

Program EVALPLOT  
(Version 2021-1)

by

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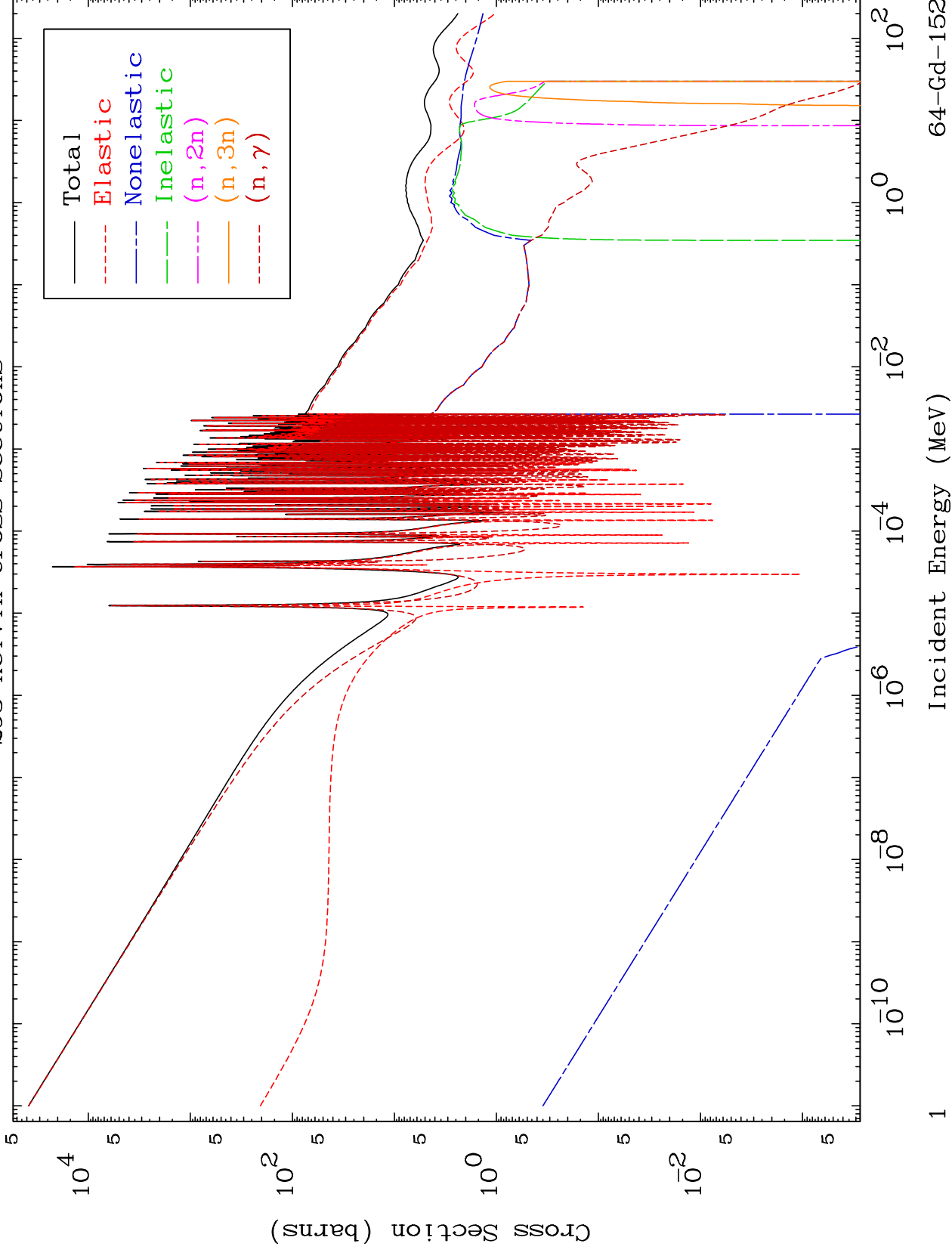
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Press Mouse Button to Start

MAT 6425

Neutron Major  
293 Kelvin Cross Sections

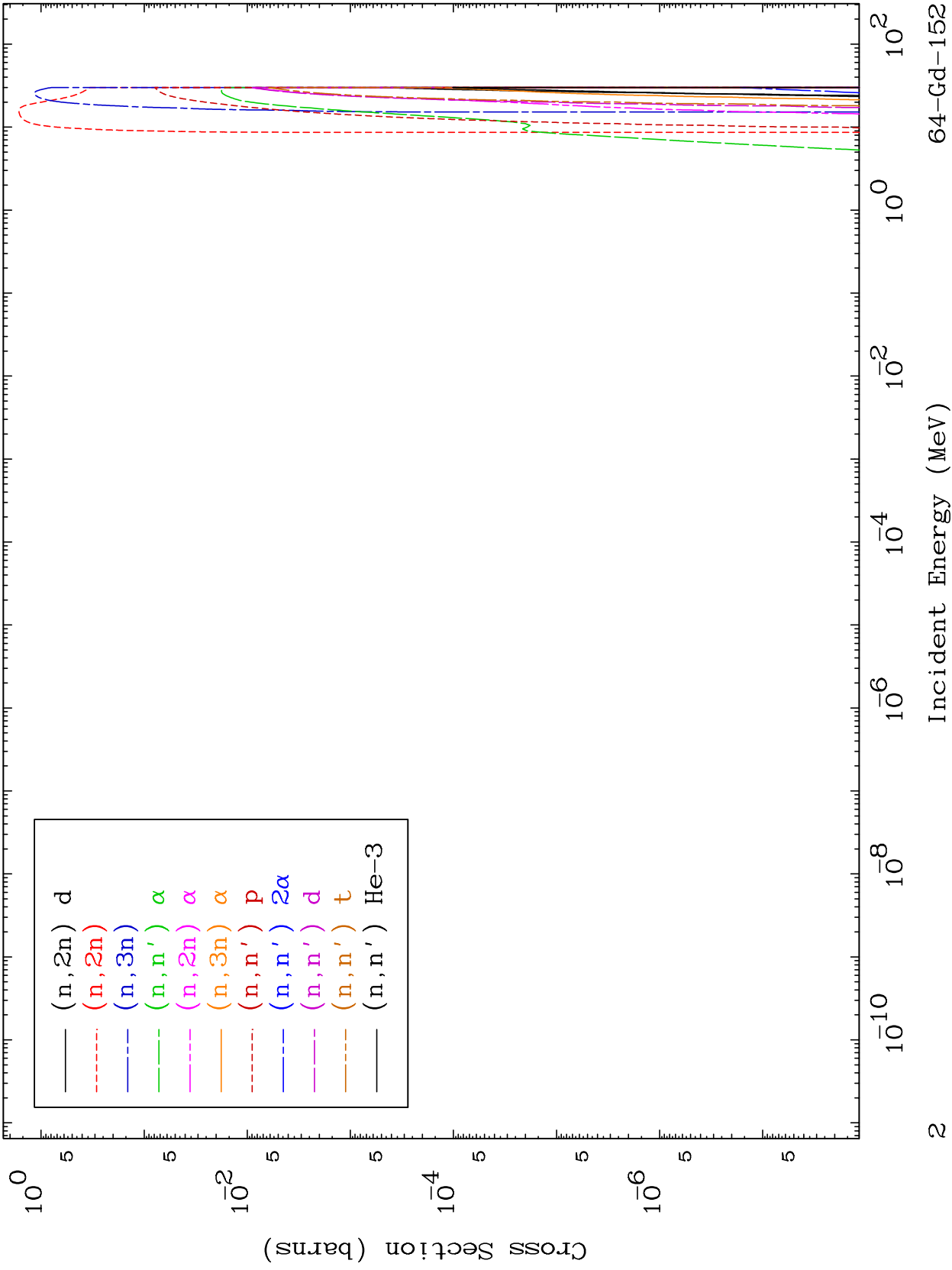
64-Gd-152



MAT 6425

Neutron Absorption  
293 Kelvin Cross Sections

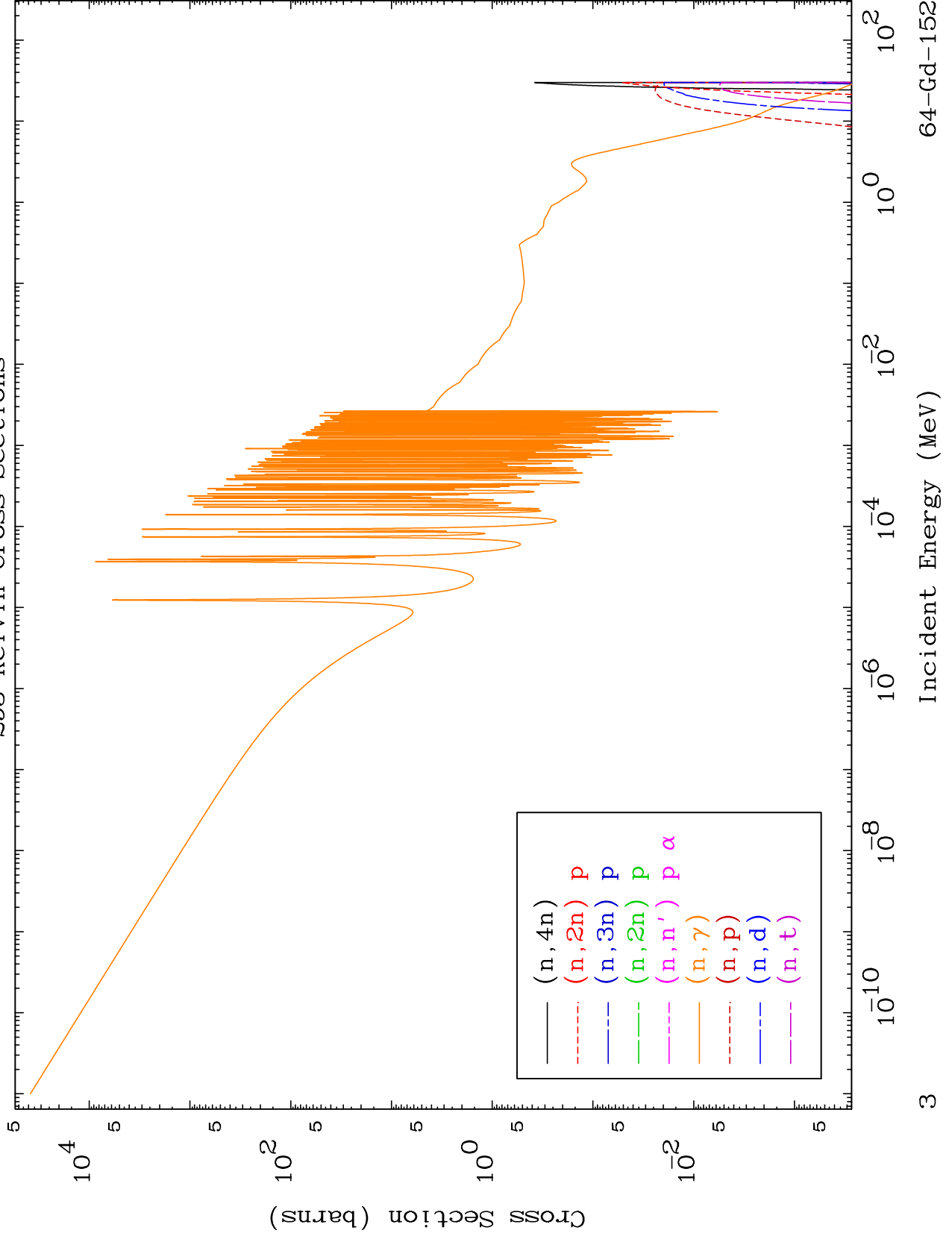
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MAT 6425

Neutron Absorption  
293 Kelvin Cross Sections

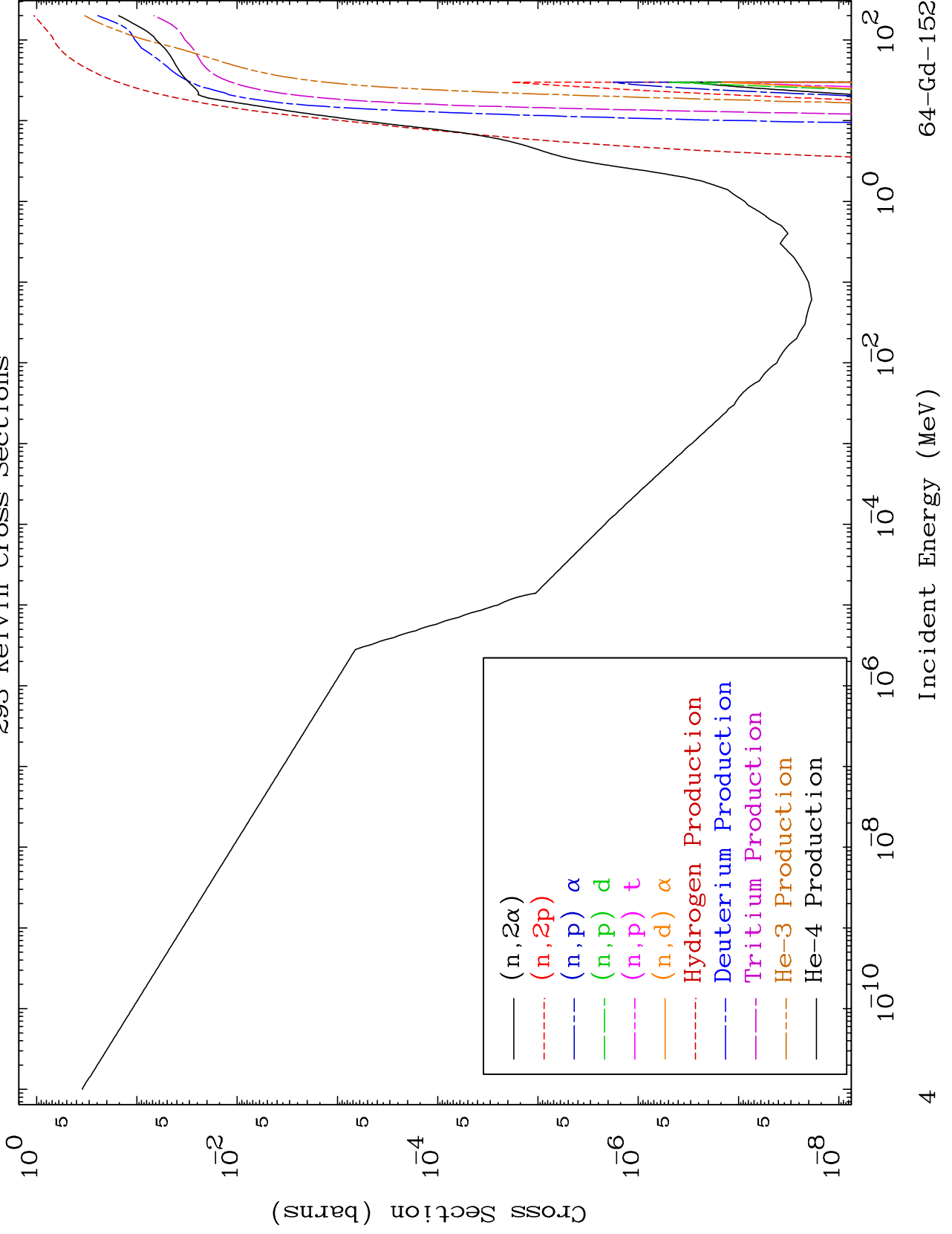
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MAT 6425

Neutron Absorption  
293 Kelvin Cross Sections

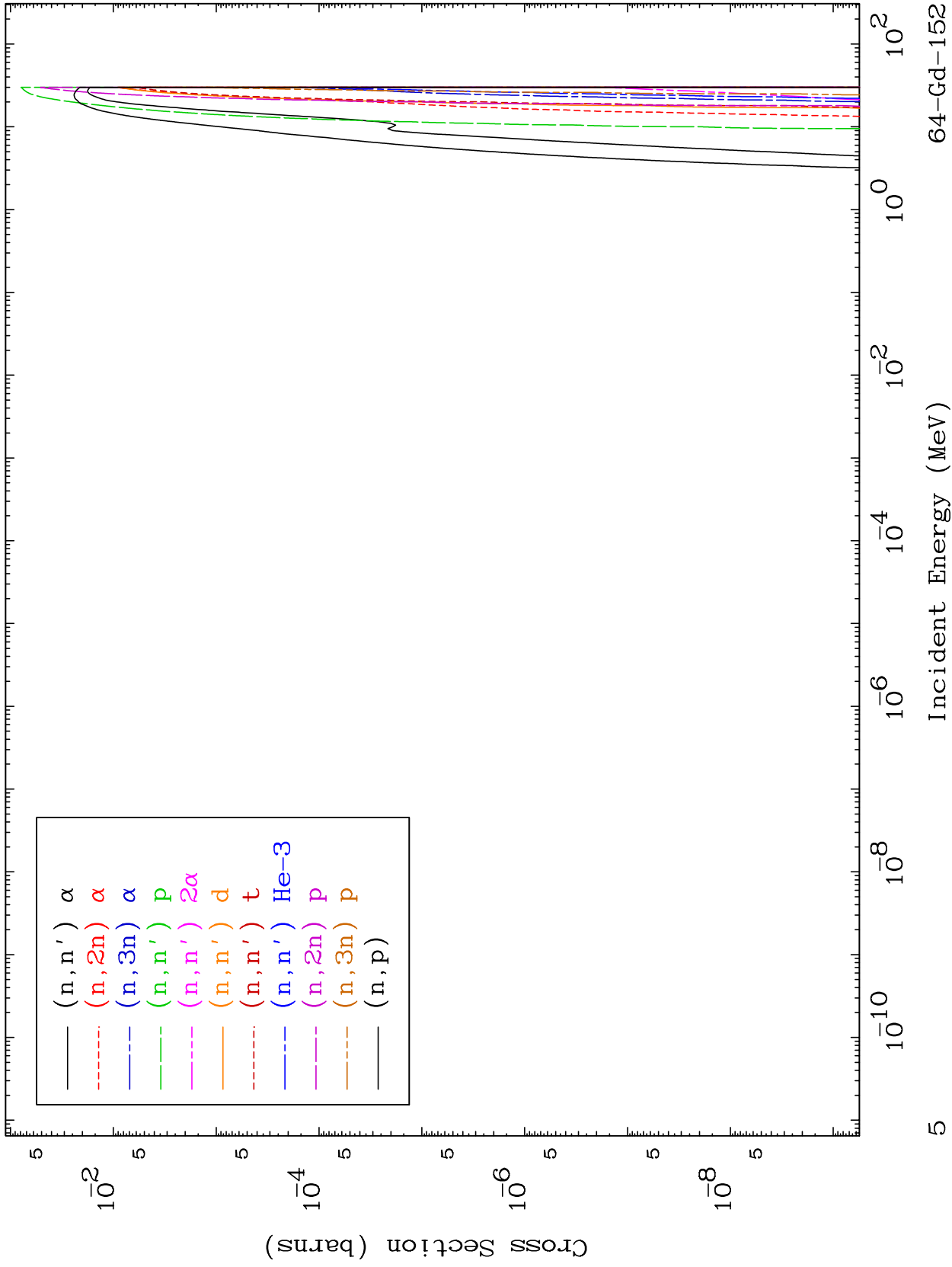
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MAT 6425

Charged Particle  
293 Kelvin Cross Sections

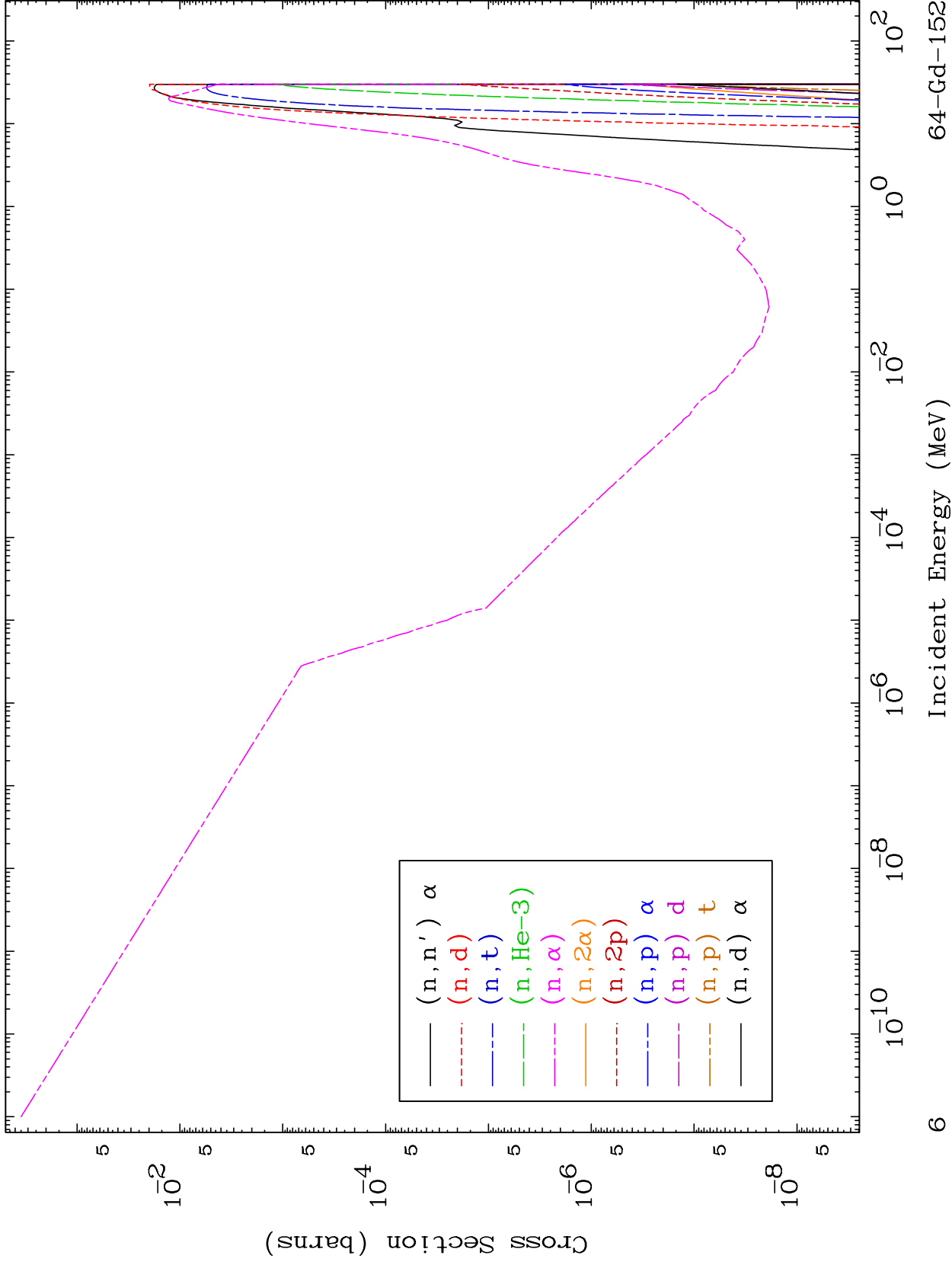
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MAT 6425

Charged Particle  
293 Kelvin Cross Sections

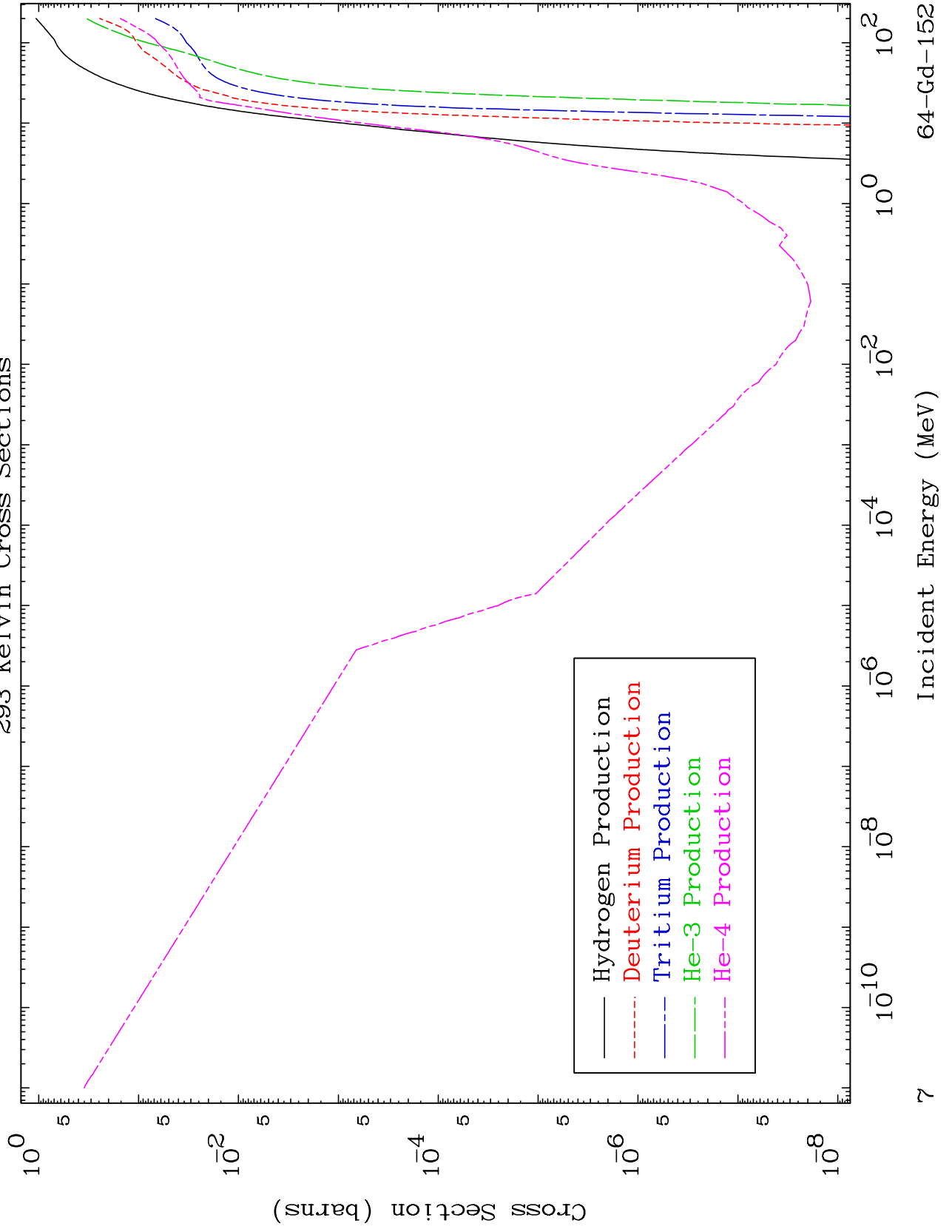
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MAT 6425

Particle Production  
293 Kelvin Cross Sections

64-Gd-152



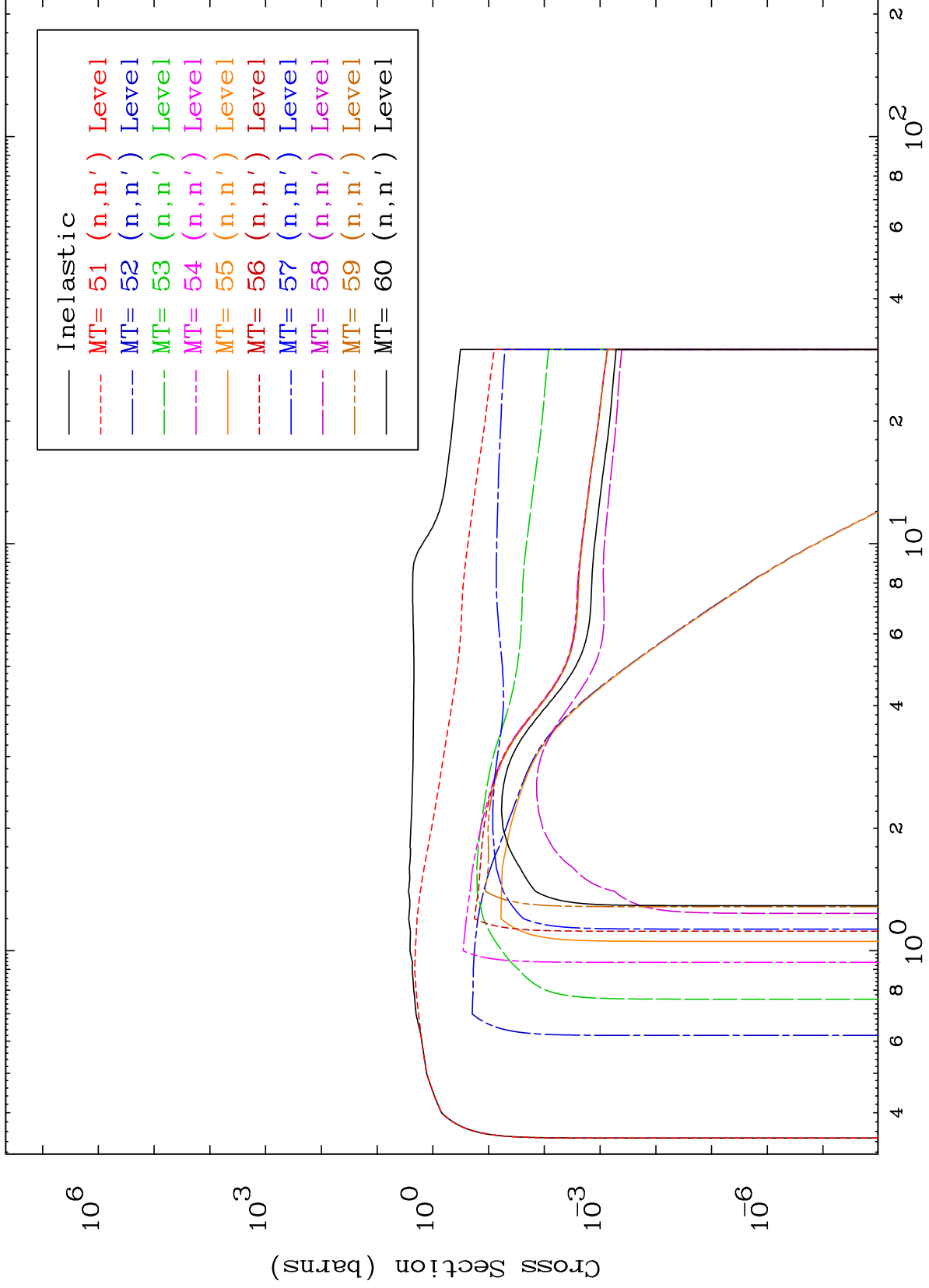


MAT 6425

(n,n') Levels

64-Gd-152

293 Kelvin Cross Sections



8

Incident Energy (MeV)

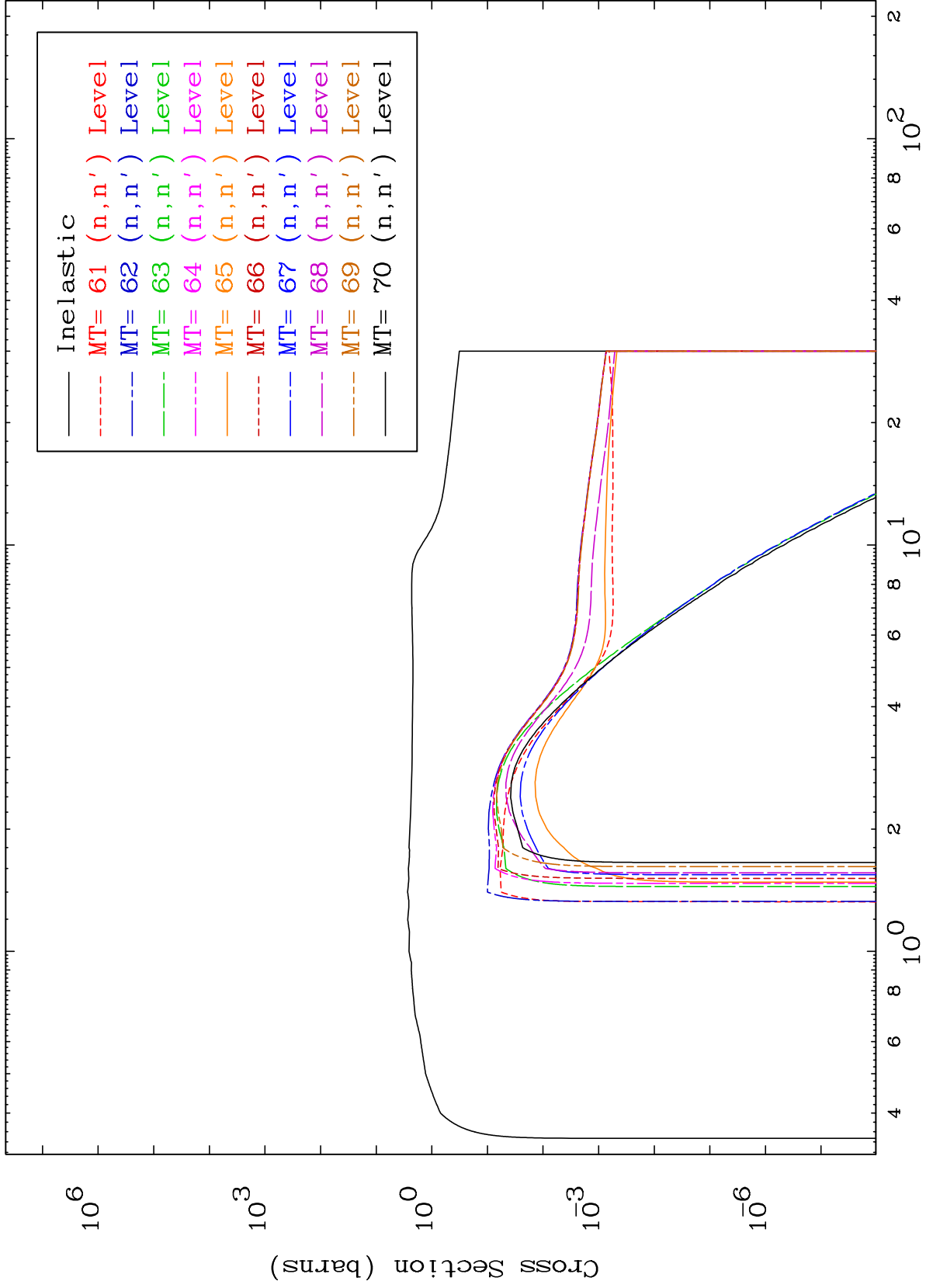
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MAT 6425

(n,n') Levels

64-Gd-152

293 Kelvin Cross Sections

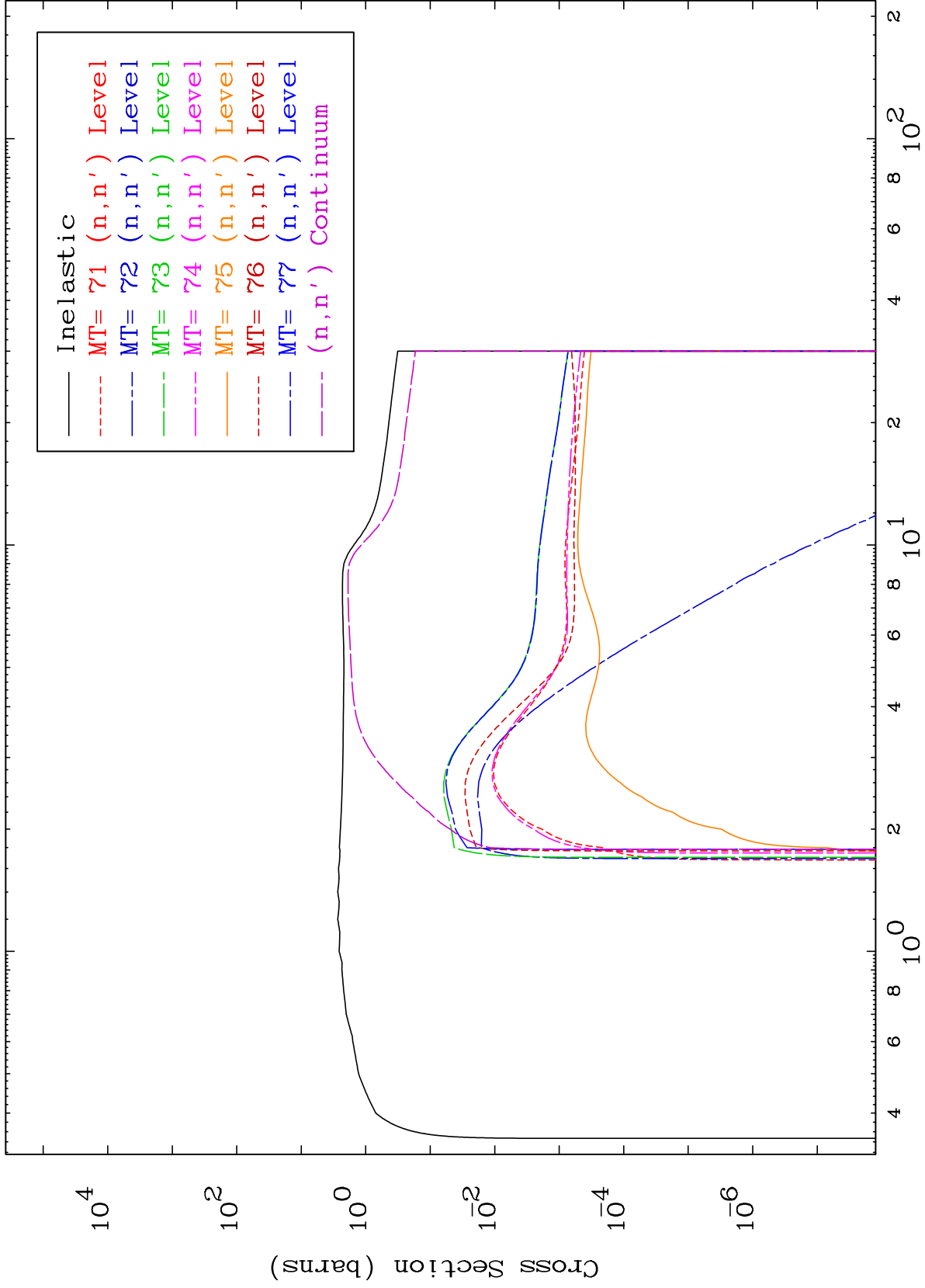


MAT 6425

(n,n') Levels

293 Kelvin Cross Sections

64-Gd-152



10

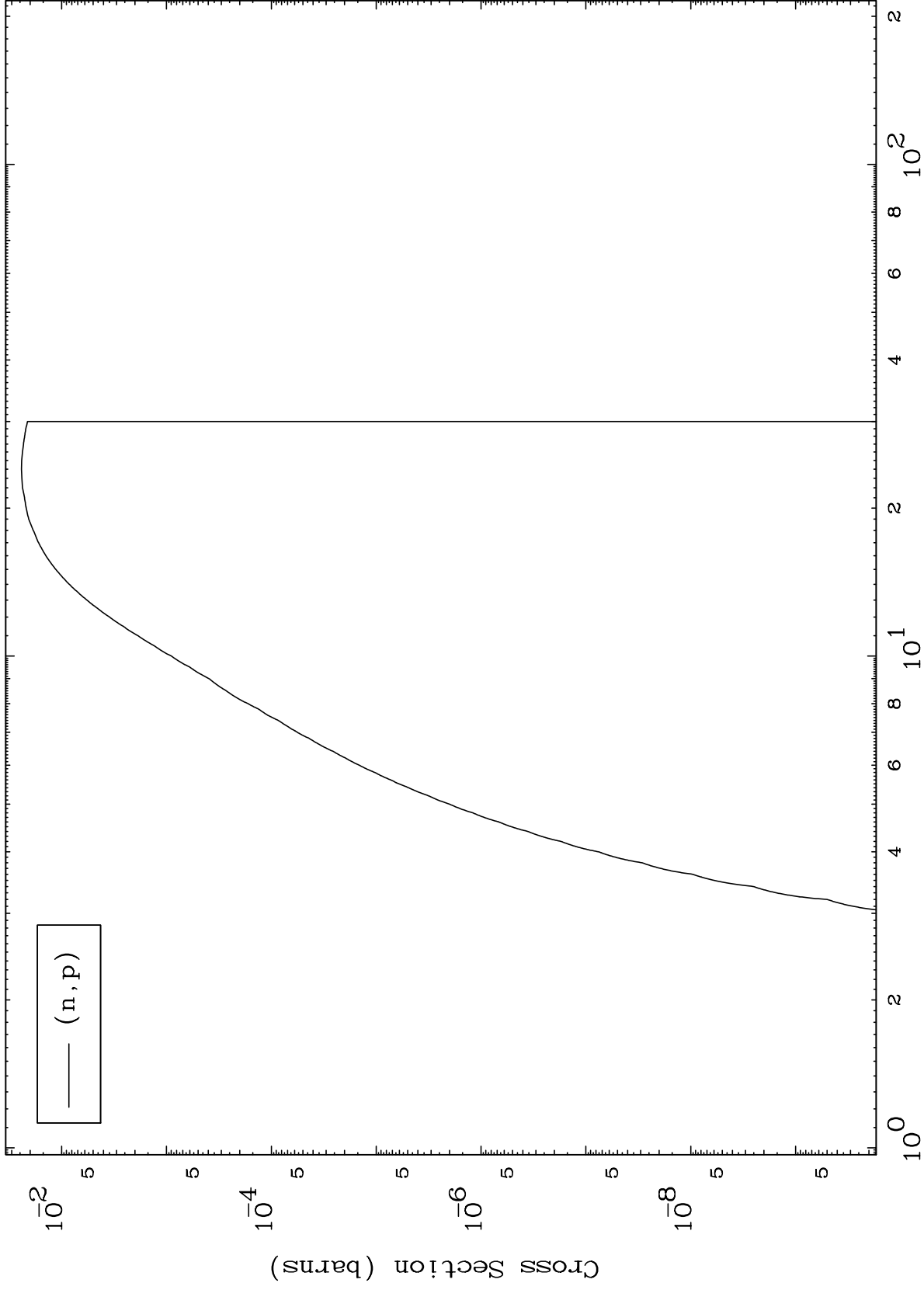
Incident Energy (MeV)

64-Gd-152

MAT 6425

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-152



11

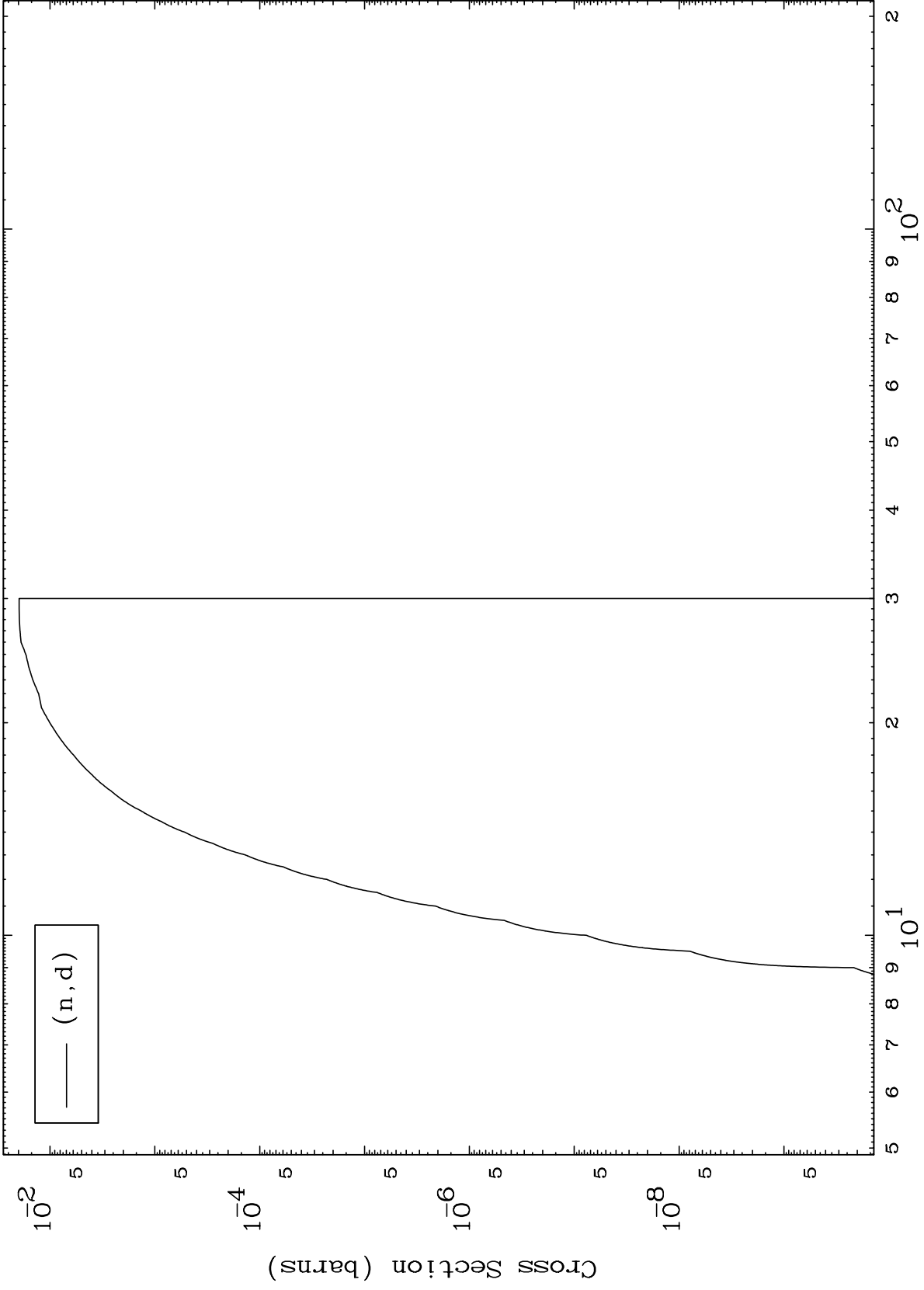
Incident Energy (MeV)

64-Gd-152

MAT 6425

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-152



12

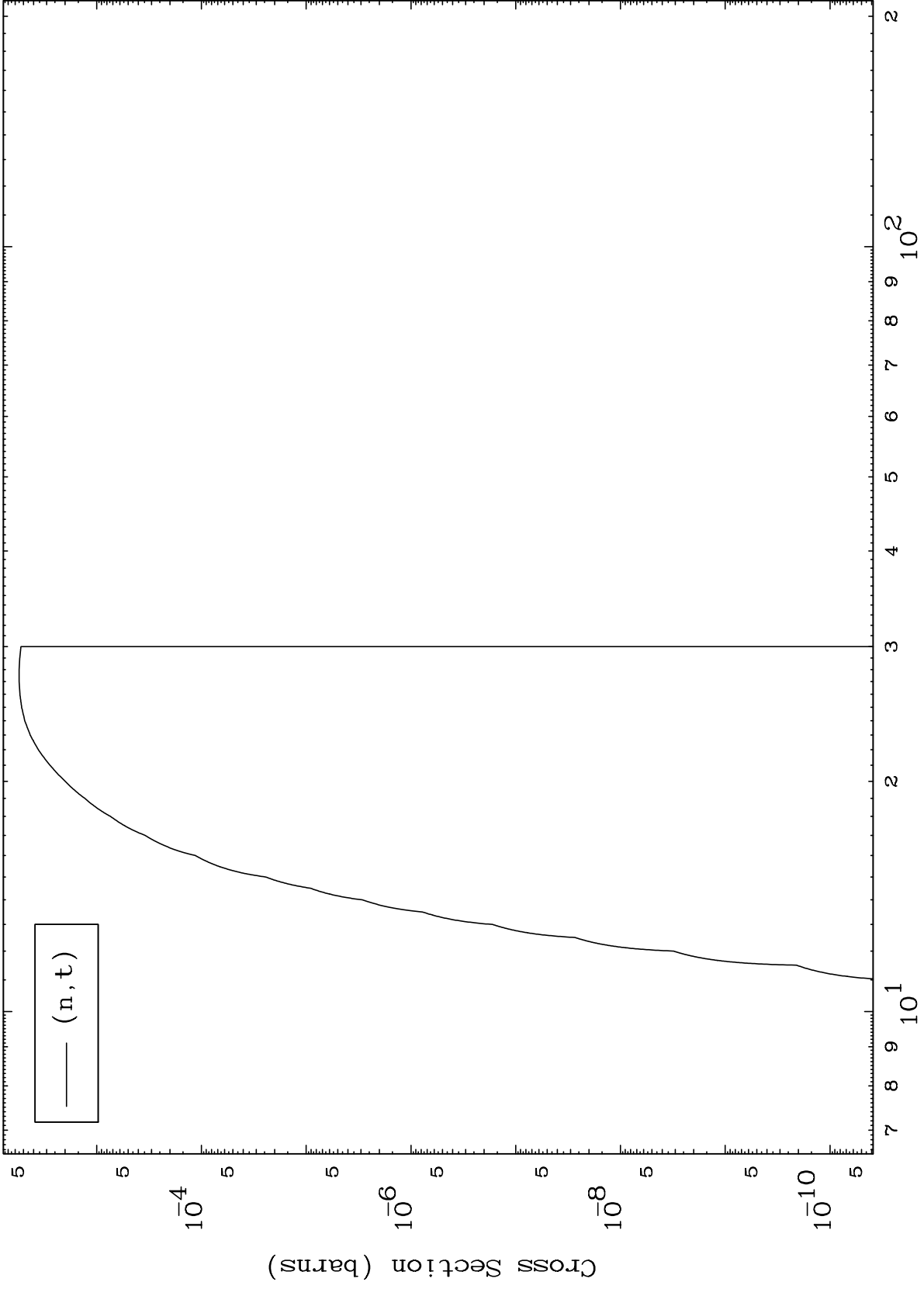
Incident Energy (MeV)

64-Gd-152

MAT 6425

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-152



13

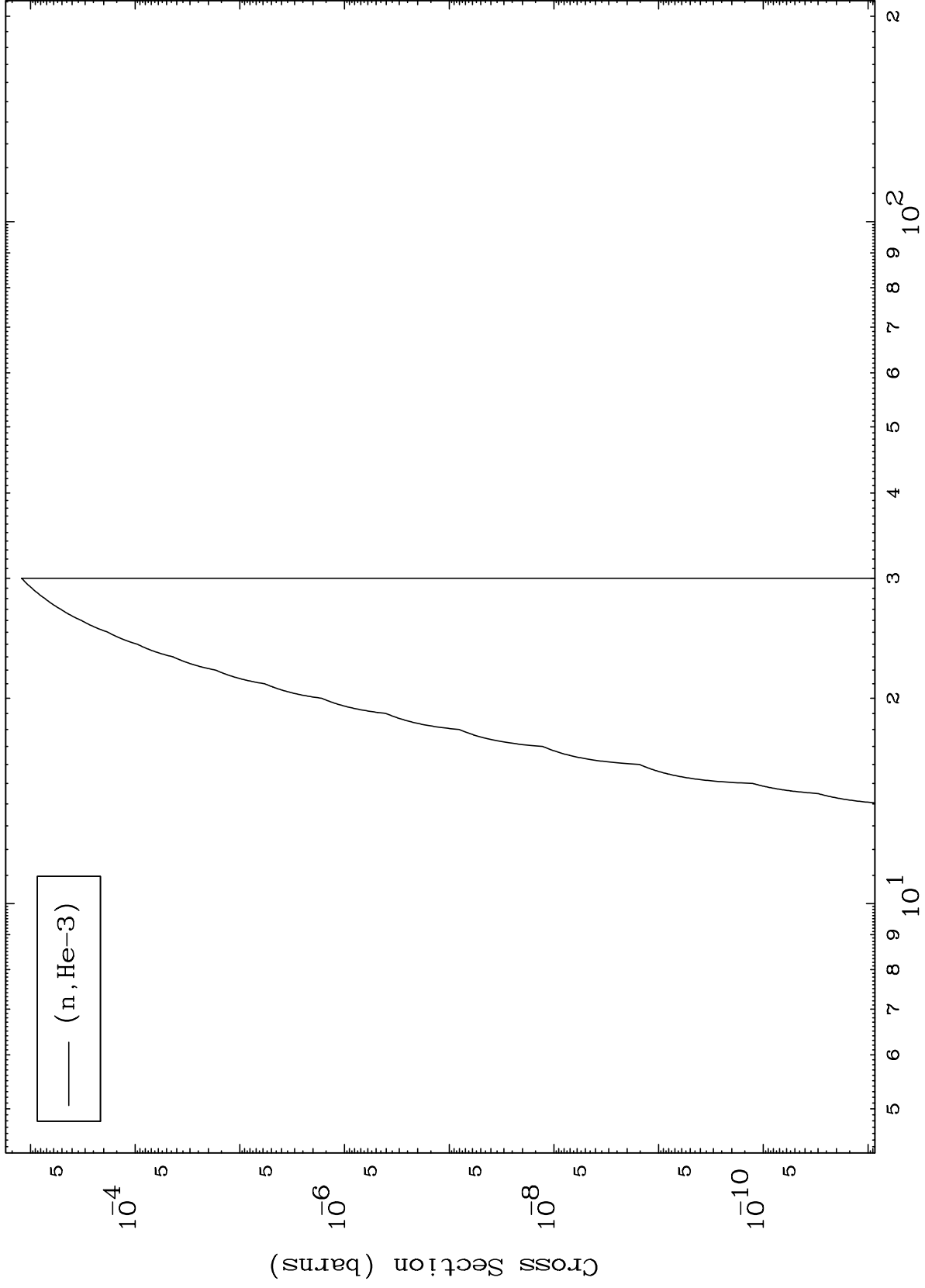
Incident Energy (MeV)

64-Gd-152

MAT 6425

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-152



14

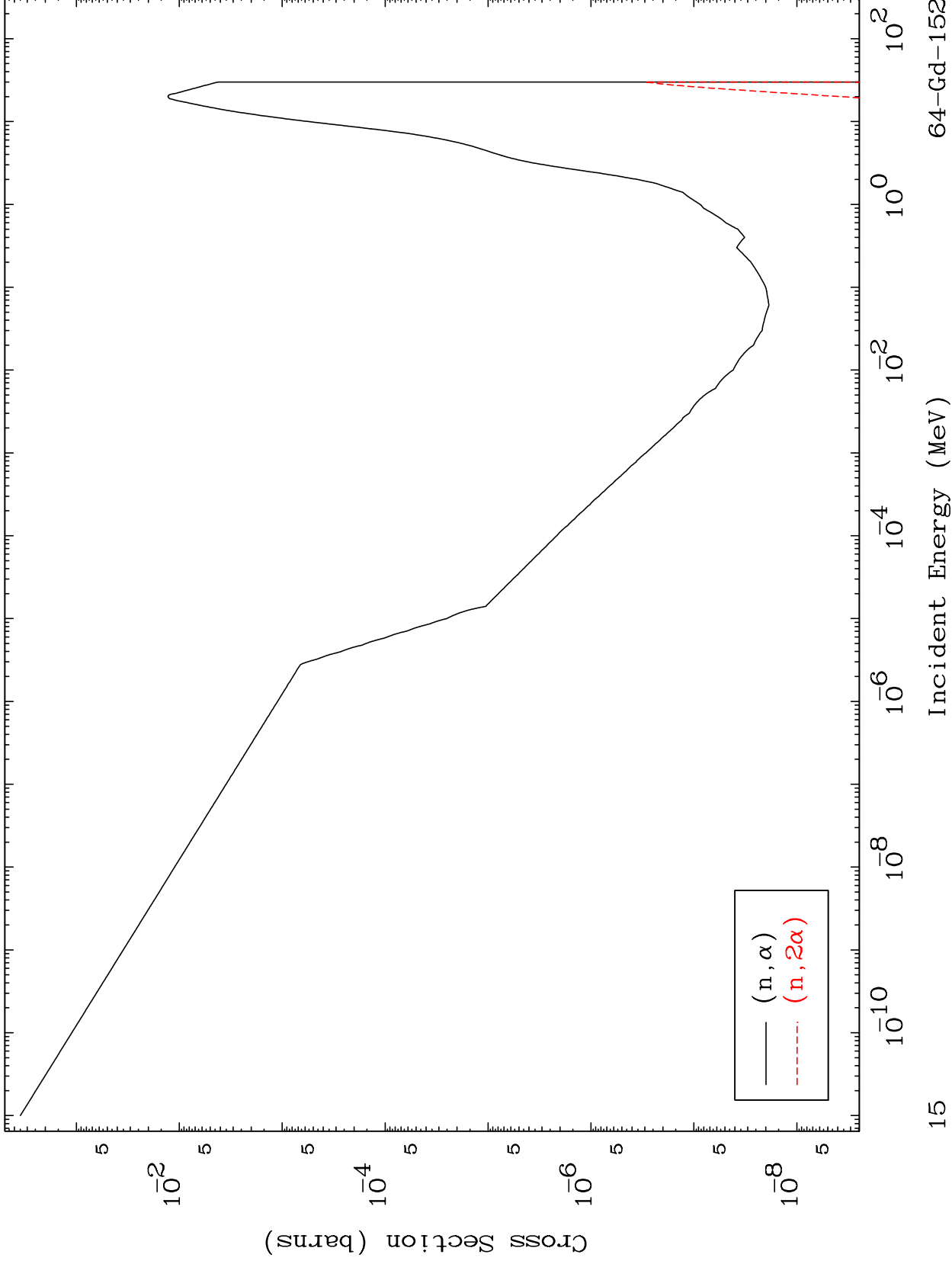
Incident Energy (MeV)

64-Gd-152

MAT 6425

293 (n,α) Levels  
Kelvin Cross Sections

64-Gd-152

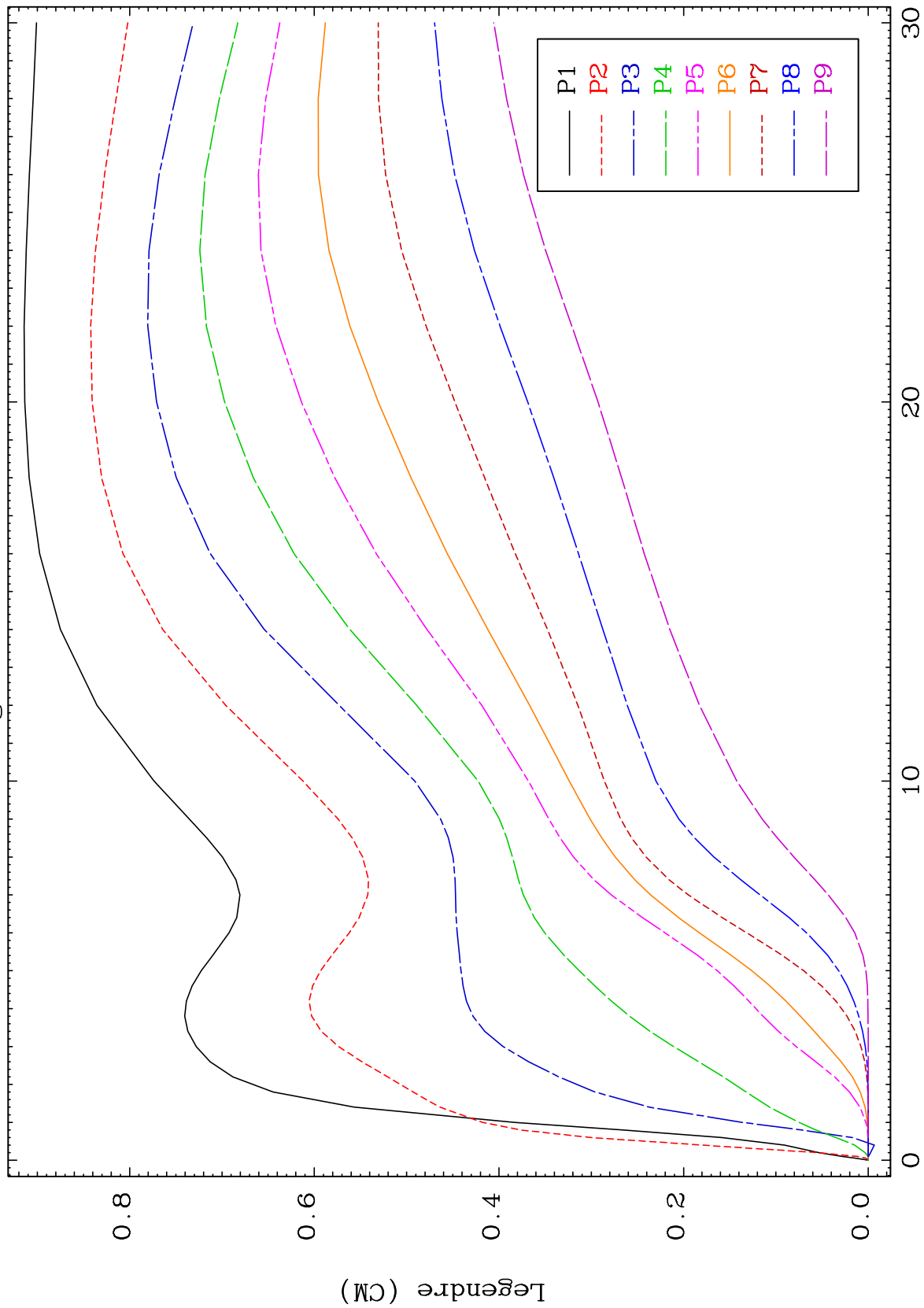




MAT 6425

Elastic Legendre Coefficients

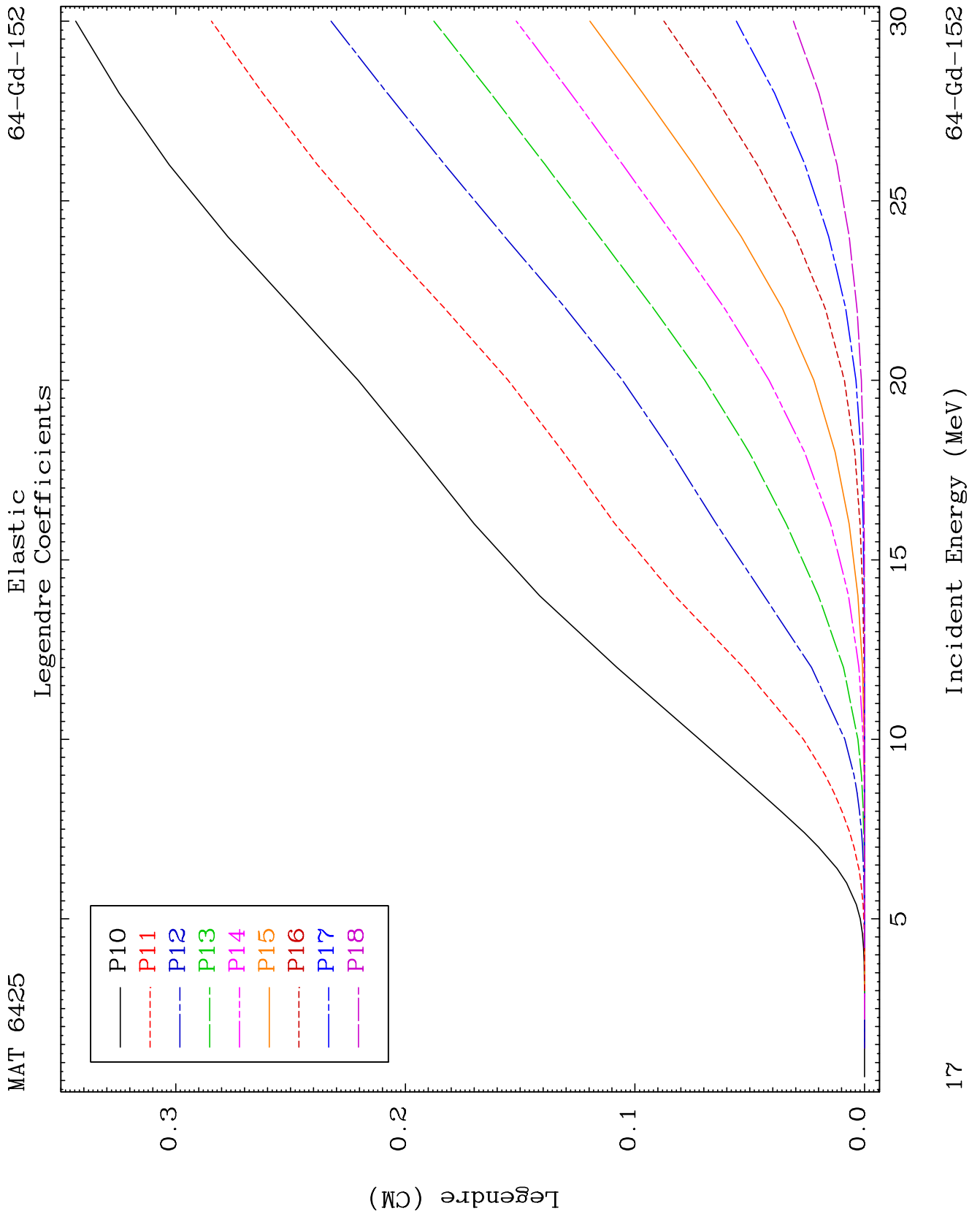
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16

Incident Energy (MeV)

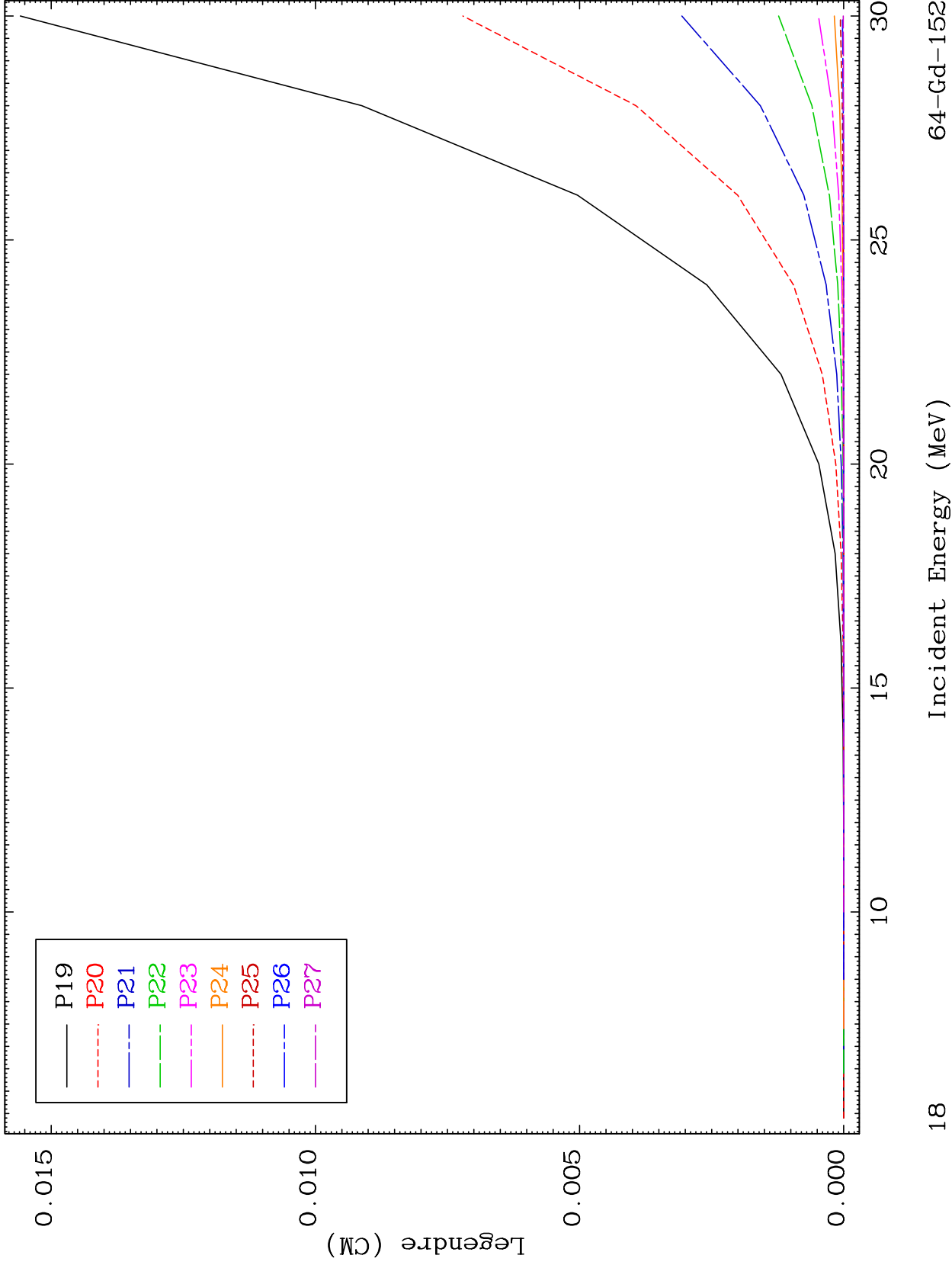
64-Gd-152



MAT 6425

### Elastic Legendre Coefficients

64-Gd-152



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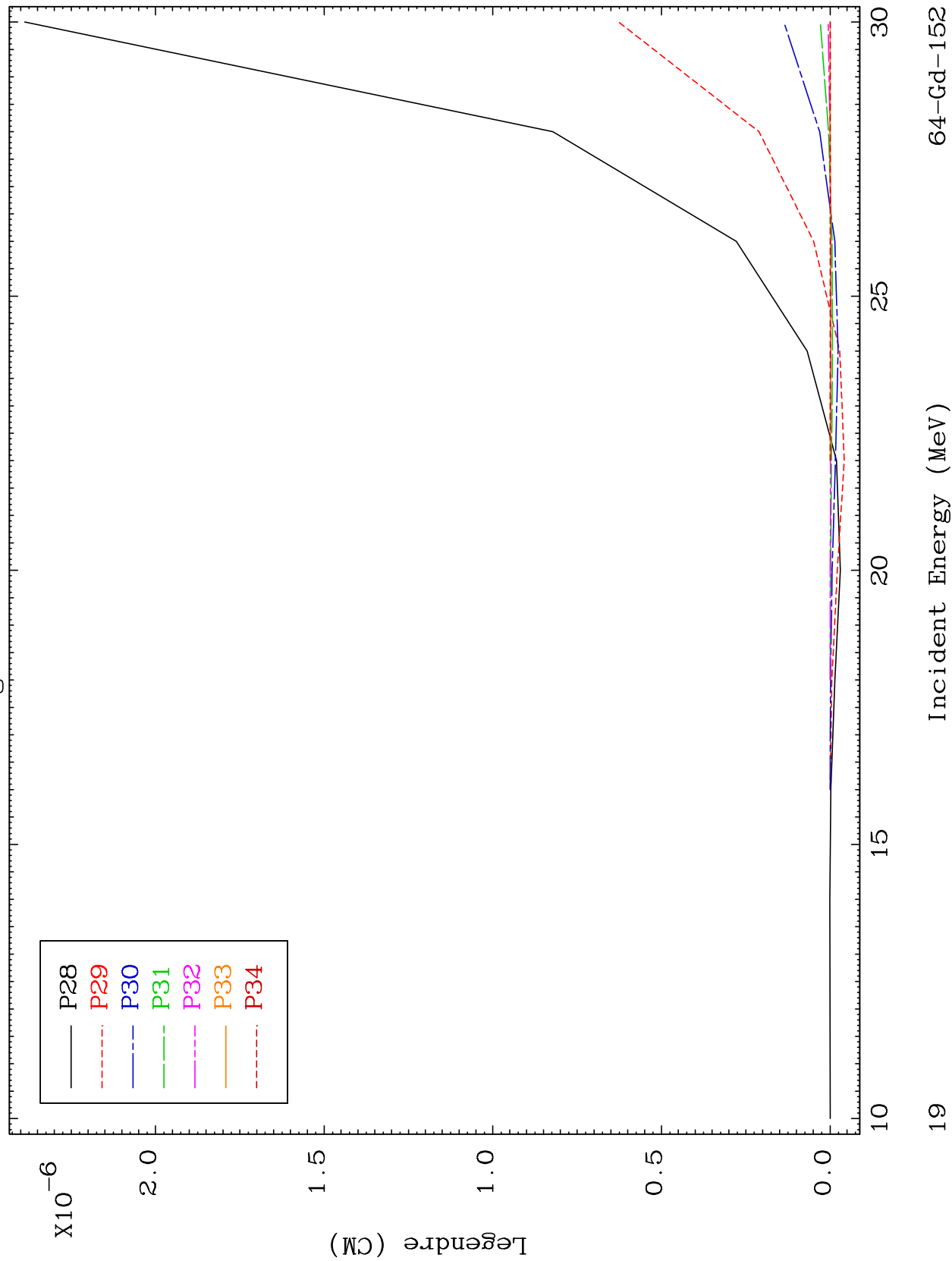
Incident Energy (MeV)

64-Gd-152

MAT 6425

Elastic Legendre Coefficients

64-Gd-152



19

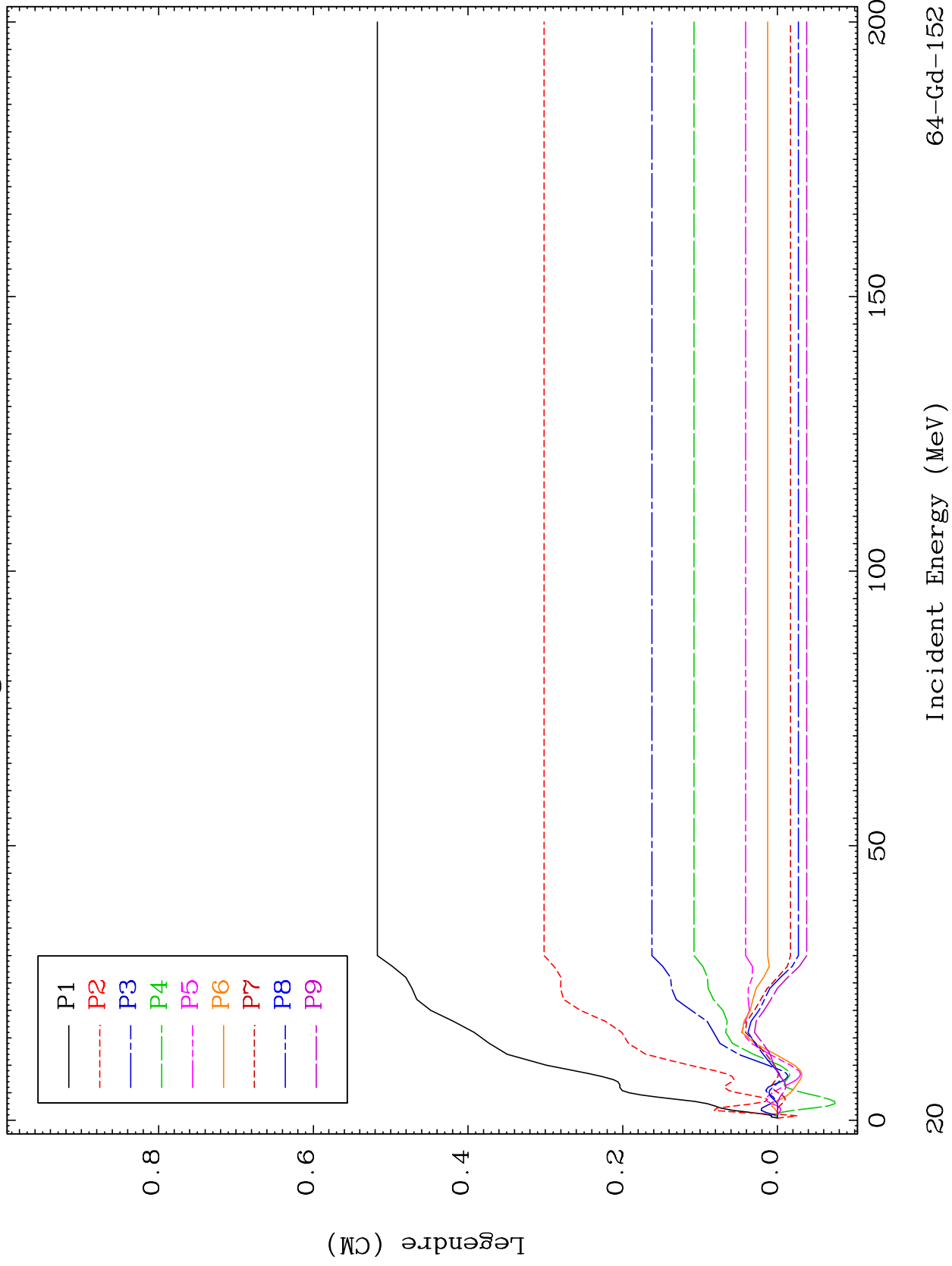
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

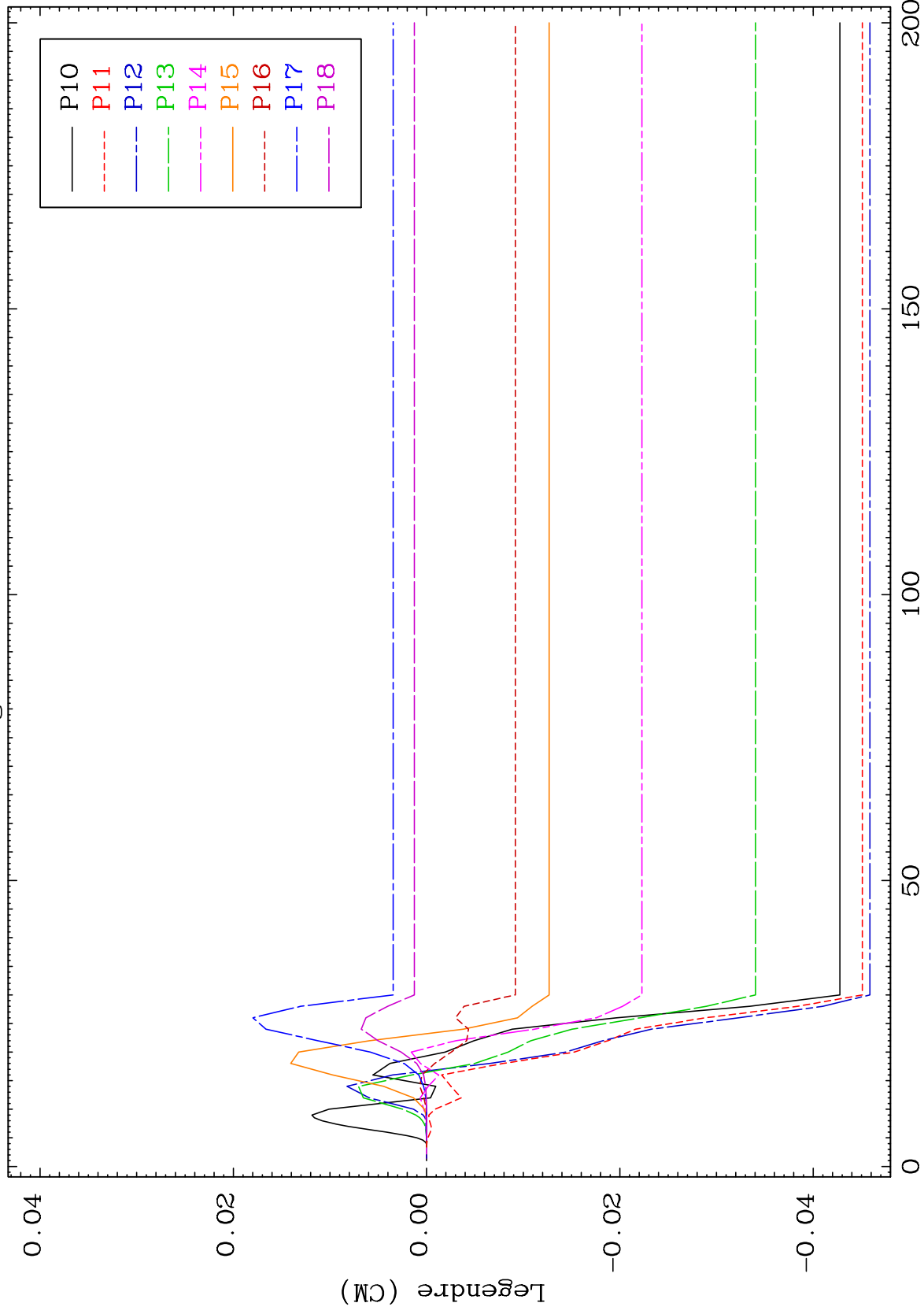
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MAT 6425

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

64-Gd-152



21

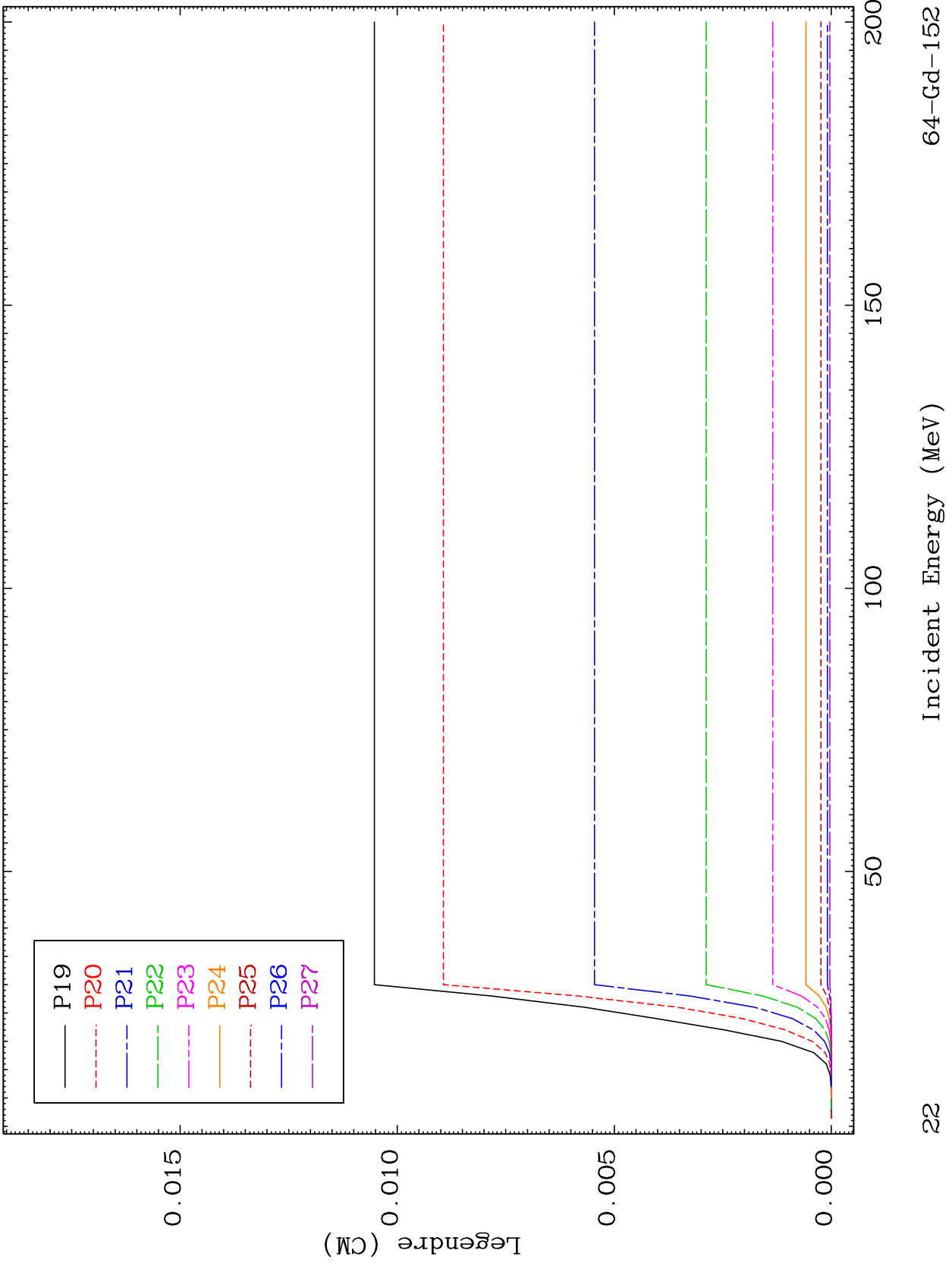
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



22

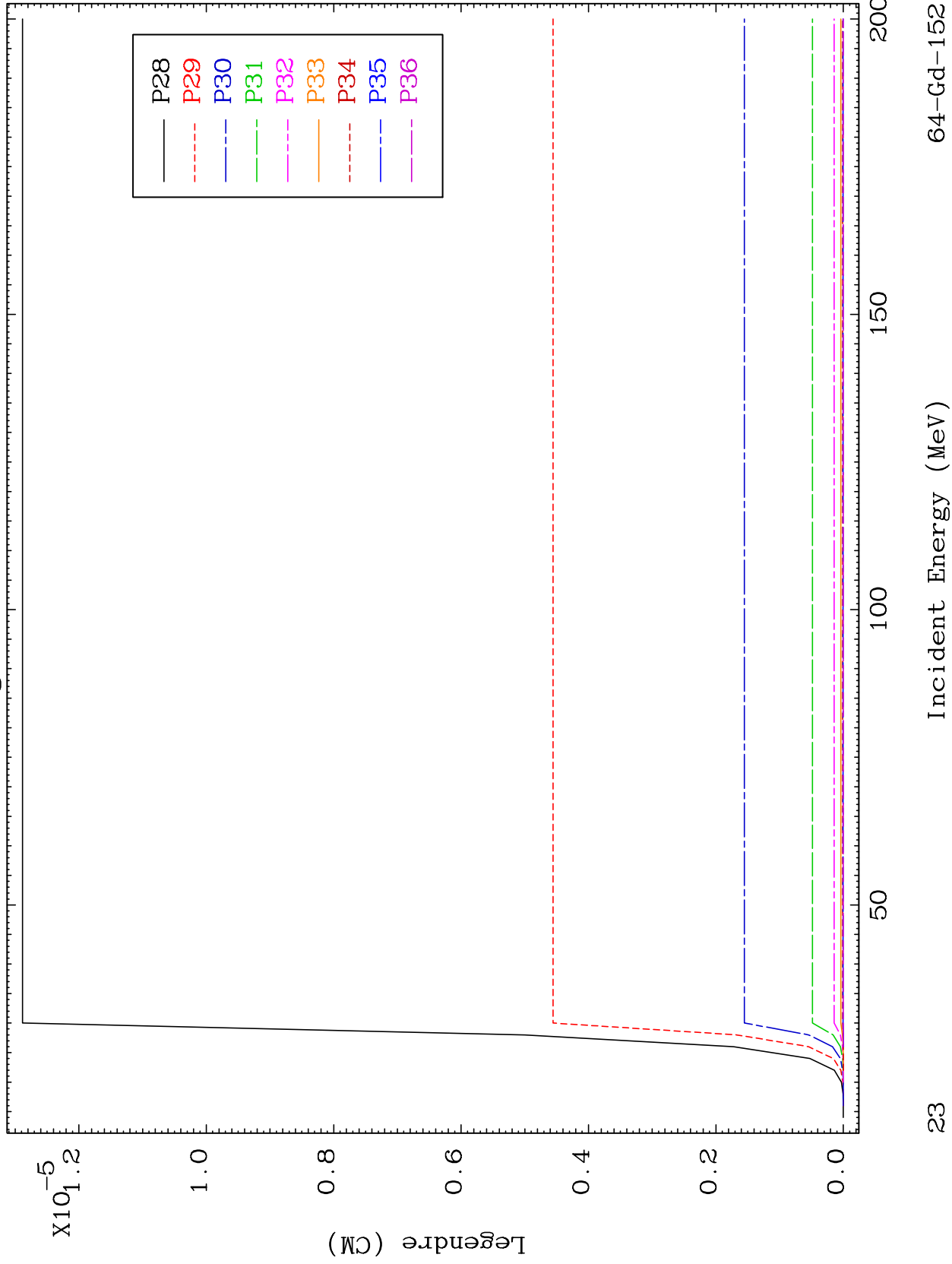
Incident Energy (MeV)

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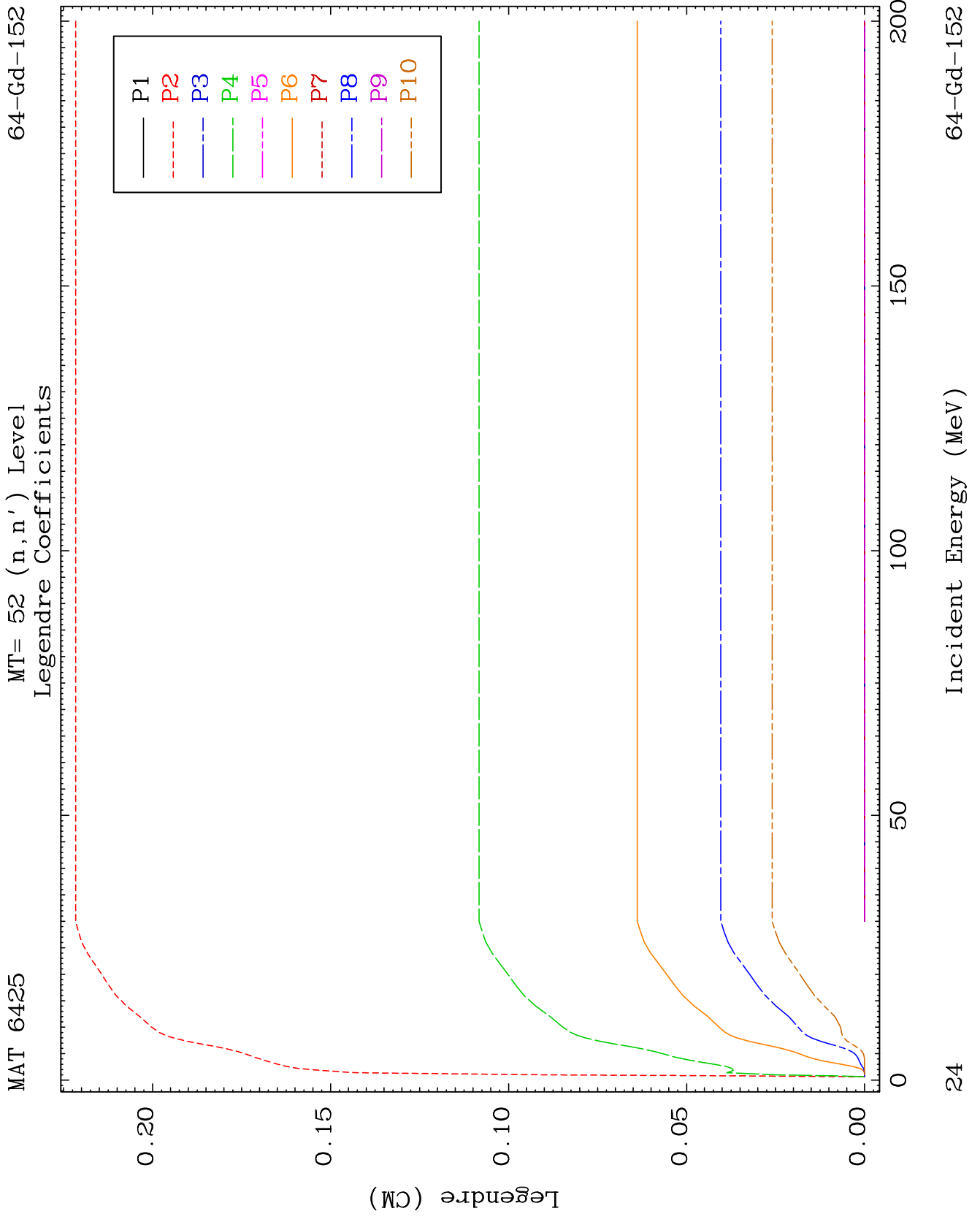
MAT 6425

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

64-Gd-152



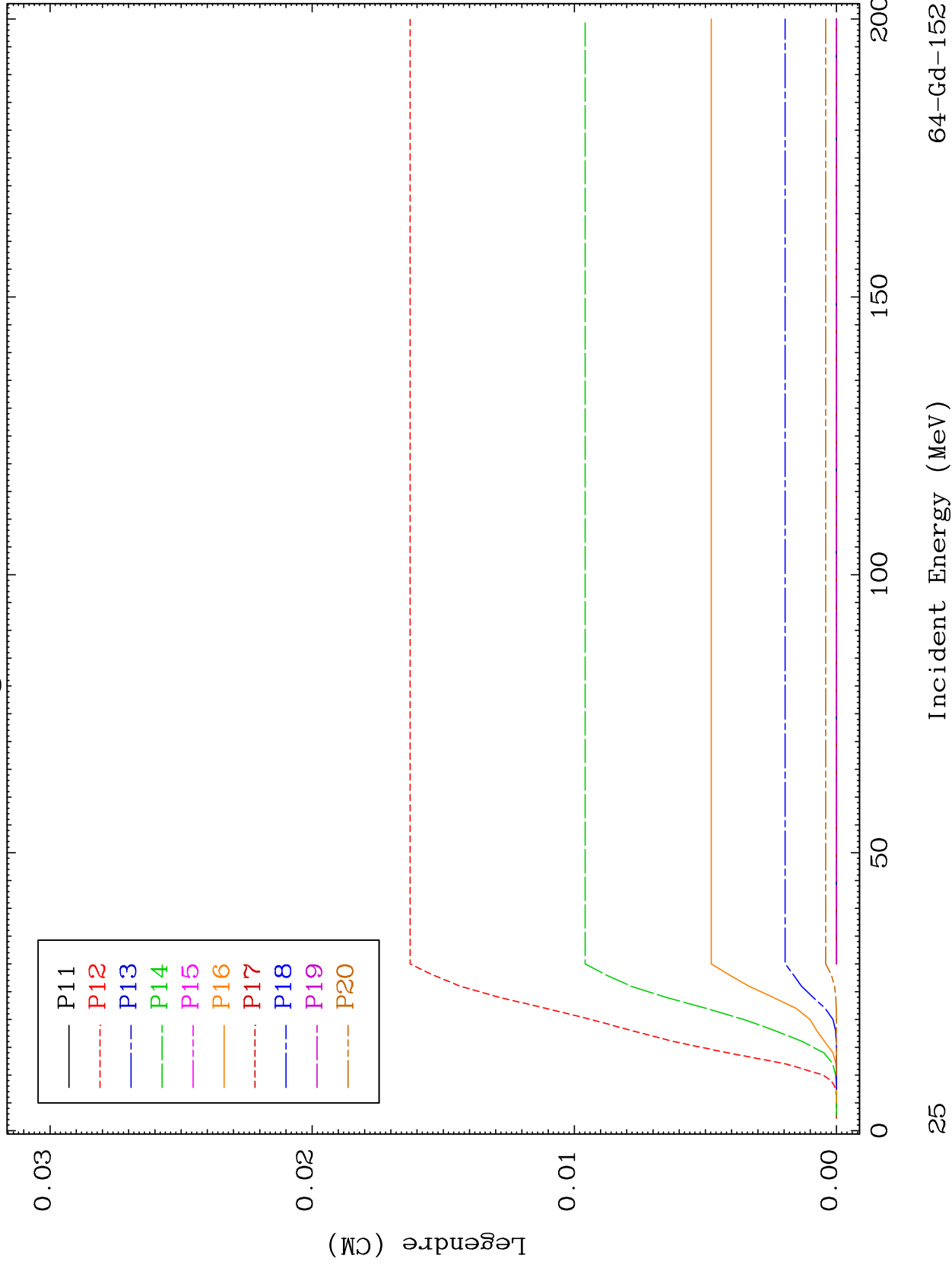


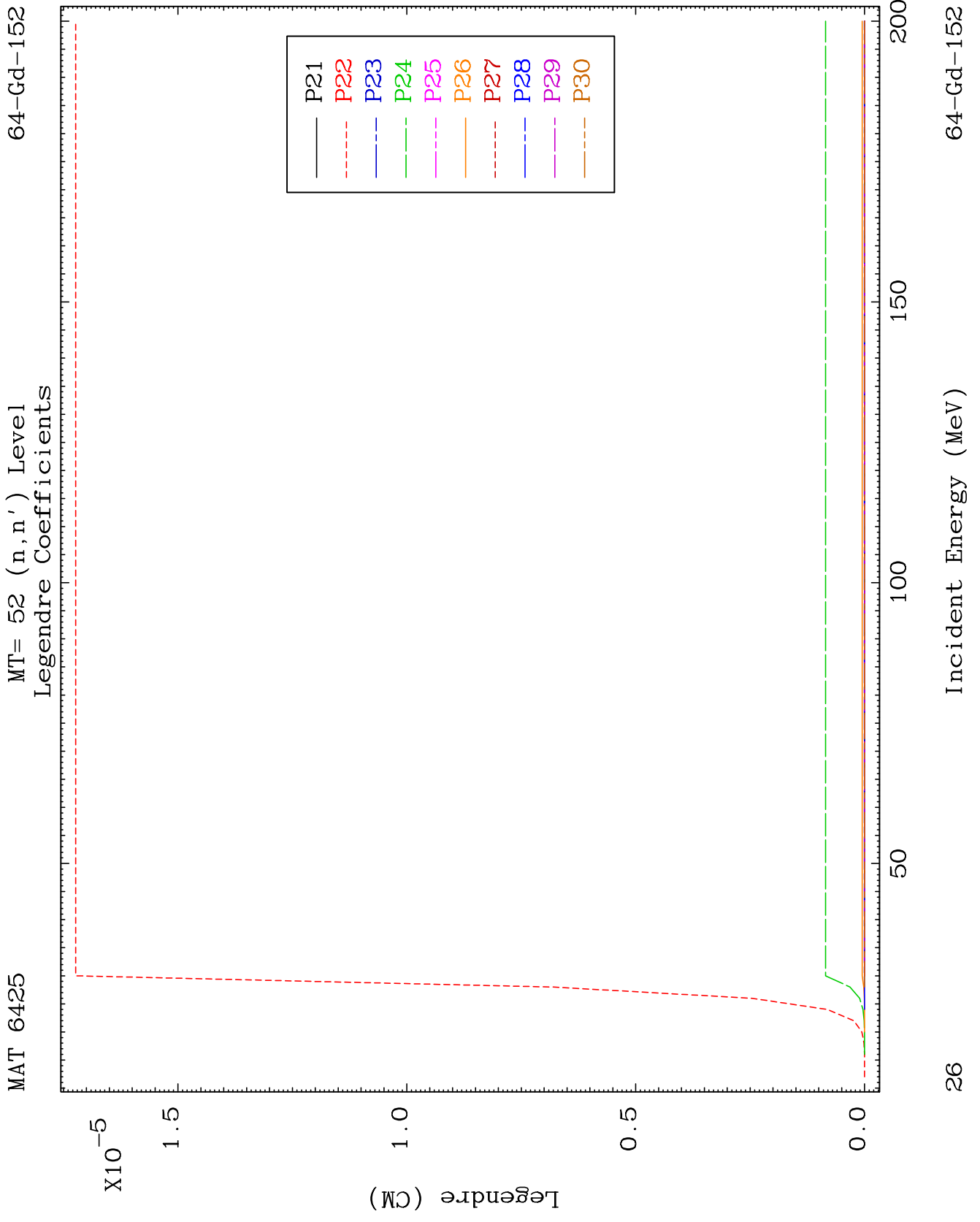


MAT 6425

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

64-Gd-152

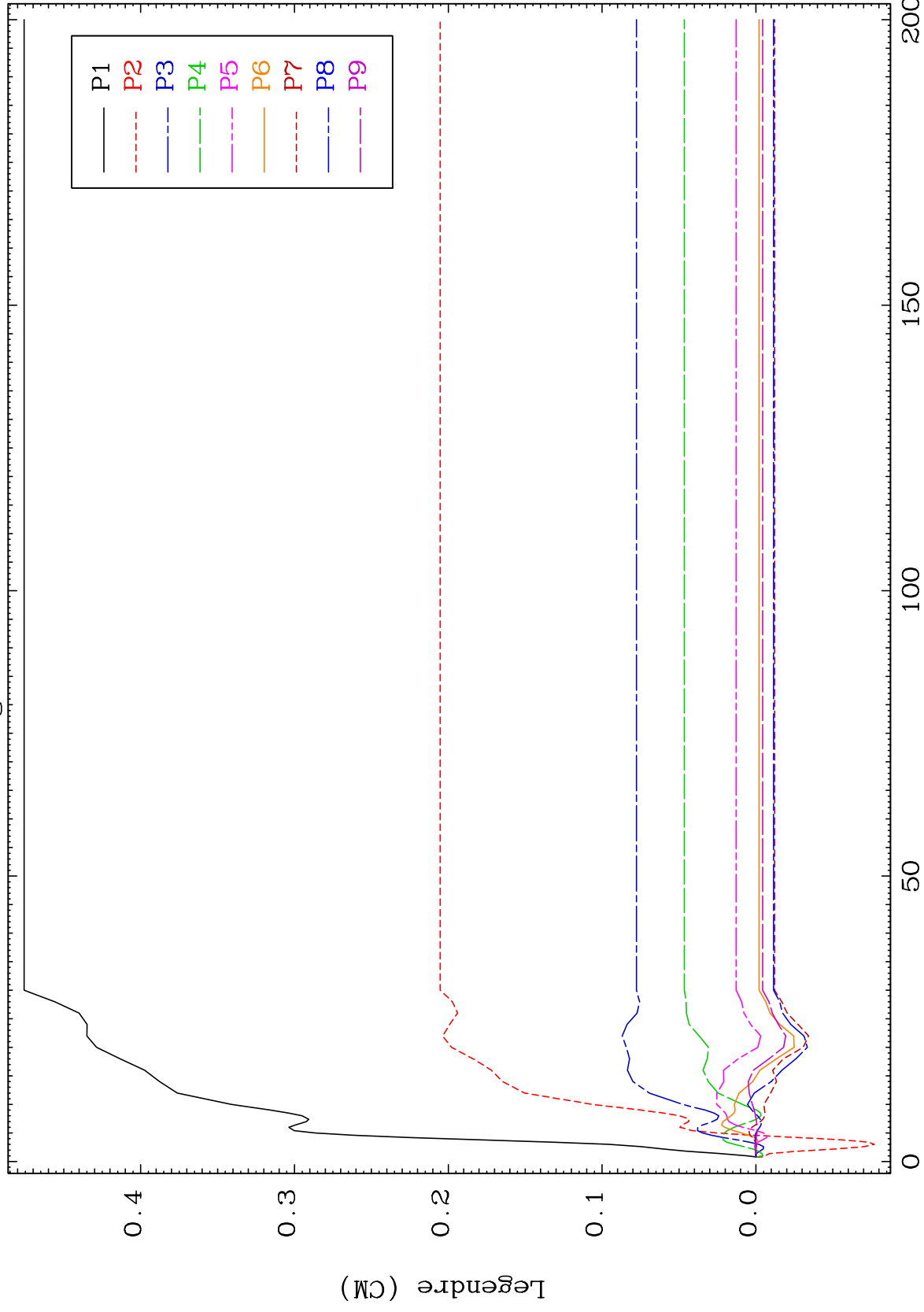




MAT 6425

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

64-Gd-152



27

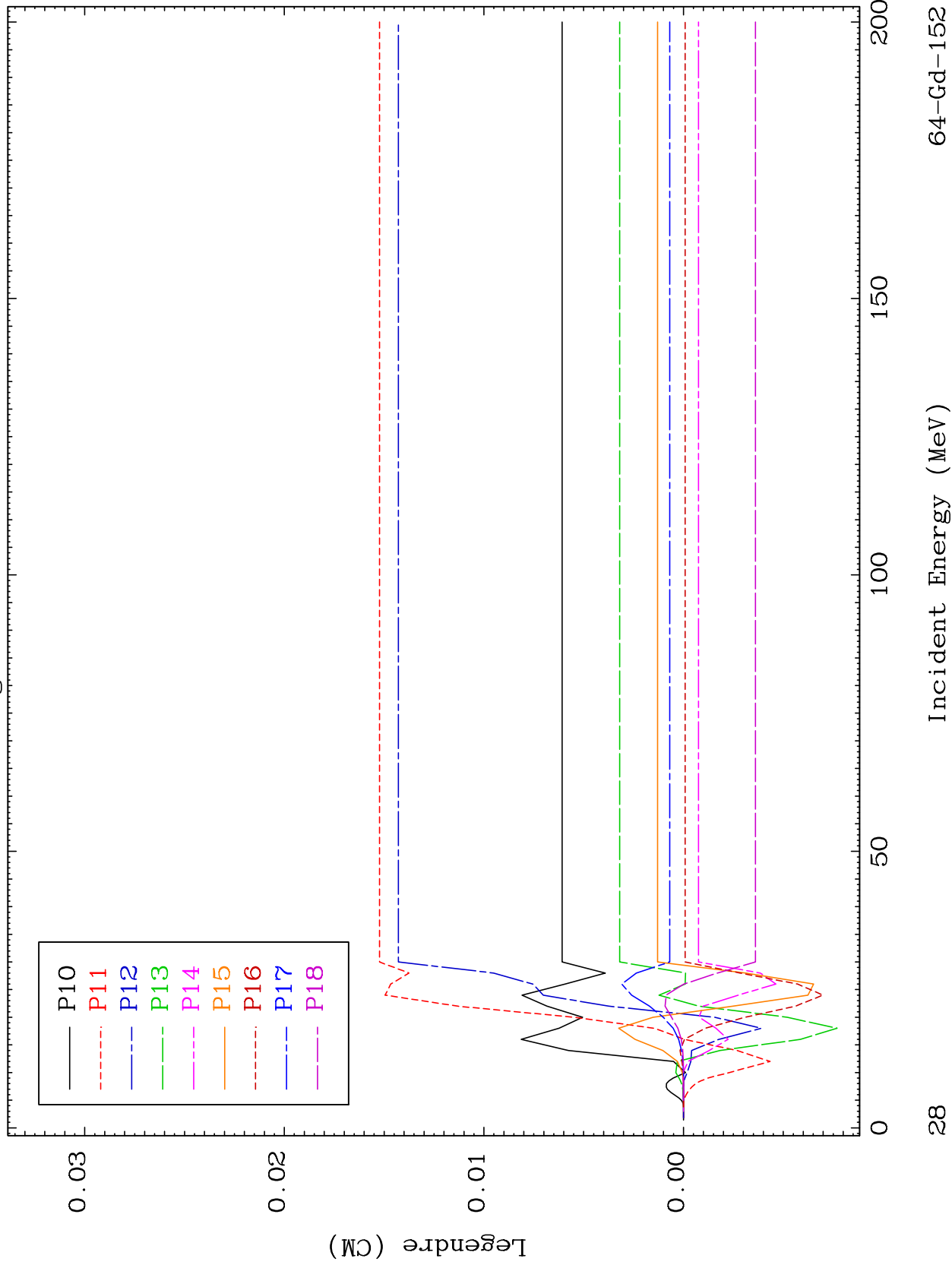
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



64-Gd-152

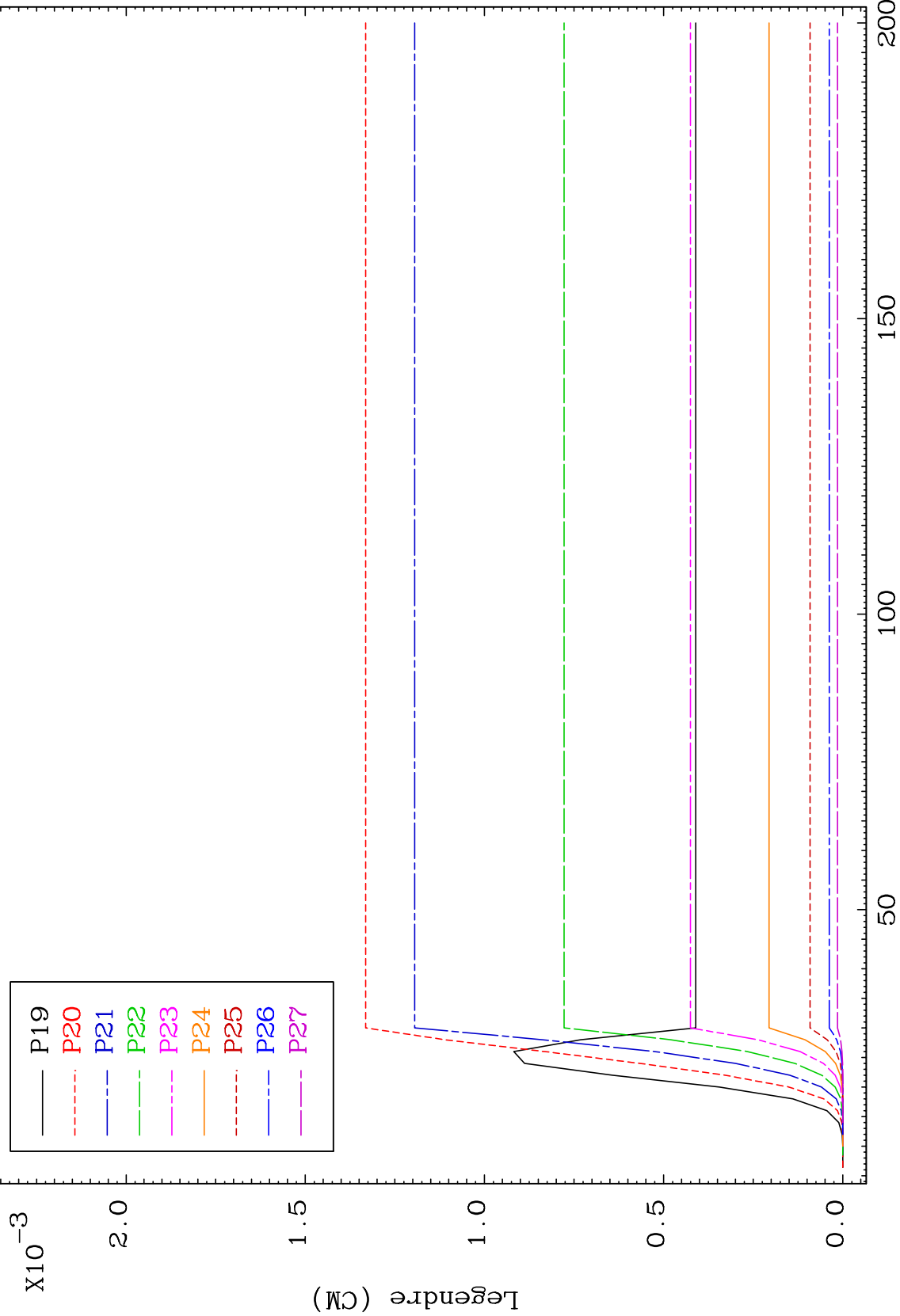
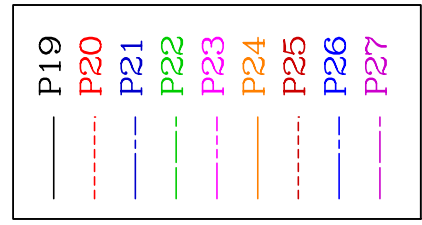
Incident Energy (MeV)

28

MAT 6425

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

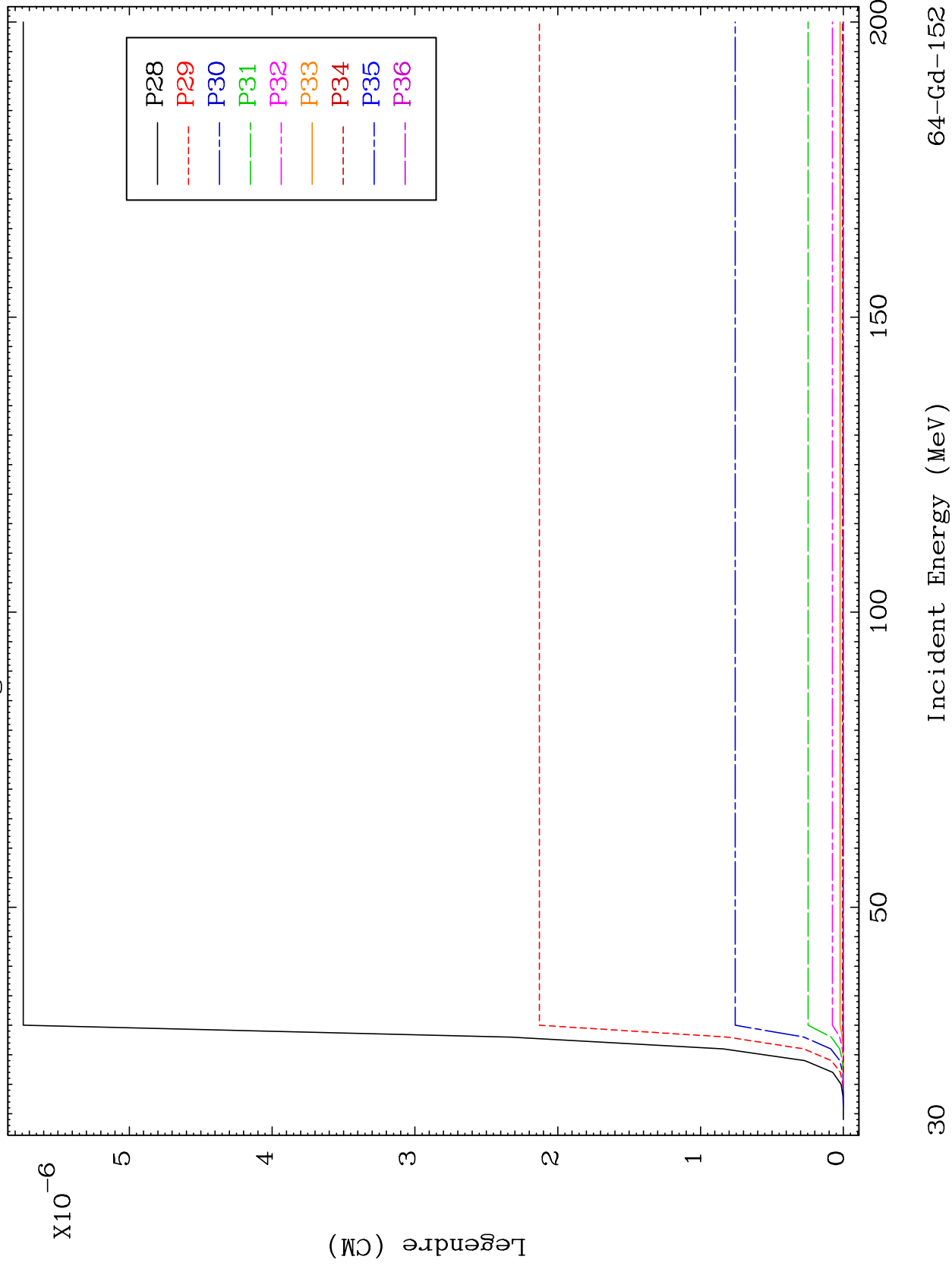
64-Gd-152



MAT 6425

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

64-Gd-152

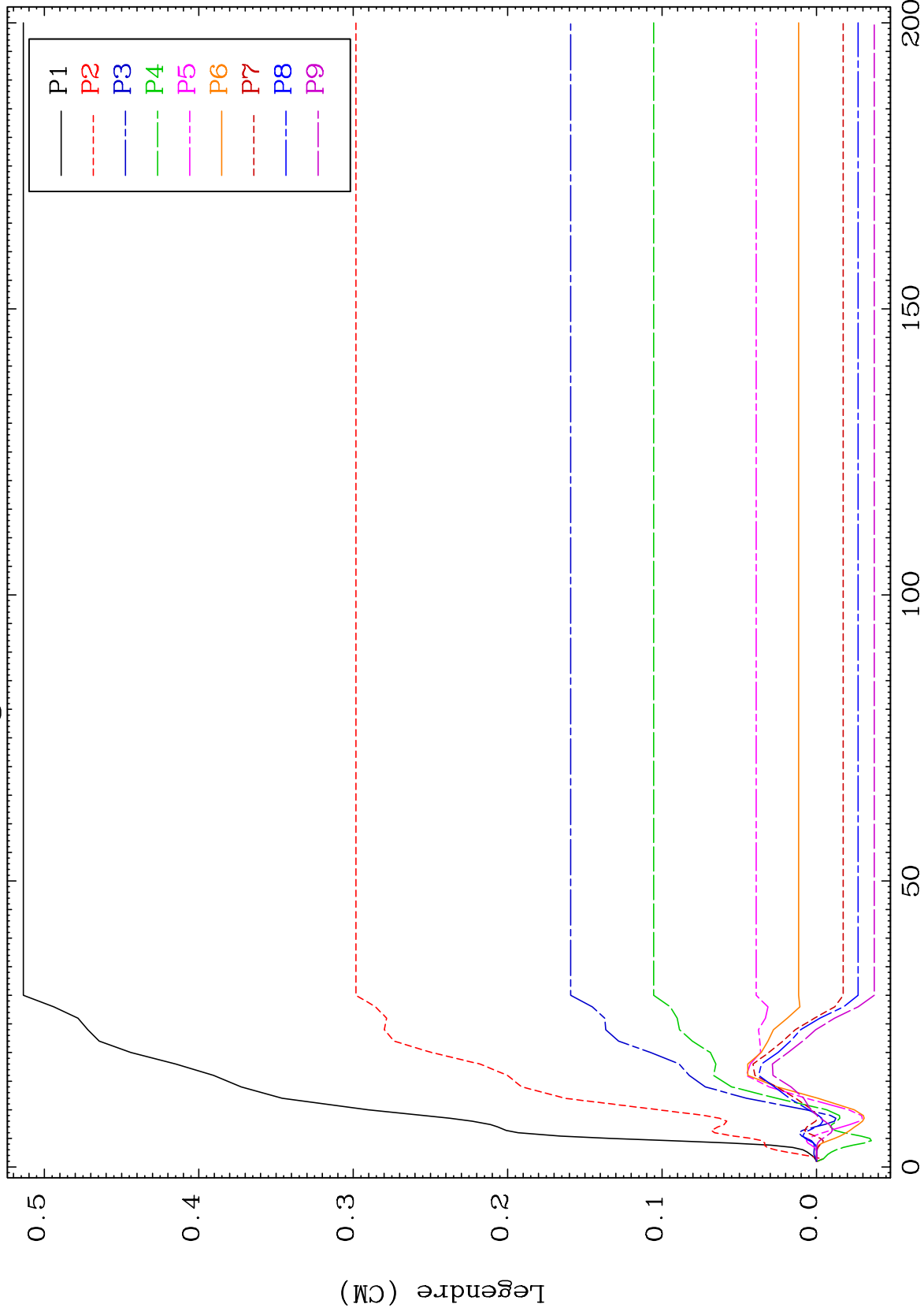


64-Gd-152

MAT 6425

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

64-Gd-152



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Incident Energy (MeV)

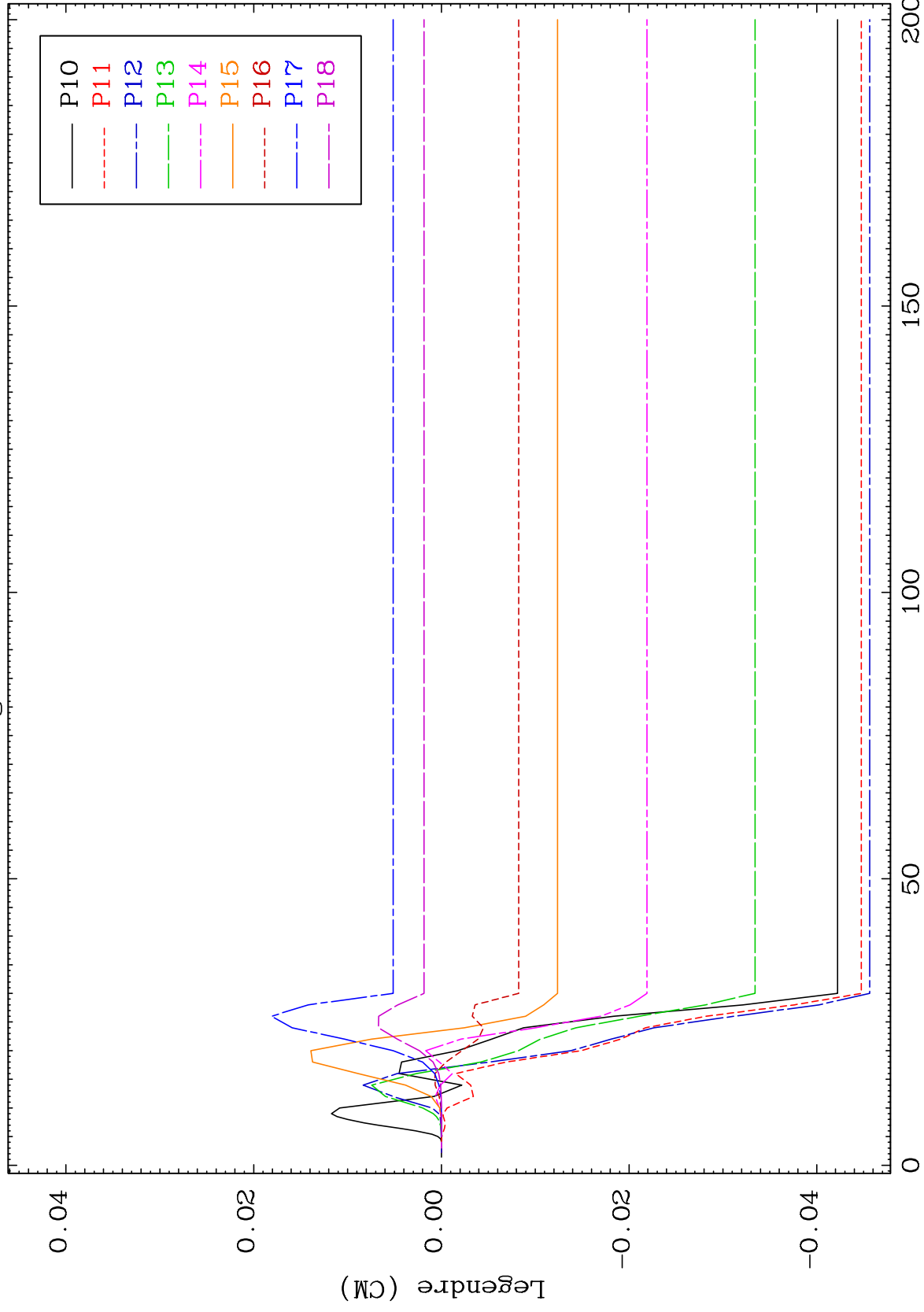
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MAT 6425

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

64-Gd-152



32

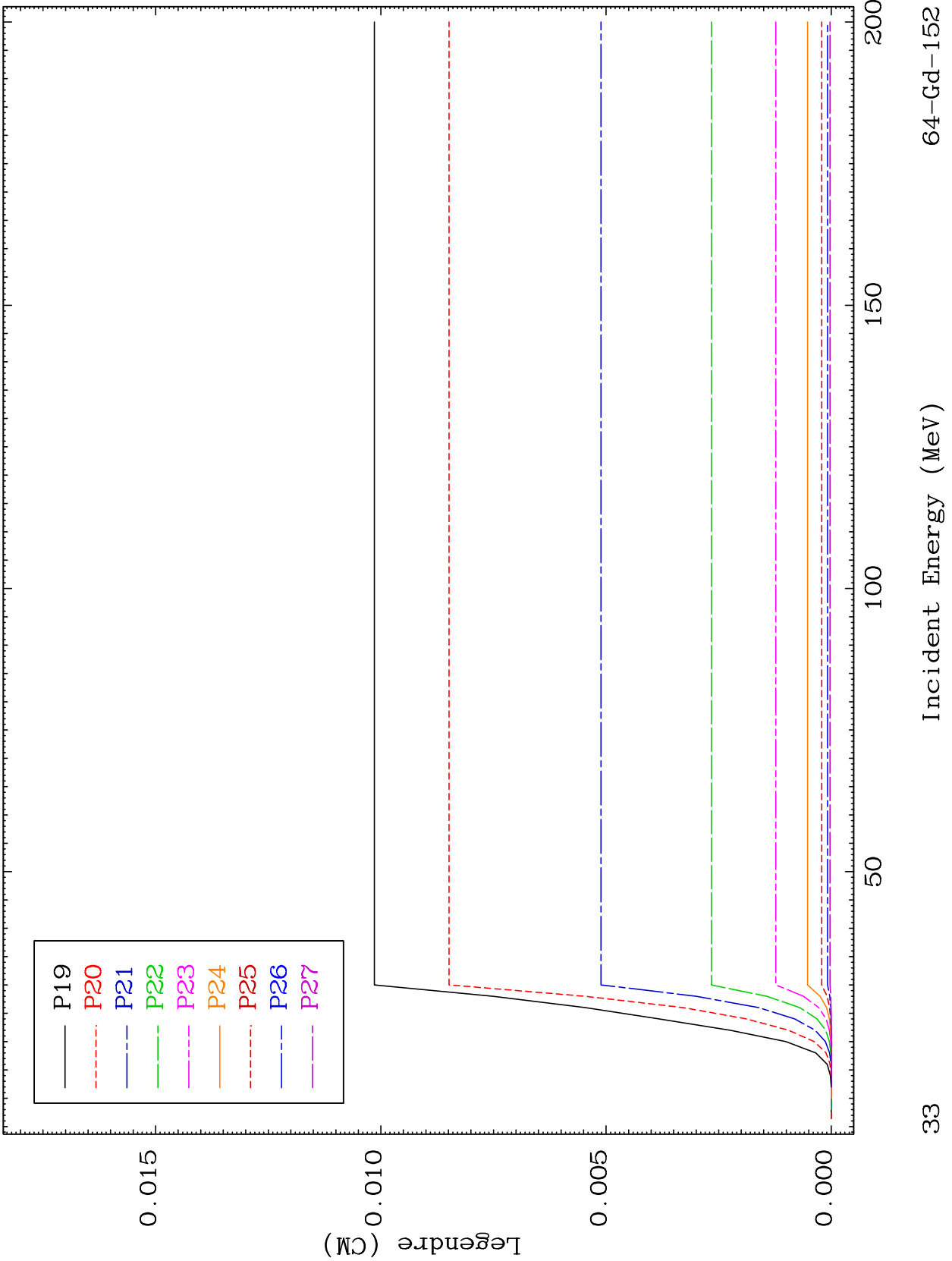
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

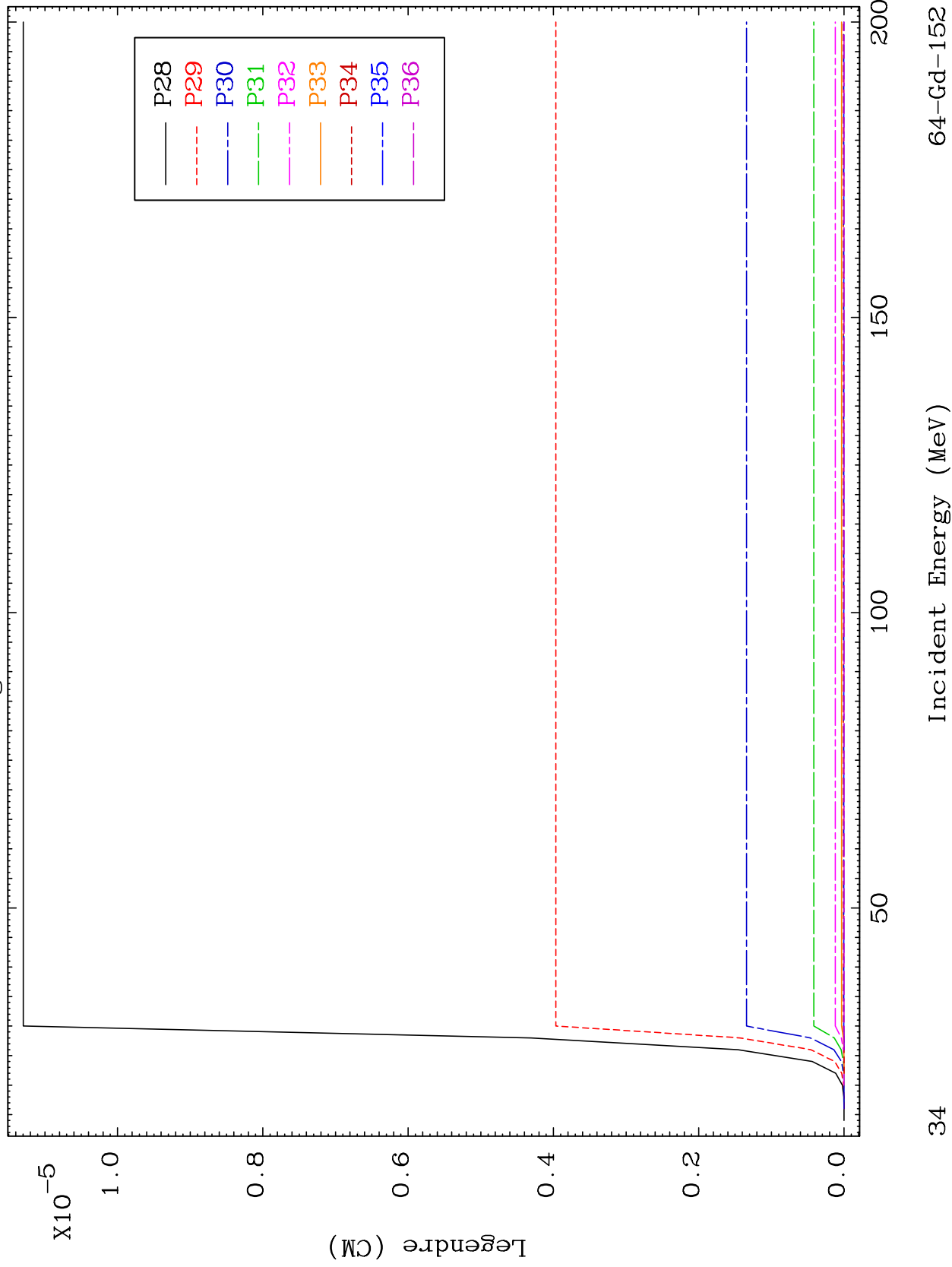
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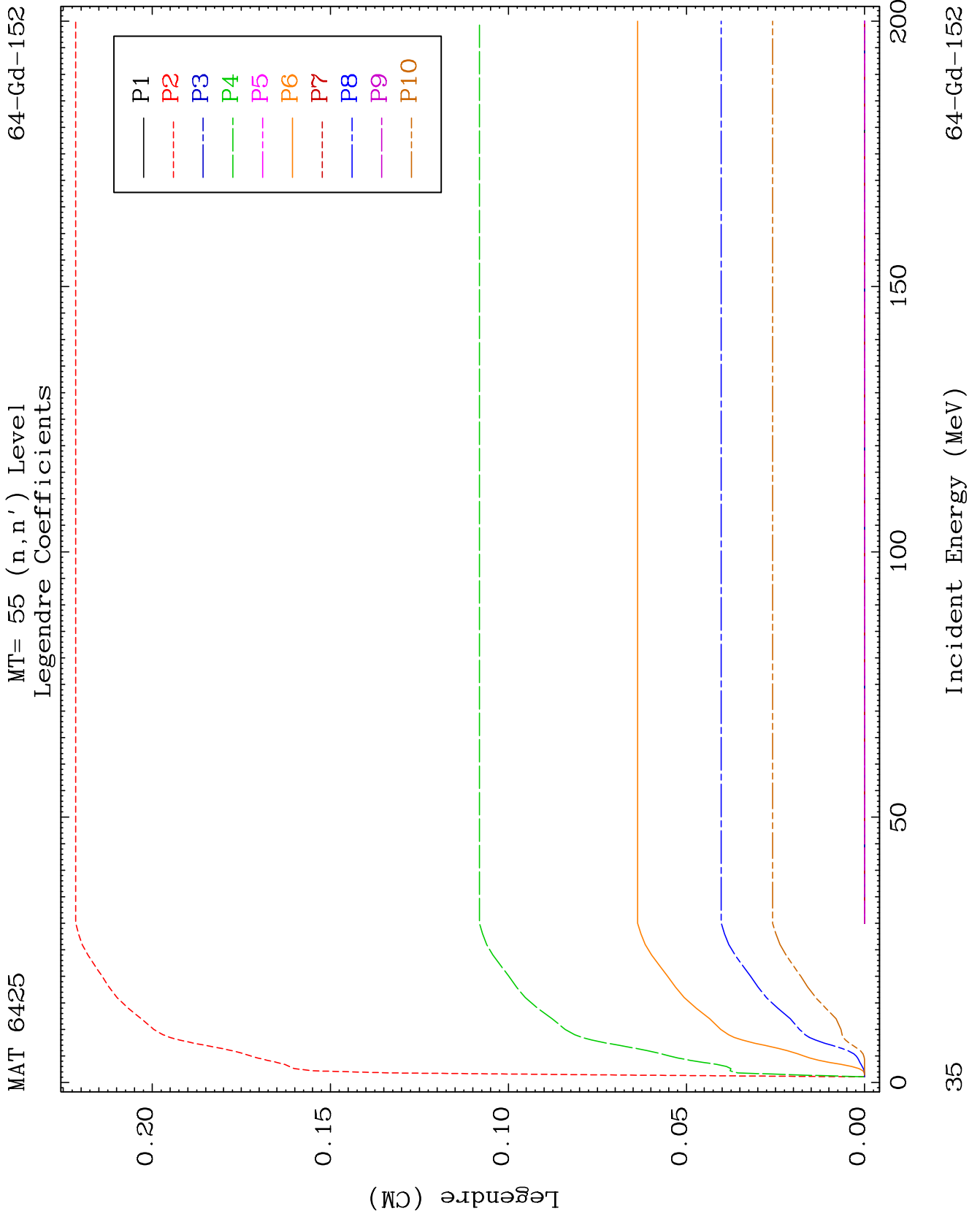
MAT 6425

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

64-Gd-152



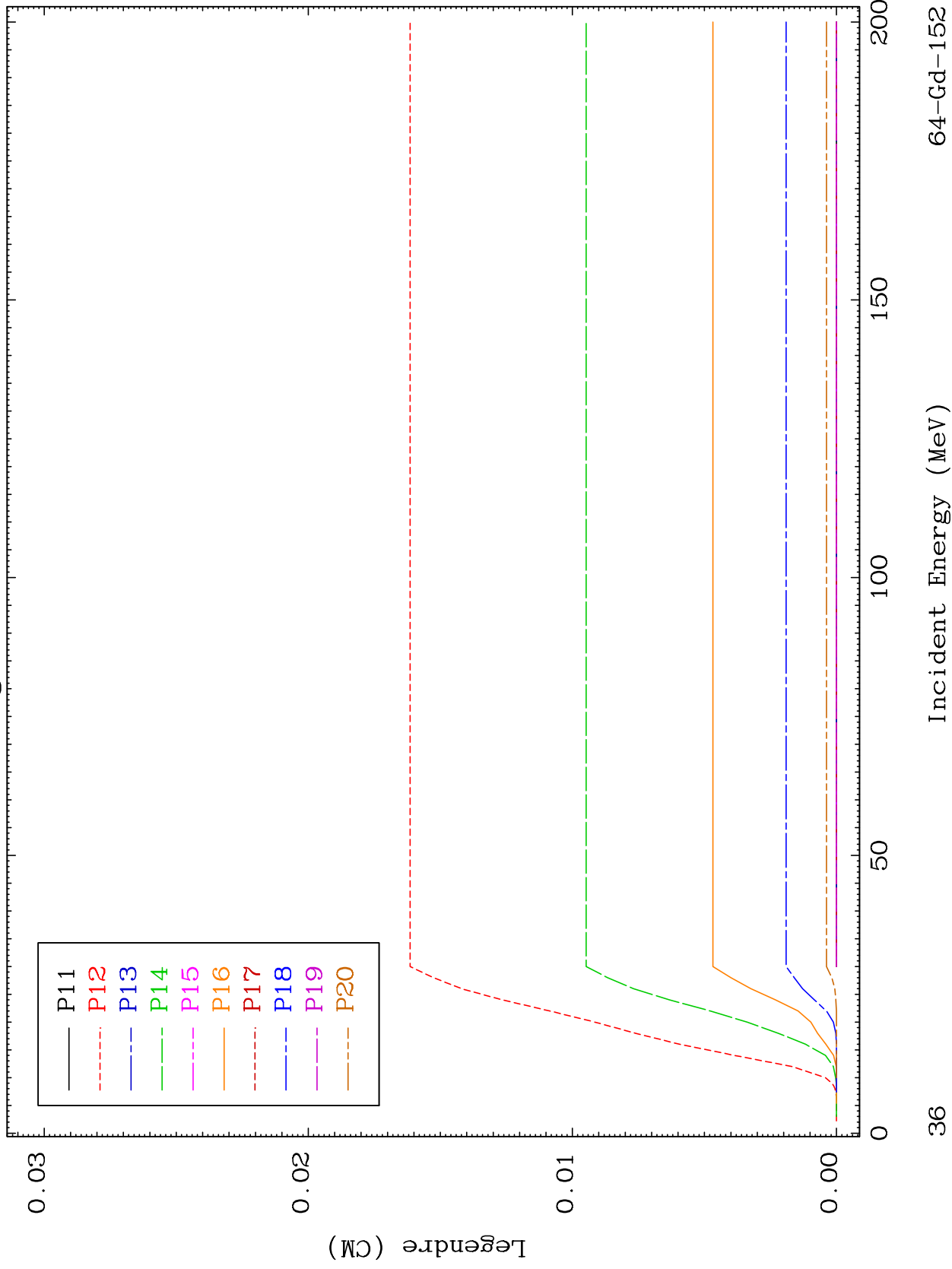
34



MAT 6425

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

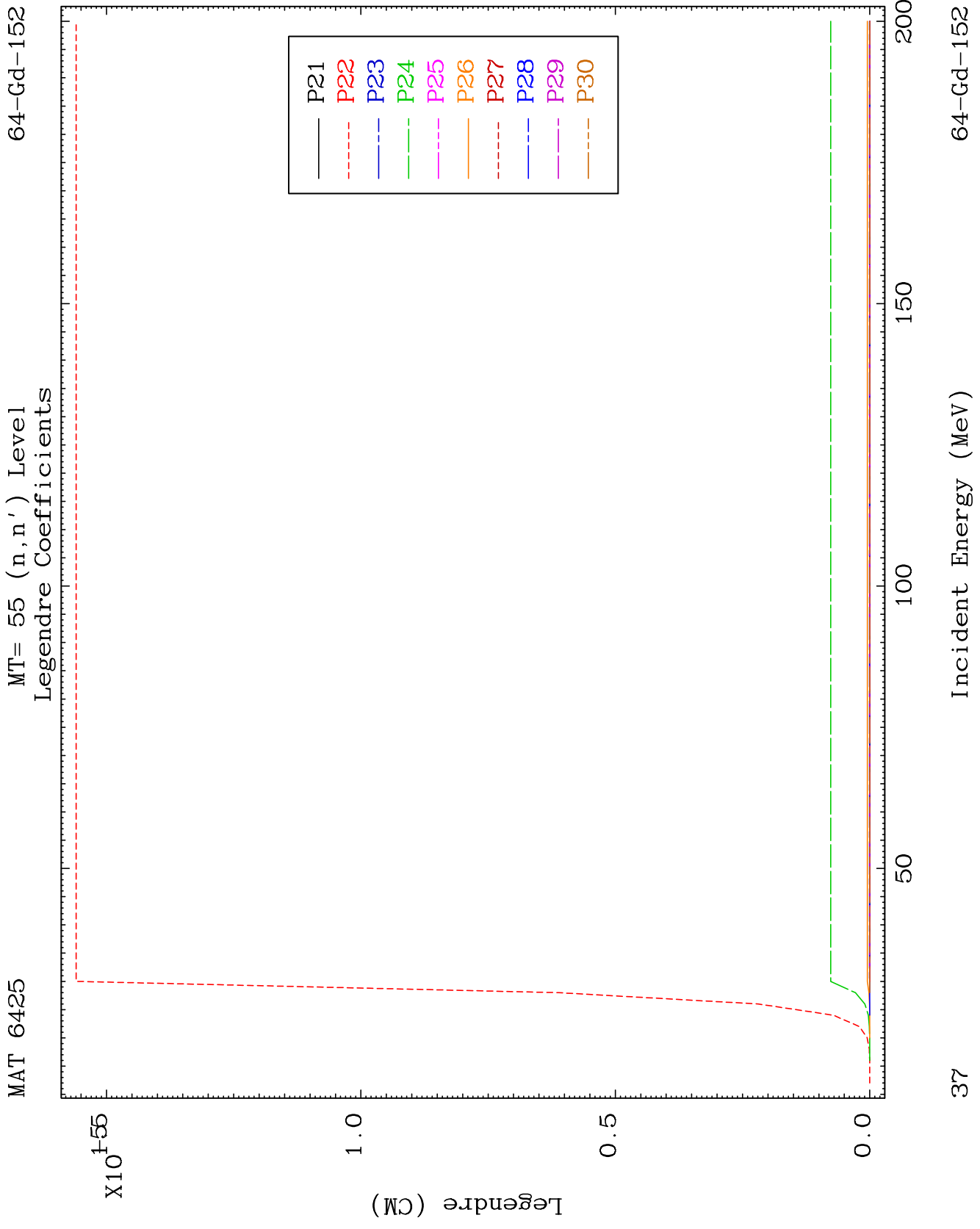
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36

Incident Energy (MeV)

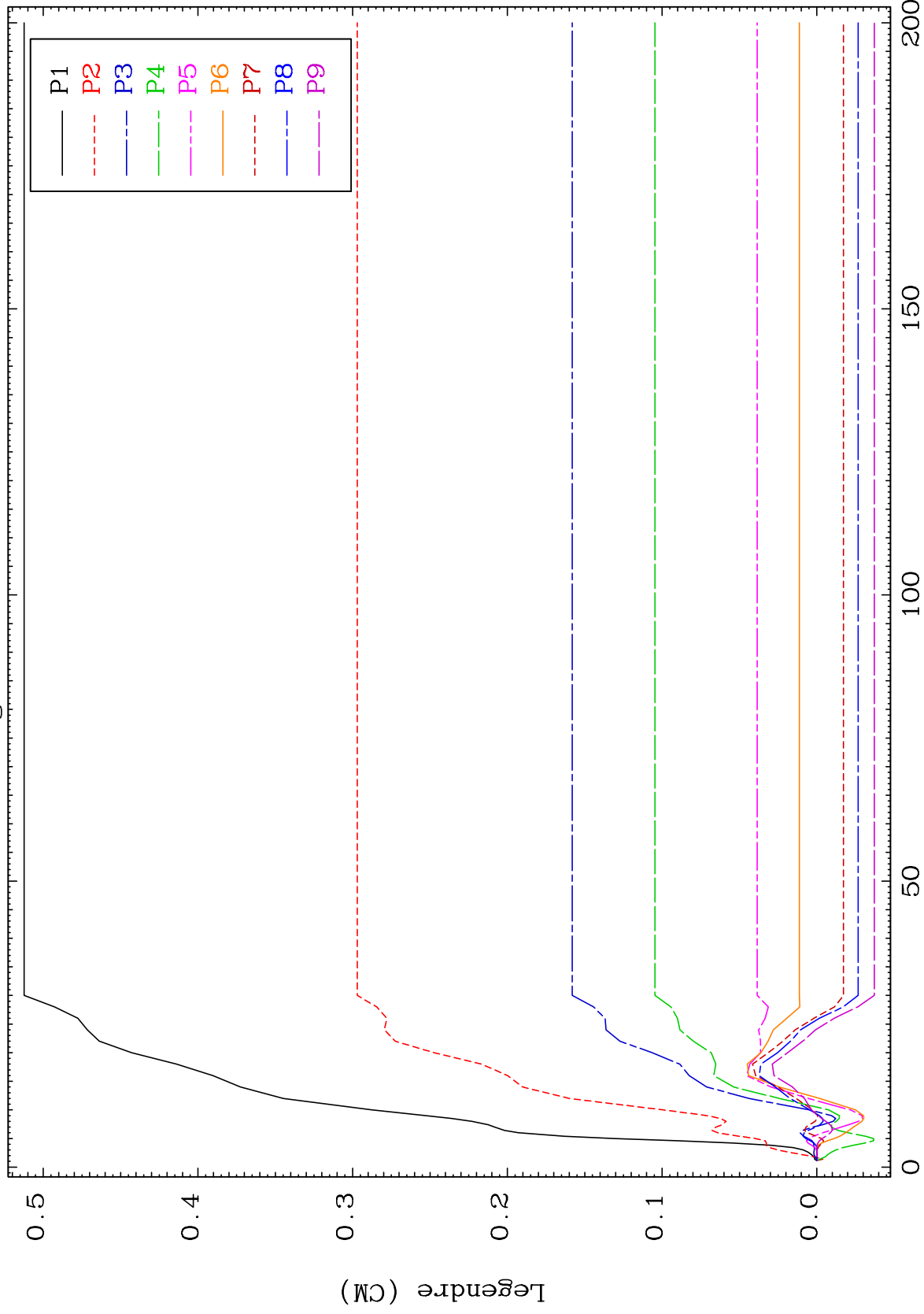
64-Gd-152



MAT 6425

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

64-Gd-152



38

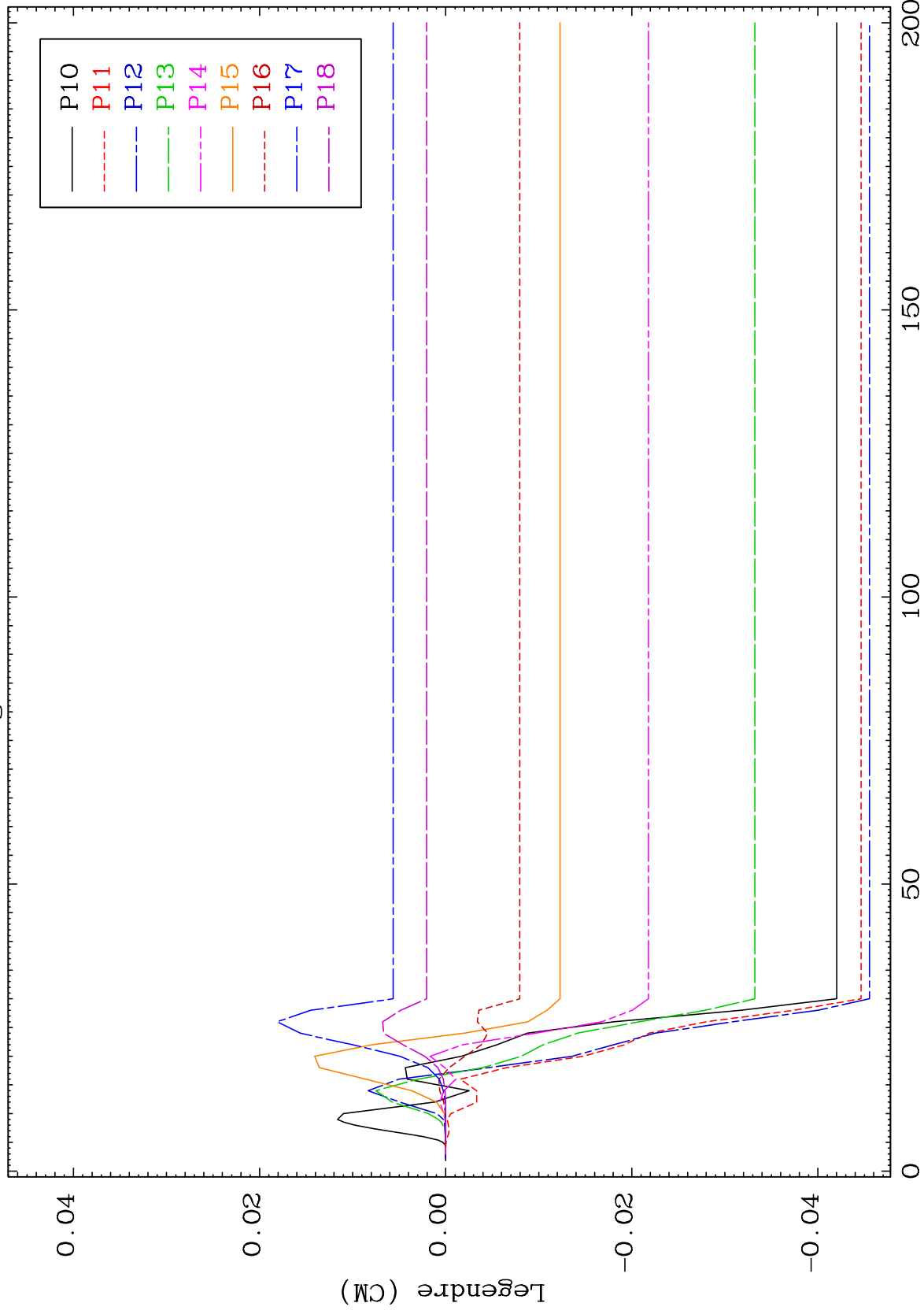
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



39

Incident Energy (MeV)

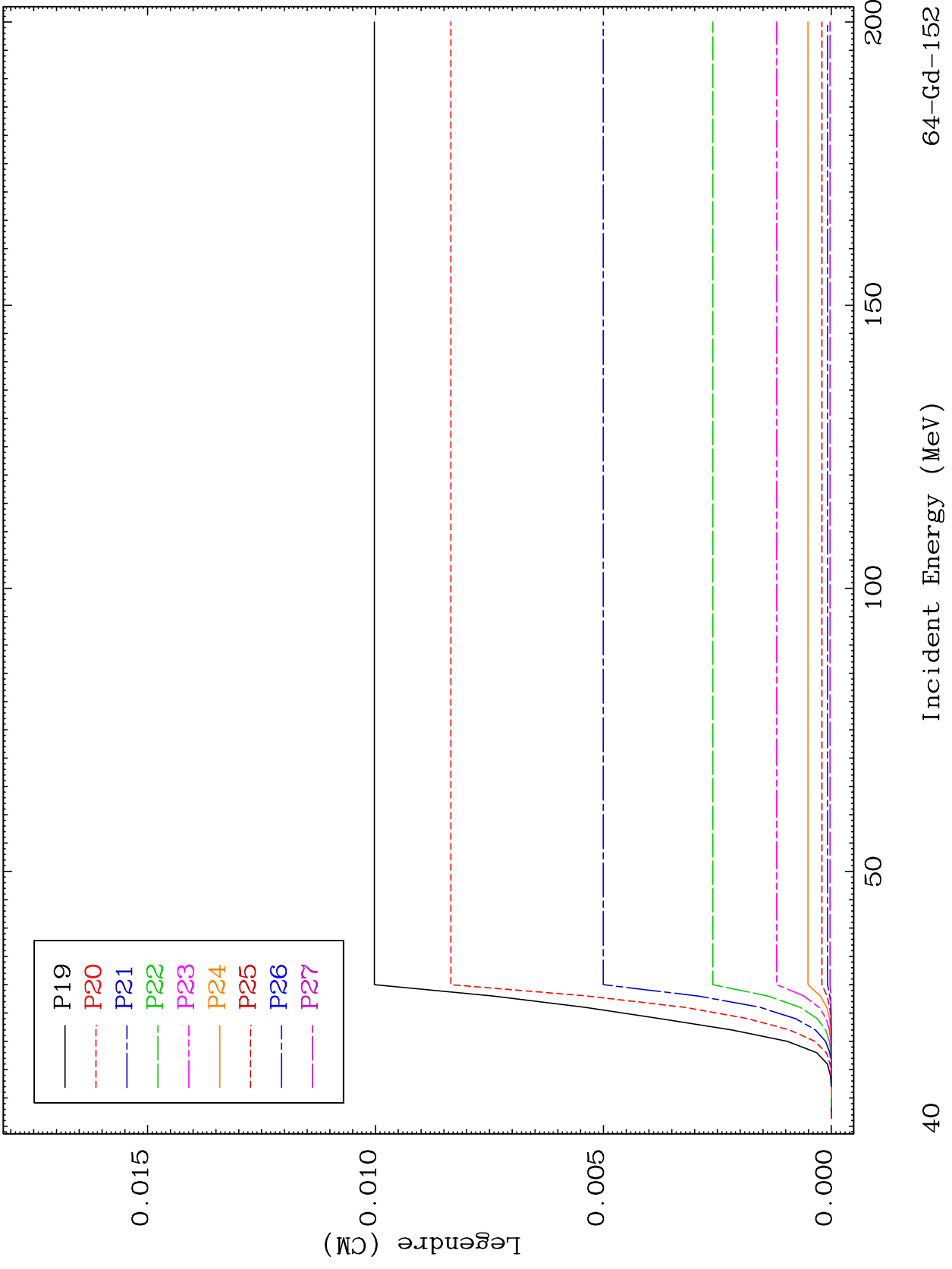
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MAT 6425

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

64-Gd-152



64-Gd-152

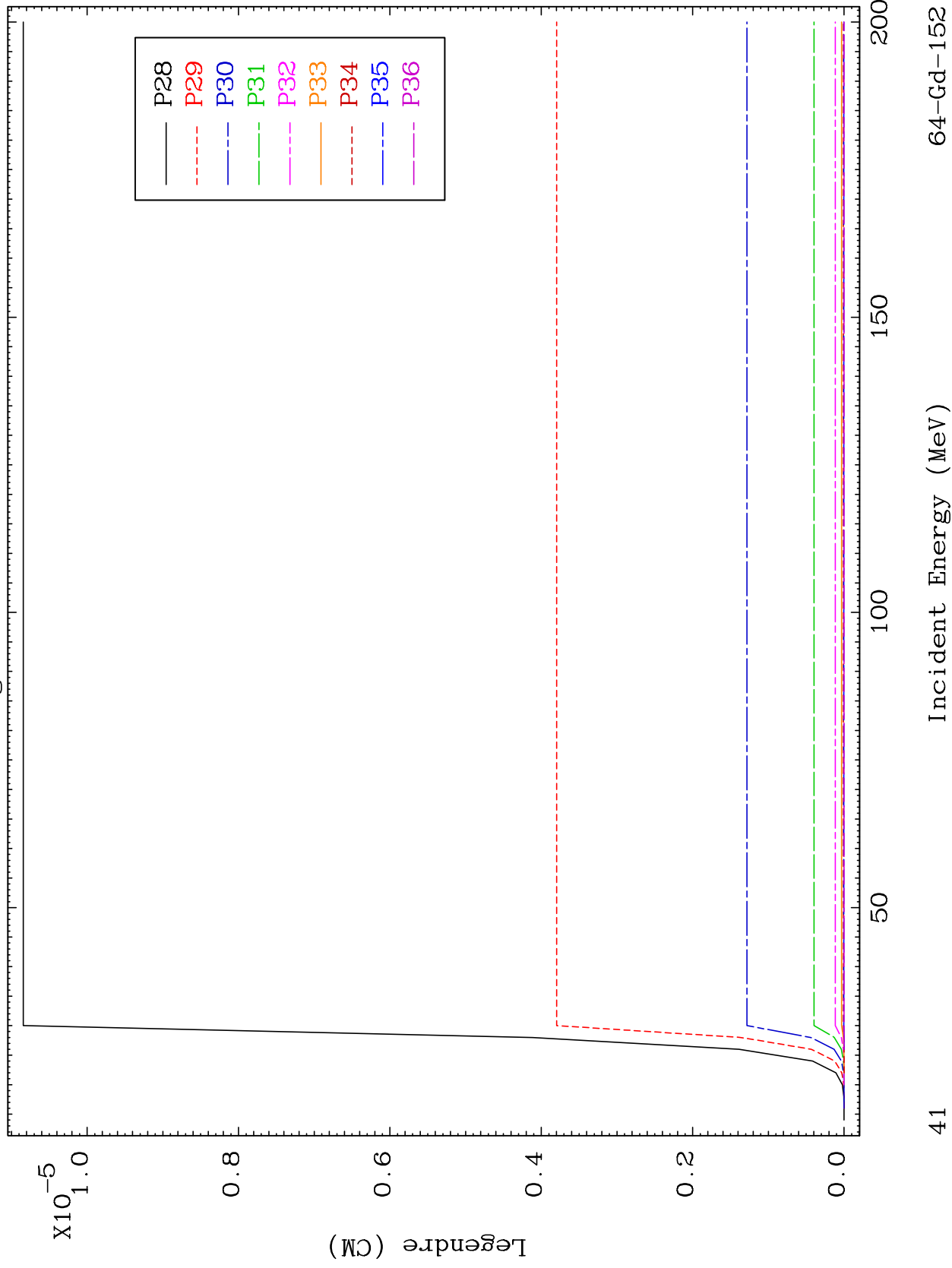
Incident Energy (MeV)

40

MAT 6425

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

64-Gd-152



41

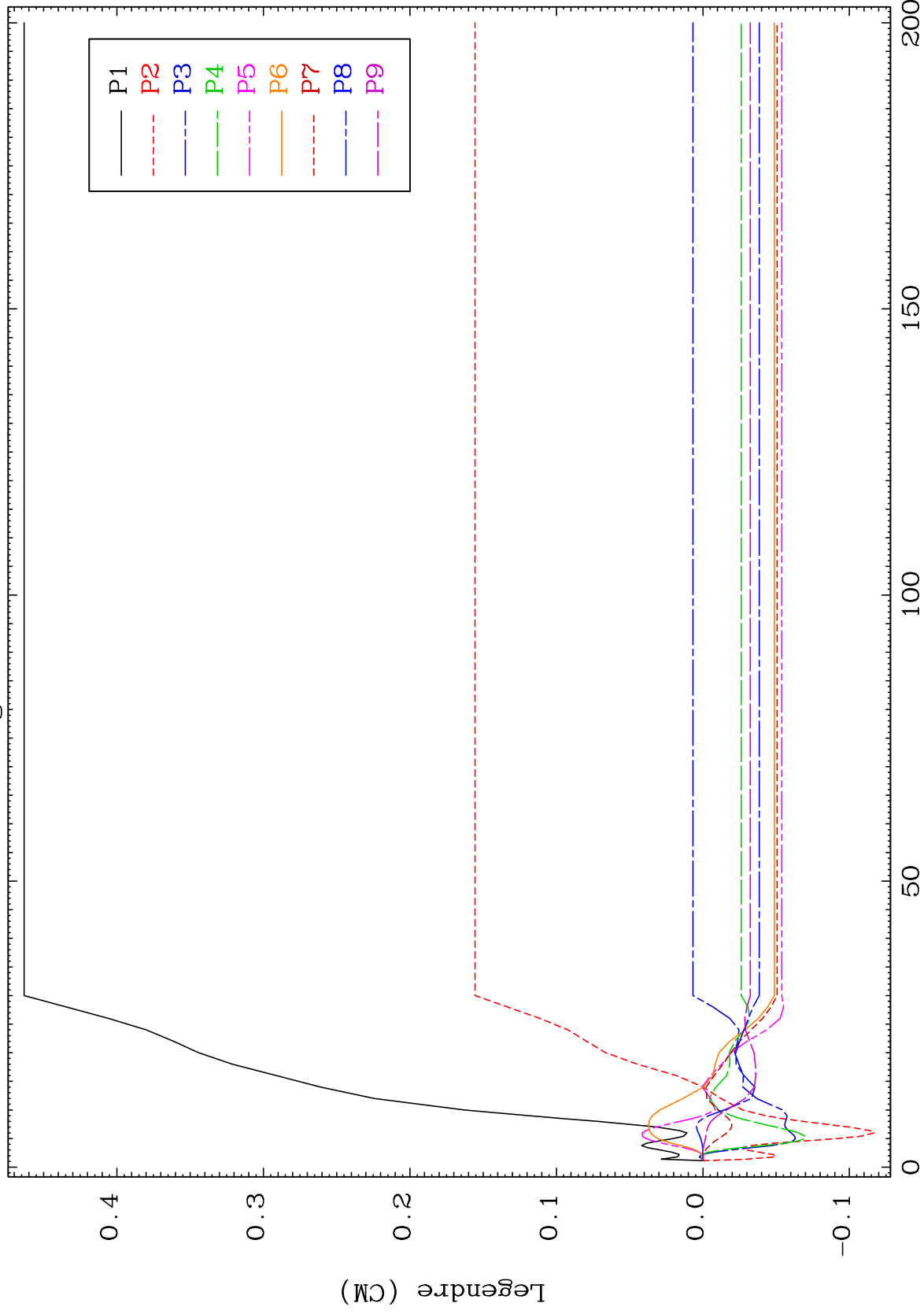
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



42

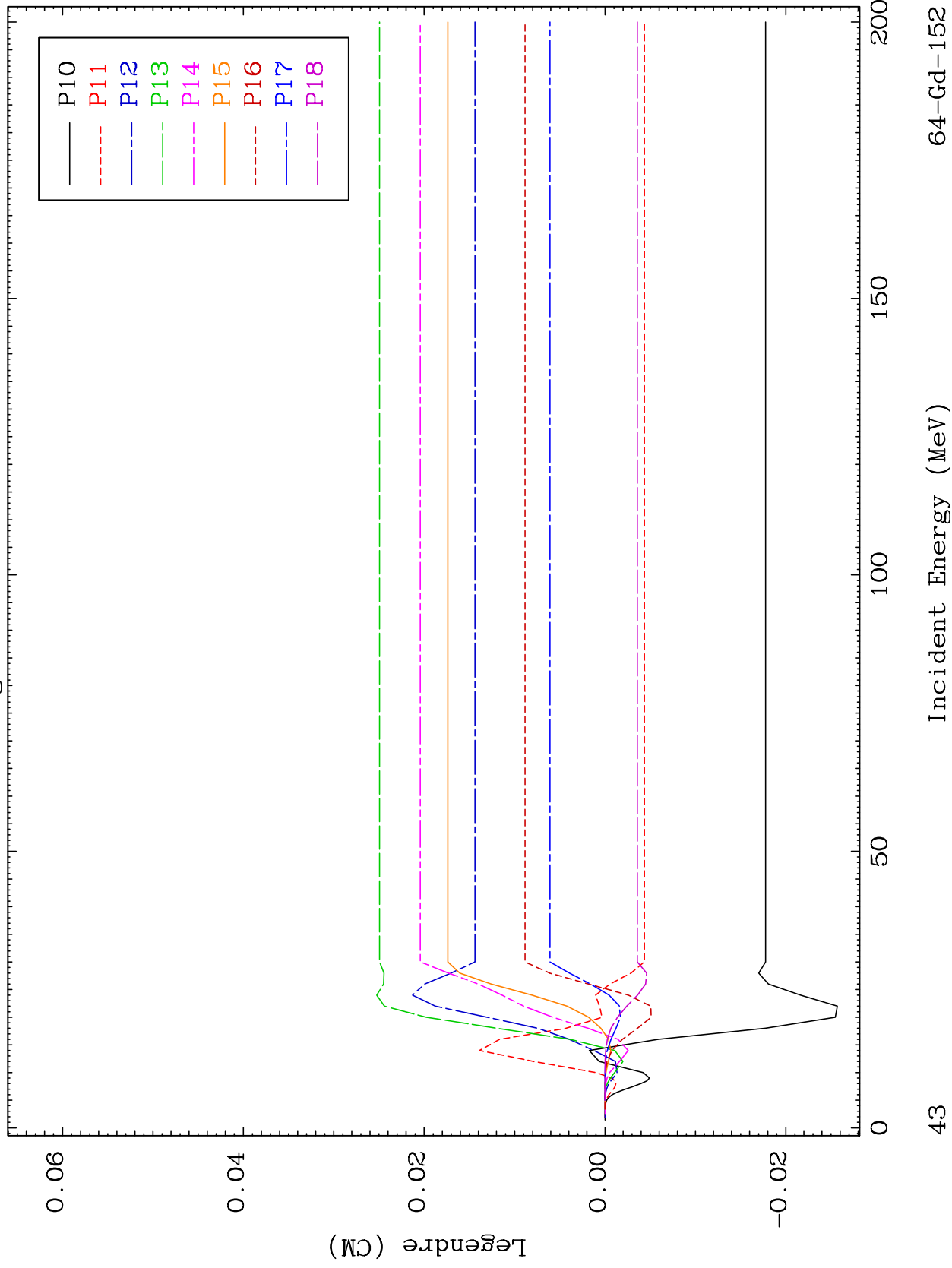
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



64-Gd-152

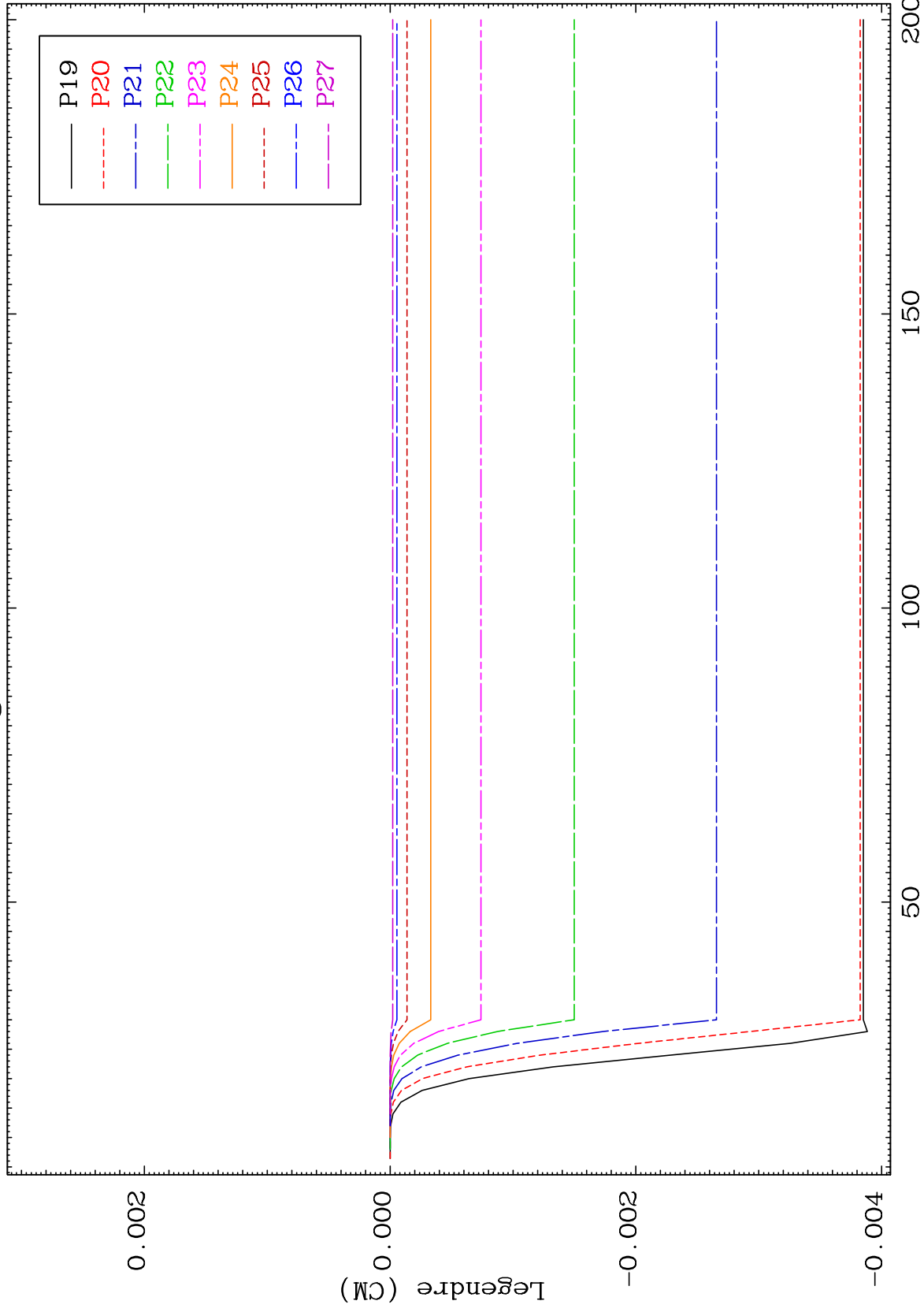
Incident Energy (MeV)

43

MAT 6425

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

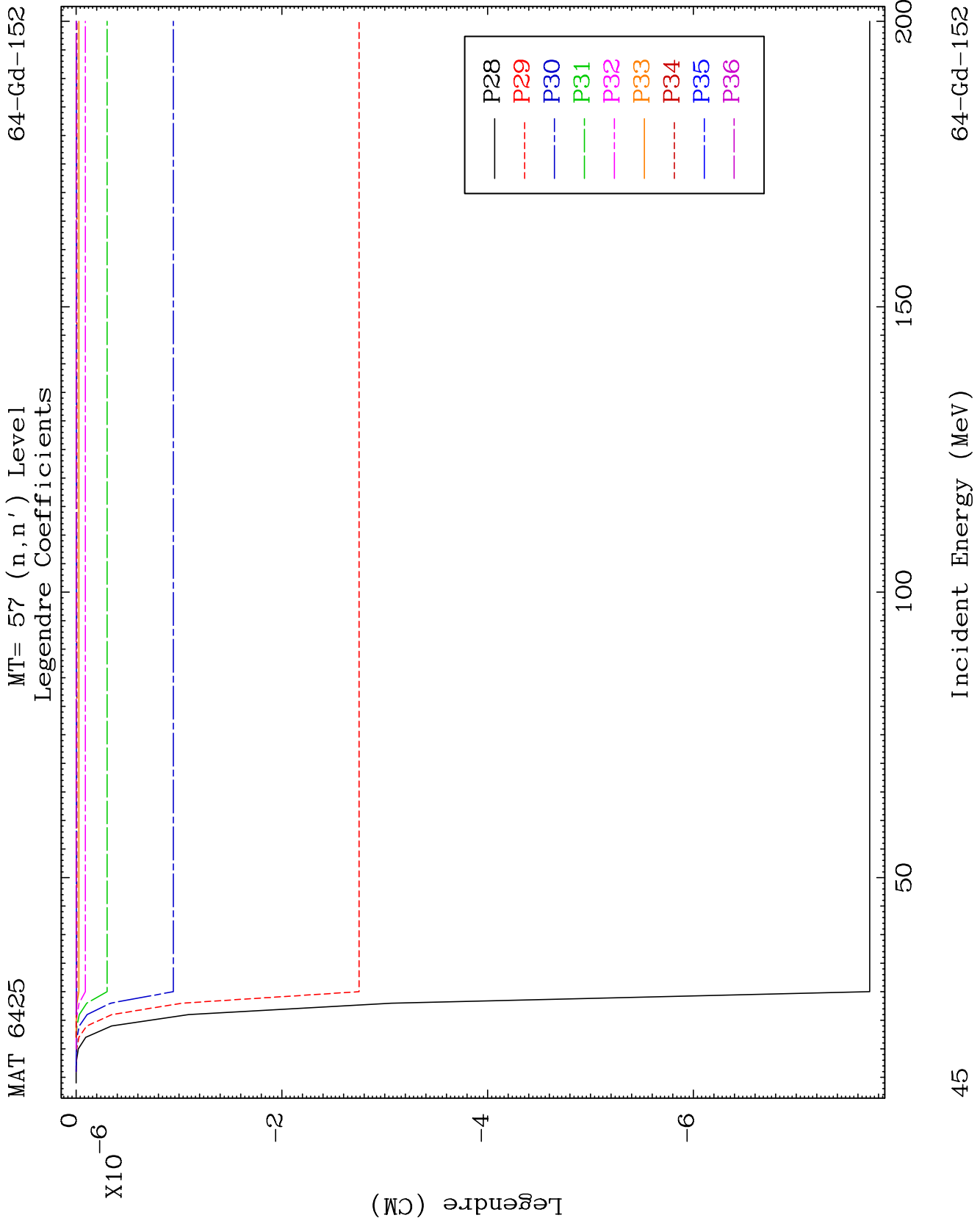
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44

Incident Energy (MeV)

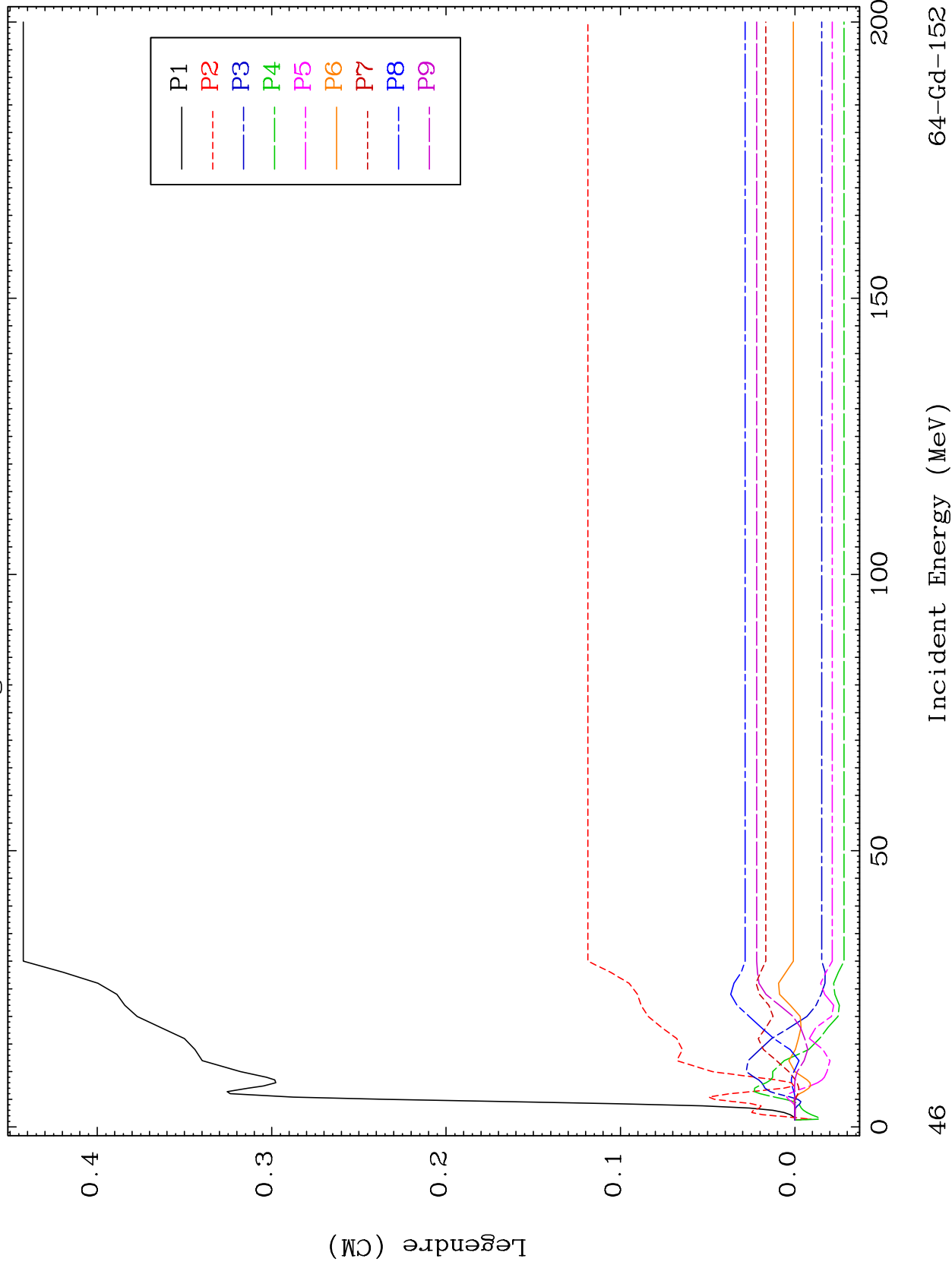
64-Gd-152



MAT 6425

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

64-Gd-152



46

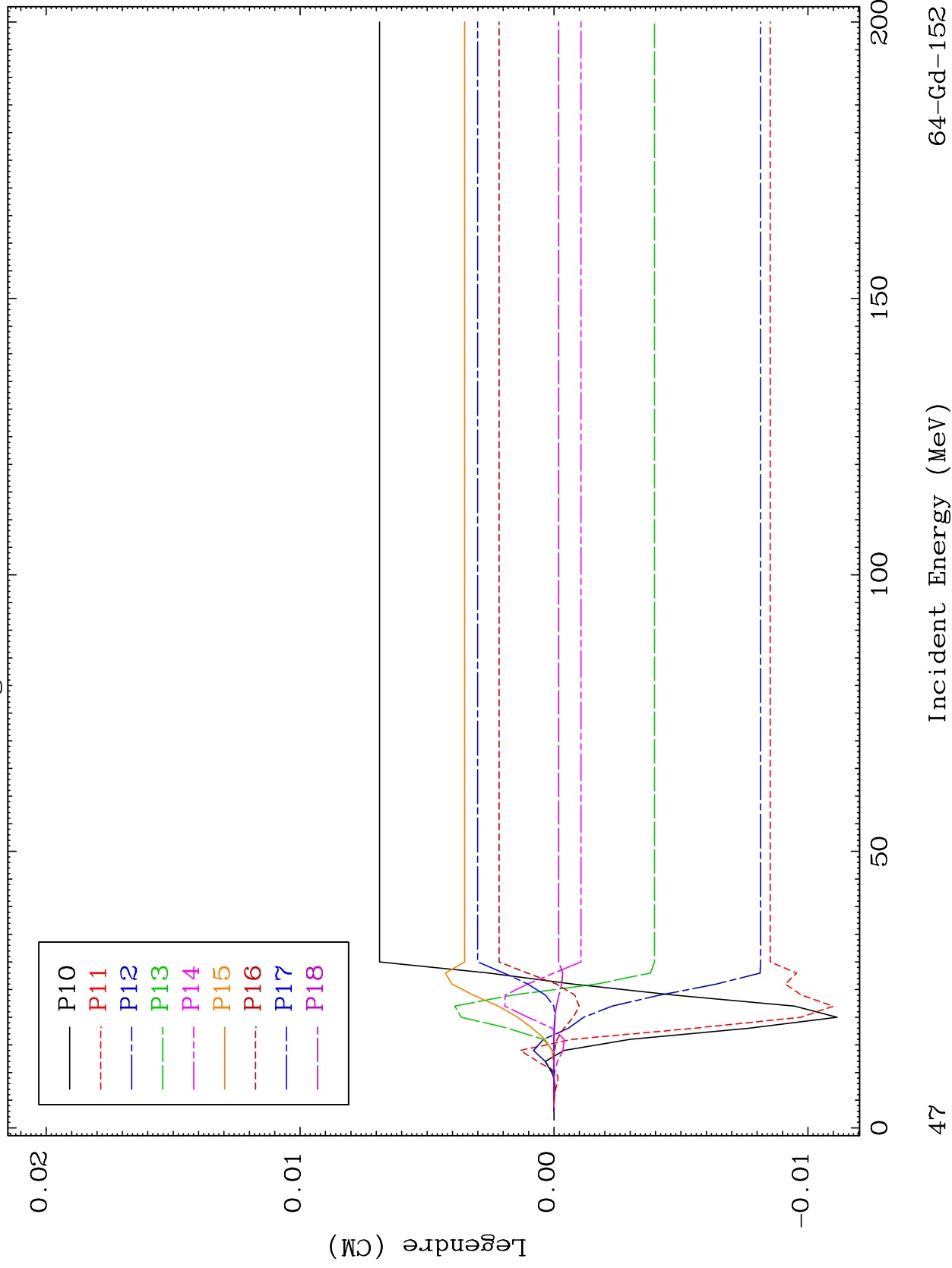
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



64-Gd-152

Incident Energy (MeV)

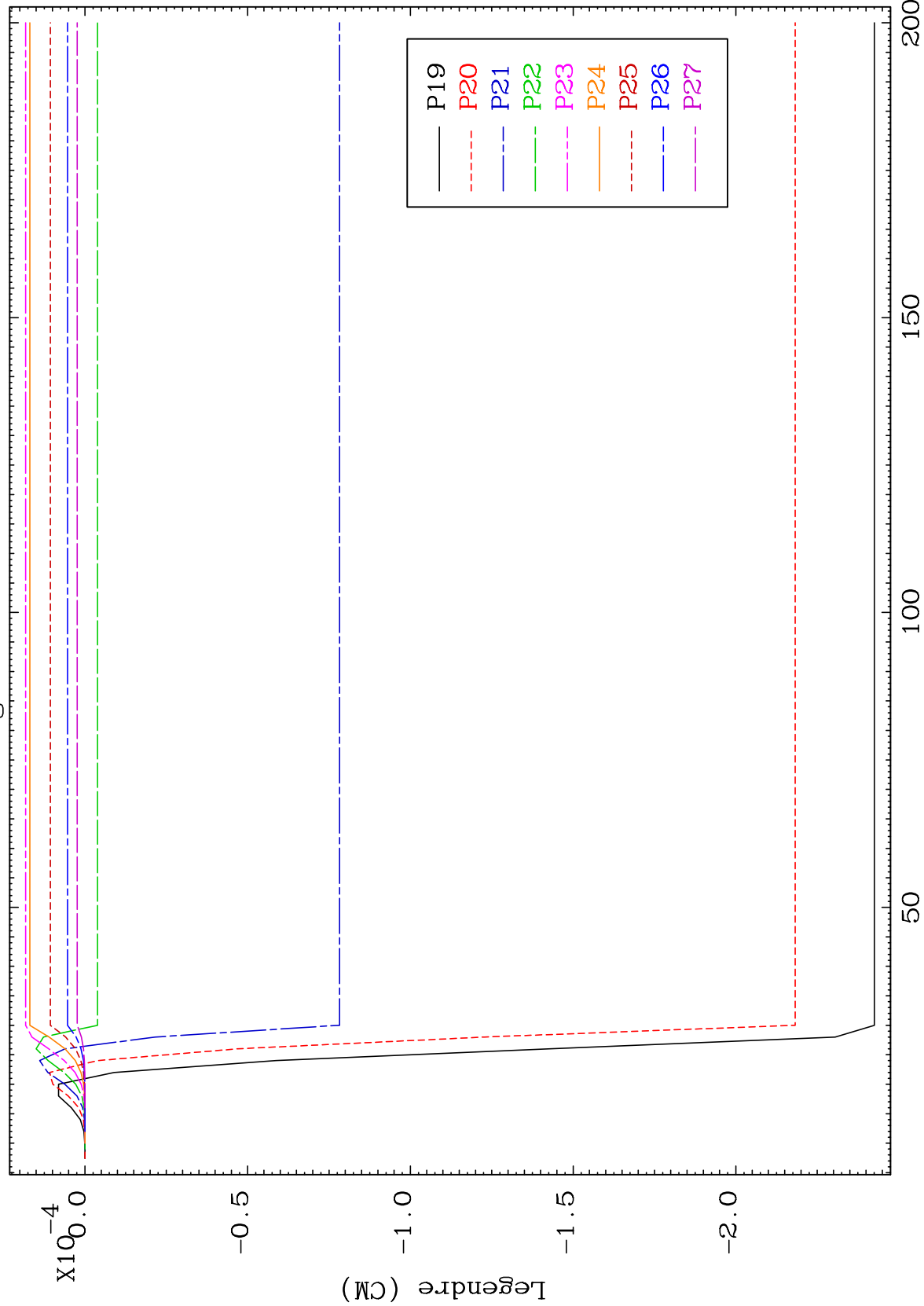
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MAT 6425

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

64-Gd-152



64-Gd-152

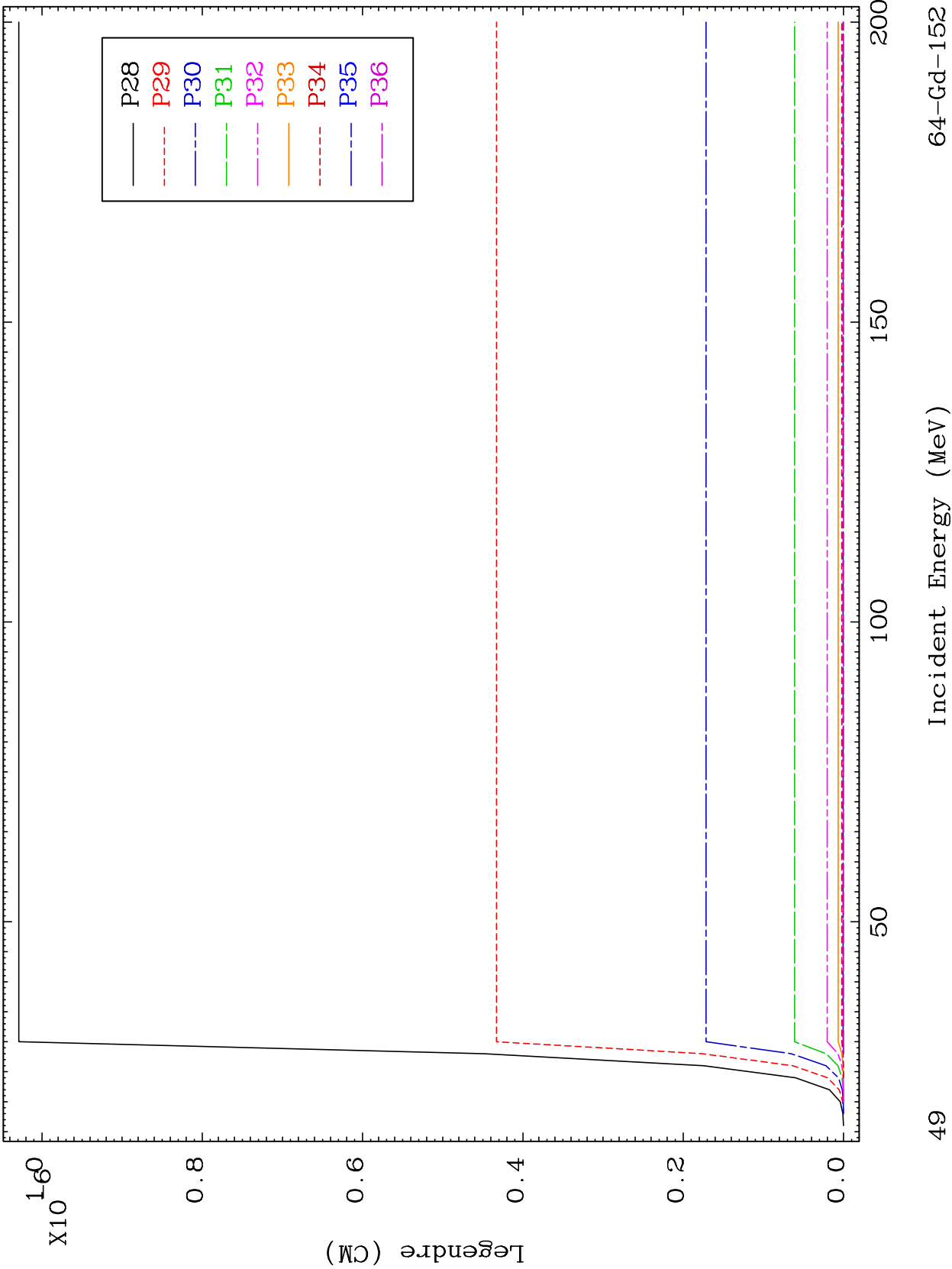
Incident Energy (MeV)

48

MAT 6425

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

64-Gd-152



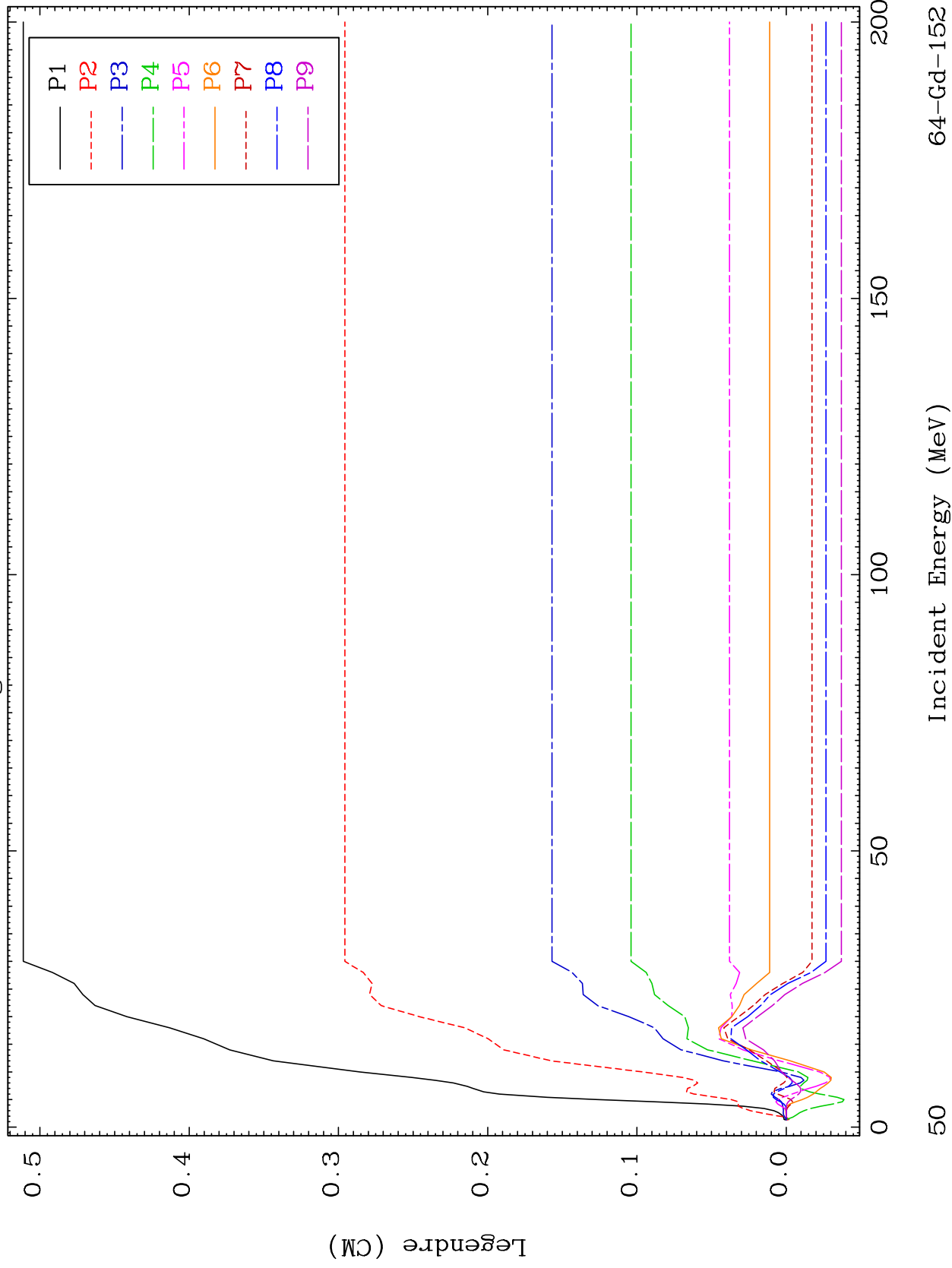
49

64-Gd-152

MAT 6425

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

64-Gd-152



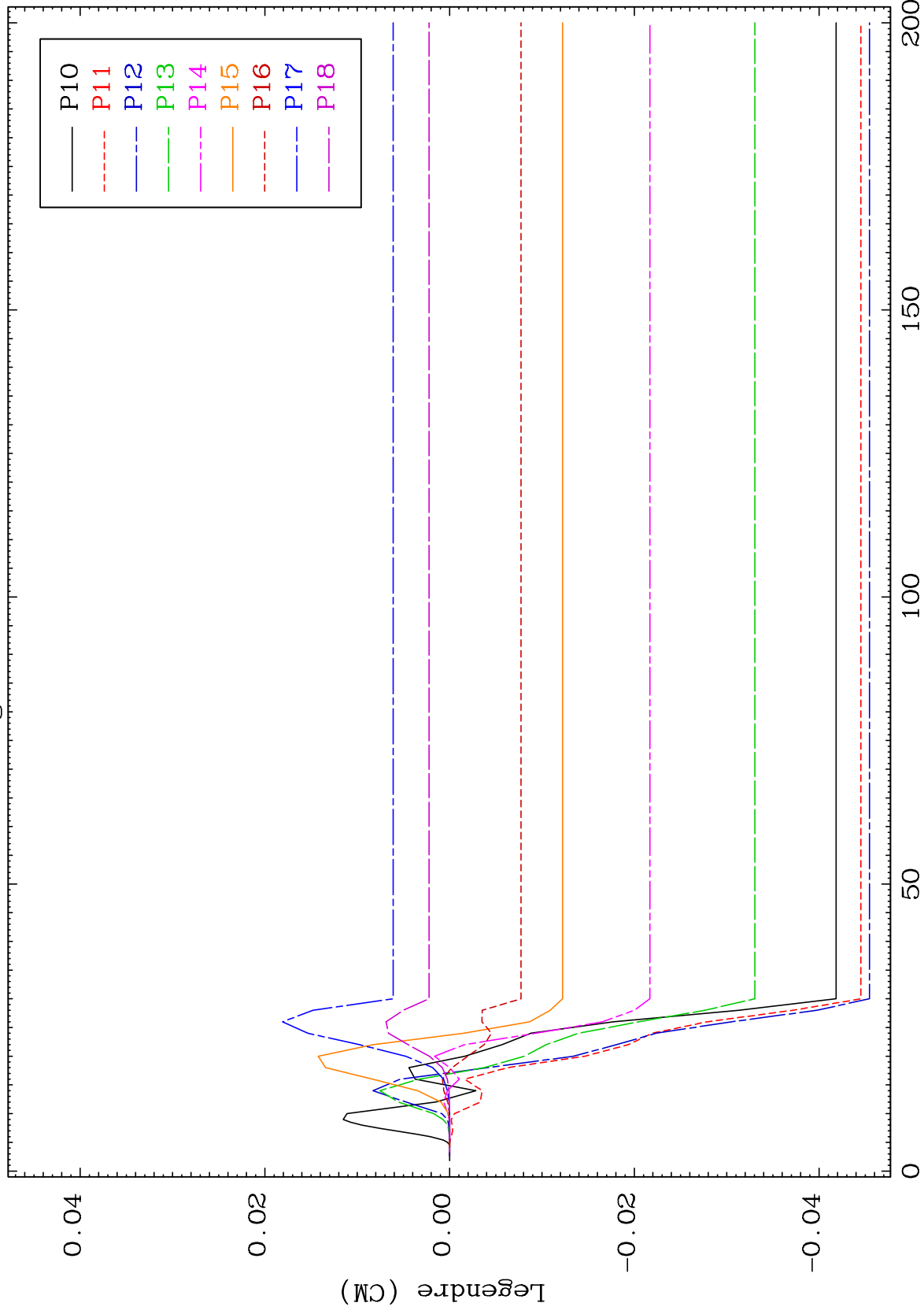
64-Gd-152

Incident Energy (MeV)

MAT 6425

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

64-Gd-152



51

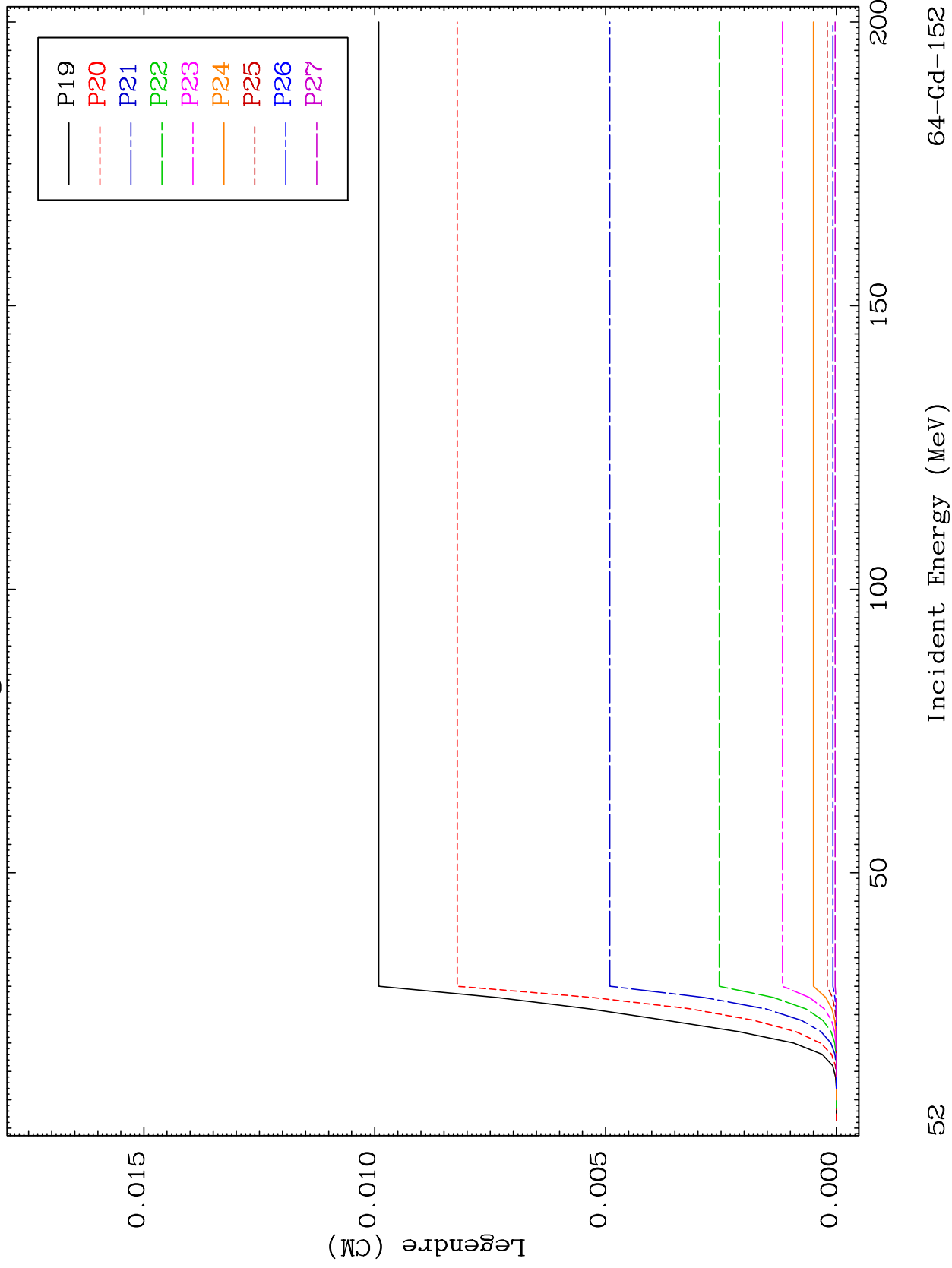
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



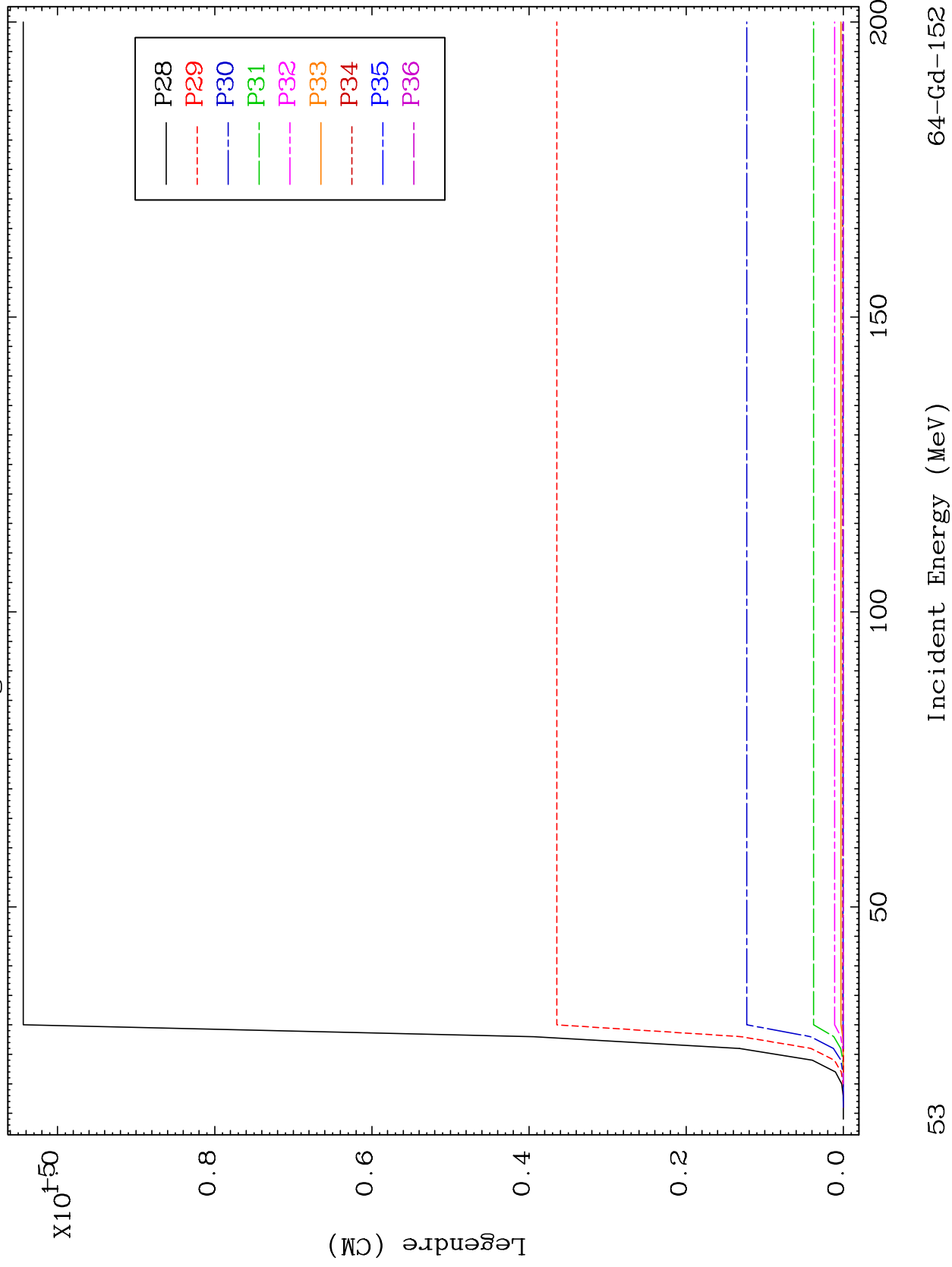
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64-Gd-152

MAT 6425

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

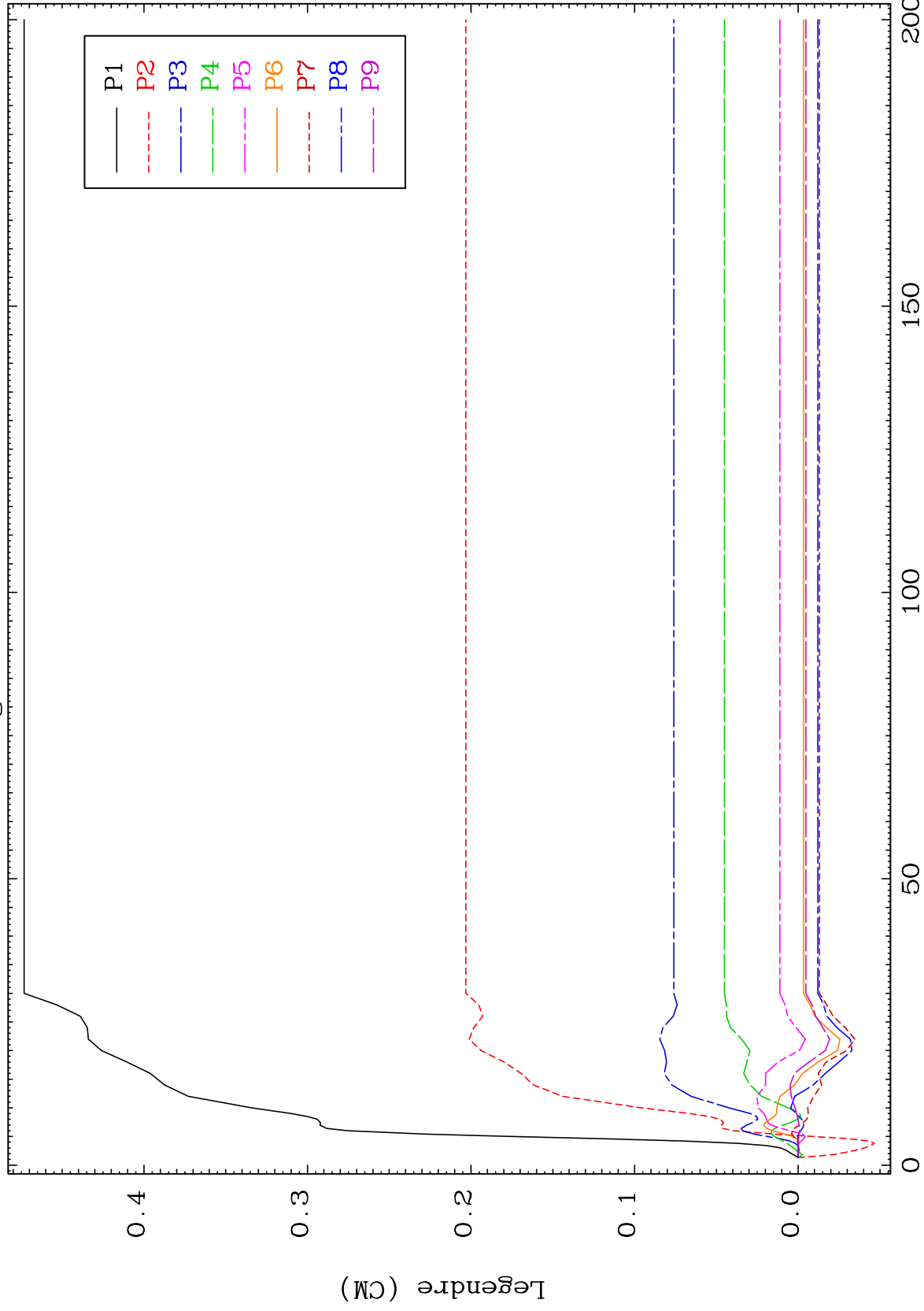
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MAT 6425

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

64-Gd-152



54

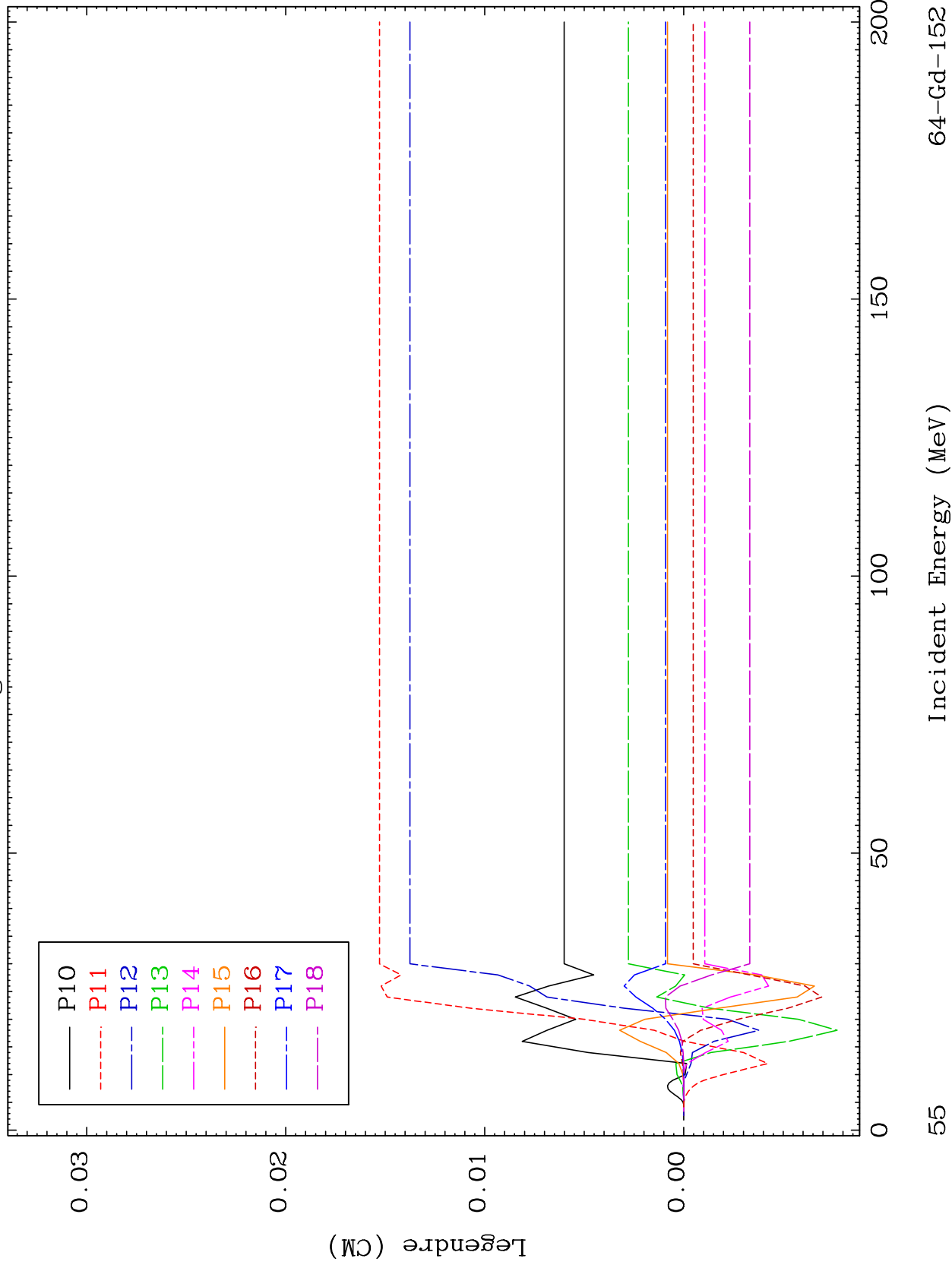
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



64-Gd-152

Incident Energy (MeV)

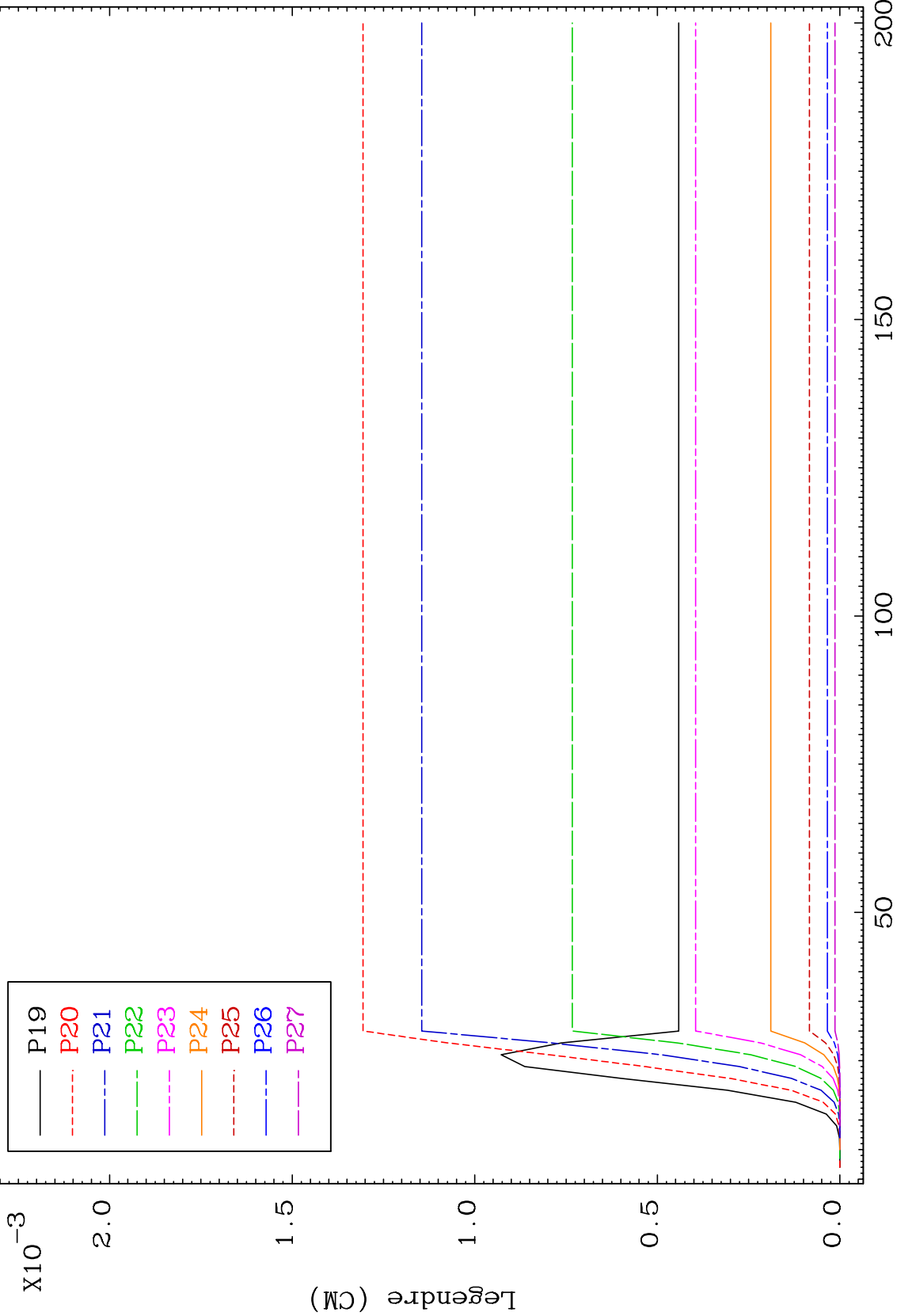
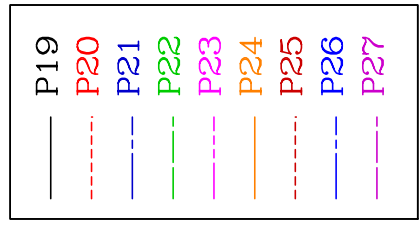
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MAT 6425

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

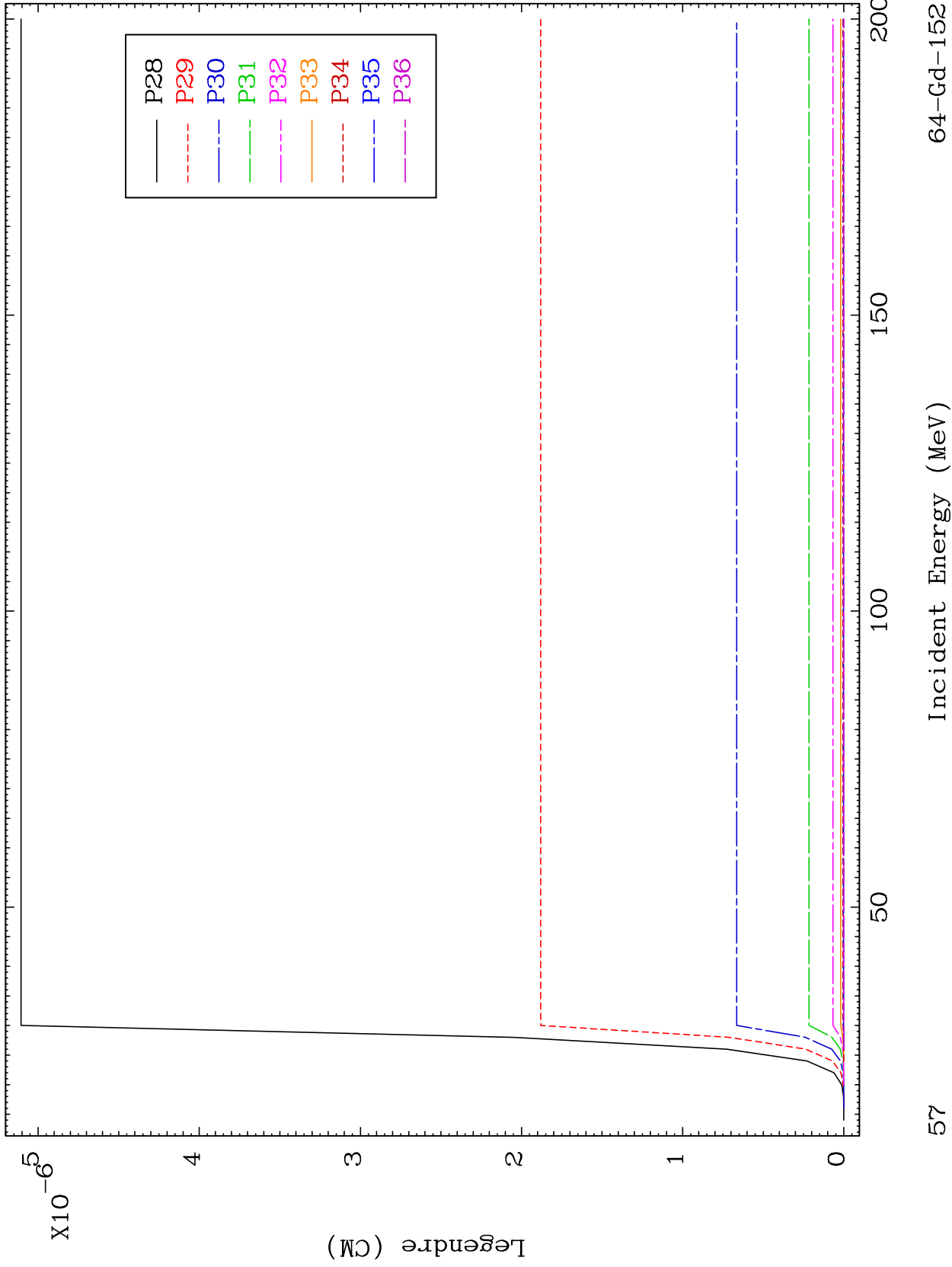
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56

Incident Energy (MeV)

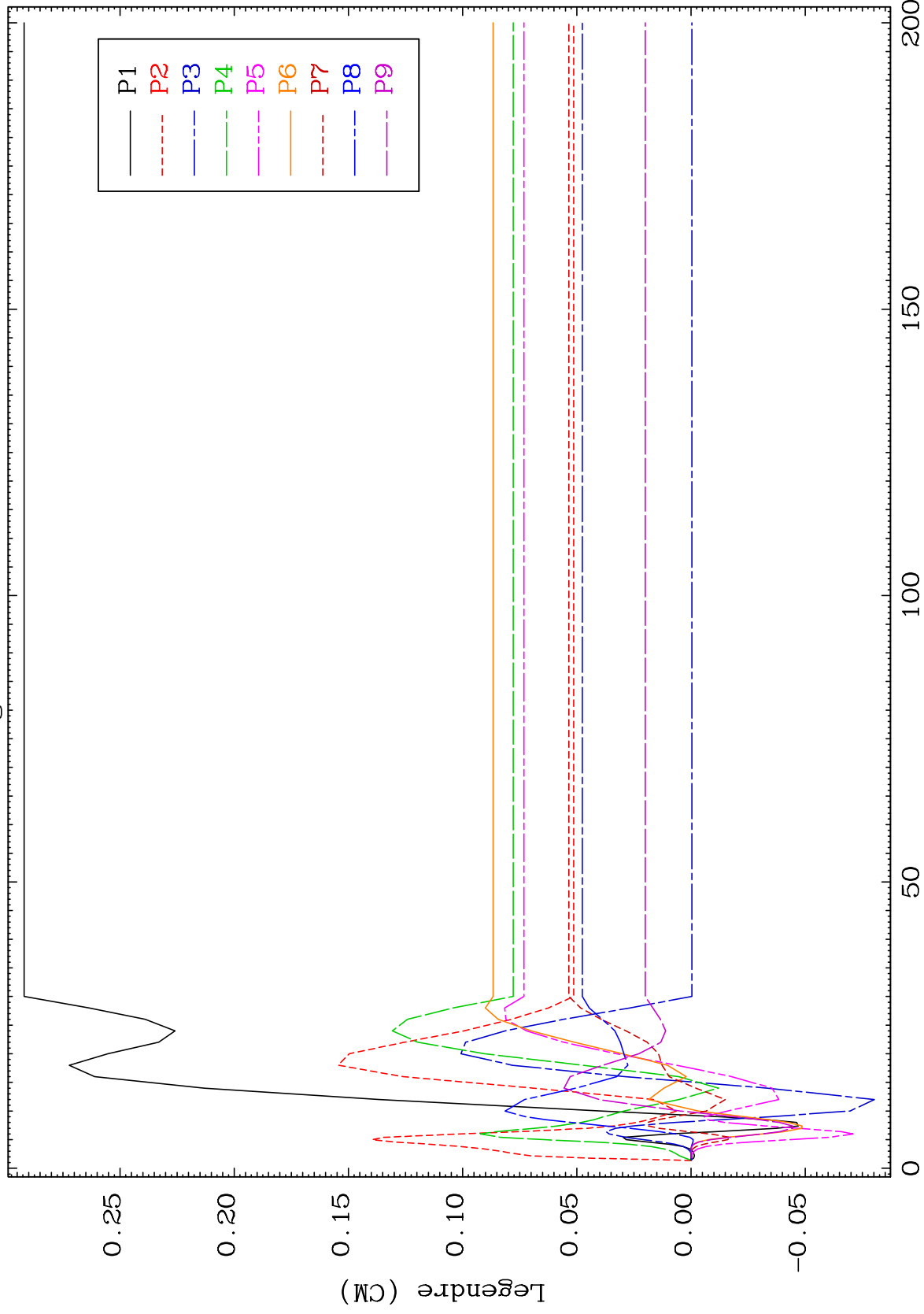
64-Gd-152



MAT 6425

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

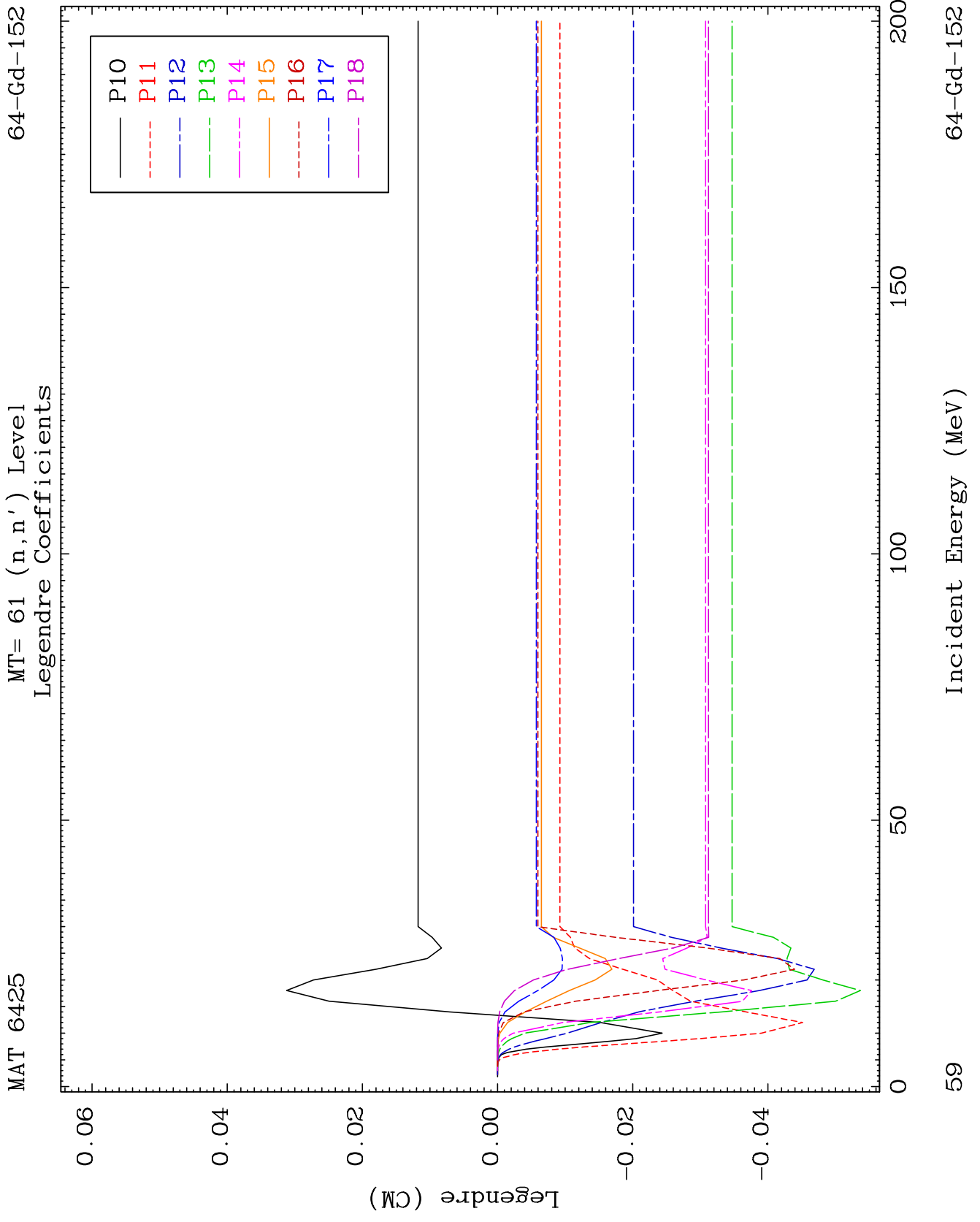
64-Gd-152



58

Incident Energy (MeV)

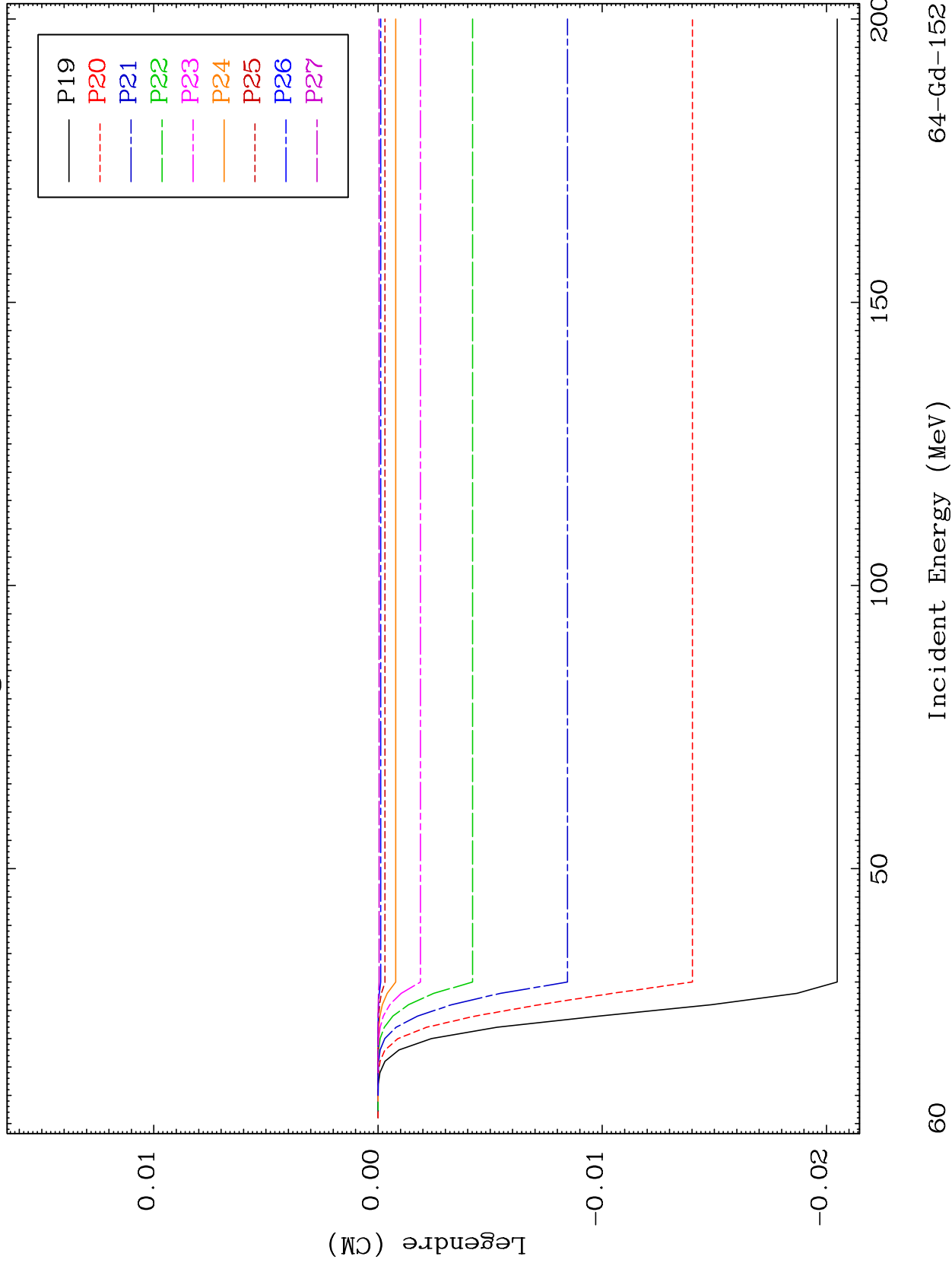
64-Gd-152



MAT 6425

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

64-Gd-152

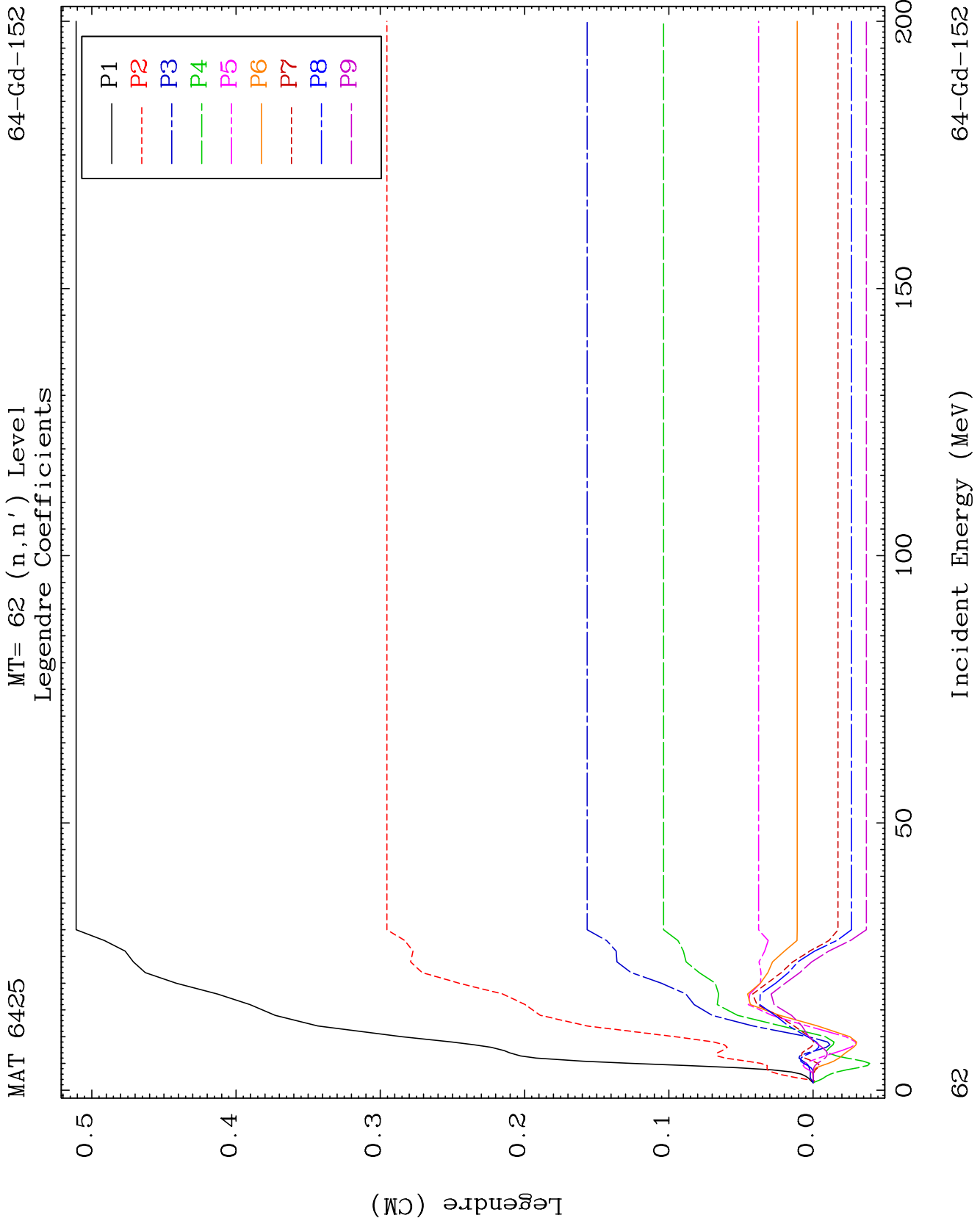


60

Incident Energy (MeV)

64-Gd-152

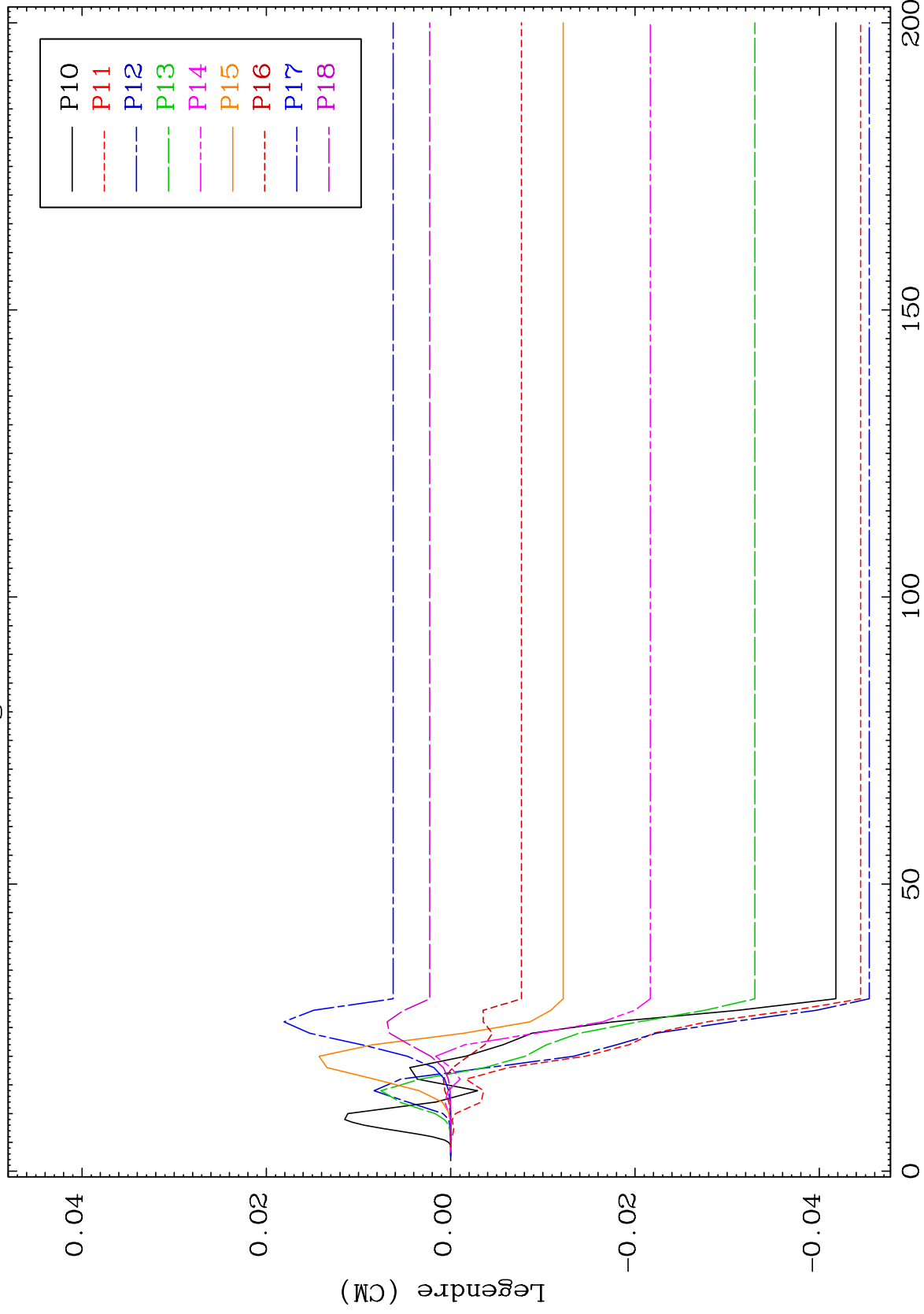




MAT 6425

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

64-Gd-152



63

Incident Energy (MeV)

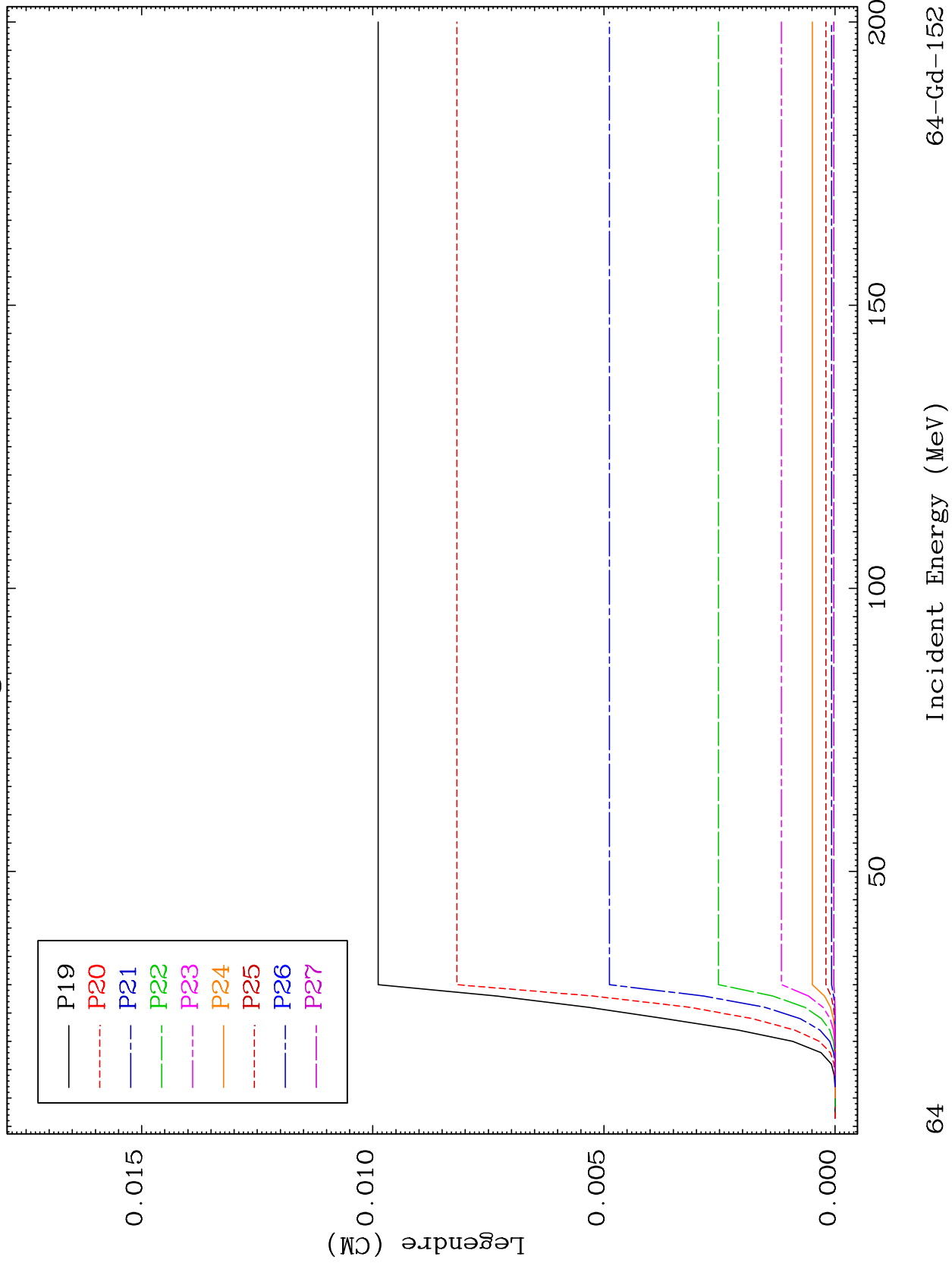
64-Gd-152



MAT 6425

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

64-Gd-152



64

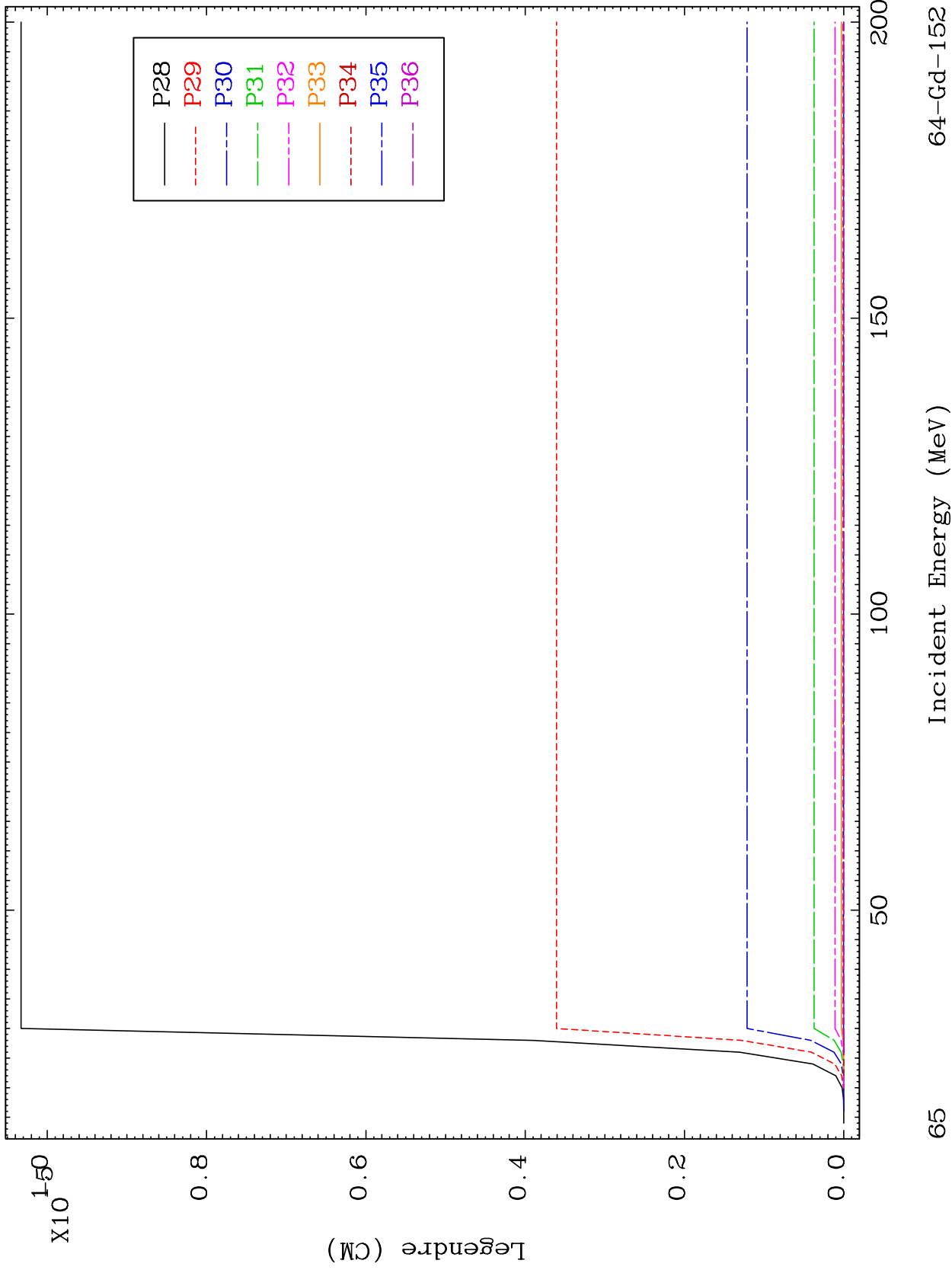
Incident Energy (MeV)

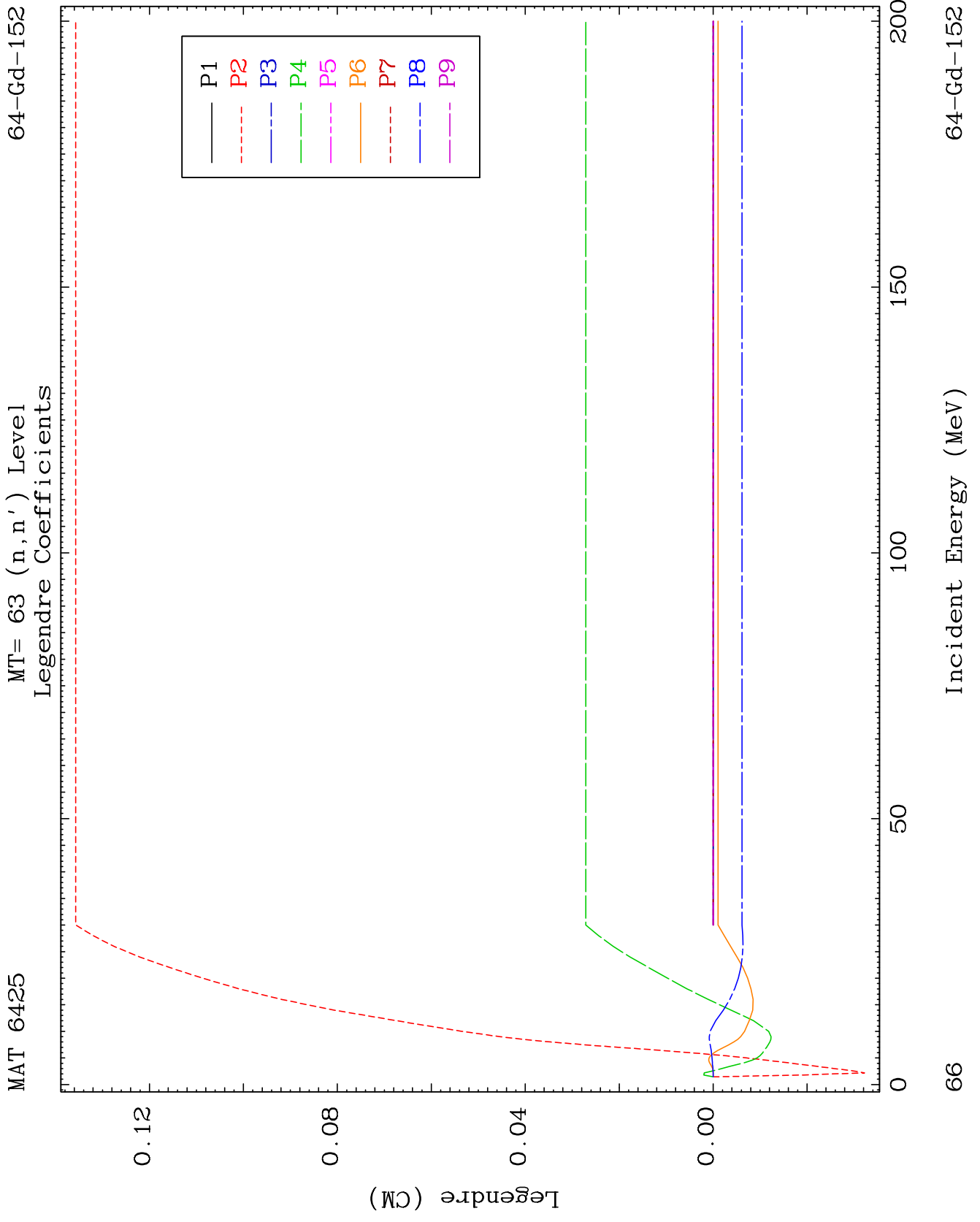
64-Gd-152

MAT 6425

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

64-Gd-152

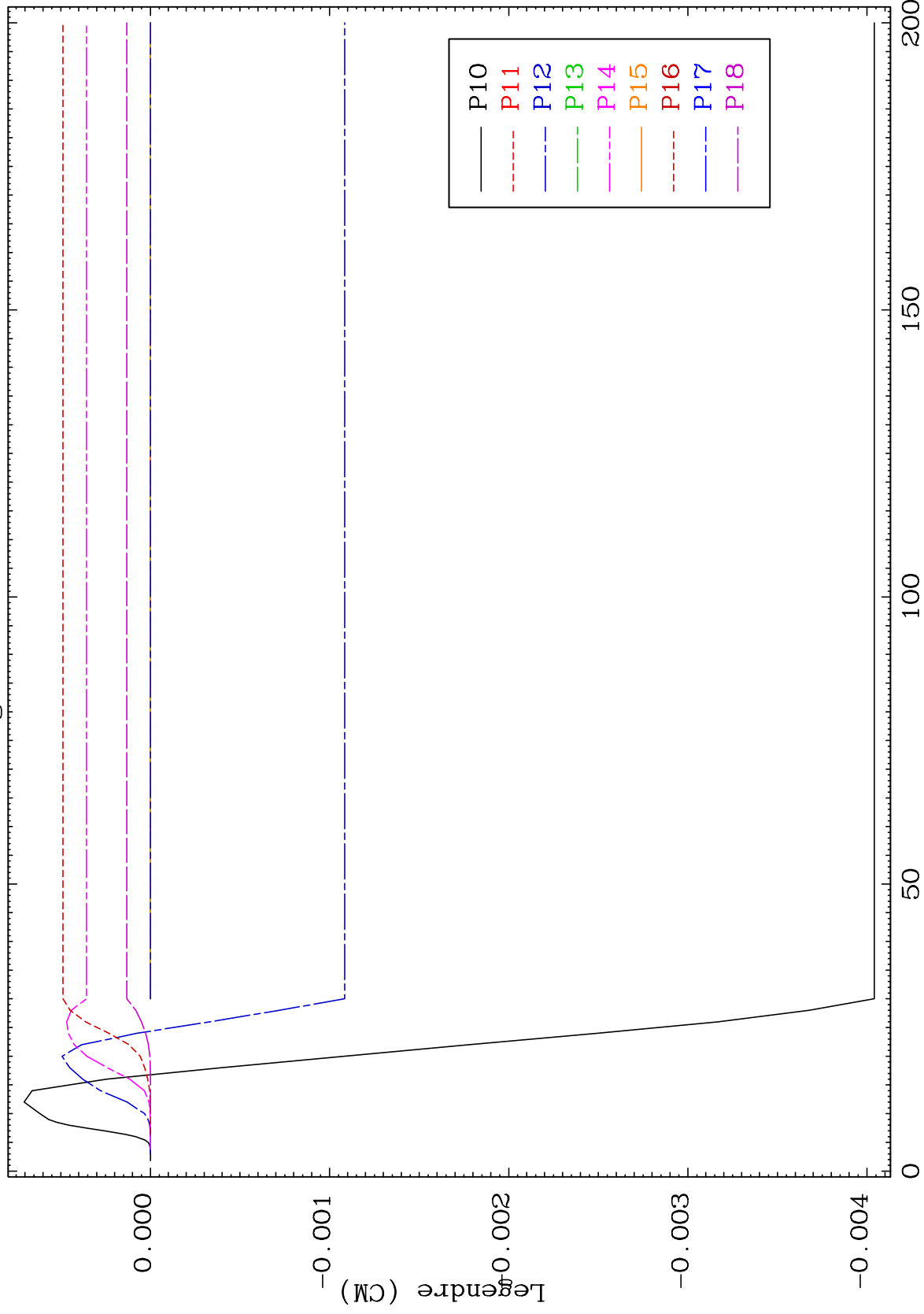




MAT 6425

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

64-Gd-152

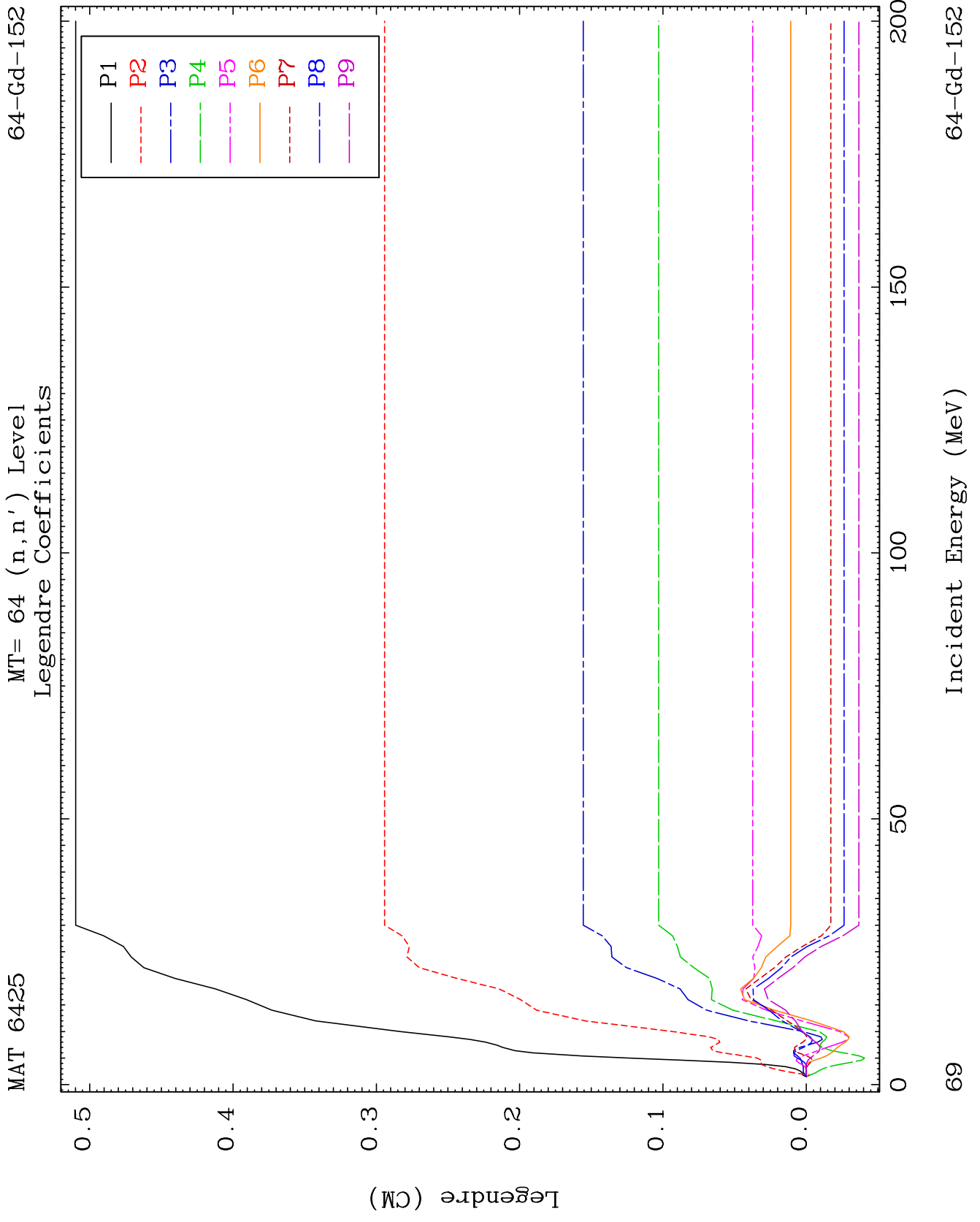


67

Incident Energy (MeV)

64-Gd-152

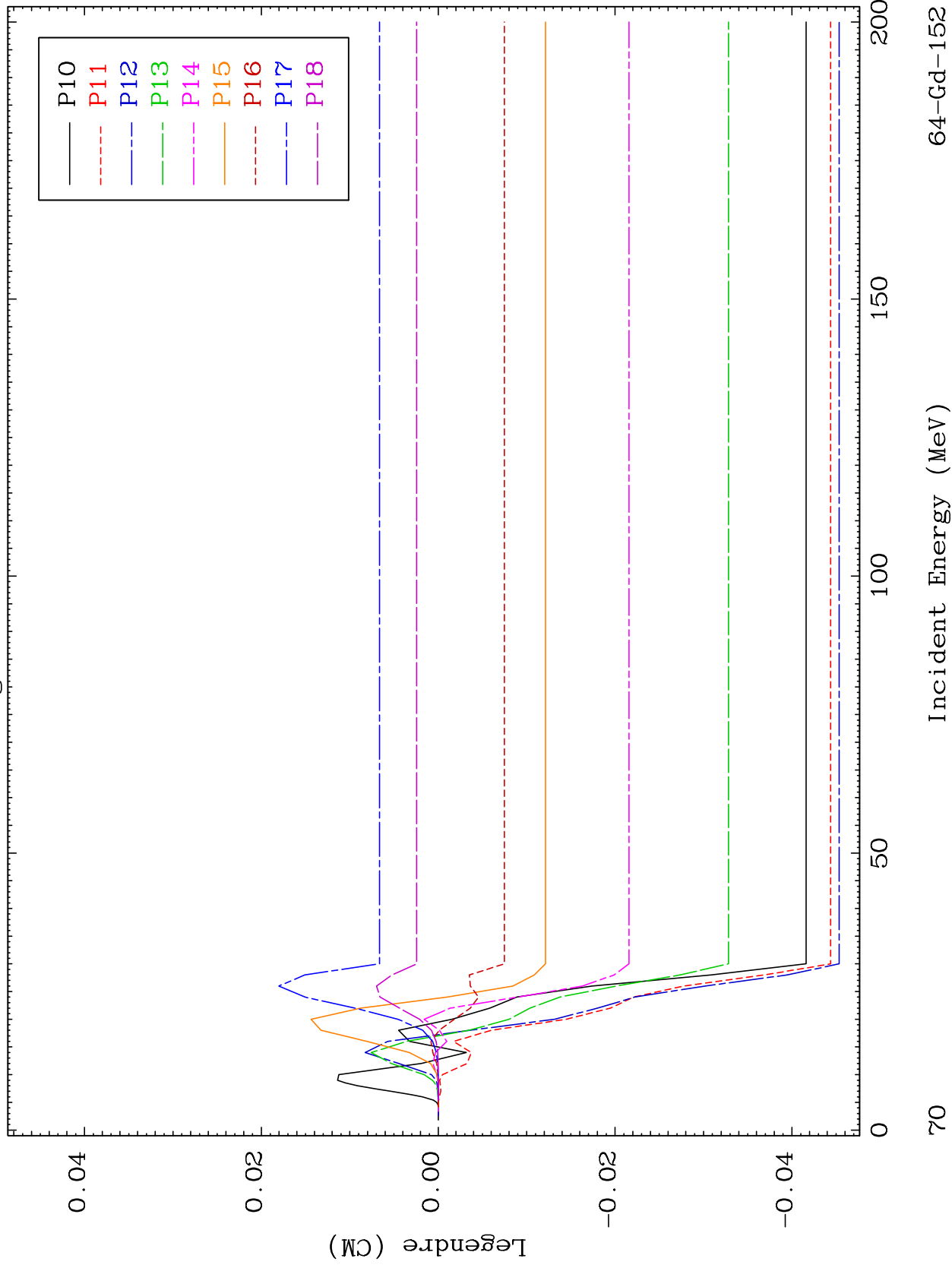




MAT 6425

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

64-Gd-152



64-Gd-152

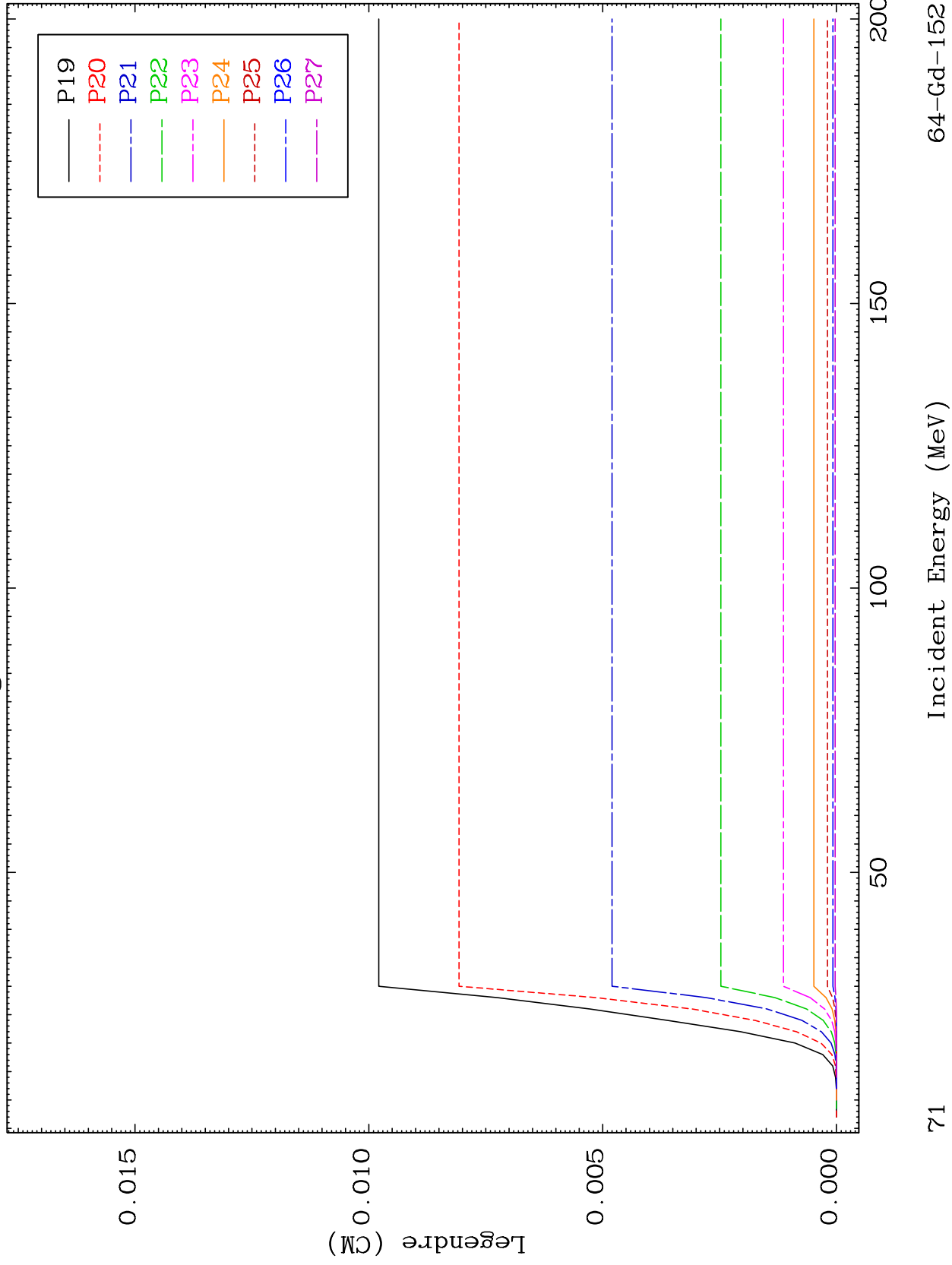
Incident Energy (MeV)

70

MAT 6425

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

64-Gd-152



71

Incident Energy (MeV)

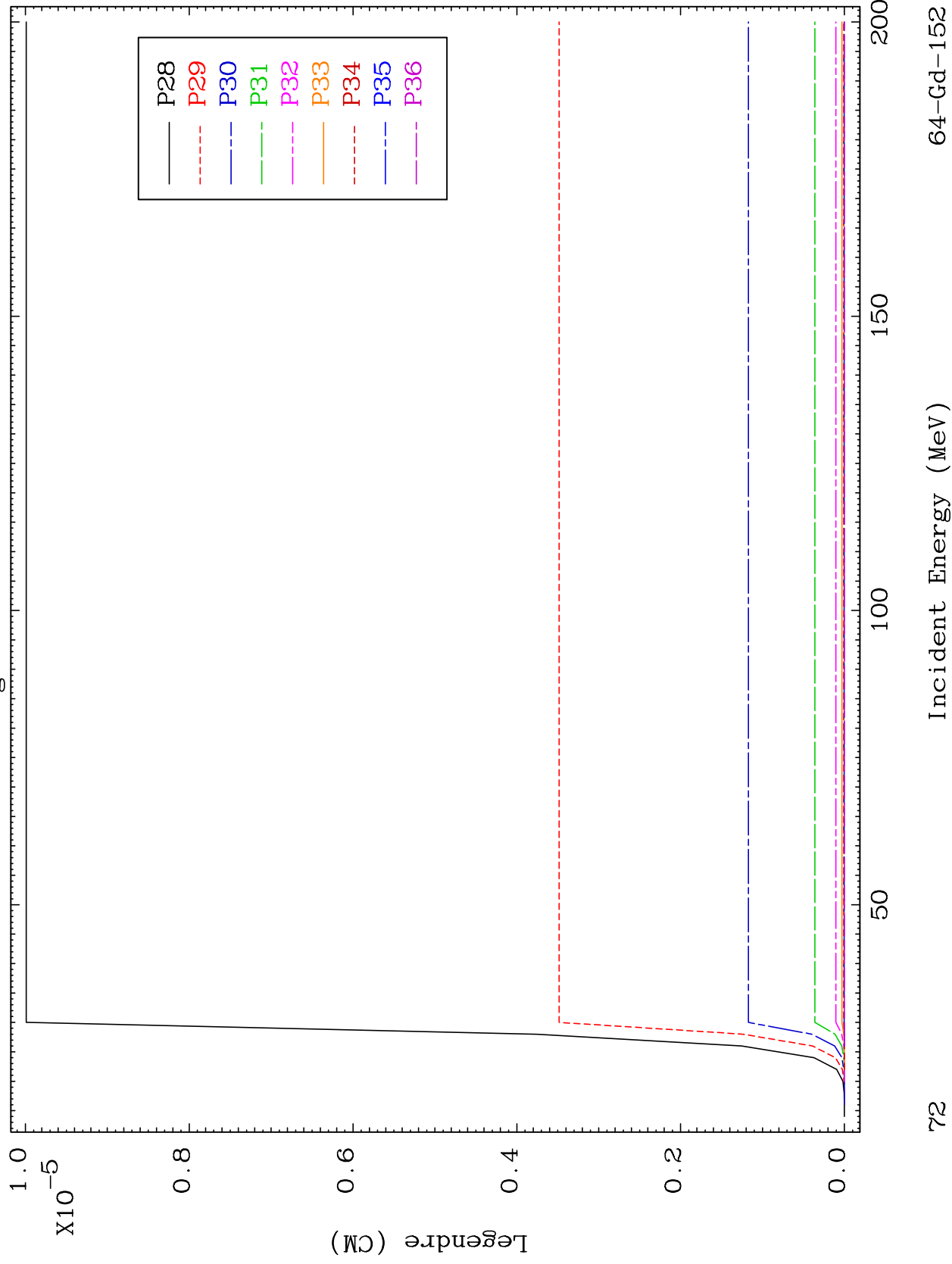
64-Gd-152



MAT 6425

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

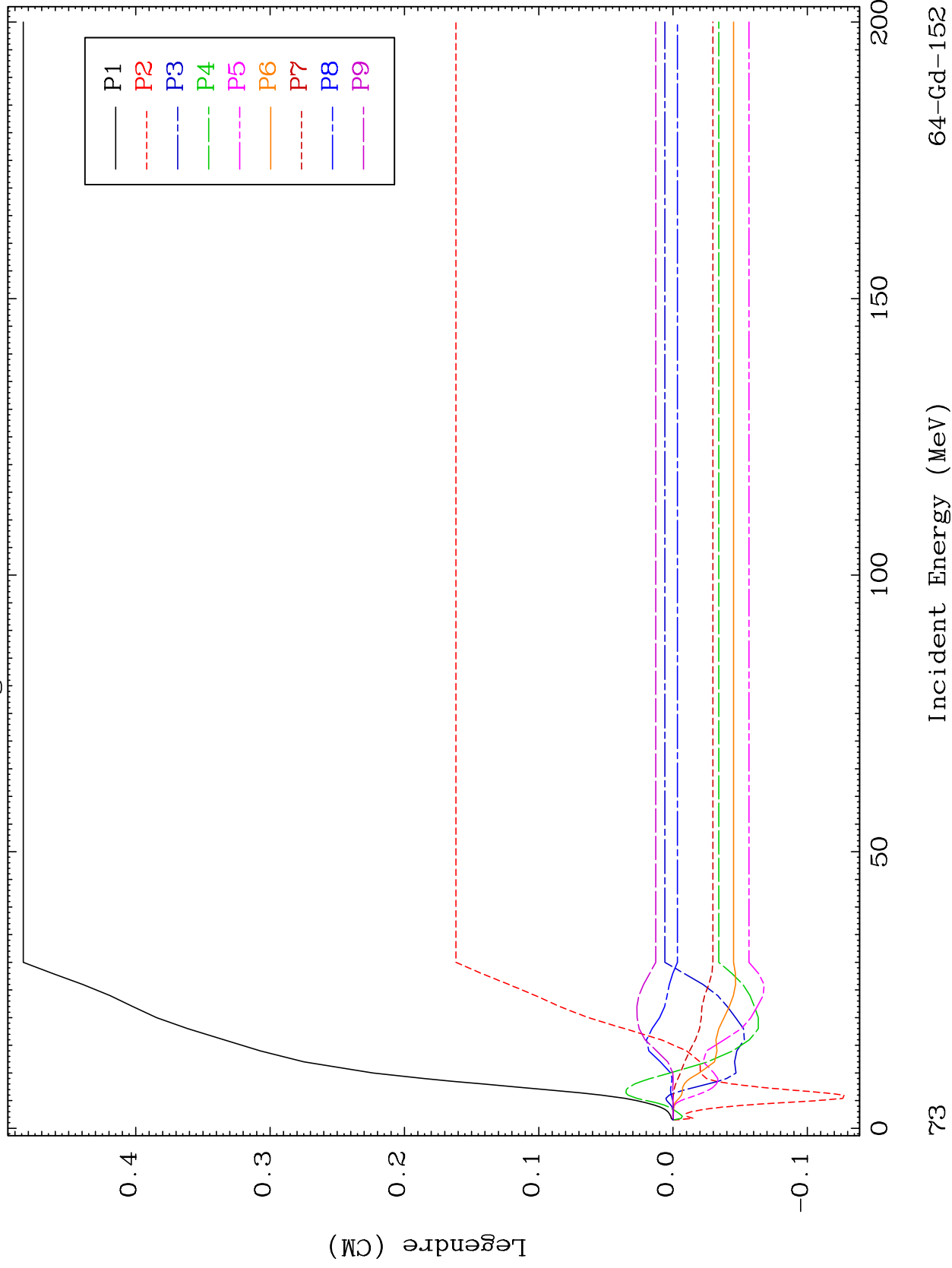
64-Gd-152



MAT 6425

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

64-Gd-152



64-Gd-152

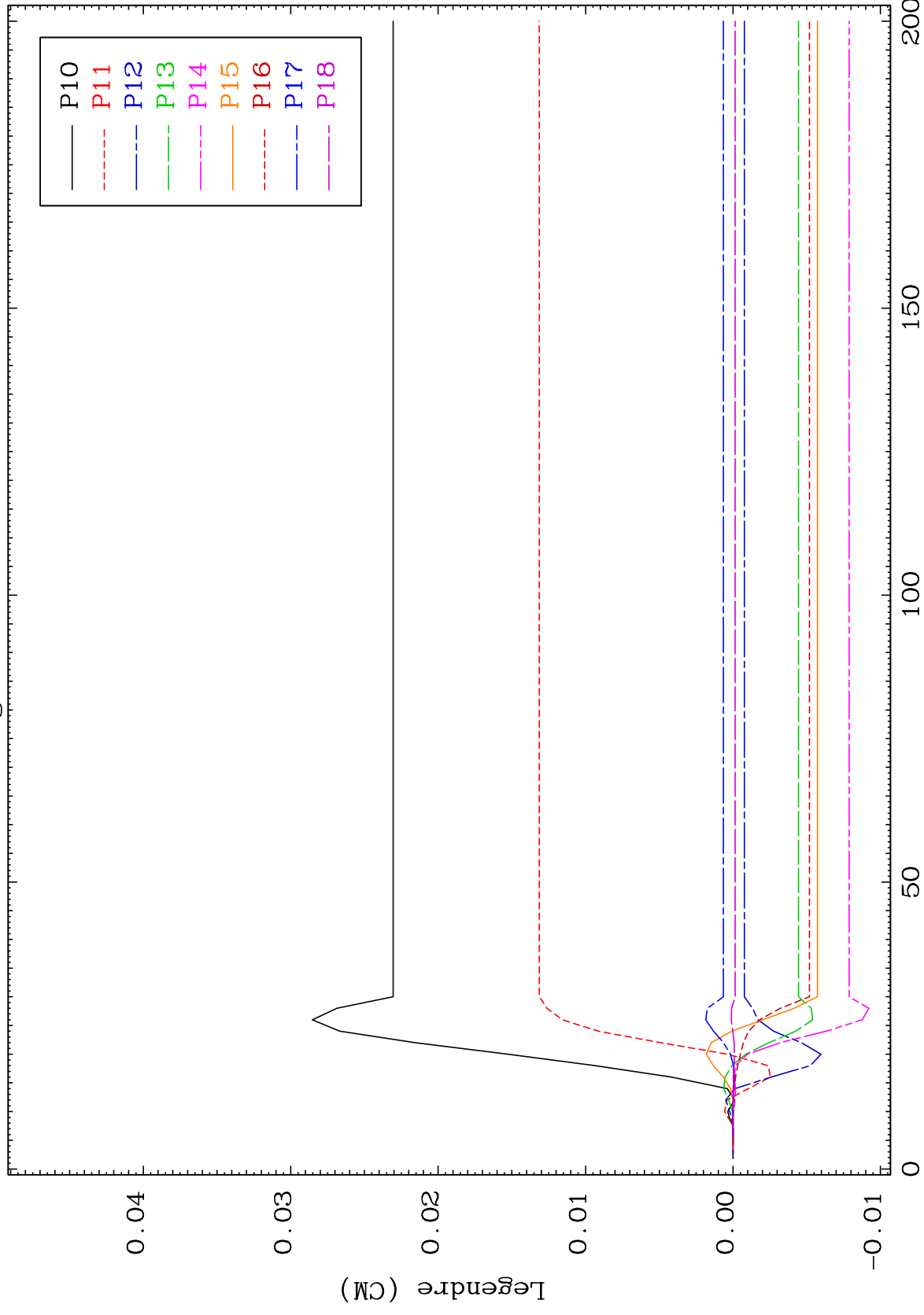
Incident Energy (MeV)

73

MAT 6425

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

64-Gd-152



74

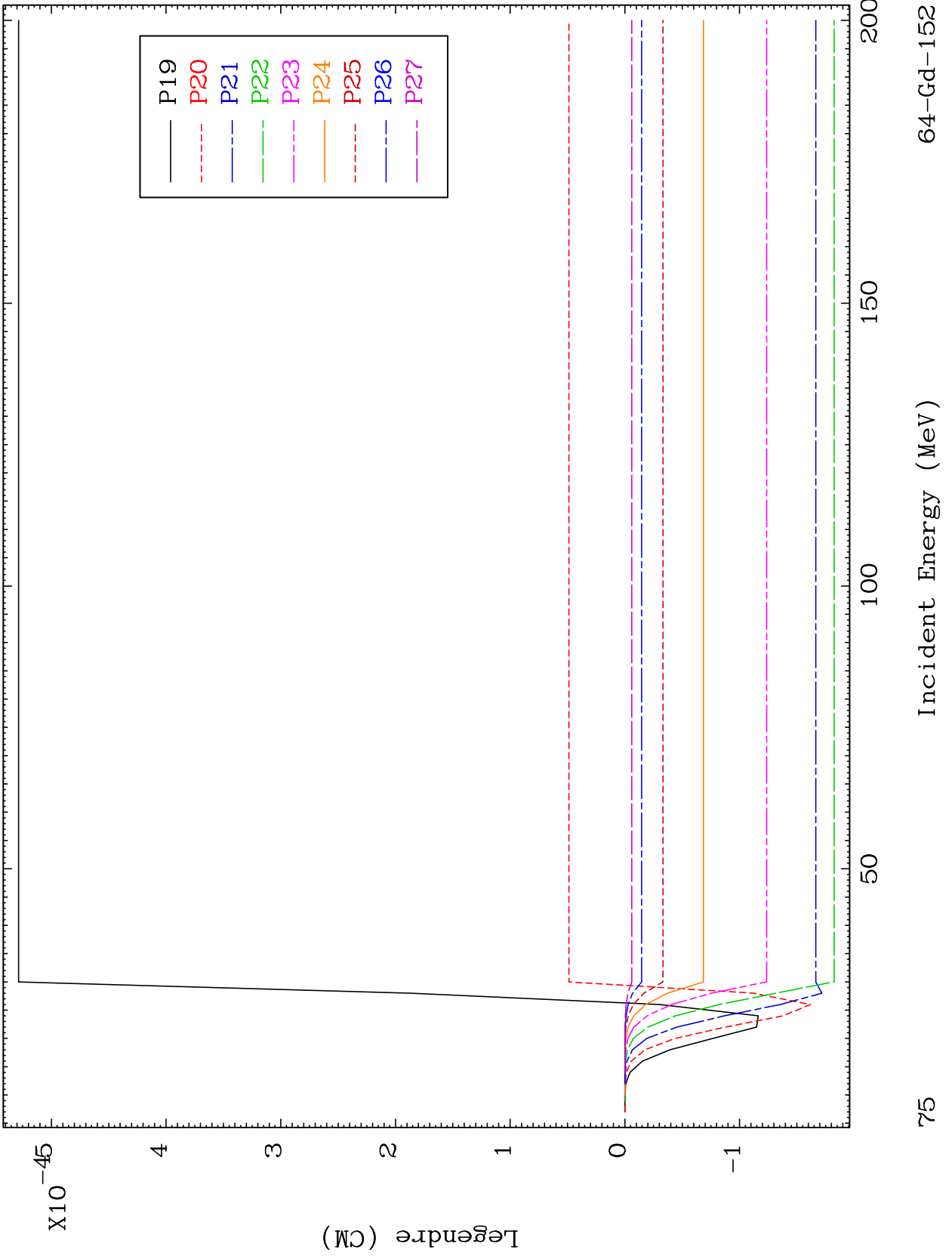
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



75

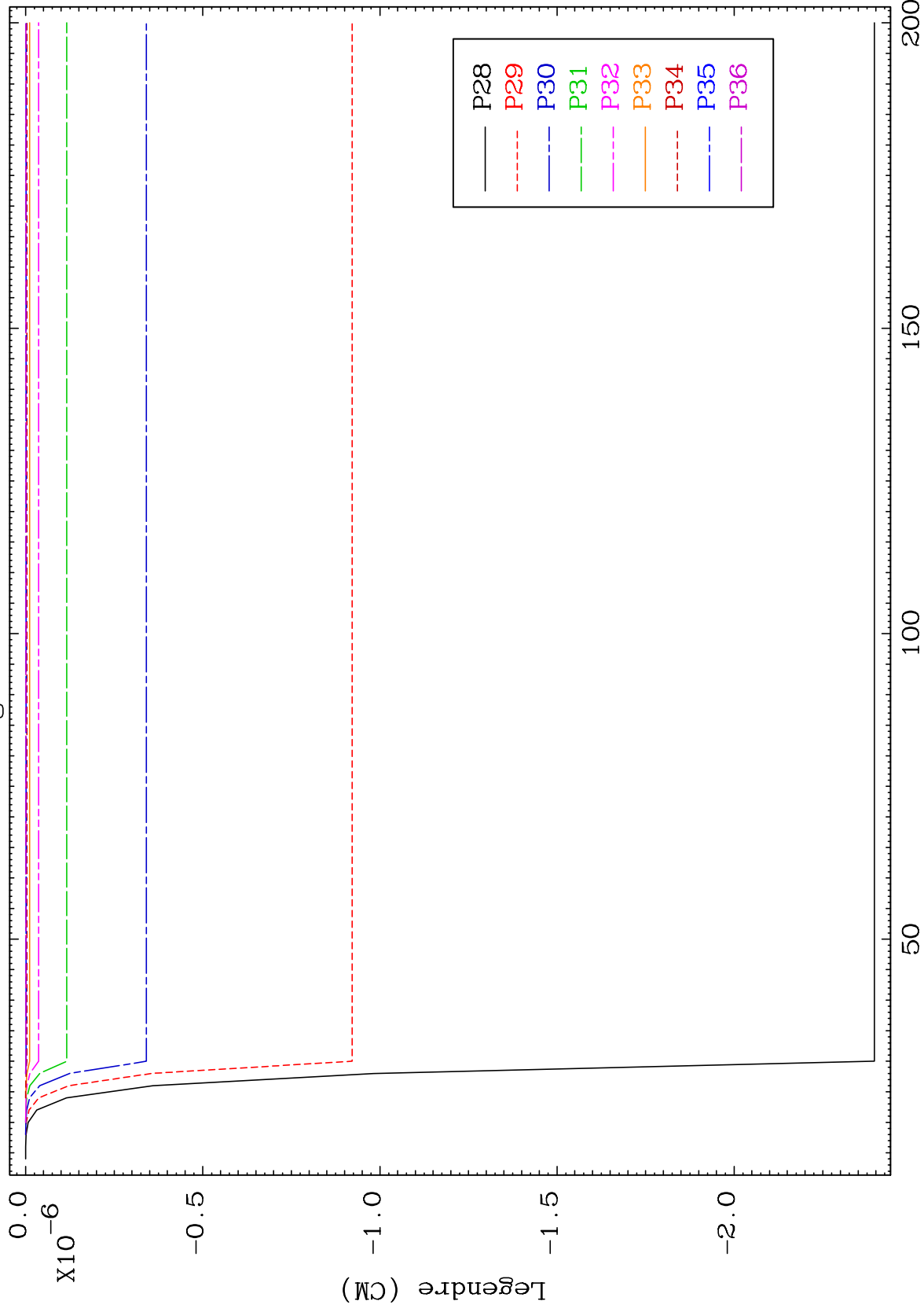
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



76

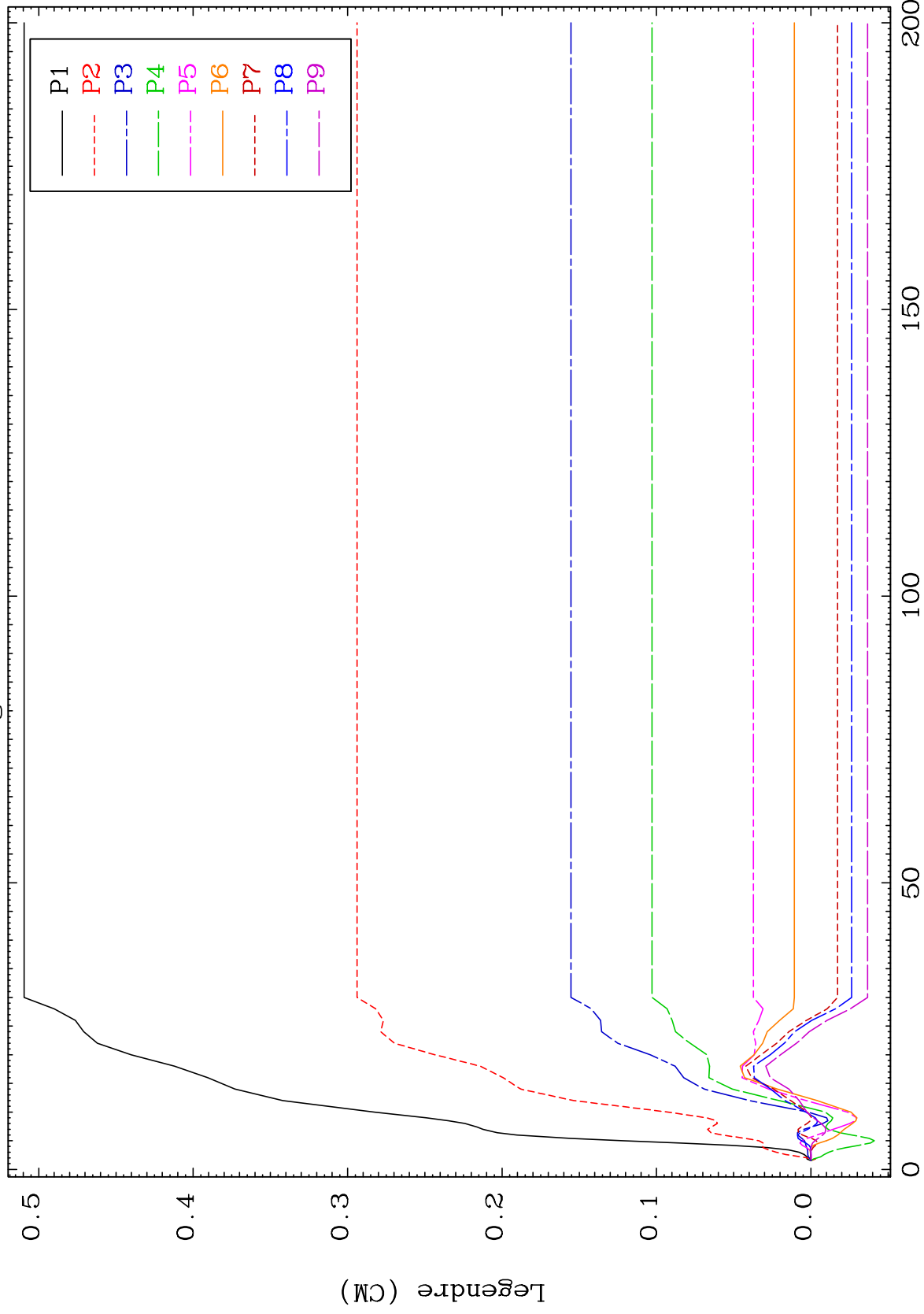
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



77

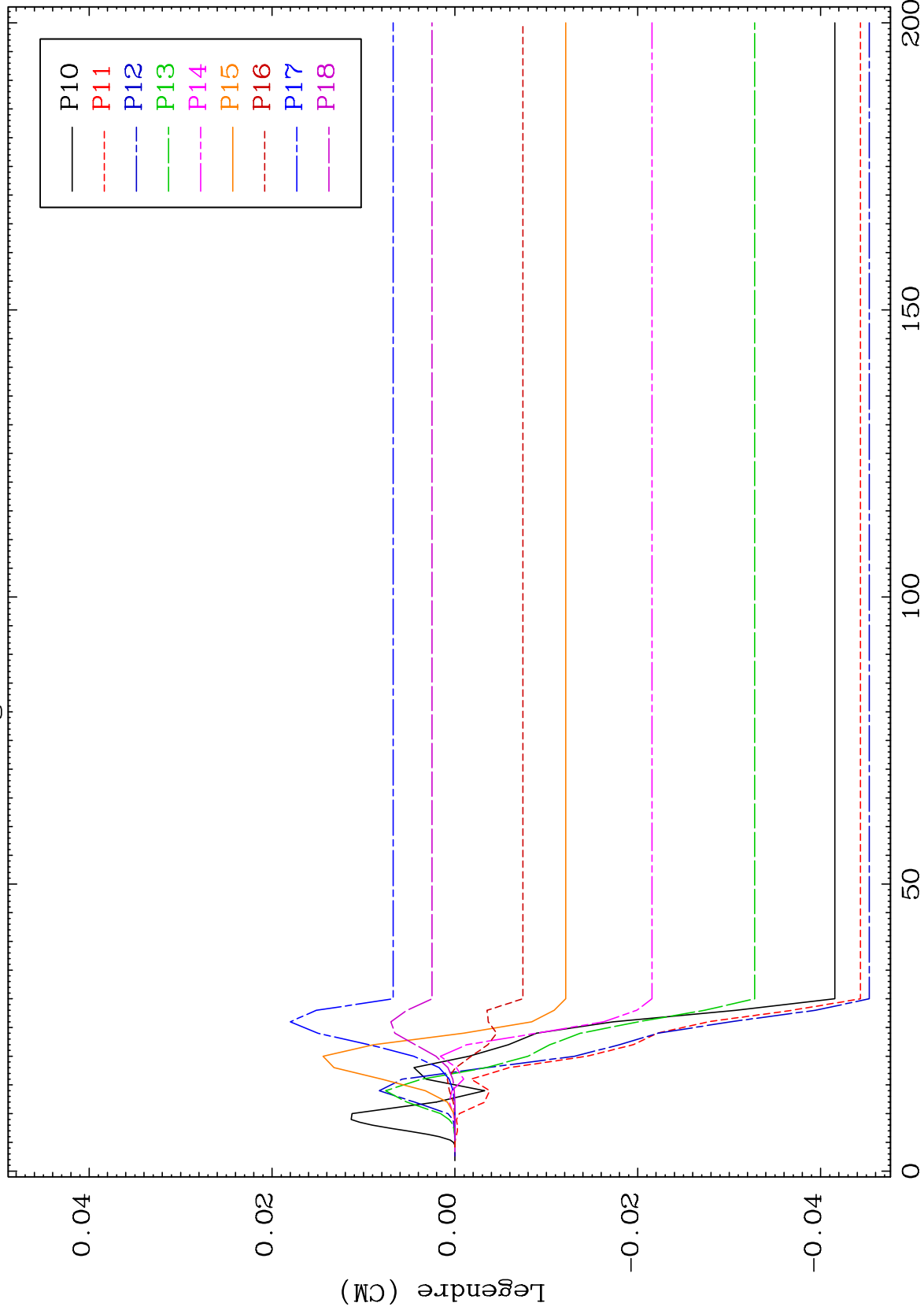
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



78

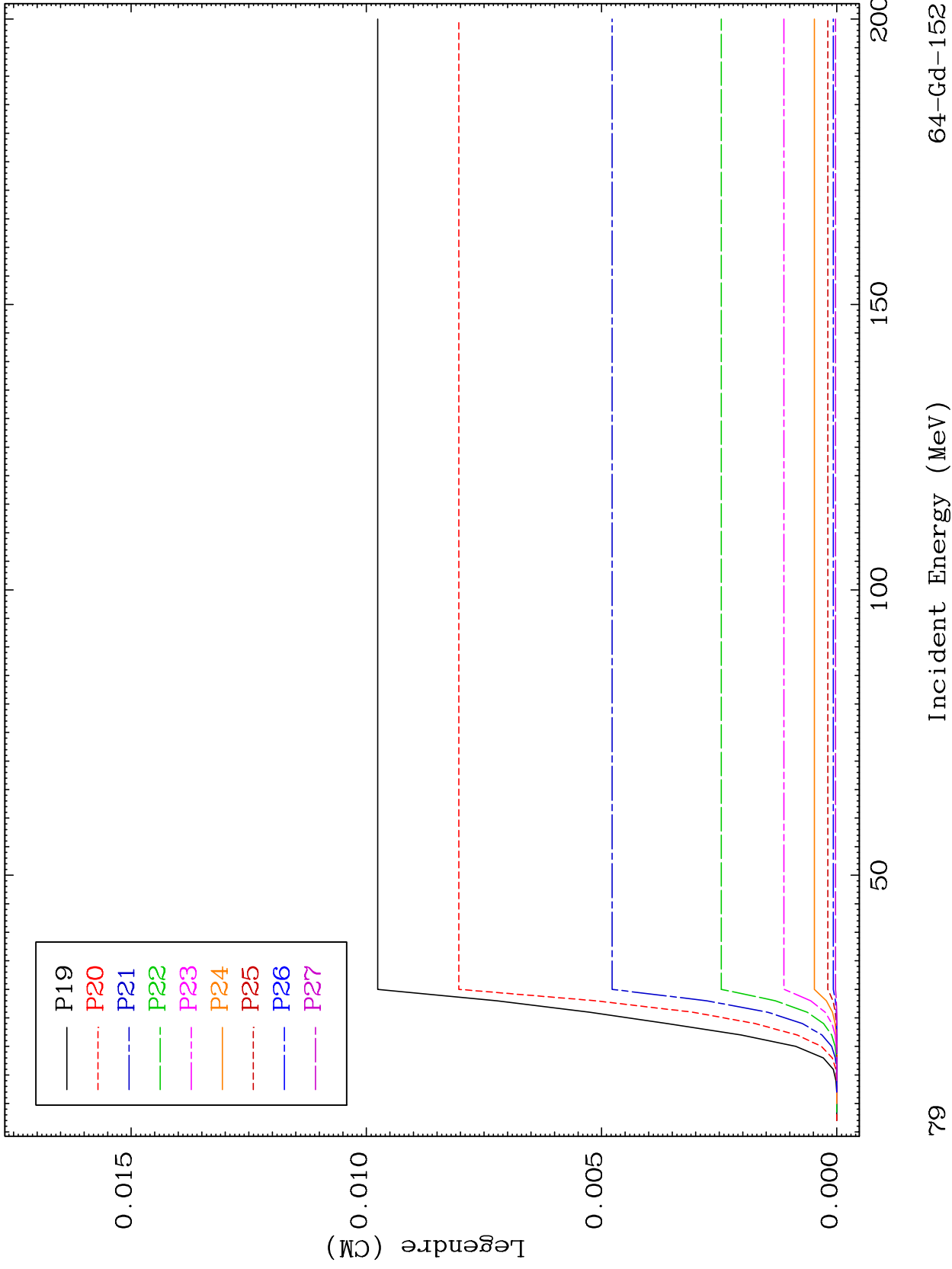
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



79

Incident Energy (MeV)

64-Gd-152

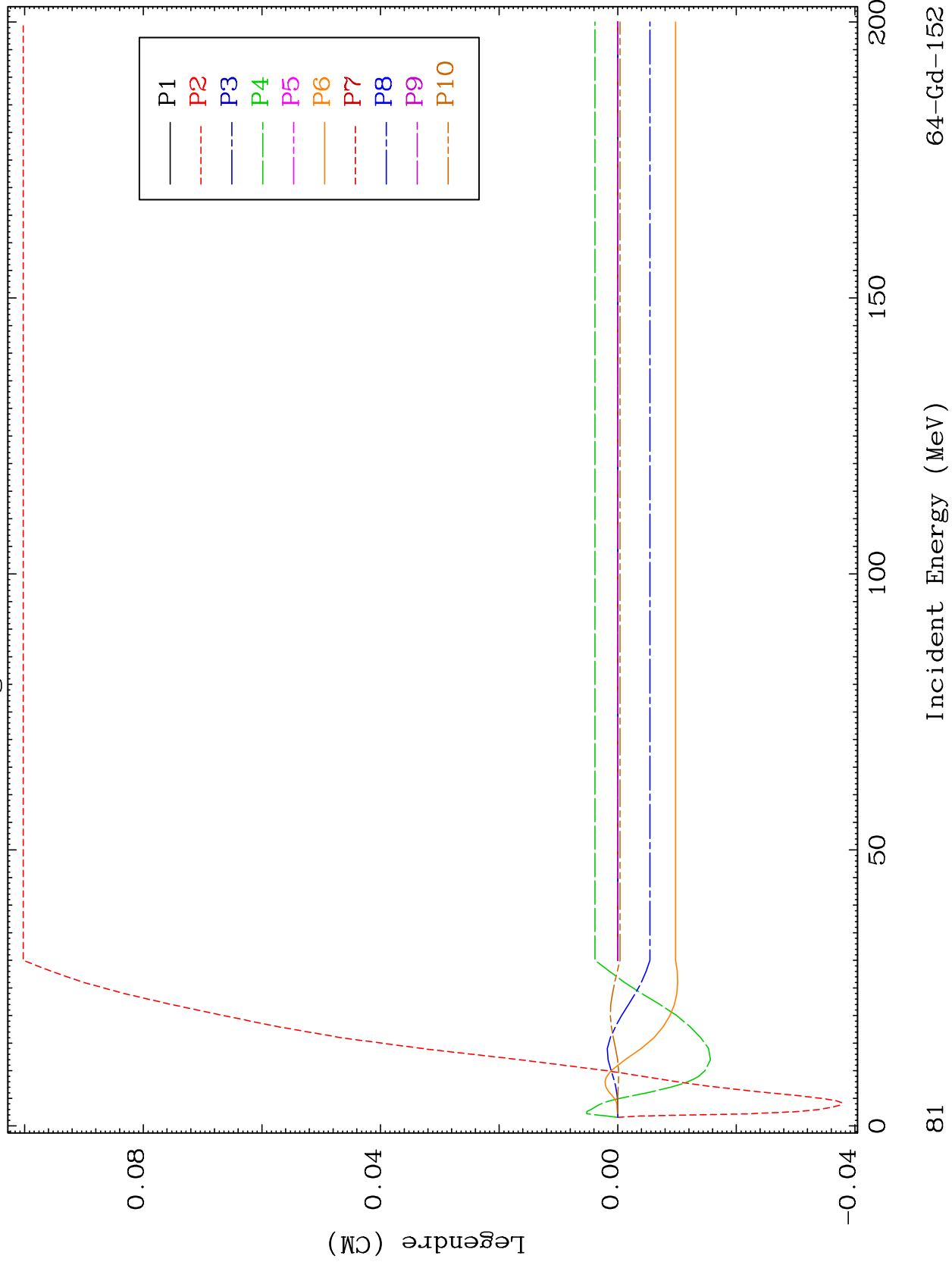




MAT 6425

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

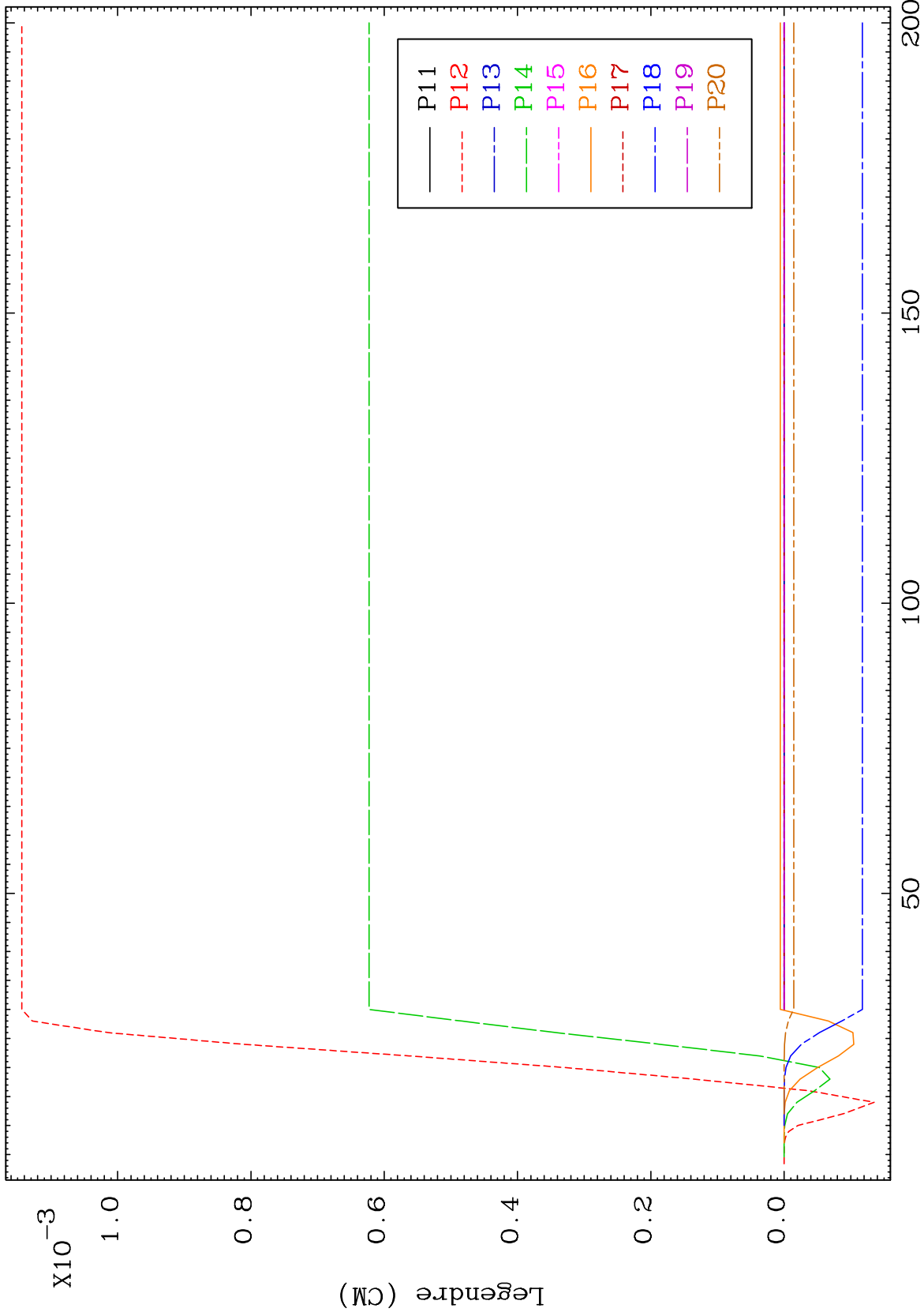
64-Gd-152



MAT 6425

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

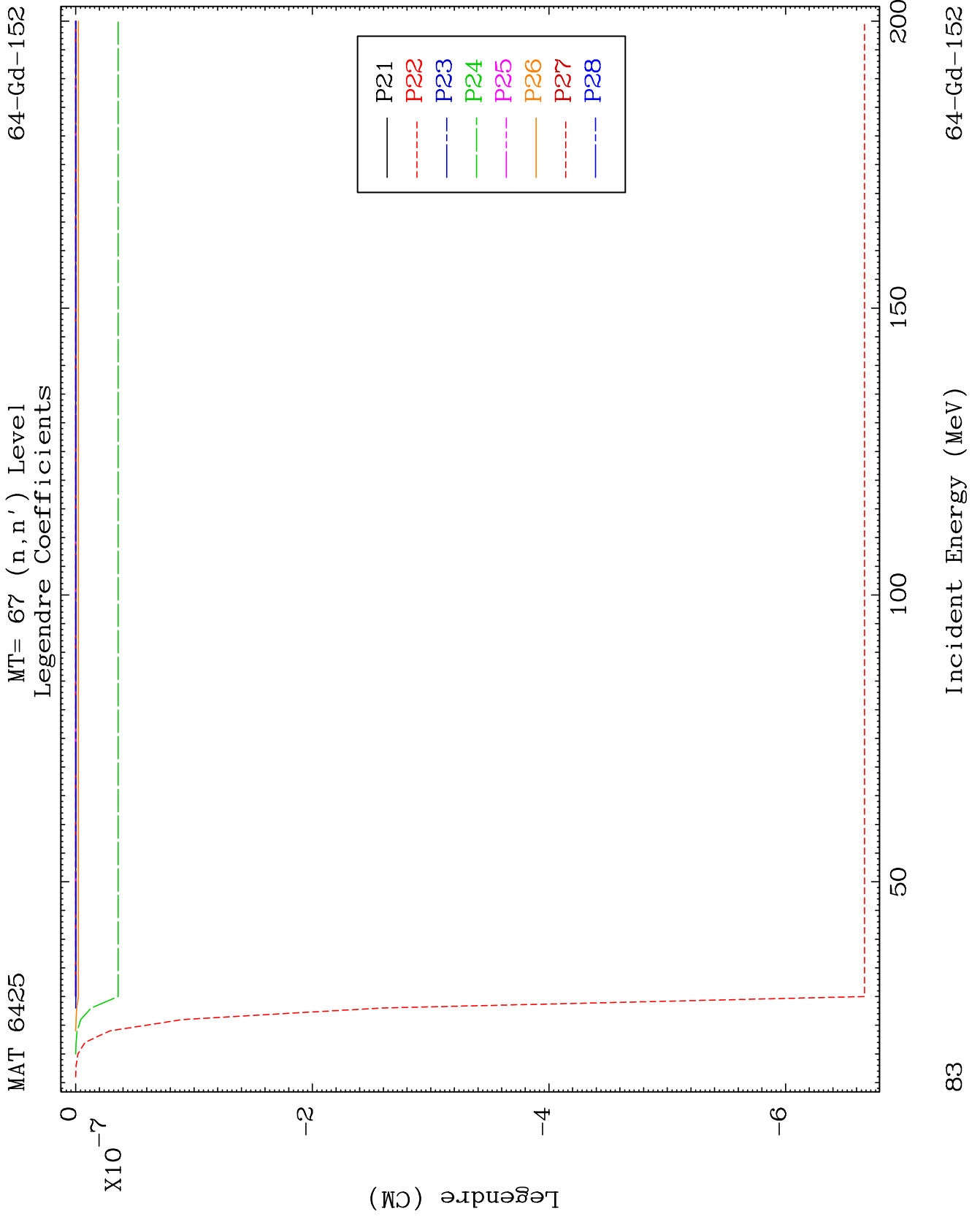
64-Gd-152



82

Incident Energy (MeV)

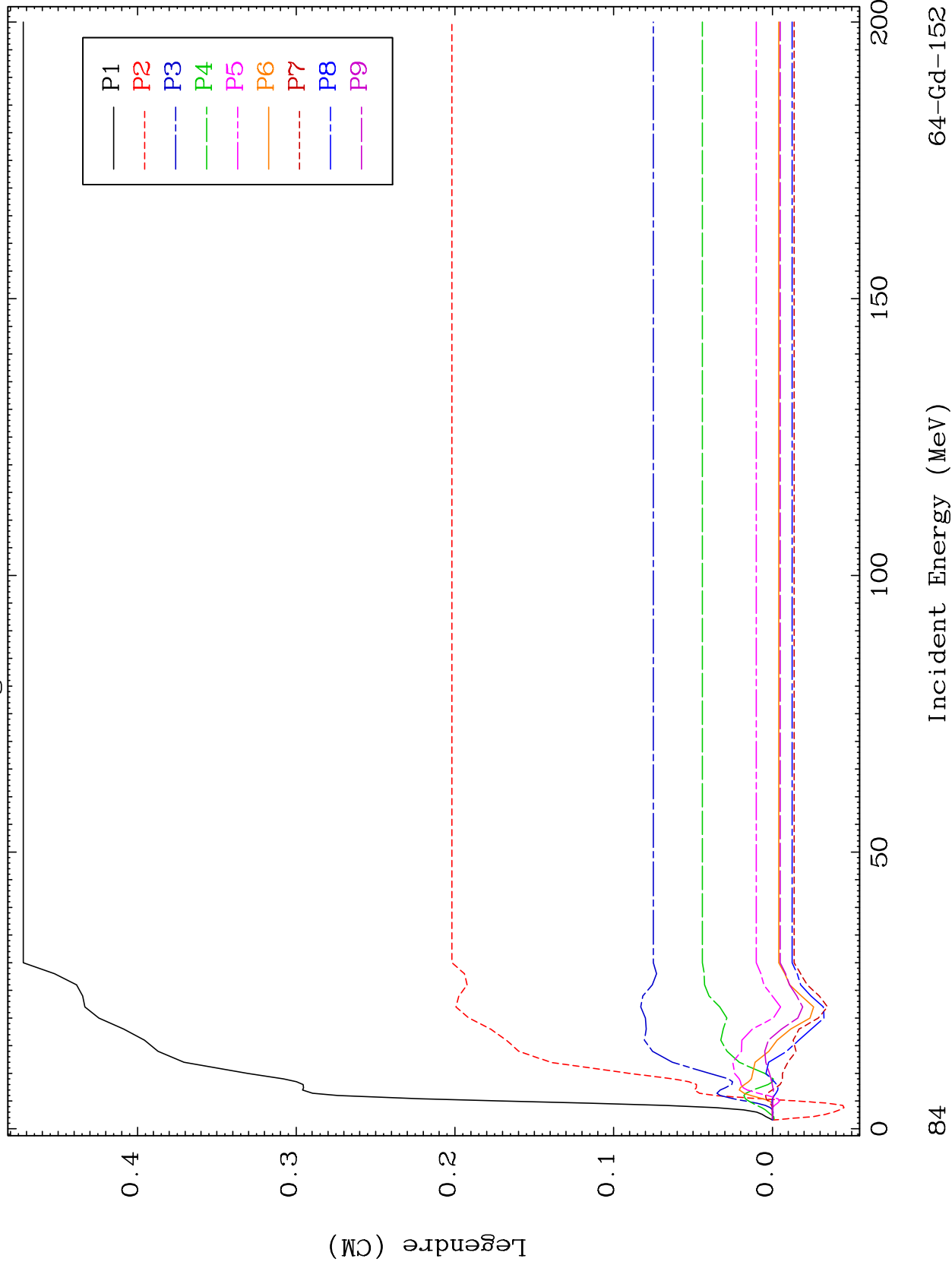
64-Gd-152



MAT 6425

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

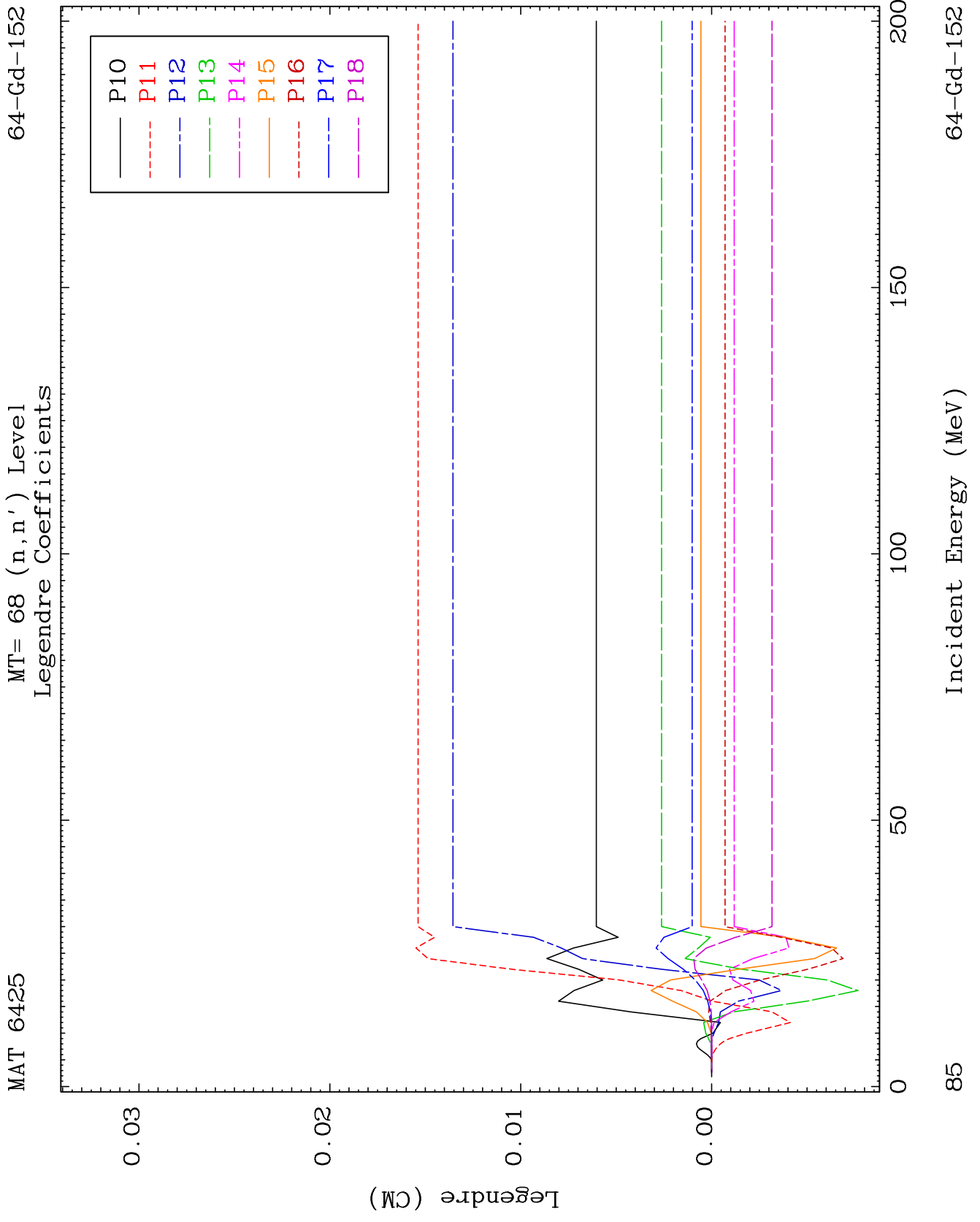
64-Gd-152

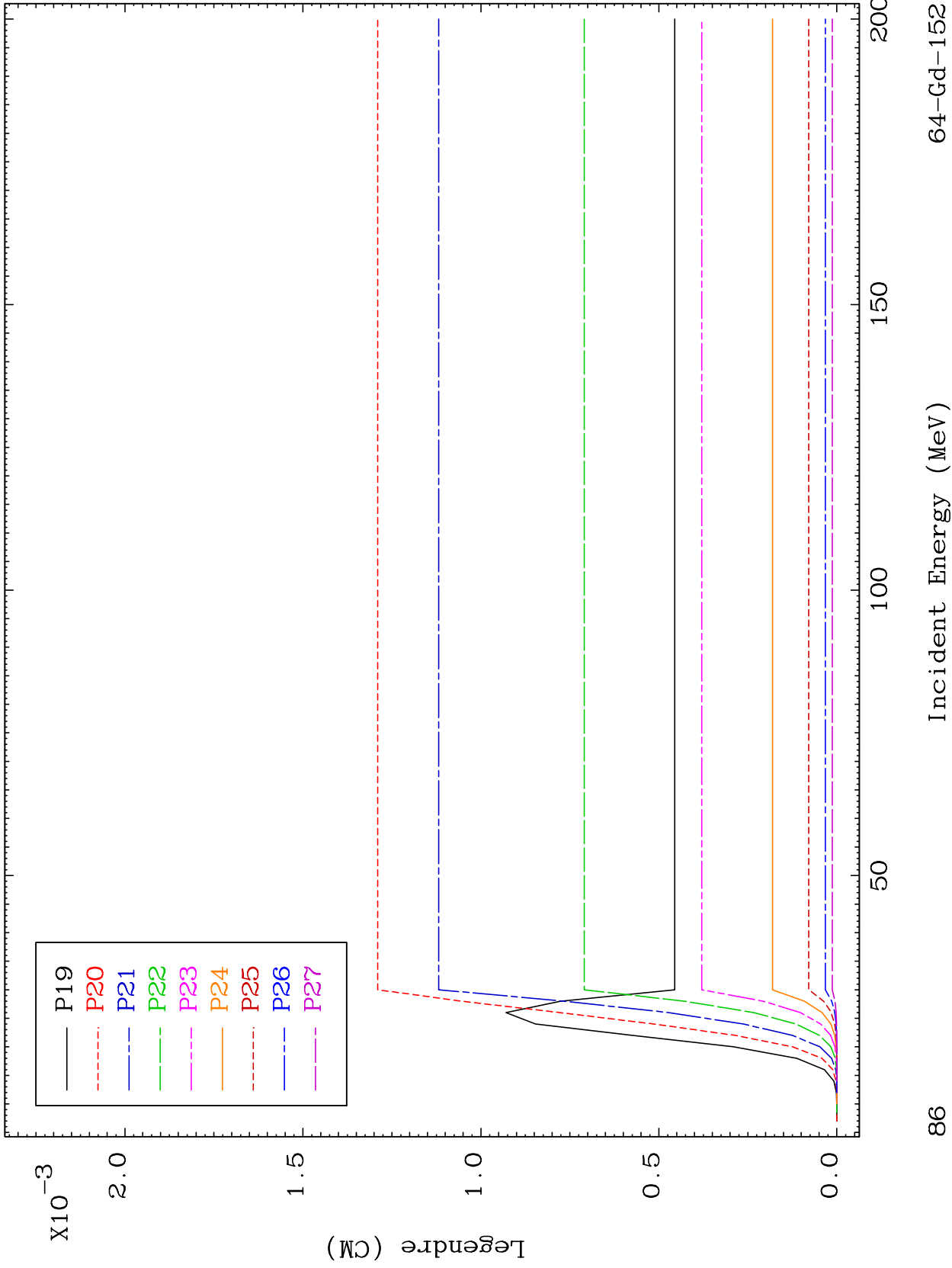


64-Gd-152

Incident Energy (MeV)

84

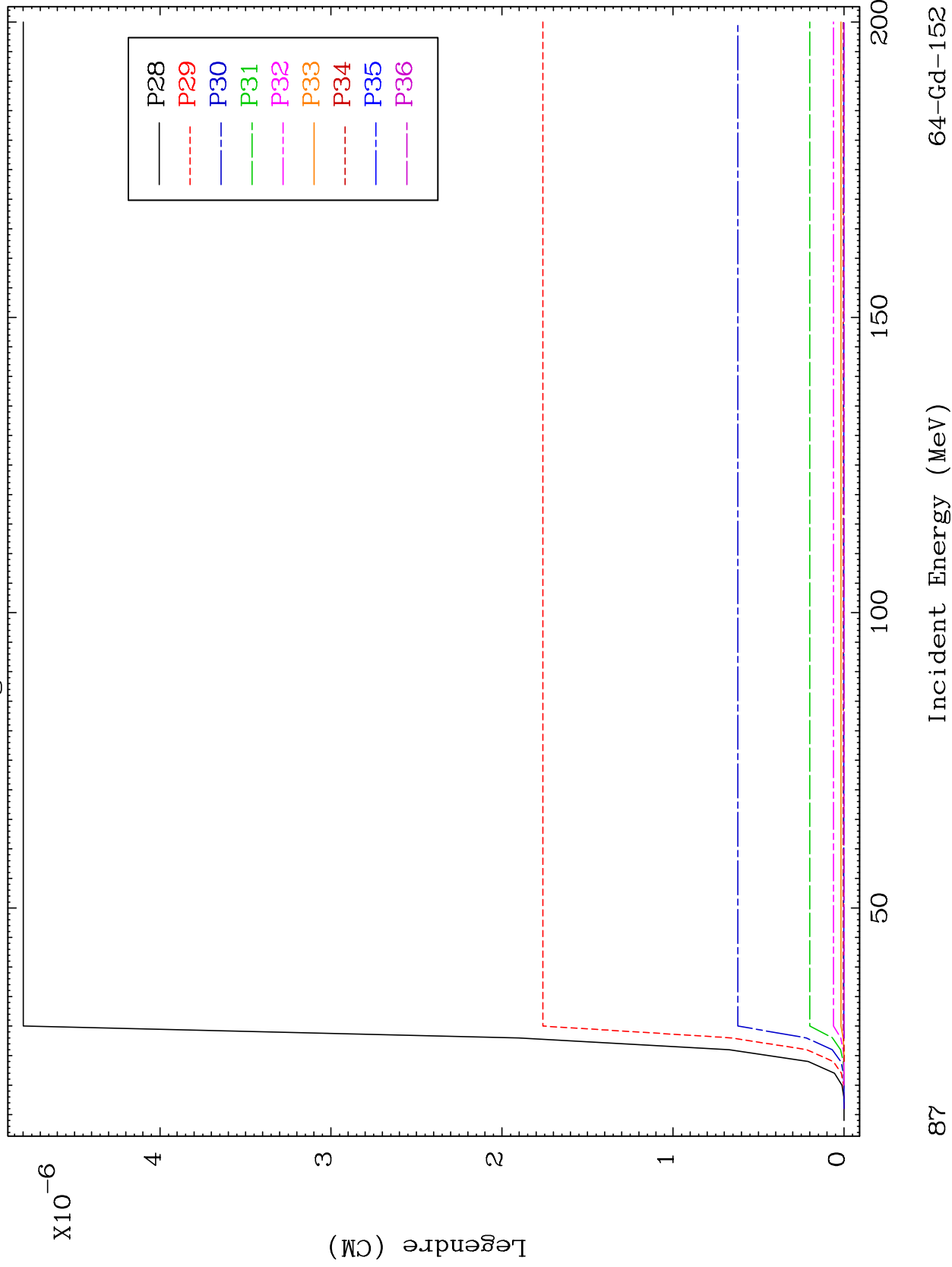




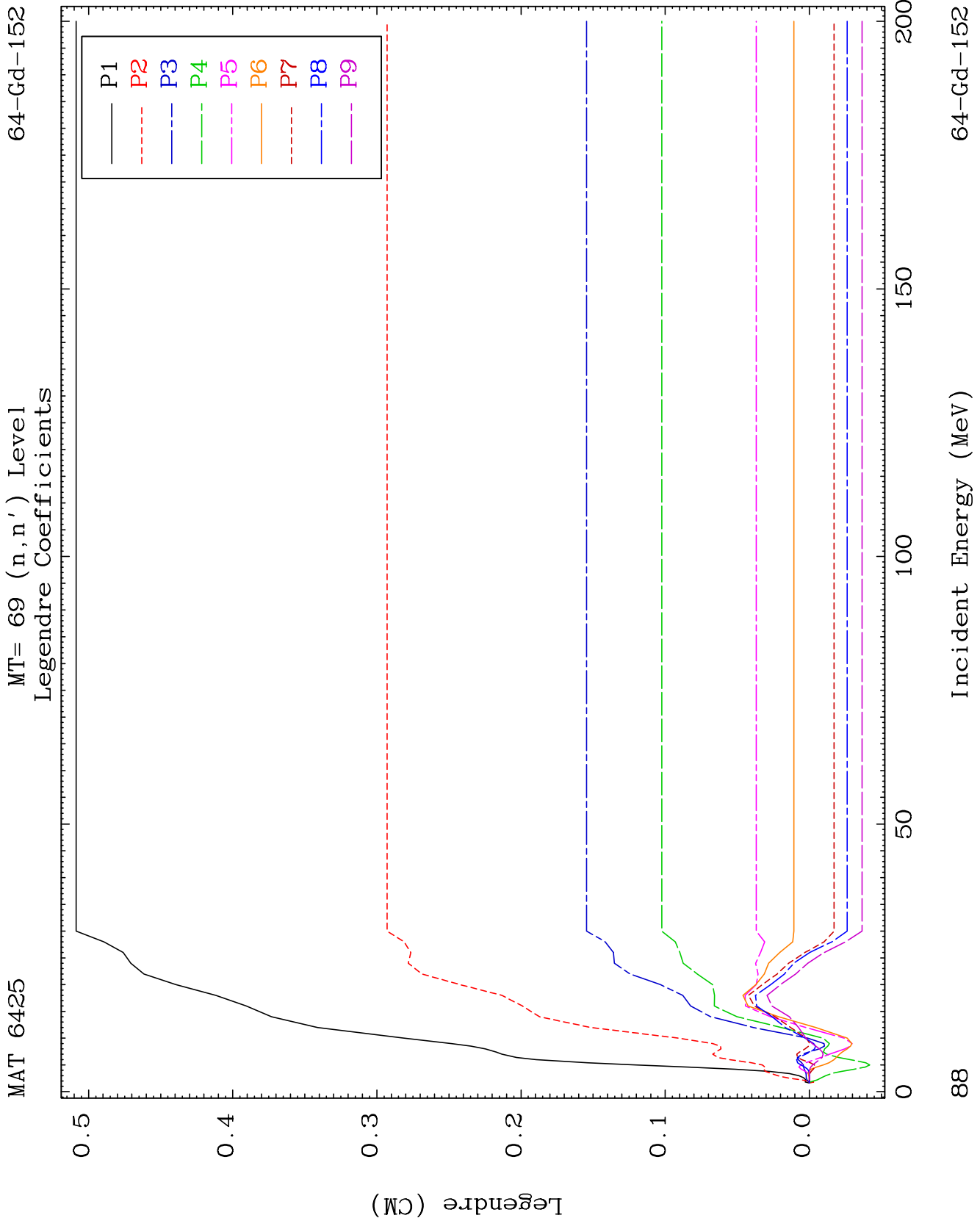
MAT 6425

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

64-Gd-152



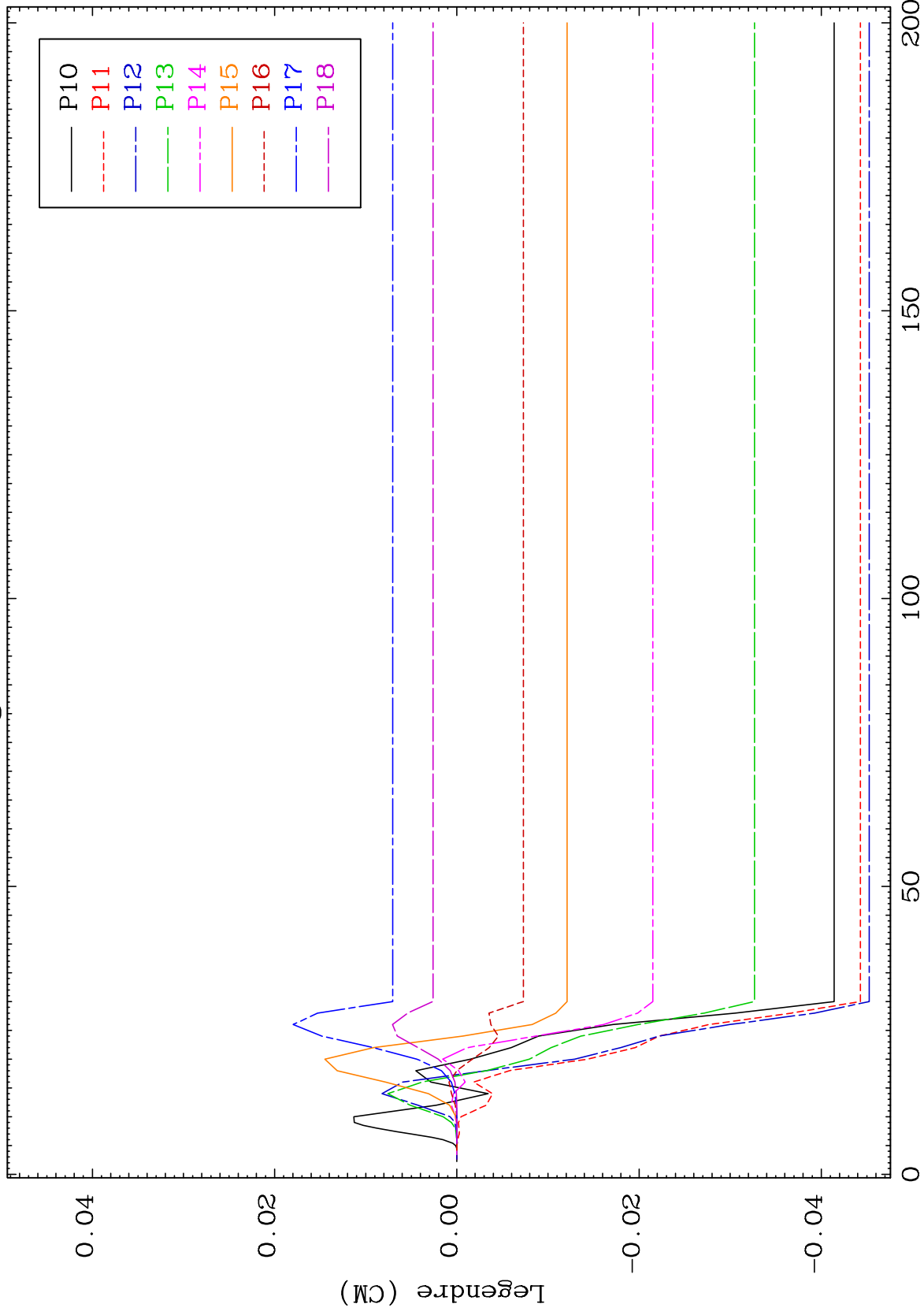




MAT 6425

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

64-Gd-152



89

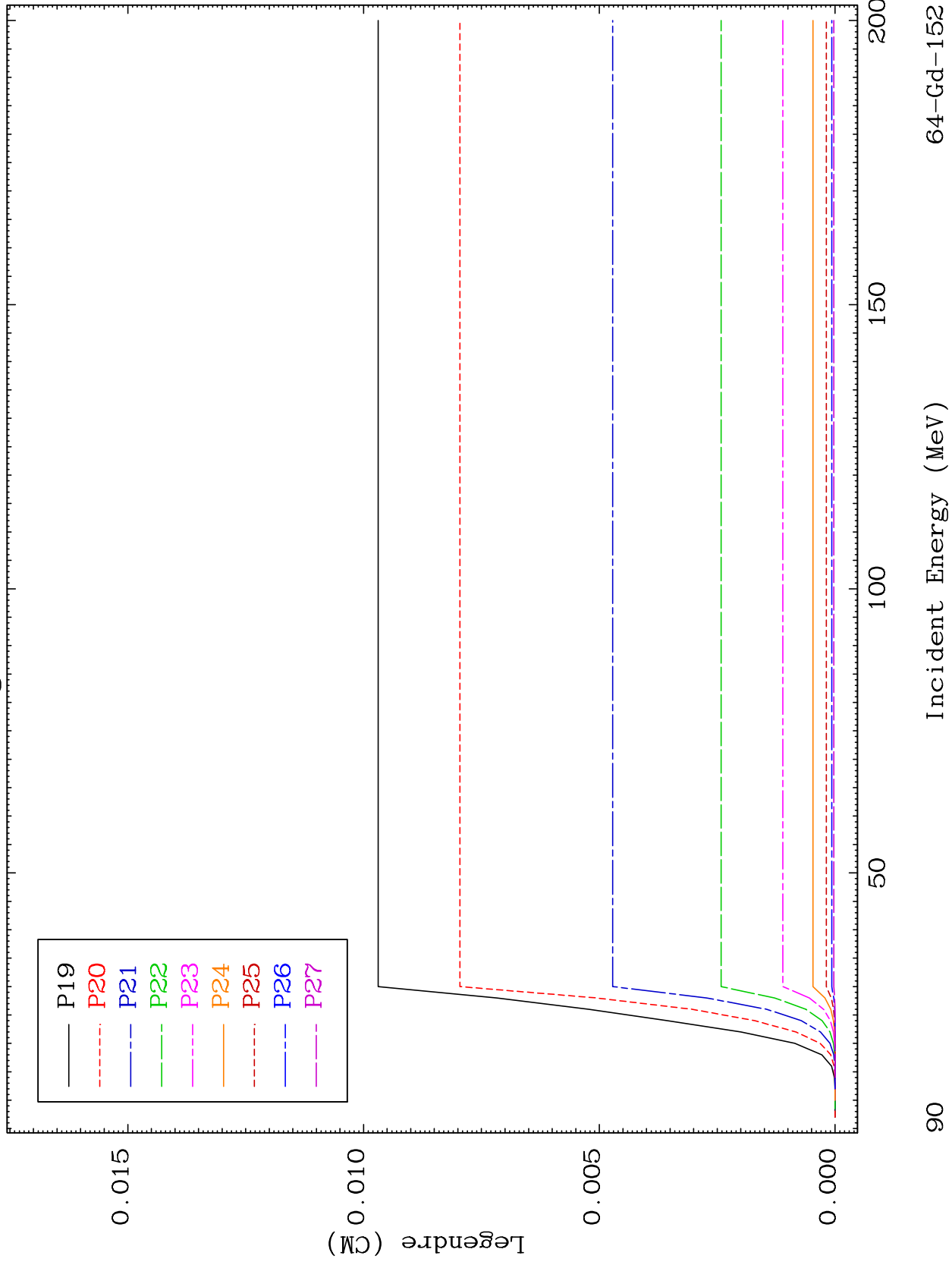
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



90

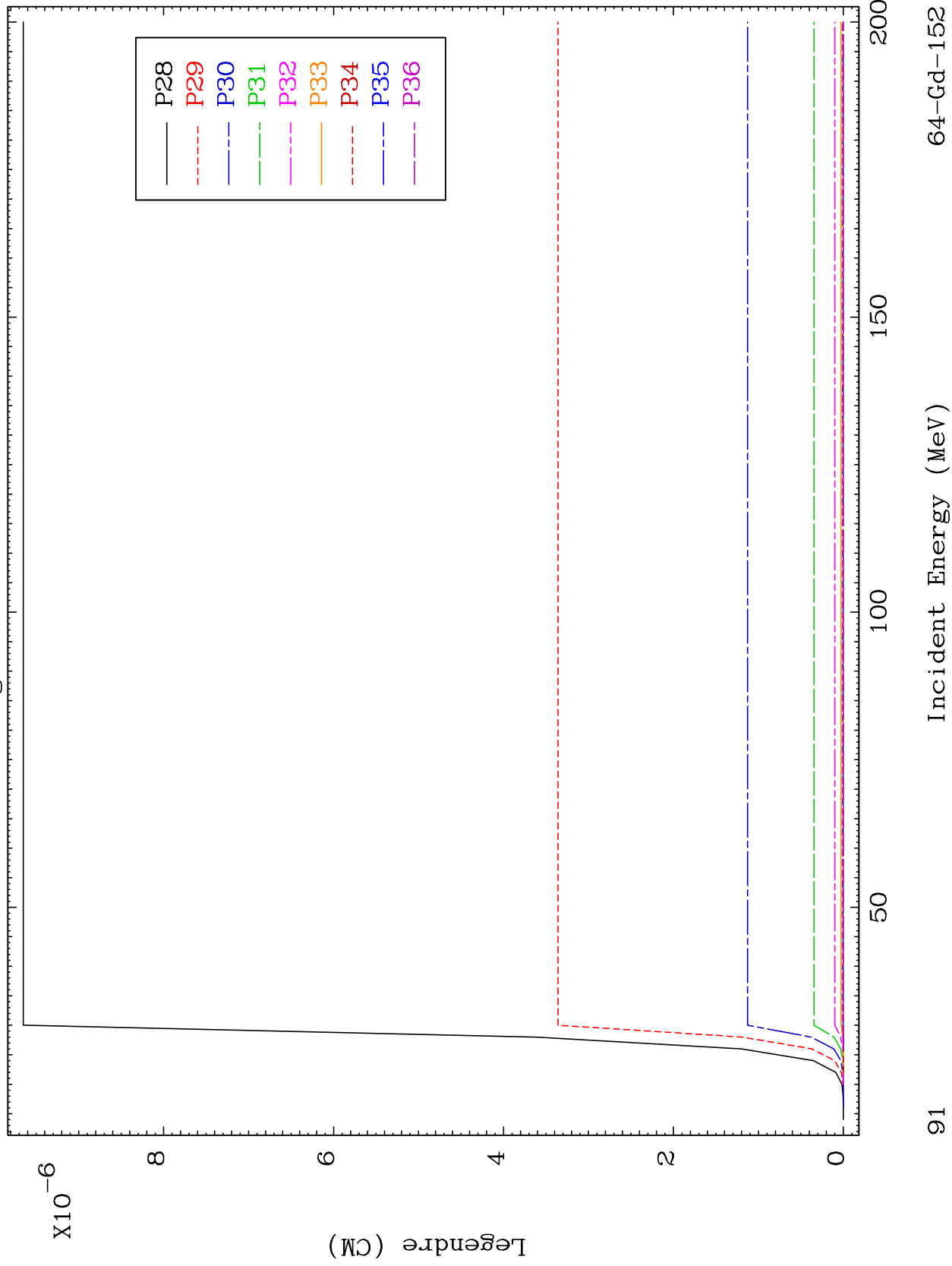
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152

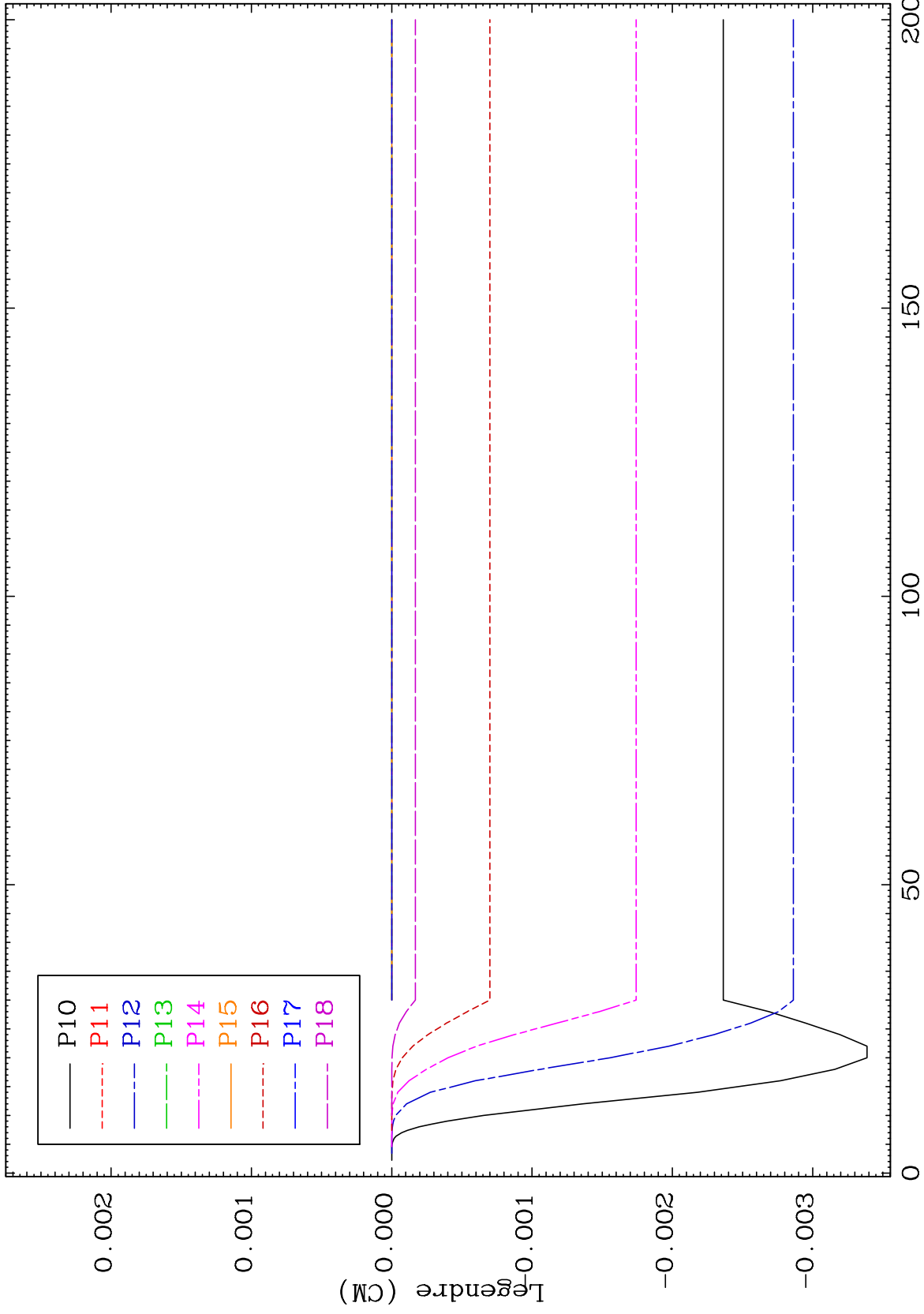




MAT 6425

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

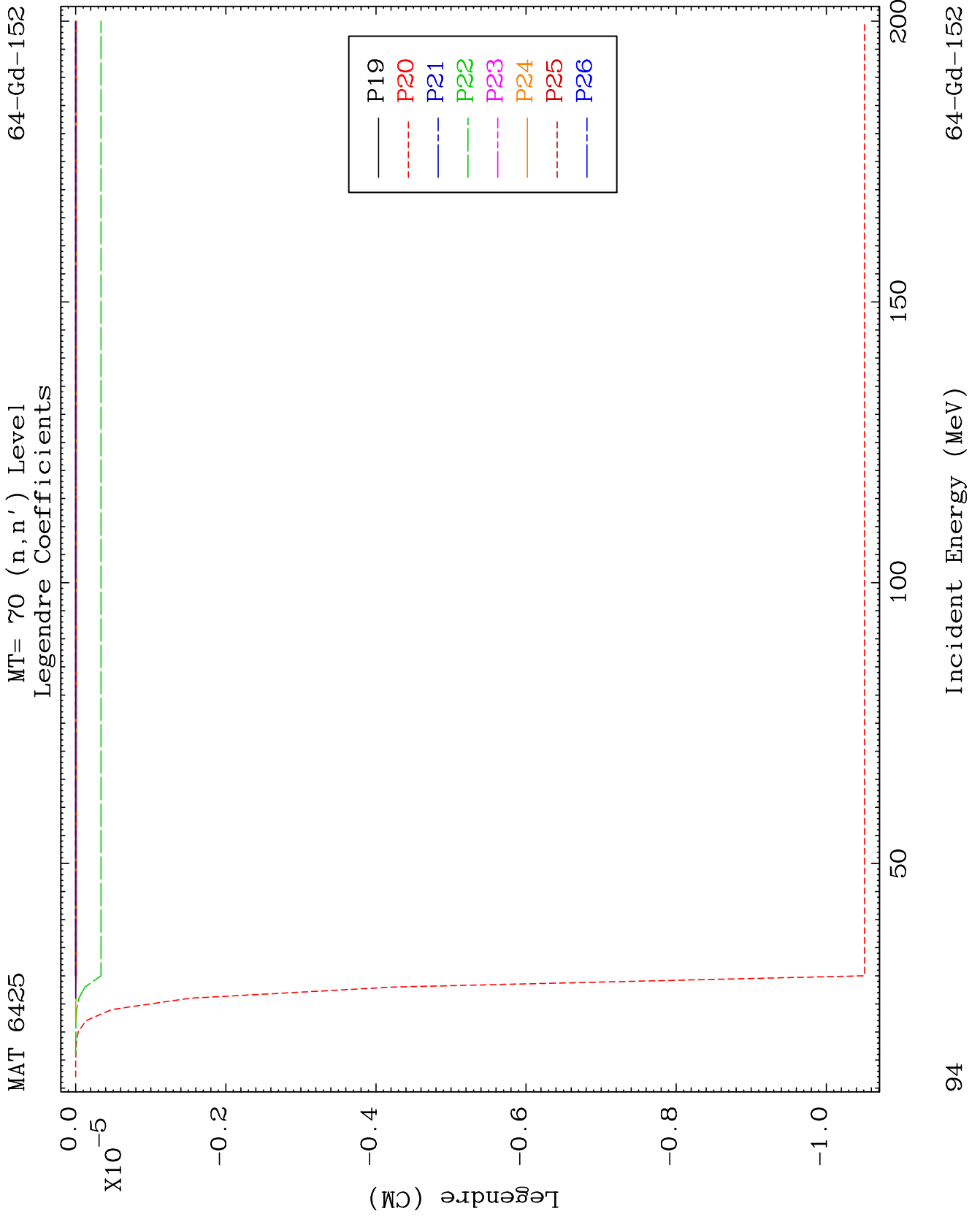
64-Gd-152



93

Incident Energy (MeV)

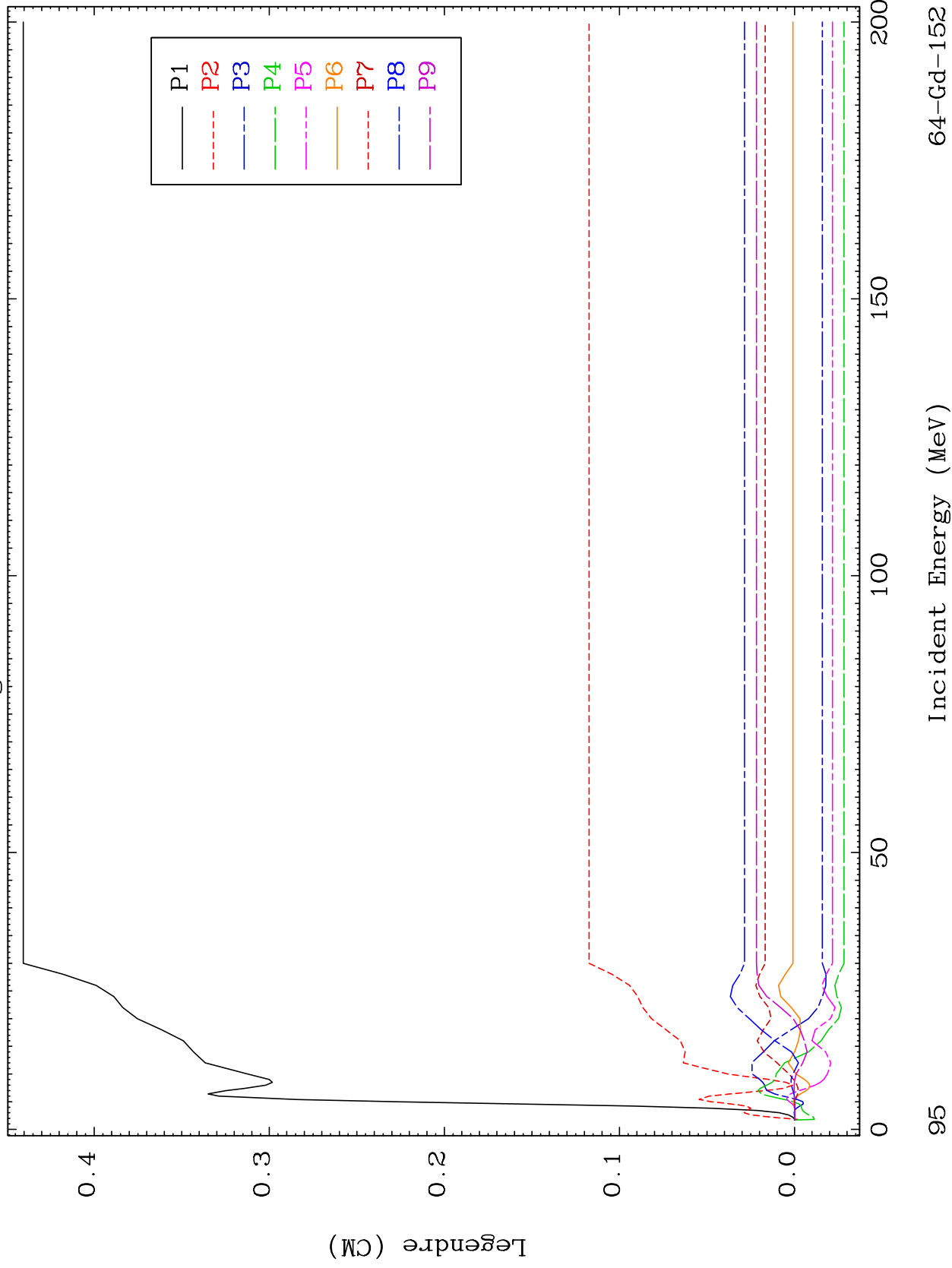
64-Gd-152



MAT 6425

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

64-Gd-152



64-Gd-152

Incident Energy (MeV)

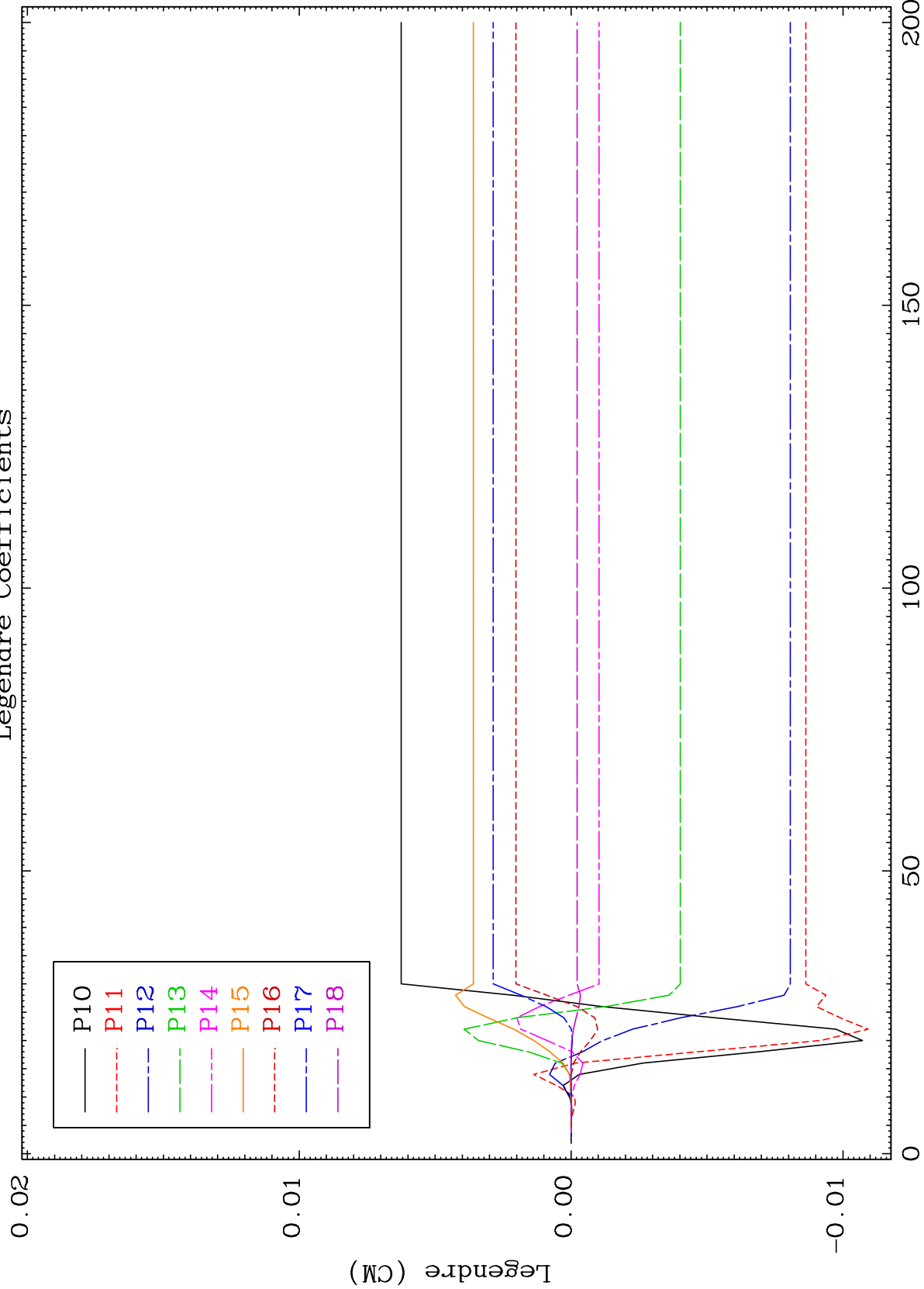
95



MAT 6425

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

64-Gd-152



96

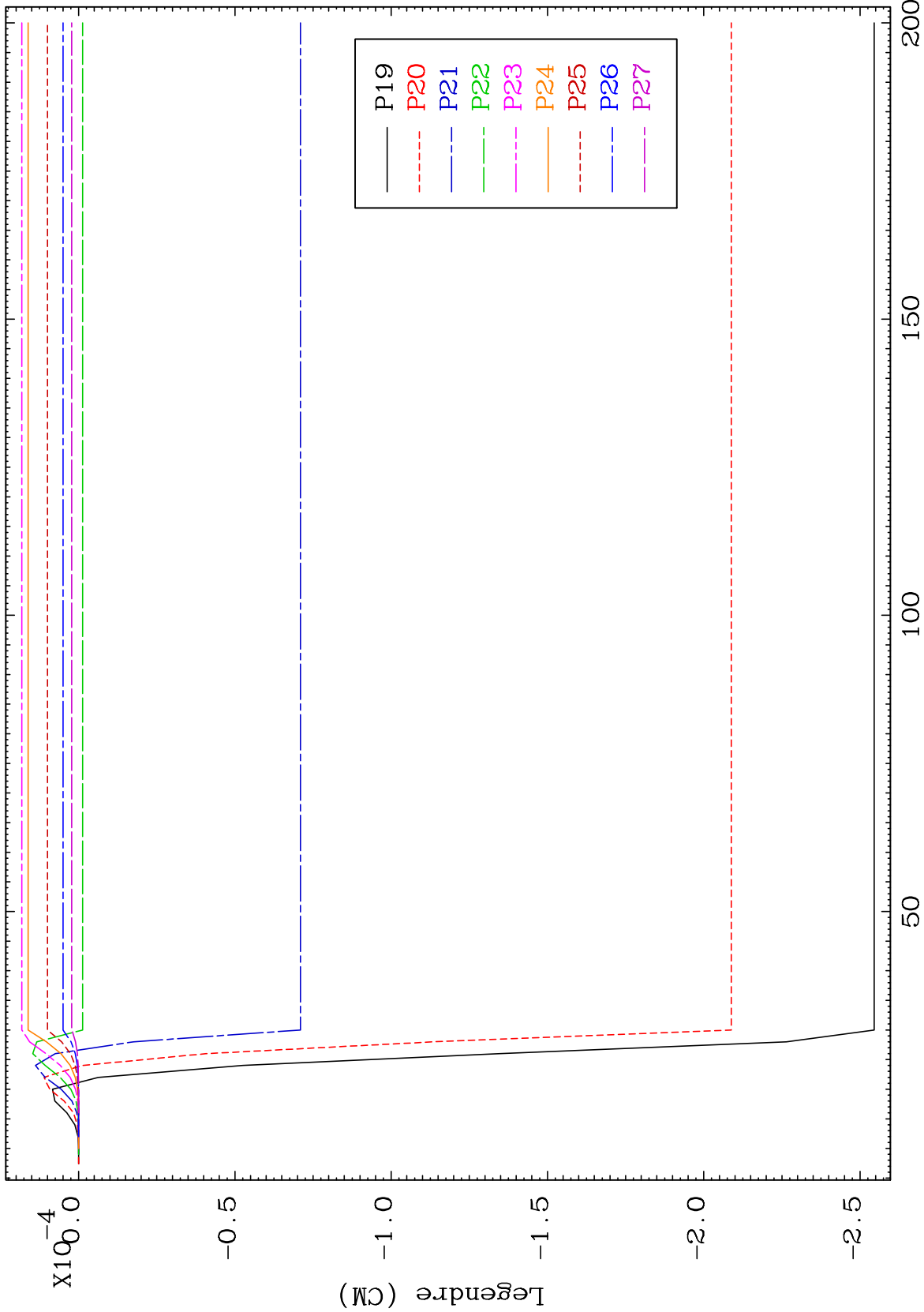
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

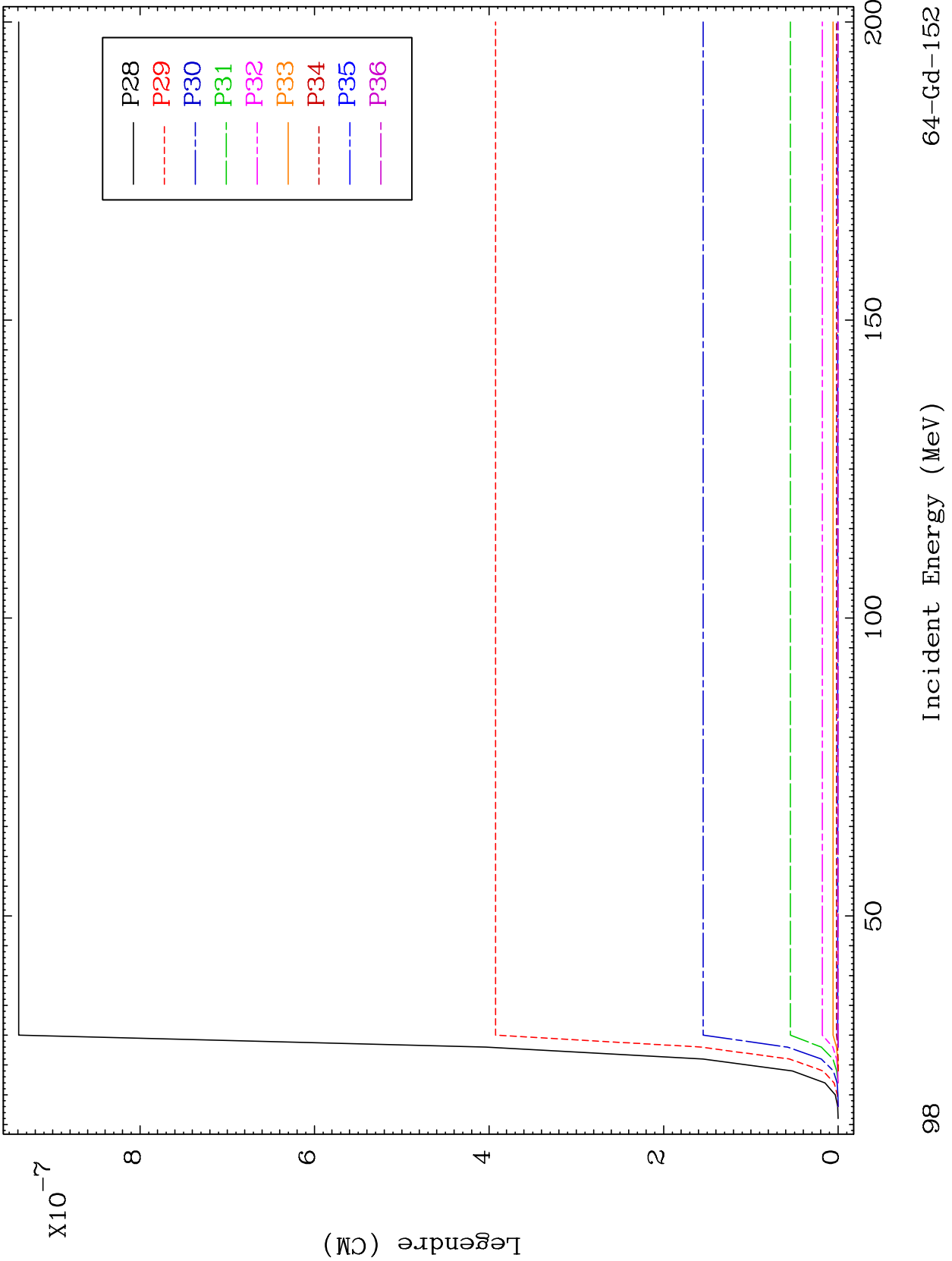
64-Gd-152



MAT 6425

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

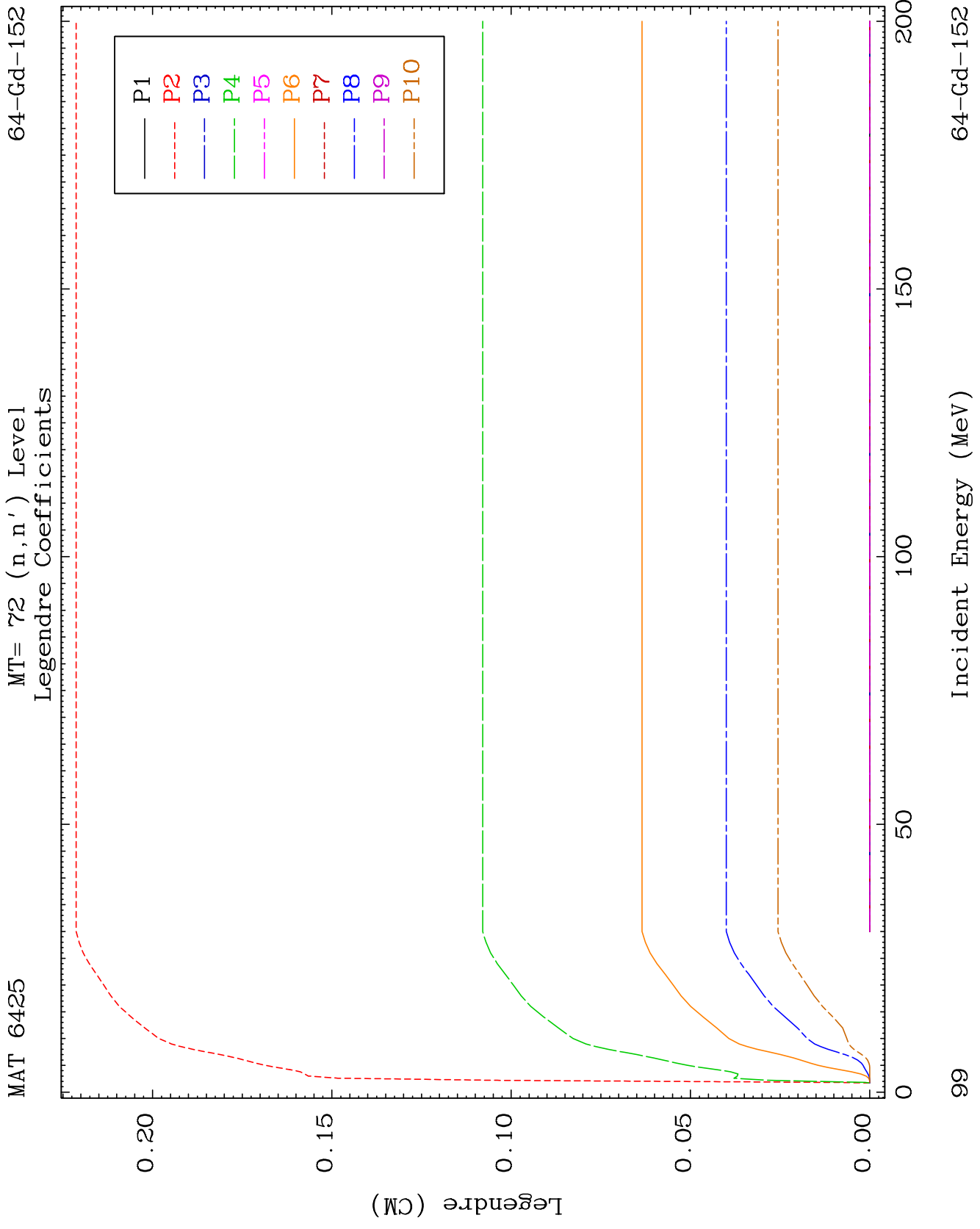
64-Gd-152



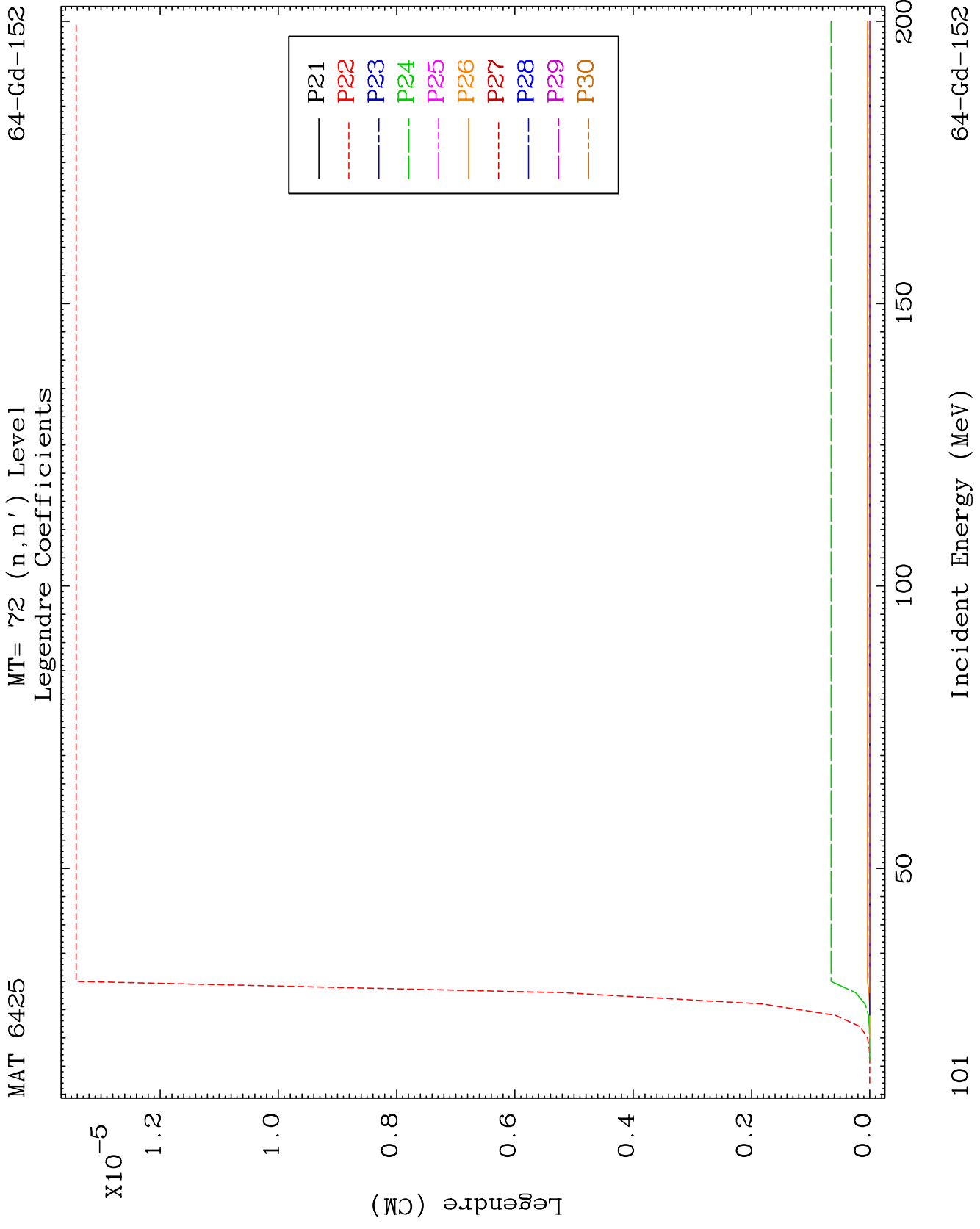
98

Incident Energy (MeV)

64-Gd-152





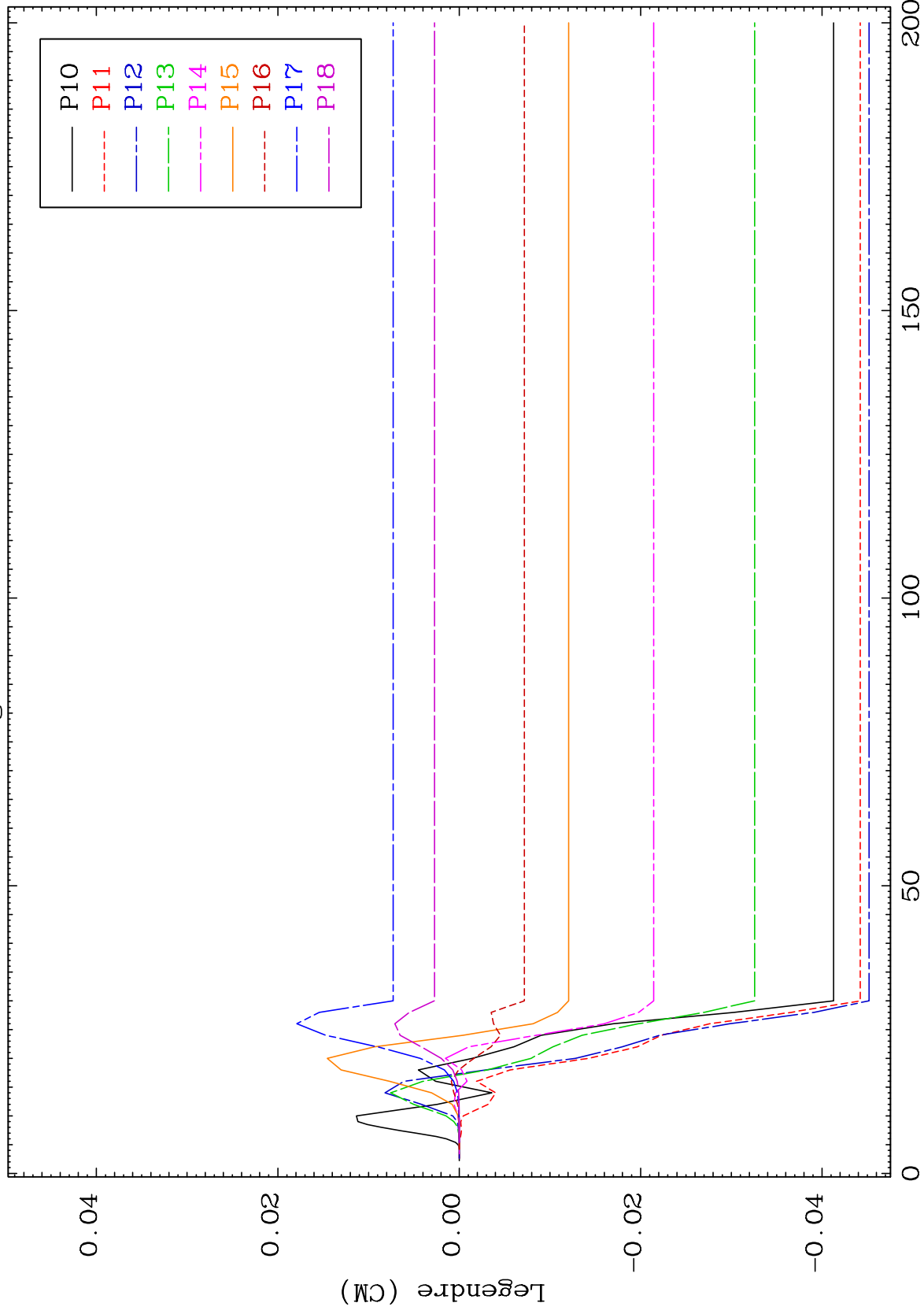




MAT 6425

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

64-Gd-152



103

Incident Energy (MeV)

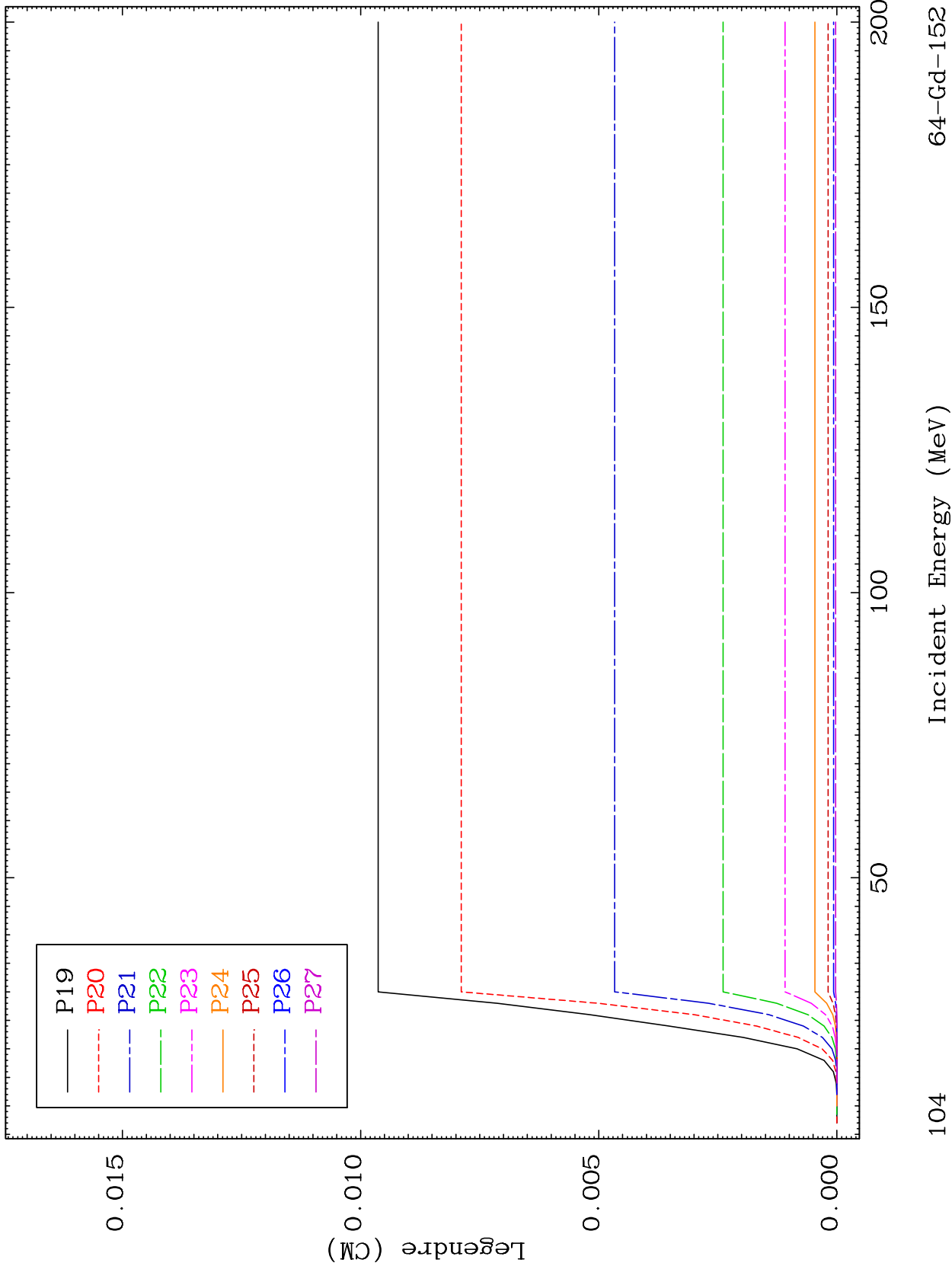
64-Gd-152



MAT 6425

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

64-Gd-152



104

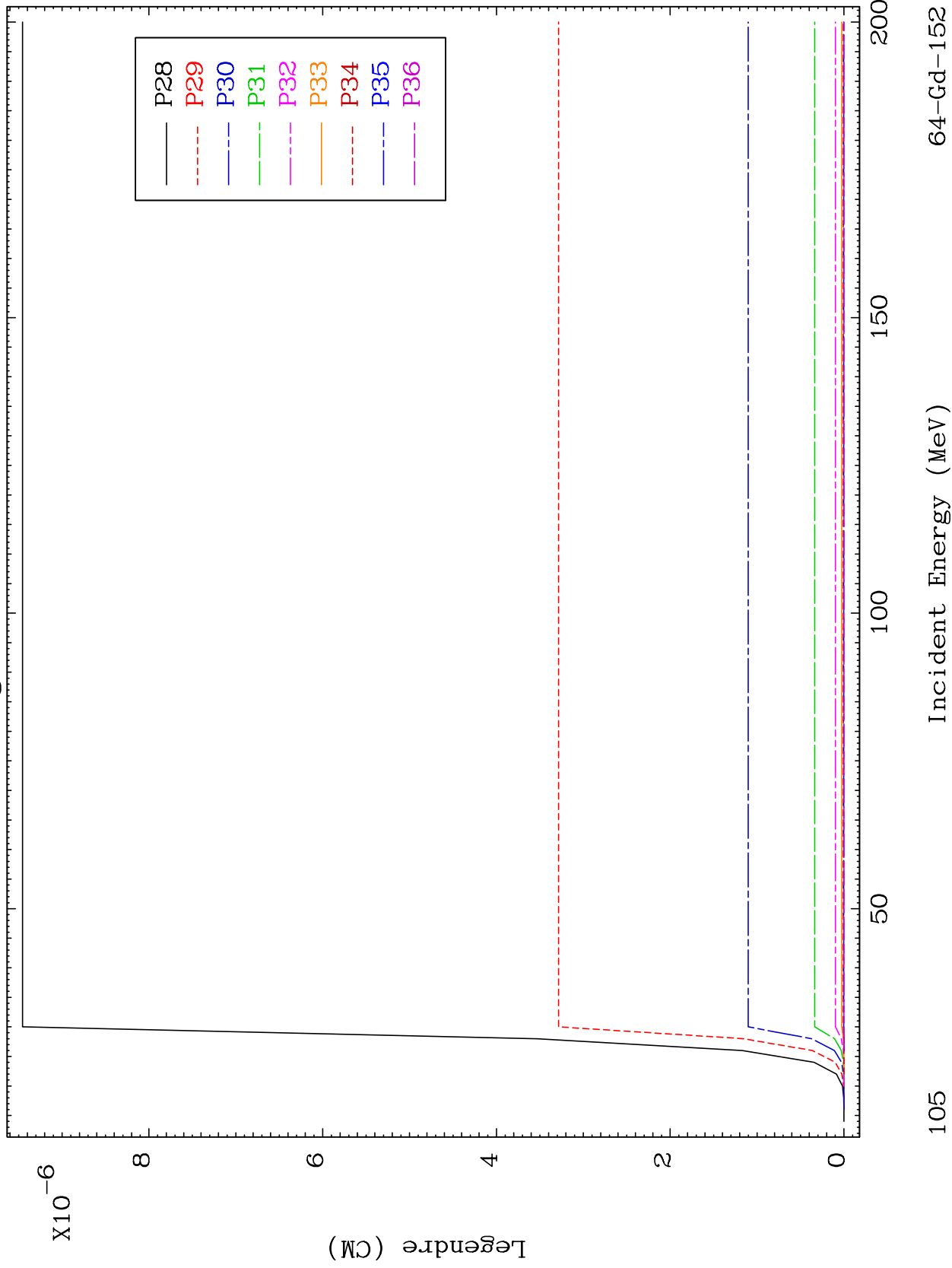
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

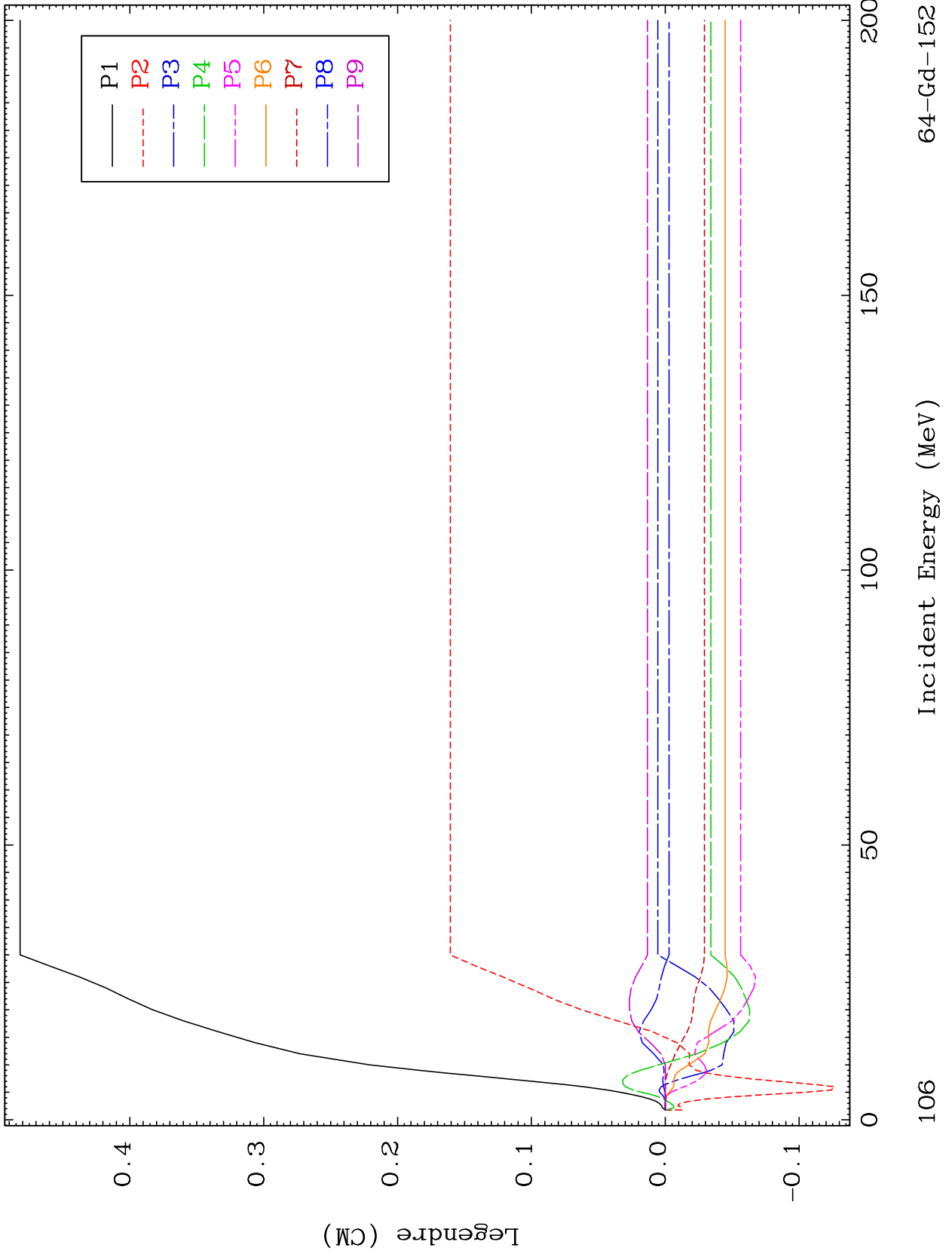
64-Gd-152



MAT 6425

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

64-Gd-152



64-Gd-152

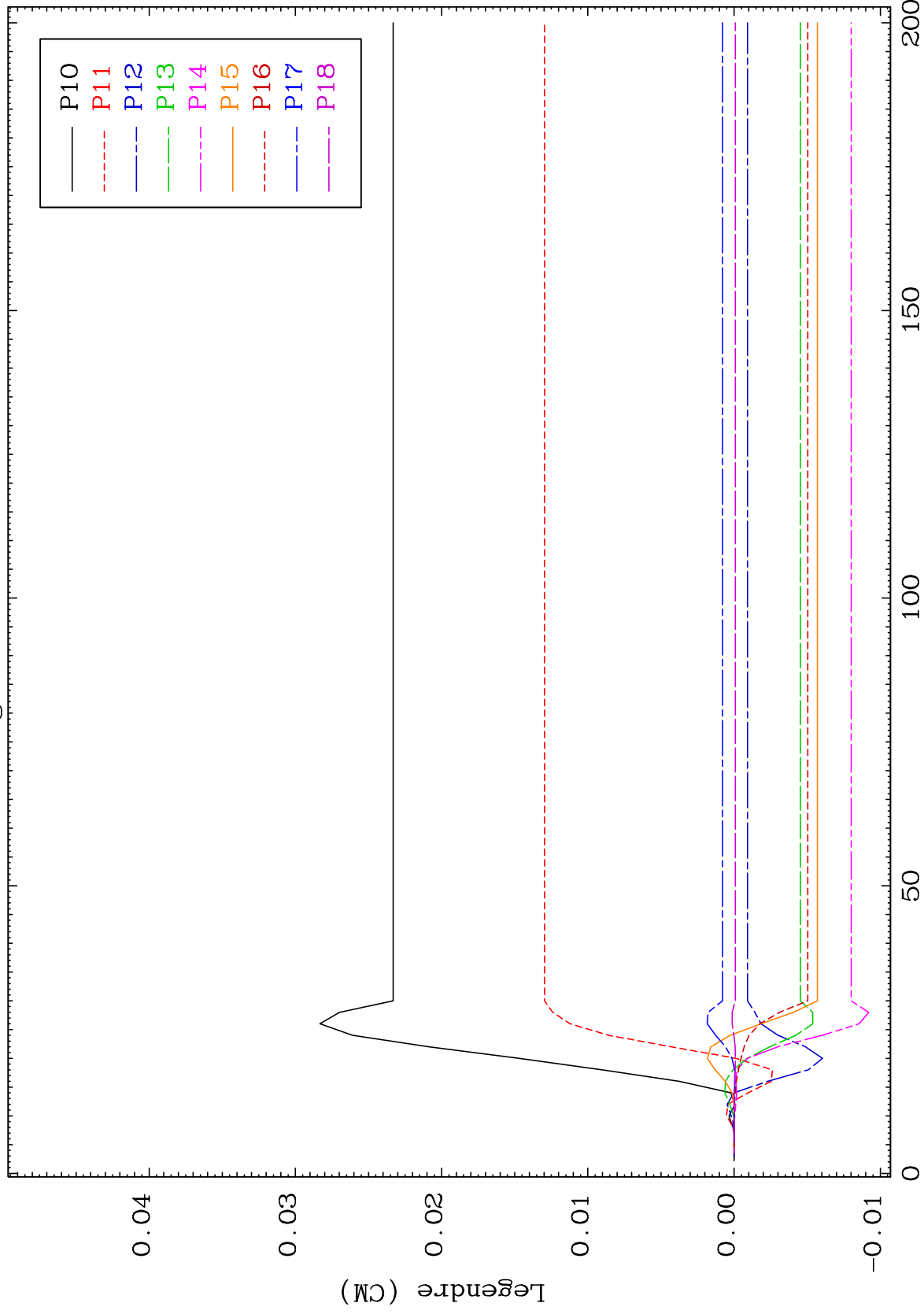
Incident Energy (MeV)

106

MAT 6425

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

64-Gd-152



107

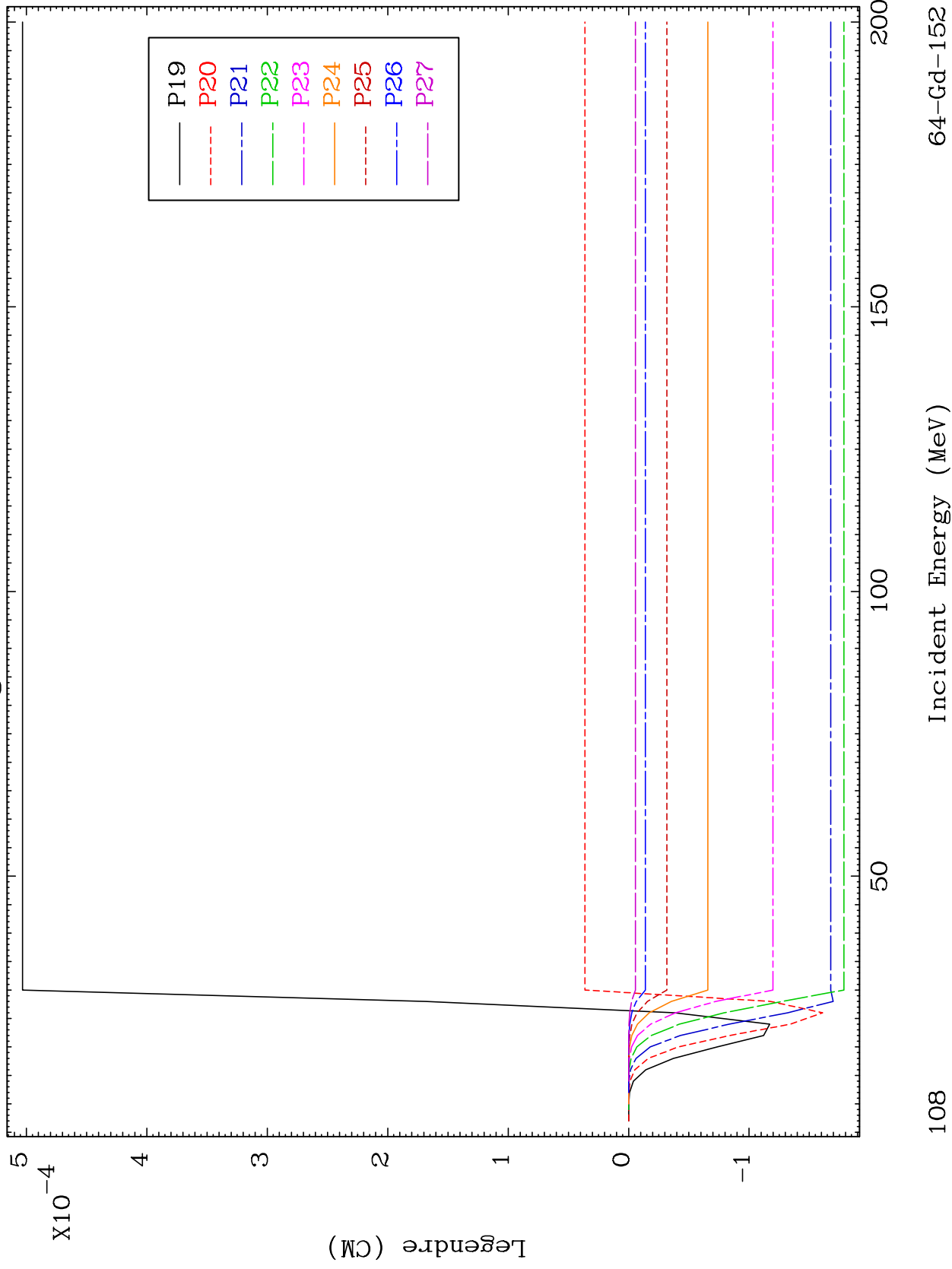
Incident Energy (MeV)

64-Gd-152

MAT 6425

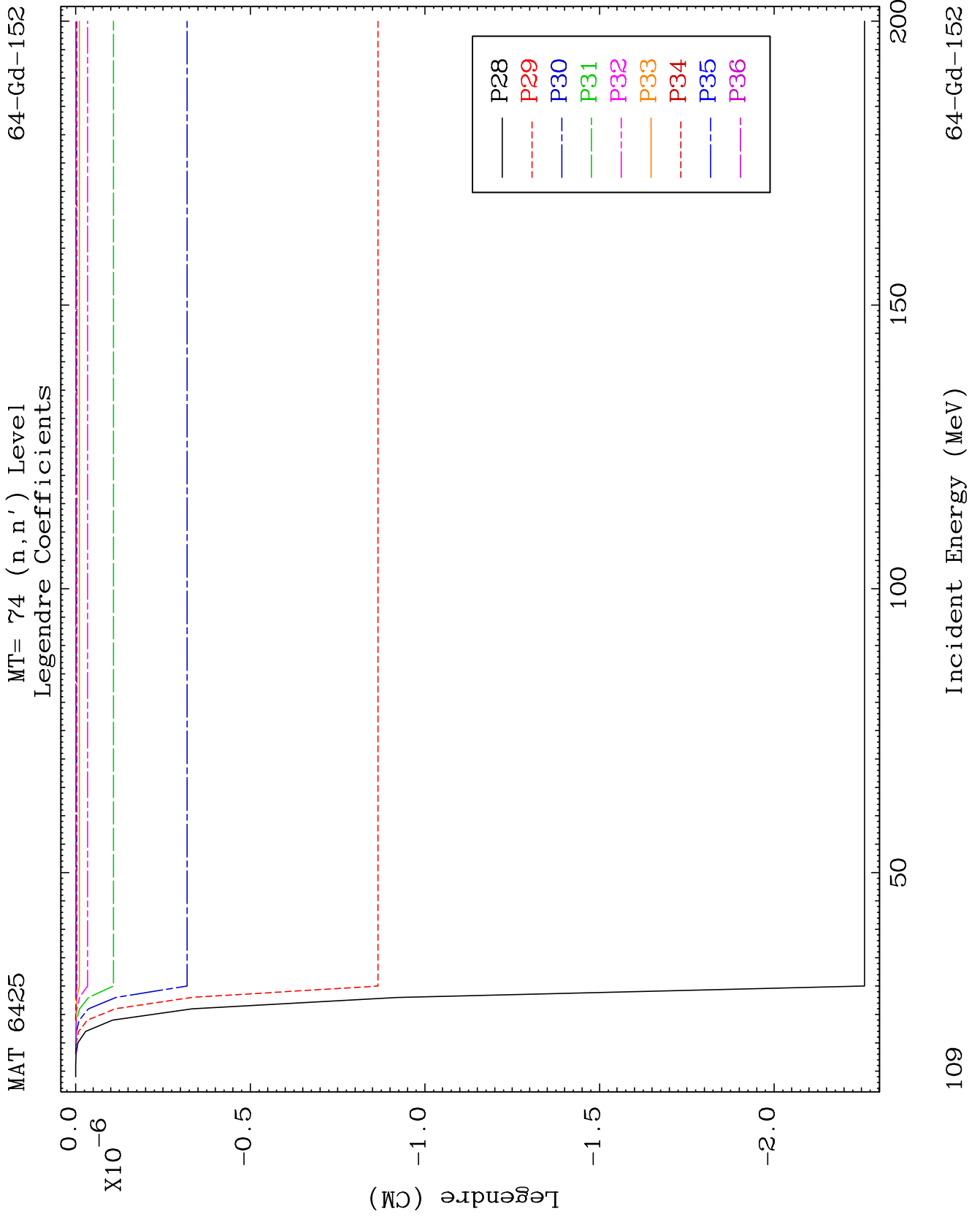
MT= 74 (n,n') Level  
Legendre Coefficients

64-Gd-152



108

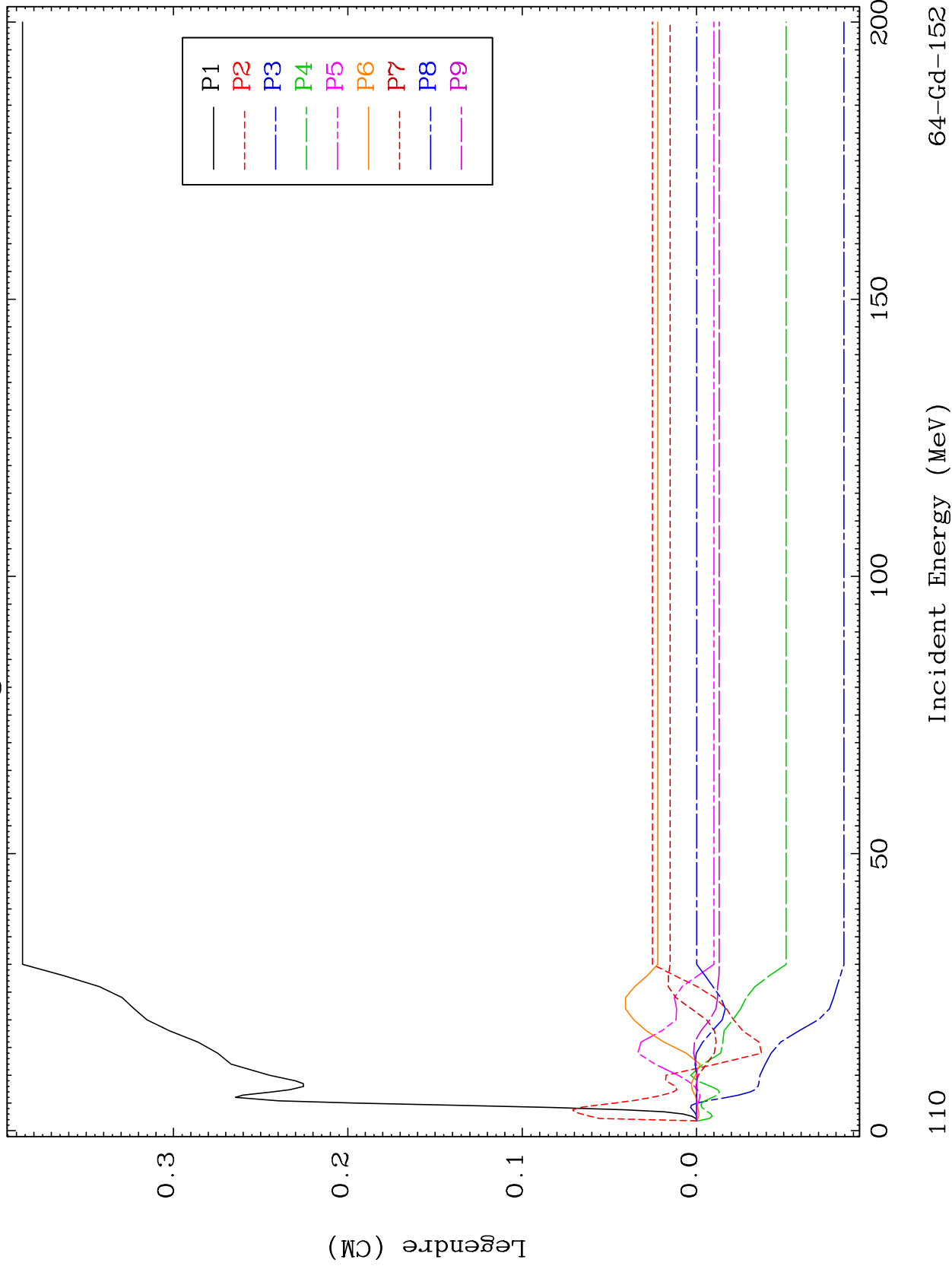
64-Gd-152



MAT 6425

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

64-Gd-152



64-Gd-152

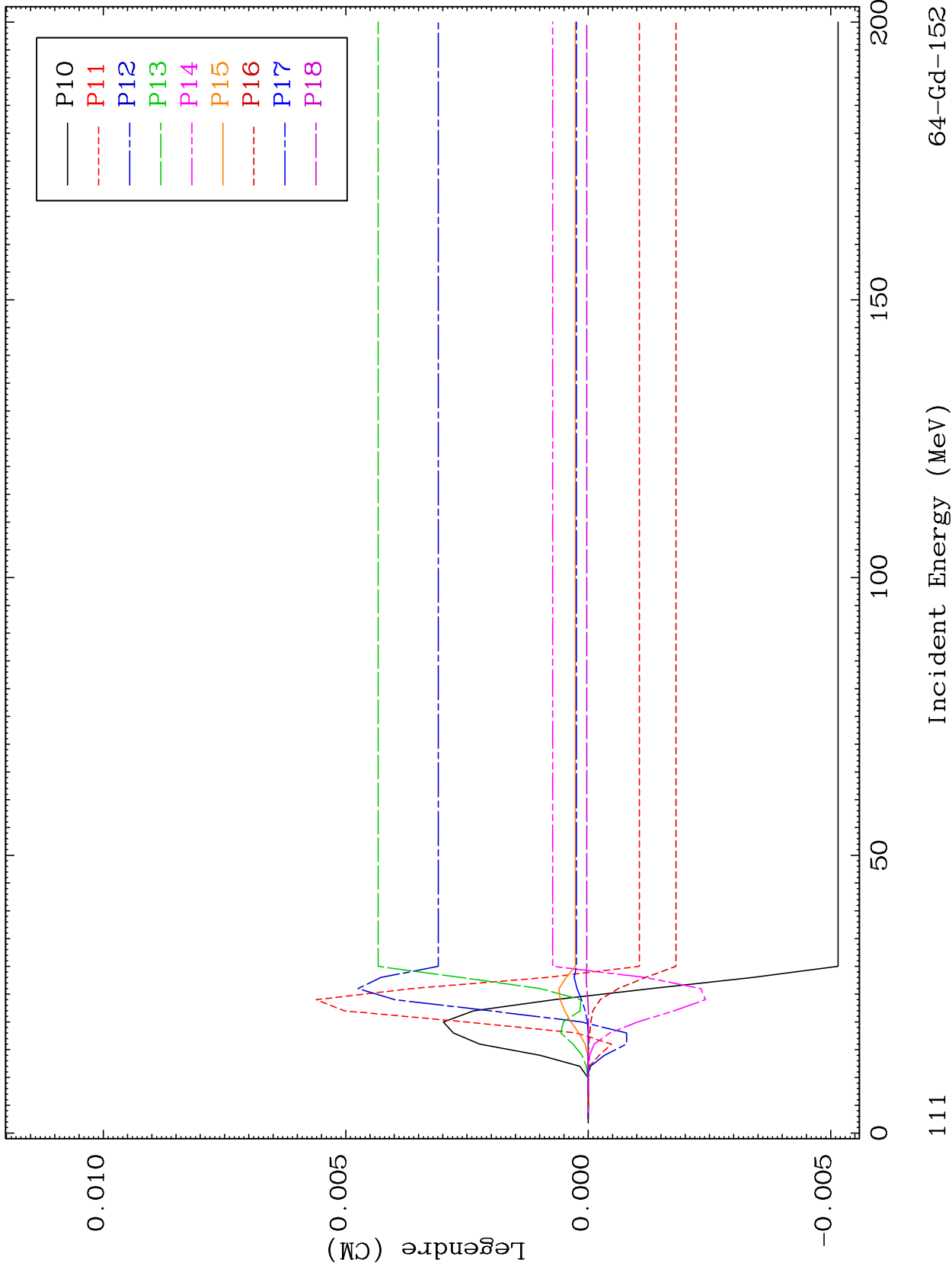
Incident Energy (MeV)

110

MAT 6425

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

64-Gd-152

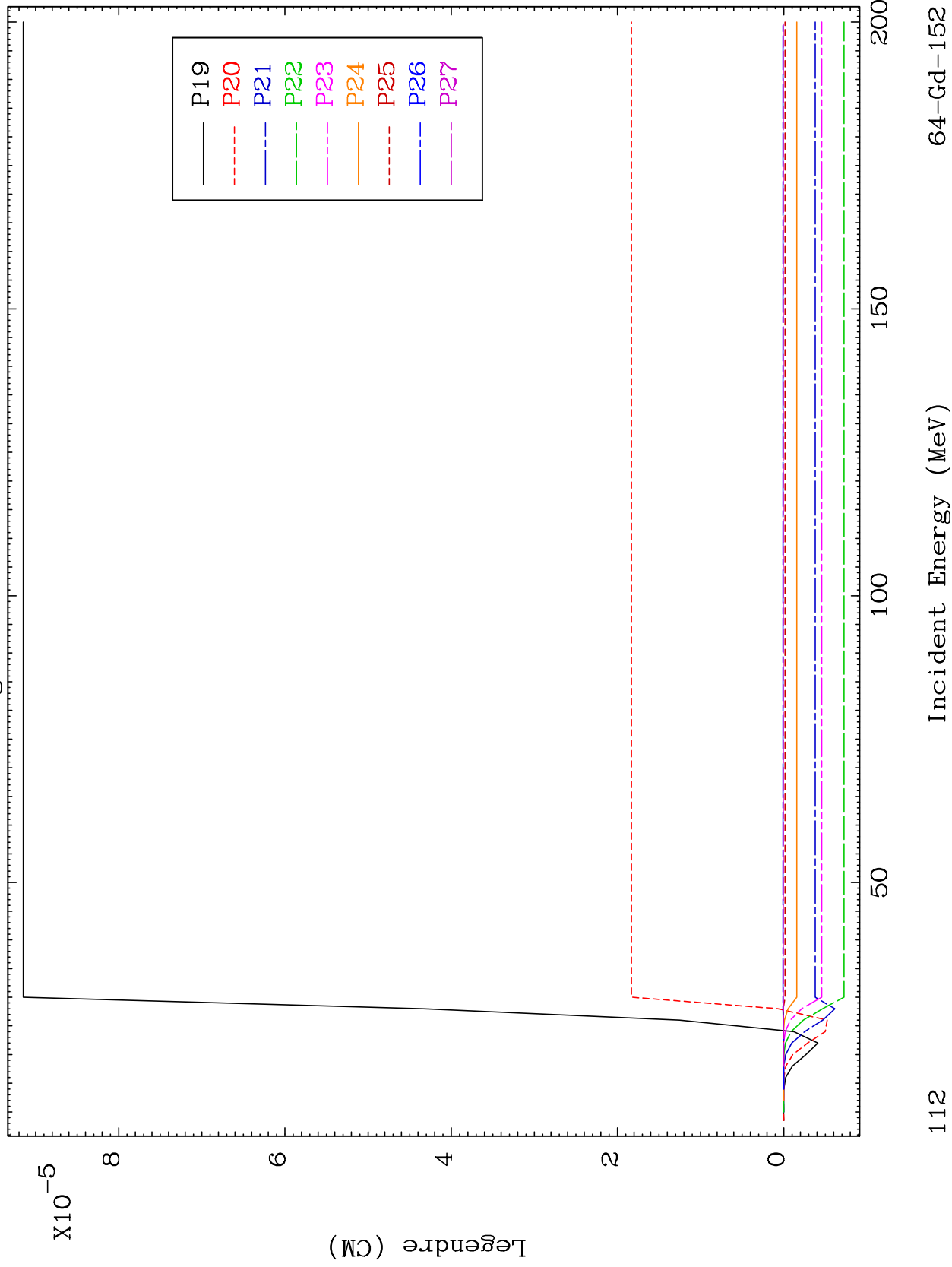




MAT 6425

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

64-Gd-152



112

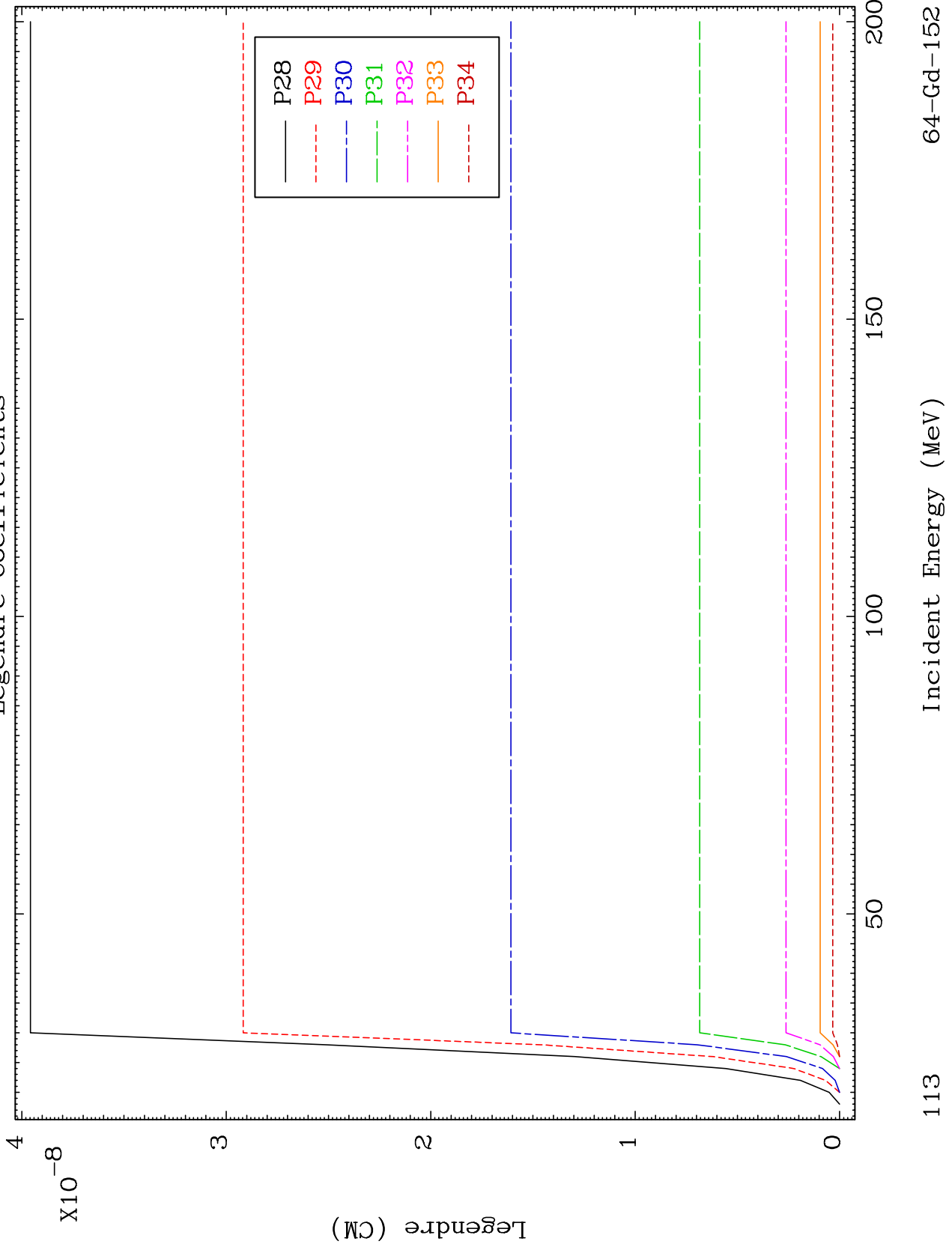
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



113

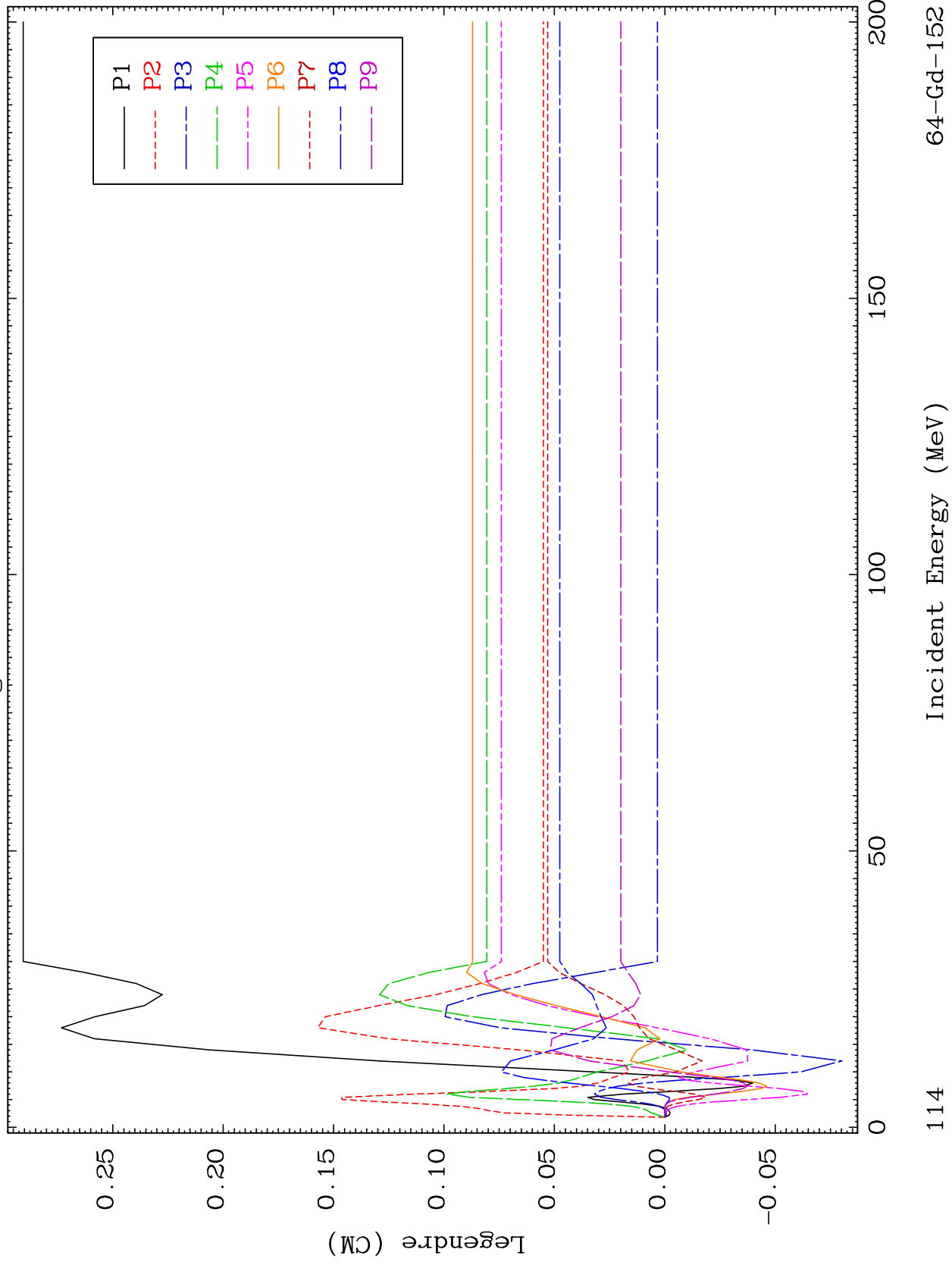
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



64-Gd-152

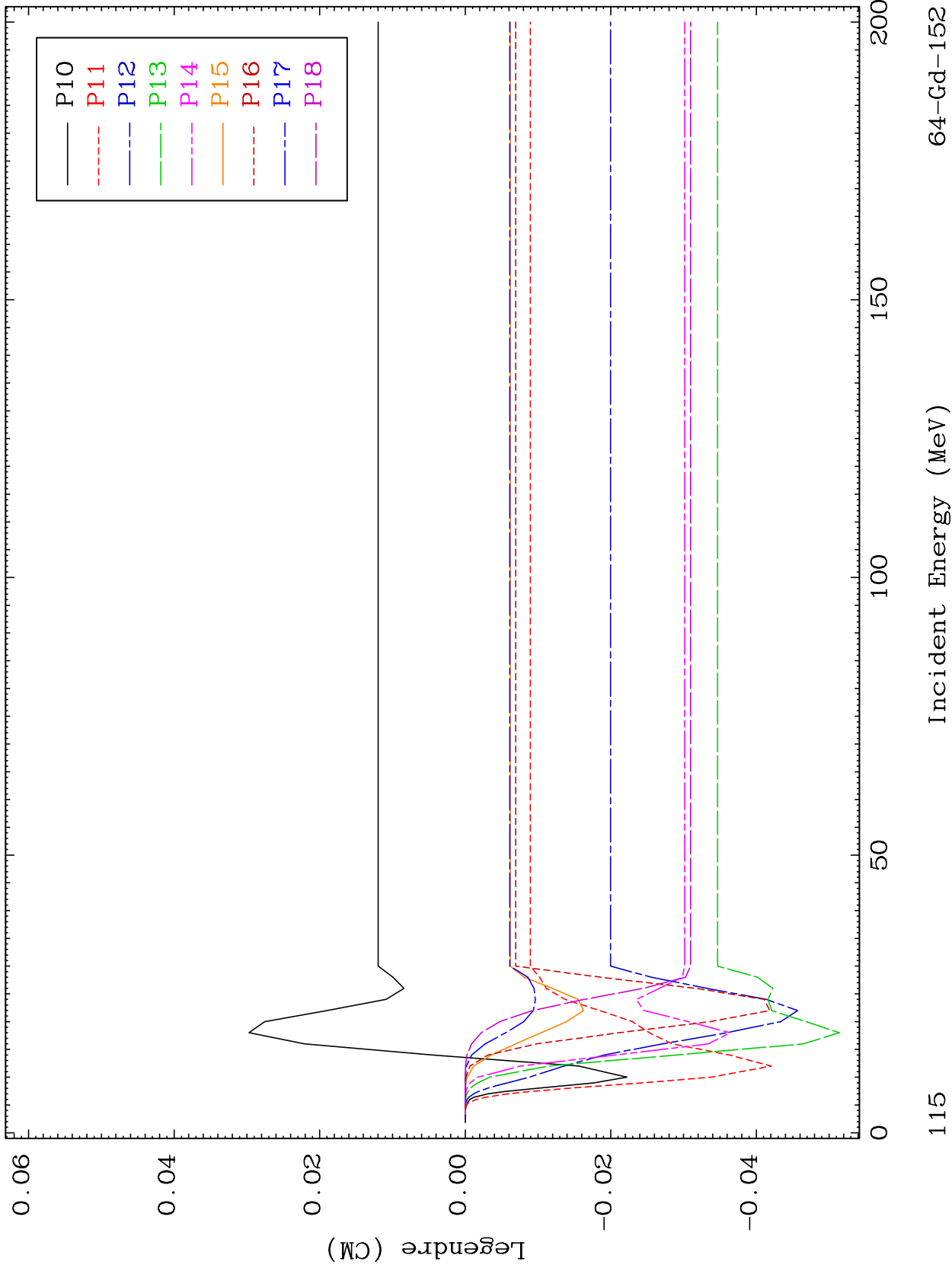
Incident Energy (MeV)

114

MAT 6425

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

64-Gd-152



64-Gd-152

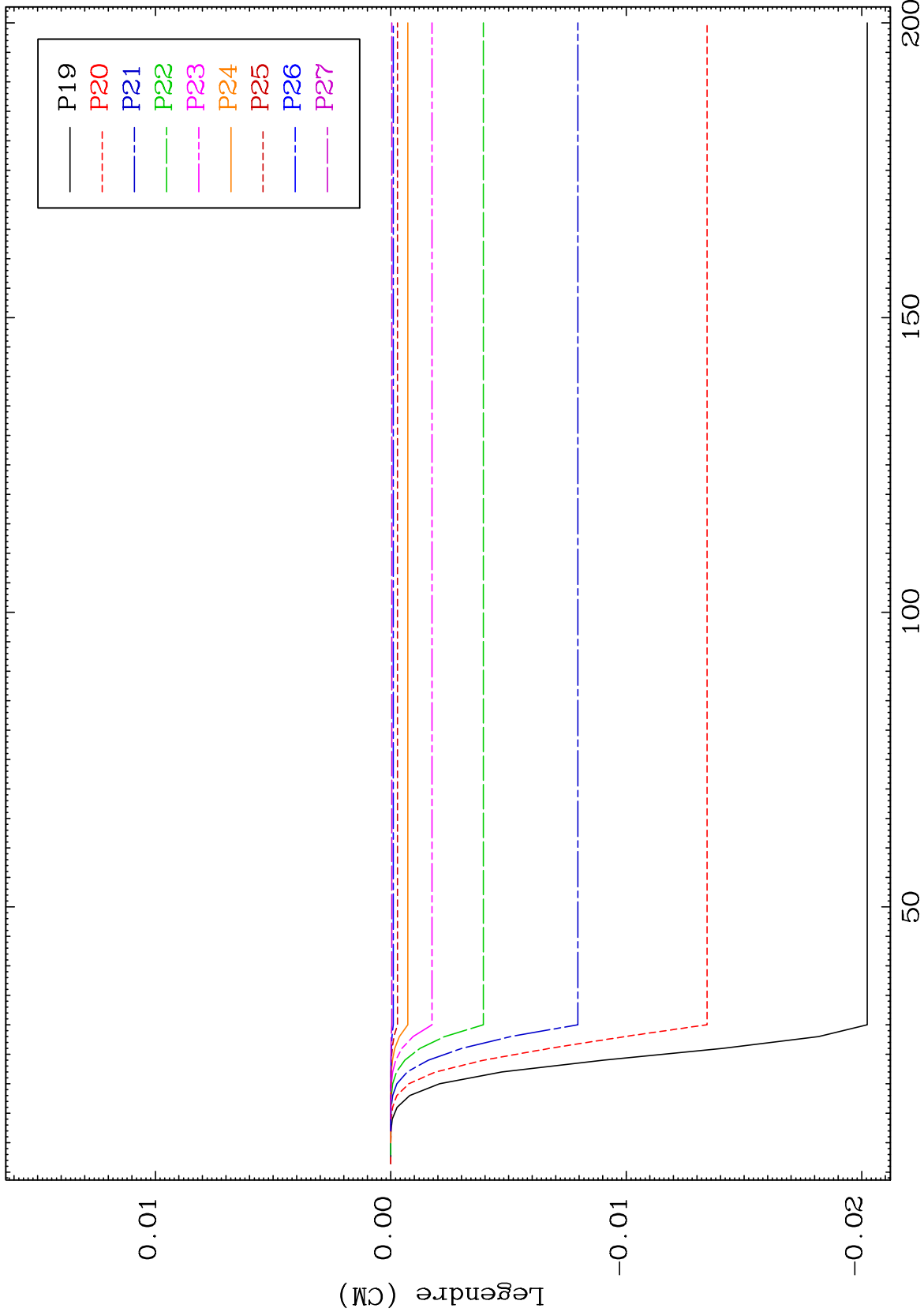
Incident Energy (MeV)

115

MAT 6425

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

64-Gd-152



116

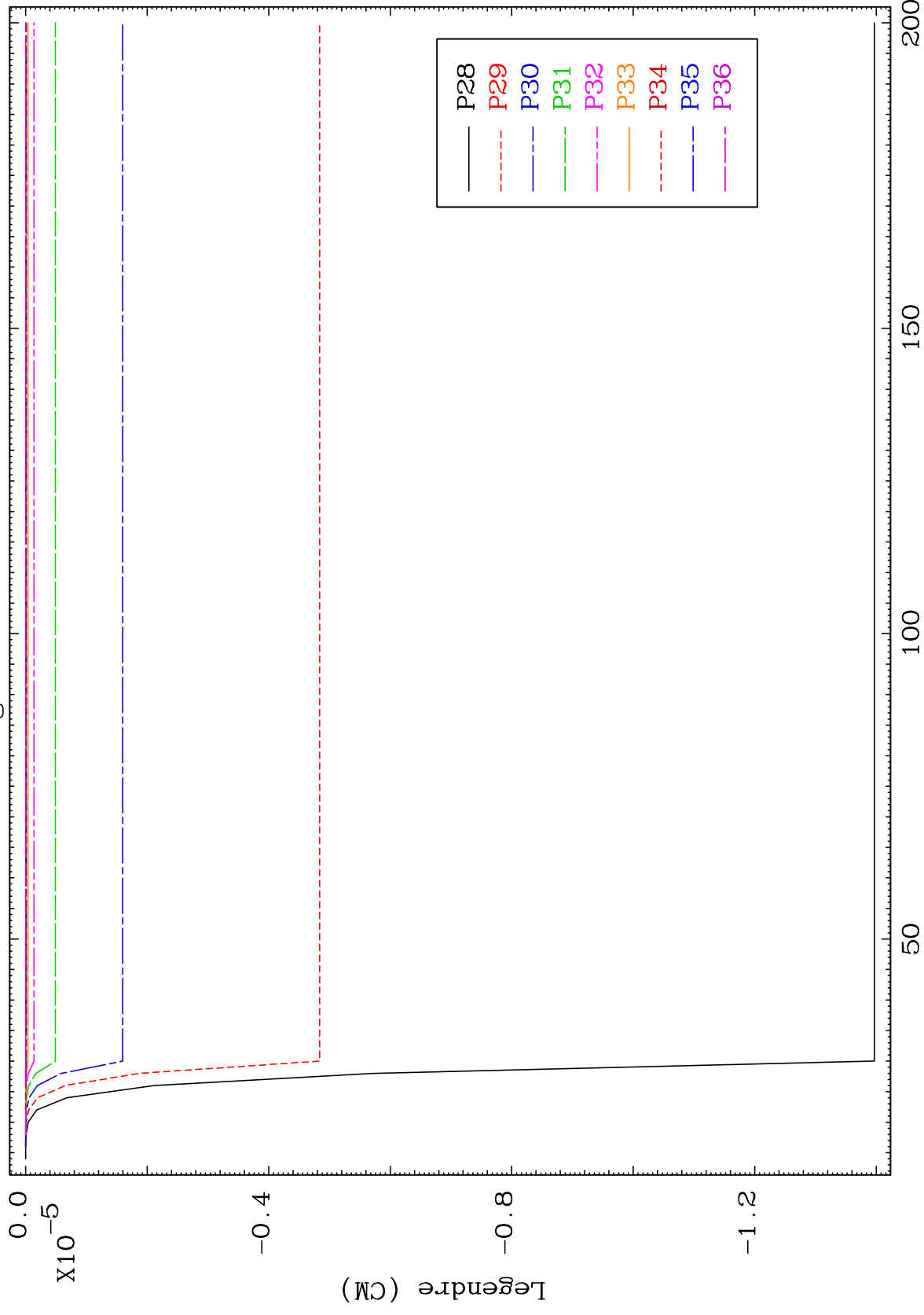
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

64-Gd-152



117

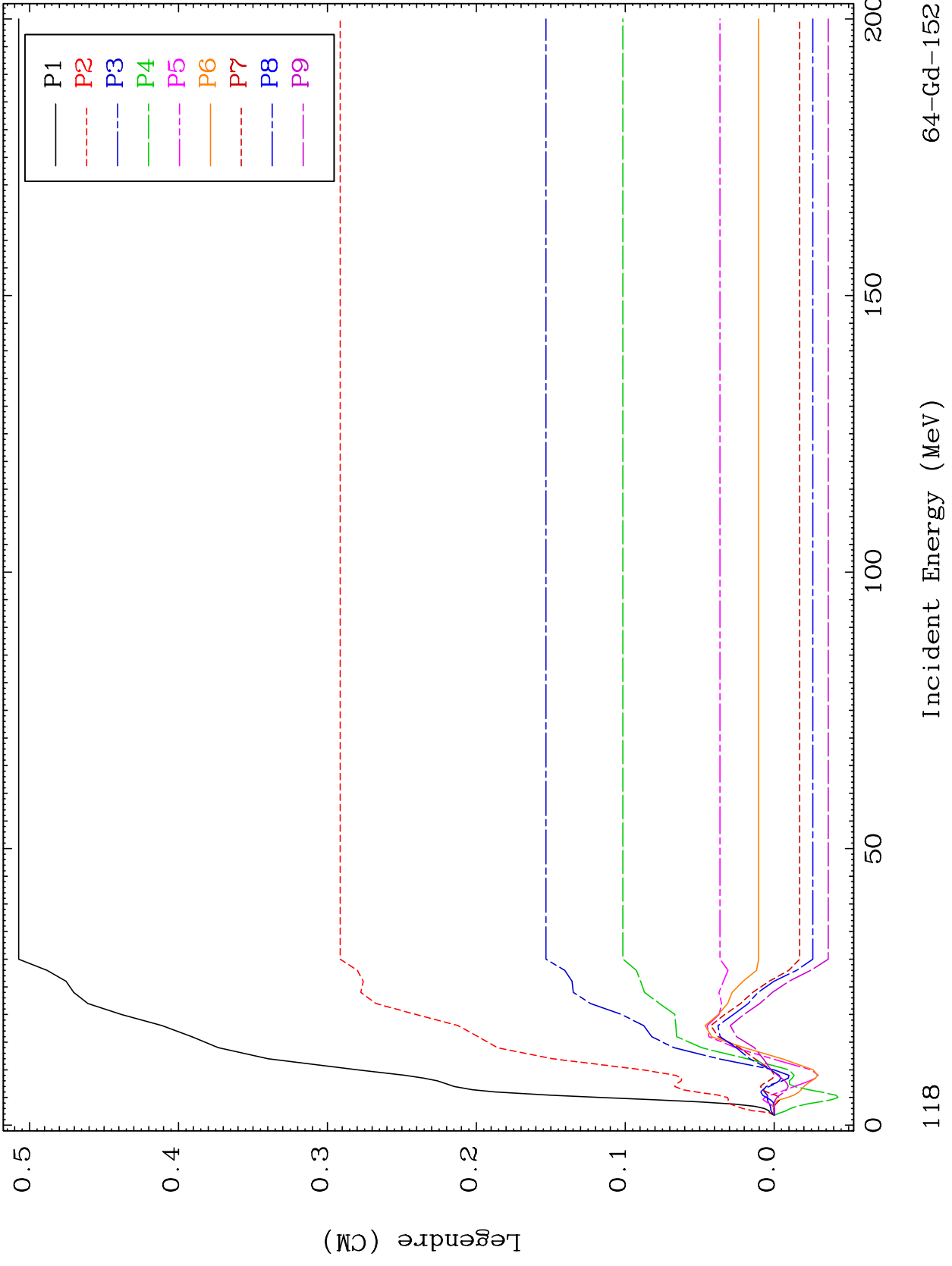
Incident Energy (MeV)

64-Gd-152

MAT 6425

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

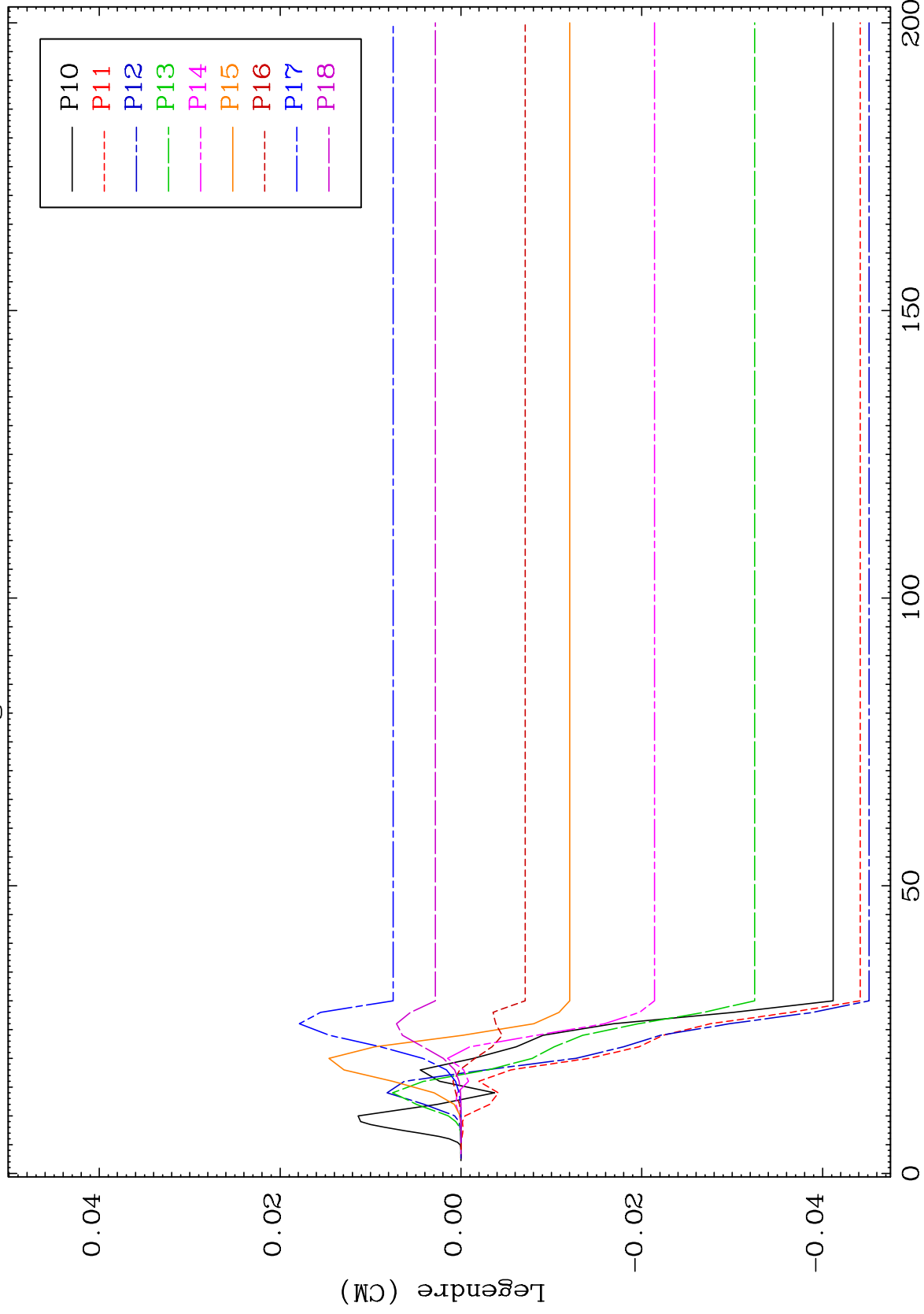
64-Gd-152



MAT 6425

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

64-Gd-152



119

Incident Energy (MeV)

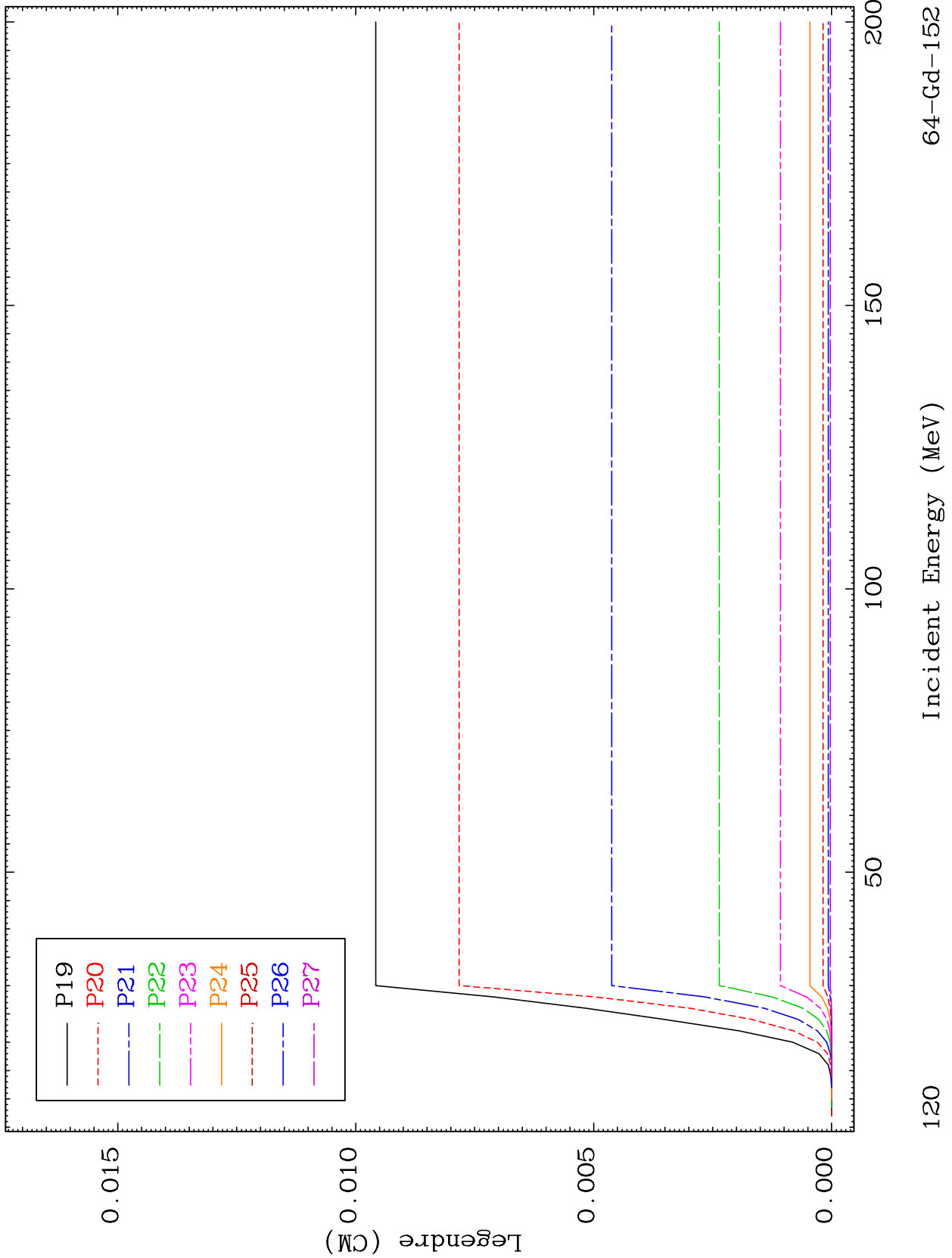
64-Gd-152



MAT 6425

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

64-Gd-152



120

50

100

150

200

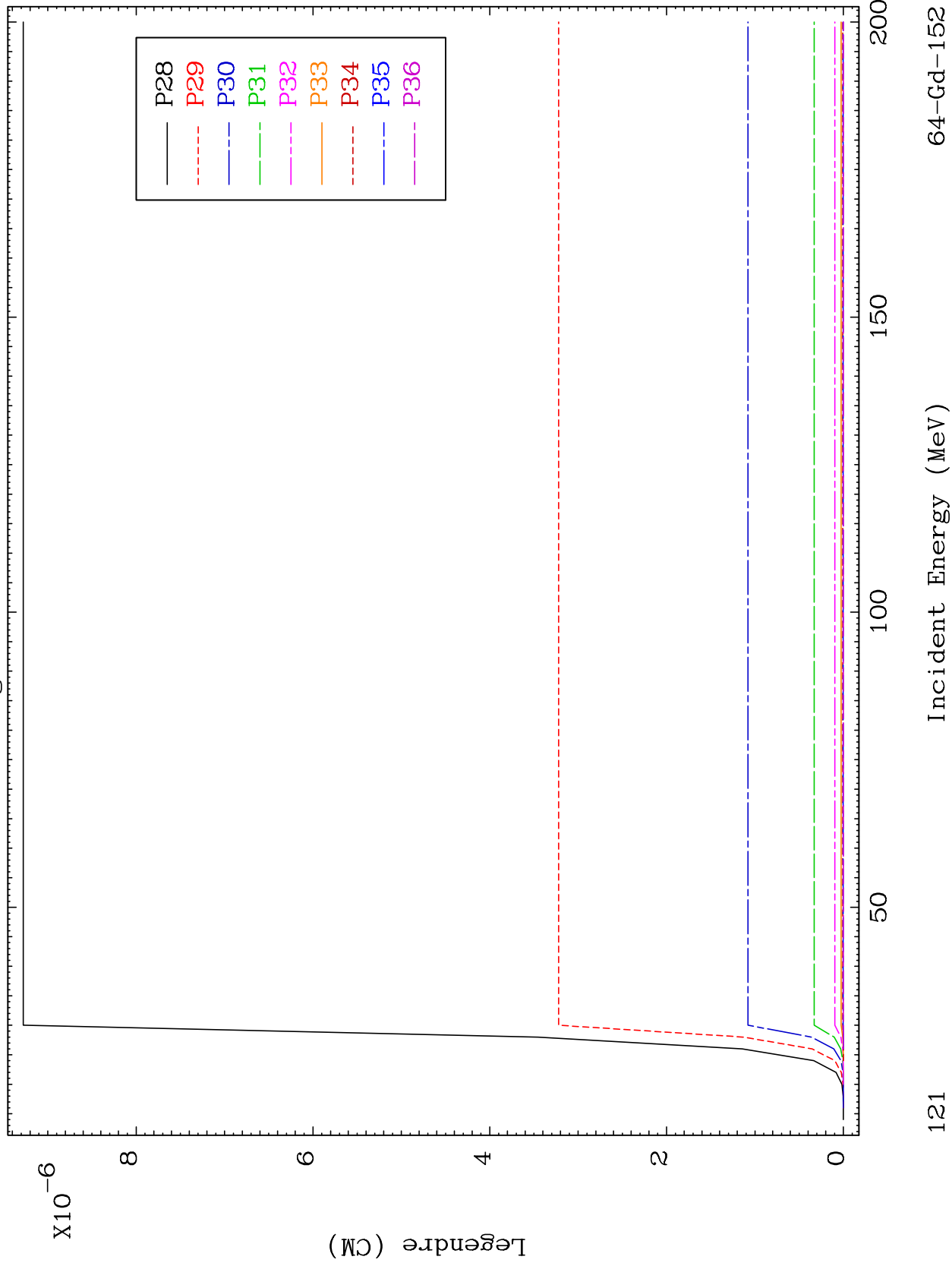
Incident Energy (MeV)

64-Gd-152

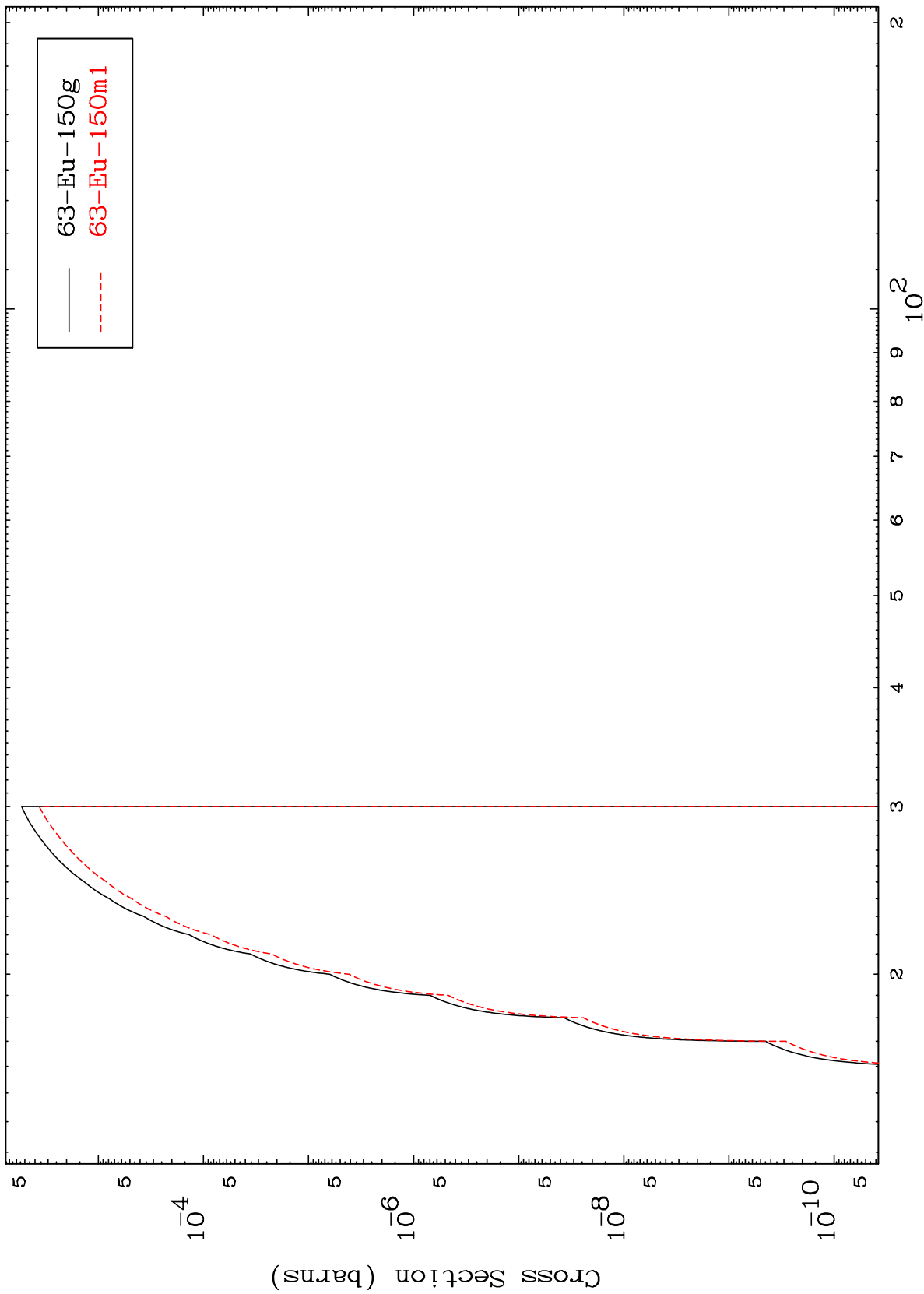
MAT 6425

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

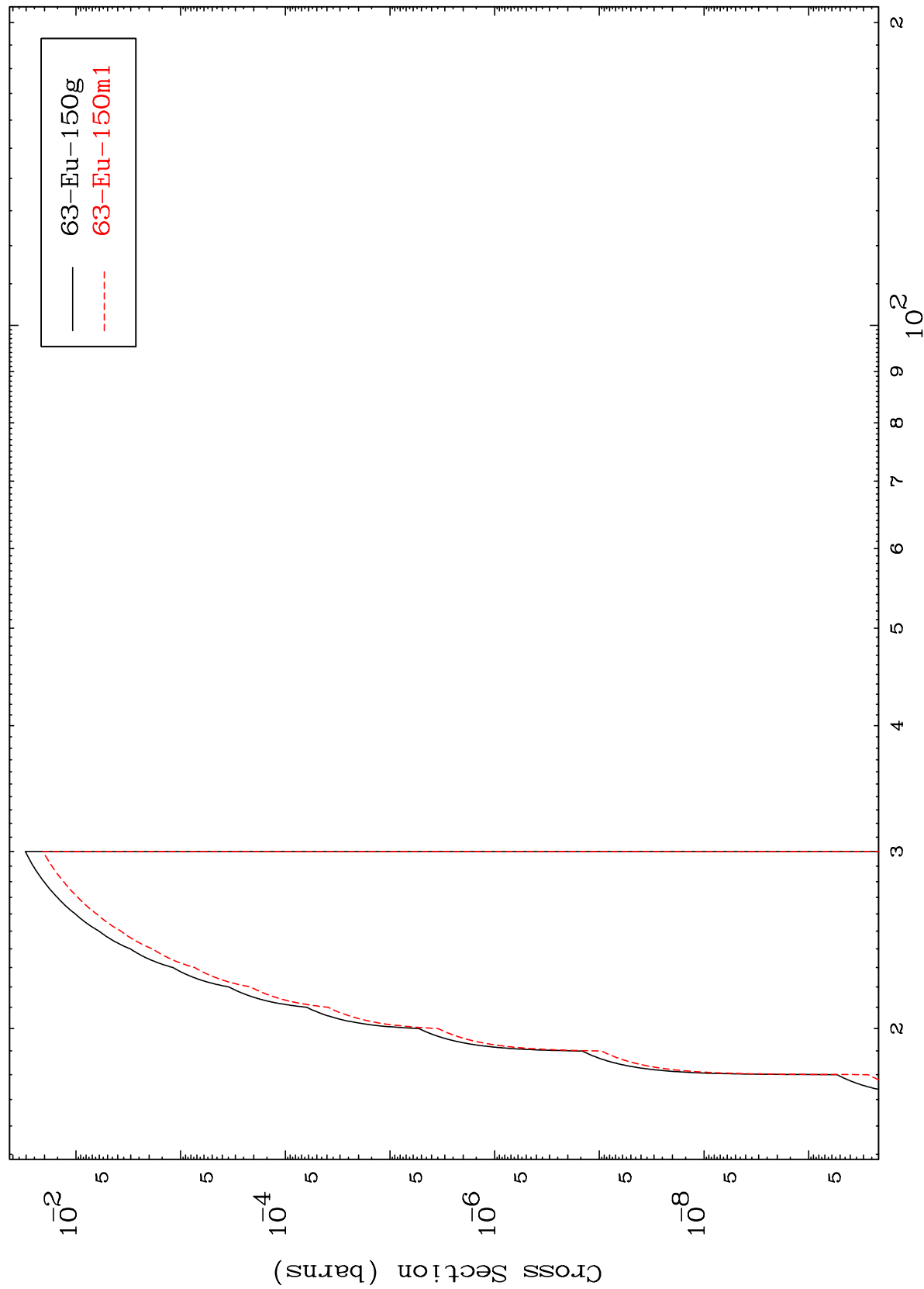
64-Gd-152



Radionuclide Production Cross Section



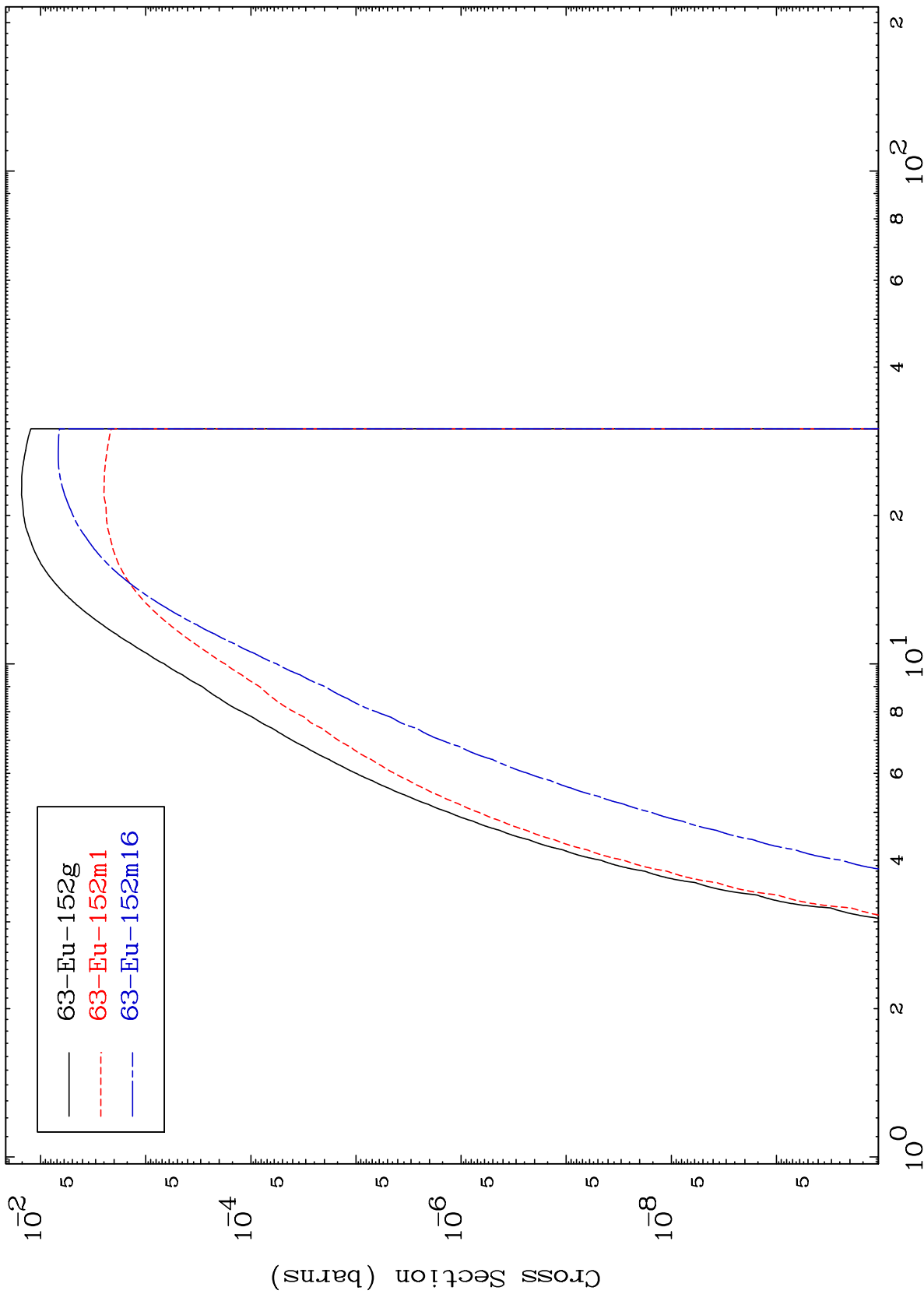
Radionuclide Production Cross Section



MAT 6425

64-Gd-152

(n,p)  
Radionuclide Production Cross Section



64-Gd-152

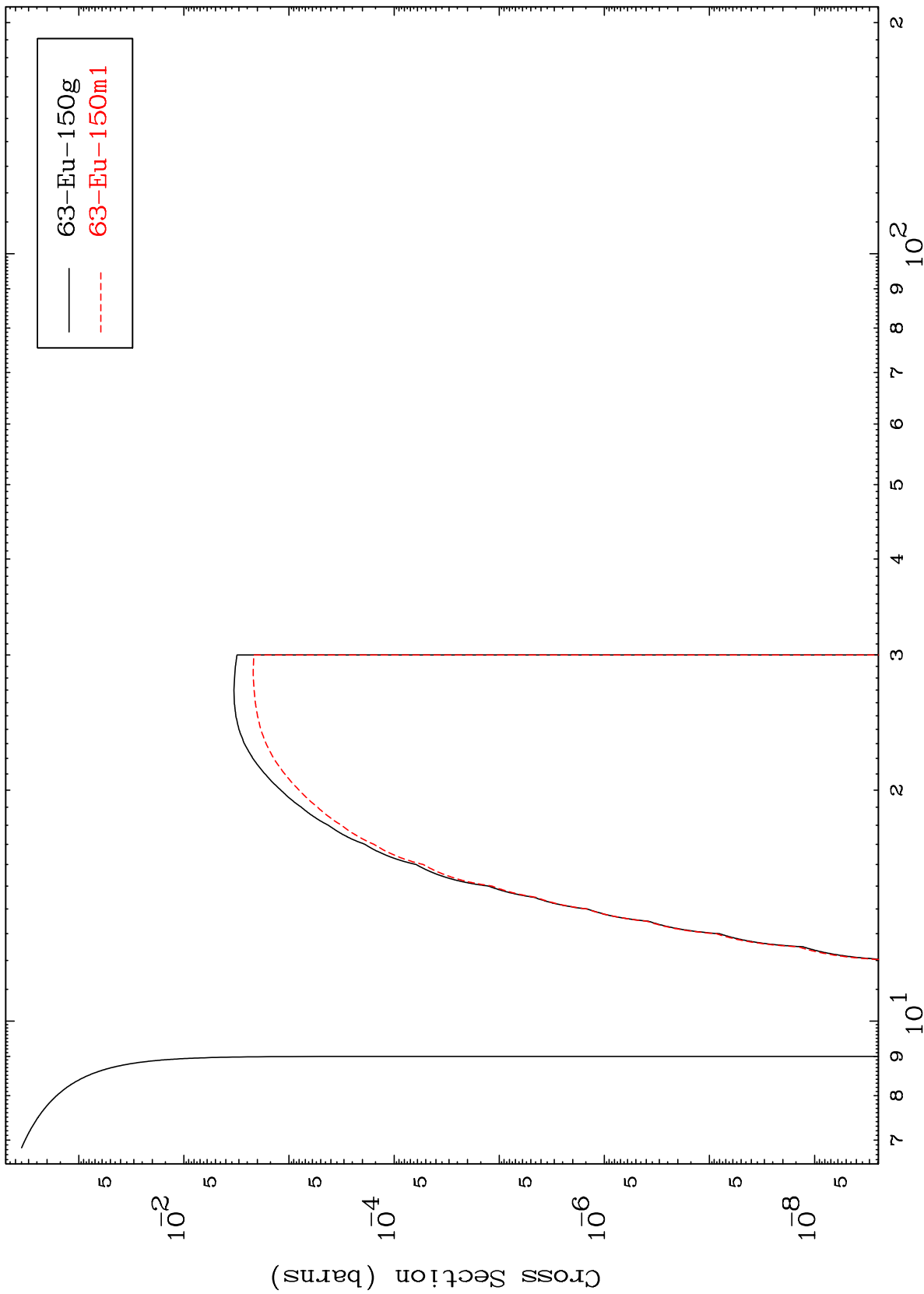
Incident Energy (MeV)

124

MAT 6425

64-Gd-152

(n, t)  
Radionuclide Production Cross Section



63-Eu-150g  
63-Eu-150m1

125

Incident Energy (MeV)

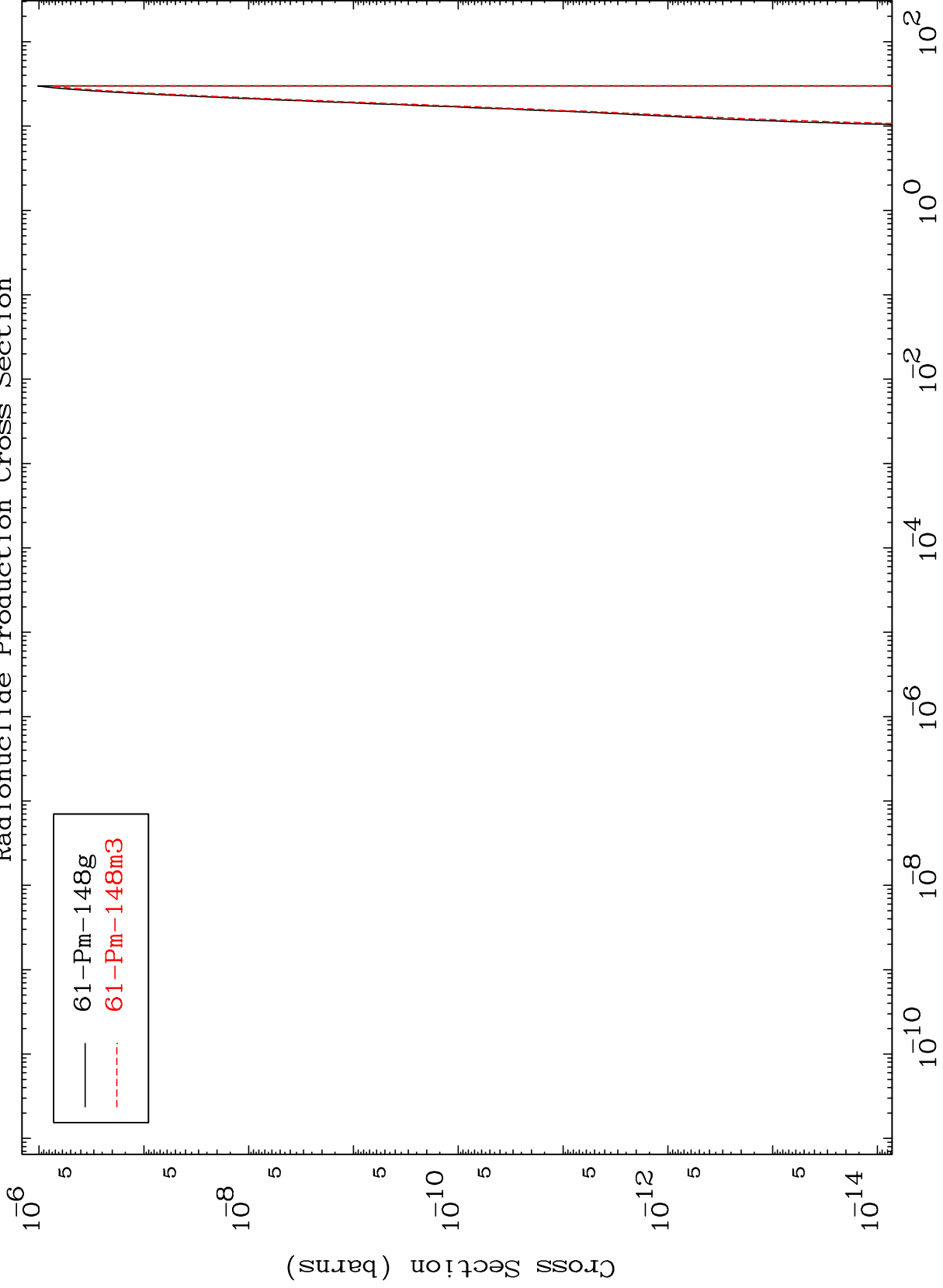
64-Gd-152

MAT 6425

(n,p)  $\alpha$

64-Gd-152

Radionuclide Production Cross Section



126

Incident Energy (MeV)

64-Gd-152