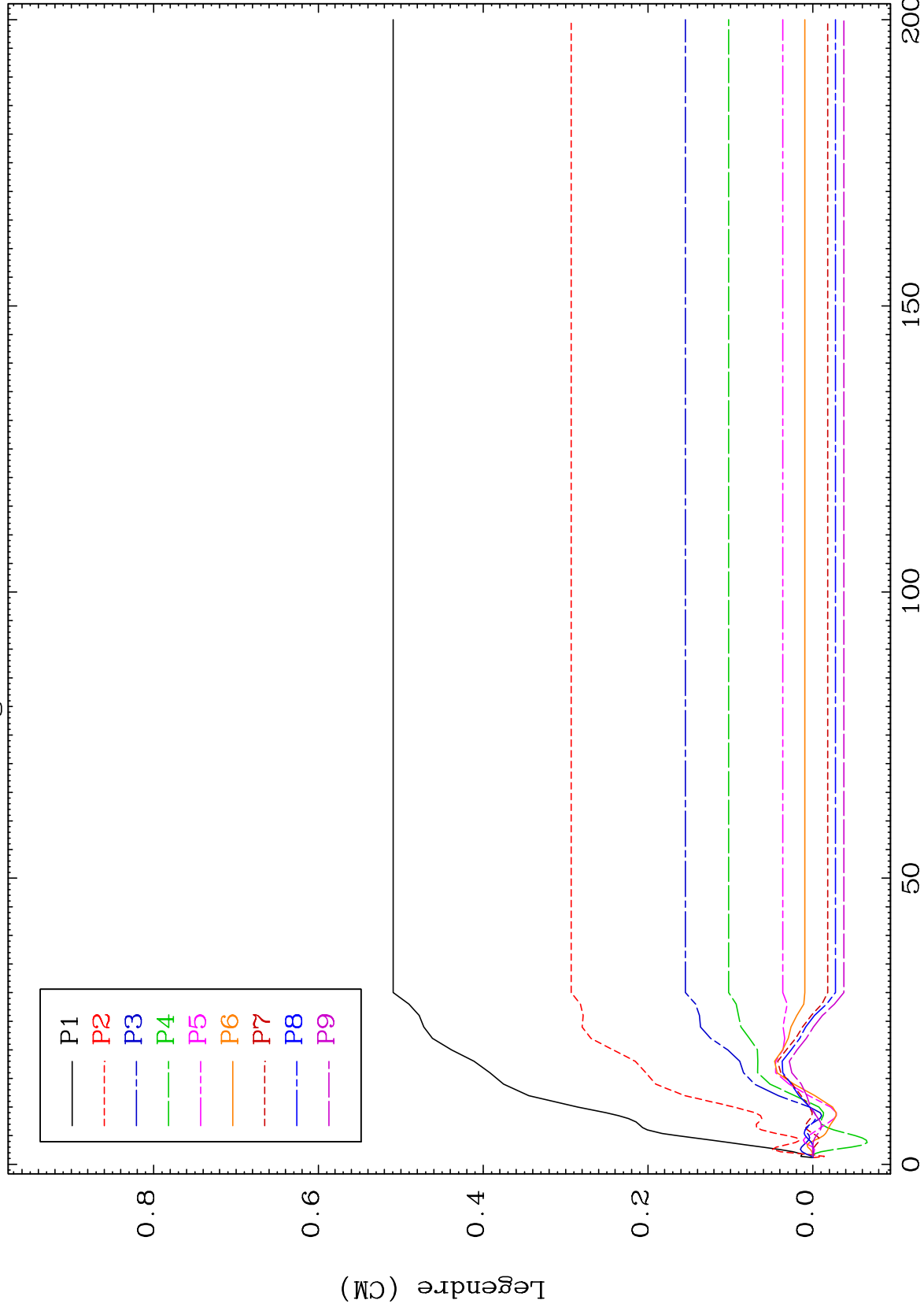
Incident Energy (MeV)

61

MAT 6416

MT= 61 (n,n') Level
Legendre Coefficients

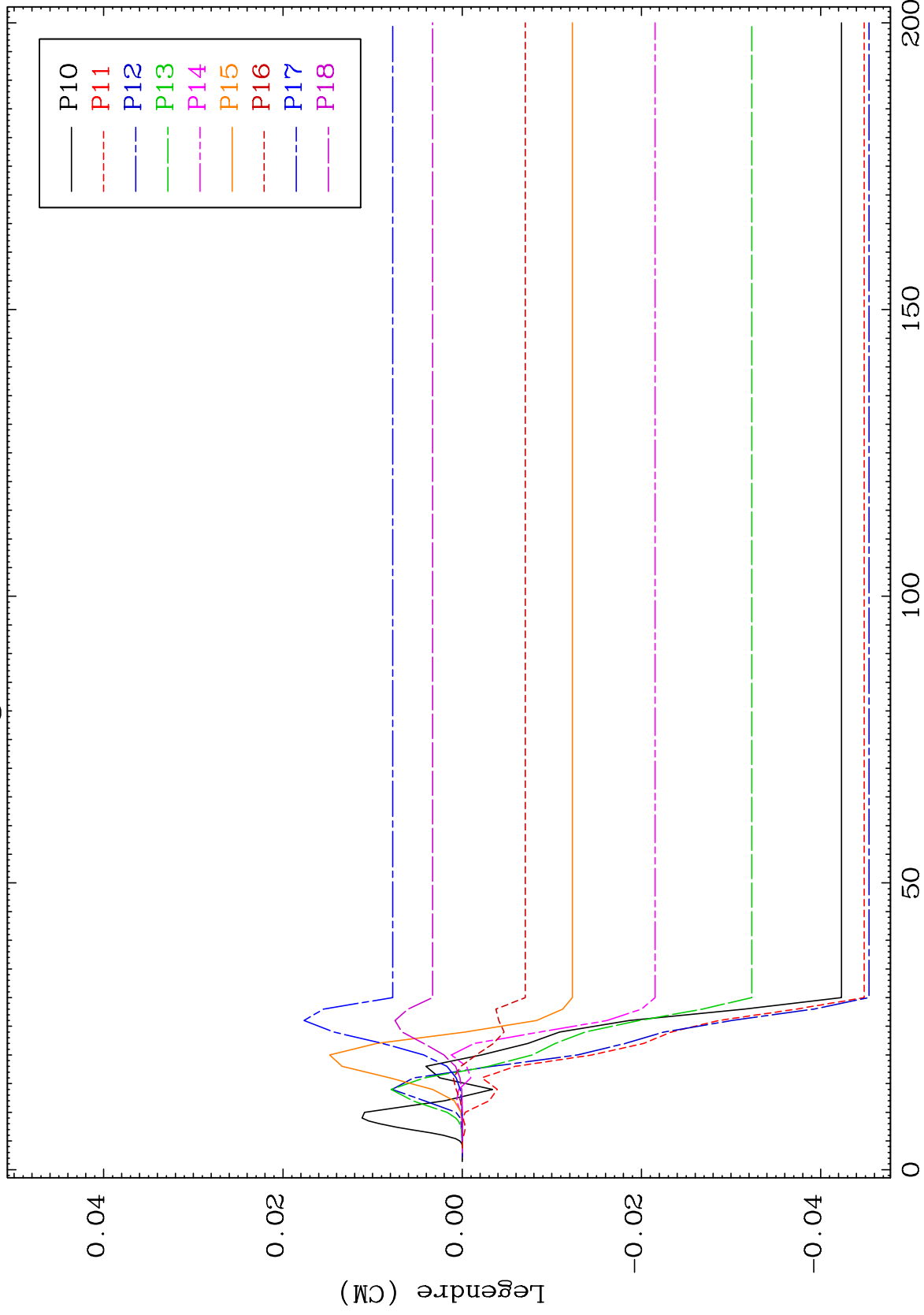
64-Gd-149



MAT 6416

MT= 61 (n,n') Level
Legendre Coefficients

64-Gd-149



63

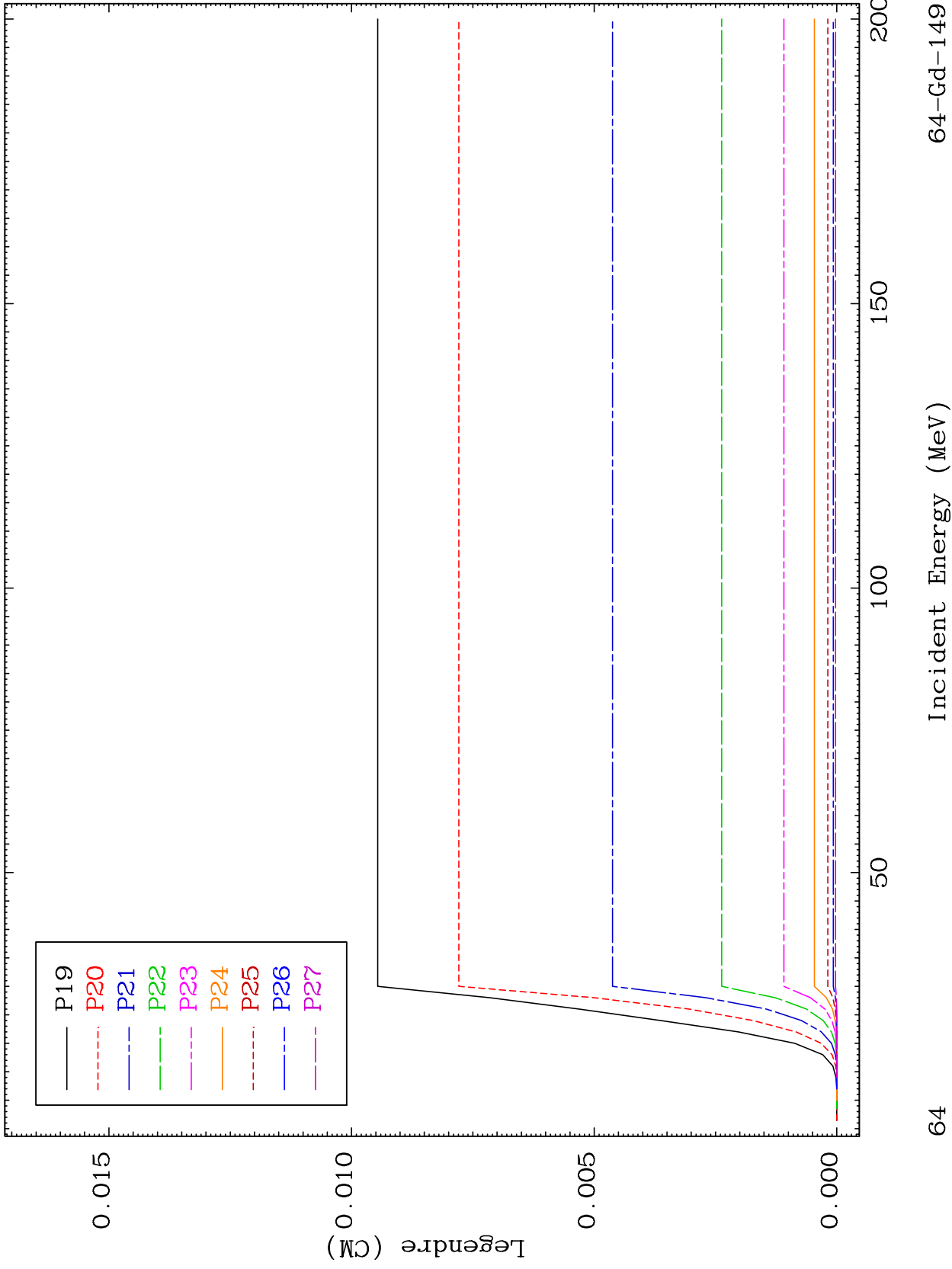
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 61 (n,n') Level
Legendre Coefficients

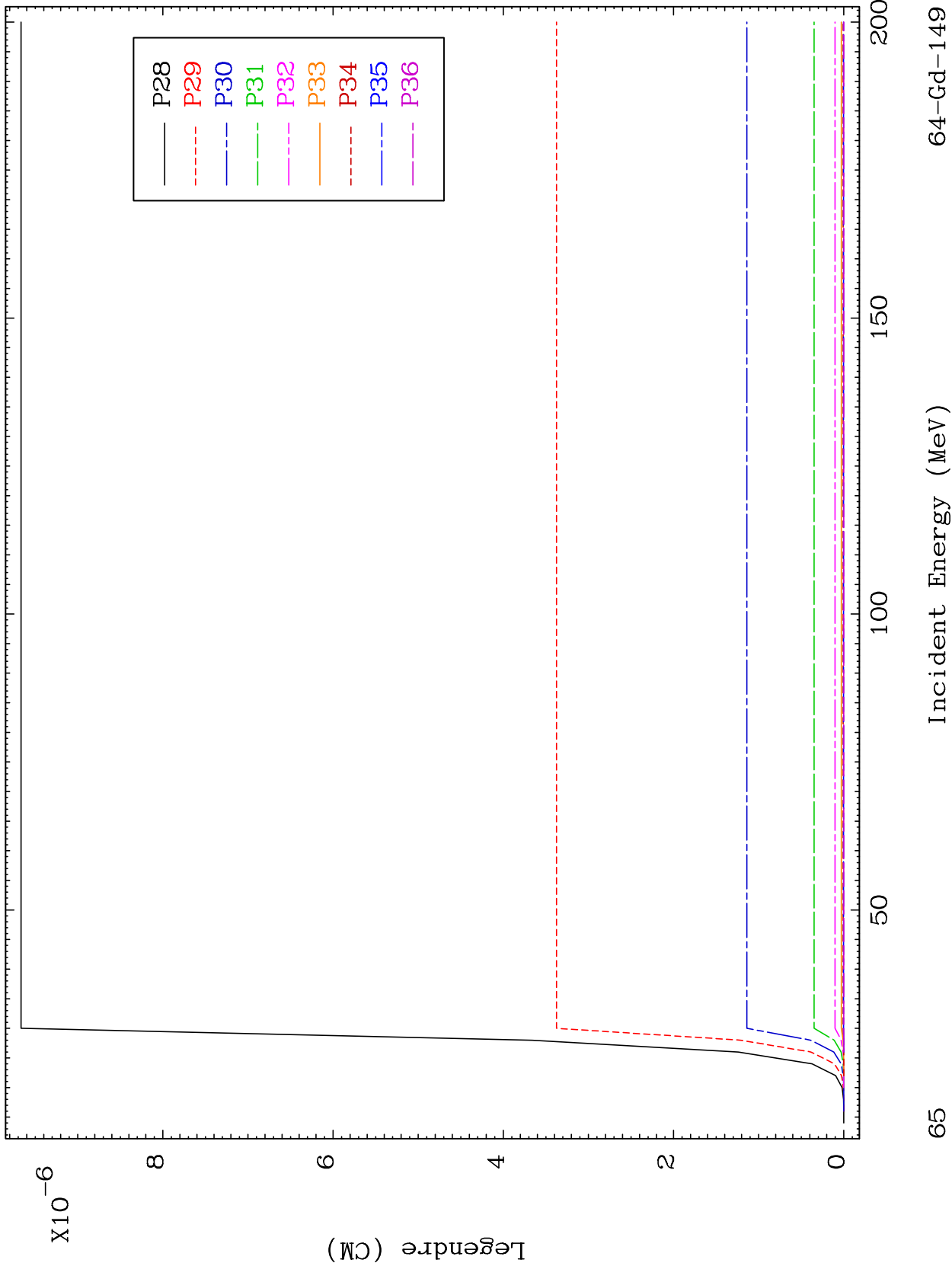
64-Gd-149



MAT 6416

MT= 61 (n,n') Level
Legendre Coefficients

64-Gd-149



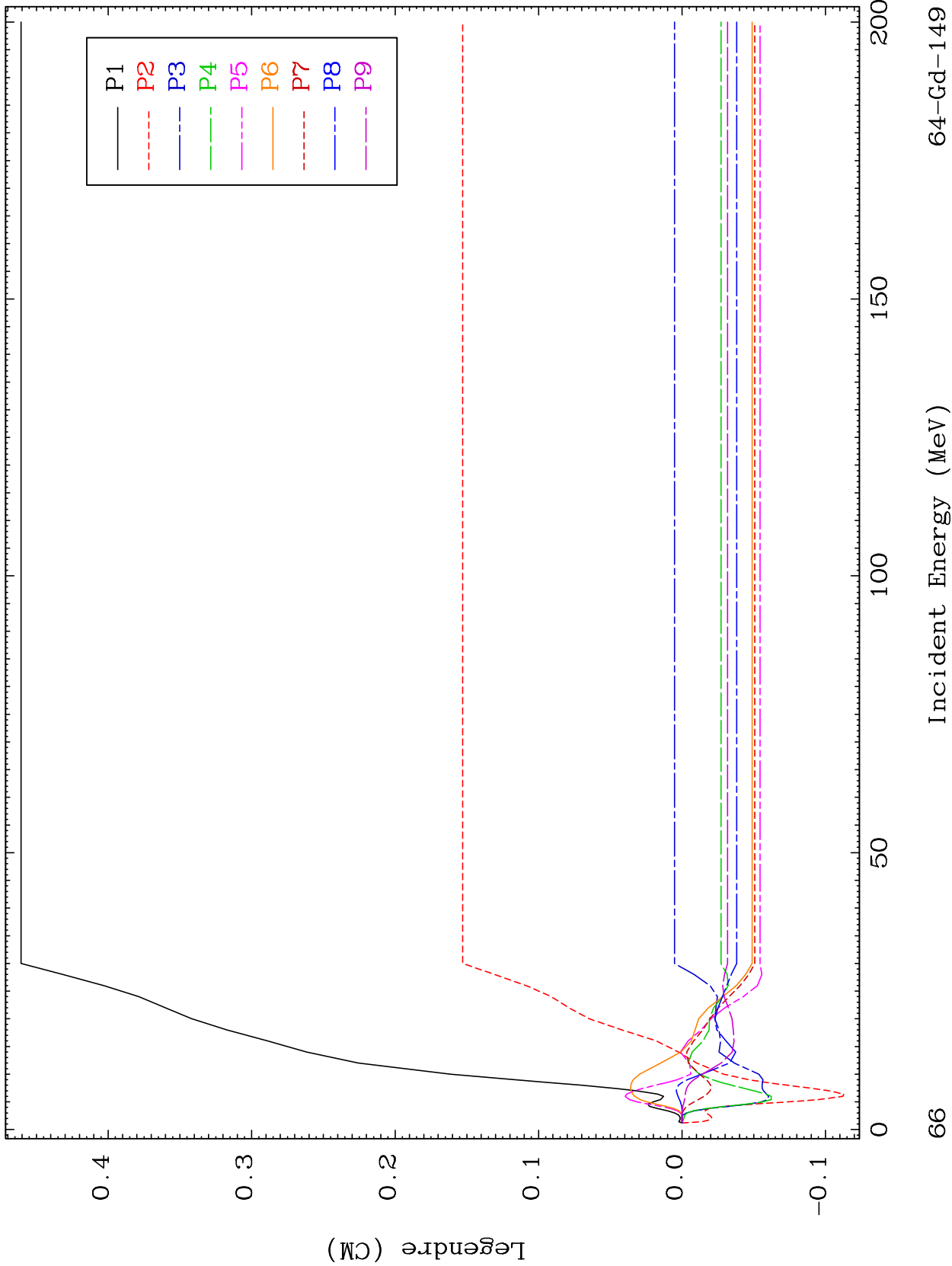
65

64-Gd-149

MAT 6416

MT= 62 (n,n') Level
Legendre Coefficients

64-Gd-149



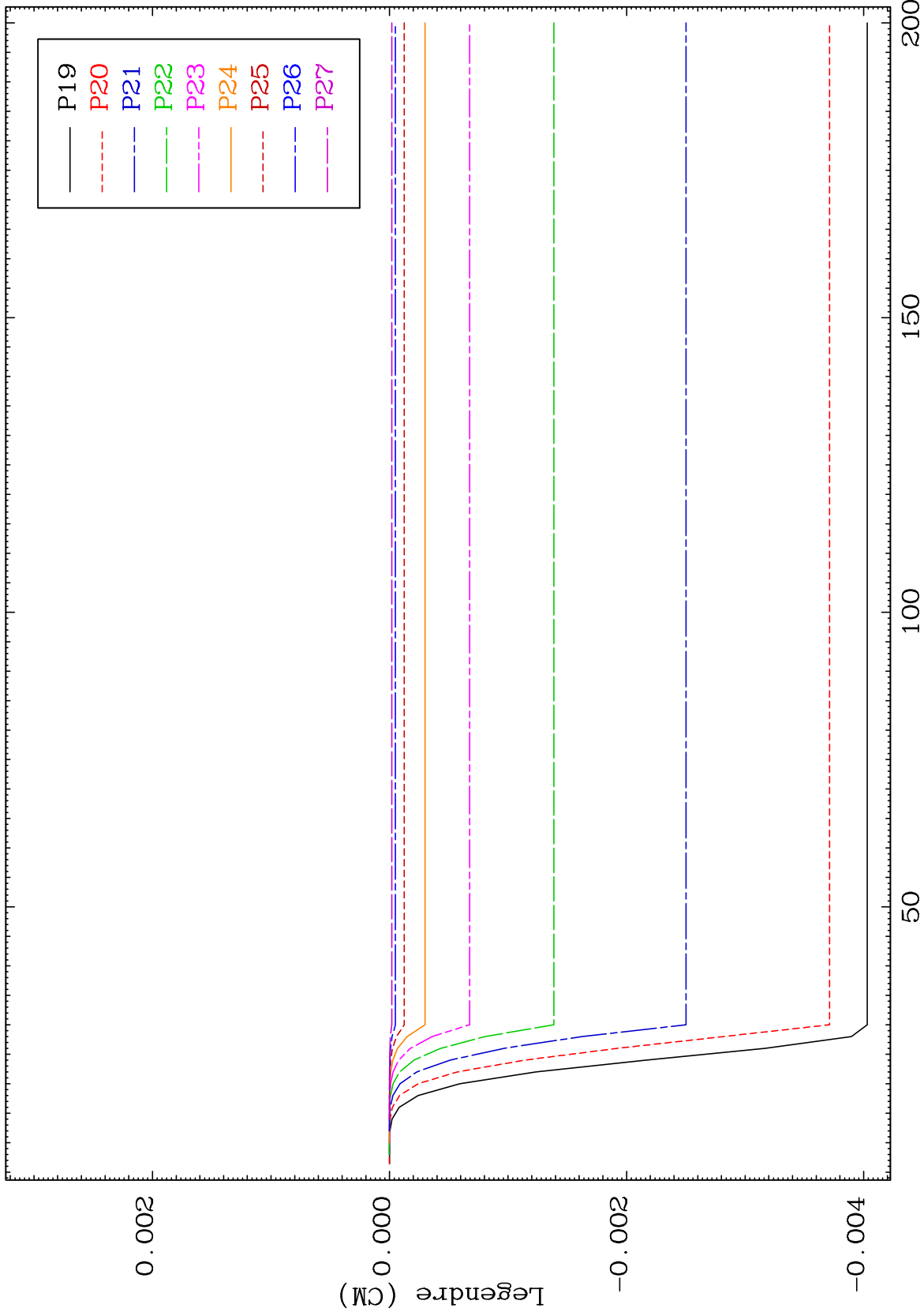
66

64-Gd-149

MAT 6416

MT= 62 (n,n') Level
Legendre Coefficients

64-Gd-149



68

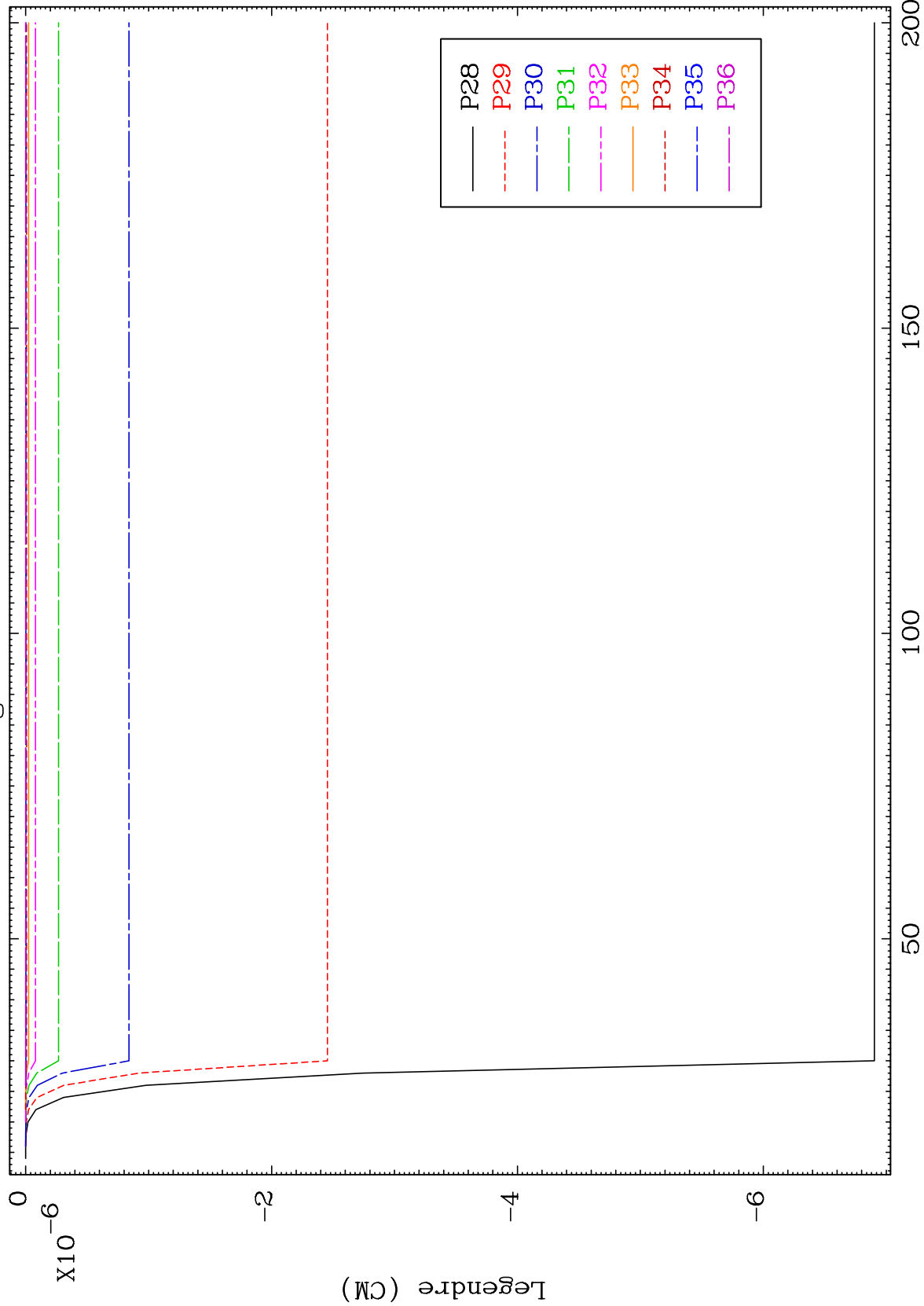
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 62 (n,n') Level
Legendre Coefficients

64-Gd-149



69

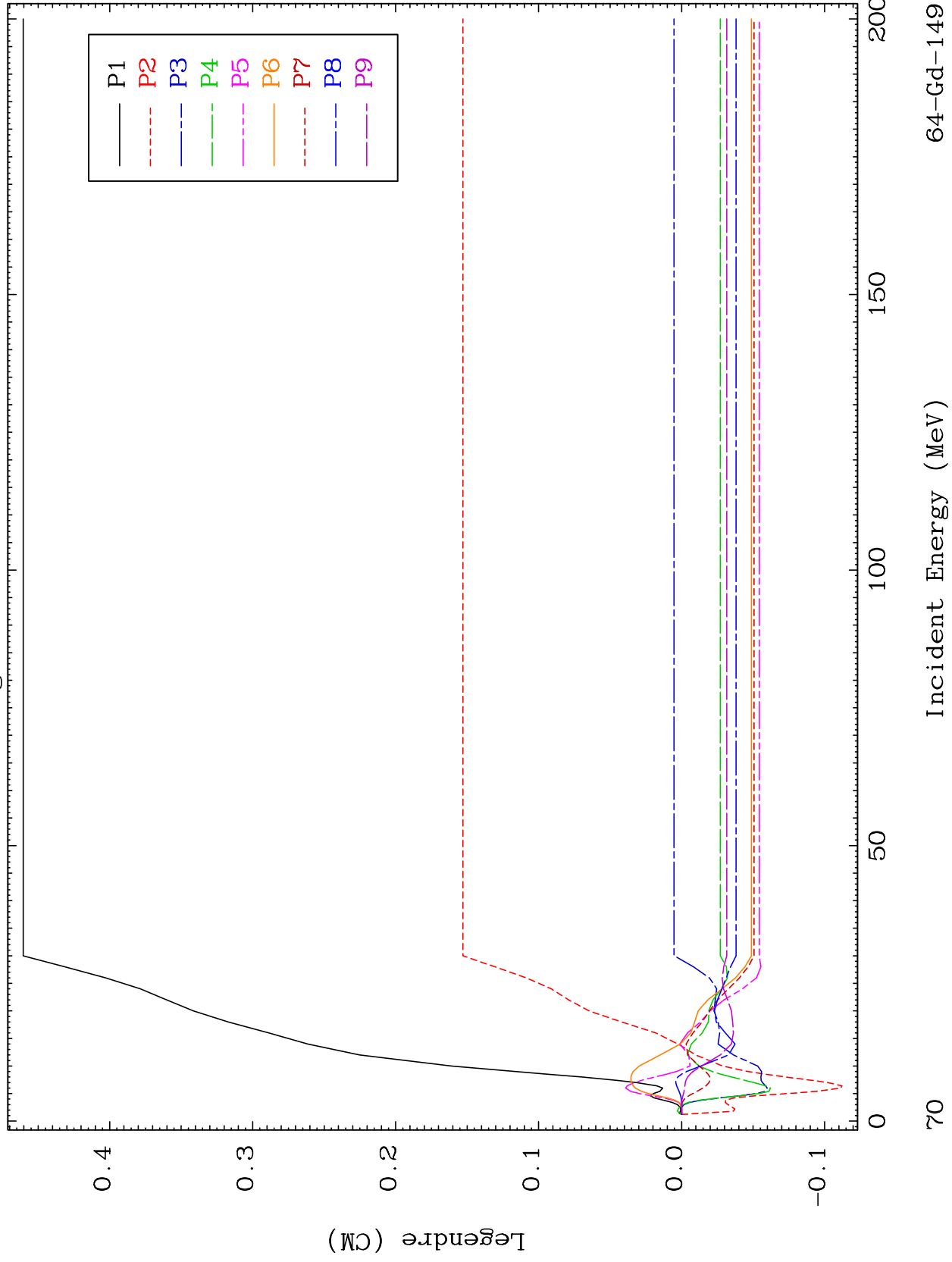
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 63 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

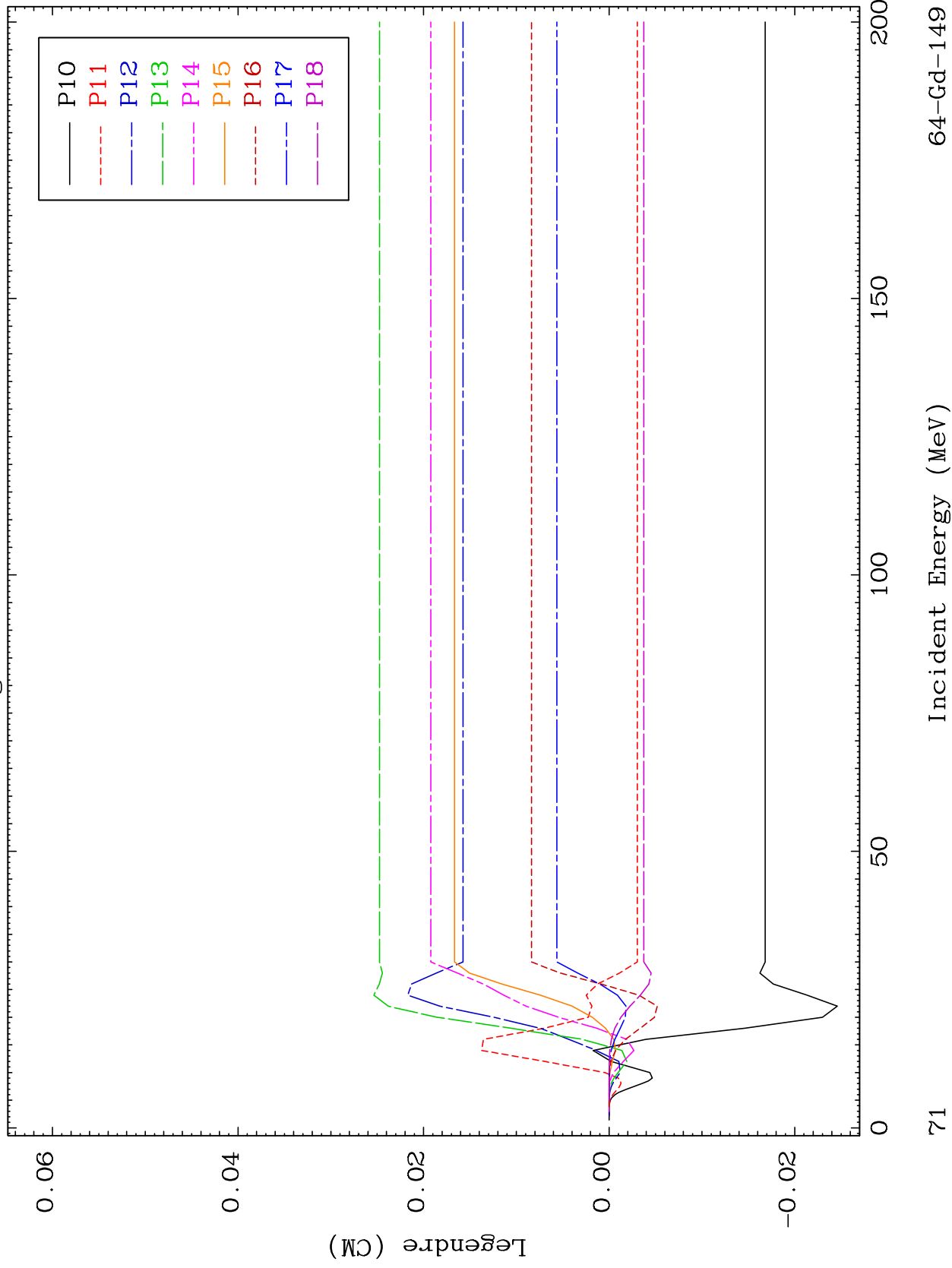
Incident Energy (MeV)

70

MAT 6416

MT= 63 (n,n') Level
Legendre Coefficients

64-Gd-149



71

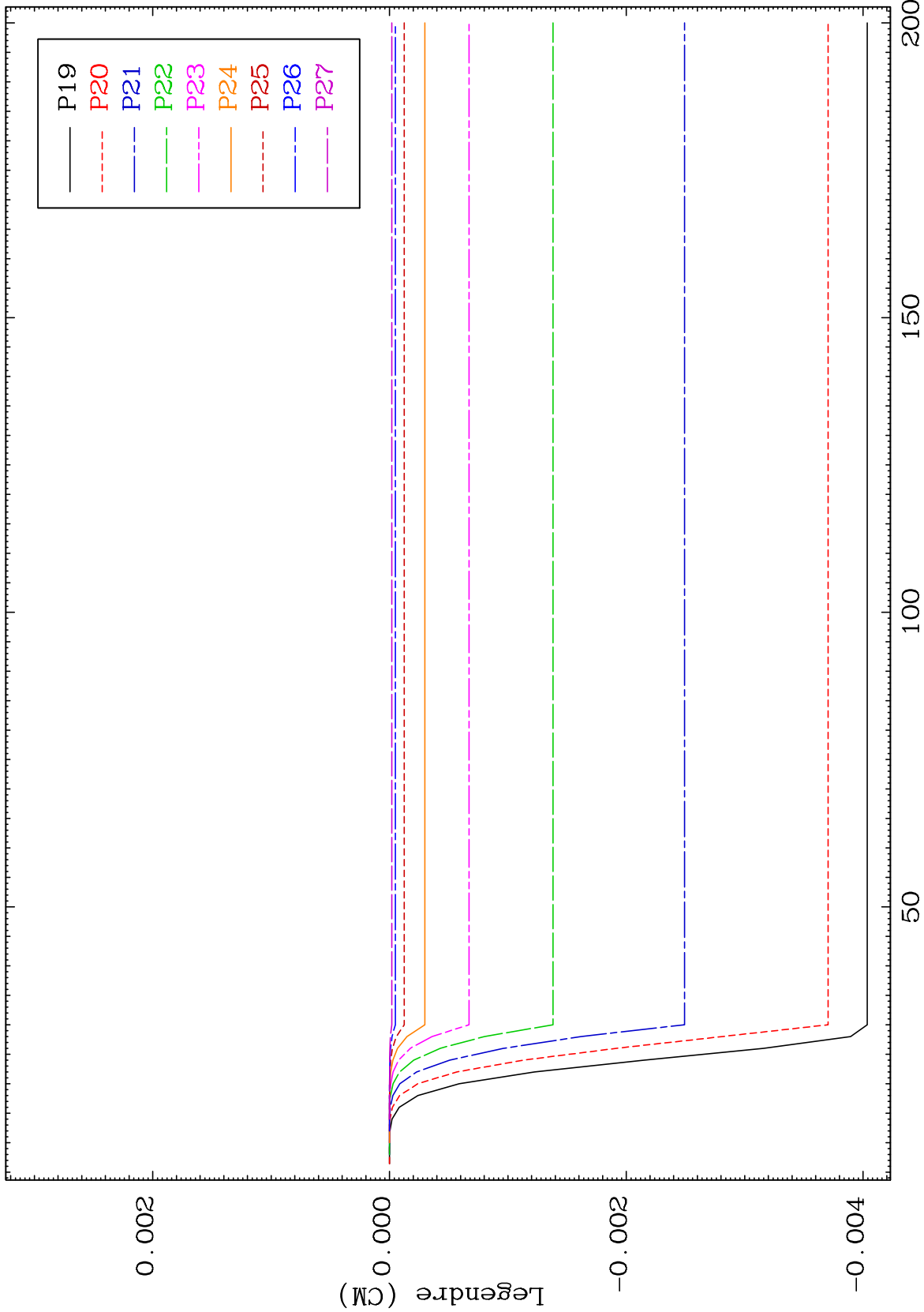
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 63 (n,n') Level
Legendre Coefficients

64-Gd-149



72

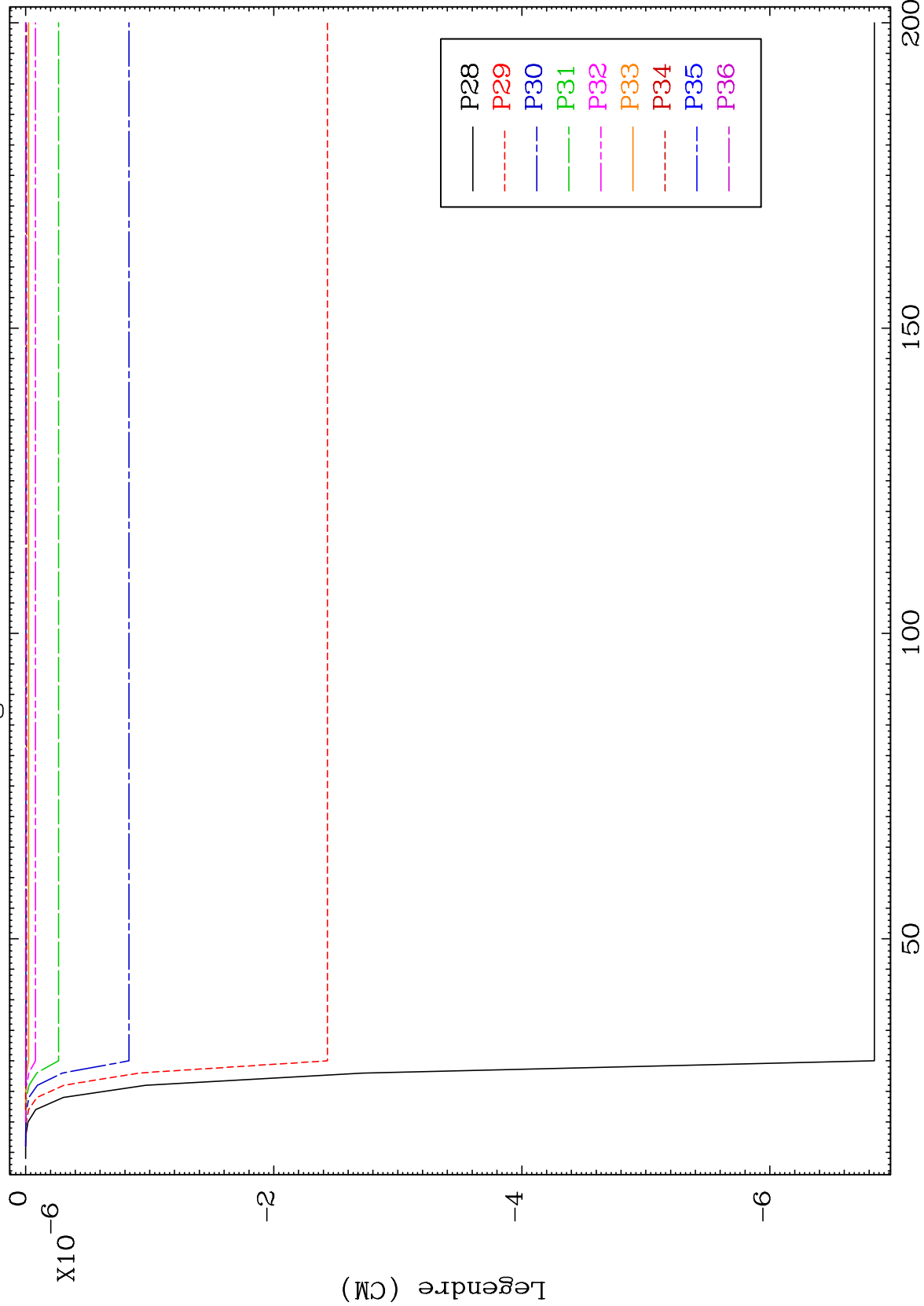
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 63 (n,n') Level
Legendre Coefficients

64-Gd-149



73

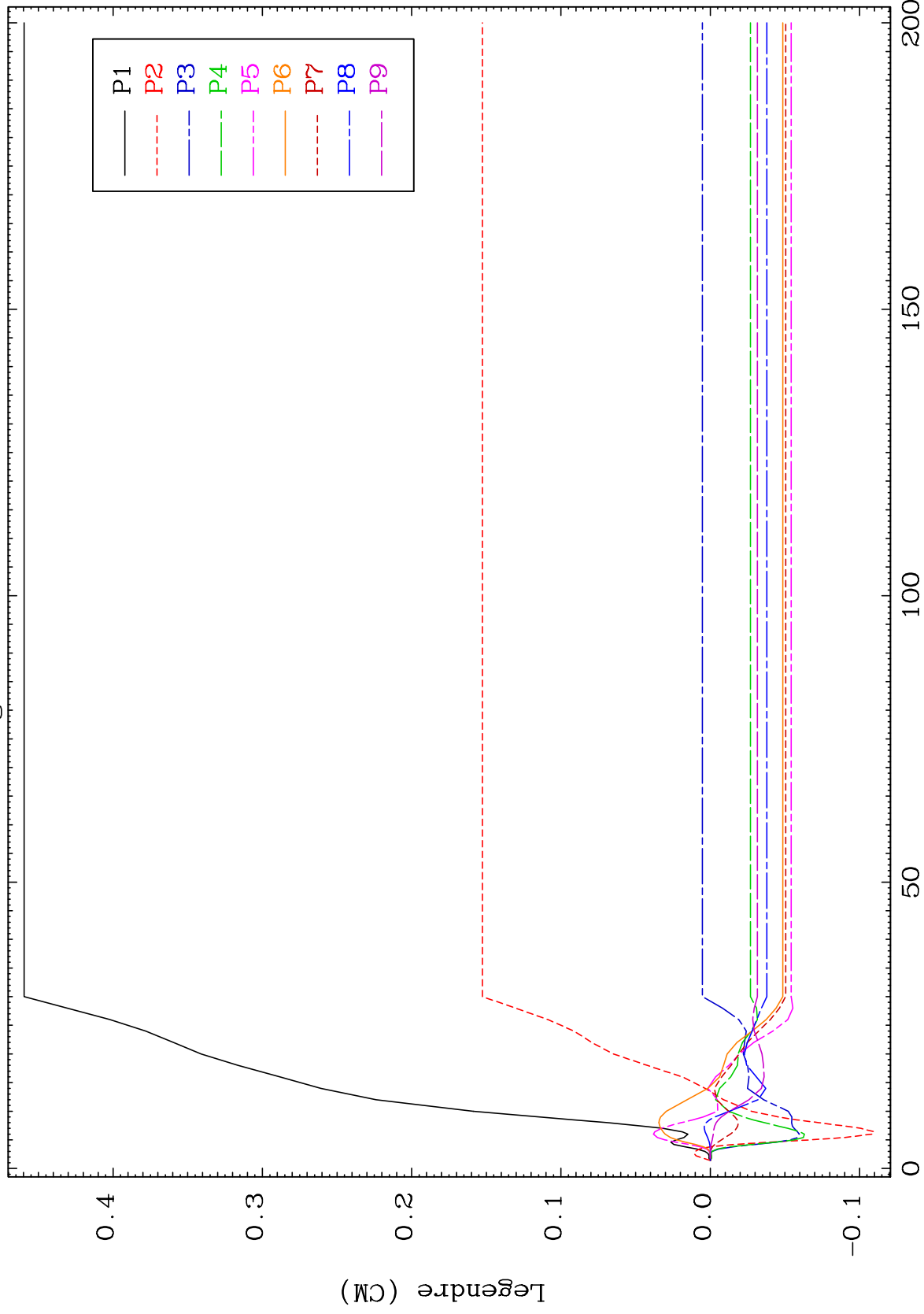
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 64 (n,n') Level
Legendre Coefficients

64-Gd-149



74

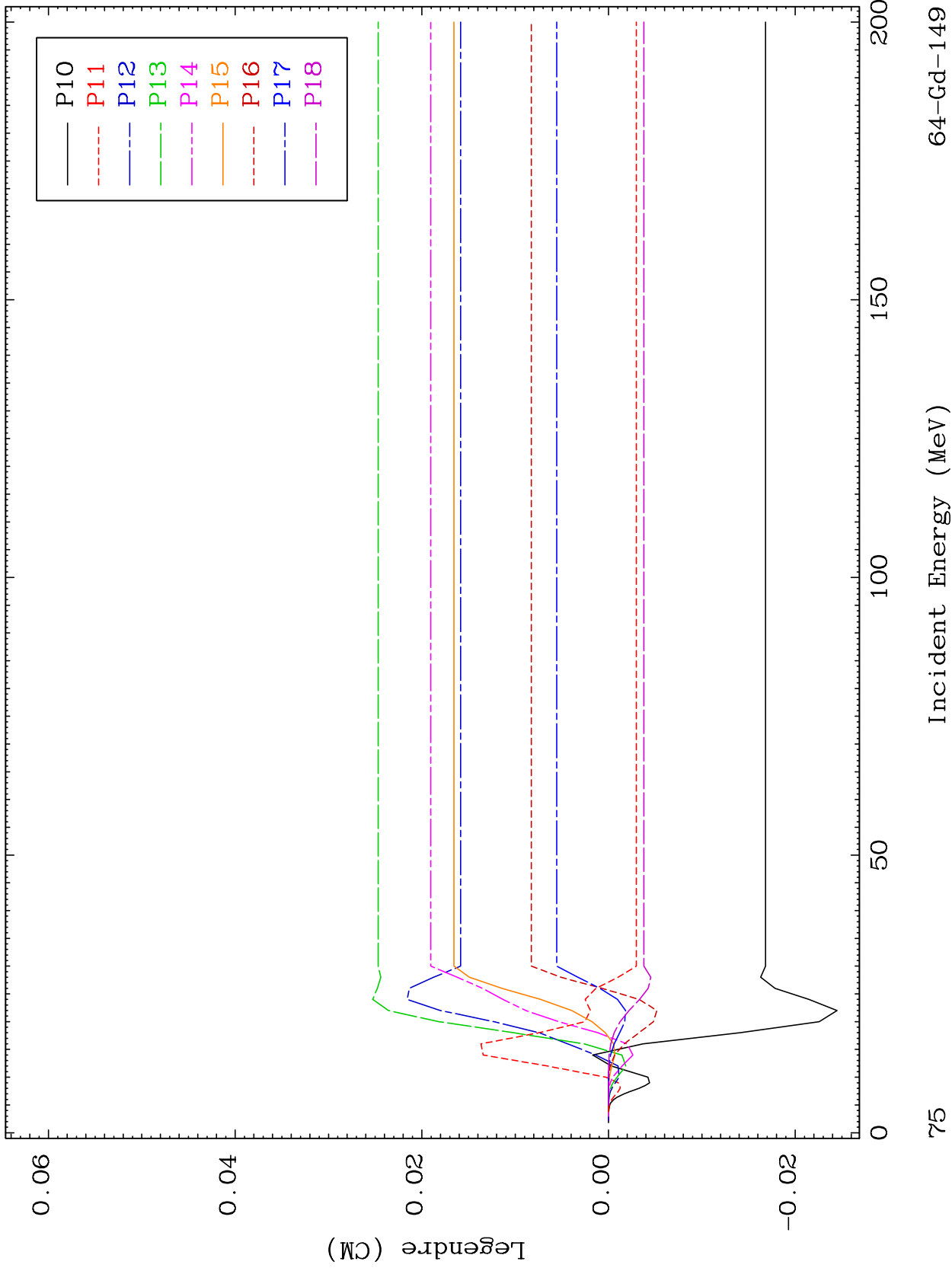
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 64 (n,n') Level
Legendre Coefficients

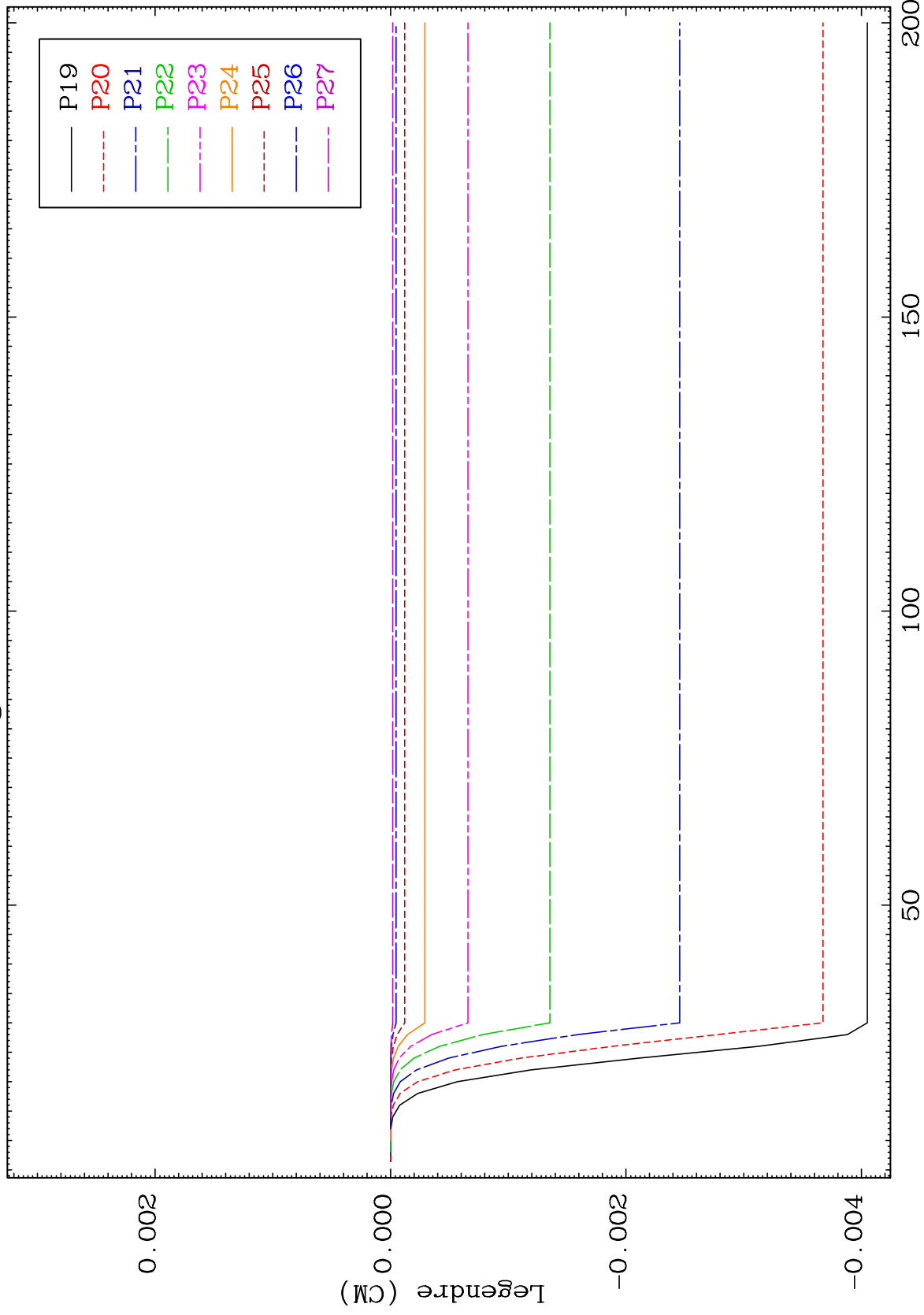
64-Gd-149



MAT 6416

MT= 64 (n,n') Level
Legendre Coefficients

64-Gd-149



76

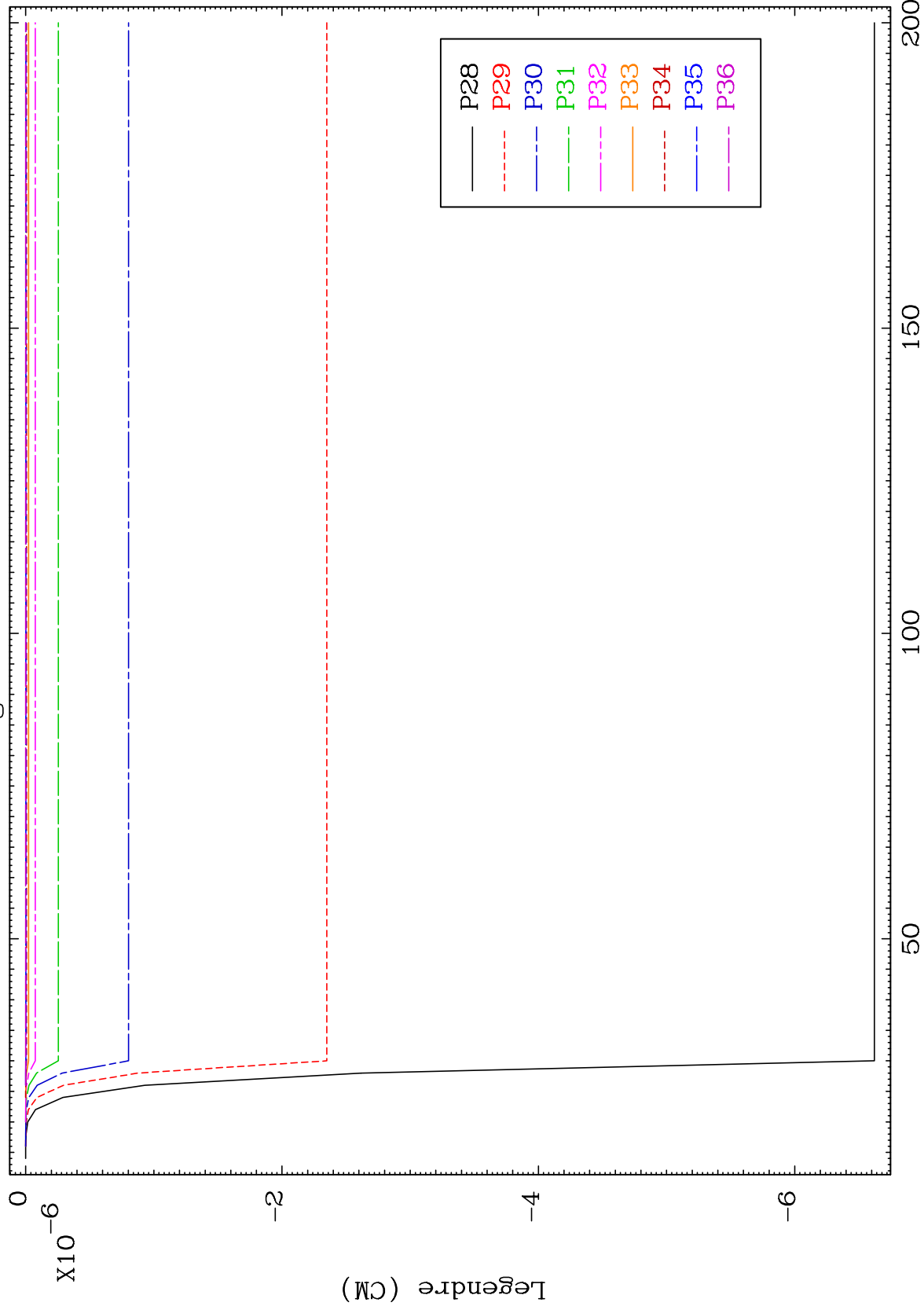
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 64 (n,n') Level
Legendre Coefficients

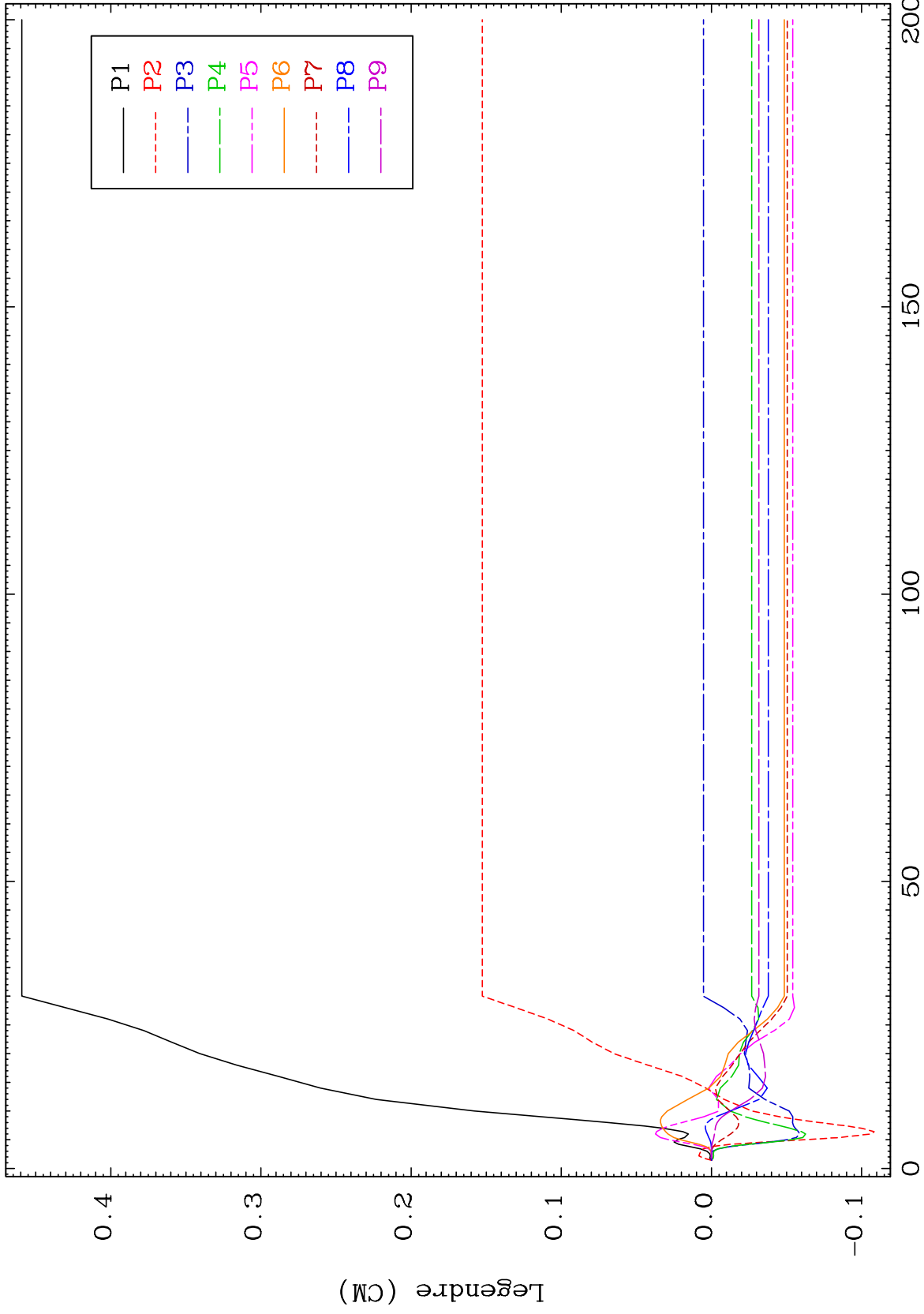
64-Gd-149



MAT 6416

MT= 65 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

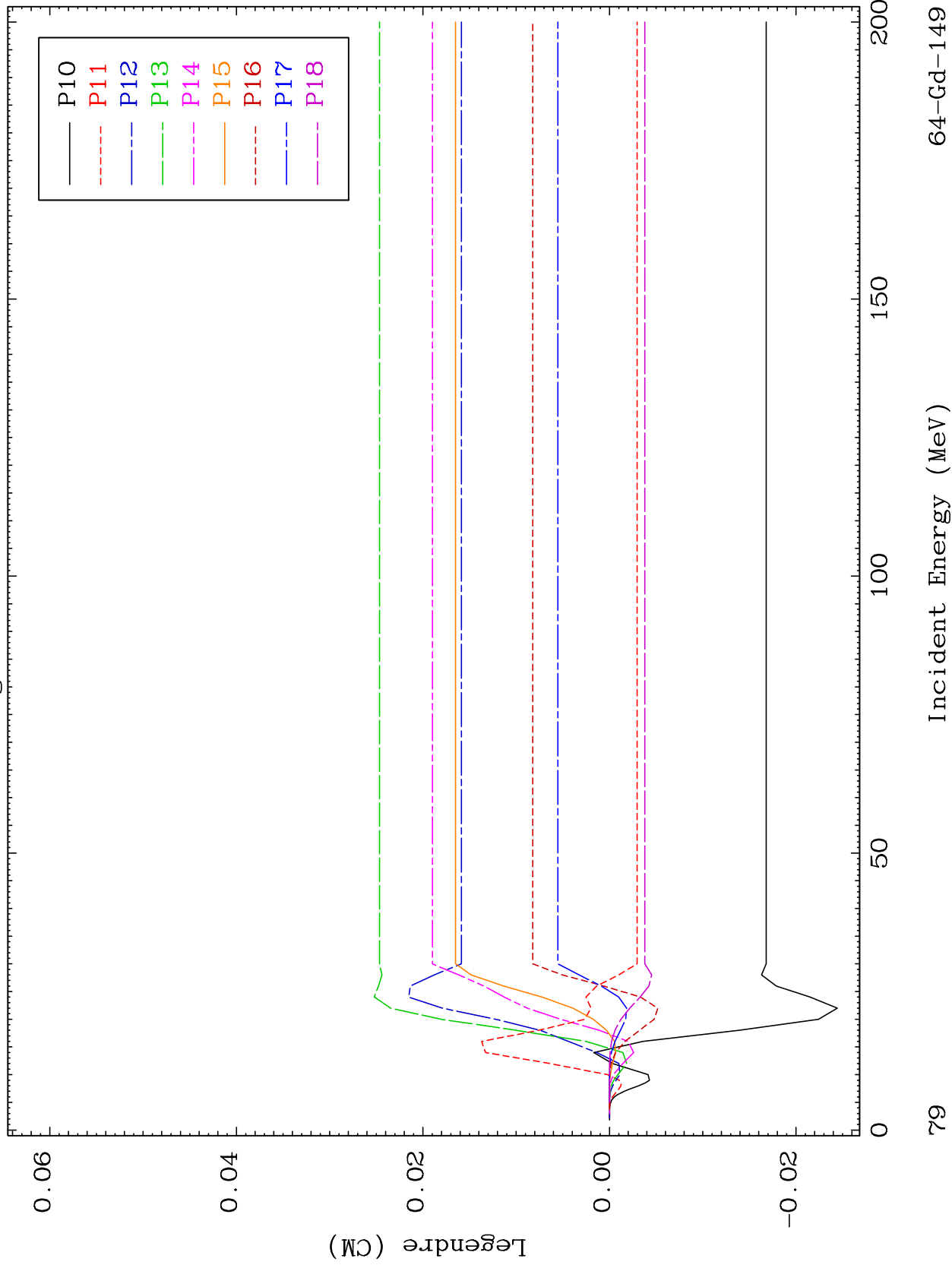
Incident Energy (MeV)

78

MAT 6416

MT= 65 (n,n') Level
Legendre Coefficients

64-Gd-149



79

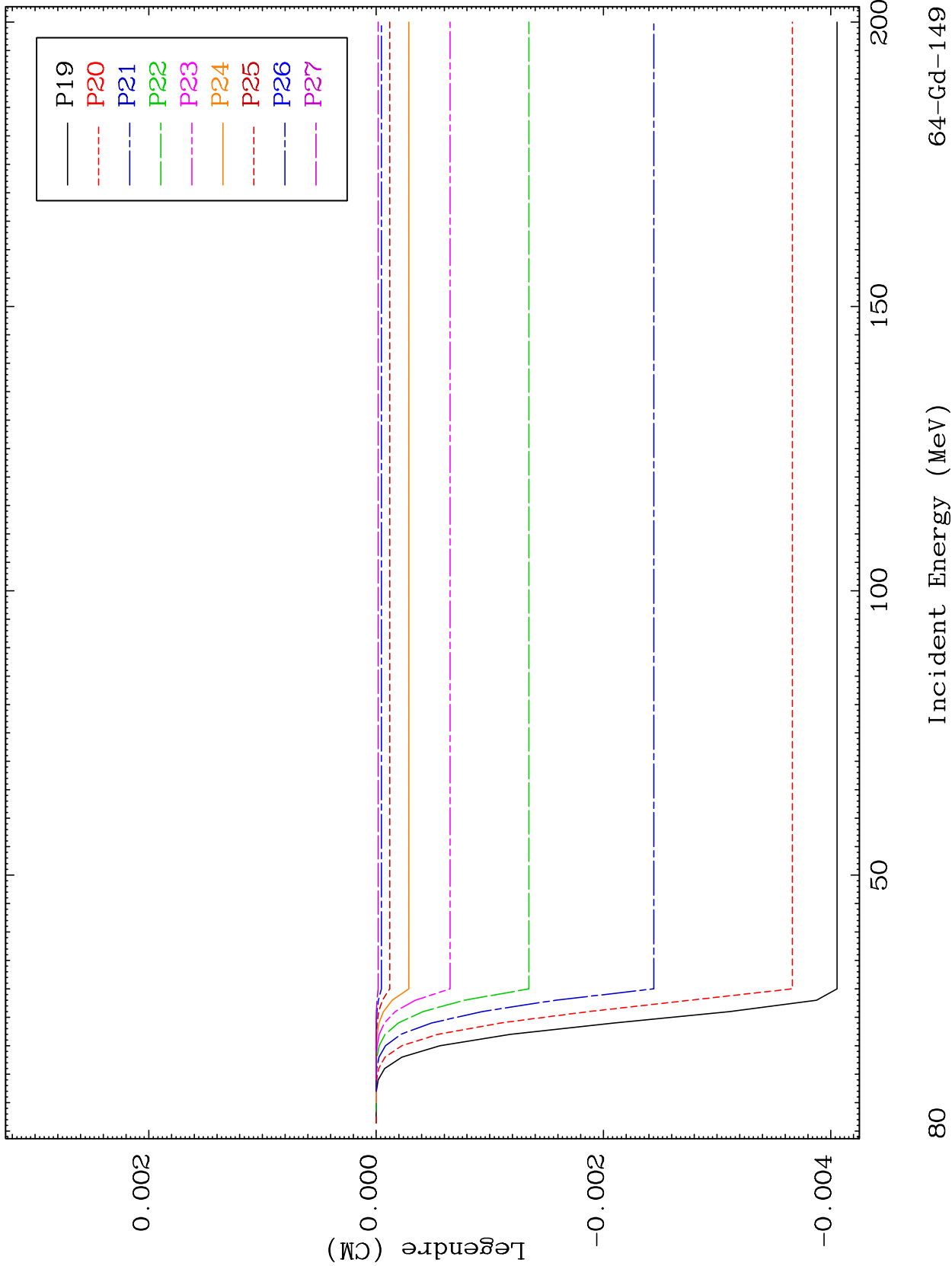
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 65 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

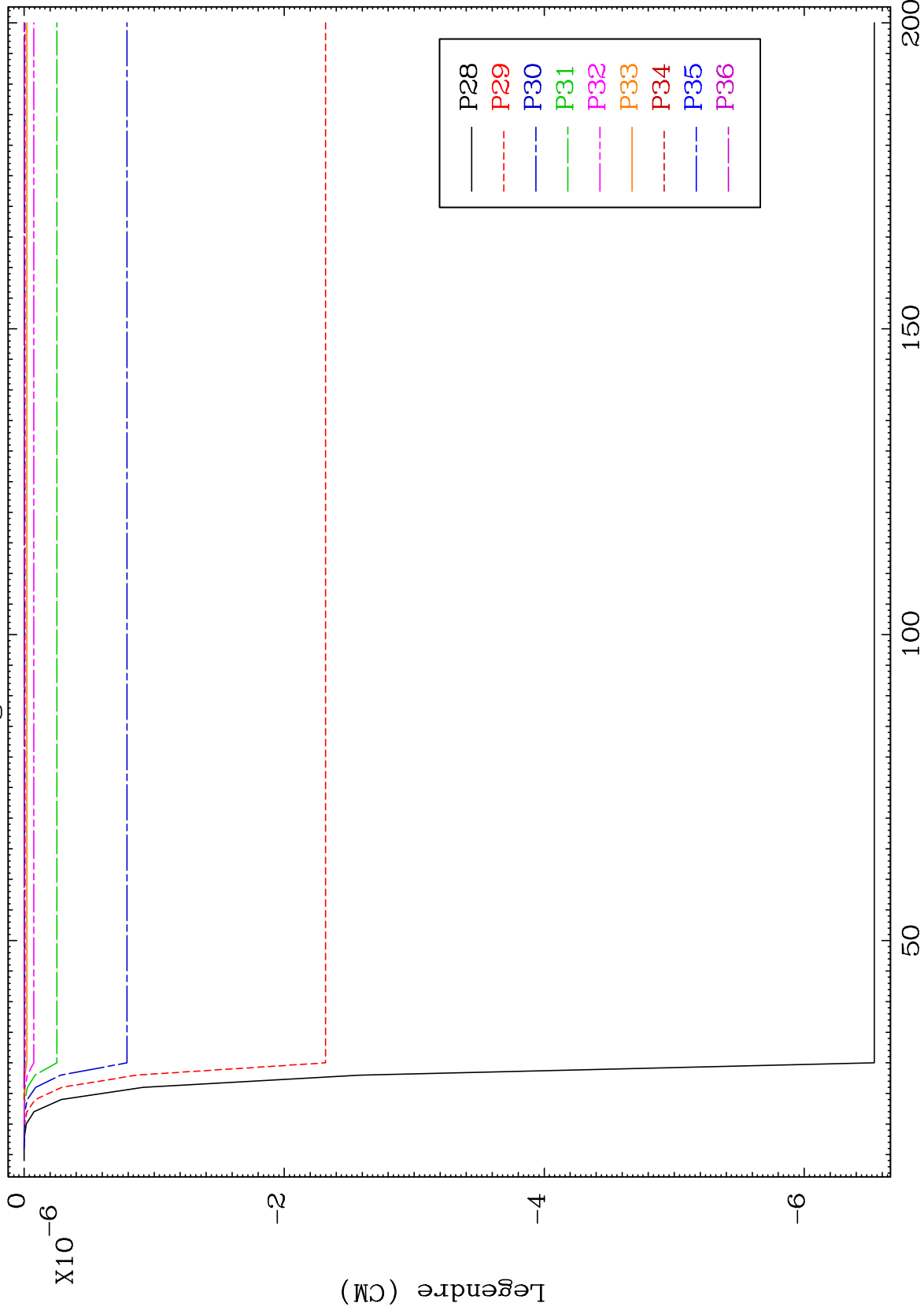
Incident Energy (MeV)

80

MAT 6416

MT= 65 (n,n') Level
Legendre Coefficients

64-Gd-149



81

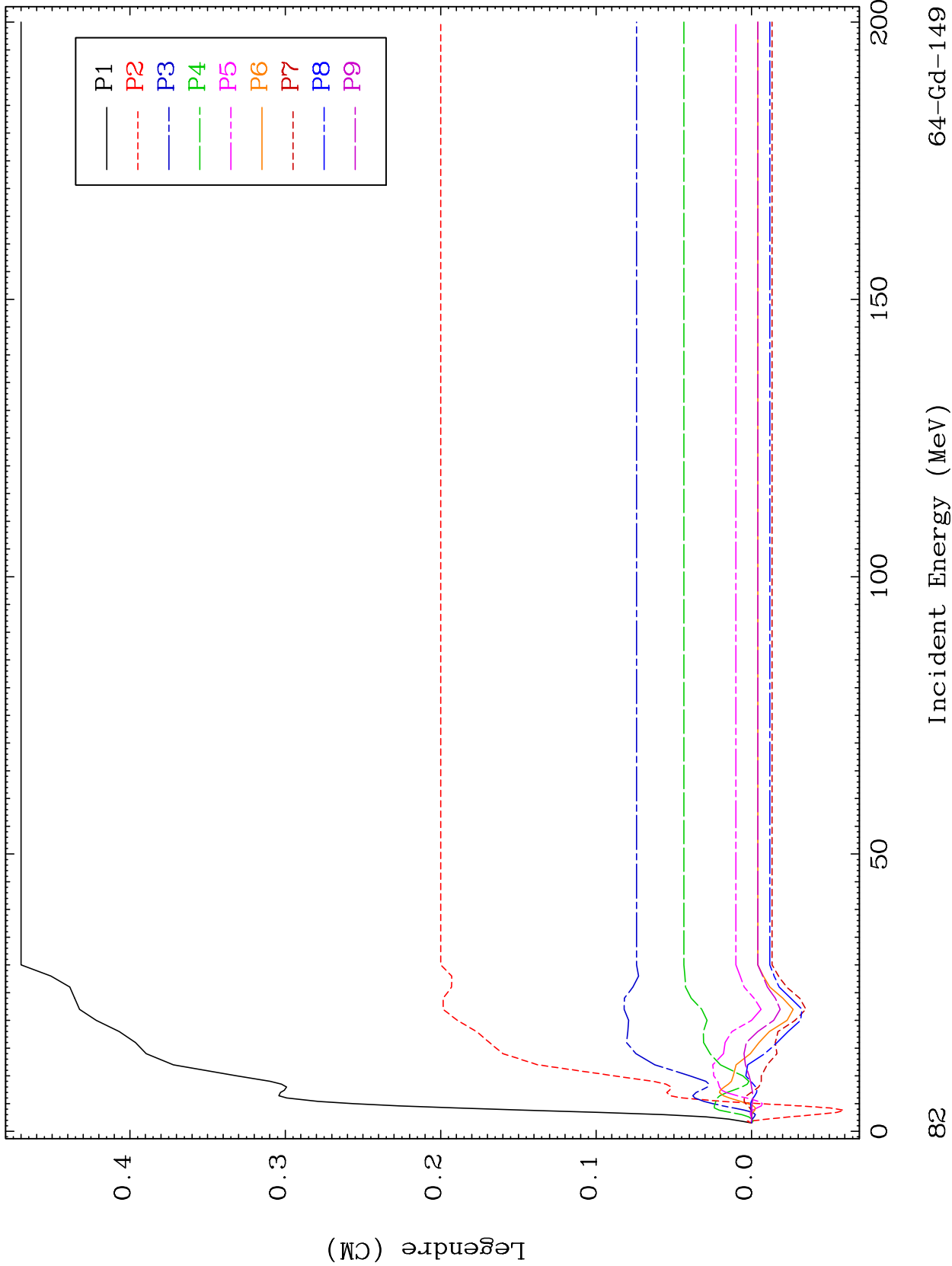
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 66 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

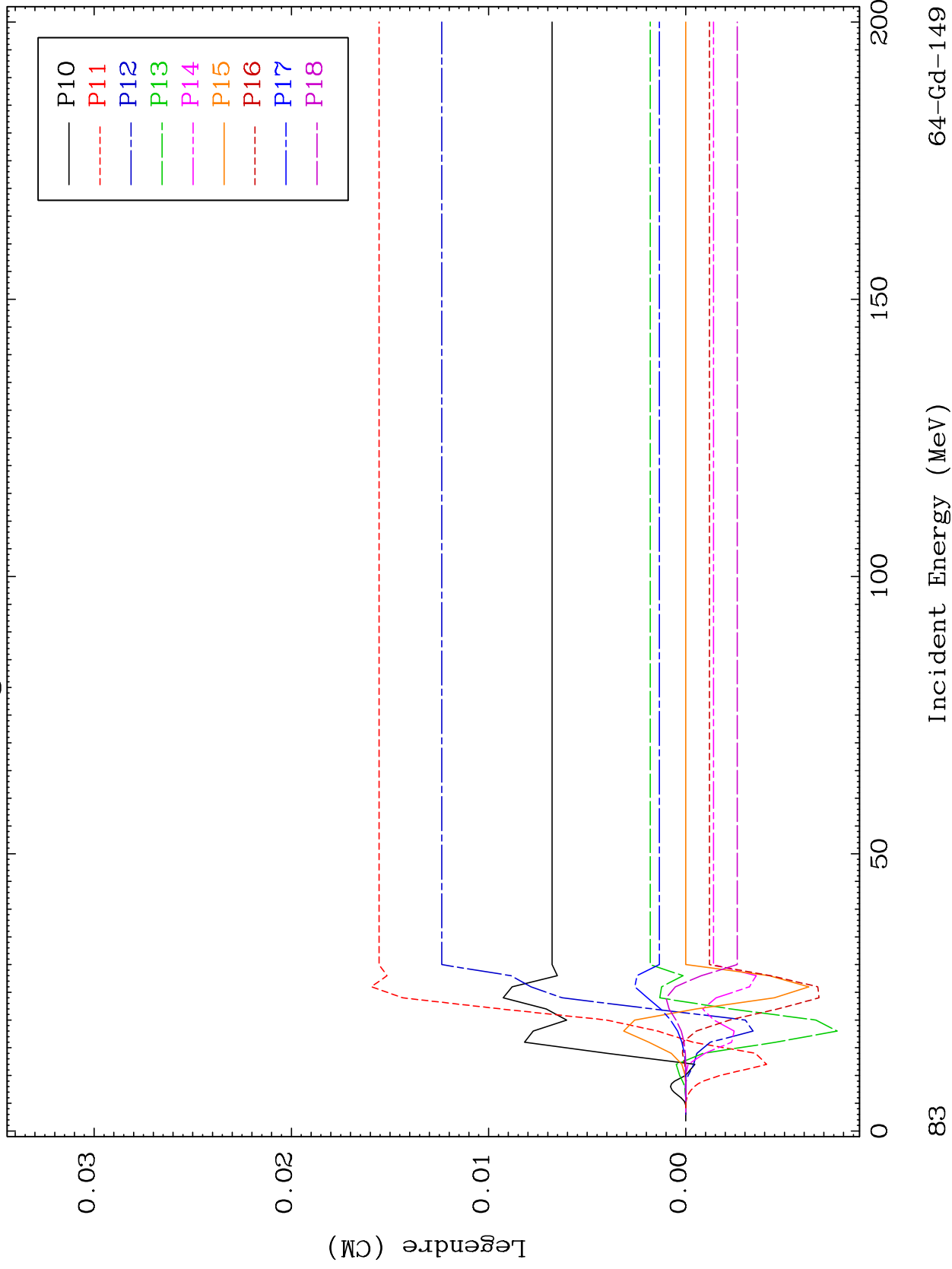
Incident Energy (MeV)

82

MAT 6416

MT= 66 (n,n') Level
Legendre Coefficients

64-Gd-149



83

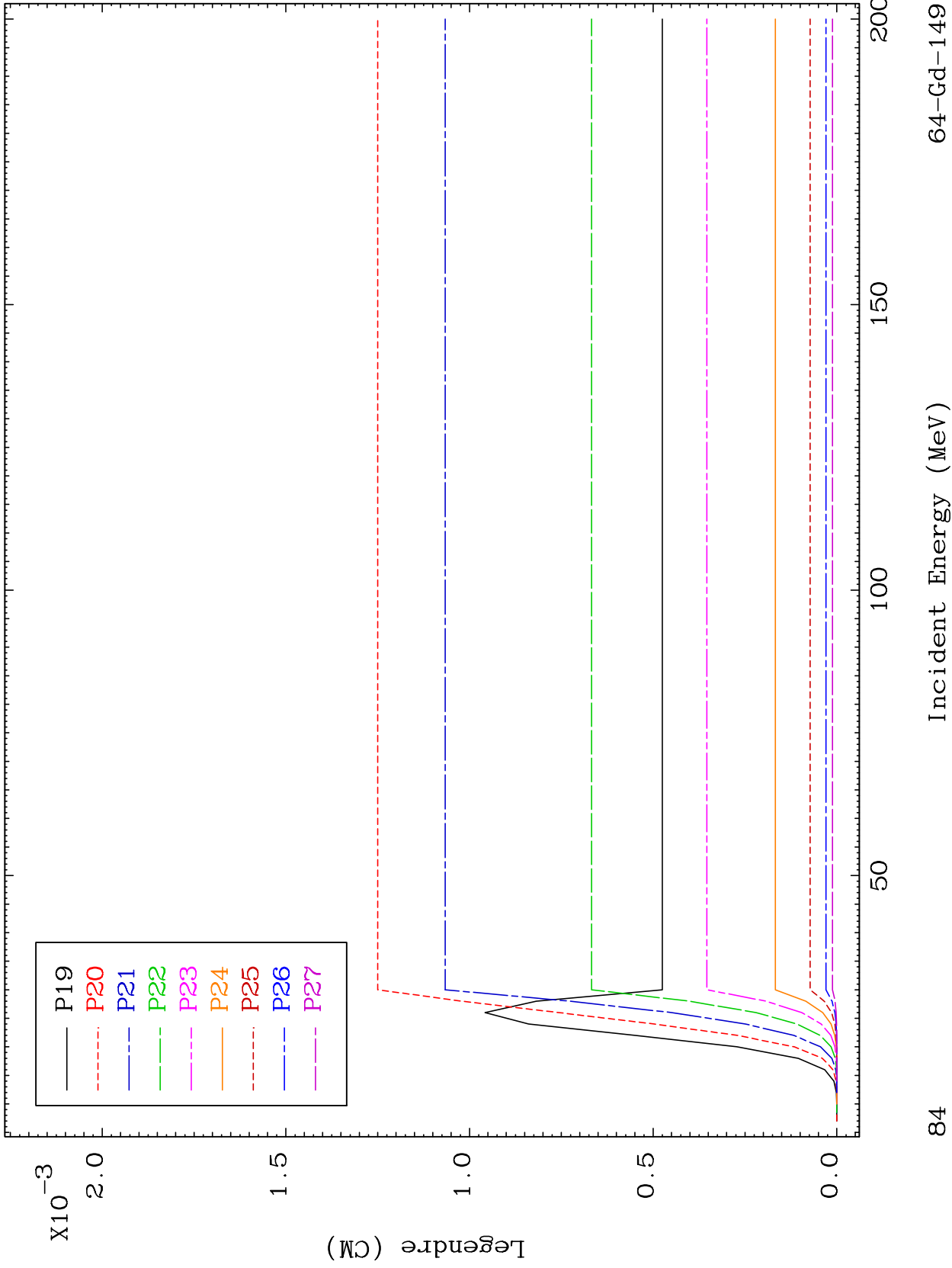
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 66 (n,n') Level
Legendre Coefficients

64-Gd-149



84

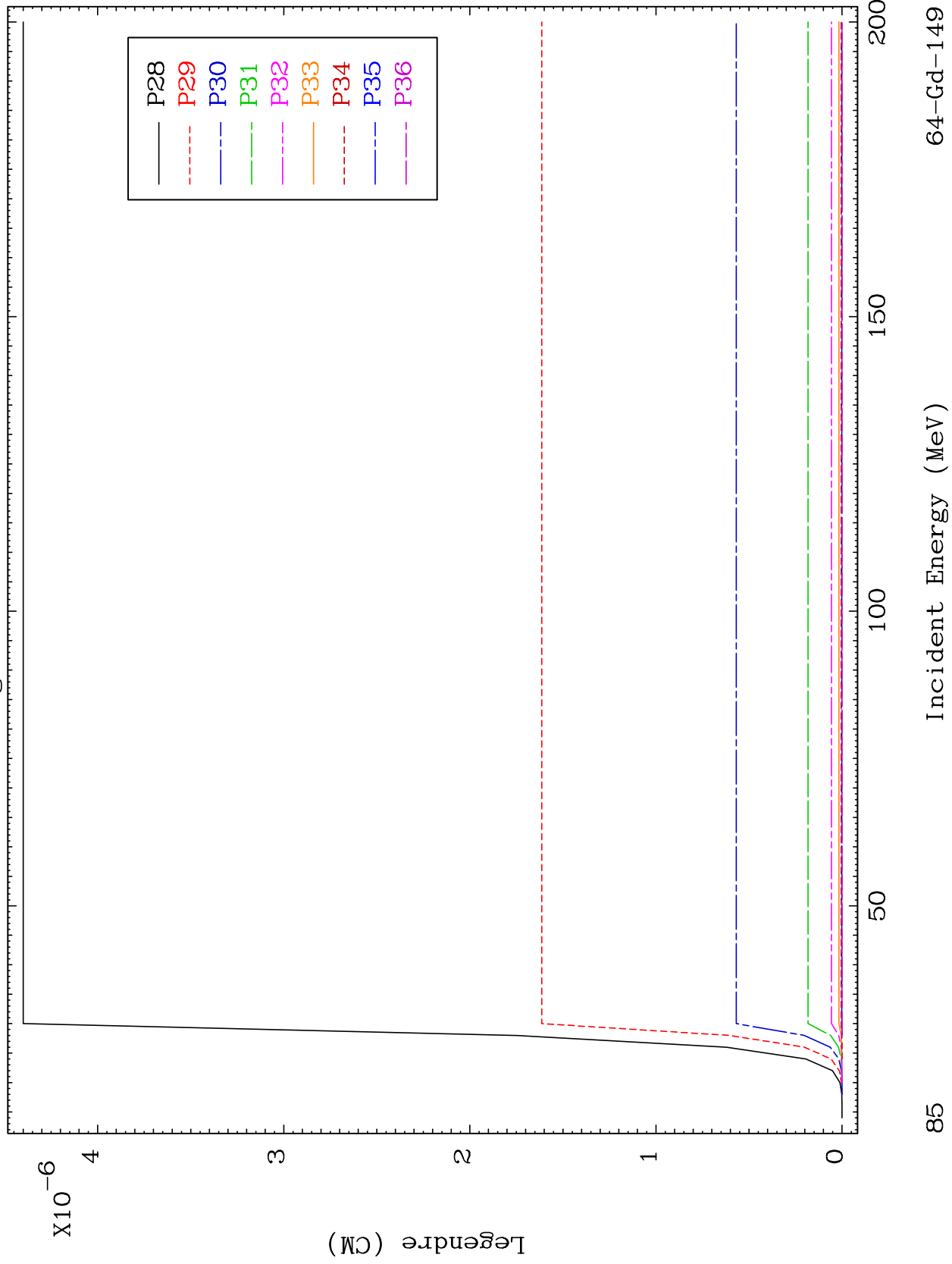
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 66 (n,n') Level
Legendre Coefficients

64-Gd-149



85

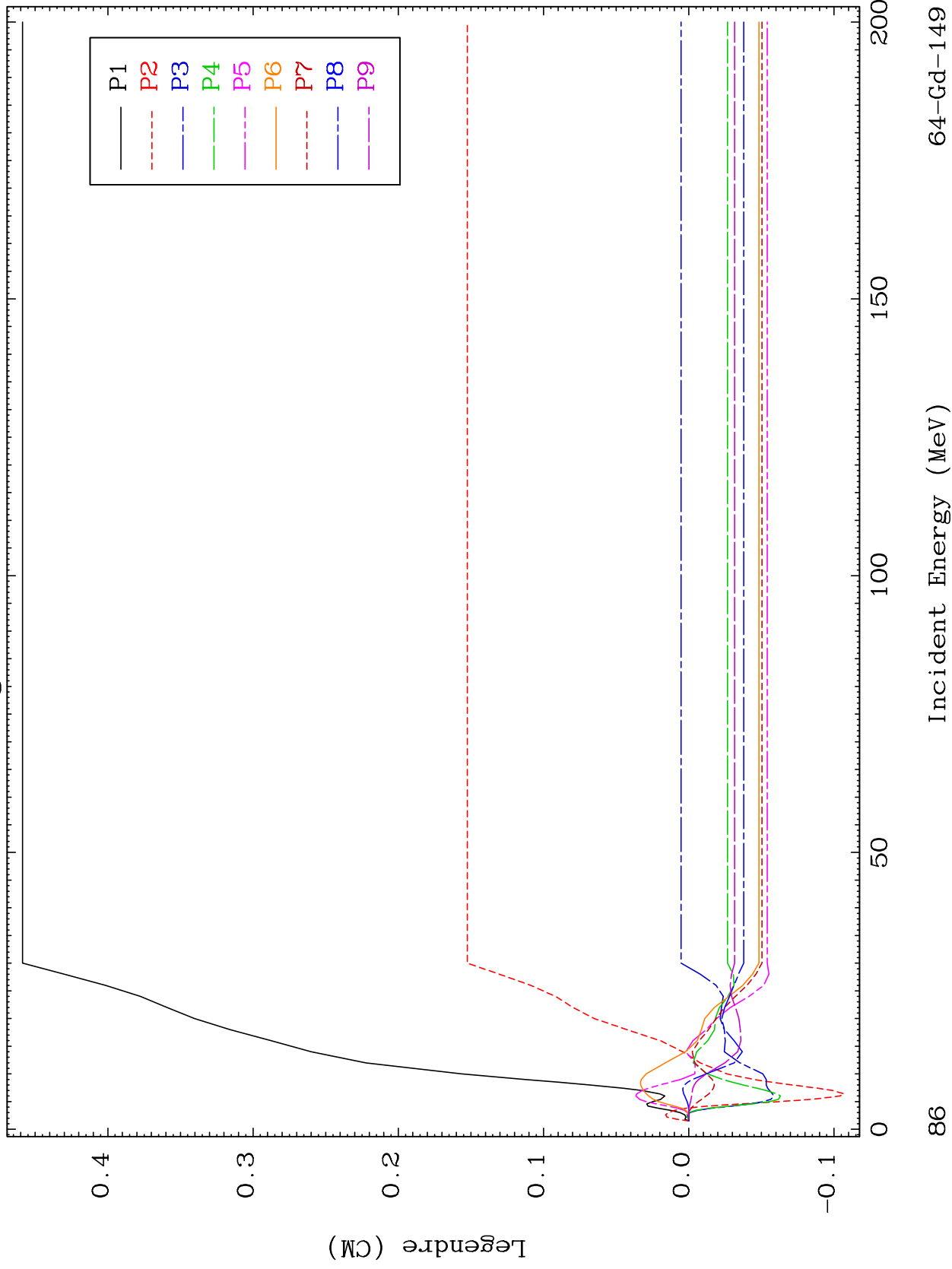
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 67 (n,n') Level
Legendre Coefficients

64-Gd-149

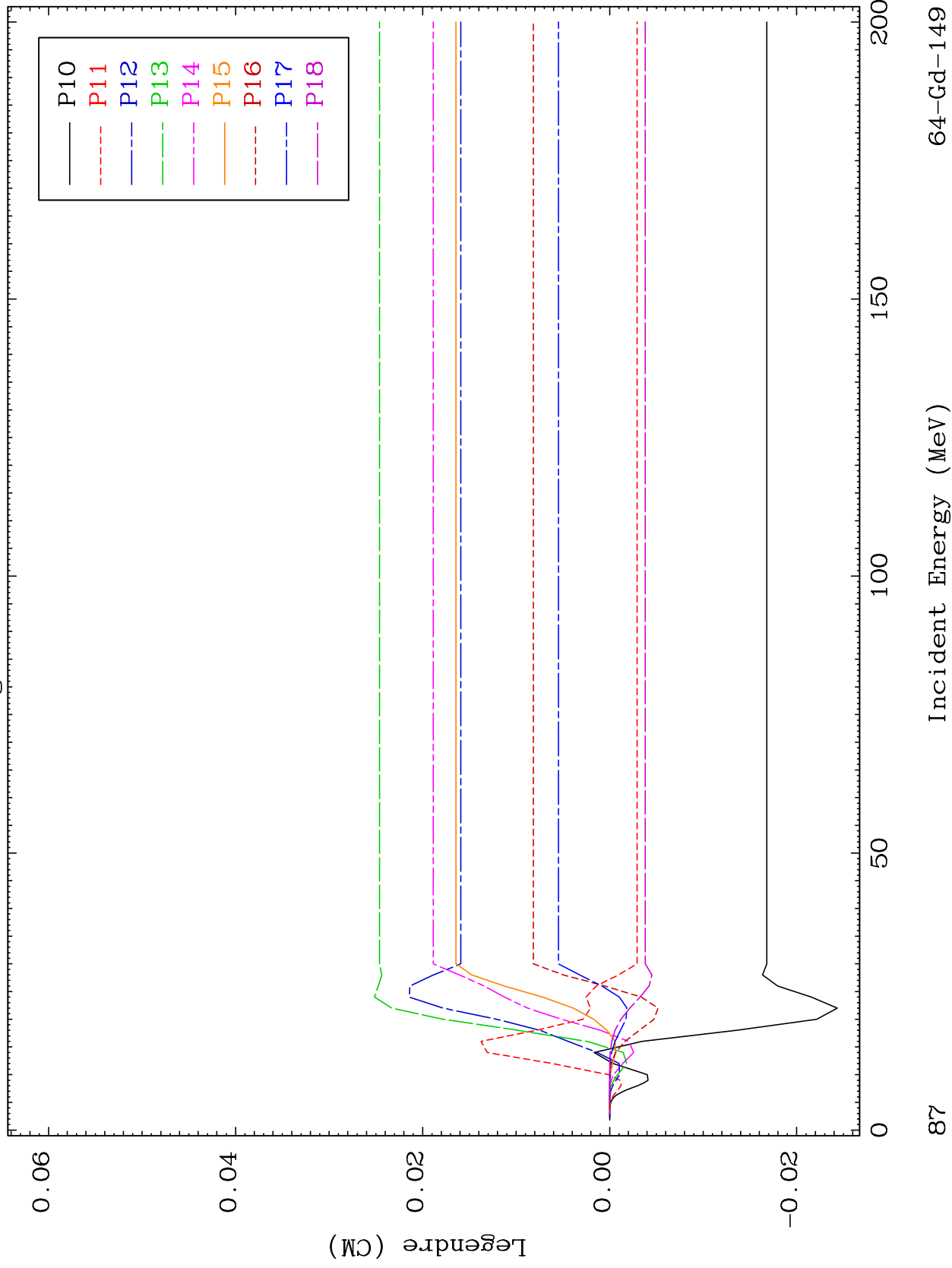


64-Gd-149

MAT 6416

MT= 67 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

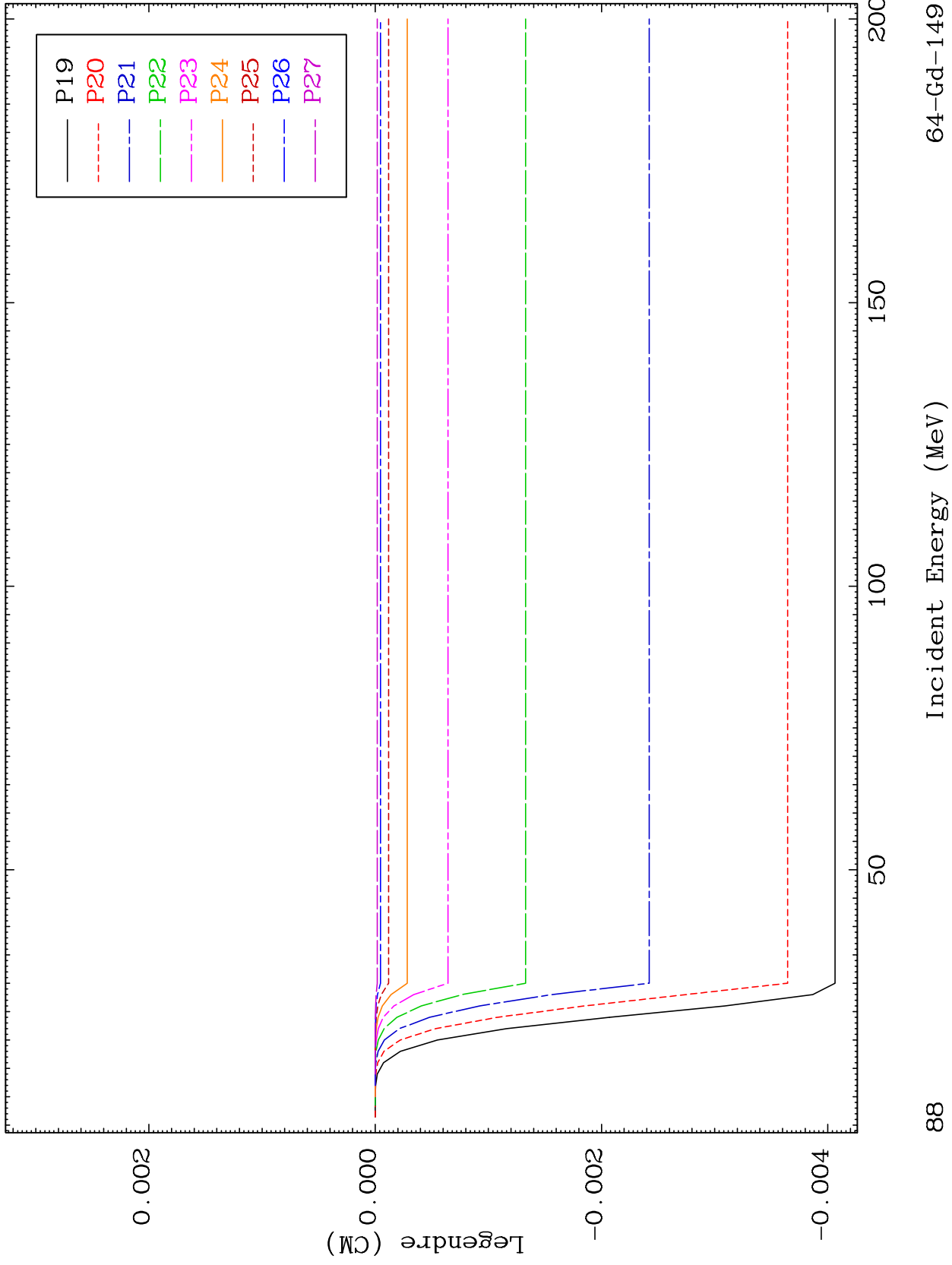
Incident Energy (MeV)

87

MAT 6416

MT= 67 (n,n') Level
Legendre Coefficients

64-Gd-149



88

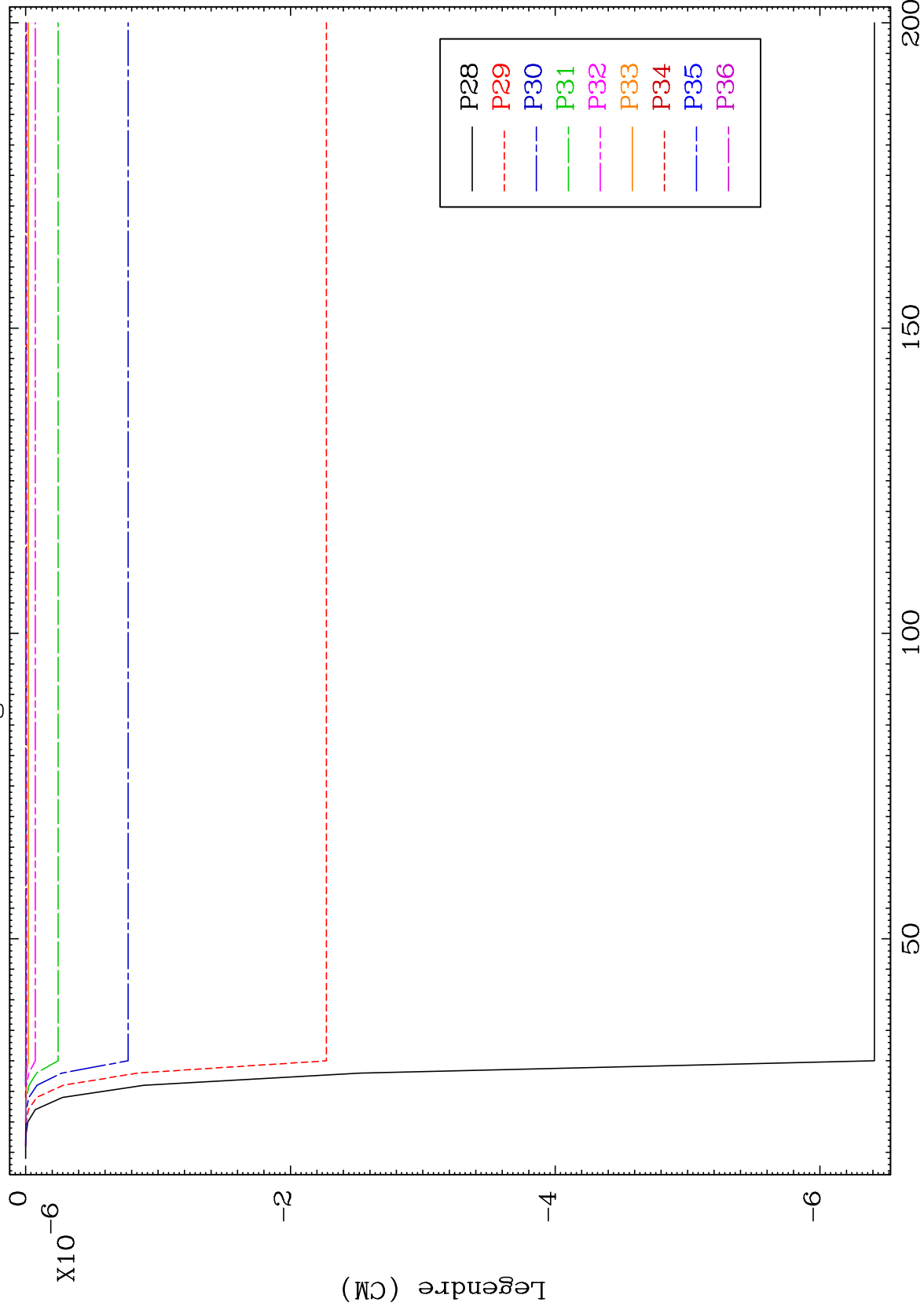
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 67 (n,n') Level
Legendre Coefficients

64-Gd-149



89

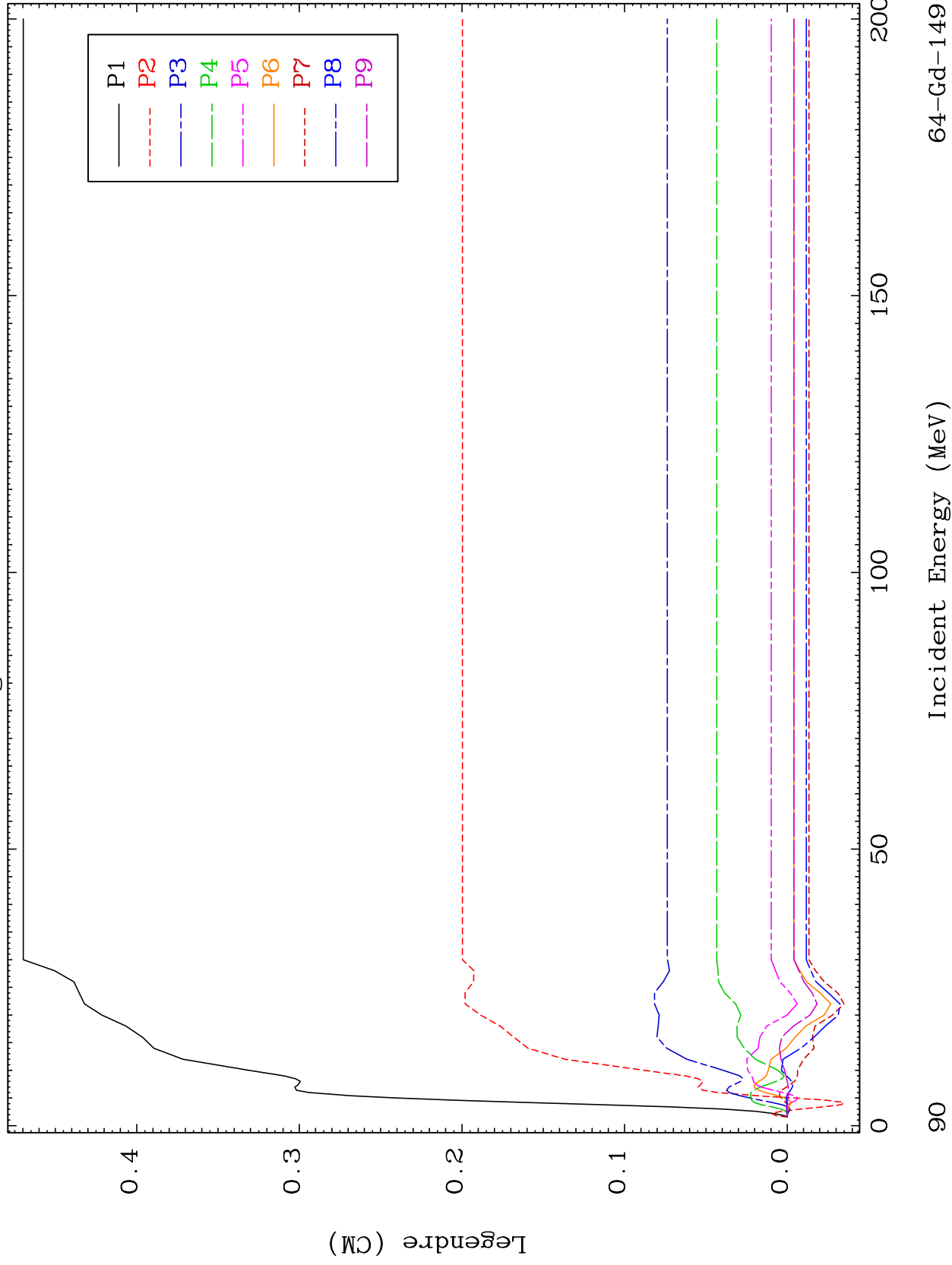
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 68 (n,n') Level
Legendre Coefficients

64-Gd-149

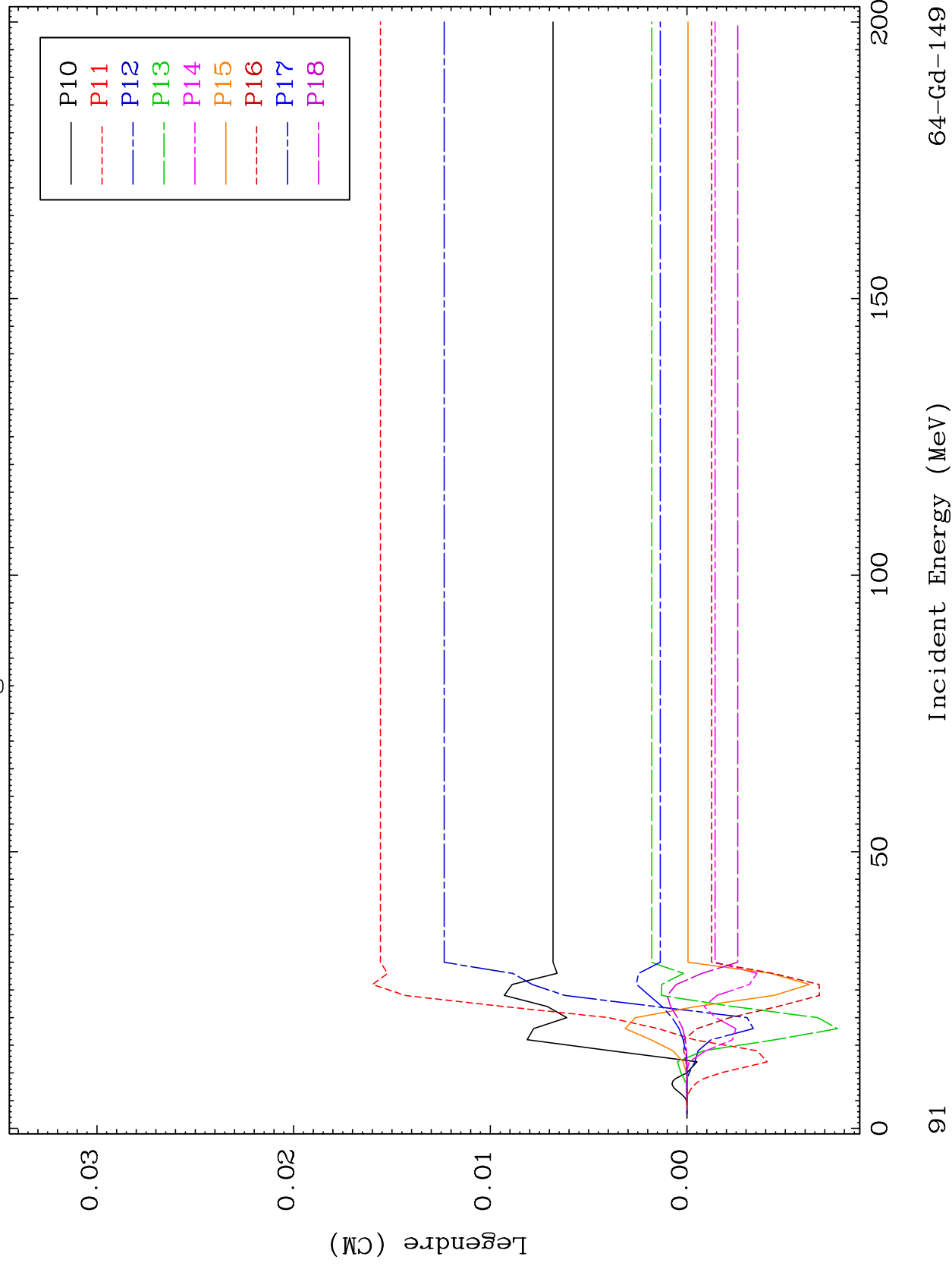


64-Gd-149

MAT 6416

MT= 68 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

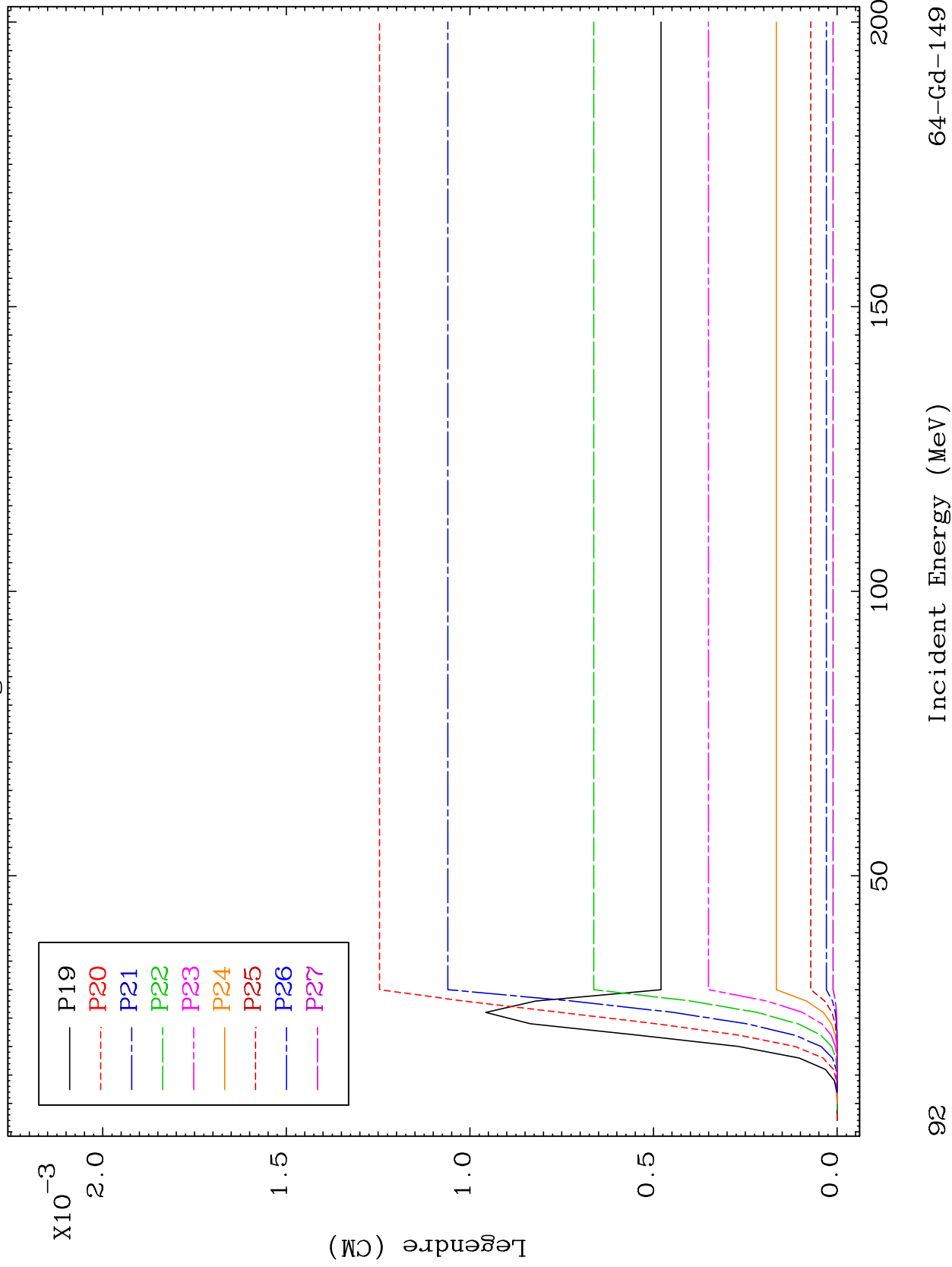
Incident Energy (MeV)

91

MAT 6416

MT= 68 (n,n') Level
Legendre Coefficients

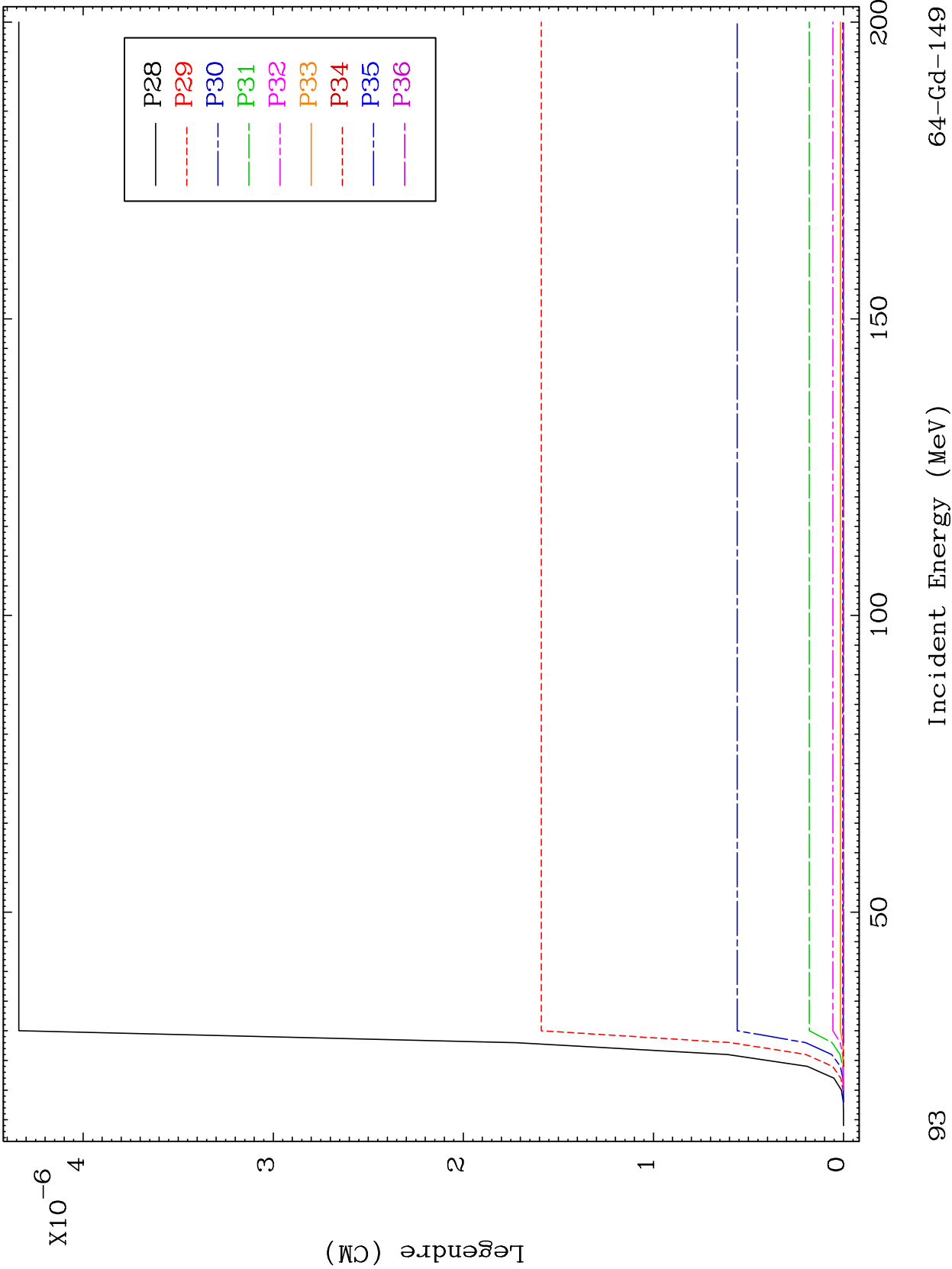
64-Gd-149



MAT 6416

MT= 68 (n,n') Level
Legendre Coefficients

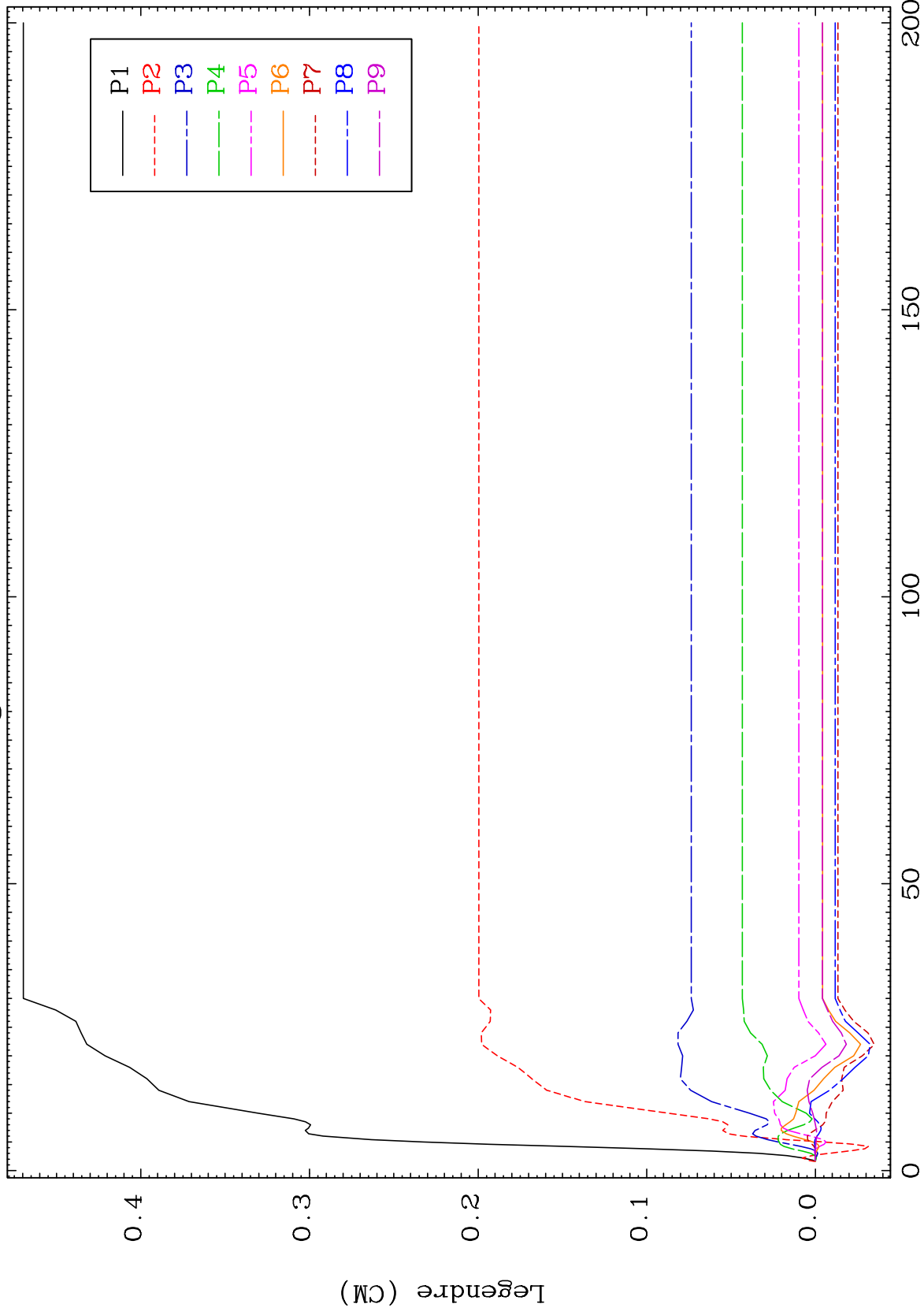
64-Gd-149



MAT 6416

MT= 69 (n,n') Level
Legendre Coefficients

64-Gd-149



94

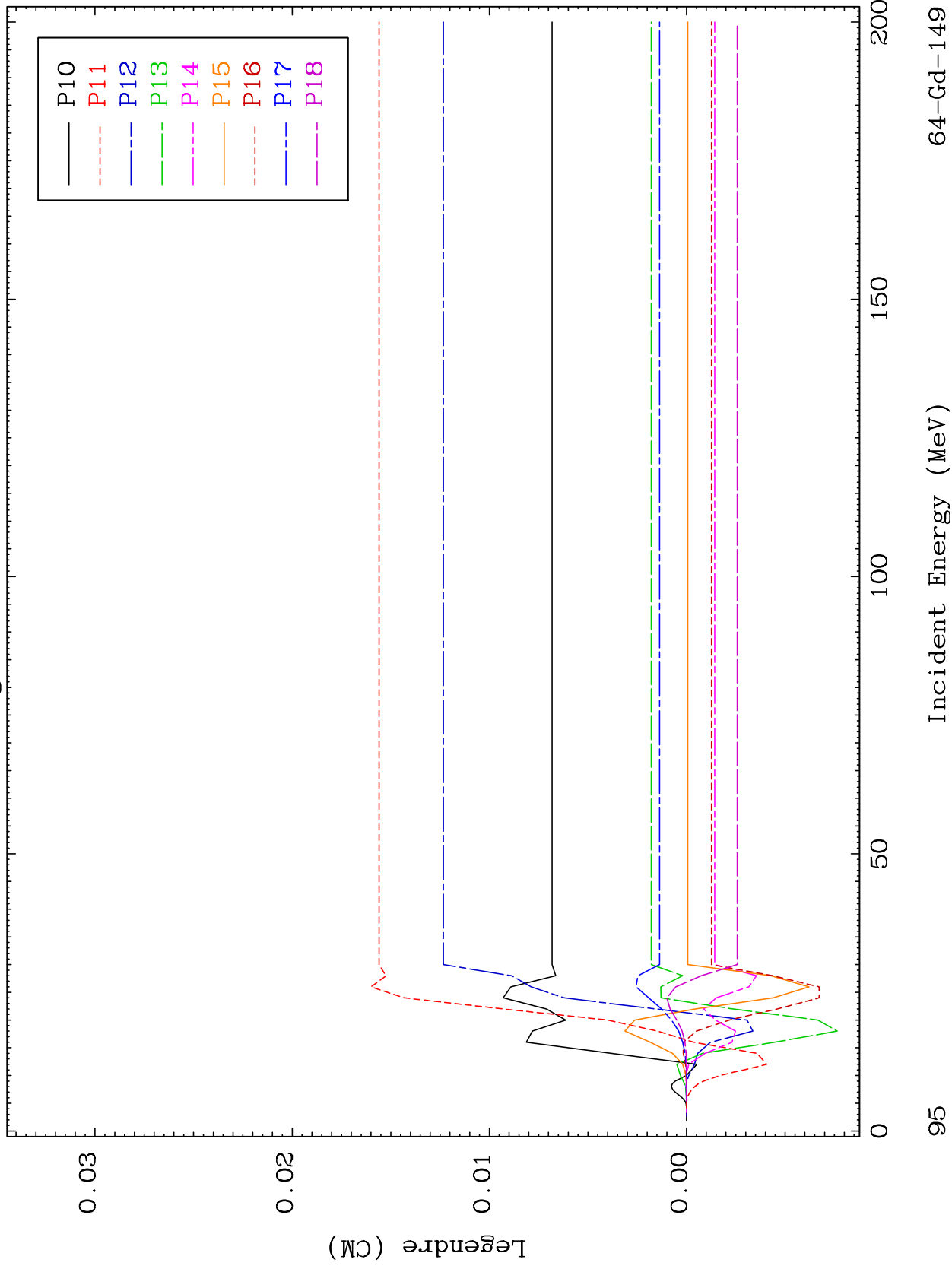
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 69 (n,n') Level
Legendre Coefficients

64-Gd-149

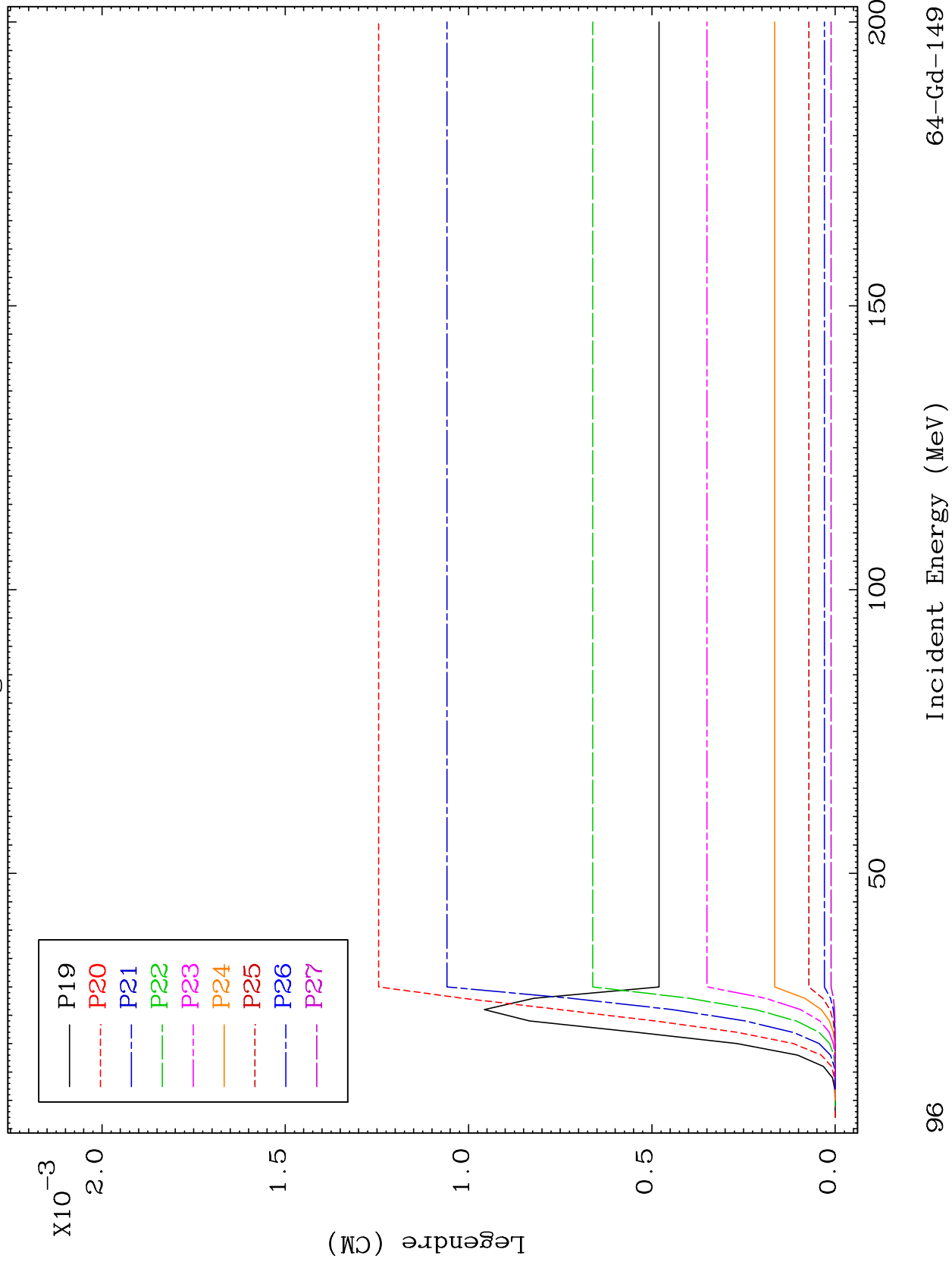


64-Gd-149

MAT 6416

MT= 69 (n,n') Level
Legendre Coefficients

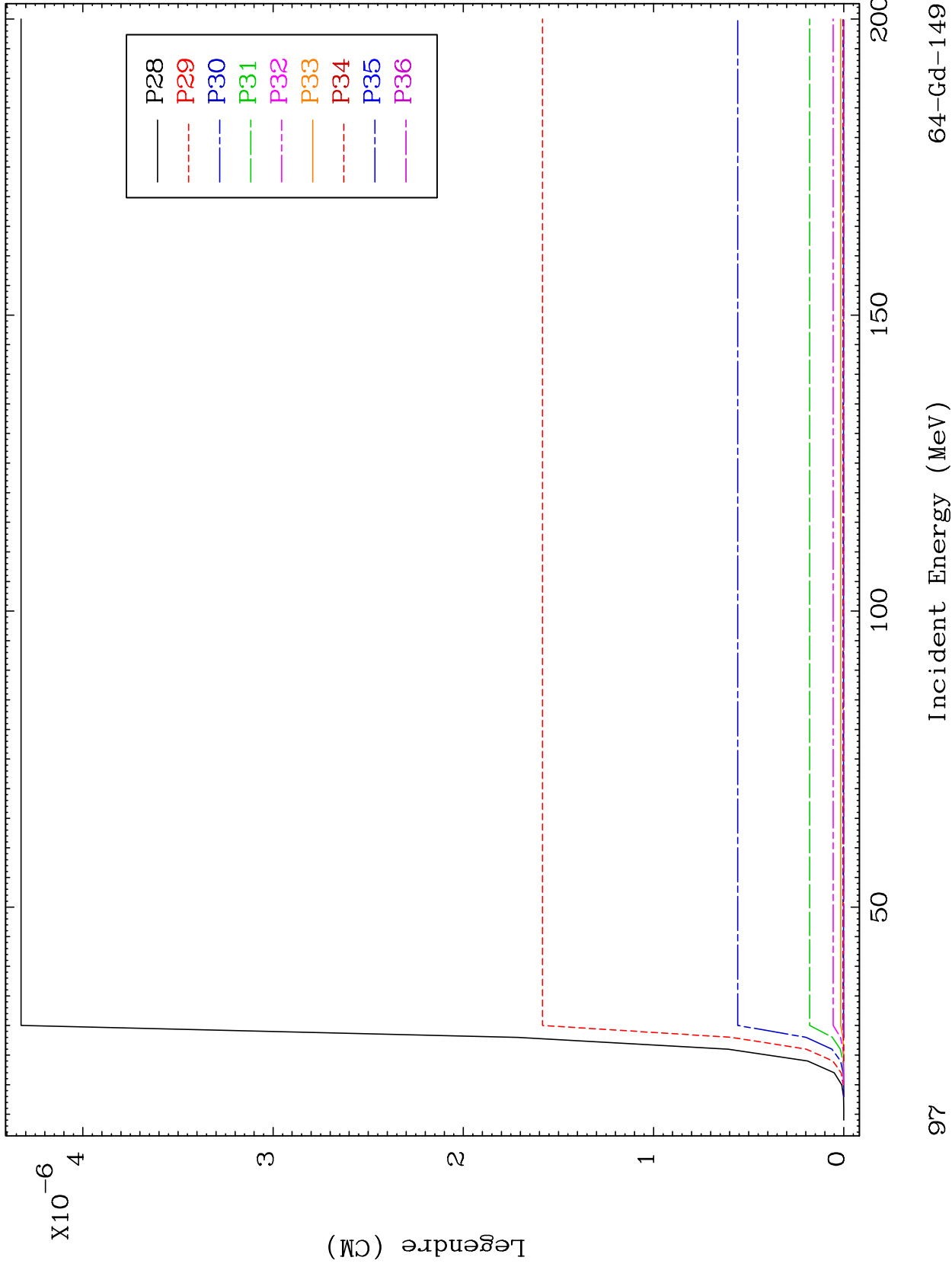
64-Gd-149



MAT 6416

MT= 69 (n,n') Level
Legendre Coefficients

64-Gd-149



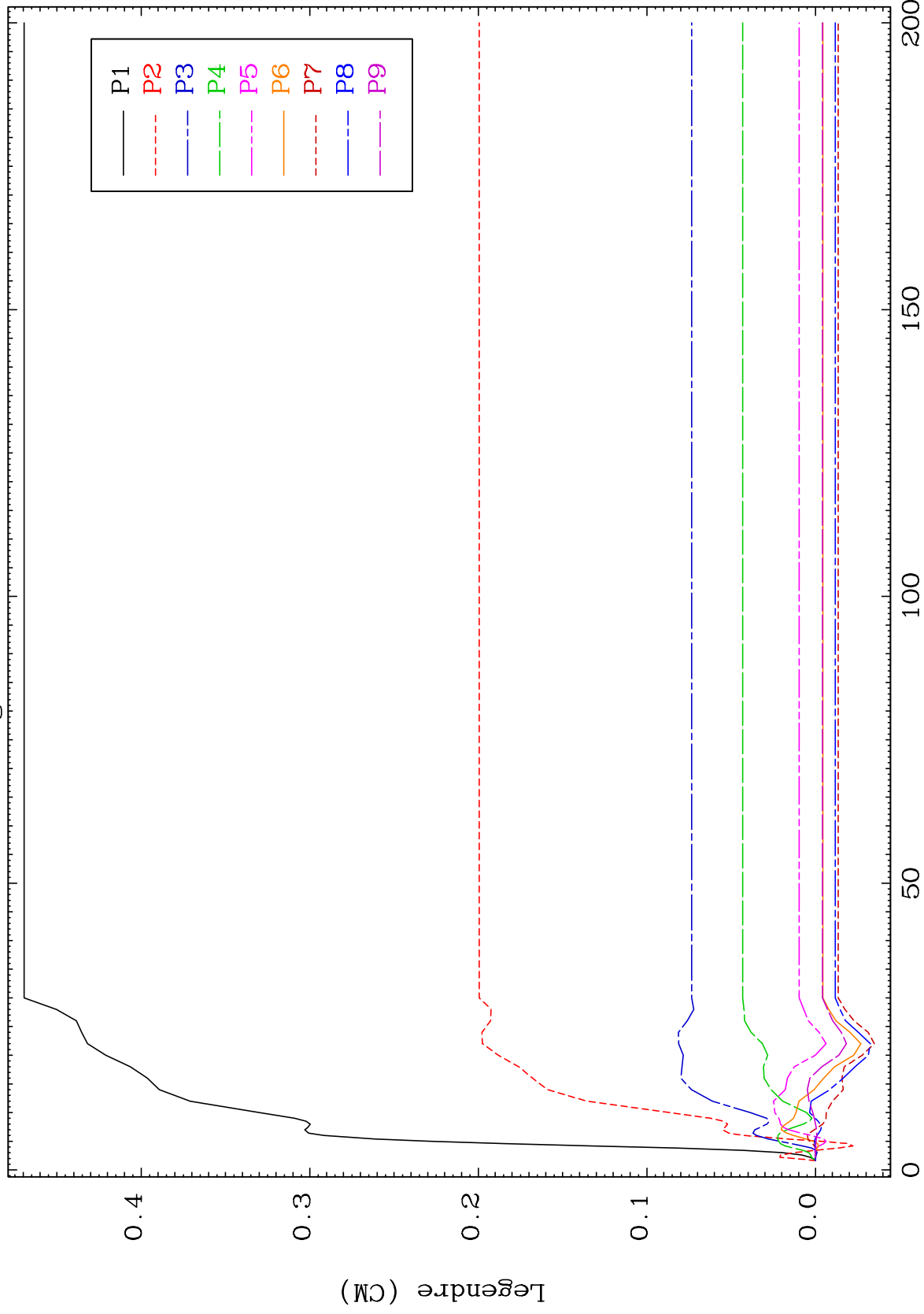
97

64-Gd-149

MAT 6416

MT= 70 (n,n') Level
Legendre Coefficients

64-Gd-149



98

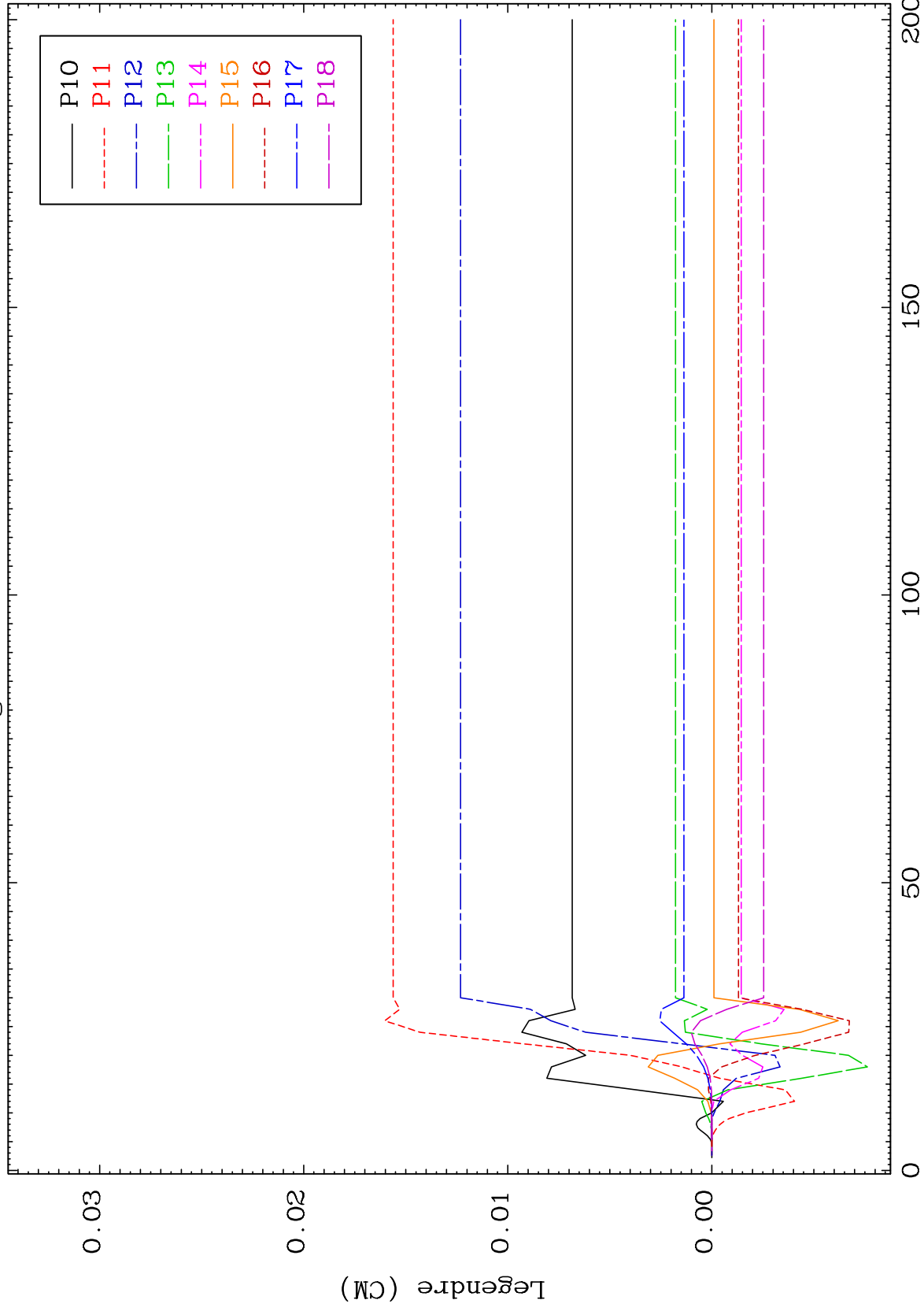
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 70 (n,n') Level
Legendre Coefficients

64-Gd-149



99

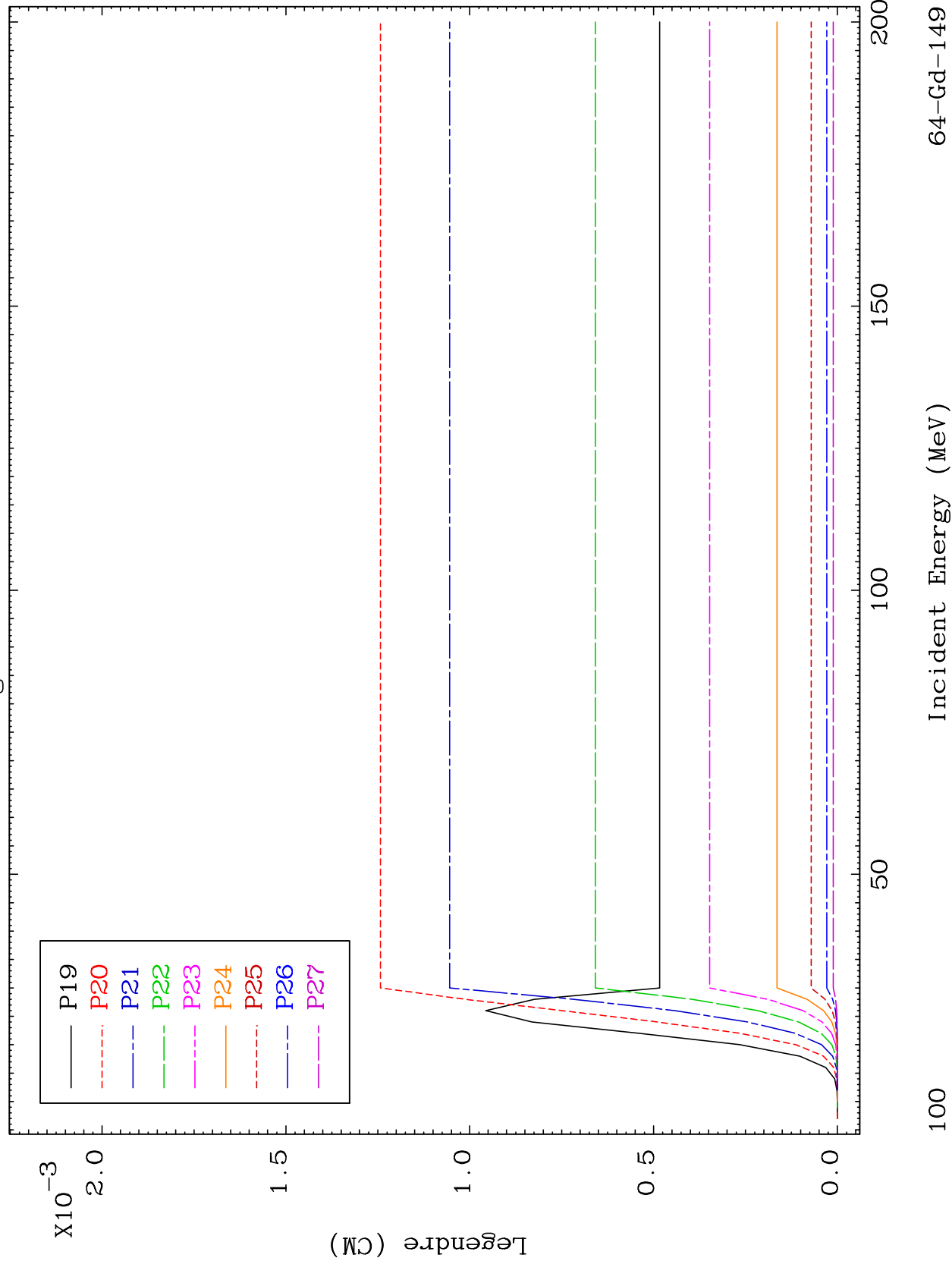
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 70 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

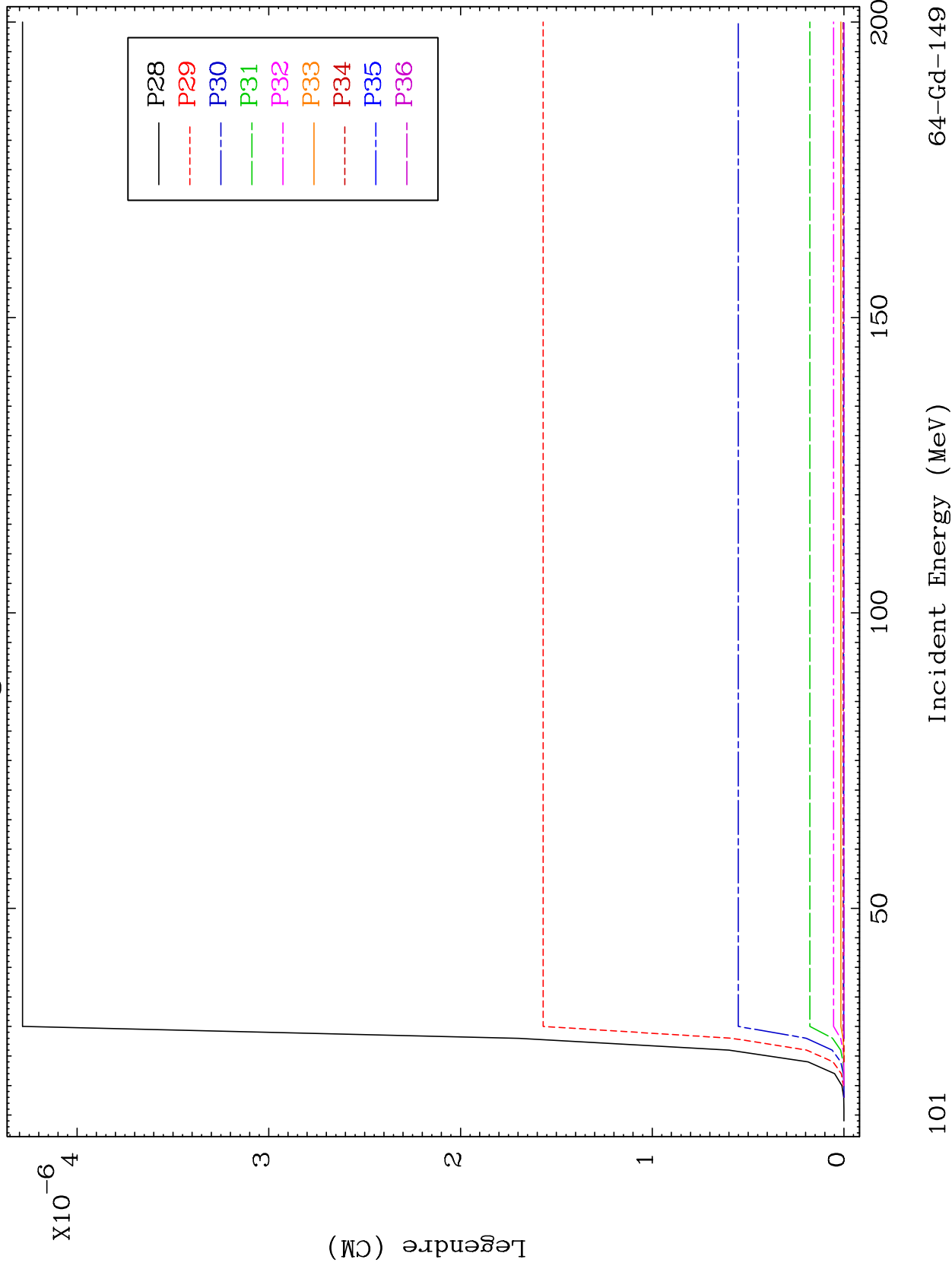
Incident Energy (MeV)

100

MAT 6416

MT= 70 (n,n') Level
Legendre Coefficients

64-Gd-149



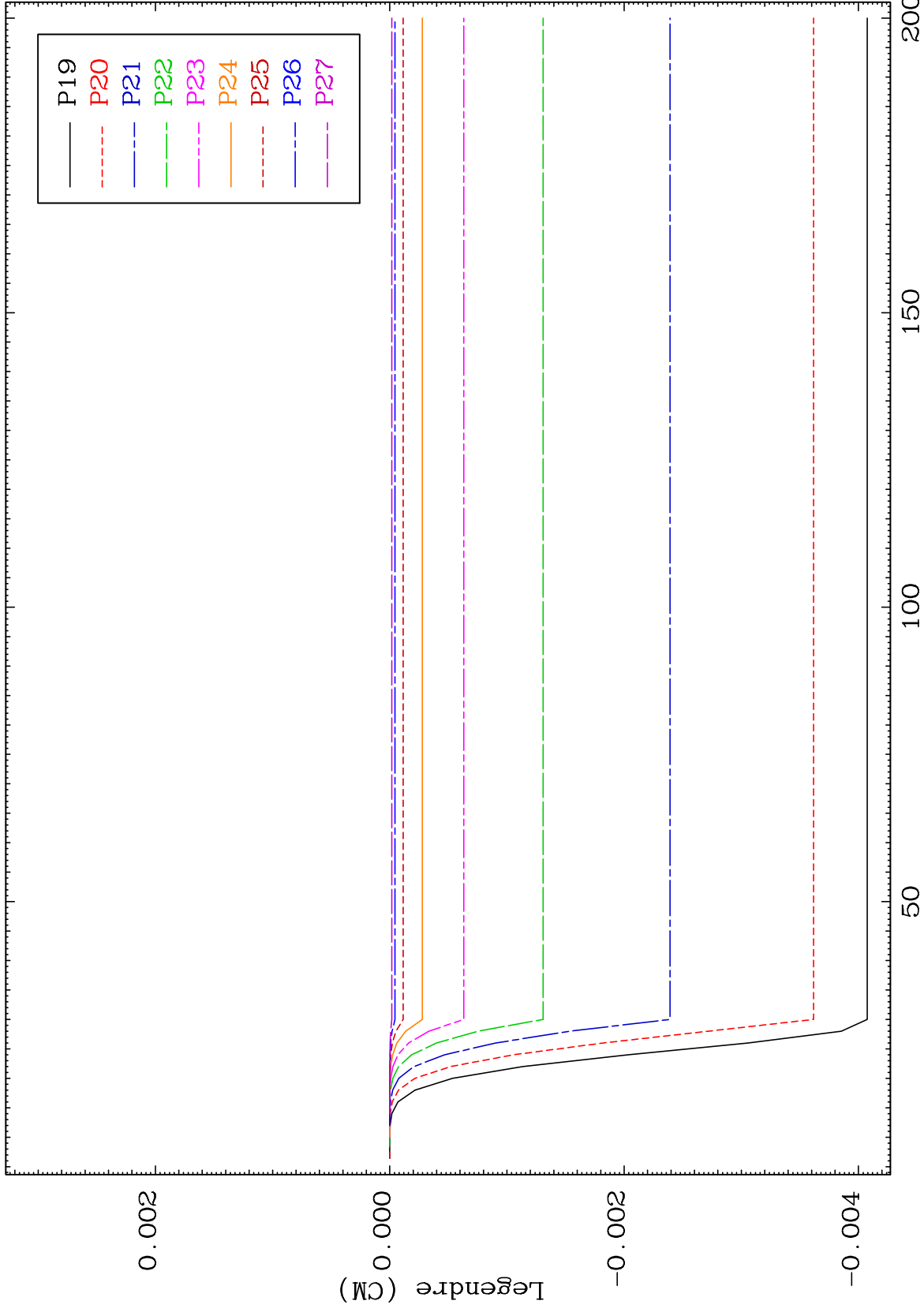
101

64-Gd-149

MAT 6416

MT= 71 (n,n') Level
Legendre Coefficients

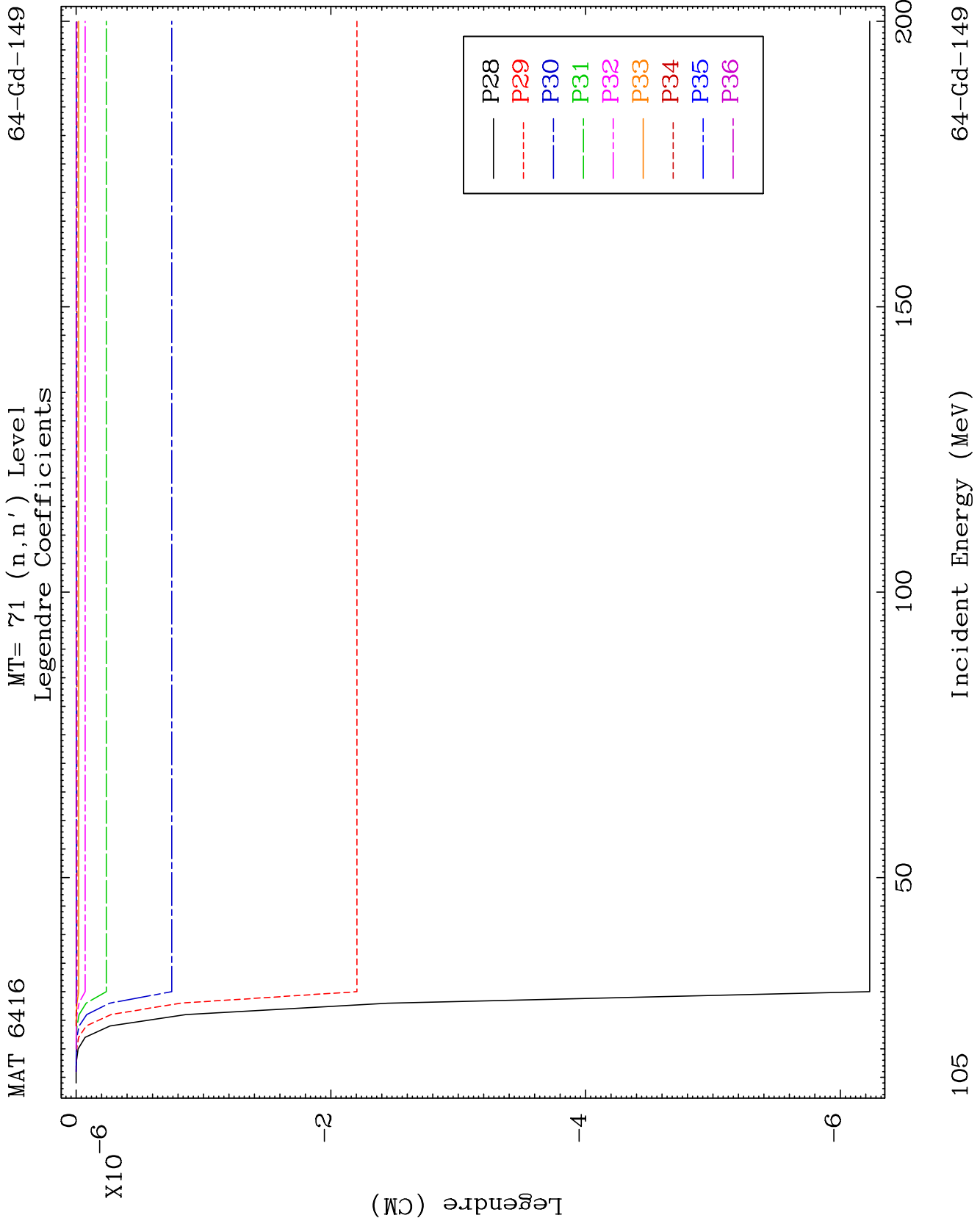
64-Gd-149



104

Incident Energy (MeV)

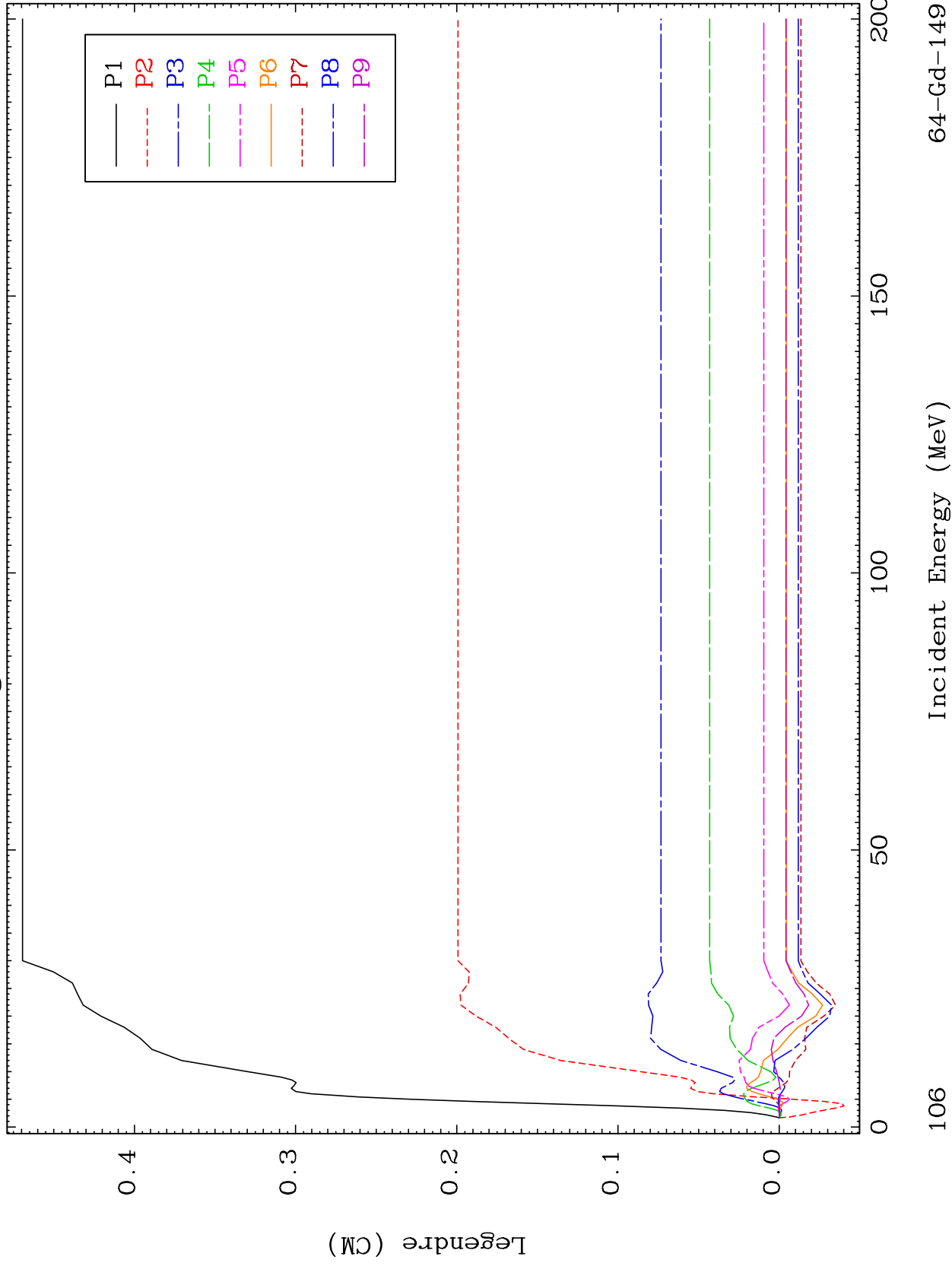
64-Gd-149



MAT 6416

MT= 72 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

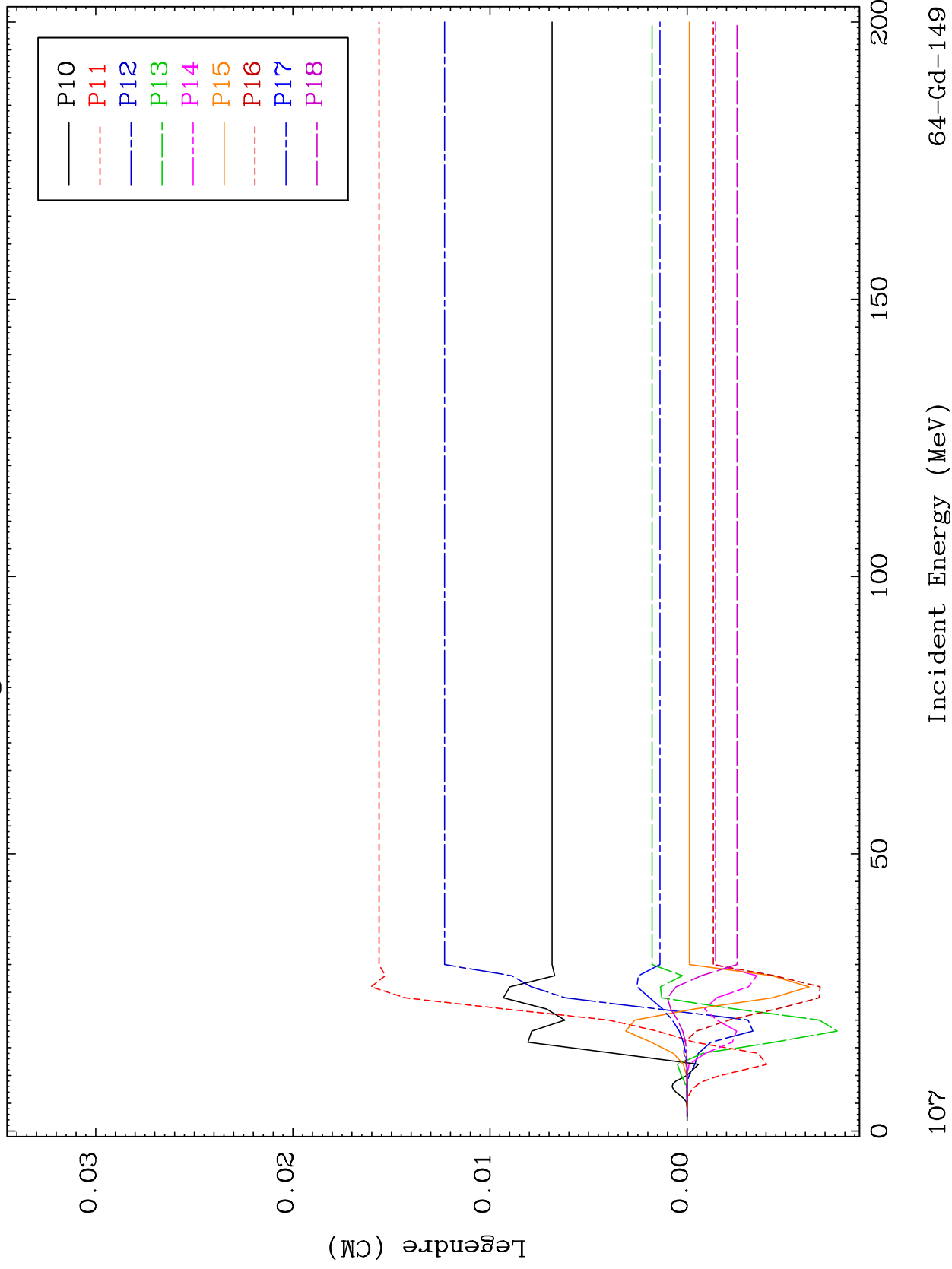
Incident Energy (MeV)

106

MAT 6416

MT= 72 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

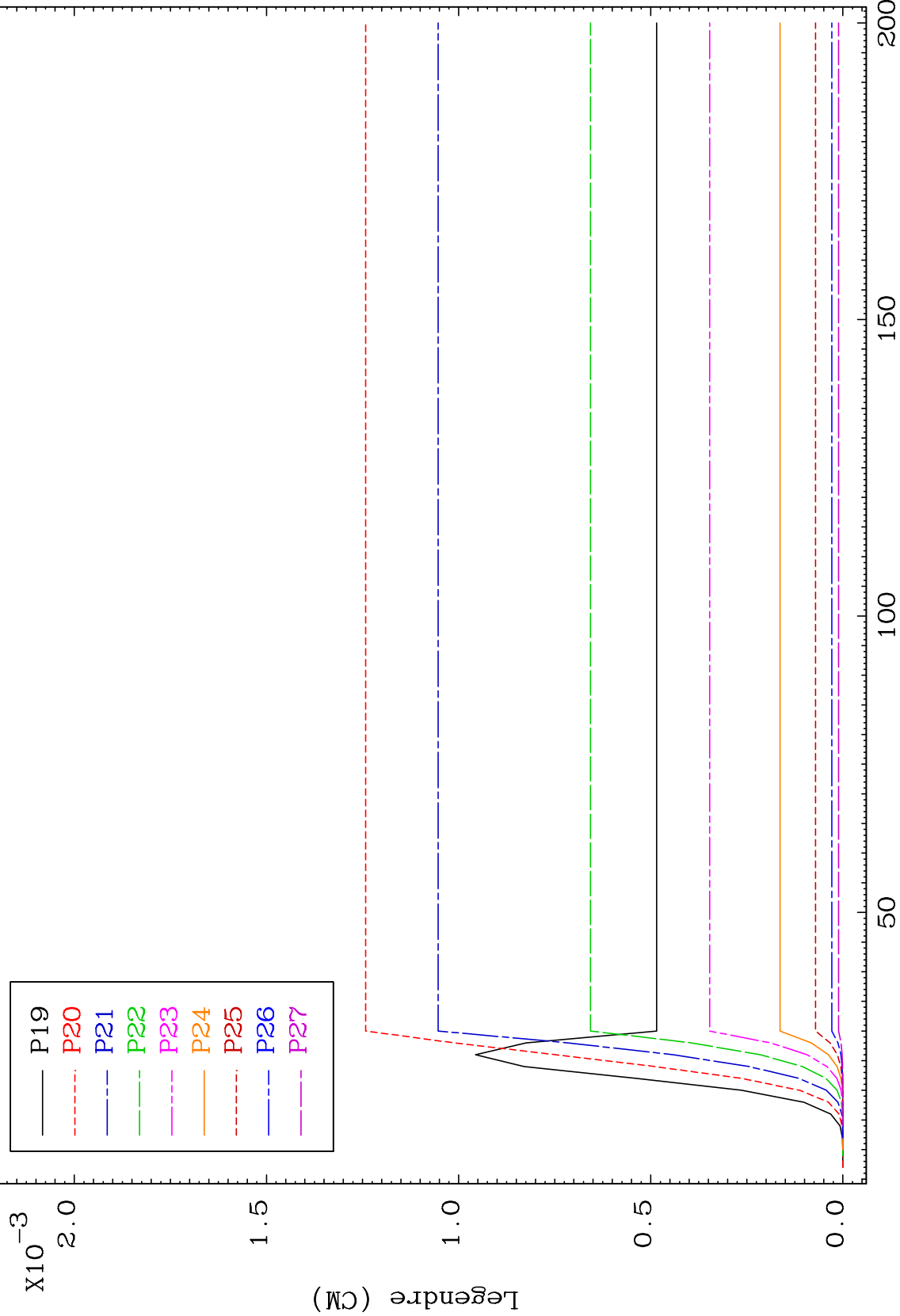
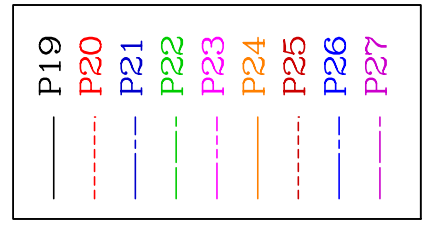
Incident Energy (MeV)

107

MAT 6416

MT= 72 (n,n') Level
Legendre Coefficients

64-Gd-149



108

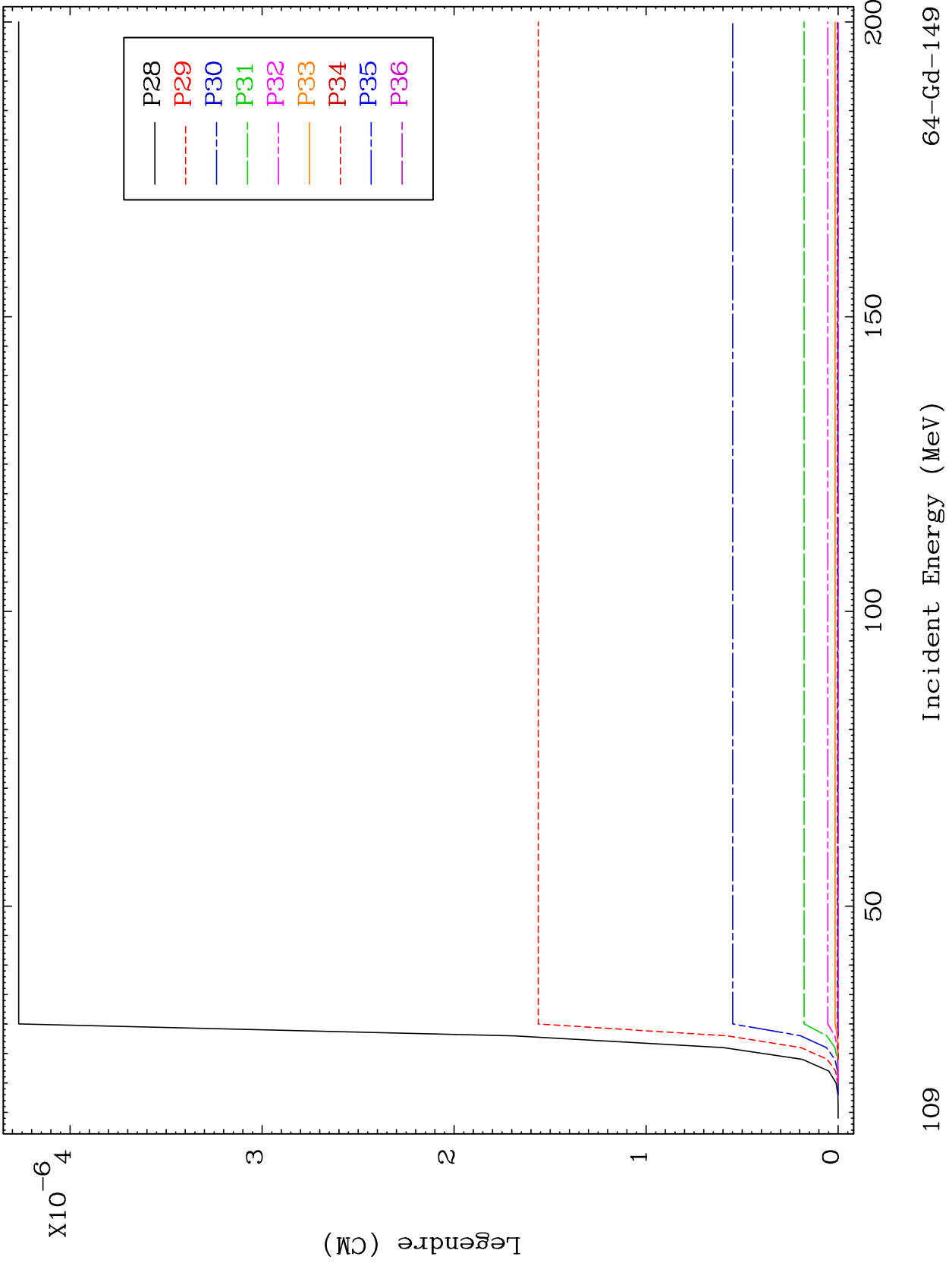
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 72 (n,n') Level
Legendre Coefficients

64-Gd-149



109

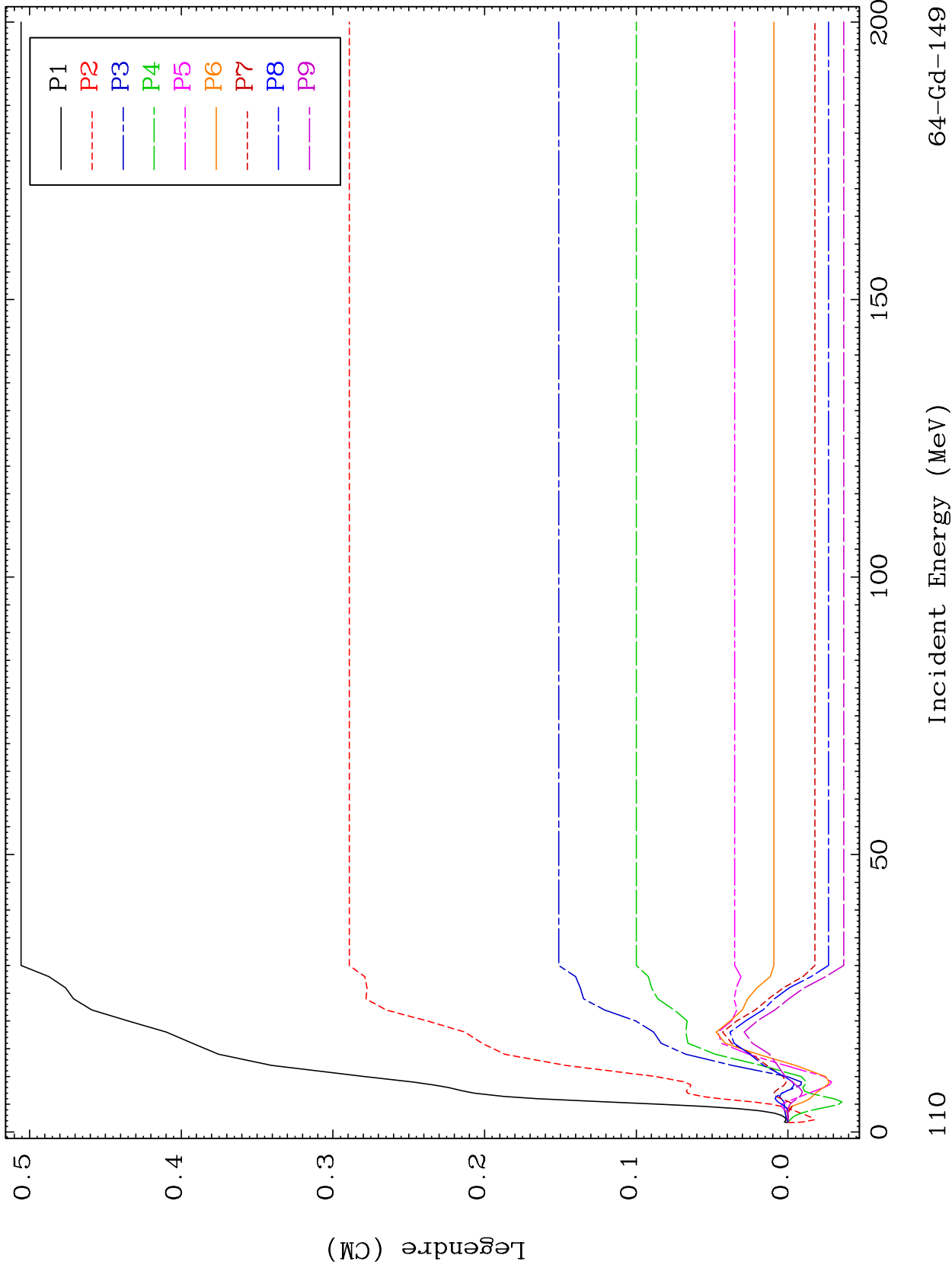
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 73 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

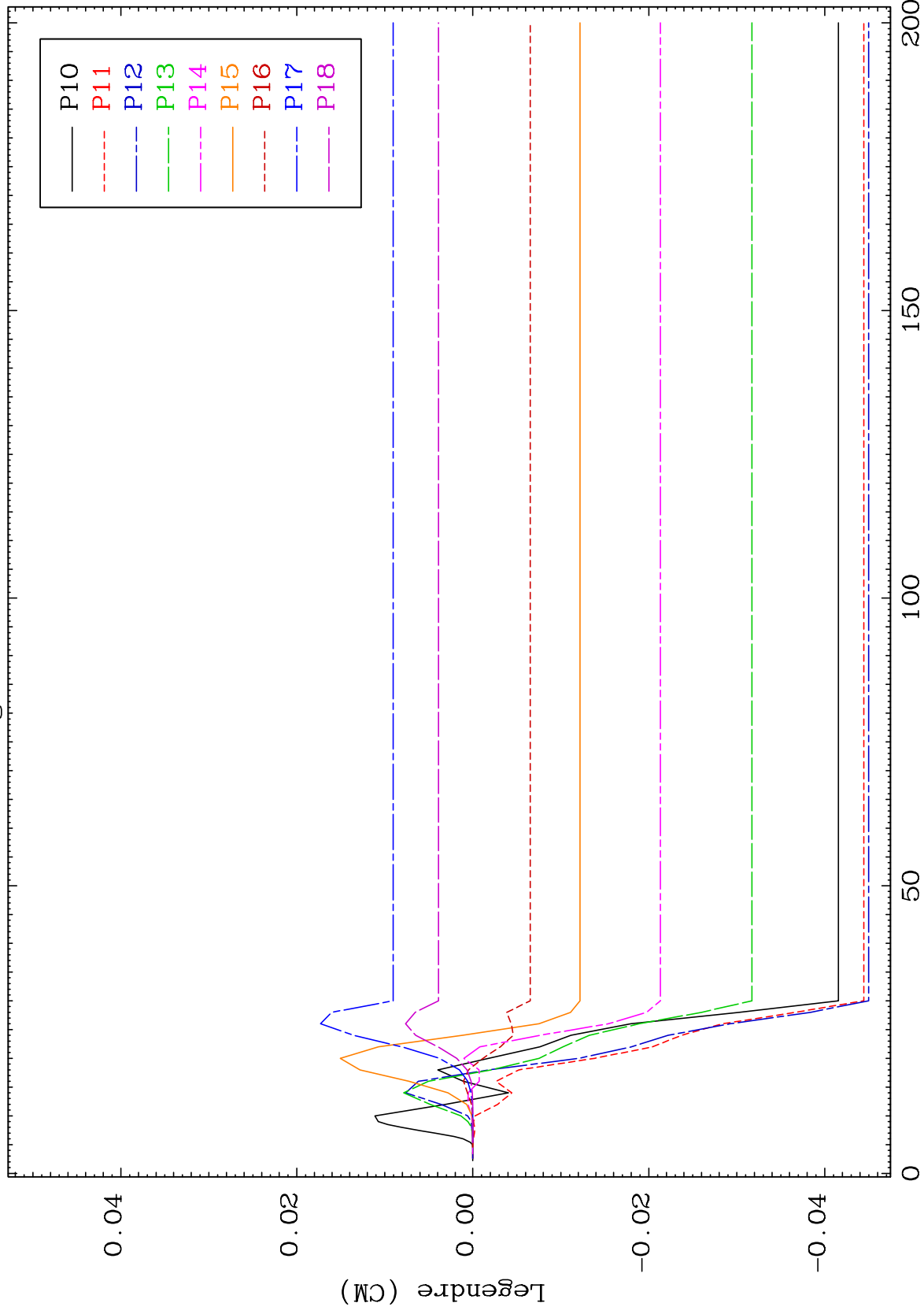
Incident Energy (MeV)

110

MAT 6416

MT= 73 (n,n') Level
Legendre Coefficients

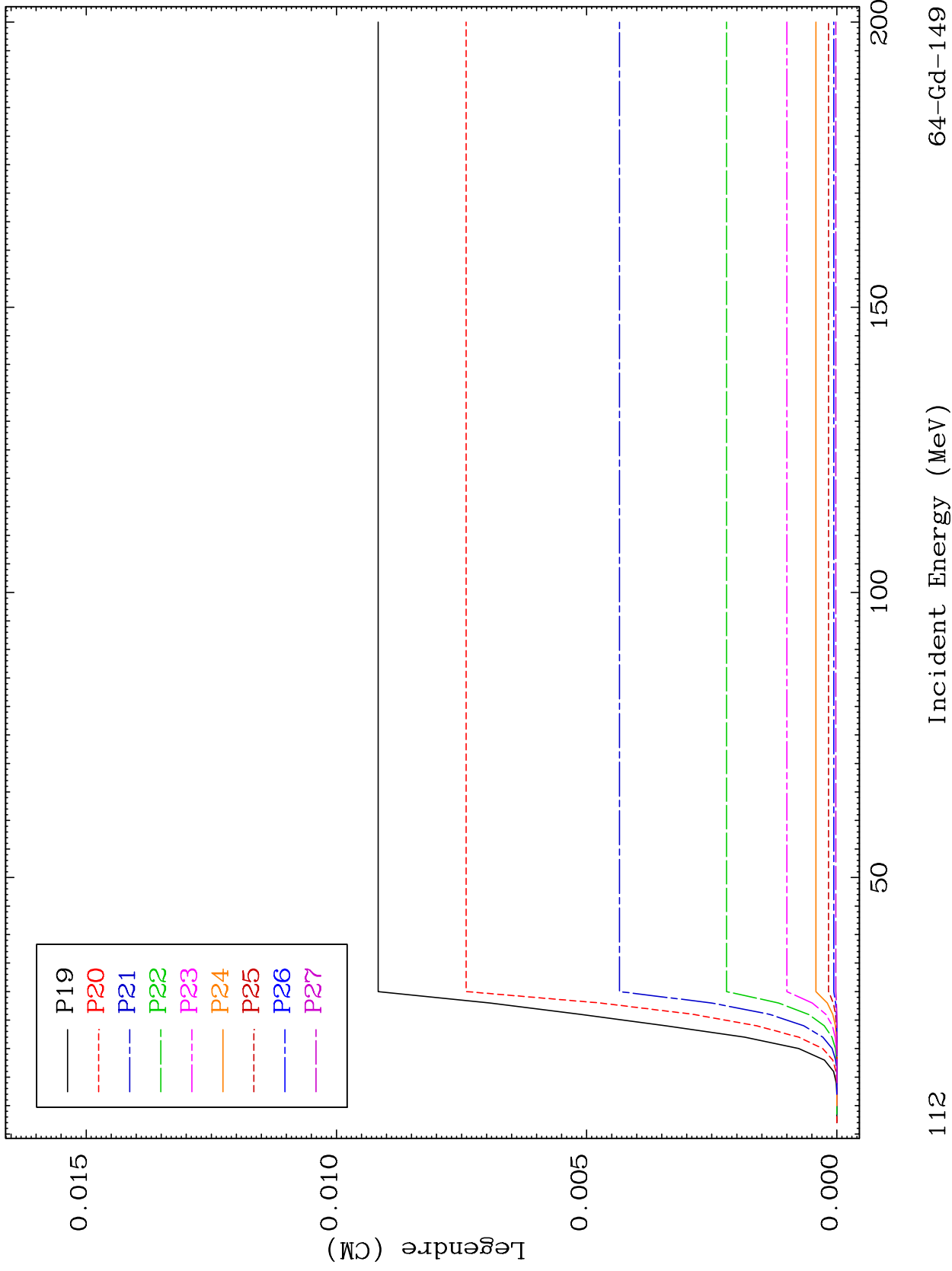
64-Gd-149



111

Incident Energy (MeV)

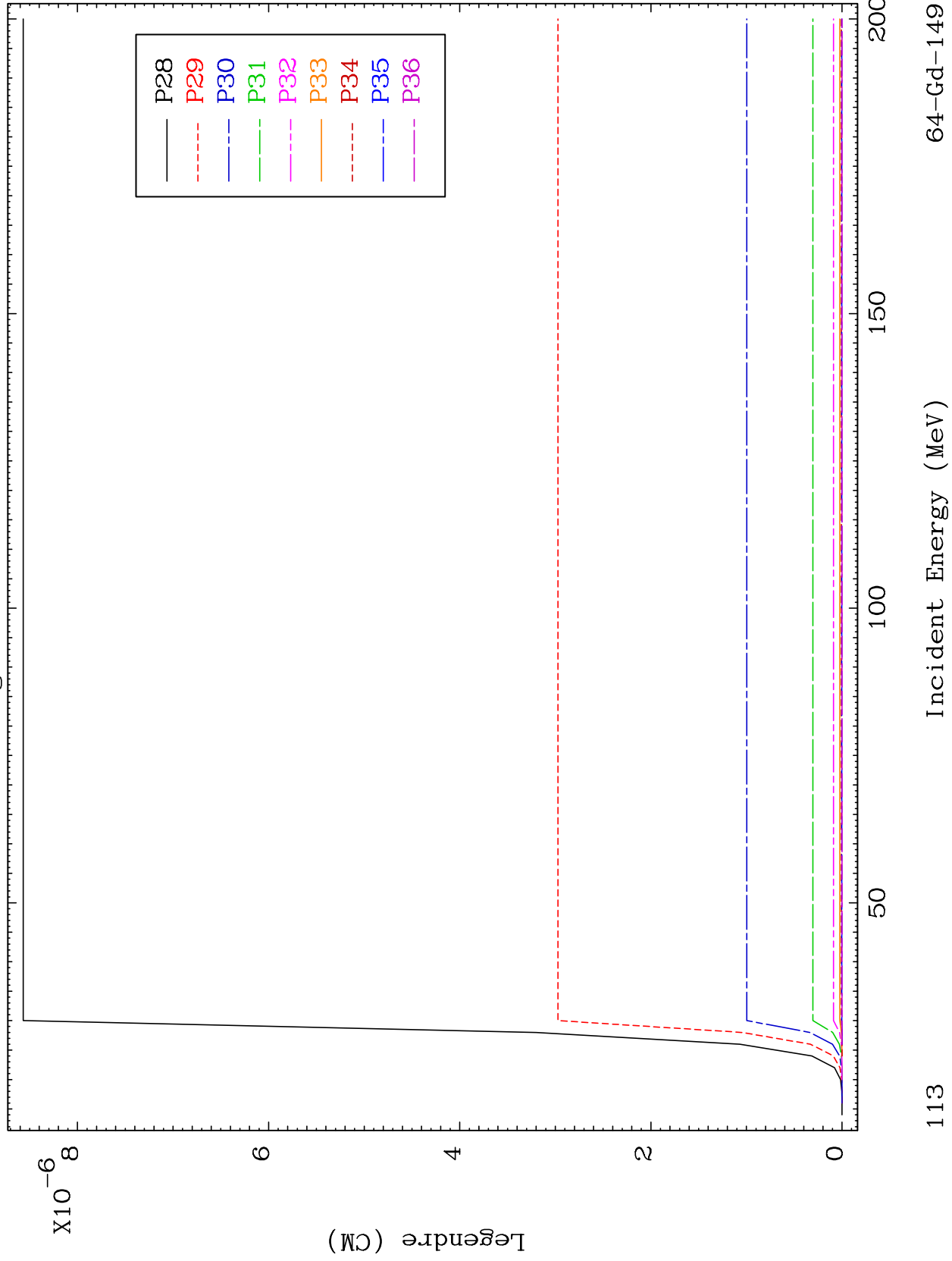
64-Gd-149



MAT 6416

MT= 73 (n,n') Level
Legendre Coefficients

64-Gd-149



113

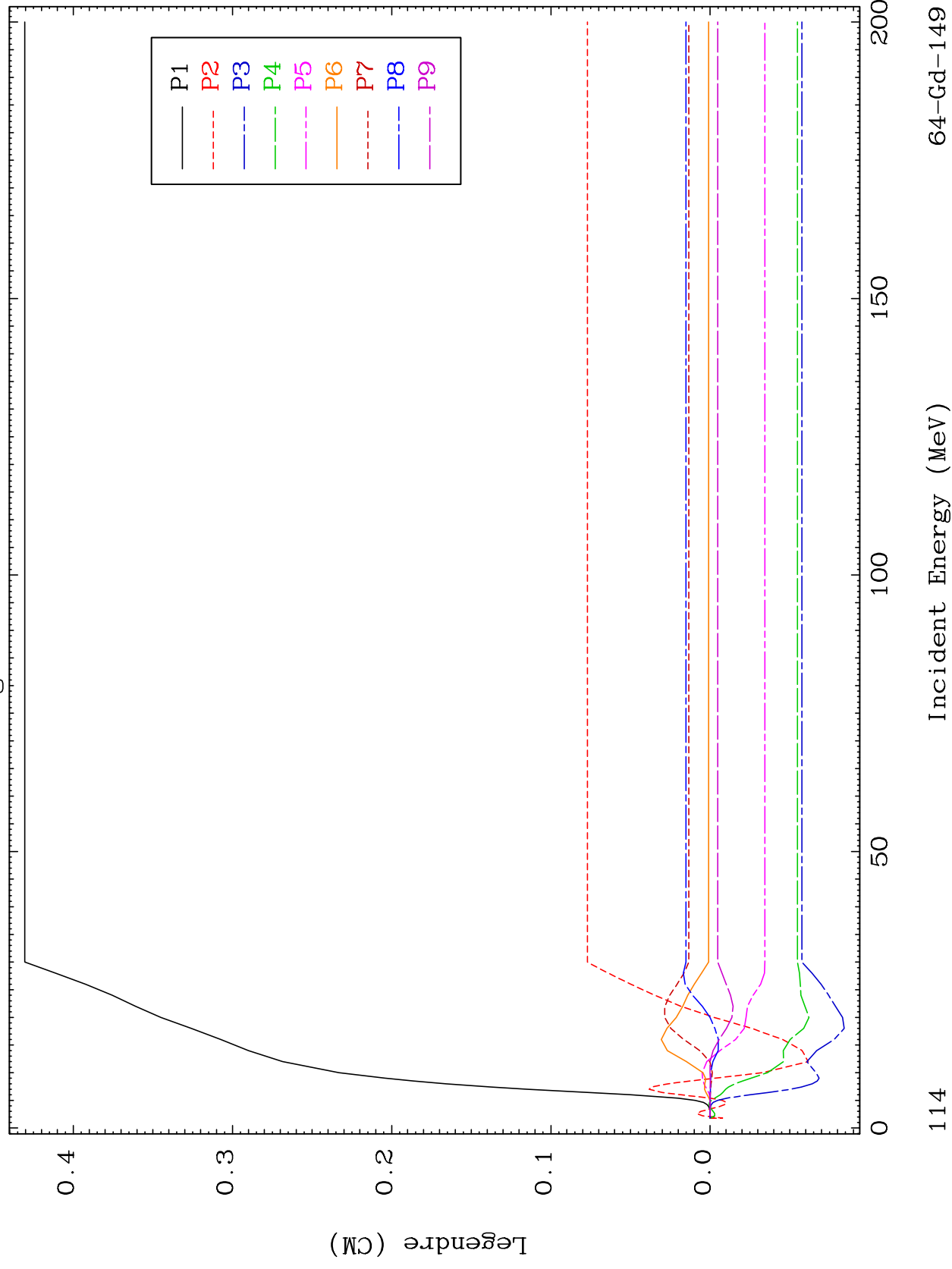
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 74 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

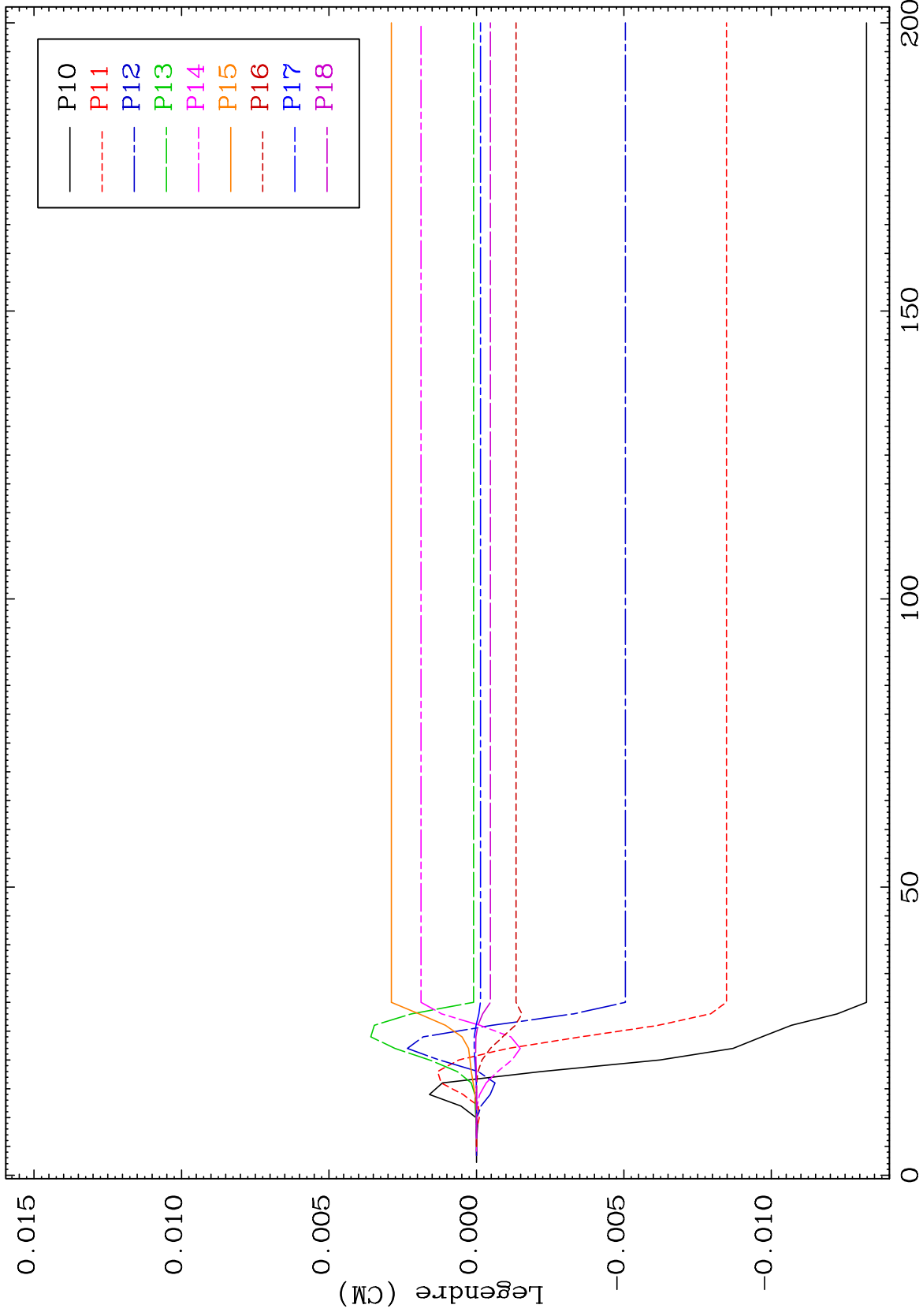
Incident Energy (MeV)

114

MAT 6416

MT= 74 (n,n') Level
Legendre Coefficients

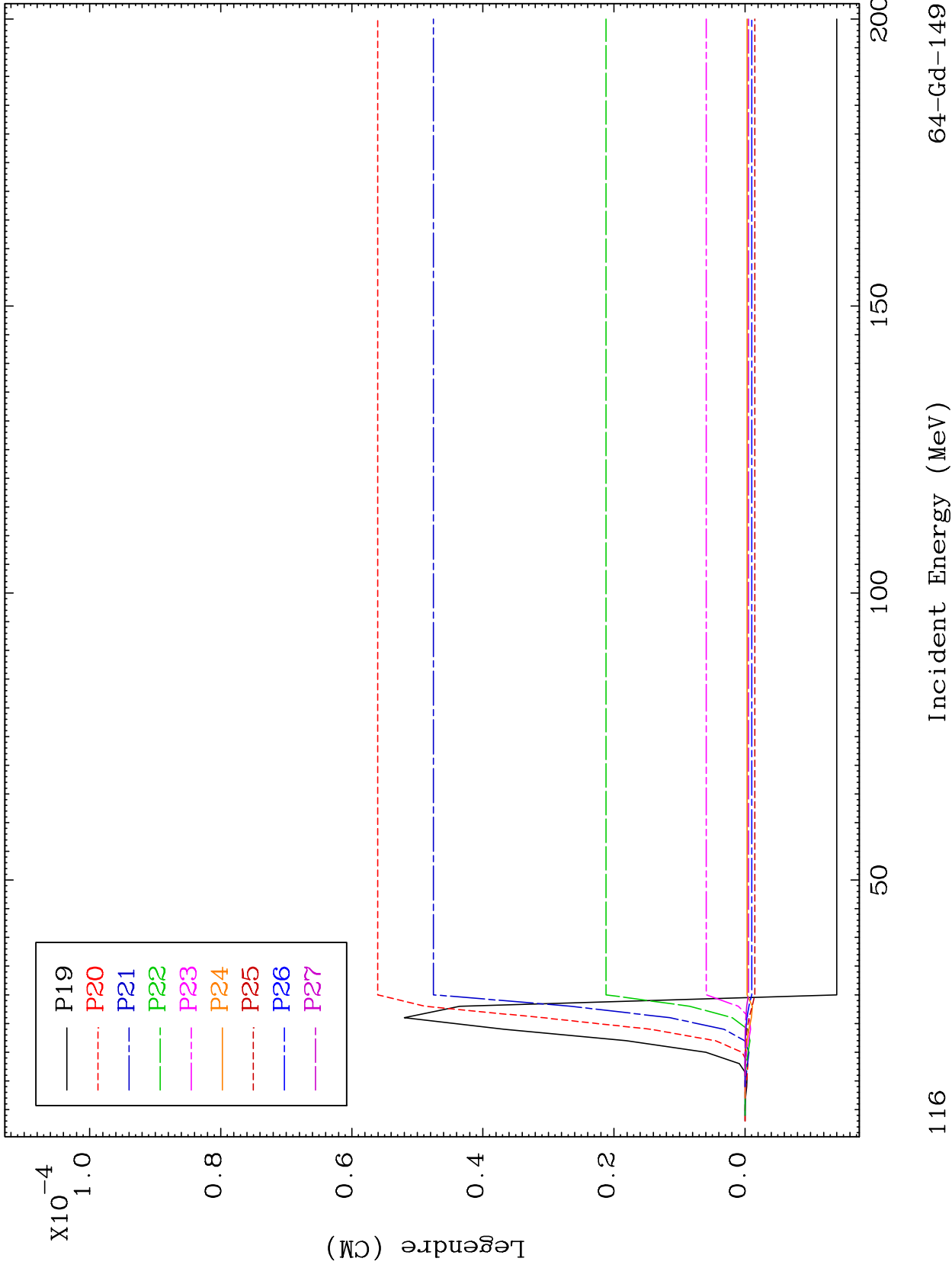
64-Gd-149



115

Incident Energy (MeV)

64-Gd-149

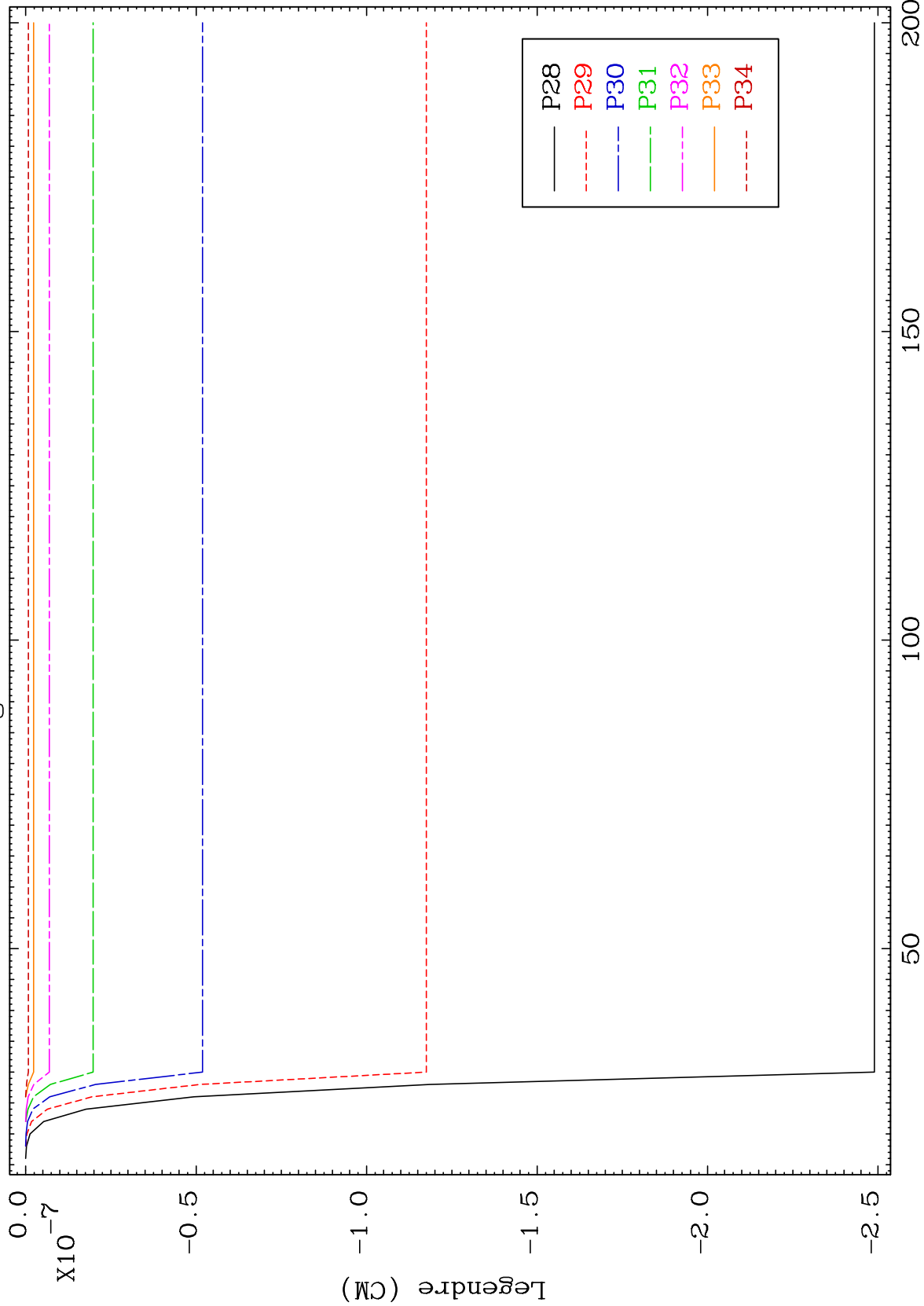


MAT 6416

MT= 74 (n,n') Level

64-Gd-149

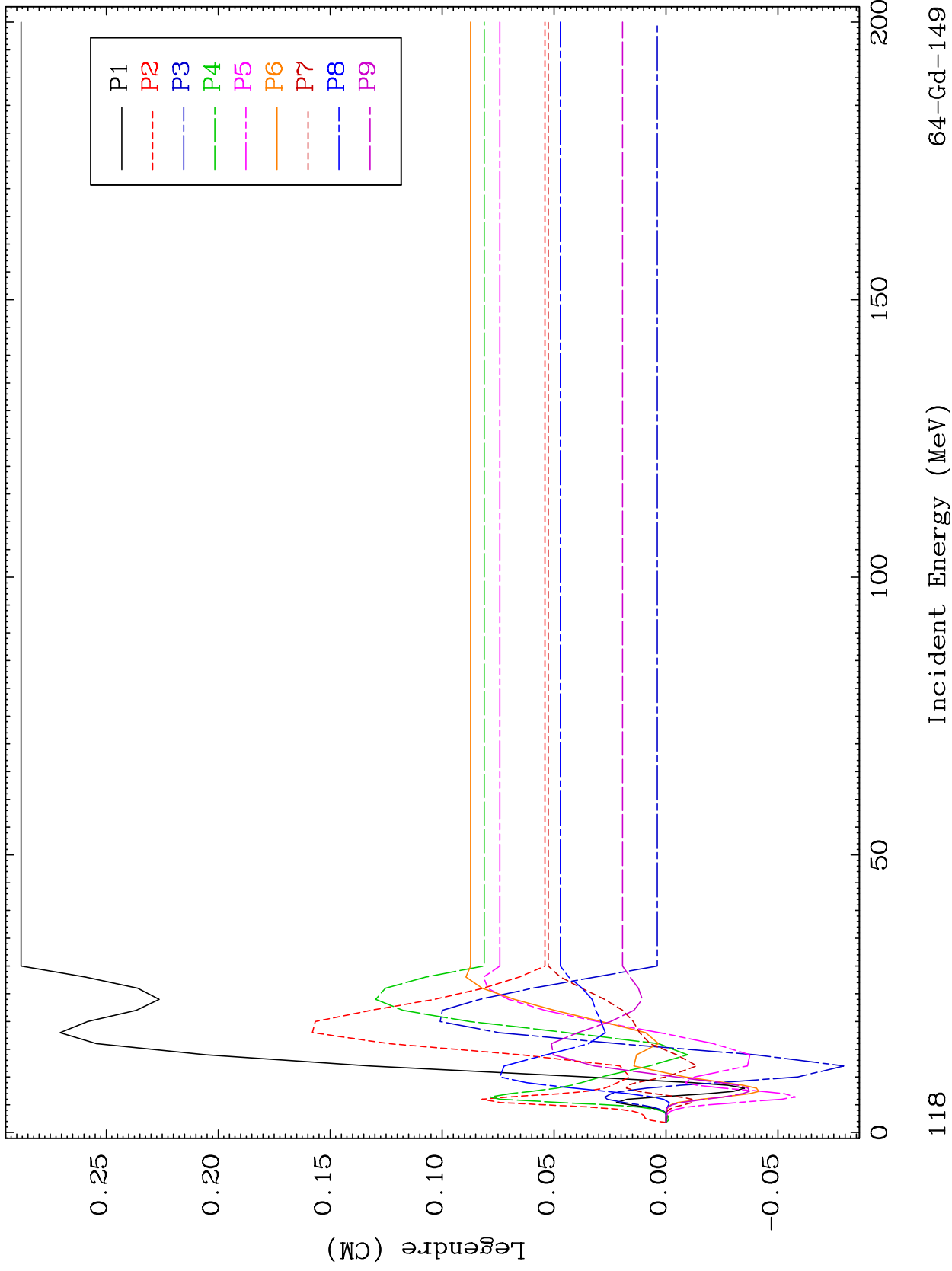
Legendre Coefficients



MAT 6416

MT= 75 (n,n') Level
Legendre Coefficients

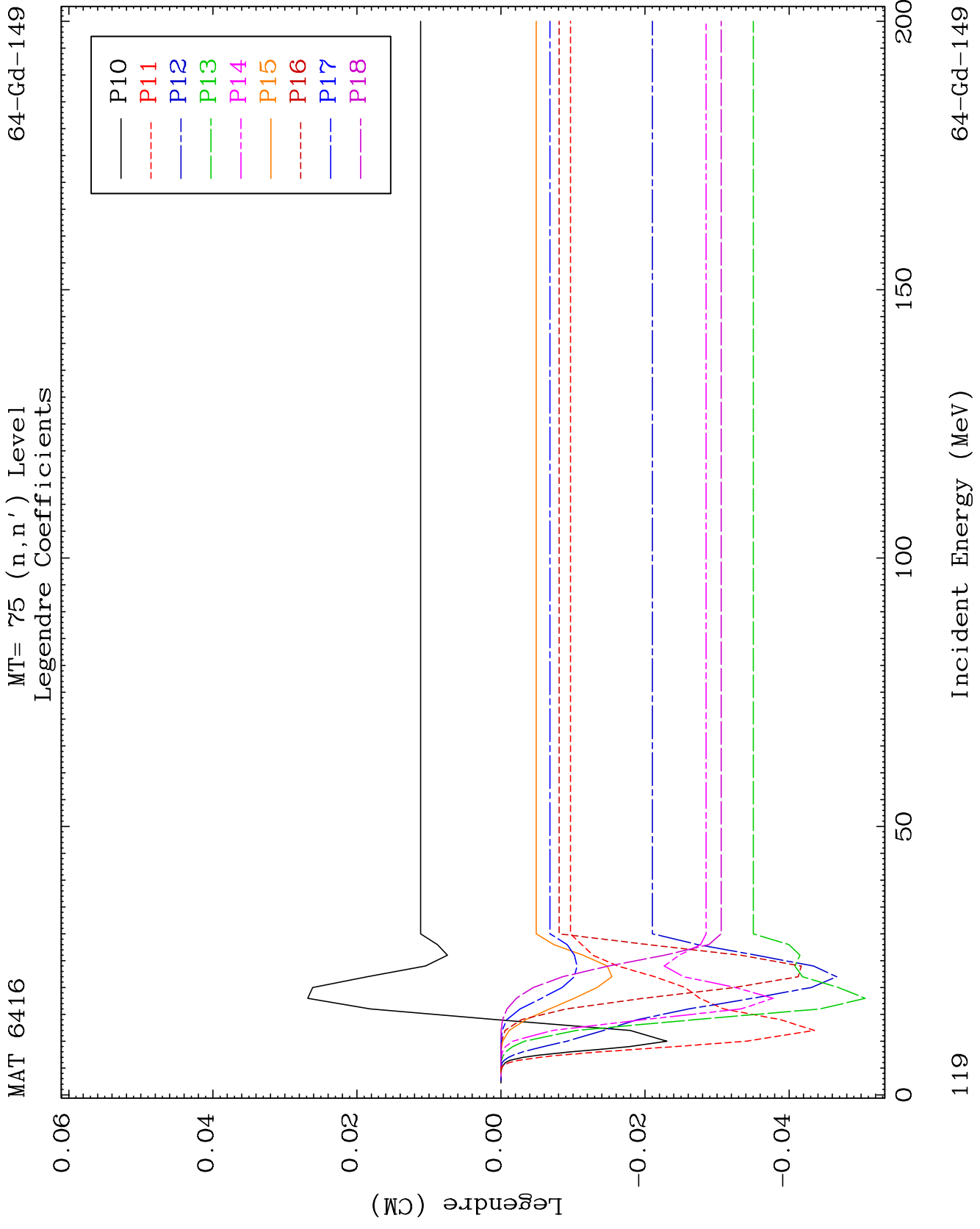
64-Gd-149



64-Gd-149

Incident Energy (MeV)

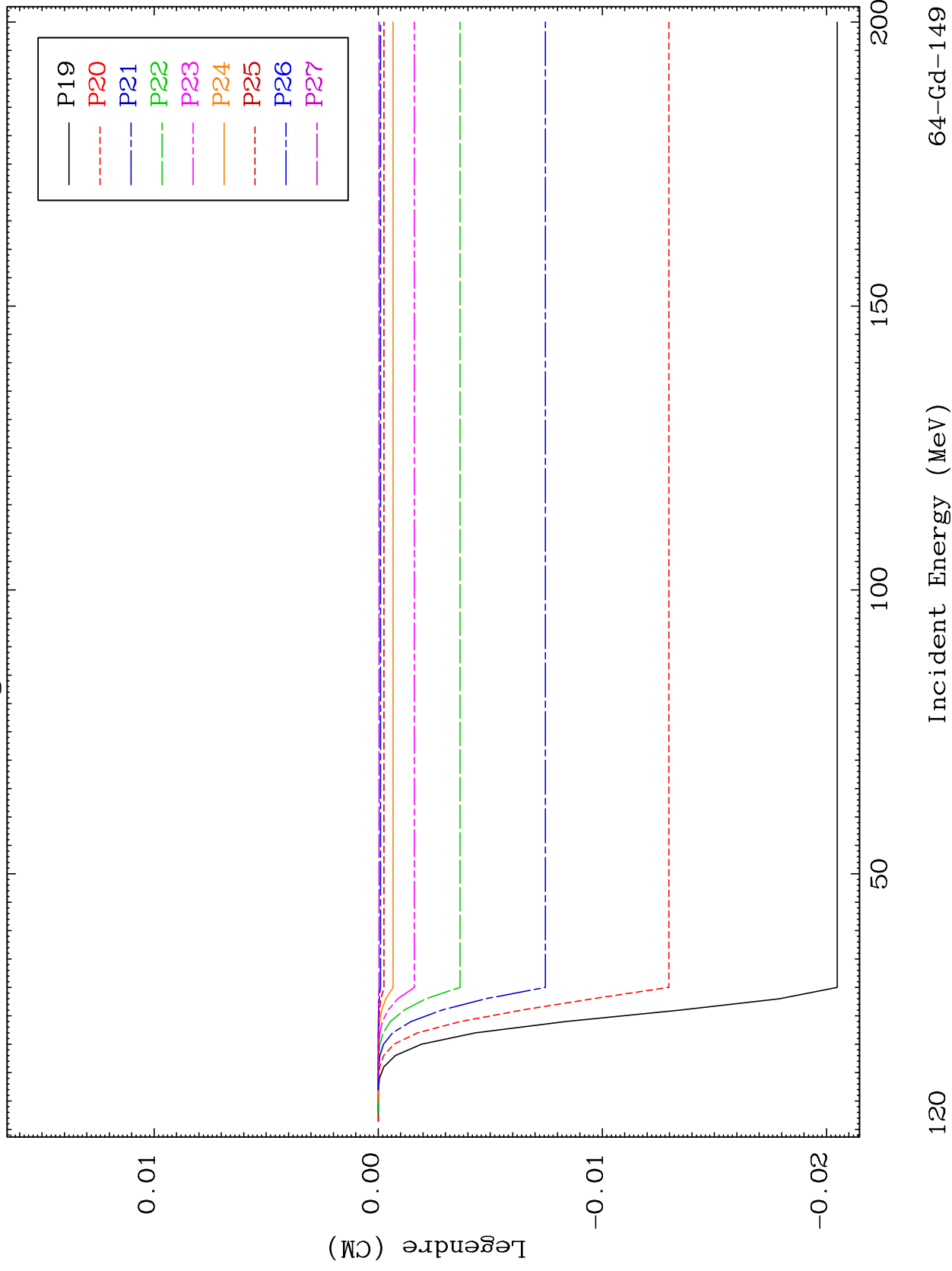
118



MAT 6416

MT= 75 (n,n') Level
Legendre Coefficients

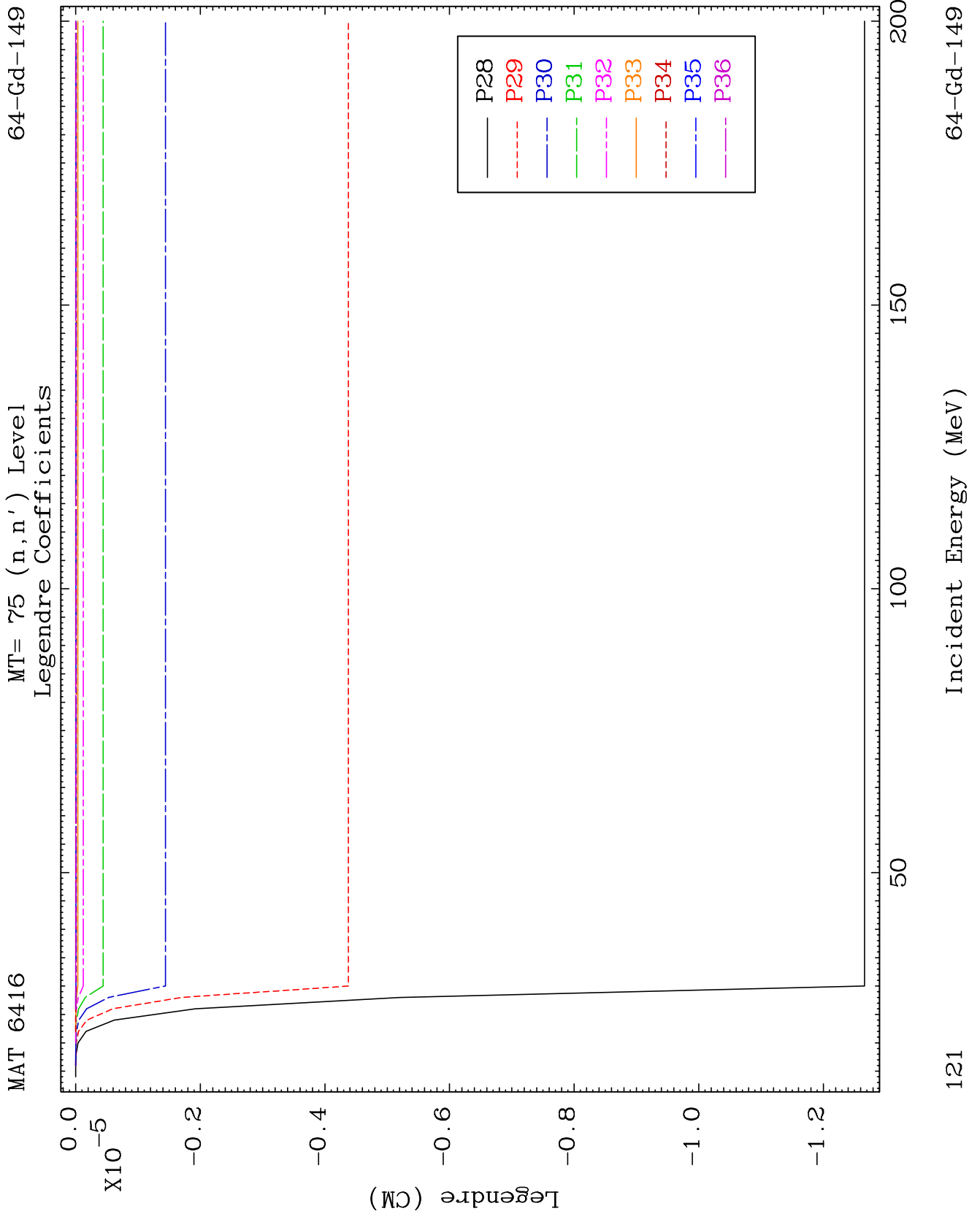
64-Gd-149



64-Gd-149

Incident Energy (MeV)

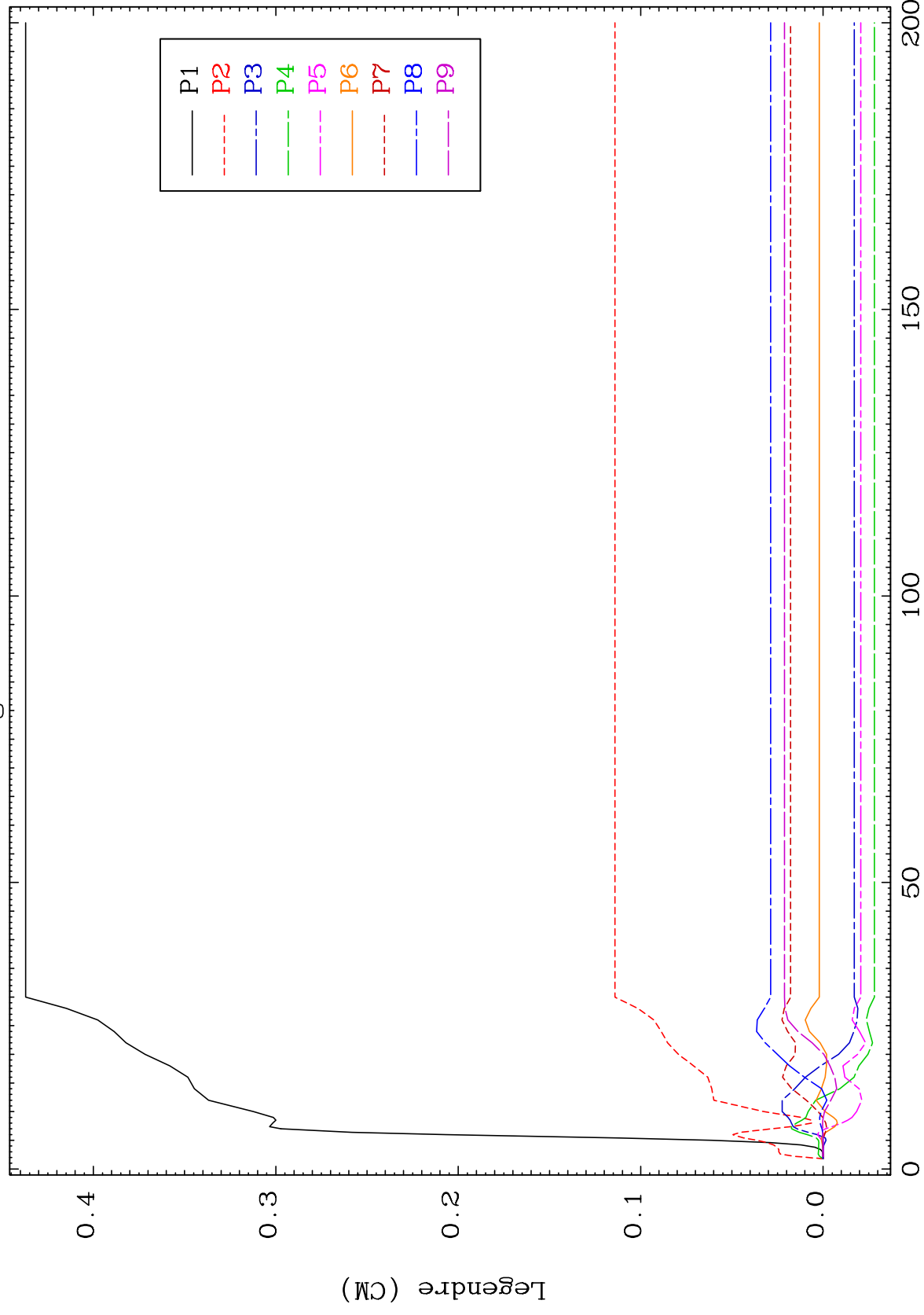
120



MAT 6416

MT= 76 (n,n') Level
Legendre Coefficients

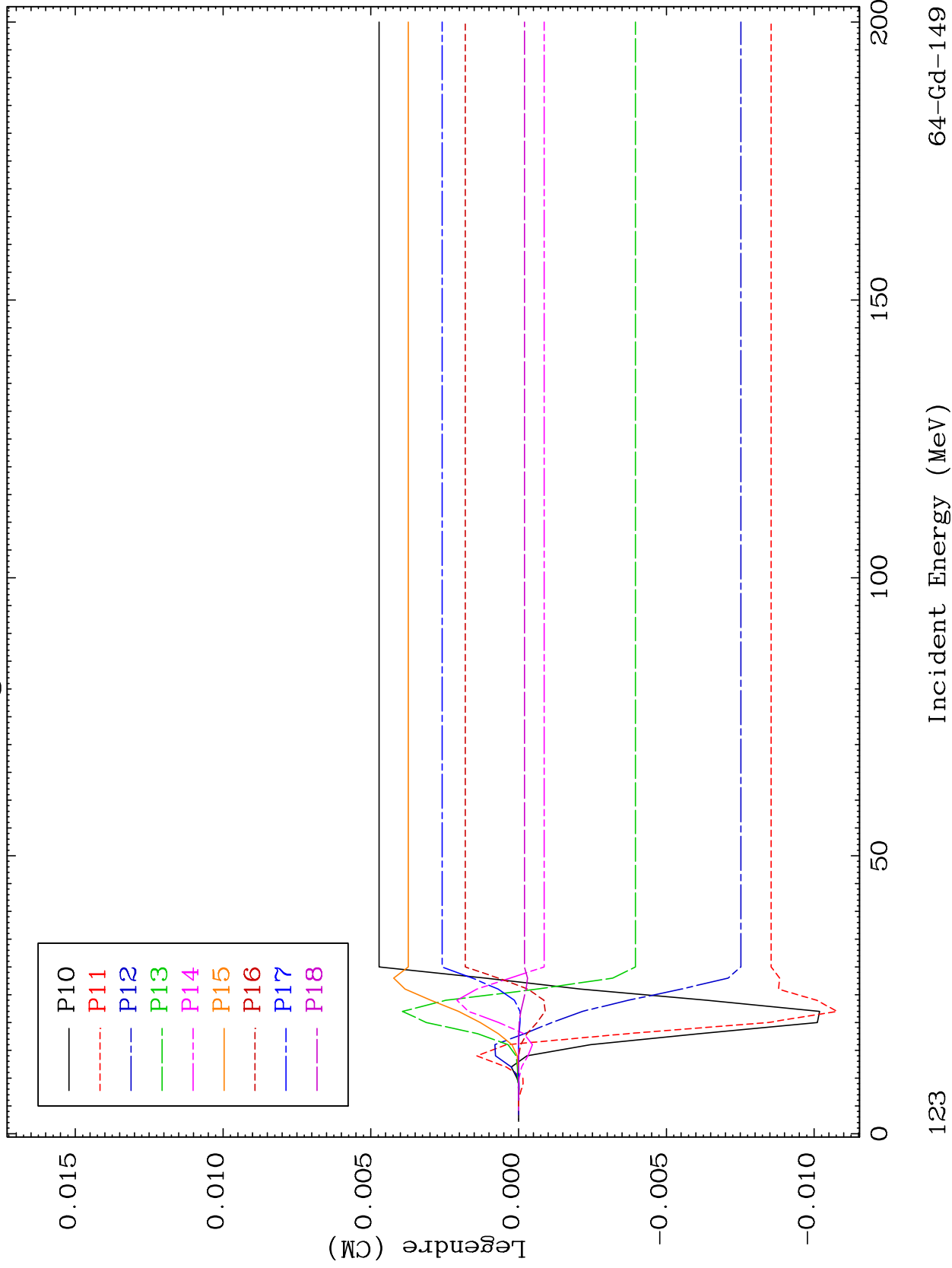
64-Gd-149



64-Gd-149

Incident Energy (MeV)

122

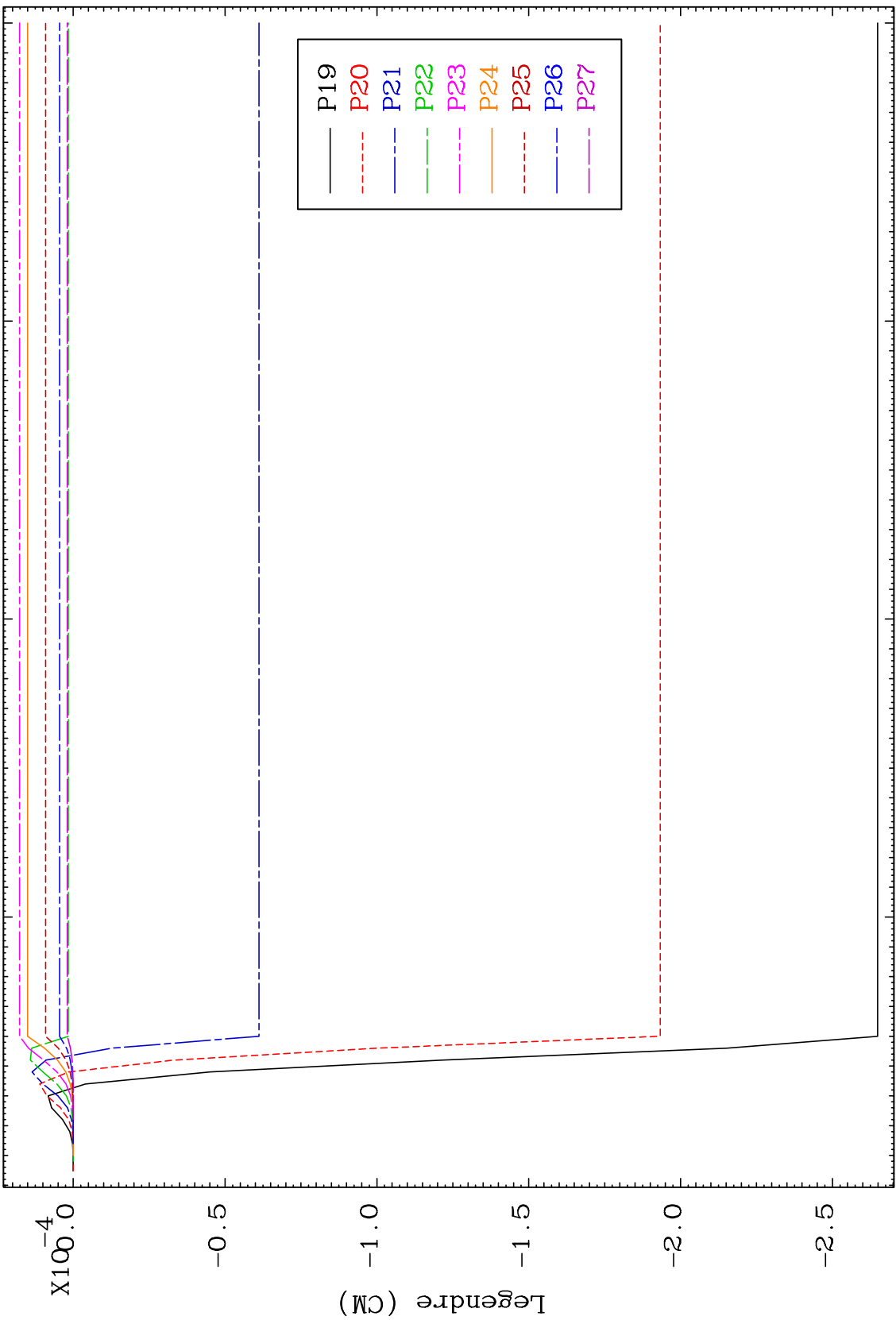


MAT 6416

MT= 76 (n,n') Level

64-Gd-149

Legendre Coefficients



64-Gd-149

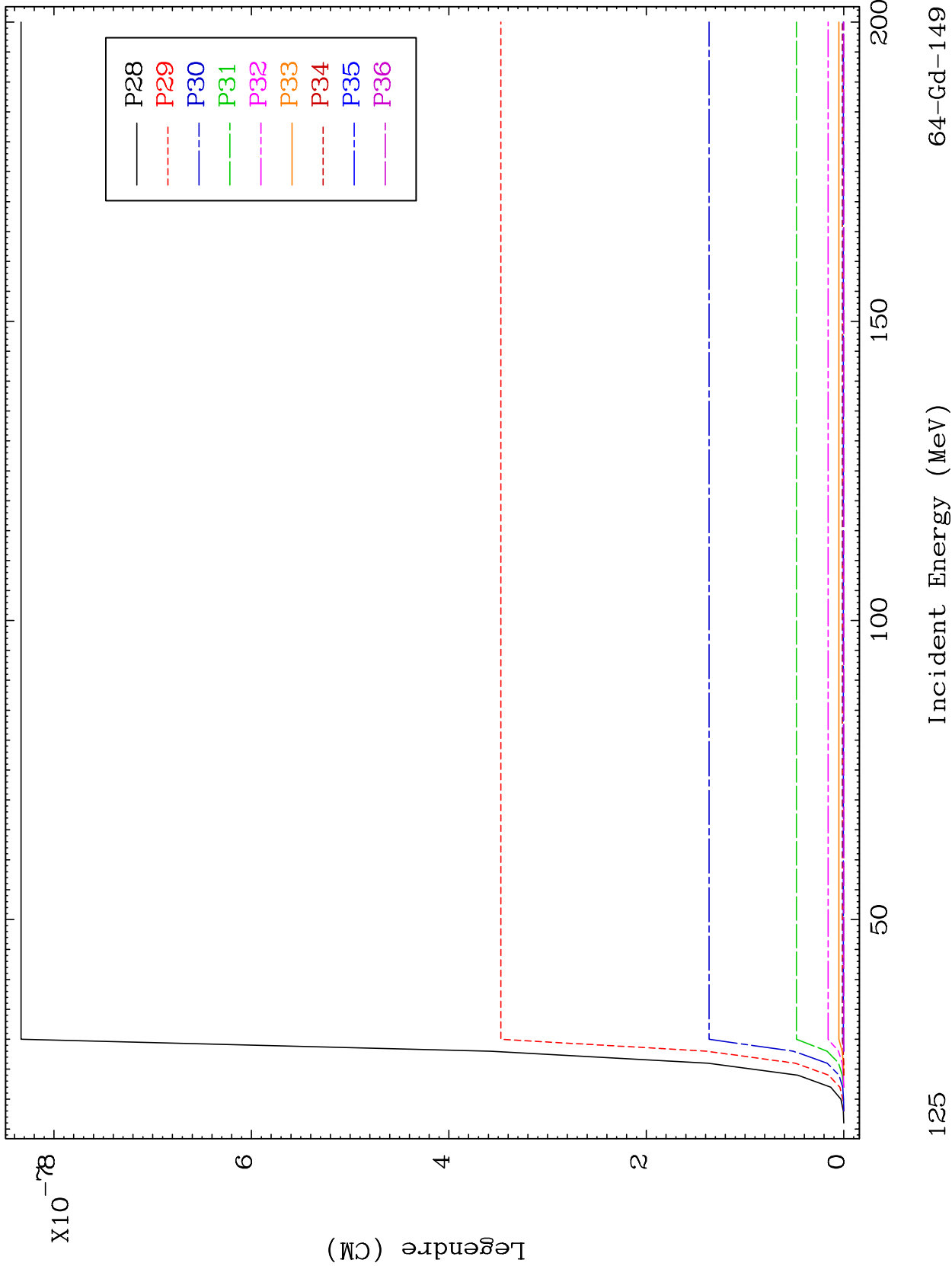
Incident Energy (MeV)

124

MAT 6416

MT= 76 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

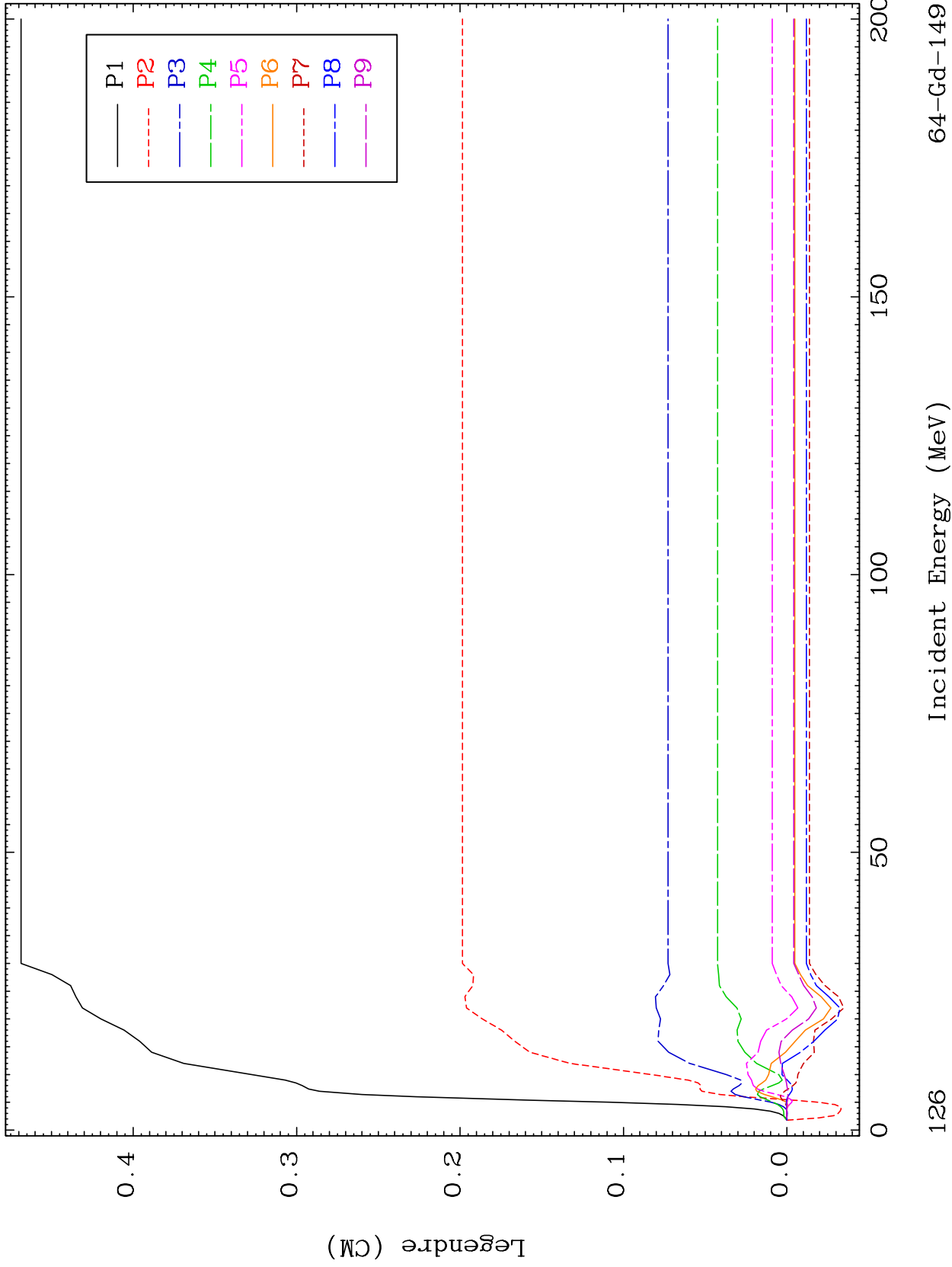
Incident Energy (MeV)

125

MAT 6416

MT= 77 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

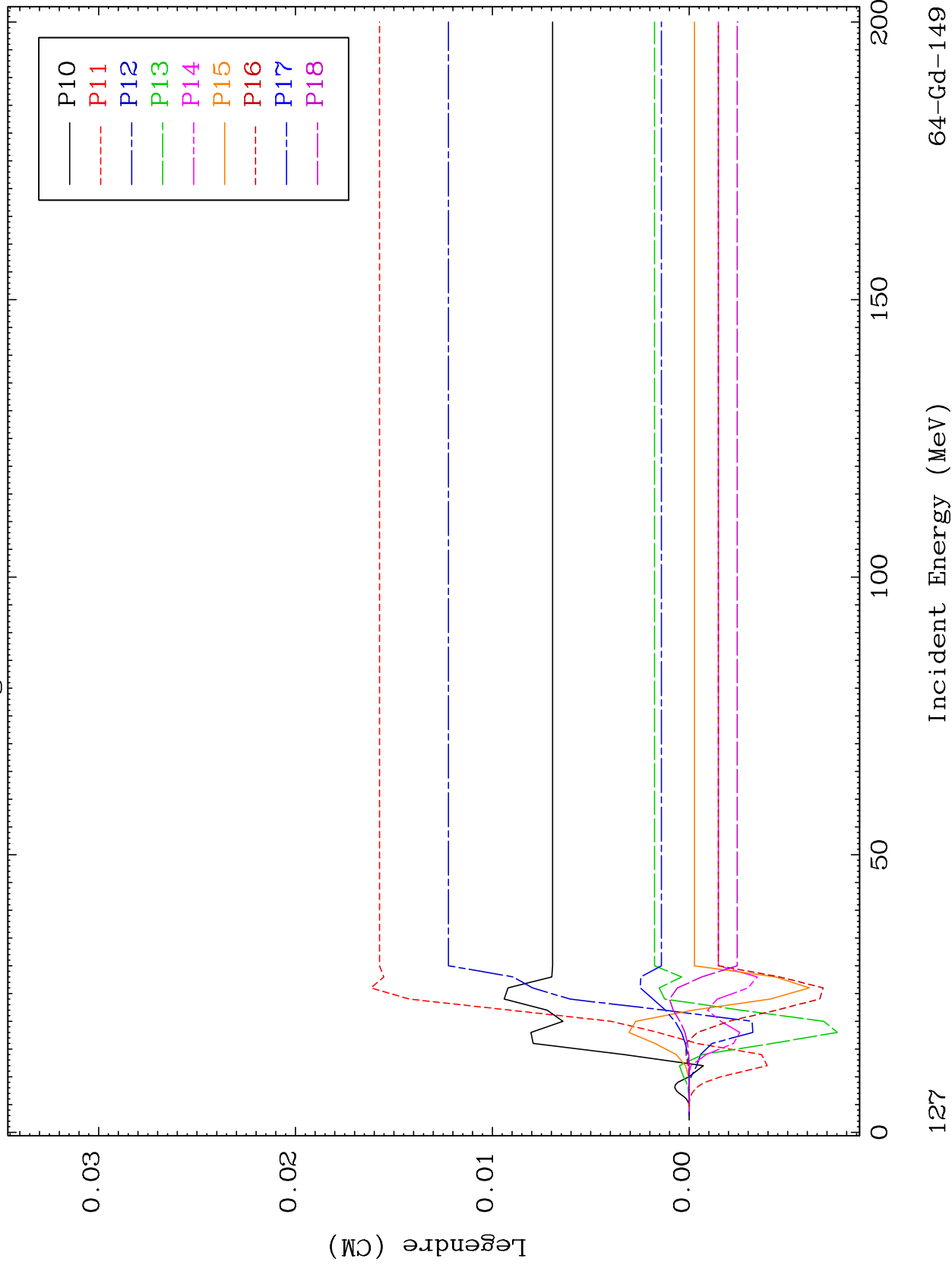
Incident Energy (MeV)

126

MAT 6416

MT= 77 (n,n') Level
Legendre Coefficients

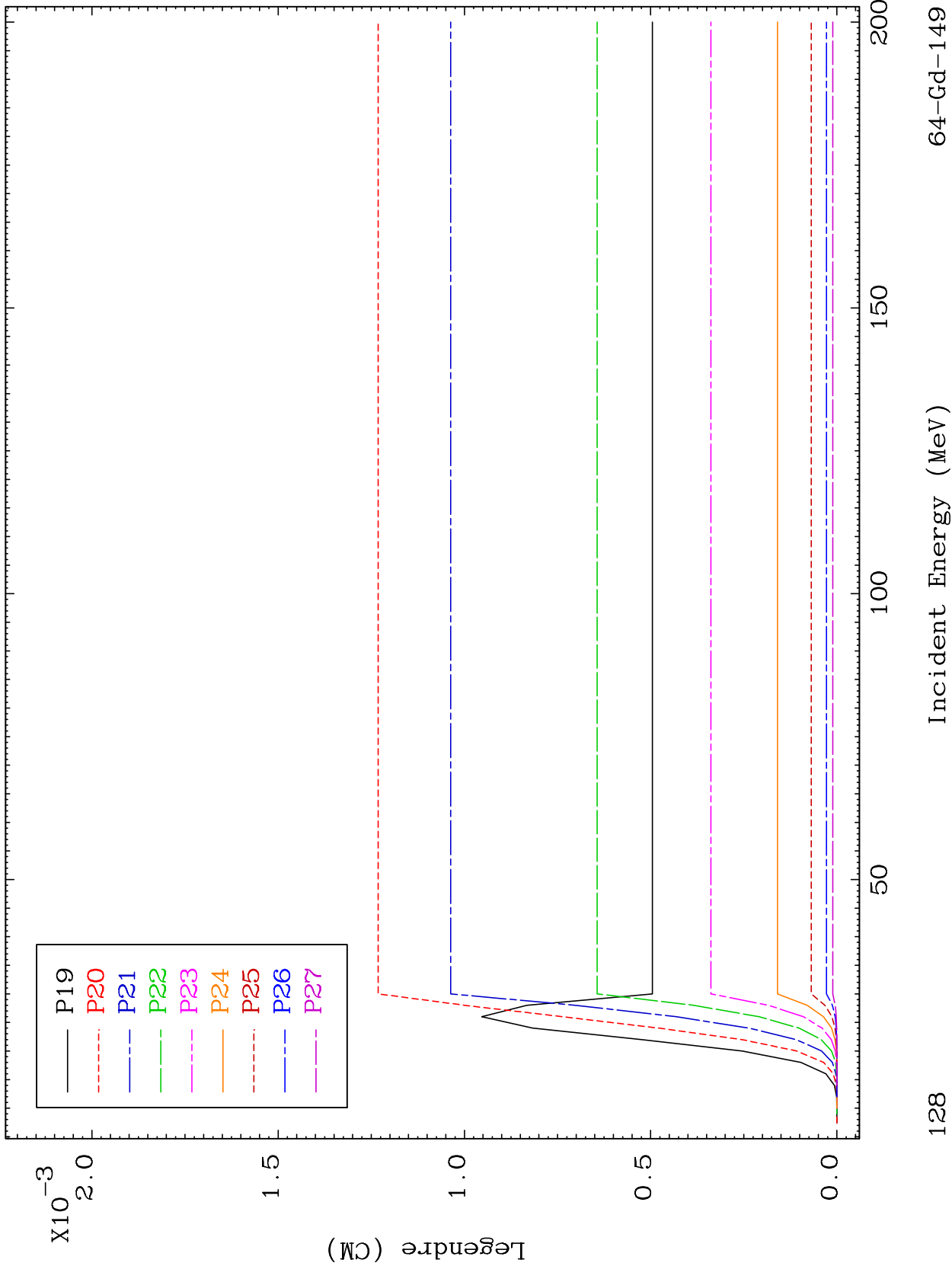
64-Gd-149



127

Incident Energy (MeV)

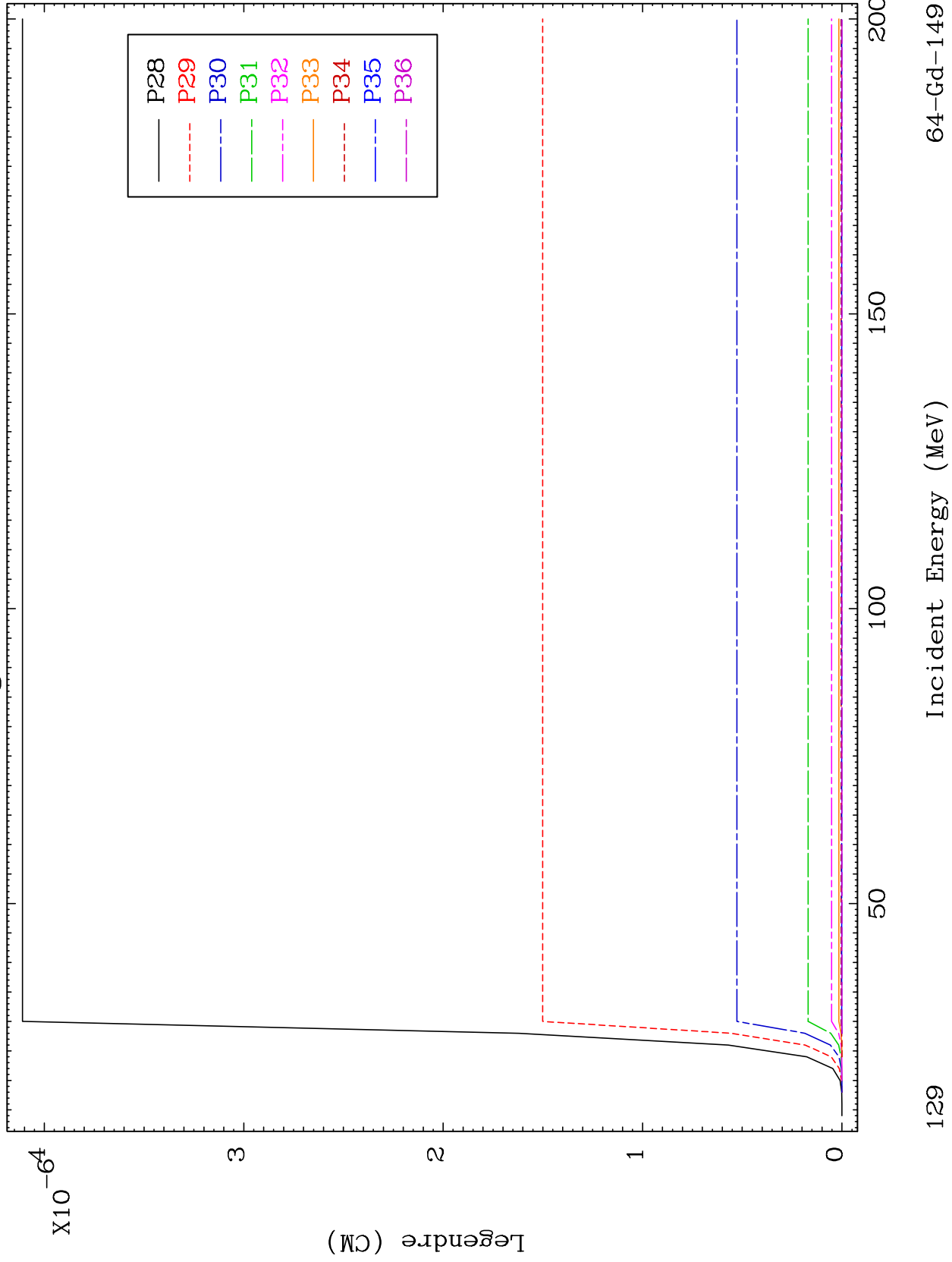
64-Gd-149



MAT 6416

MT= 77 (n,n') Level
Legendre Coefficients

64-Gd-149



129

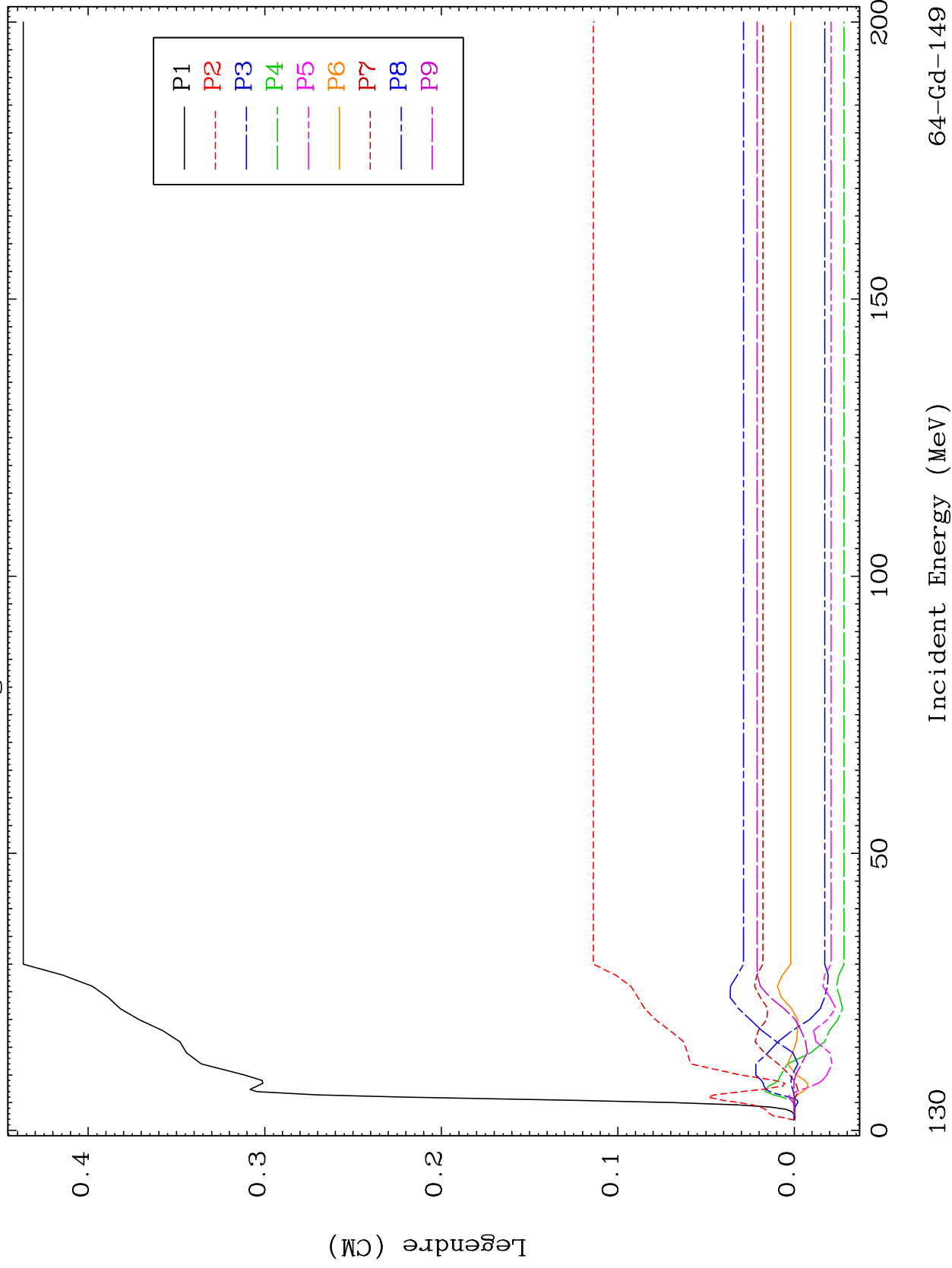
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 78 (n,n') Level
Legendre Coefficients

64-Gd-149



64-Gd-149

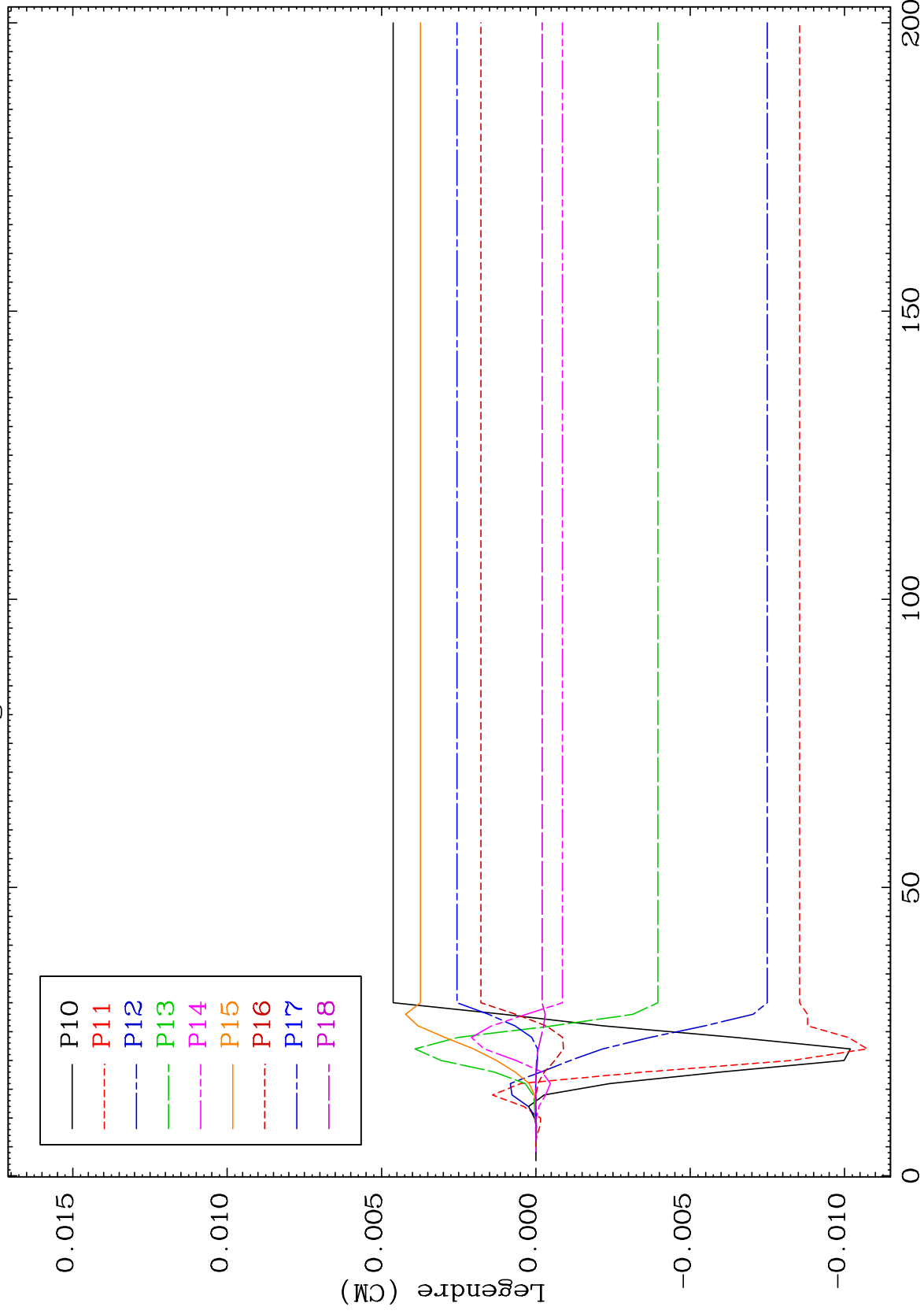
Incident Energy (MeV)

130

MAT 6416

MT= 78 (n,n') Level
Legendre Coefficients

64-Gd-149



131

Incident Energy (MeV)

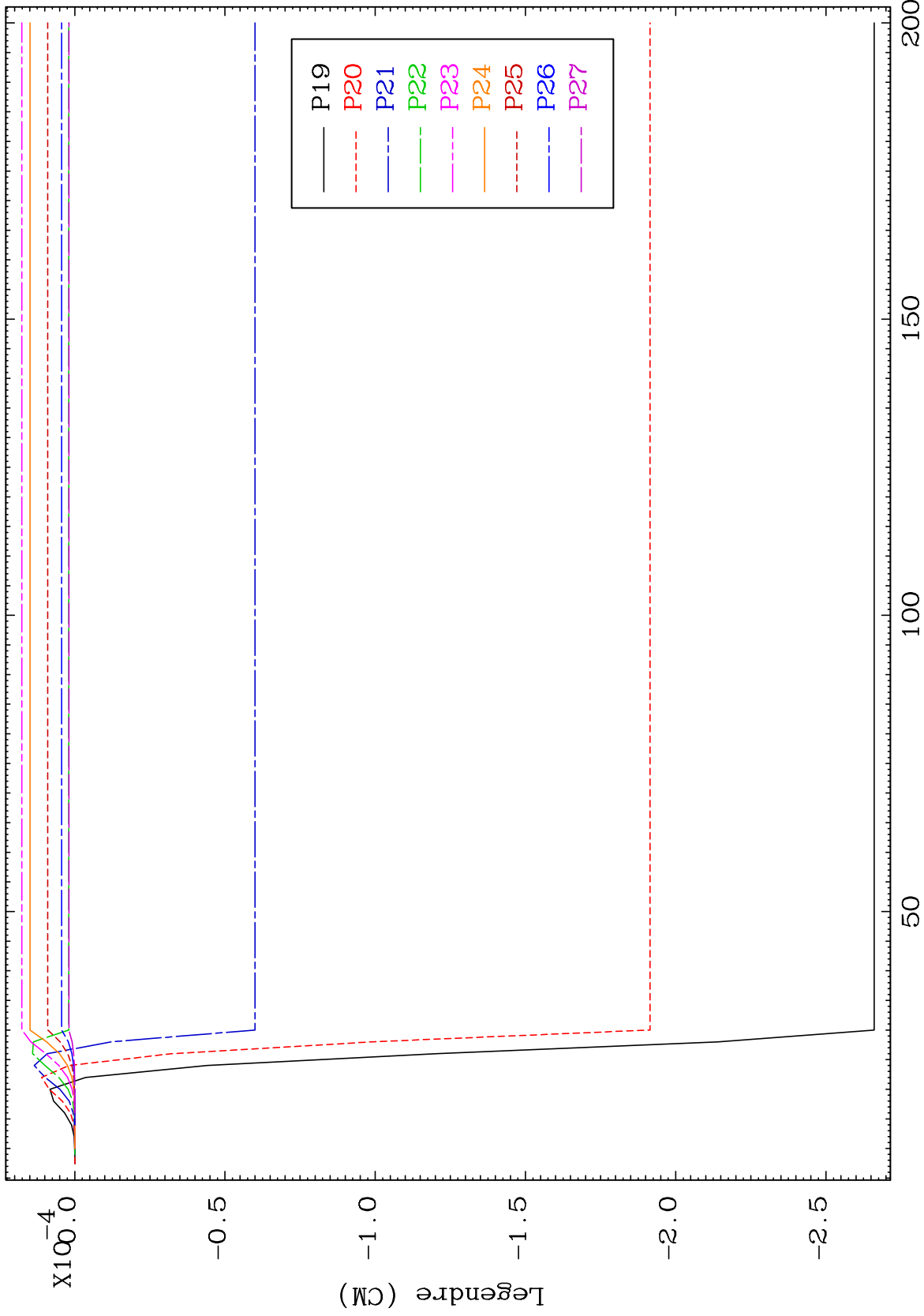
64-Gd-149

MAT 6416

MT= 78 (n,n') Level

64-Gd-149

Legendre Coefficients



132

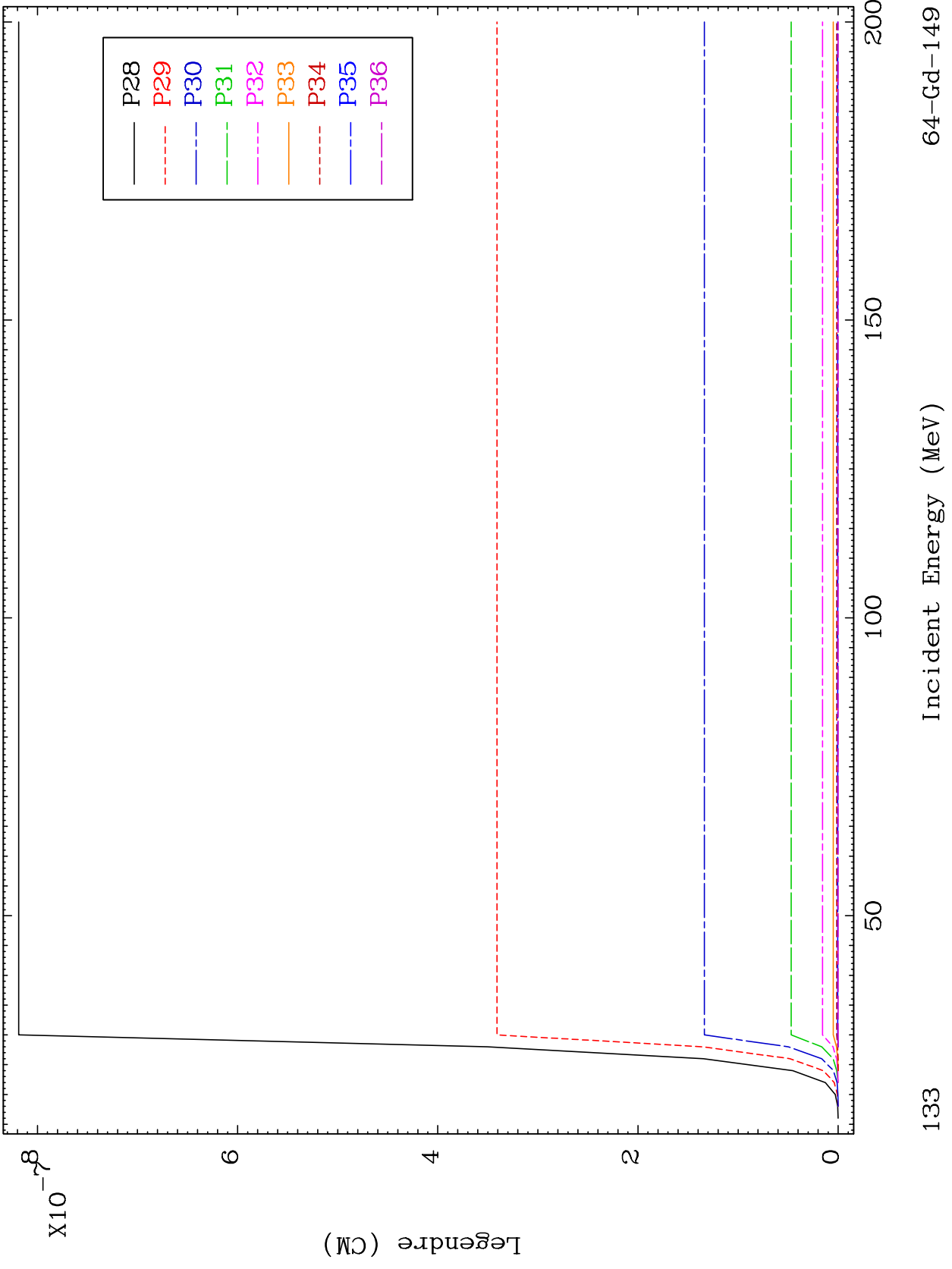
Incident Energy (MeV)

64-Gd-149

MAT 6416

MT= 78 (n,n') Level
Legendre Coefficients

64-Gd-149



133

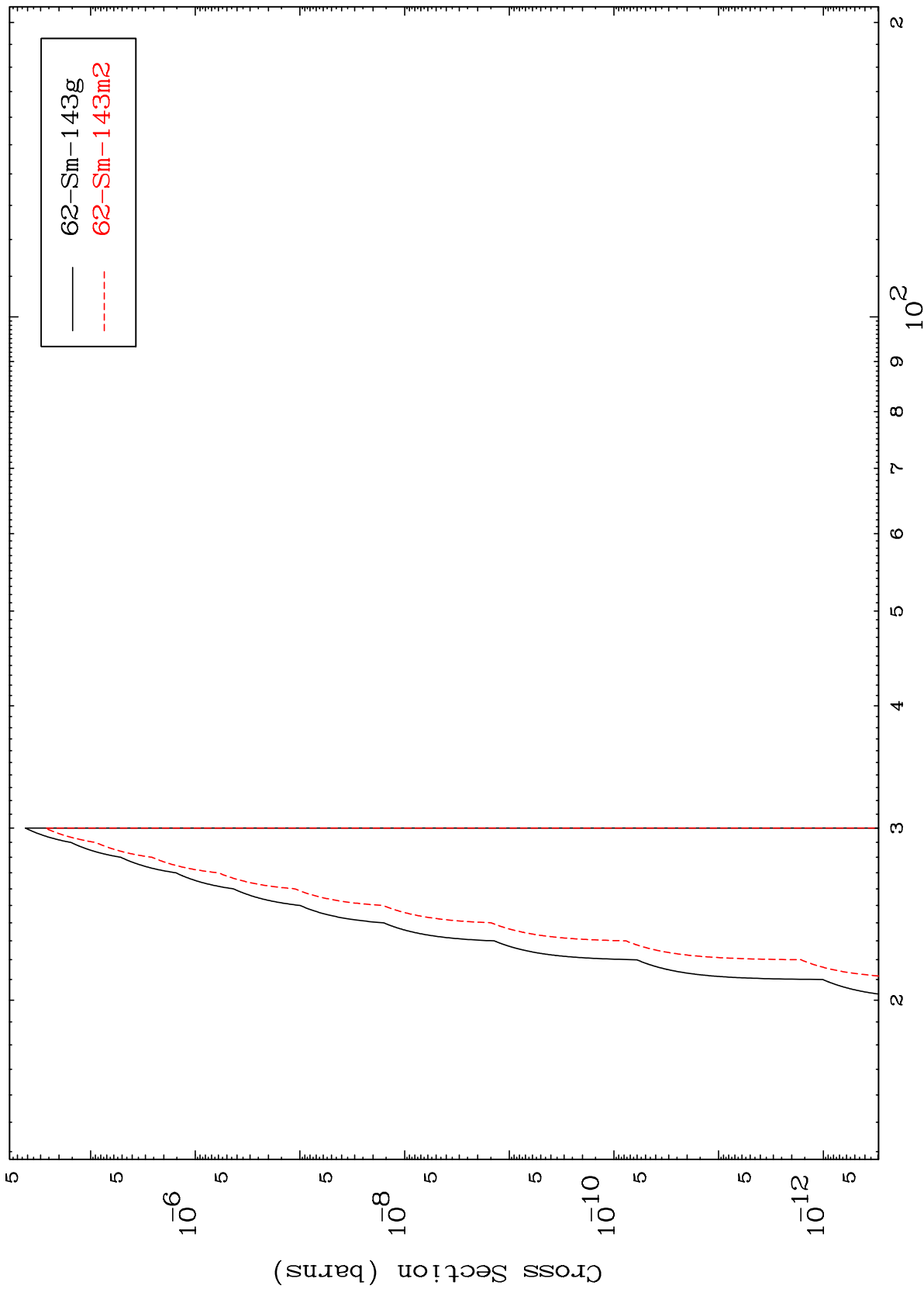
64-Gd-149

MAT 6416

$(n,3n) \alpha$

64-Gd-149

Radionuclide Production Cross Section



134

Incident Energy (MeV)

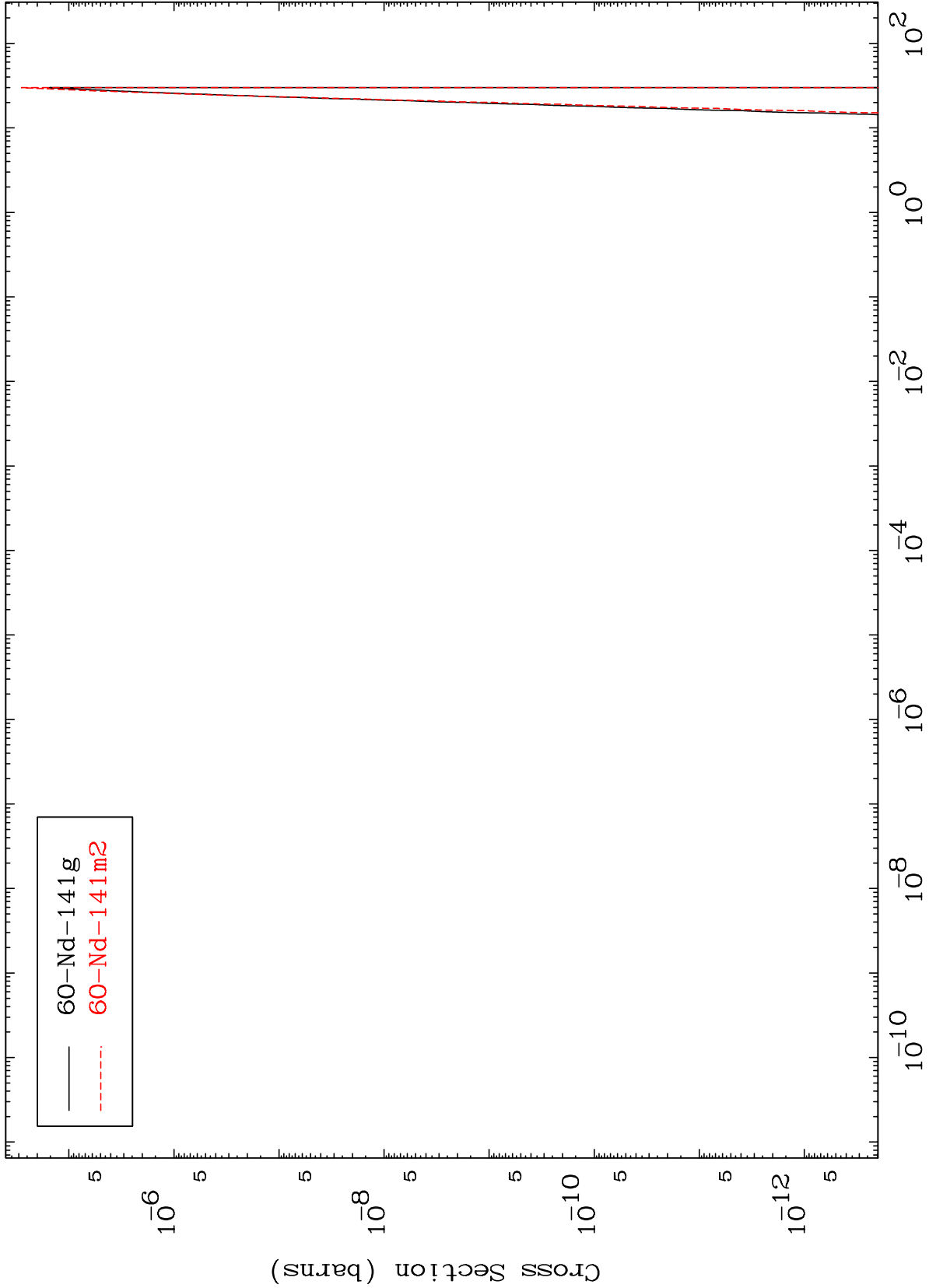
64-Gd-149

MAT 6416

(n,n') 2α

64-Gd-149

Radionuclide Production Cross Section



60-Nd-141g
60-Nd-141m2

135

Incident Energy (MeV)

64-Gd-149