

Program EVALPLOT
(Version 2021-1)

by

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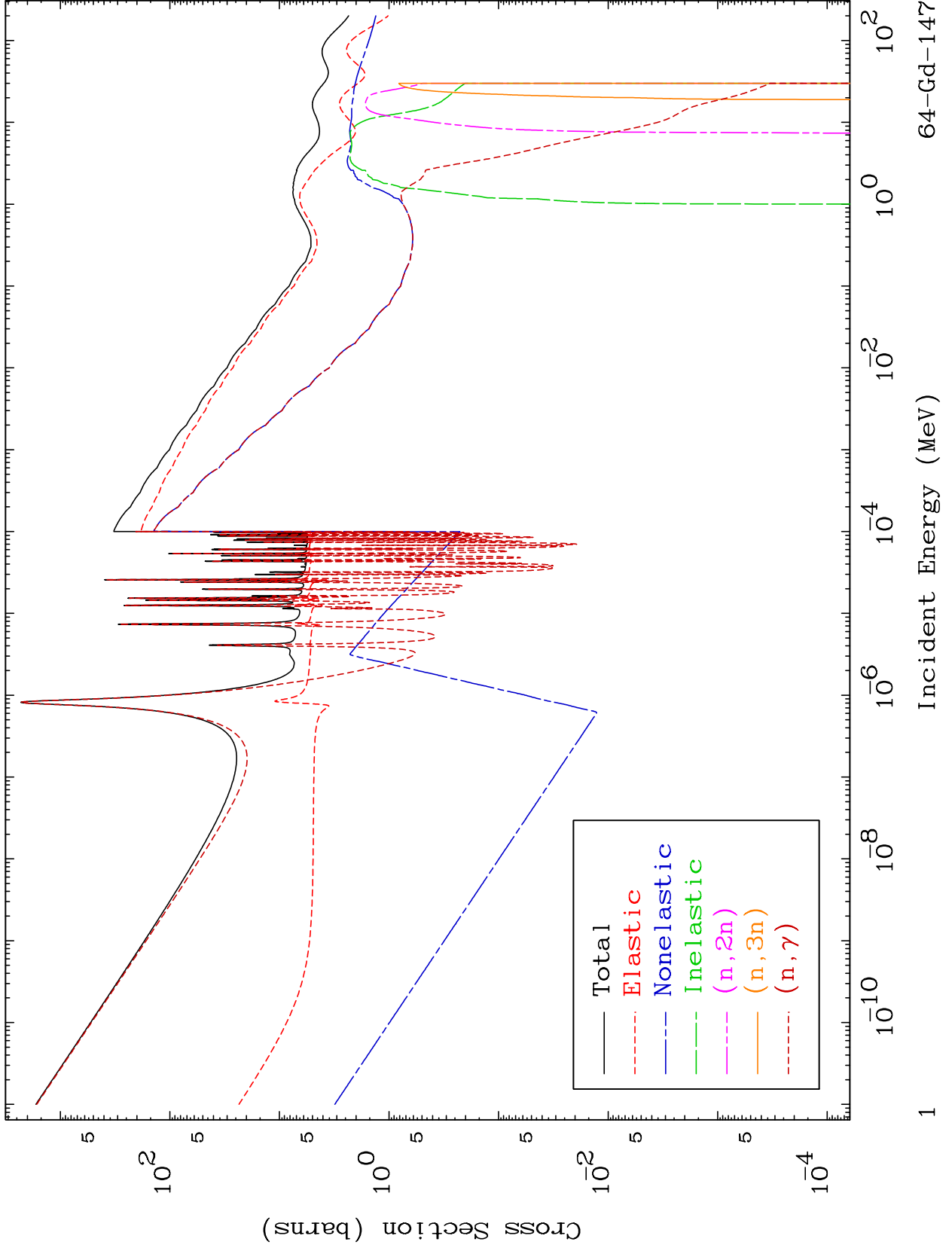
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Press Mouse Button to Start

MAT 6410

Neutron Major
293 Kelvin Cross Sections

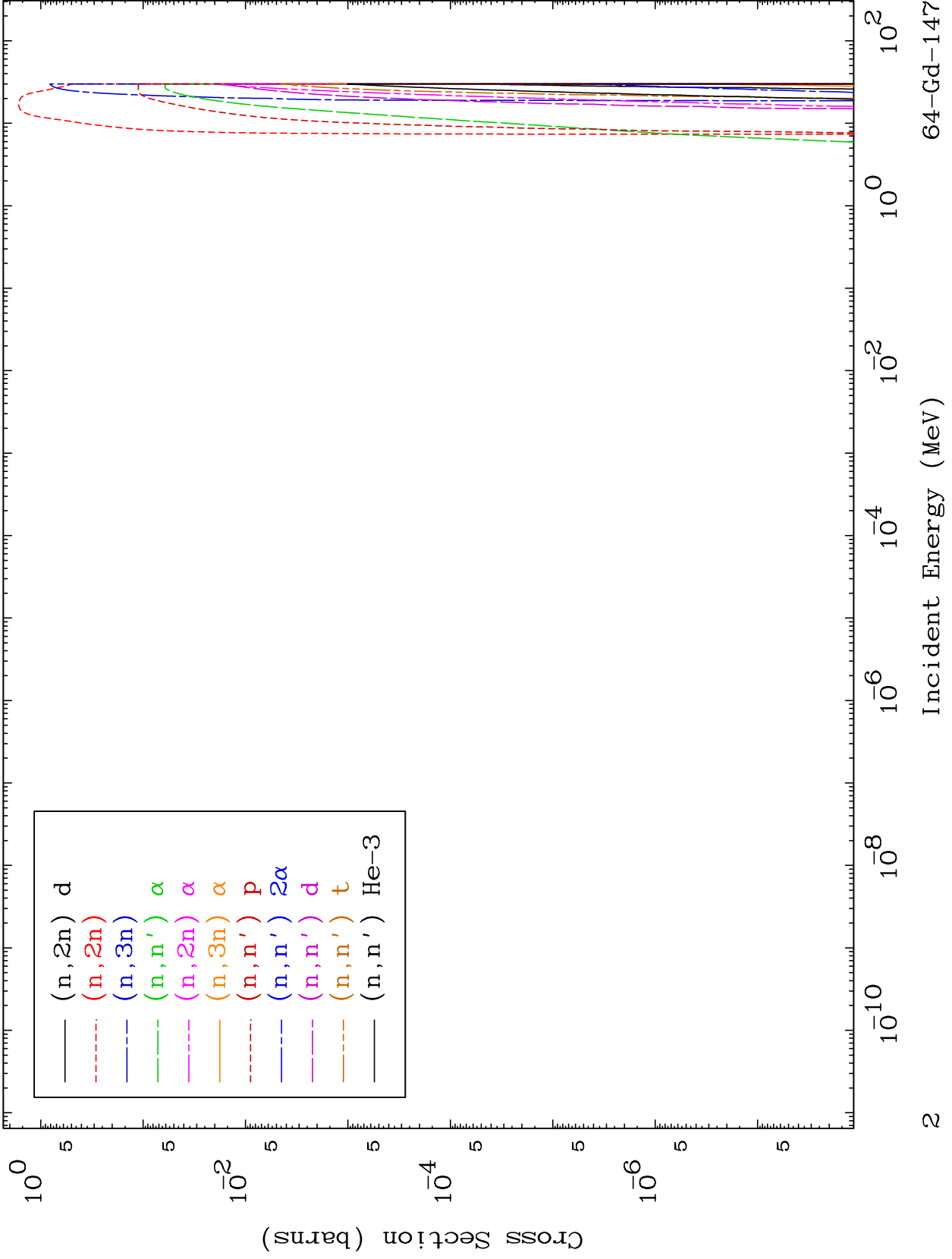
64-Gd-147

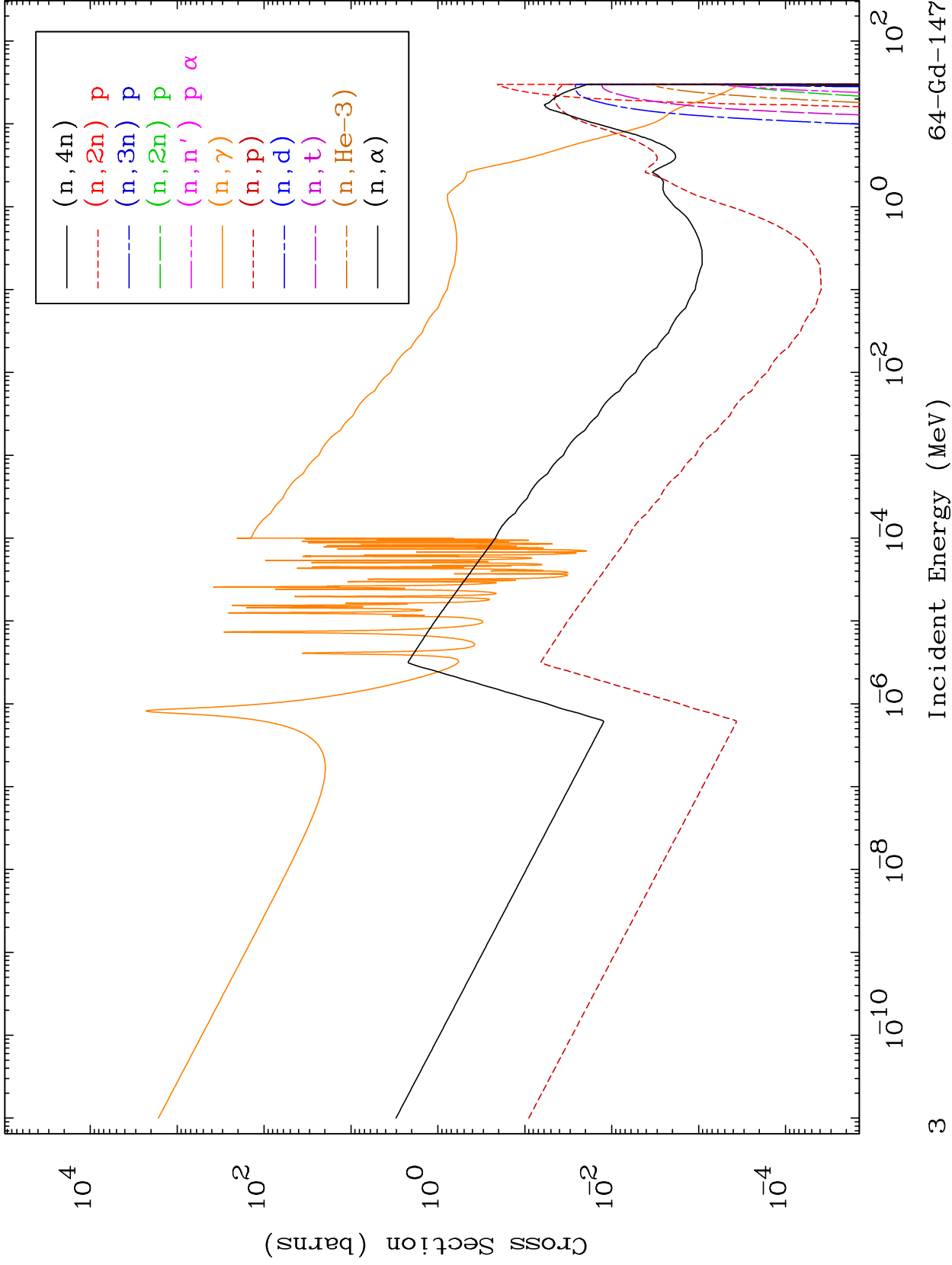


MAT 6410

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-147

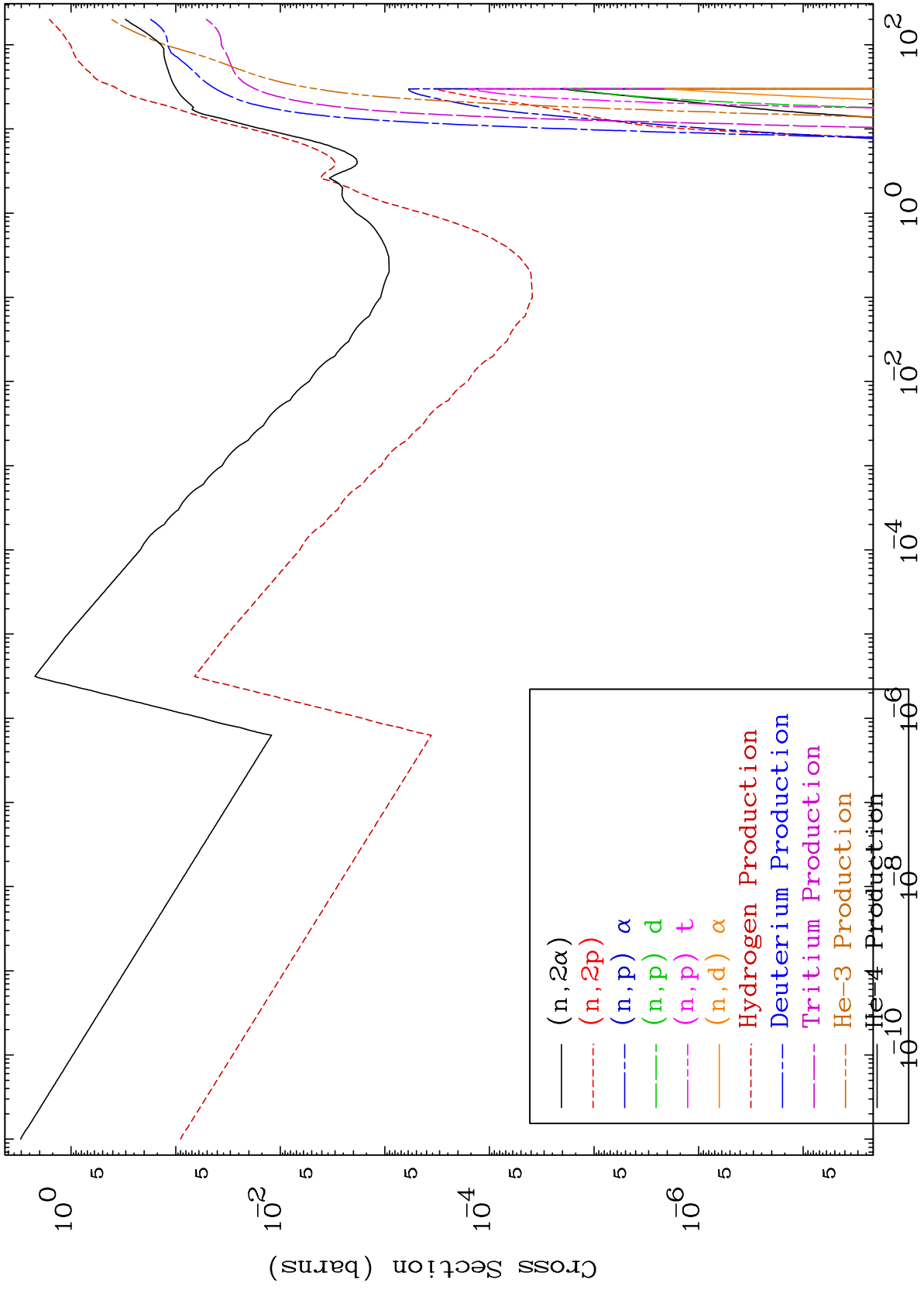




MAT 6410

Neutron Absorption
293 Kelvin Cross Sections

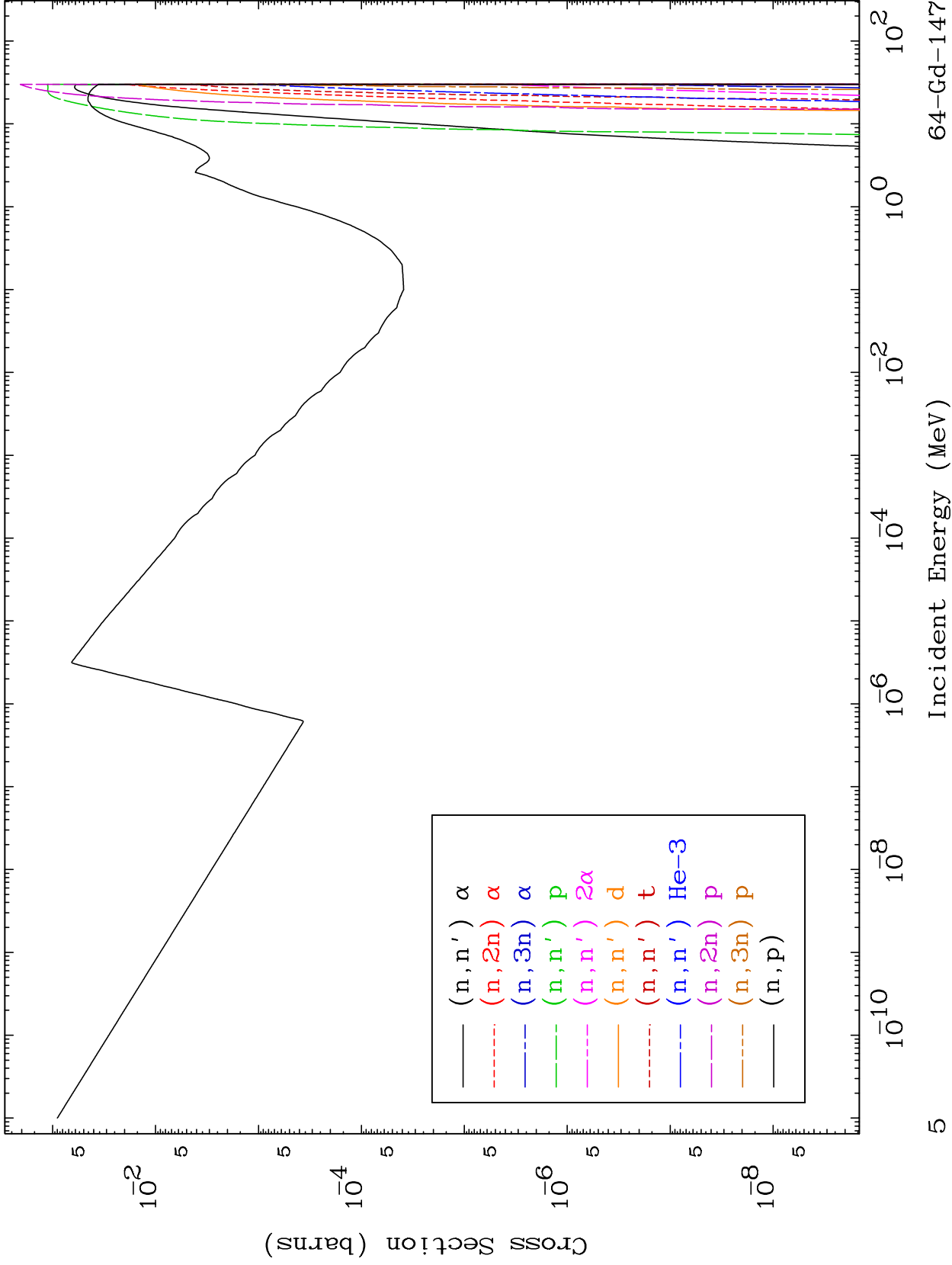
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MAT 6410

Charged Particle
293 Kelvin Cross Sections

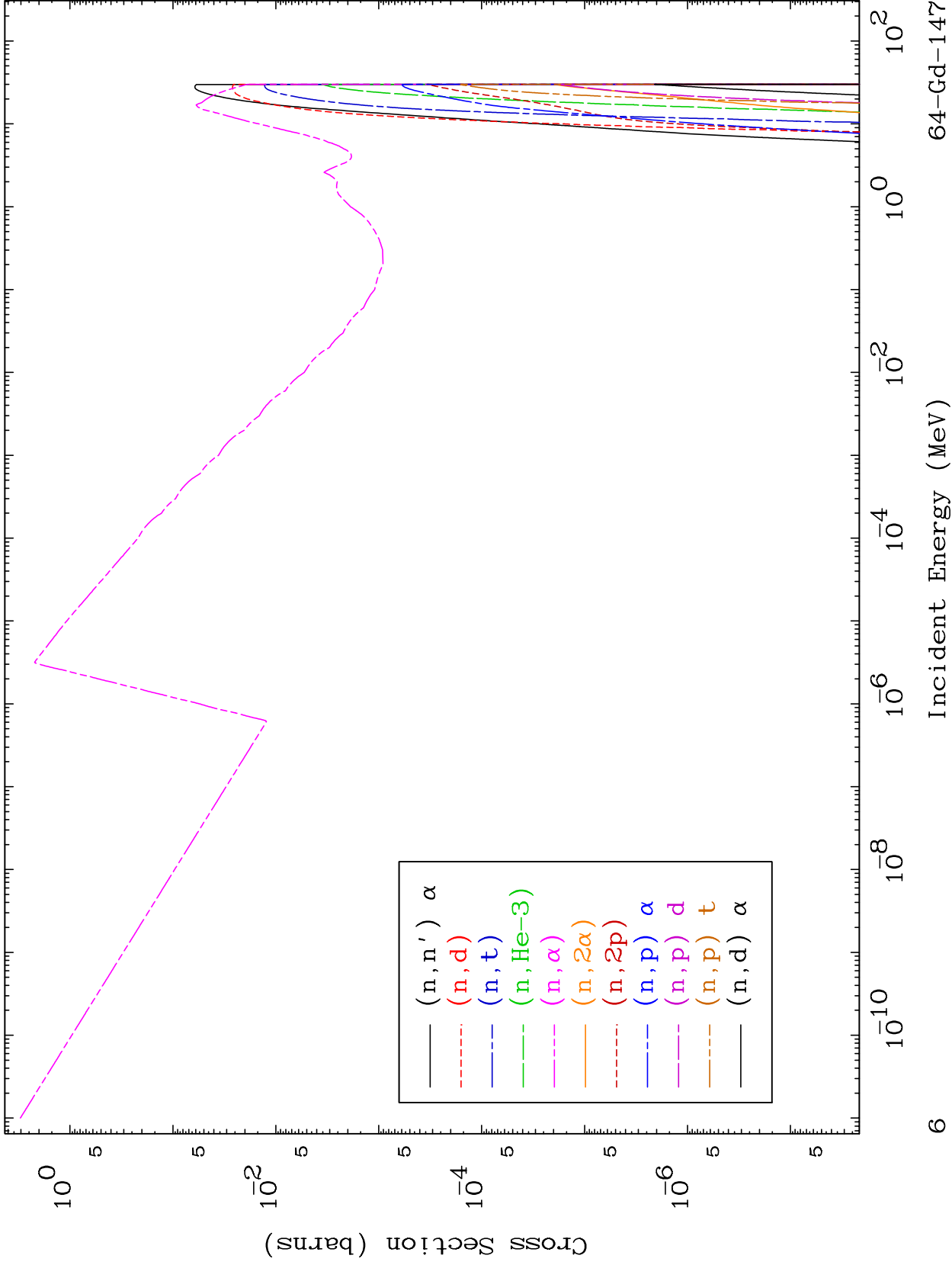
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MAT 6410

Charged Particle
293 Kelvin Cross Sections

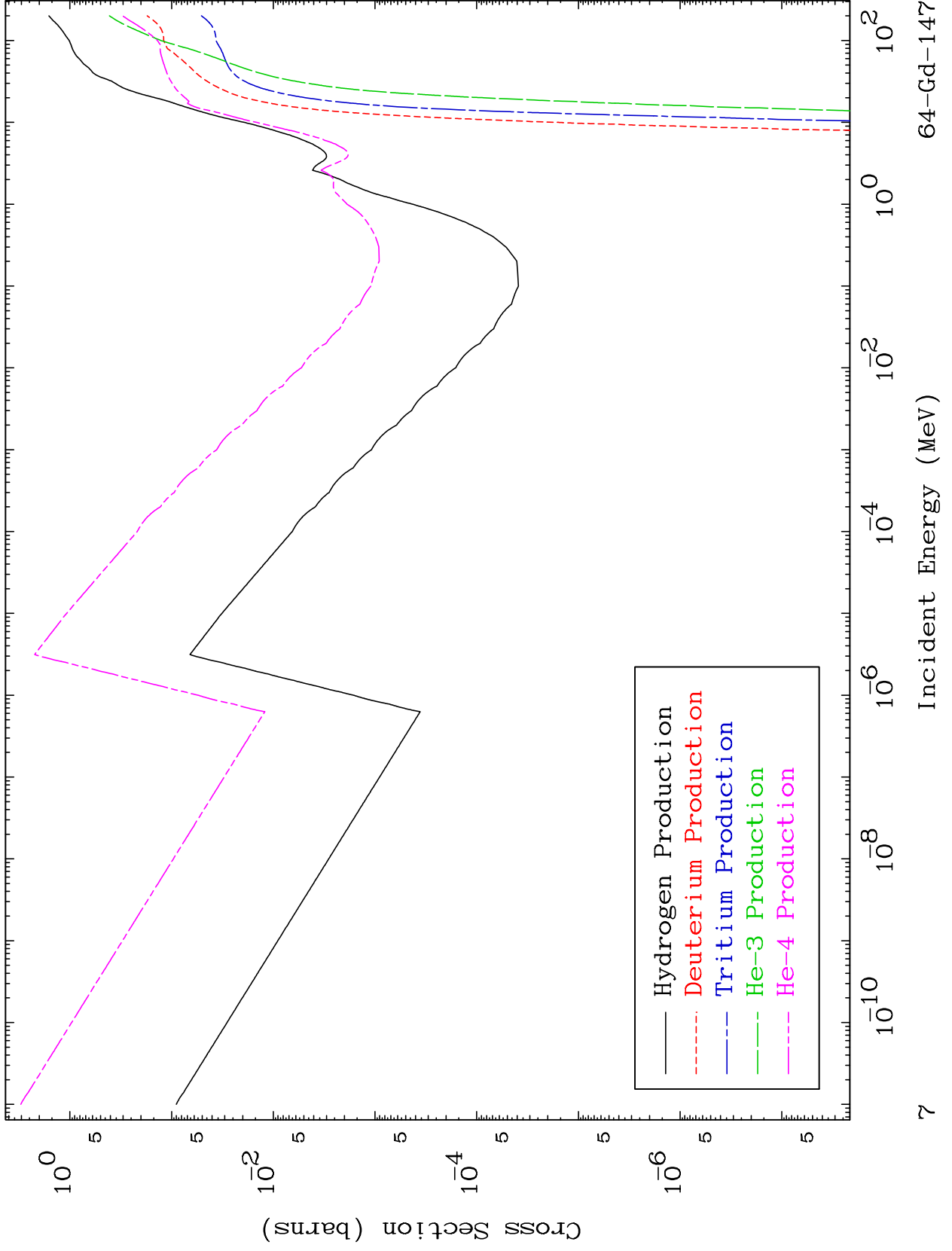
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MAT 6410

Particle Production
293 Kelvin Cross Sections

64-Gd-147

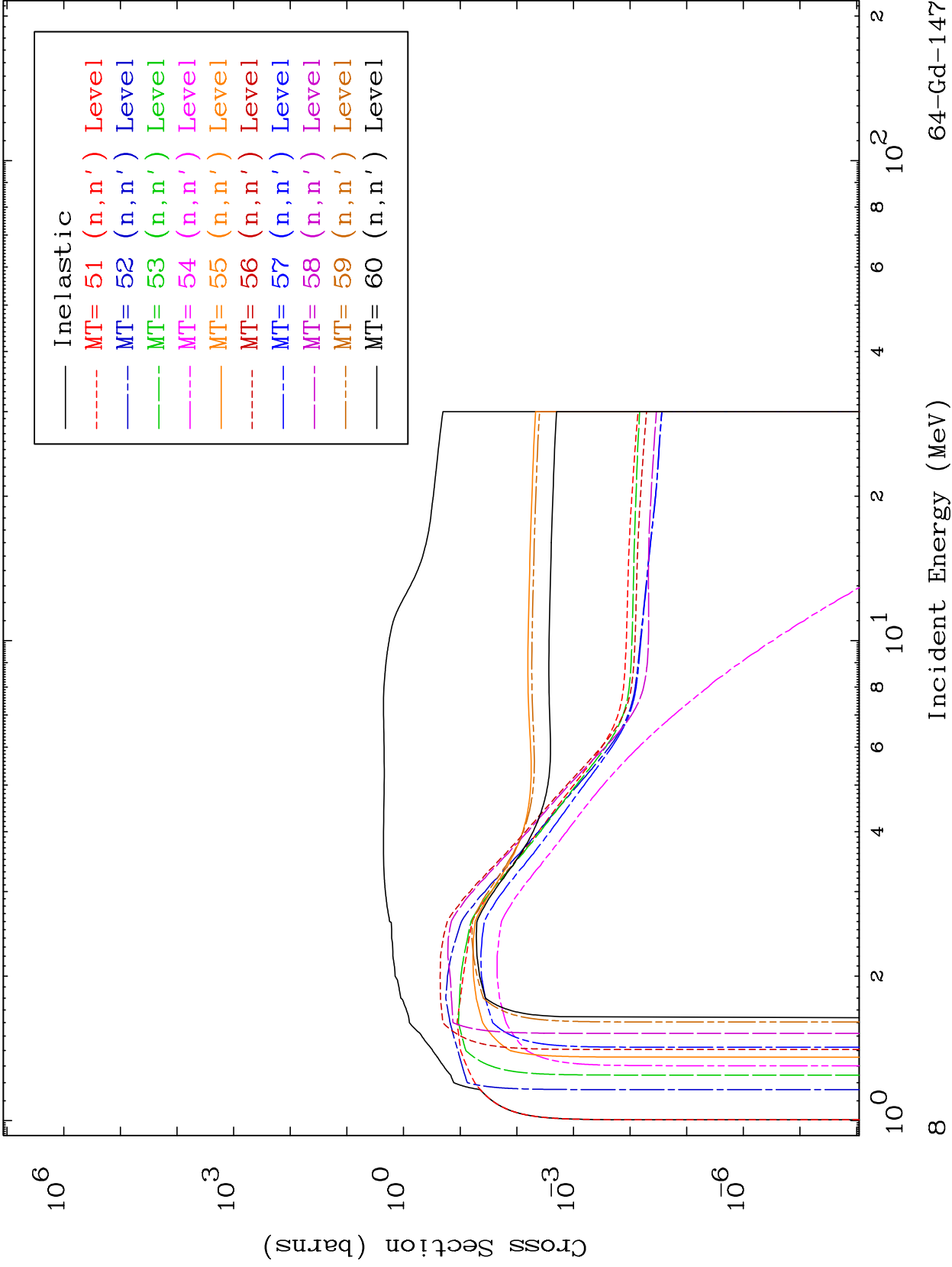


MAT 6410

(n,n') Levels

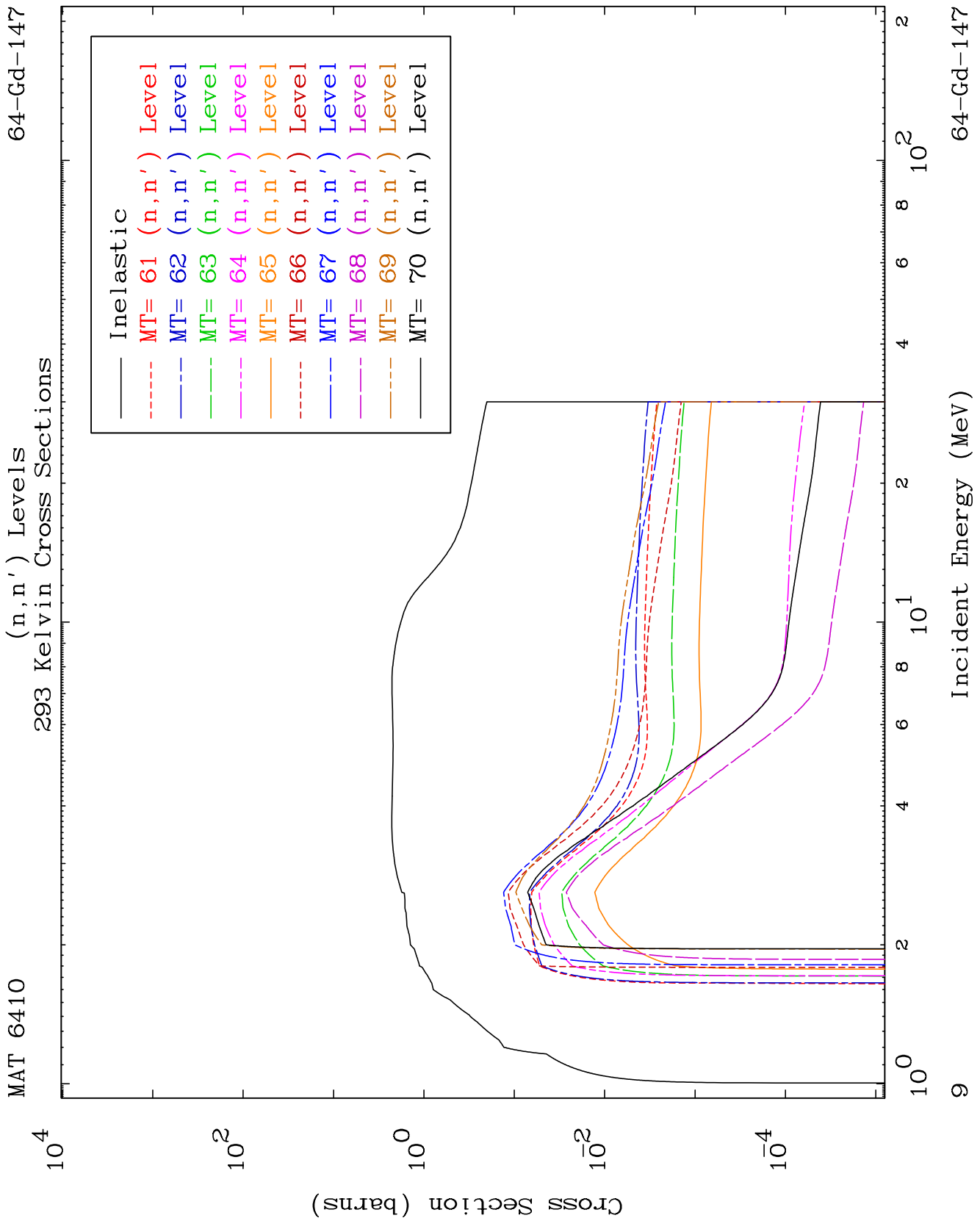
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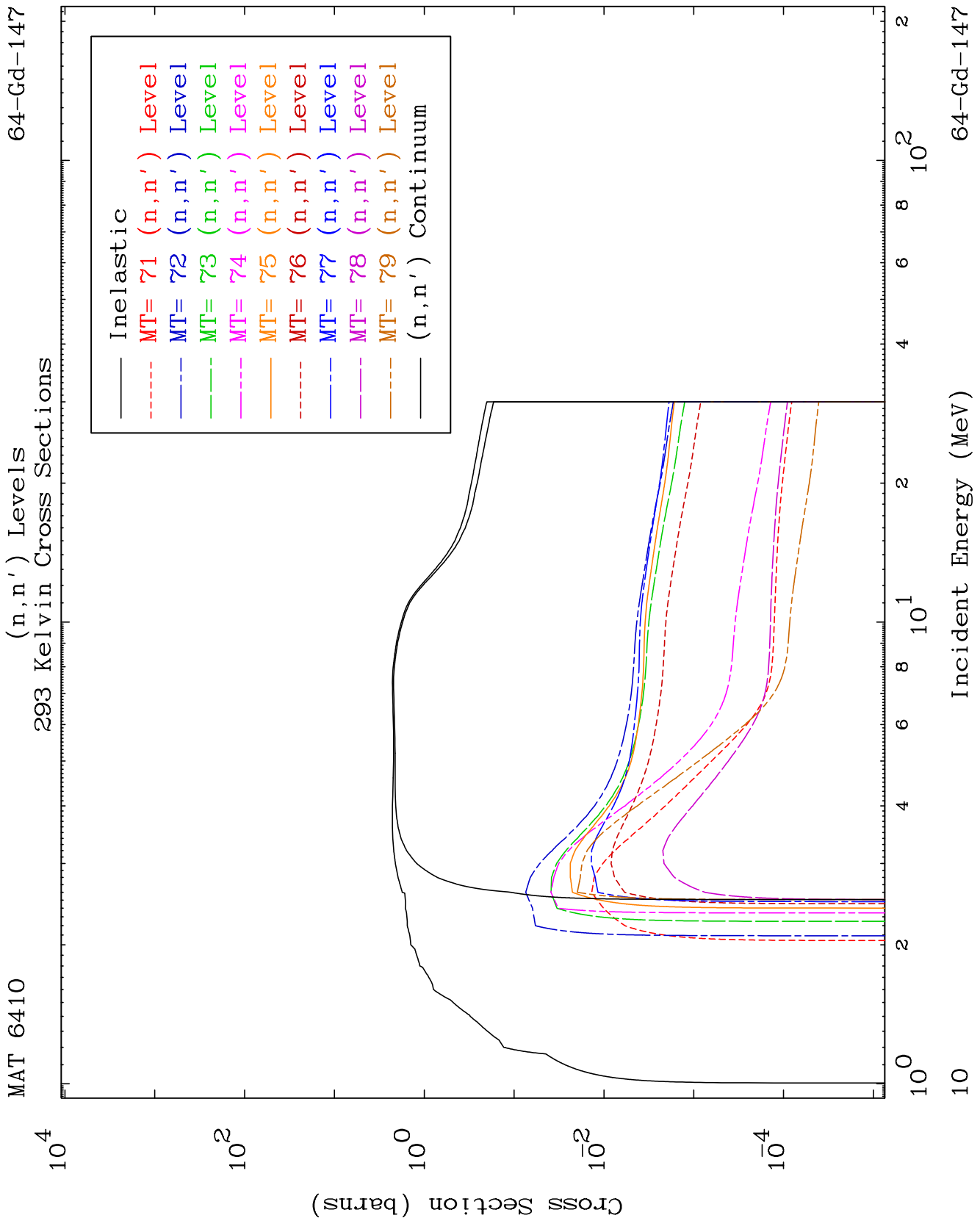
293 Kelvin Cross Sections

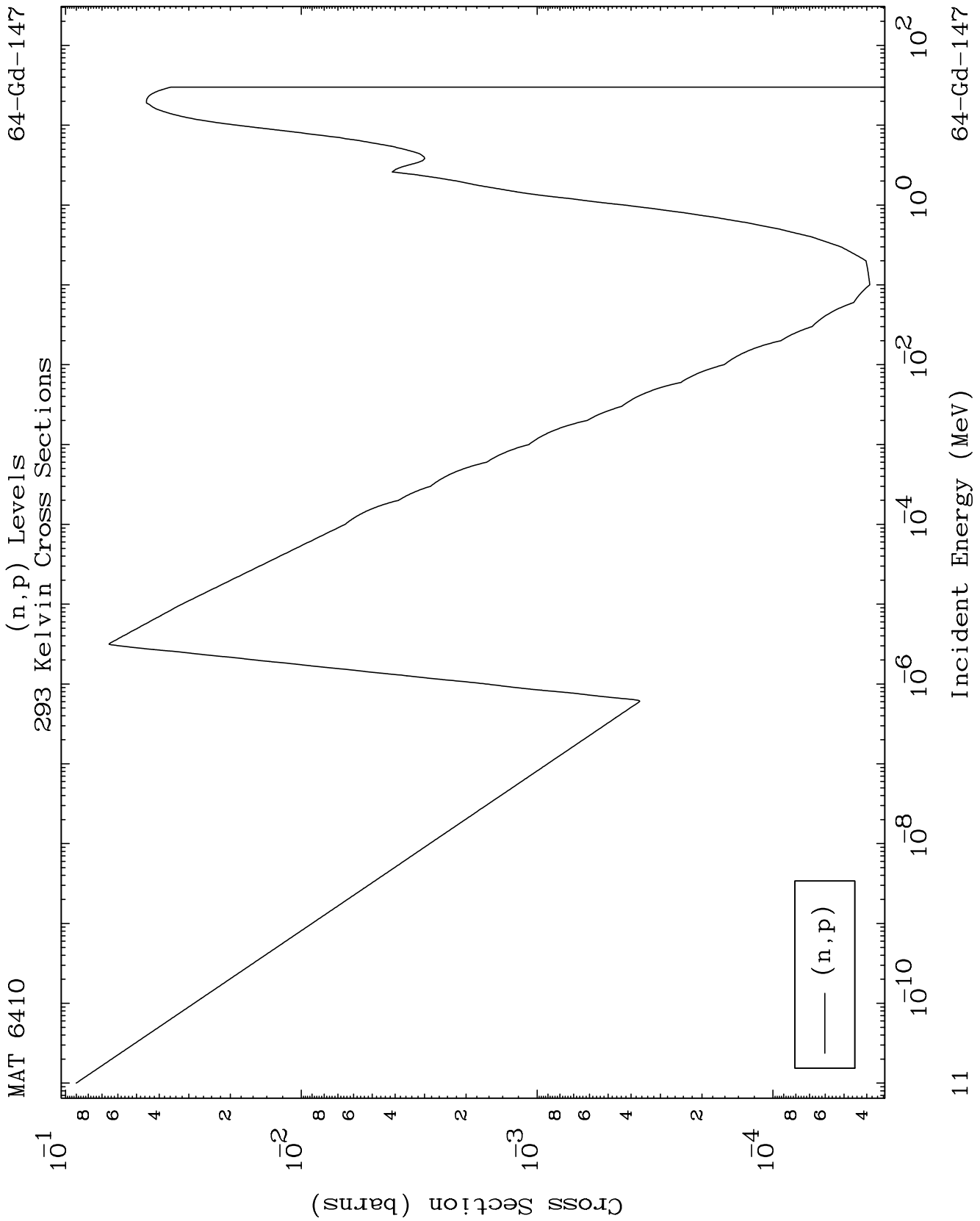


Incident Energy (MeV)

64-Gd-147



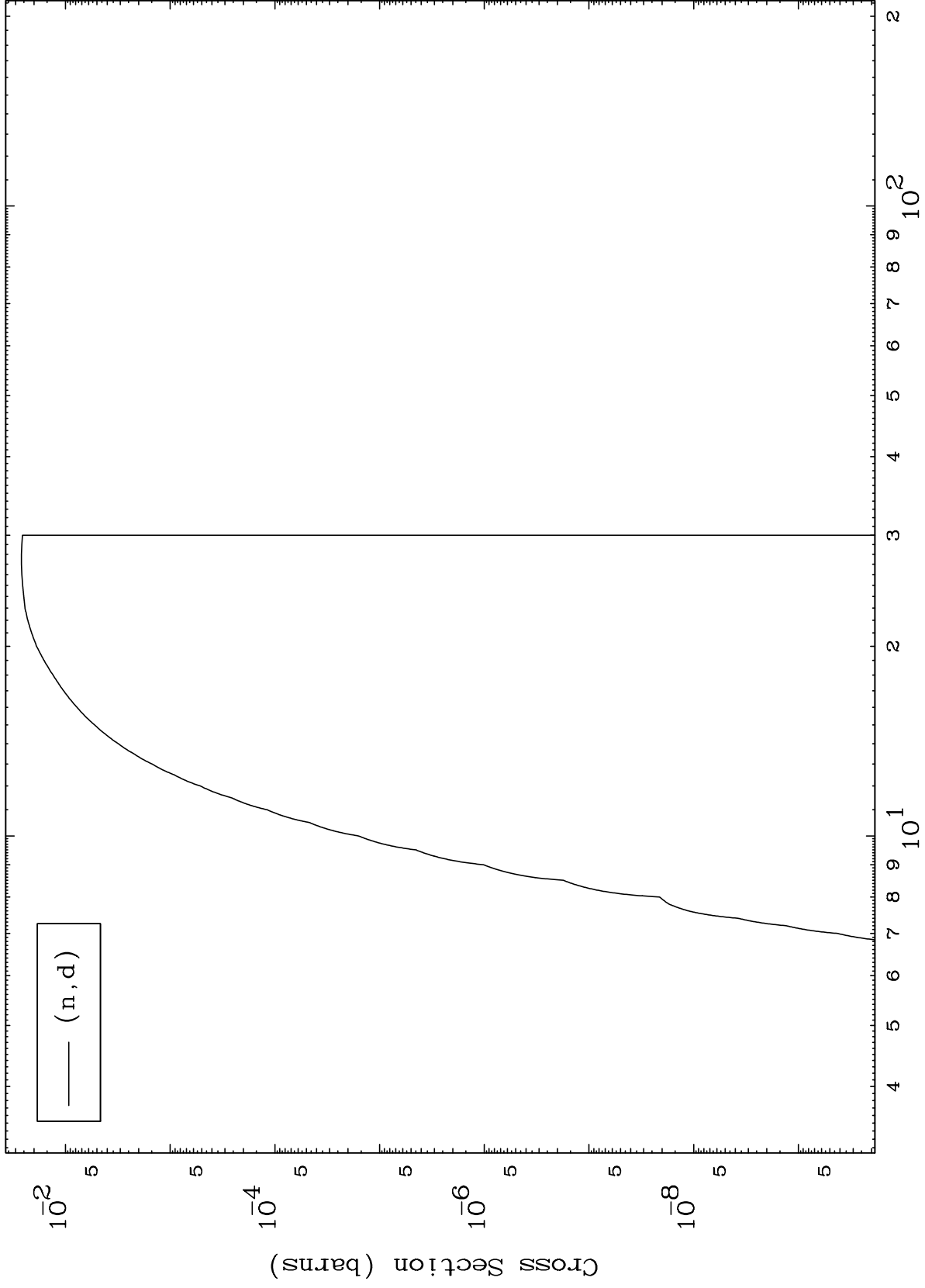




MAT 6410

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-147



12

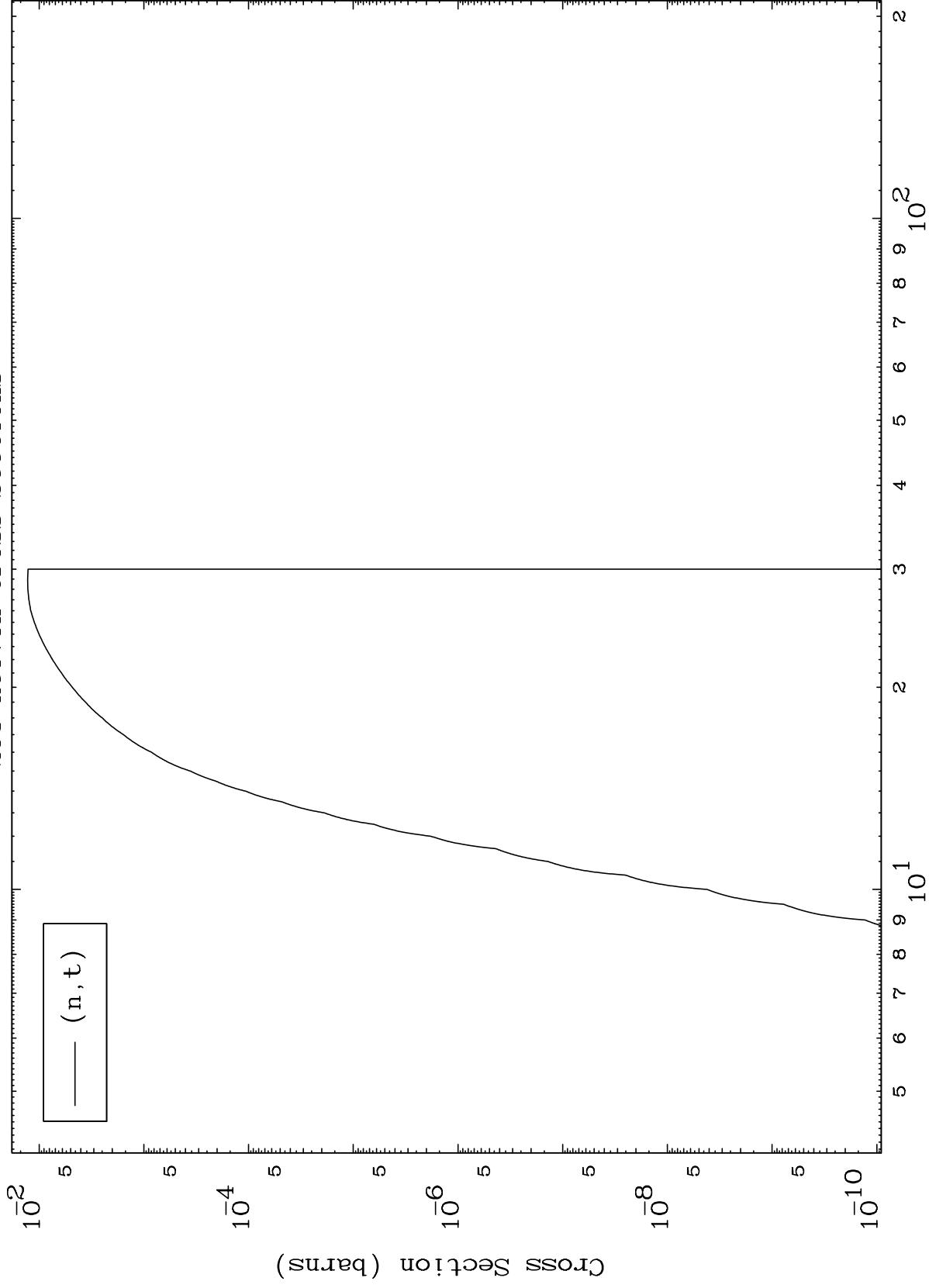
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-147



13

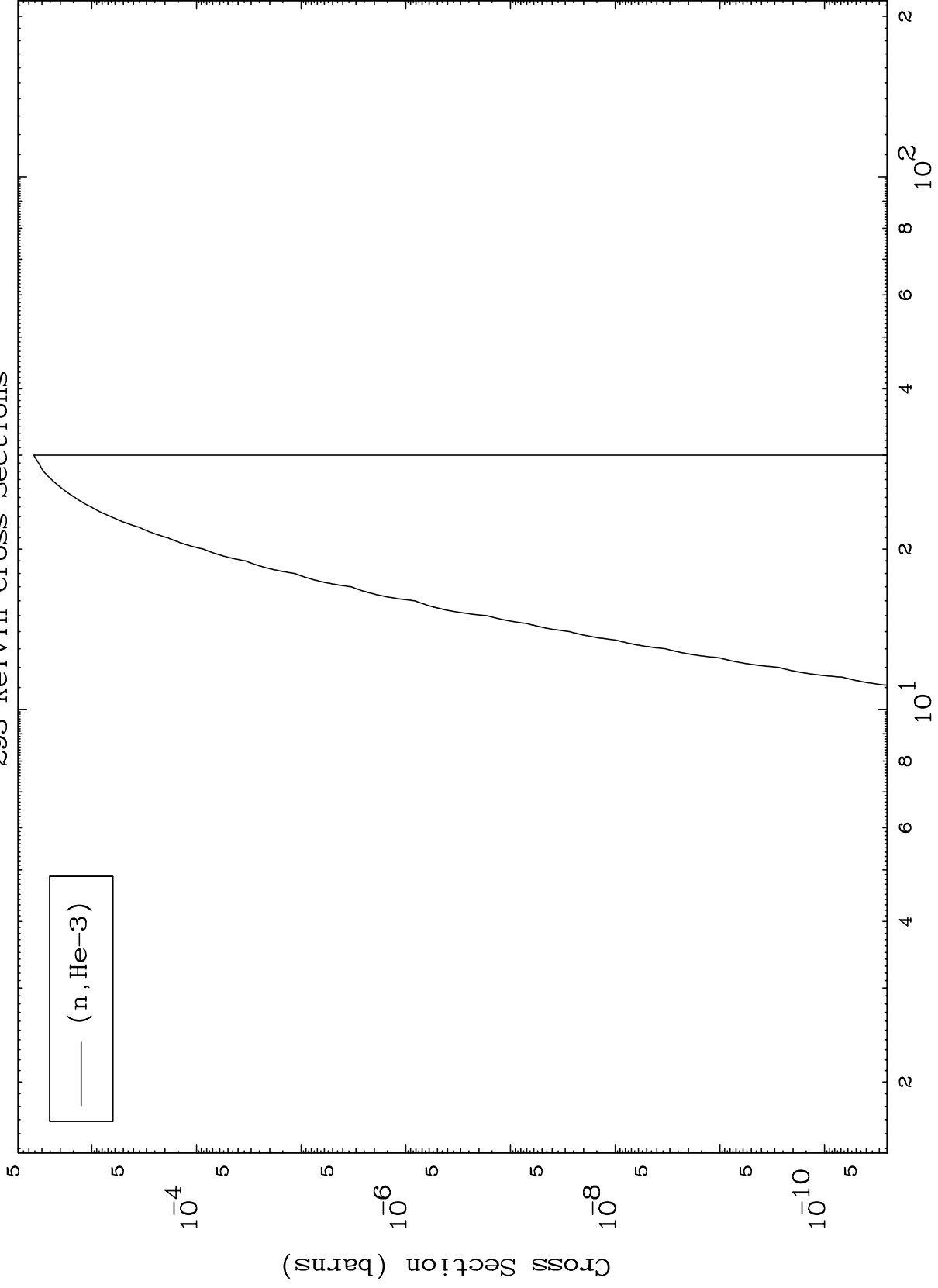
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-147



14

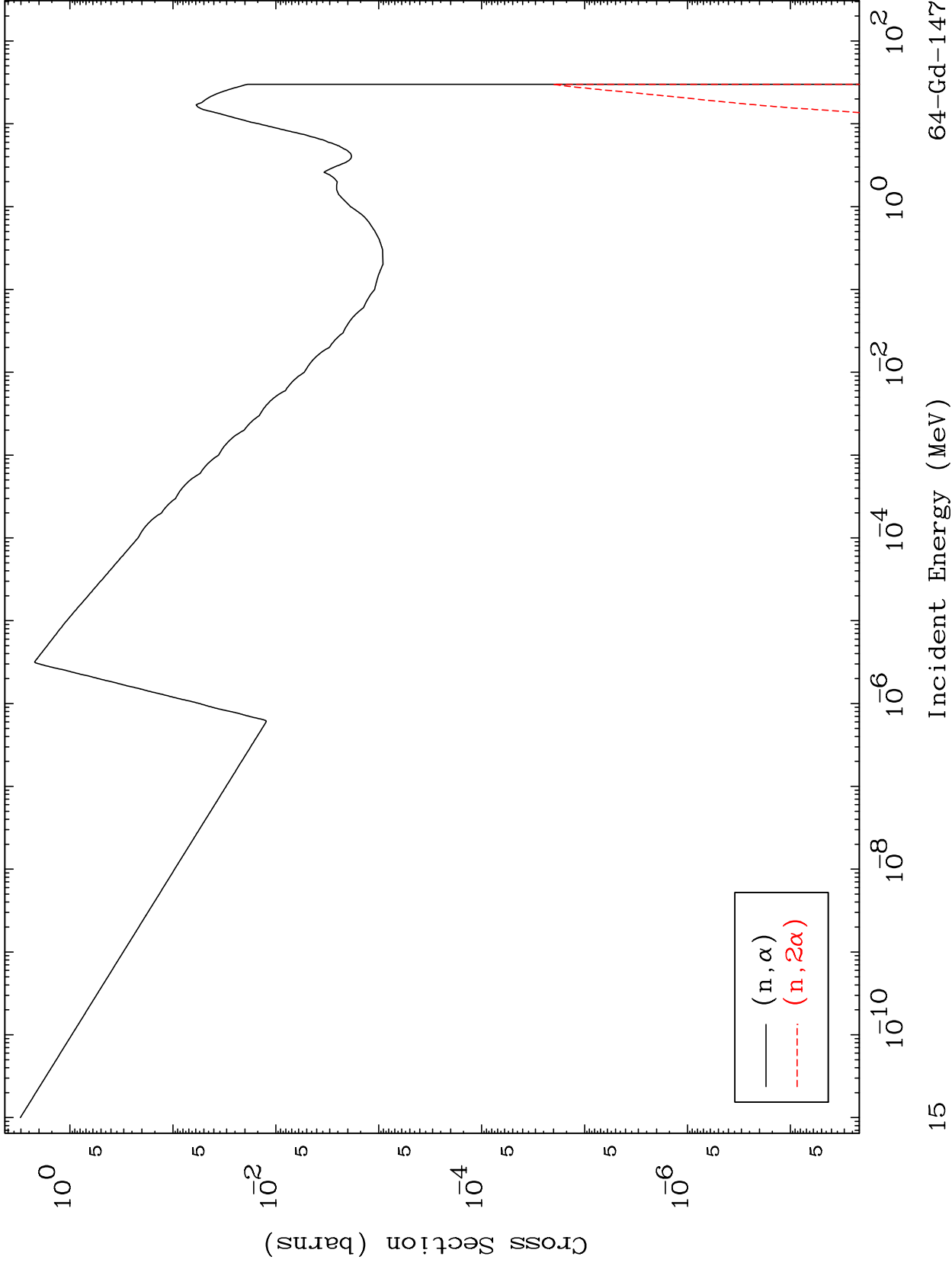
Incident Energy (MeV)

64-Gd-147

MAT 6410

(n,α) Levels
293 Kelvin Cross Sections

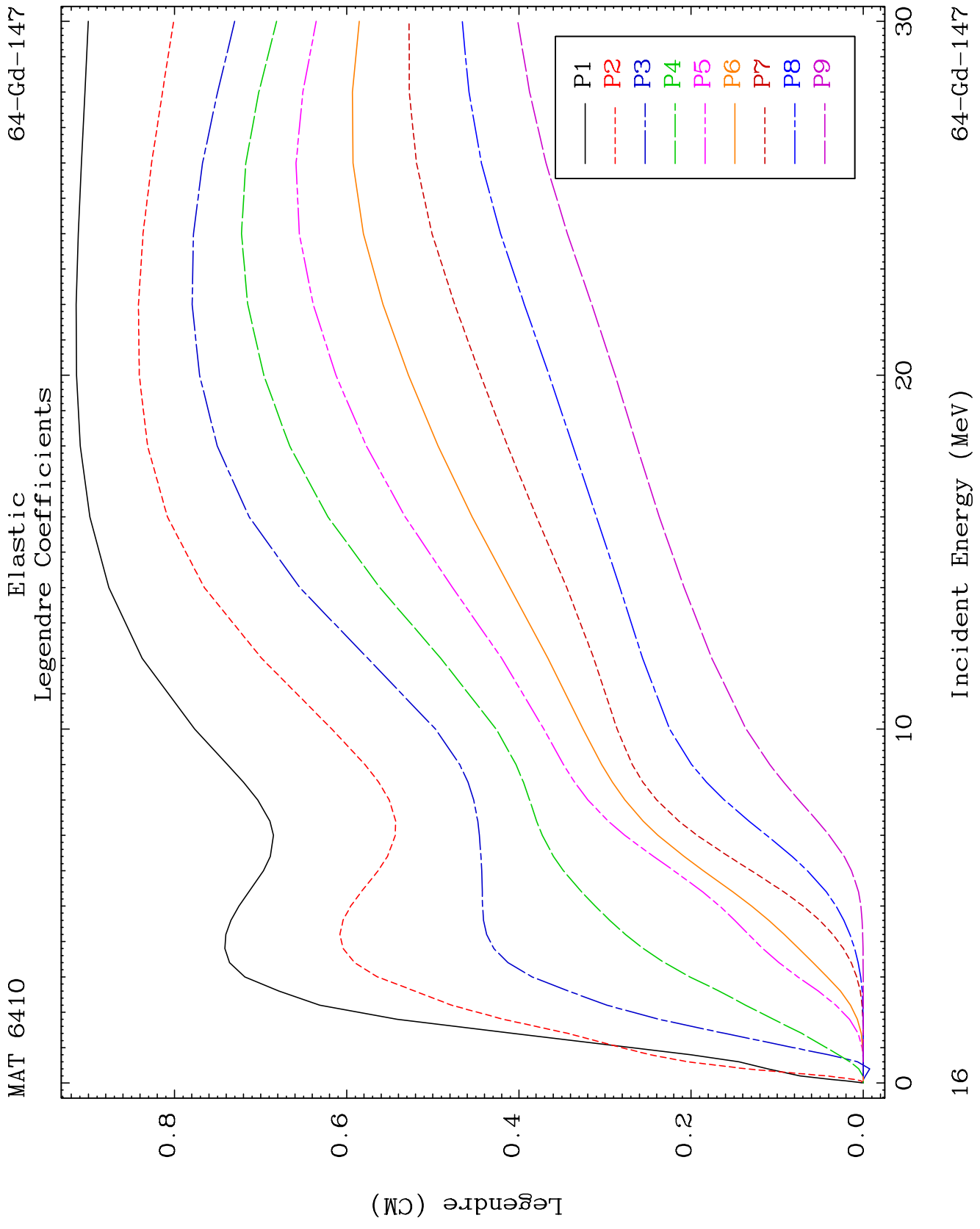
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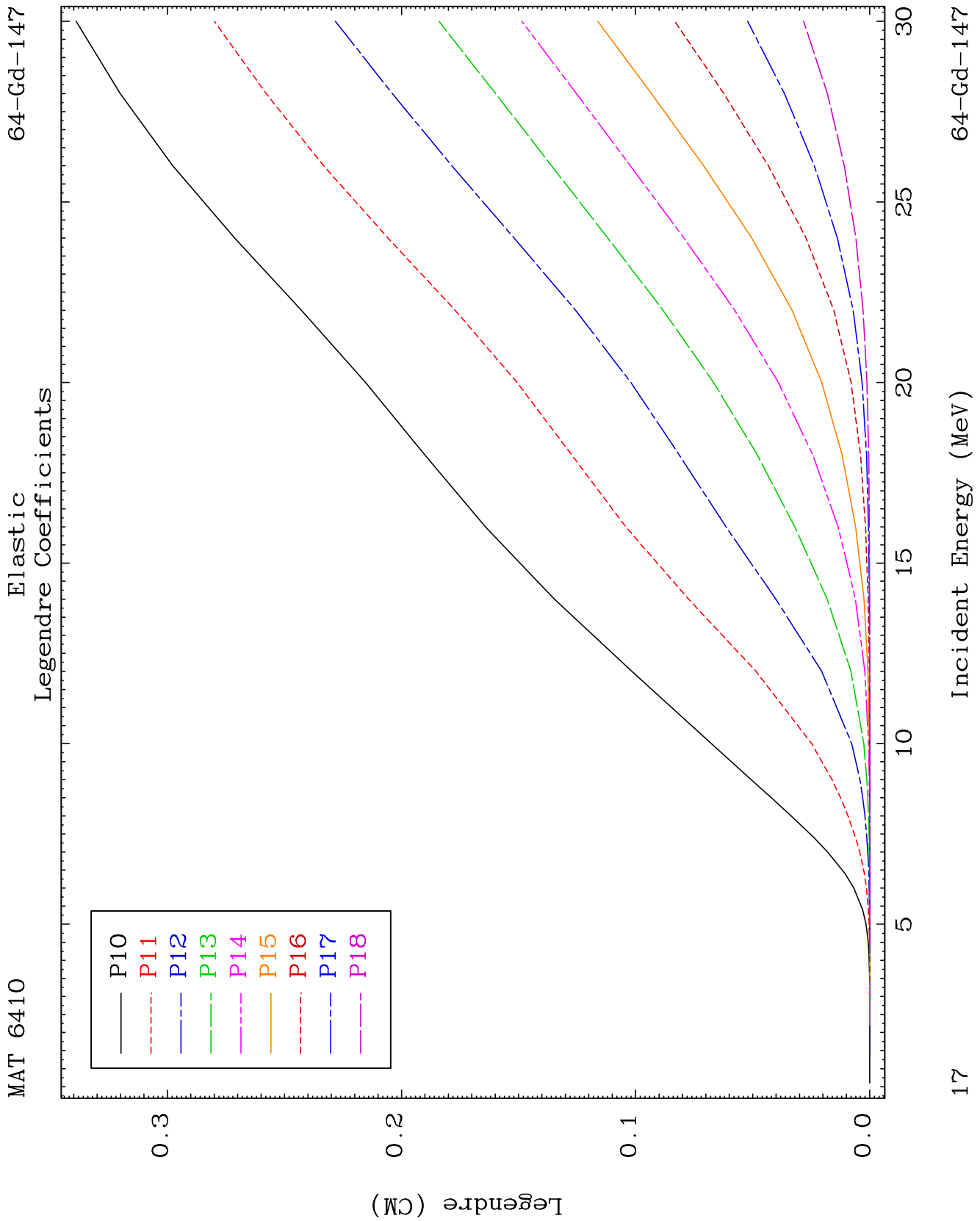


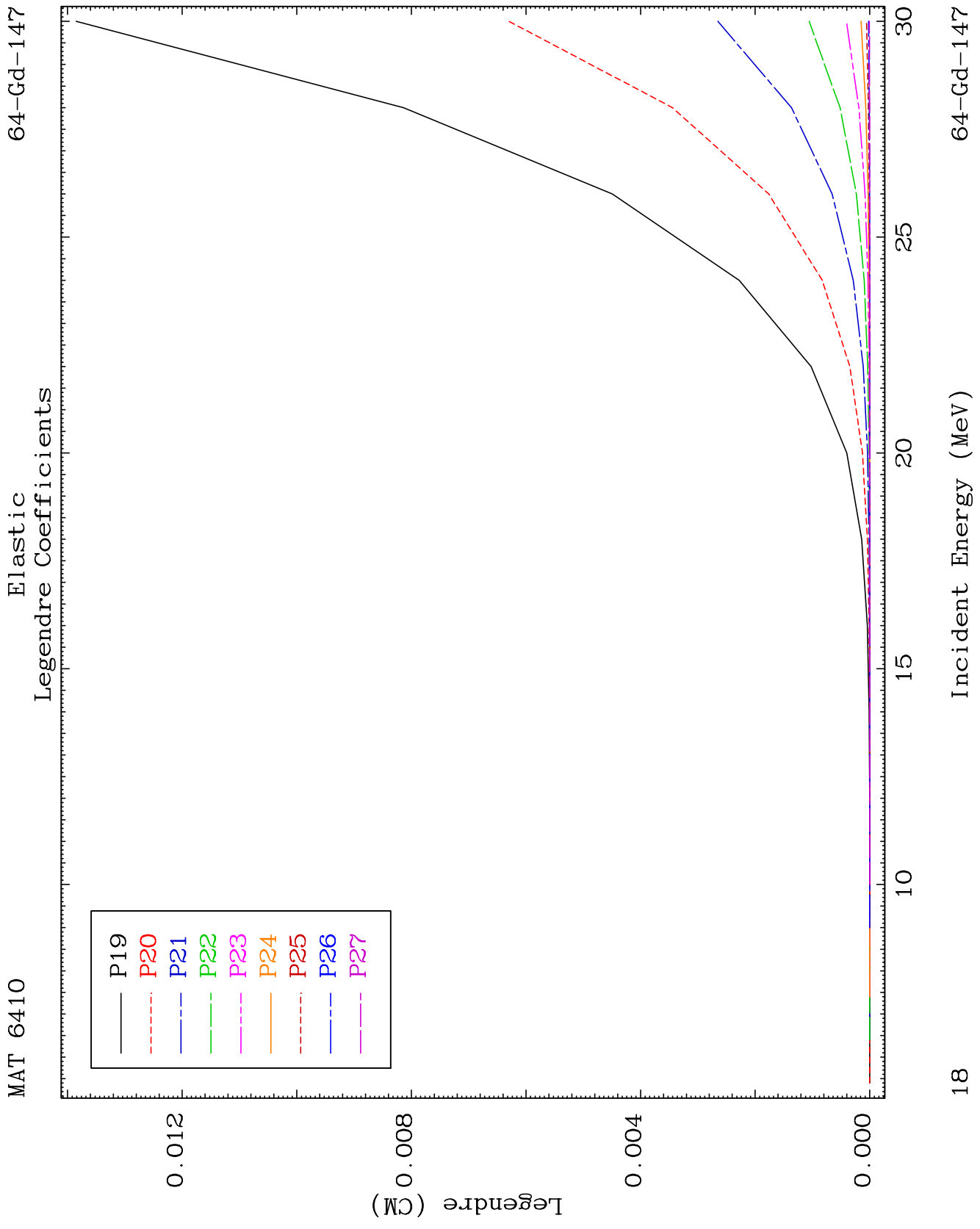
15

Incident Energy (MeV)

64-Gd-147



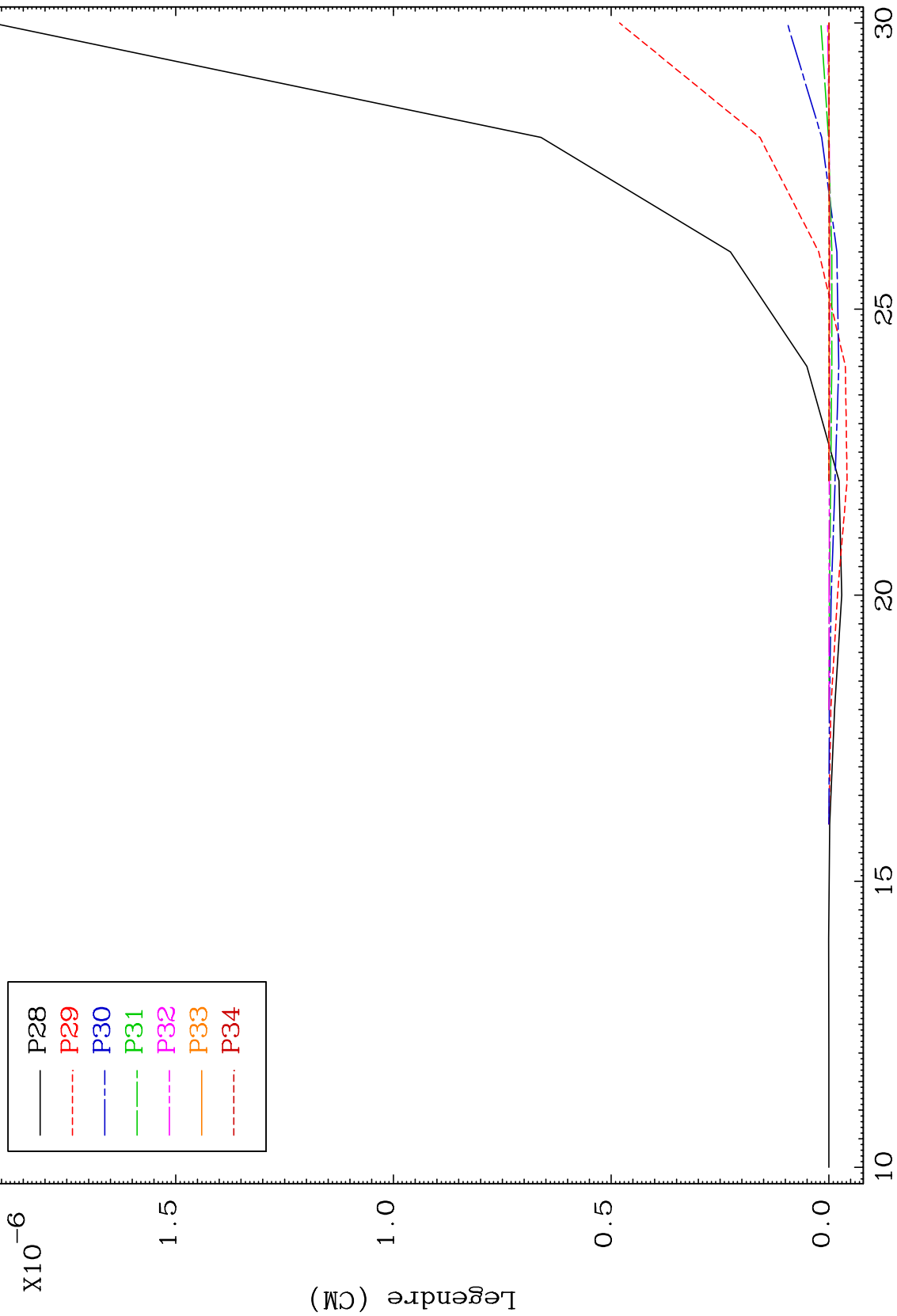
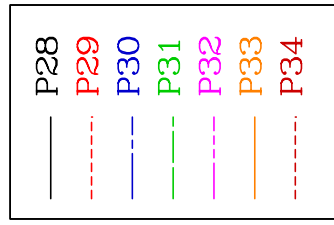




MAT 6410

Elastic
Legendre Coefficients

64-Gd-147



19

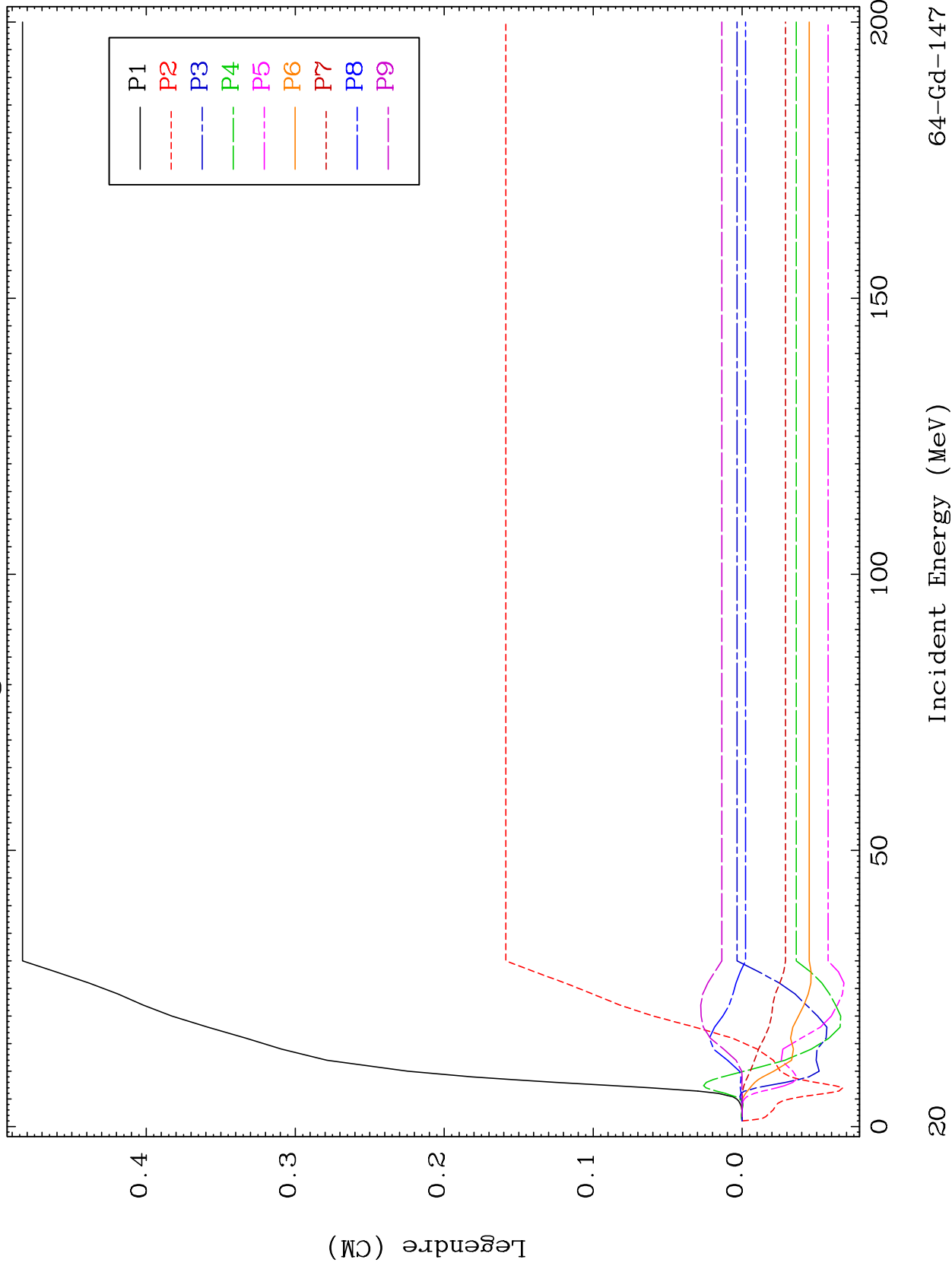
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

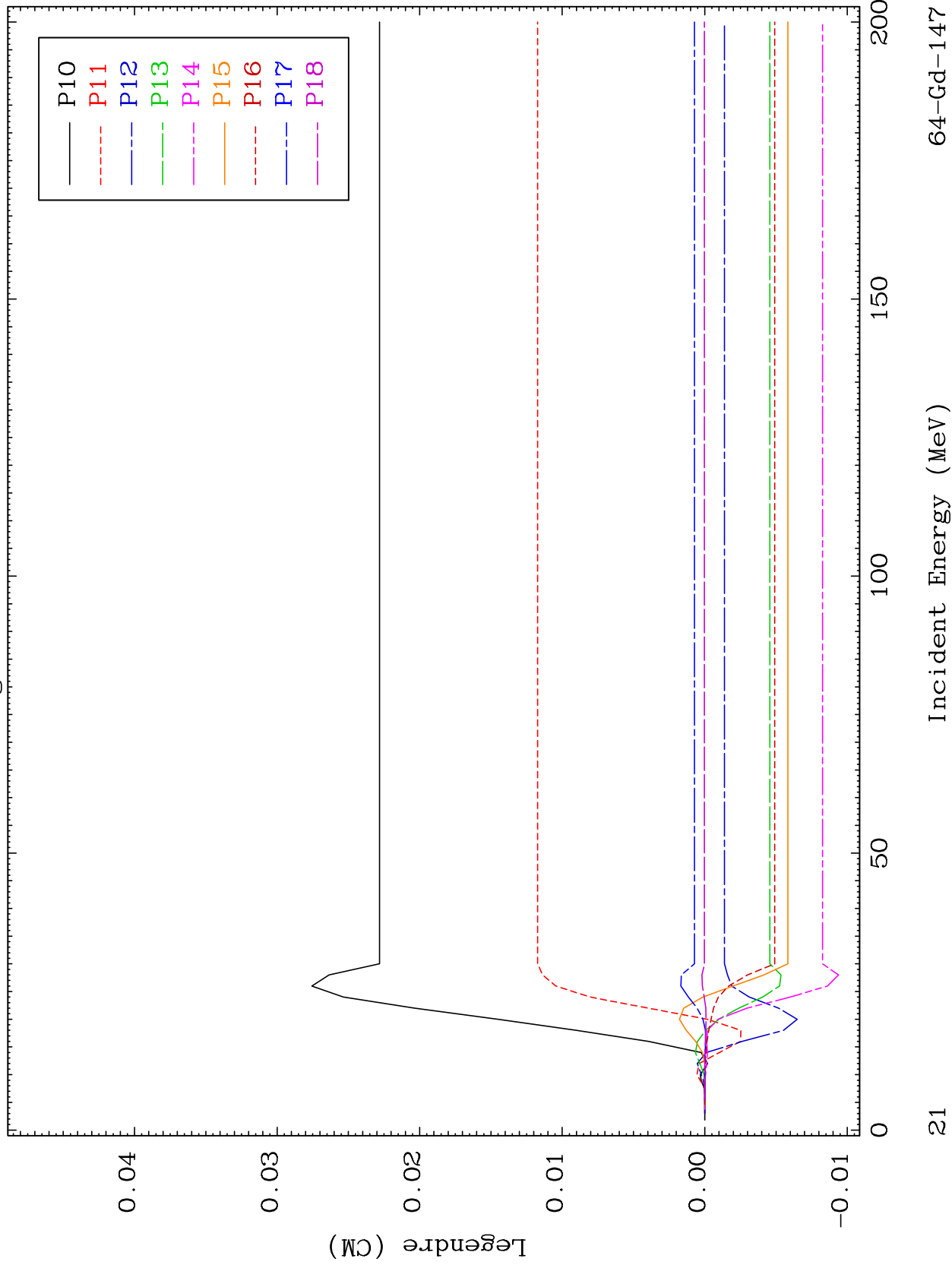
Incident Energy (MeV)

20

MAT 6410

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

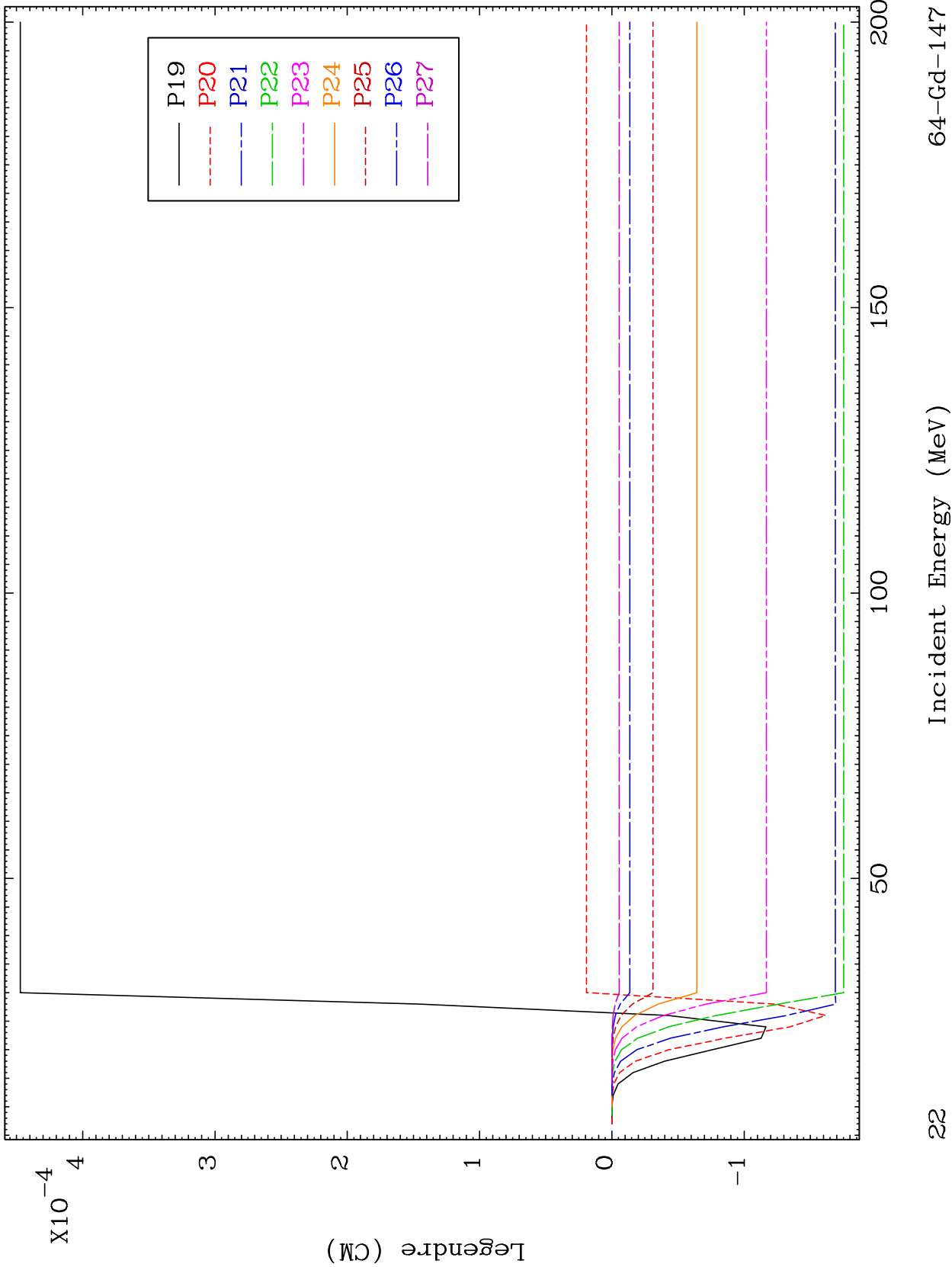
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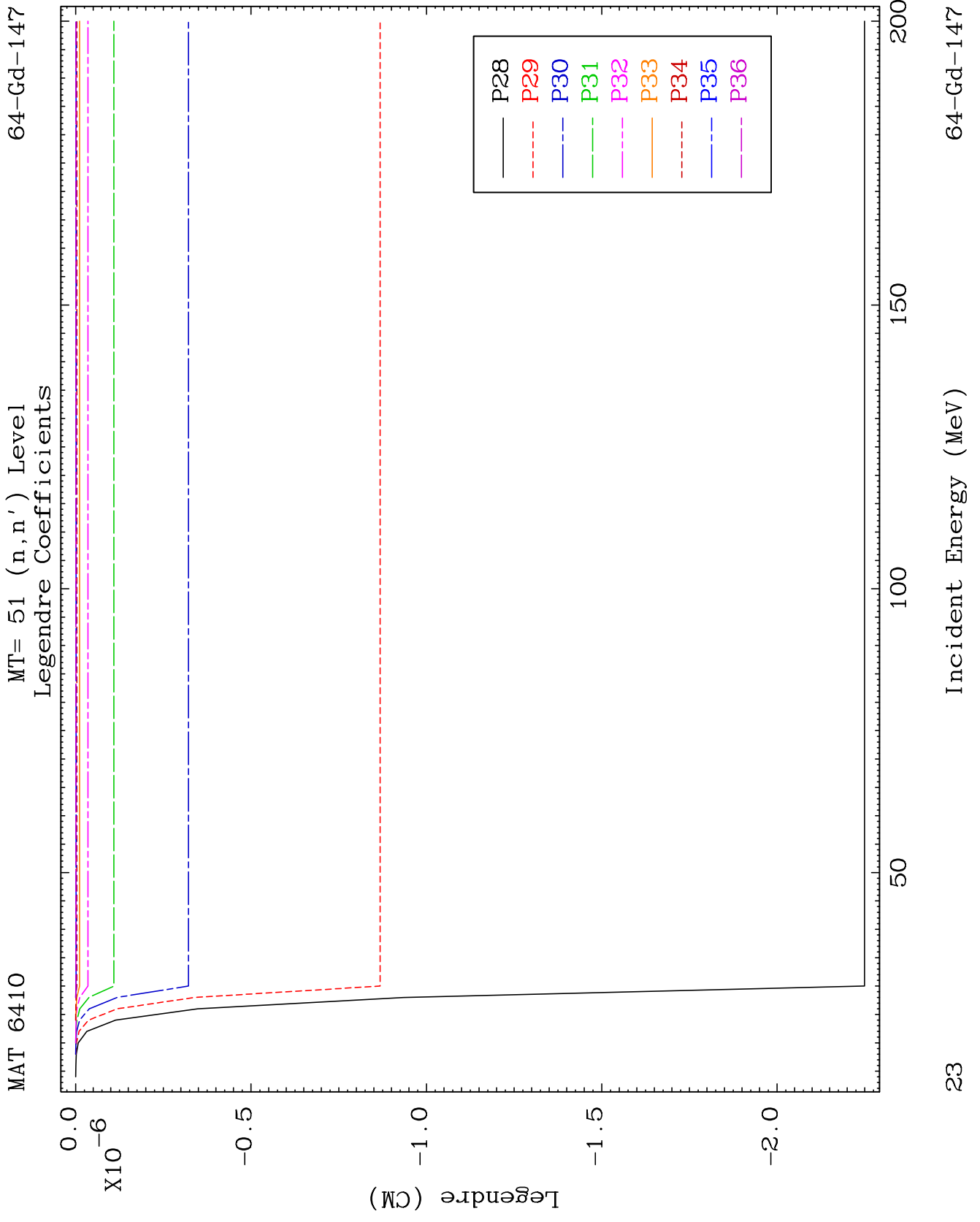


64-Gd-147

Incident Energy (MeV)

21

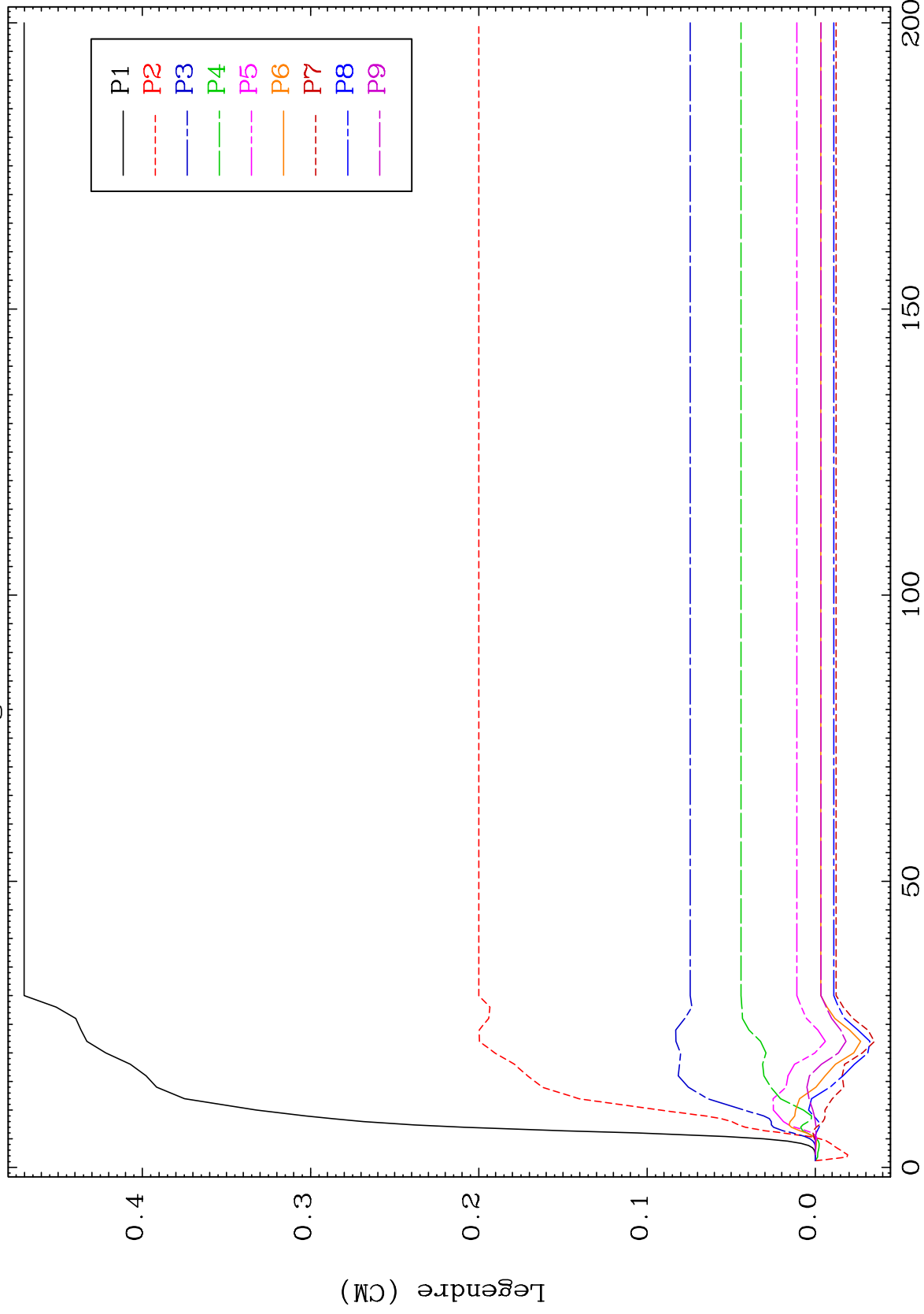




MAT 6410

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

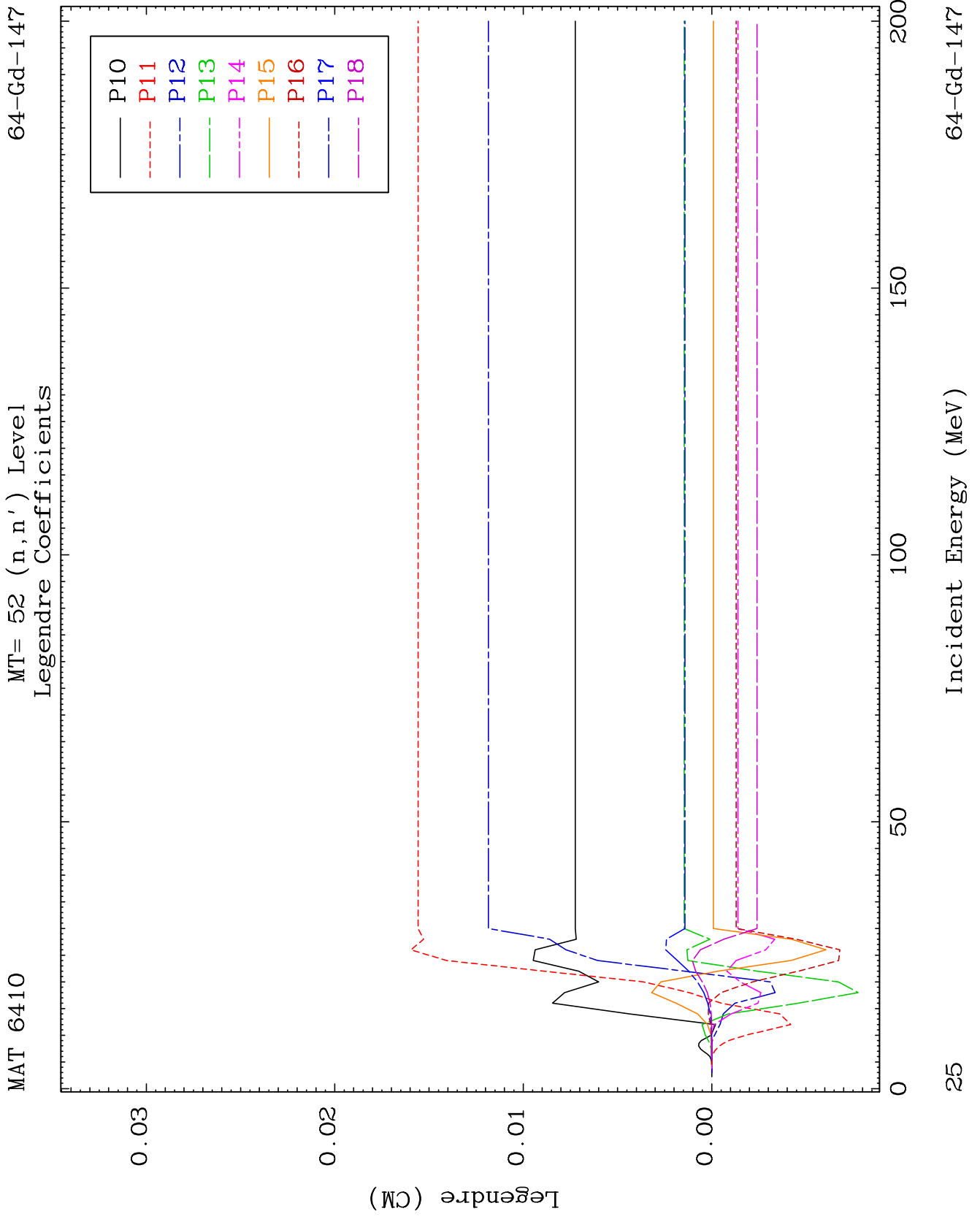
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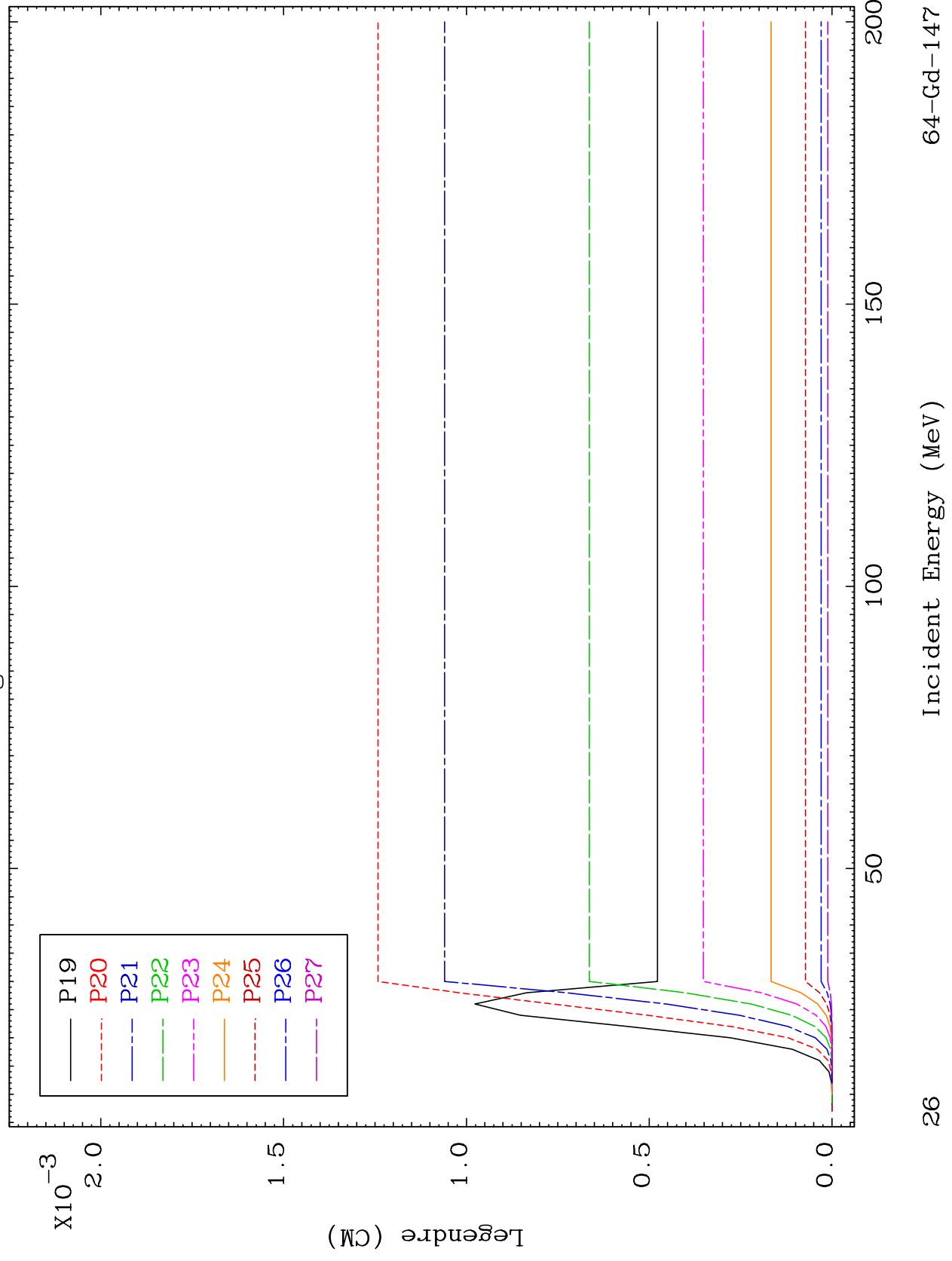


24

Incident Energy (MeV)

64-Gd-147

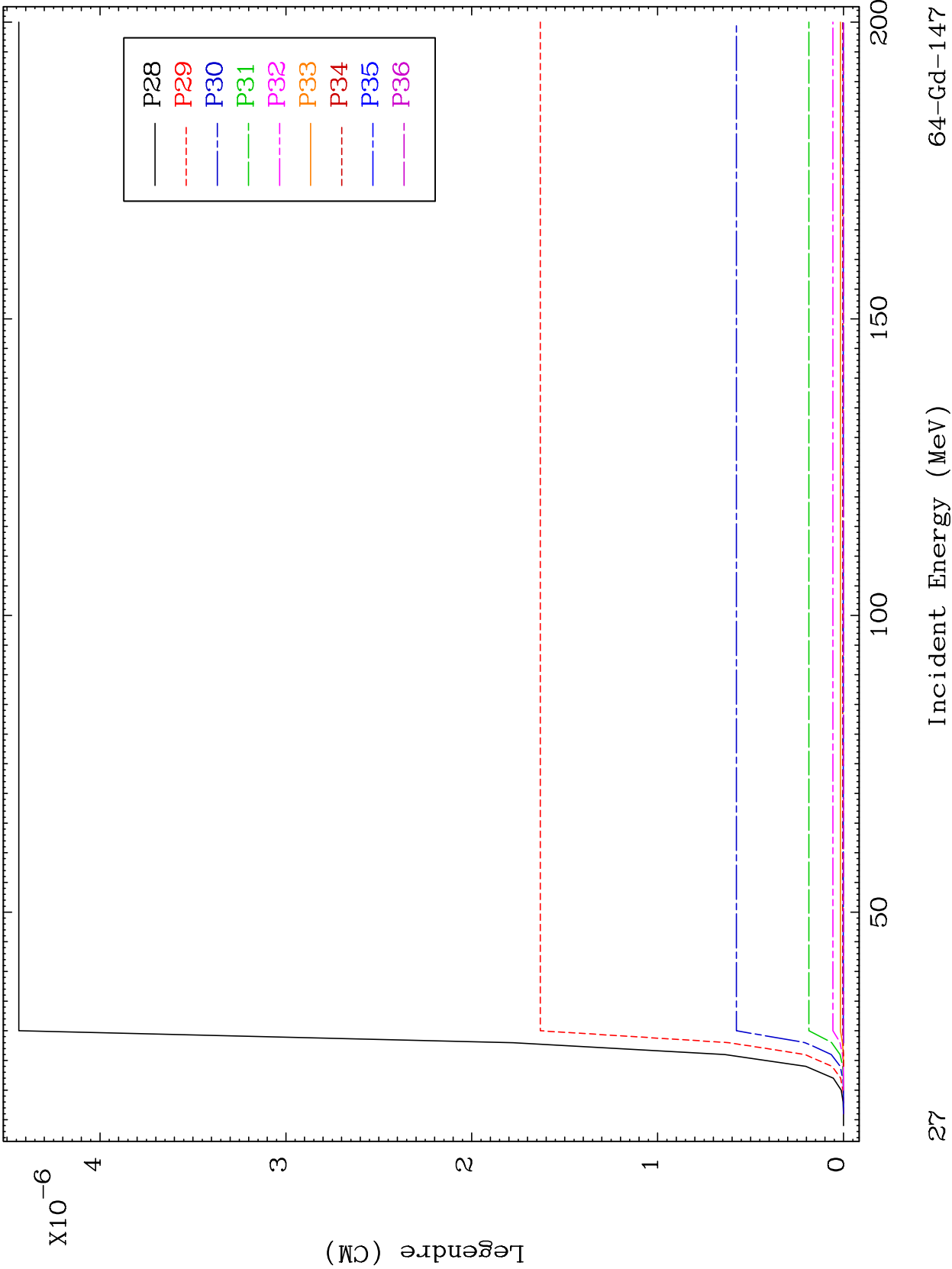




MAT 6410

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

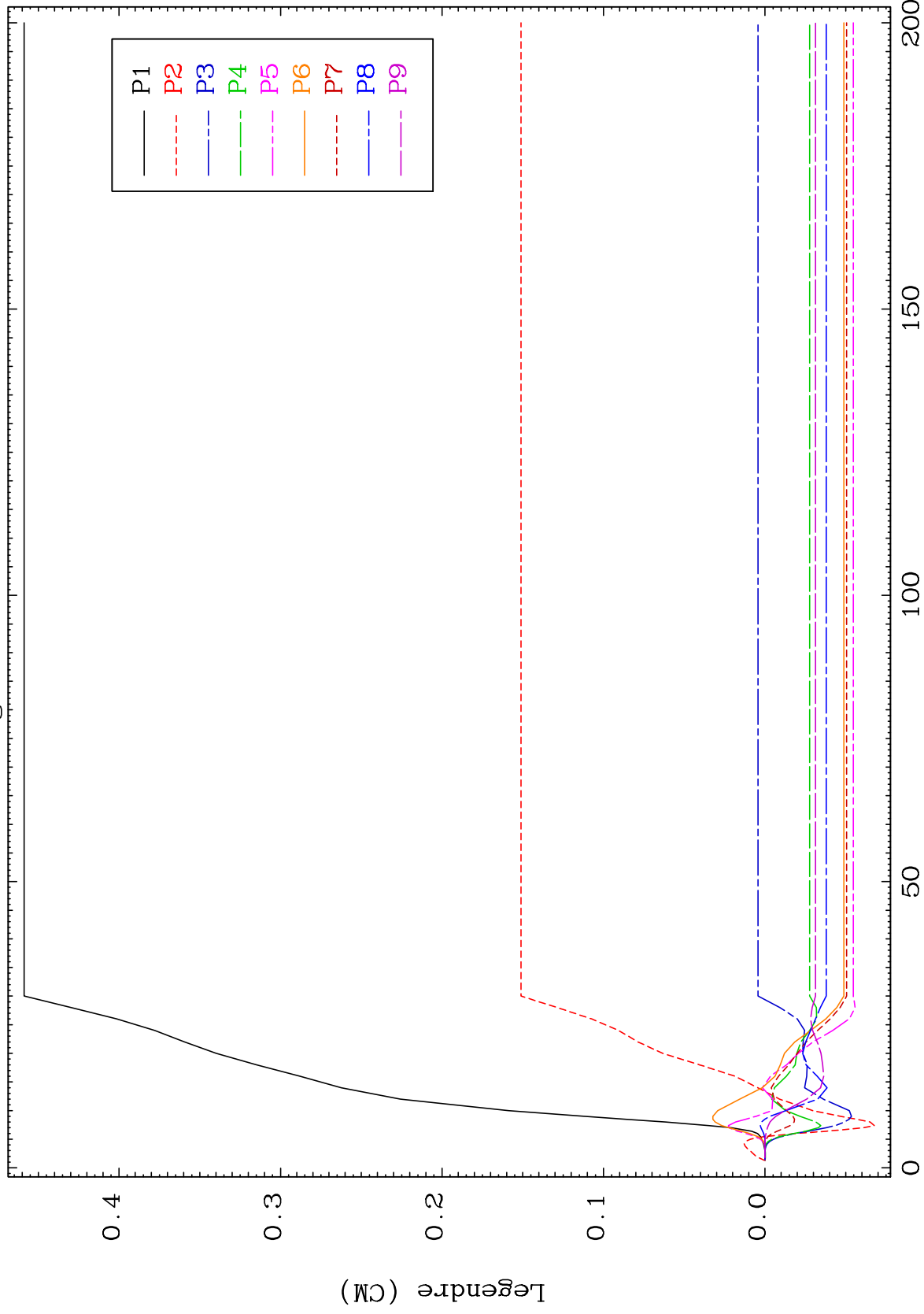
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MAT 6410

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

64-Gd-147



28

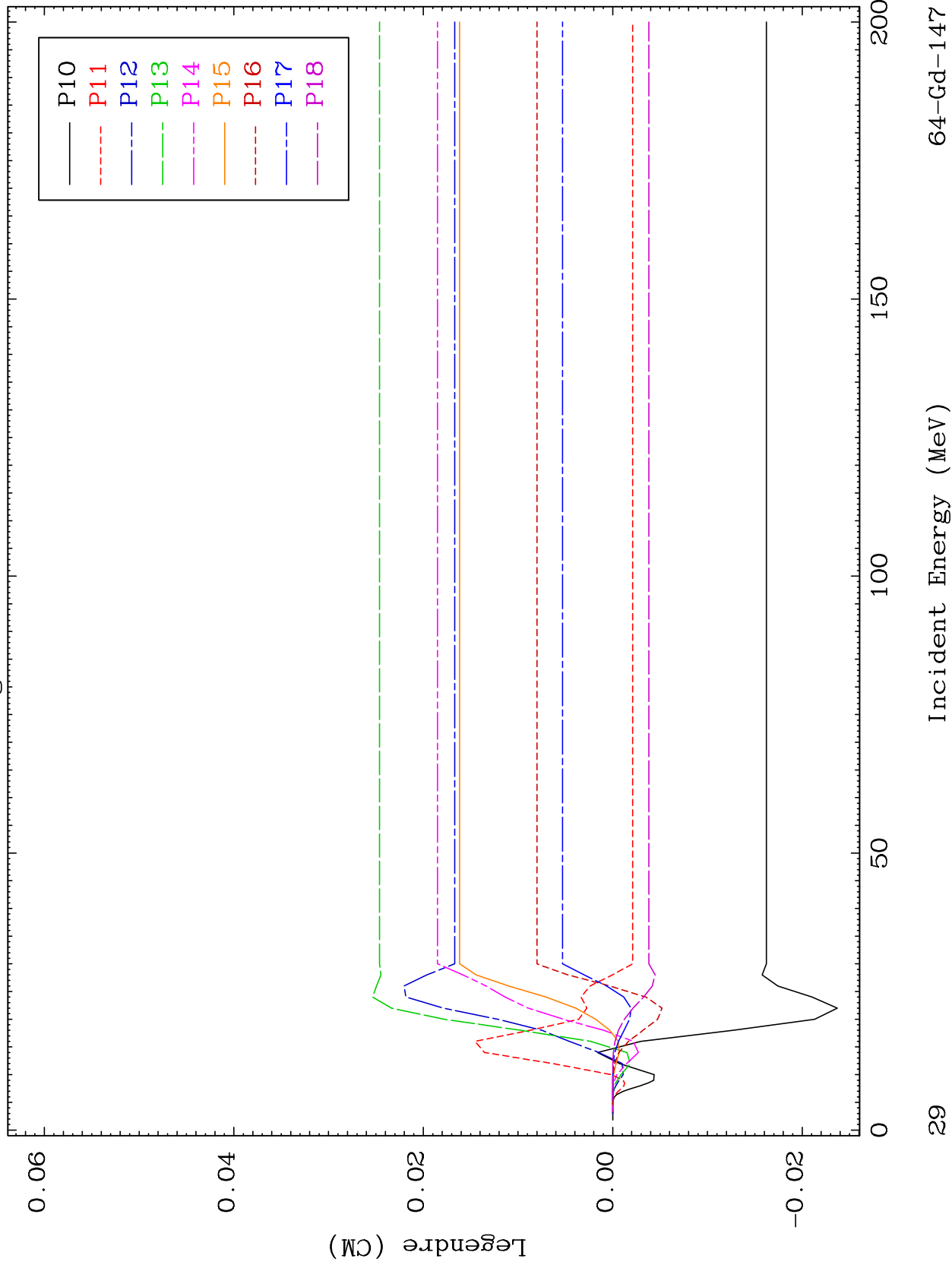
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



29

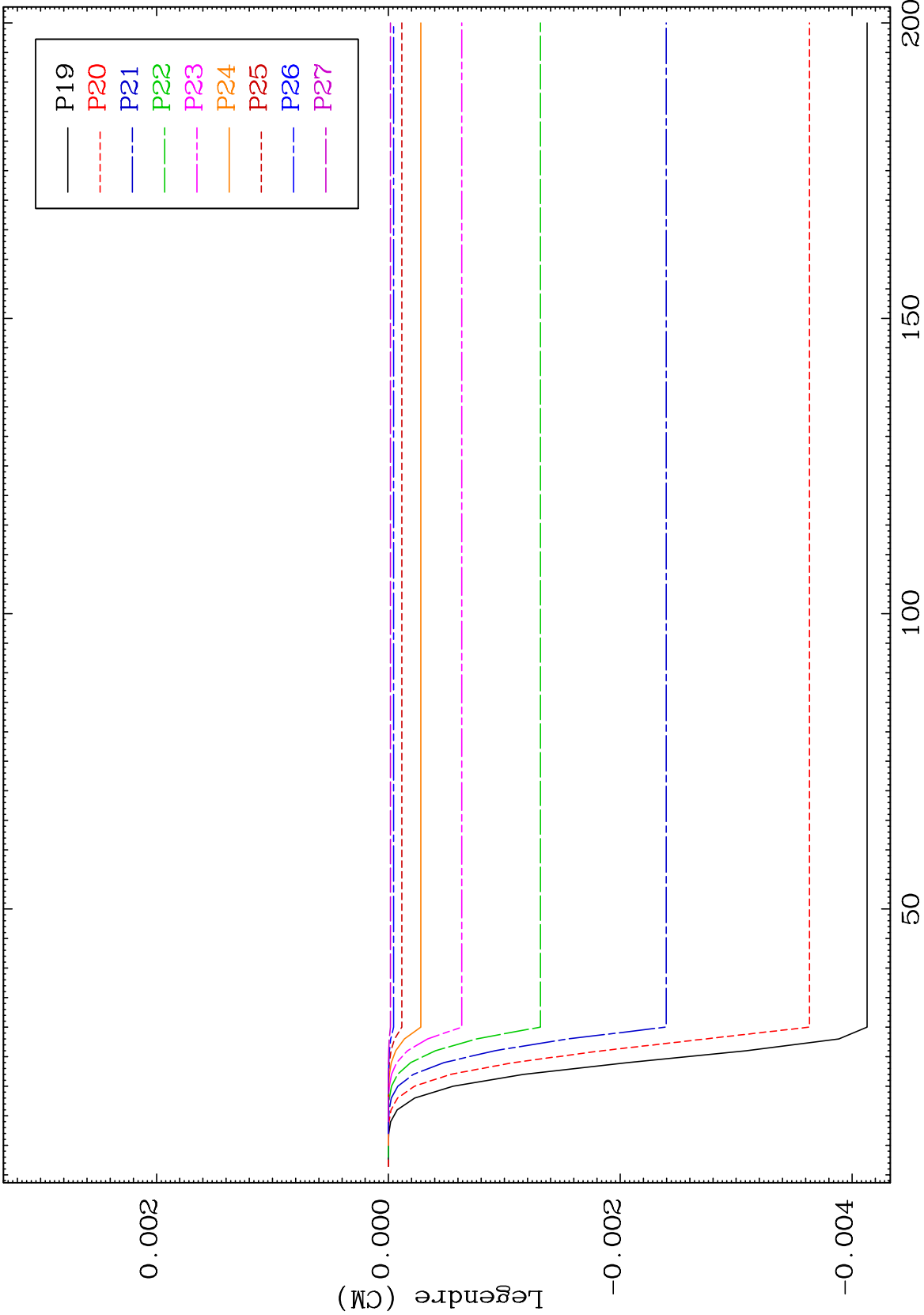
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



30

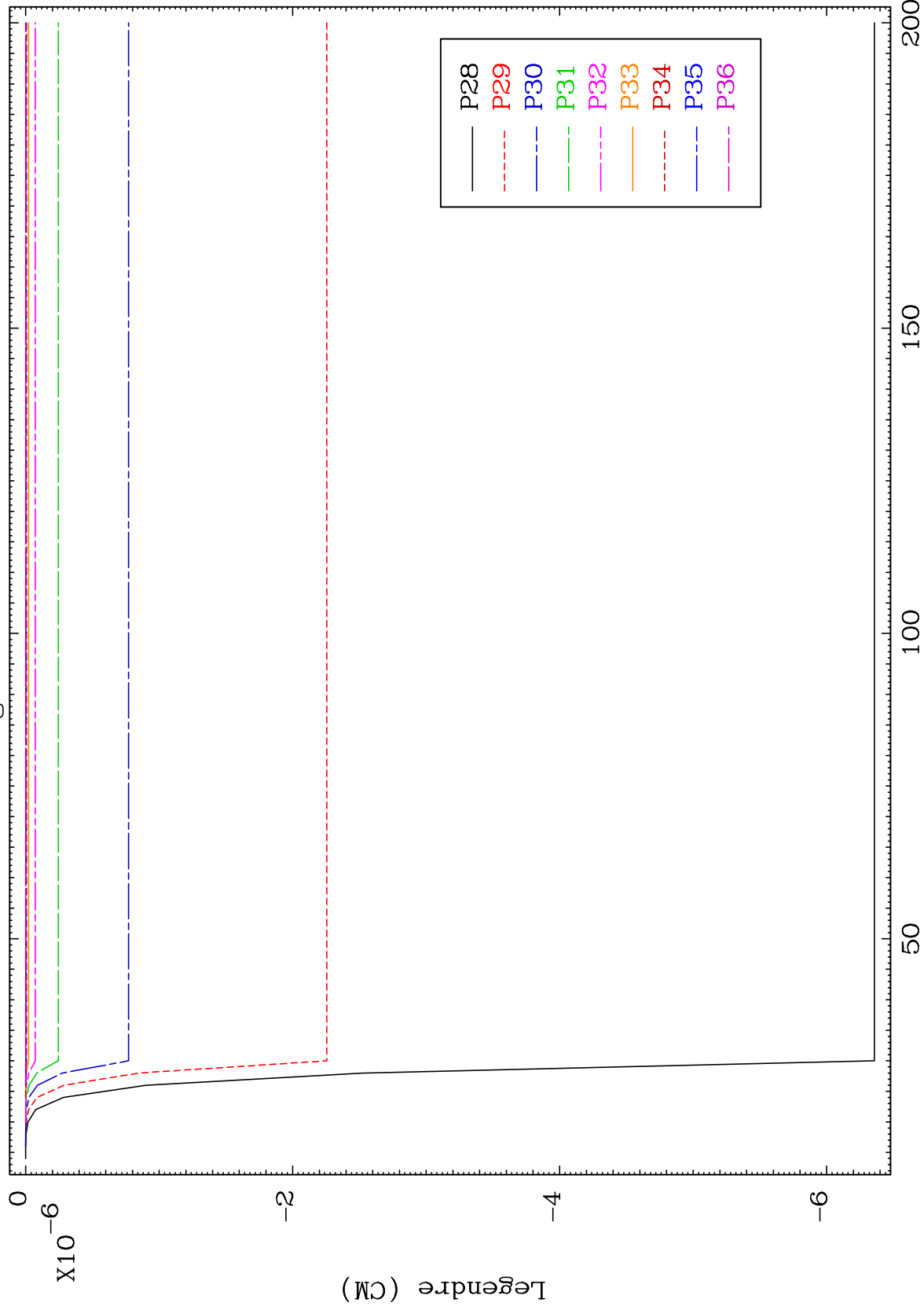
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

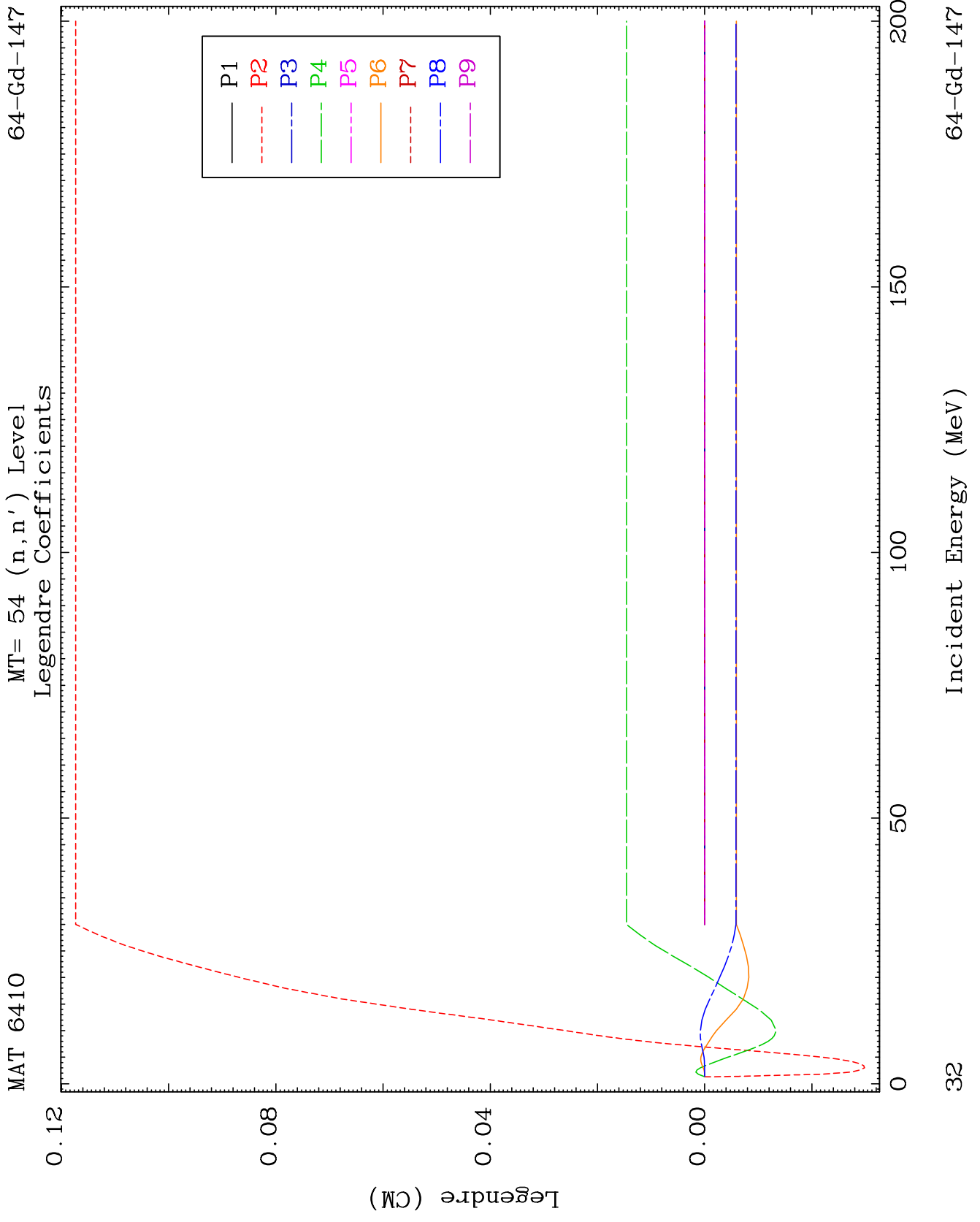
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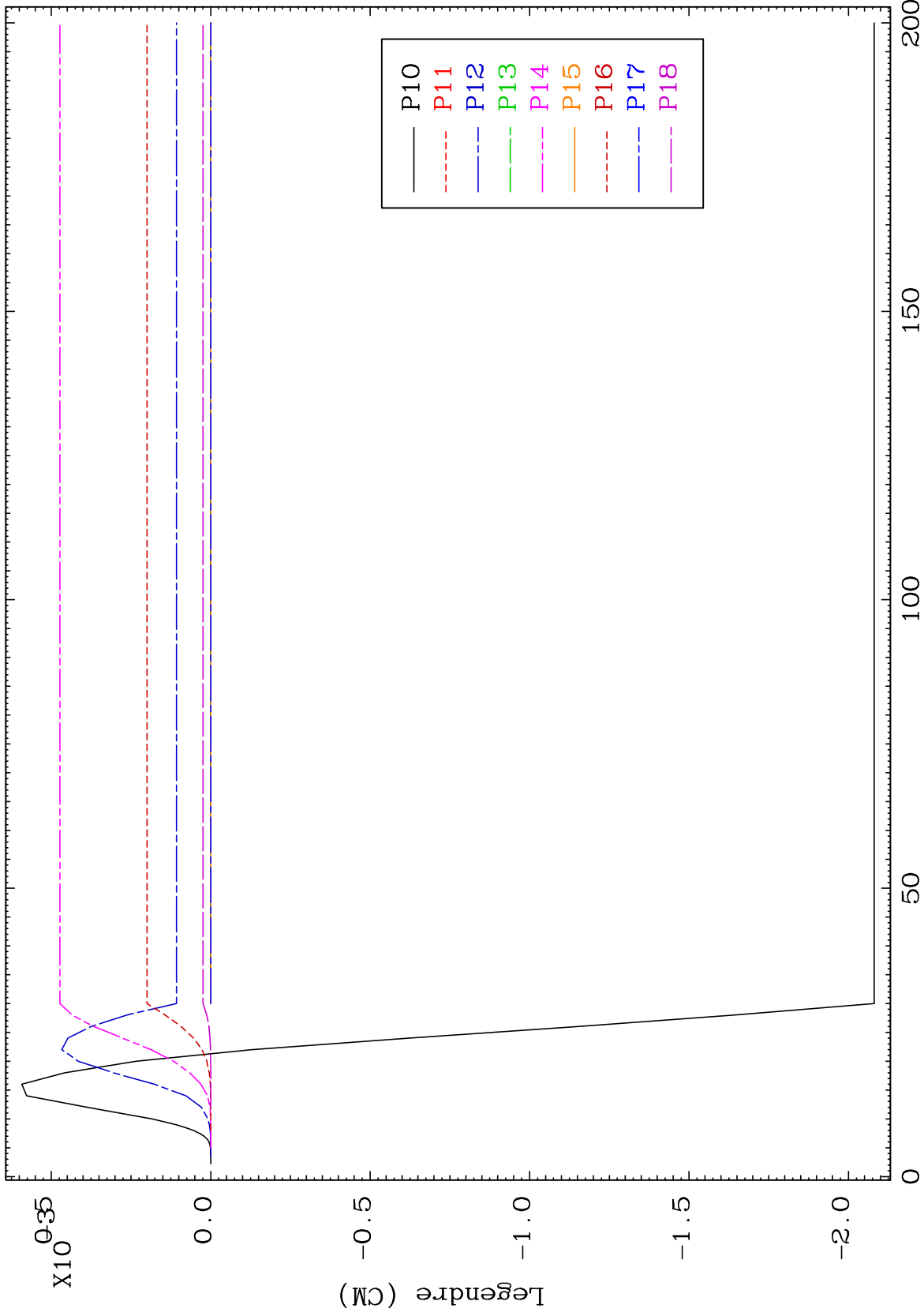


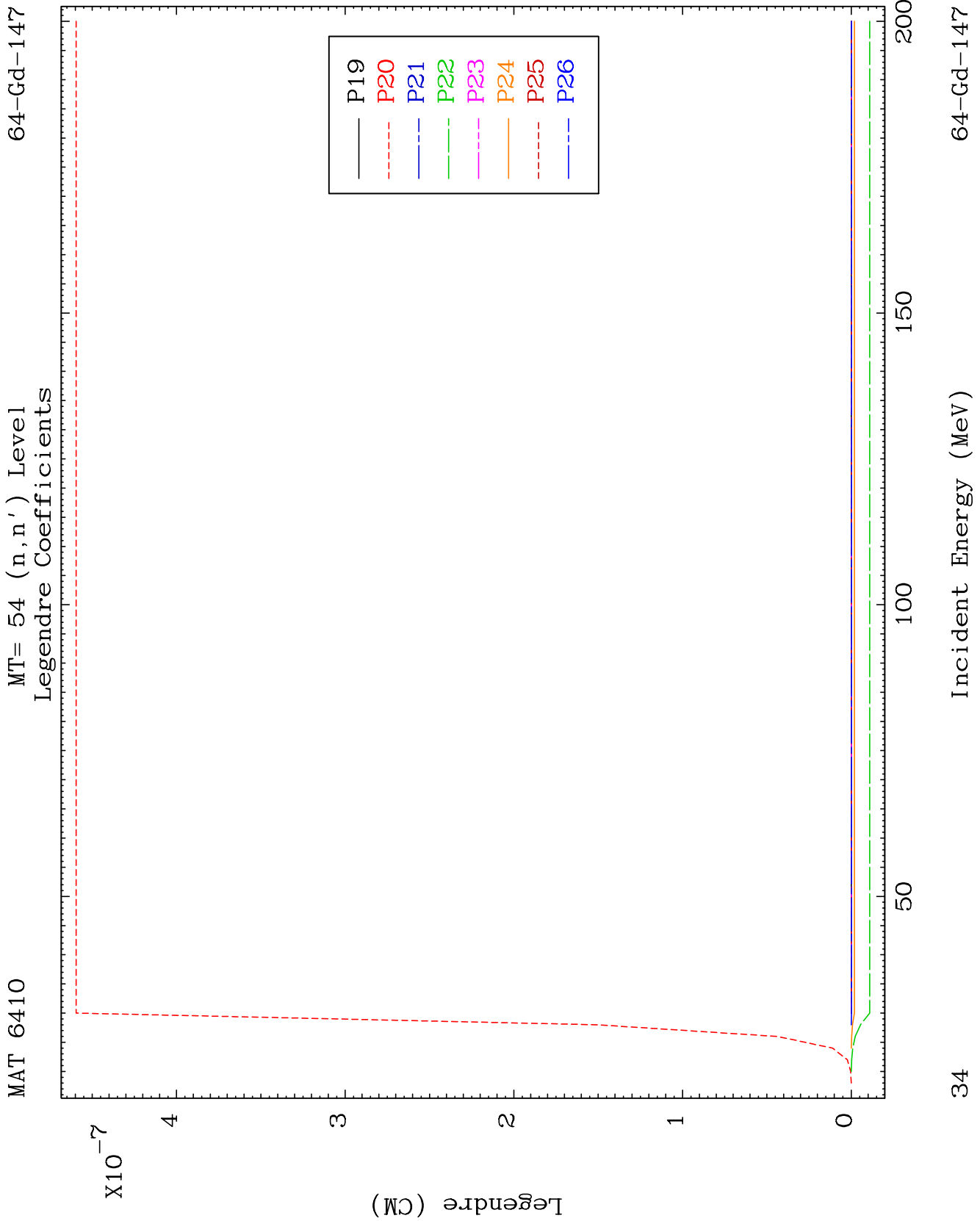
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Incident Energy (MeV)

64-Gd-147



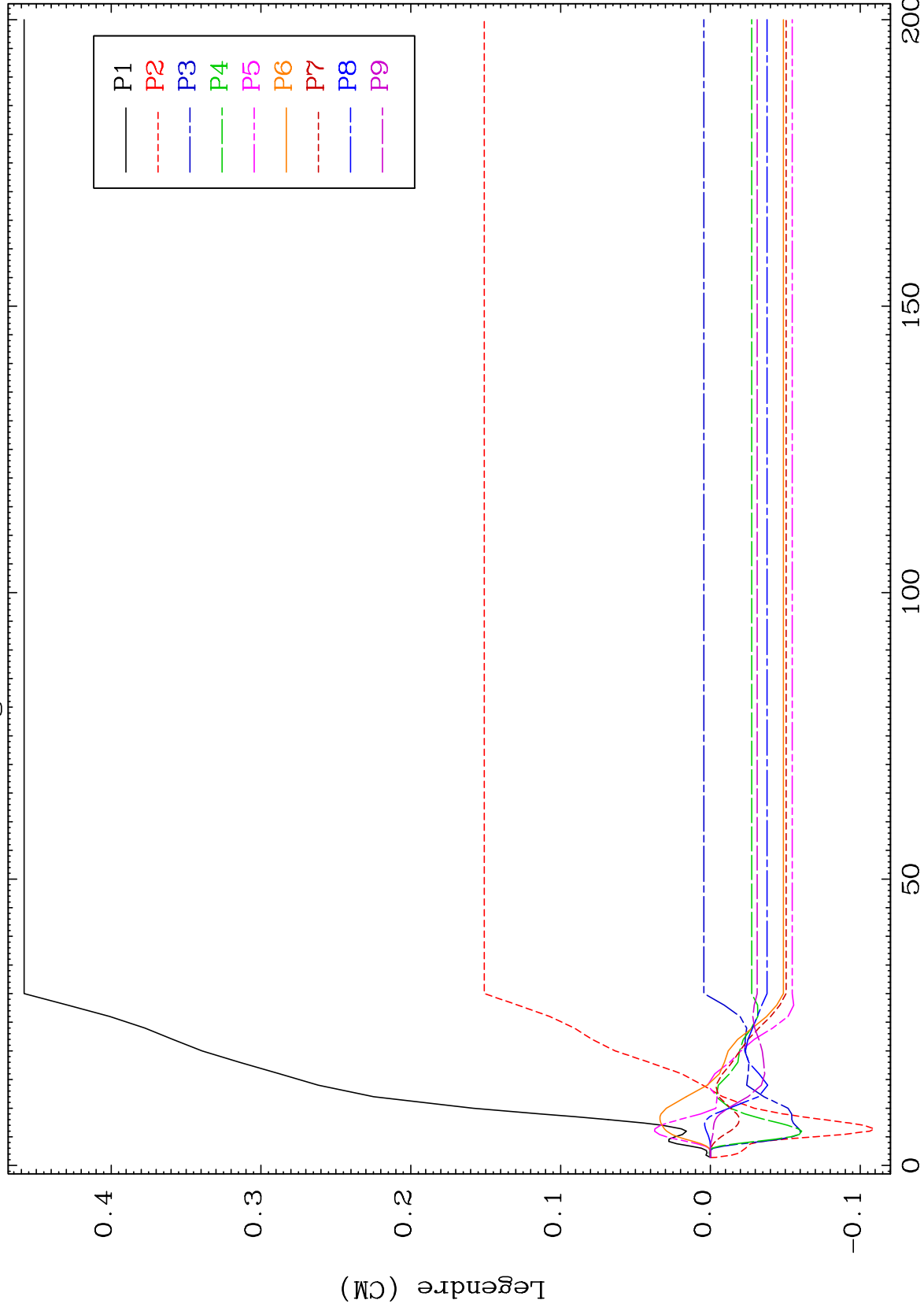




MAT 6410

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

64-Gd-147



Incident Energy (MeV)

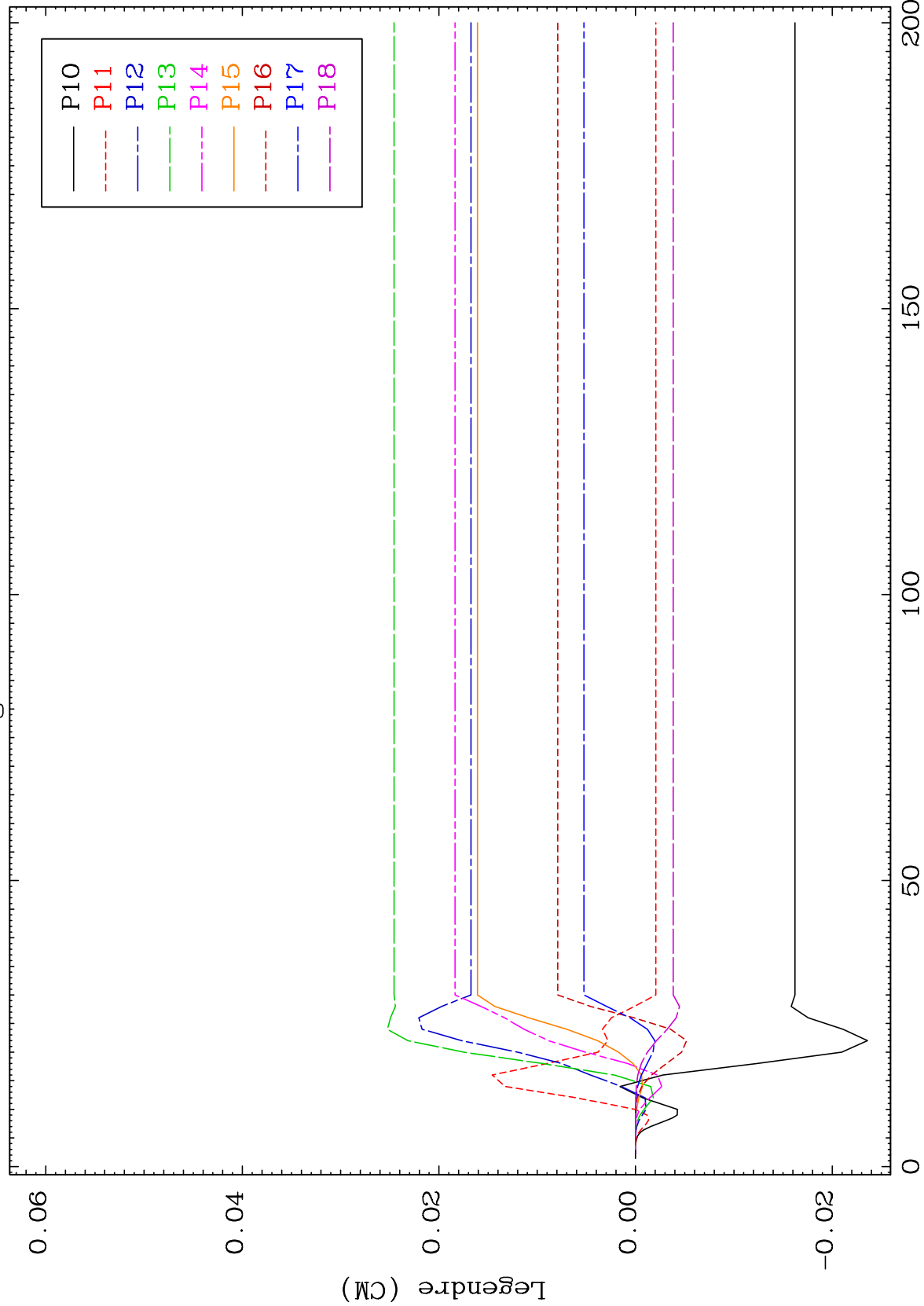
64-Gd-147

35

MAT 6410

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

64-Gd-147



36

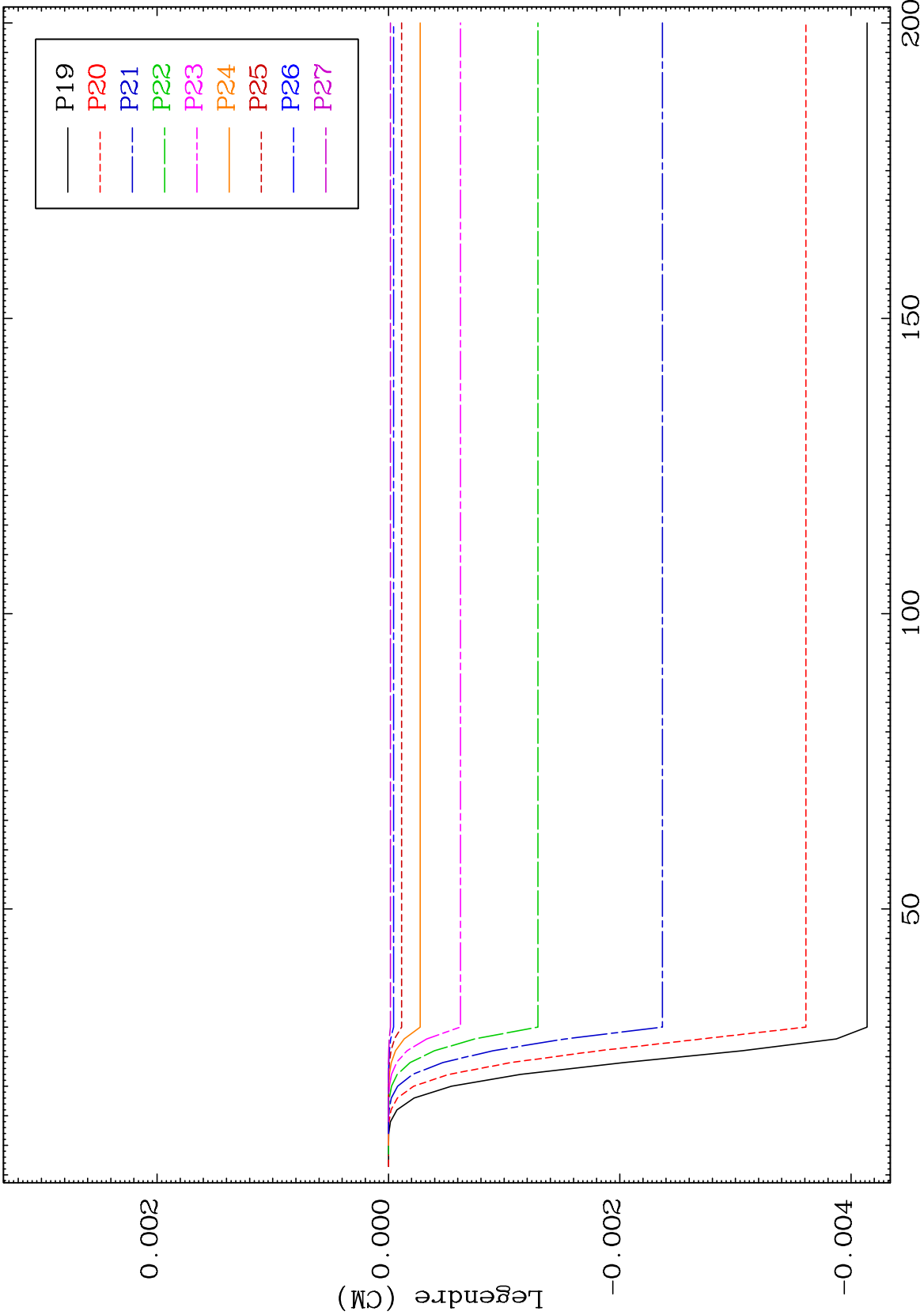
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



37

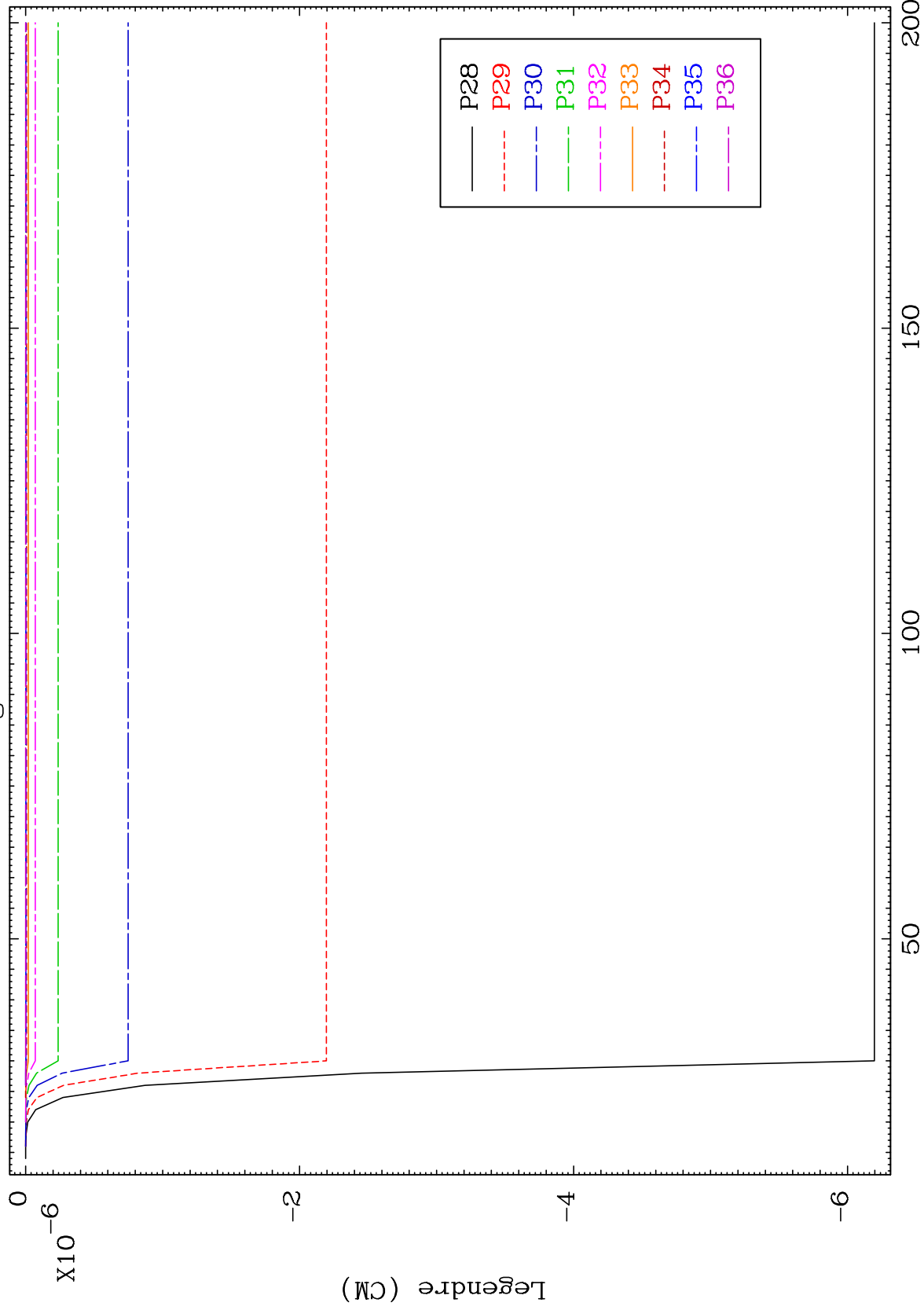
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



38

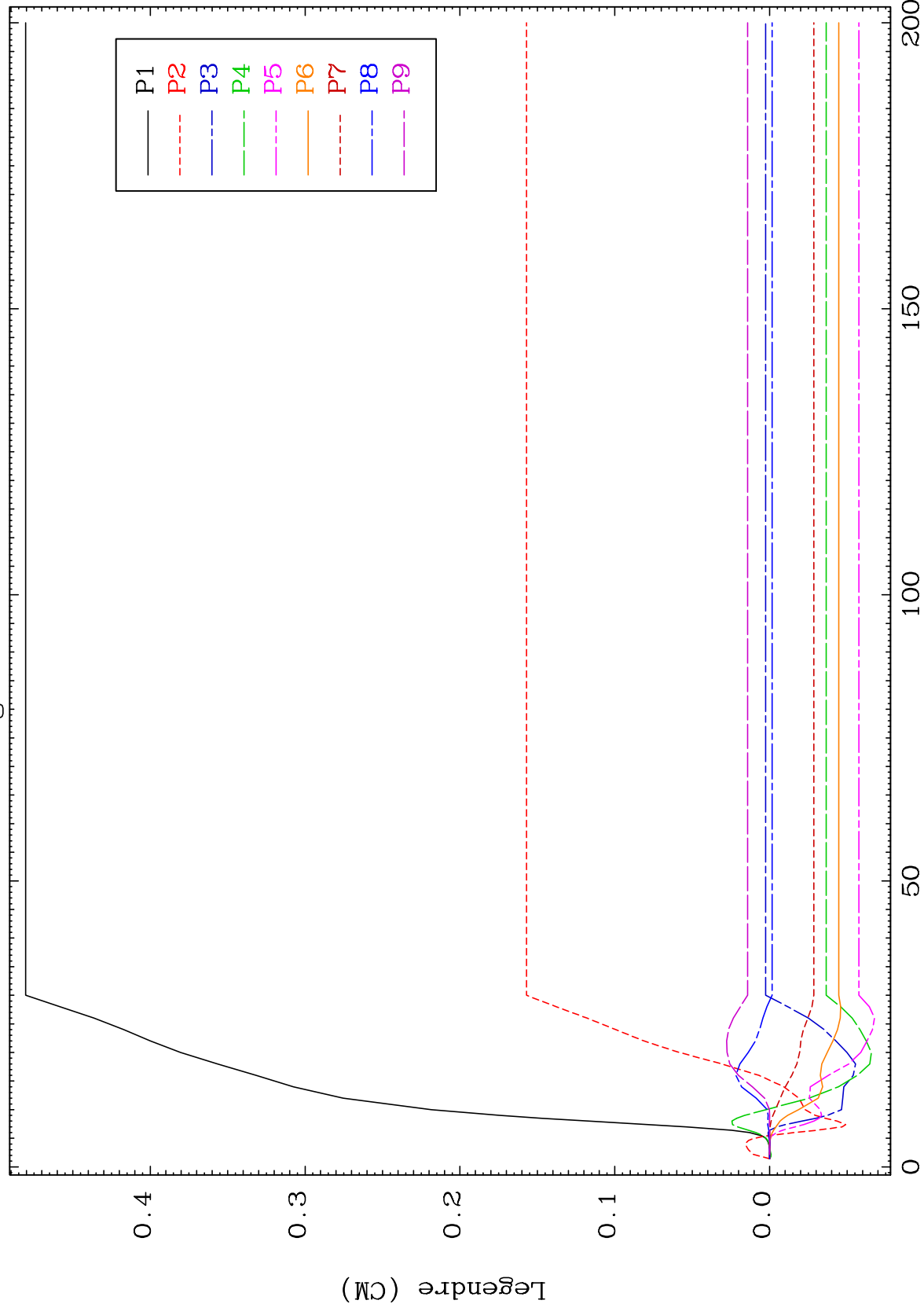
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



39

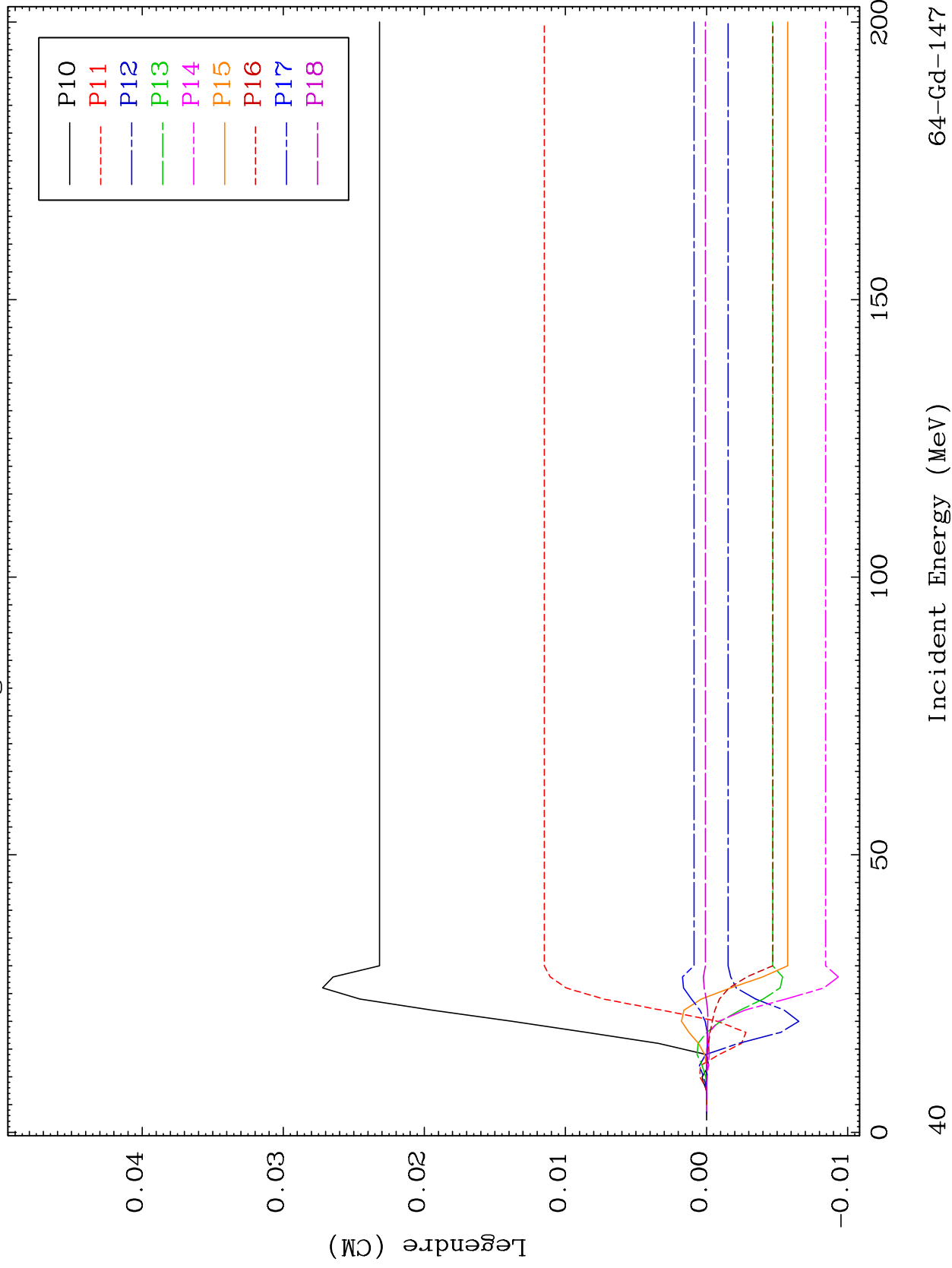
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

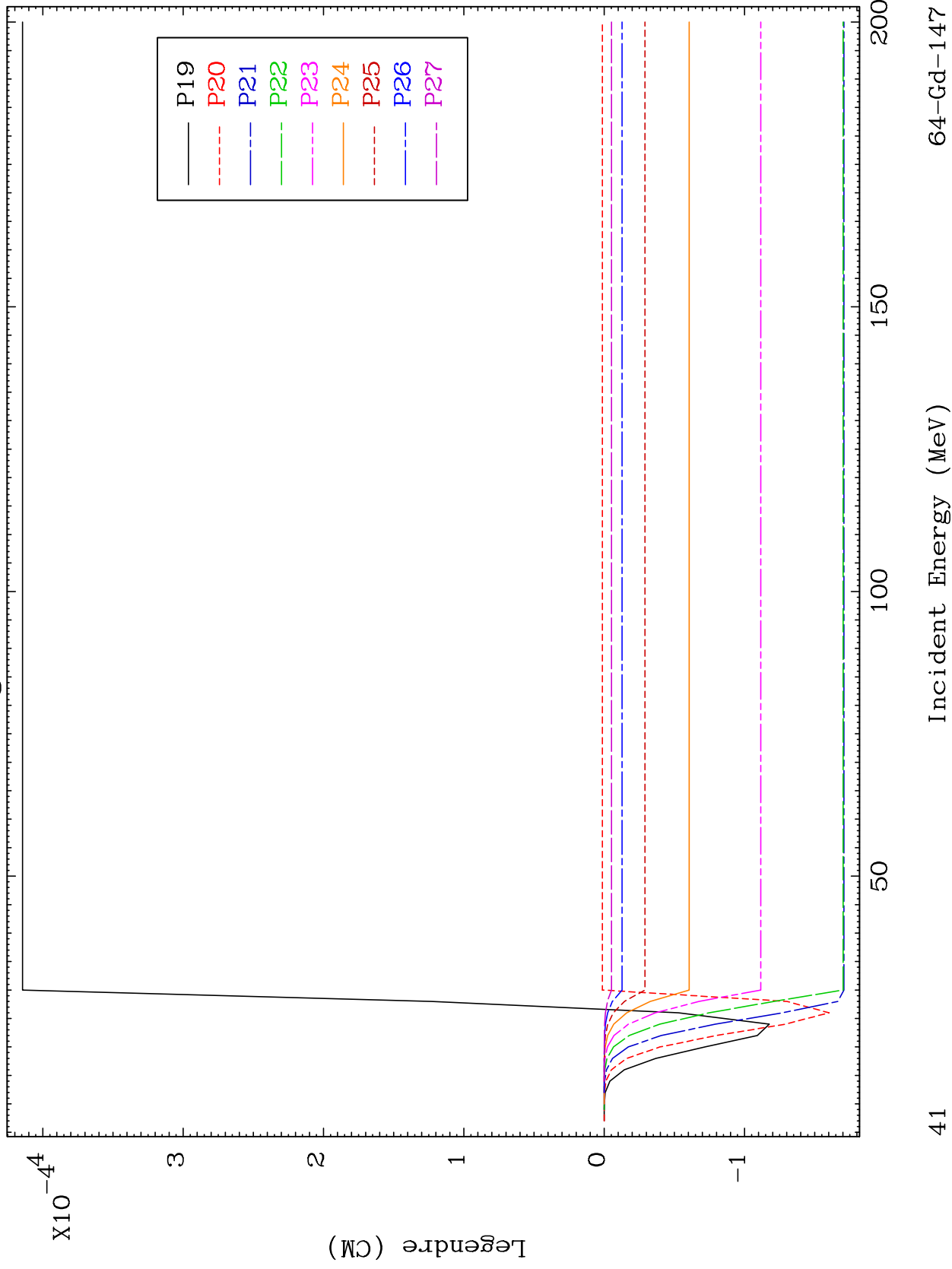
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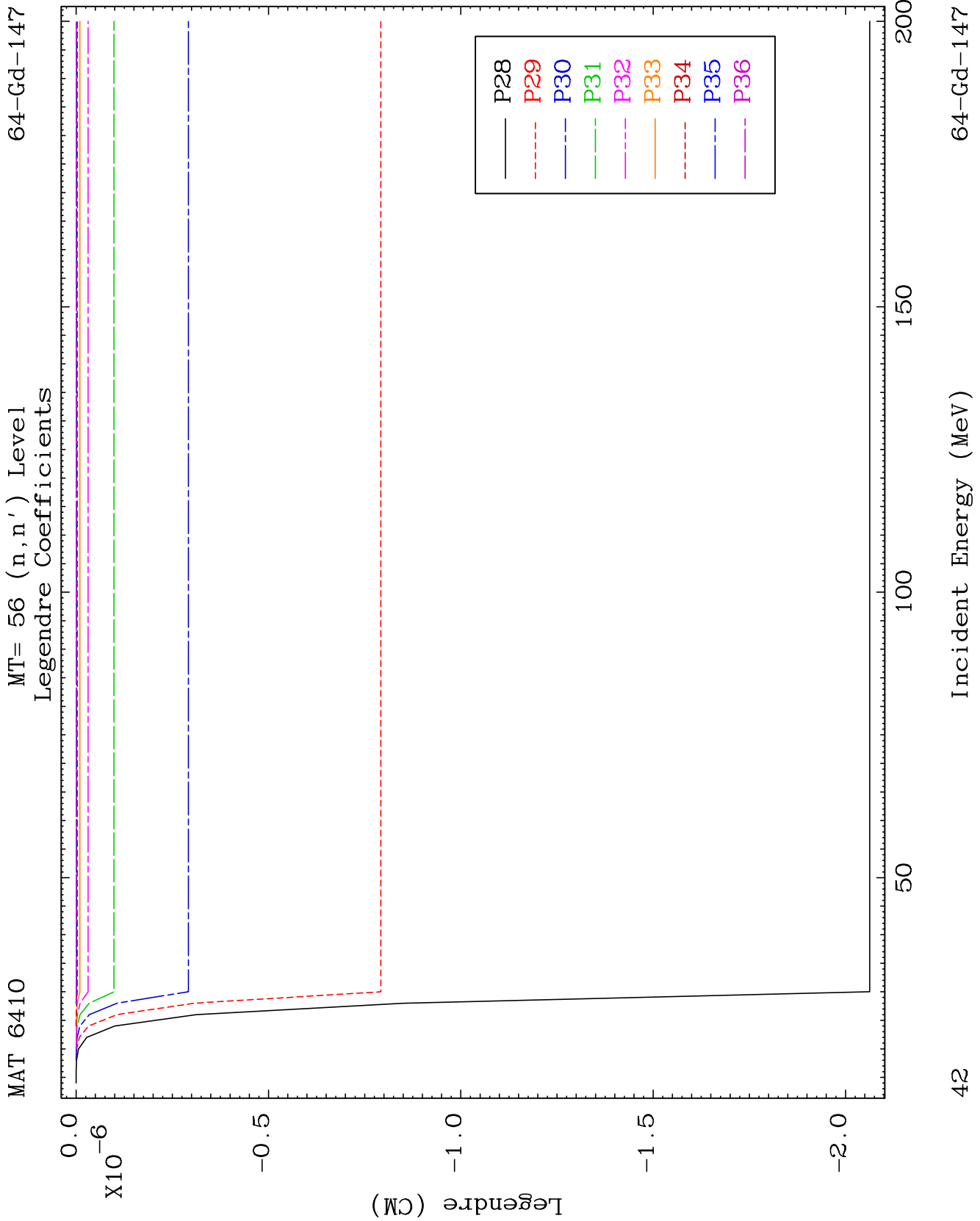


MAT 6410

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

64-Gd-147

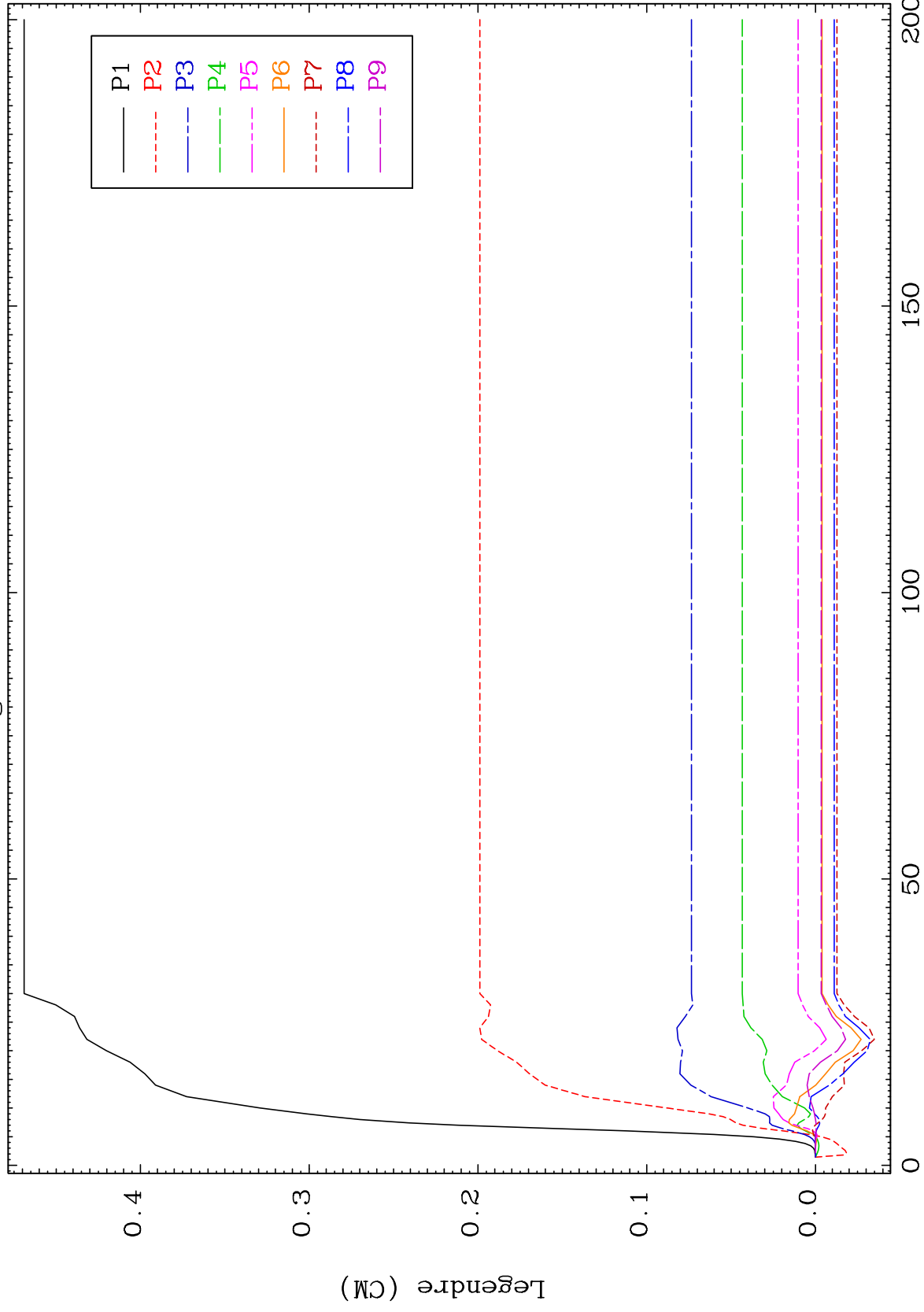




MAT 6410

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

64-Gd-147



43

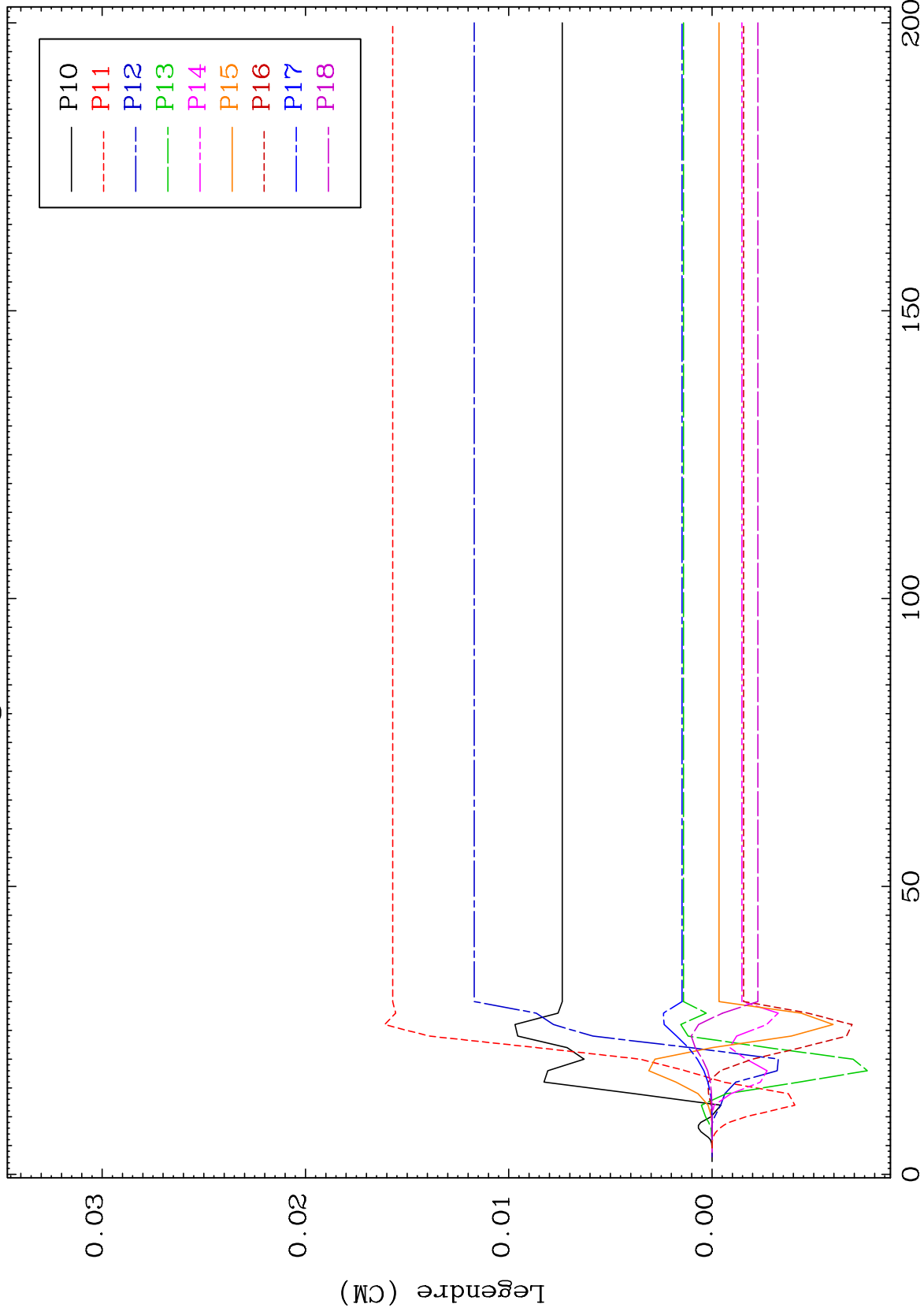
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



44

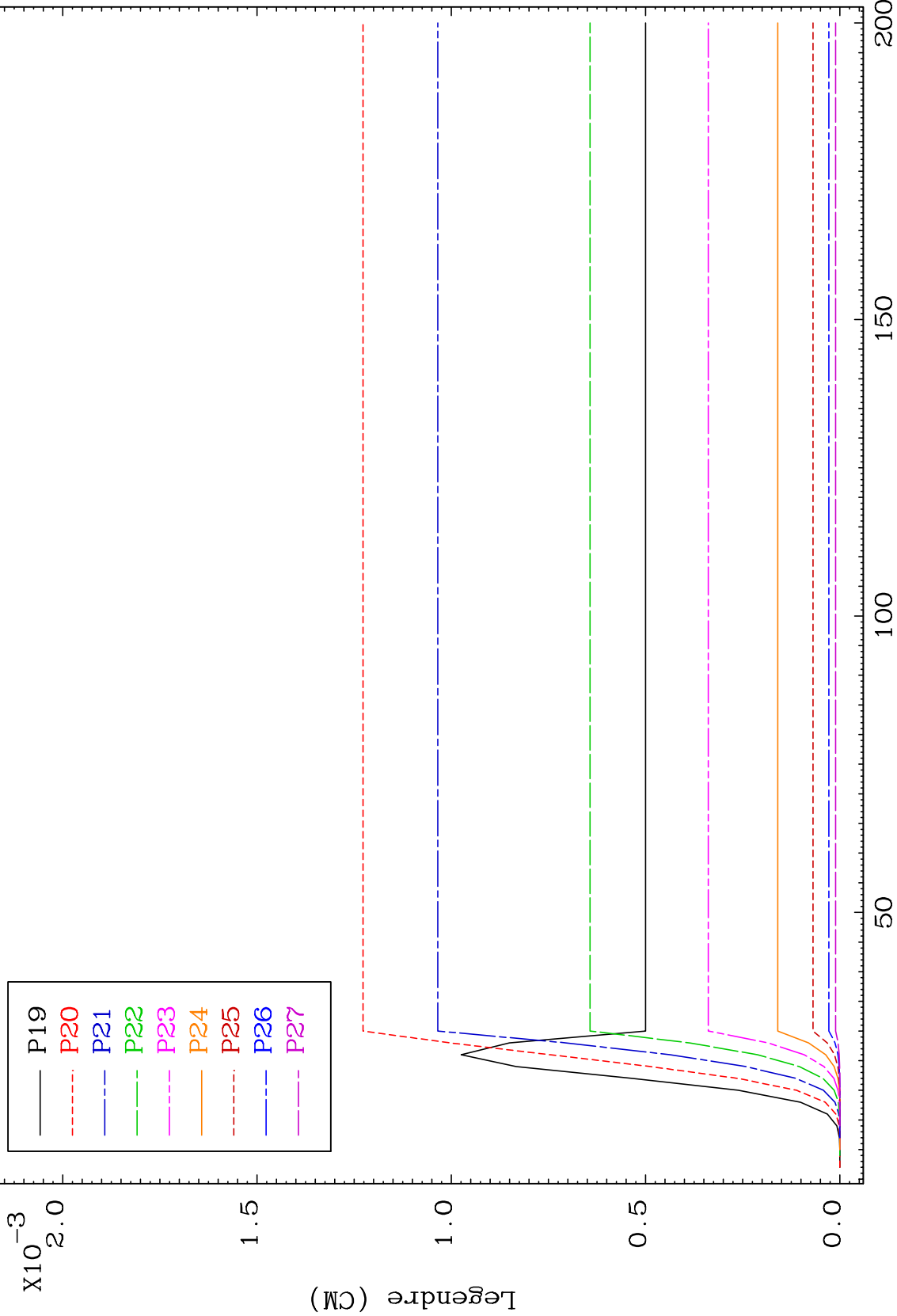
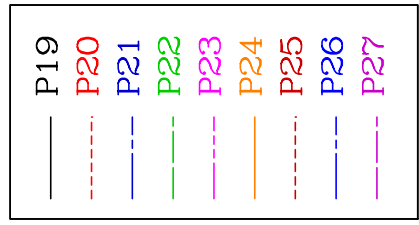
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



45

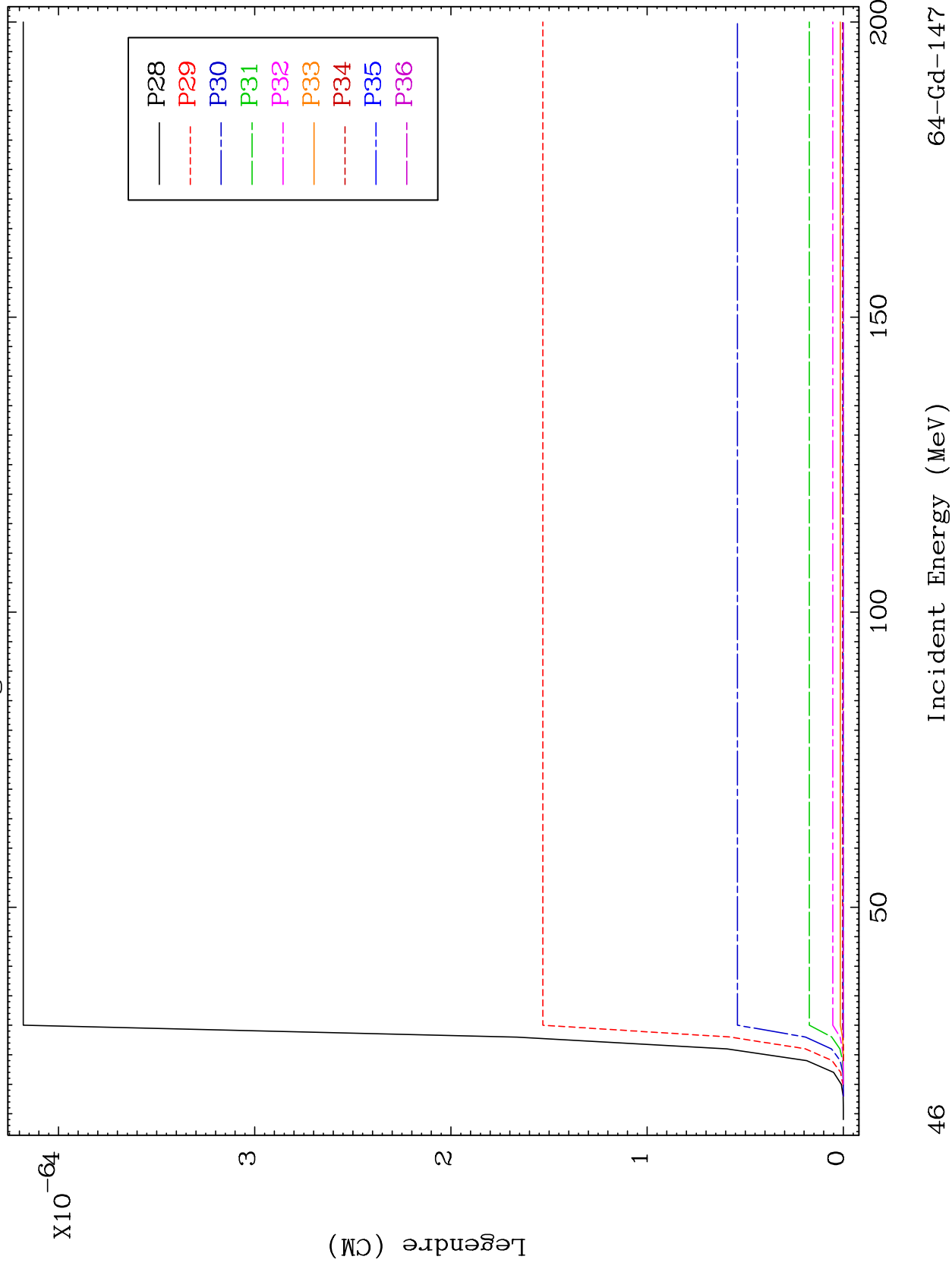
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

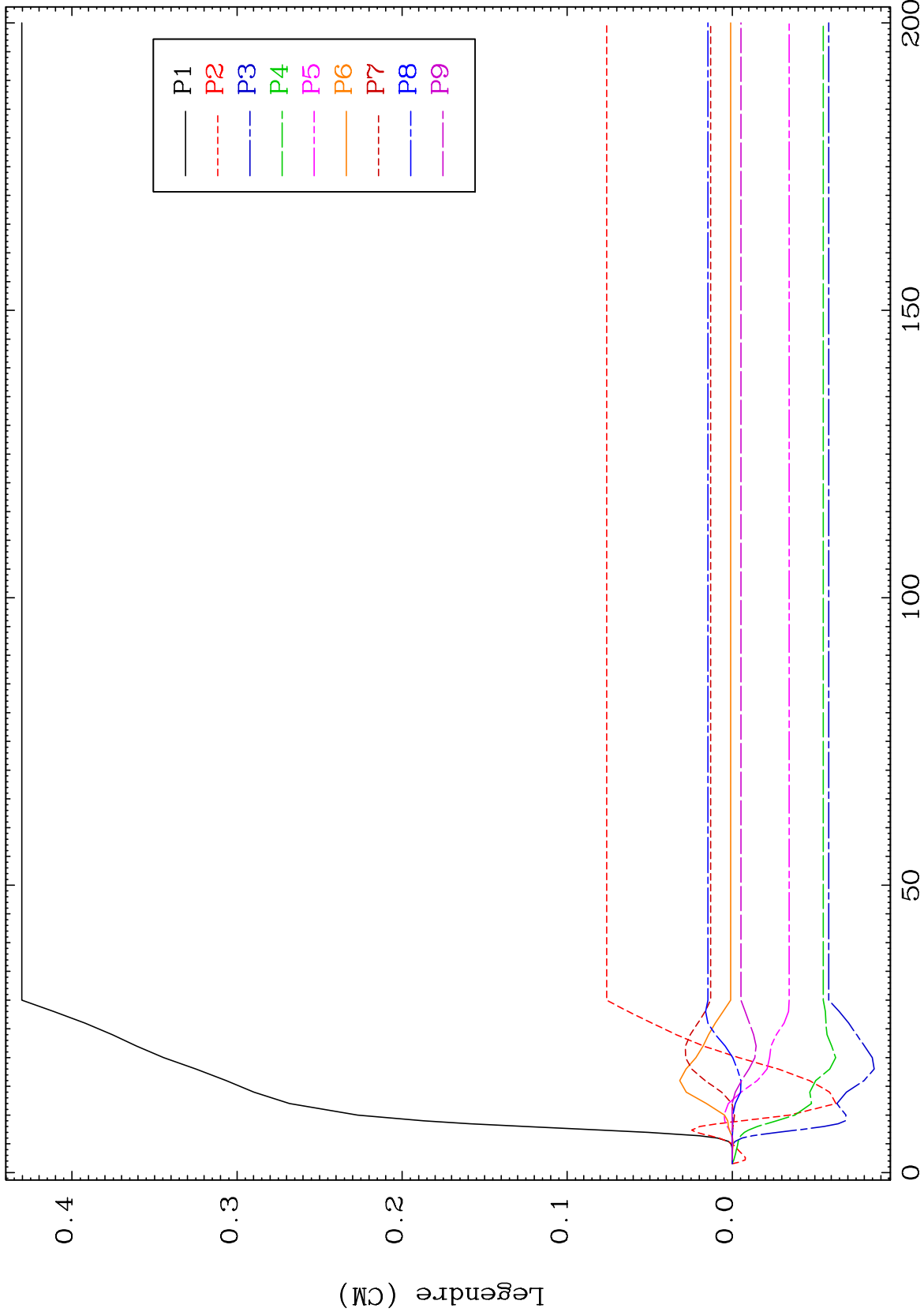
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MAT 6410

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

64-Gd-147



64-Gd-147

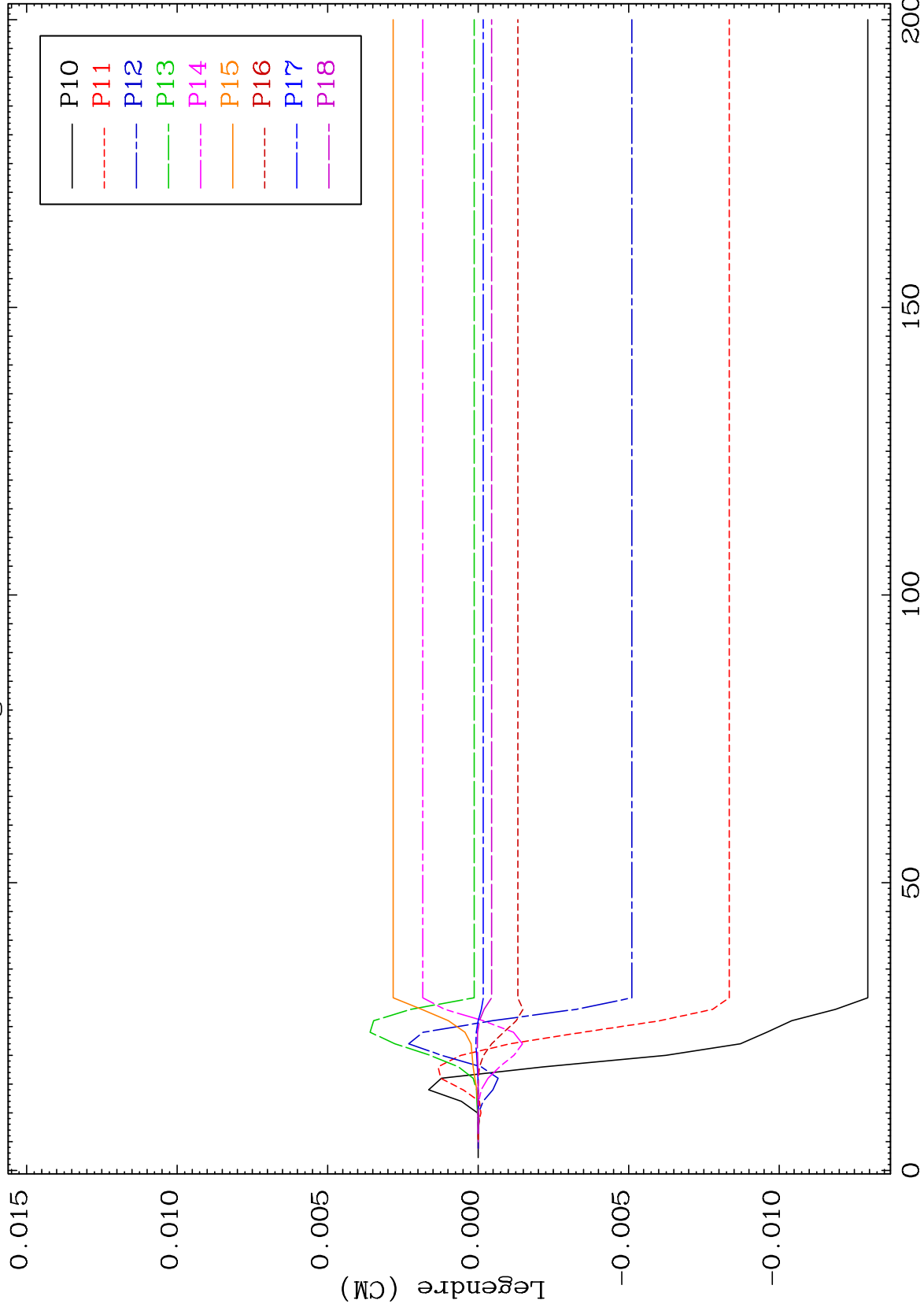
Incident Energy (MeV)

47

MAT 6410

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

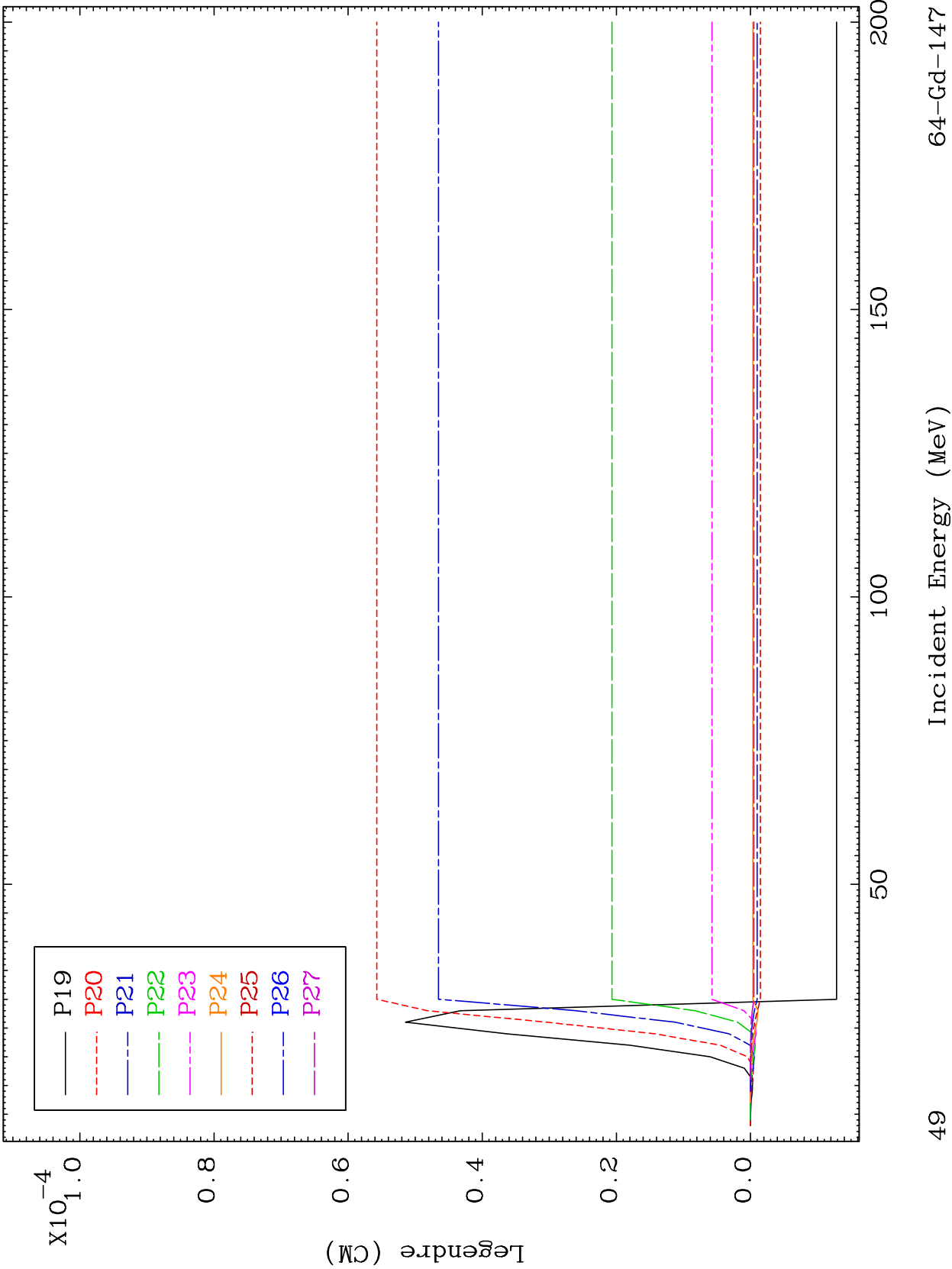
64-Gd-147



48

Incident Energy (MeV)

64-Gd-147

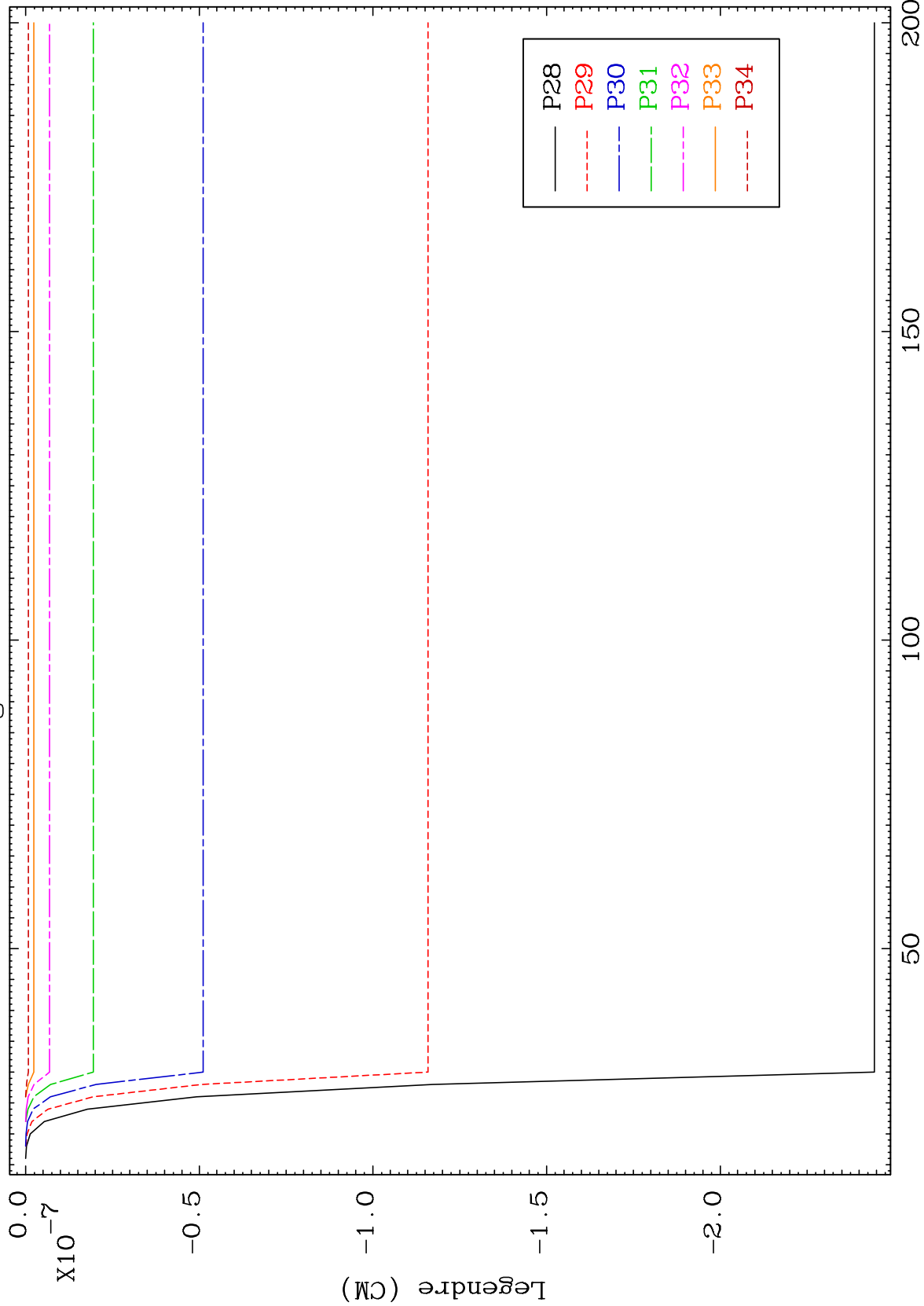


MAT 6410

MT= 58 (n,n') Level

64-Gd-147

Legendre Coefficients



64-Gd-147

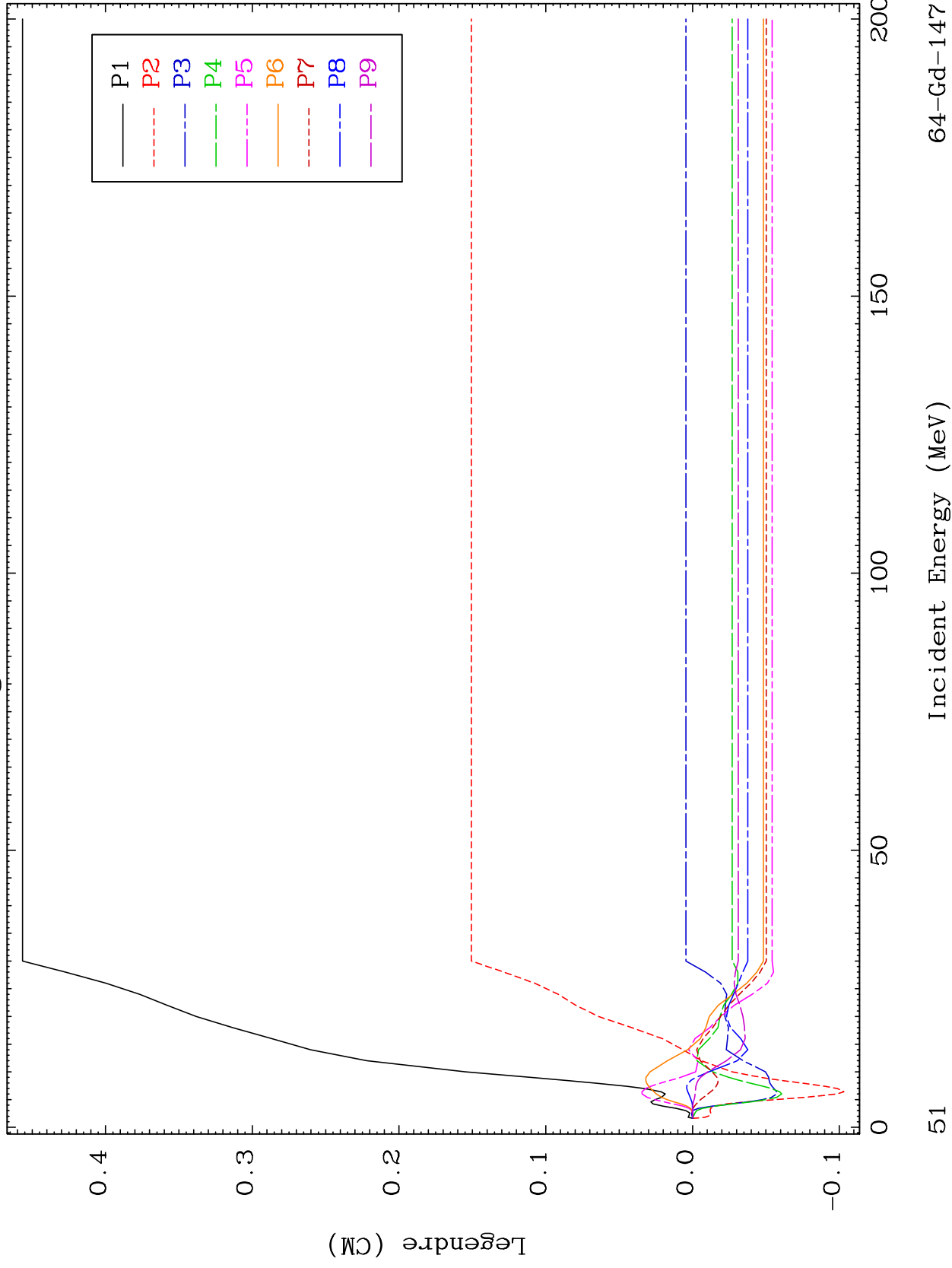
Incident Energy (MeV)

50

MAT 6410

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

64-Gd-147



64-Gd-147

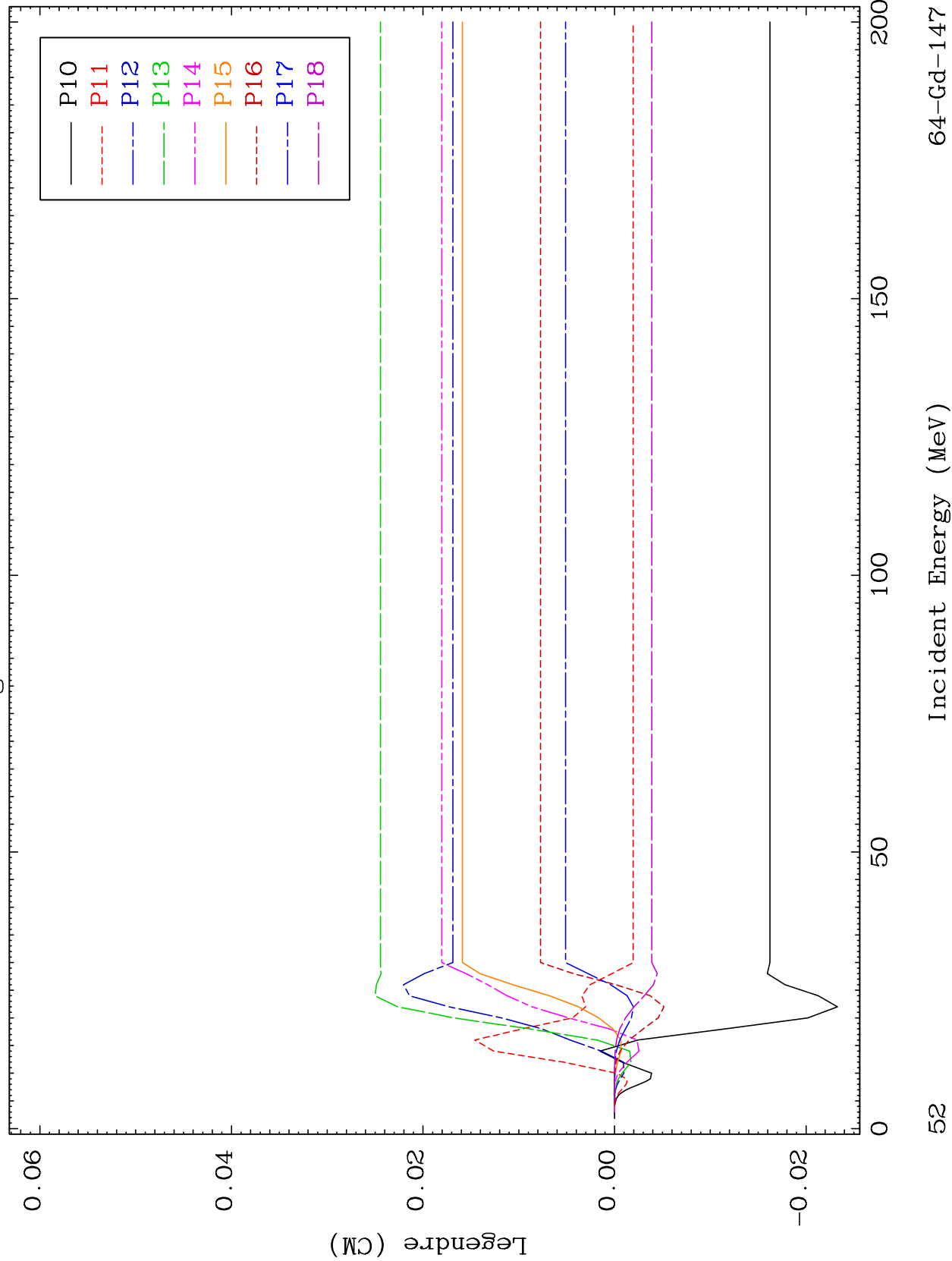
Incident Energy (MeV)

51

MAT 6410

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

64-Gd-147



64-Gd-147

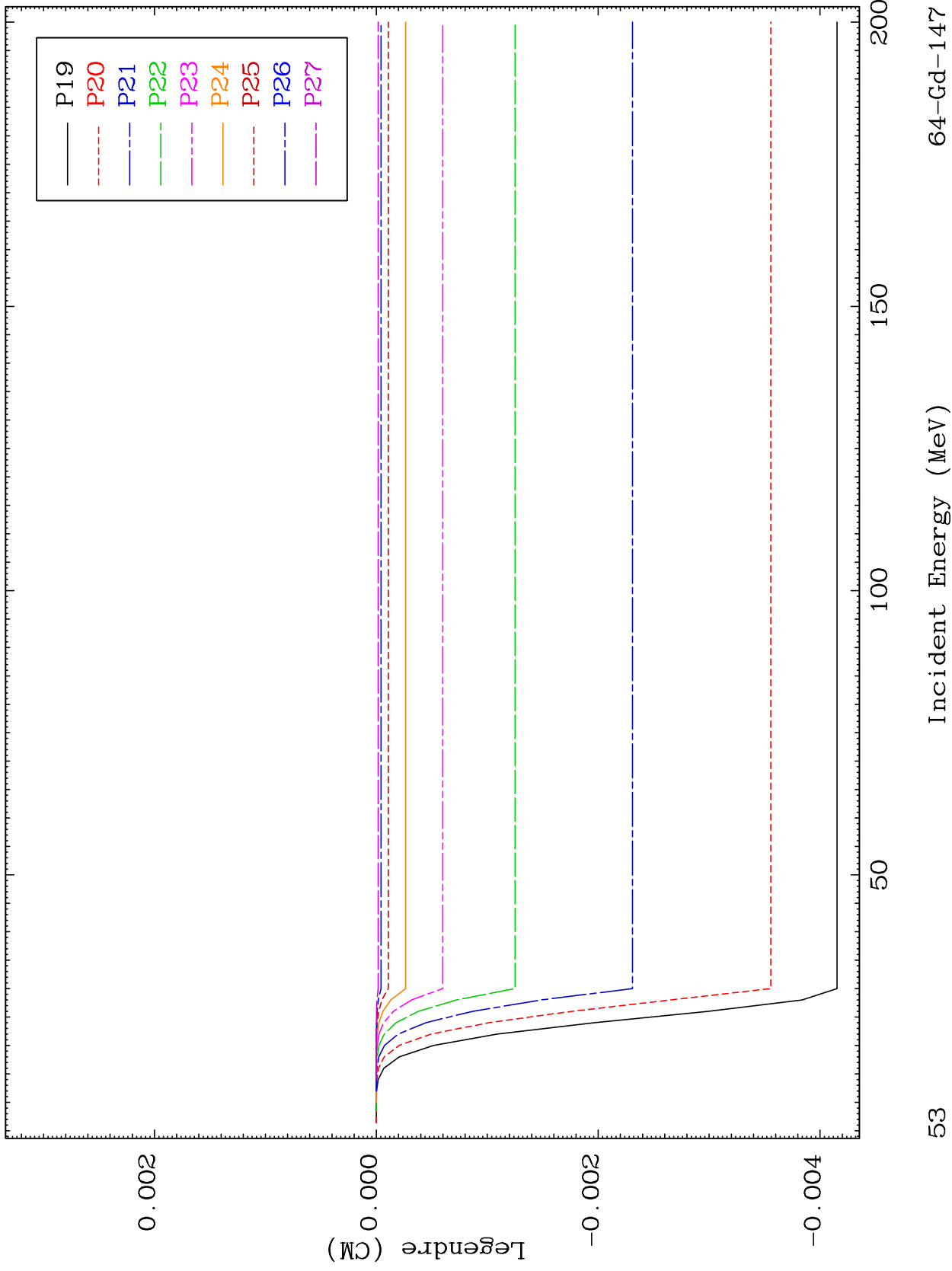
Incident Energy (MeV)

52

MAT 6410

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

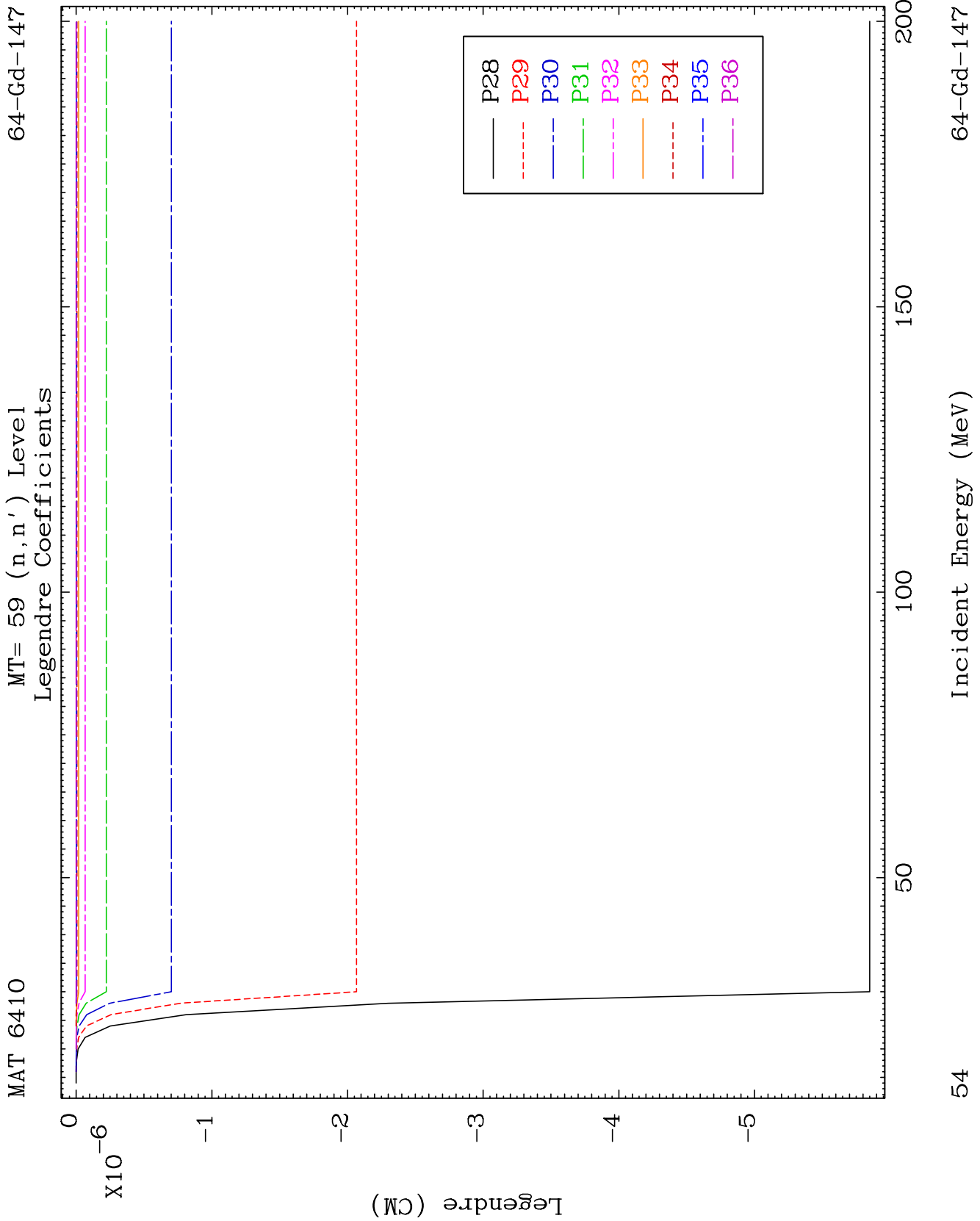
64-Gd-147



53

Incident Energy (MeV)

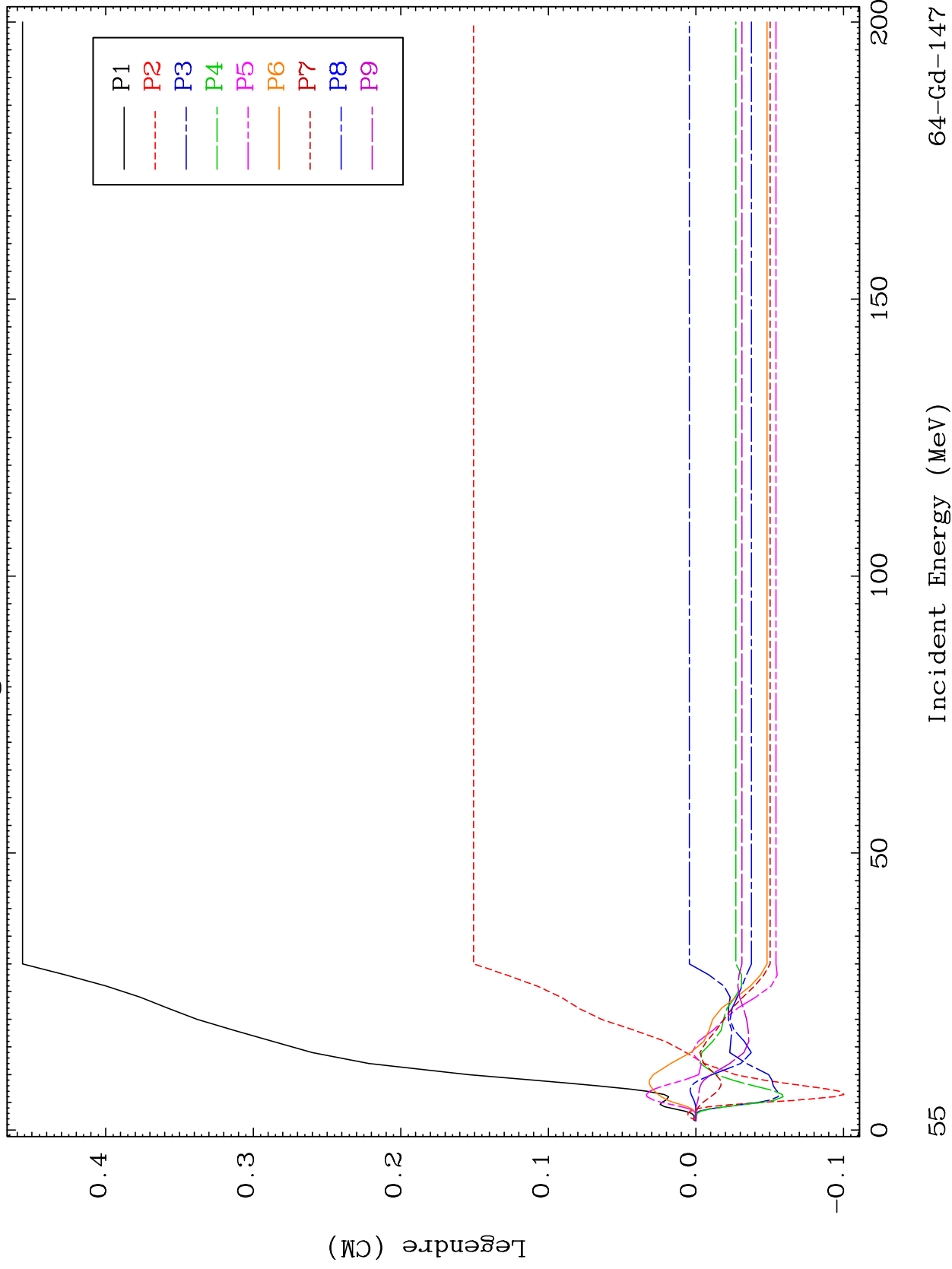
64-Gd-147



MAT 6410

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

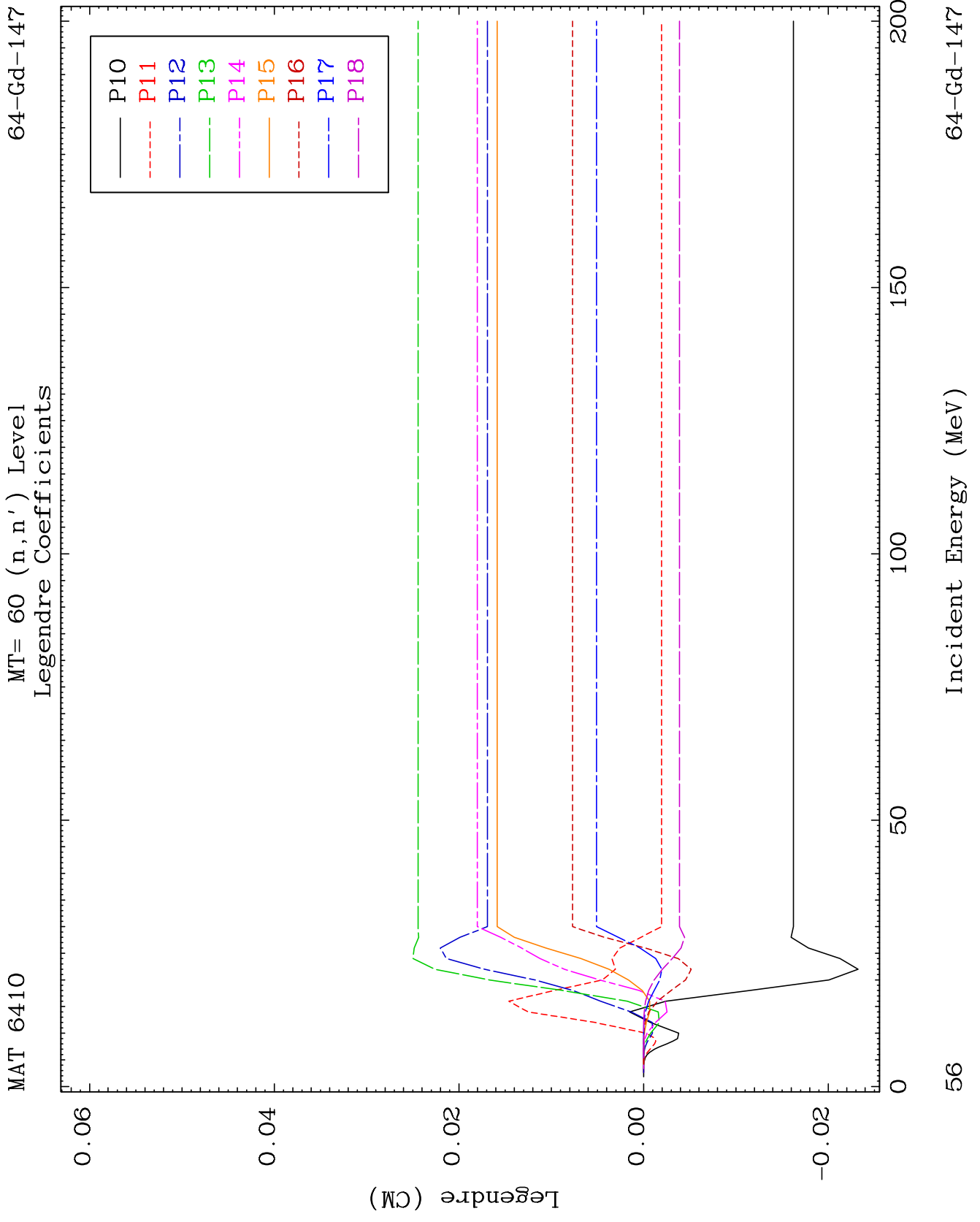
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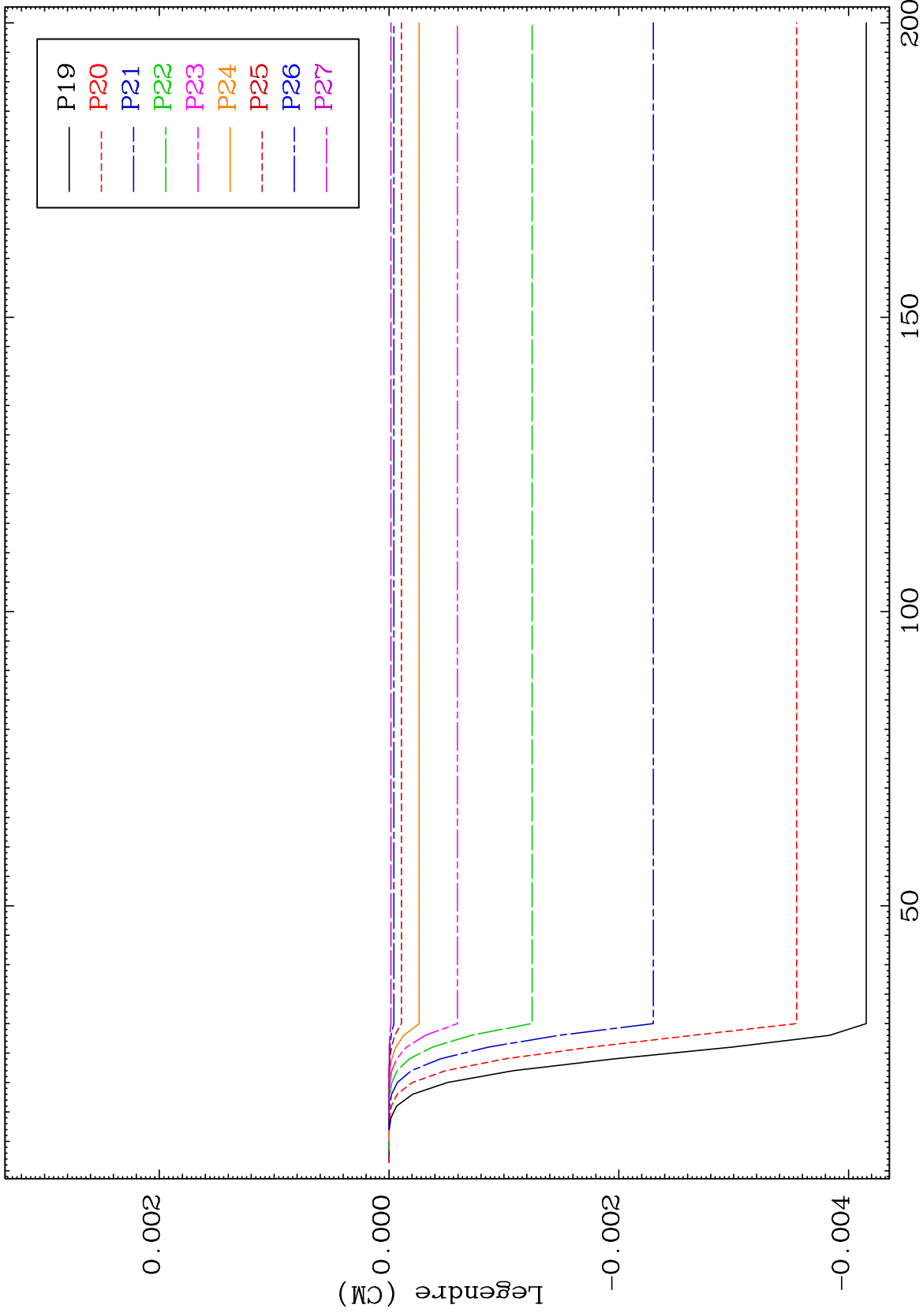


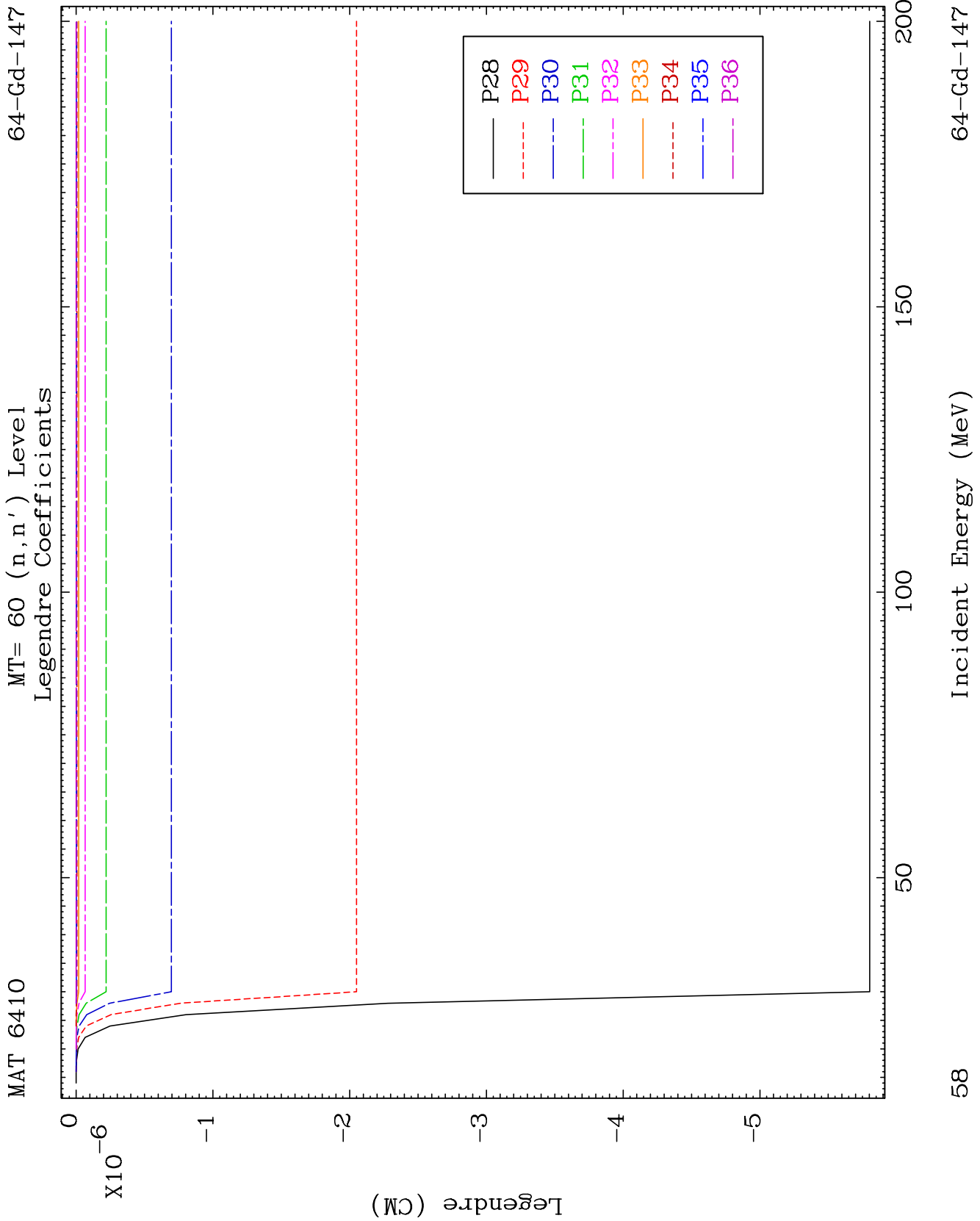
64-Gd-147

Incident Energy (MeV)

55



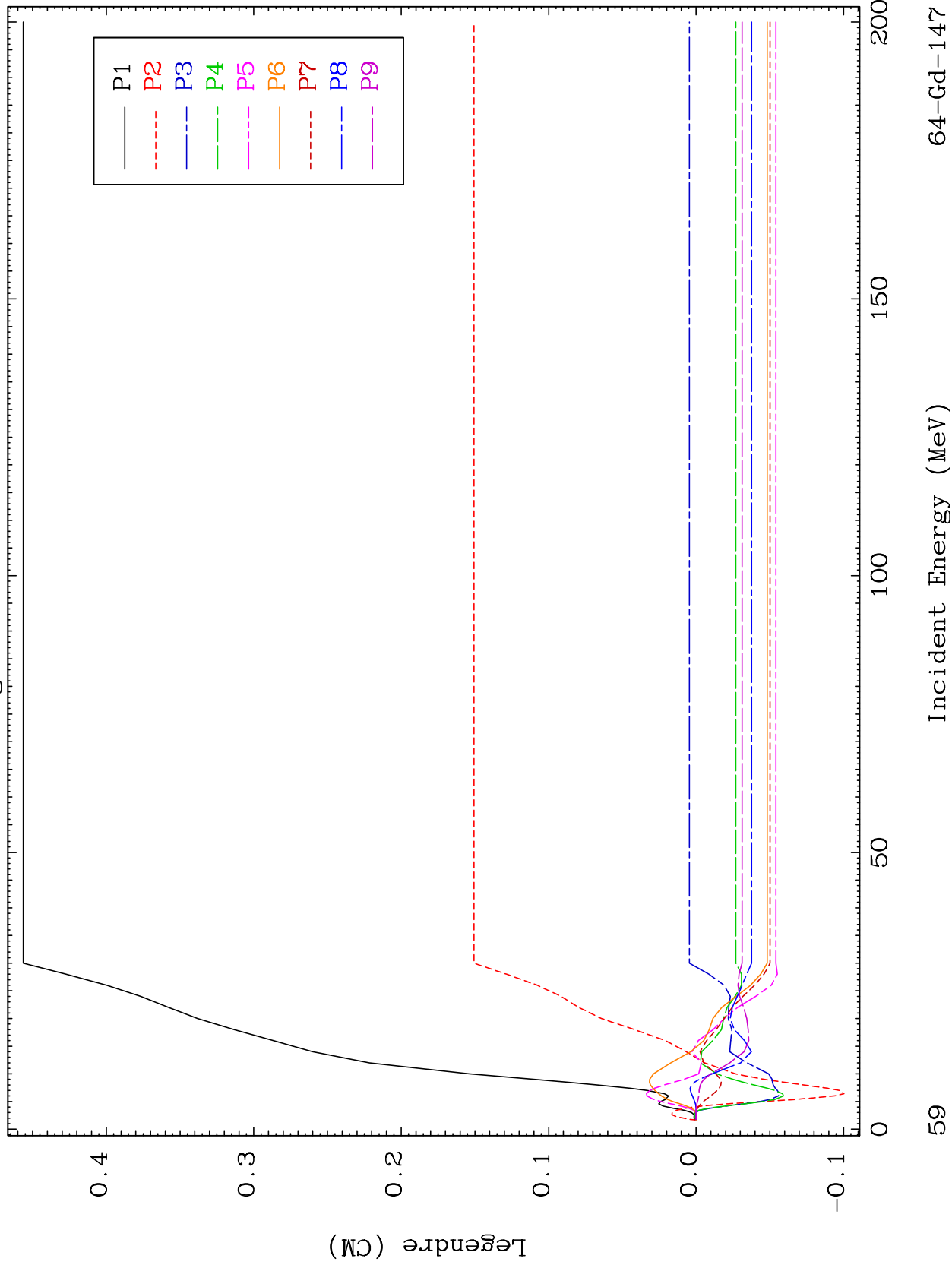




MAT 6410

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

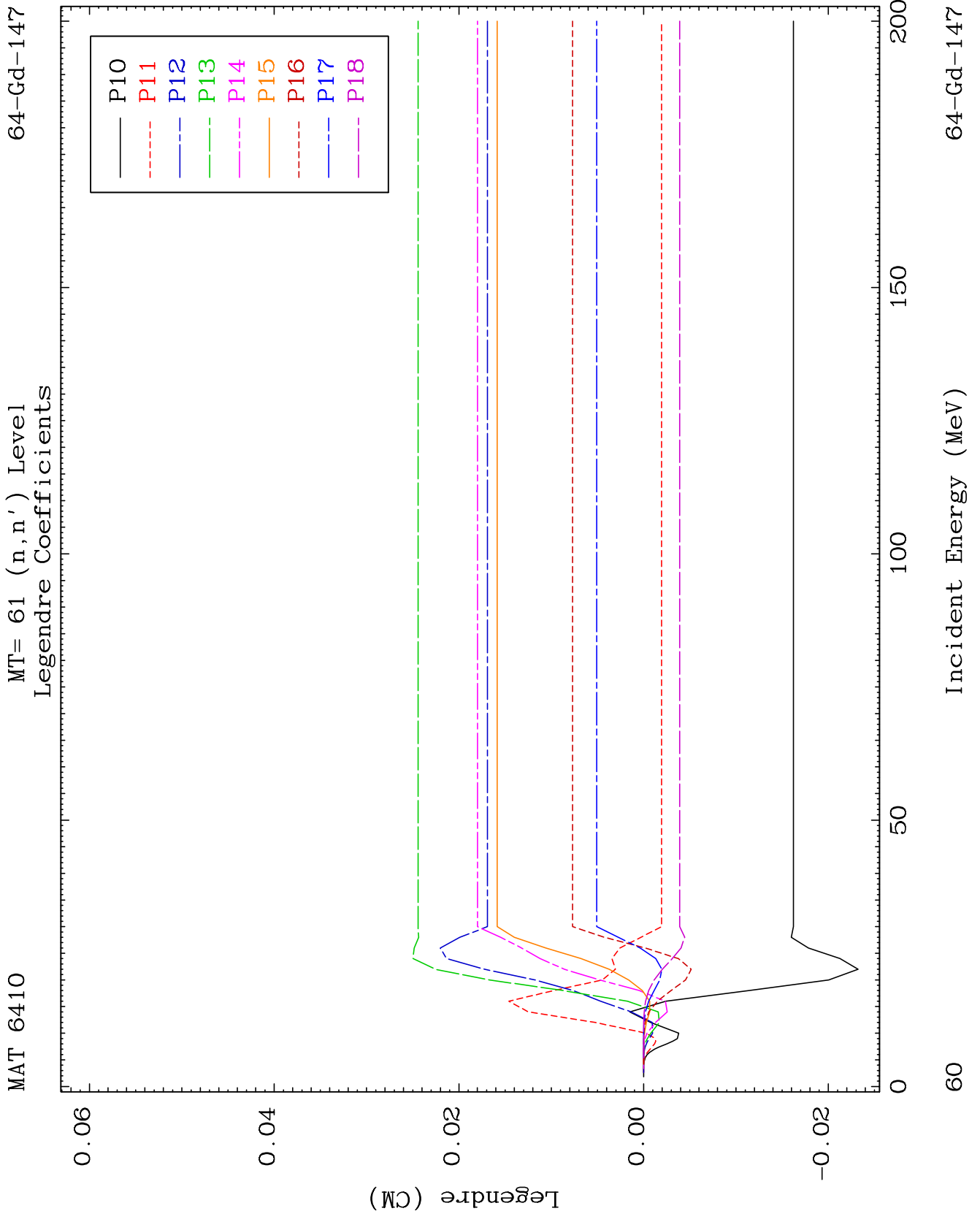
64-Gd-147



64-Gd-147

Incident Energy (MeV)

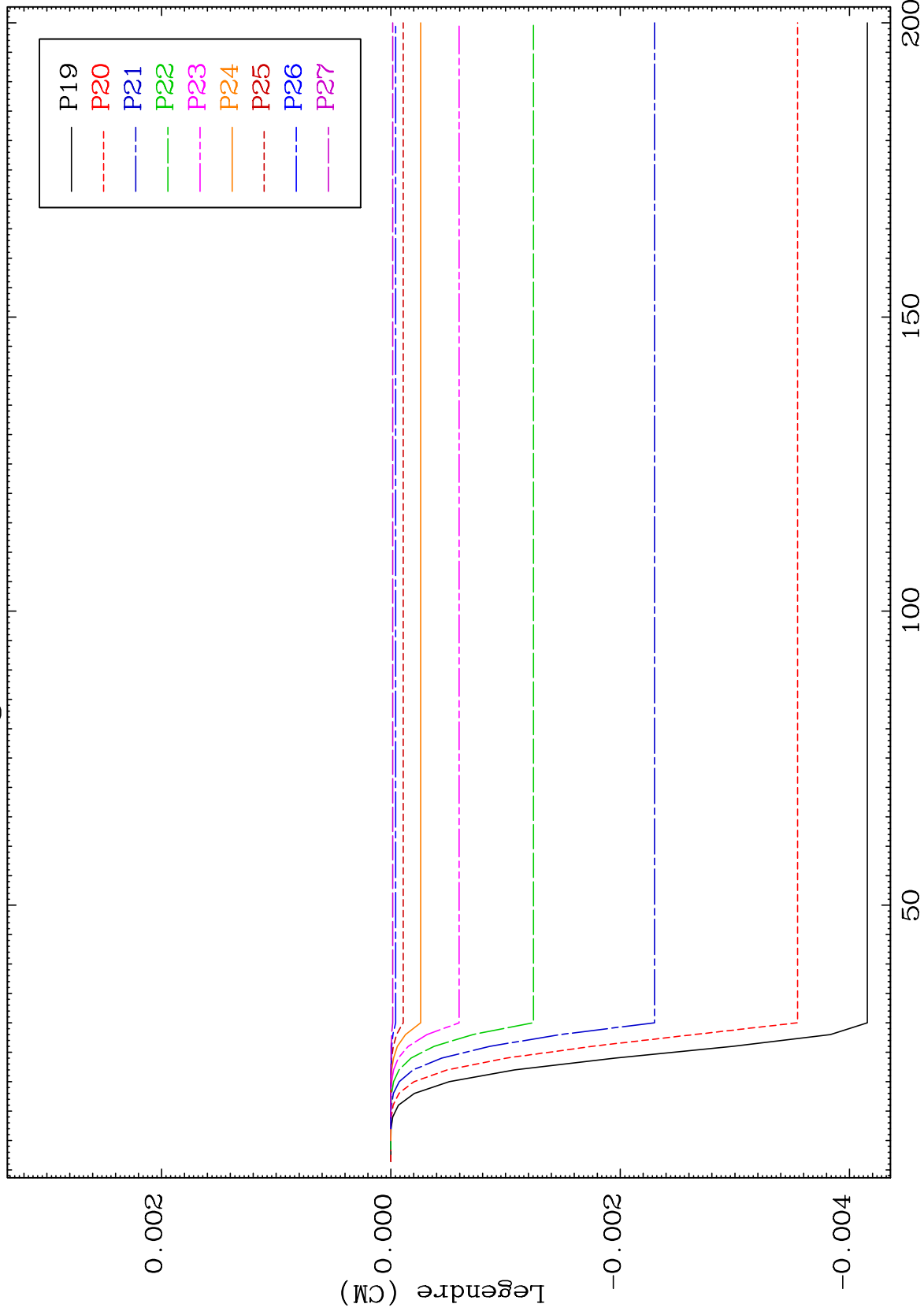
59



MAT 6410

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

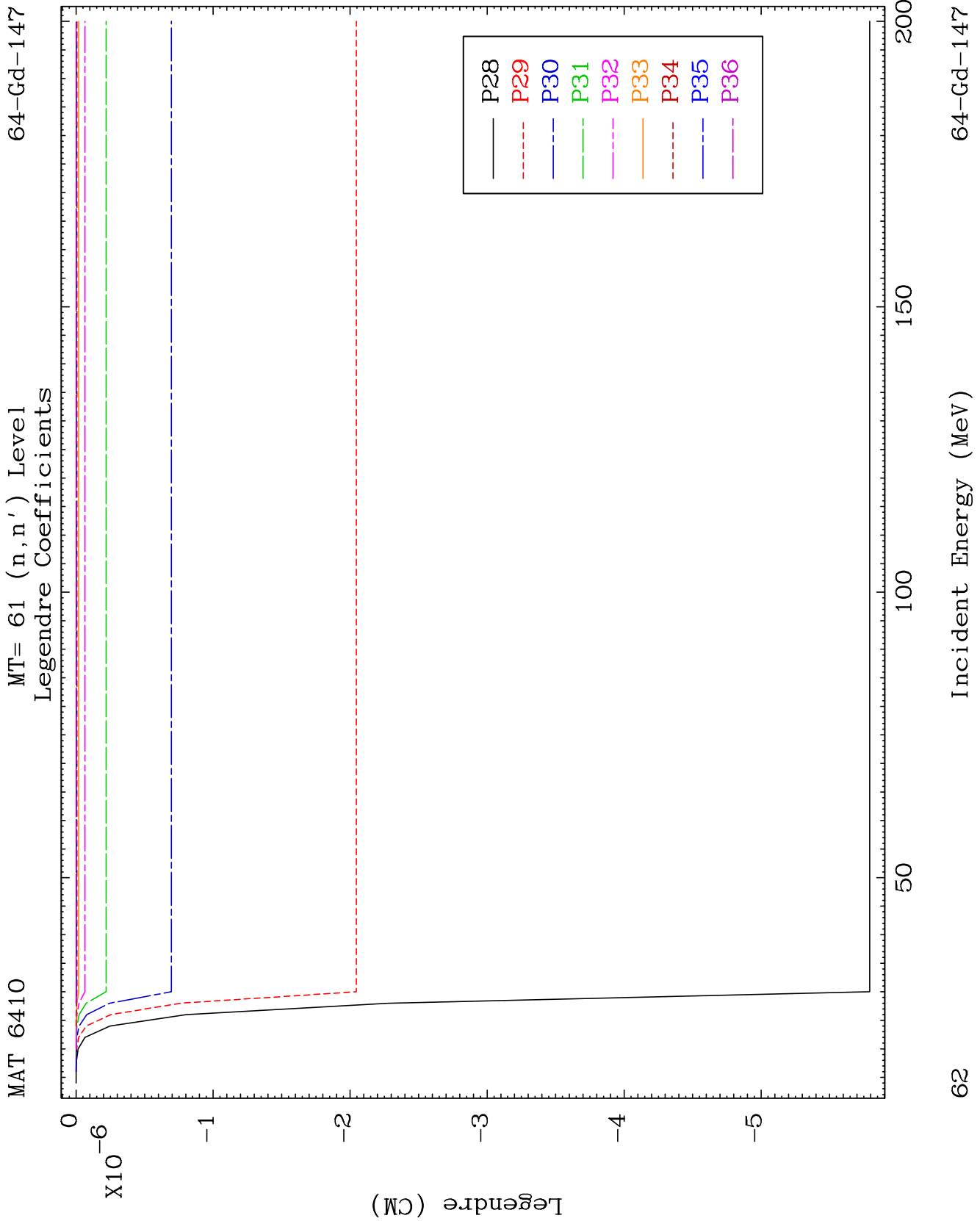
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61

Incident Energy (MeV)

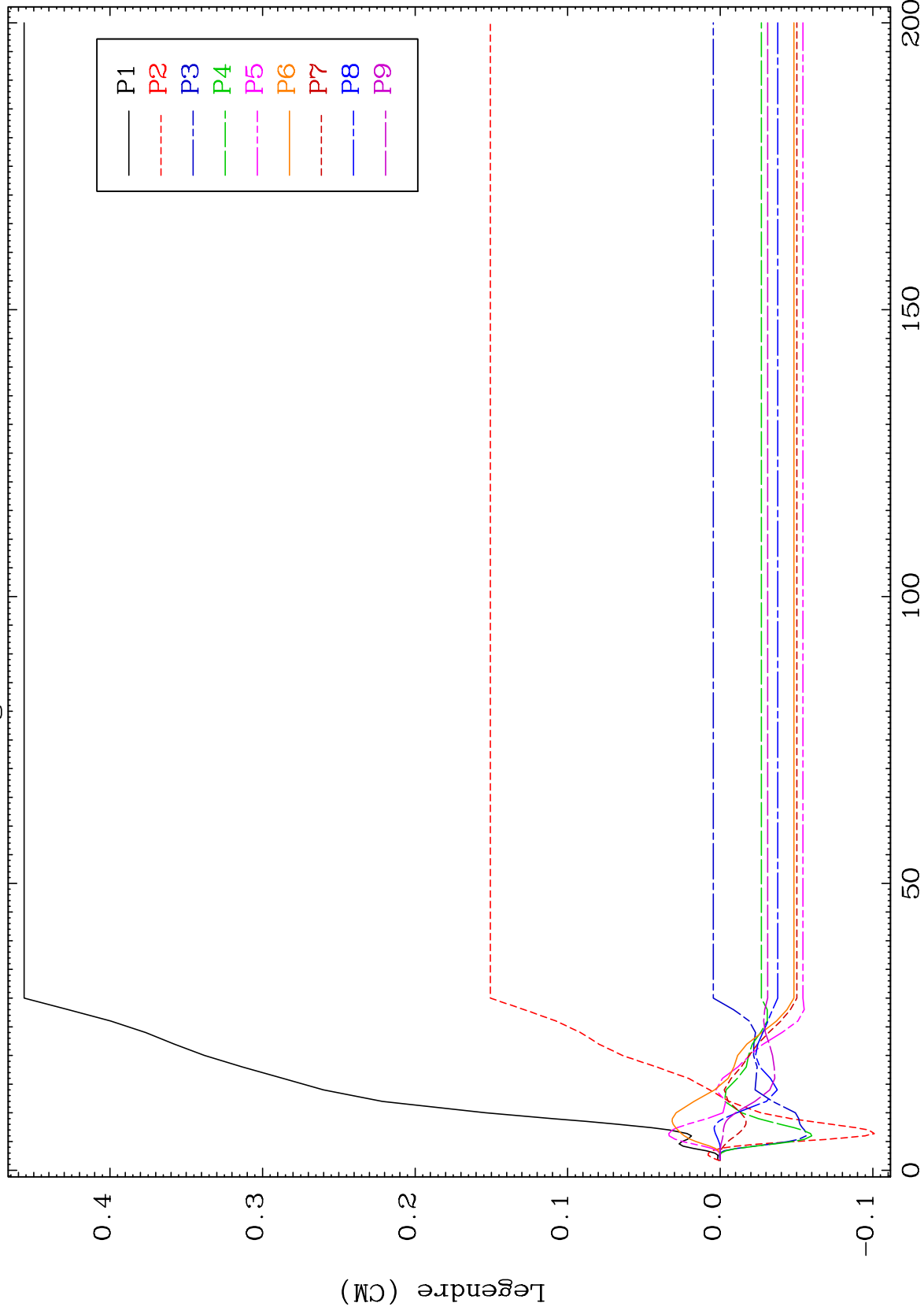
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MAT 6410

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

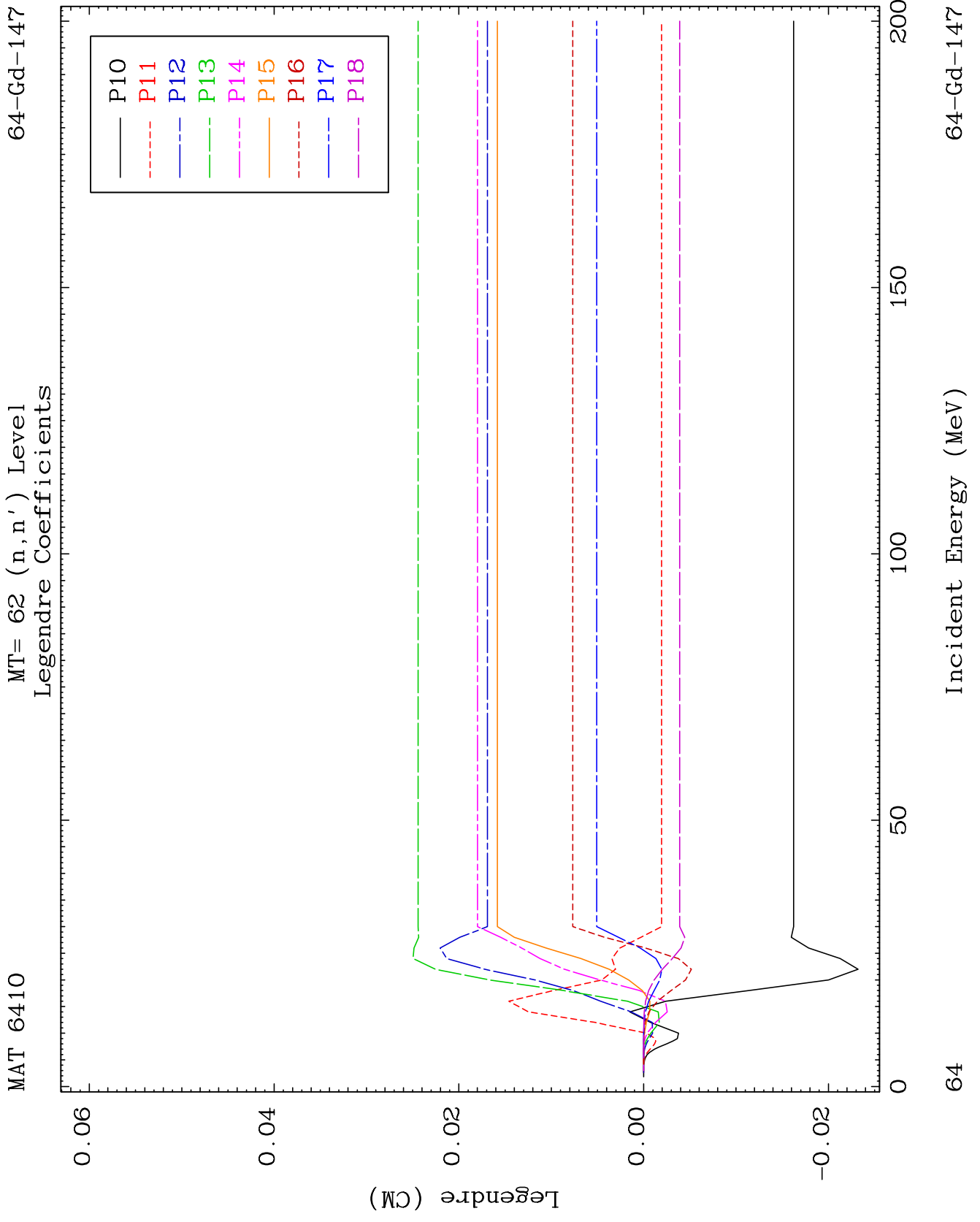
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63

Incident Energy (MeV)

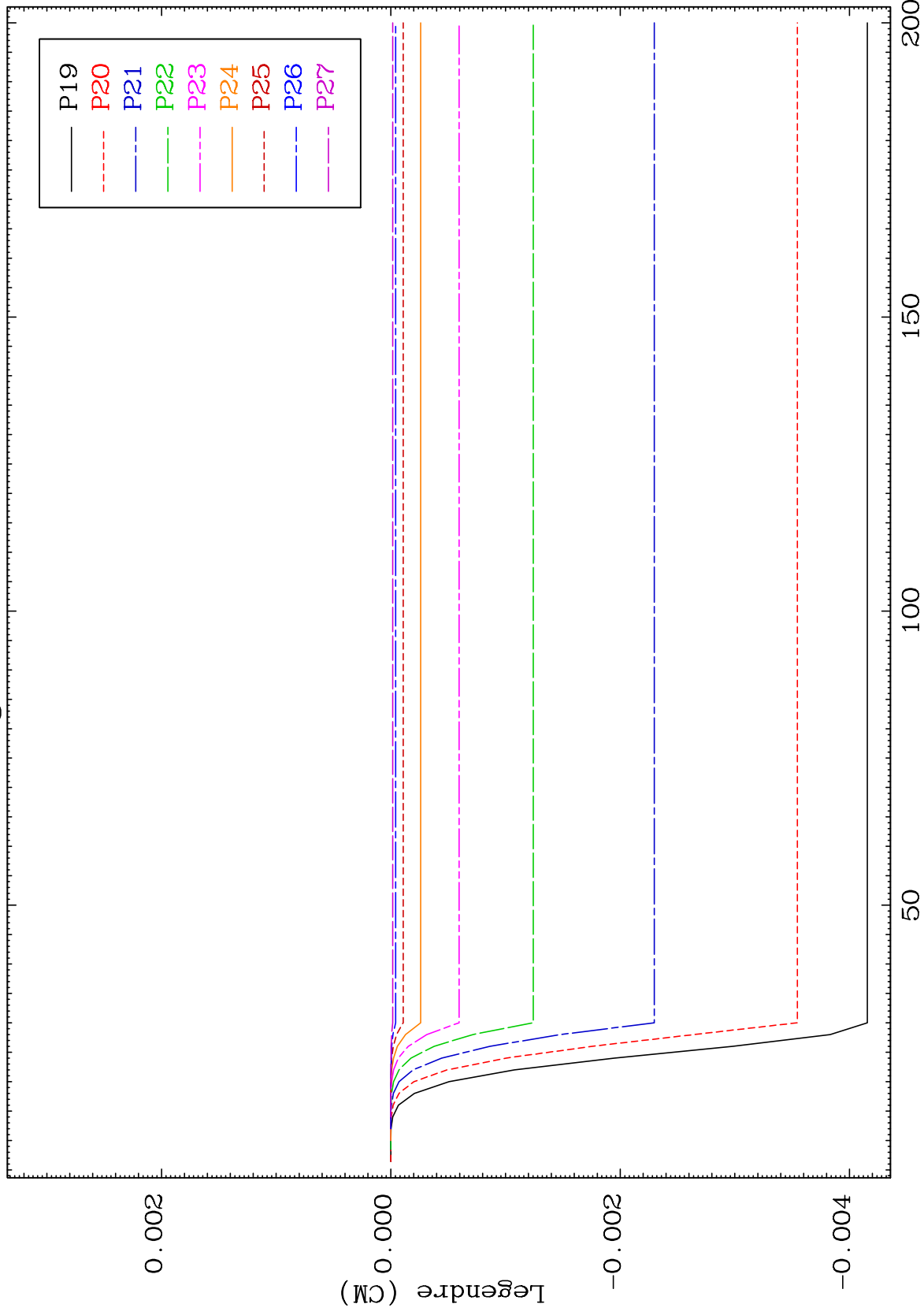
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MAT 6410

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

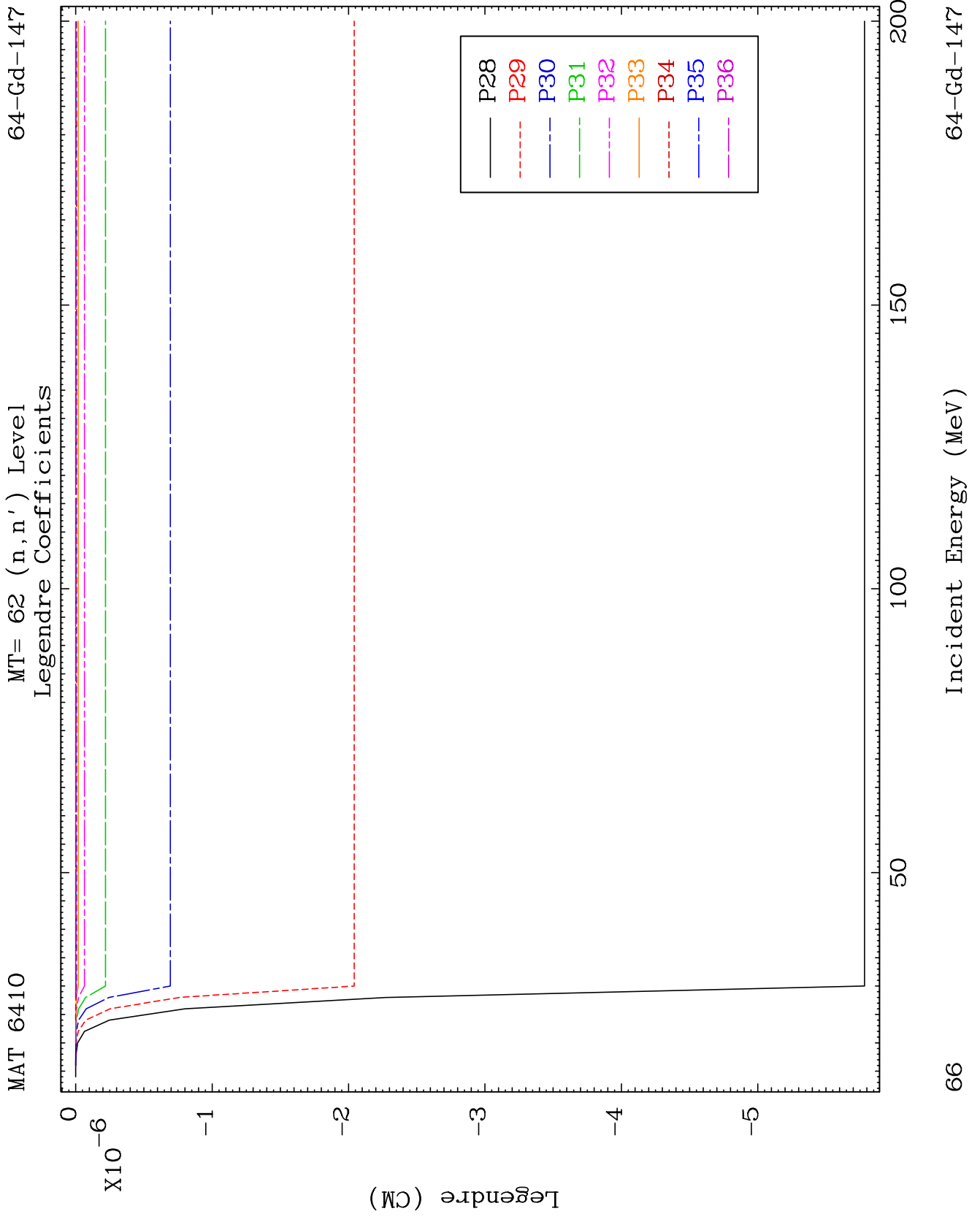
64-Gd-147



65

Incident Energy (MeV)

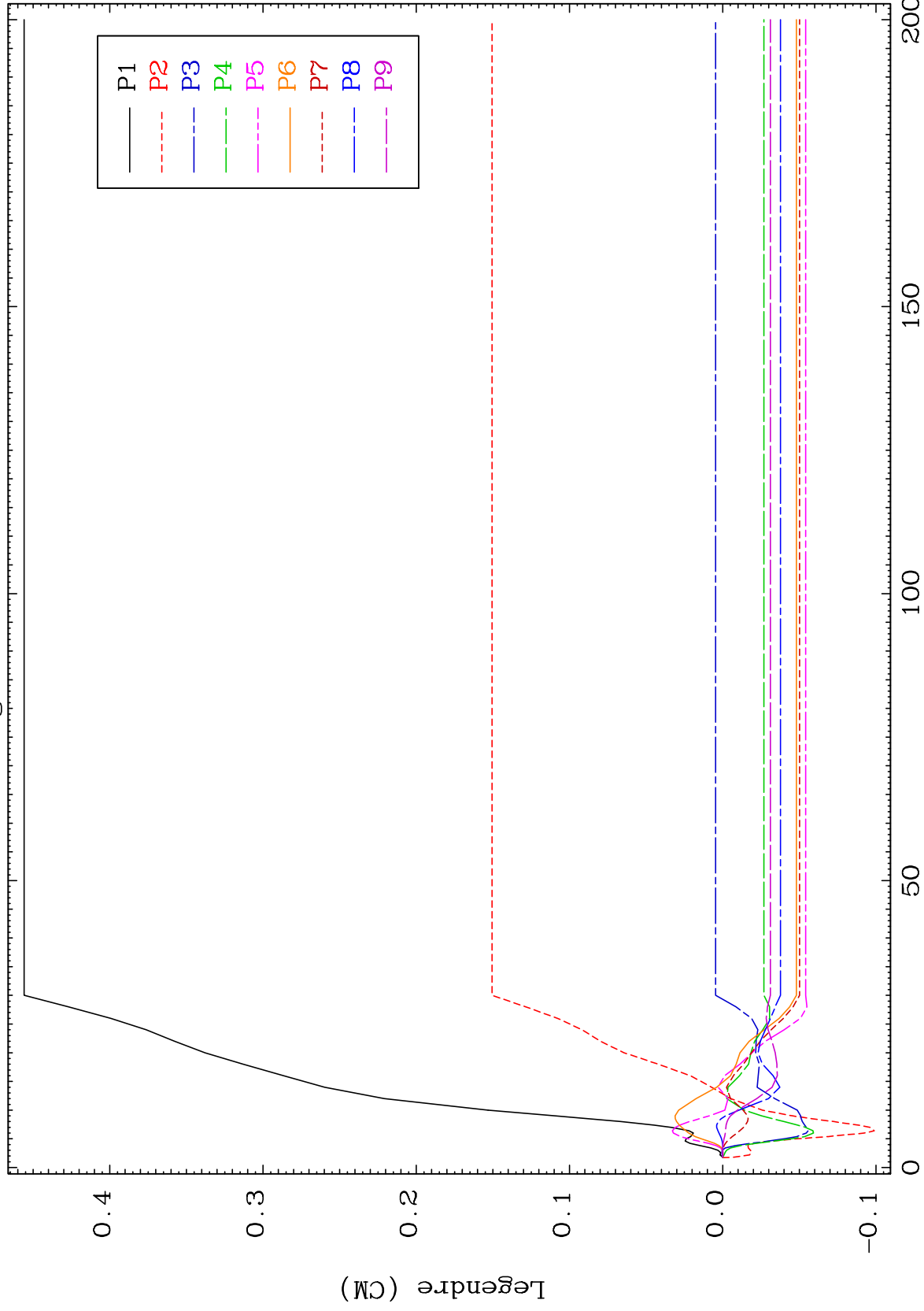
64-Gd-147



MAT 6410

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

64-Gd-147



67

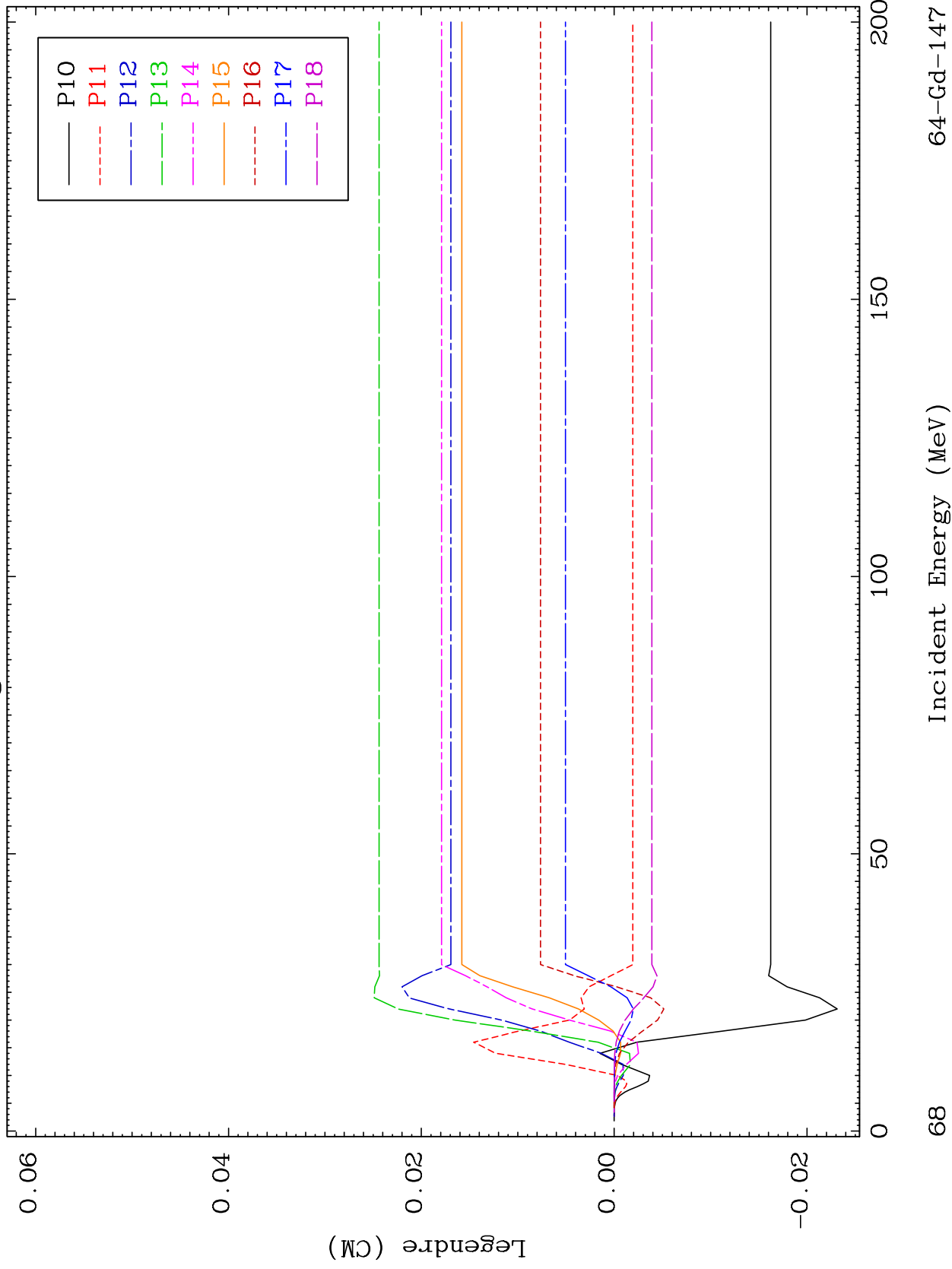
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

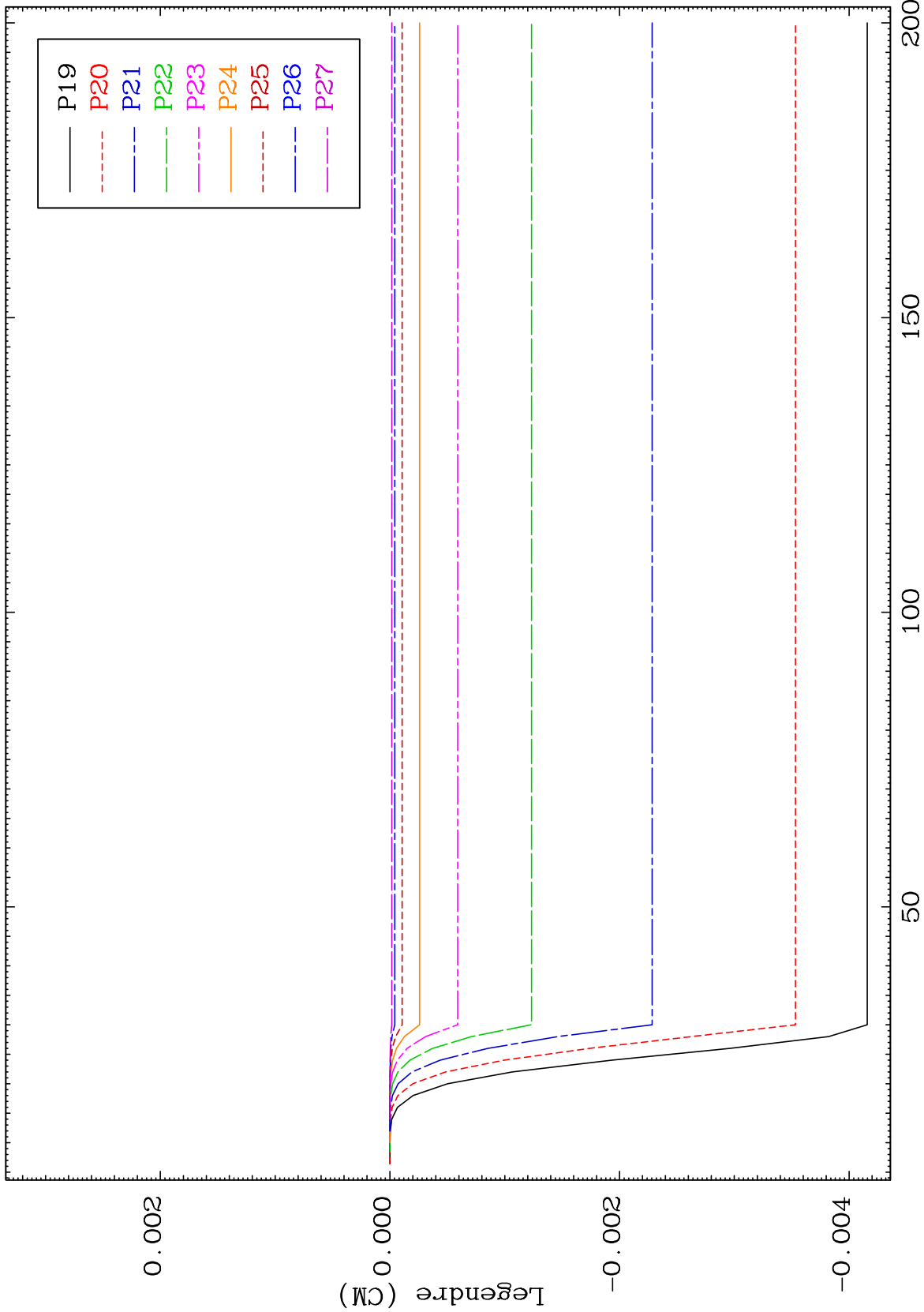
64-Gd-147



MAT 6410

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

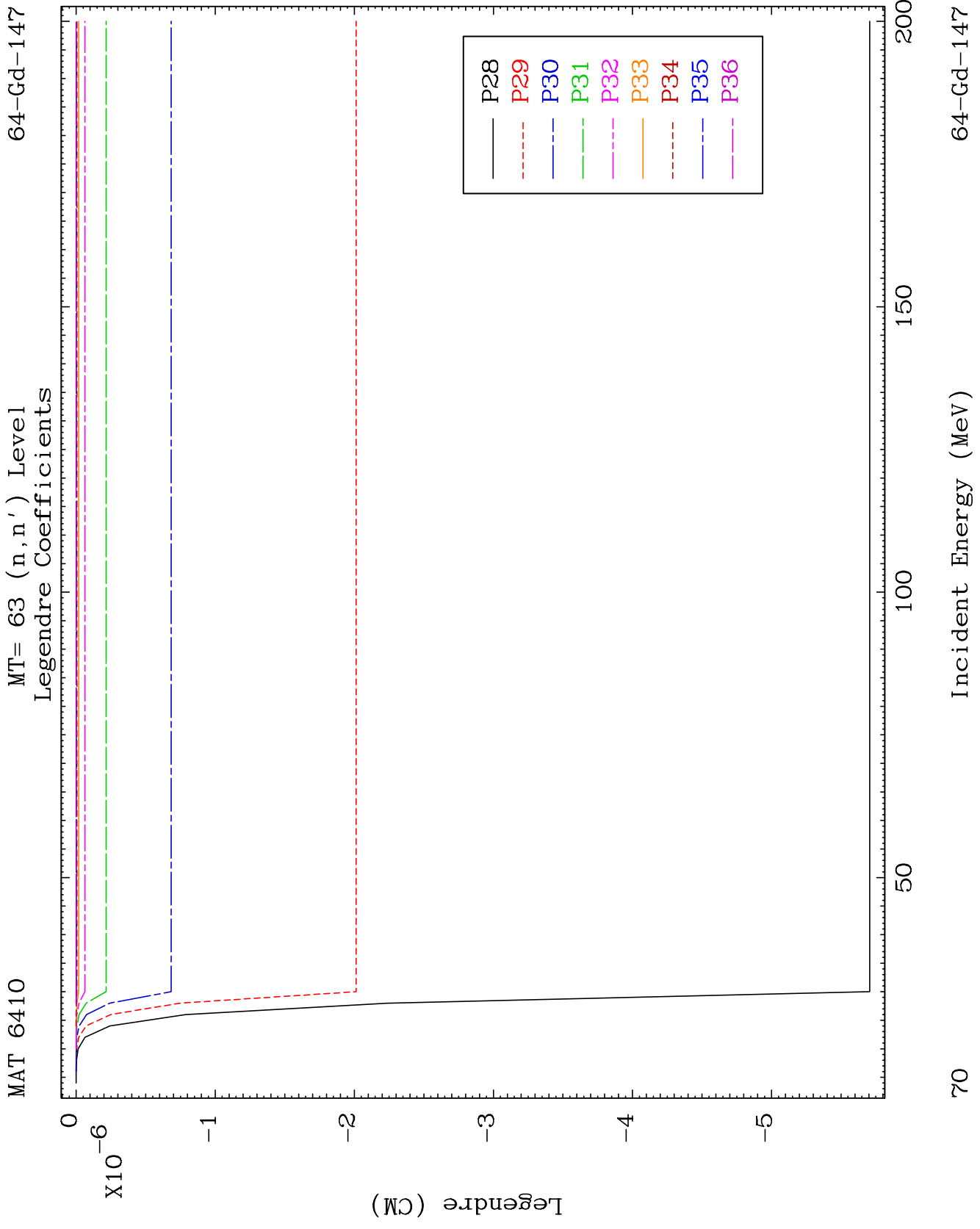
64-Gd-147



69

Incident Energy (MeV)

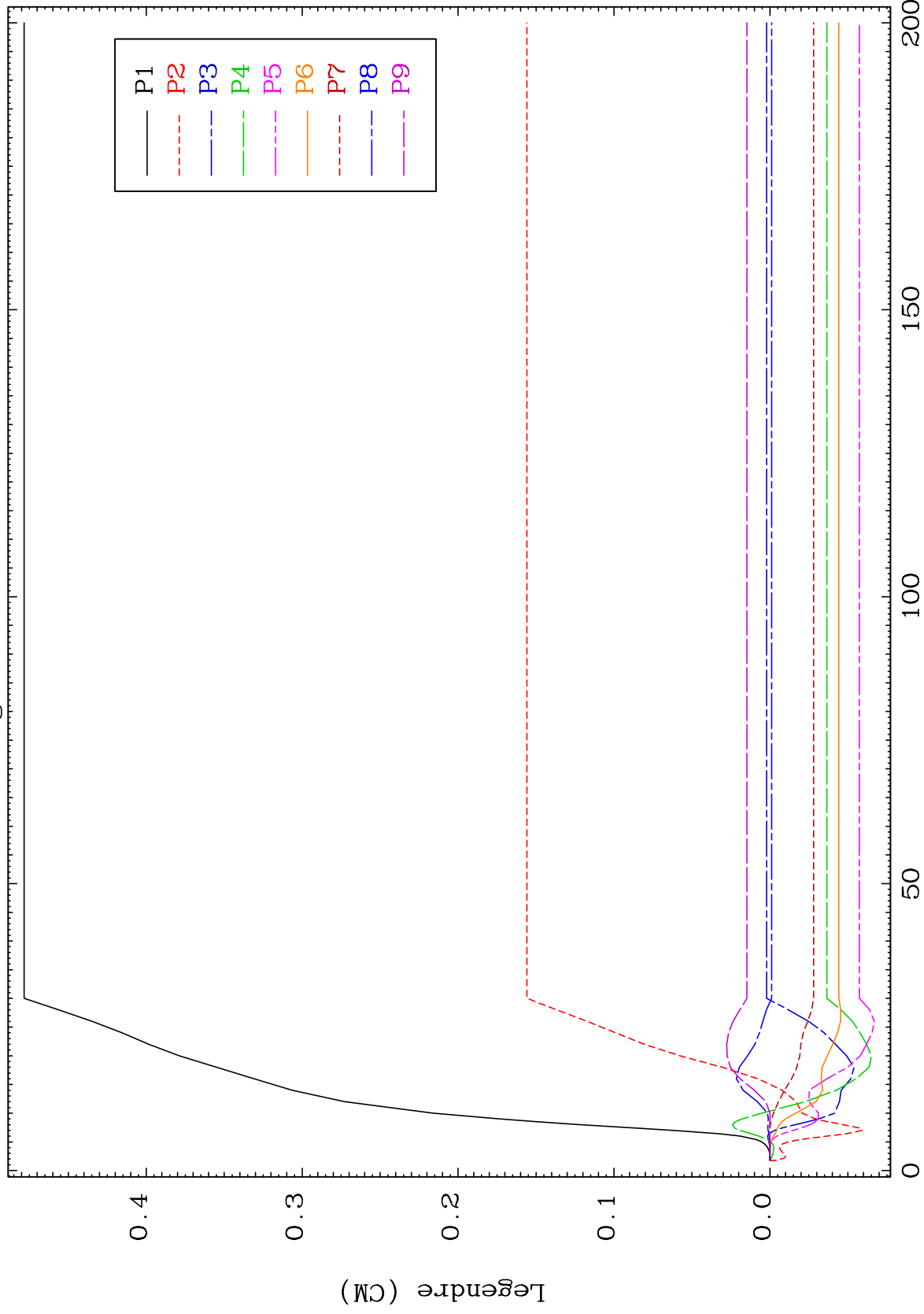
64-Gd-147



MAT 6410

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

64-Gd-147



71

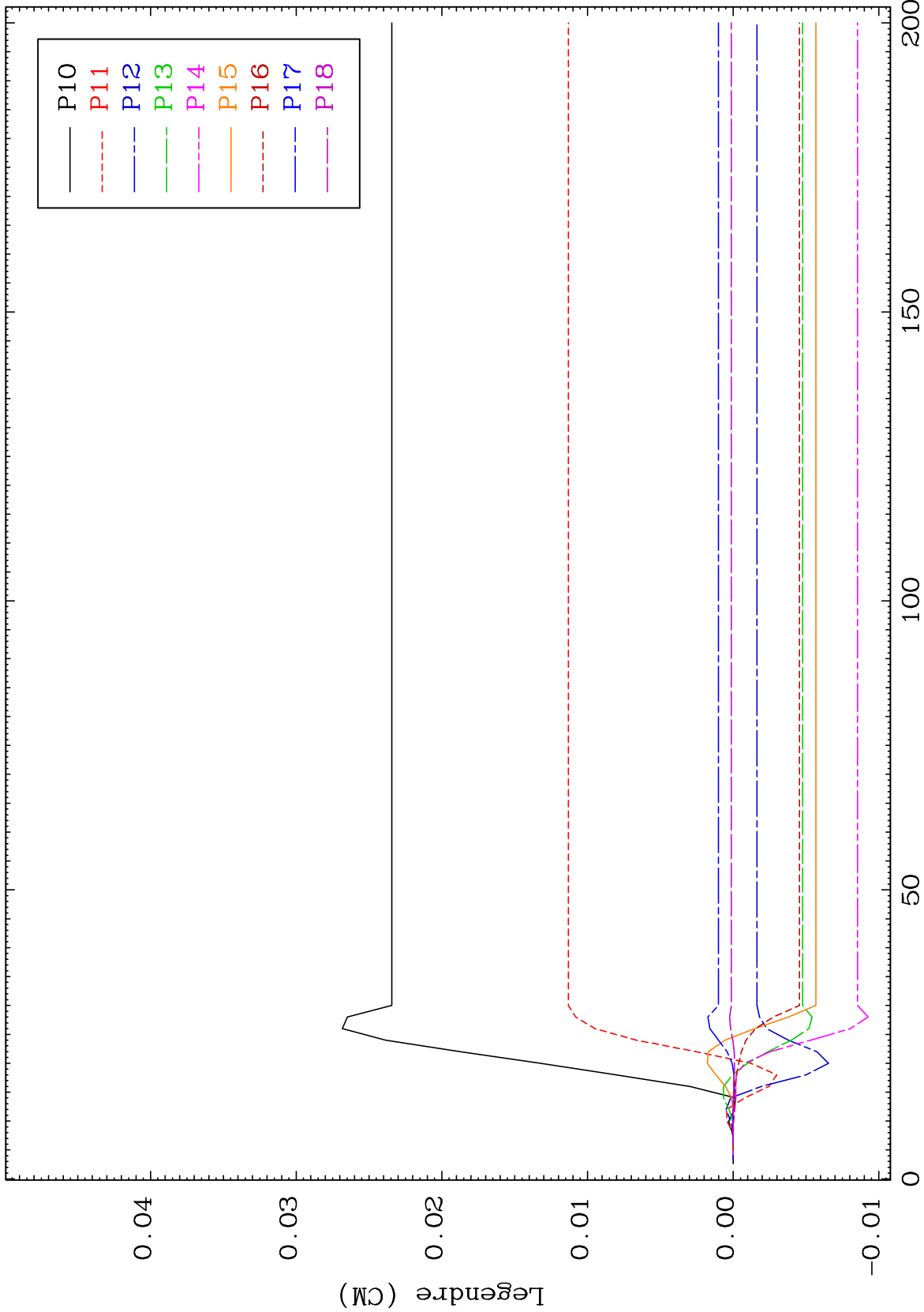
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



72

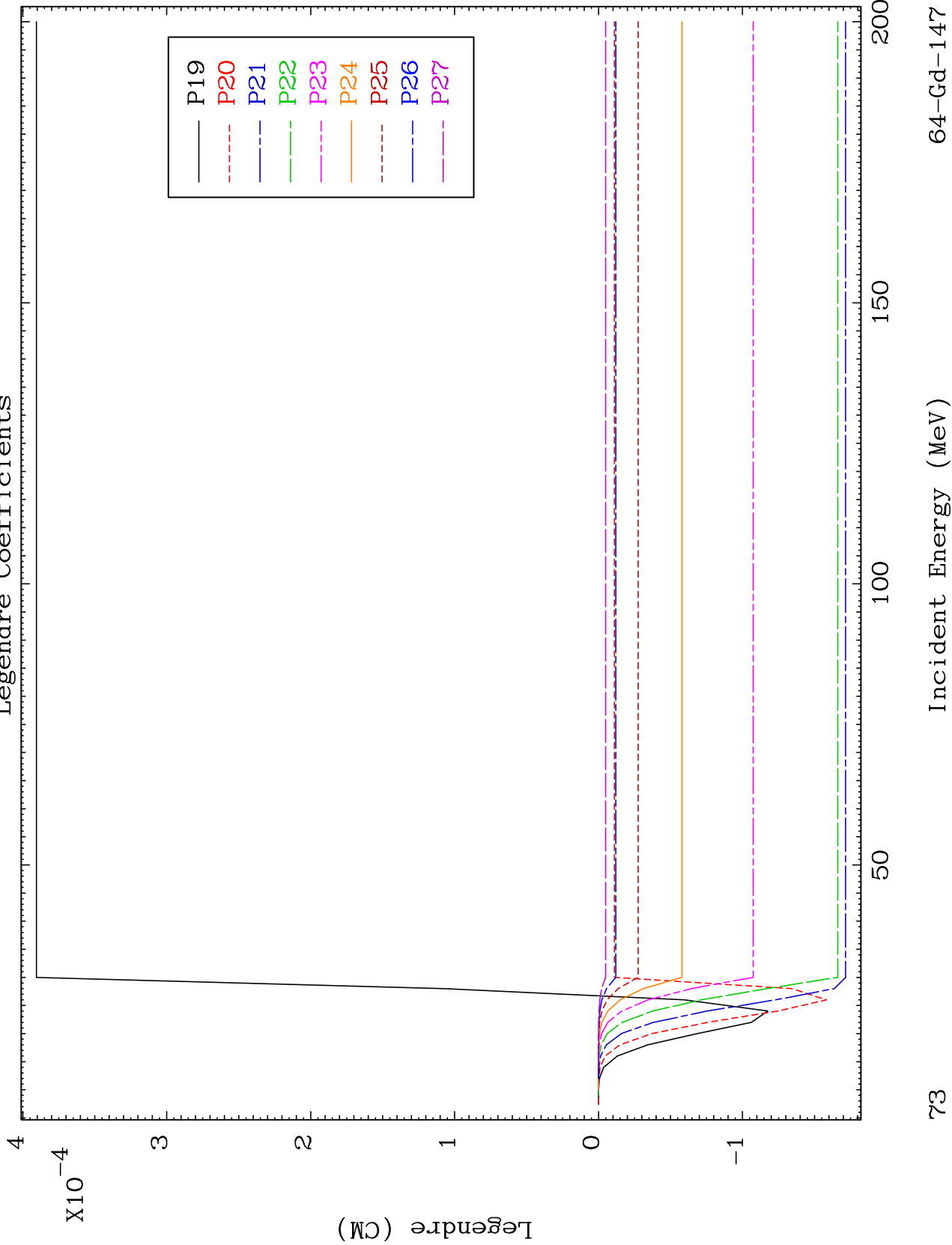
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



73

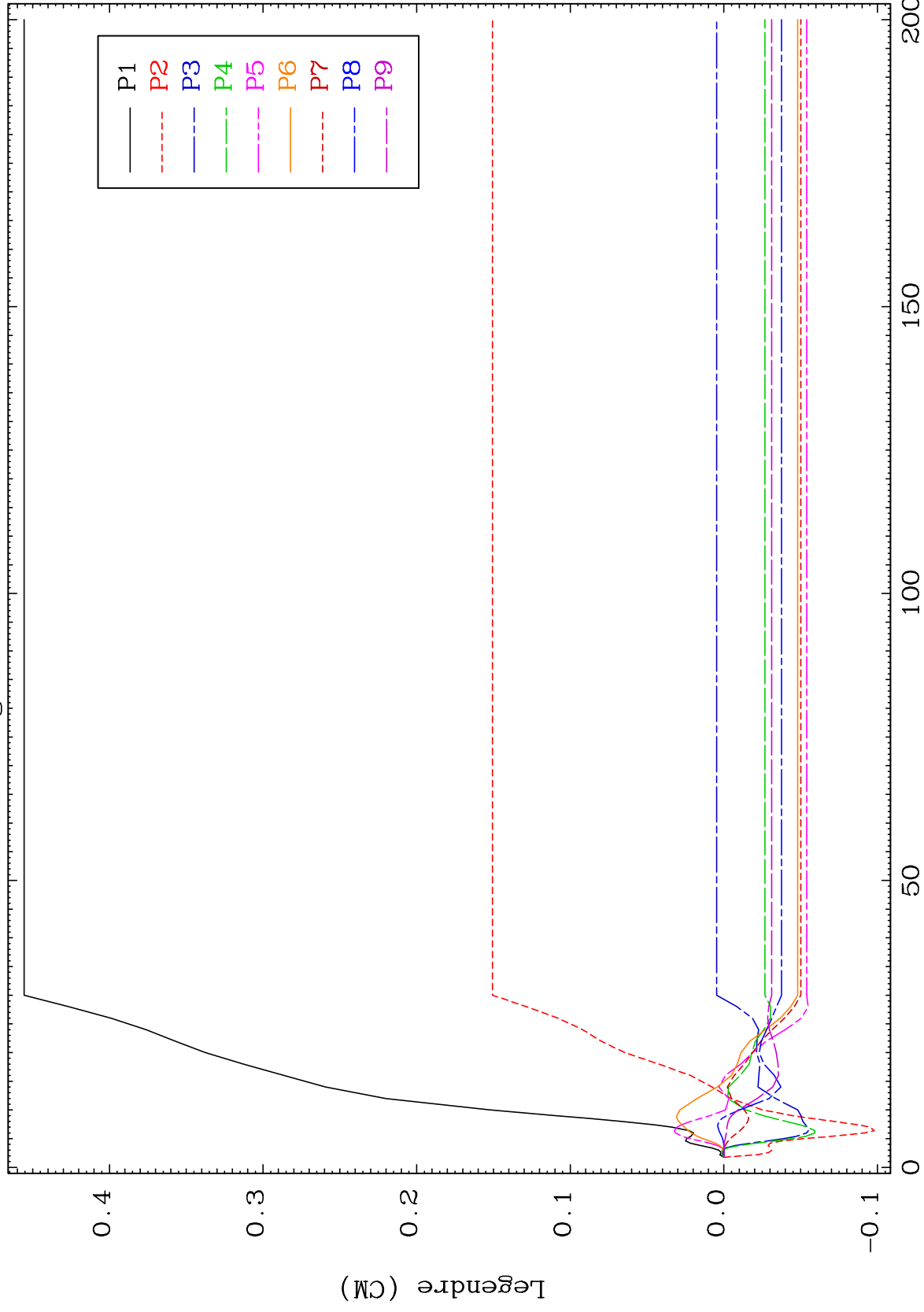
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



75

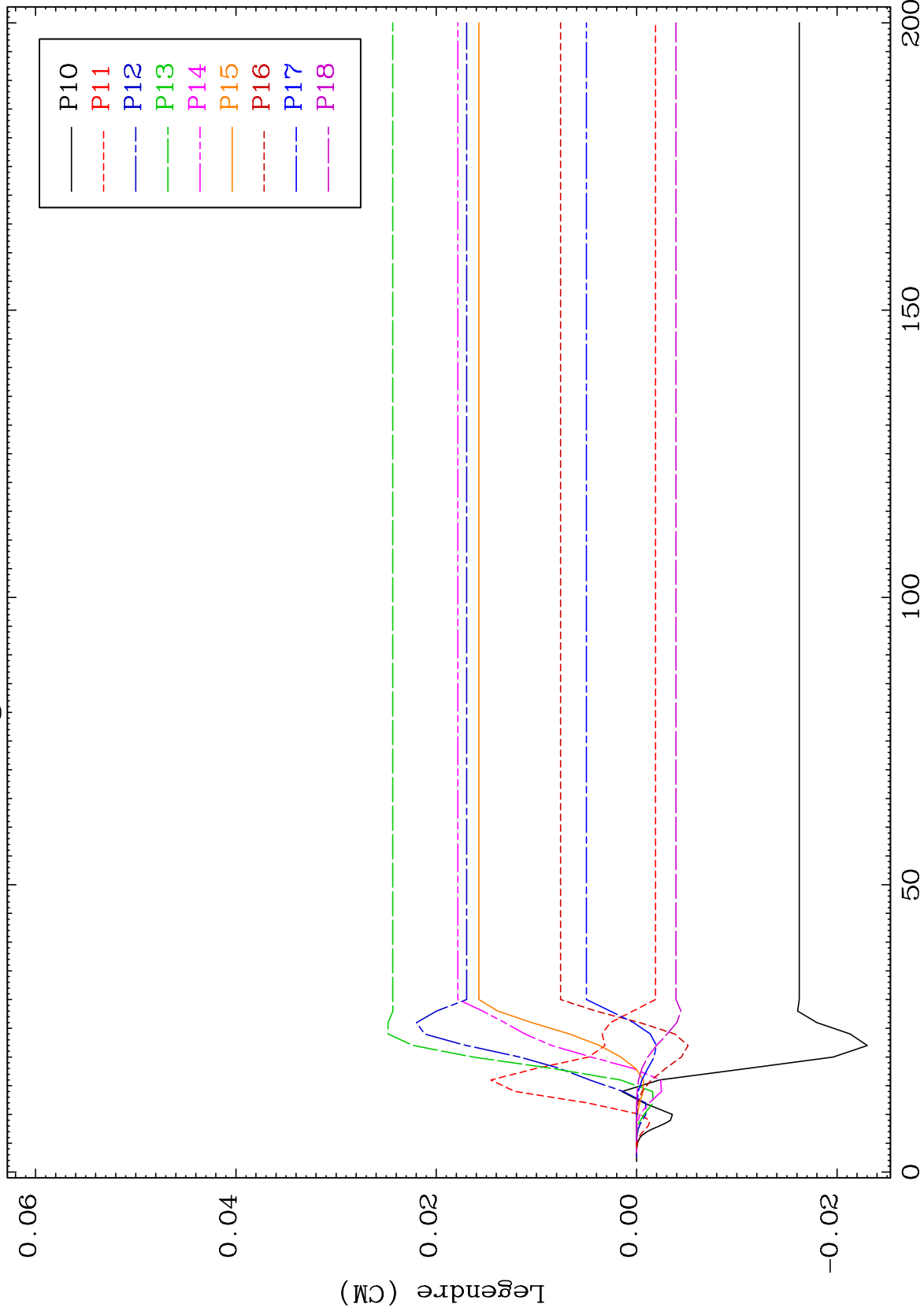
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



76

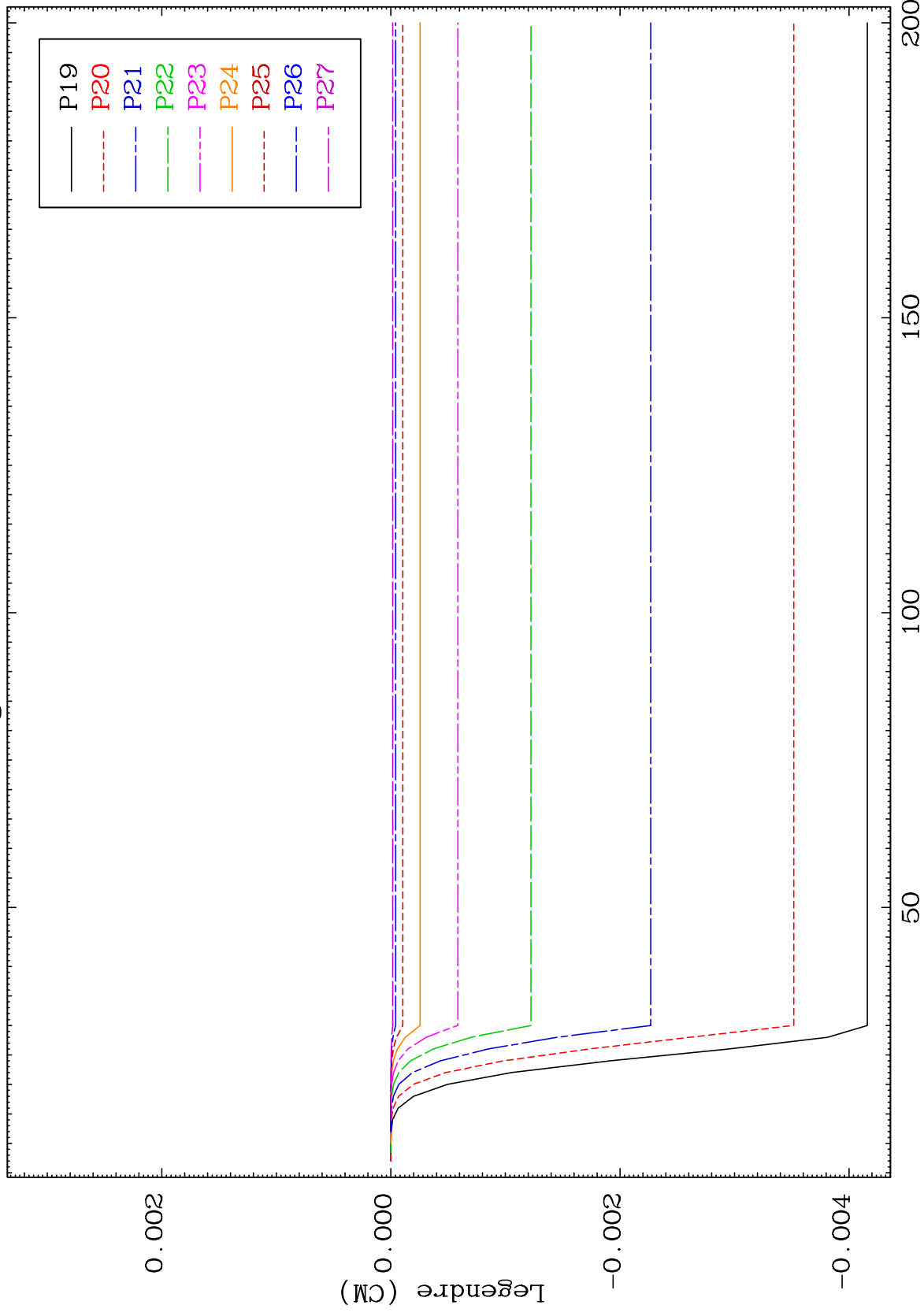
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

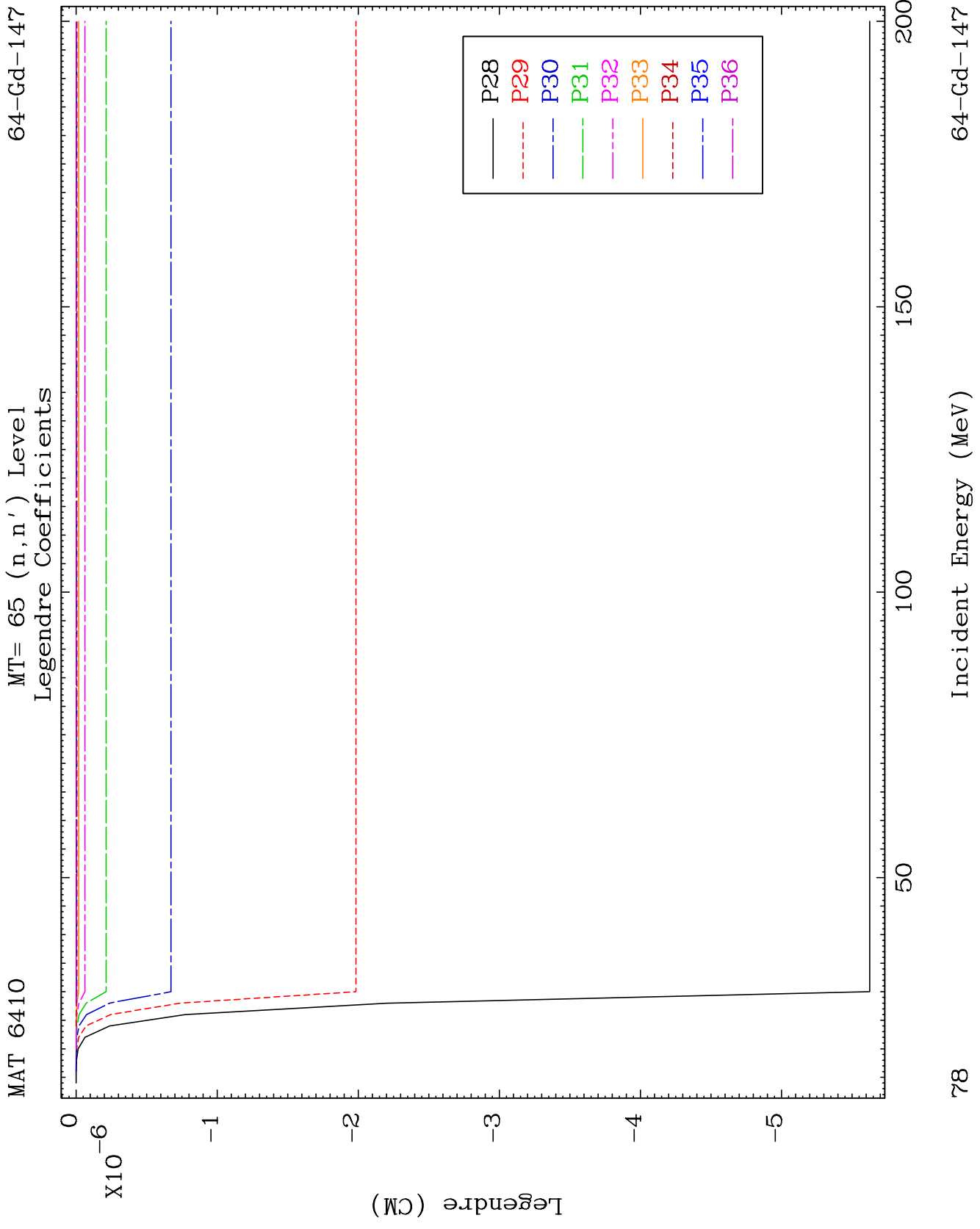
64-Gd-147



77

Incident Energy (MeV)

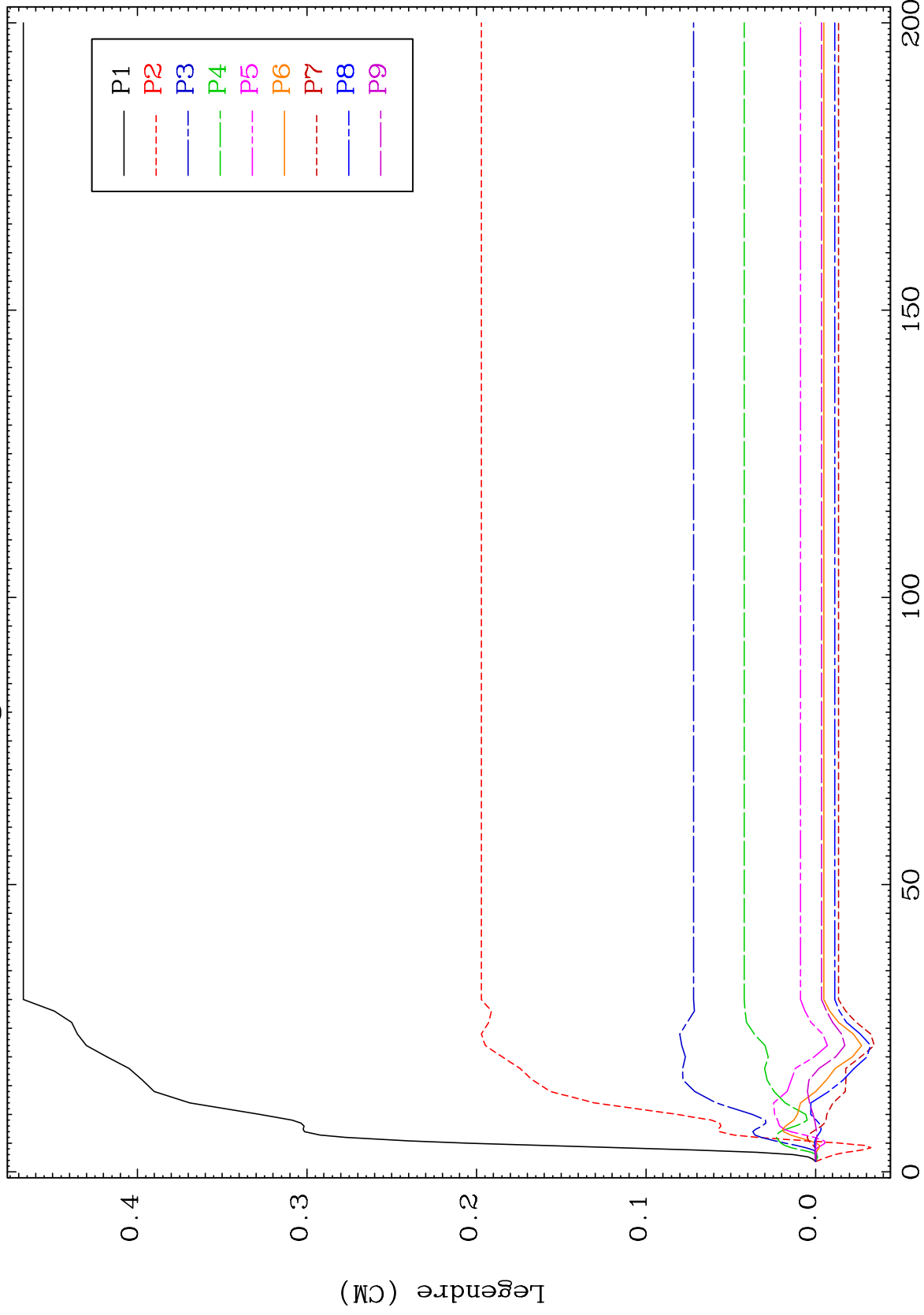
64-Gd-147



MAT 6410

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

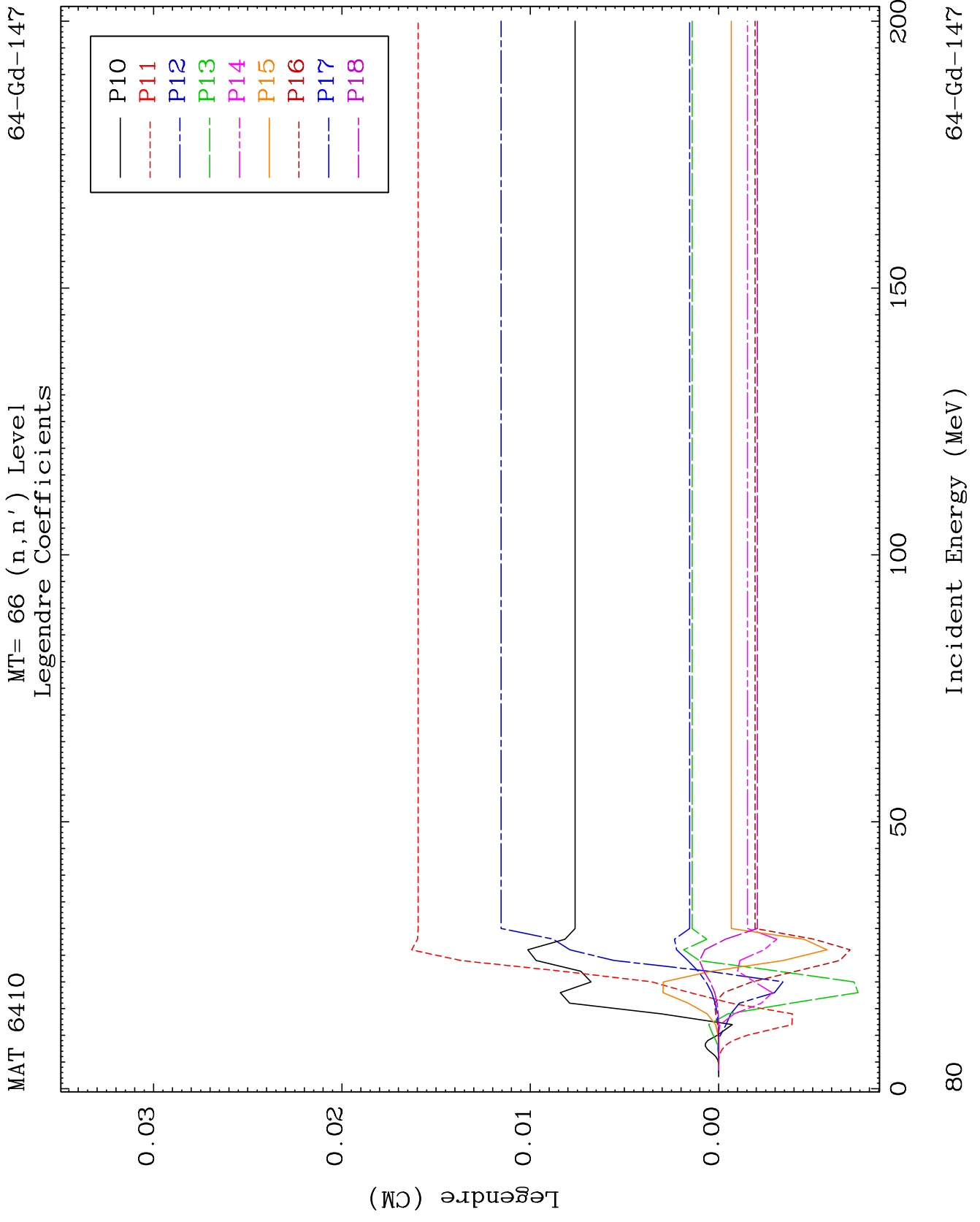
64-Gd-147



79

Incident Energy (MeV)

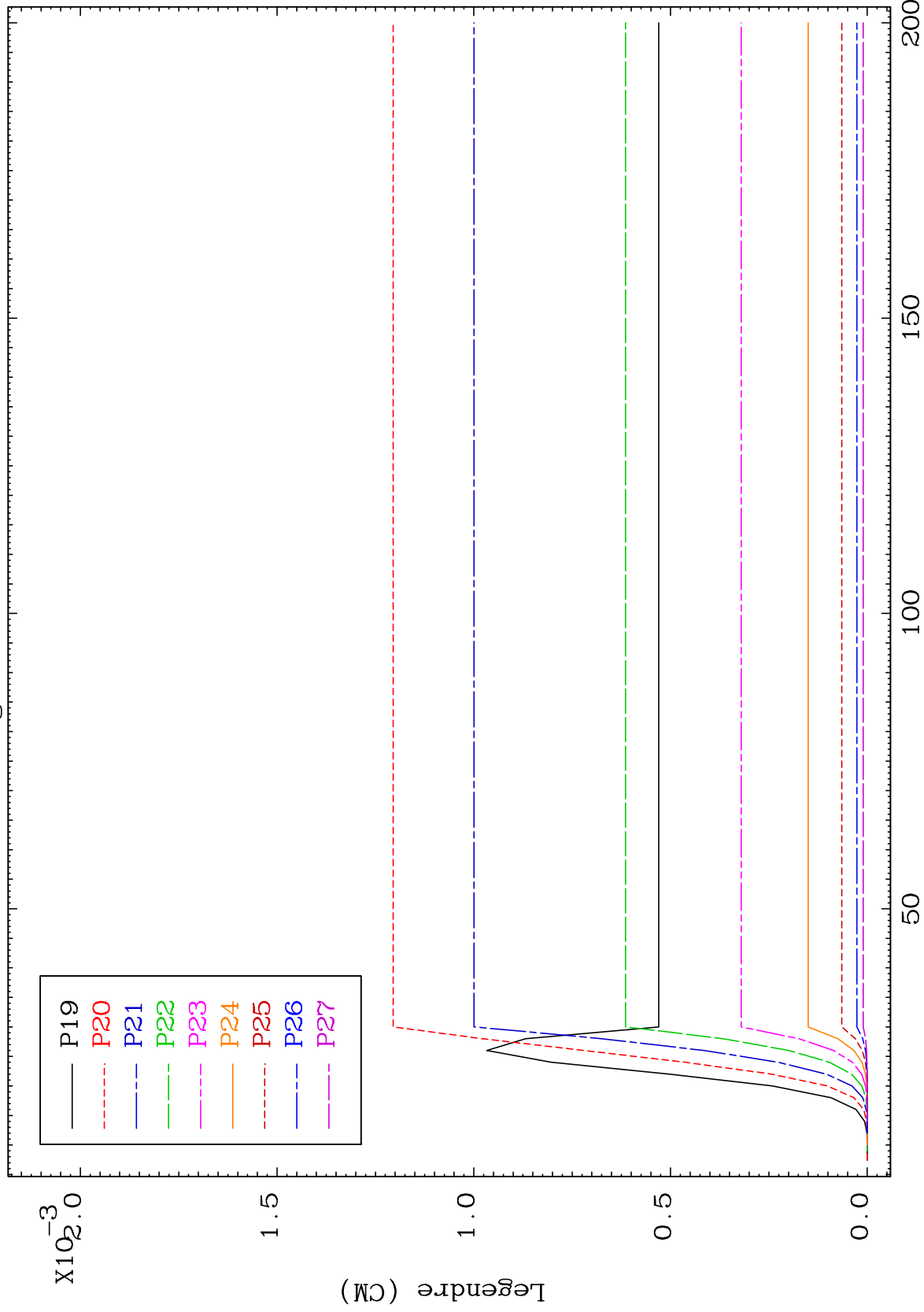
64-Gd-147



MAT 6410

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

64-Gd-147



81

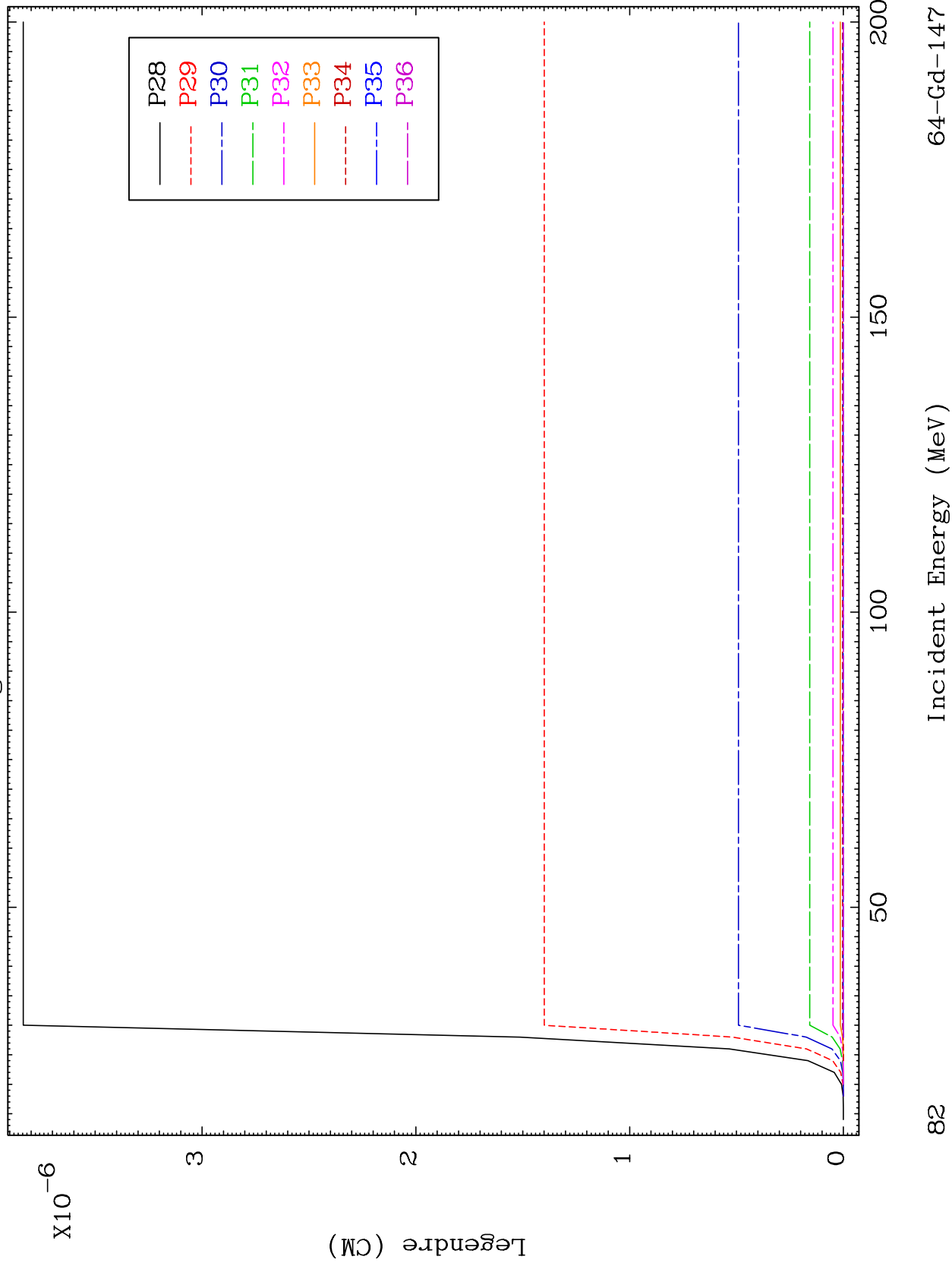
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

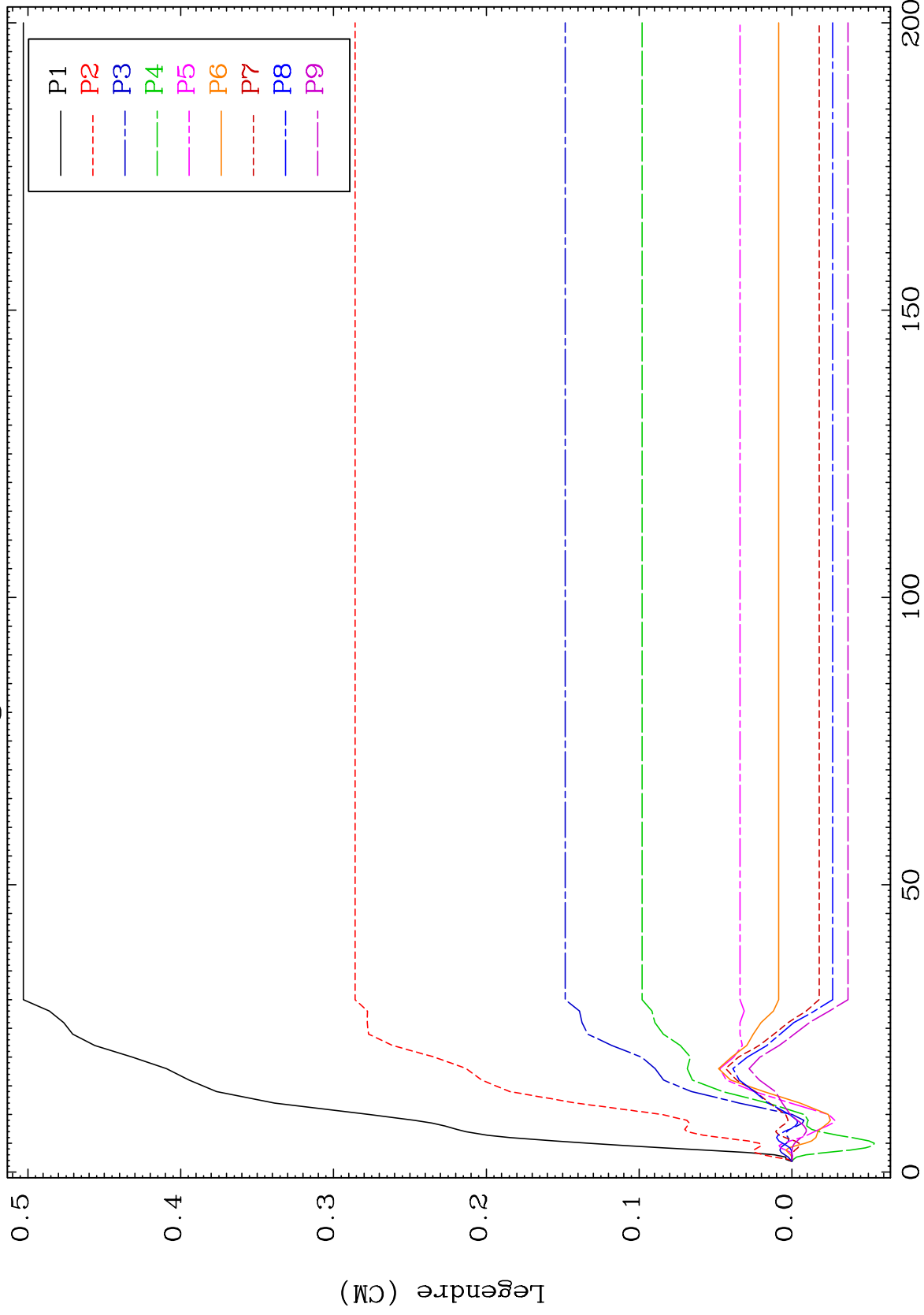
64-Gd-147



MAT 6410

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

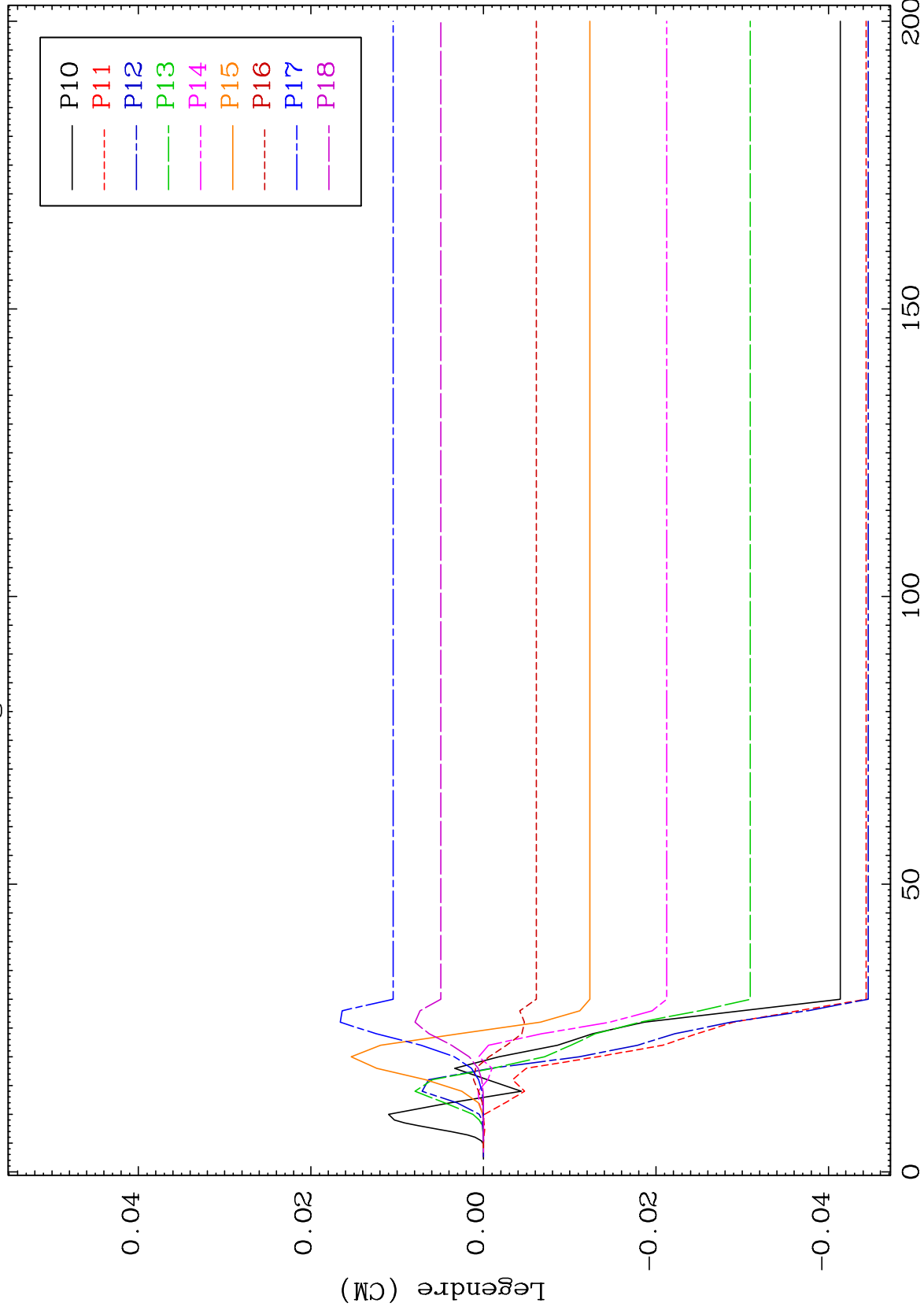
64-Gd-147



MAT 6410

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

64-Gd-147



84

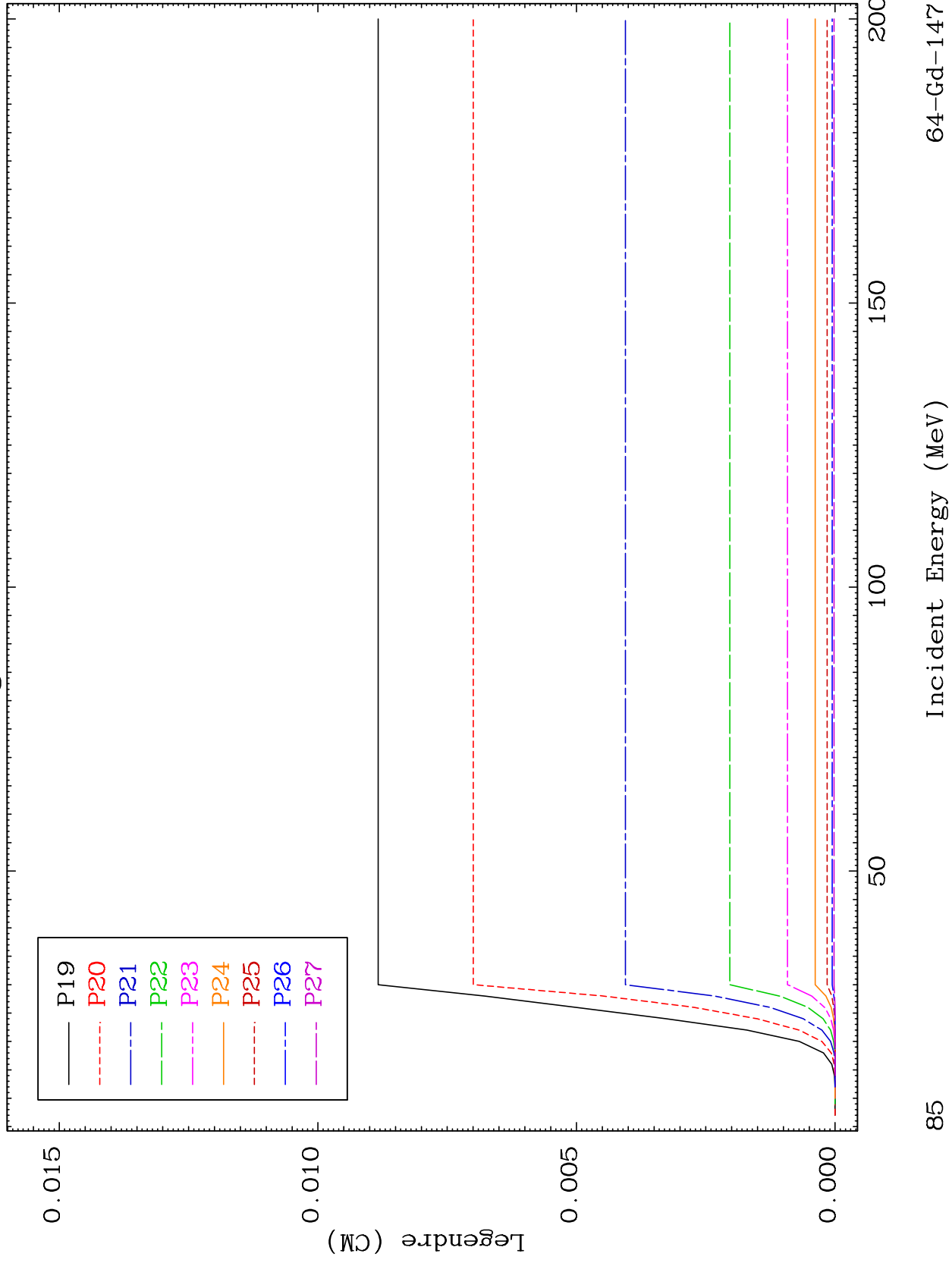
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



64-Gd-147

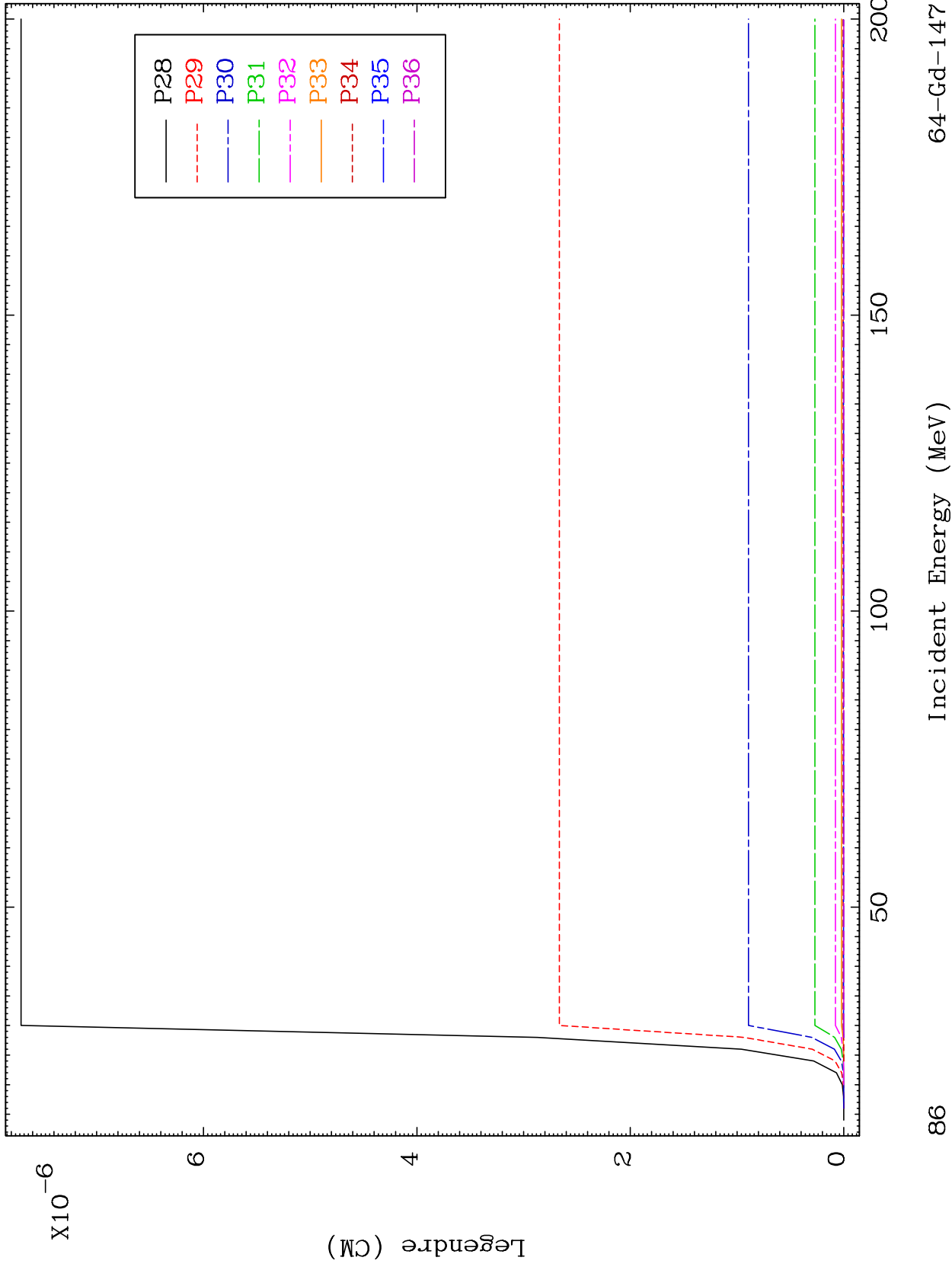
Incident Energy (MeV)

85

MAT 6410

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

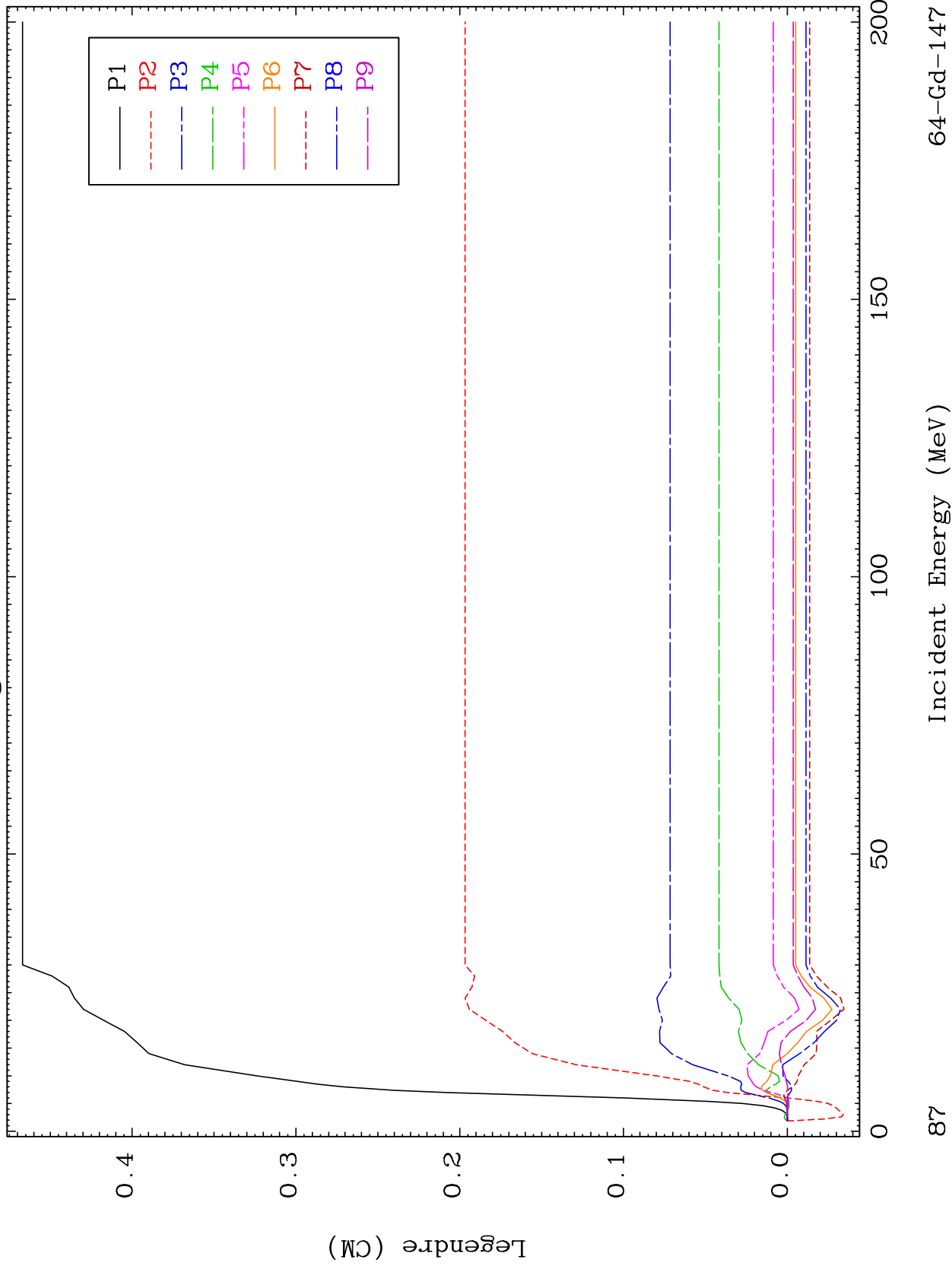
64-Gd-147



MAT 6410

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

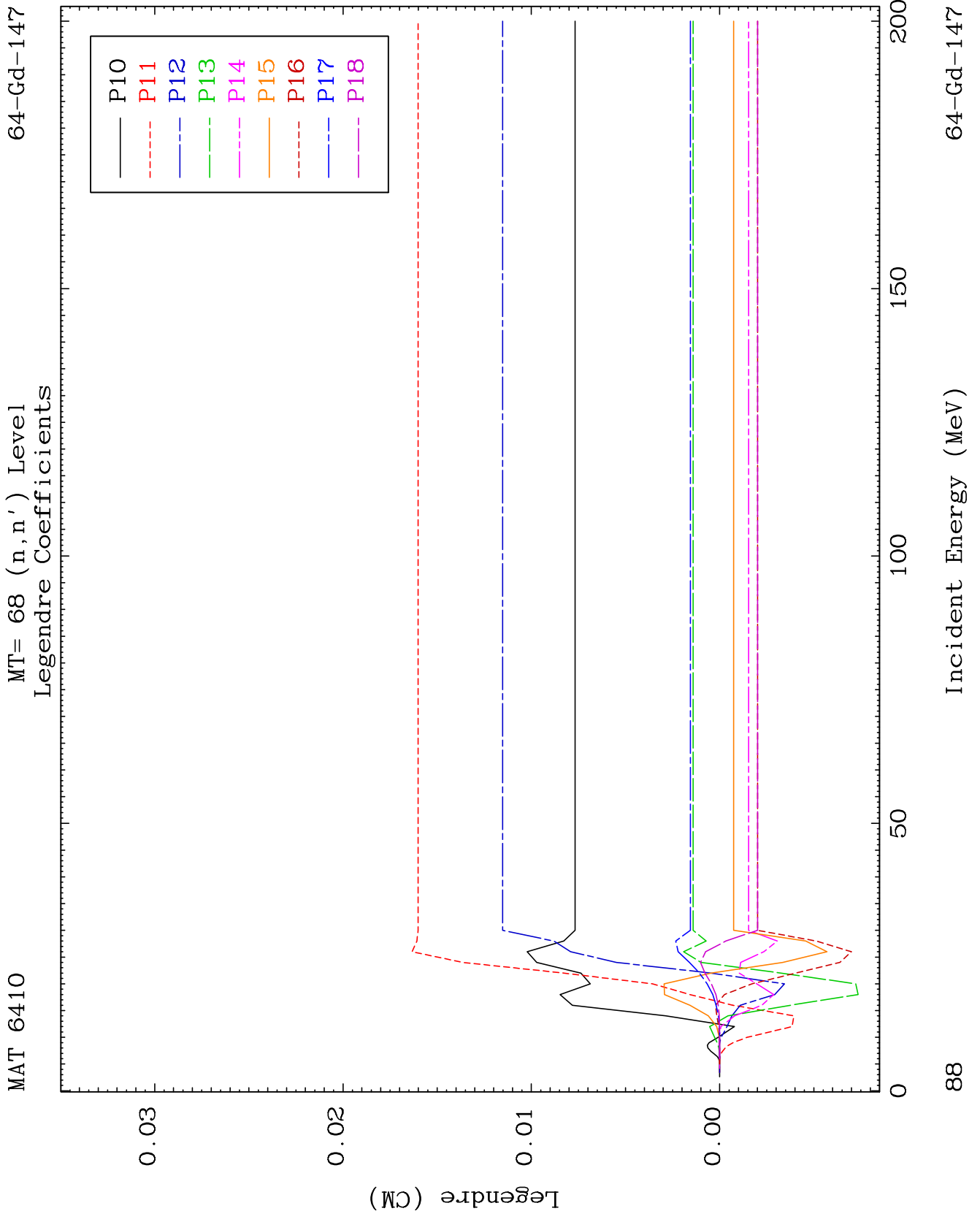
64-Gd-147

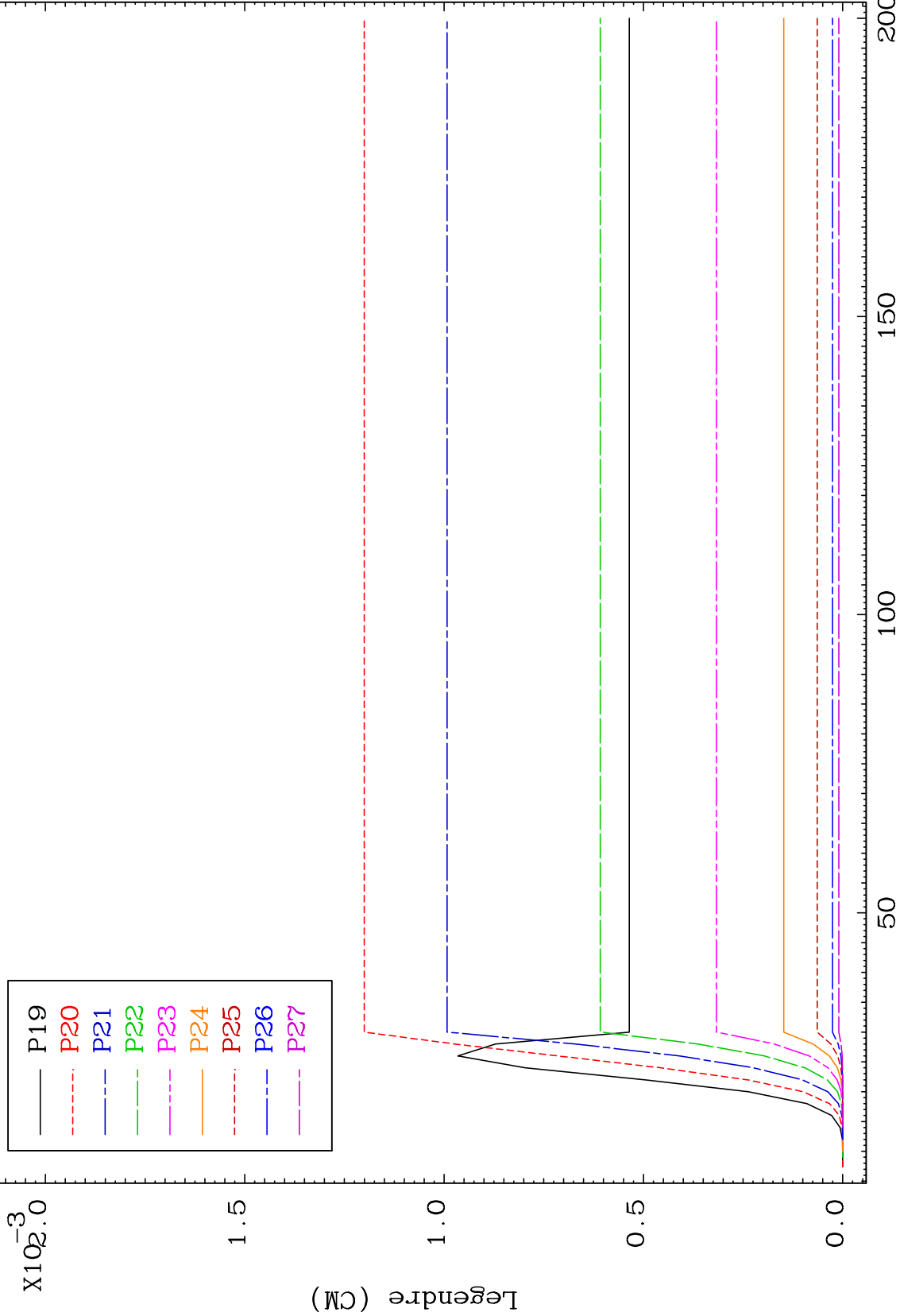
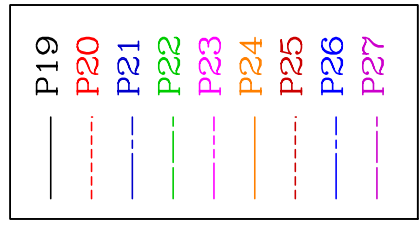


64-Gd-147

Incident Energy (MeV)

87

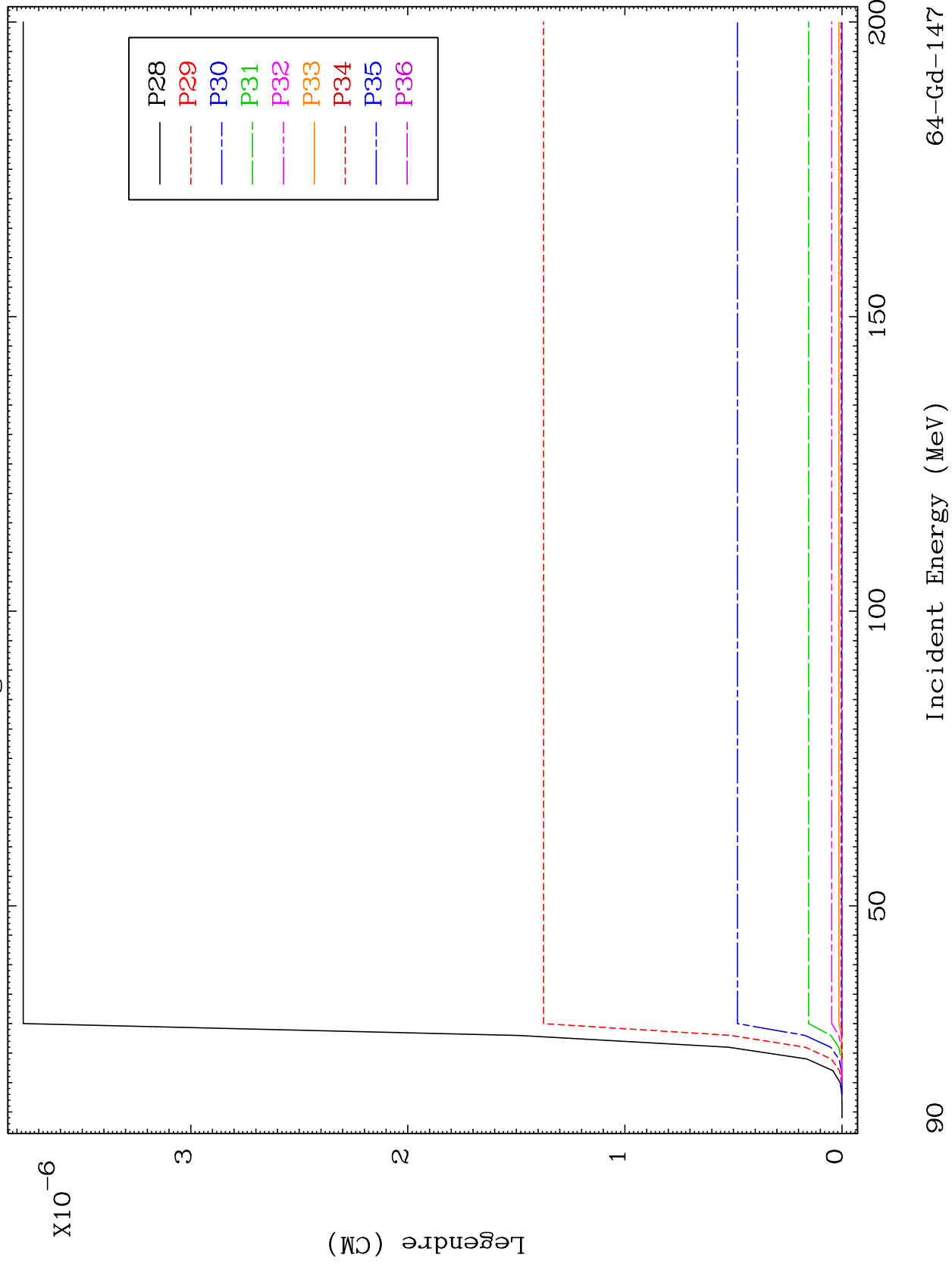


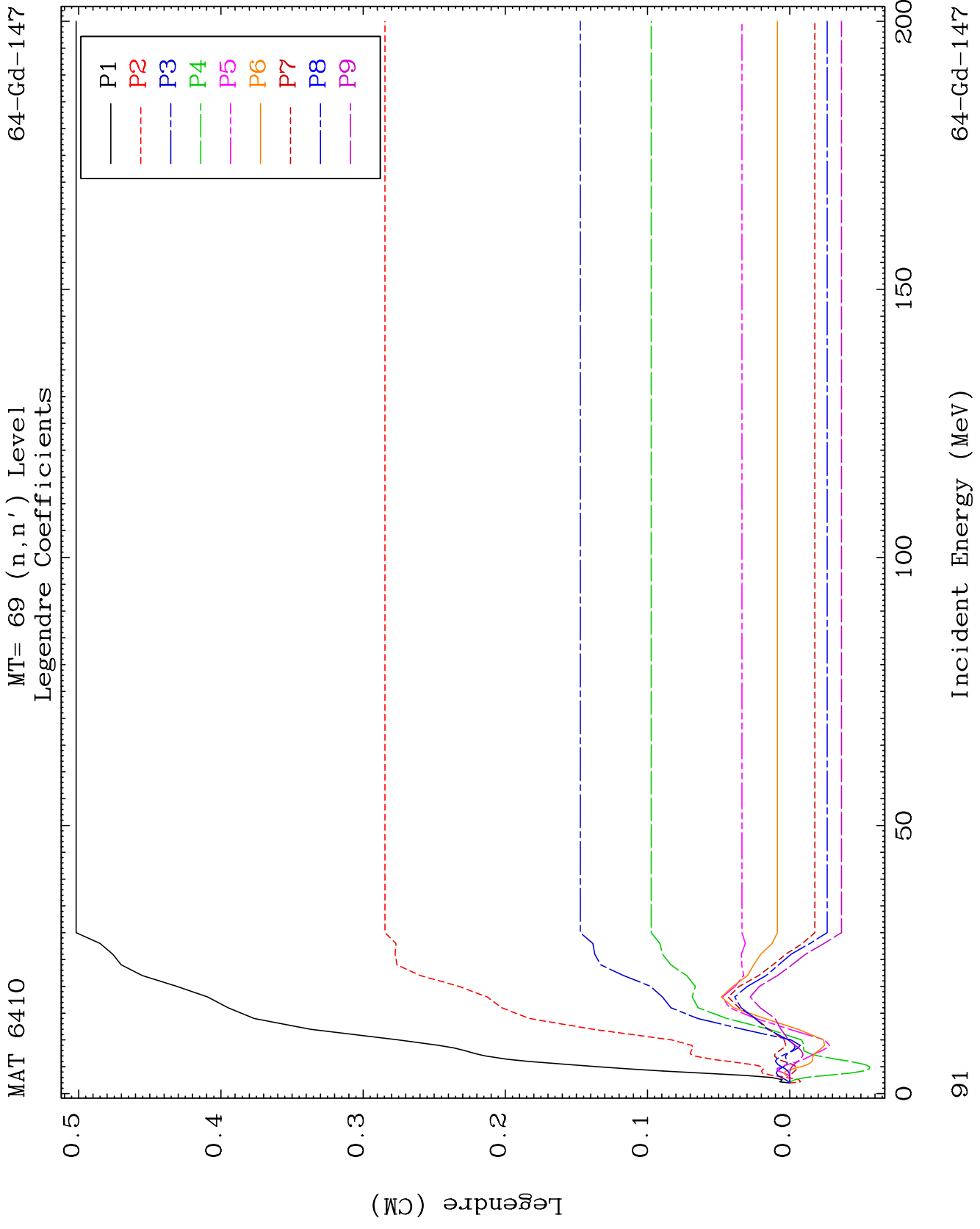


MAT 6410

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

64-Gd-147

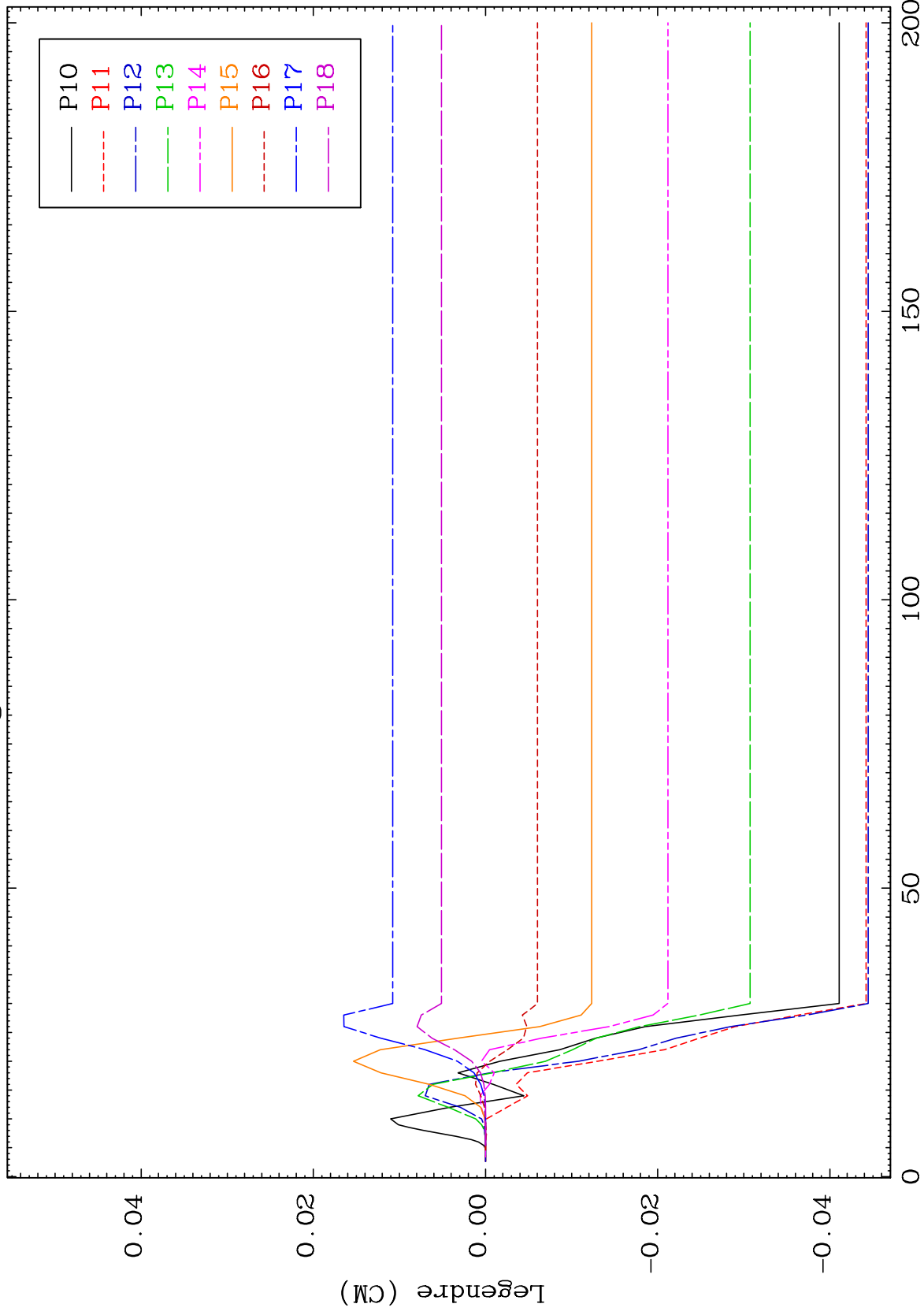




MAT 6410

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

64-Gd-147



92

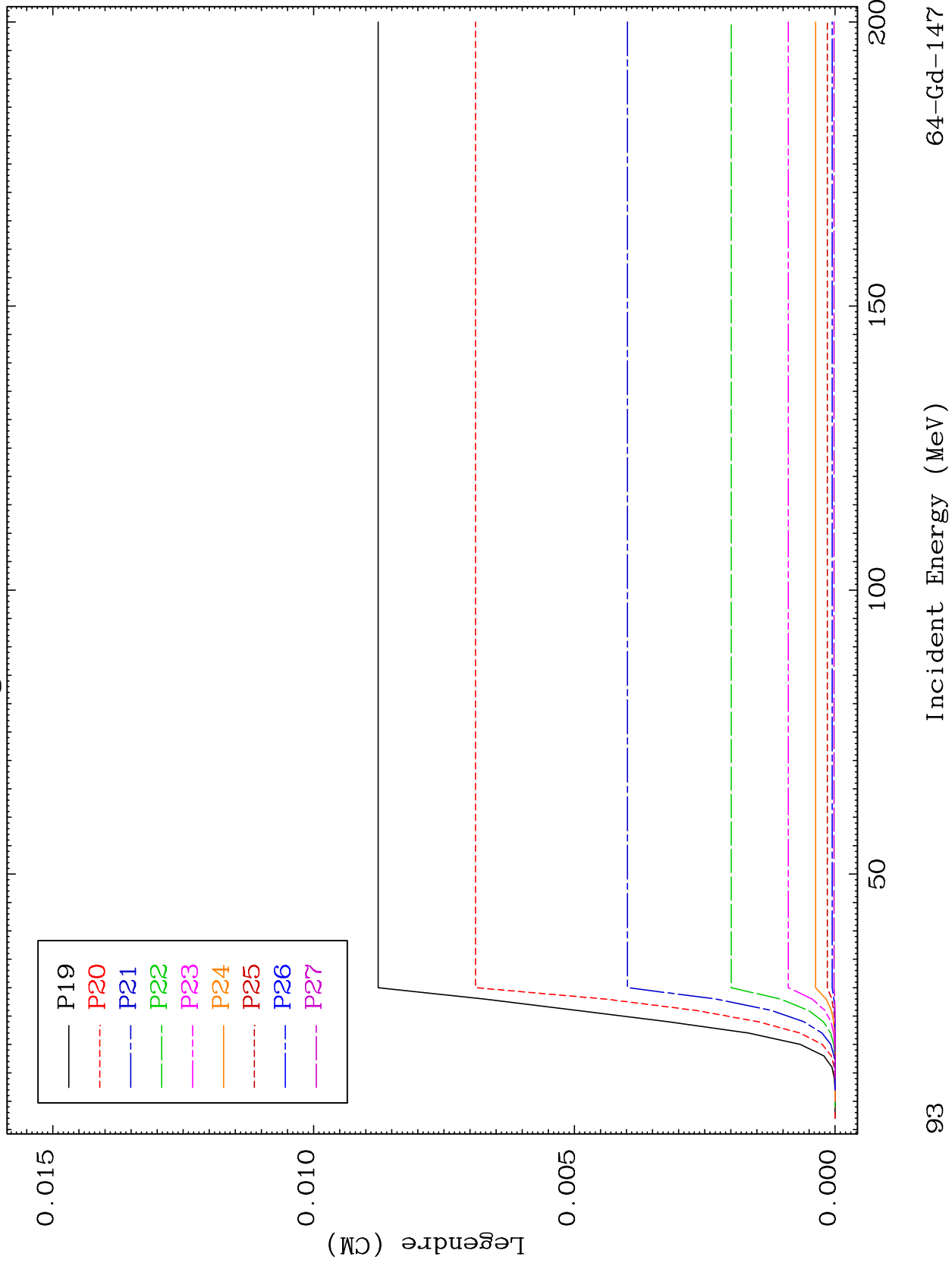
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



93

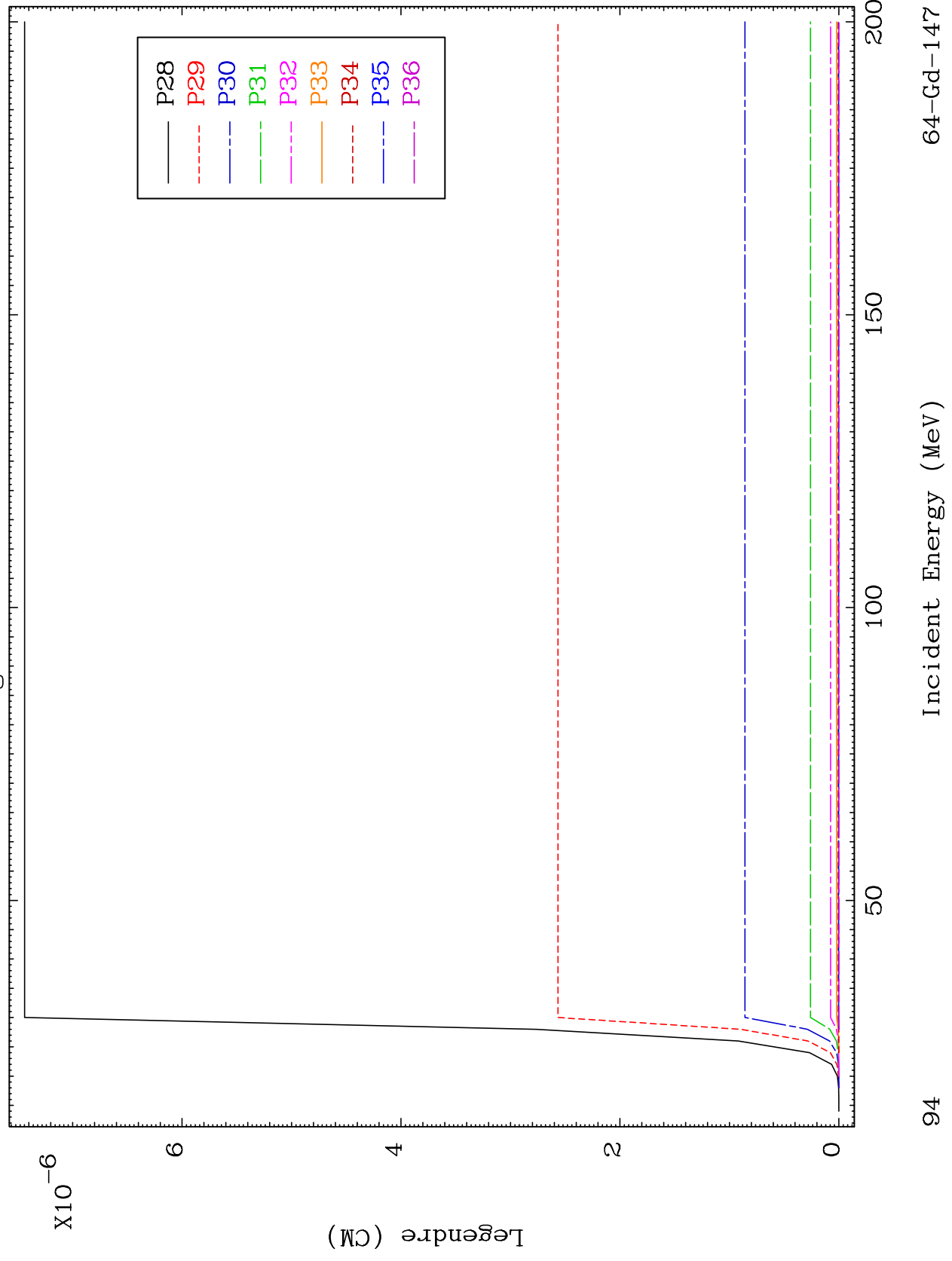
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



94

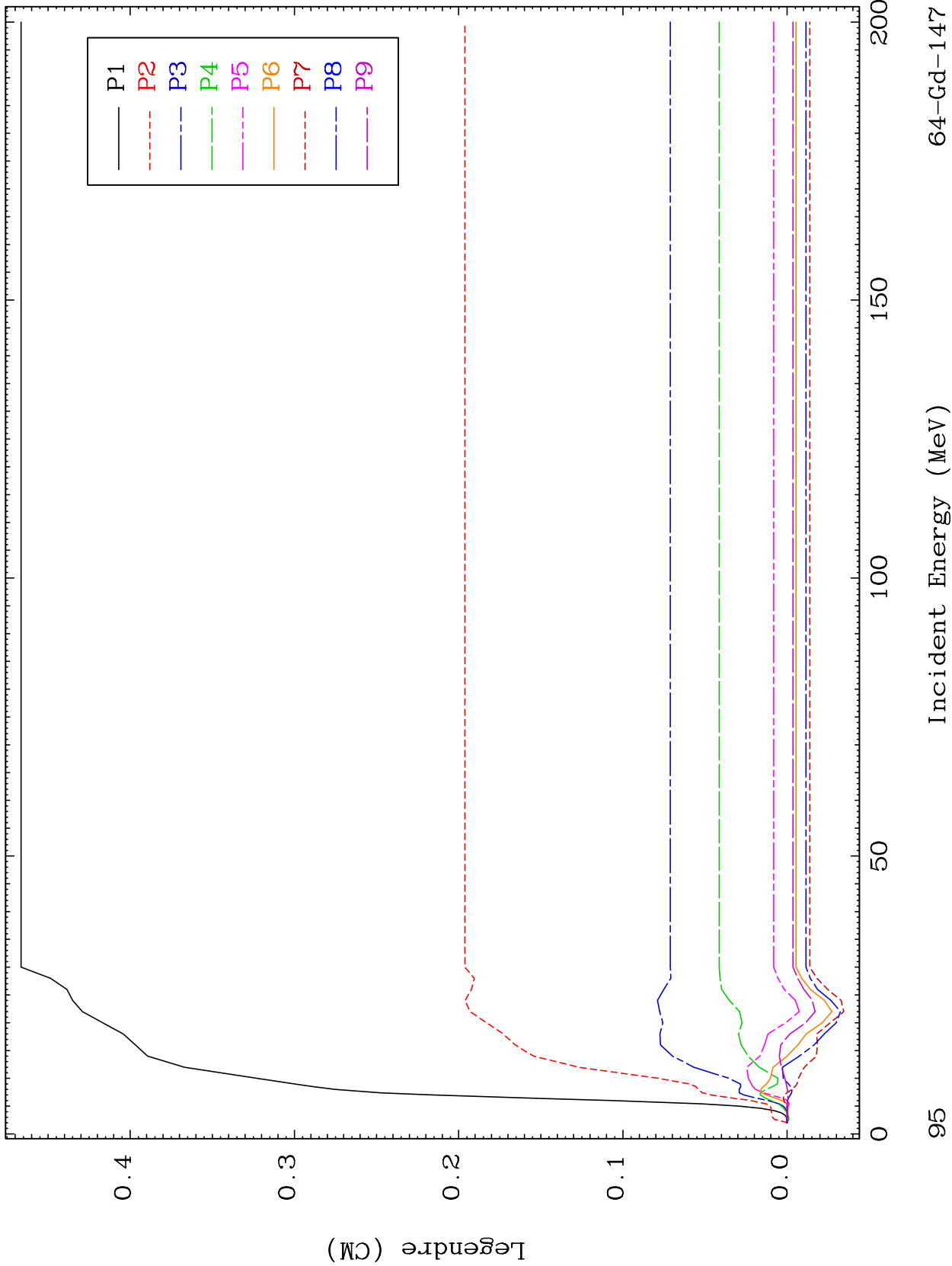
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

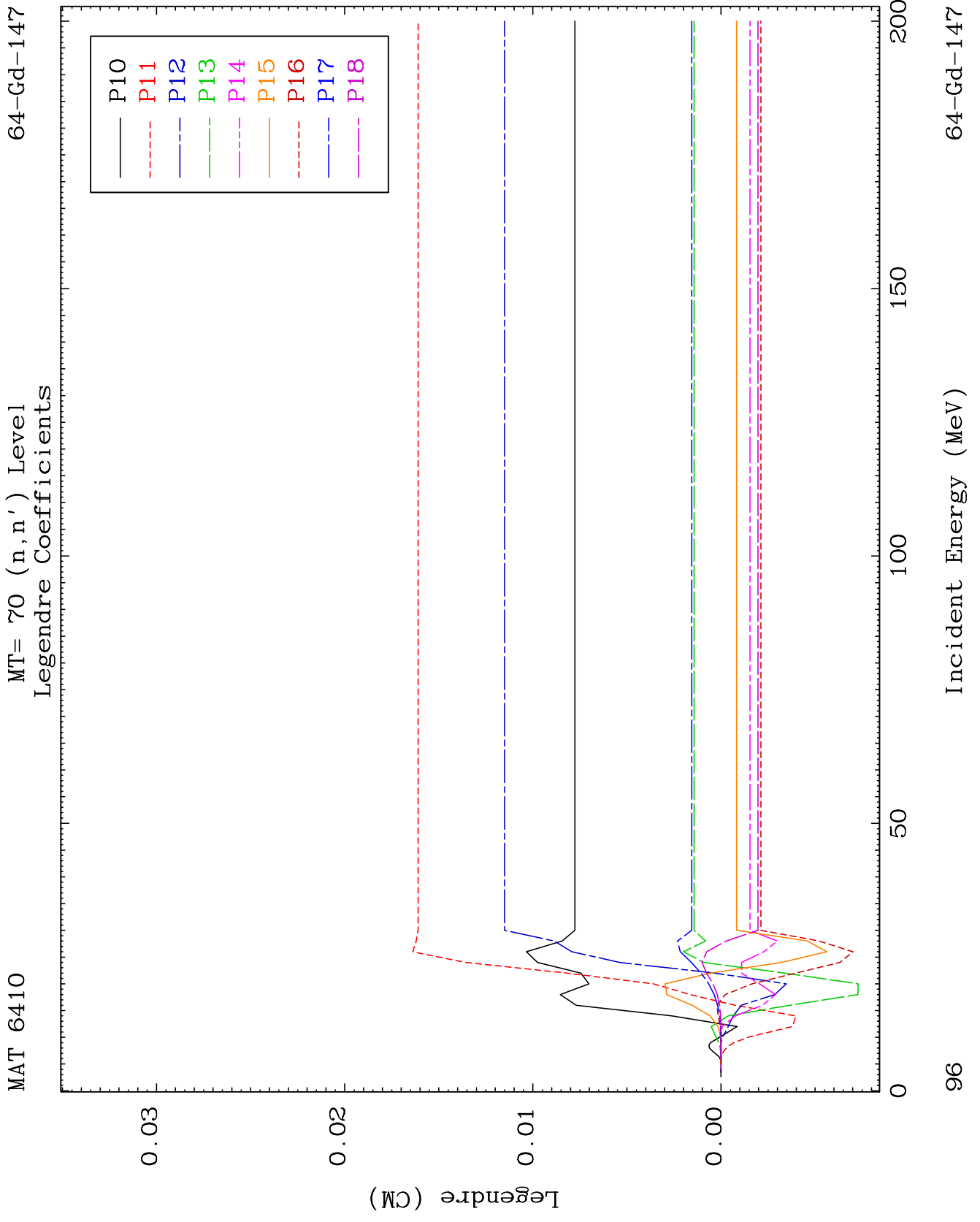
64-Gd-147



64-Gd-147

Incident Energy (MeV)

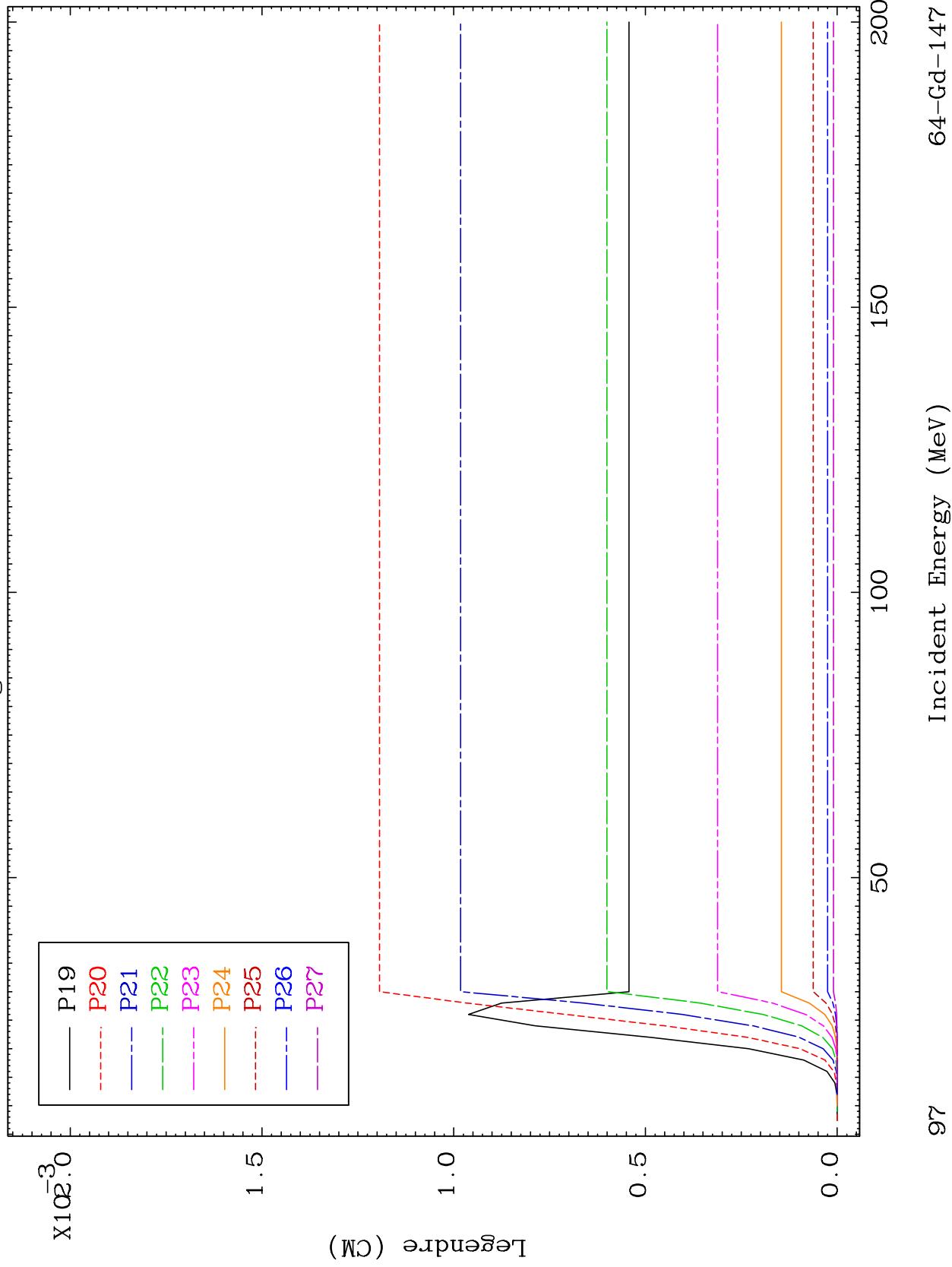
95



MAT 6410

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

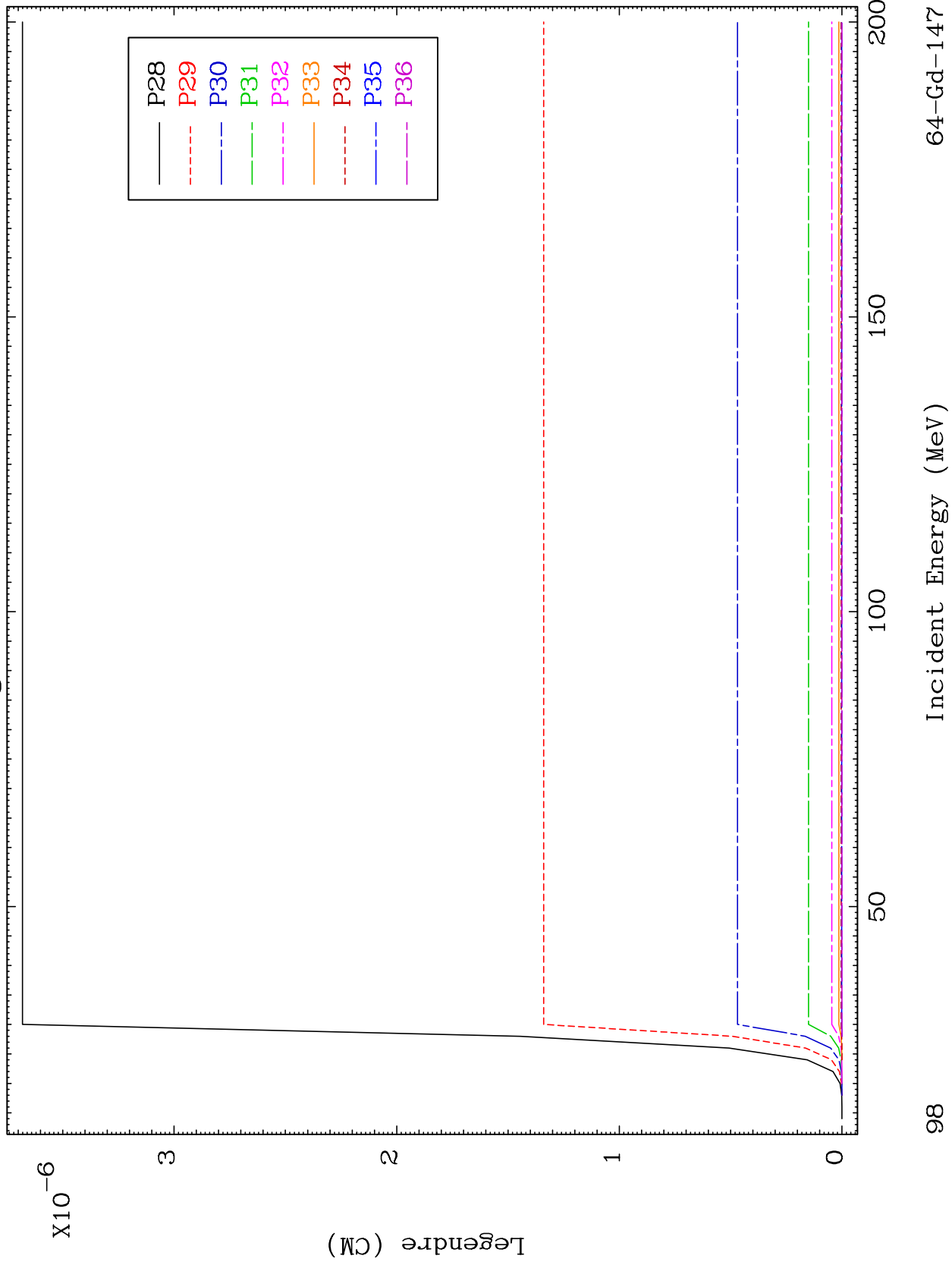
64-Gd-147



MAT 6410

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

64-Gd-147



98

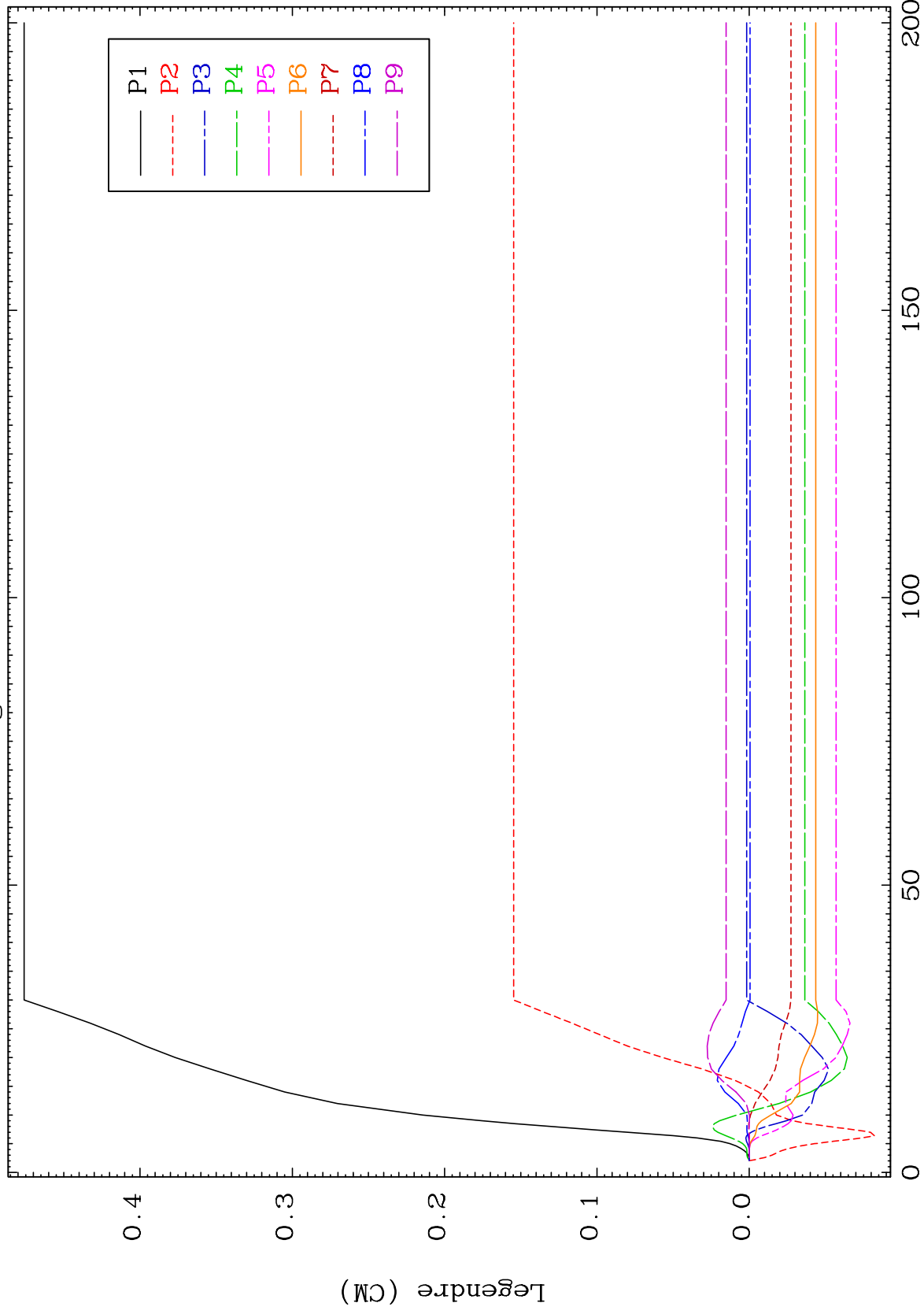
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

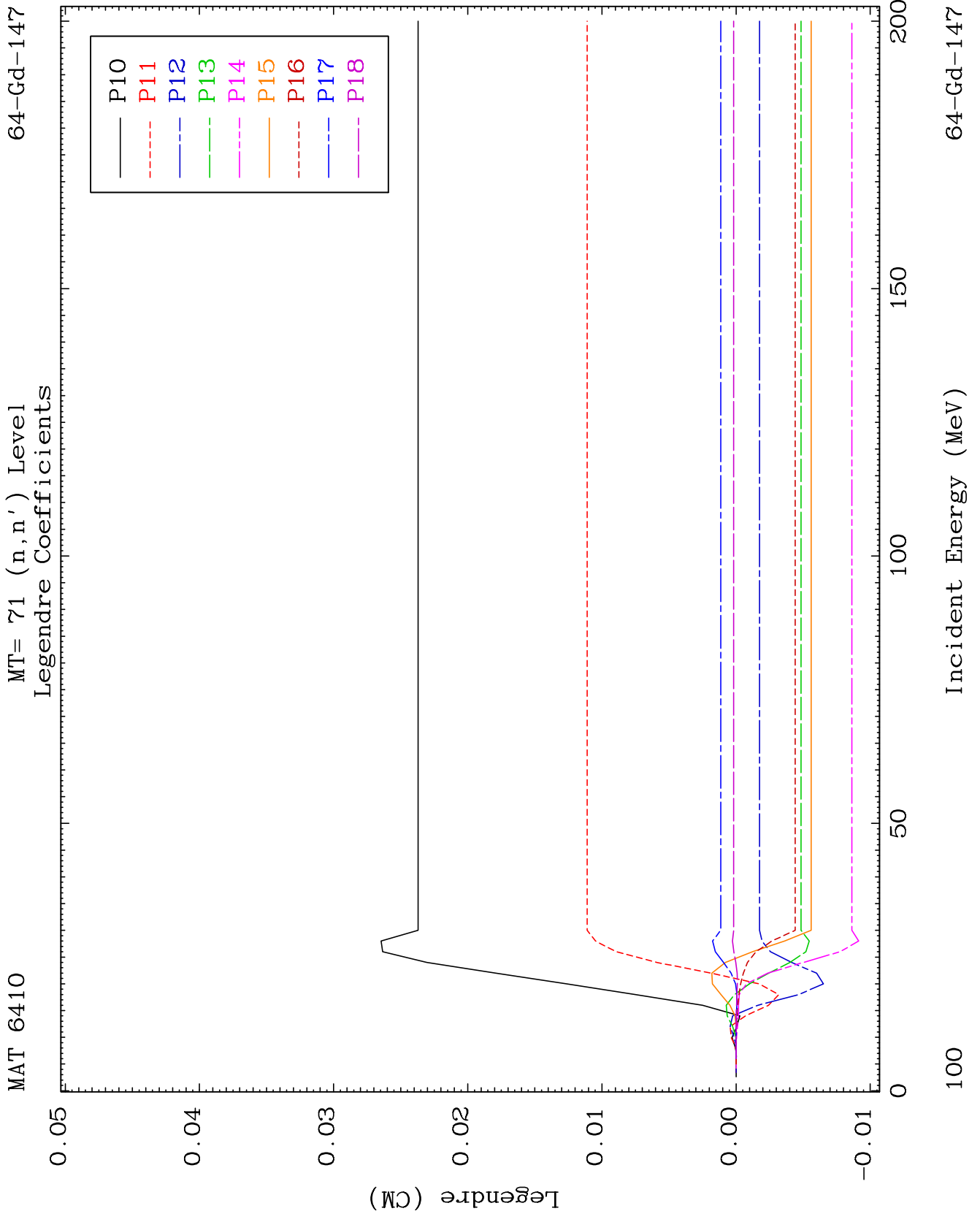
64-Gd-147



99

Incident Energy (MeV)

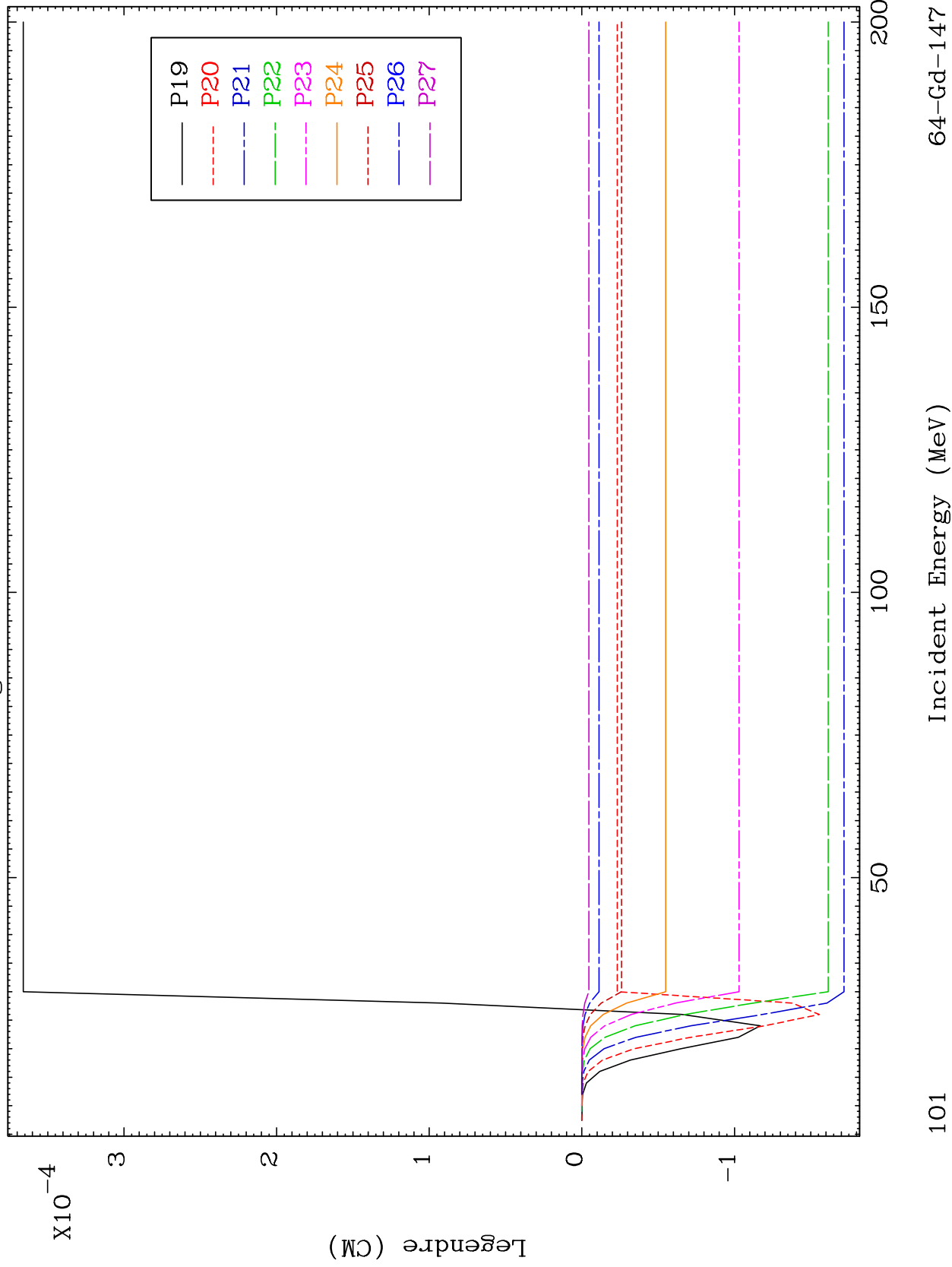
64-Gd-147

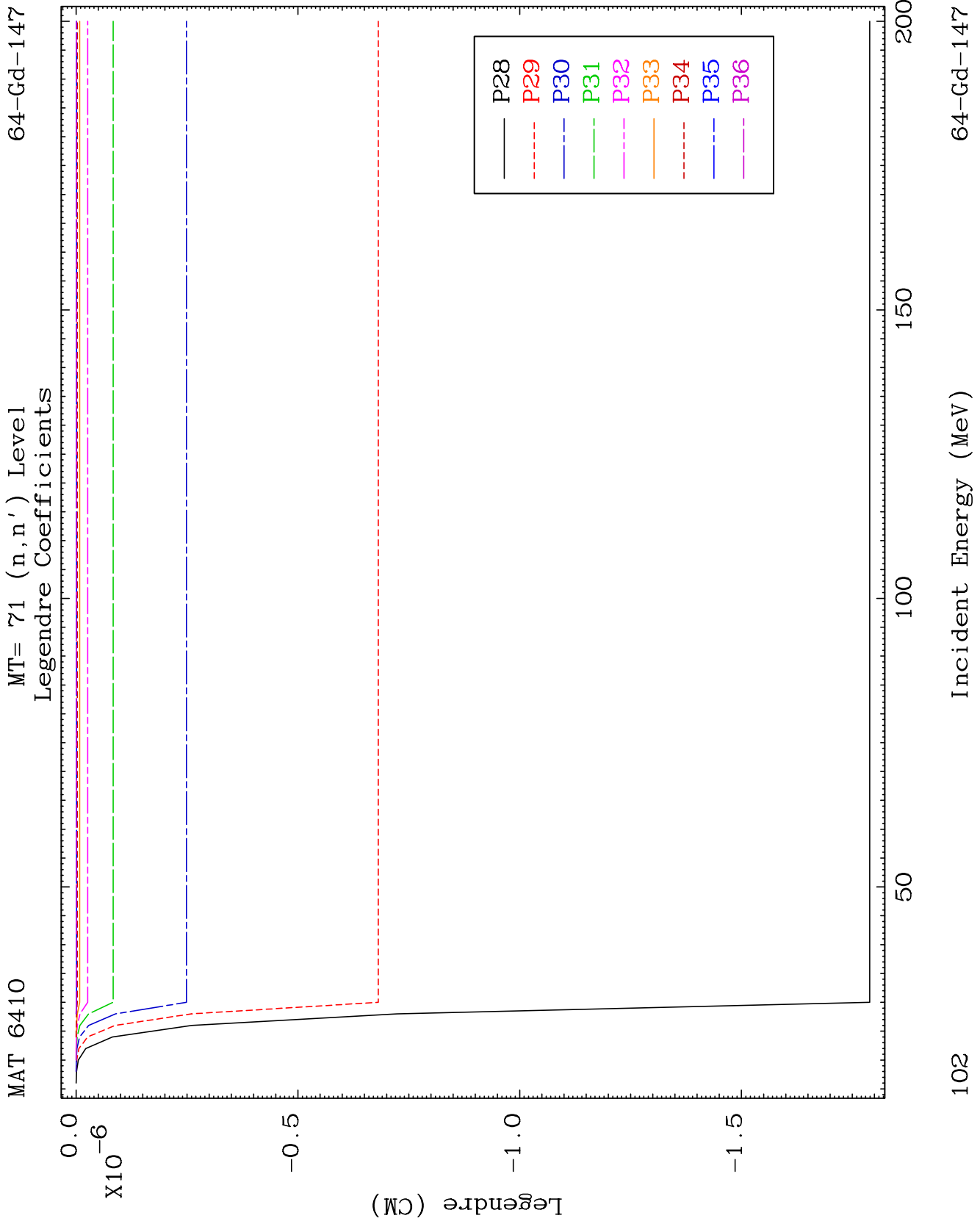


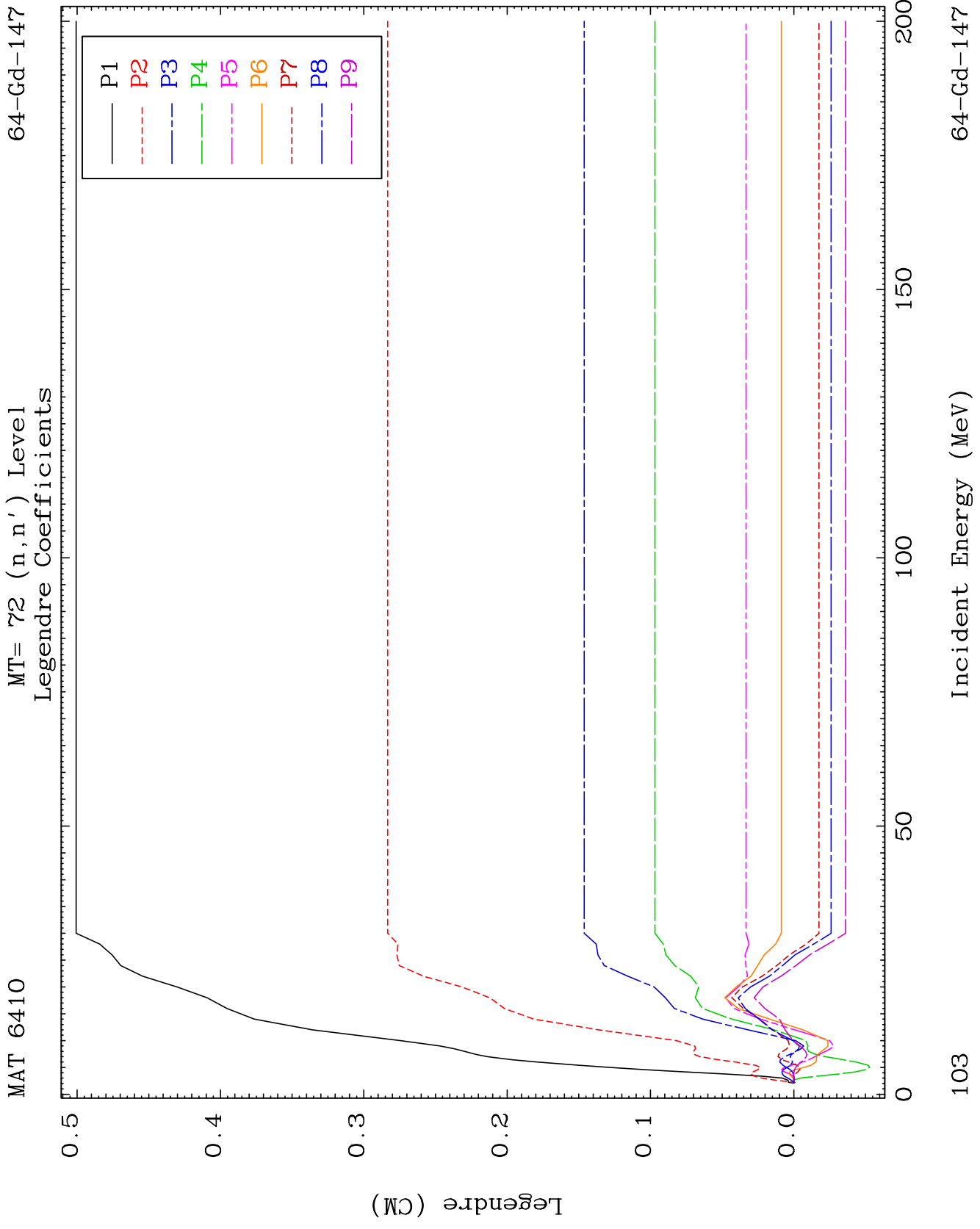
MAT 6410

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

64-Gd-147



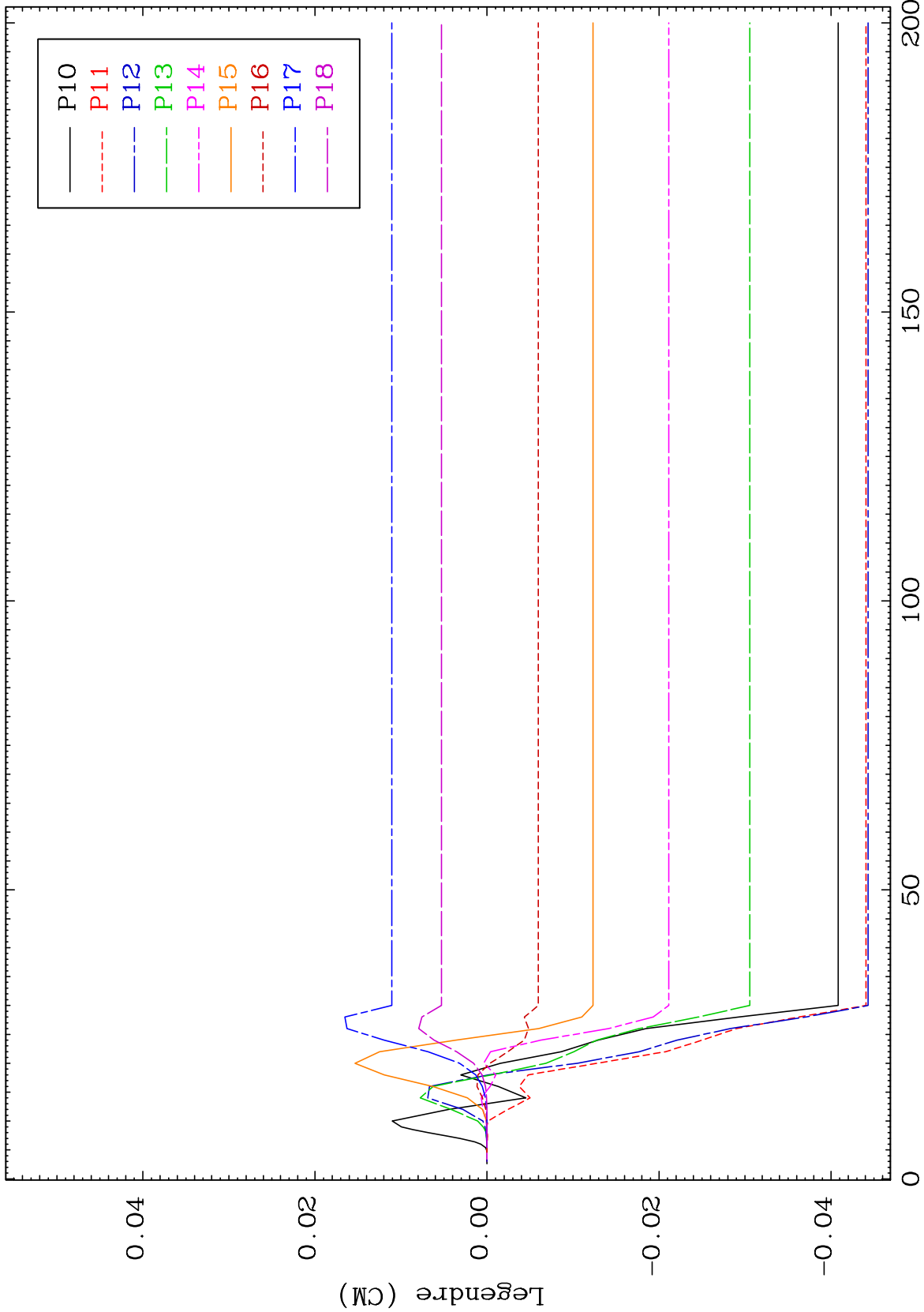




MAT 6410

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

64-Gd-147



104

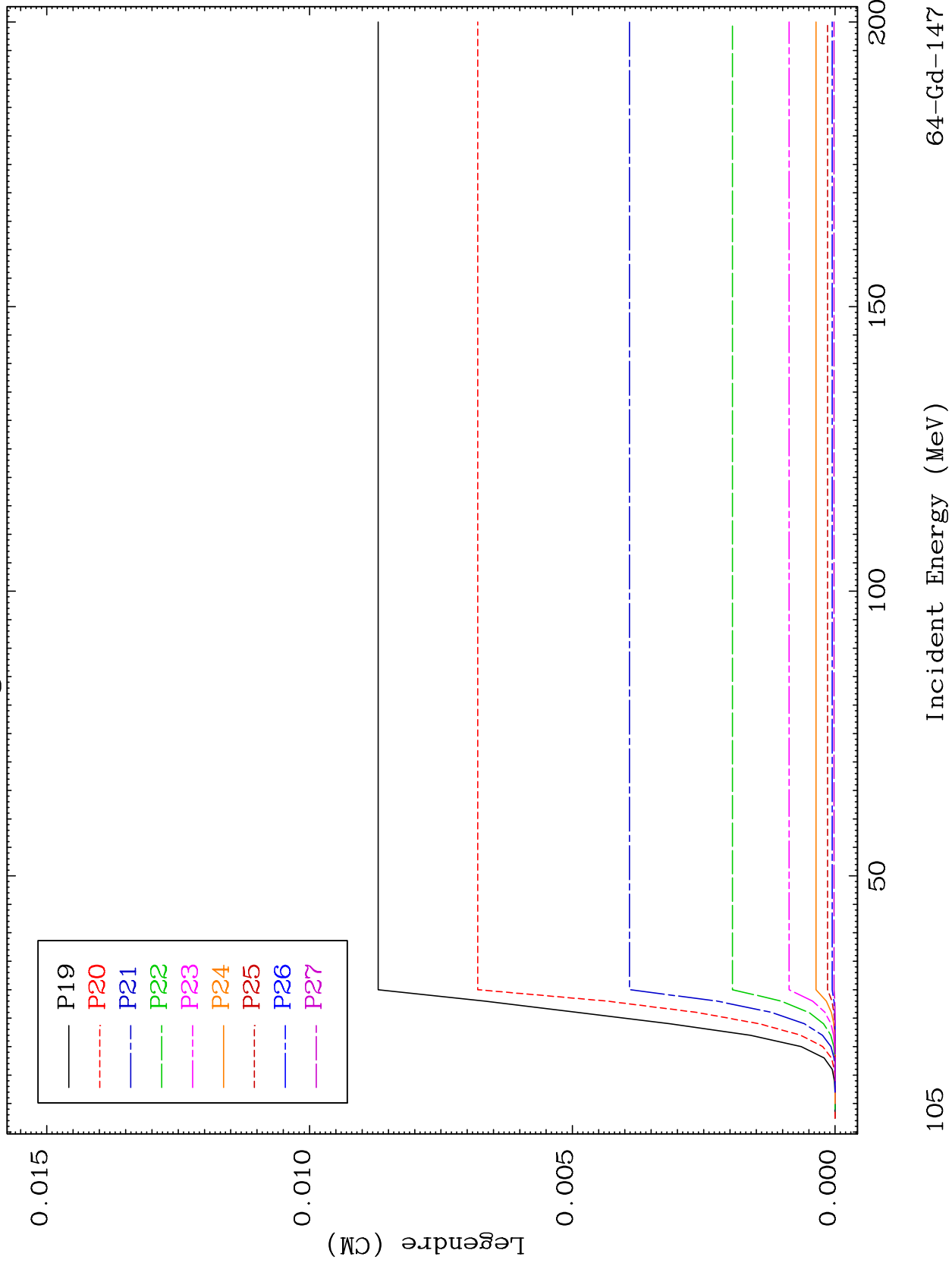
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

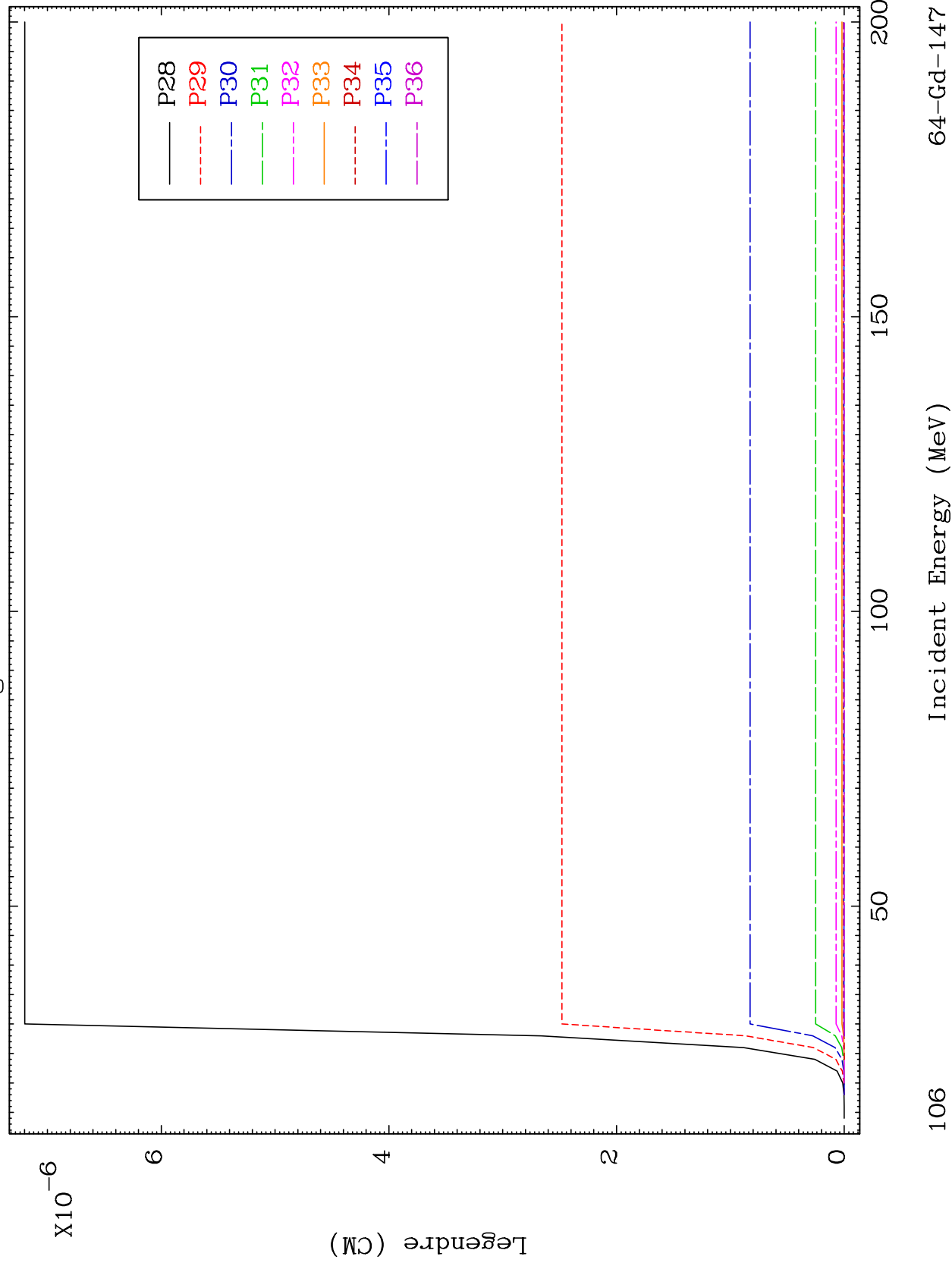
64-Gd-147



MAT 6410

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

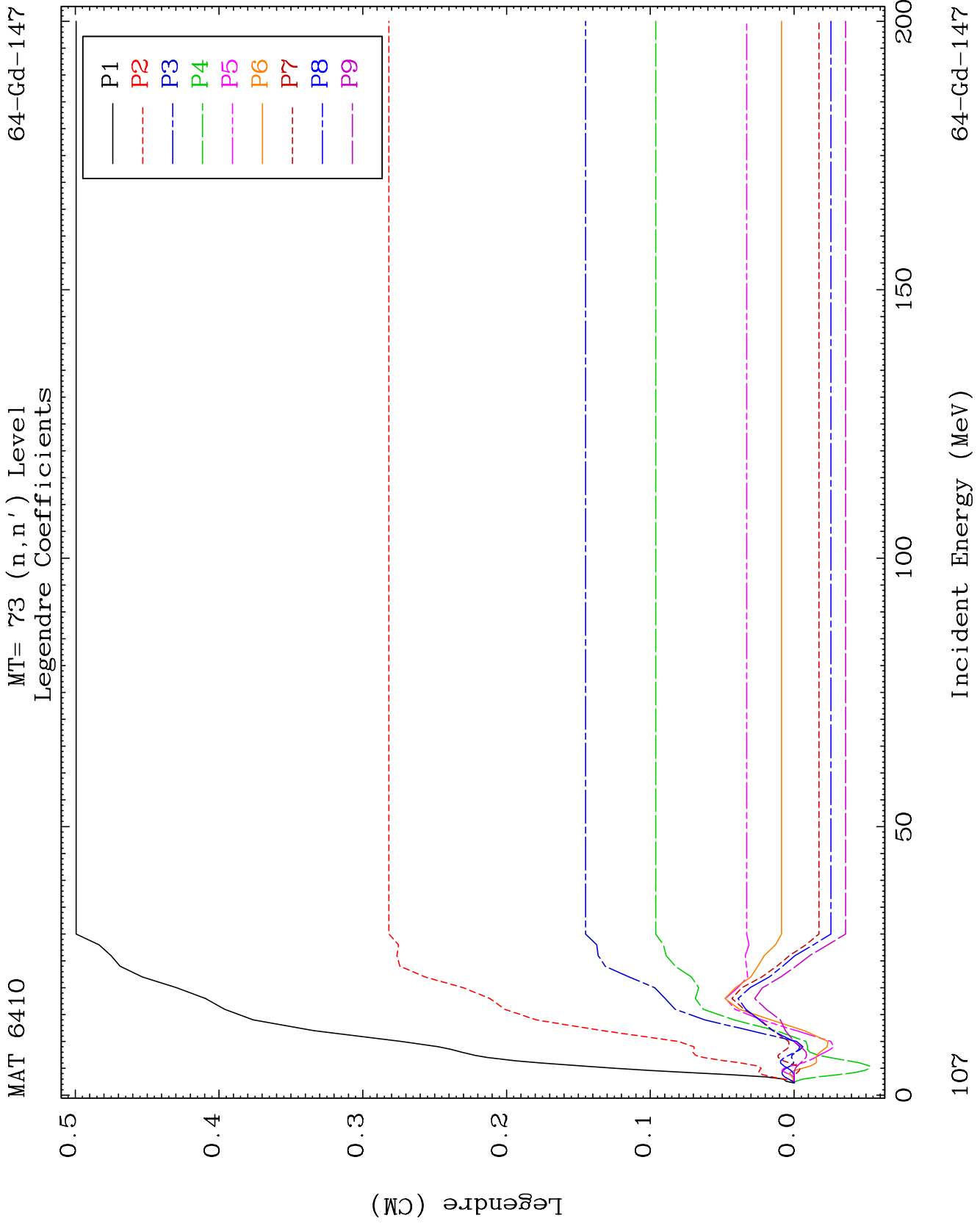
64-Gd-147



106

Incident Energy (MeV)

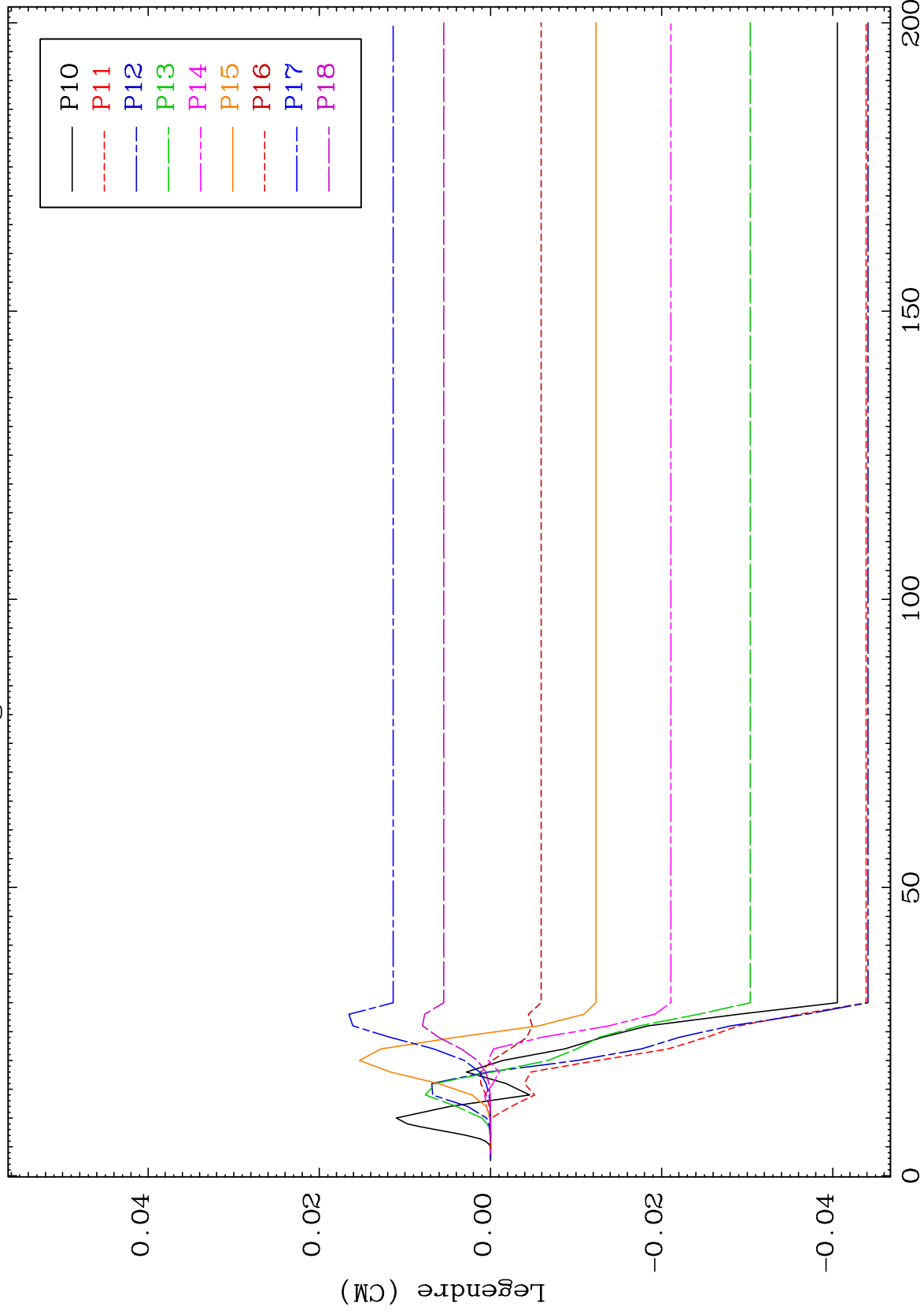
64-Gd-147



MAT 6410

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

64-Gd-147



108

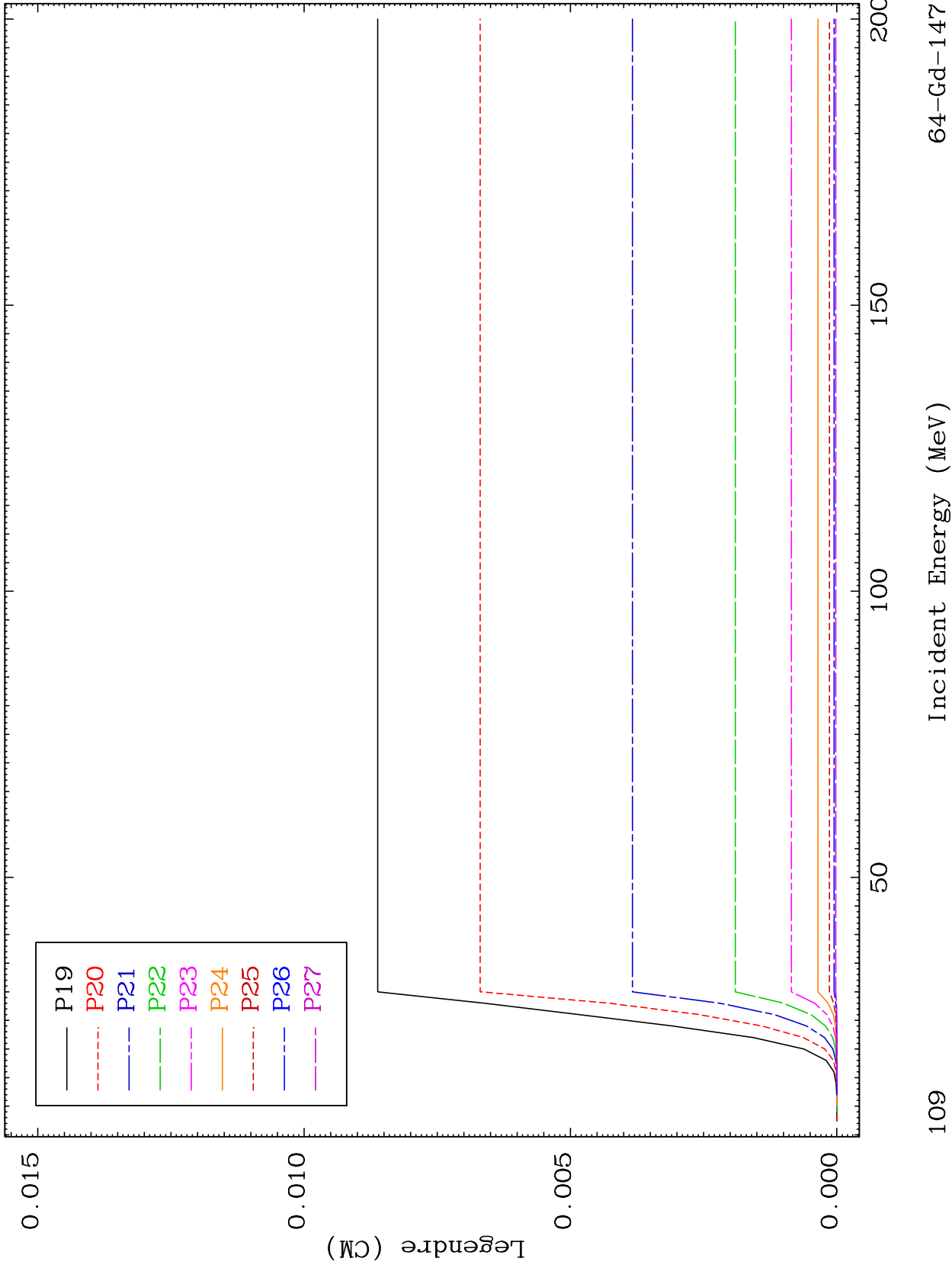
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



109

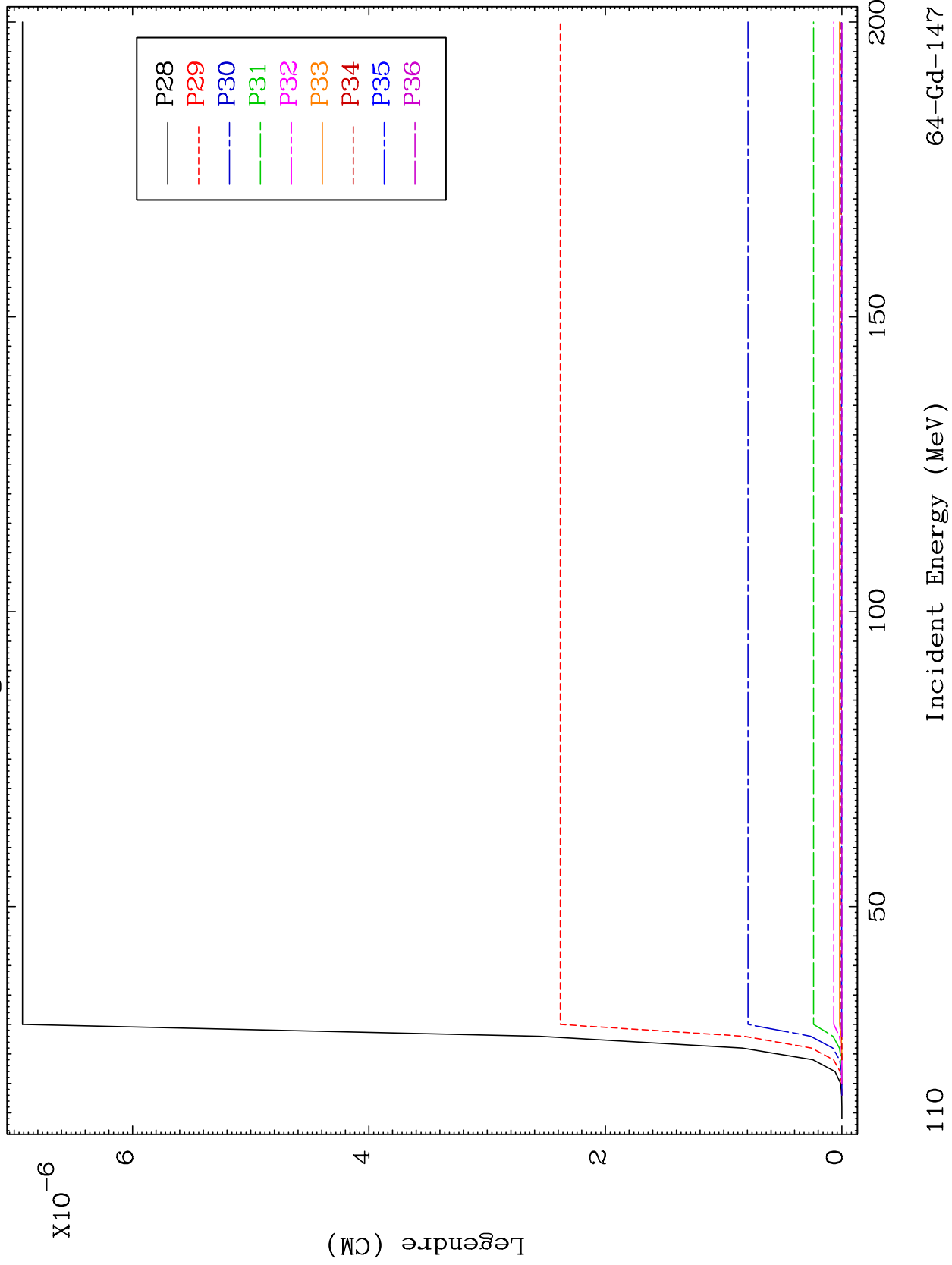
Incident Energy (MeV)

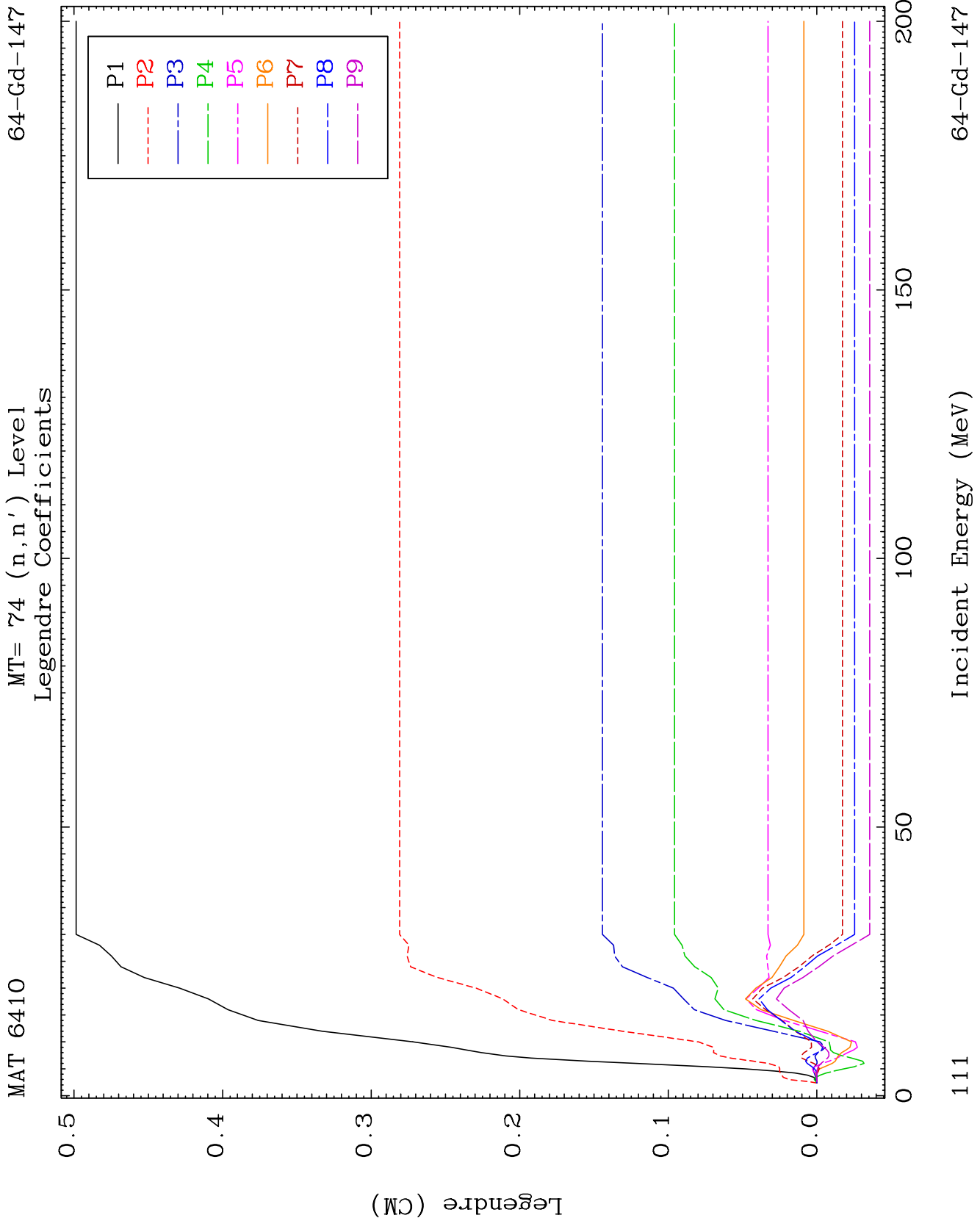
64-Gd-147

MAT 6410

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

64-Gd-147

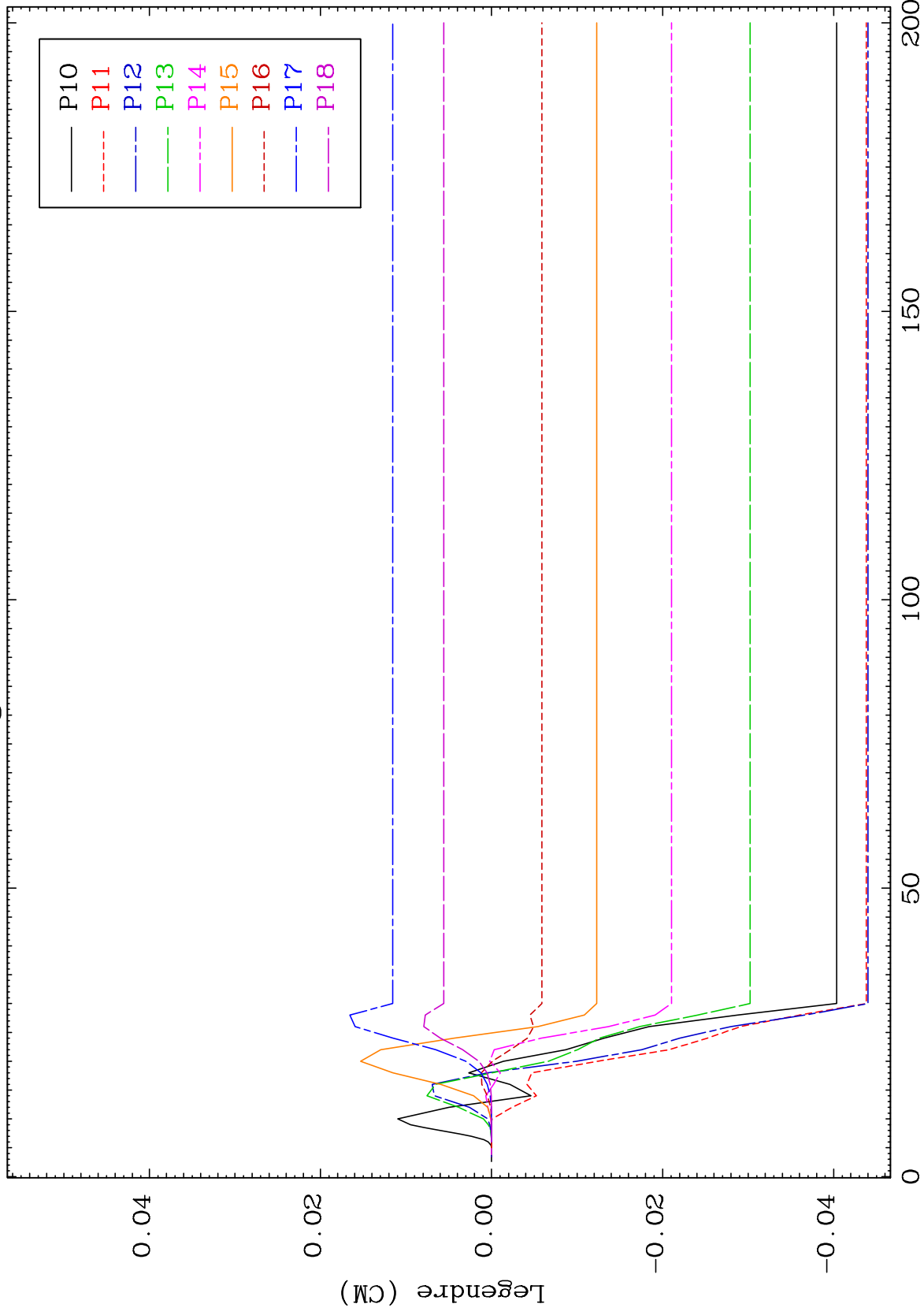




MAT 6410

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

64-Gd-147



112

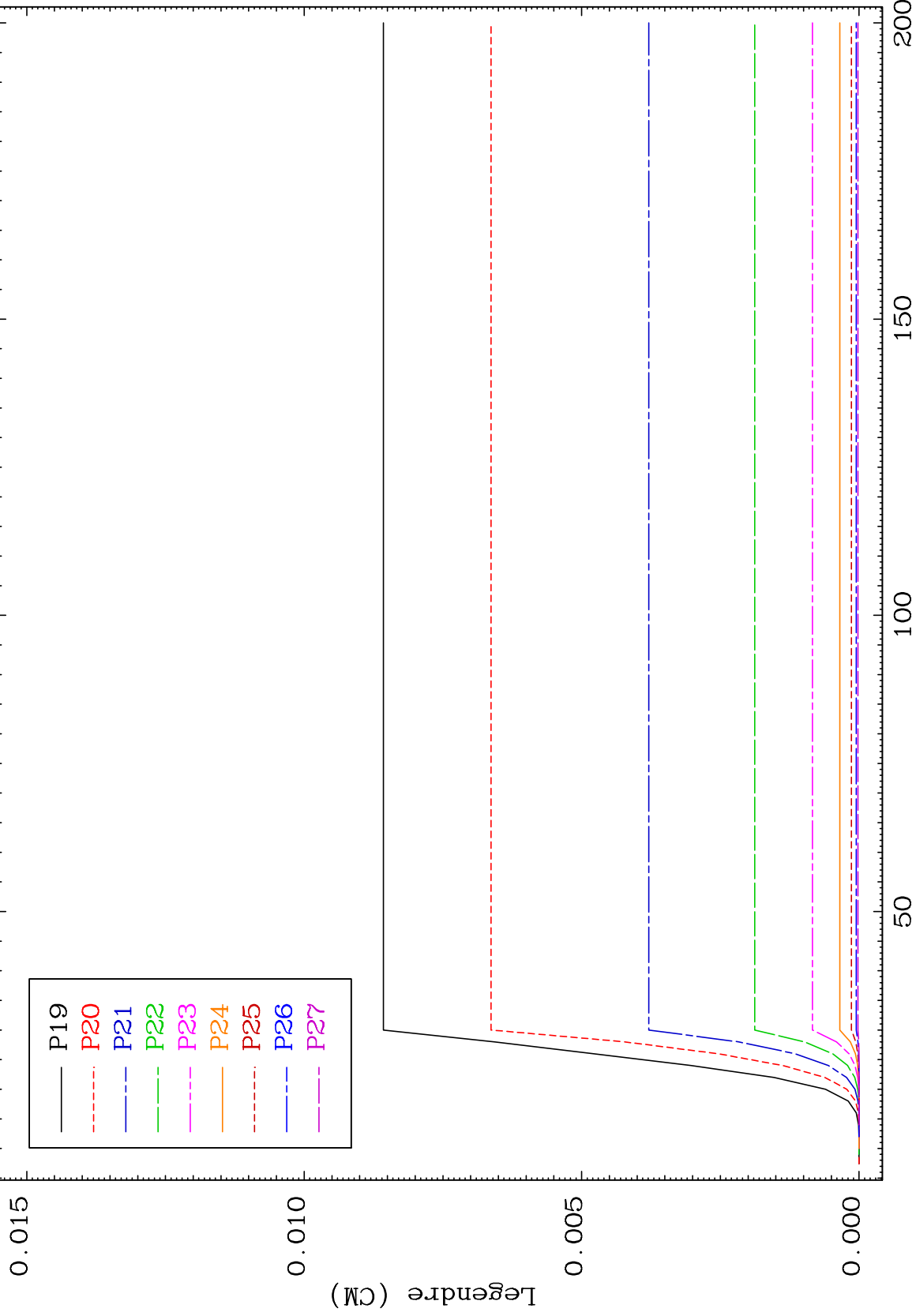
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



113

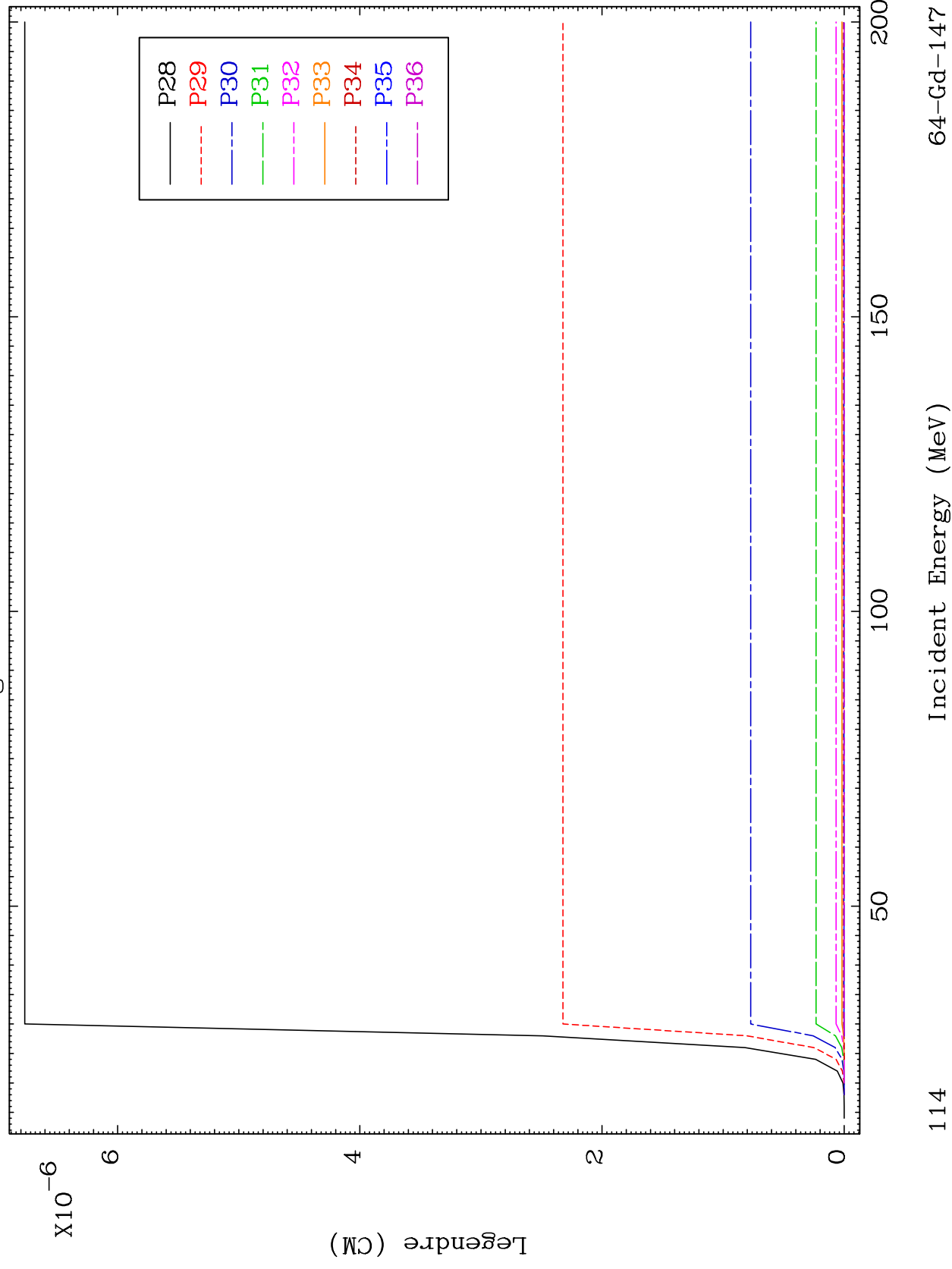
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

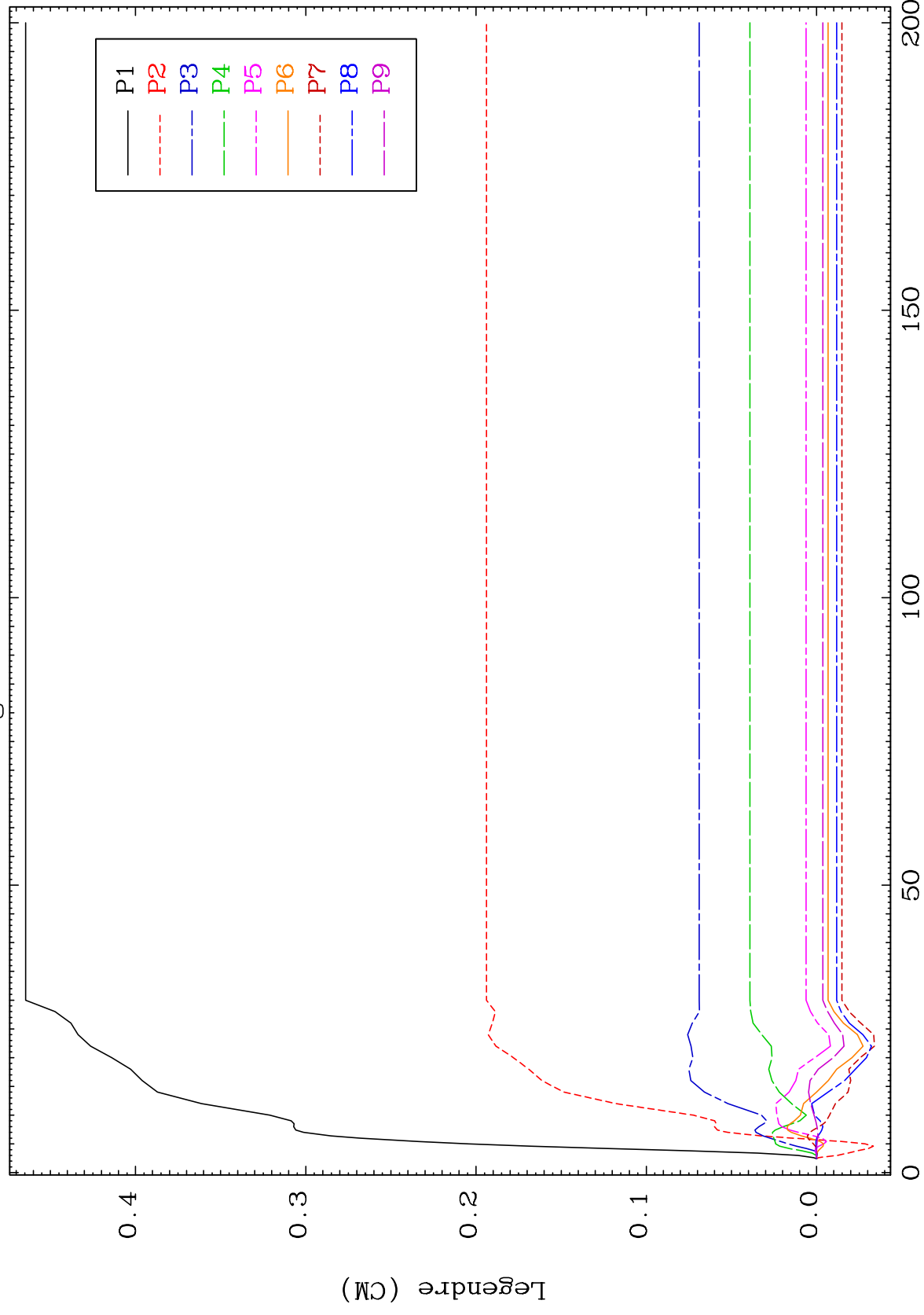
64-Gd-147



MAT 6410

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

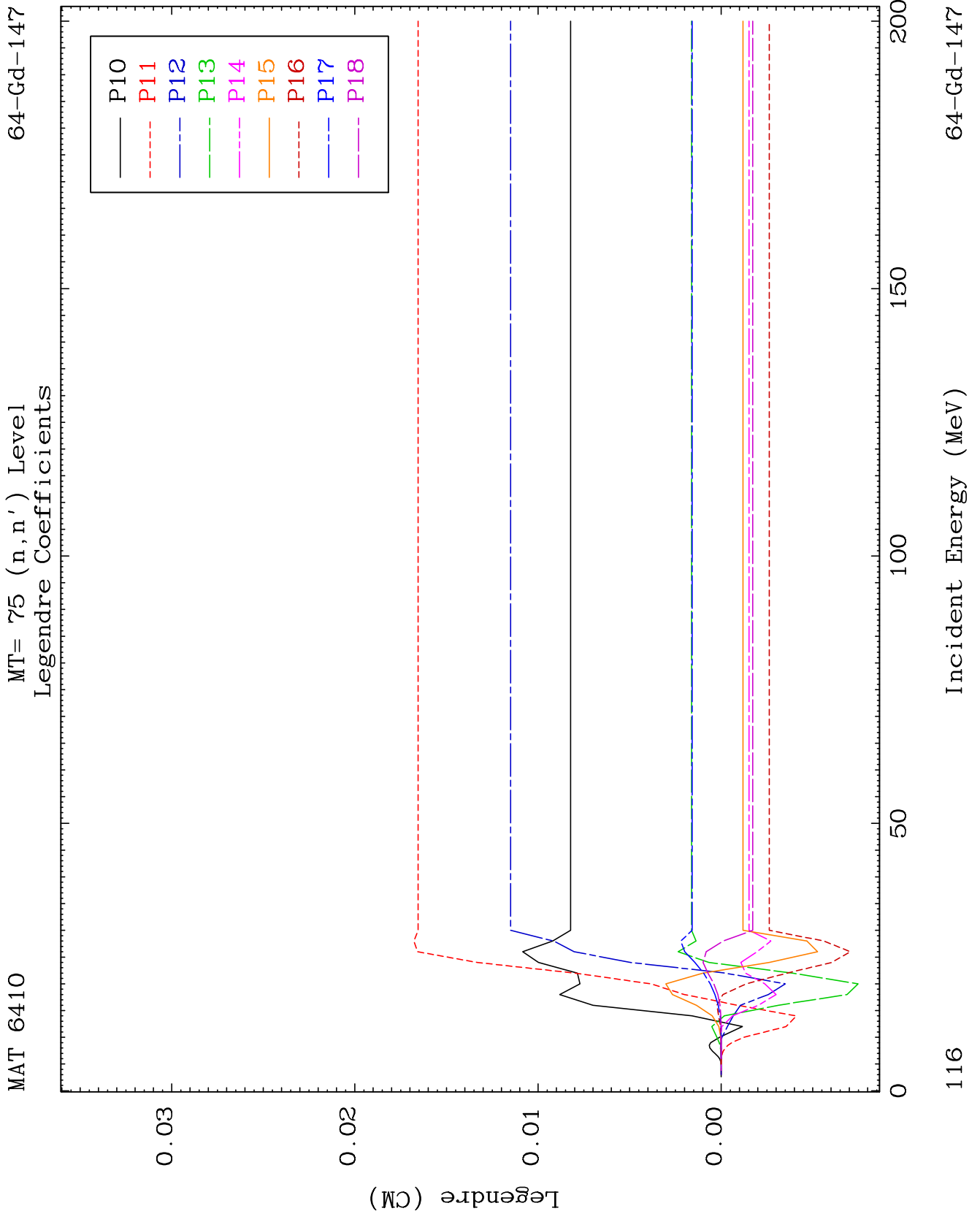
64-Gd-147



115

Incident Energy (MeV)

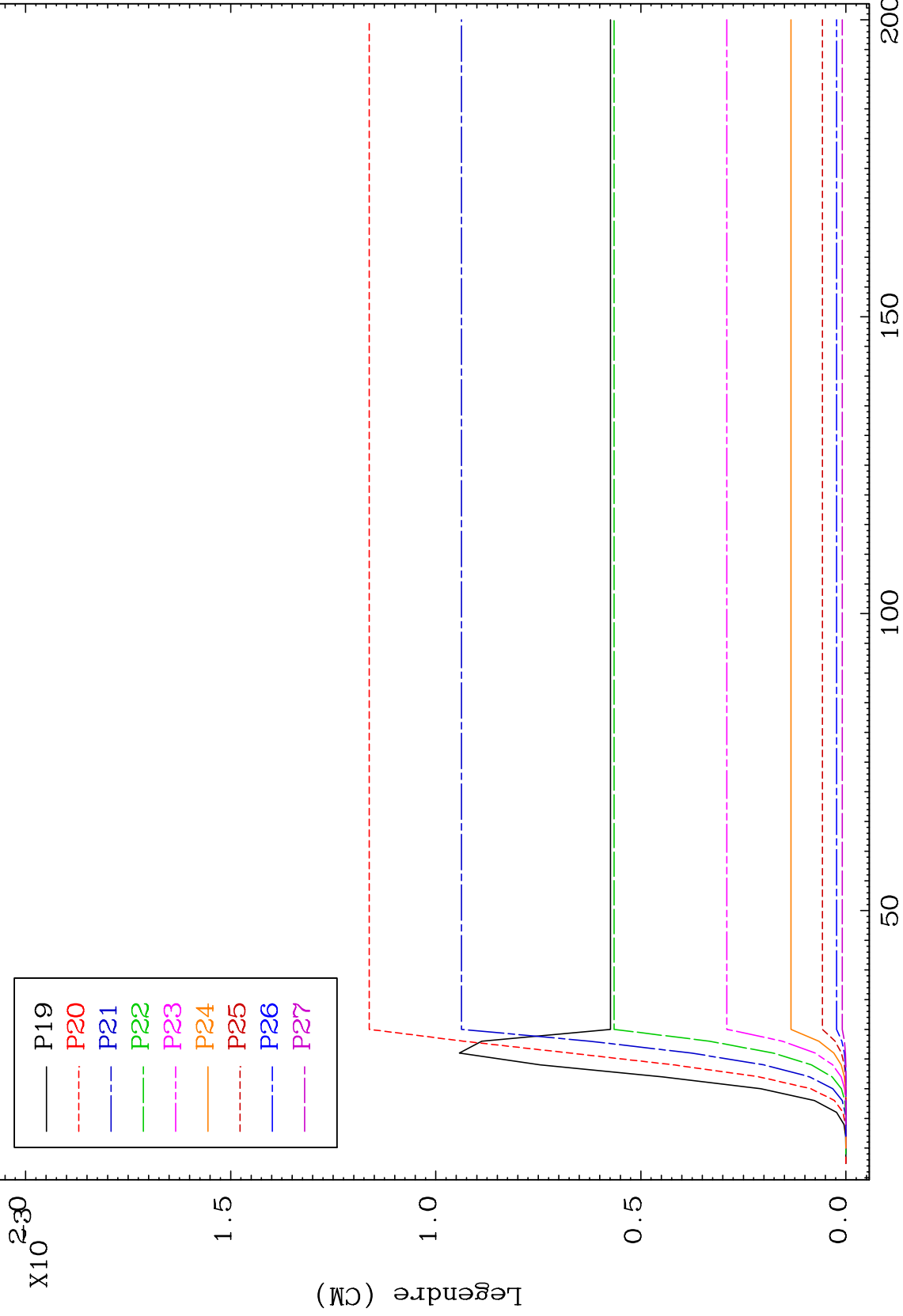
64-Gd-147



MAT 6410

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

64-Gd-147



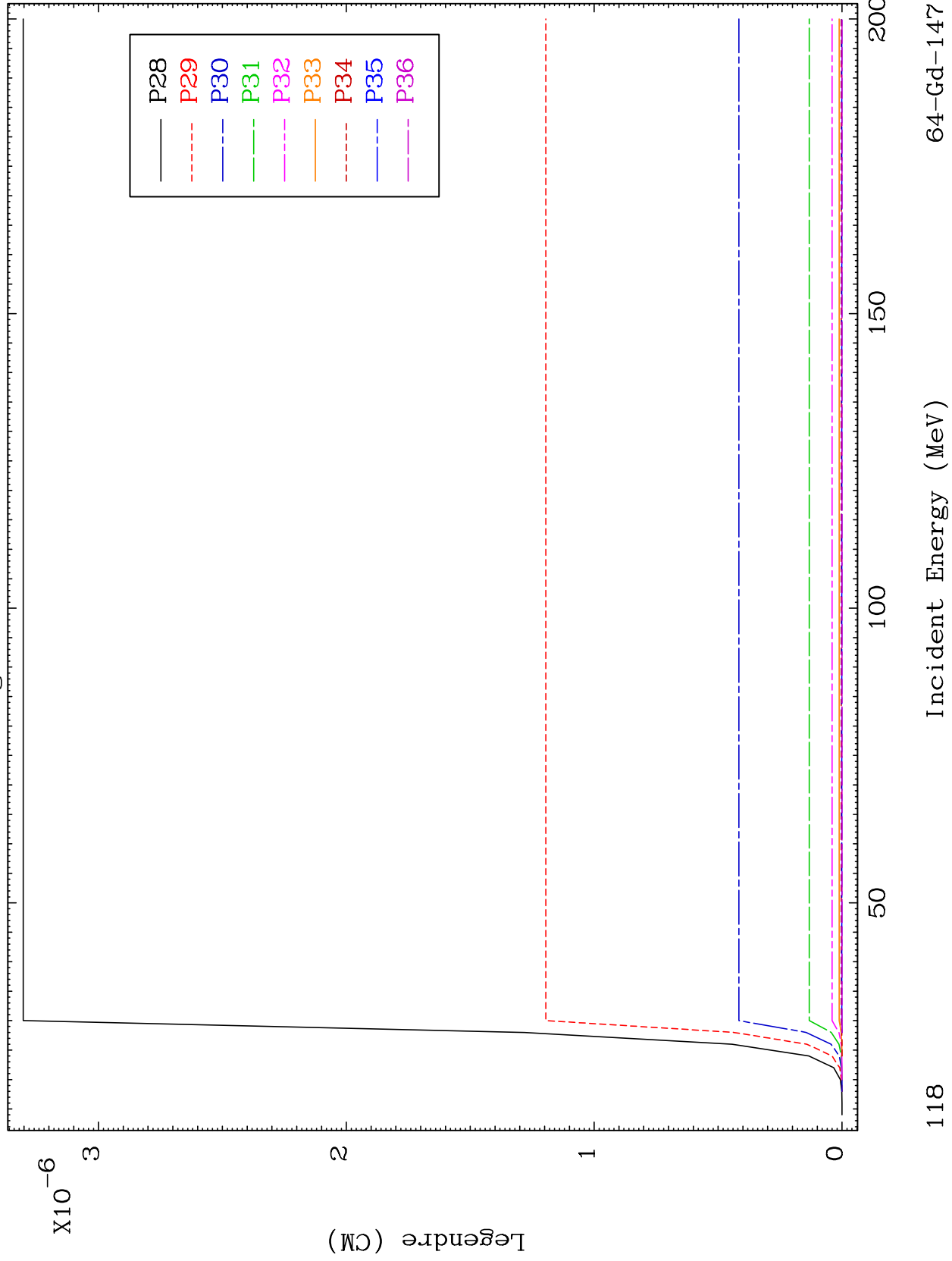
117

64-Gd-147

MAT 6410

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

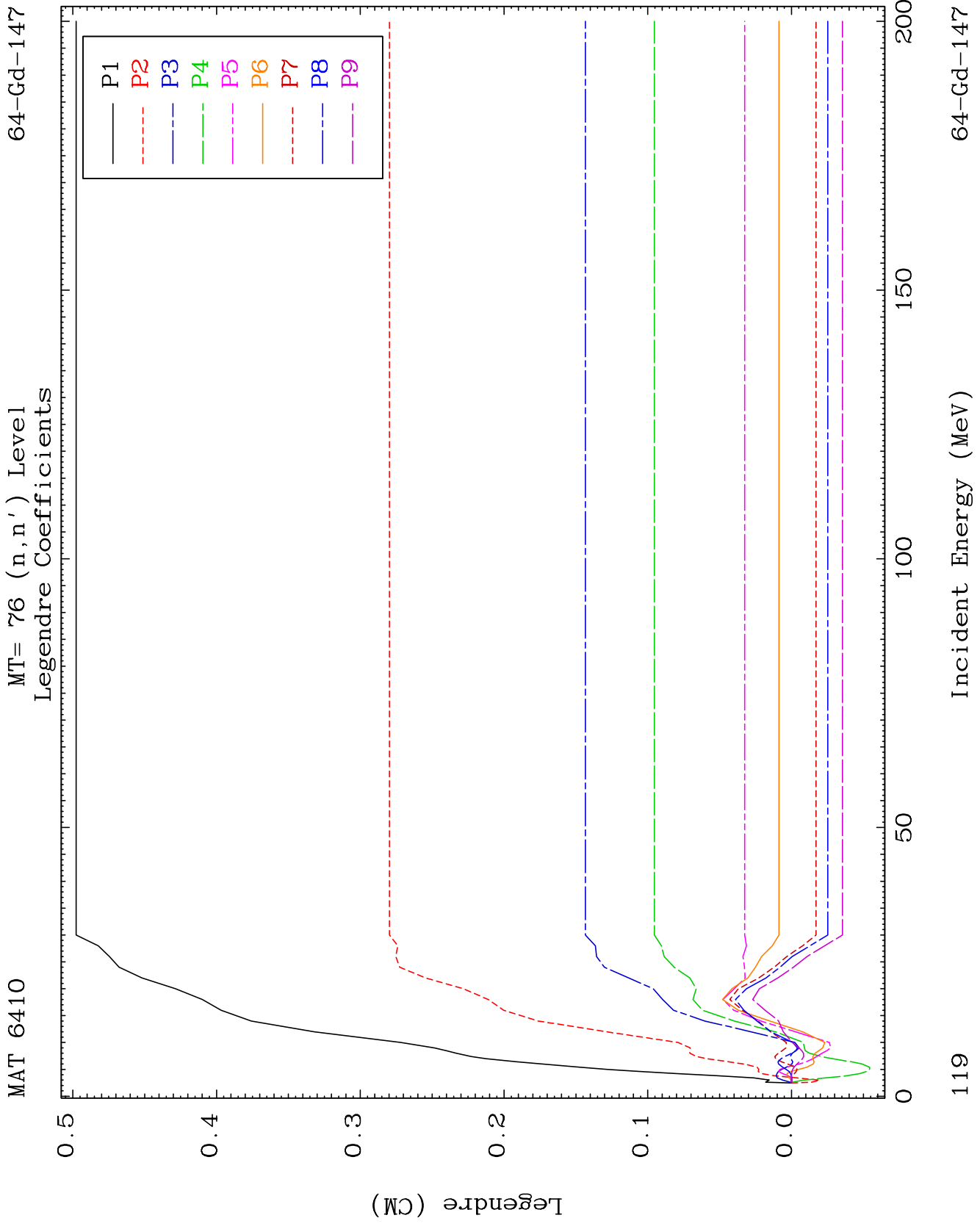
64-Gd-147



118

Incident Energy (MeV)

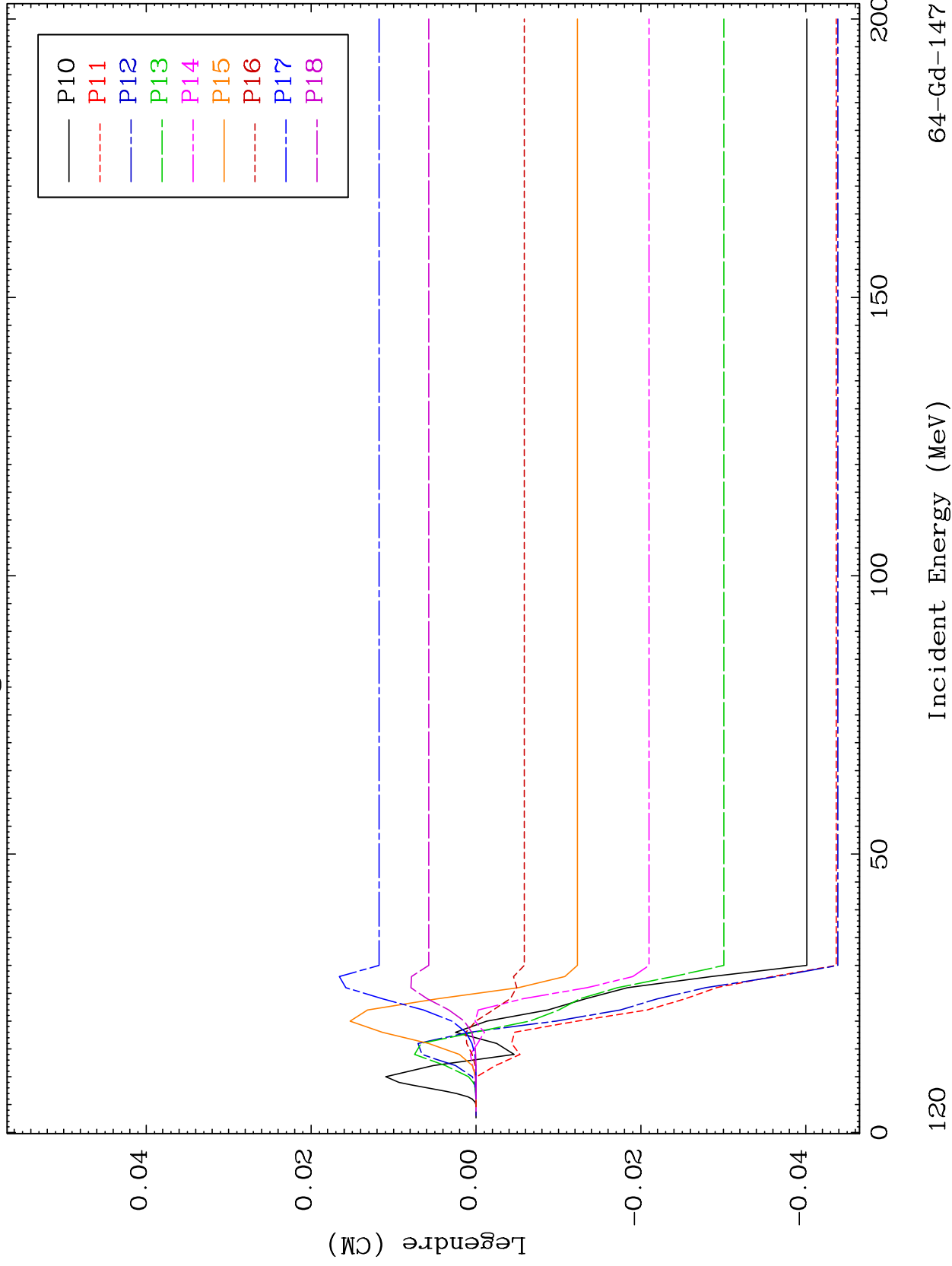
64-Gd-147



MAT 6410

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

64-Gd-147



64-Gd-147

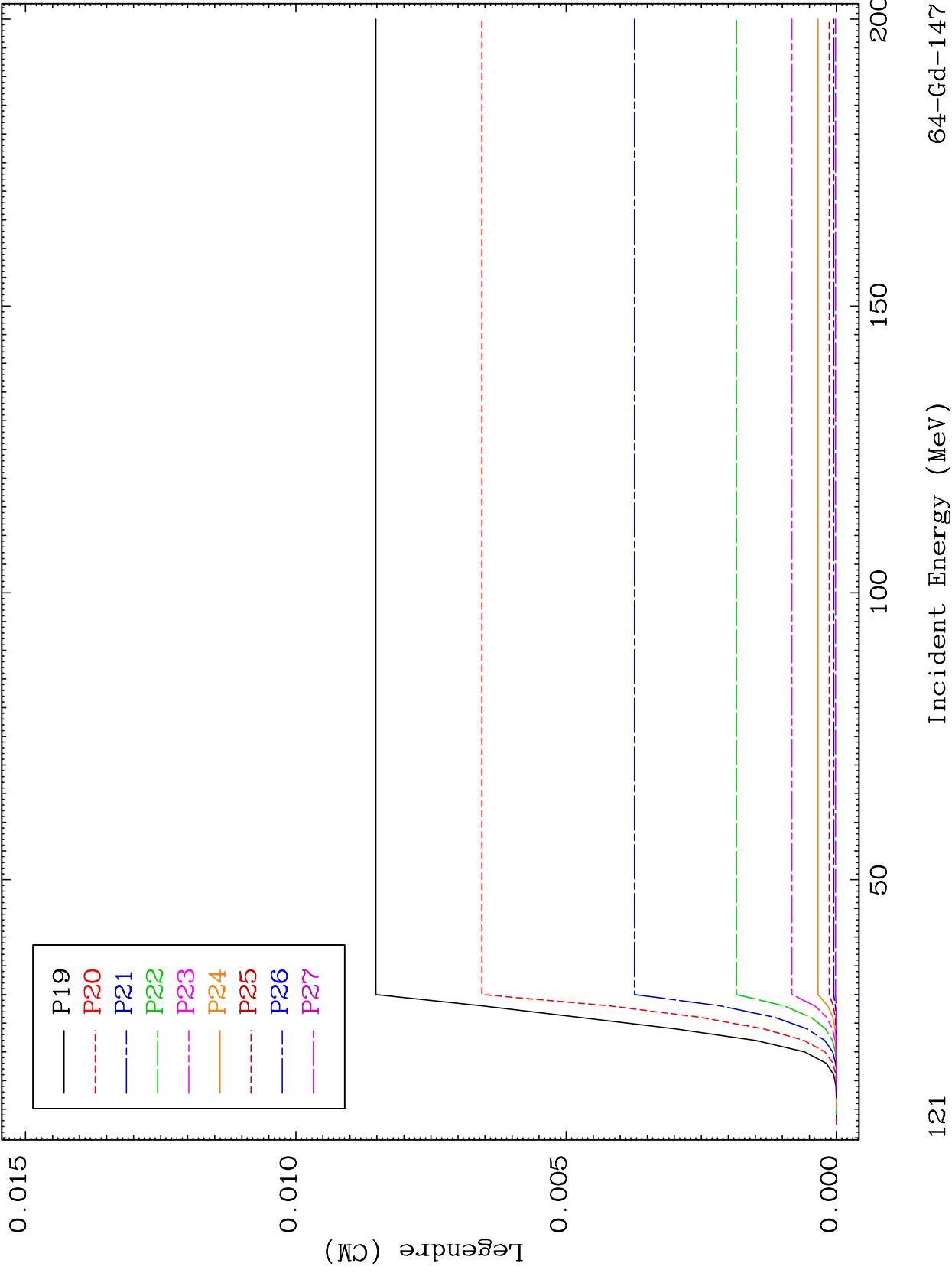
Incident Energy (MeV)

120

MAT 6410

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

64-Gd-147



121

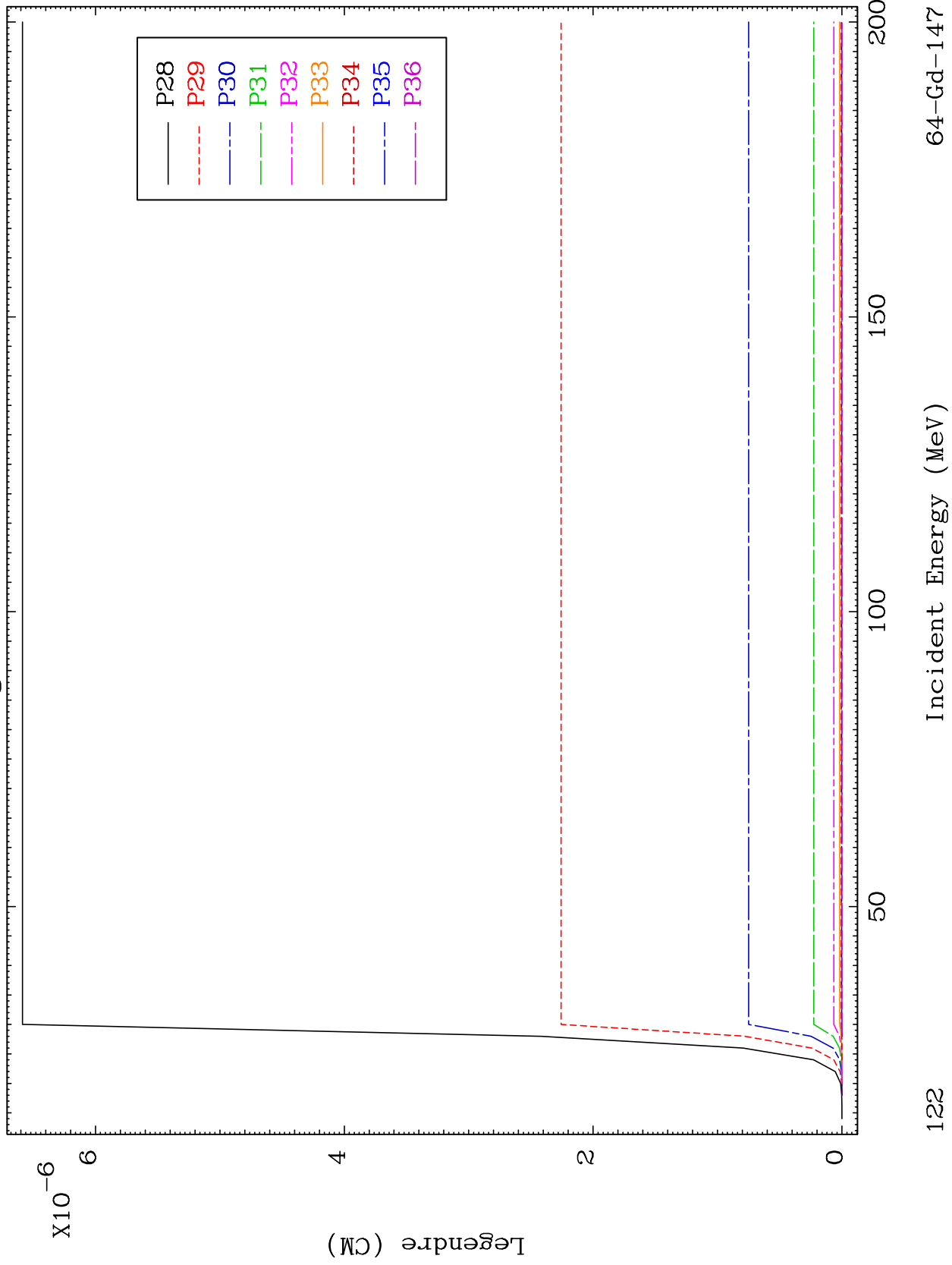
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147

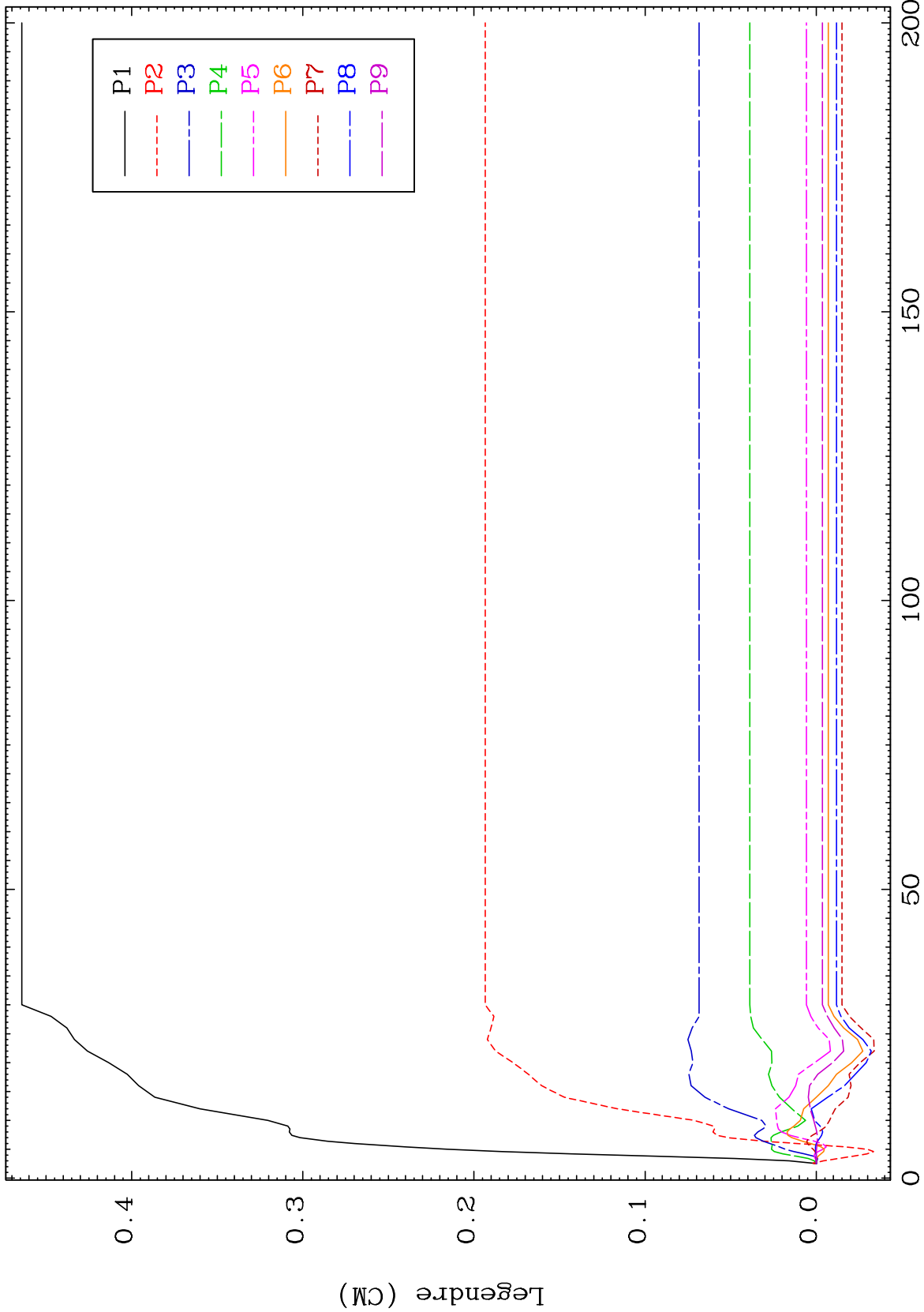


122

MAT 6410

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

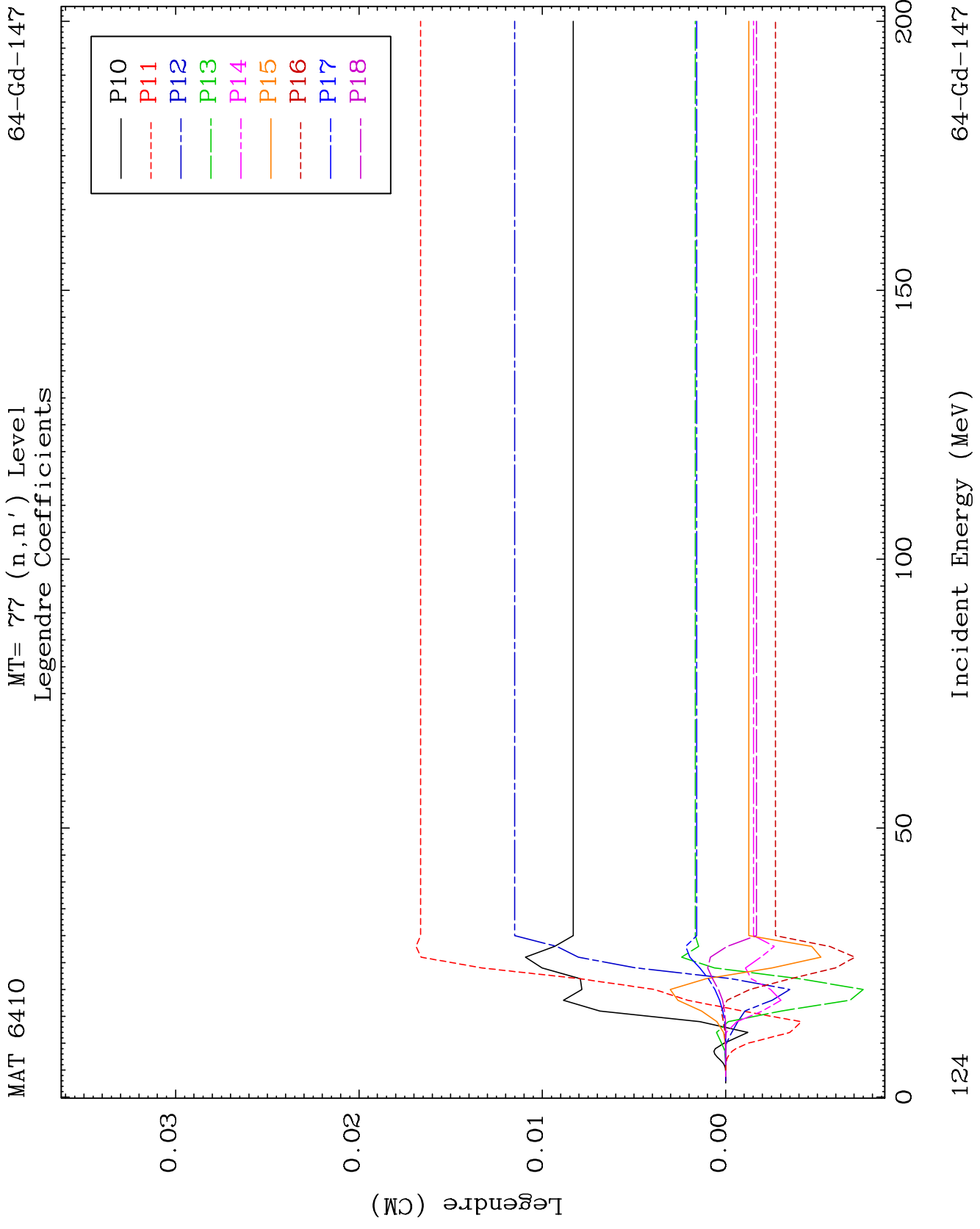
64-Gd-147



64-Gd-147

Incident Energy (MeV)

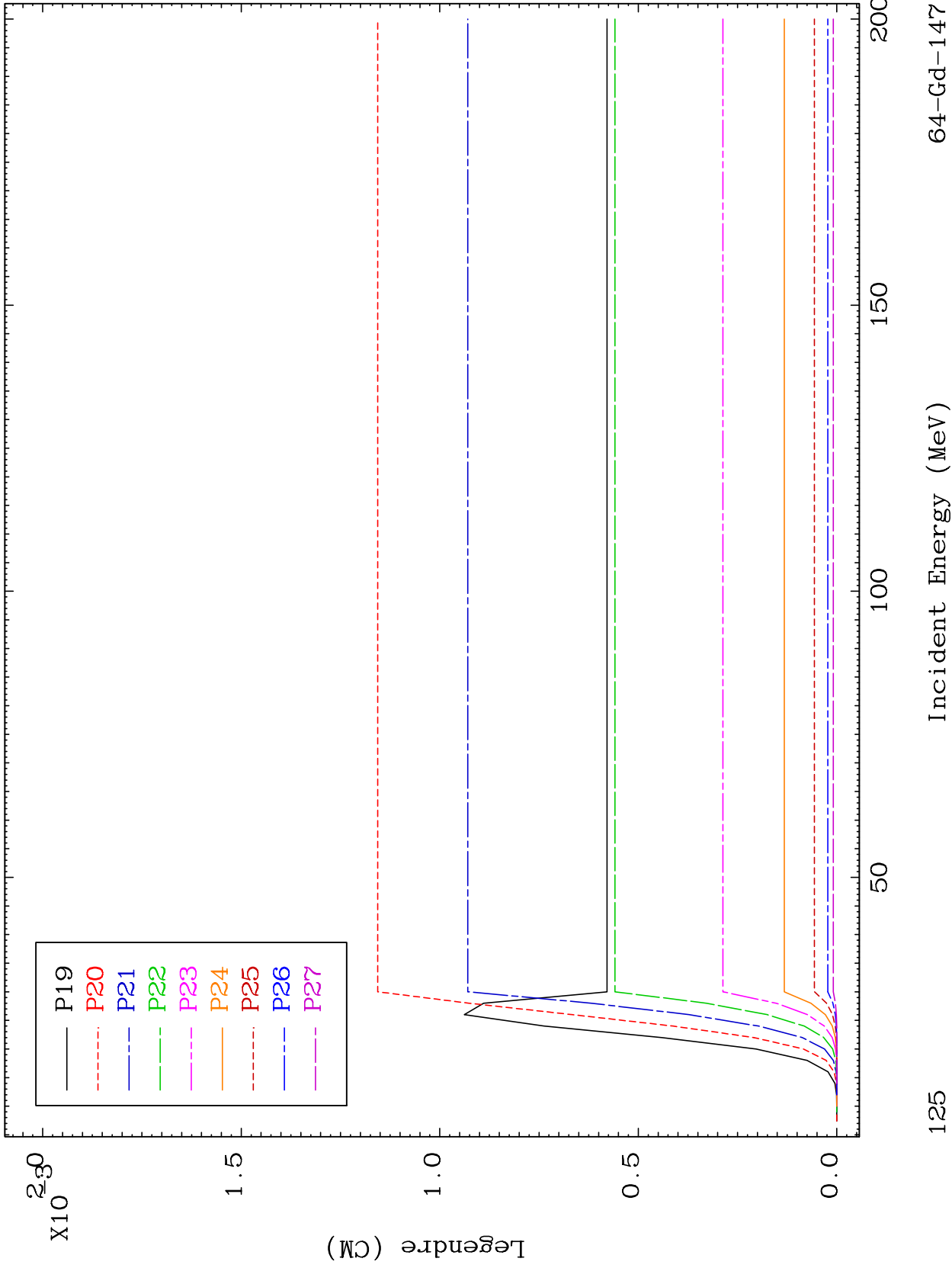
123



MAT 6410

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

64-Gd-147



125

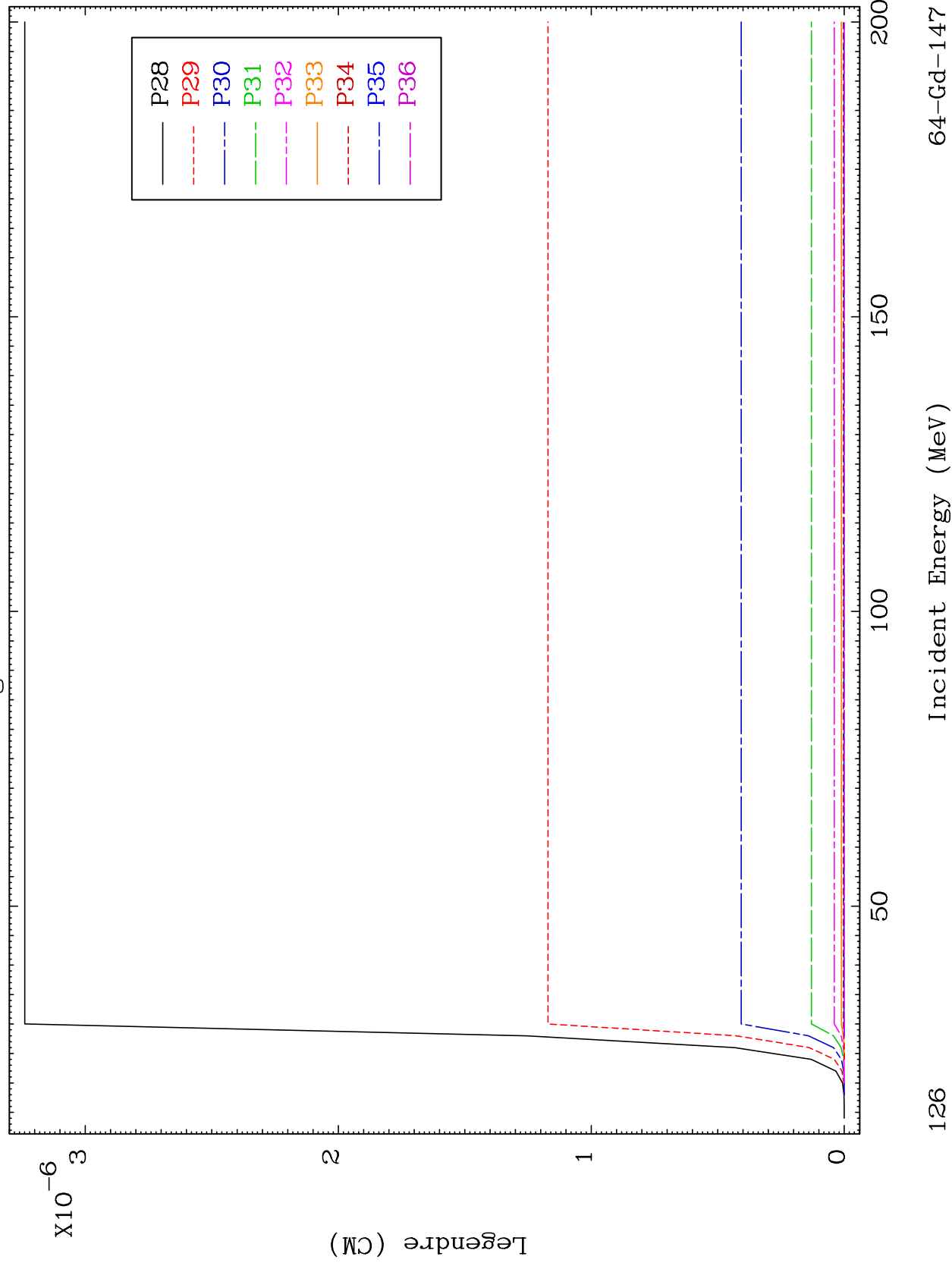
Incident Energy (MeV)

64-Gd-147

MAT 6410

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

64-Gd-147



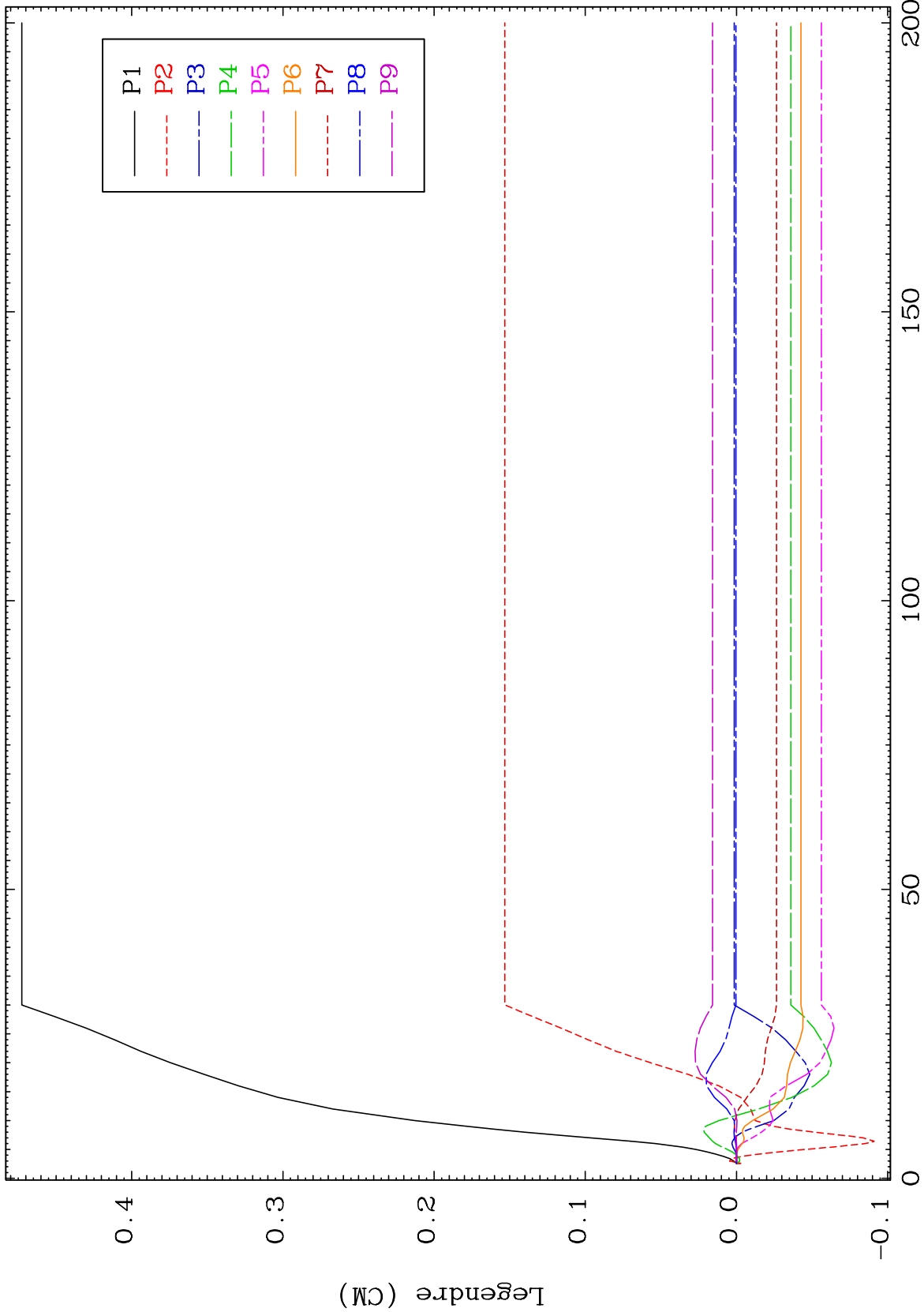
126

64-Gd-147

MAT 6410

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

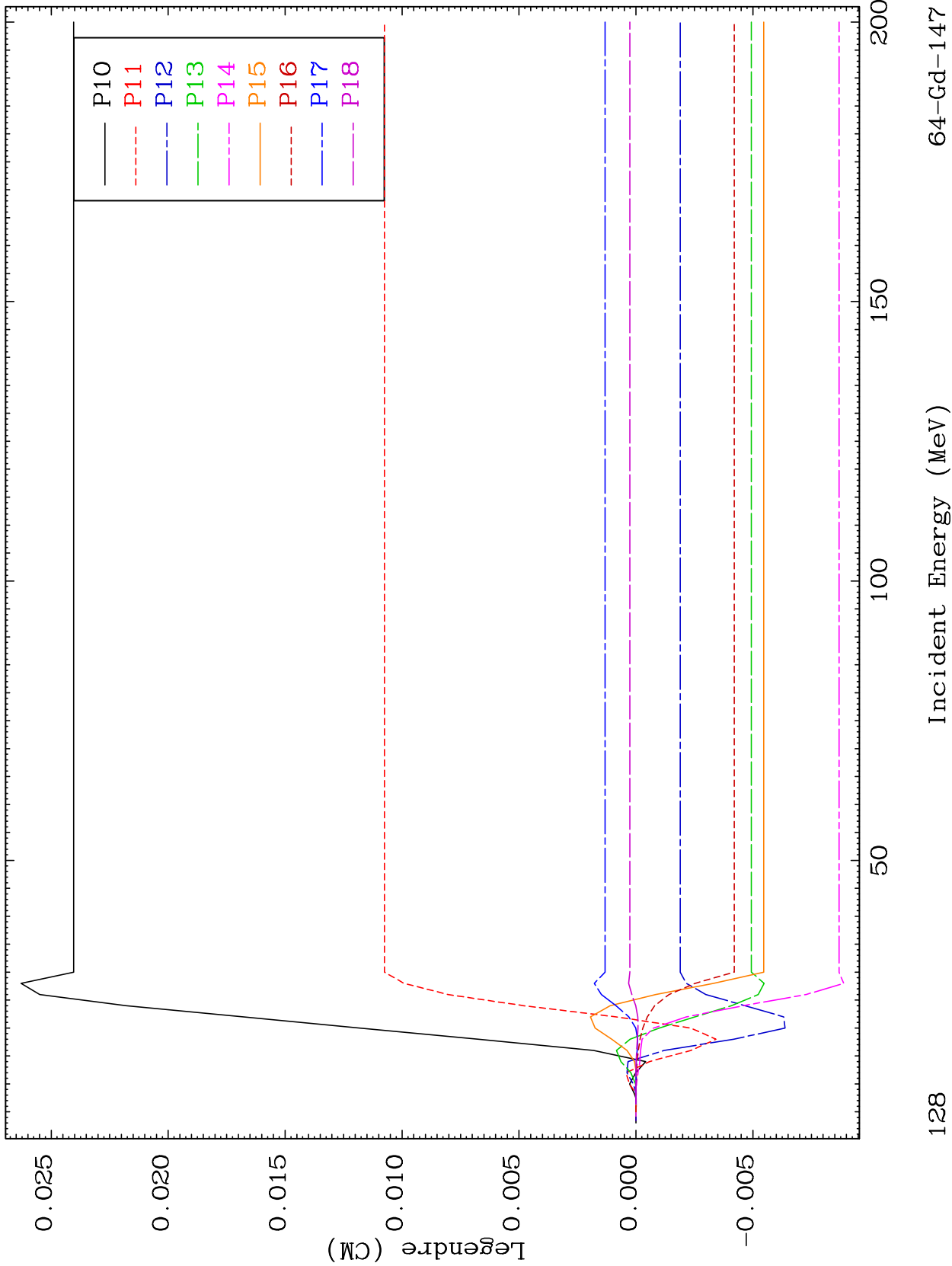
64-Gd-147

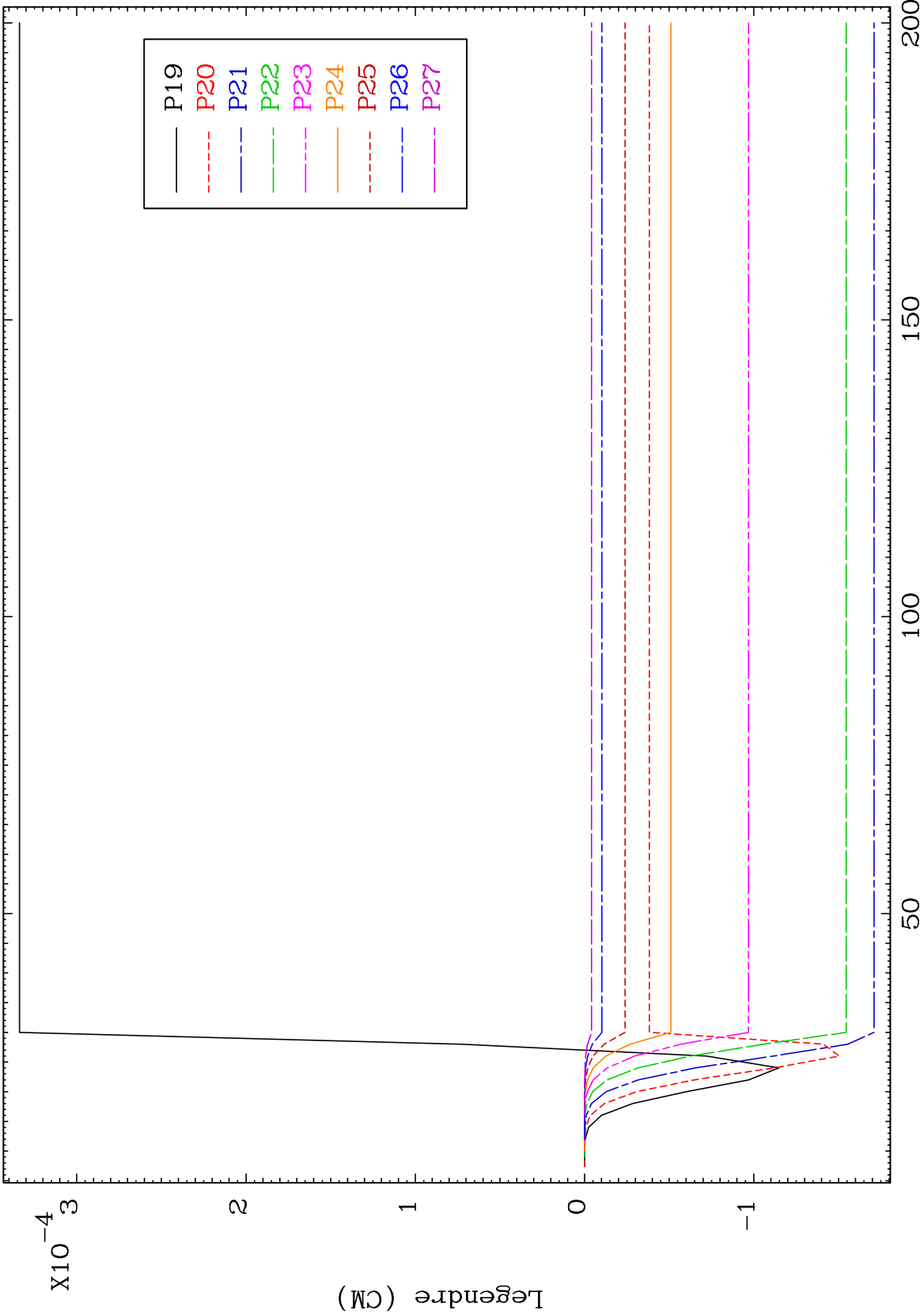


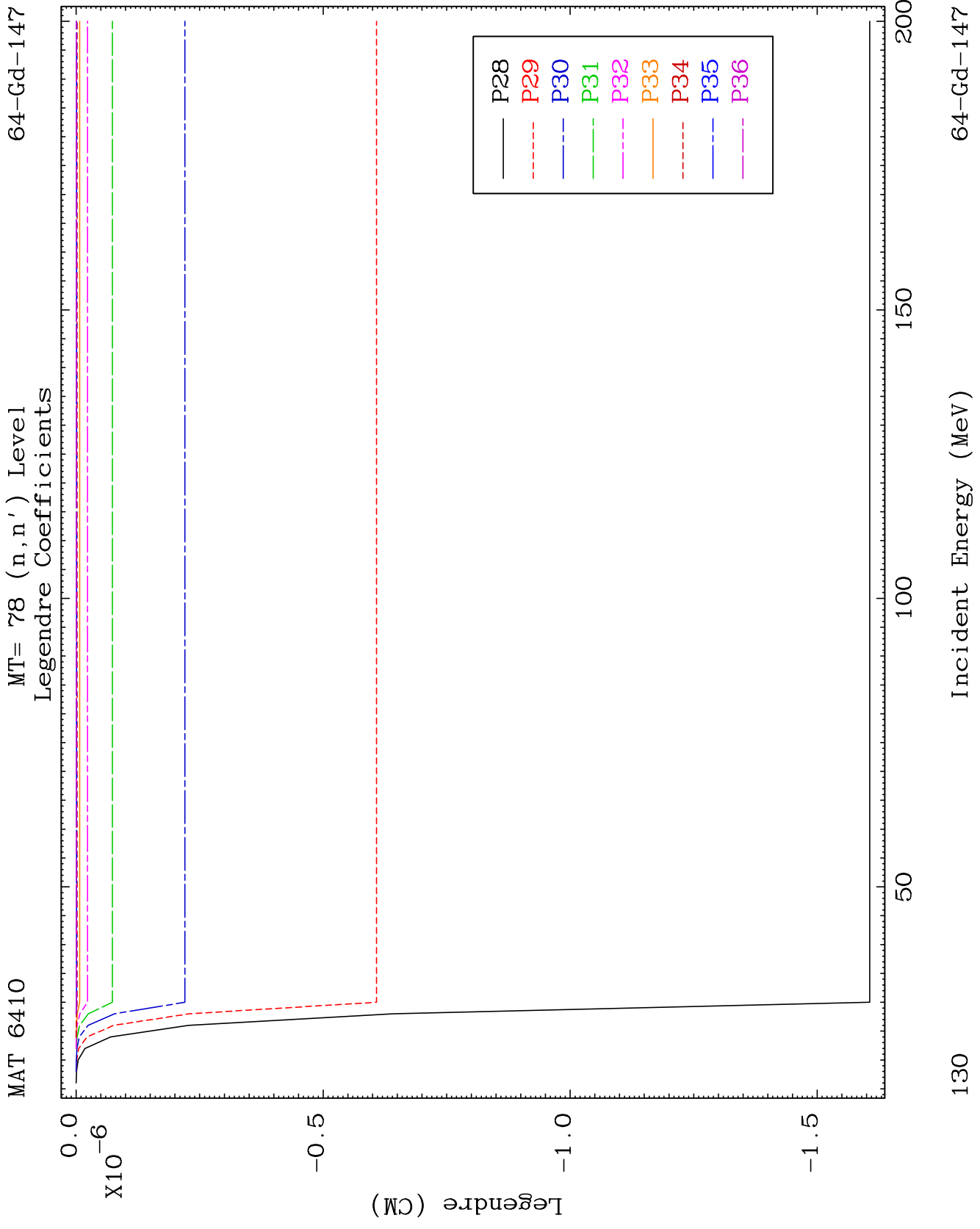
127

Incident Energy (MeV)

64-Gd-147



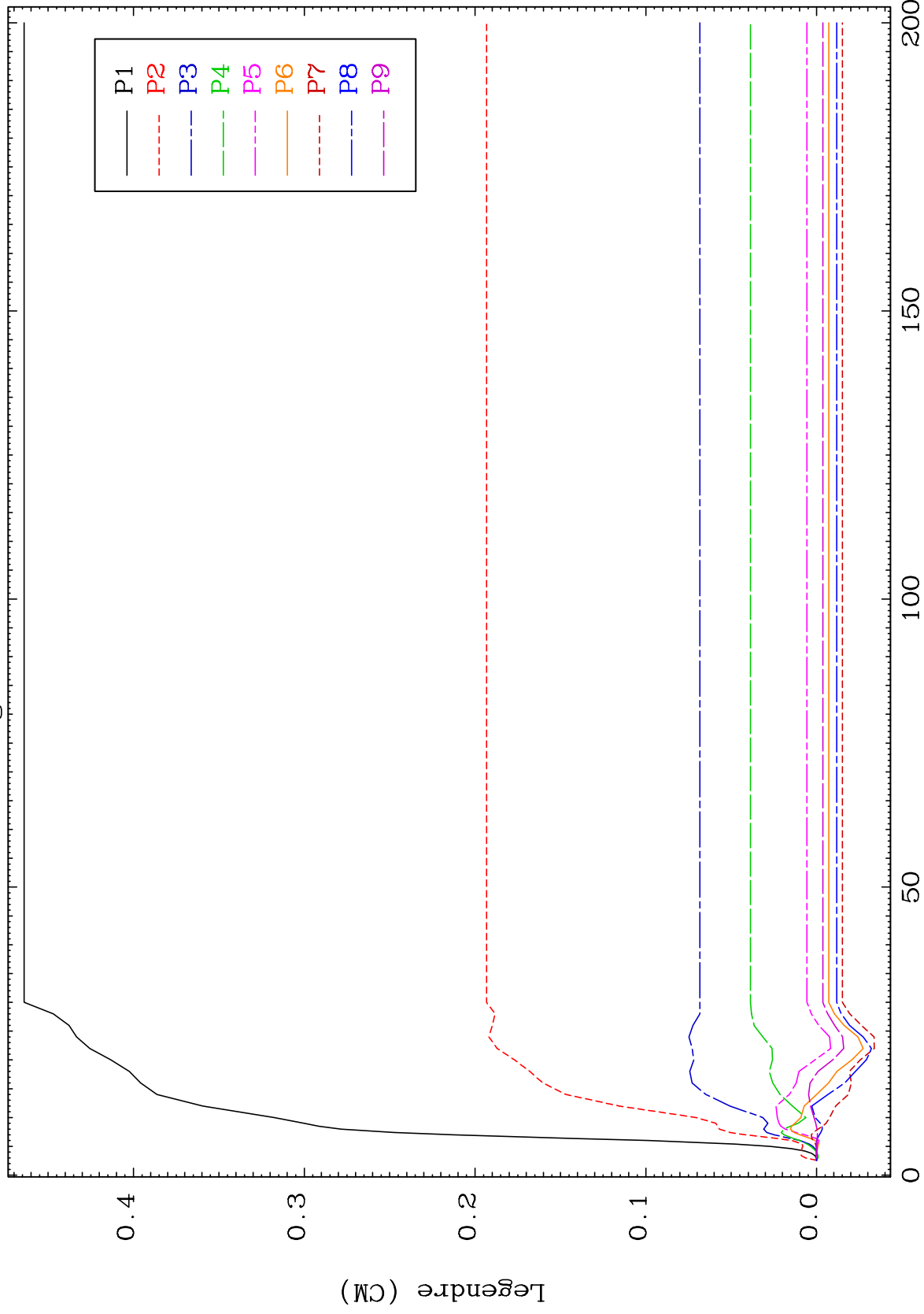




MAT 6410

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

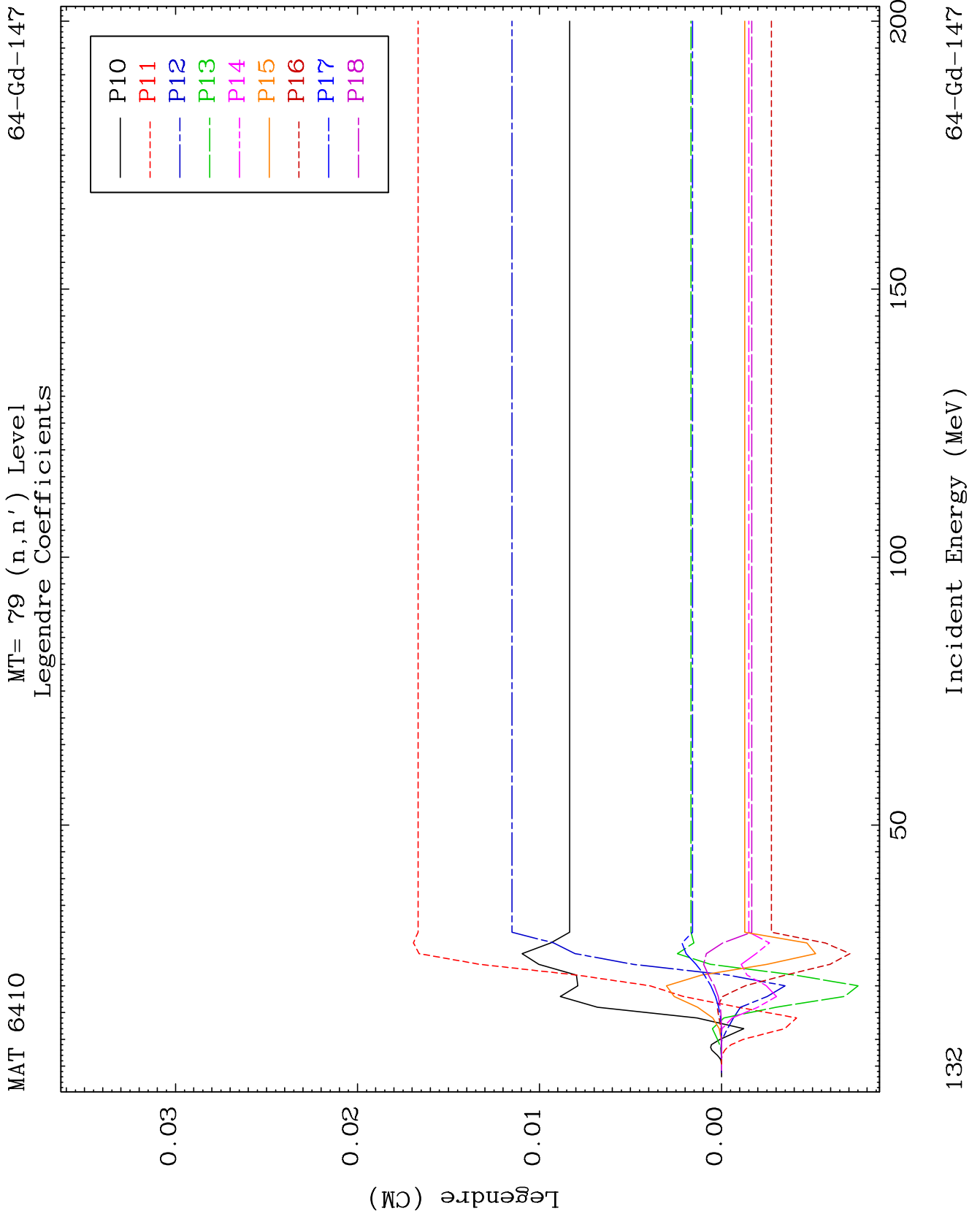
64-Gd-147

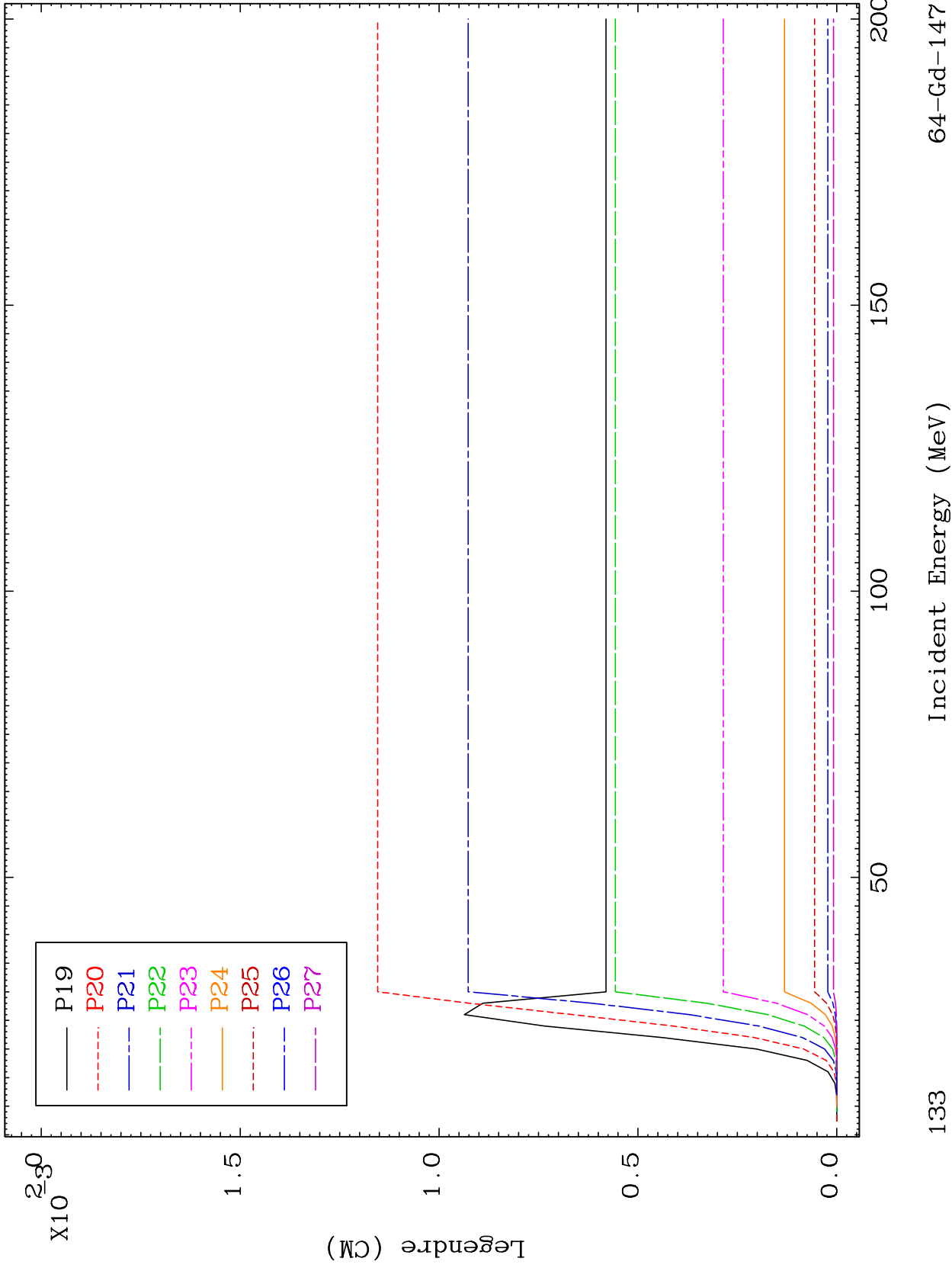


131

Incident Energy (MeV)

64-Gd-147

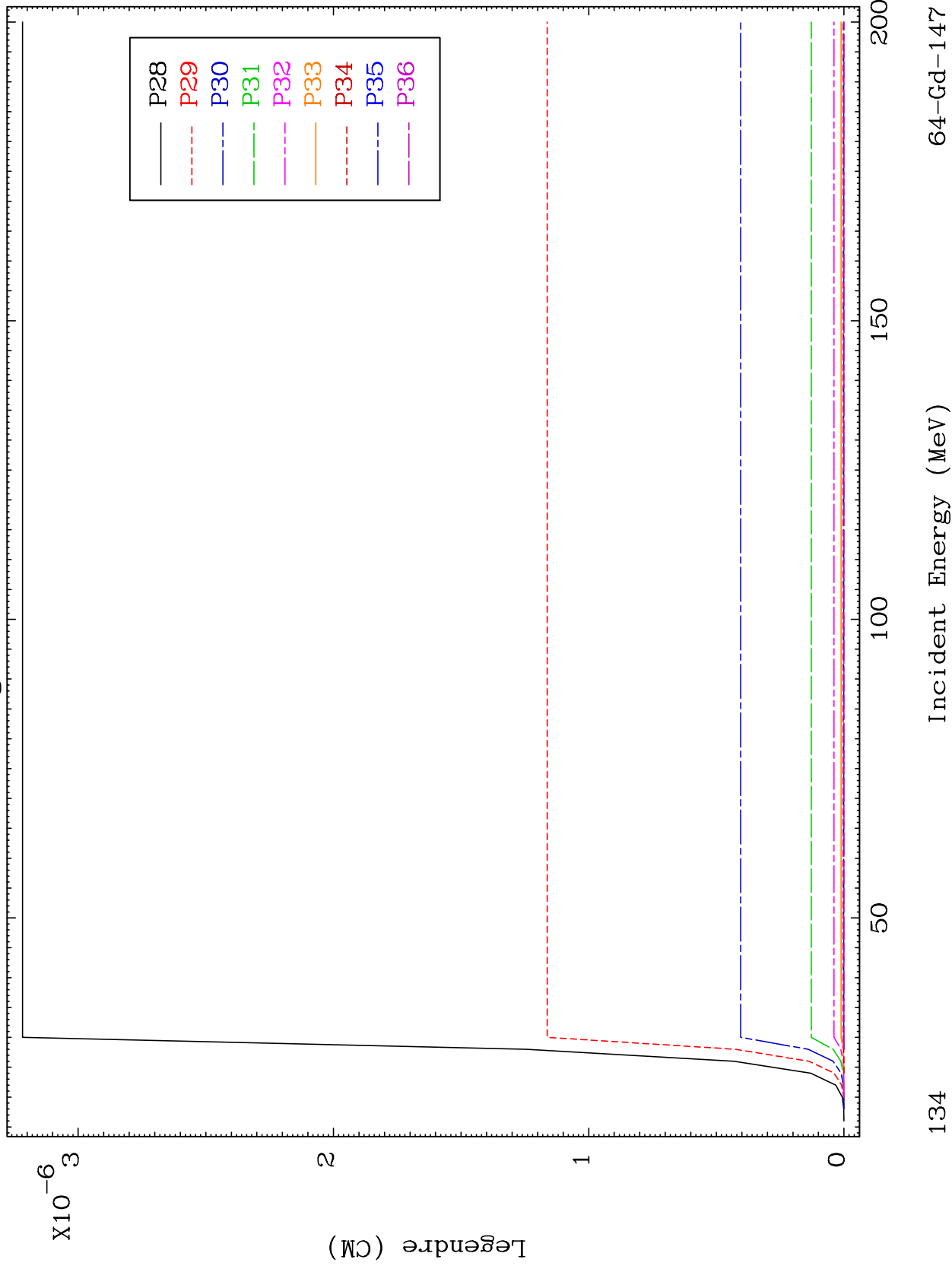




MAT 6410

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

64-Gd-147



134

Incident Energy (MeV)

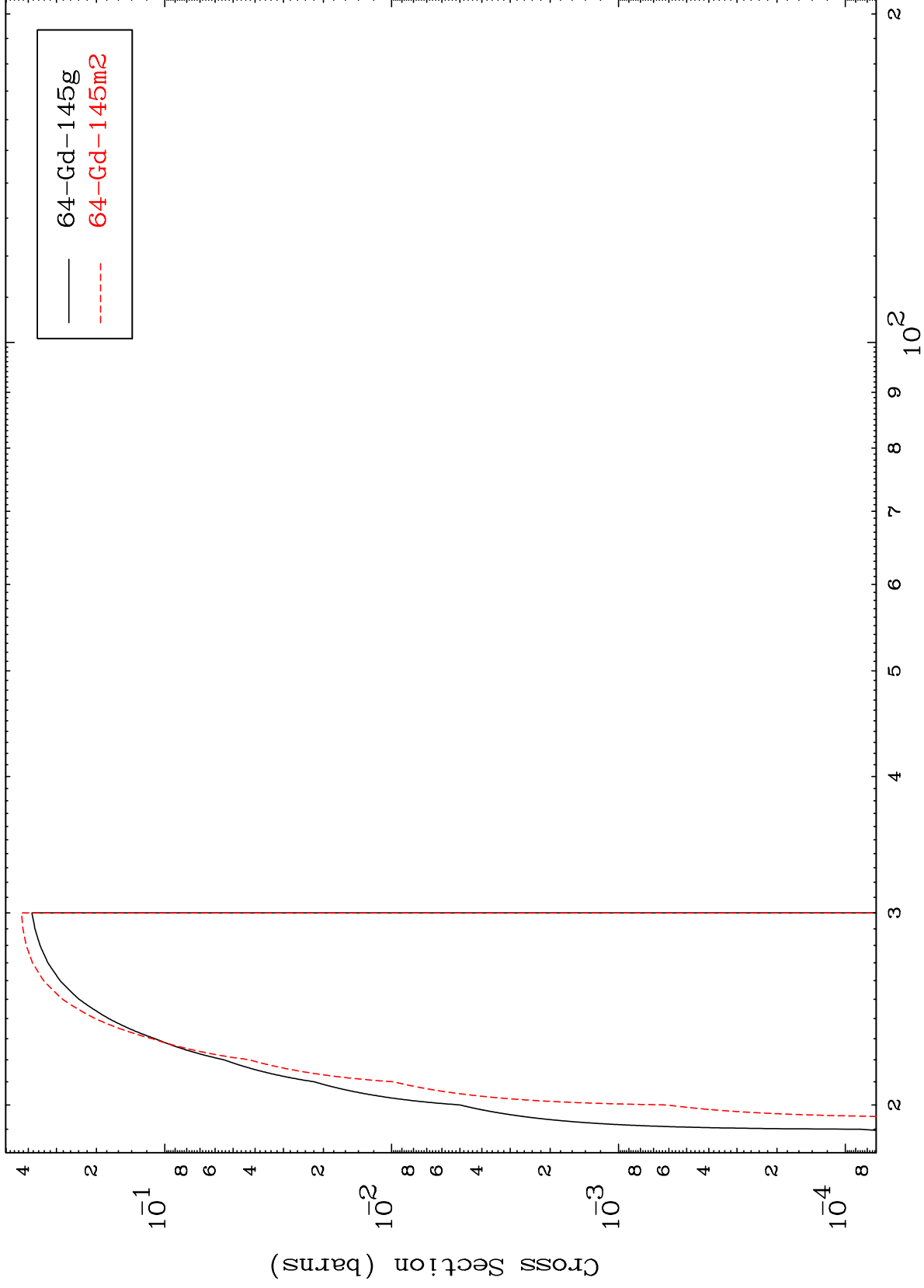
64-Gd-147

MAT 6410

(n,3n)

64-Gd-147

Radionuclide Production Cross Section



135

Incident Energy (MeV)

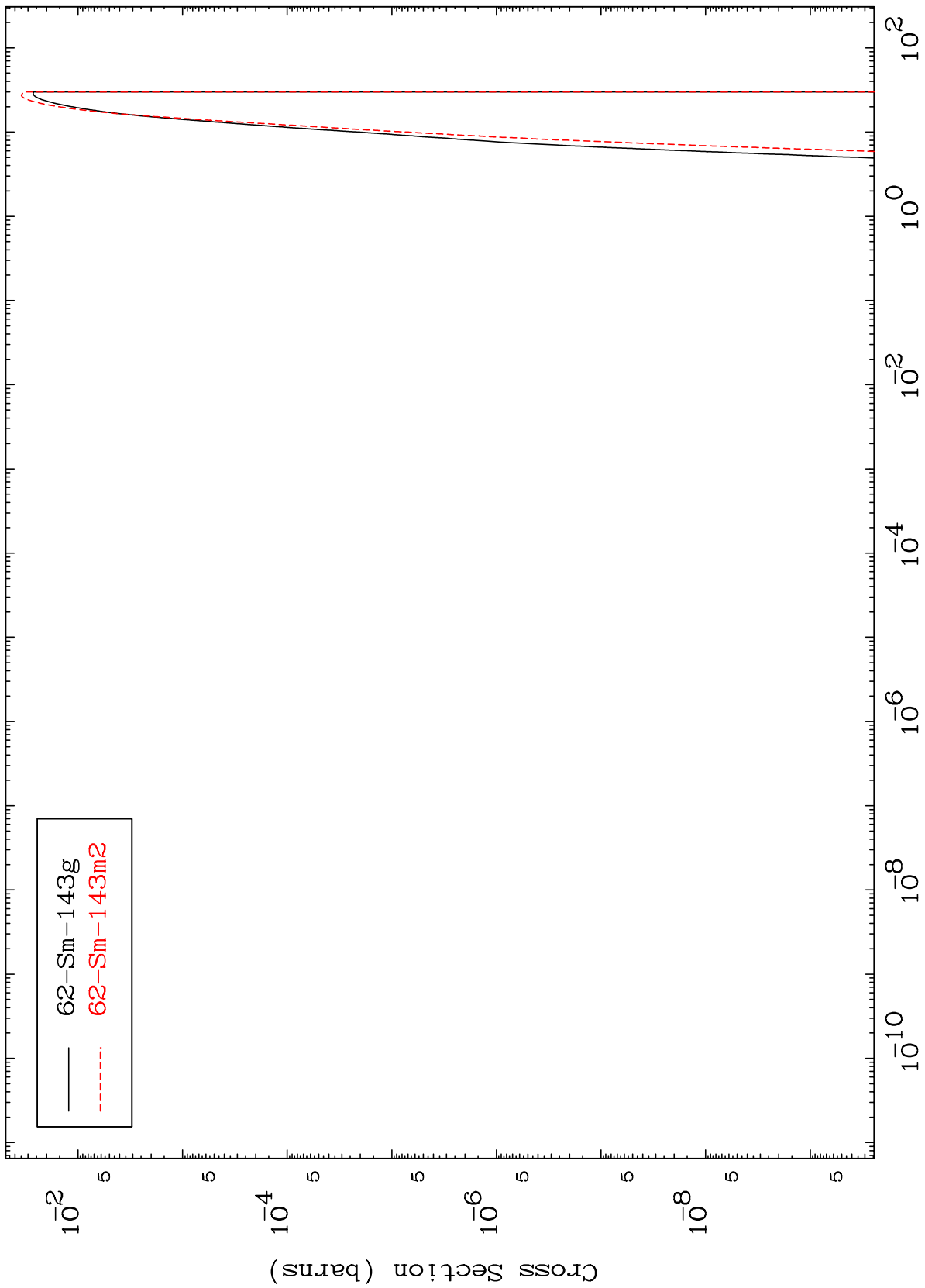
64-Gd-147

MAT 6410

(n, n') α

64-Gd-147

Radionuclide Production Cross Section



136

Incident Energy (MeV)

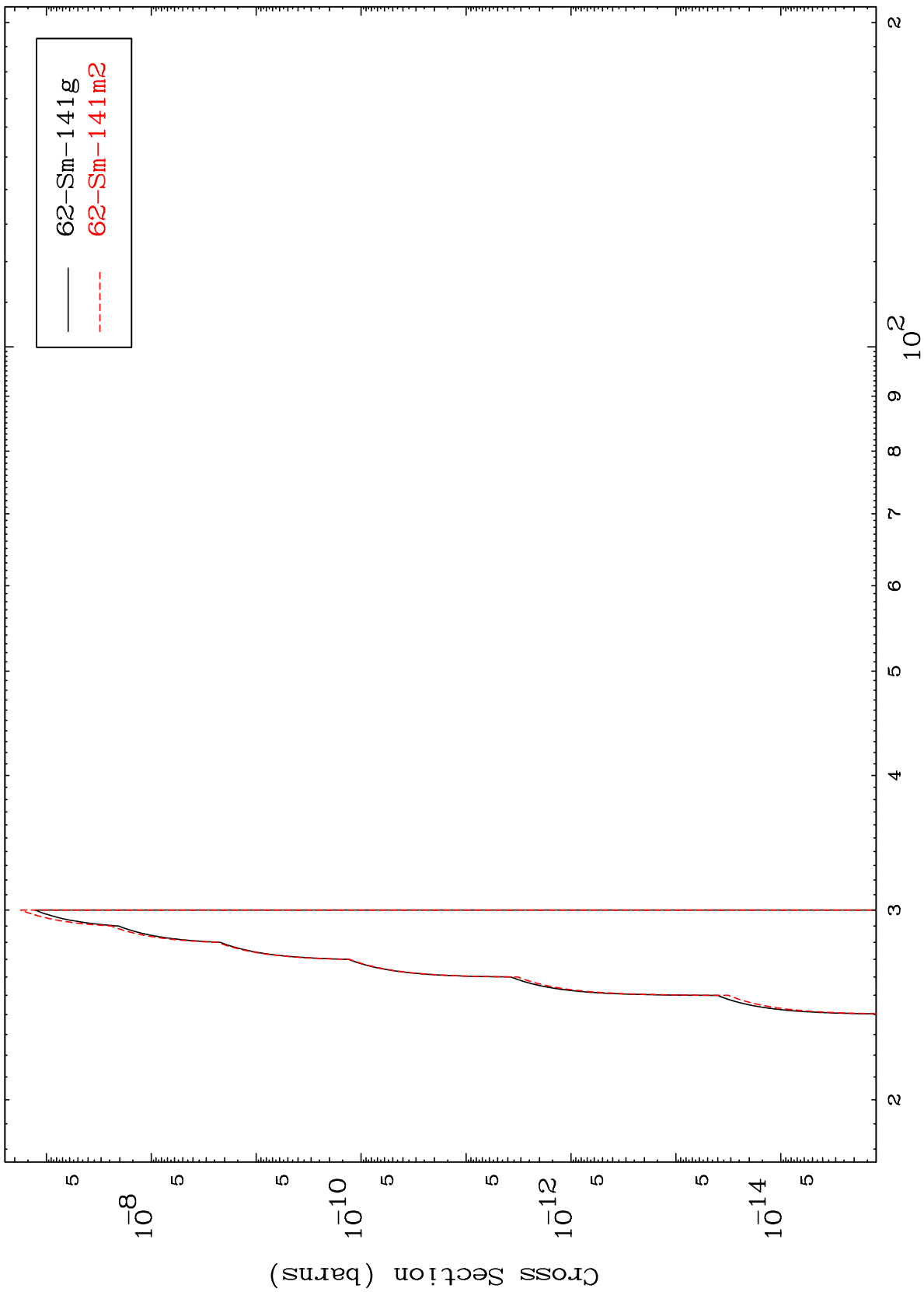
64-Gd-147

MAT 6410

(n,3n) α

64-Gd-147

Radionuclide Production Cross Section



137

Incident Energy (MeV)

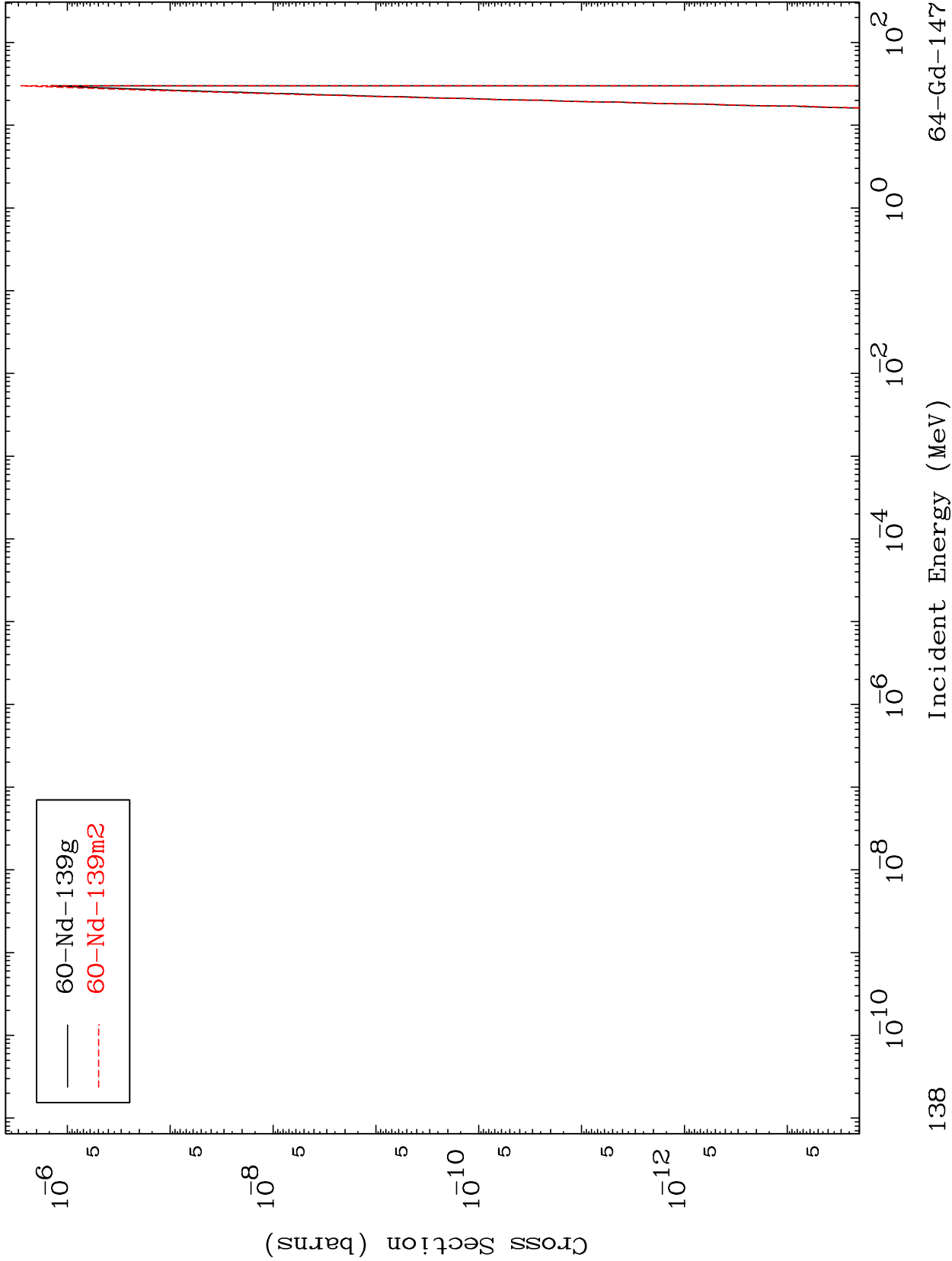
64-Gd-147

MAT 6410

(n,n') 2α

64-Gd-147

Radionuclide Production Cross Section



60-Nd-139g
60-Nd-139m2