

Program EVALPLOT
(Version 2015-2)

by

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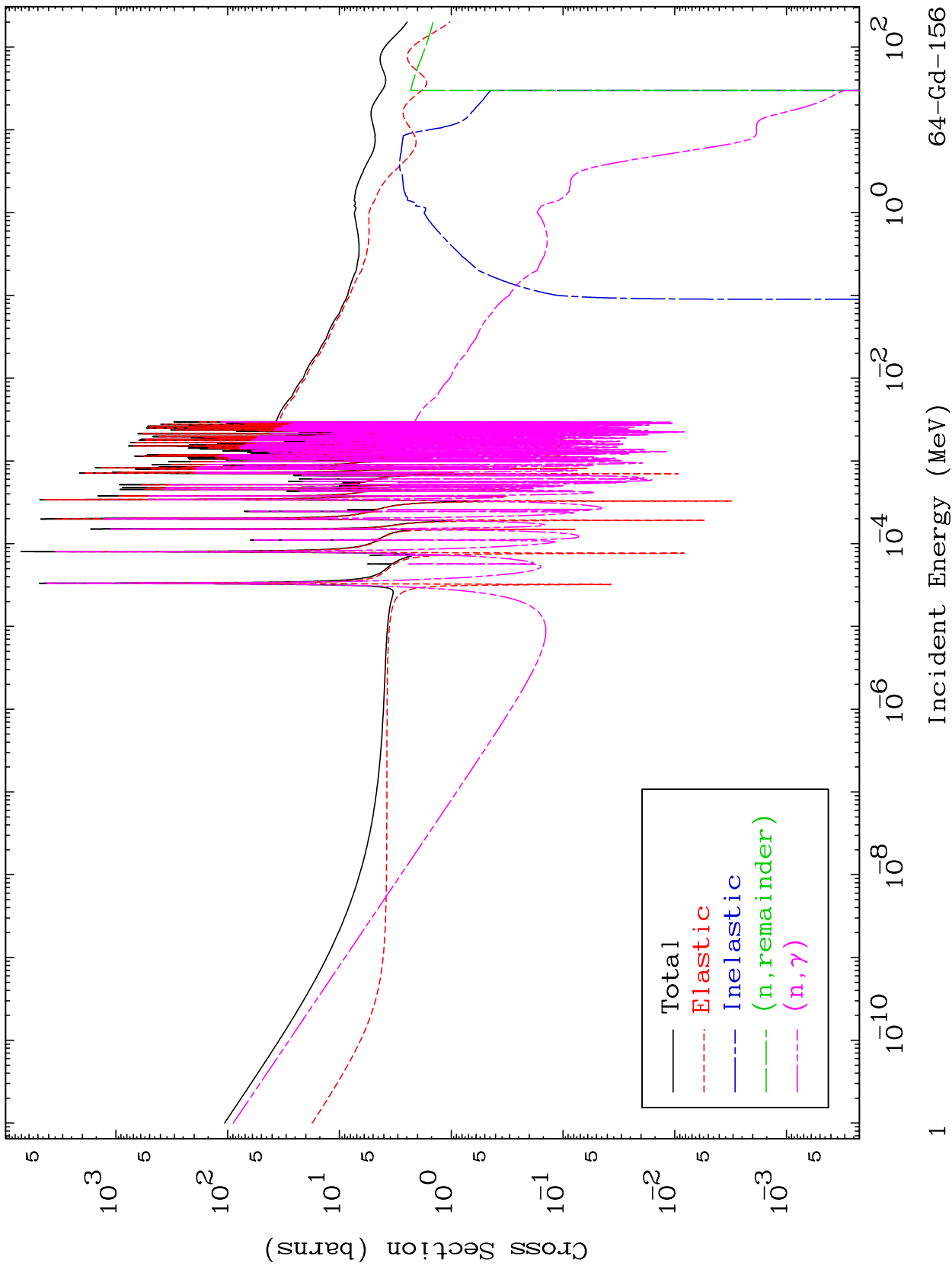
Press Mouse Button to Start

MAT 6437

Major

293 Kelvin Cross Sections

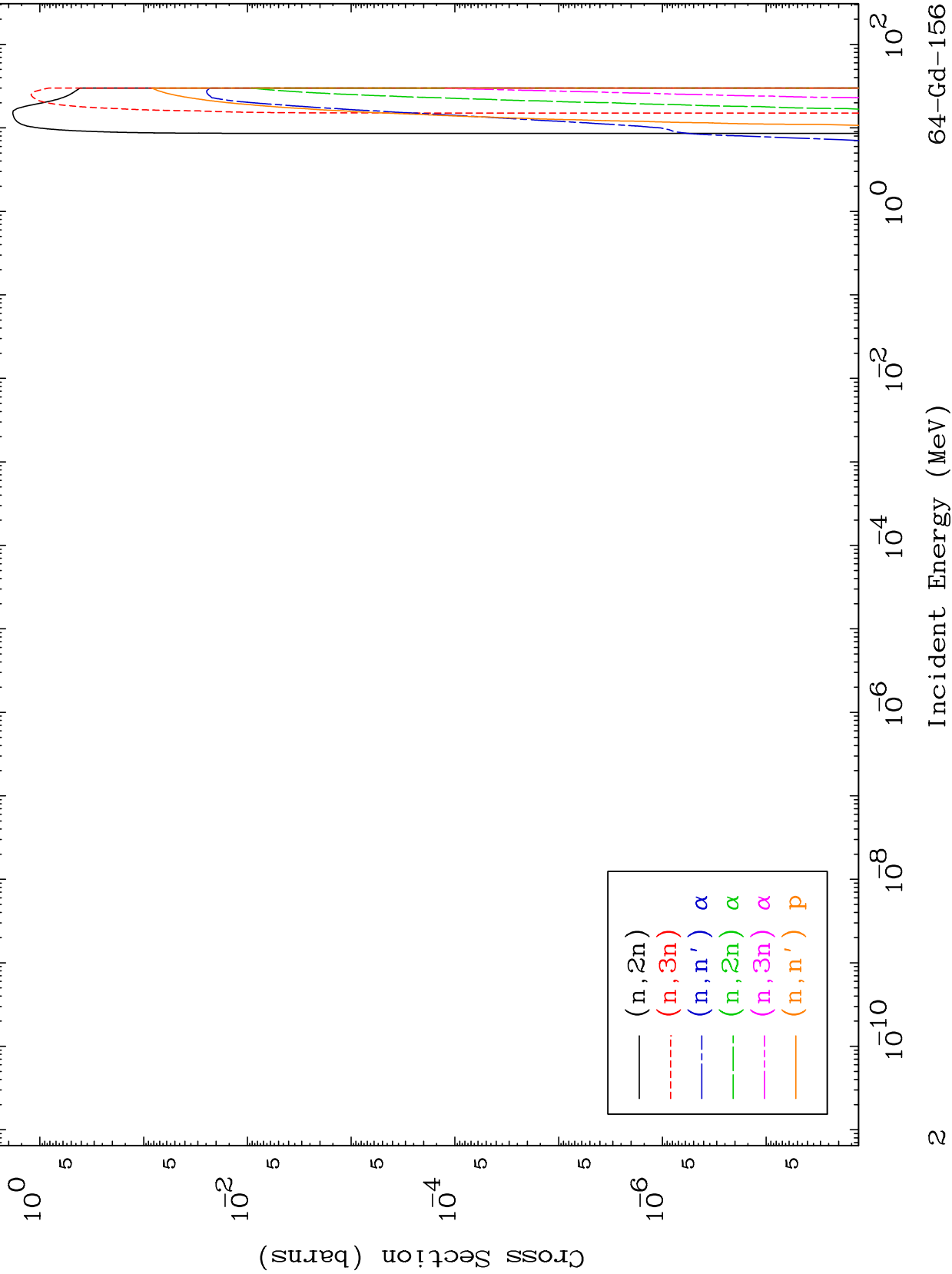
64-Gd-156

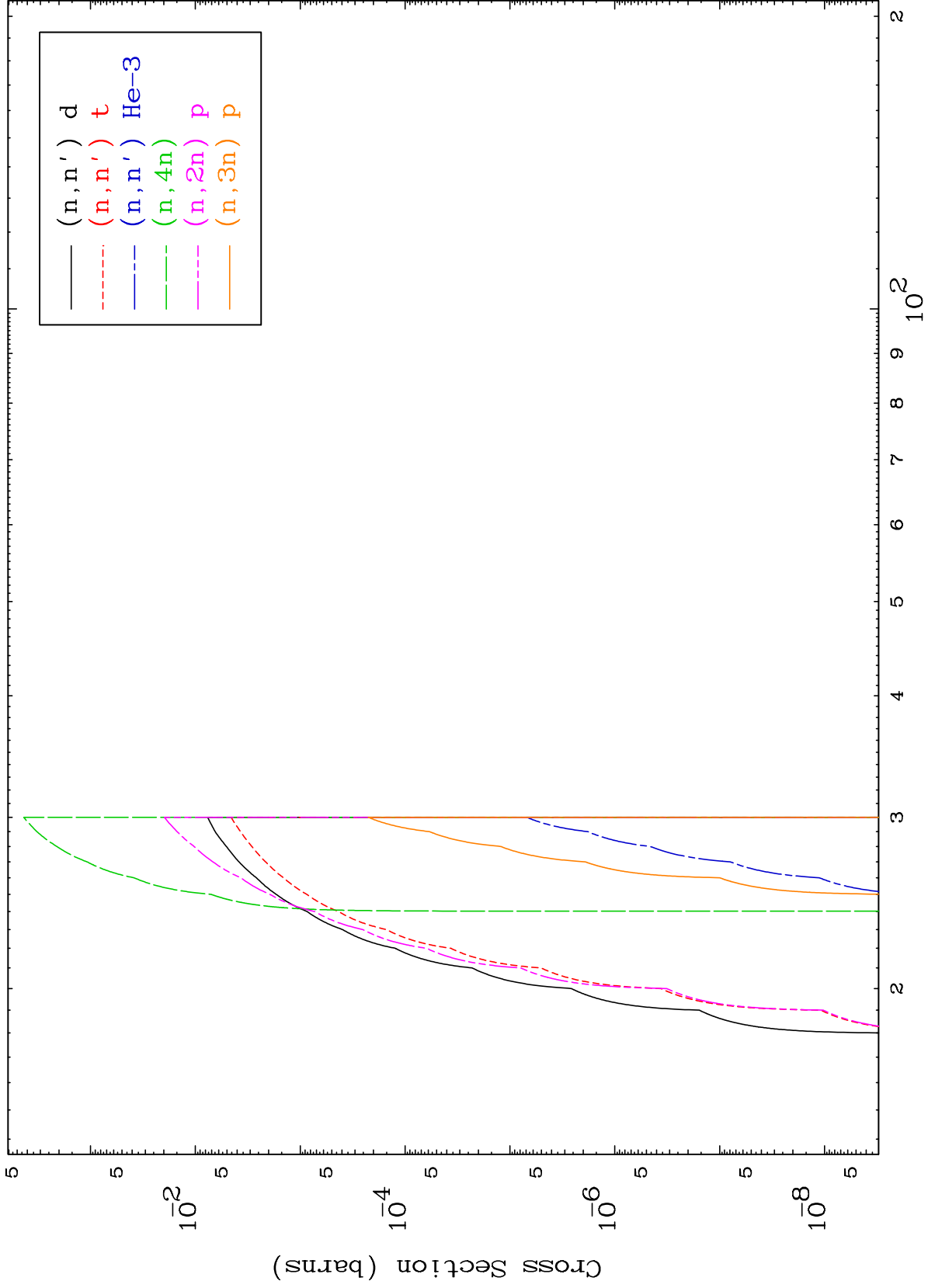


MAT 6437

Neutron Production
293 Kelvin Cross Sections

64-Gd-156

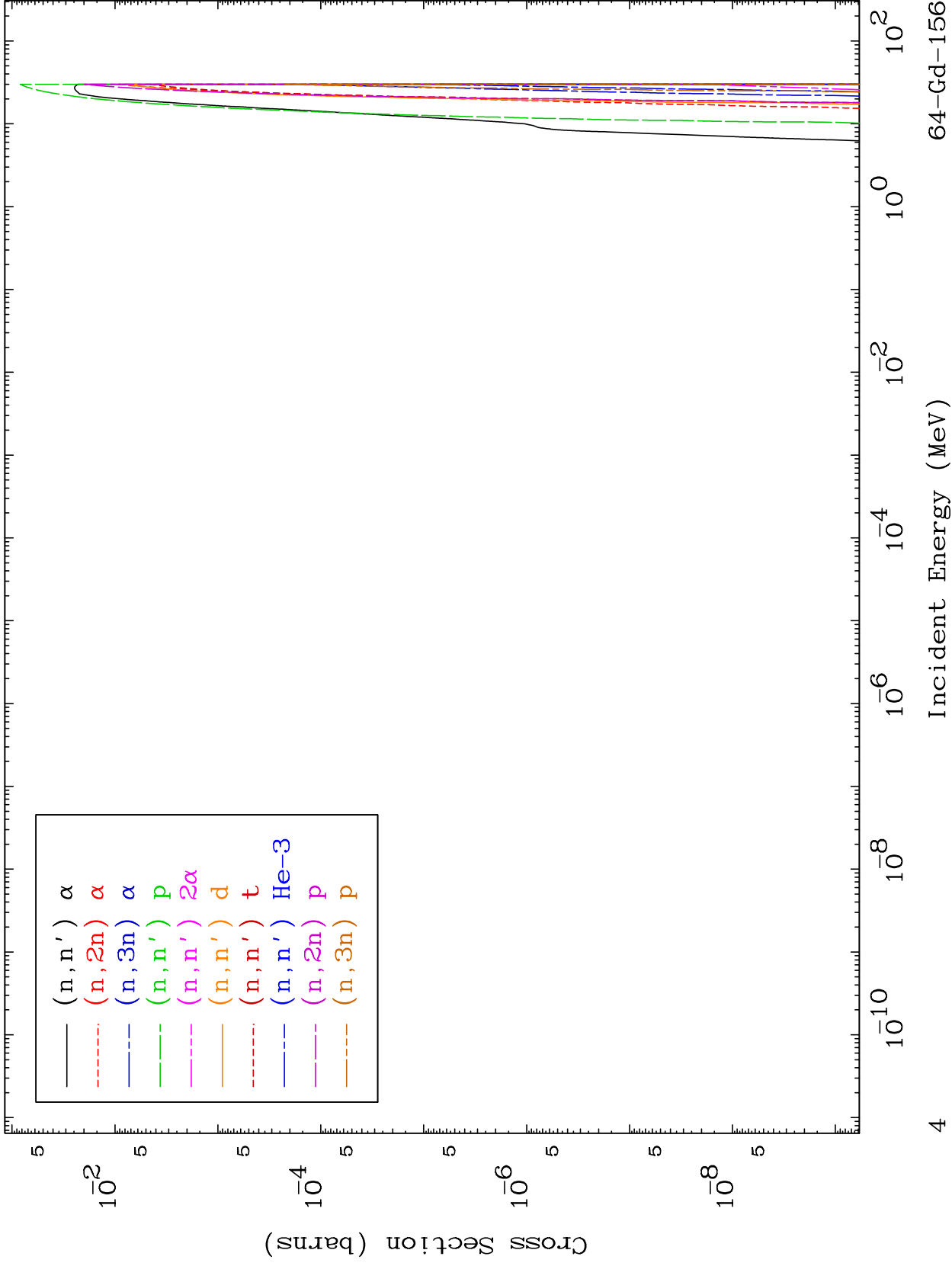


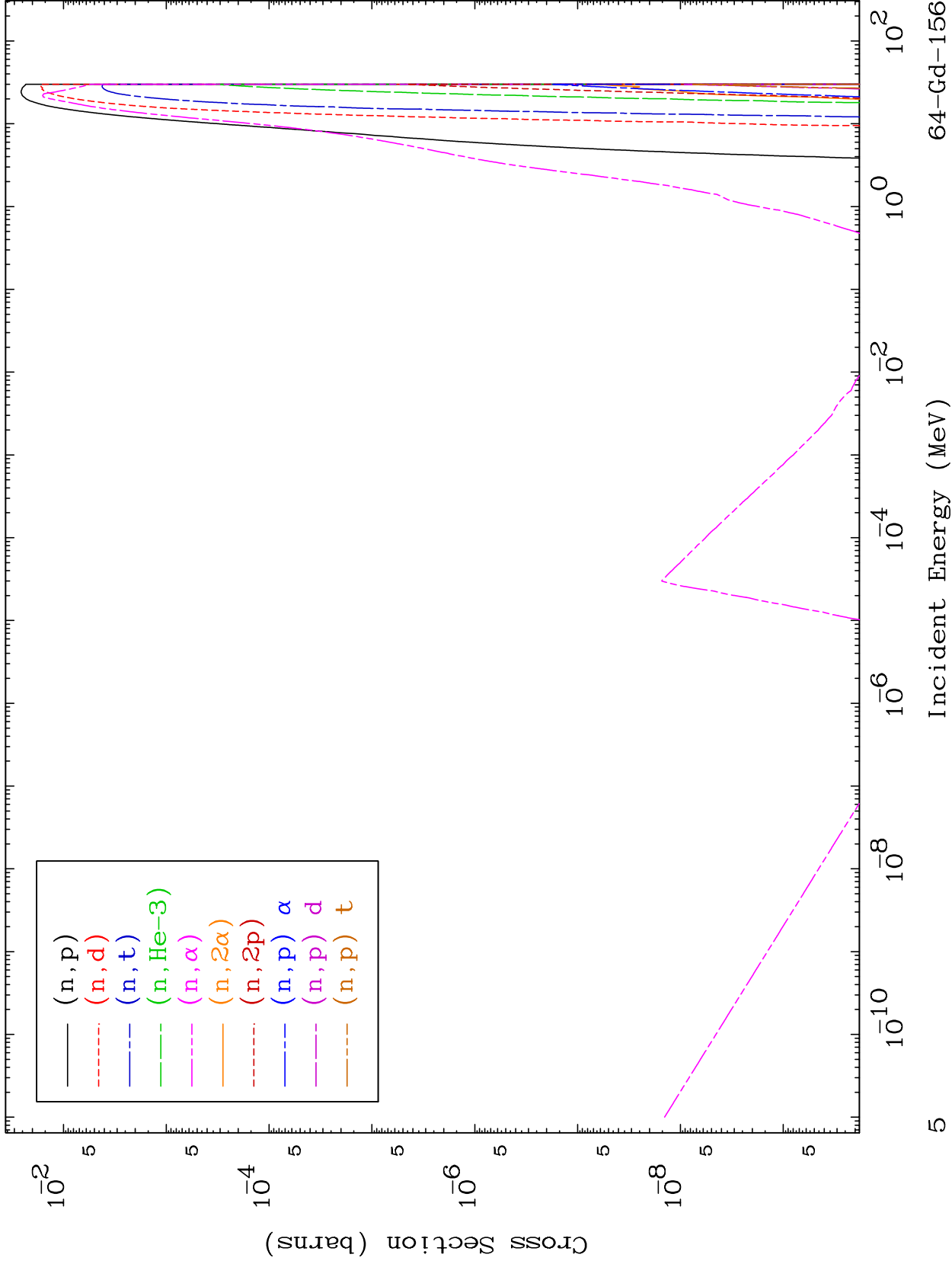


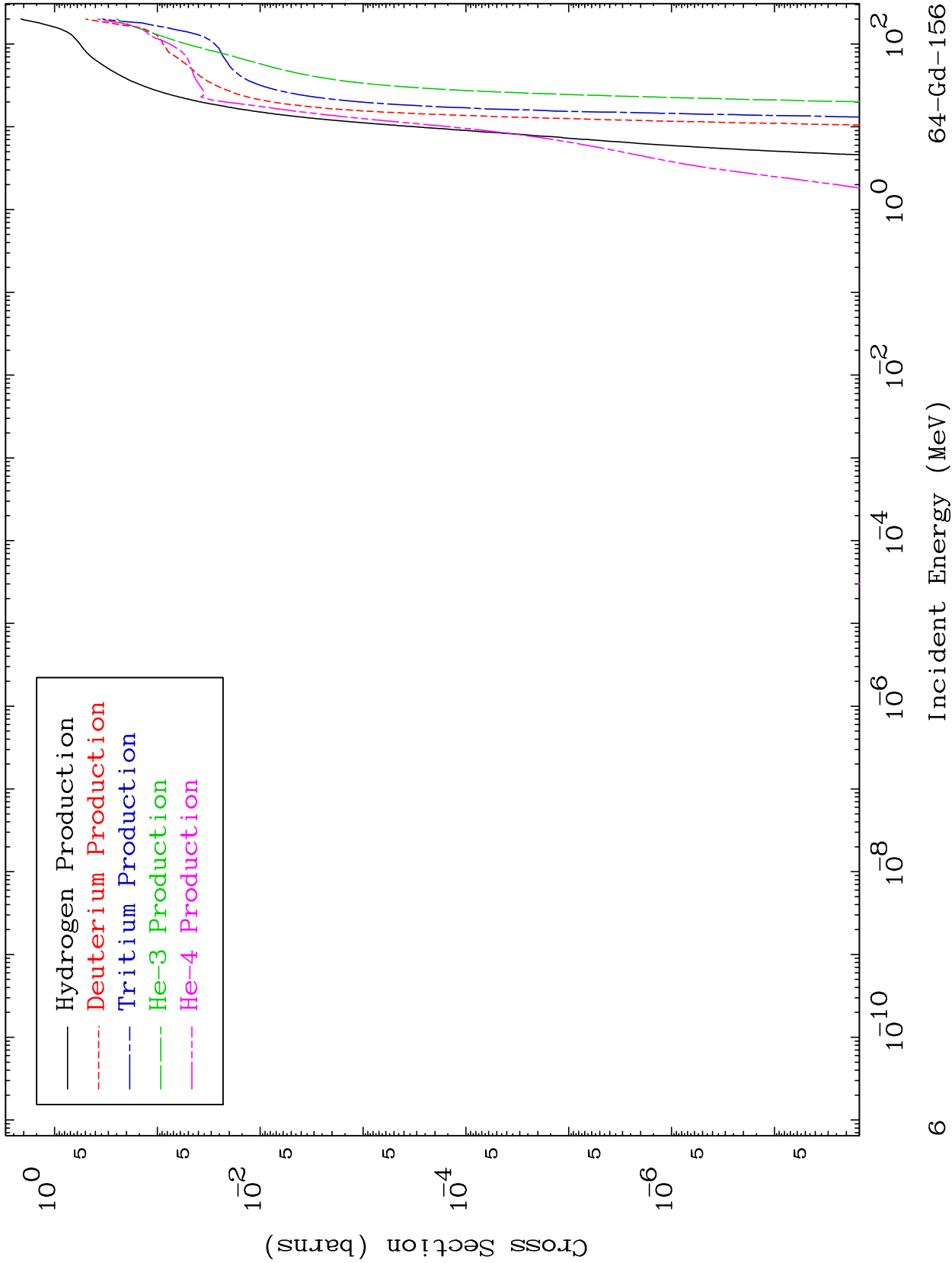
MAT 6437

Charged Particle
293 Kelvin Cross Sections

64-Gd-156



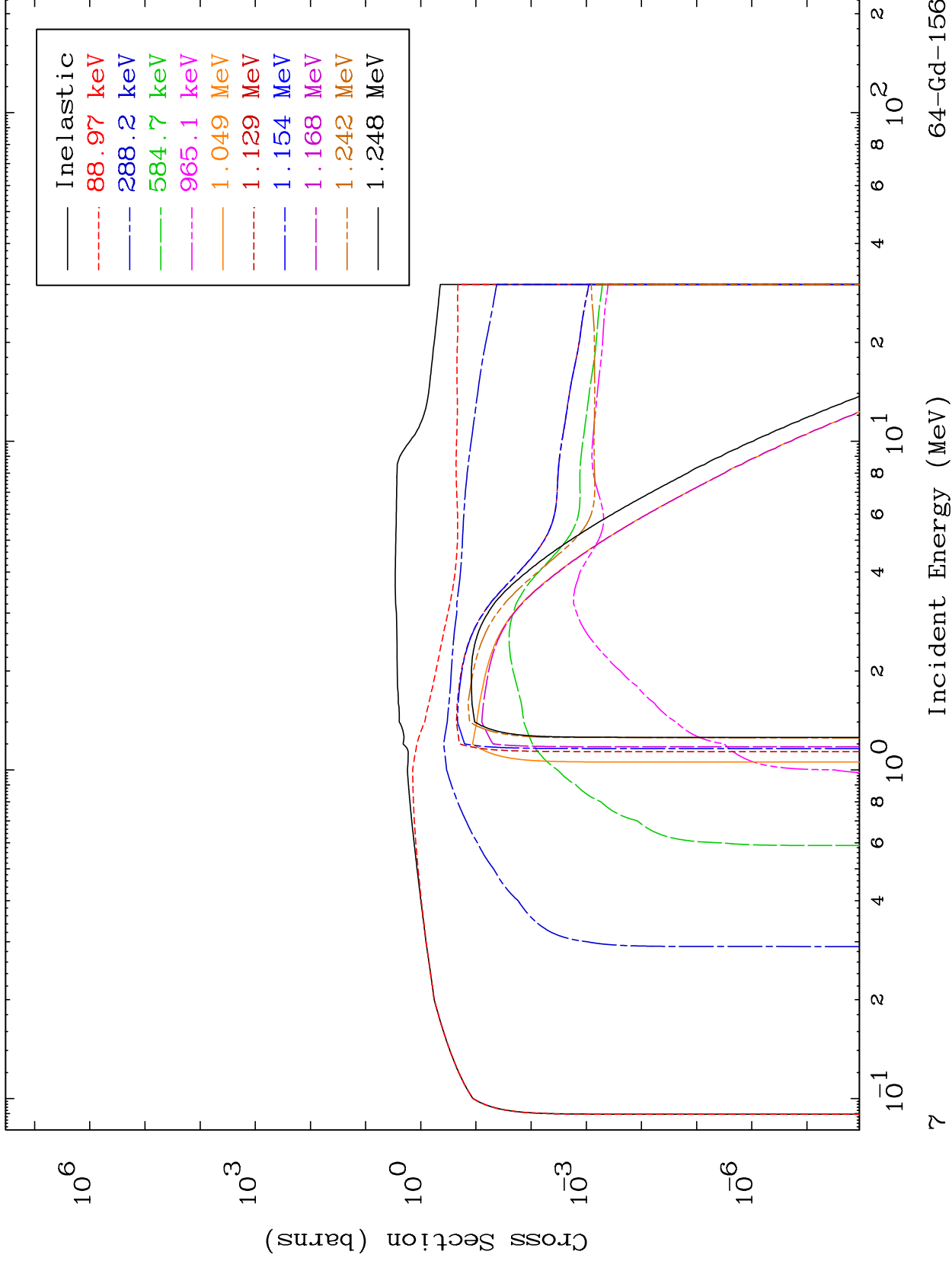




MAT 6437

(n,n') Level
293 Kelvin Cross Sections

64-Gd-156



64-Gd-156

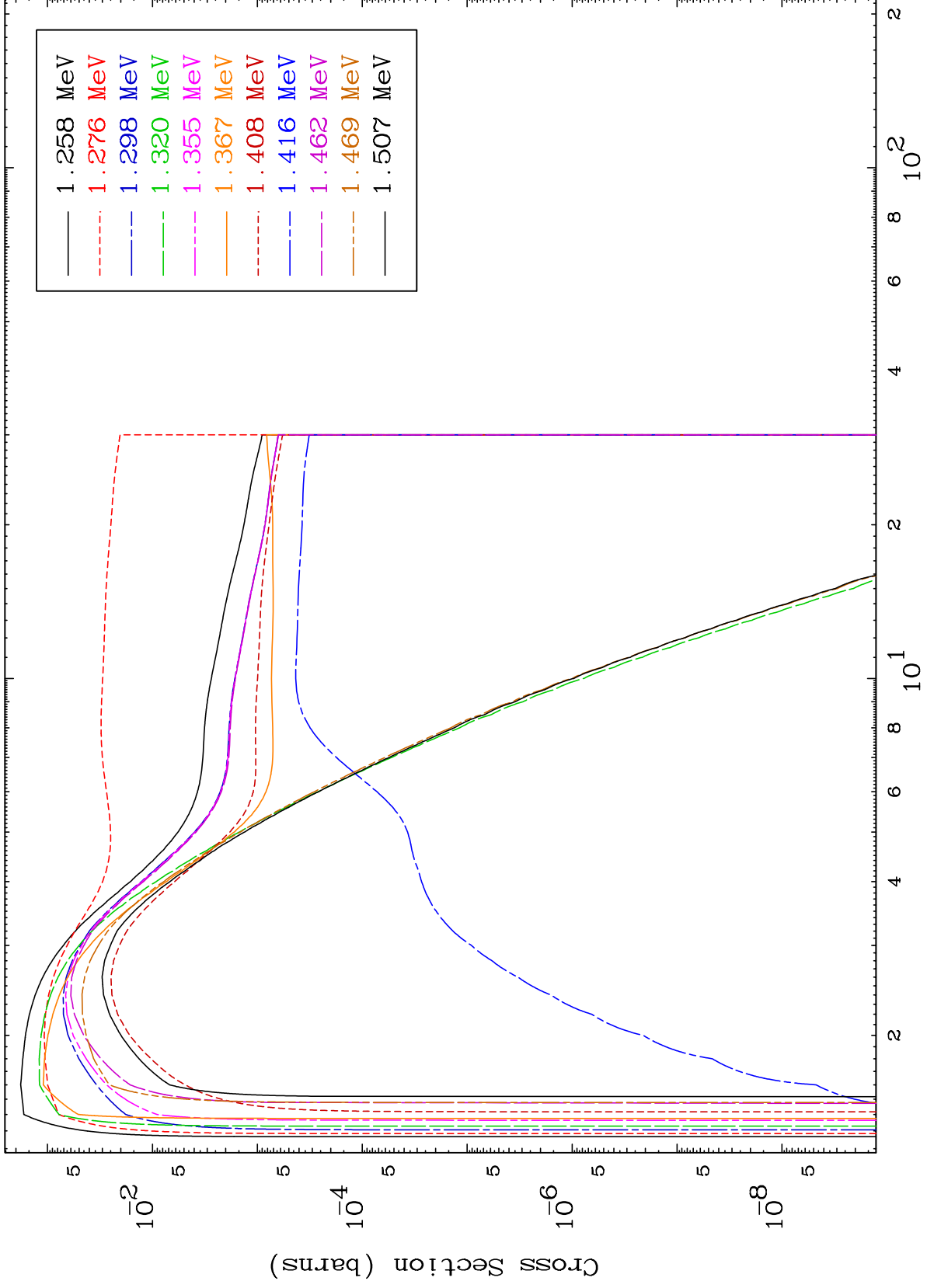
Incident Energy (MeV)

7

MAT 6437

(n,n') Level
293 Kelvin Cross Sections

64-Gd-156



8

Incident Energy (MeV)

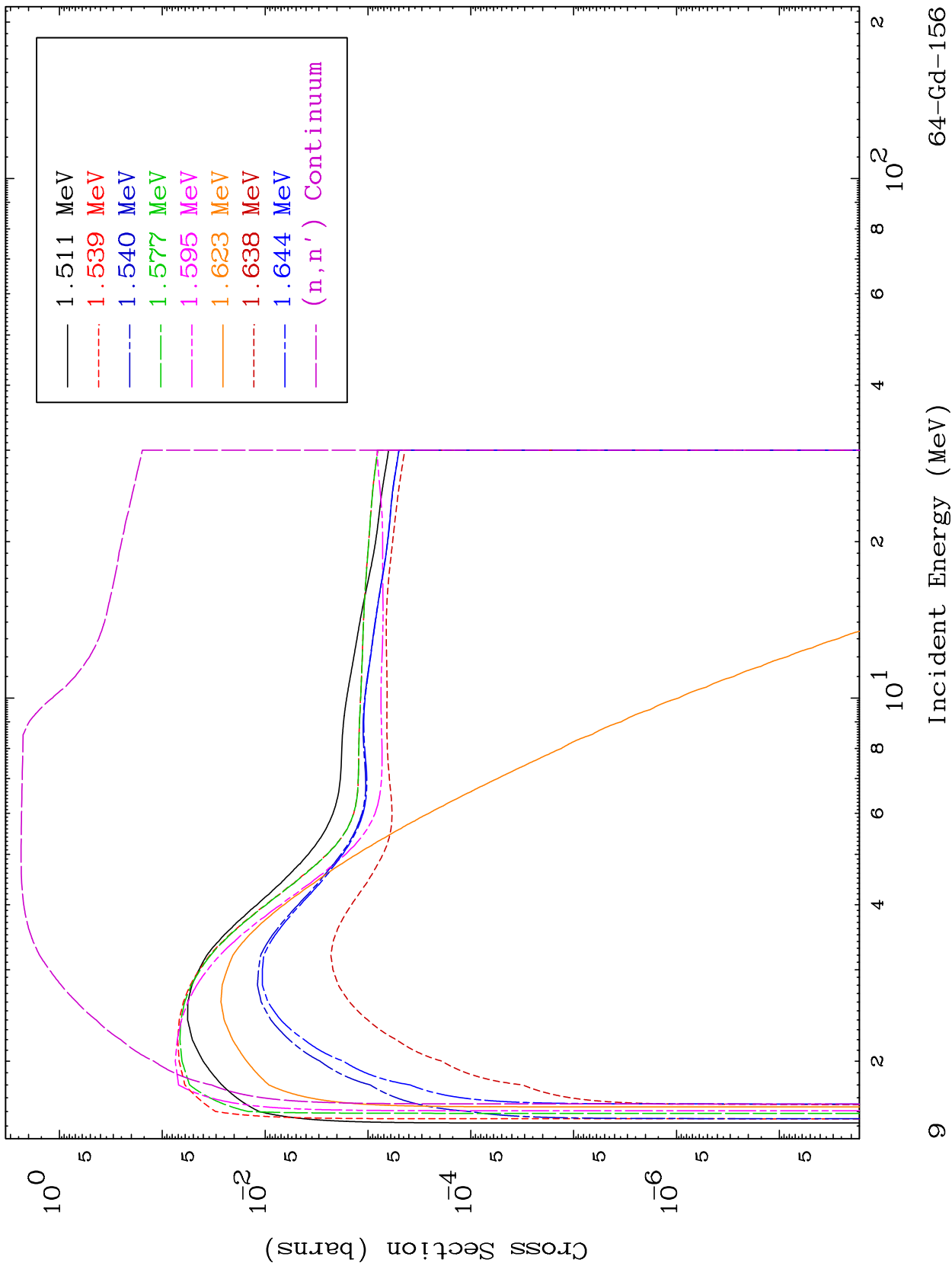
64-Gd-156

MAT 6437

(n,n') Level

64-Gd-156

293 Kelvin Cross Sections



9

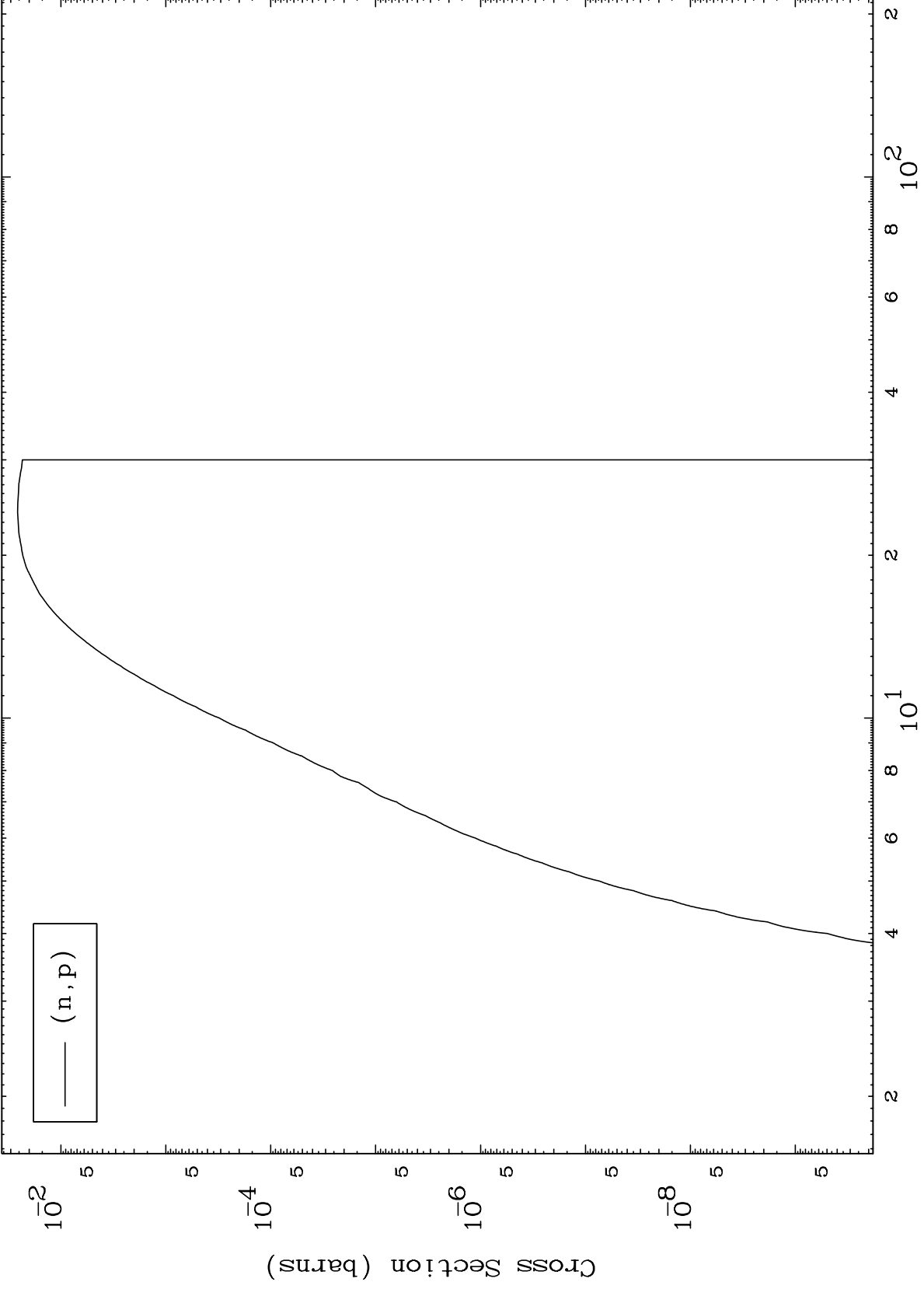
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-156



10

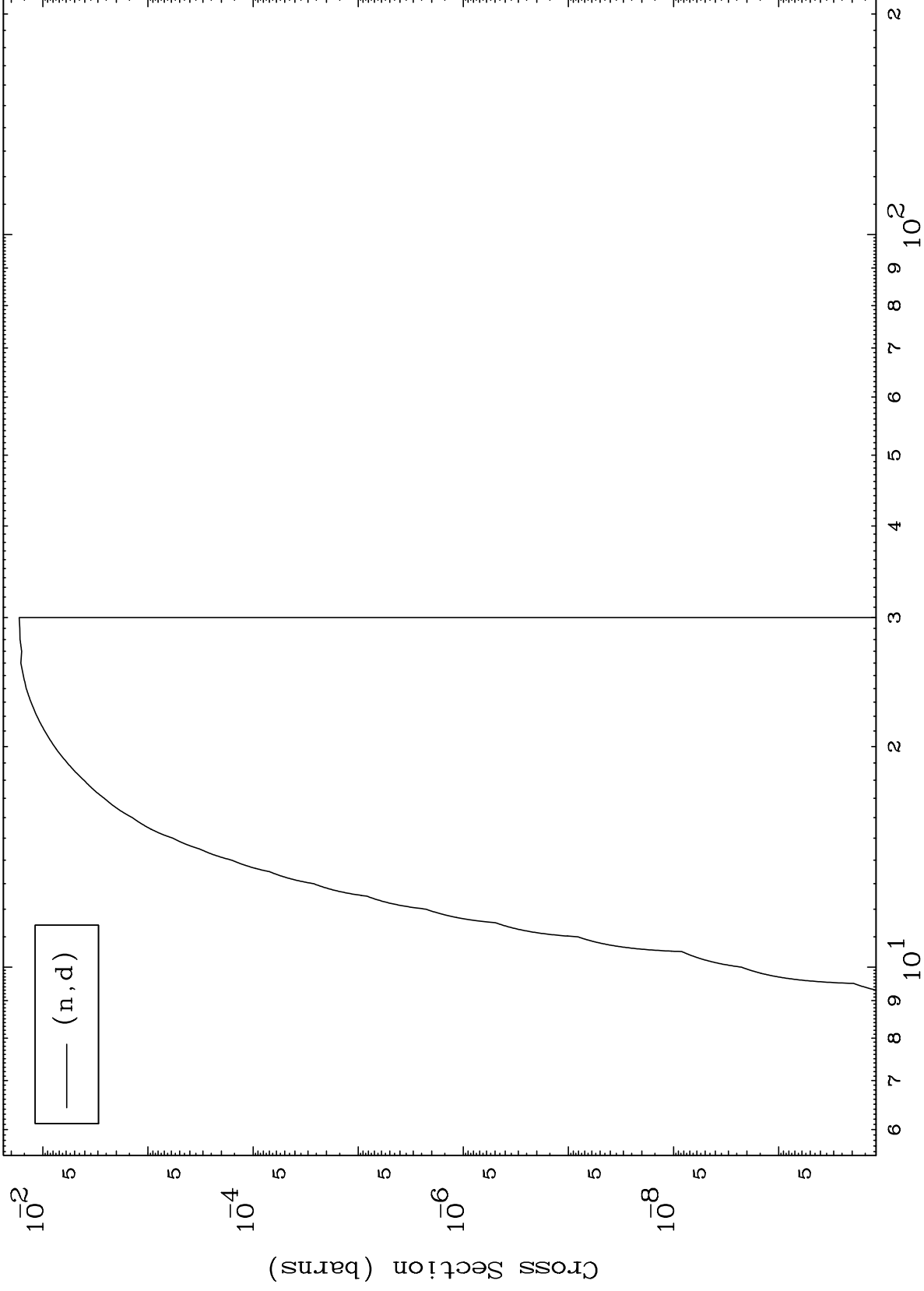
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-156



(n,d)

11

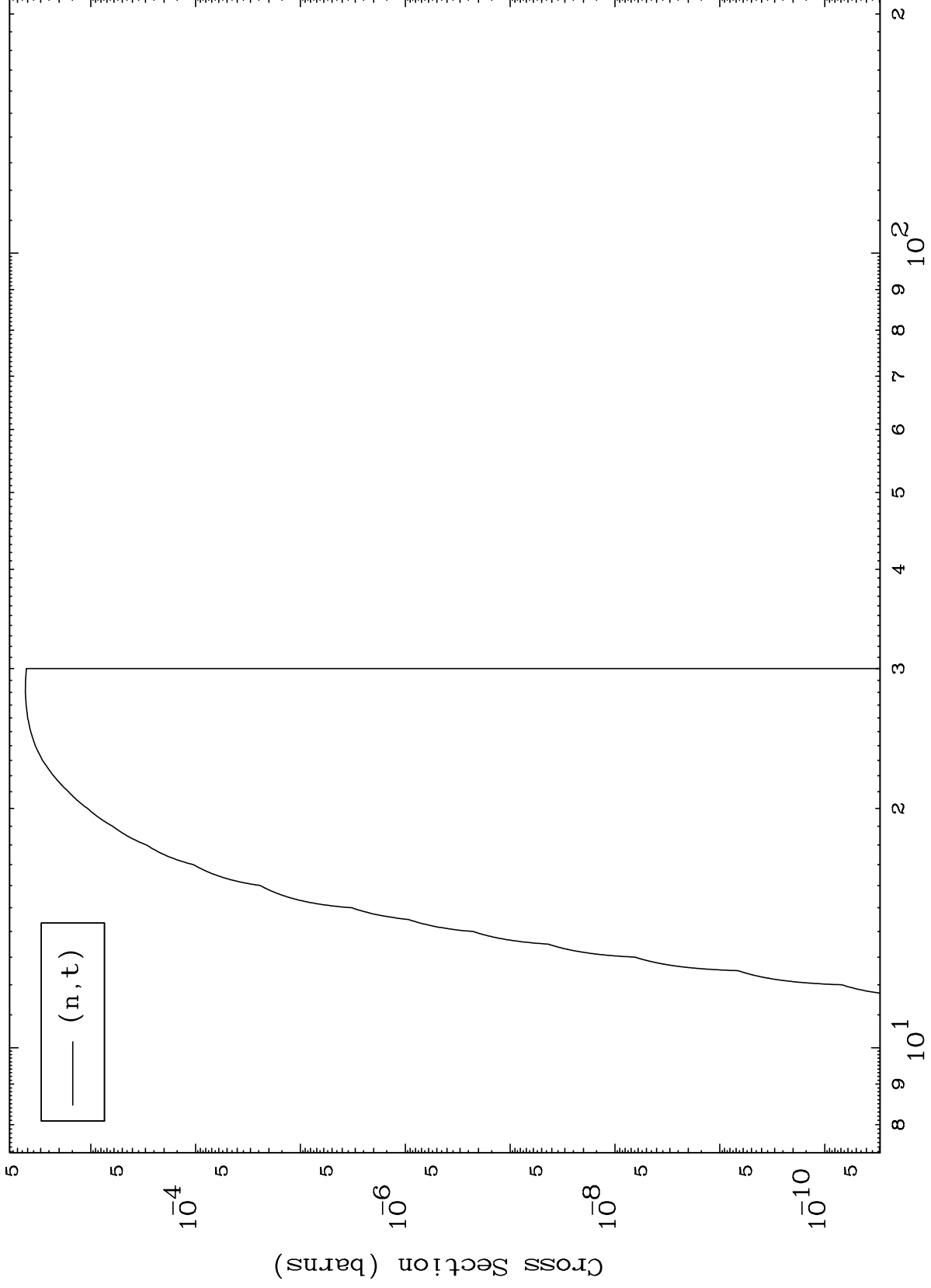
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64-Gd-156

MAT 6437

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-156



12

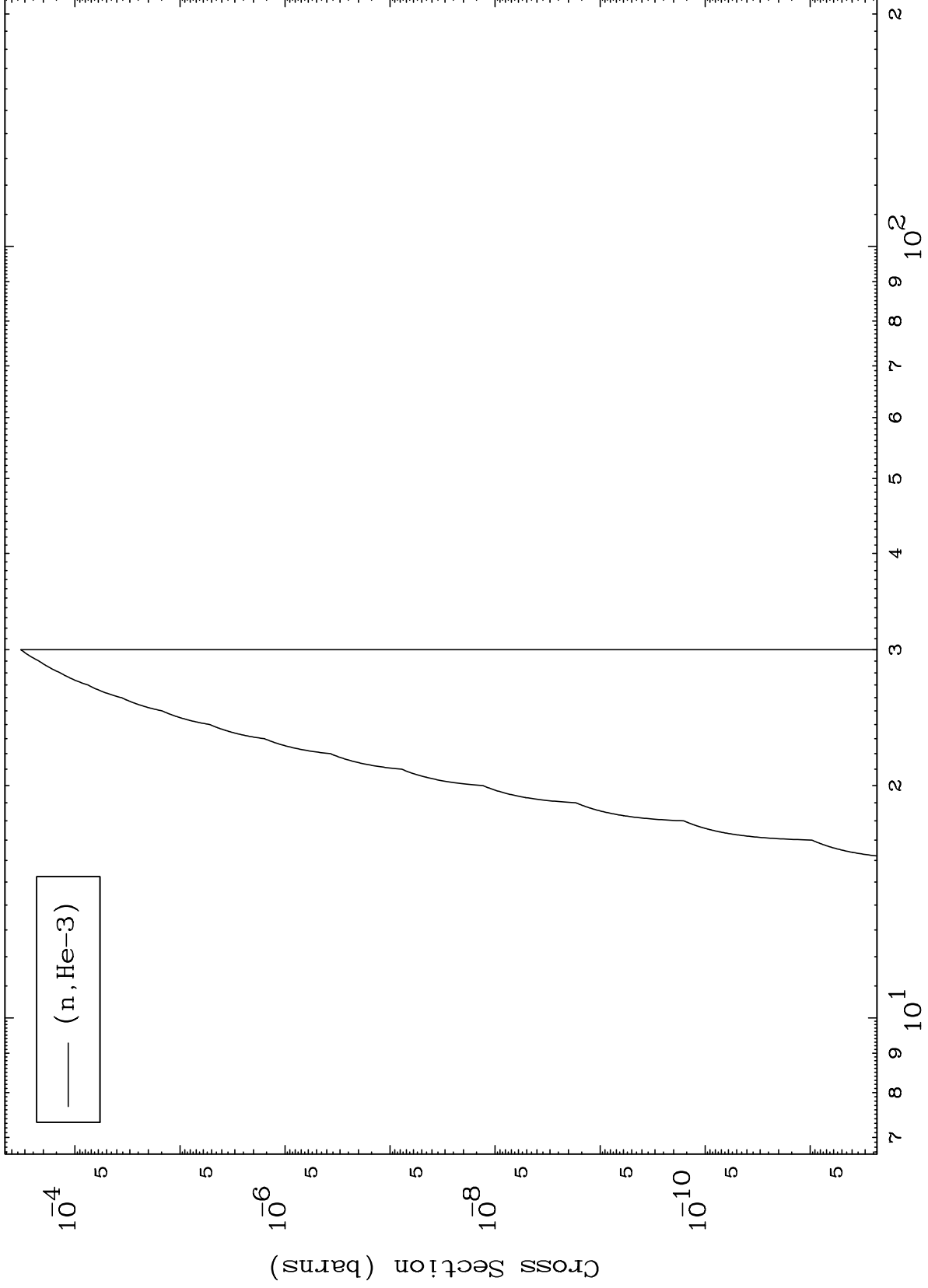
Incident Energy (MeV)

64-Gd-156

MAT 6437

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-156



13

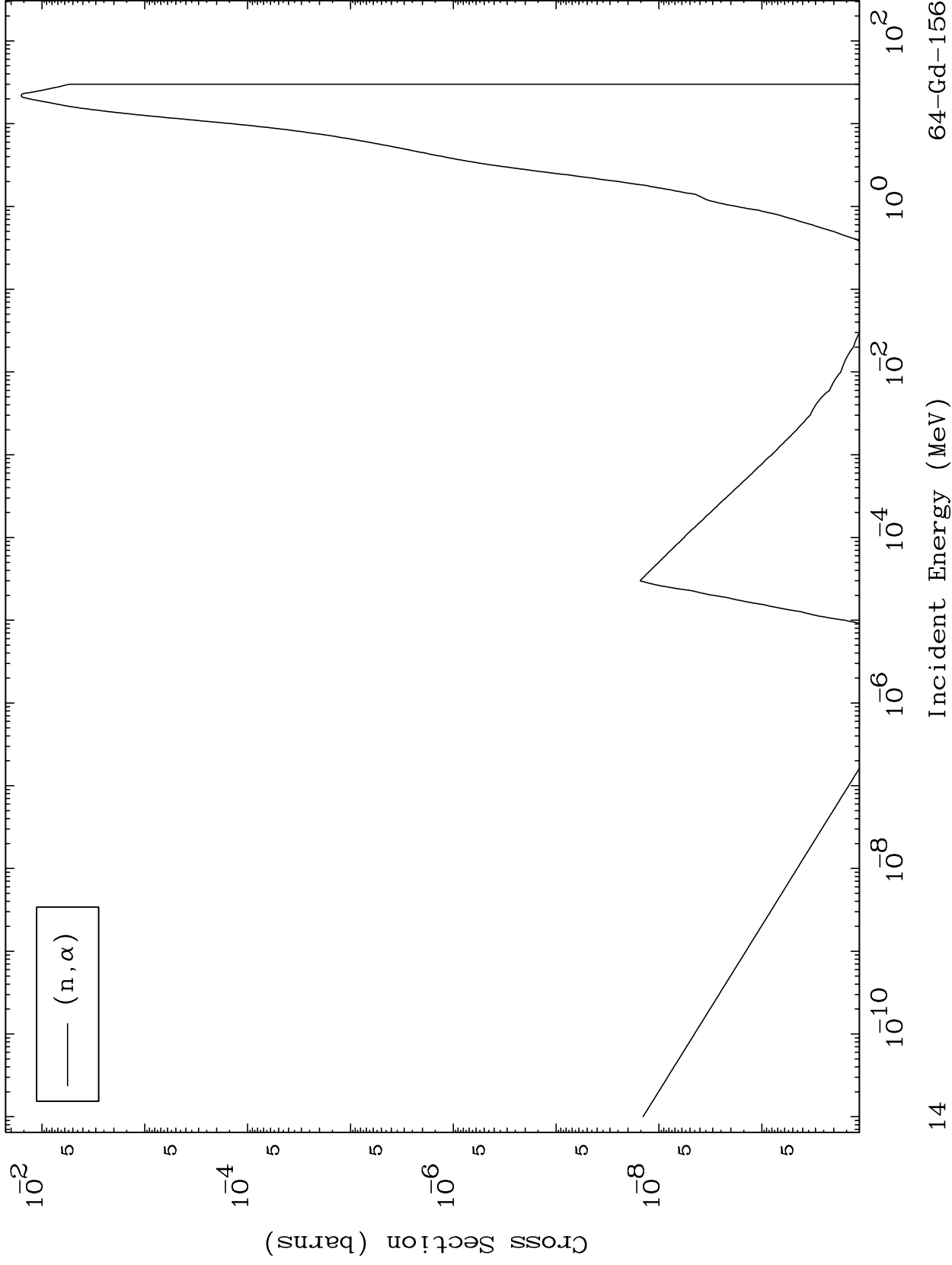
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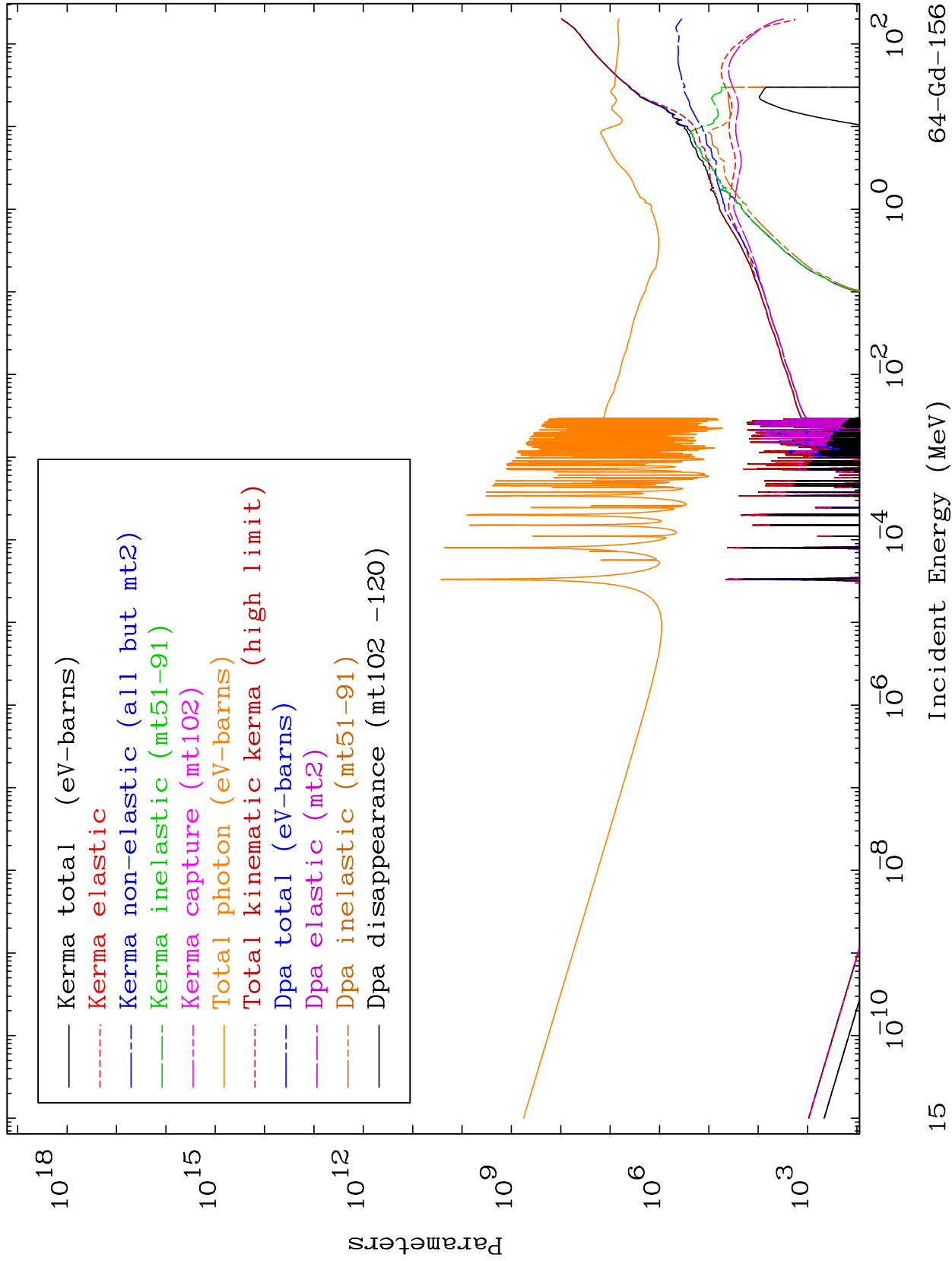
64-Gd-156

MAT 6437

(n, α) Levels
293 Kelvin Cross Sections

64-Gd-156

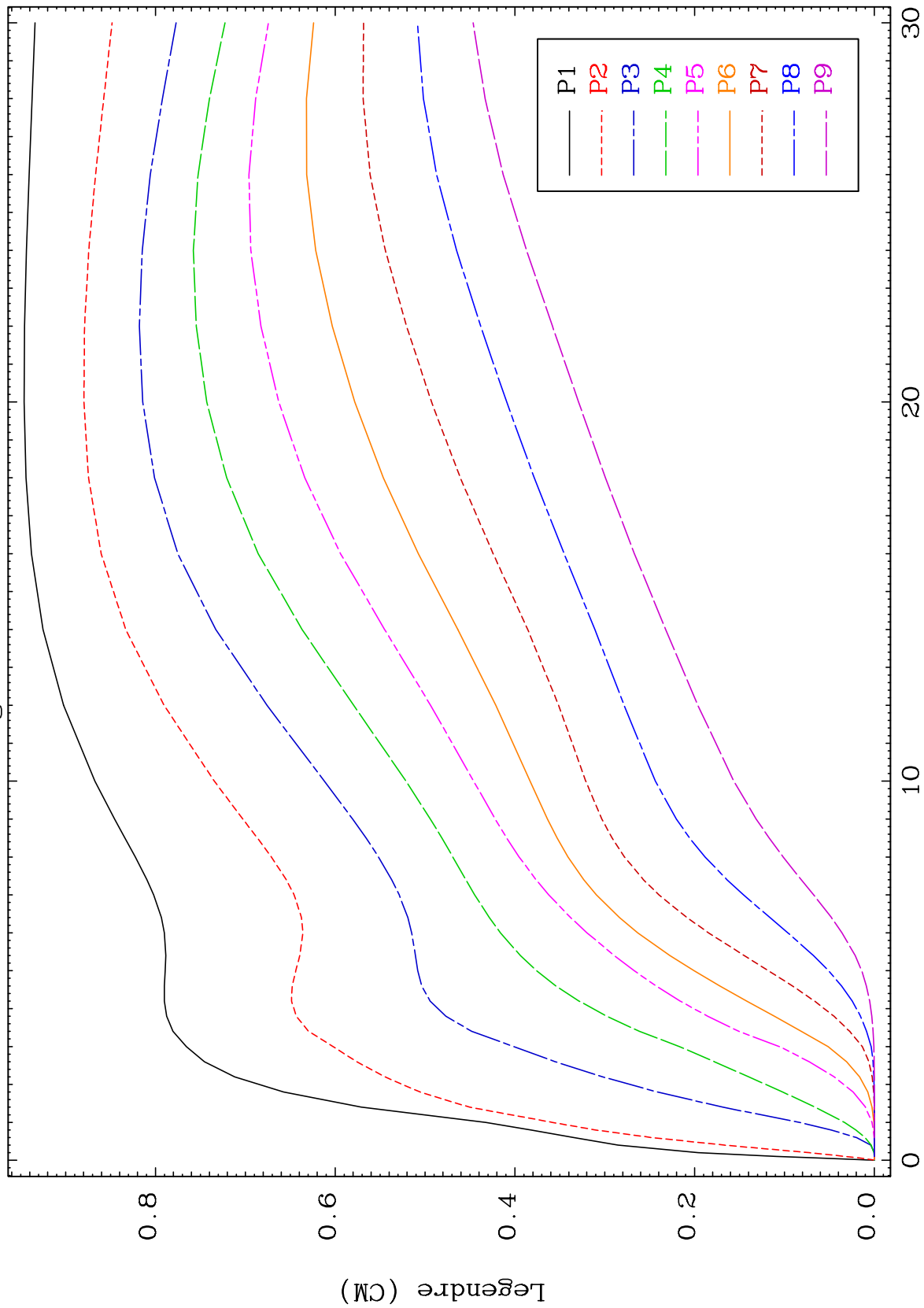




MAT 6437

Elastic Legendre Coefficients

64-Gd-156



16

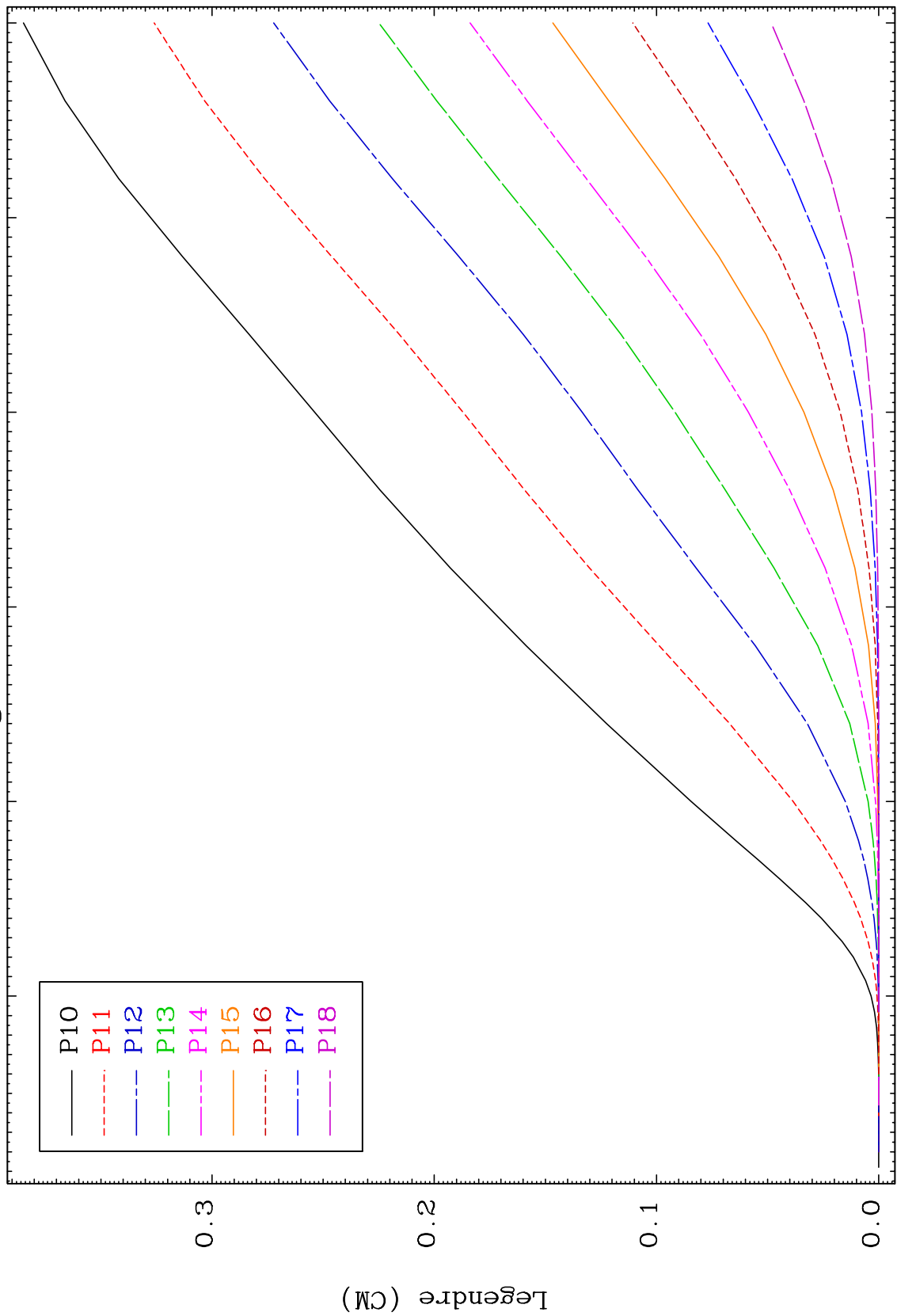
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



17

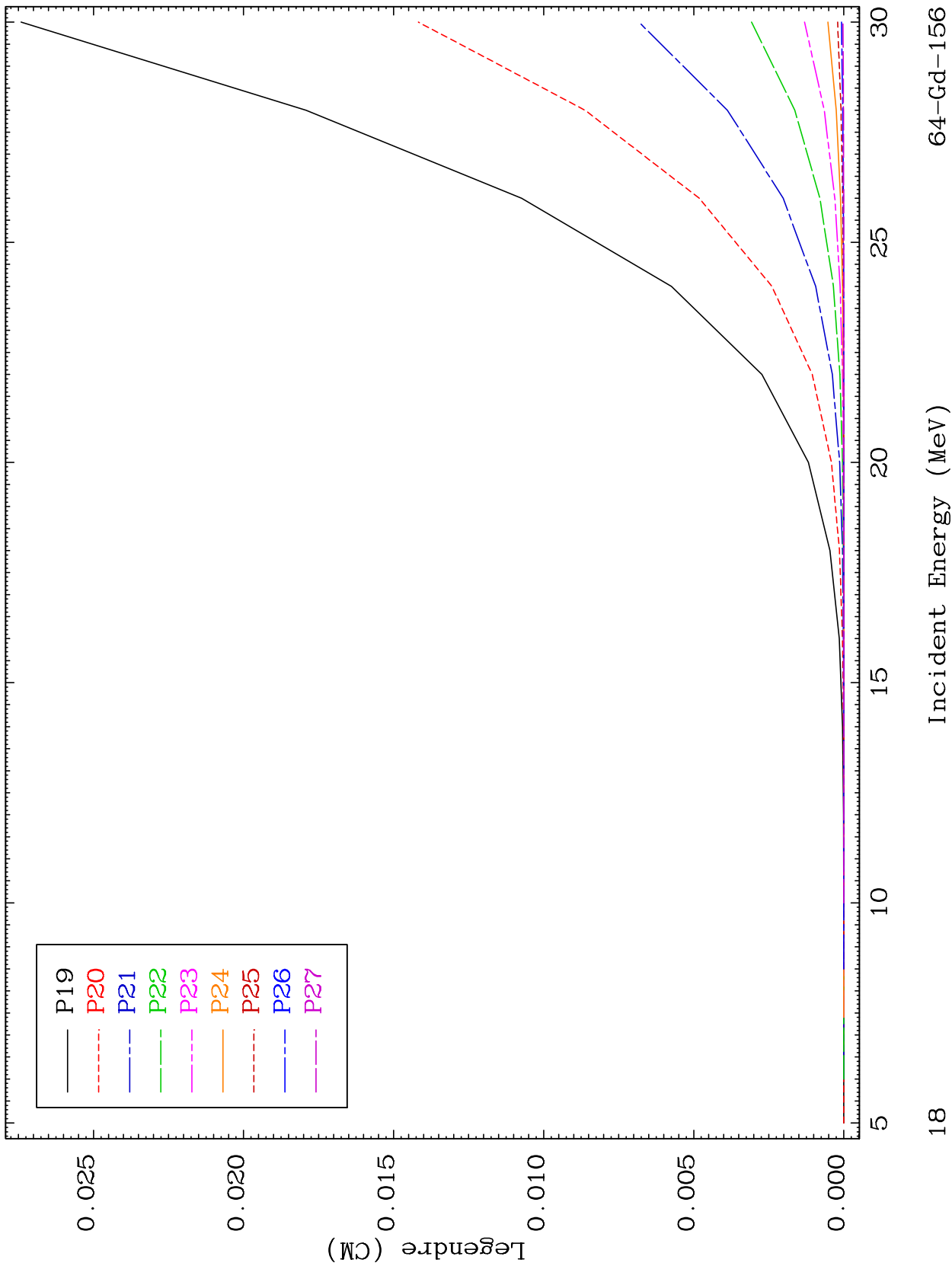
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



18

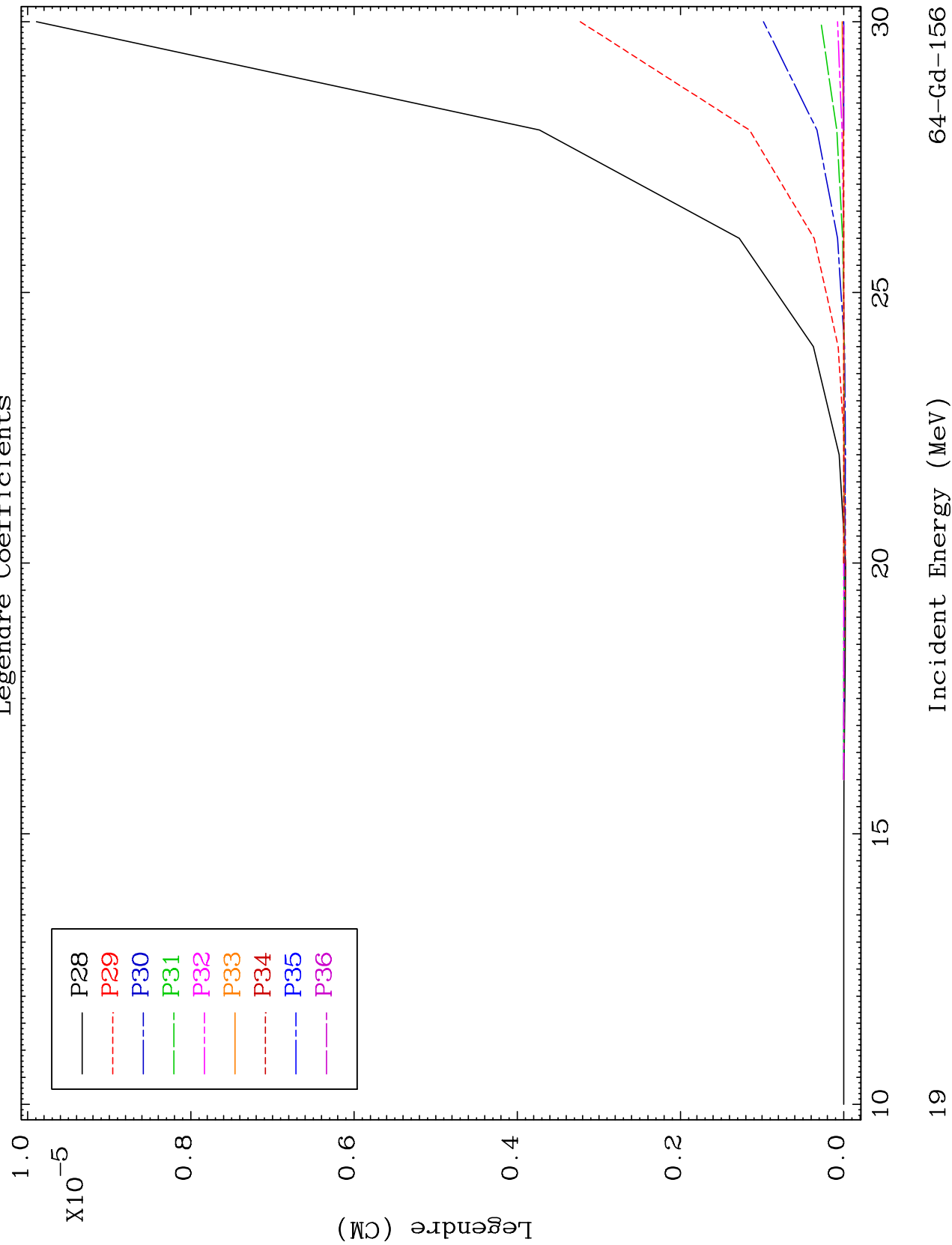
Incident Energy (MeV)

64-Gd-156

MAT 6437

Elastic Legendre Coefficients

64-Gd-156



19

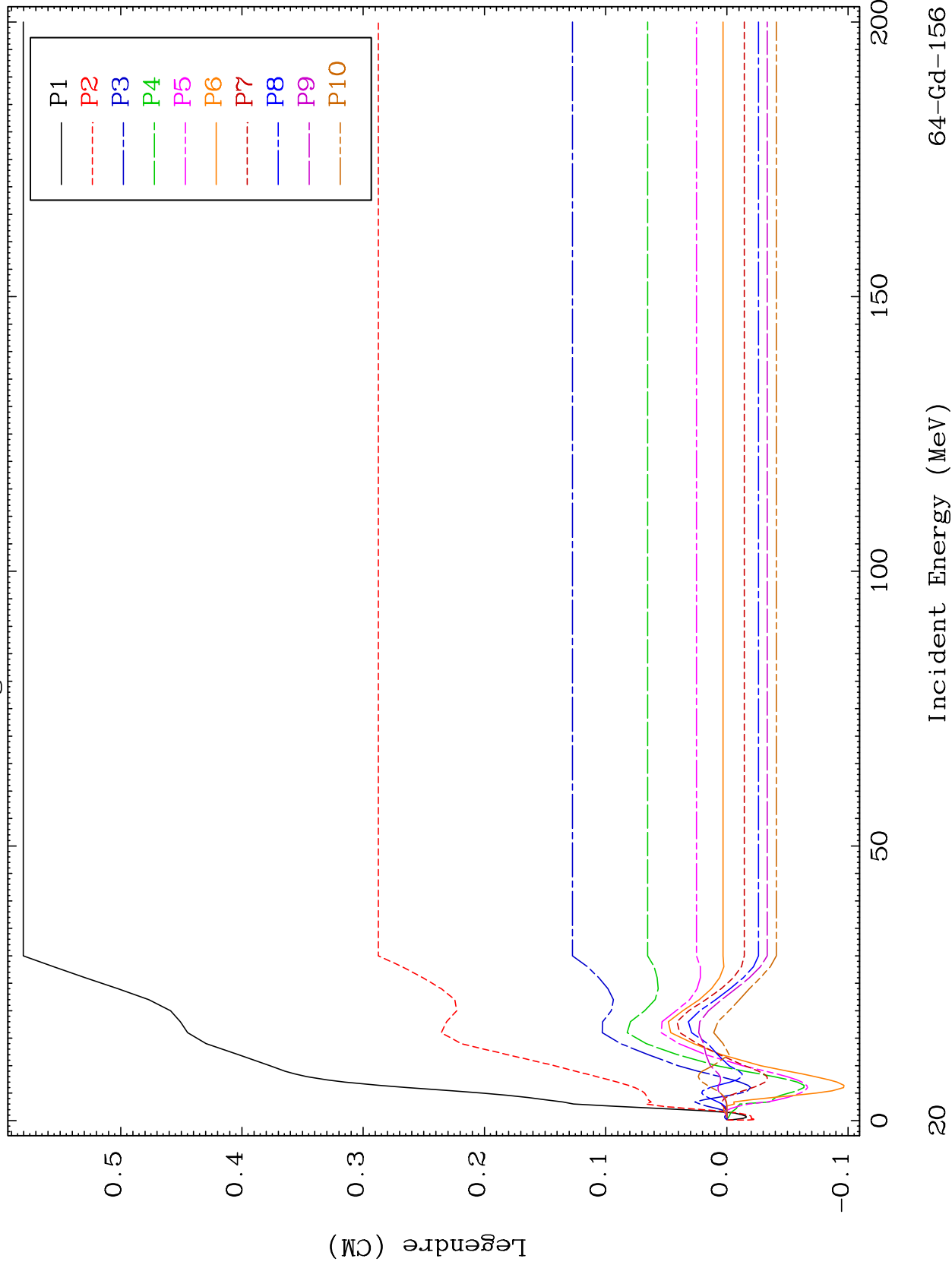
Incident Energy (MeV)

64-Gd-156

MAT 6437

88.97 keV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

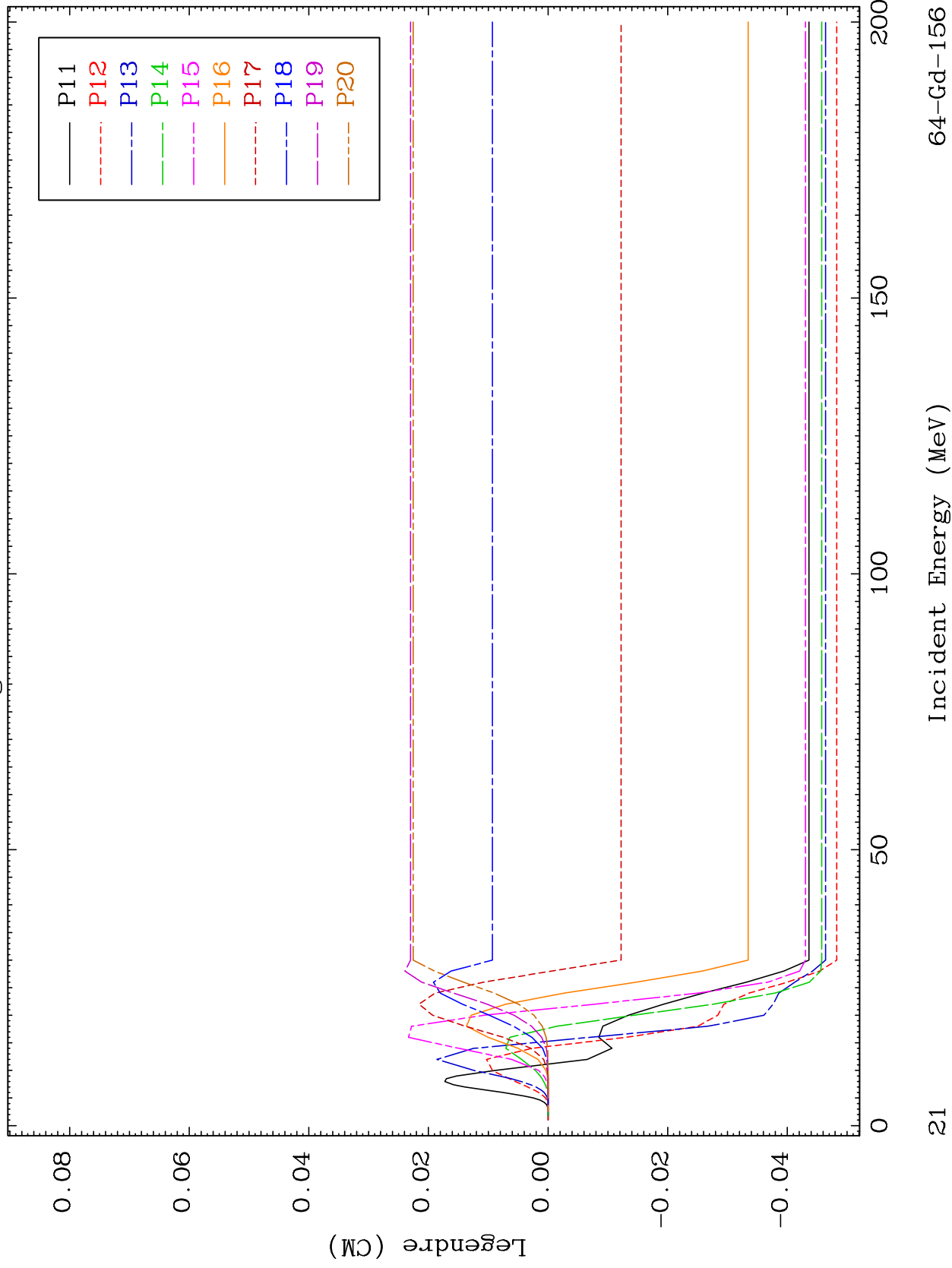
Incident Energy (MeV)

20

MAT 6437

88.97 keV (n,n') Level
Legendre Coefficients

64-Gd-156



21

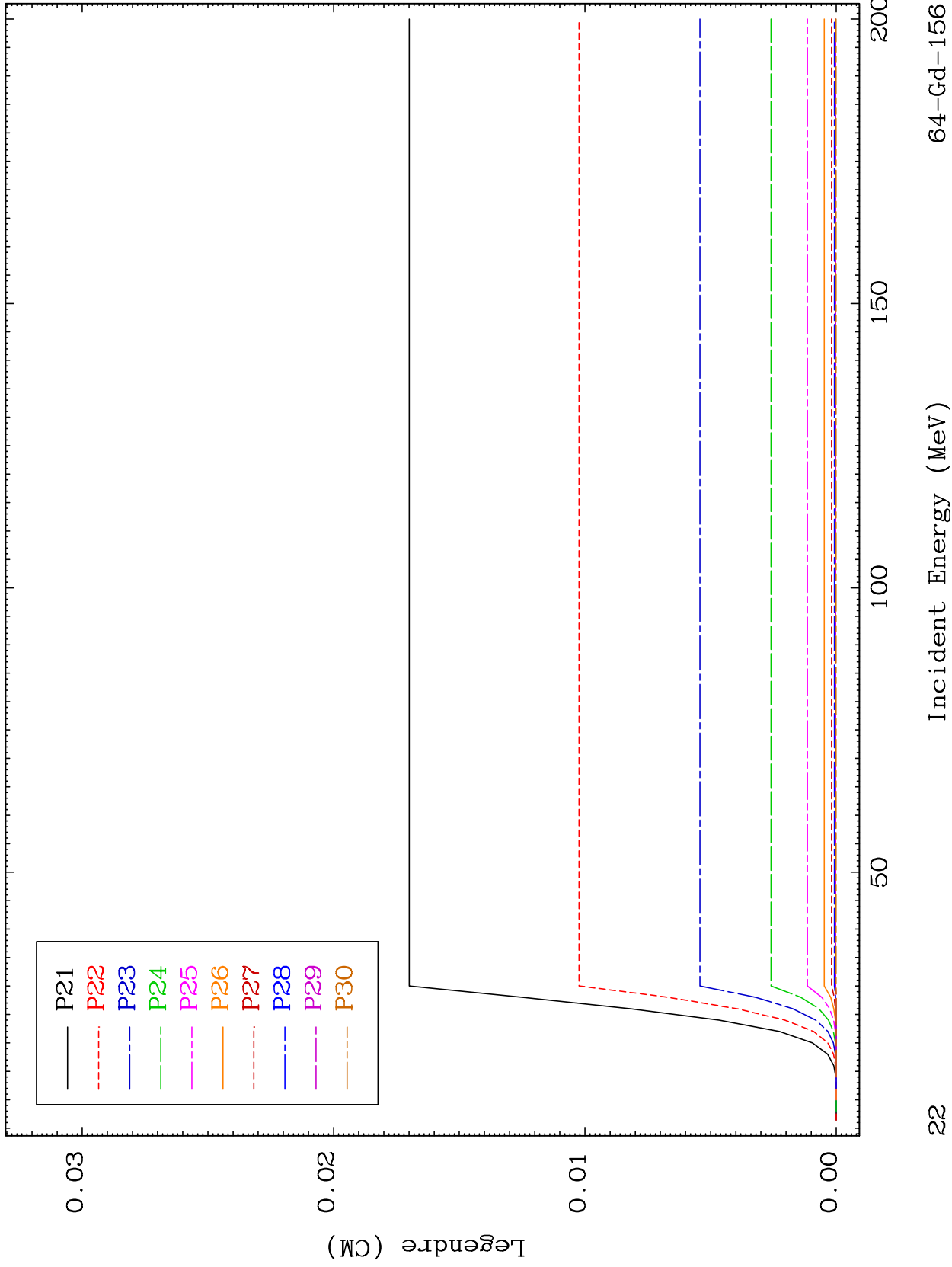
Incident Energy (MeV)

64-Gd-156

MAT 6437

88.97 keV (n,n') Level
Legendre Coefficients

64-Gd-156

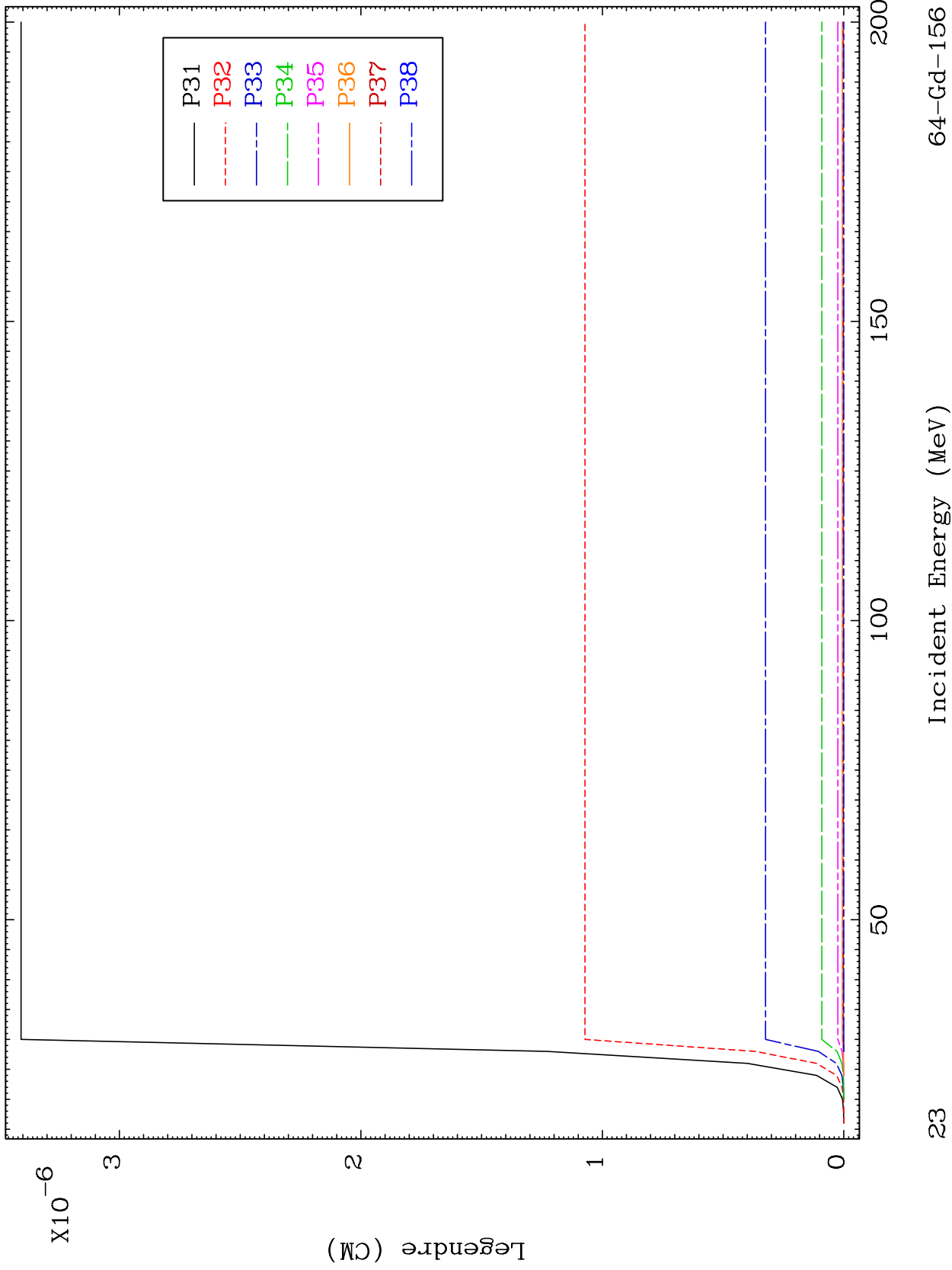


22

MAT 6437

88.97 keV (n,n') Level
Legendre Coefficients

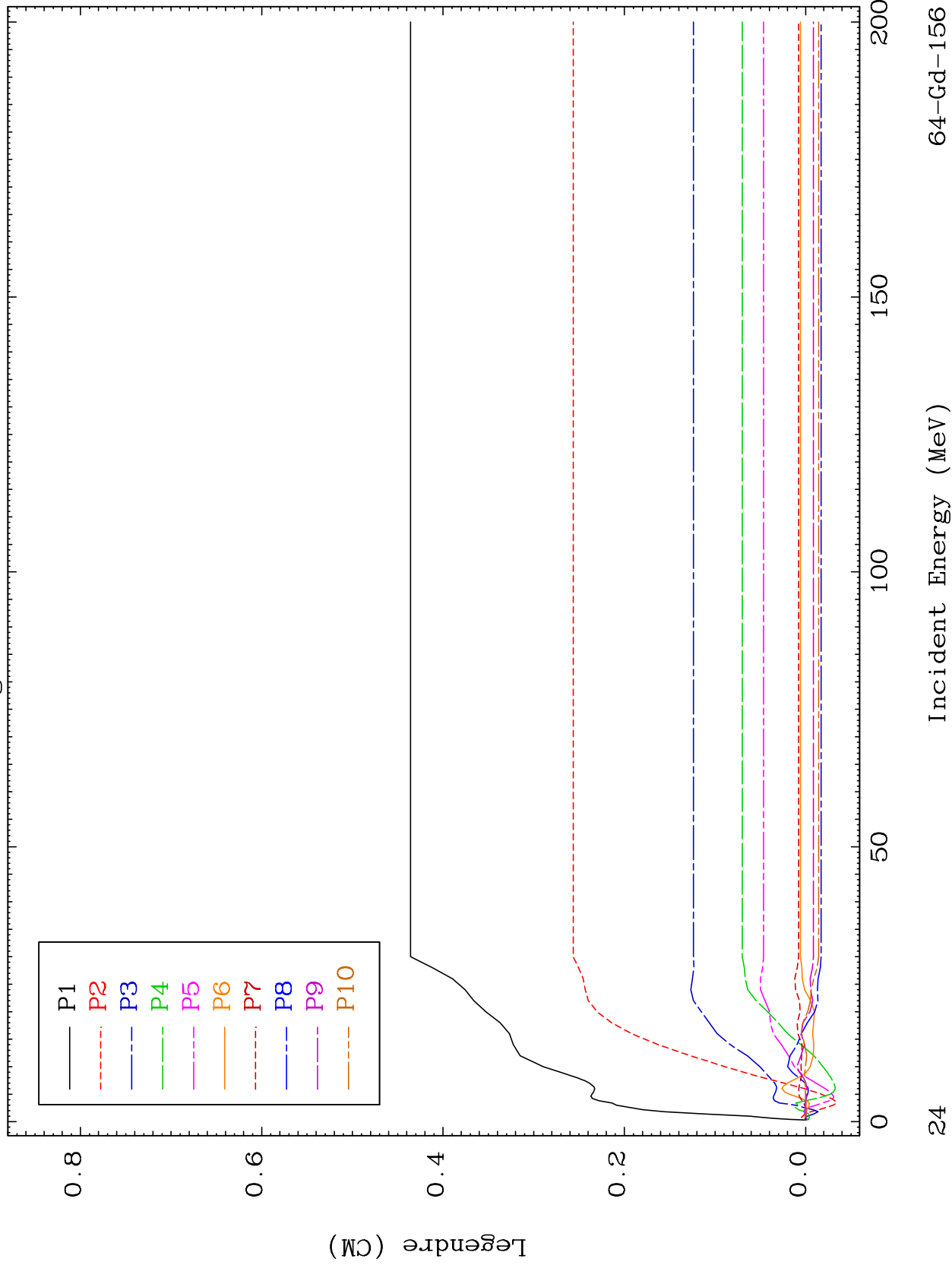
64-Gd-156



MAT 6437

288.2 keV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

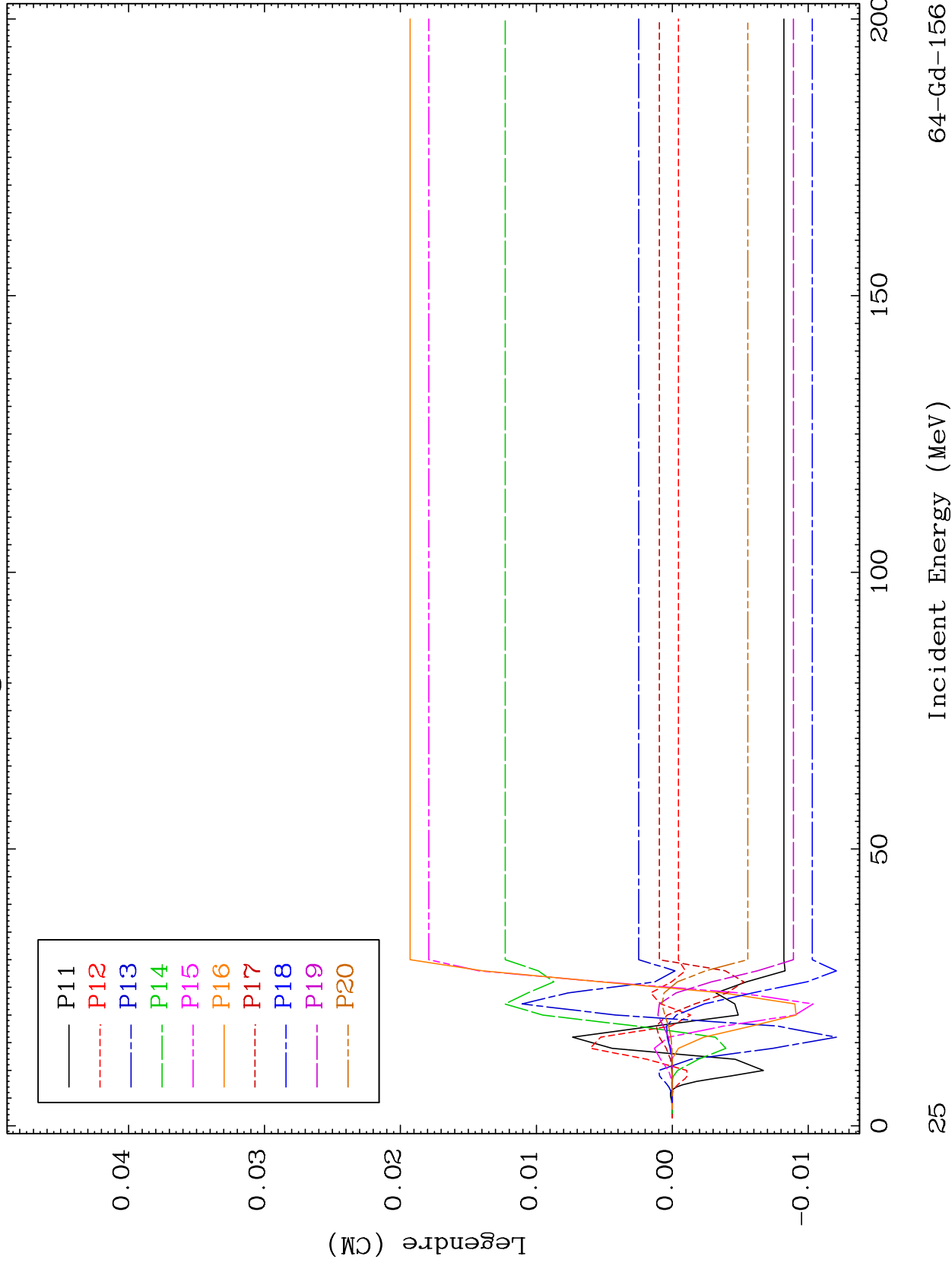
Incident Energy (MeV)

24

MAT 6437

288.2 keV (n,n') Level
Legendre Coefficients

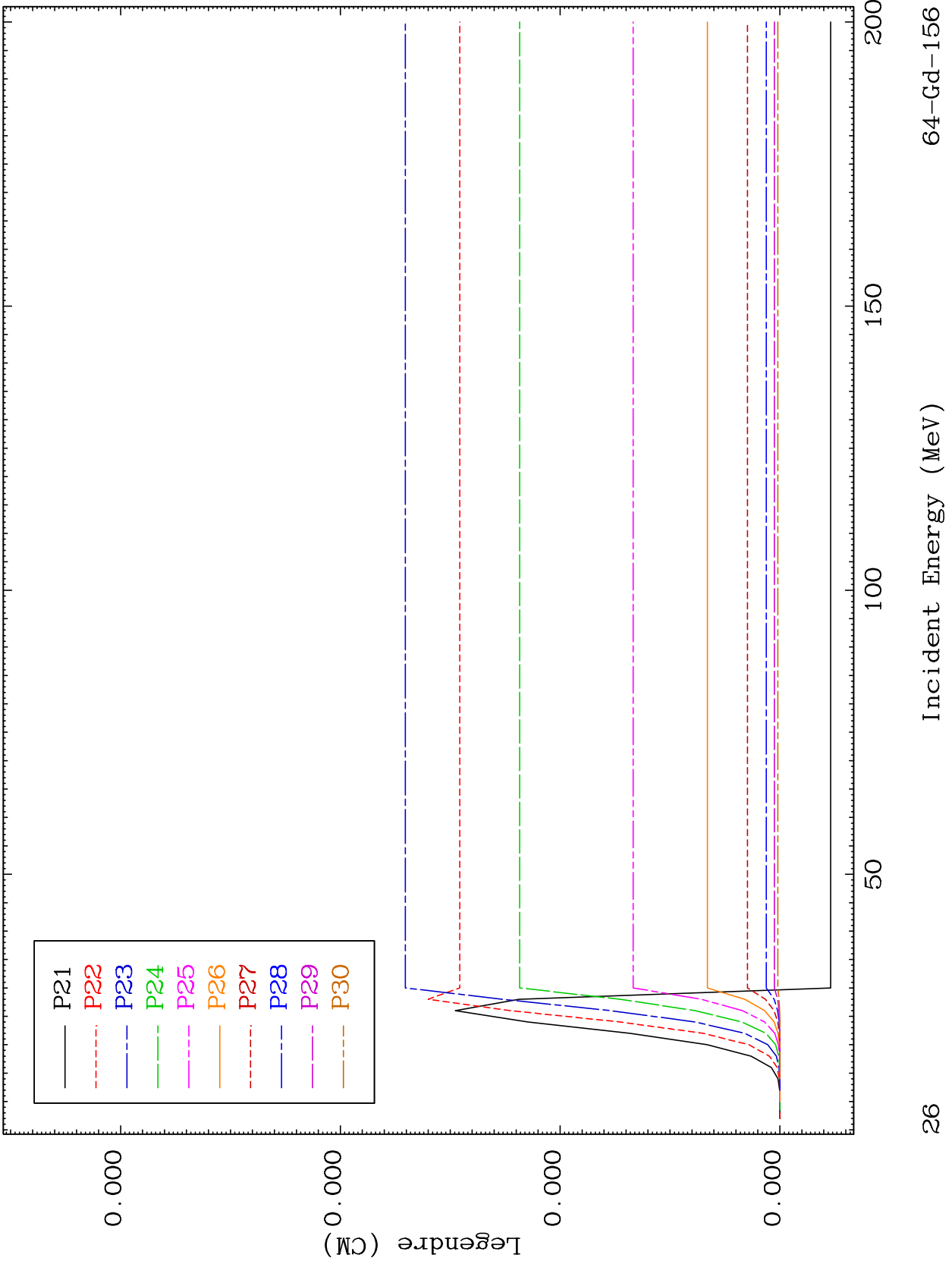
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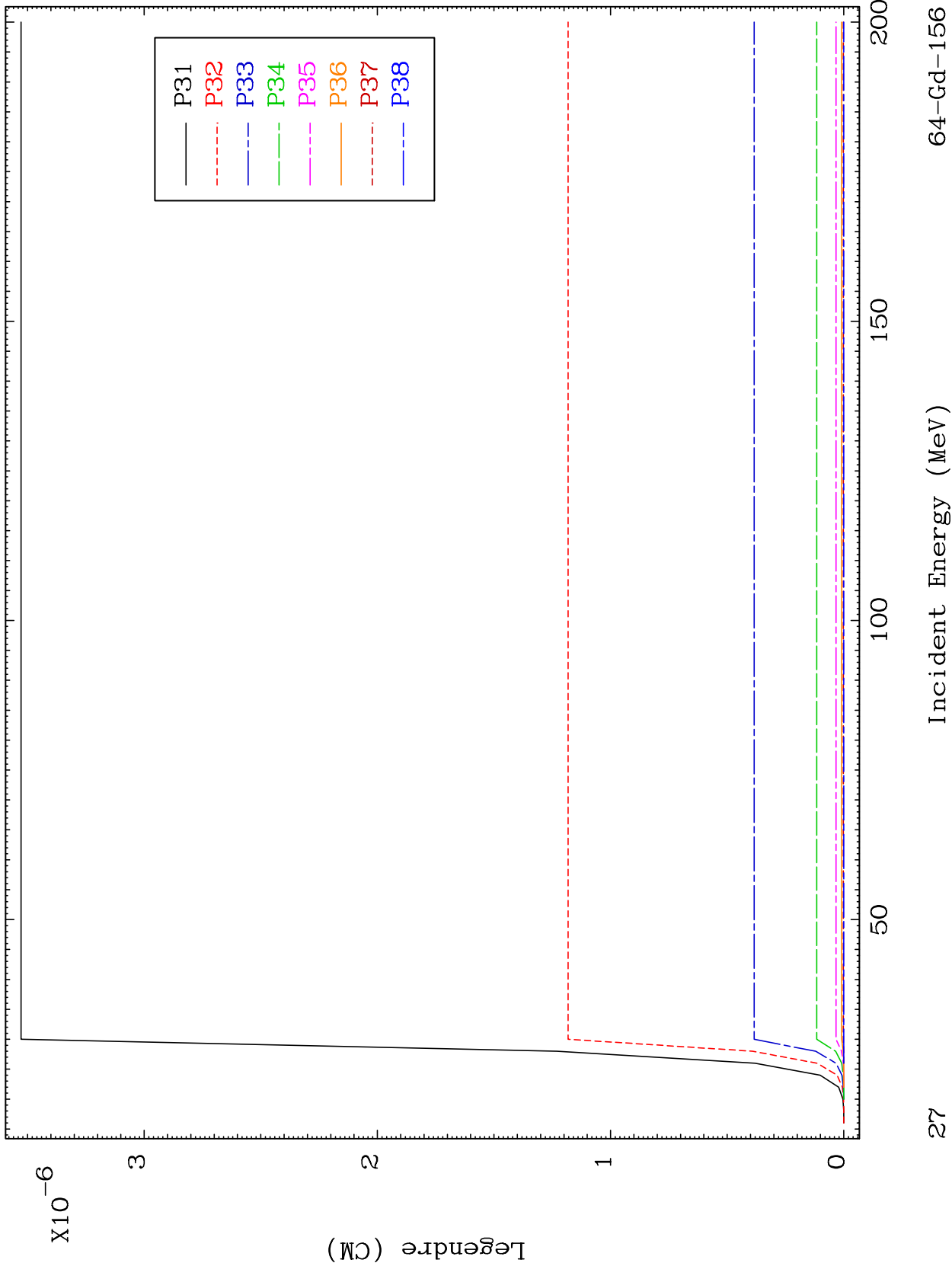


64-Gd-156

Incident Energy (MeV)

25

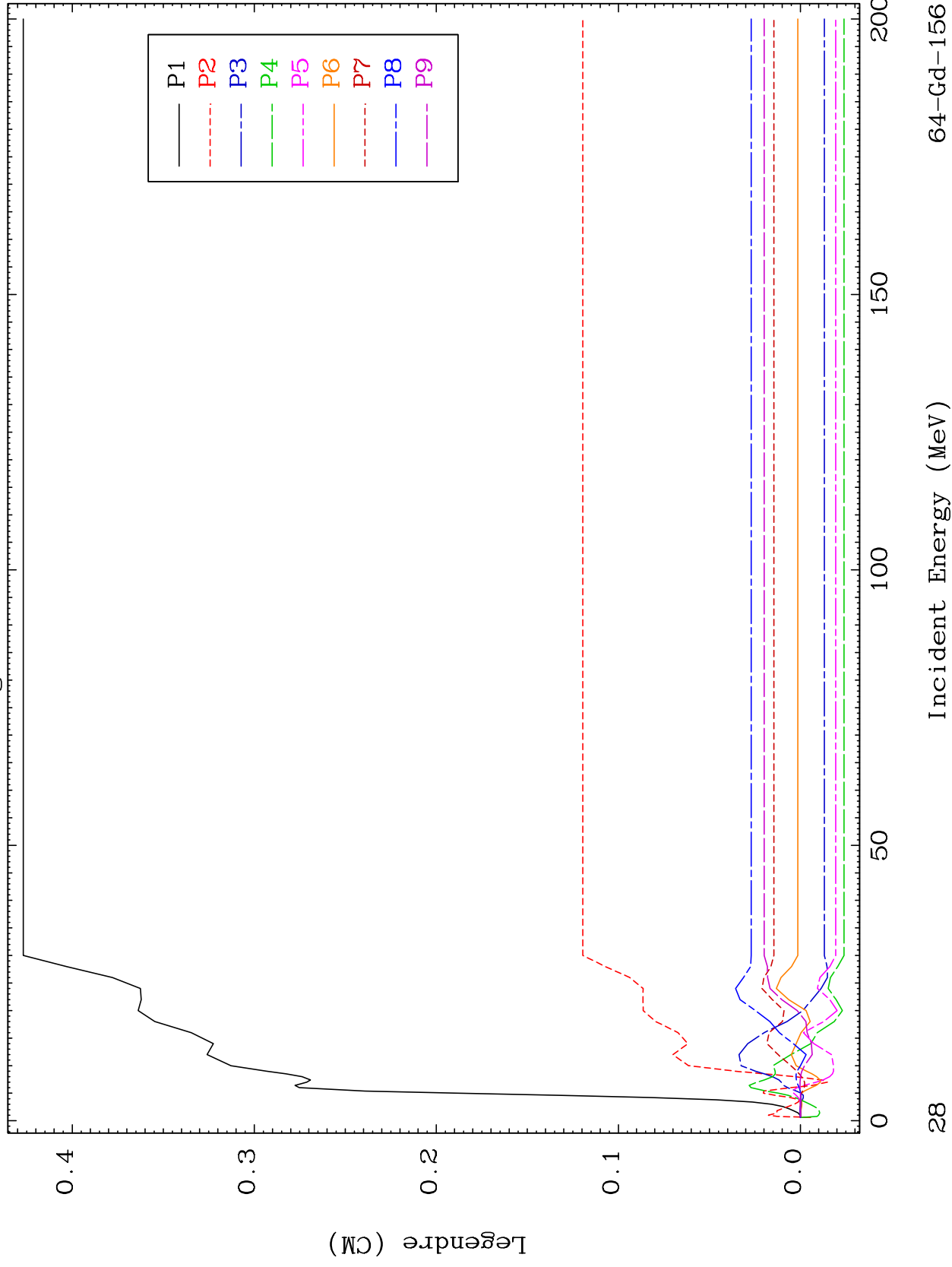




MAT 6437

584.7 keV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

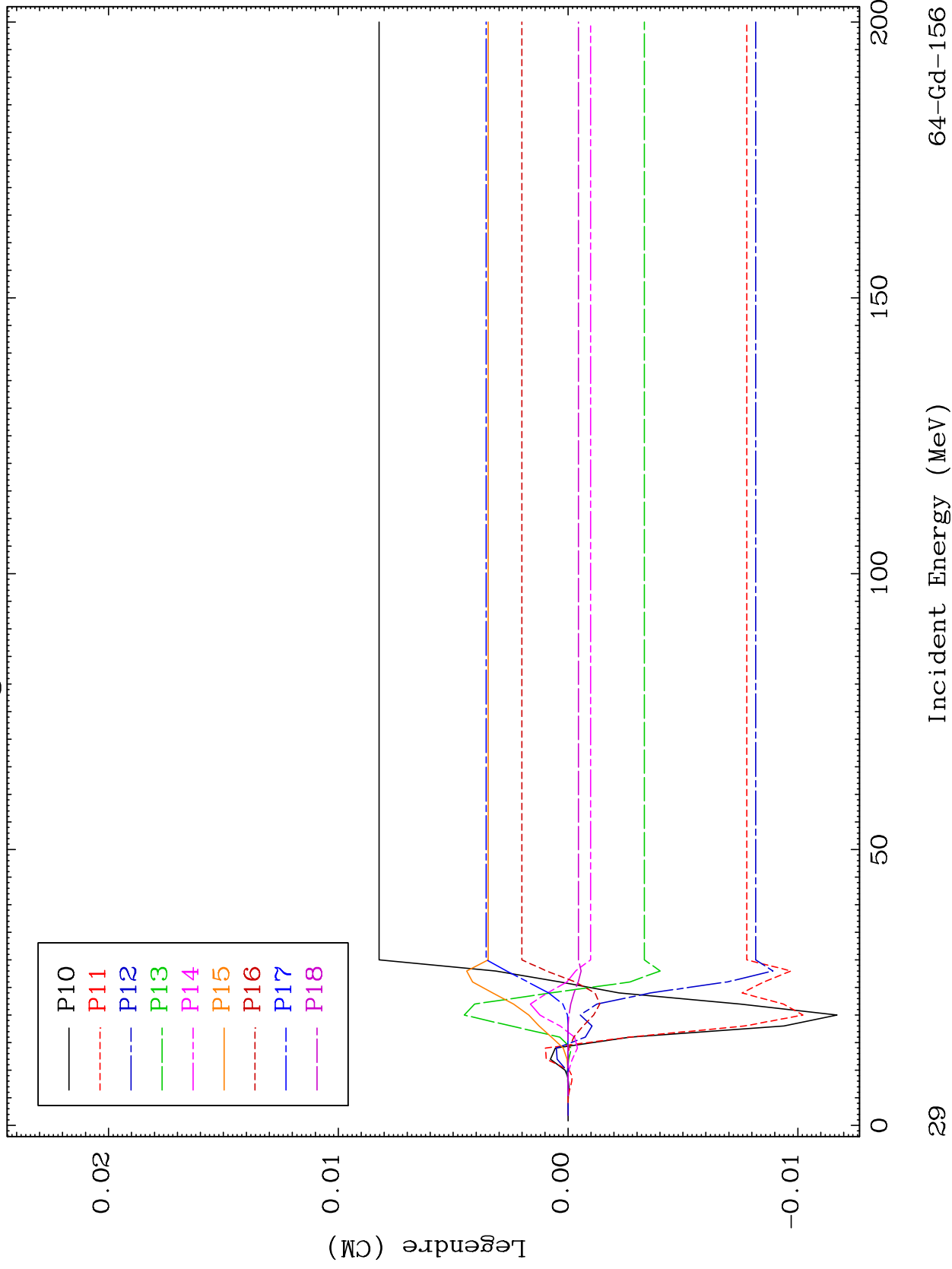
Incident Energy (MeV)

28

MAT 6437

584.7 keV (n,n') Level
Legendre Coefficients

64-Gd-156



29

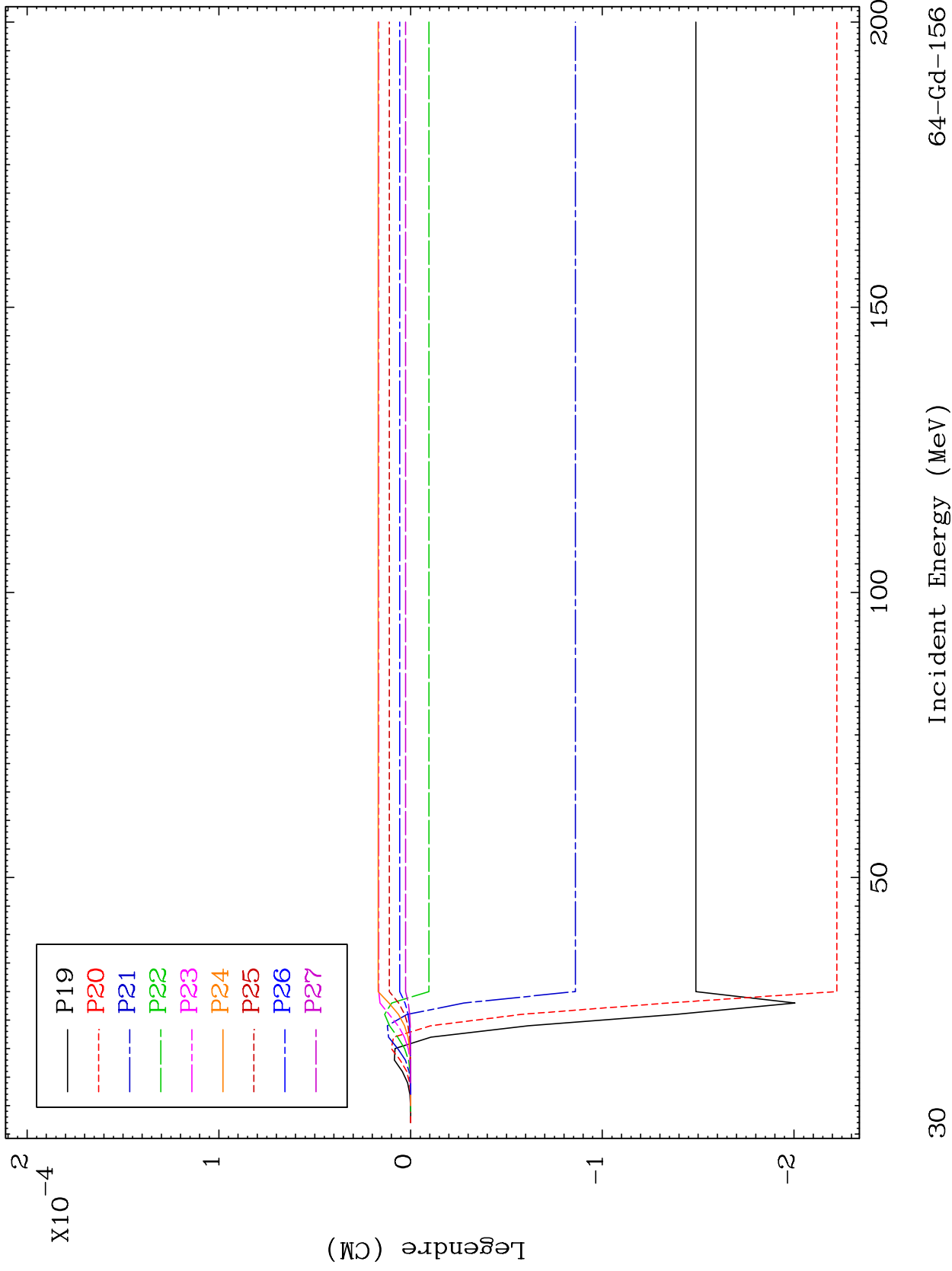
Incident Energy (MeV)

64-Gd-156

MAT 6437

584.7 keV (n,n') Level
Legendre Coefficients

64-Gd-156



30

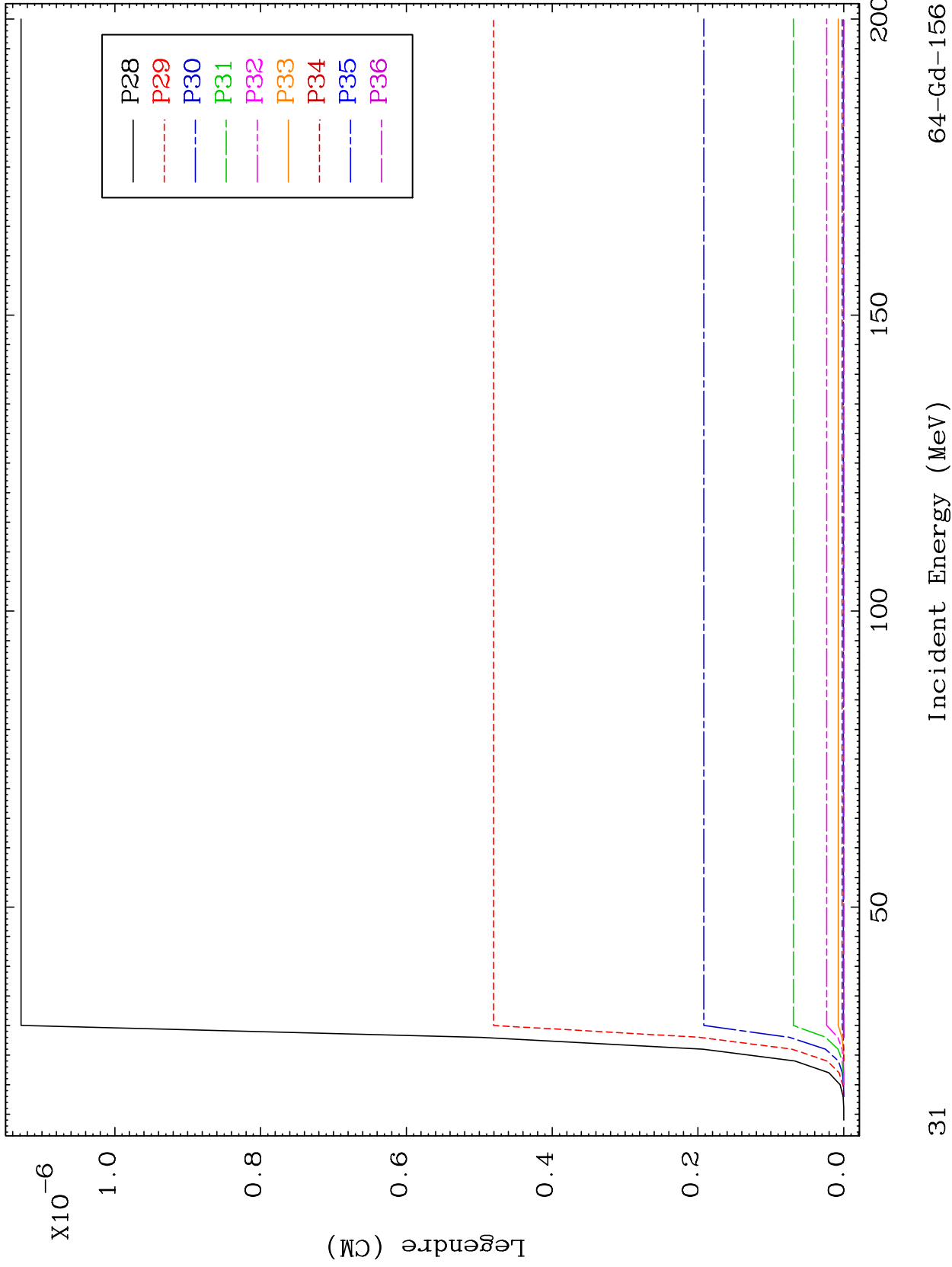
Incident Energy (MeV)

64-Gd-156

MAT 6437

584.7 keV (n,n') Level
Legendre Coefficients

64-Gd-156

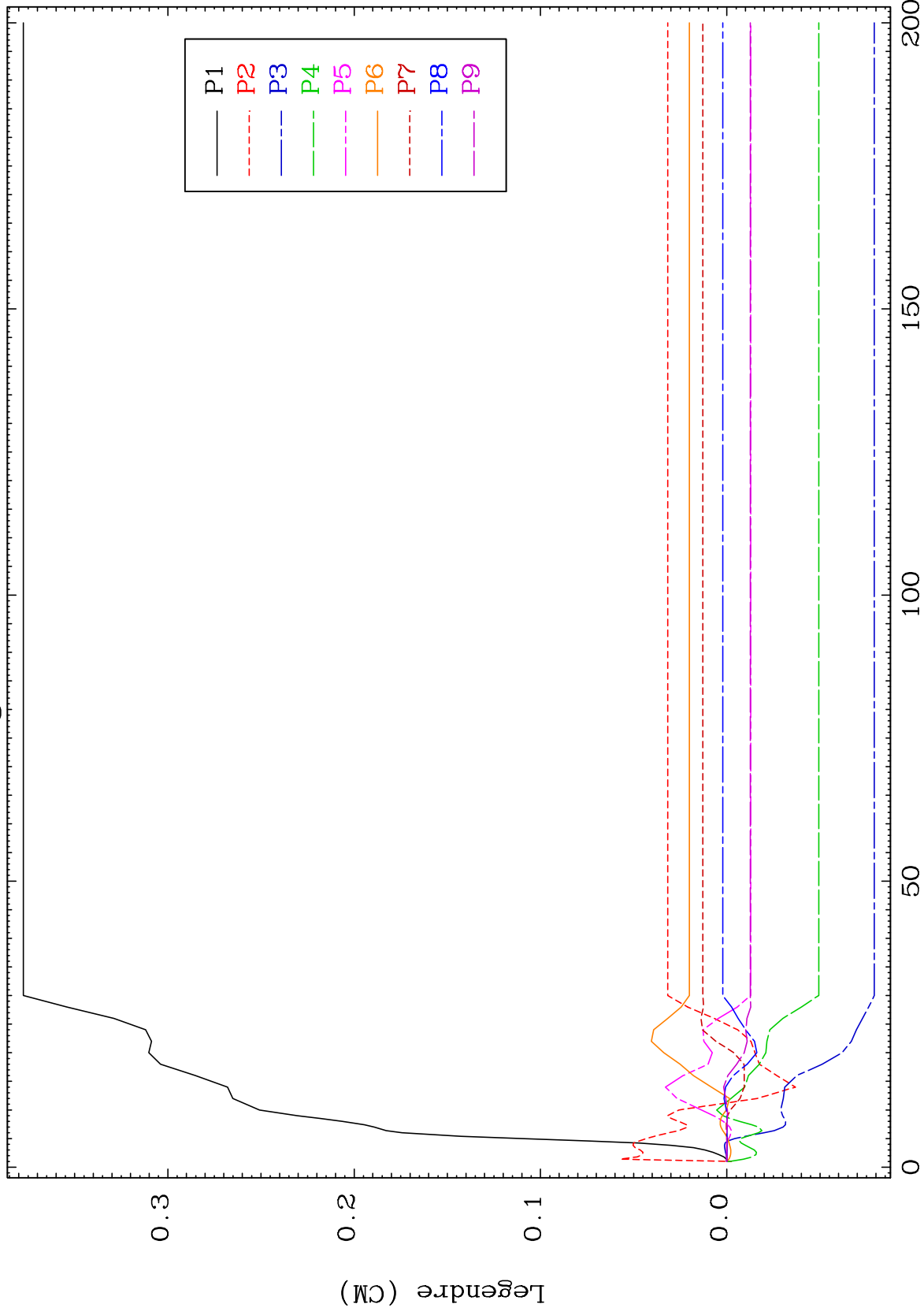


31

MAT 6437

965.1 keV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

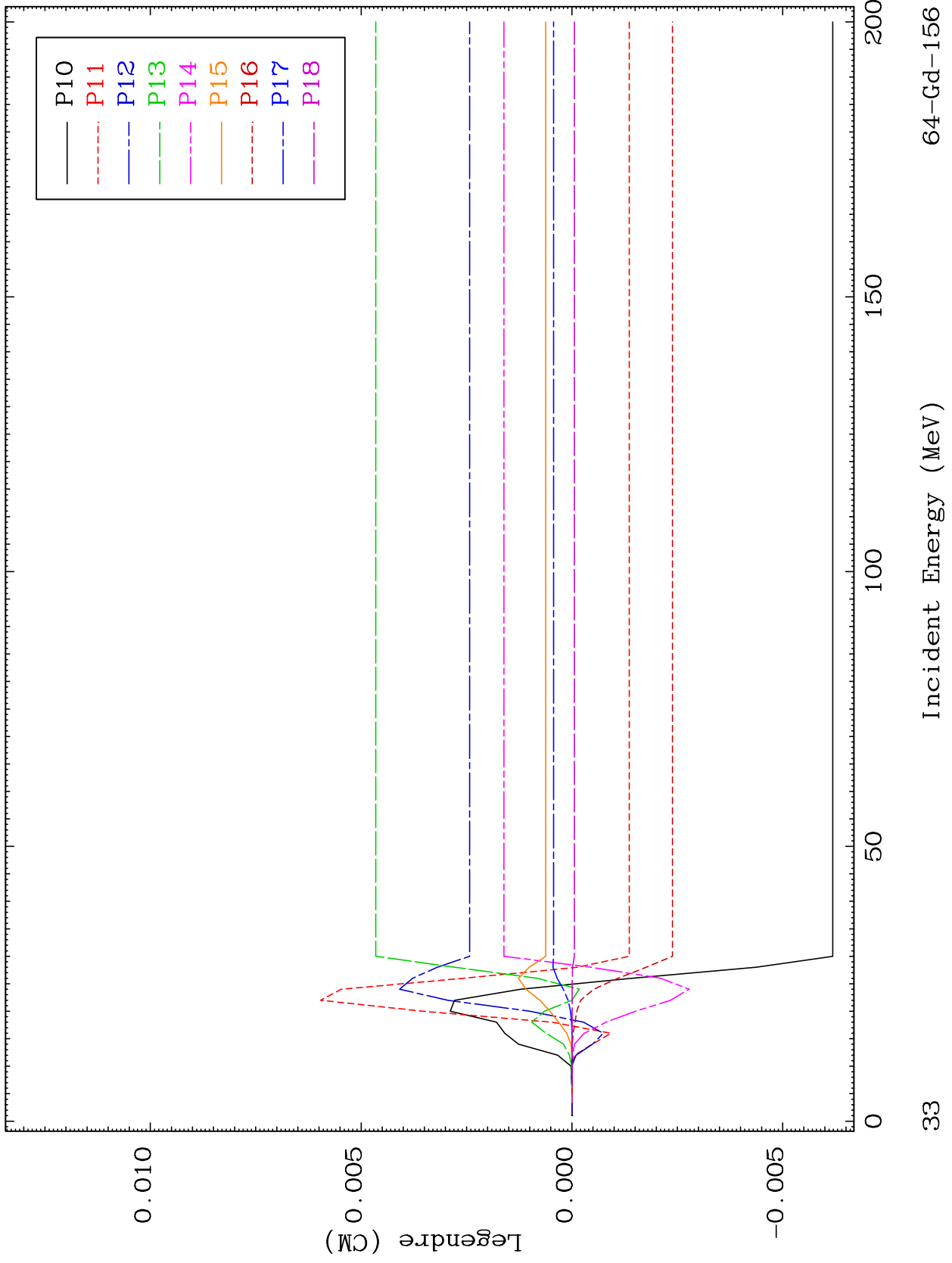
Incident Energy (MeV)

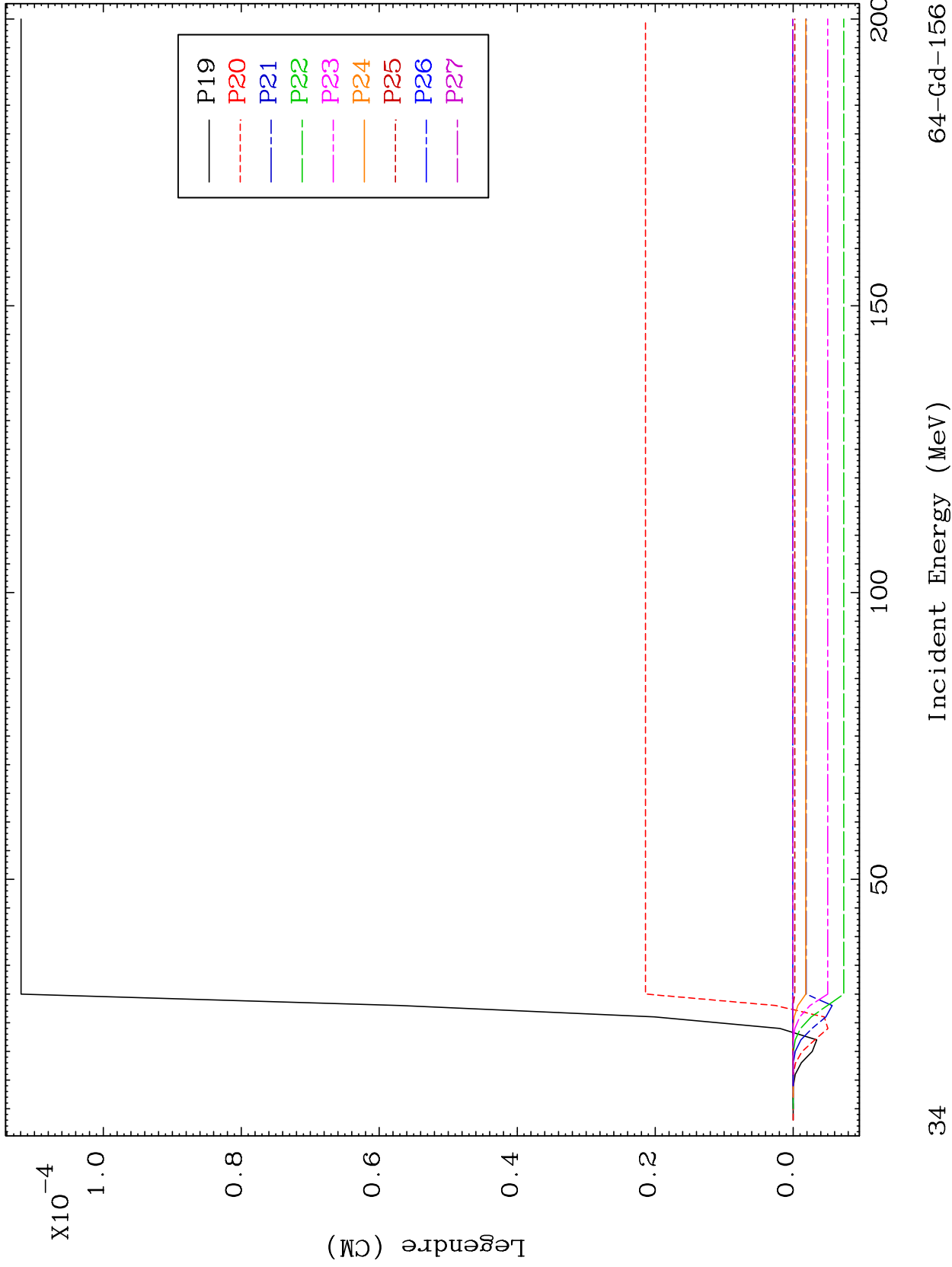
32

MAT 6437

965.1 keV (n,n') Level
Legendre Coefficients

64-Gd-156

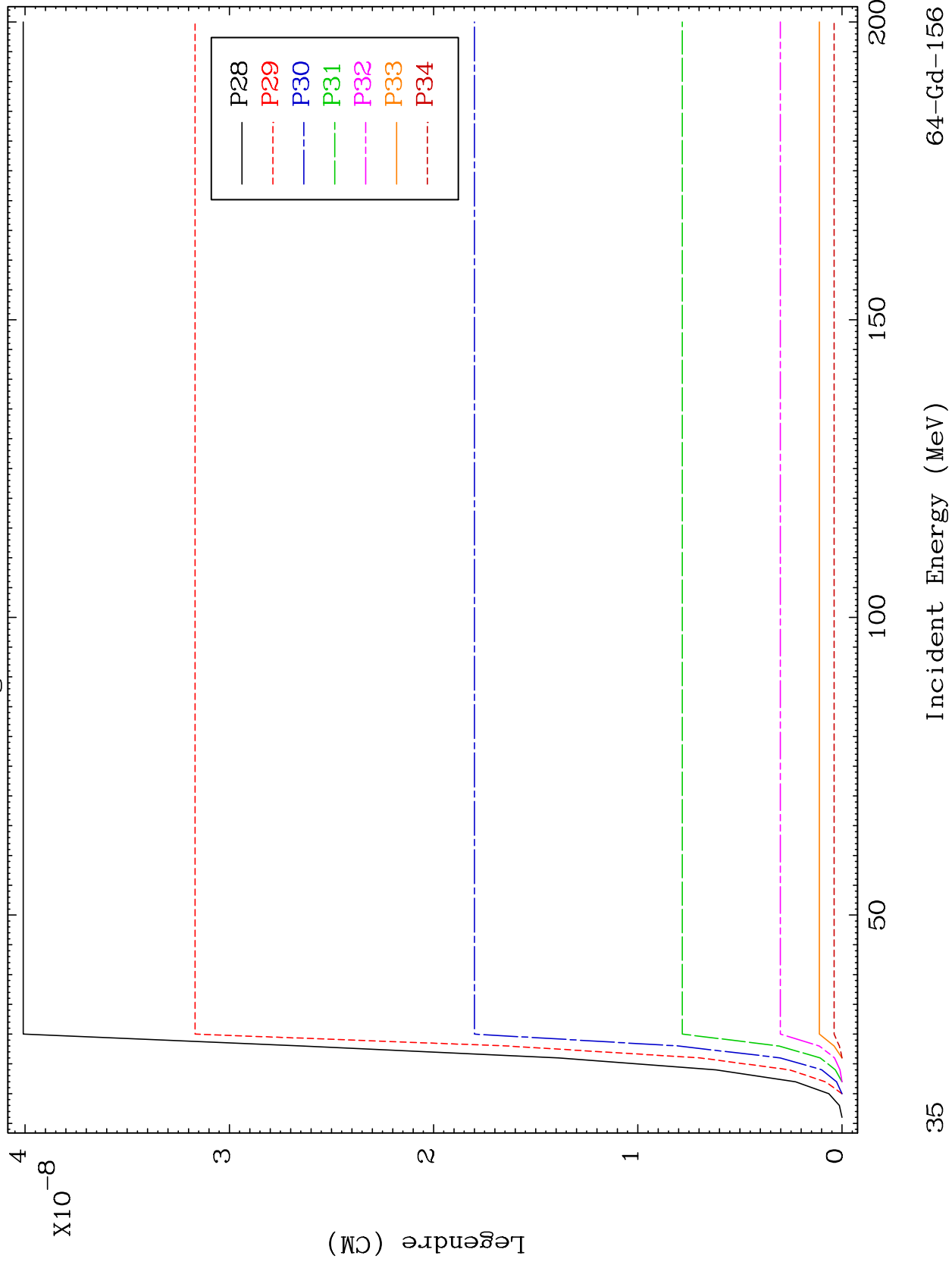




MAT 6437

965.1 keV (n,n') Level
Legendre Coefficients

64-Gd-156



35

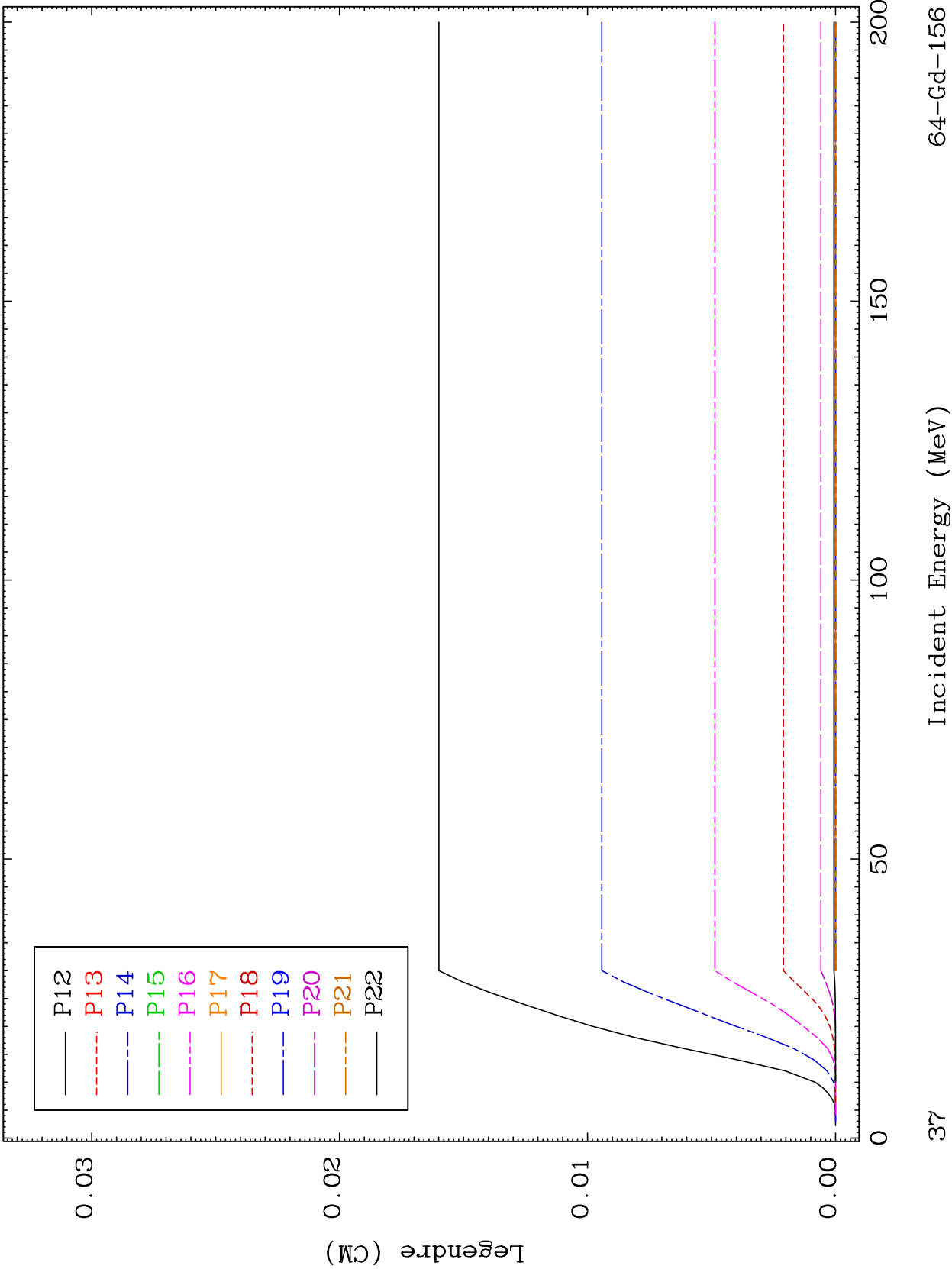
Incident Energy (MeV)

64-Gd-156

MAT 6437

1.049 MeV (n,n') Level
Legendre Coefficients

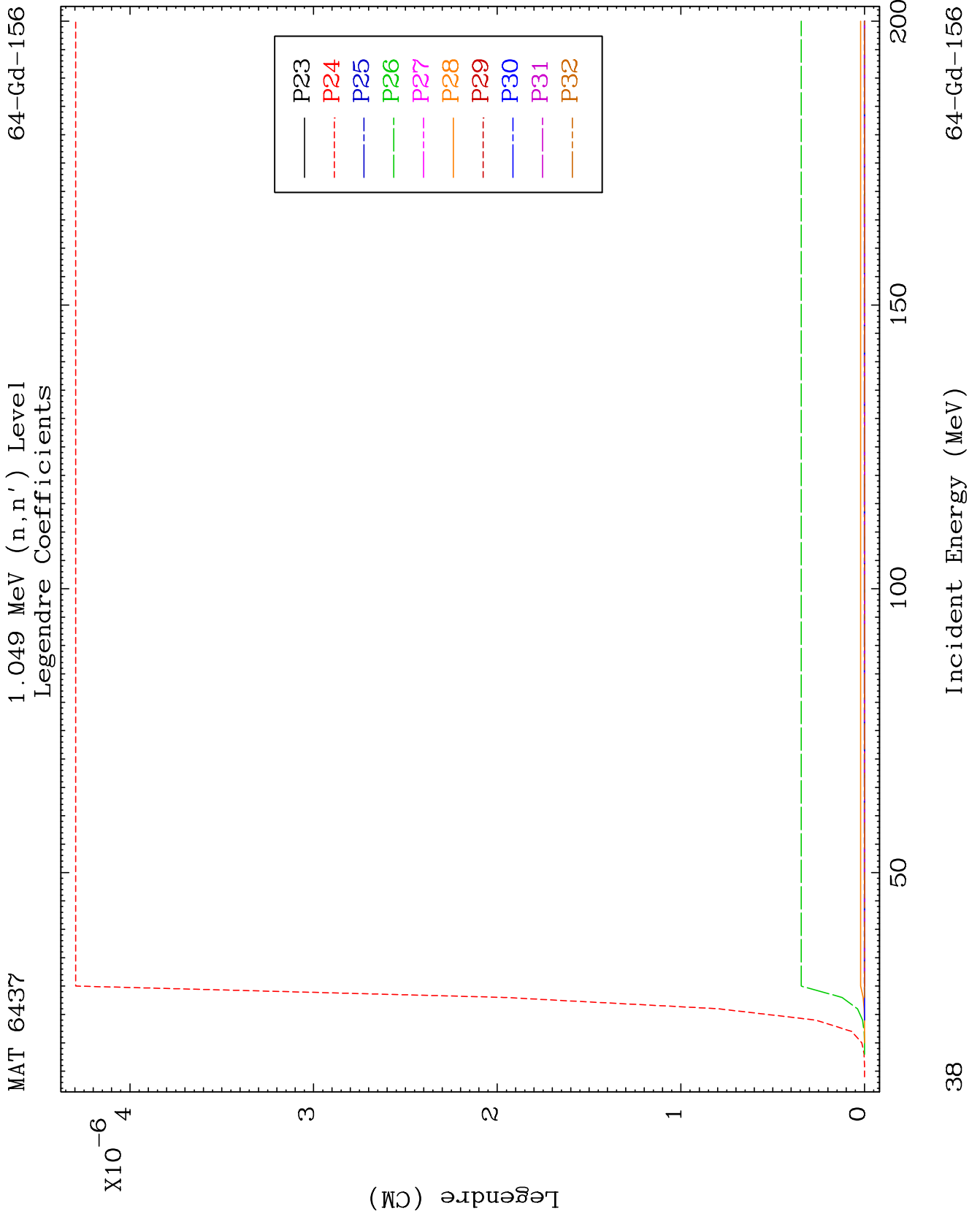
64-Gd-156



64-Gd-156

Incident Energy (MeV)

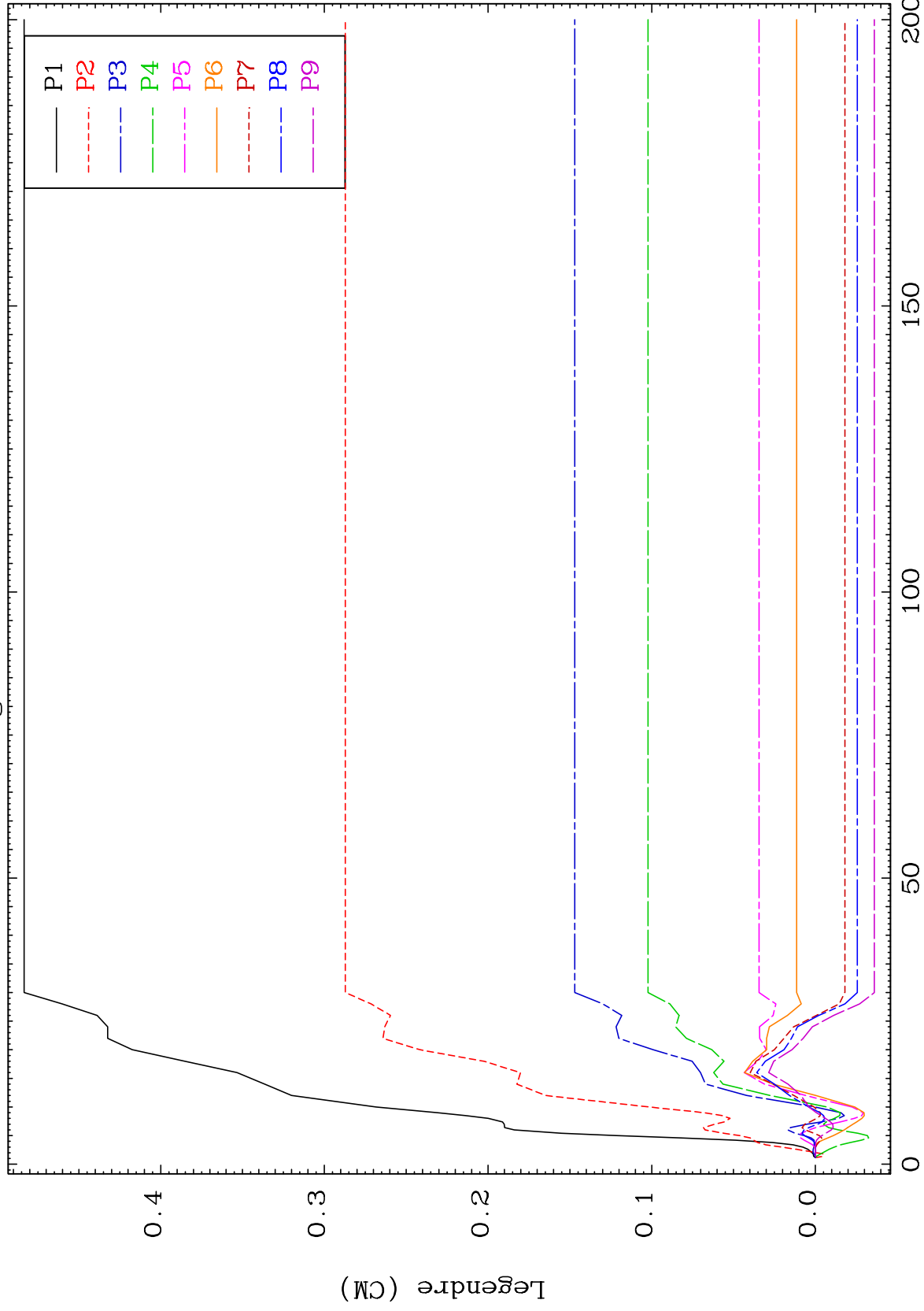
37



MAT 6437

1.129 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

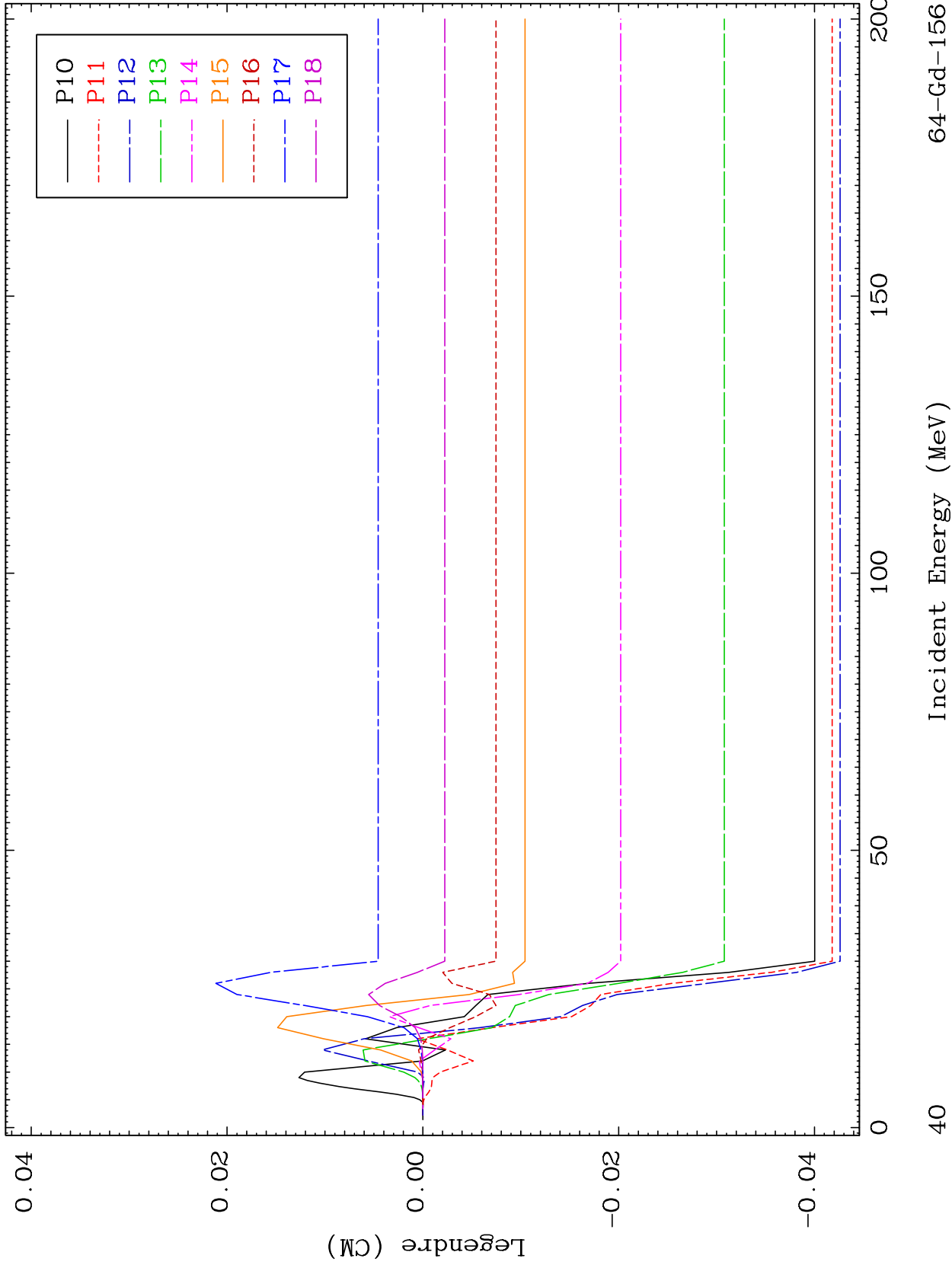
Incident Energy (MeV)

39

MAT 6437

1.129 MeV (n,n') Level
Legendre Coefficients

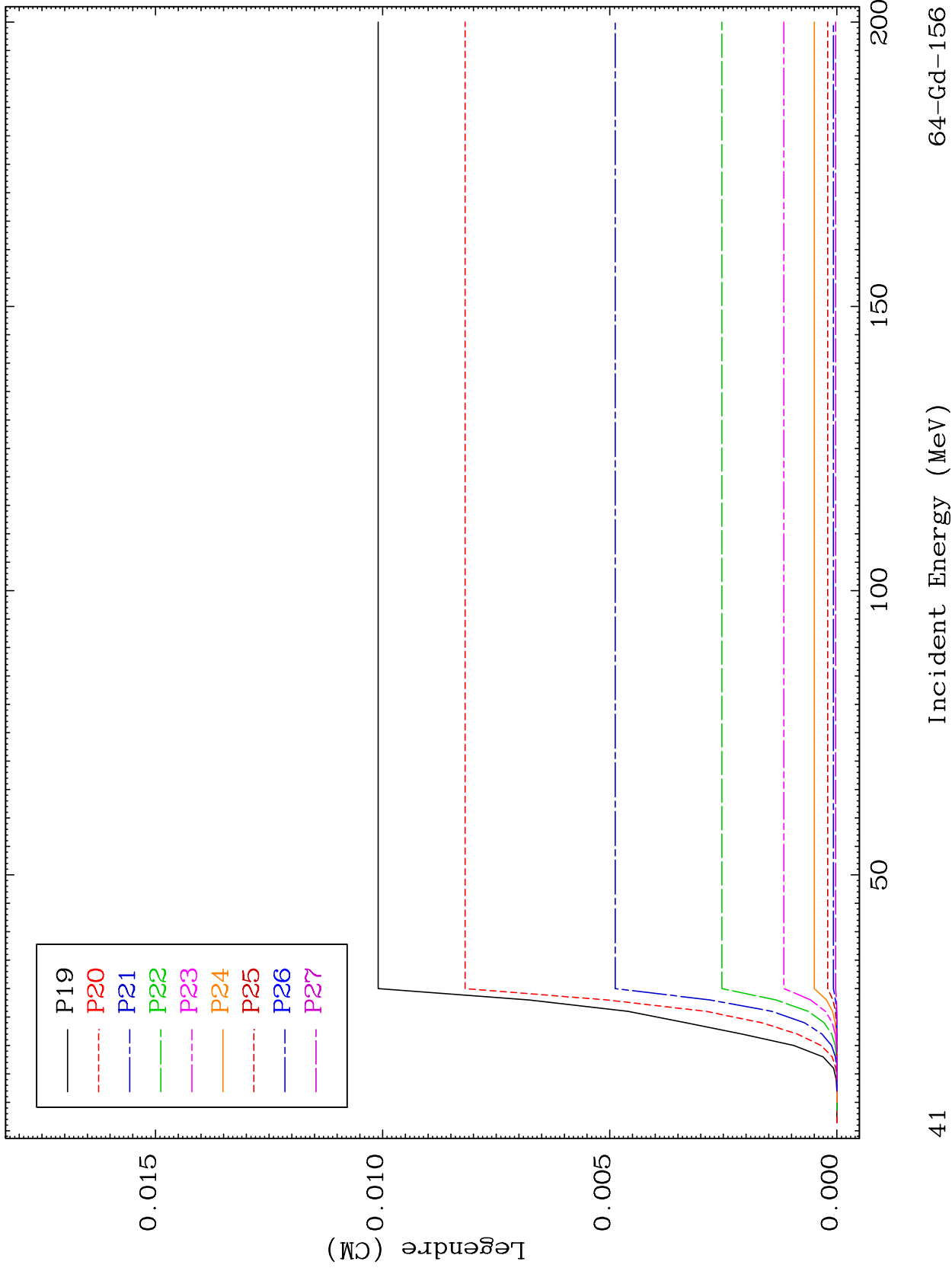
64-Gd-156



64-Gd-156

Incident Energy (MeV)

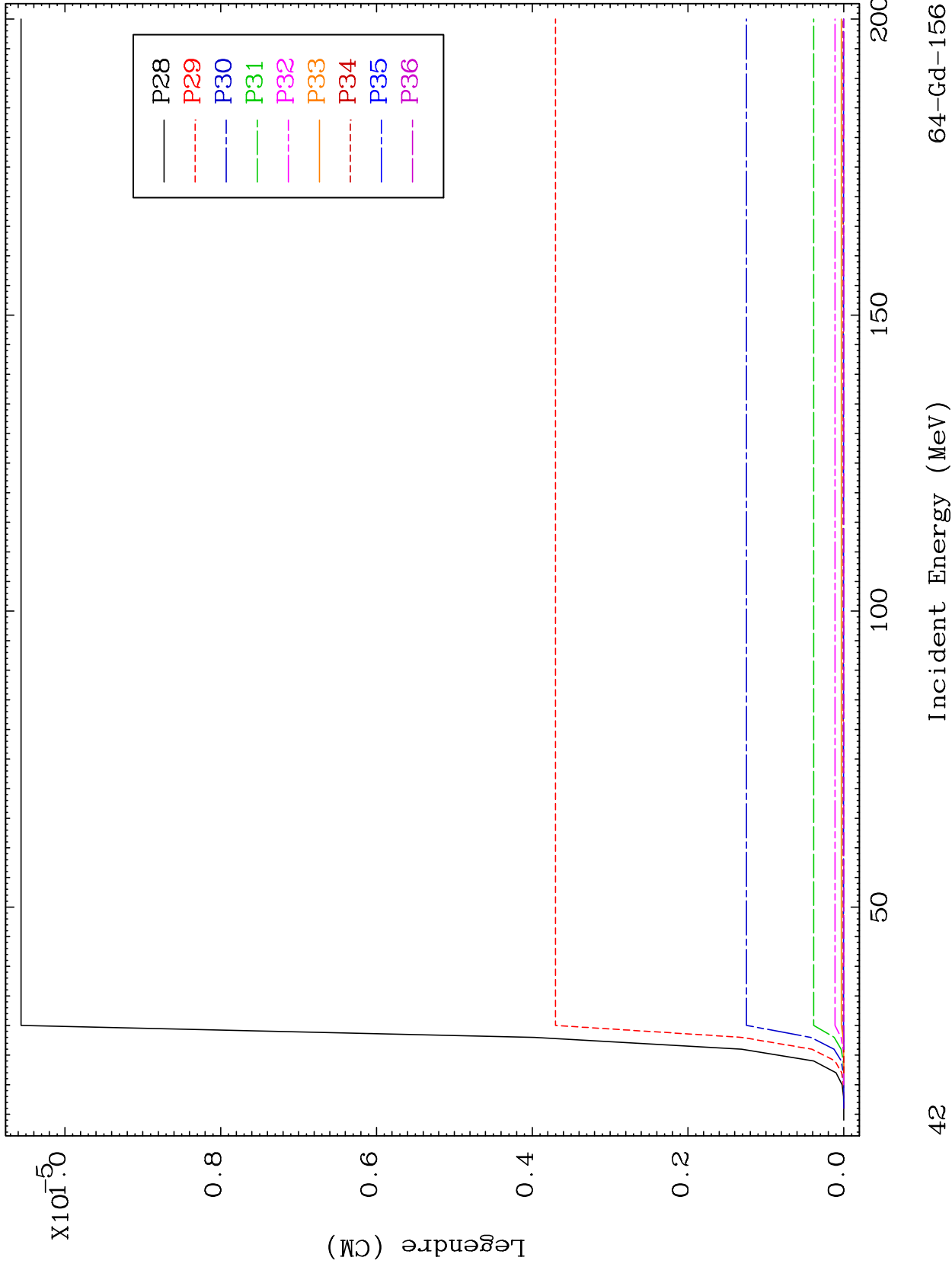
40



MAT 6437

1.129 MeV (n,n') Level
Legendre Coefficients

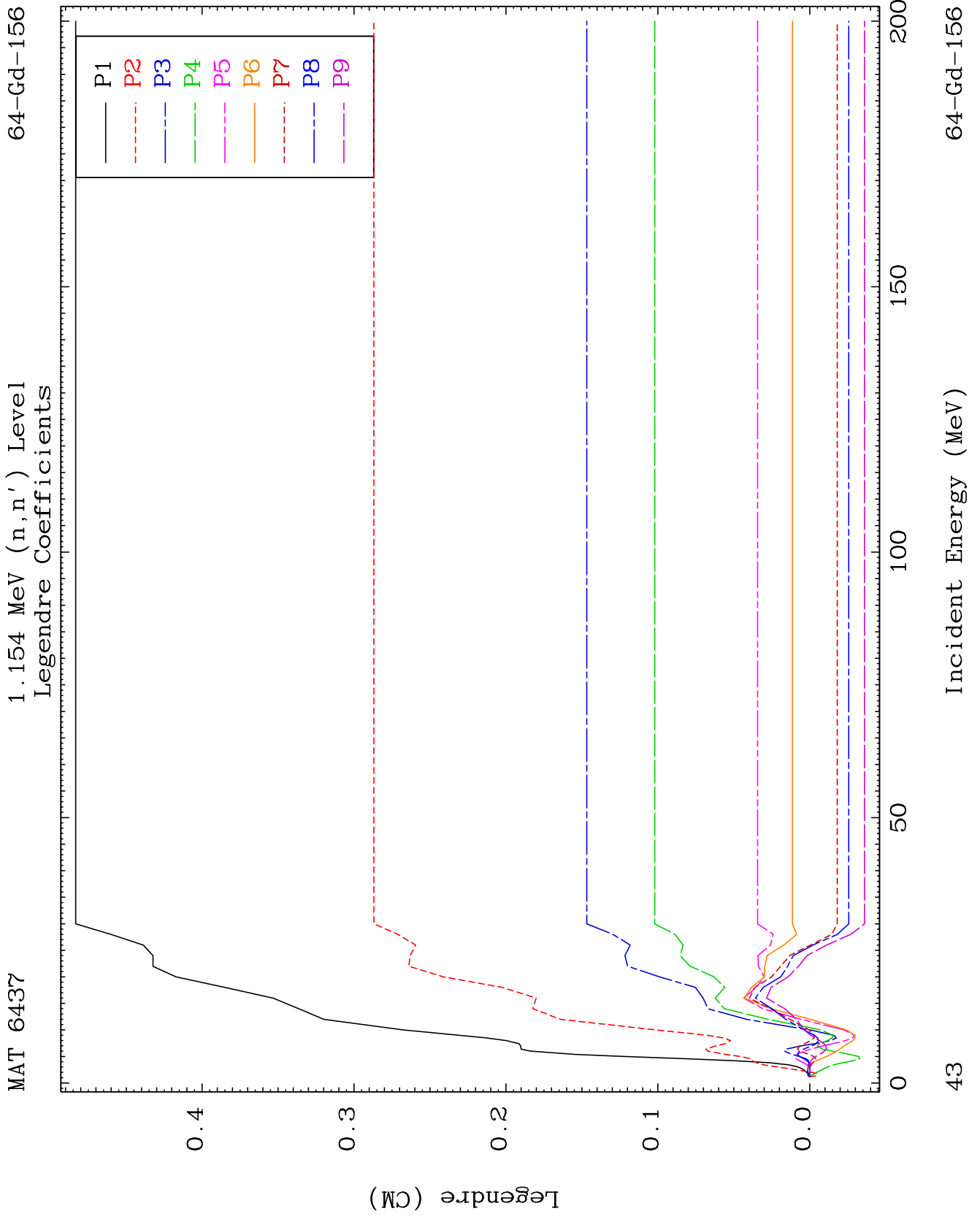
64-Gd-156



42

Incident Energy (MeV)

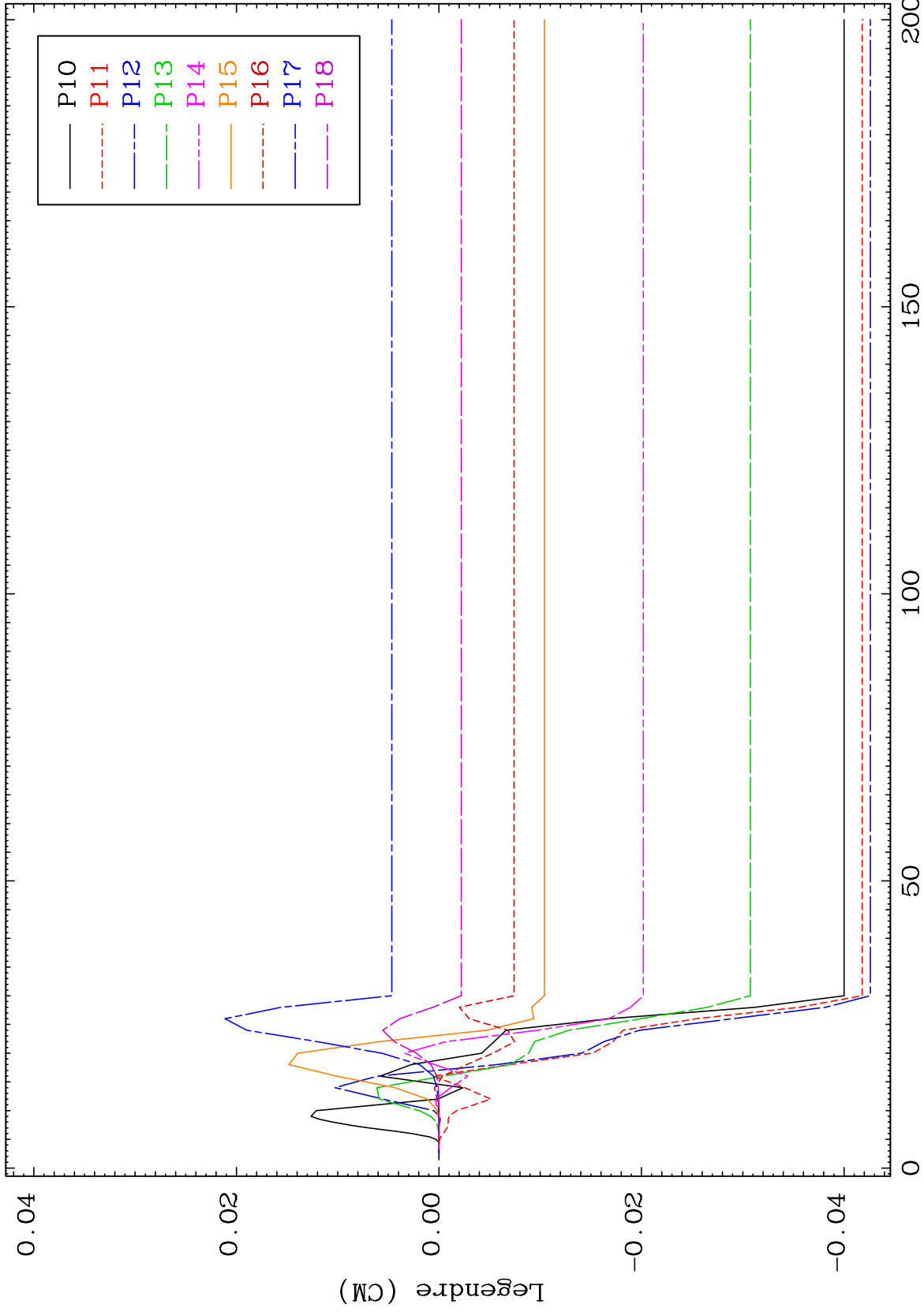
64-Gd-156



MAT 6437

1.154 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



44

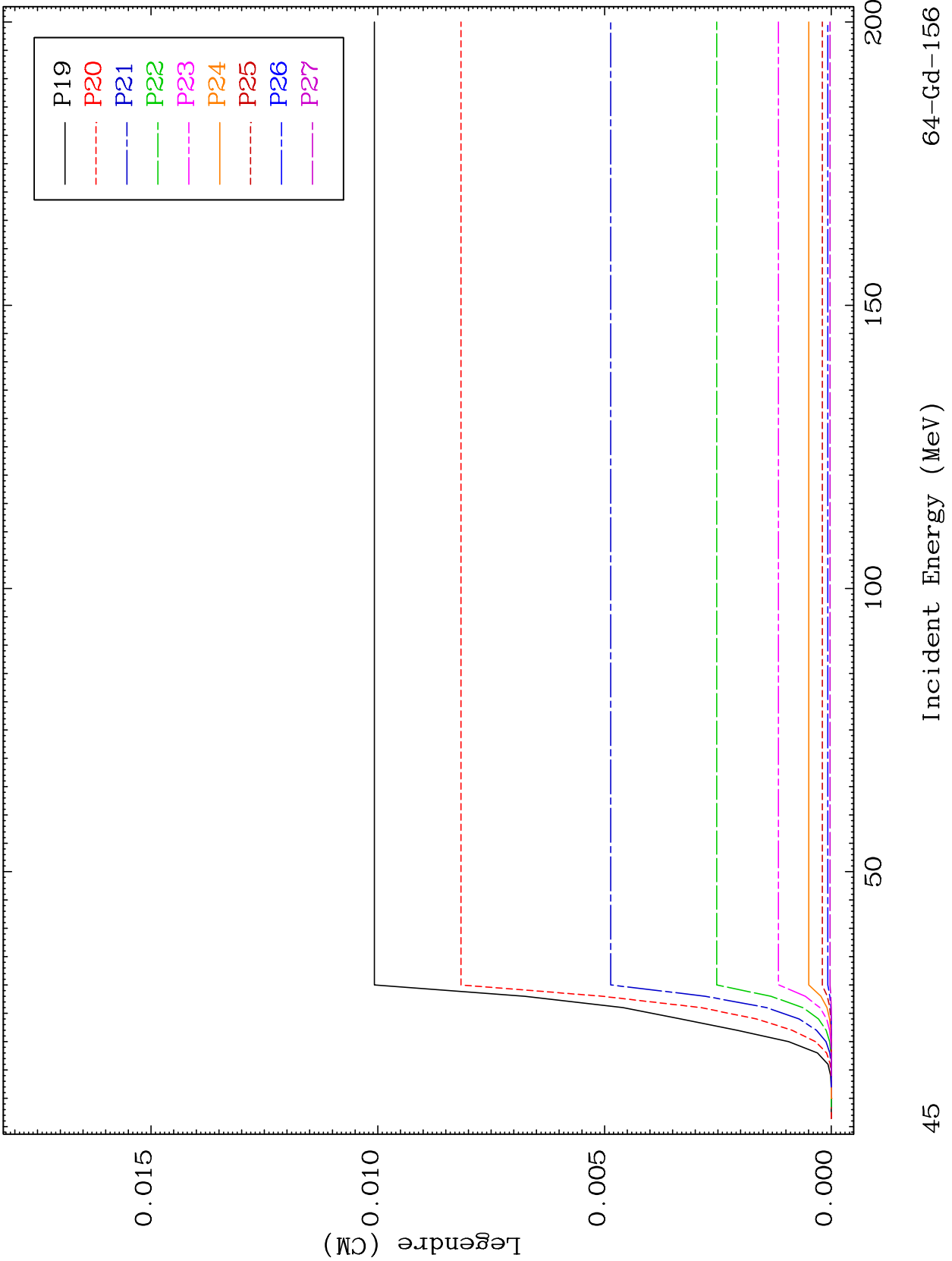
Incident Energy (MeV)

64-Gd-156

MAT 6437

1.154 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



45

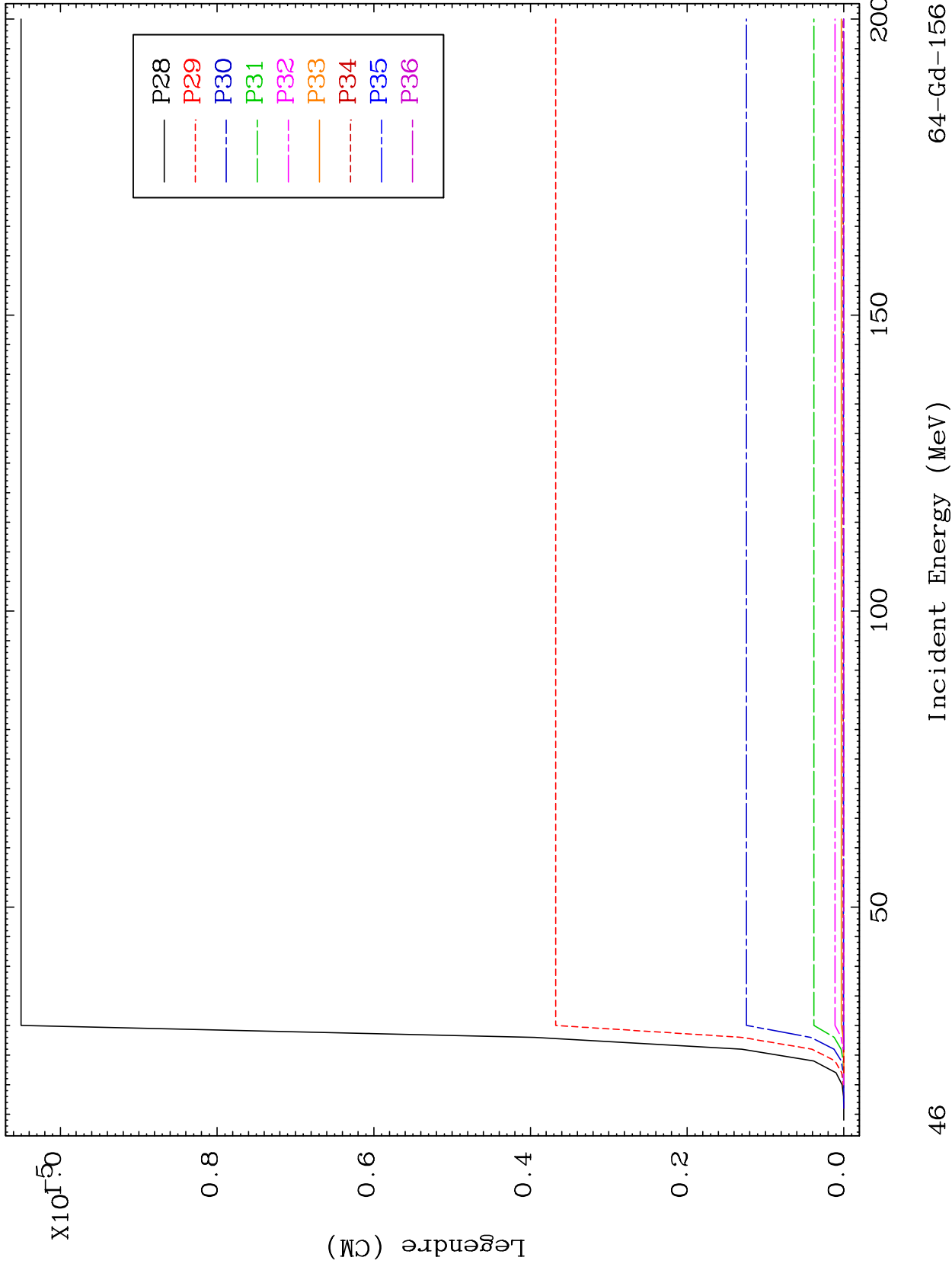
Incident Energy (MeV)

64-Gd-156

MAT 6437

1.154 MeV (n, n') Level
Legendre Coefficients

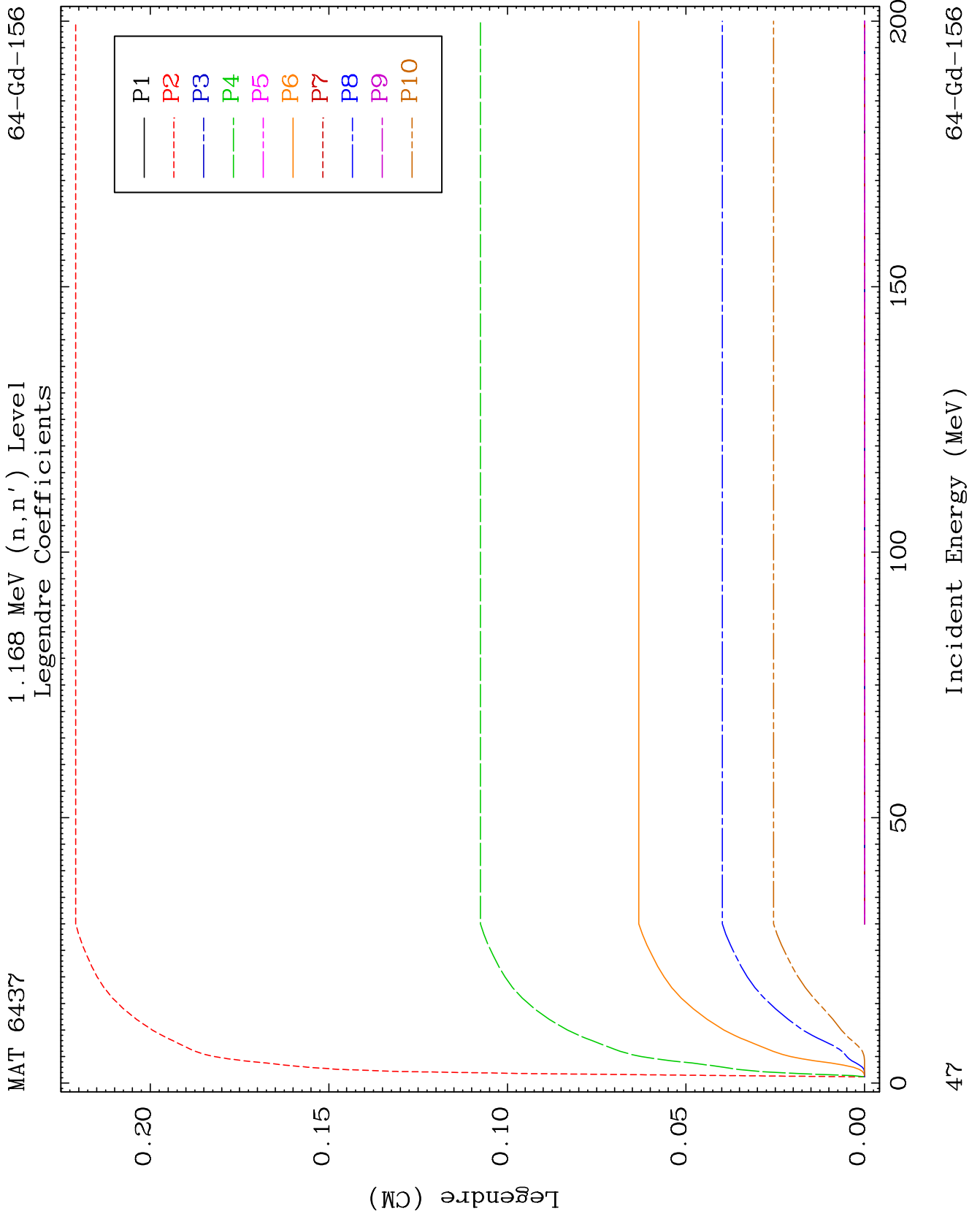
64-Gd-156



46

Incident Energy (MeV)

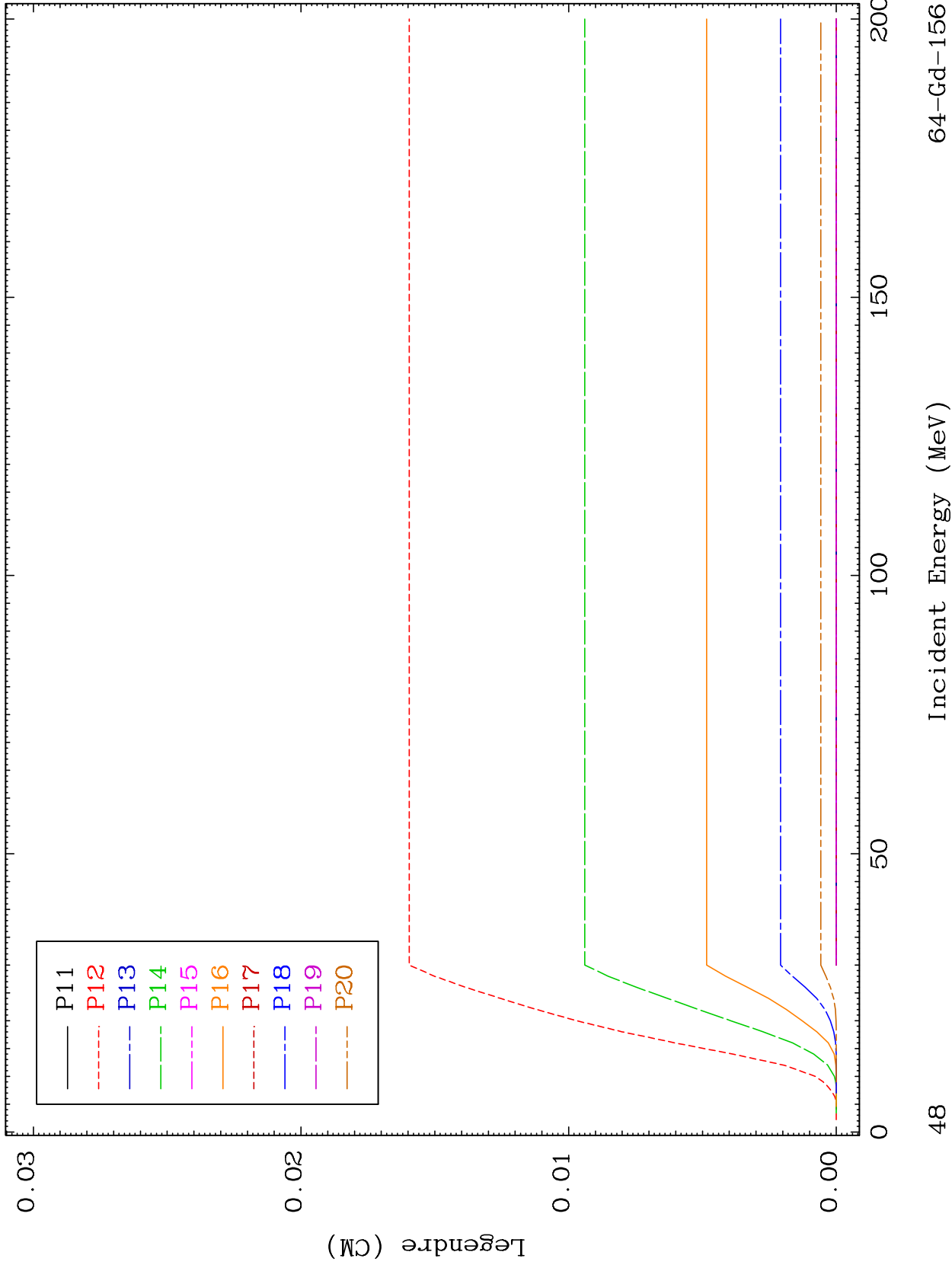
64-Gd-156



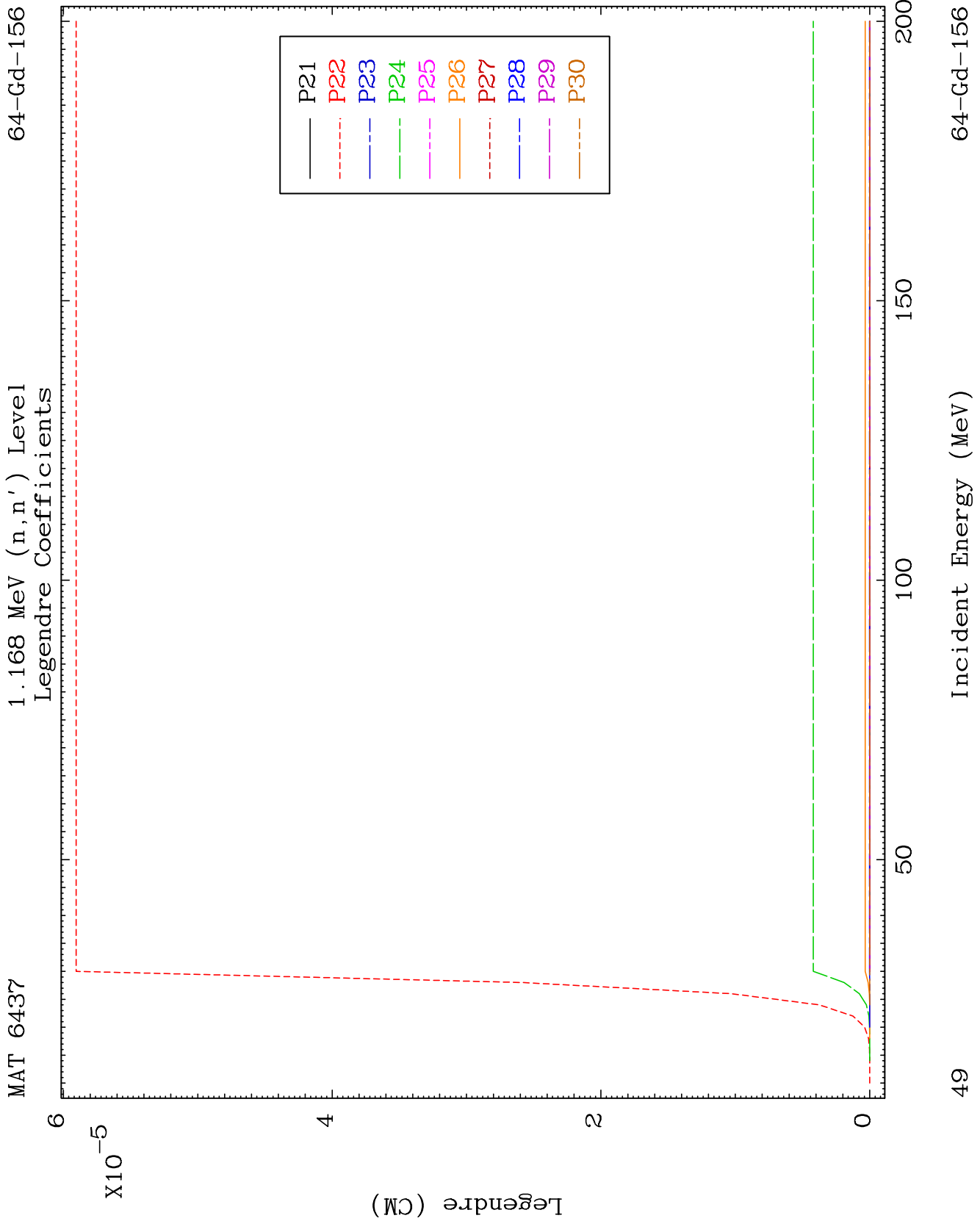
MAT 6437

1.168 MeV (n, n') Level
Legendre Coefficients

64-Gd-156



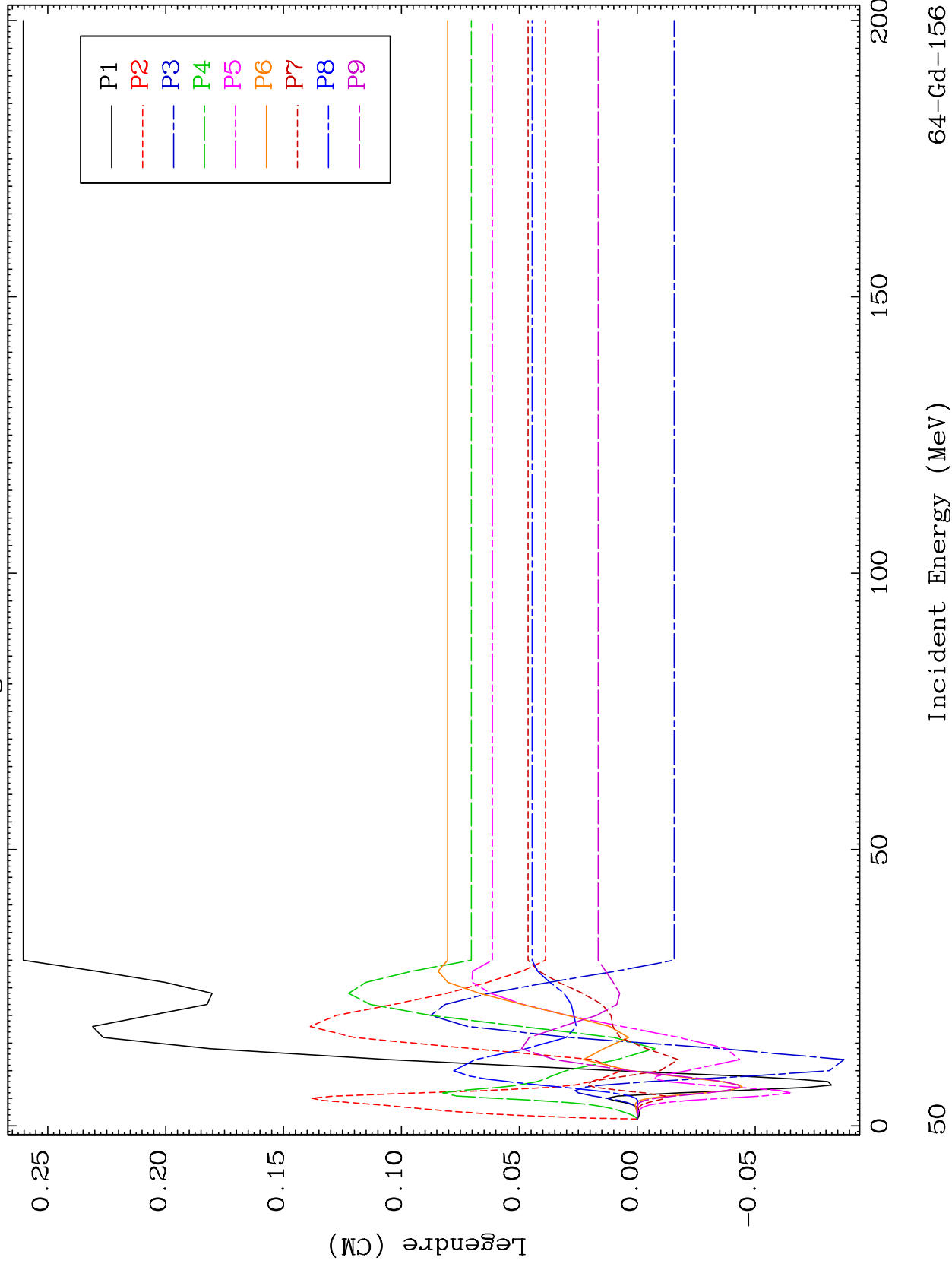
48



MAT 6437

1.242 MeV (n,n') Level
Legendre Coefficients

64-Gd-156

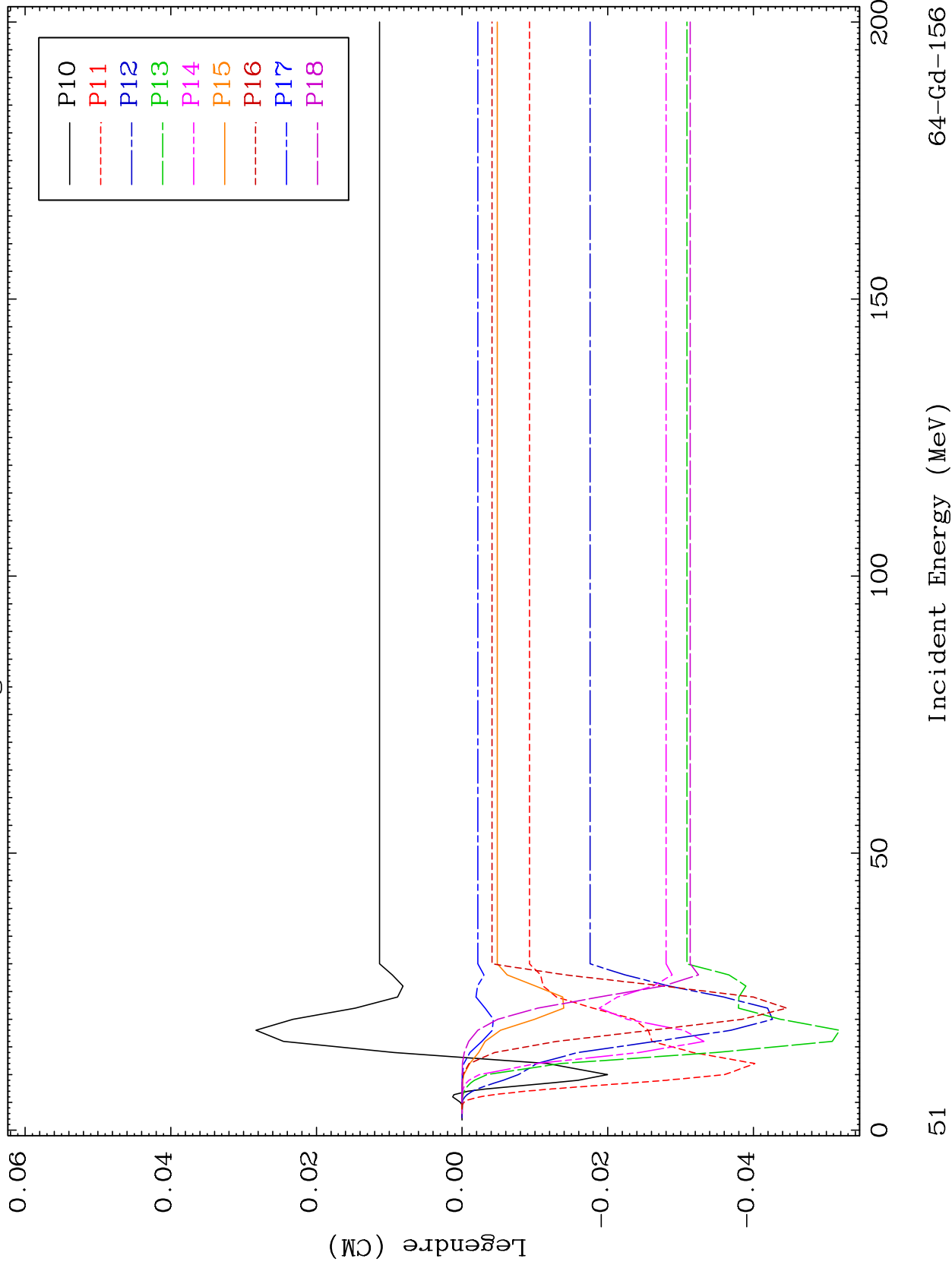


64-Gd-156

MAT 6437

1.242 MeV (n,n') Level
Legendre Coefficients

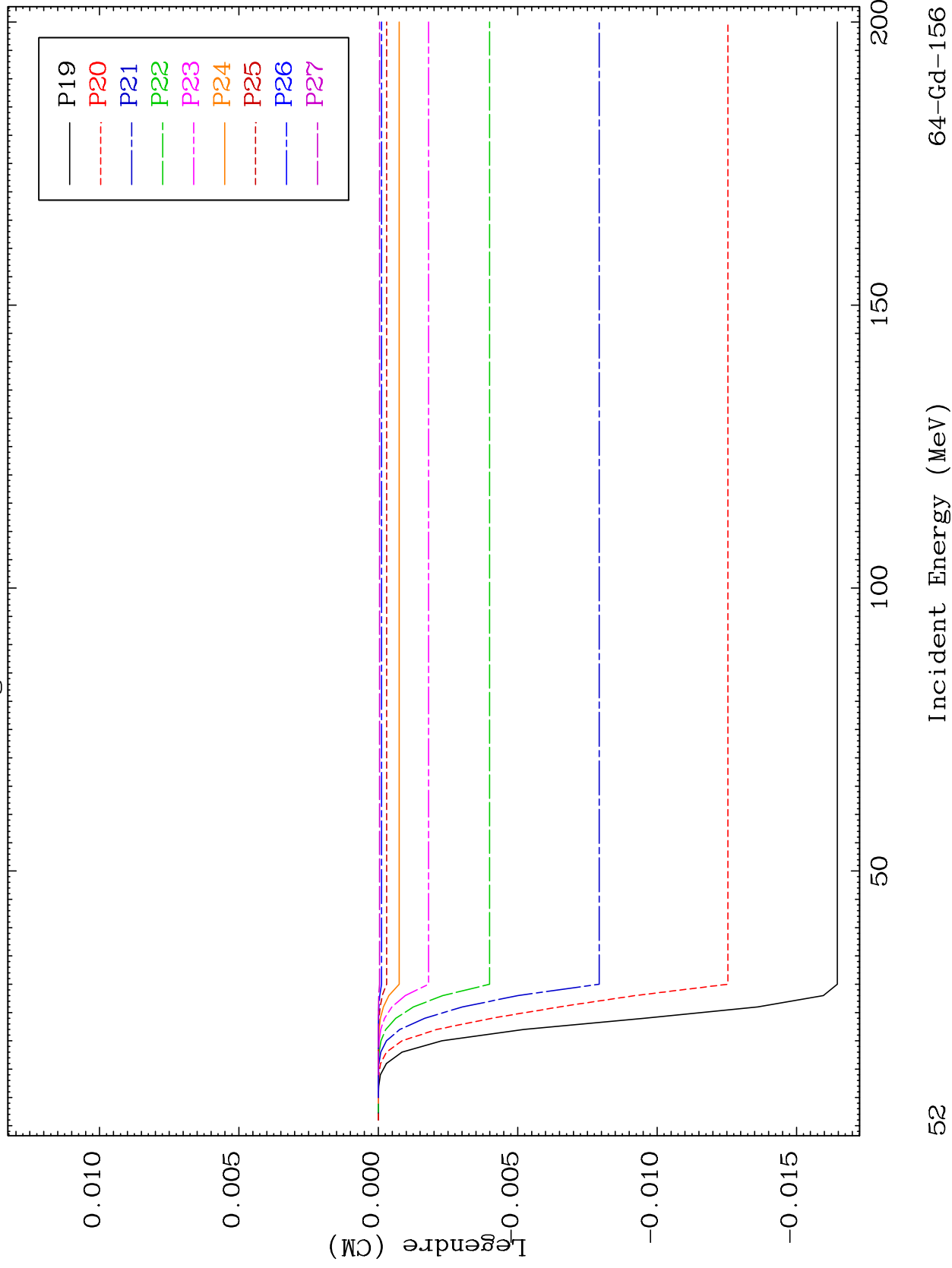
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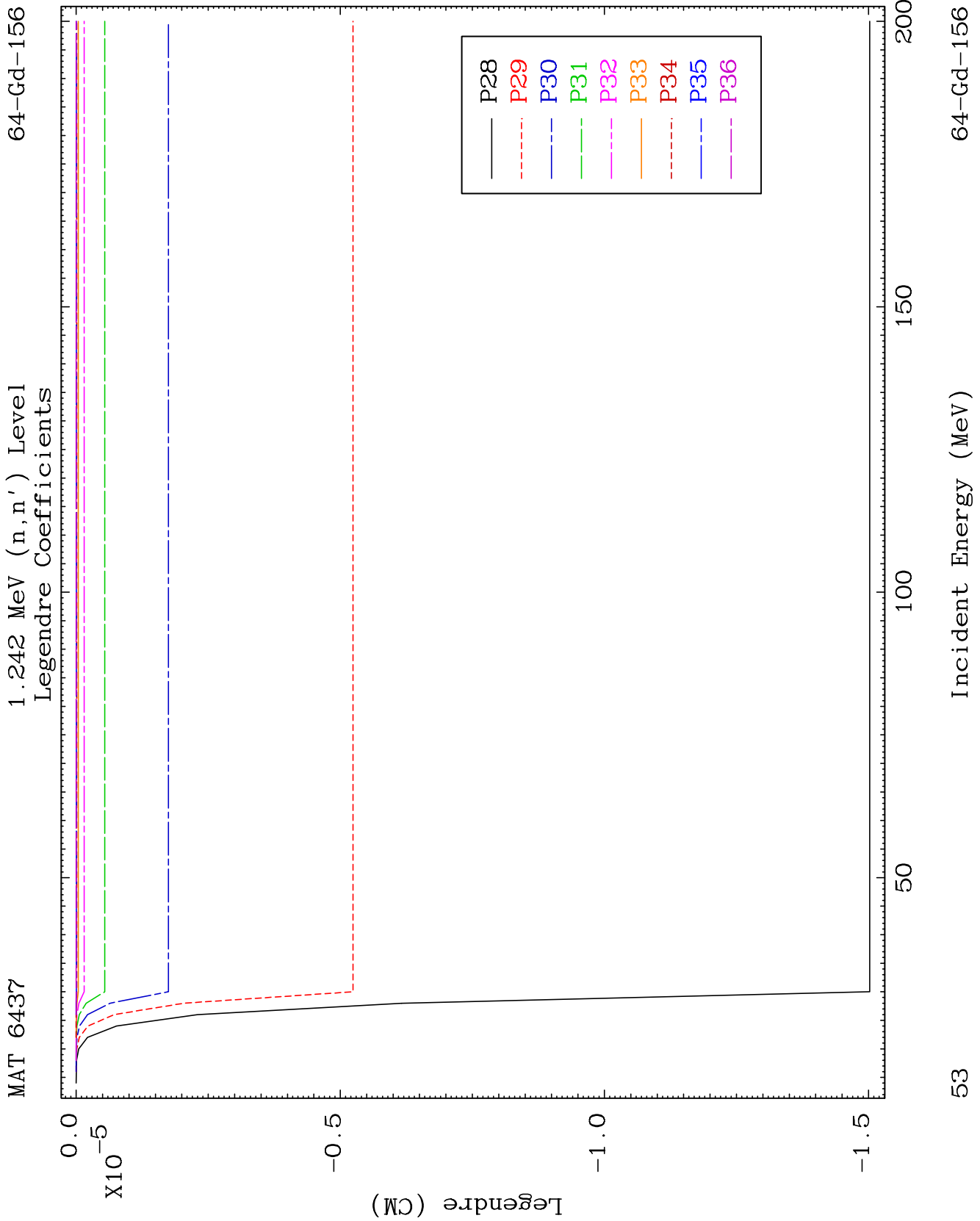


64-Gd-156

Incident Energy (MeV)

51

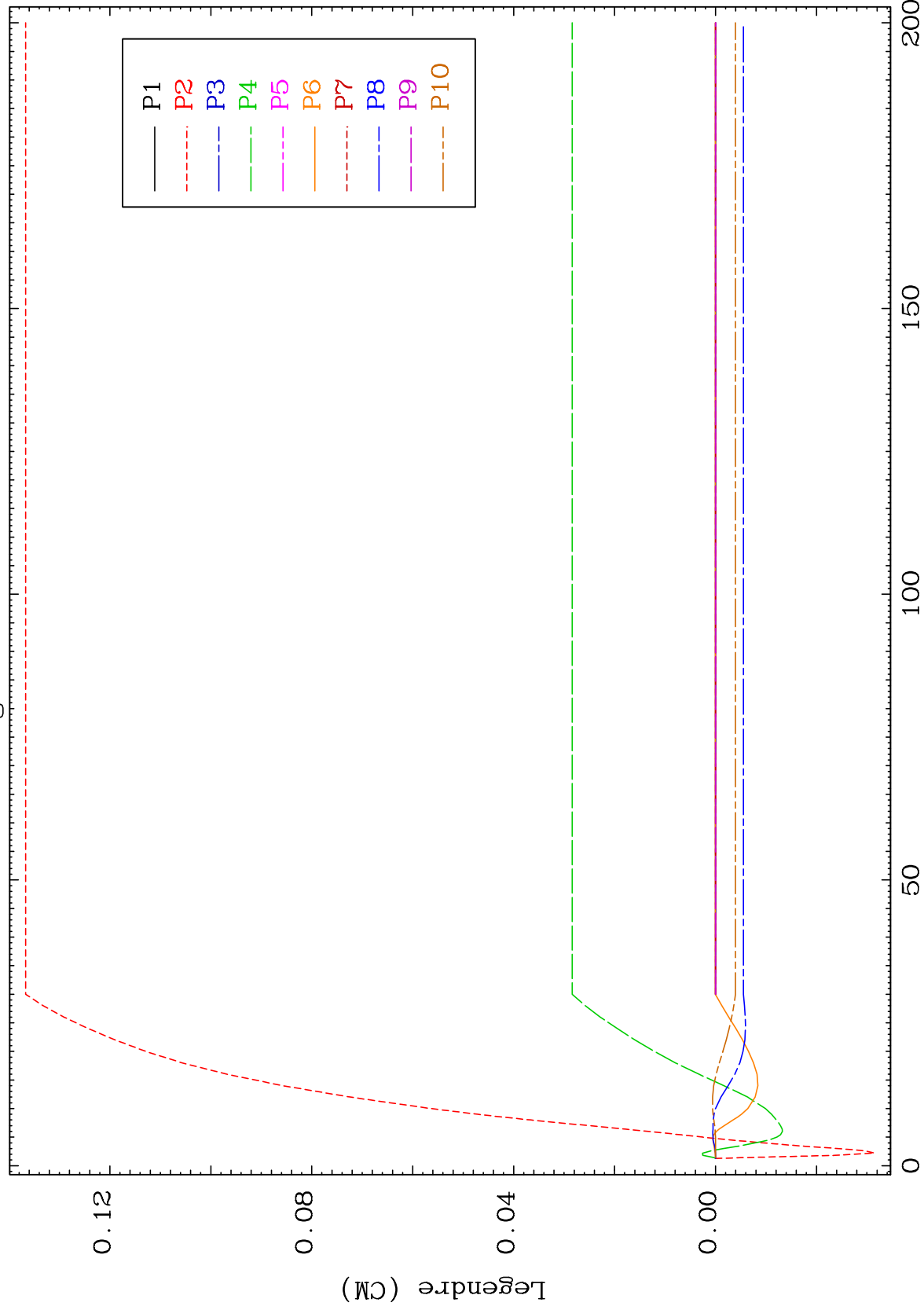




MAT 6437

1.248 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

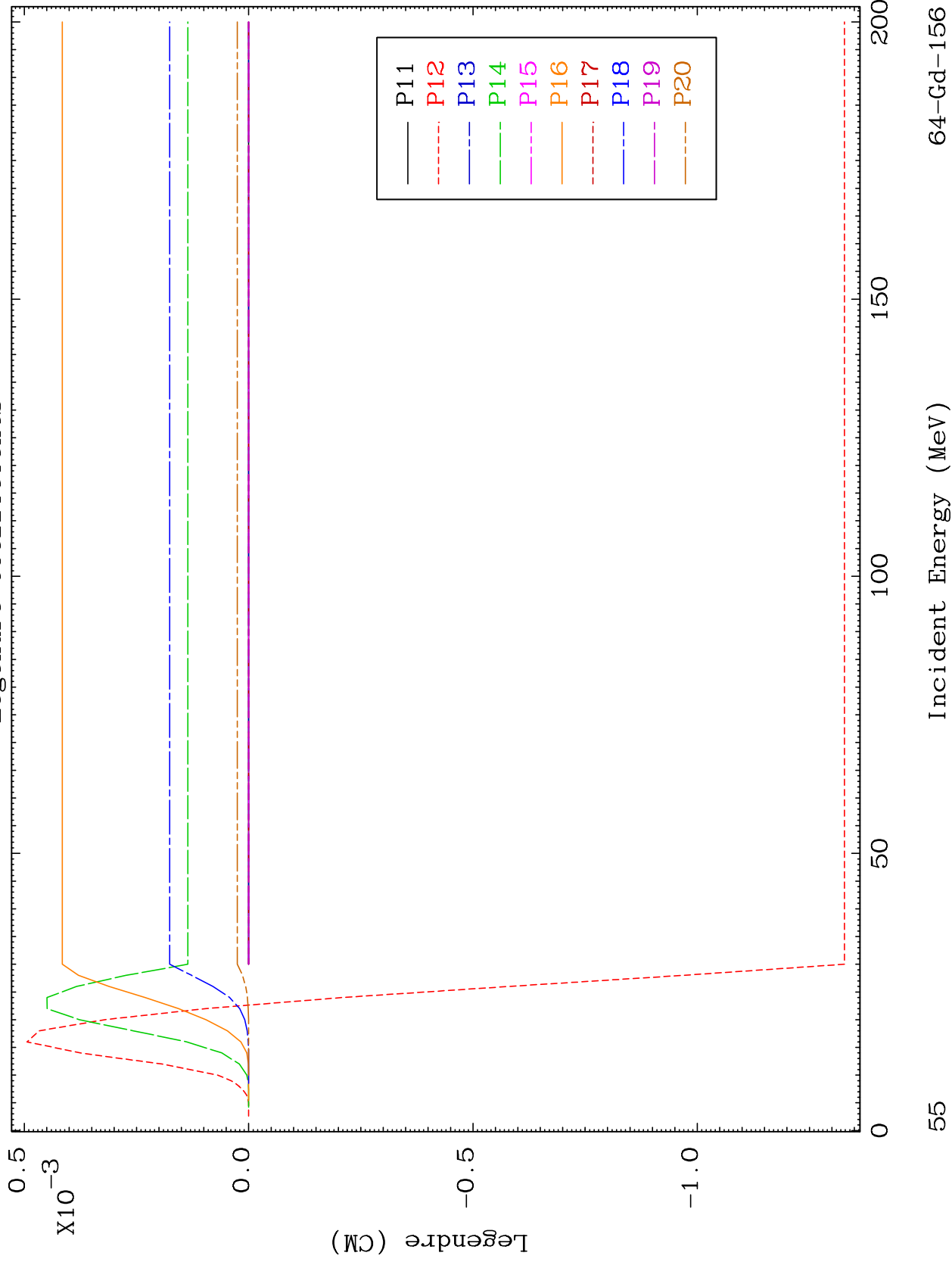
Incident Energy (MeV)

54

MAT 6437

1.248 MeV (n,n') Level
Legendre Coefficients

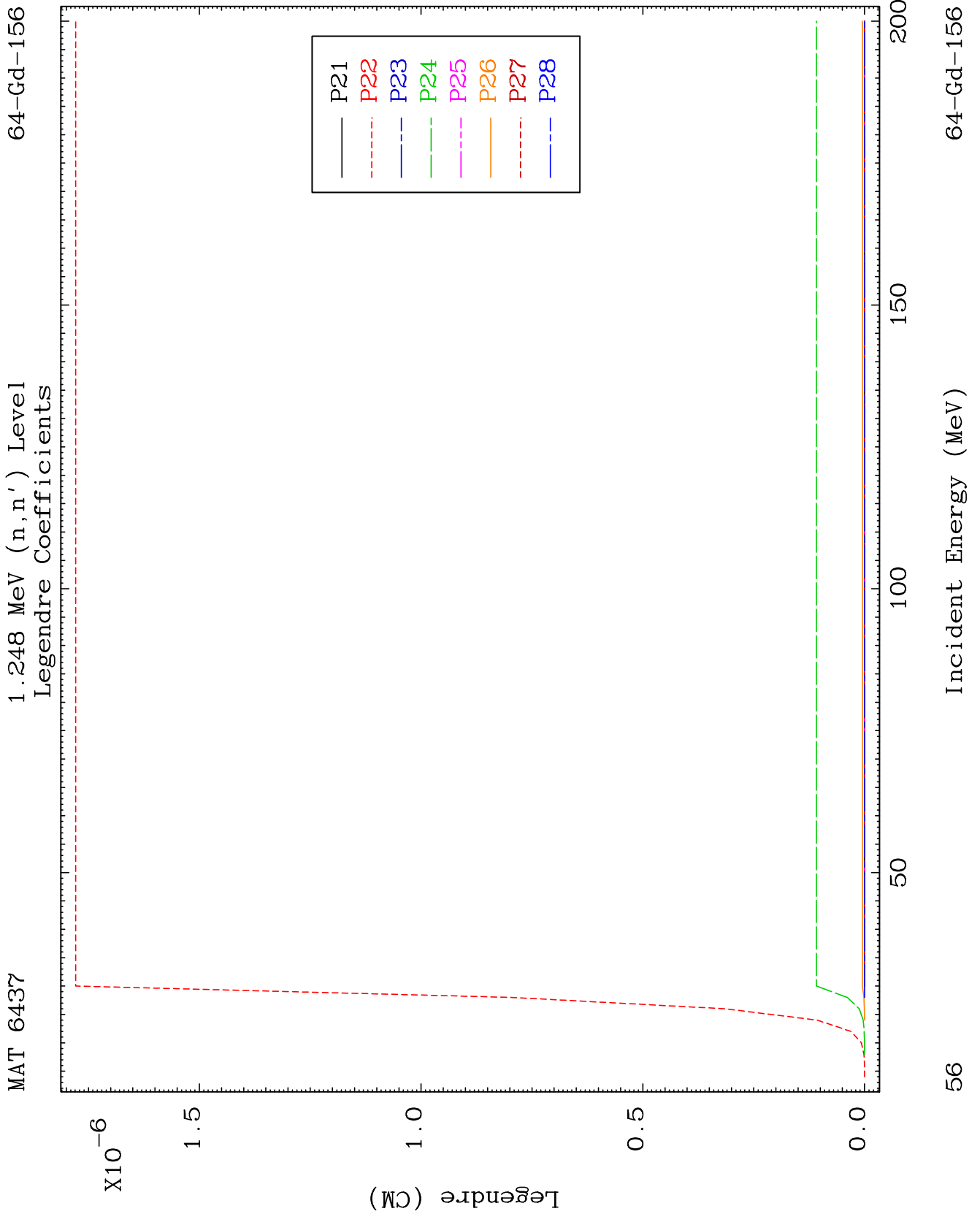
64-Gd-156



55

Incident Energy (MeV)

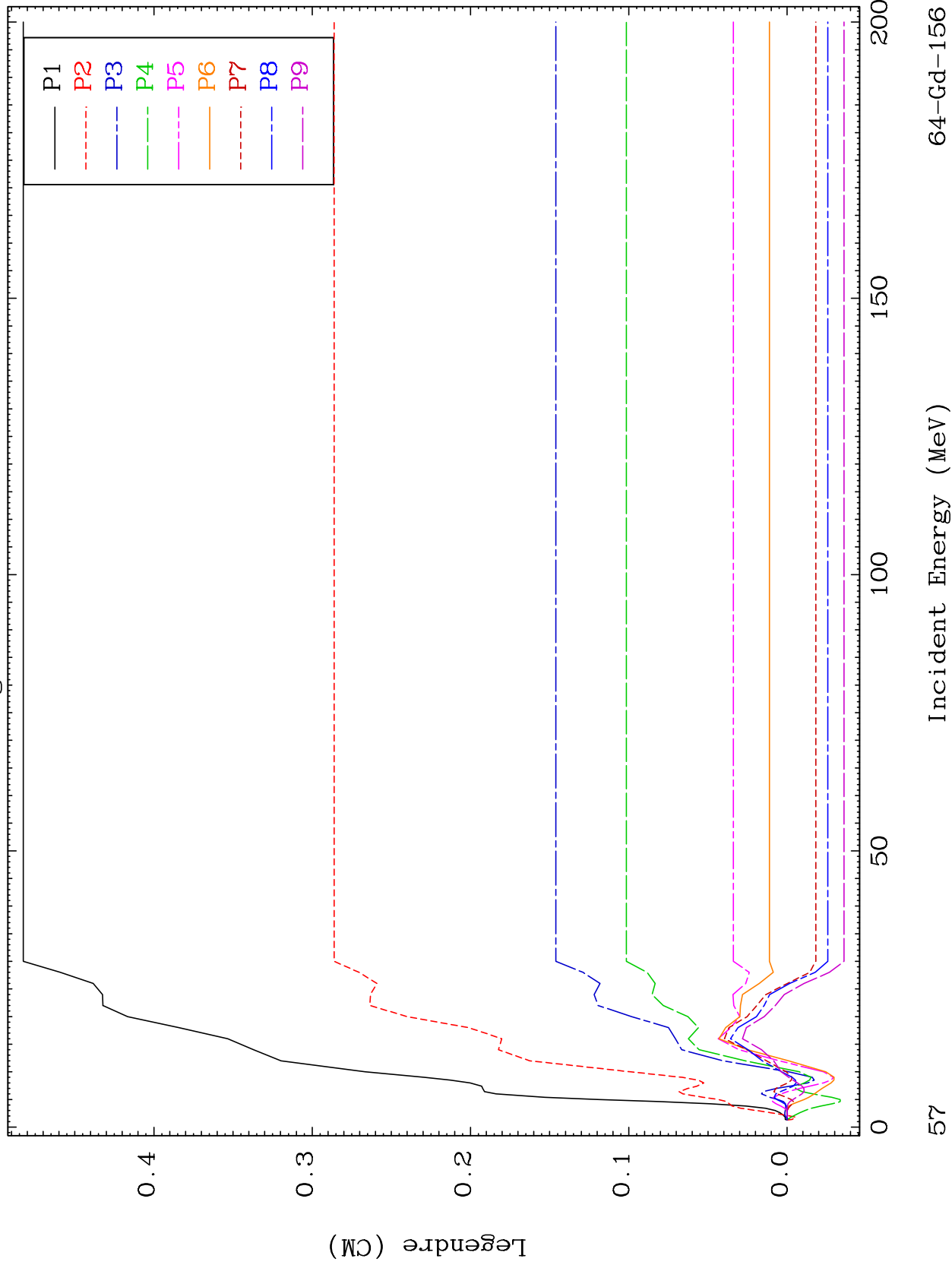
64-Gd-156



MAT 6437

1.258 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

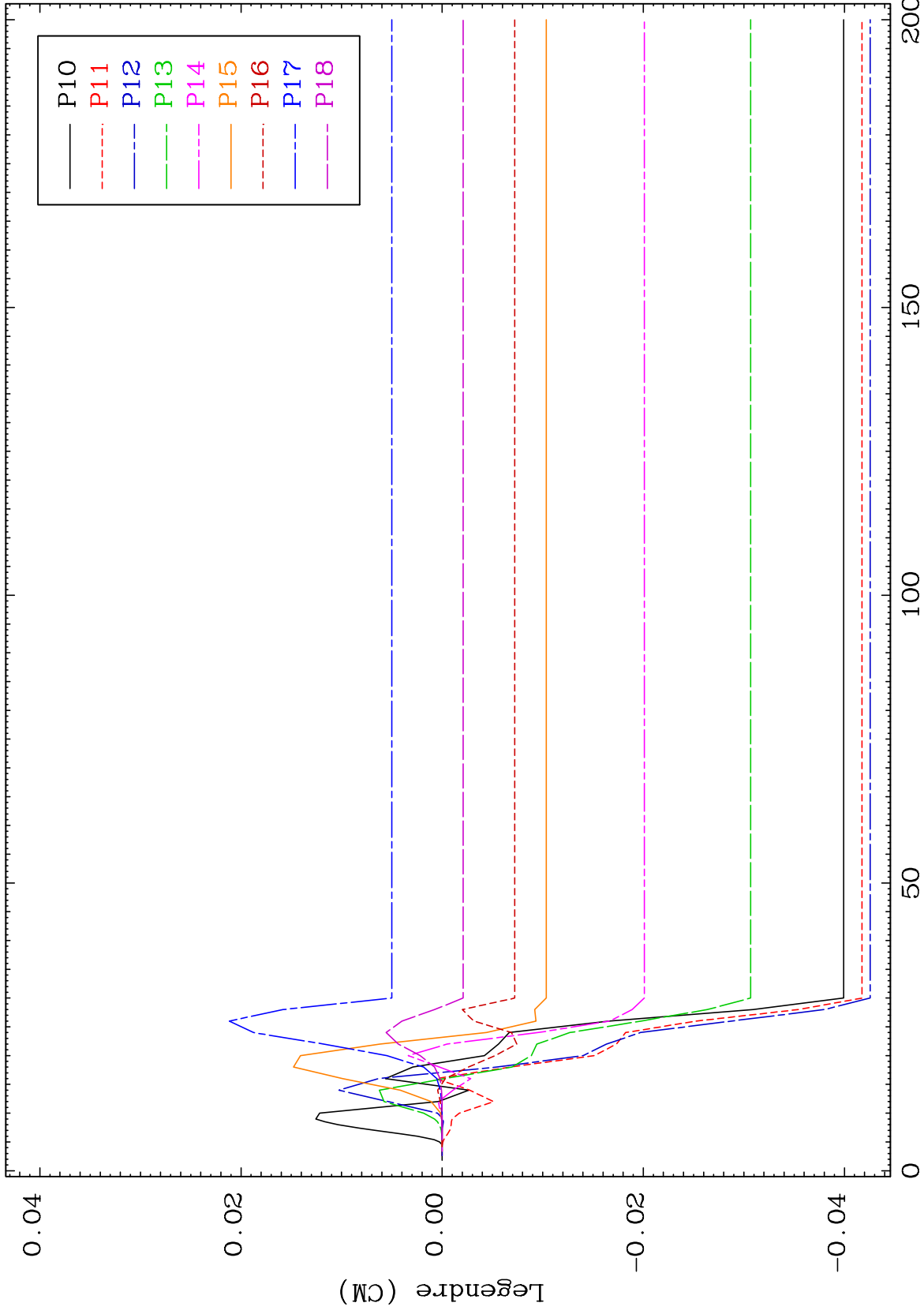
Incident Energy (MeV)

57

MAT 6437

1.258 MeV (n,n') Level
Legendre Coefficients

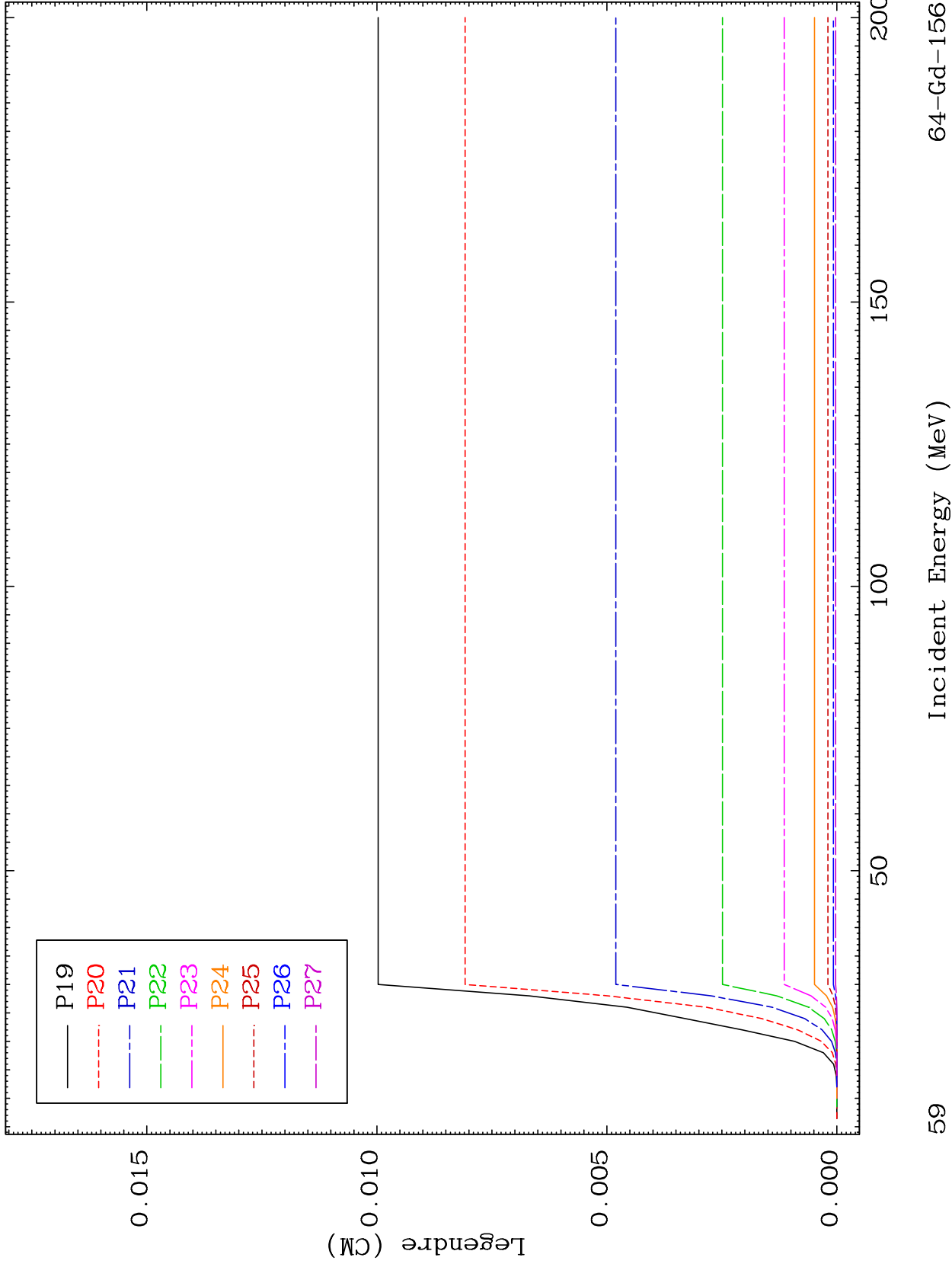
64-Gd-156



58

Incident Energy (MeV)

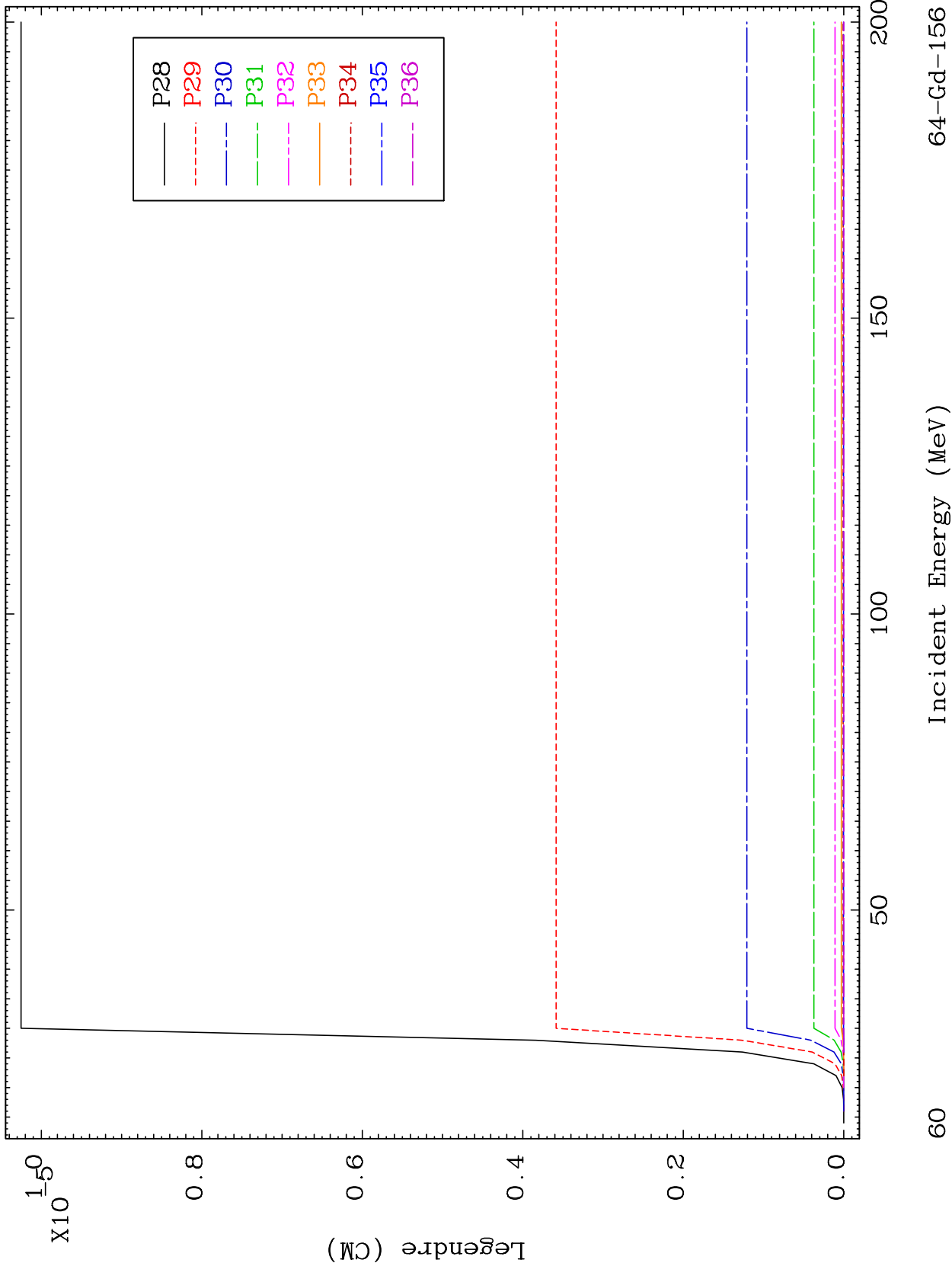
64-Gd-156



MAT 6437

1.258 MeV (n, n') Level
Legendre Coefficients

64-Gd-156

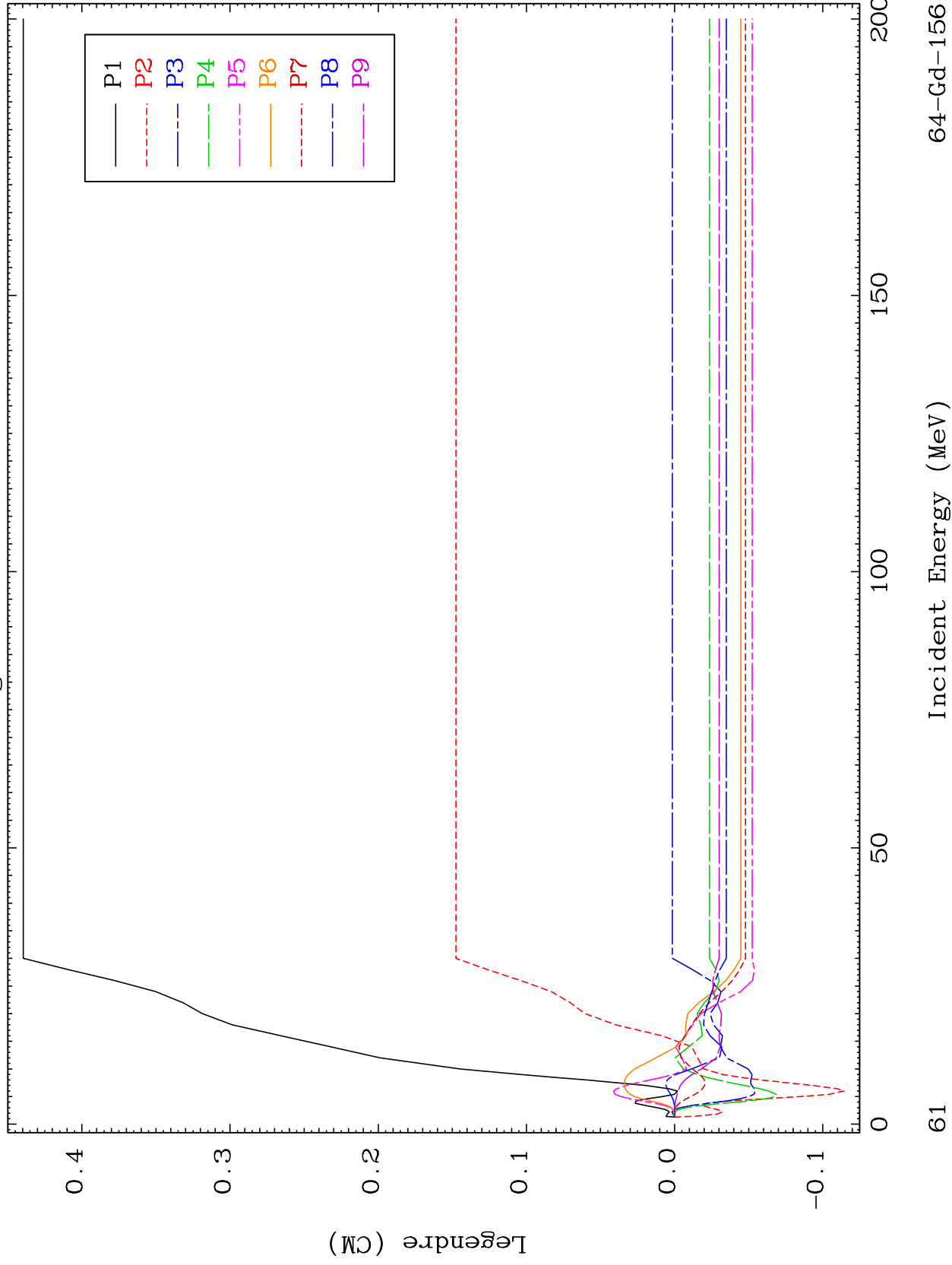


64-Gd-156

MAT 6437

1.276 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

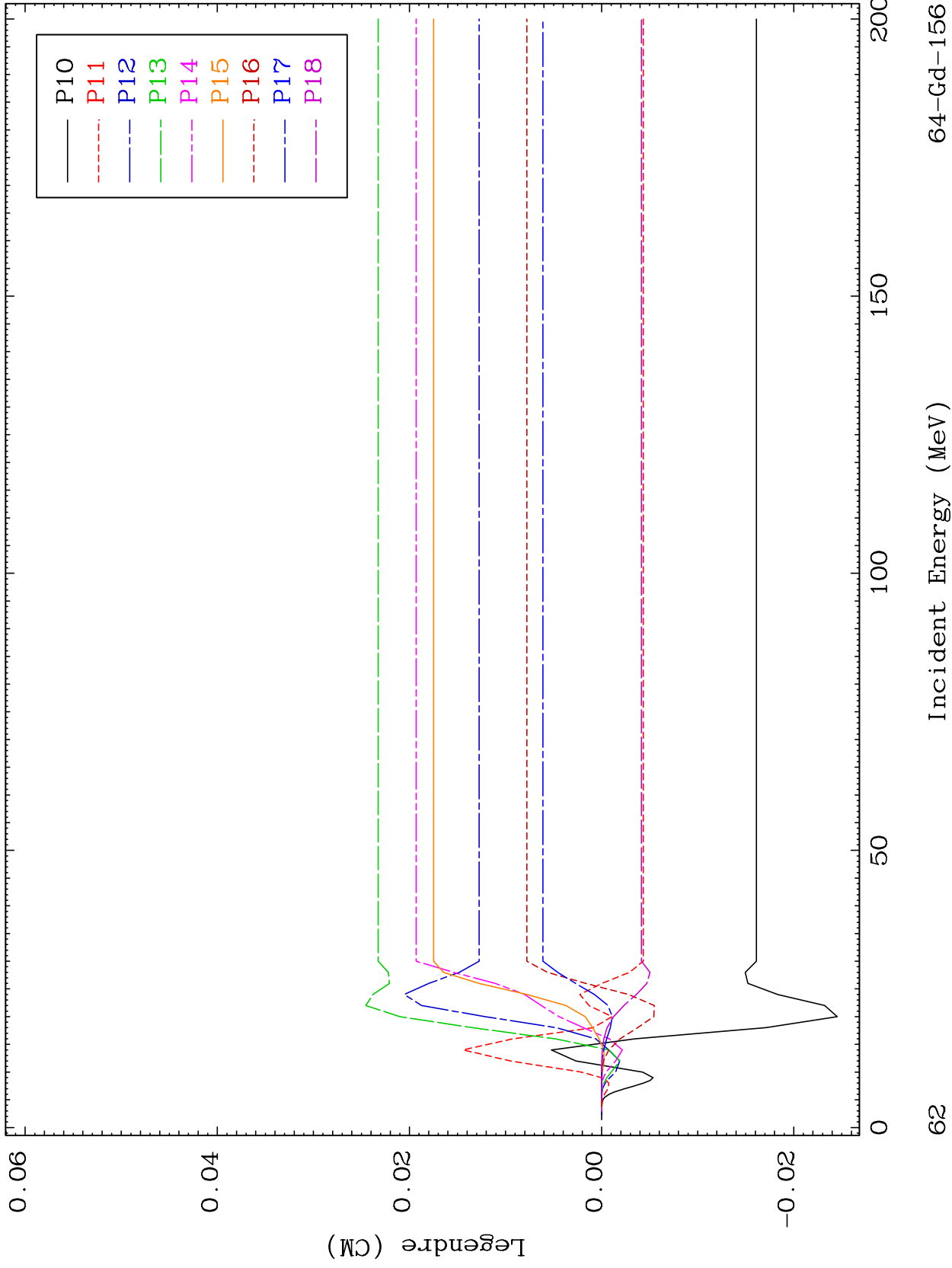
Incident Energy (MeV)

61

MAT 6437

1.276 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

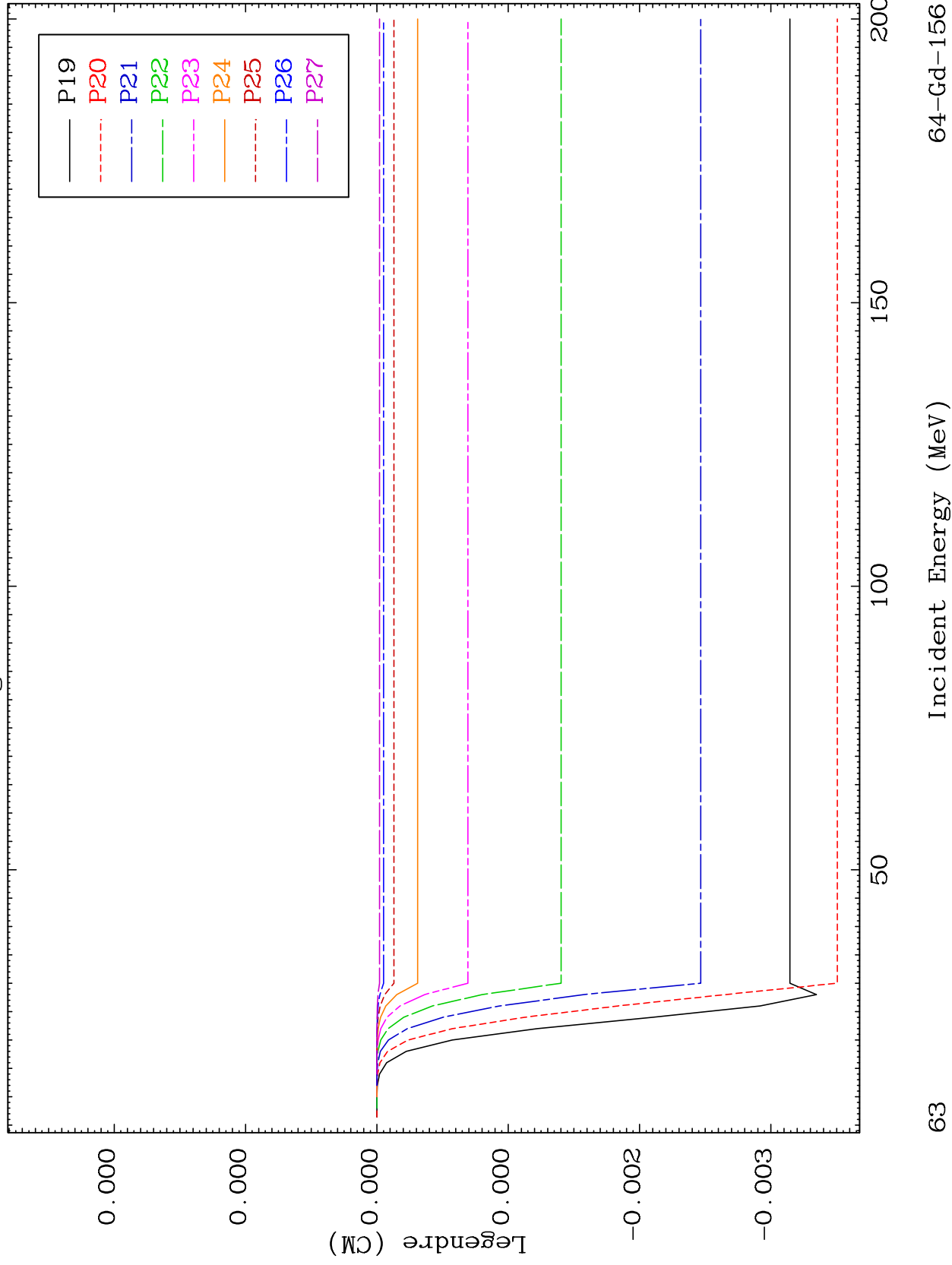
Incident Energy (MeV)

62

MAT 6437

1.276 MeV (n,n') Level
Legendre Coefficients

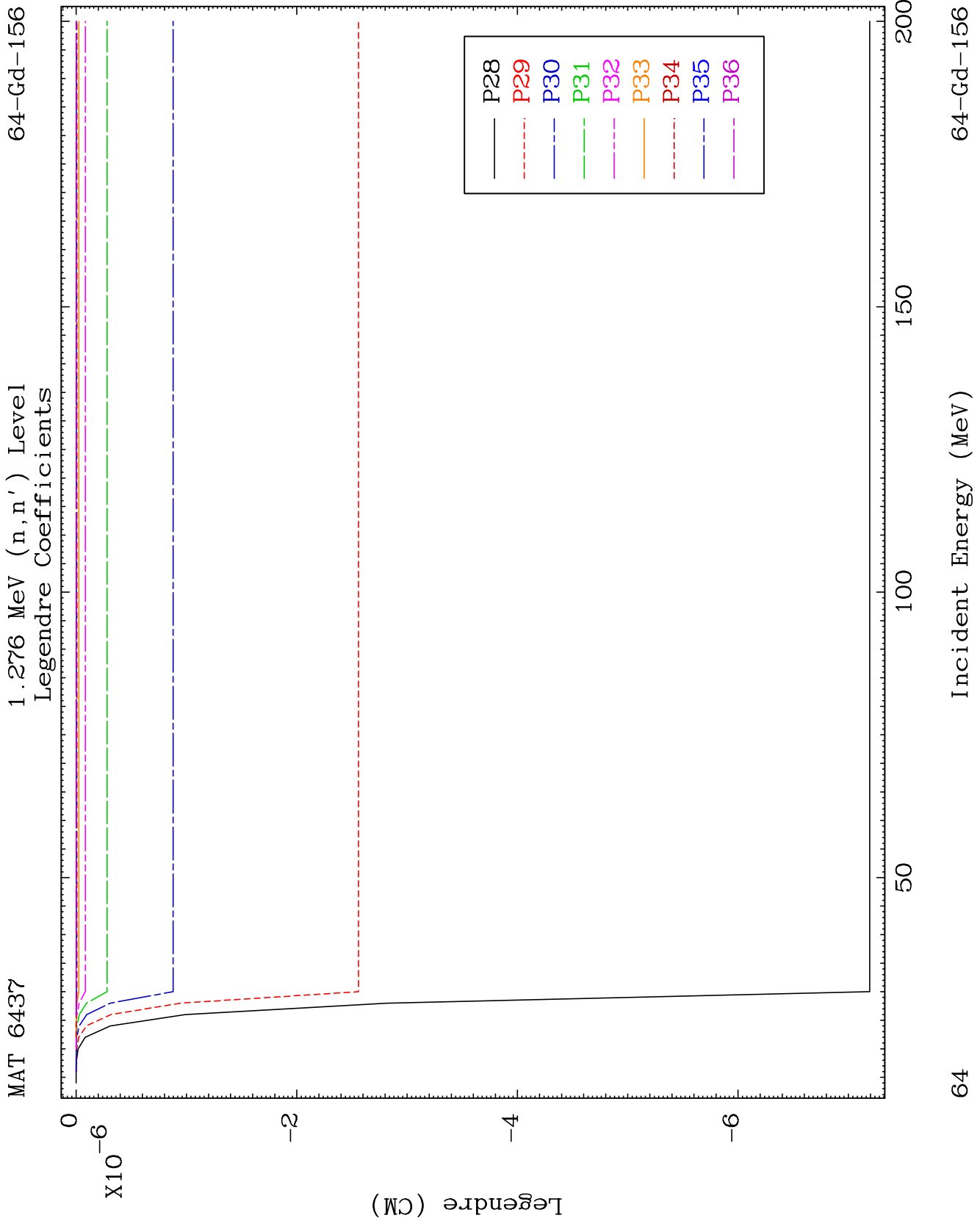
64-Gd-156



63

Incident Energy (MeV)

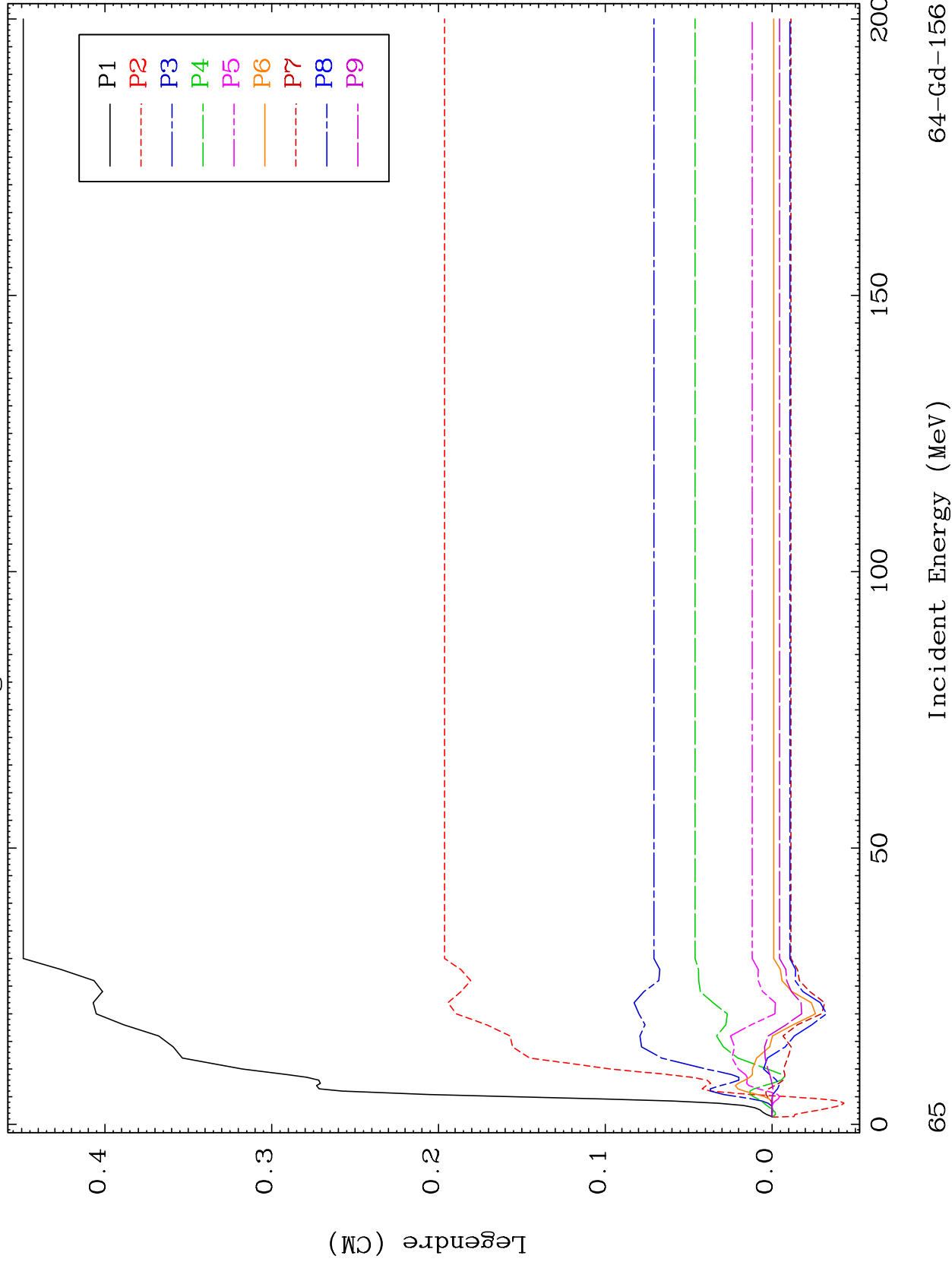
64-Gd-156



MAT 6437

1.298 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

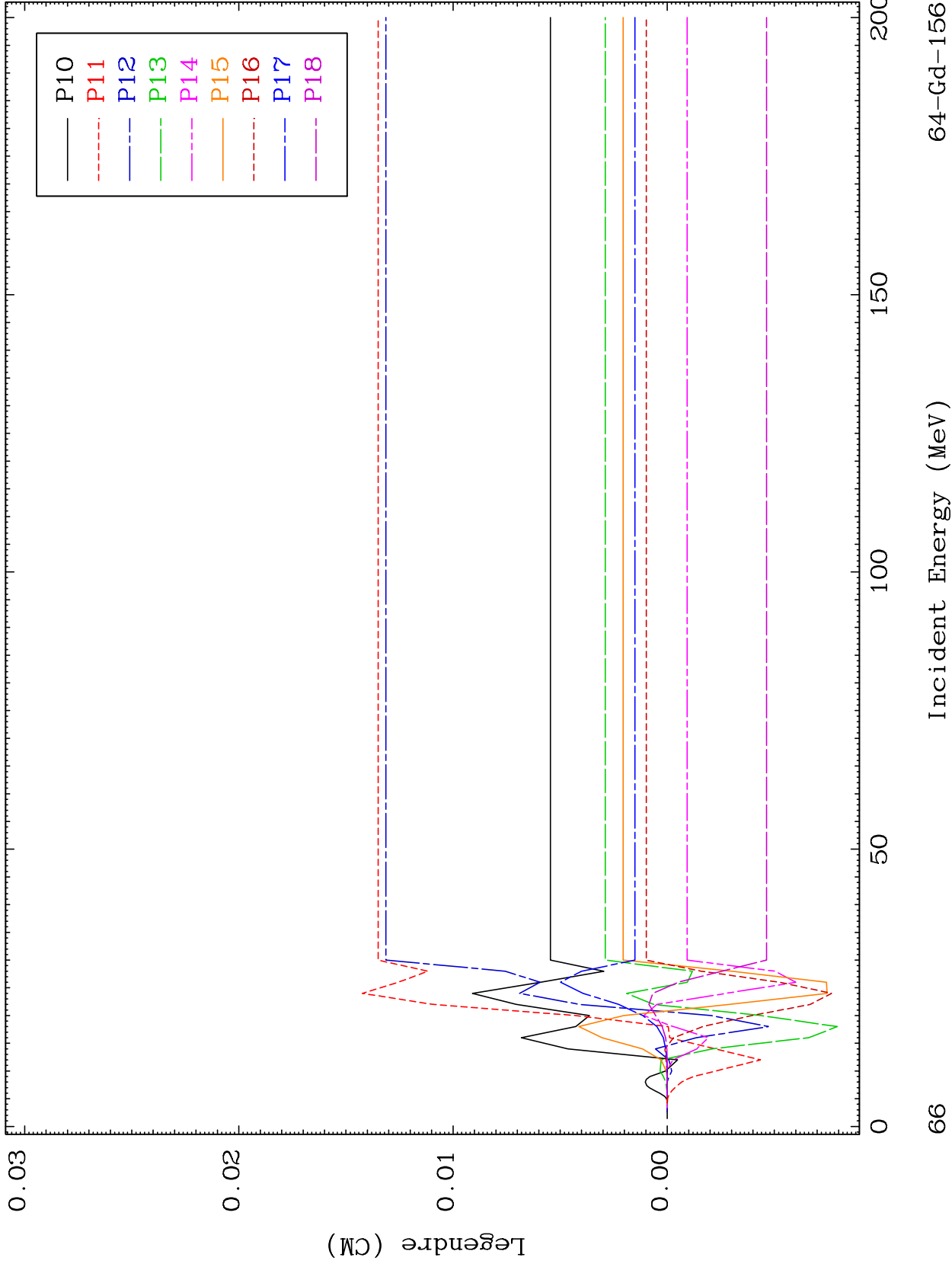
Incident Energy (MeV)

65

MAT 6437

1.298 MeV (n,n') Level
Legendre Coefficients

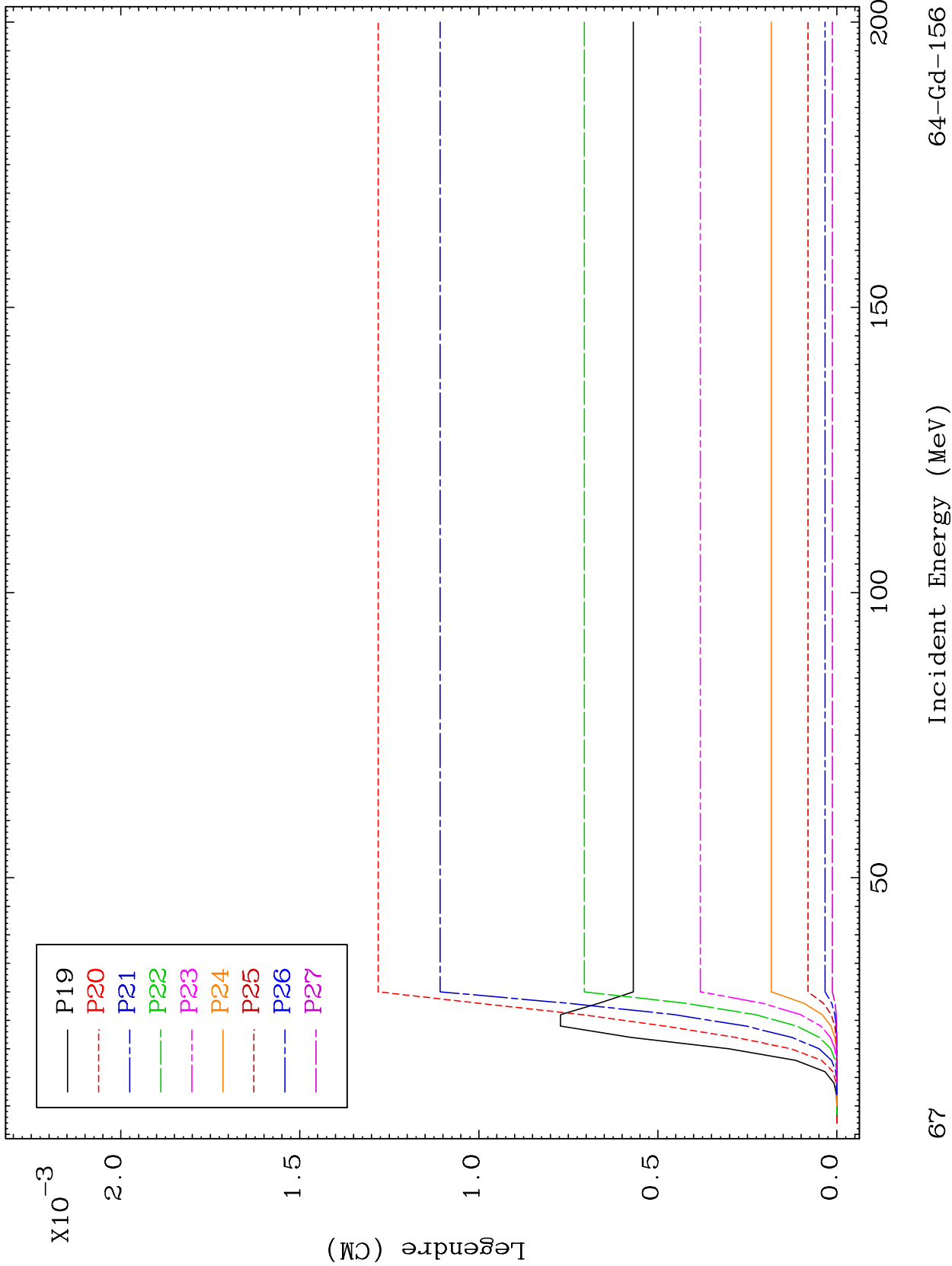
64-Gd-156

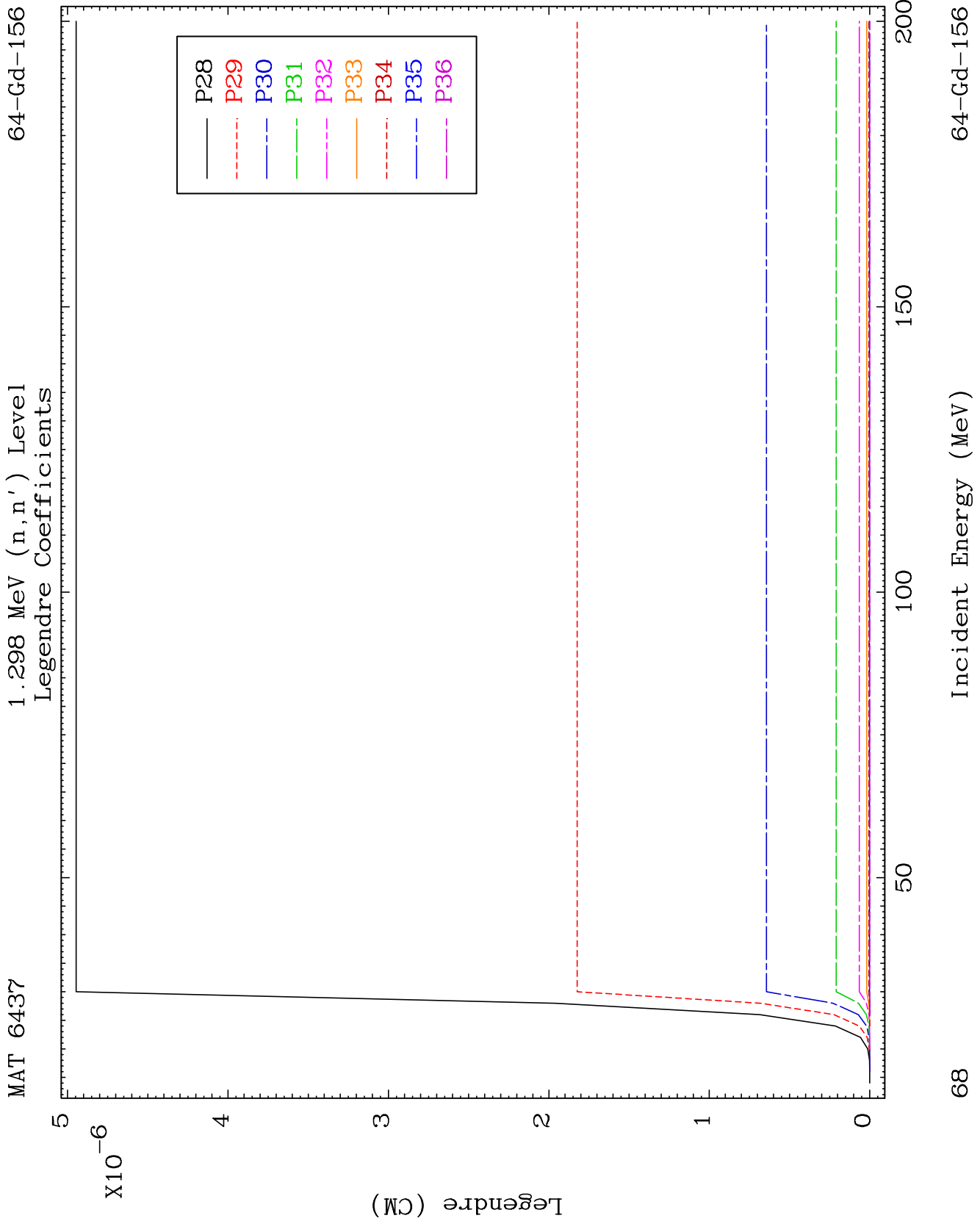


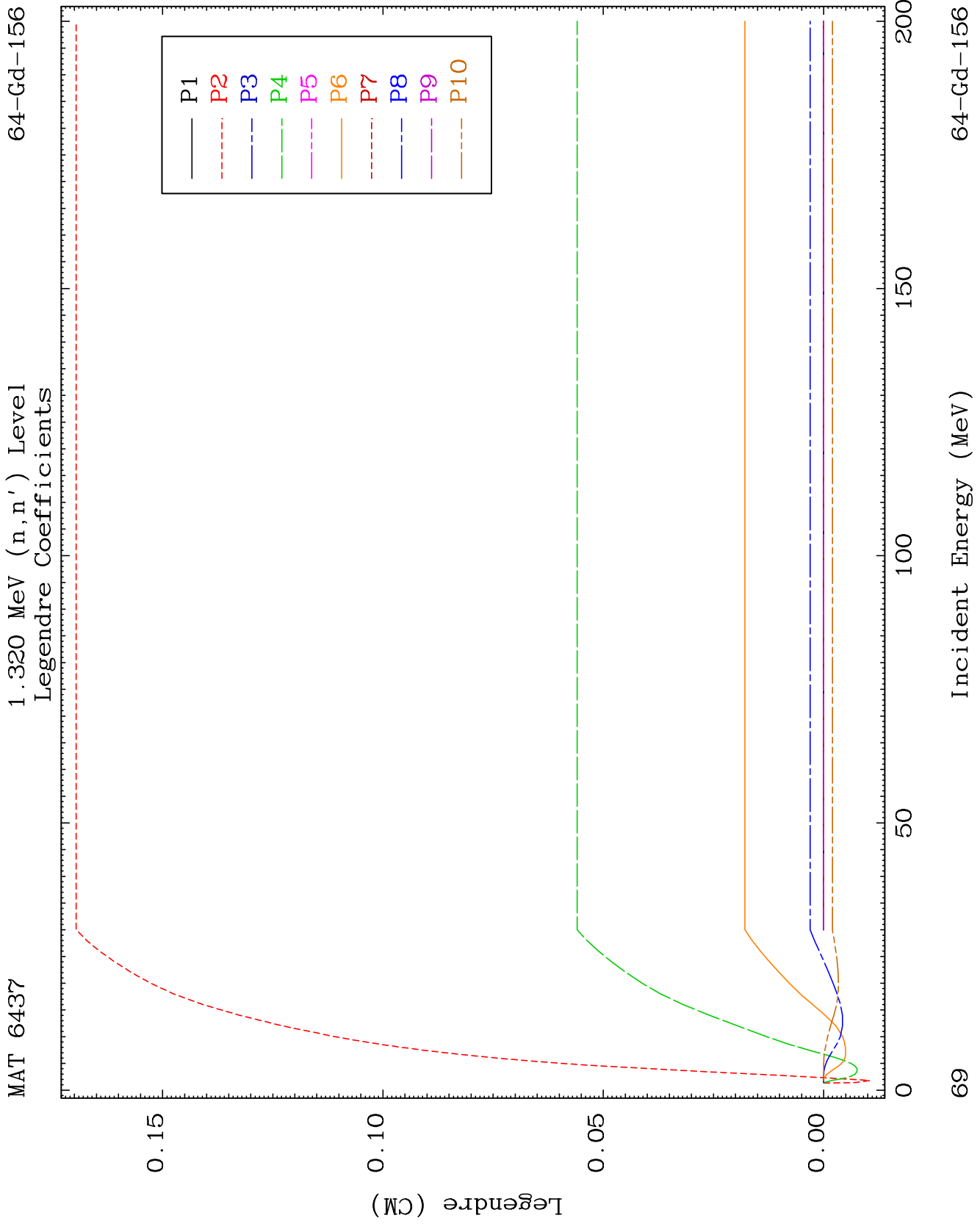
64-Gd-156

Incident Energy (MeV)

66



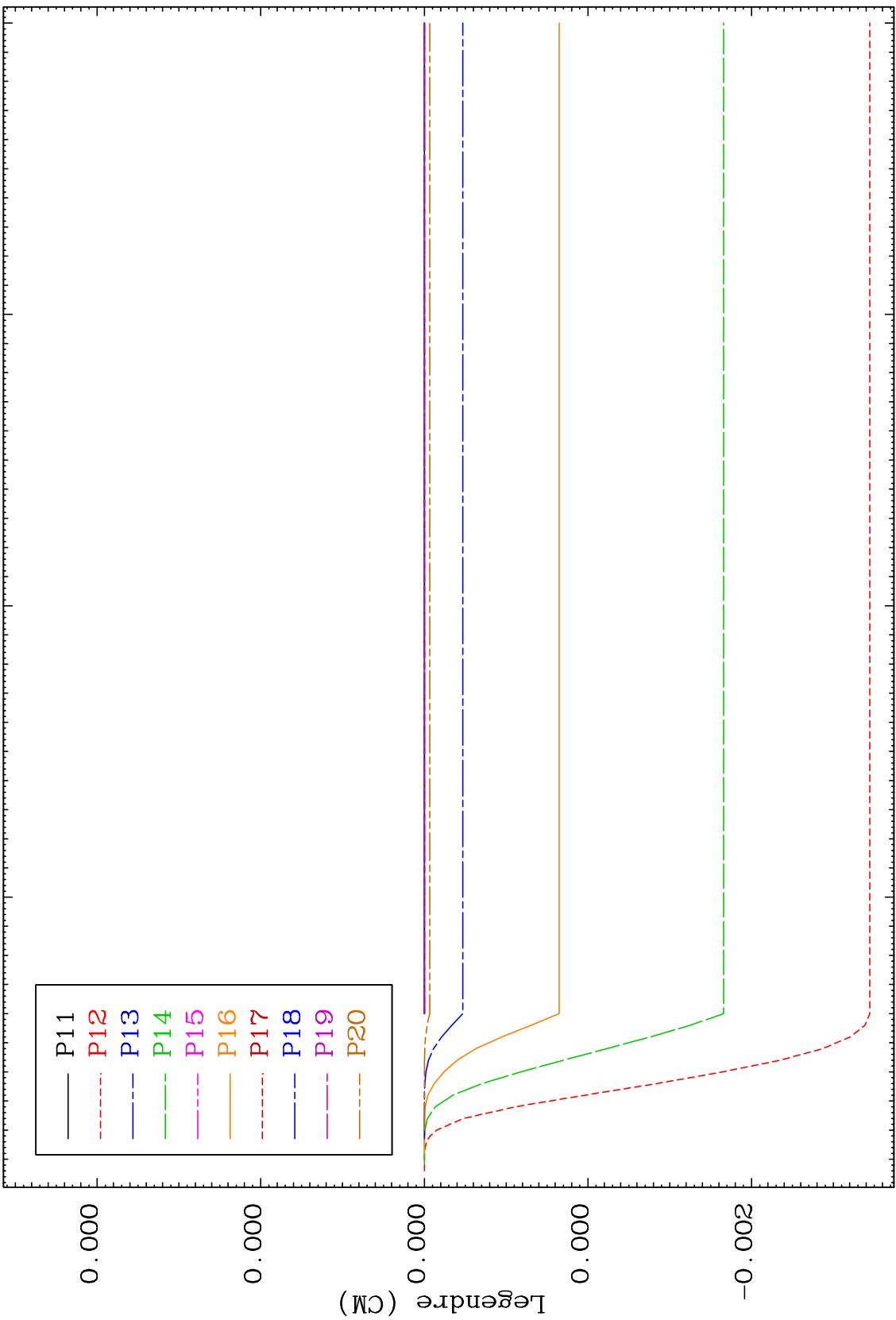




MAT 6437

1.320 MeV (n,n') Level
Legendre Coefficients

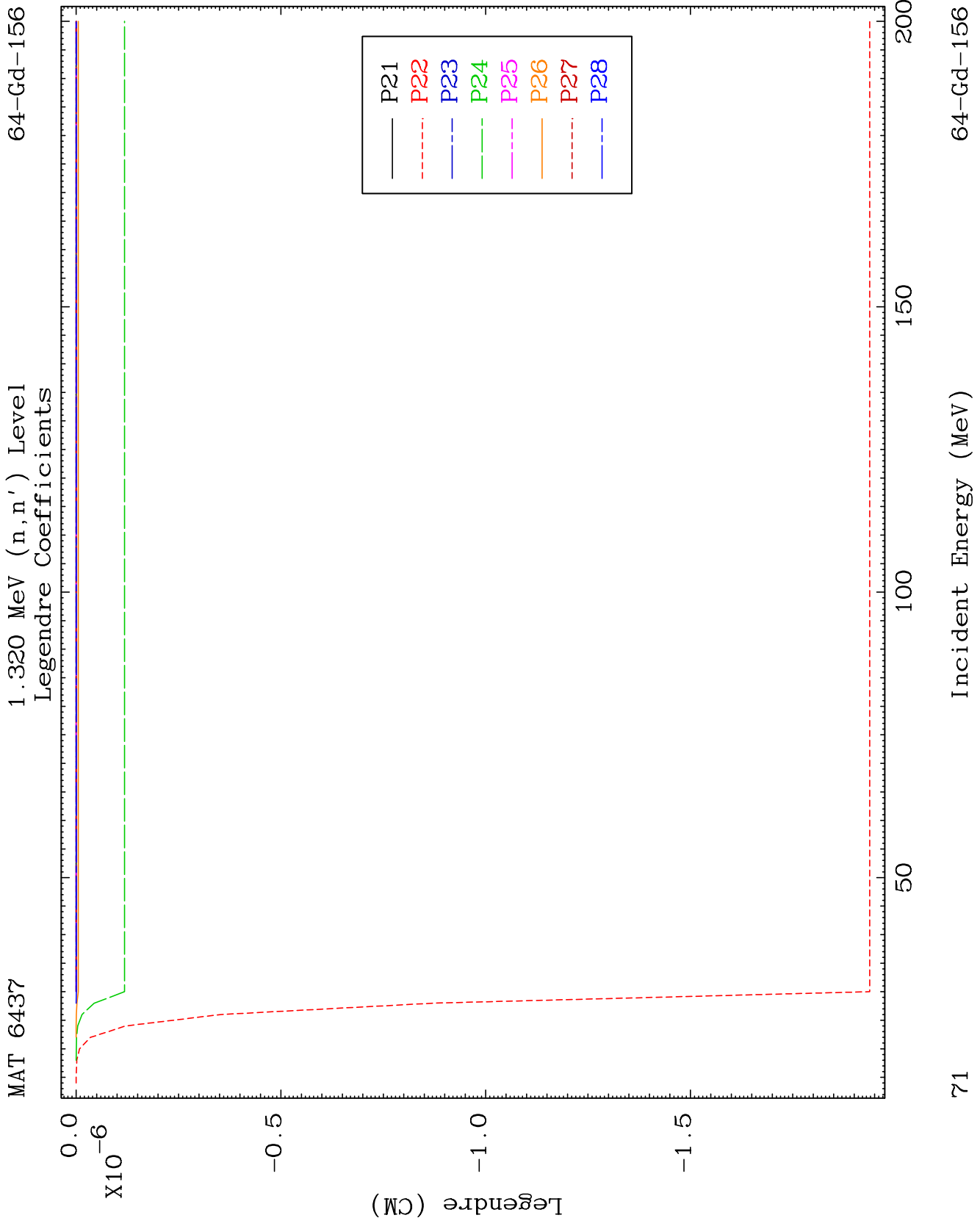
64-Gd-156



70

Incident Energy (MeV)

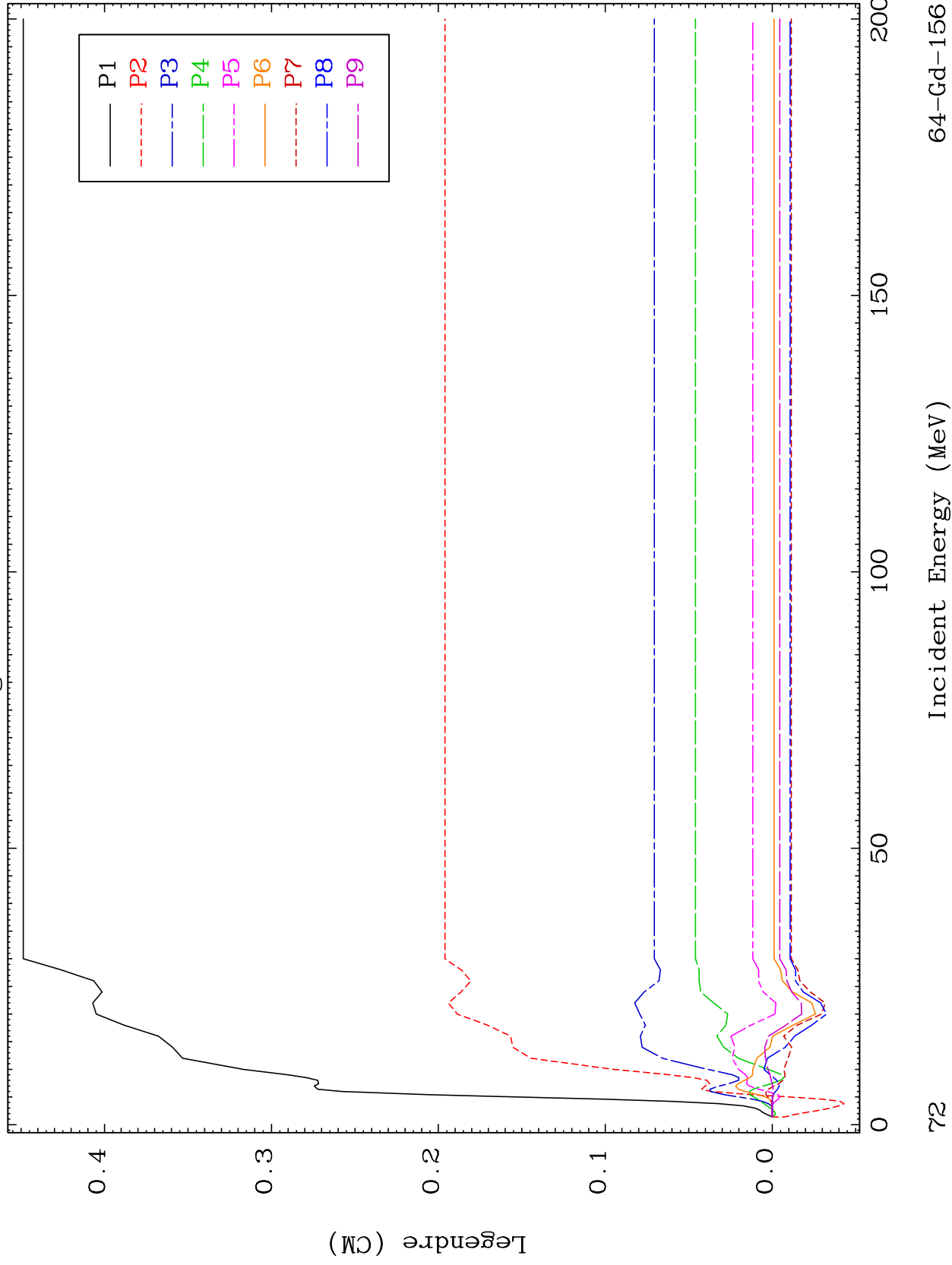
64-Gd-156



MAT 6437

1.355 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

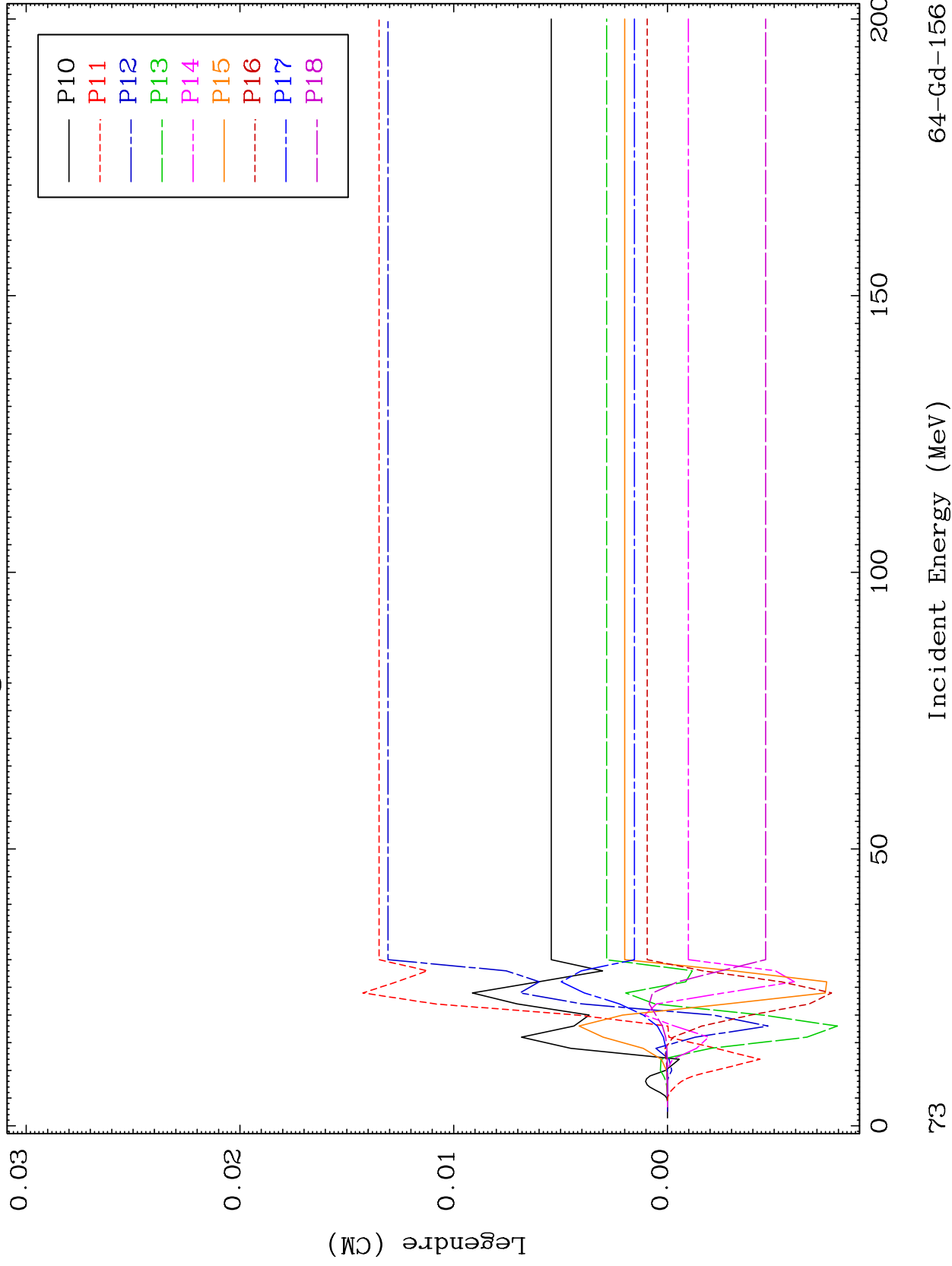
Incident Energy (MeV)

72

MAT 6437

1.355 MeV (n,n') Level
Legendre Coefficients

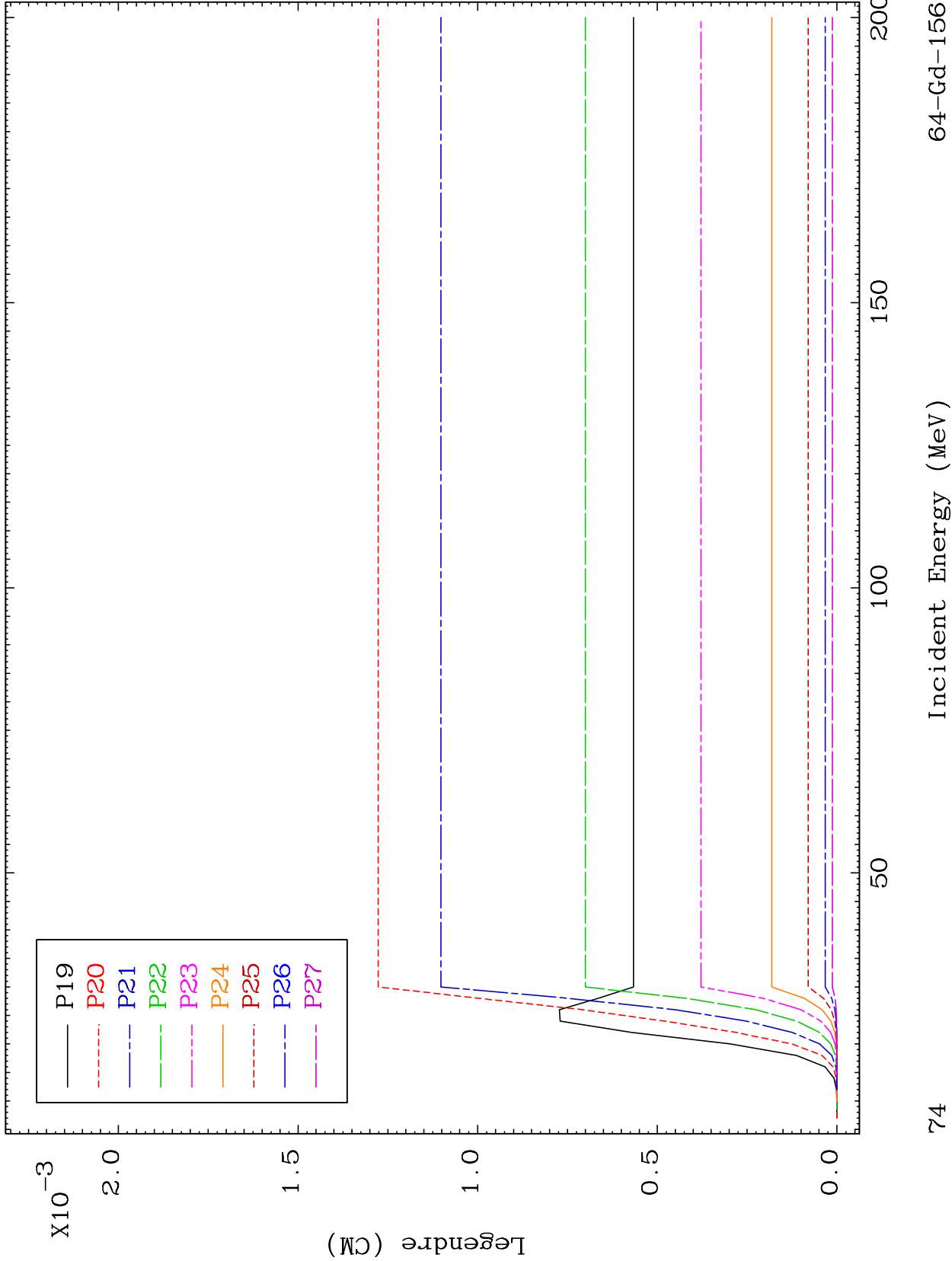
64-Gd-156



64-Gd-156

Incident Energy (MeV)

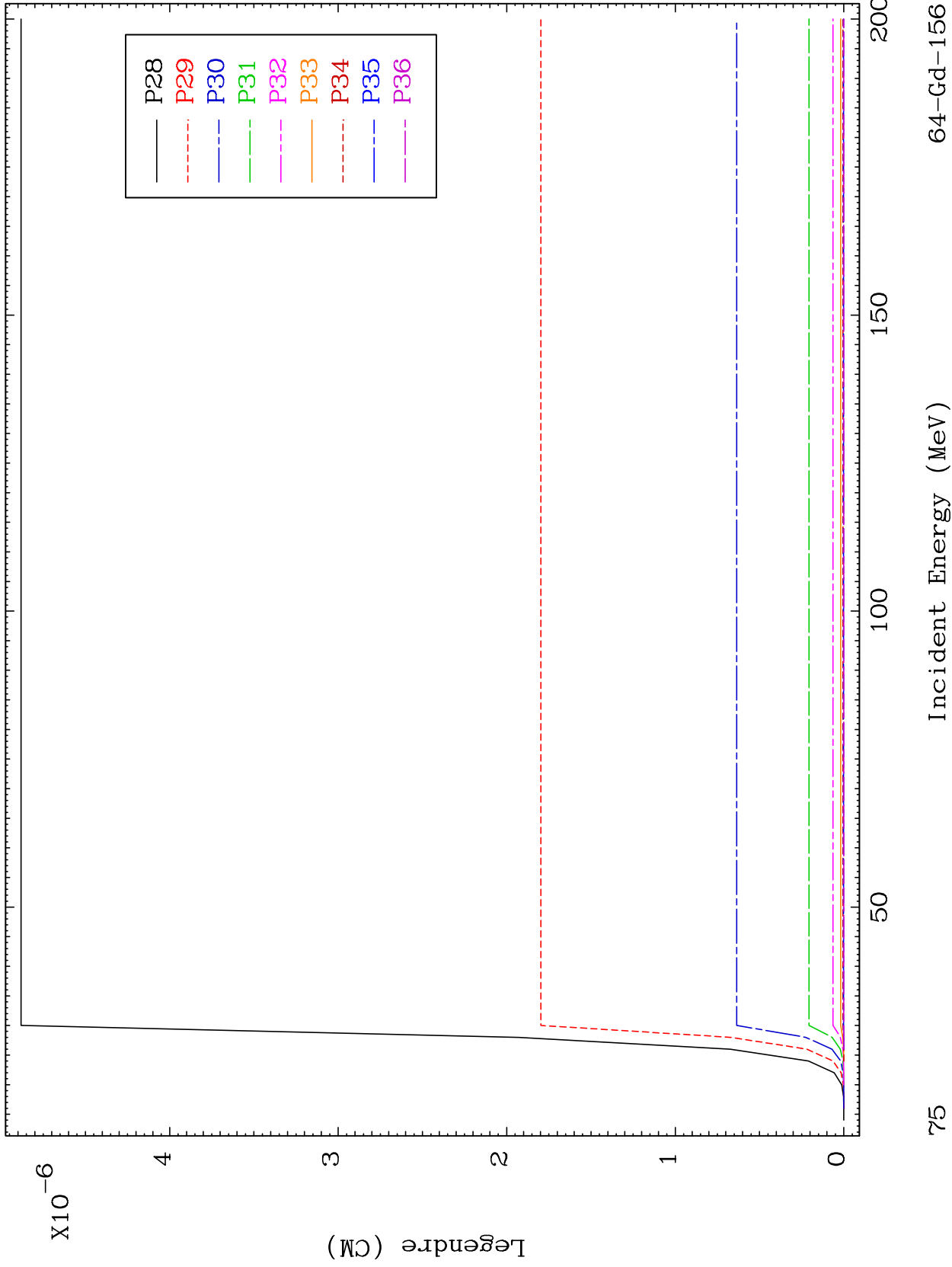
73



MAT 6437

1.355 MeV (n,n') Level
Legendre Coefficients

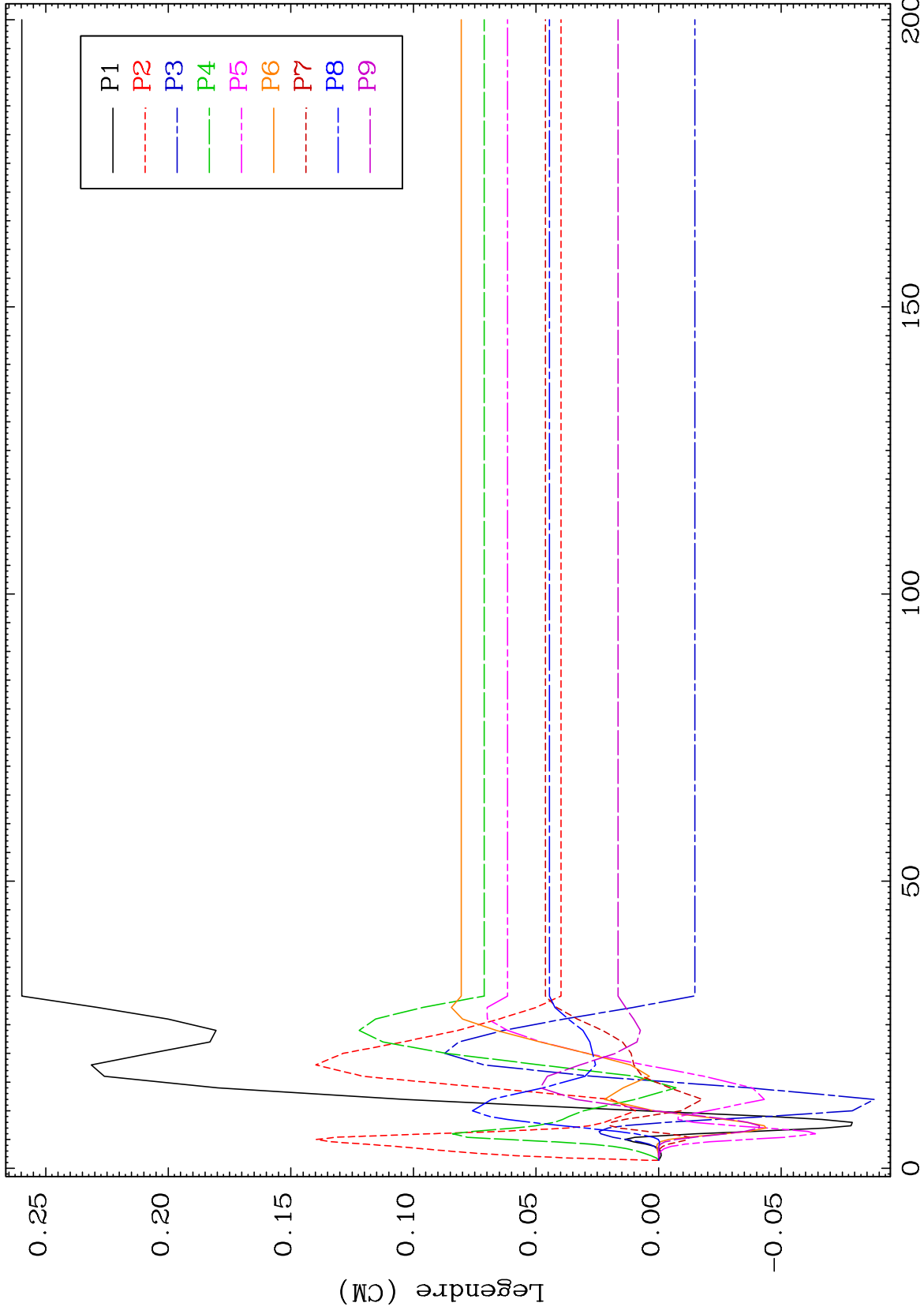
64-Gd-156



MAT 6437

1.367 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



76

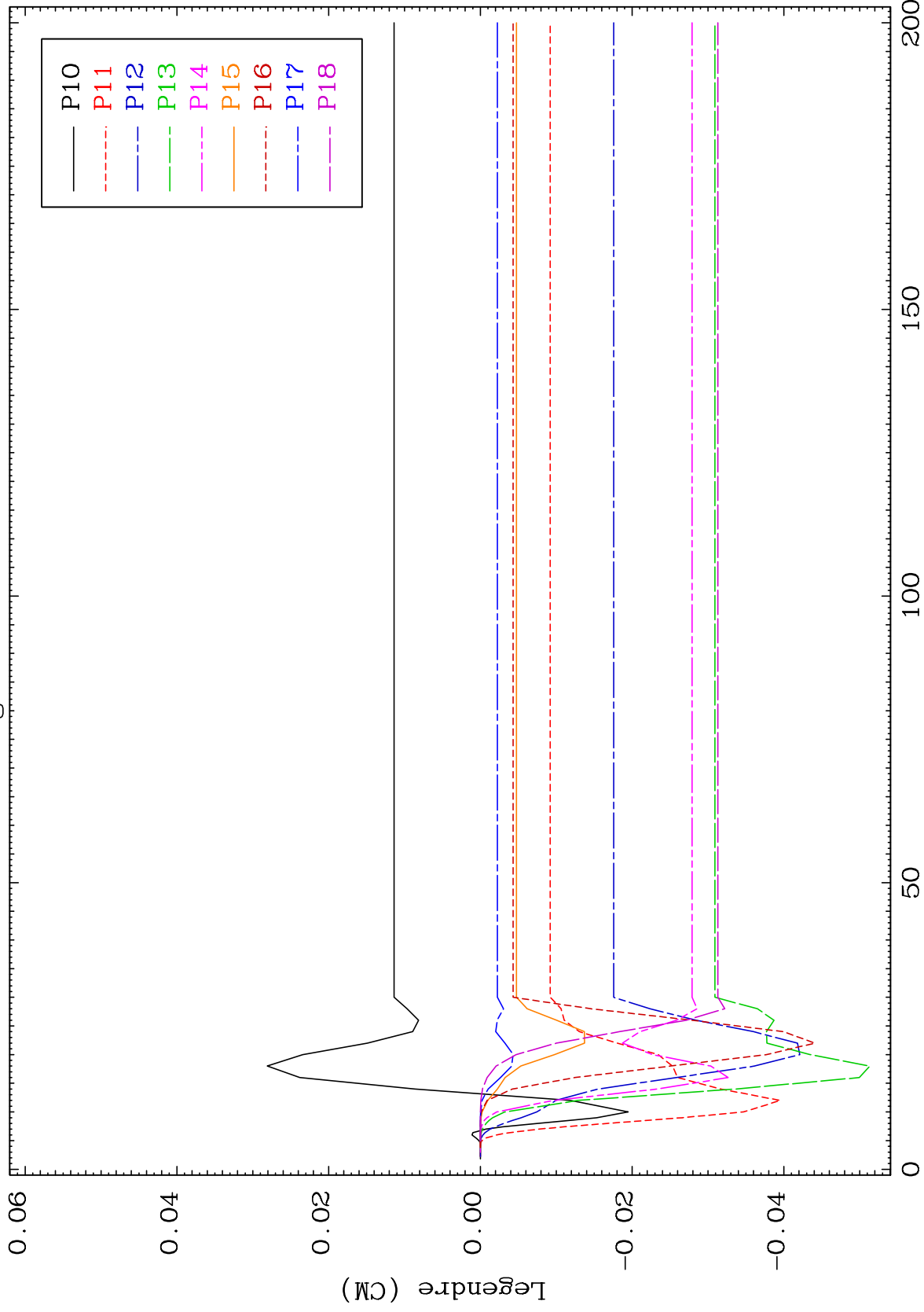
Incident Energy (MeV)

64-Gd-156

MAT 6437

1.367 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



77

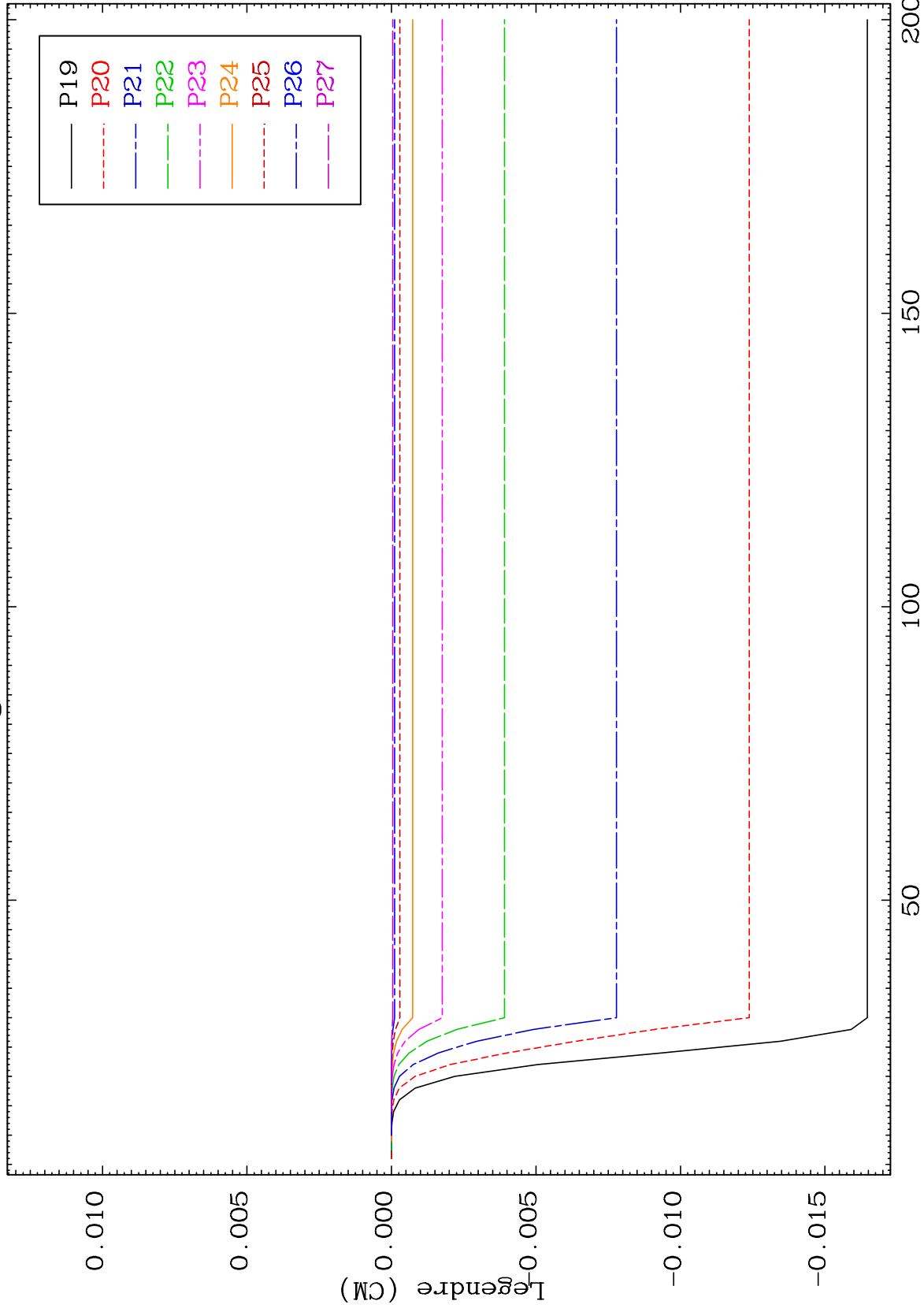
Incident Energy (MeV)

64-Gd-156

MAT 6437

1.367 MeV (n,n') Level
Legendre Coefficients

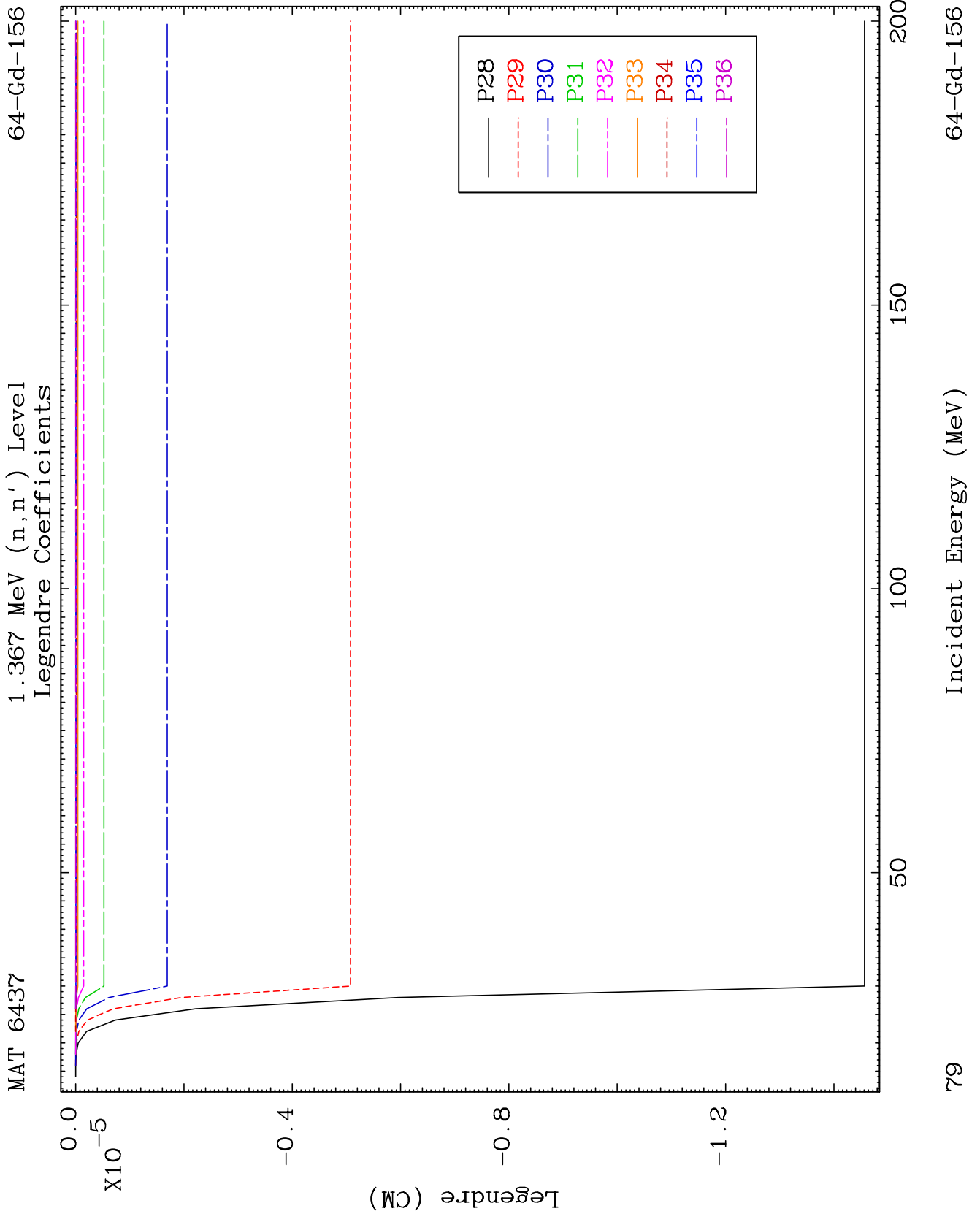
64-Gd-156



78

Incident Energy (MeV)

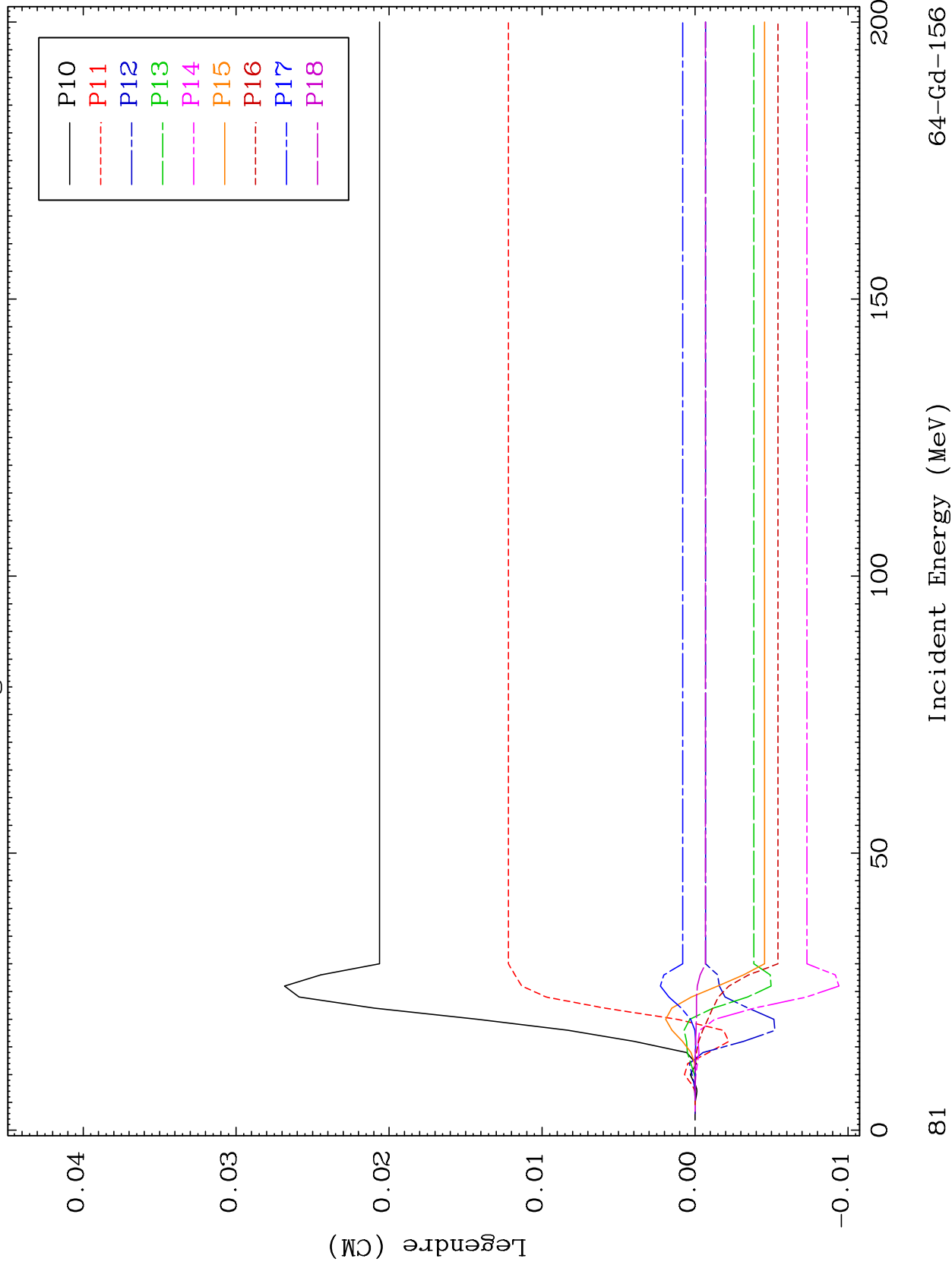
64-Gd-156



MAT 6437

1.408 MeV (n,n') Level
Legendre Coefficients

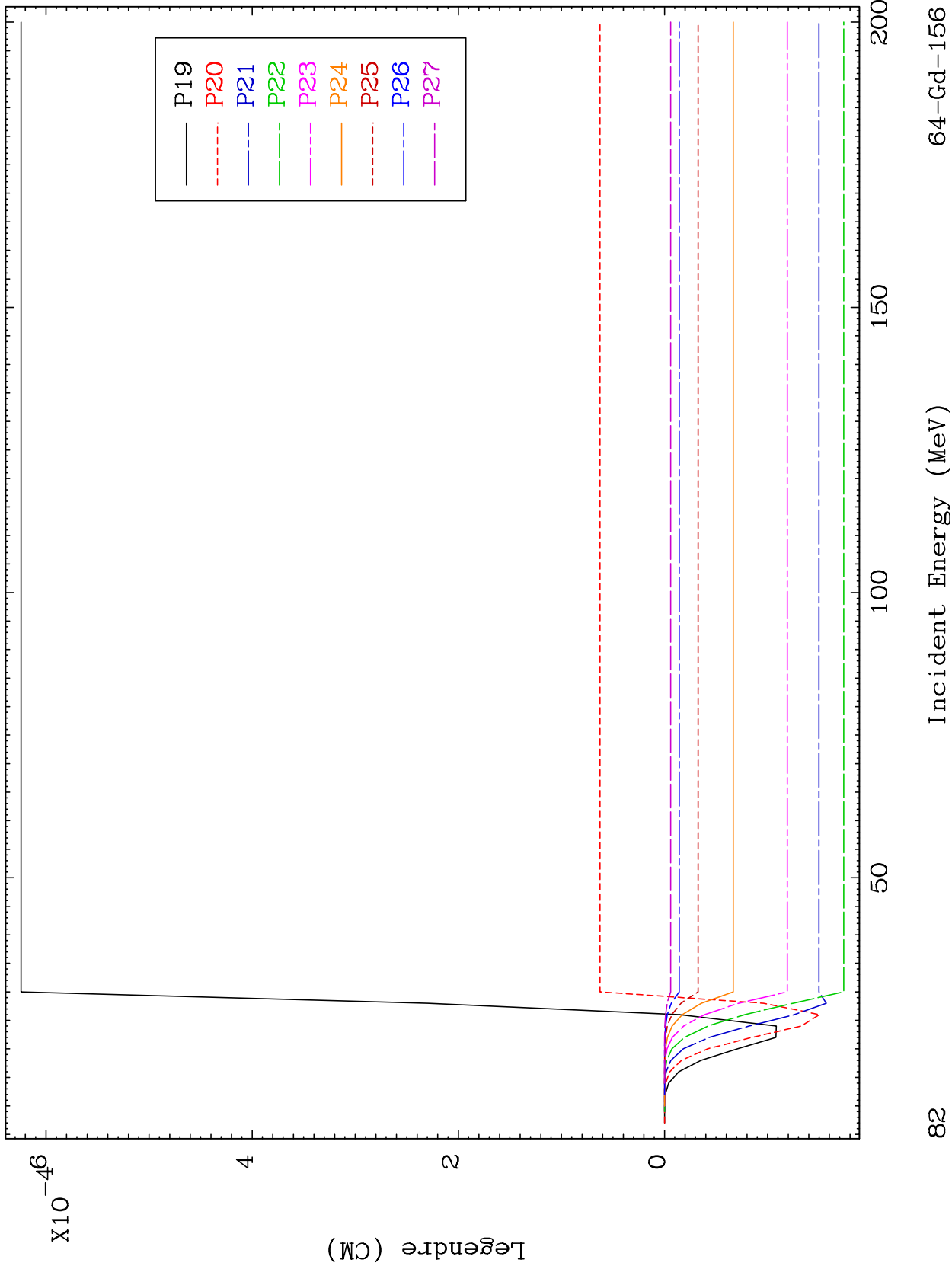
64-Gd-156

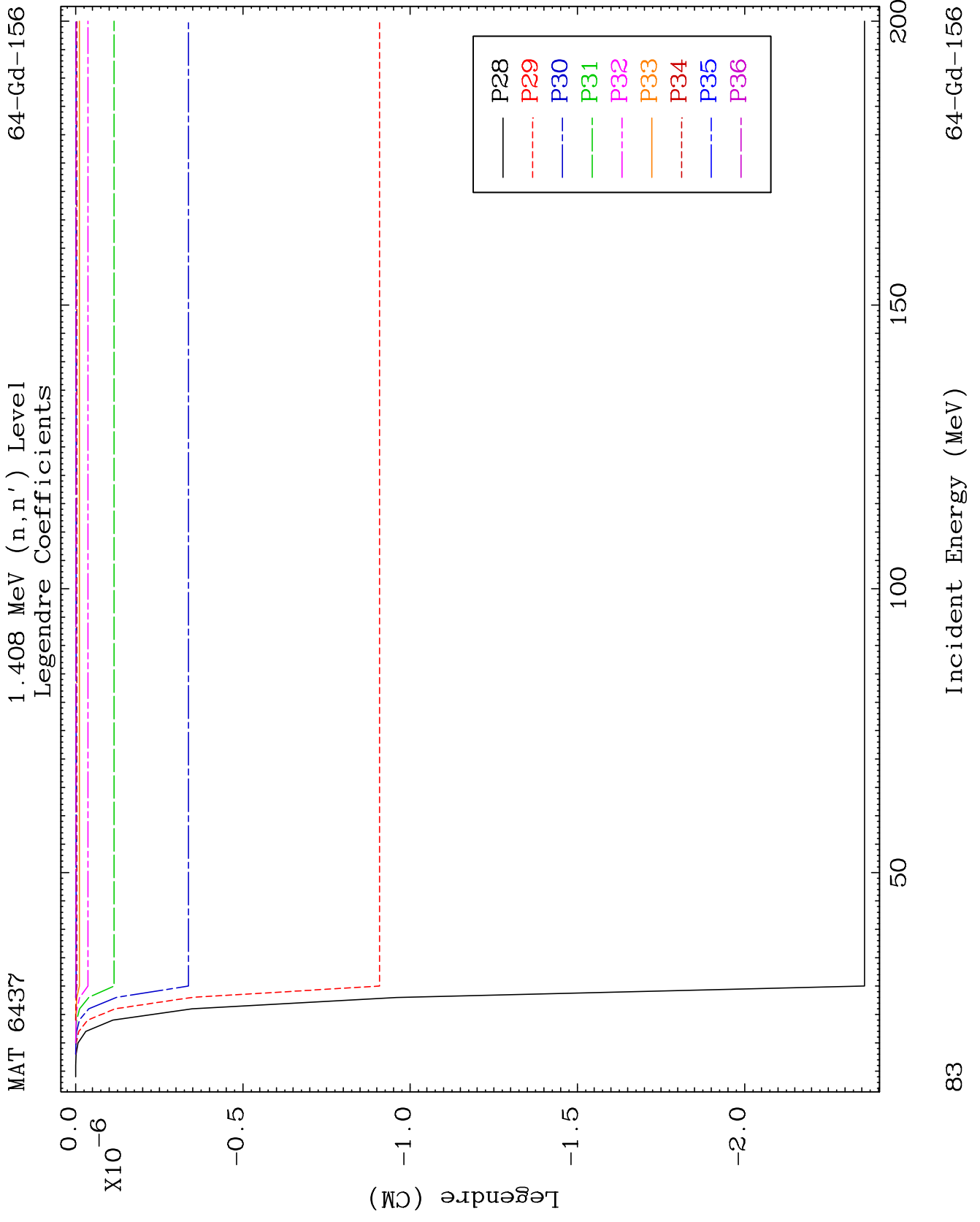


81

Incident Energy (MeV)

64-Gd-156

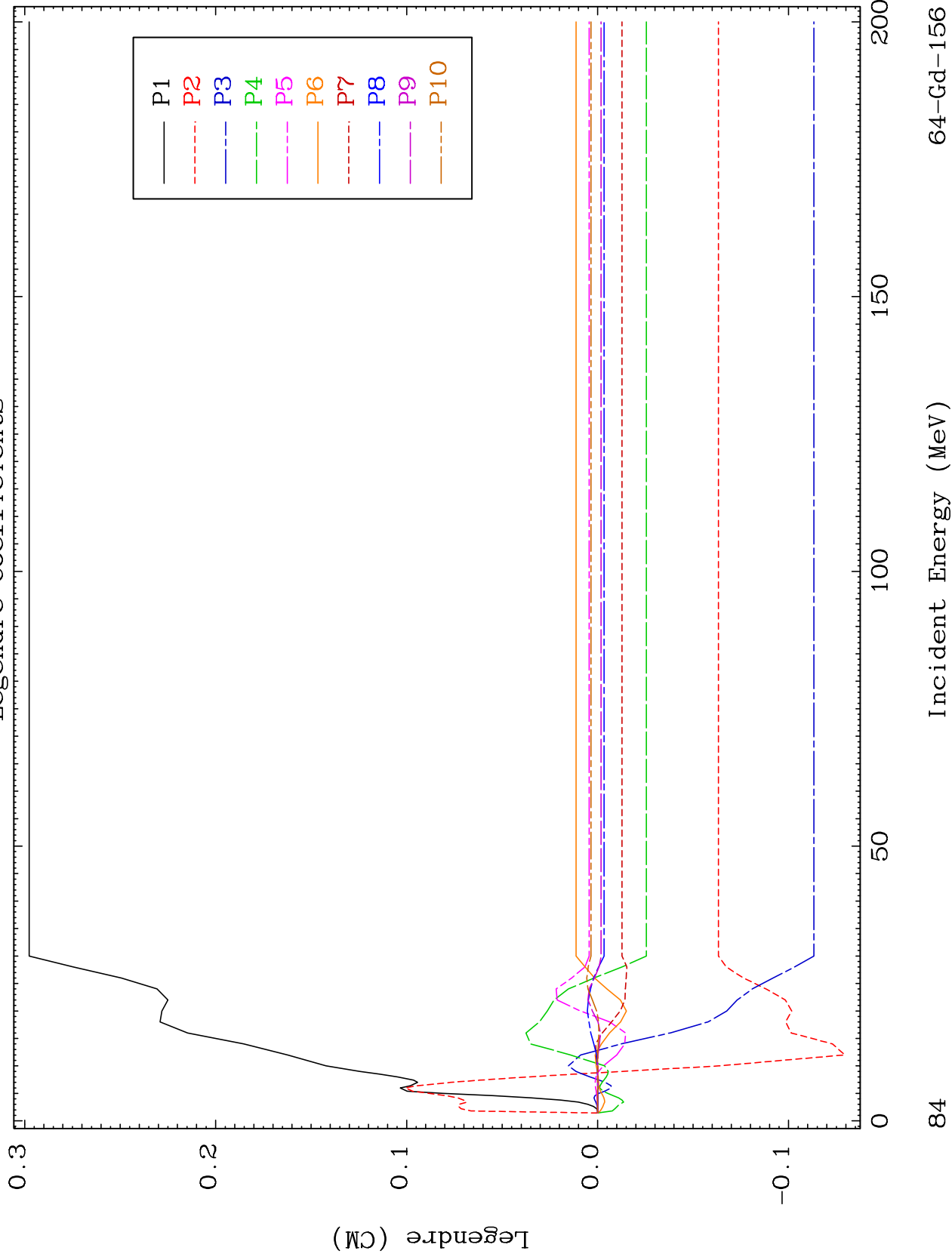




MAT 6437

1.416 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



84

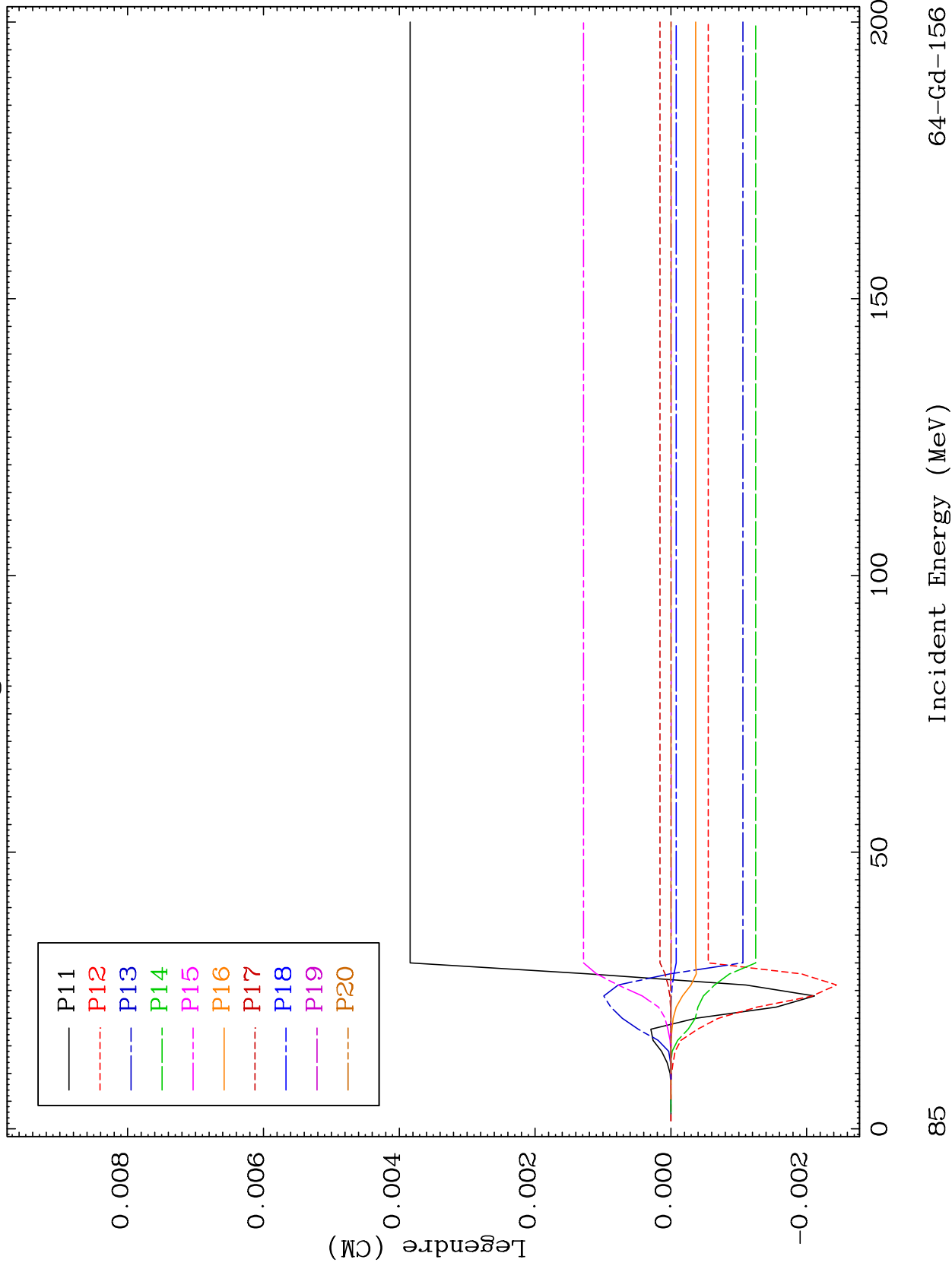
Incident Energy (MeV)

64-Gd-156

MAT 6437

1.416 MeV (n, n') Level
Legendre Coefficients

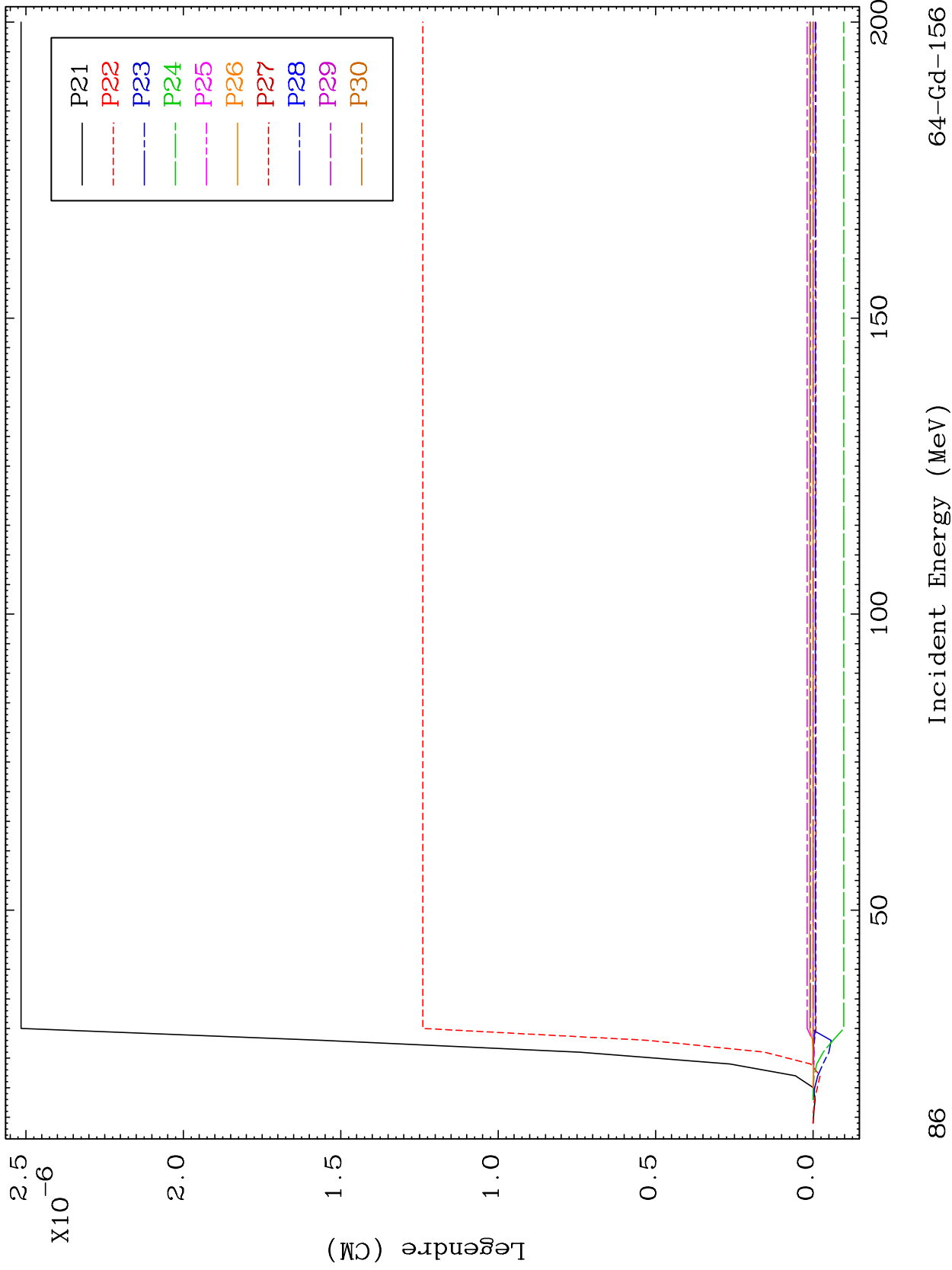
64-Gd-156



85

Incident Energy (MeV)

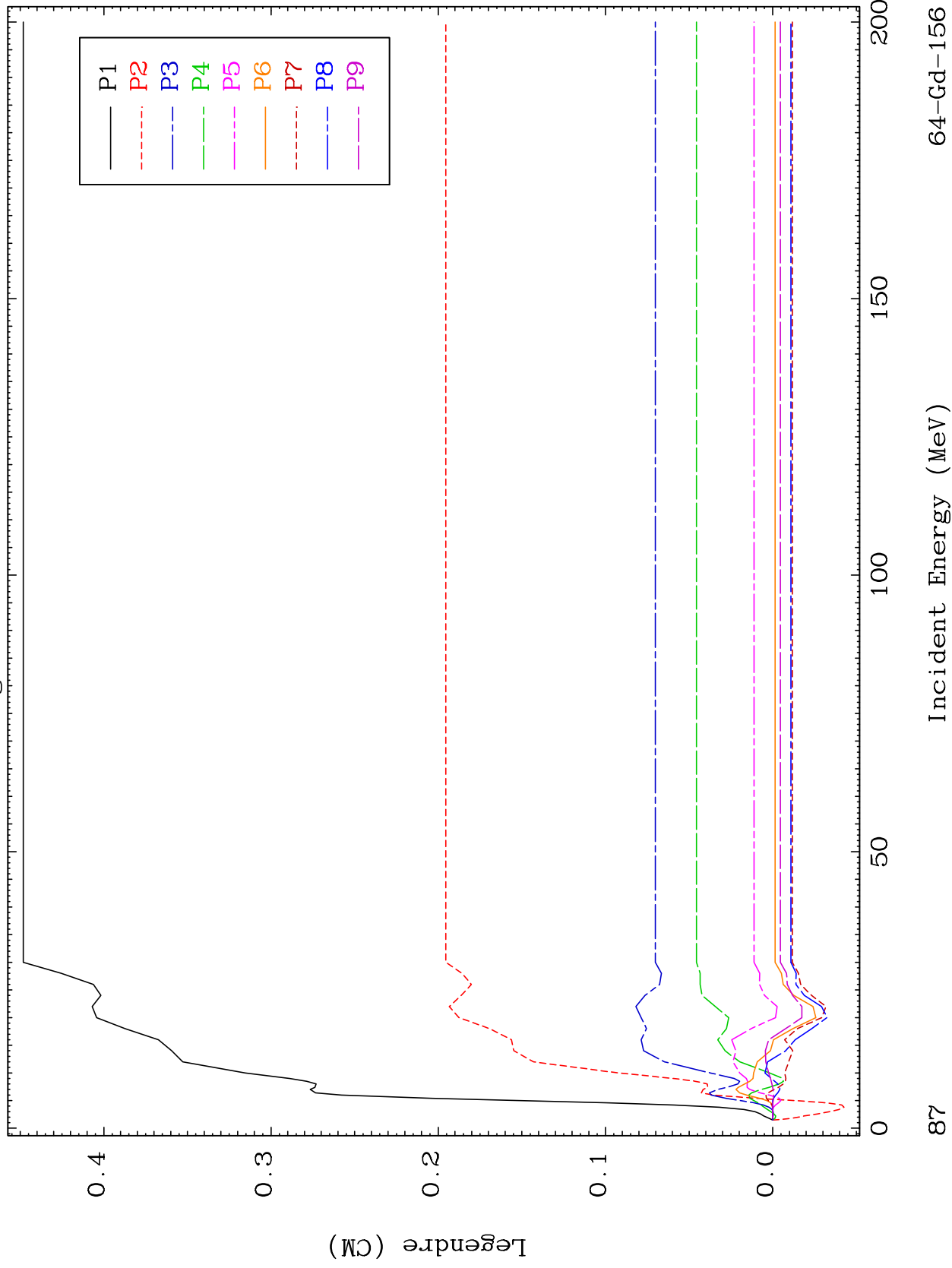
64-Gd-156



MAT 6437

1.462 MeV (n,n') Level
Legendre Coefficients

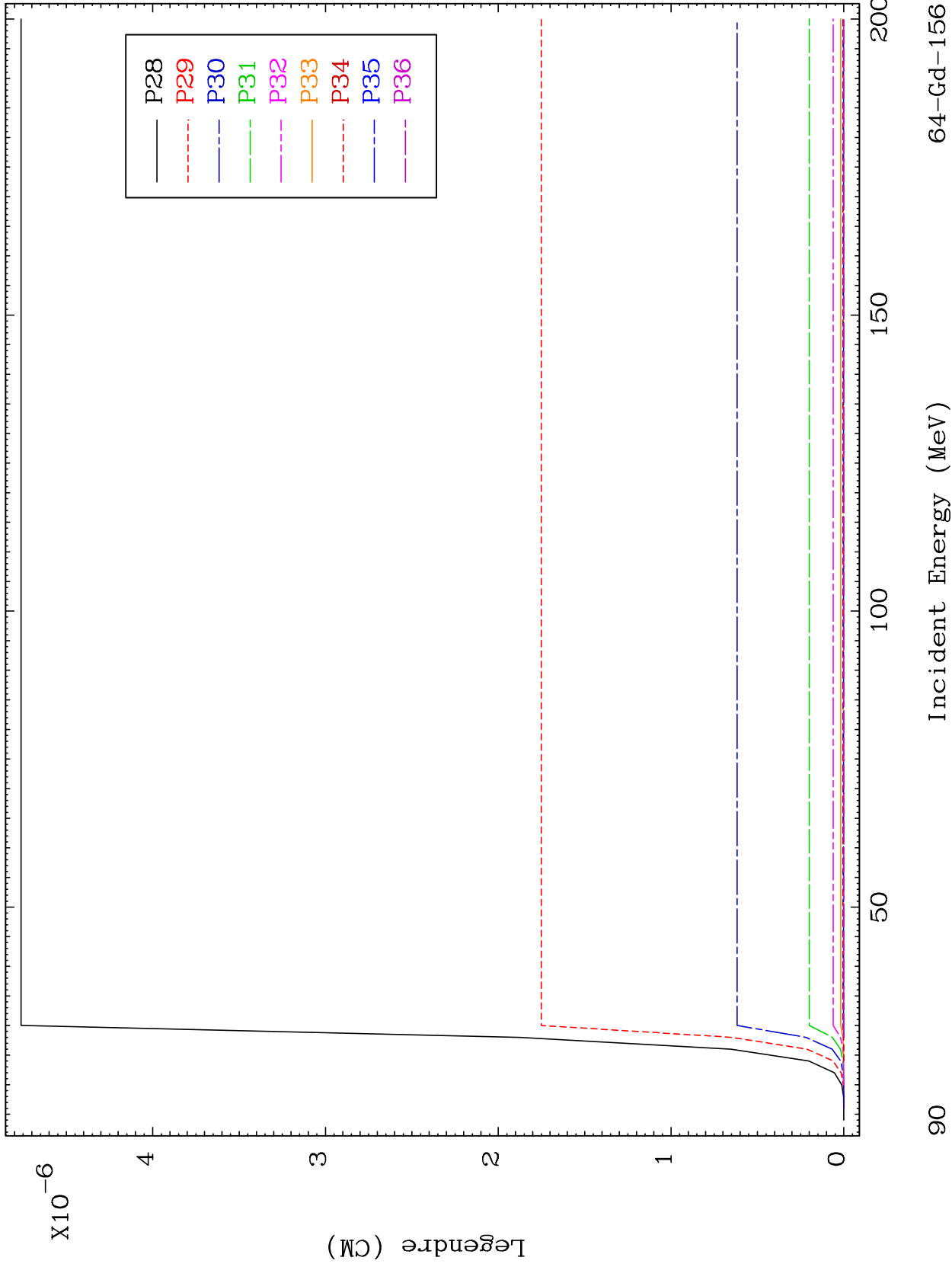
64-Gd-156

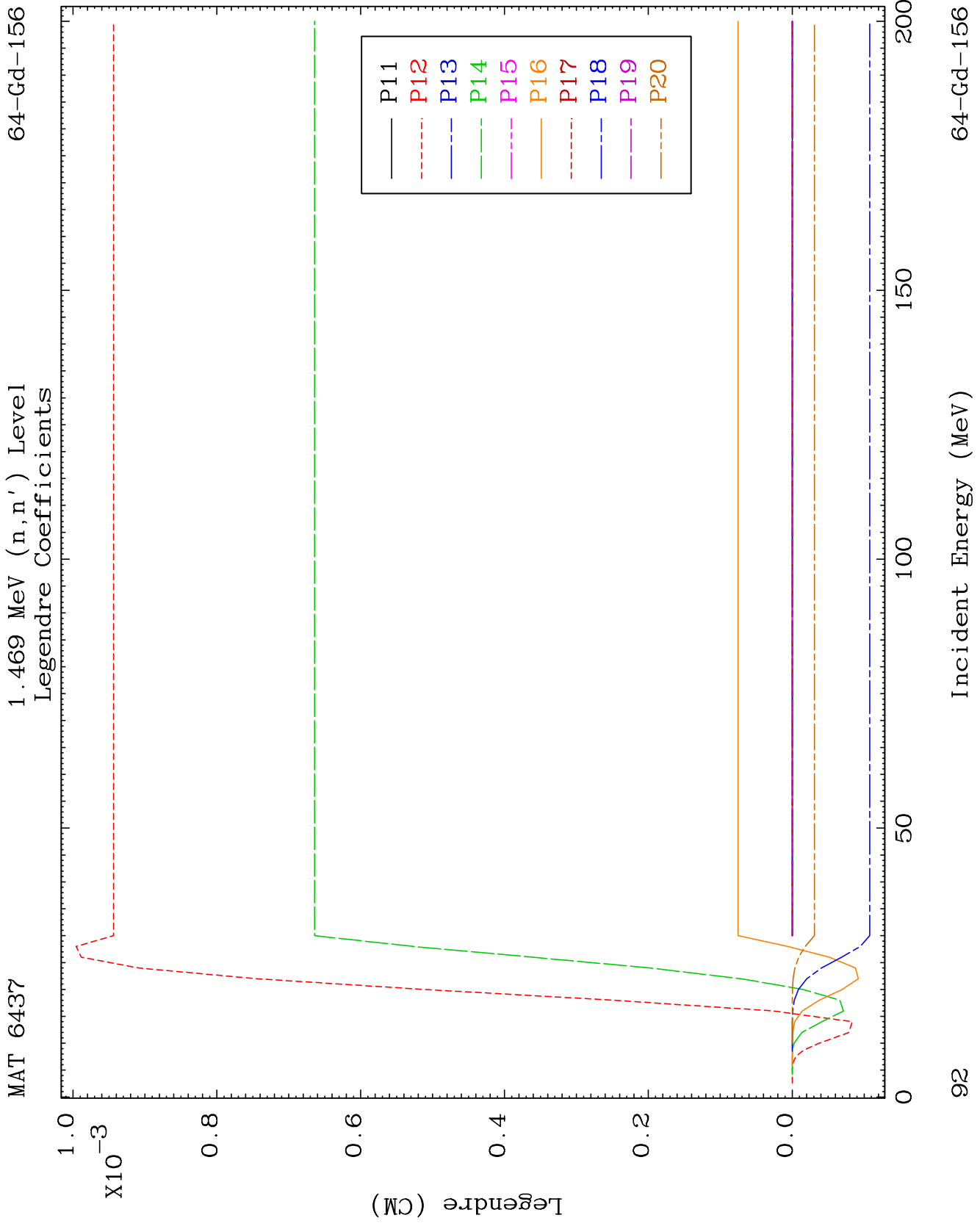


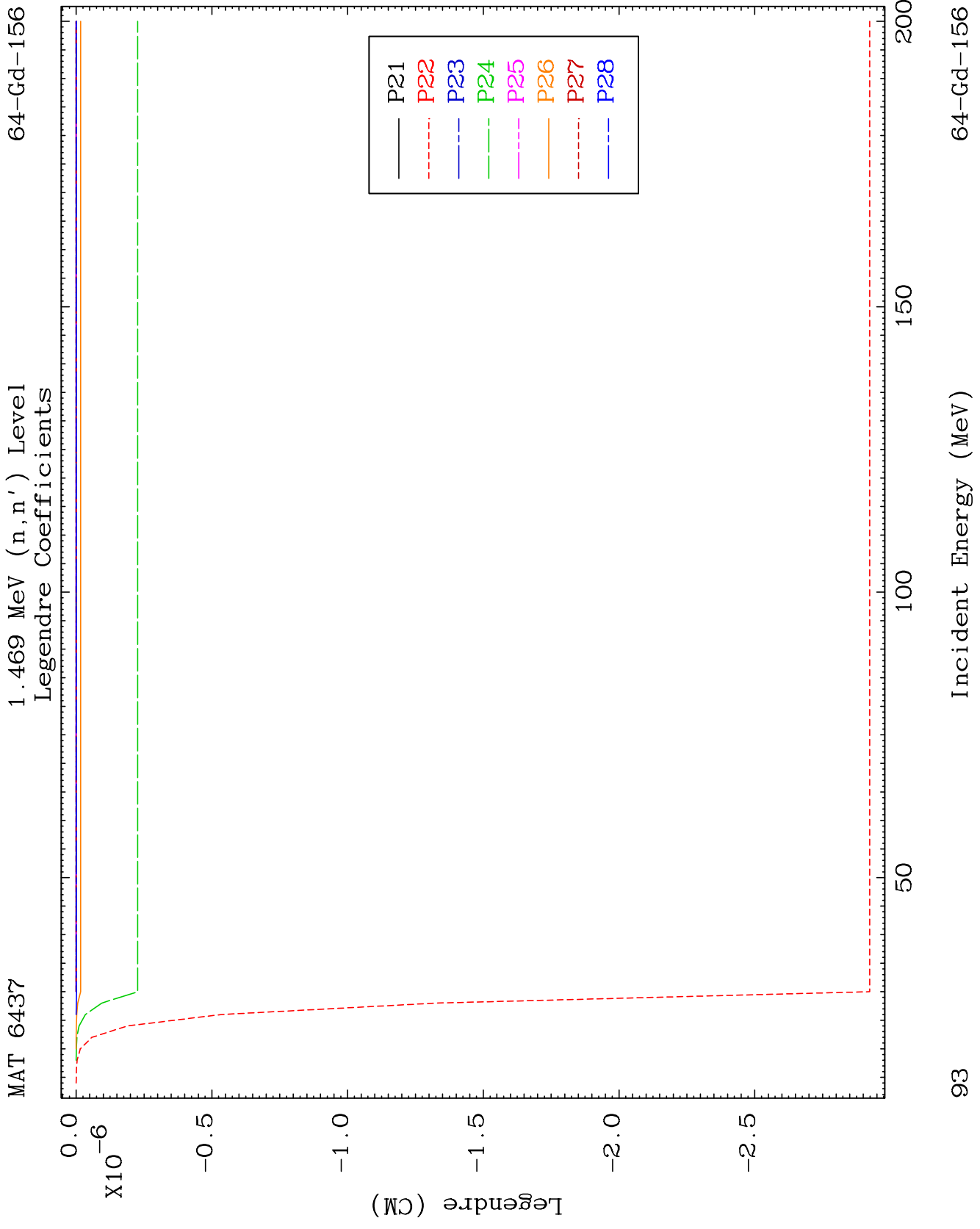
MAT 6437

1.462 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



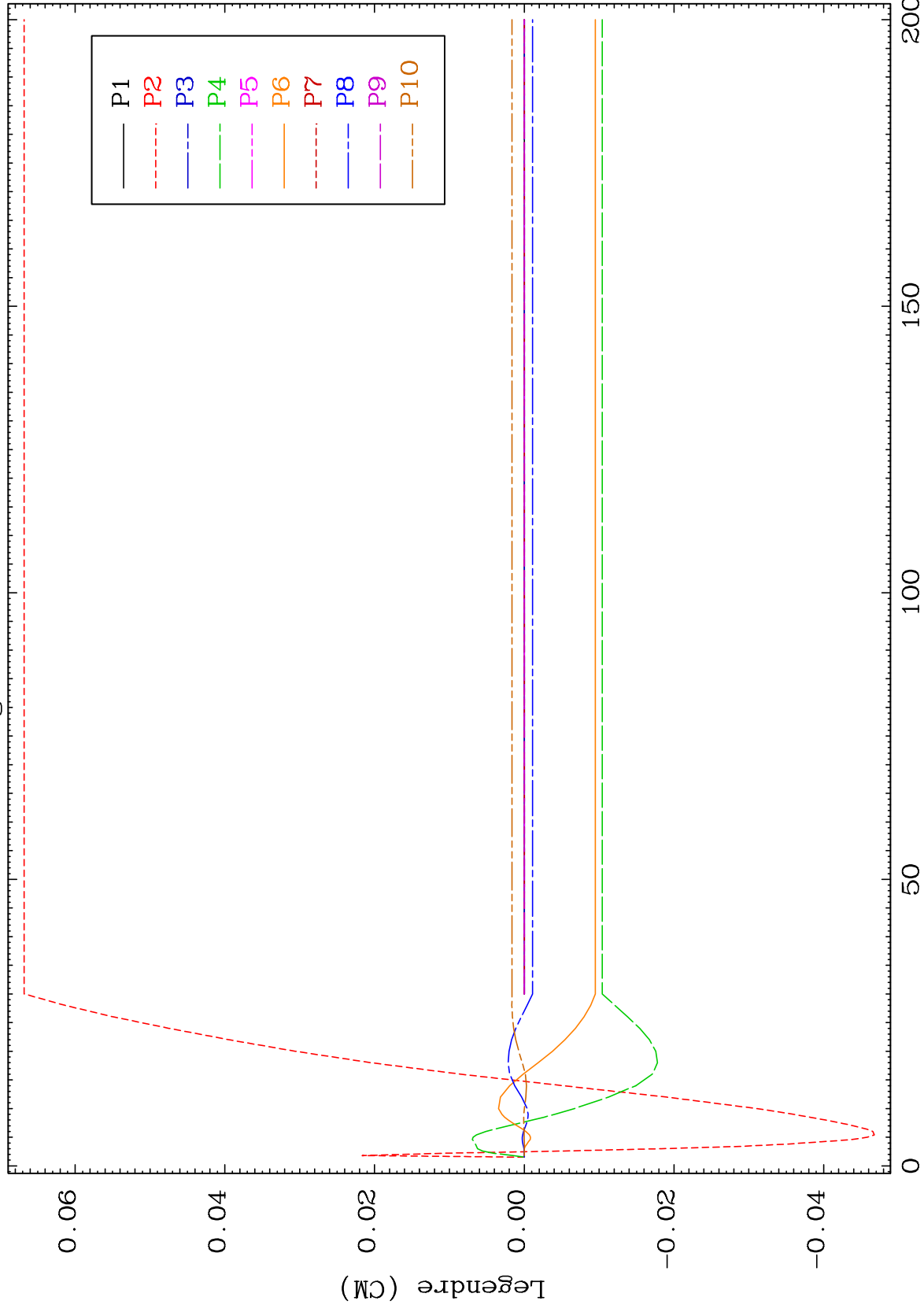




MAT 6437

1.507 MeV (n,n') Level
Legendre Coefficients

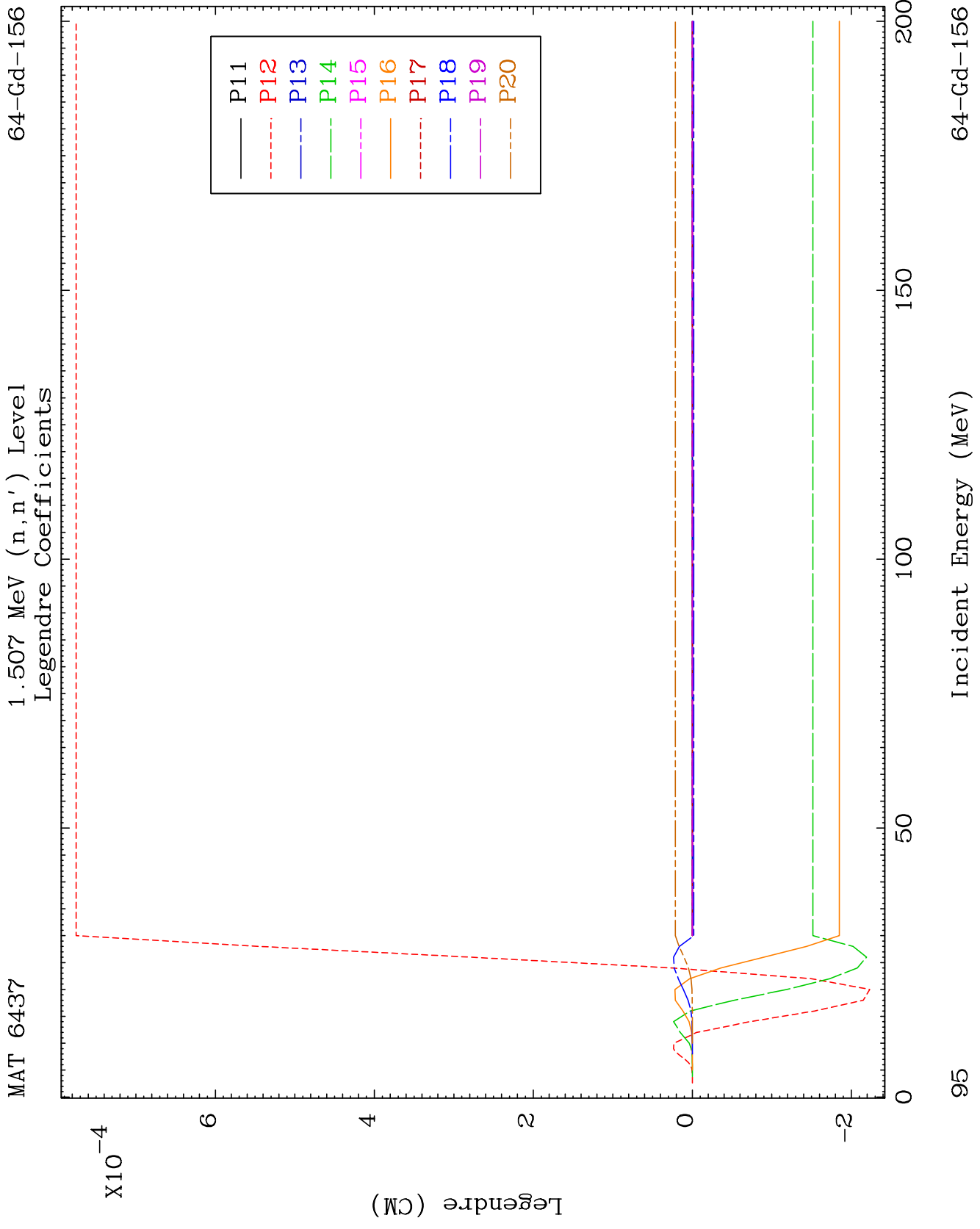
64-Gd-156

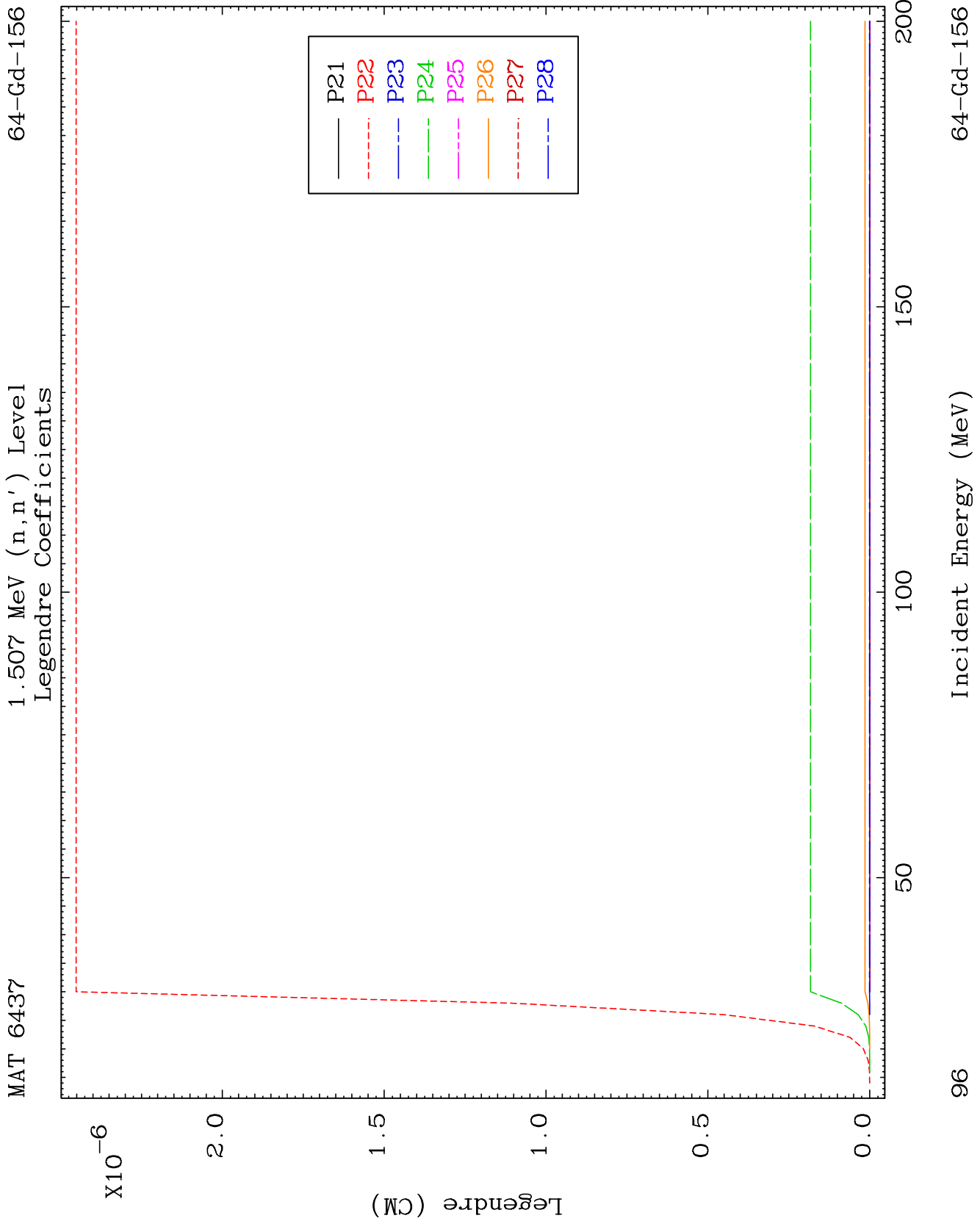


94

Incident Energy (MeV)

64-Gd-156

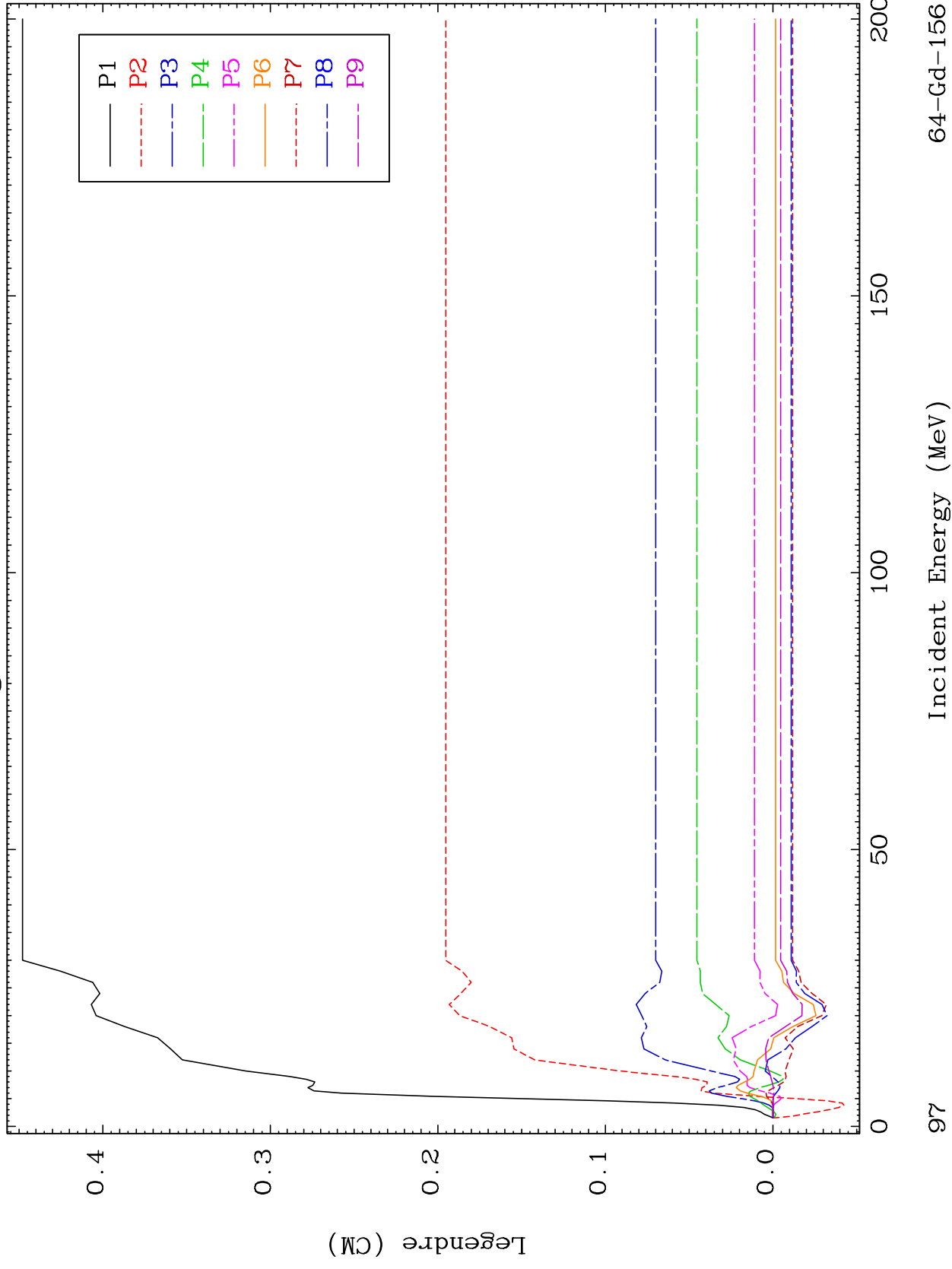


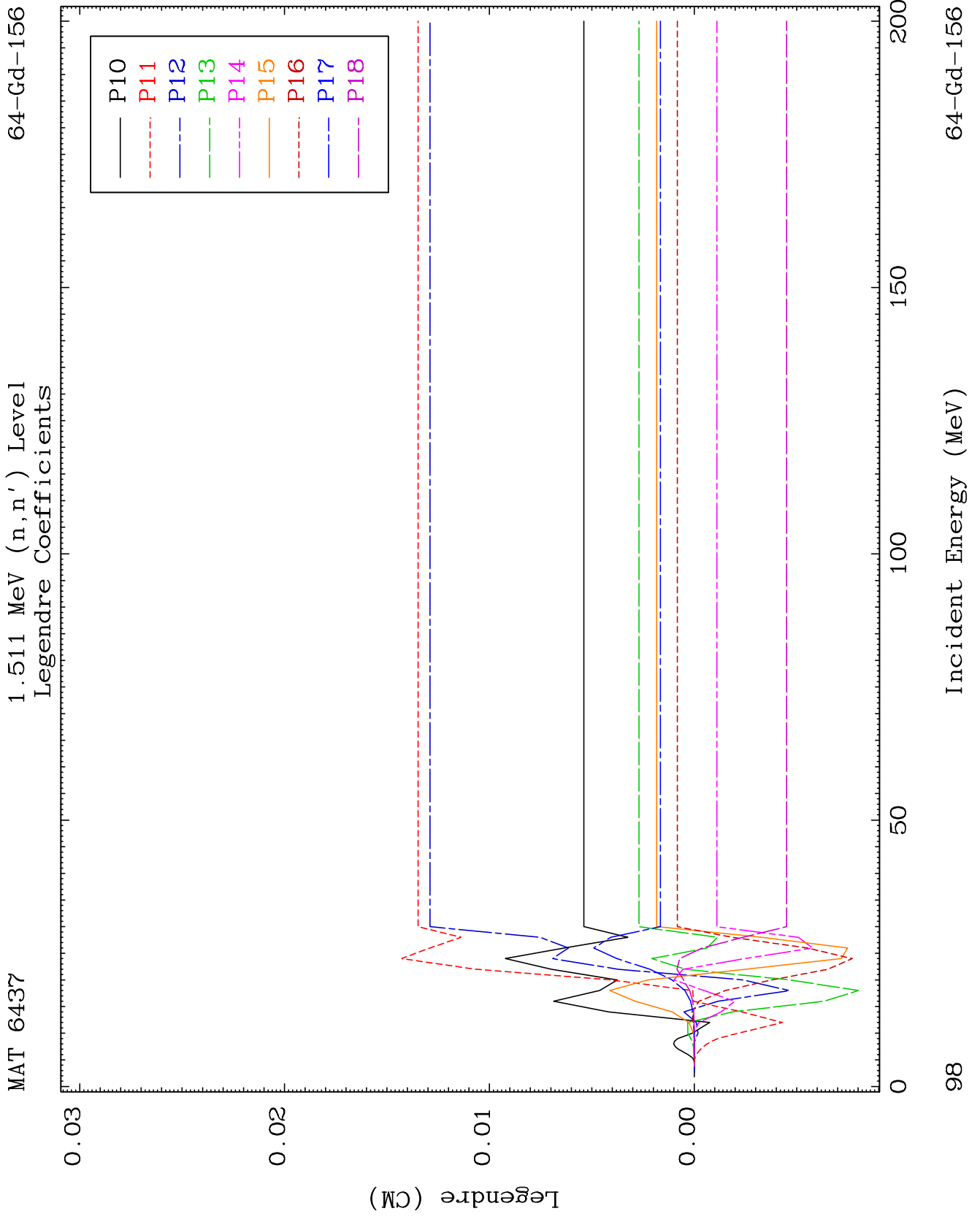


MAT 6437

1.511 MeV (n,n') Level
Legendre Coefficients

64-Gd-156

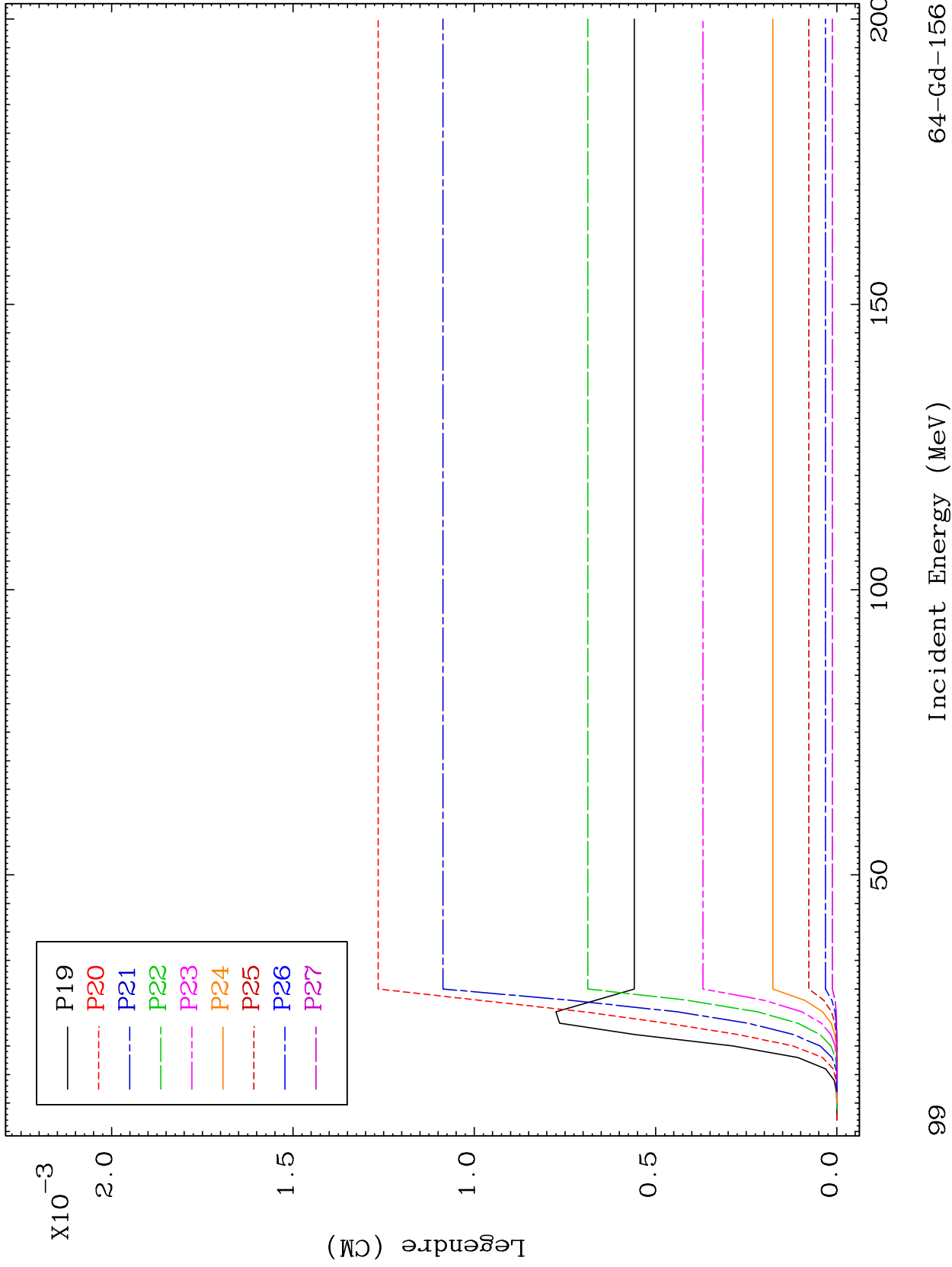




MAT 6437

1.511 MeV (n, n') Level
Legendre Coefficients

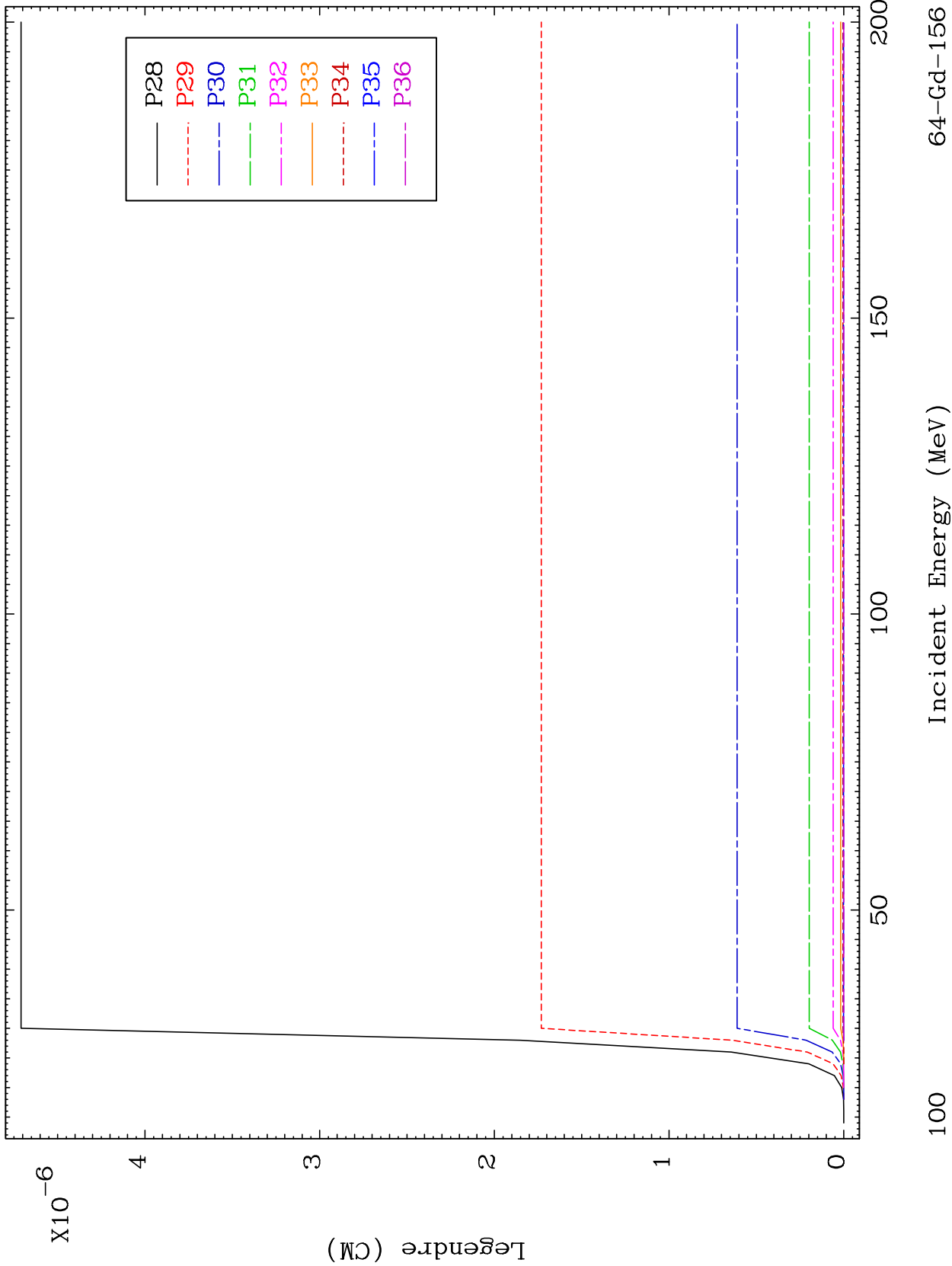
64-Gd-156



MAT 6437

1.511 MeV (n, n') Level
Legendre Coefficients

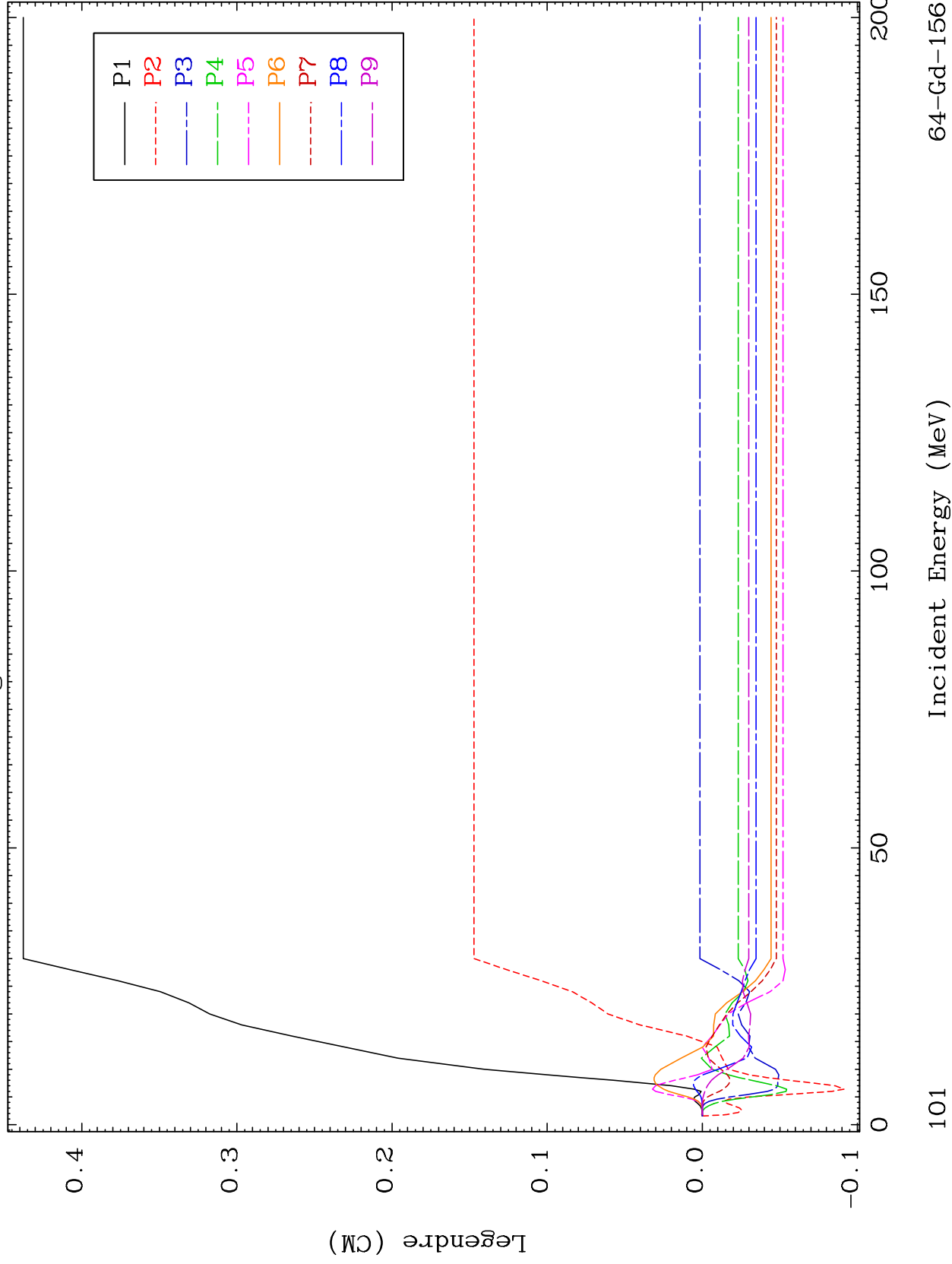
64-Gd-156



MAT 6437

1.539 MeV (n,n') Level
Legendre Coefficients

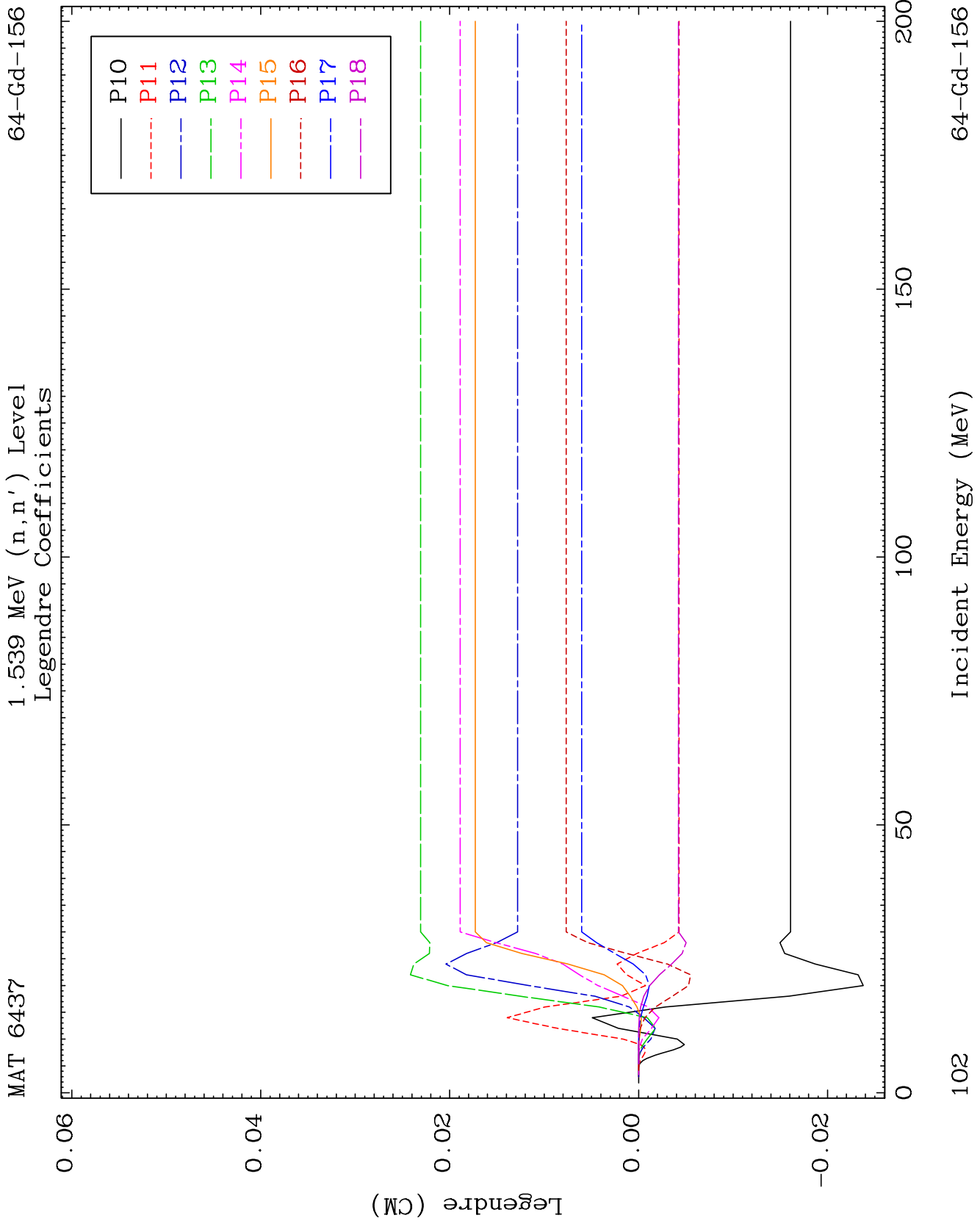
64-Gd-156



64-Gd-156

Incident Energy (MeV)

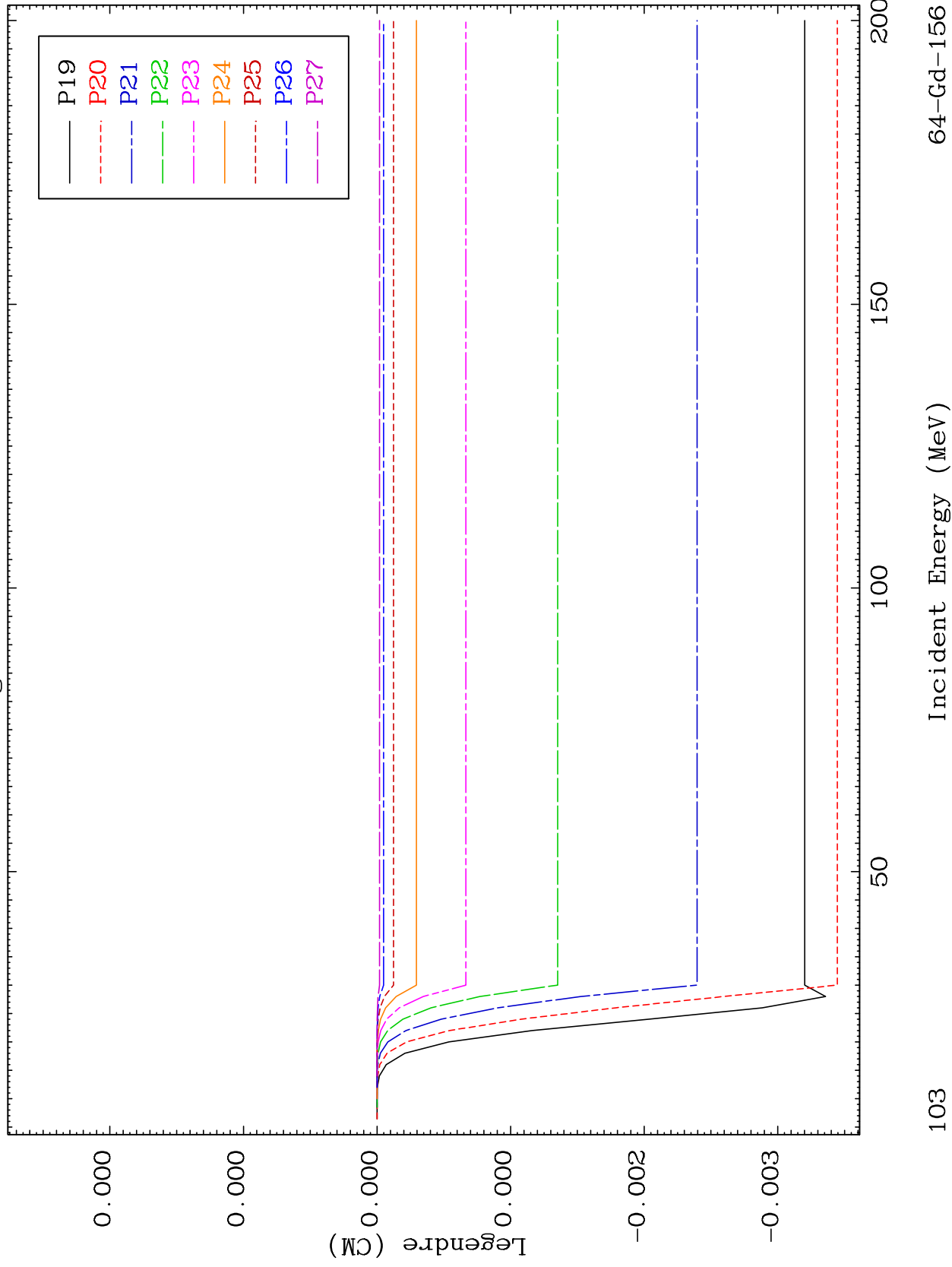
101



MAT 6437

1.539 MeV (n,n') Level
Legendre Coefficients

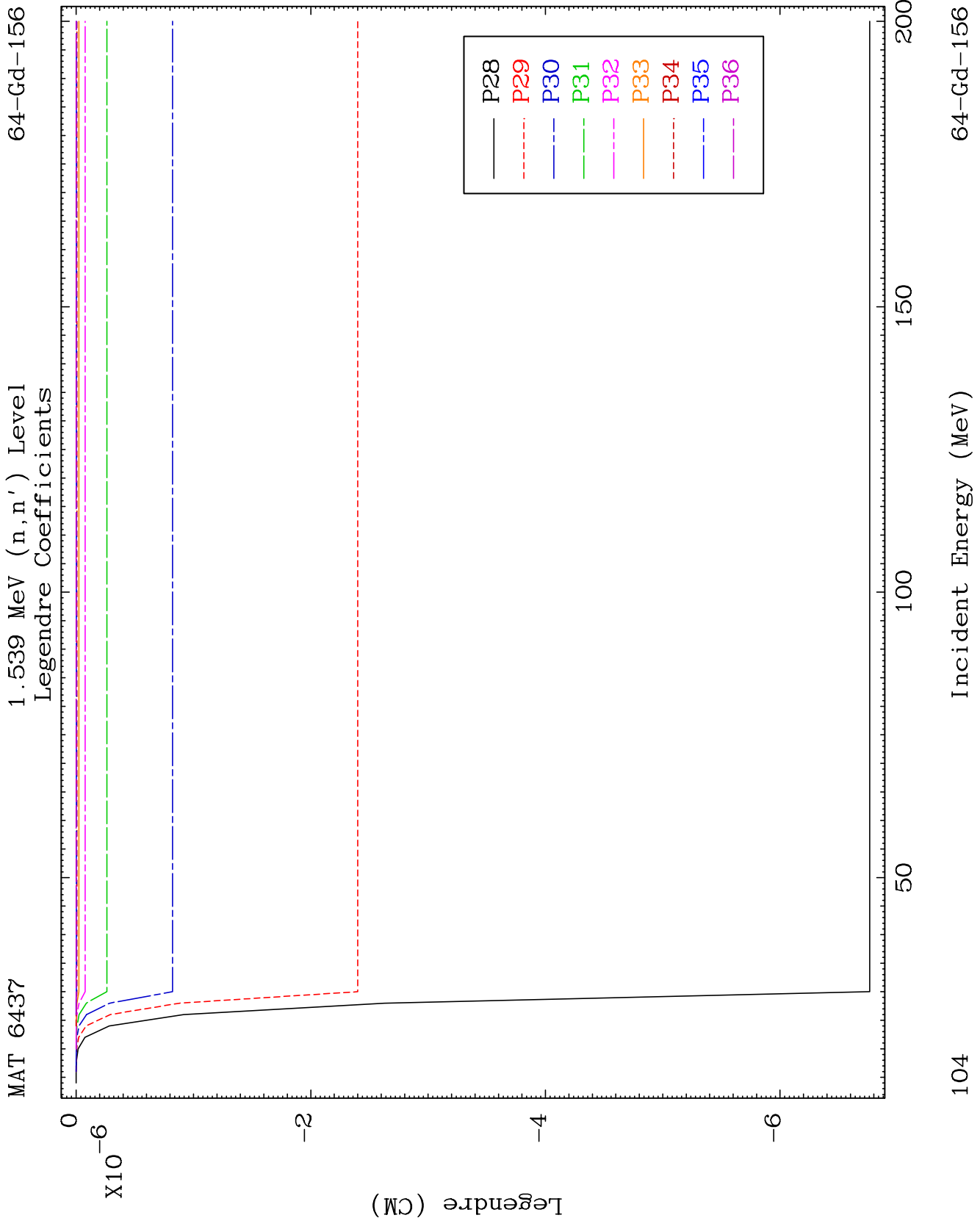
64-Gd-156



103

Incident Energy (MeV)

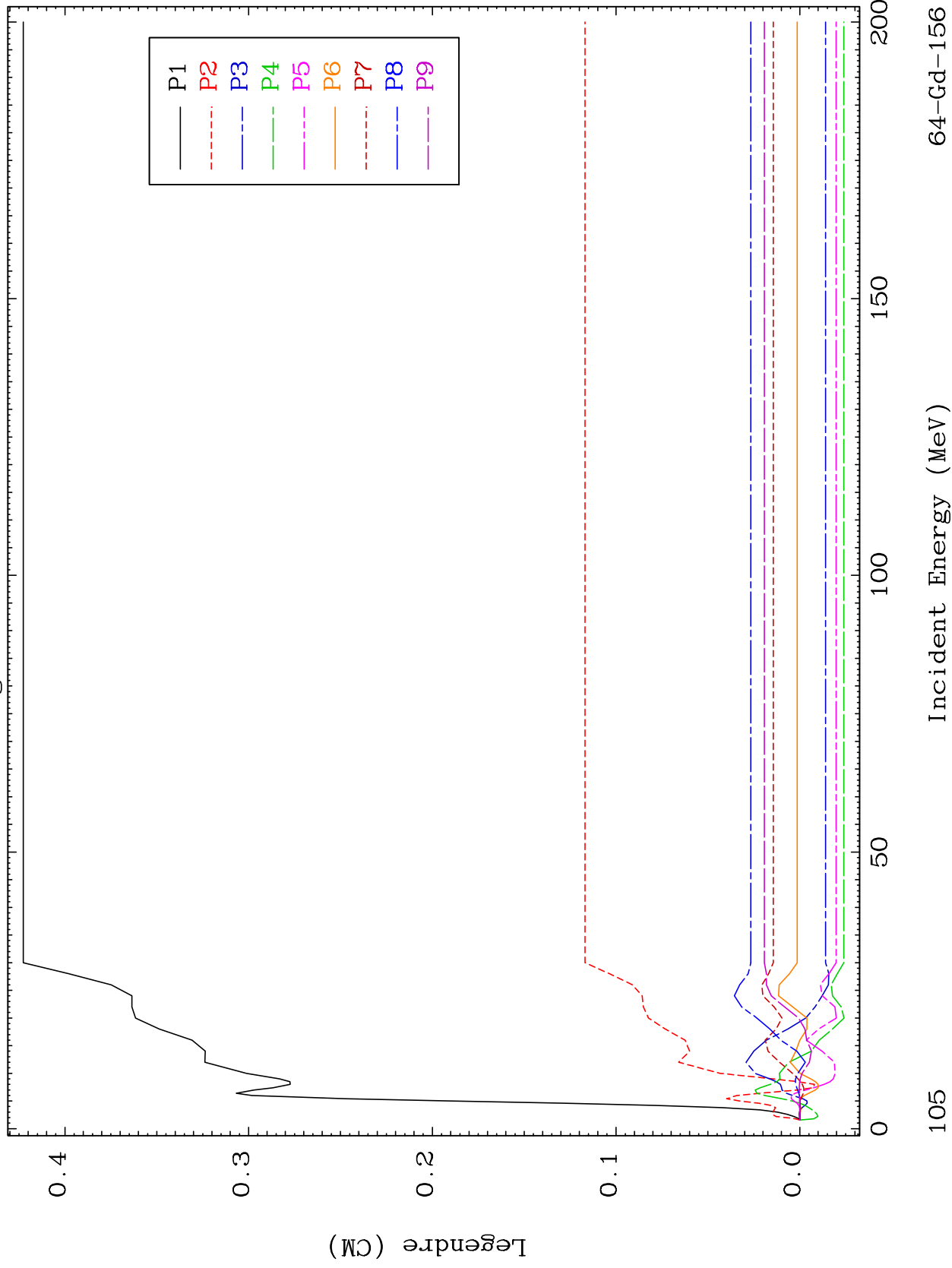
64-Gd-156



MAT 6437

1.540 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

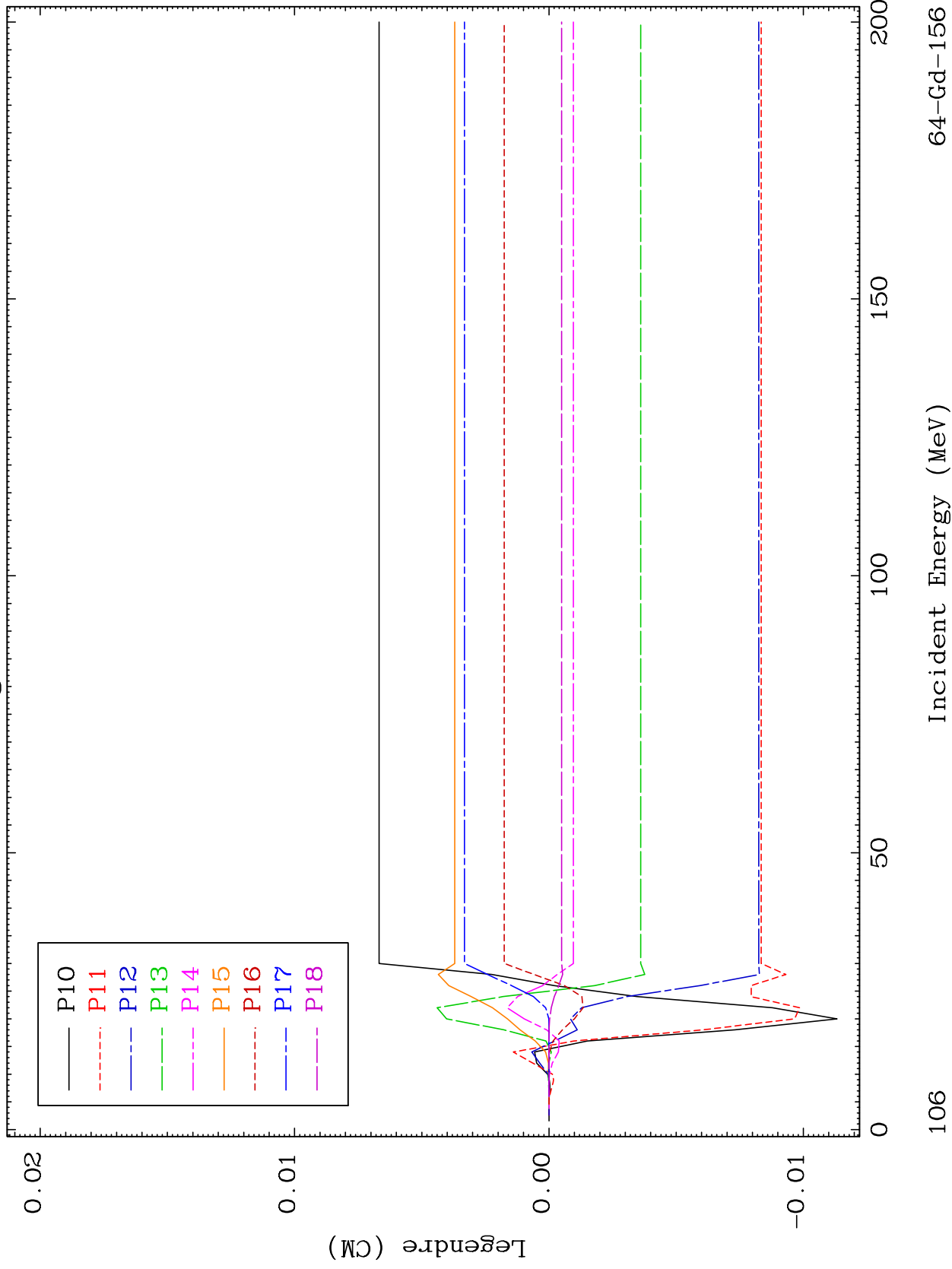
Incident Energy (MeV)

105

MAT 6437

1.540 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

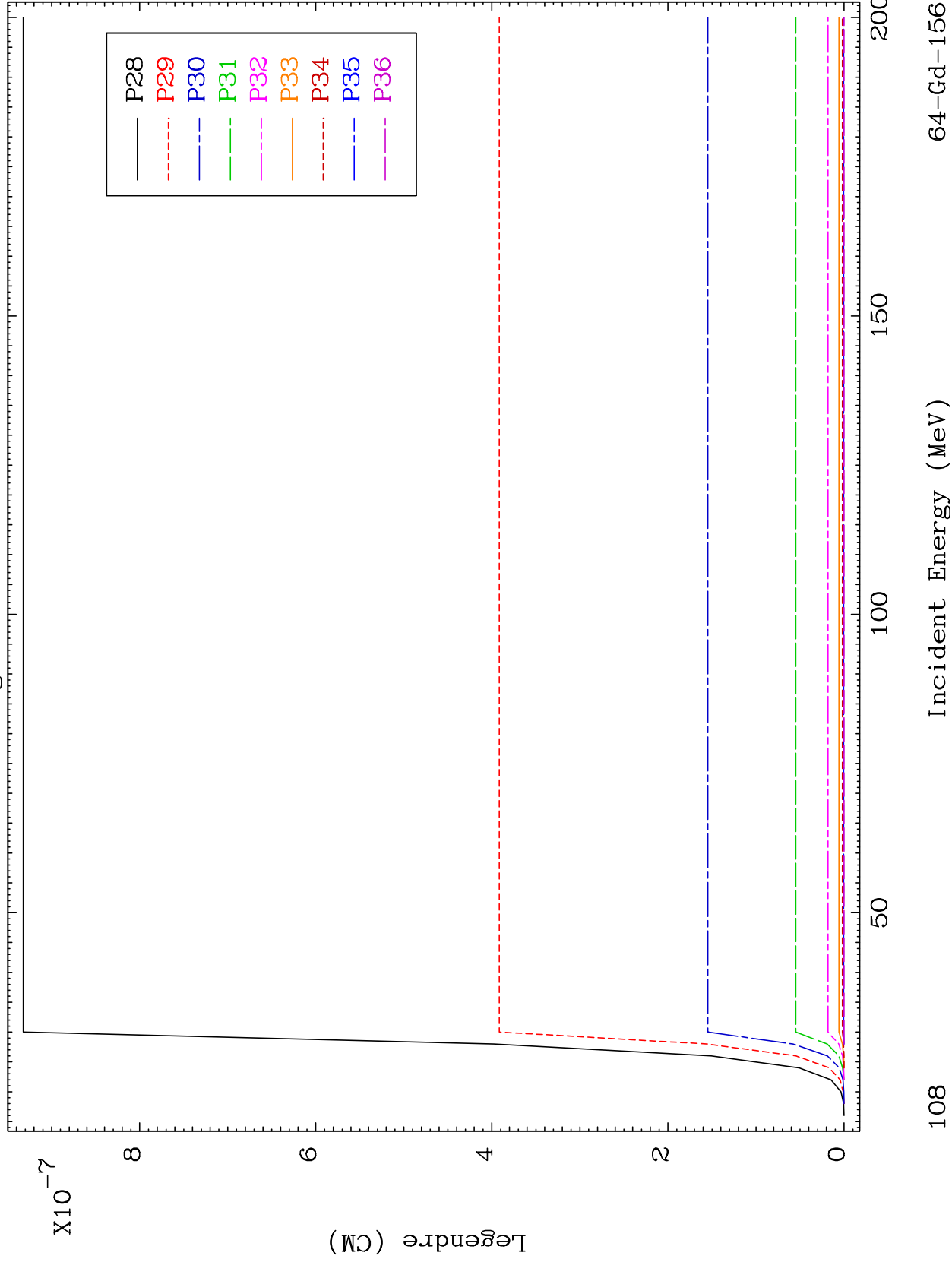
Incident Energy (MeV)

106

MAT 6437

1.540 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



108

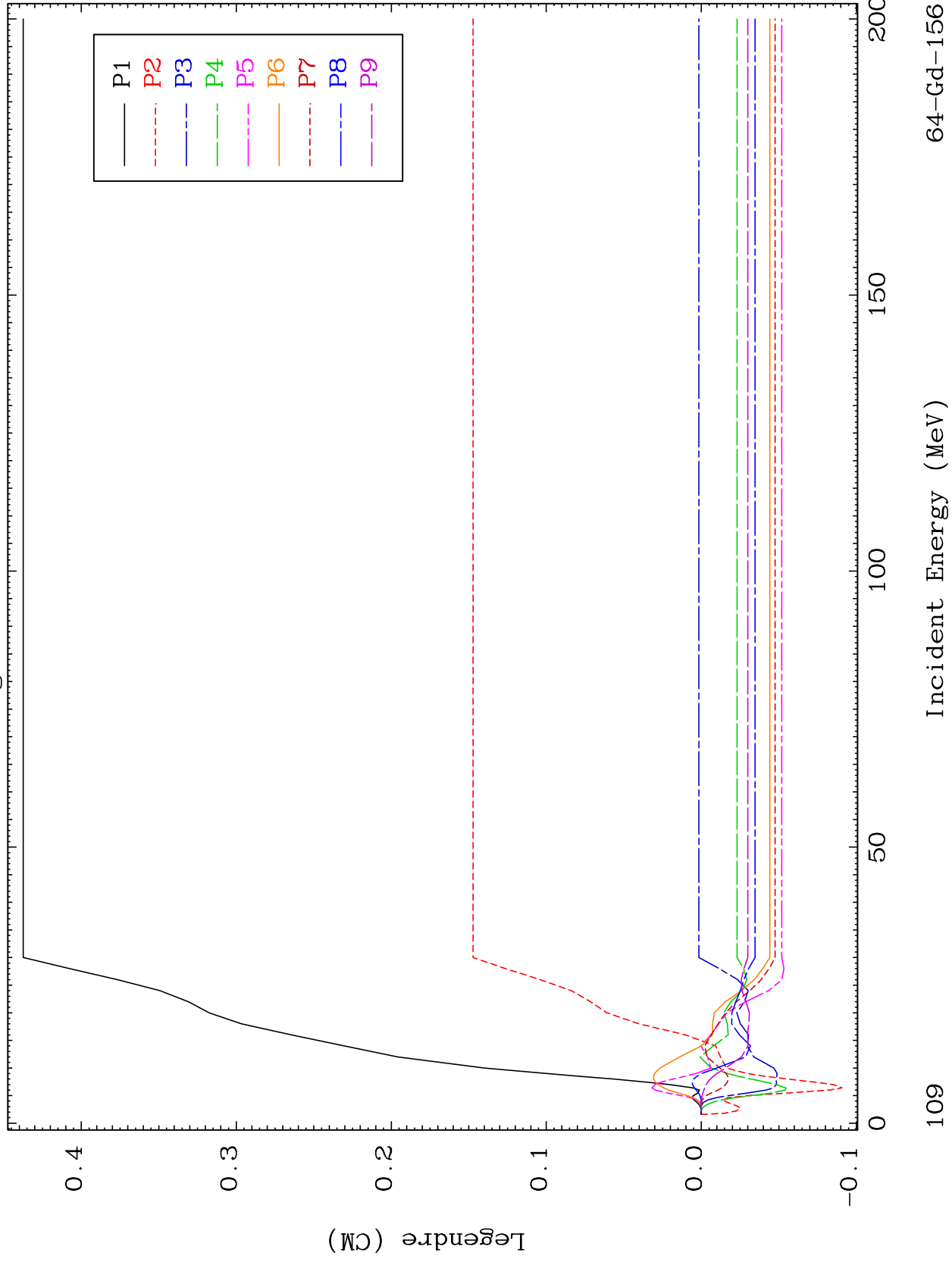
Incident Energy (MeV)

64-Gd-156

MAT 6437

1.577 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

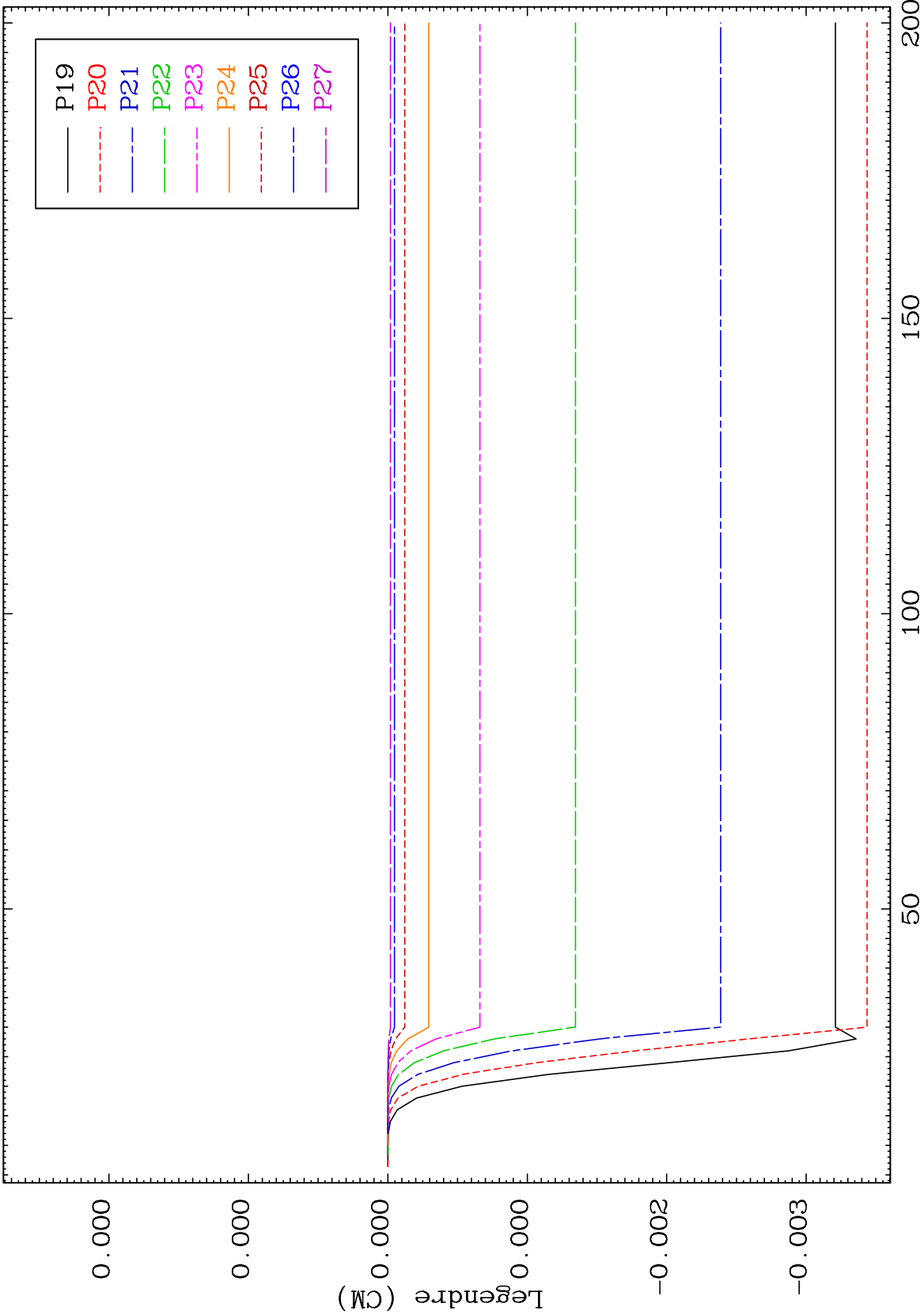
Incident Energy (MeV)

109

MAT 6437

1.577 MeV (n,n') Level Legendre Coefficients

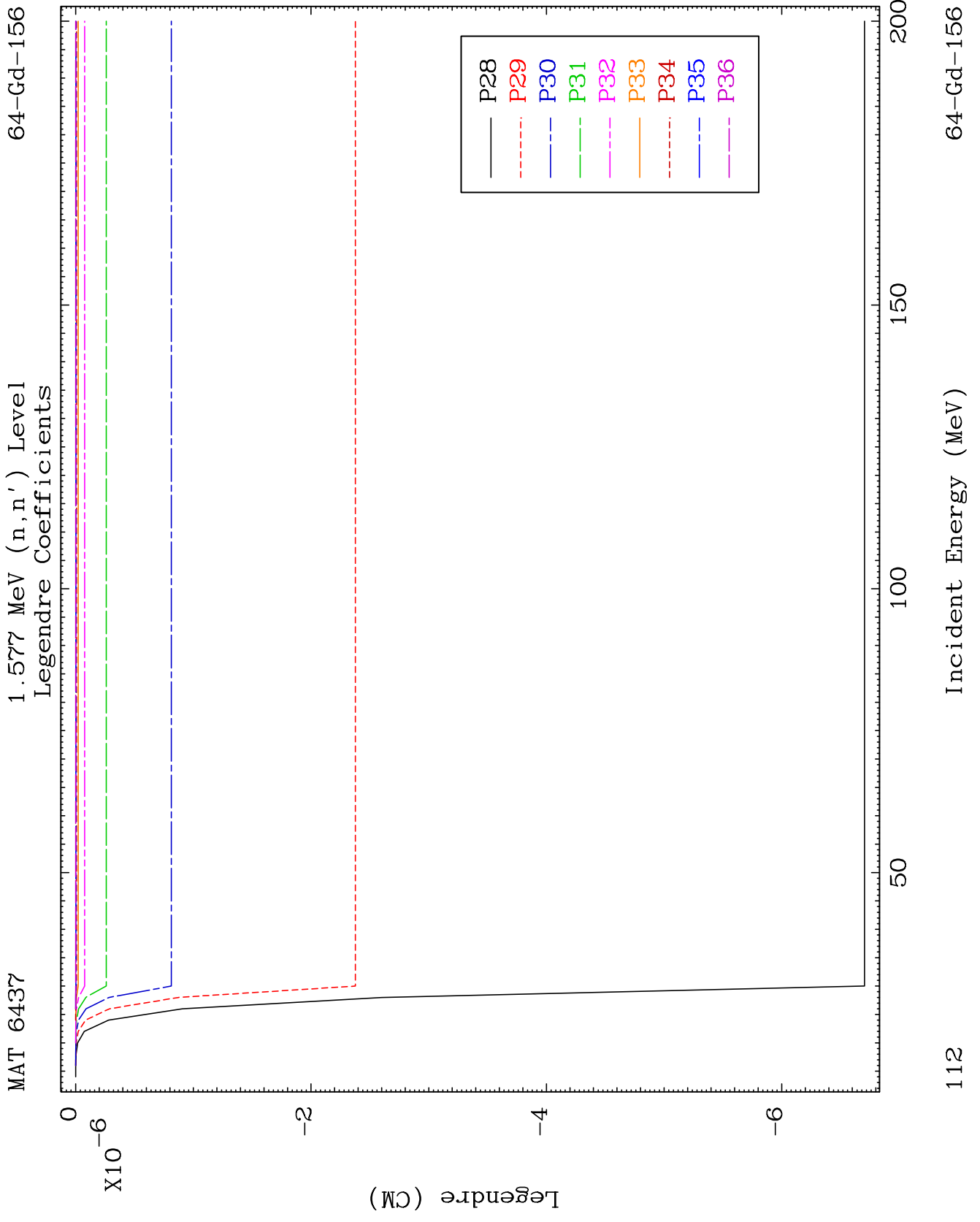
64-Gd-156



111

Incident Energy (MeV)

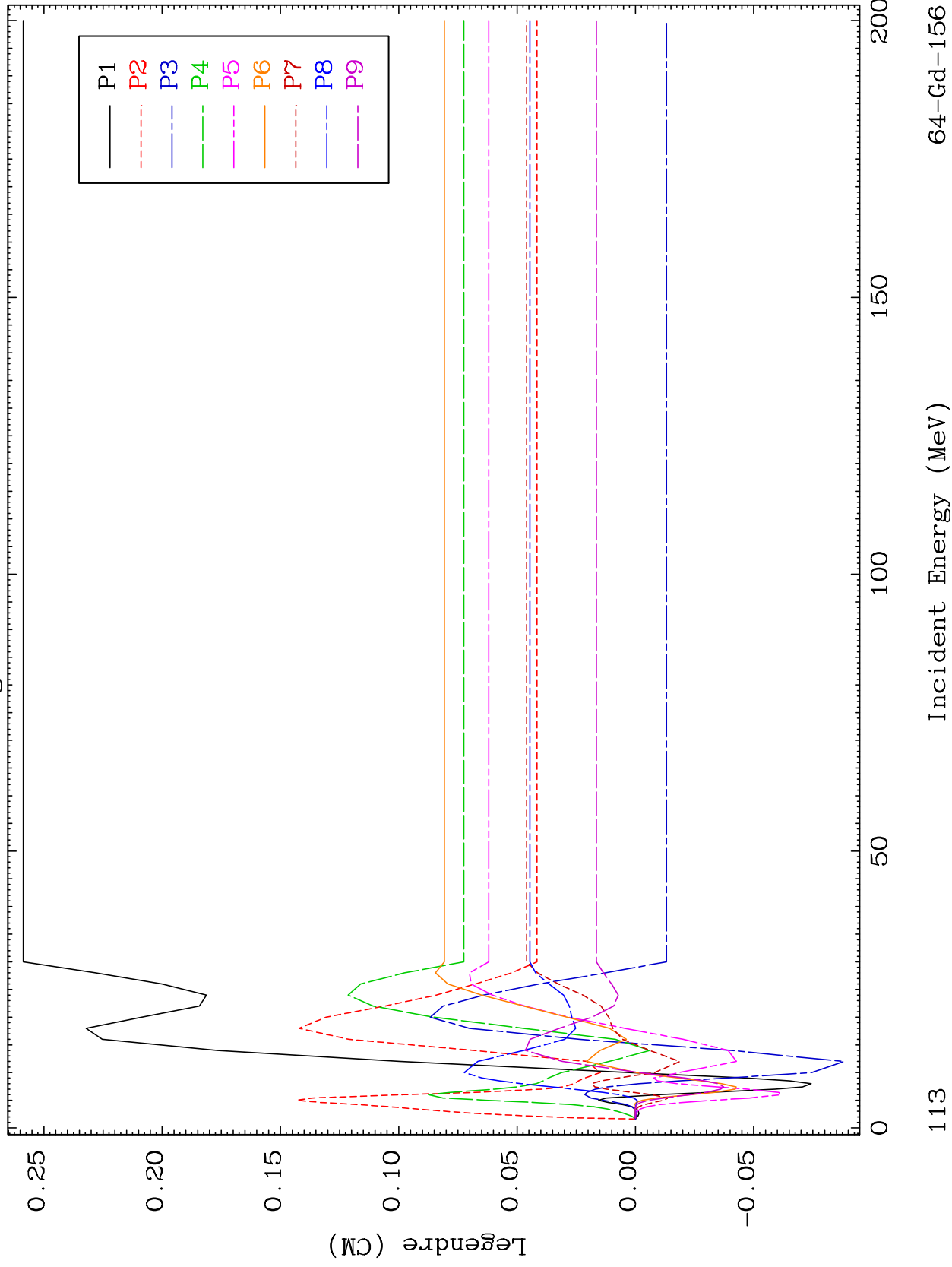
64-Gd-156



MAT 6437

1.595 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

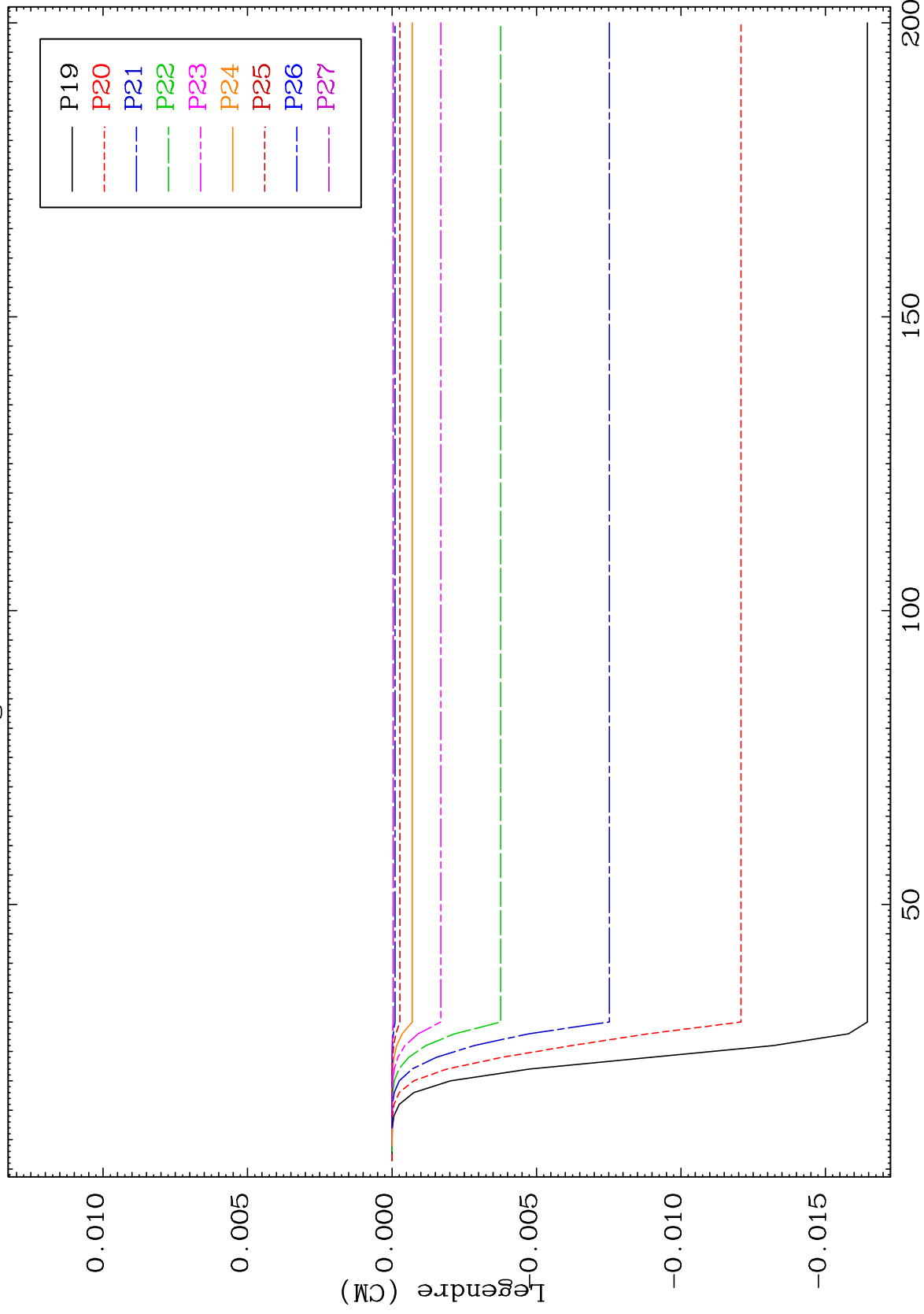
Incident Energy (MeV)

113

MAT 6437

1.595 MeV (n,n') Level
Legendre Coefficients

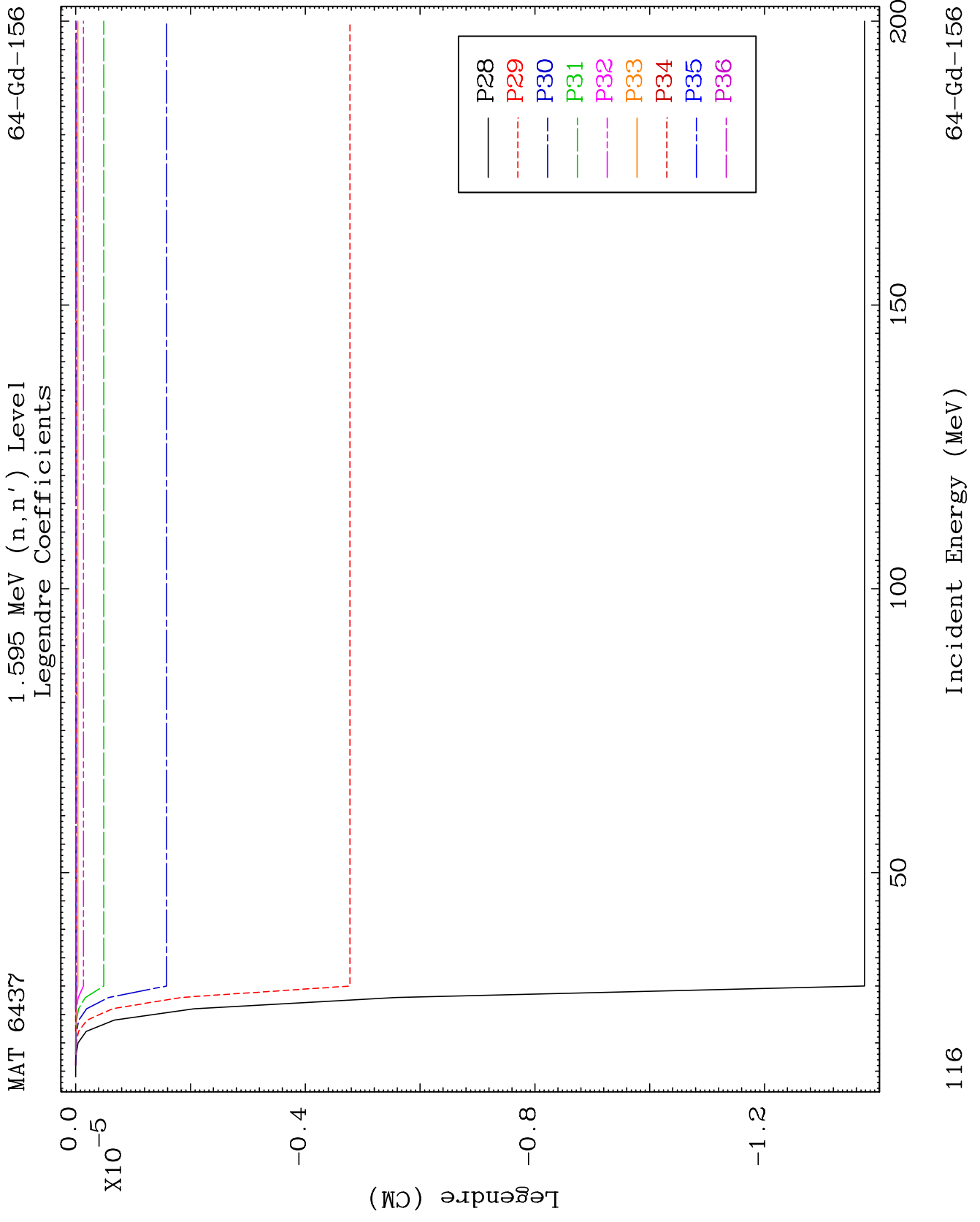
64-Gd-156



115

Incident Energy (MeV)

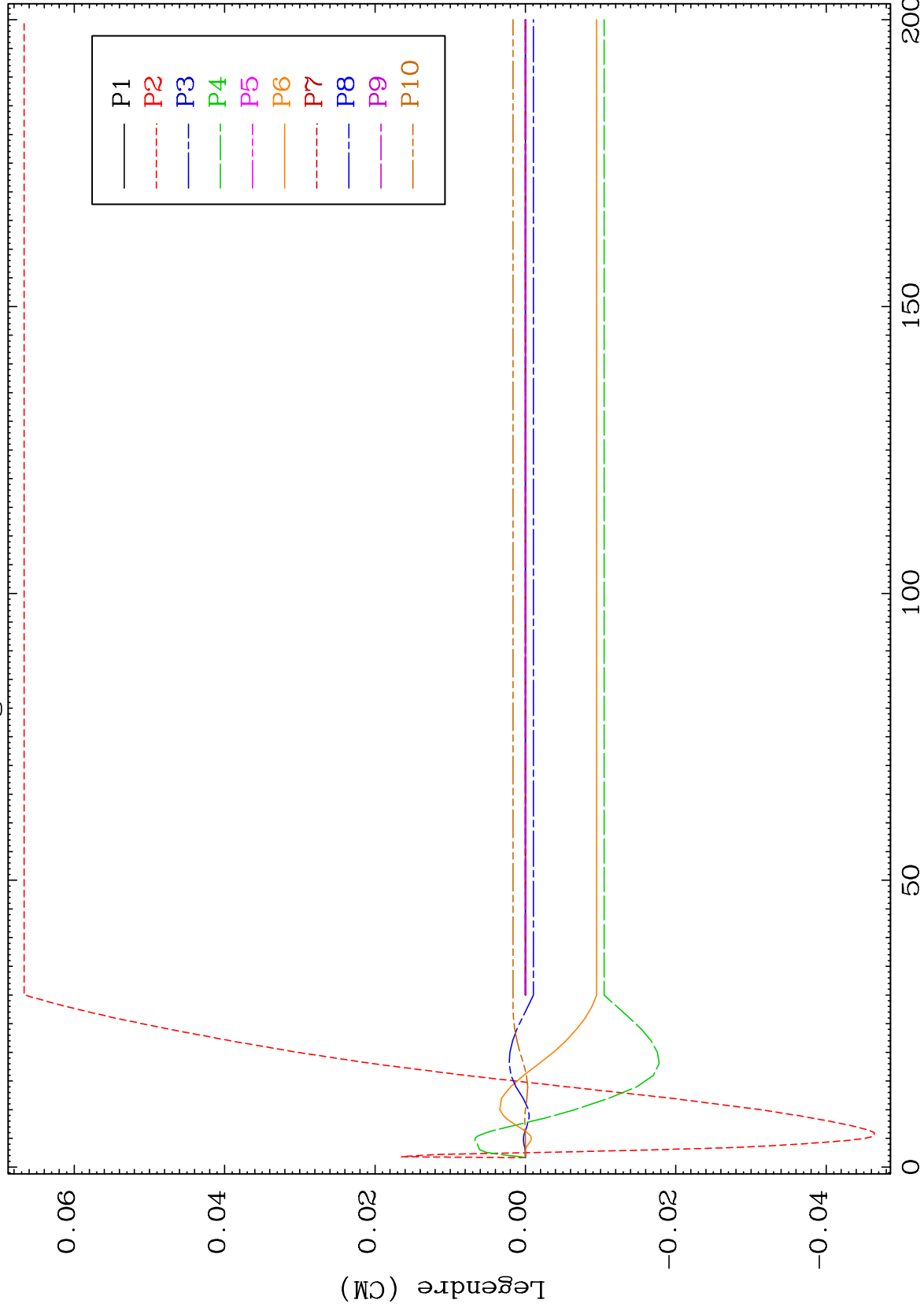
64-Gd-156



MAT 6437

1.623 MeV (n,n') Level
Legendre Coefficients

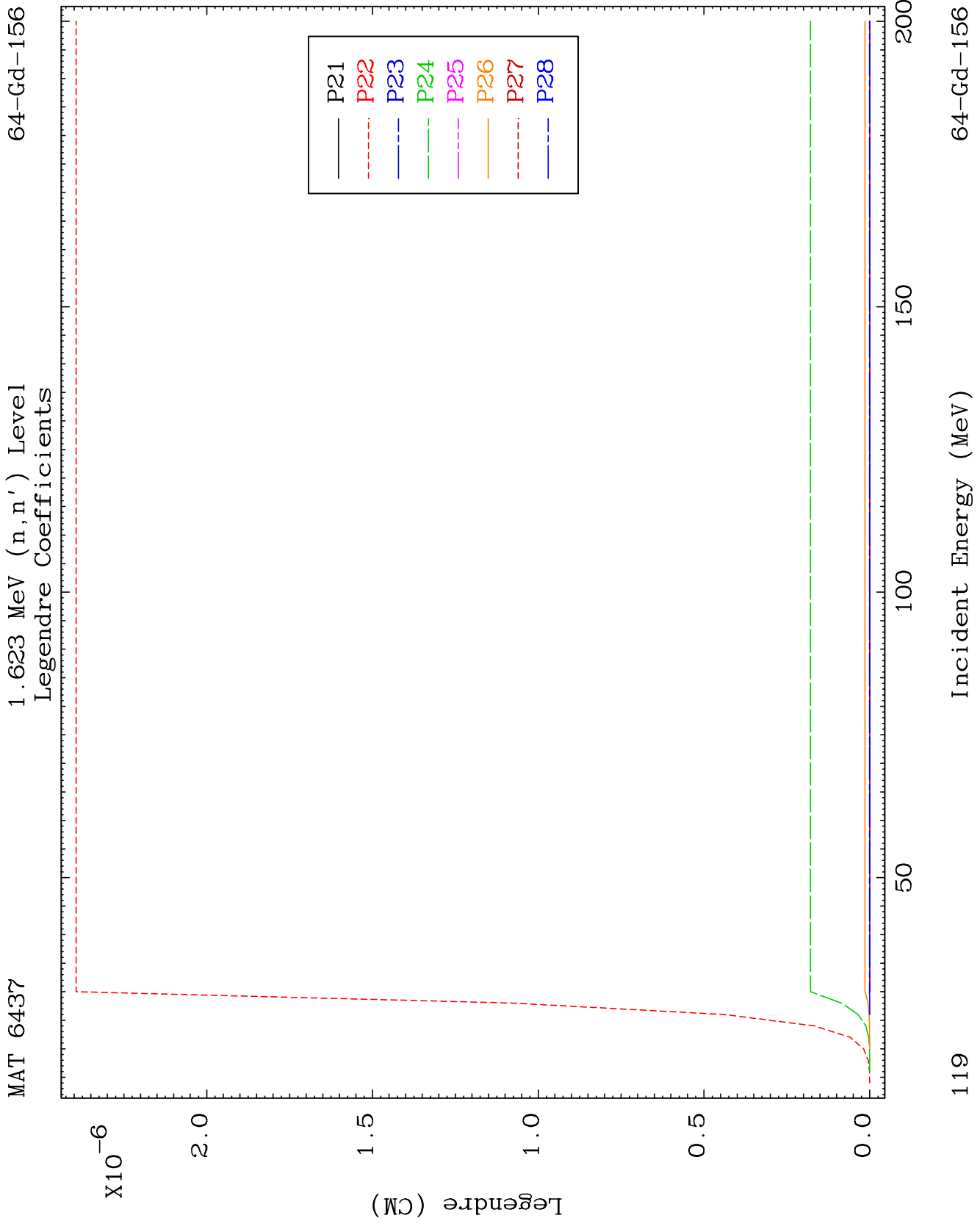
64-Gd-156



117

Incident Energy (MeV)

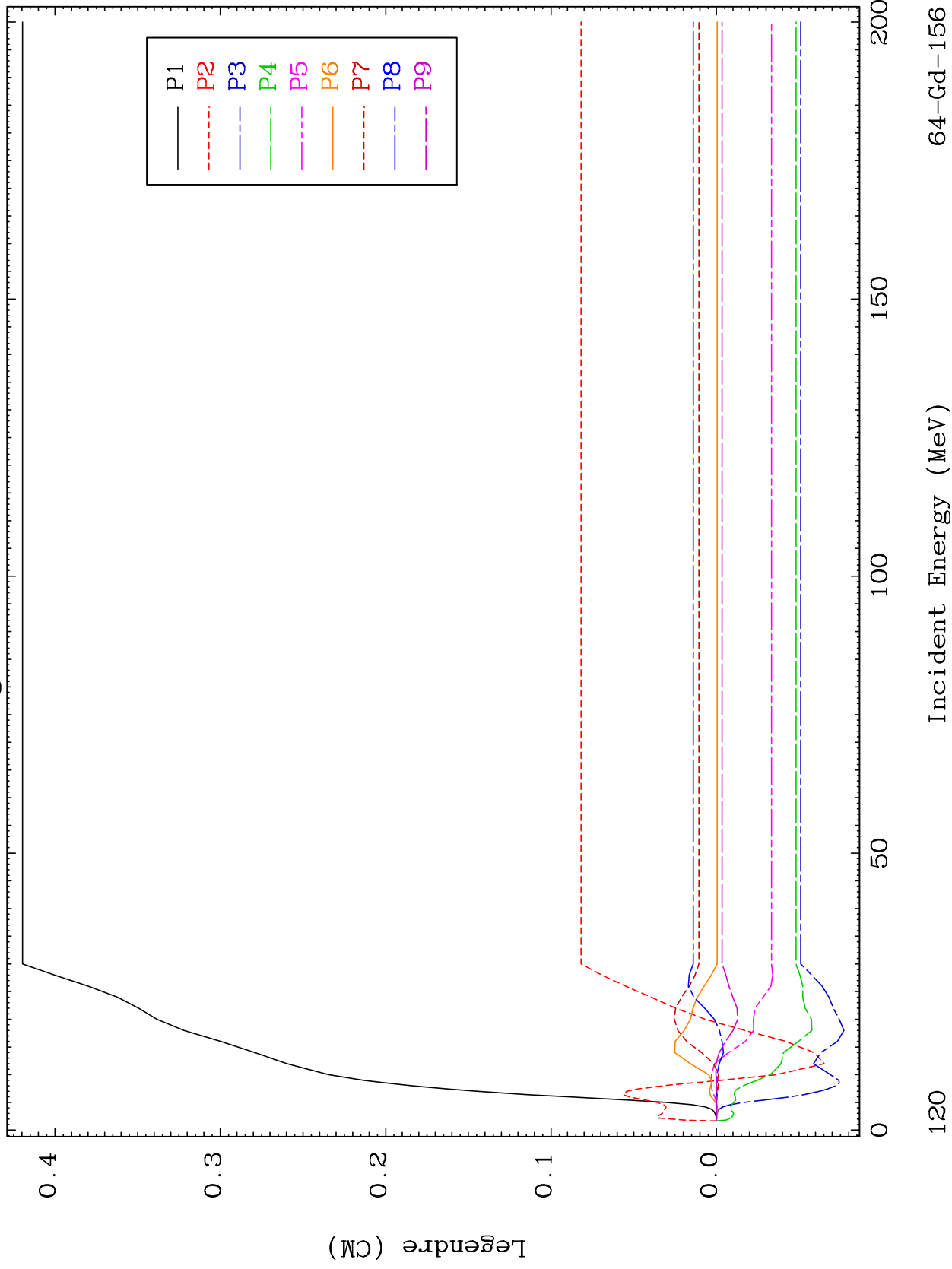
64-Gd-156



MAT 6437

1.638 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



64-Gd-156

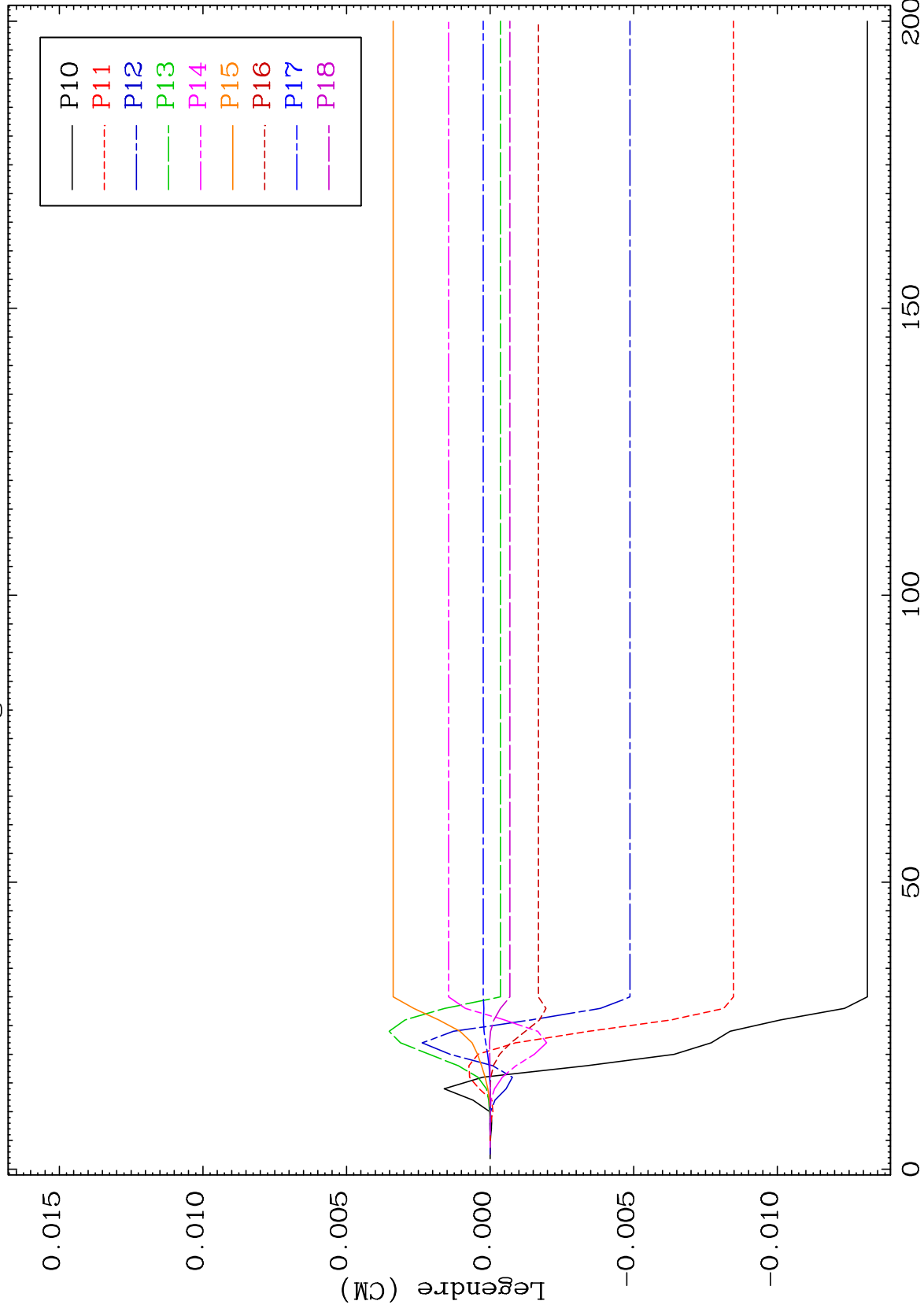
Incident Energy (MeV)

120

MAT 6437

1.638 MeV (n,n') Level
Legendre Coefficients

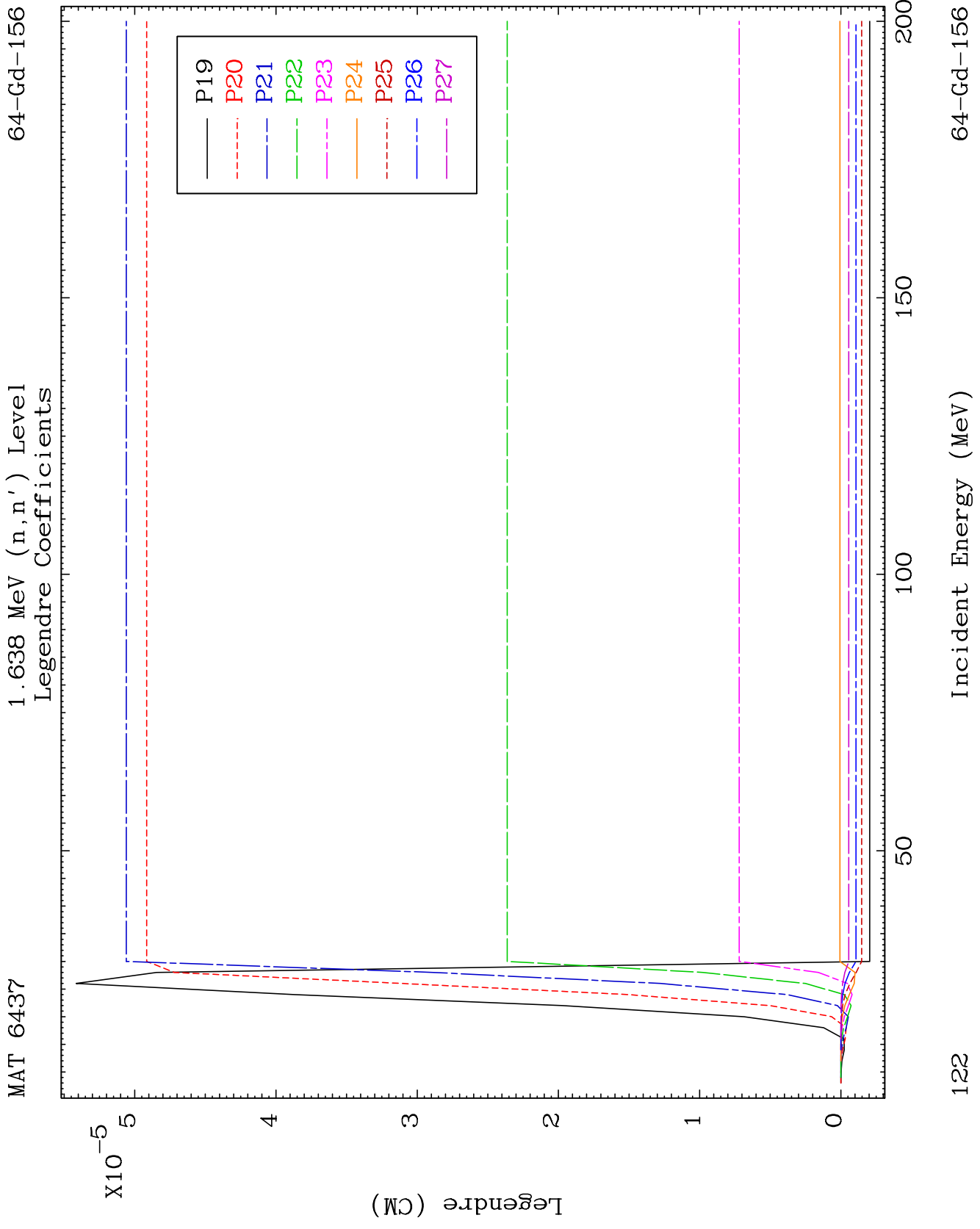
64-Gd-156

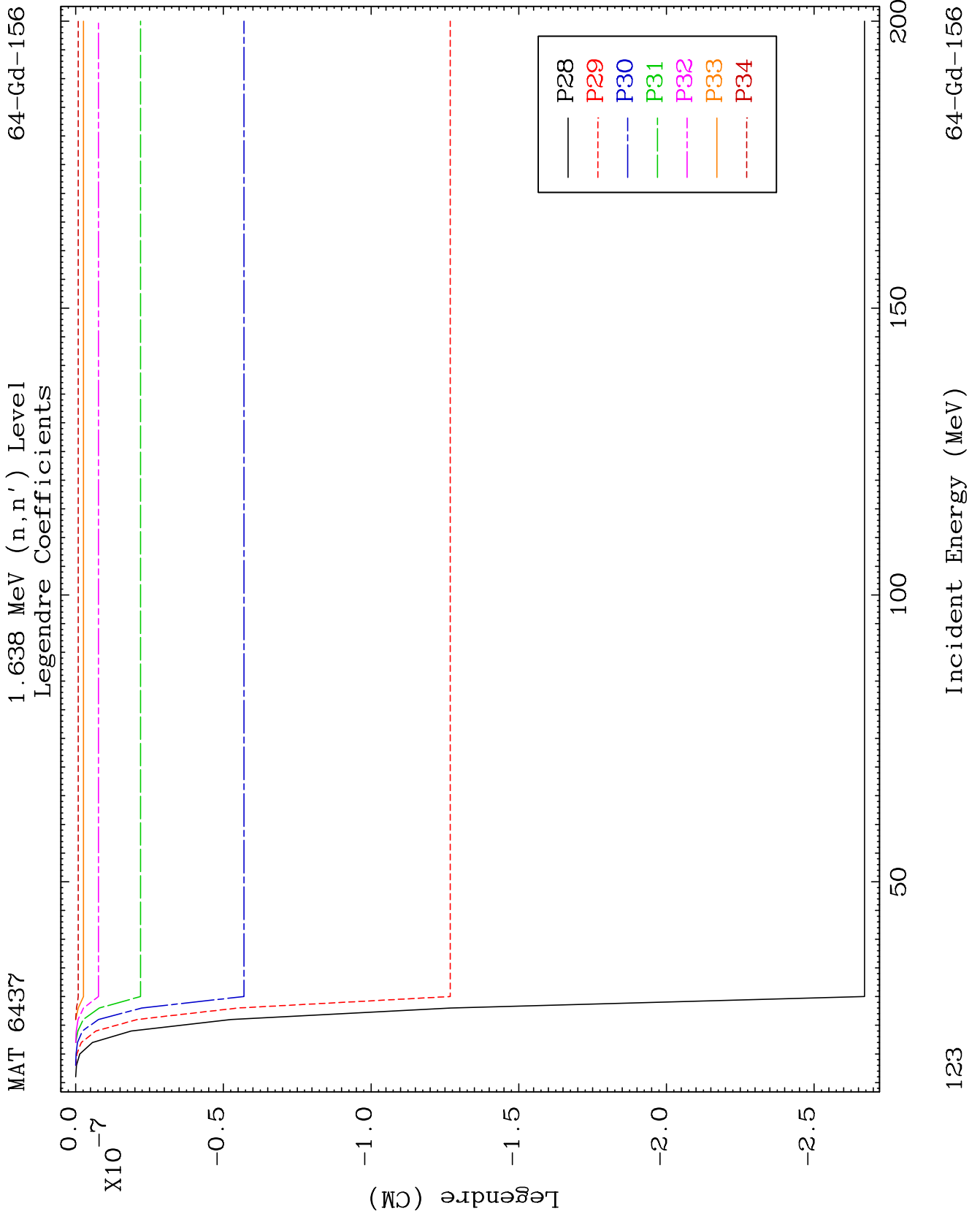


121

Incident Energy (MeV)

64-Gd-156

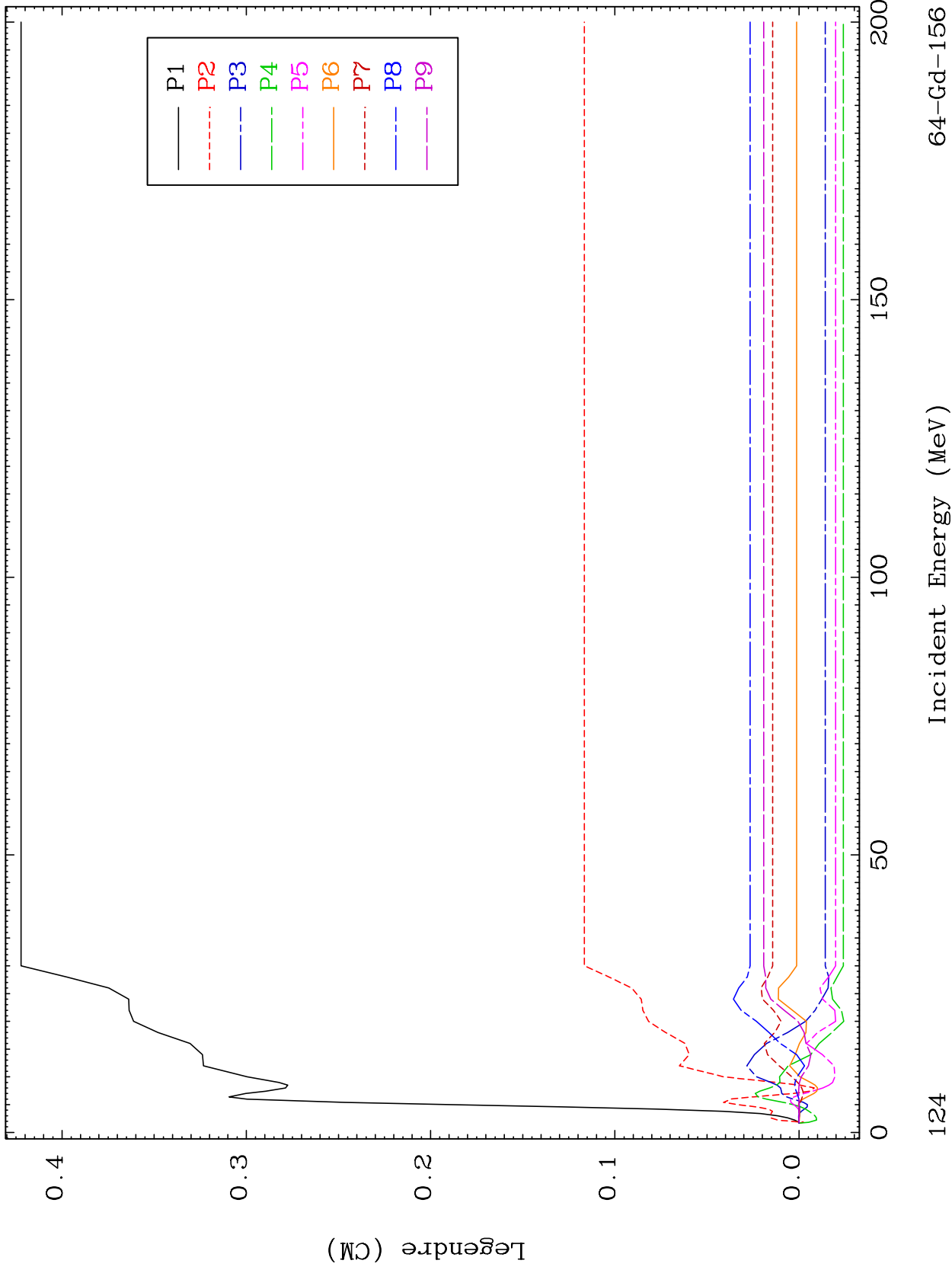




MAT 6437

1.644 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



124

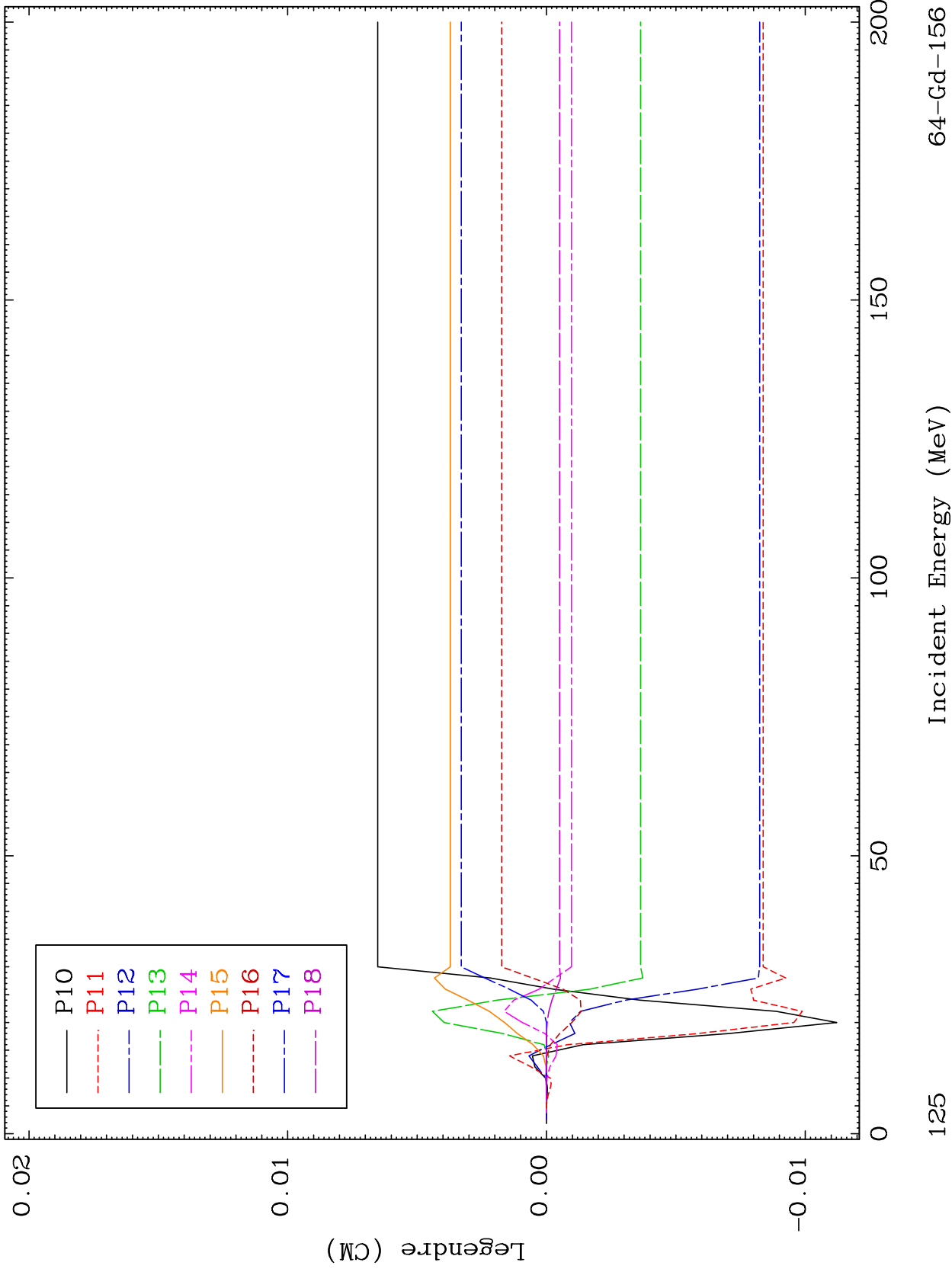
Incident Energy (MeV)

64-Gd-156

MAT 6437

1.644 MeV (n,n') Level
Legendre Coefficients

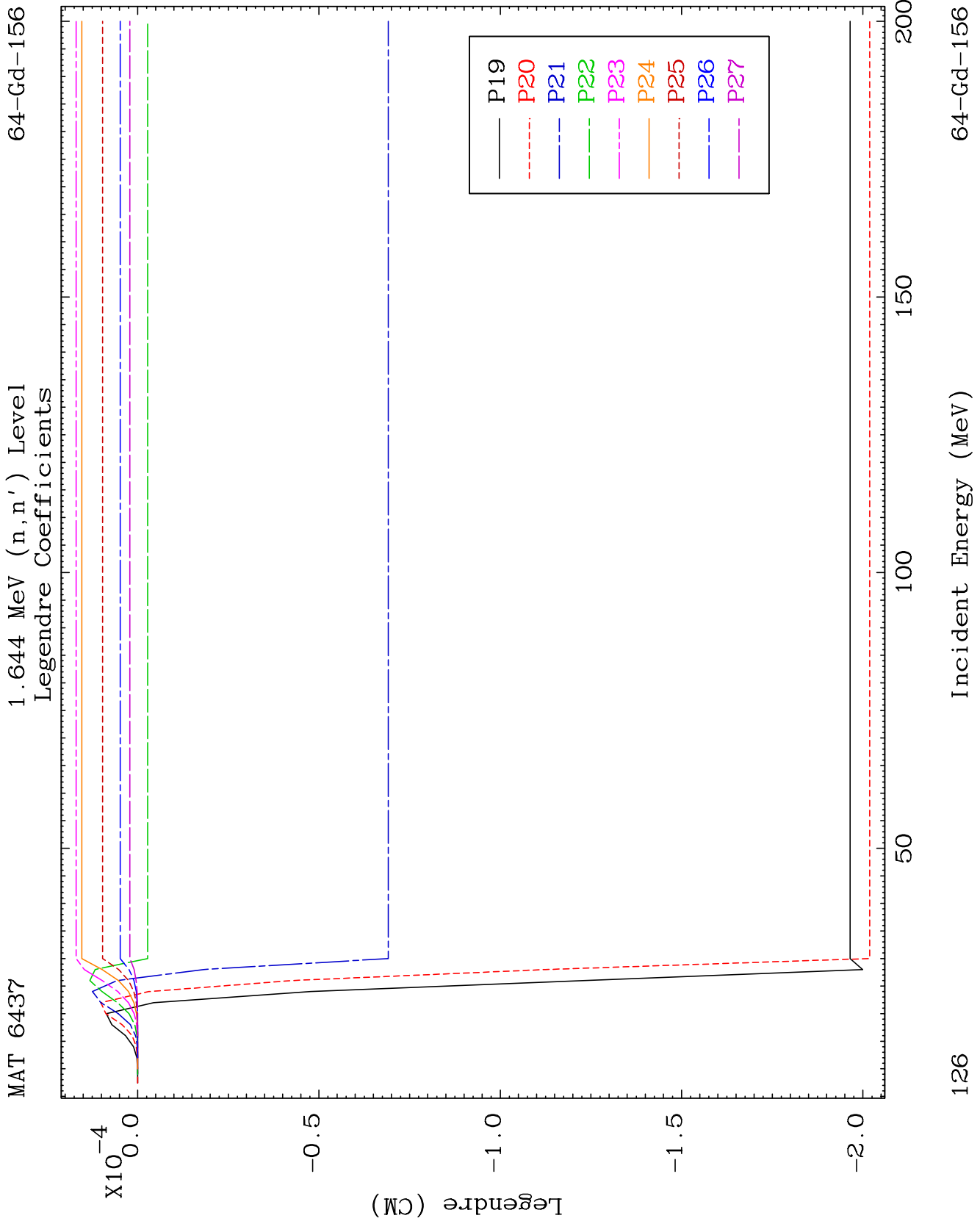
64-Gd-156



64-Gd-156

Incident Energy (MeV)

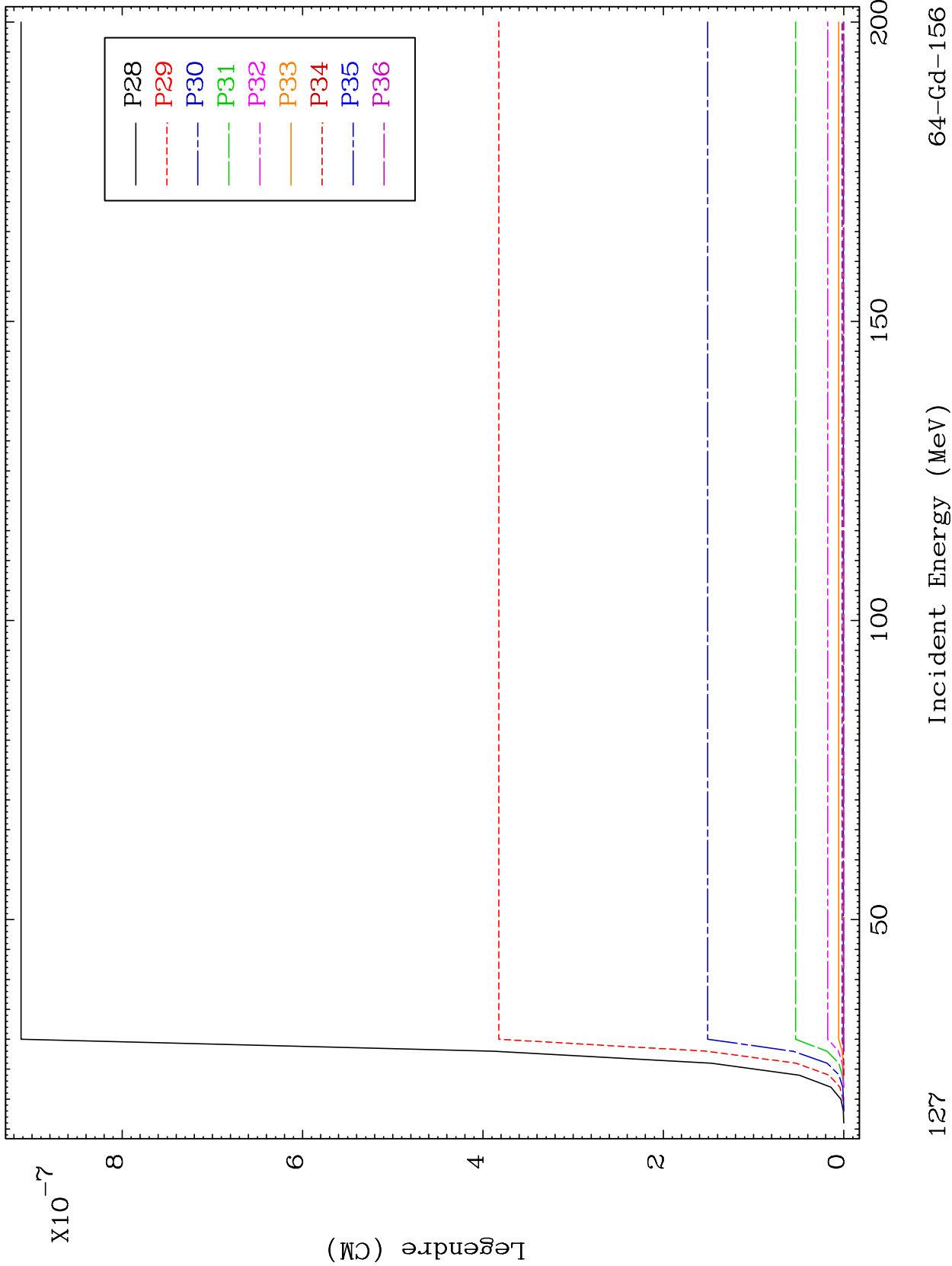
125



MAT 6437

1.644 MeV (n,n') Level
Legendre Coefficients

64-Gd-156



127

Incident Energy (MeV)

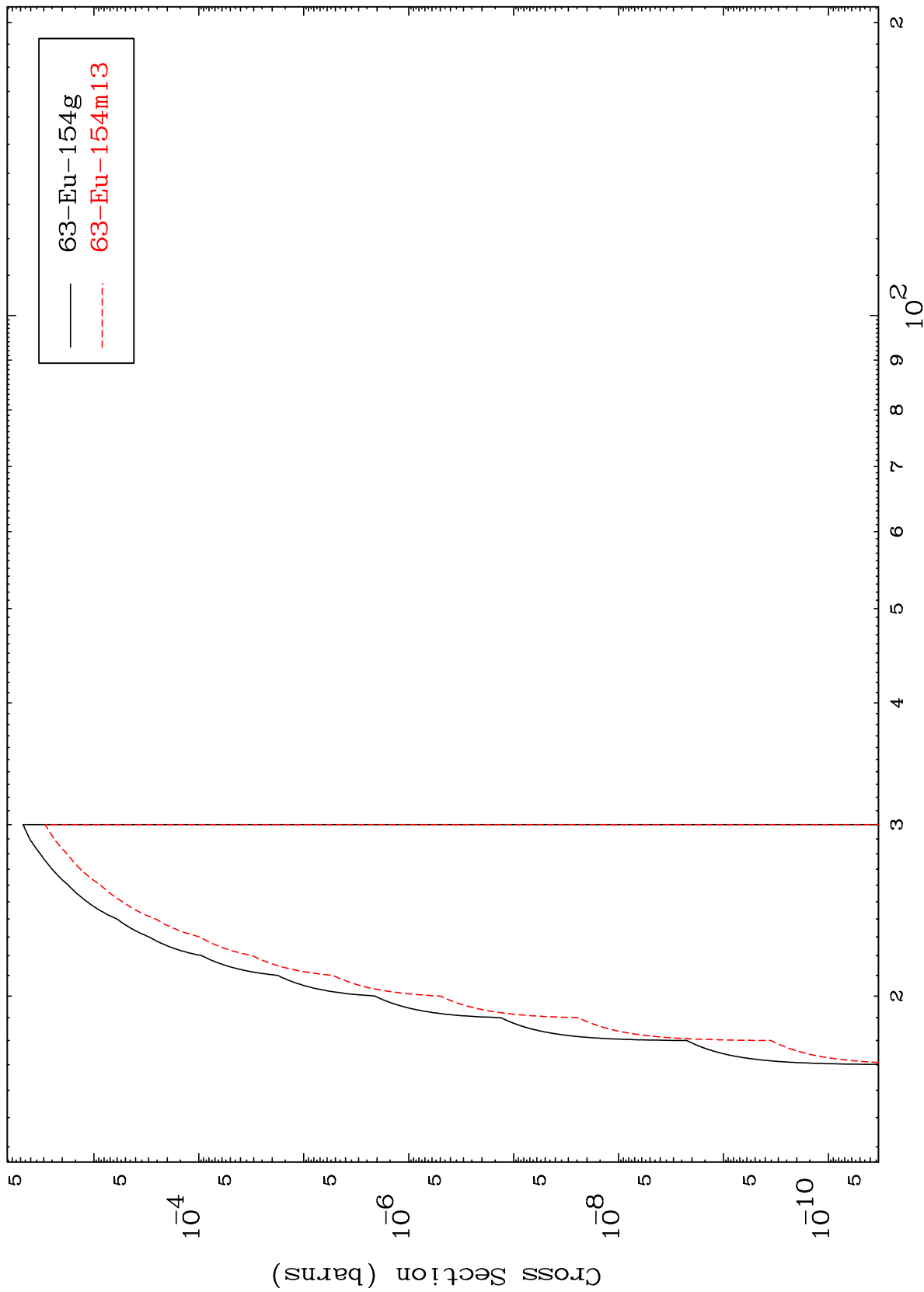
64-Gd-156

MAT 6437

(n,n') d

64-Gd-156

Radionuclide Production Cross Section



128

Incident Energy (MeV)

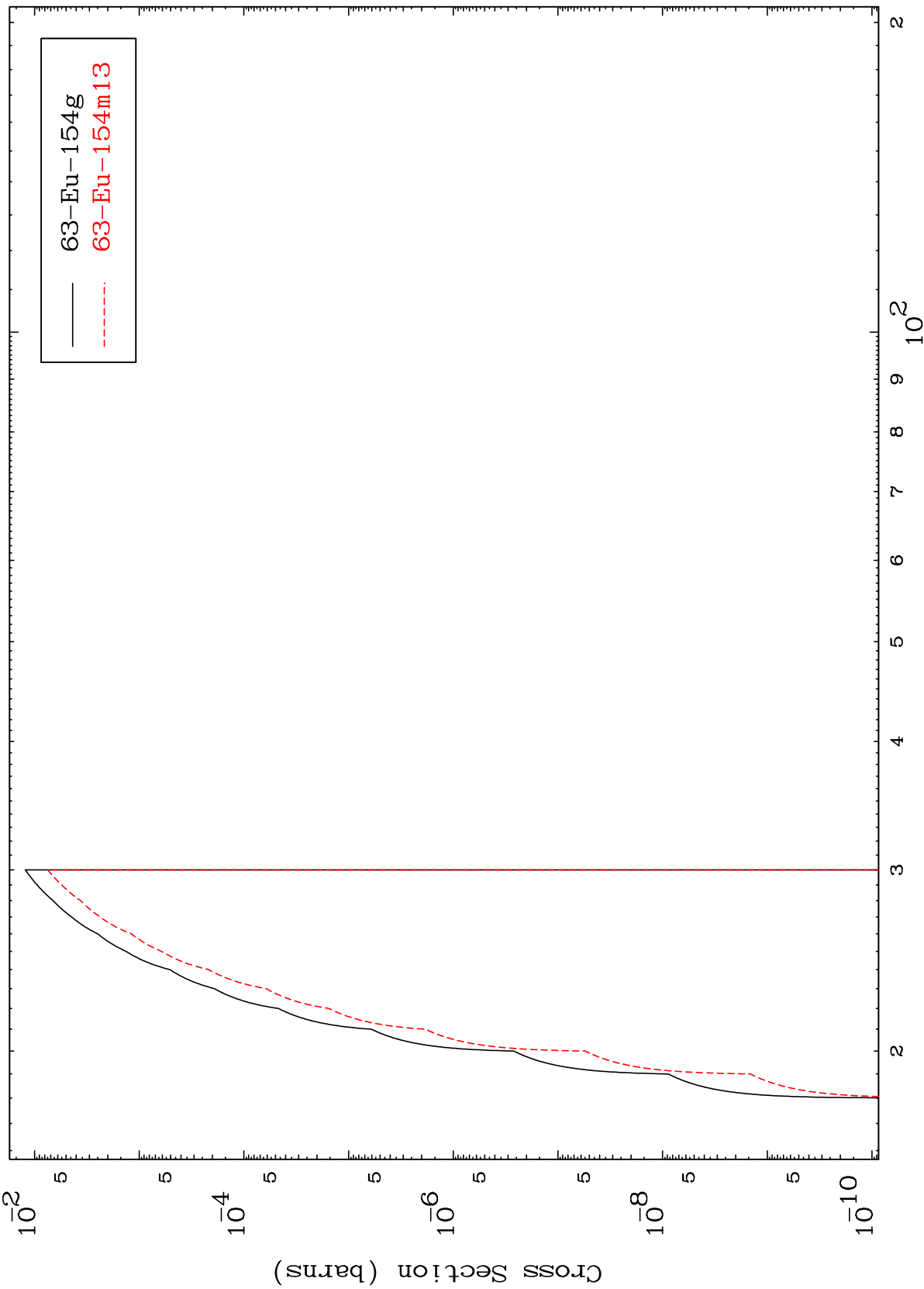
64-Gd-156

MAT 6437

(n,2n) p

64-Gd-156

Radionuclide Production Cross Section



129

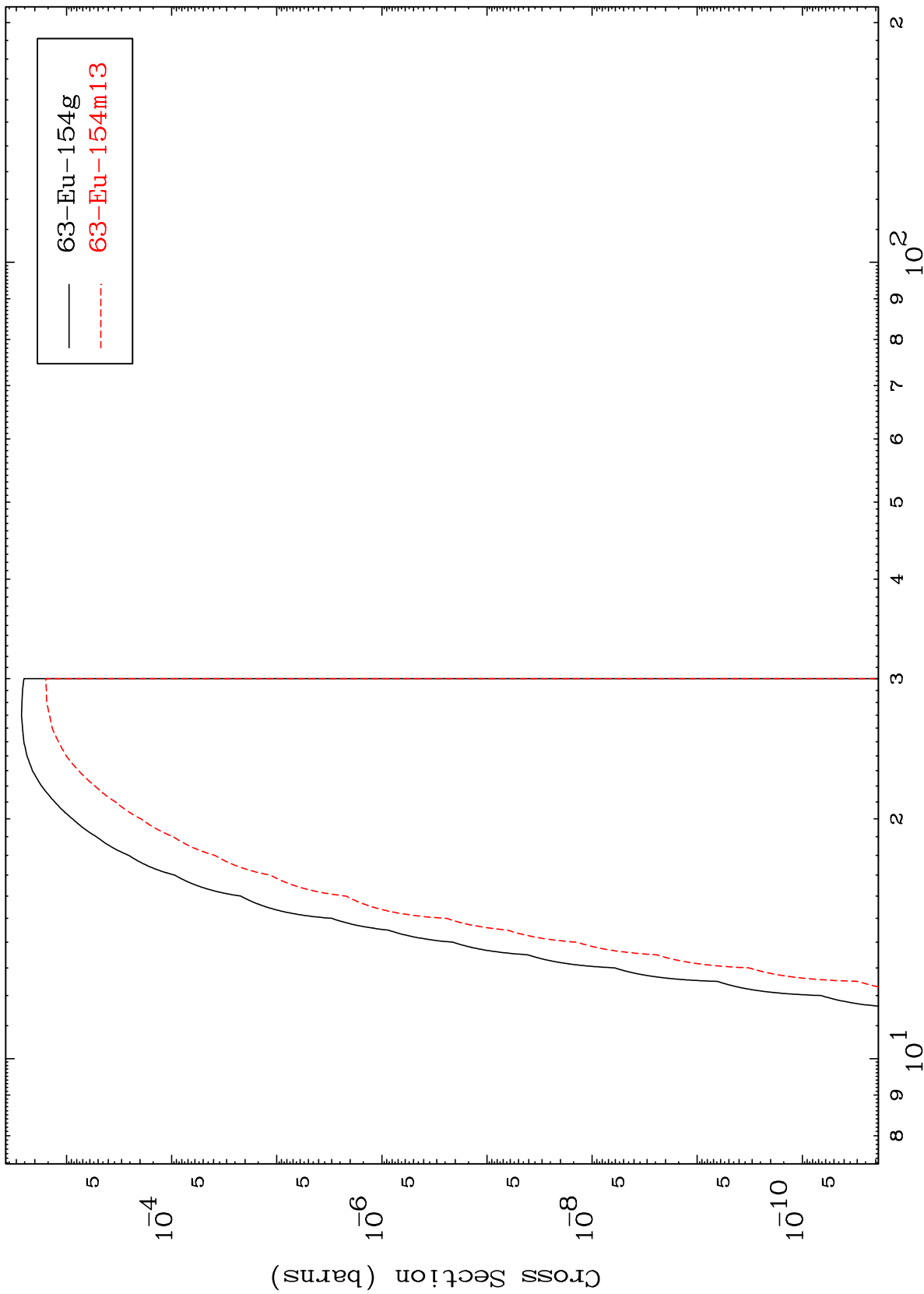
Incident Energy (MeV)

64-Gd-156

MAT 6437

64-Gd-156

(n, t)
Radionuclide Production Cross Section



130

Incident Energy (MeV)

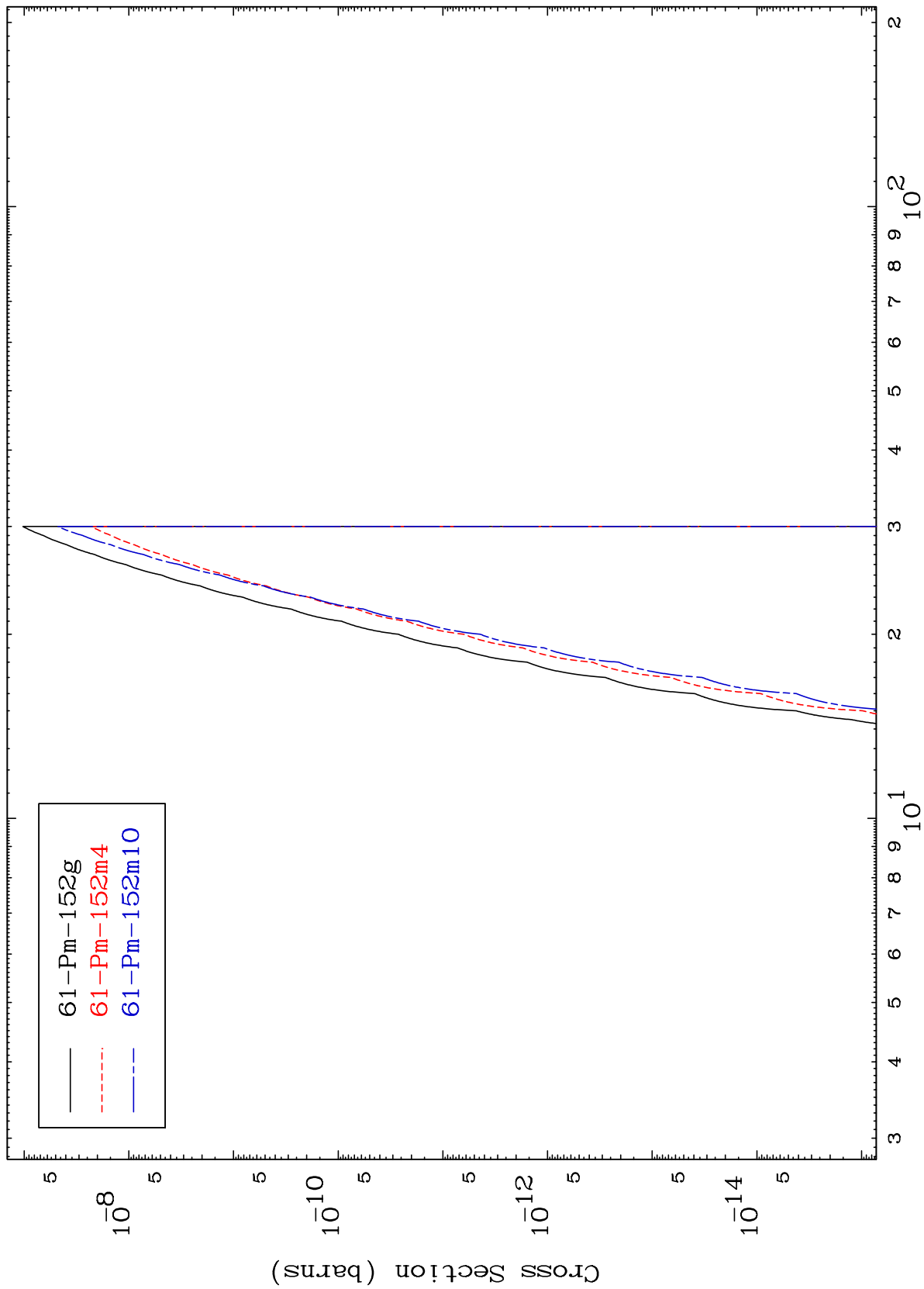
64-Gd-156

MAT 6437

(n,p) α

64-Gd-156

Radionuclide Production Cross Section



131

Incident Energy (MeV)

64-Gd-156