

Program EVALPLOT
(Version 2018-1)

by

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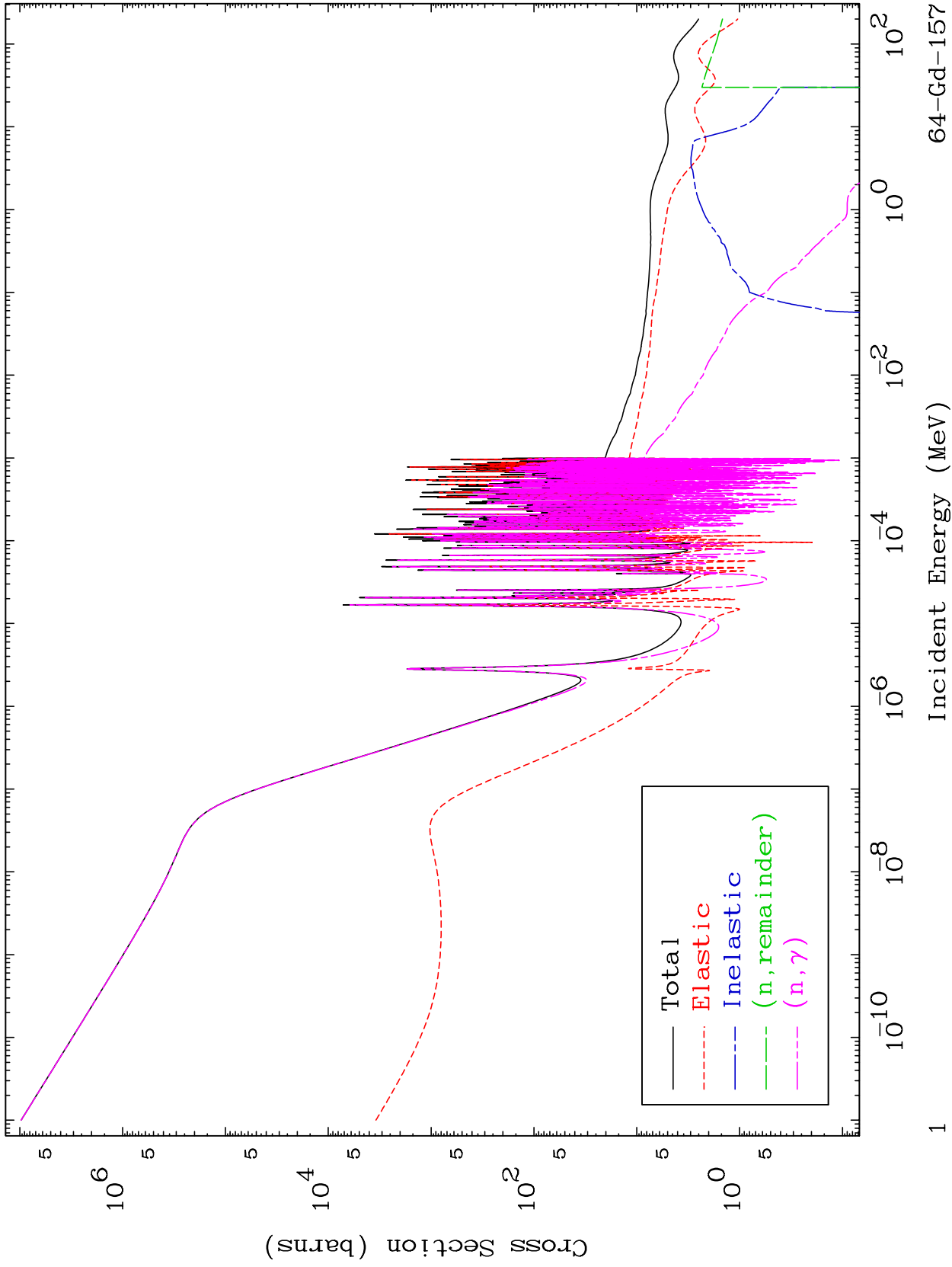
Press Mouse Button to Start

MAT 6440

Major

293 Kelvin Cross Sections

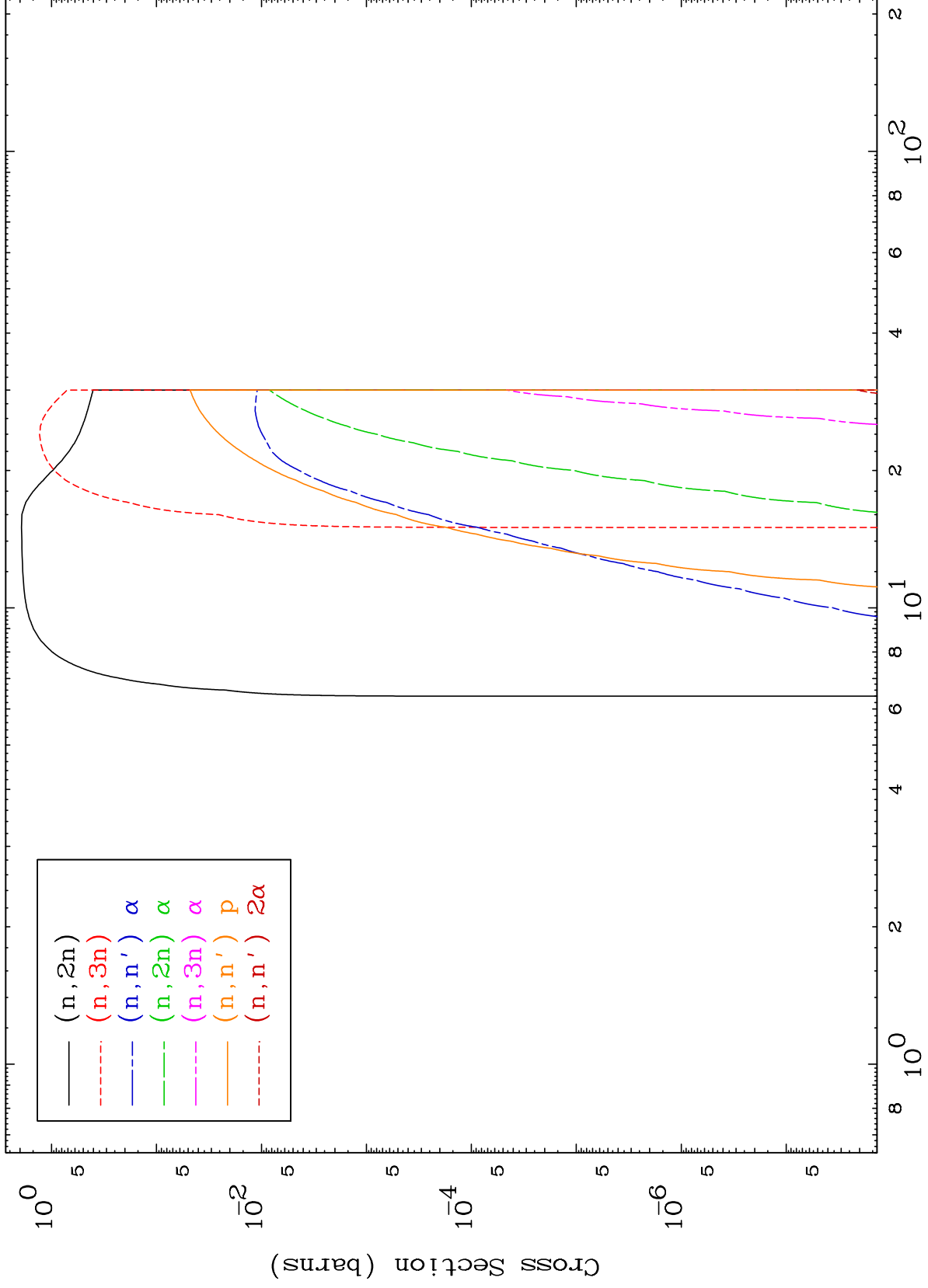
64-Gd-157



MAT 6440

Neutron Production
293 Kelvin Cross Sections

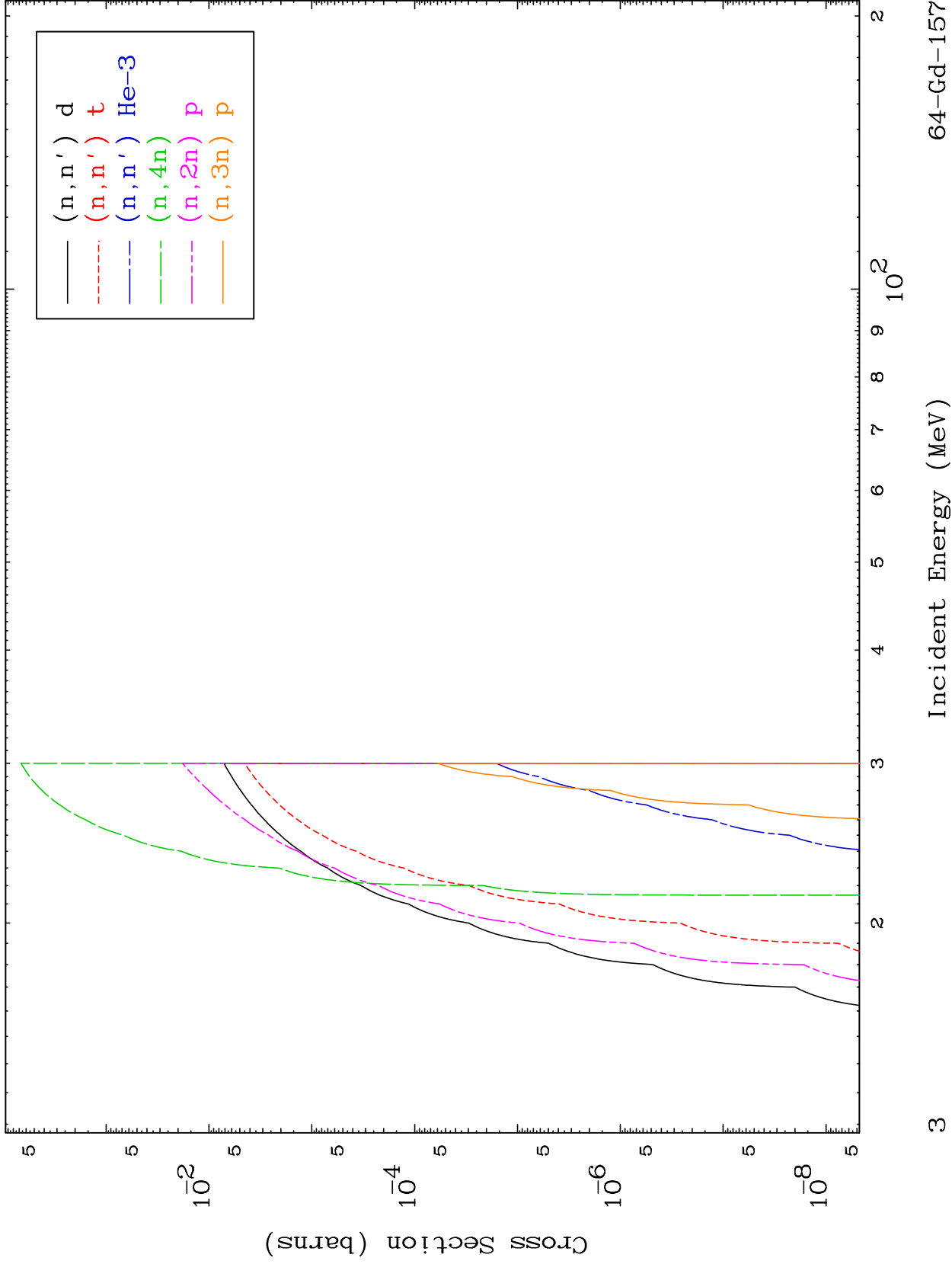
64-Gd-157



2

Incident Energy (MeV)

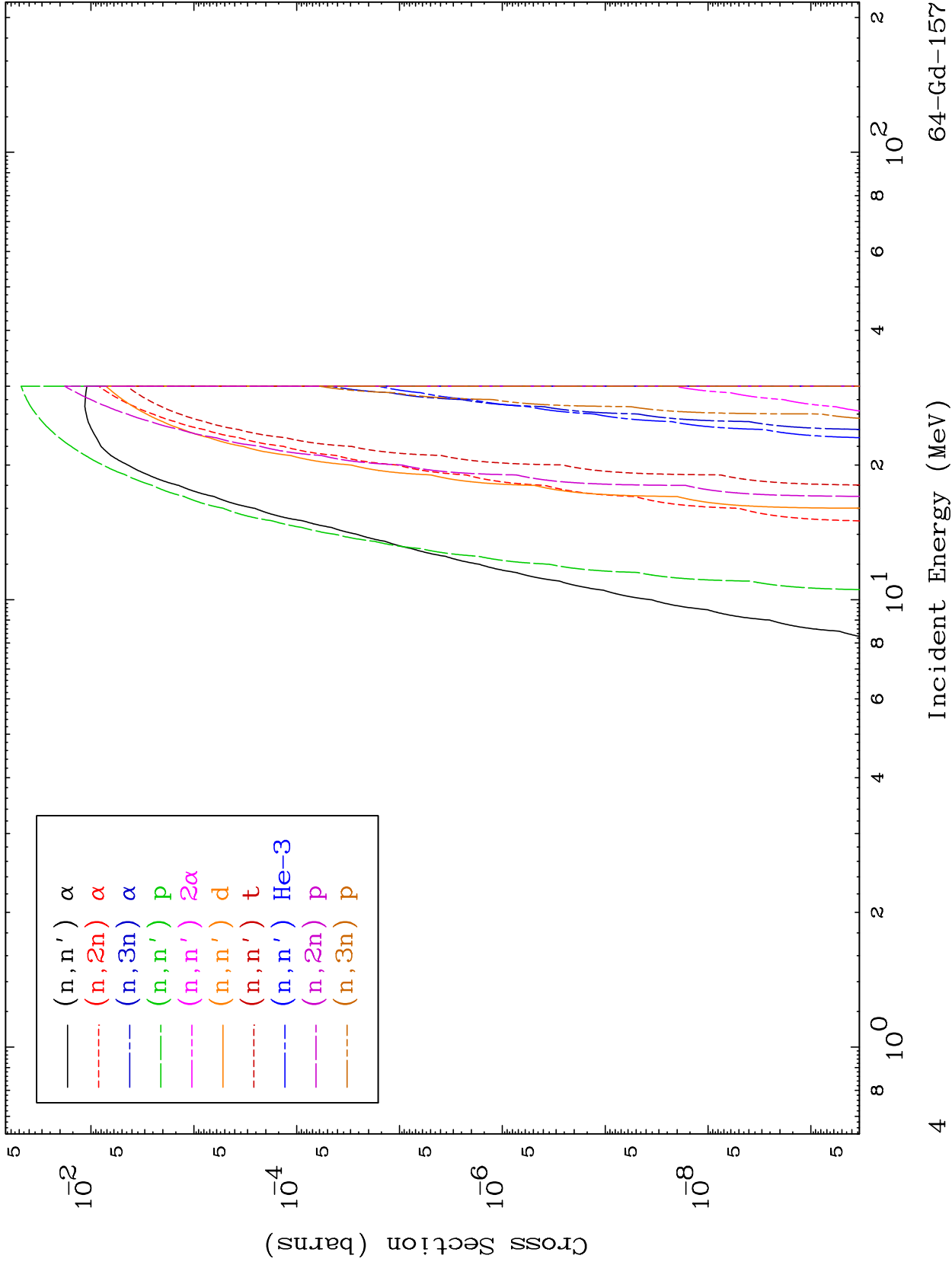
64-Gd-157



MAT 6440

Charged Particle
293 Kelvin Cross Sections

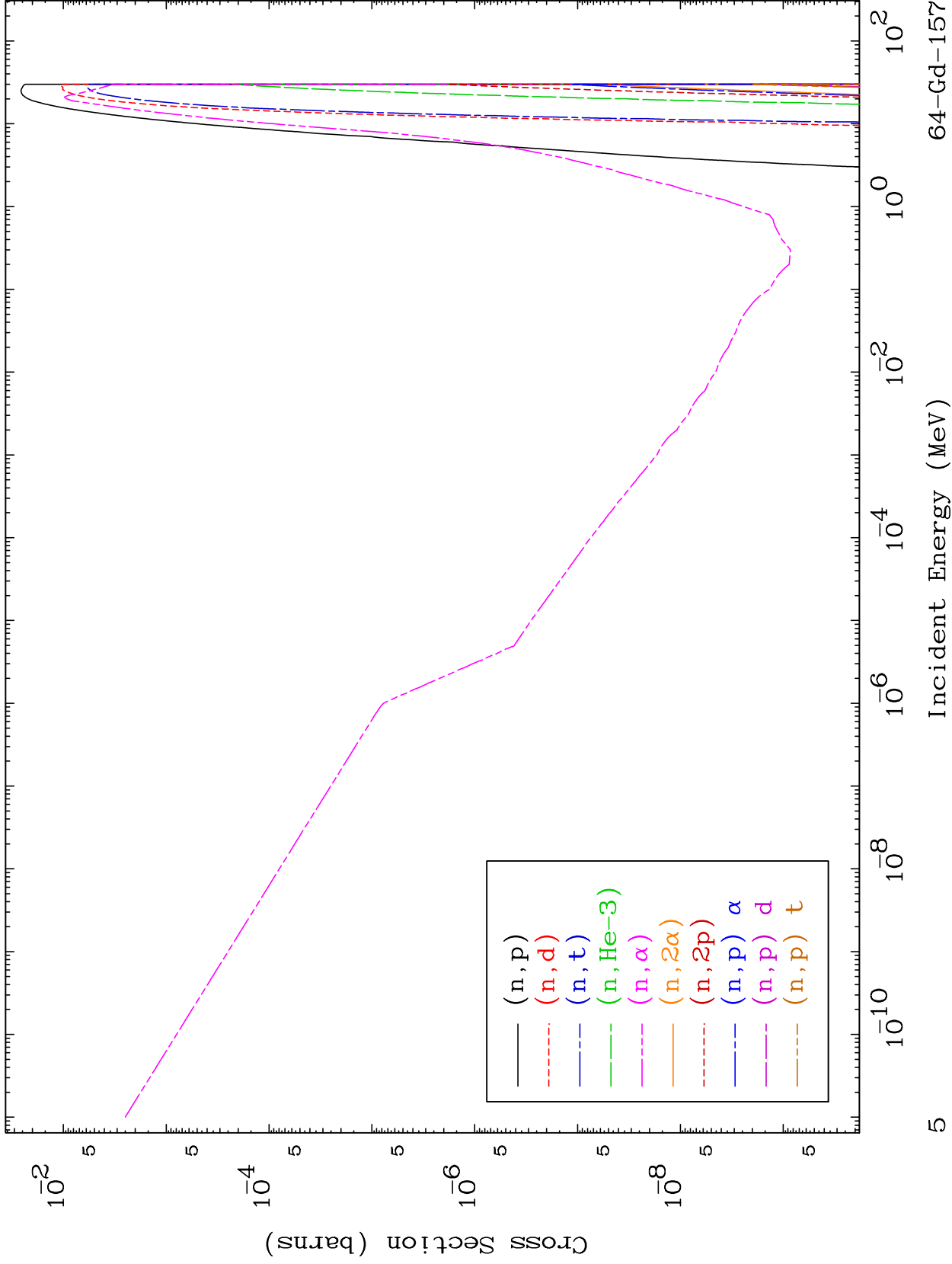
64-Gd-157



MAT 6440

Charged Particle
293 Kelvin Cross Sections

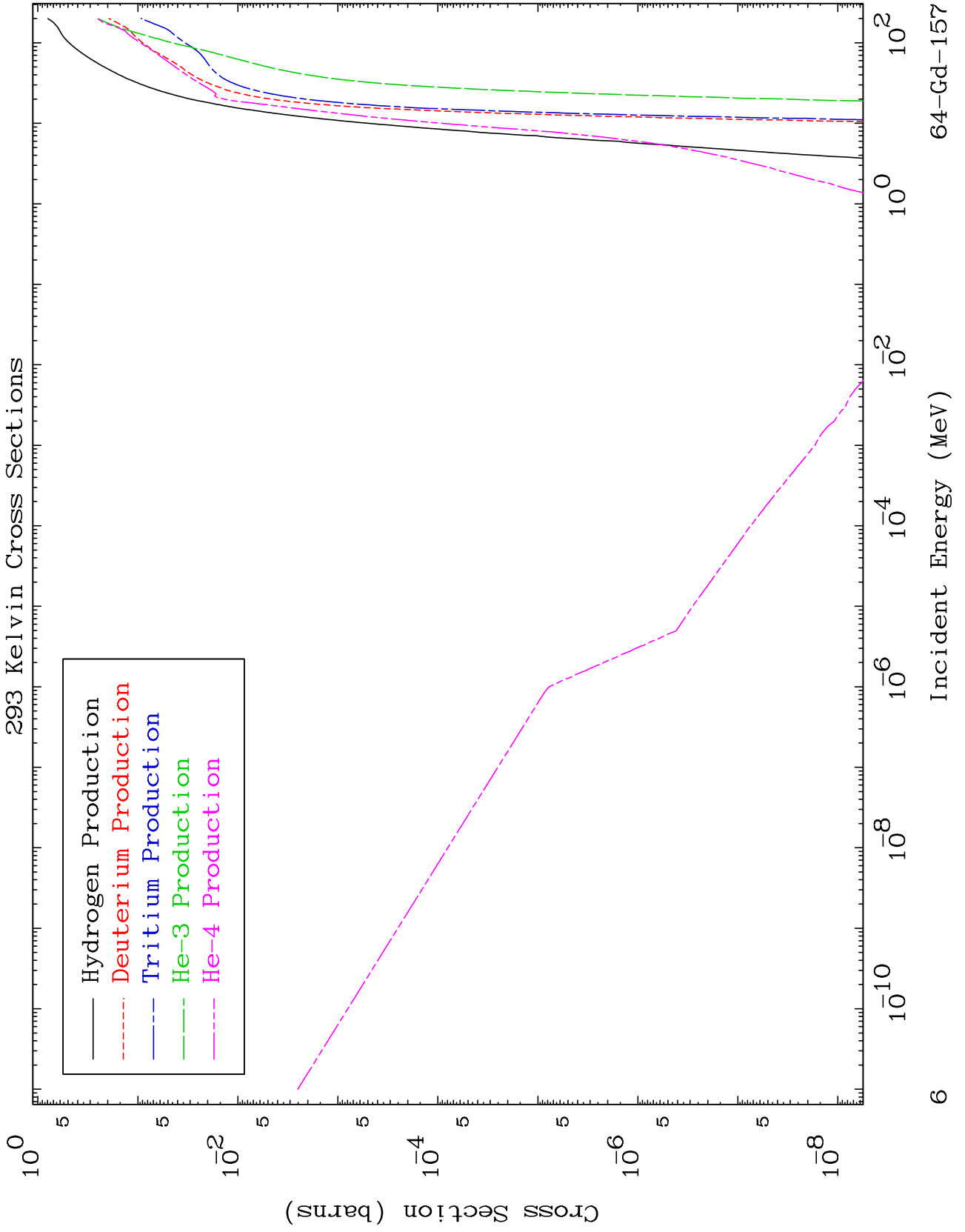
64-Gd-157



MAT 6440

Particle Production
293 Kelvin Cross Sections

64-Gd-157

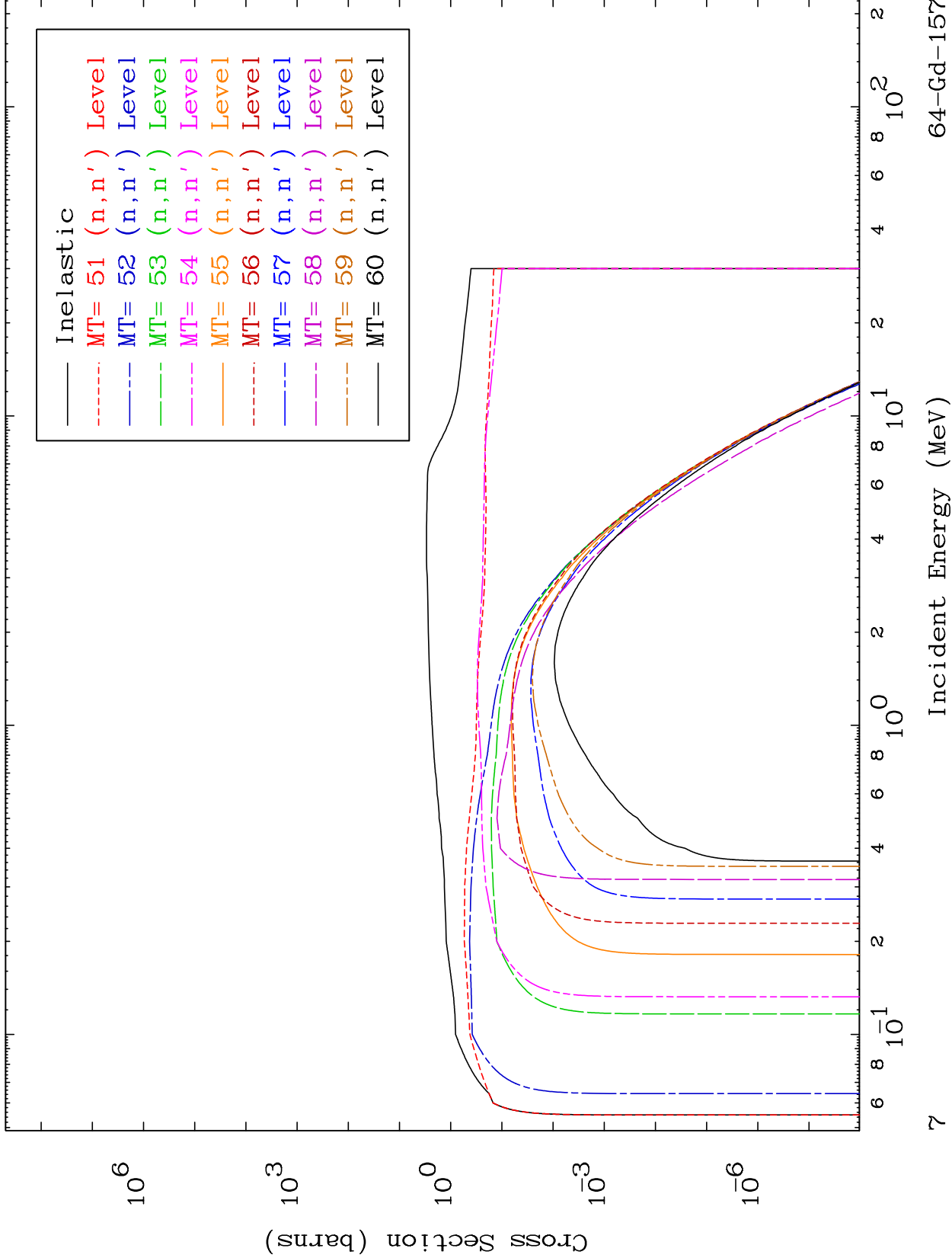


MAT 6440

(n,n') Level

64-Gd-157

293 Kelvin Cross Sections

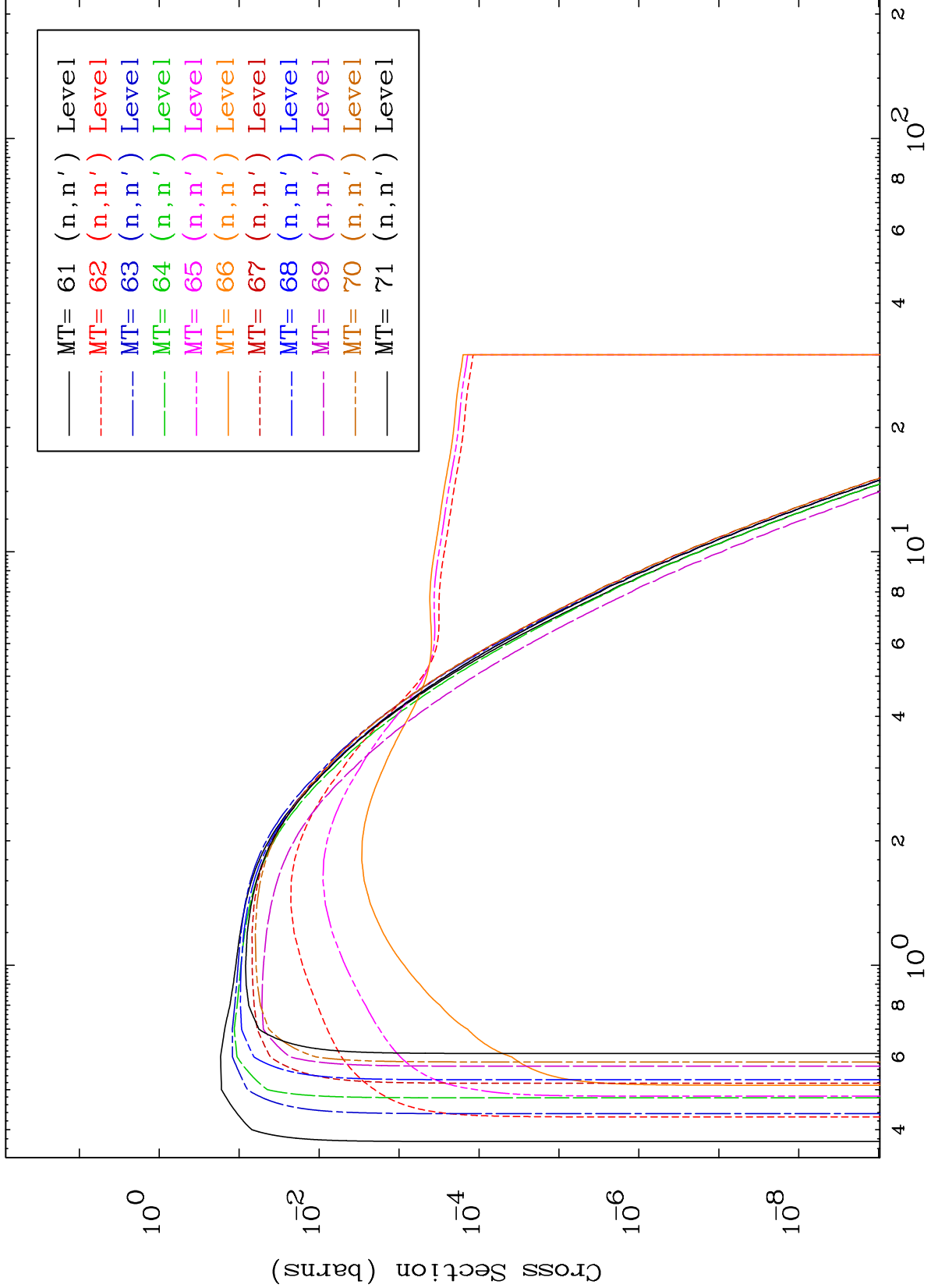


MAT 6440

(n,n') Level

64-Gd-157

293 Kelvin Cross Sections

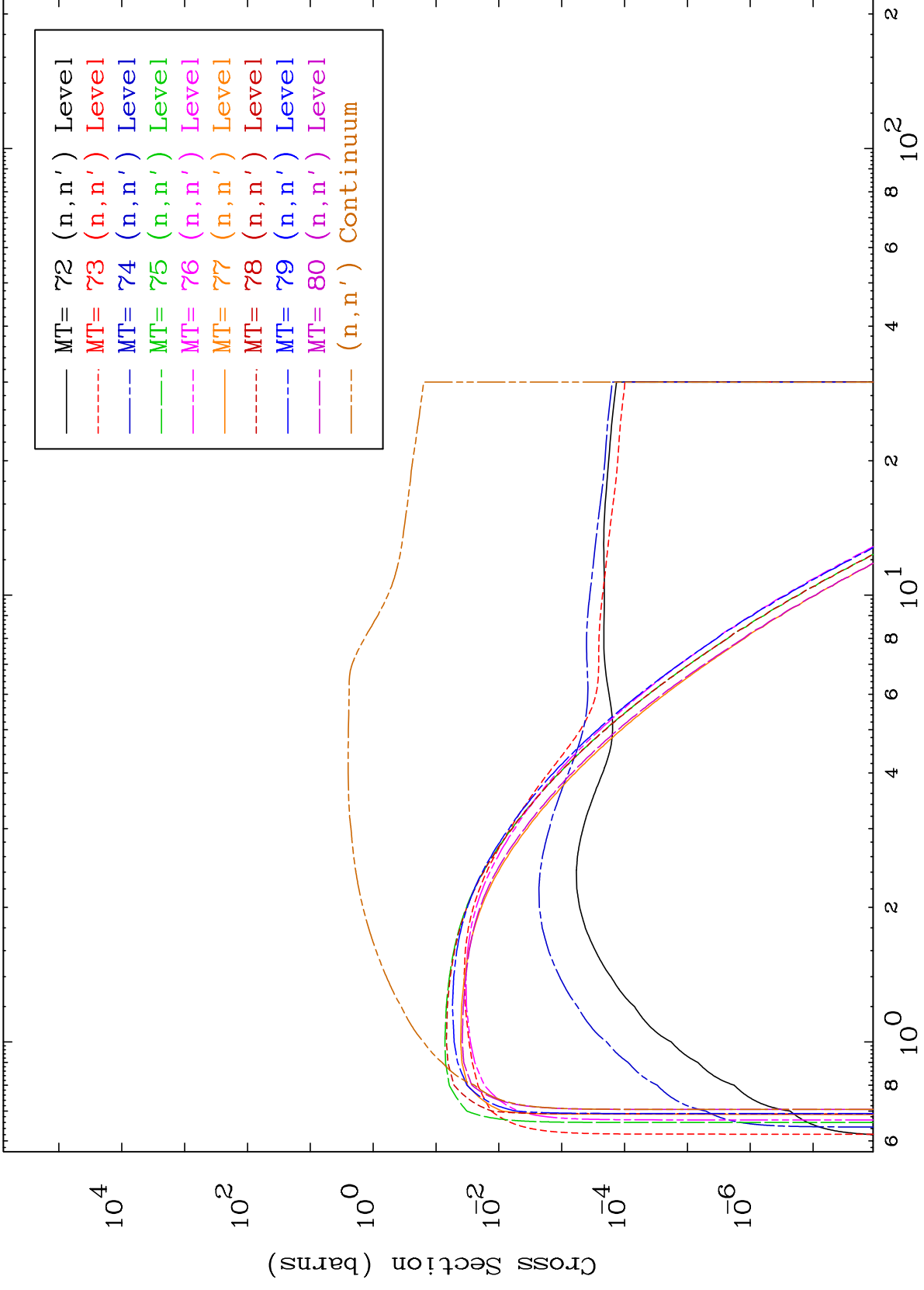


8

Incident Energy (MeV)

64-Gd-157

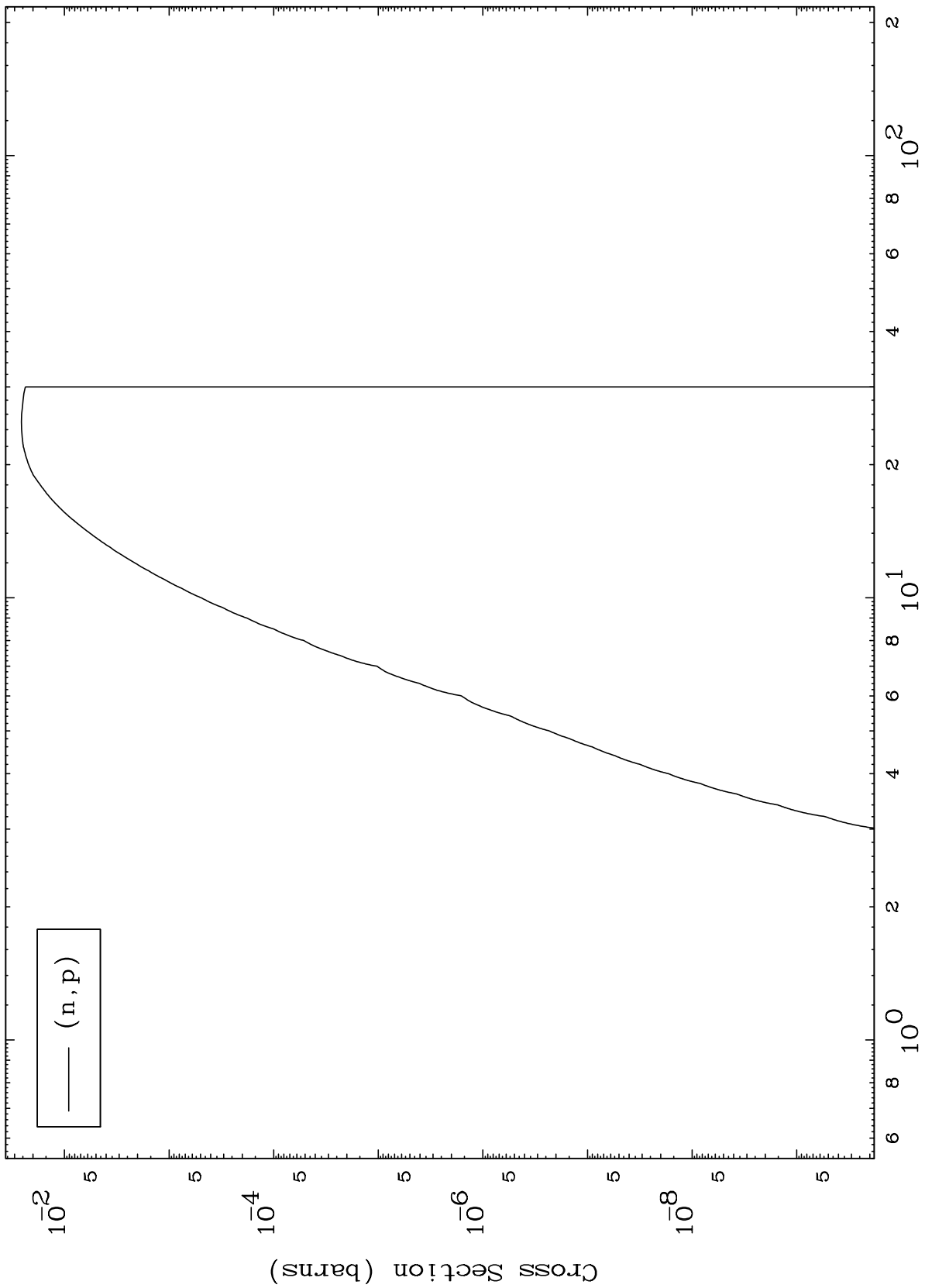
293 Kelvin Cross Sections



MAT 6440

(n,p) Levels
293 Kelvin Cross Sections

64-Gd-157



10

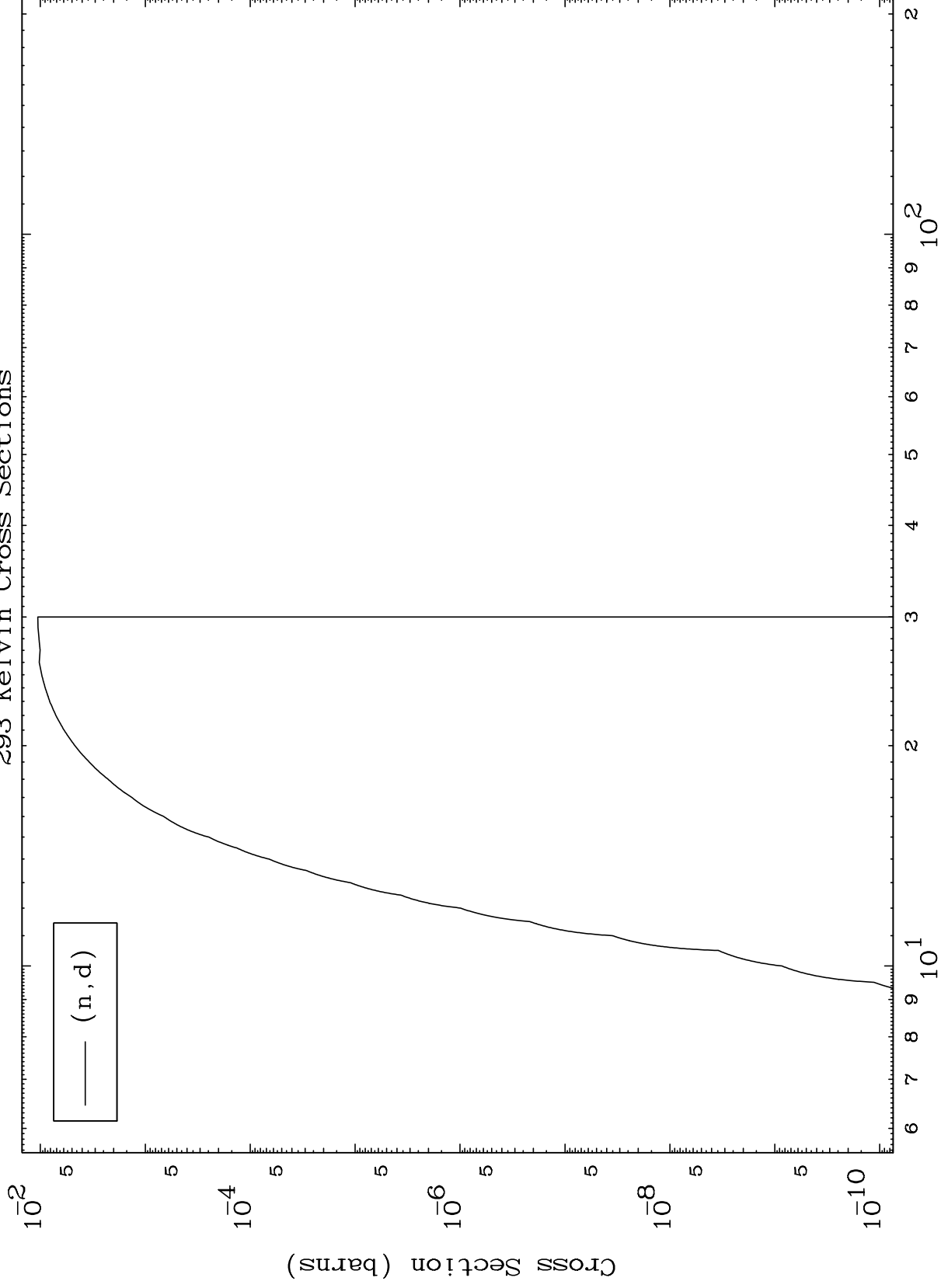
Incident Energy (MeV)

64-Gd-157

MAT 6440

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-157



11

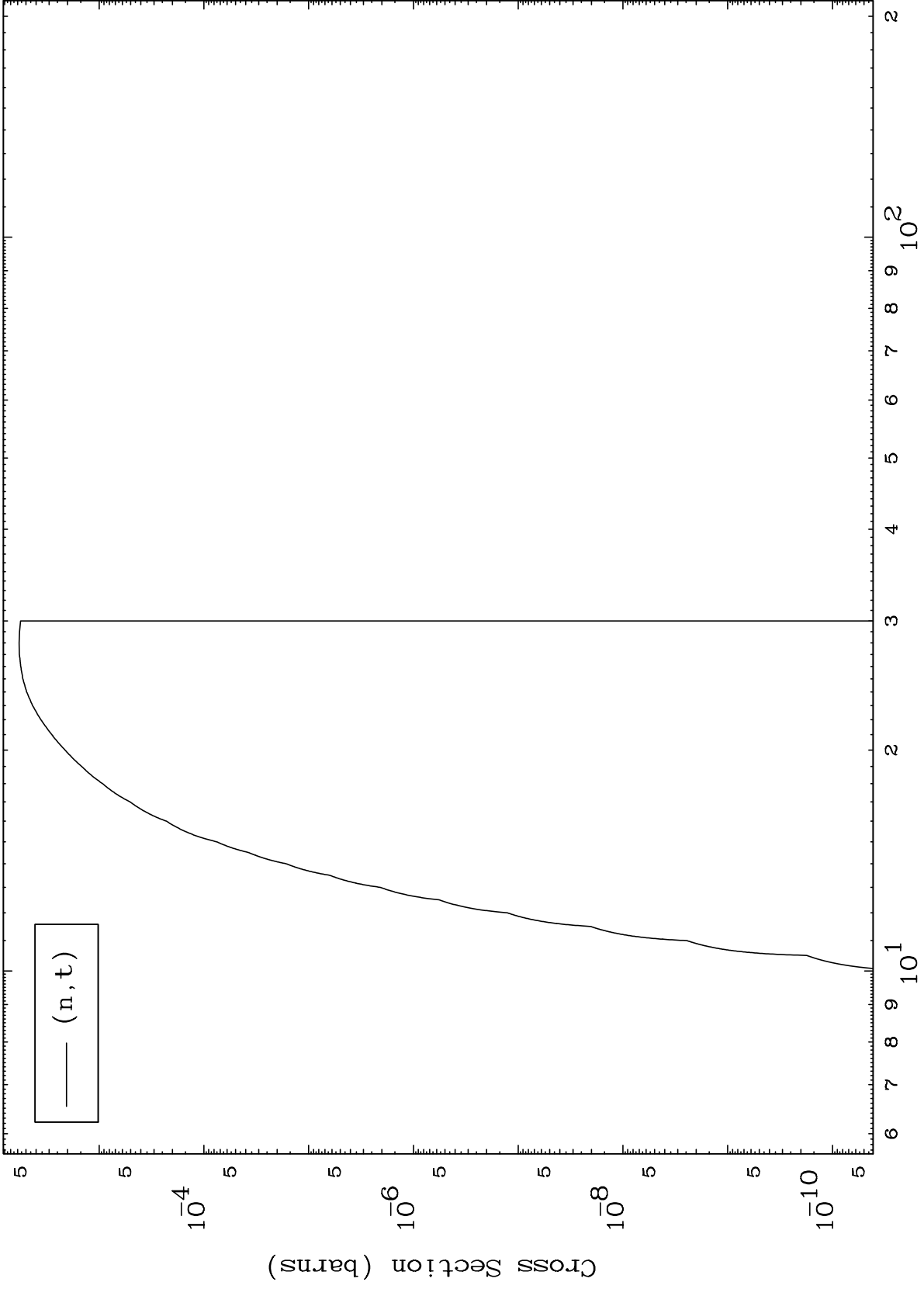
Incident Energy (MeV)

64-Gd-157

MAT 6440

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-157



12

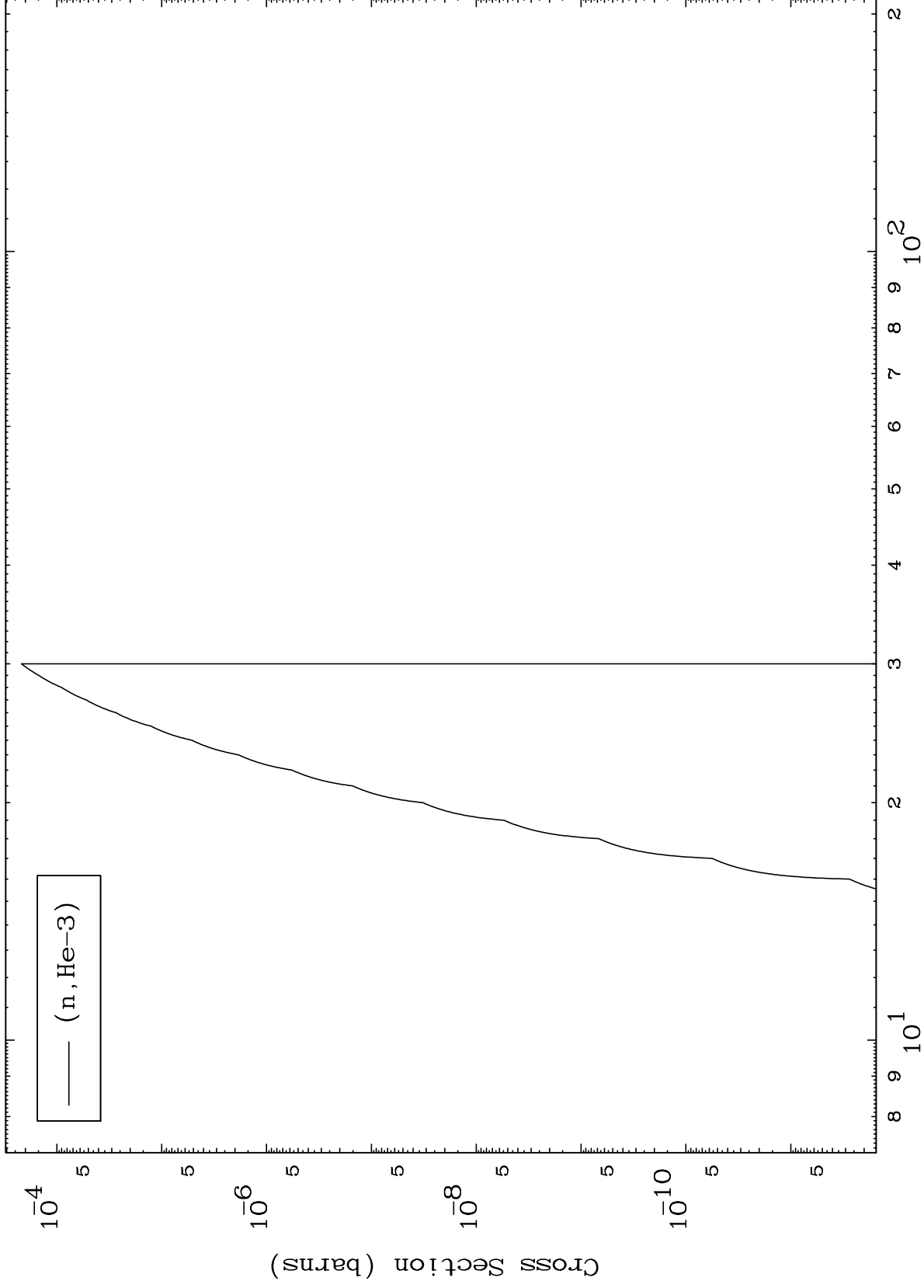
Incident Energy (MeV)

64-Gd-157

MAT 6440

(n,He3) Levels
293 Kelvin Cross Sections

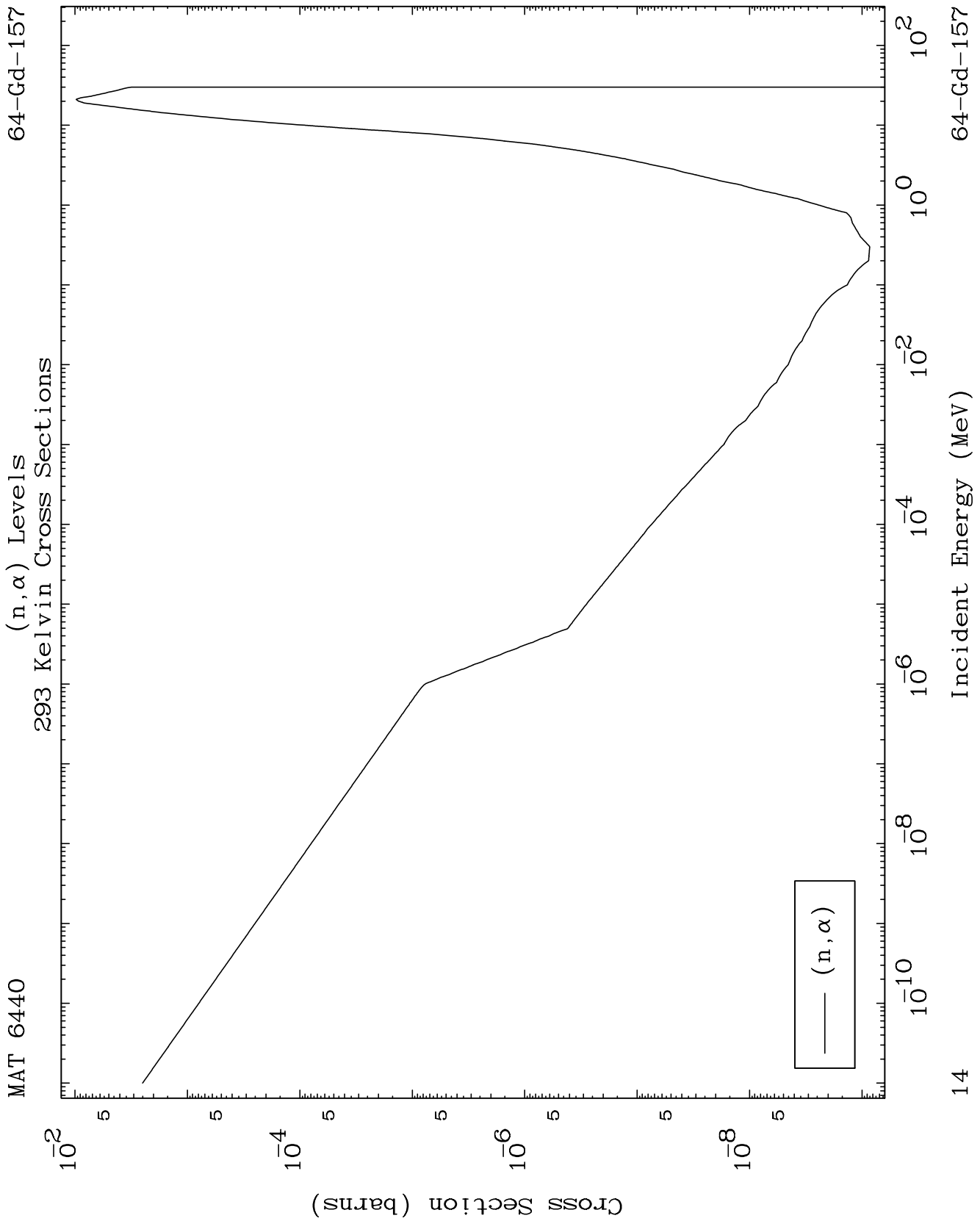
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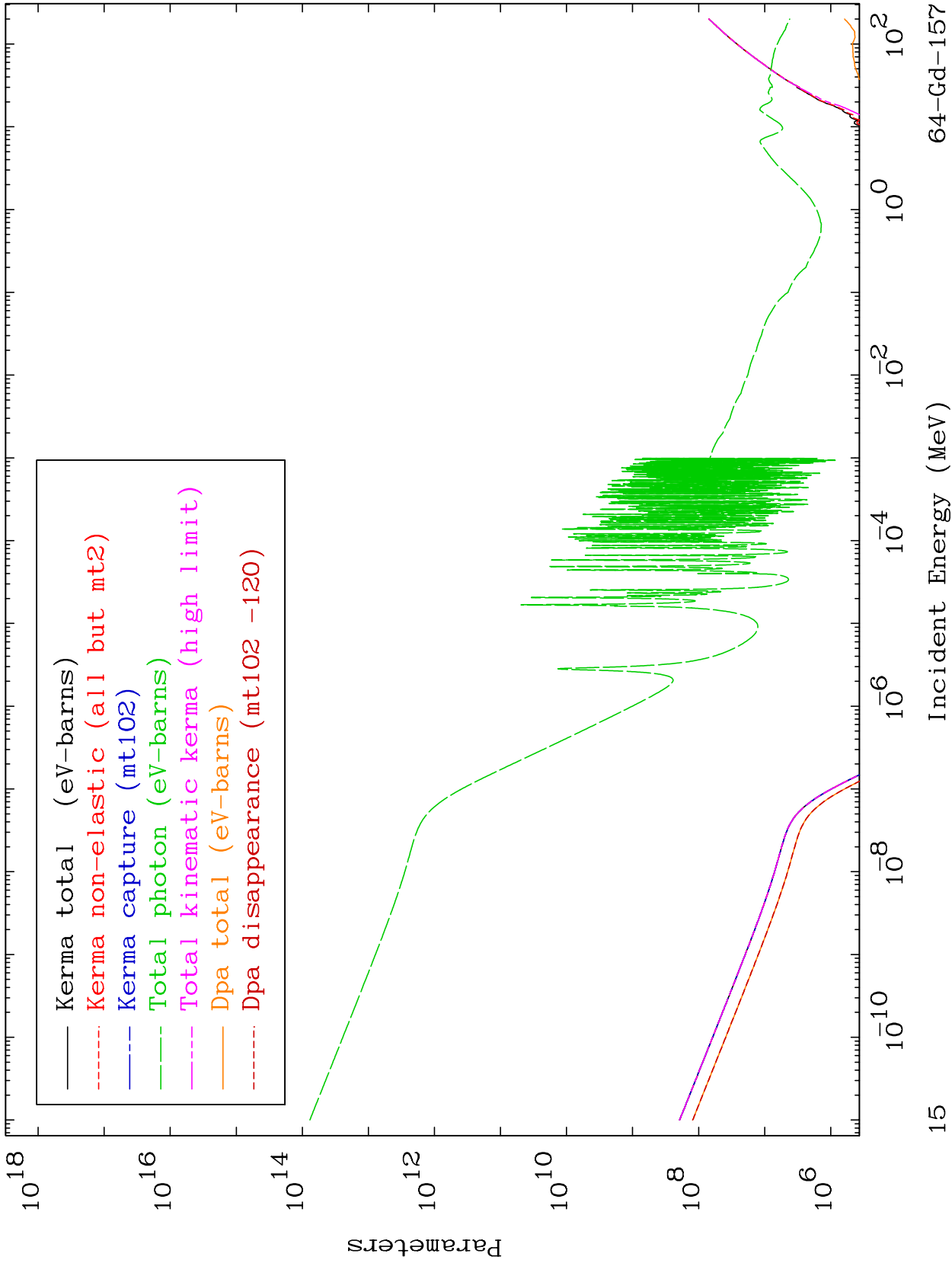


13

Incident Energy (MeV)

64-Gd-157

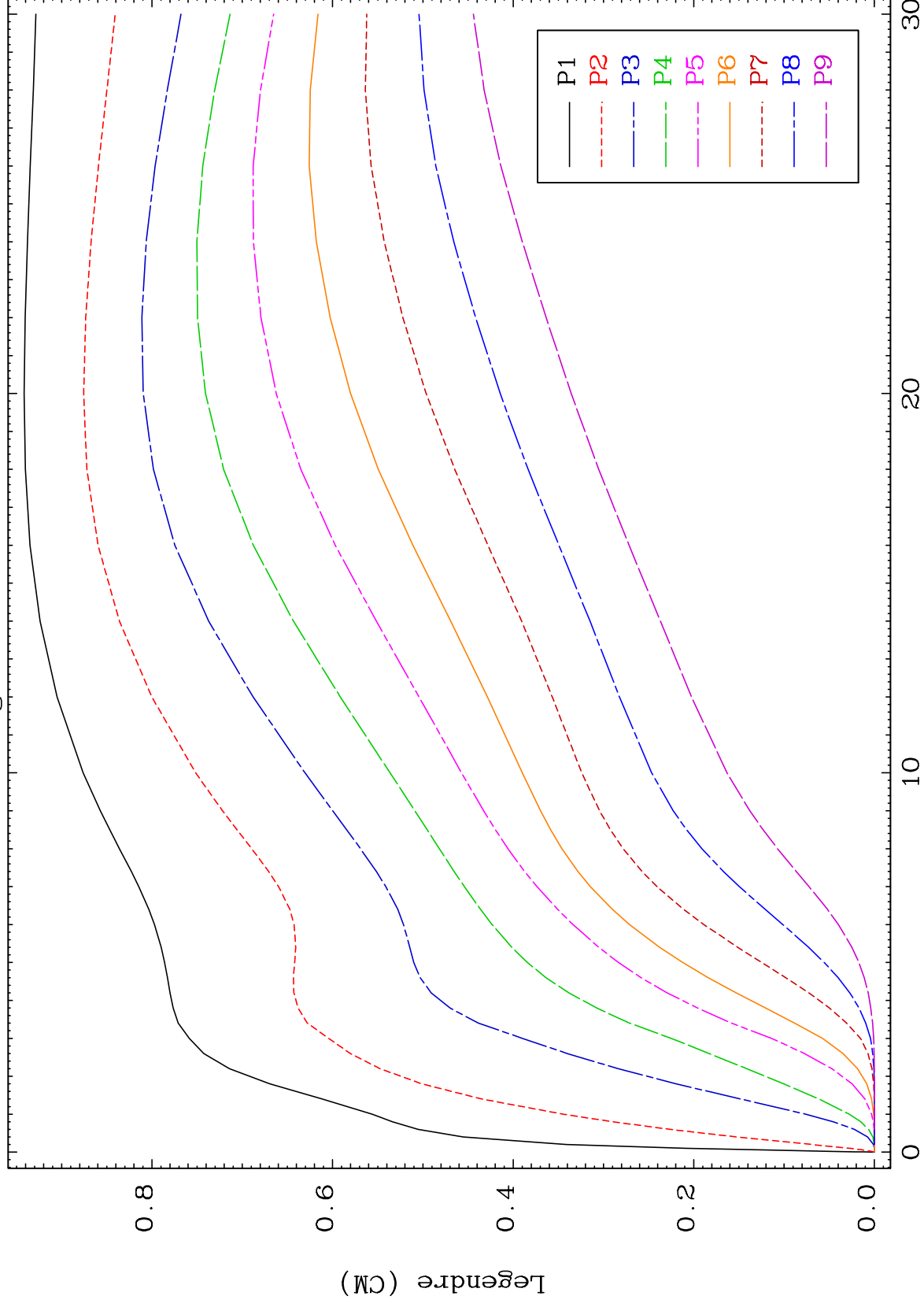




MAT 6440

Elastic Legendre Coefficients

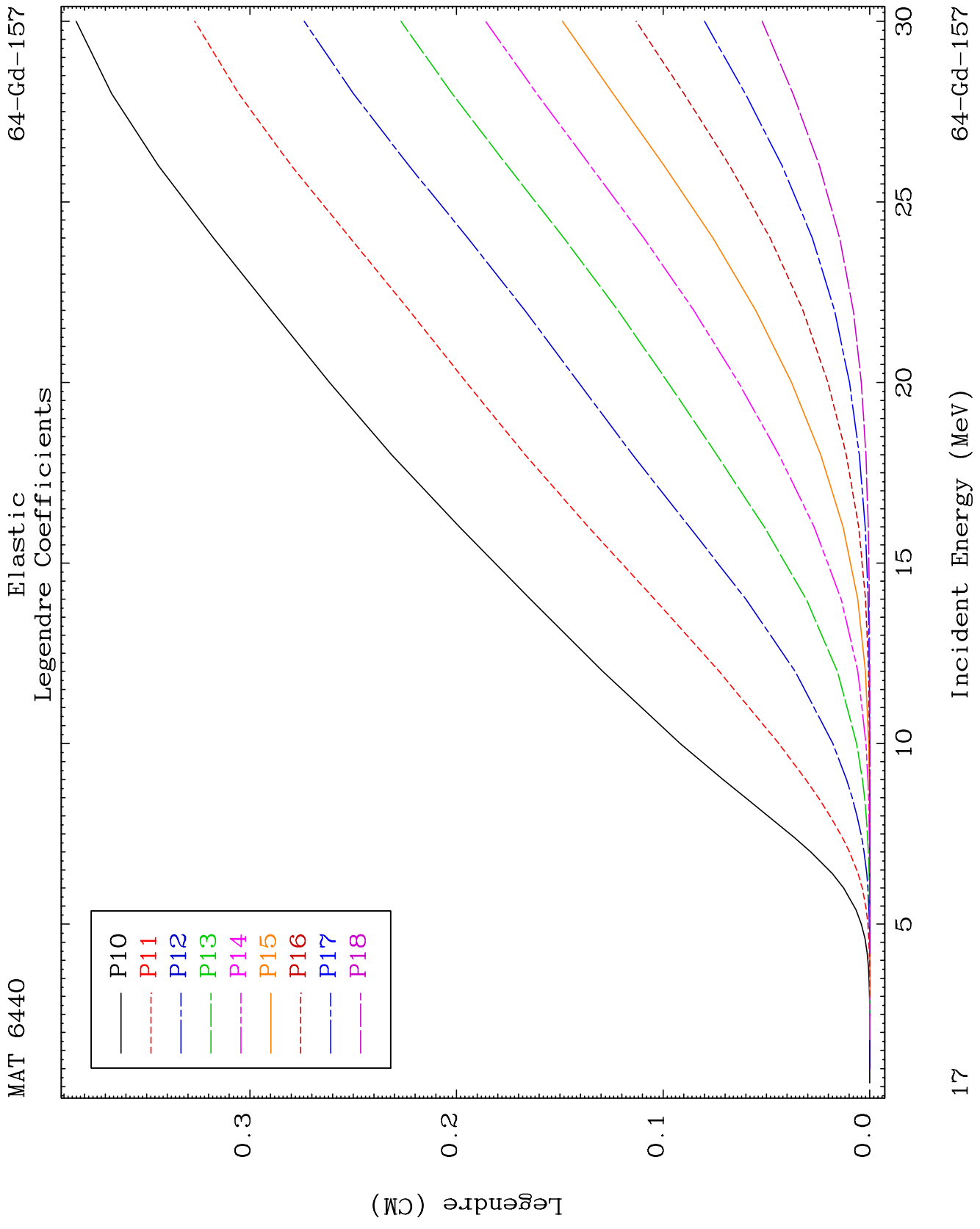
64-Gd-157



16

Incident Energy (MeV)

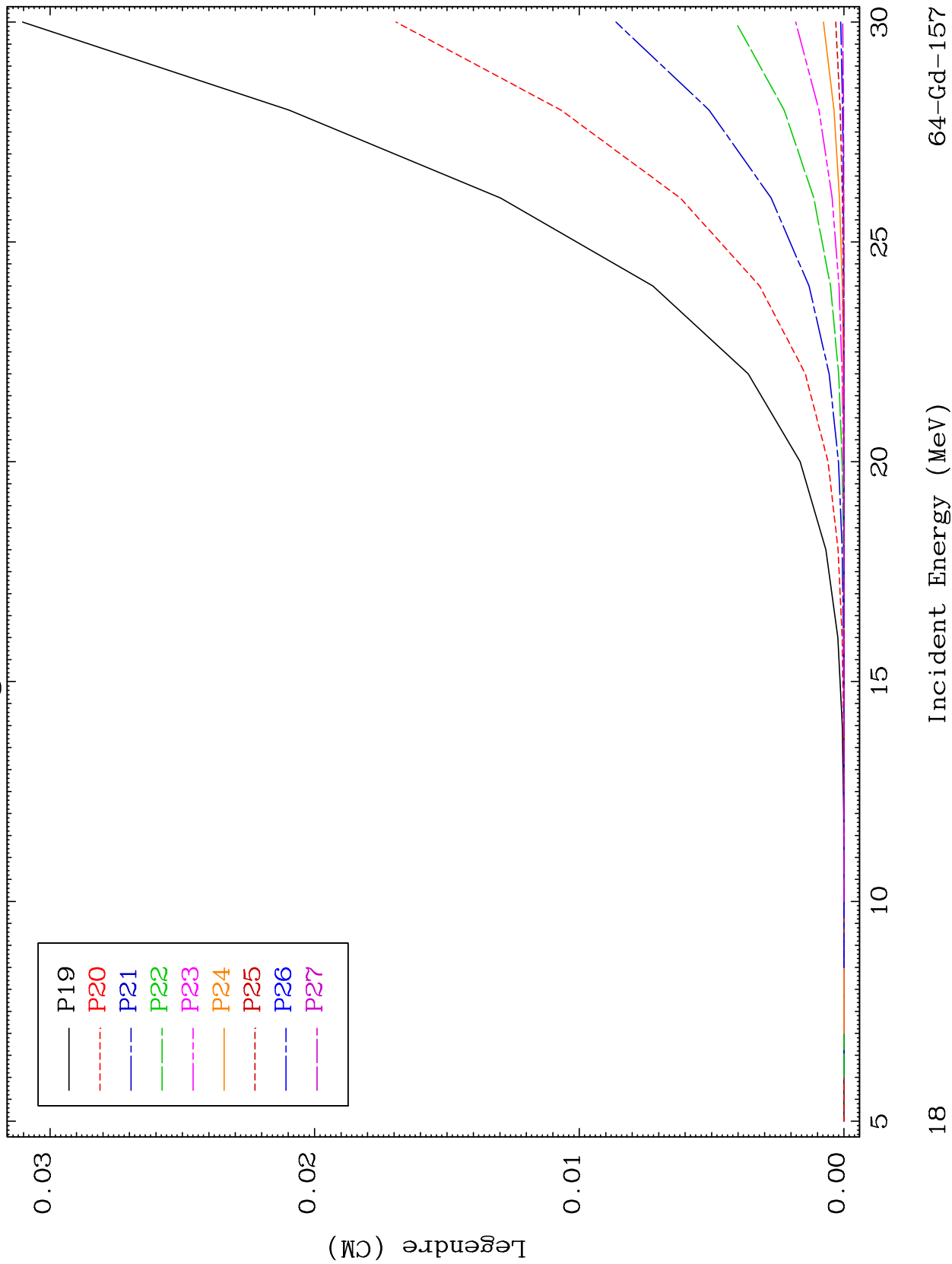
64-Gd-157



MAT 6440

Elastic
Legendre Coefficients

64-Gd-157



18

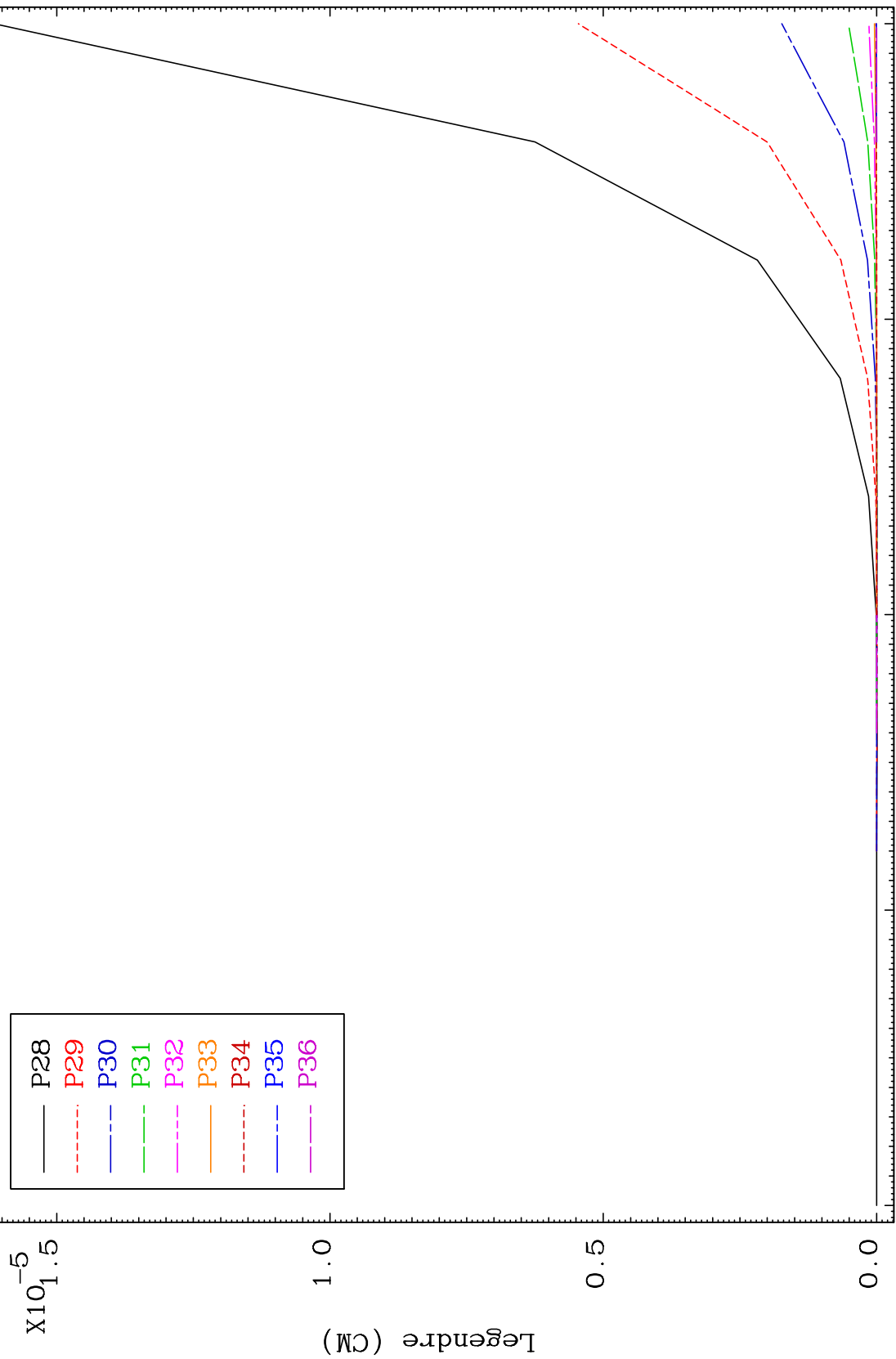
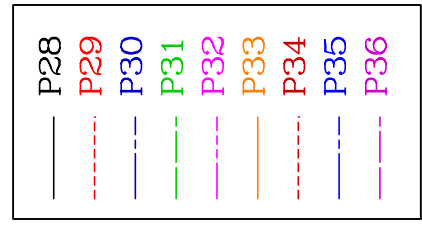
Incident Energy (MeV)

64-Gd-157

MAT 6440

Elastic Legendre Coefficients

64-Gd-157



19

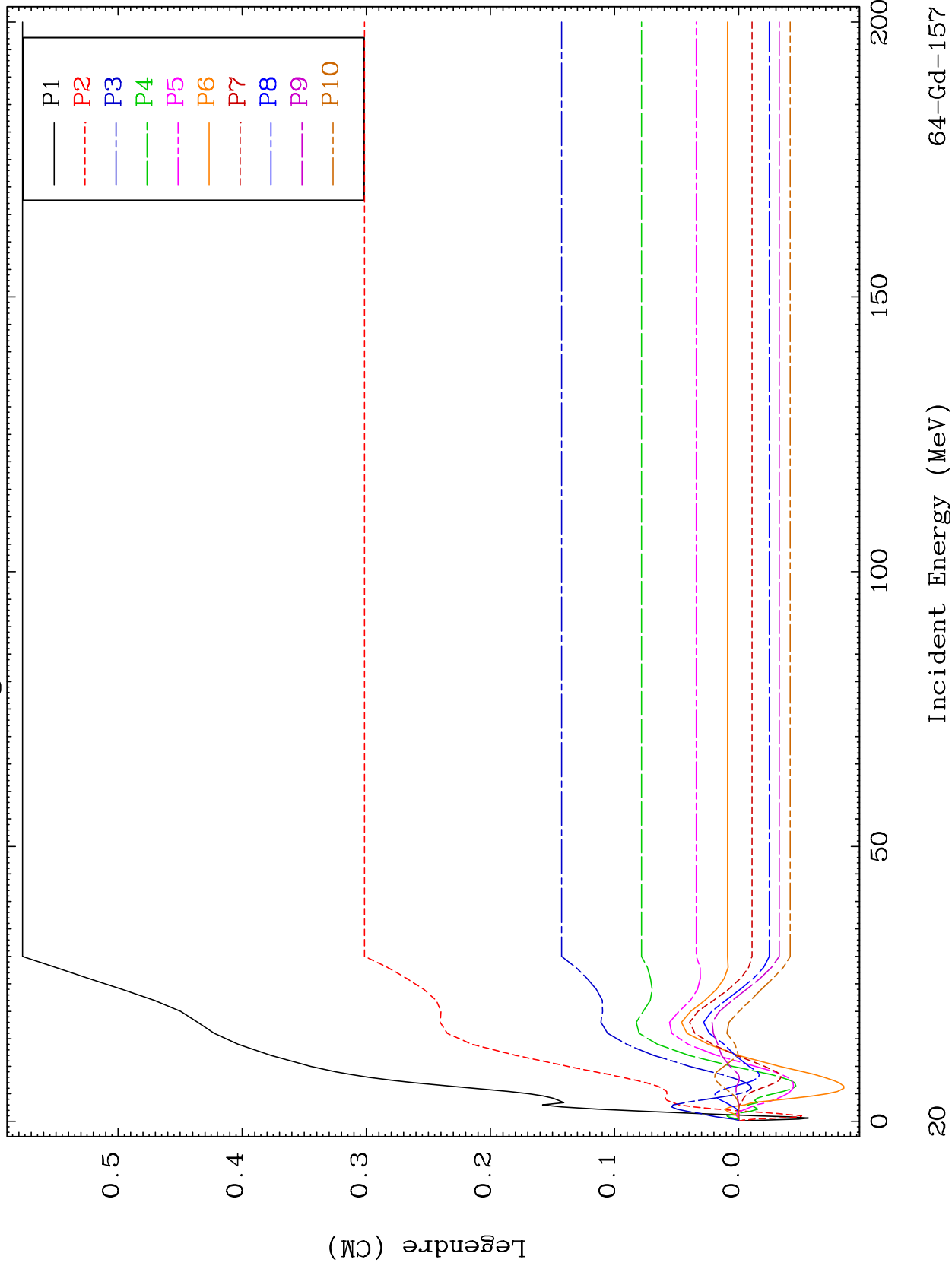
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

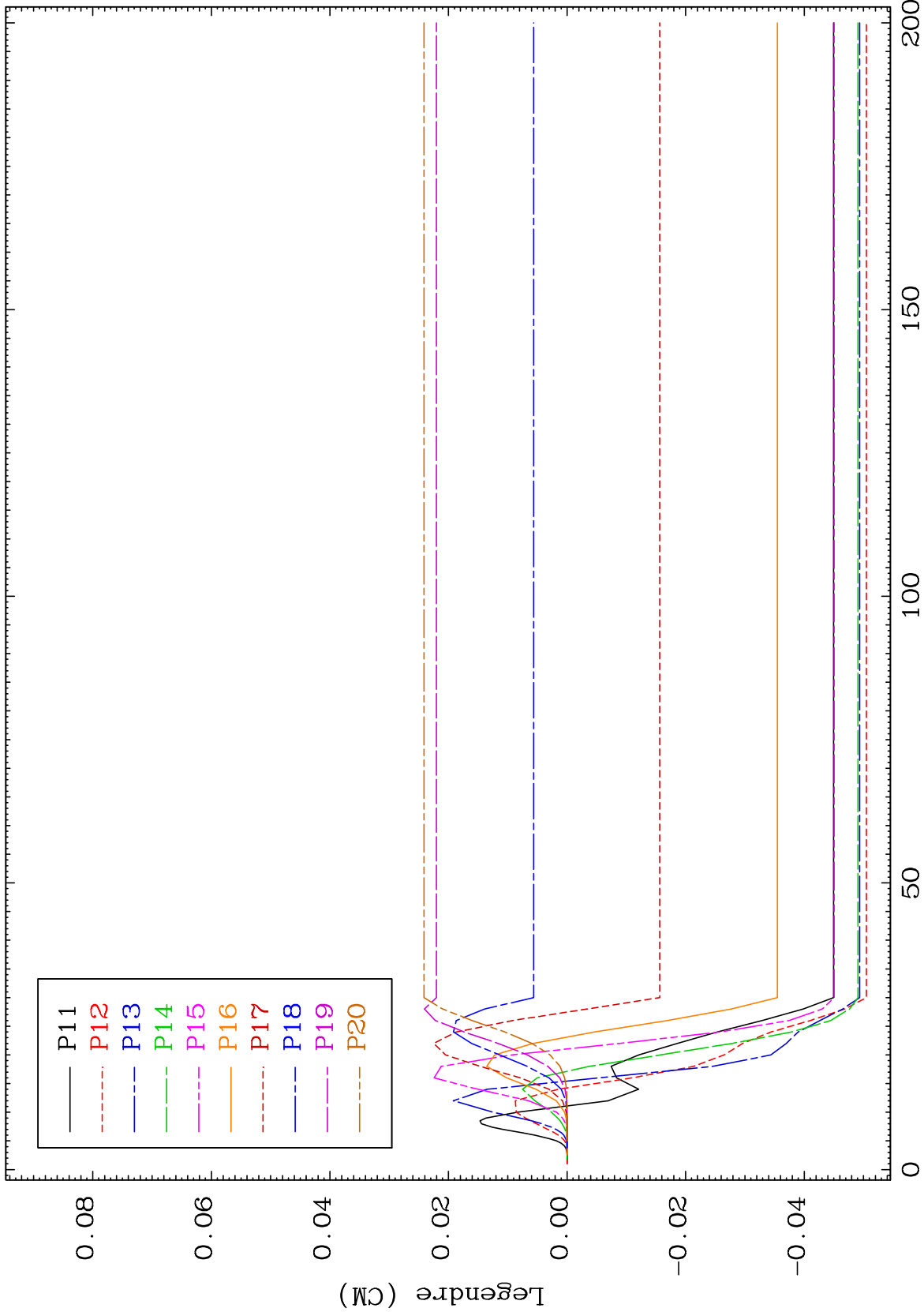
Incident Energy (MeV)

0

MAT 6440

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

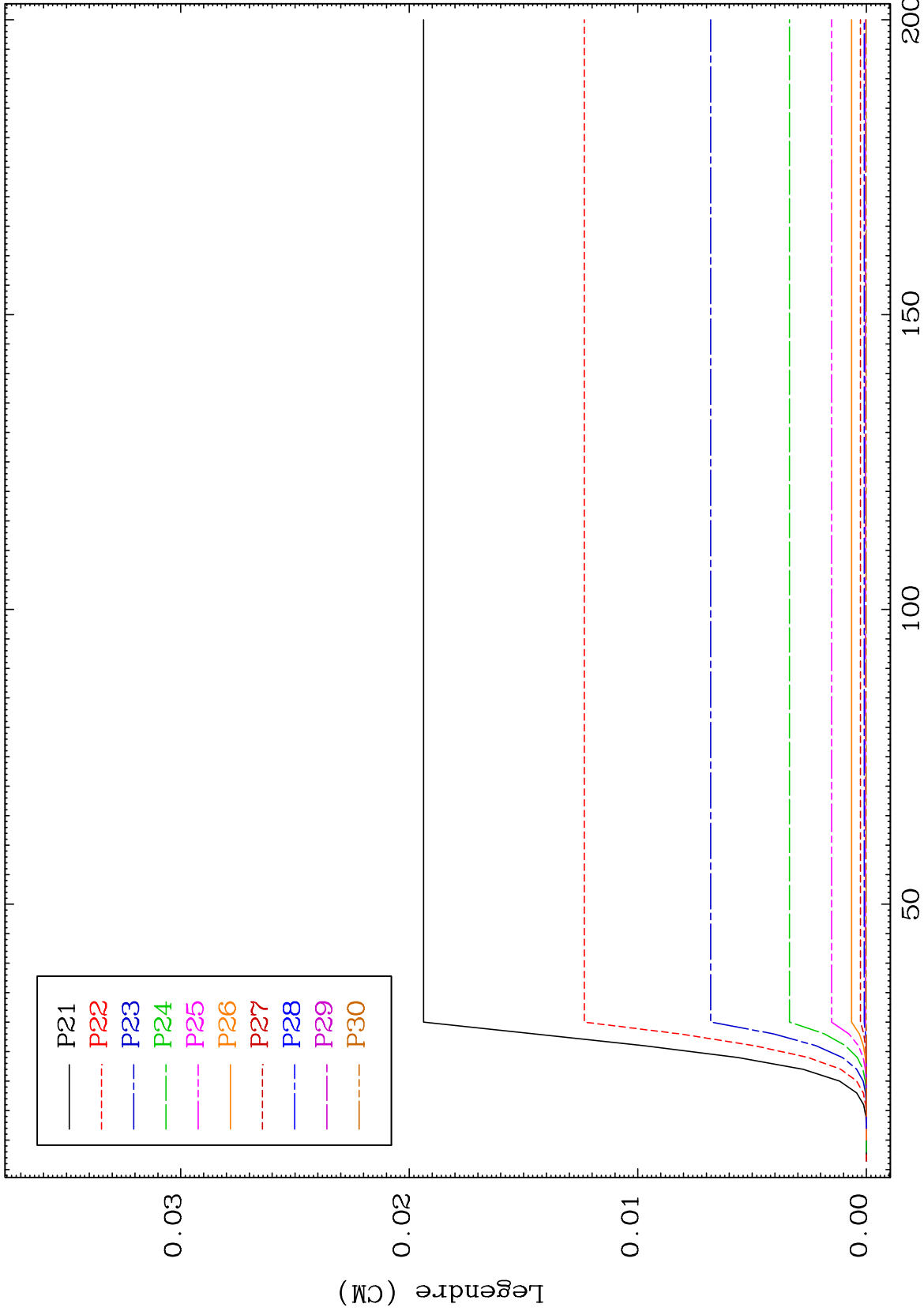
64-Gd-157



MAT 6440

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

64-Gd-157



22

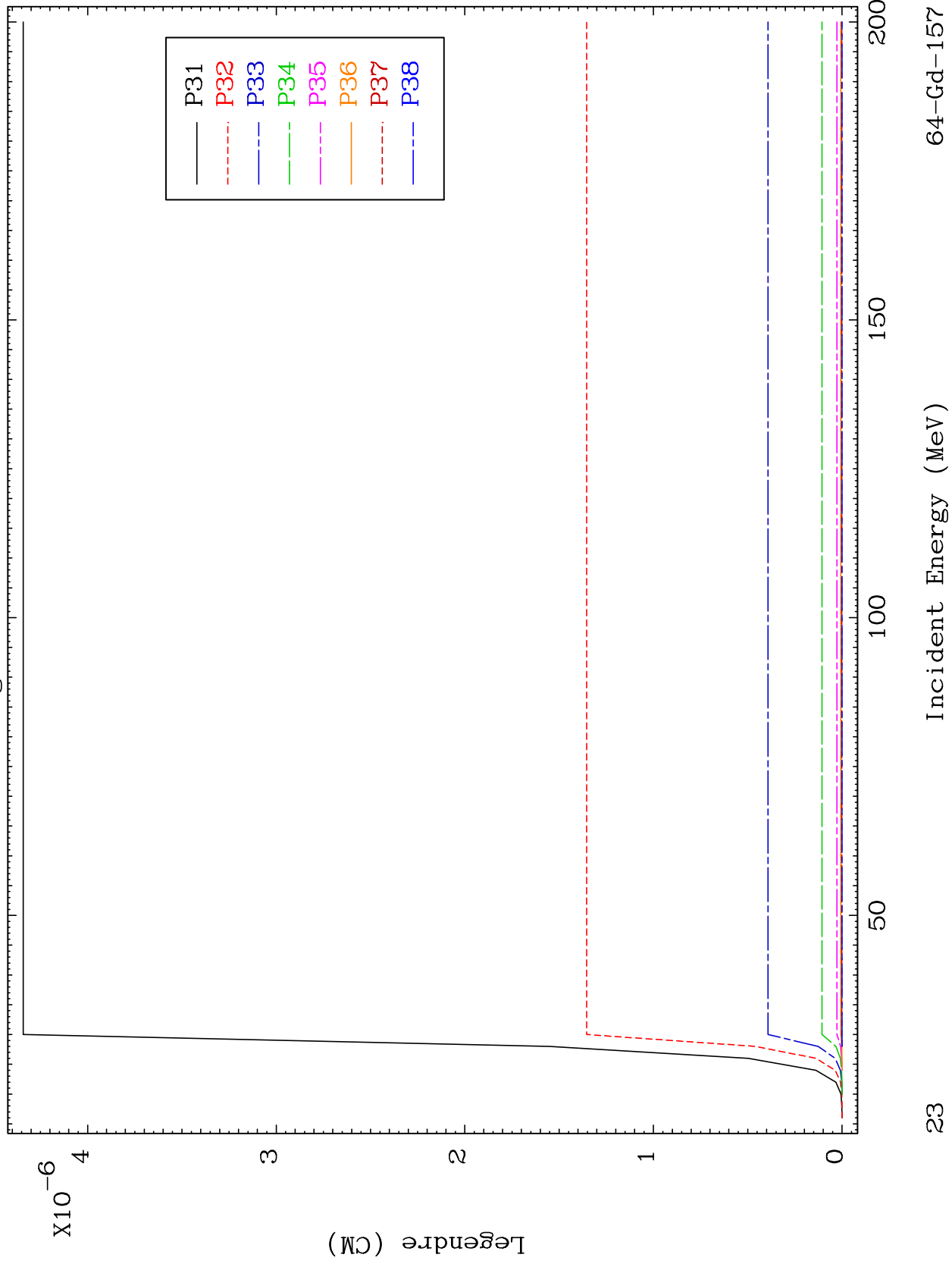
Incident Energy (MeV)

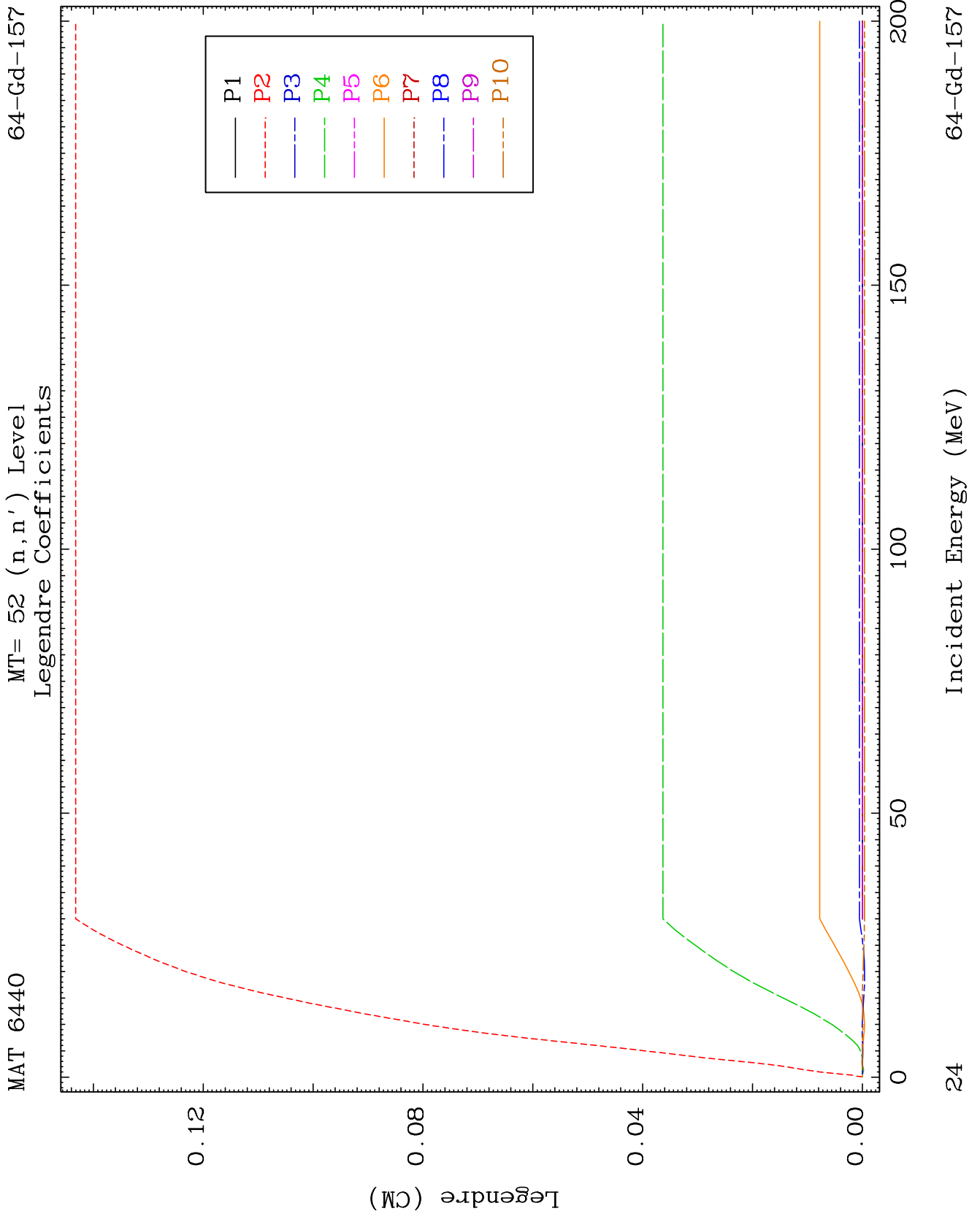
64-Gd-157

MAT 6440

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

64-Gd-157

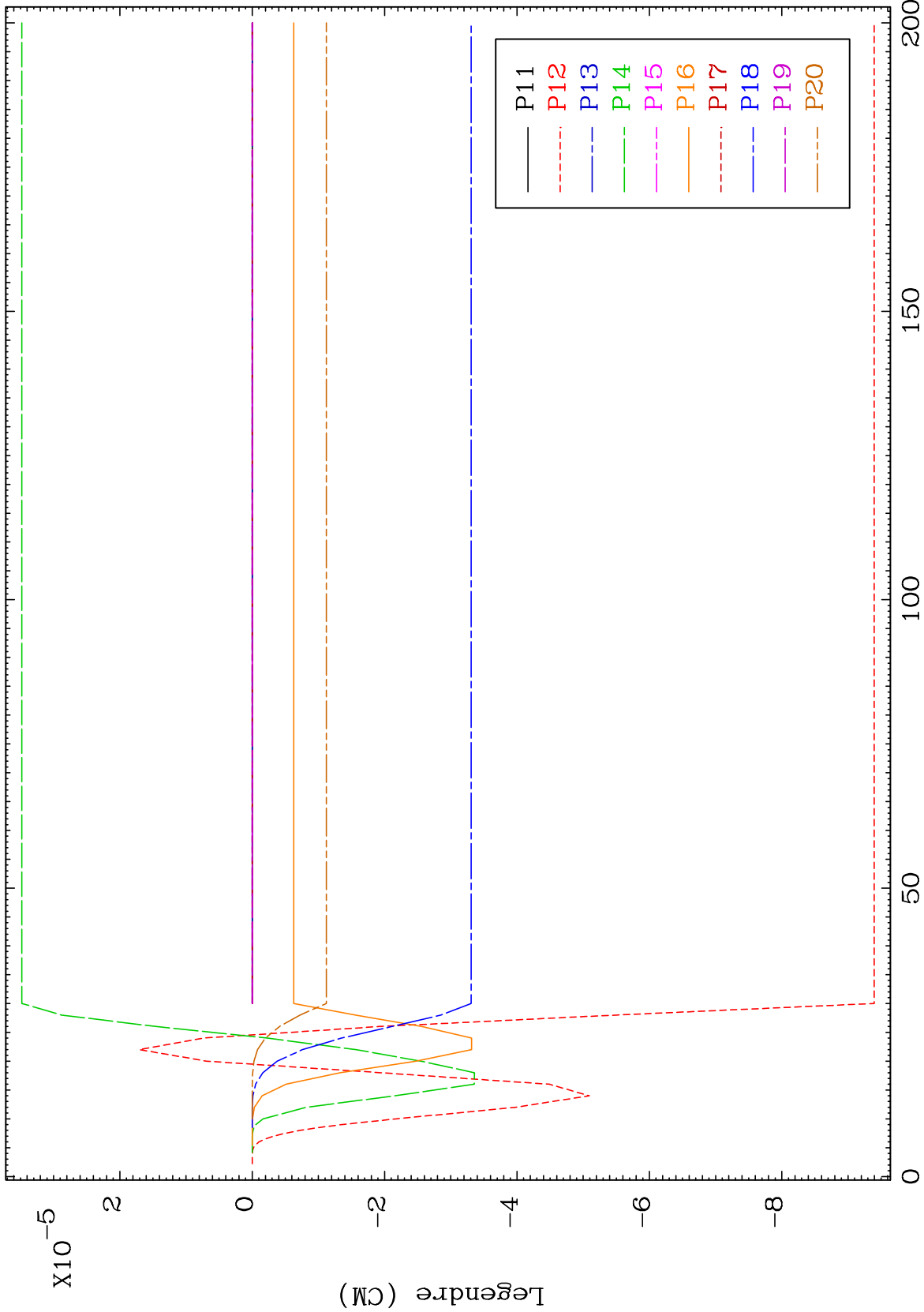




MAT 6440

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

64-Gd-157



25

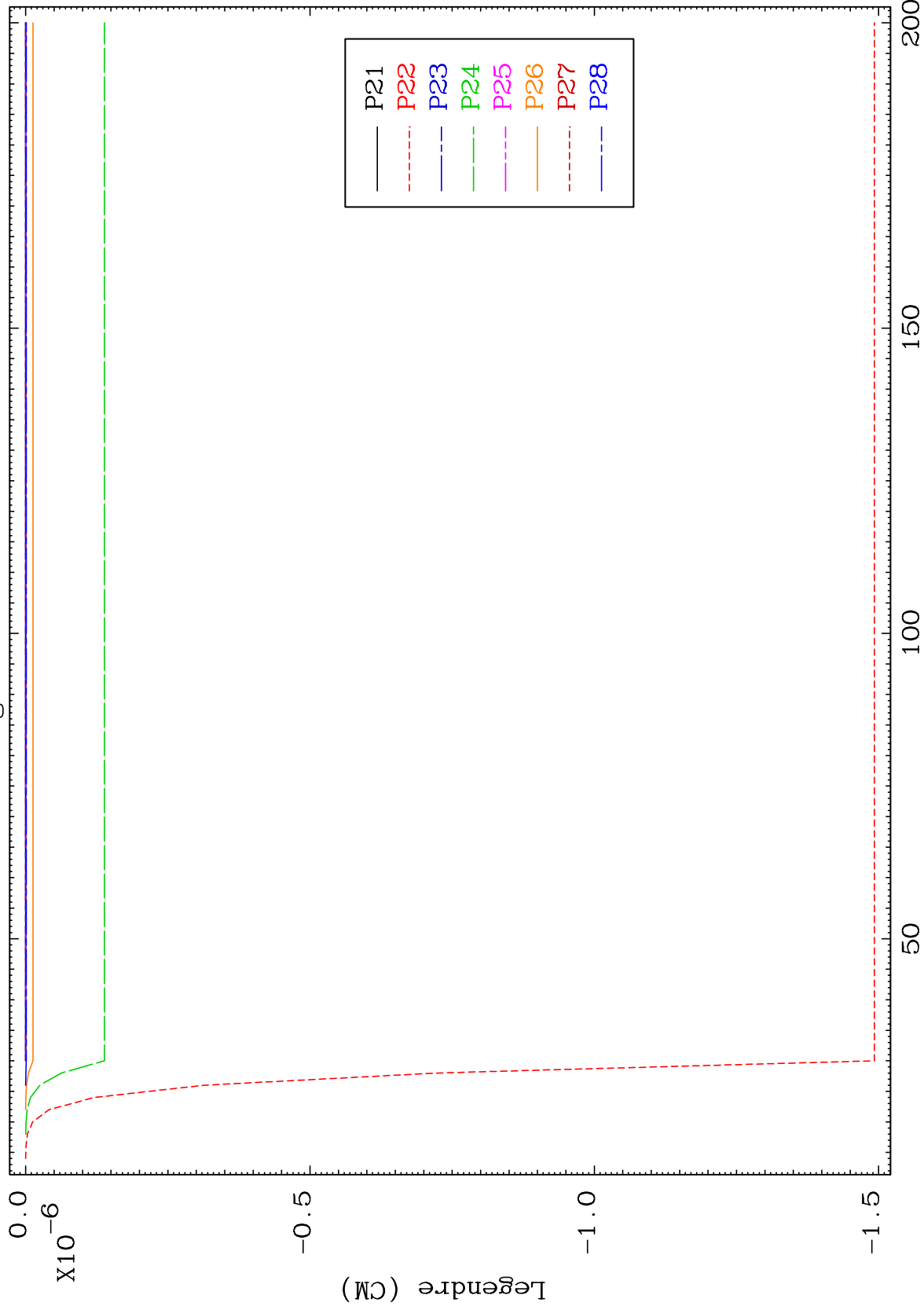
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

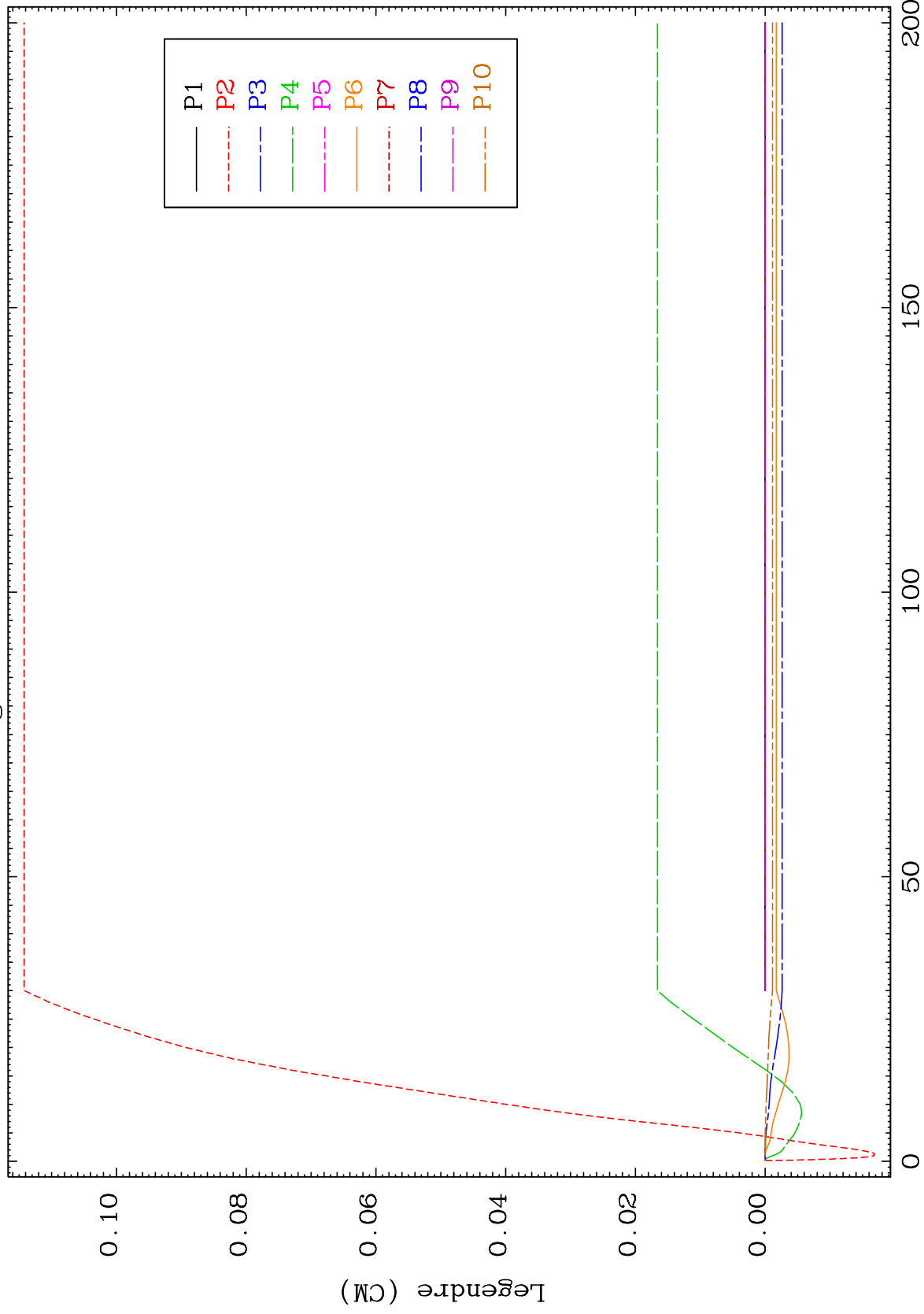
Incident Energy (MeV)

26

MAT 6440

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

64-Gd-157



27

Incident Energy (MeV)

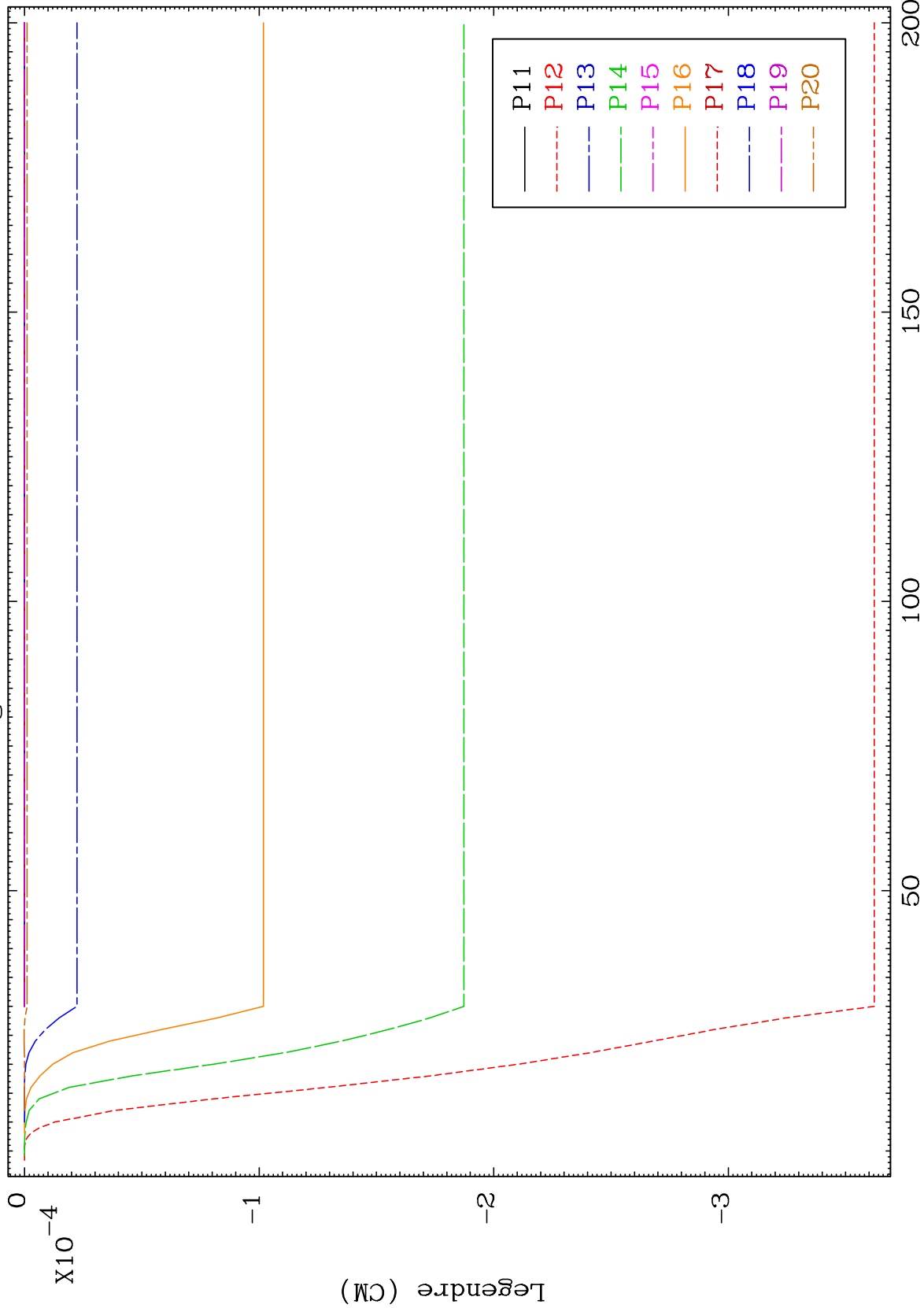
64-Gd-157

MAT 6440

MT= 53 (n,n') Level

64-Gd-157

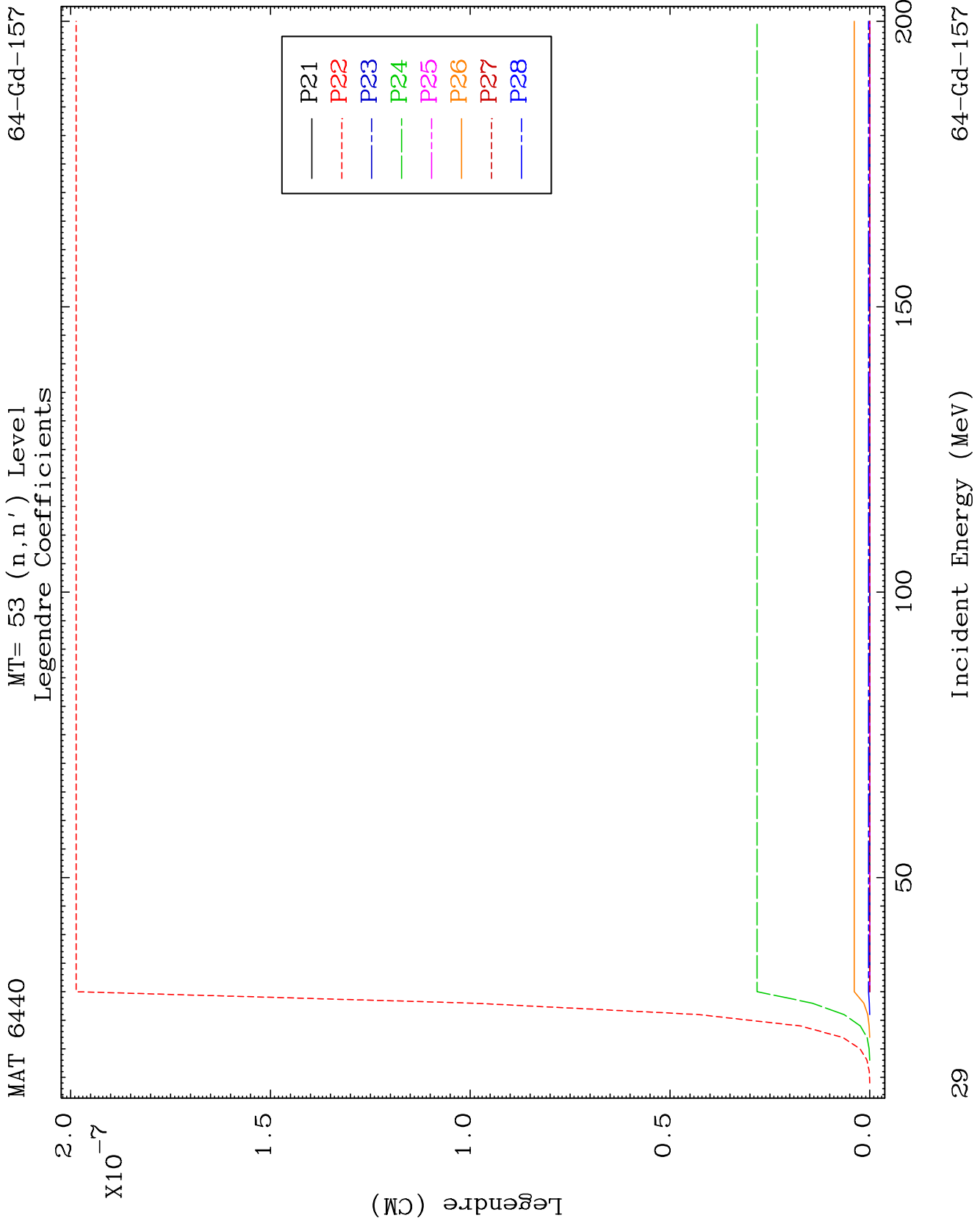
Legendre Coefficients



28

Incident Energy (MeV)

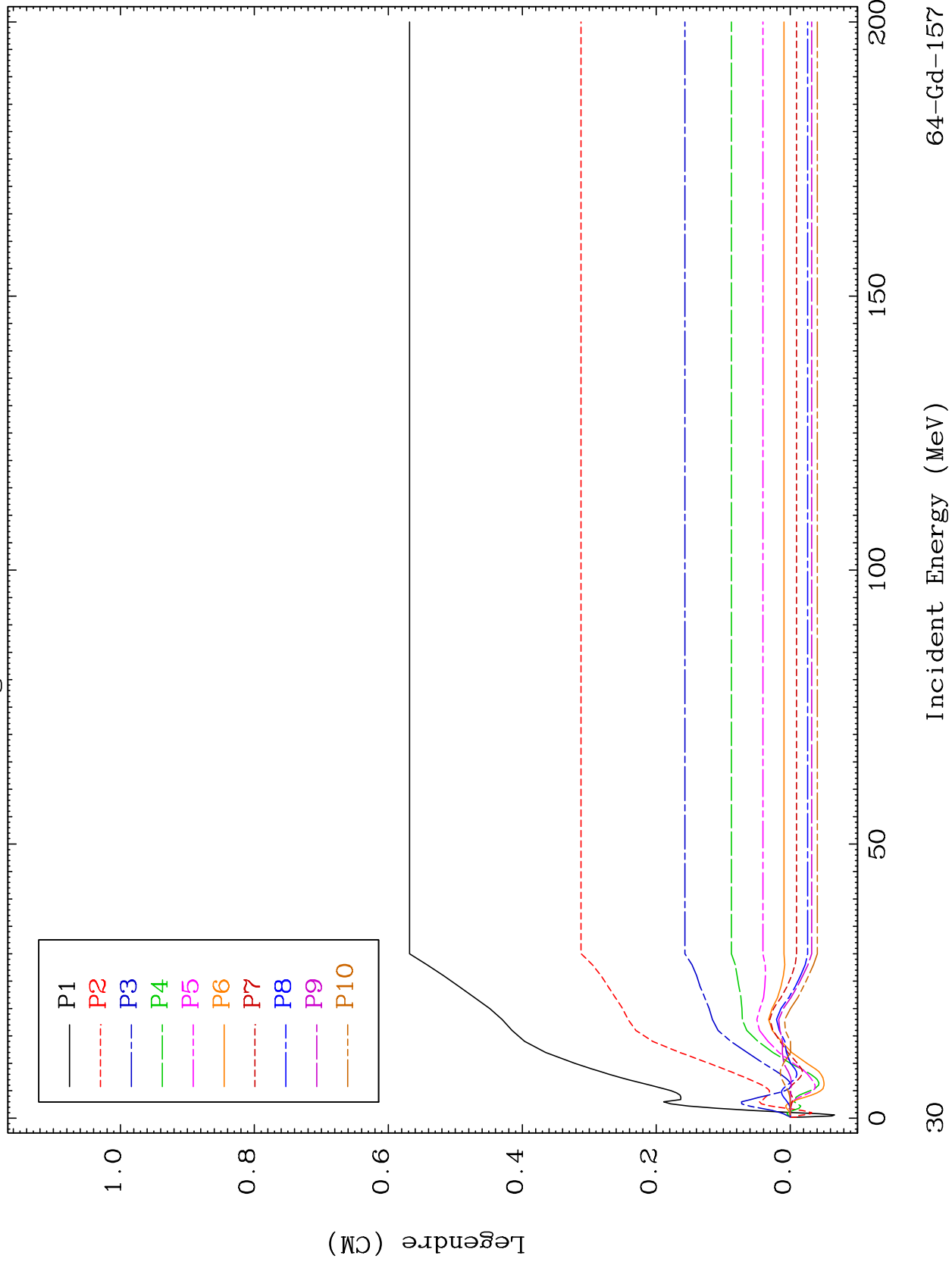
64-Gd-157



MAT 6440

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

64-Gd-157



64-Gd-157

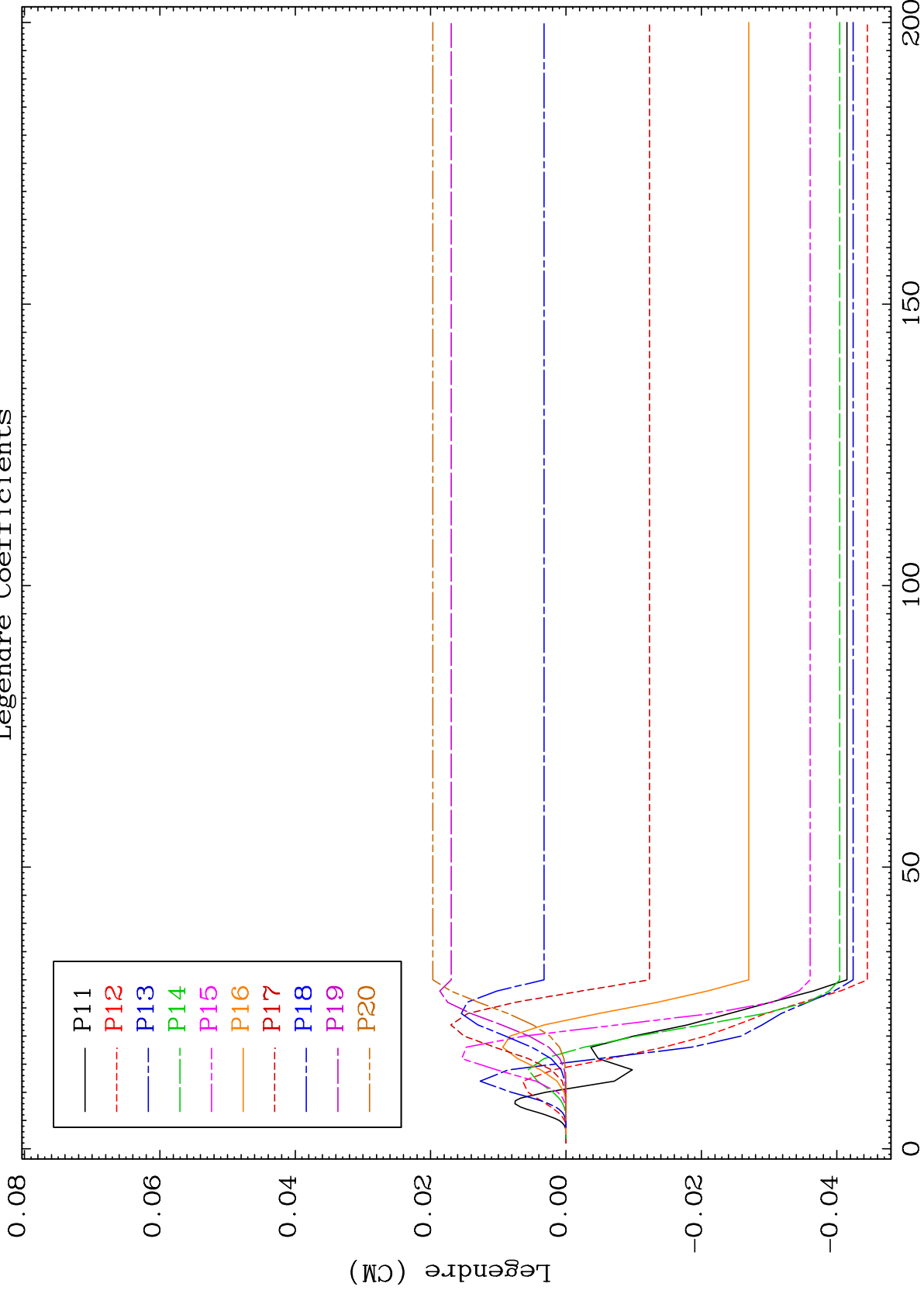
Incident Energy (MeV)

30

MAT 6440

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

64-Gd-157



31

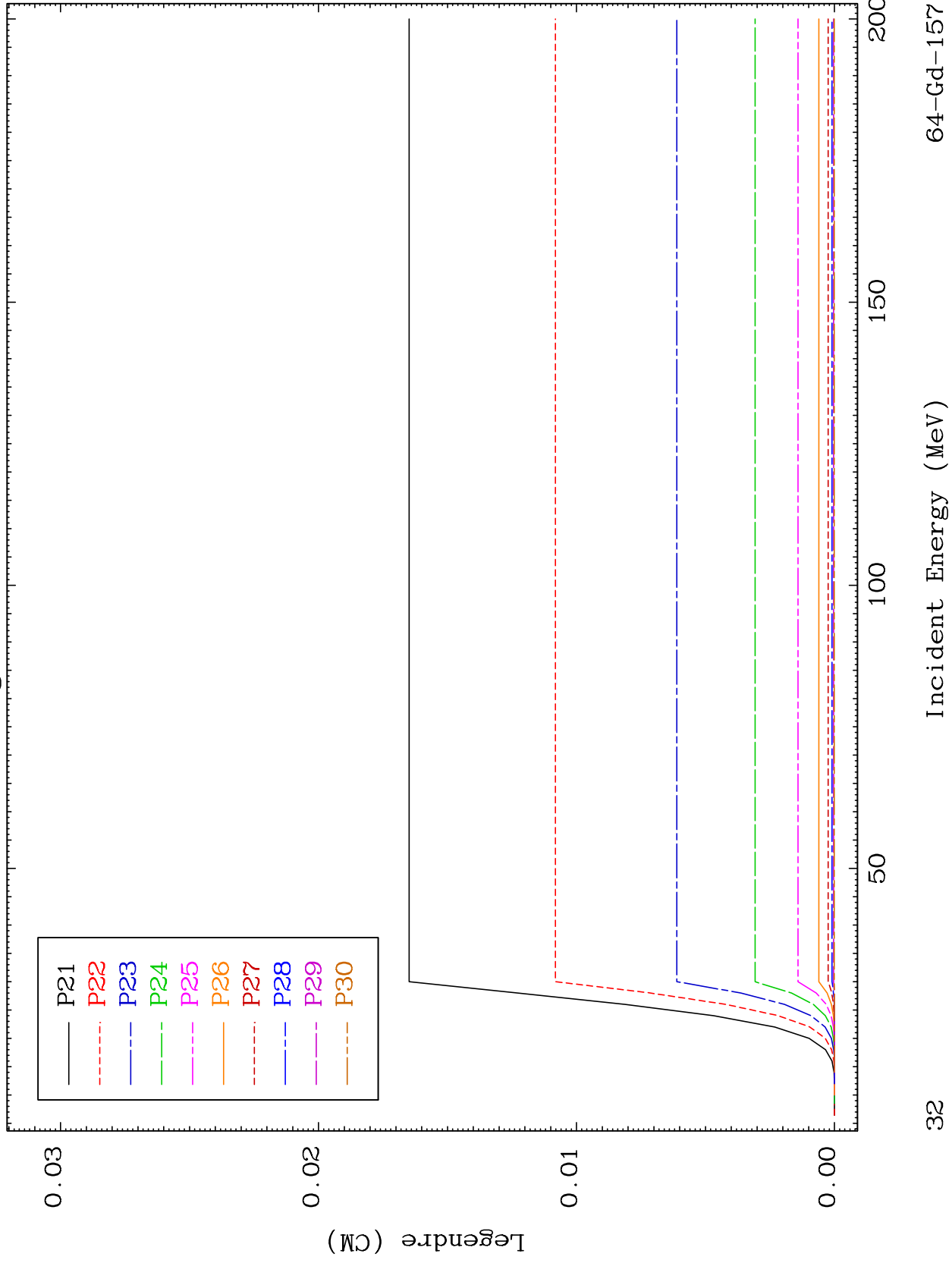
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



32

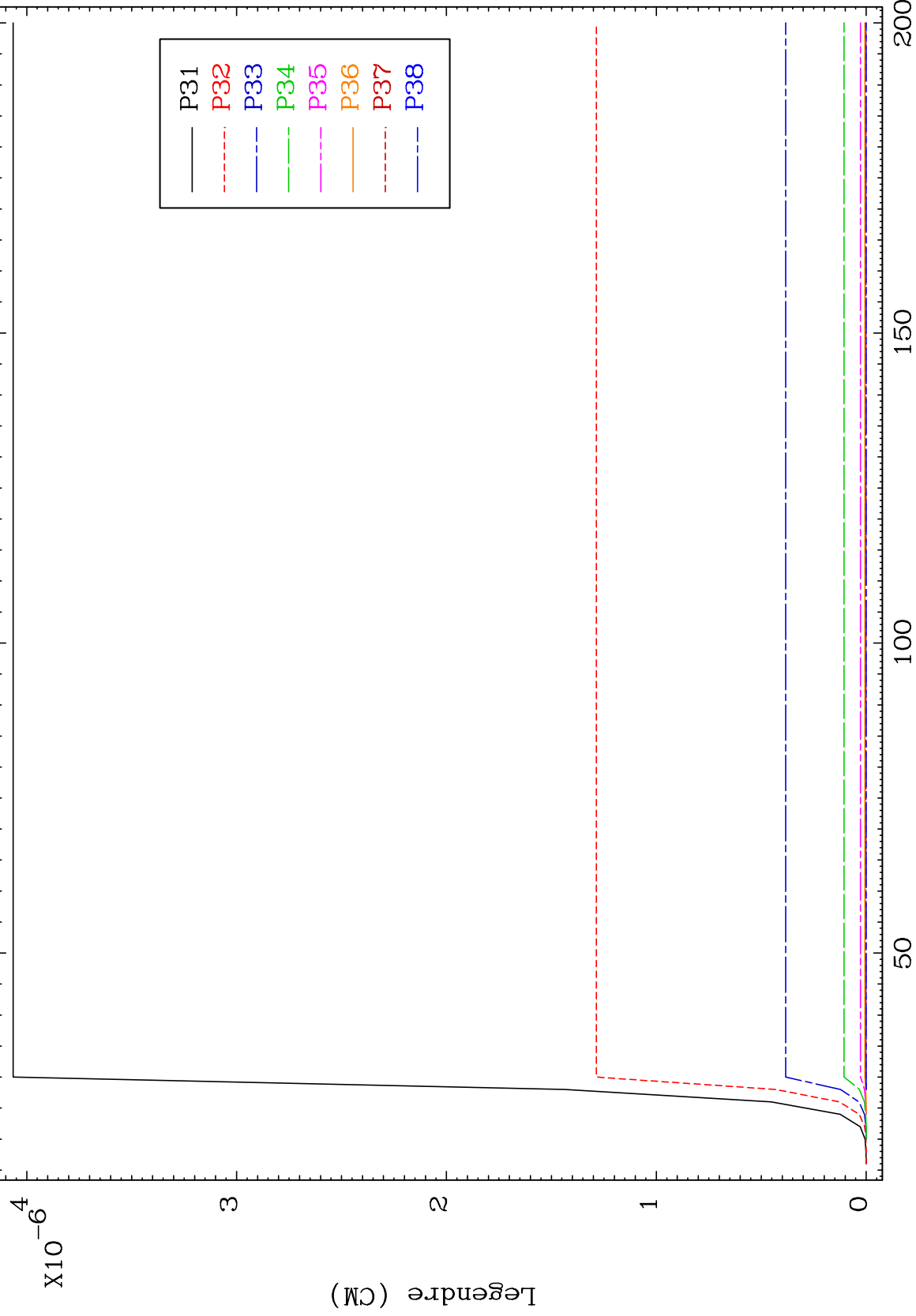
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



33

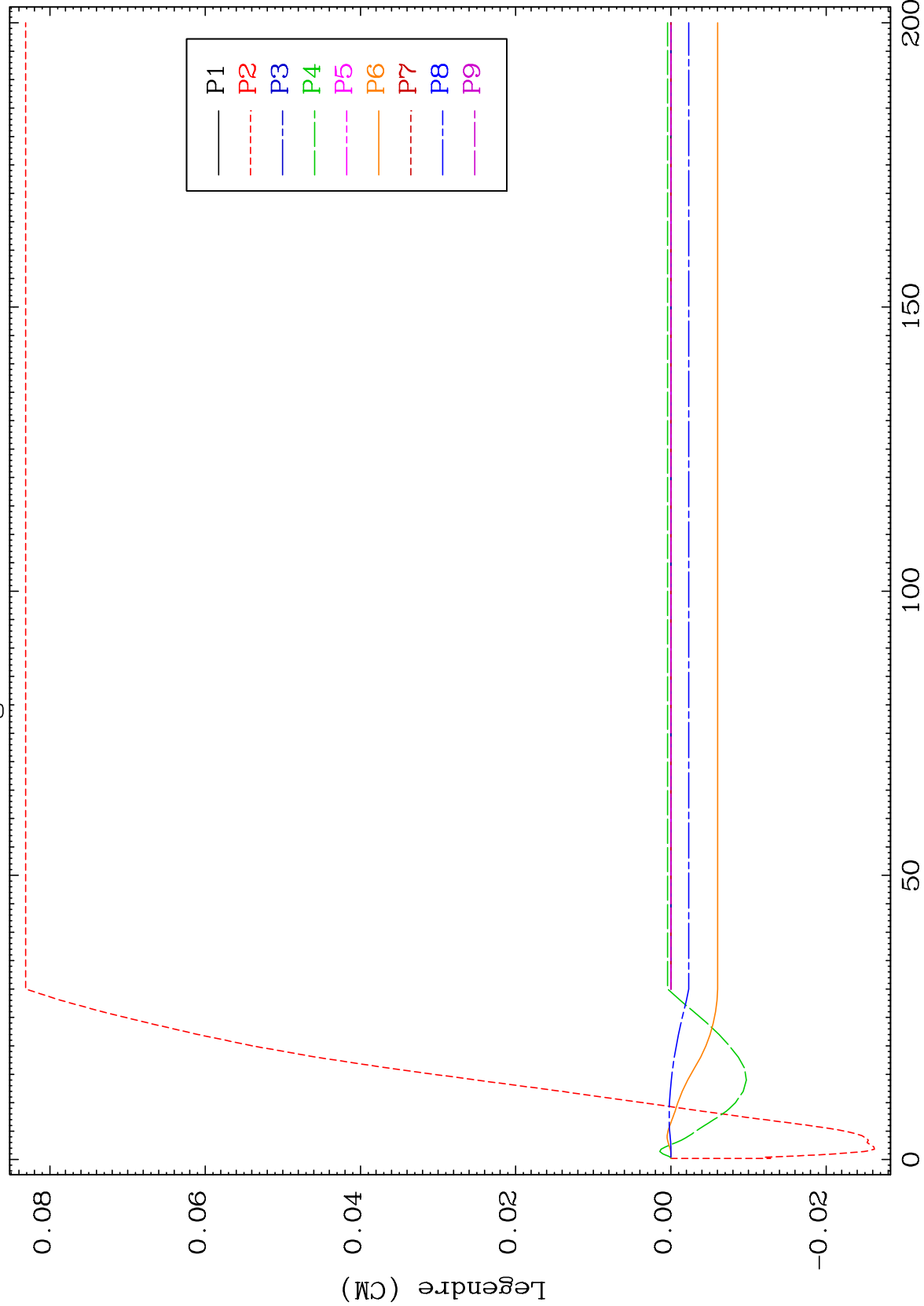
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



34

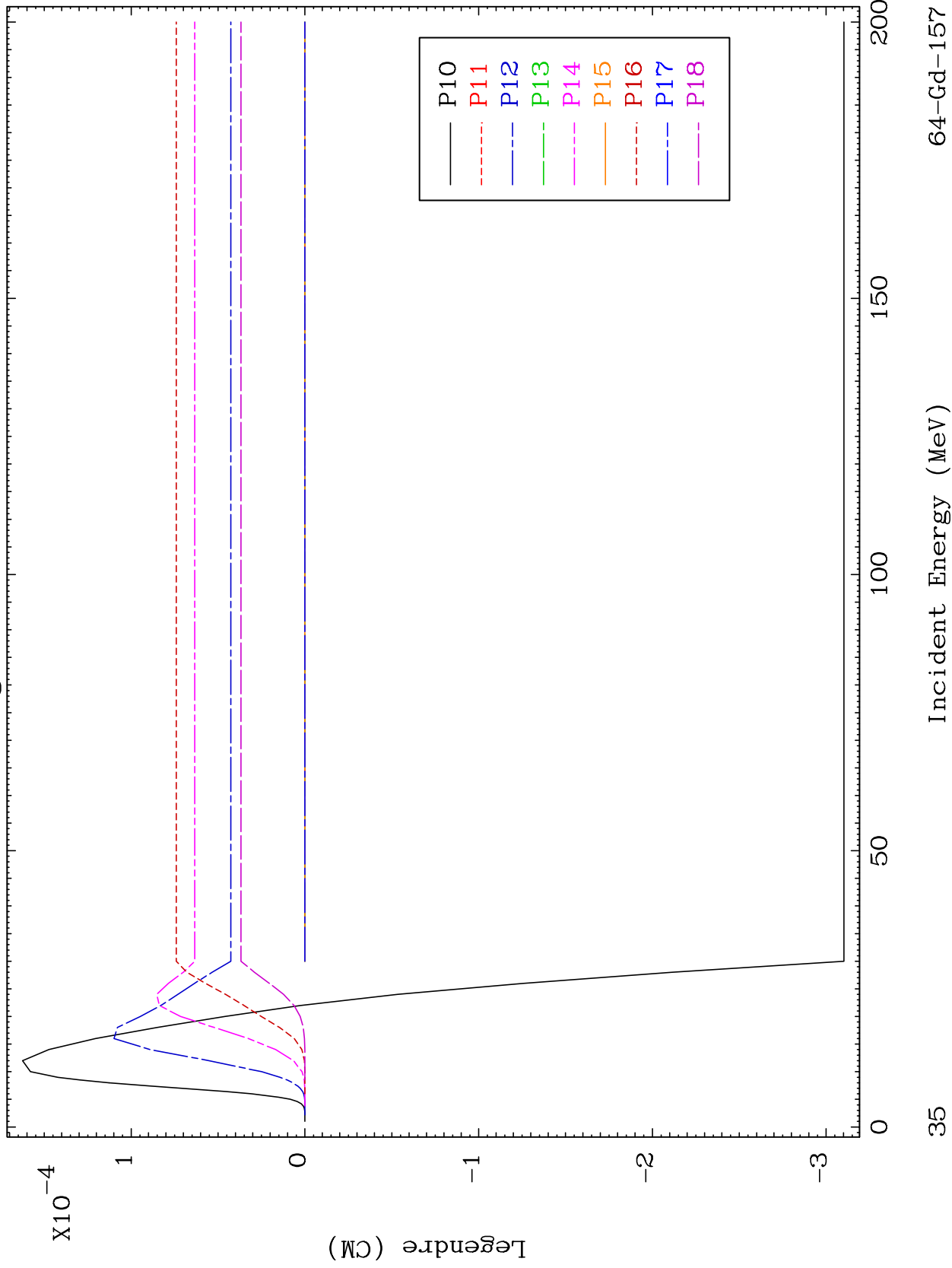
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

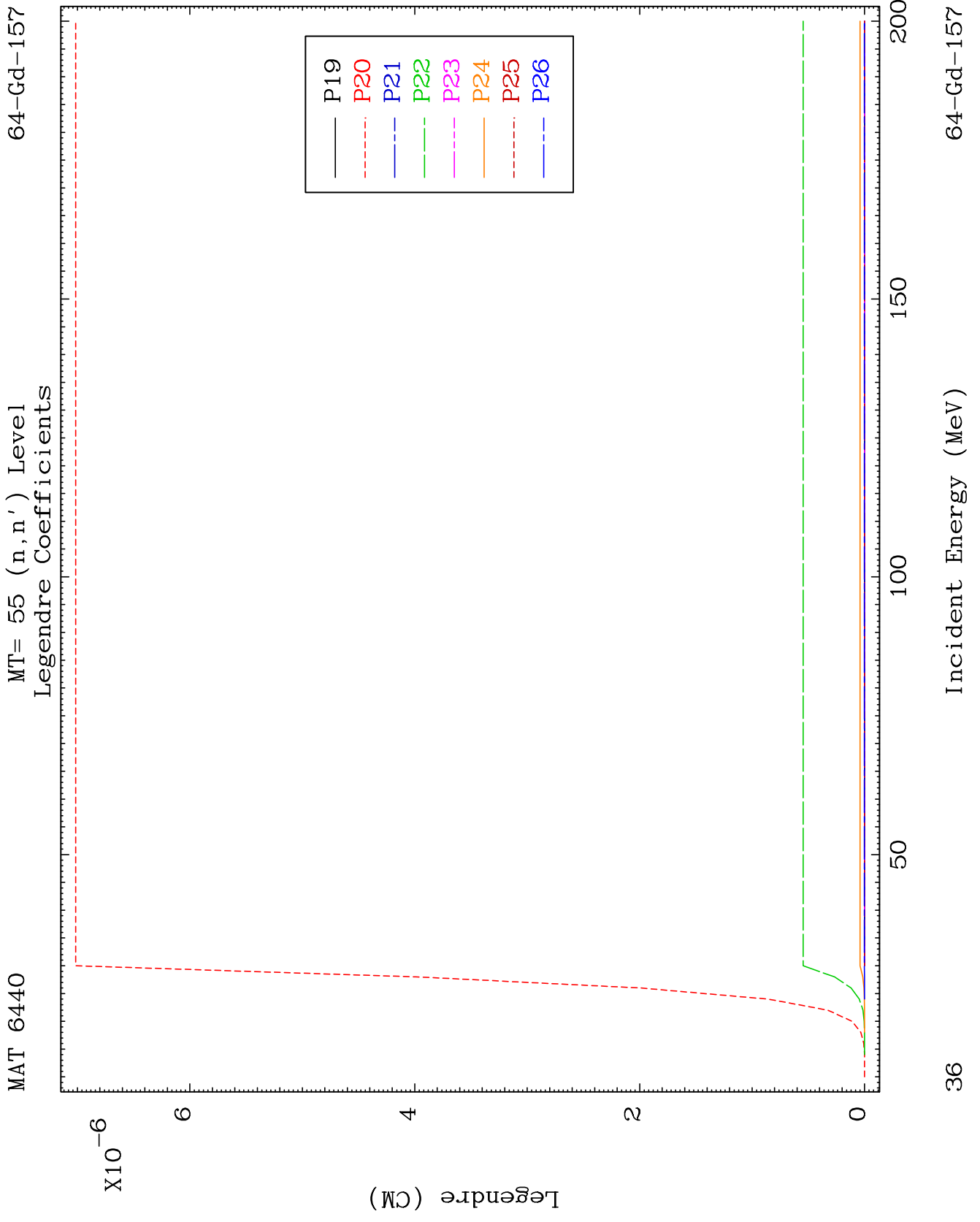
64-Gd-157



35

Incident Energy (MeV)

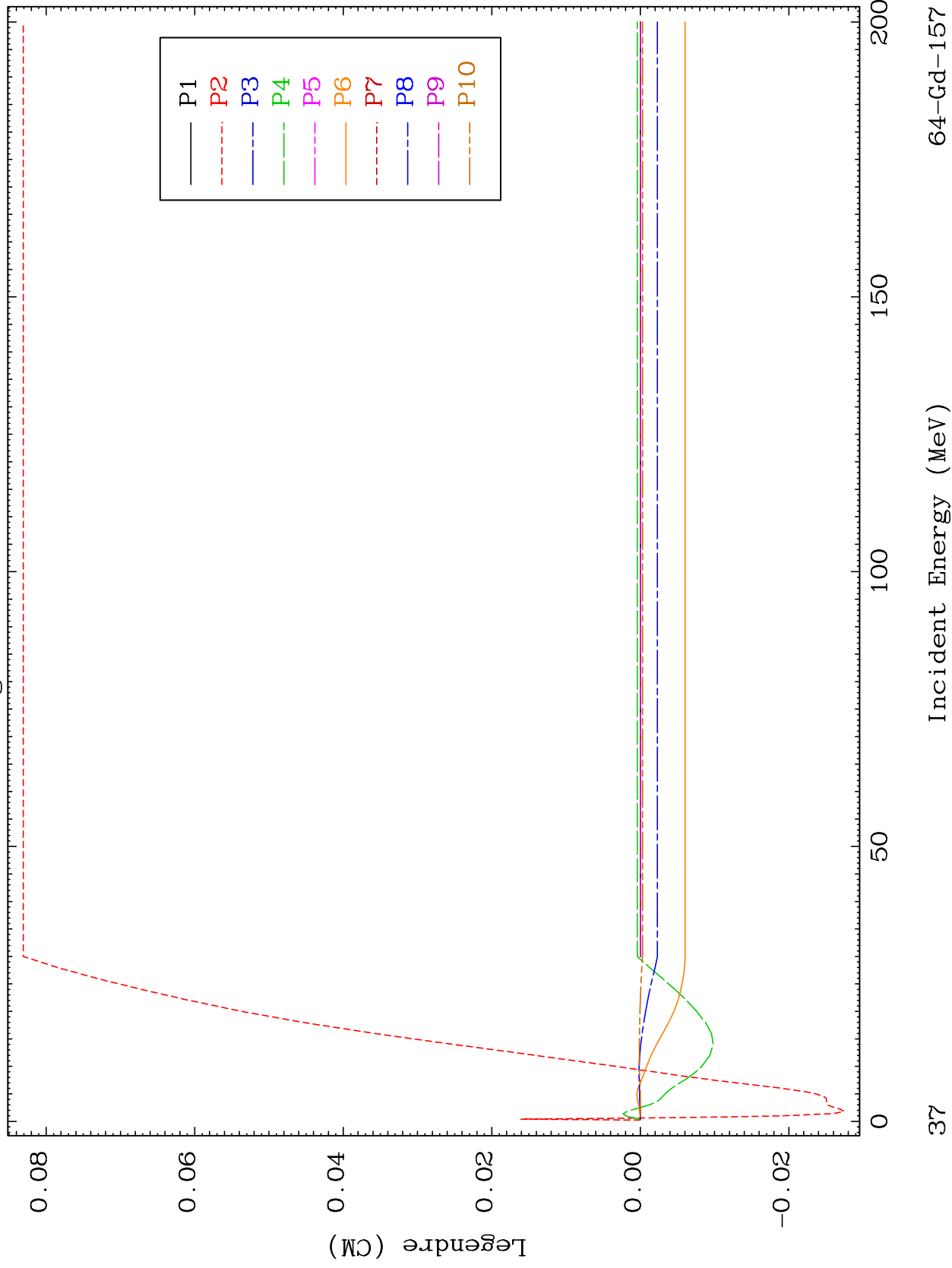
64-Gd-157



MAT 6440

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

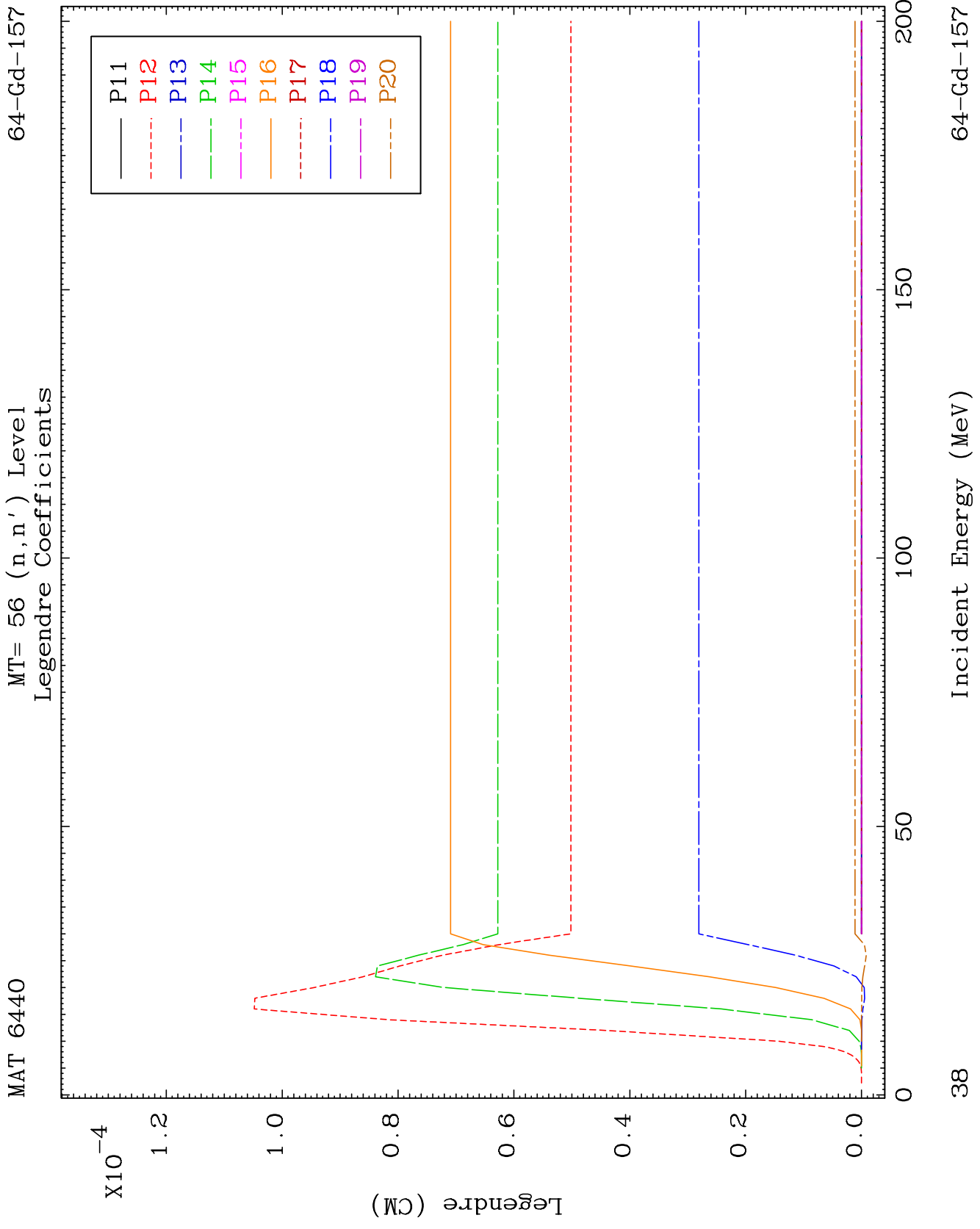
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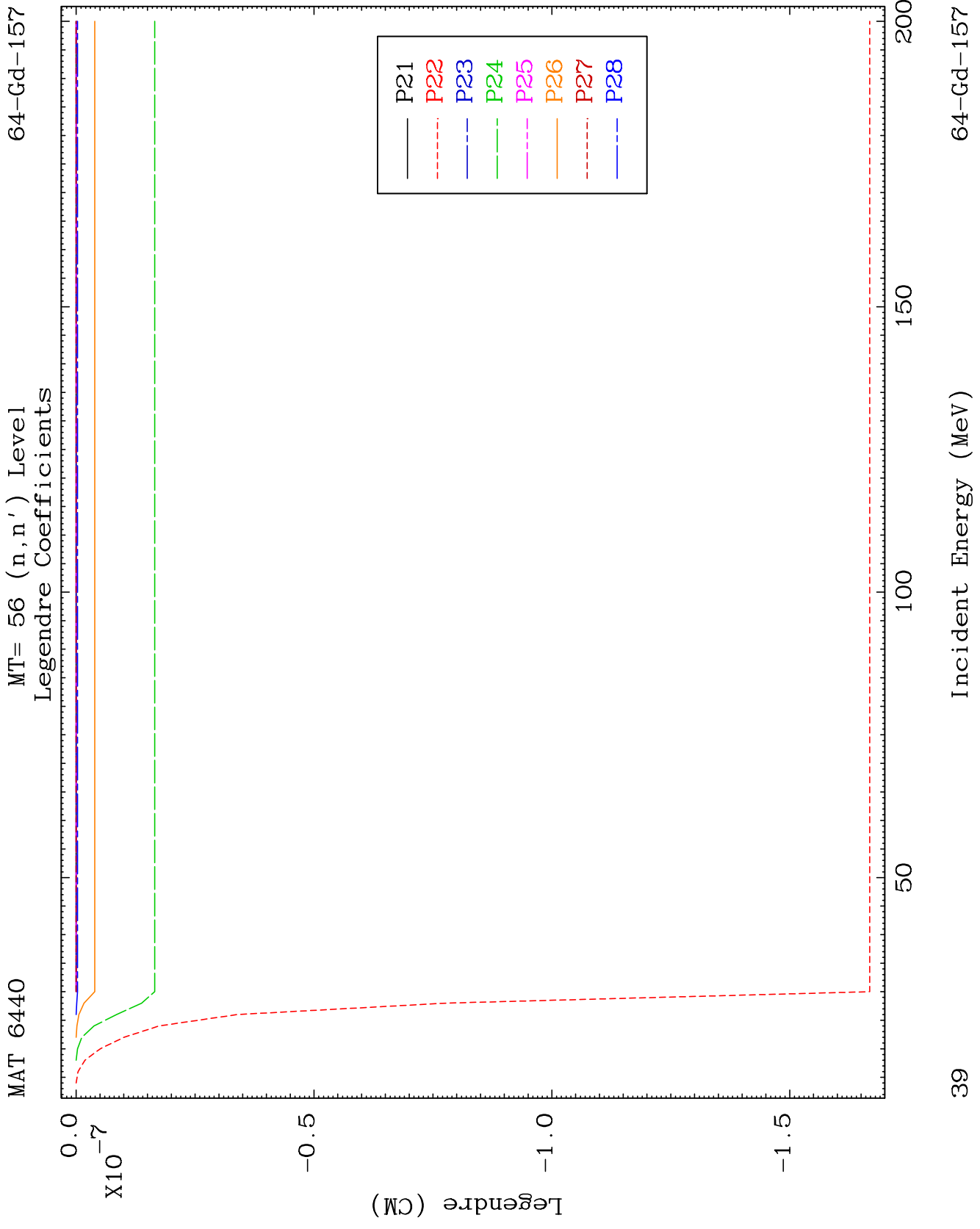


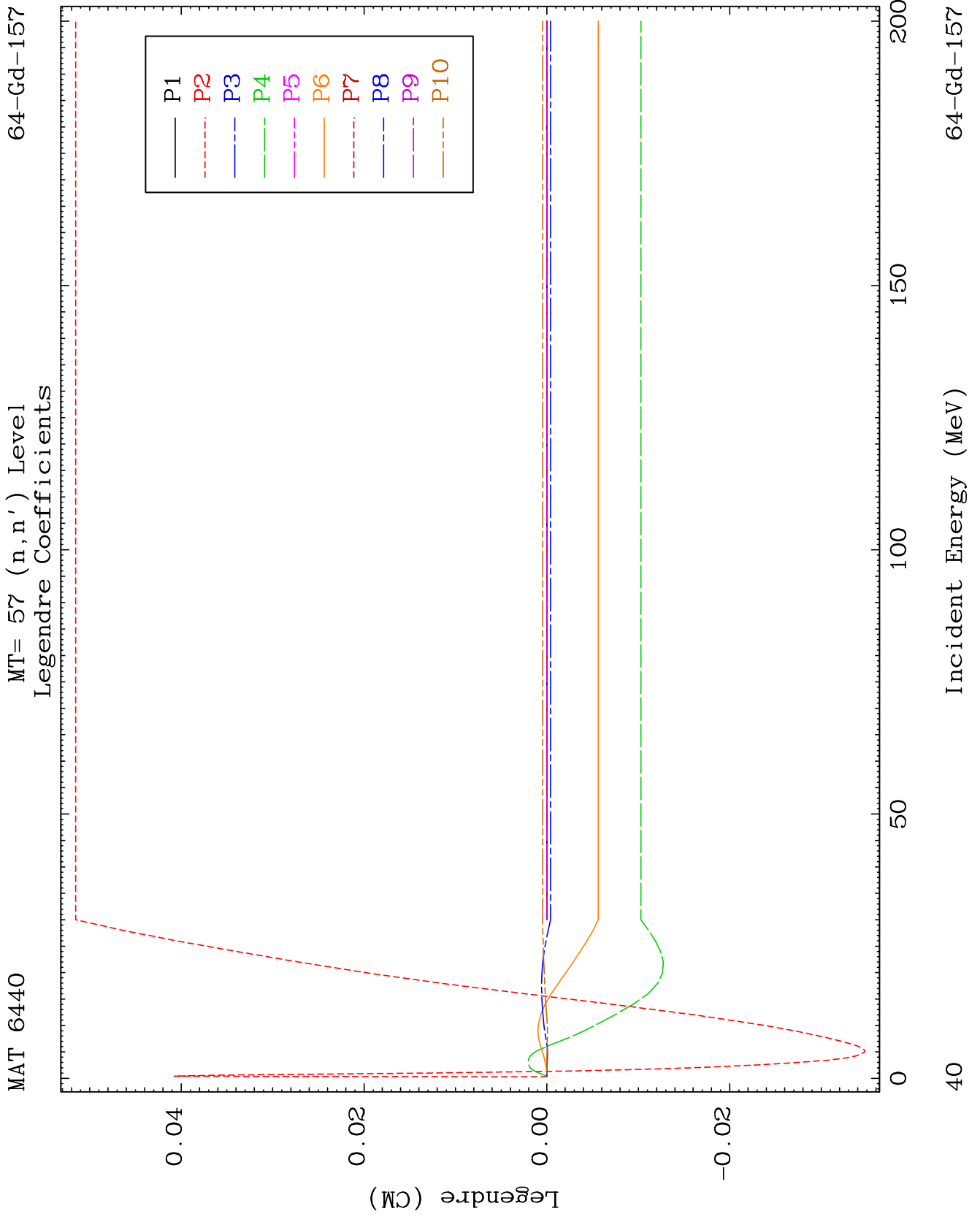
64-Gd-157

Incident Energy (MeV)

37





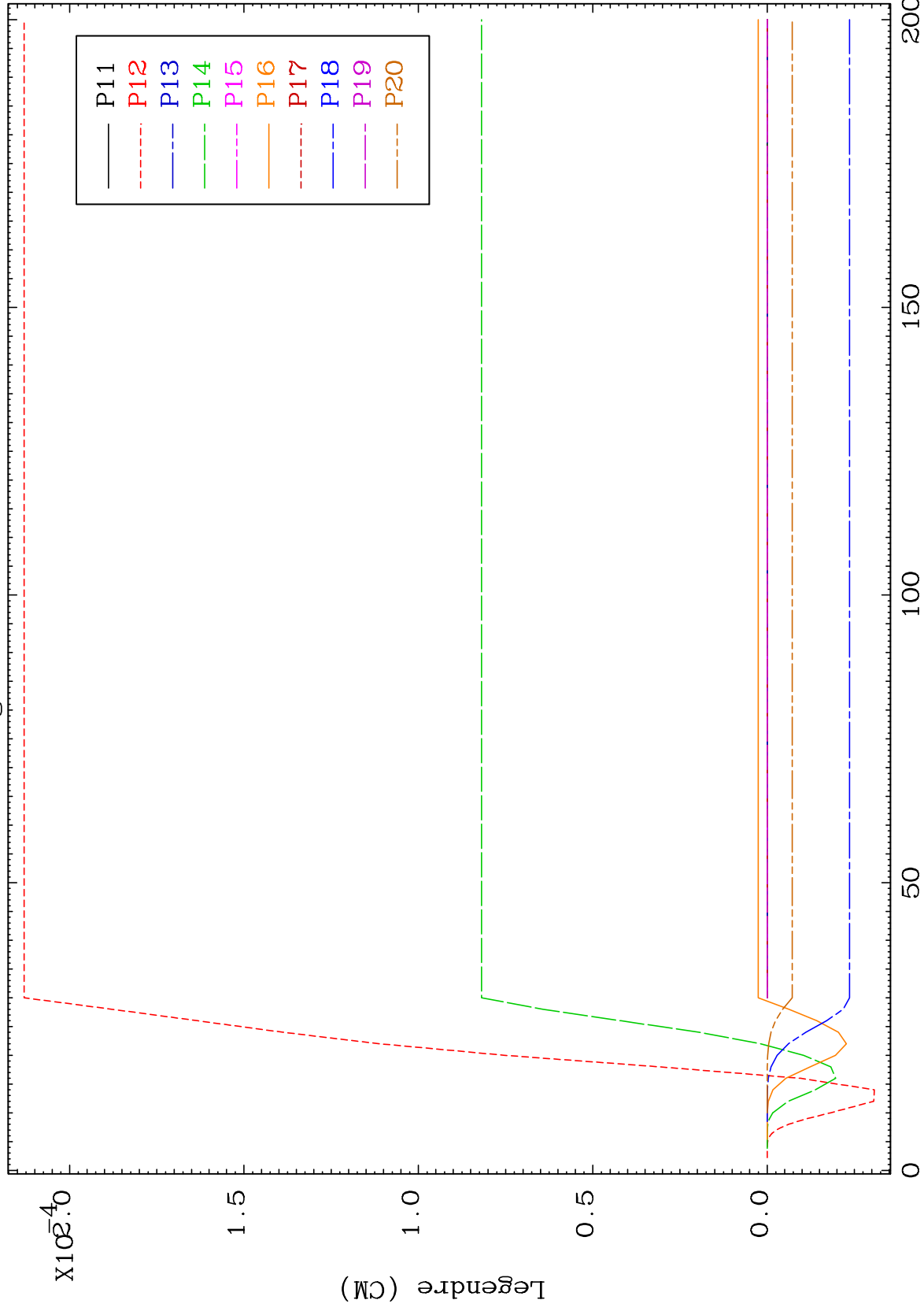


MAT 6440

MT= 57 (n,n') Level

64-Gd-157

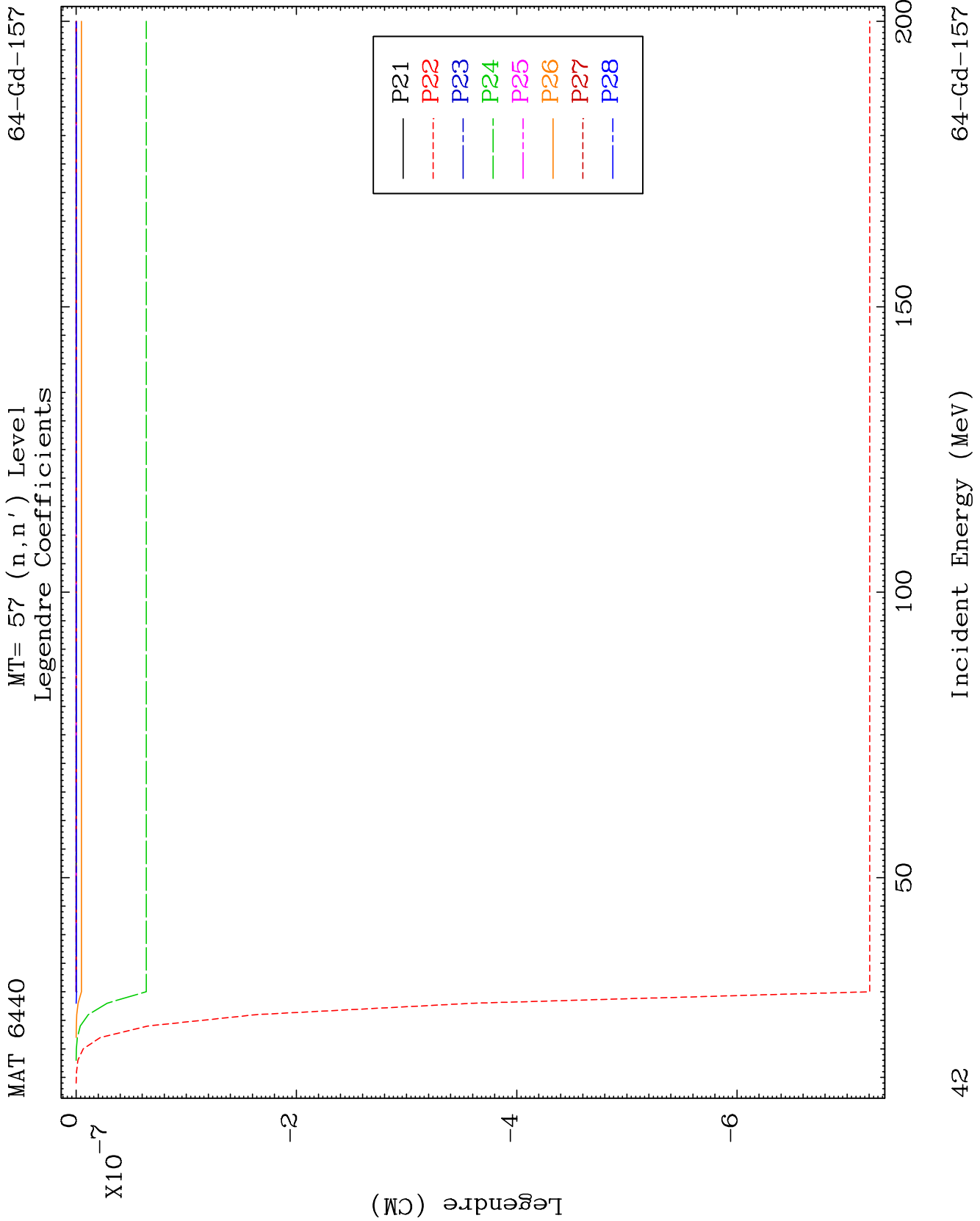
Legendre Coefficients

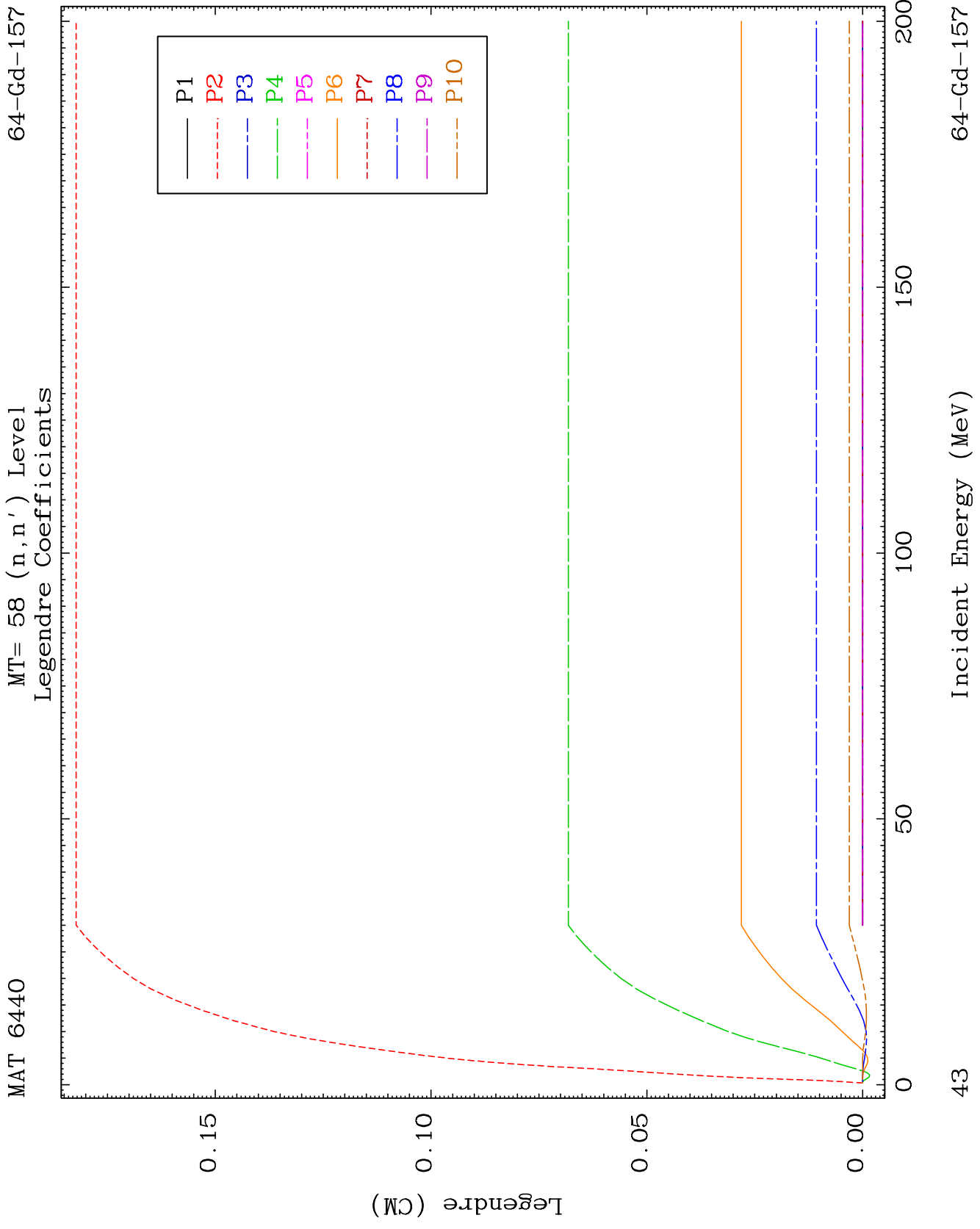


41

Incident Energy (MeV)

64-Gd-157





64-Gd-157

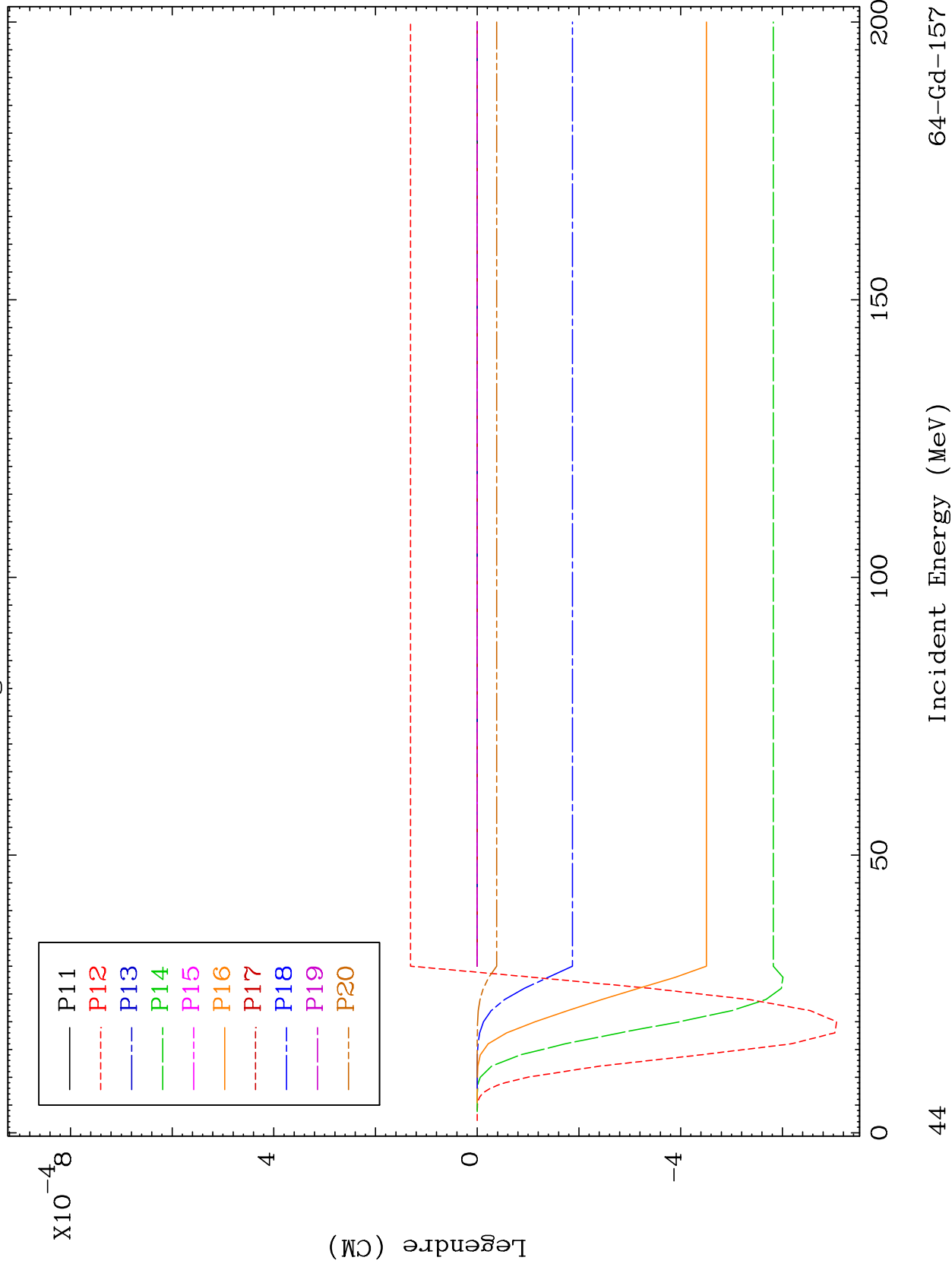
Incident Energy (MeV)

43

MAT 6440

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

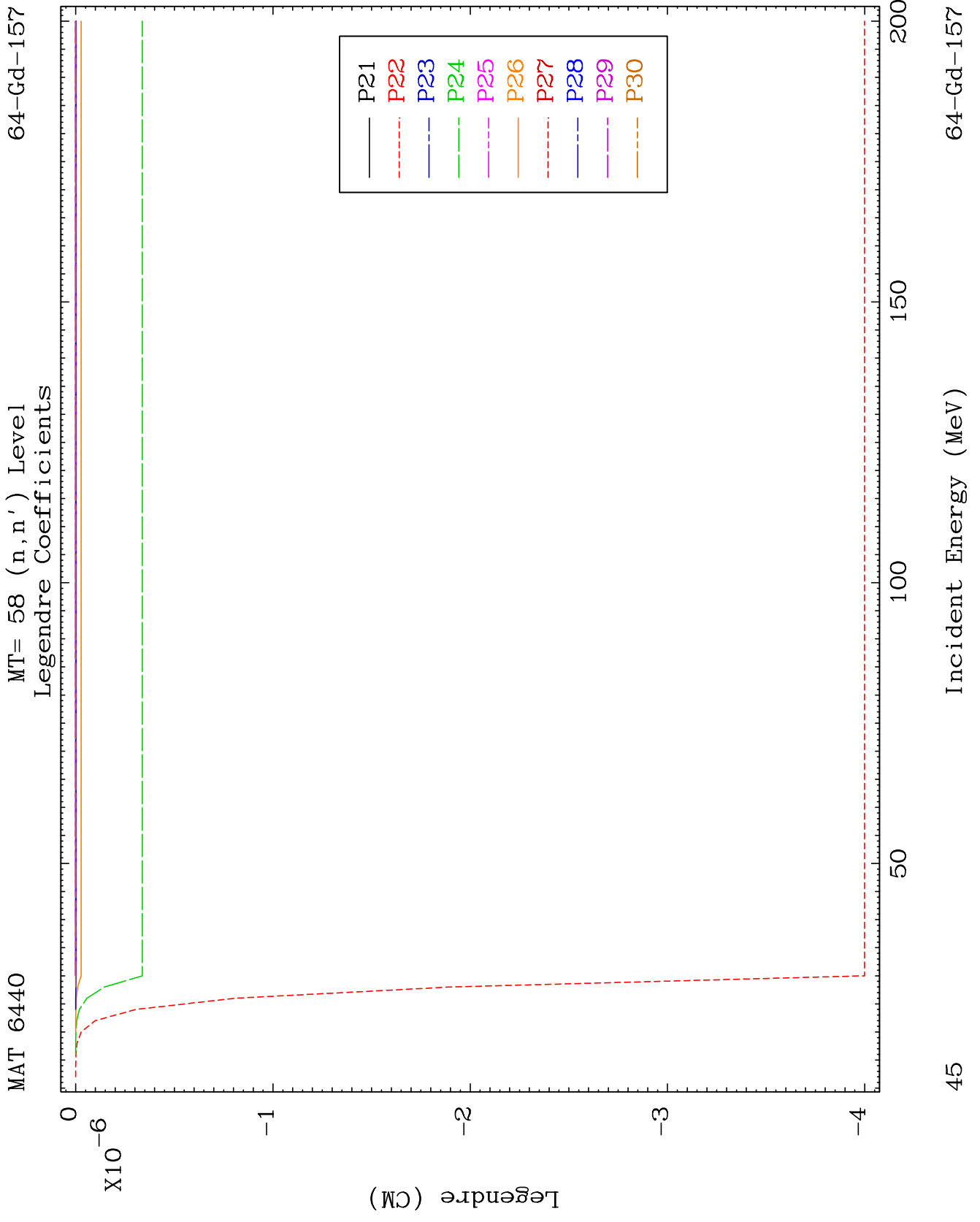
64-Gd-157



64-Gd-157

Incident Energy (MeV)

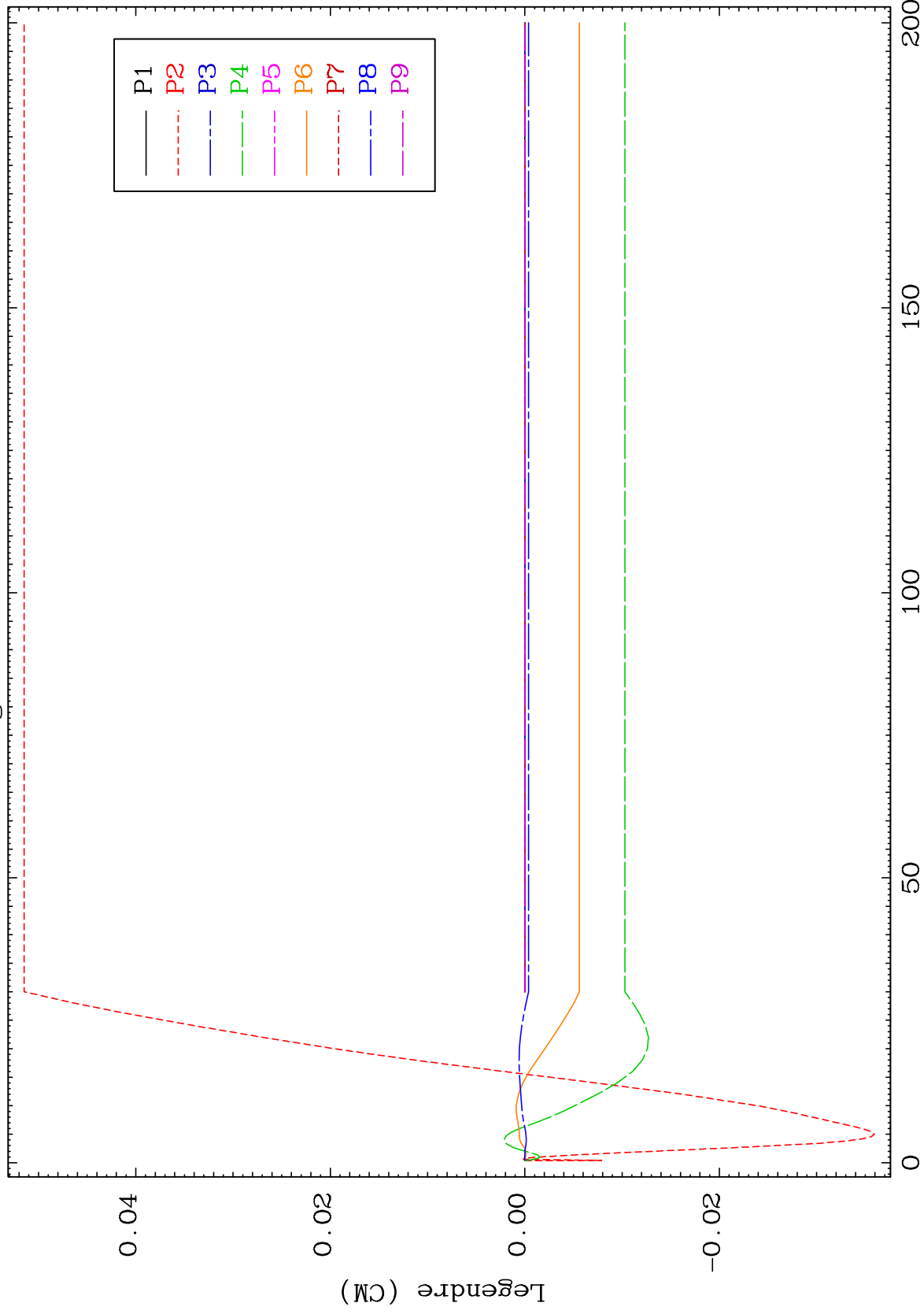
44



MAT 6440

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

64-Gd-157



46

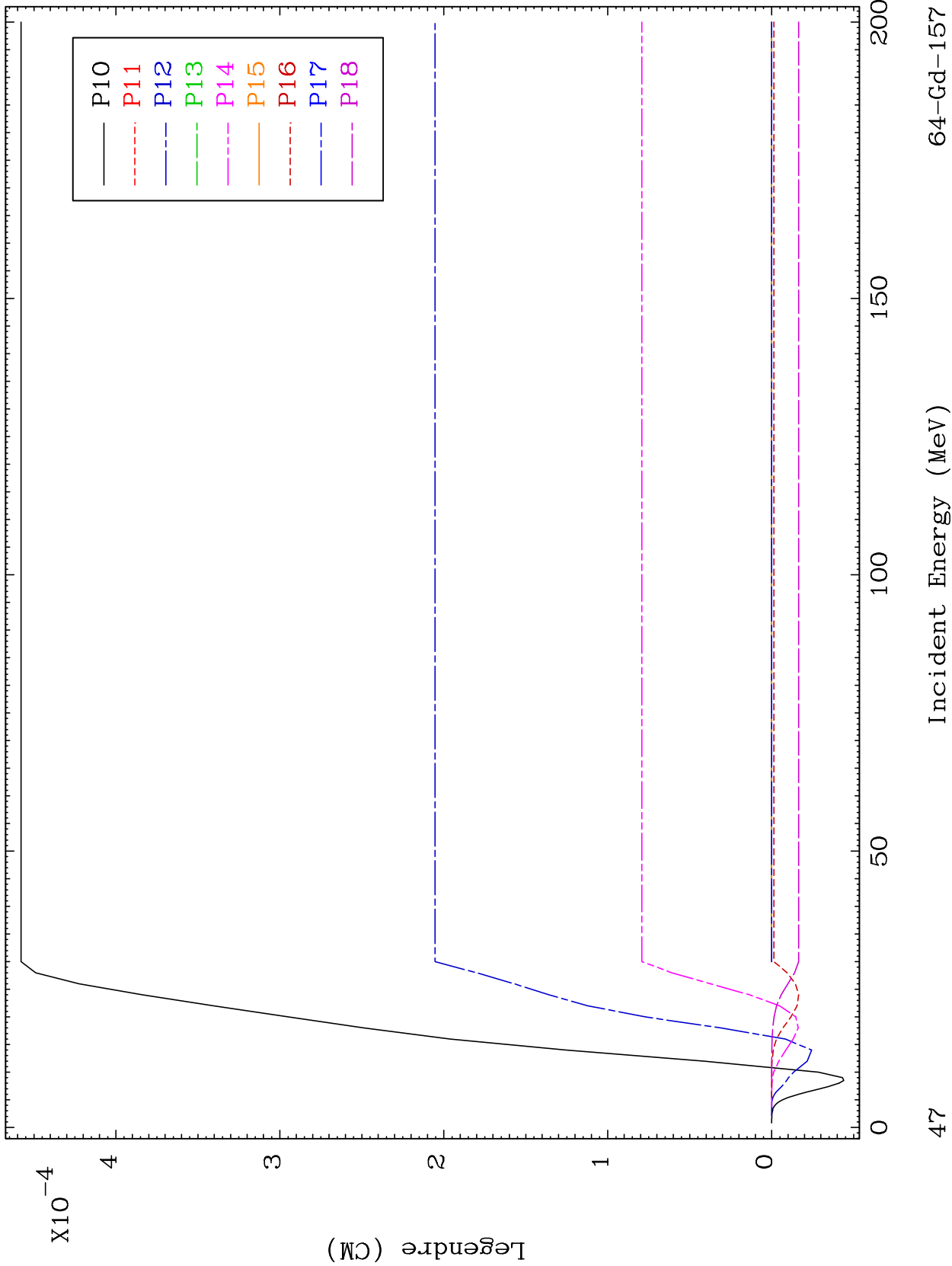
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

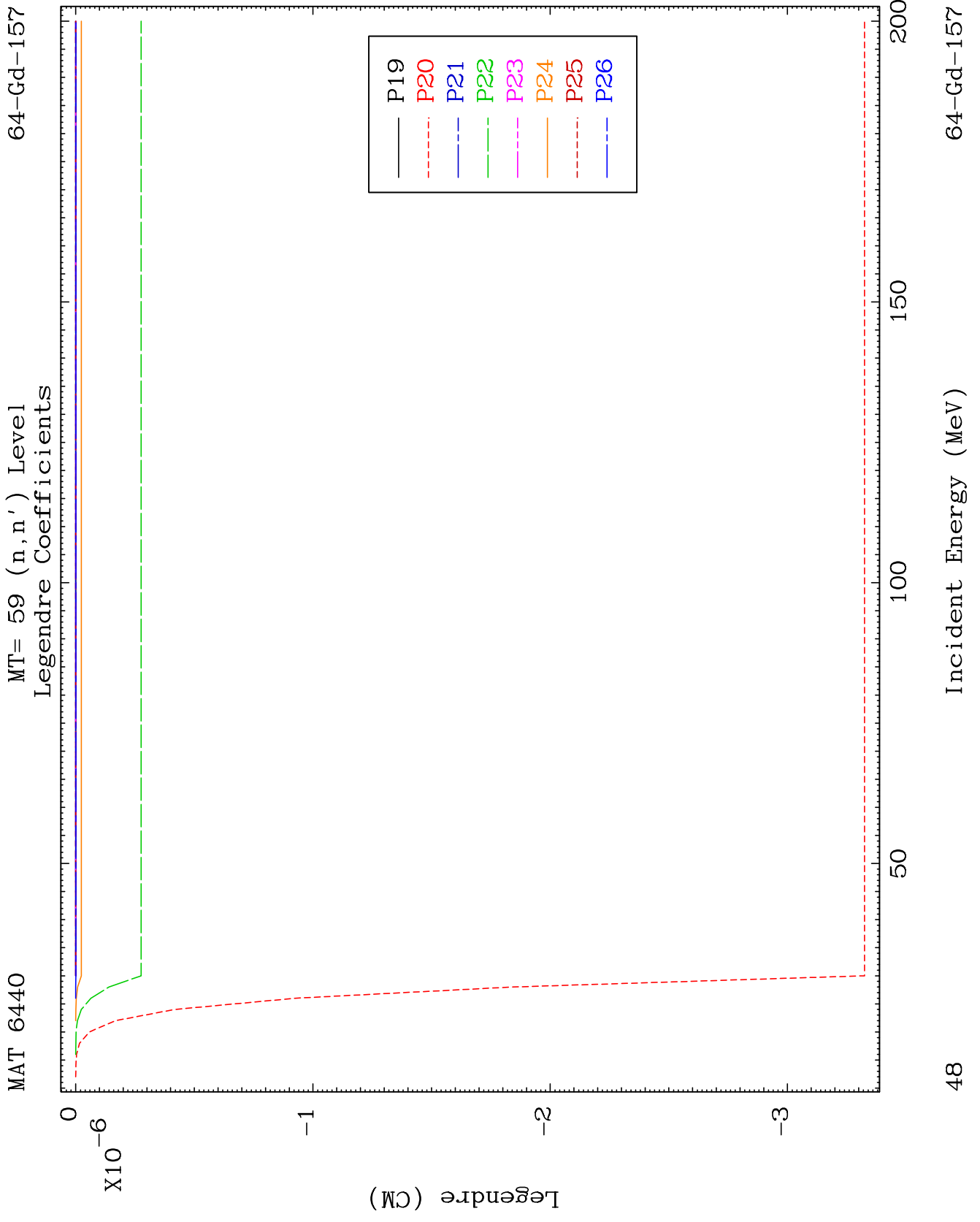
64-Gd-157



64-Gd-157

Incident Energy (MeV)

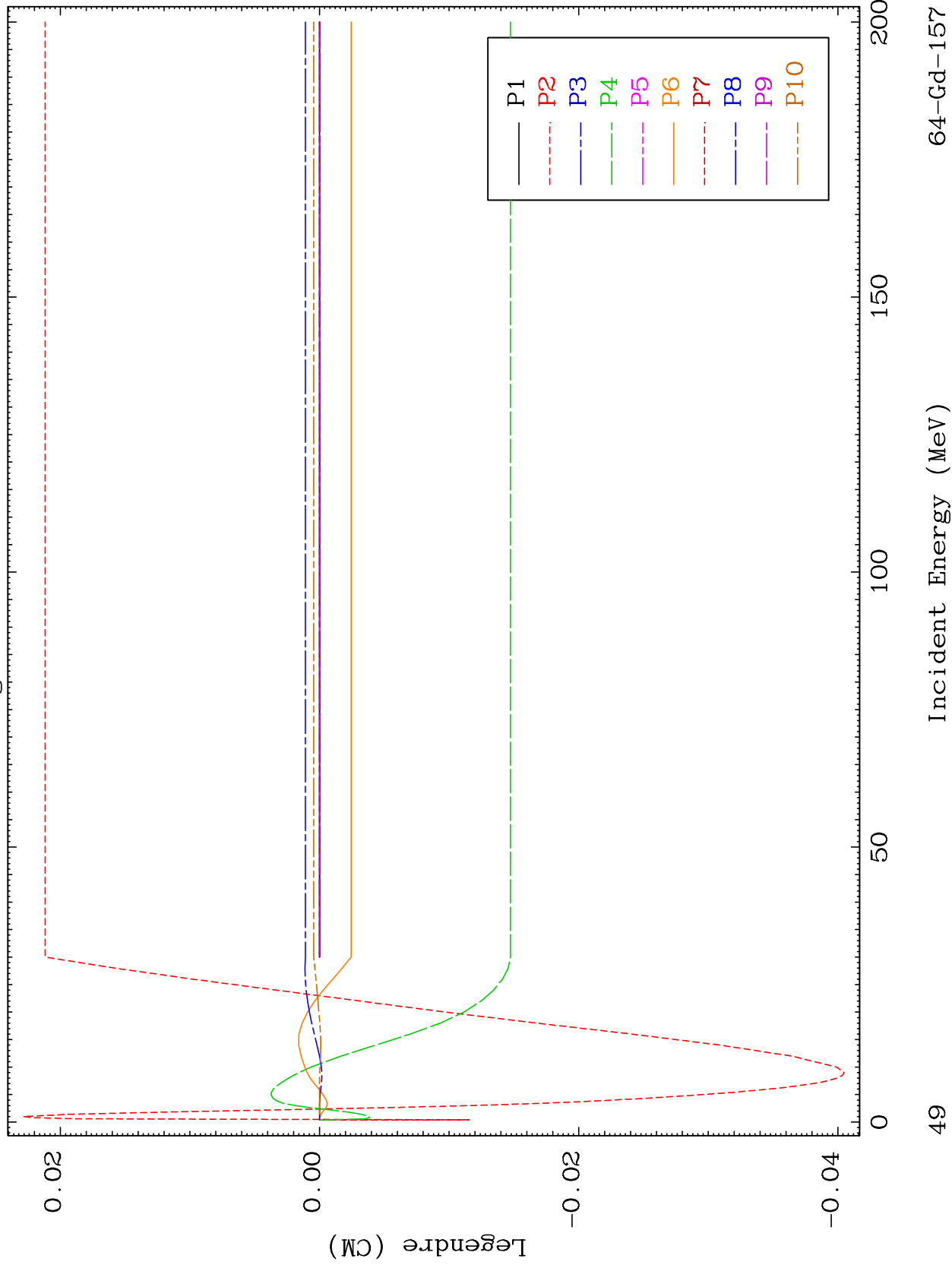
47



MAT 6440

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

64-Gd-157



64-Gd-157

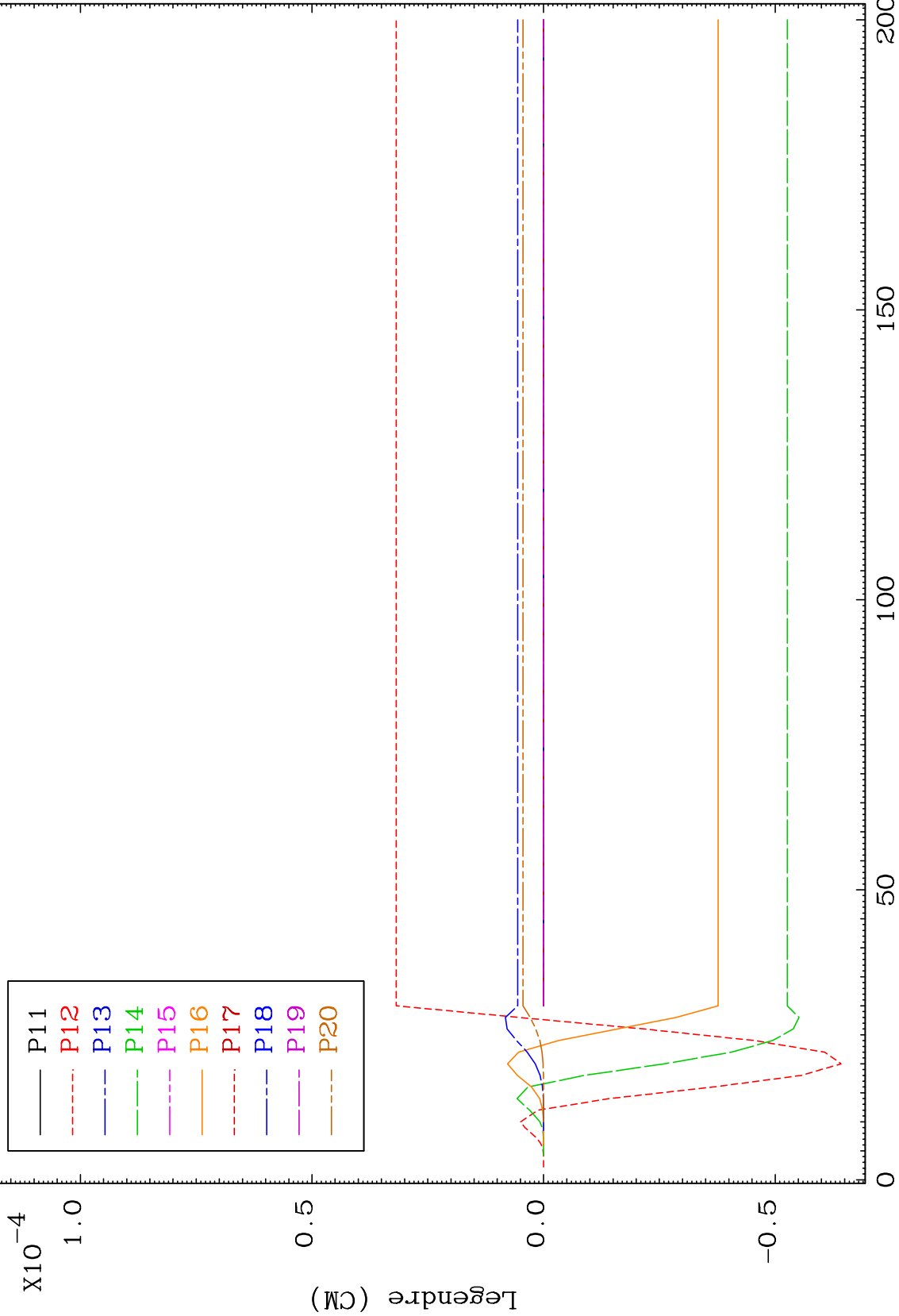
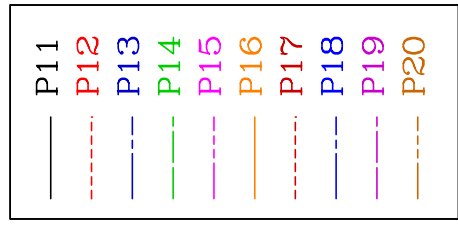
Incident Energy (MeV)

49

MAT 6440

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

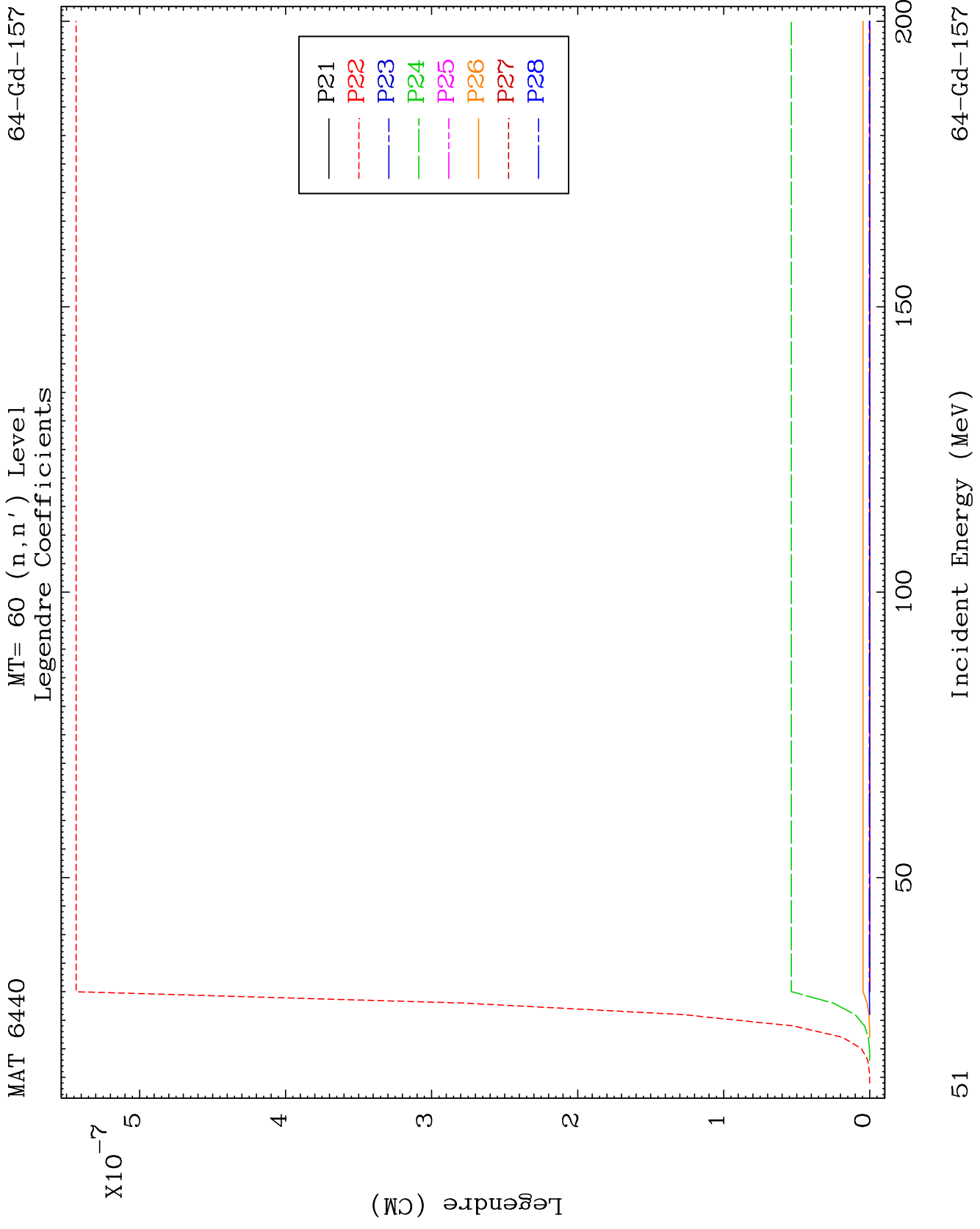
64-Gd-157



64-Gd-157

Incident Energy (MeV)

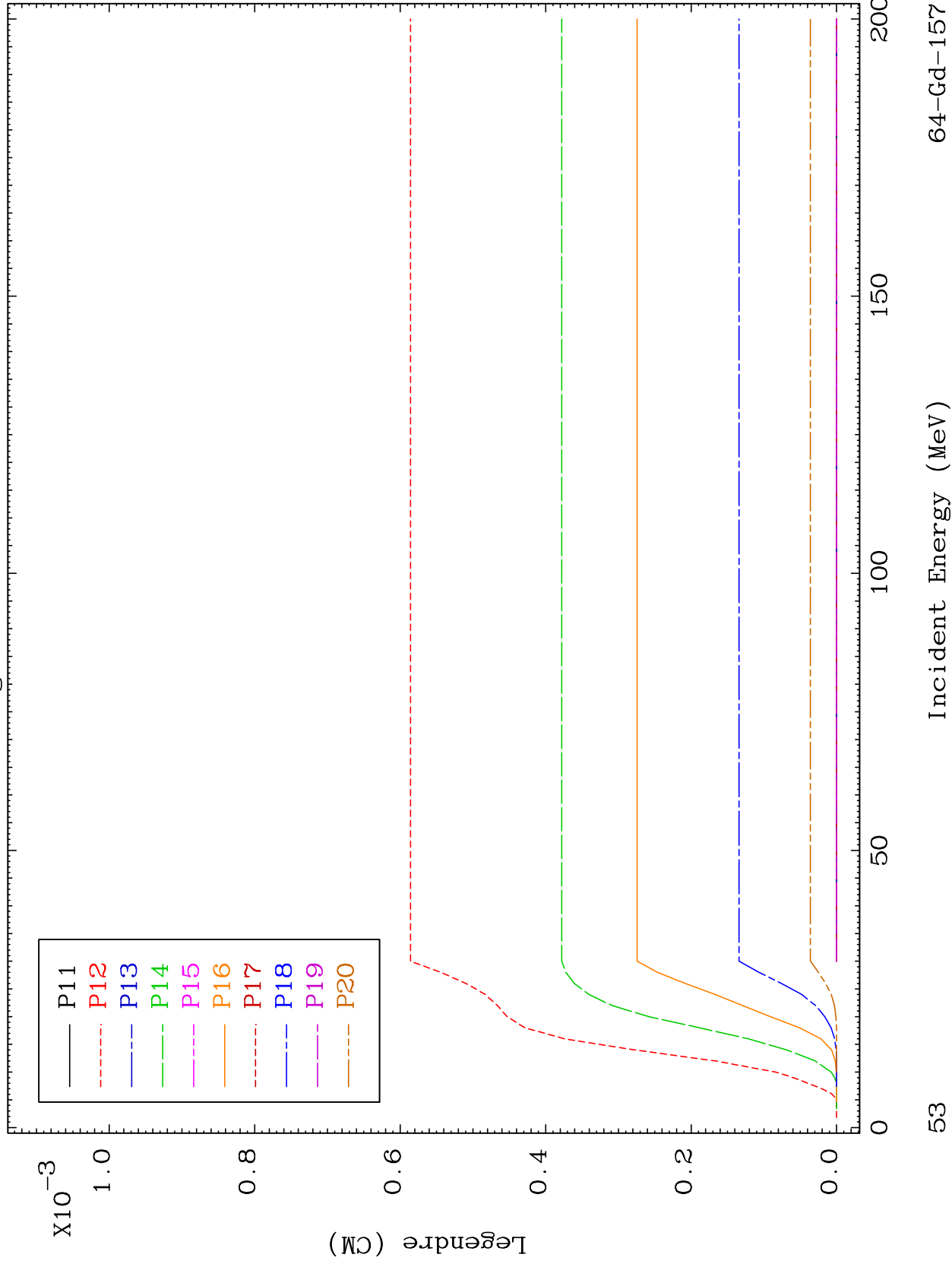
50



MAT 6440

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

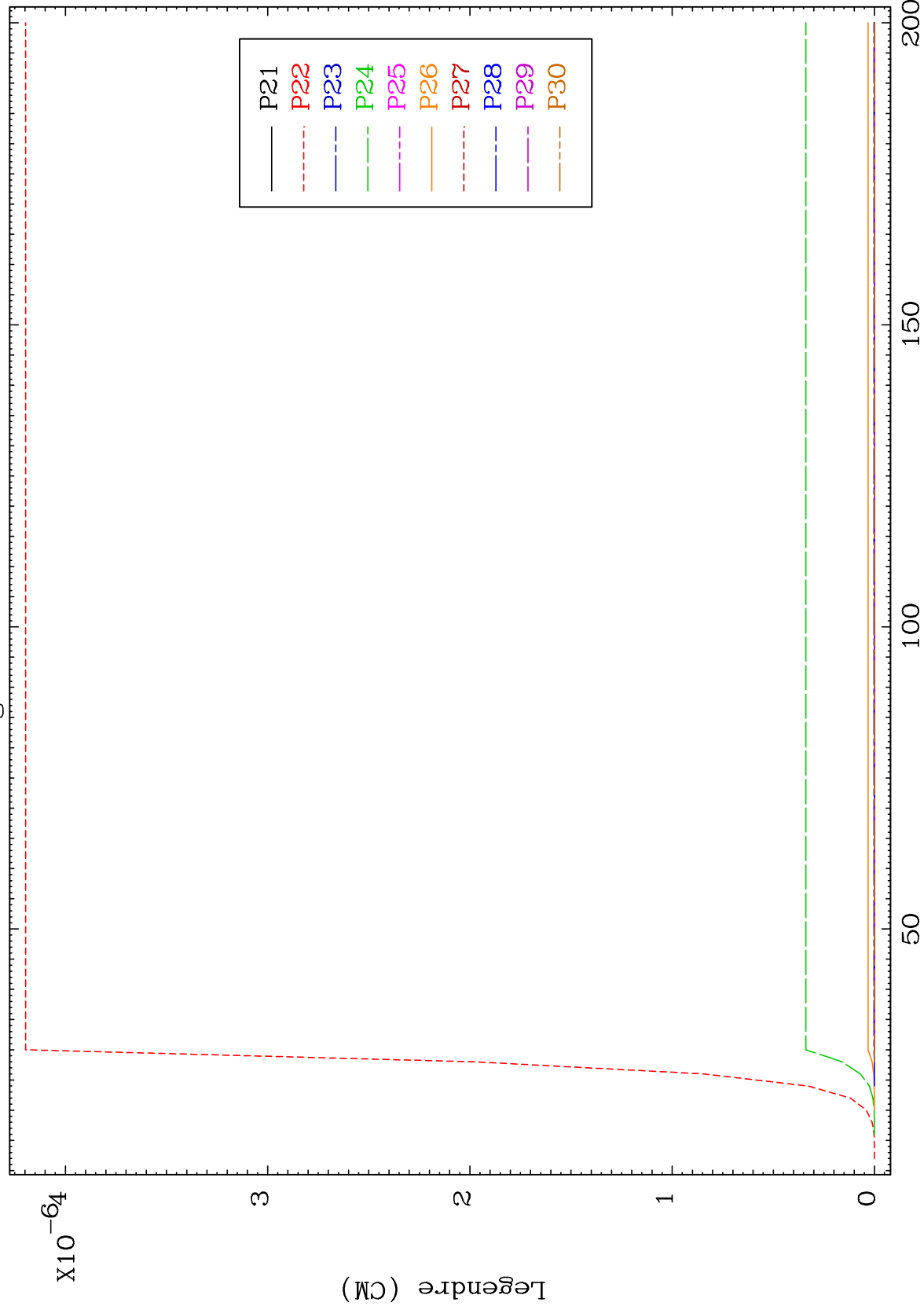
64-Gd-157



MAT 6440

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

64-Gd-157



64-Gd-157

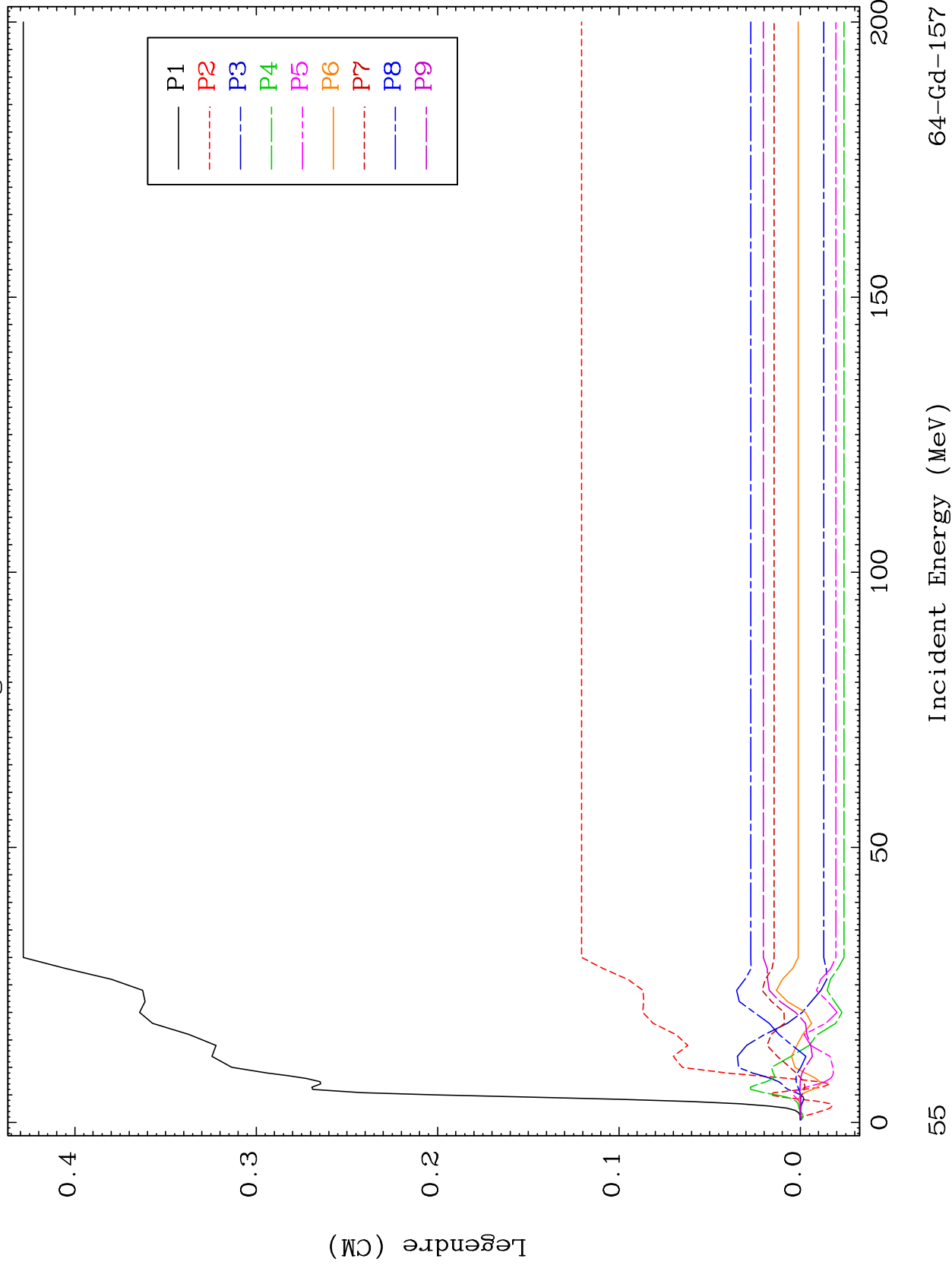
Incident Energy (MeV)

54

MAT 6440

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

64-Gd-157



64-Gd-157

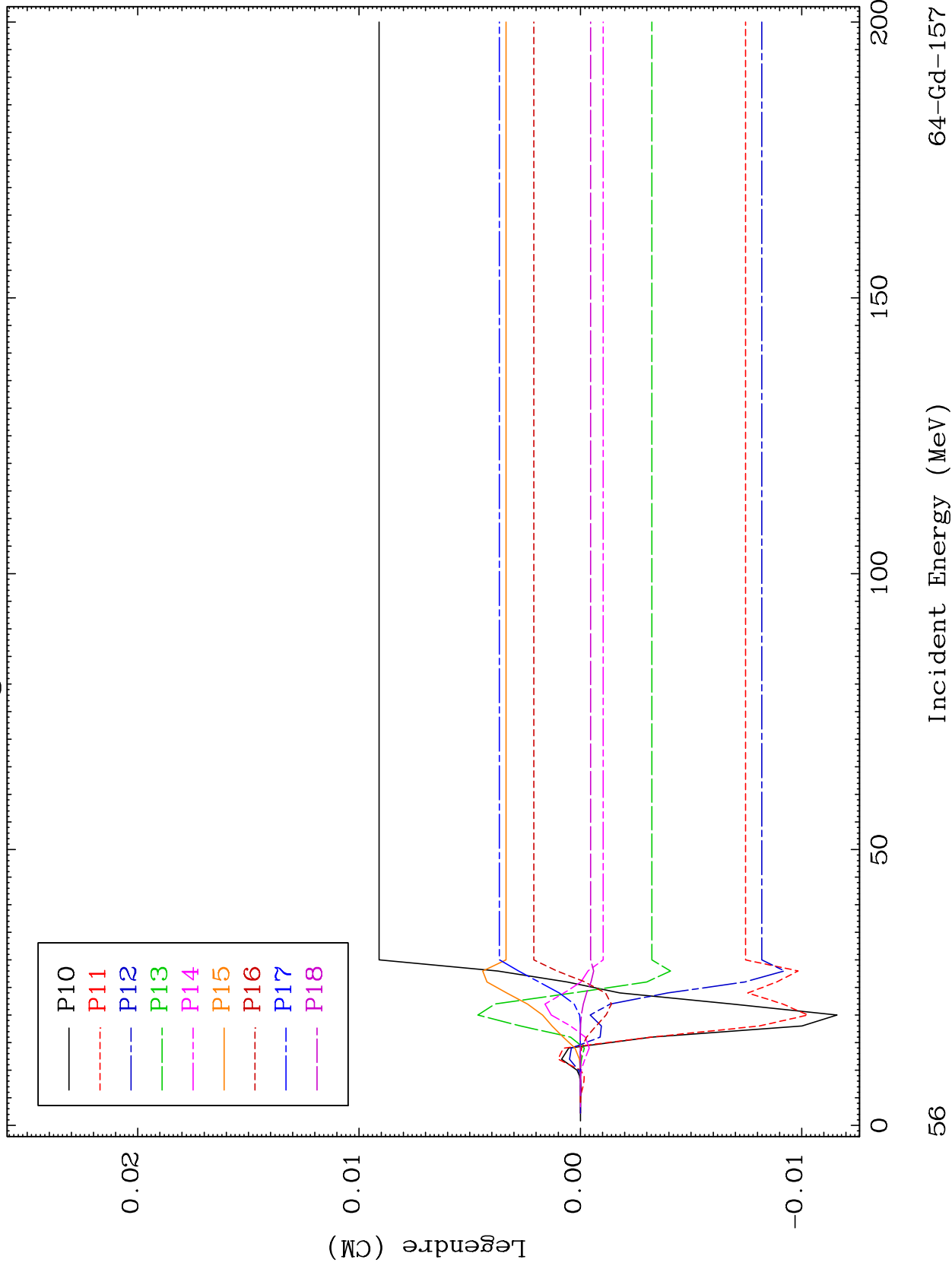
Incident Energy (MeV)

55

MAT 6440

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

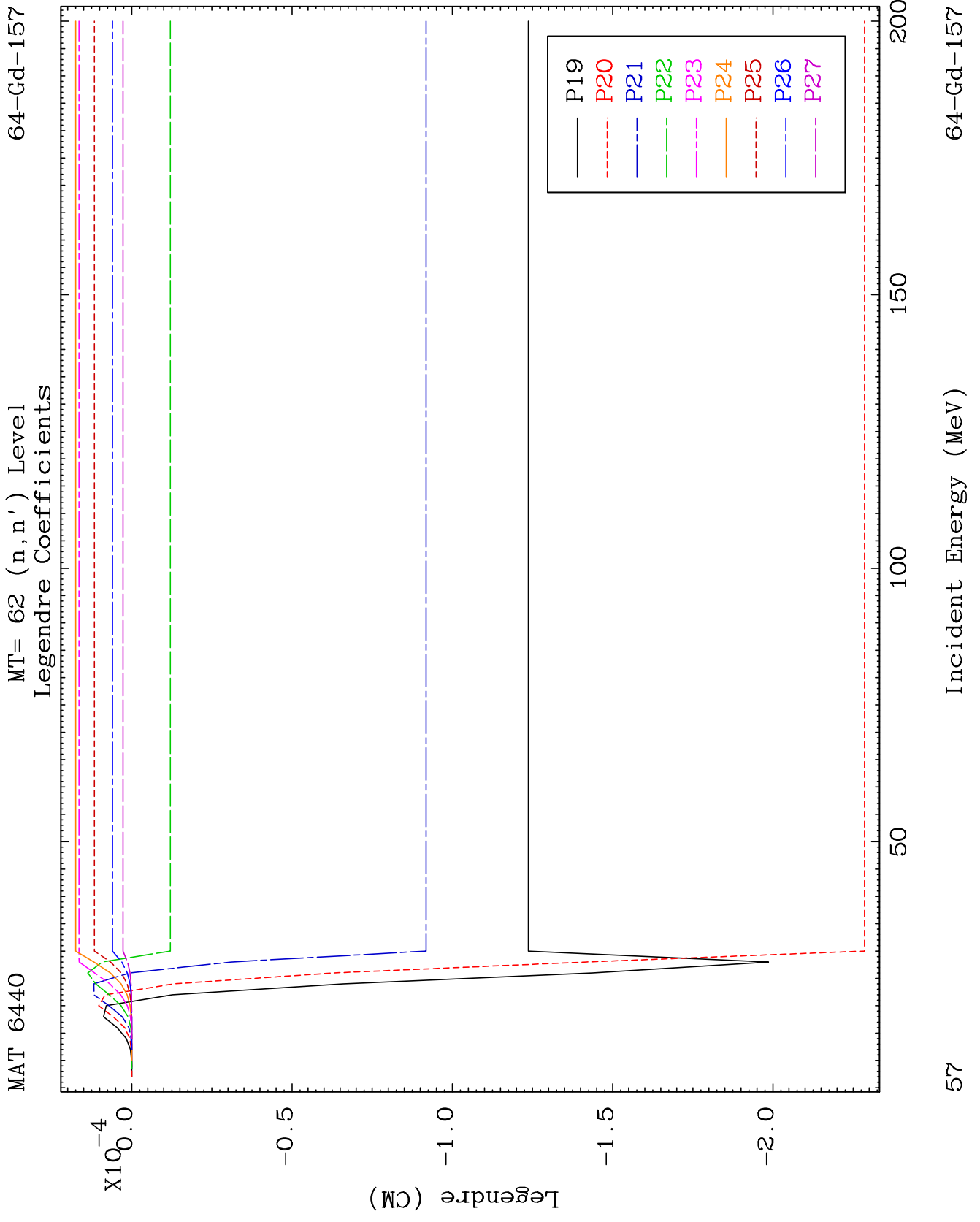
64-Gd-157



56

Incident Energy (MeV)

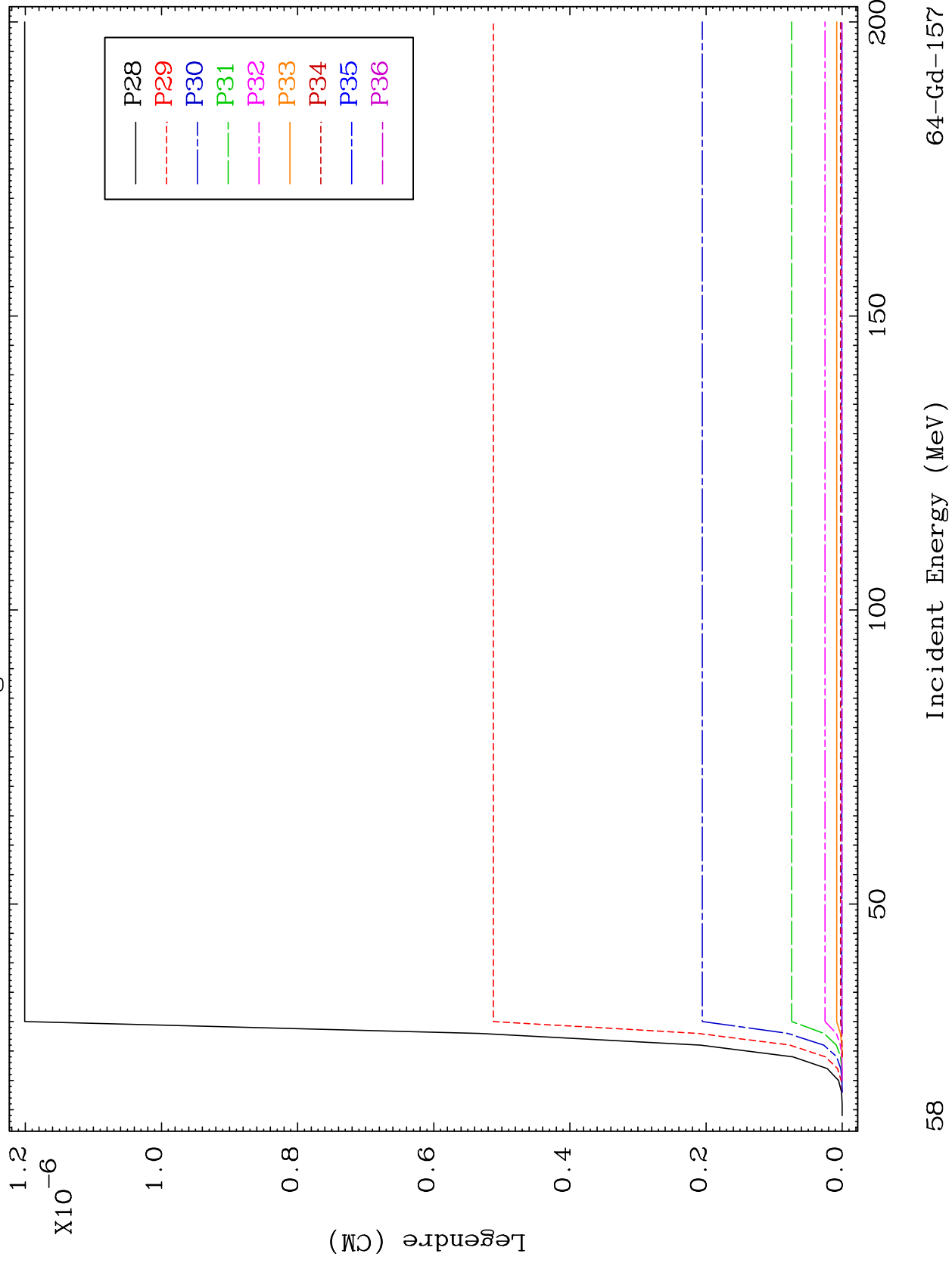
64-Gd-157



MAT 6440

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

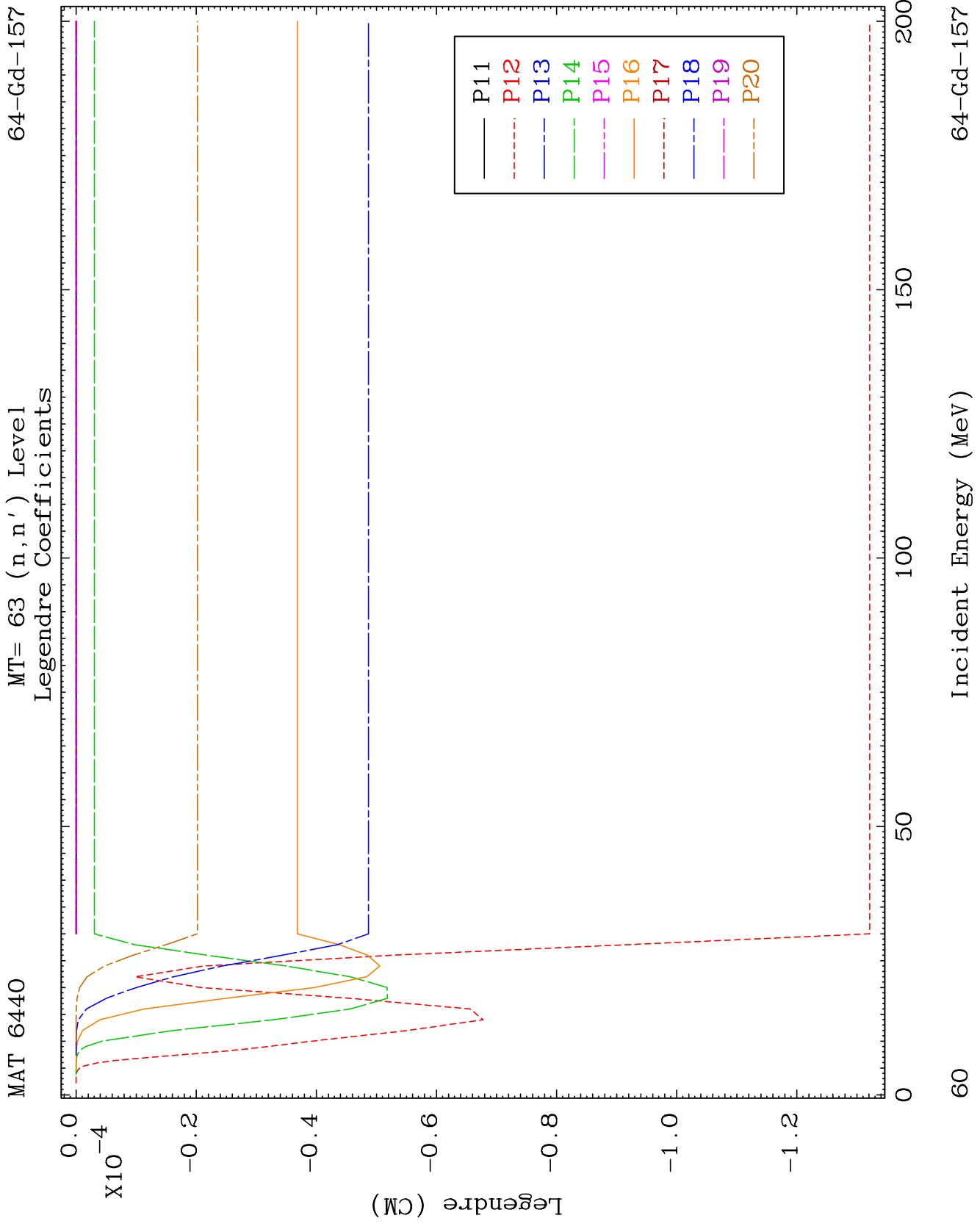
64-Gd-157



58

Incident Energy (MeV)

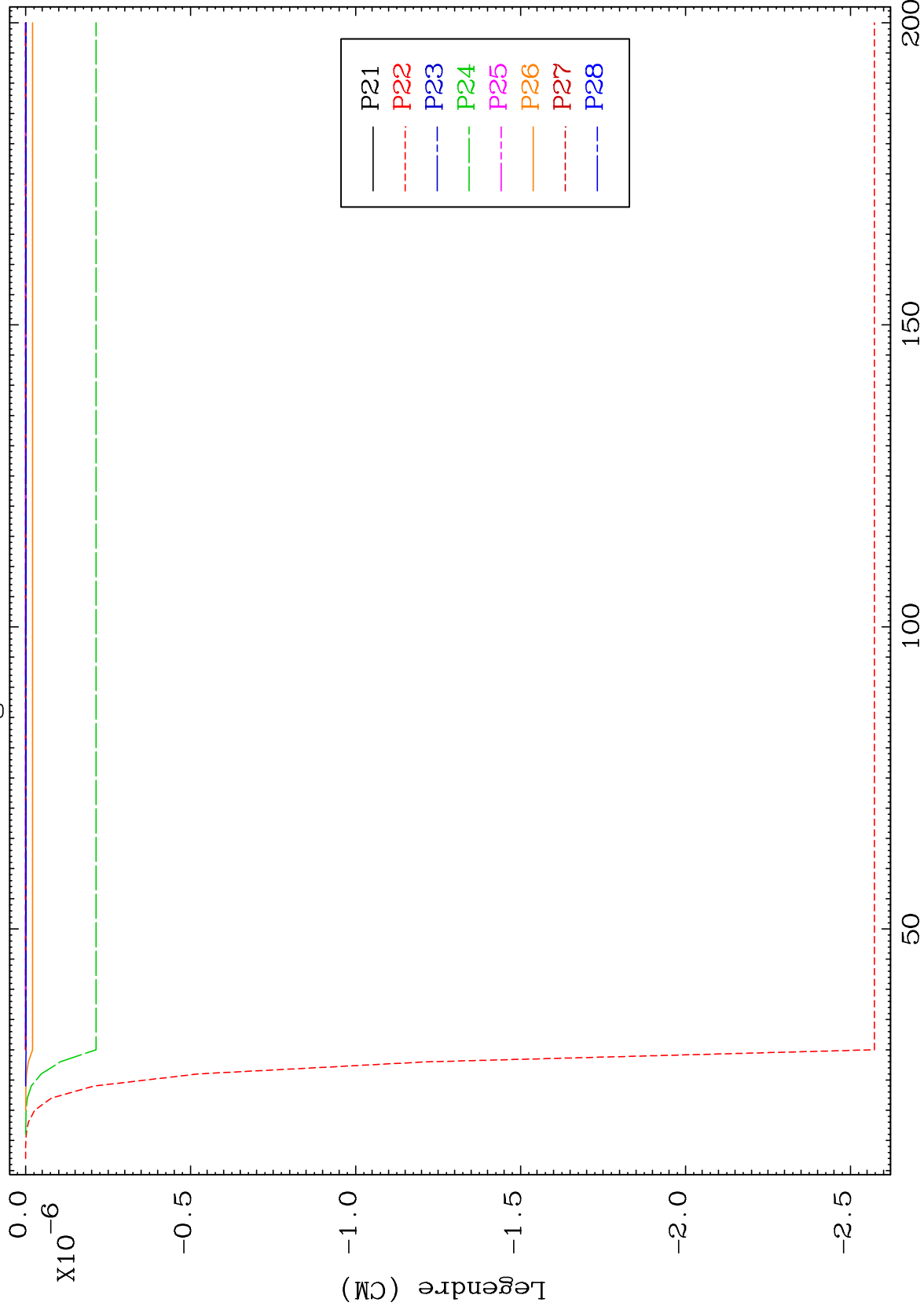
64-Gd-157



MAT 6440

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

64-Gd-157



64-Gd-157

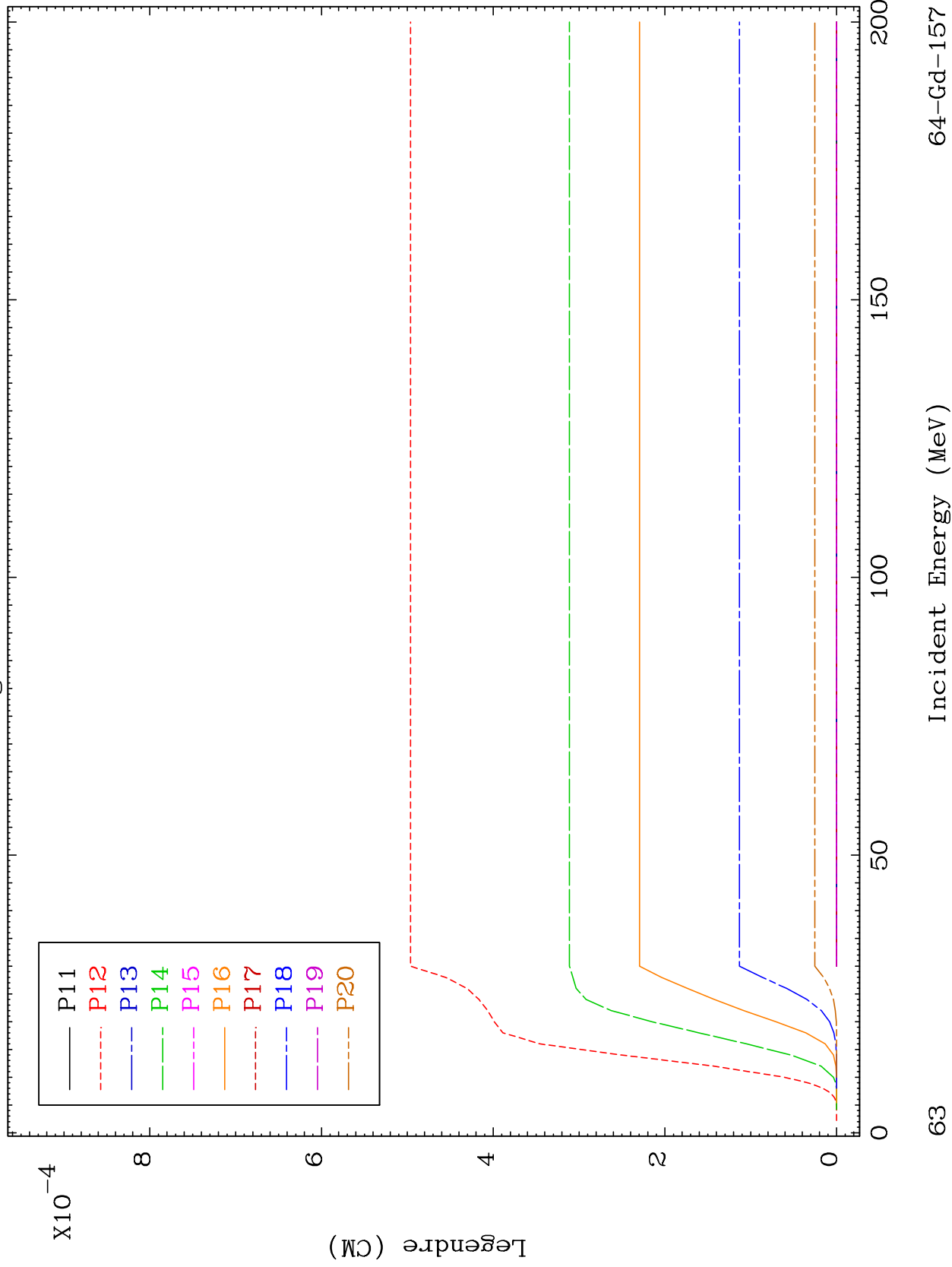
Incident Energy (MeV)

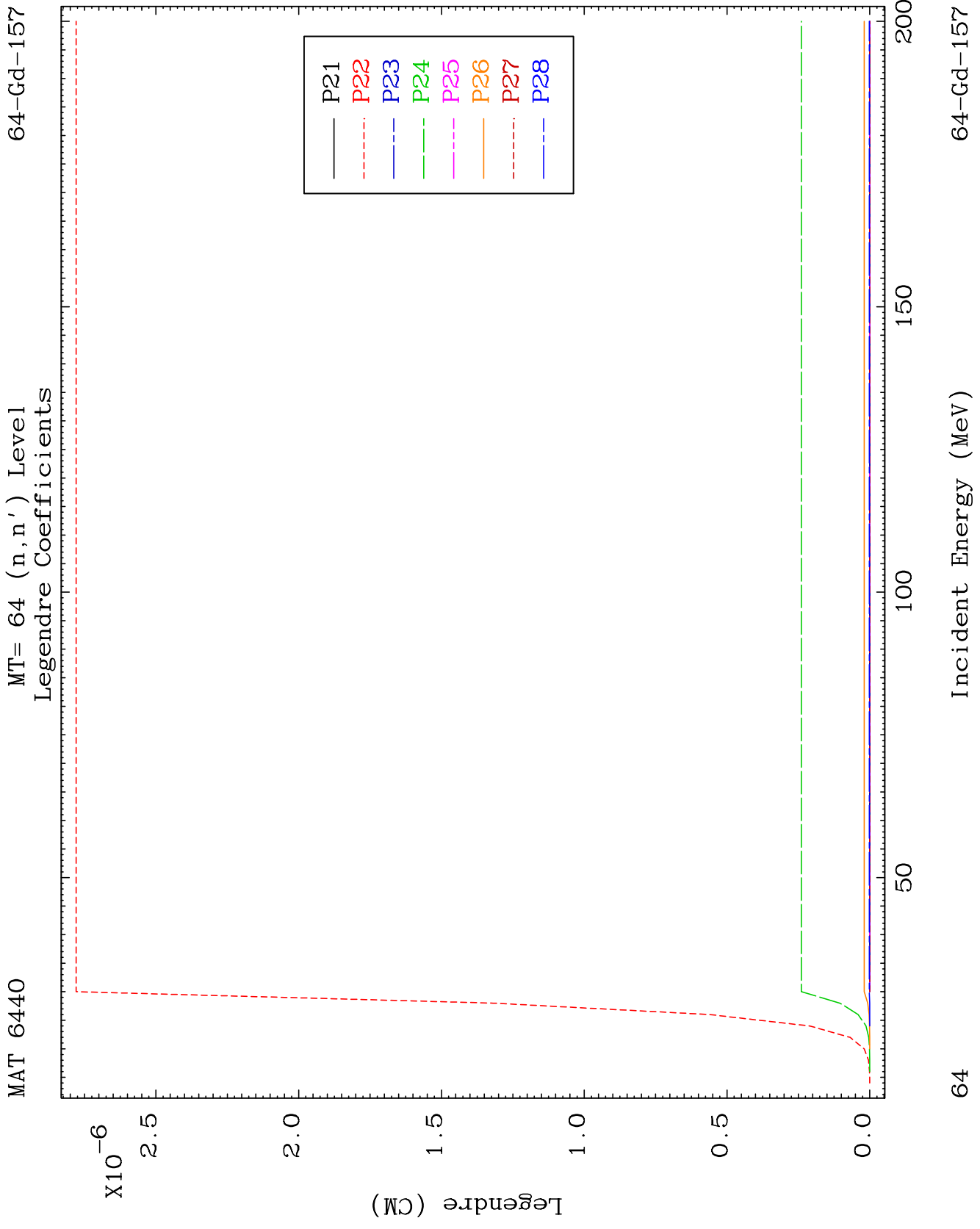
61

MAT 6440

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

64-Gd-157

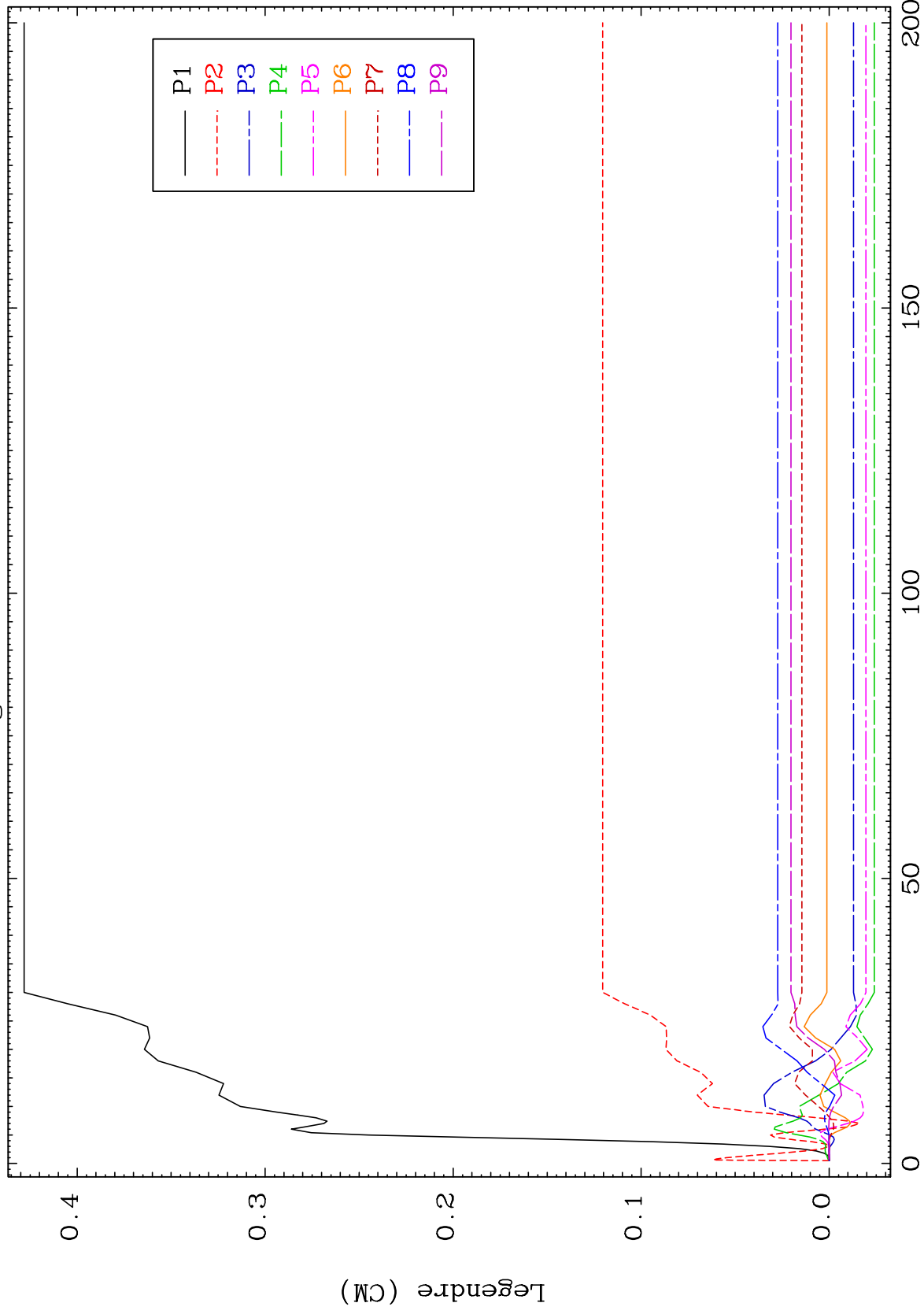




MAT 6440

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

64-Gd-157



64-Gd-157

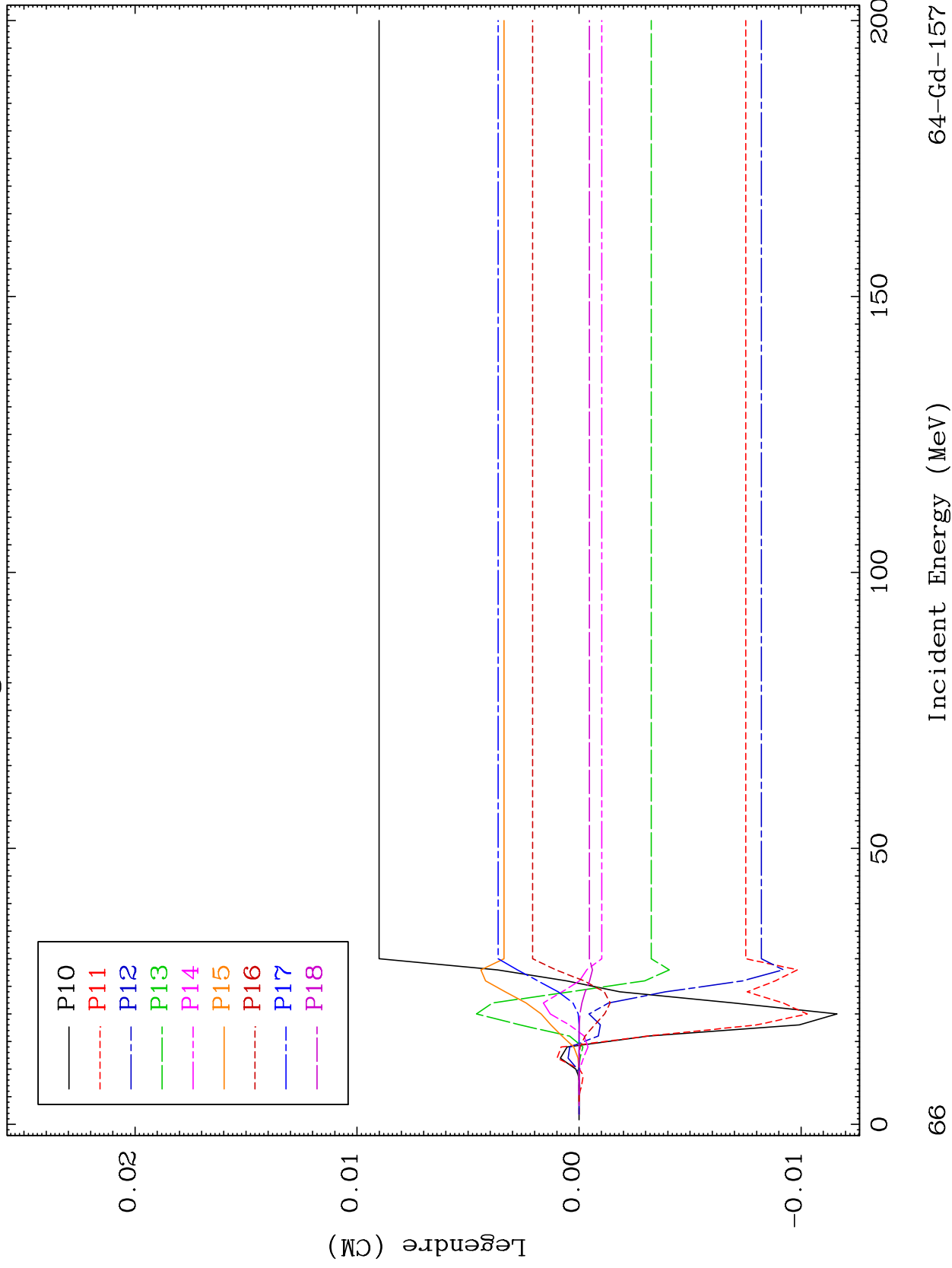
Incident Energy (MeV)

65

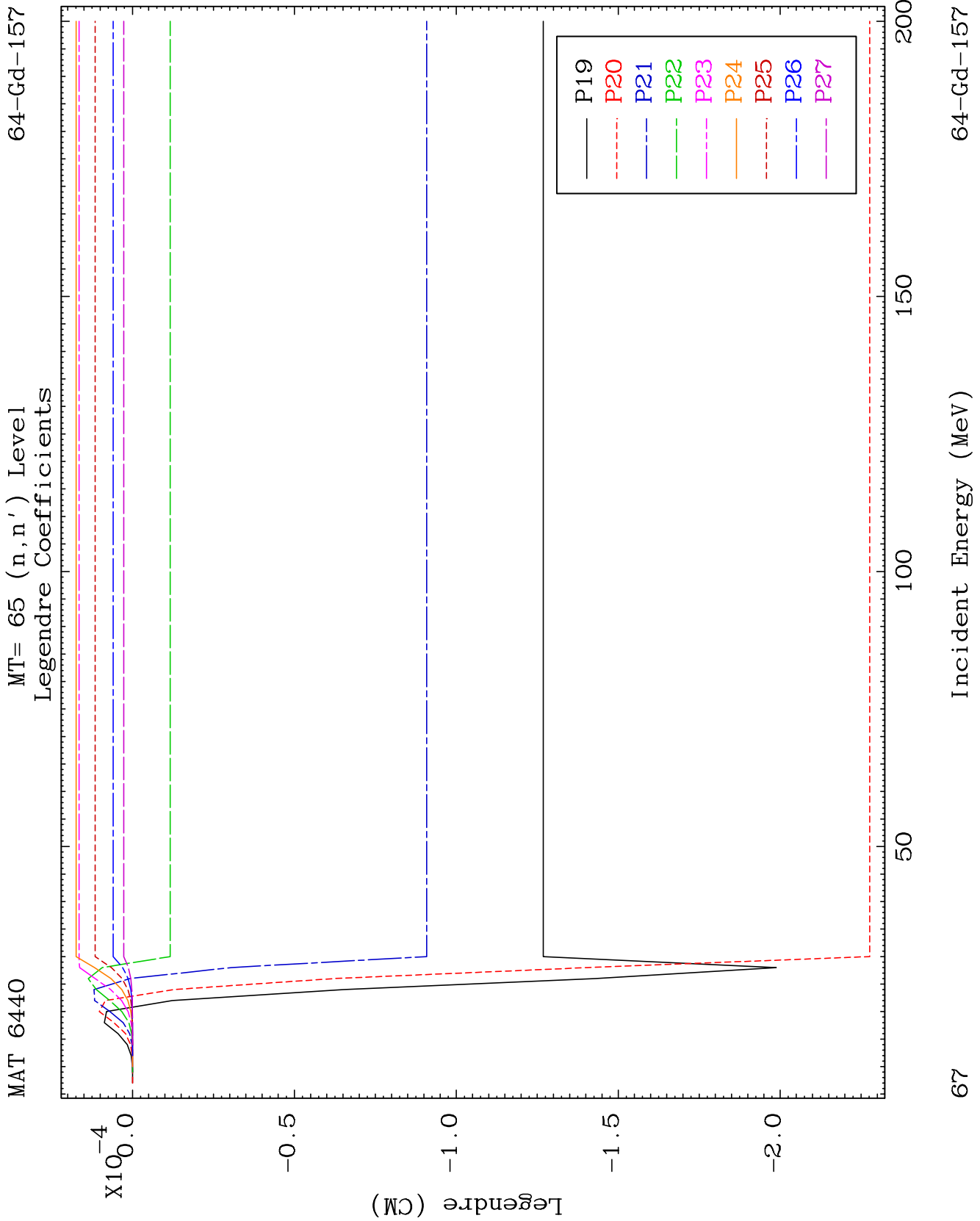
MAT 6440

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

64-Gd-157



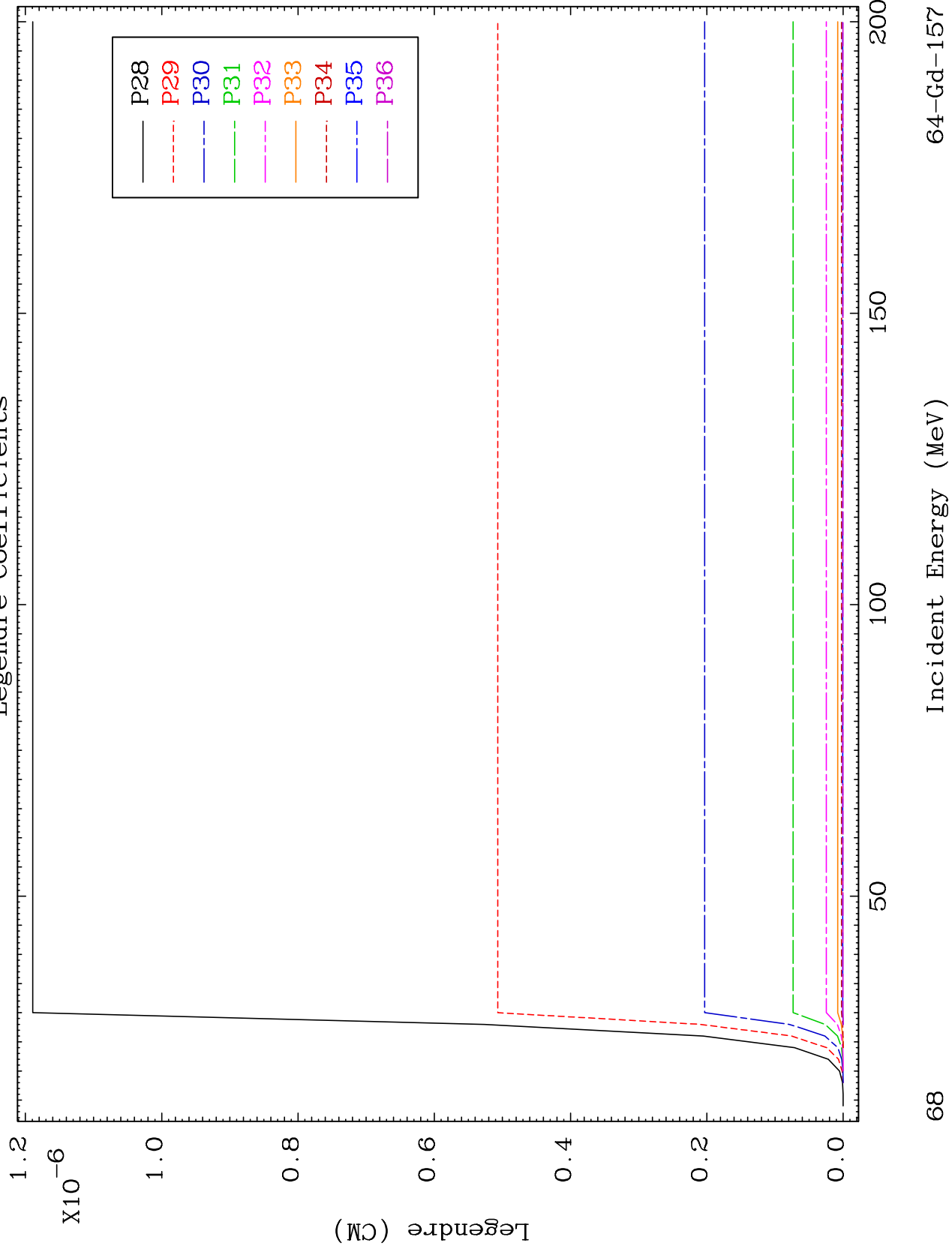
66



MAT 6440

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

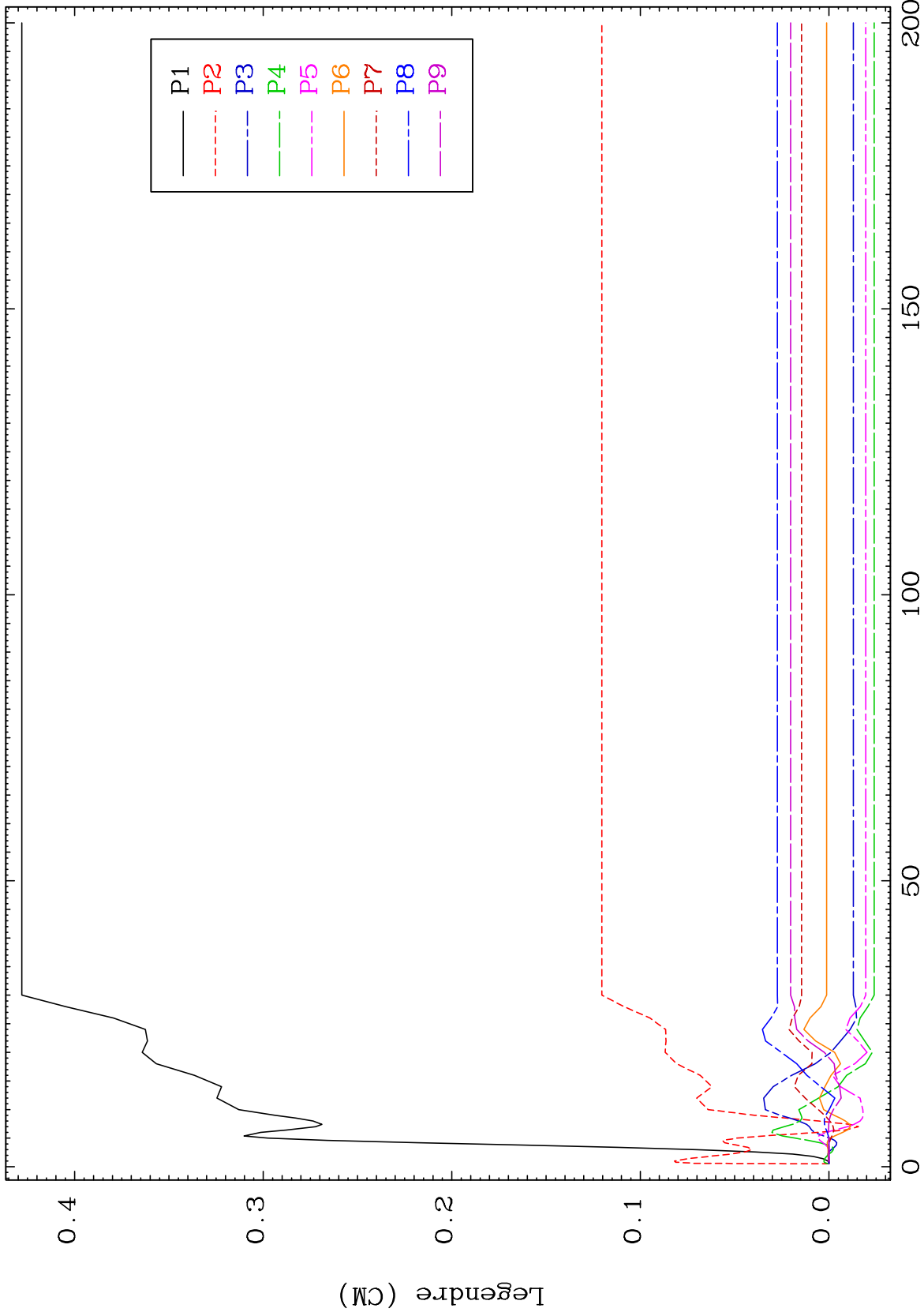
64-Gd-157



MAT 6440

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

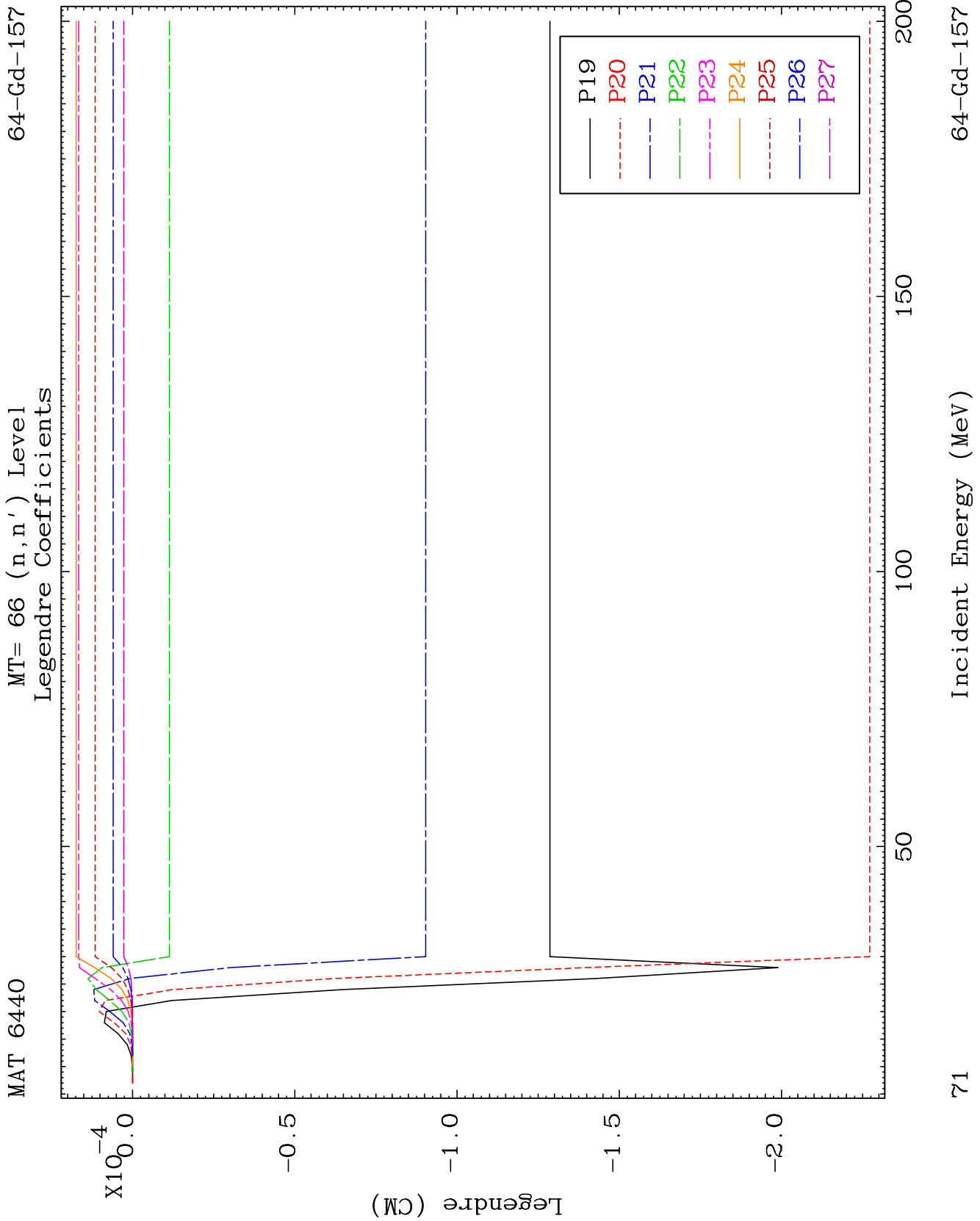
64-Gd-157



69

Incident Energy (MeV)

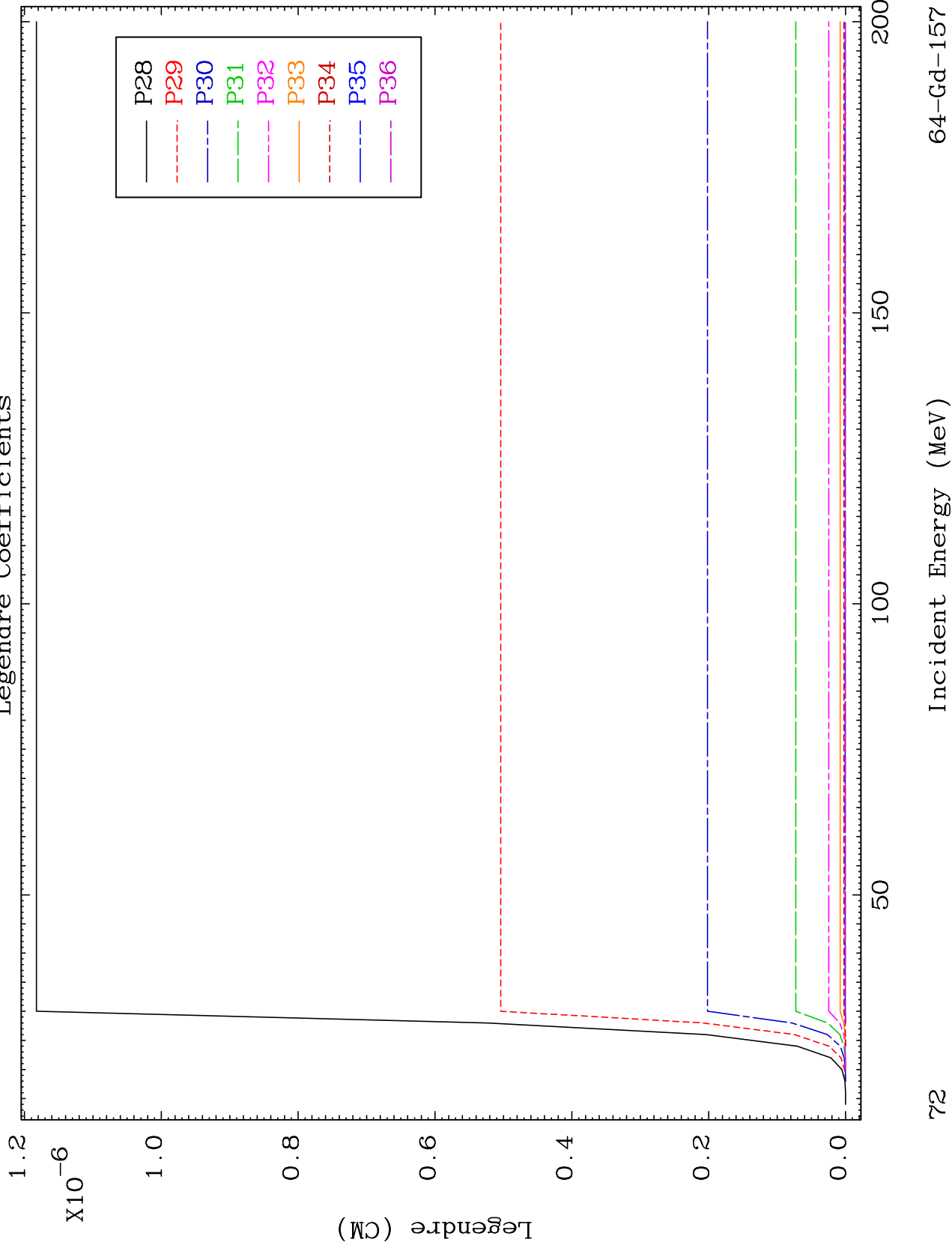
64-Gd-157



MAT 6440

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

64-Gd-157



72

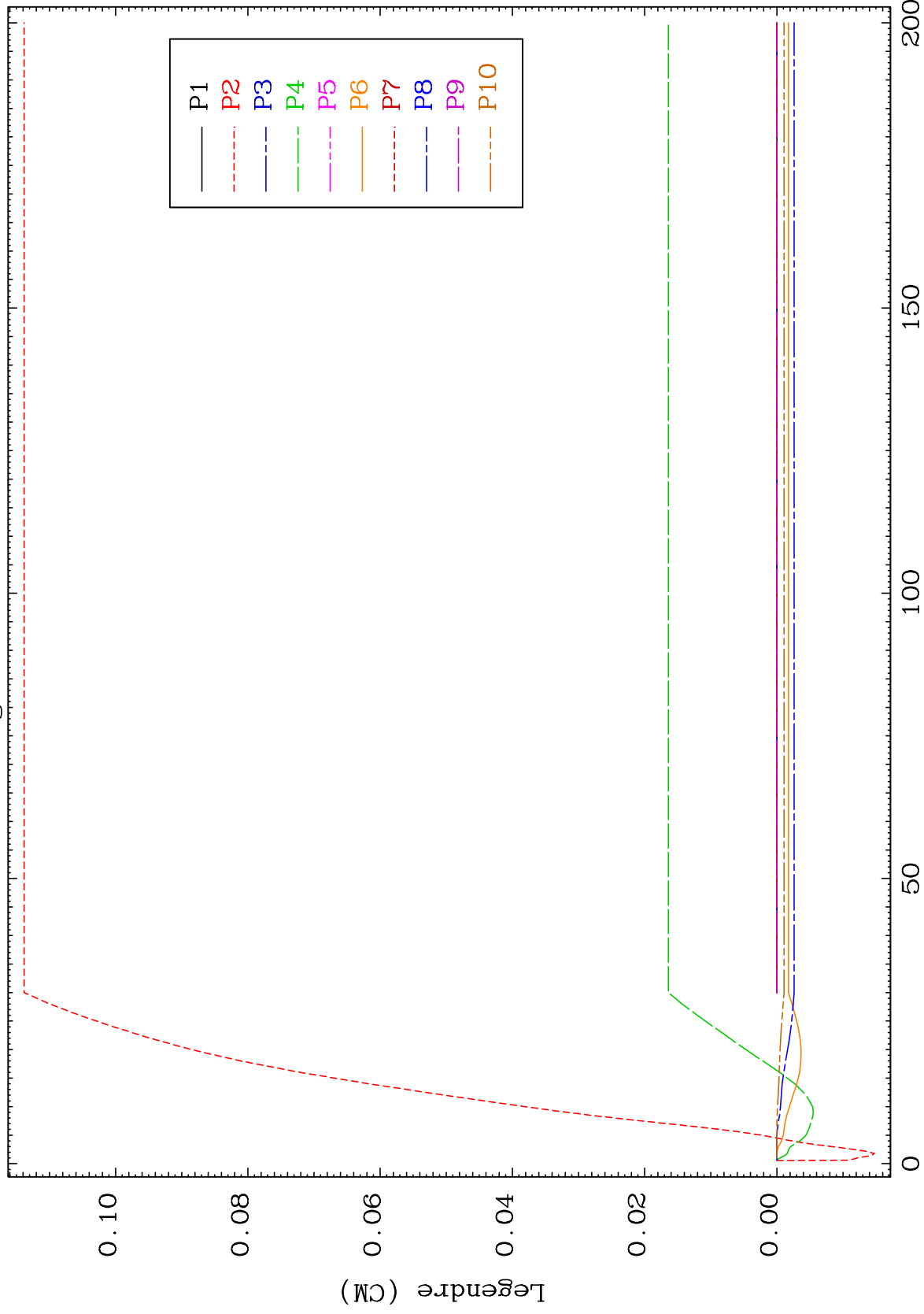
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



64-Gd-157

Incident Energy (MeV)

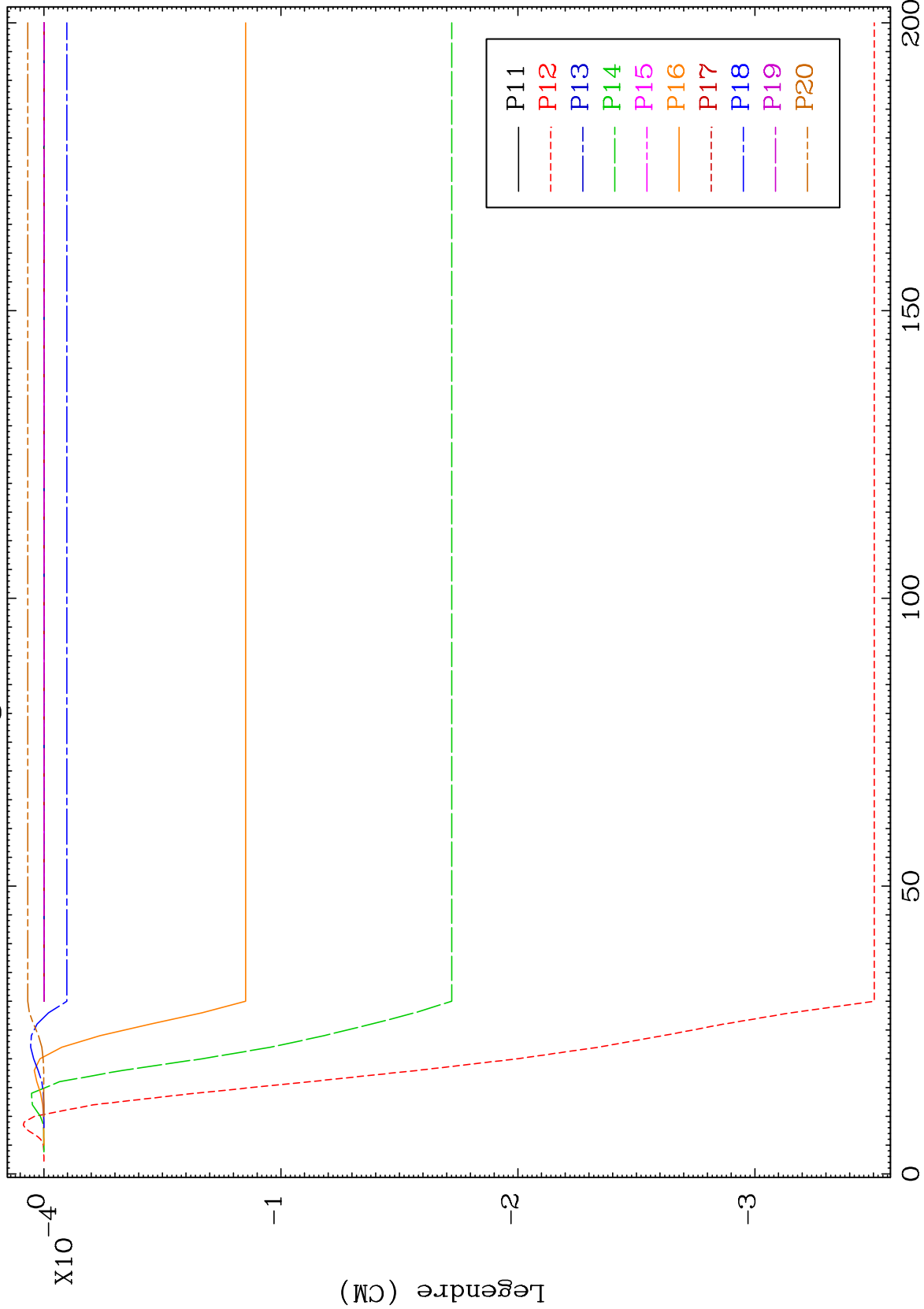
73

MAT 6440

MT= 67 (n,n') Level

64-Gd-157

Legendre Coefficients



74

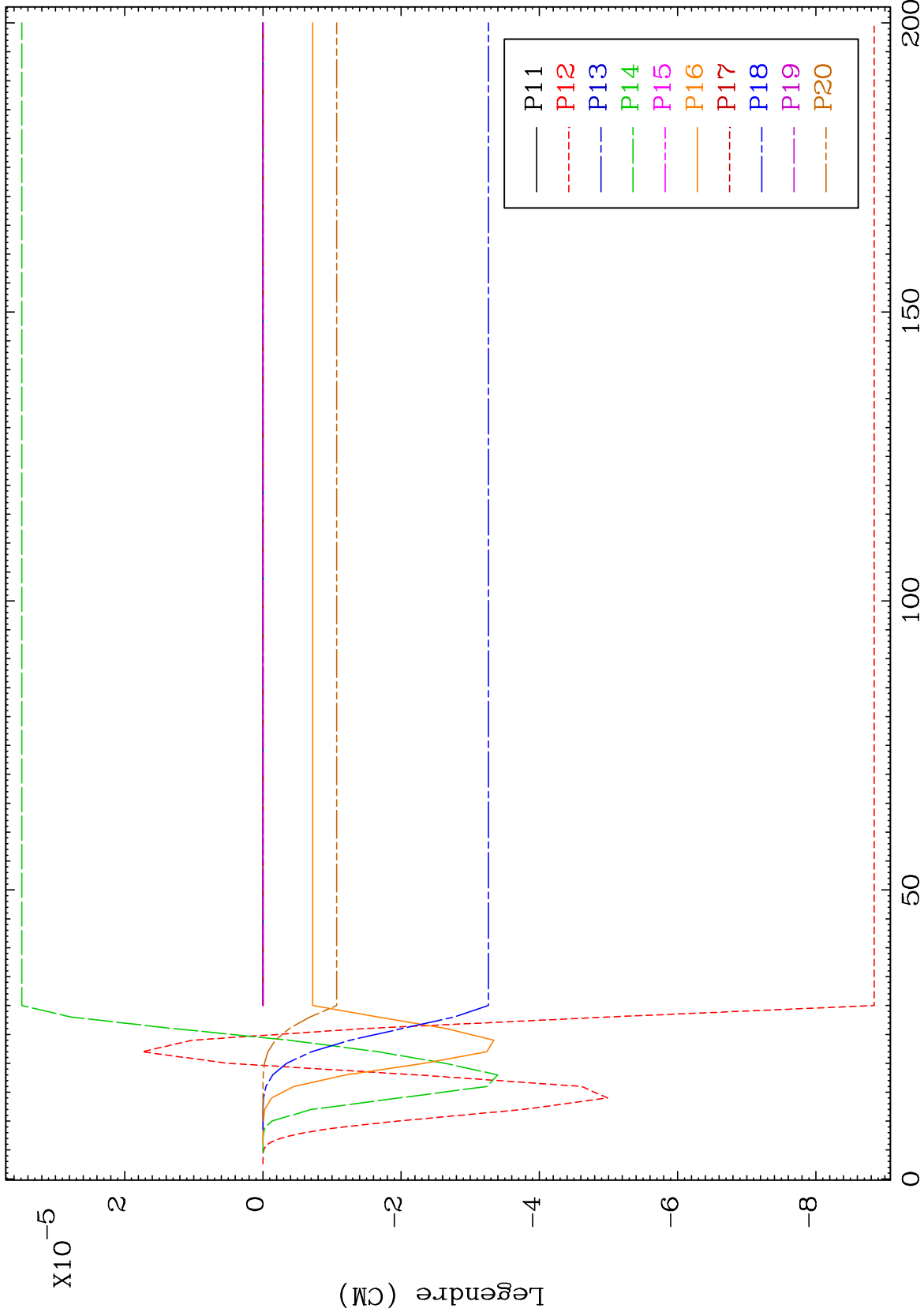
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

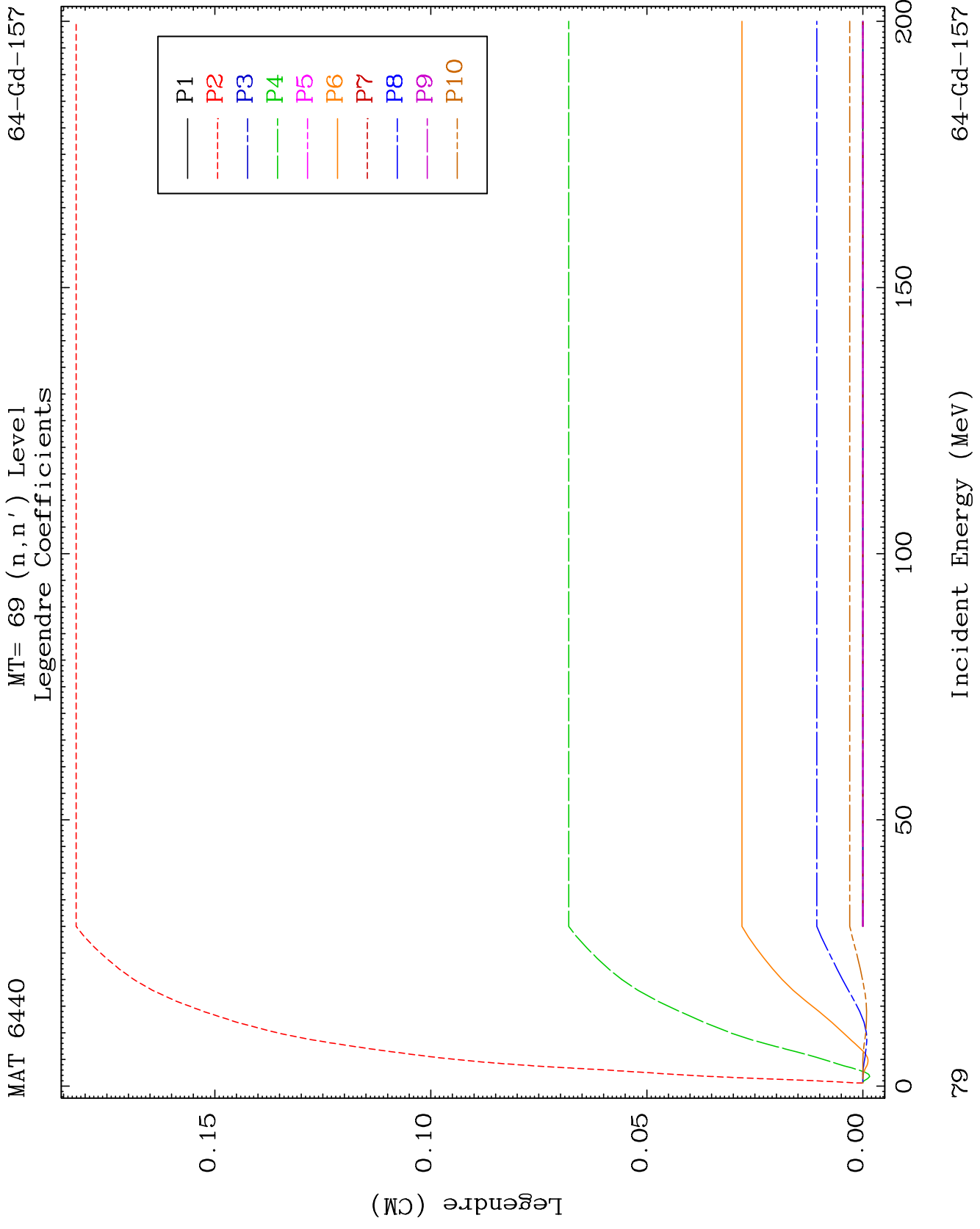
64-Gd-157



77

Incident Energy (MeV)

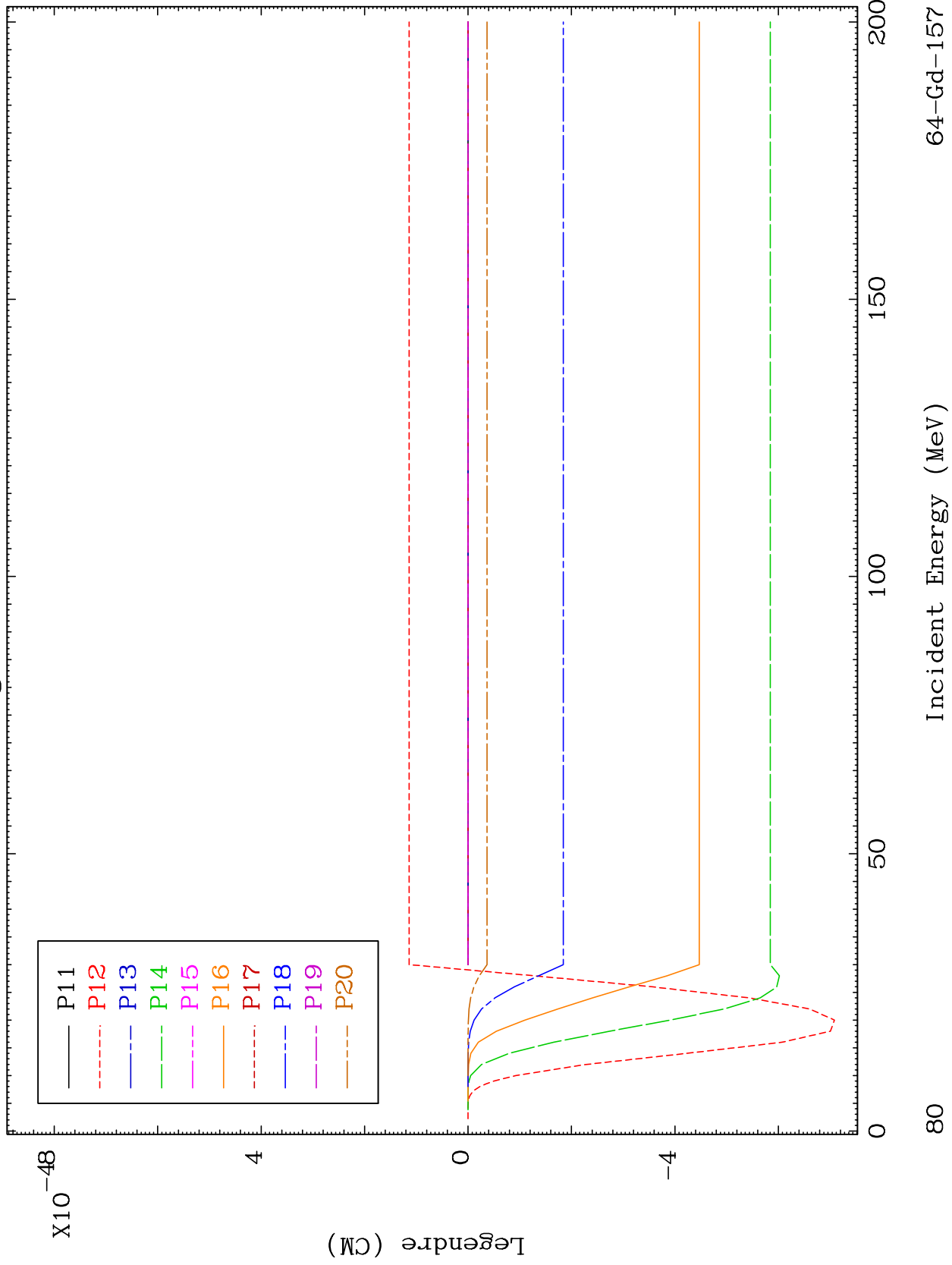
64-Gd-157

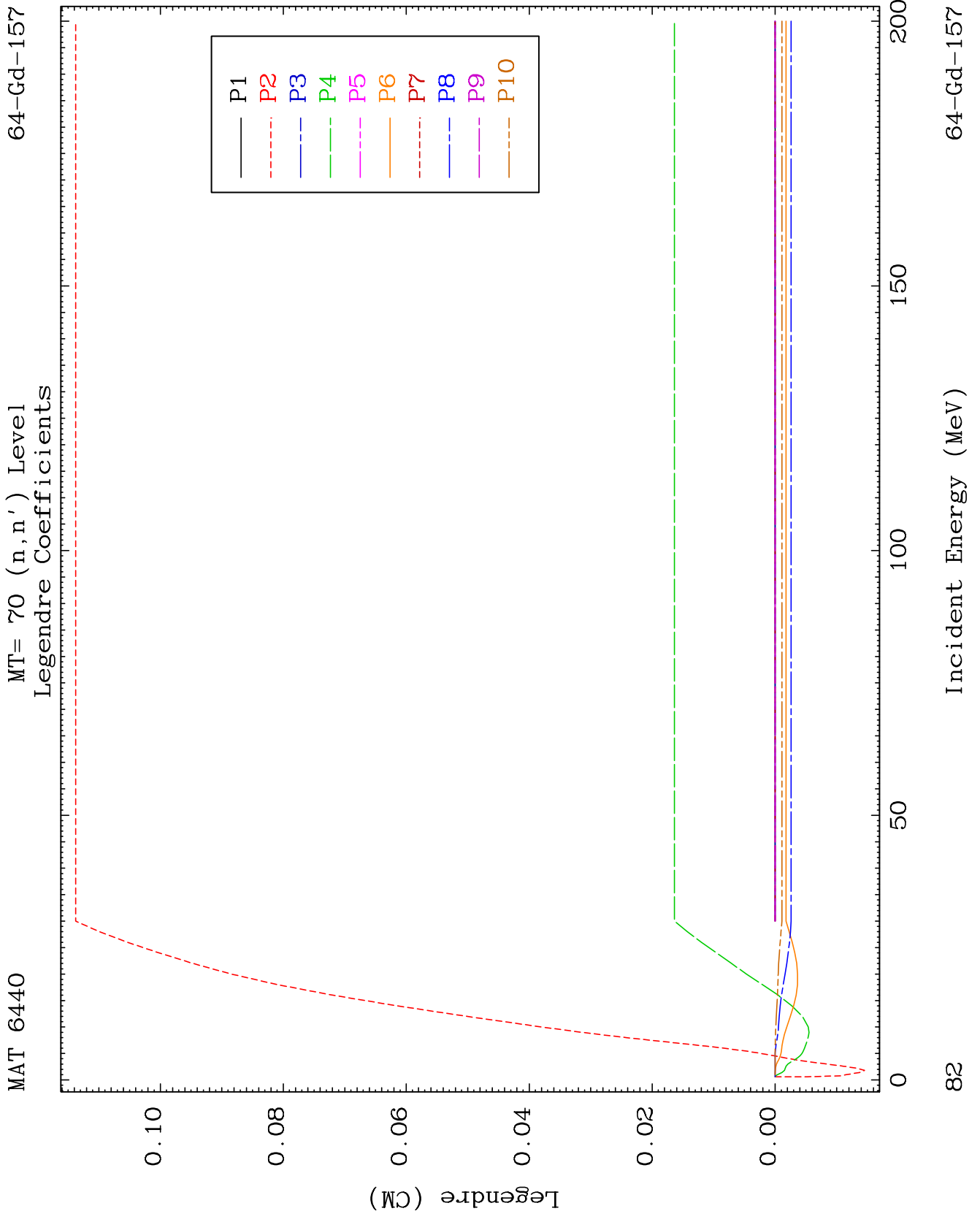


MAT 6440

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

64-Gd-157



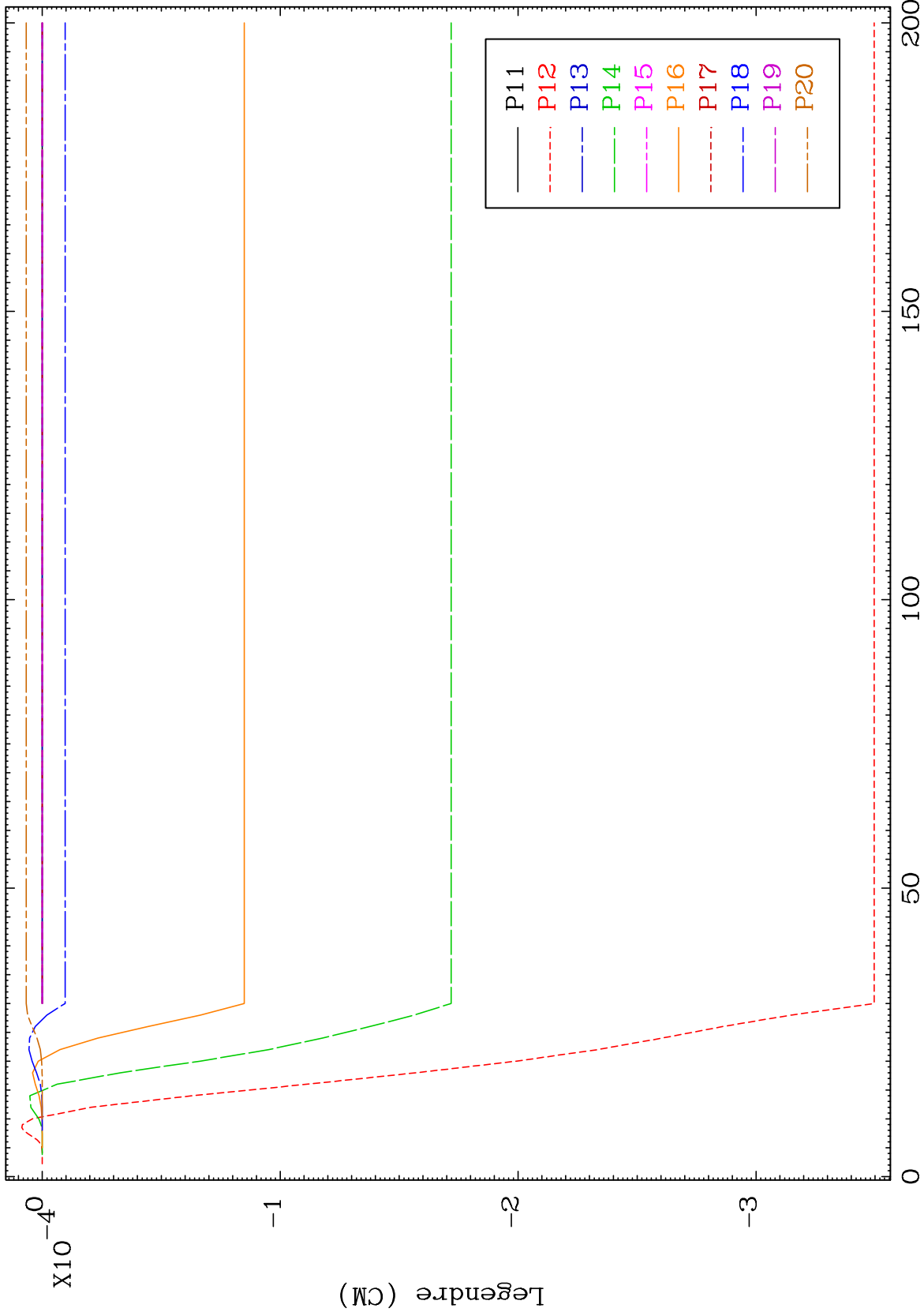


MAT 6440

MT= 70 (n,n') Level

64-Gd-157

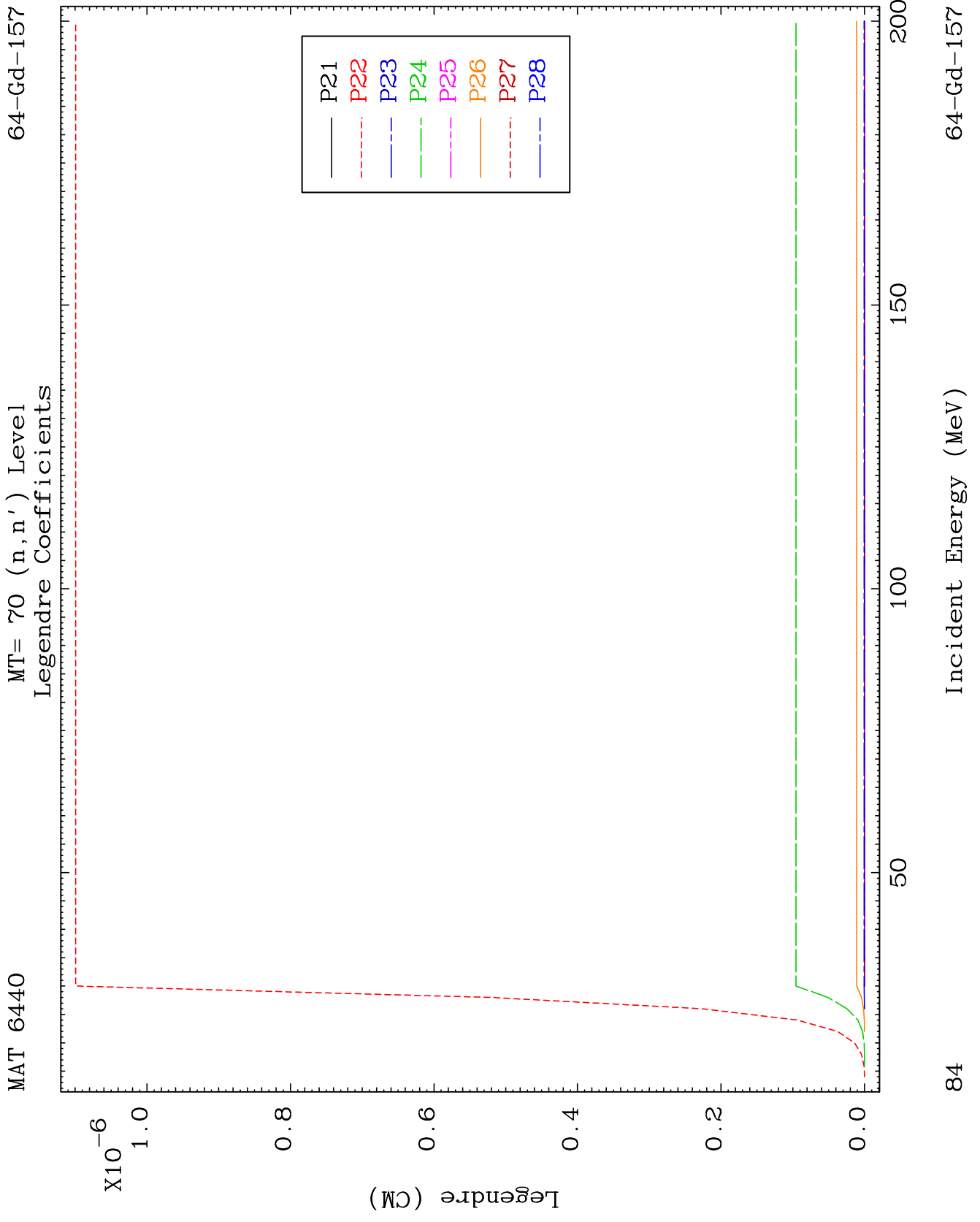
Legendre Coefficients

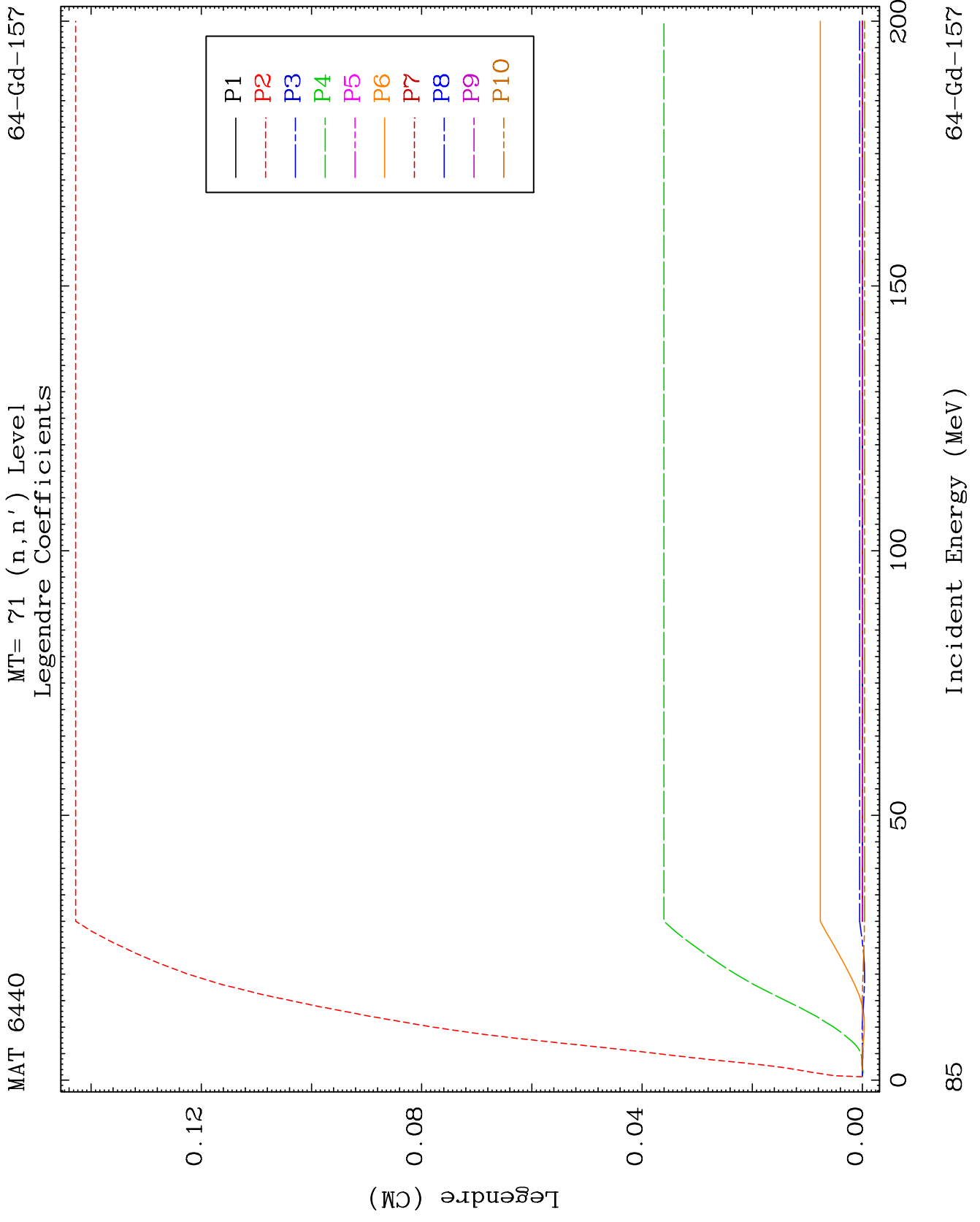


83

Incident Energy (MeV)

64-Gd-157

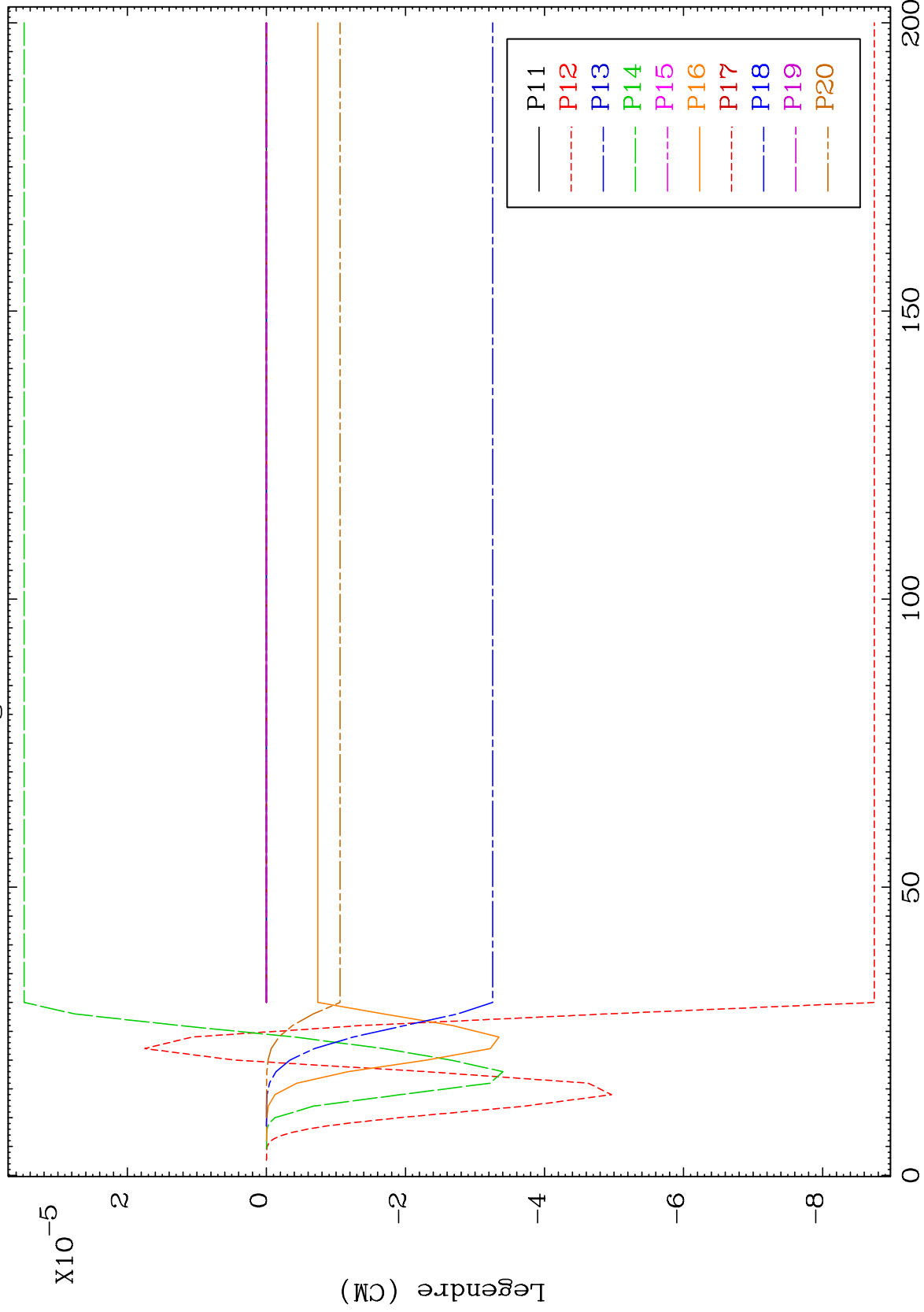




MAT 6440

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

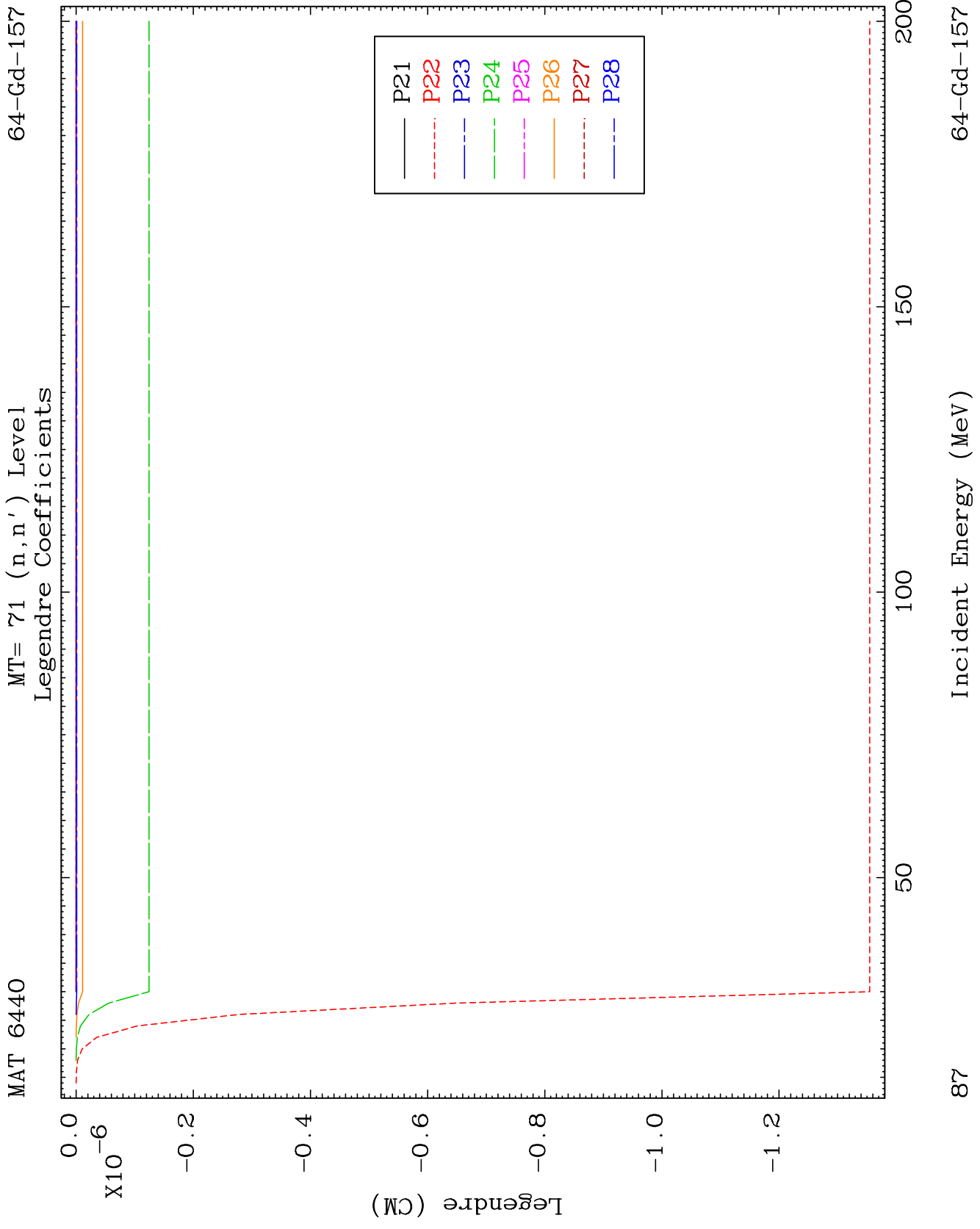
64-Gd-157



86

Incident Energy (MeV)

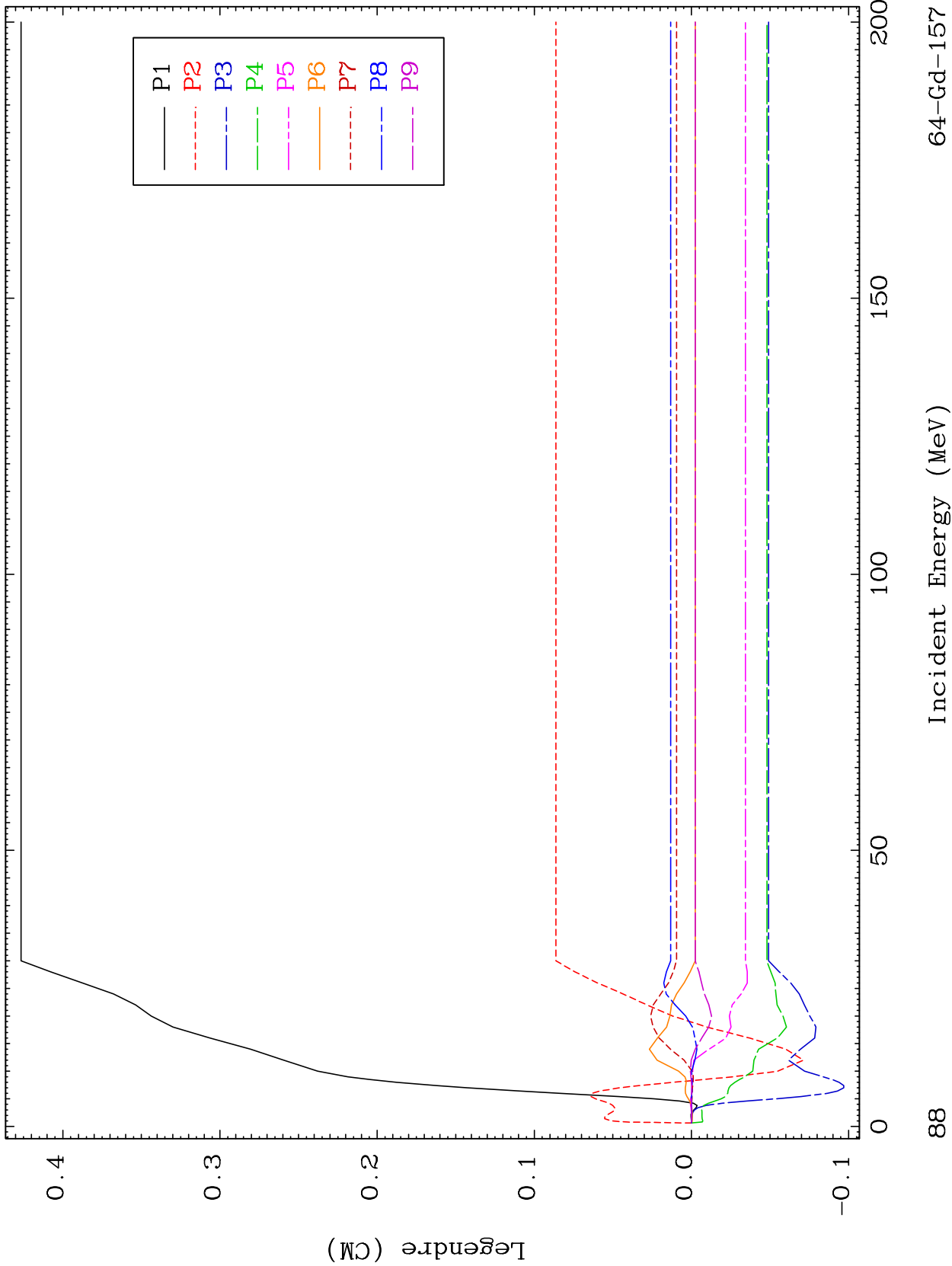
64-Gd-157



MAT 6440

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

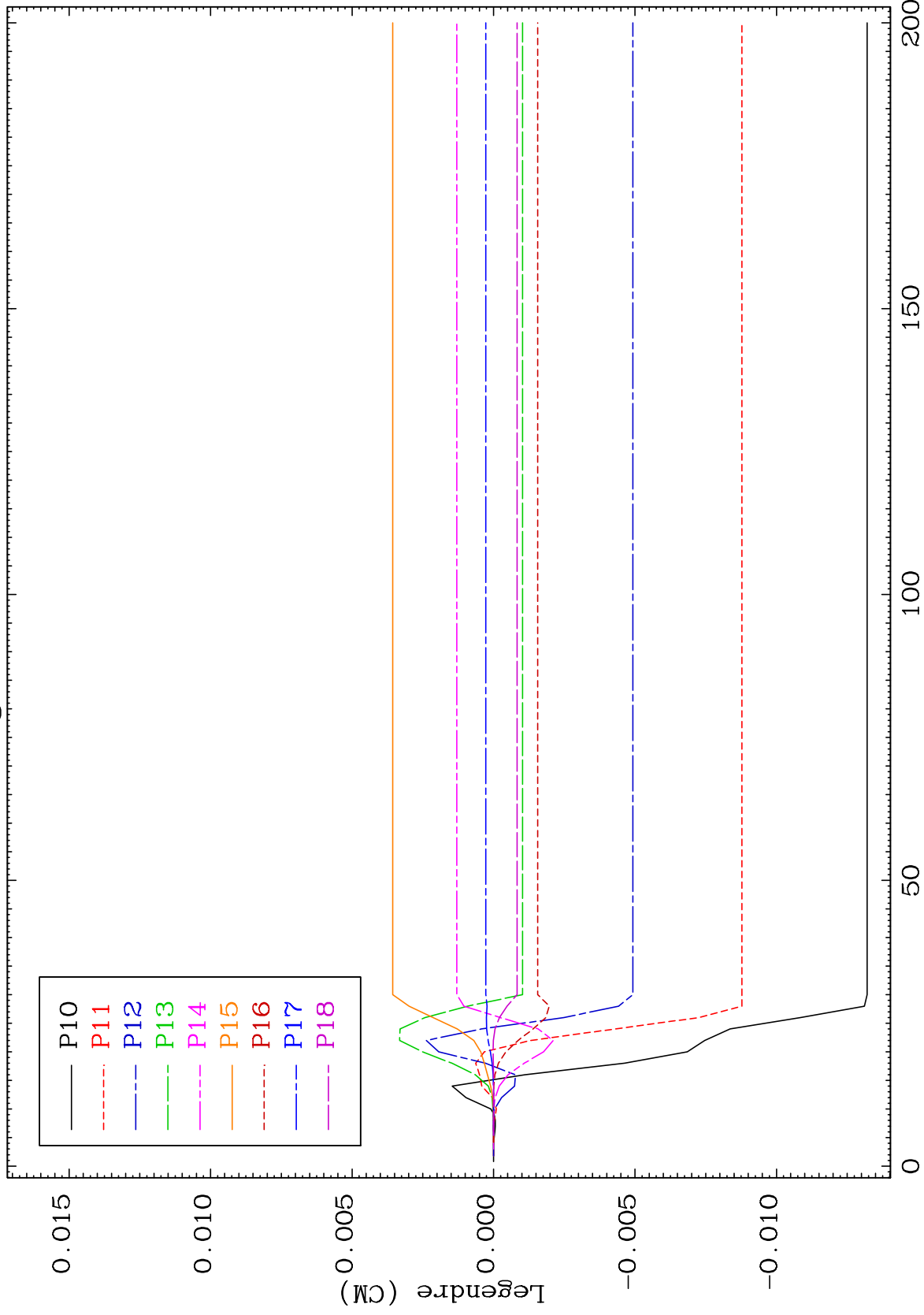
64-Gd-157



64-Gd-157

Incident Energy (MeV)

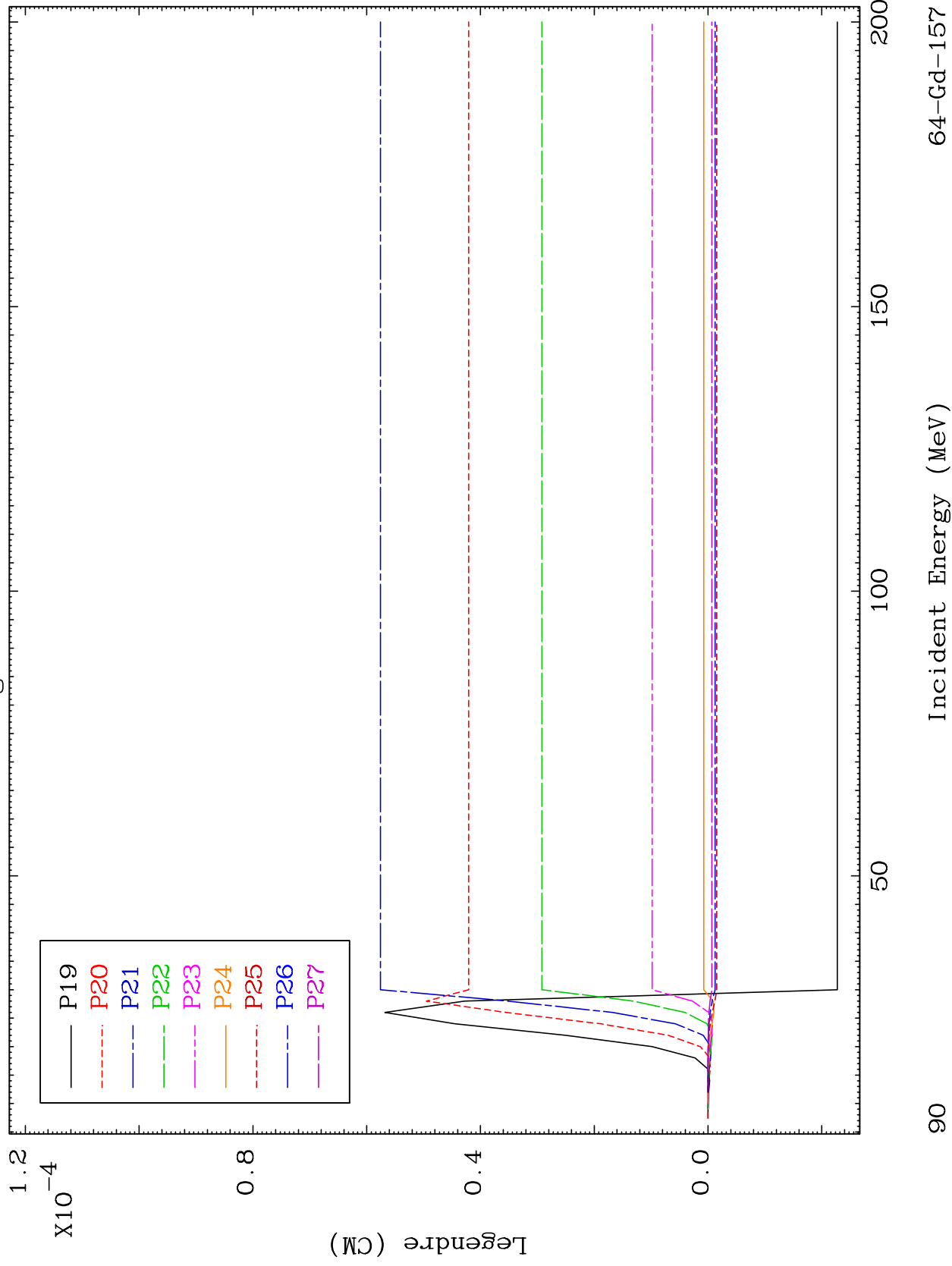
88



MAT 6440

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

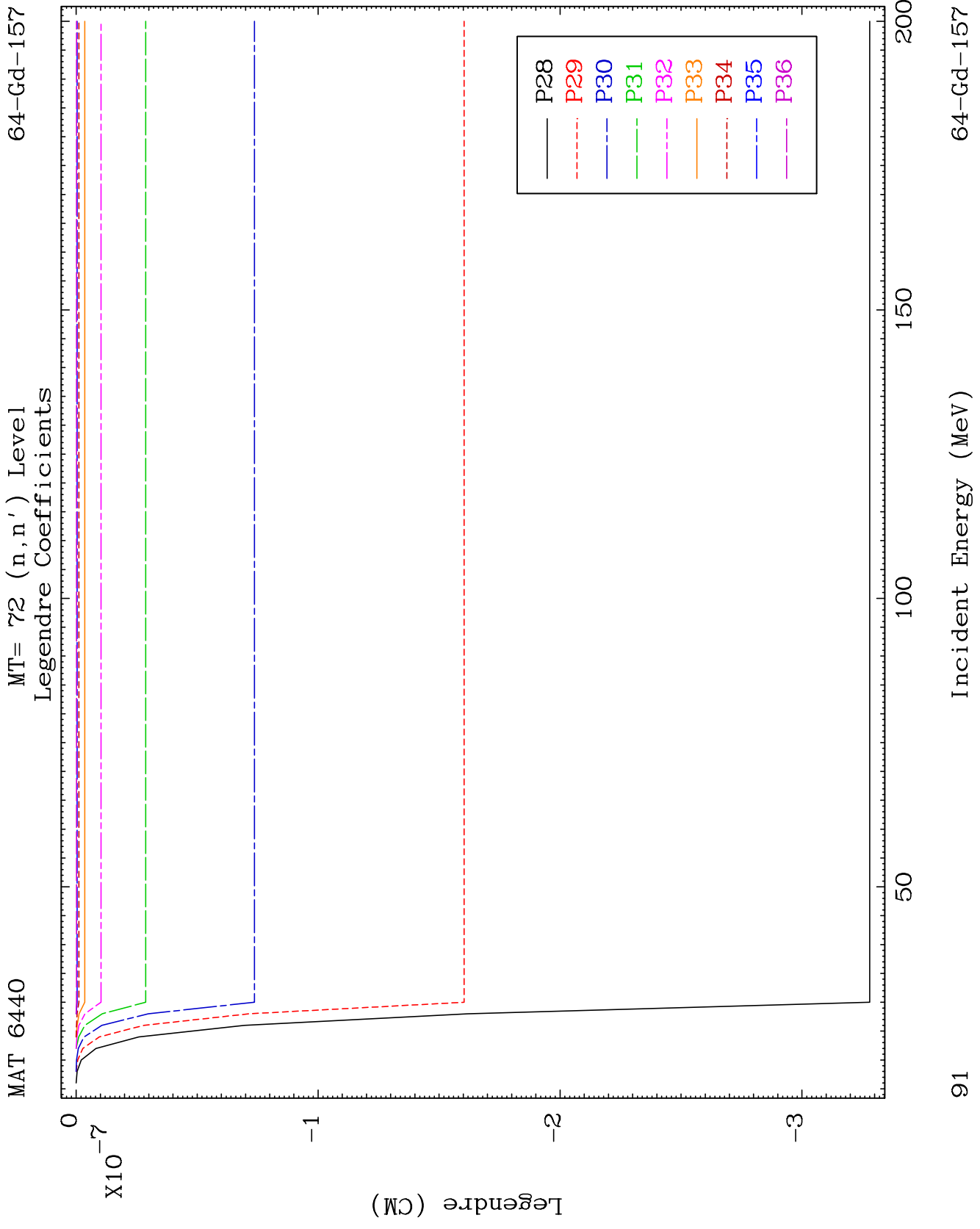
64-Gd-157



90

Incident Energy (MeV)

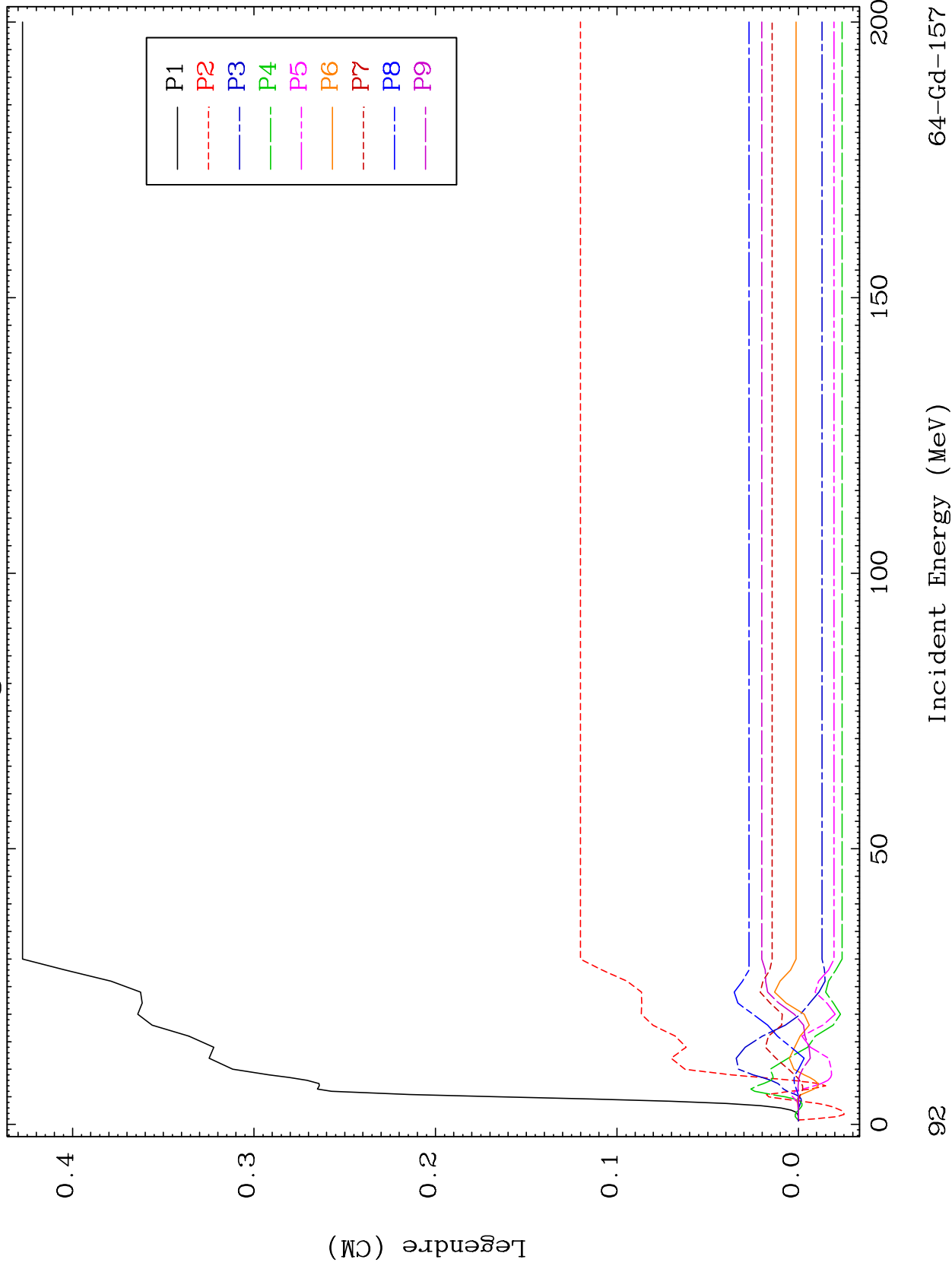
64-Gd-157



MAT 6440

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

64-Gd-157



92

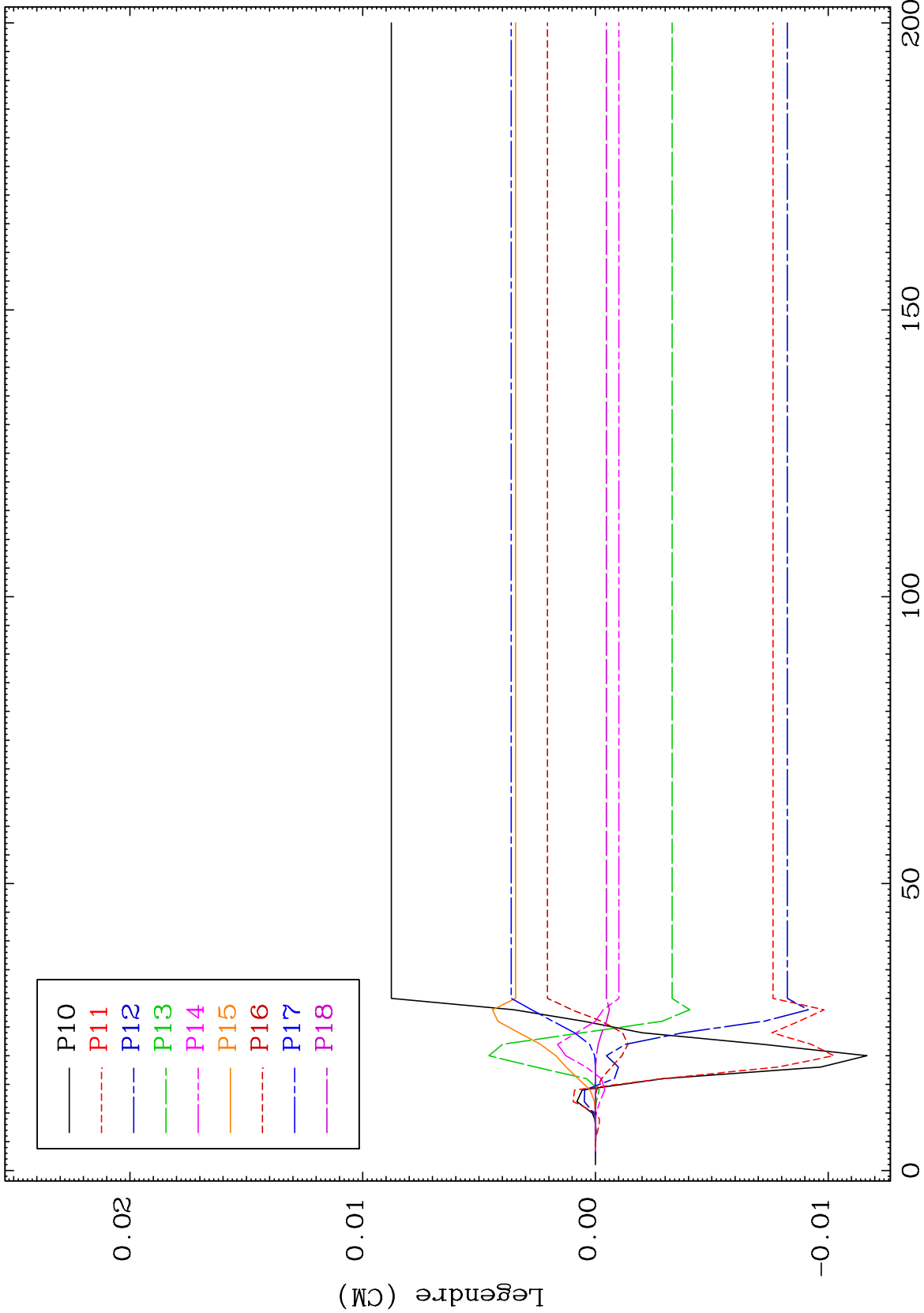
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



93

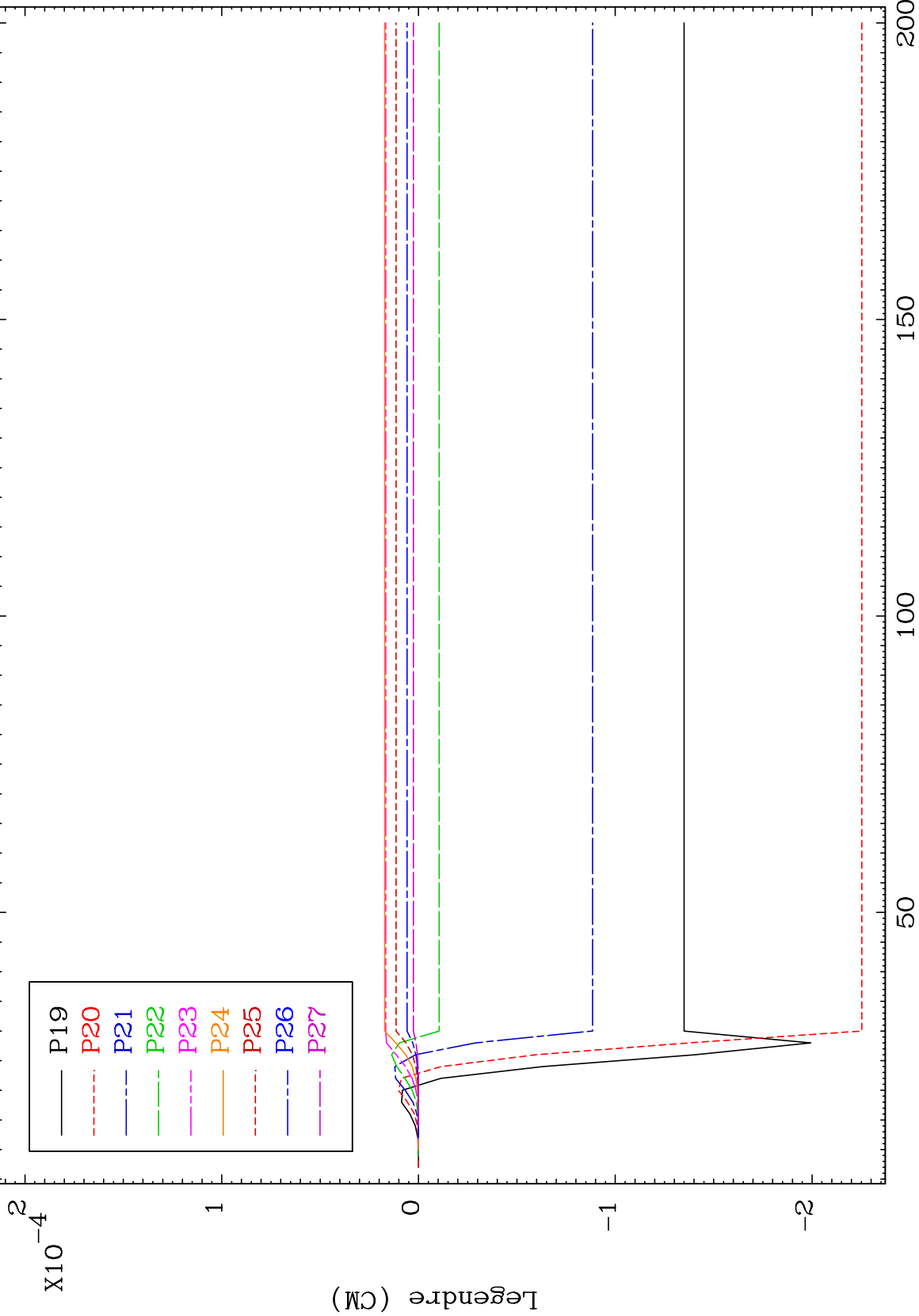
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



94

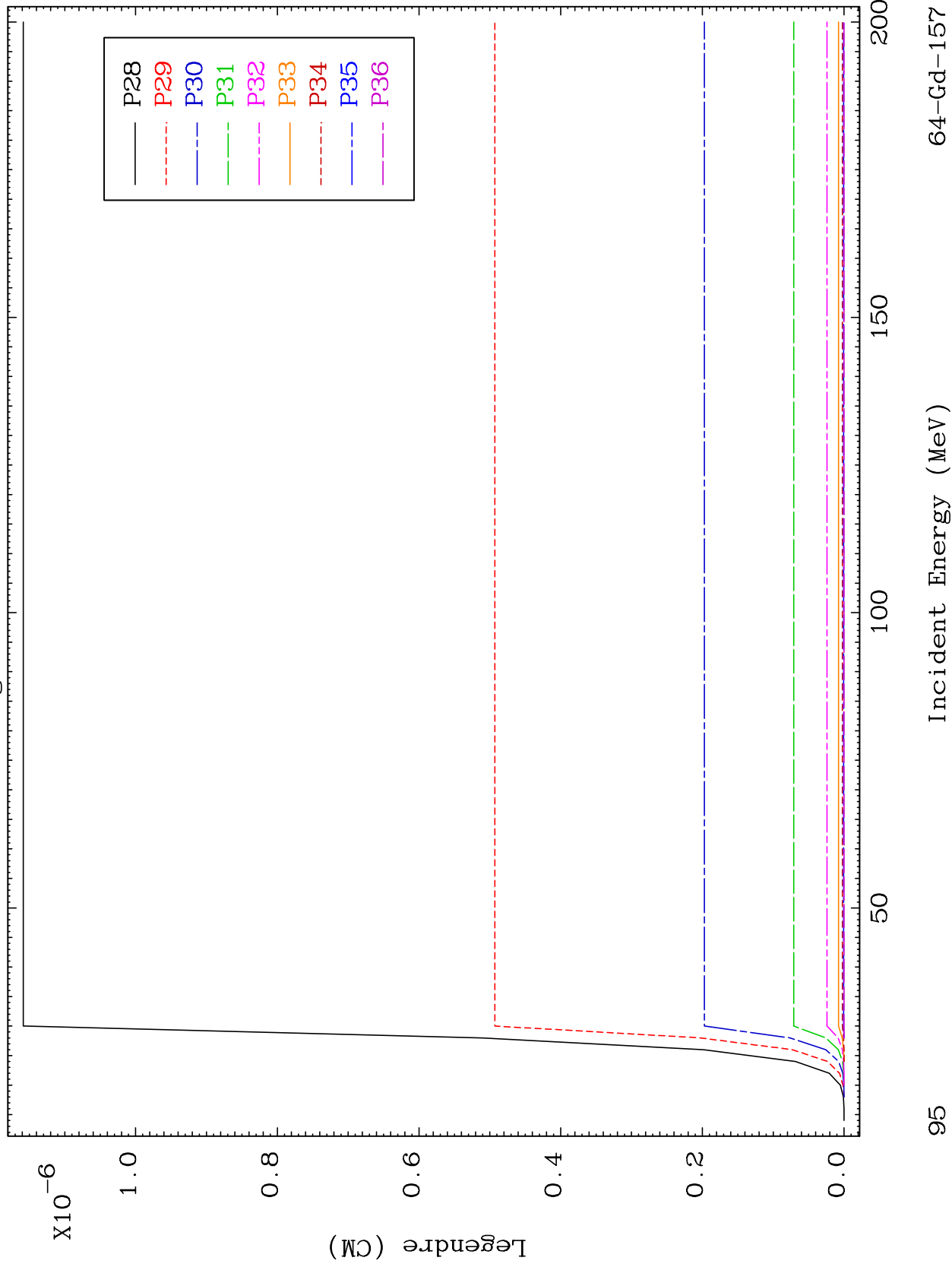
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



95

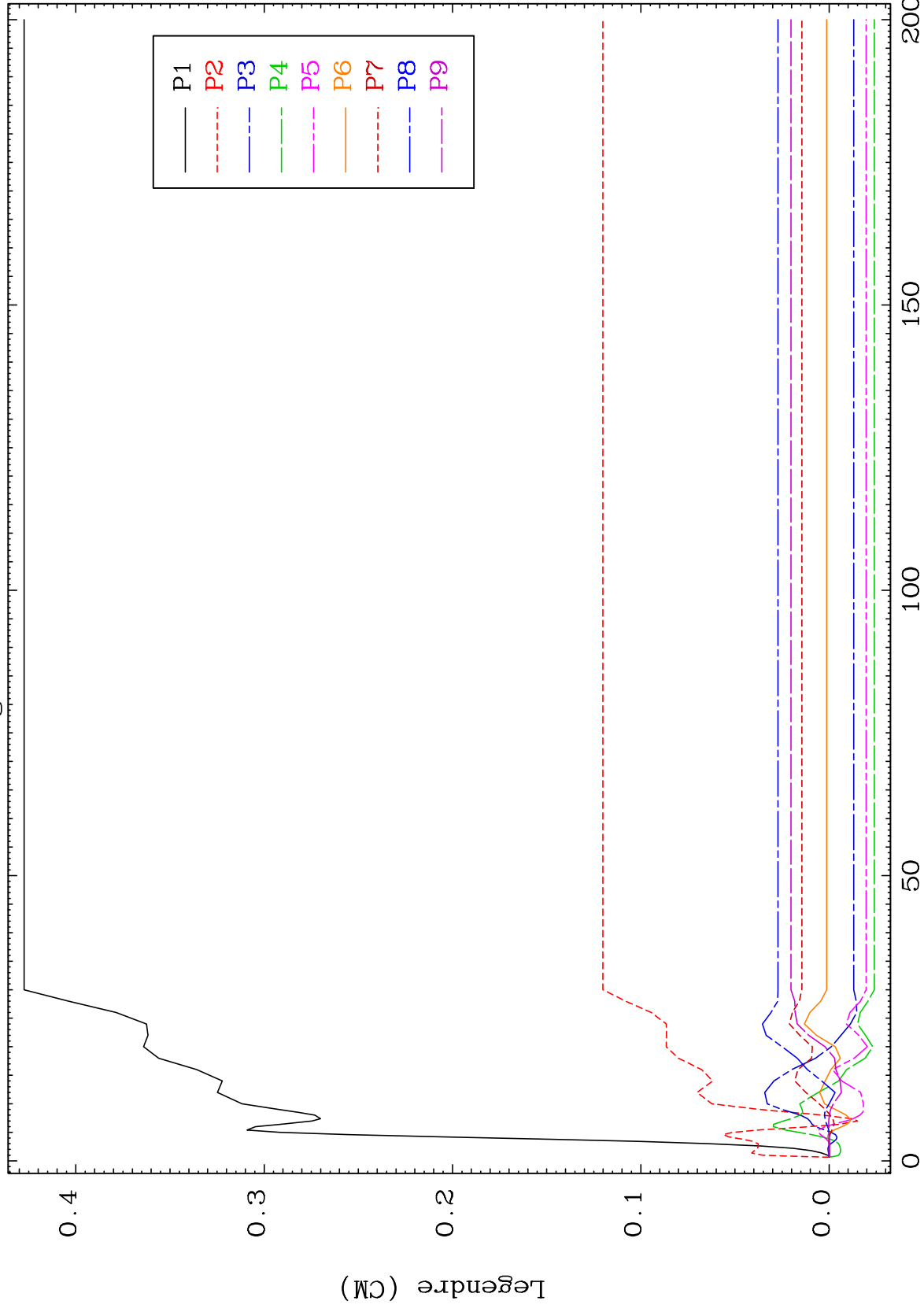
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



96

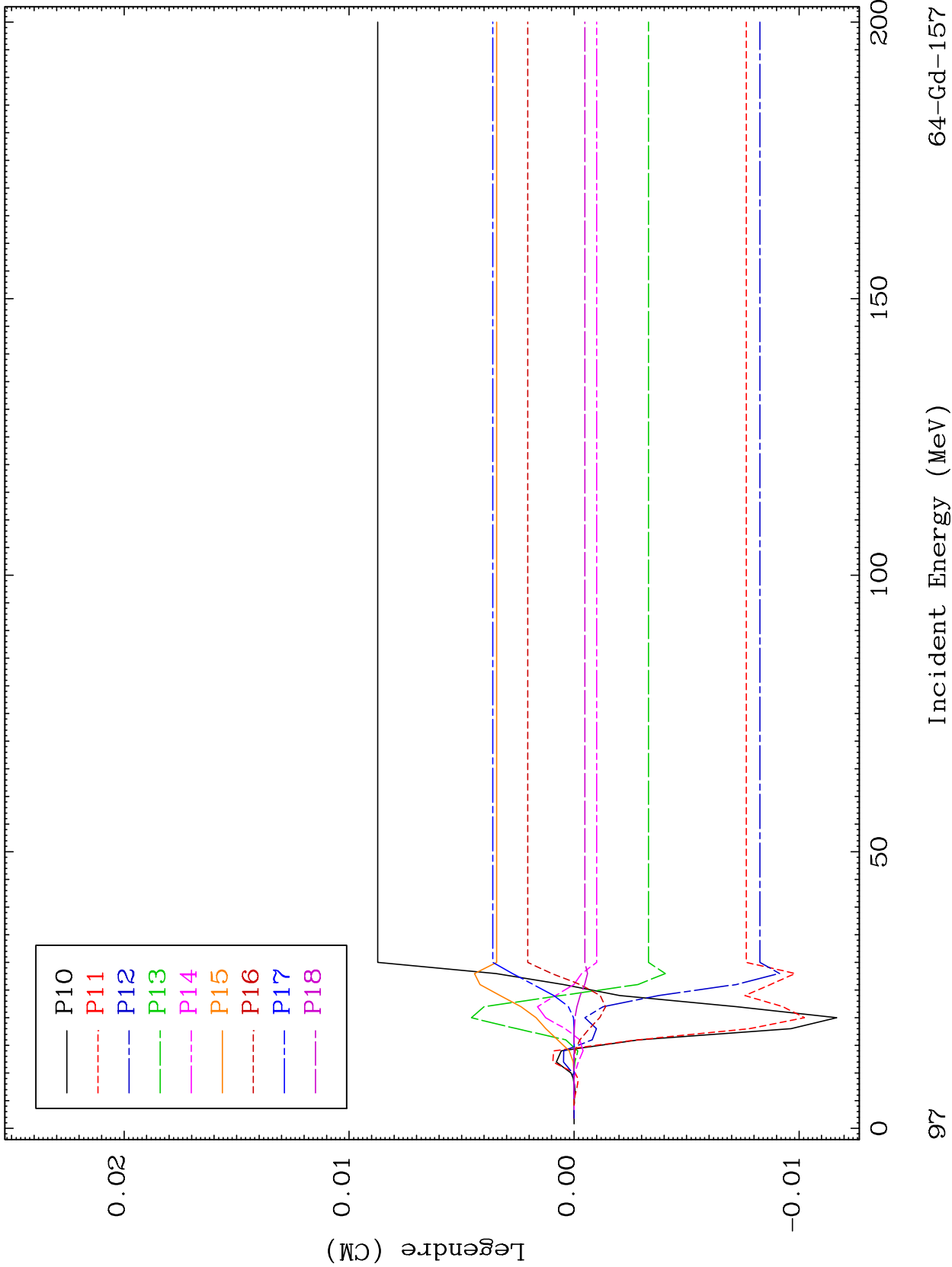
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



97

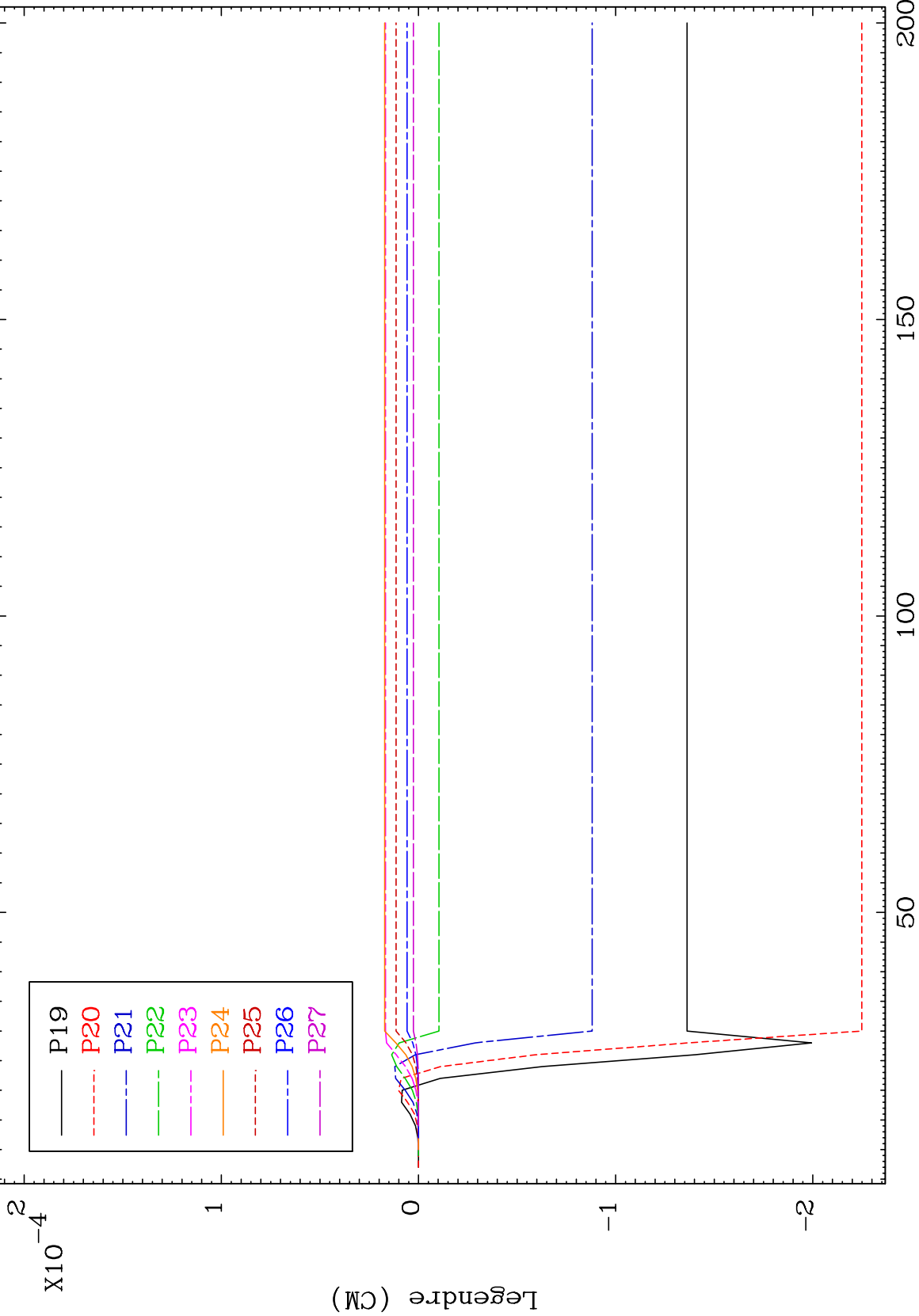
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

64-Gd-157



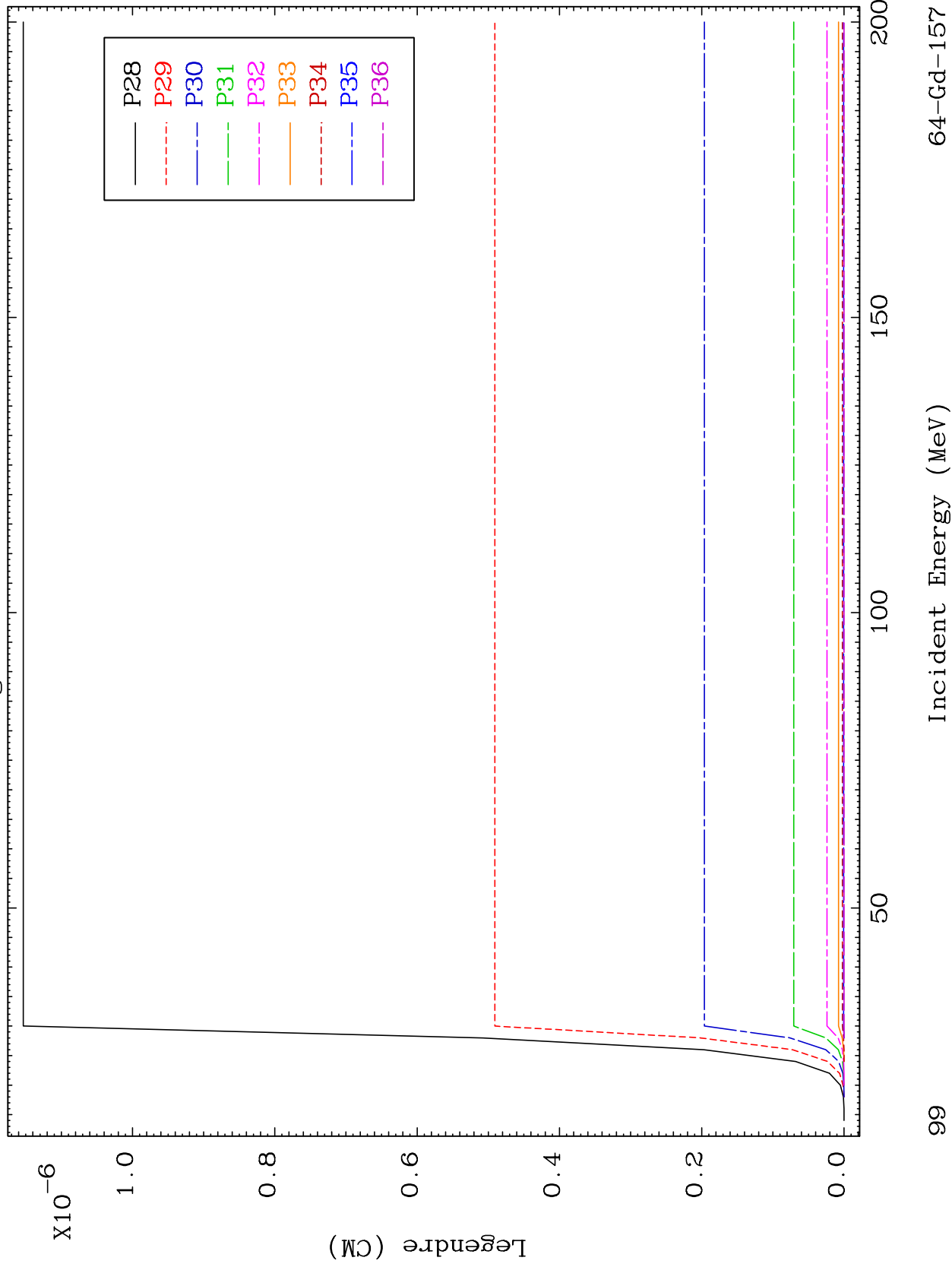
98

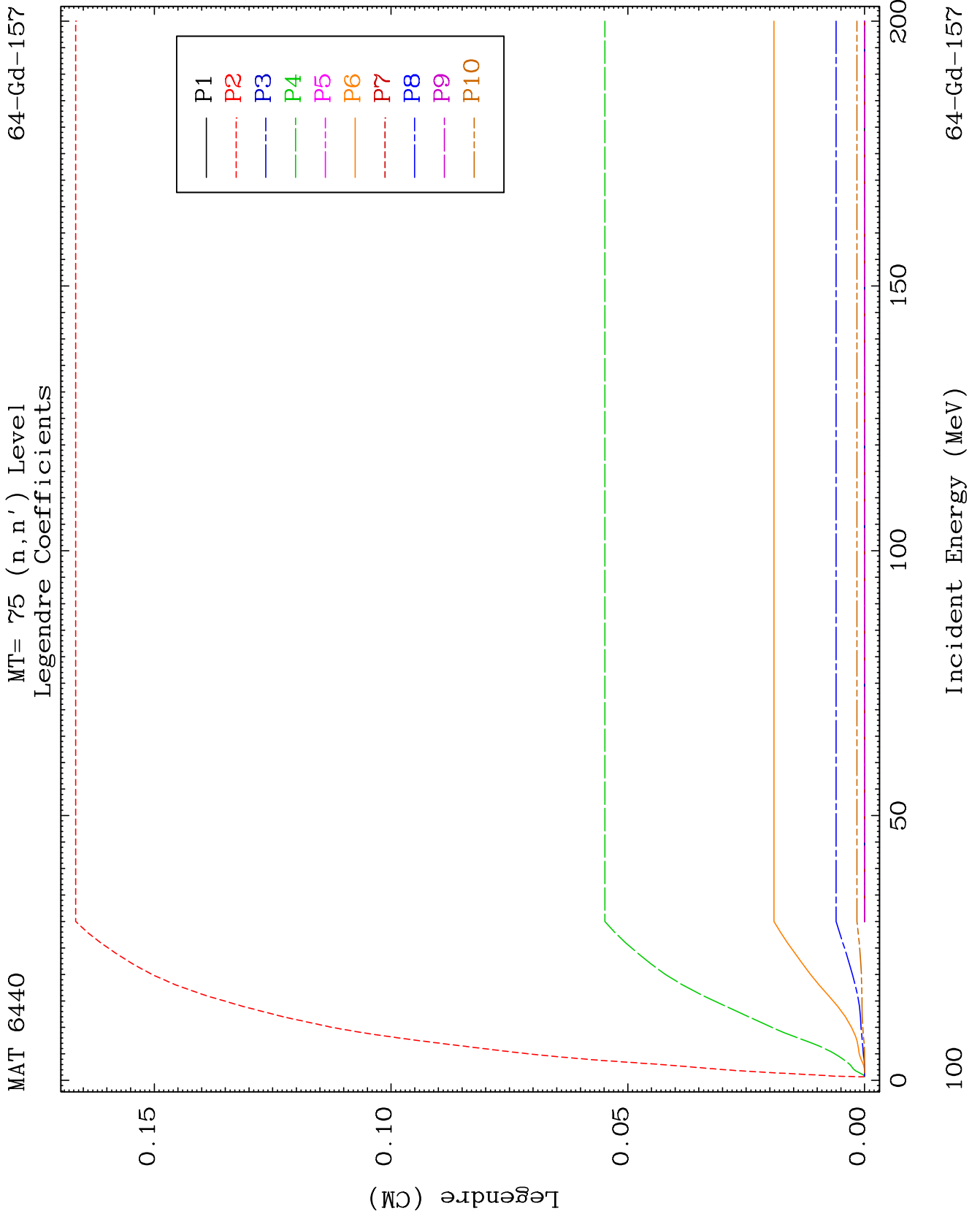
64-Gd-157

MAT 6440

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

64-Gd-157

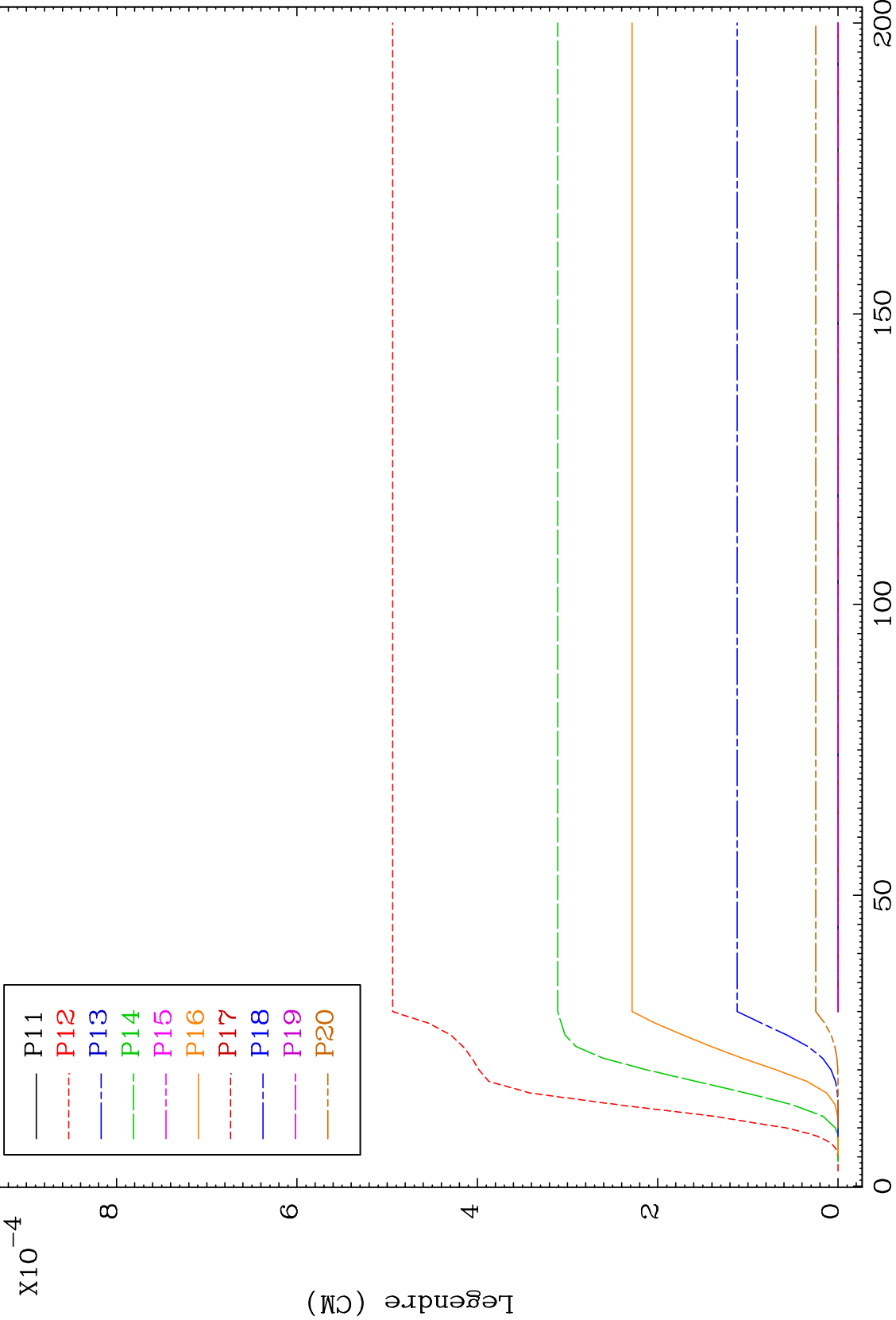
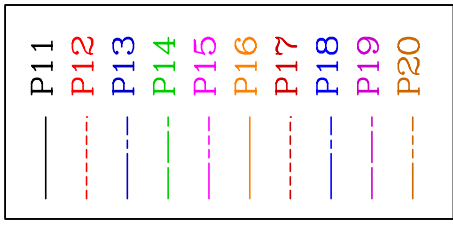




MAT 6440

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

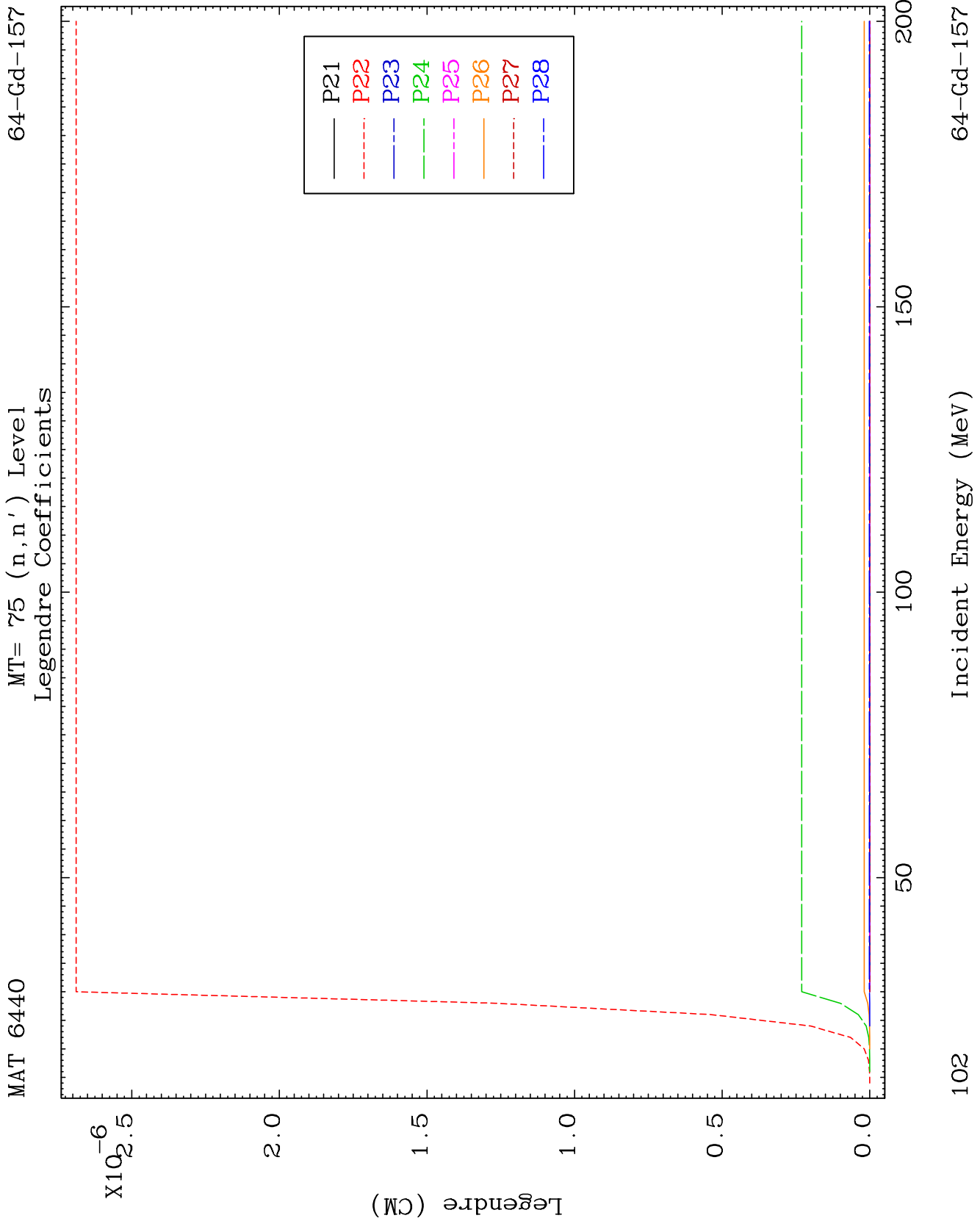
64-Gd-157



101

Incident Energy (MeV)

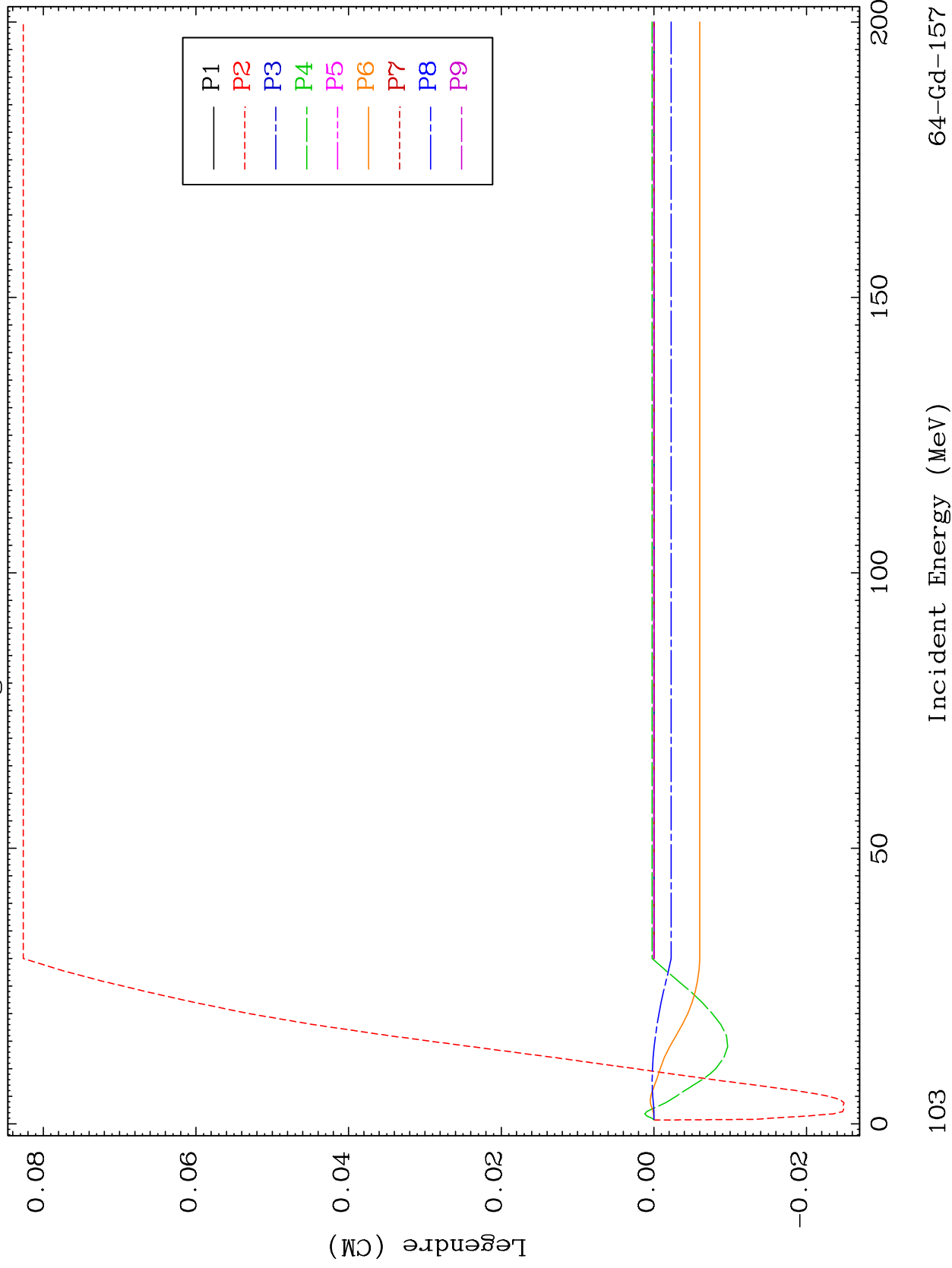
64-Gd-157



MAT 6440

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

64-Gd-157



64-Gd-157

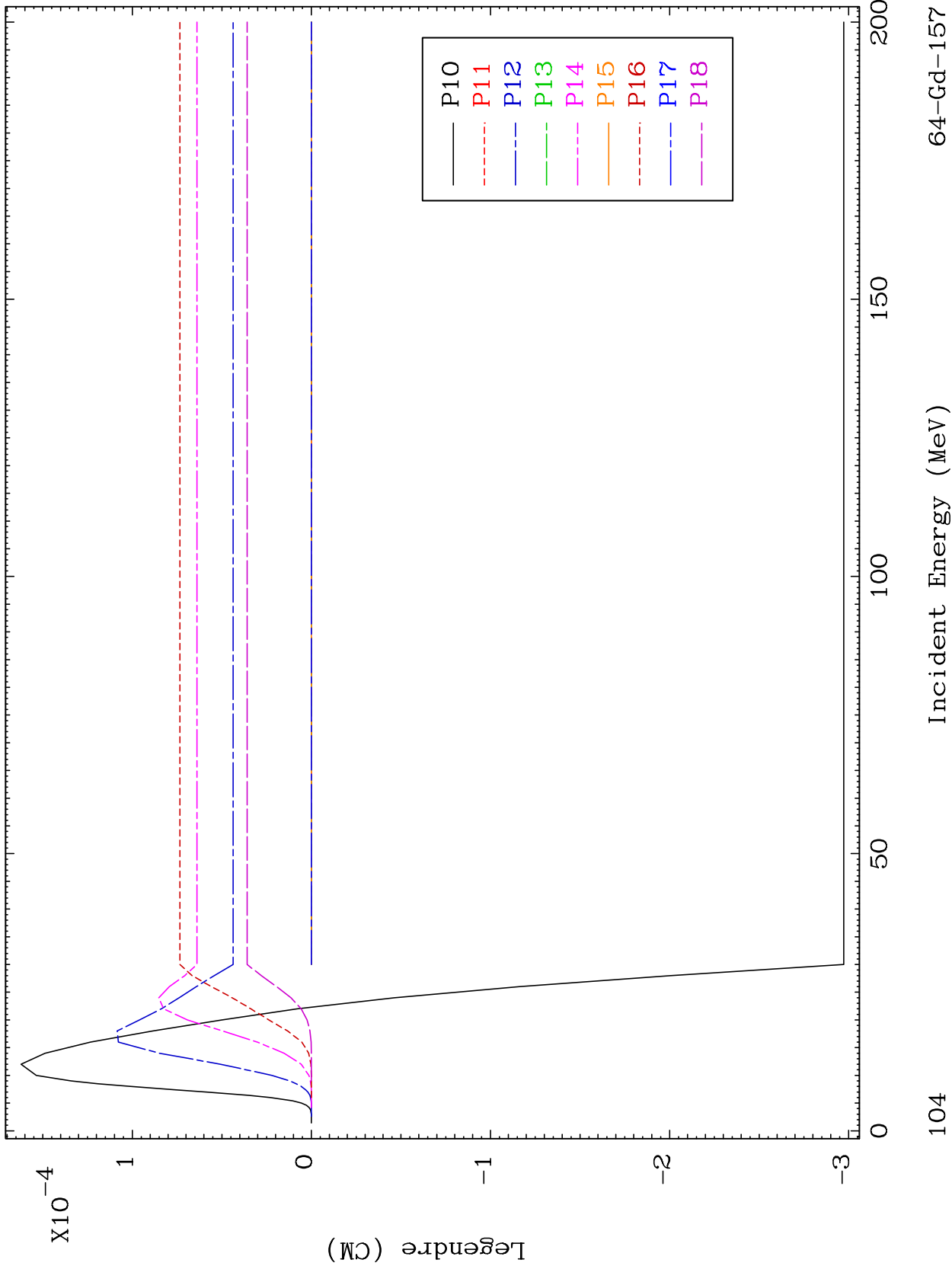
Incident Energy (MeV)

103

MAT 6440

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

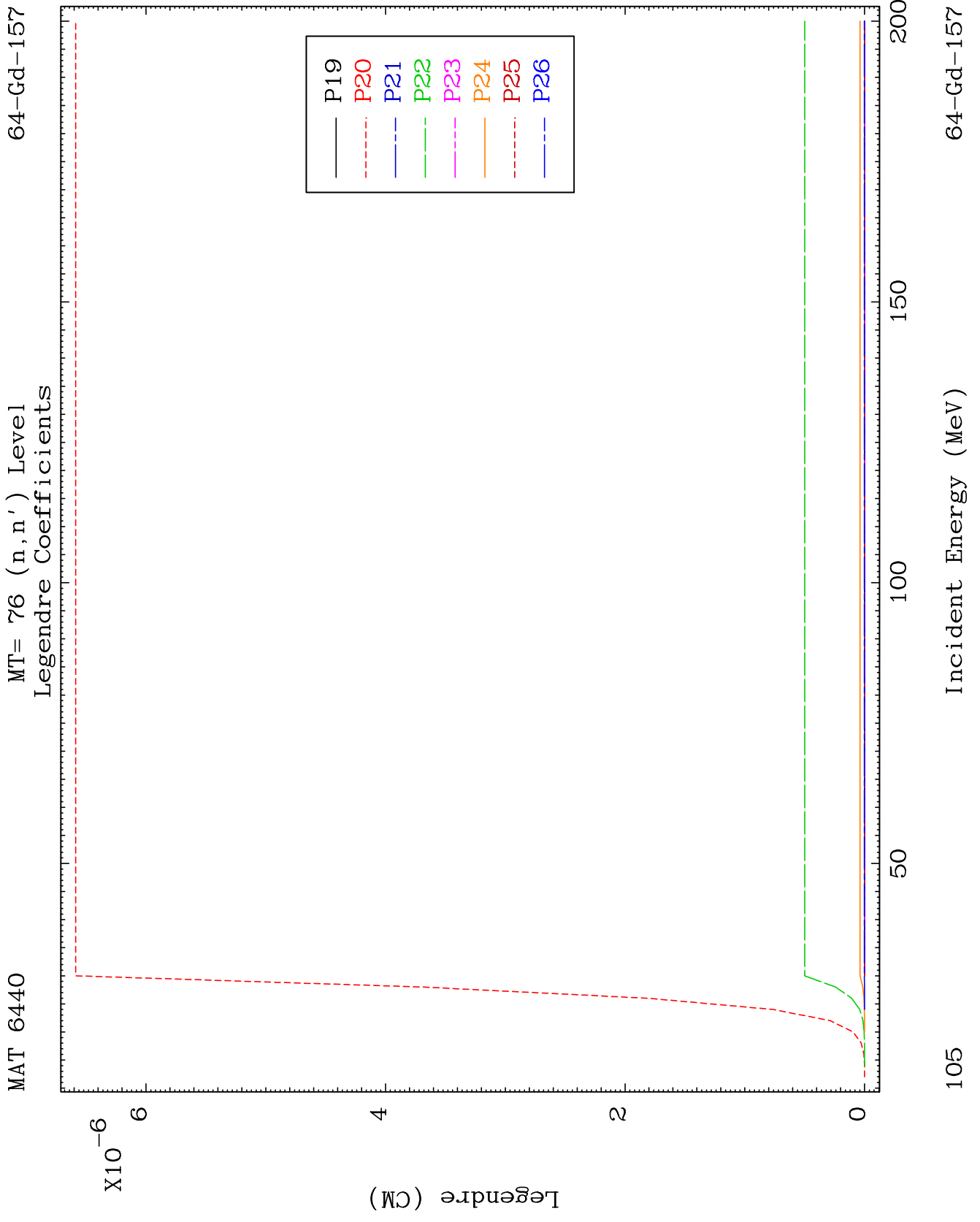
64-Gd-157

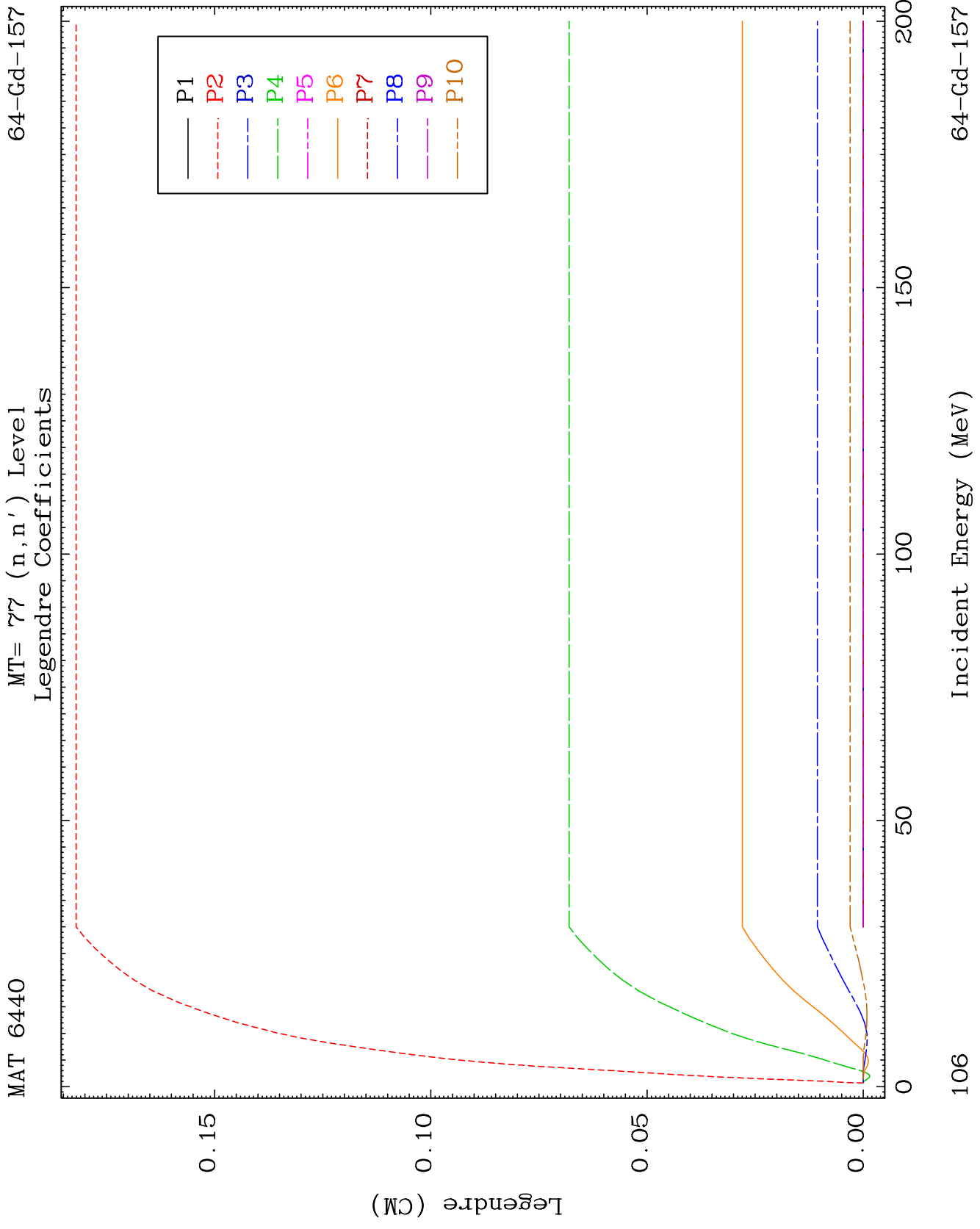


104

Incident Energy (MeV)

64-Gd-157

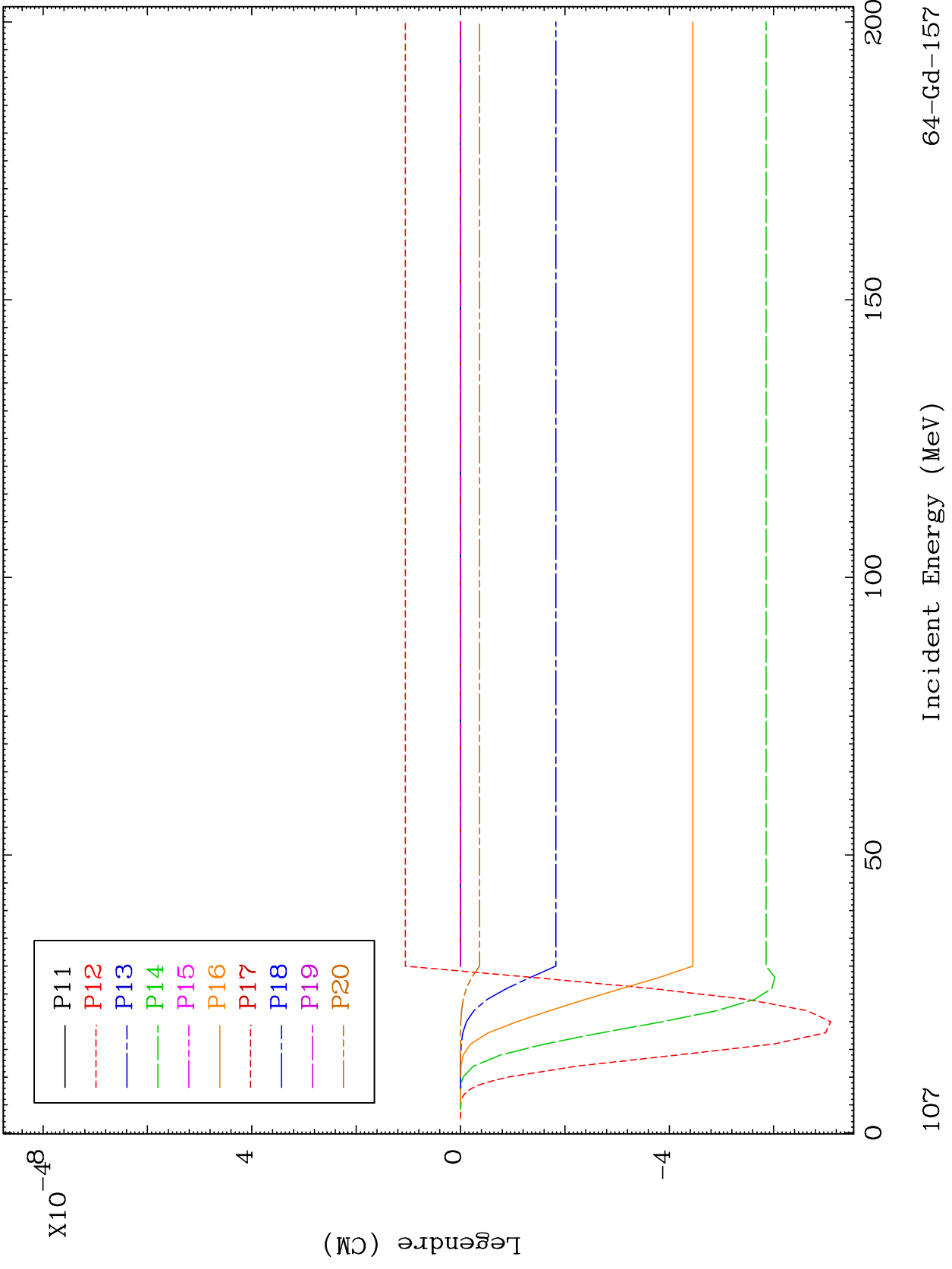




MAT 6440

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

64-Gd-157



107

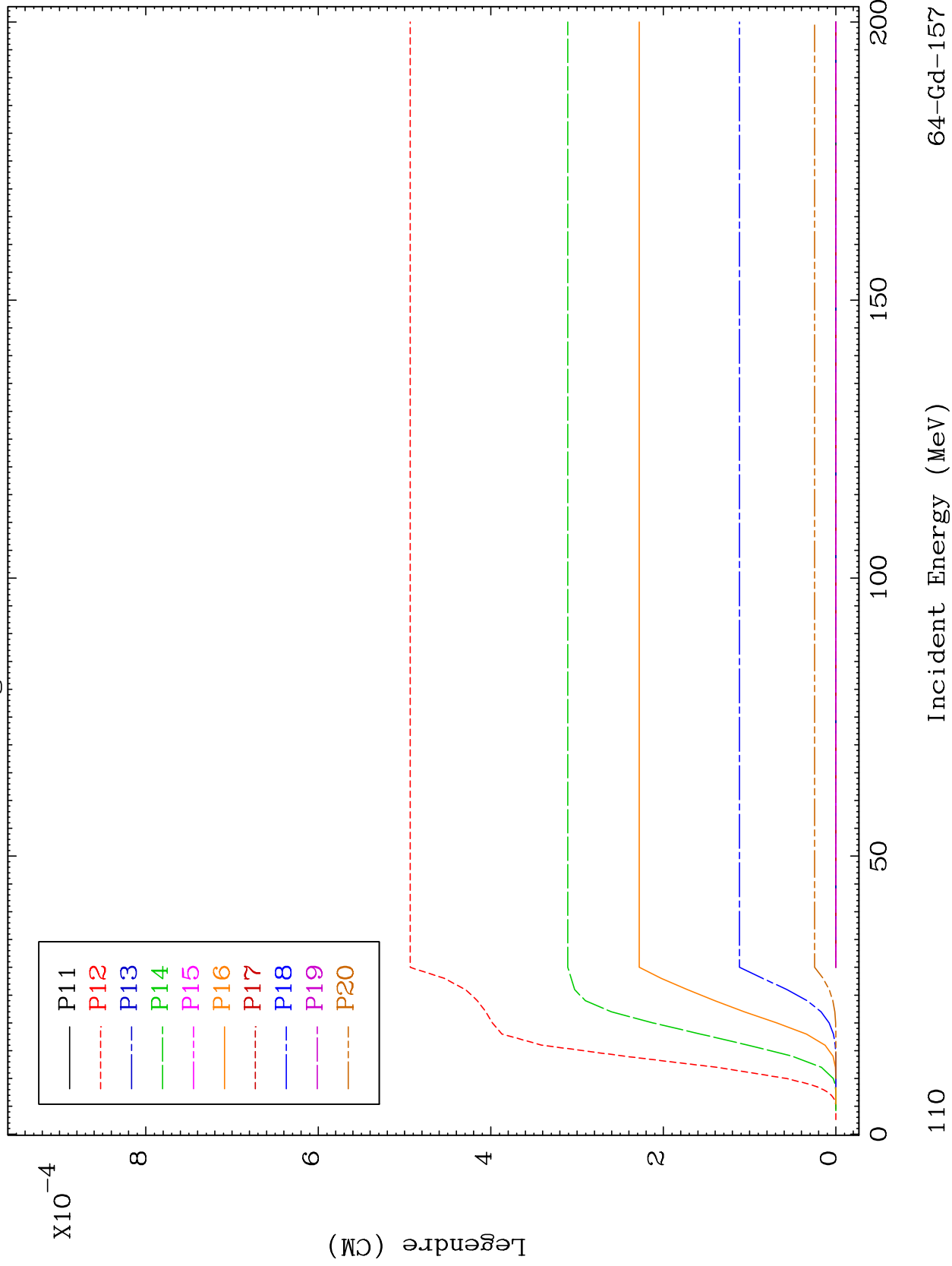
Incident Energy (MeV)

64-Gd-157

MAT 6440

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

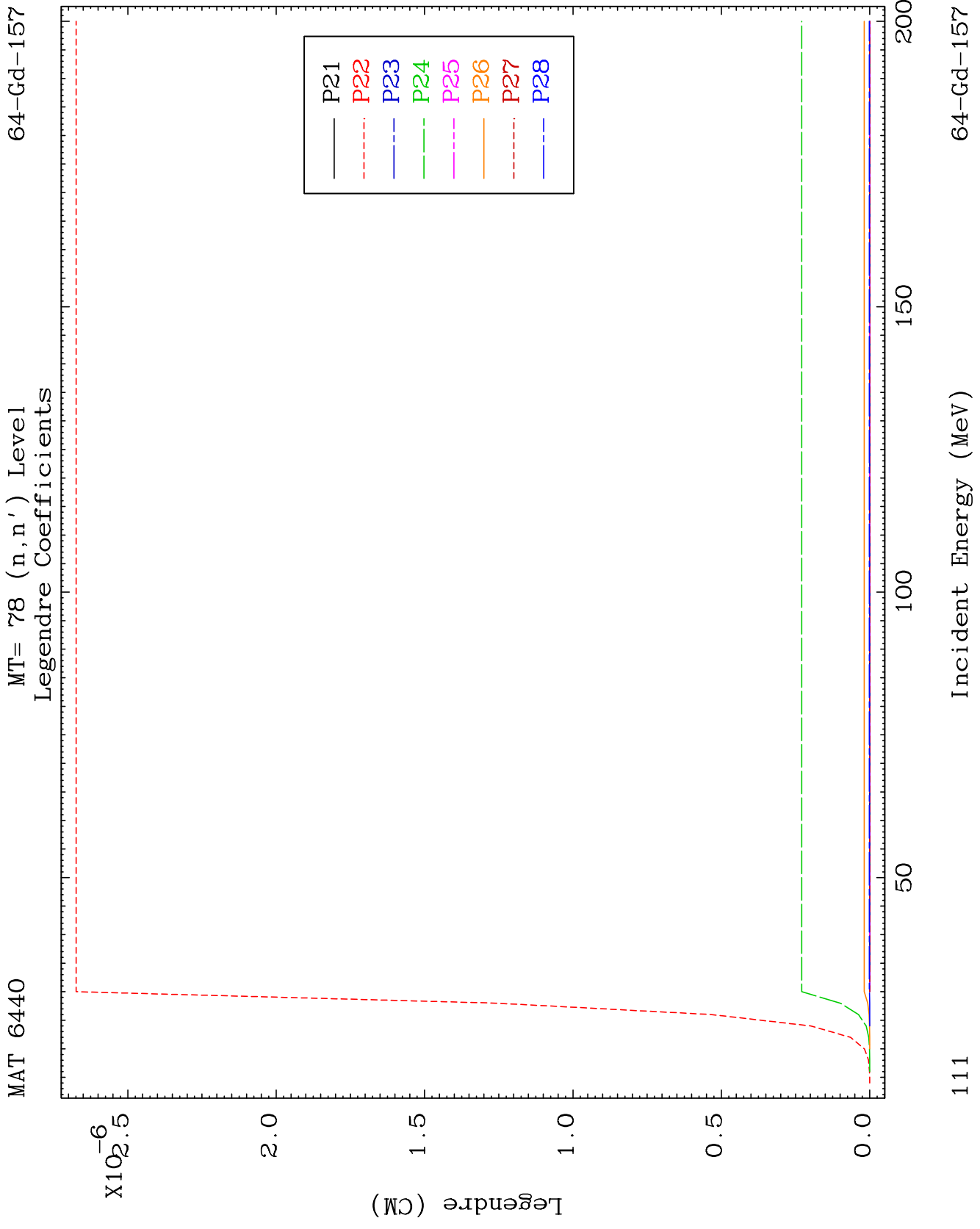
64-Gd-157

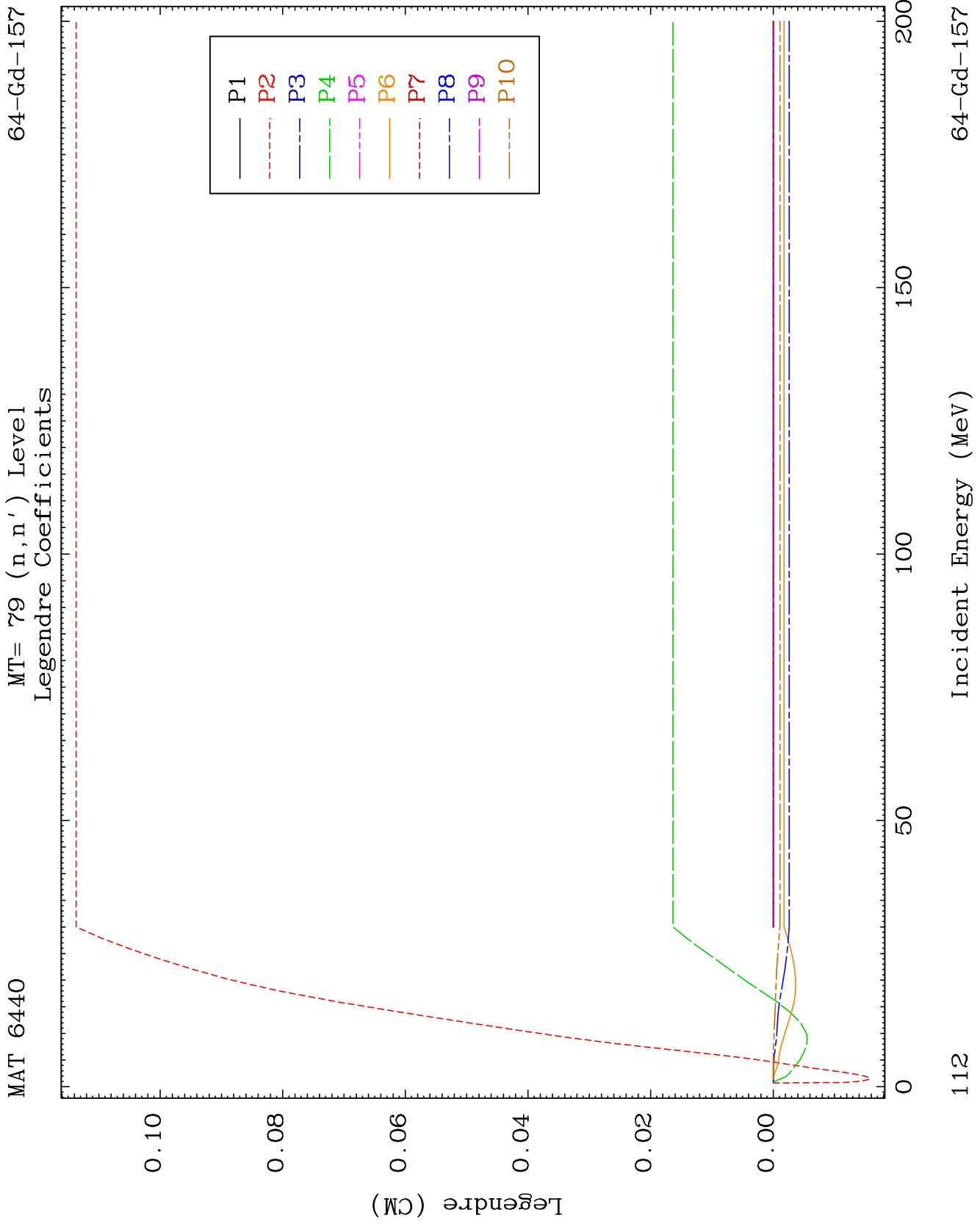


64-Gd-157

Incident Energy (MeV)

110

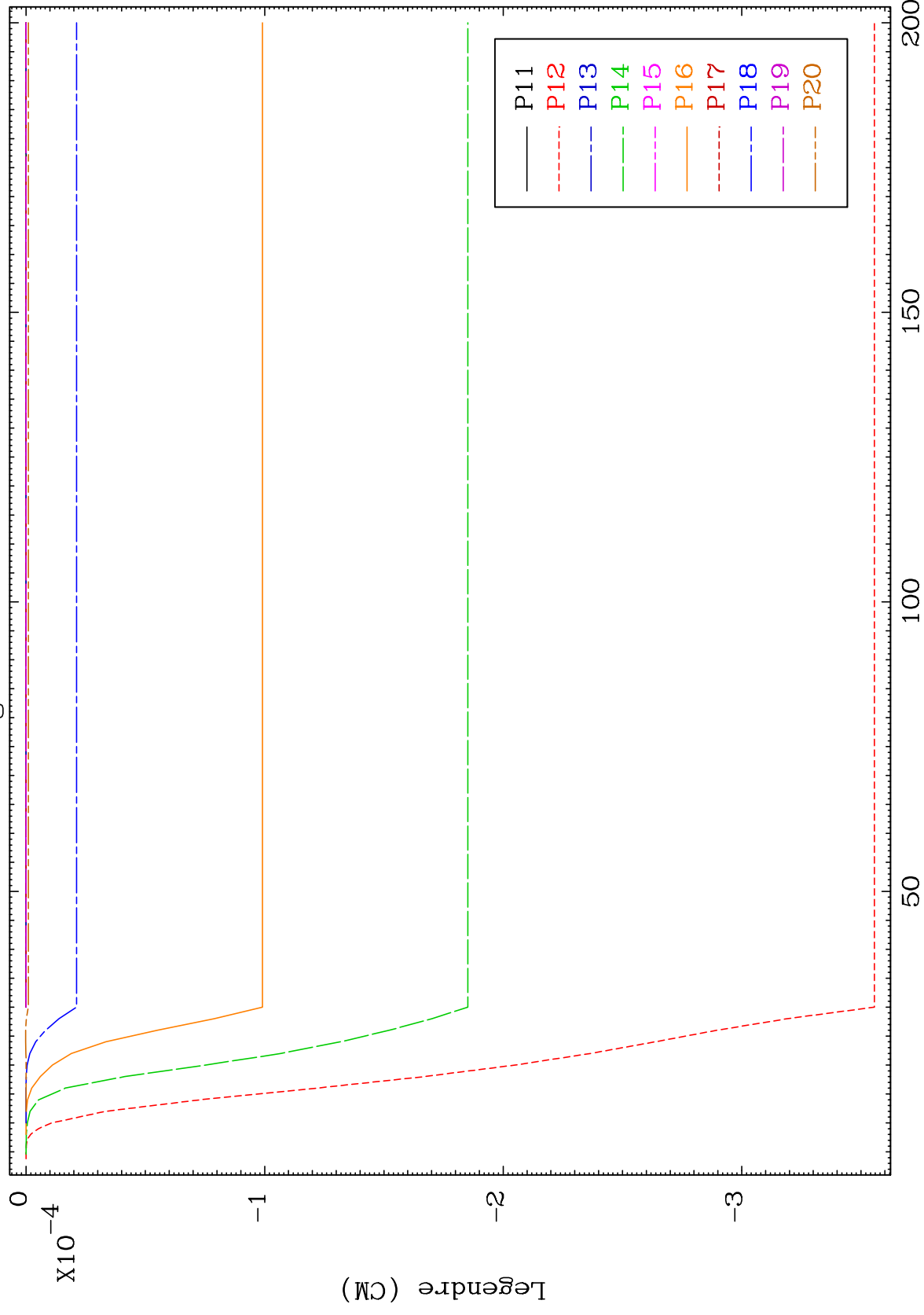




MAT 6440

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

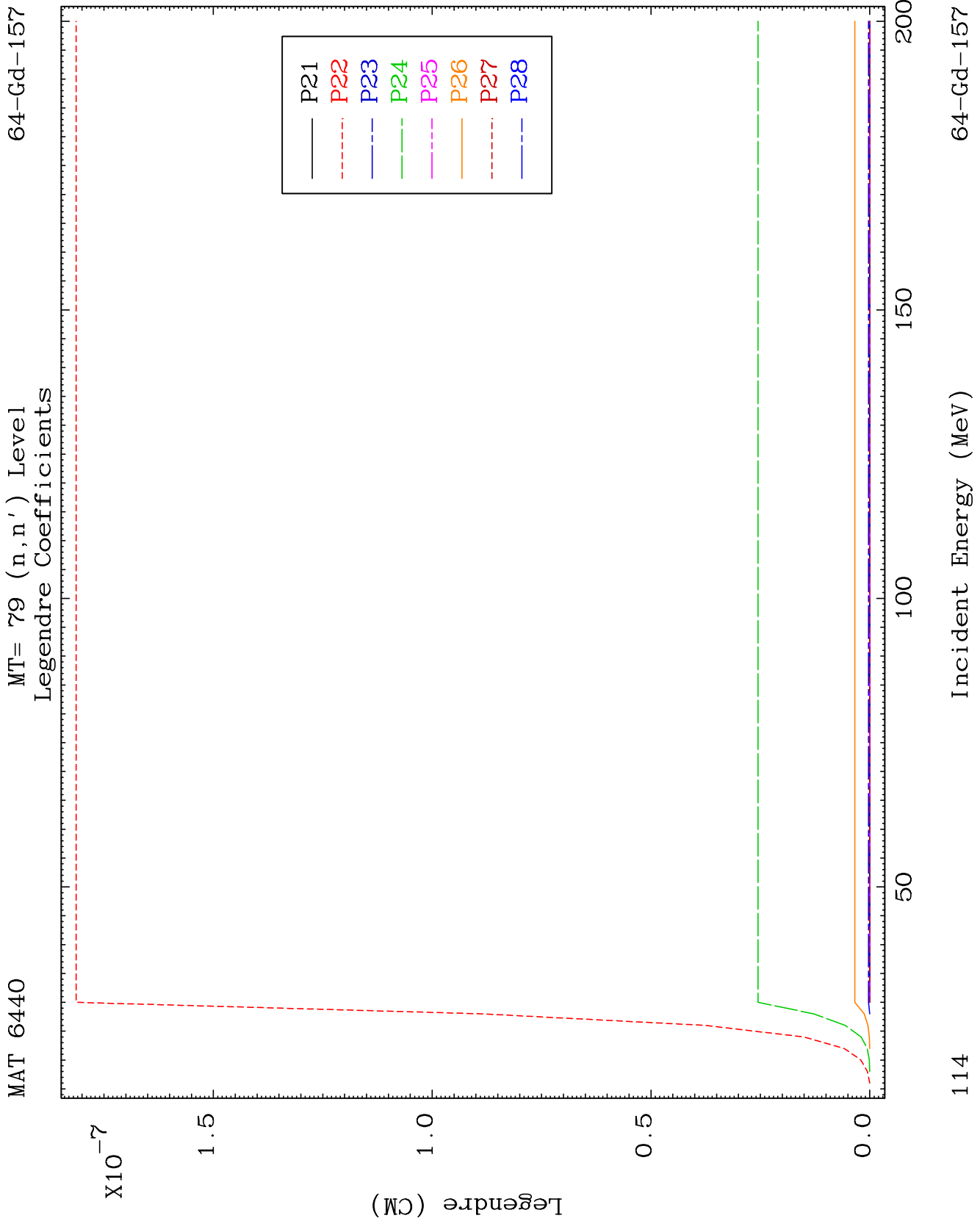
64-Gd-157

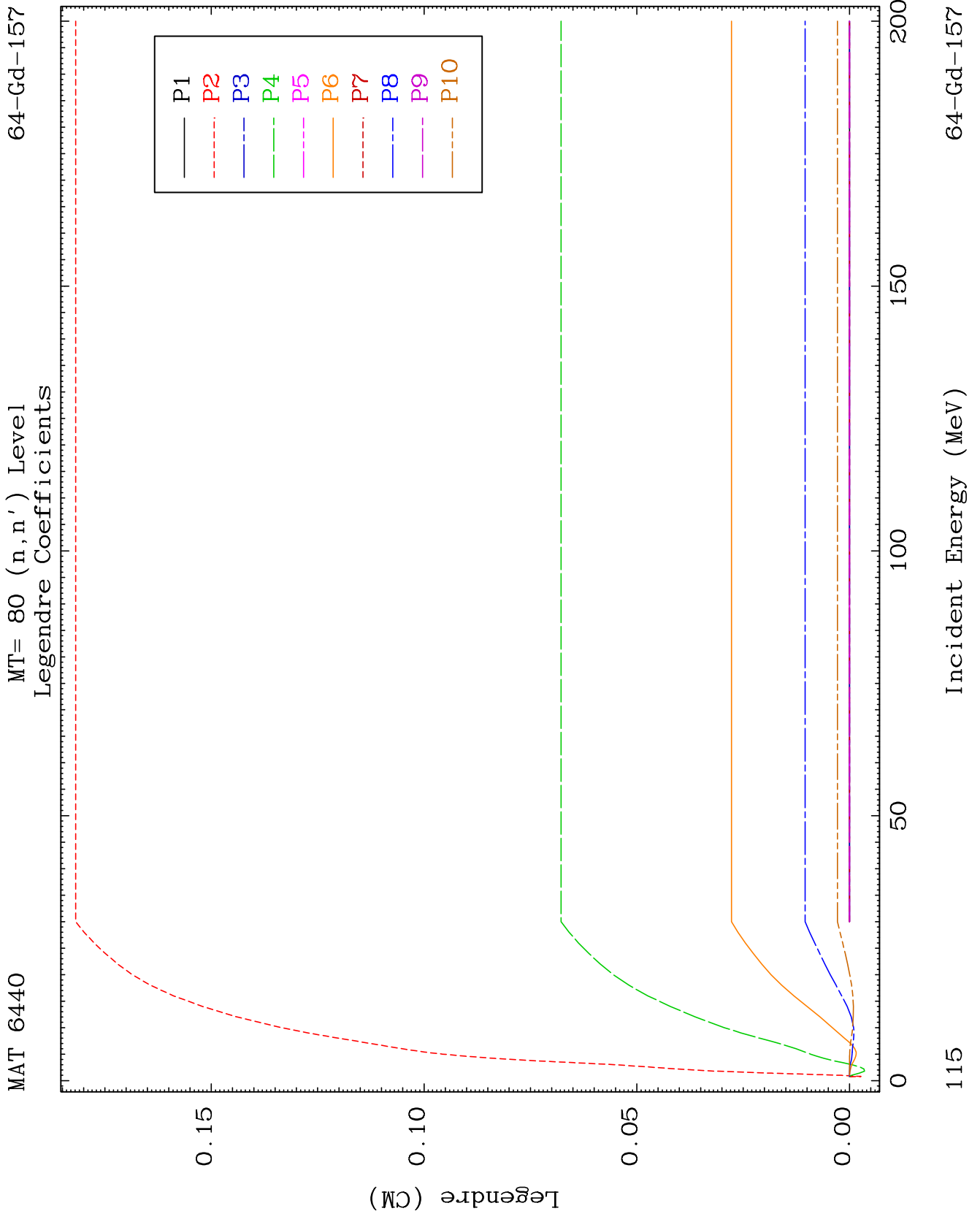


113

Incident Energy (MeV)

64-Gd-157

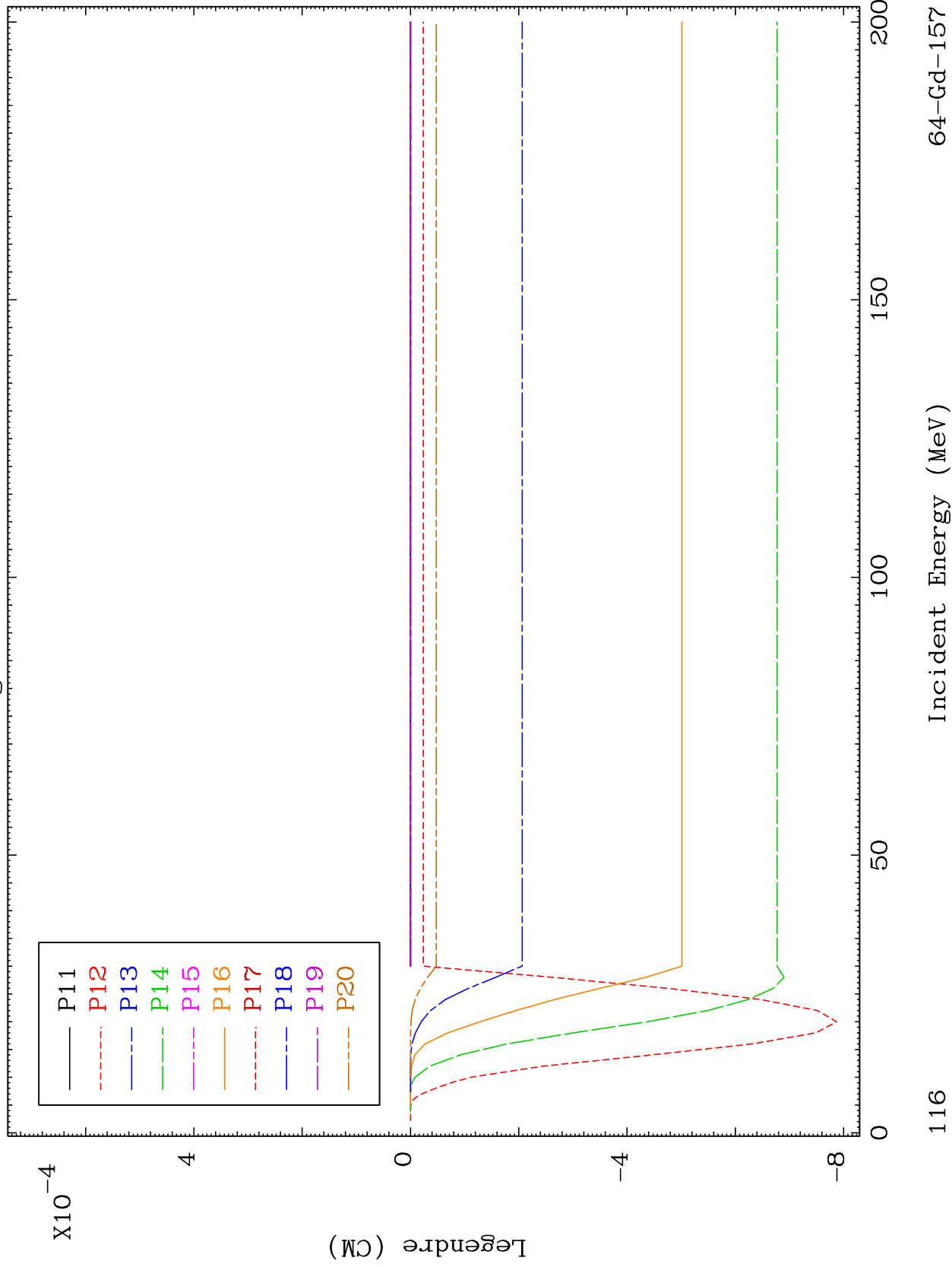




MAT 6440

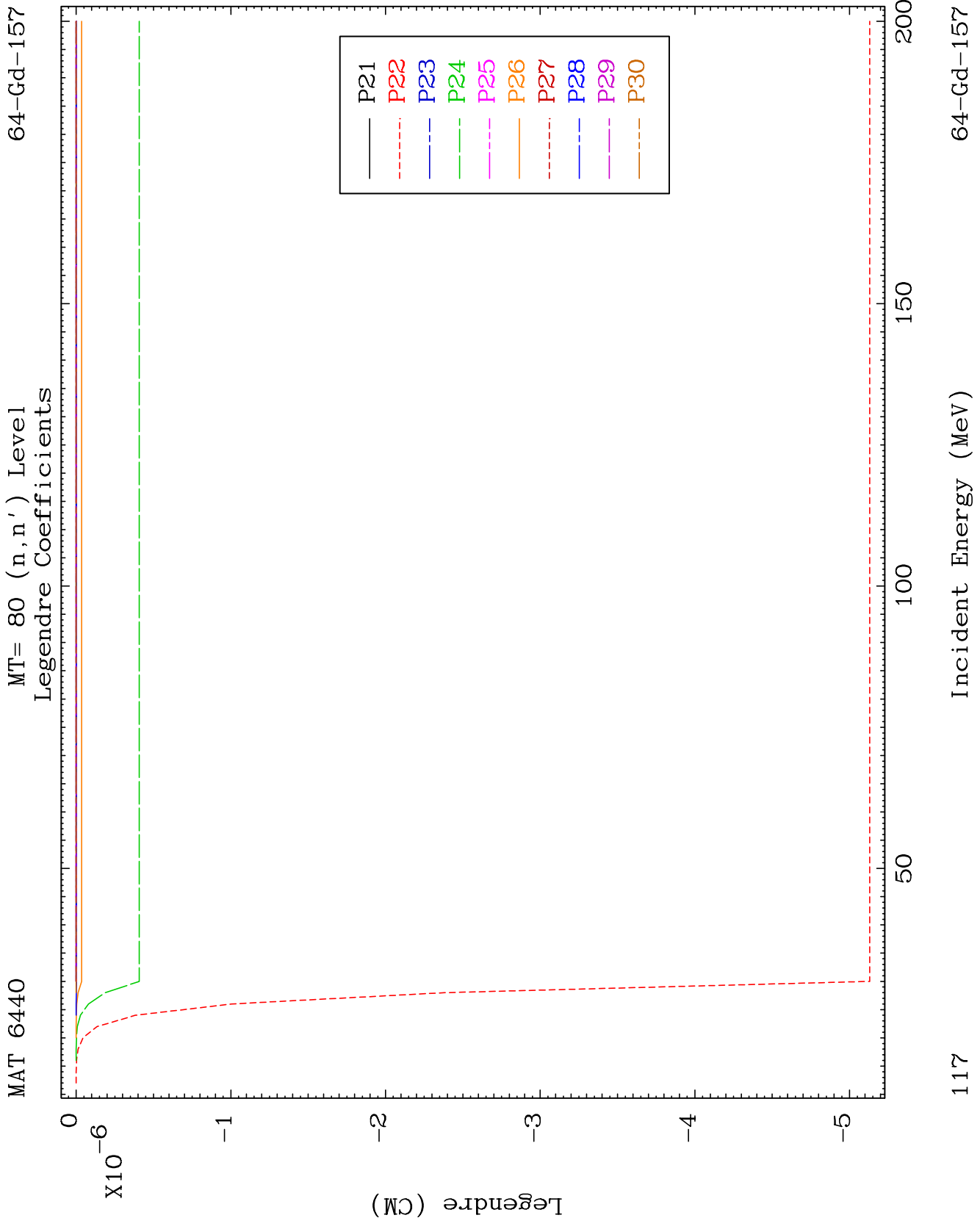
MT= 80 (n,n') Level
Legendre Coefficients

64-Gd-157



116

64-Gd-157

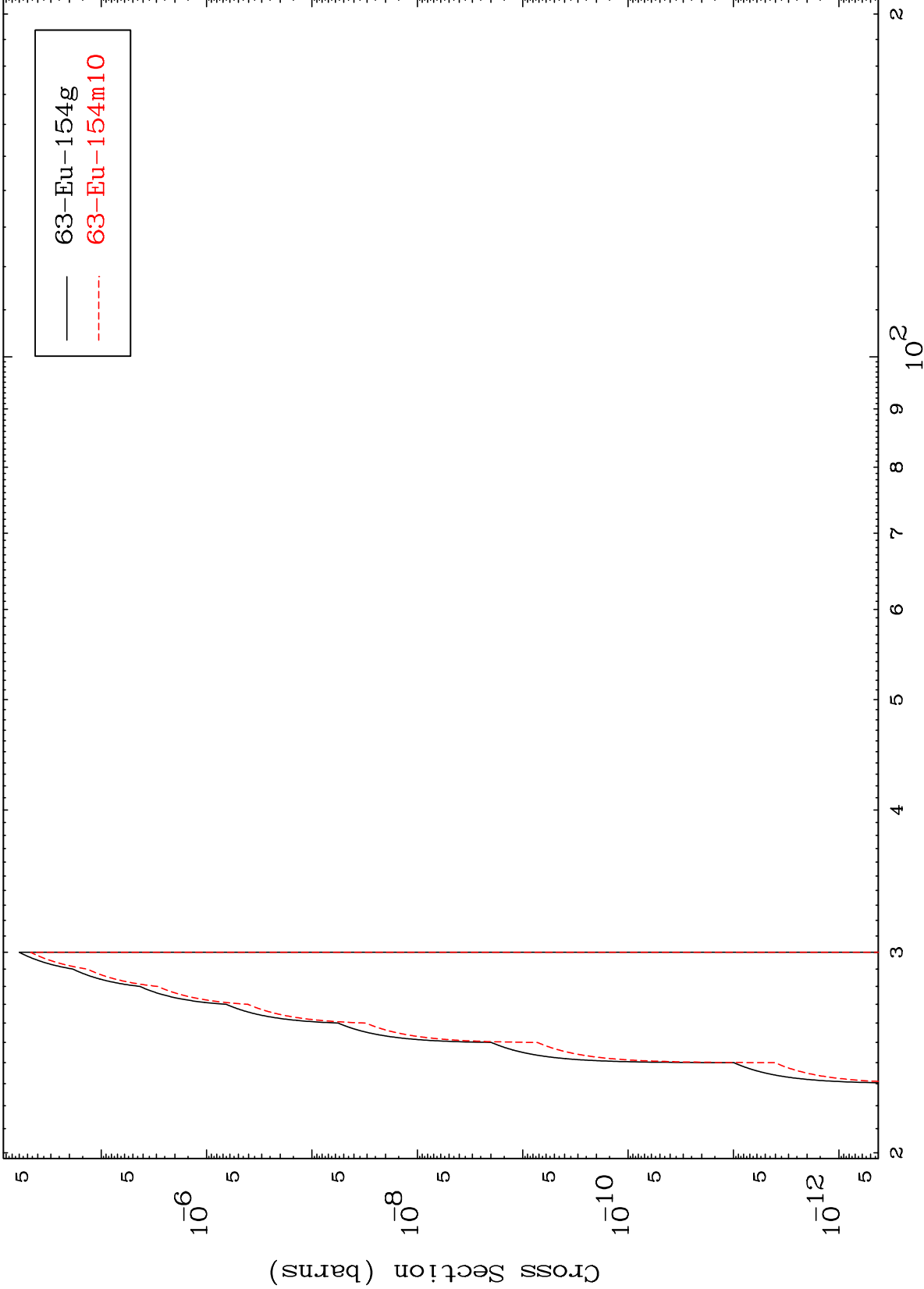


MAT 6440

(n,2n) d

64-Gd-157

Radionuclide Production Cross Section

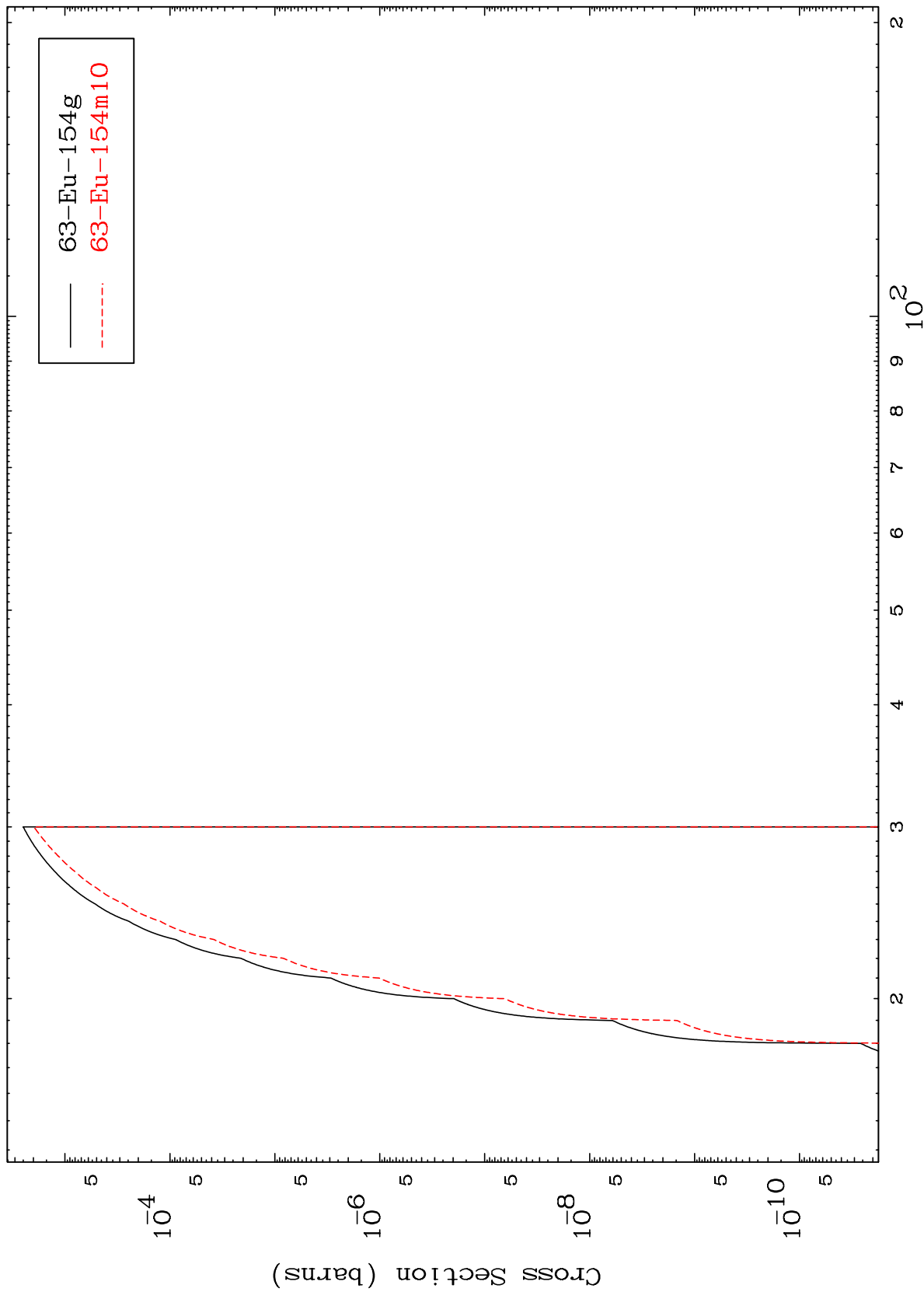


118

Incident Energy (MeV)

64-Gd-157

Radionuclide Production Cross Section

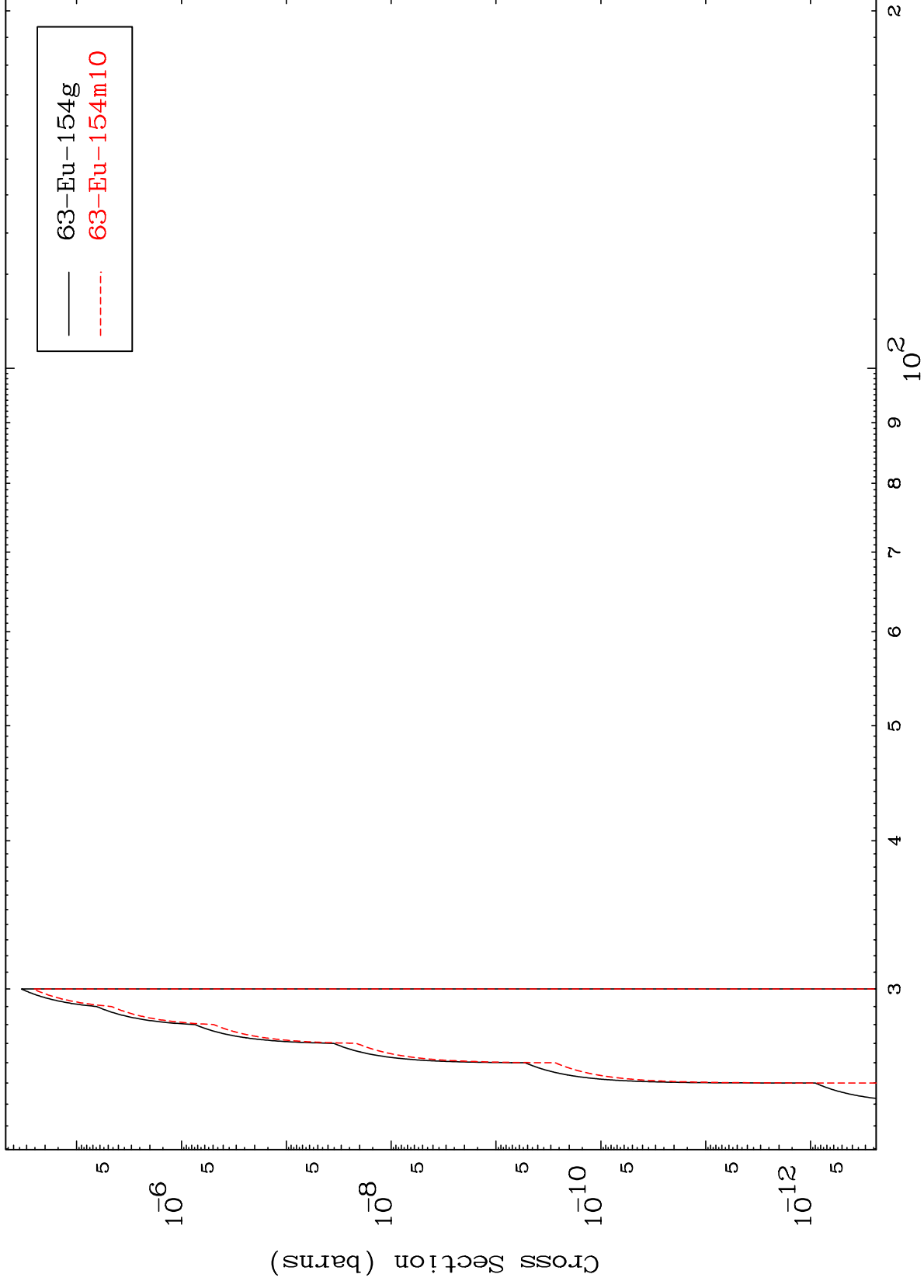


MAT 6440

(n,3n) p

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Radionuclide Production Cross Section



120

Incident Energy (MeV)

64-Gd-157

MAT 6440

(n,n') p α

64-Gd-157

