

Program EVALPLOT
(Version 2018-1)

by

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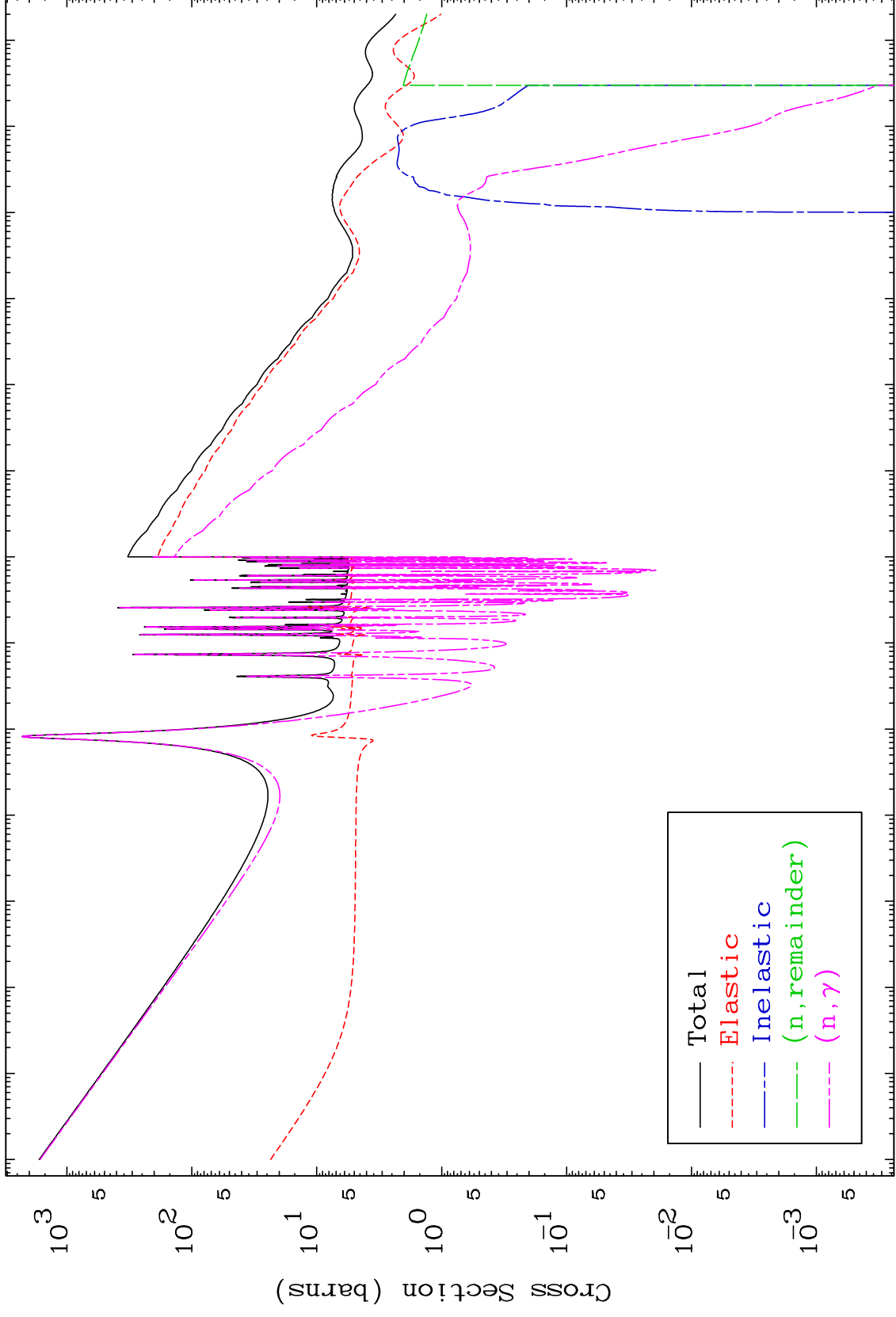
Press Mouse Button to Start

MAT 6410

Major

293 Kelvin Cross Sections

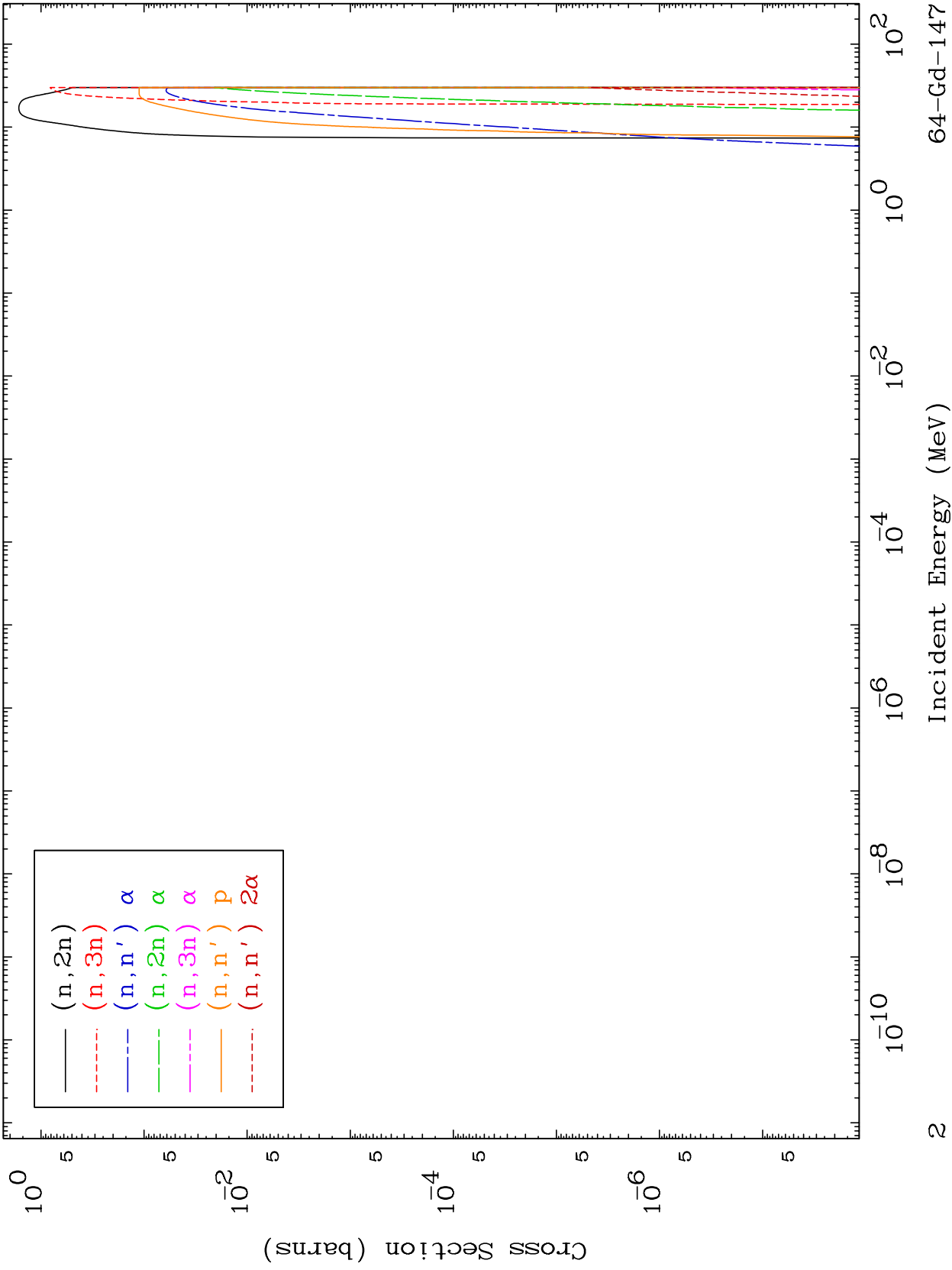
64-Gd-147

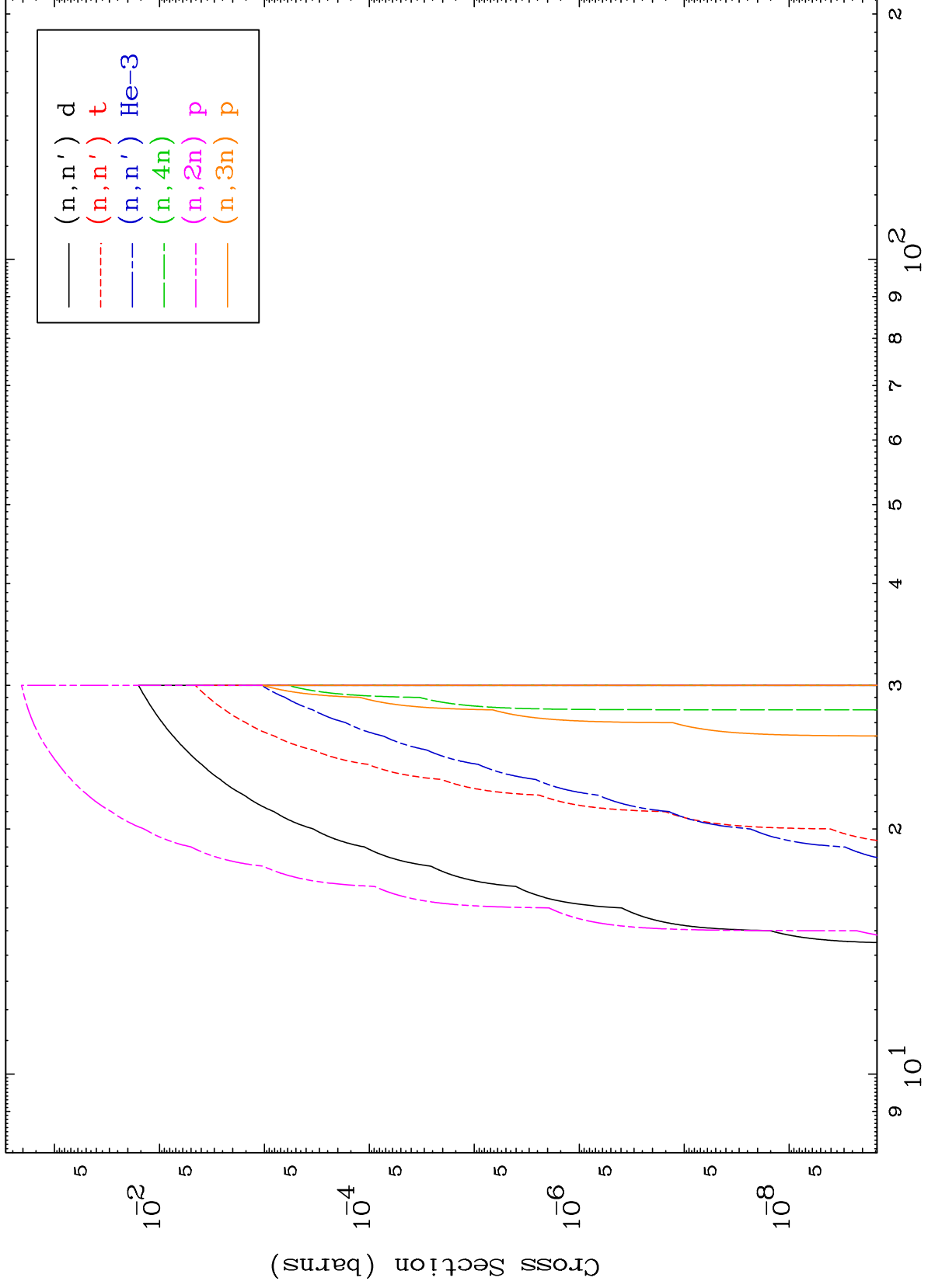


MAT 6410

Neutron Production
293 Kelvin Cross Sections

64-Gd-147

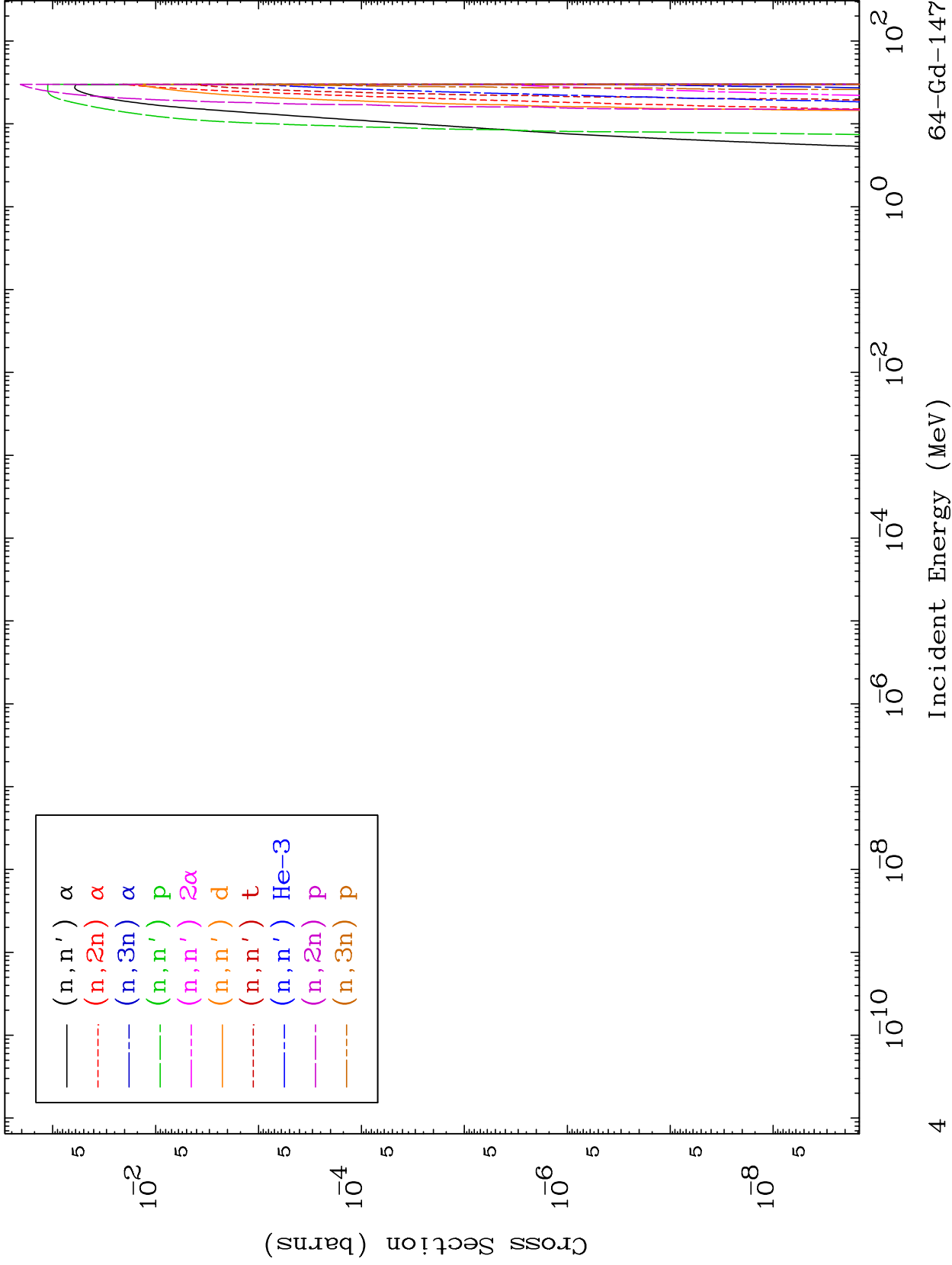




MAT 6410

Charged Particle
293 Kelvin Cross Sections

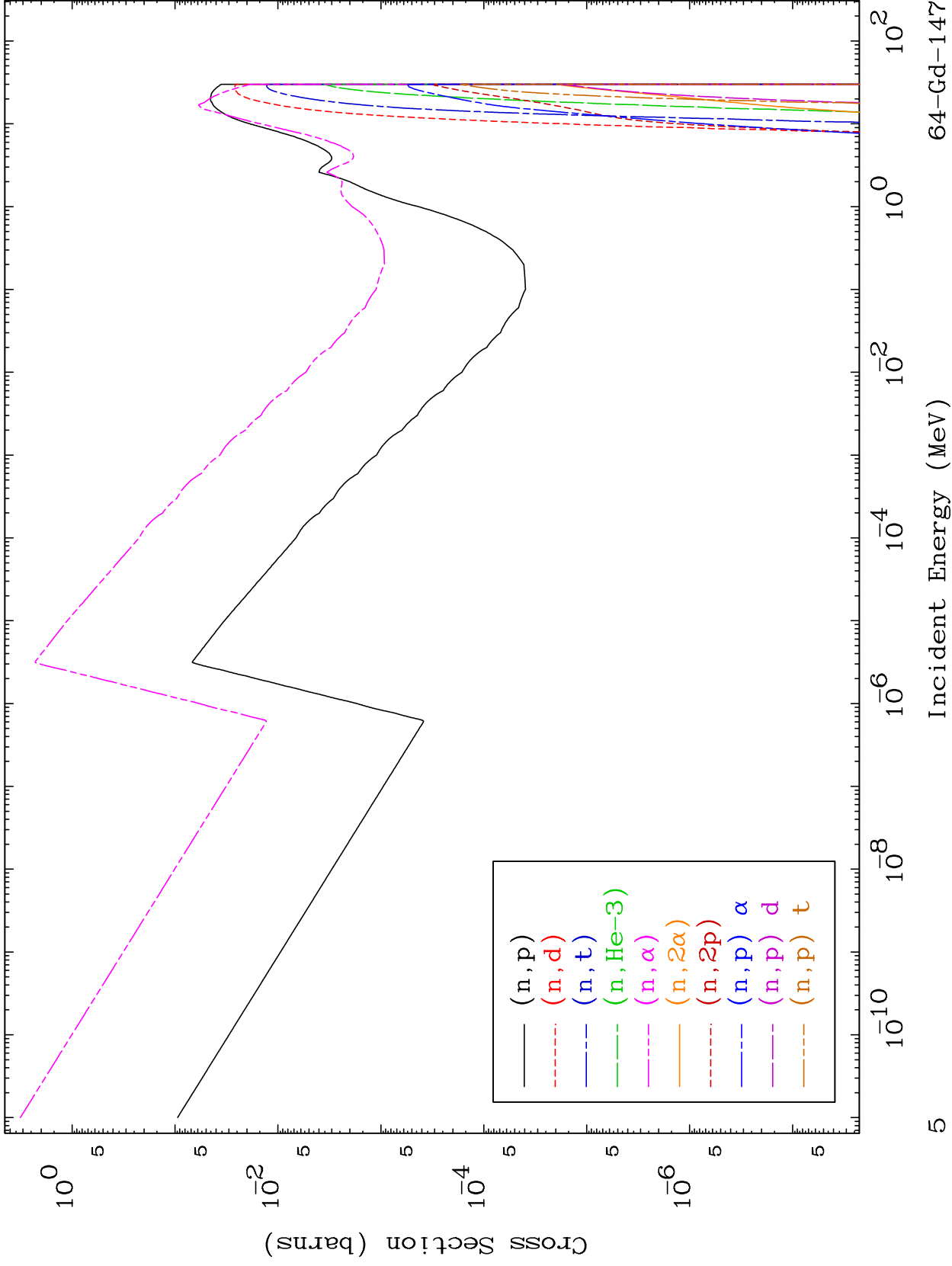
64-Gd-147



MAT 6410

Charged Particle
293 Kelvin Cross Sections

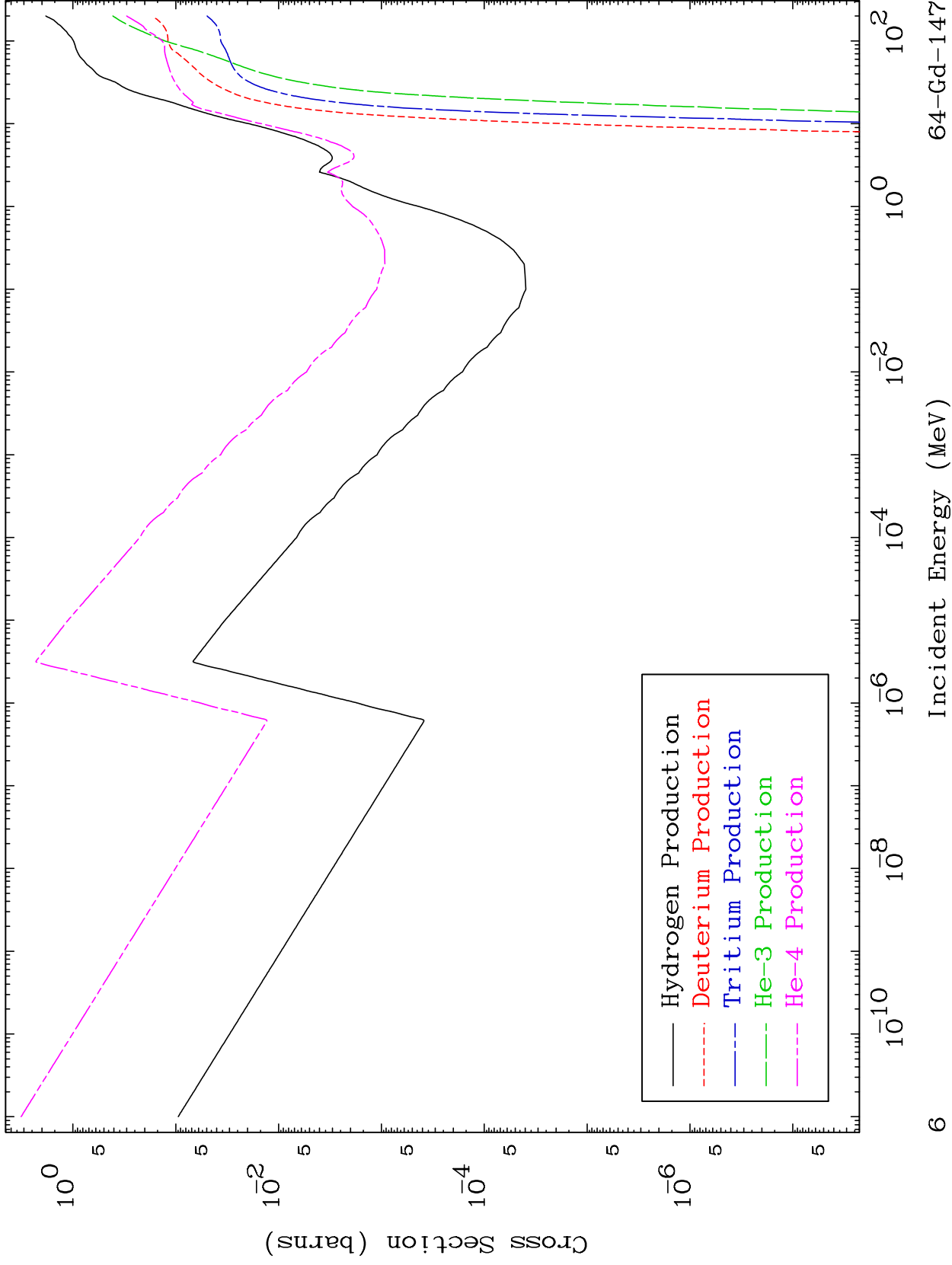
64-Gd-147



MAT 6410

Particle Production
293 Kelvin Cross Sections

64-Gd-147

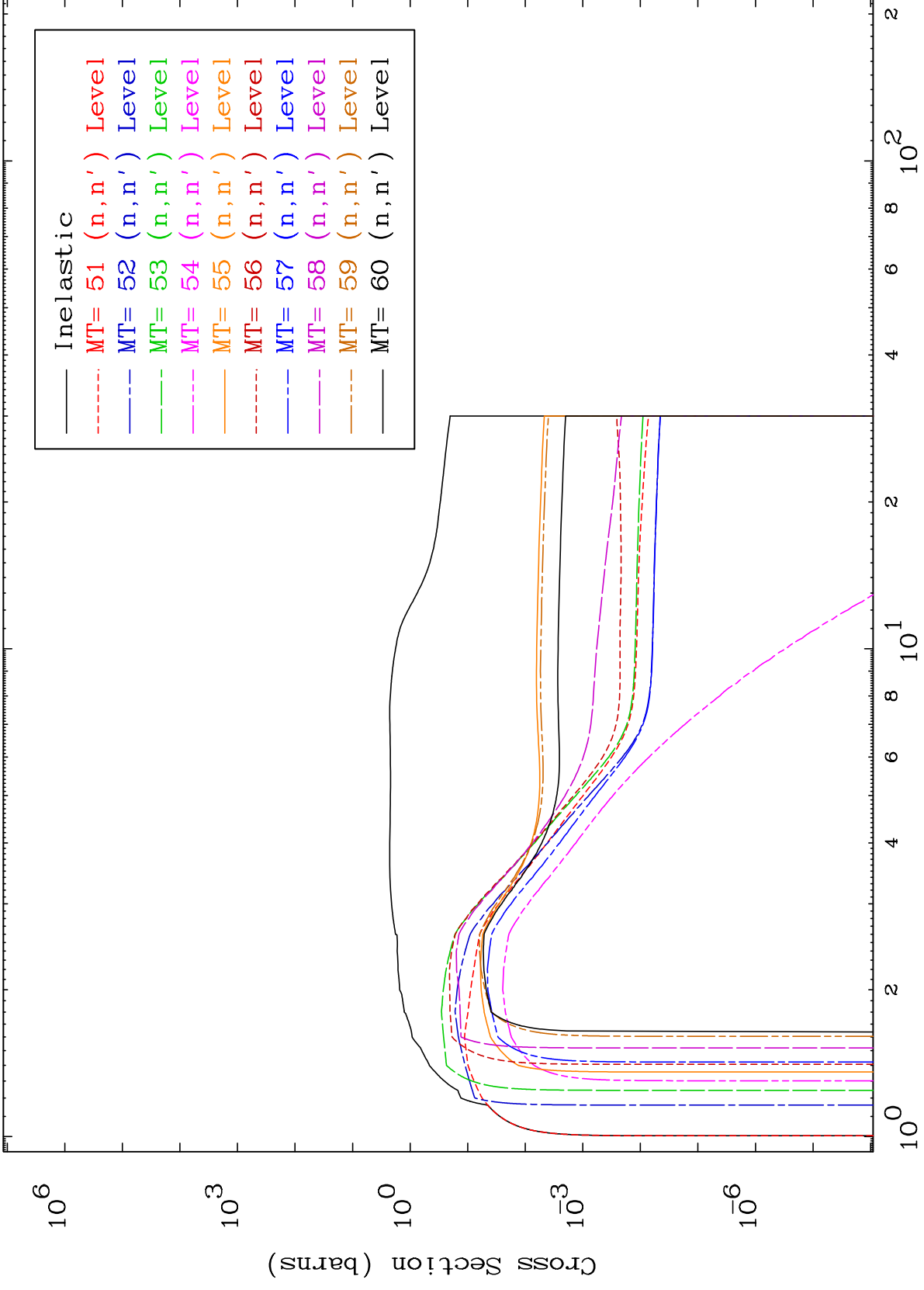


MAT 6410

(n,n') Level

64-Gd-147

293 Kelvin Cross Sections



Incident Energy (MeV)

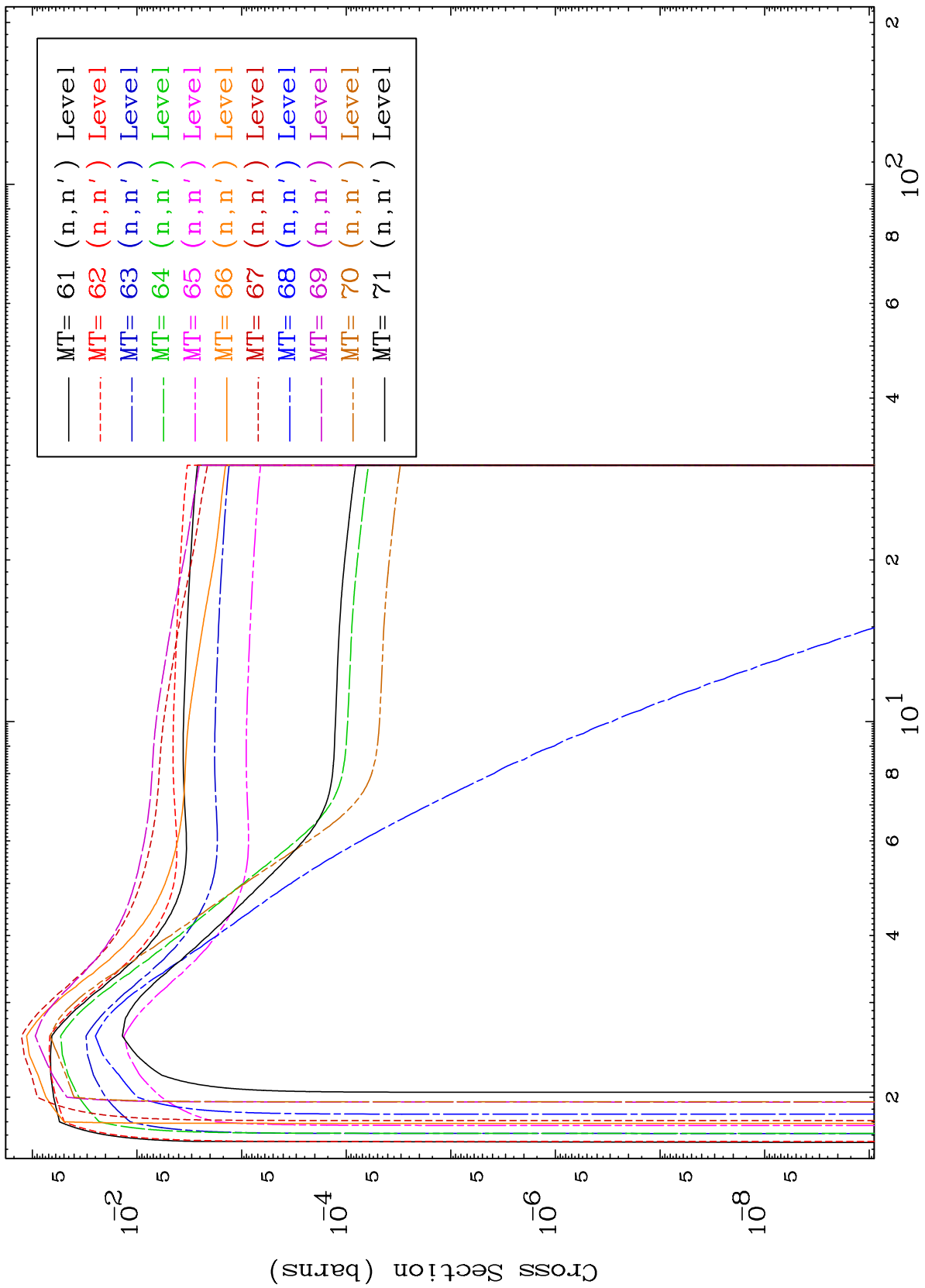
64-Gd-147

MAT 6410

(n,n') Level

64-Gd-147

293 Kelvin Cross Sections



8

Incident Energy (MeV)

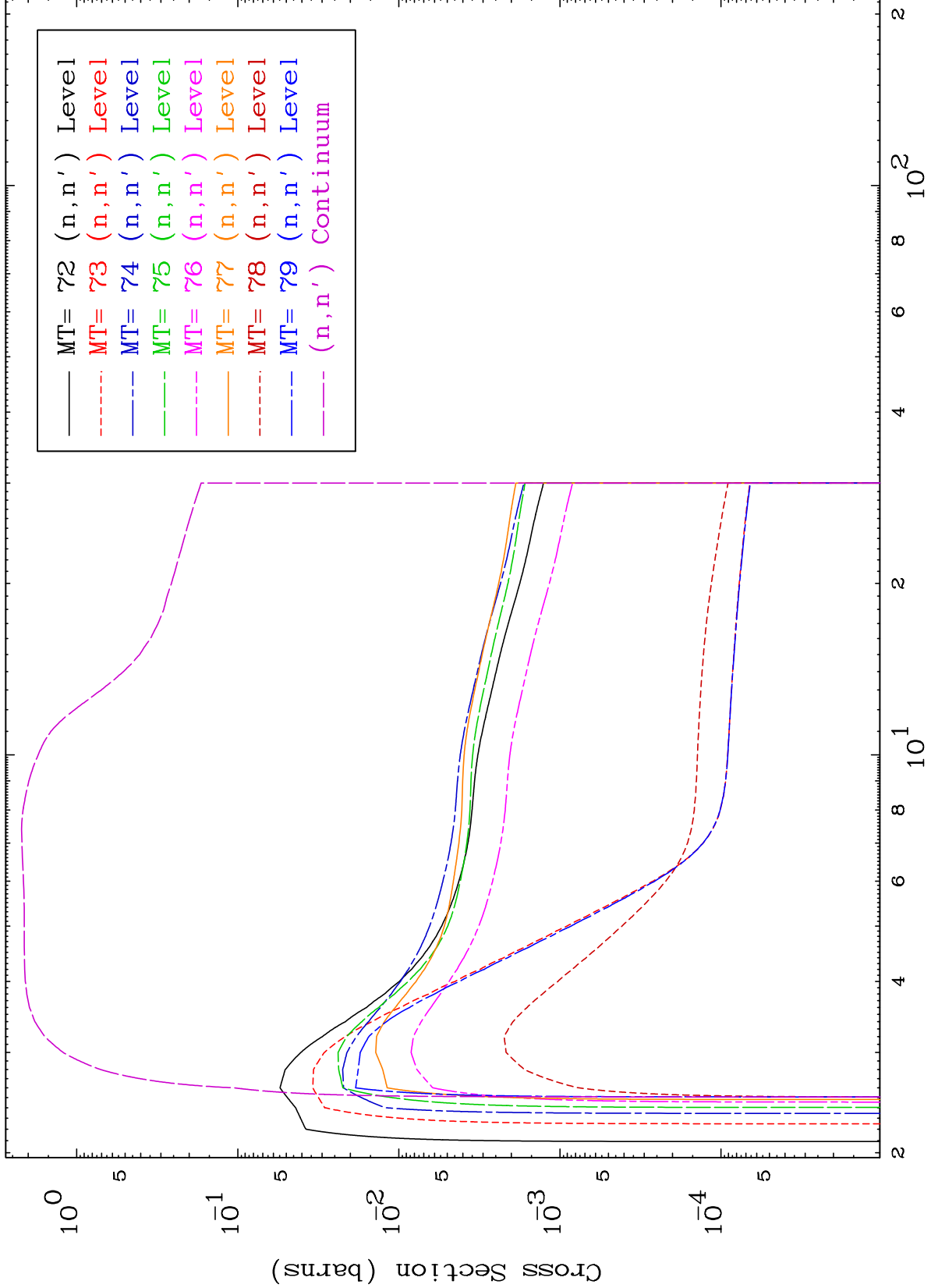
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MAT 6410

(n,n') Level

64-Gd-147

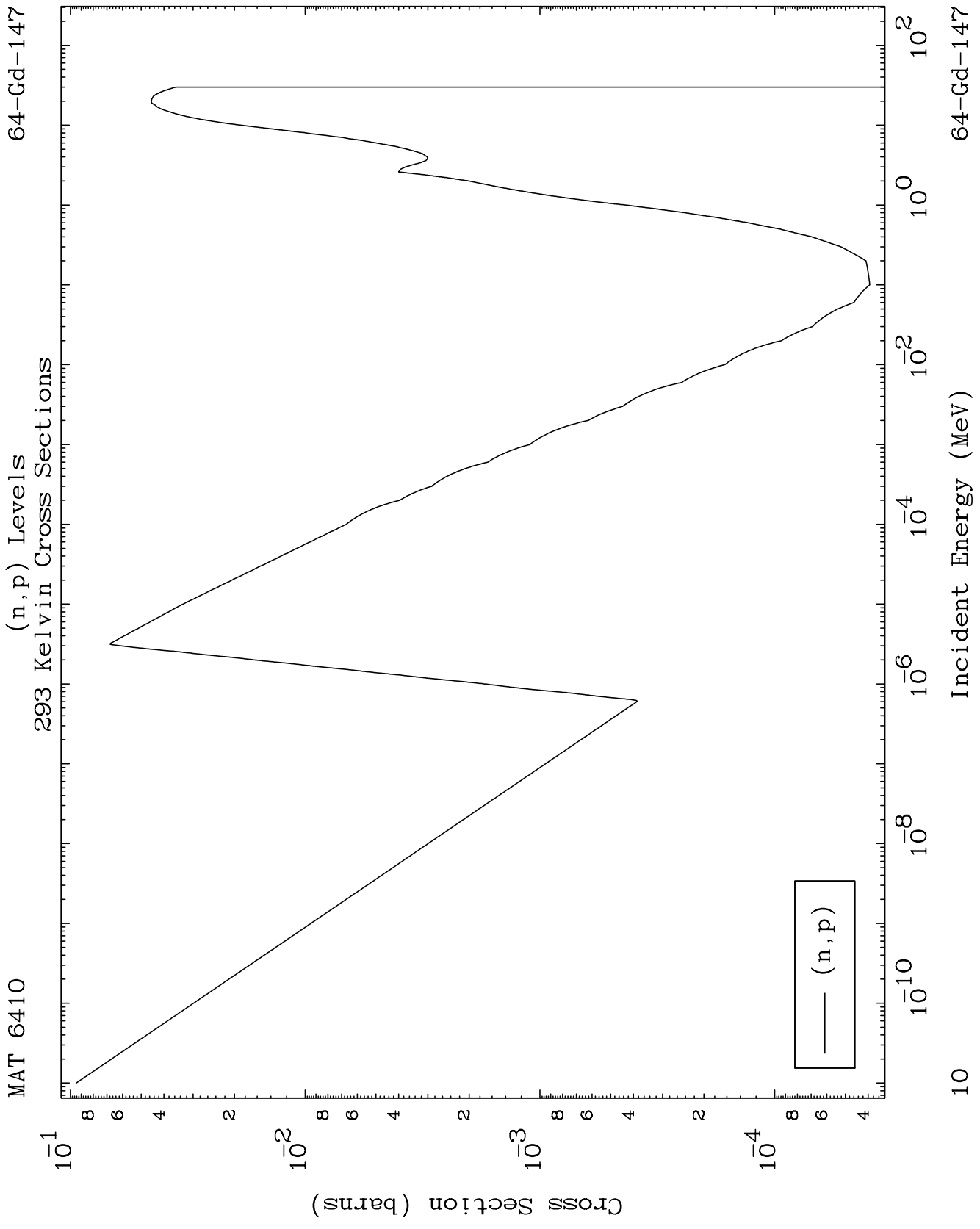
293 Kelvin Cross Sections



9

Incident Energy (MeV)

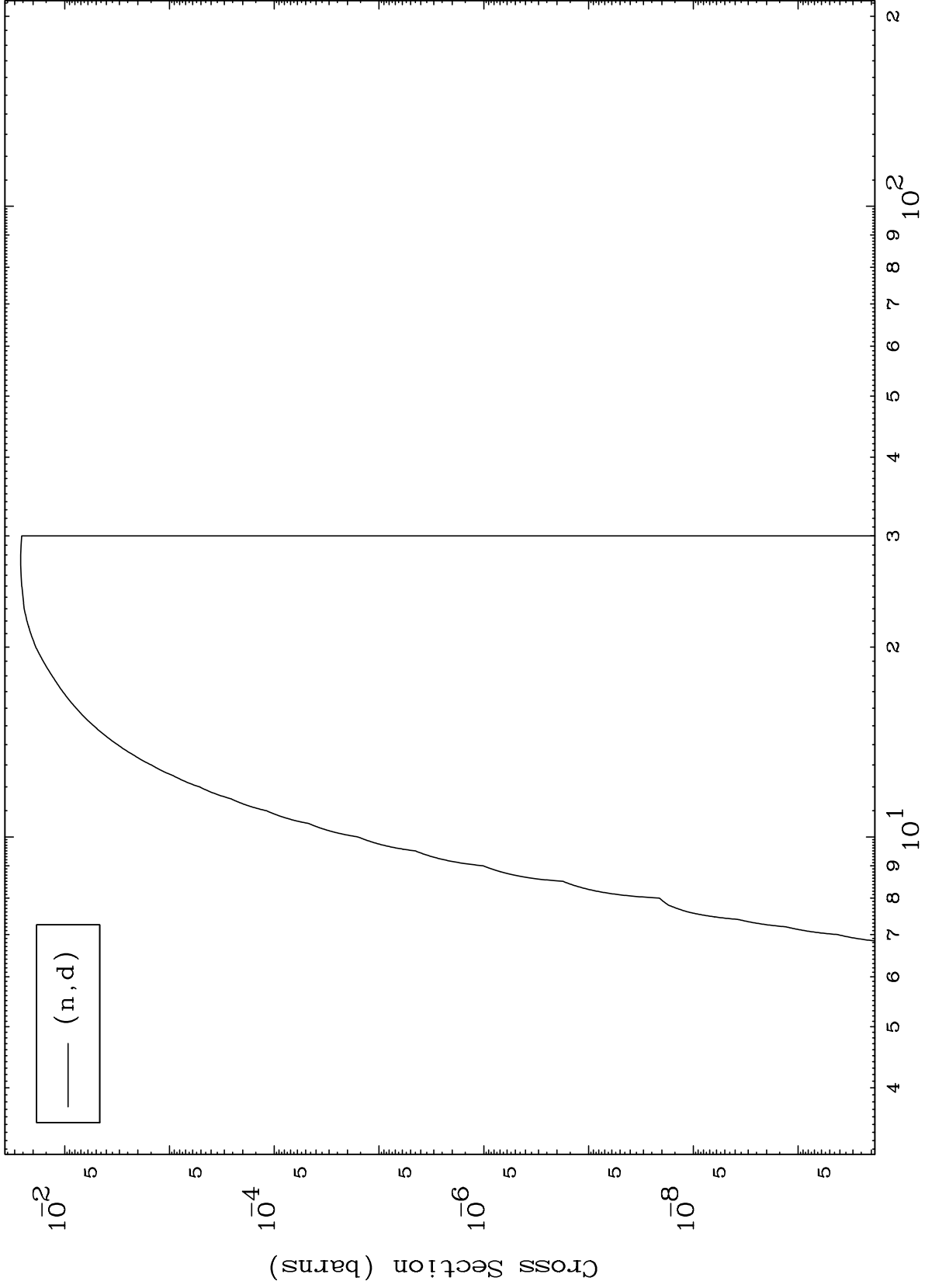
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MAT 6410

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-147

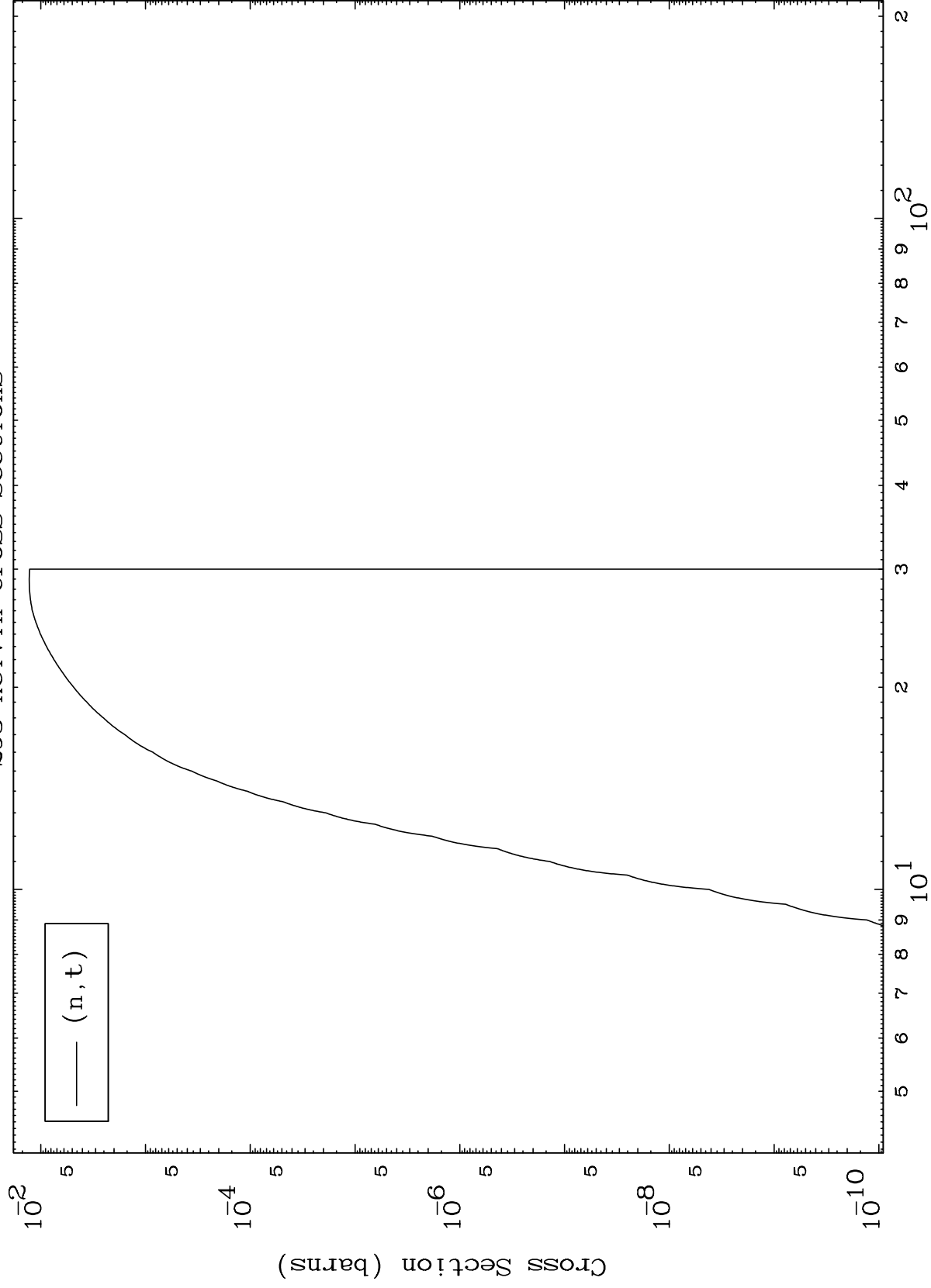


(n,d)

MAT 6410

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-147



12

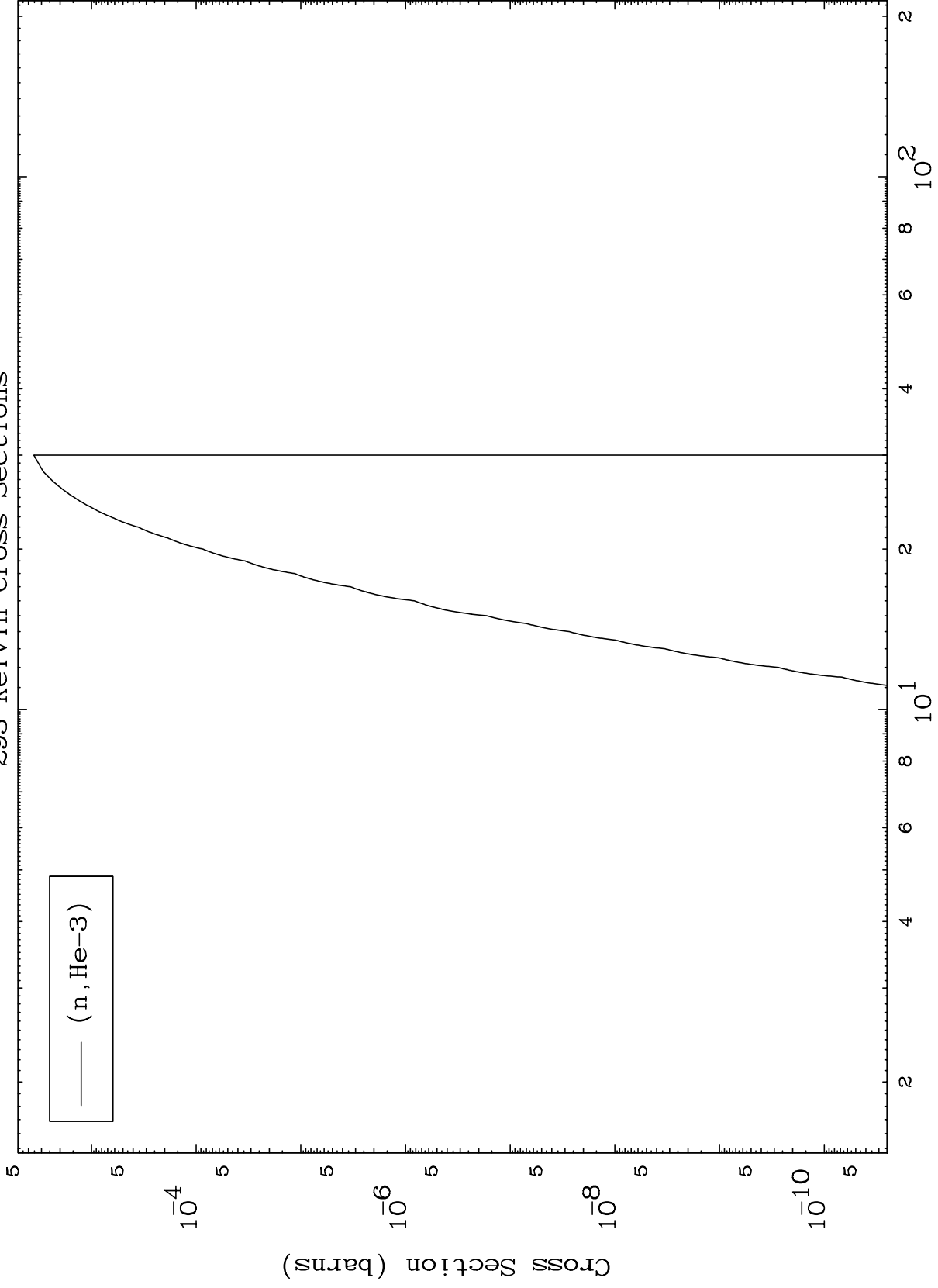
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-147



13

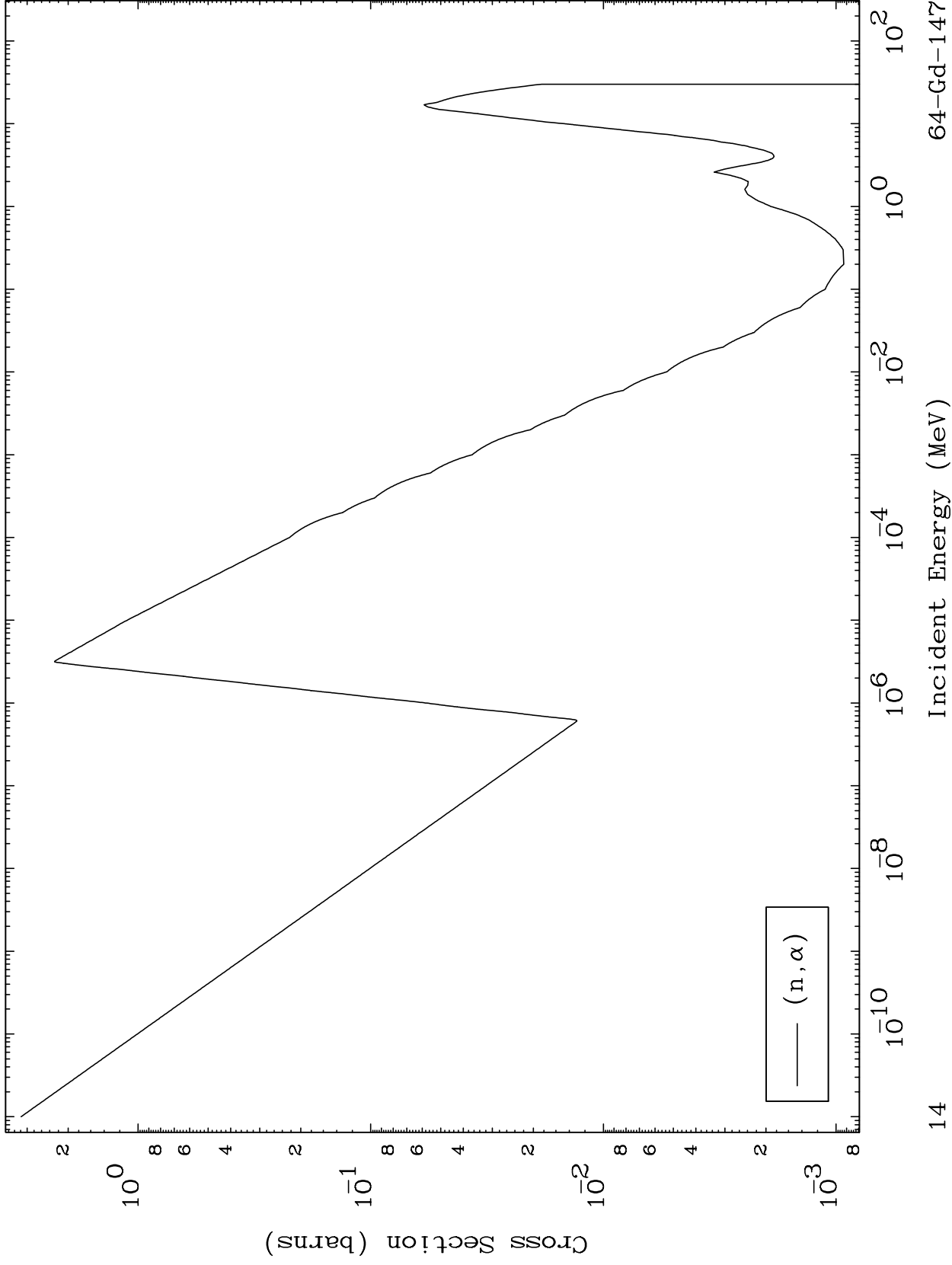
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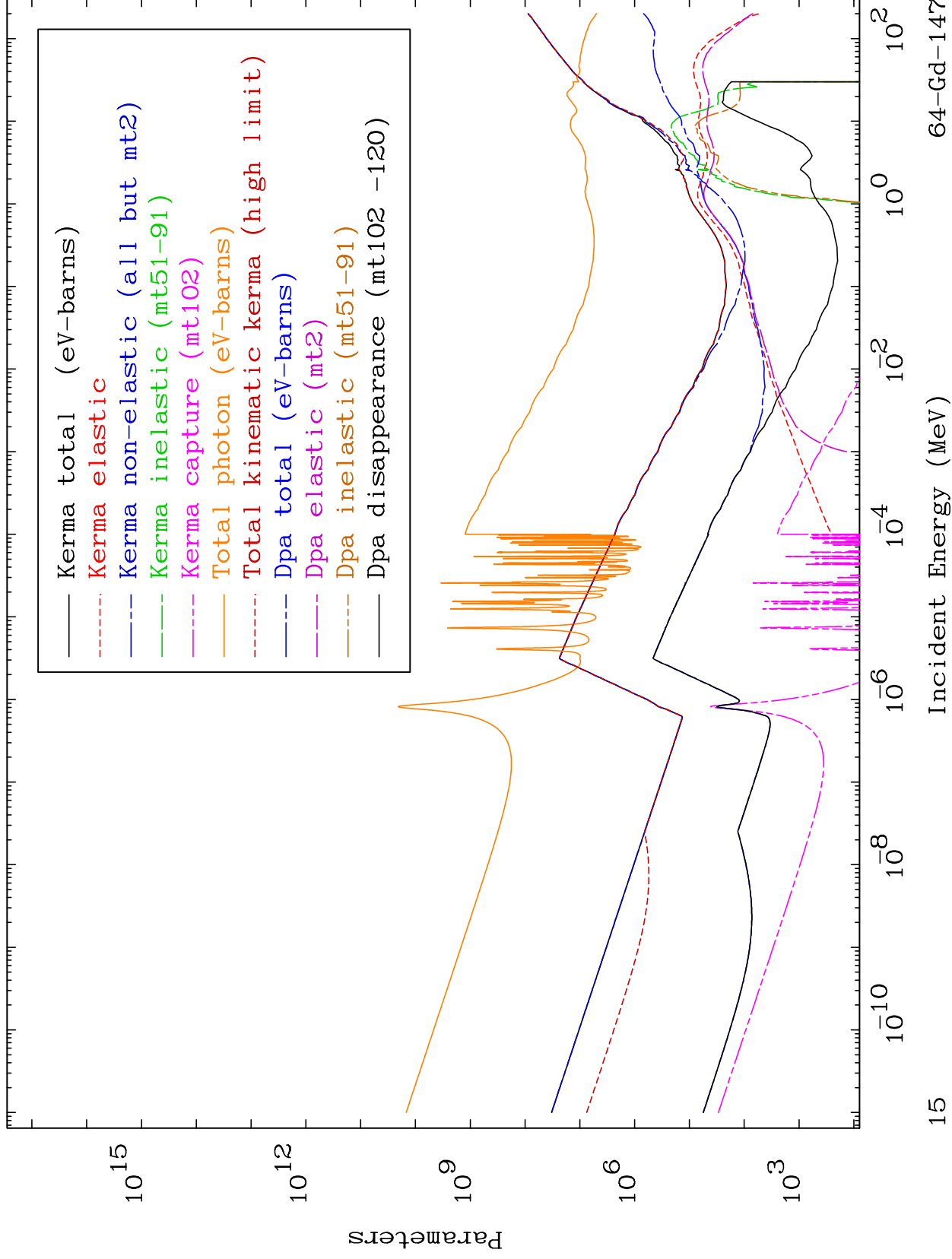
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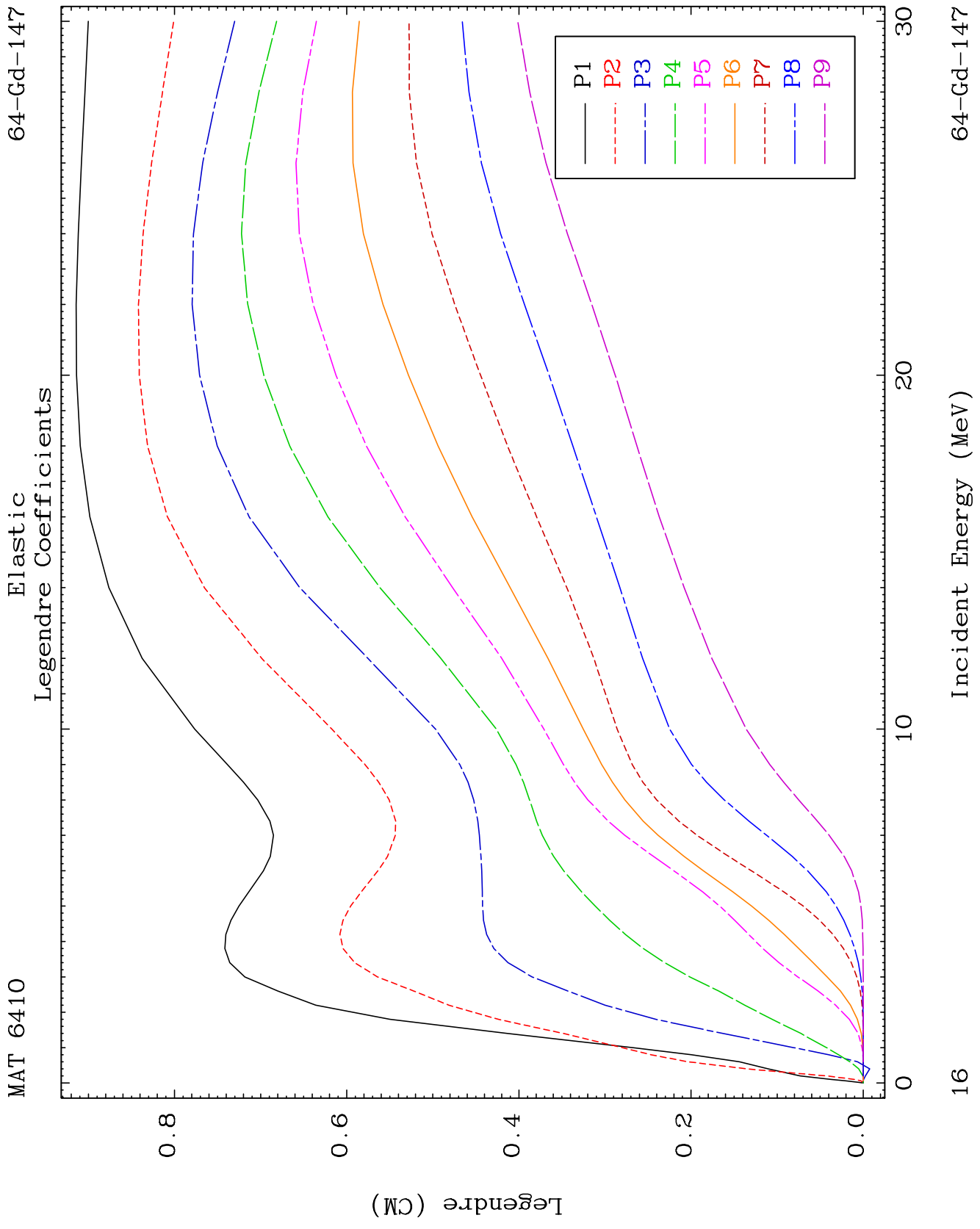
MAT 6410

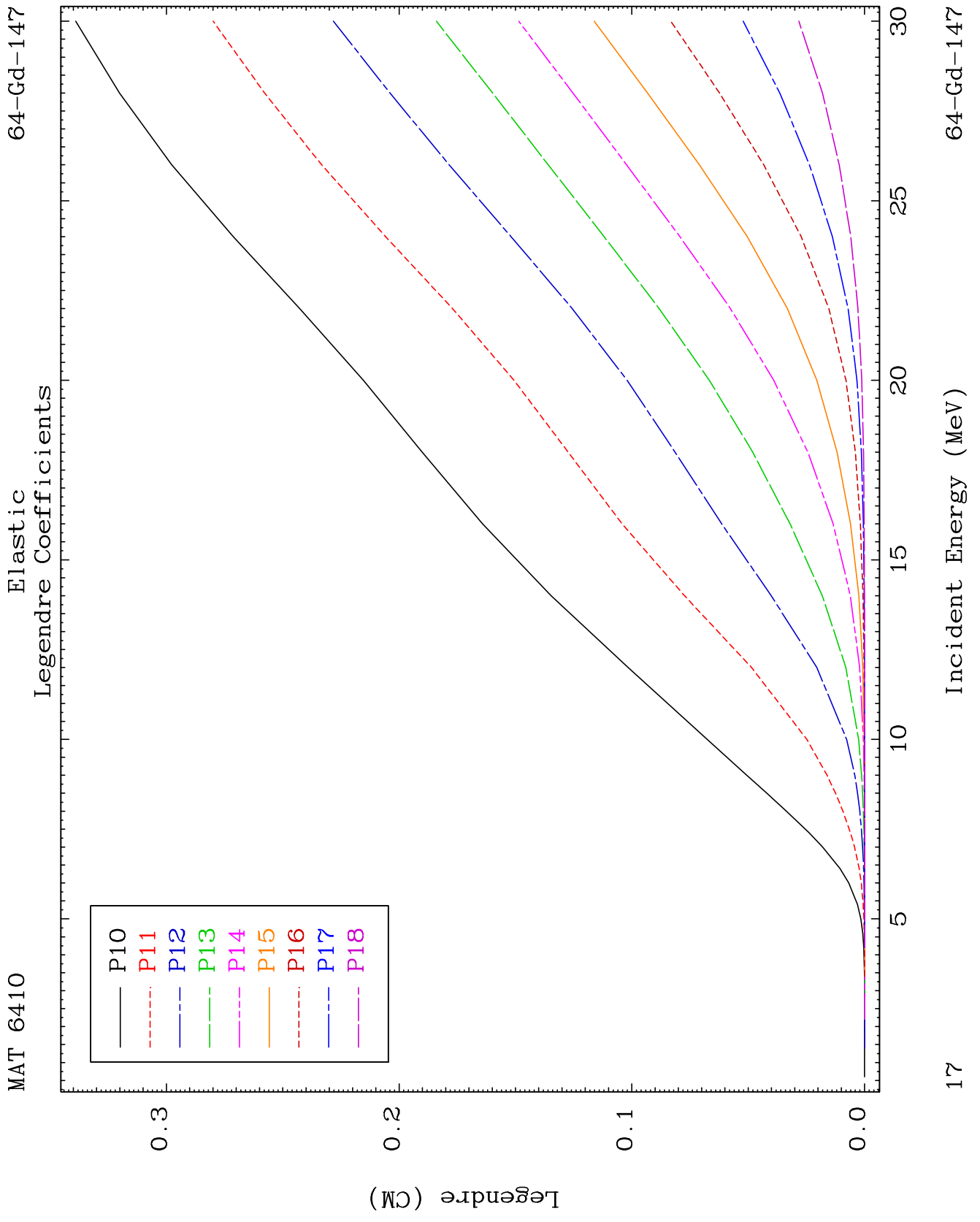
(n, α) Levels
293 Kelvin Cross Sections

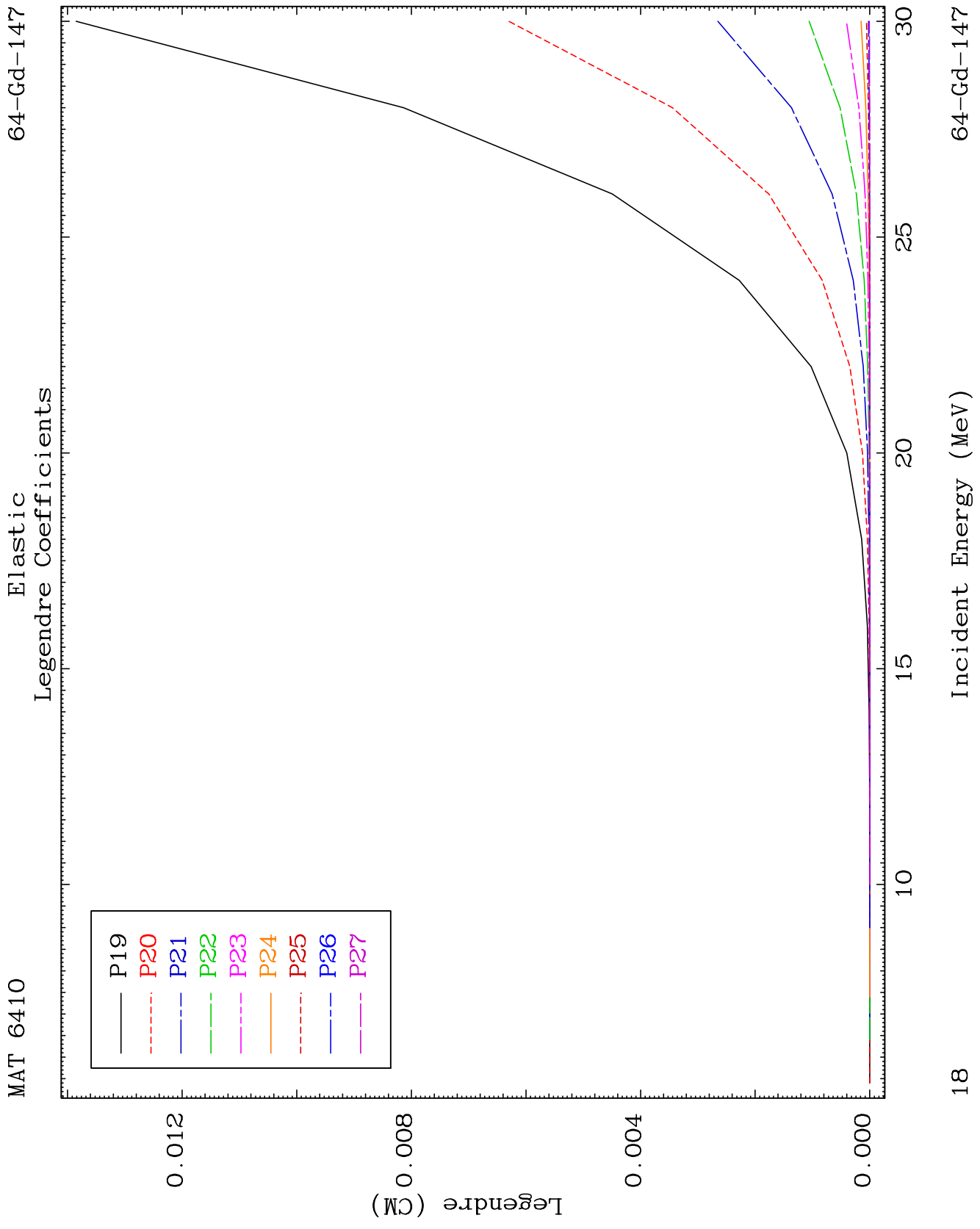
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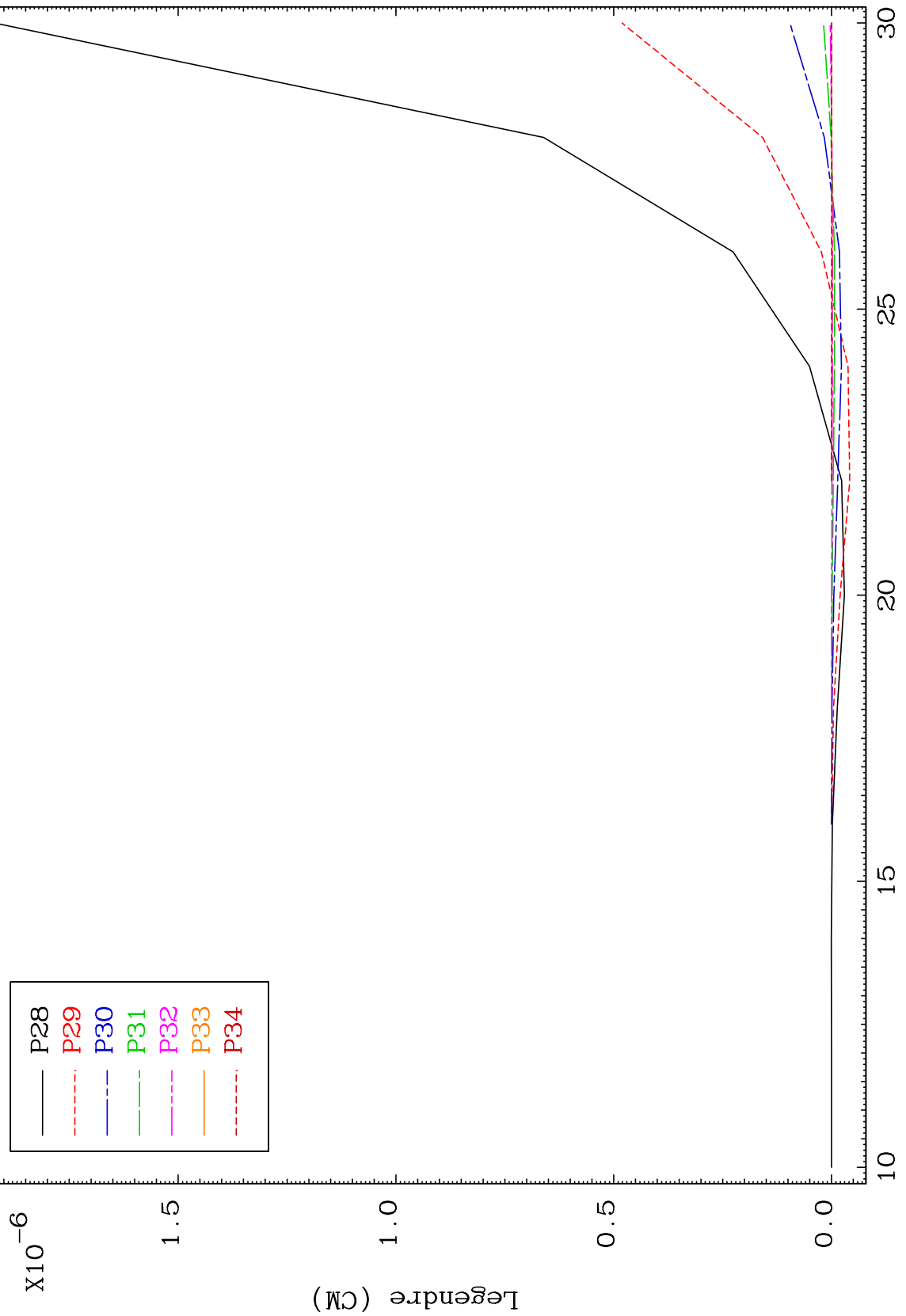
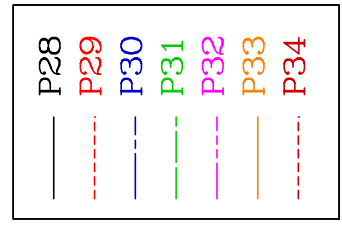




MAT 6410

Elastic Legendre Coefficients

64-Gd-147



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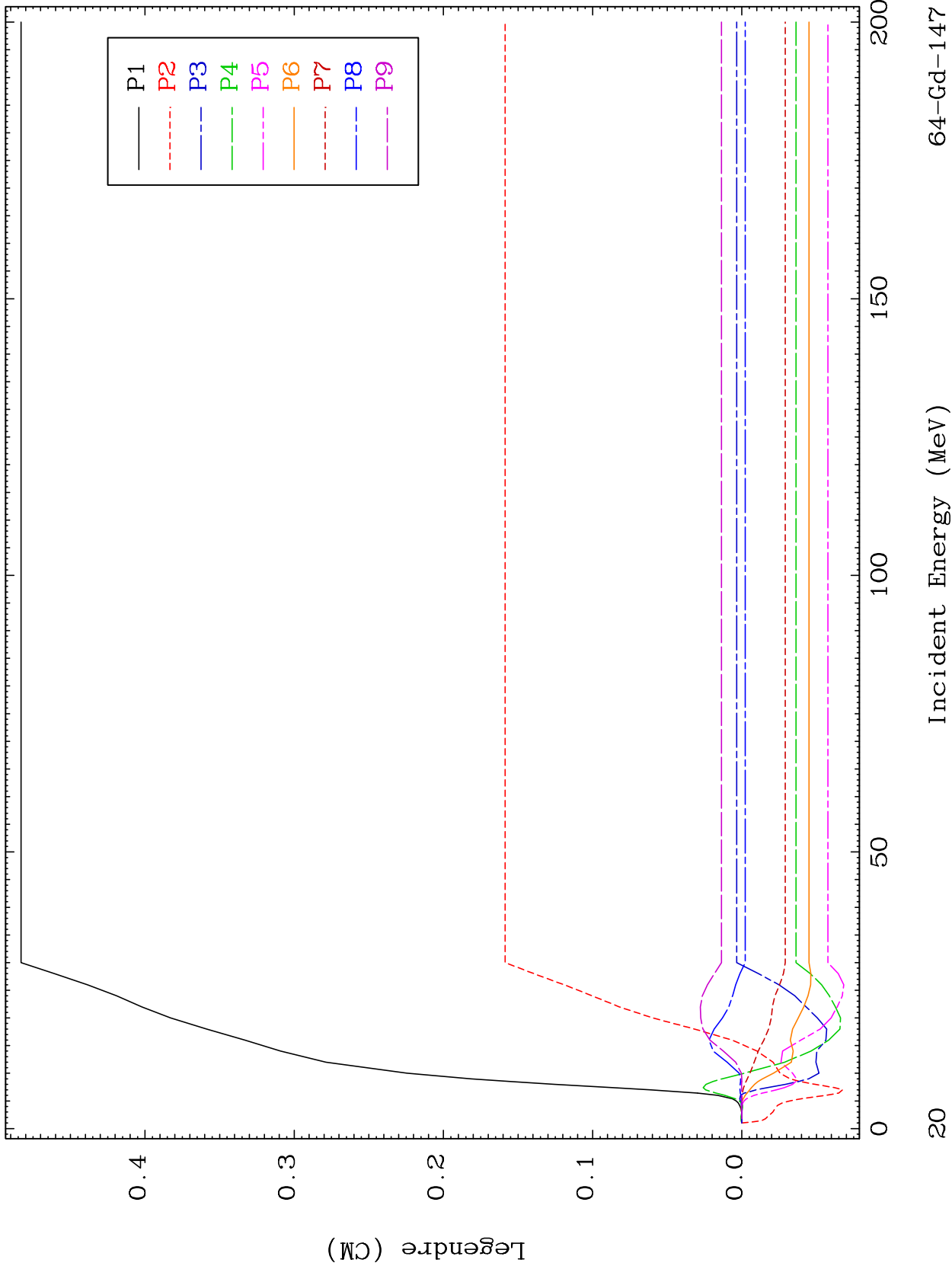
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

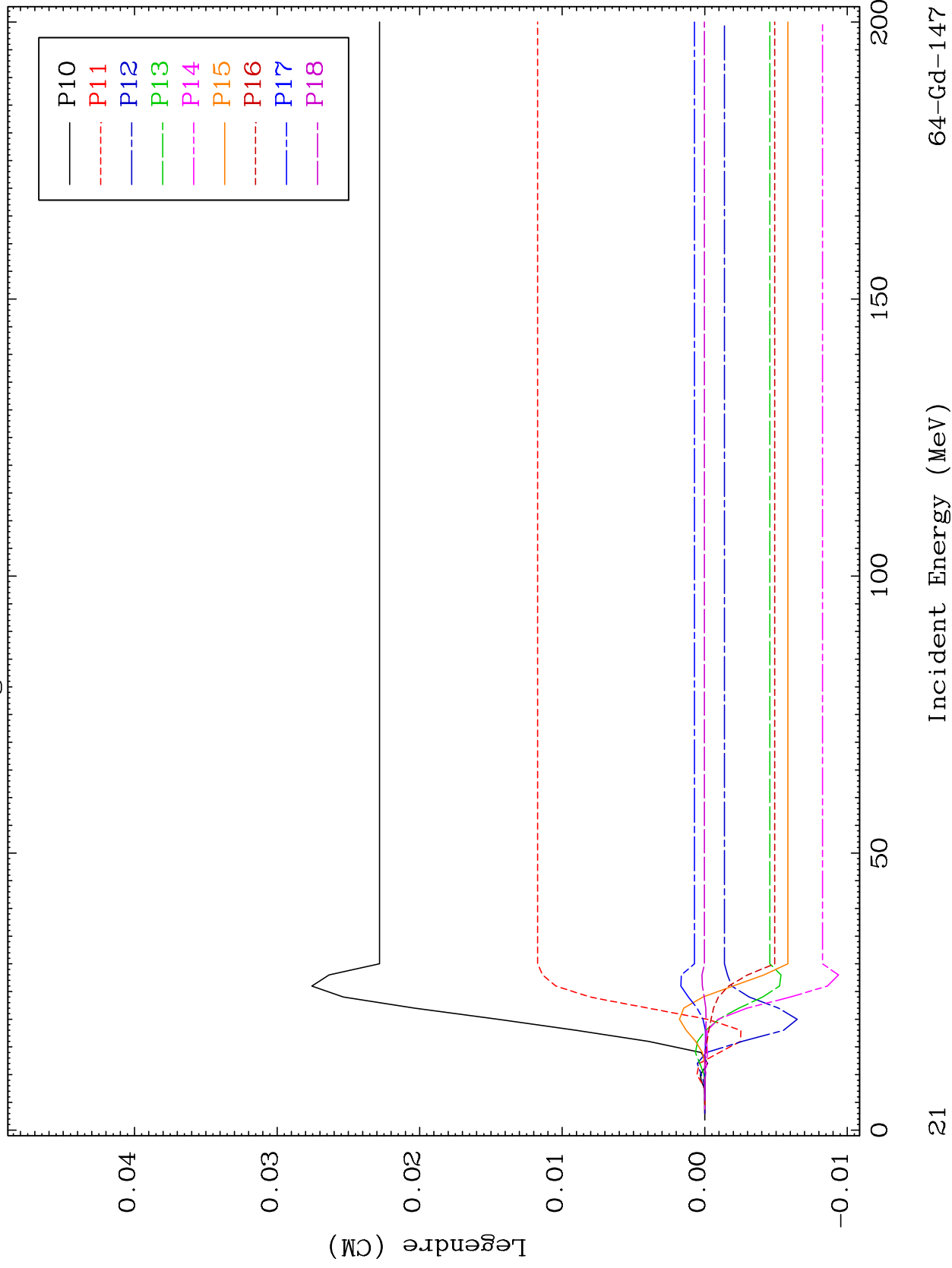
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MAT 6410

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

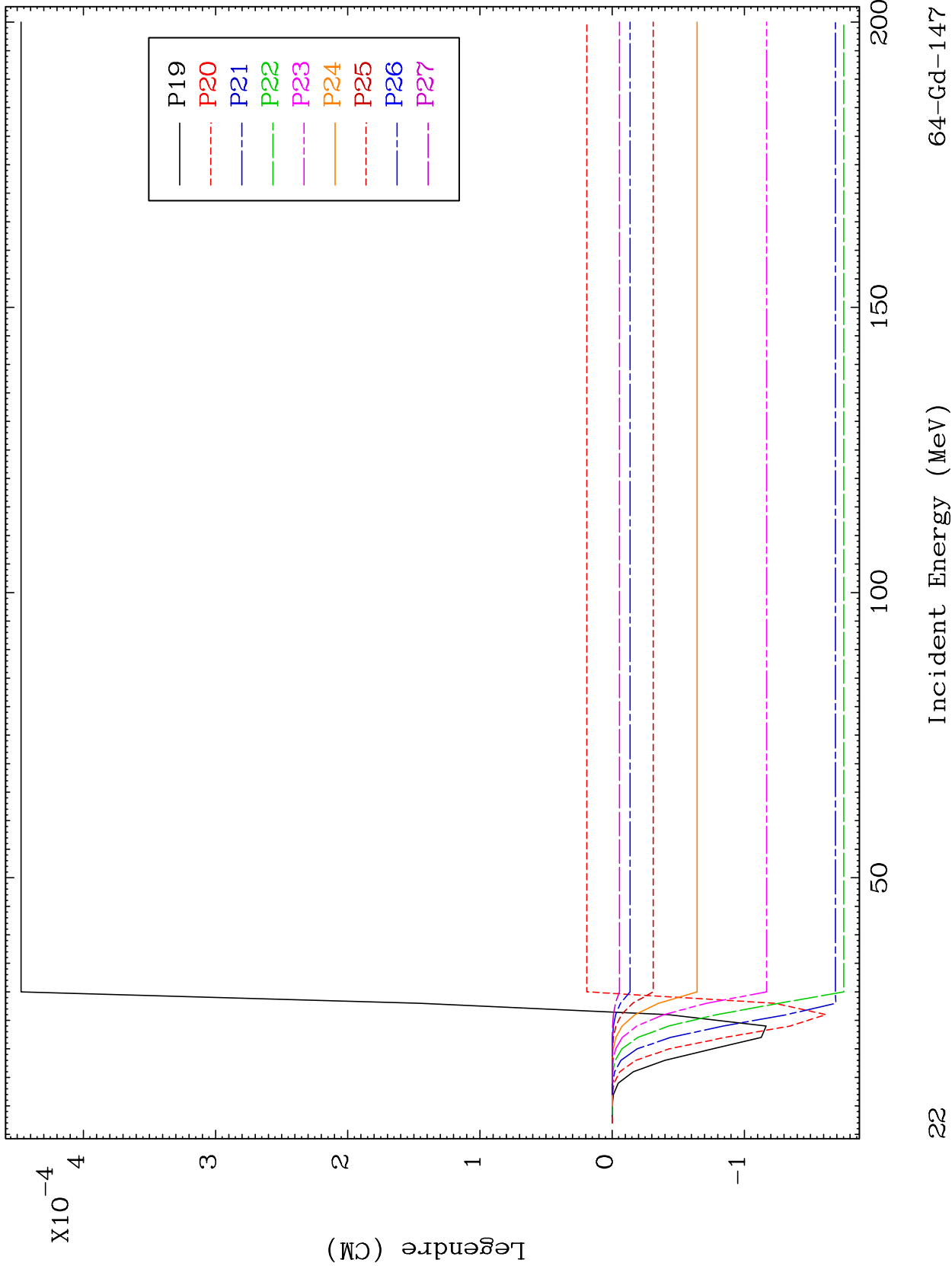
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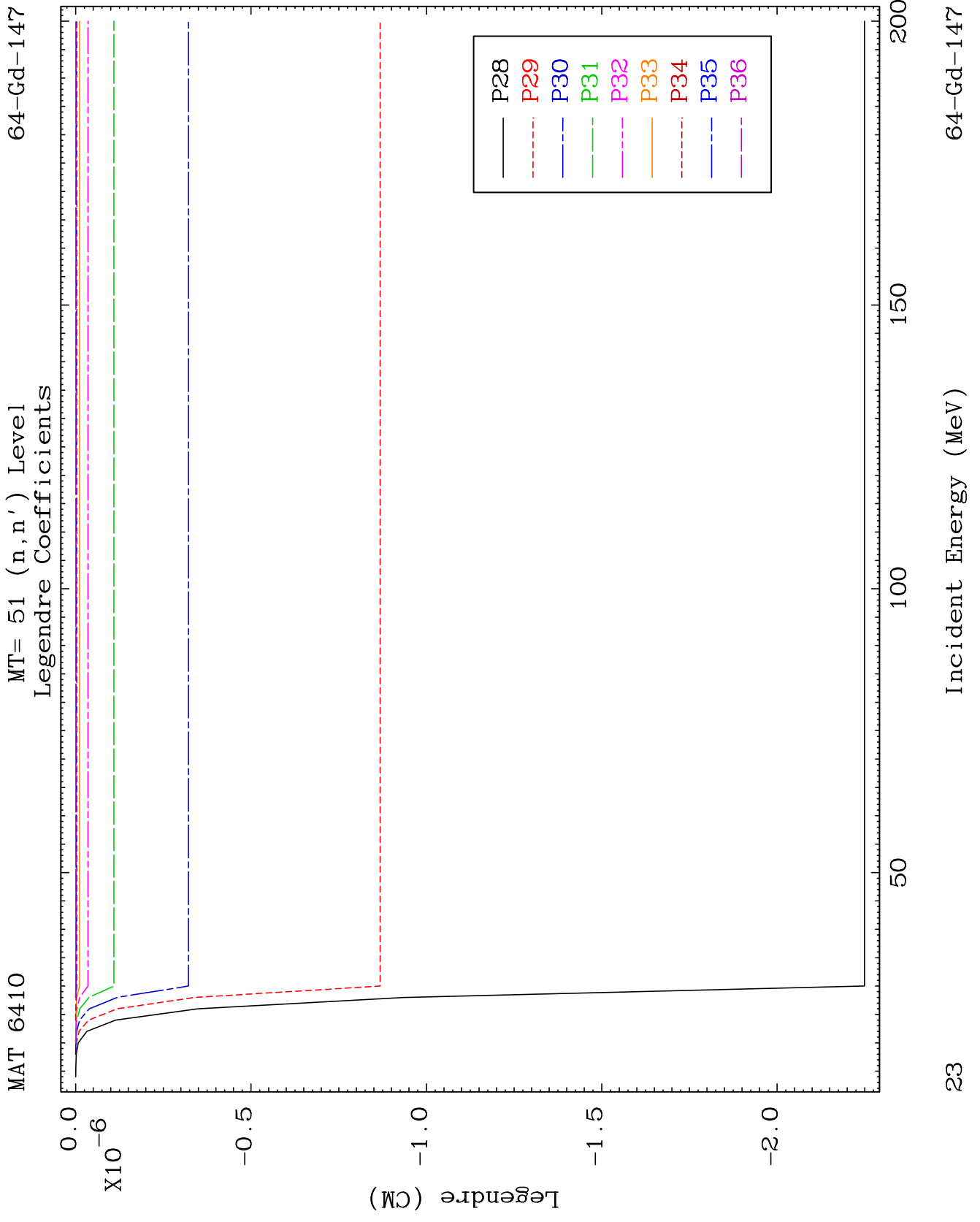


21

Incident Energy (MeV)

64-Gd-147

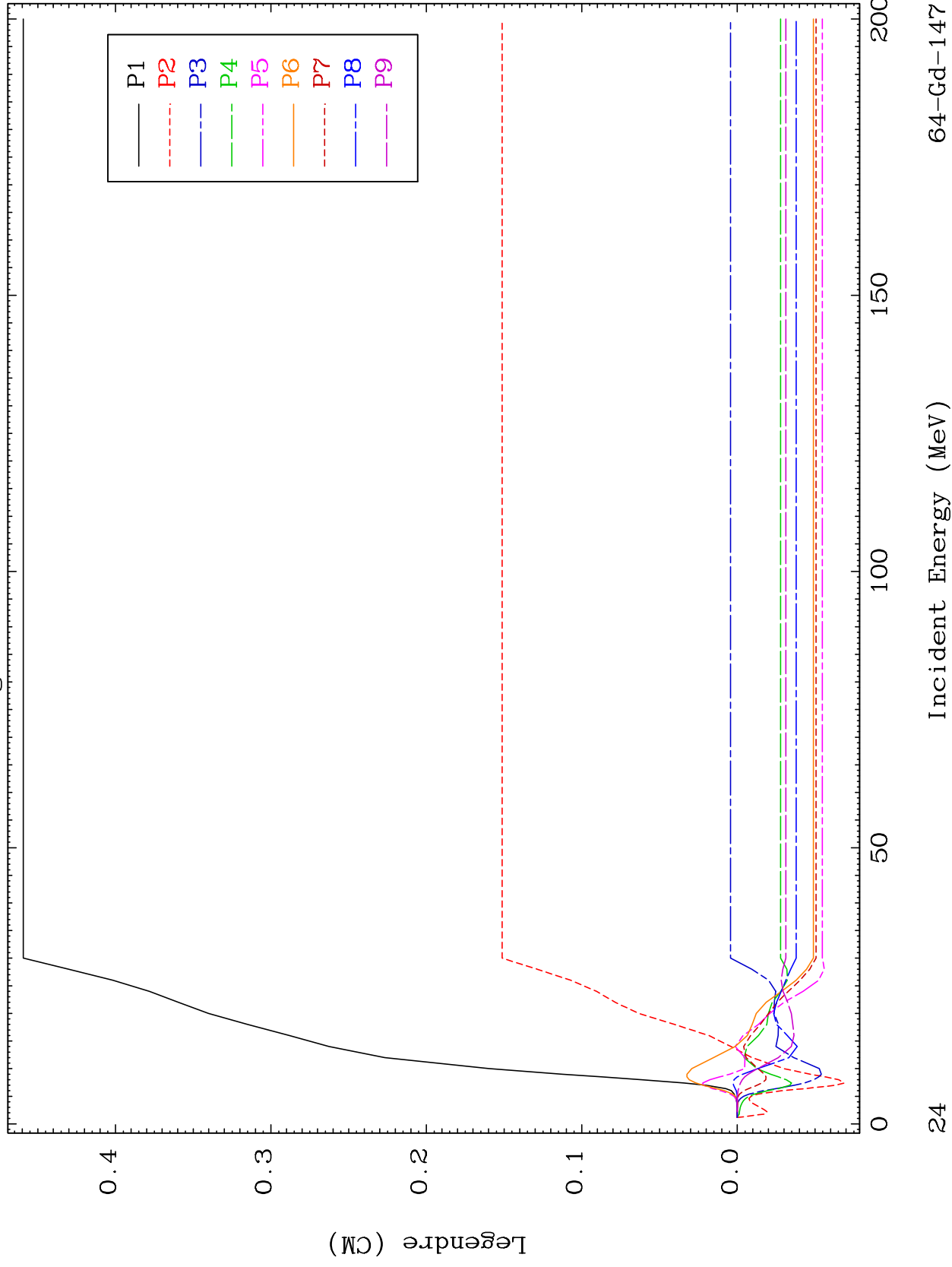


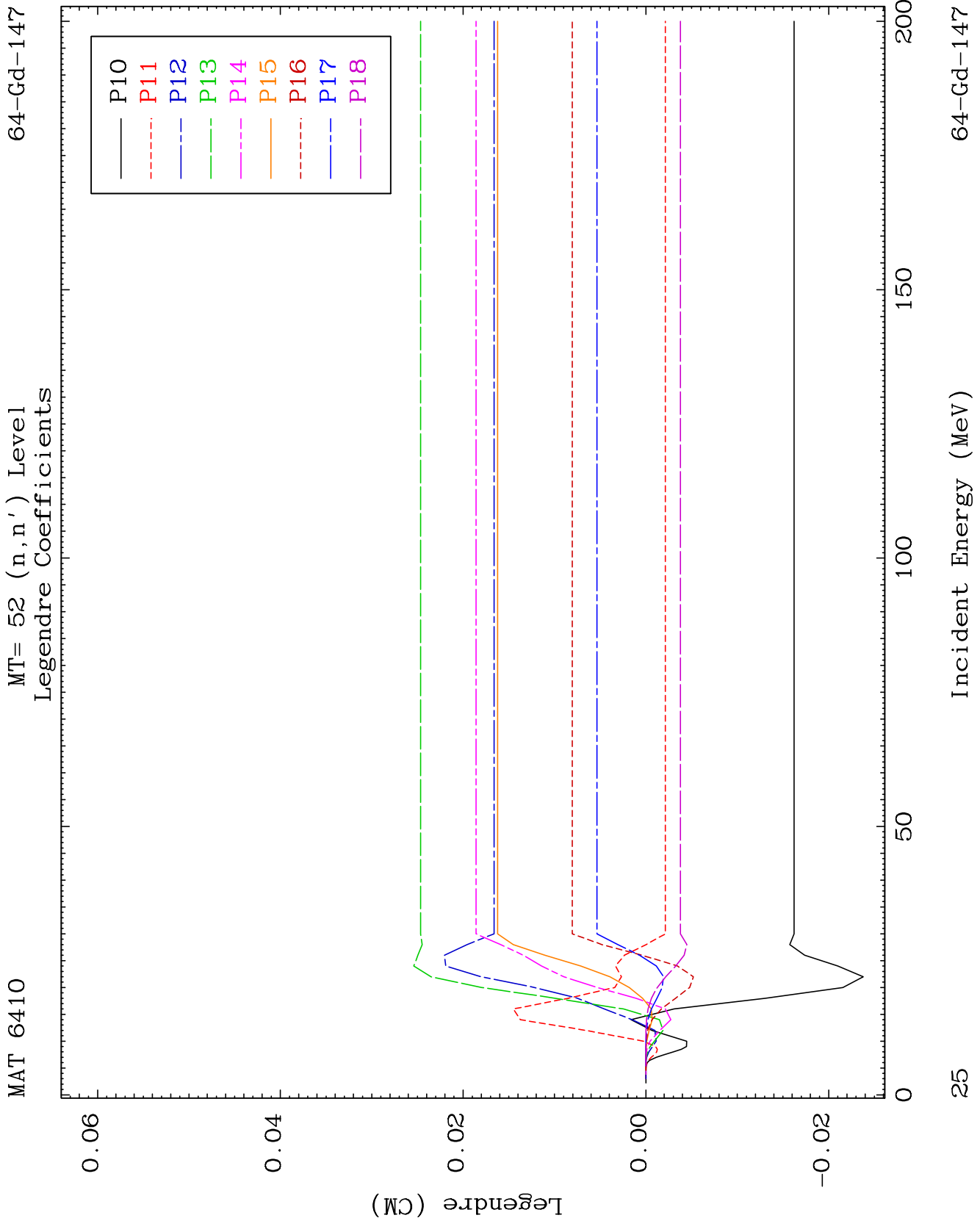


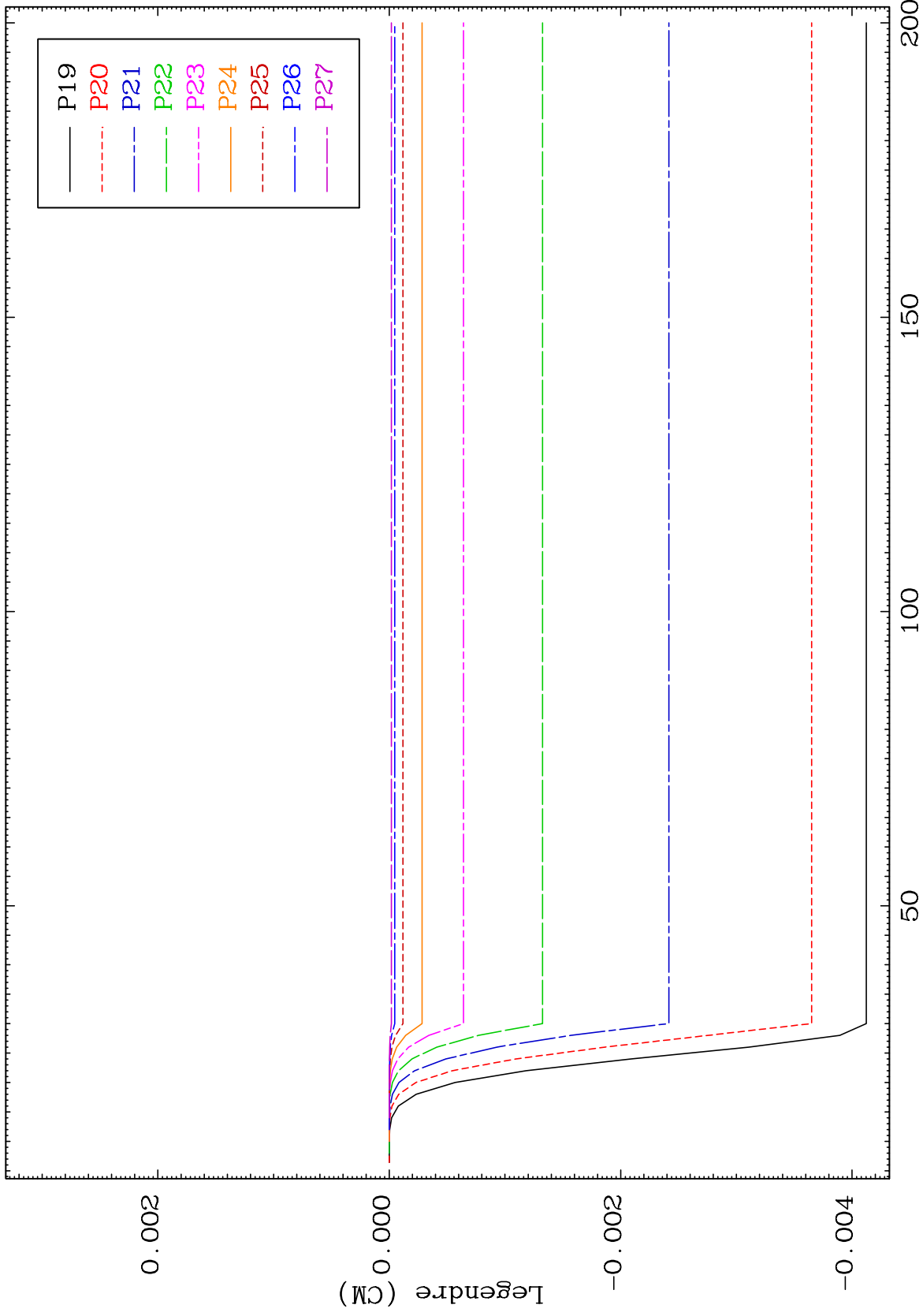
MAT 6410

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

64-Gd-147



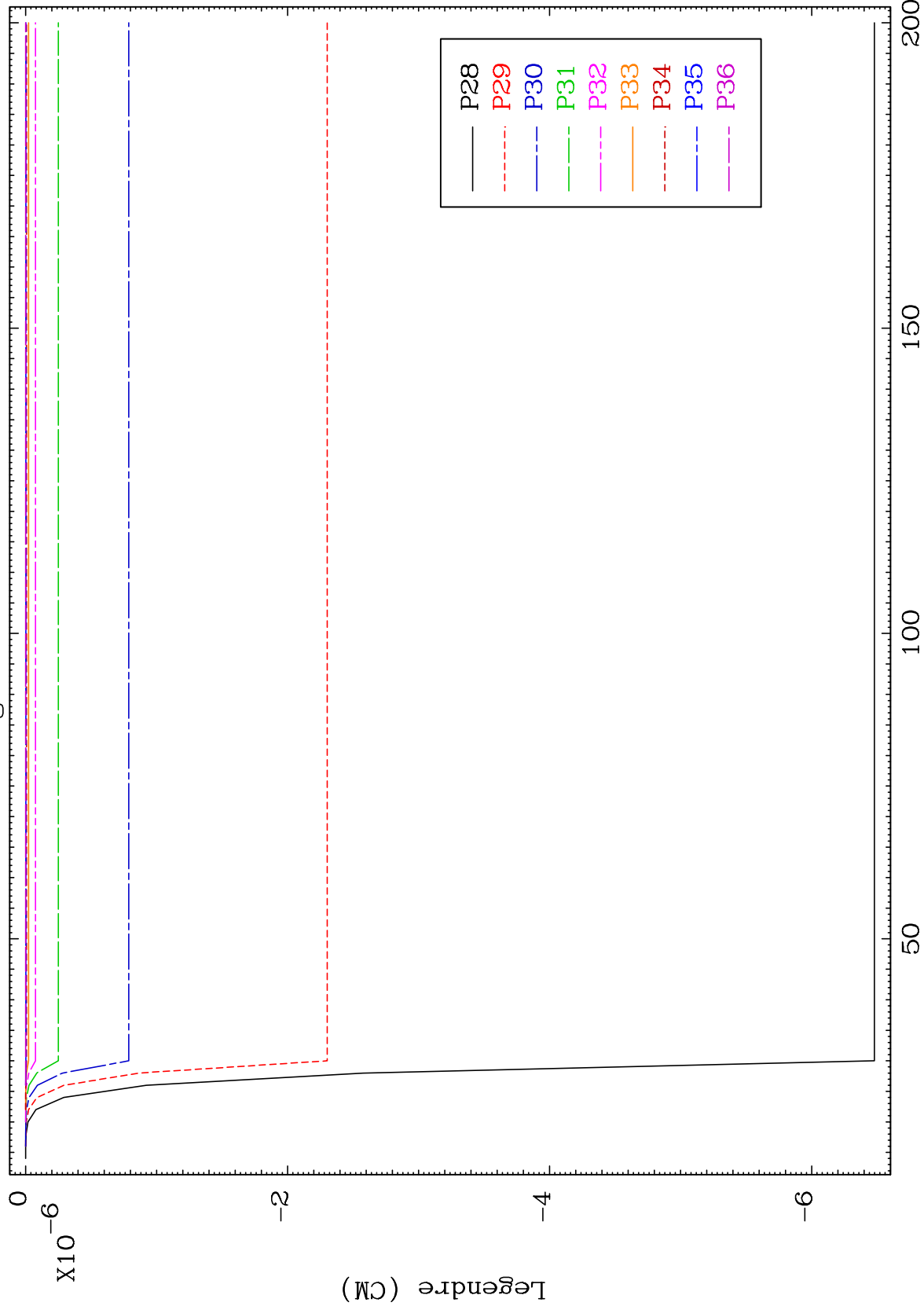




MAT 6410

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

64-Gd-147



27

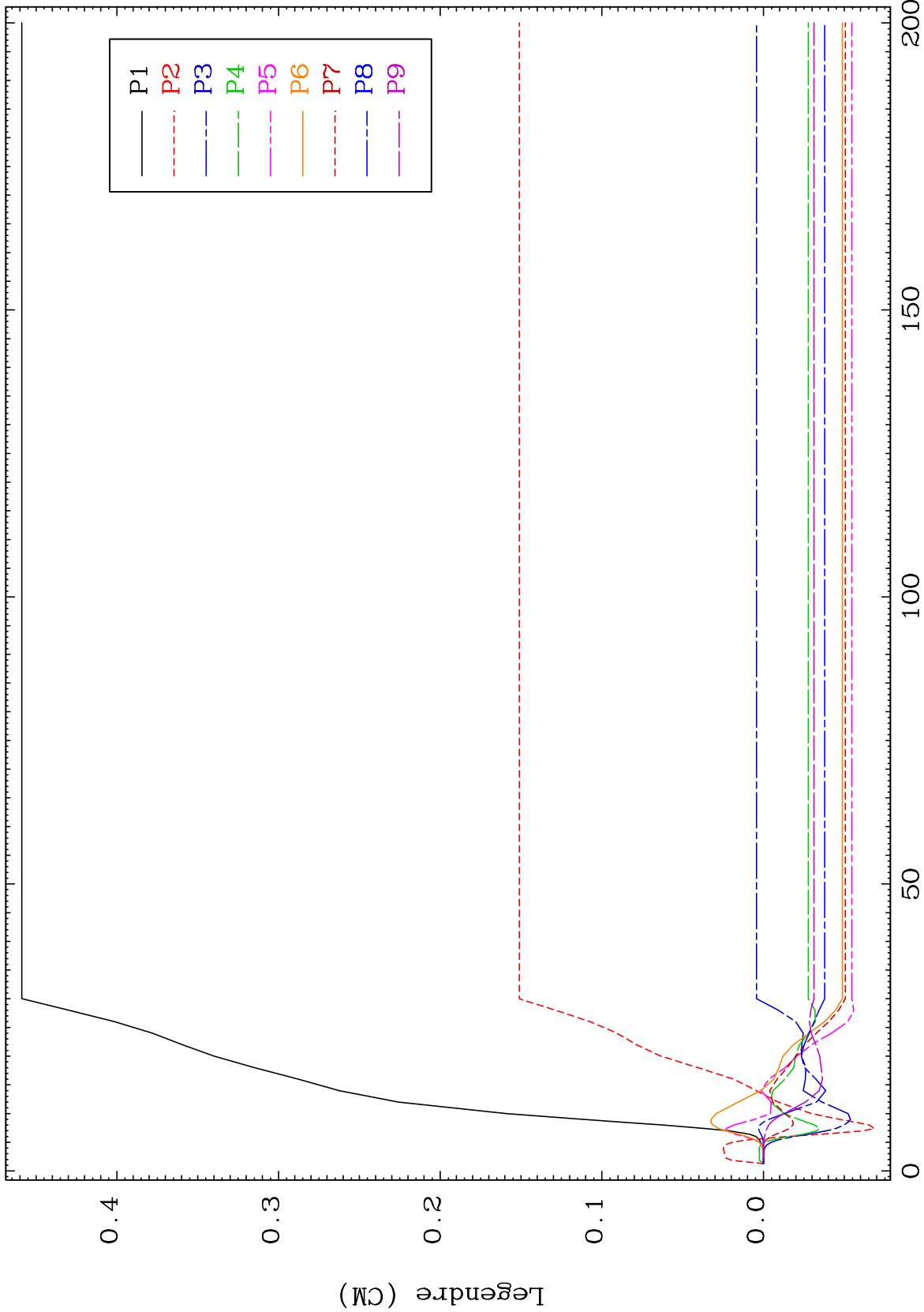
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



28

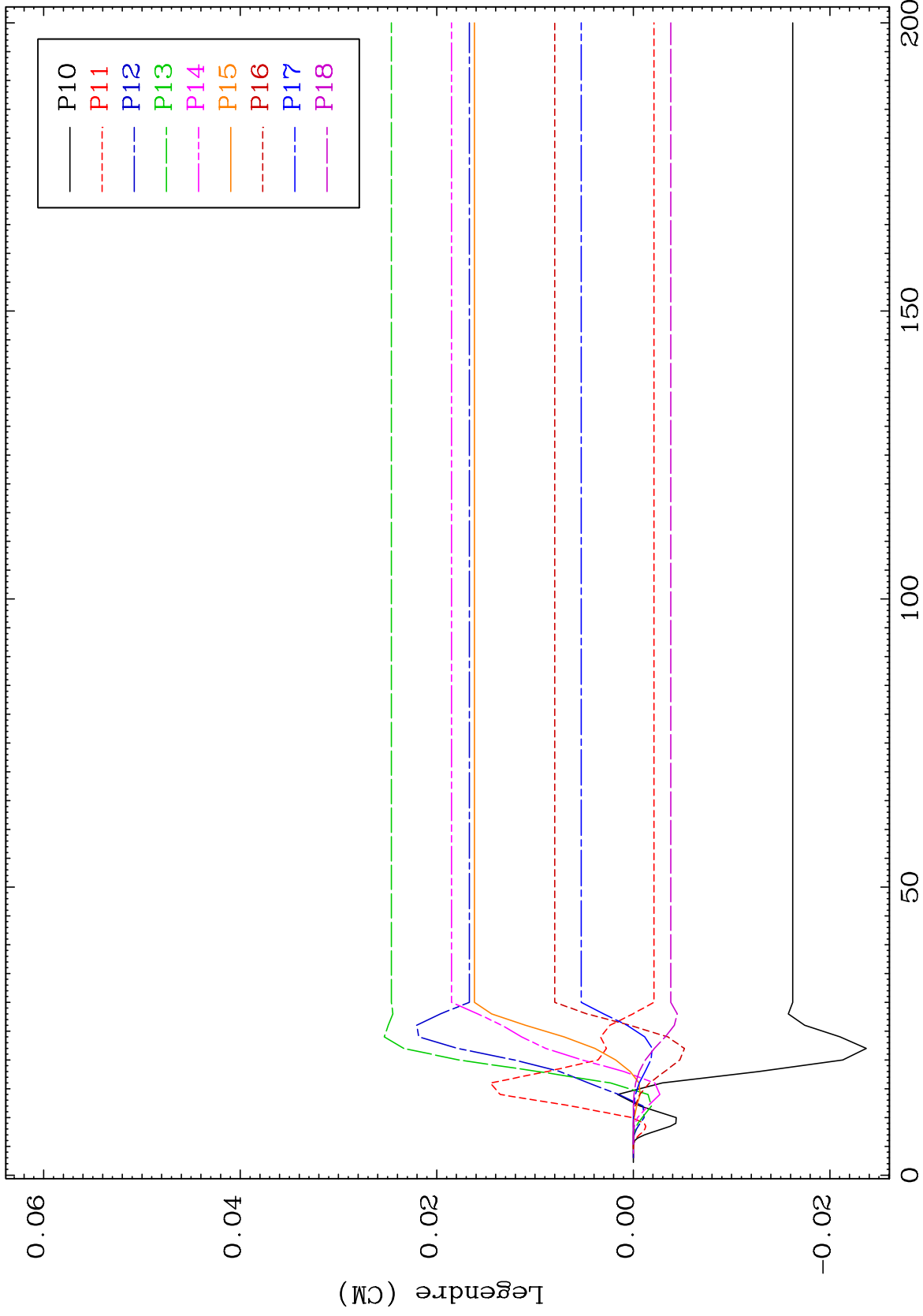
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



29

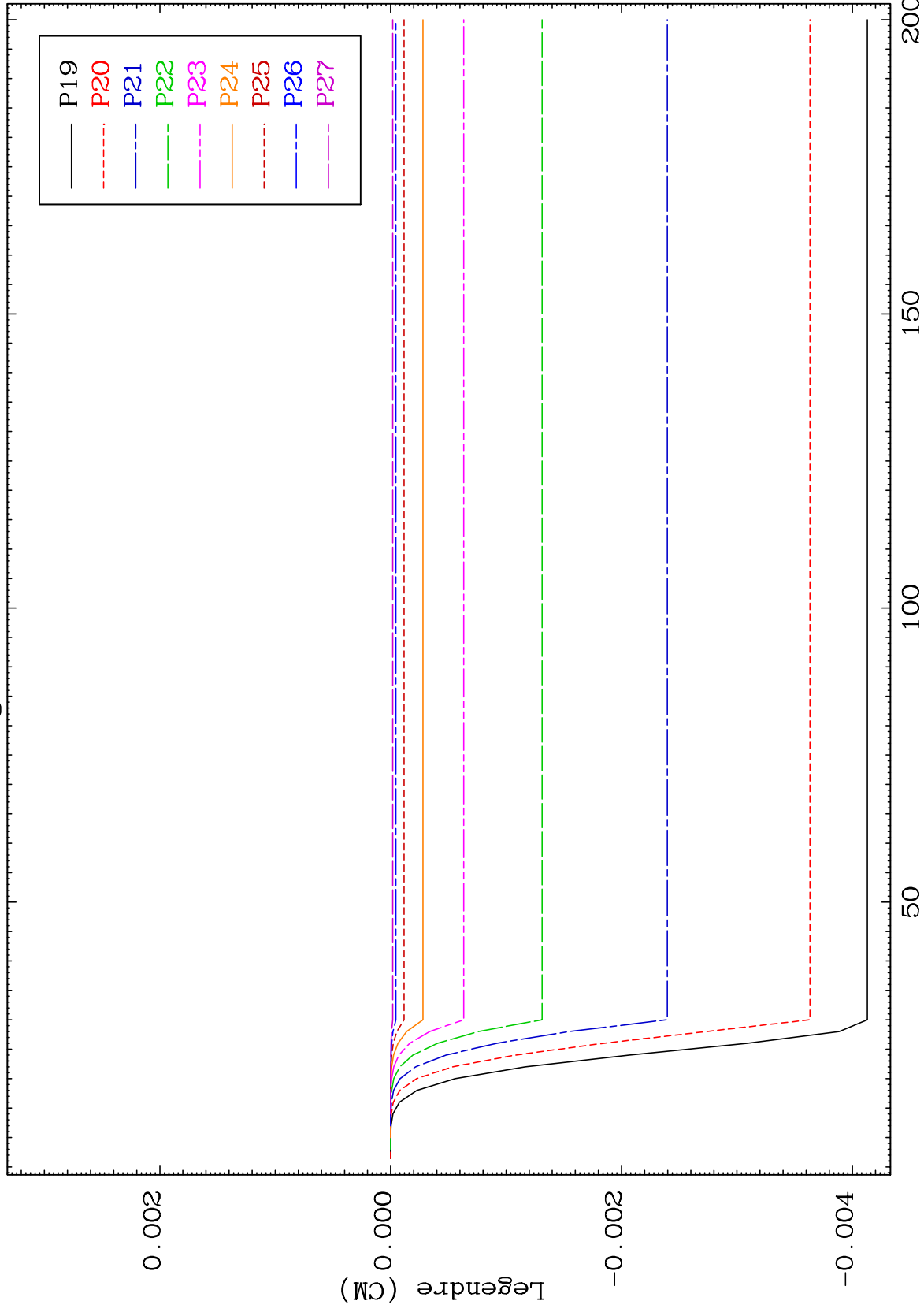
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



30

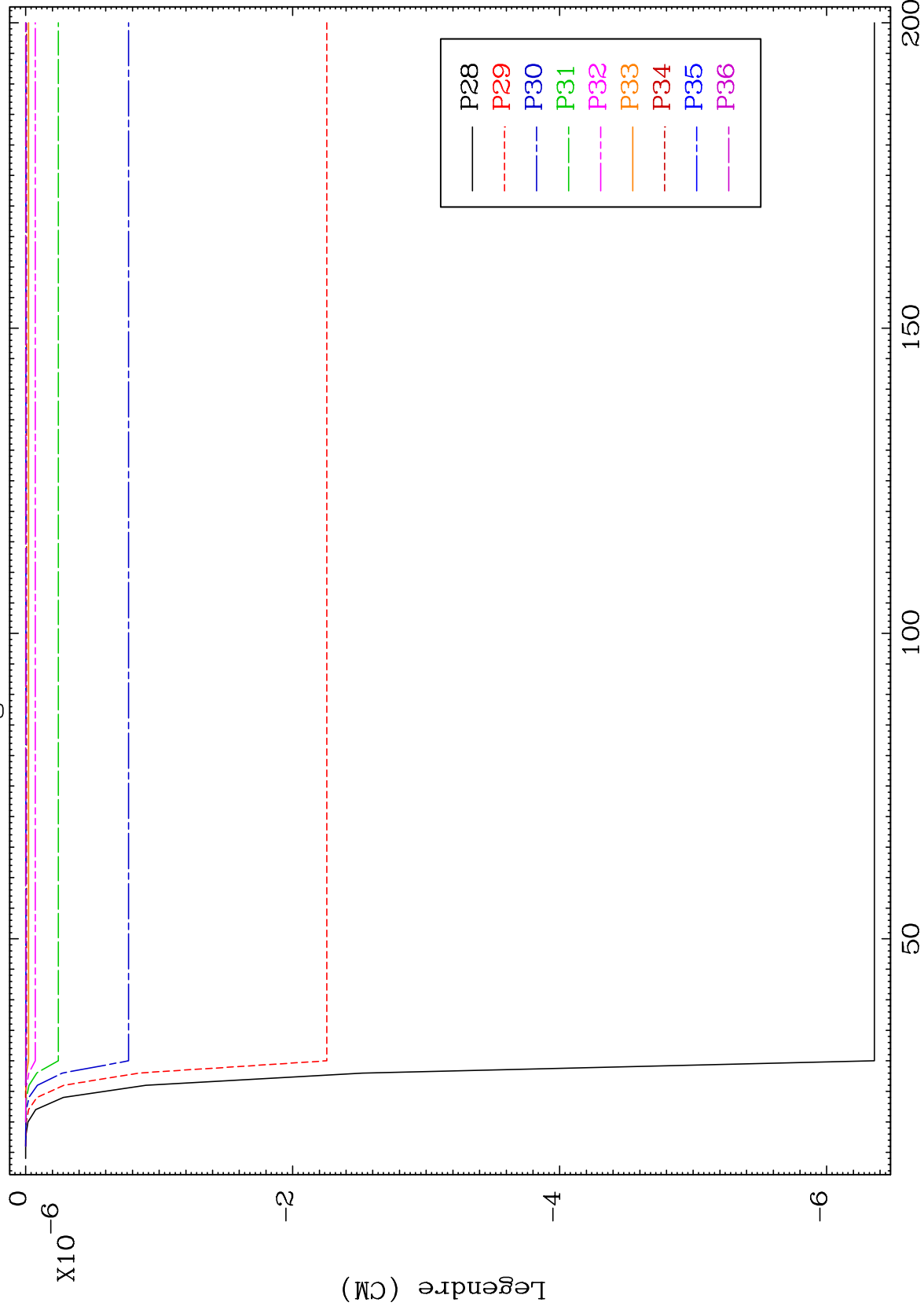
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

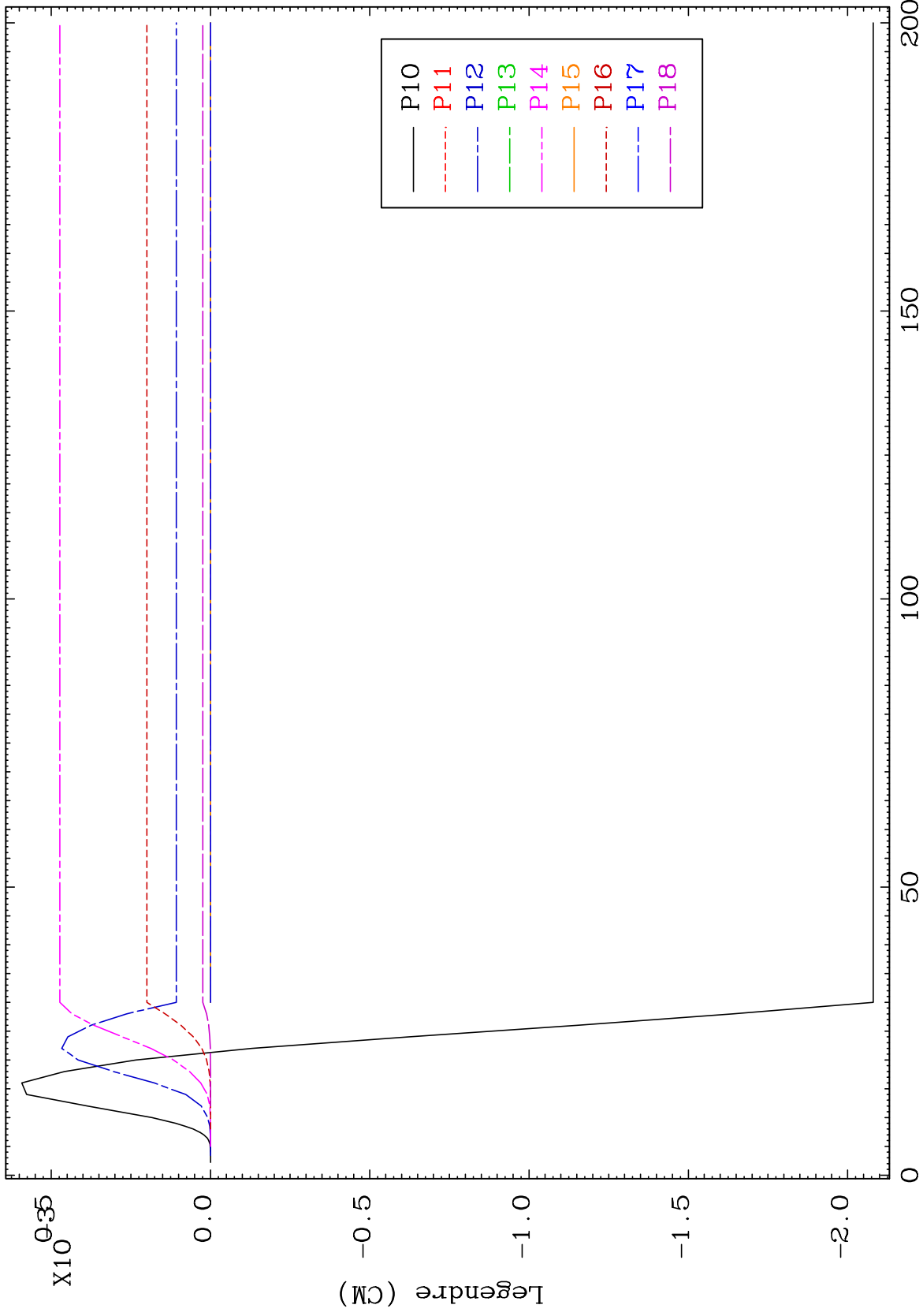
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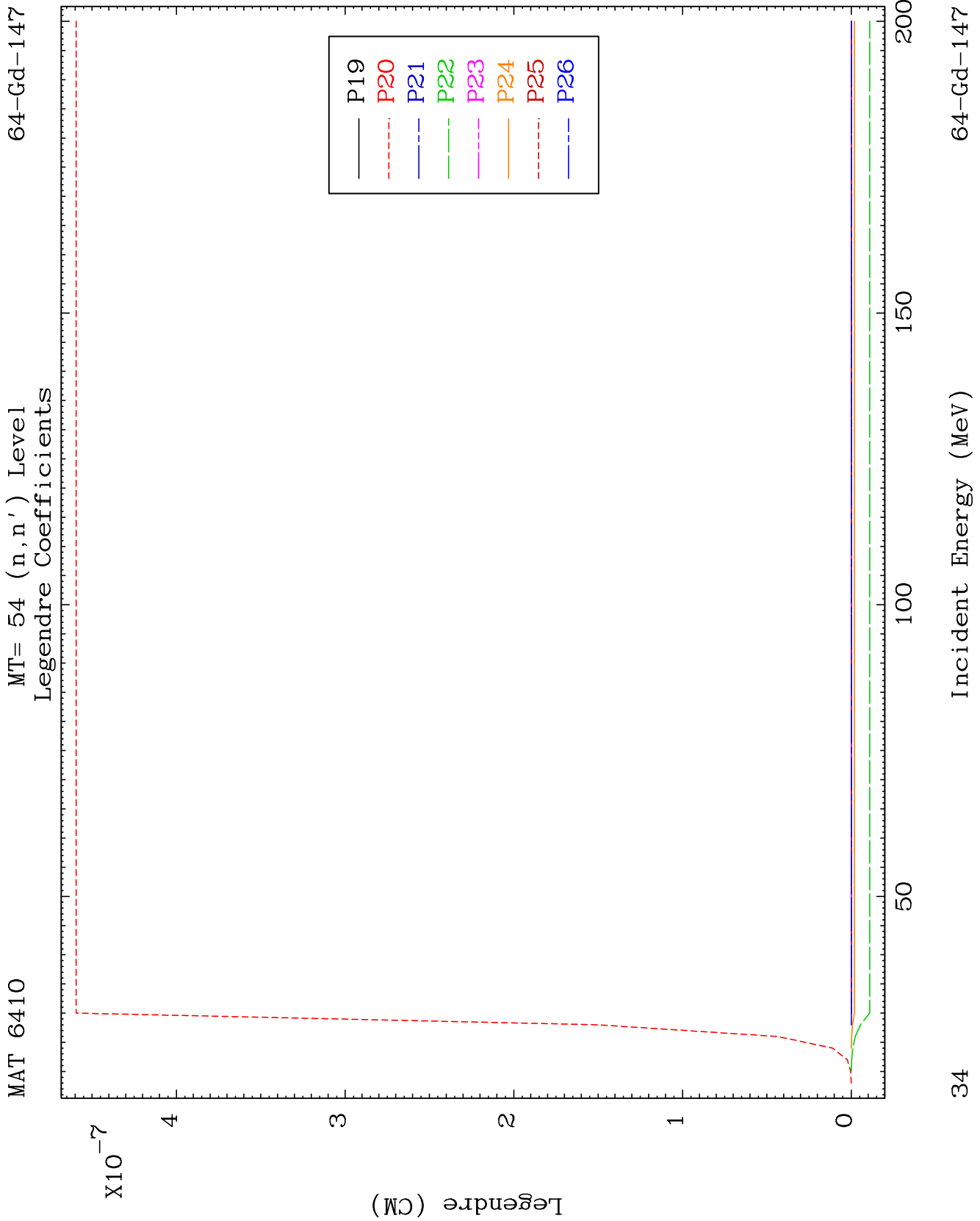


31

Incident Energy (MeV)

64-Gd-147

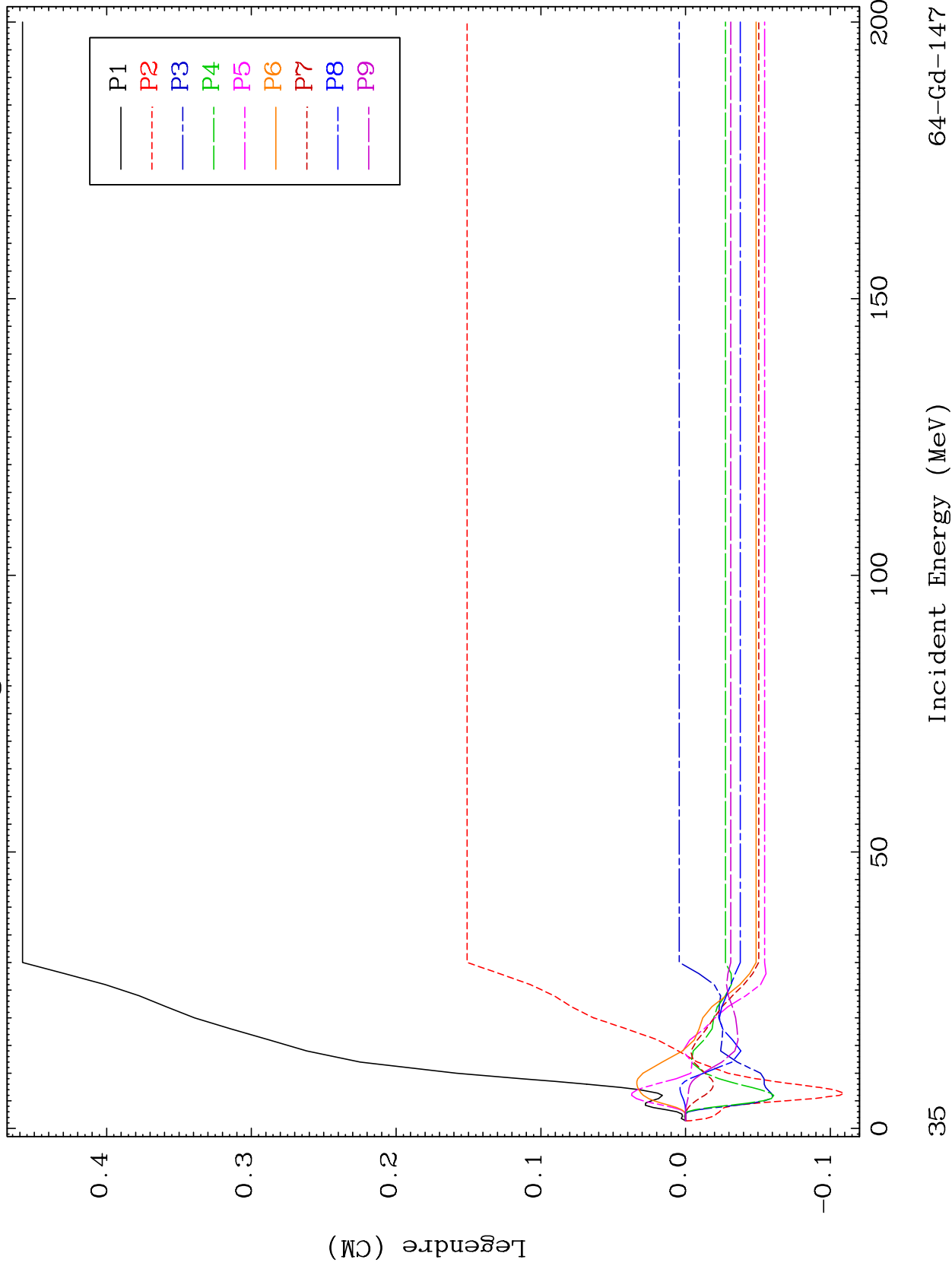




MAT 6410

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

64-Gd-147



64-Gd-147

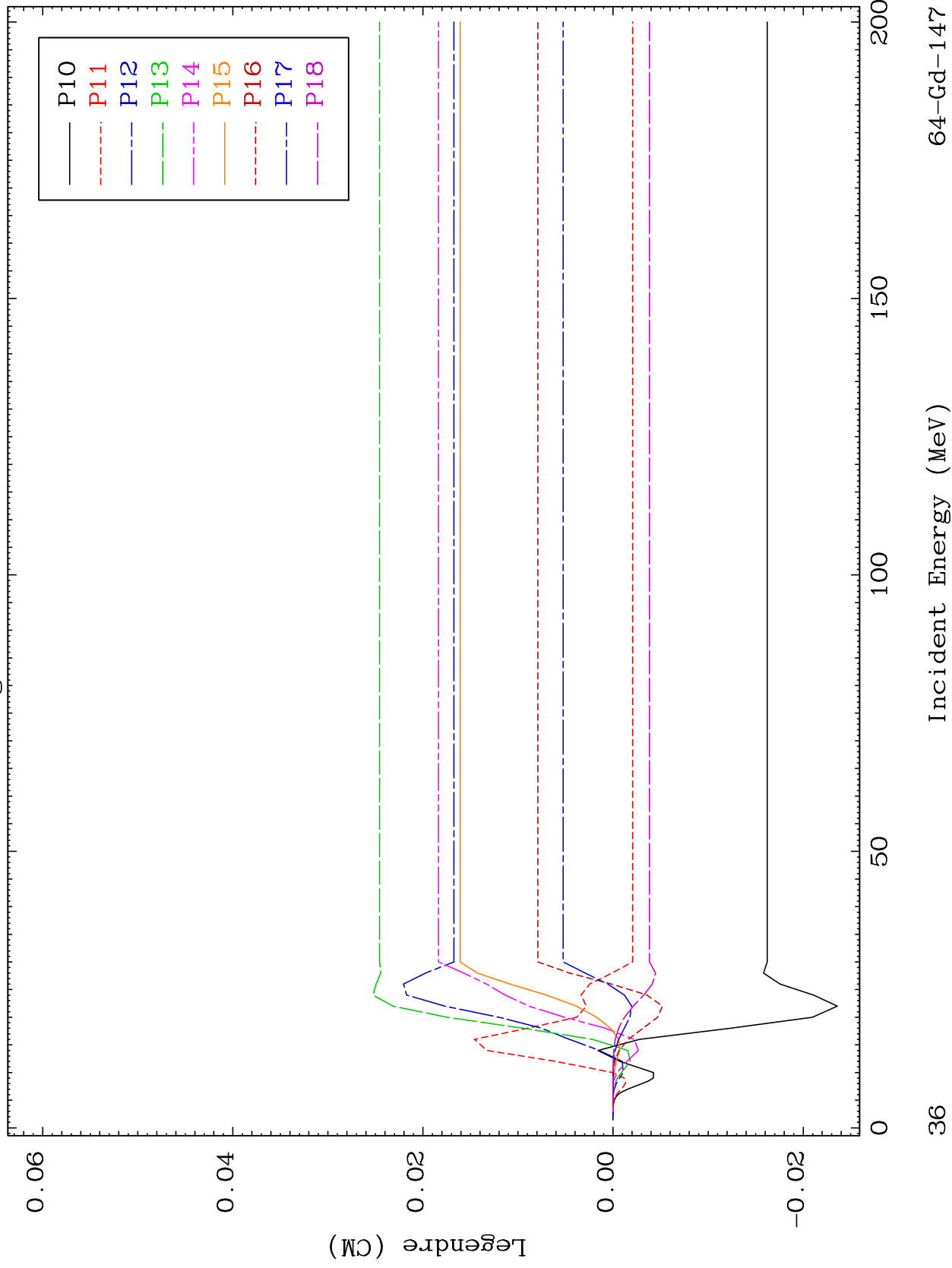
Incident Energy (MeV)

35

MAT 6410

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

64-Gd-147



64-Gd-147

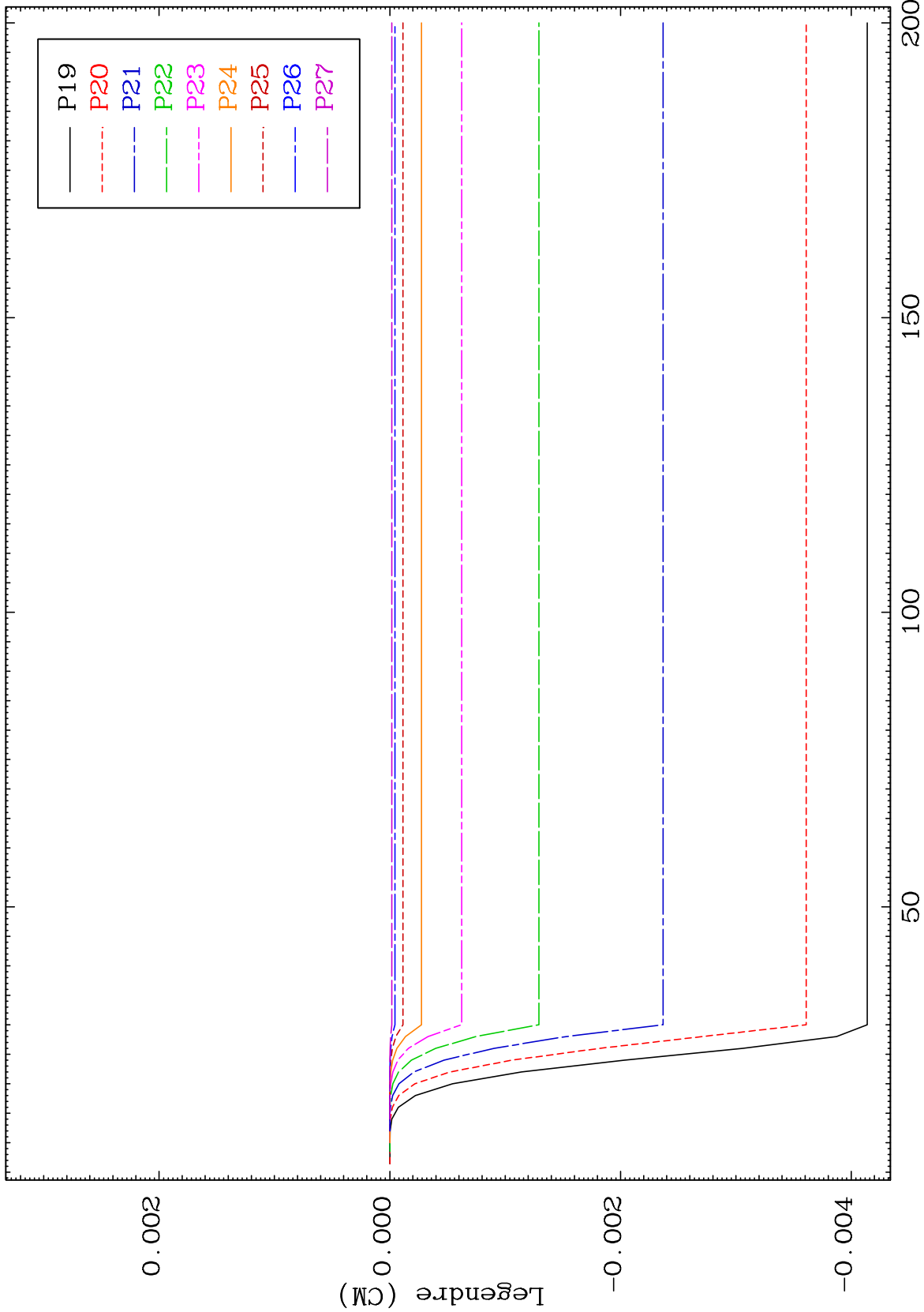
Incident Energy (MeV)

36

MAT 6410

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

64-Gd-147



37

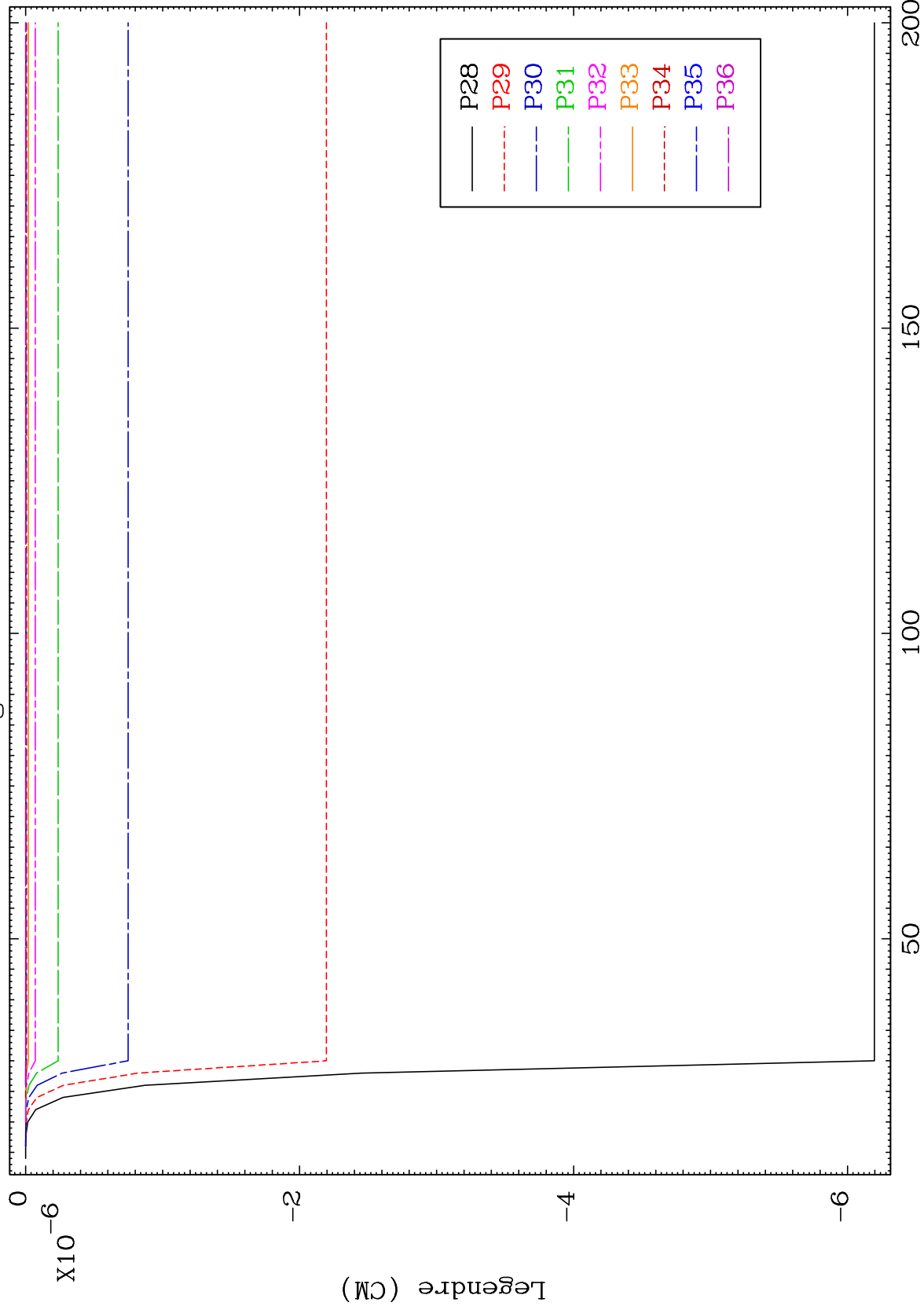
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



38

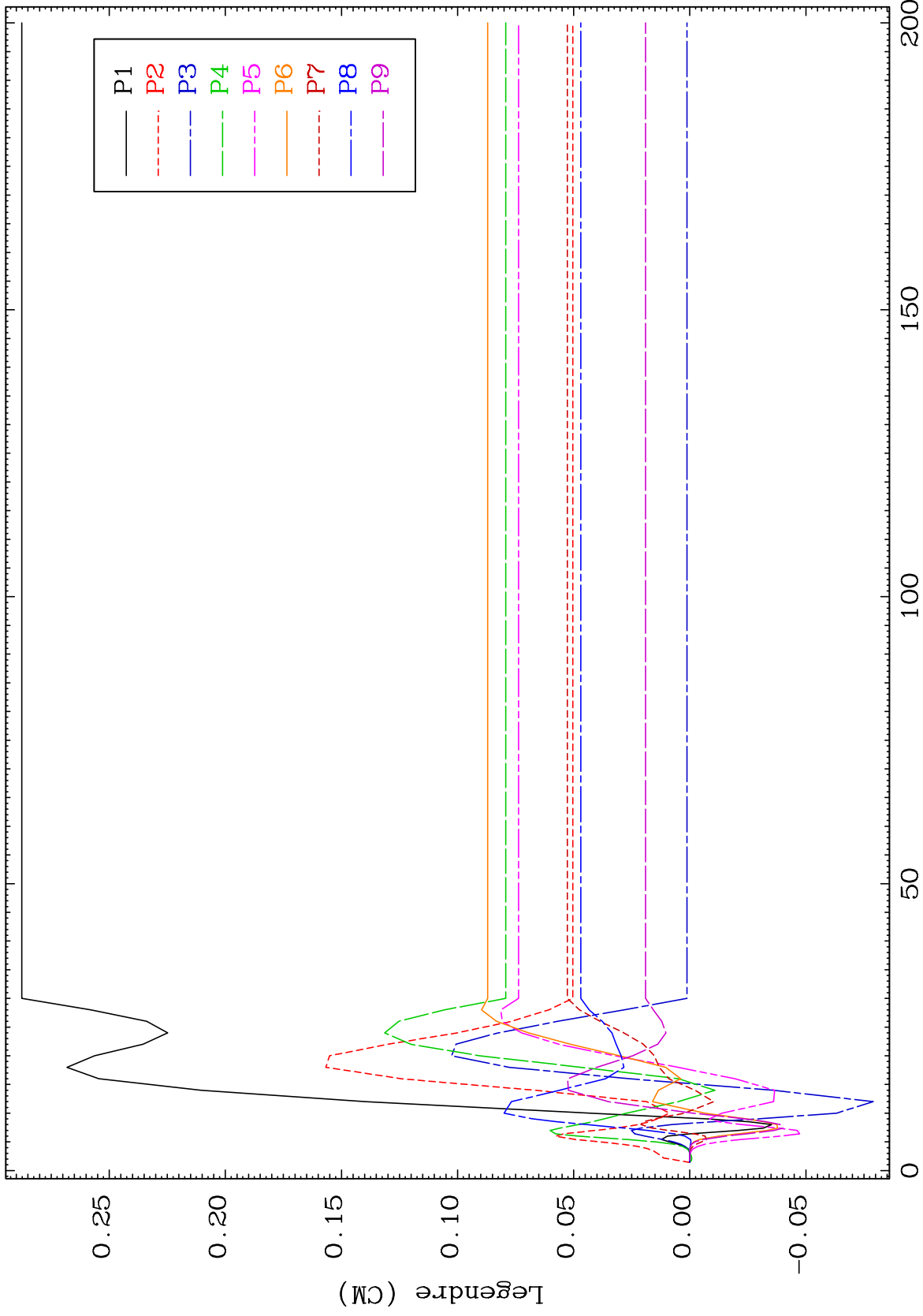
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

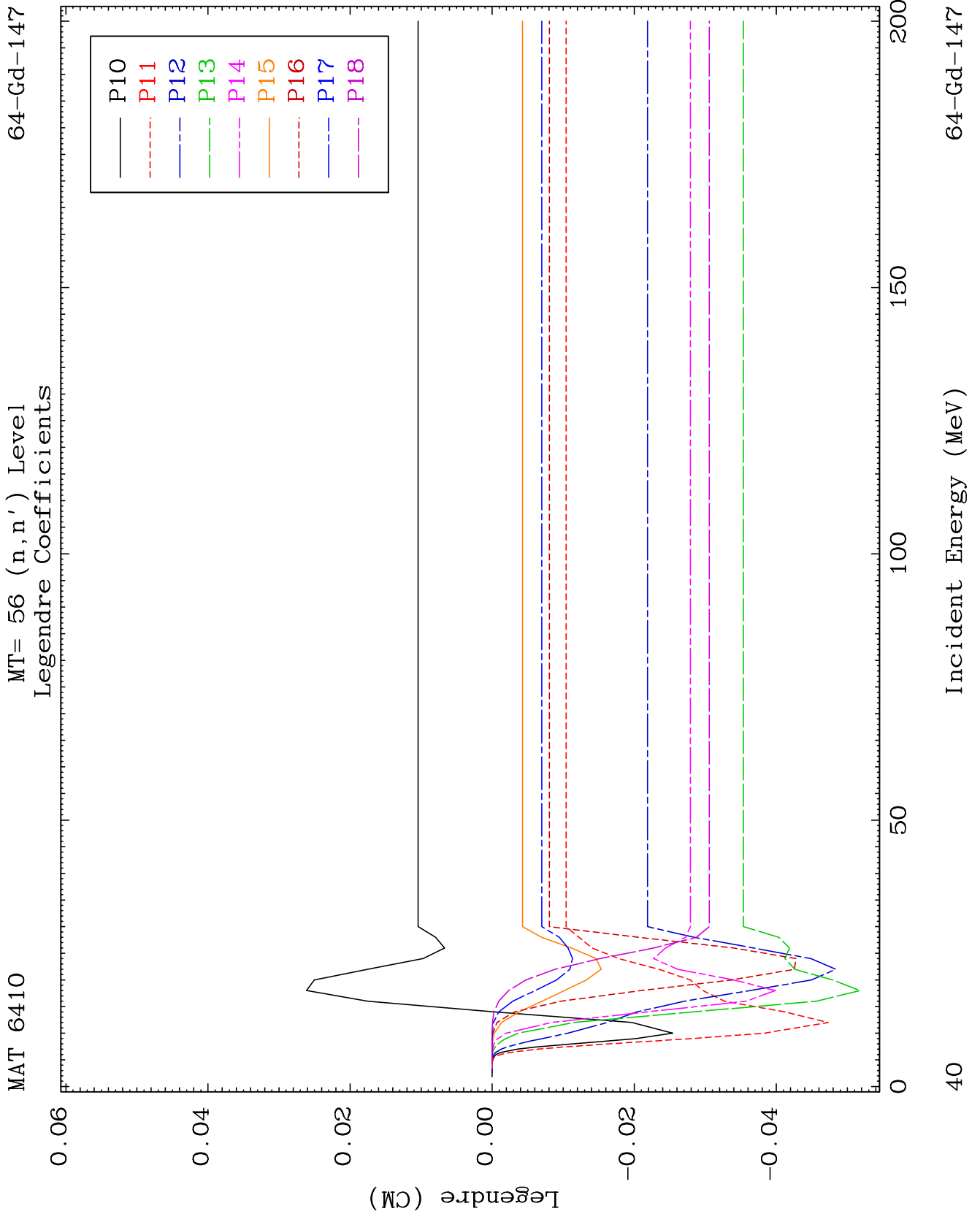
64-Gd-147



39

Incident Energy (MeV)

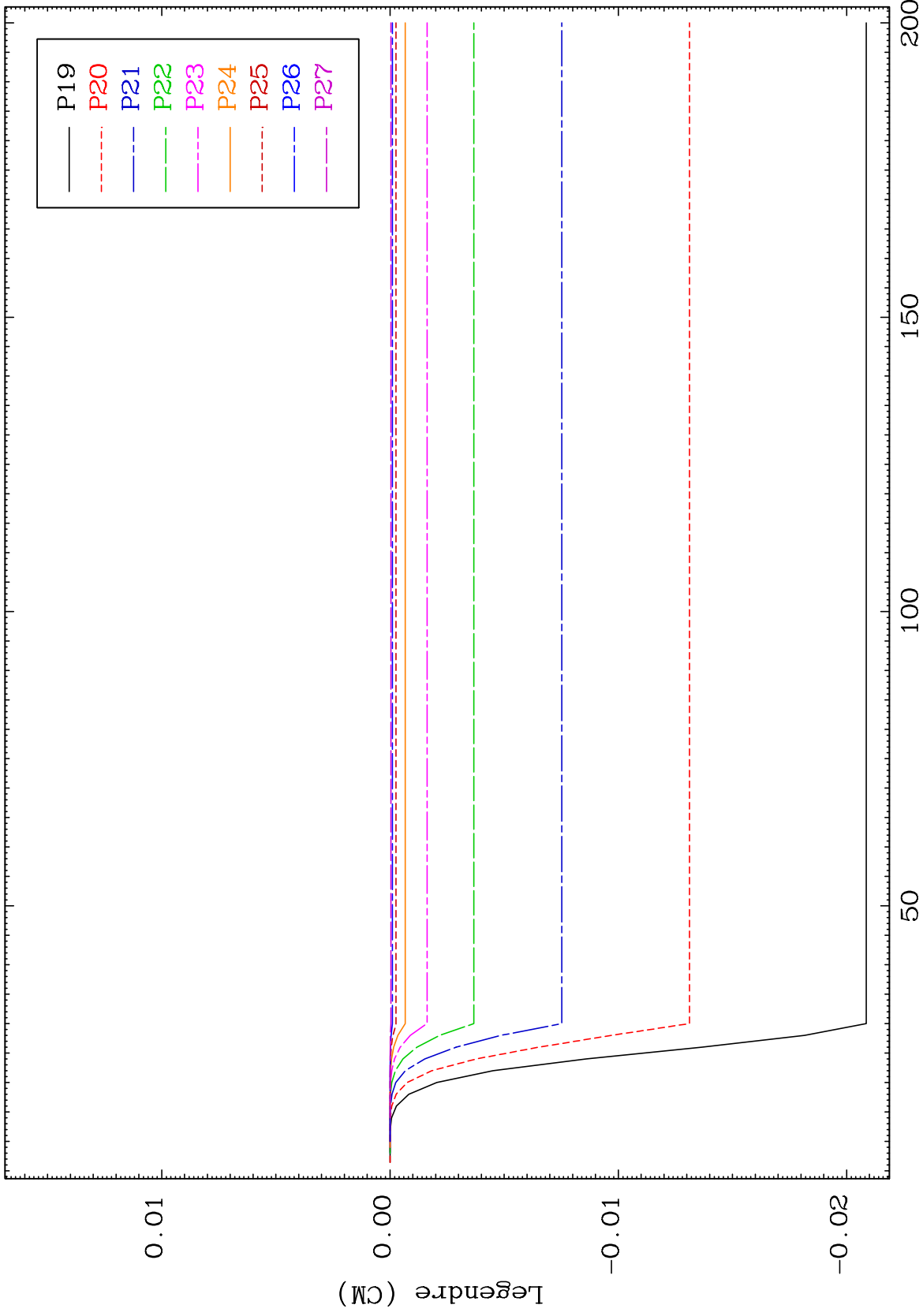
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MAT 6410

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

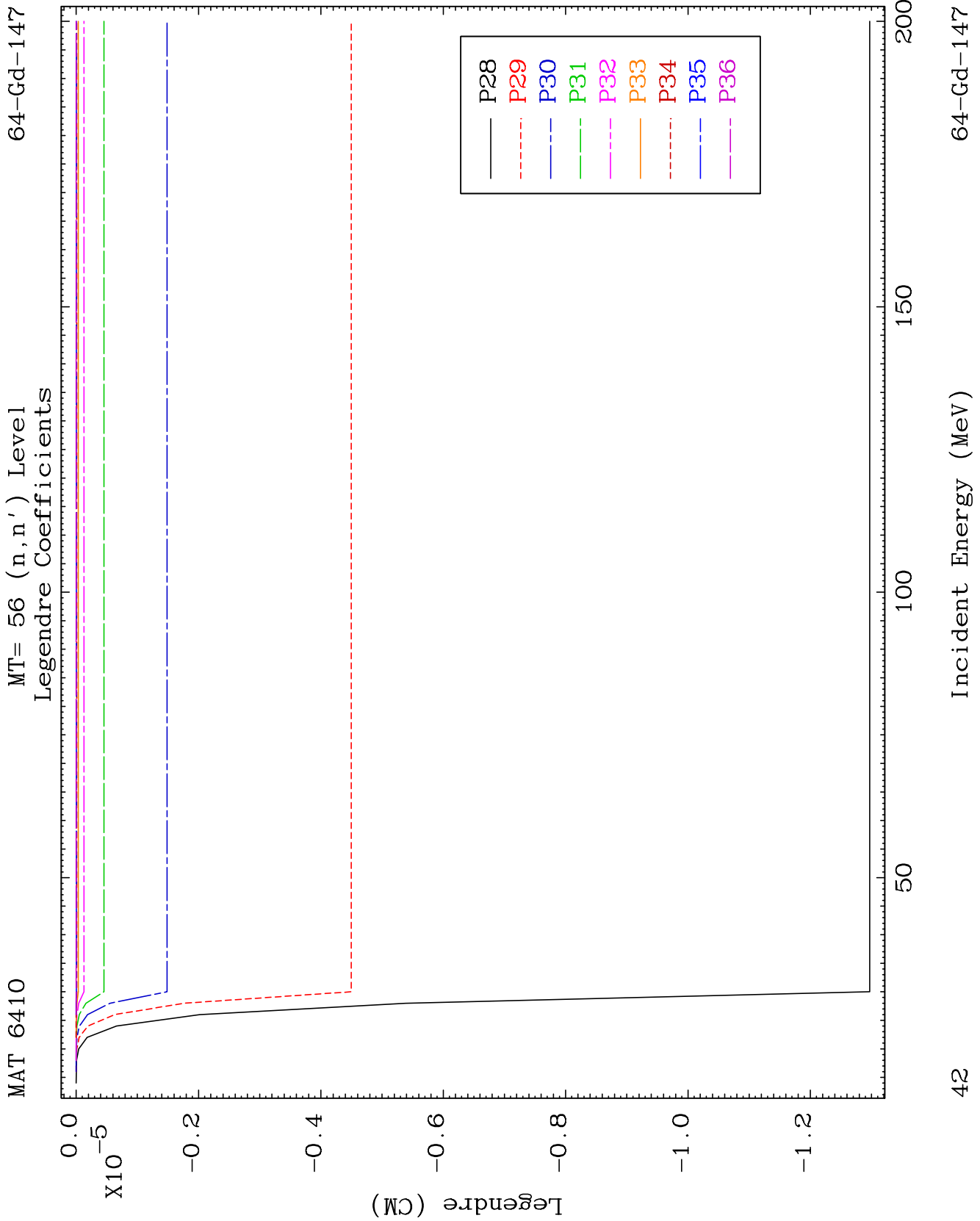
64-Gd-147



41

Incident Energy (MeV)

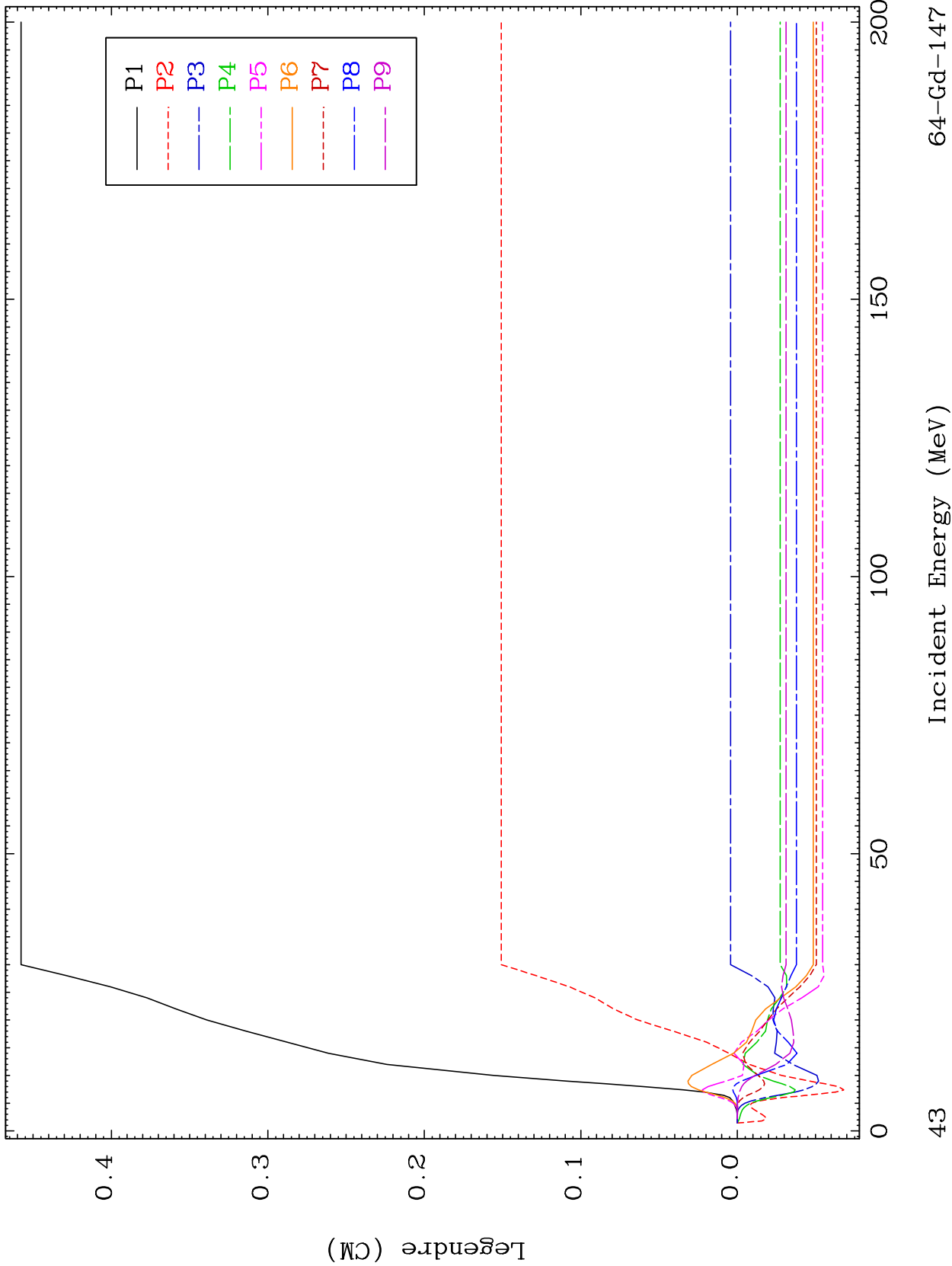
64-Gd-147



MAT 6410

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

64-Gd-147



43

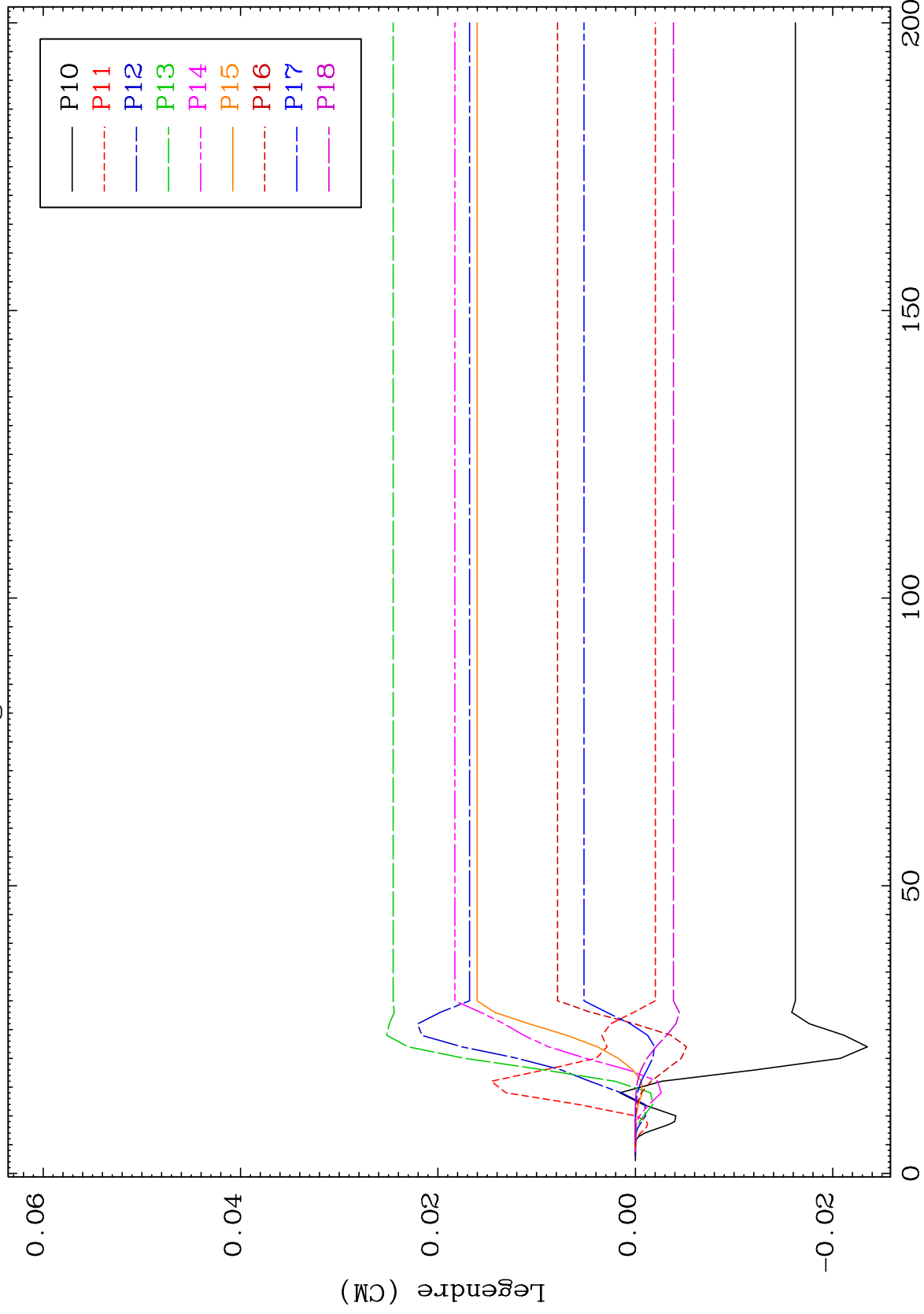
64-Gd-147

64-Gd-147

MAT 6410

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

64-Gd-147



44

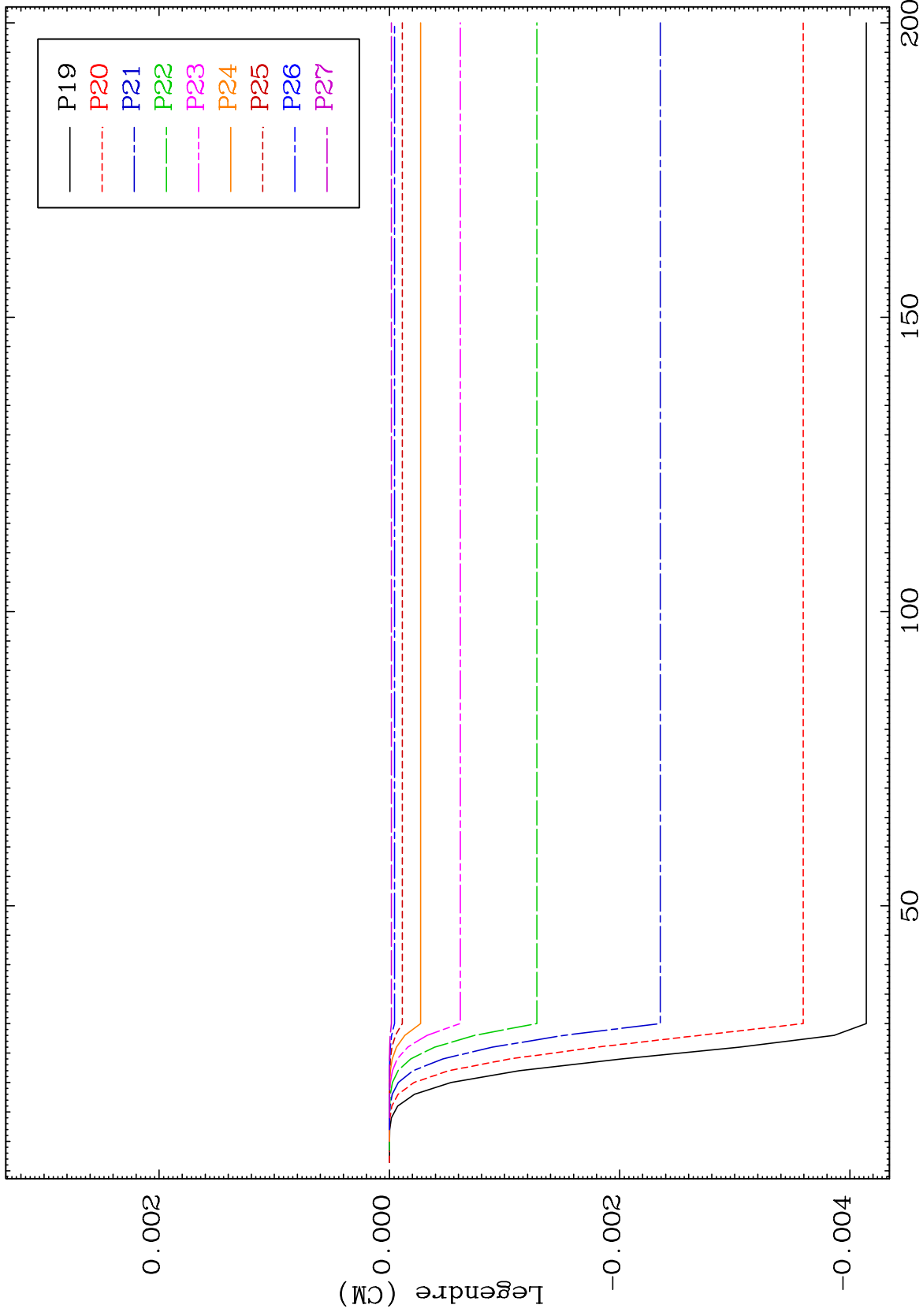
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



45

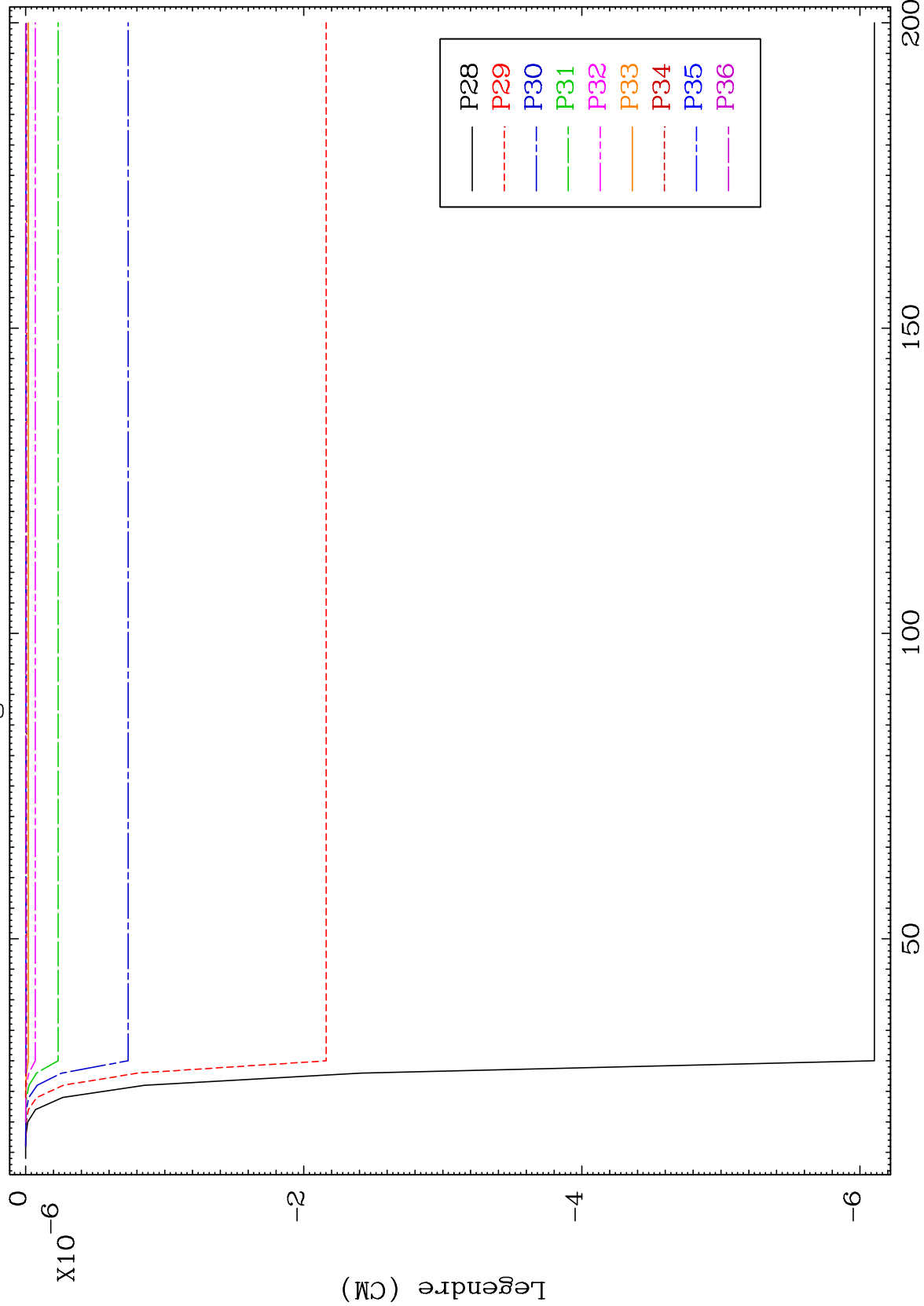
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

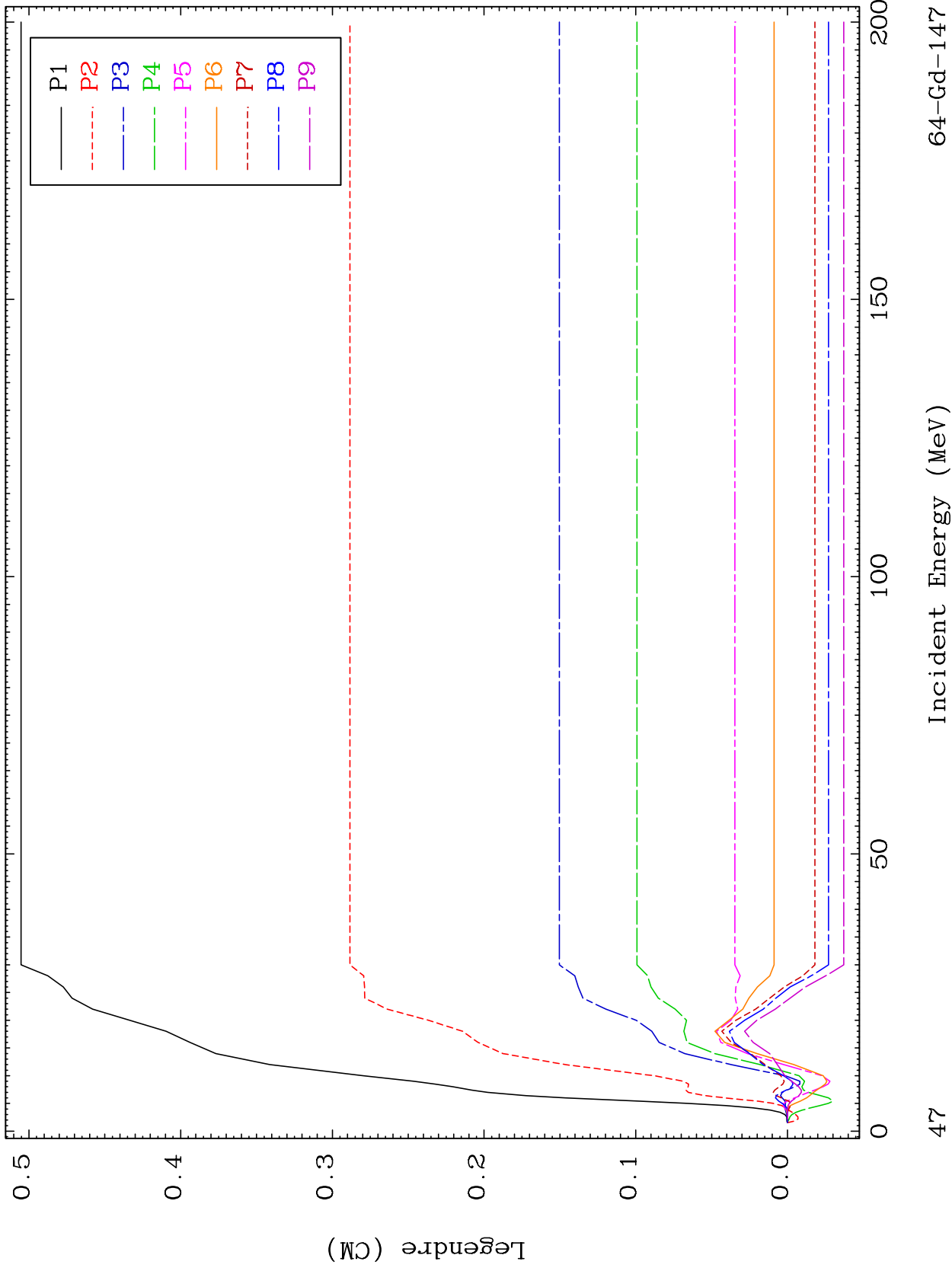
Incident Energy (MeV)

46

MAT 6410

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

64-Gd-147



64-Gd-147

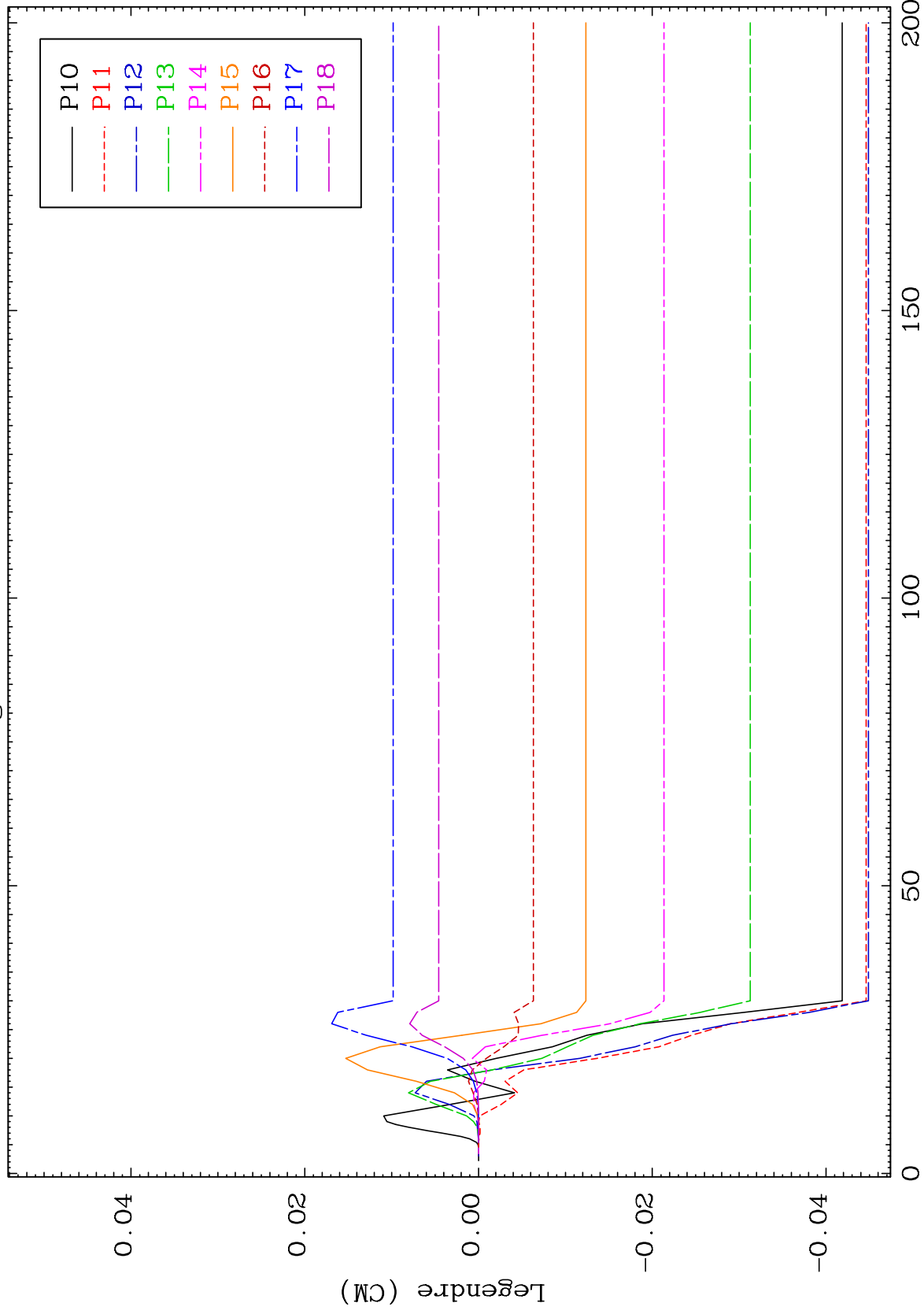
Incident Energy (MeV)

47

MAT 6410

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

64-Gd-147



48

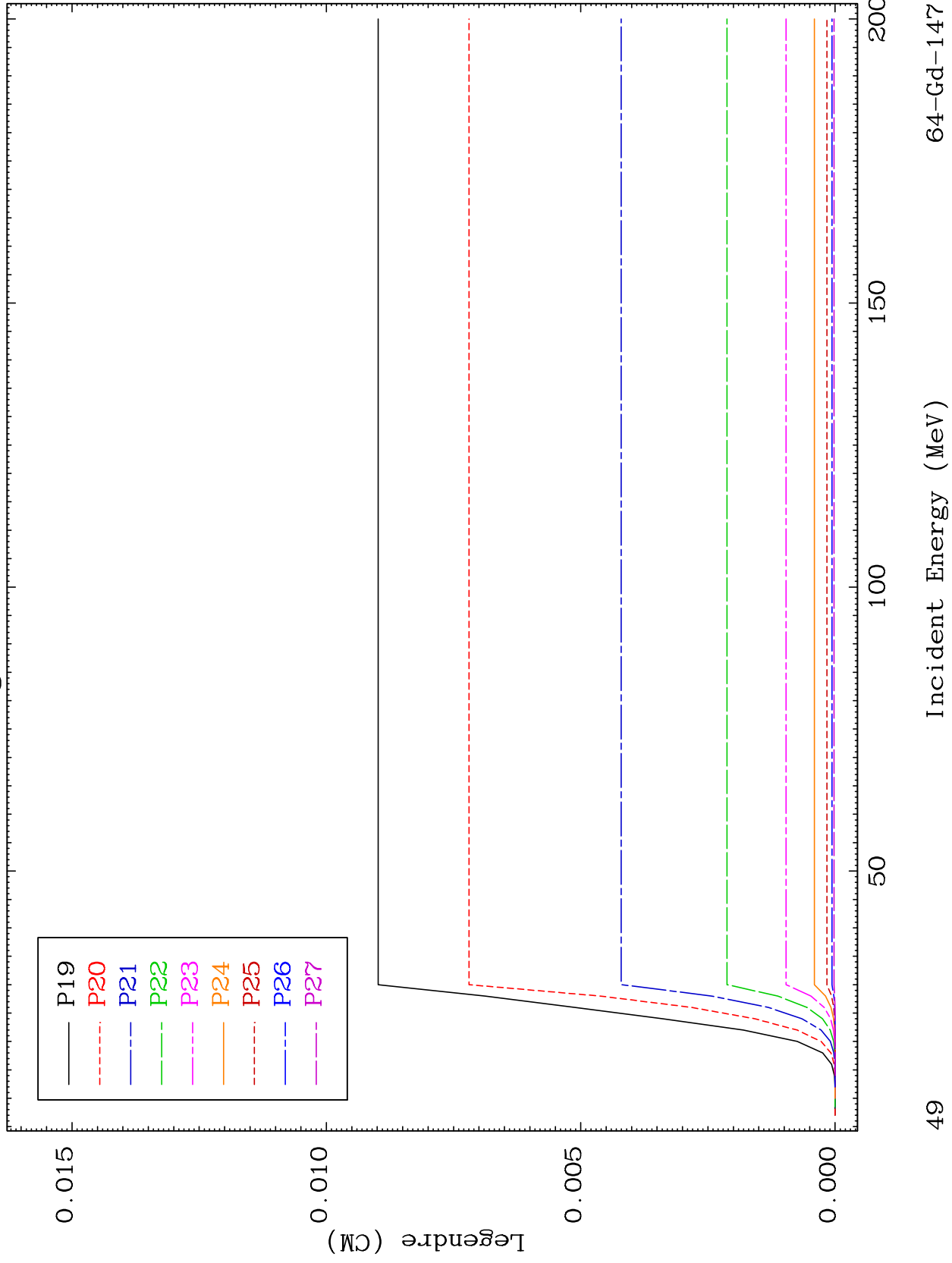
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



49

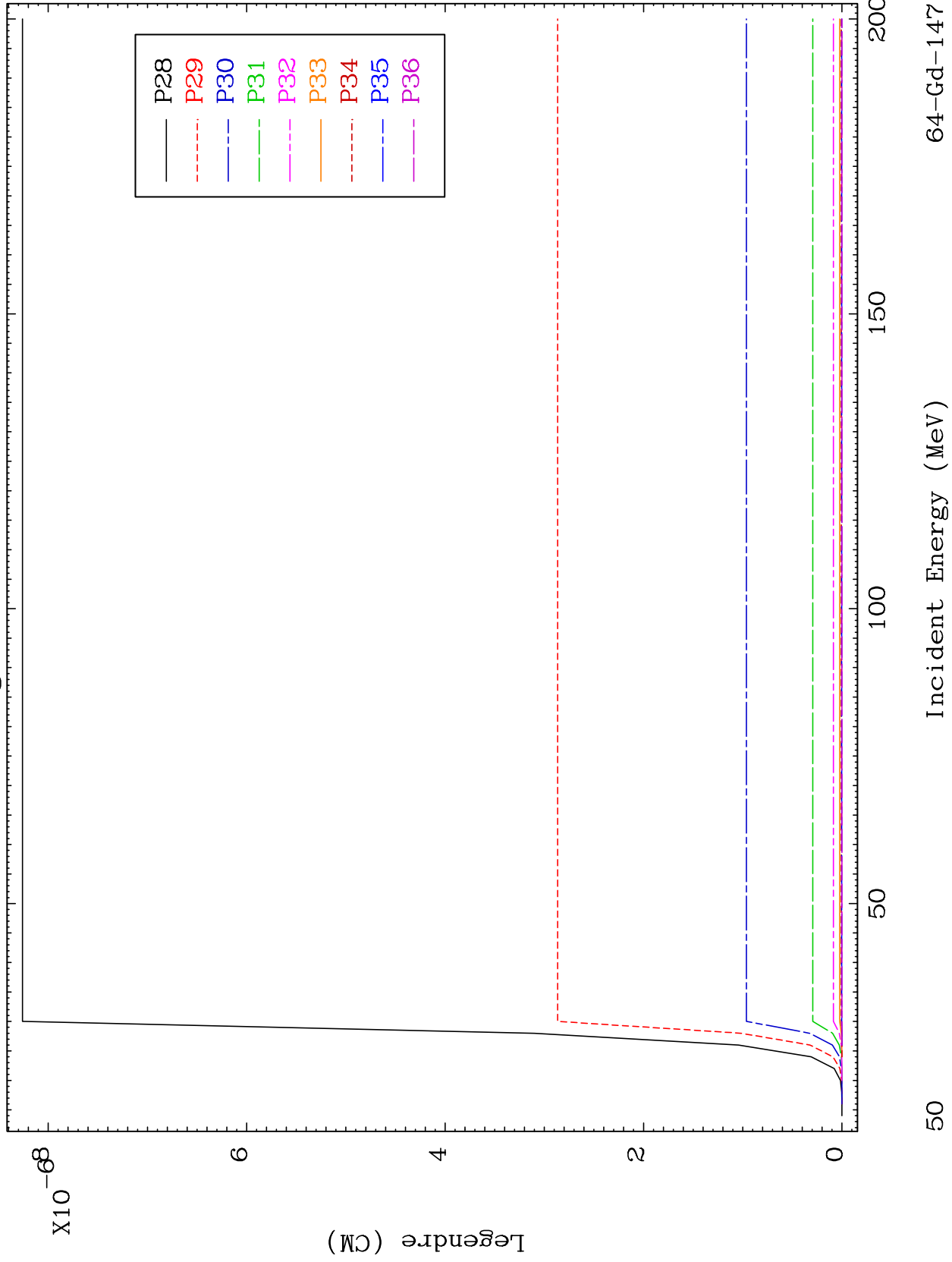
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

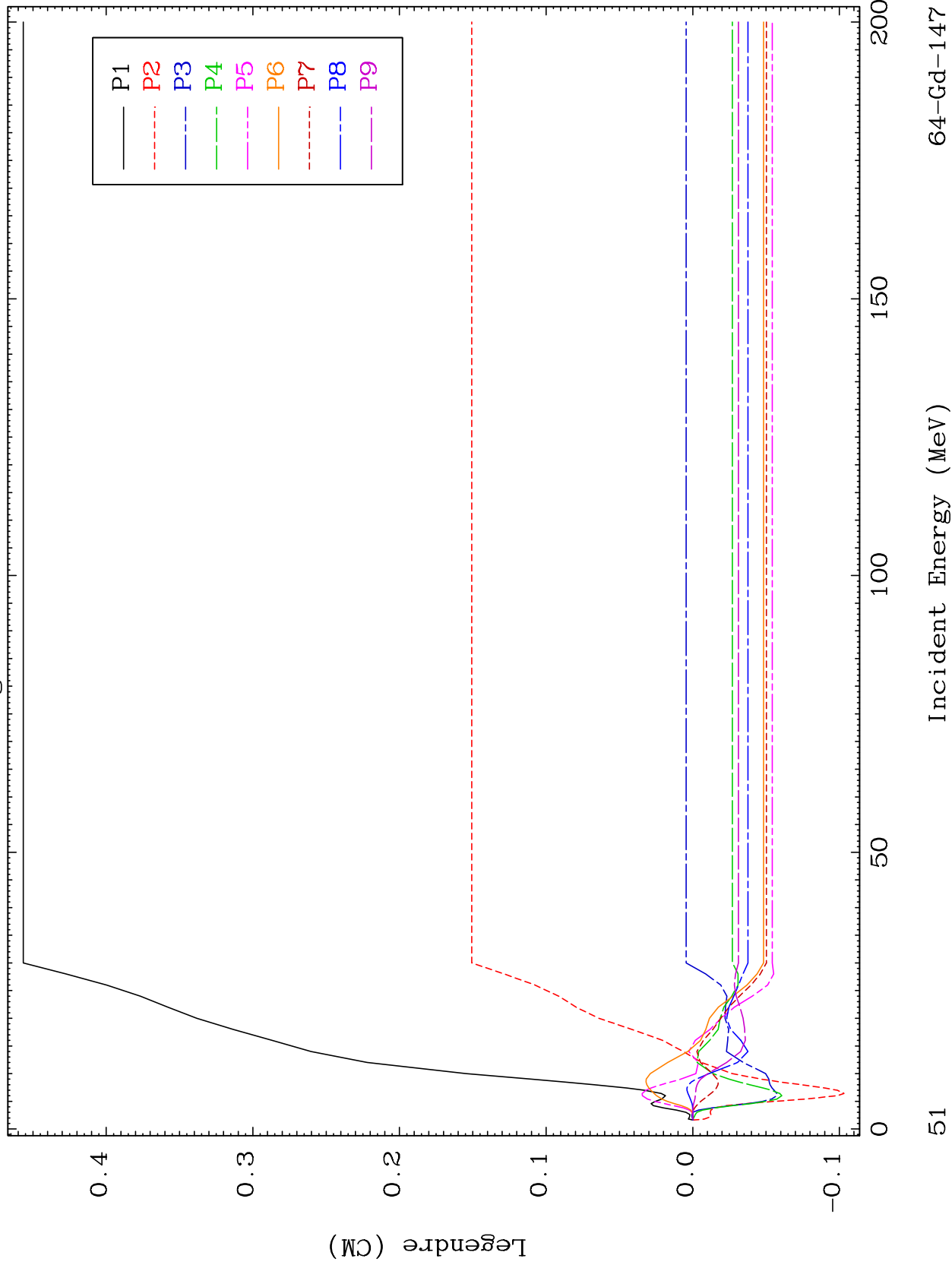
64-Gd-147



MAT 6410

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

64-Gd-147



64-Gd-147

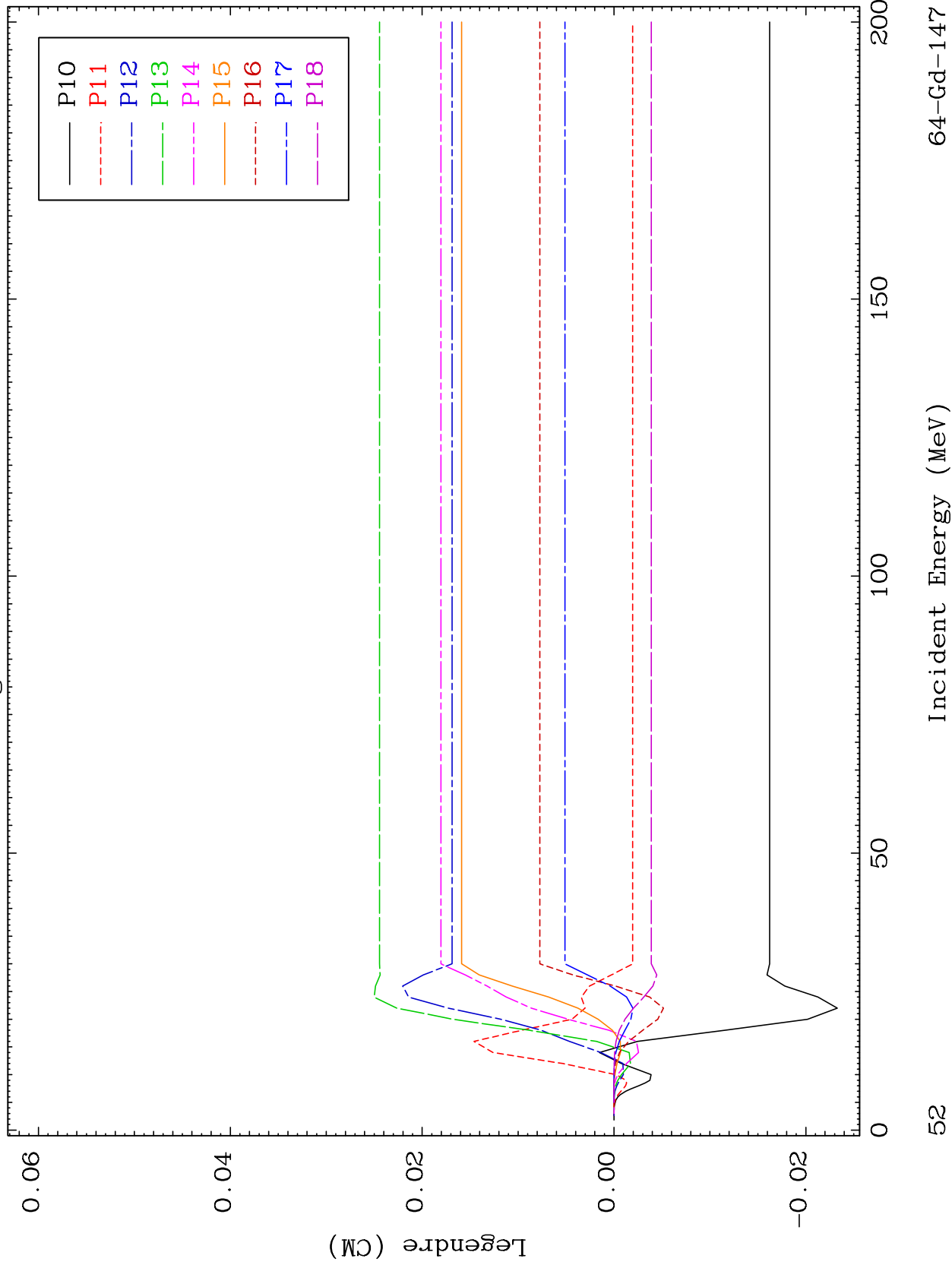
Incident Energy (MeV)

51

MAT 6410

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

64-Gd-147



64-Gd-147

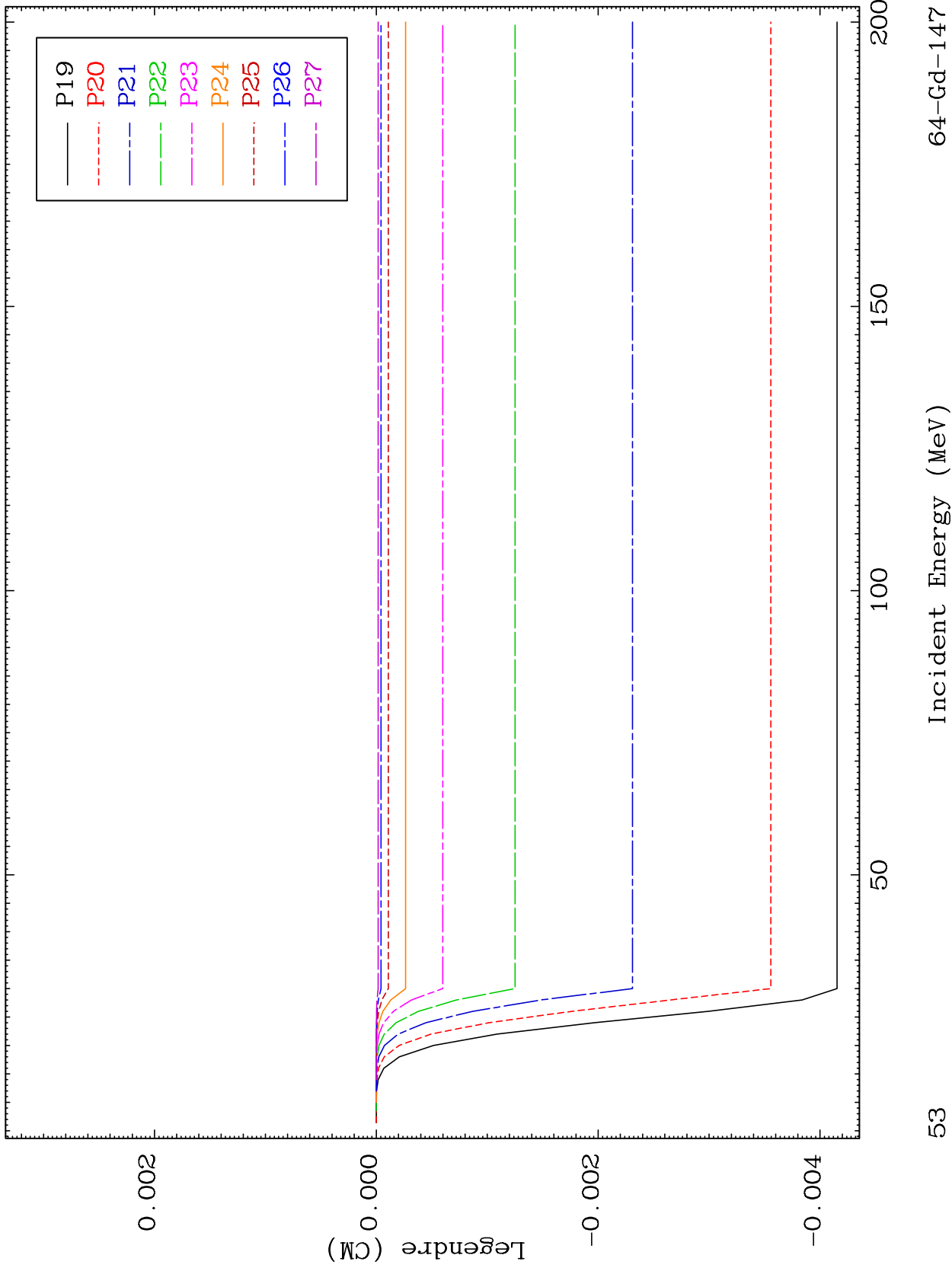
Incident Energy (MeV)

52

MAT 6410

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

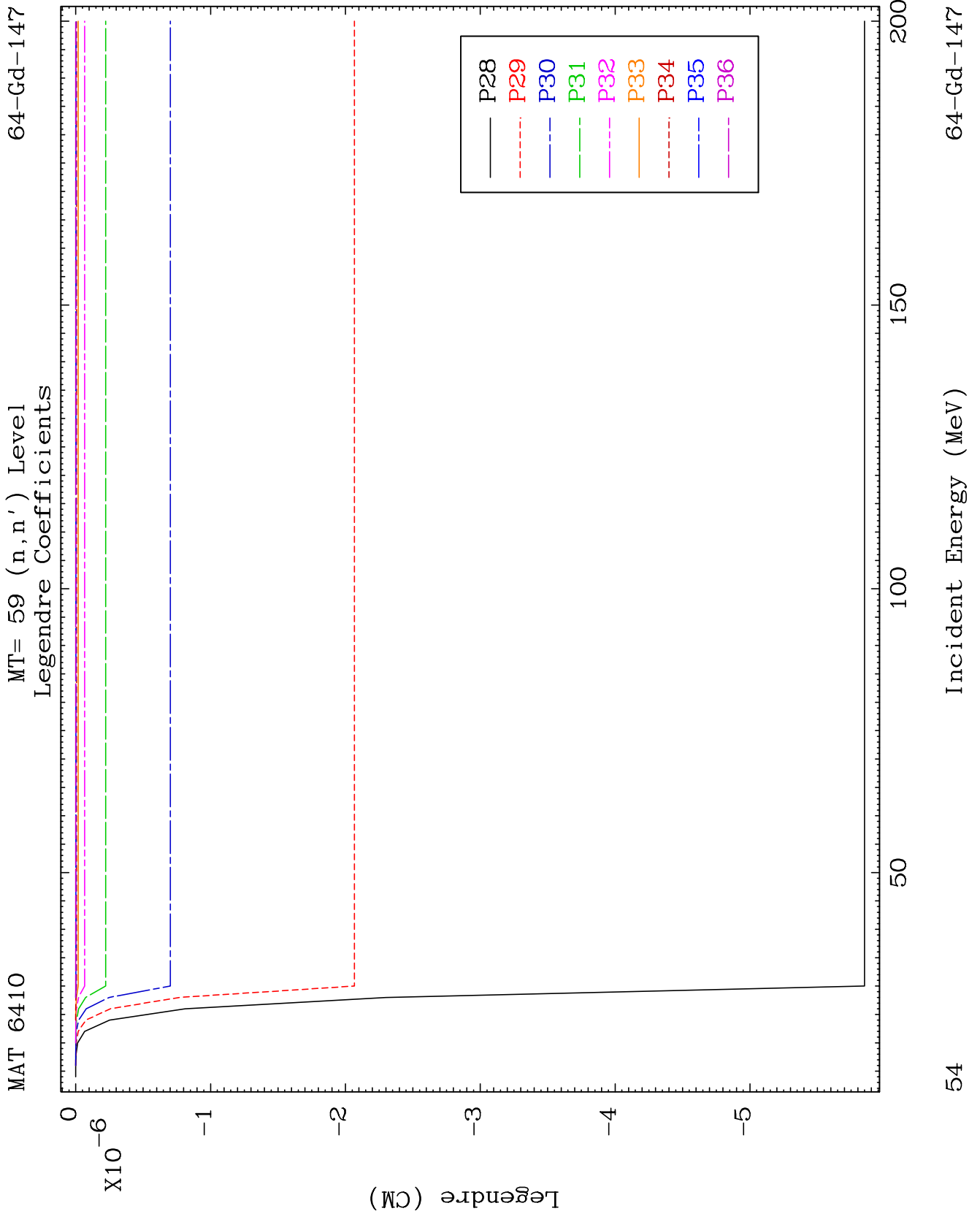
64-Gd-147



53

Incident Energy (MeV)

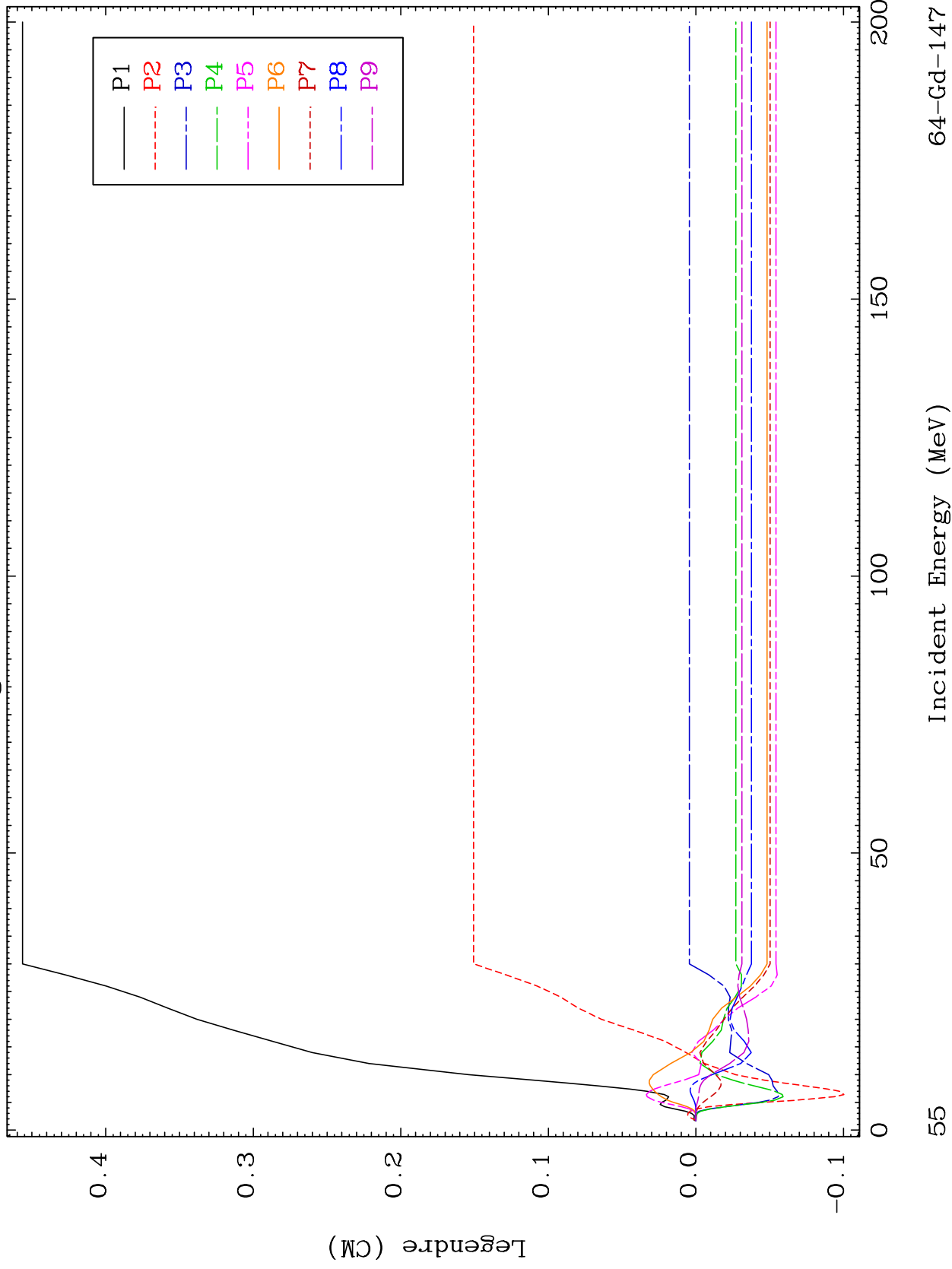
64-Gd-147



MAT 6410

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

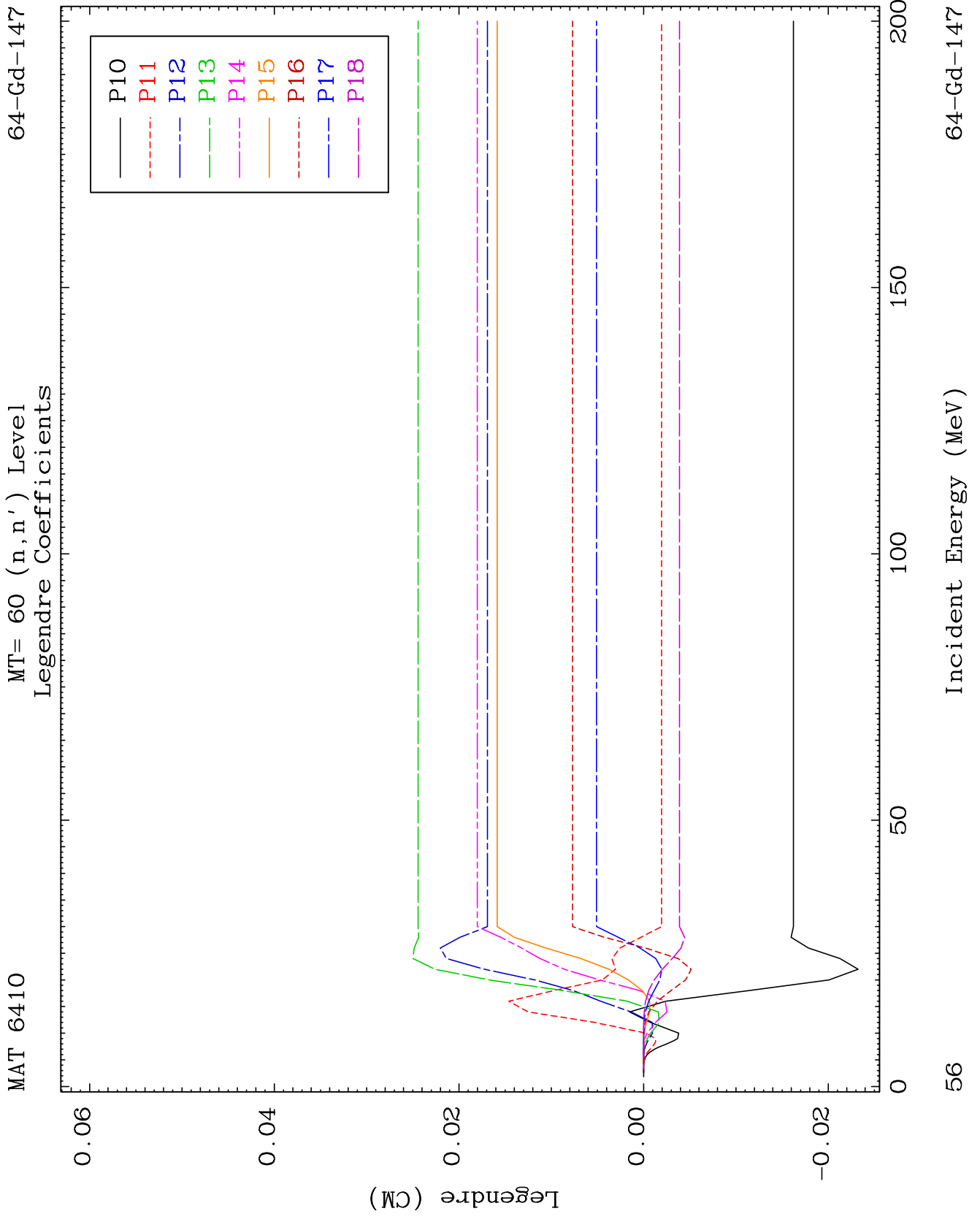
64-Gd-147



64-Gd-147

Incident Energy (MeV)

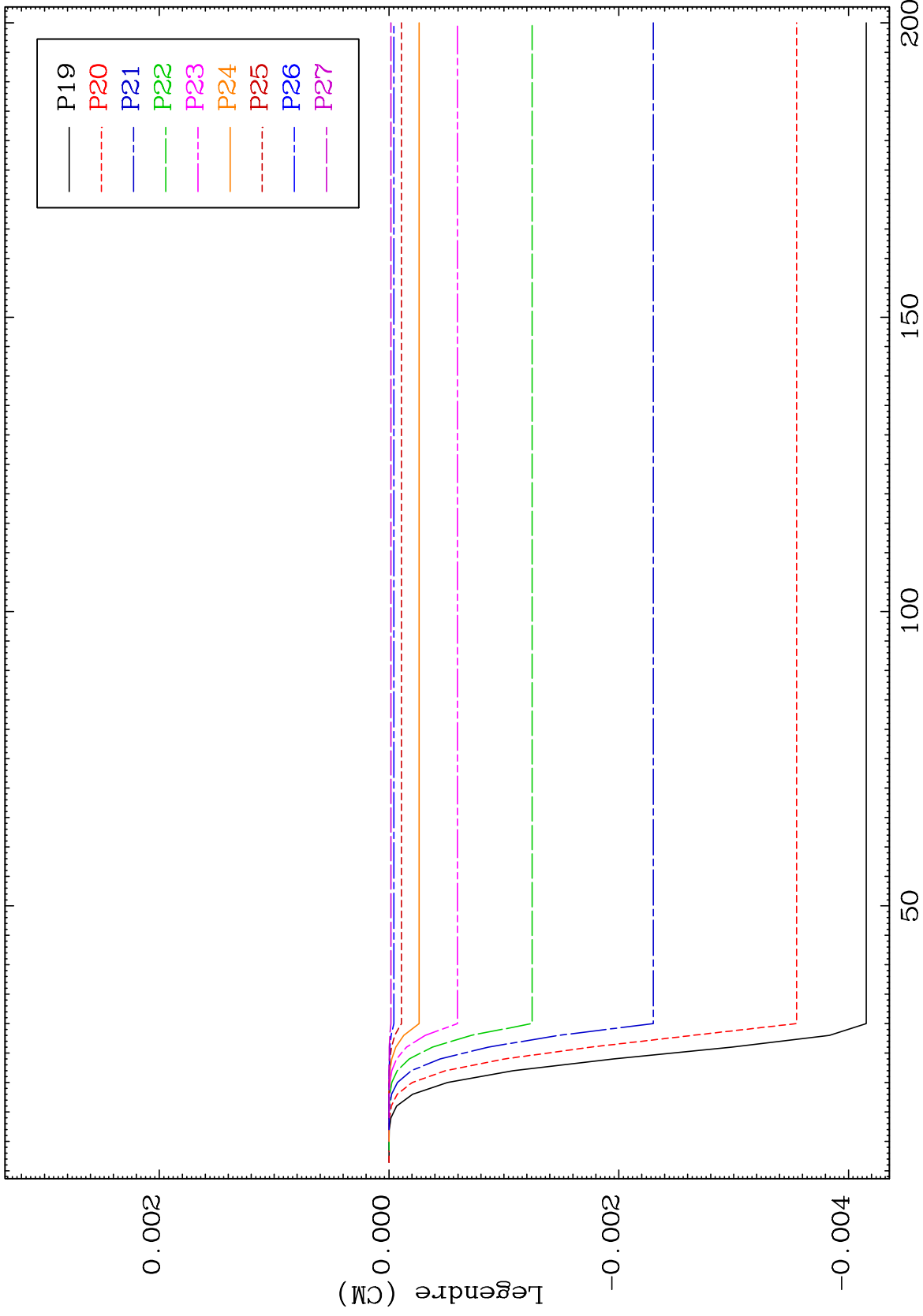
55



MAT 6410

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

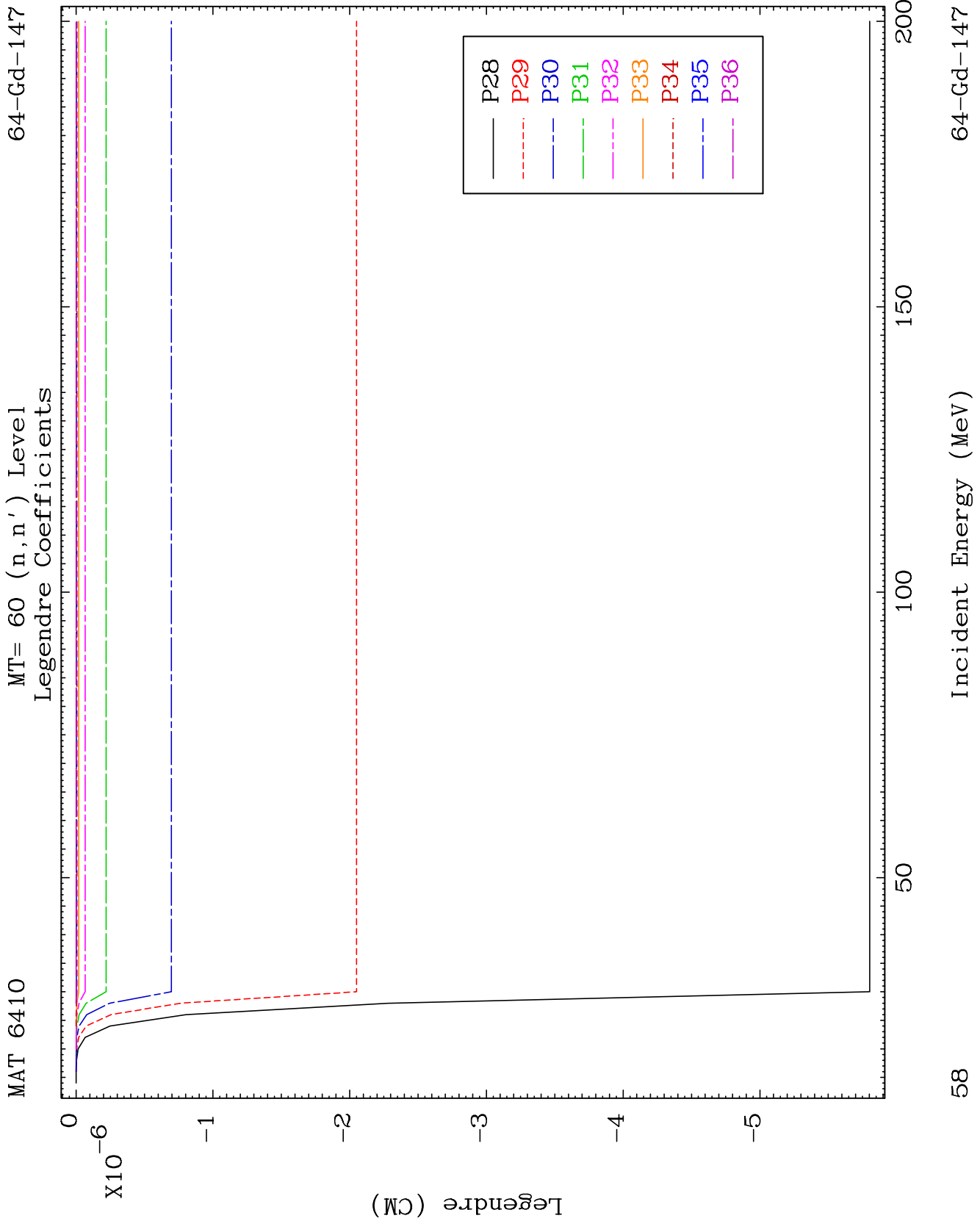
64-Gd-147



57

Incident Energy (MeV)

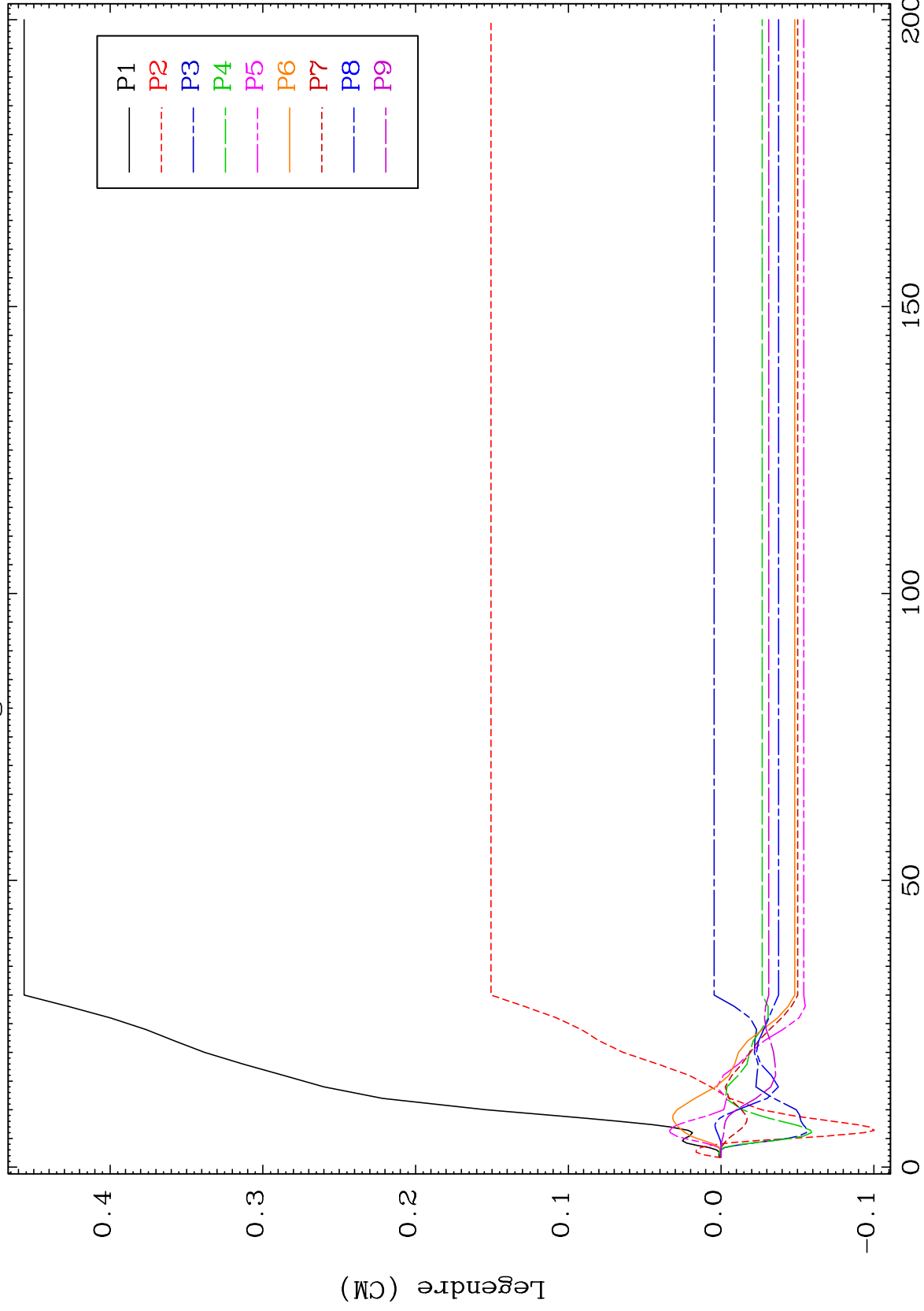
64-Gd-147



MAT 6410

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

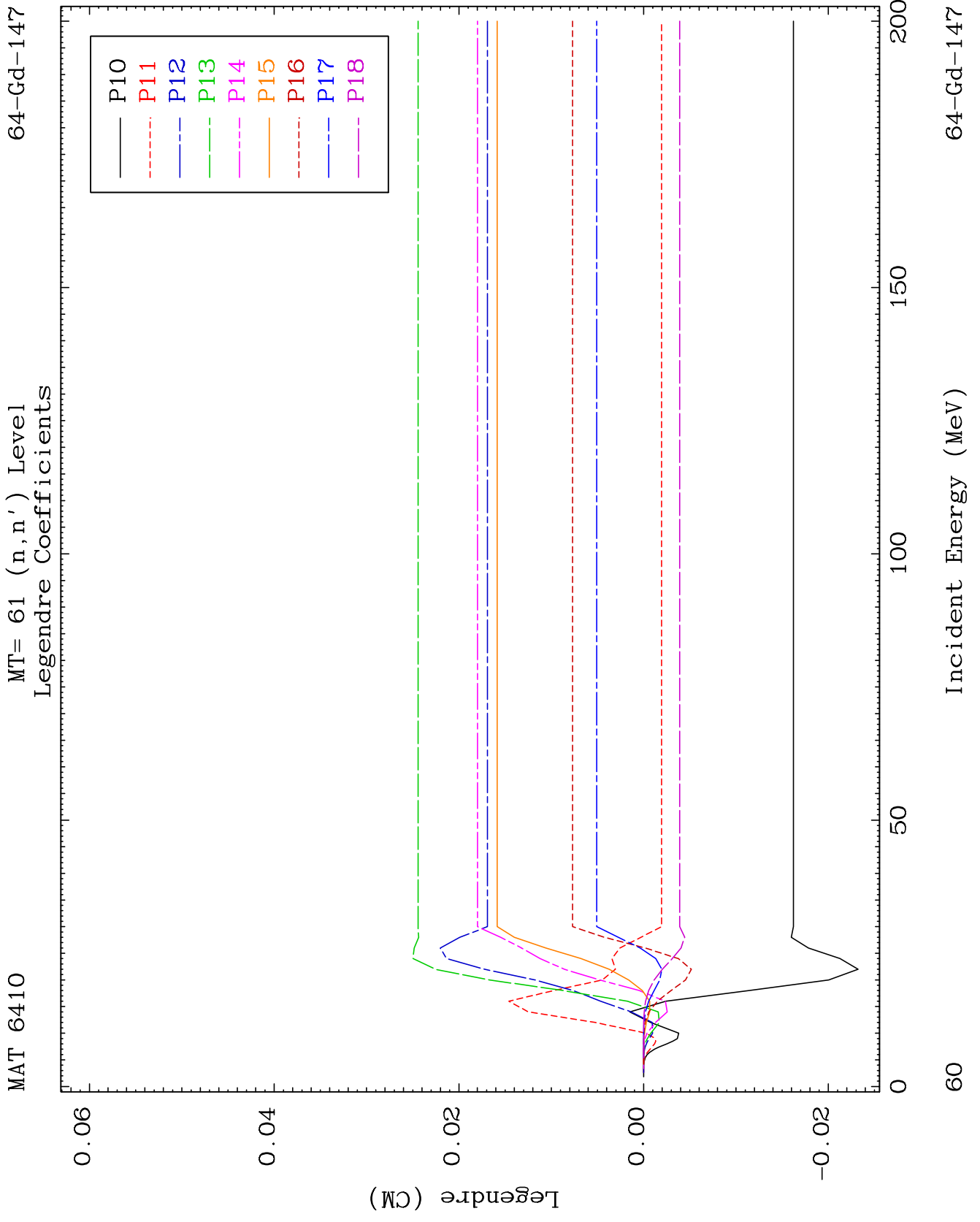
64-Gd-147



64-Gd-147

Incident Energy (MeV)

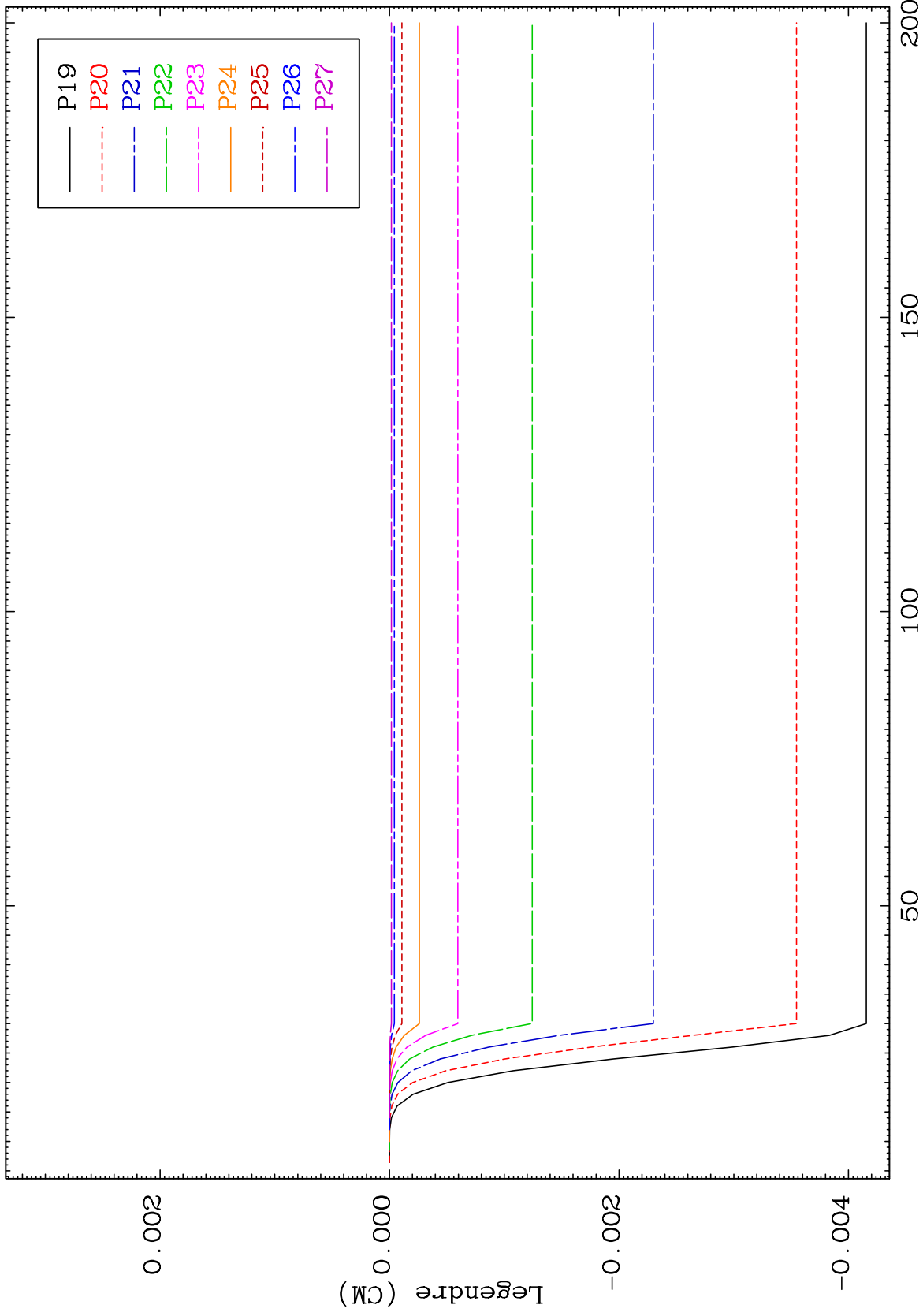
59



MAT 6410

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

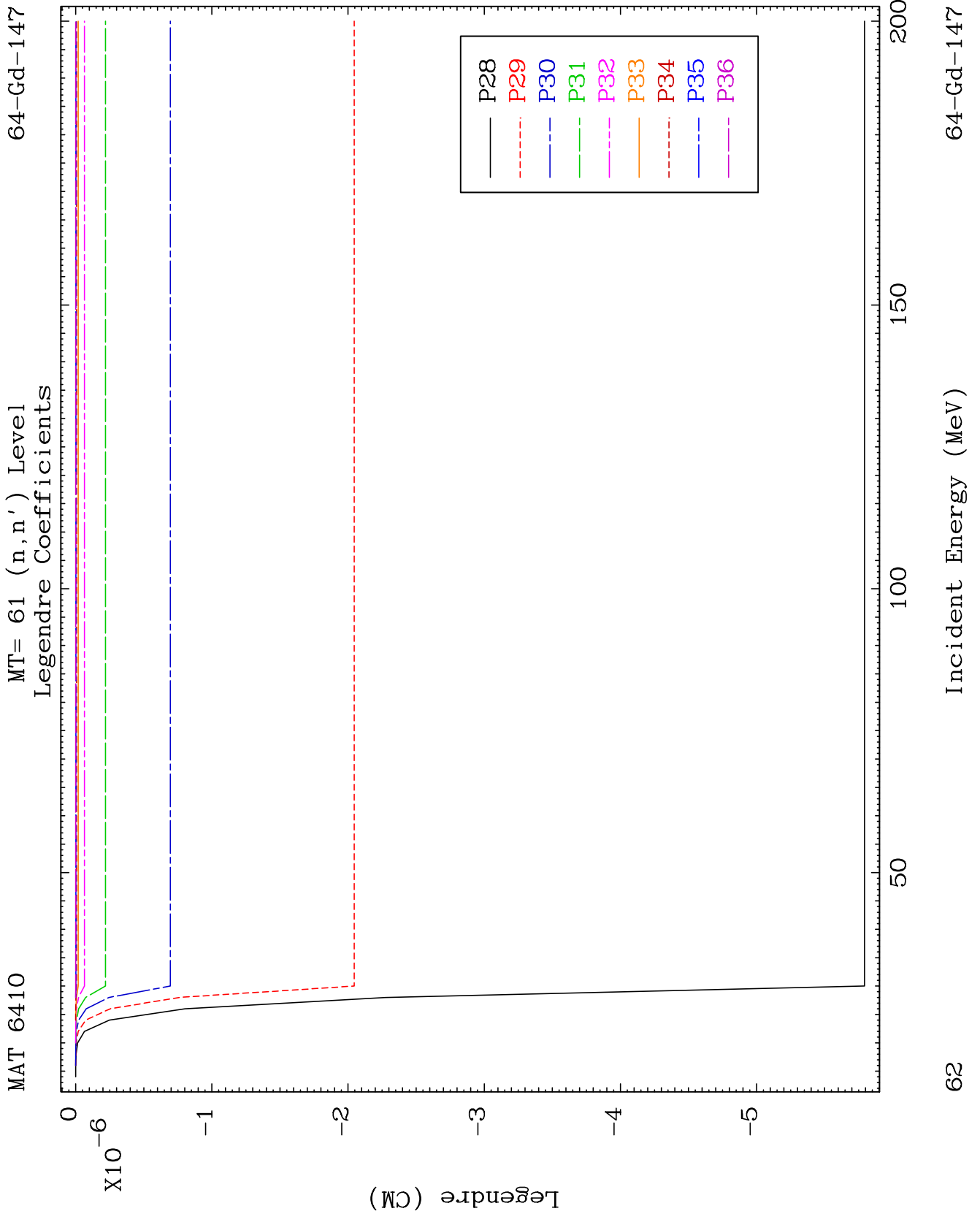
64-Gd-147



61

Incident Energy (MeV)

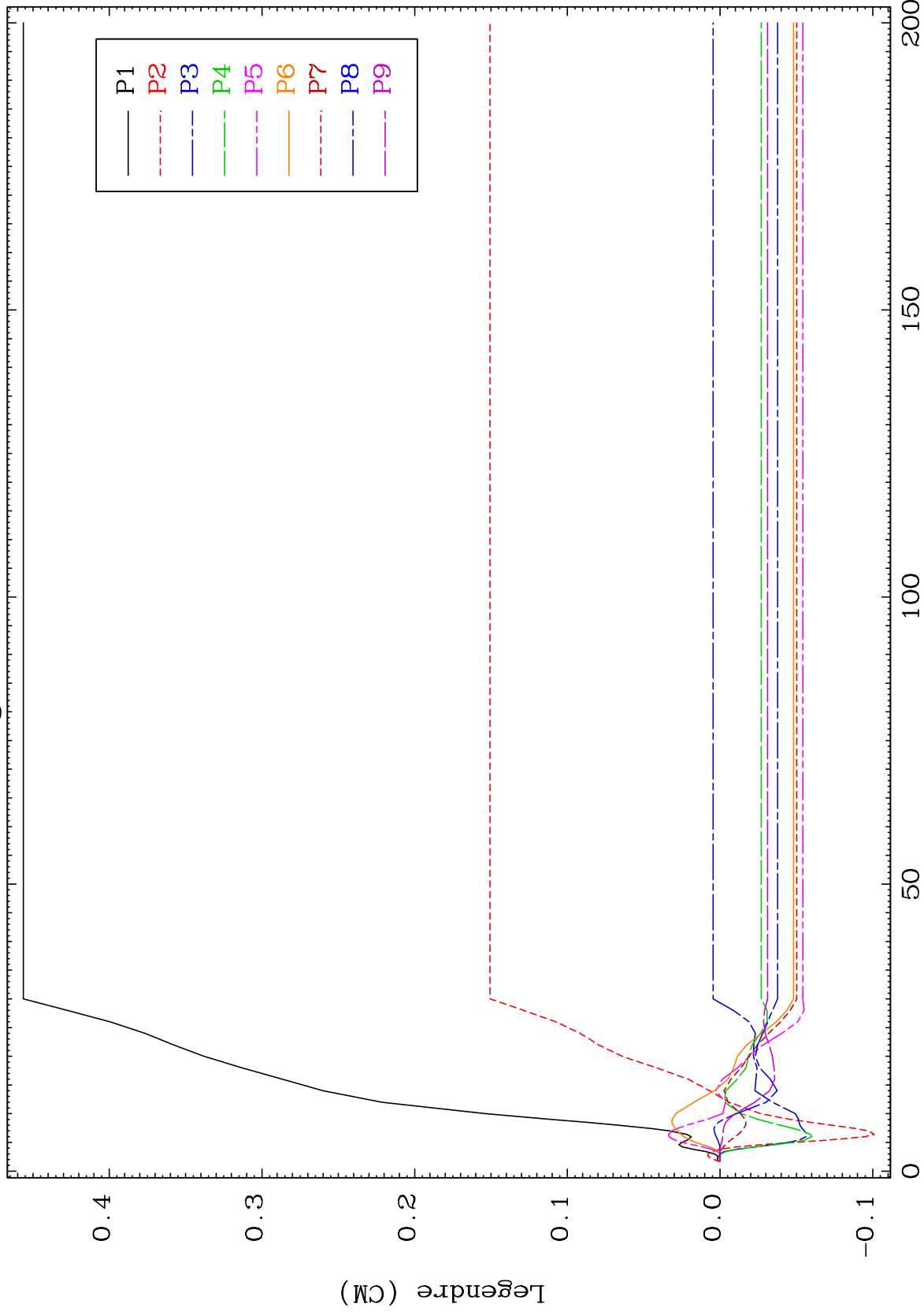
64-Gd-147



MAT 6410

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

64-Gd-147



63

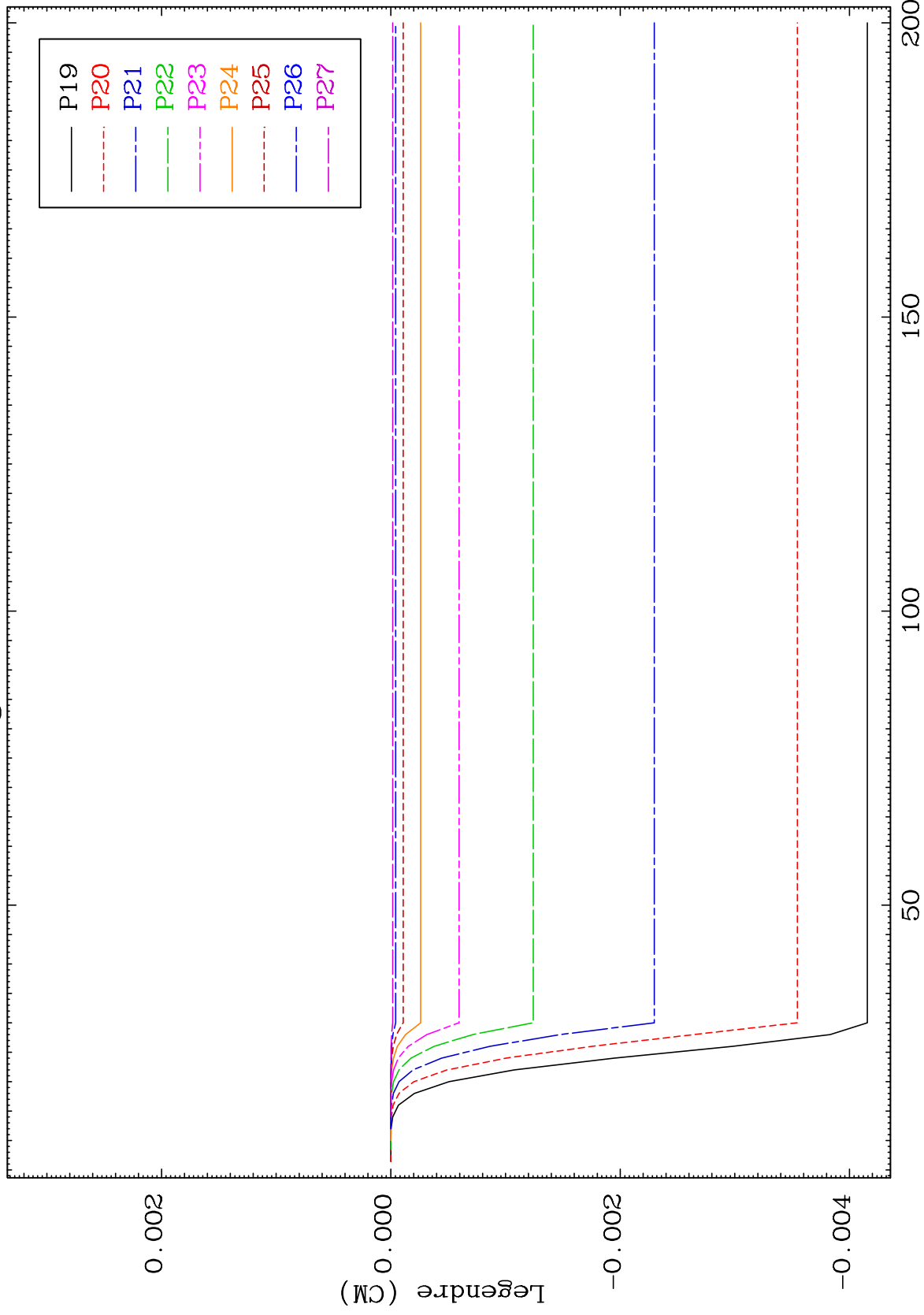
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



65

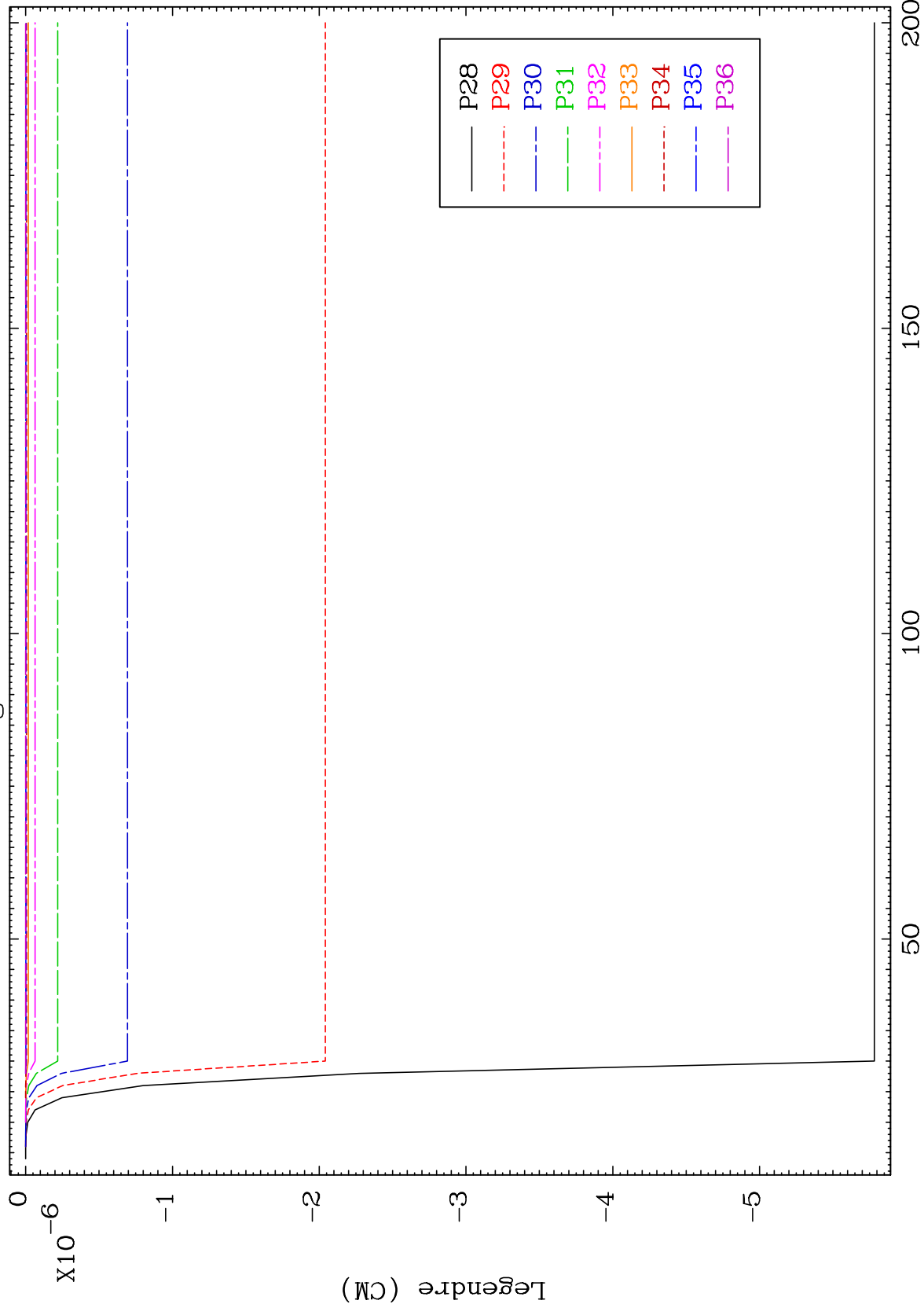
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



66

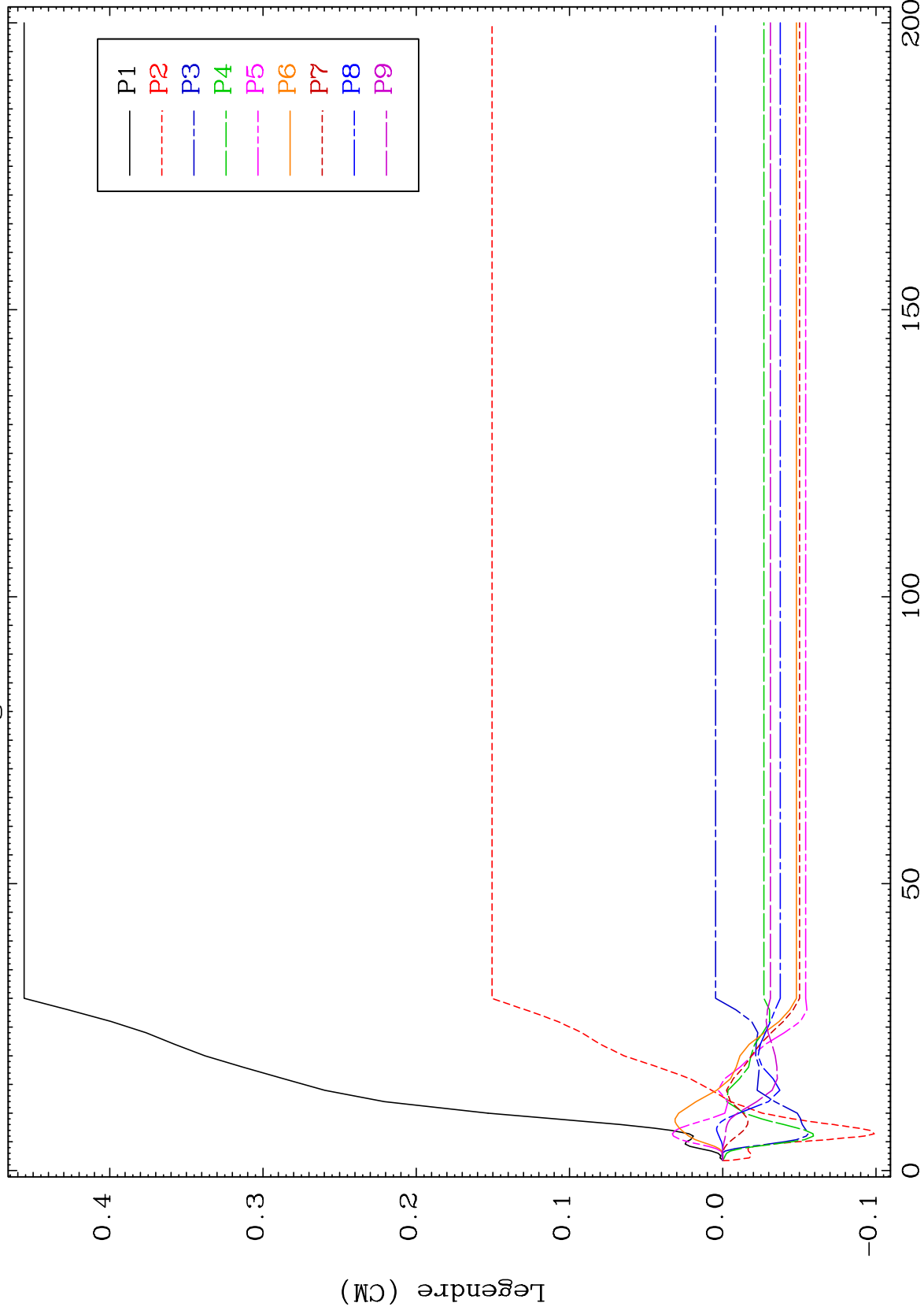
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



67

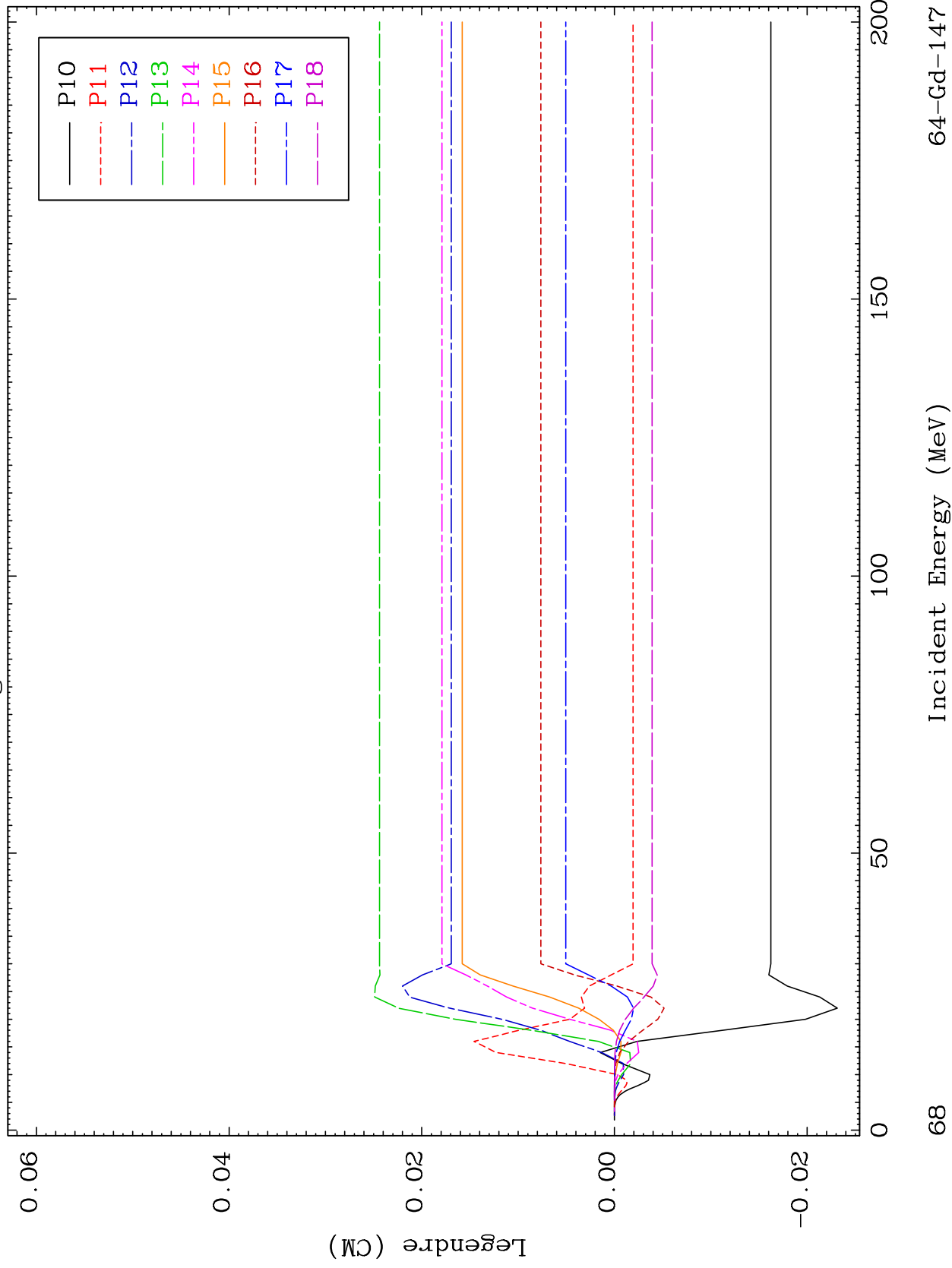
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

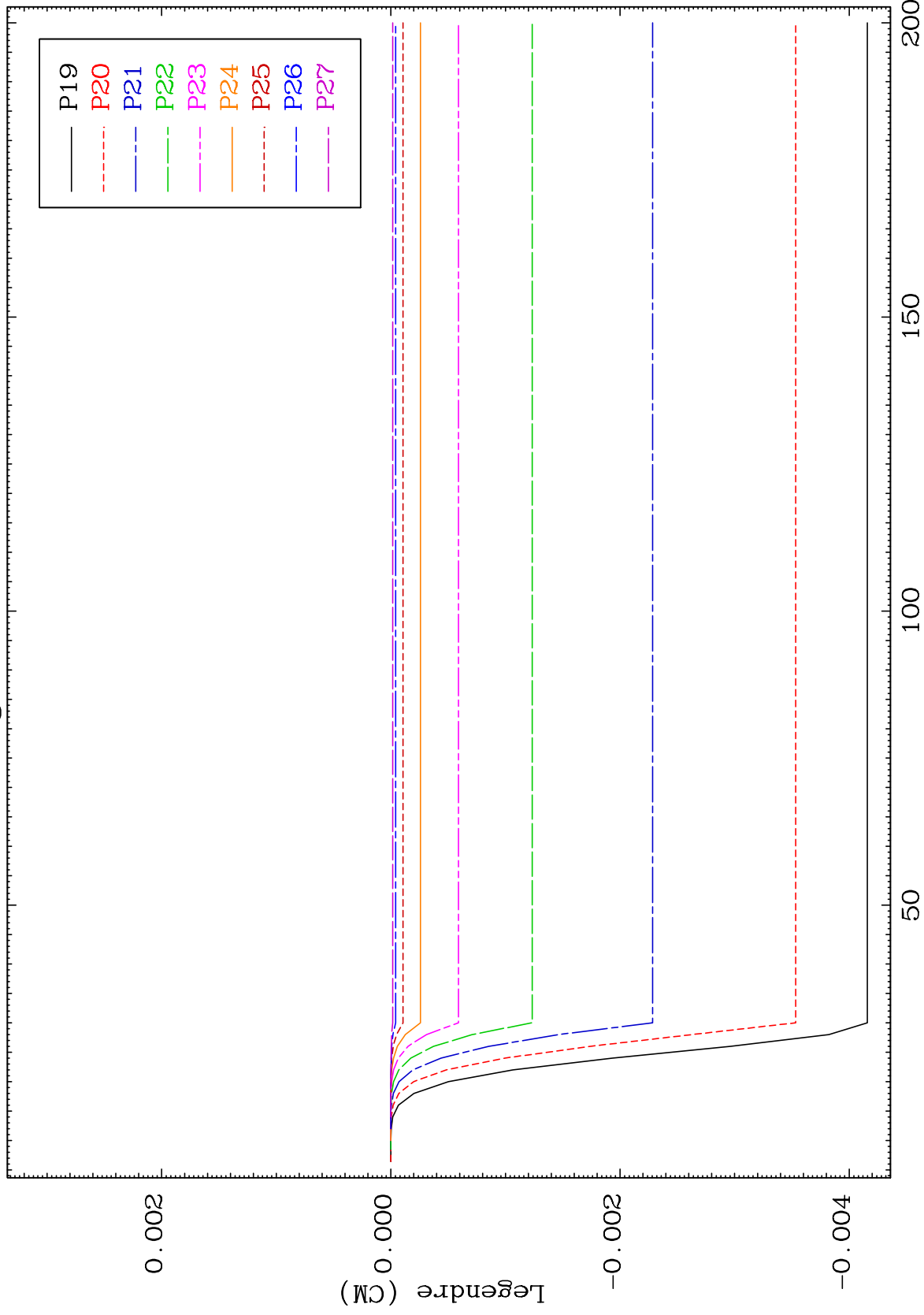
Incident Energy (MeV)

68

MAT 6410

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

64-Gd-147



69

Incident Energy (MeV)

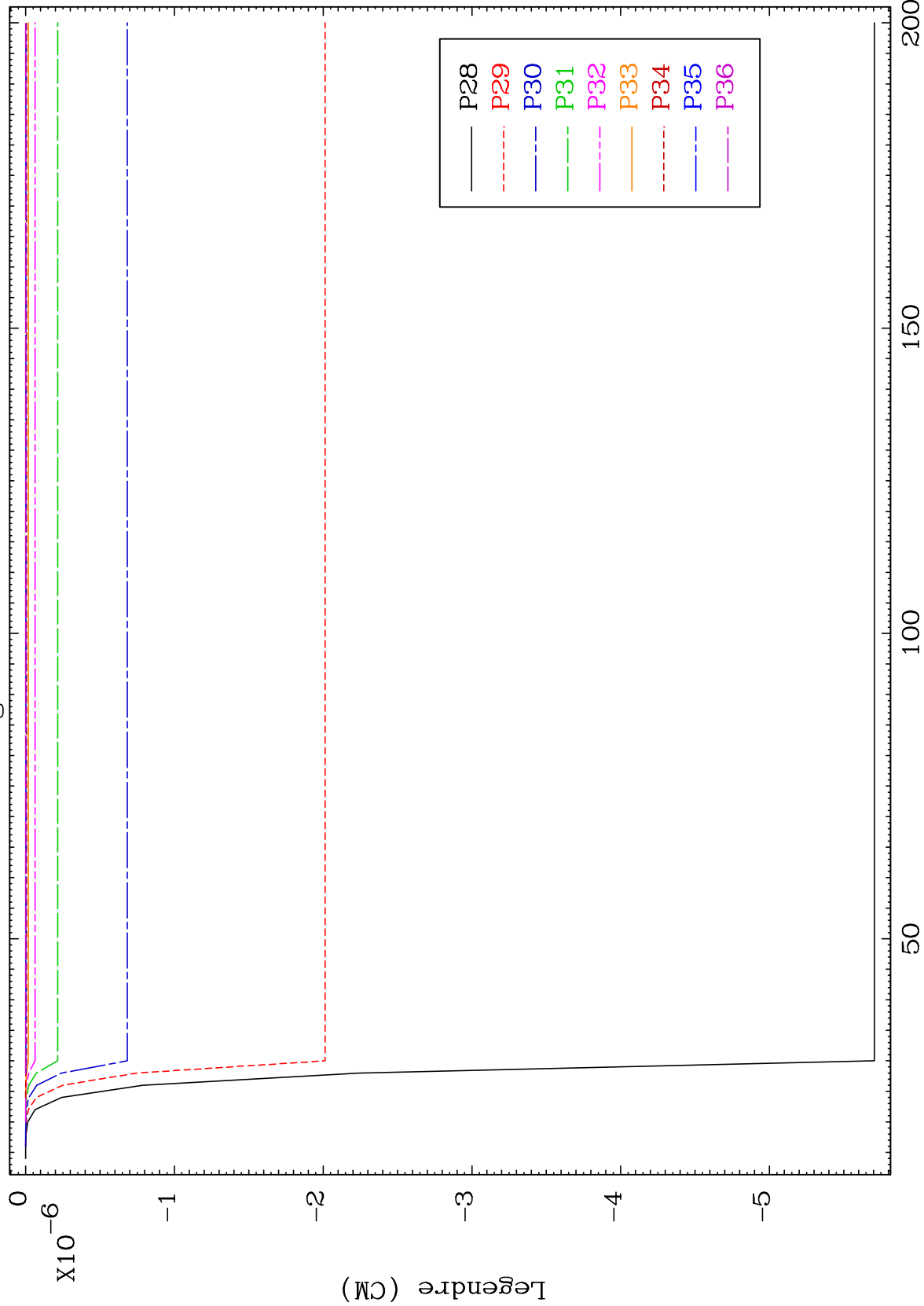
64-Gd-147

MAT 6410

MT= 63 (n,n') Level

64-Gd-147

Legendre Coefficients



64-Gd-147

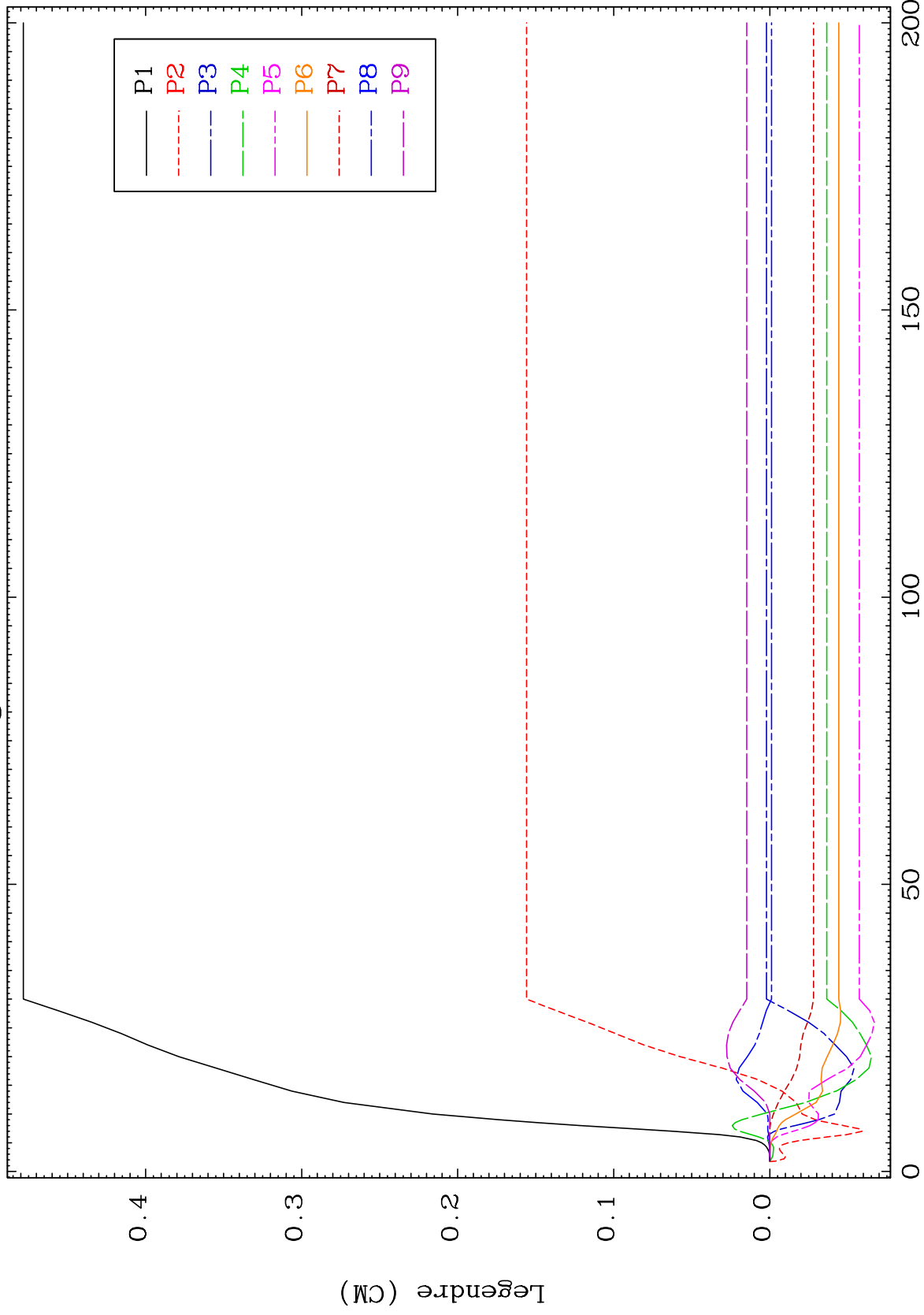
Incident Energy (MeV)

70

MAT 6410

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

64-Gd-147



71

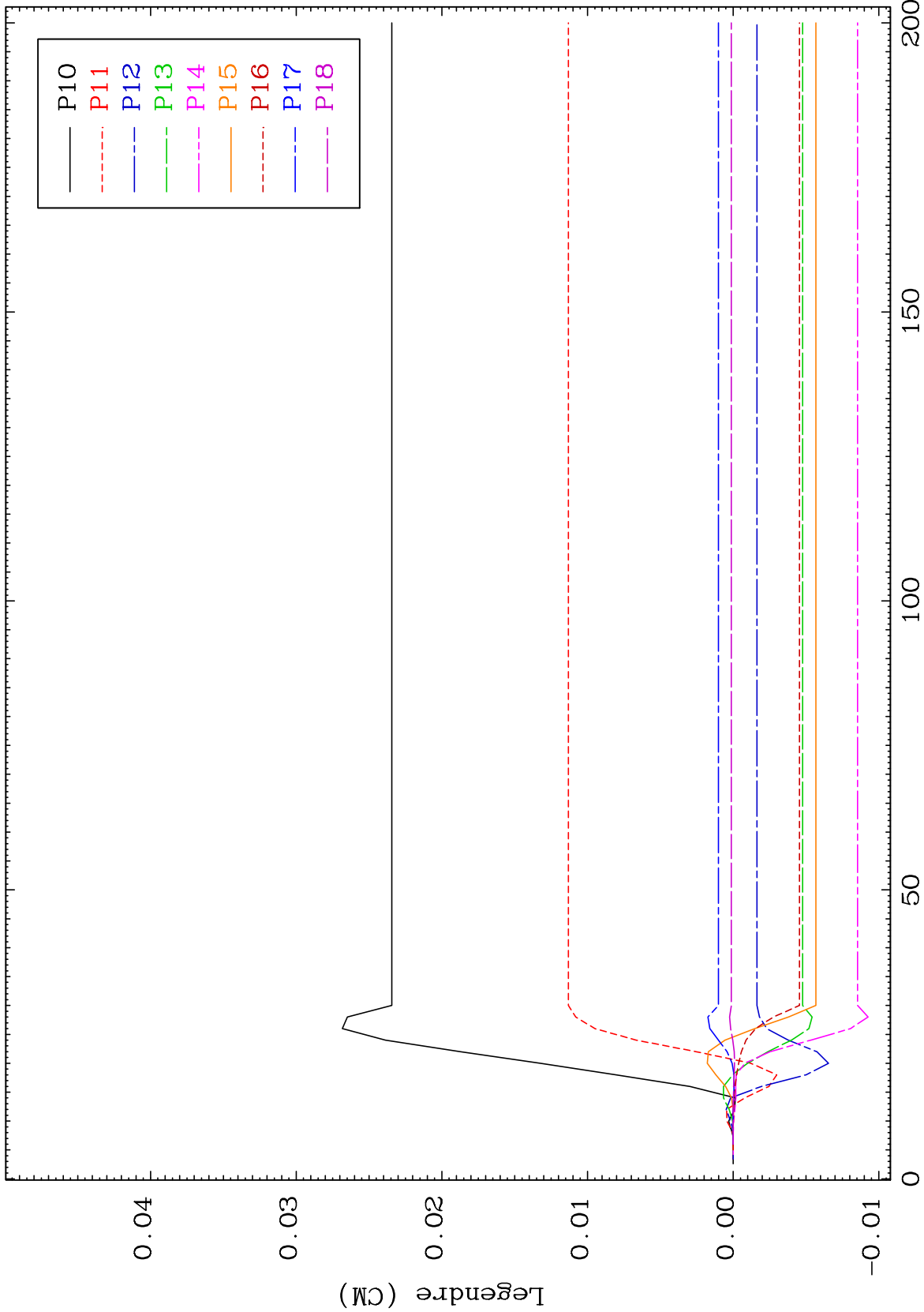
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



72

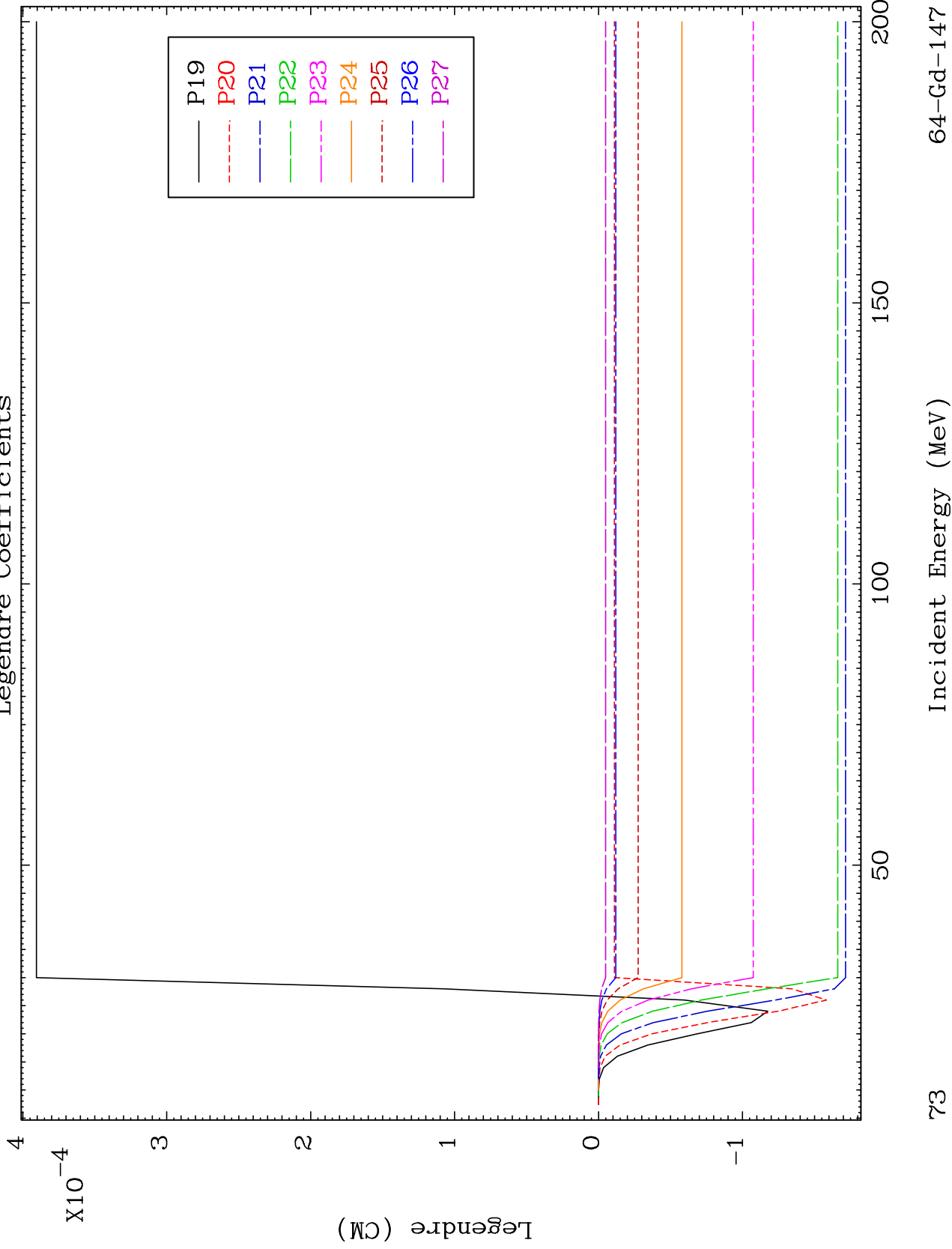
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

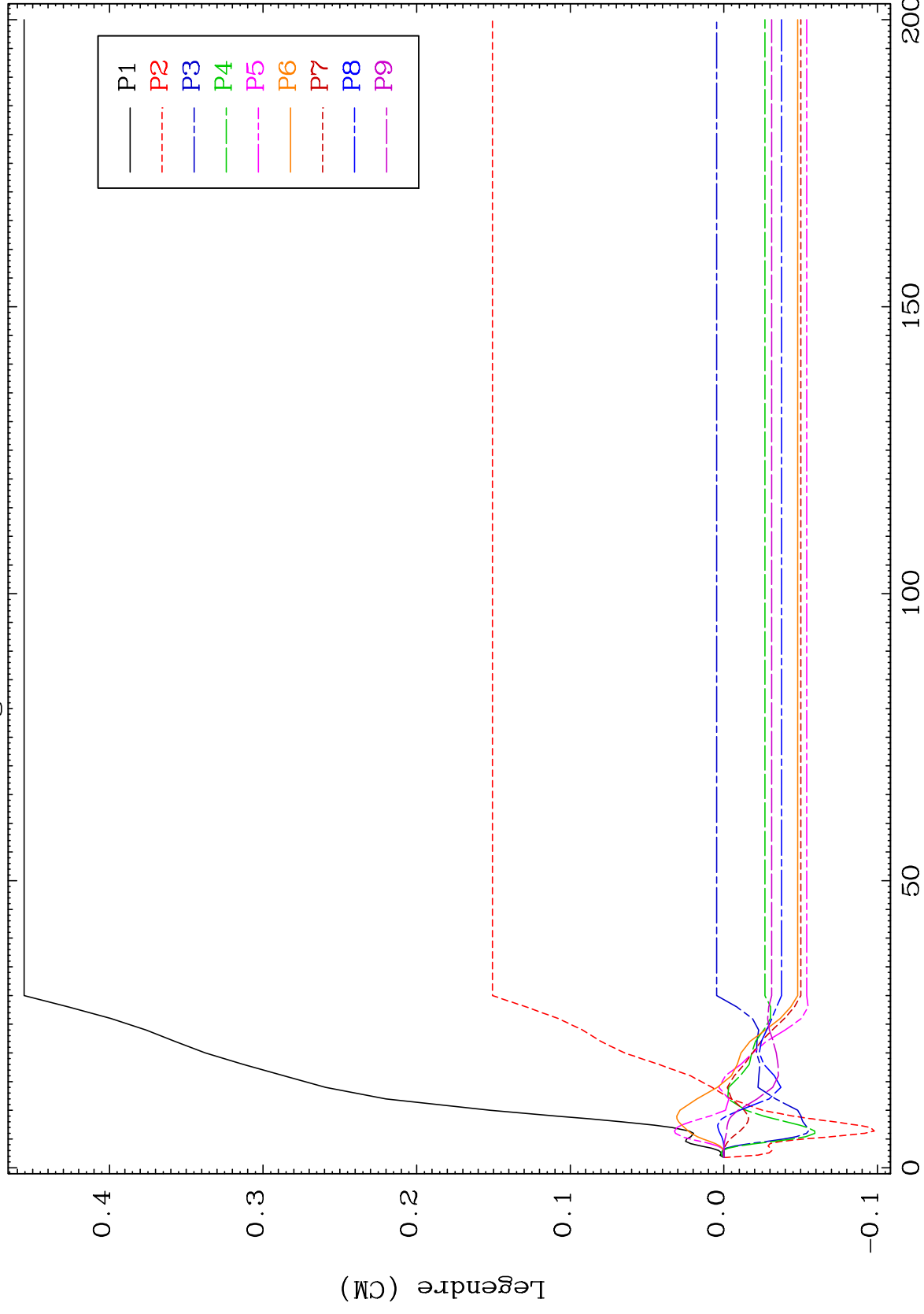
64-Gd-147



MAT 6410

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

64-Gd-147



75

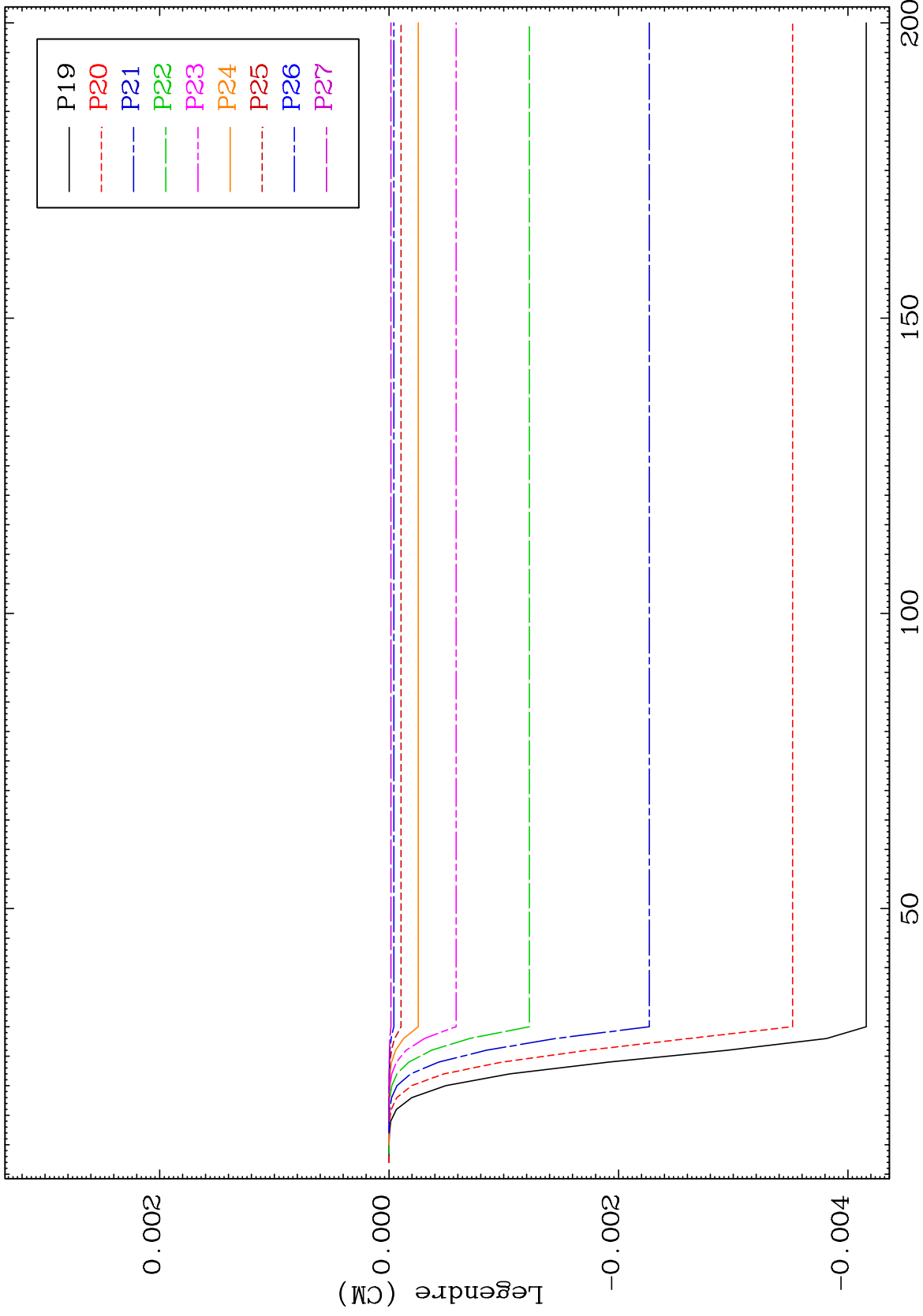
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

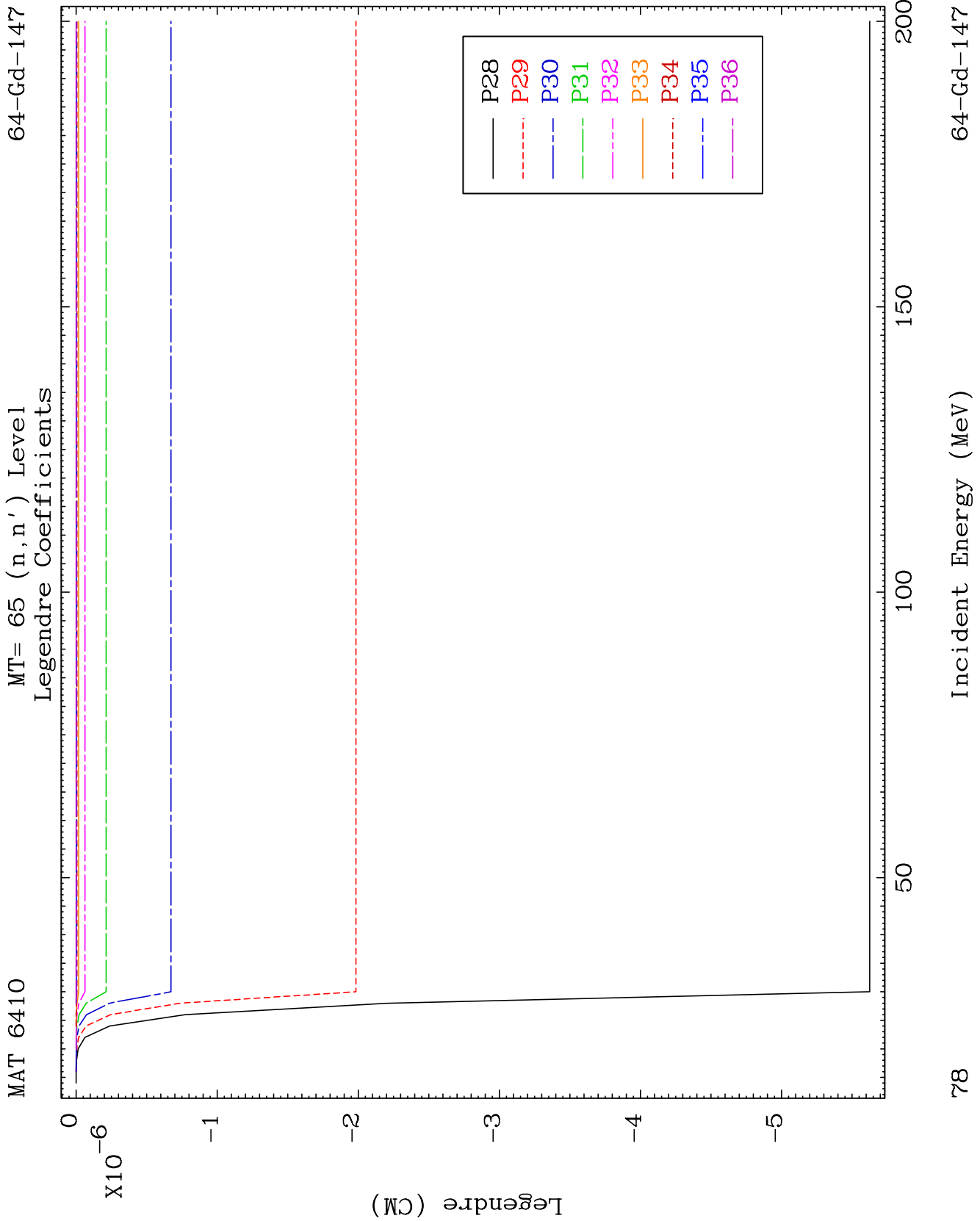
64-Gd-147



77

Incident Energy (MeV)

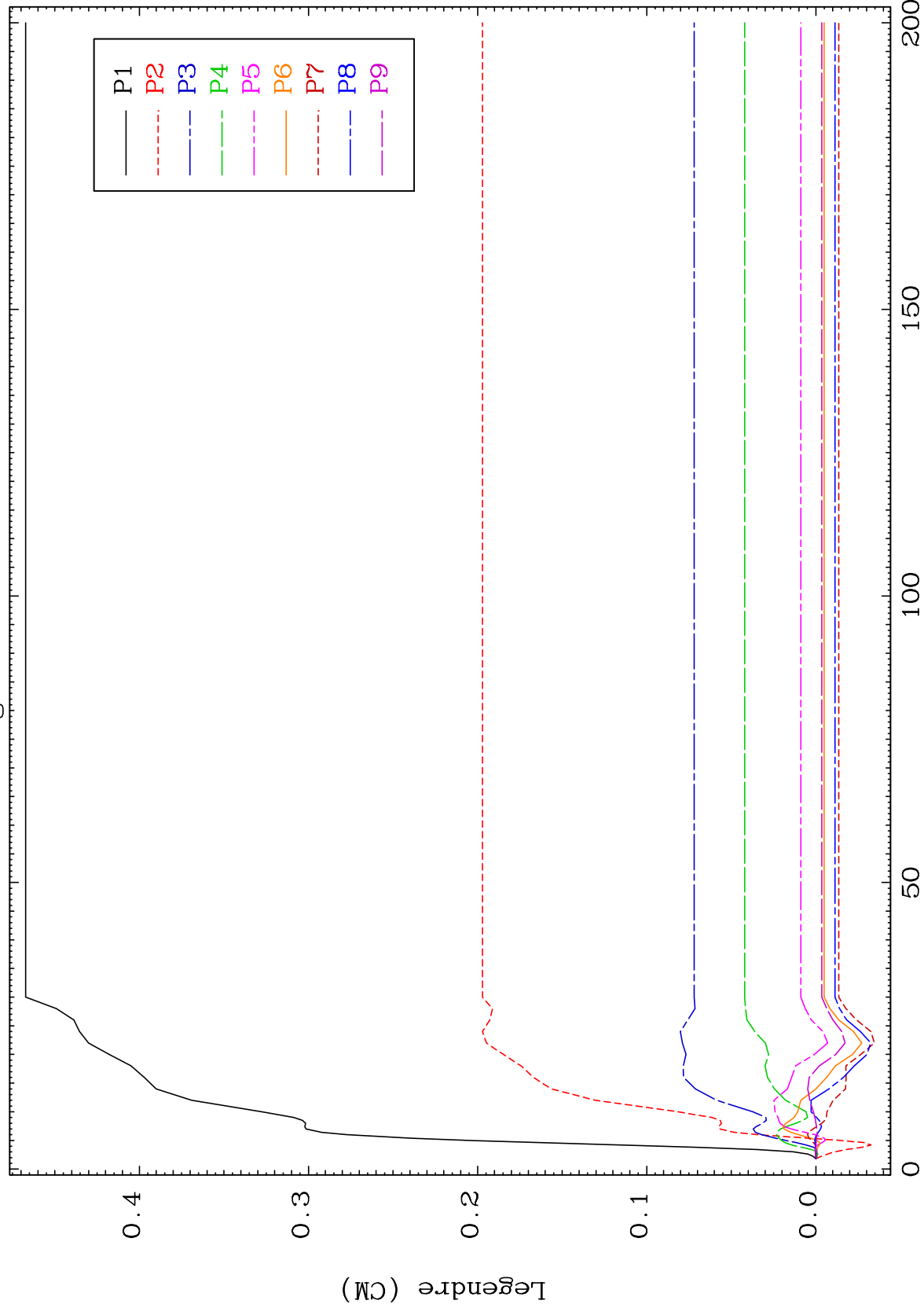
64-Gd-147



MAT 6410

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

64-Gd-147



79

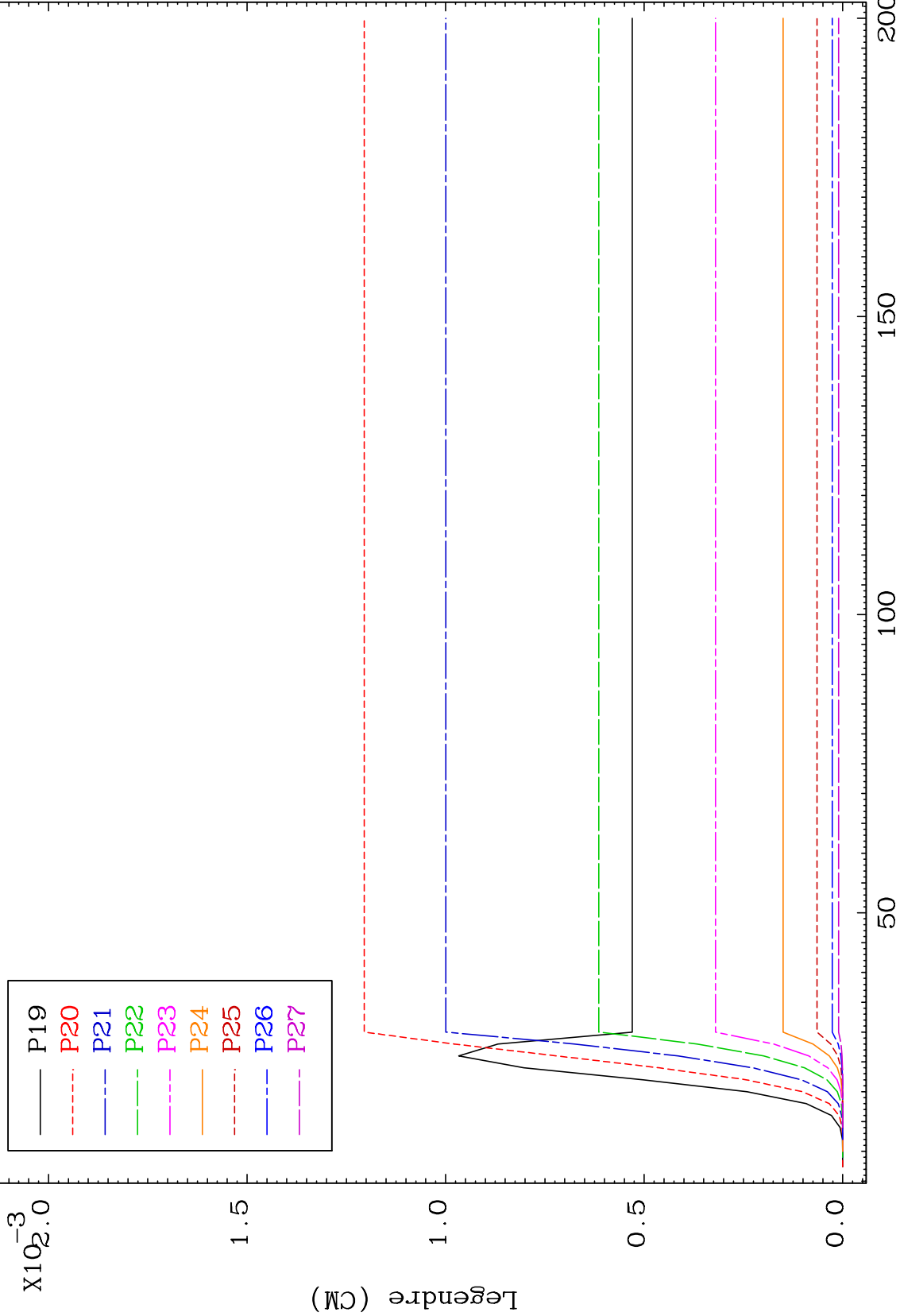
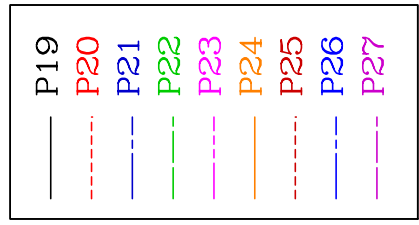
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



81

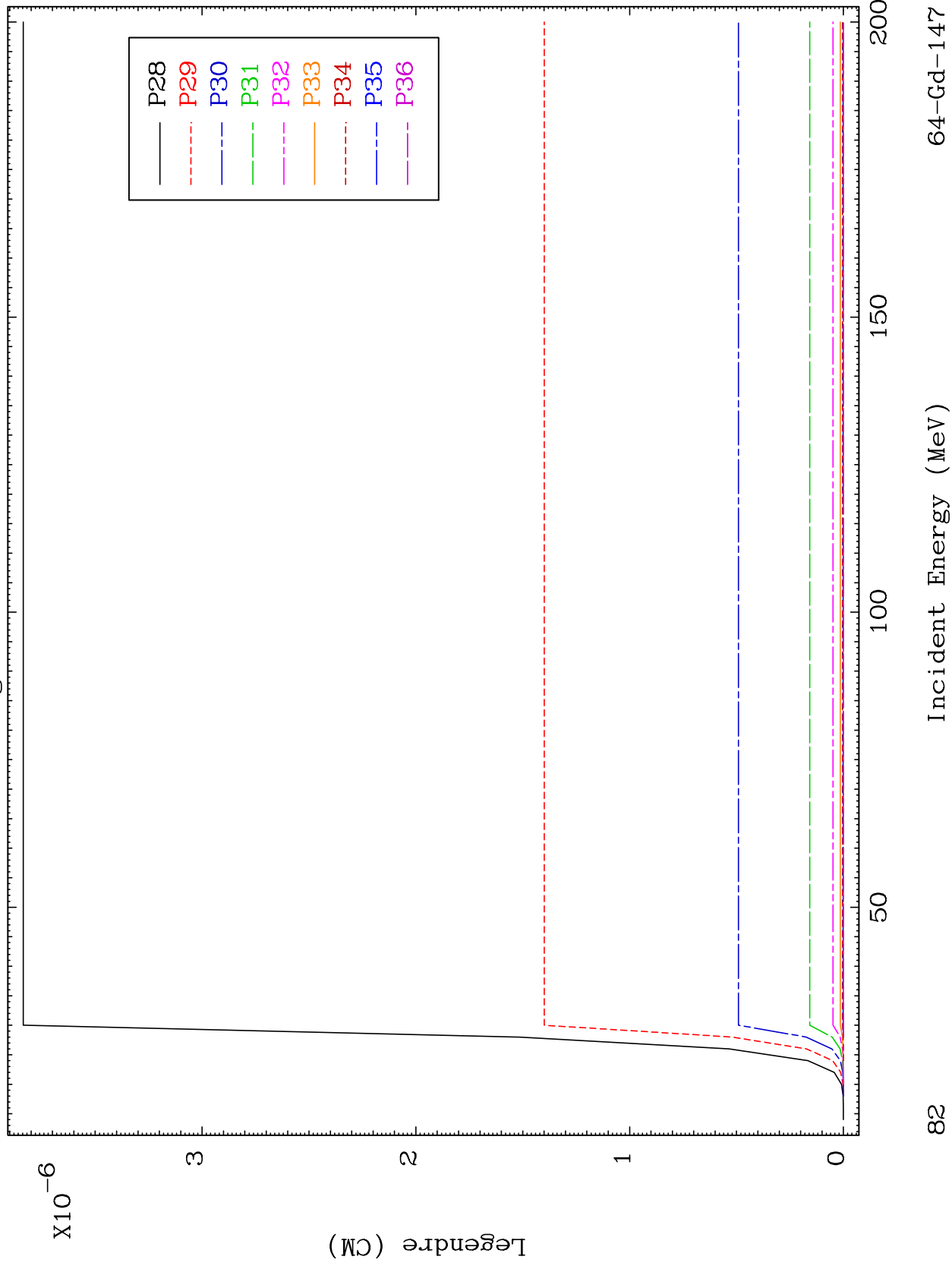
Incident Energy (MeV)

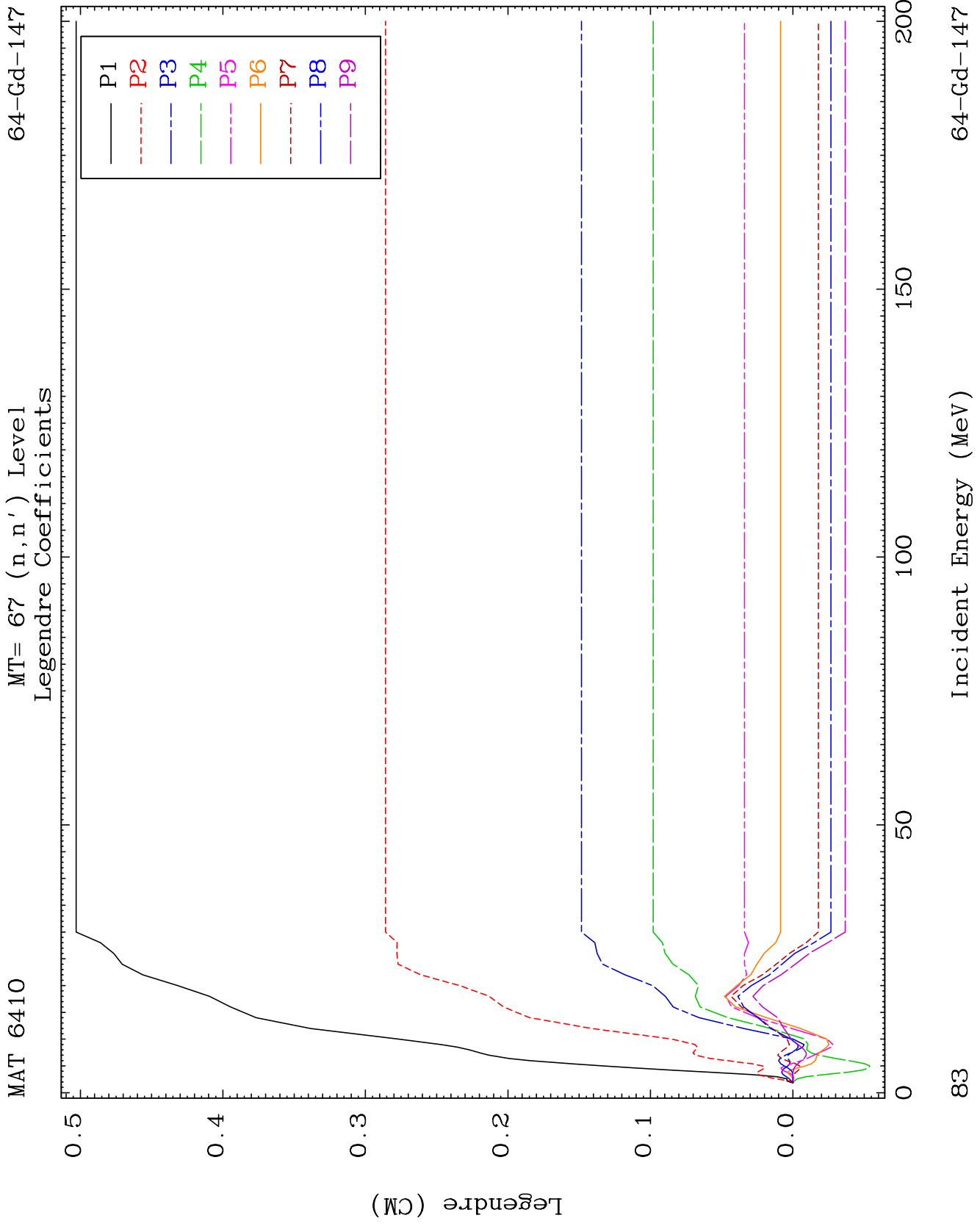
64-Gd-147

MAT 6410

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

64-Gd-147

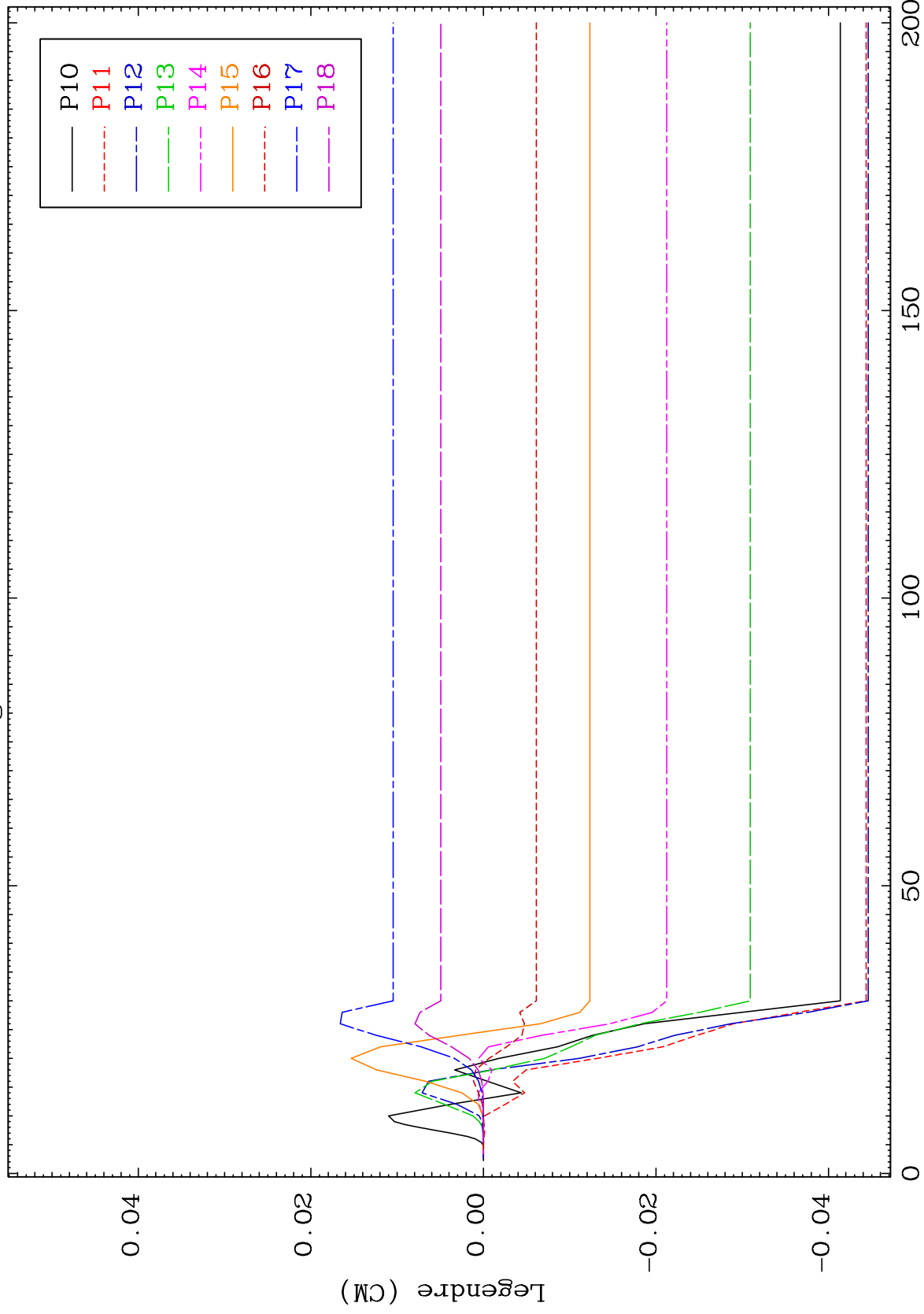




MAT 6410

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

64-Gd-147



84

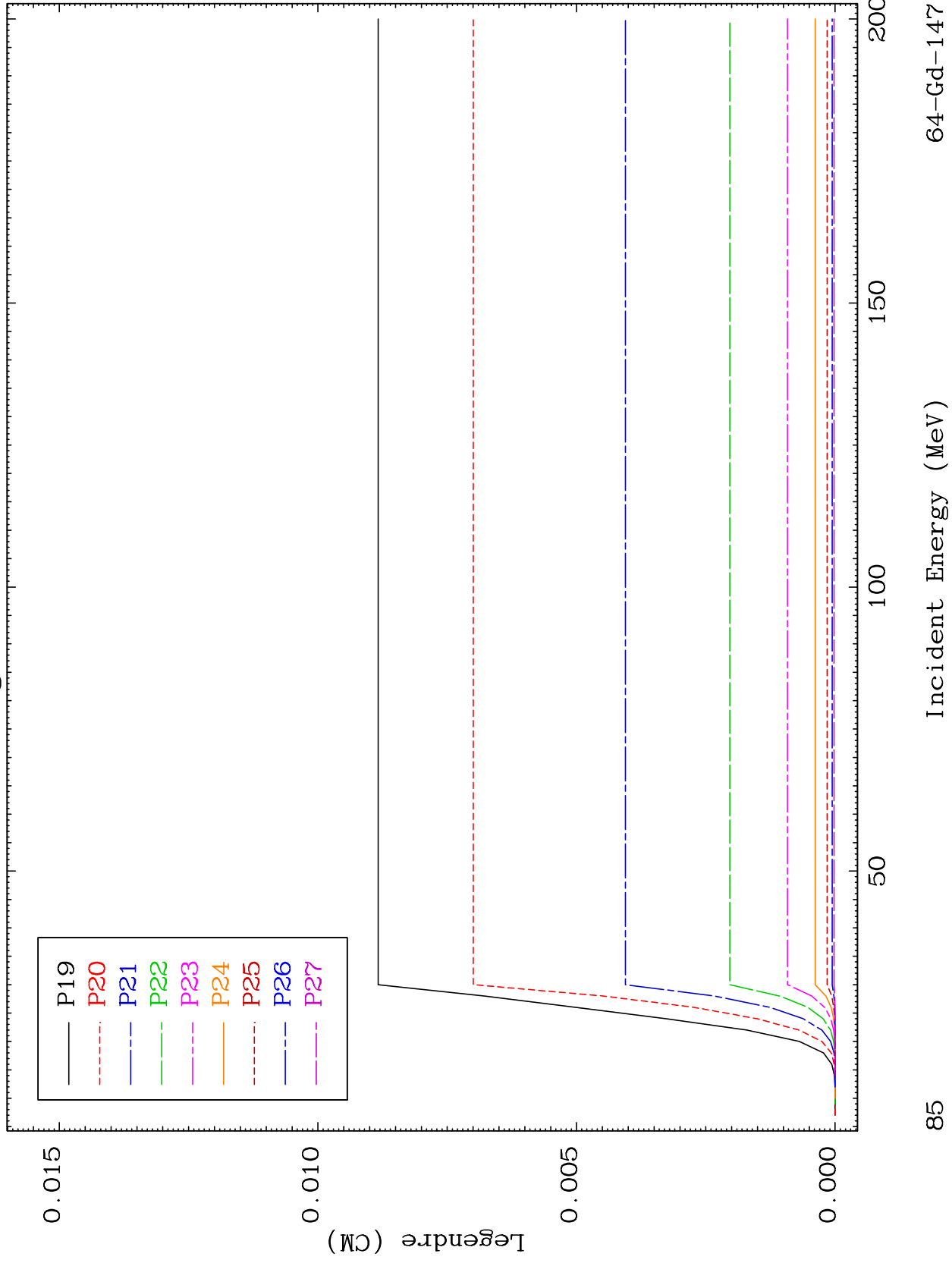
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



85

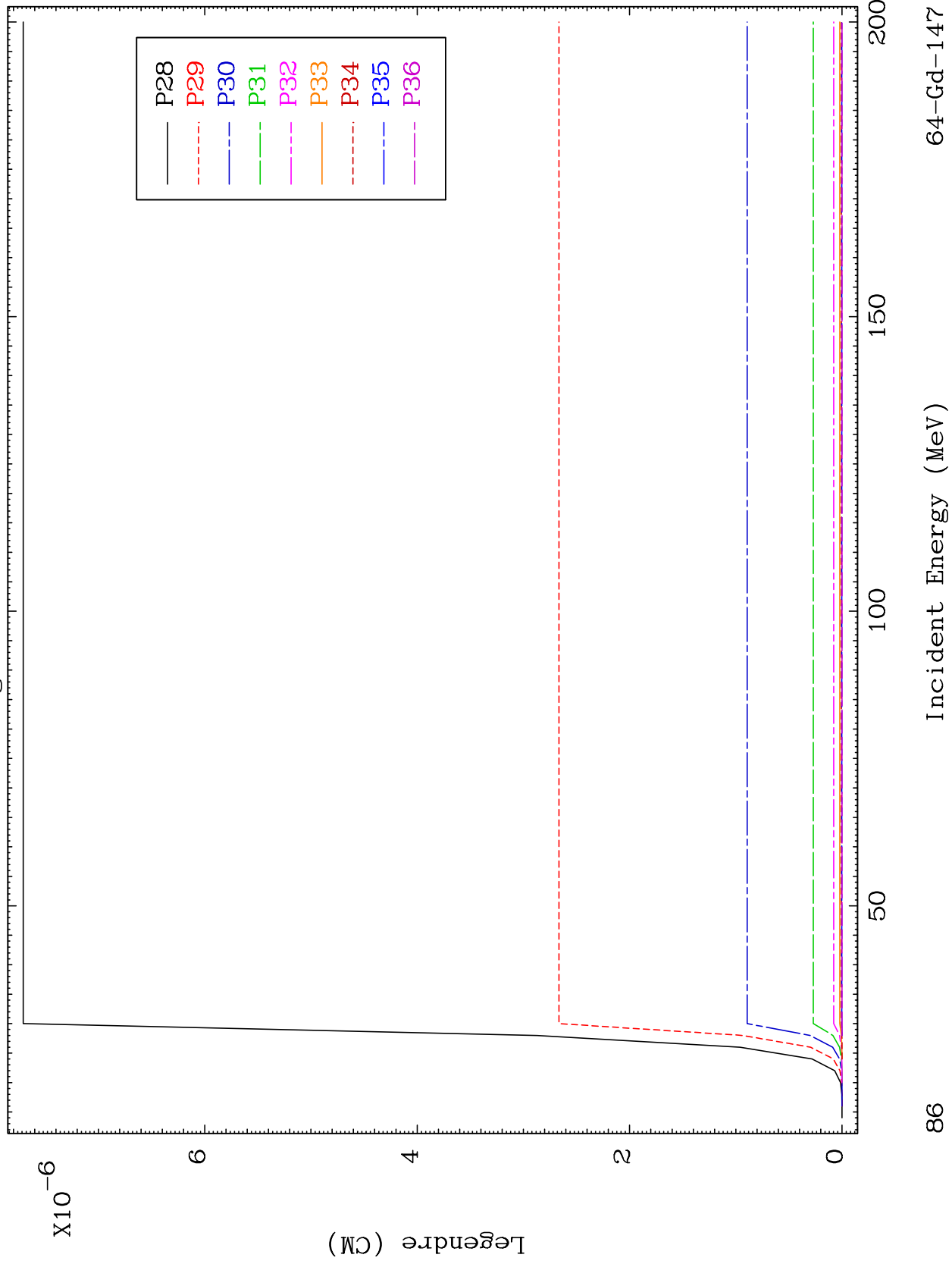
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

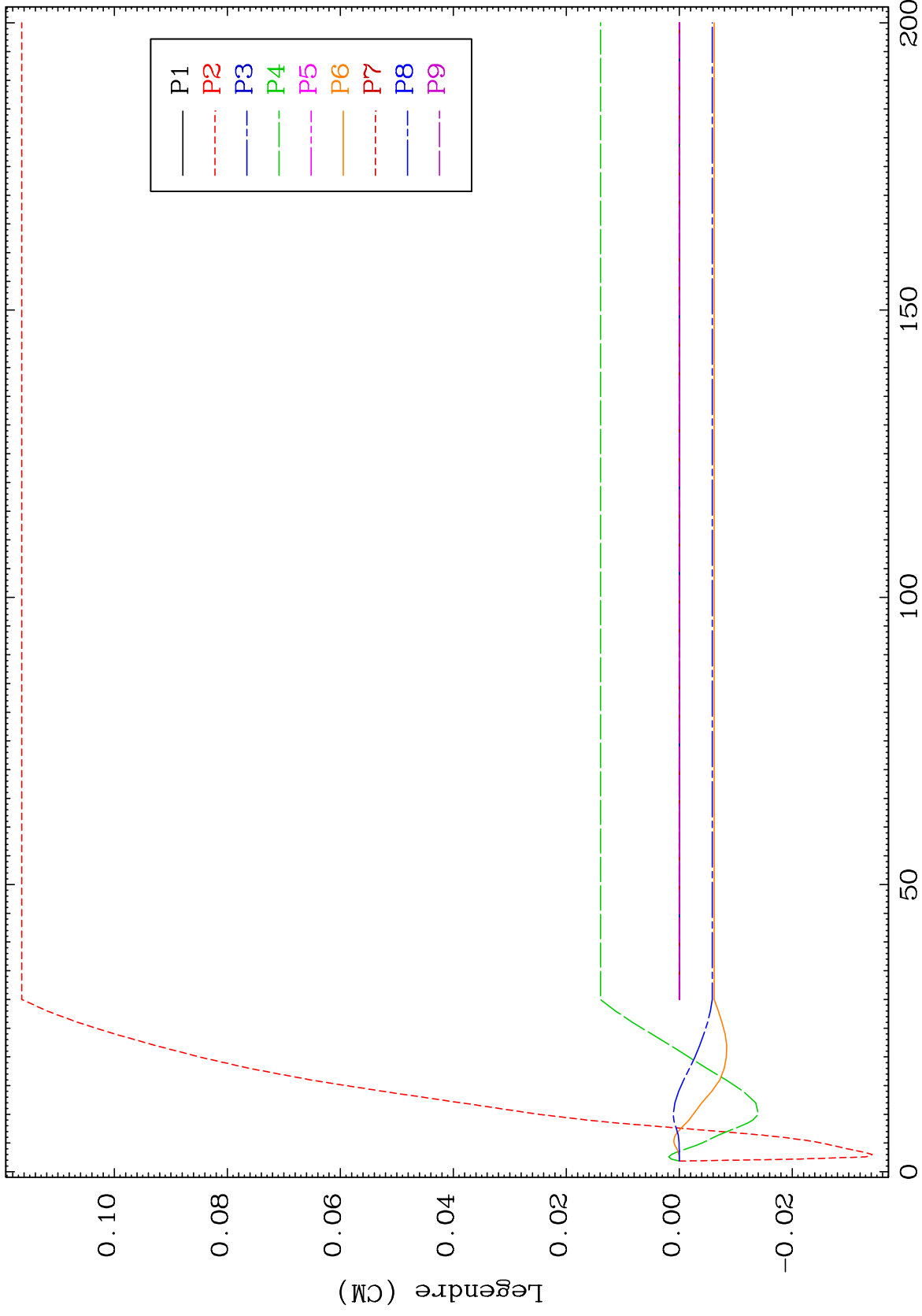
64-Gd-147



MAT 6410

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

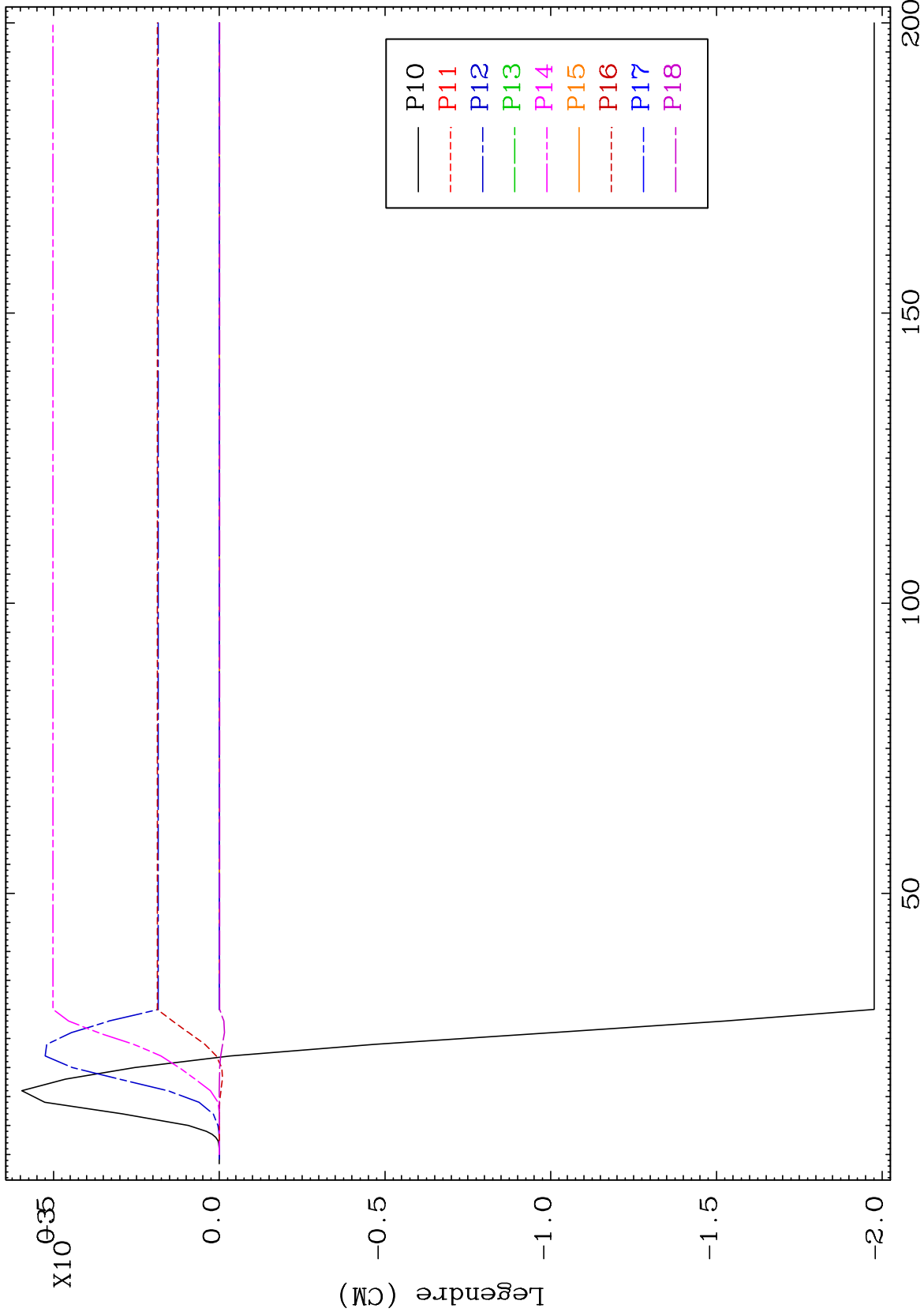
64-Gd-147

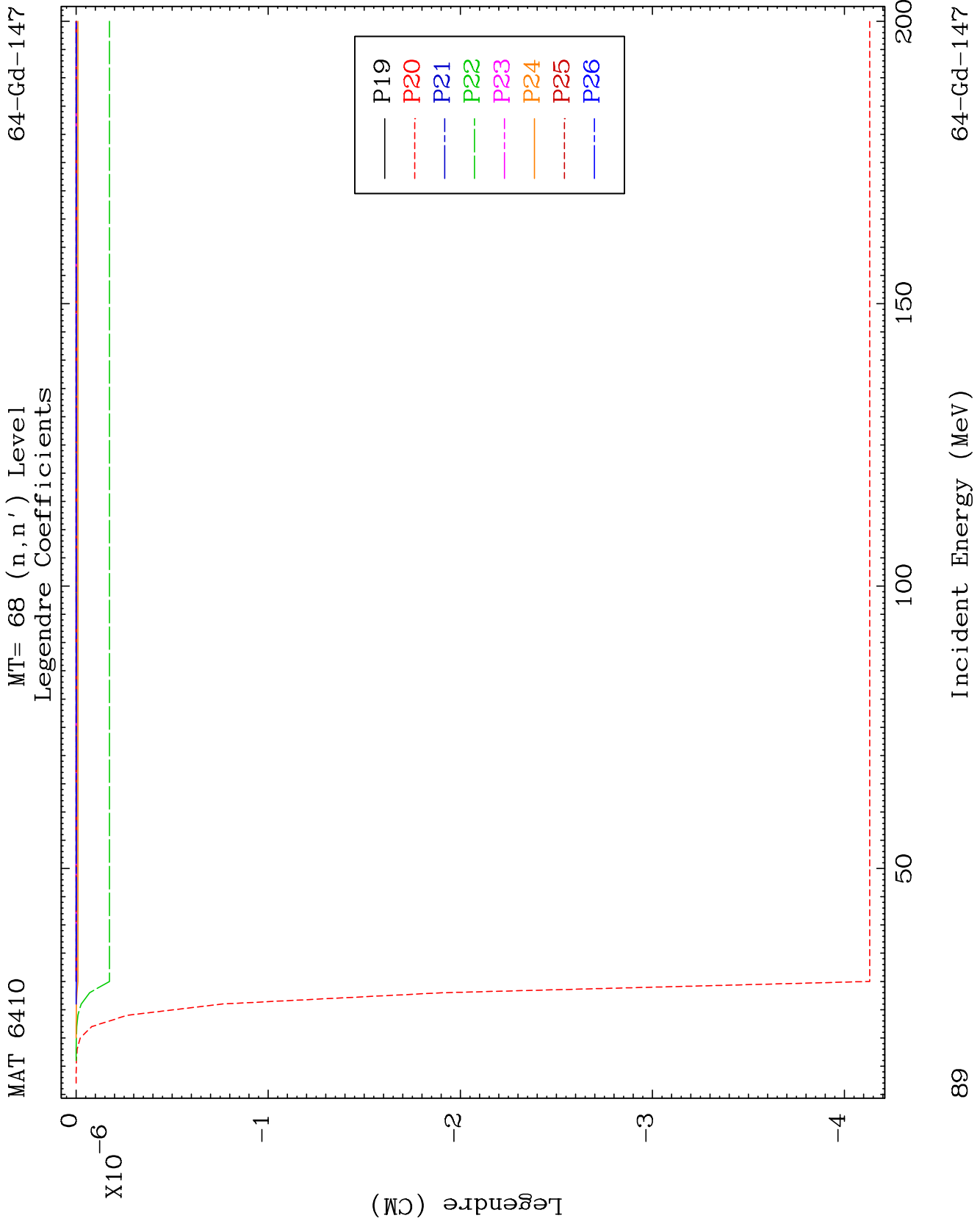


87

Incident Energy (MeV)

64-Gd-147

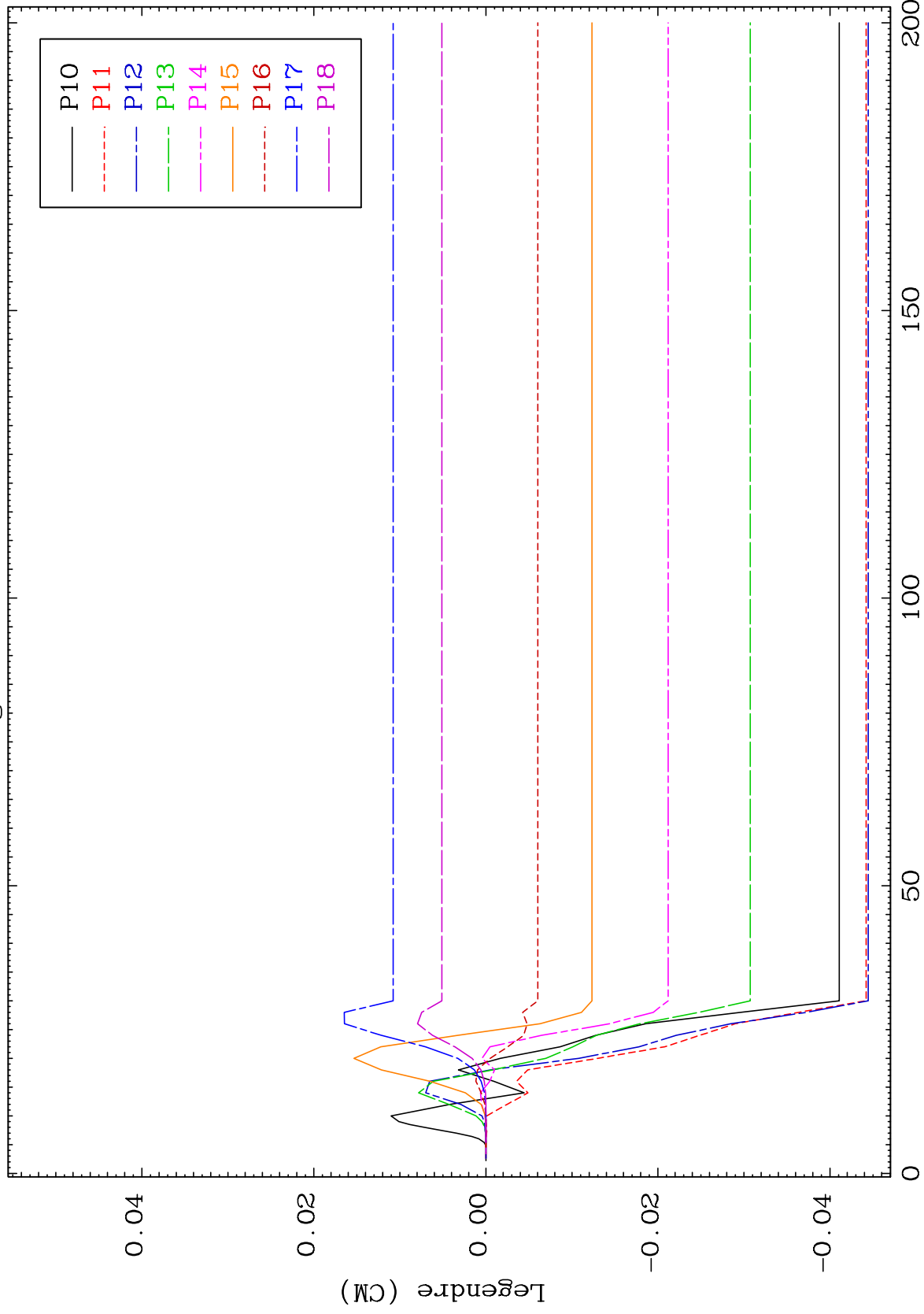




MAT 6410

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

64-Gd-147



91

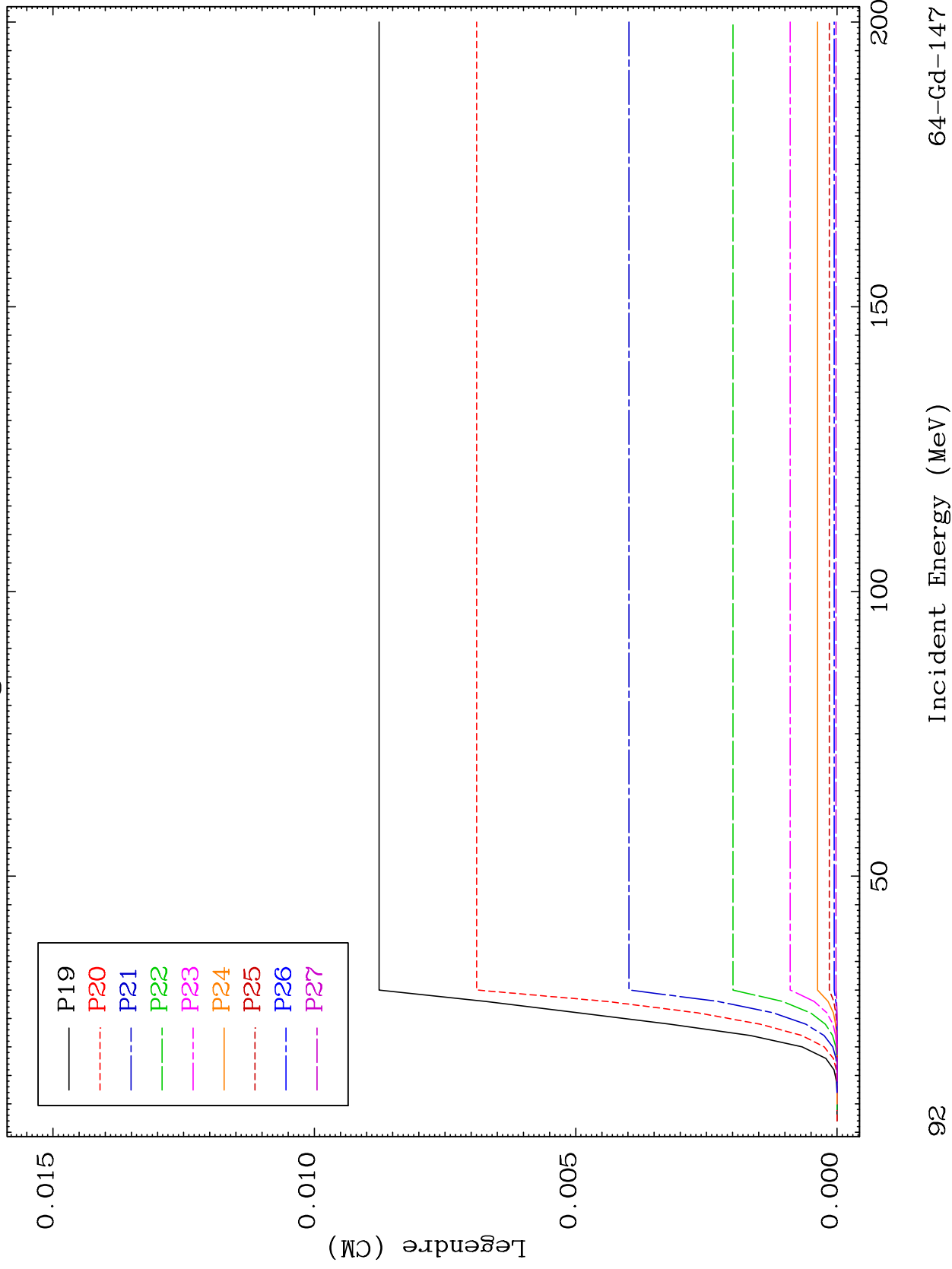
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



92

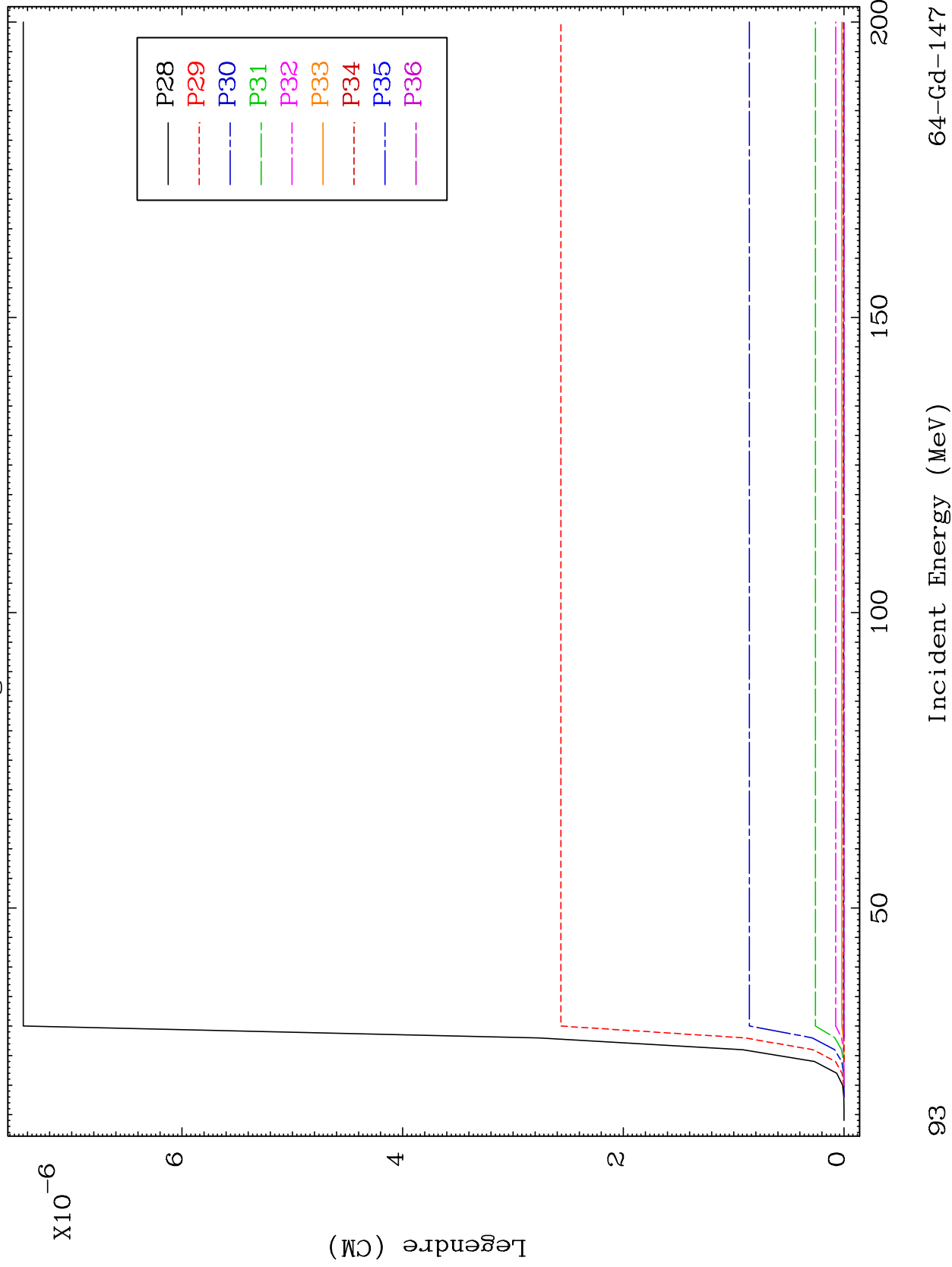
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

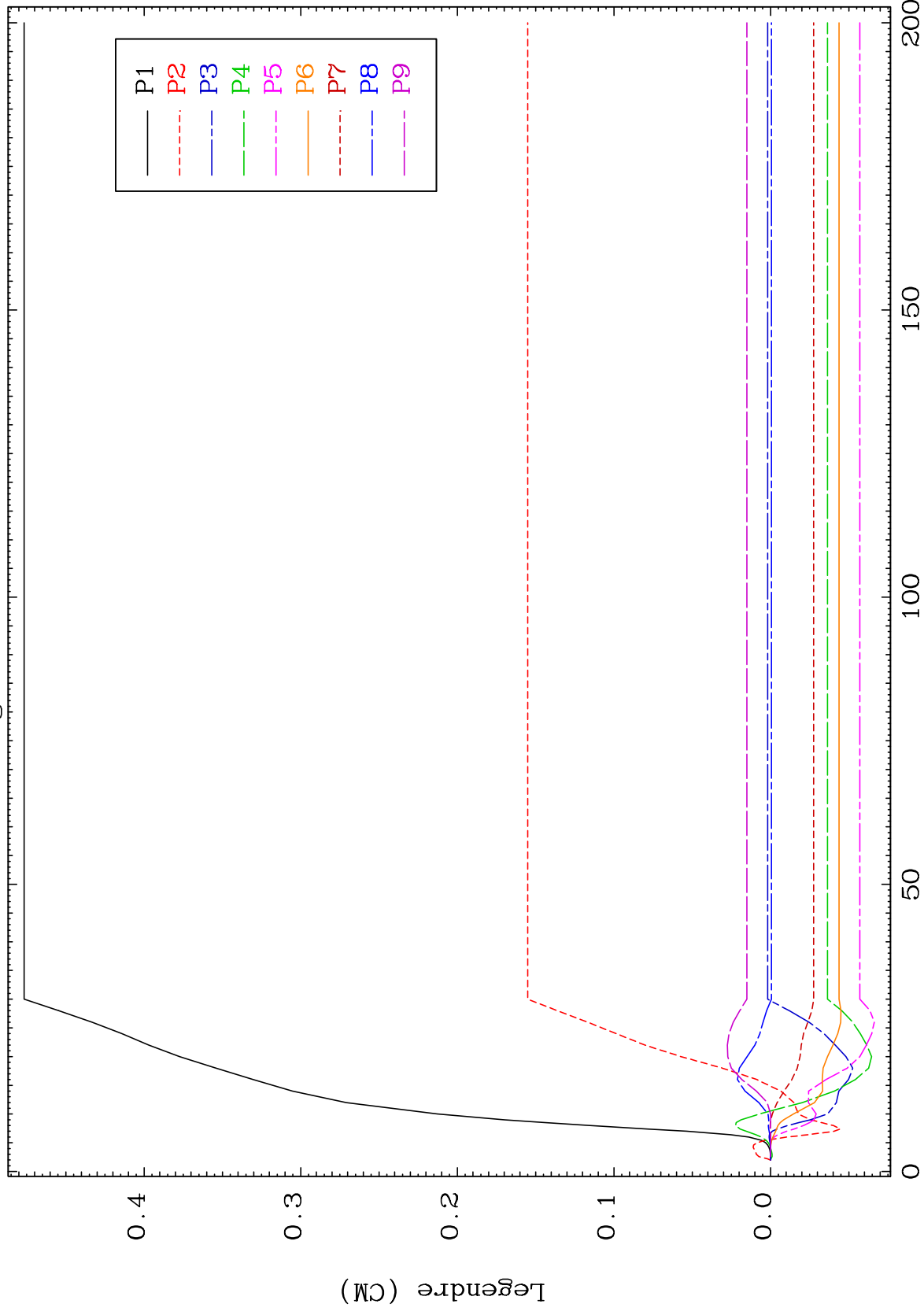
64-Gd-147



MAT 6410

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

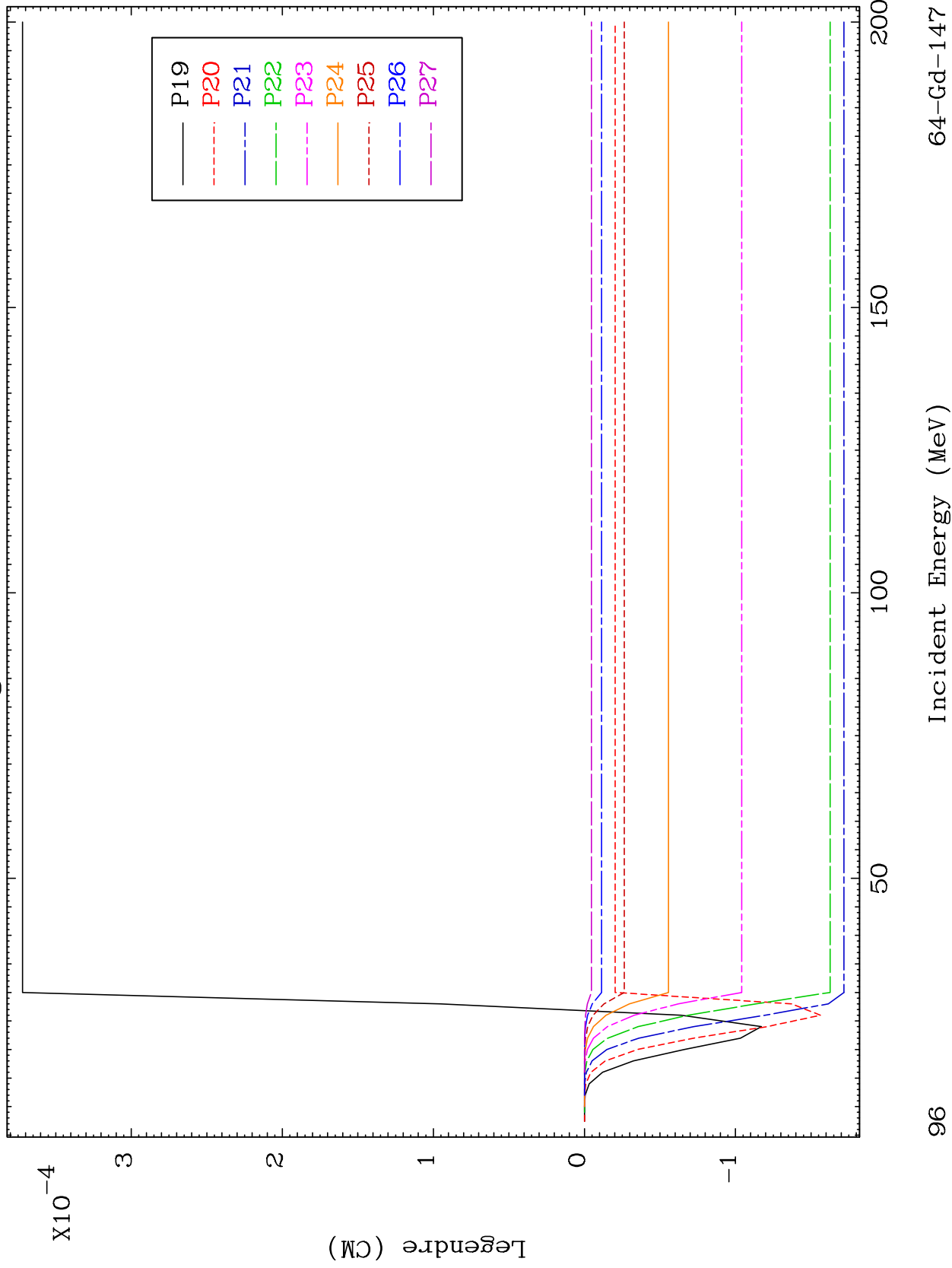
64-Gd-147

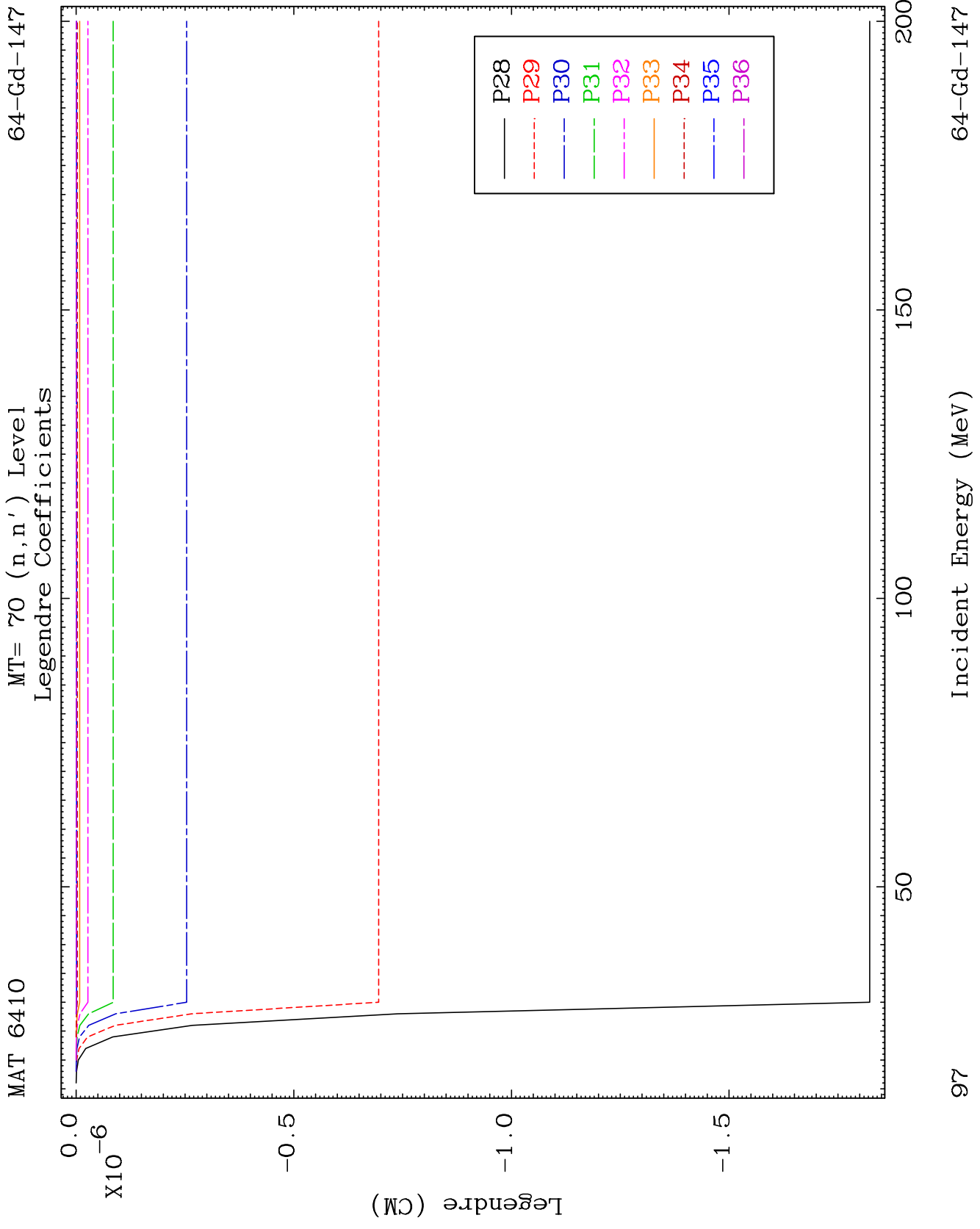


94

Incident Energy (MeV)

64-Gd-147

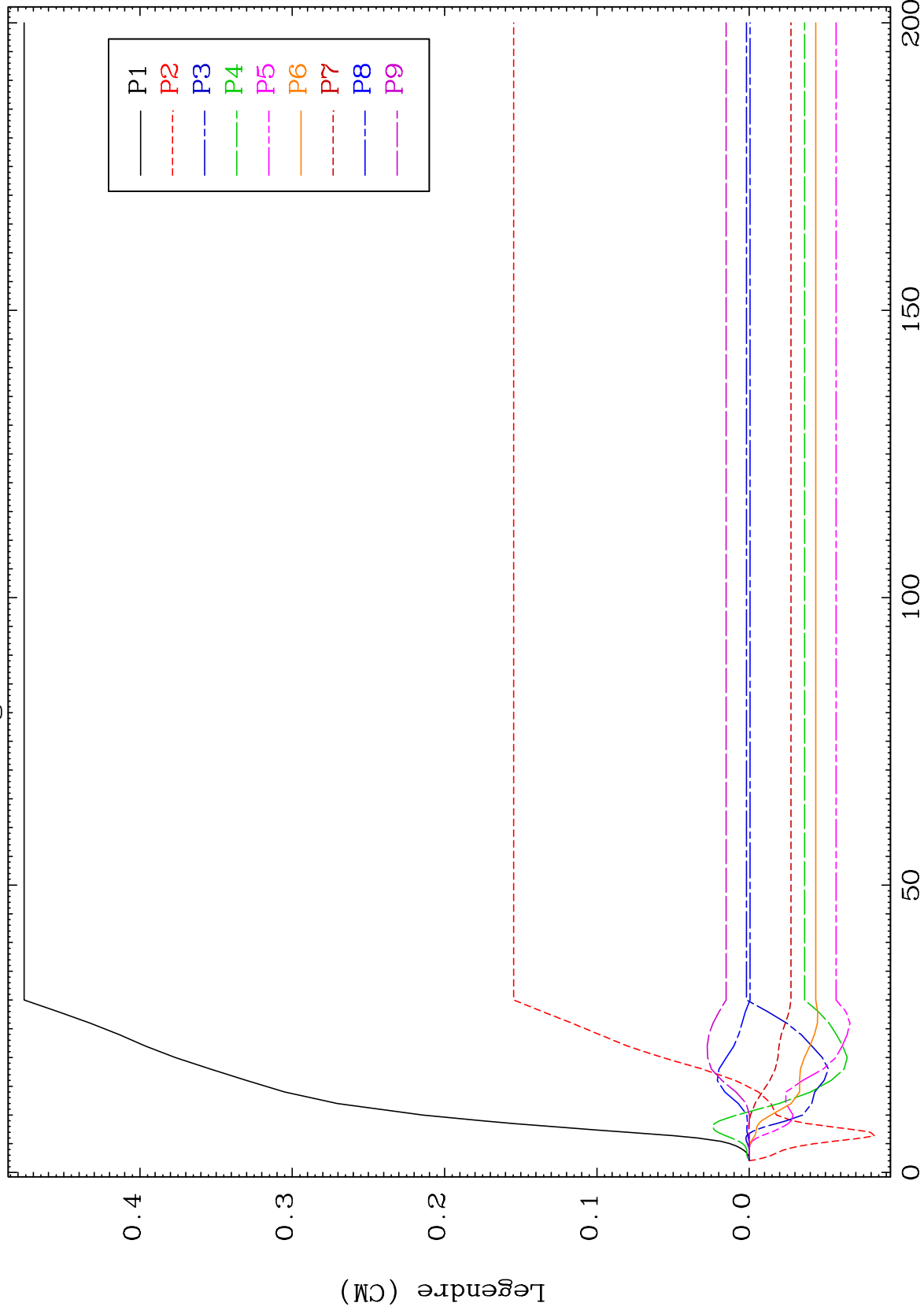




MAT 6410

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

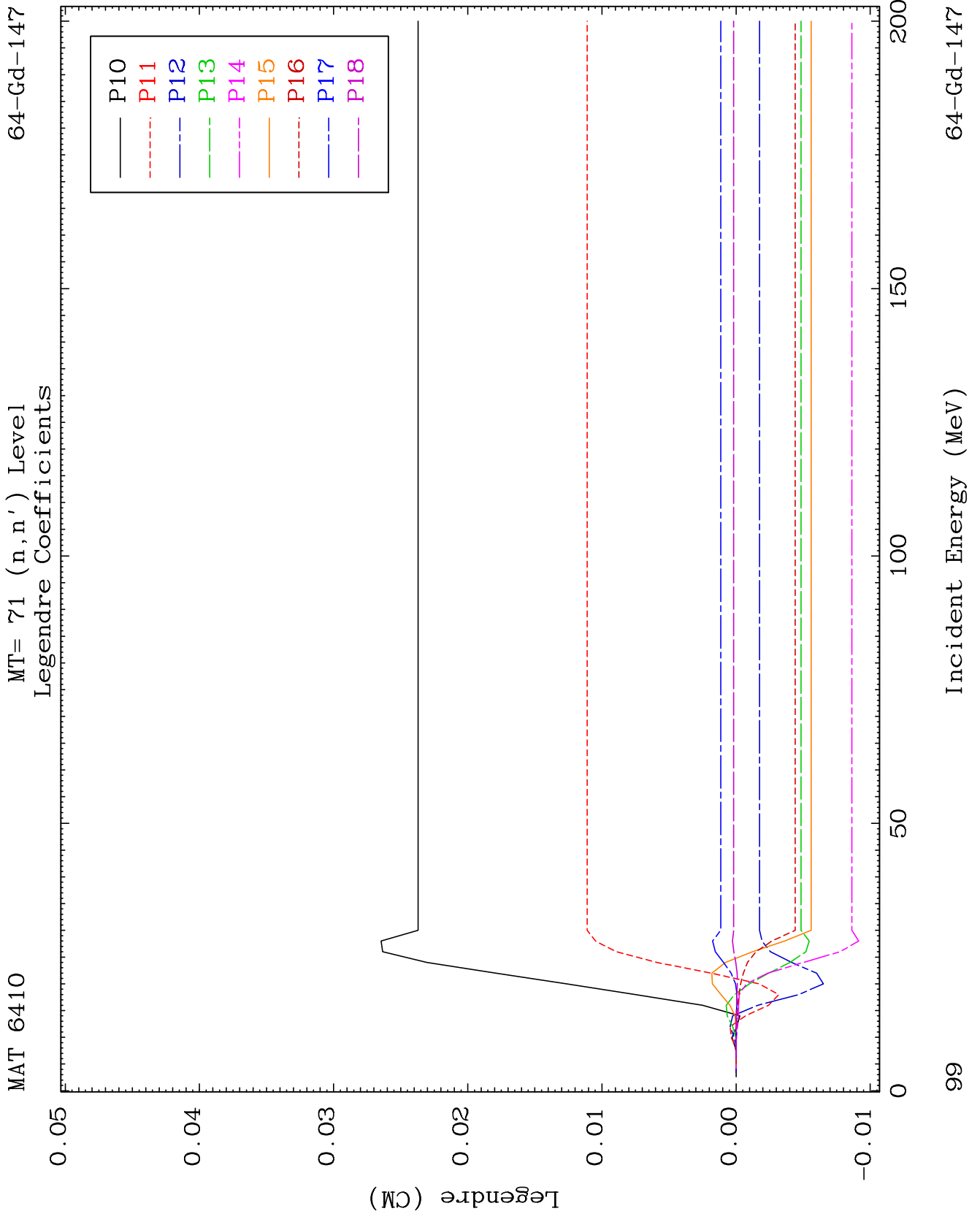
64-Gd-147



98

Incident Energy (MeV)

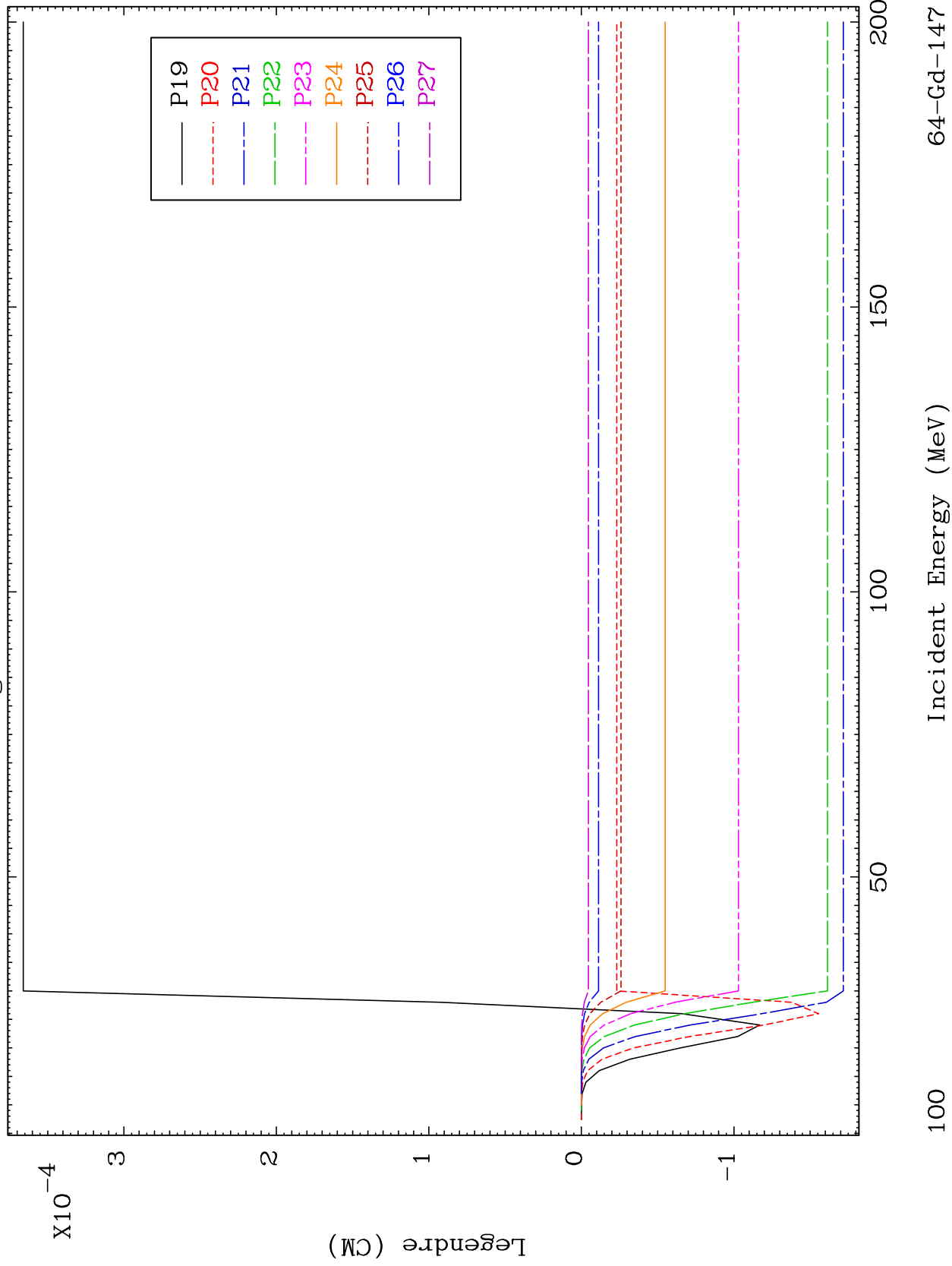
64-Gd-147

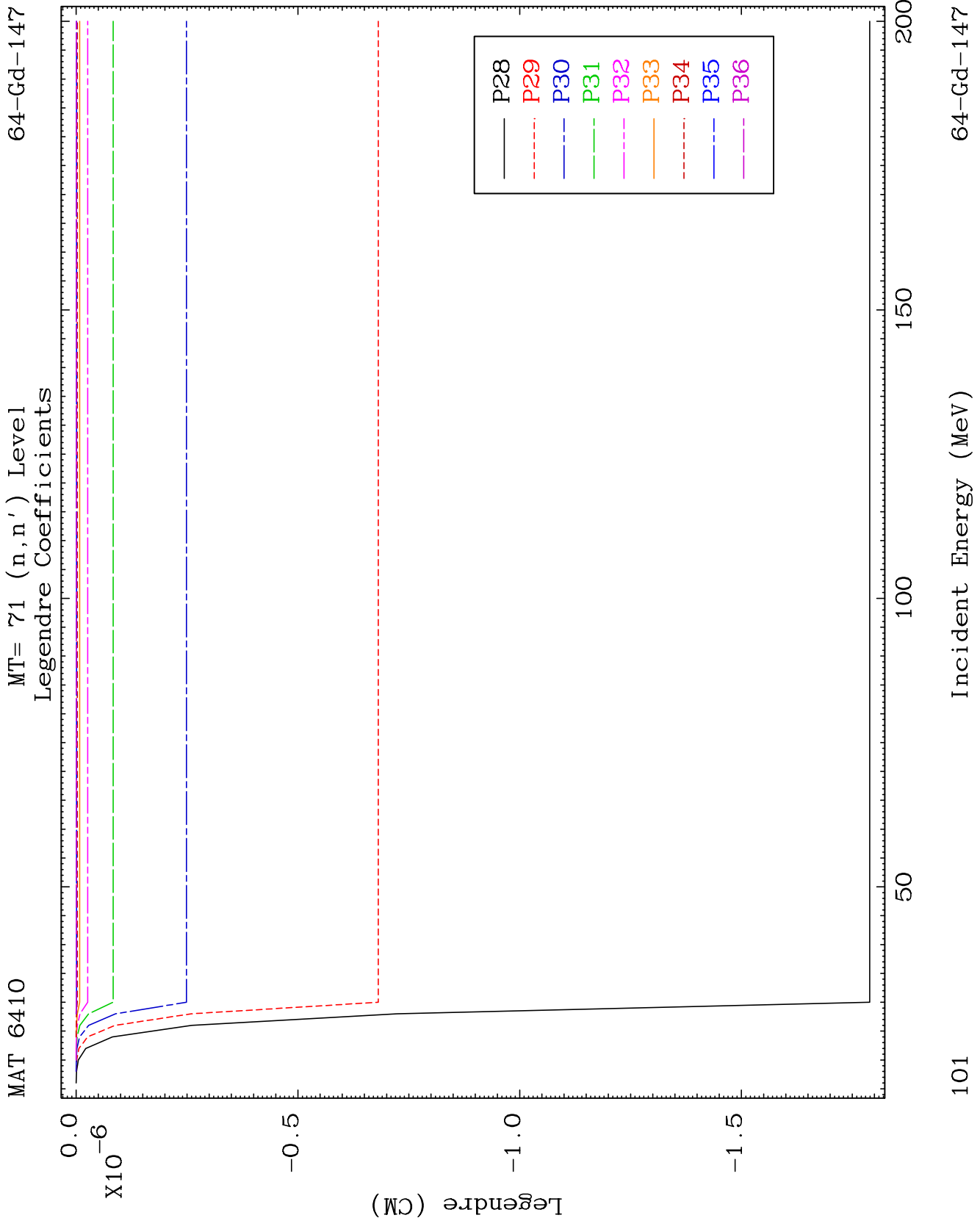


MAT 6410

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

64-Gd-147

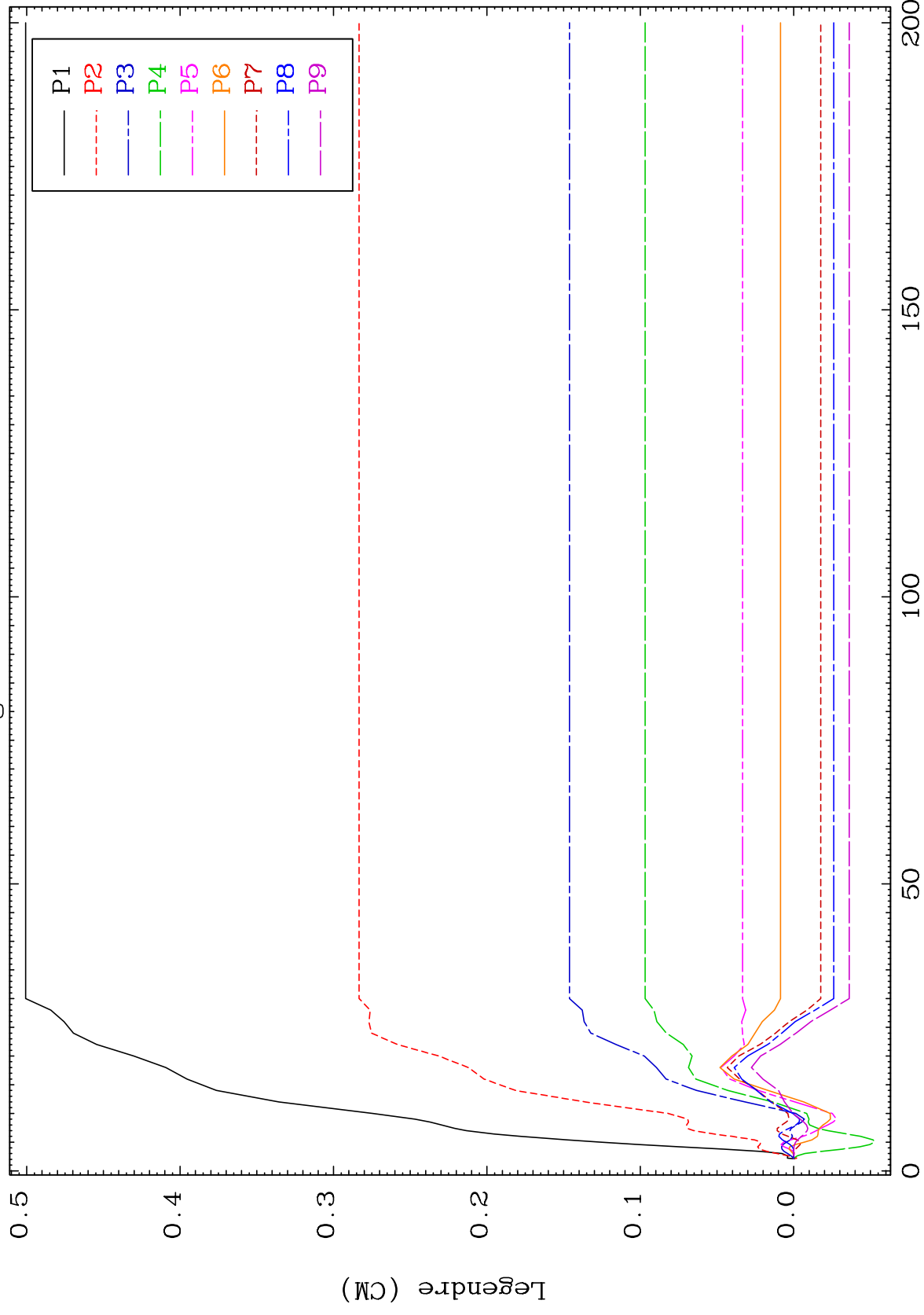




MAT 6410

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

64-Gd-147



64-Gd-147

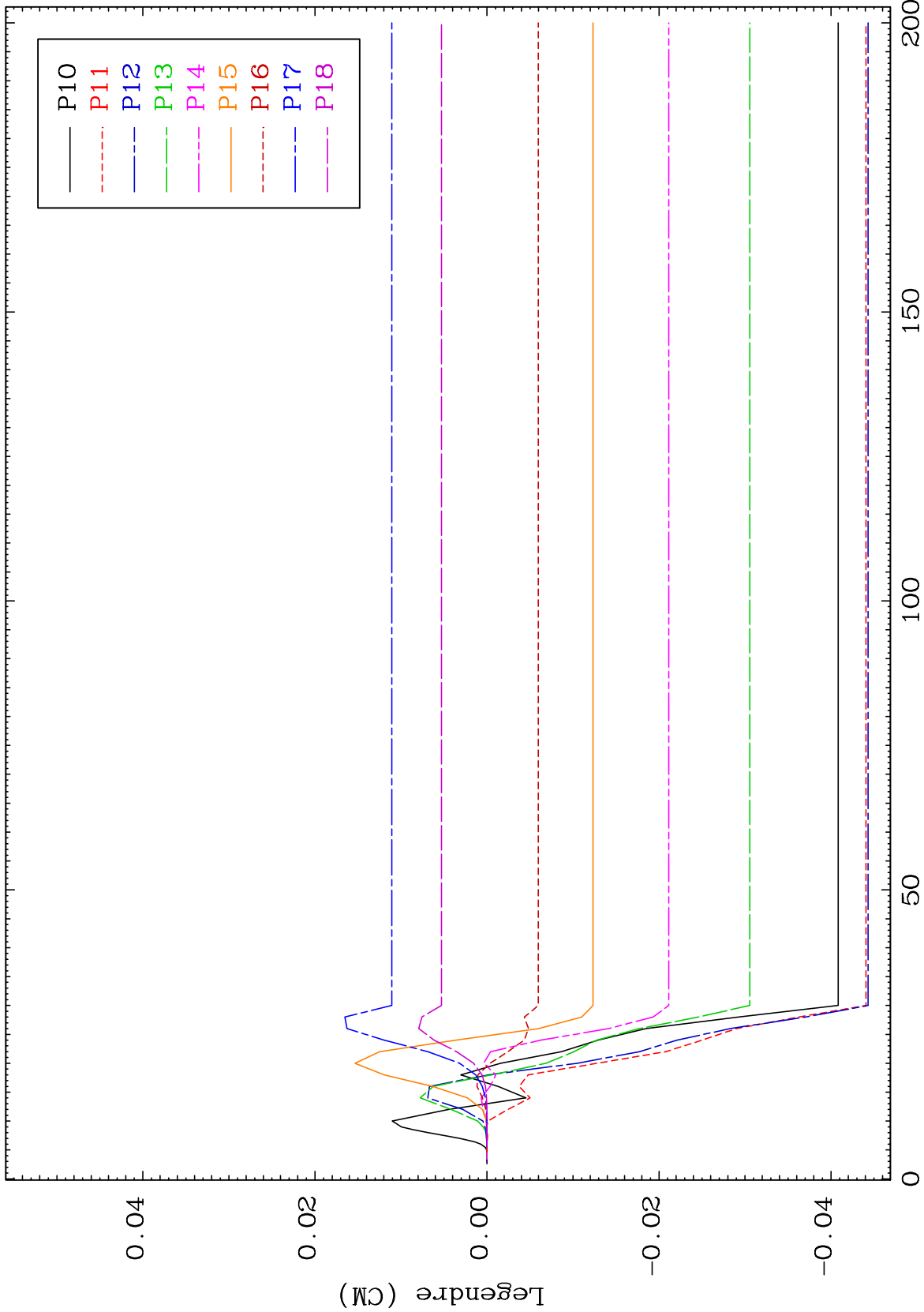
Incident Energy (MeV)

102

MAT 6410

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

64-Gd-147



103

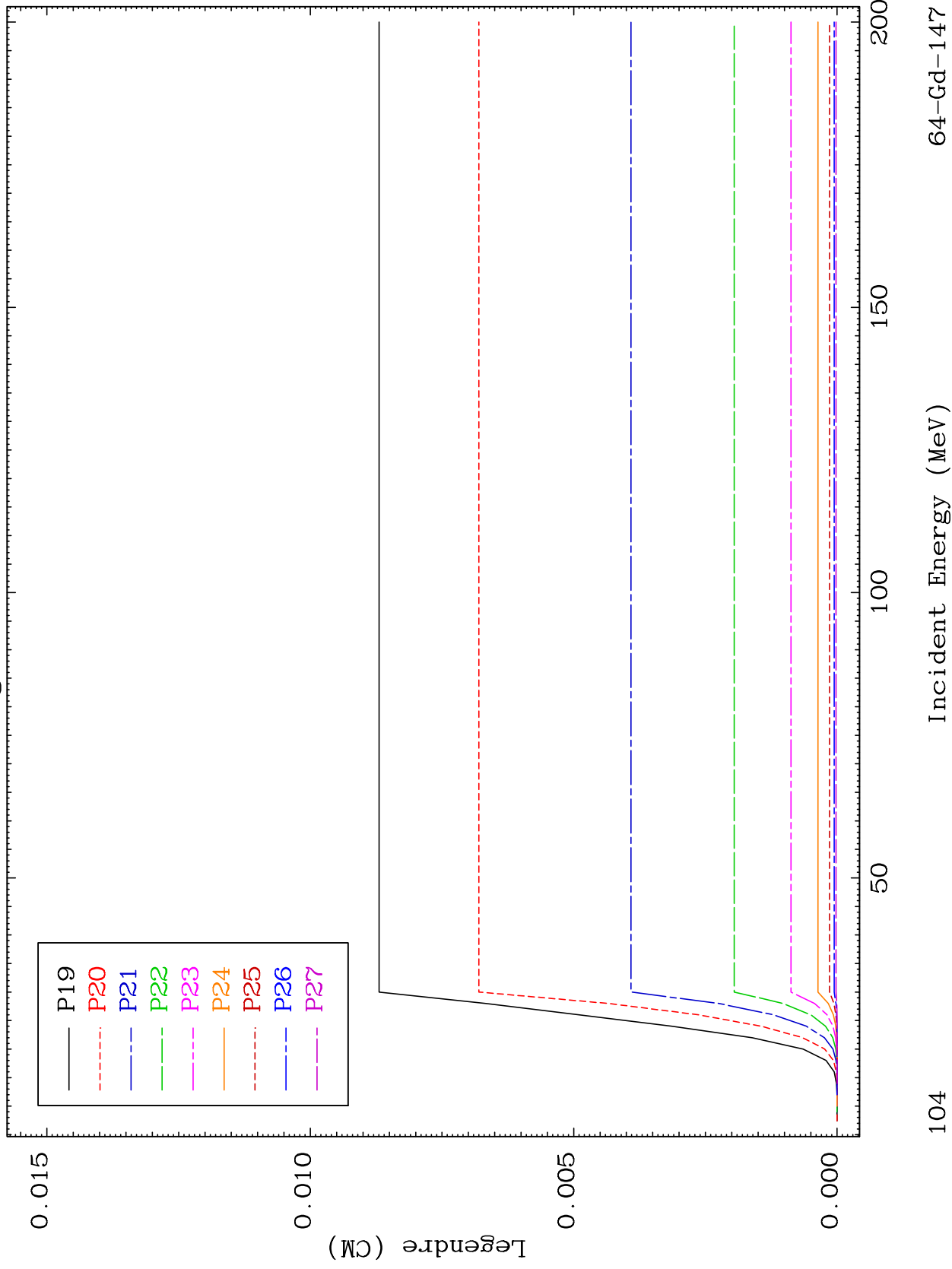
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



104

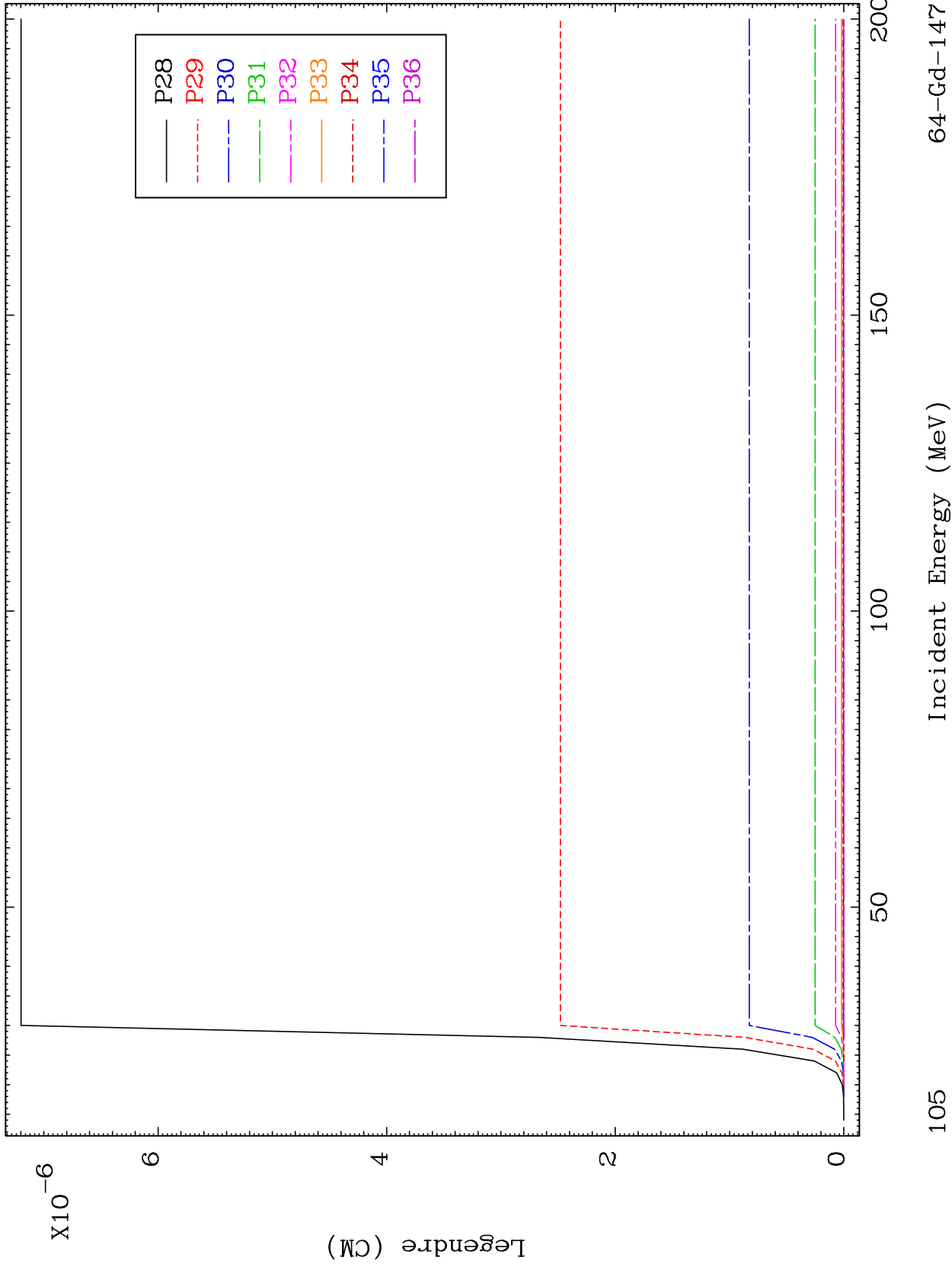
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

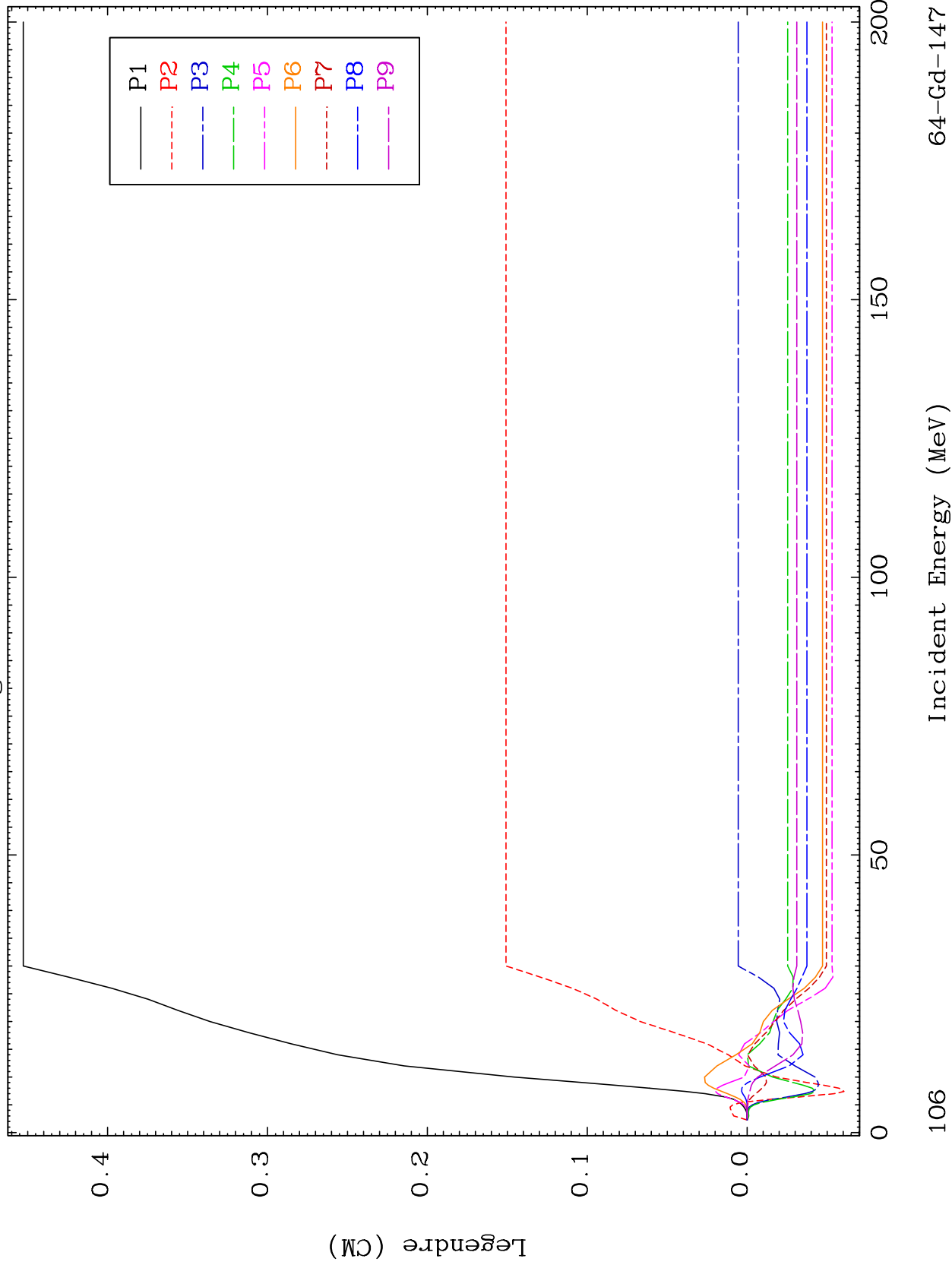
64-Gd-147



MAT 6410

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

64-Gd-147



64-Gd-147

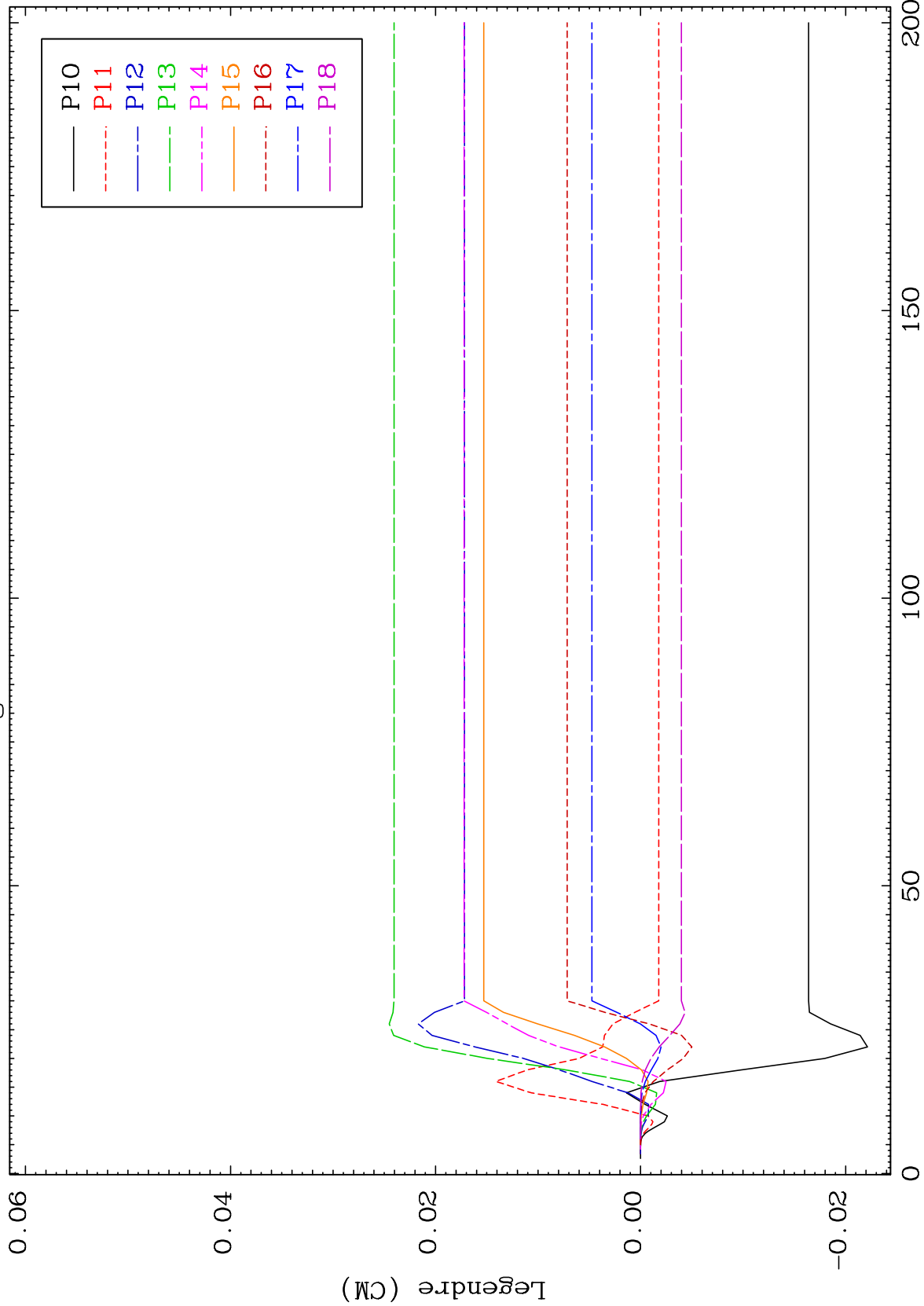
Incident Energy (MeV)

106

MAT 6410

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

64-Gd-147



107

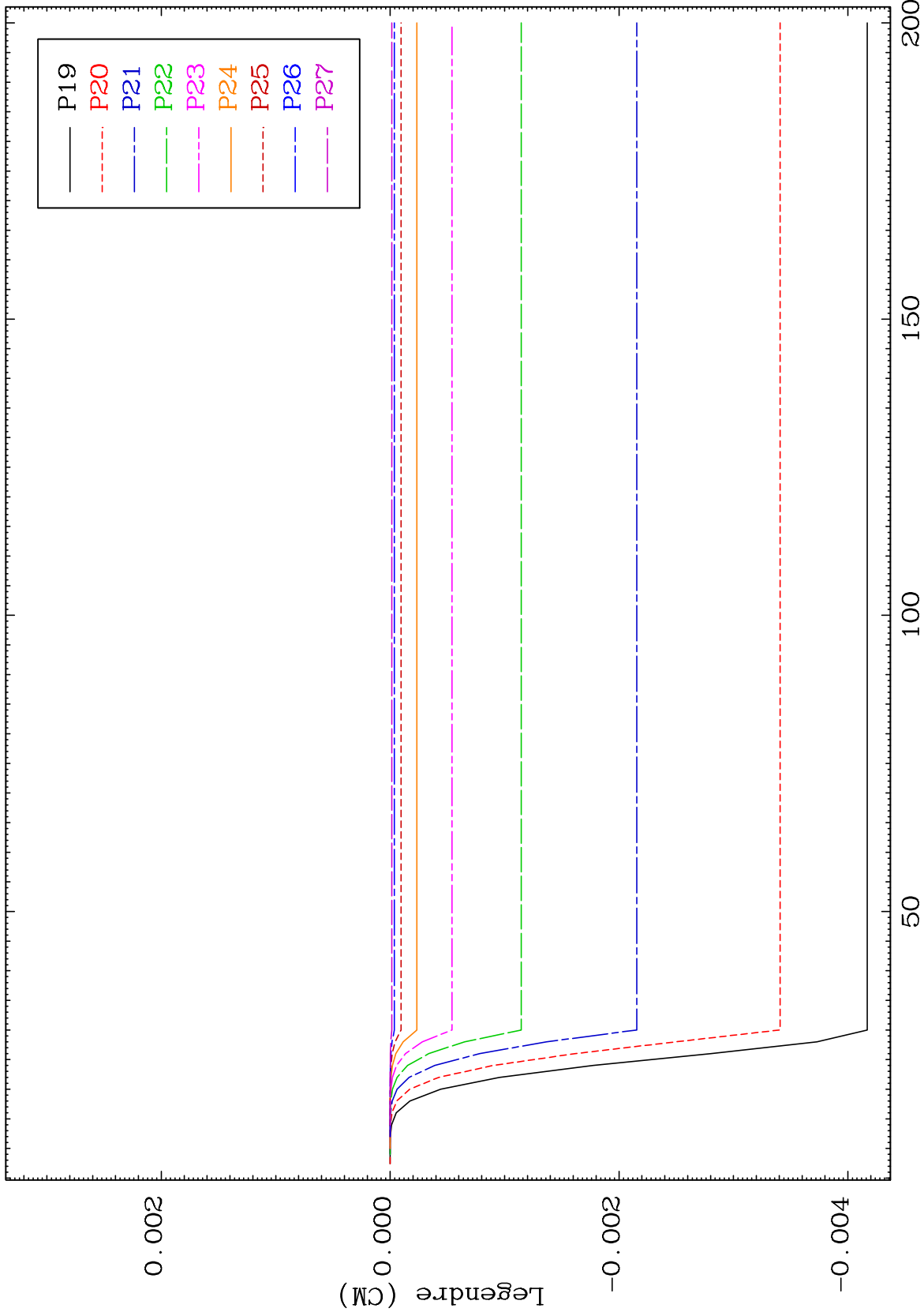
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

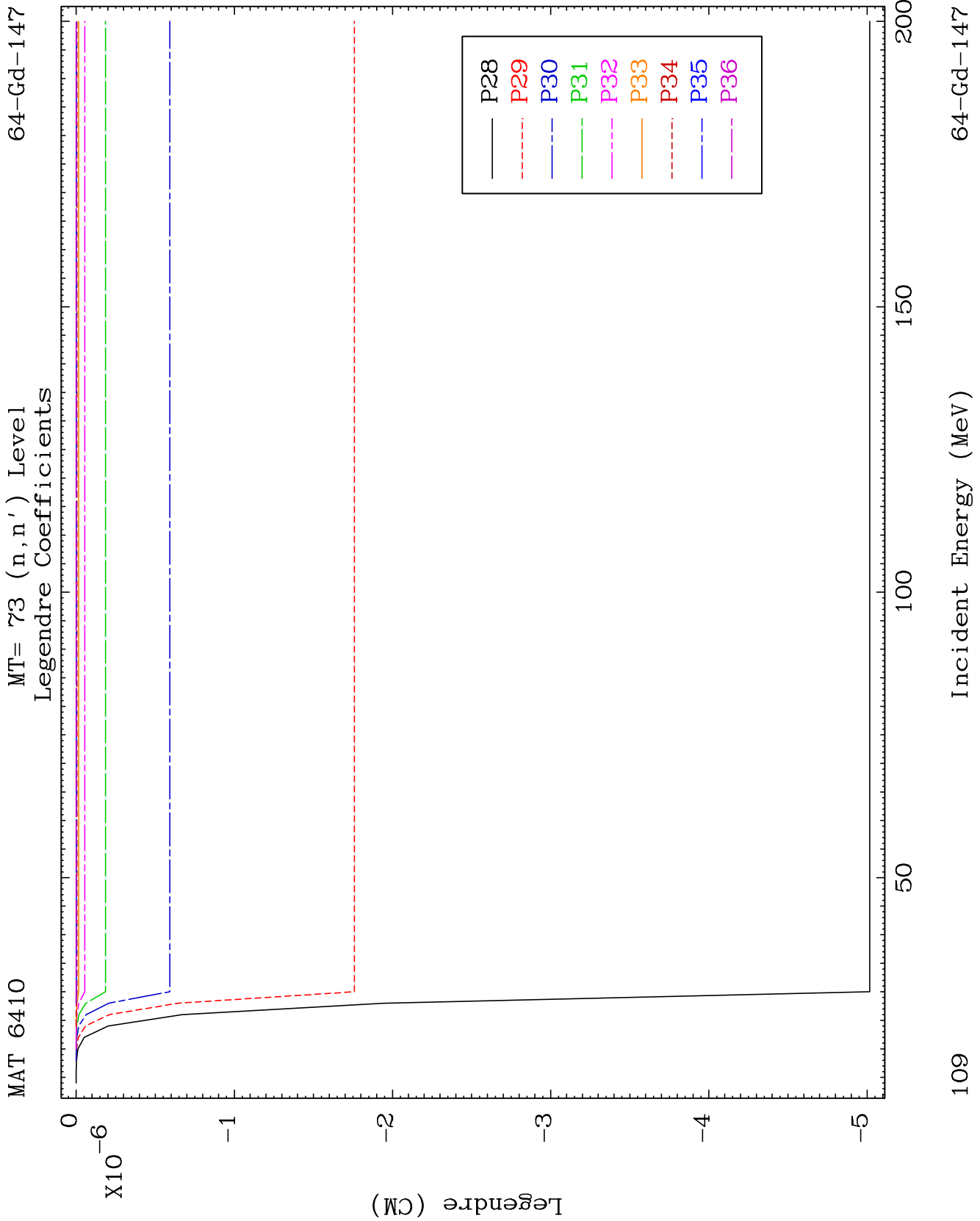
64-Gd-147



108

Incident Energy (MeV)

64-Gd-147

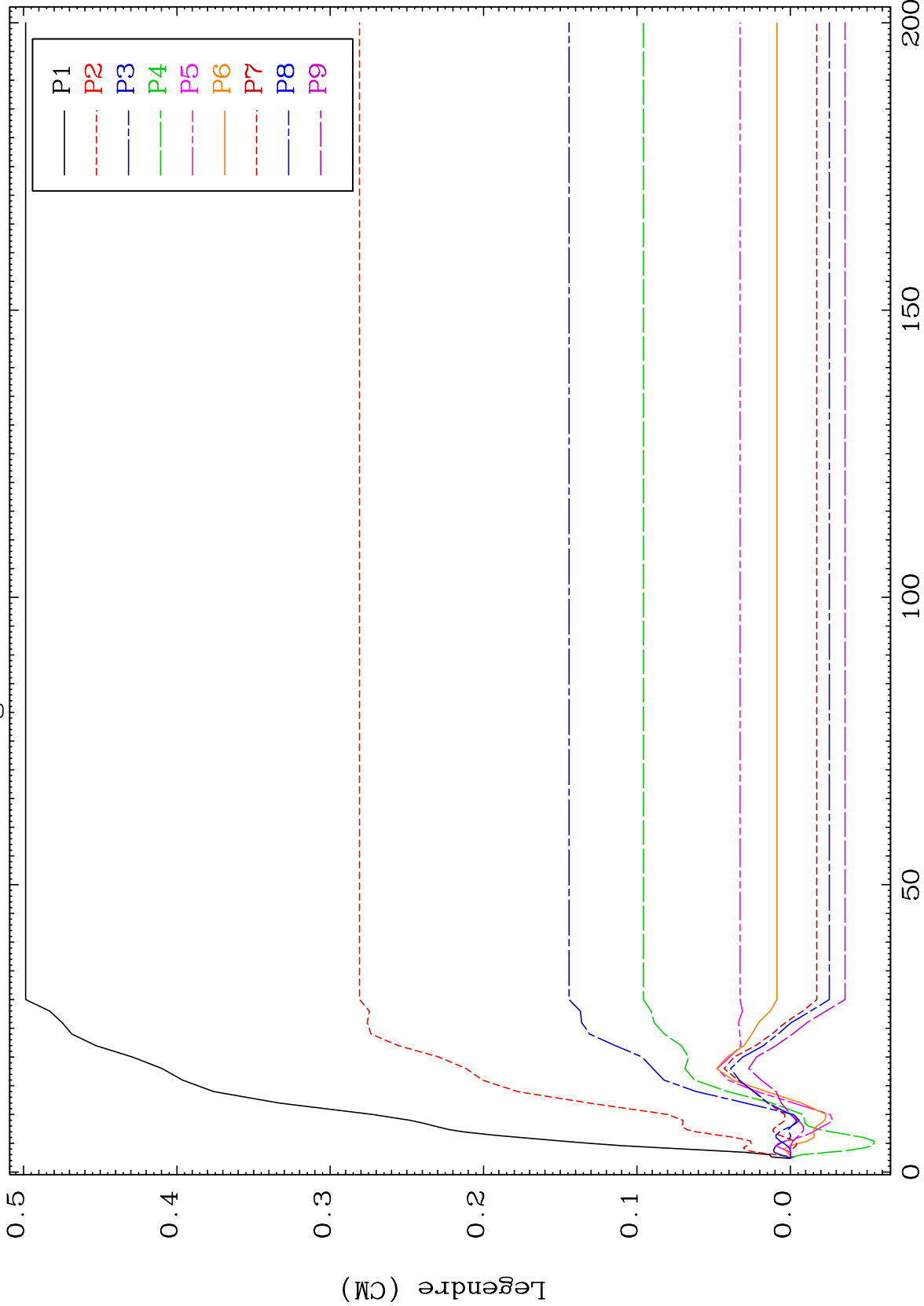


MAT 6410

MT= 74 (n,n') Level

64-Gd-147

Legendre Coefficients



110

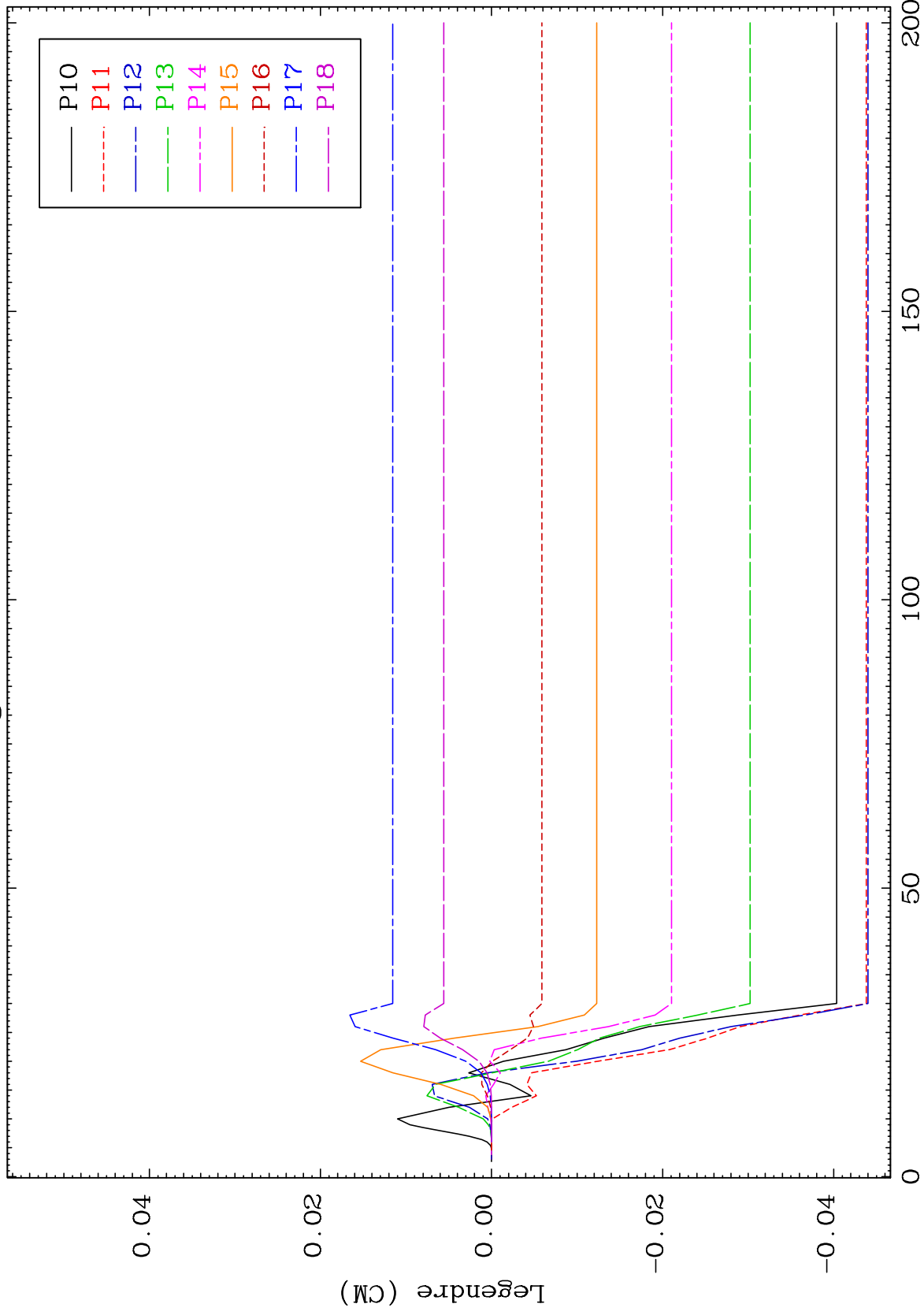
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



111

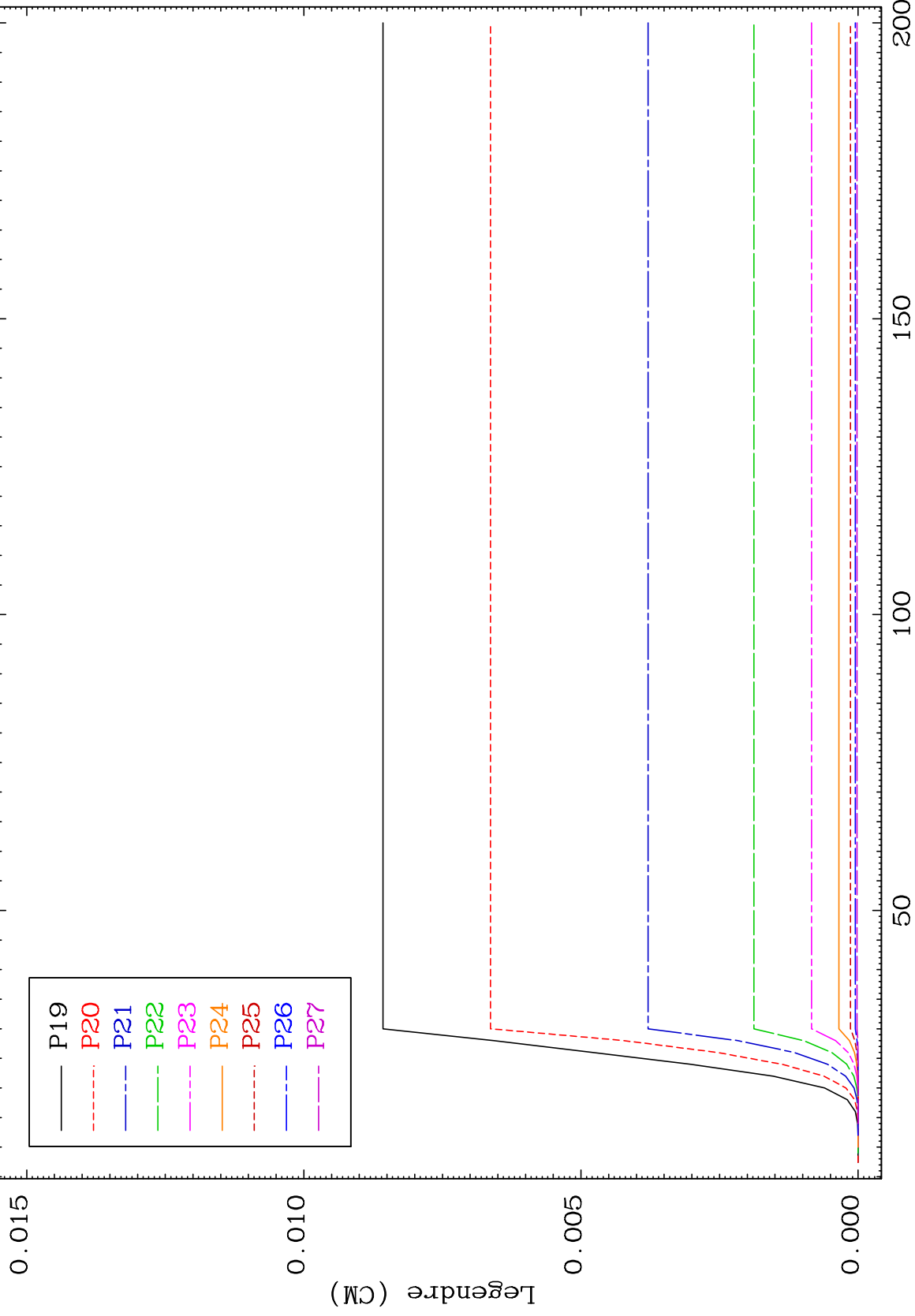
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



112

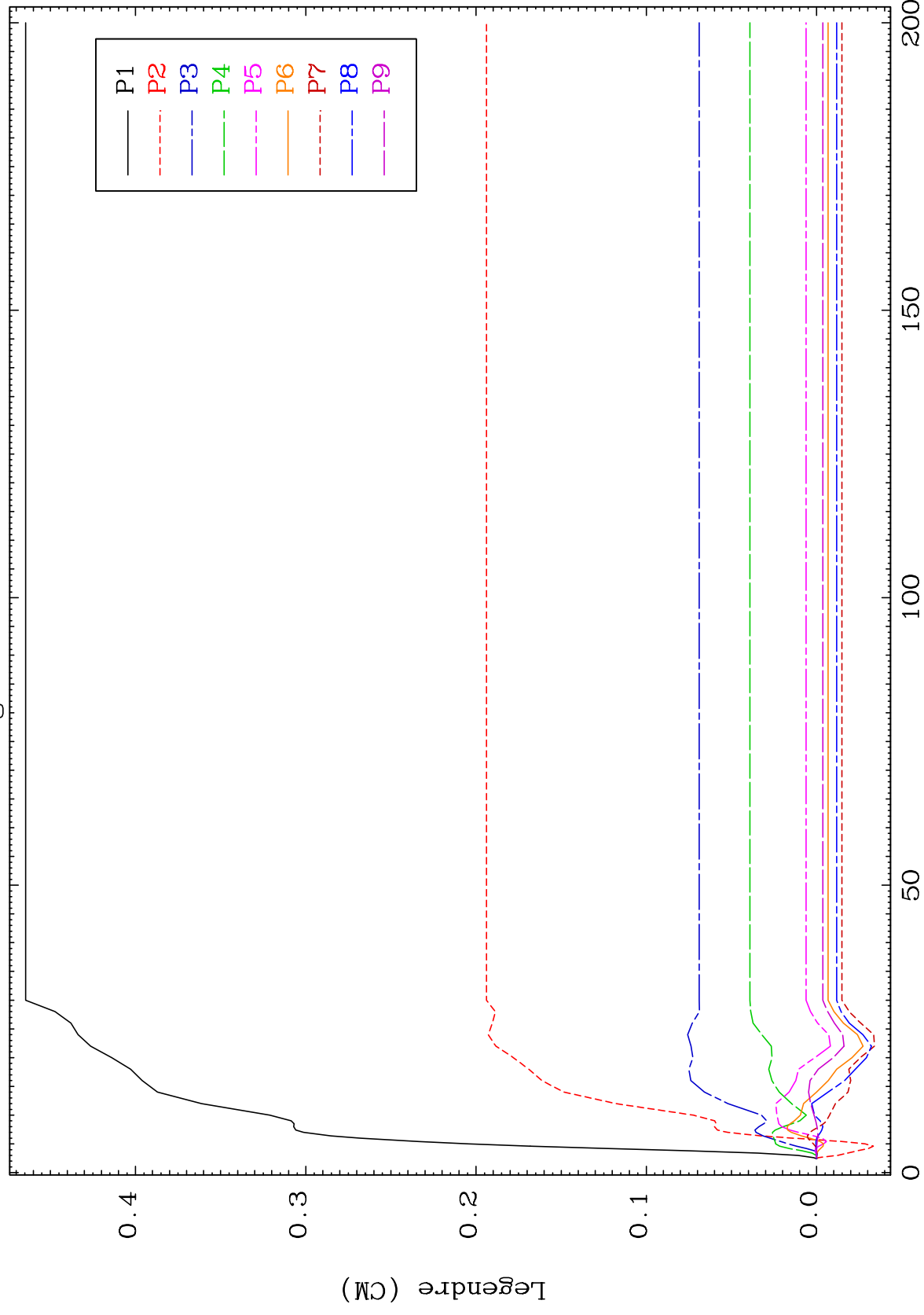
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

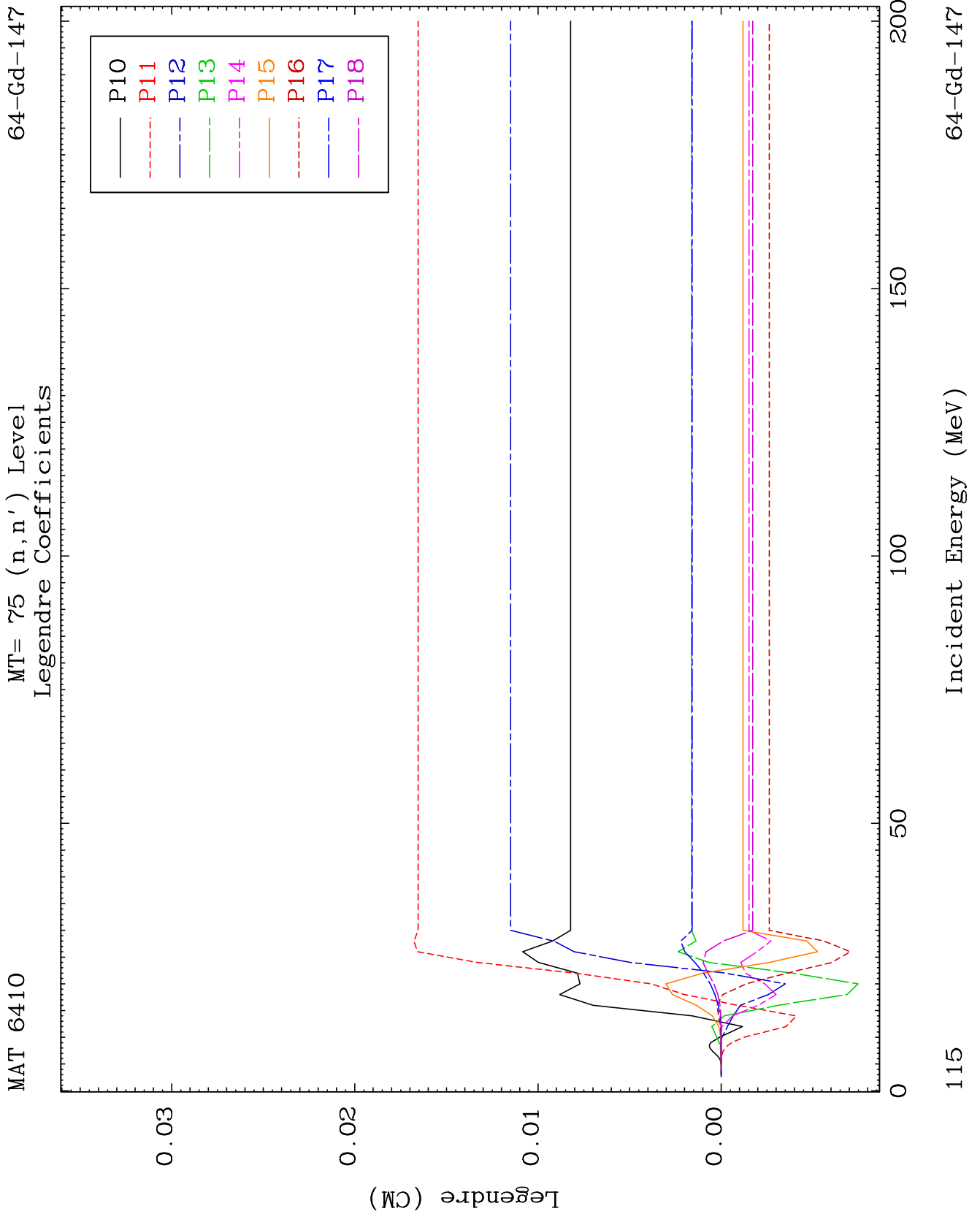
64-Gd-147



114

Incident Energy (MeV)

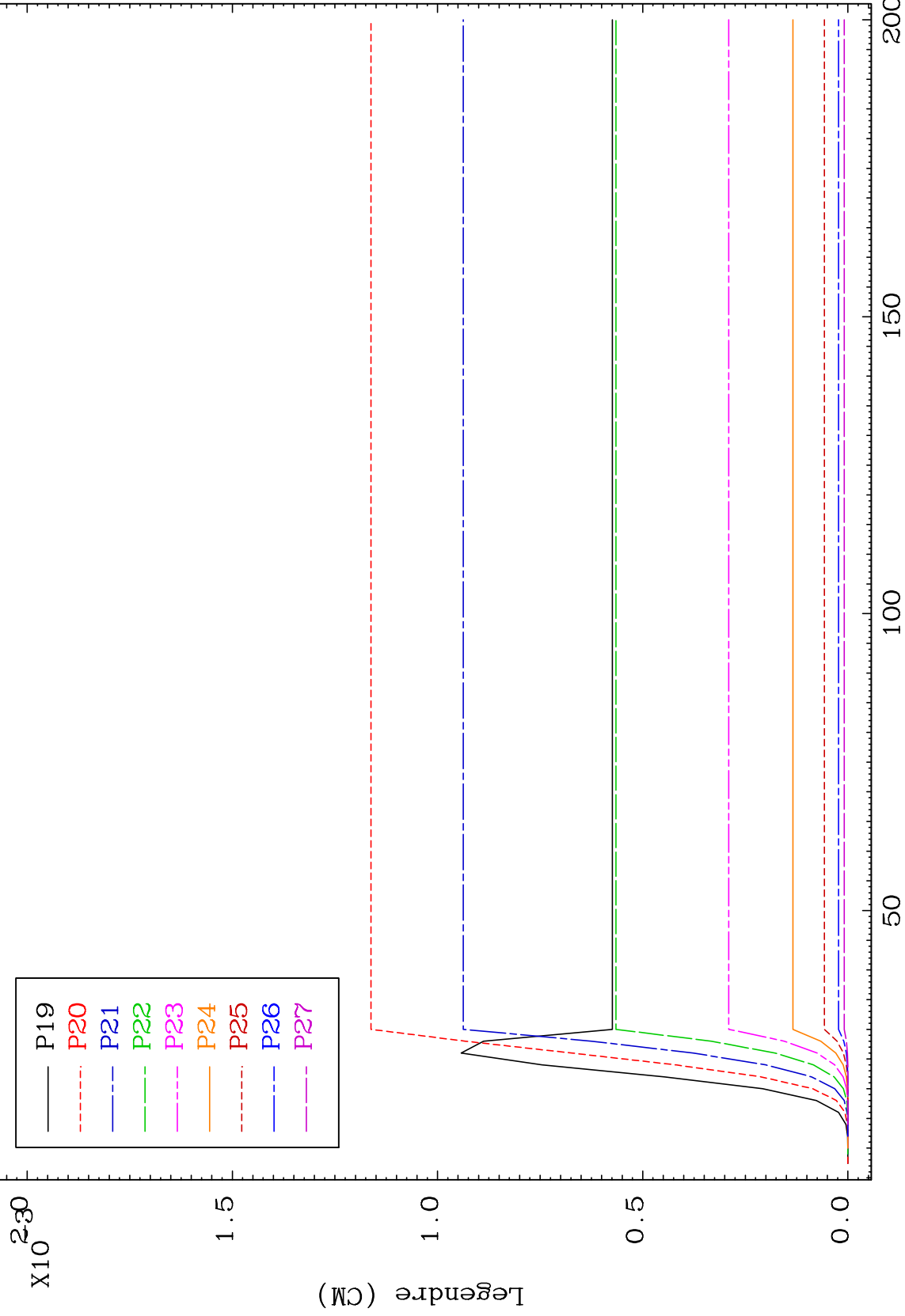
64-Gd-147



MAT 6410

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

64-Gd-147



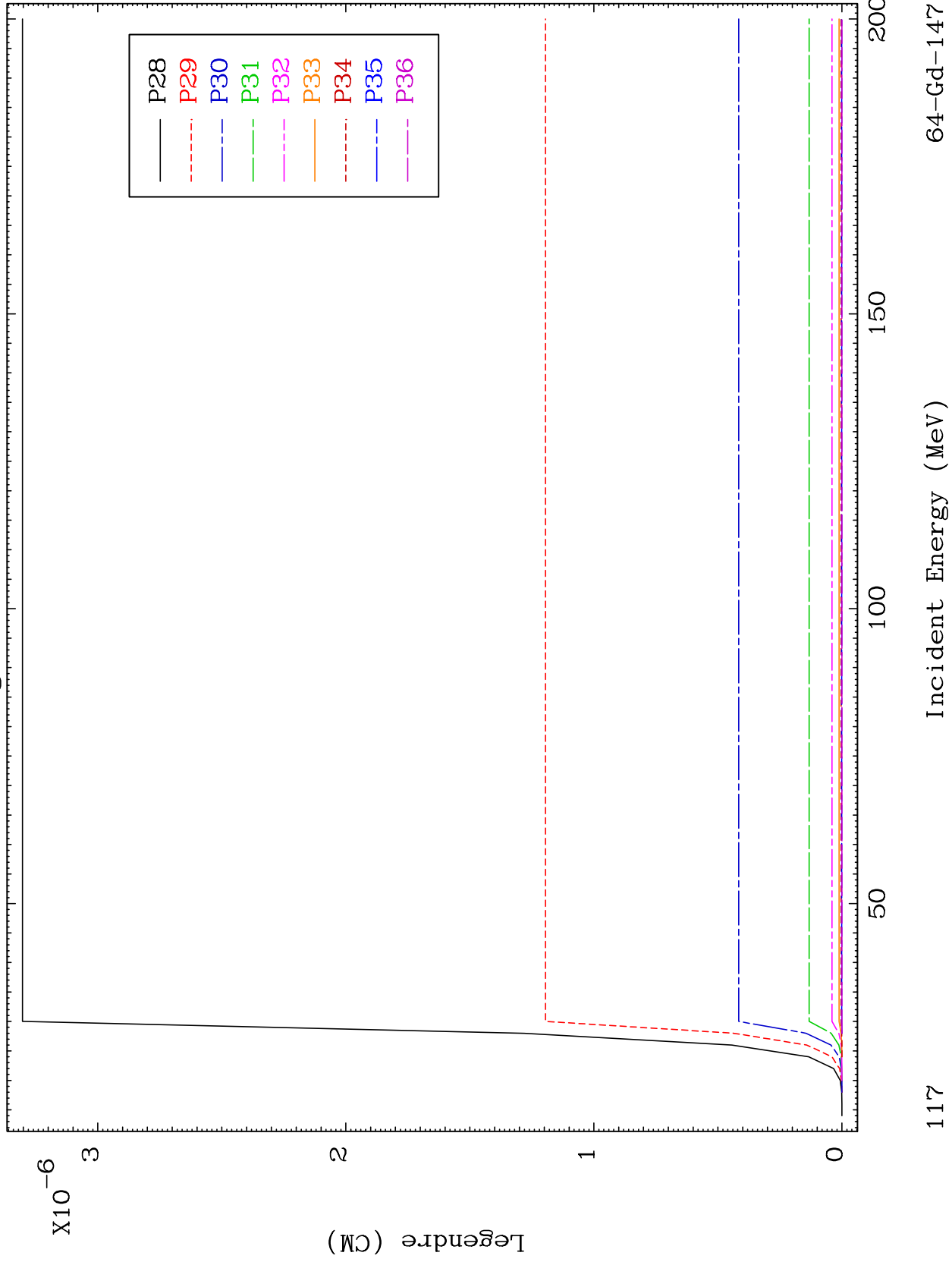
116

64-Gd-147

MAT 6410

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

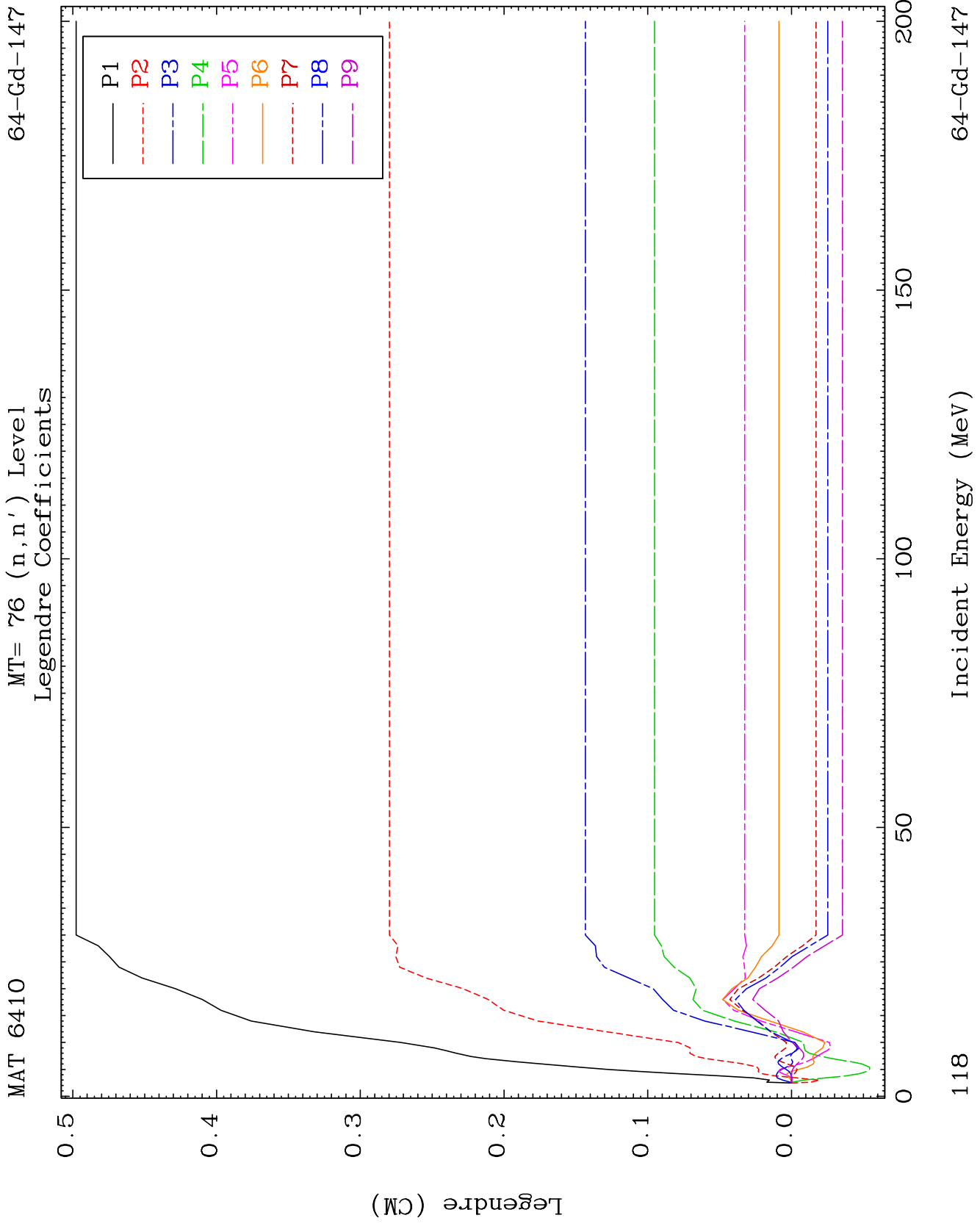
64-Gd-147



117

Incident Energy (MeV)

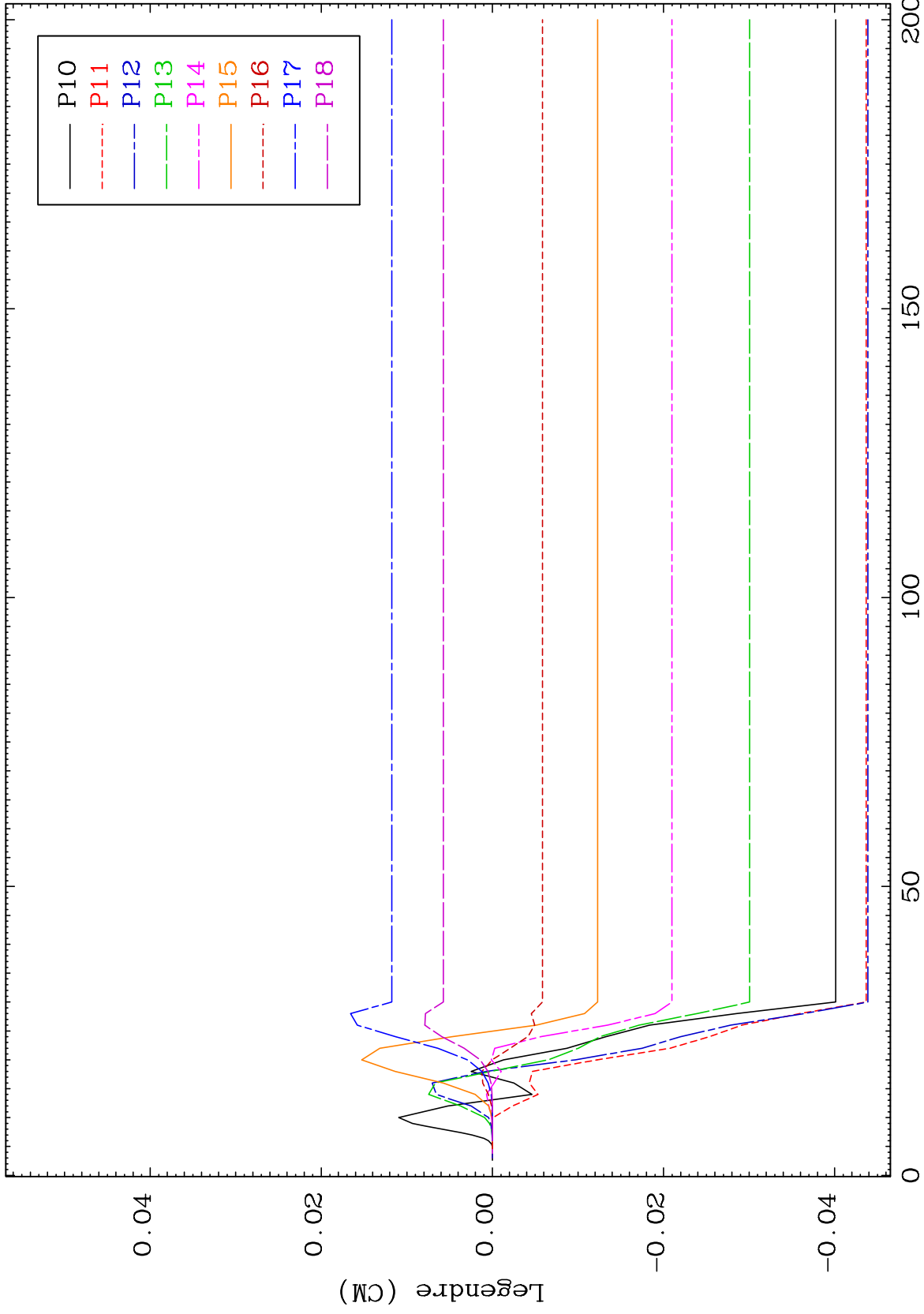
64-Gd-147



MAT 6410

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

64-Gd-147



119

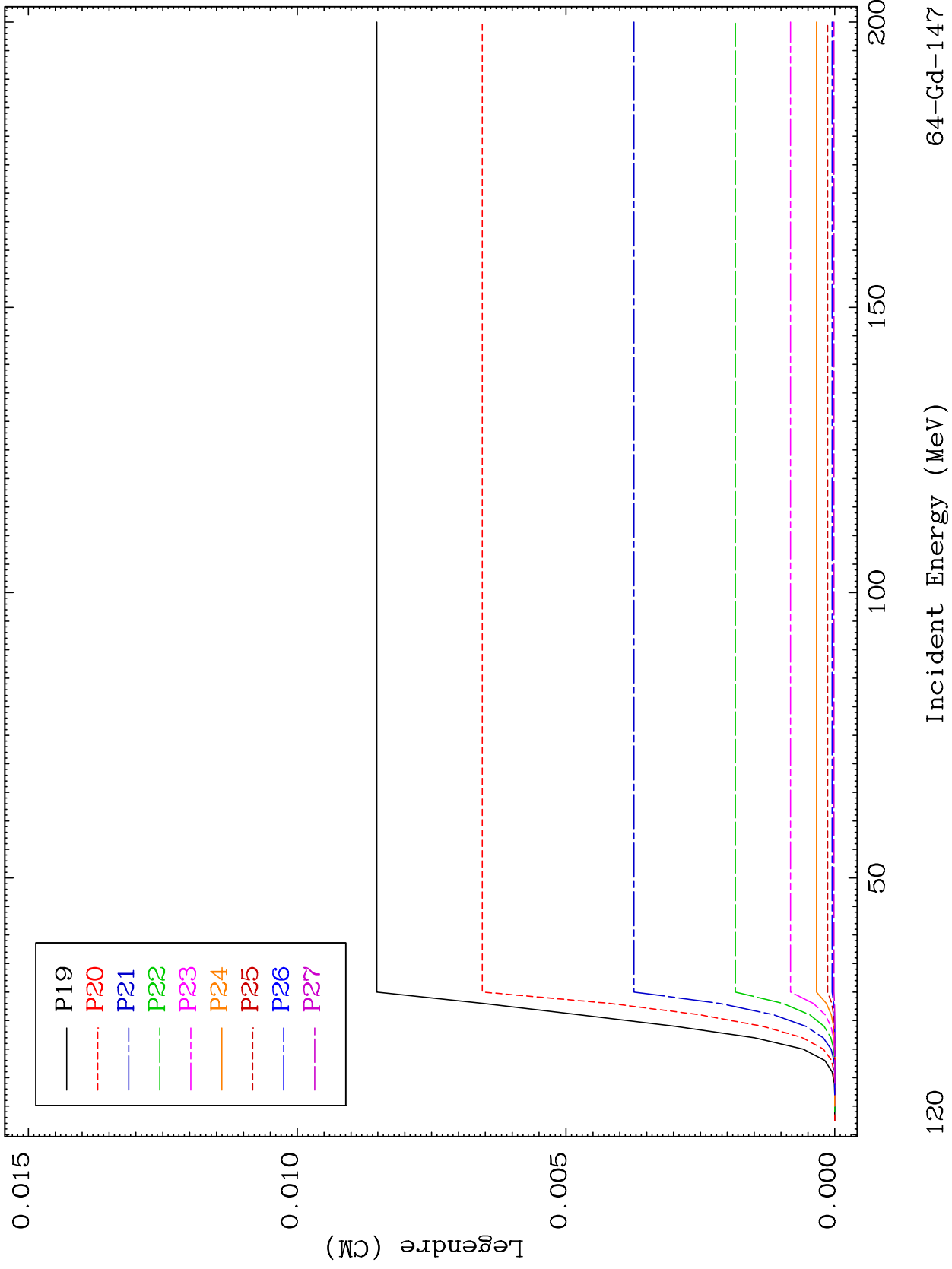
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

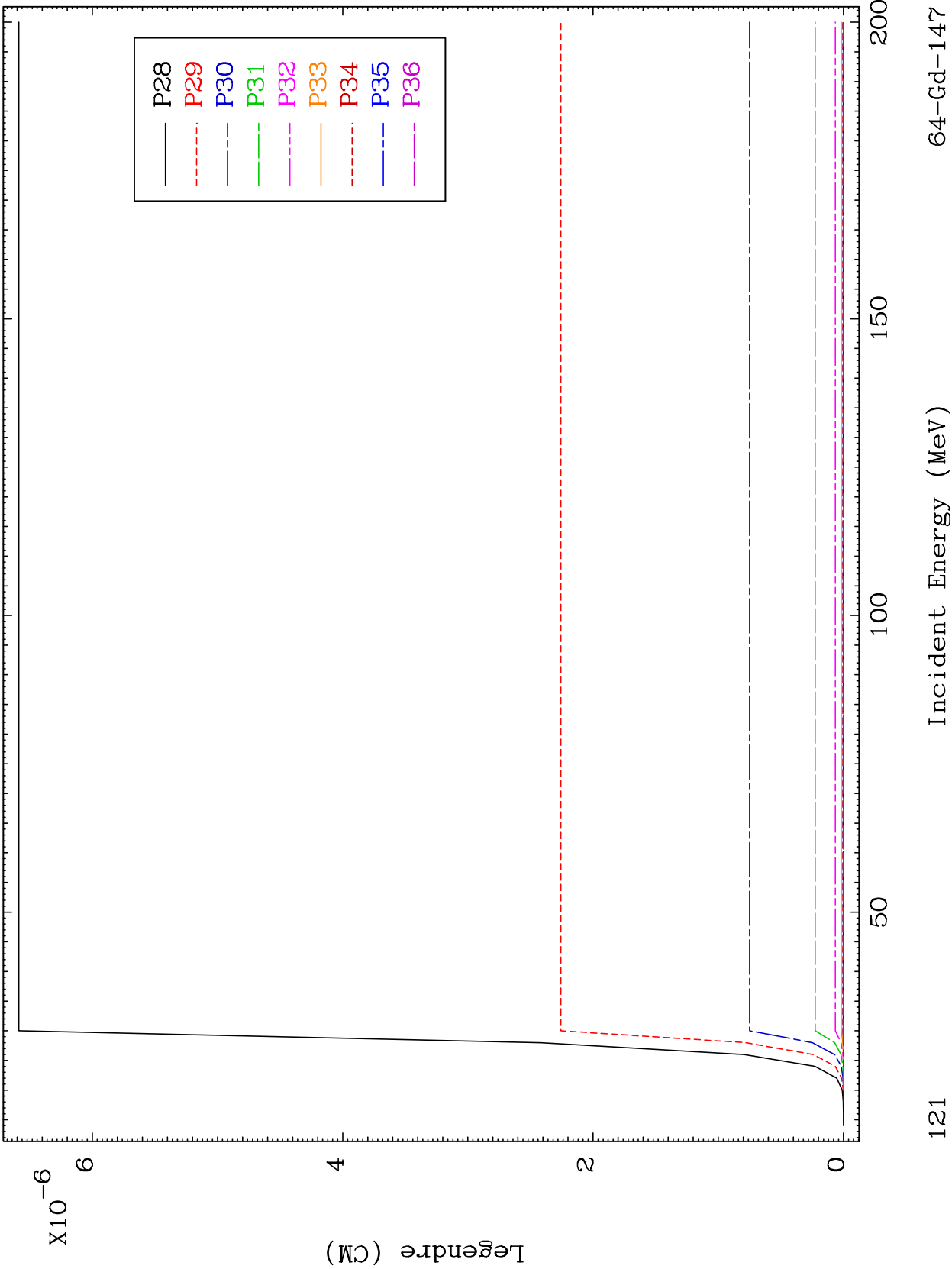
Incident Energy (MeV)

120

MAT 6410

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

64-Gd-147



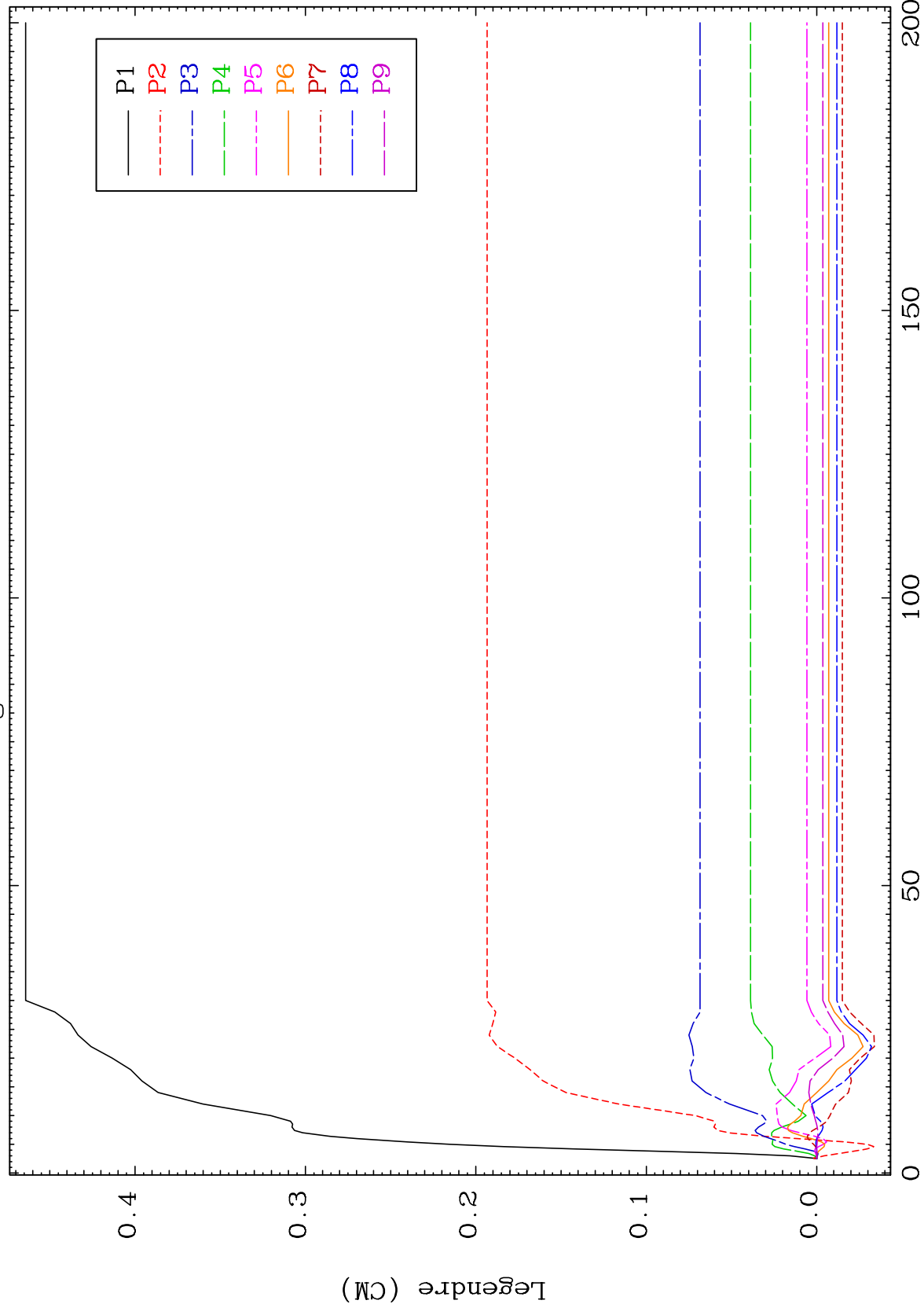
121

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

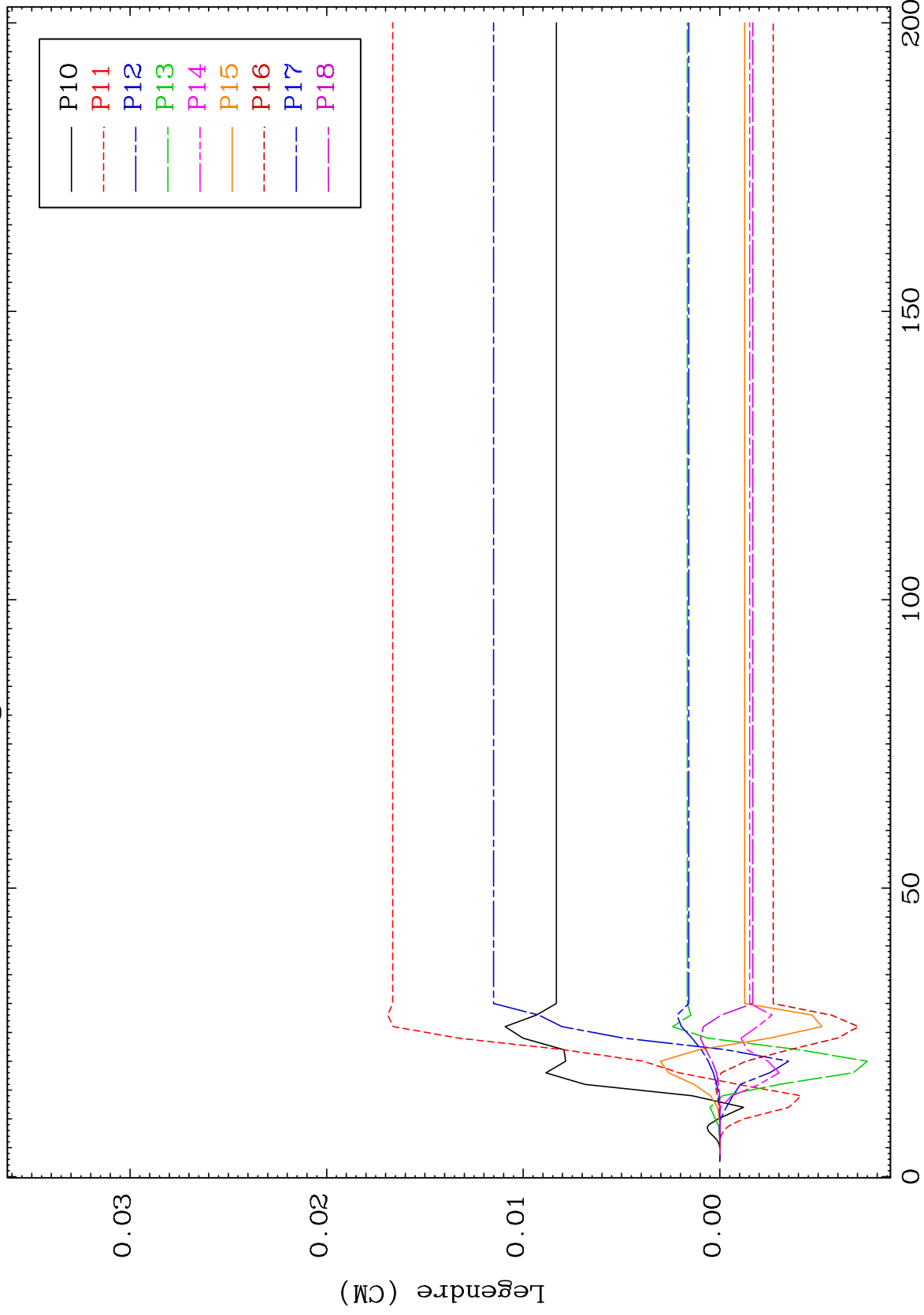
Incident Energy (MeV)

122

MAT 6410

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

64-Gd-147



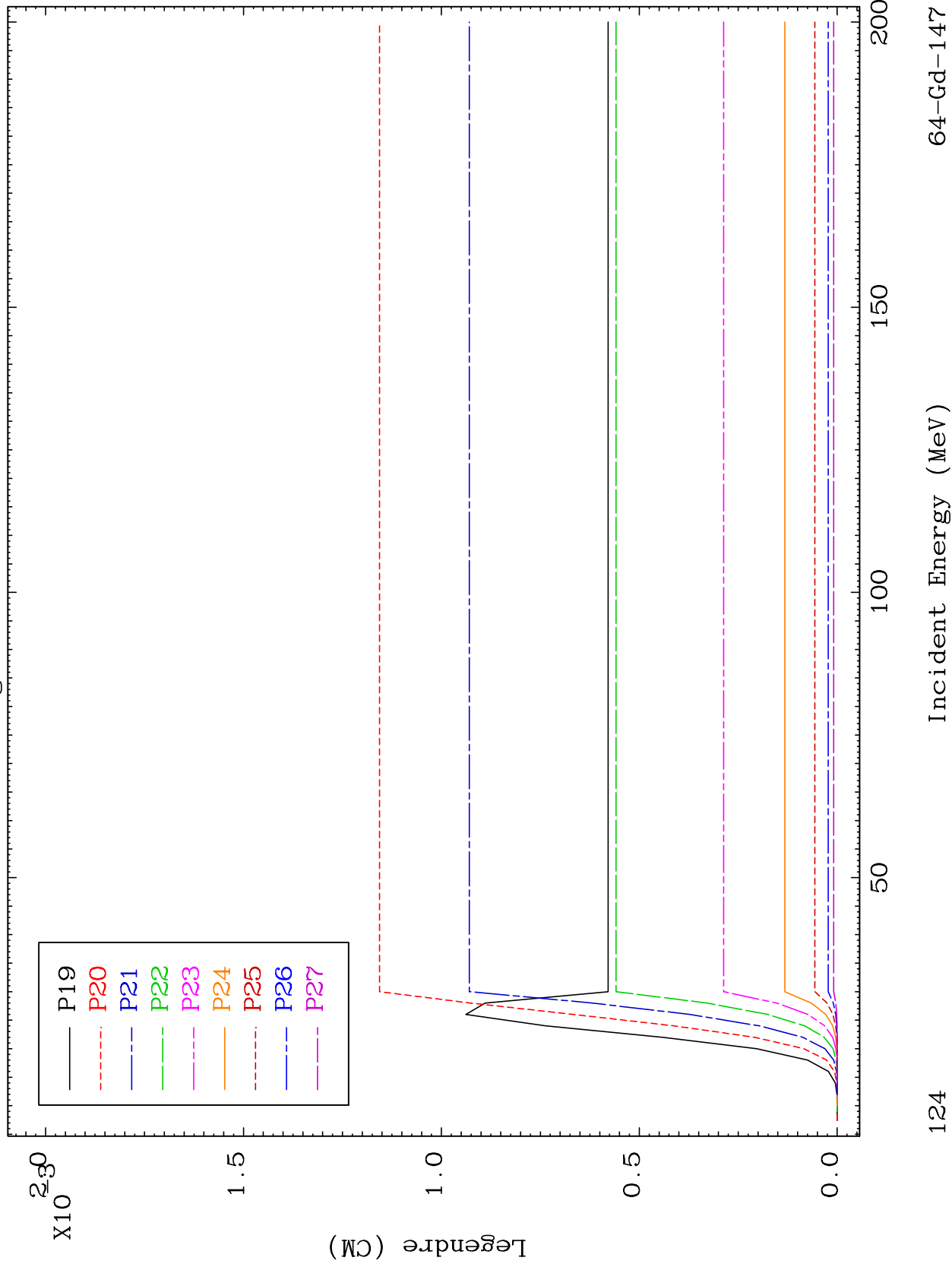
123

64-Gd-147

MAT 6410

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

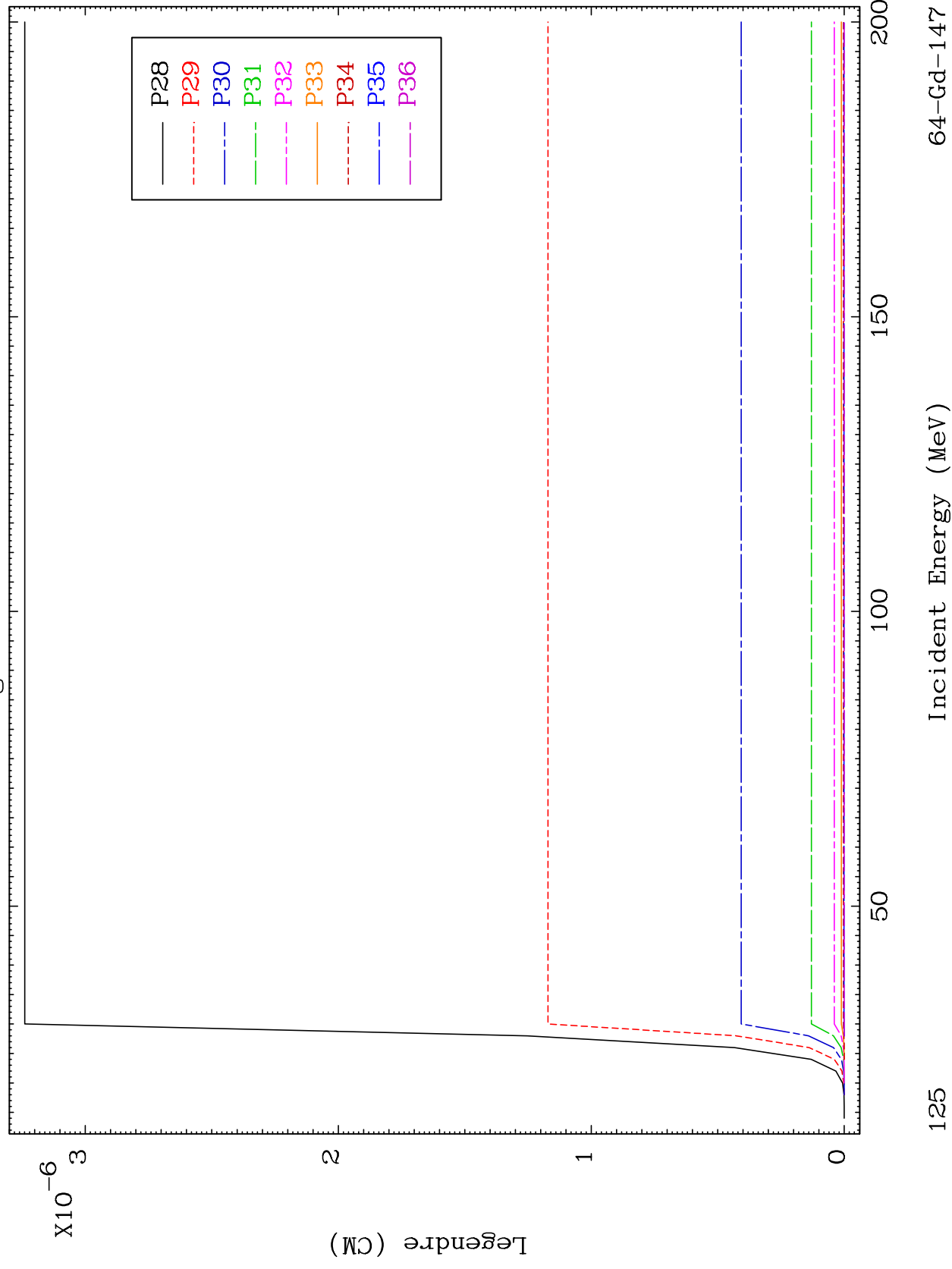
64-Gd-147



MAT 6410

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

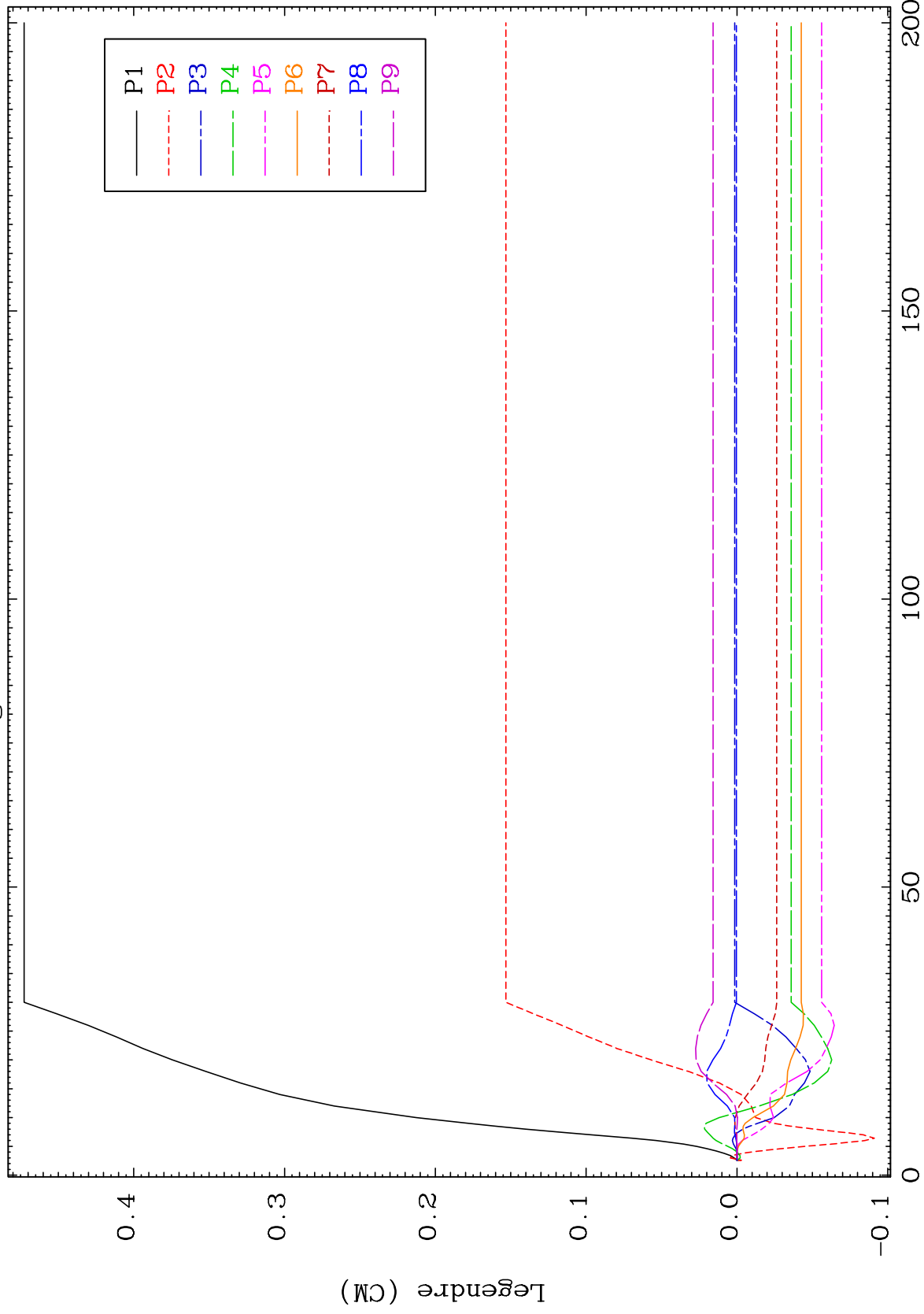
64-Gd-147



MAT 6410

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

64-Gd-147



126

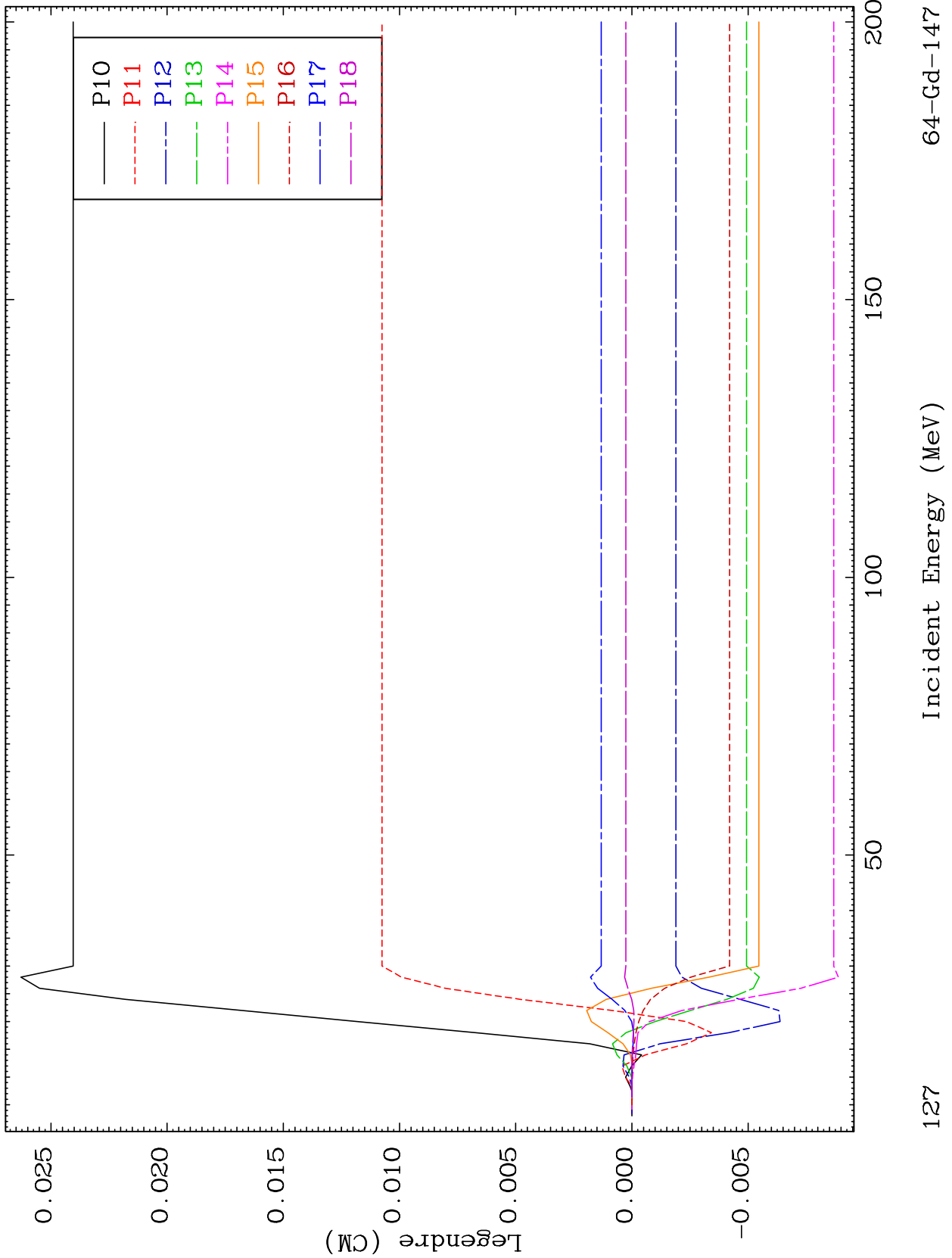
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

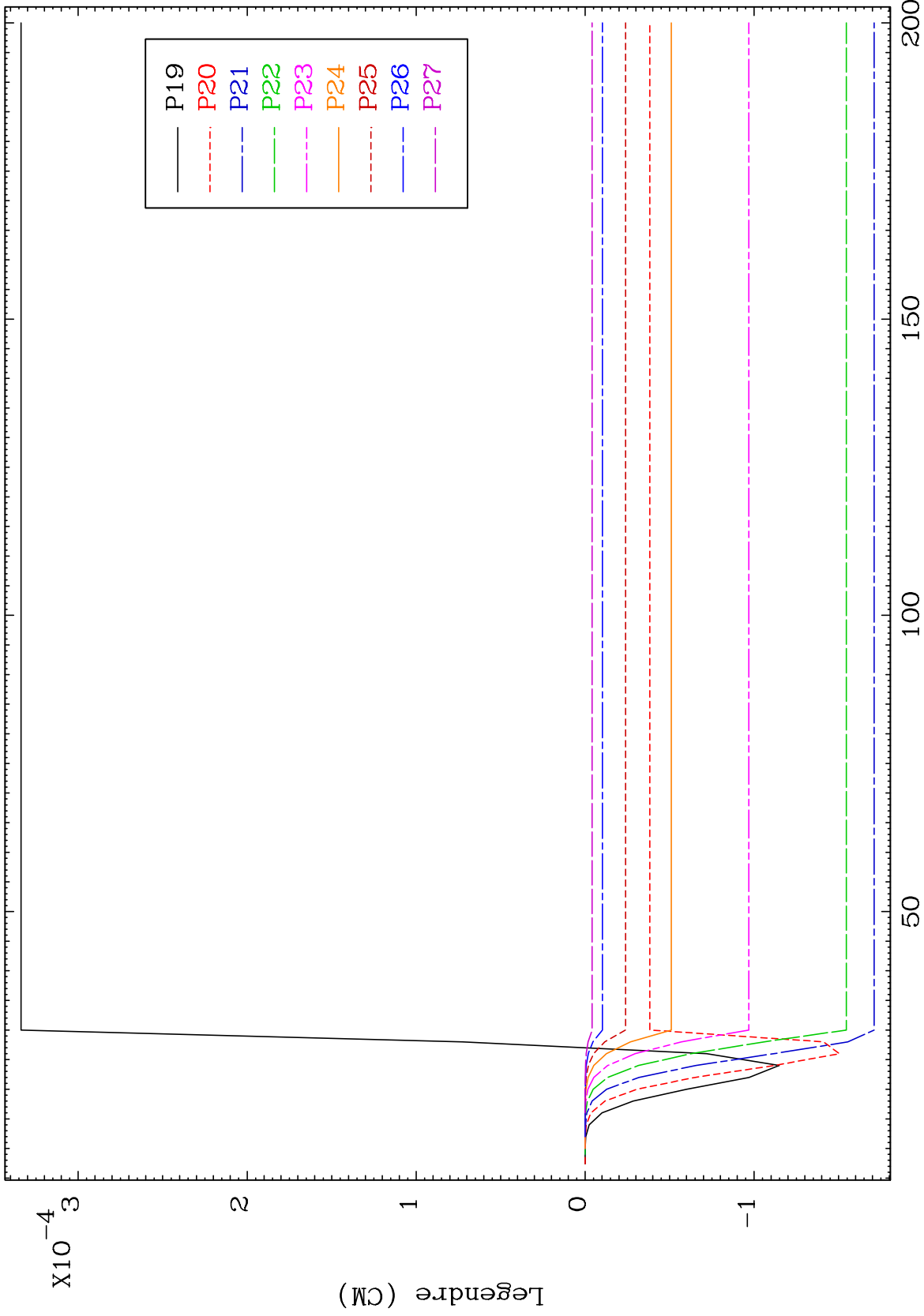
64-Gd-147

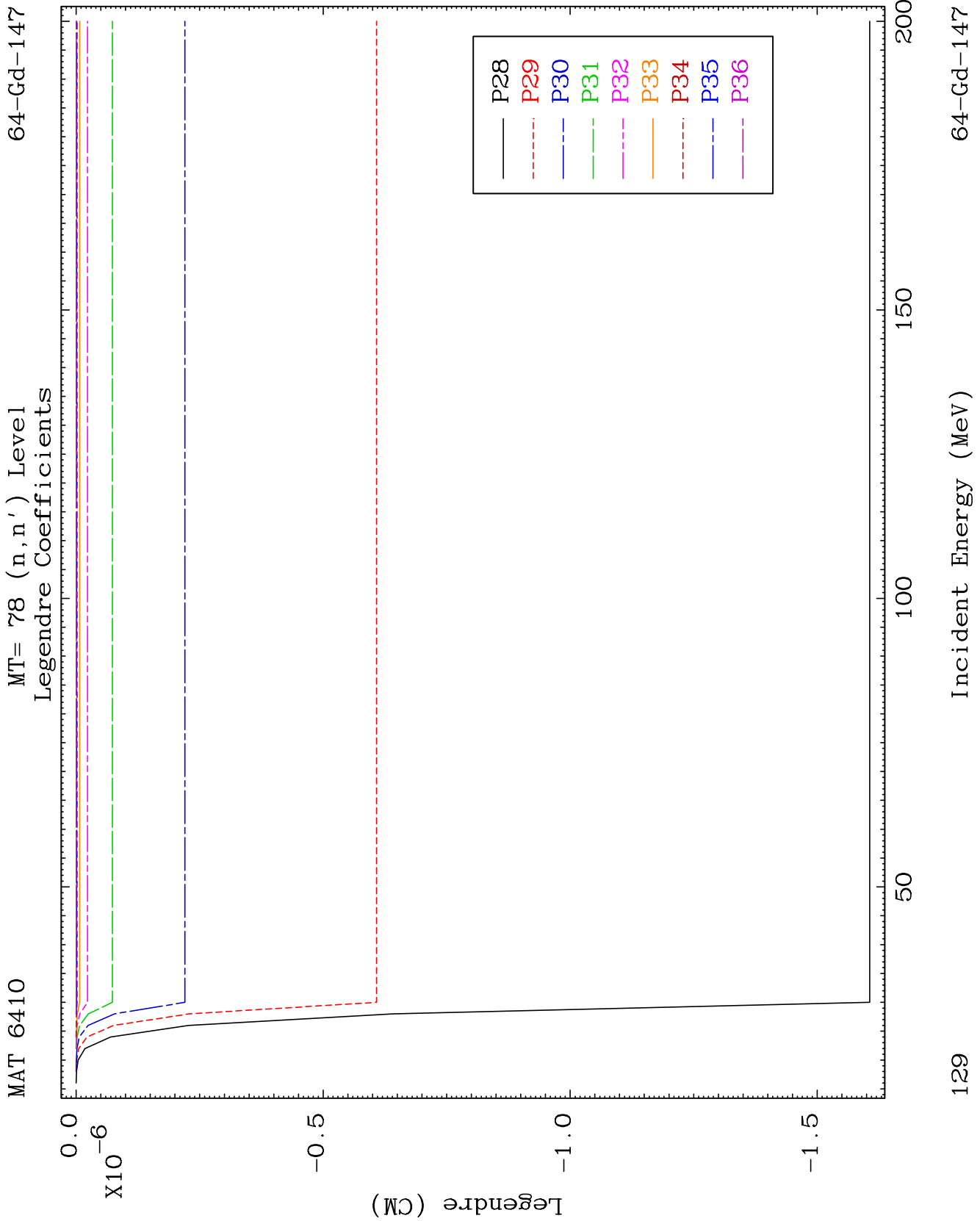


127

Incident Energy (MeV)

64-Gd-147

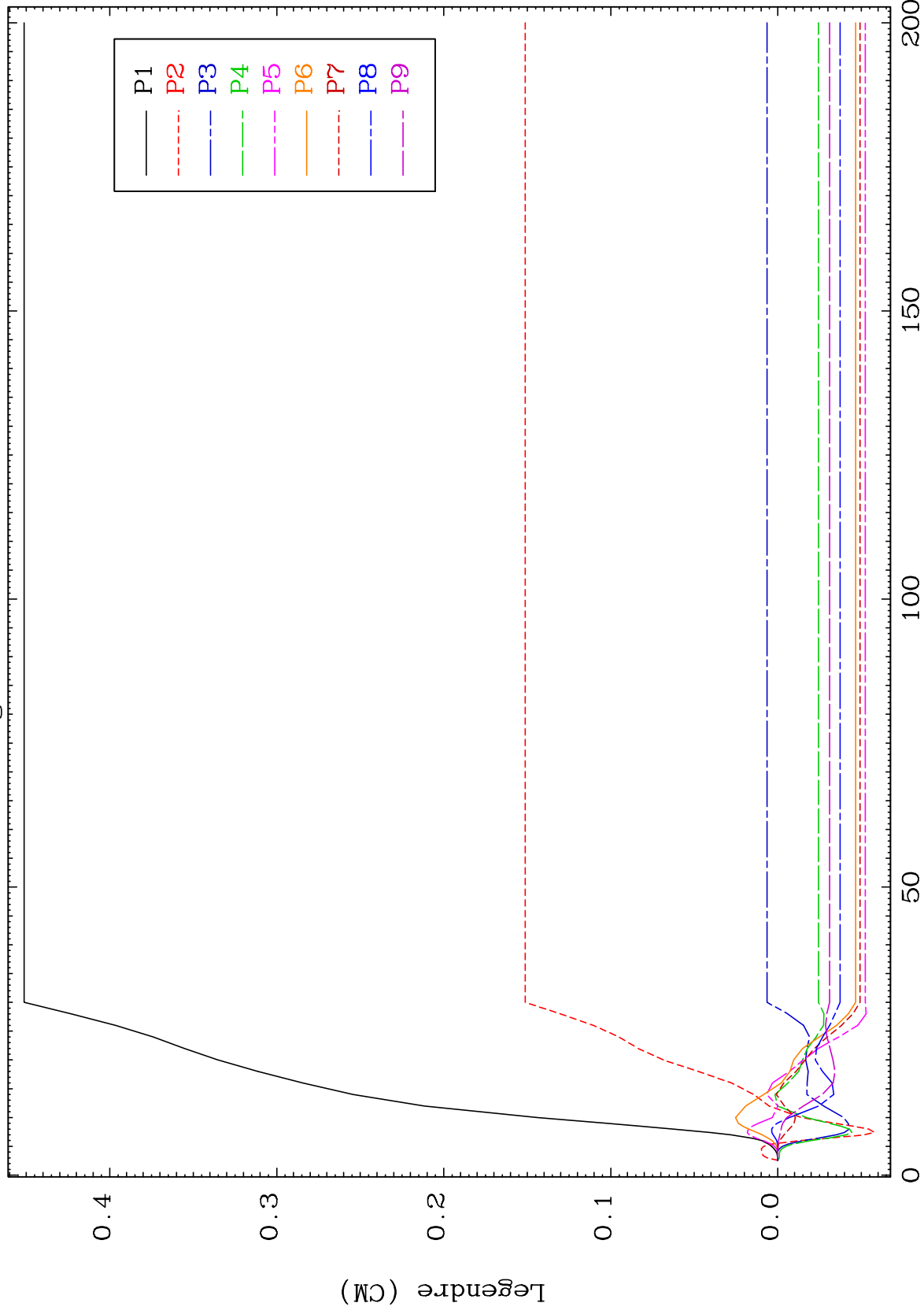




MAT 6410

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

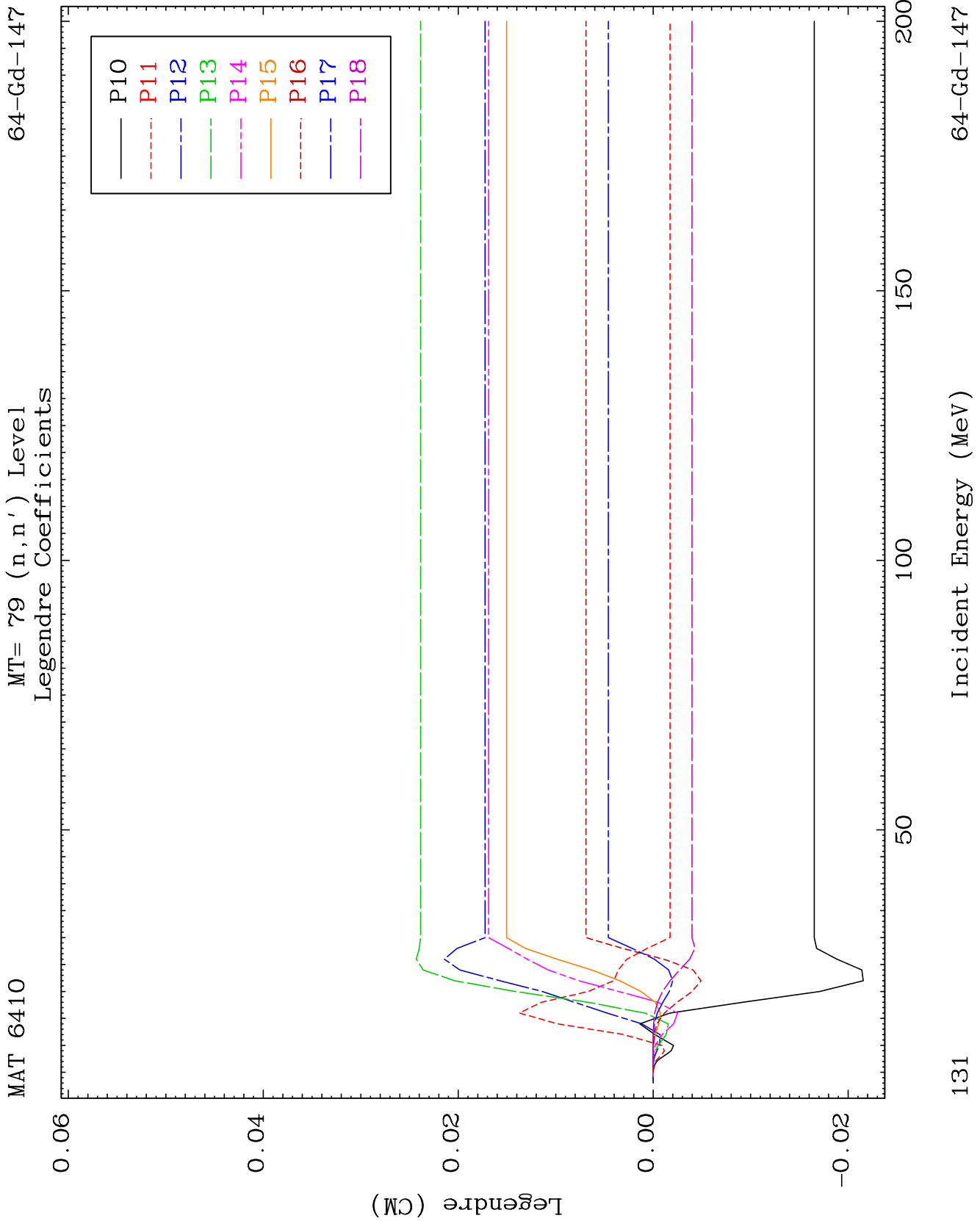
64-Gd-147



130

Incident Energy (MeV)

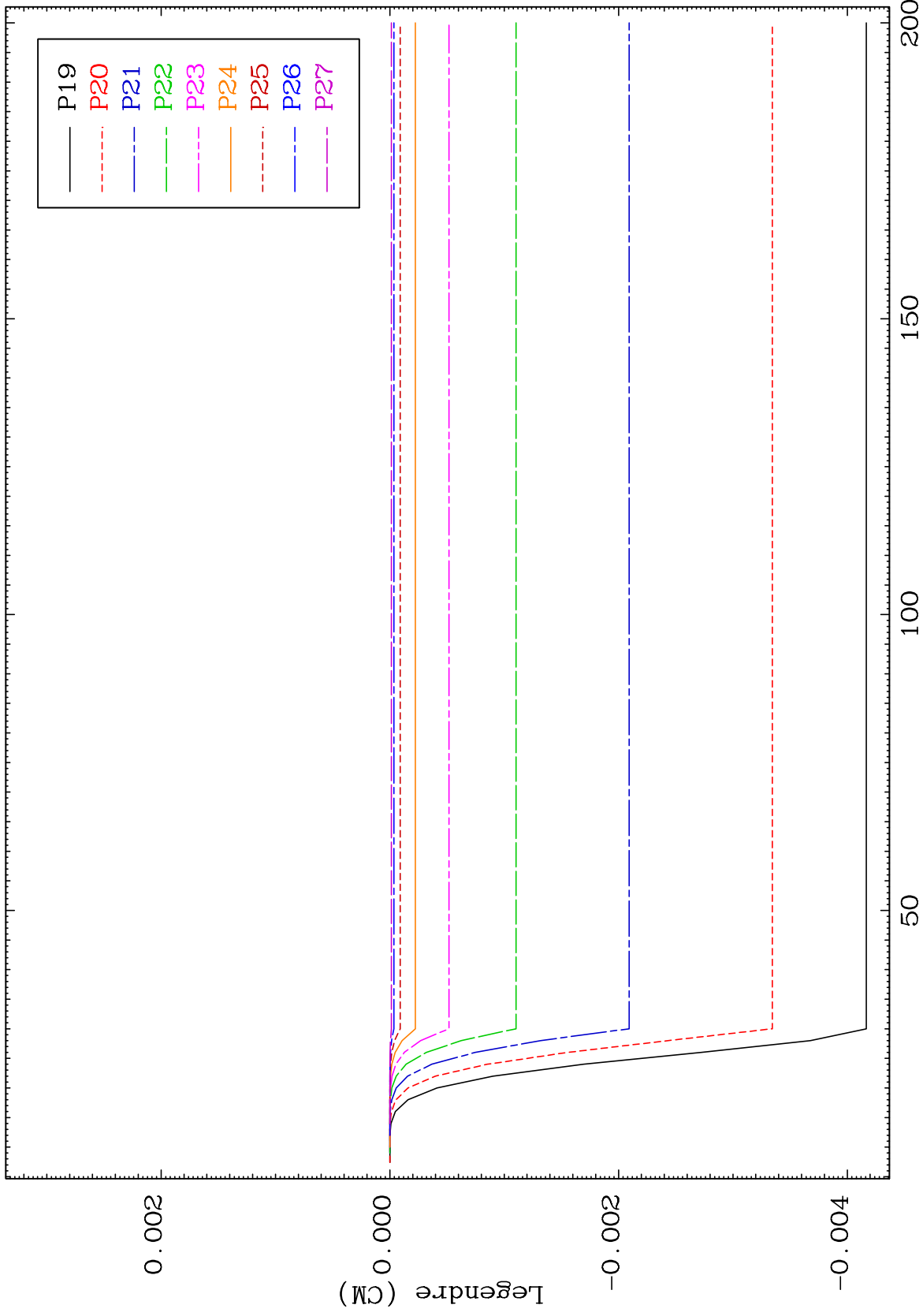
64-Gd-147



MAT 6410

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

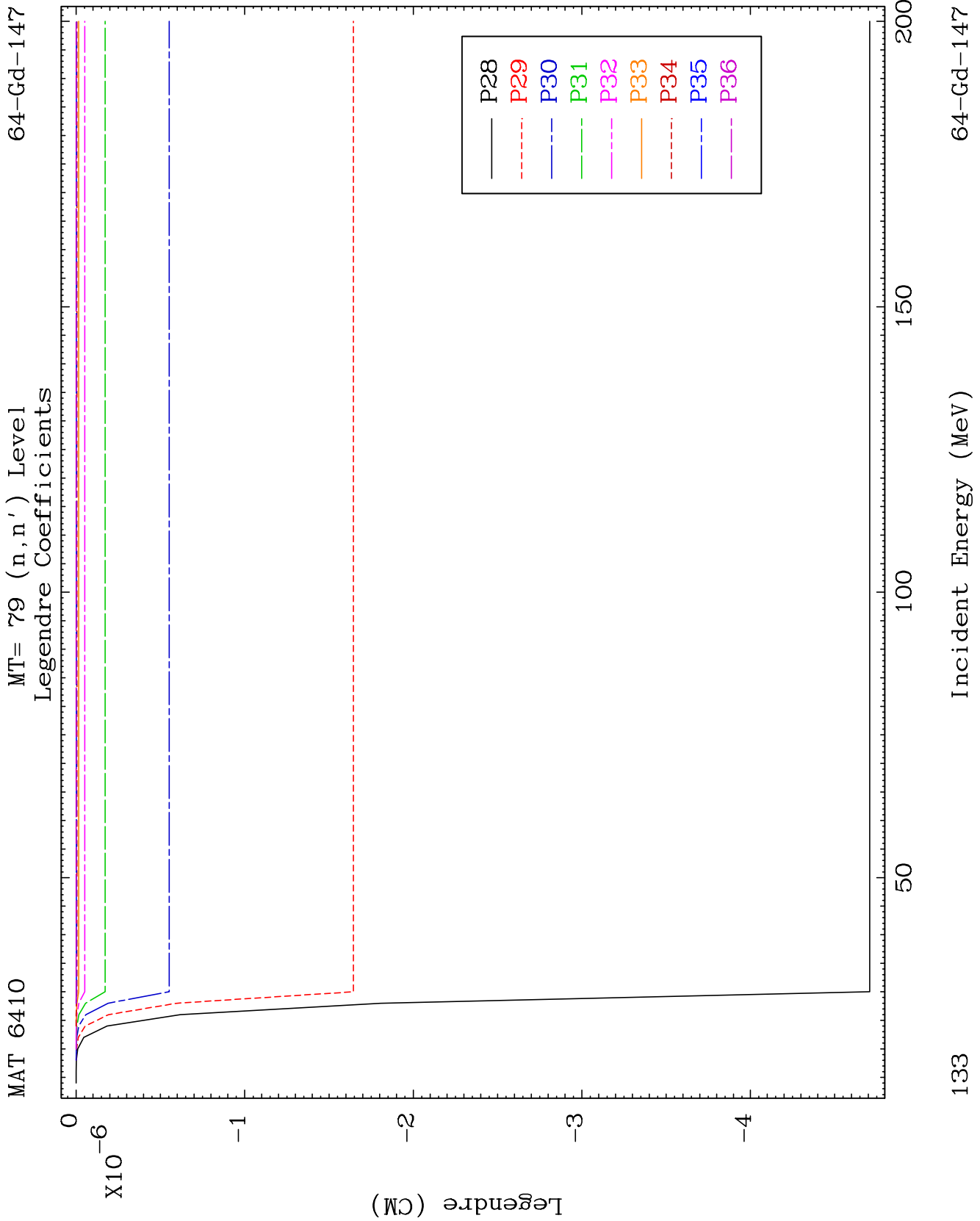
64-Gd-147



132

Incident Energy (MeV)

64-Gd-147

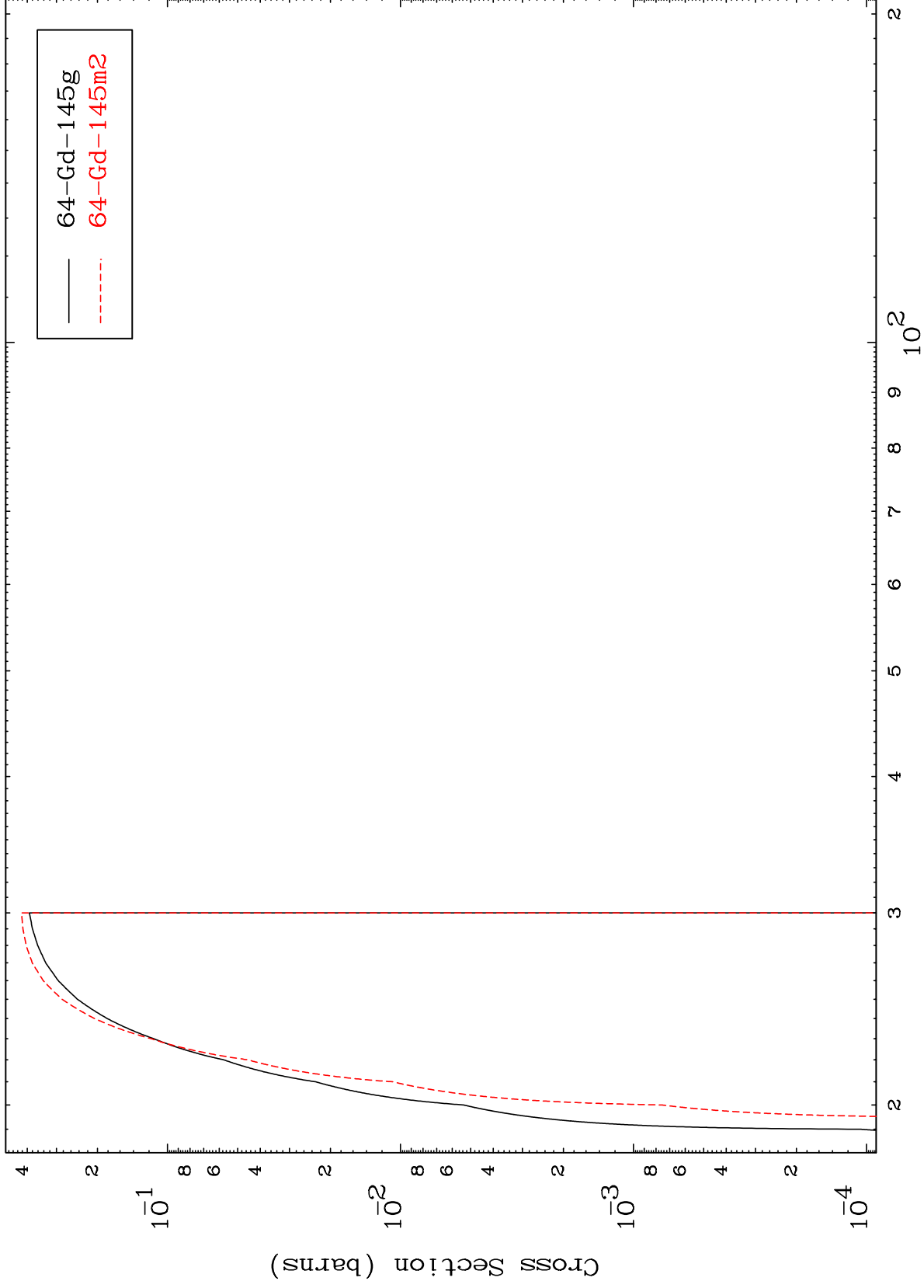


MAT 6410

(n,3n)

64-Gd-147

Radionuclide Production Cross Section



134

Incident Energy (MeV)

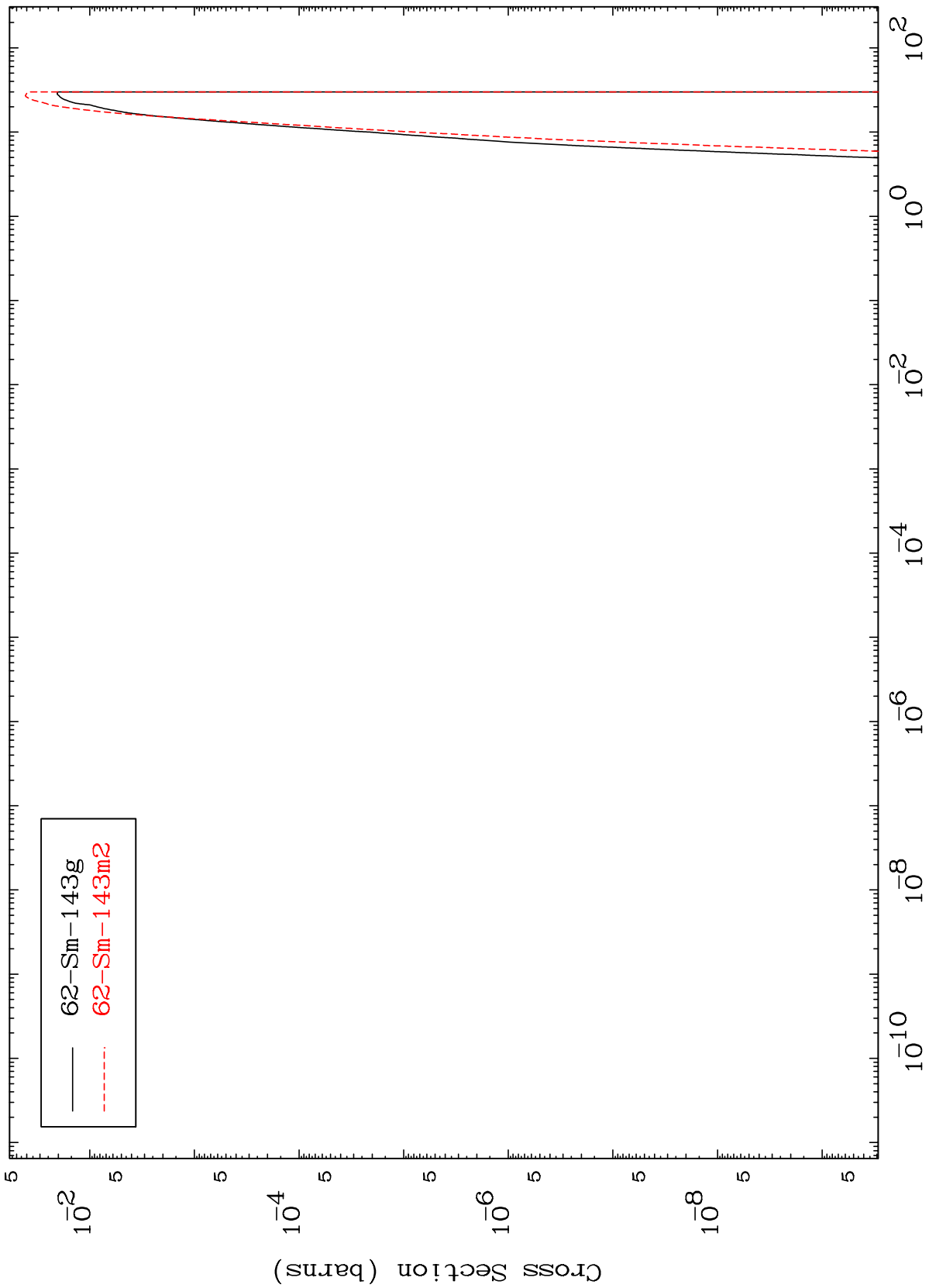
64-Gd-147

MAT 6410

(n, n') α

64-Gd-147

Radionuclide Production Cross Section



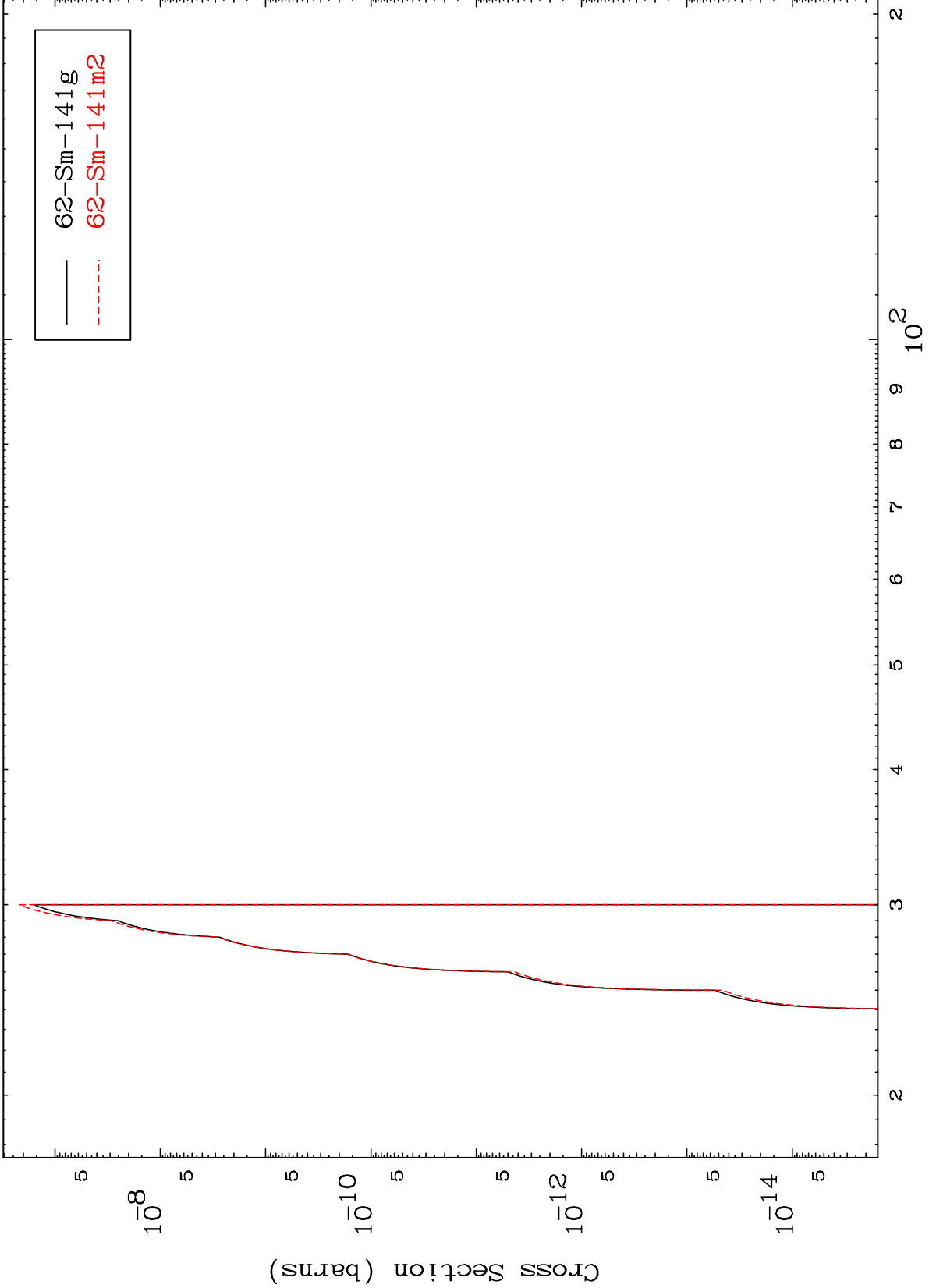
62-Sm-143g
62-Sm-143m2

135

Incident Energy (MeV)

64-Gd-147

Radionuclide Production Cross Section

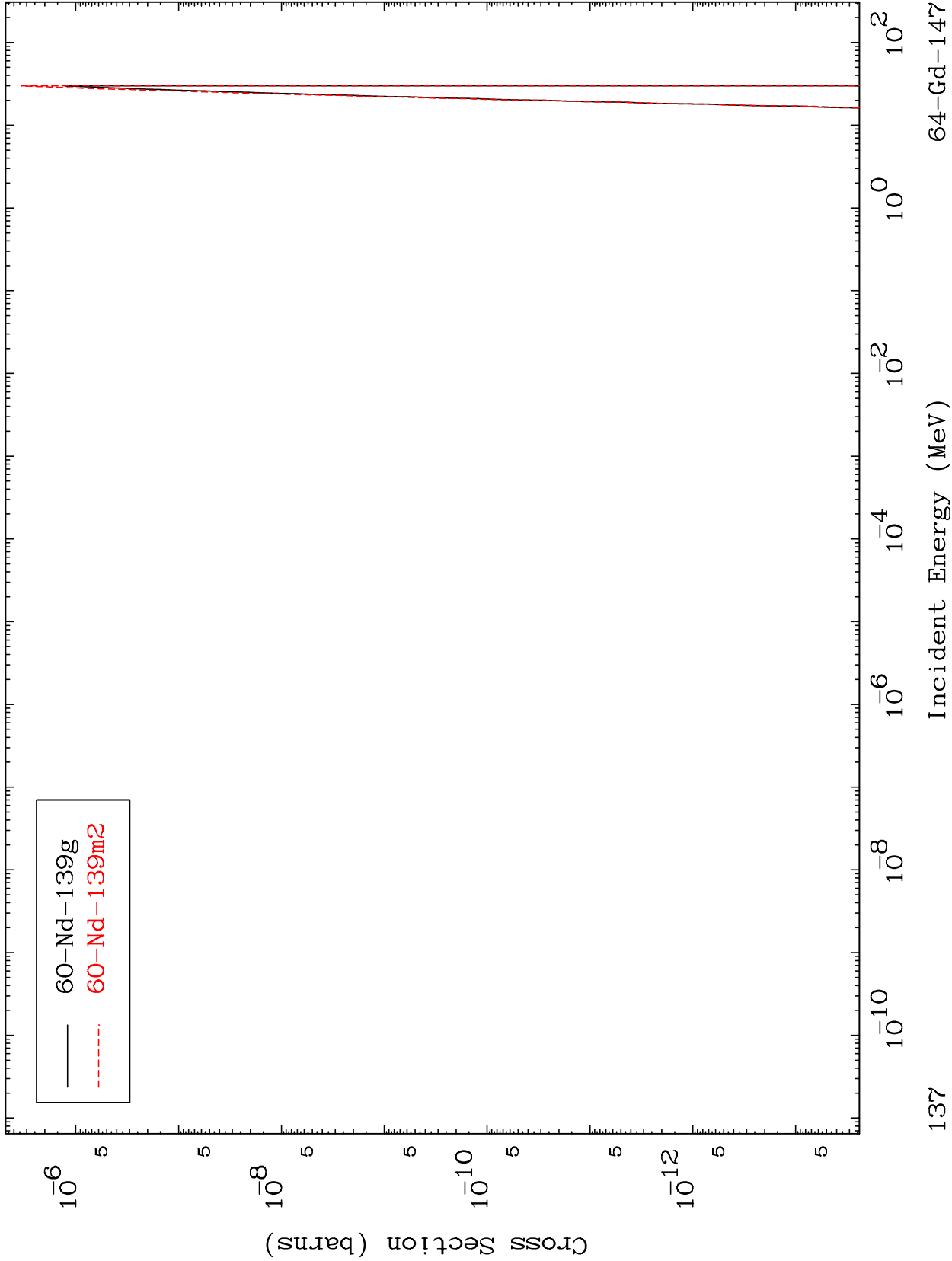


MAT 6410

(n,n') 2α

64-Gd-147

Radionuclide Production Cross Section



137

Incident Energy (MeV)

64-Gd-147