

Program EVALPLOT
(Version 2021-1)

by

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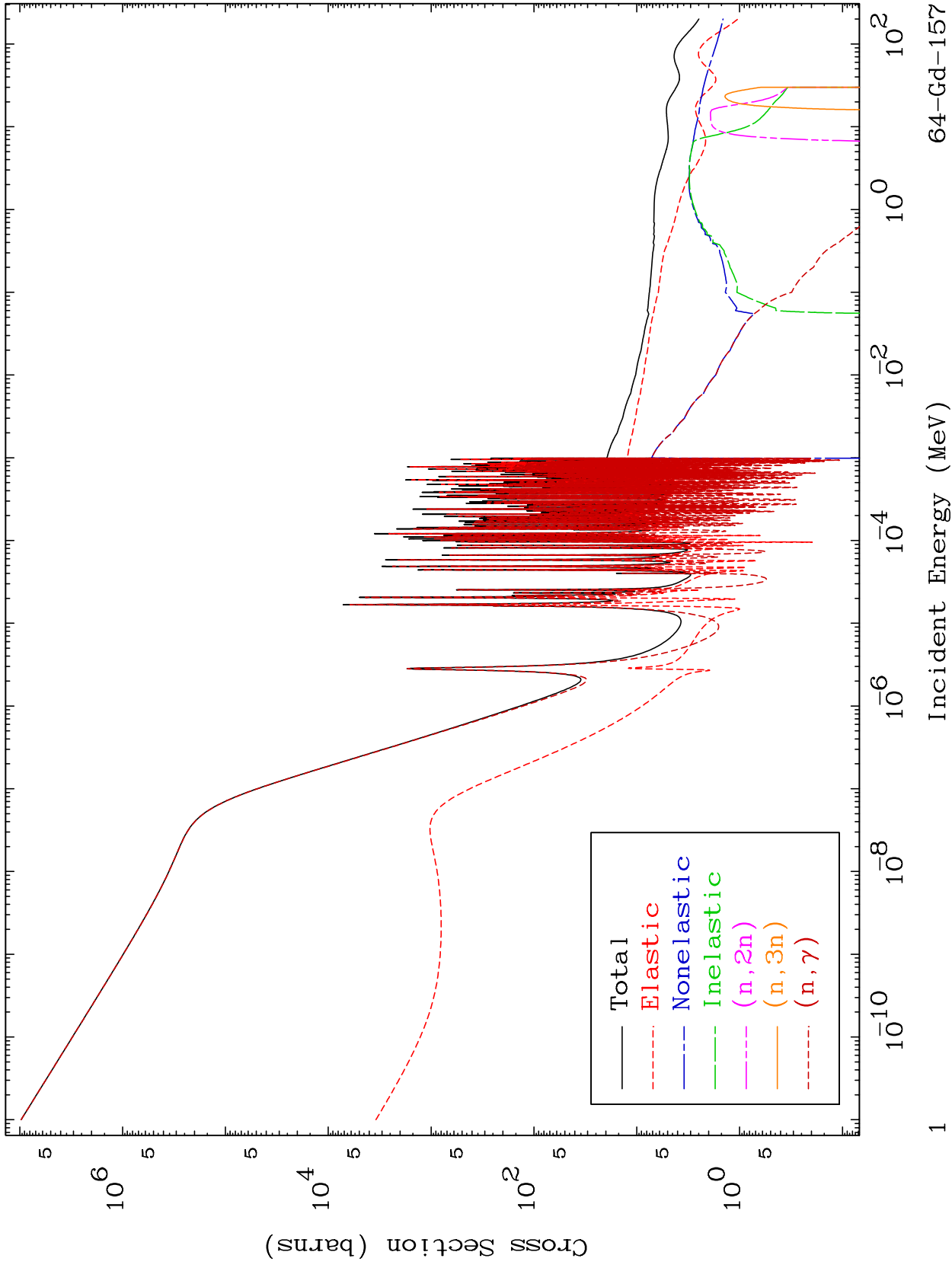
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Press Mouse Button to Start

MAT 6440

Neutron Major
293 Kelvin Cross Sections

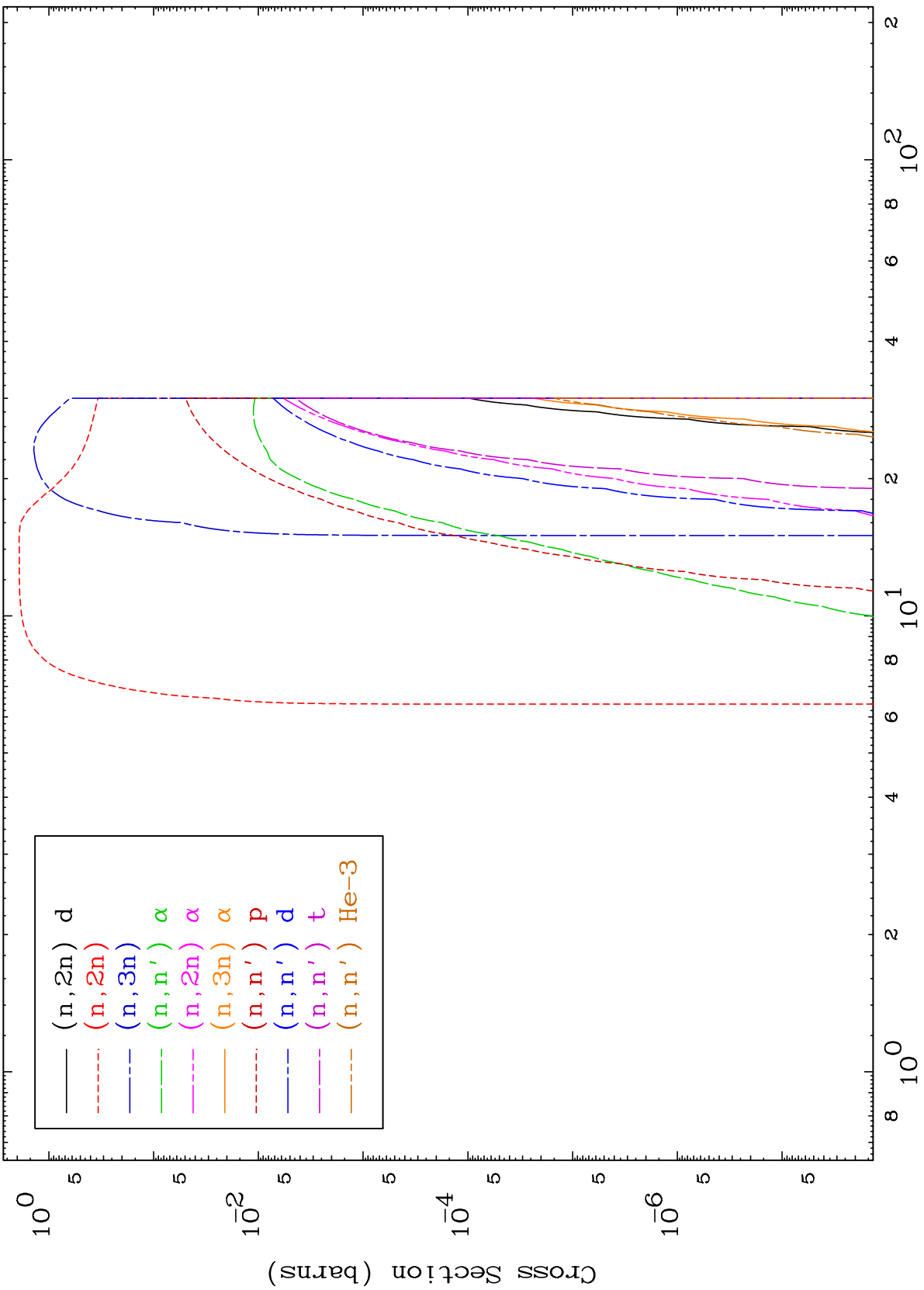
64-Gd-157



MAT 6440

Neutron Absorption
293 Kelvin Cross Sections

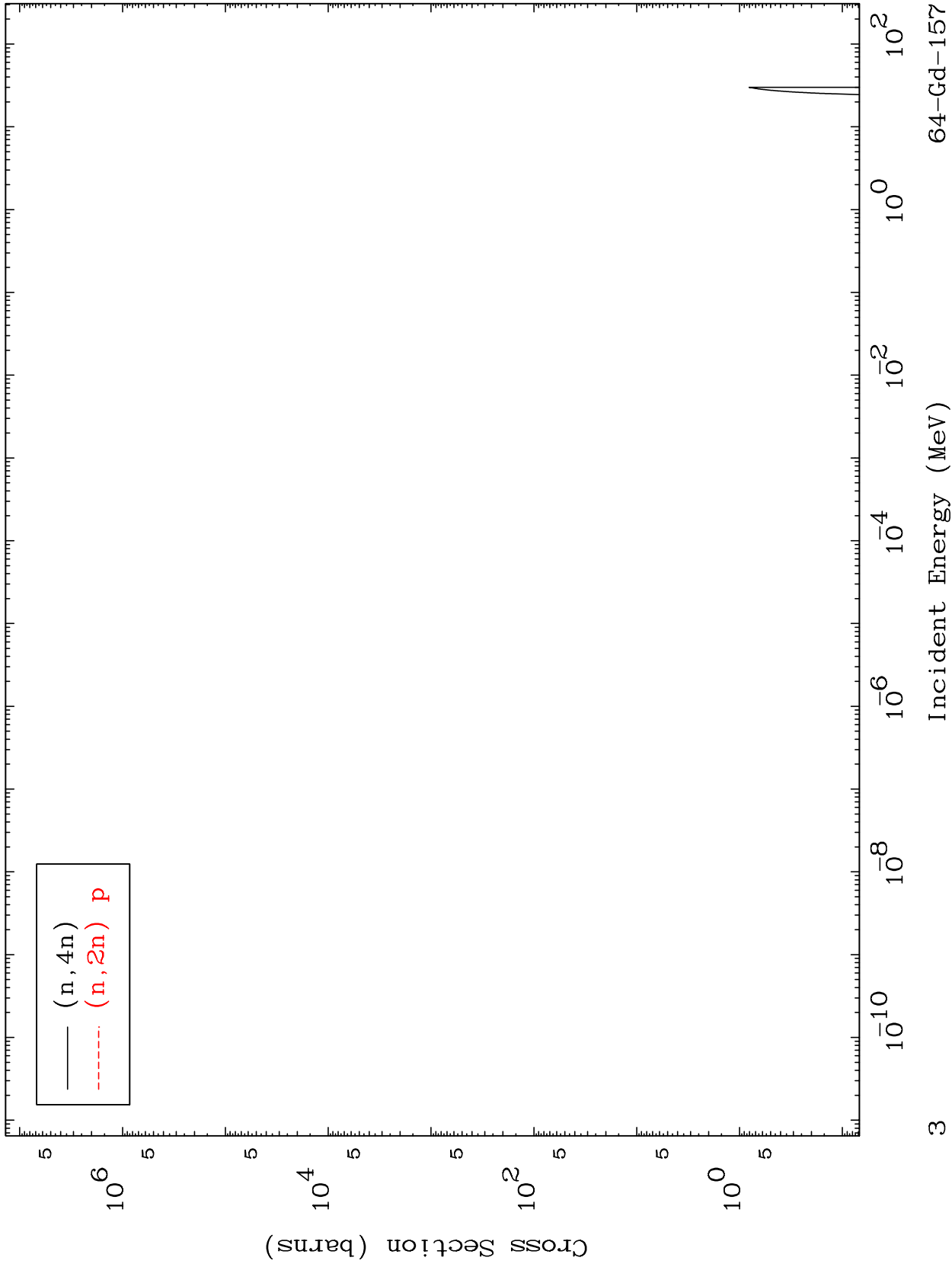
64-Gd-157



MAT 6440

Neutron Absorption
293 Kelvin Cross Sections

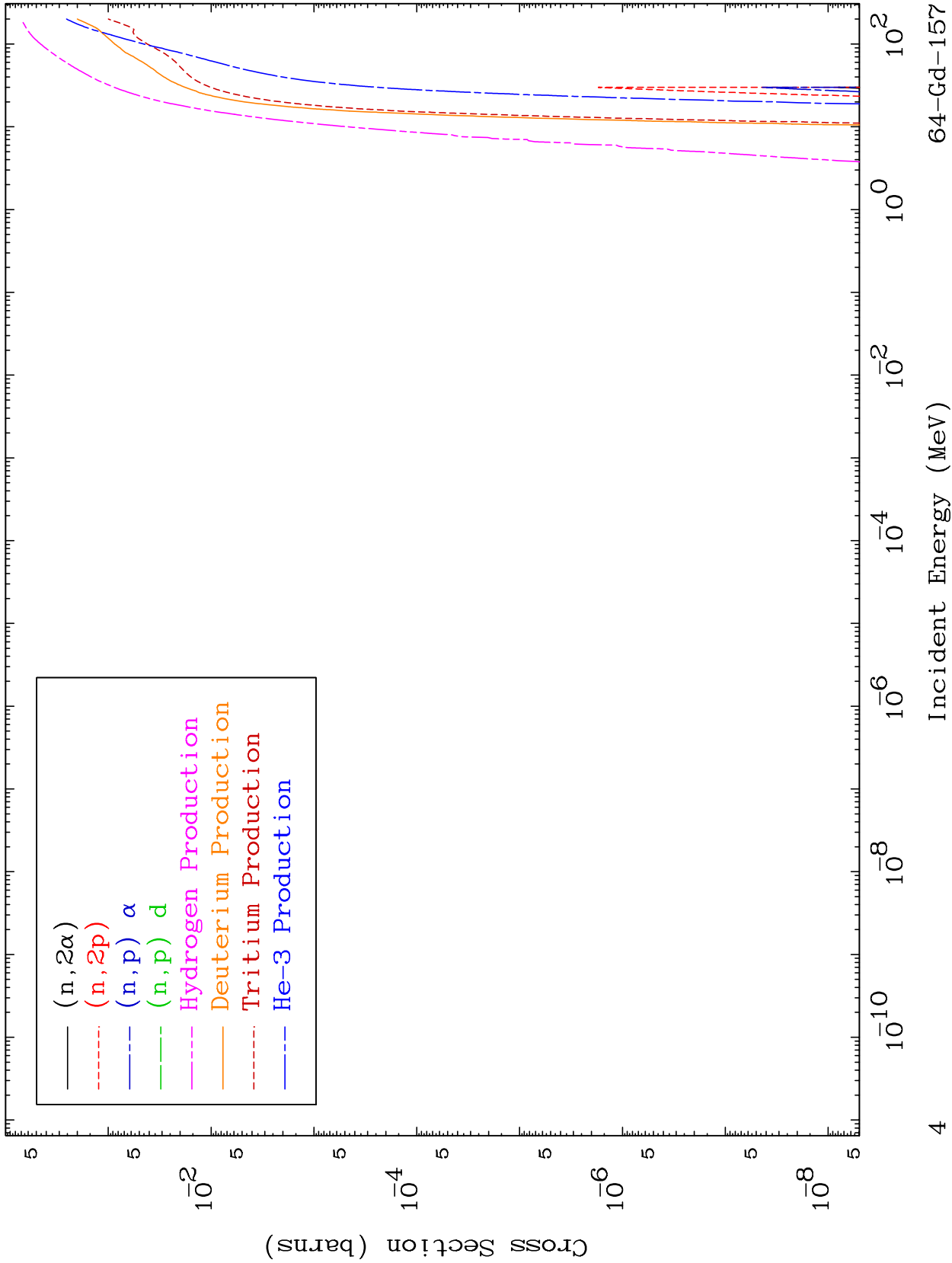
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MAT 6440

Neutron Absorption
293 Kelvin Cross Sections

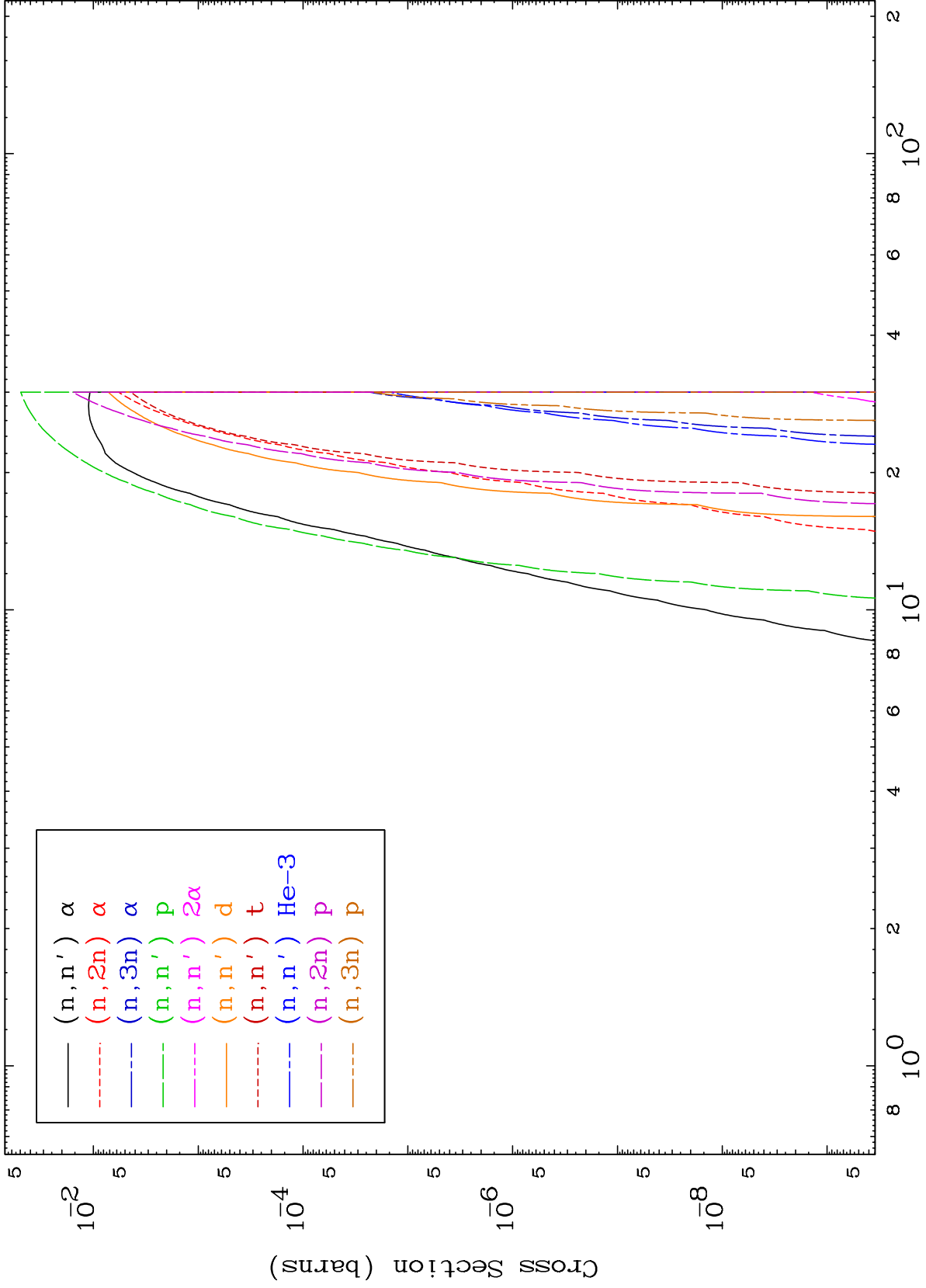
64-Gd-157



MAT 6440

Charged Particle
293 Kelvin Cross Sections

64-Gd-157



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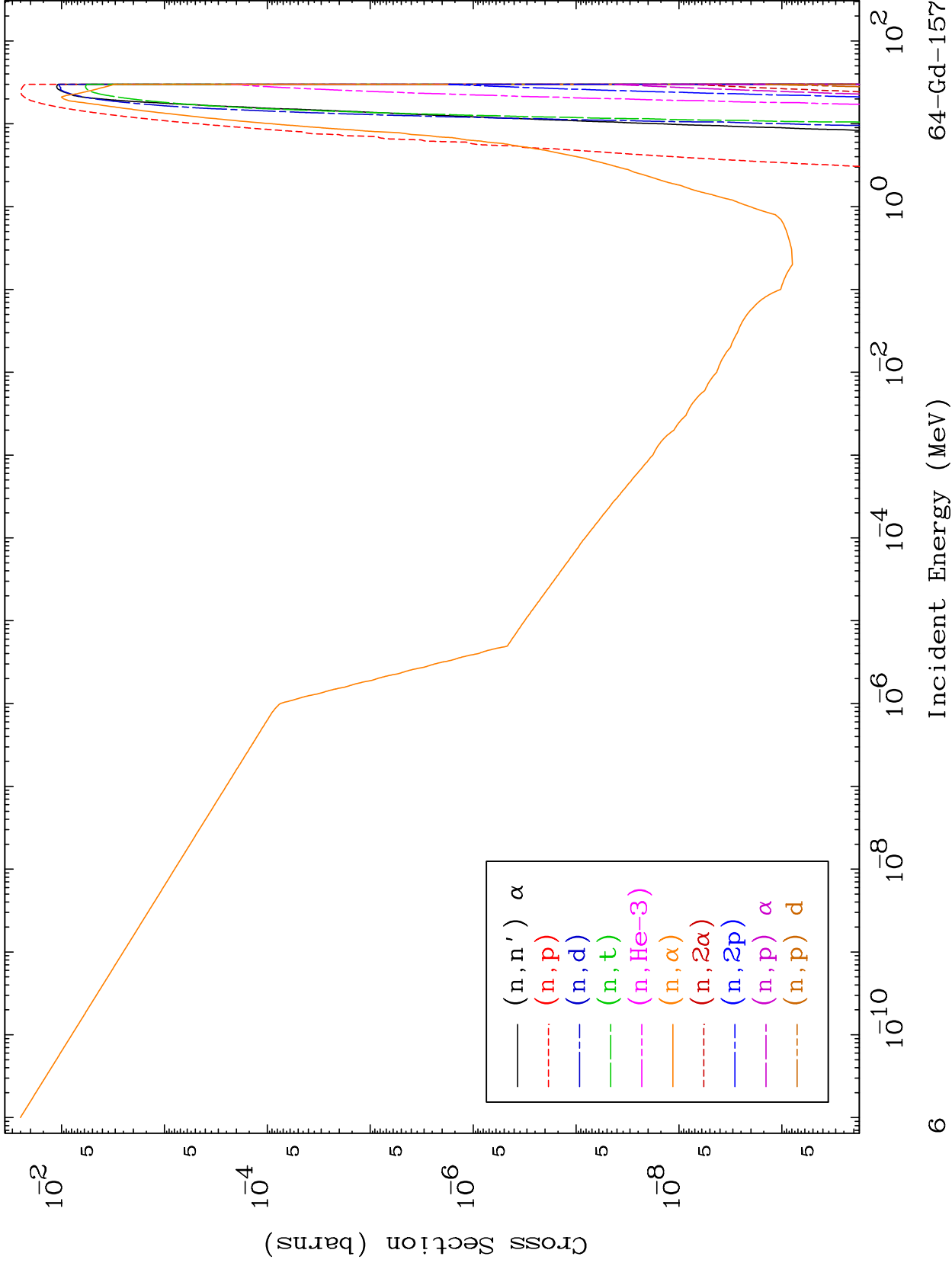
Incident Energy (MeV)

64-Gd-157

MAT 6440

Charged Particle
293 Kelvin Cross Sections

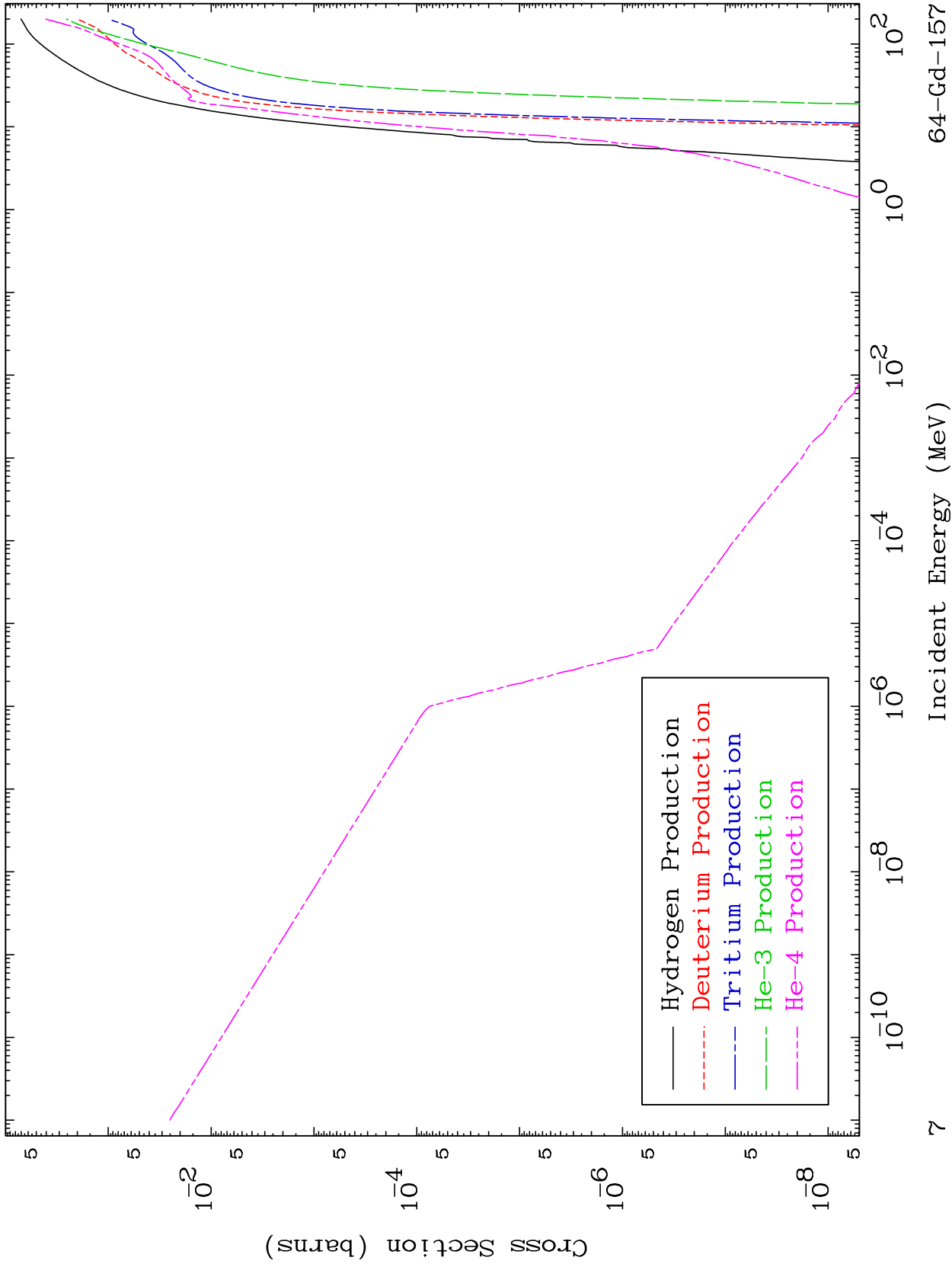
64-Gd-157



MAT 6440

Particle Production
293 Kelvin Cross Sections

64-Gd-157

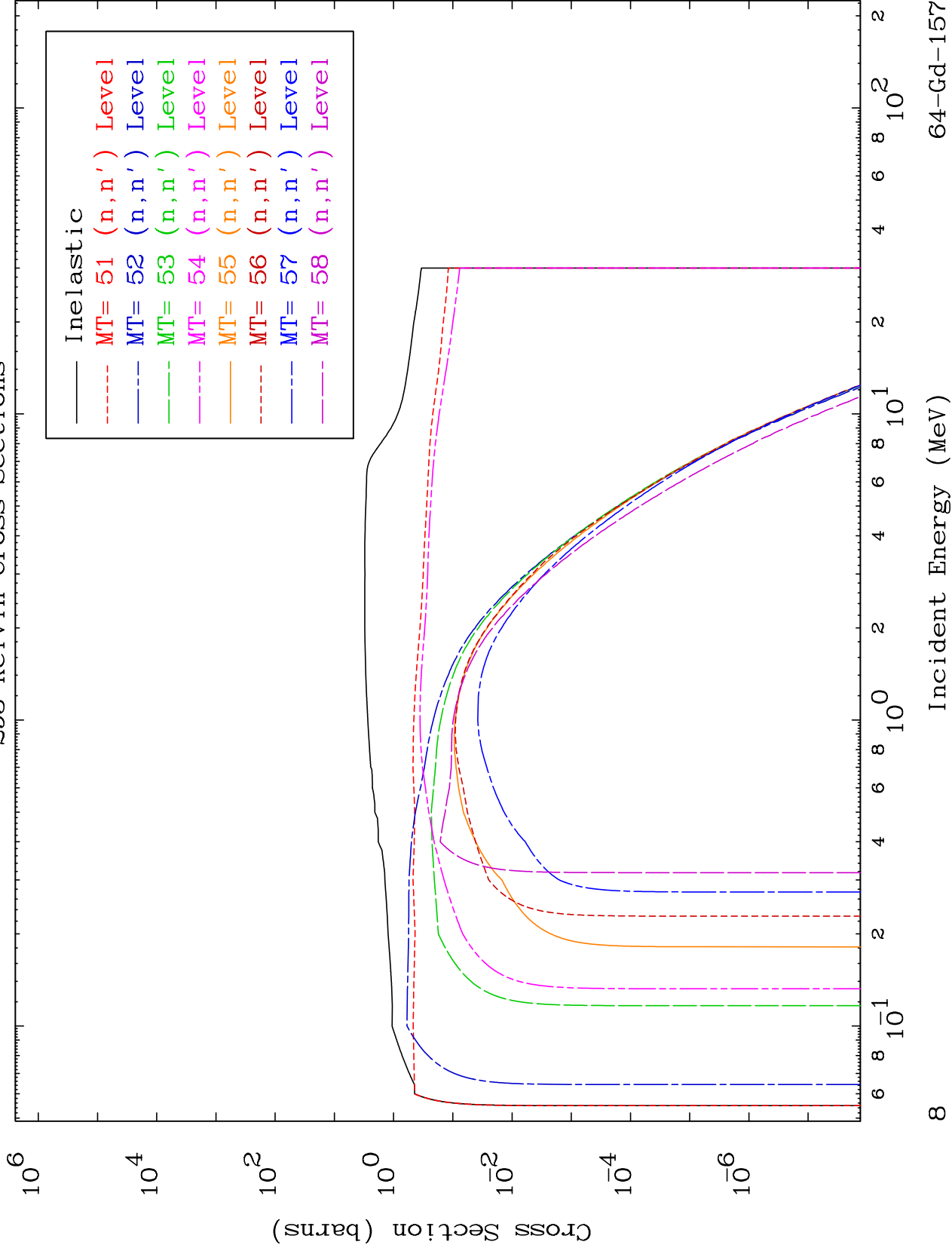


MAT 6440

(n,n') Levels

64-Gd-157

293 Kelvin Cross Sections



8

Incident Energy (MeV)

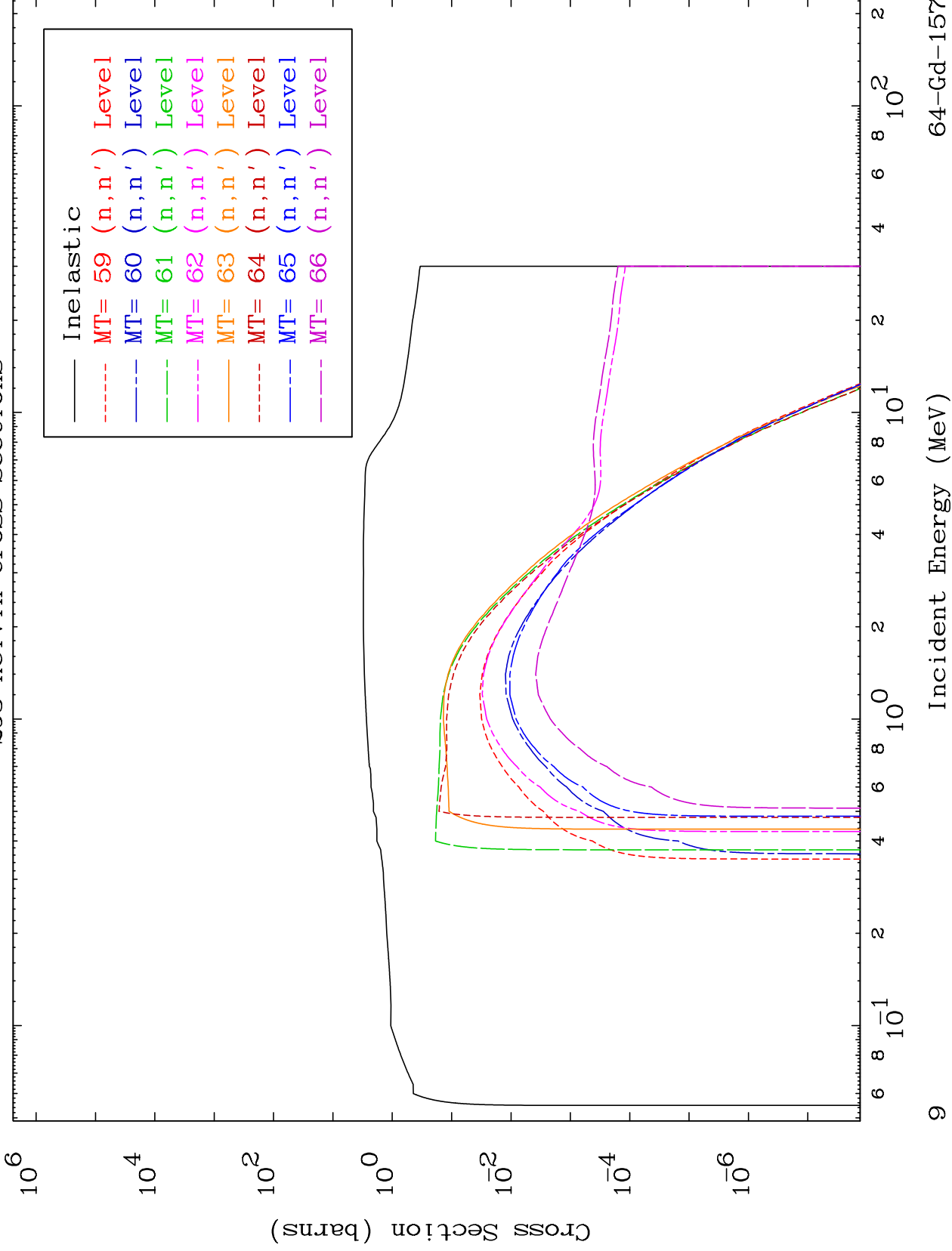
64-Gd-157

MAT 6440

(n,n') Levels

64-Gd-157

293 Kelvin Cross Sections

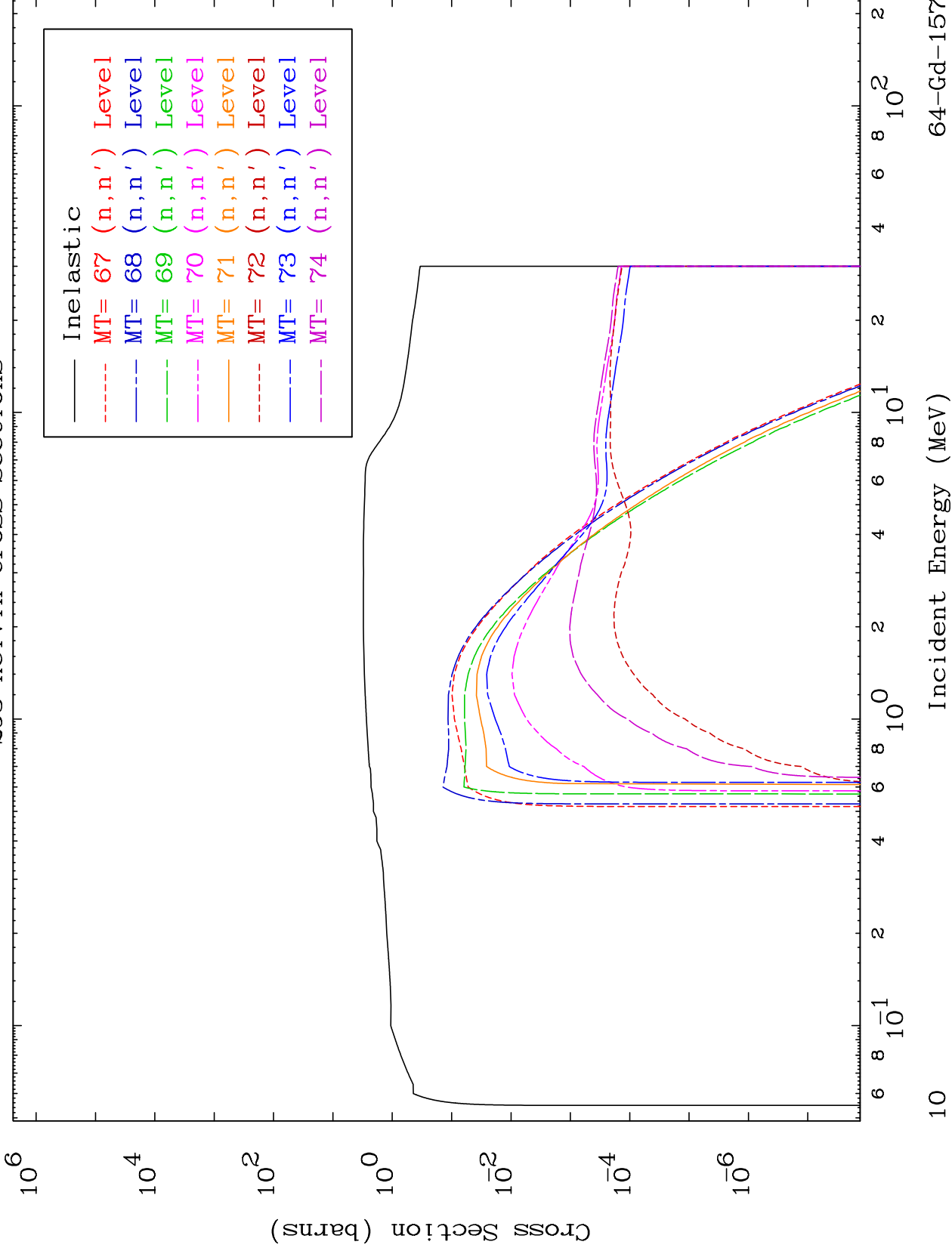


MAT 6440

(n,n') Levels

64-Gd-157

293 Kelvin Cross Sections

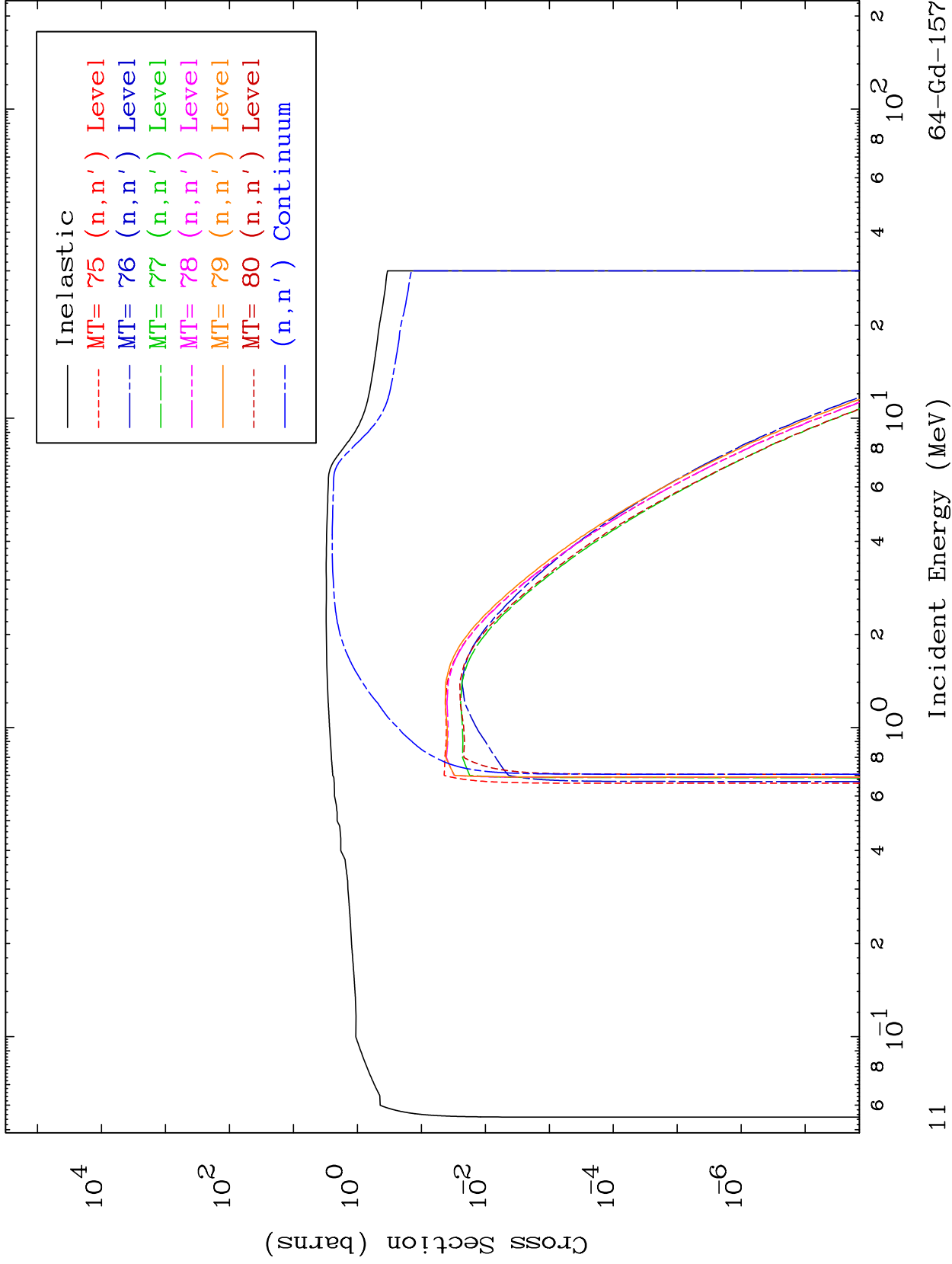


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Incident Energy (MeV)

64-Gd-157

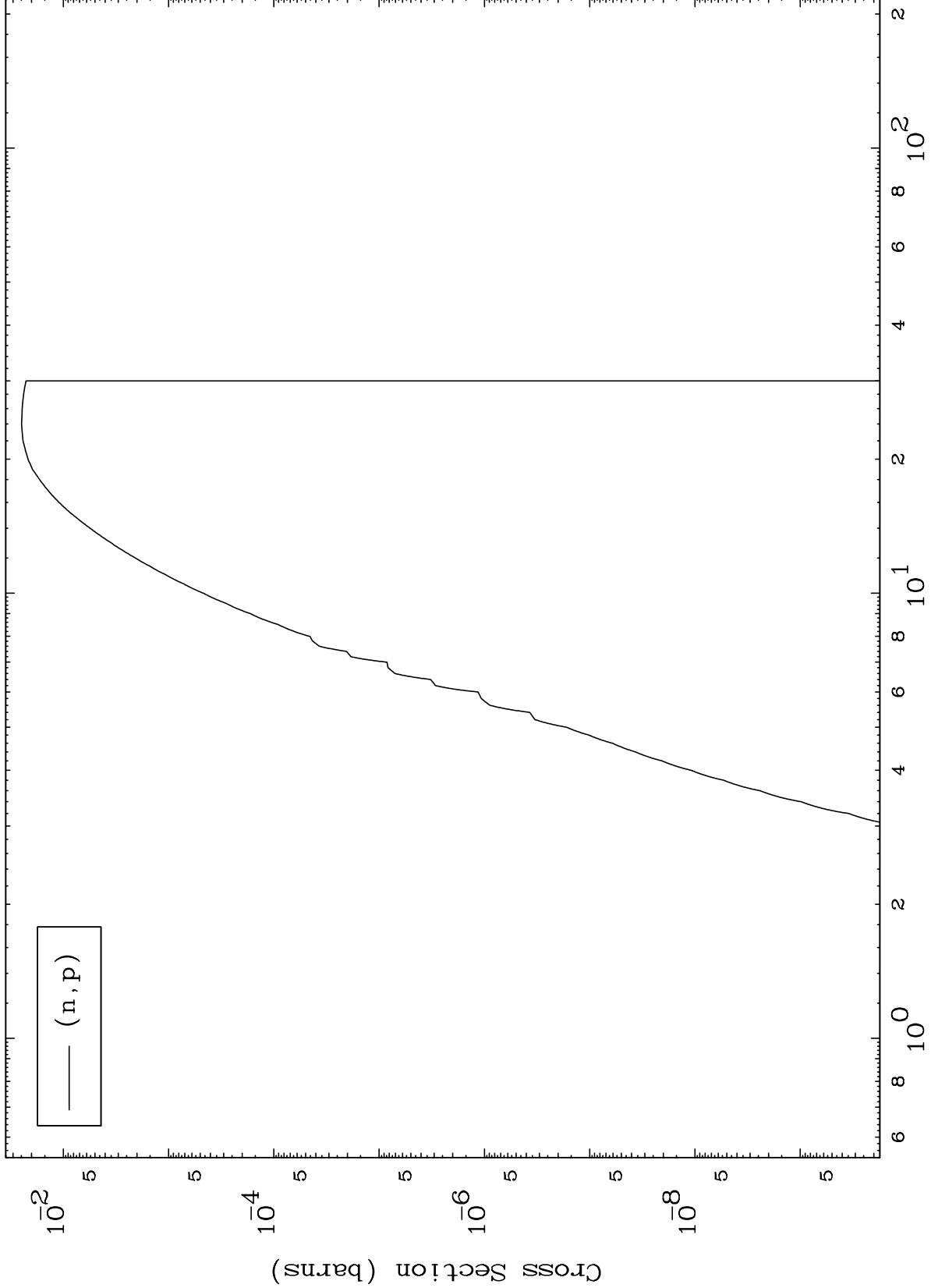
293 Kelvin Cross Sections



MAT 6440

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-157



64-Gd-157

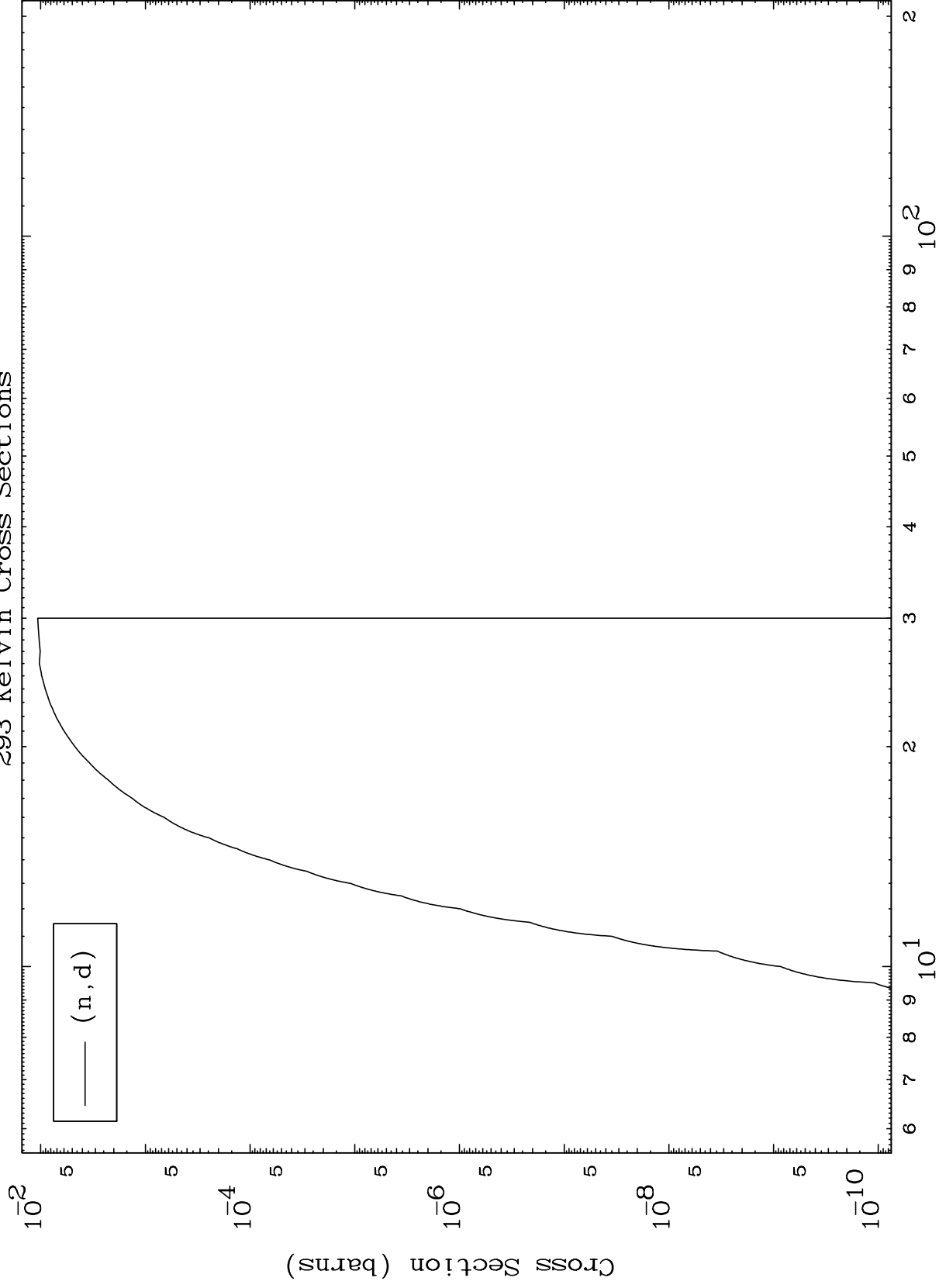
Incident Energy (MeV)

12

MAT 6440

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-157



13

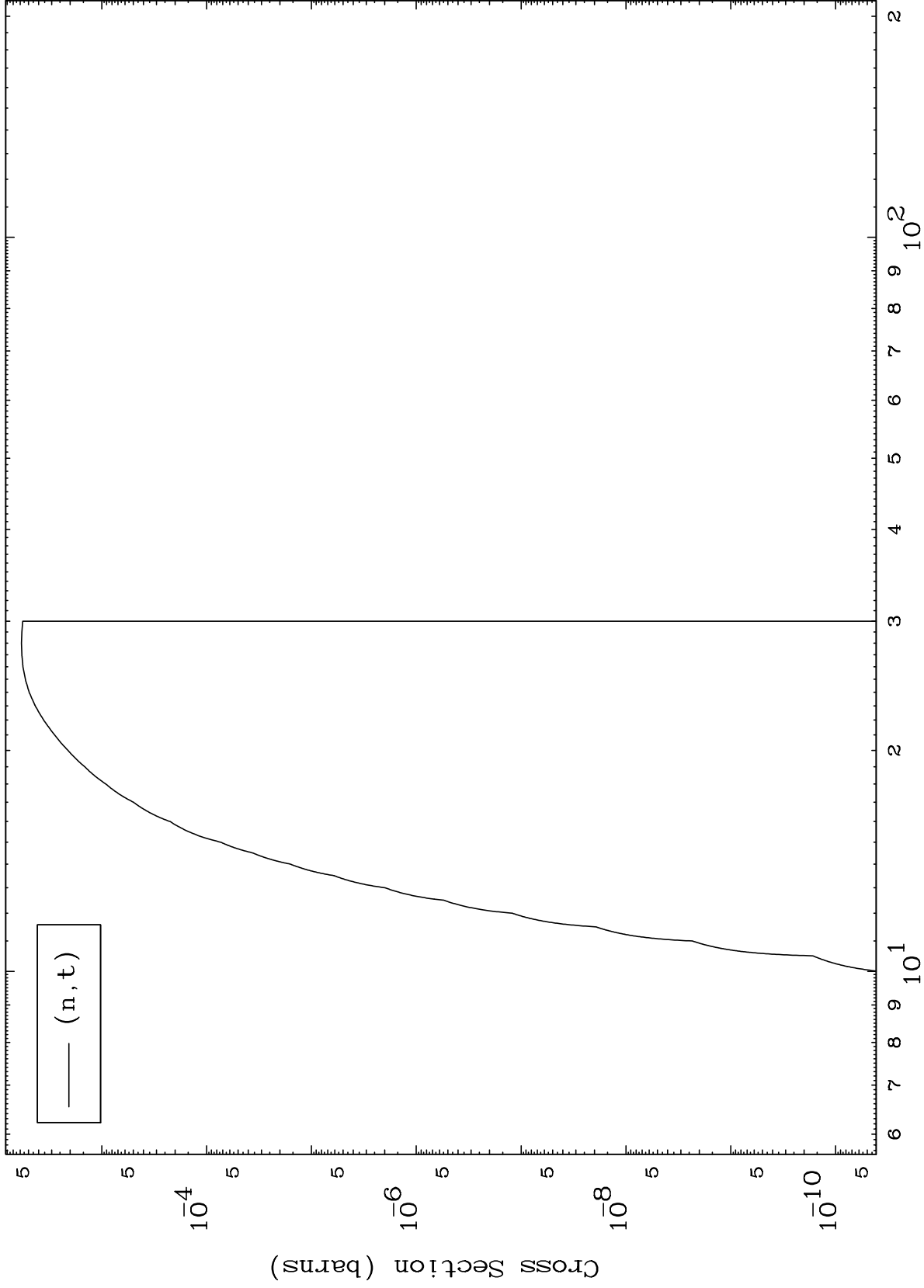
Incident Energy (MeV)

64-Gd-157

MAT 6440

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-157



14

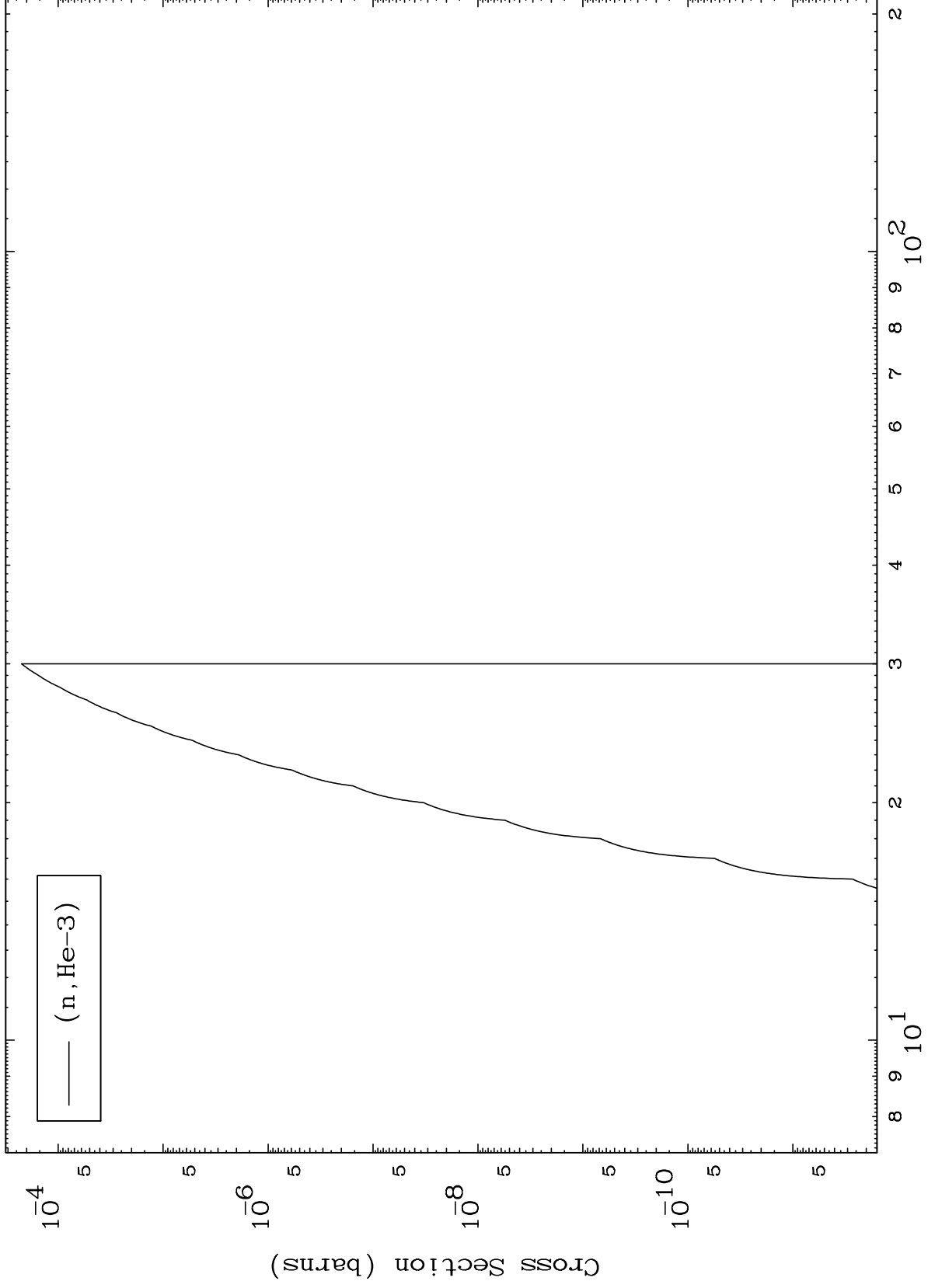
Incident Energy (MeV)

64-Gd-157

MAT 6440

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-157



15

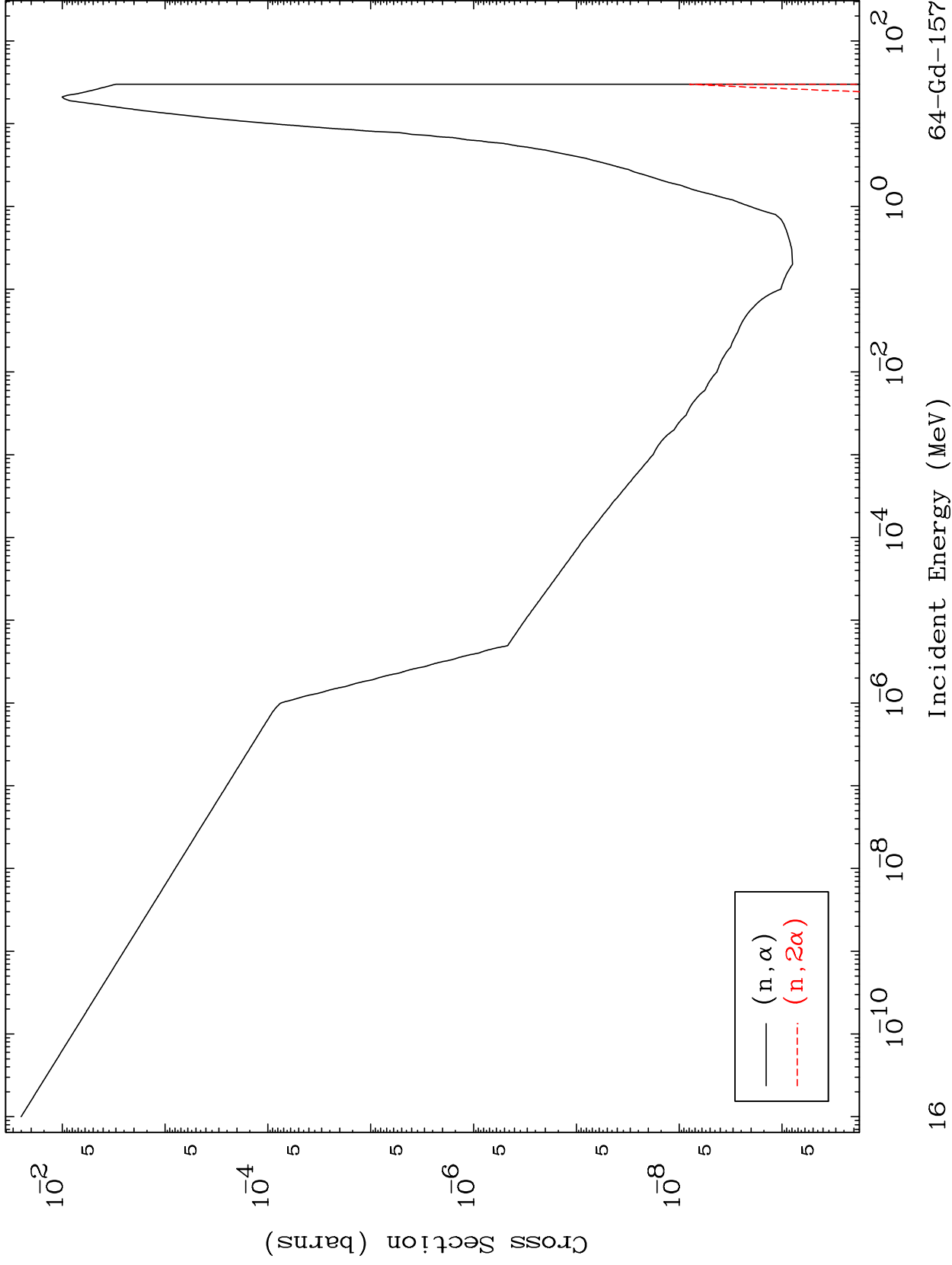
Incident Energy (MeV)

64-Gd-157

MAT 6440

(n, α) Levels
293 Kelvin Cross Sections

64-Gd-157



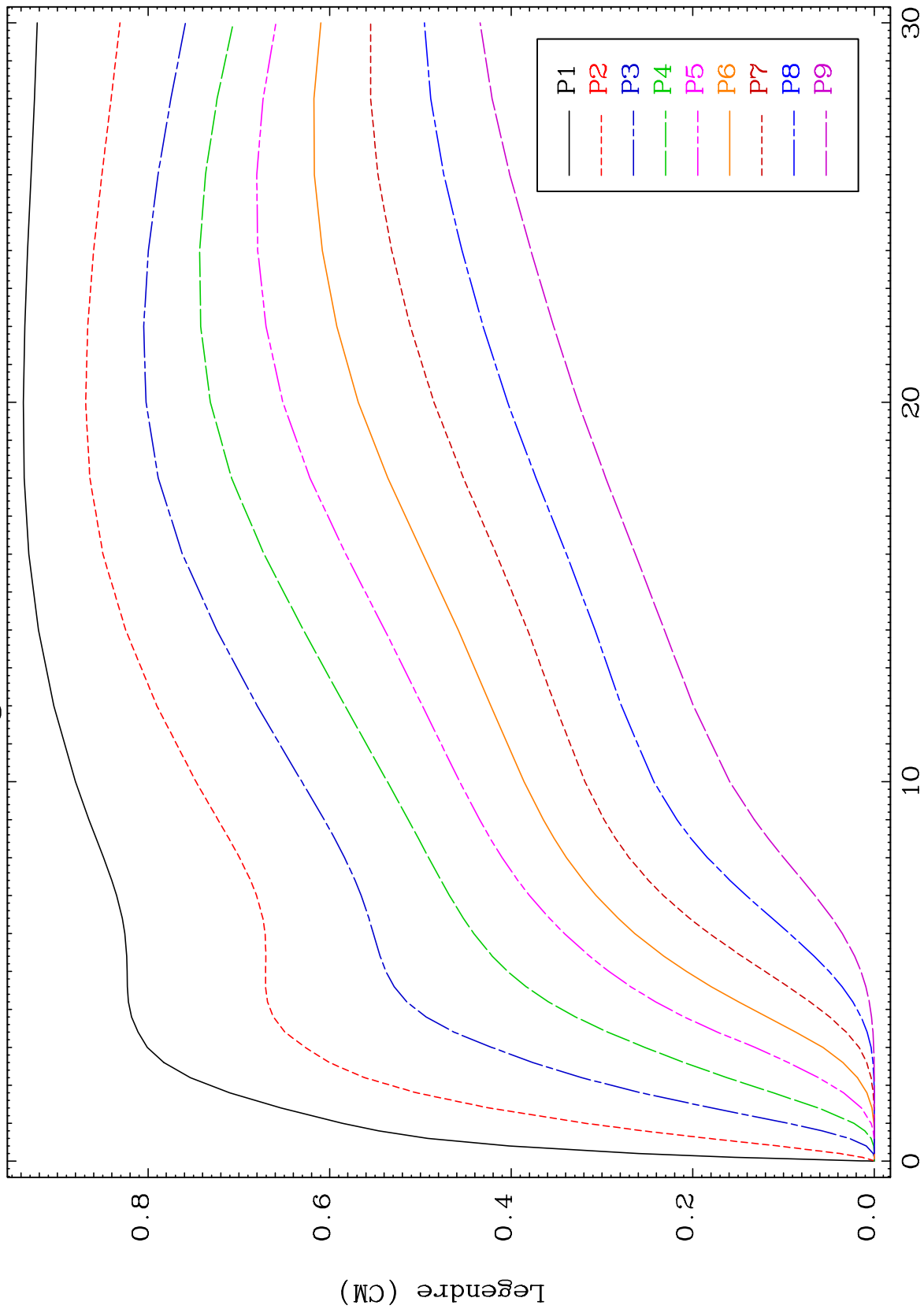
16

64-Gd-157

MAT 6440

Elastic Legendre Coefficients

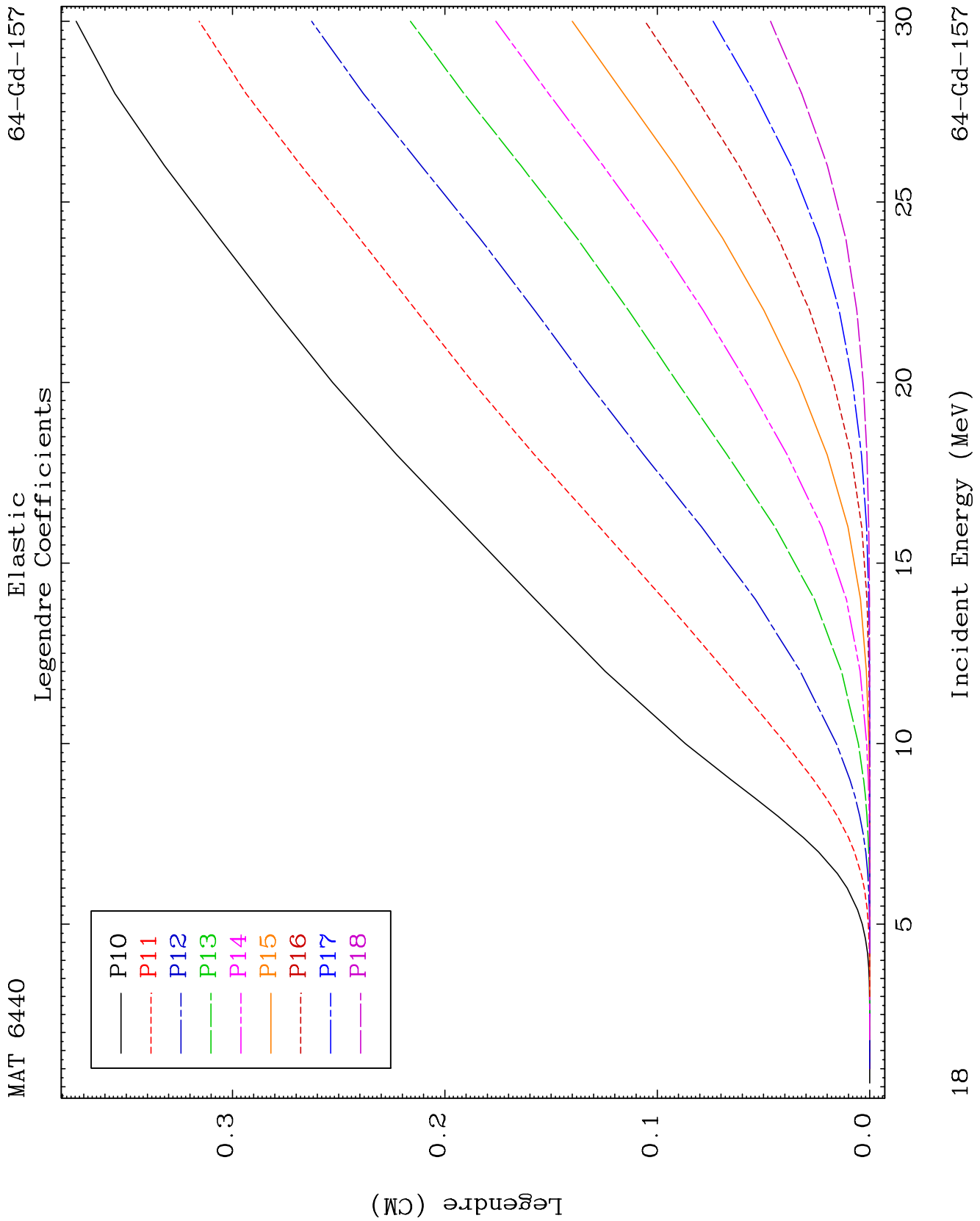
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17

Incident Energy (MeV)

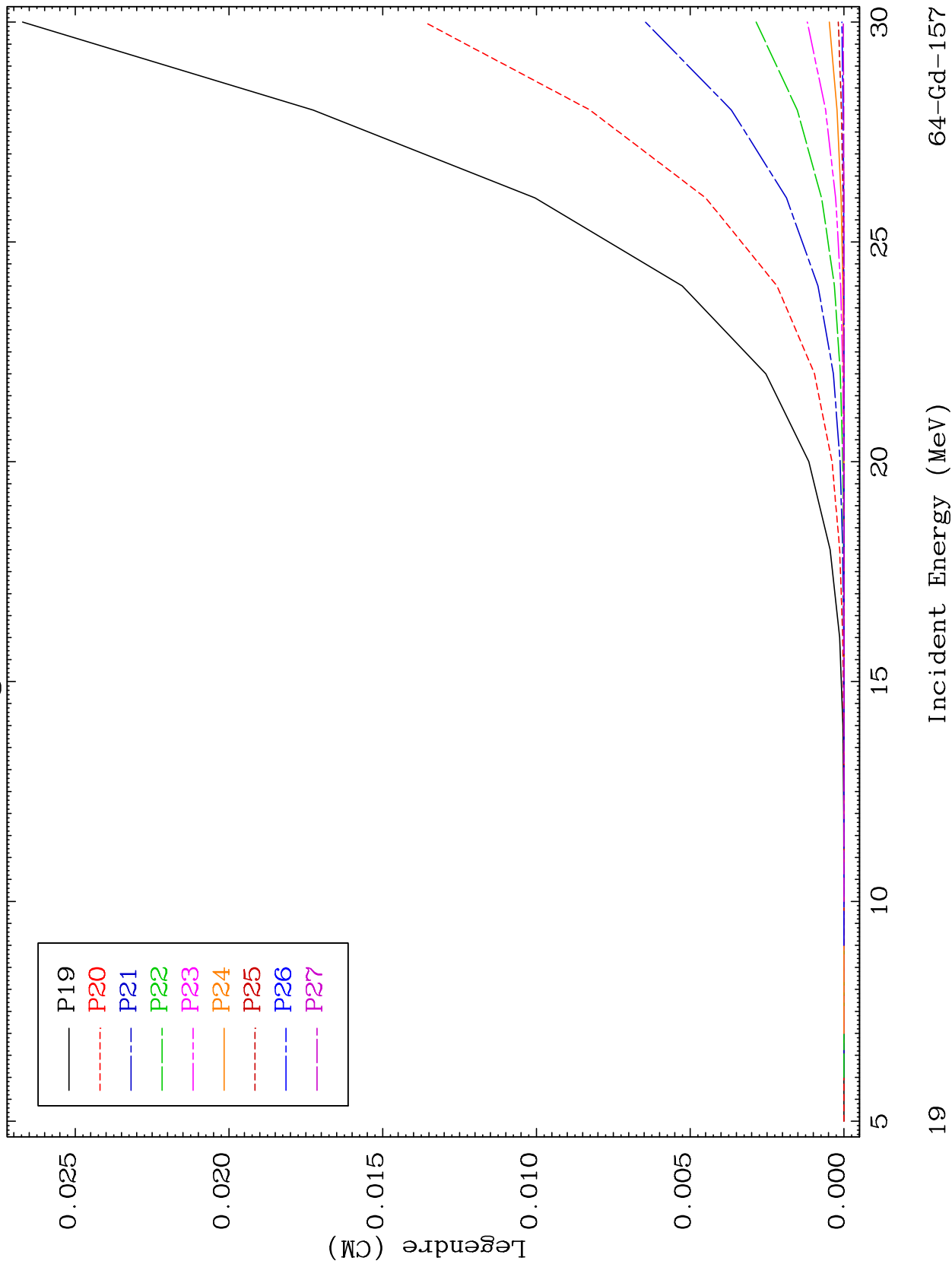
64-Gd-157



MAT 6440

Elastic Legendre Coefficients

64-Gd-157



19

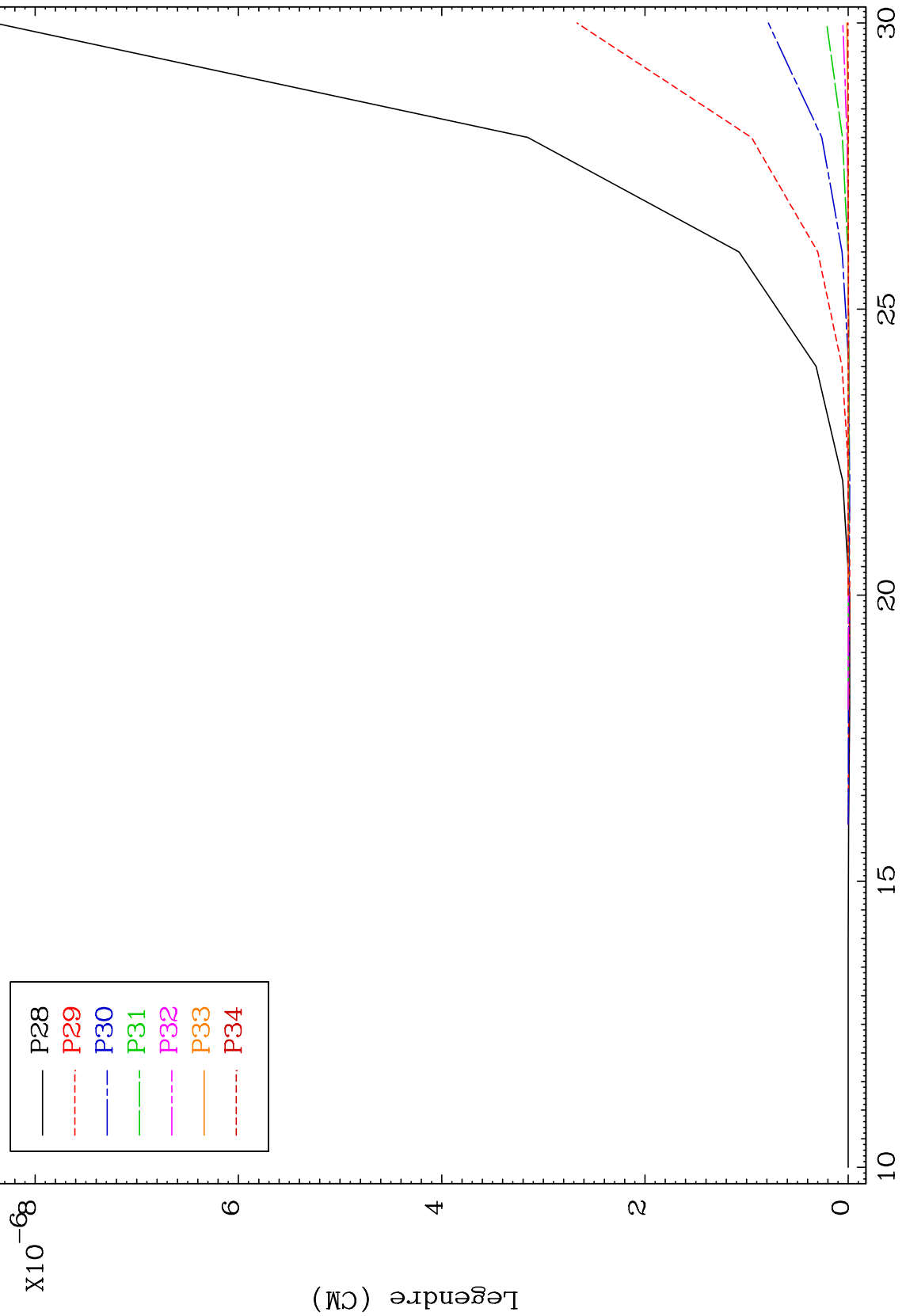
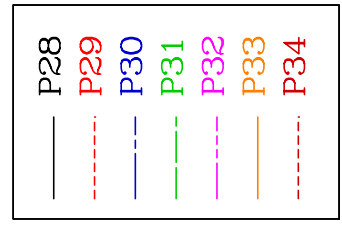
Incident Energy (MeV)

64-Gd-157

MAT 6440

Elastic Legendre Coefficients

64-Gd-157



64-Gd-157

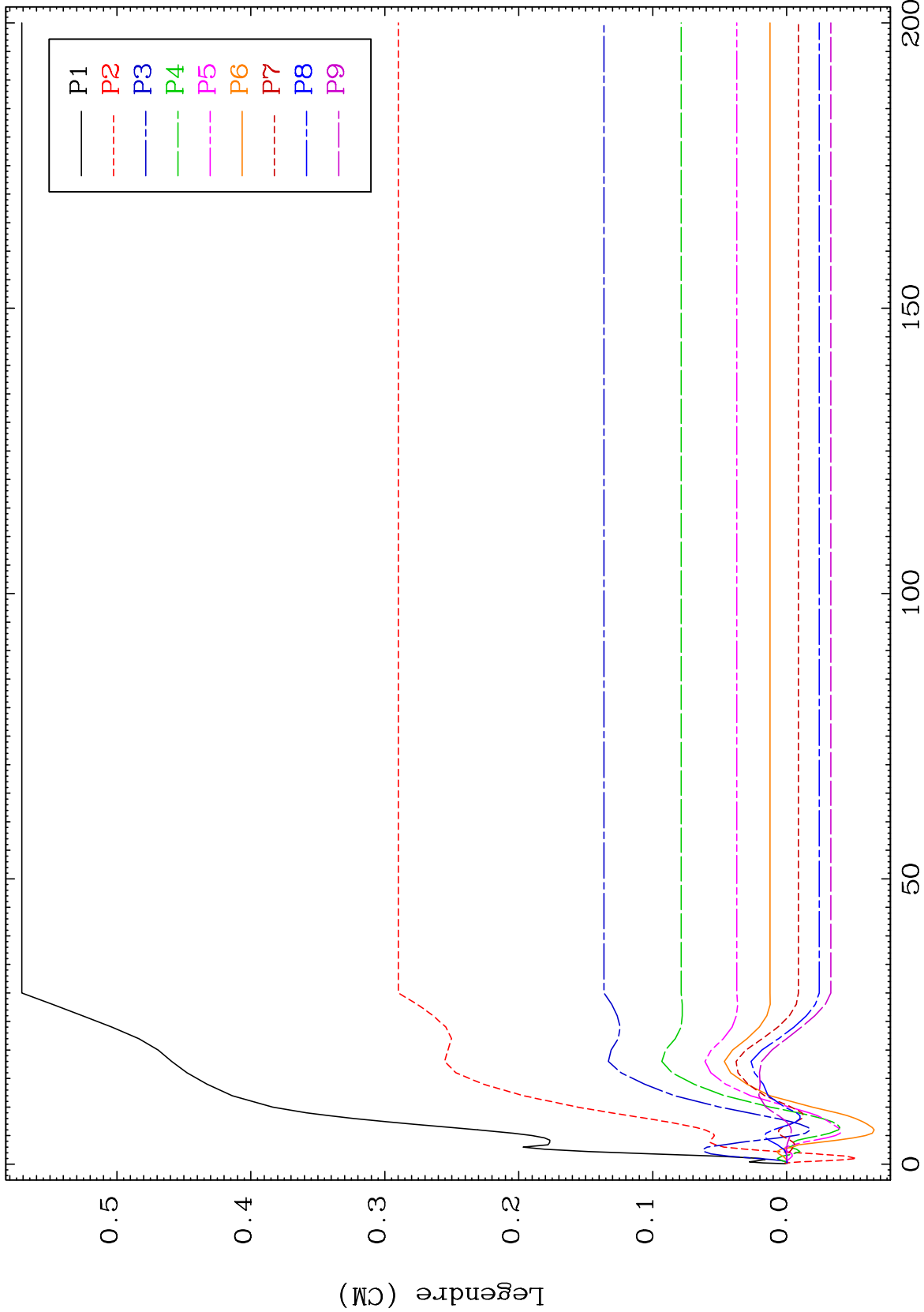
Incident Energy (MeV)

20

MAT 6440

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

64-Gd-157



21

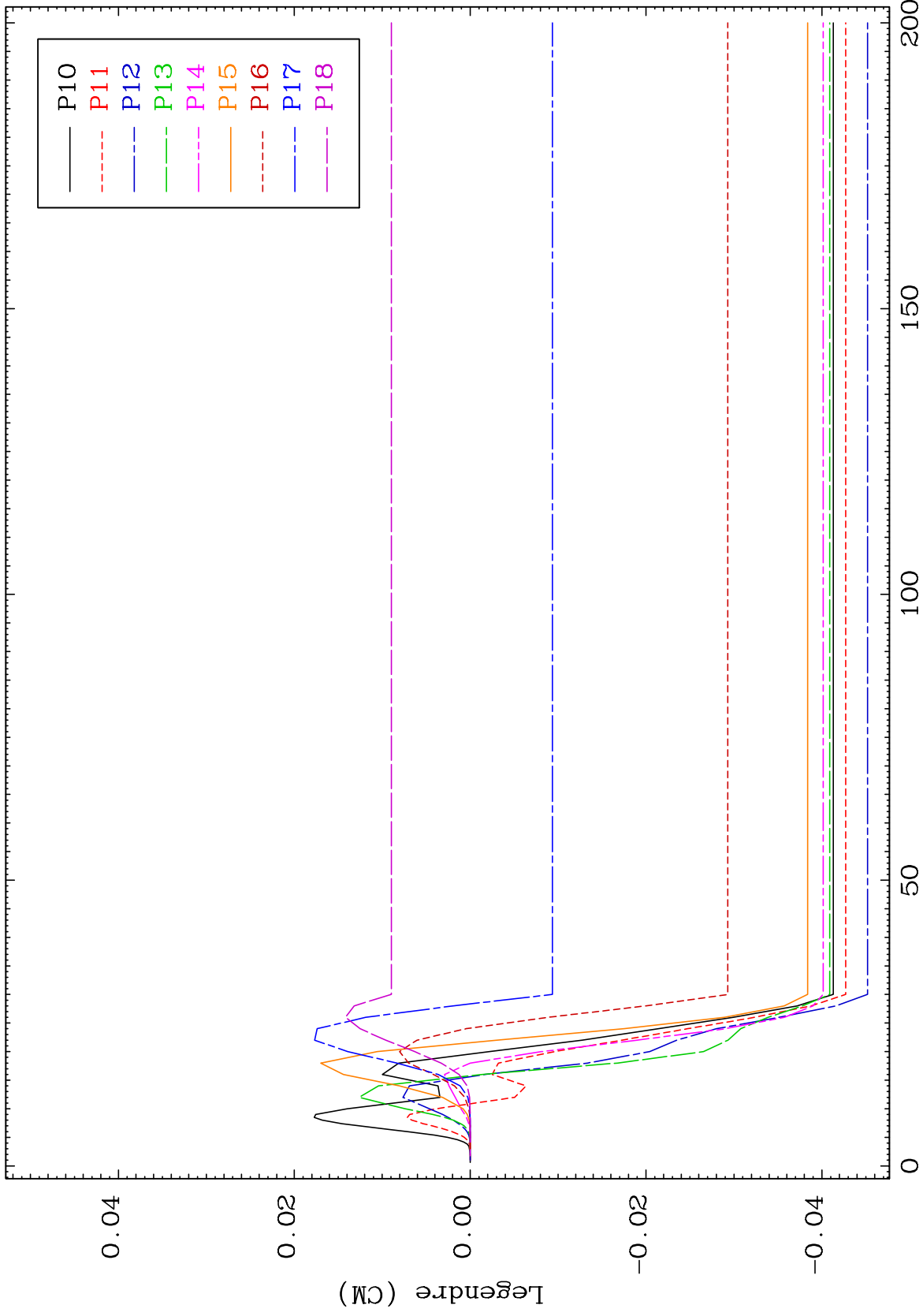
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



22

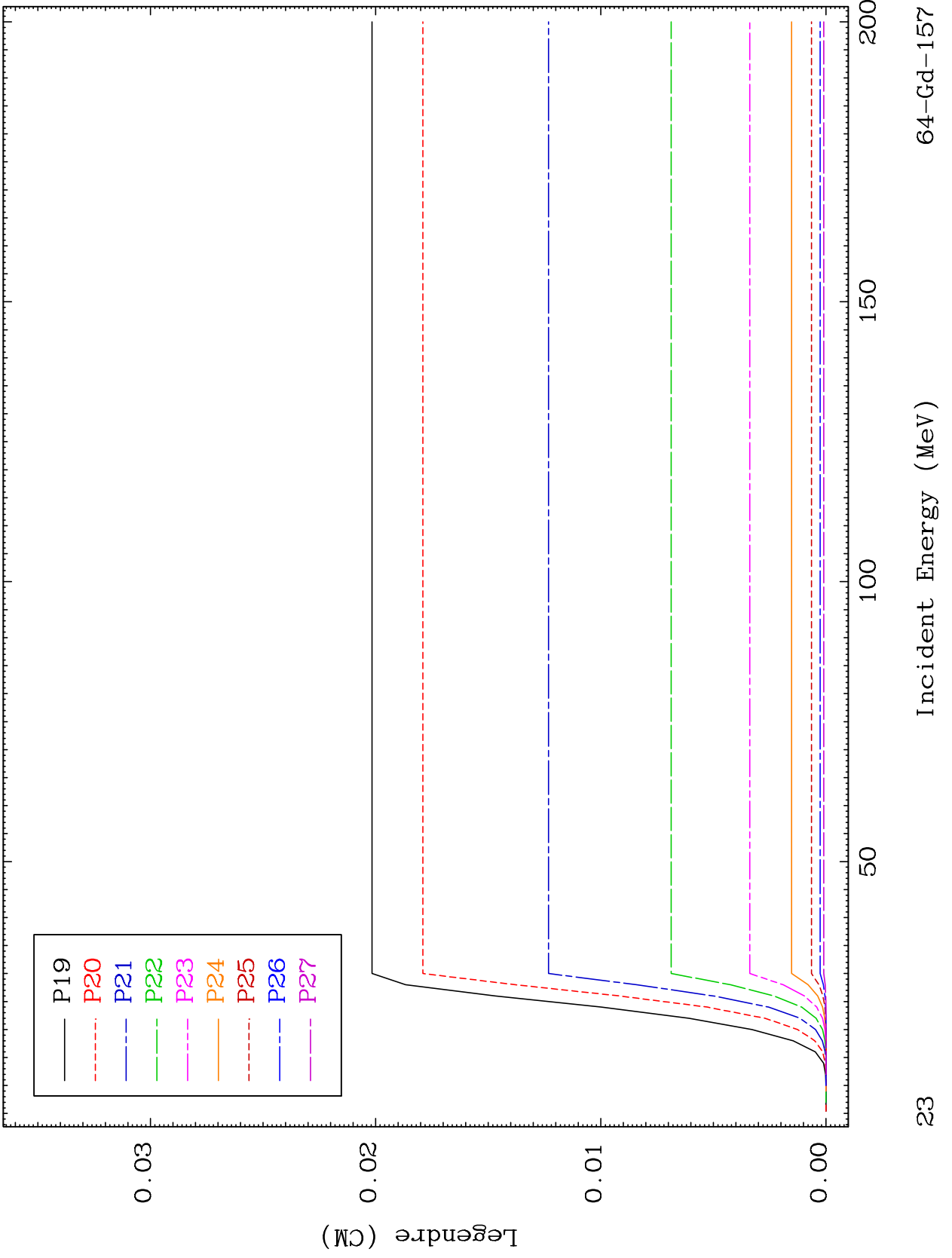
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

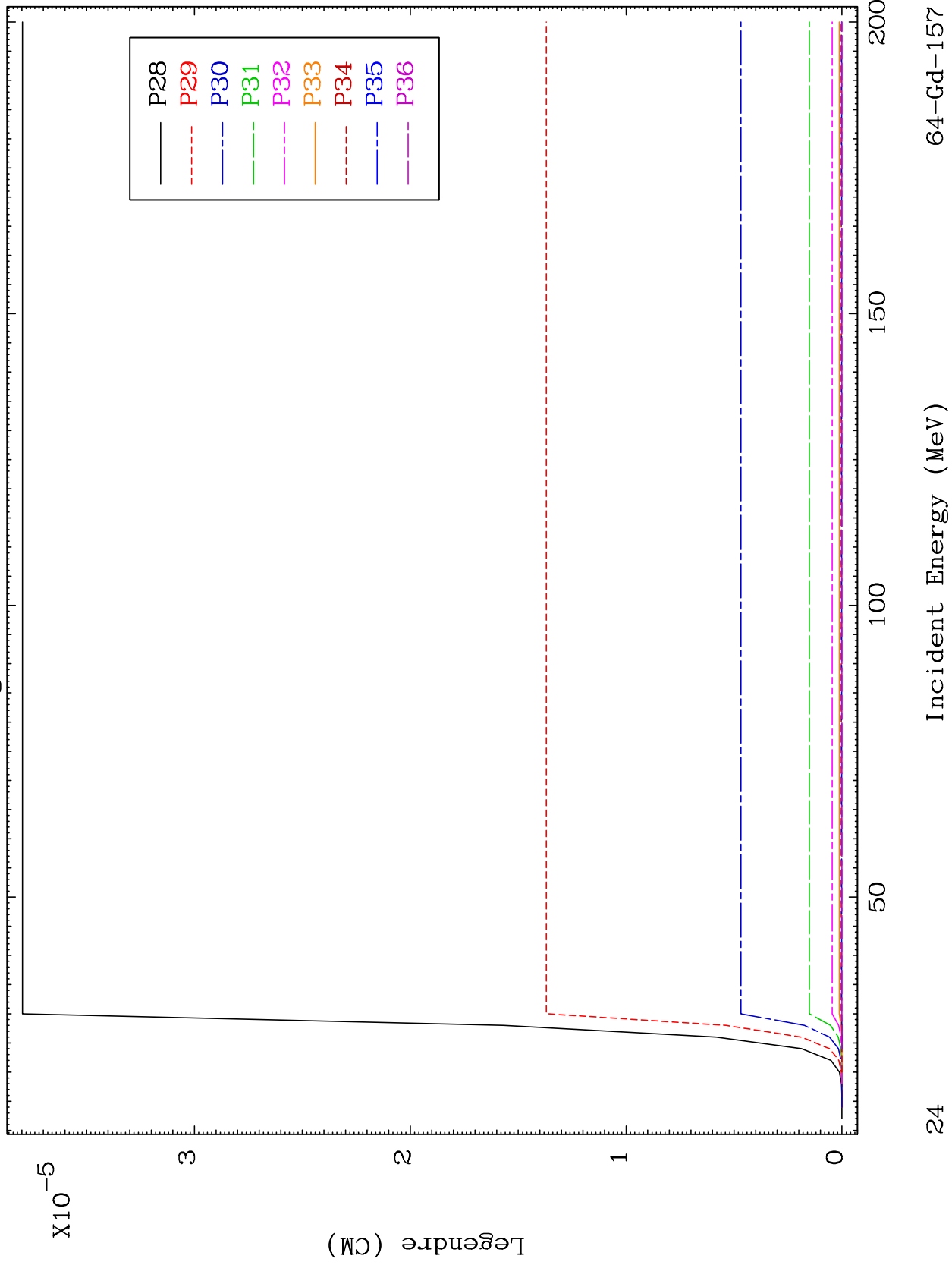
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MAT 6440

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

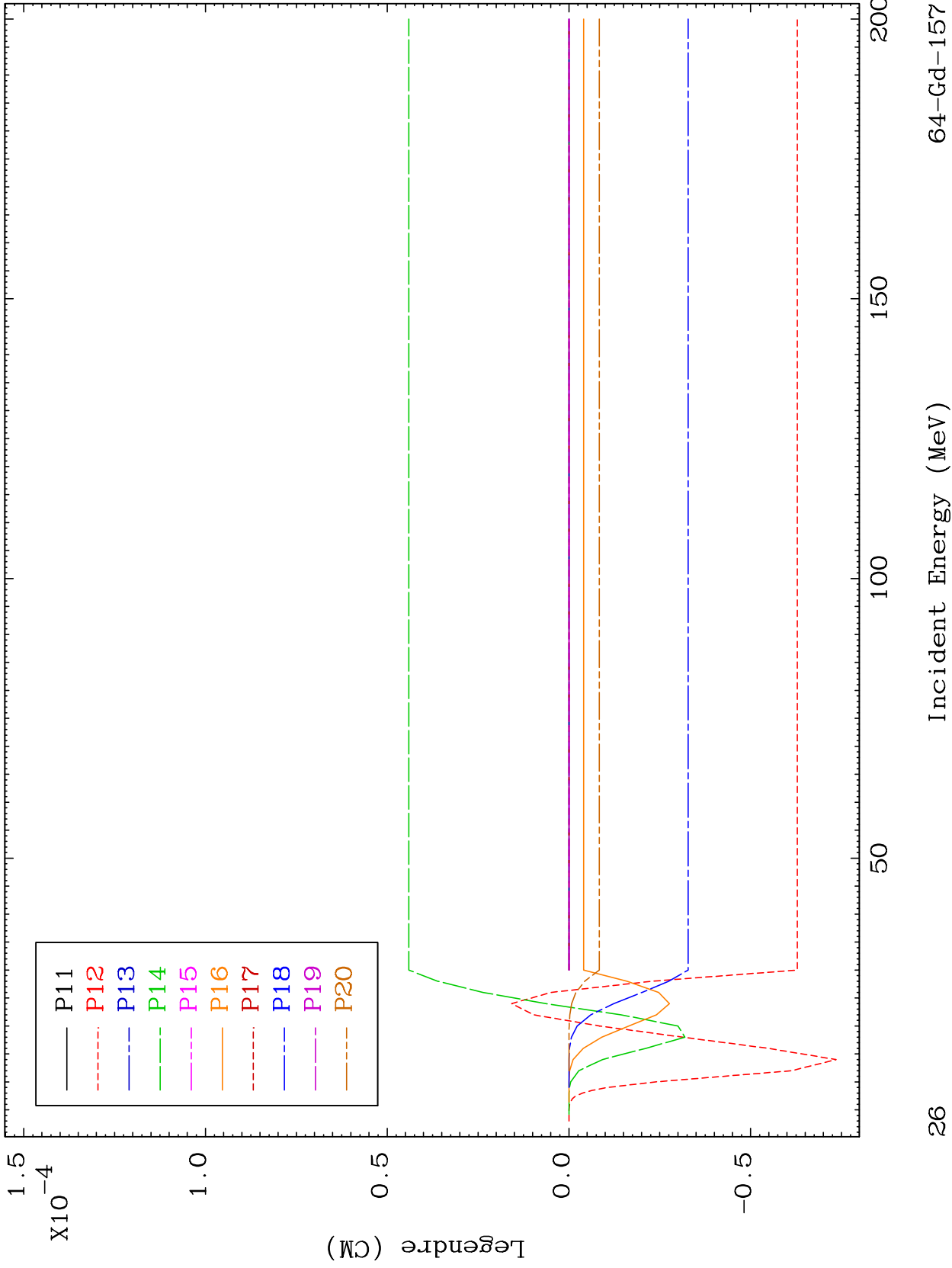
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24

Incident Energy (MeV)

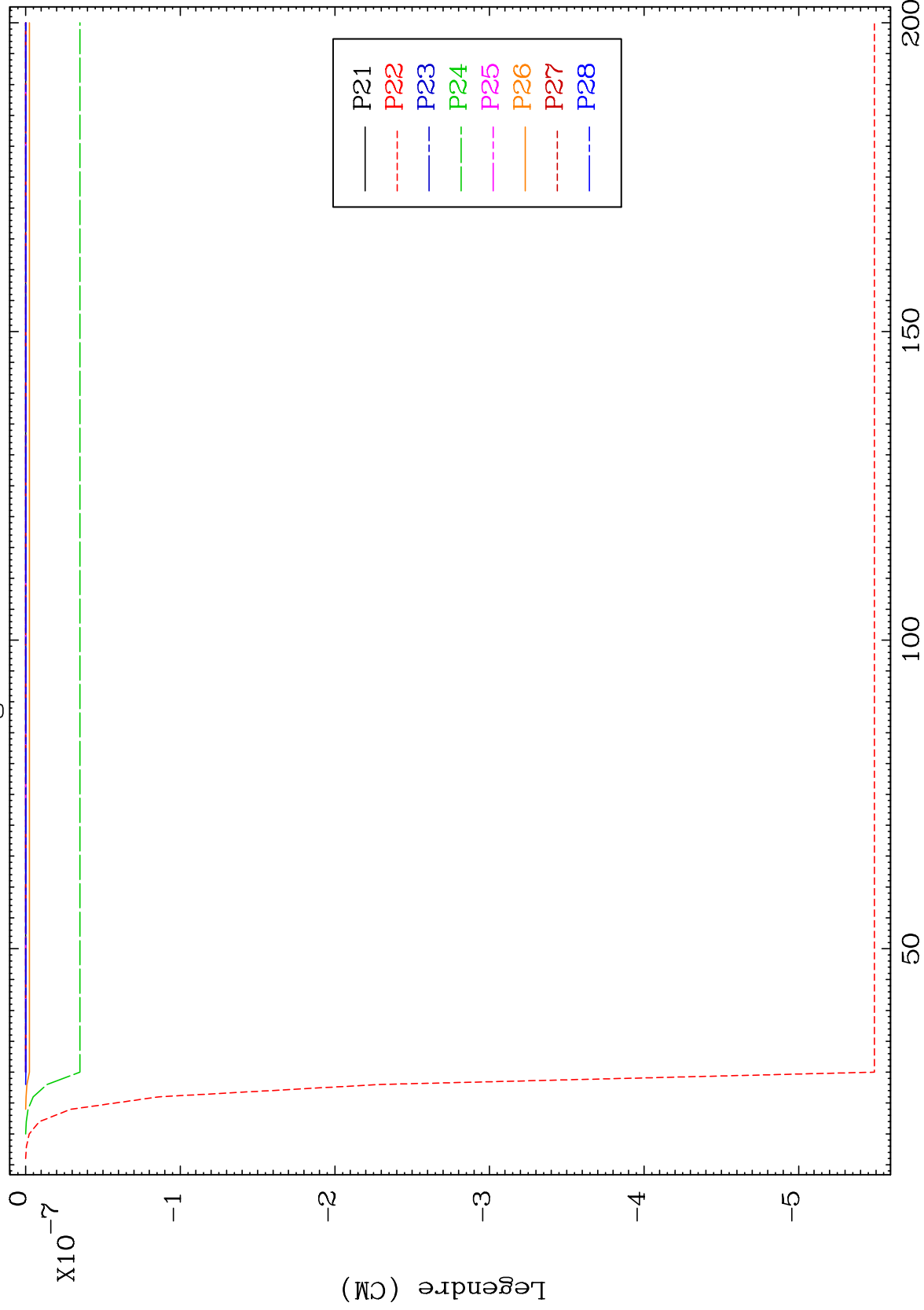
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MAT 6440

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

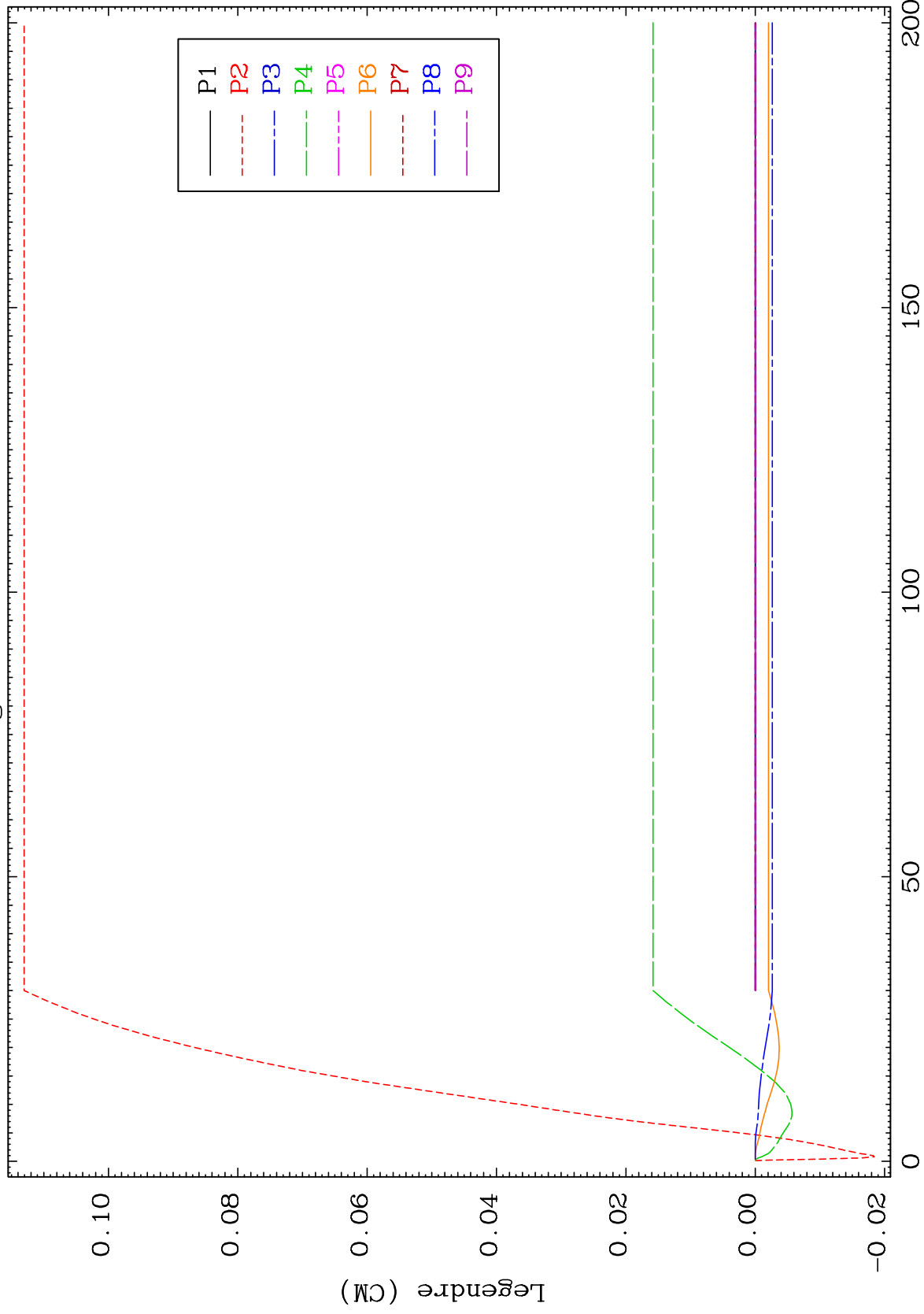
64-Gd-157



MAT 6440

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

64-Gd-157



64-Gd-157

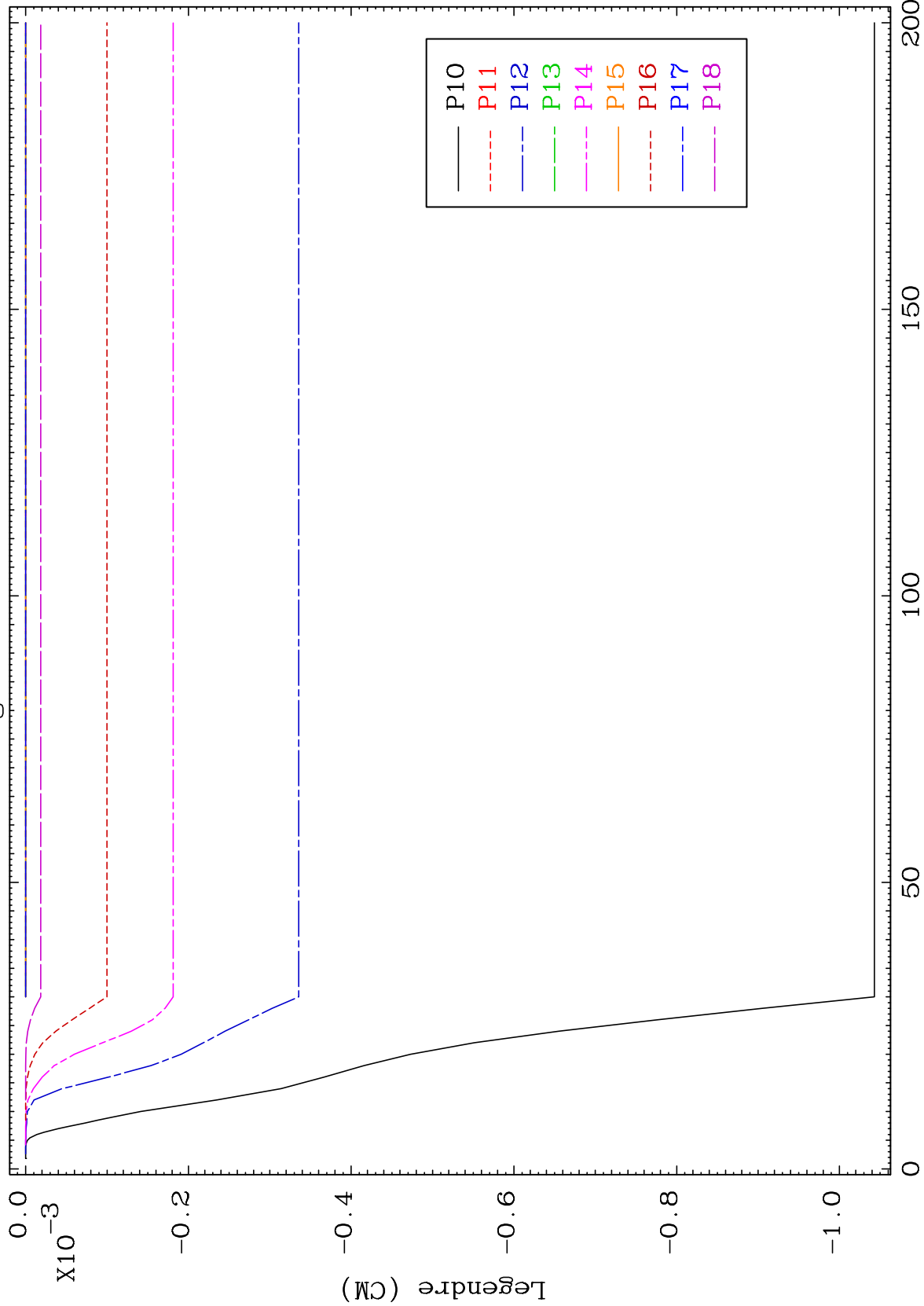
Incident Energy (MeV)

28

MAT 6440

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

64-Gd-157



29

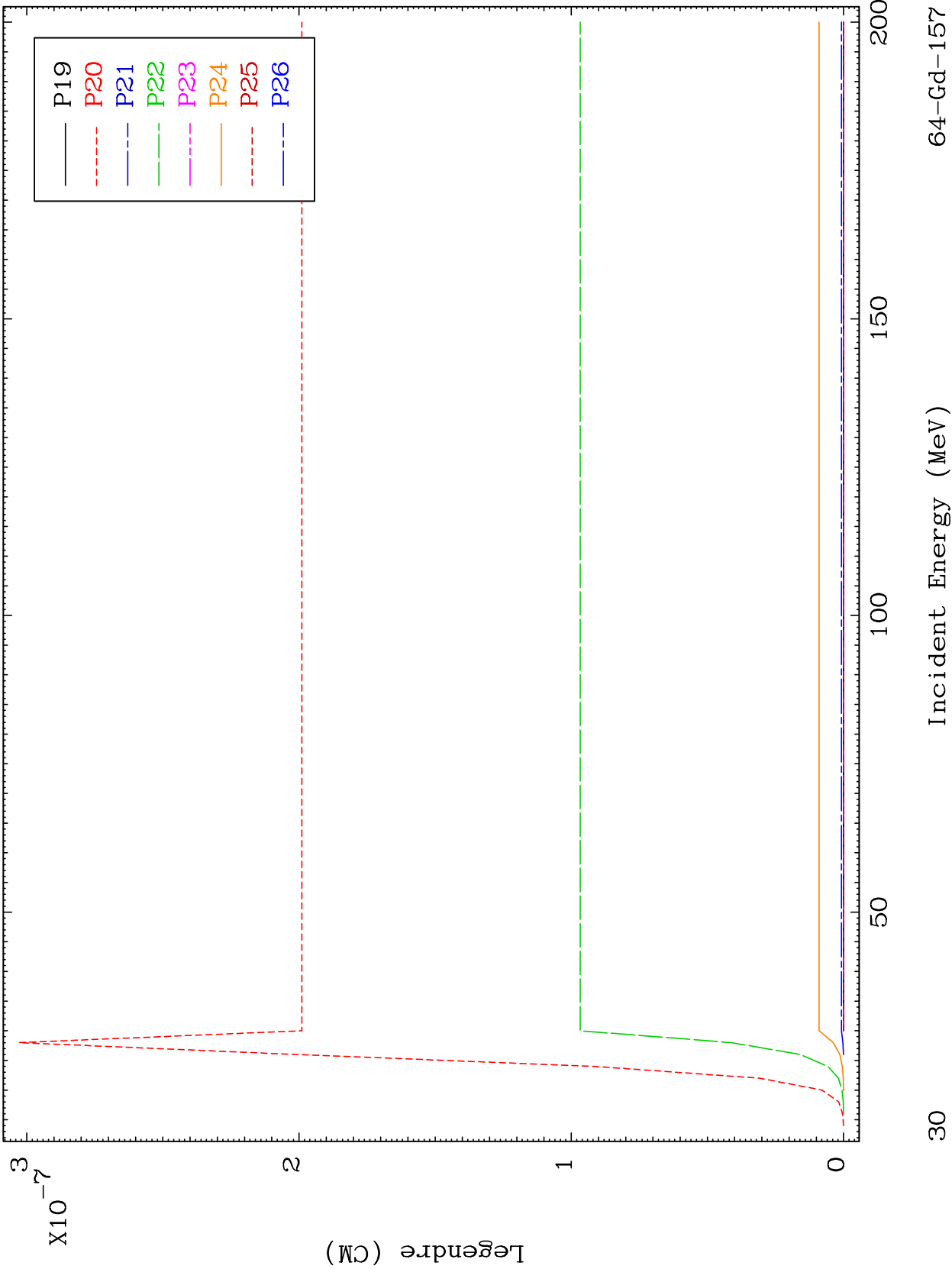
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

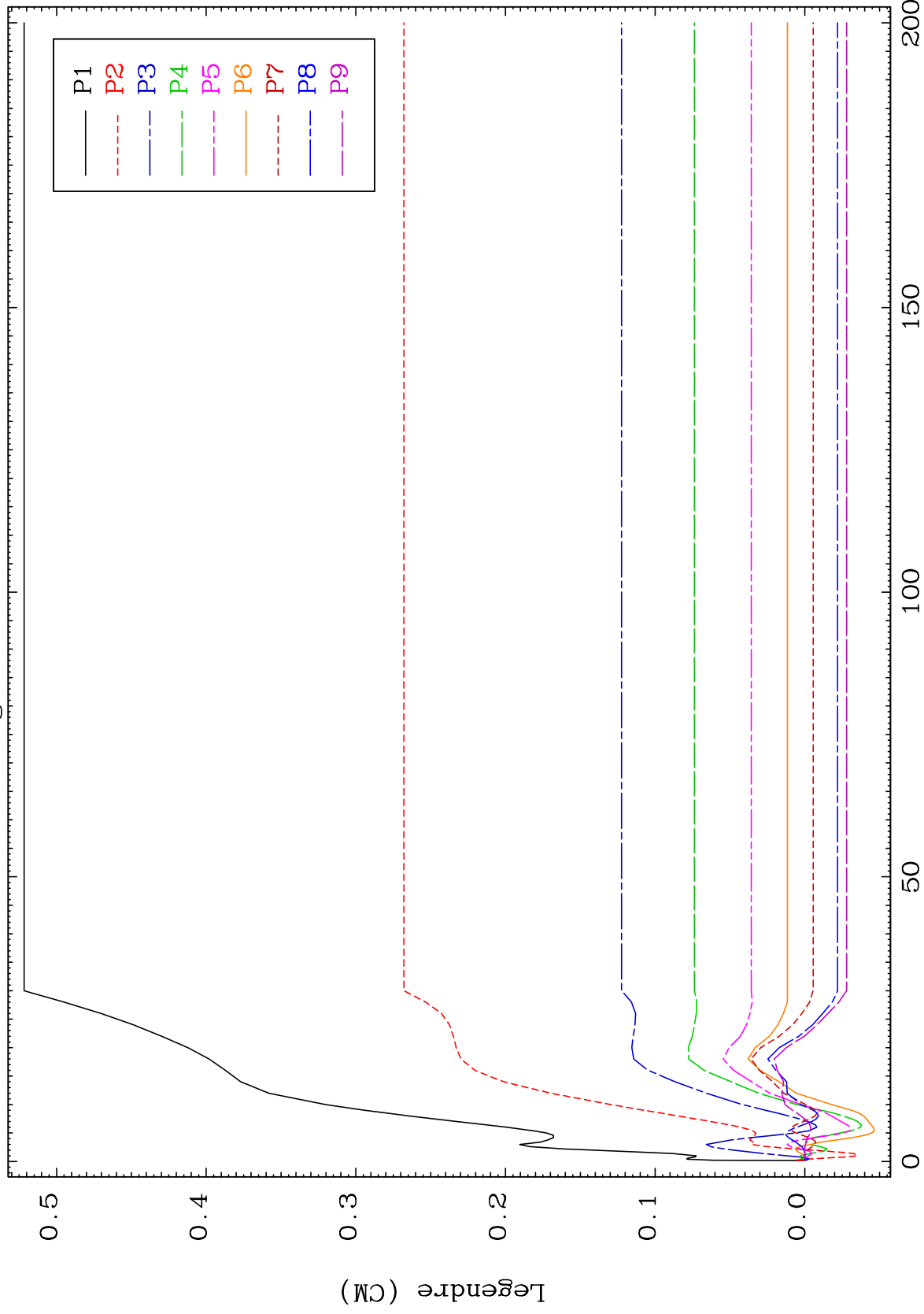
Incident Energy (MeV)

30

MAT 6440

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

64-Gd-157



31

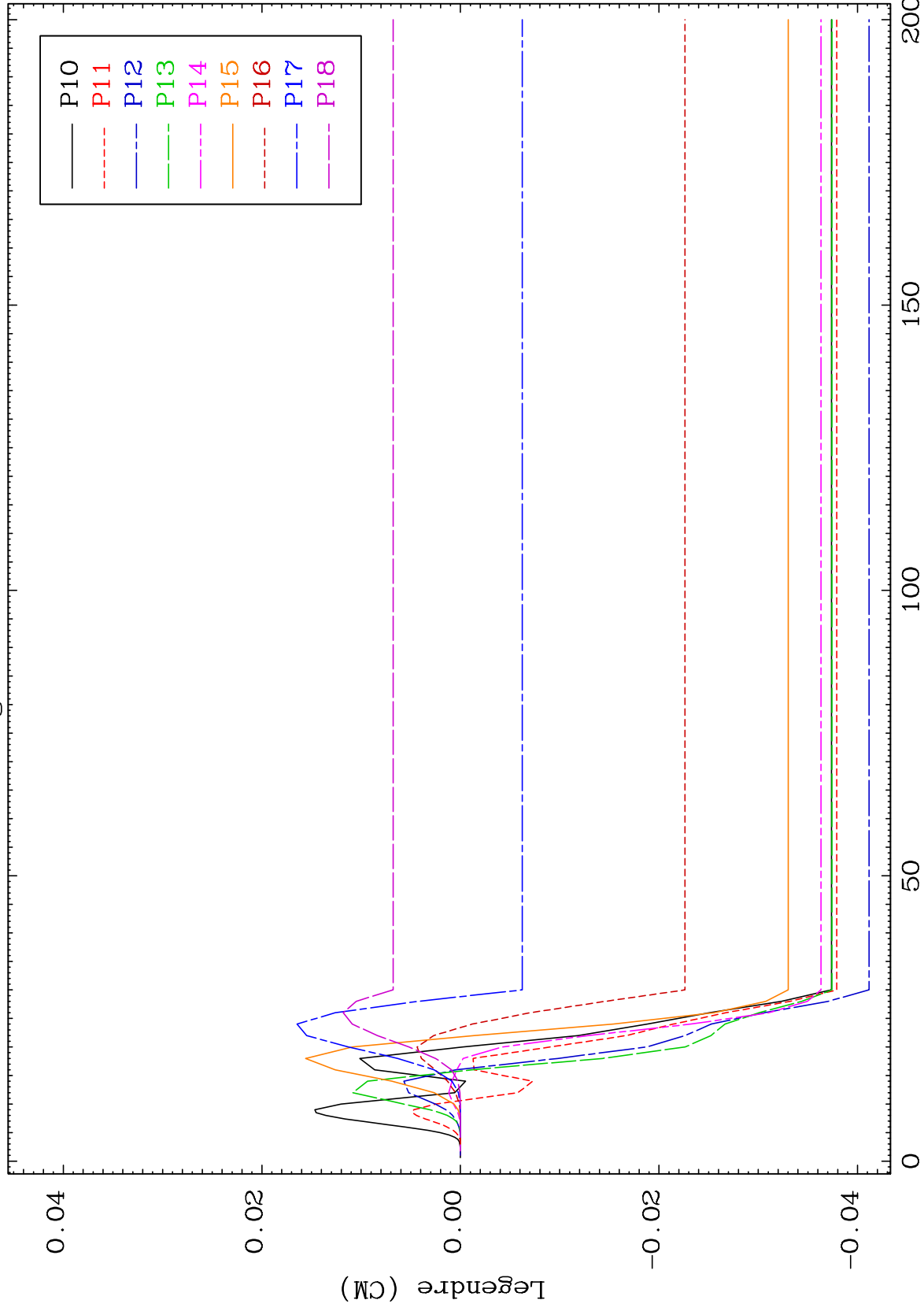
Incident Energy (MeV)

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MAT 6440

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

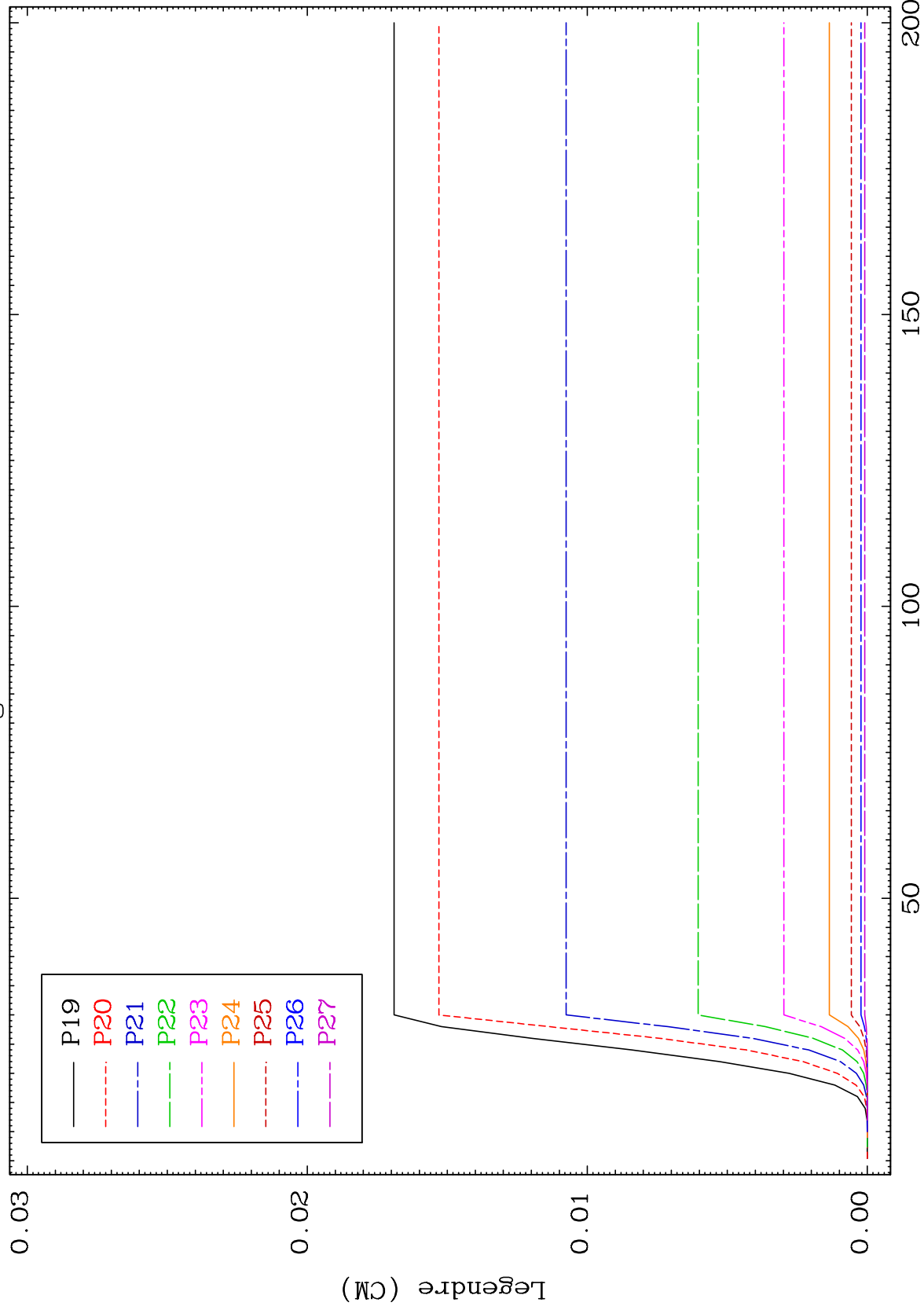
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32

Incident Energy (MeV)

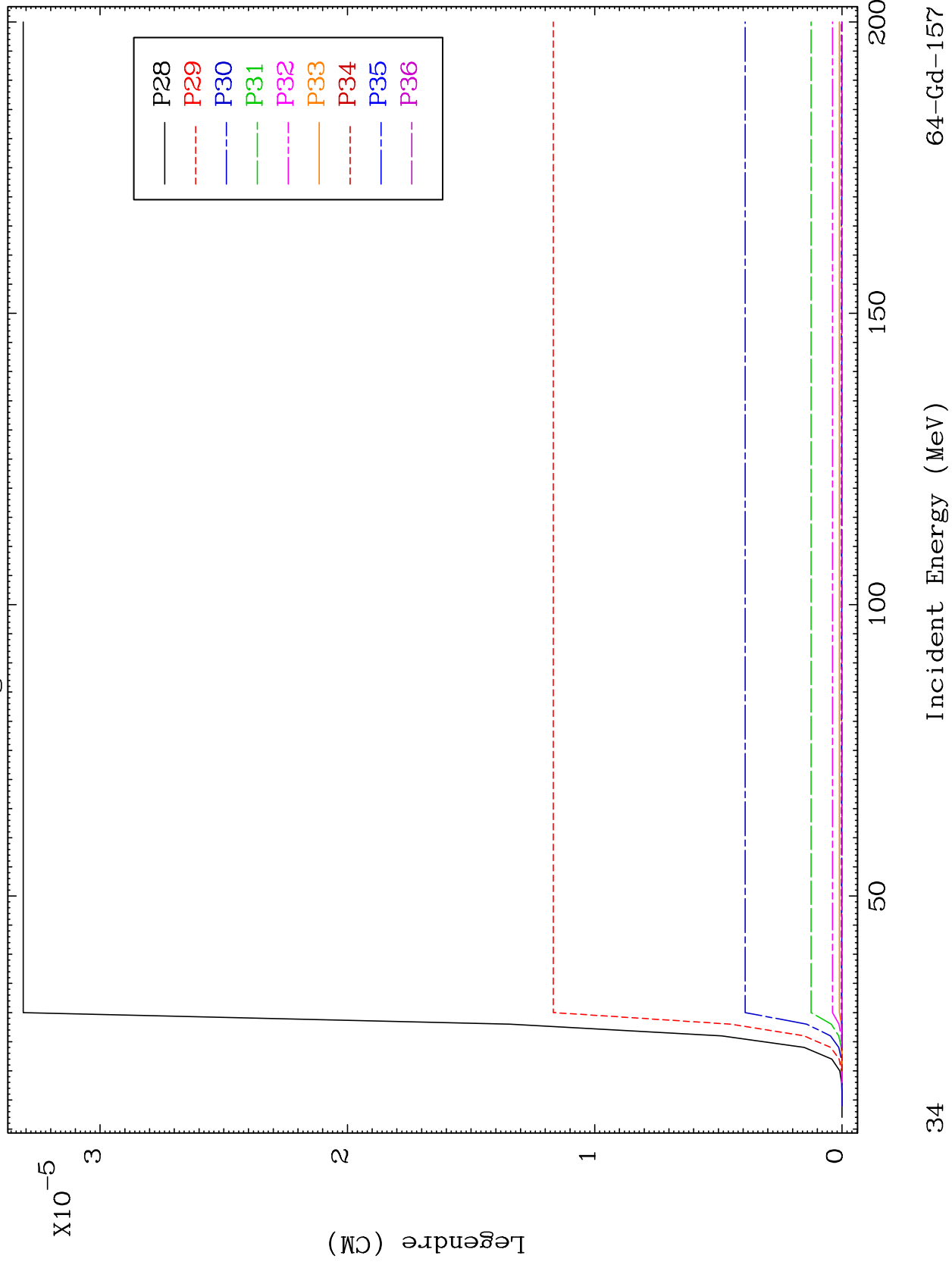
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MAT 6440

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

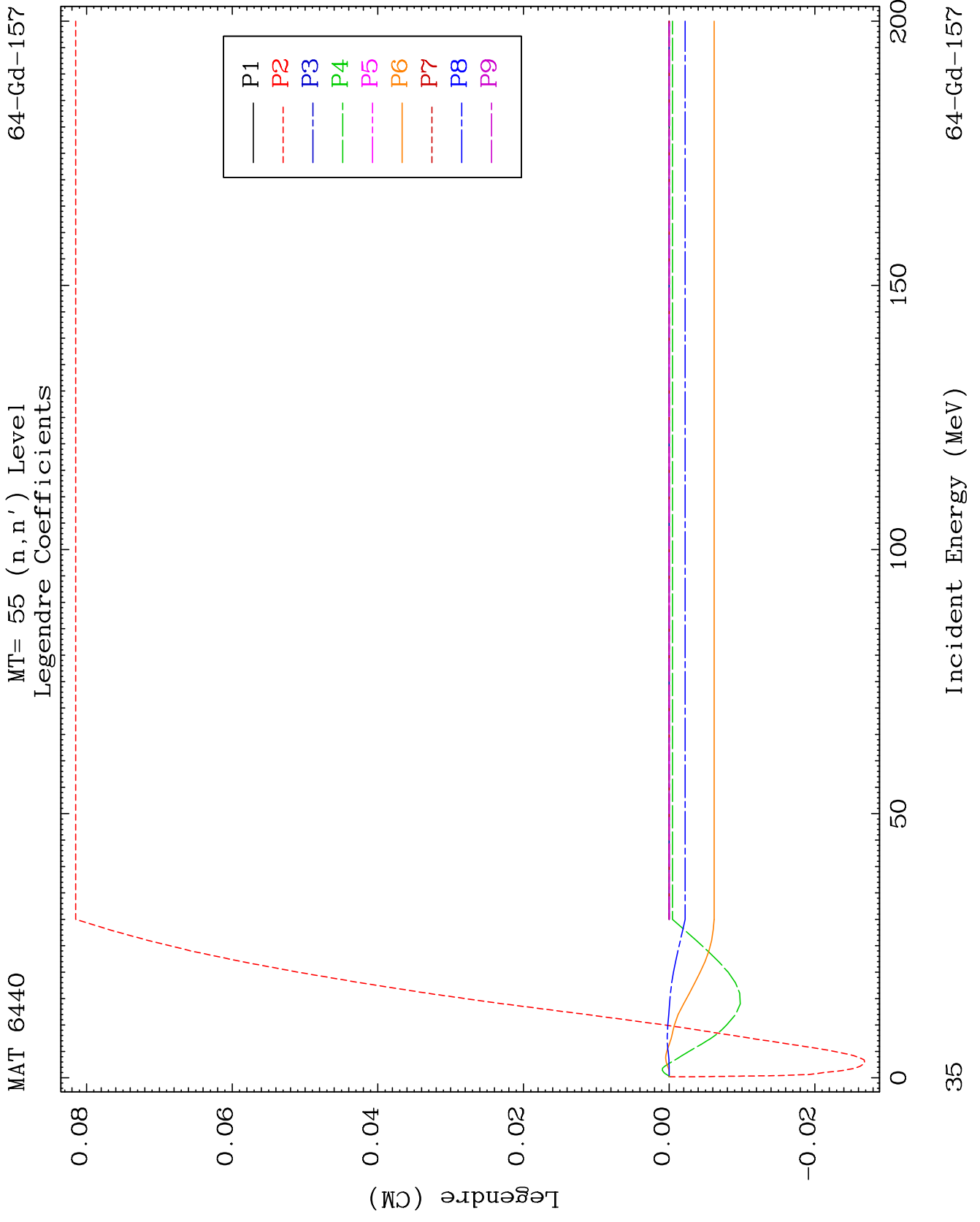
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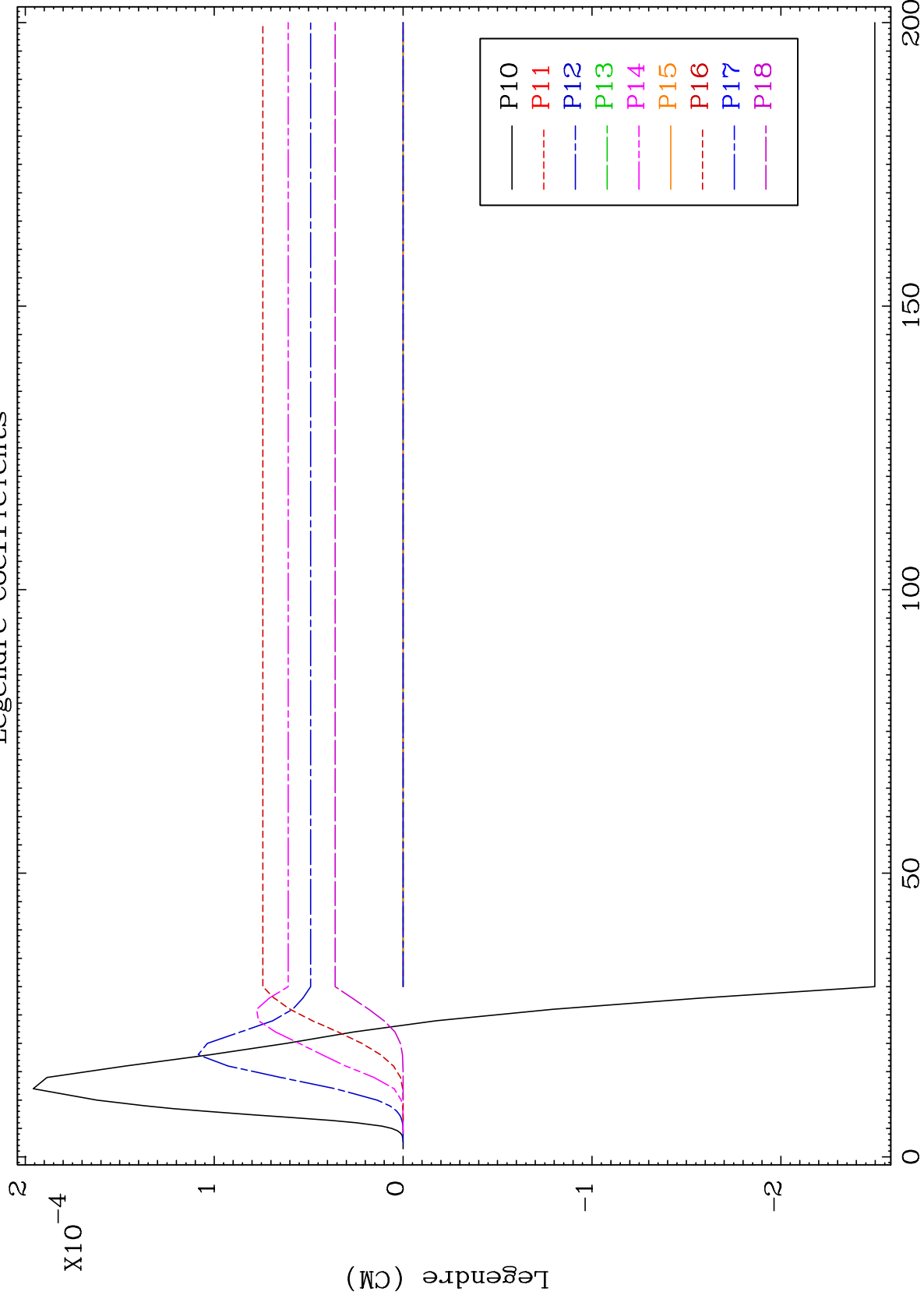


34

Incident Energy (MeV)

64-Gd-157

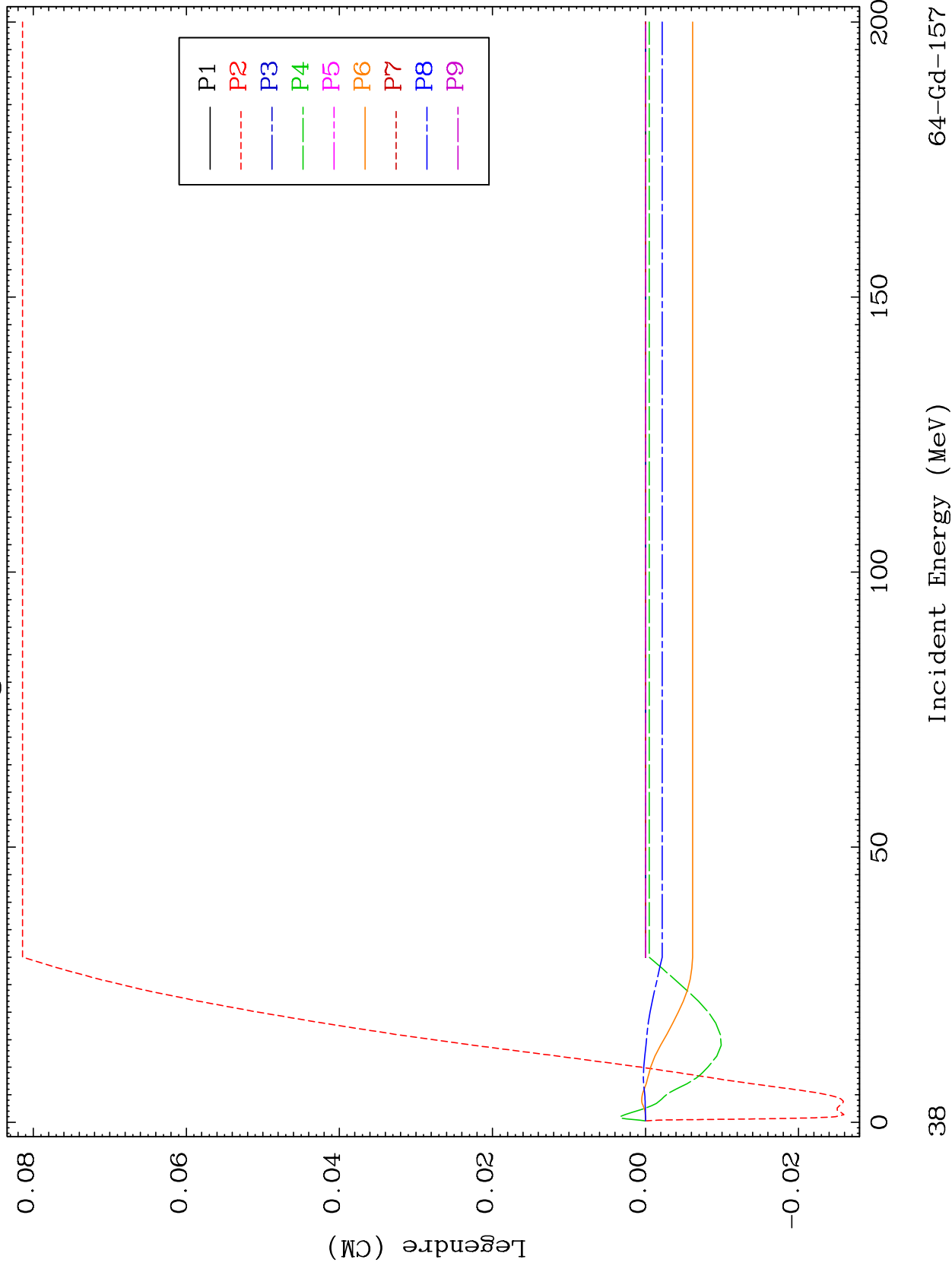




MAT 6440

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

64-Gd-157



38

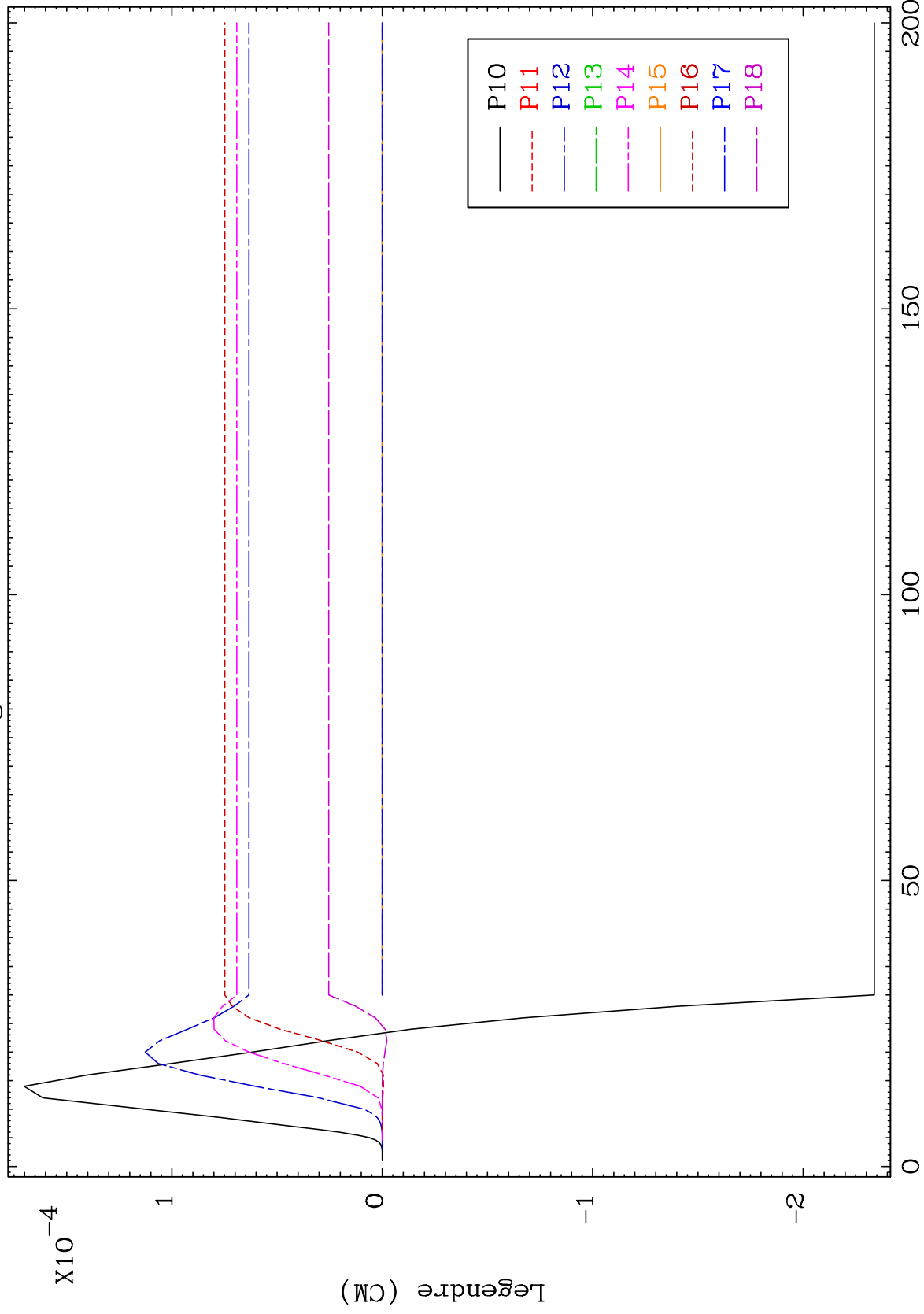
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

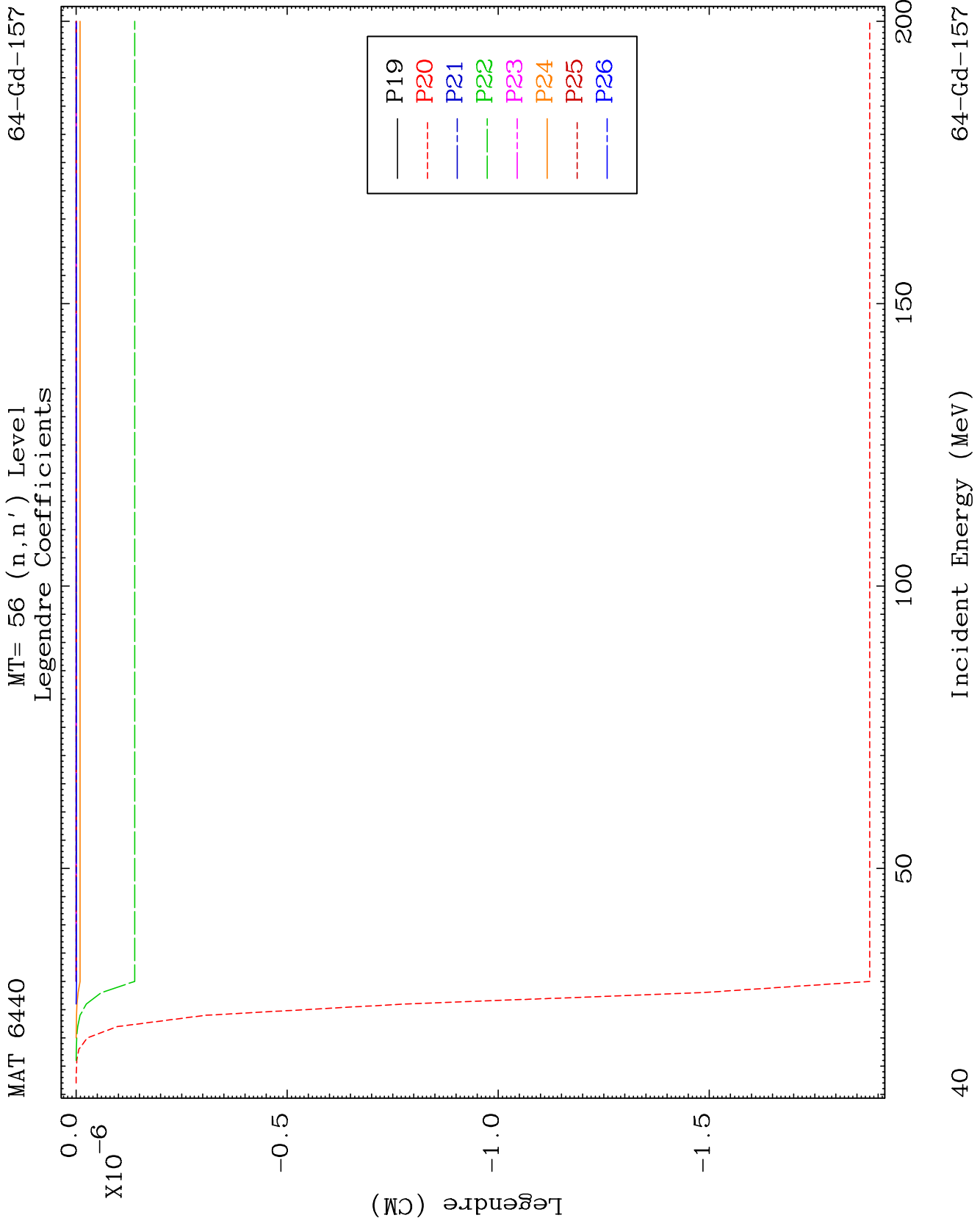
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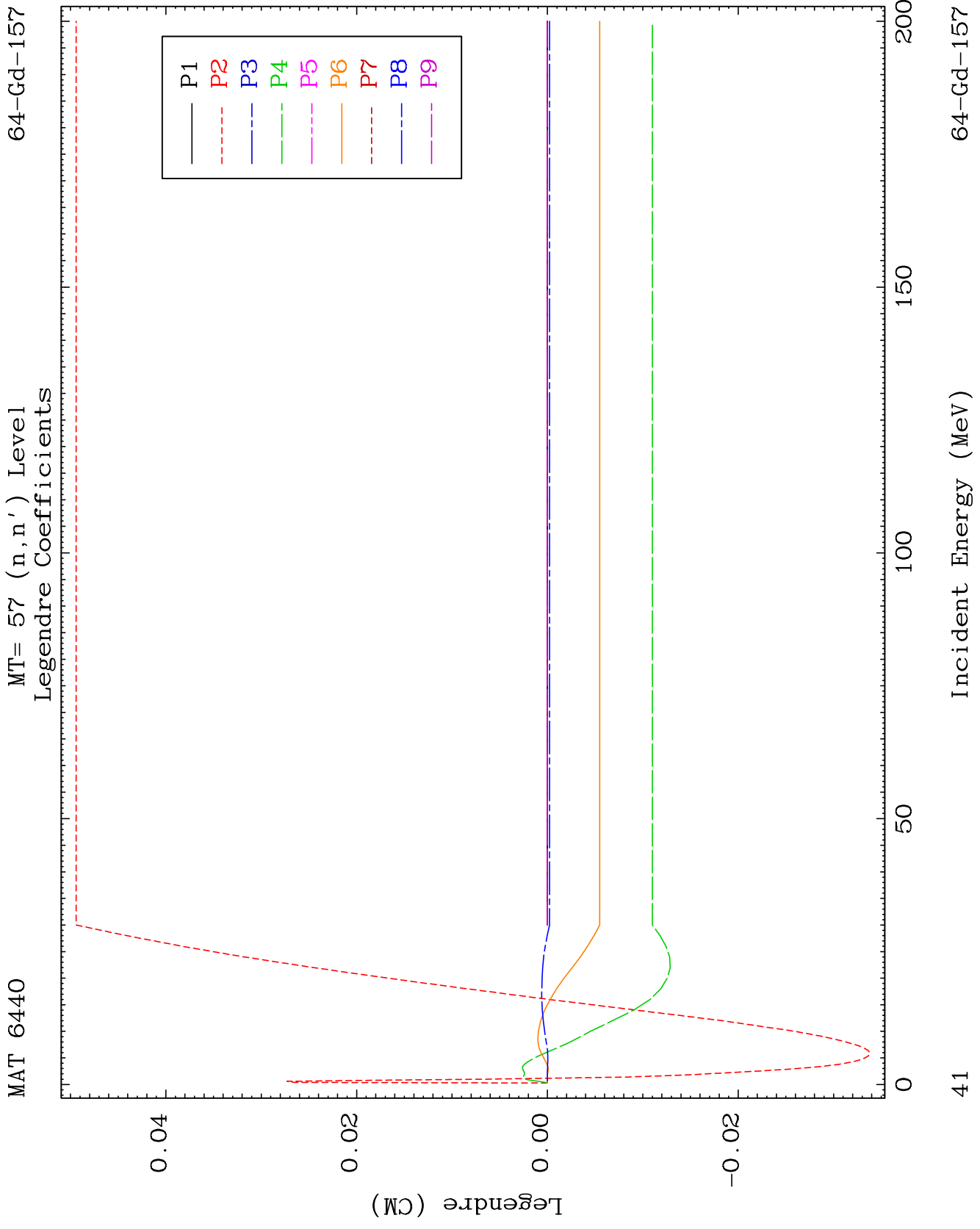


39

Incident Energy (MeV)

64-Gd-157

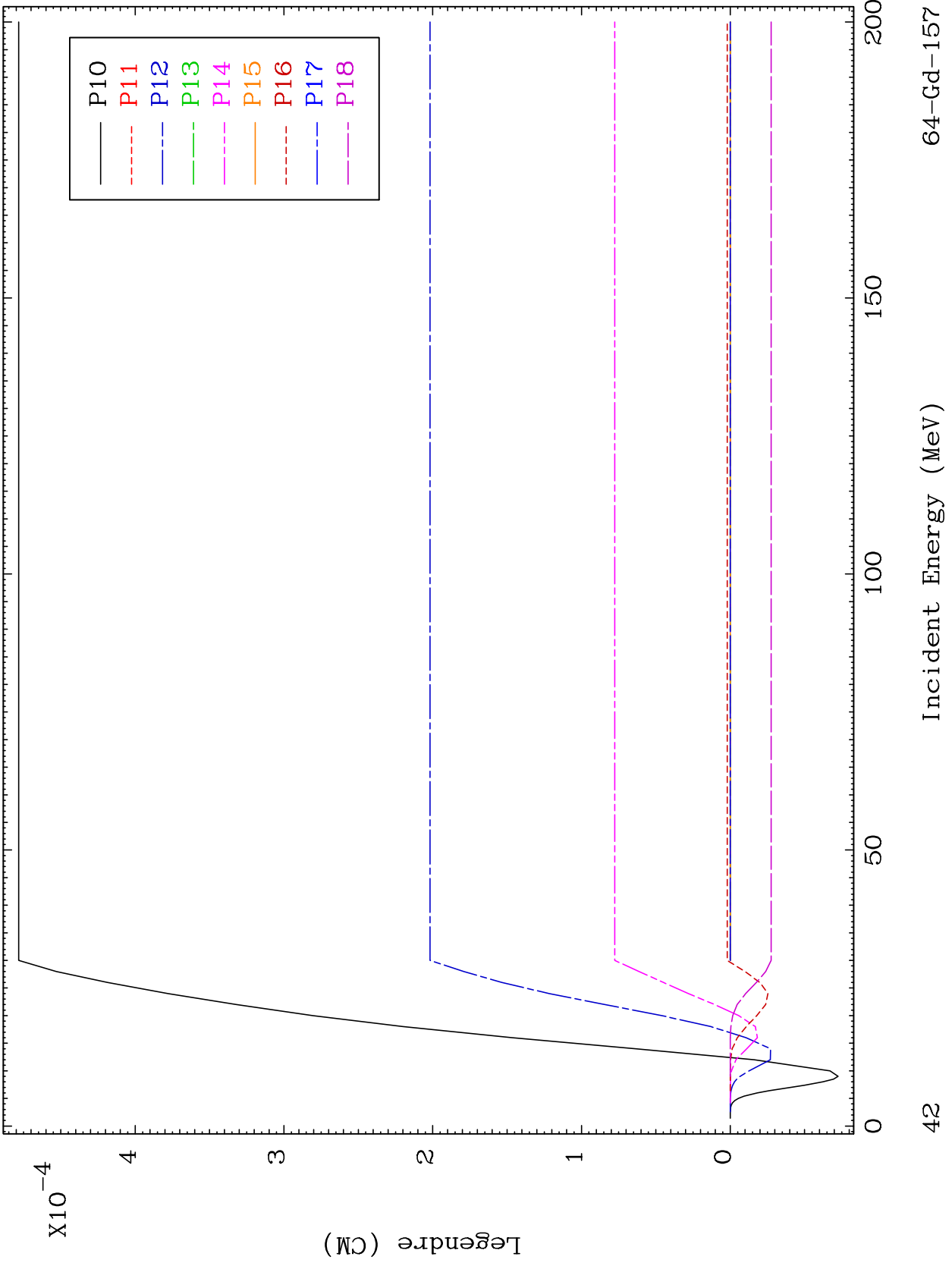




MAT 6440

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

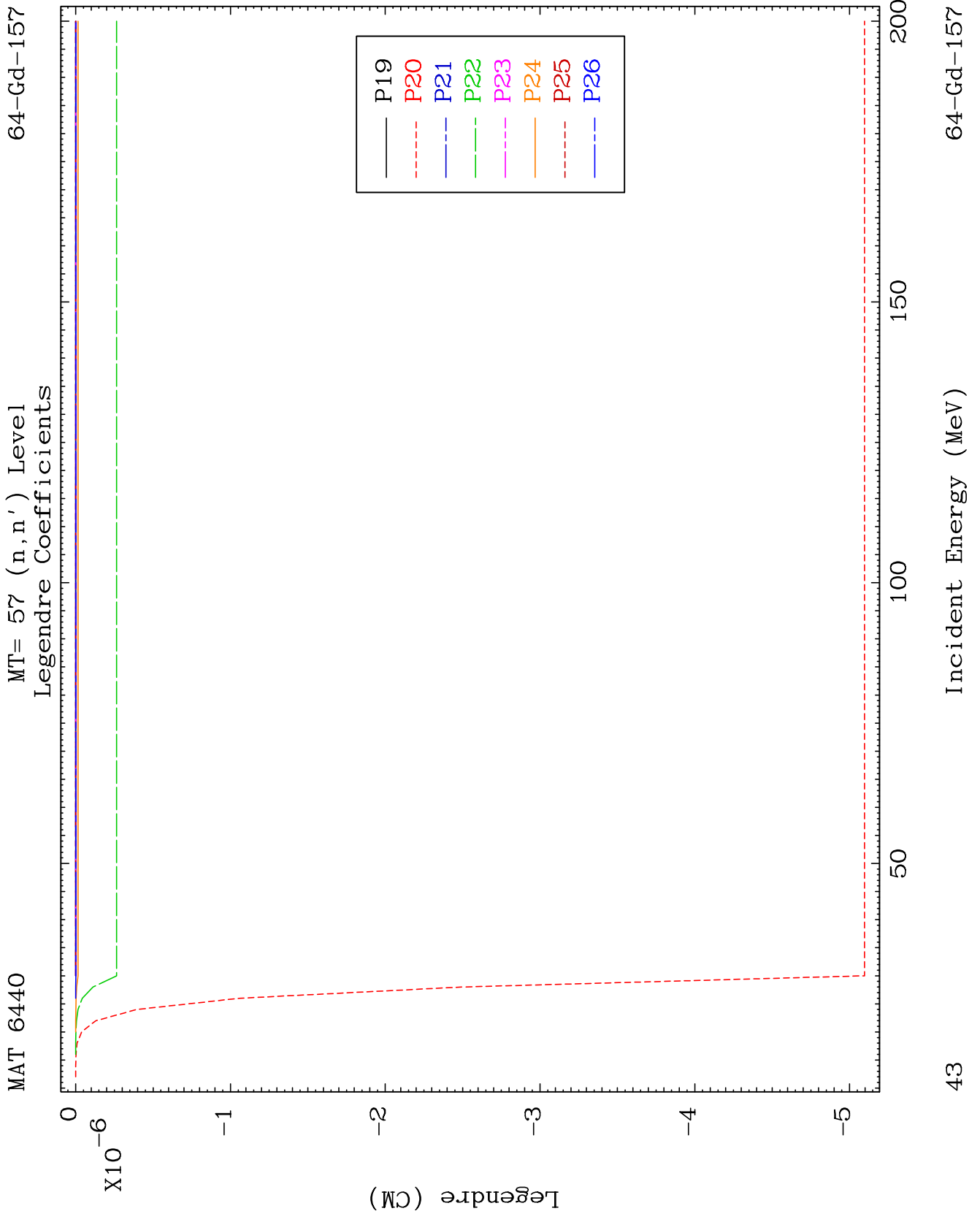
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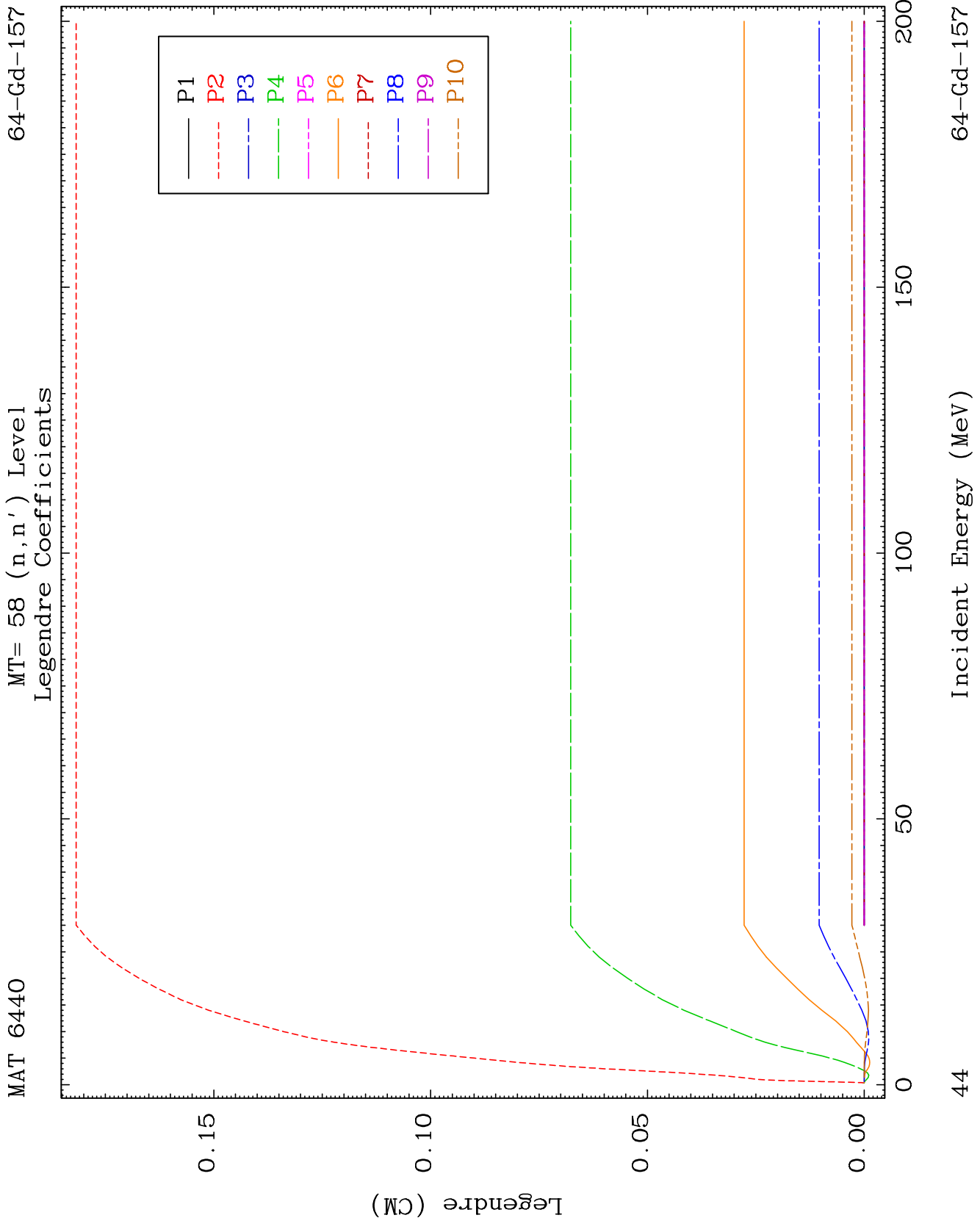


64-Gd-157

Incident Energy (MeV)

42

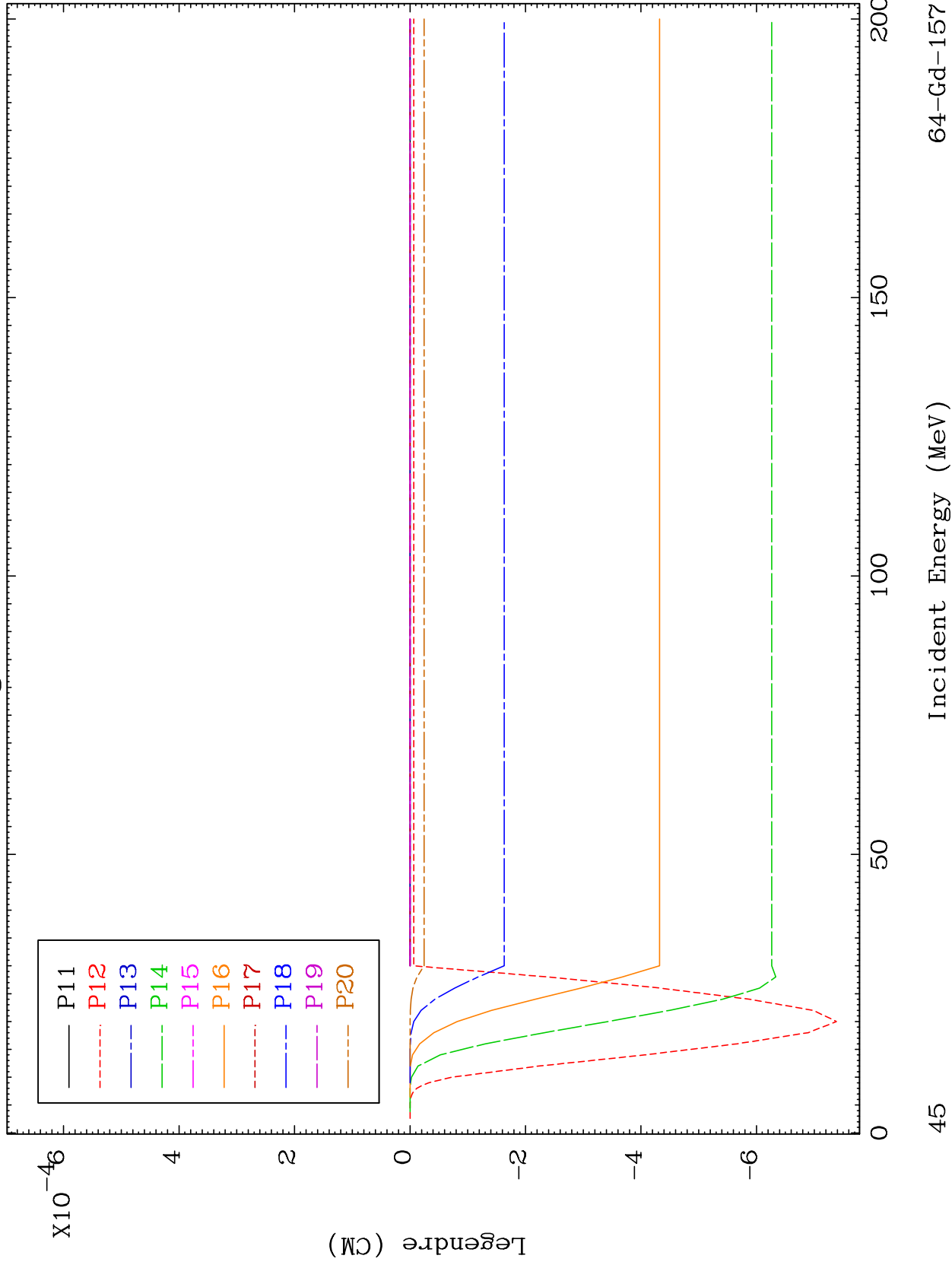


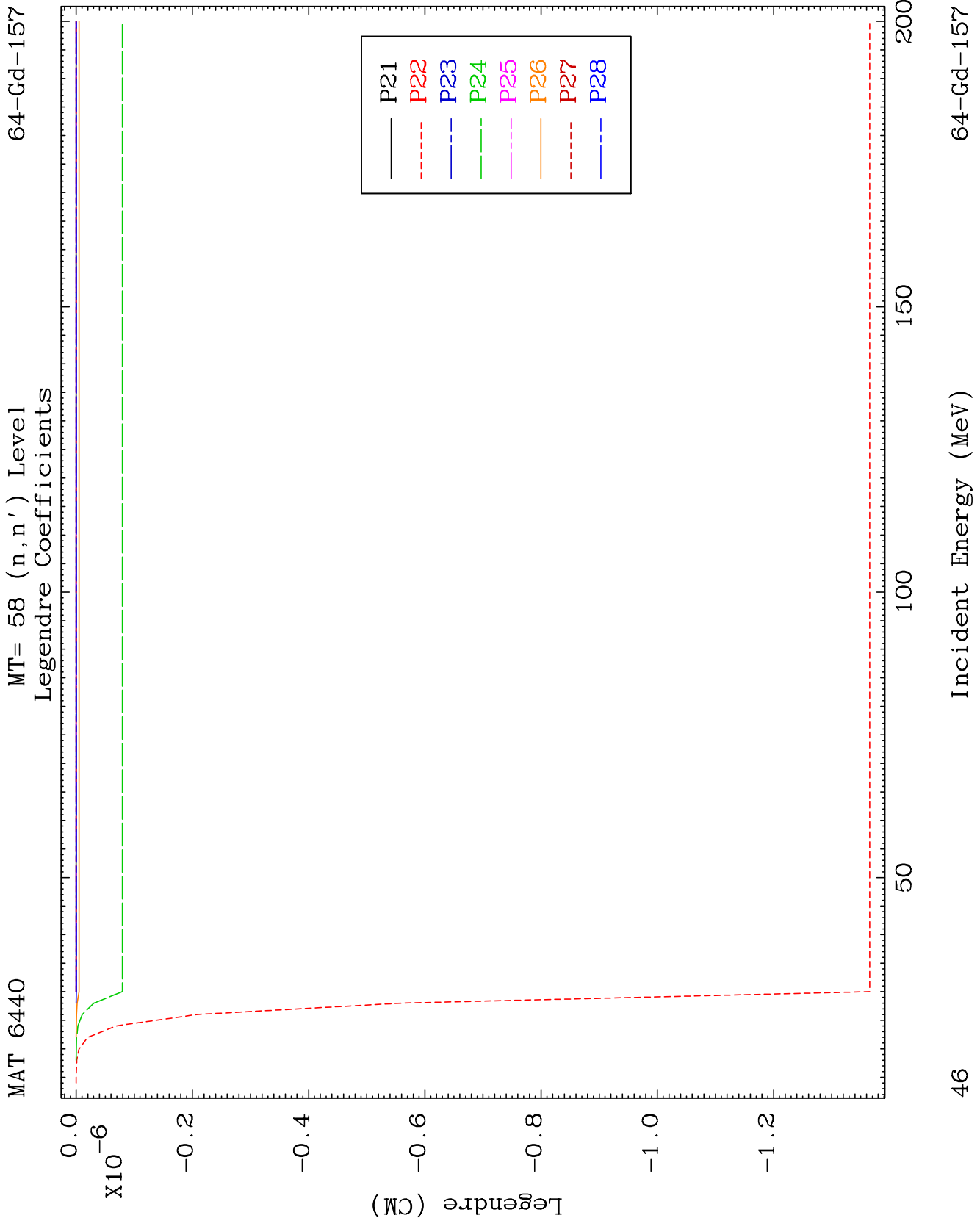


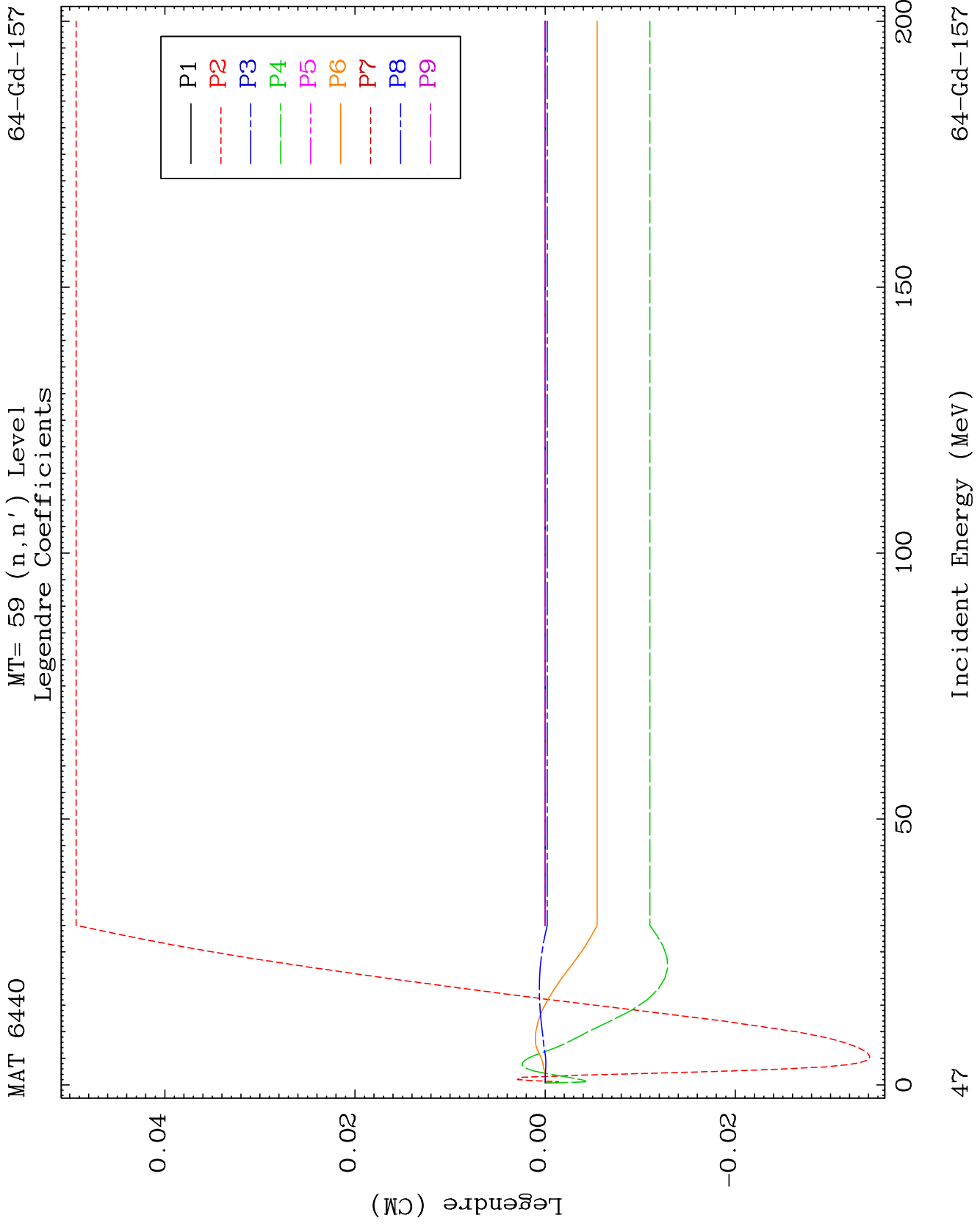
MAT 6440

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

64-Gd-157



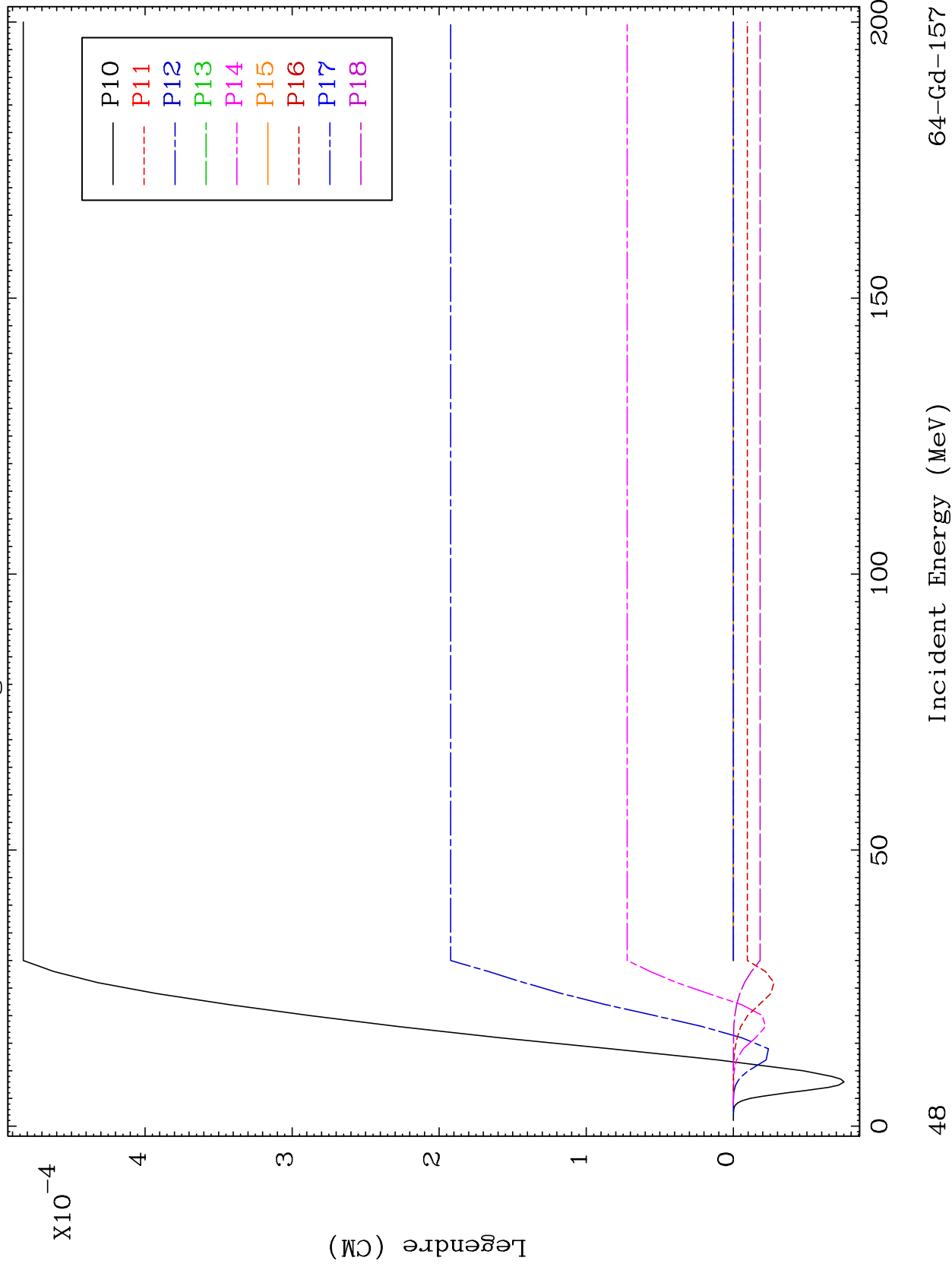




MAT 6440

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

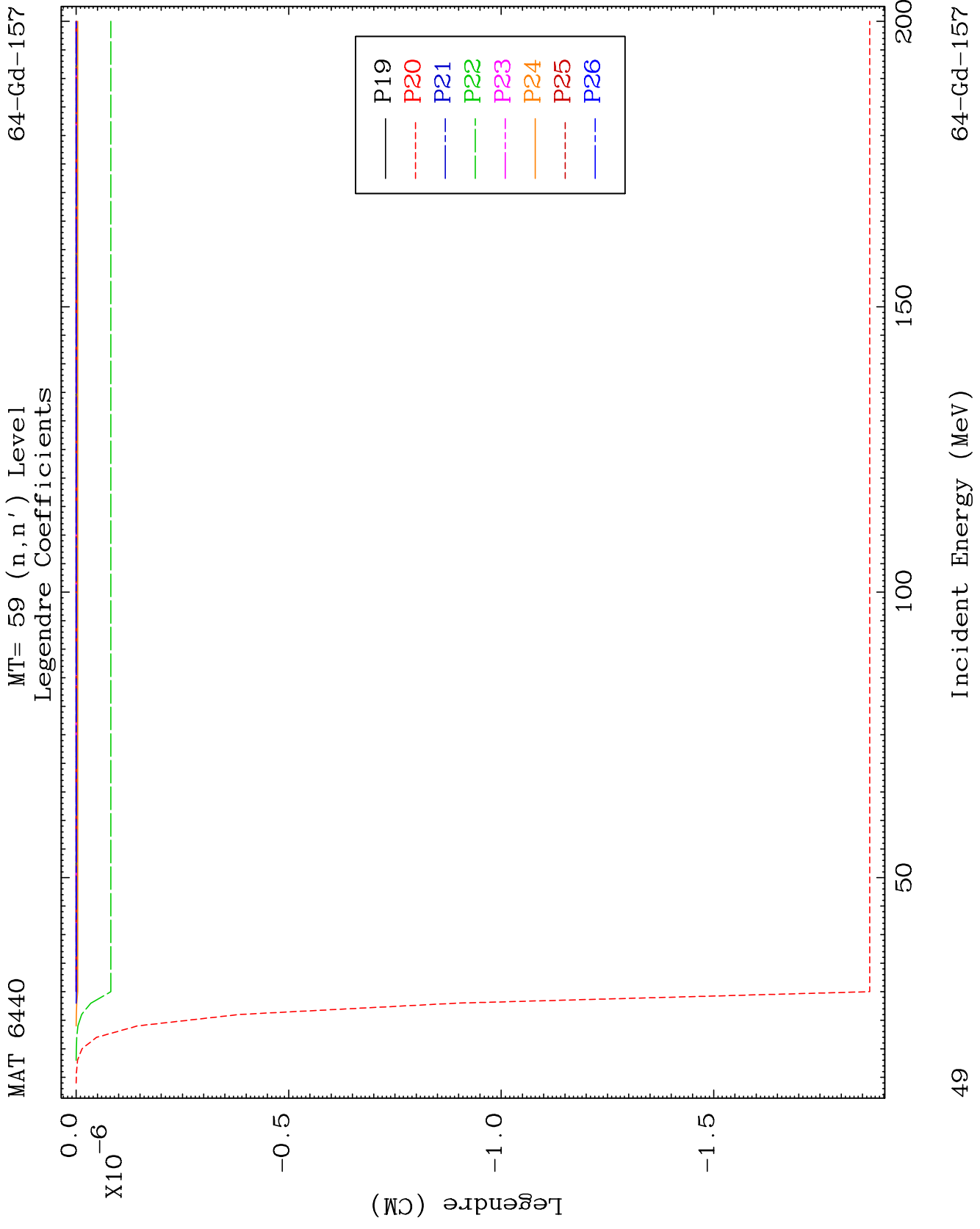
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64-Gd-157

Incident Energy (MeV)

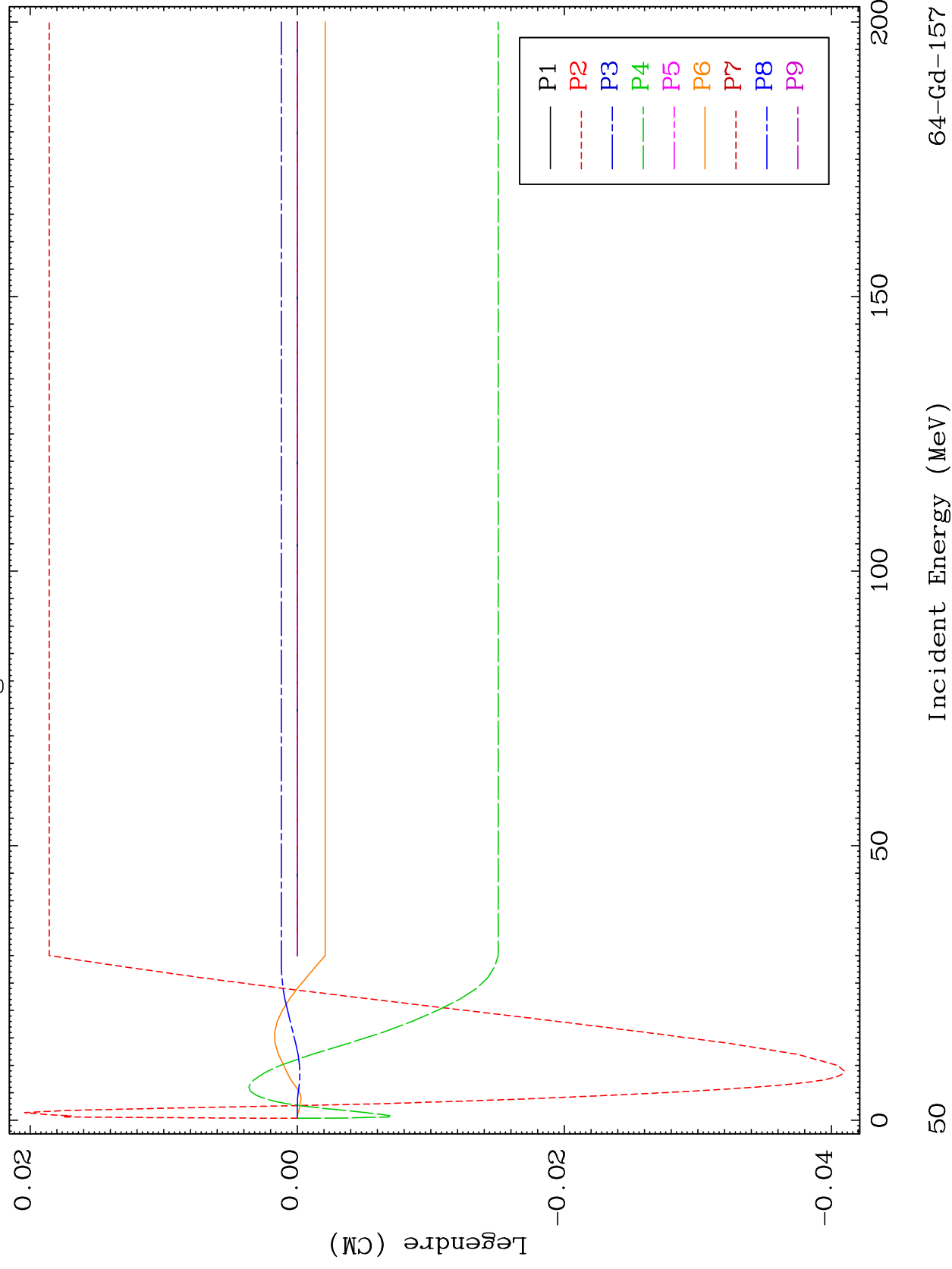
48



MAT 6440

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

64-Gd-157



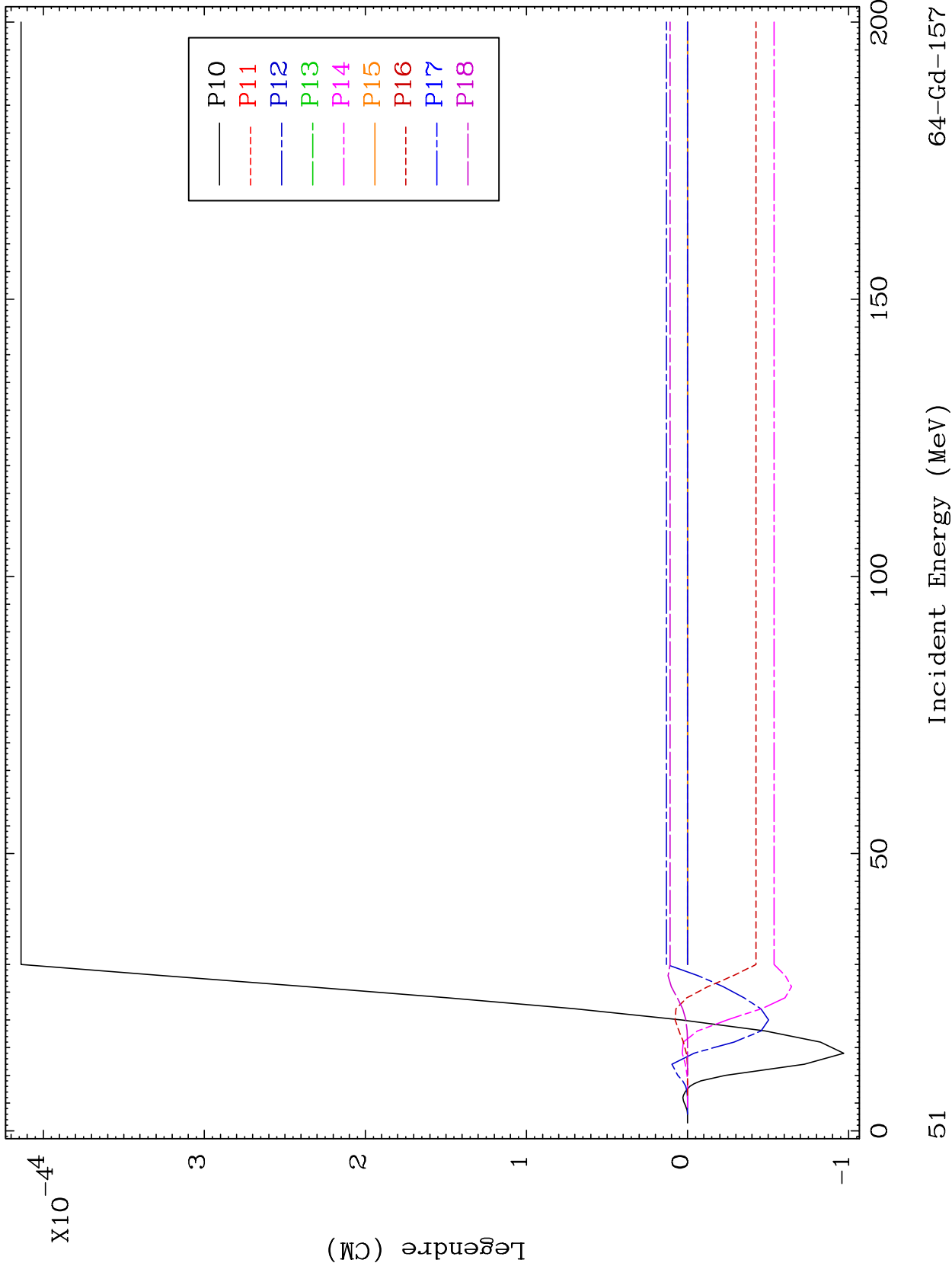
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Incident Energy (MeV)

MAT 6440

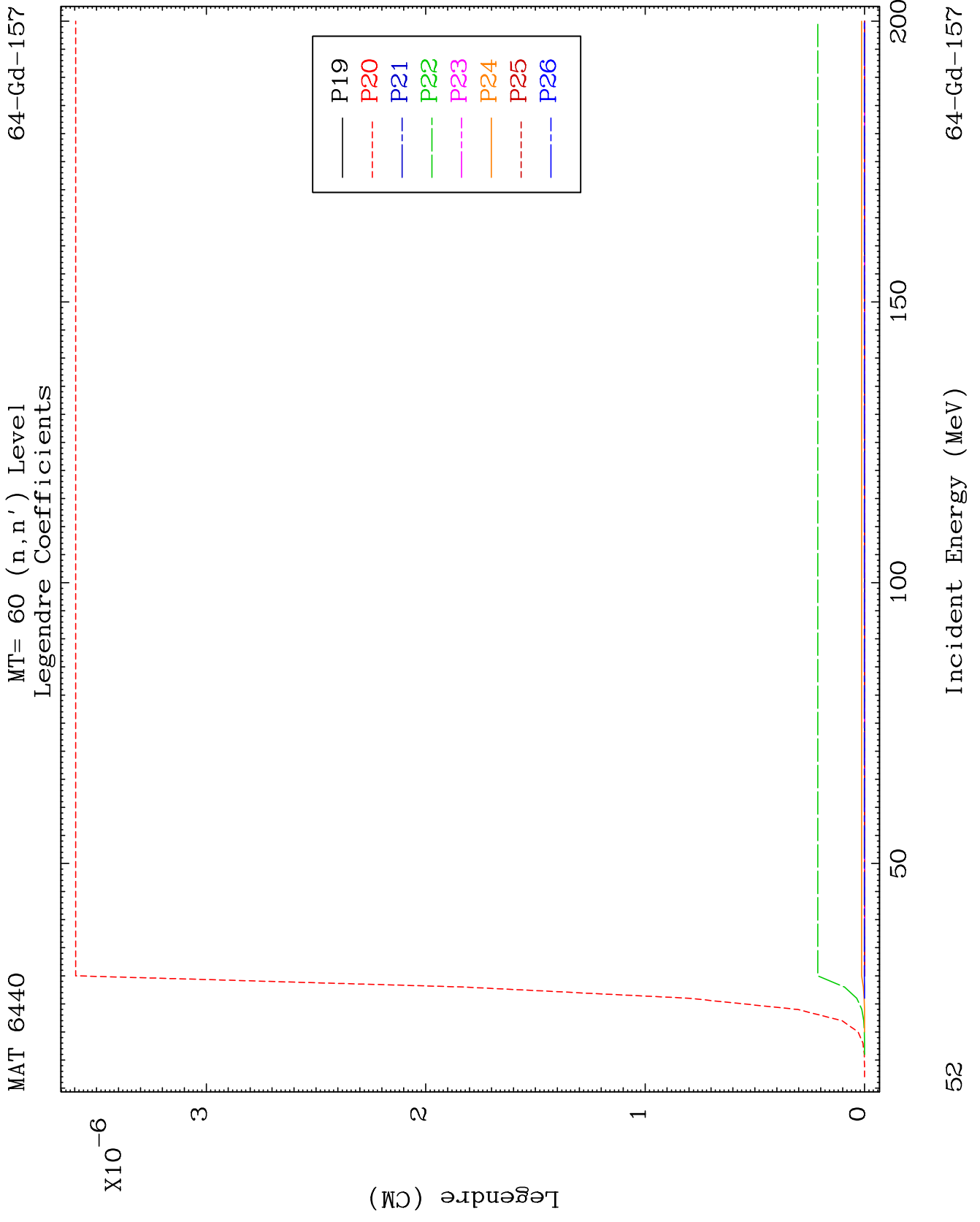
MT= 60 (n,n') Level
Legendre Coefficients

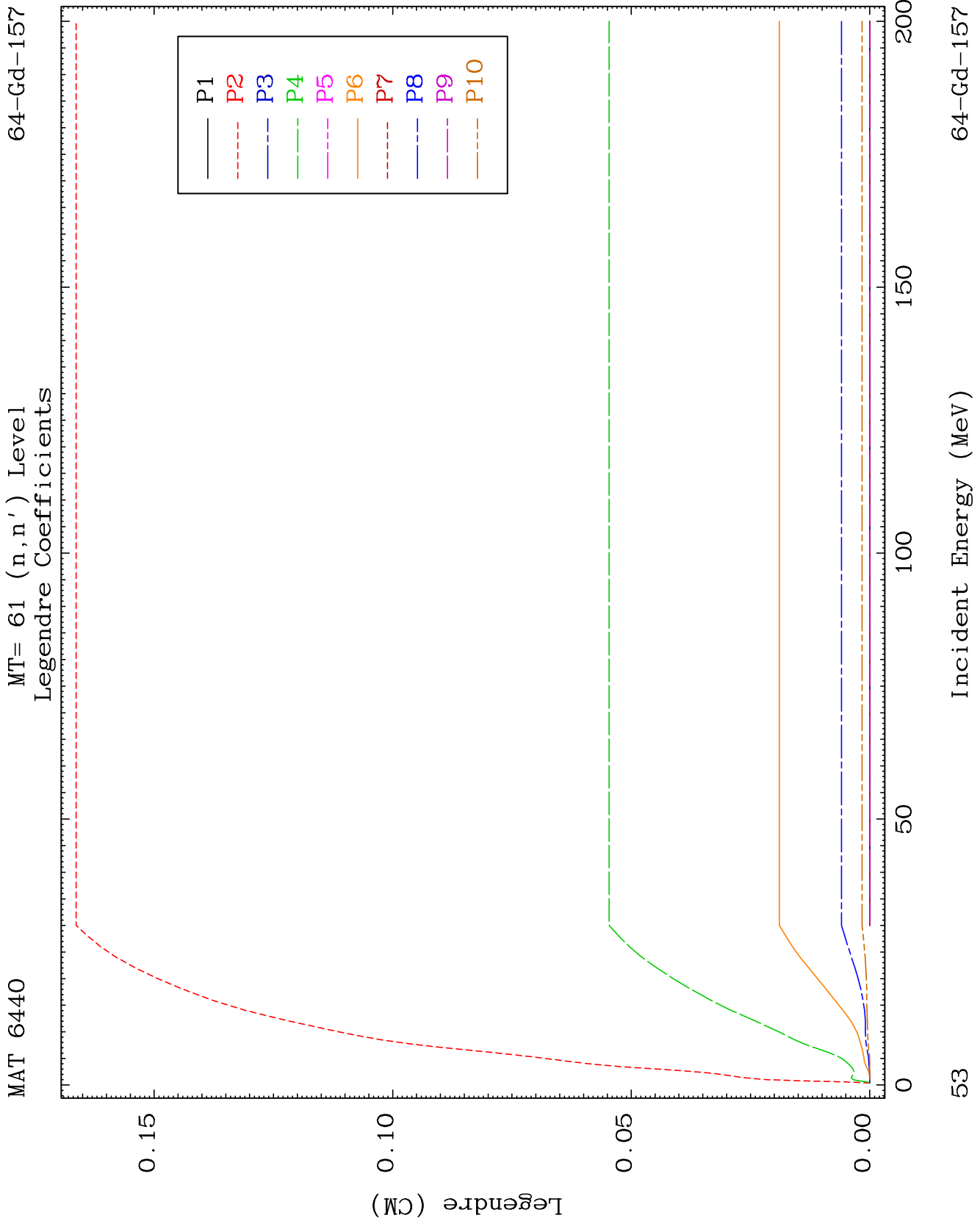
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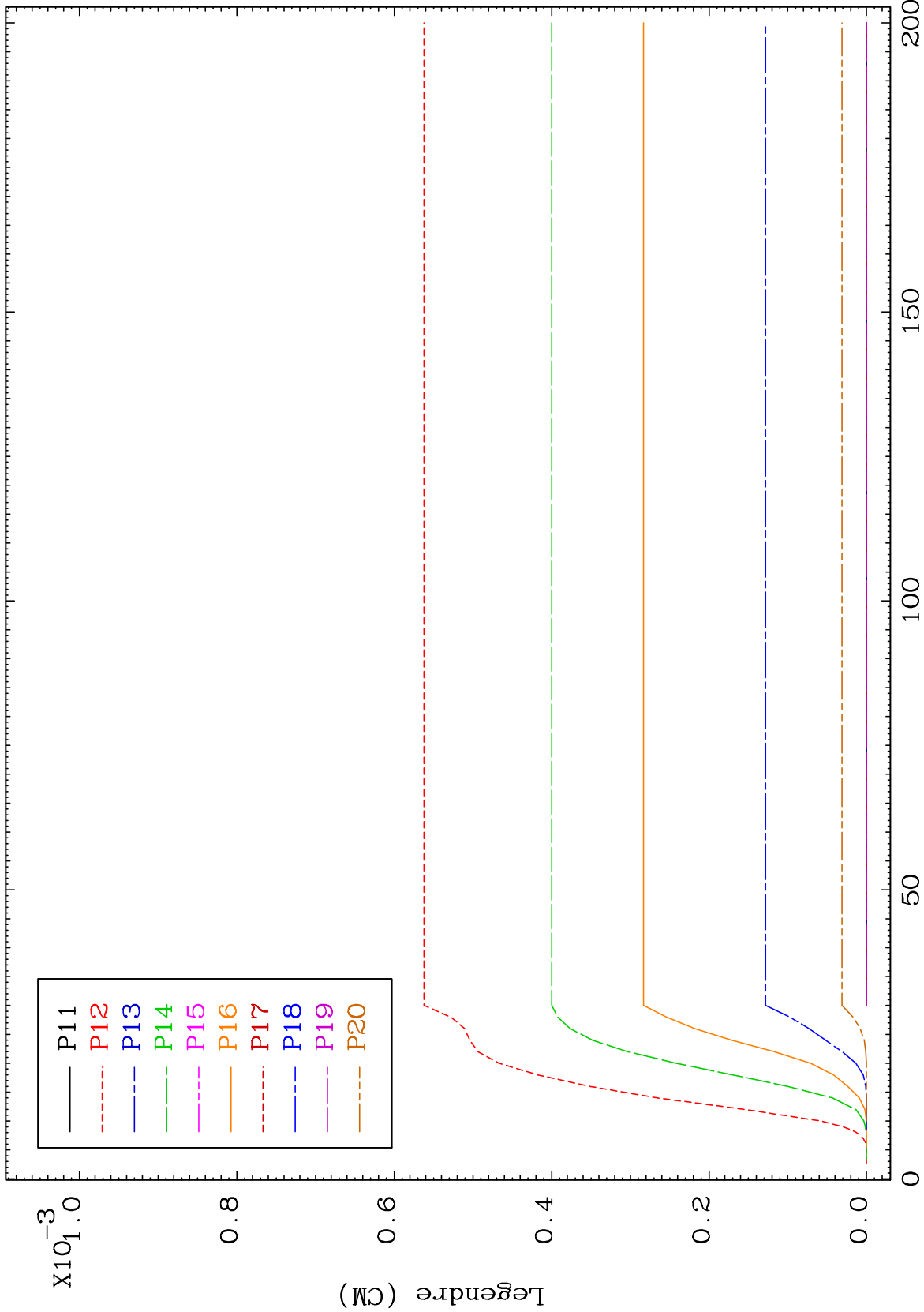


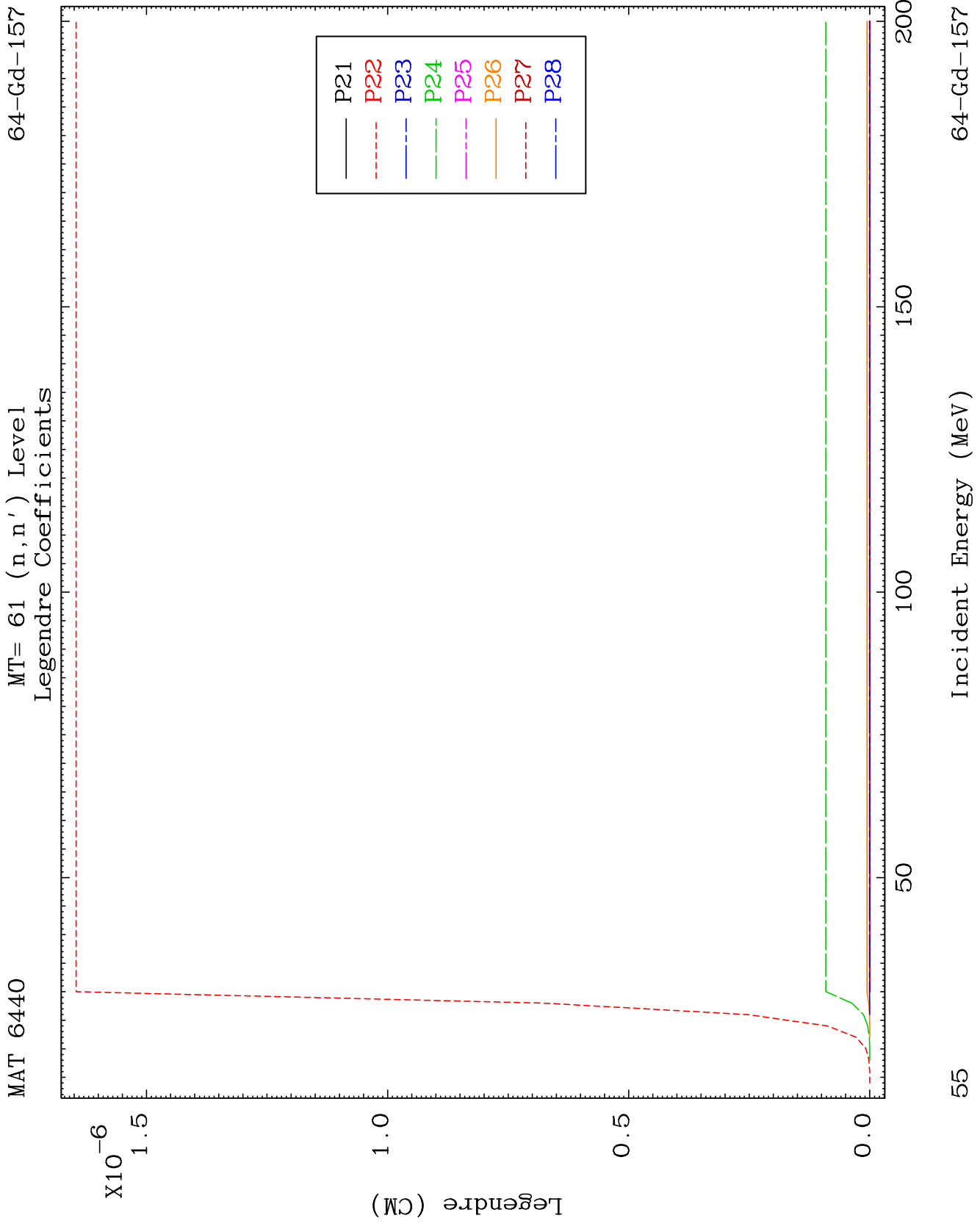
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64-Gd-157





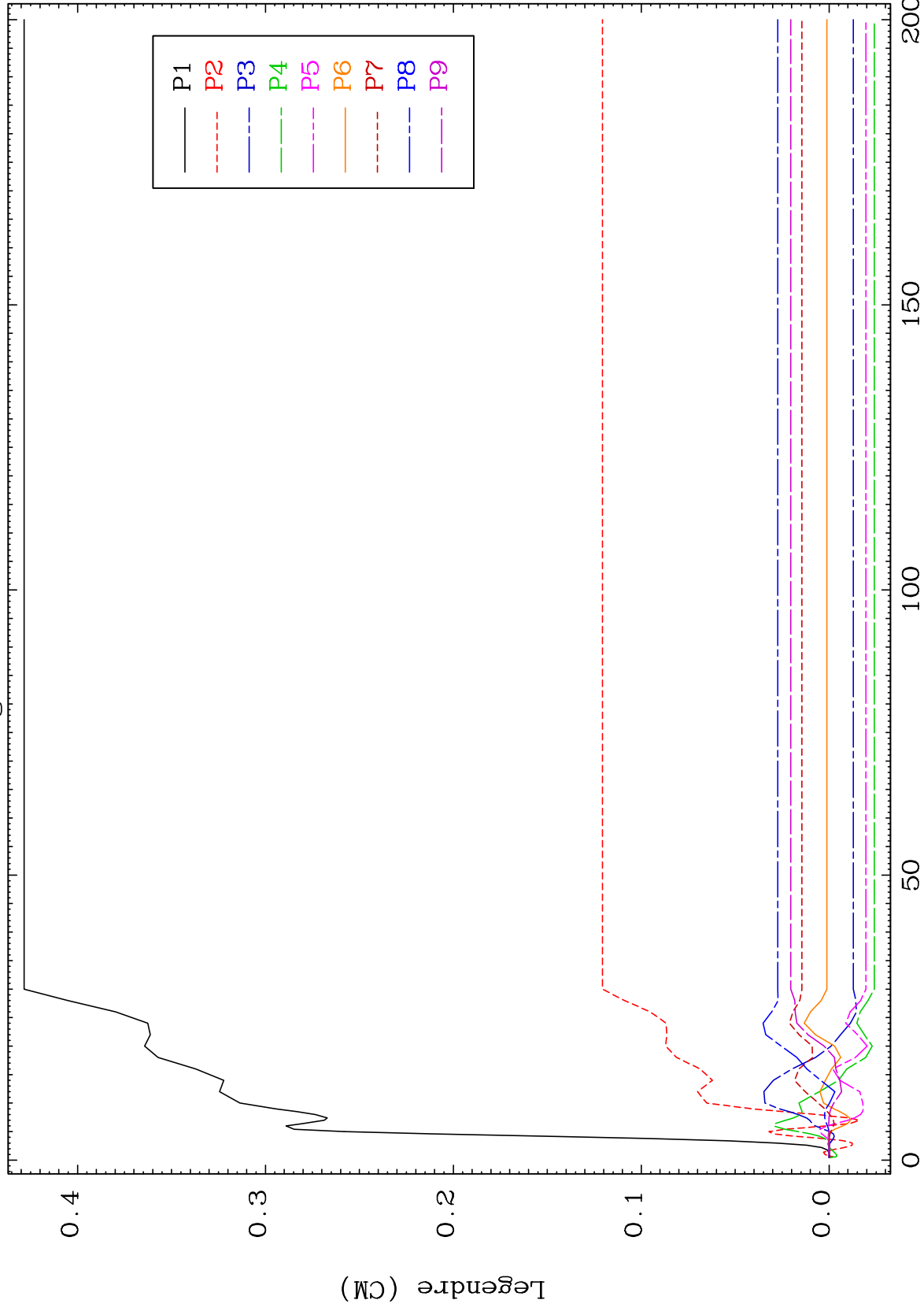




MAT 6440

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

64-Gd-157



56

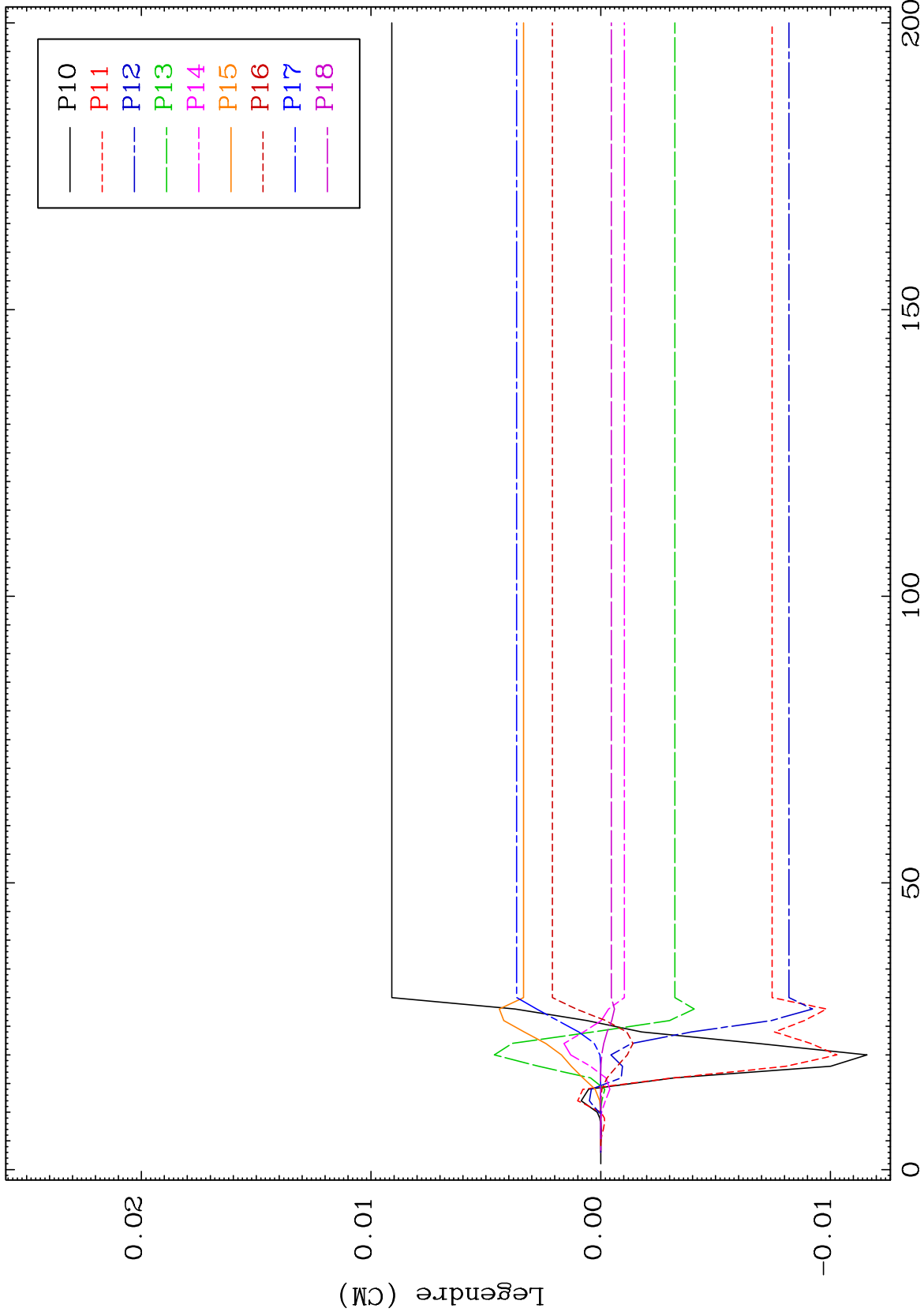
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

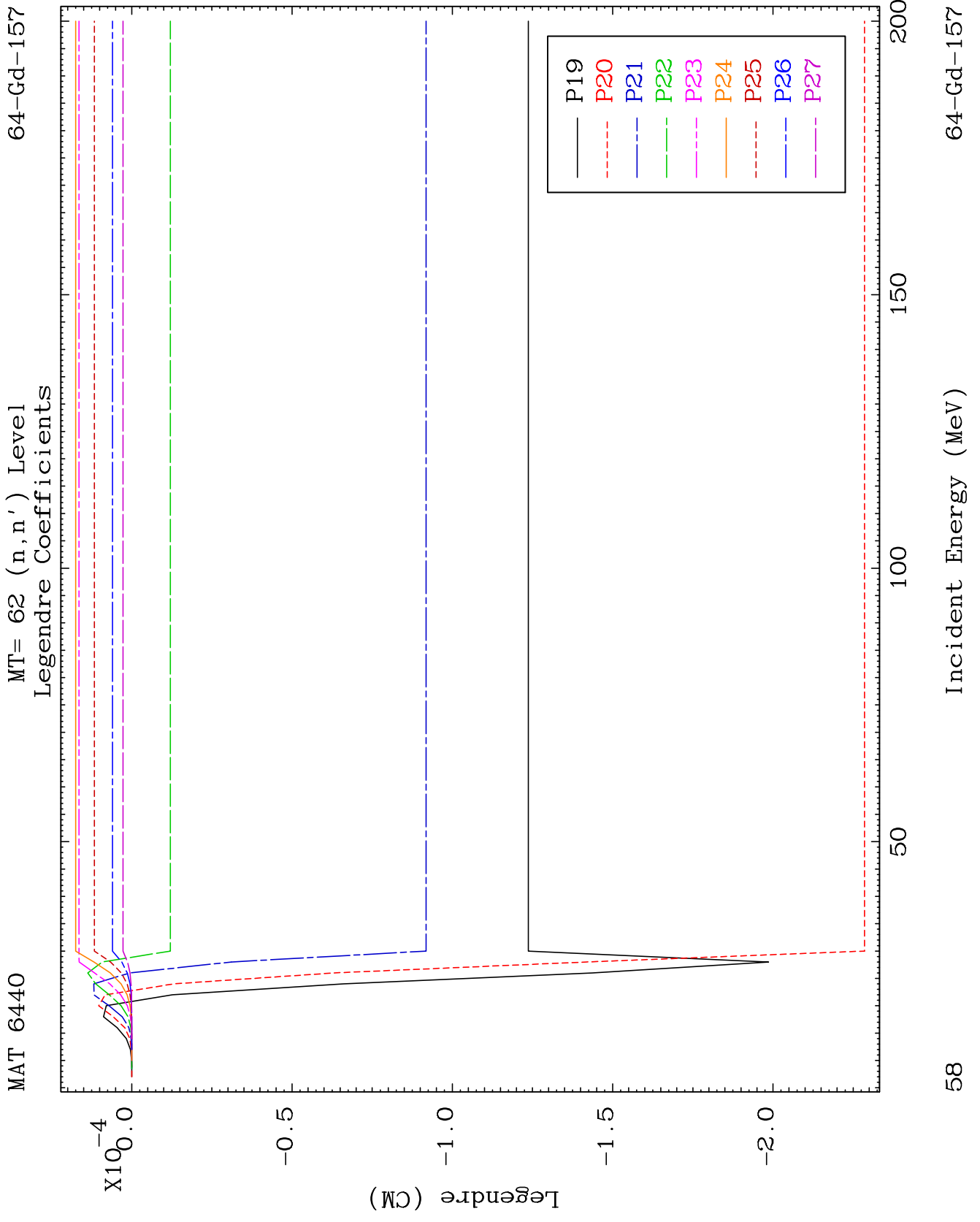
64-Gd-157



57

Incident Energy (MeV)

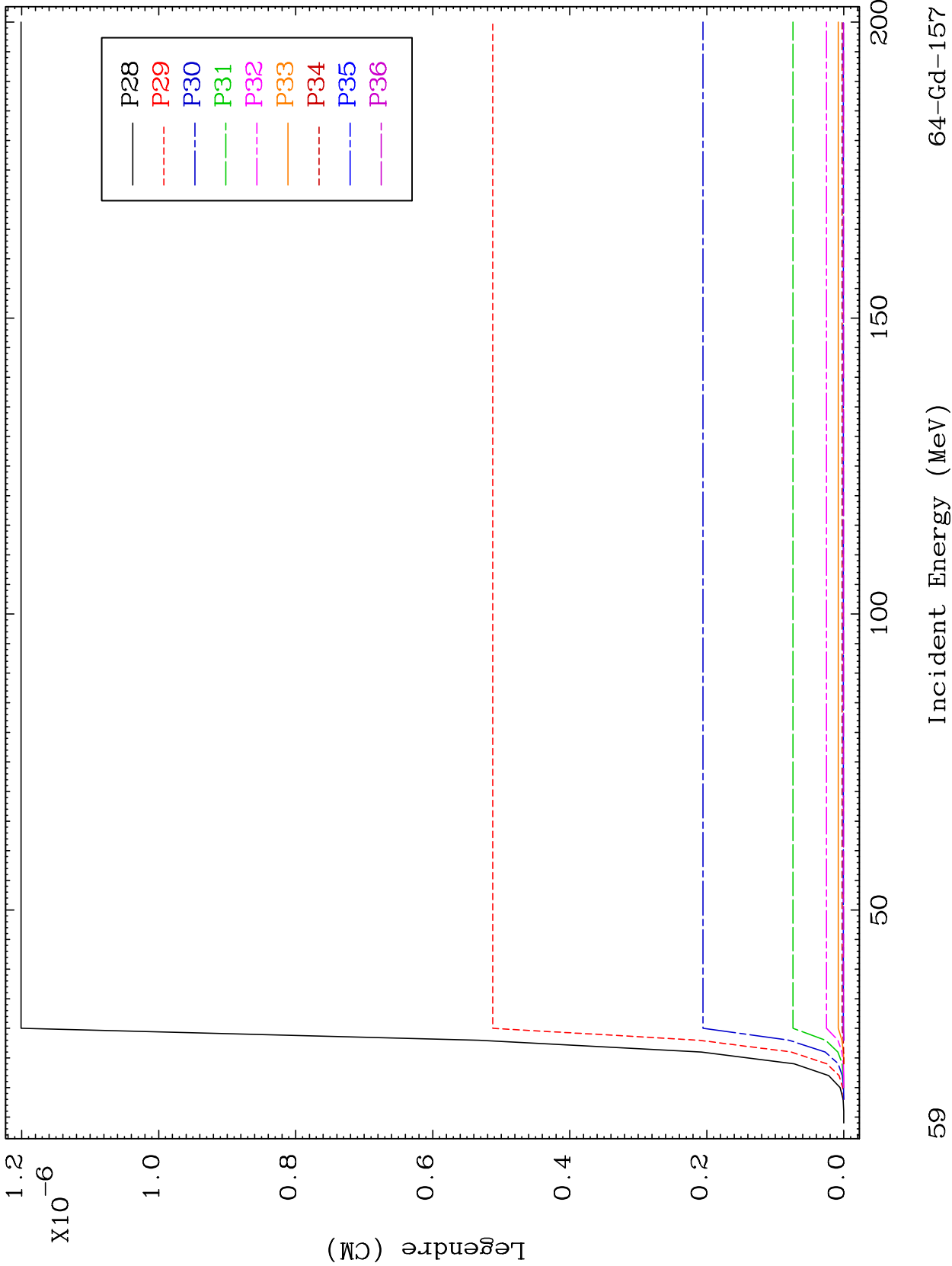
64-Gd-157



MAT 6440

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

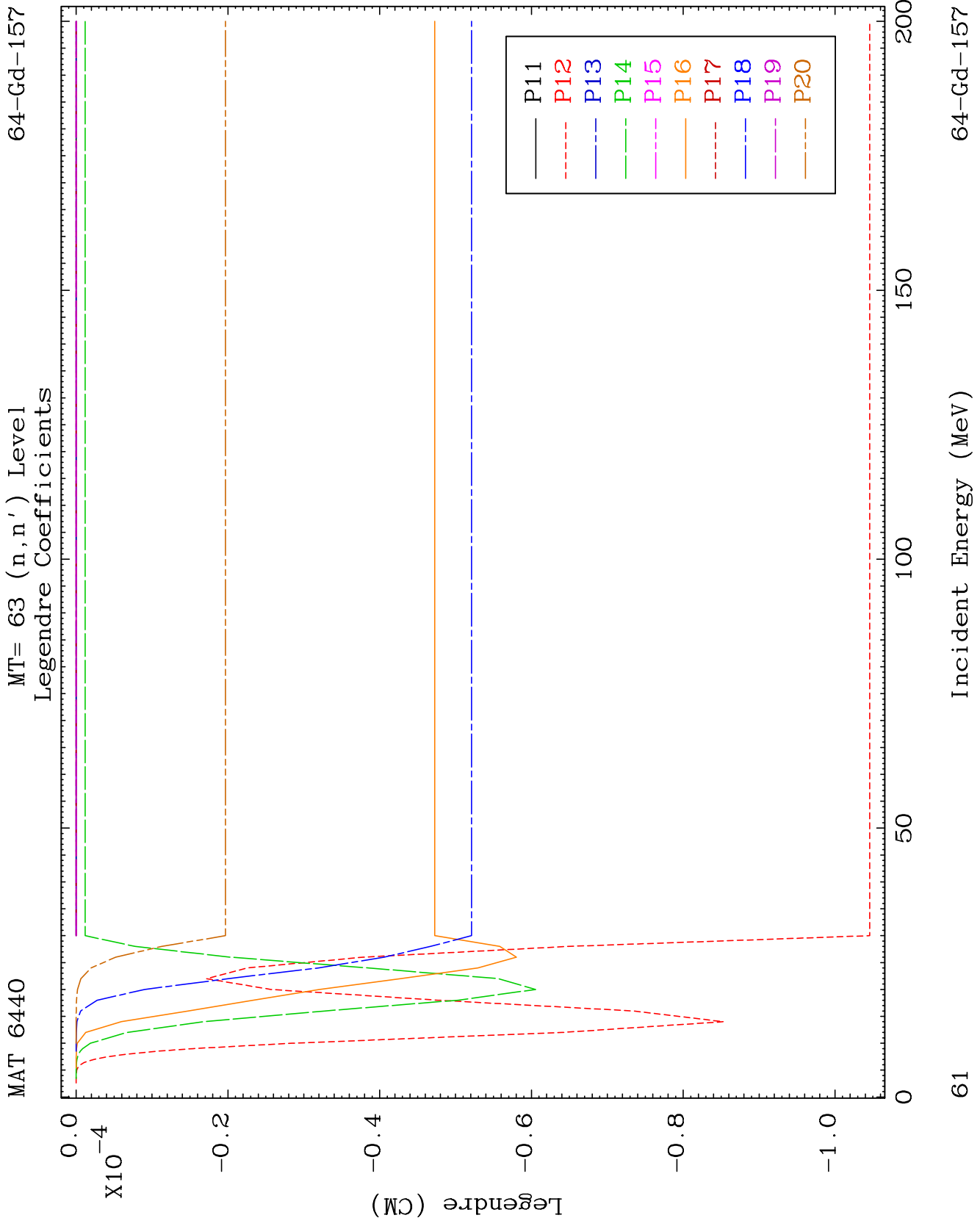
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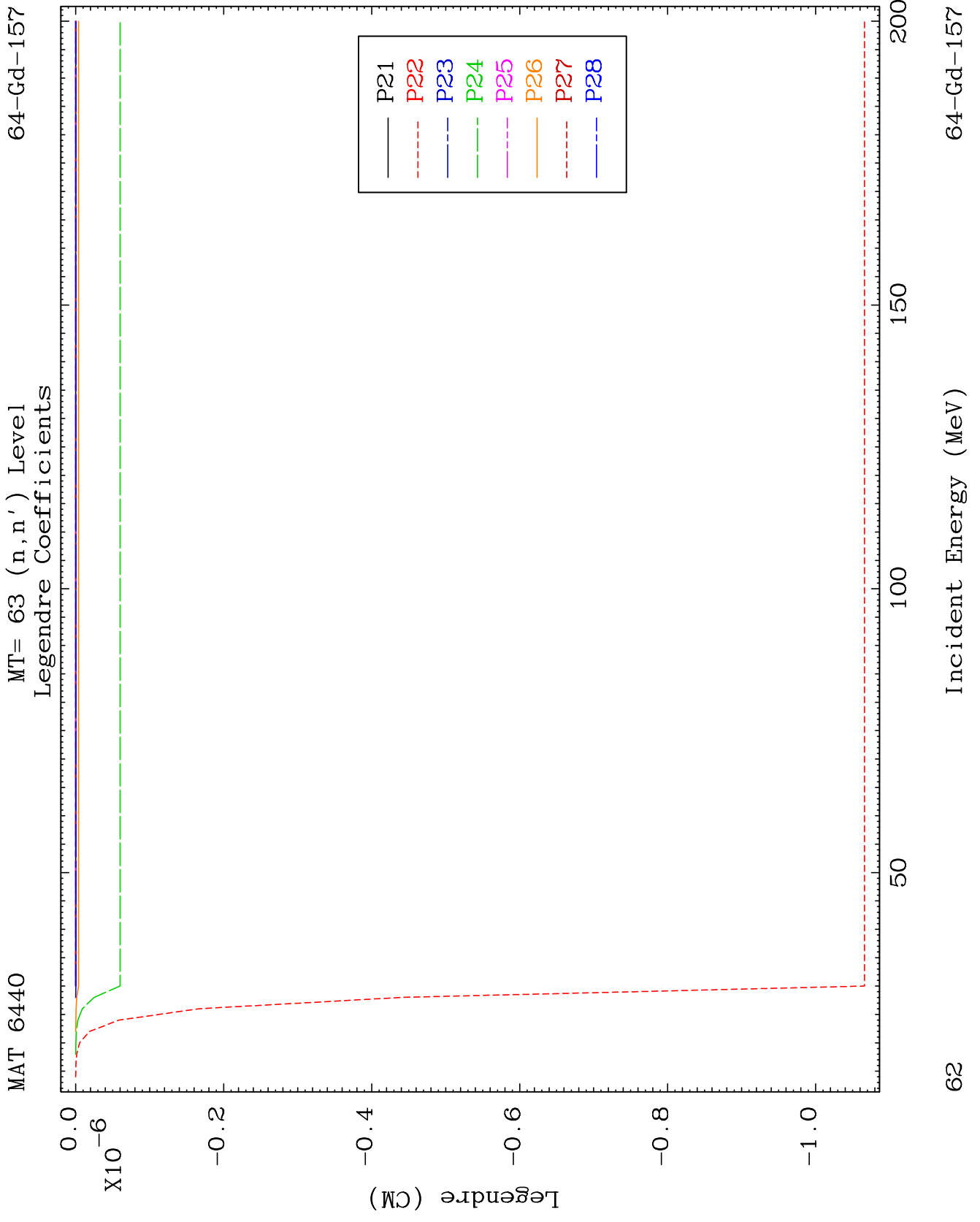


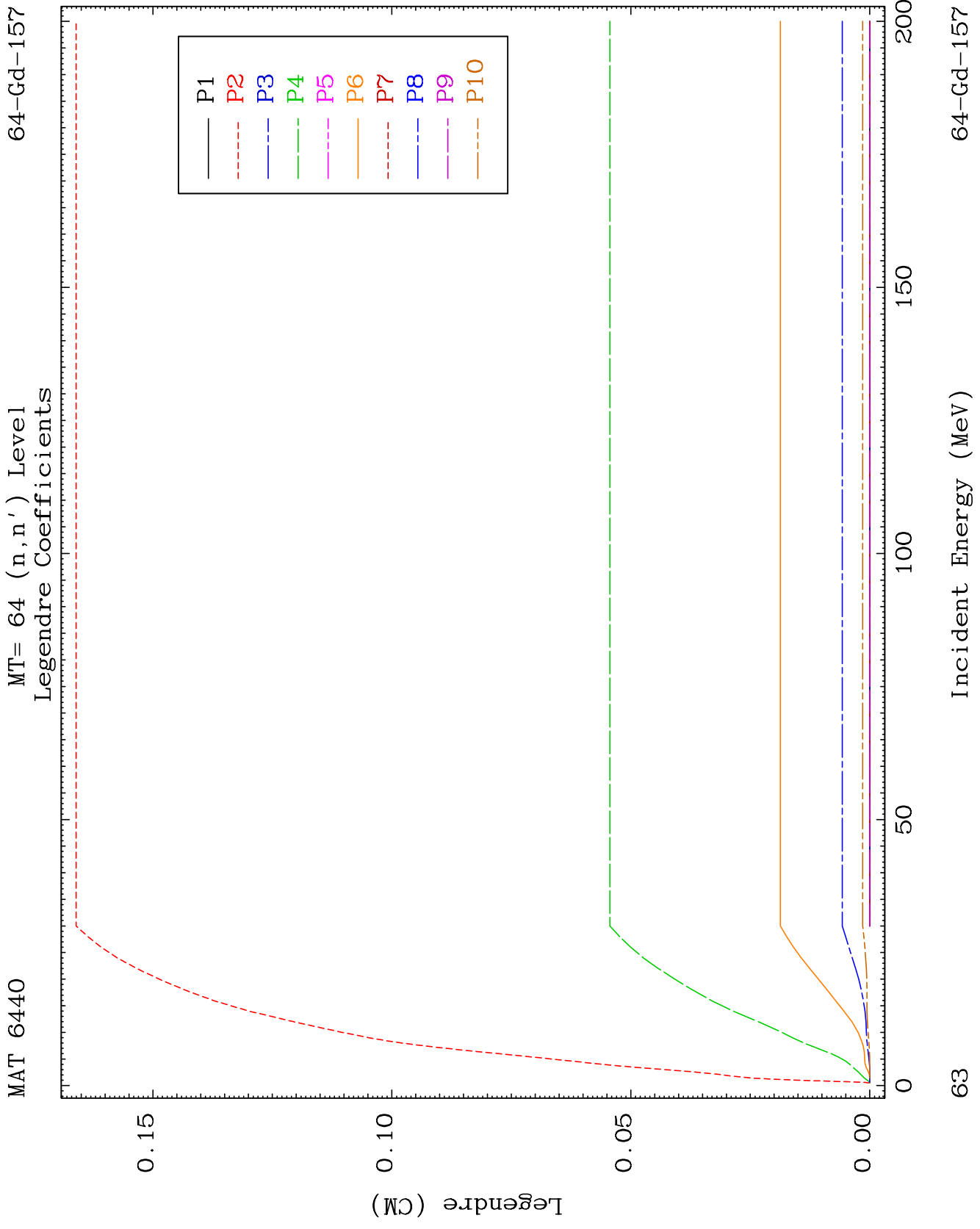
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Incident Energy (MeV)

64-Gd-157







64-Gd-157

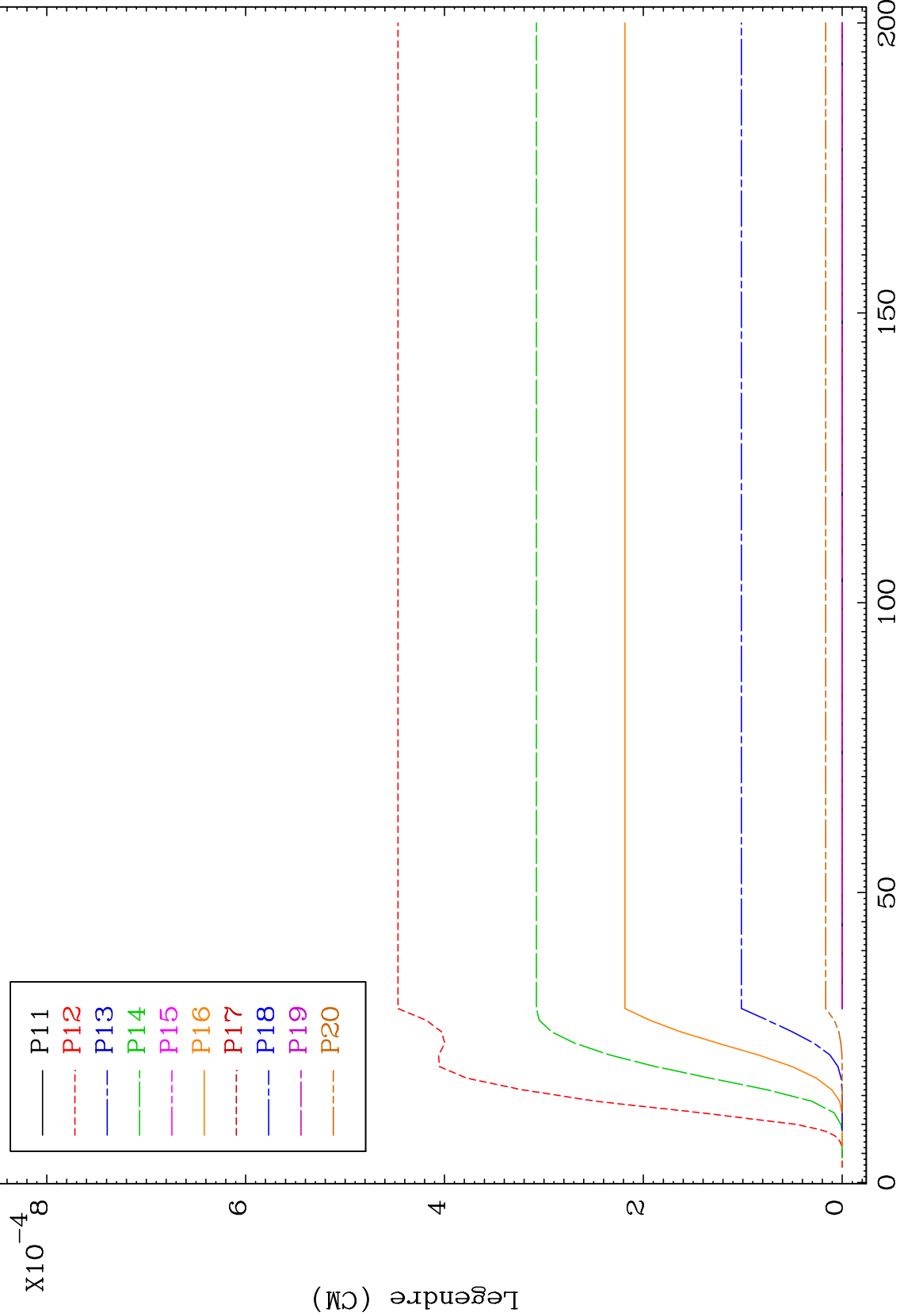
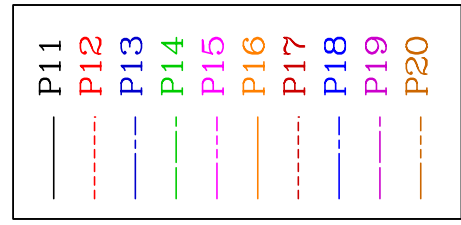
Incident Energy (MeV)

63

MAT 6440

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

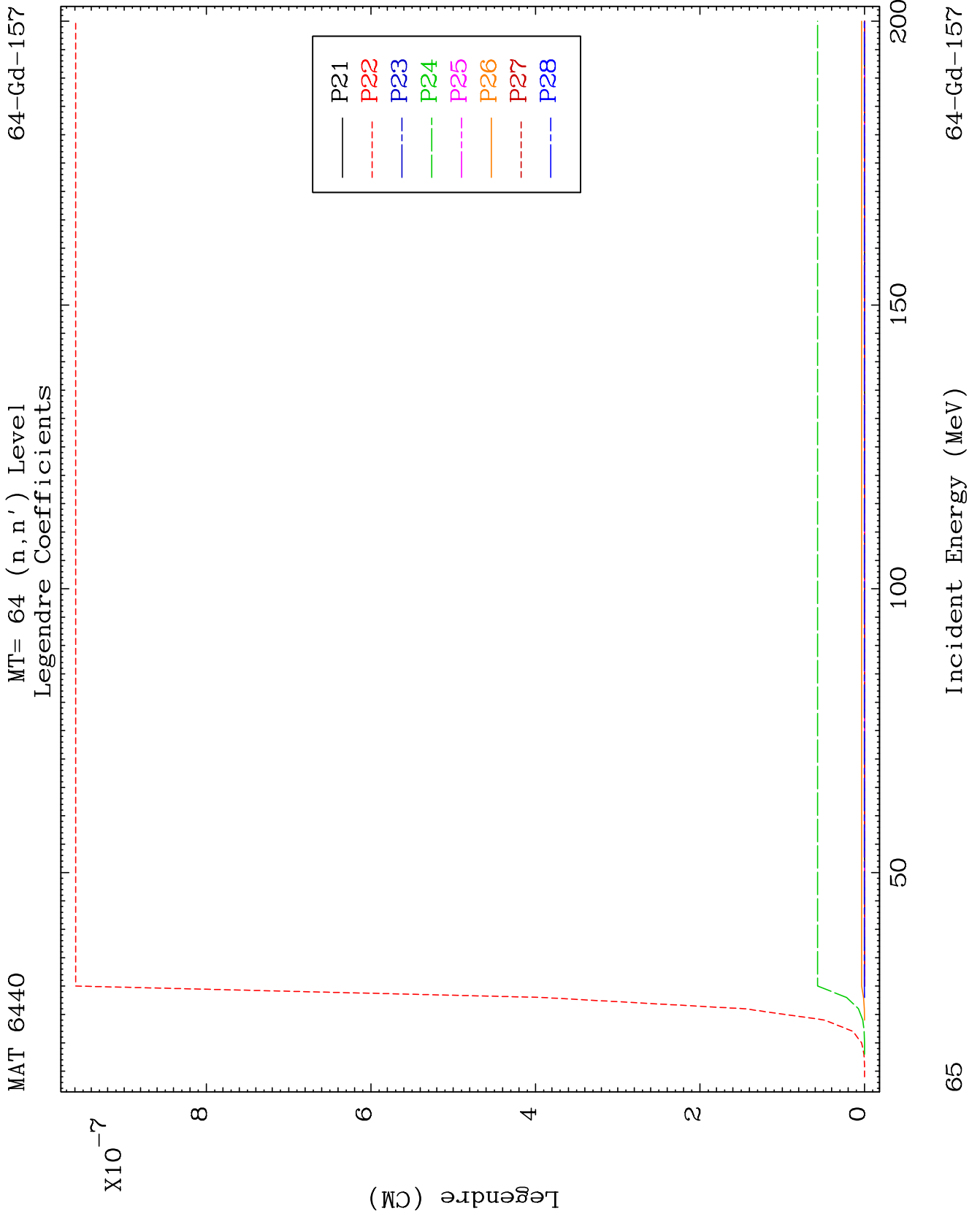
64-Gd-157



64

Incident Energy (MeV)

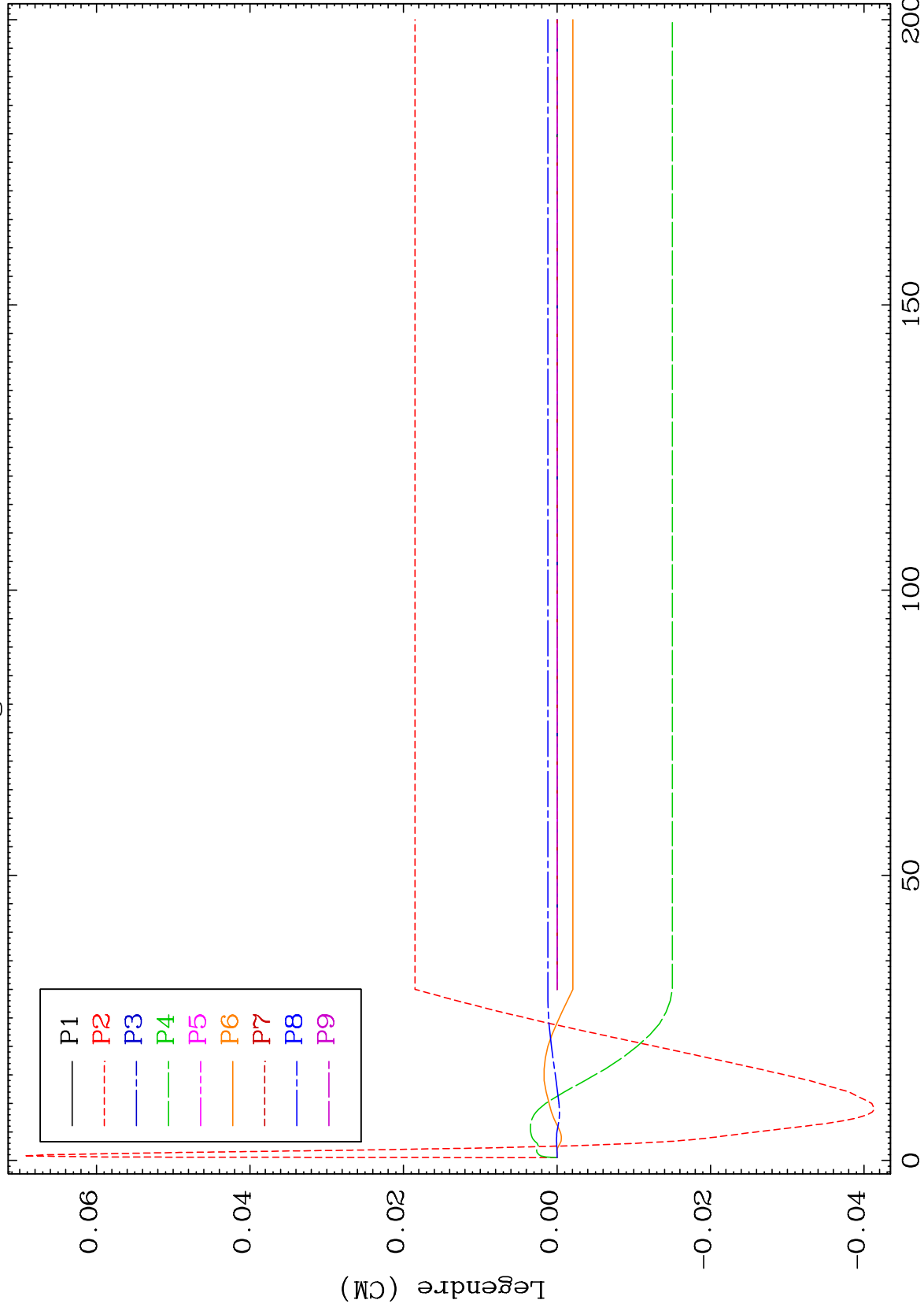
64-Gd-157



MAT 6440

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

64-Gd-157



66

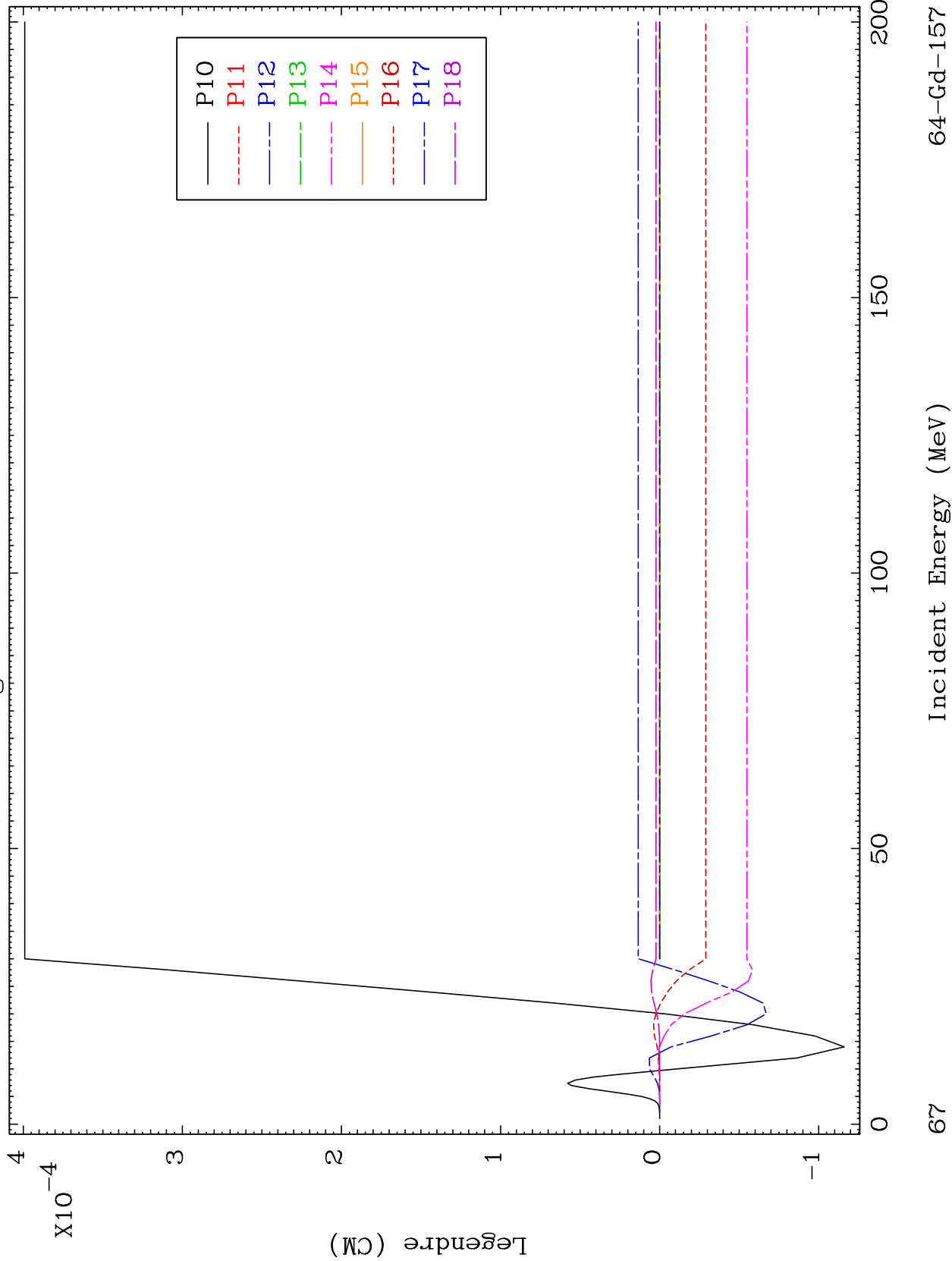
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

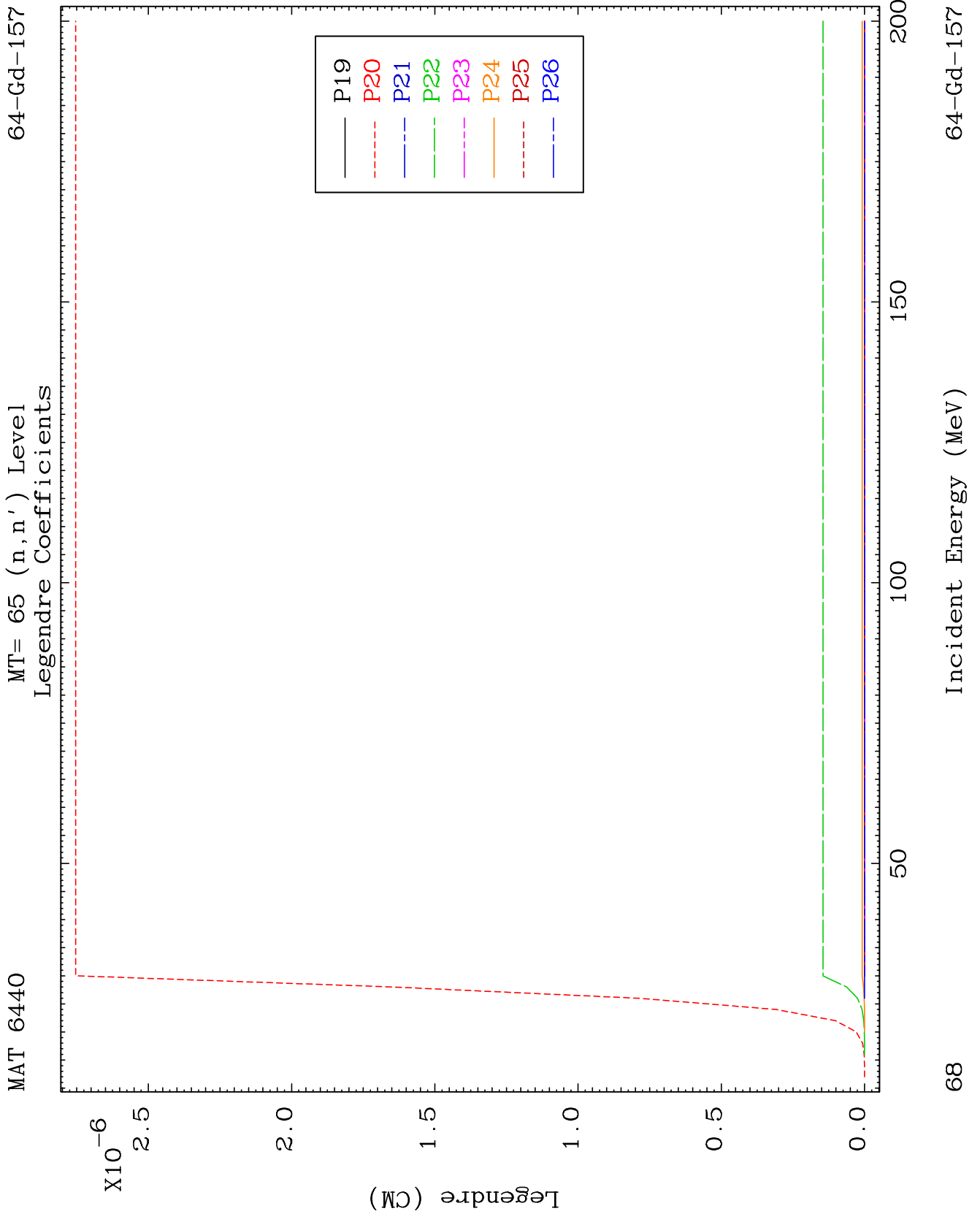
64-Gd-157



67

Incident Energy (MeV)

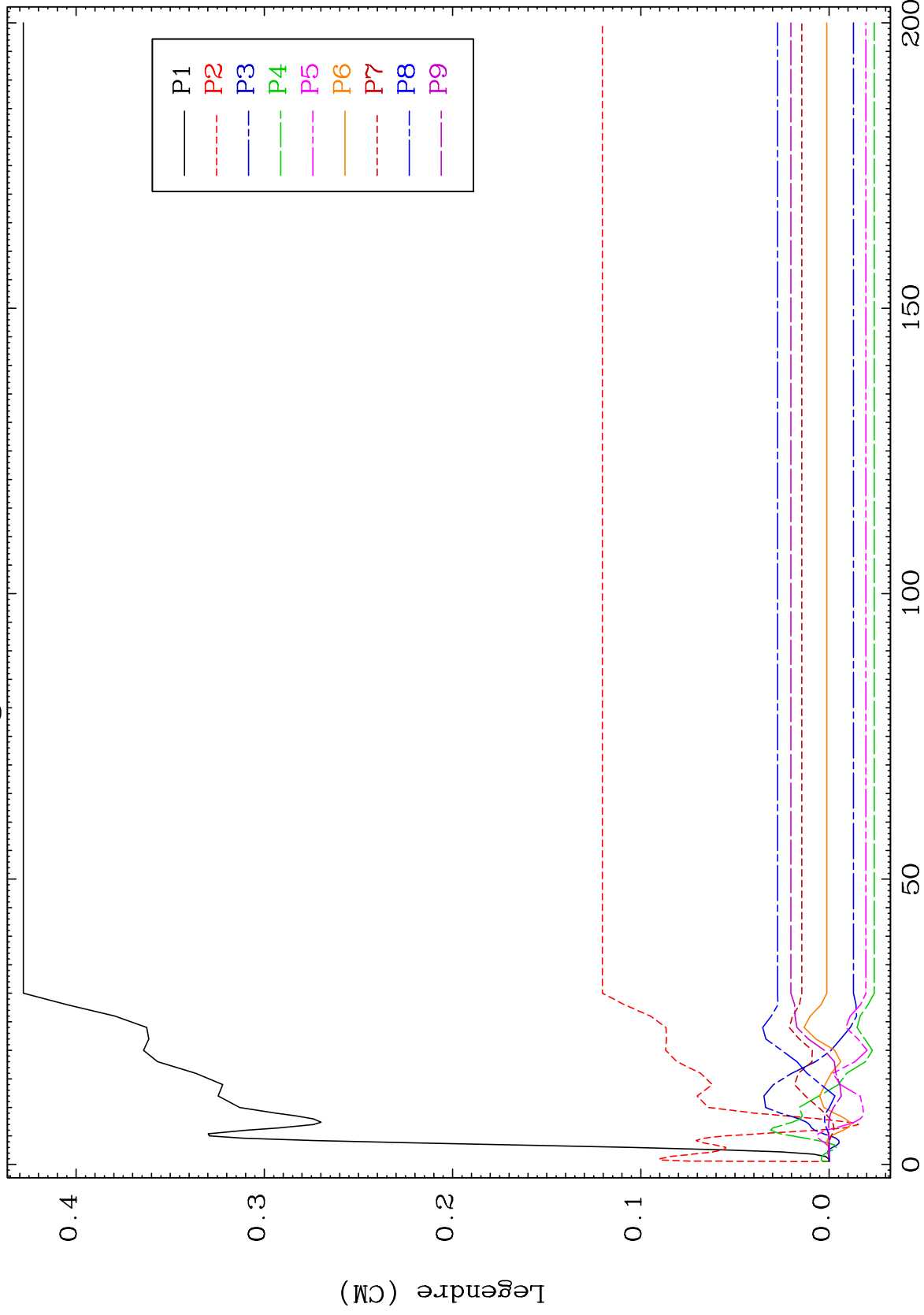
64-Gd-157



MAT 6440

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

64-Gd-157



69

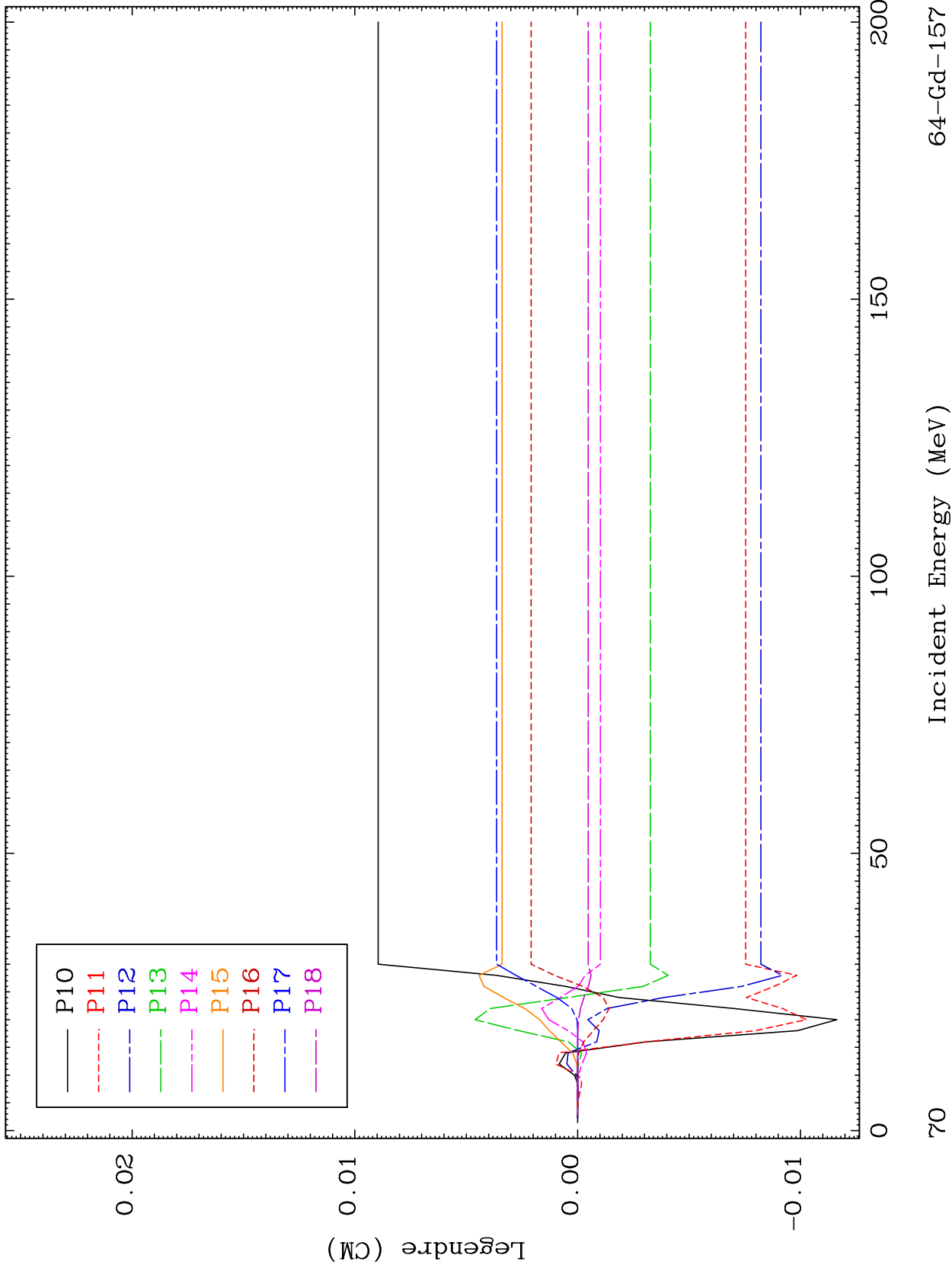
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

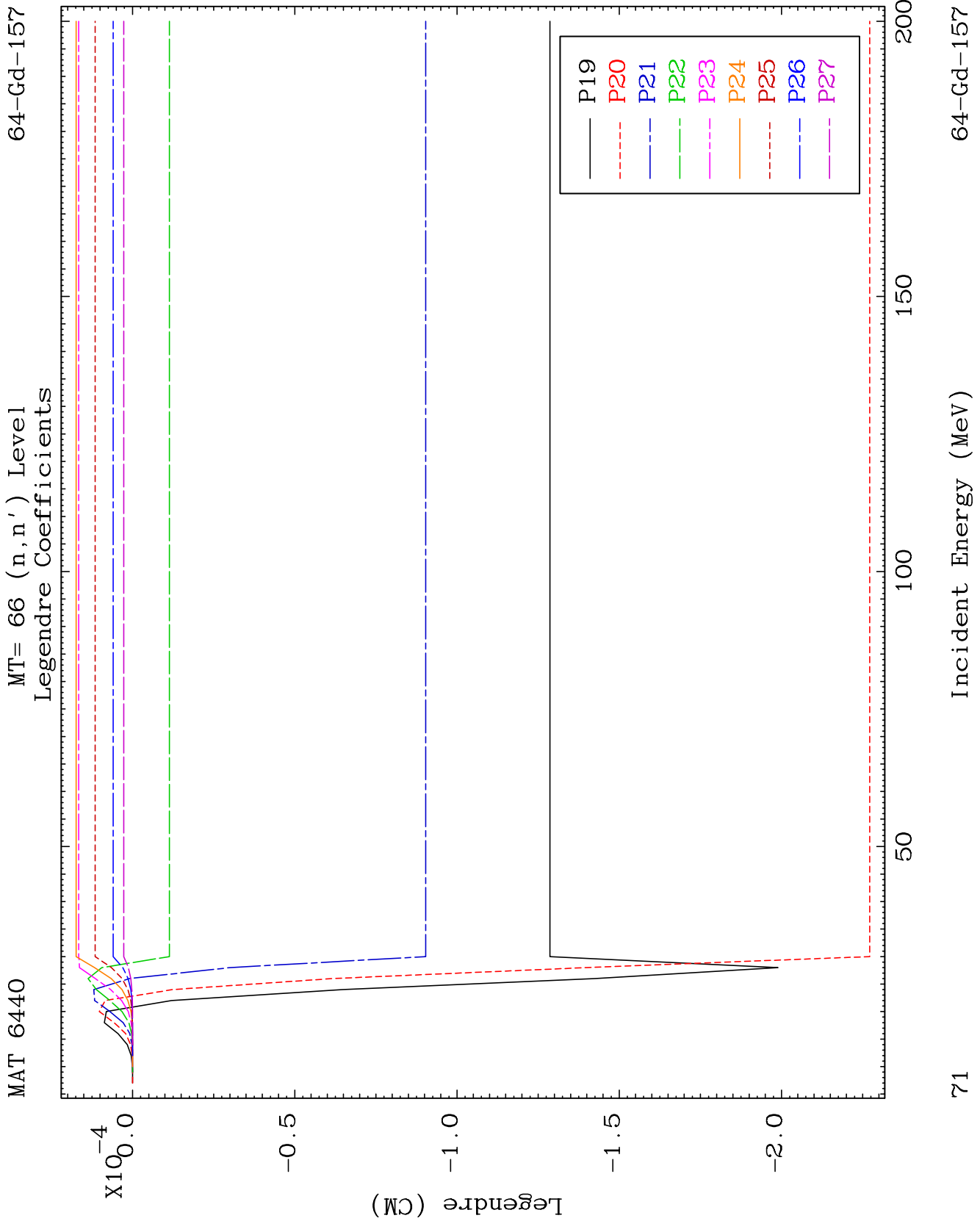
64-Gd-157



64-Gd-157

Incident Energy (MeV)

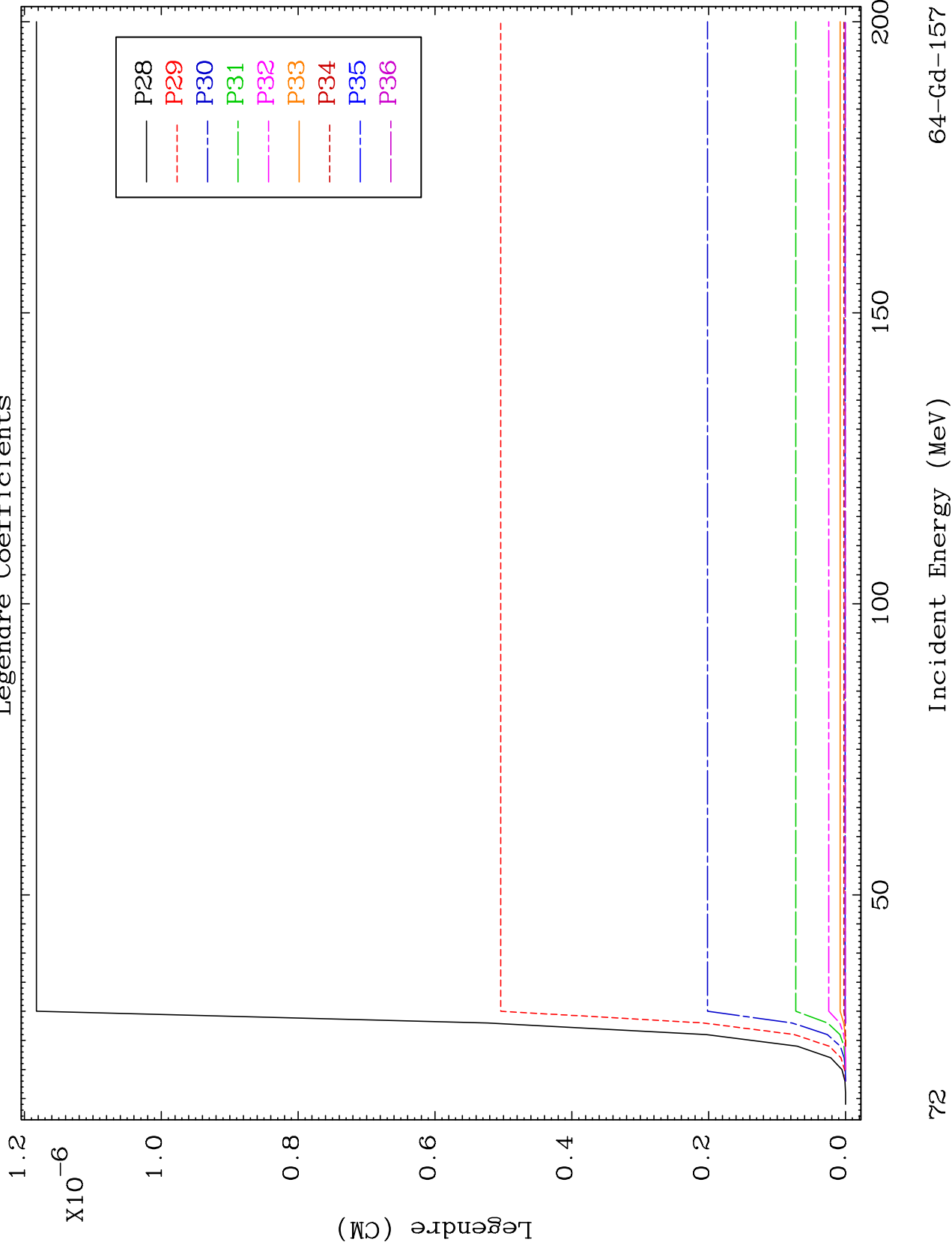
70



MAT 6440

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

64-Gd-157



72

Incident Energy (MeV)

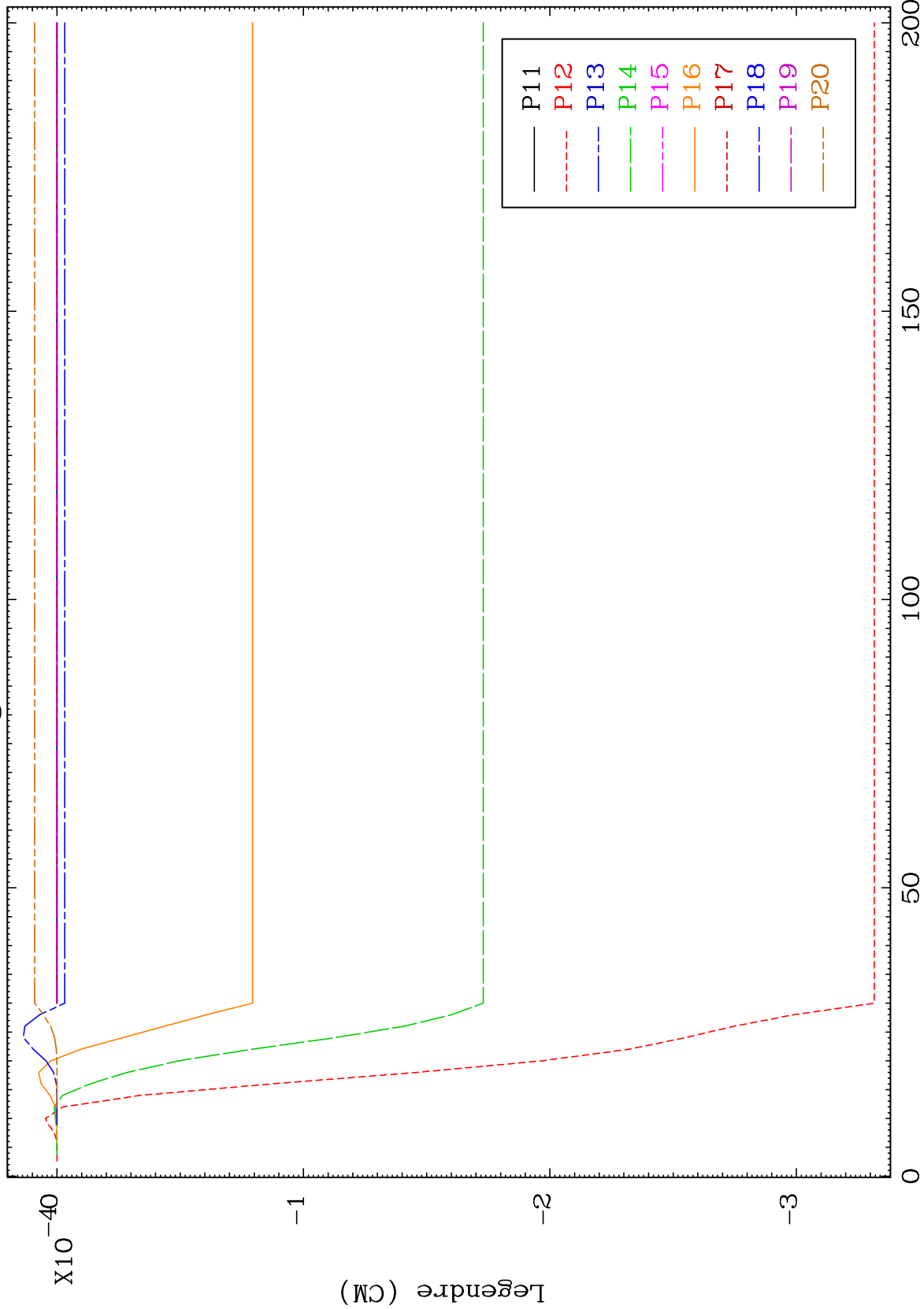
64-Gd-157

MAT 6440

MT= 67 (n,n') Level

64-Gd-157

Legendre Coefficients

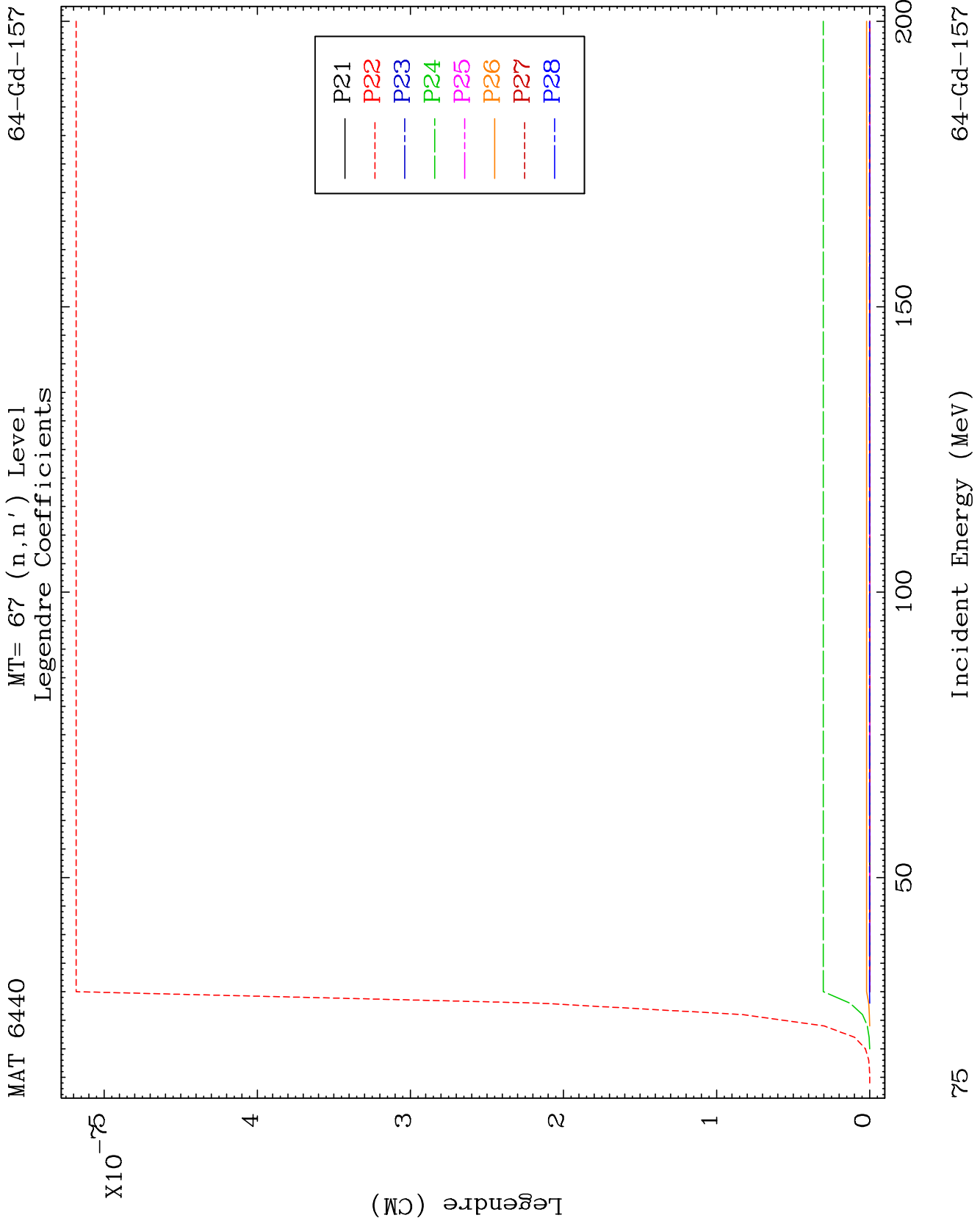


$\times 10^{-40}$

74

Incident Energy (MeV)

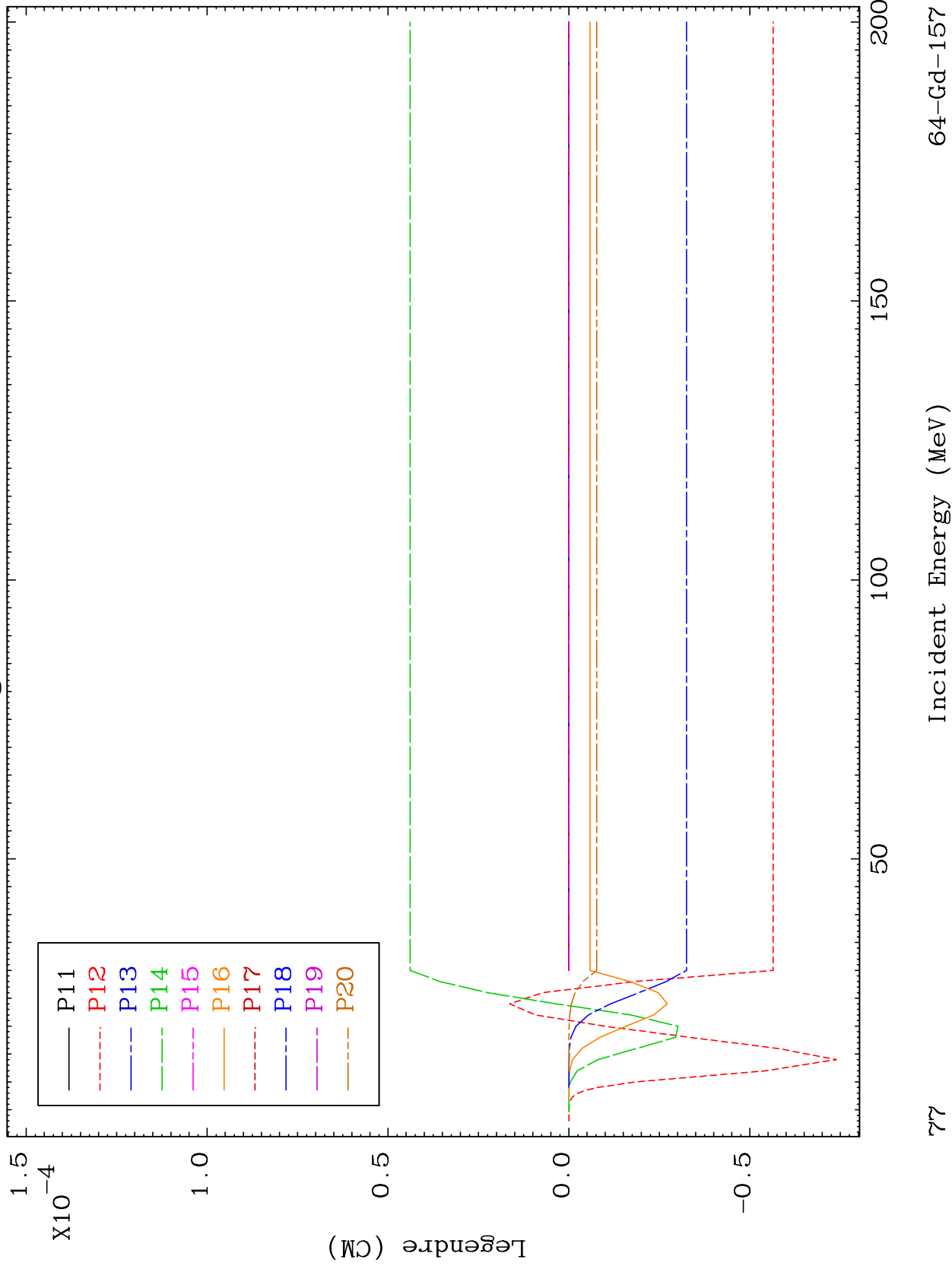
64-Gd-157



MAT 6440

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

64-Gd-157

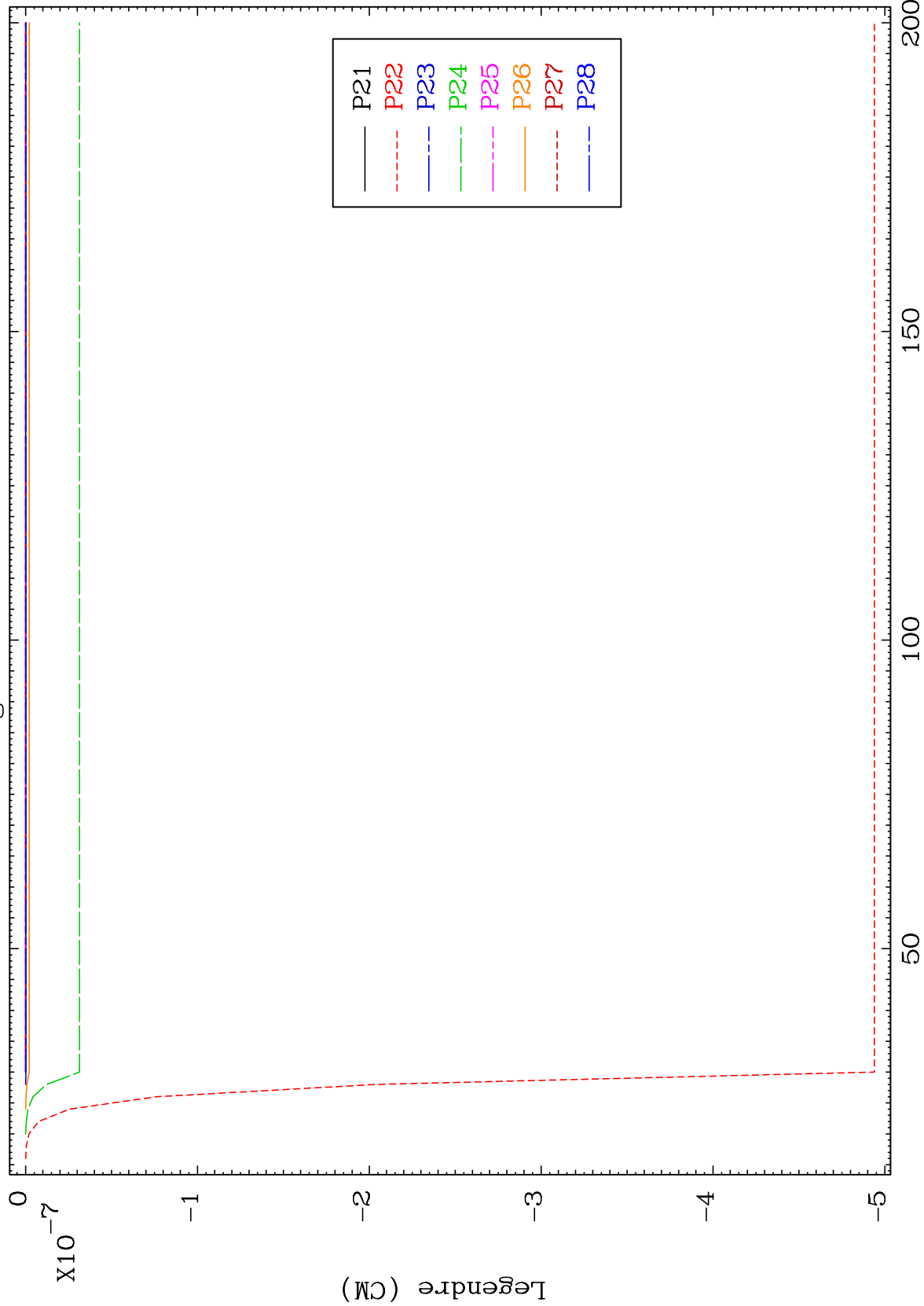


77

MAT 6440

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

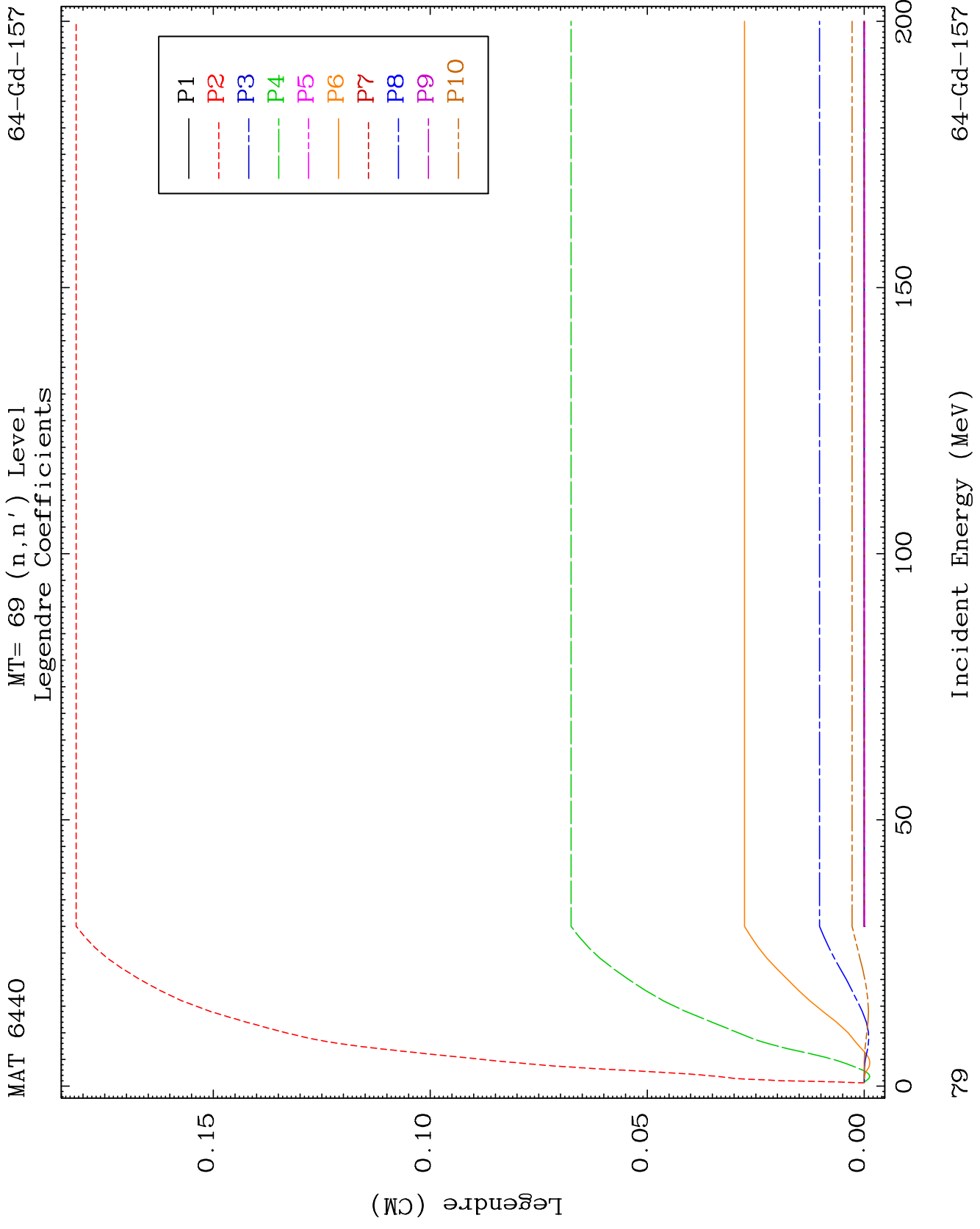
64-Gd-157



64-Gd-157

Incident Energy (MeV)

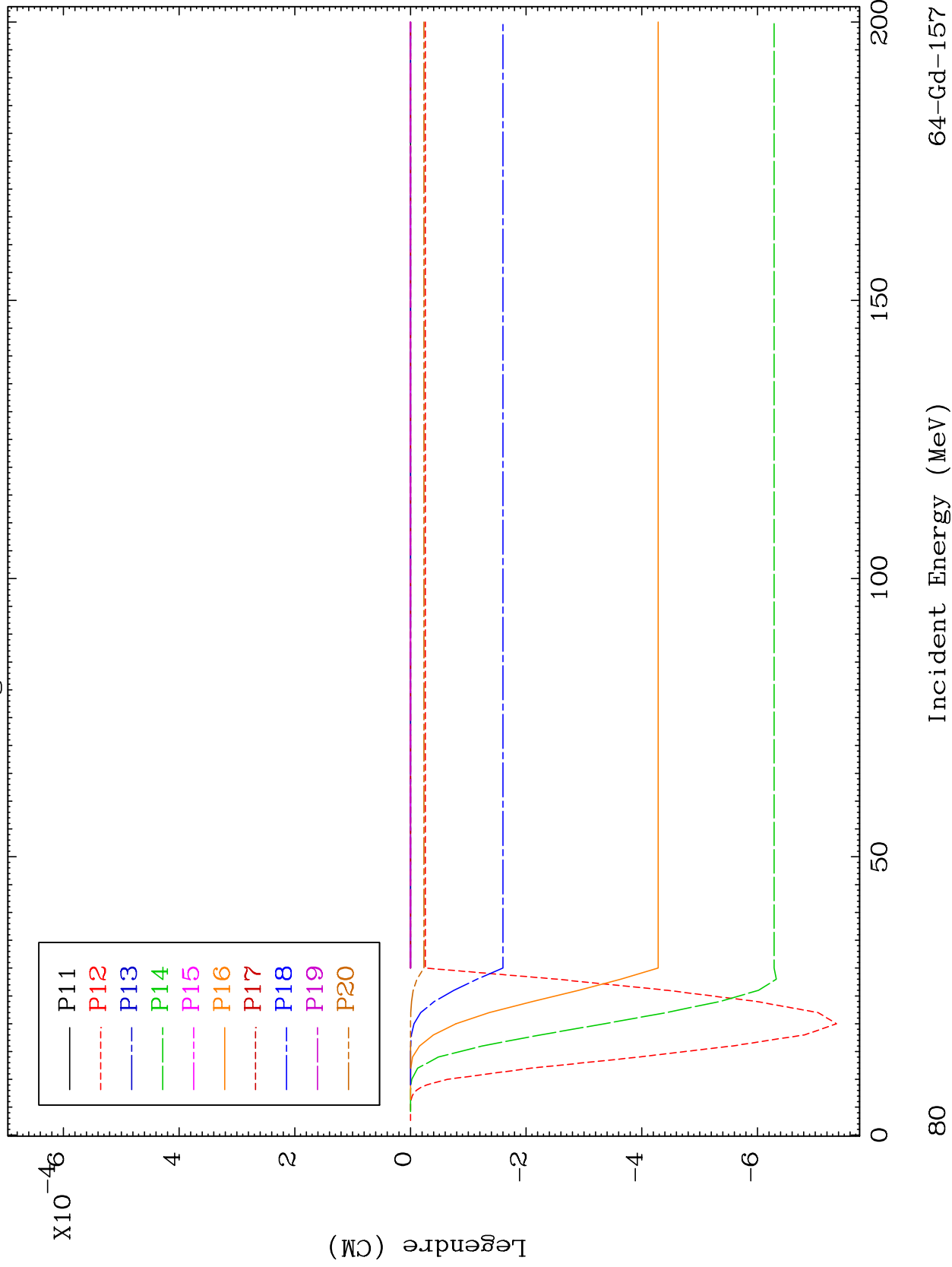
78



MAT 6440

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

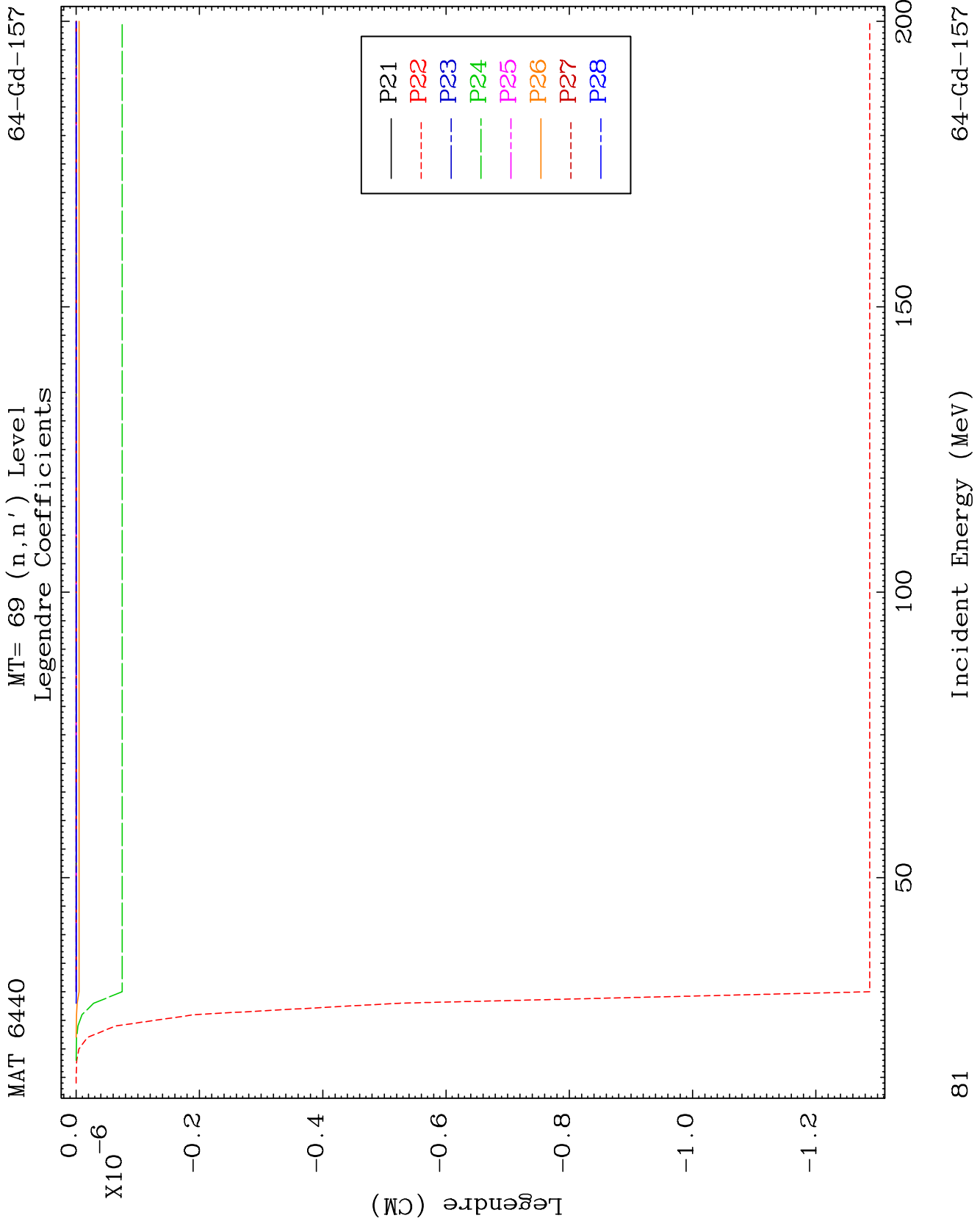
64-Gd-157



64-Gd-157

Incident Energy (MeV)

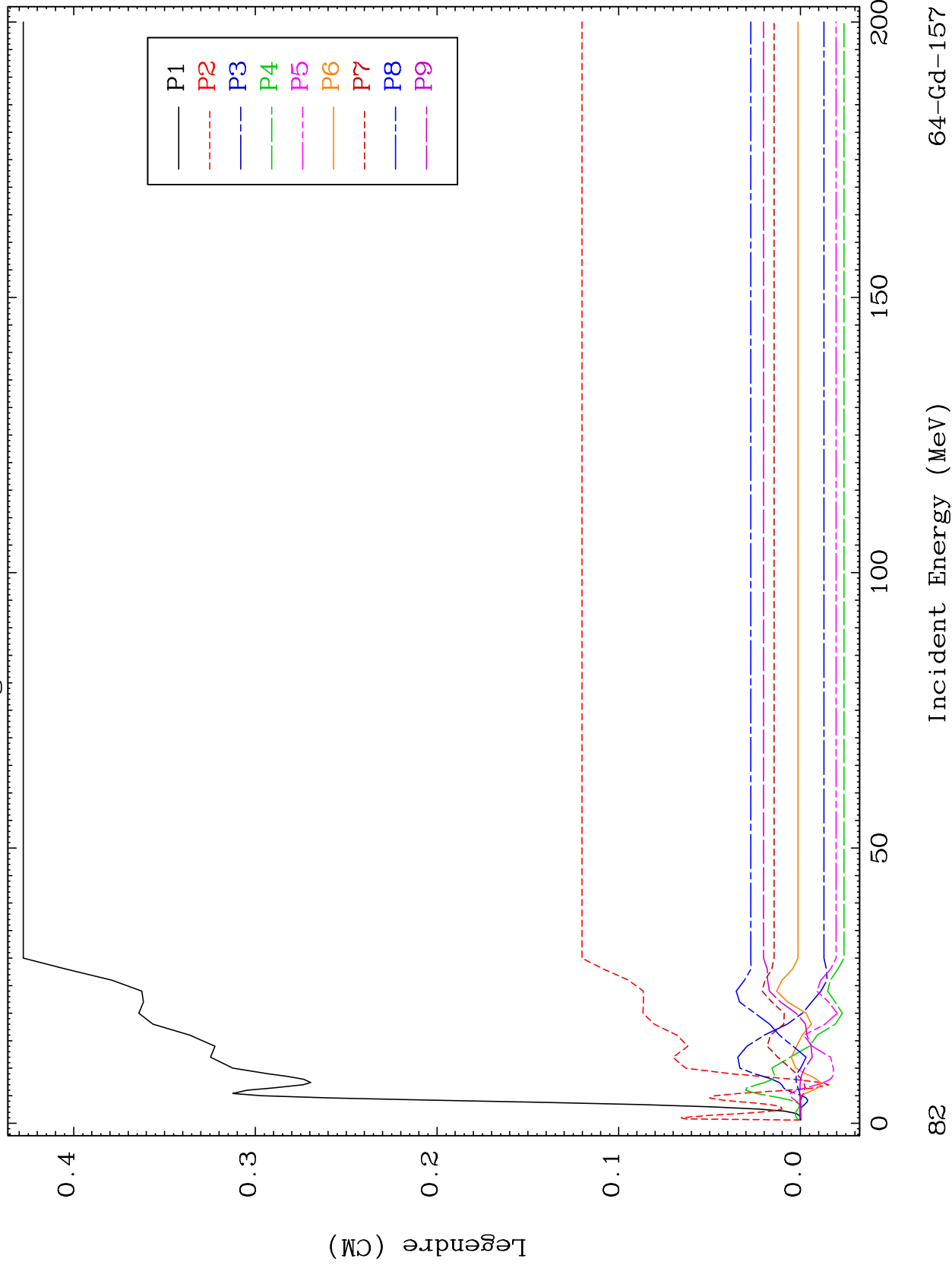
80



MAT 6440

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

64-Gd-157



64-Gd-157

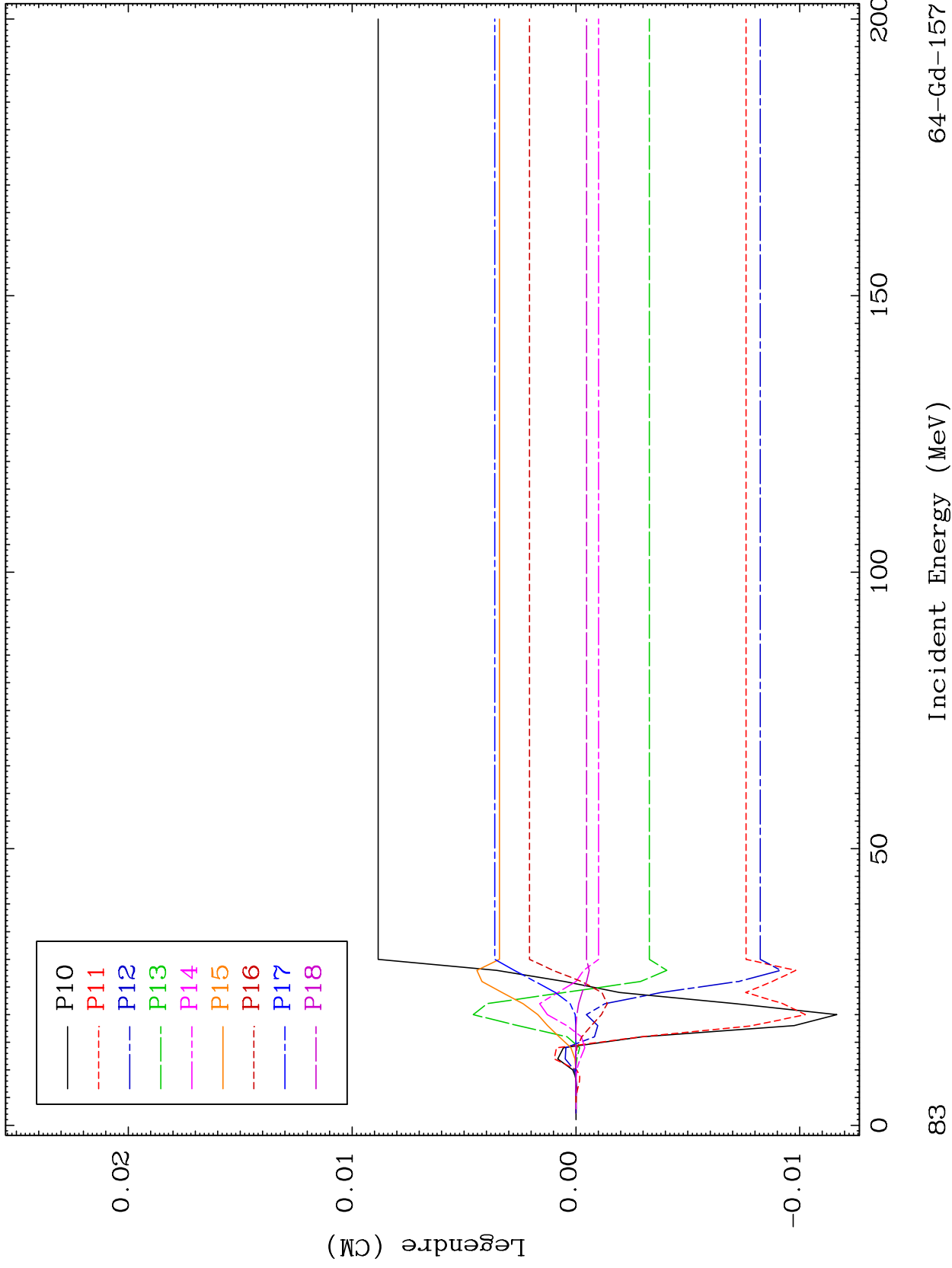
Incident Energy (MeV)

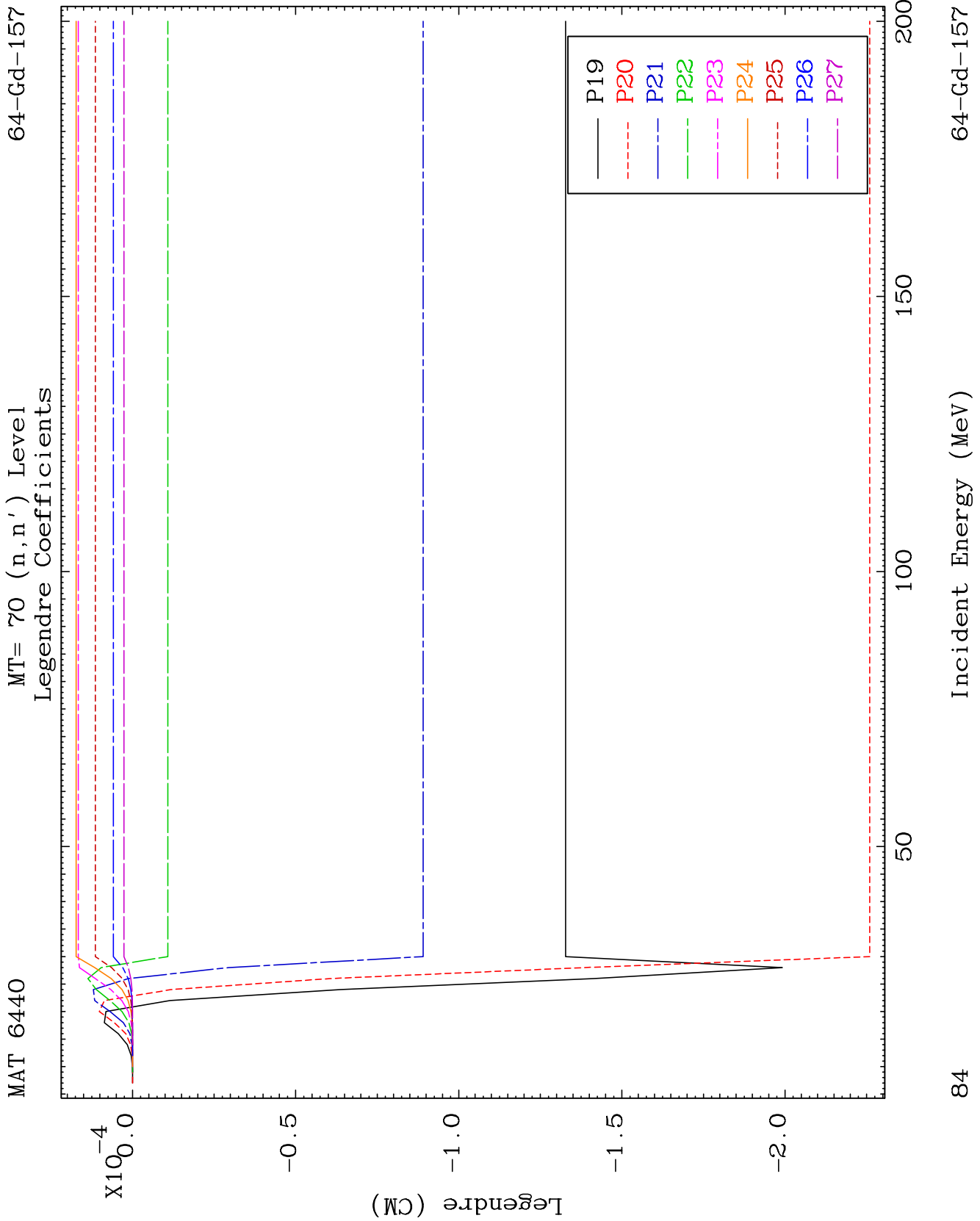
82

MAT 6440

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

64-Gd-157

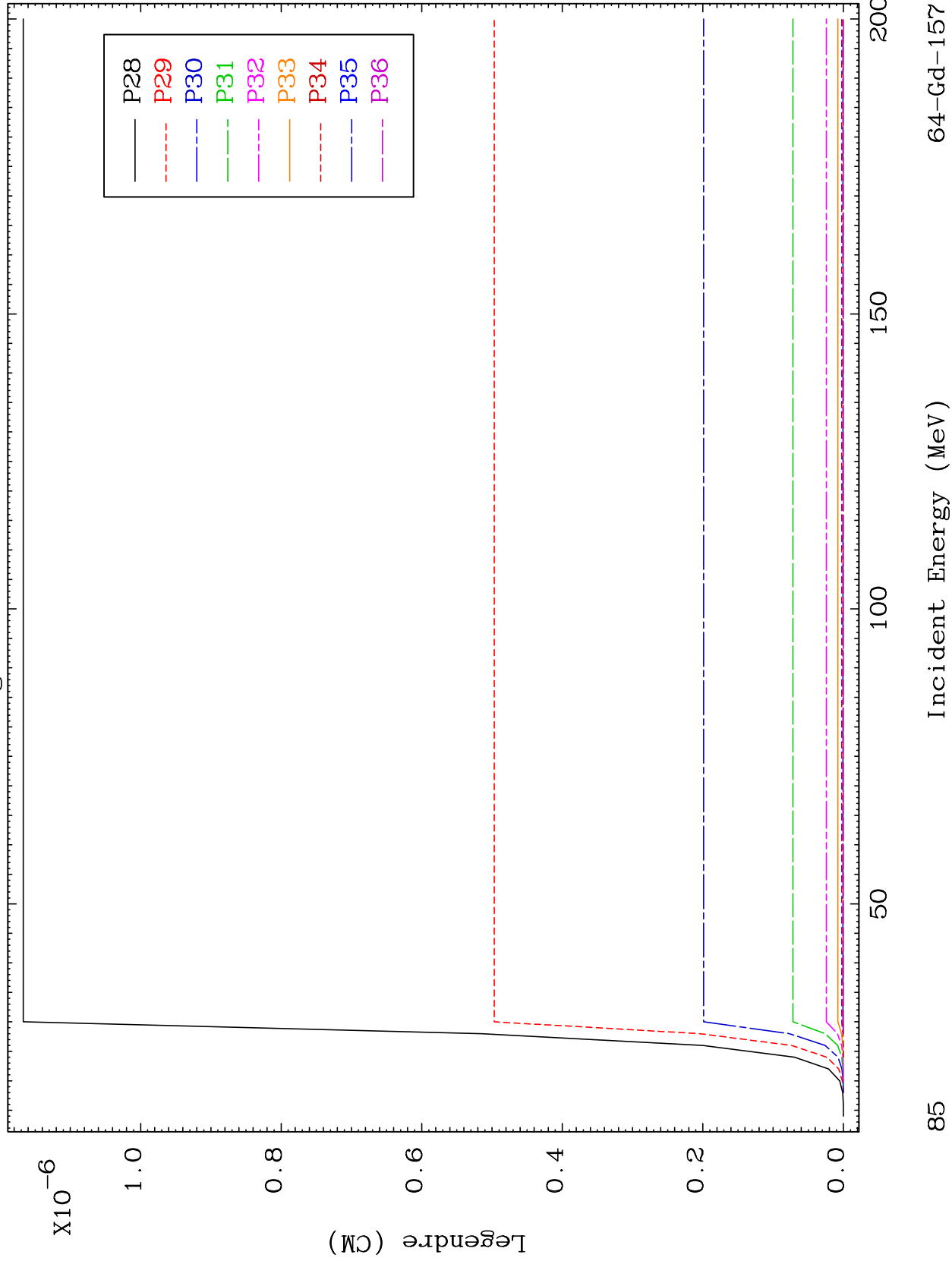




MAT 6440

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

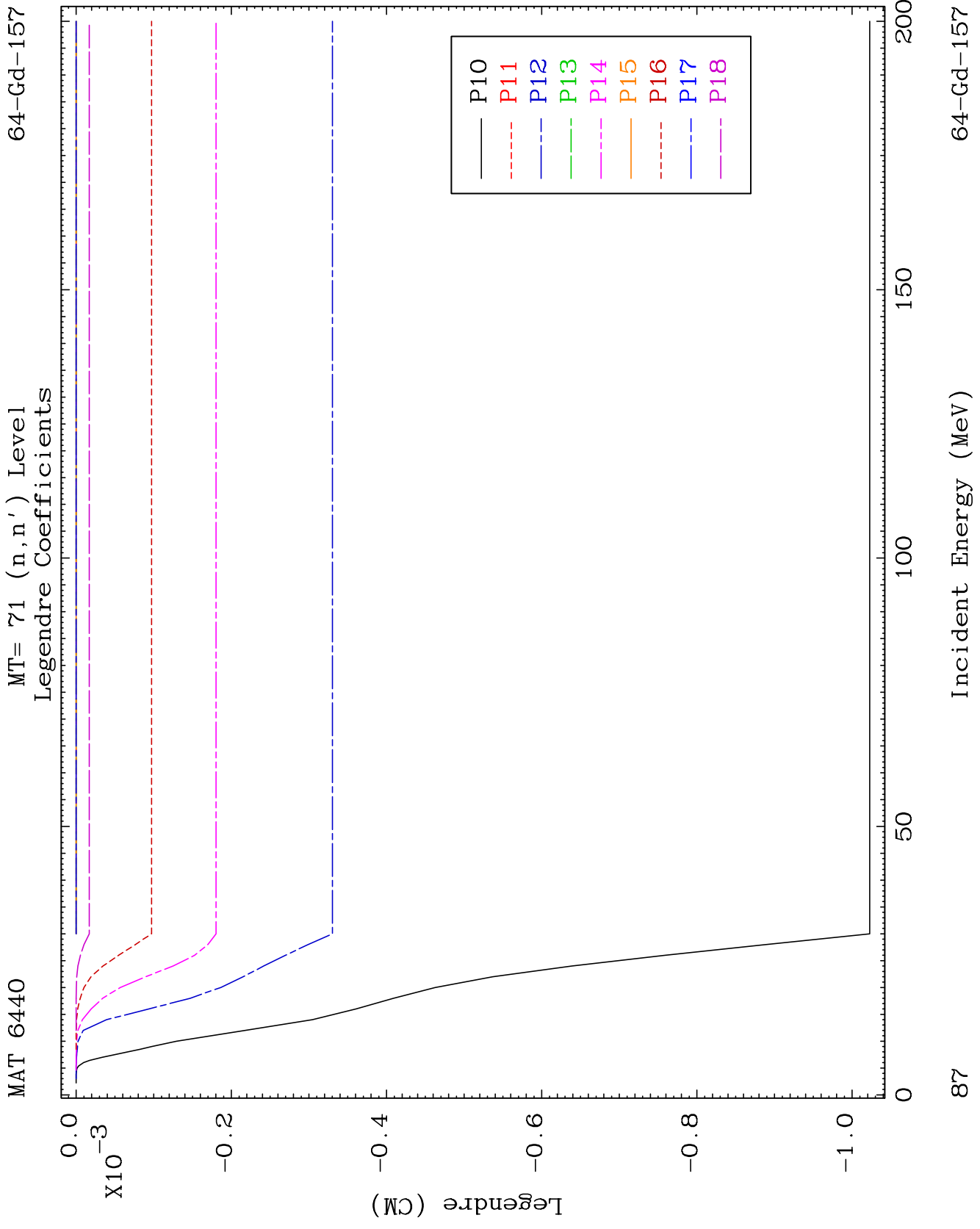
64-Gd-157



85

Incident Energy (MeV)

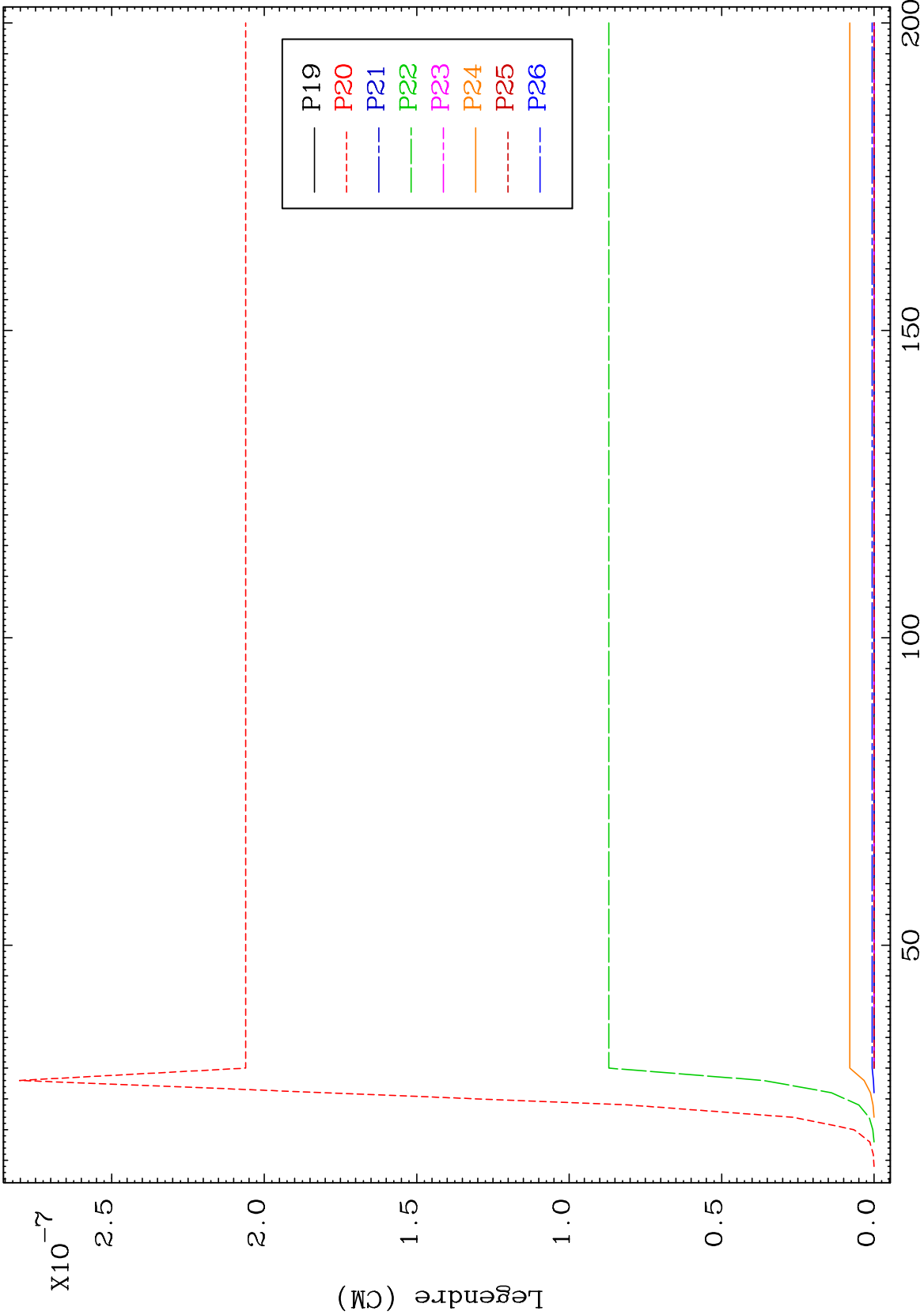
64-Gd-157



MAT 6440

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

64-Gd-157



88

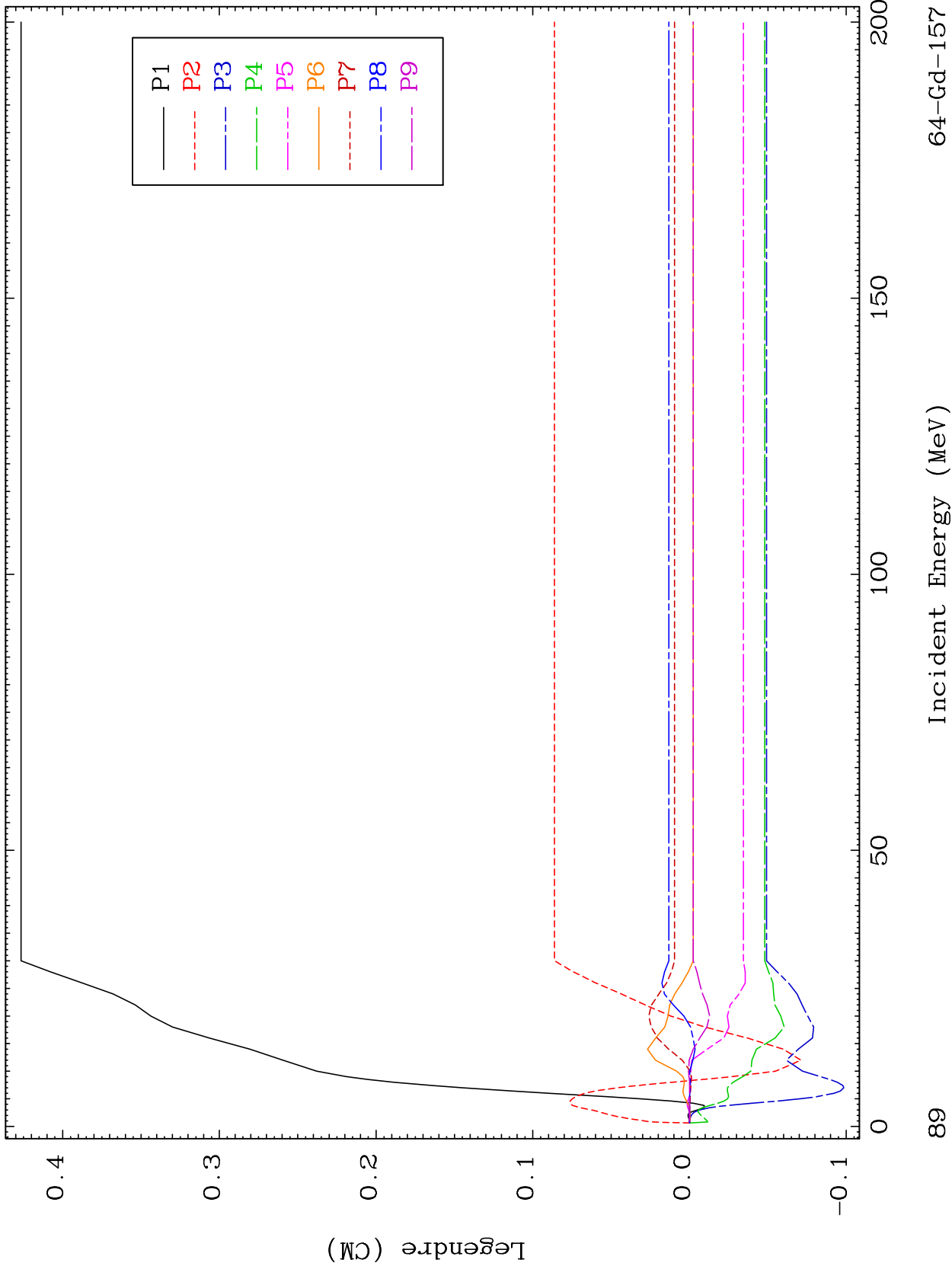
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

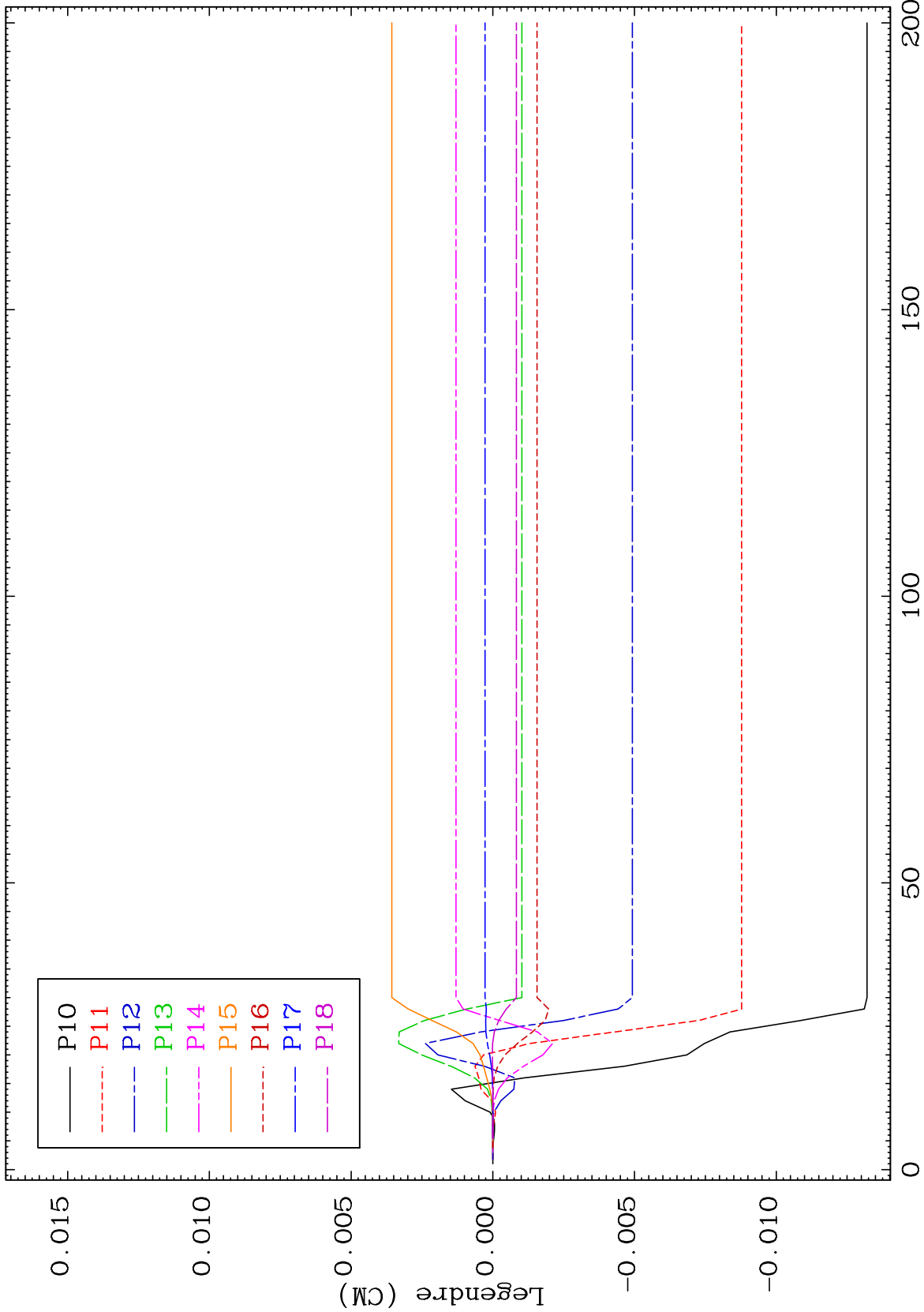
Incident Energy (MeV)

89

MAT 6440

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

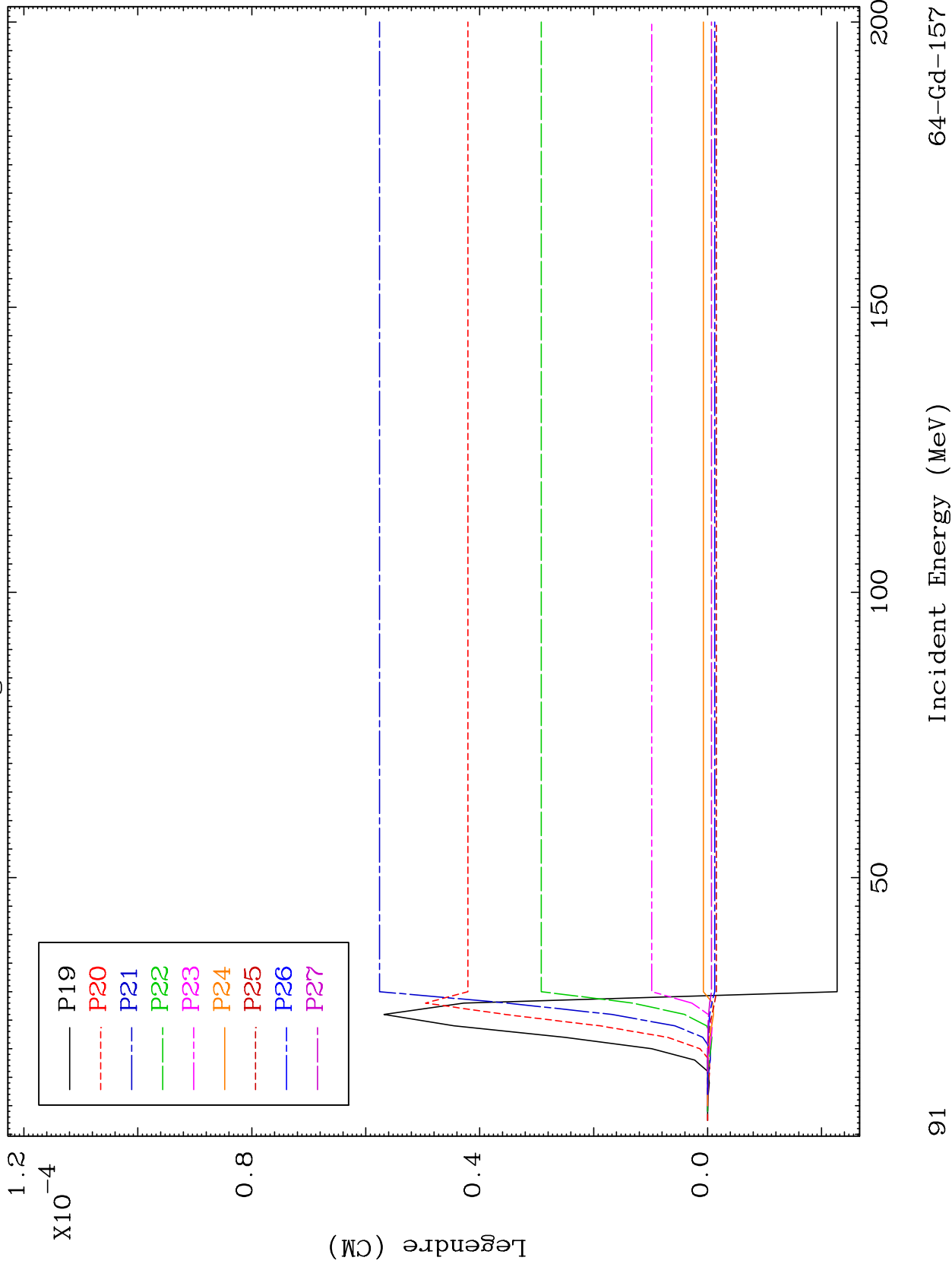
64-Gd-157



90

Incident Energy (MeV)

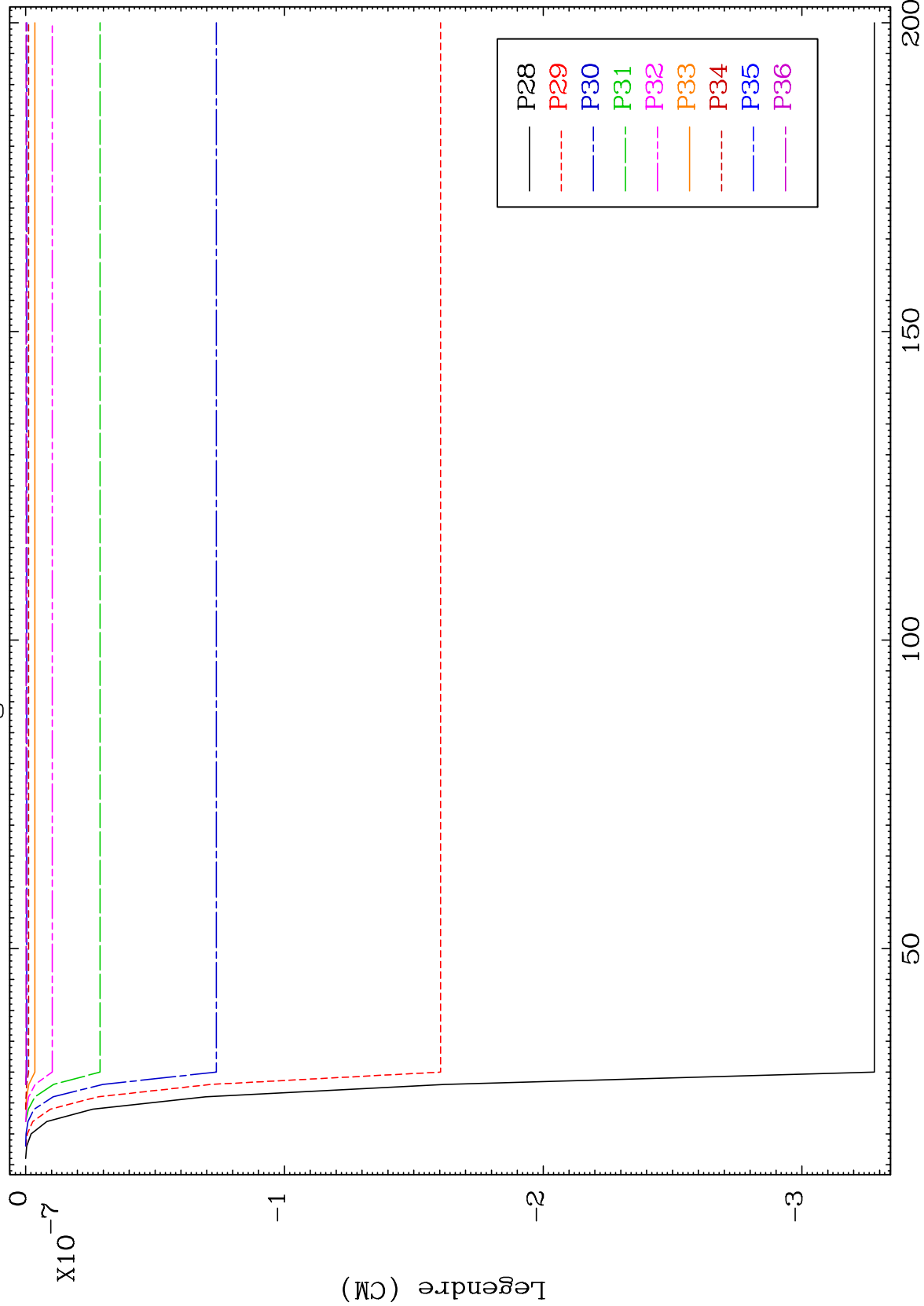
64-Gd-157



MAT 6440

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

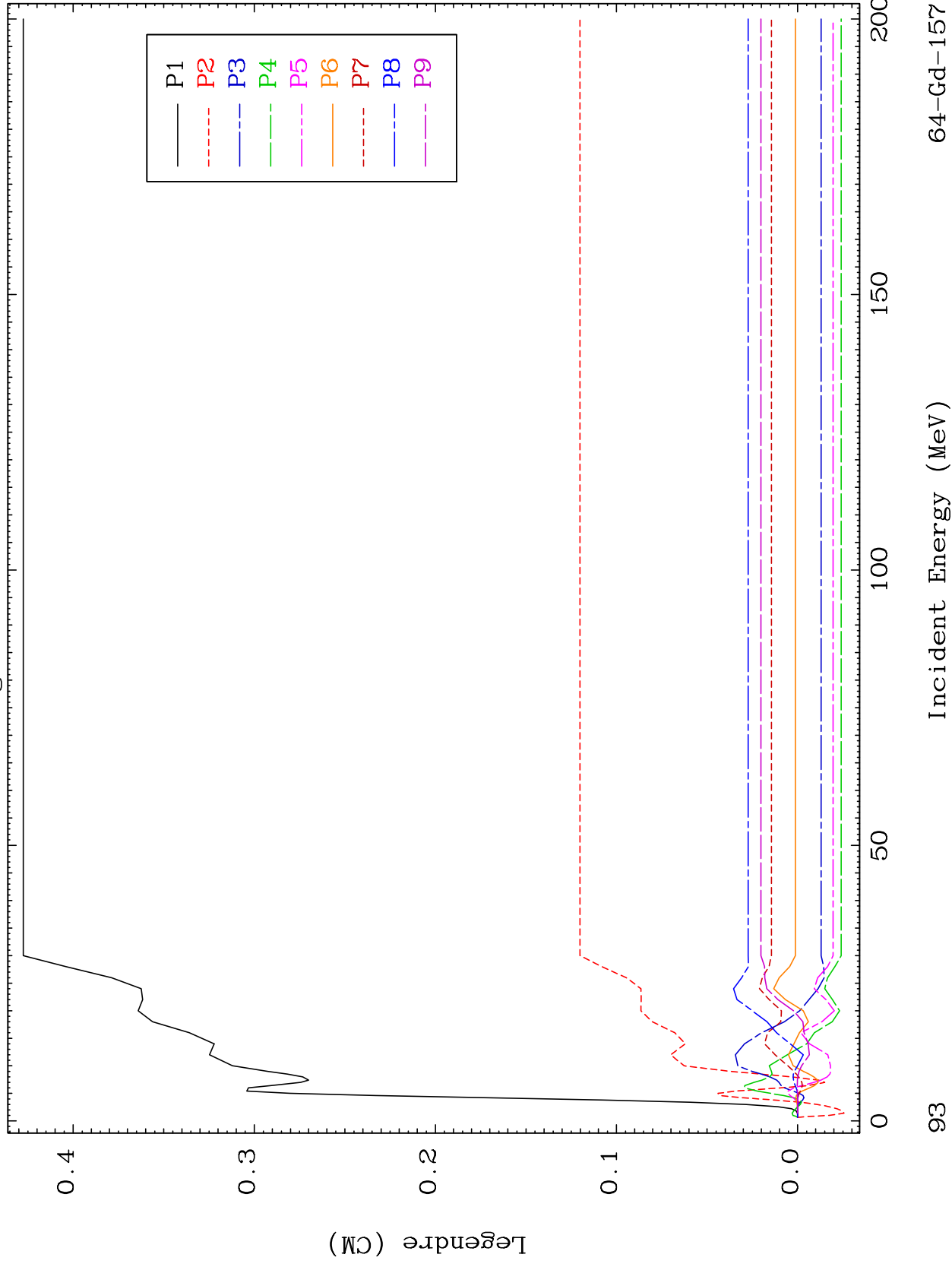
64-Gd-157



MAT 6440

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

64-Gd-157



64-Gd-157

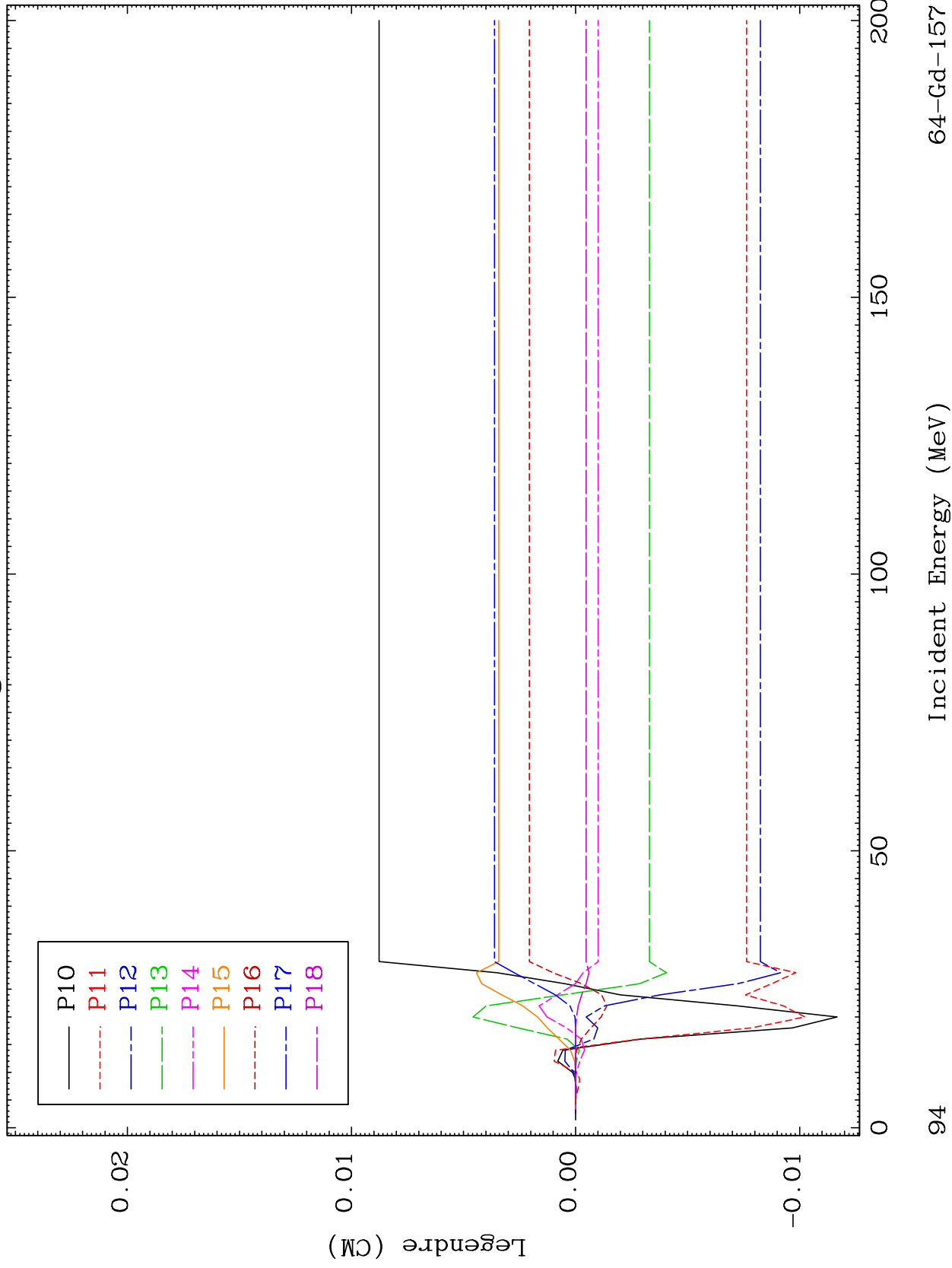
Incident Energy (MeV)

93

MAT 6440

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

64-Gd-157

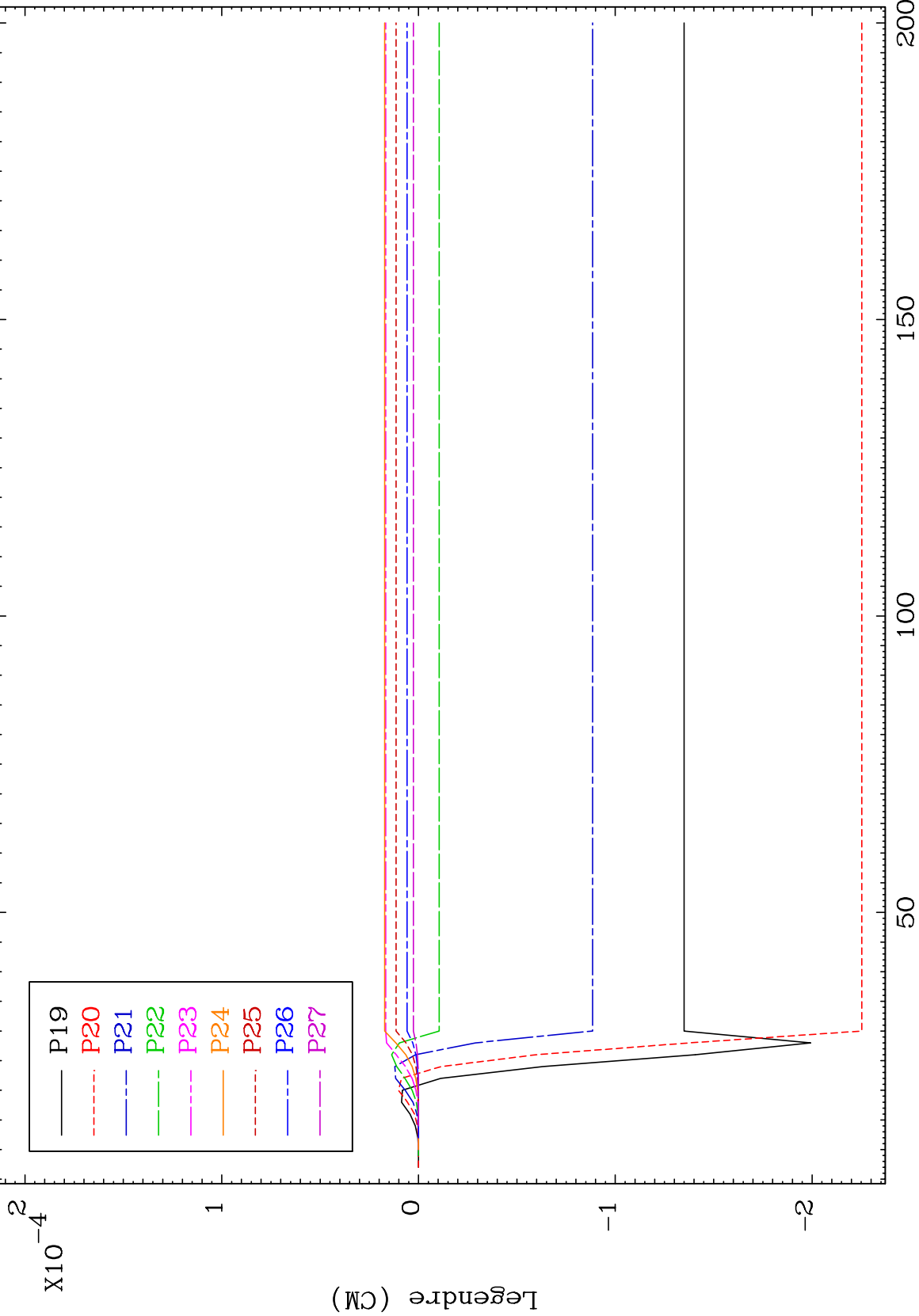


94

MAT 6440

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

64-Gd-157



95

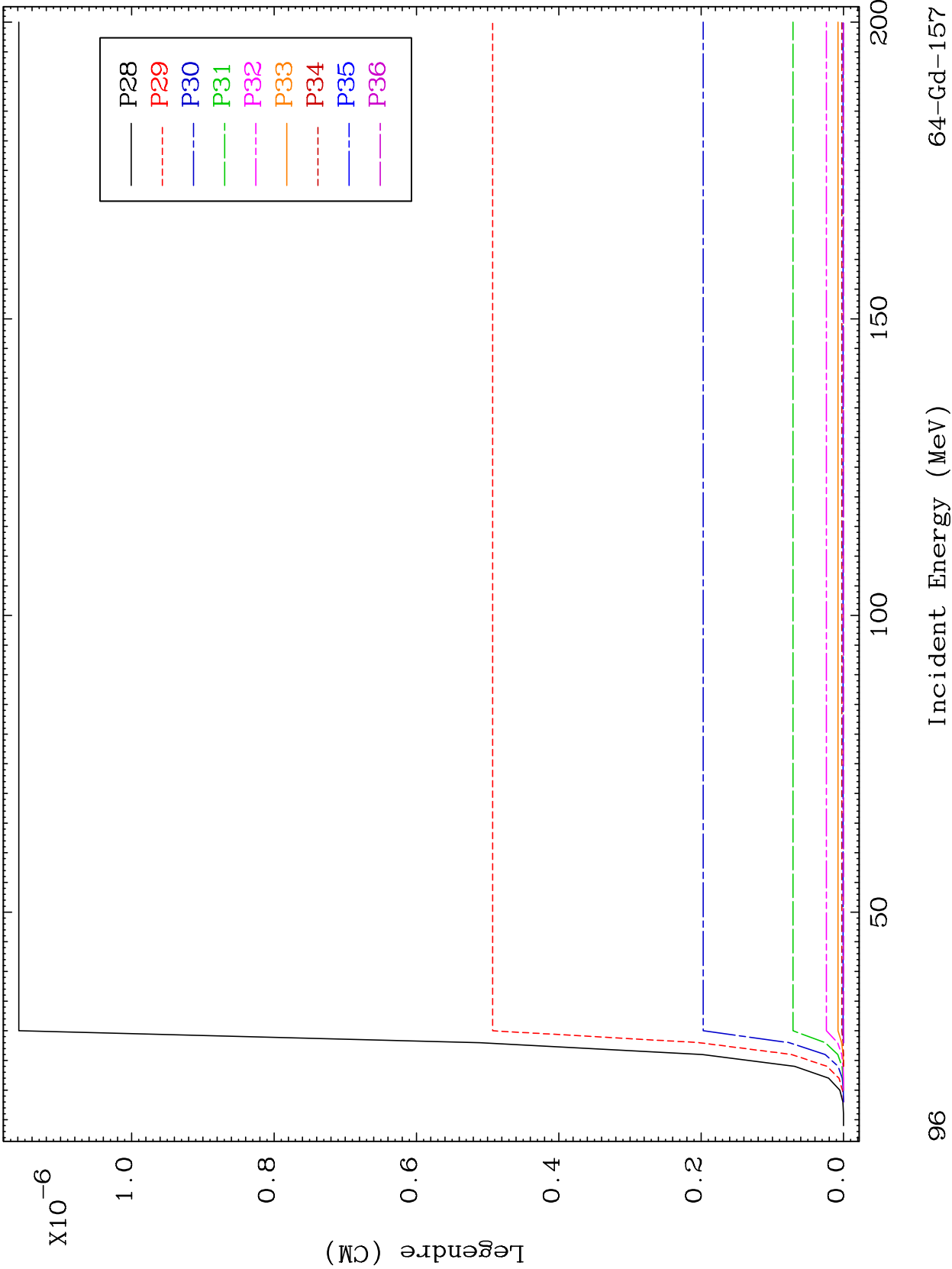
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157

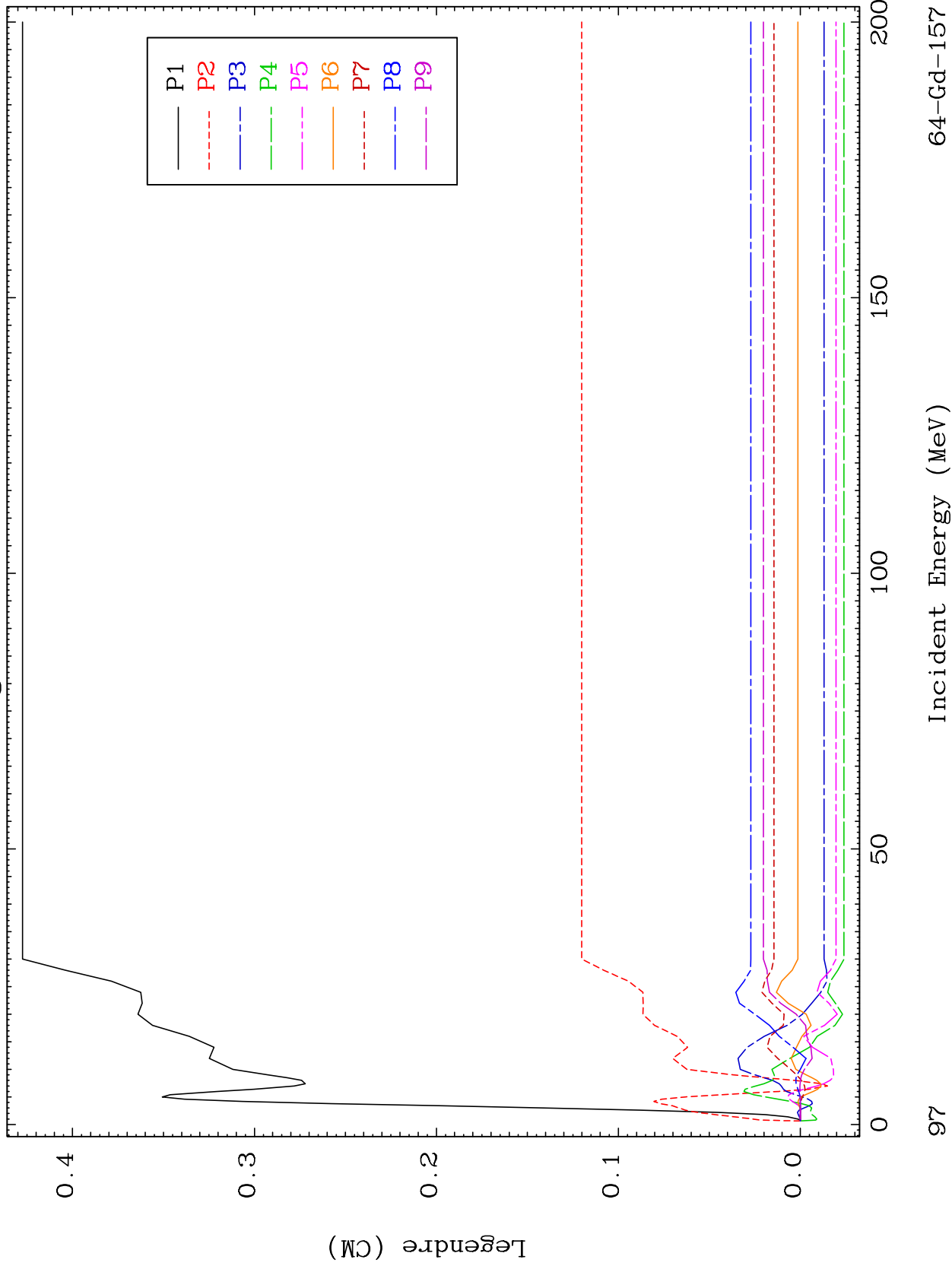


MAT 6440

MT= 74 (n,n') Level

64-Gd-157

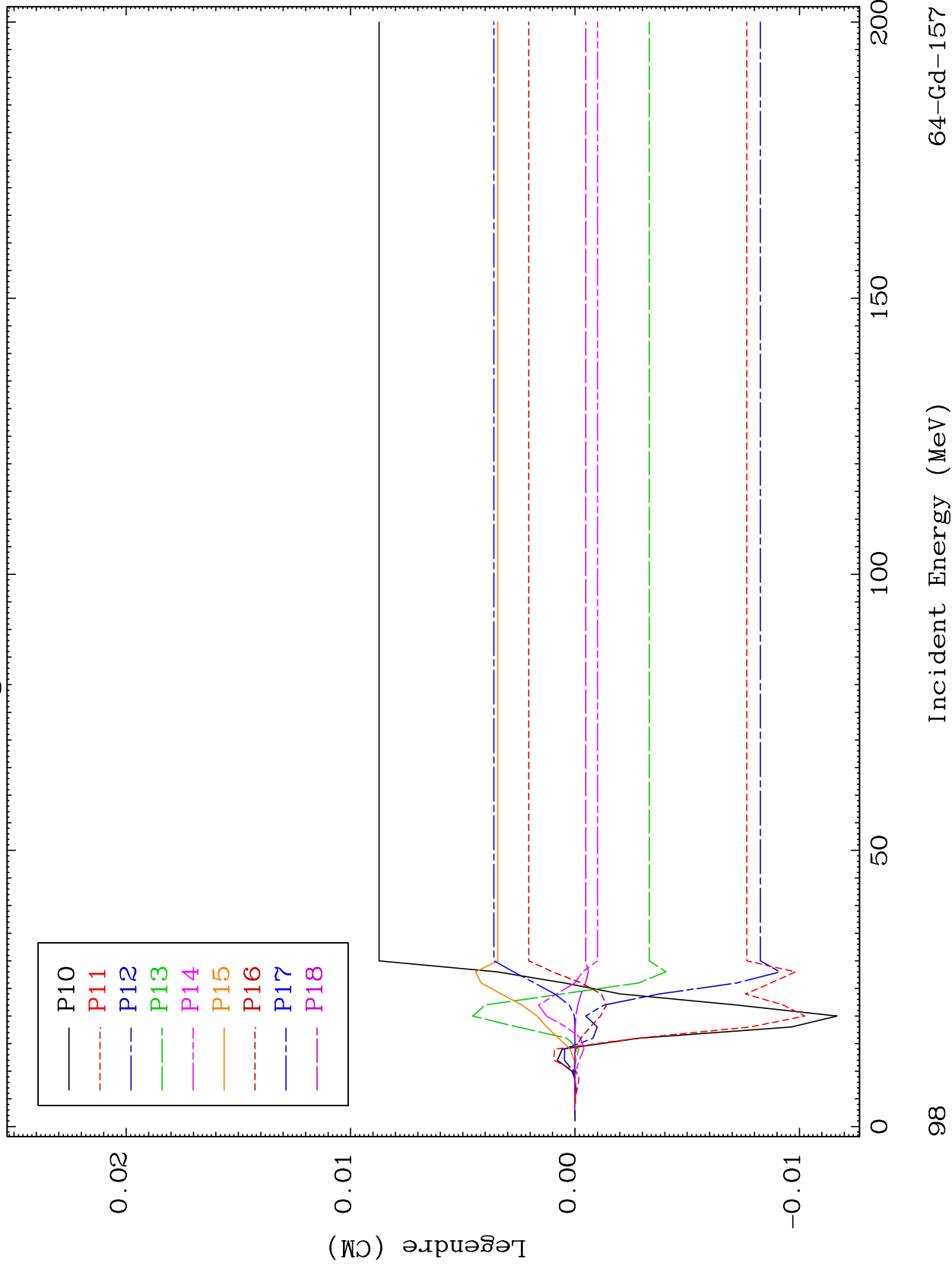
Legendre Coefficients



MAT 6440

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

64-Gd-157



98

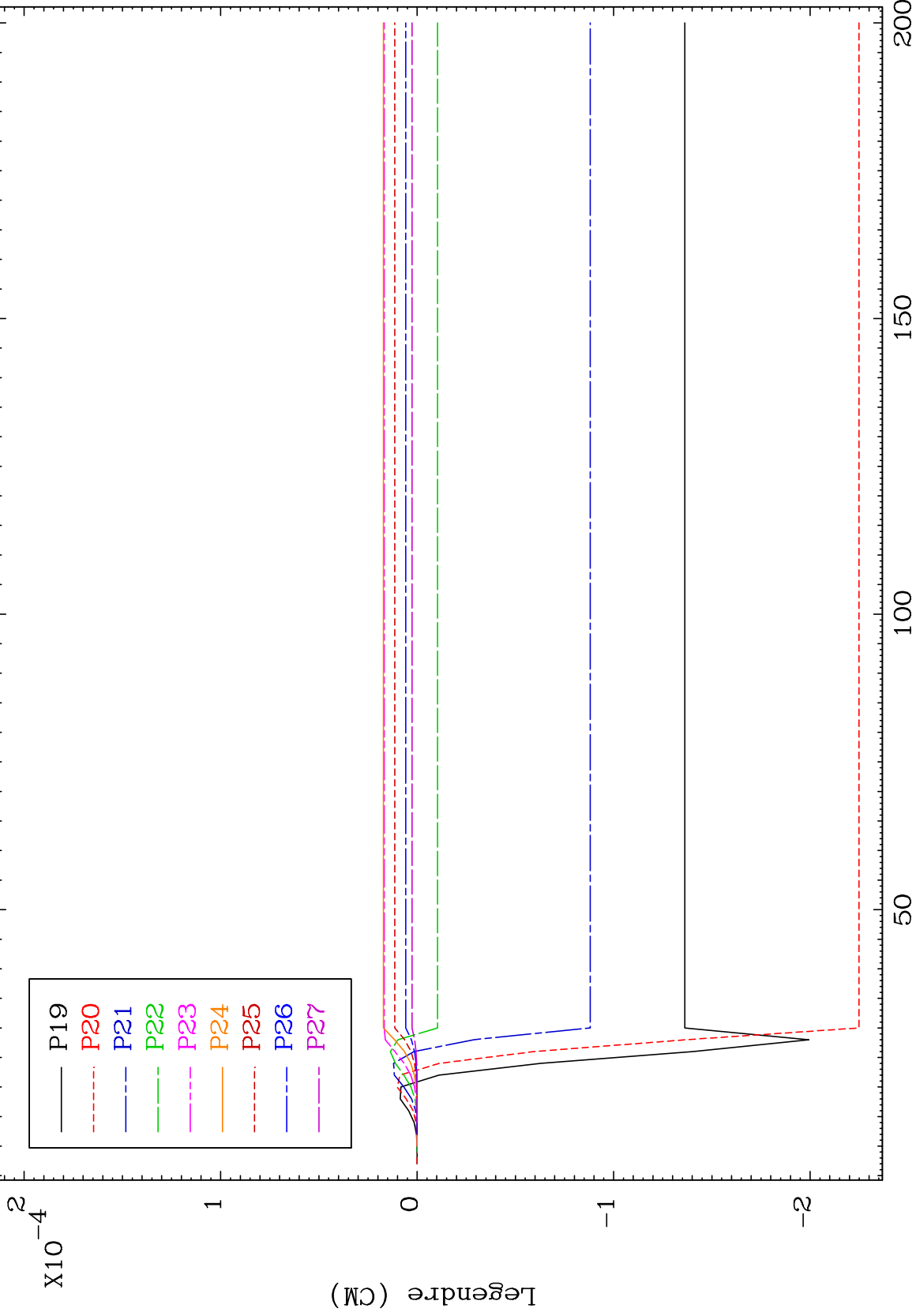
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



99

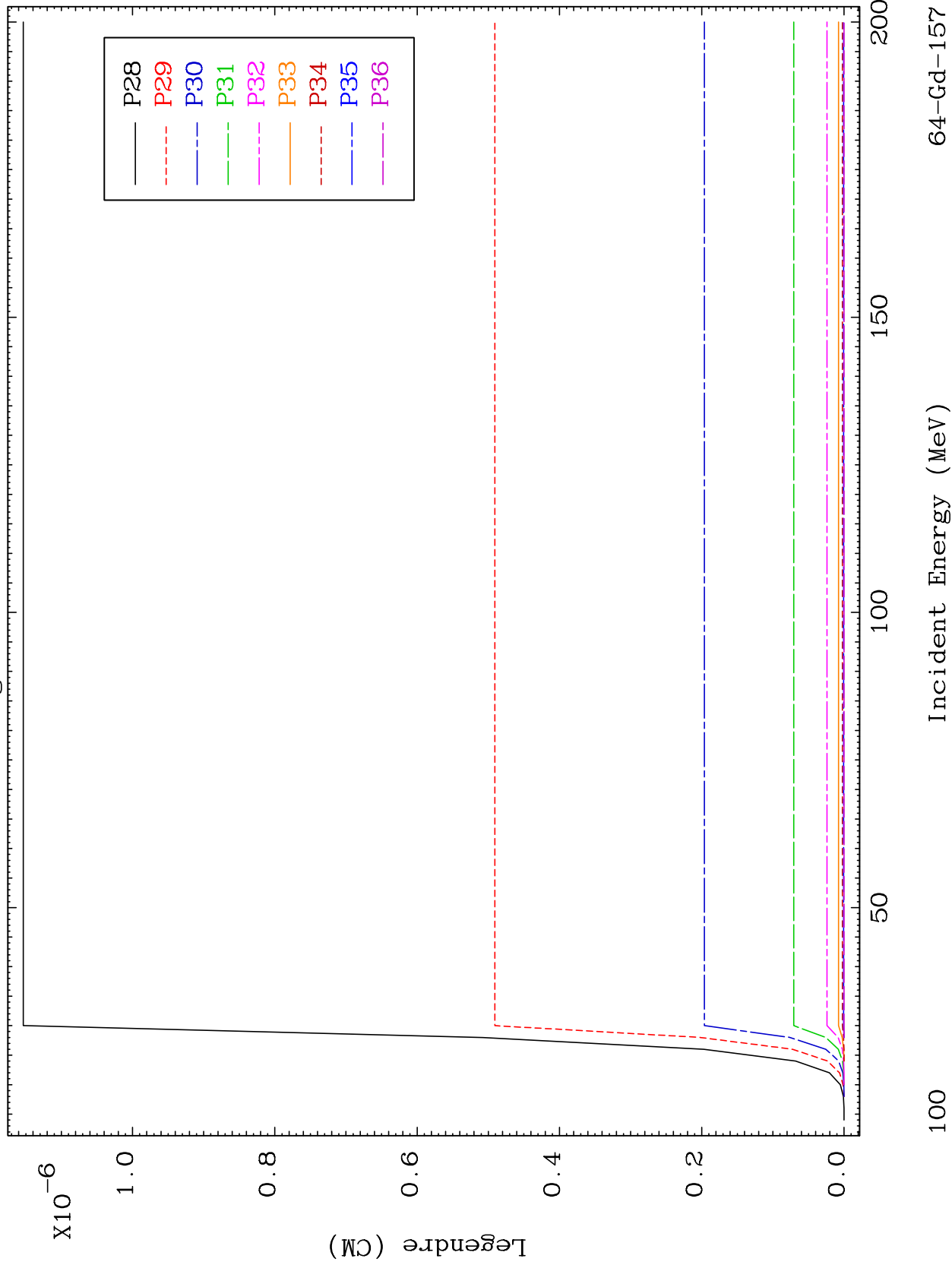
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

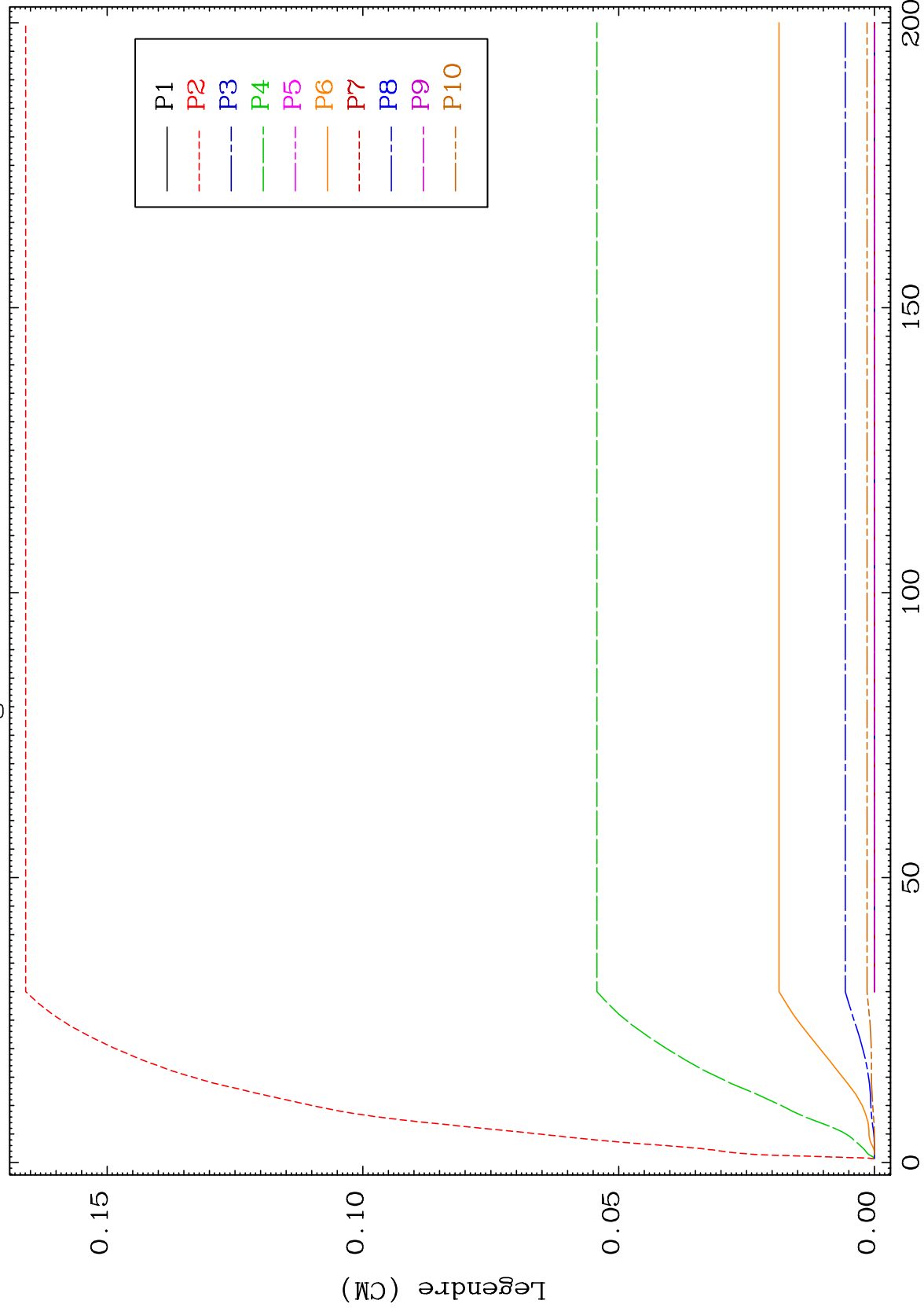
64-Gd-157



MAT 6440

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

64-Gd-157



101

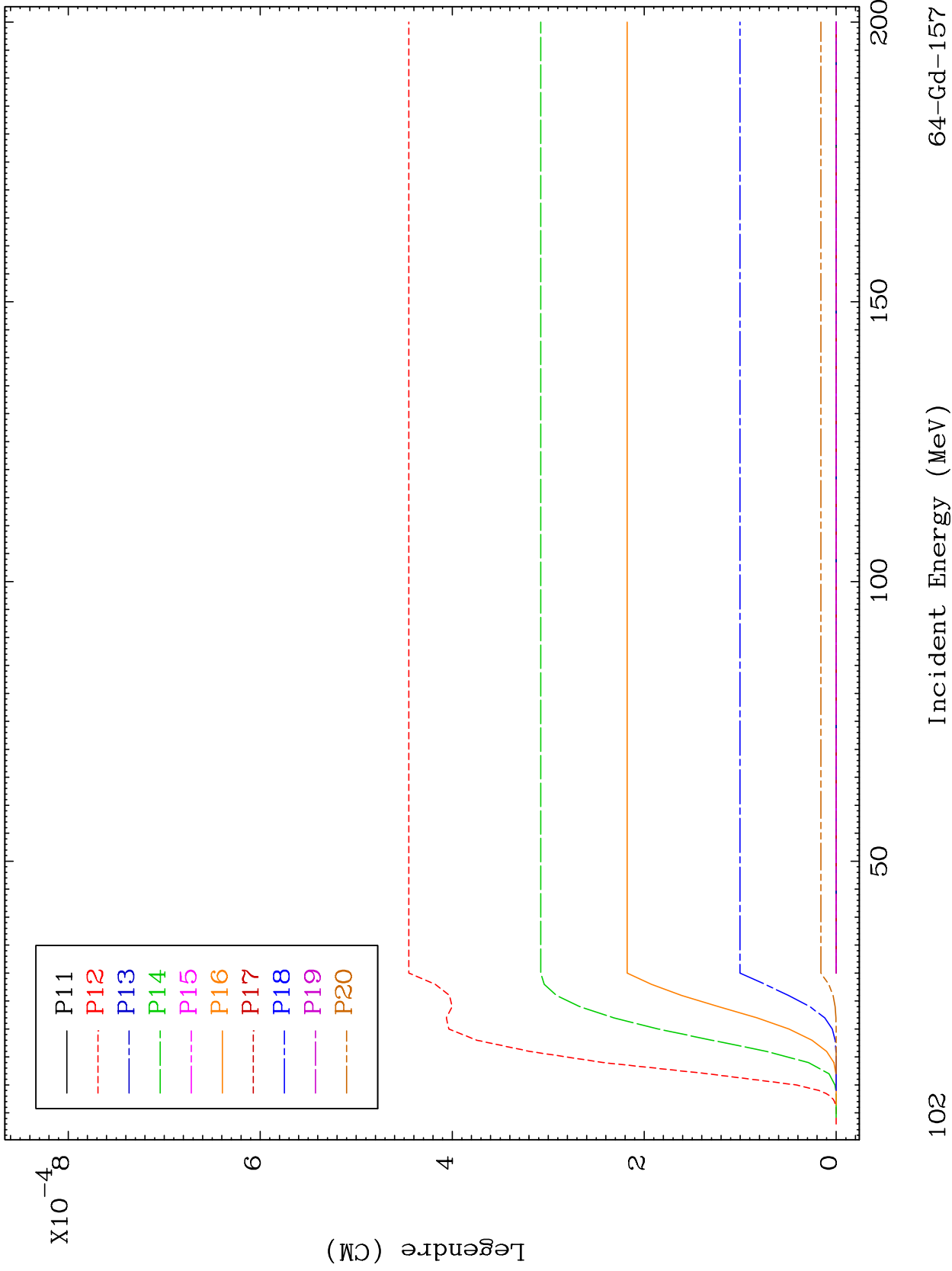
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

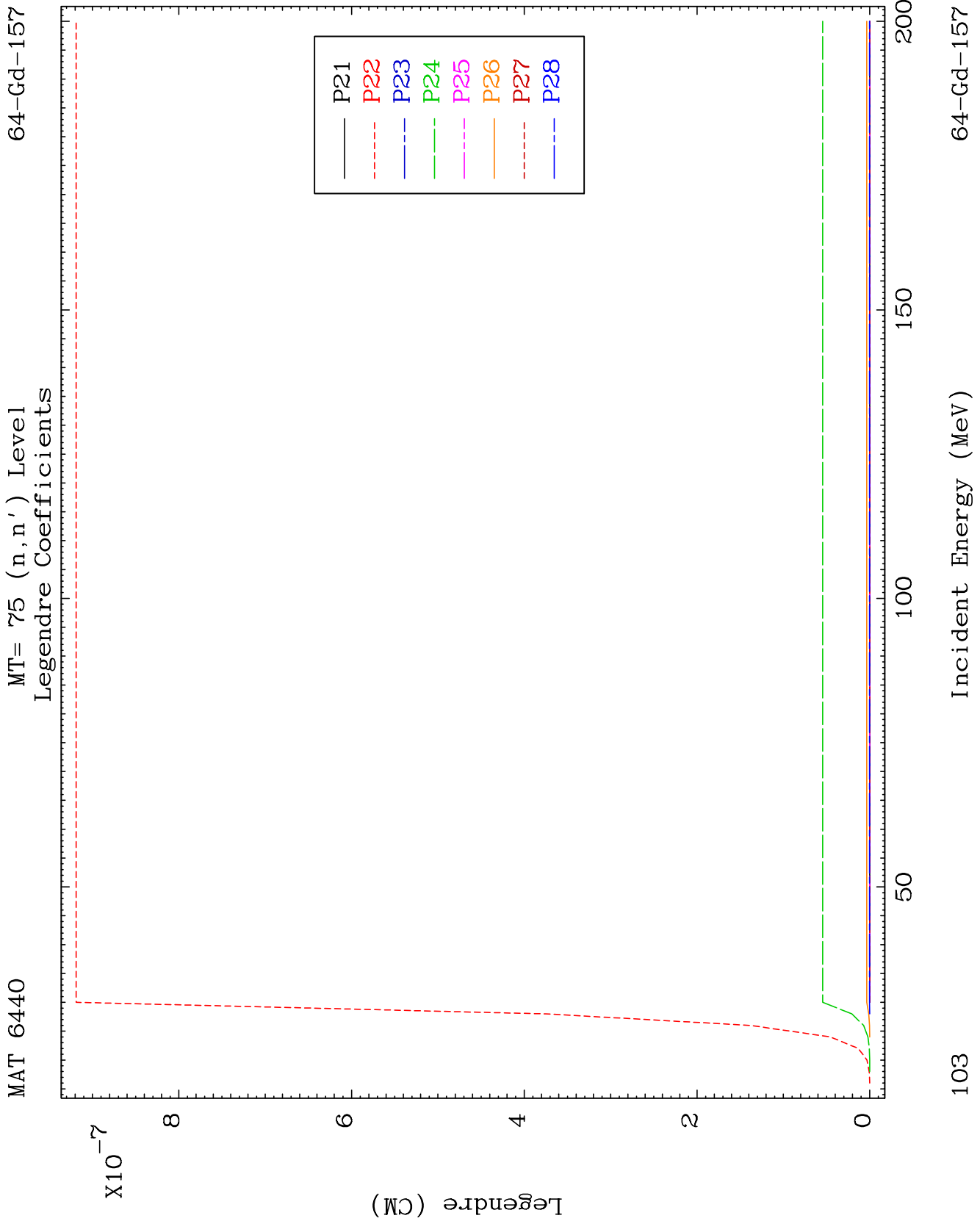
64-Gd-157



102

Incident Energy (MeV)

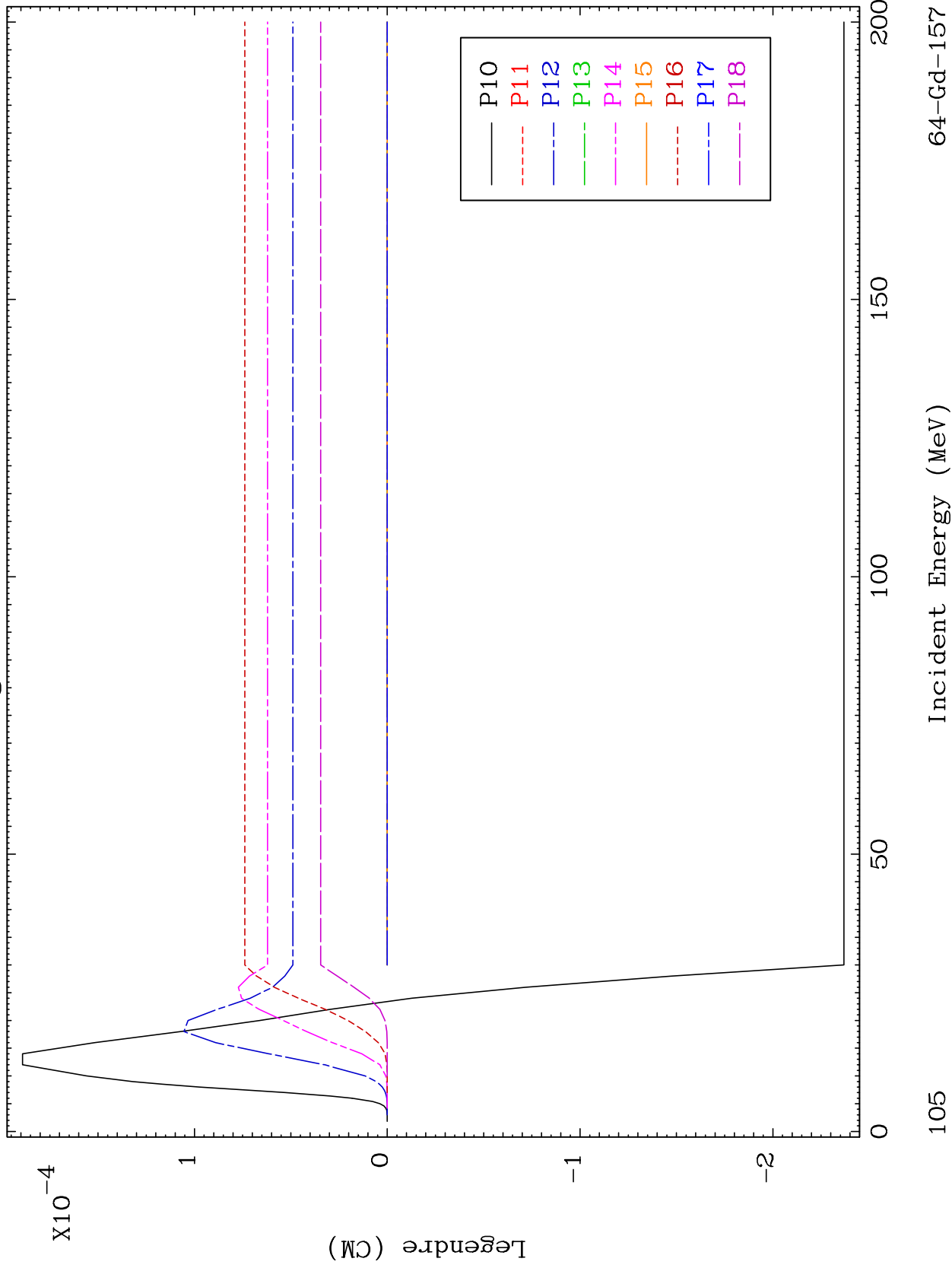
64-Gd-157



MAT 6440

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

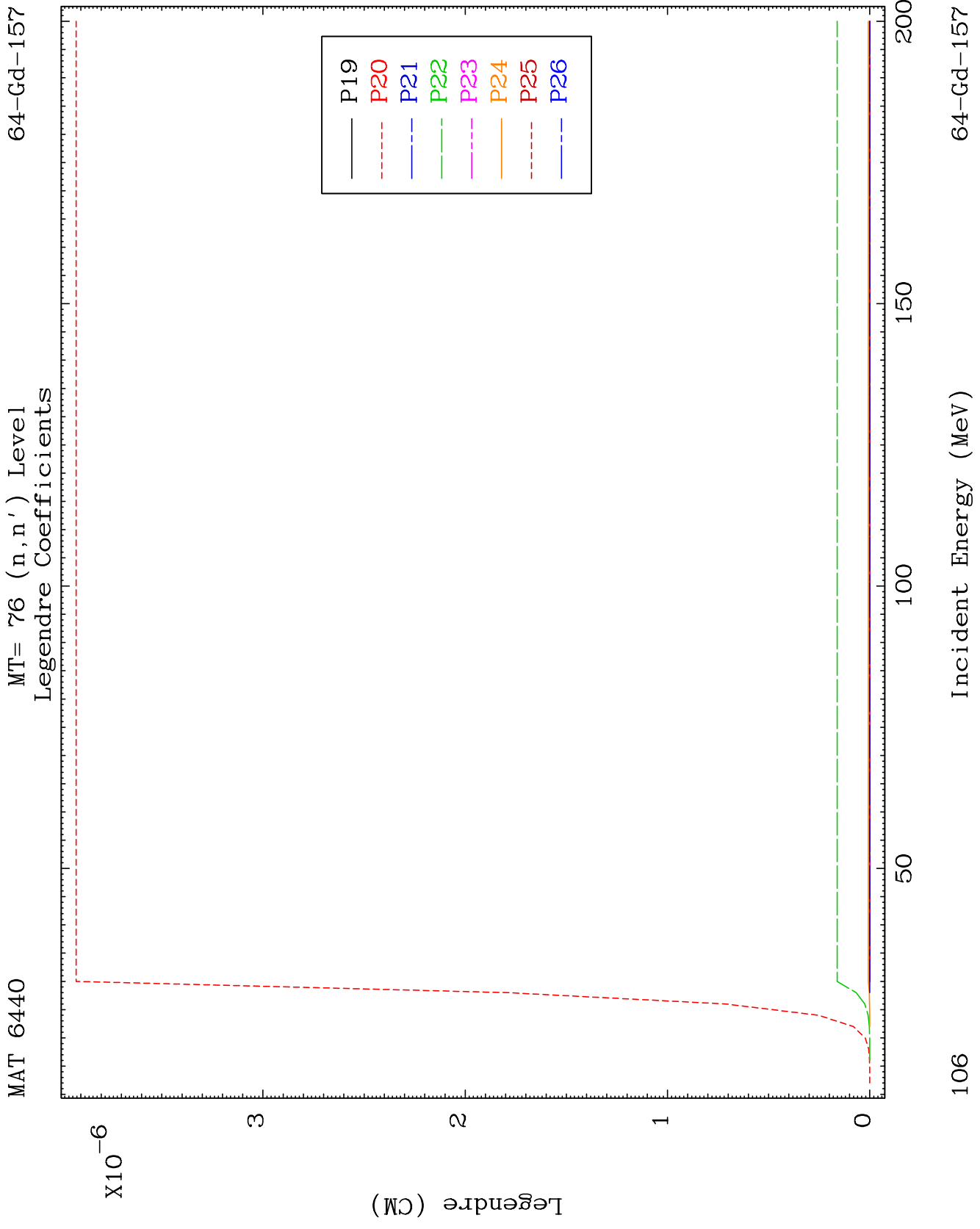
64-Gd-157



64-Gd-157

Incident Energy (MeV)

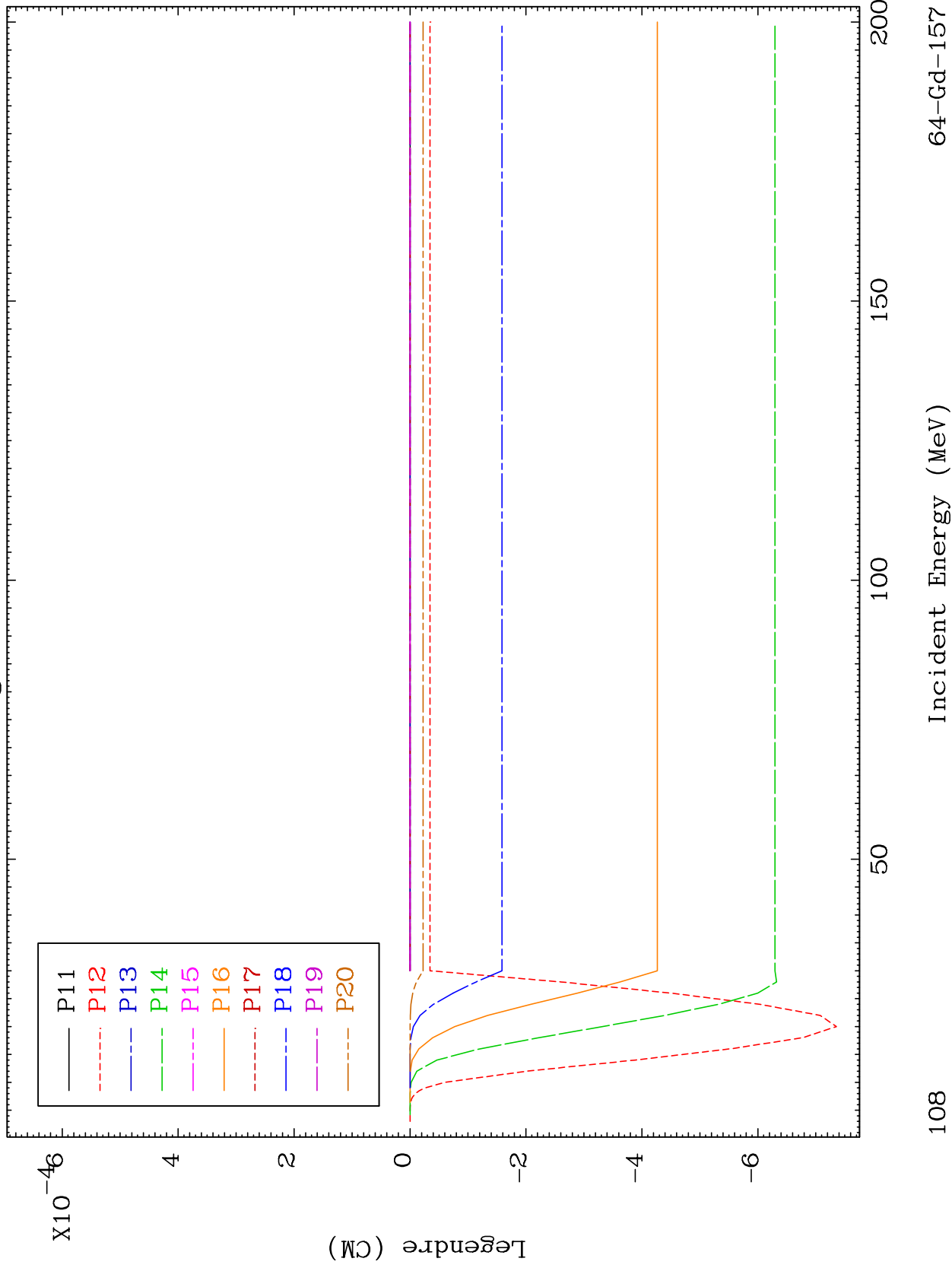
105

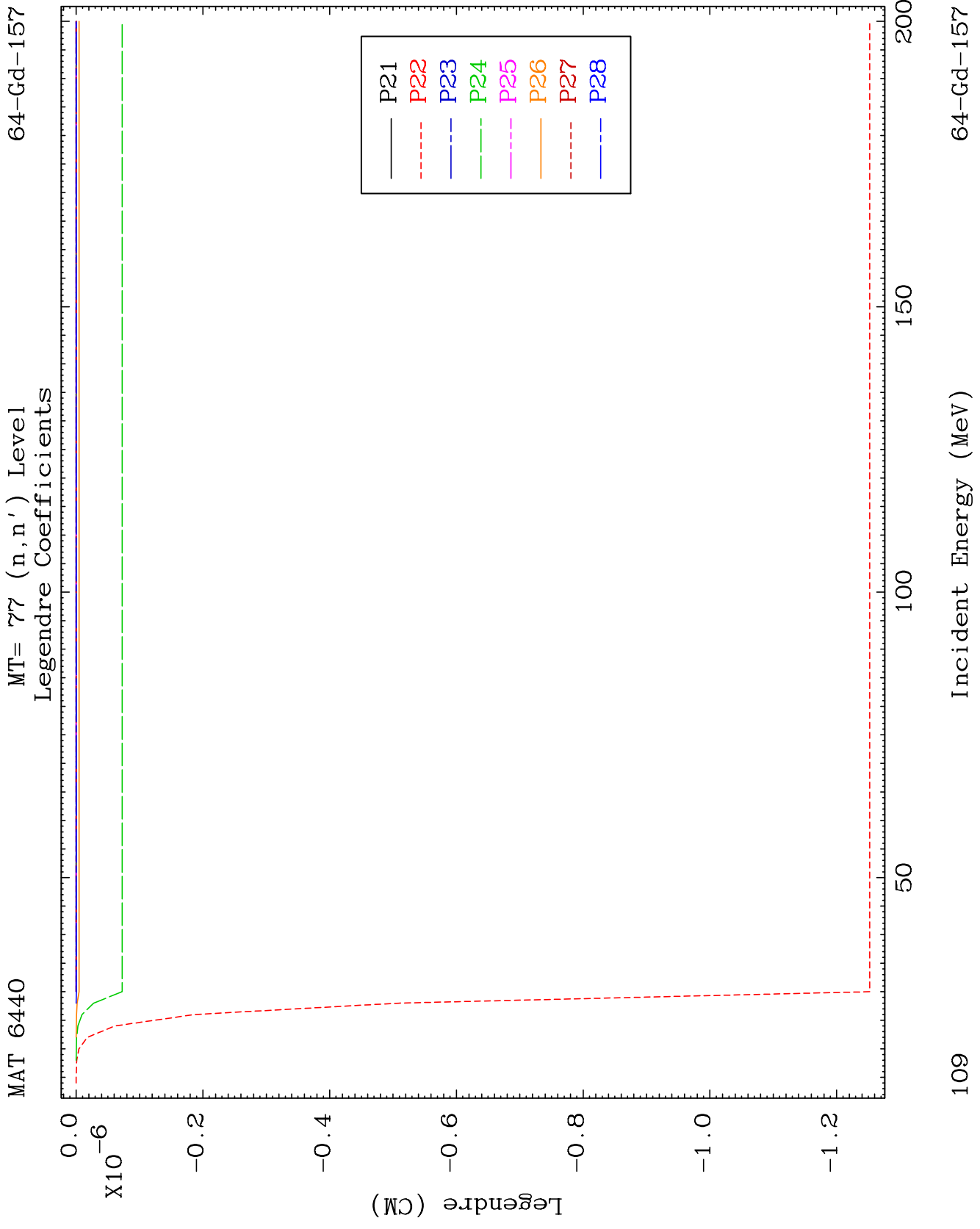


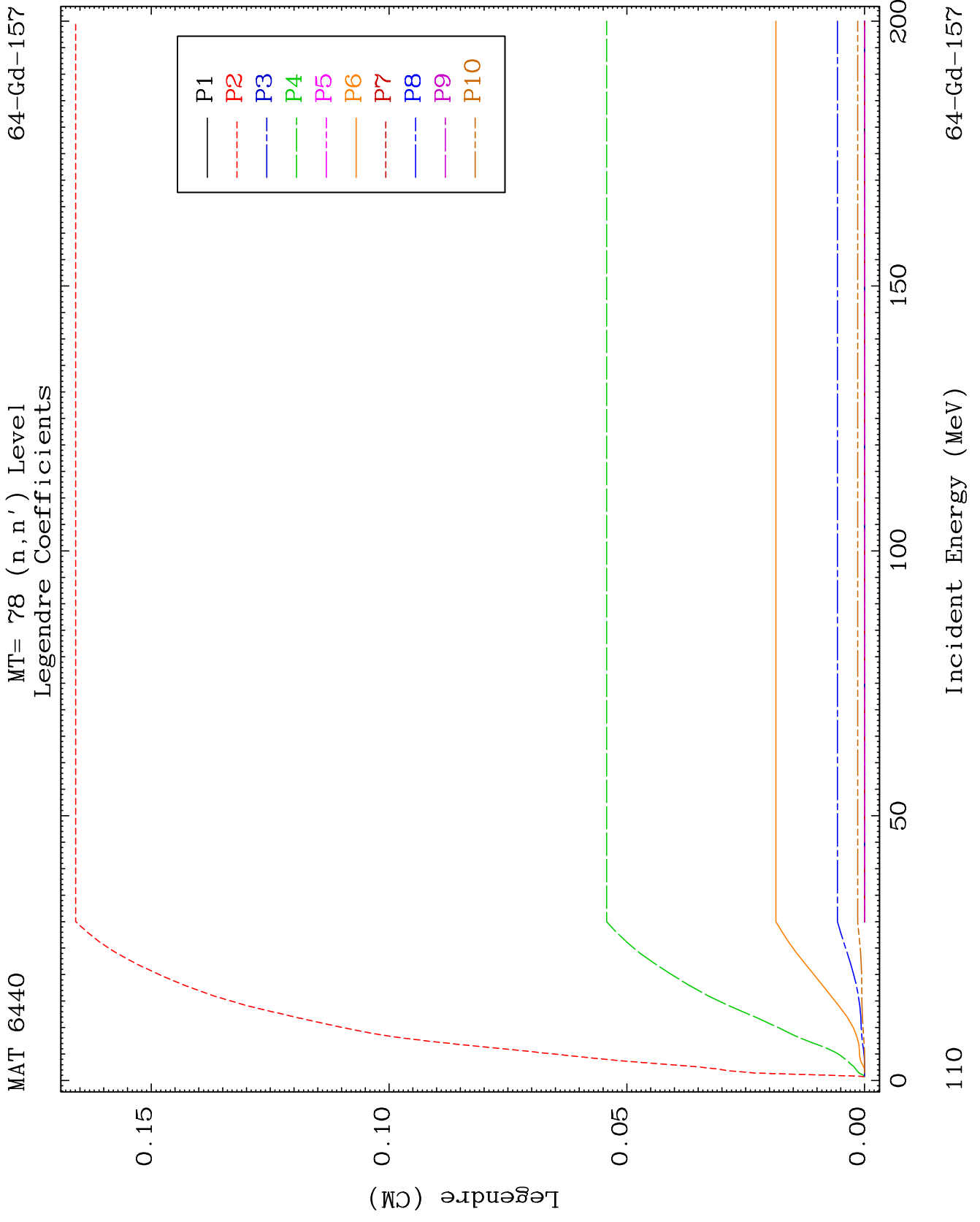
MAT 6440

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

64-Gd-157



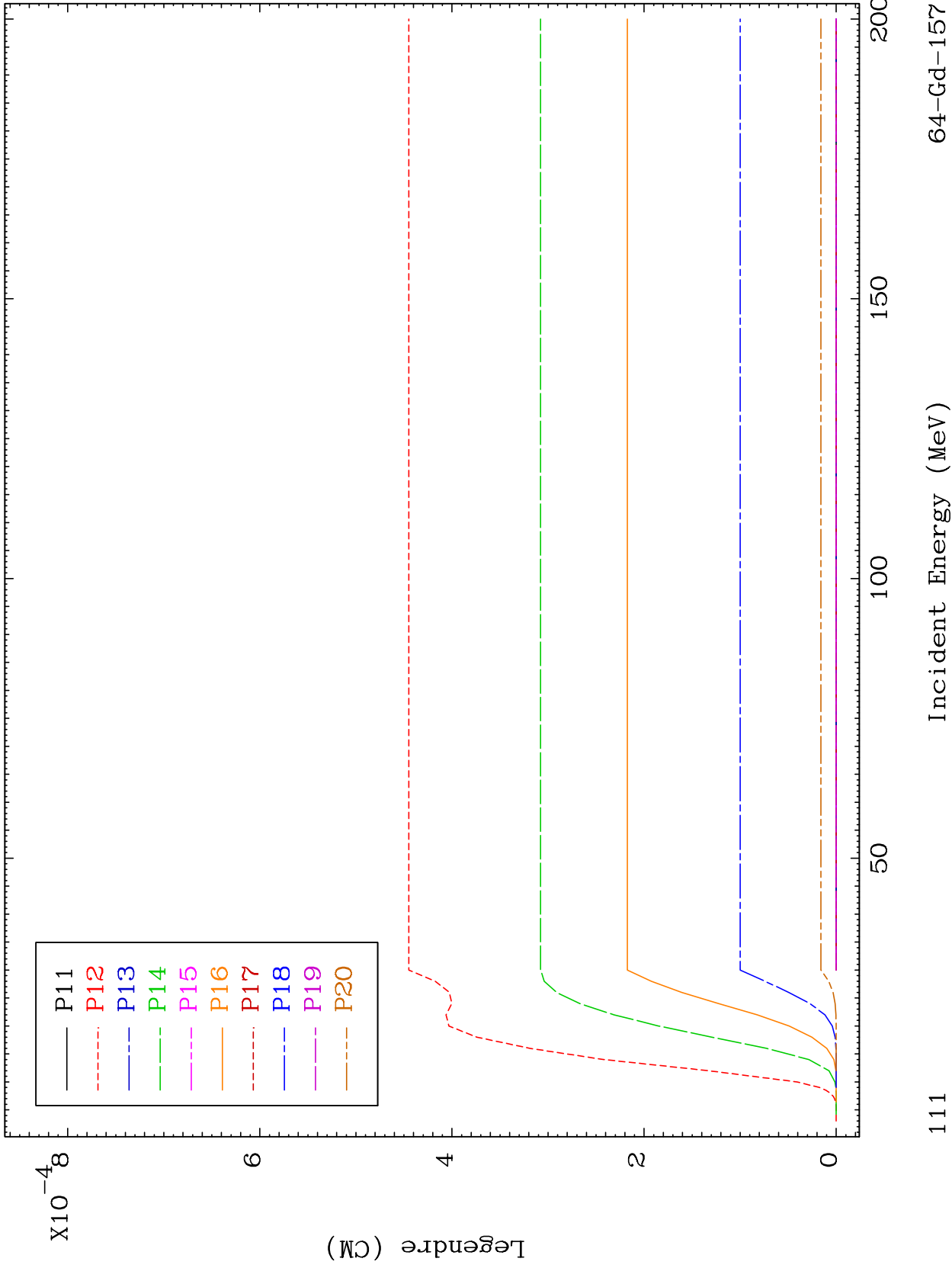




MAT 6440

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

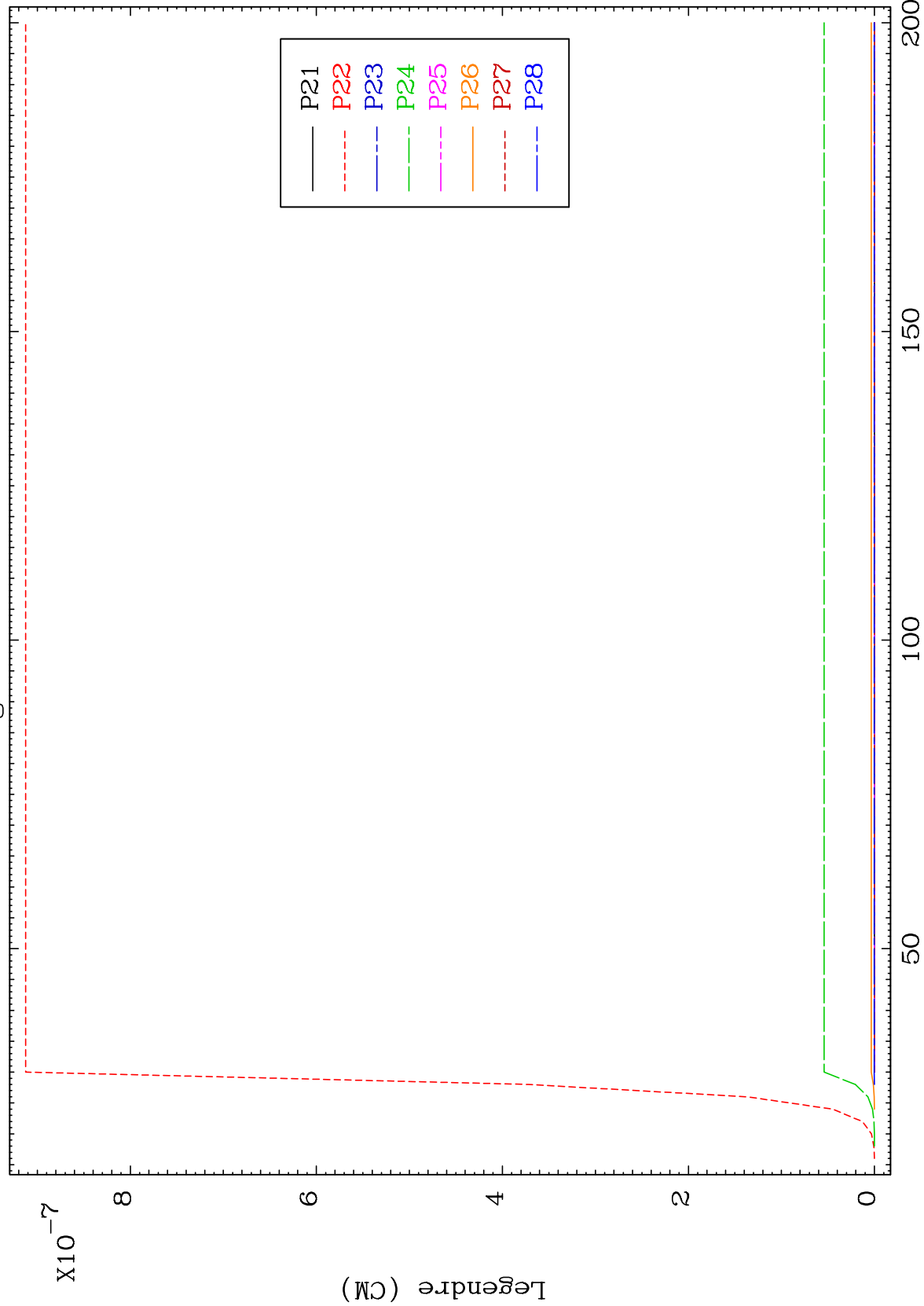
64-Gd-157



MAT 6440

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

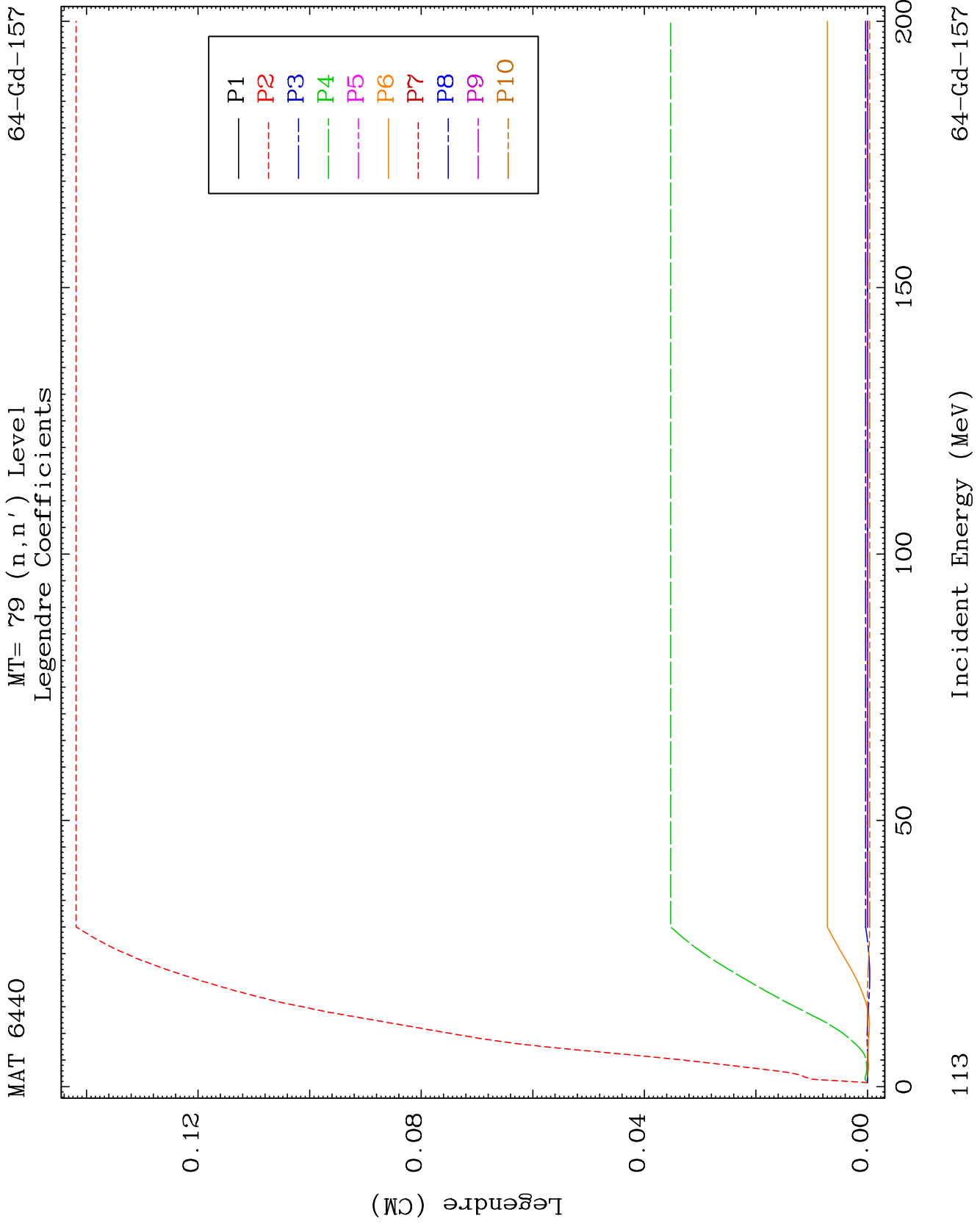
64-Gd-157



112

Incident Energy (MeV)

64-Gd-157



64-Gd-157

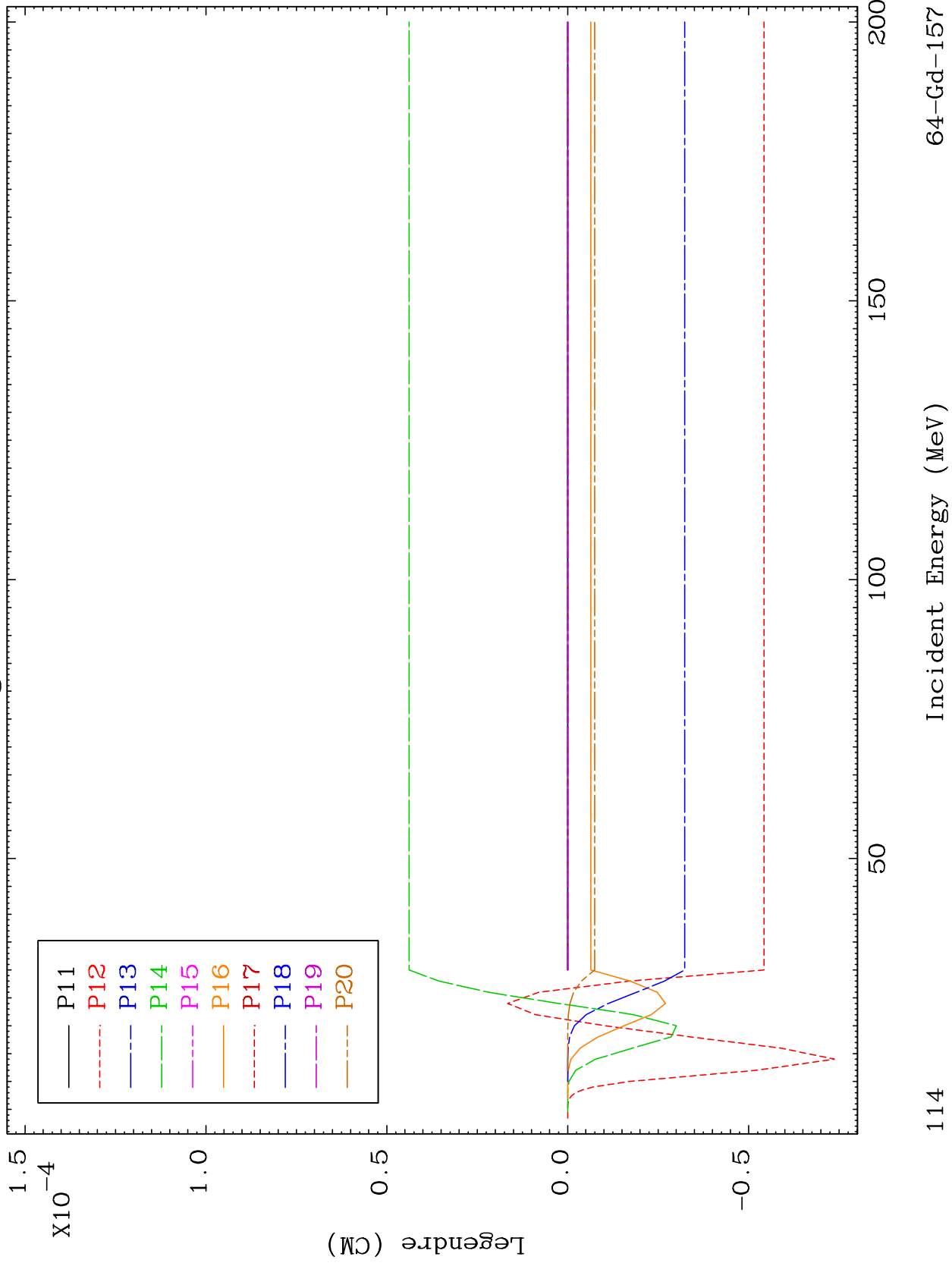
Incident Energy (MeV)

113

MAT 6440

MT= 79 (n,n') Level
Legendre Coefficients

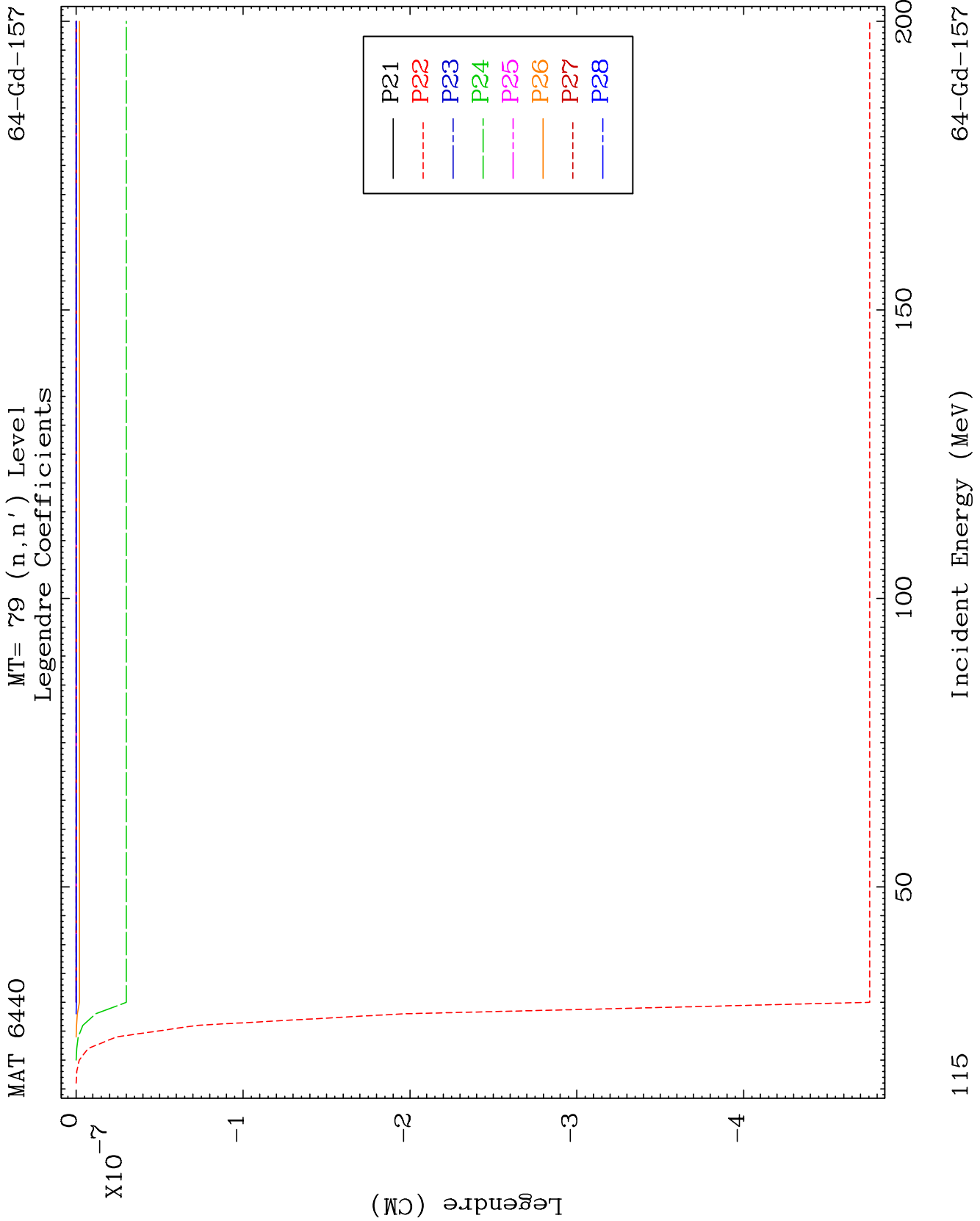
64-Gd-157

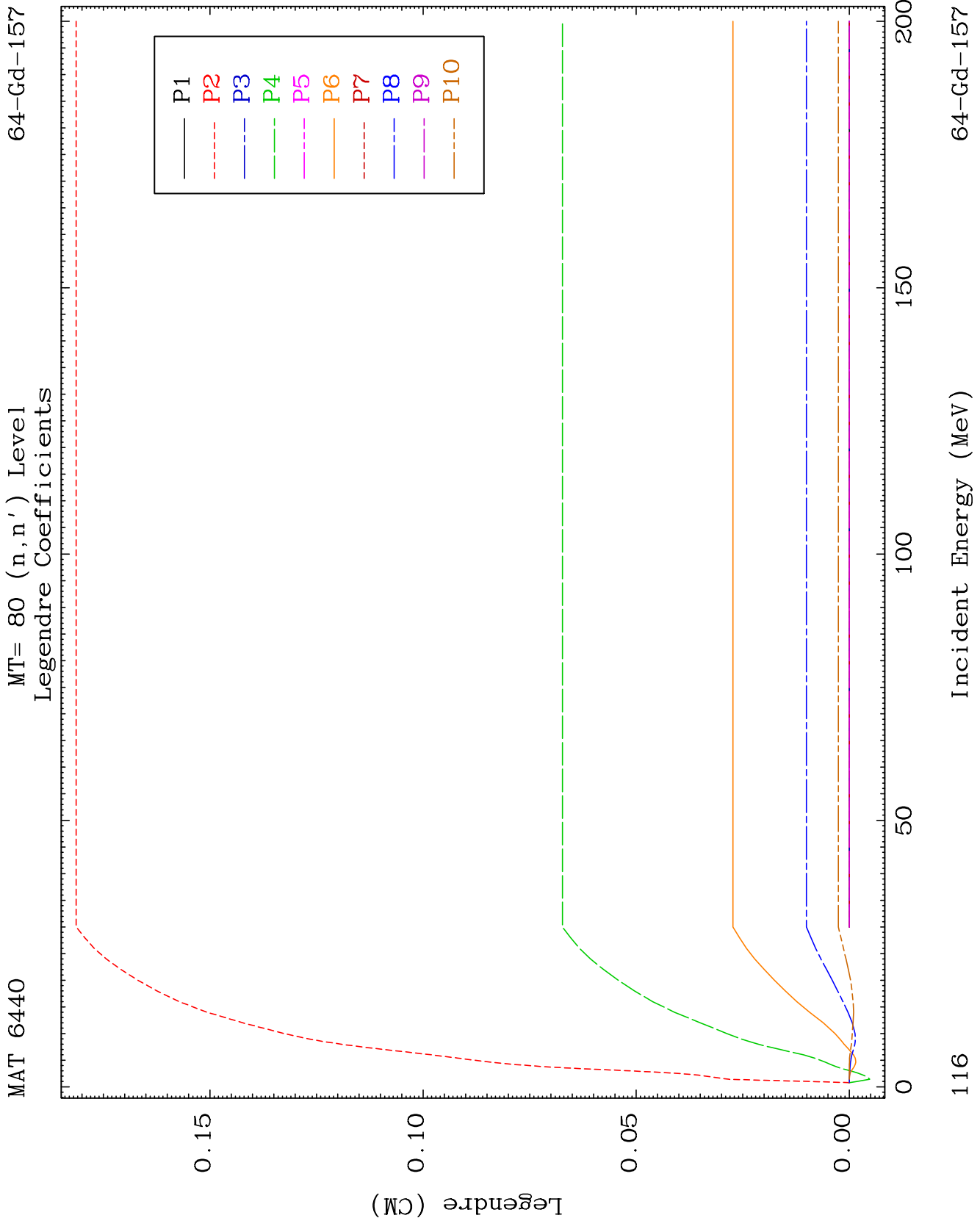


114

Incident Energy (MeV)

64-Gd-157





64-Gd-157

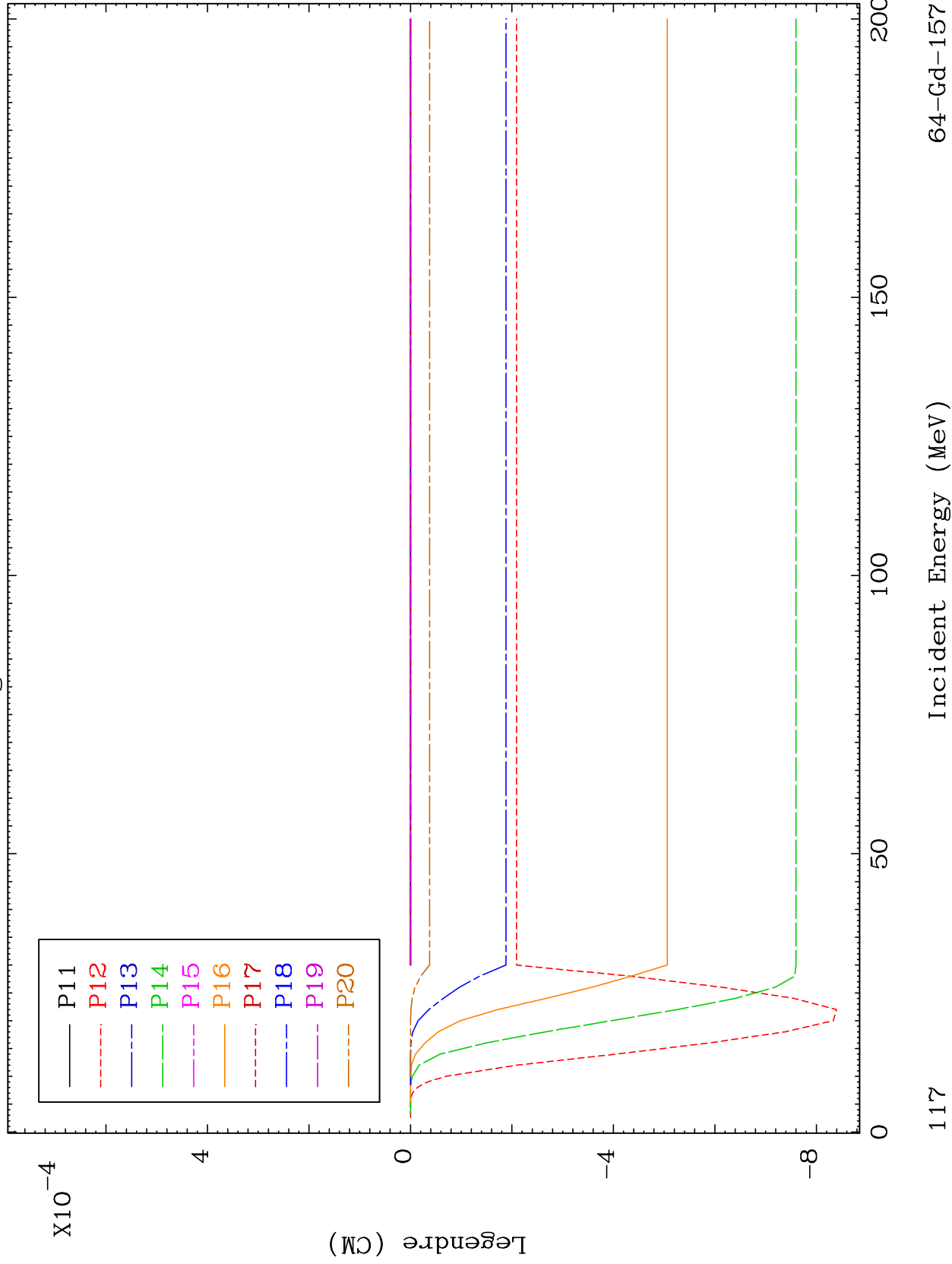
Incident Energy (MeV)

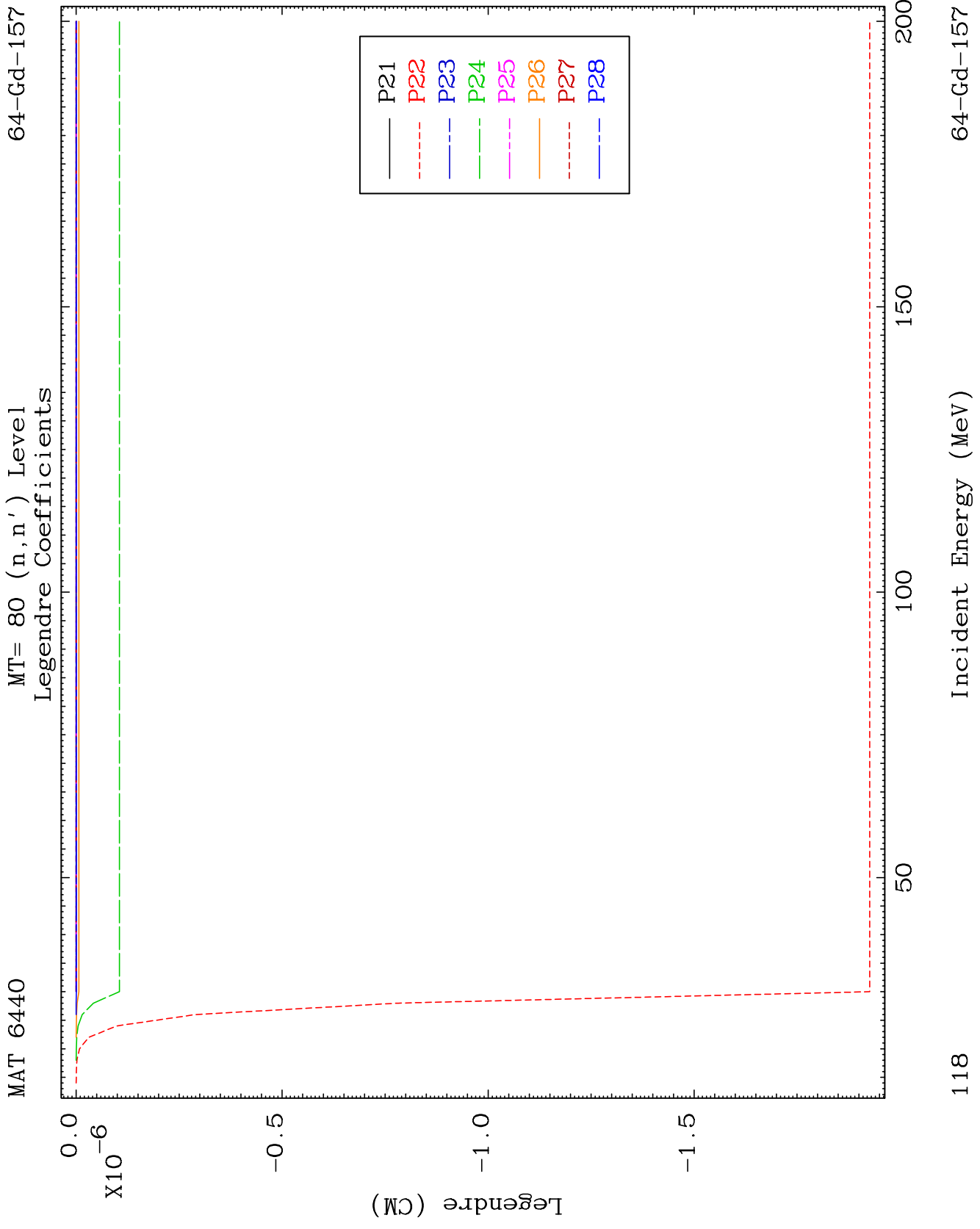
116

MAT 6440

MT= 80 (n,n') Level
Legendre Coefficients

64-Gd-157



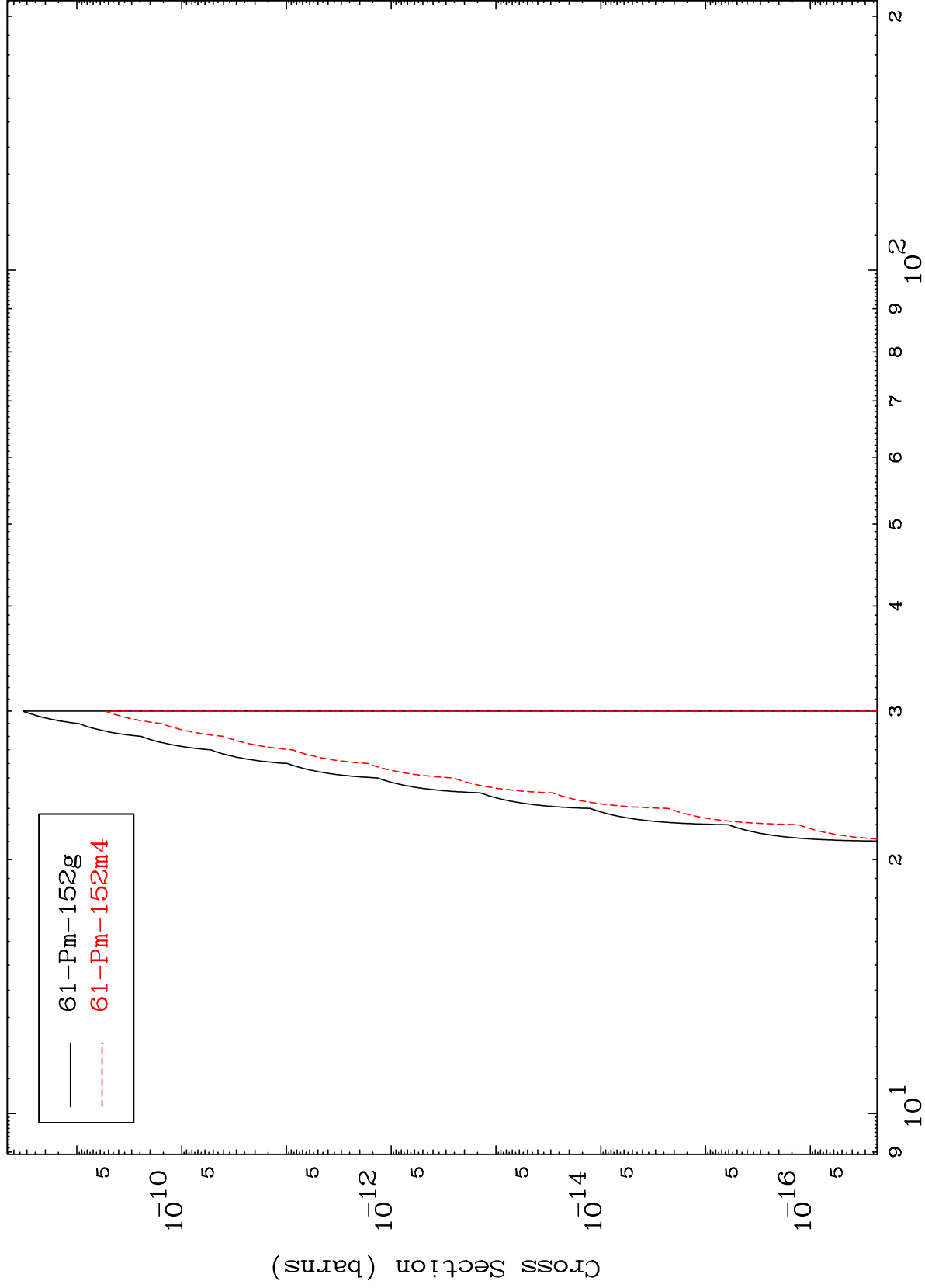


MAT 6440

(n,n') p α

64-Gd-157

Radionuclide Production Cross Section



119

Incident Energy (MeV)

64-Gd-157