

Program EVALPLOT
(Version 2017-1)

by

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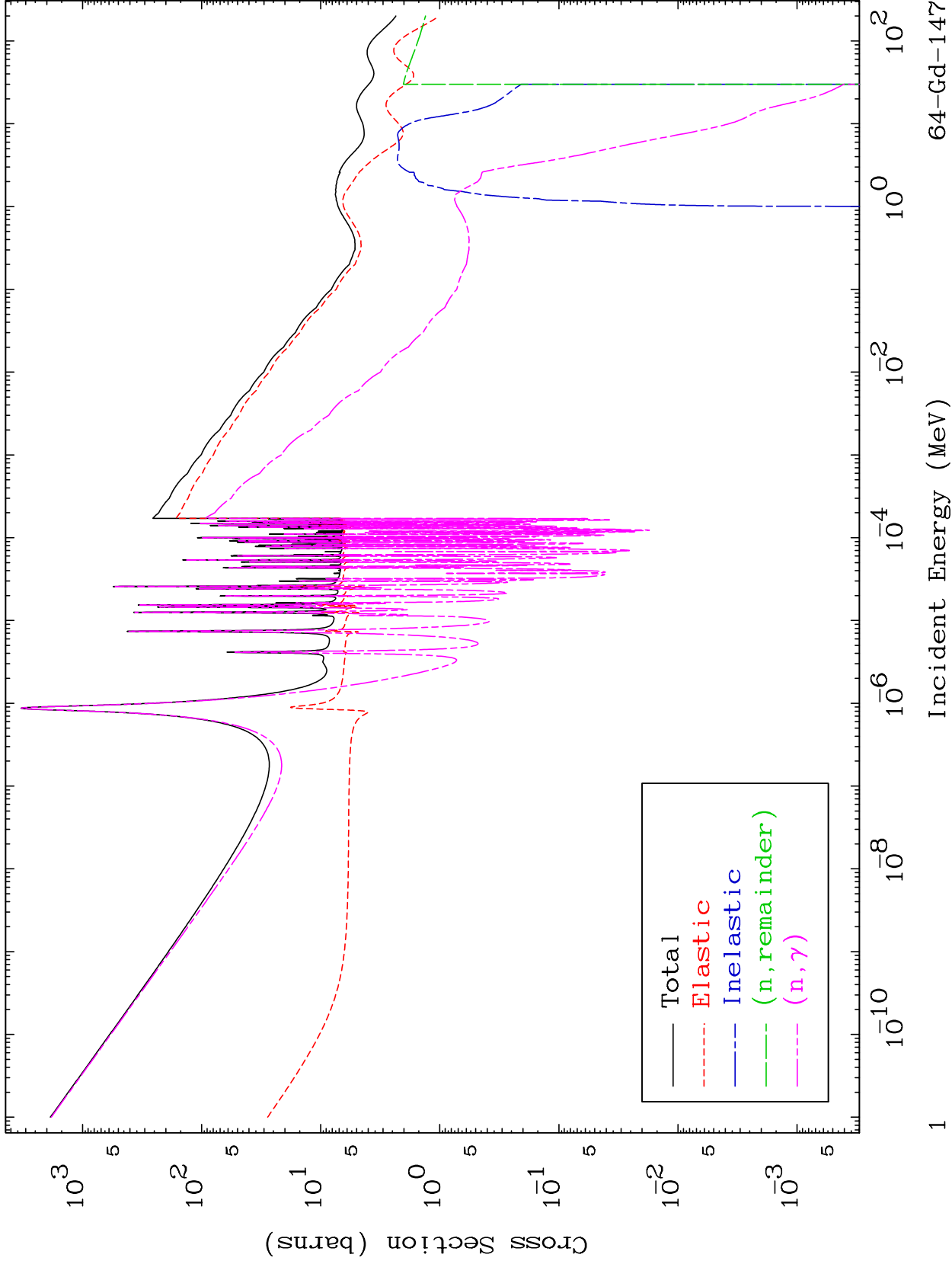
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6410

Major
293 Kelvin Cross Sections

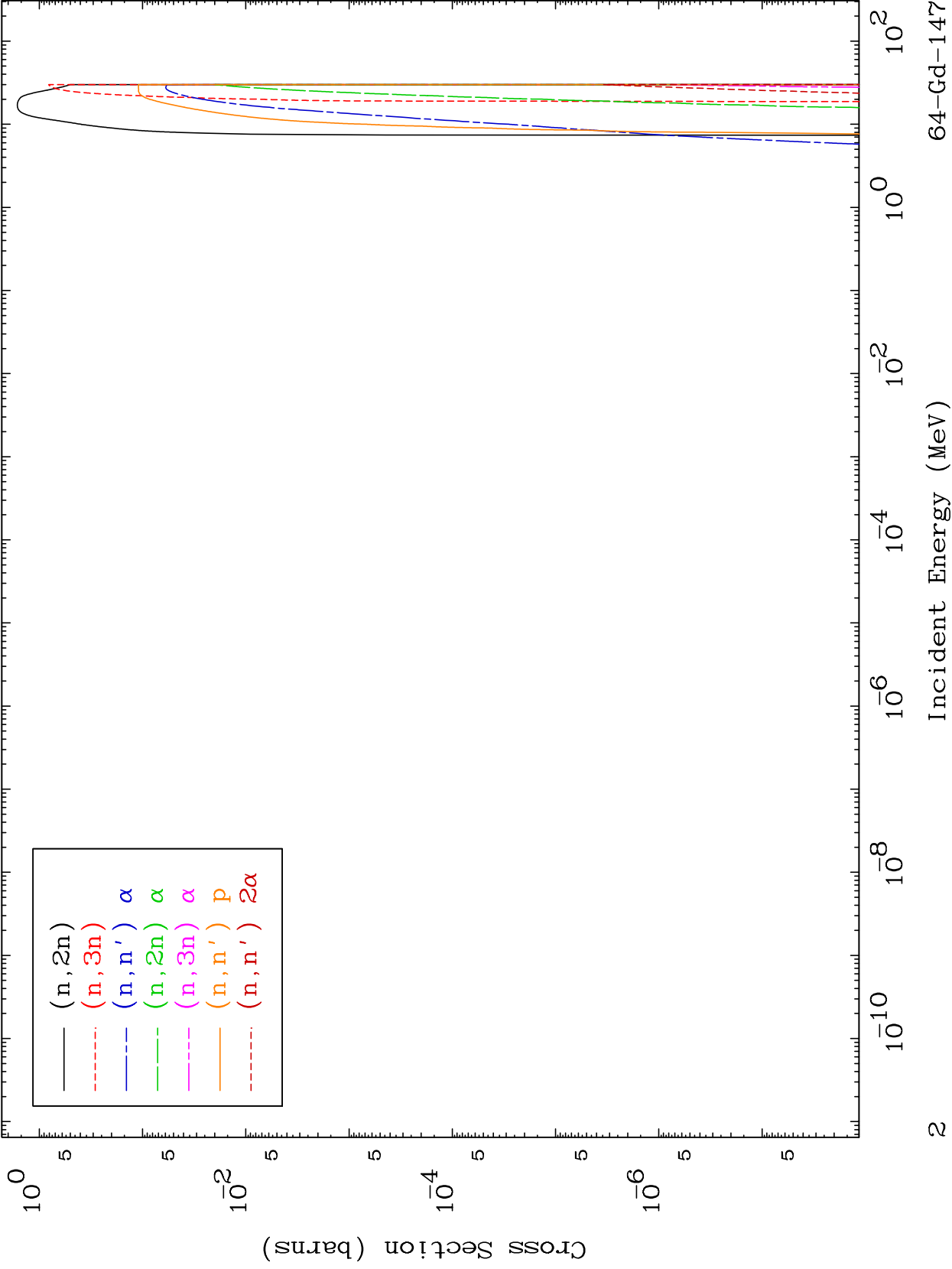
64-Gd-147

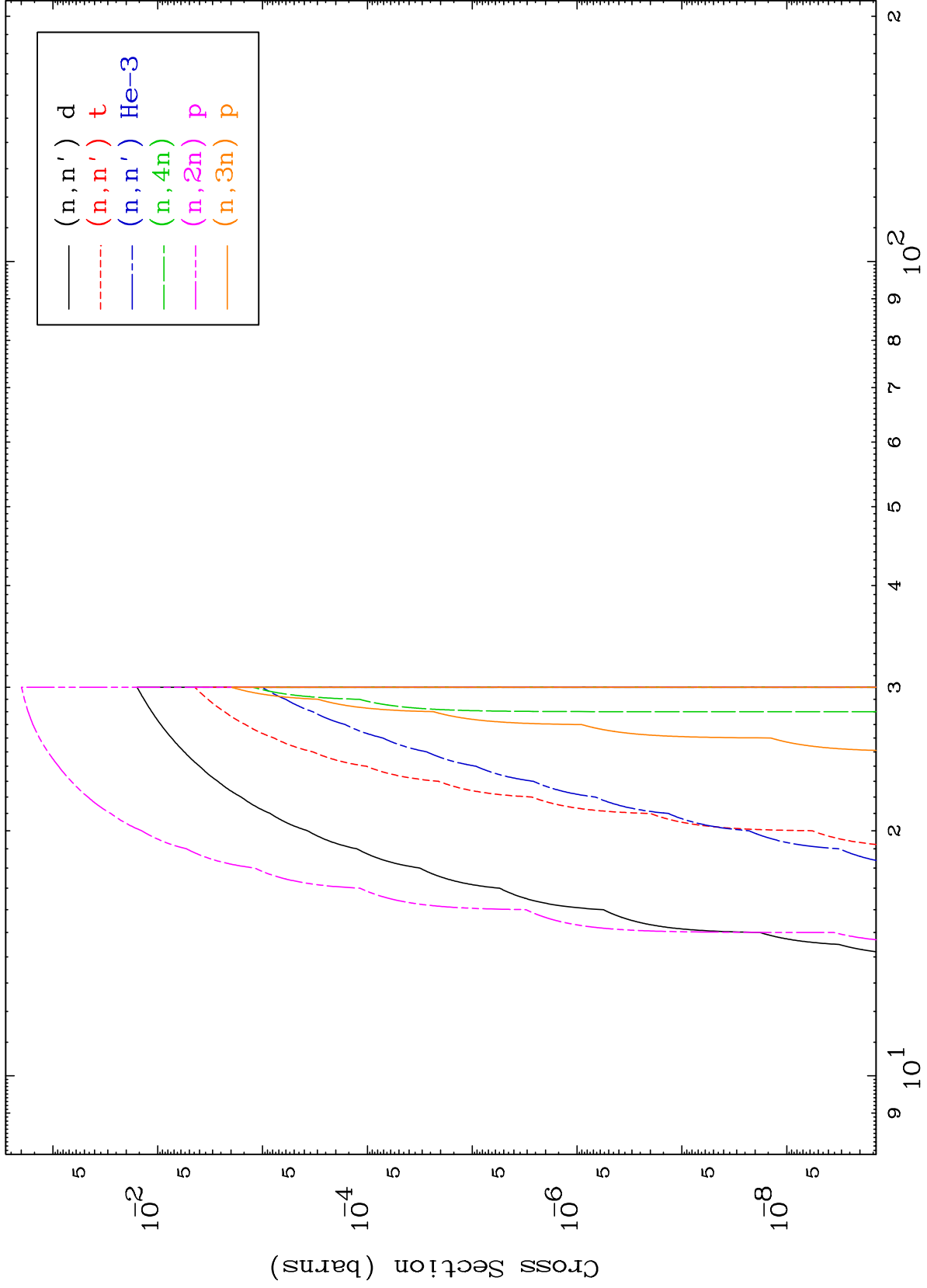


MAT 6410

Neutron Production
293 Kelvin Cross Sections

64-Gd-147

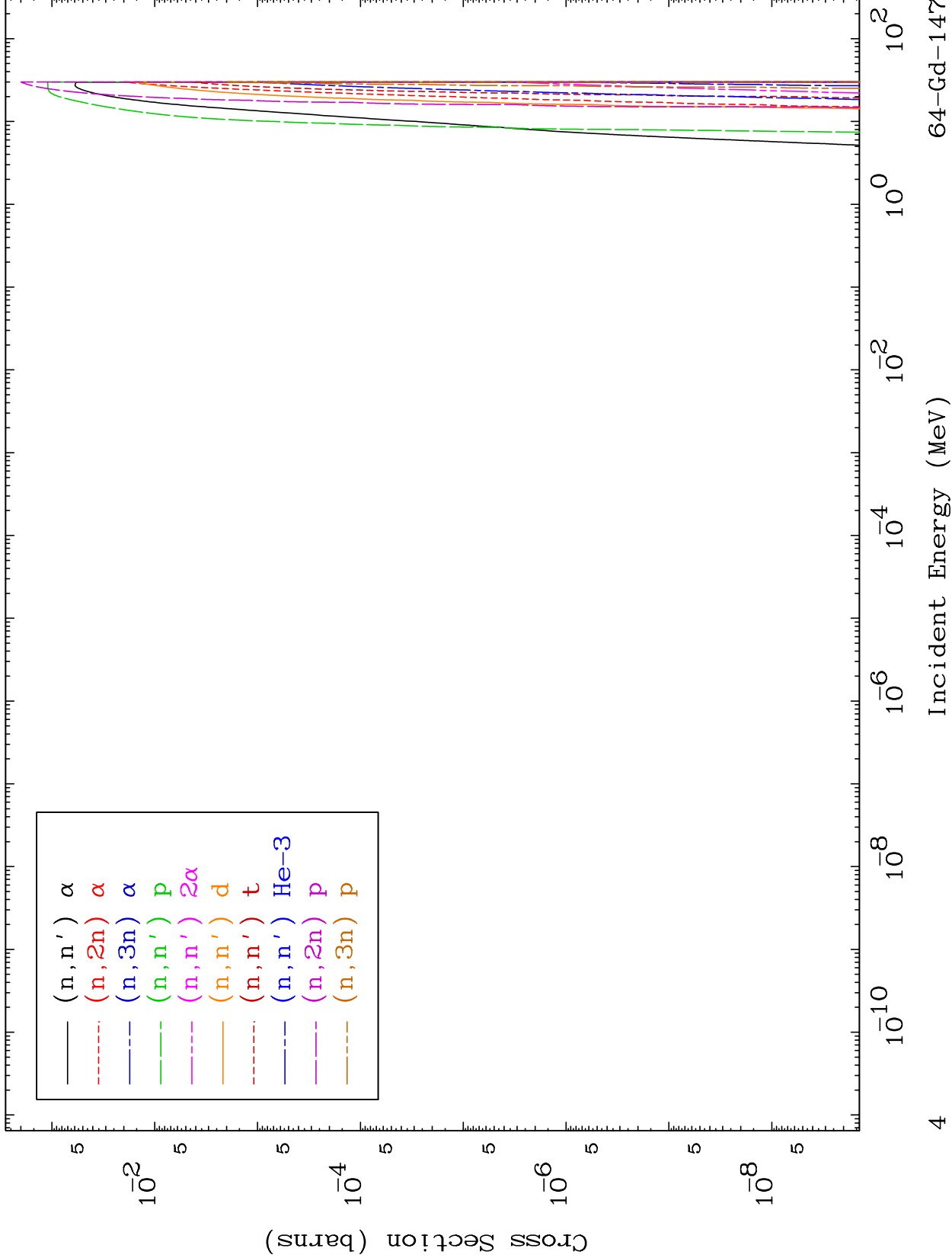




MAT 6410

Charged Particle
293 Kelvin Cross Sections

64-Gd-147

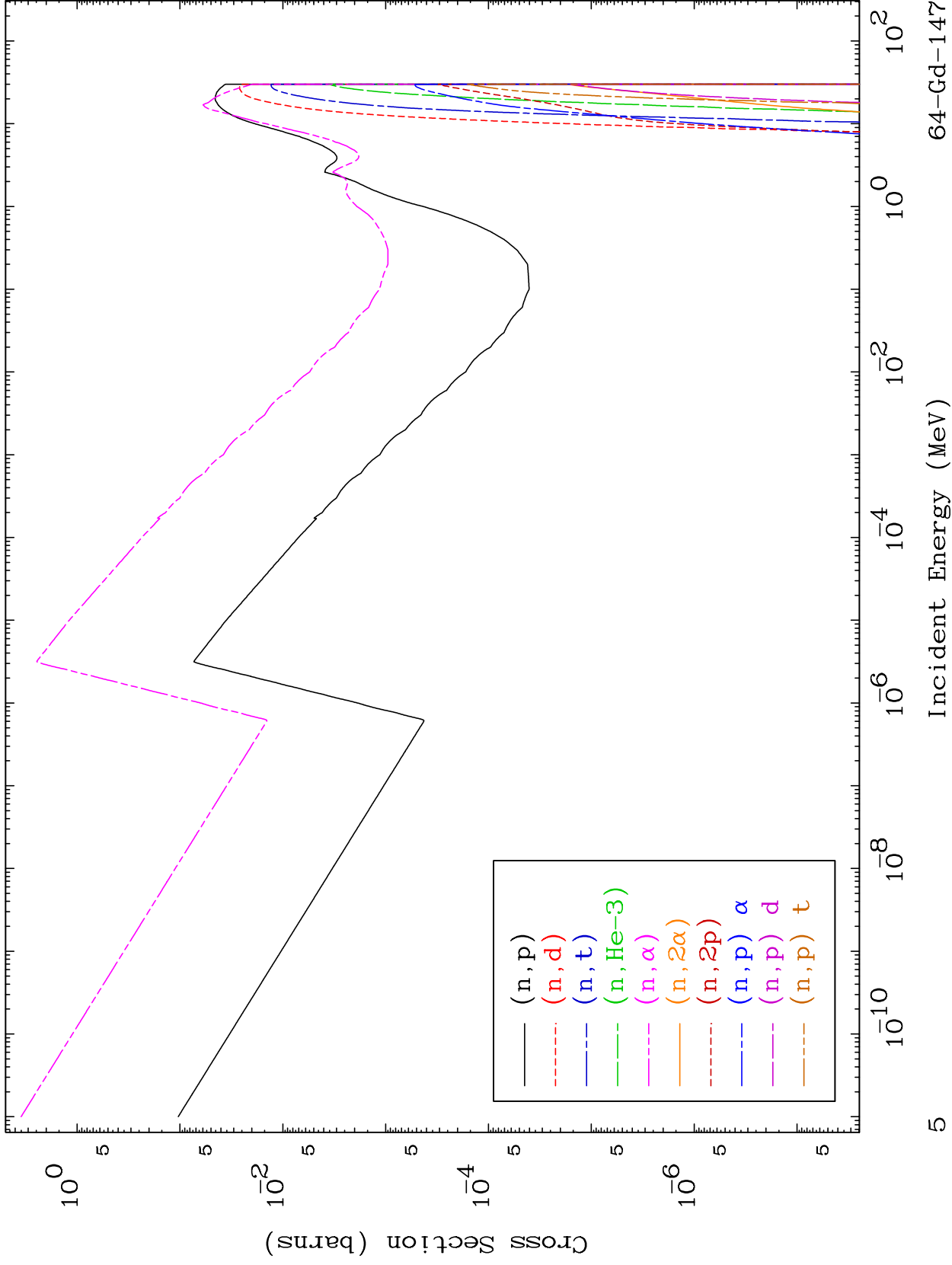


64-Gd-147

MAT 6410

Charged Particle
293 Kelvin Cross Sections

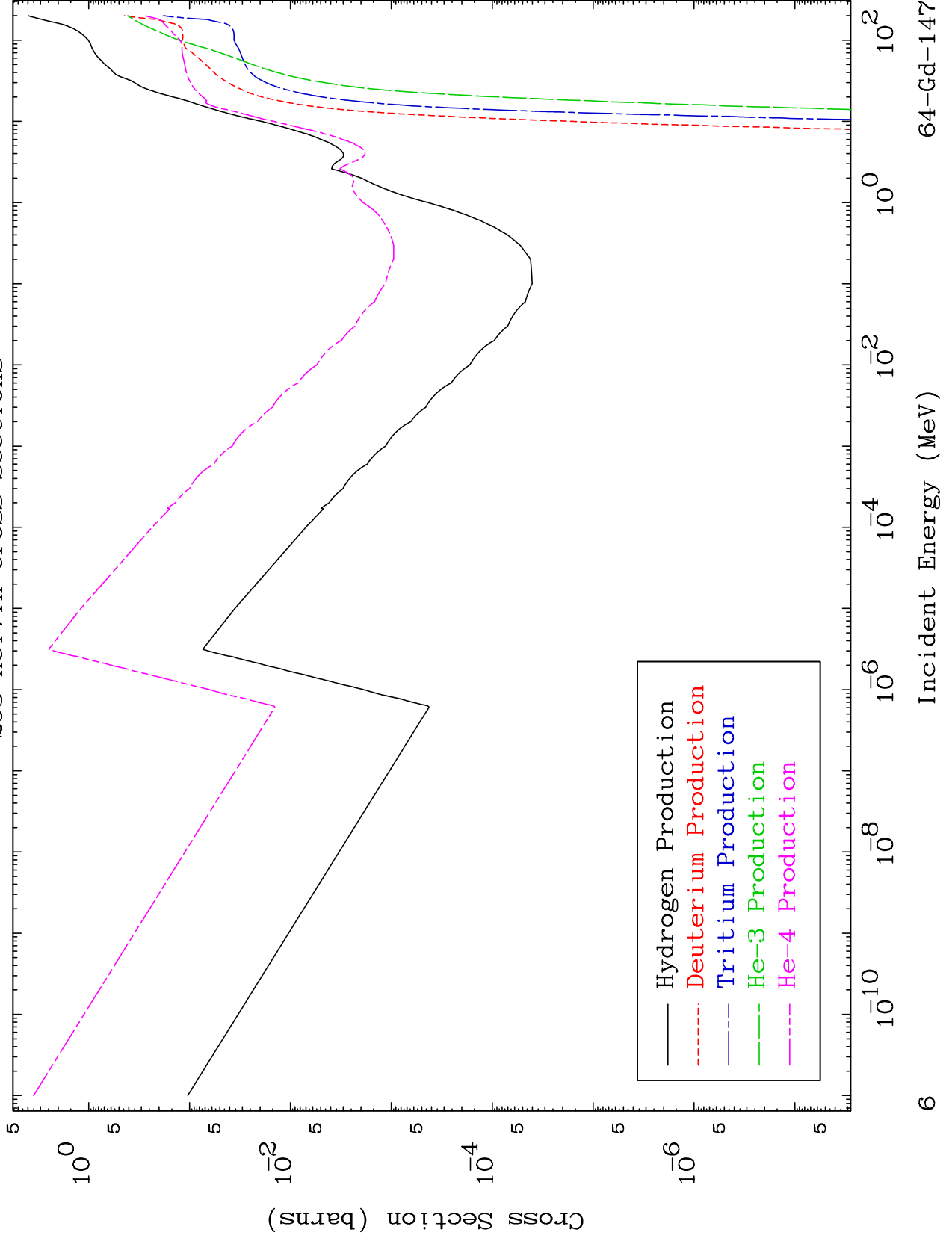
64-Gd-147



MAT 6410

Particle Production
293 Kelvin Cross Sections

64-Gd-147

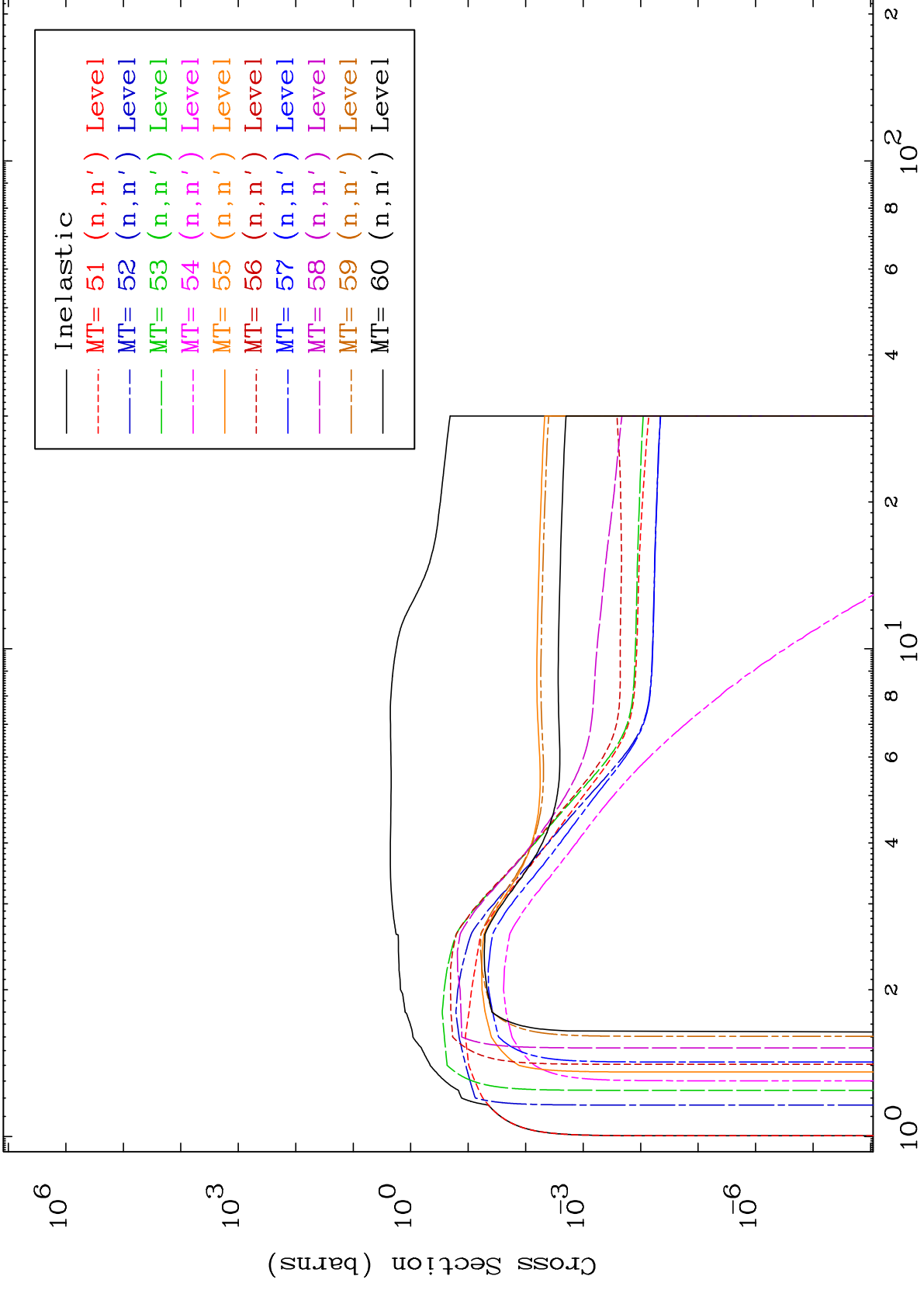


MAT 6410

(n,n') Level

64-Gd-147

293 Kelvin Cross Sections



Incident Energy (MeV)

64-Gd-147

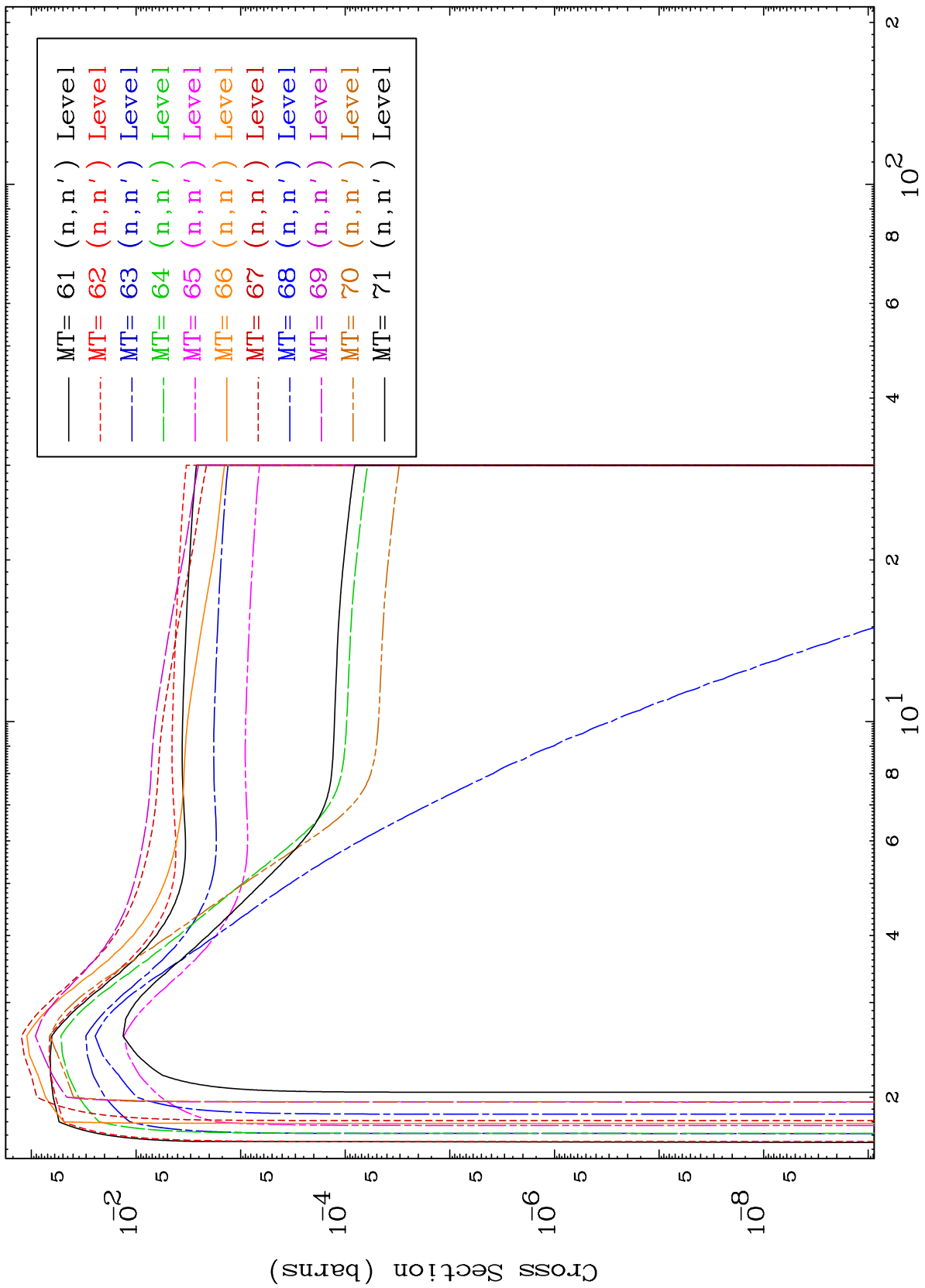
7

MAT 6410

(n,n') Level

64-Gd-147

293 Kelvin Cross Sections



8

Incident Energy (MeV)

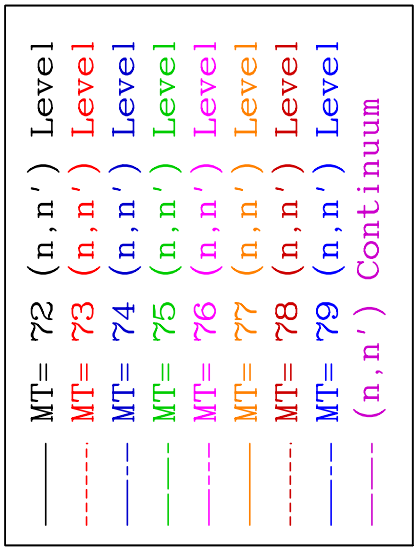
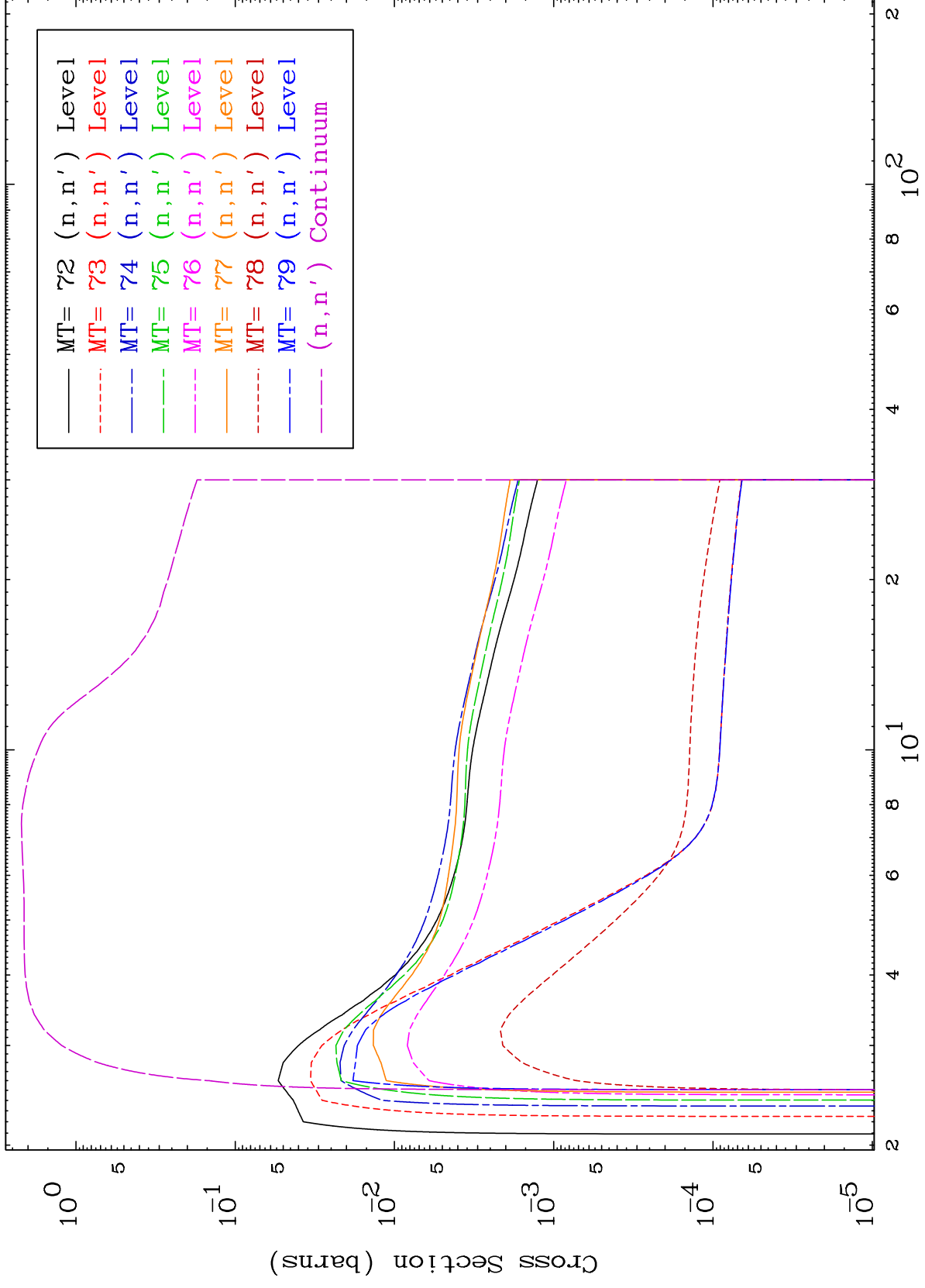
64-Gd-147

MAT 6410

(n,n') Level

293 Kelvin Cross Sections

64-Gd-147



9

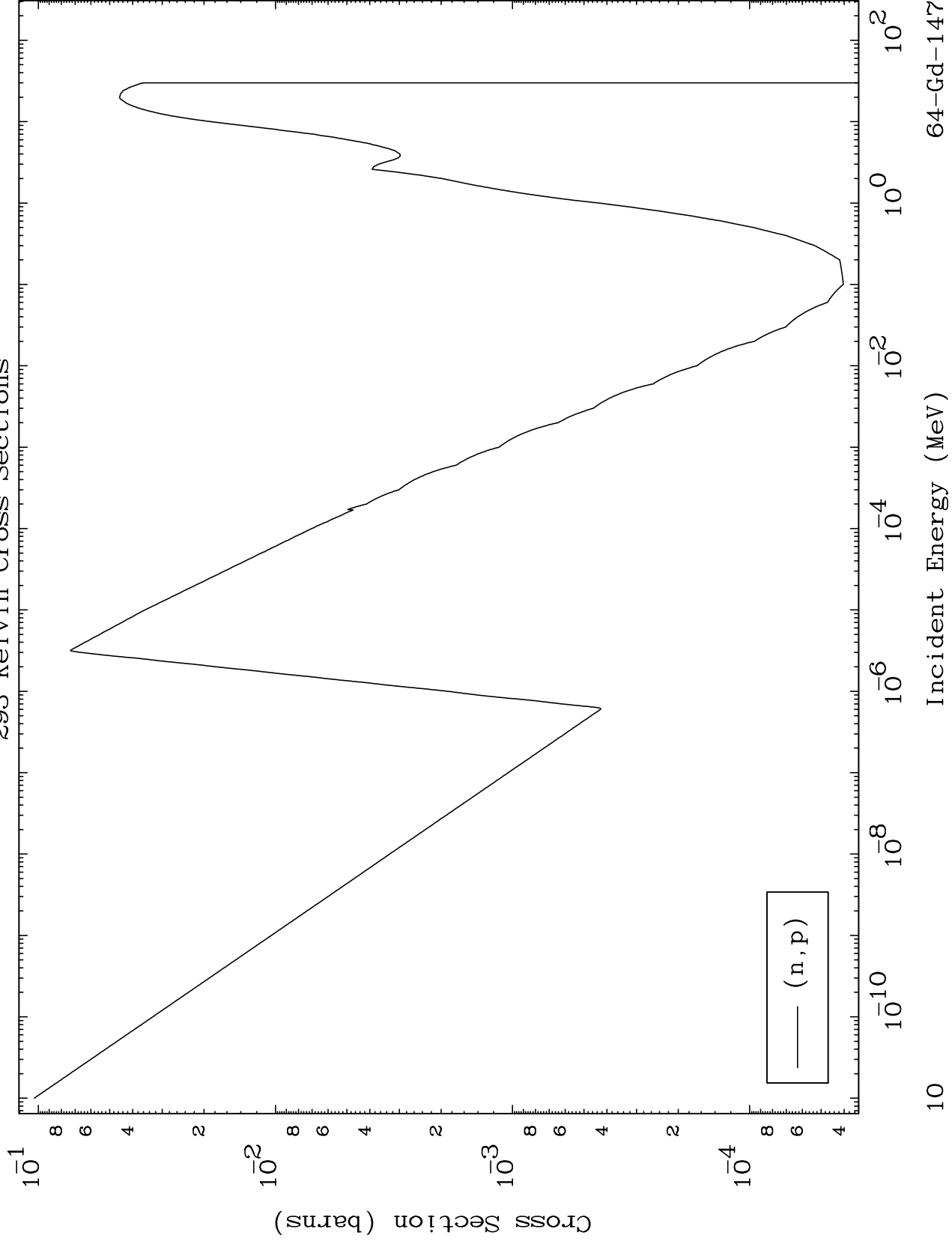
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,p) Levels
293 Kelvin Cross Sections

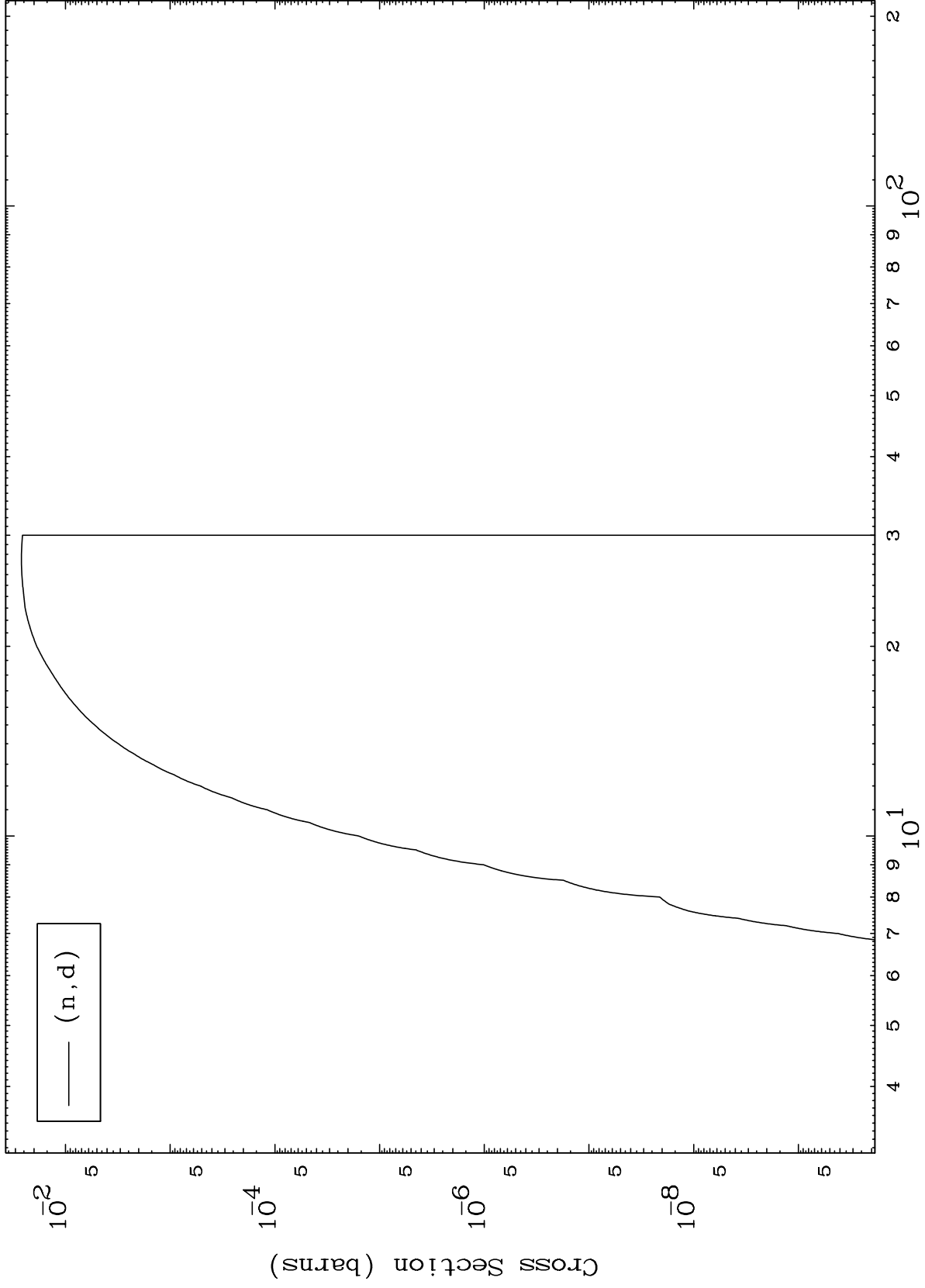
64-Gd-147



MAT 6410

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-147



11

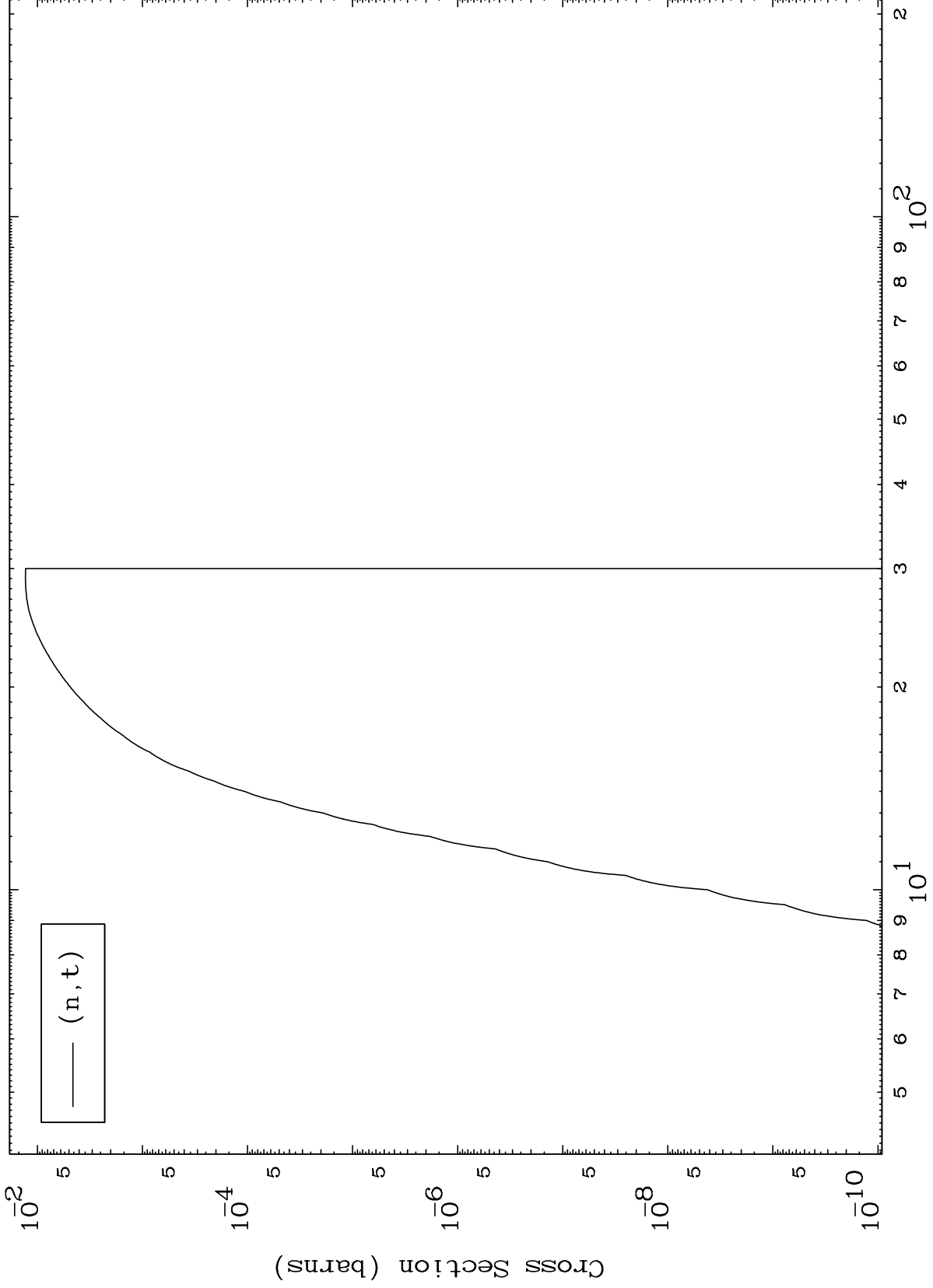
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-147



(n,t)

12

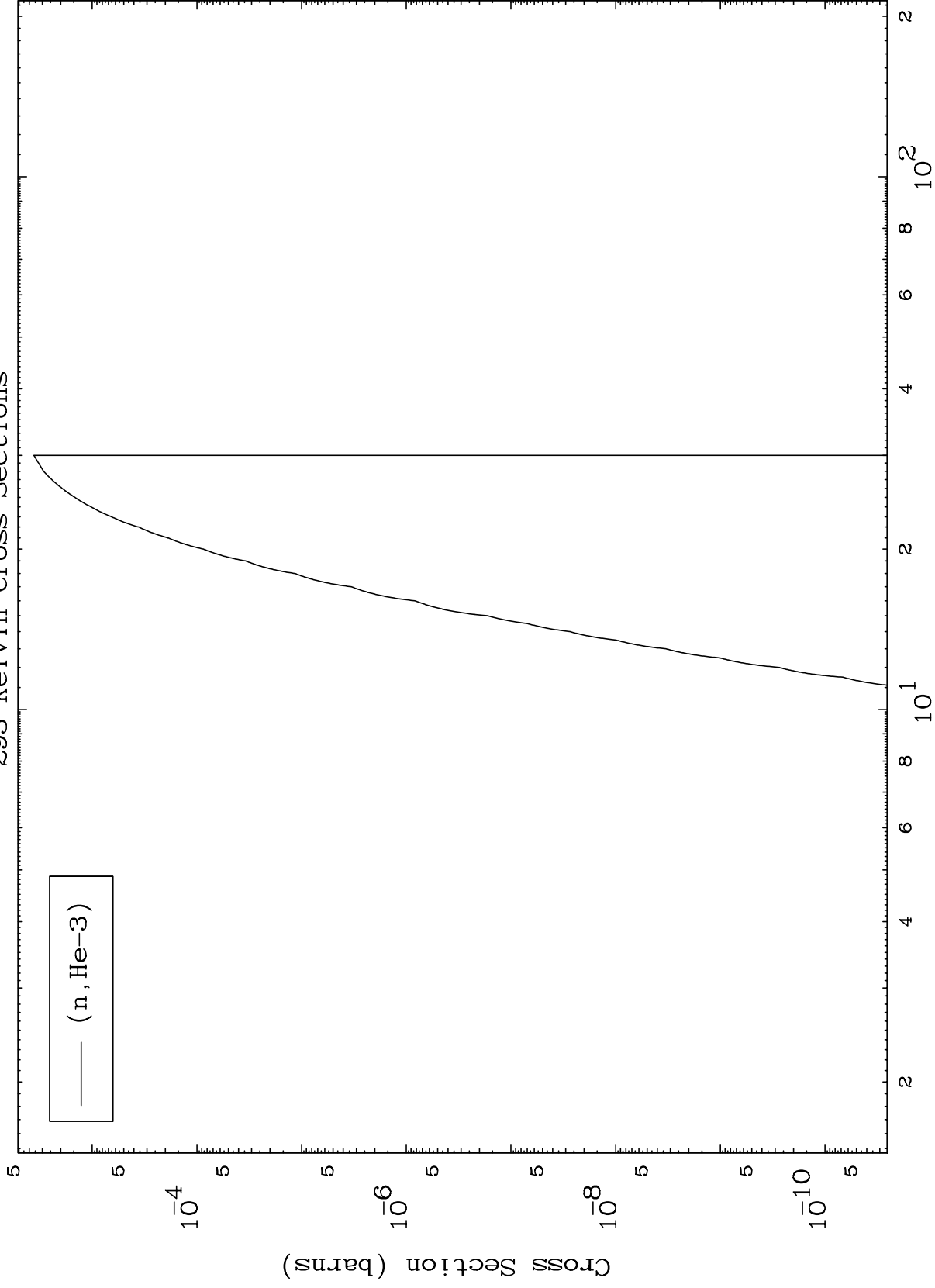
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-147



13

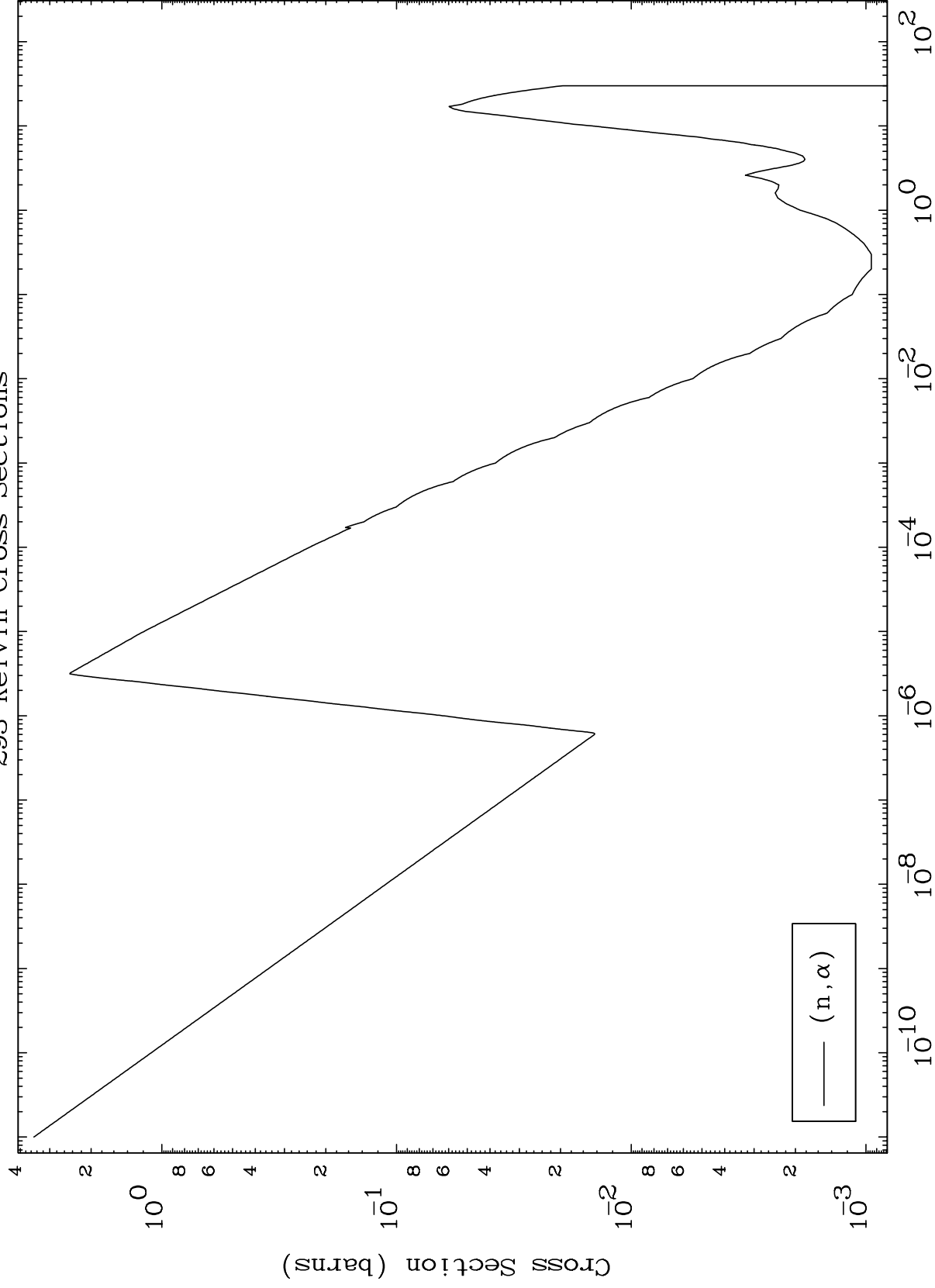
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n, α) Levels
293 Kelvin Cross Sections

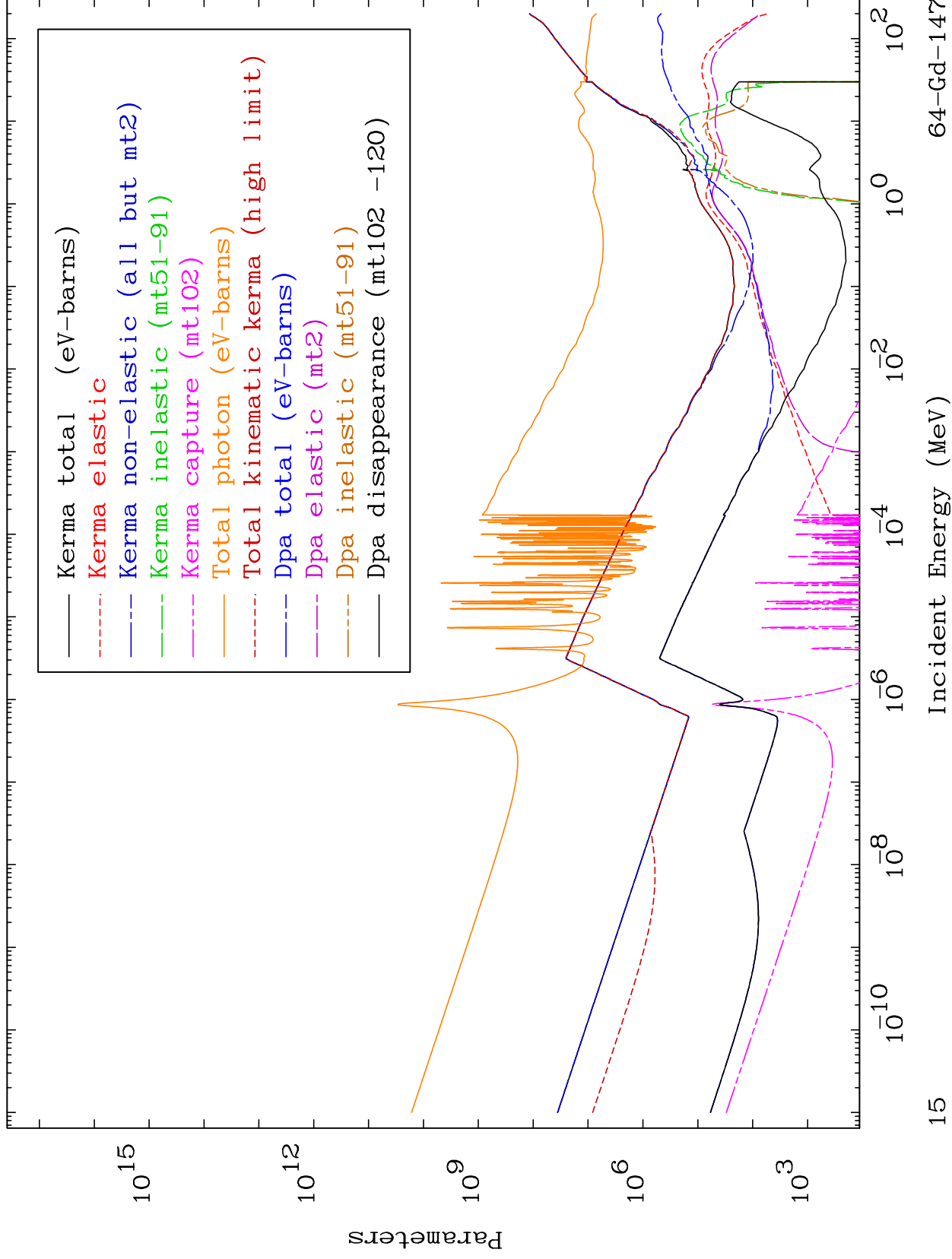
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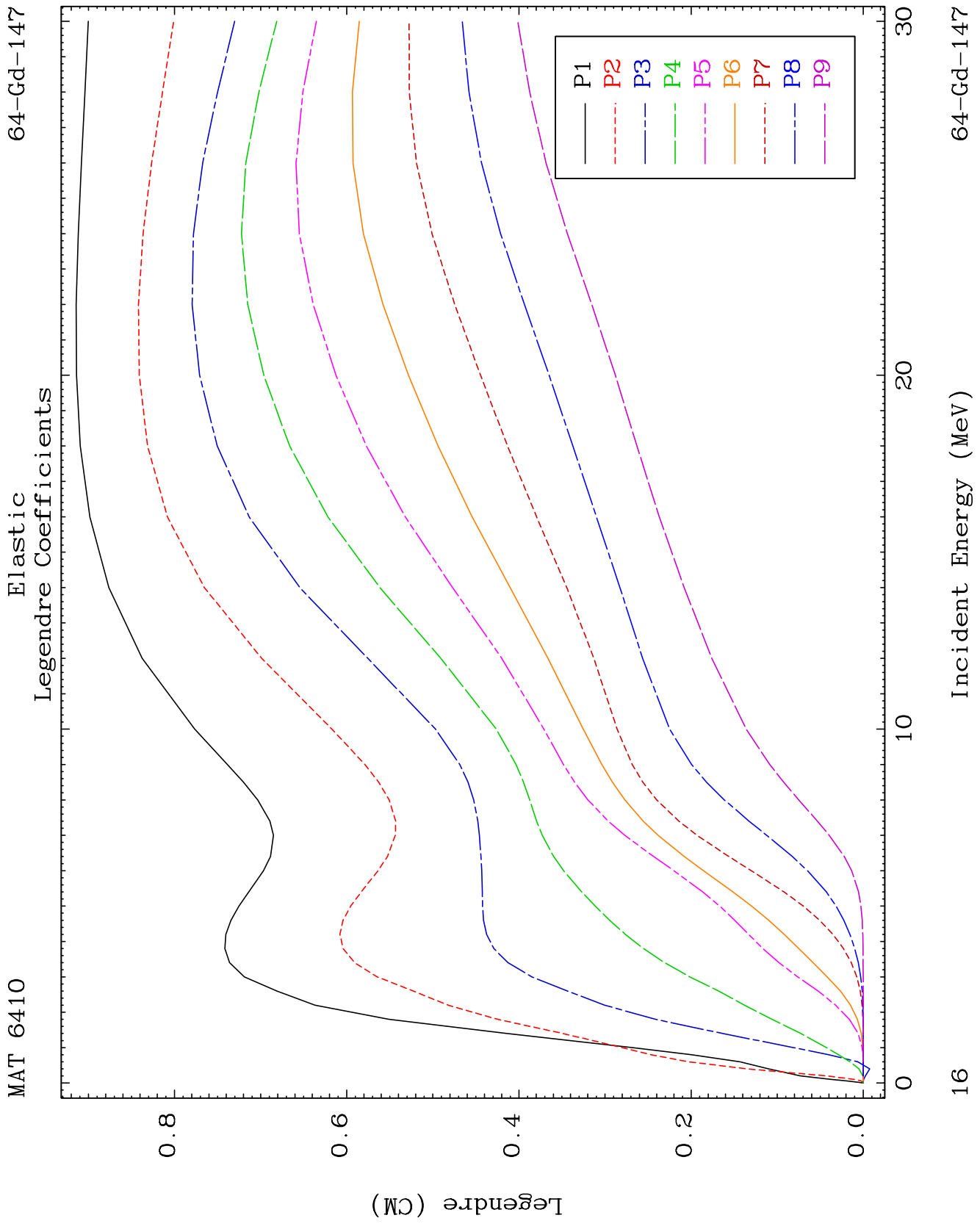


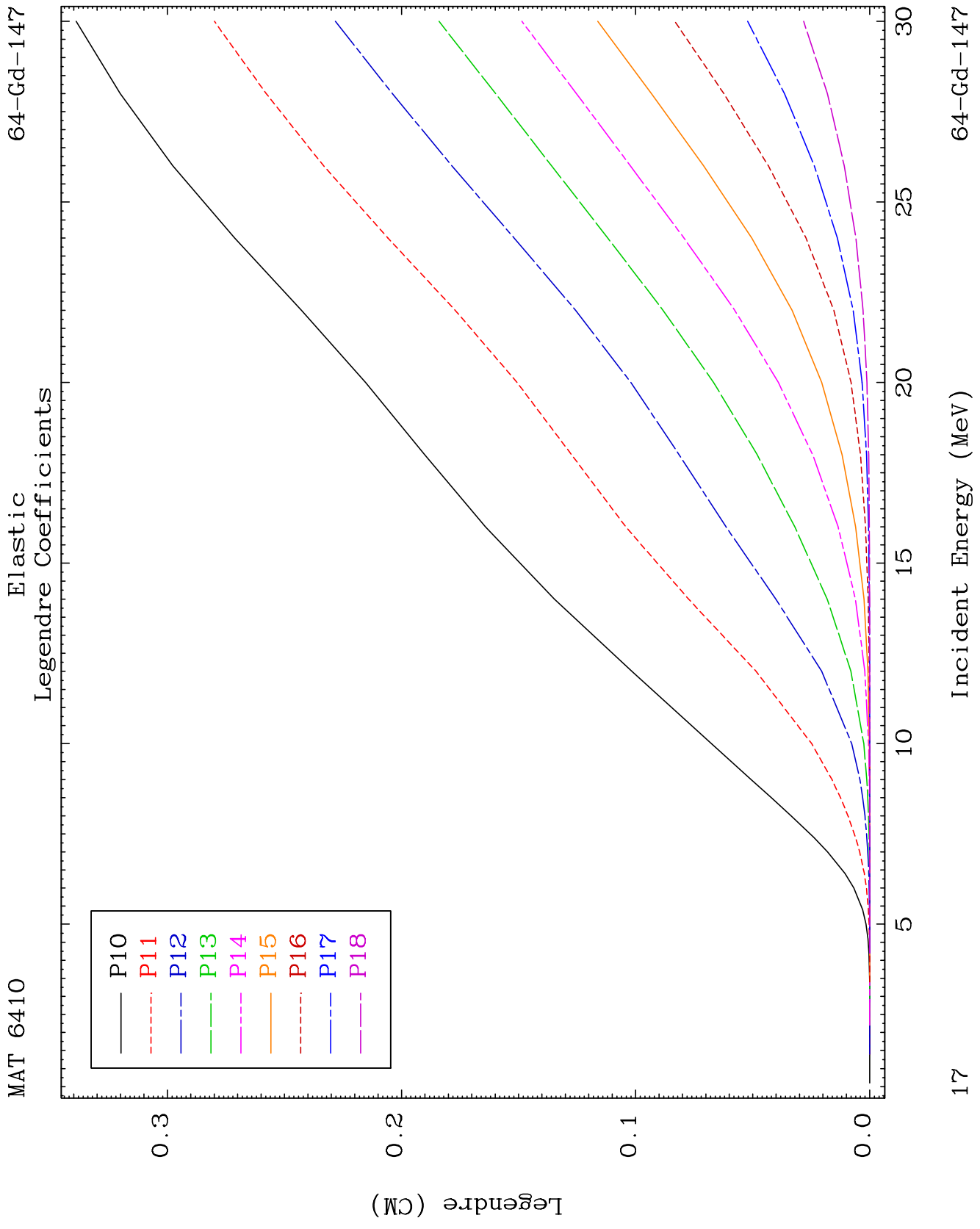
14

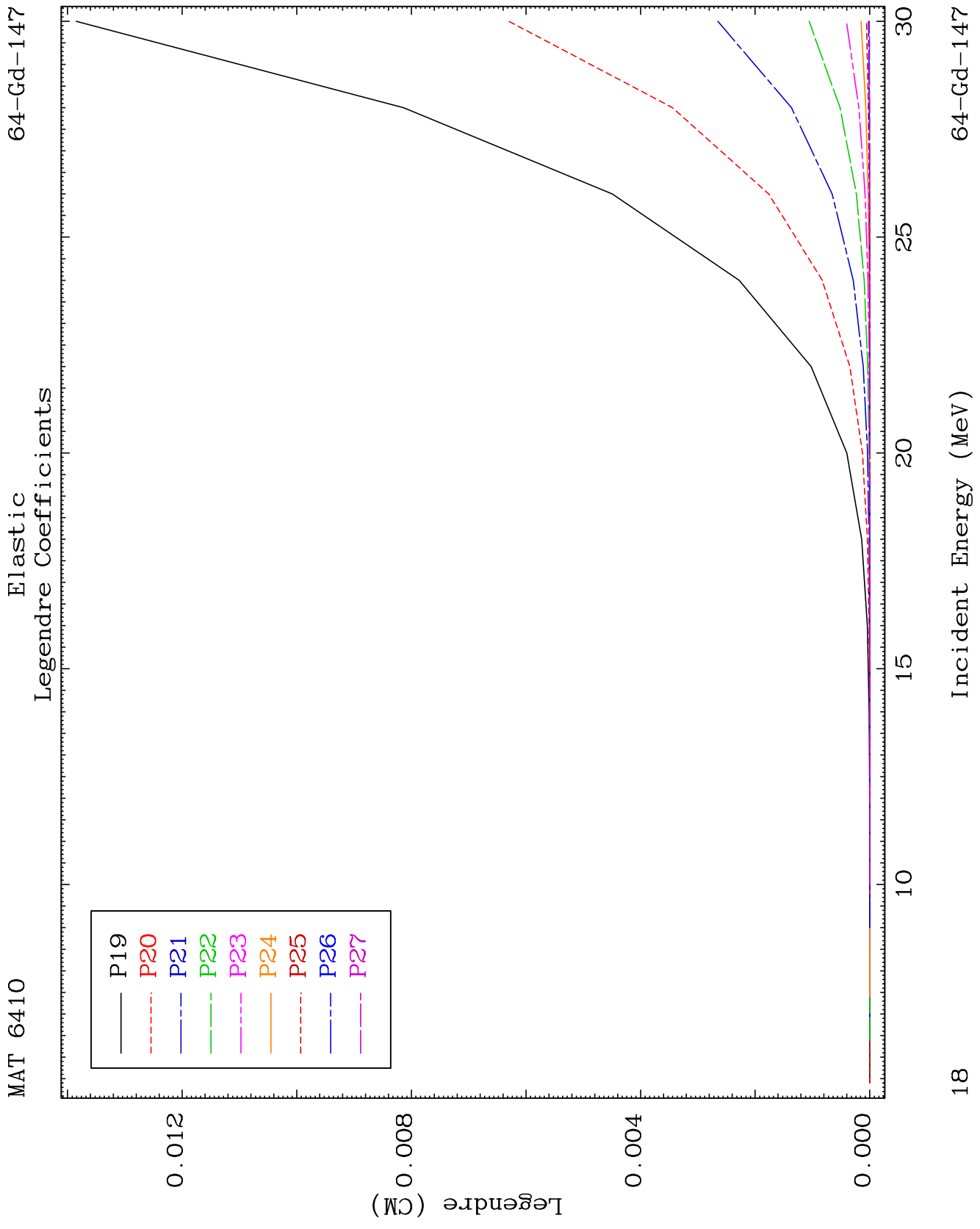
Incident Energy (MeV)

64-Gd-147





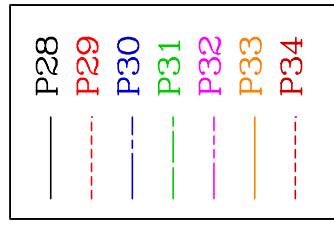




MAT 6410

Elastic
Legendre Coefficients

64-Gd-147



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

15

20

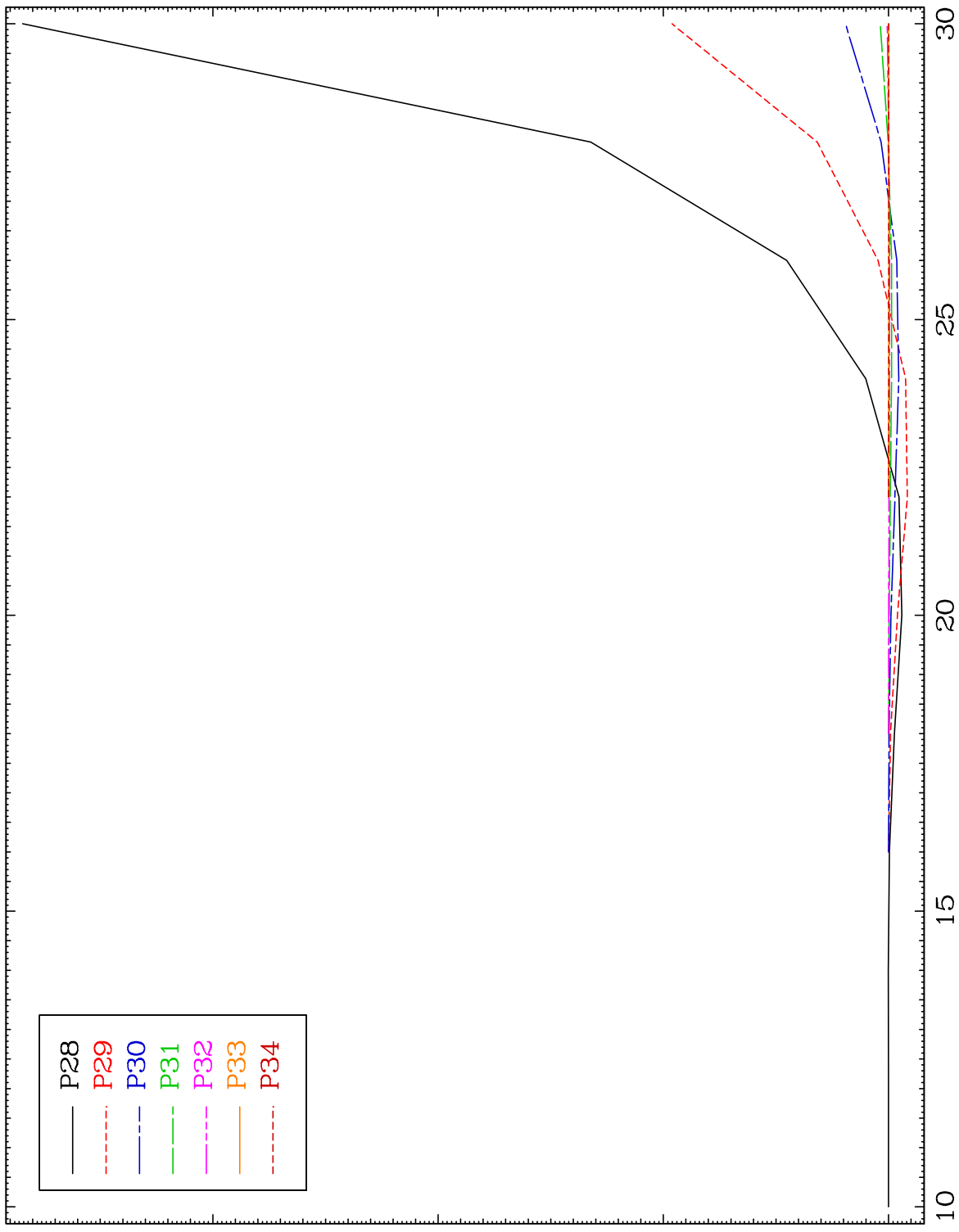
25

30

19

Incident Energy (MeV)

64-Gd-147

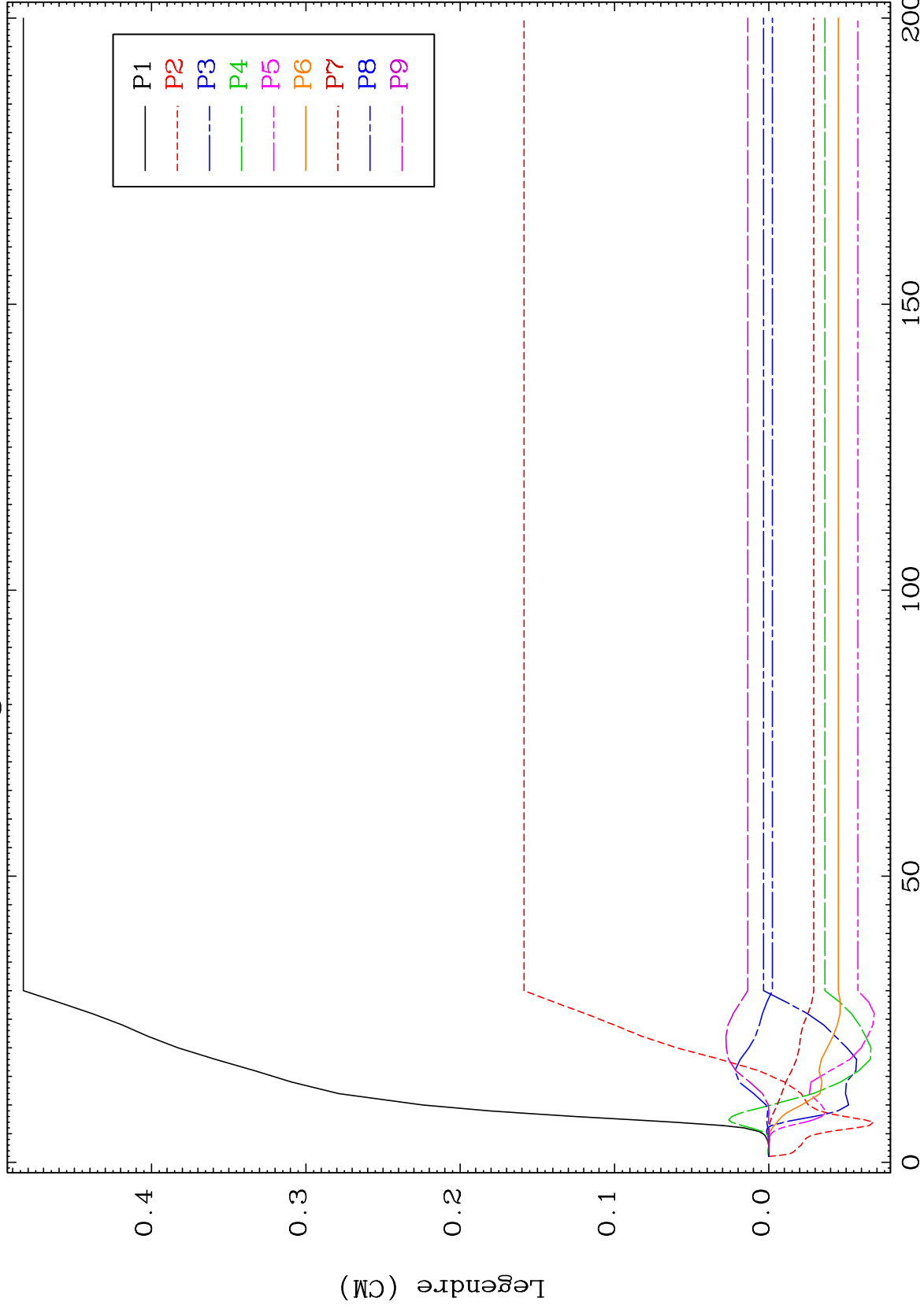


MAT 6410

MT= 51 (n,n') Level

64-Gd-147

Legendre Coefficients



20

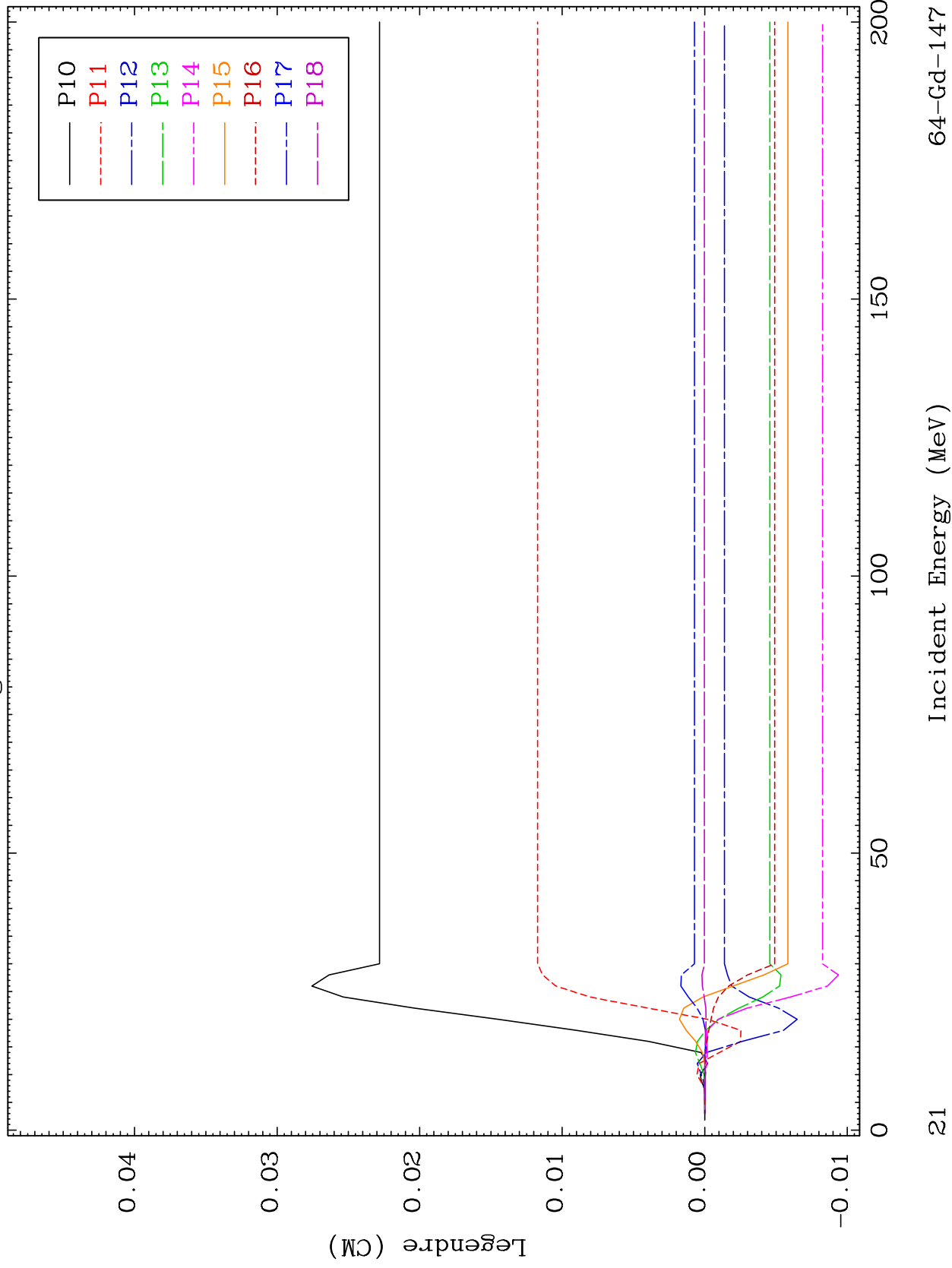
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

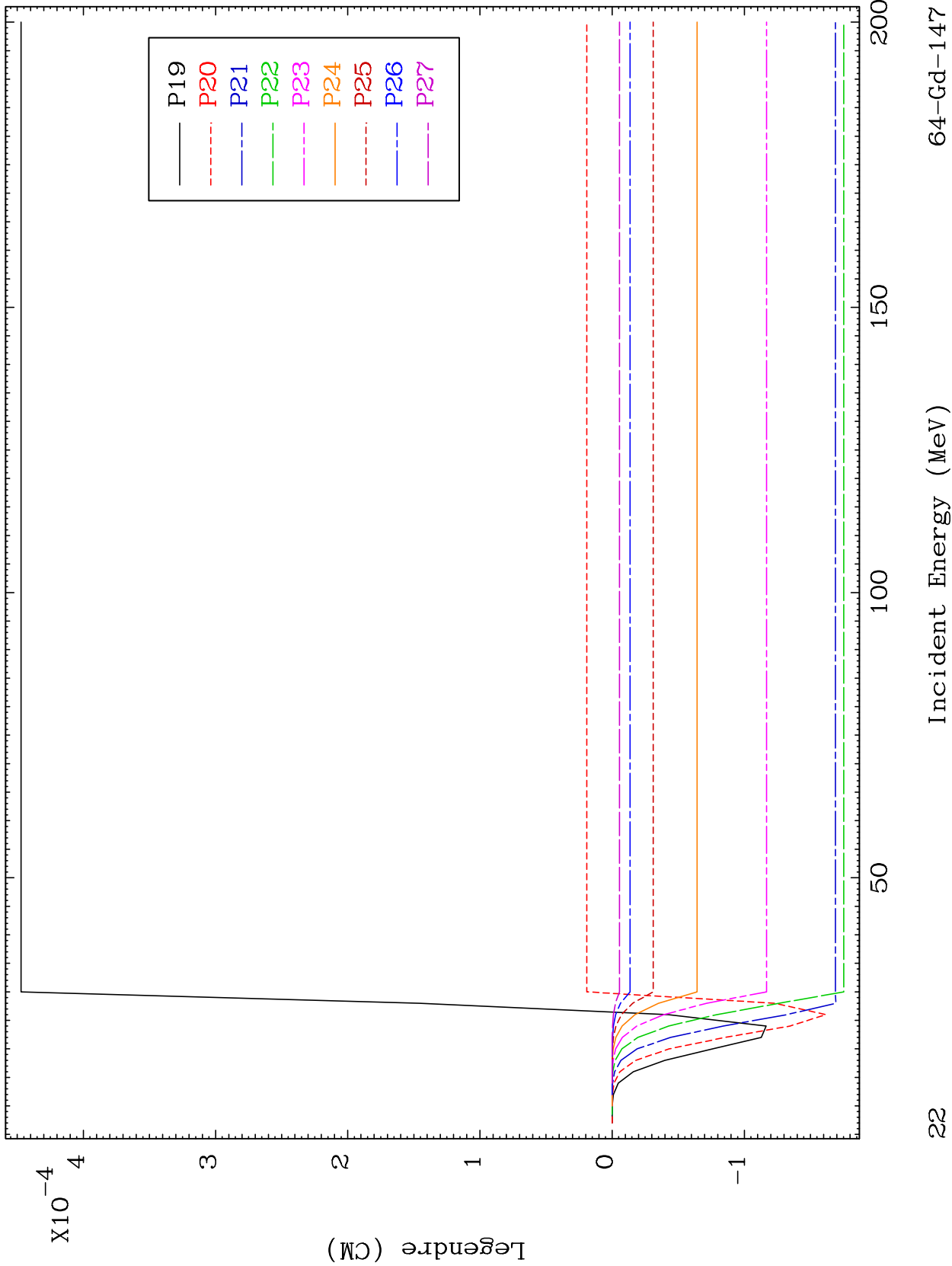
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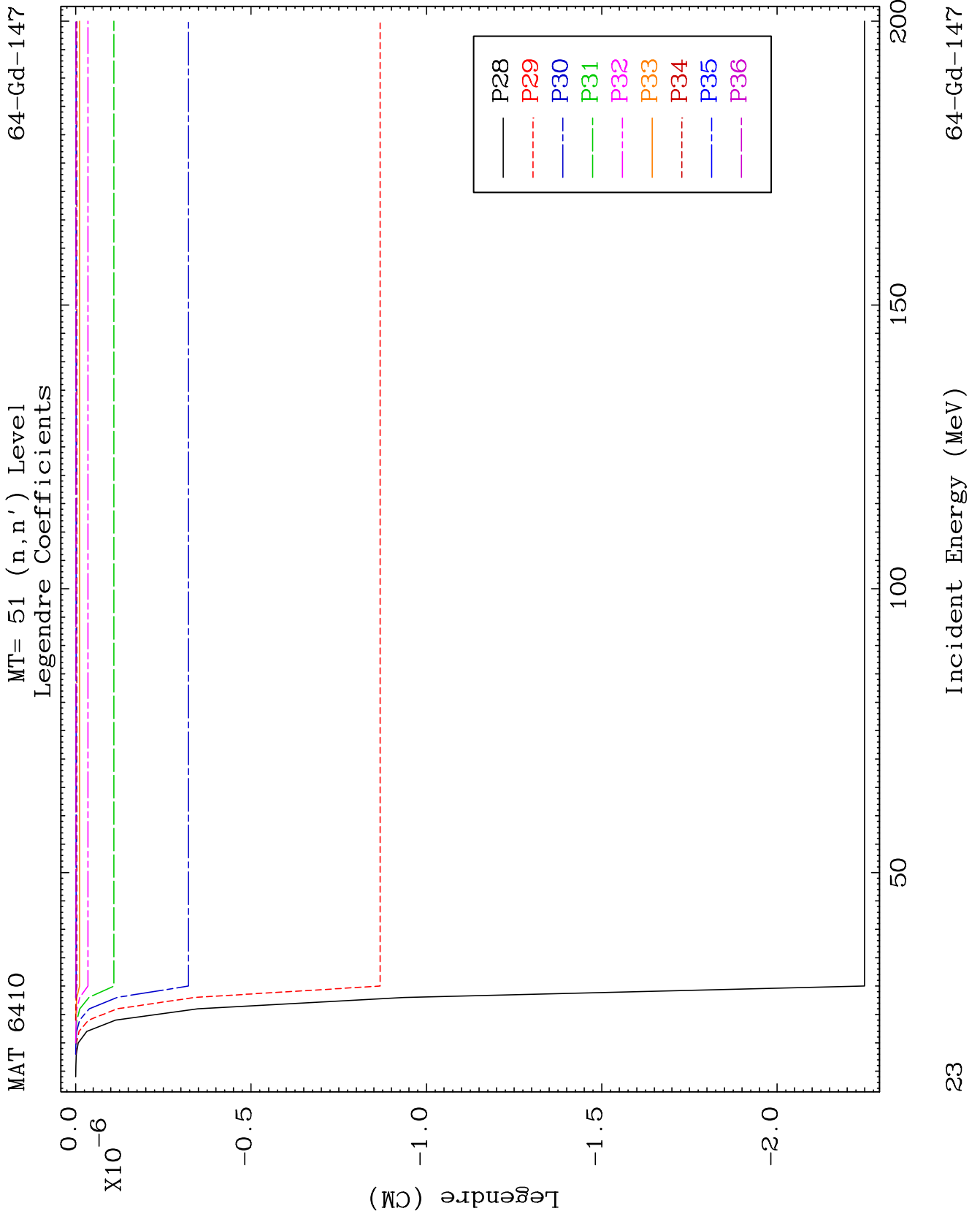


21

Incident Energy (MeV)

64-Gd-147

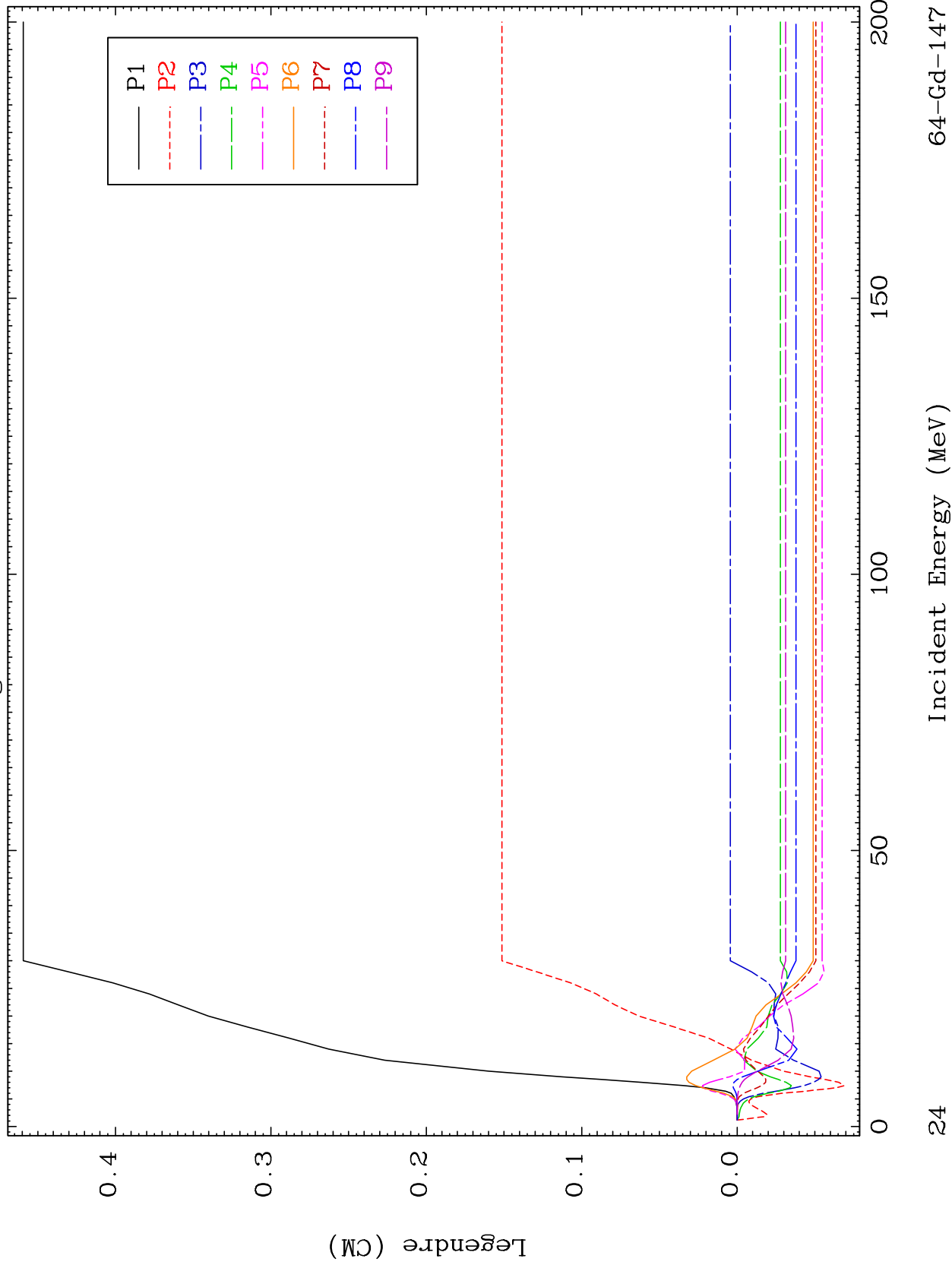




MAT 6410

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

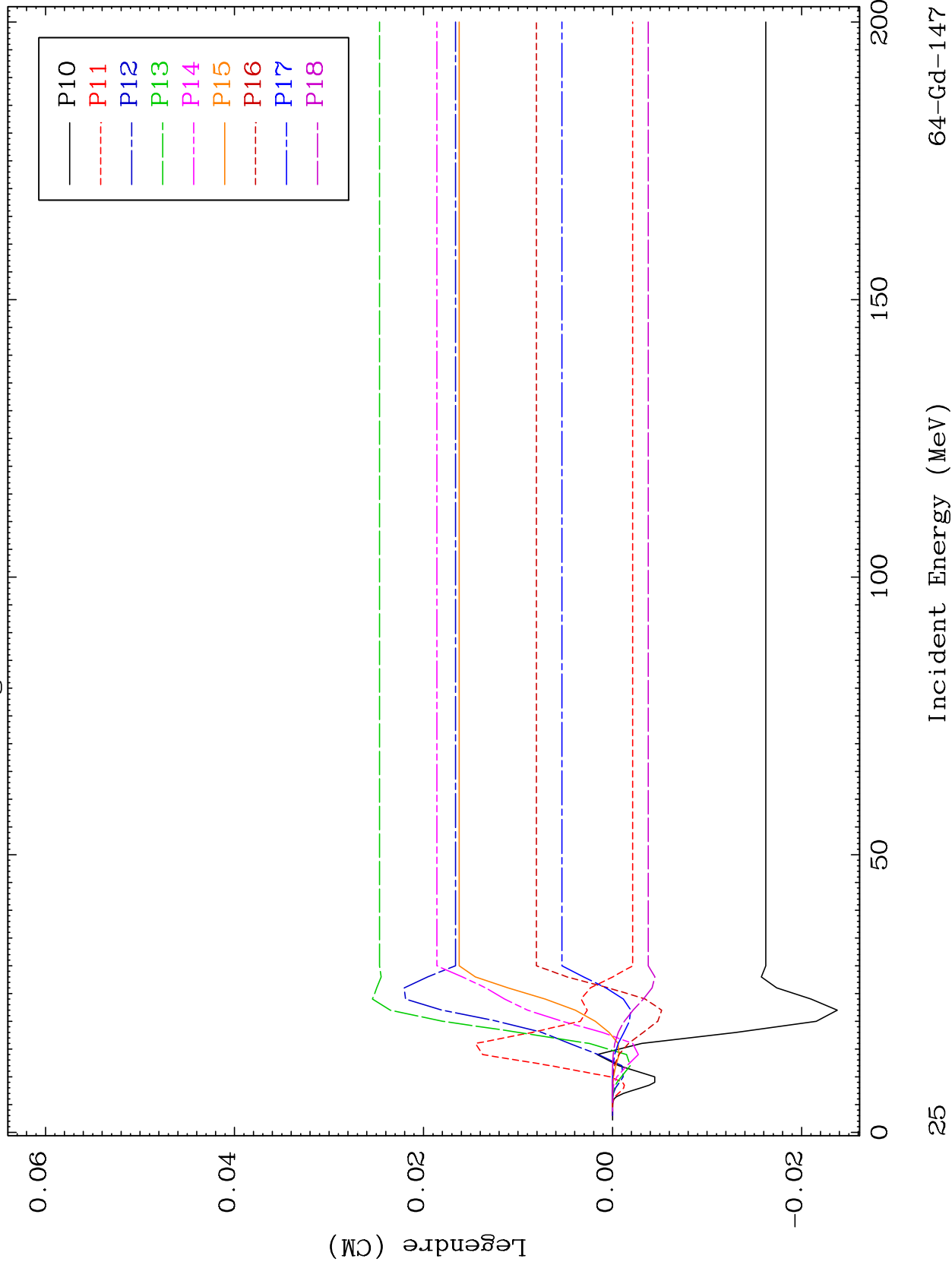
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MAT 6410

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

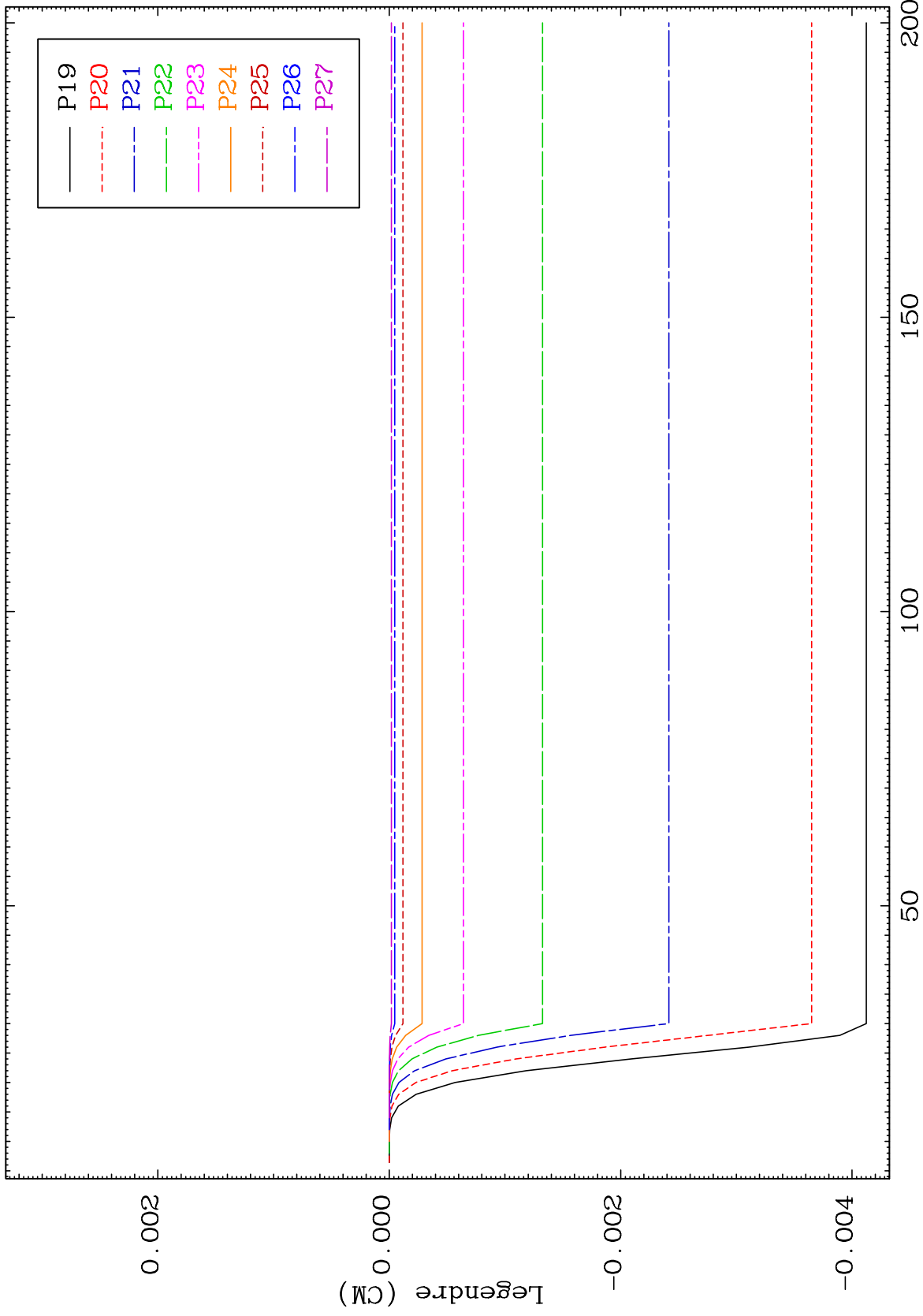
64-Gd-147



64-Gd-147

Incident Energy (MeV)

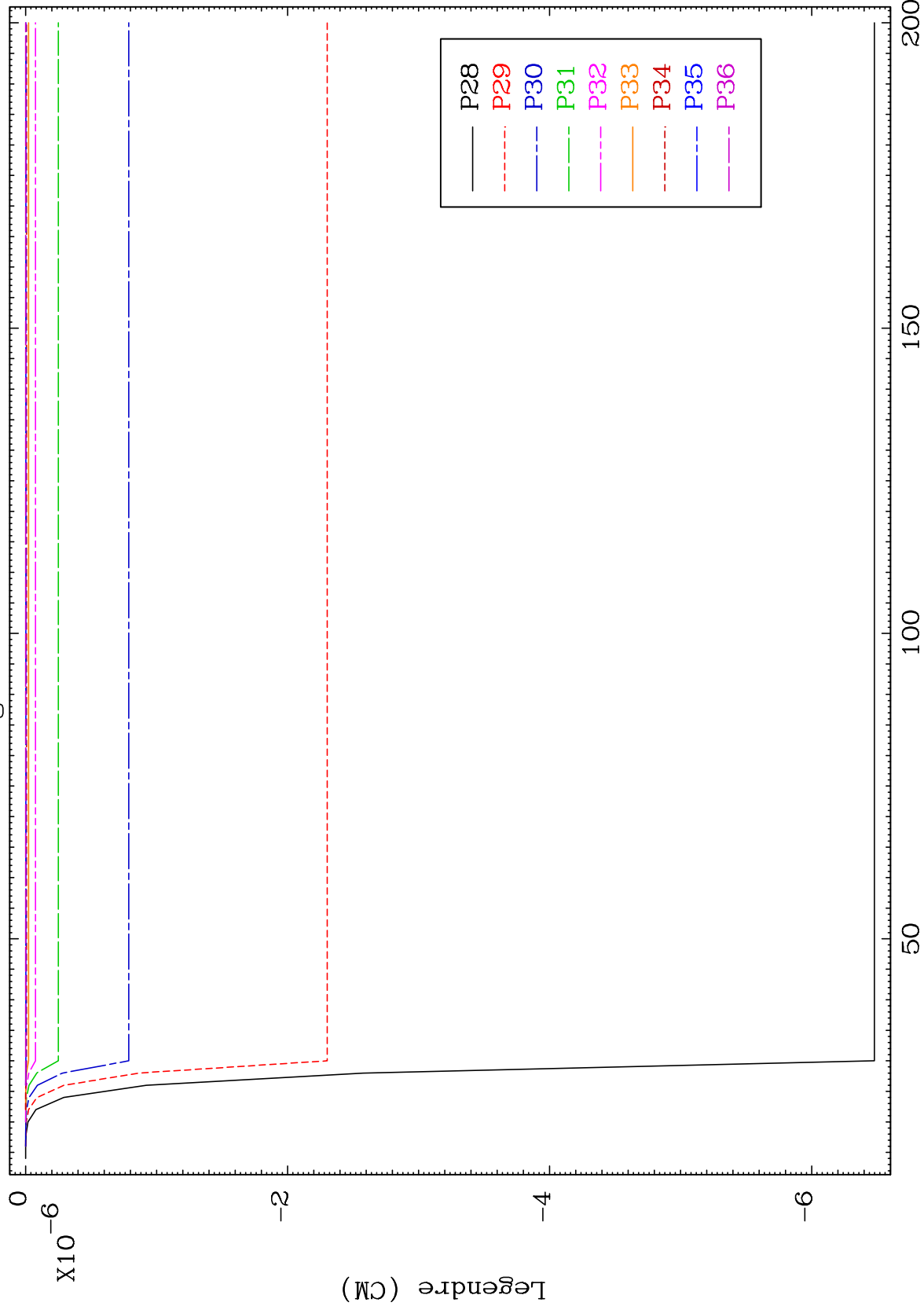
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MAT 6410

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

64-Gd-147



27

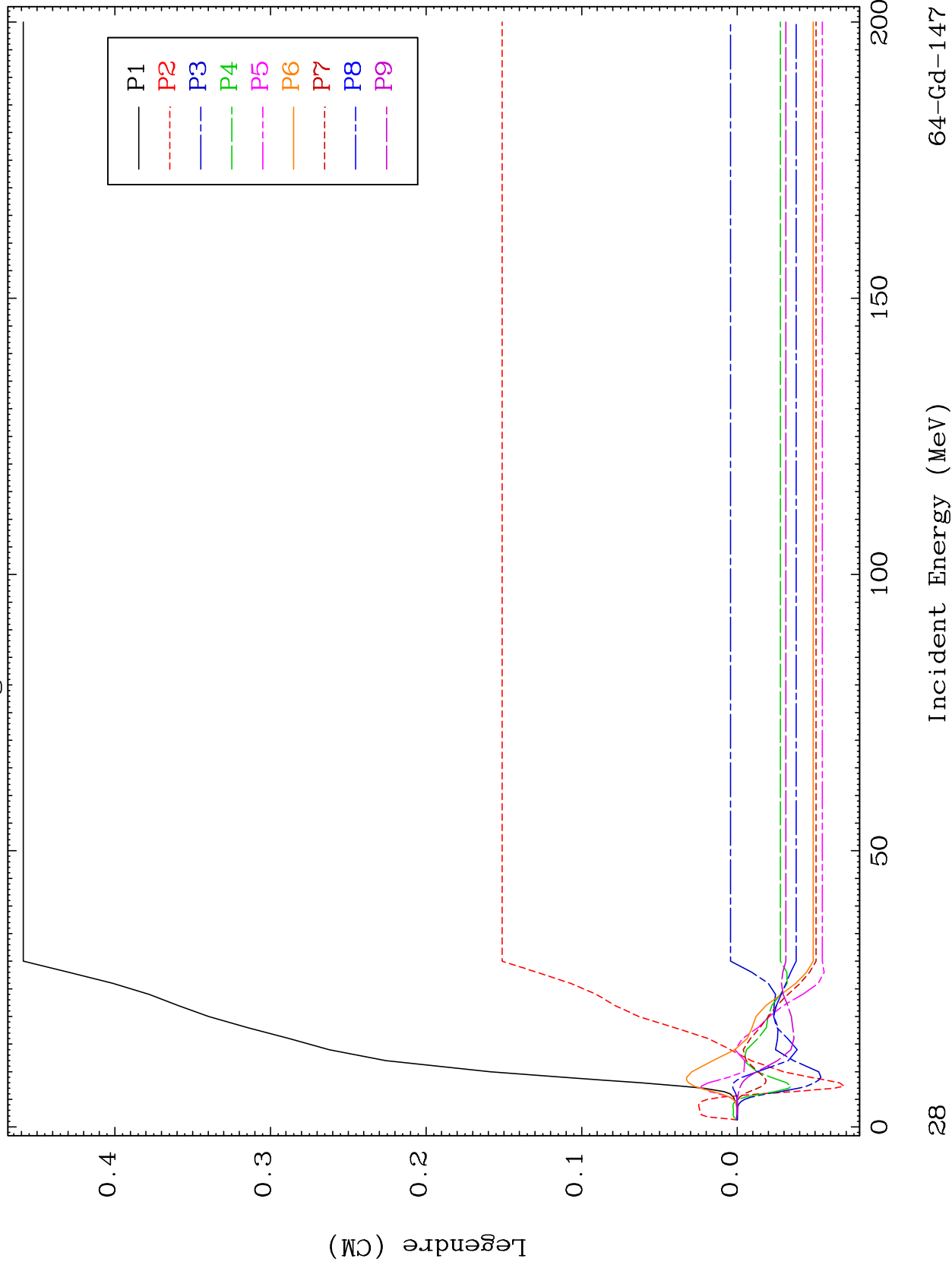
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

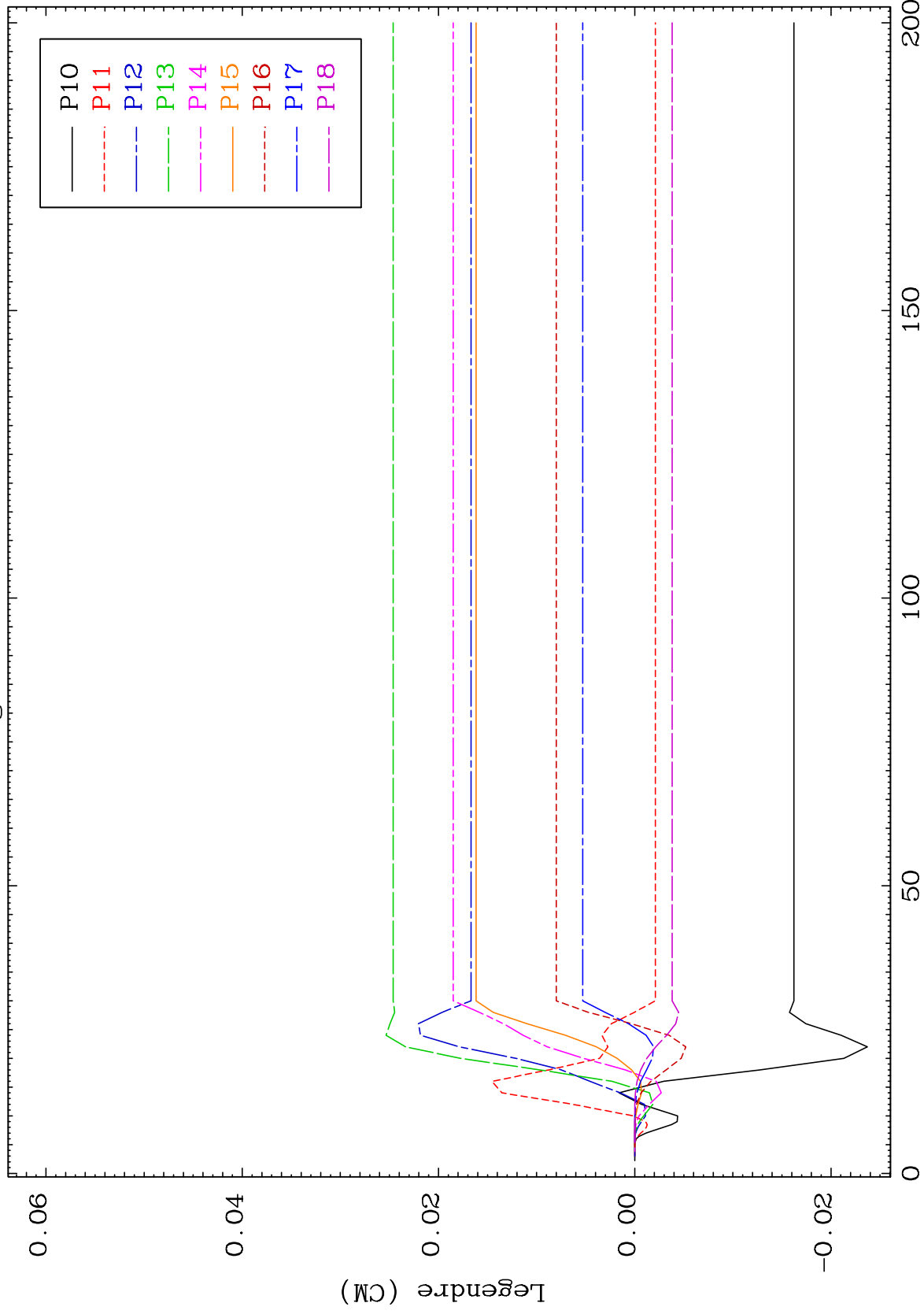
Incident Energy (MeV)

28

MAT 6410

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

64-Gd-147



29

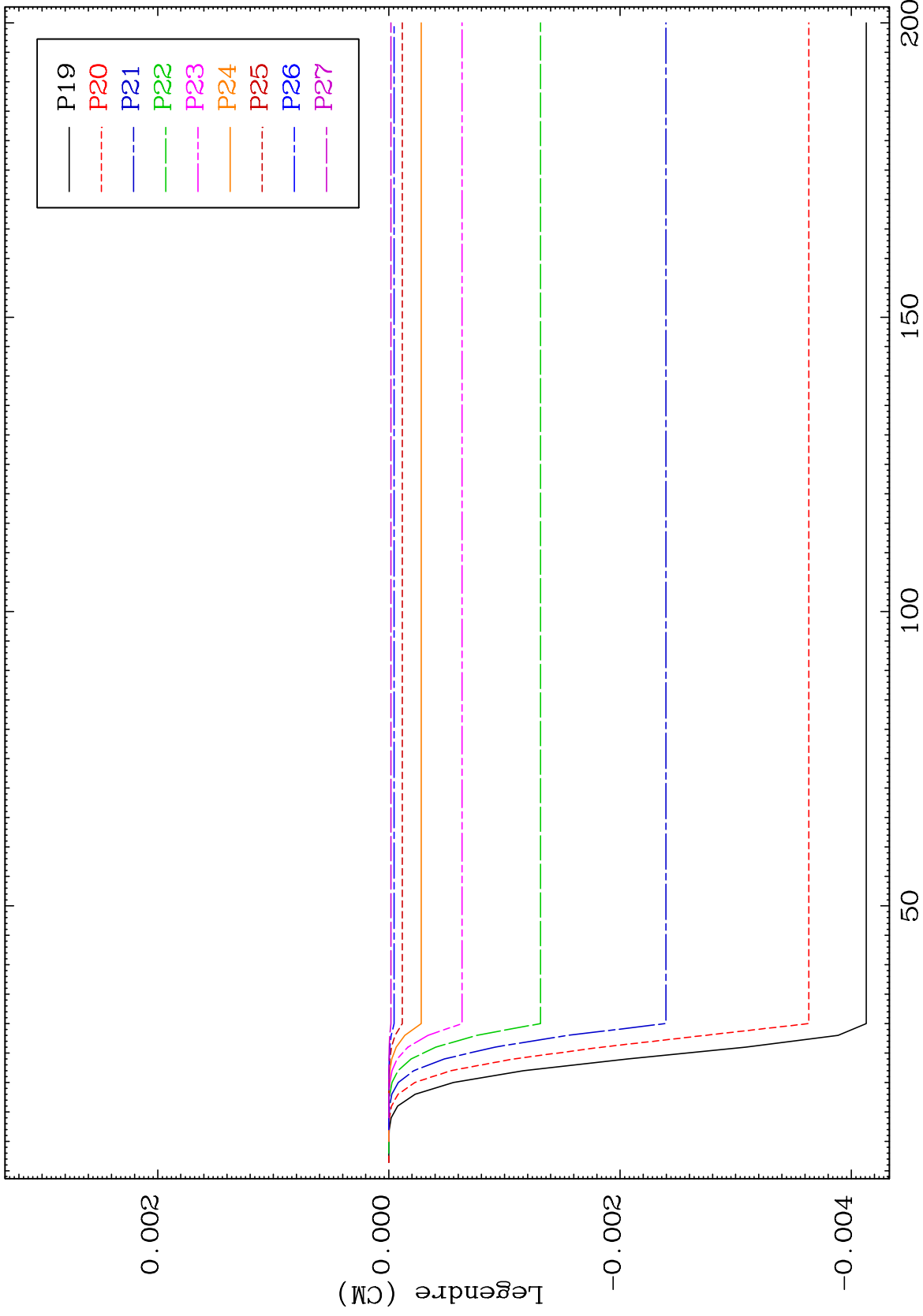
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



30

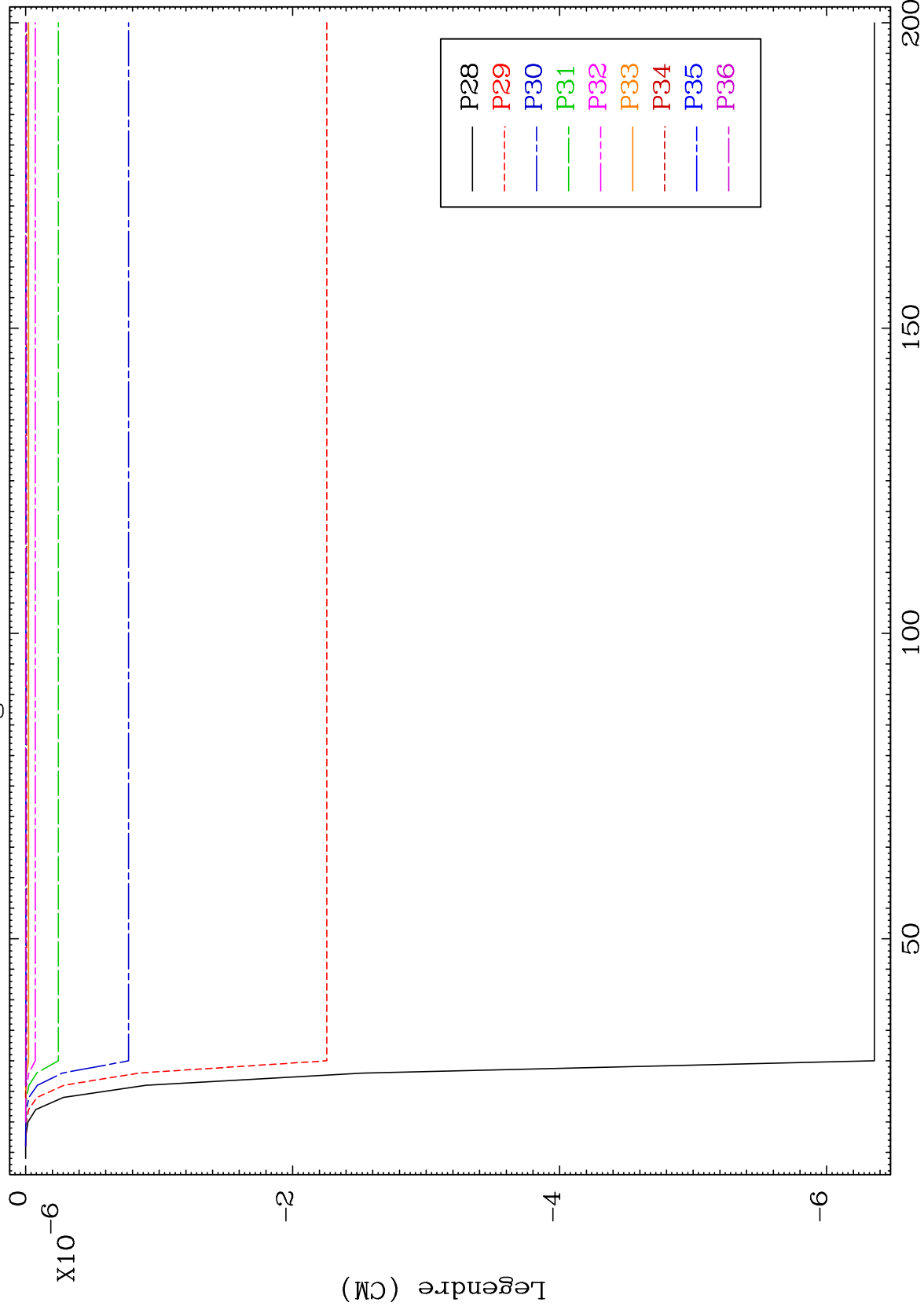
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

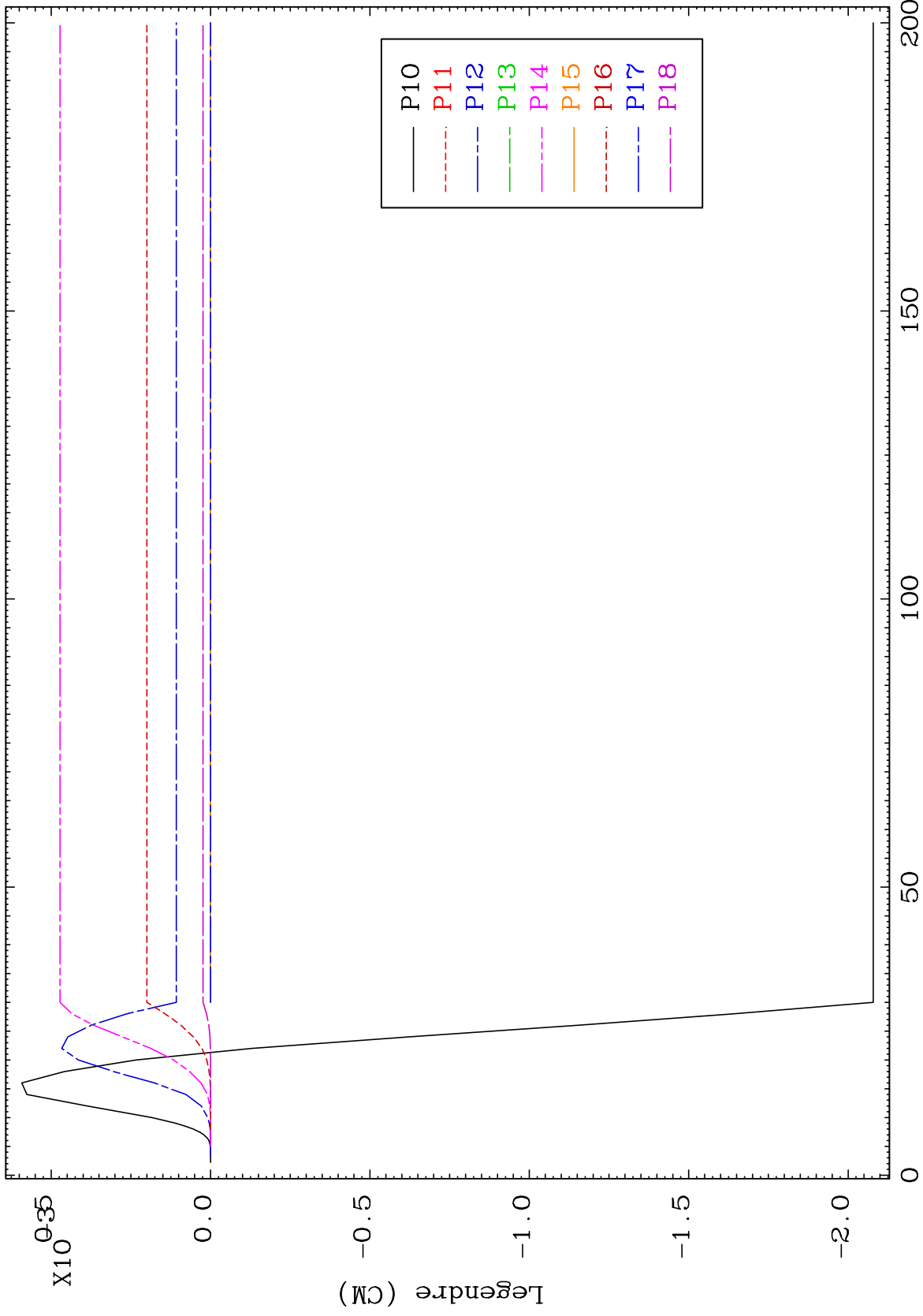
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31

Incident Energy (MeV)

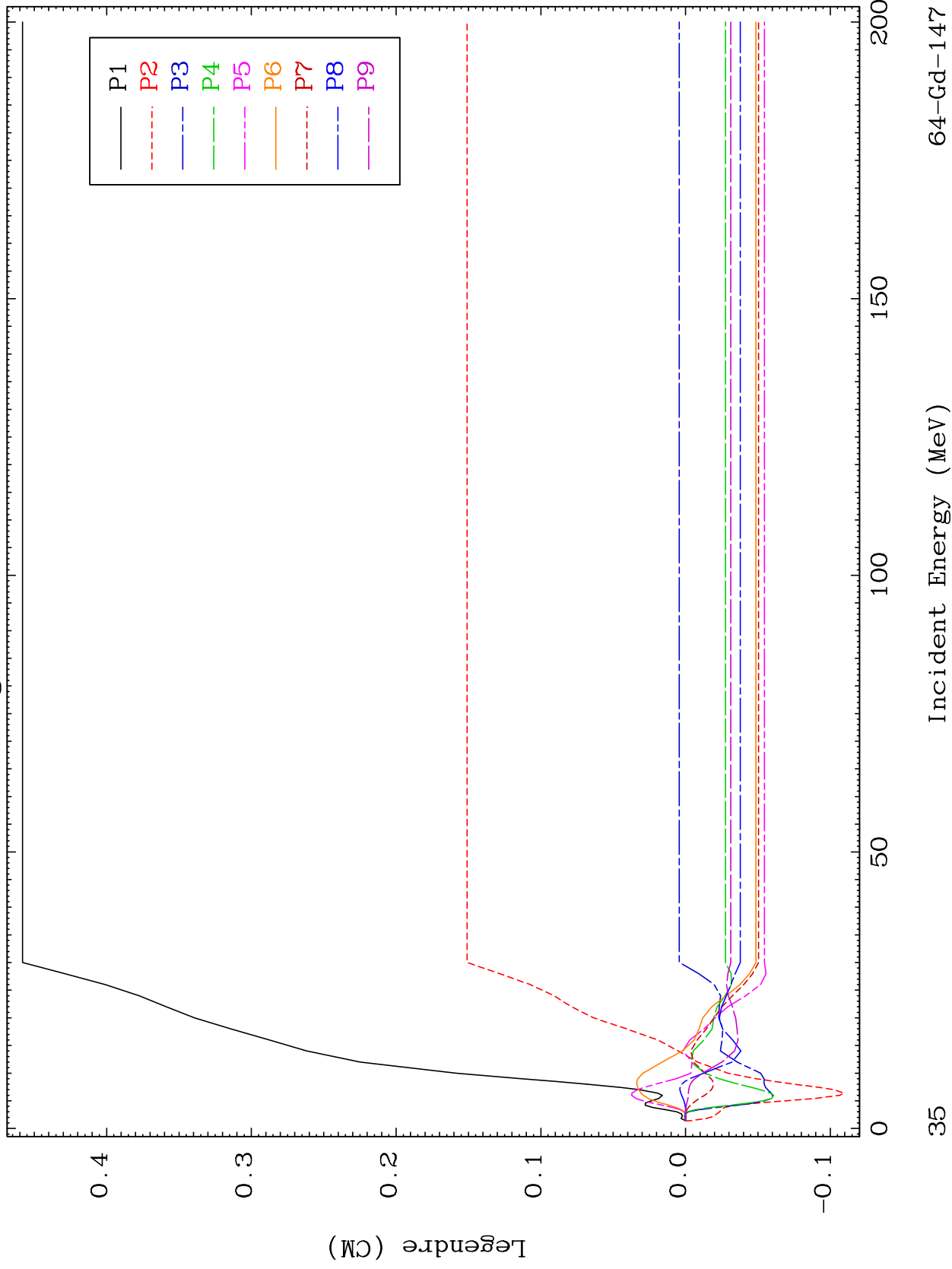
64-Gd-147



MAT 6410

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

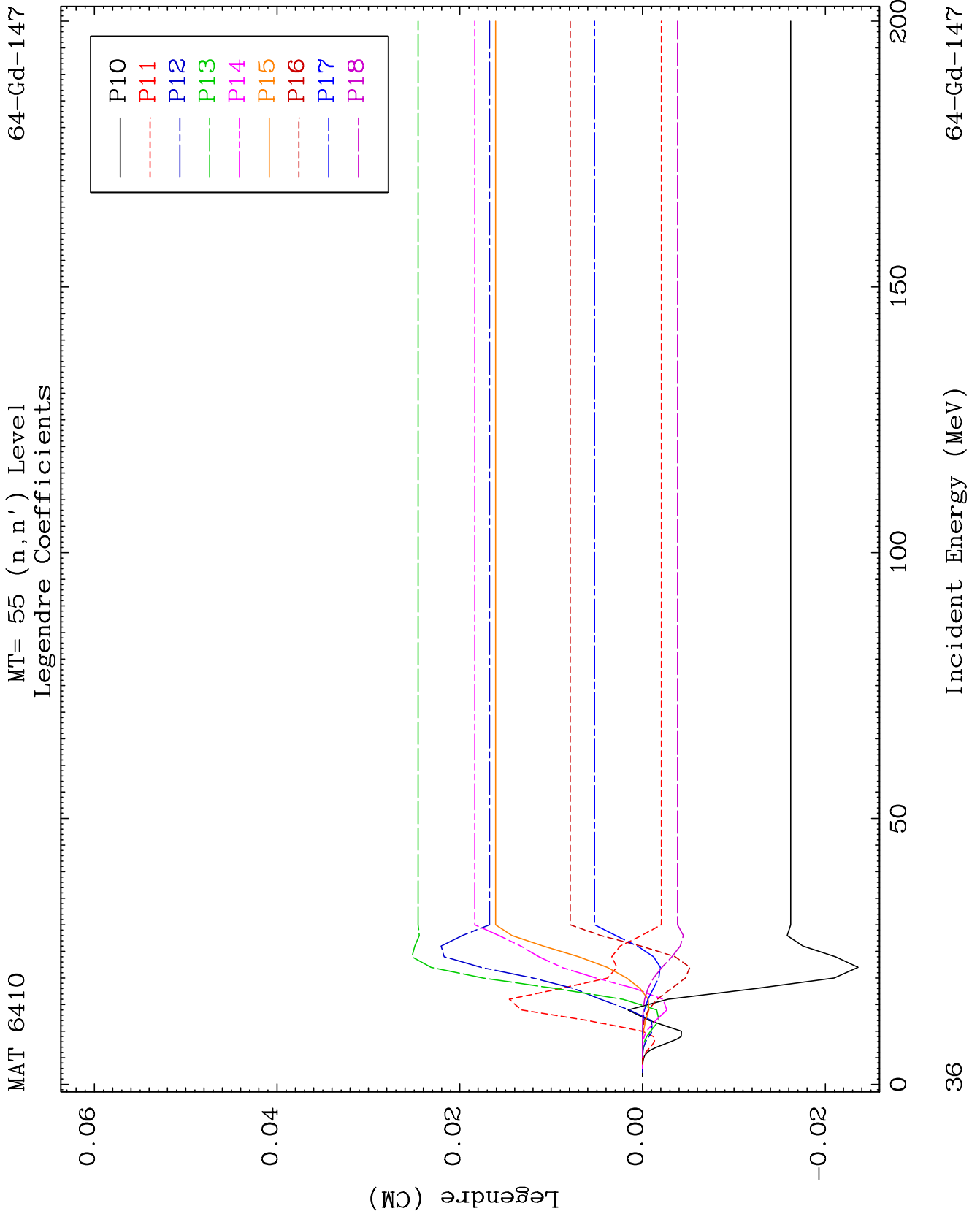
64-Gd-147



64-Gd-147

Incident Energy (MeV)

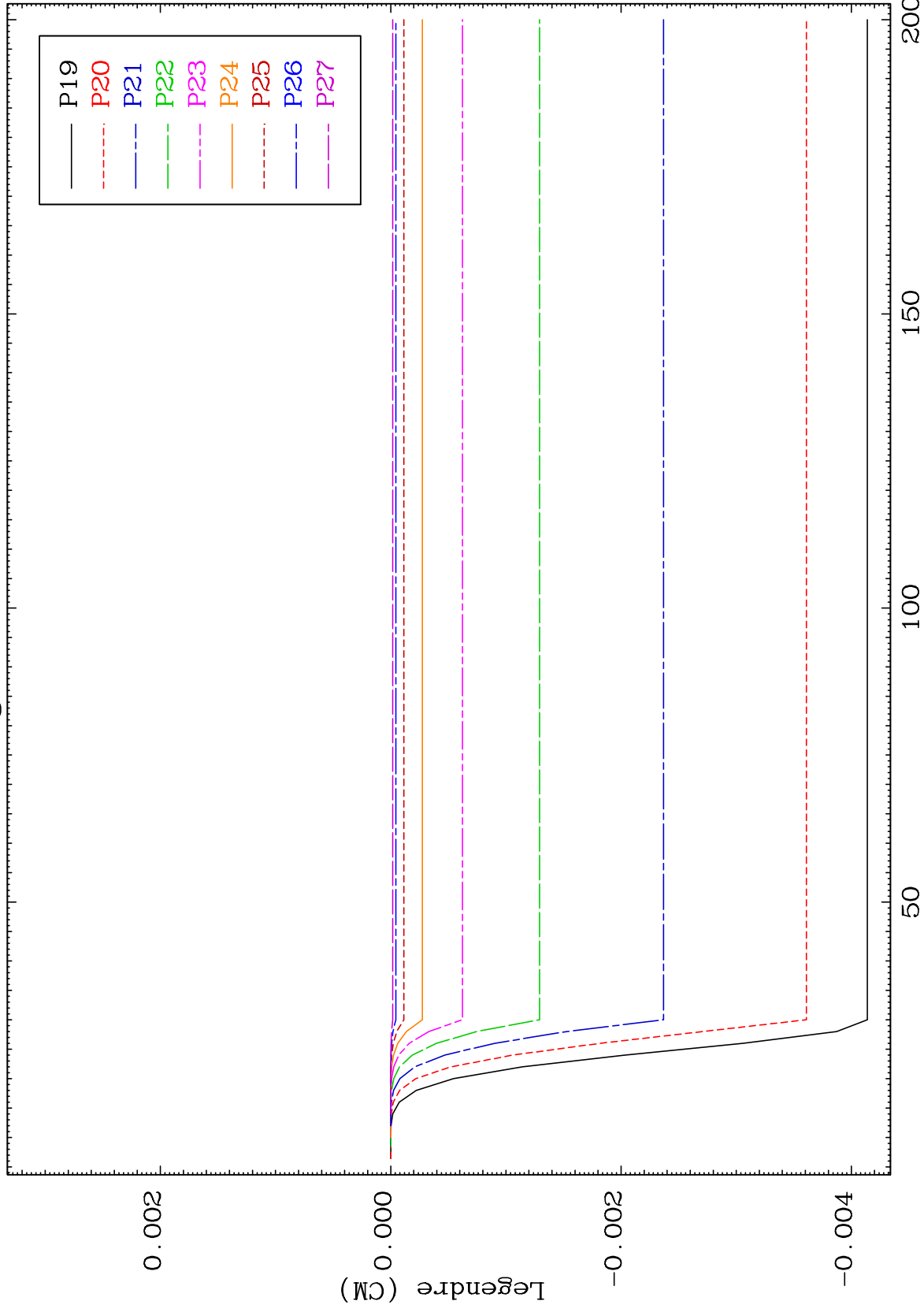
35



MAT 6410

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

64-Gd-147



37

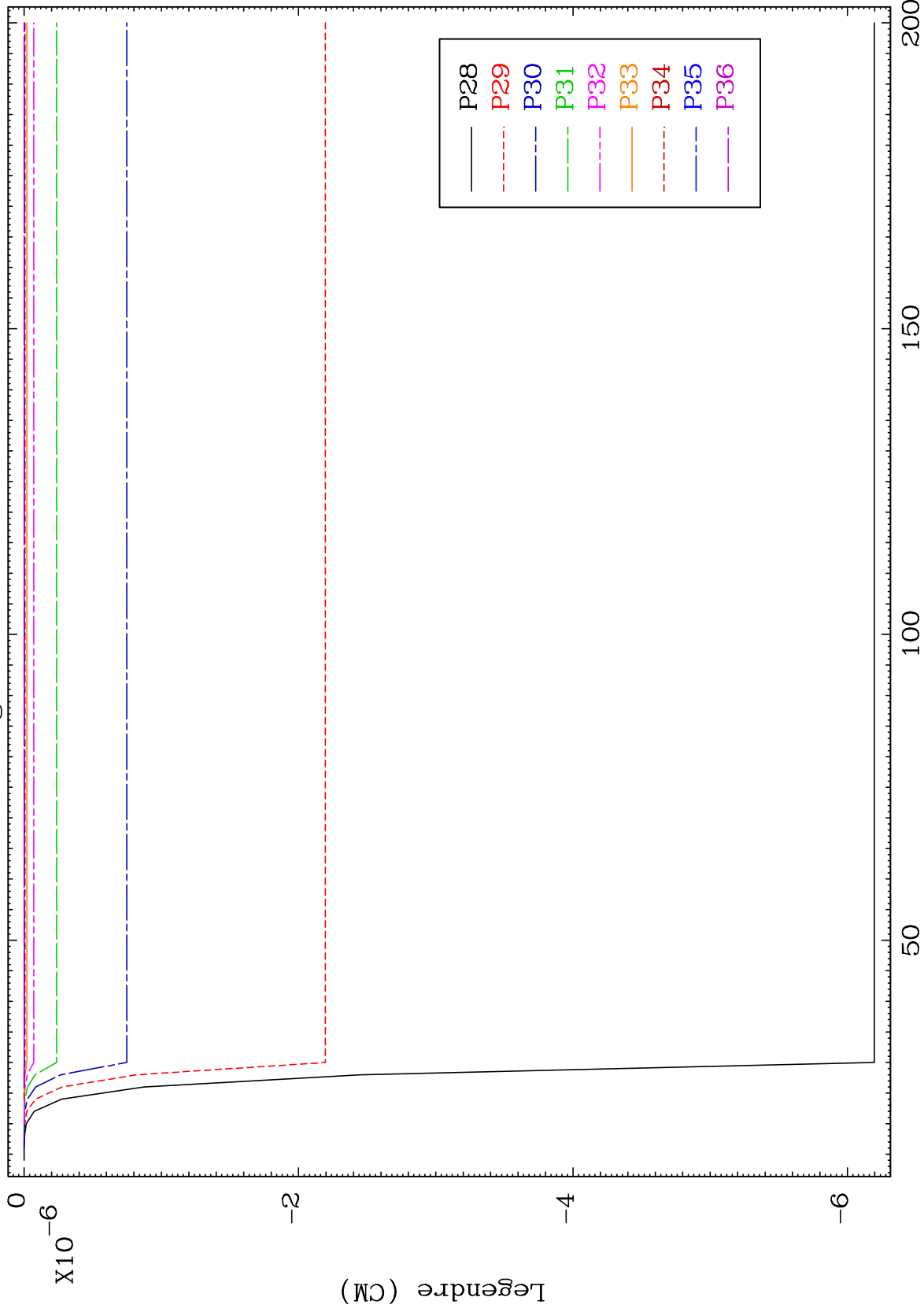
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



38

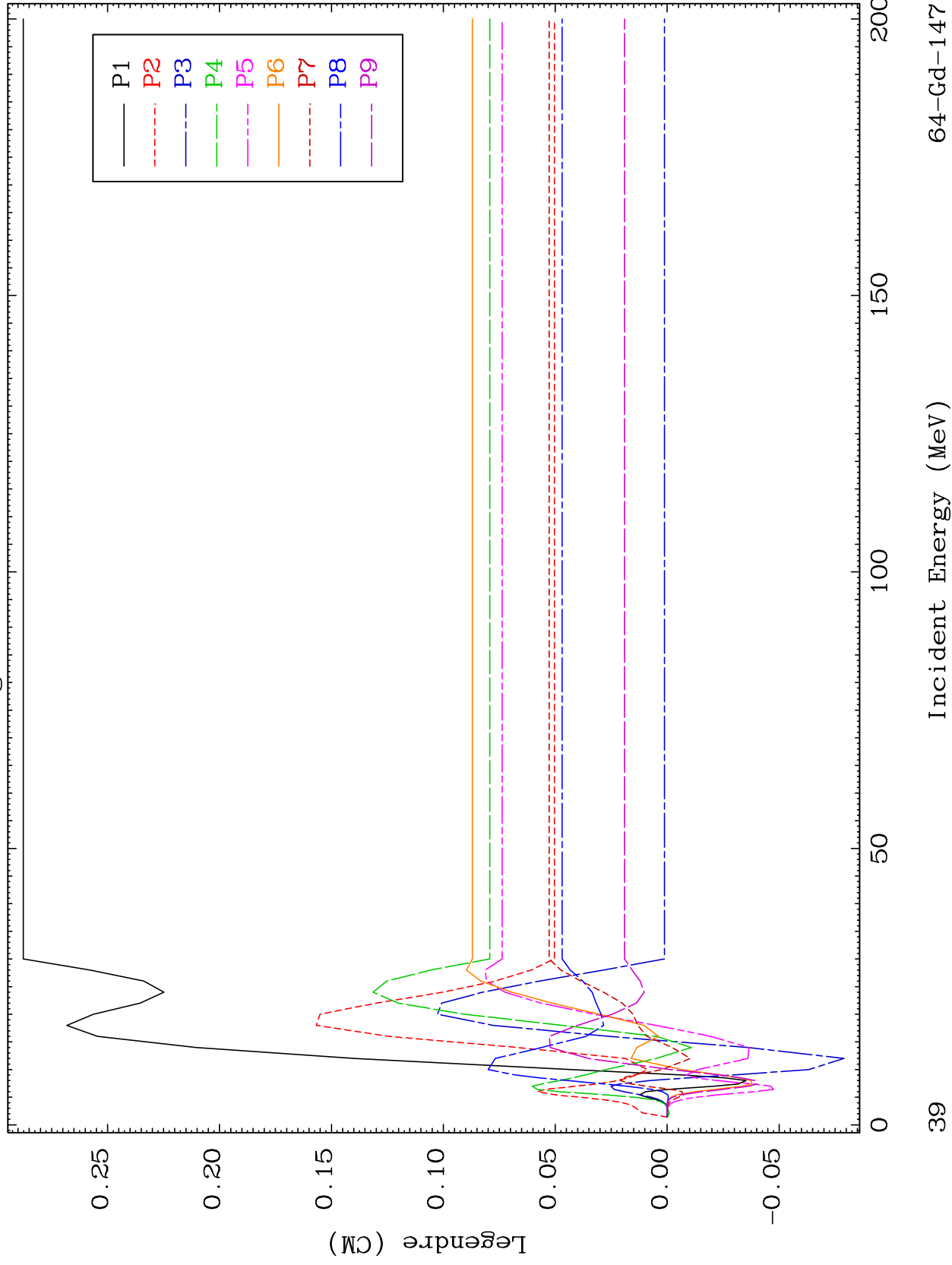
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

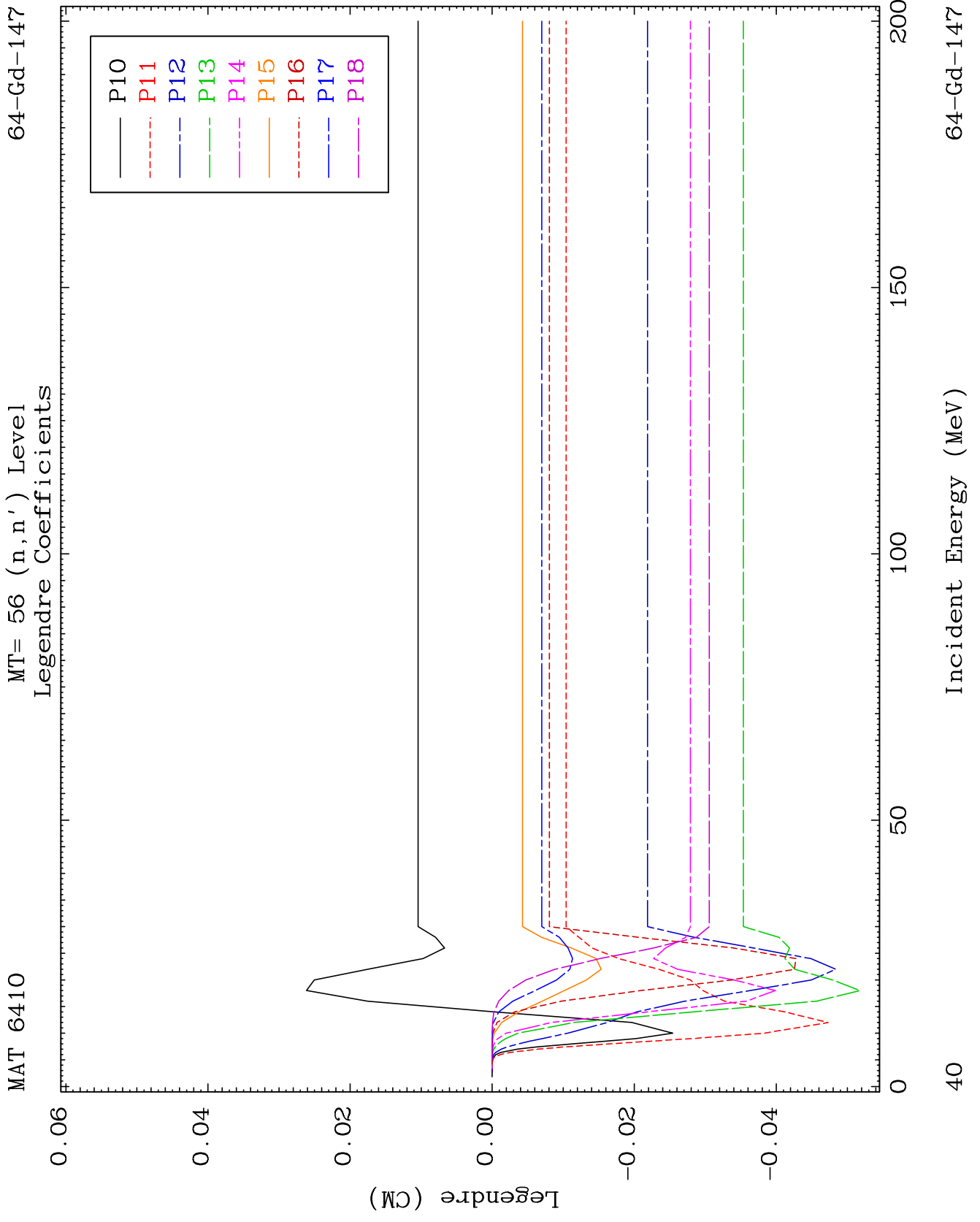
64-Gd-147



39

Incident Energy (MeV)

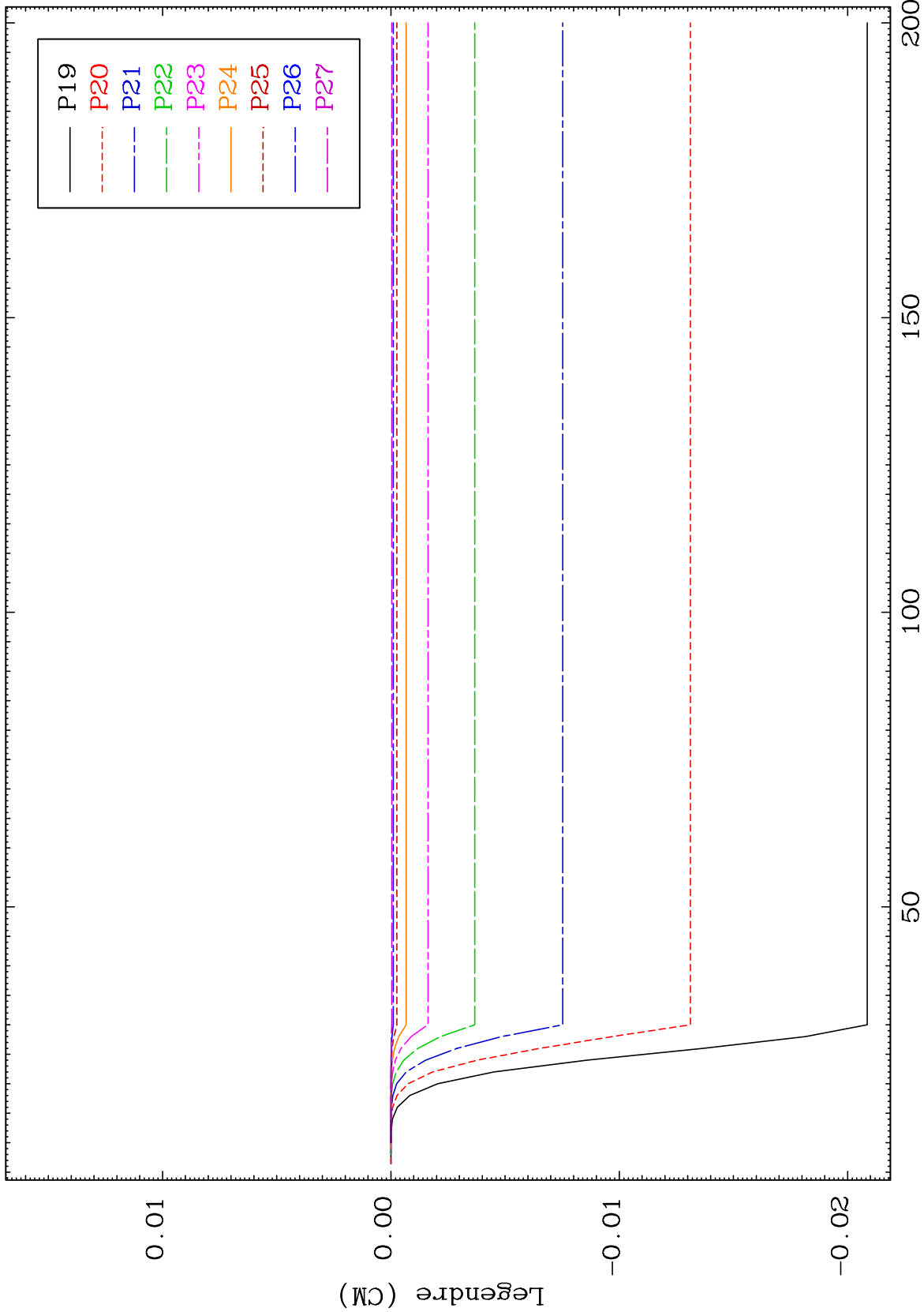
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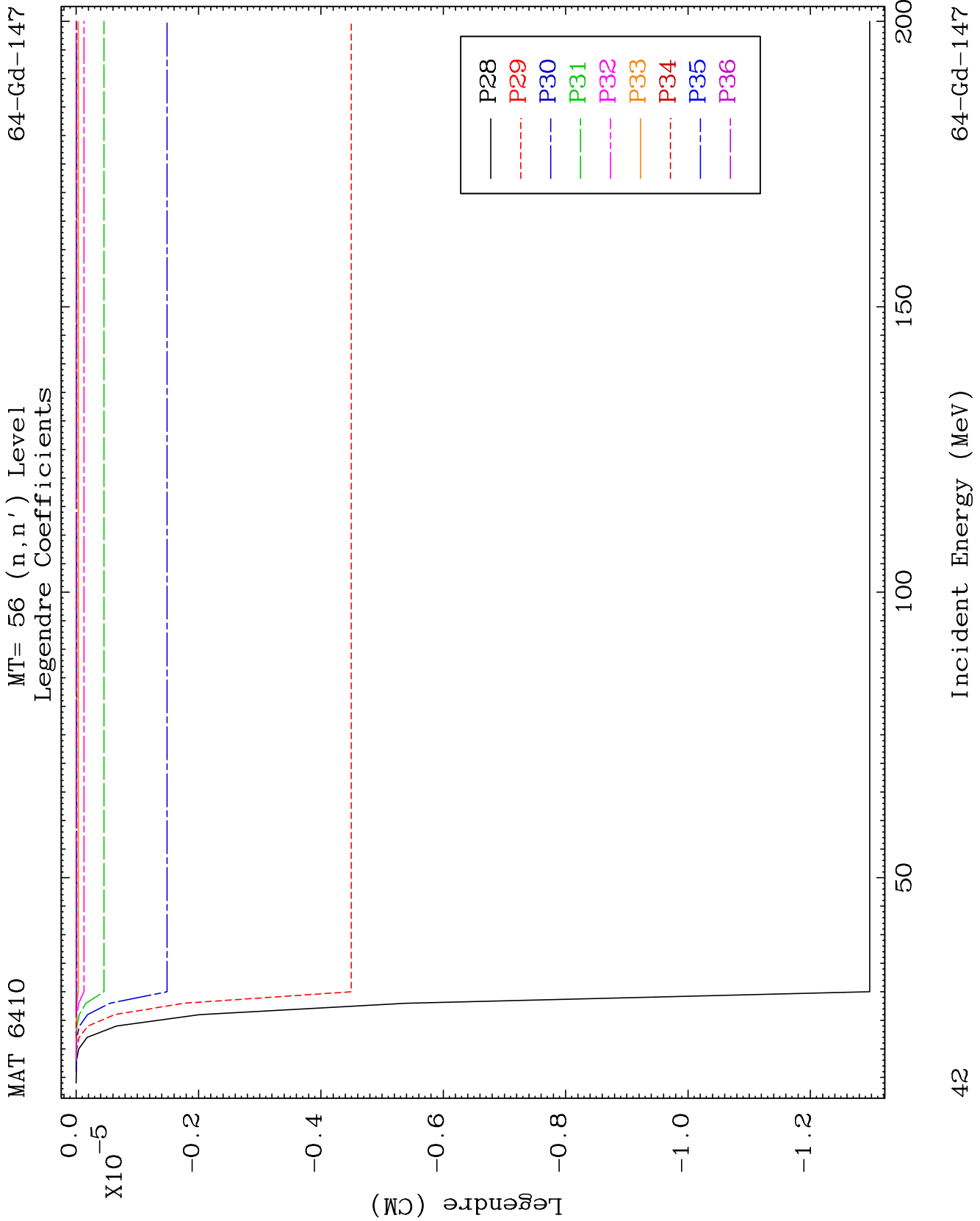


MAT 6410

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

64-Gd-147

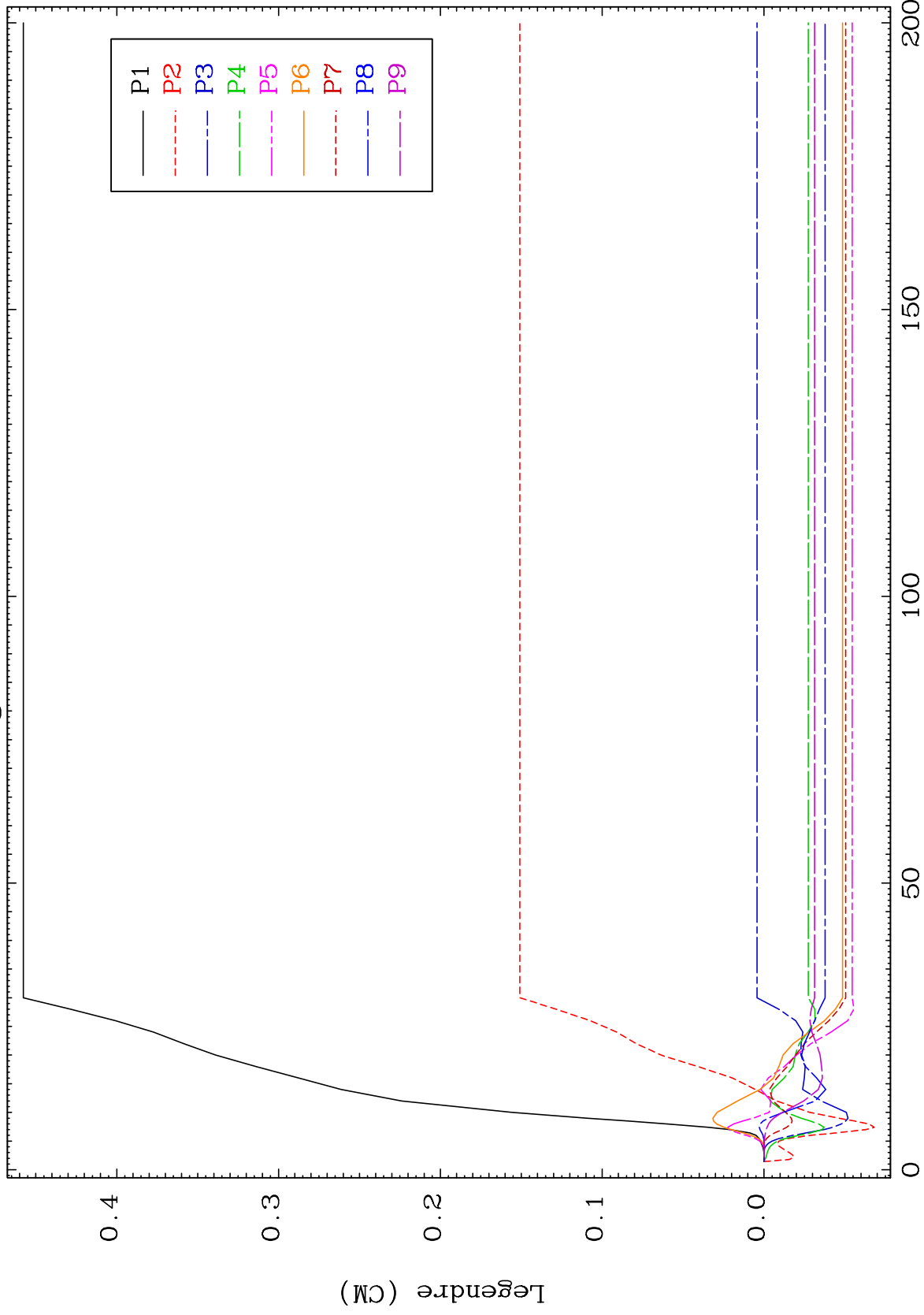




MAT 6410

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

64-Gd-147



43

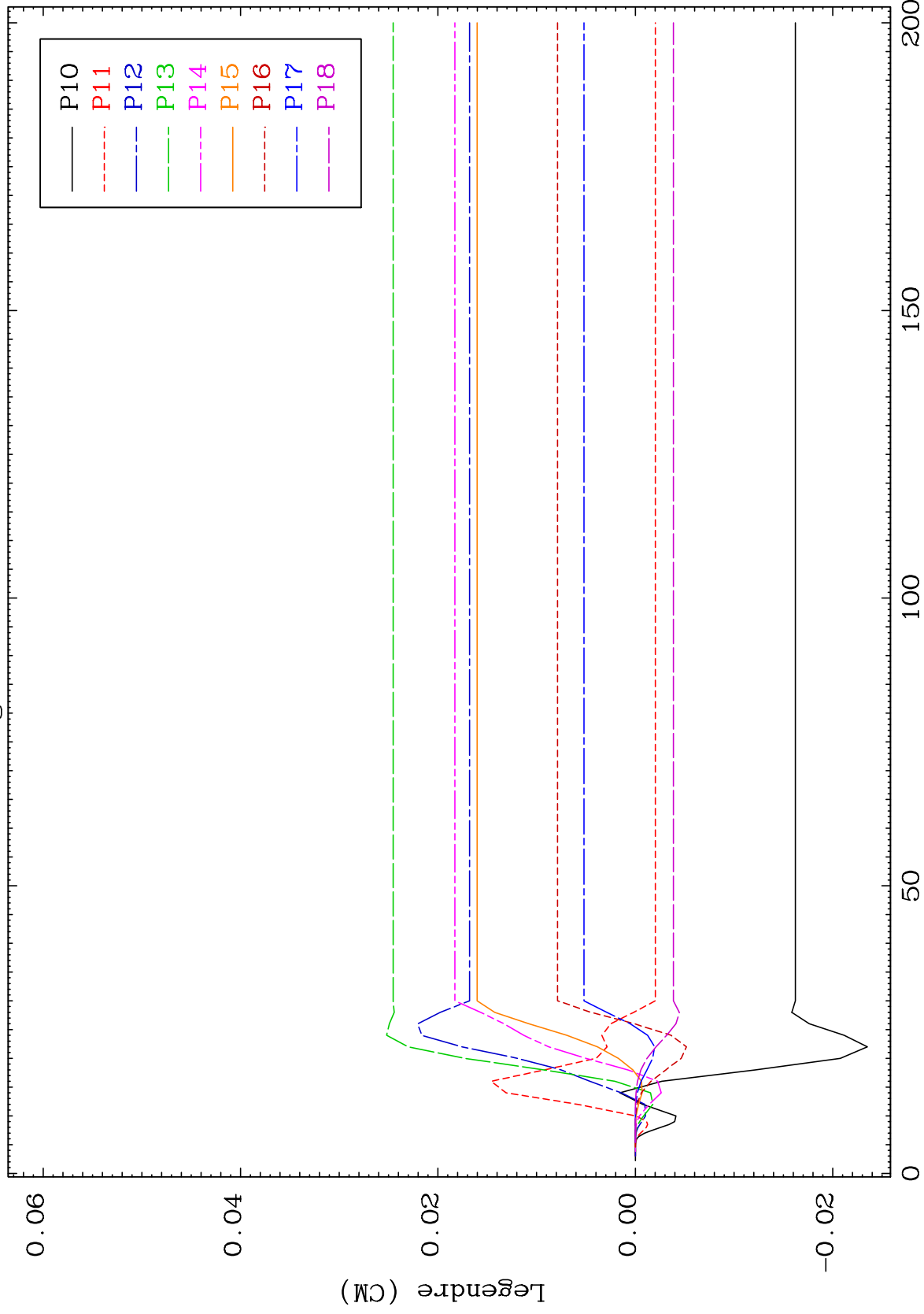
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



44

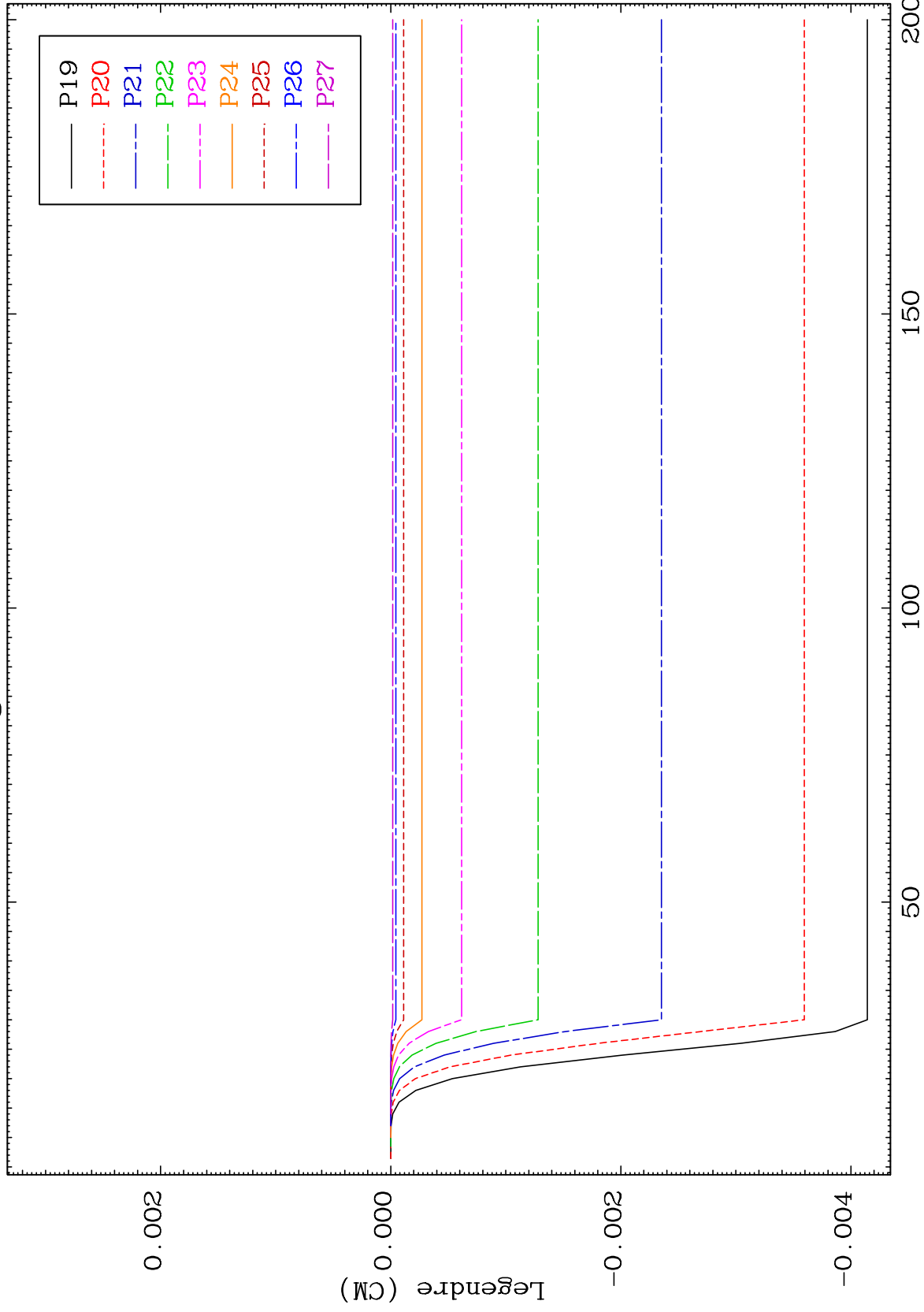
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



45

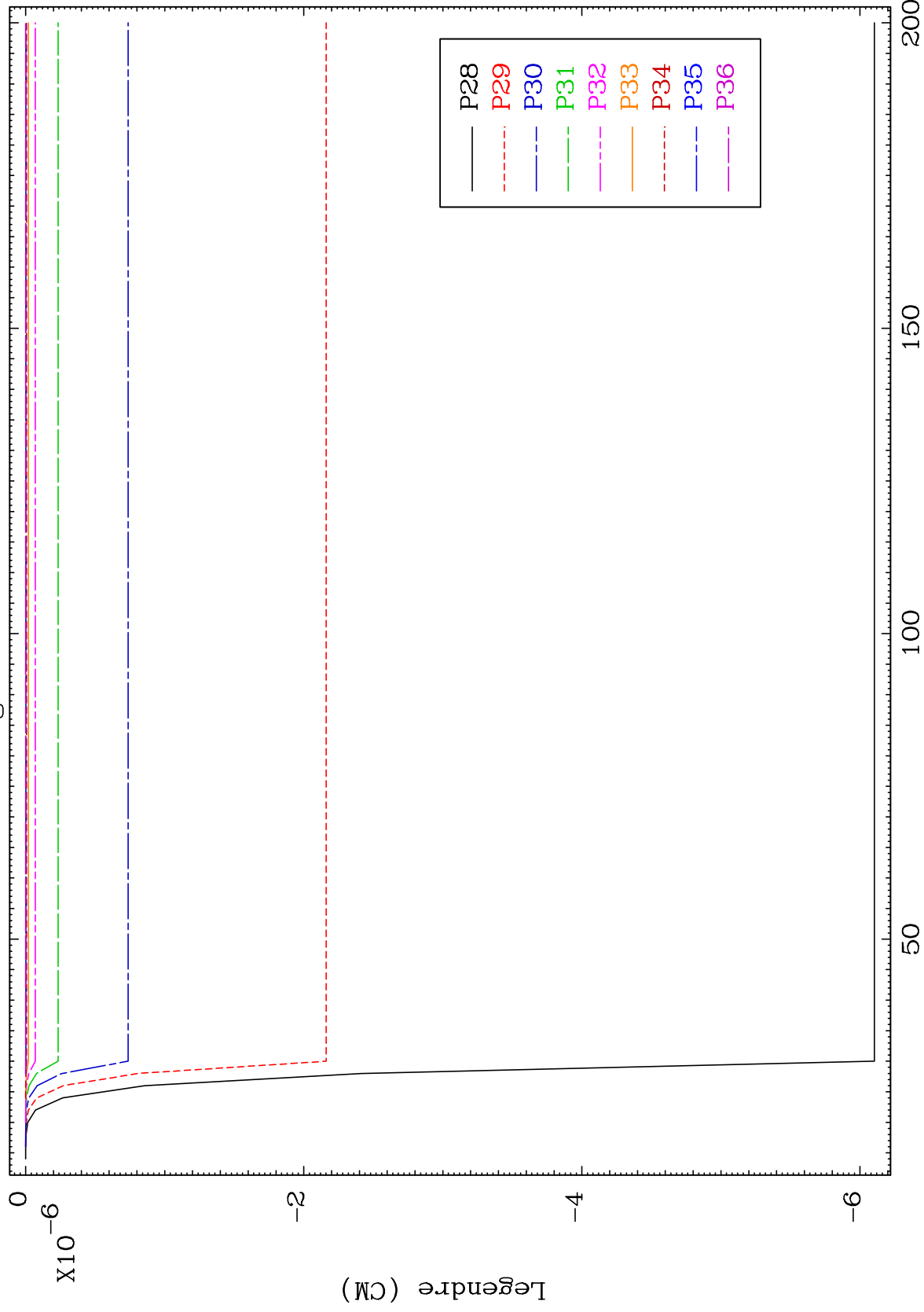
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



46

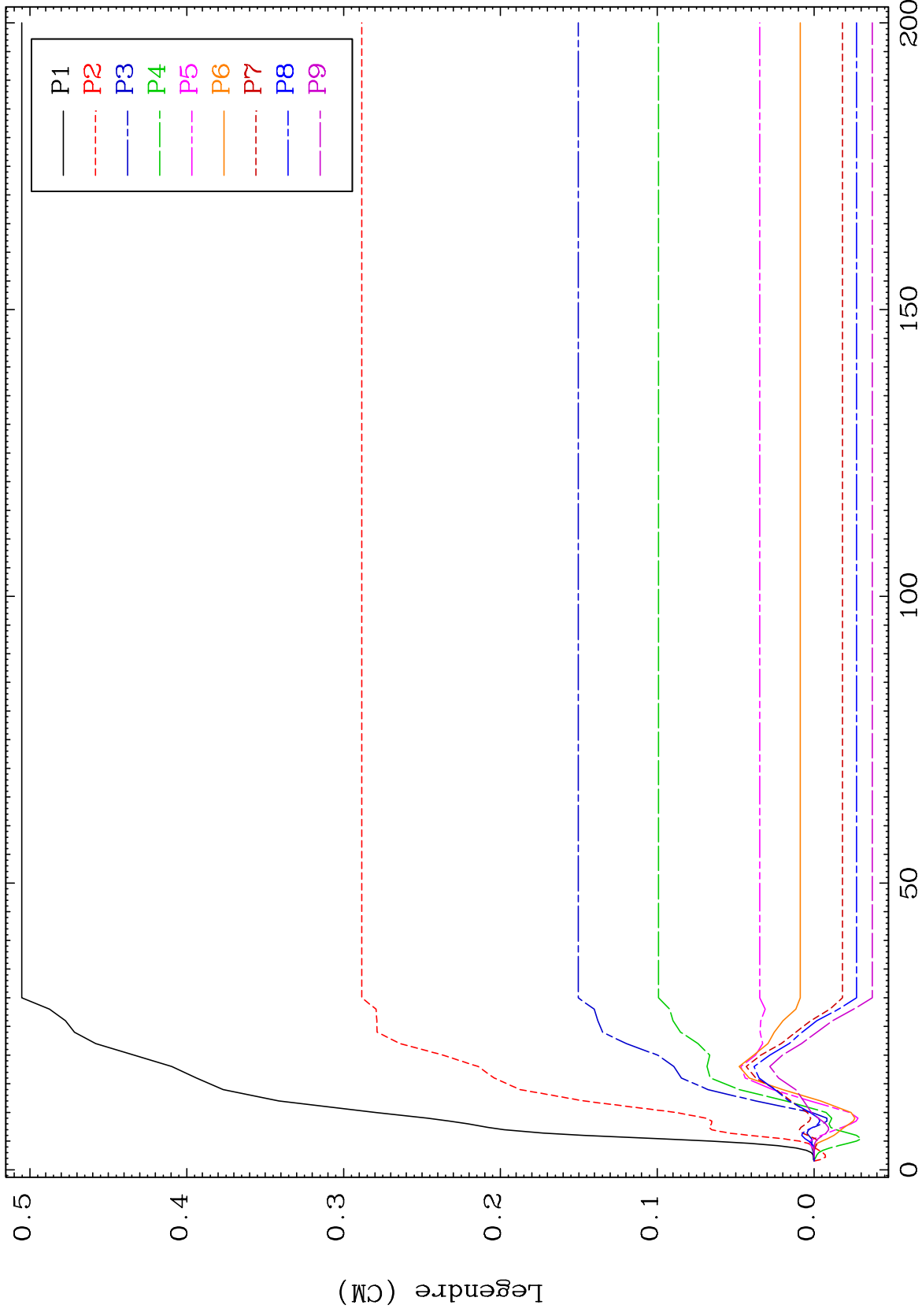
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



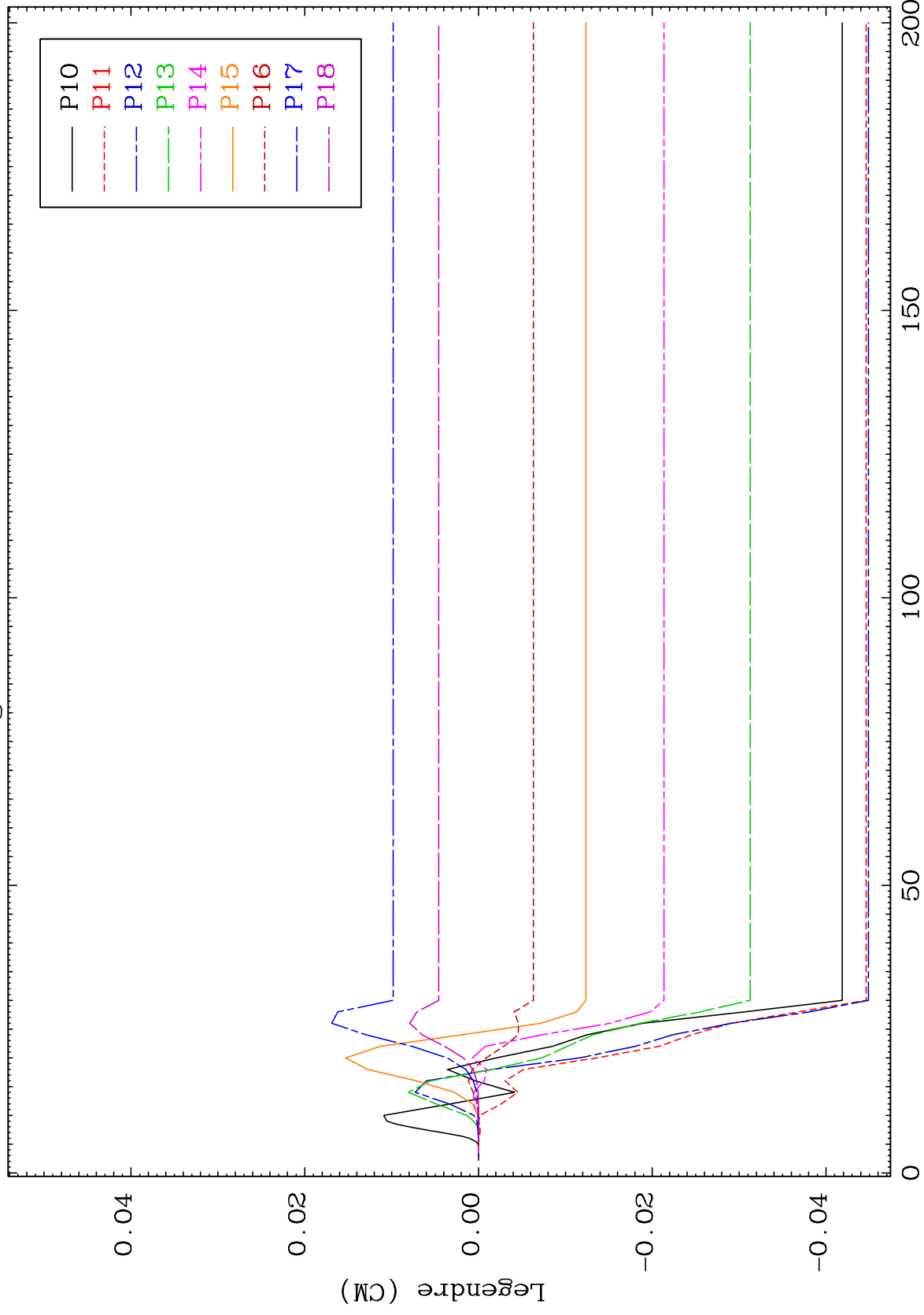
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64-Gd-147

MAT 6410

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

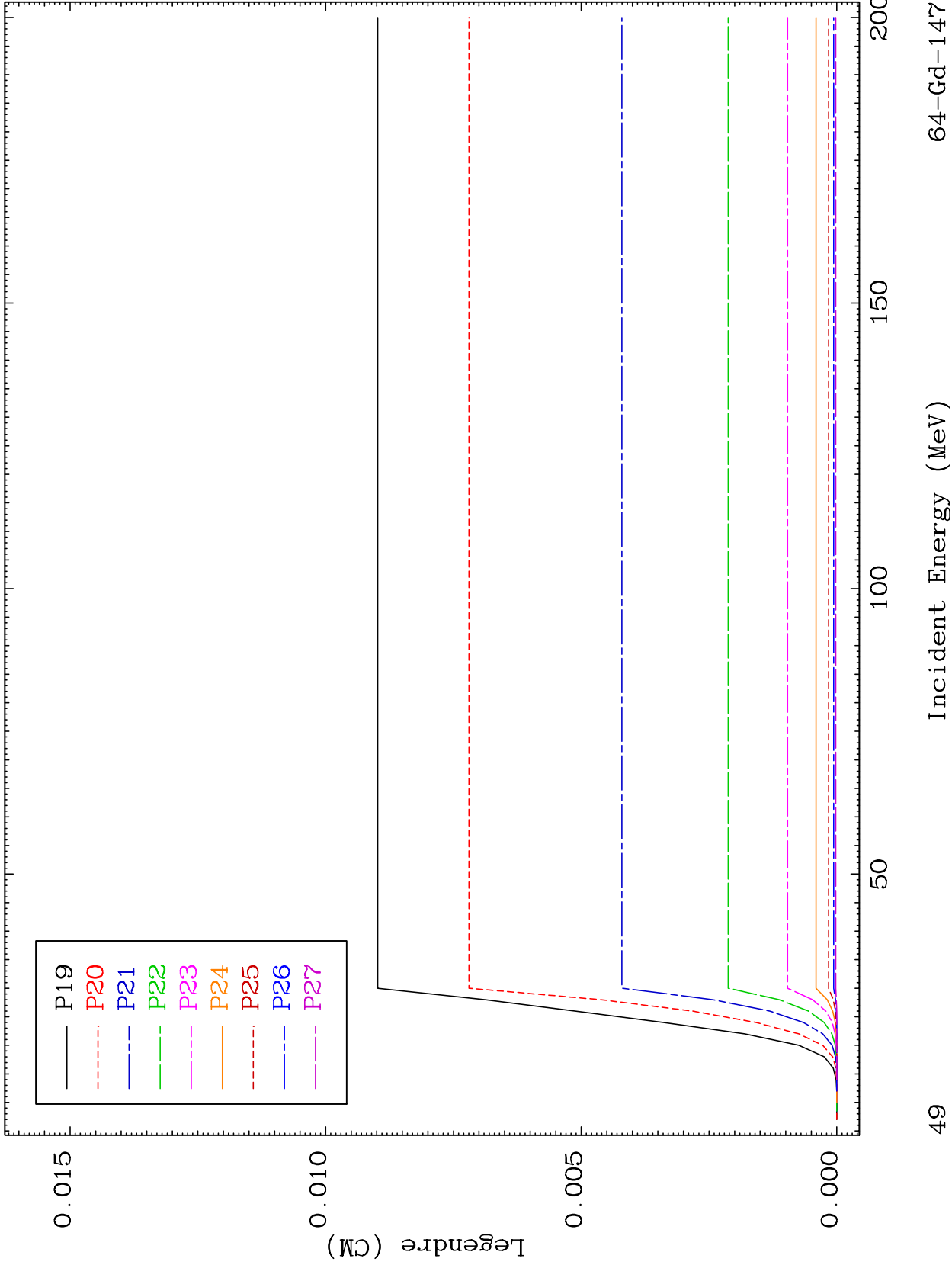
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48

Incident Energy (MeV)

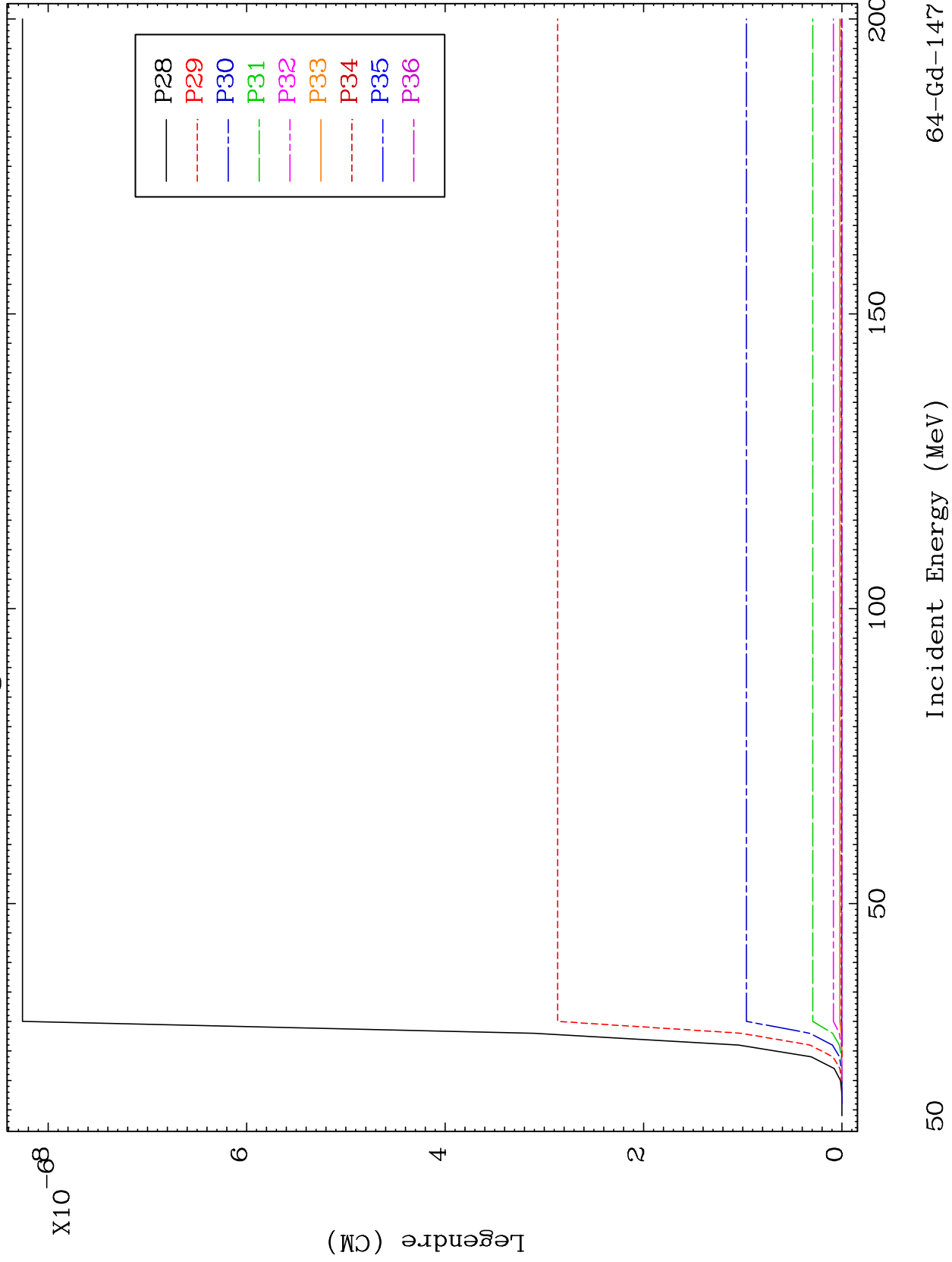
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MAT 6410

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

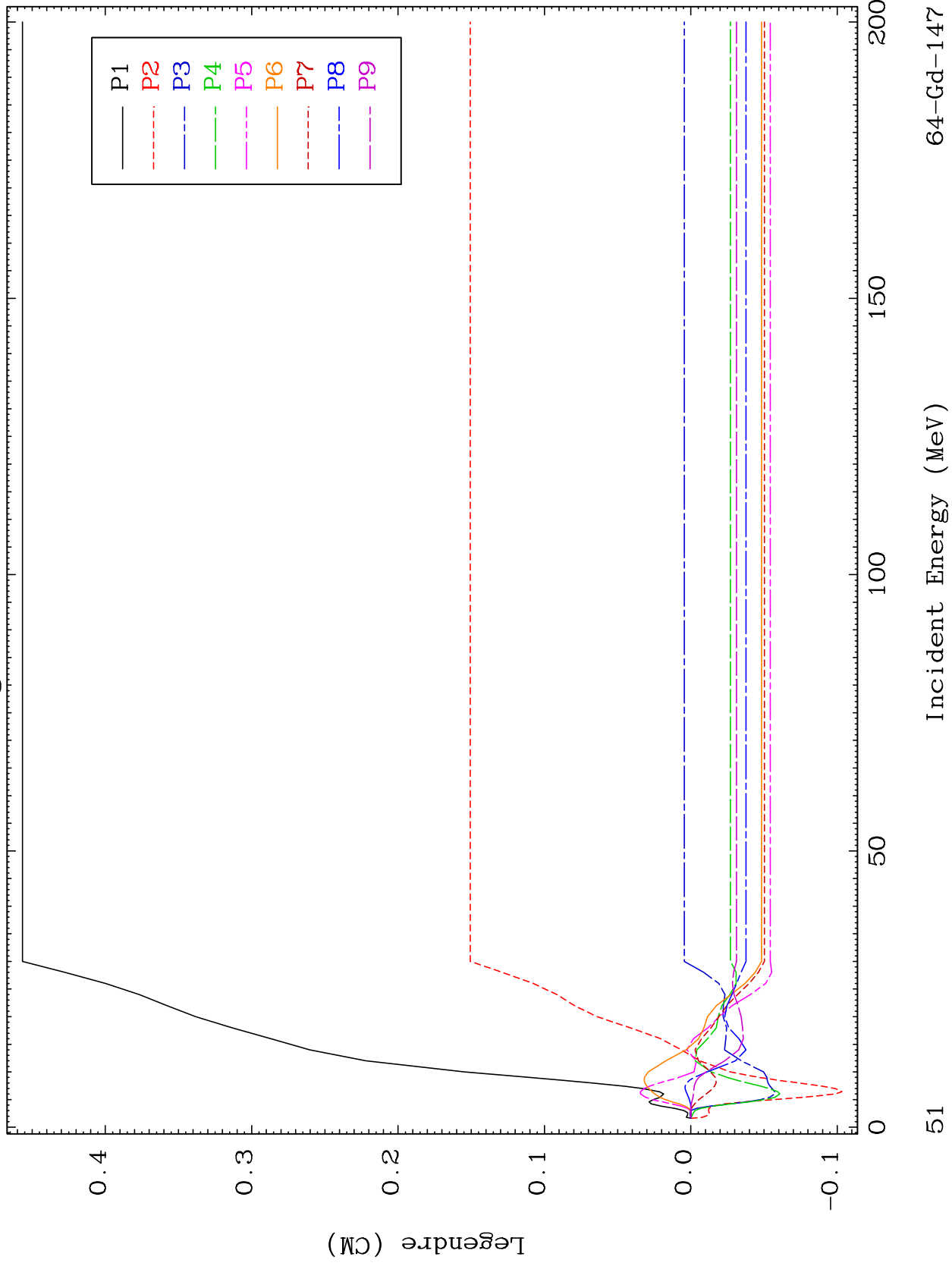
64-Gd-147



MAT 6410

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

64-Gd-147



64-Gd-147

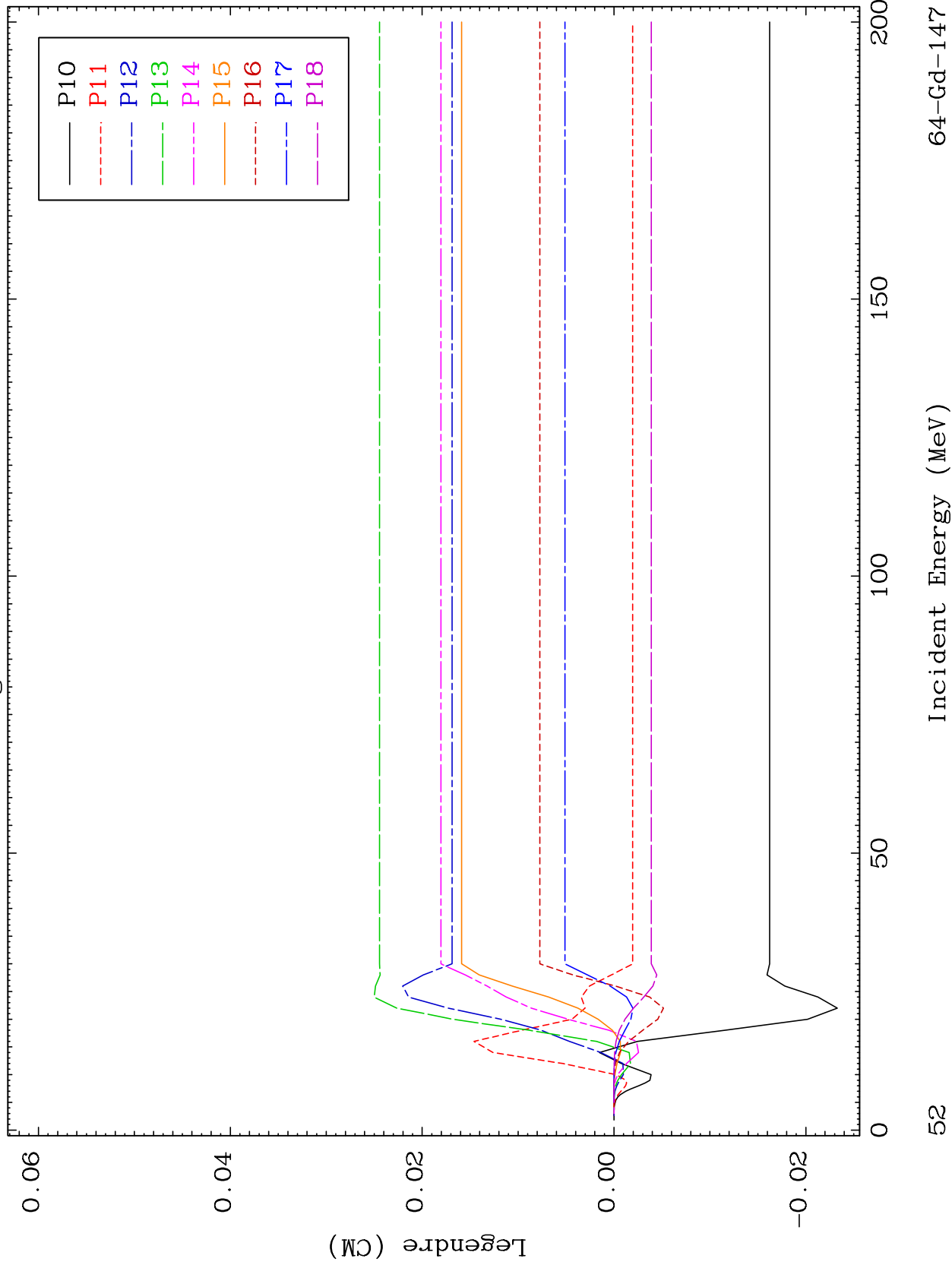
Incident Energy (MeV)

51

MAT 6410

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

64-Gd-147



64-Gd-147

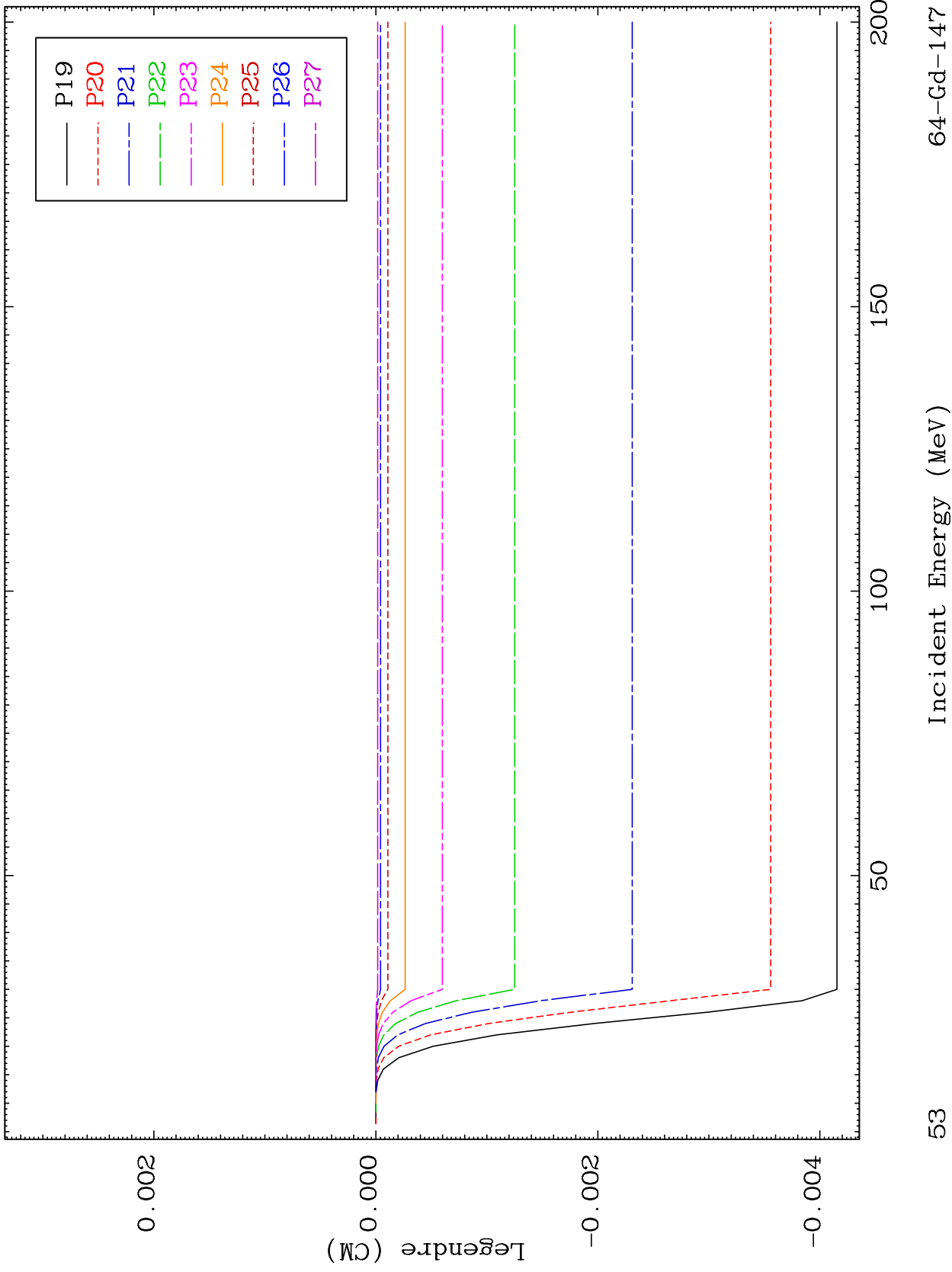
Incident Energy (MeV)

52

MAT 6410

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

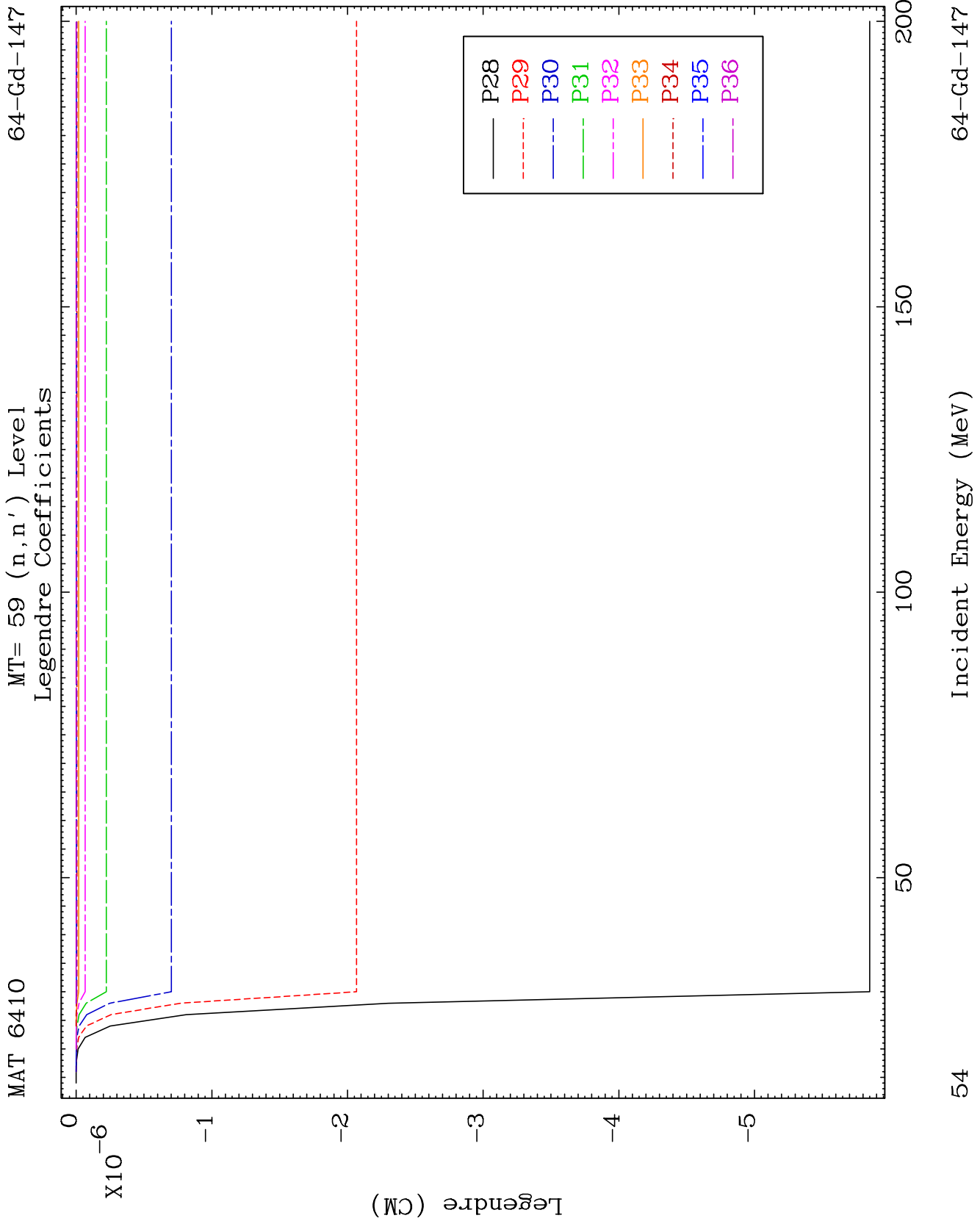
64-Gd-147



53

Incident Energy (MeV)

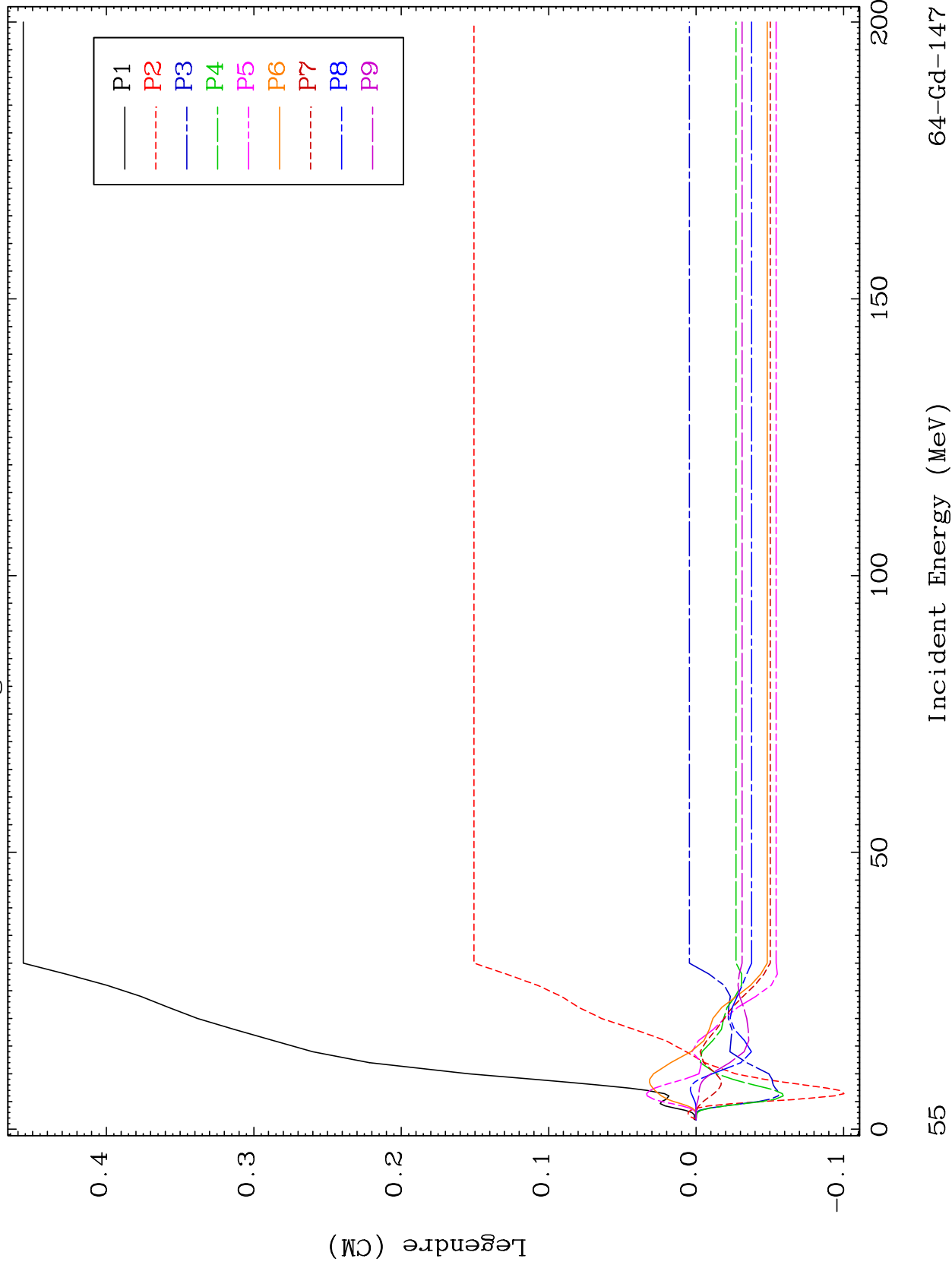
64-Gd-147



MAT 6410

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

64-Gd-147



64-Gd-147

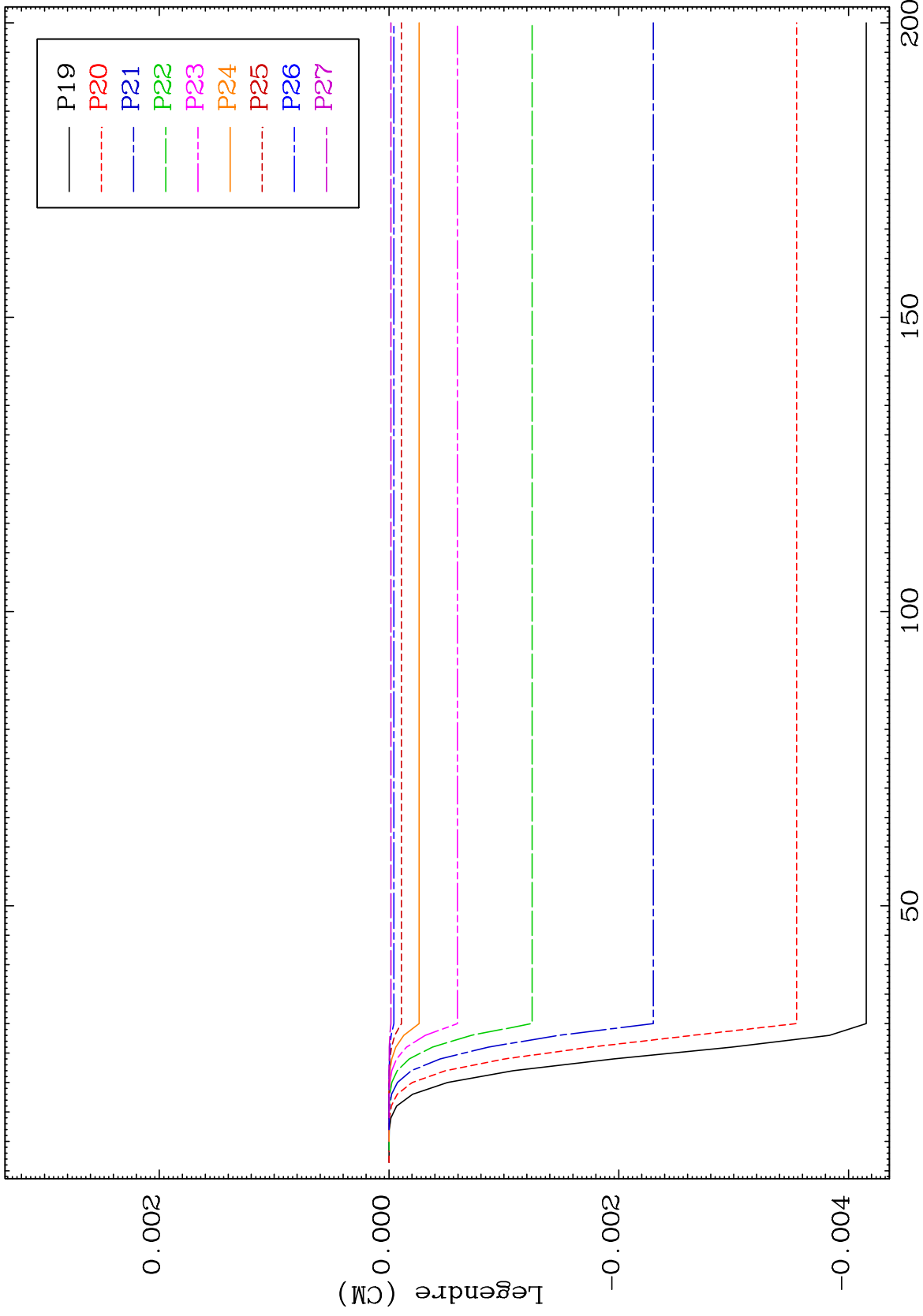
Incident Energy (MeV)

55

MAT 6410

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

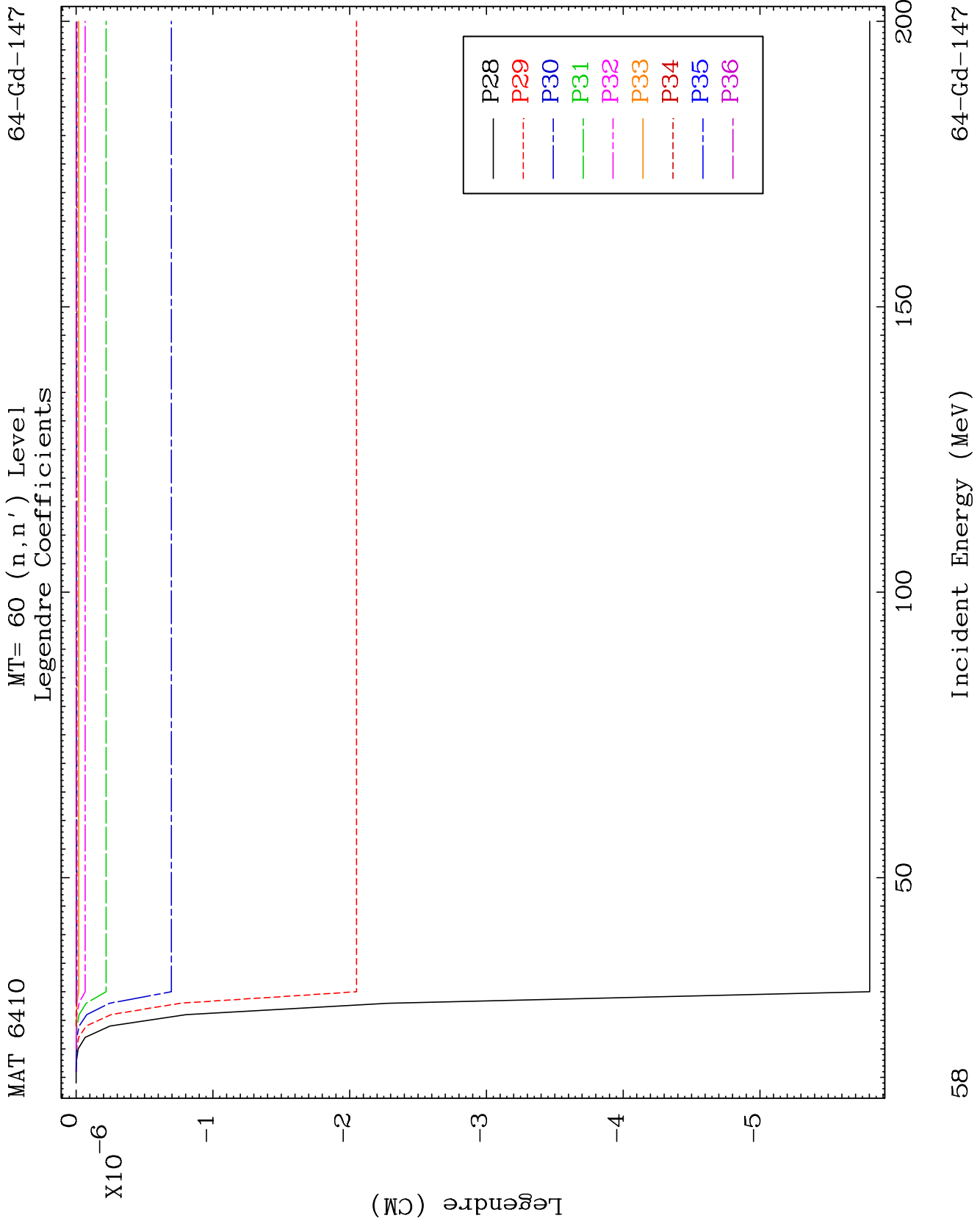
64-Gd-147



57

Incident Energy (MeV)

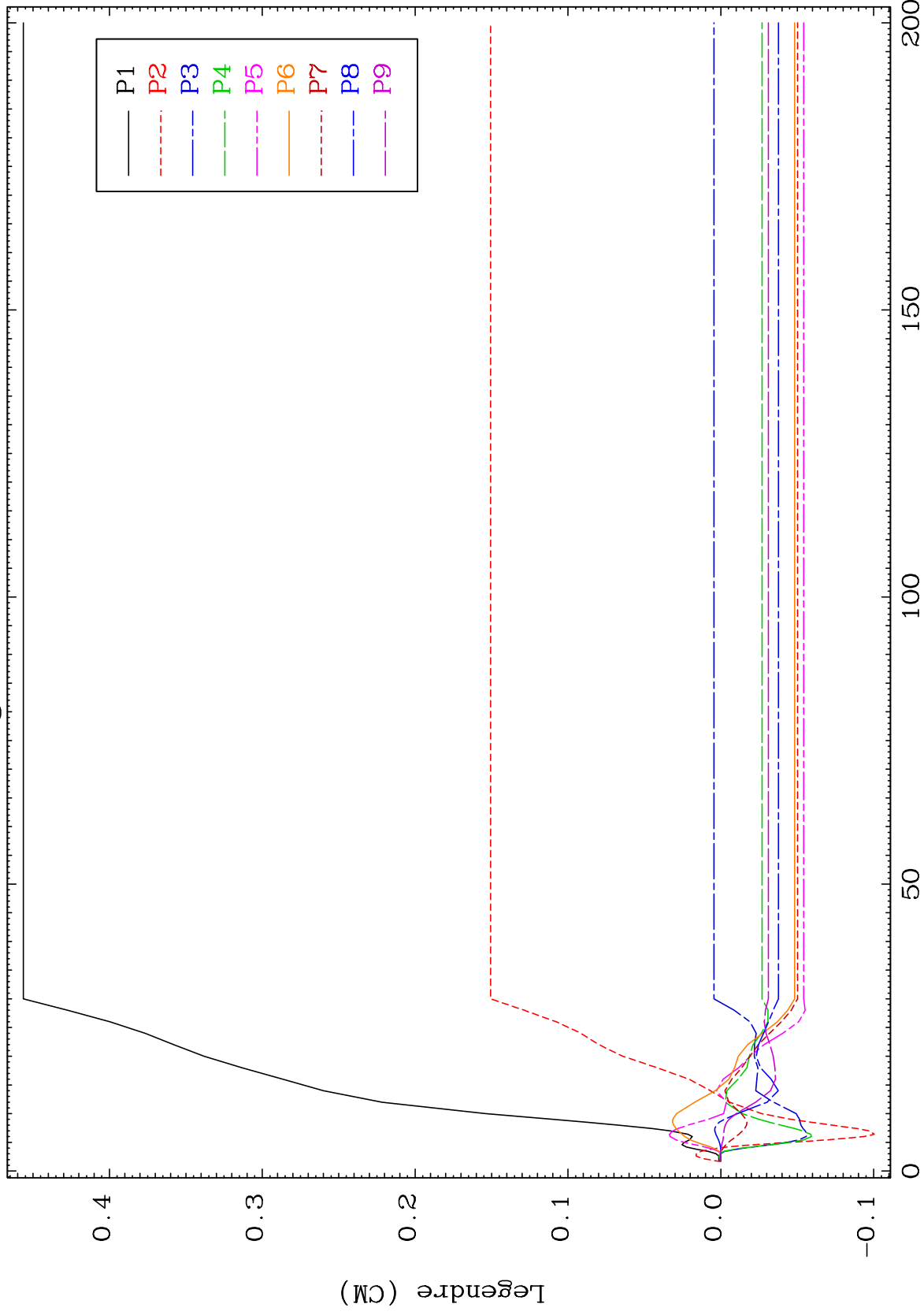
64-Gd-147



MAT 6410

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

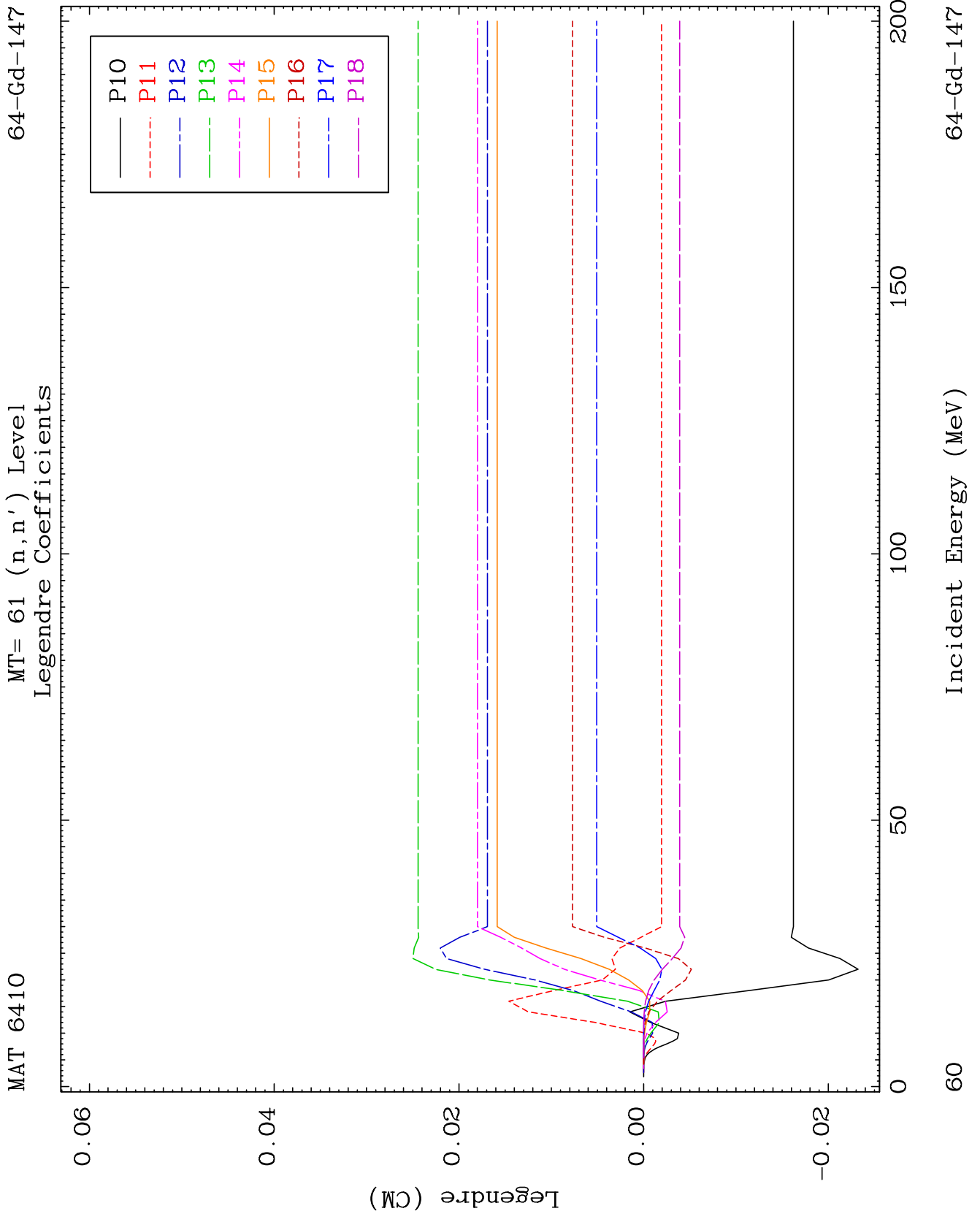
64-Gd-147



59

Incident Energy (MeV)

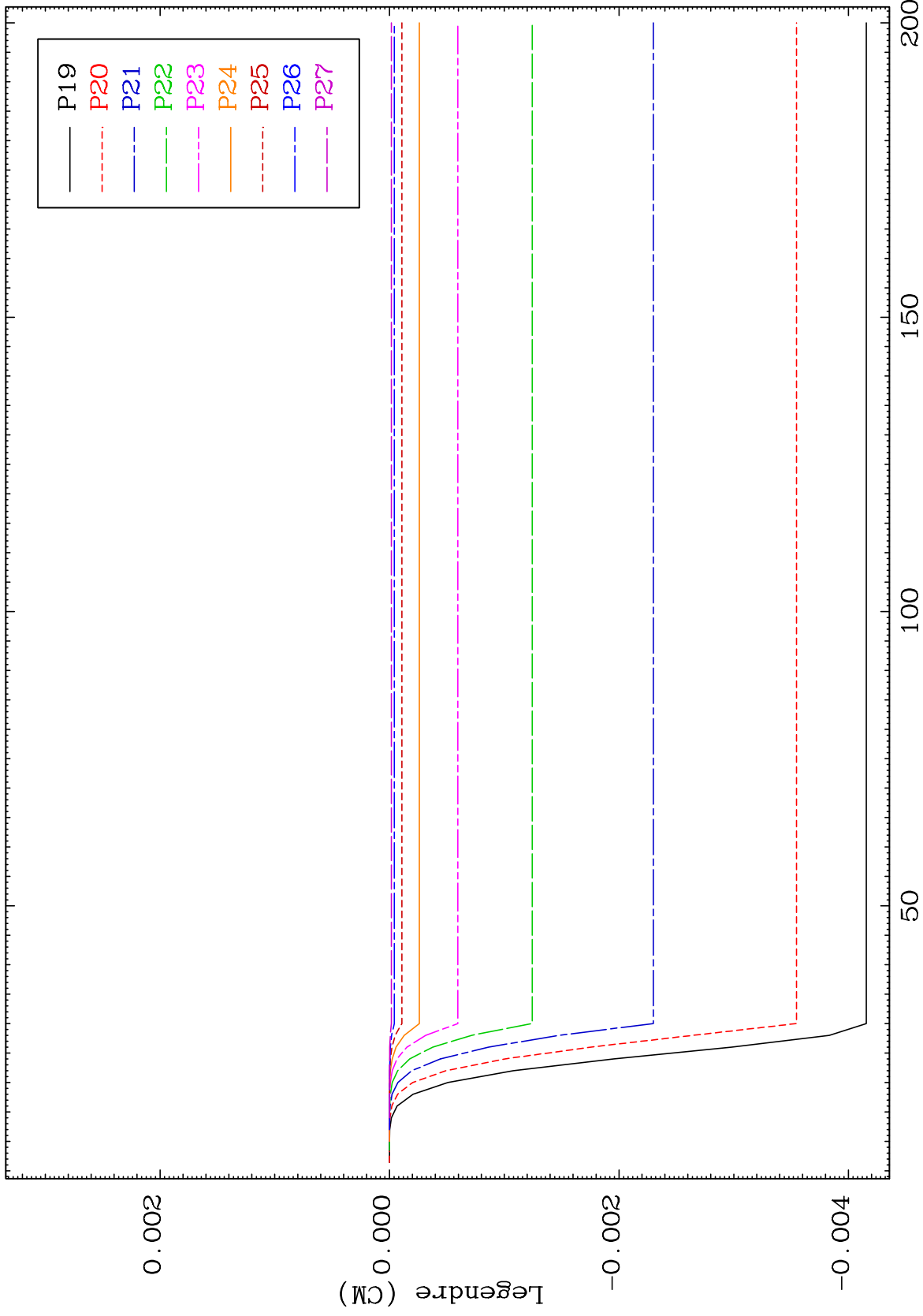
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MAT 6410

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

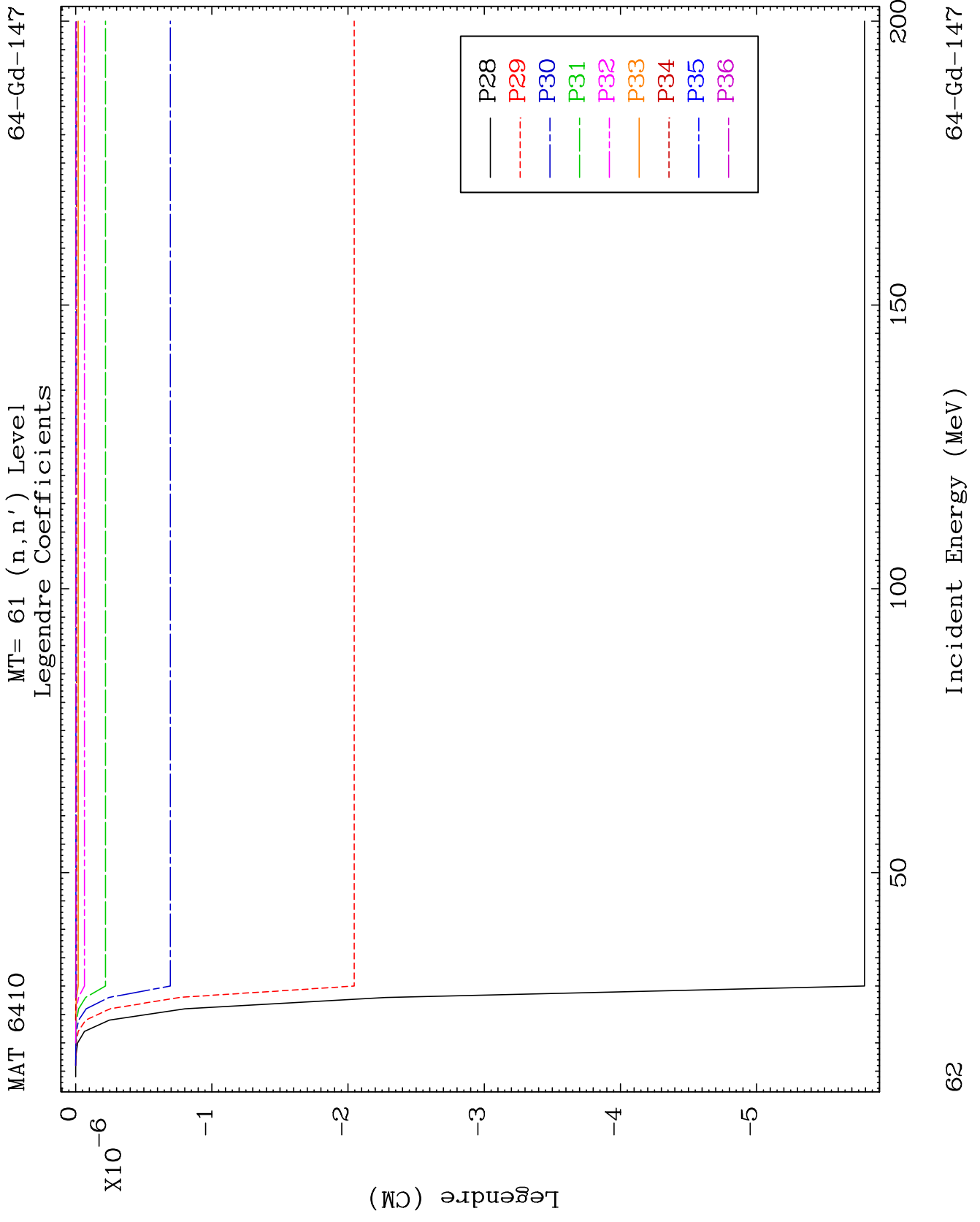
64-Gd-147



61

Incident Energy (MeV)

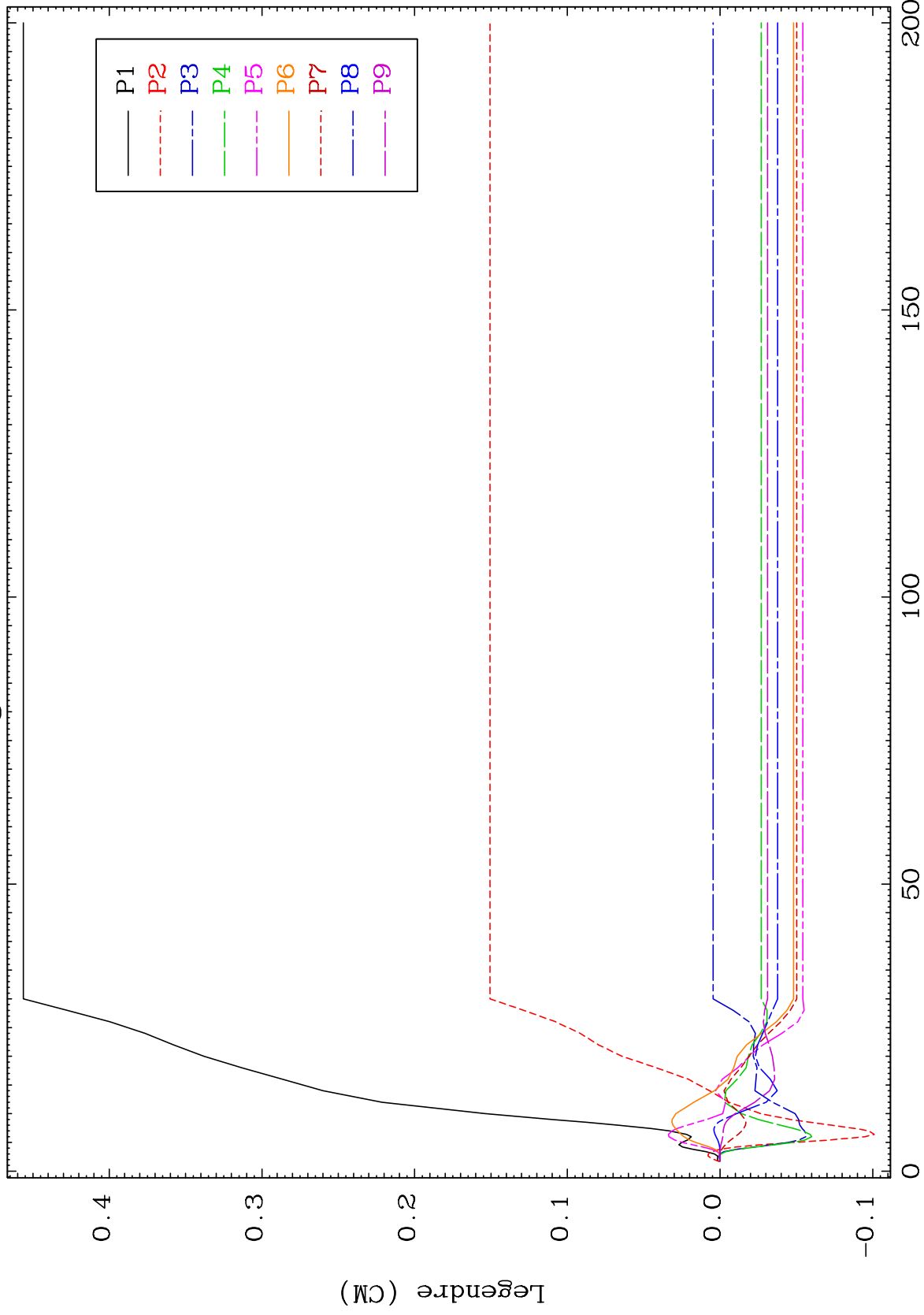
64-Gd-147



MAT 6410

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

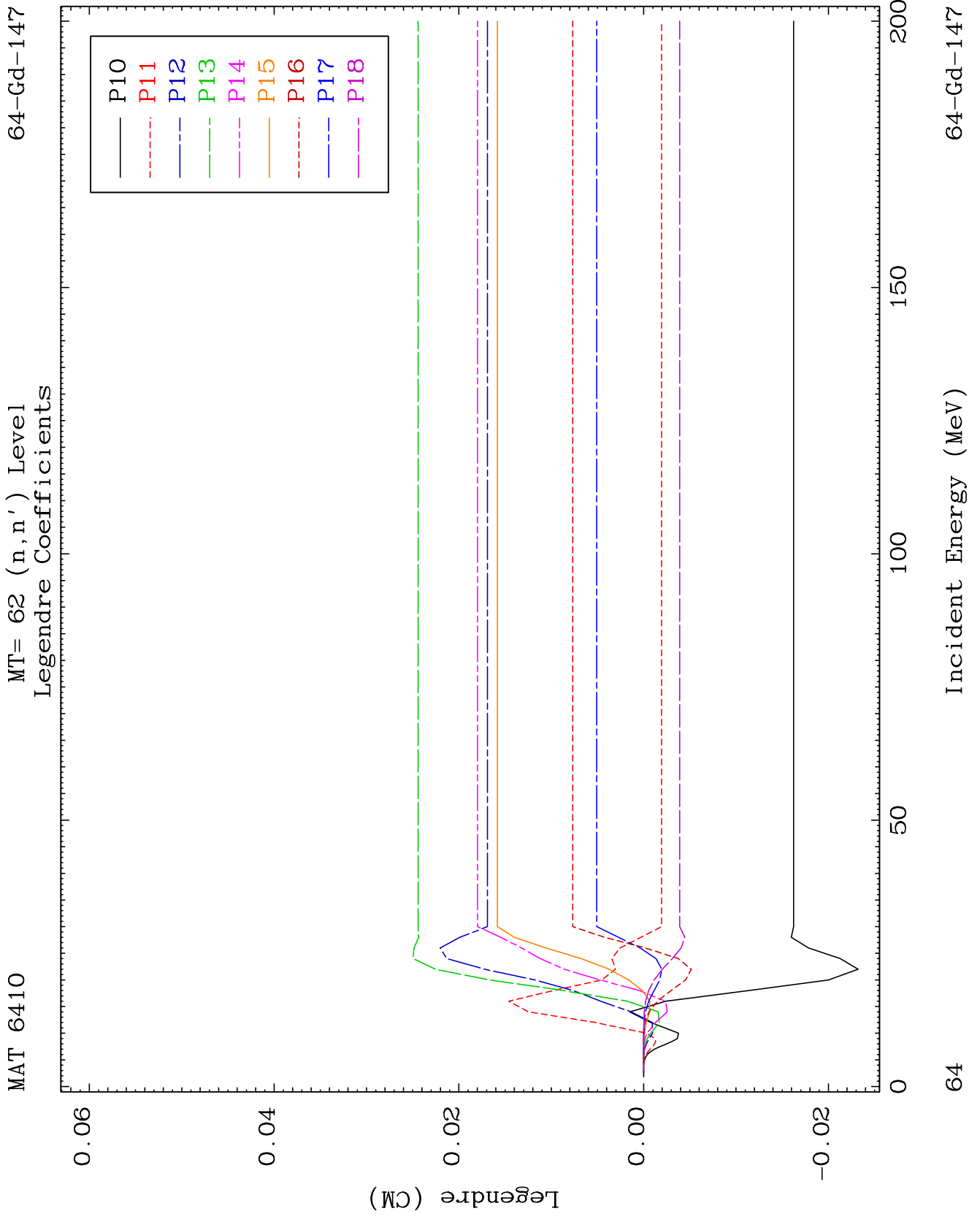
64-Gd-147



64-Gd-147

Incident Energy (MeV)

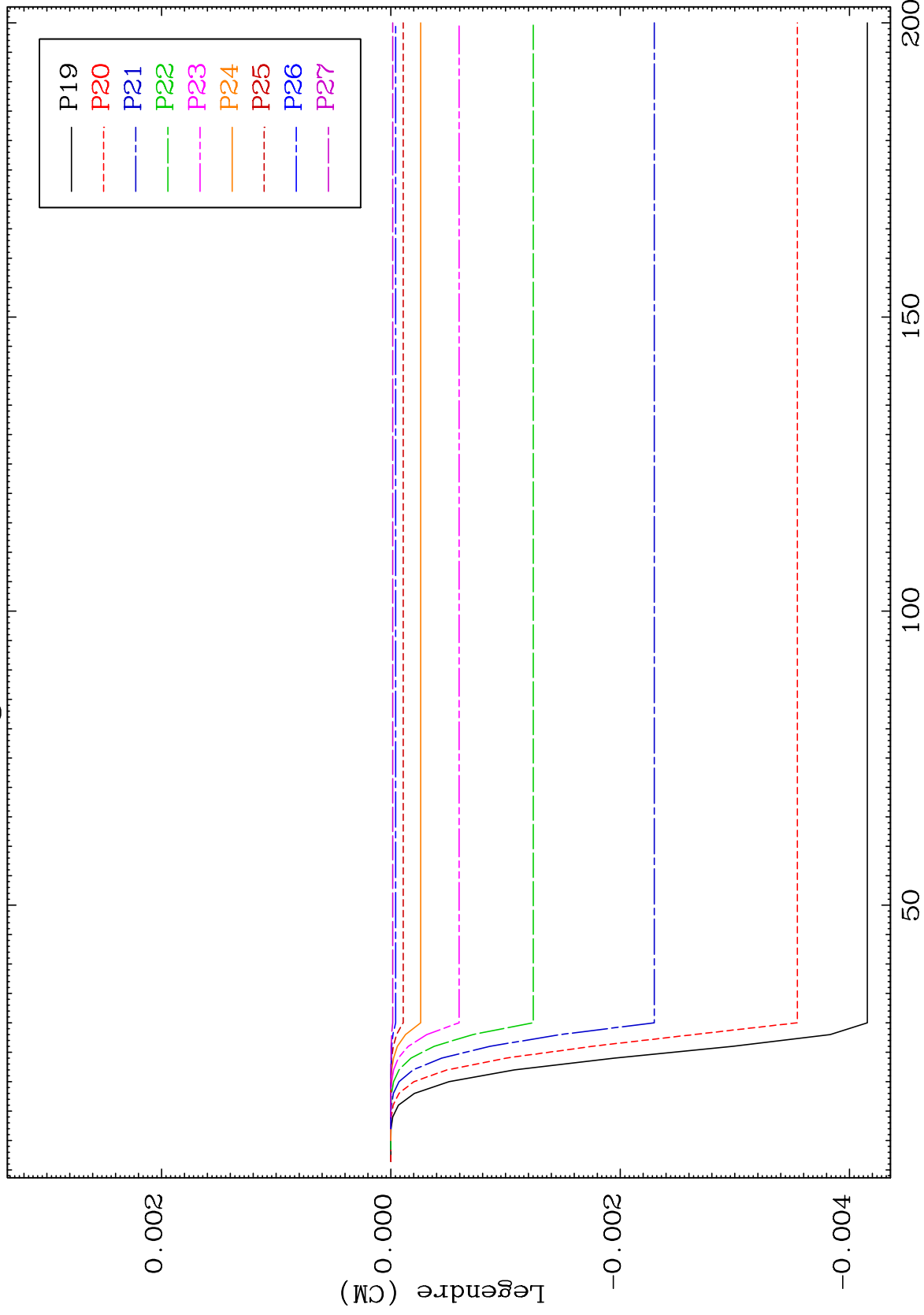
63



MAT 6410

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

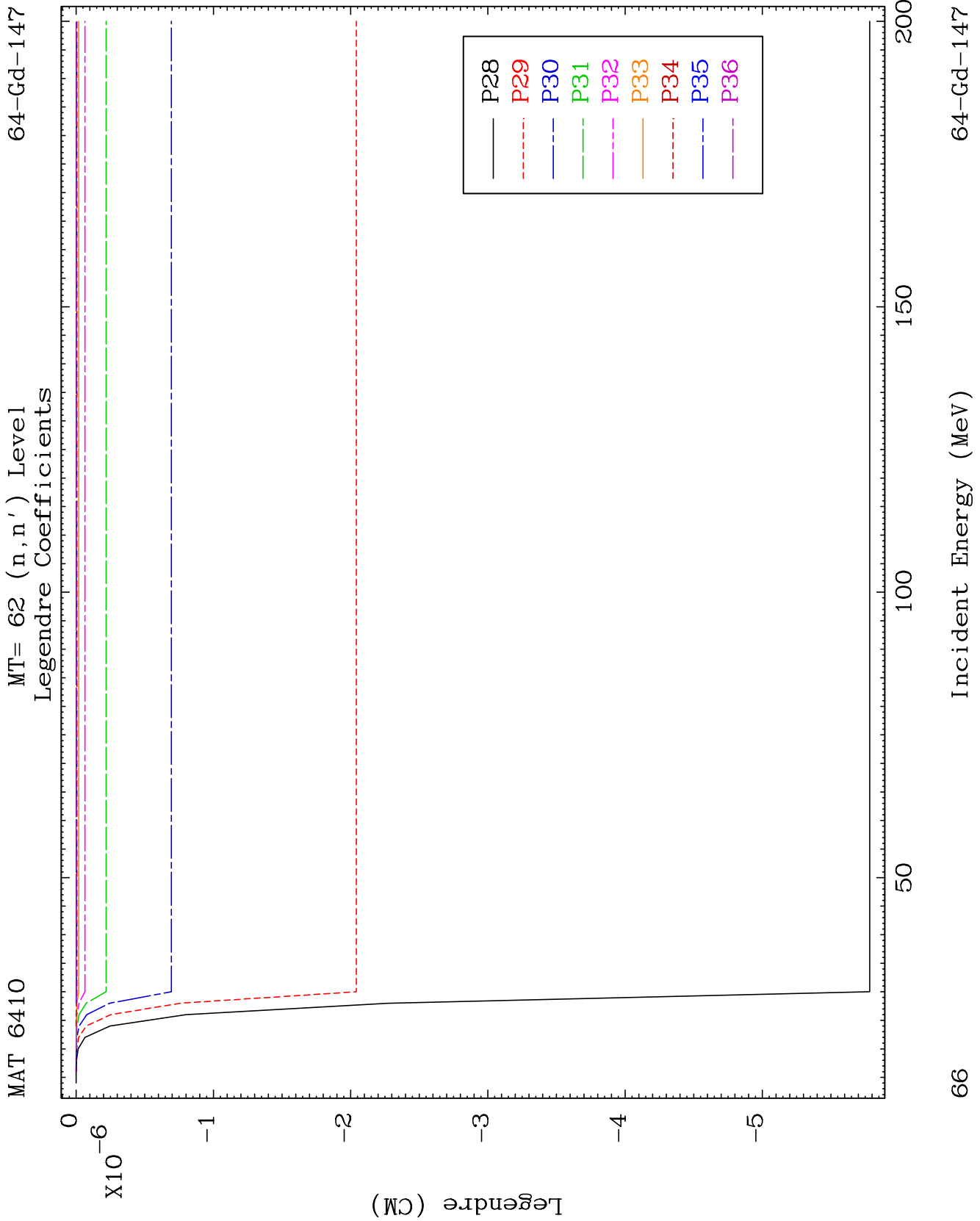
64-Gd-147



65

Incident Energy (MeV)

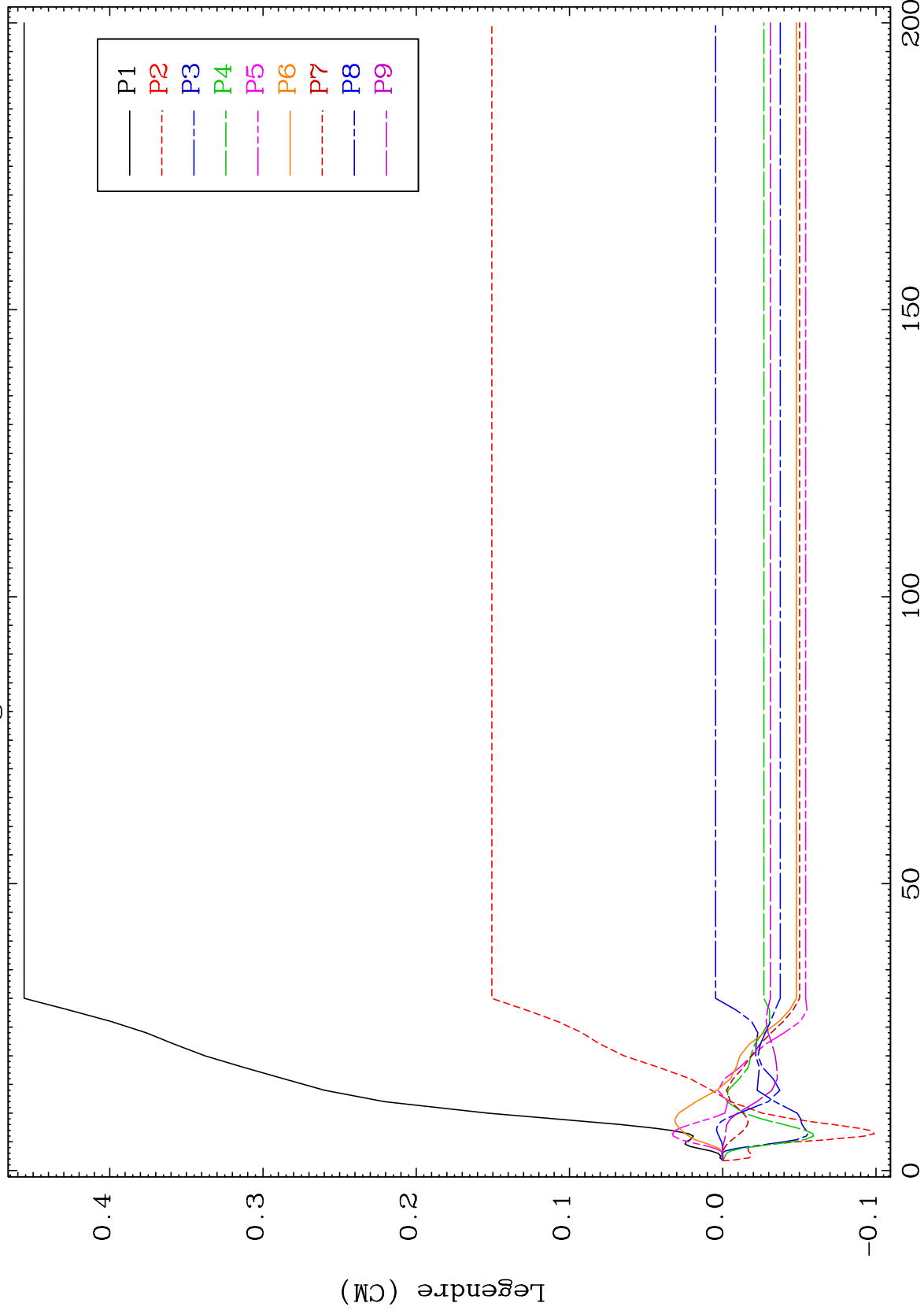
64-Gd-147



MAT 6410

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

64-Gd-147



67

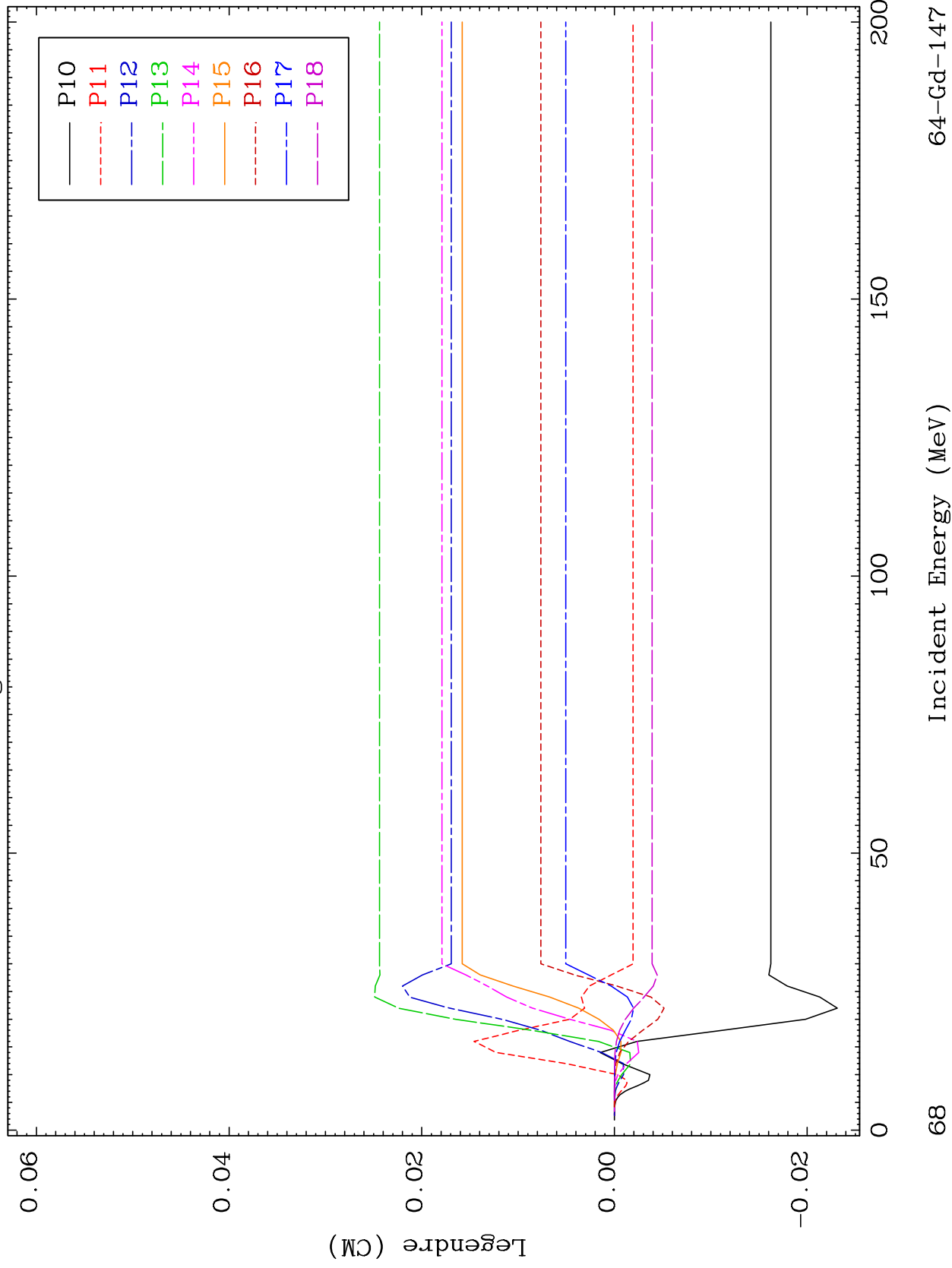
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

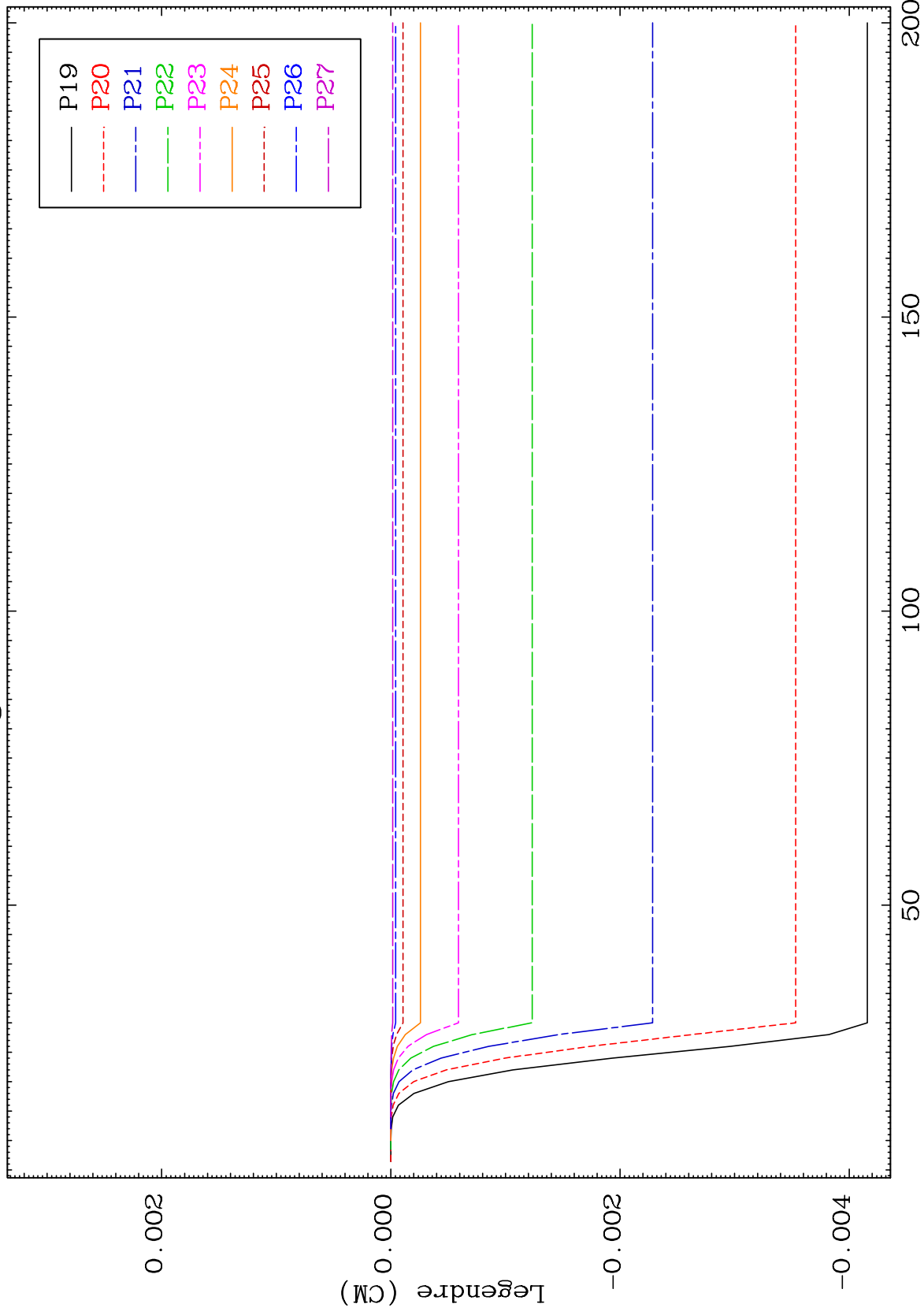
Incident Energy (MeV)

68

MAT 6410

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

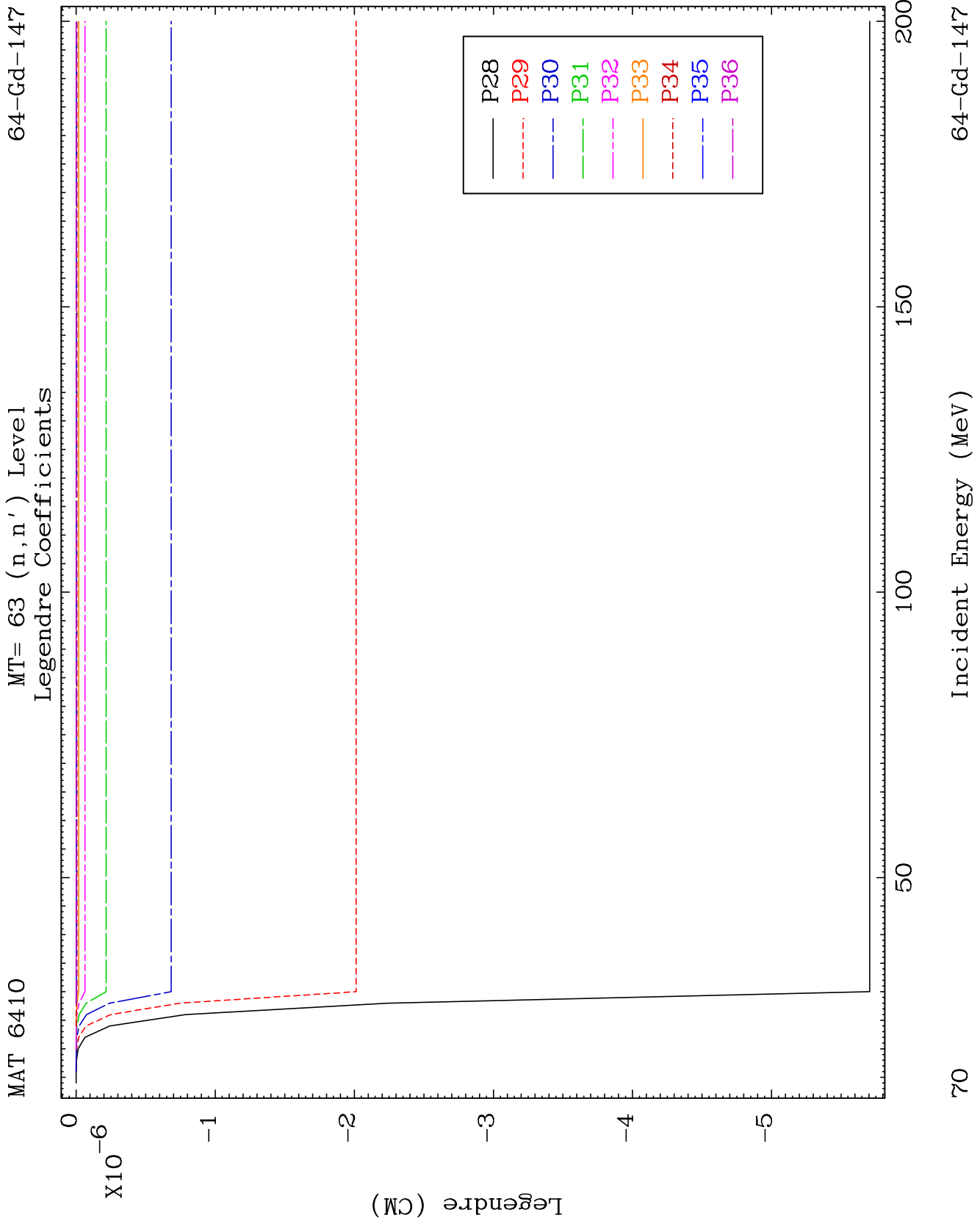
64-Gd-147



69

Incident Energy (MeV)

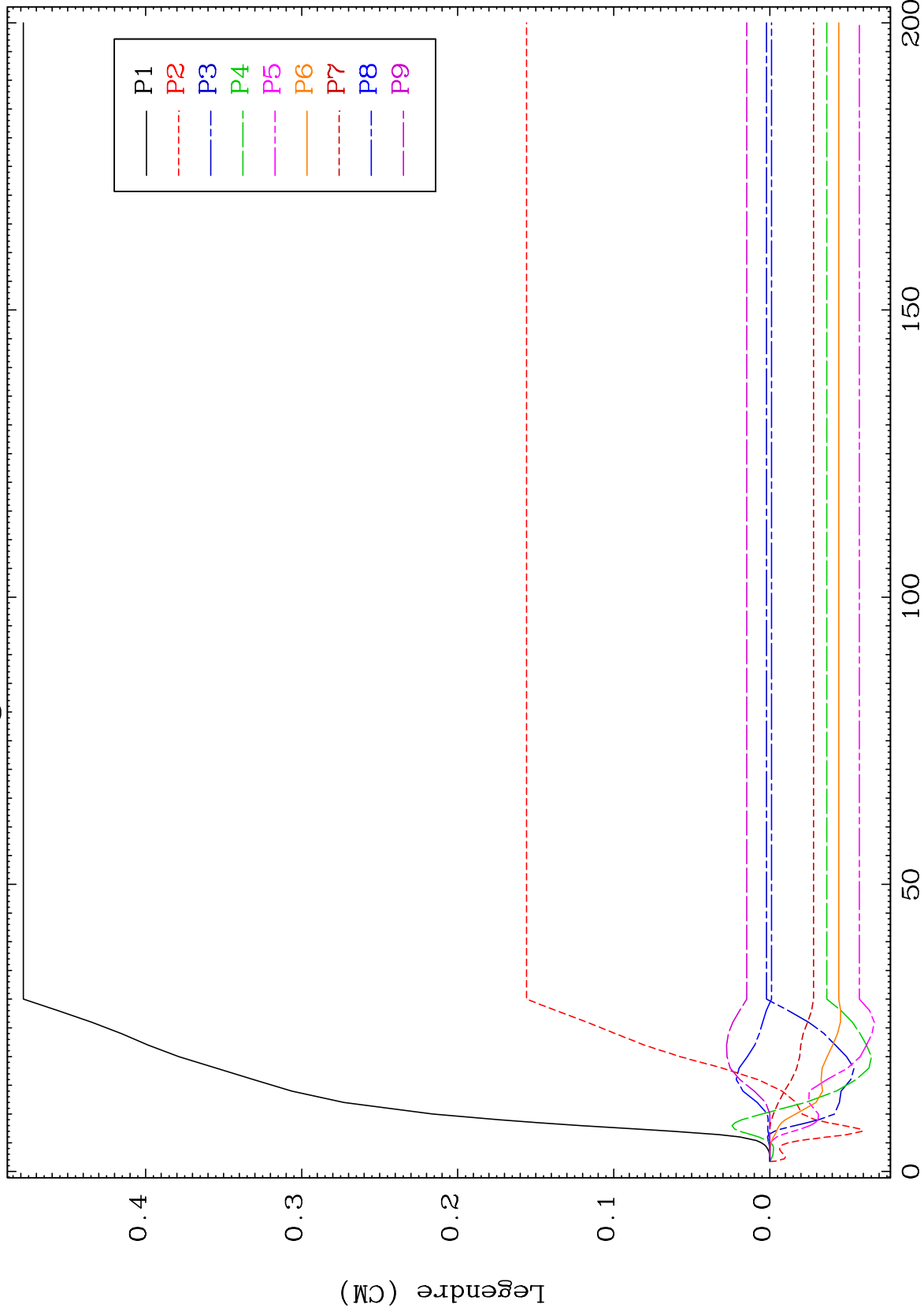
64-Gd-147



MAT 6410

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

64-Gd-147



71

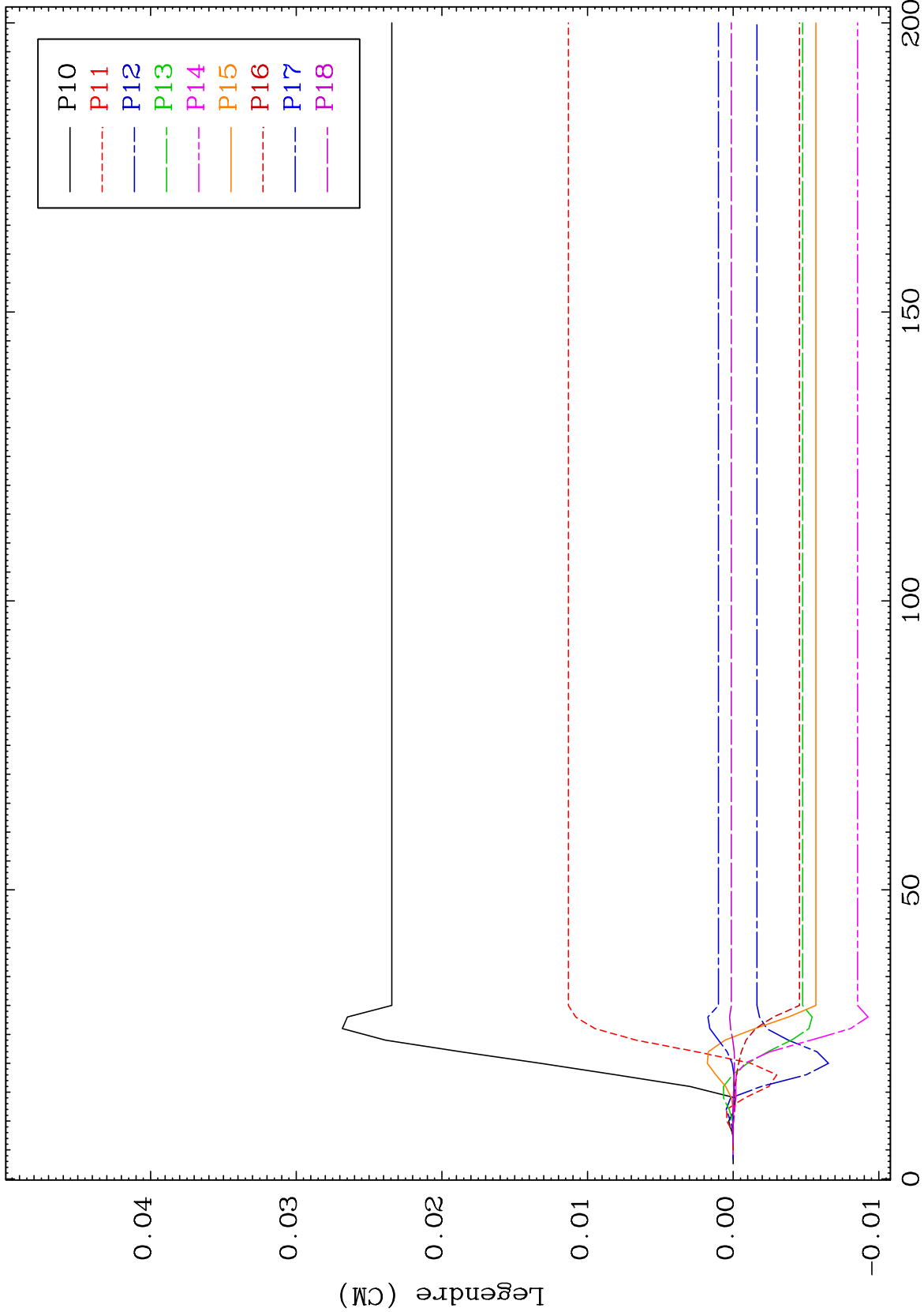
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



72

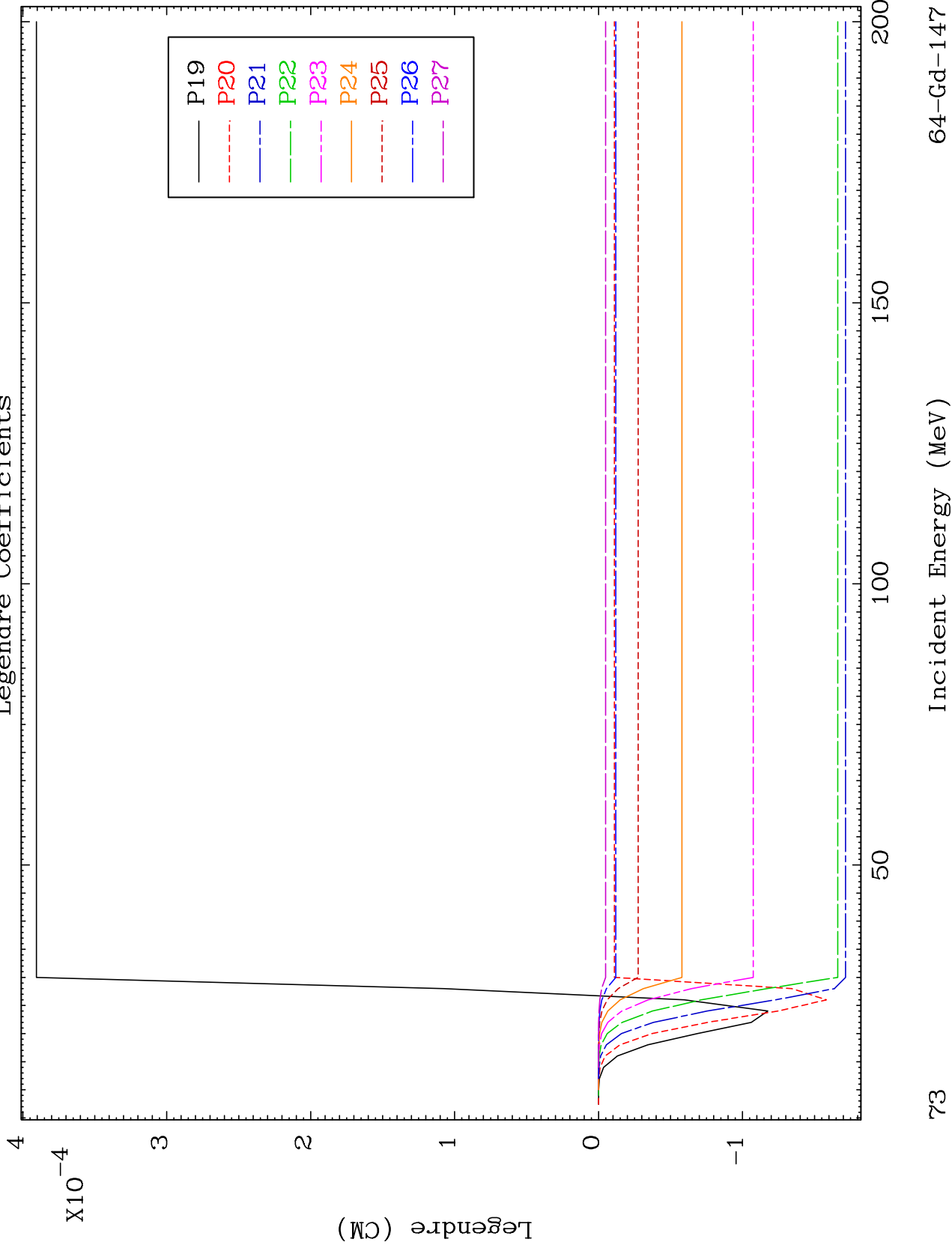
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

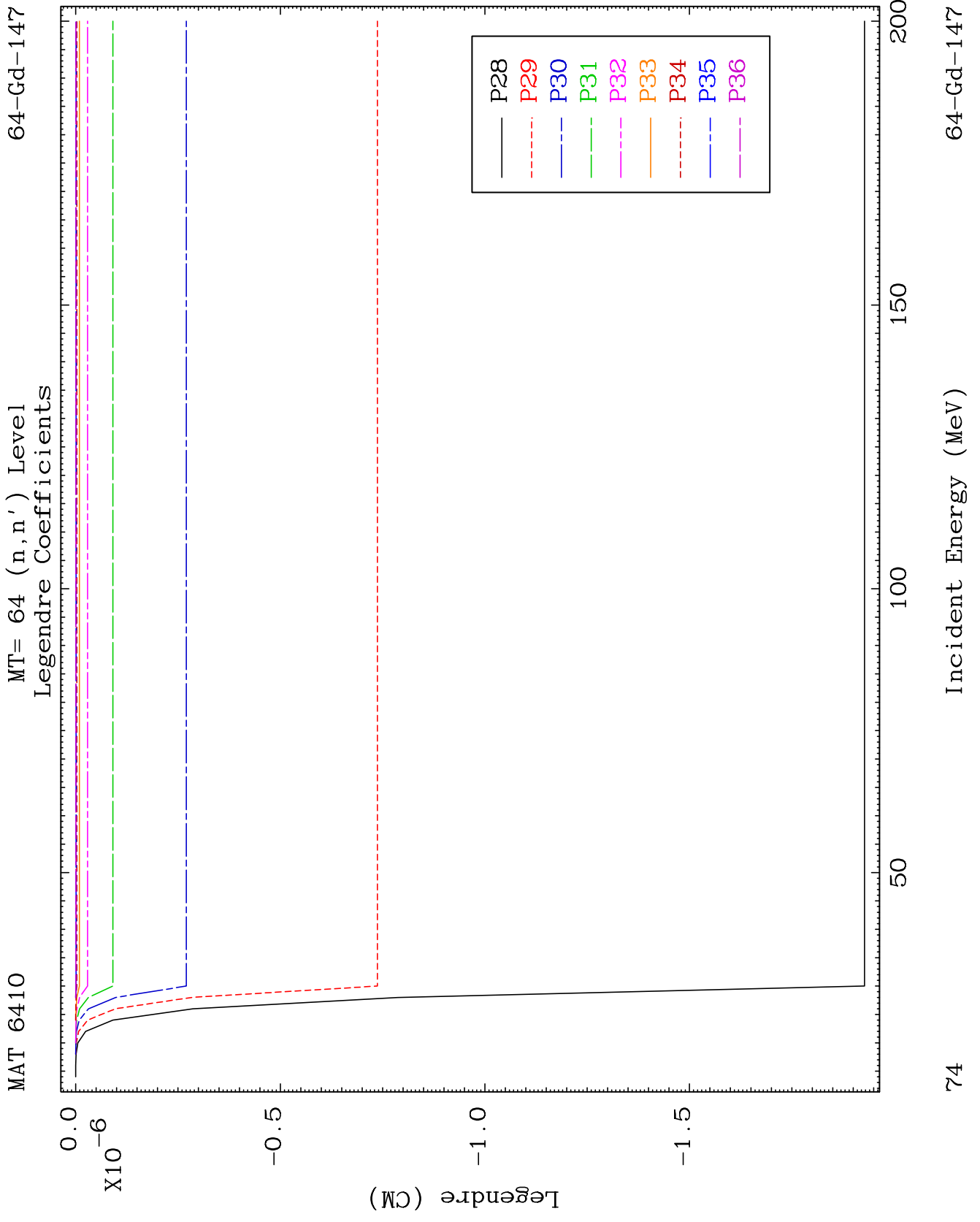
64-Gd-147



73

Incident Energy (MeV)

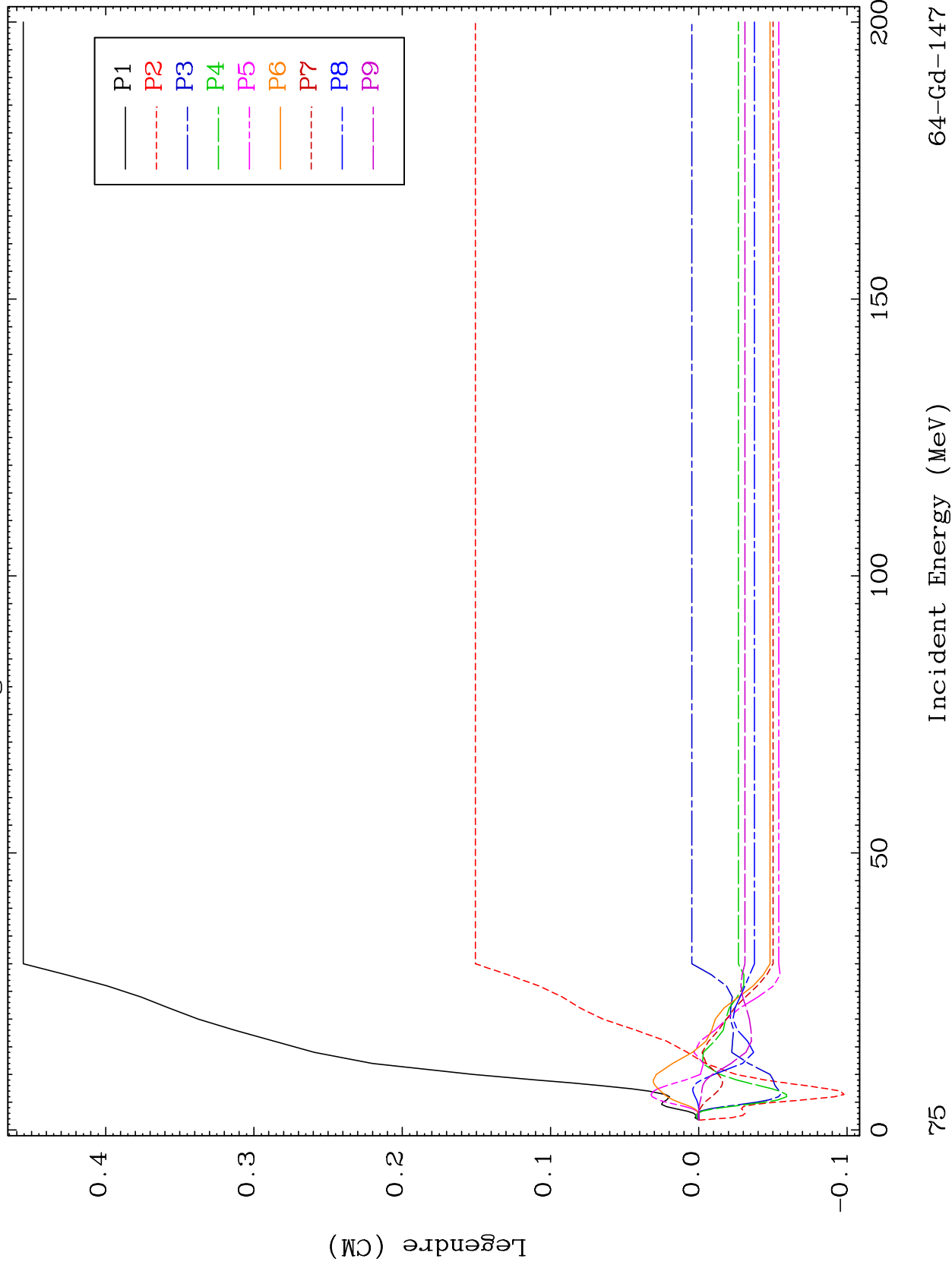
64-Gd-147



MAT 6410

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

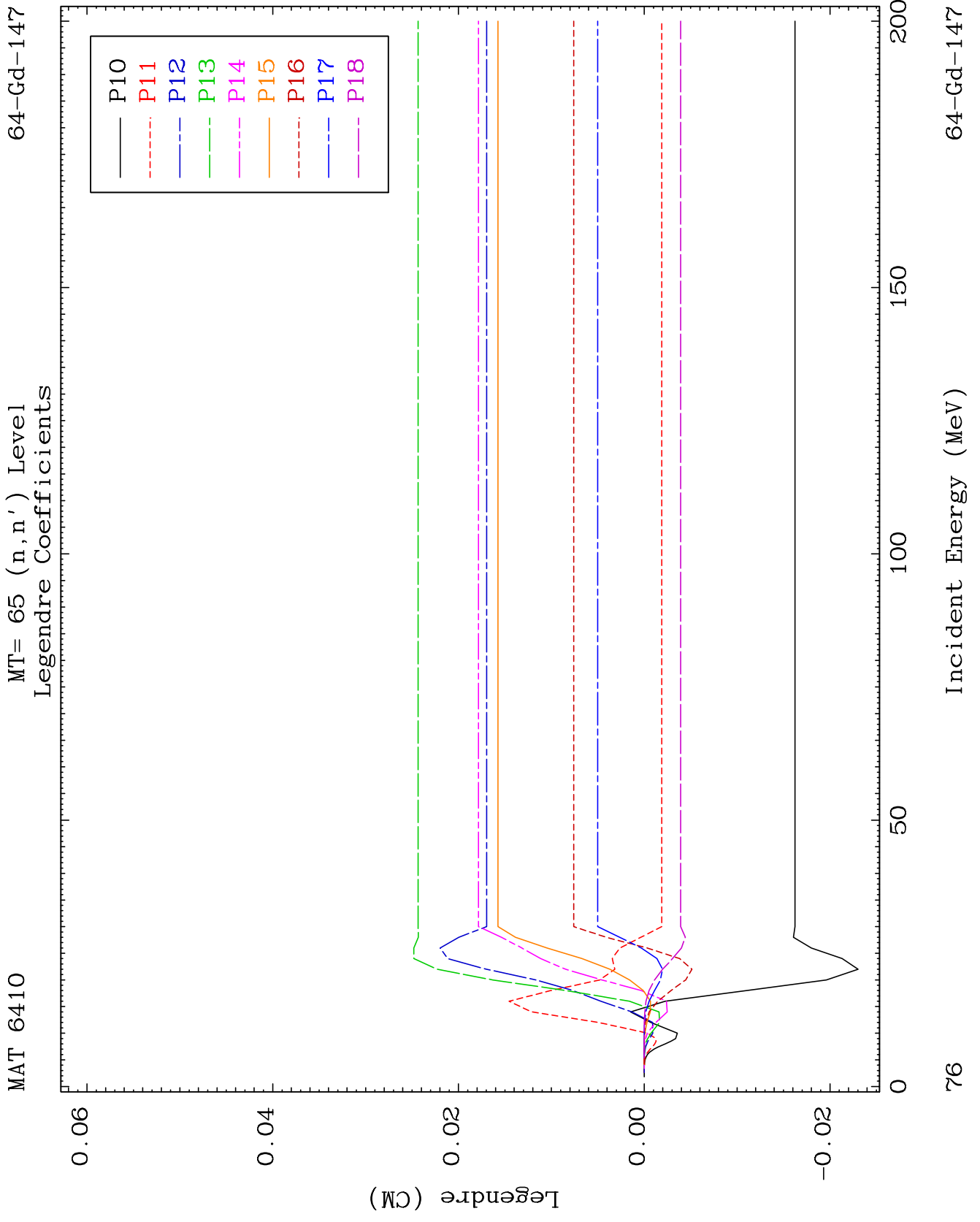
64-Gd-147



64-Gd-147

Incident Energy (MeV)

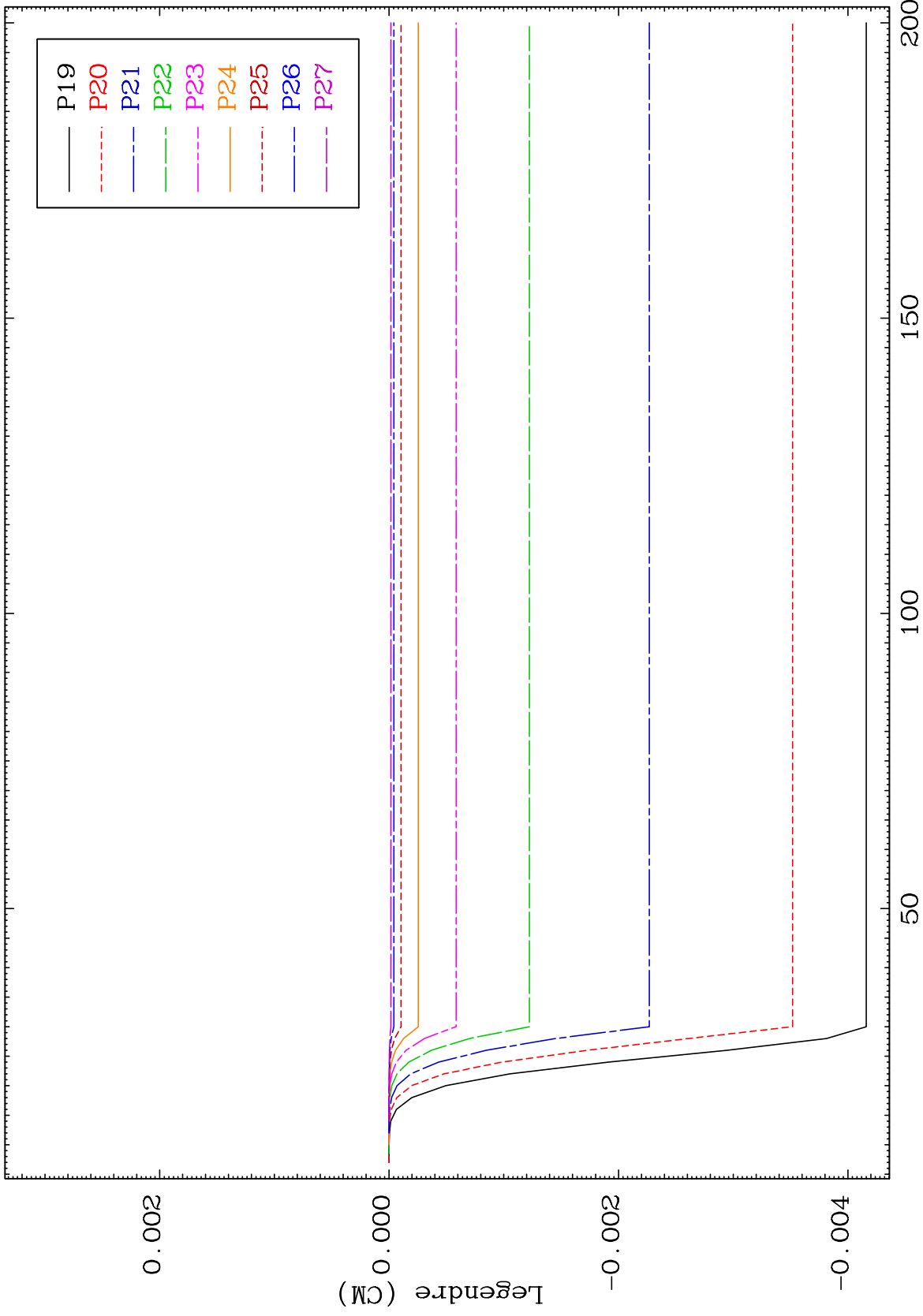
75



MAT 6410

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

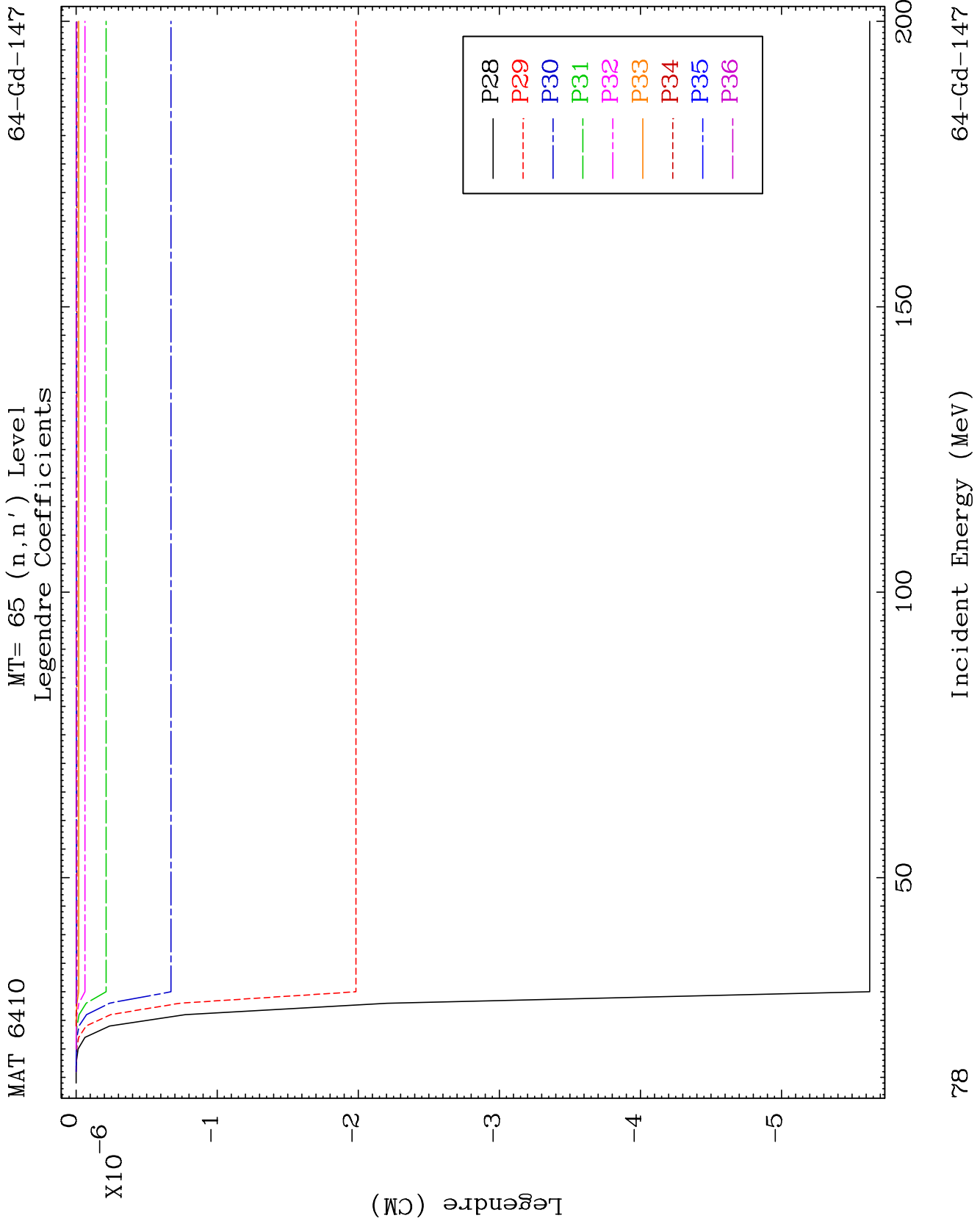
64-Gd-147



77

Incident Energy (MeV)

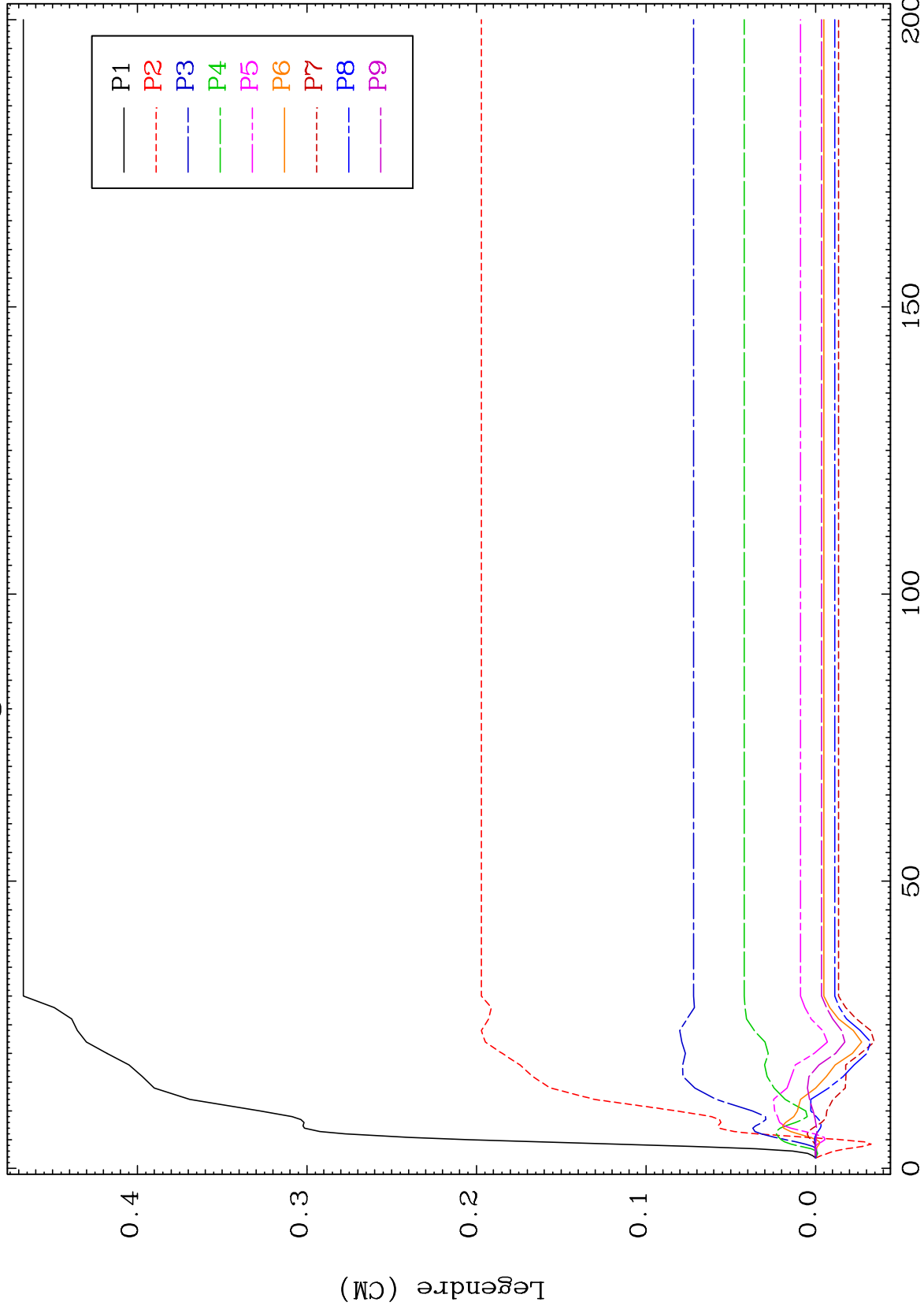
64-Gd-147



MAT 6410

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

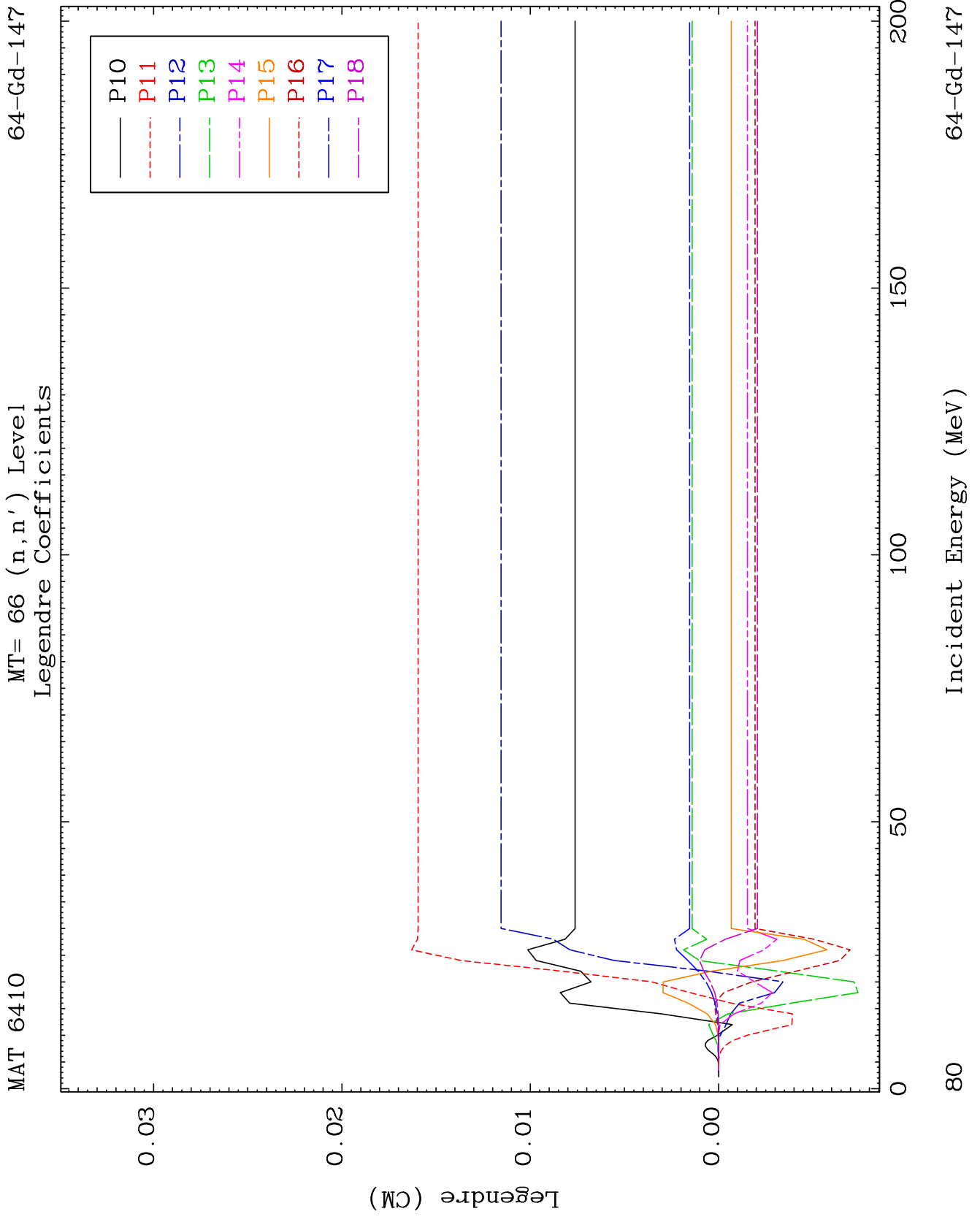
64-Gd-147



79

Incident Energy (MeV)

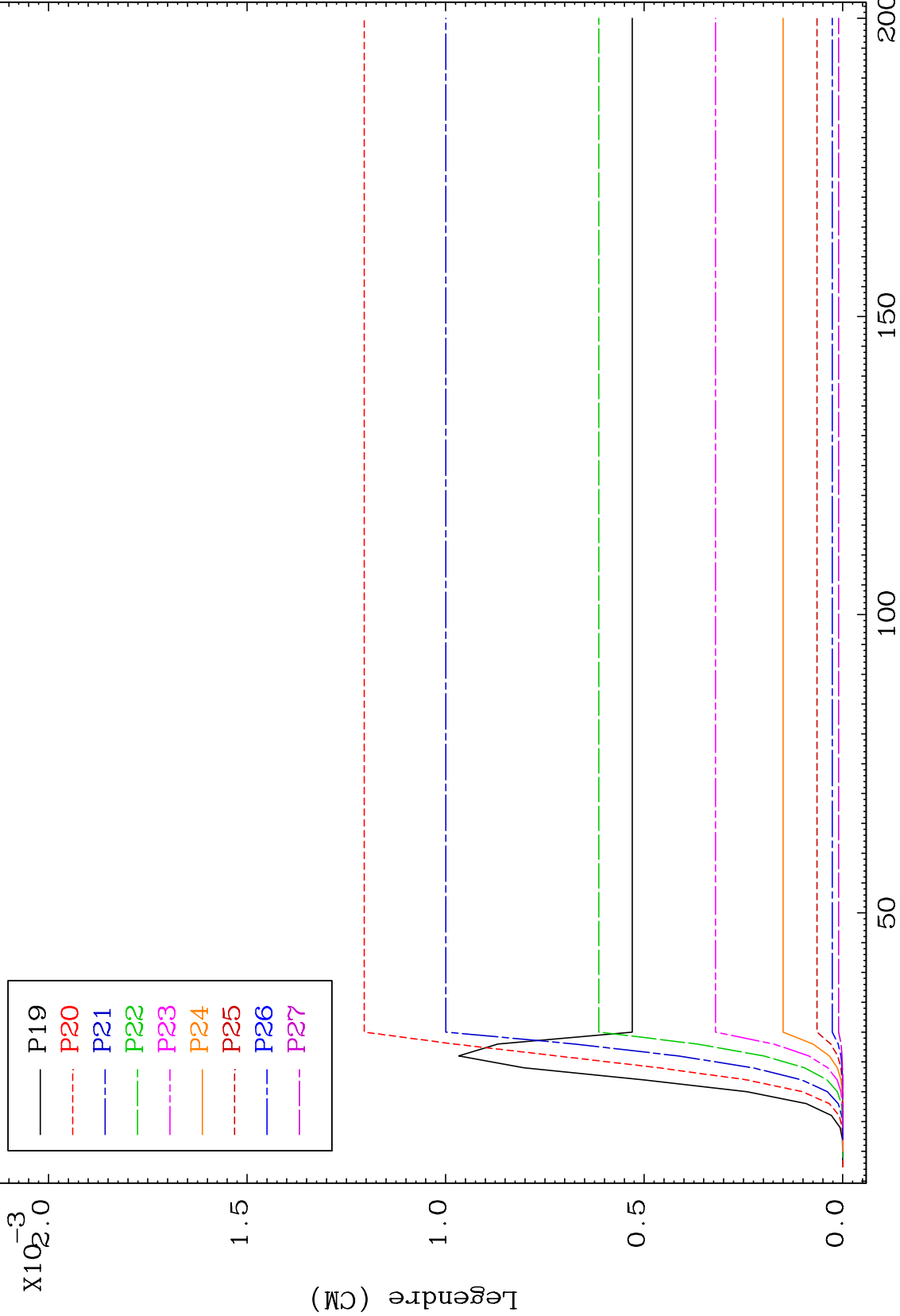
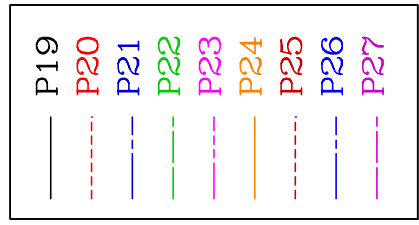
64-Gd-147



MAT 6410

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

64-Gd-147



81

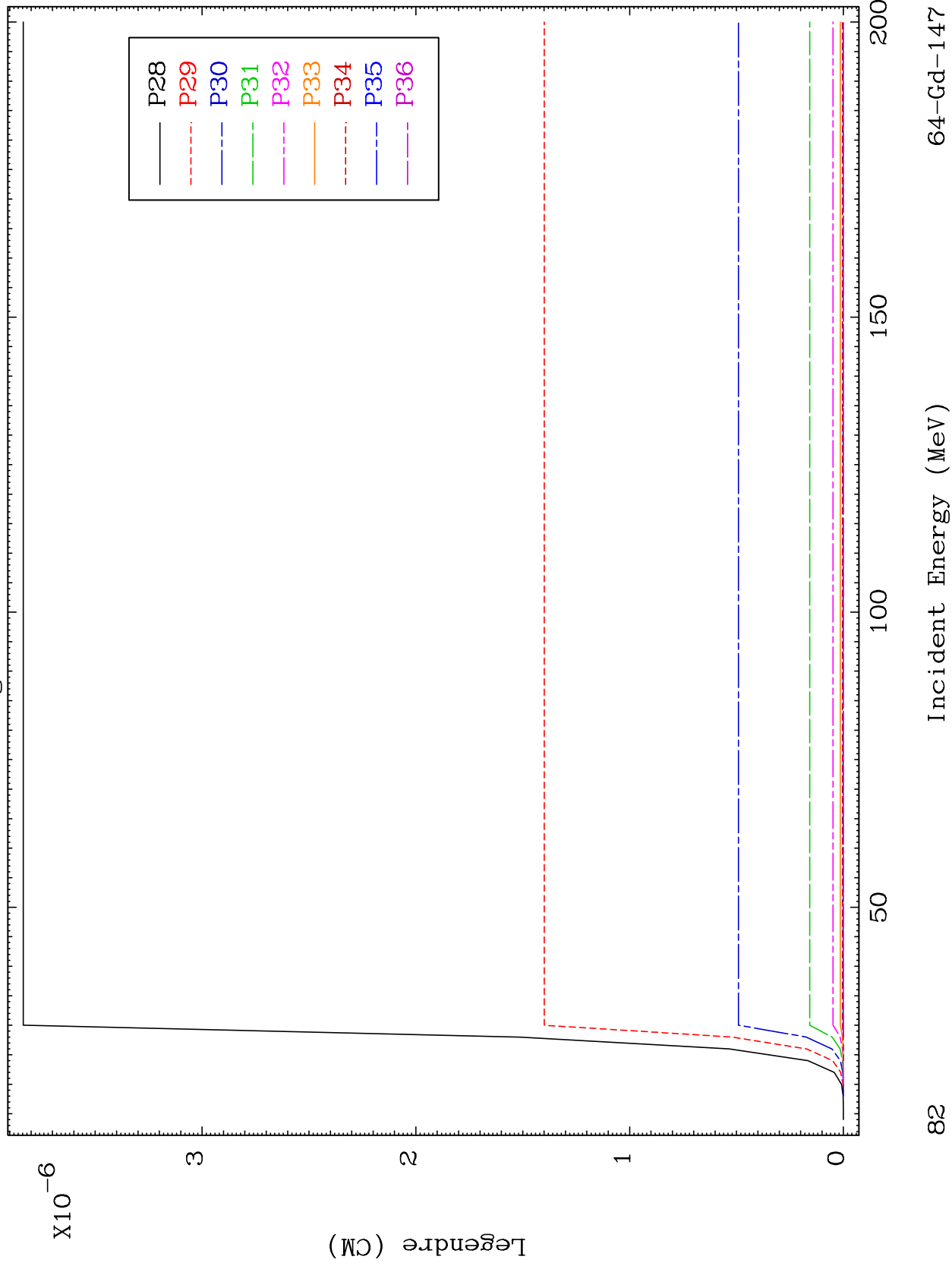
Incident Energy (MeV)

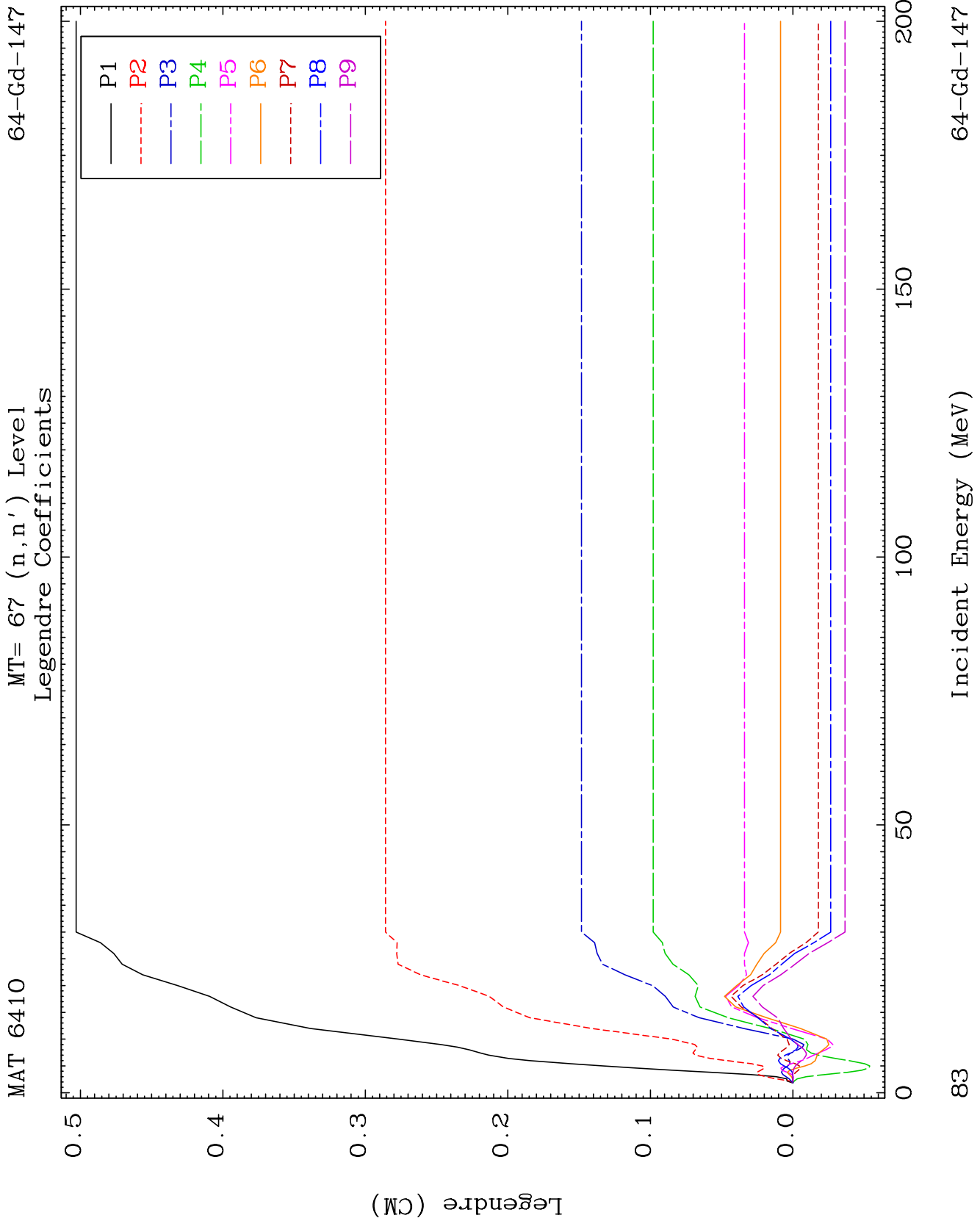
64-Gd-147

MAT 6410

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

64-Gd-147

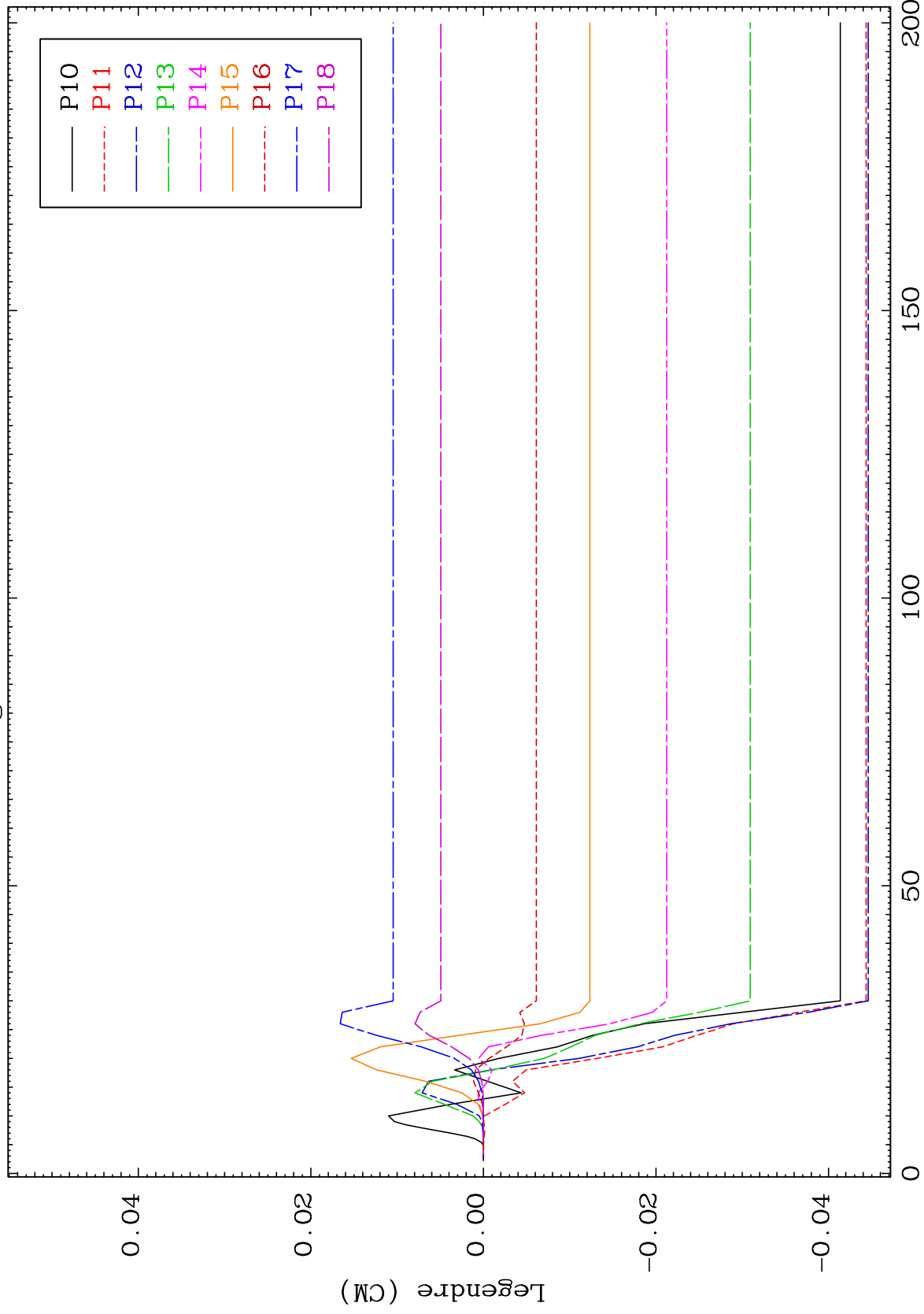




MAT 6410

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

64-Gd-147



84

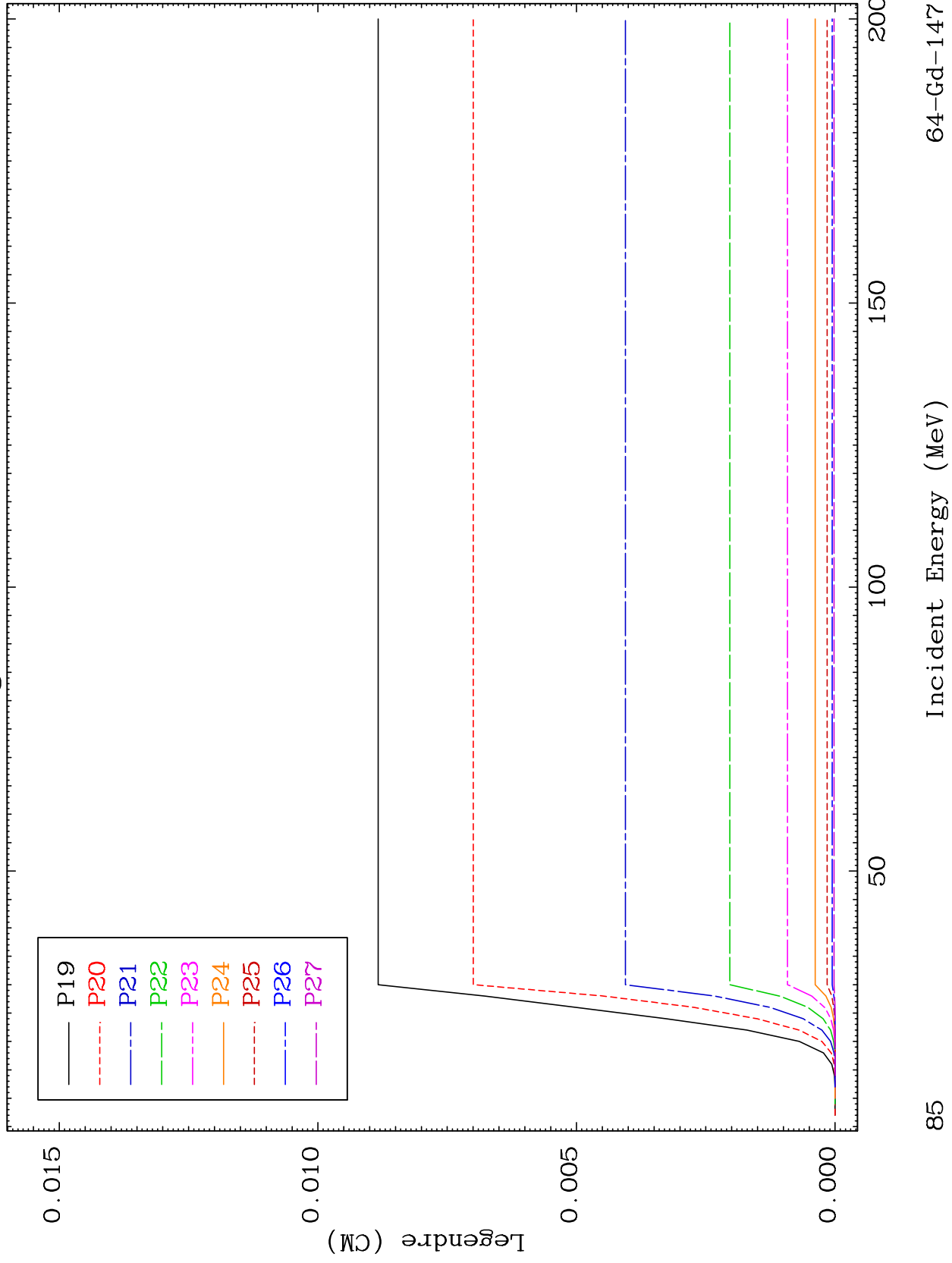
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



85

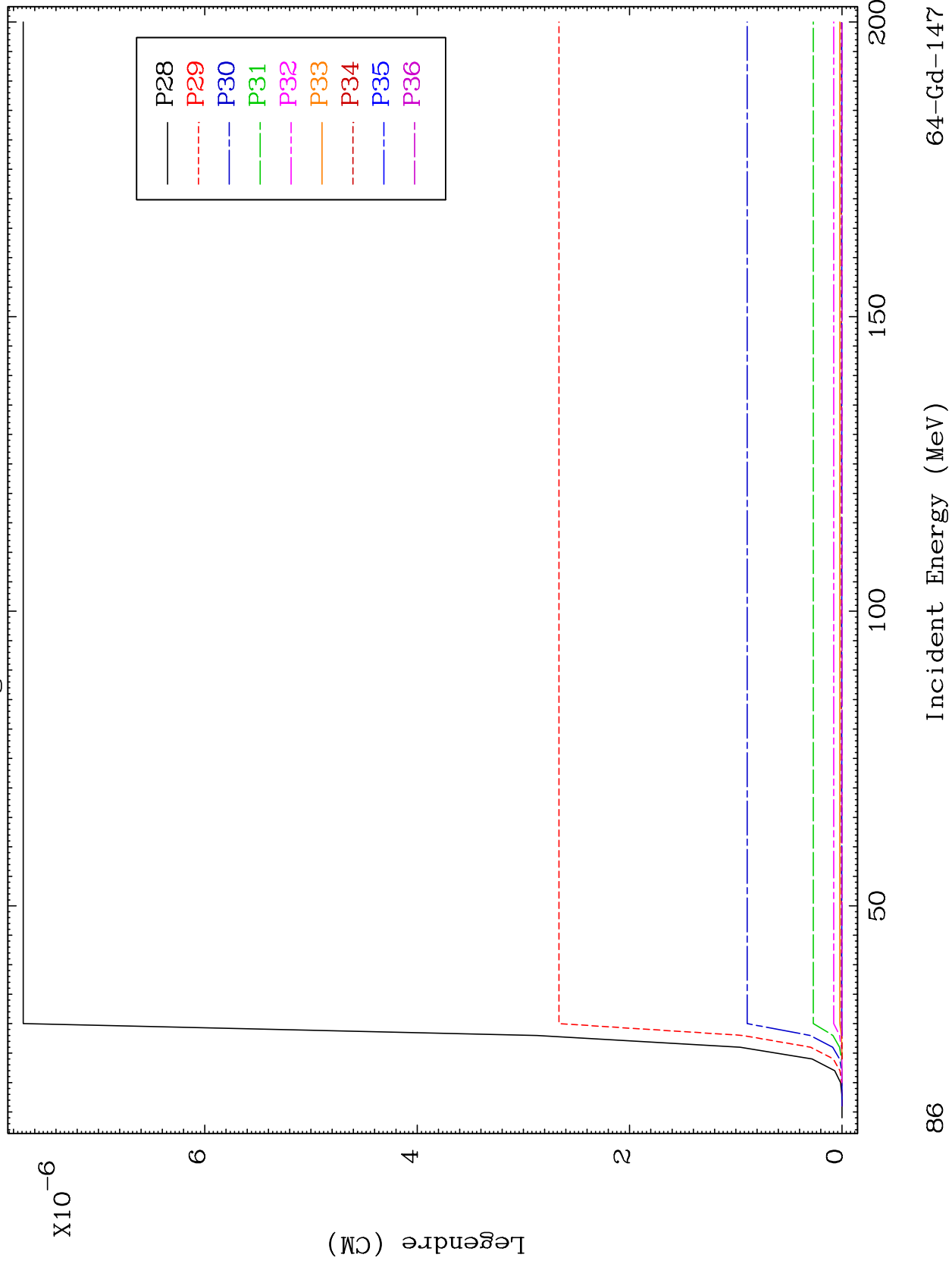
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



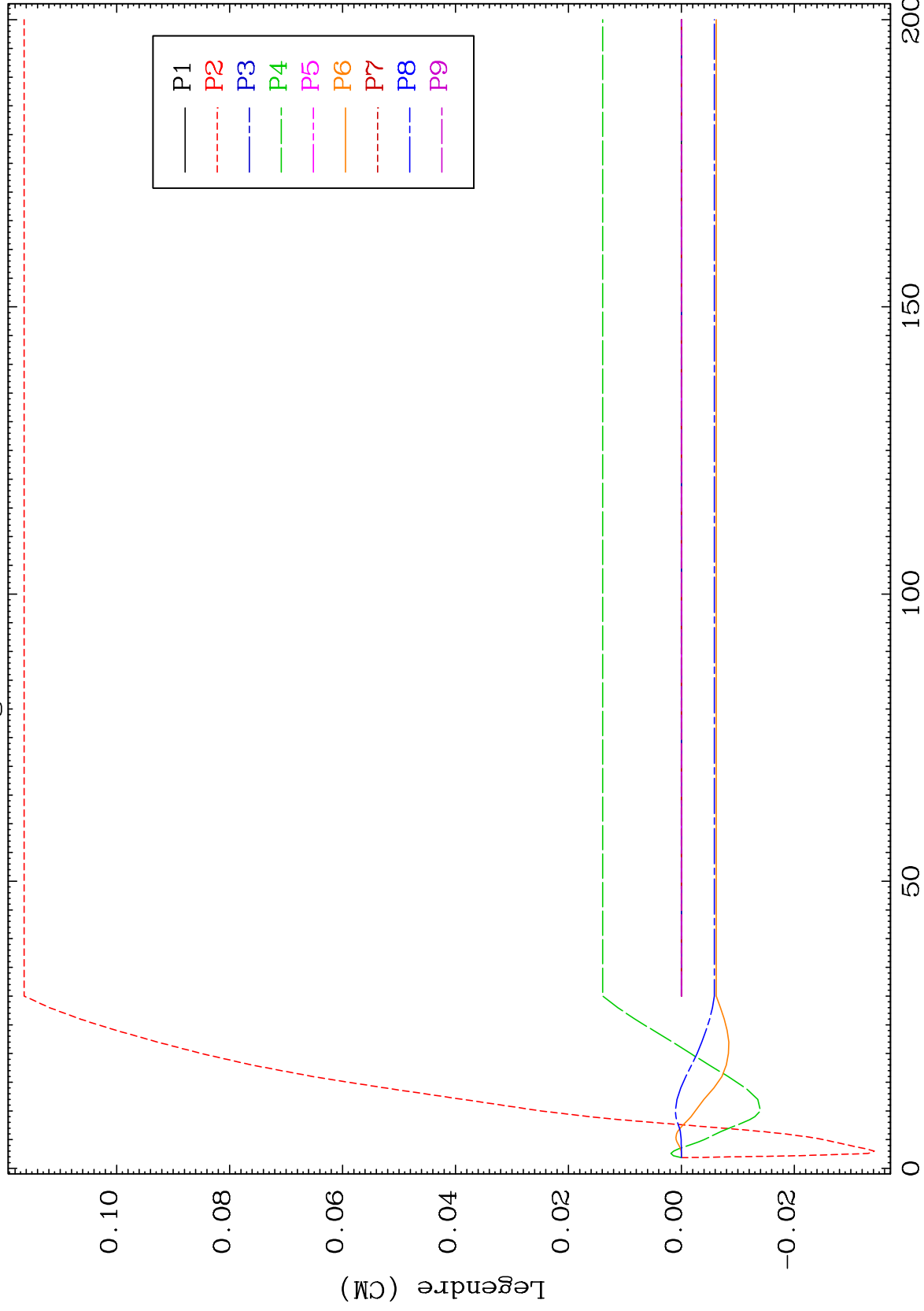
86

64-Gd-147

MAT 6410

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

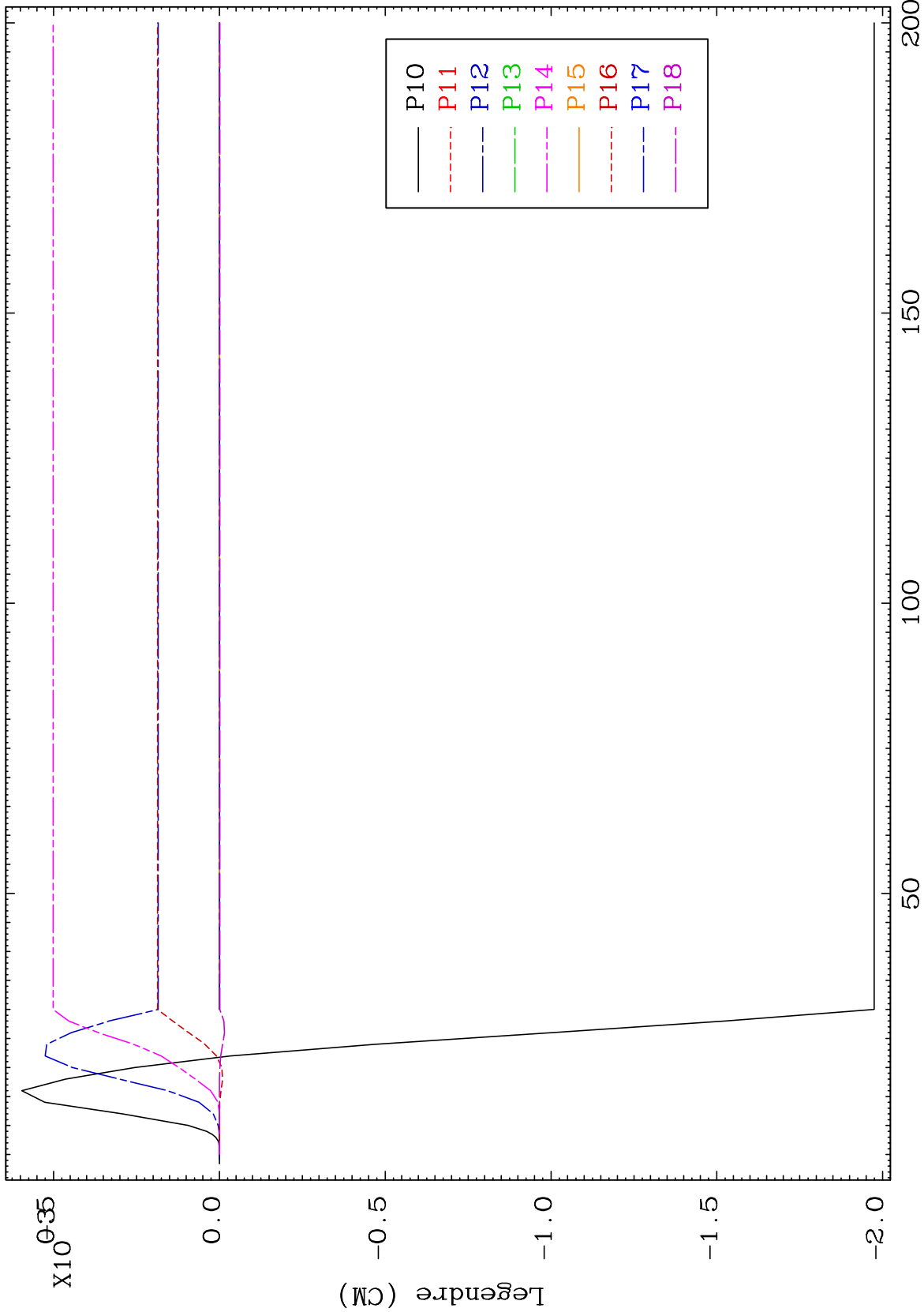
64-Gd-147

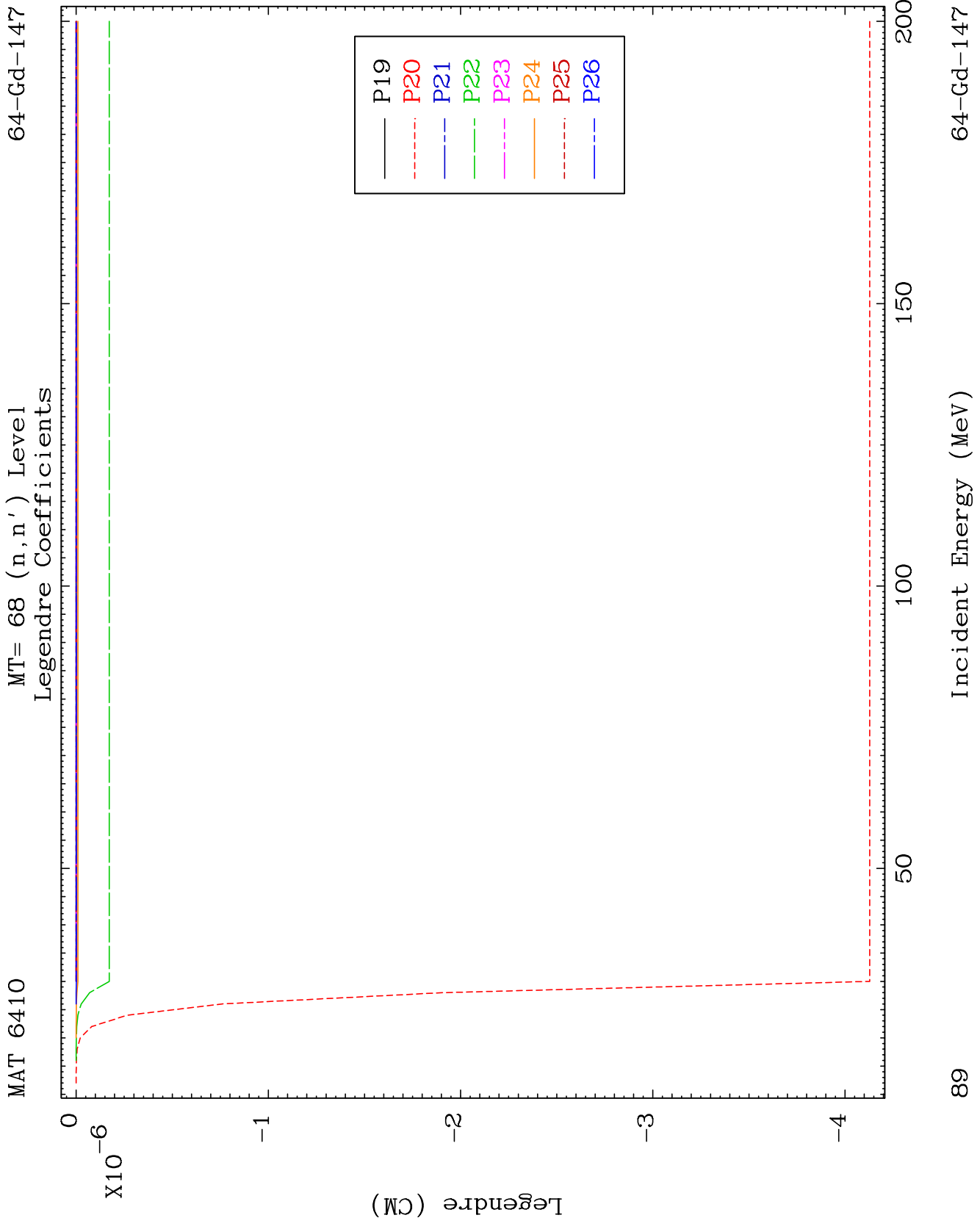


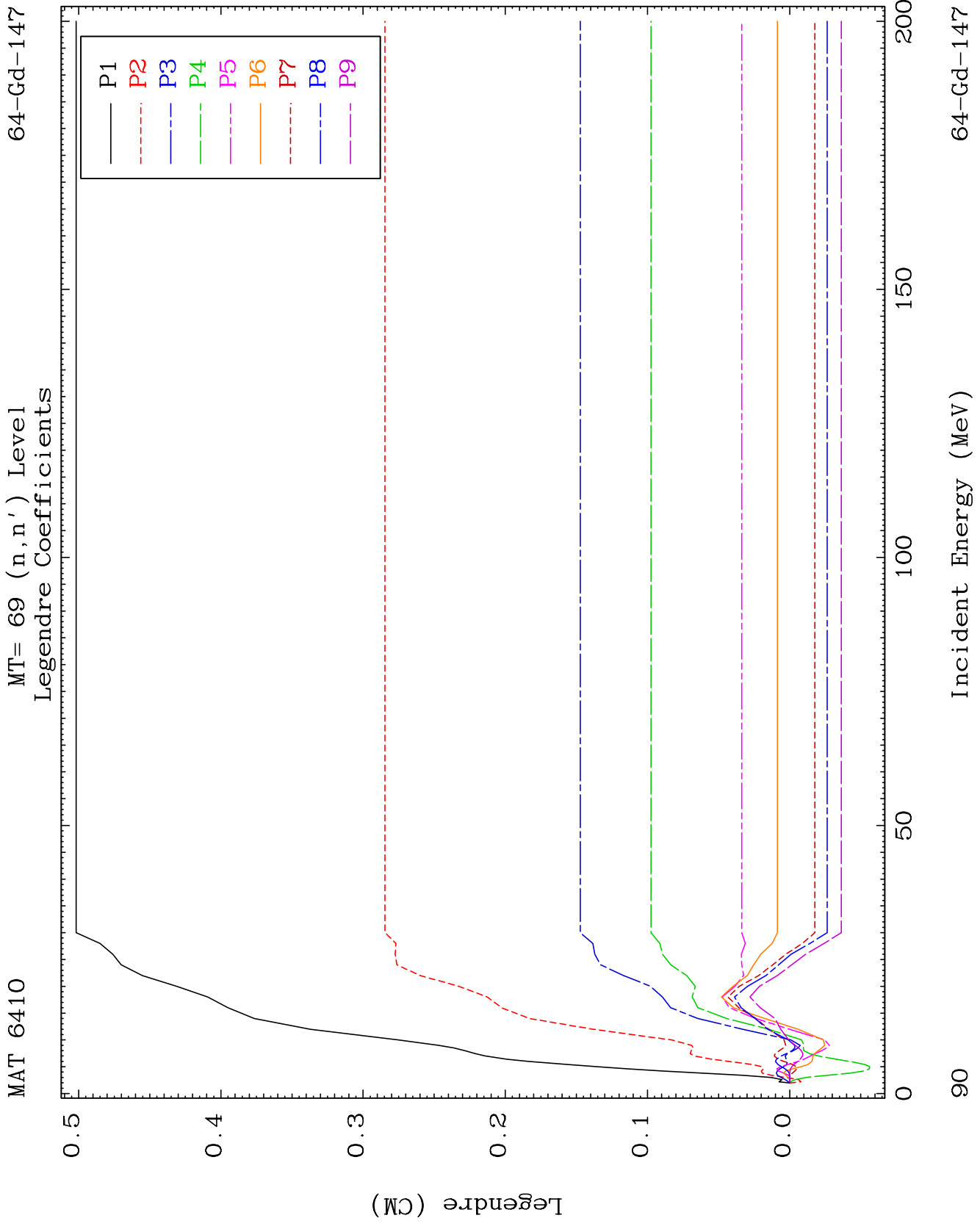
87

Incident Energy (MeV)

64-Gd-147



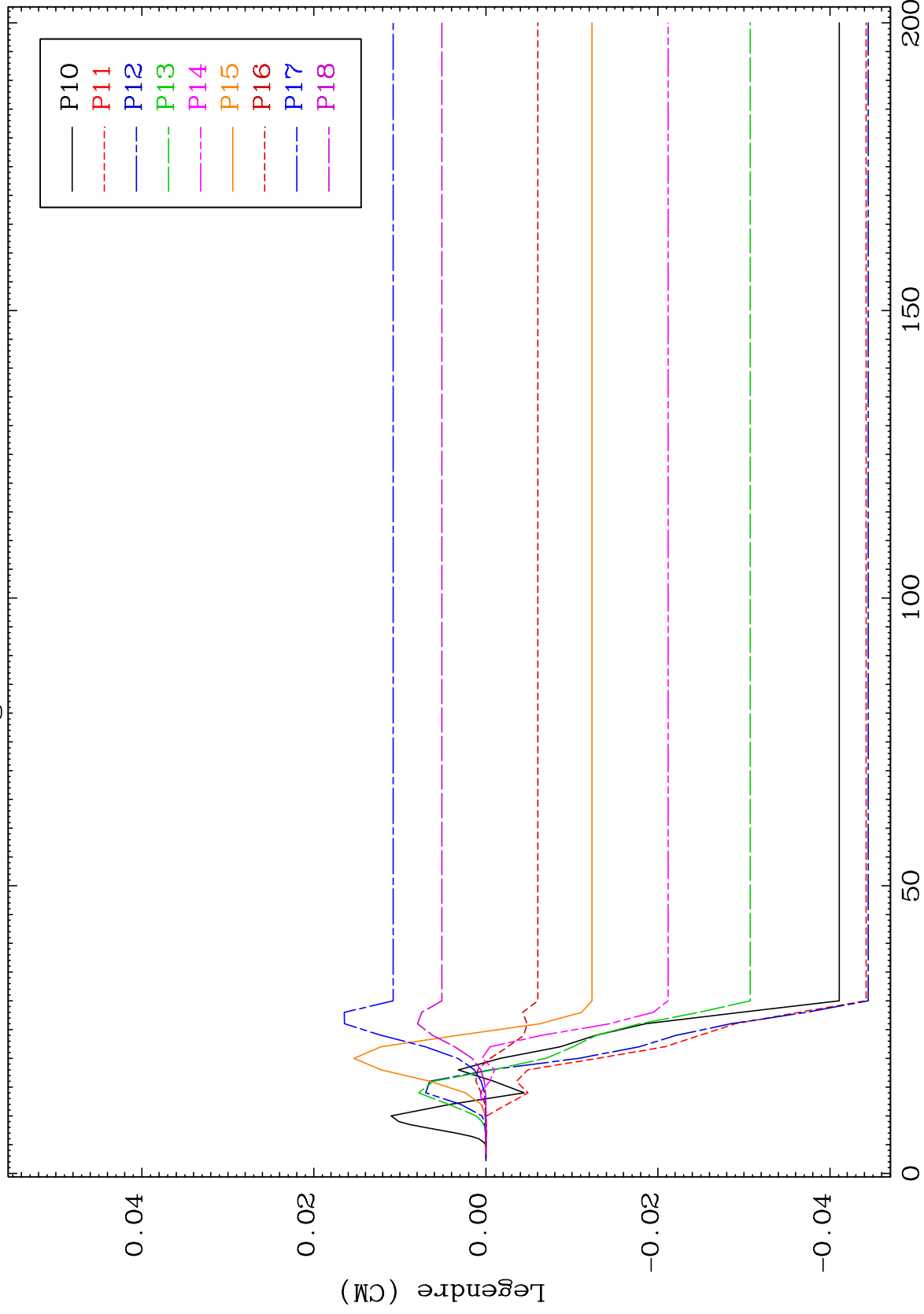




MAT 6410

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

64-Gd-147



91

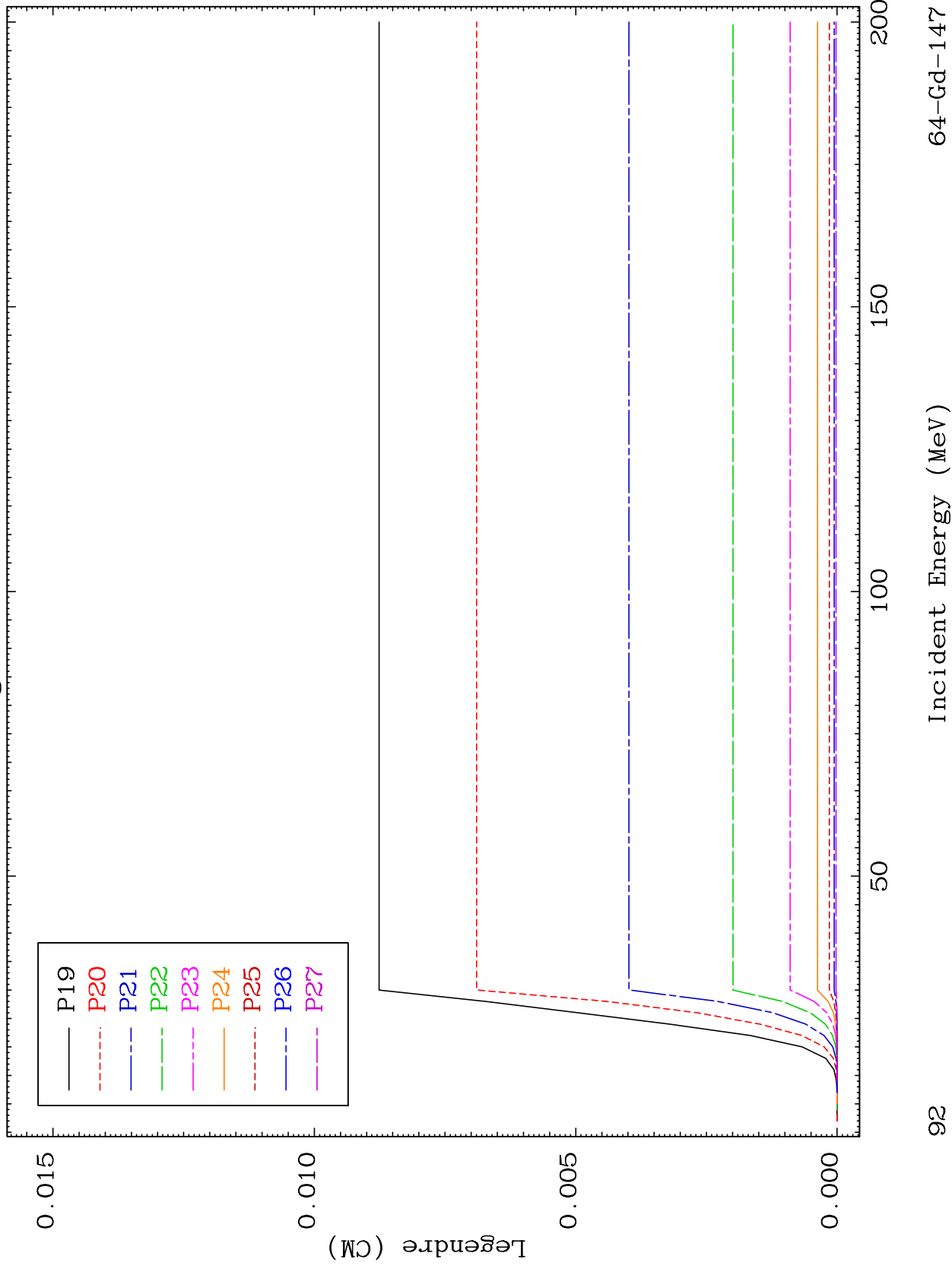
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



92

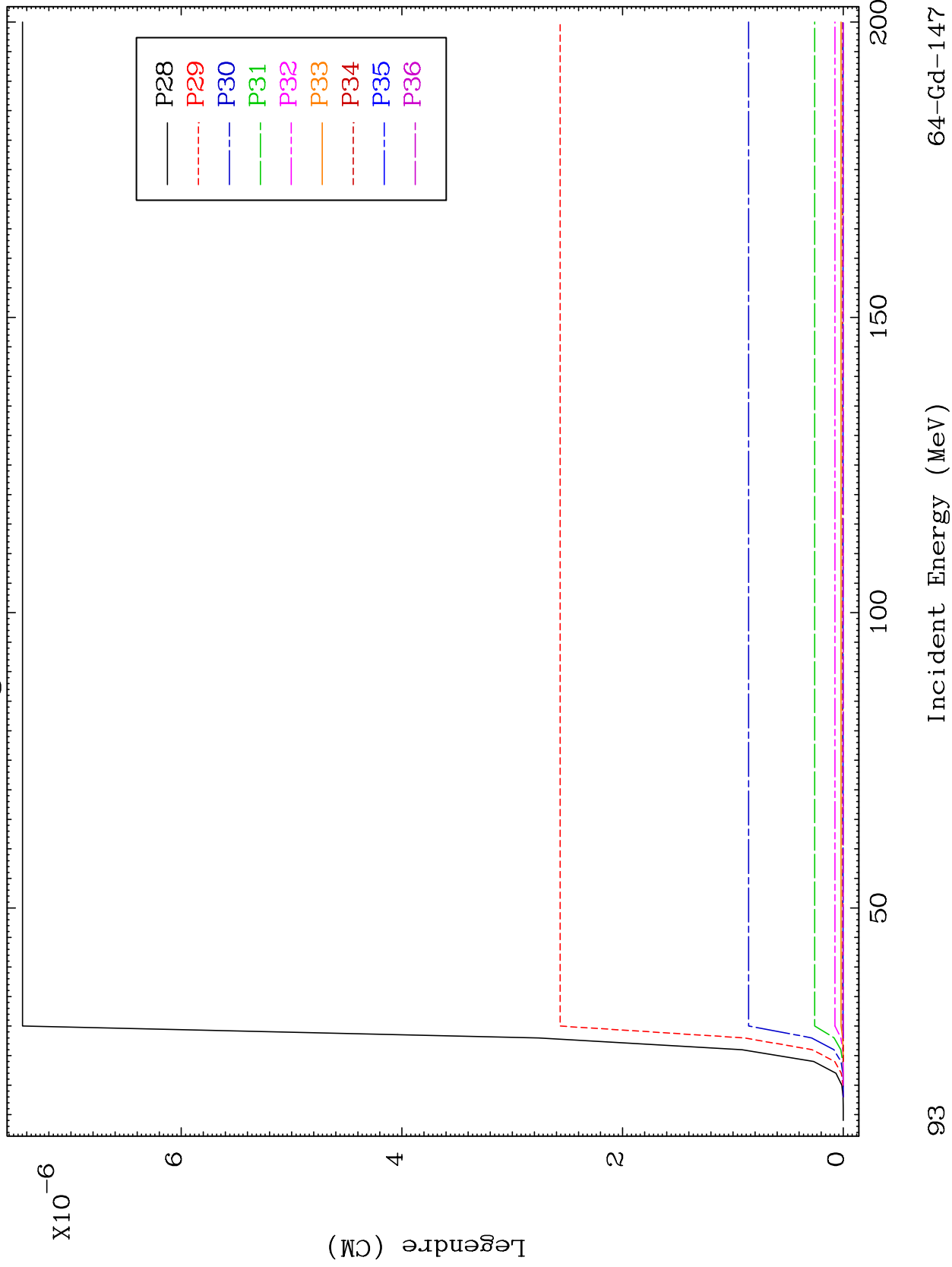
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

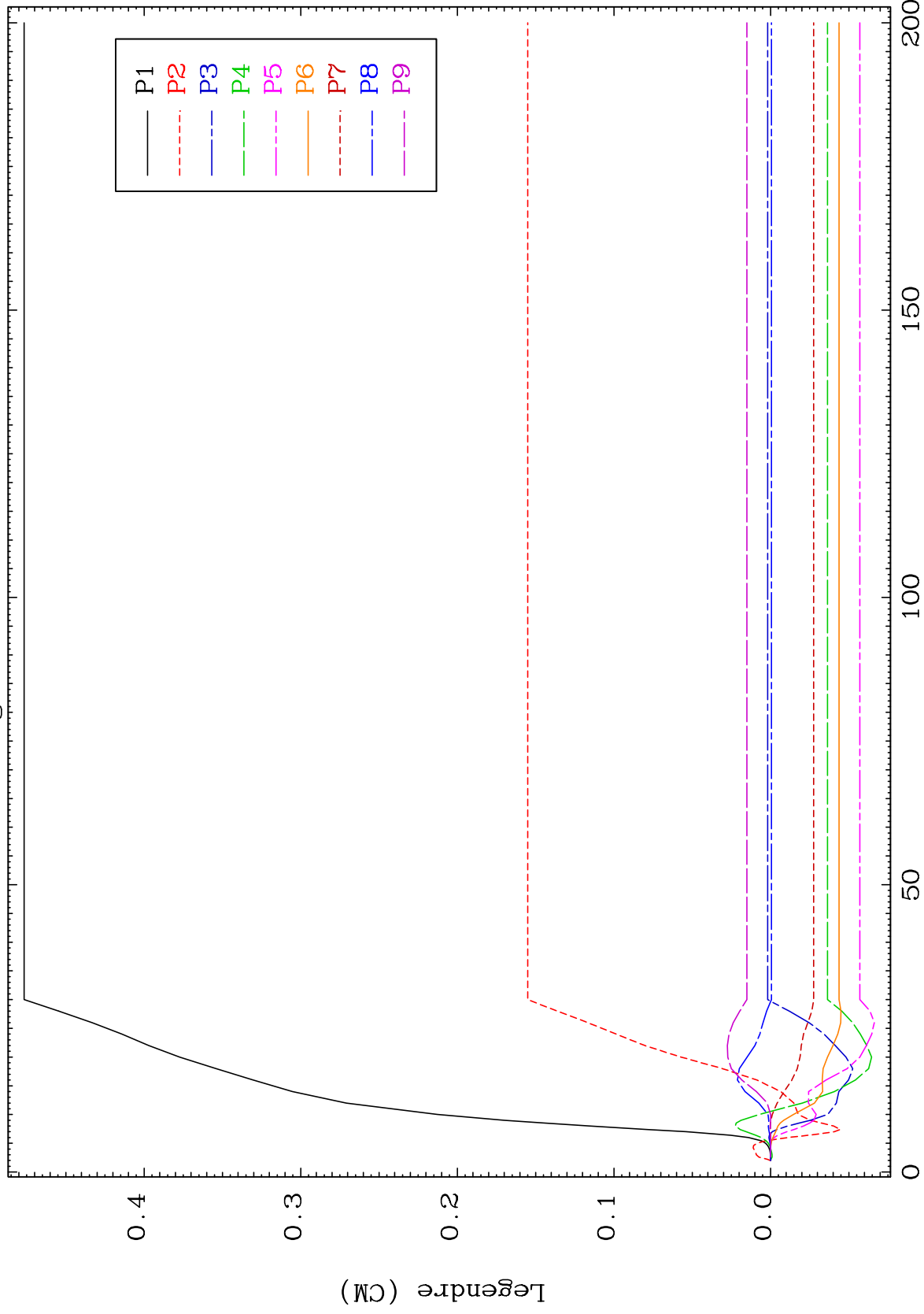
64-Gd-147



MAT 6410

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

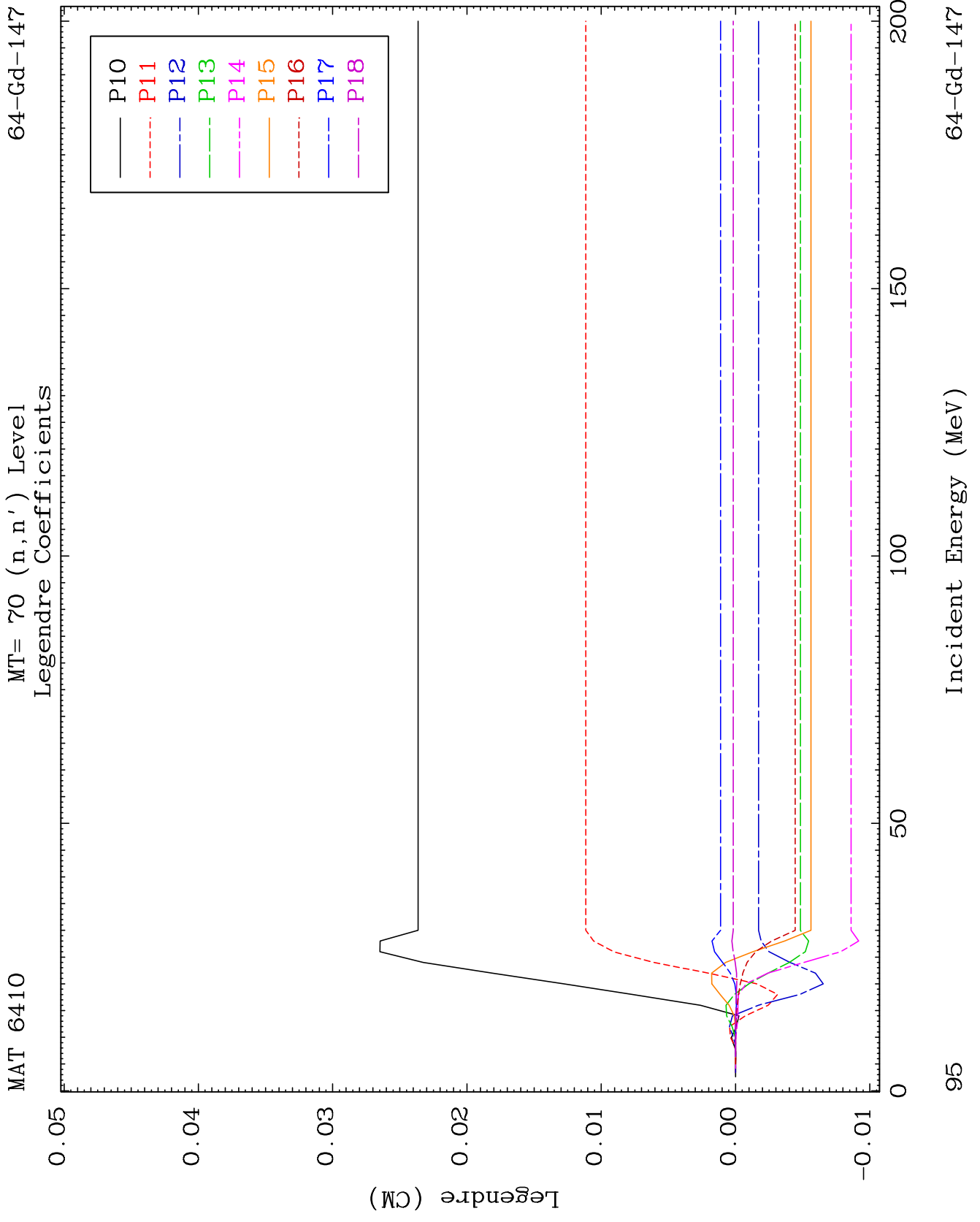
64-Gd-147

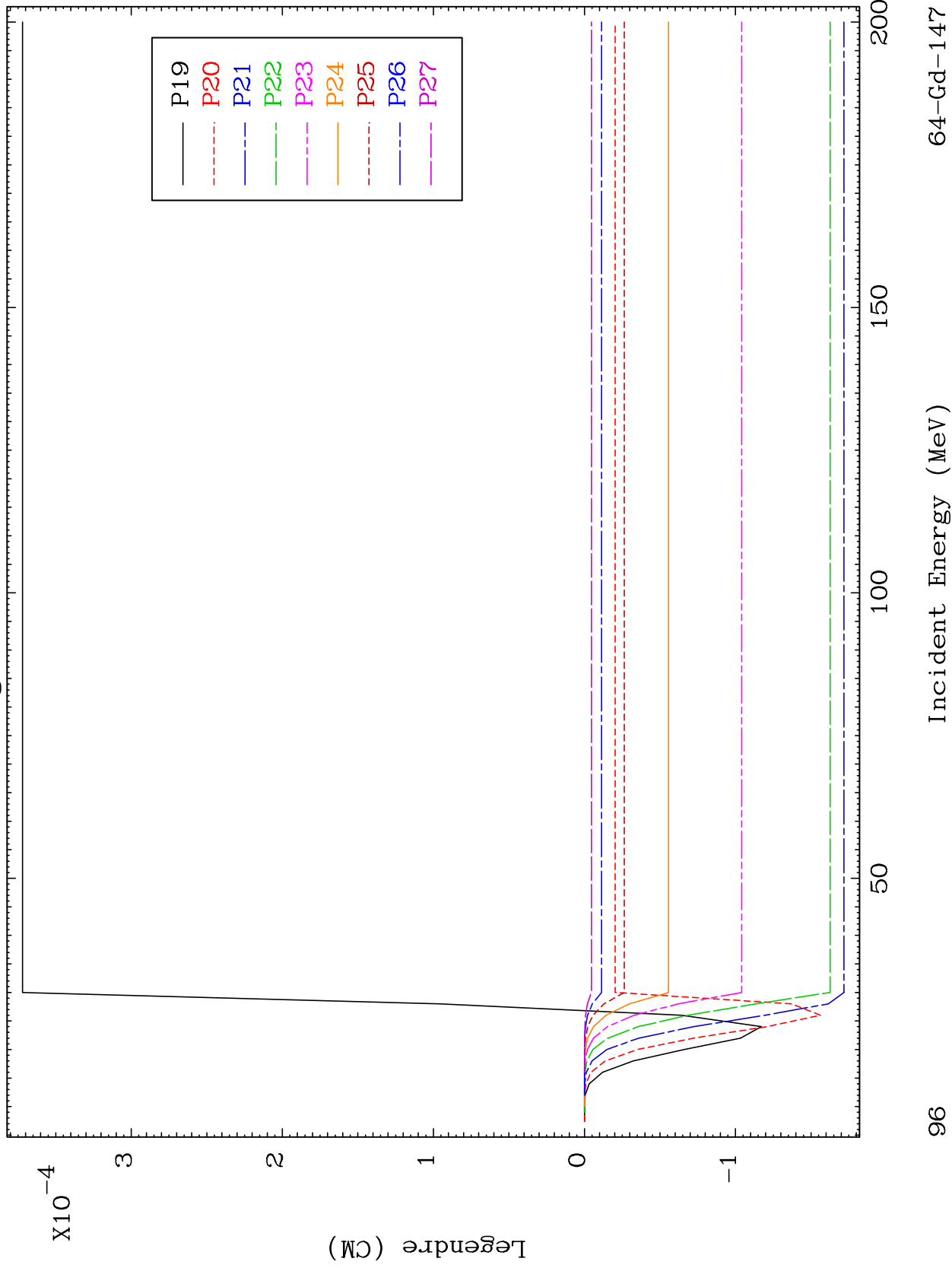


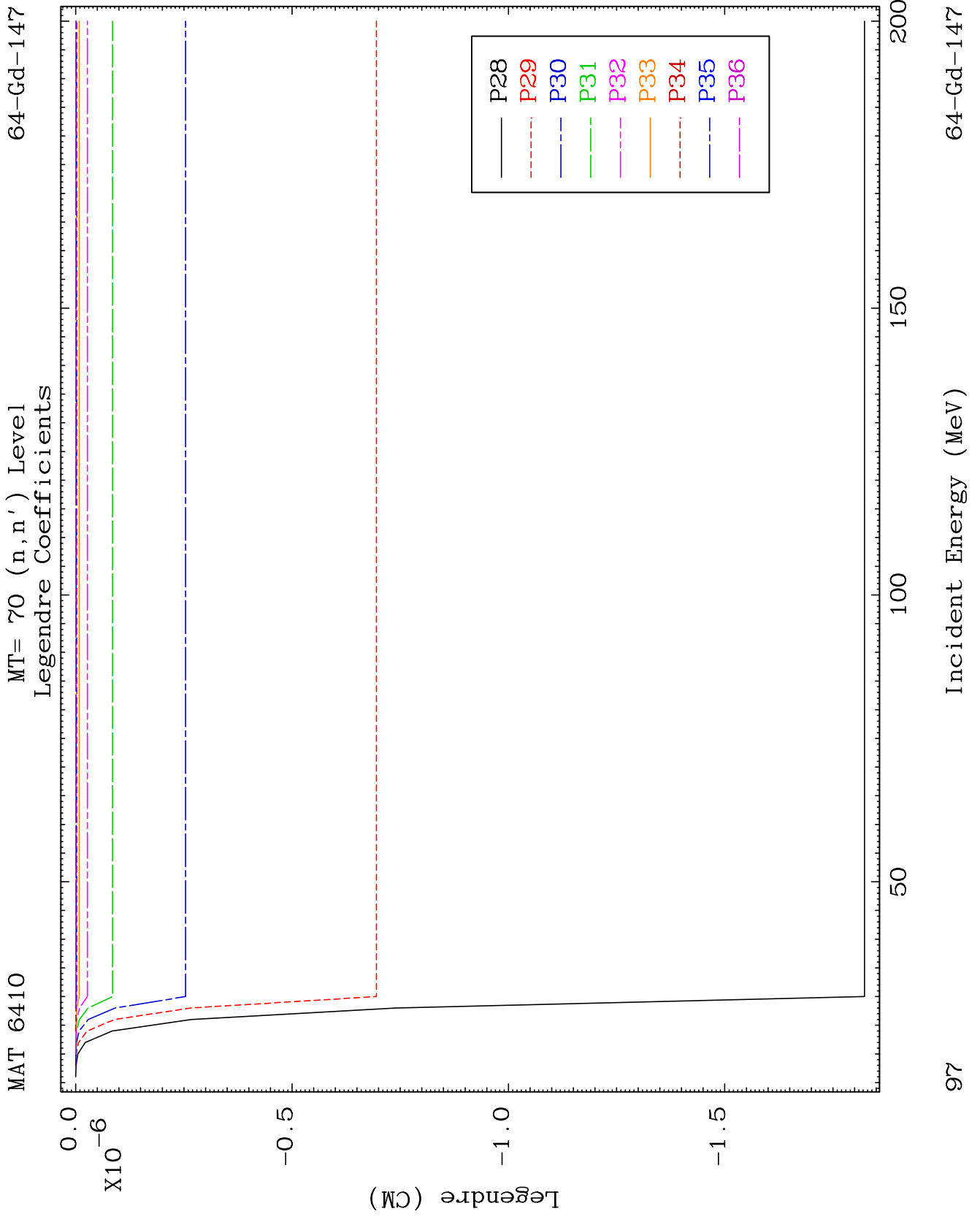
94

Incident Energy (MeV)

64-Gd-147



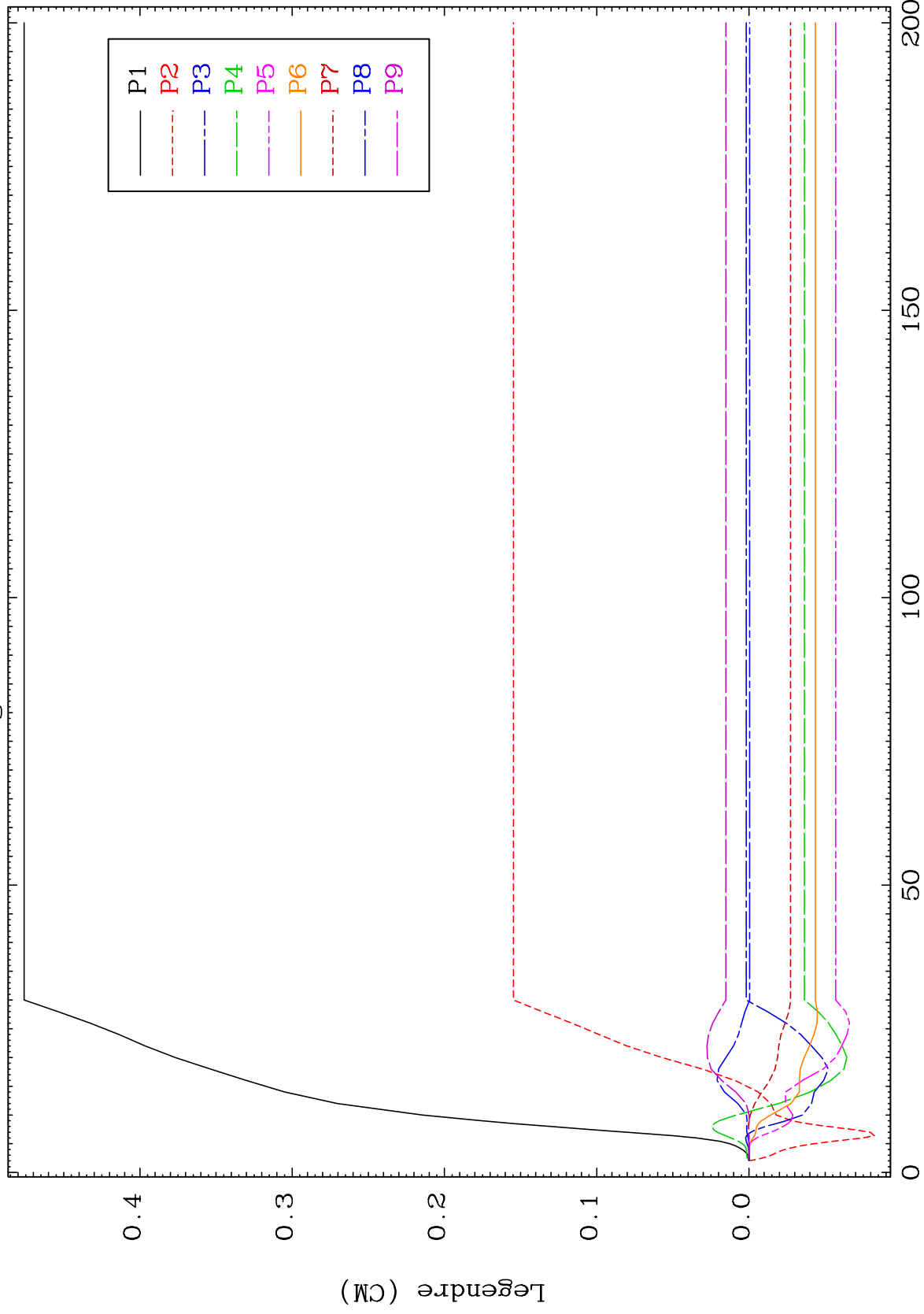




MAT 6410

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

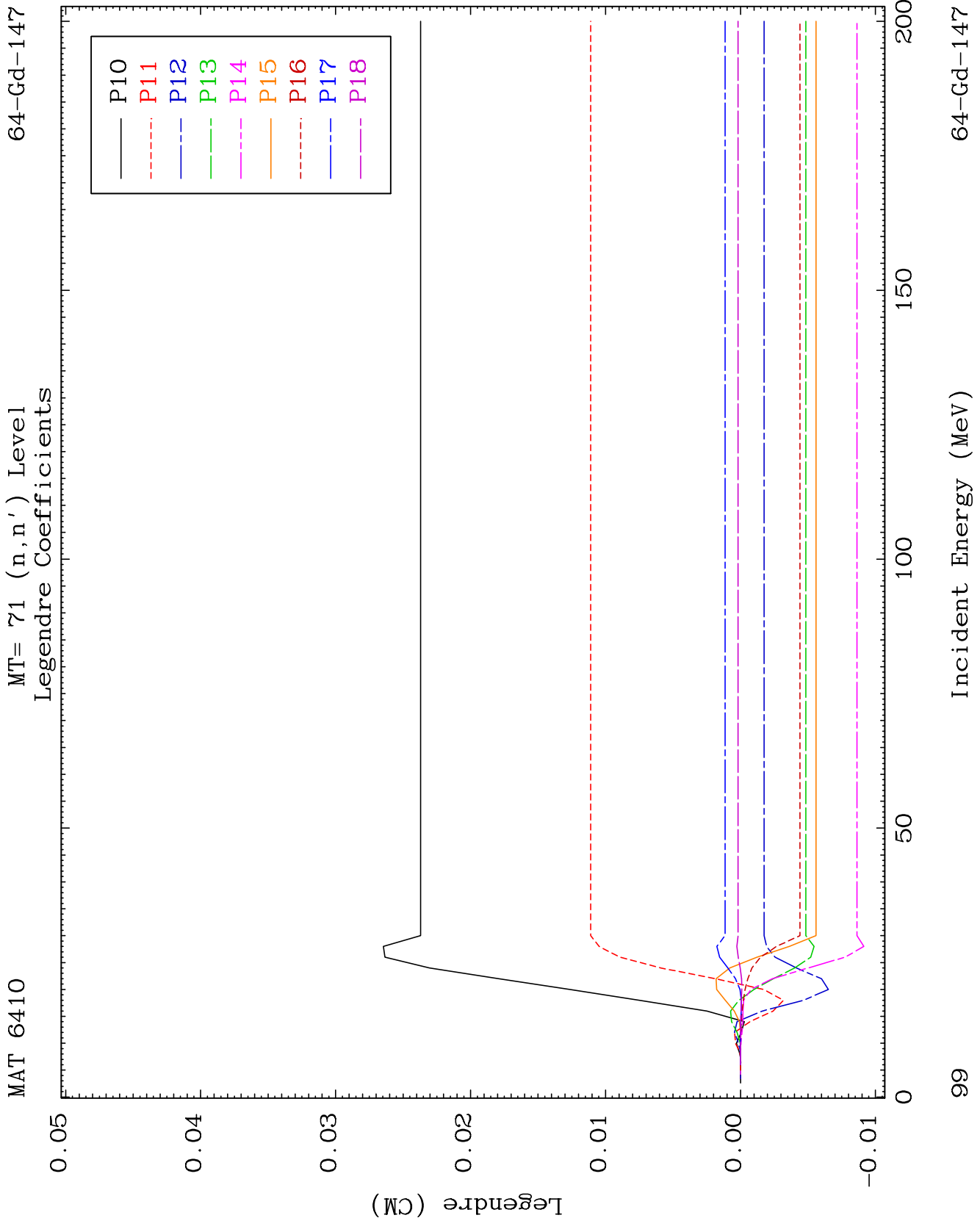
64-Gd-147



98

Incident Energy (MeV)

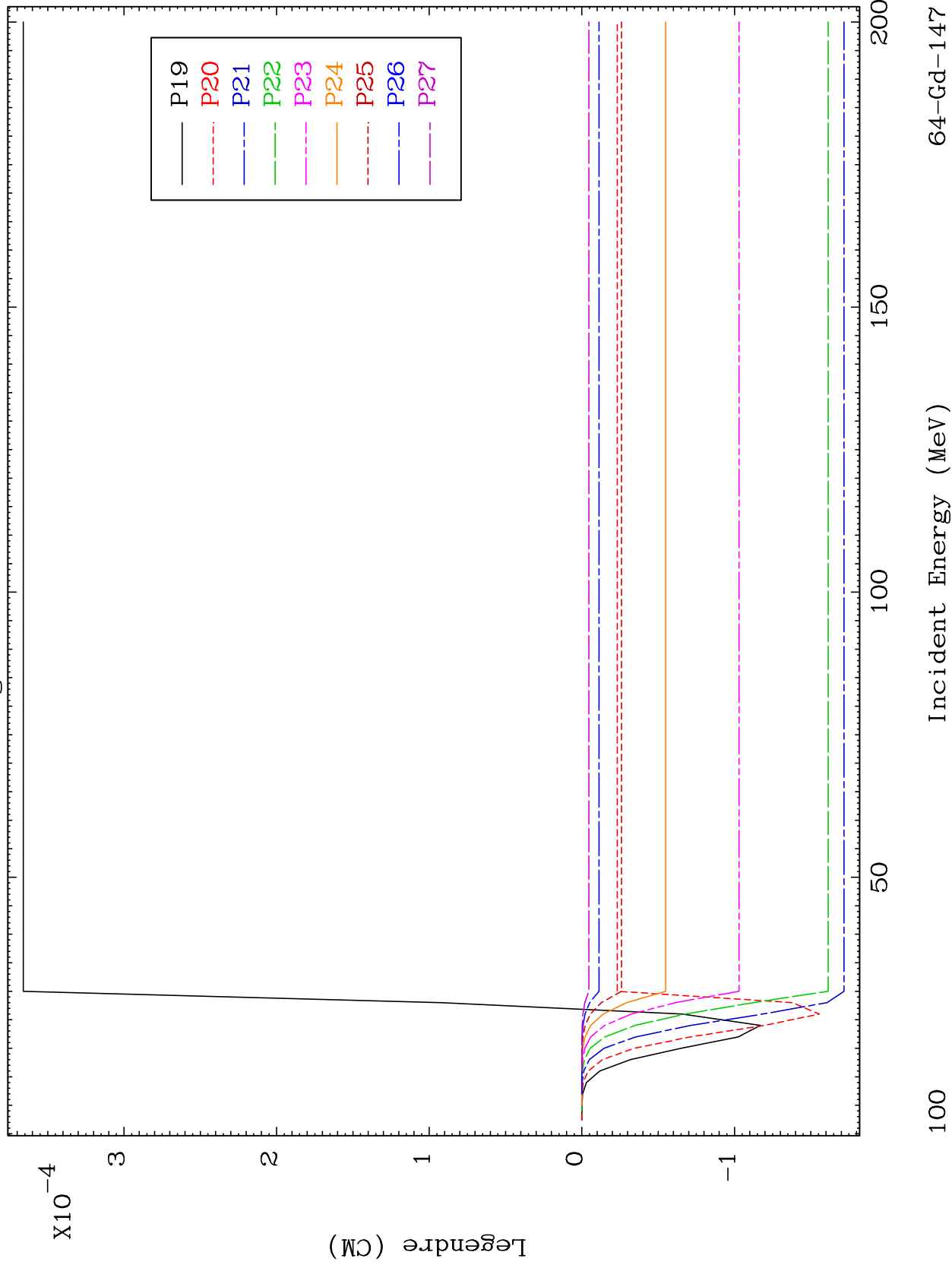
64-Gd-147

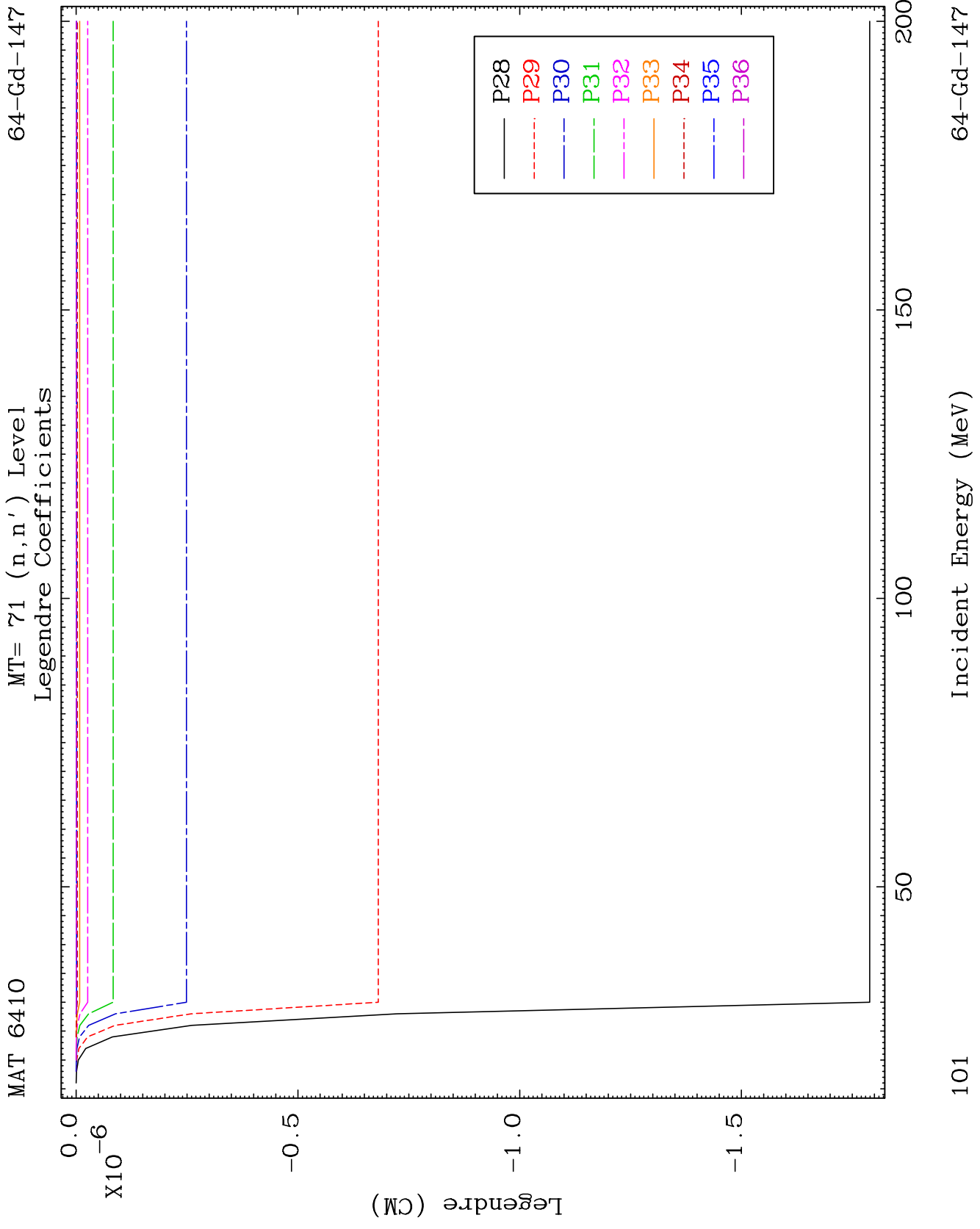


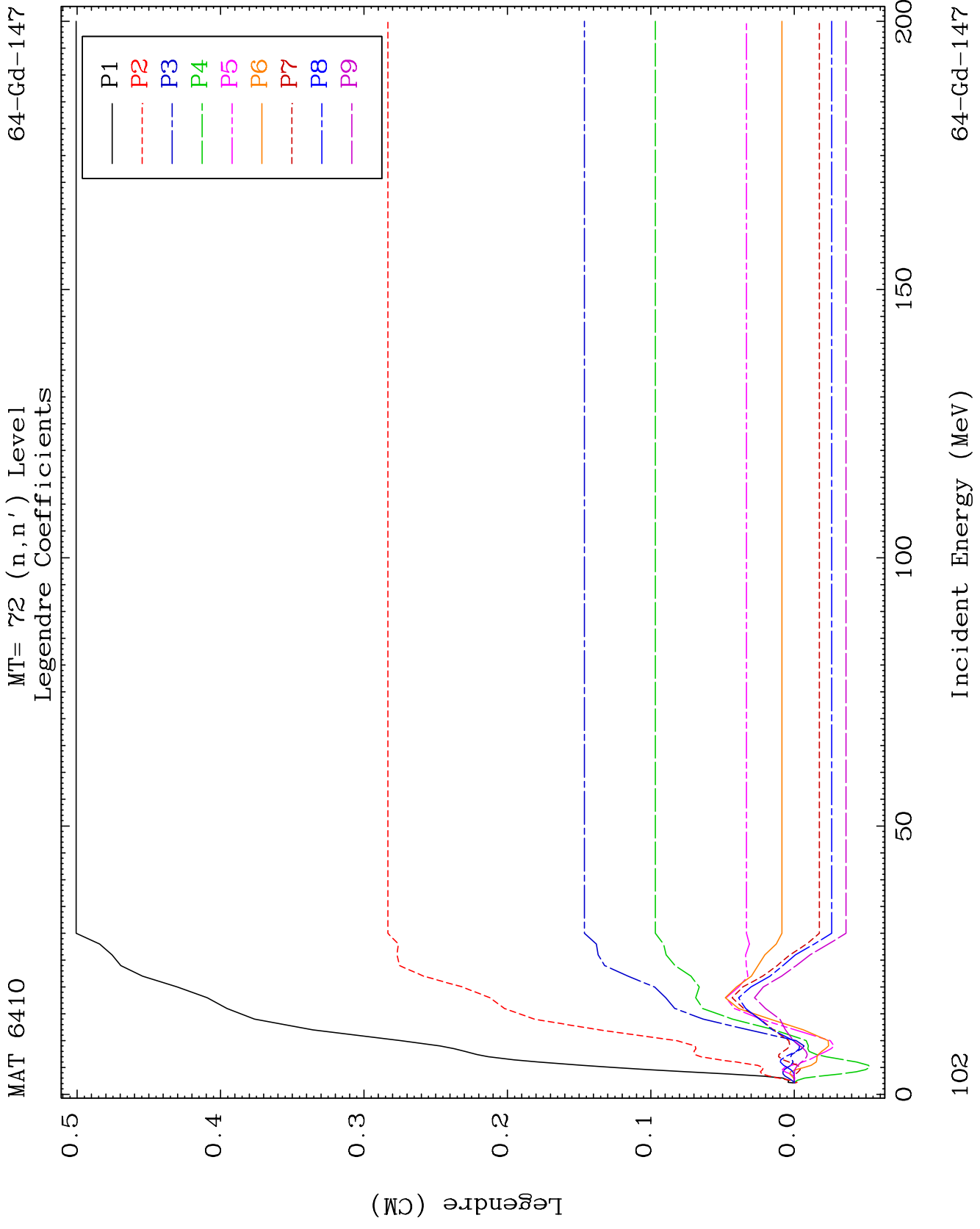
MAT 6410

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

64-Gd-147



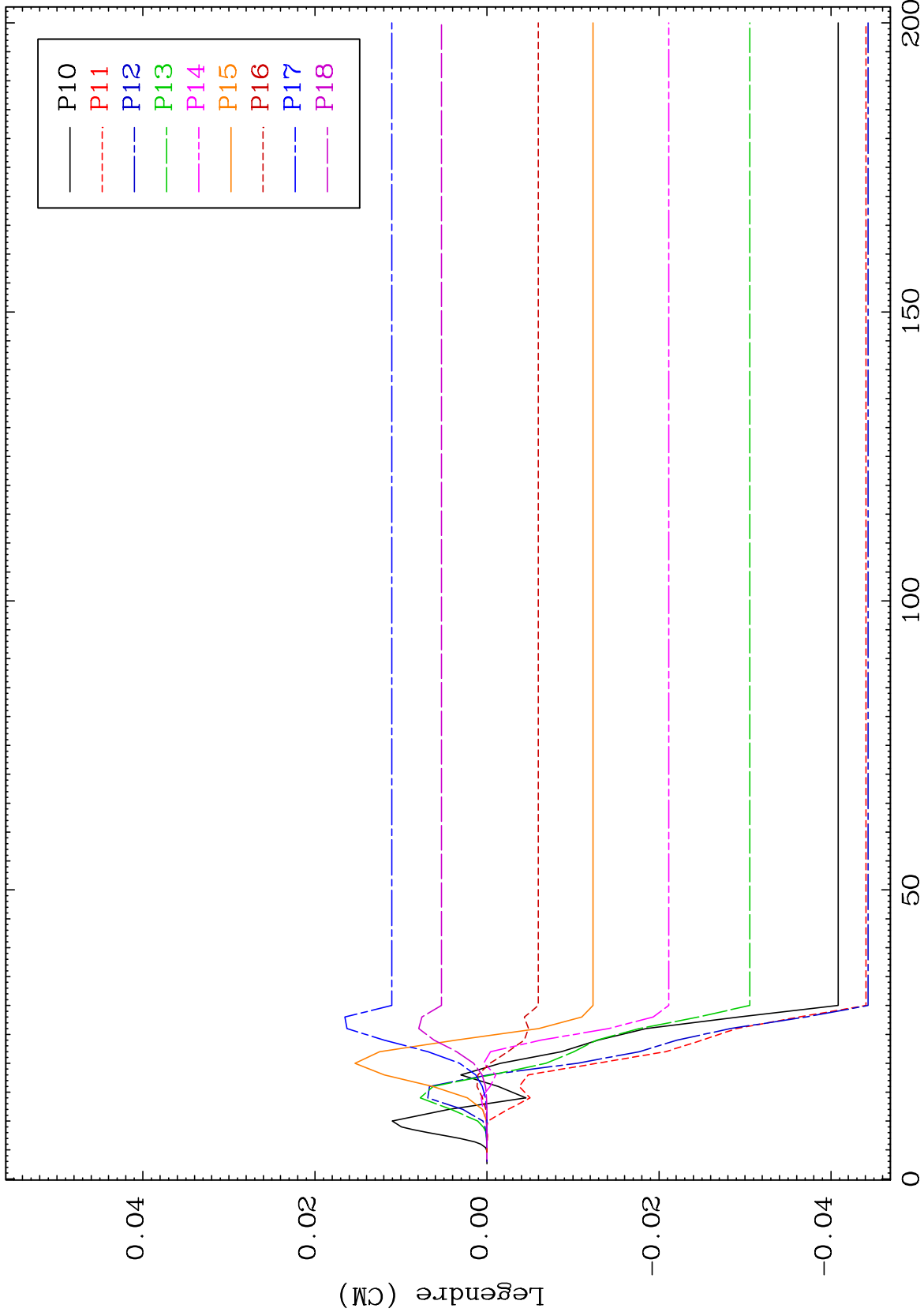




MAT 6410

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

64-Gd-147



103

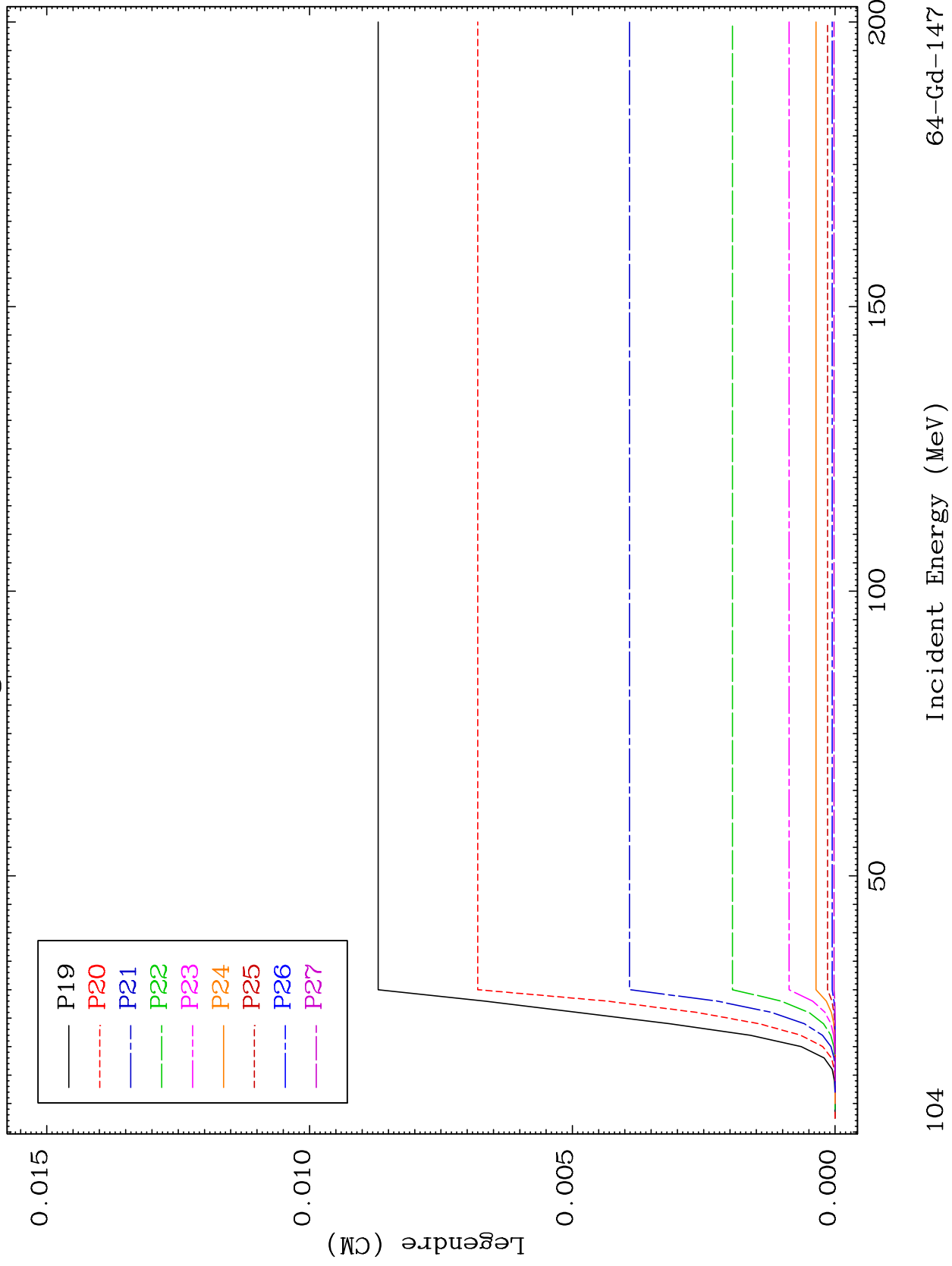
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



104

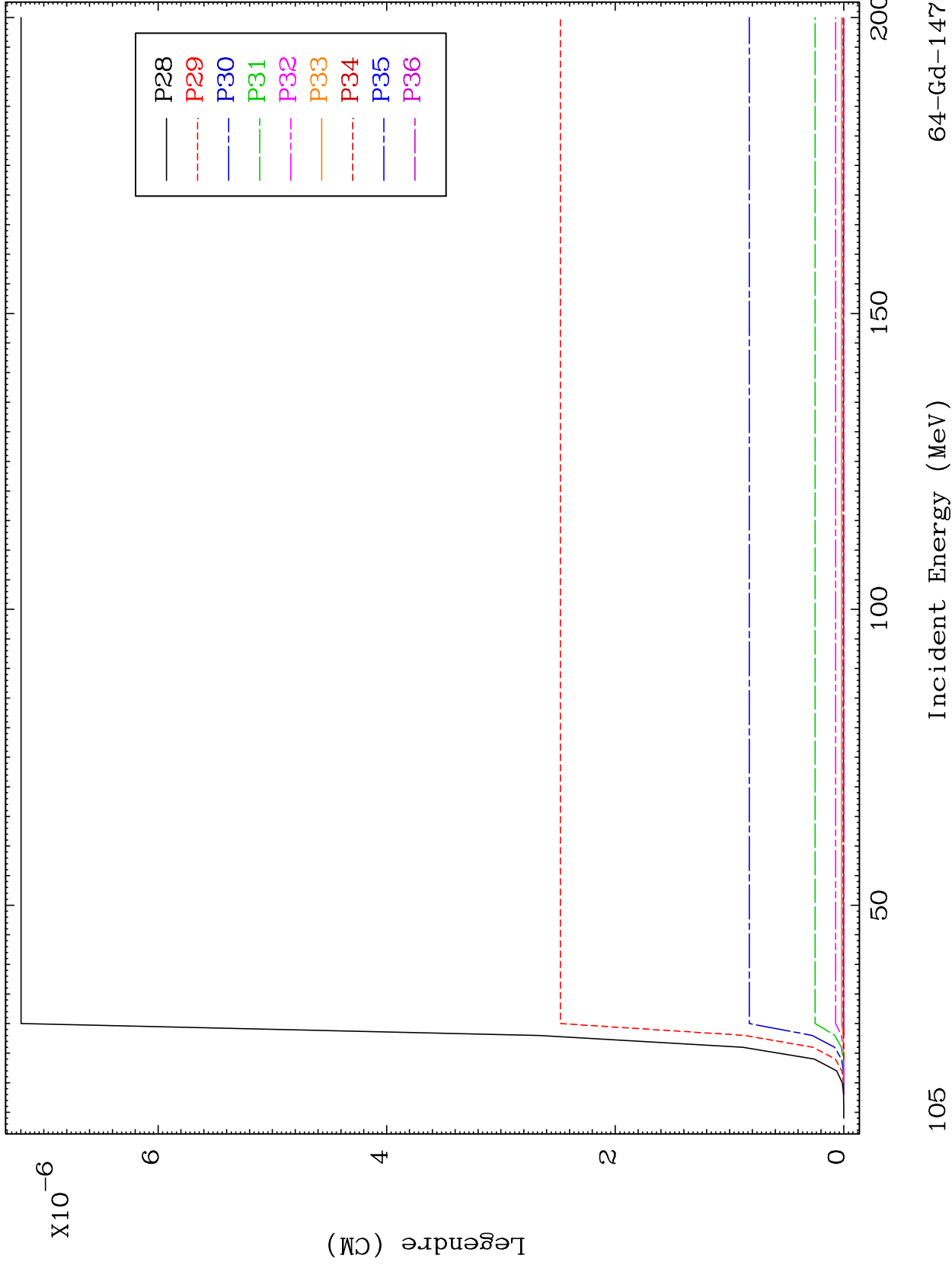
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

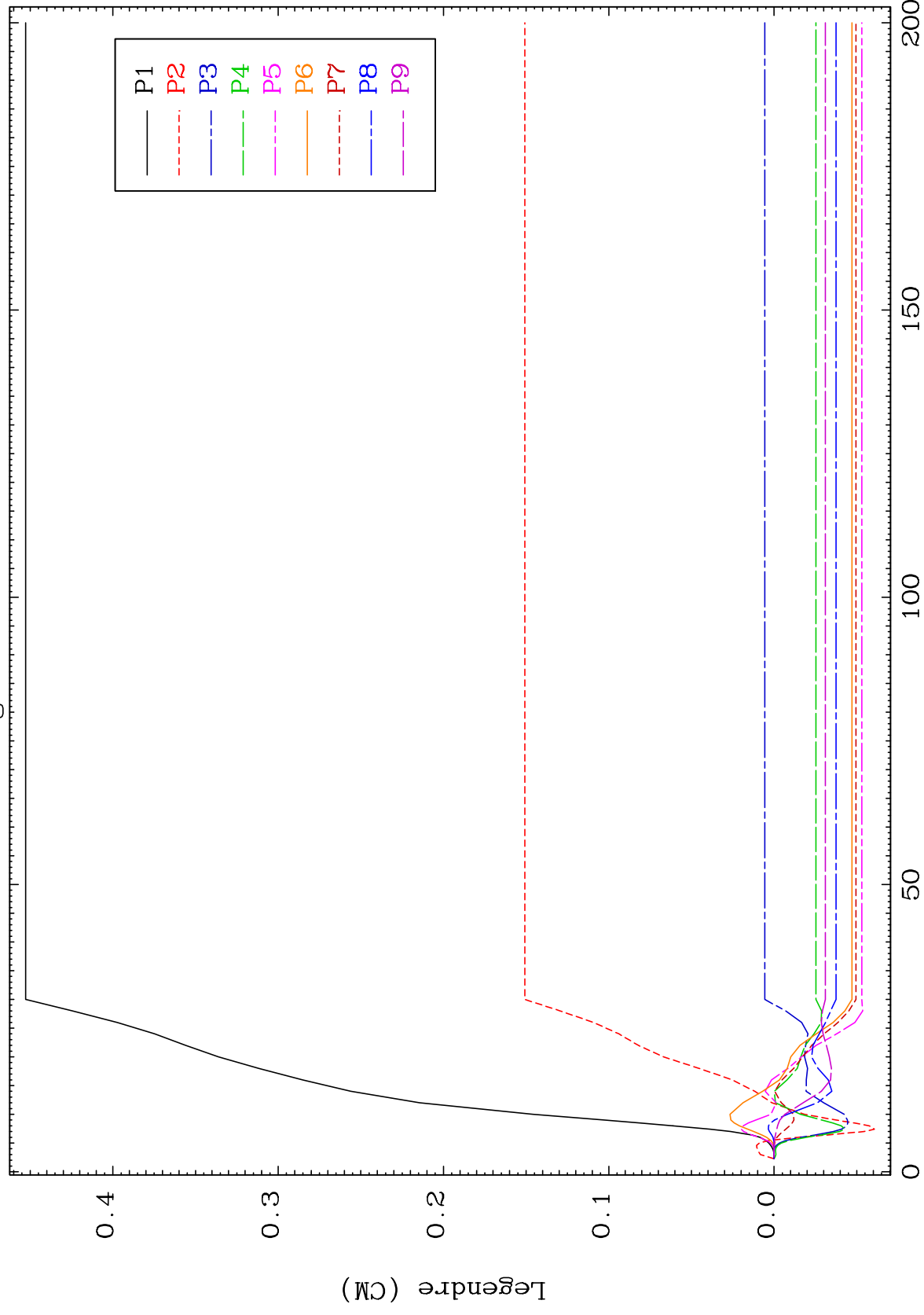
64-Gd-147



MAT 6410

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

64-Gd-147



106

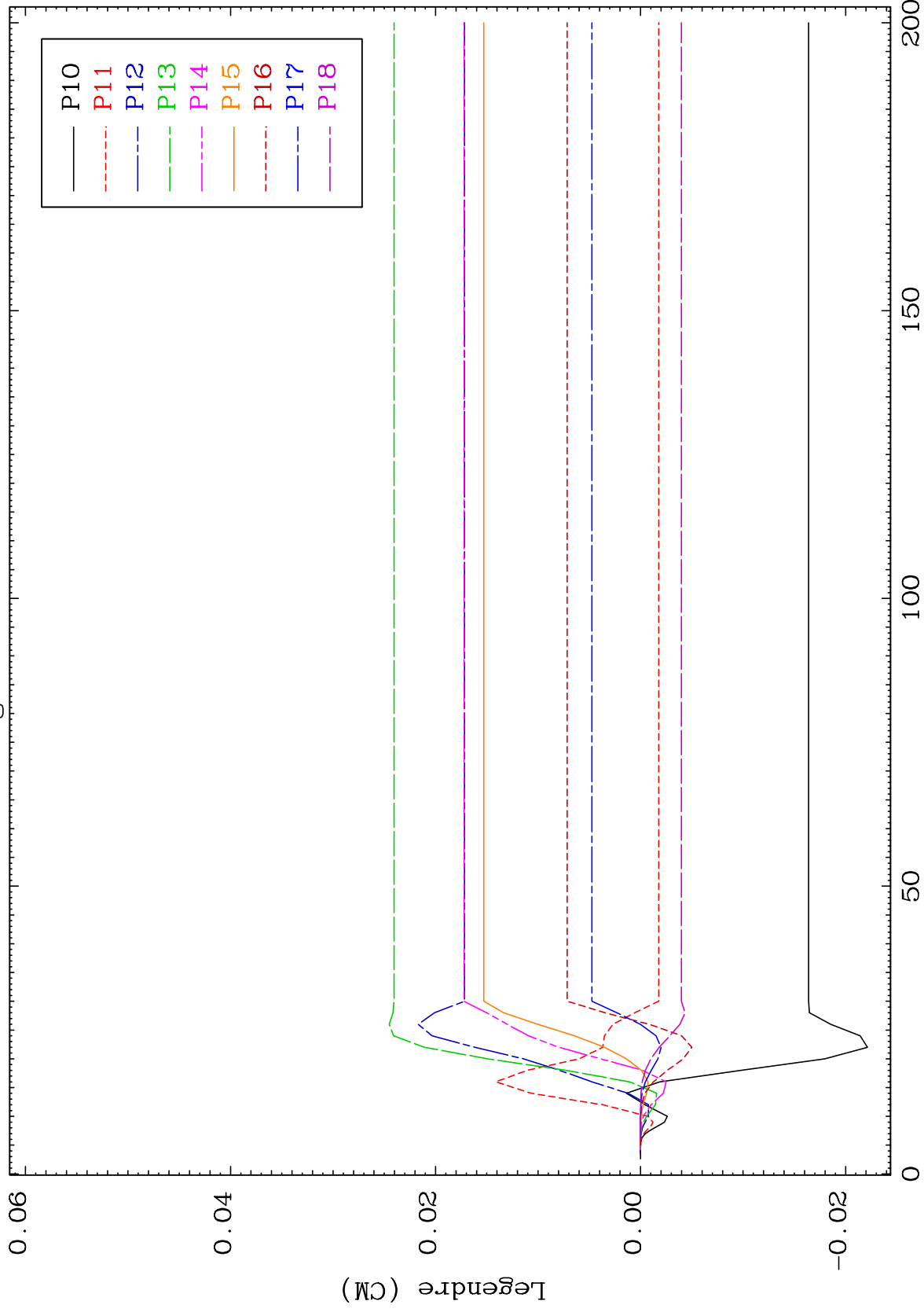
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



107

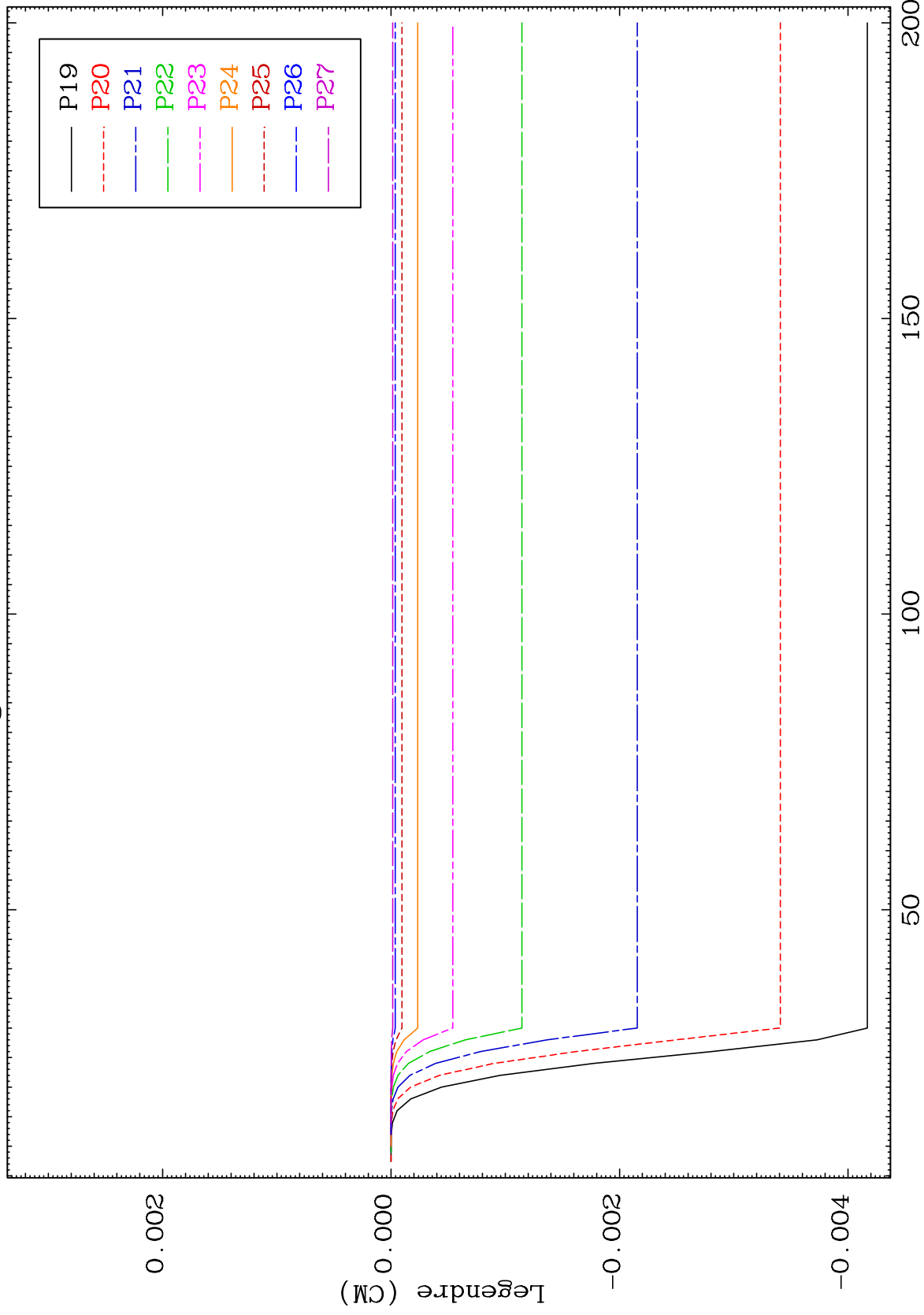
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

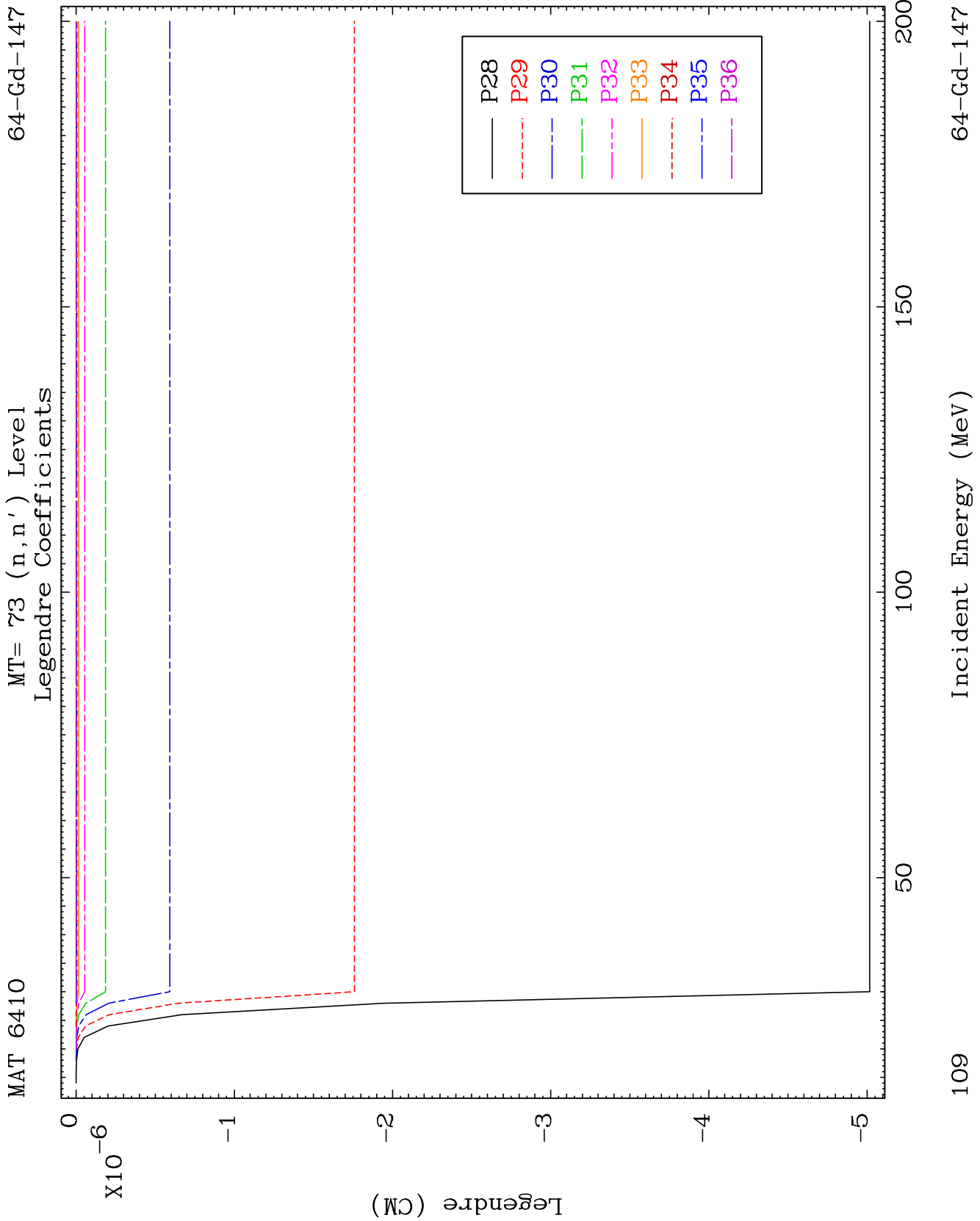
64-Gd-147

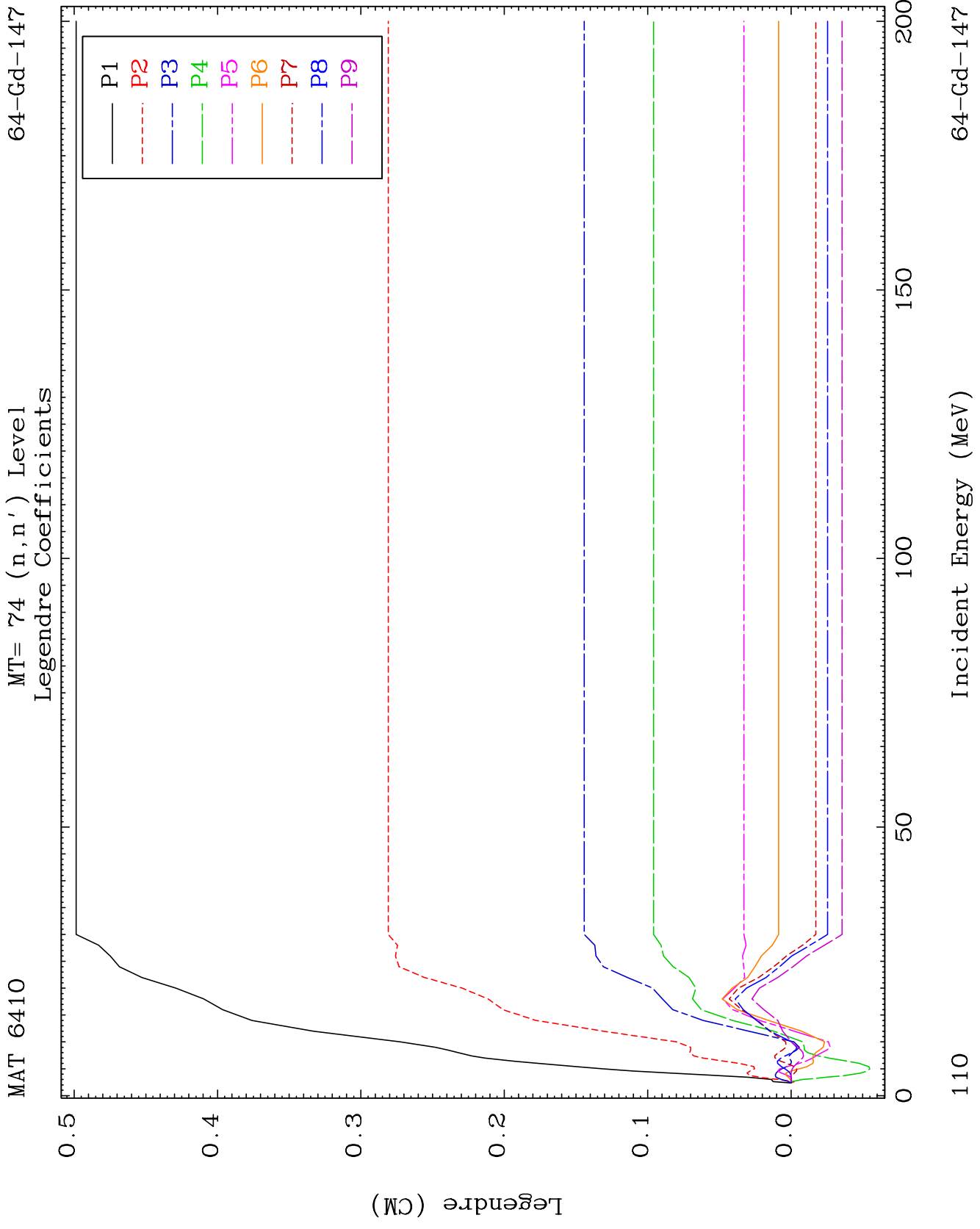


108

Incident Energy (MeV)

64-Gd-147

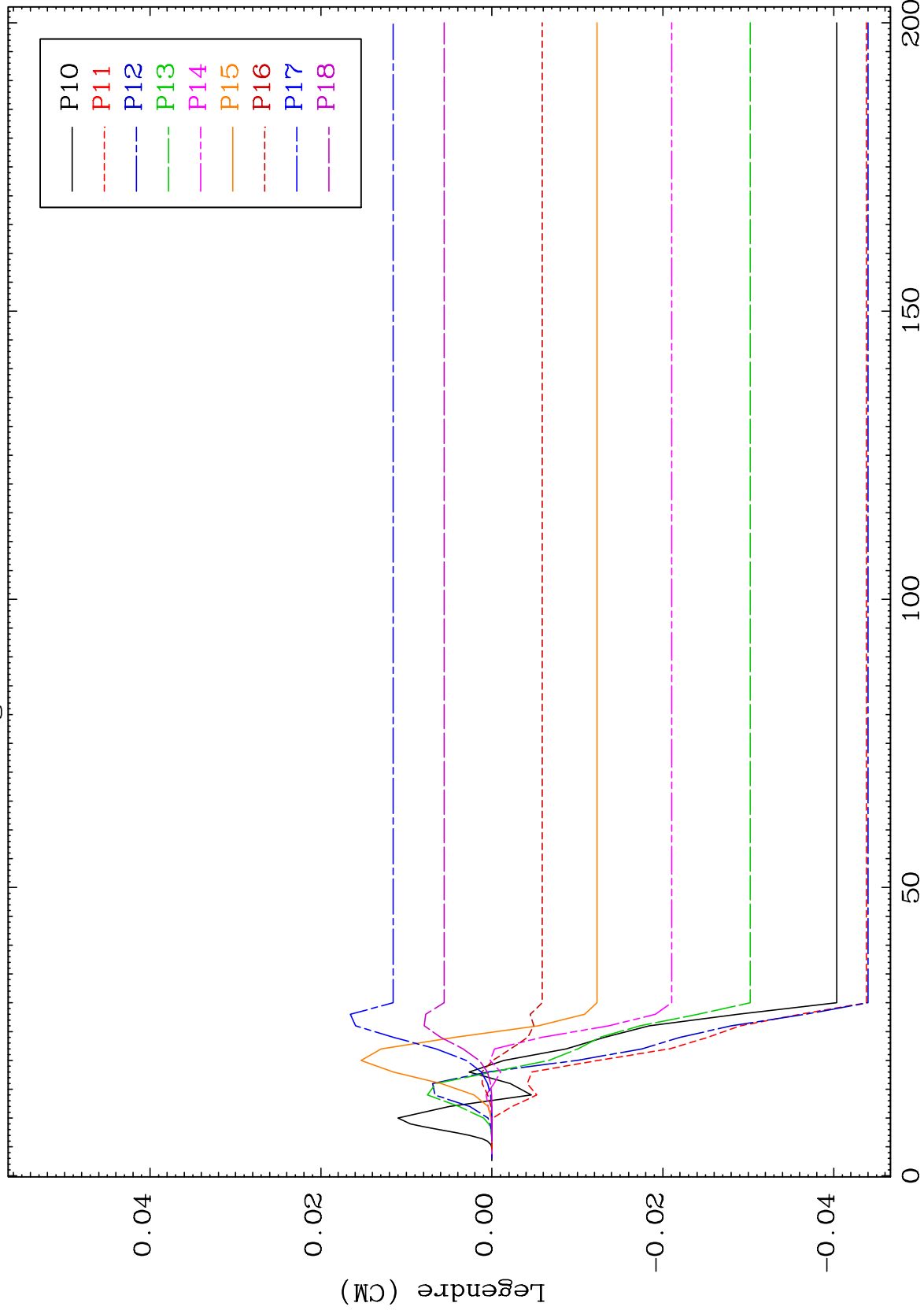




MAT 6410

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

64-Gd-147



111

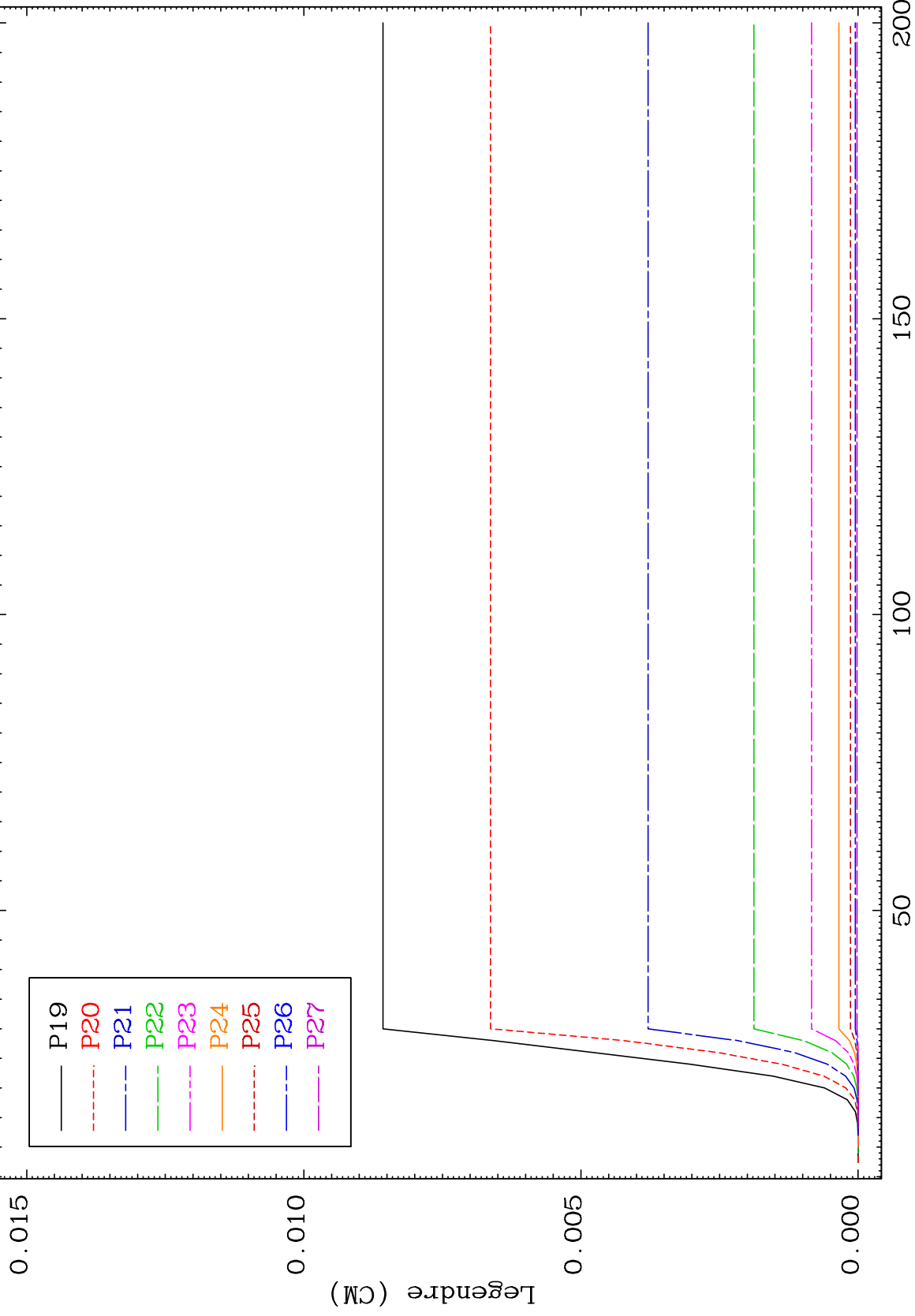
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



112

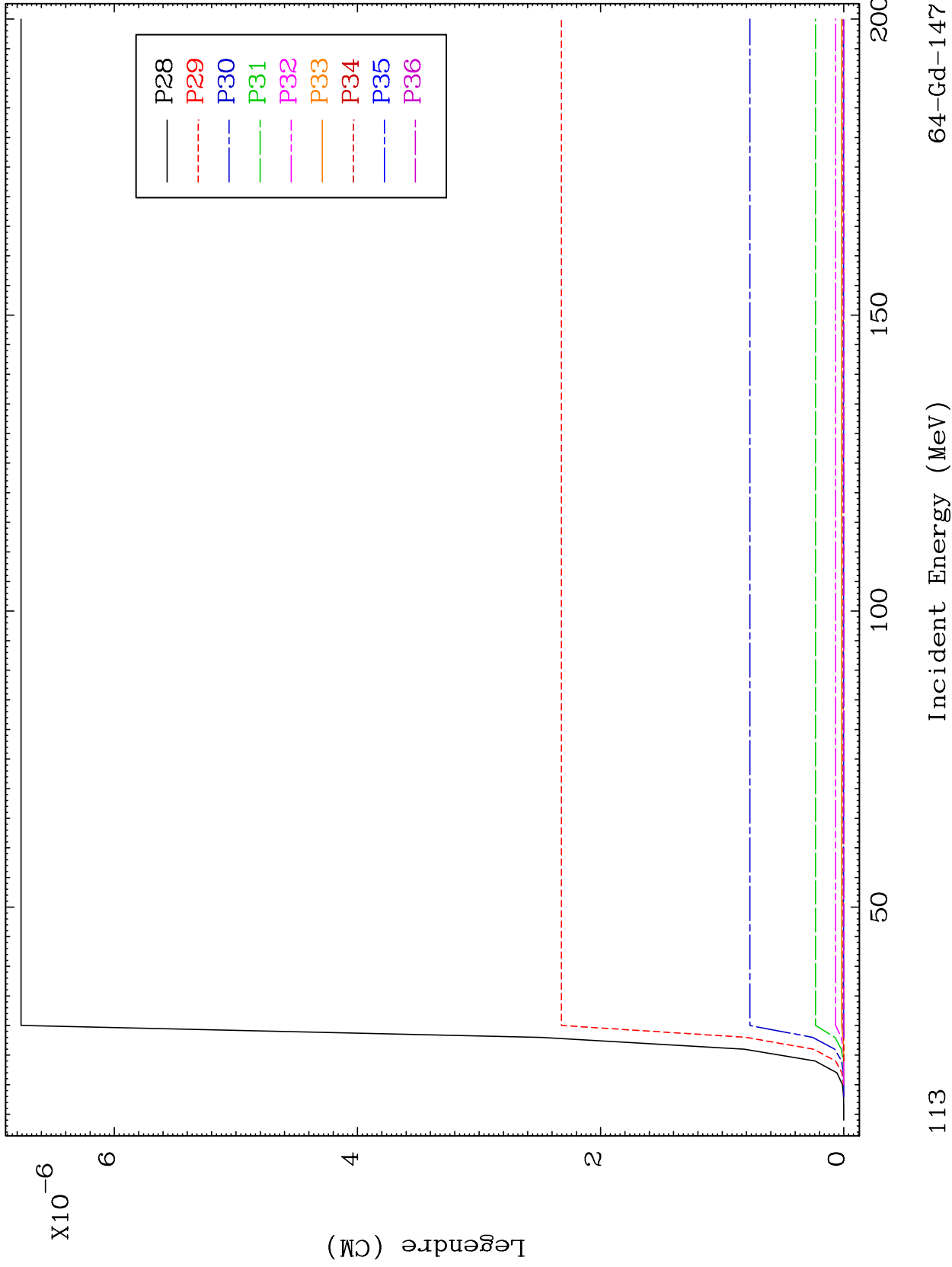
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



113

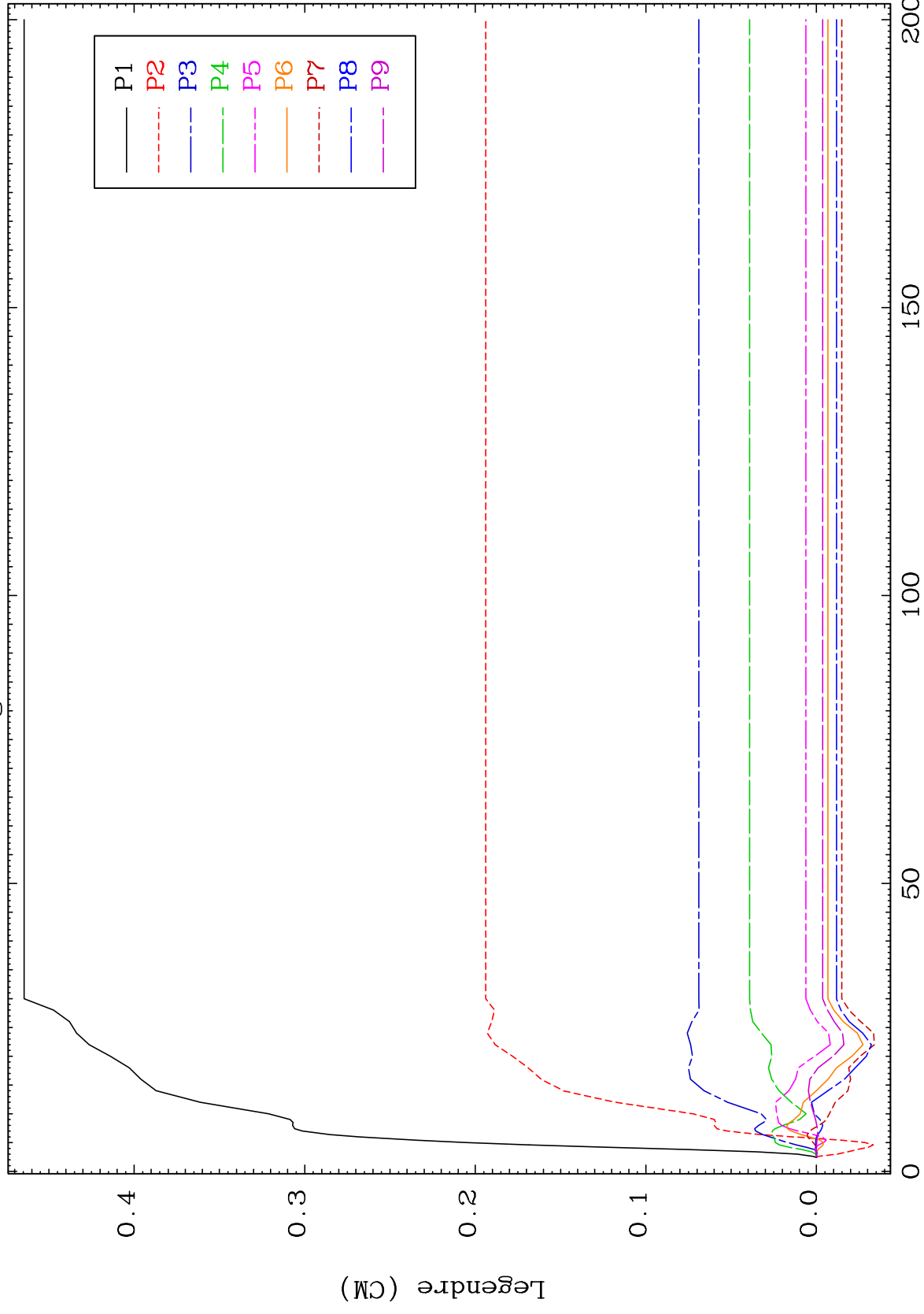
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

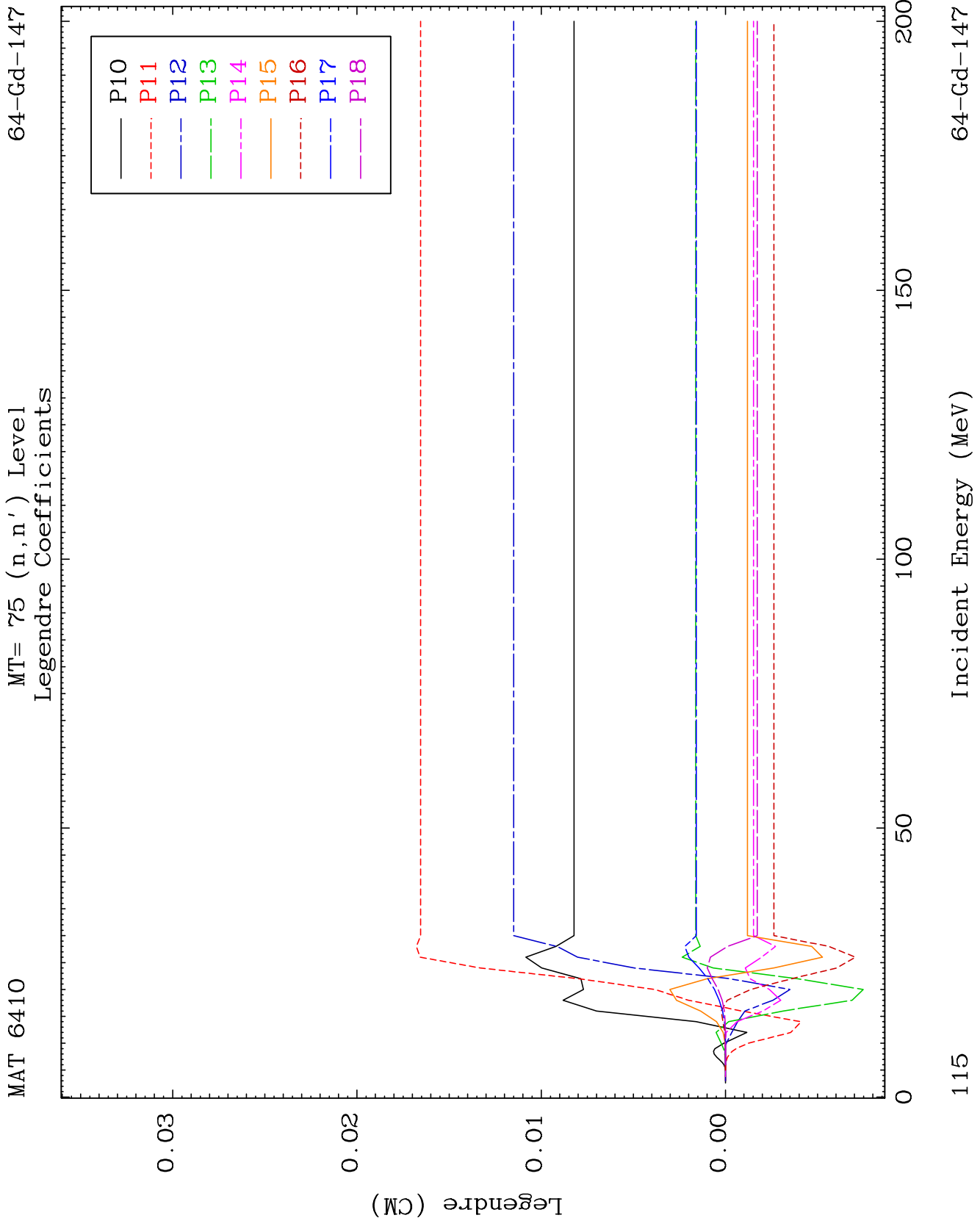
64-Gd-147



64-Gd-147

Incident Energy (MeV)

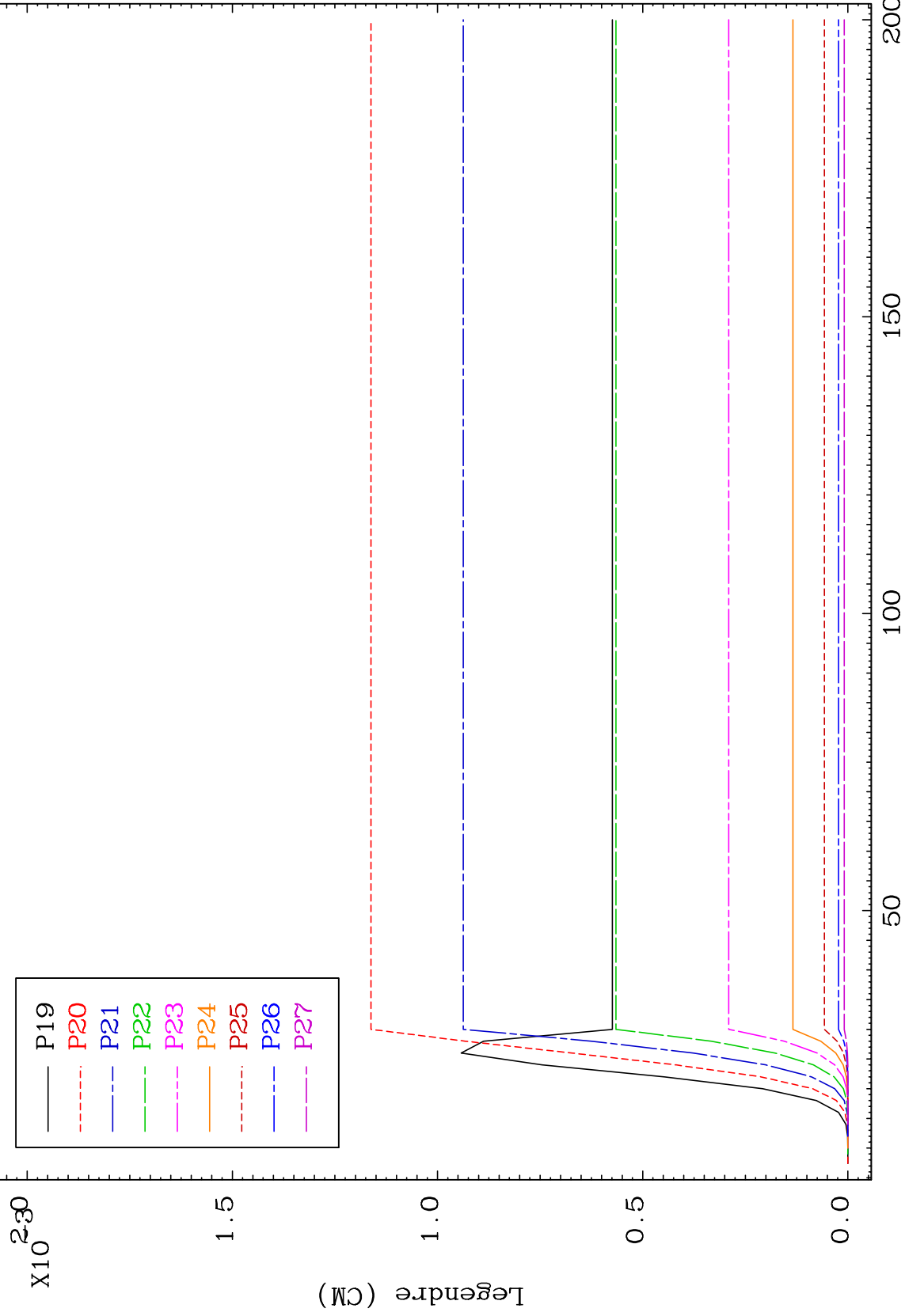
114



MAT 6410

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

64-Gd-147



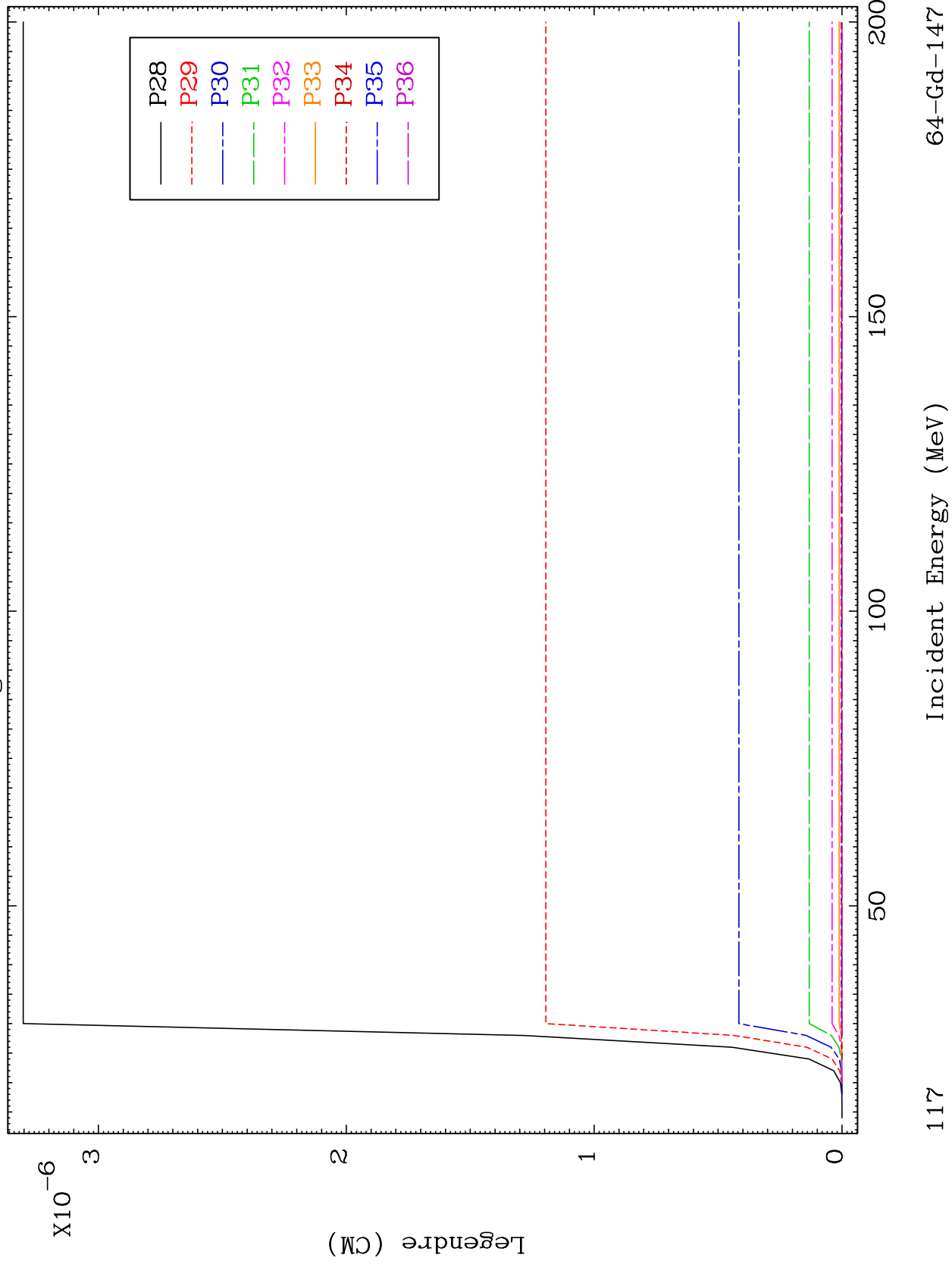
116

64-Gd-147

MAT 6410

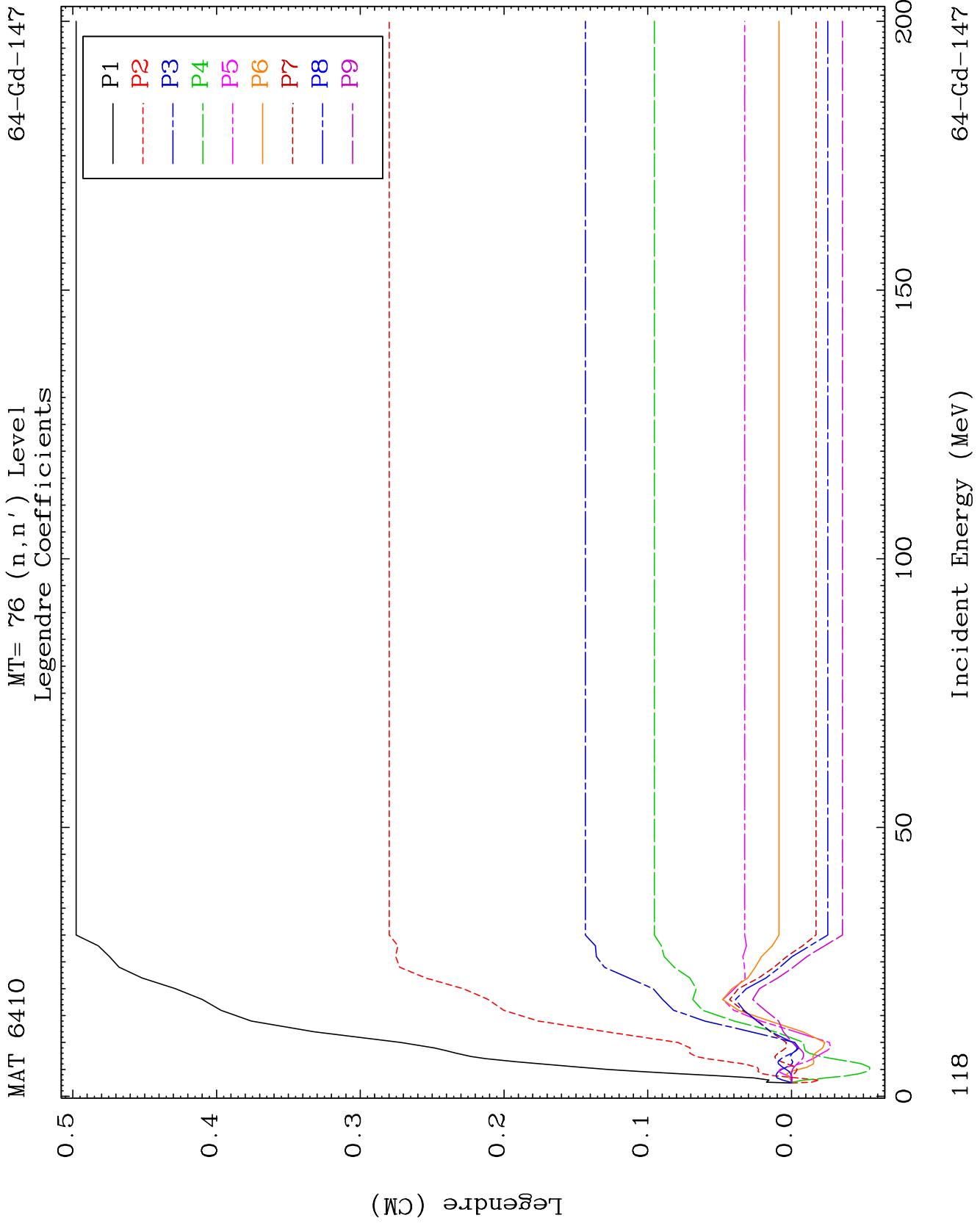
MT= 75 (n,n') Level
Legendre Coefficients

64-Gd-147



117

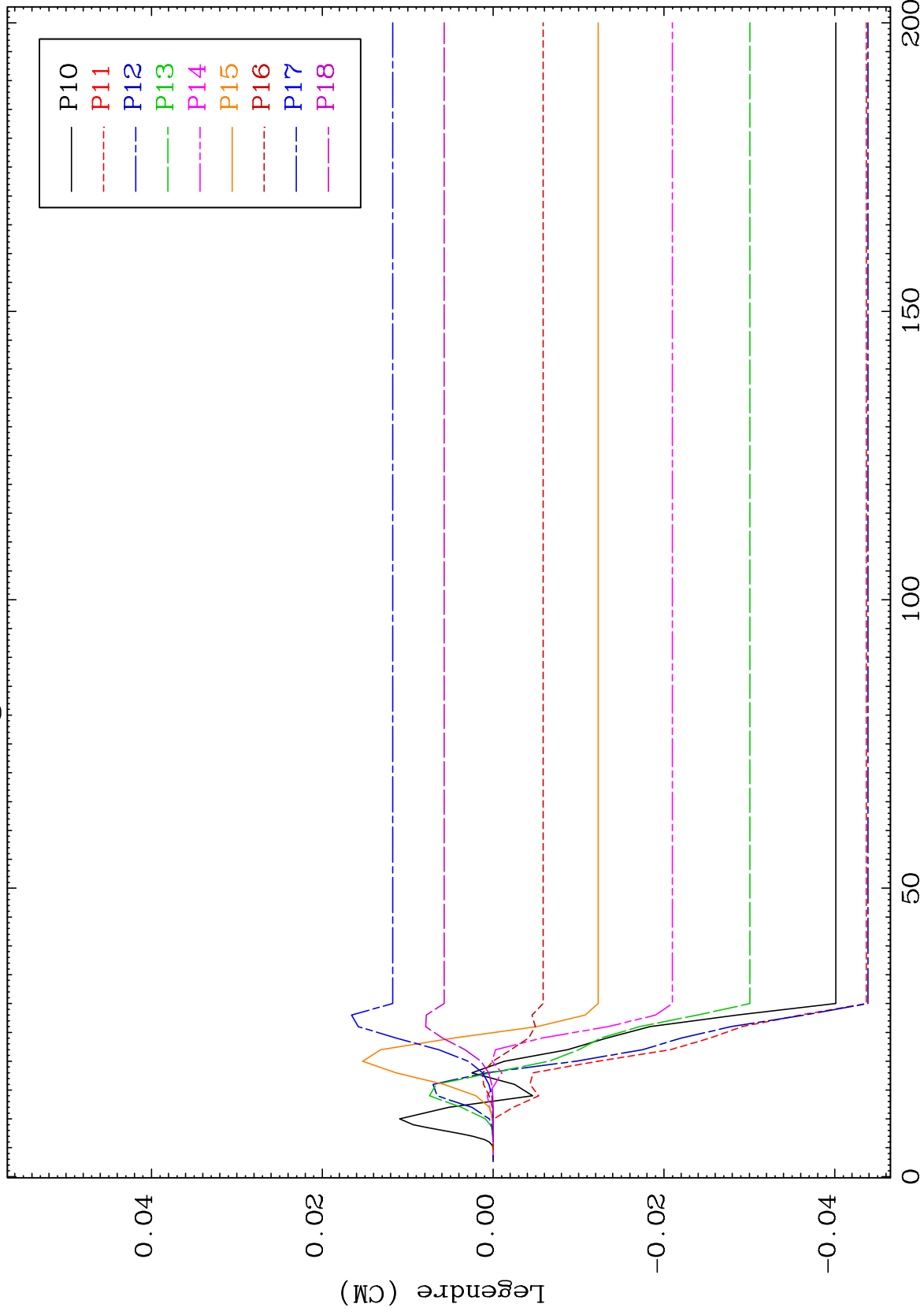
64-Gd-147



MAT 6410

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

64-Gd-147



119

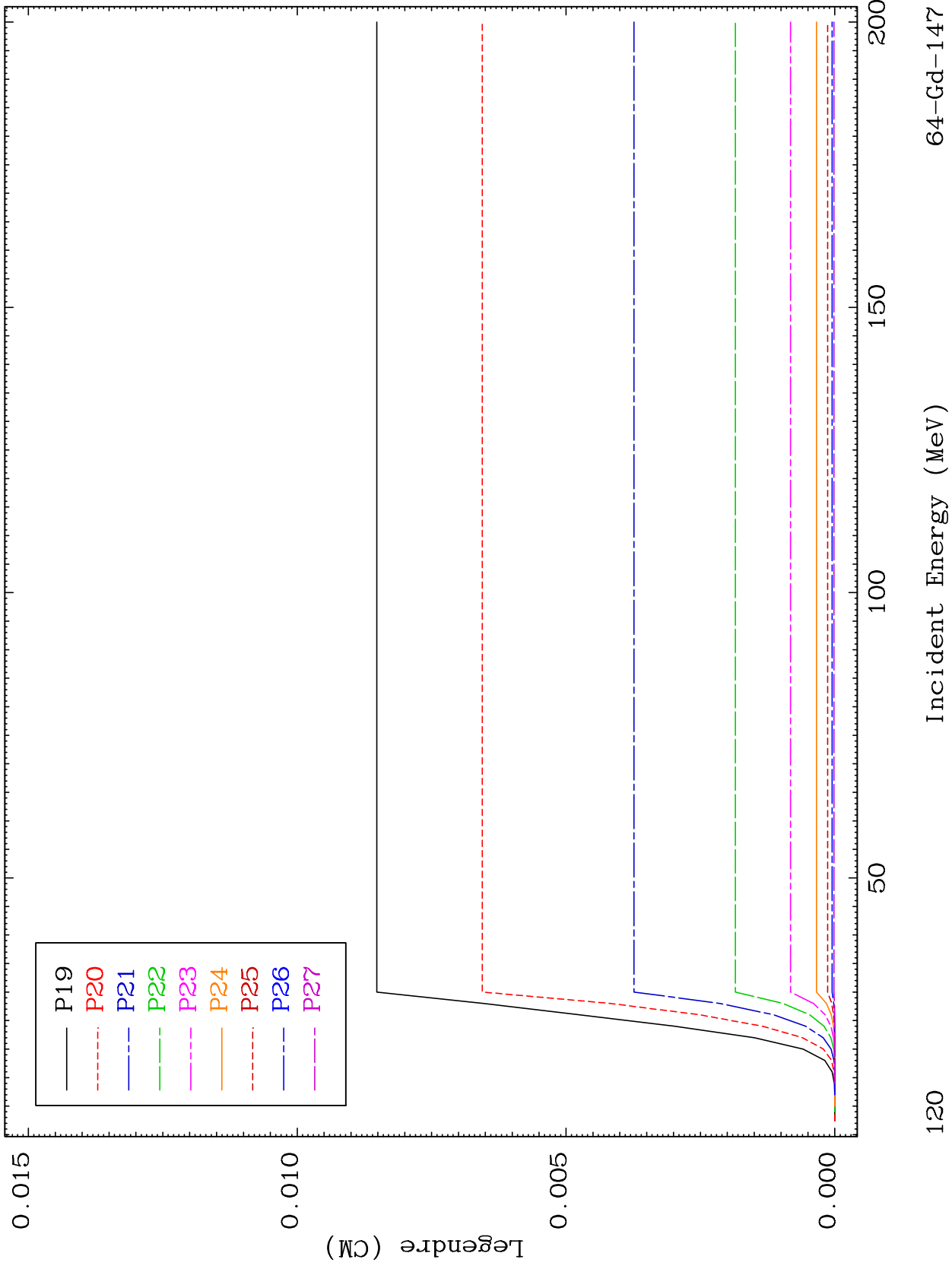
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

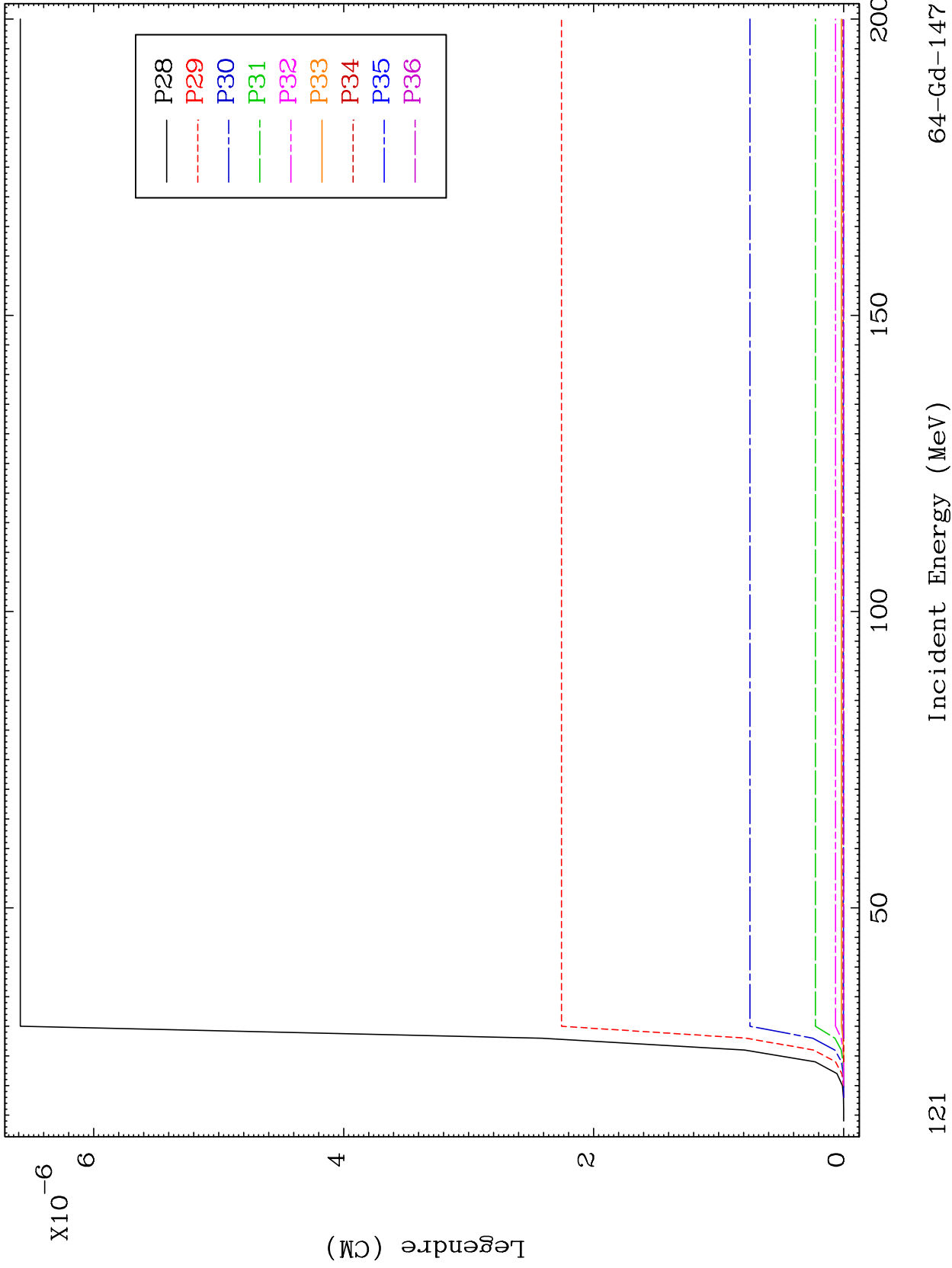
Incident Energy (MeV)

120

MAT 6410

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

64-Gd-147



121

Incident Energy (MeV)

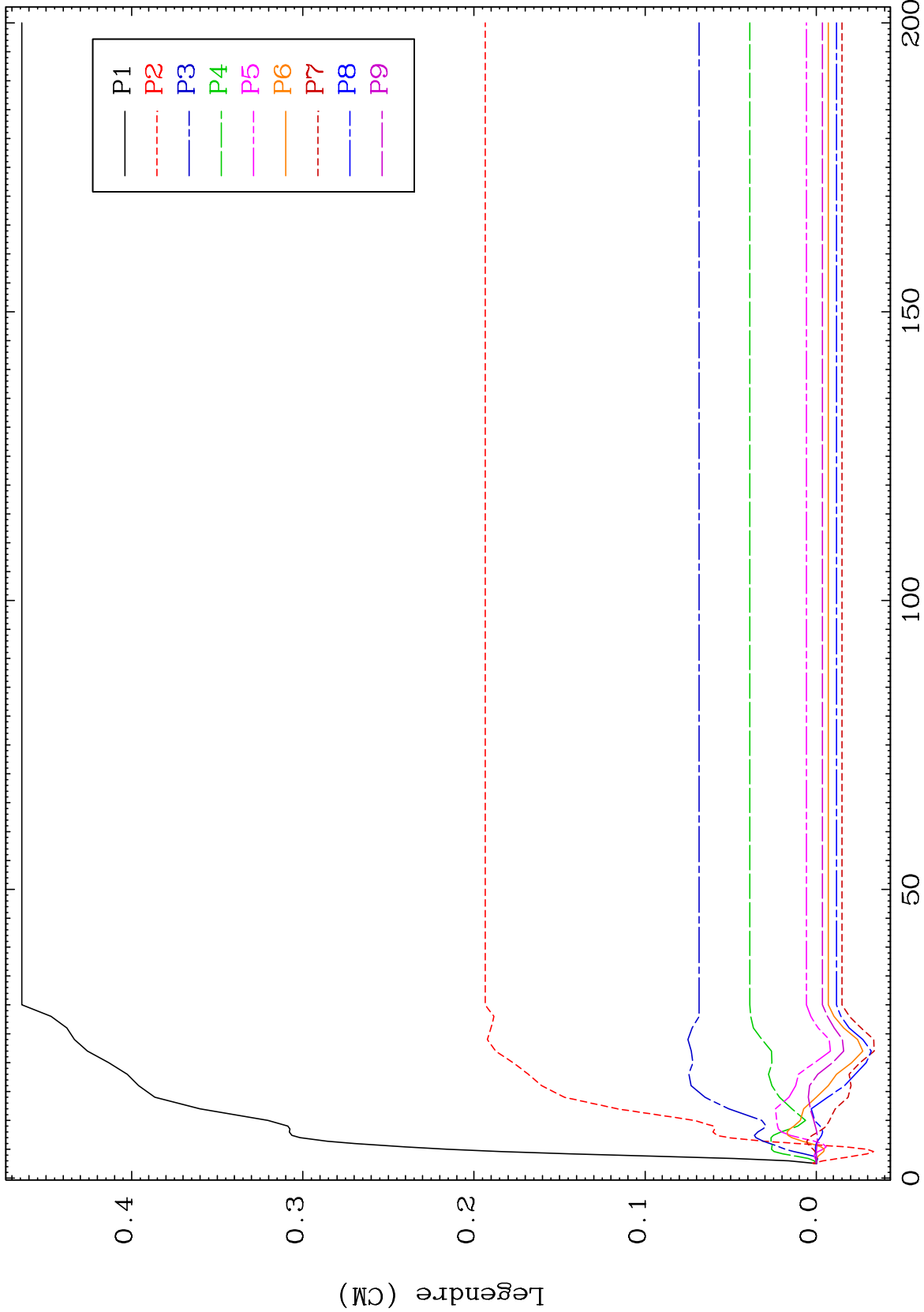
64-Gd-147

MAT 6410

MT= 77 (n,n') Level

64-Gd-147

Legendre Coefficients



122

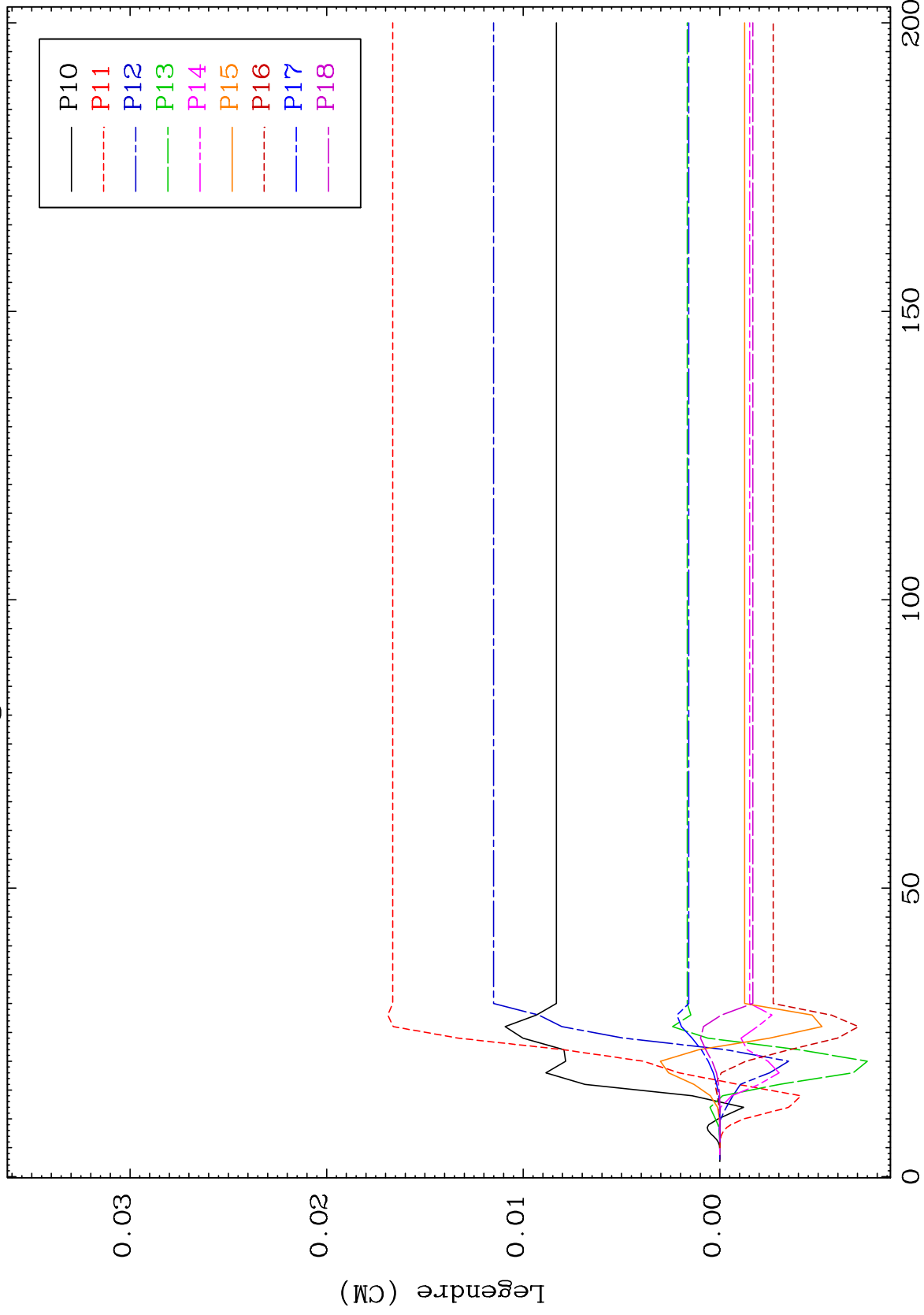
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



123

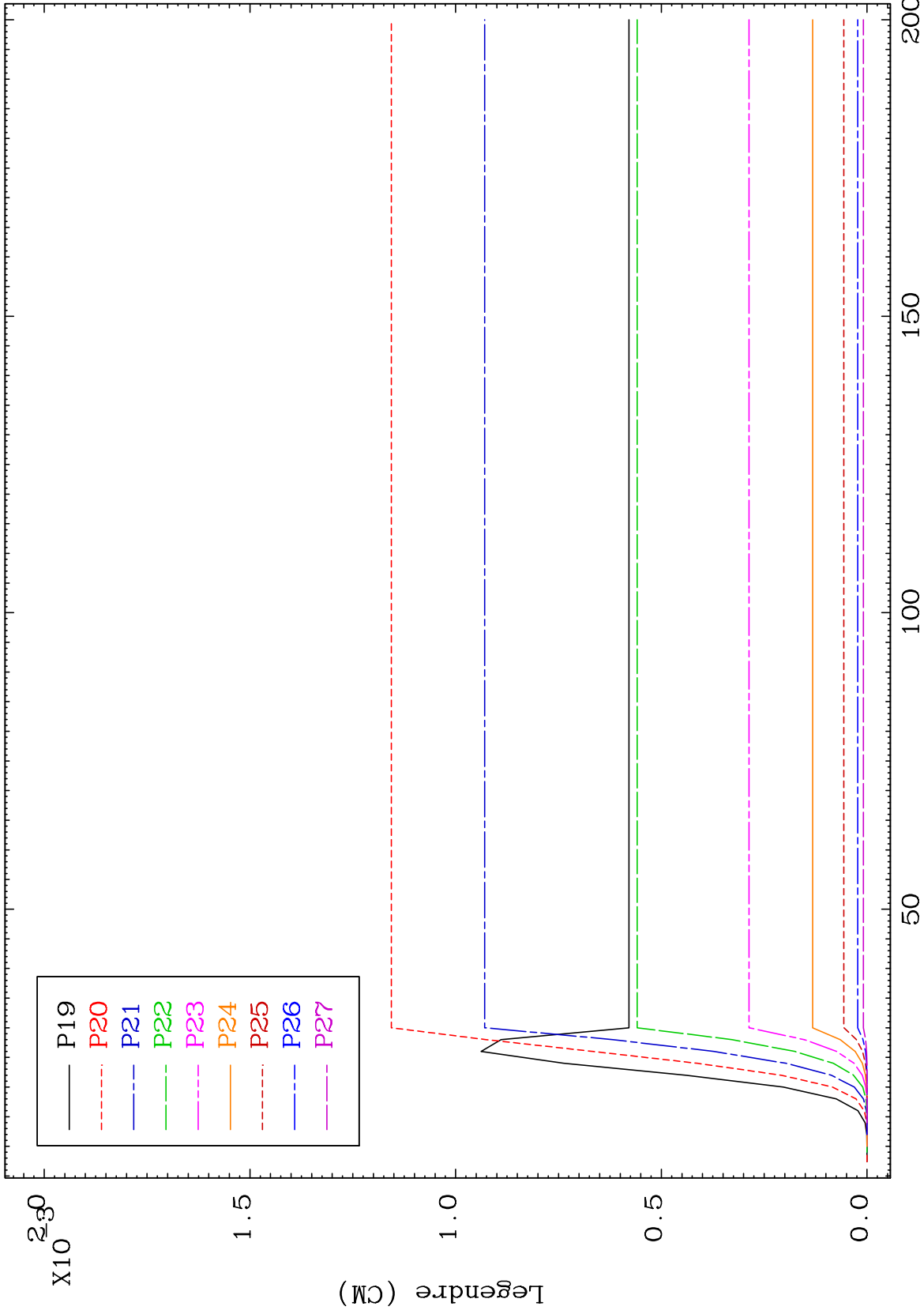
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



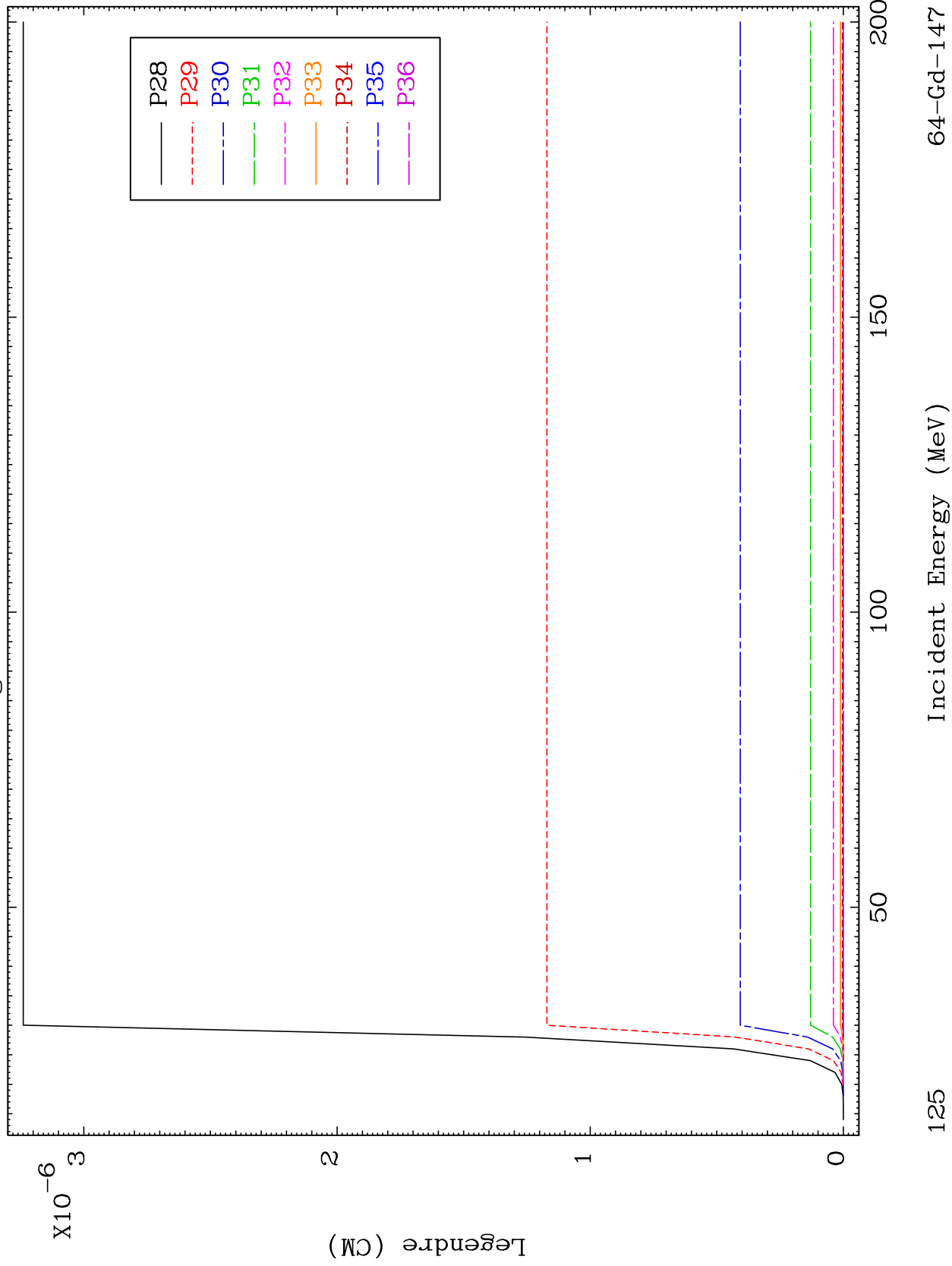
124

64-Gd-147

MAT 6410

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

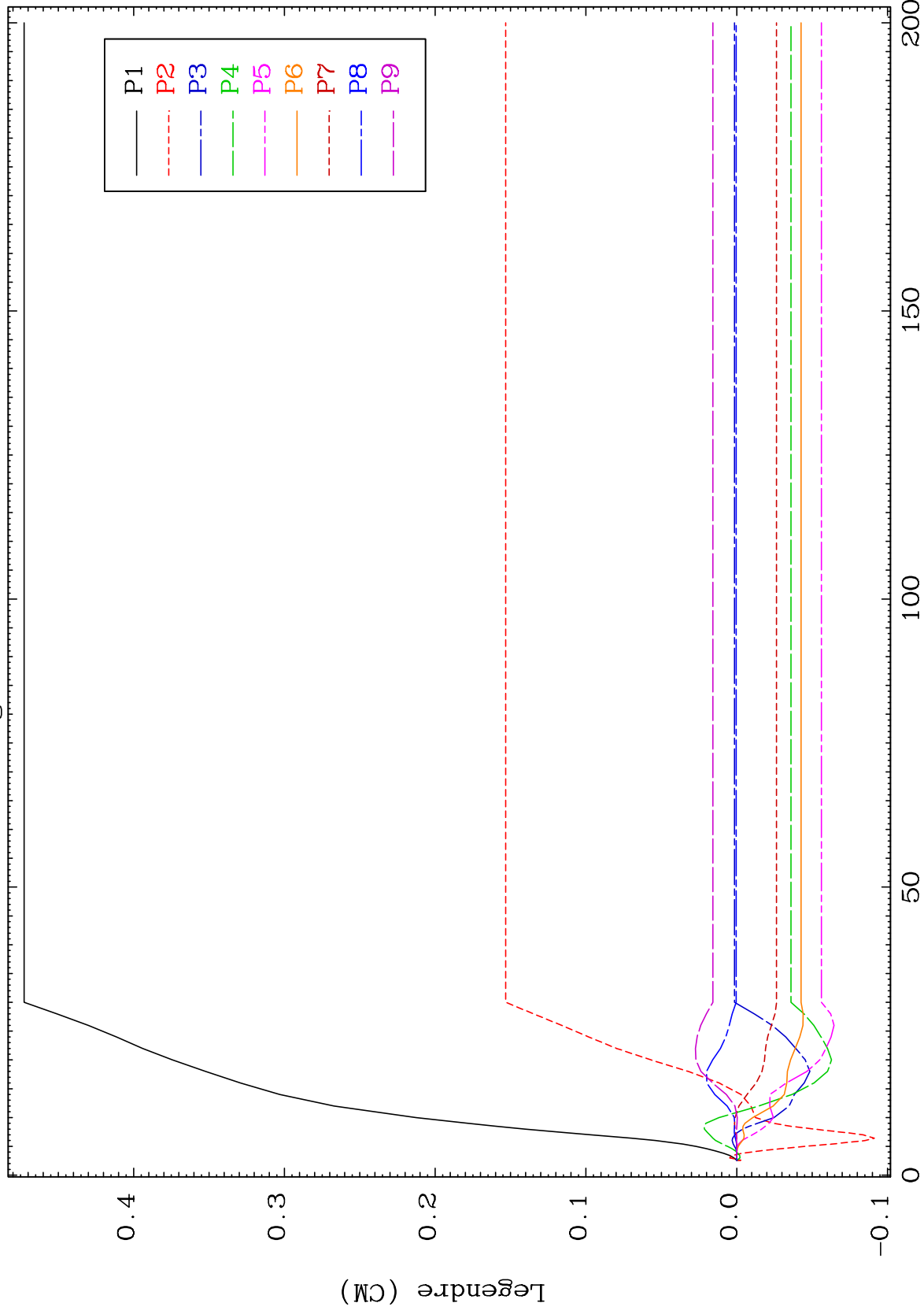
64-Gd-147



MAT 6410

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

64-Gd-147



126

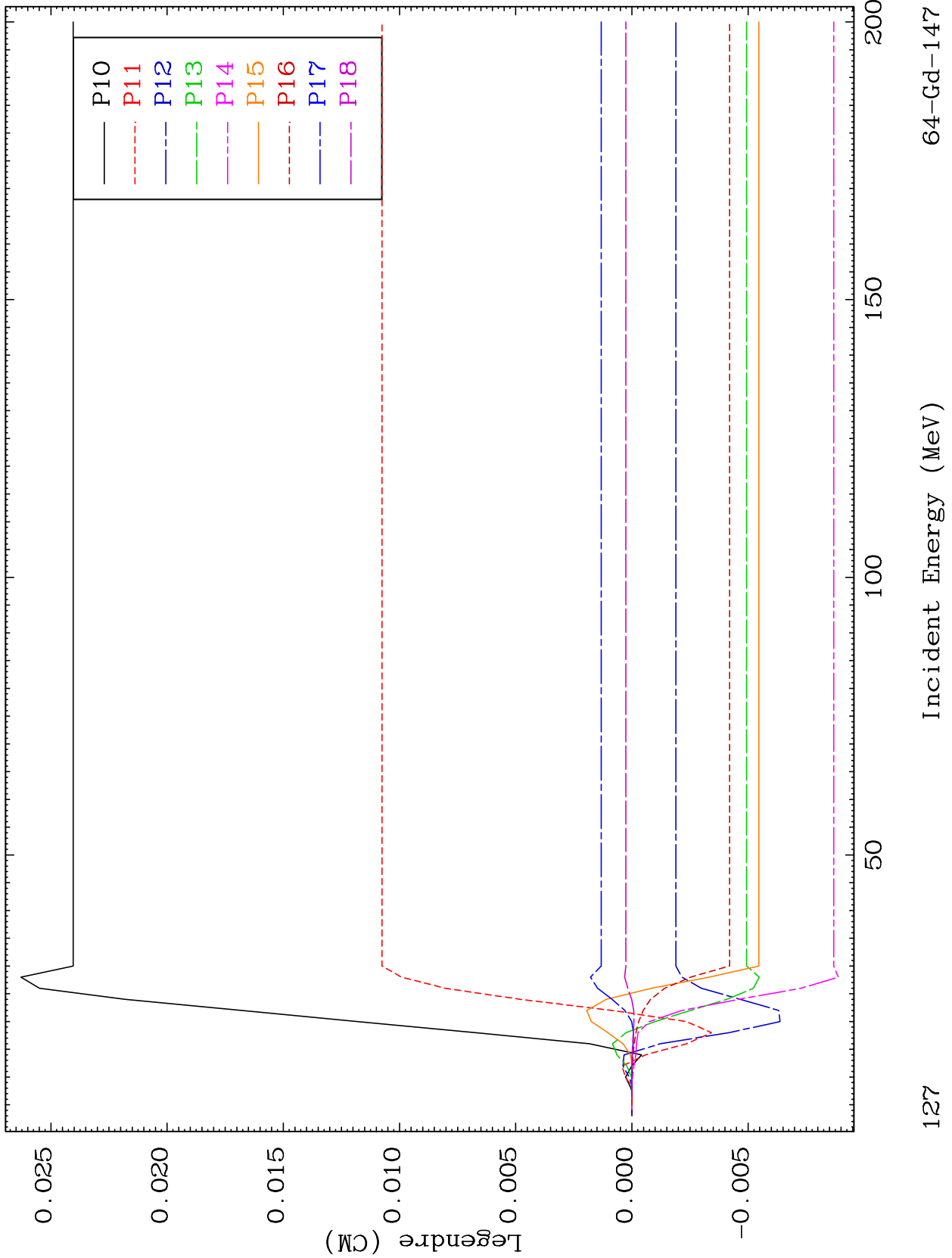
Incident Energy (MeV)

64-Gd-147

MAT 6410

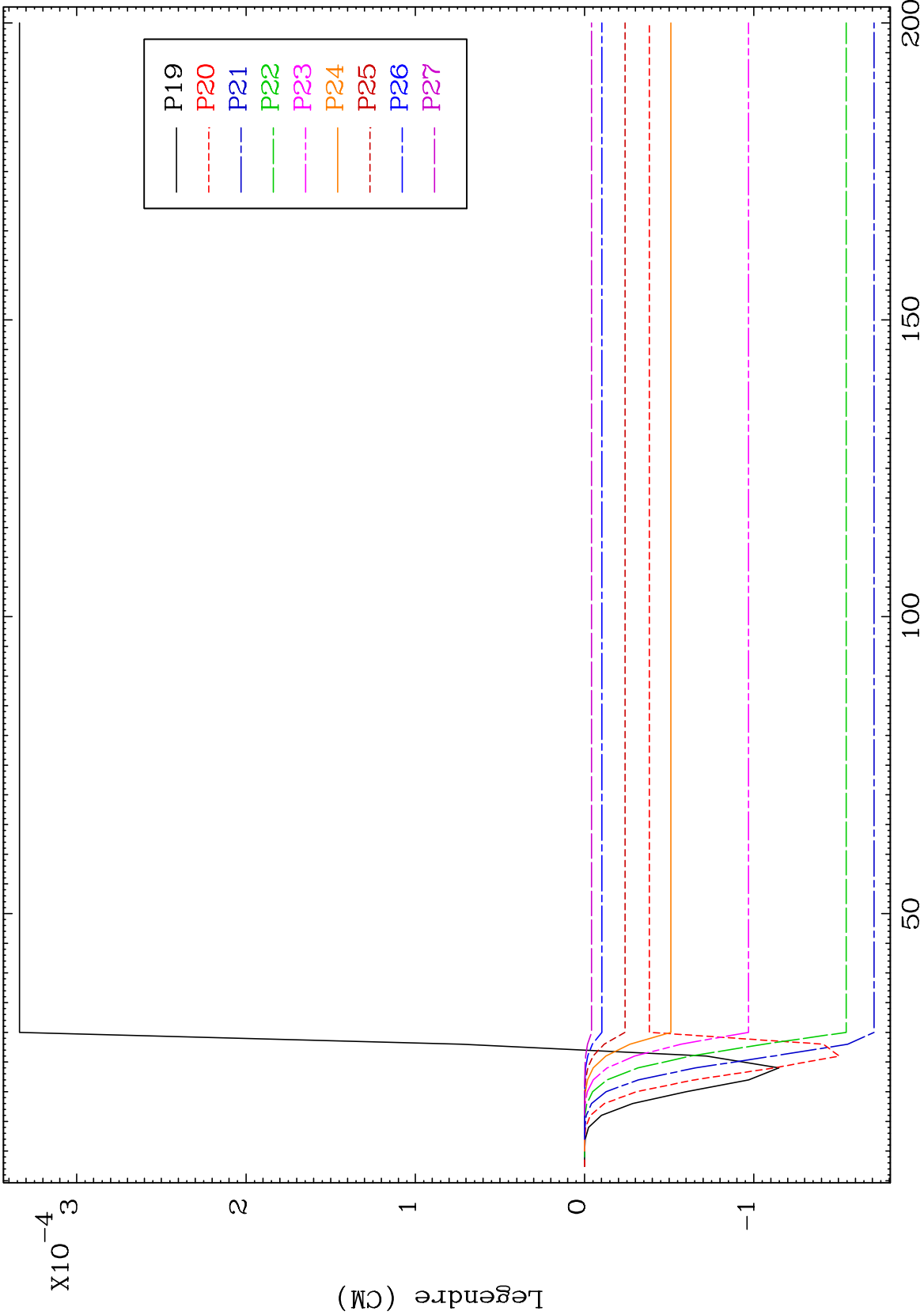
MT= 78 (n,n') Level
Legendre Coefficients

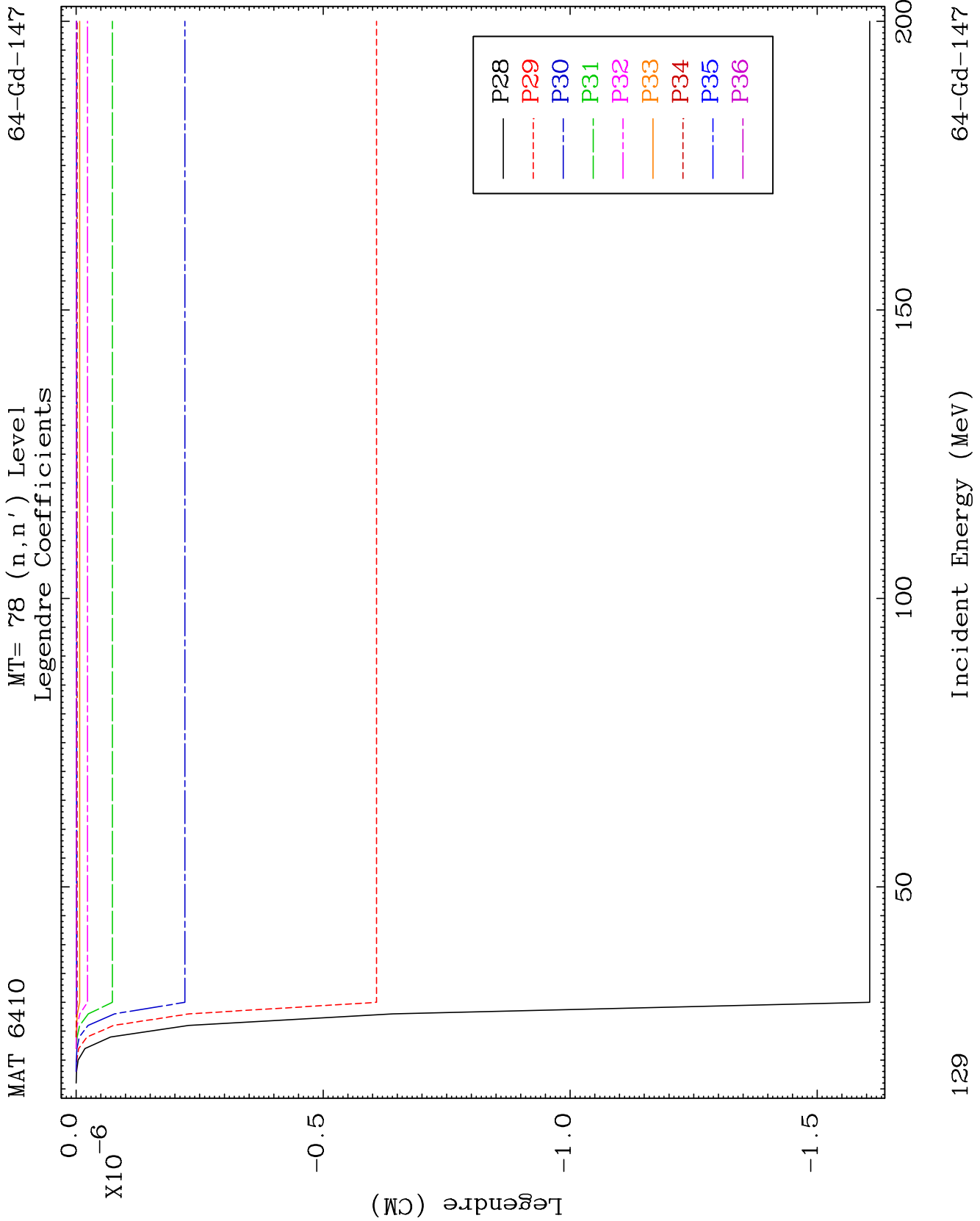
64-Gd-147



127

64-Gd-147

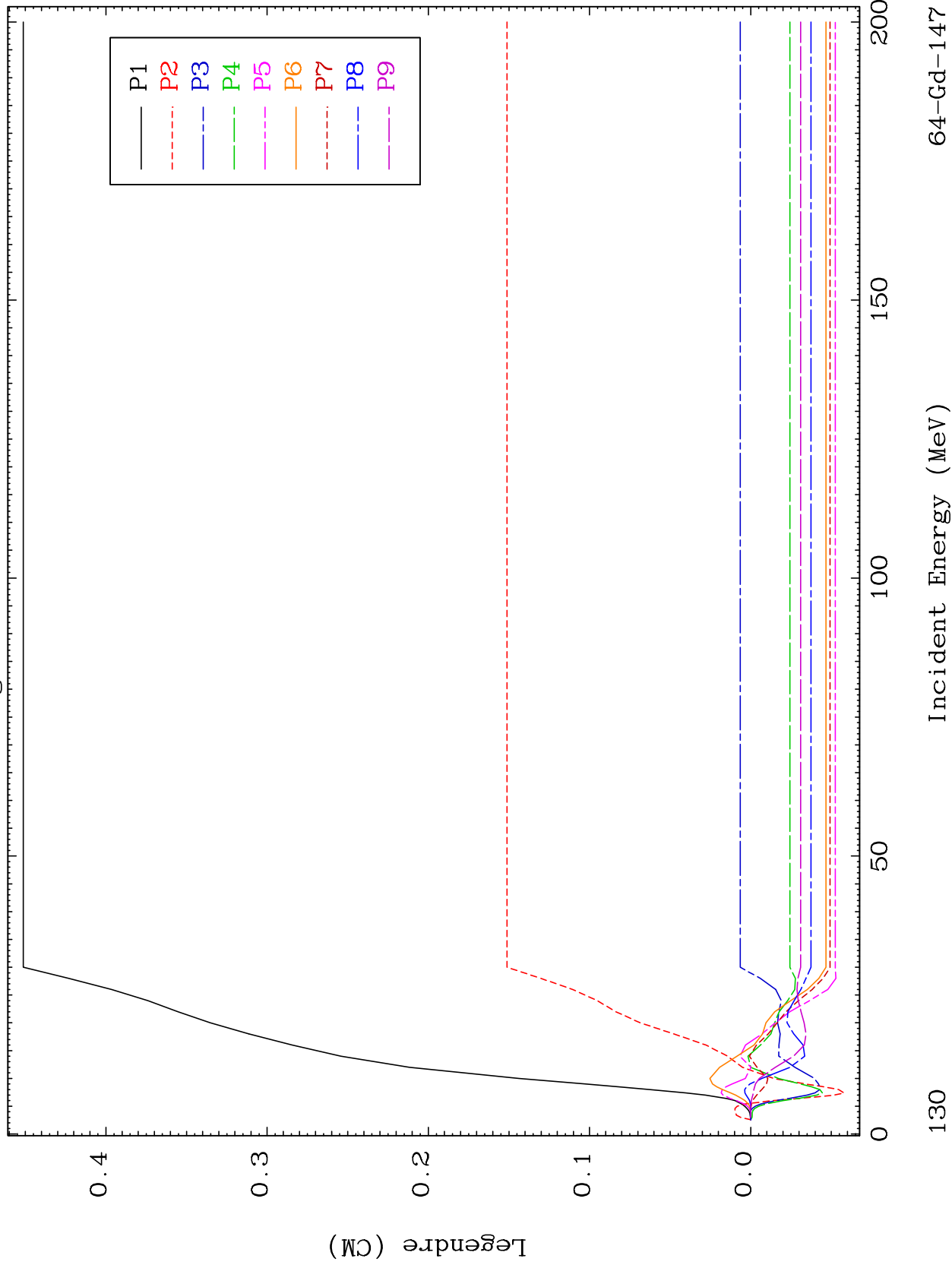




MAT 6410

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

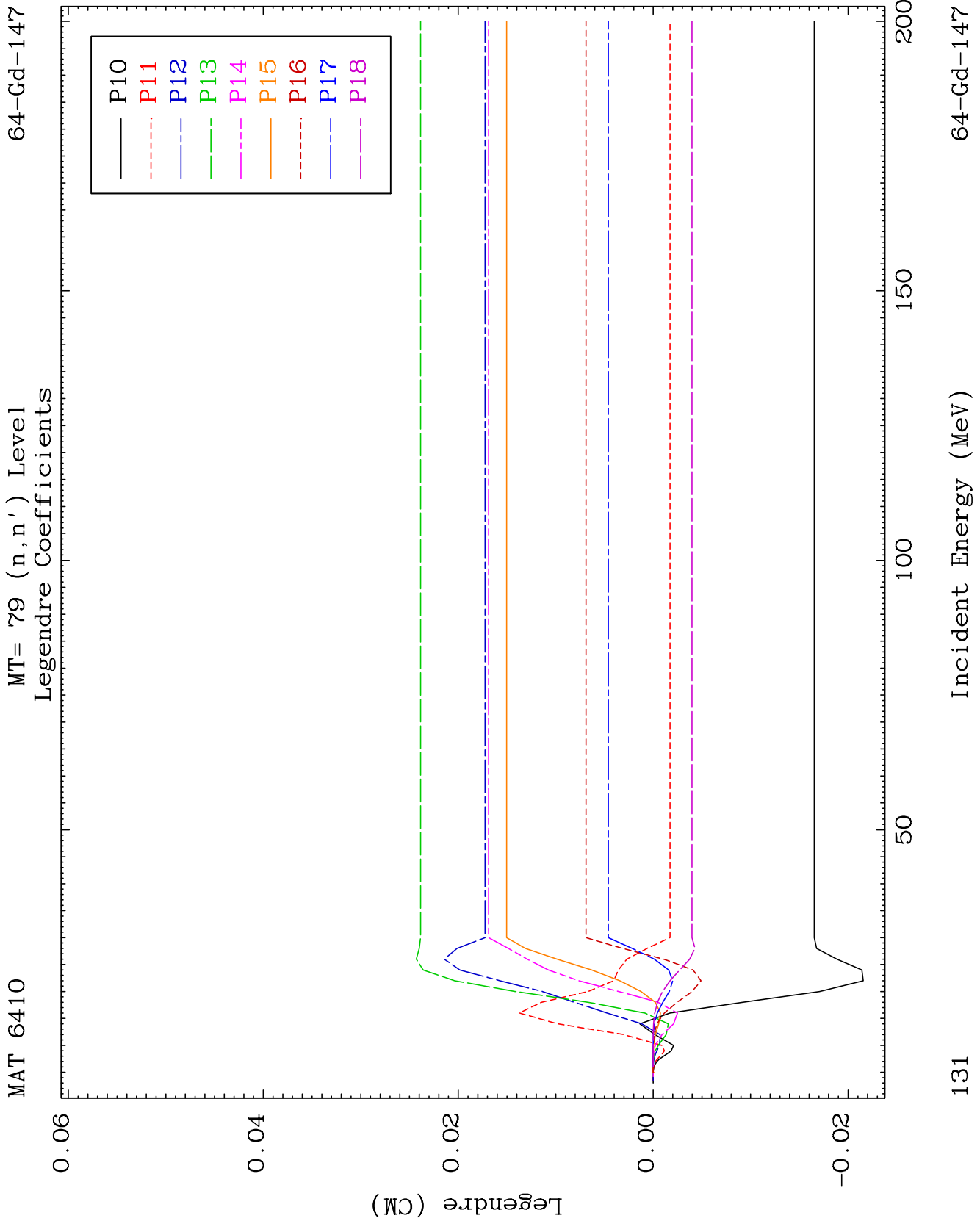
64-Gd-147



64-Gd-147

Incident Energy (MeV)

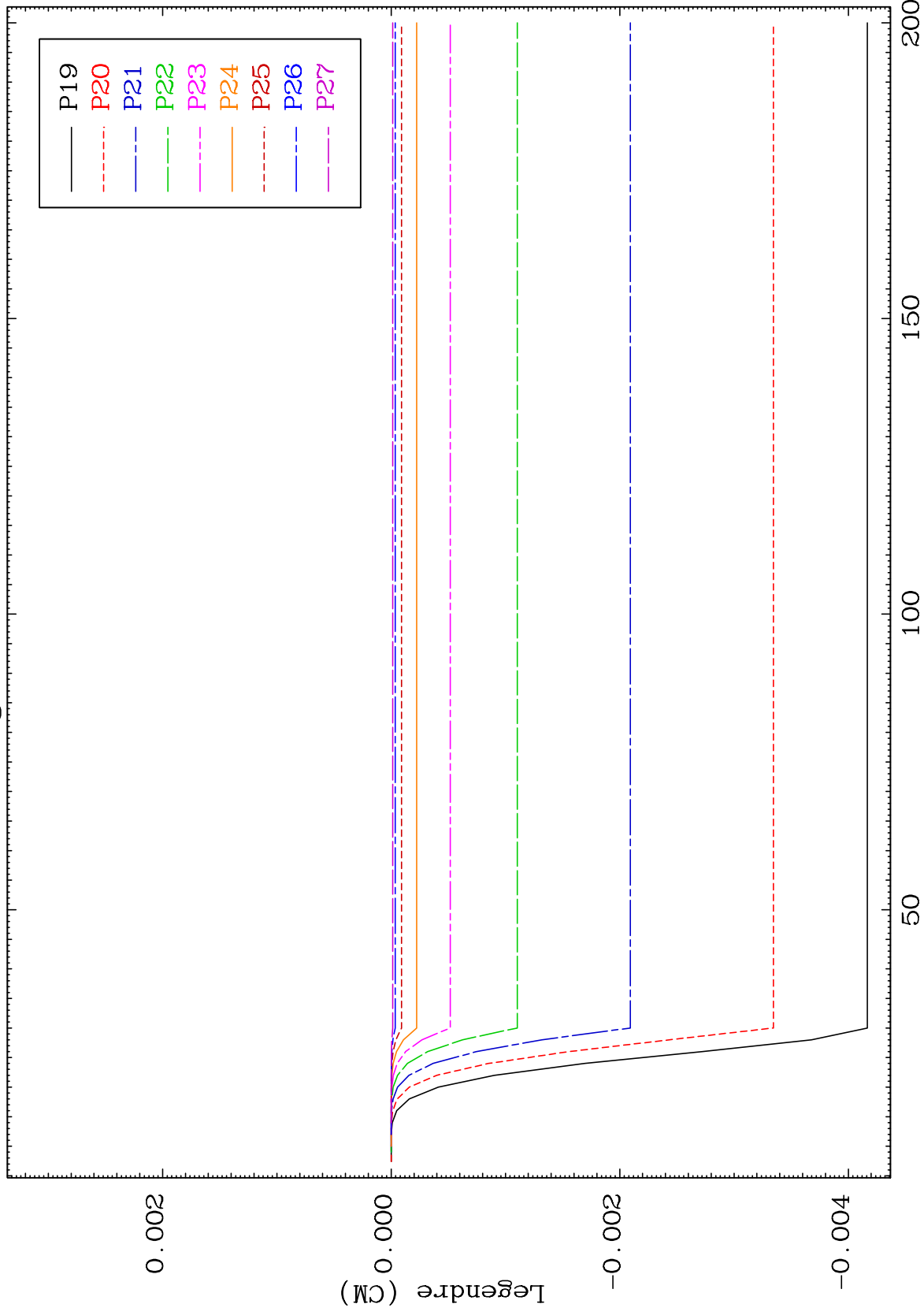
130



MAT 6410

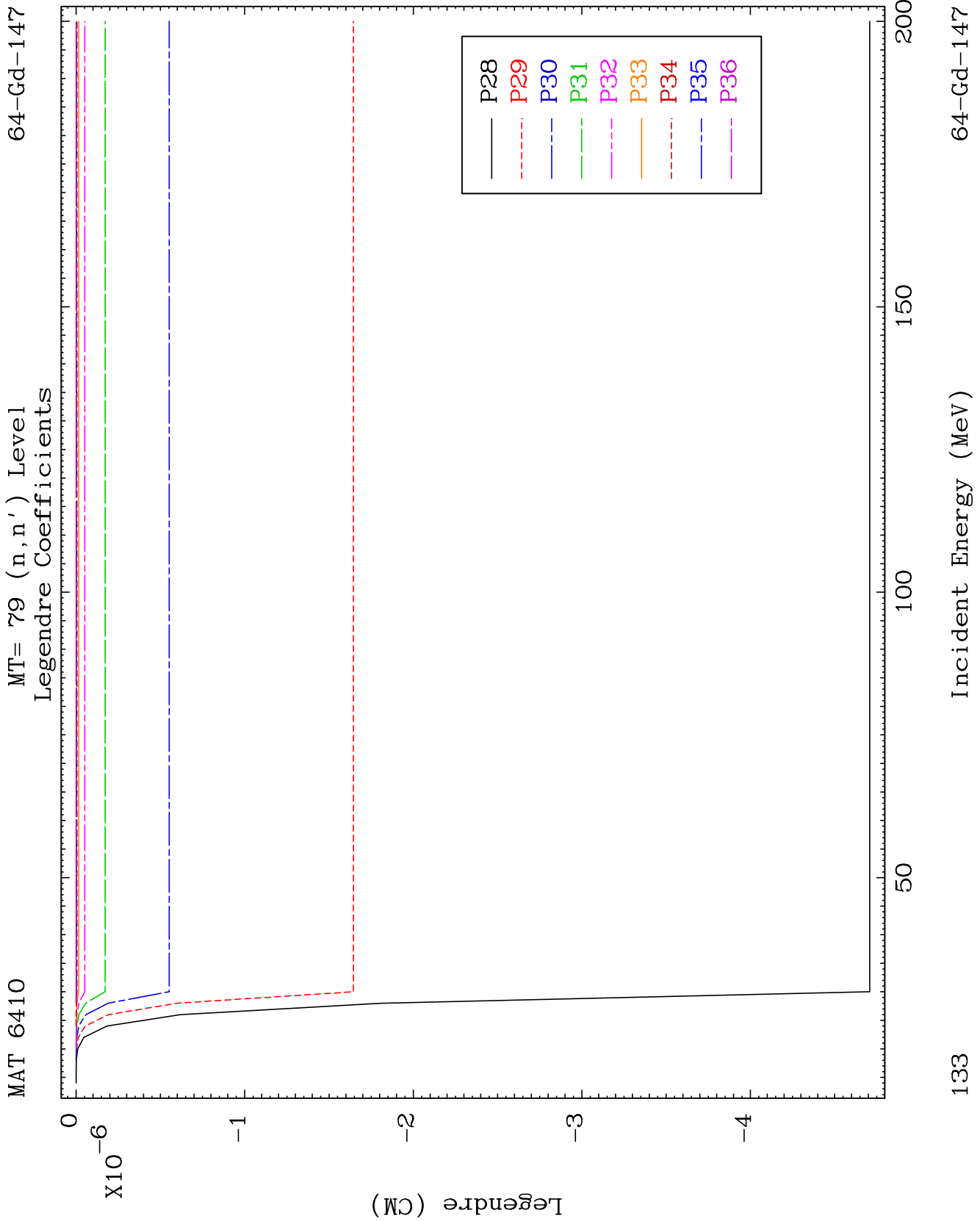
MT= 79 (n,n') Level
Legendre Coefficients

64-Gd-147



132

64-Gd-147

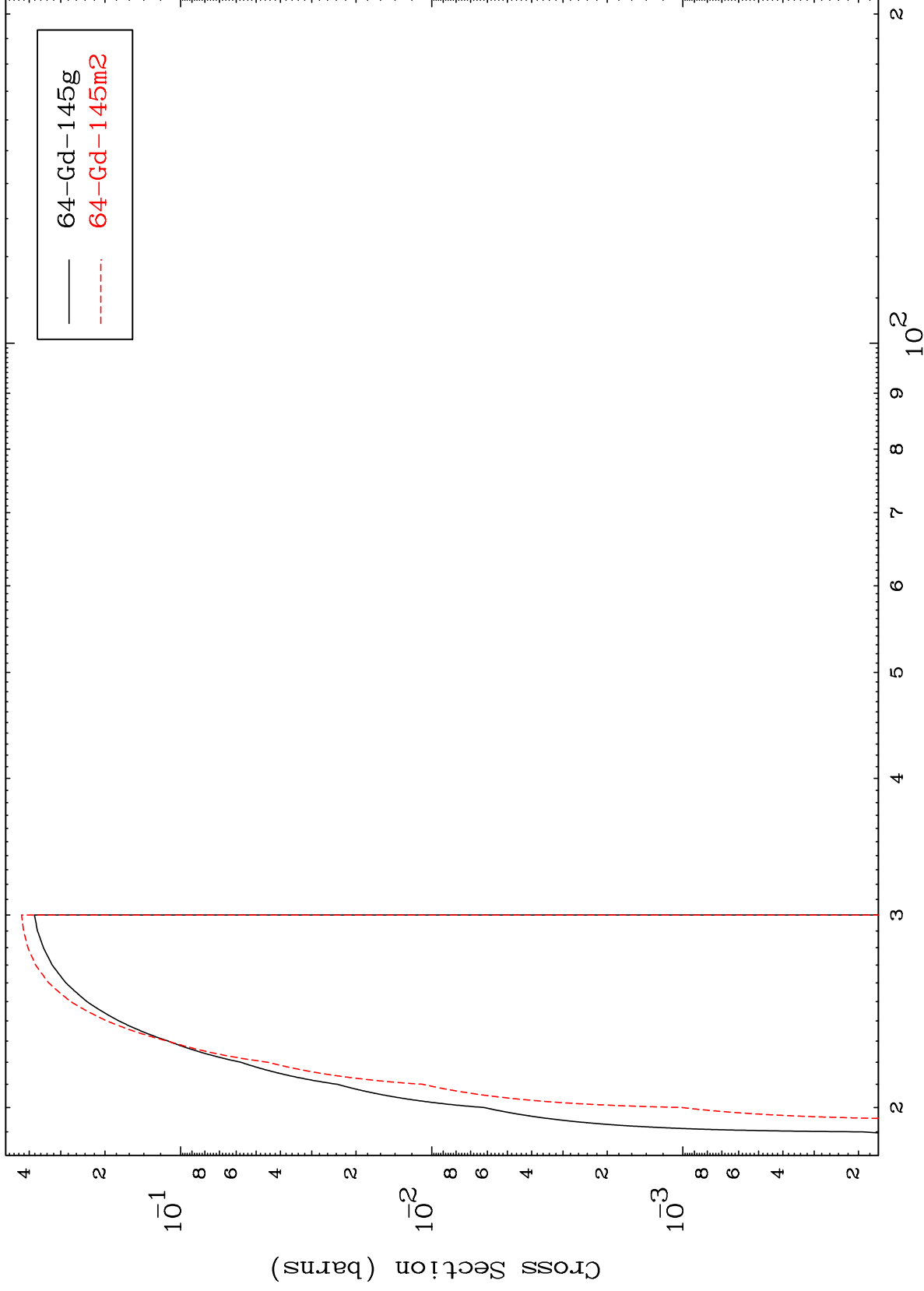


MAT 6410

(n,3n)

64-Gd-147

Radionuclide Production Cross Section



134

Incident Energy (MeV)

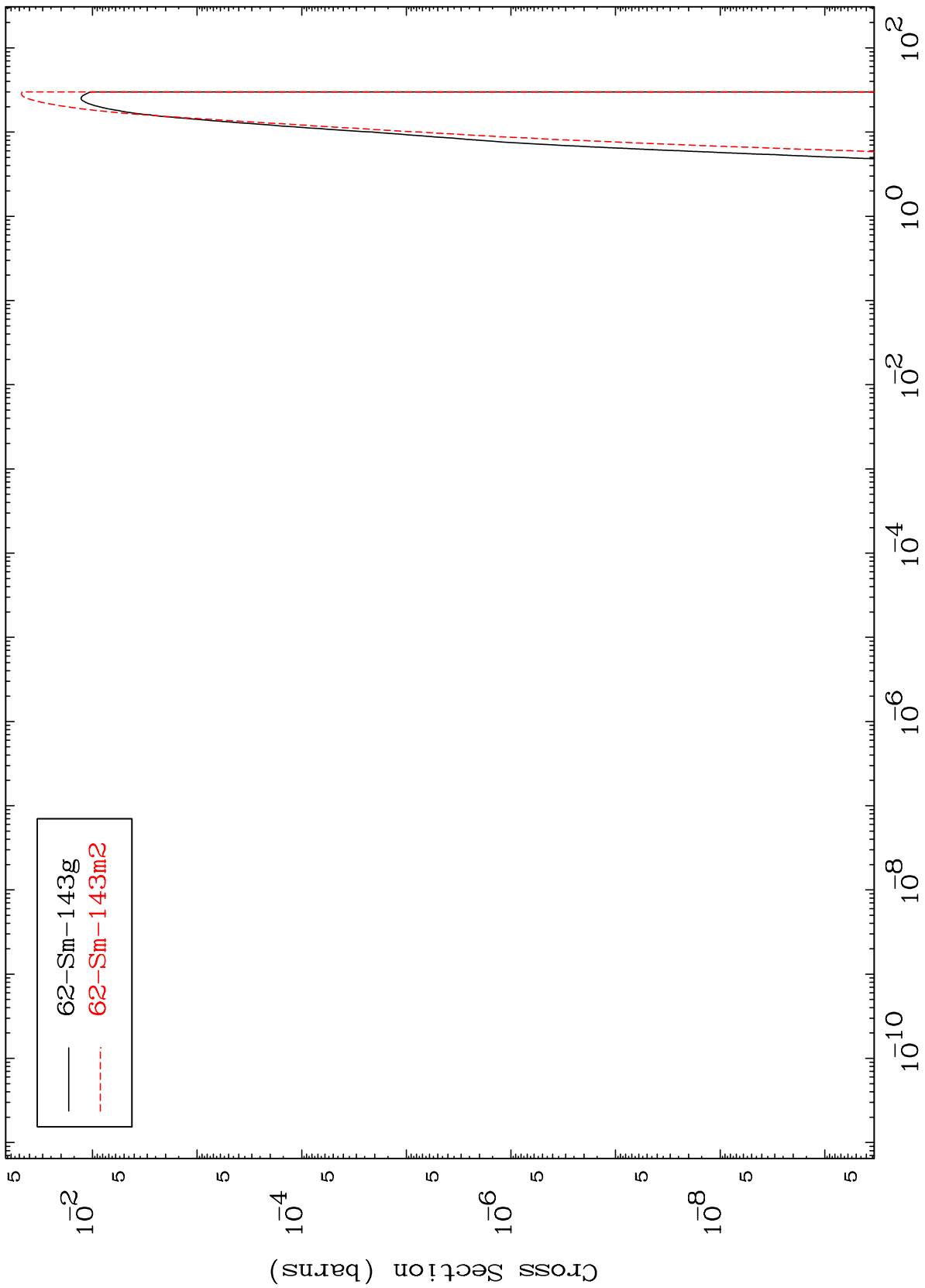
64-Gd-147

MAT 6410

$(n, n') \alpha$

64-Gd-147

Radionuclide Production Cross Section



62-Sm-143g
62-Sm-143m2

135

Incident Energy (MeV)

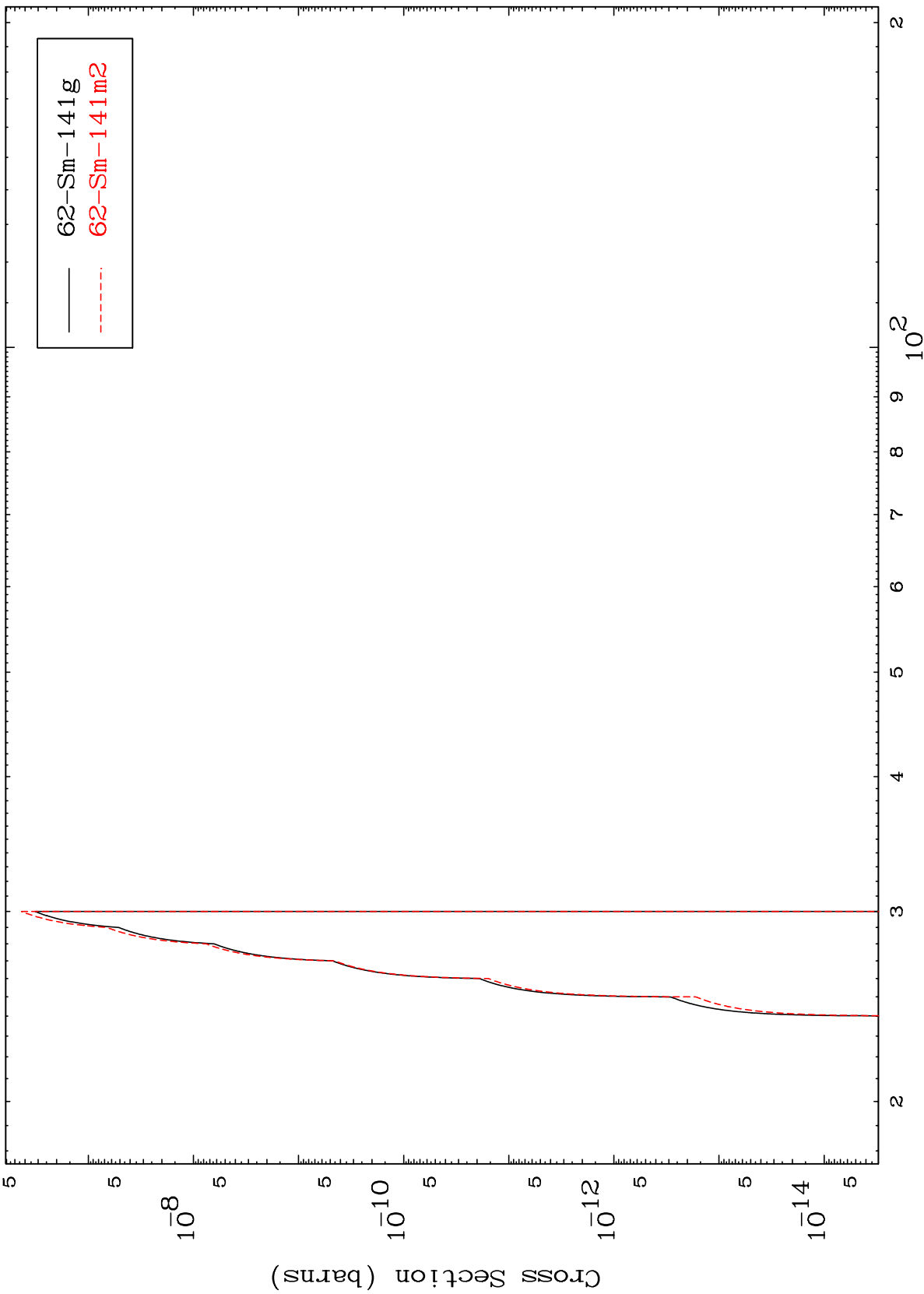
64-Gd-147

MAT 6410

$(n,3n) \alpha$

64-Gd-147

Radionuclide Production Cross Section



136

Incident Energy (MeV)

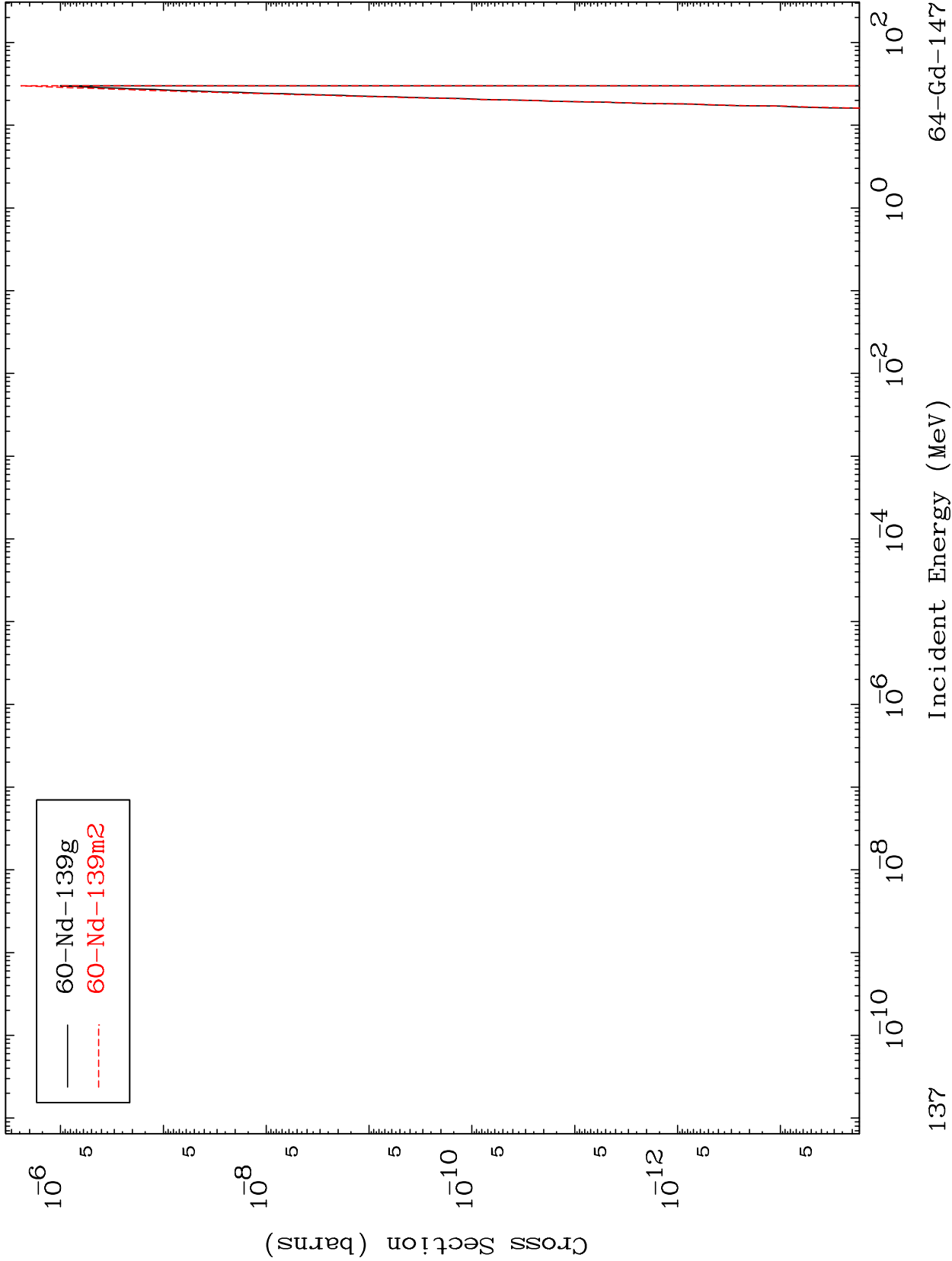
64-Gd-147

MAT 6410

(n,n') 2α

64-Gd-147

Radionuclide Production Cross Section



137

Incident Energy (MeV)

64-Gd-147