

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

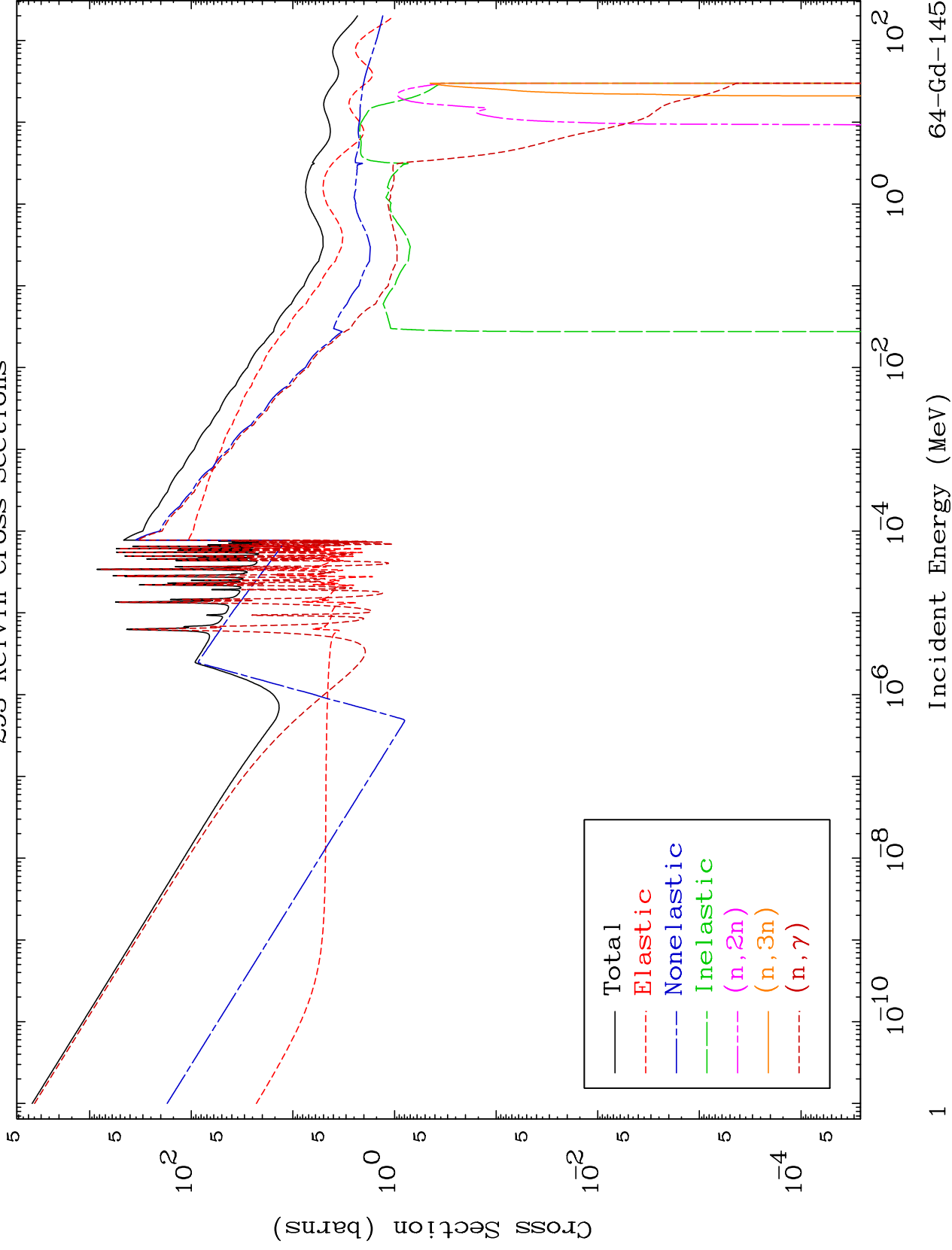
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Press Mouse Button to Start

MAT 6404

Neutron Major  
293 Kelvin Cross Sections

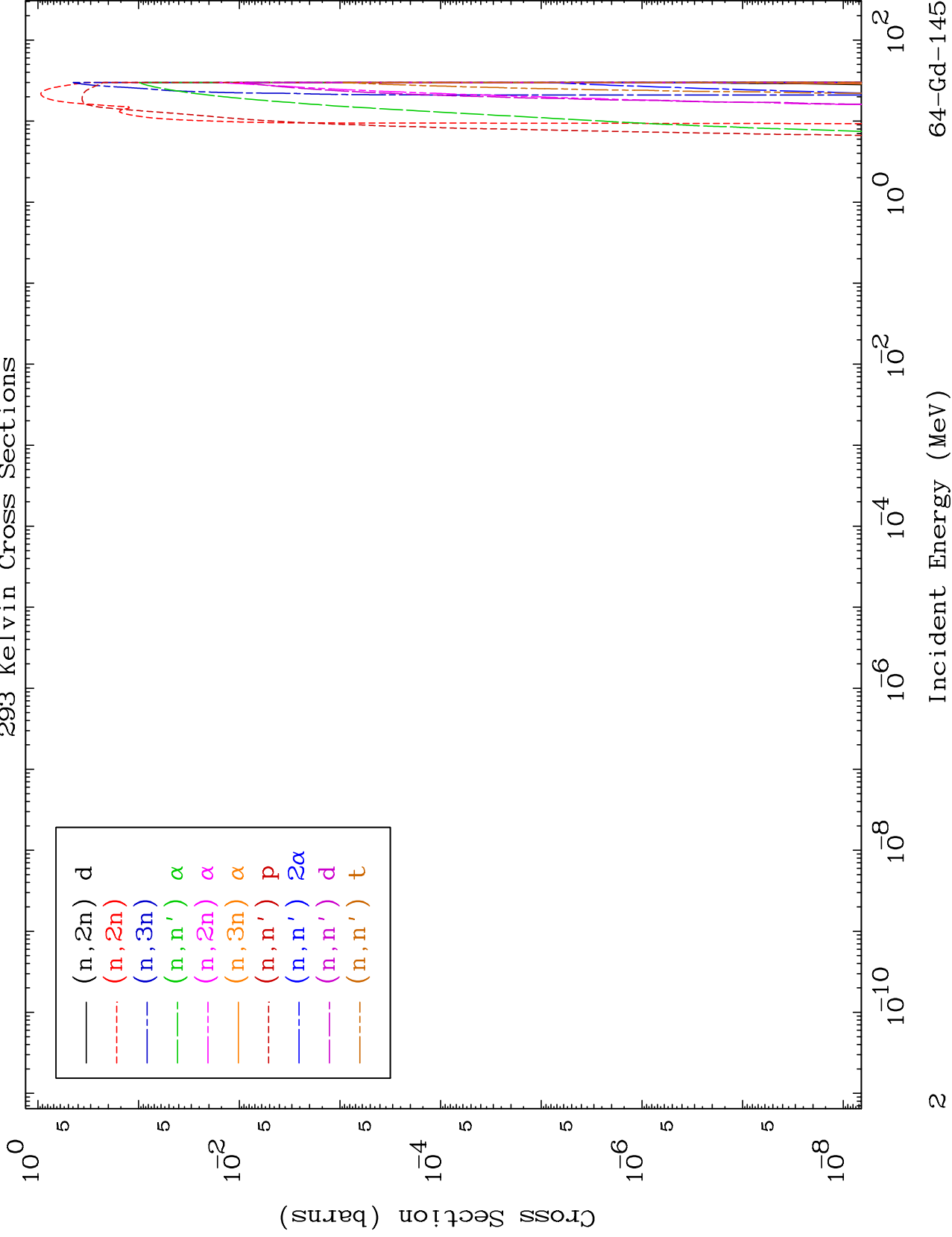
64-Gd-145



MAT 6404

Neutron Absorption  
293 Kelvin Cross Sections

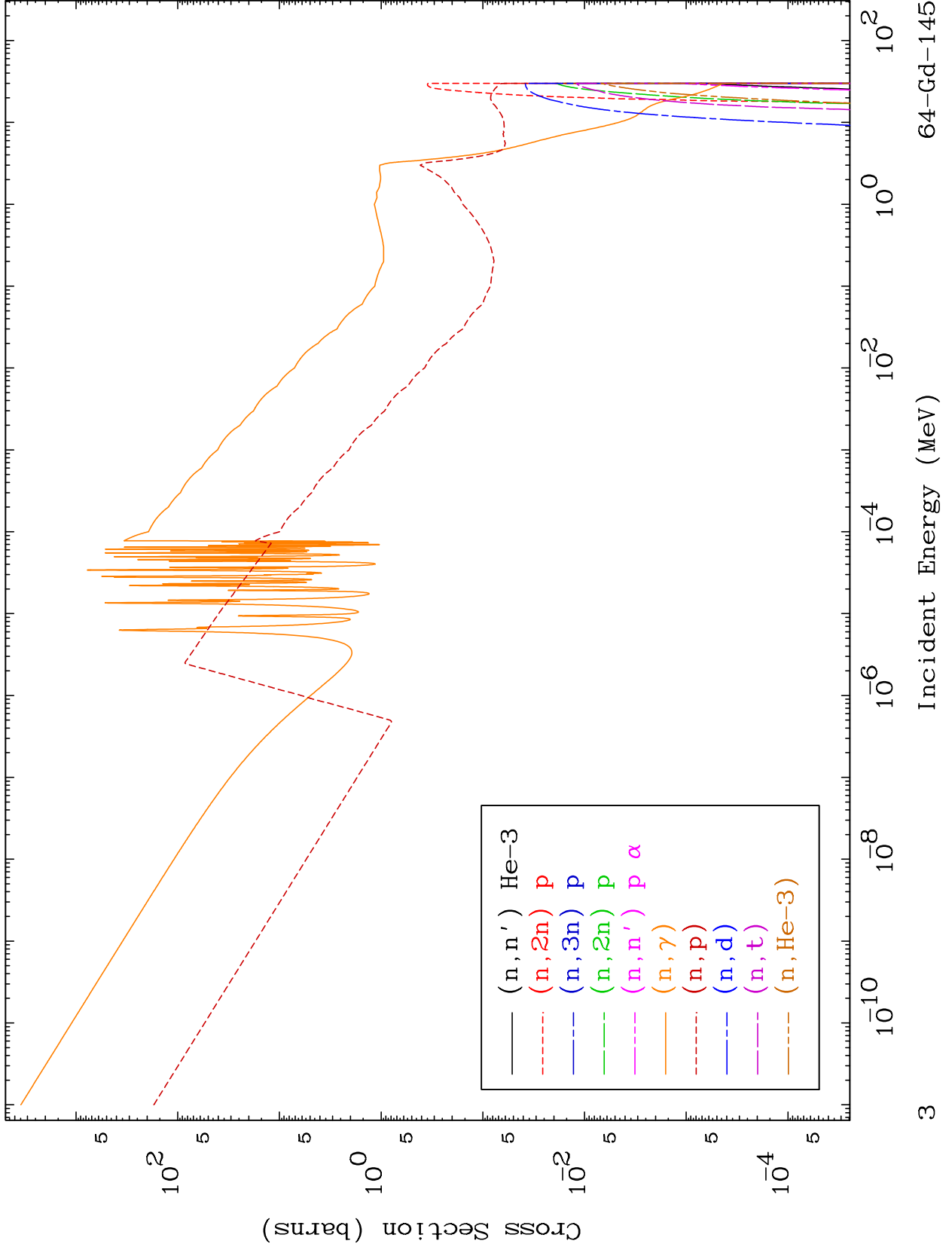
64-Gd-145



MAT 6404

Neutron Absorption  
293 Kelvin Cross Sections

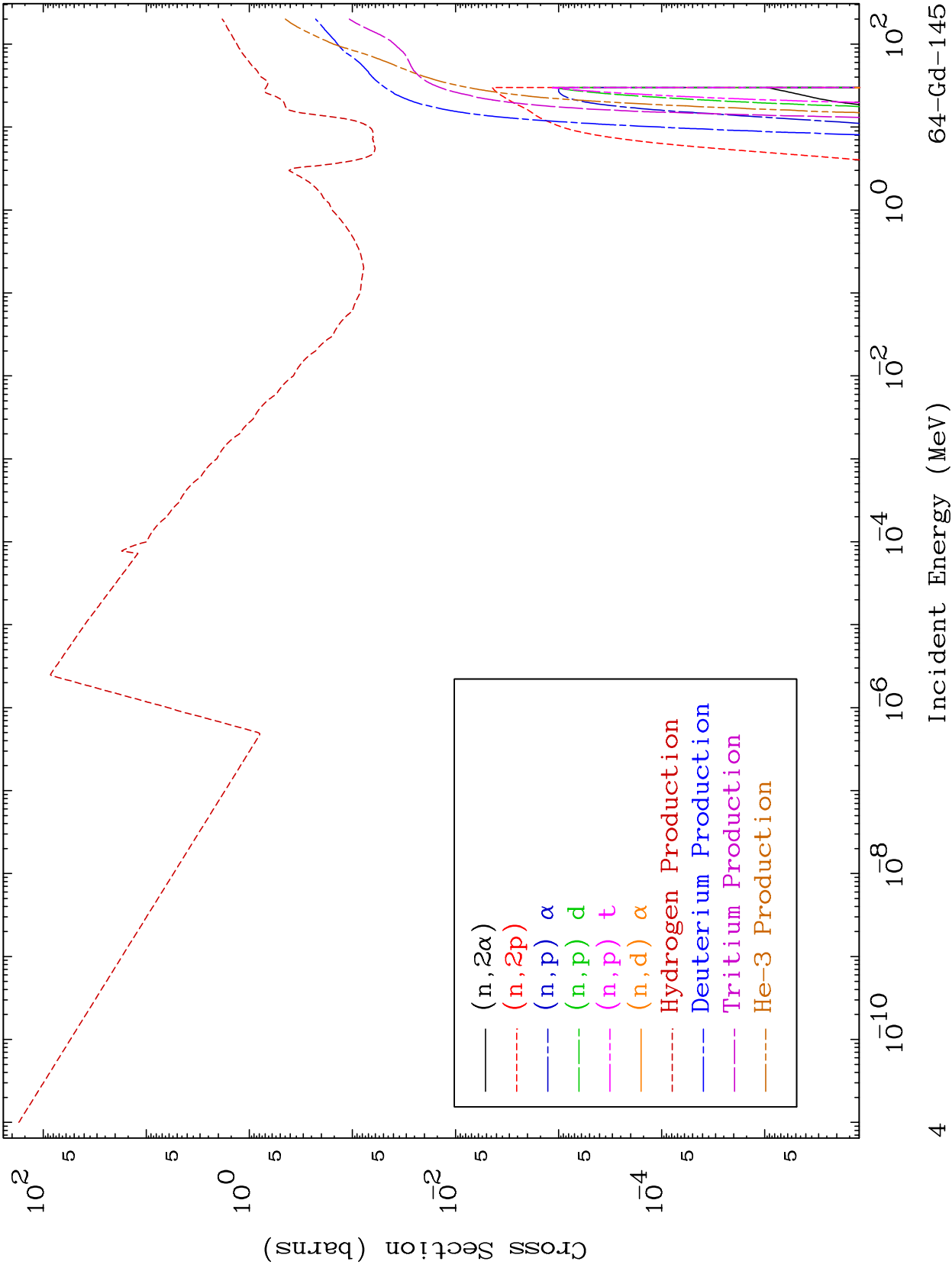
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MAT 6404

Neutron Absorption  
293 Kelvin Cross Sections

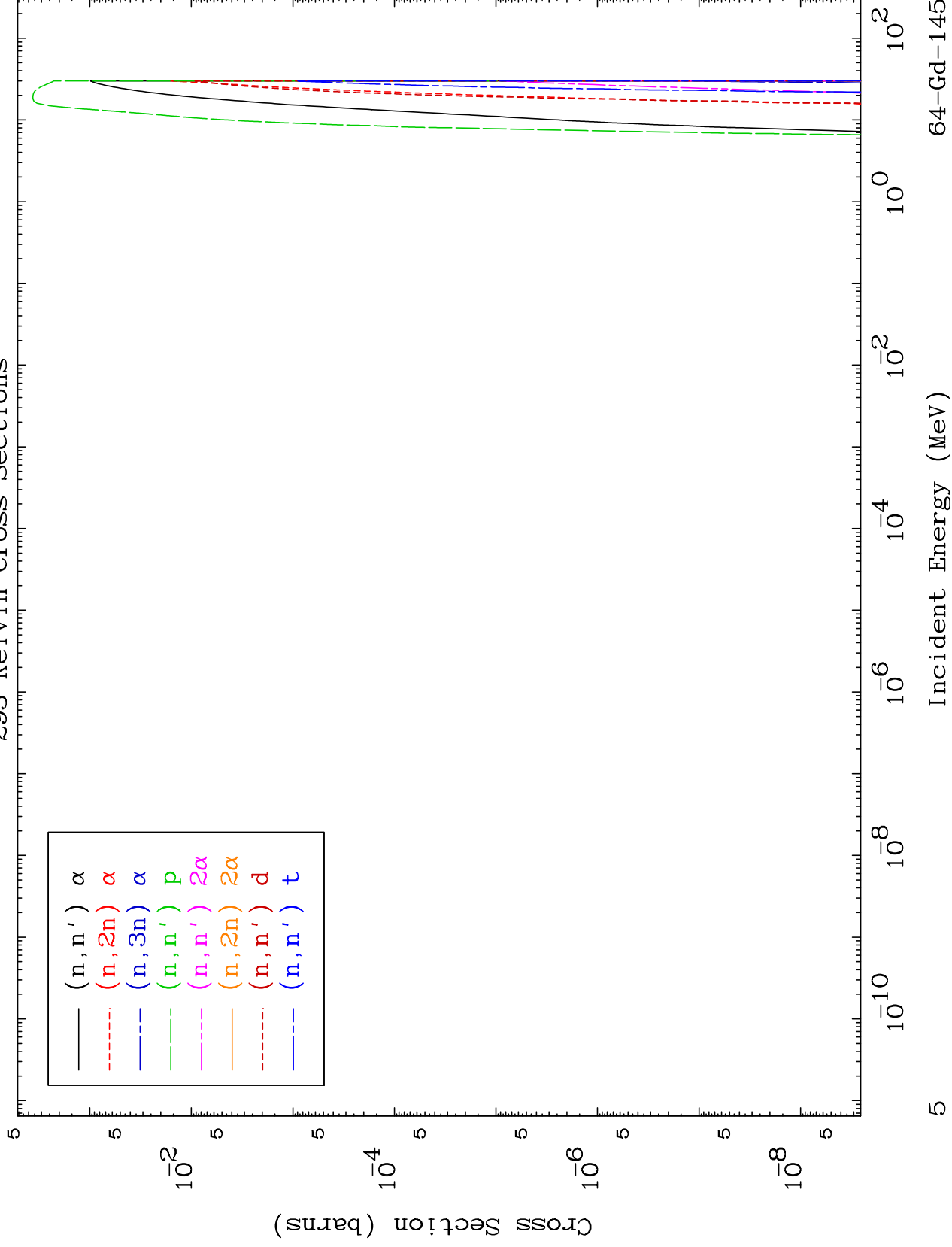
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MAT 6404

Charged Particle  
293 Kelvin Cross Sections

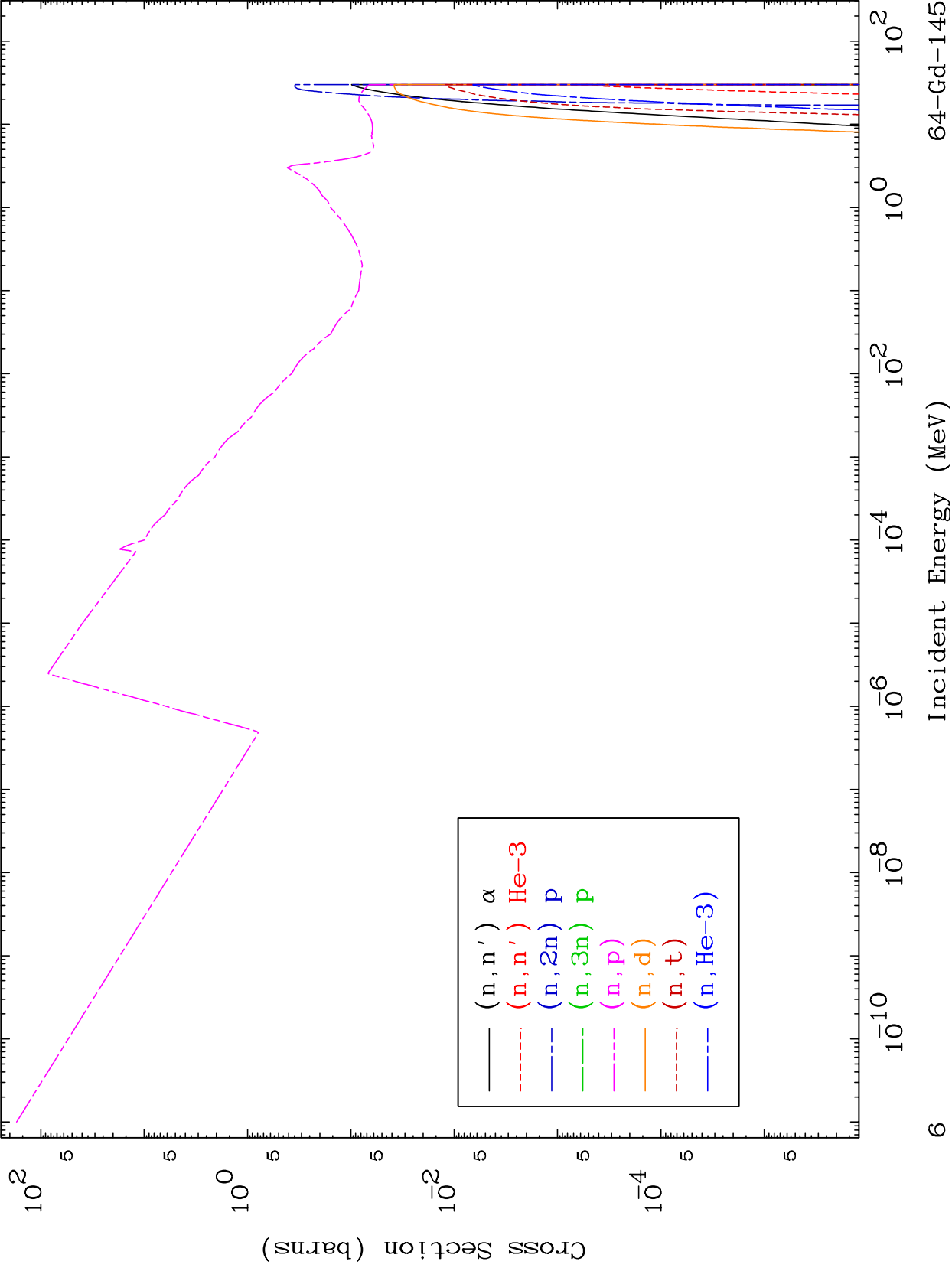
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MAT 6404

Charged Particle  
293 Kelvin Cross Sections

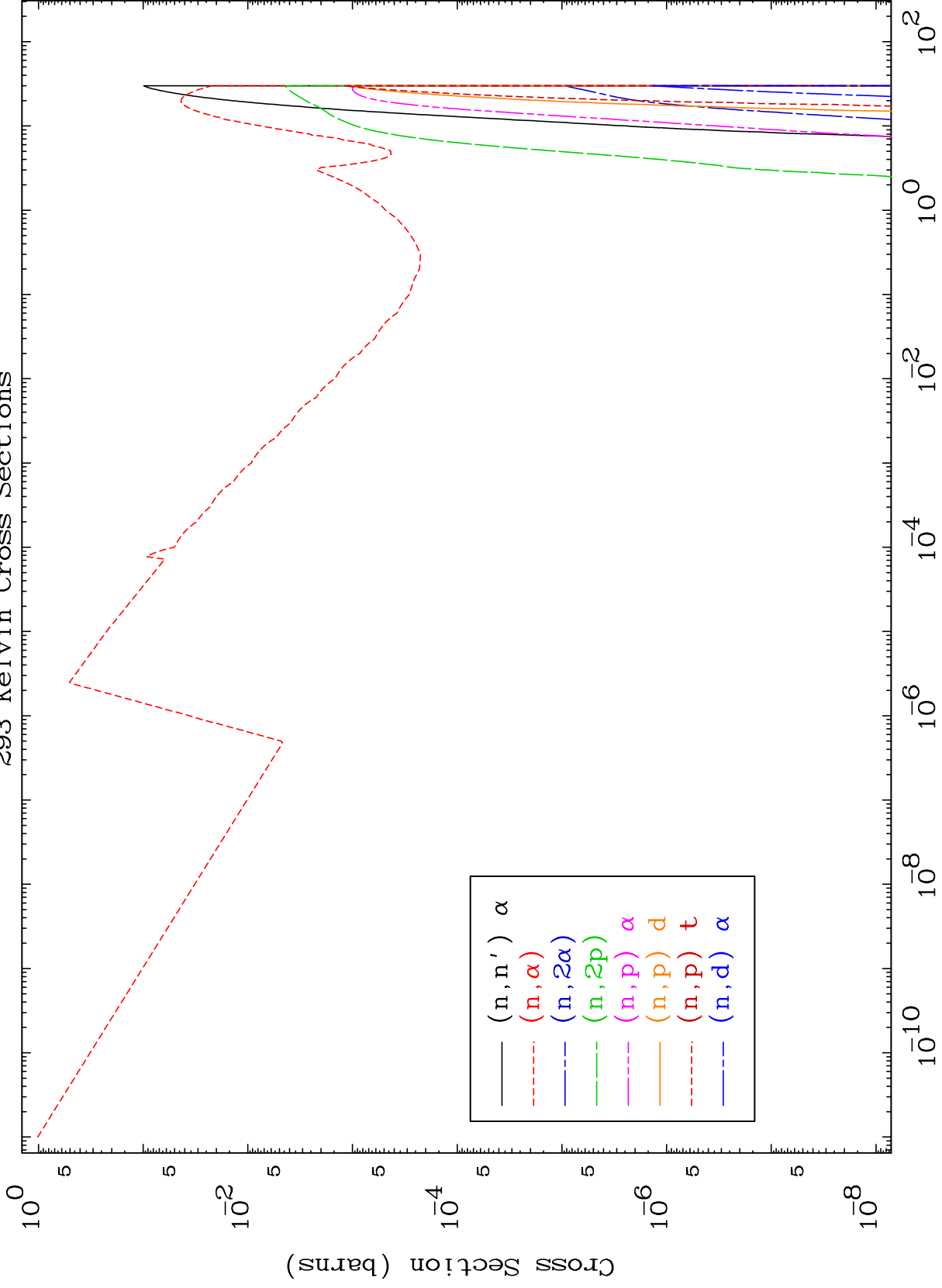
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MAT 6404

Charged Particle  
293 Kelvin Cross Sections

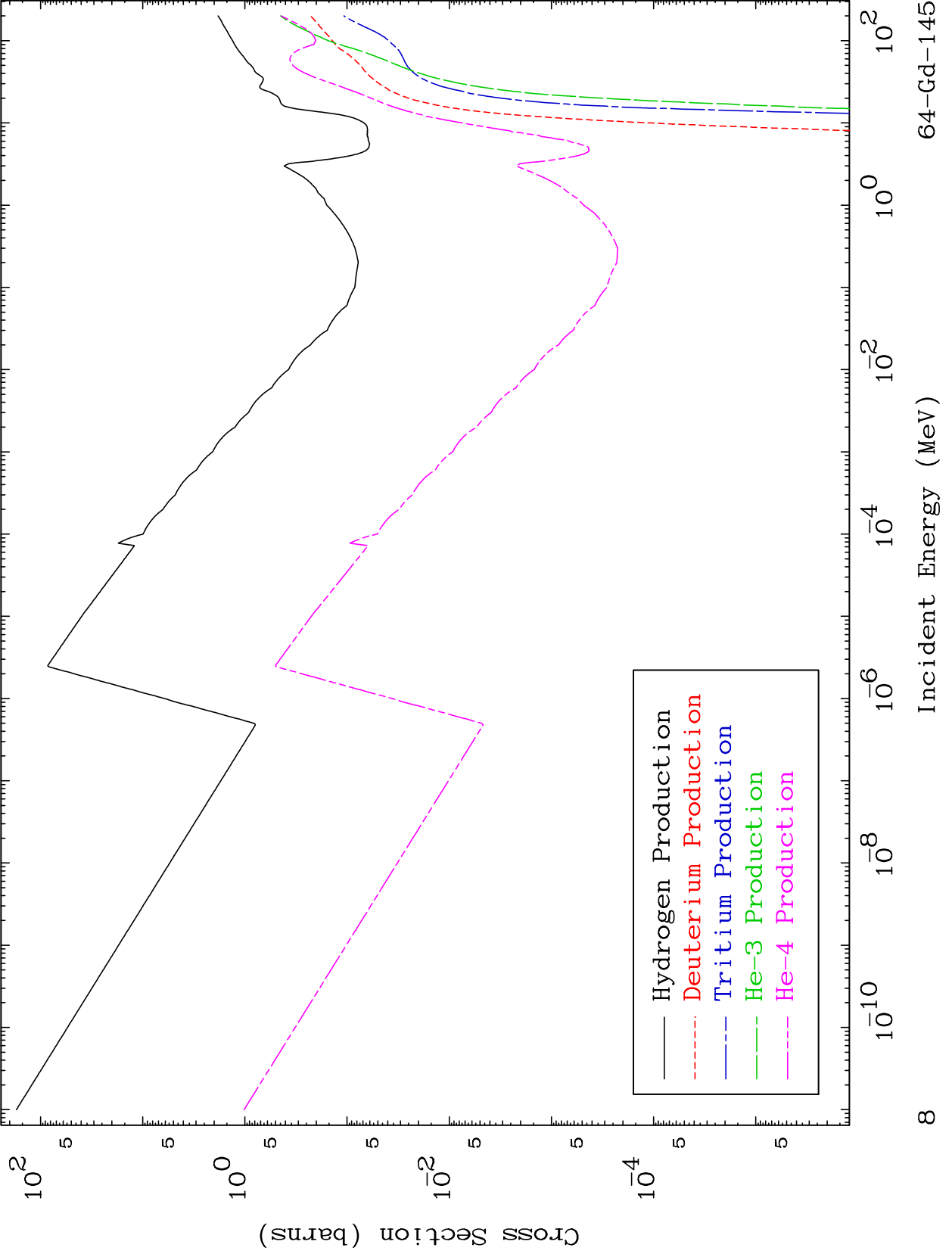
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MAT 6404

Particle Production  
293 Kelvin Cross Sections

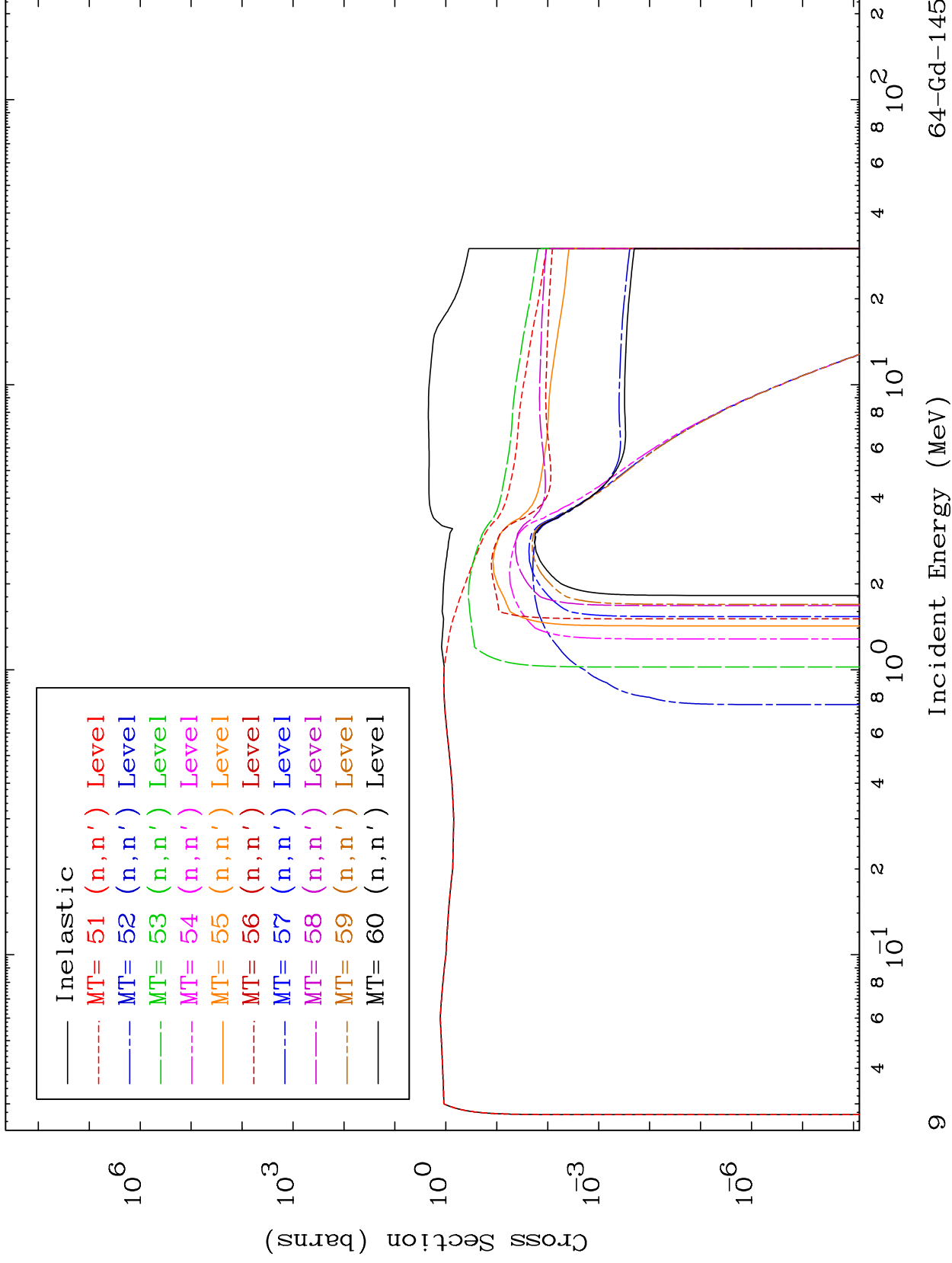
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MAT 6404

(n,n') Levels  
293 Kelvin Cross Sections

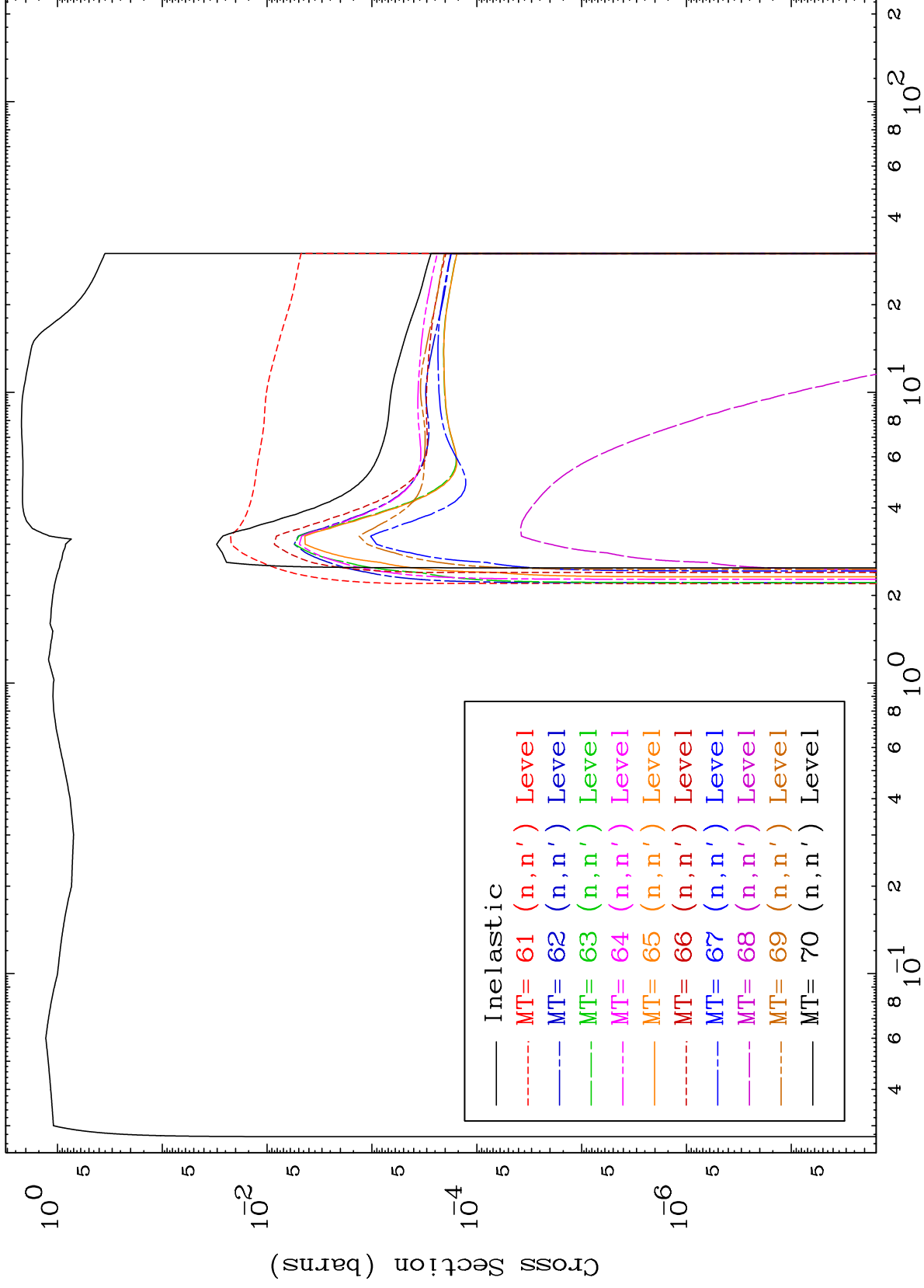
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MAT 6404

(n,n') Levels  
293 Kelvin Cross Sections

64-Gd-145



10

Incident Energy (MeV)

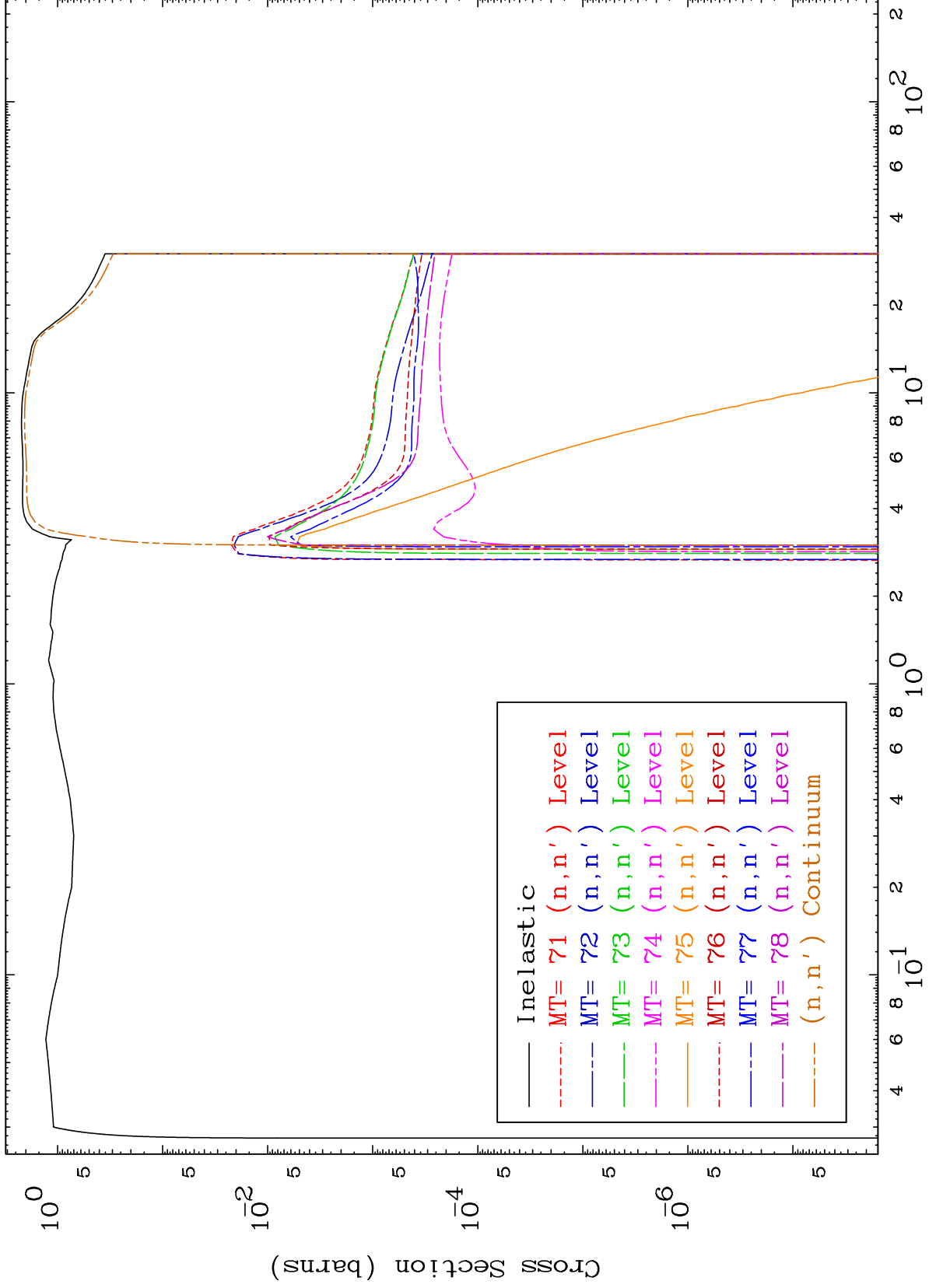
64-Gd-145

MAT 6404

(n,n') Levels

64-Gd-145

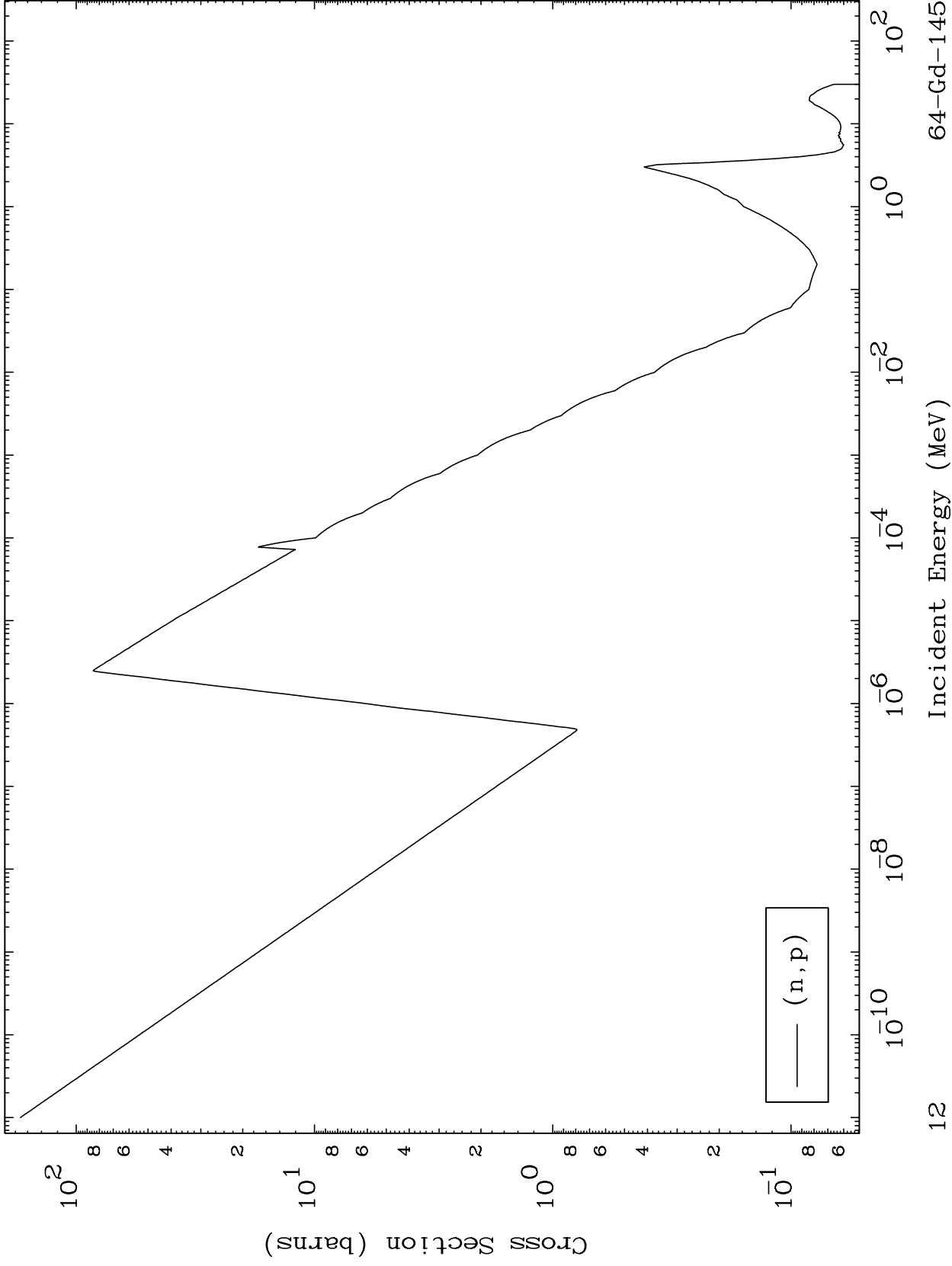
293 Kelvin Cross Sections



MAT 6404

(n,p) Levels  
293 Kelvin Cross Sections

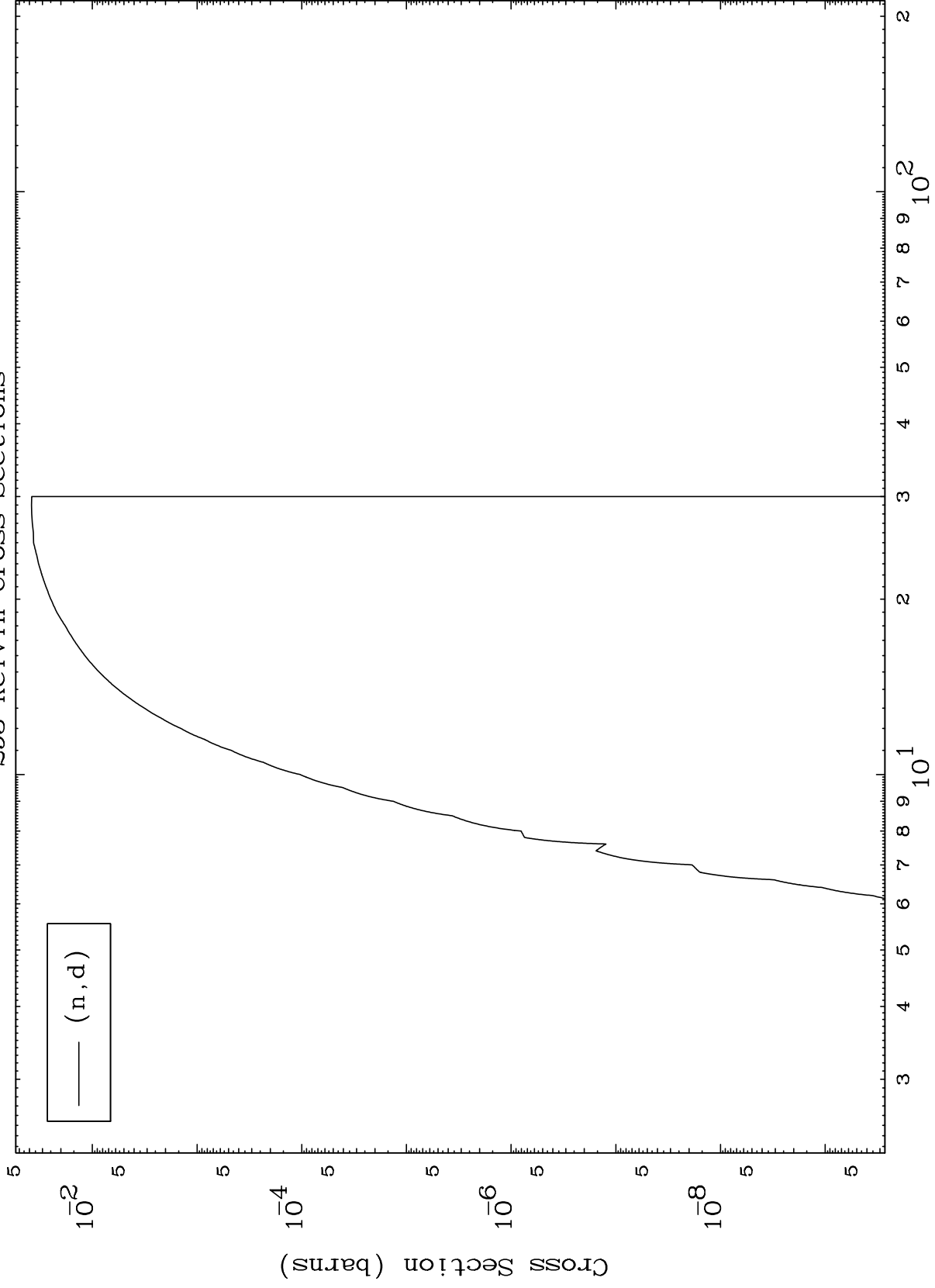
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MAT 6404

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-145



13

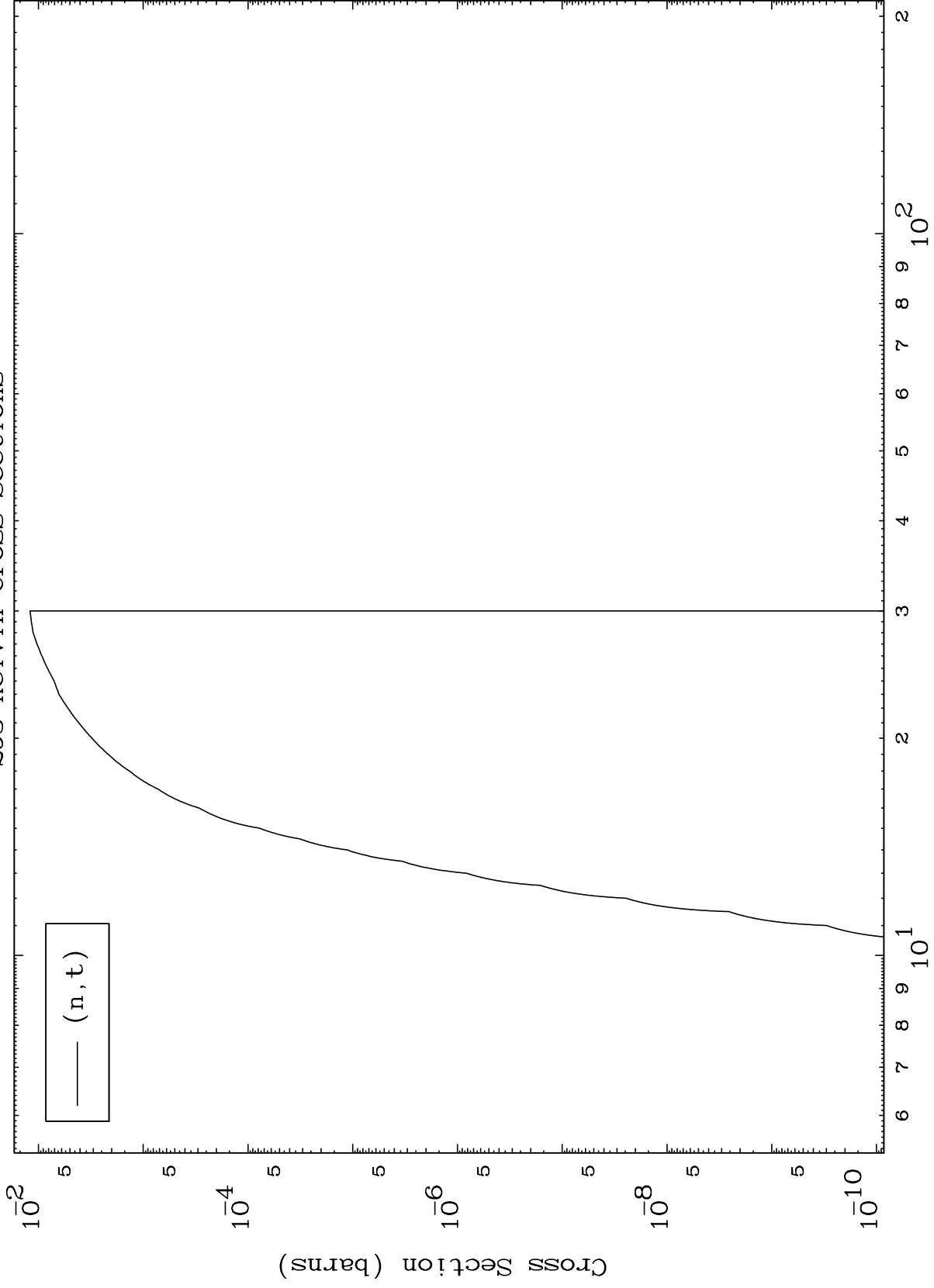
Incident Energy (MeV)

64-Gd-145

MAT 6404

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-145



14

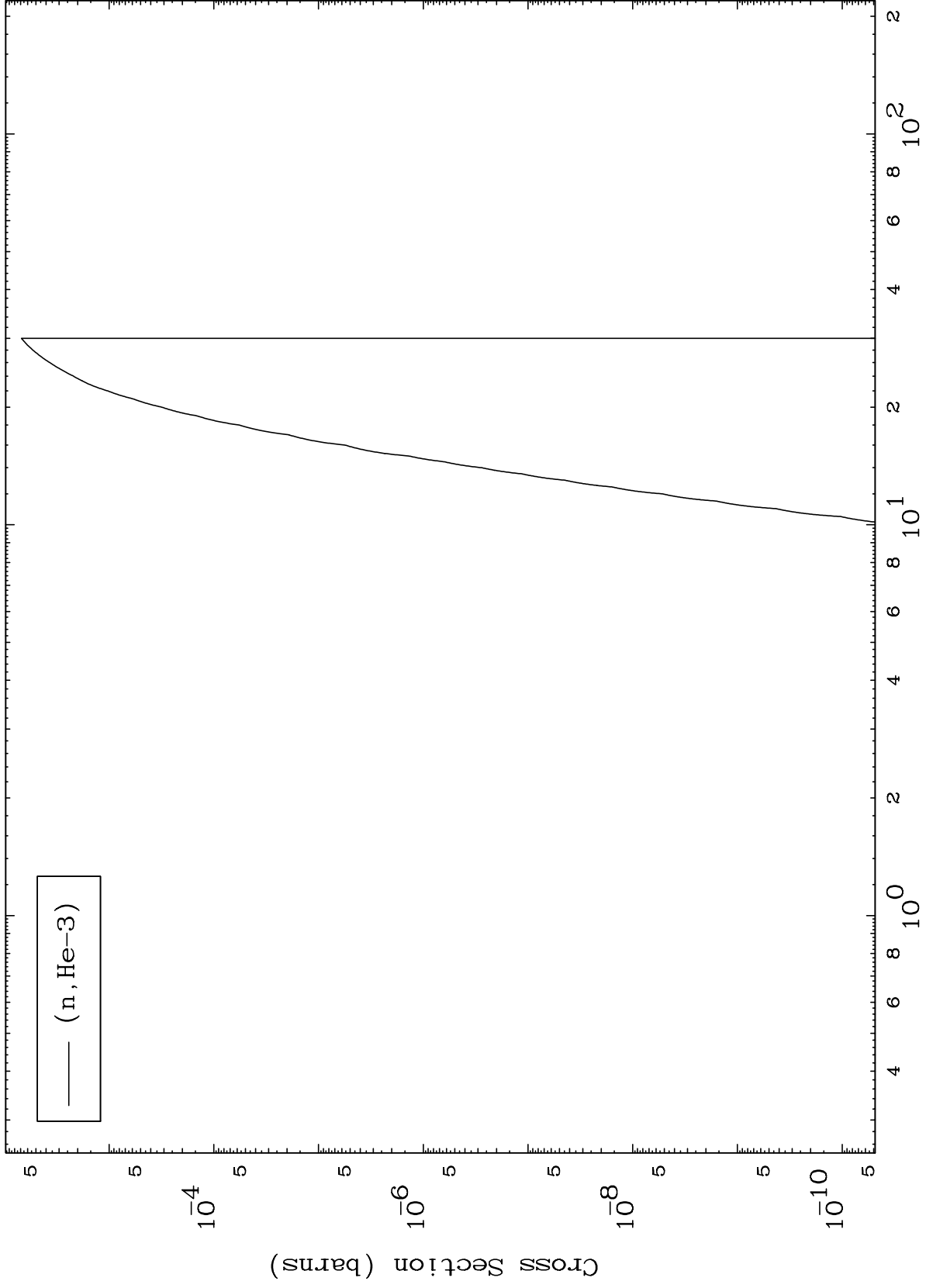
Incident Energy (MeV)

64-Gd-145

MAT 6404

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-145



15

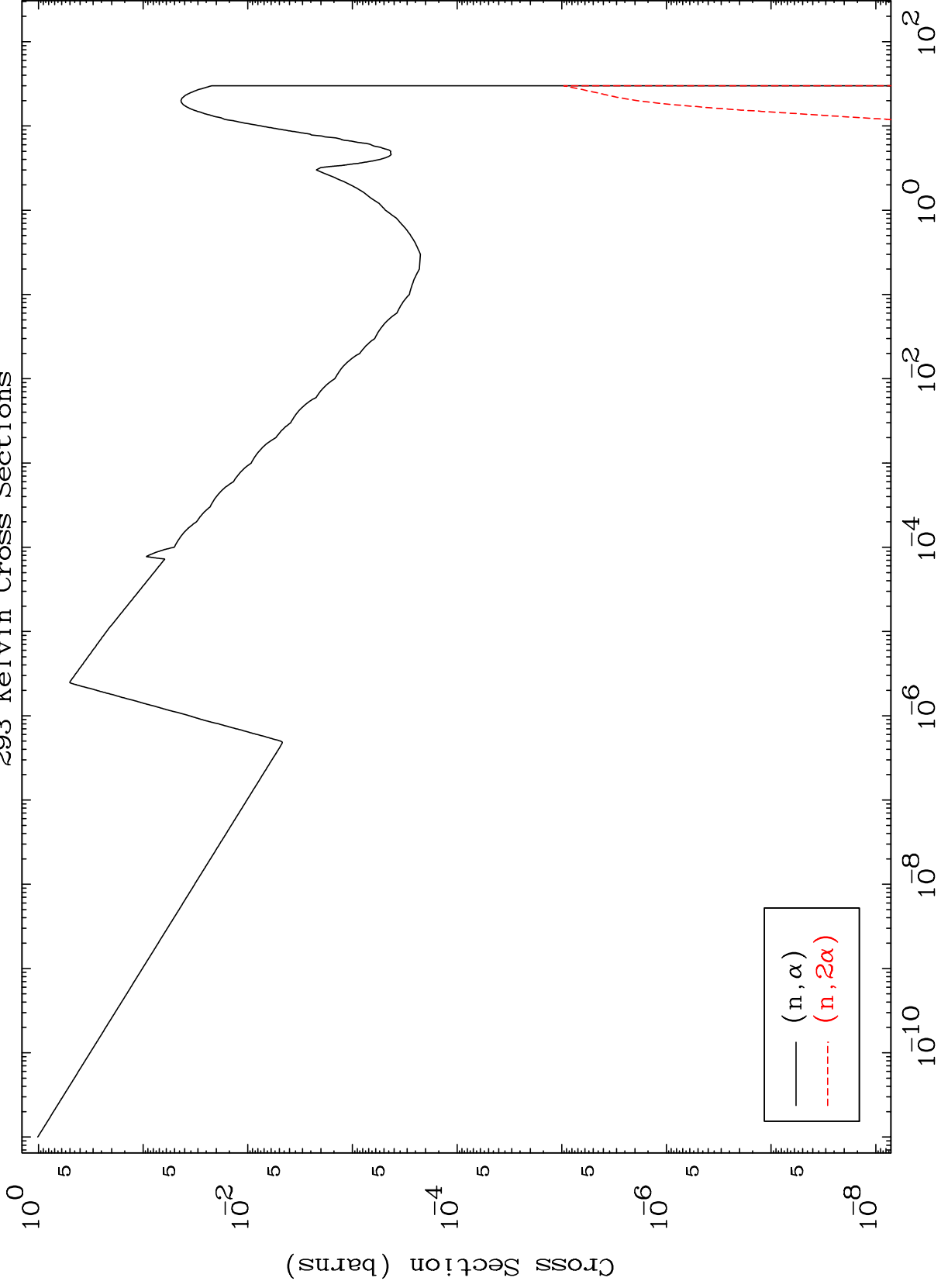
Incident Energy (MeV)

64-Gd-145

MAT 6404

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

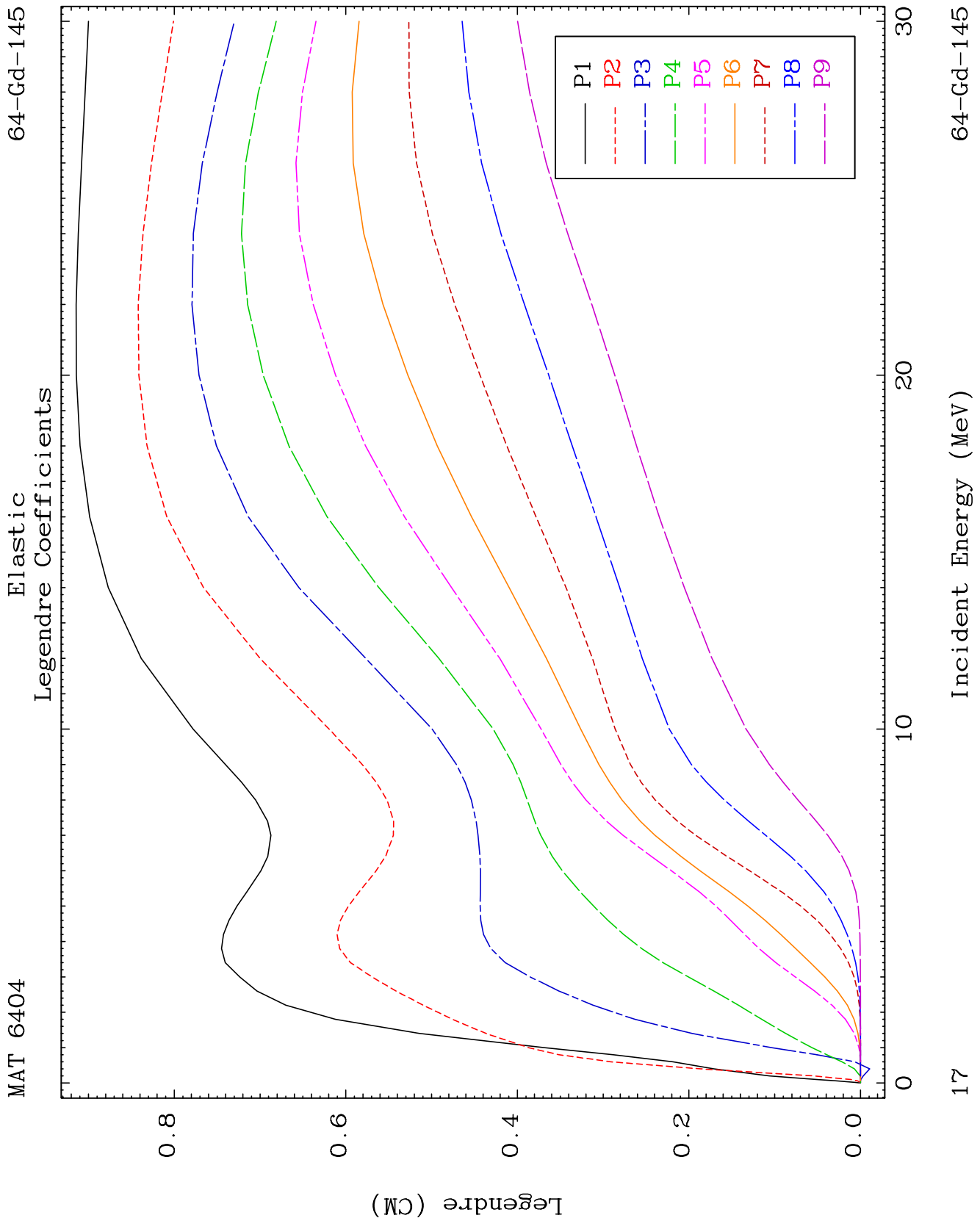
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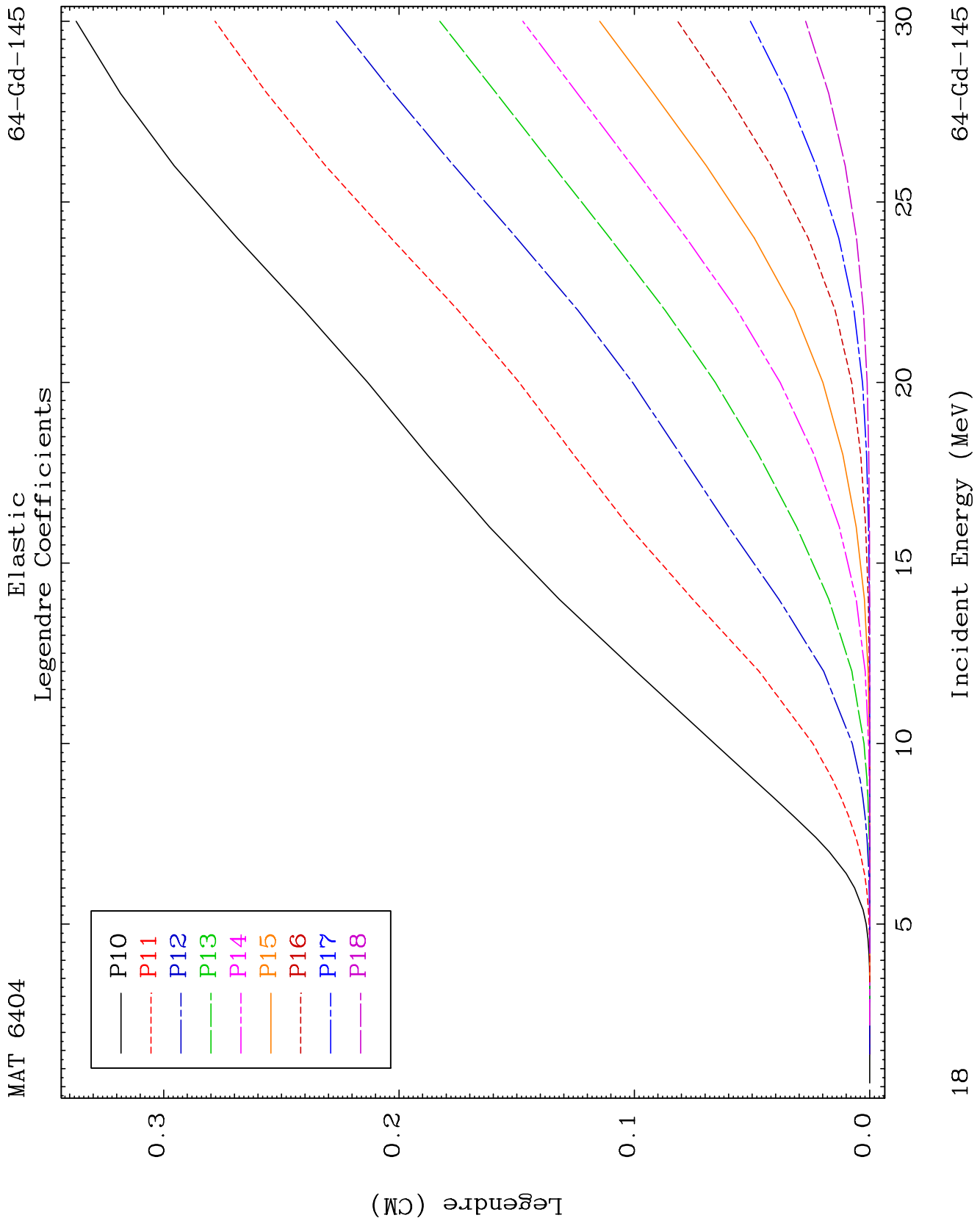


Incident Energy (MeV)

64-Gd-145

16

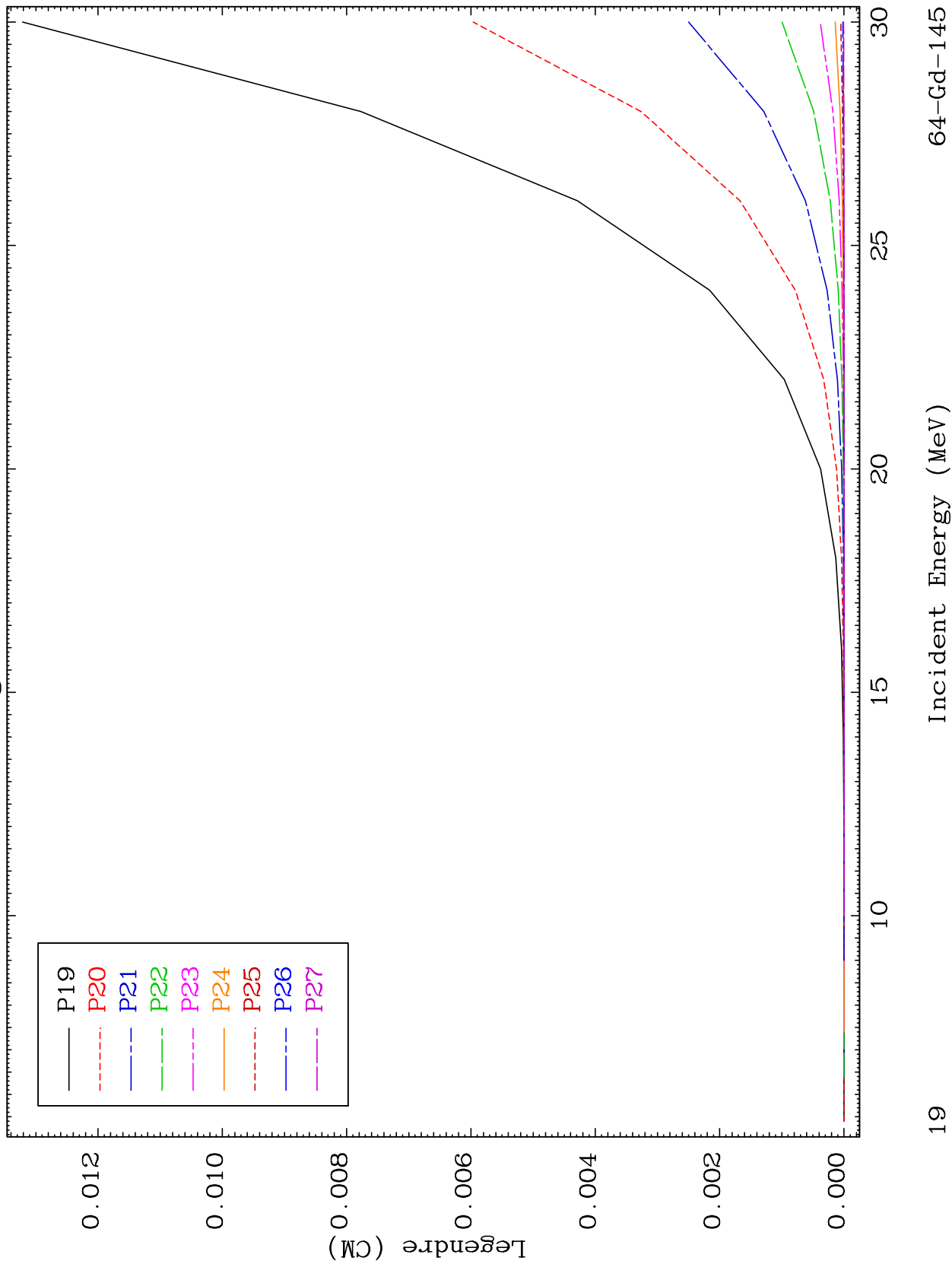




MAT 6404

### Elastic Legendre Coefficients

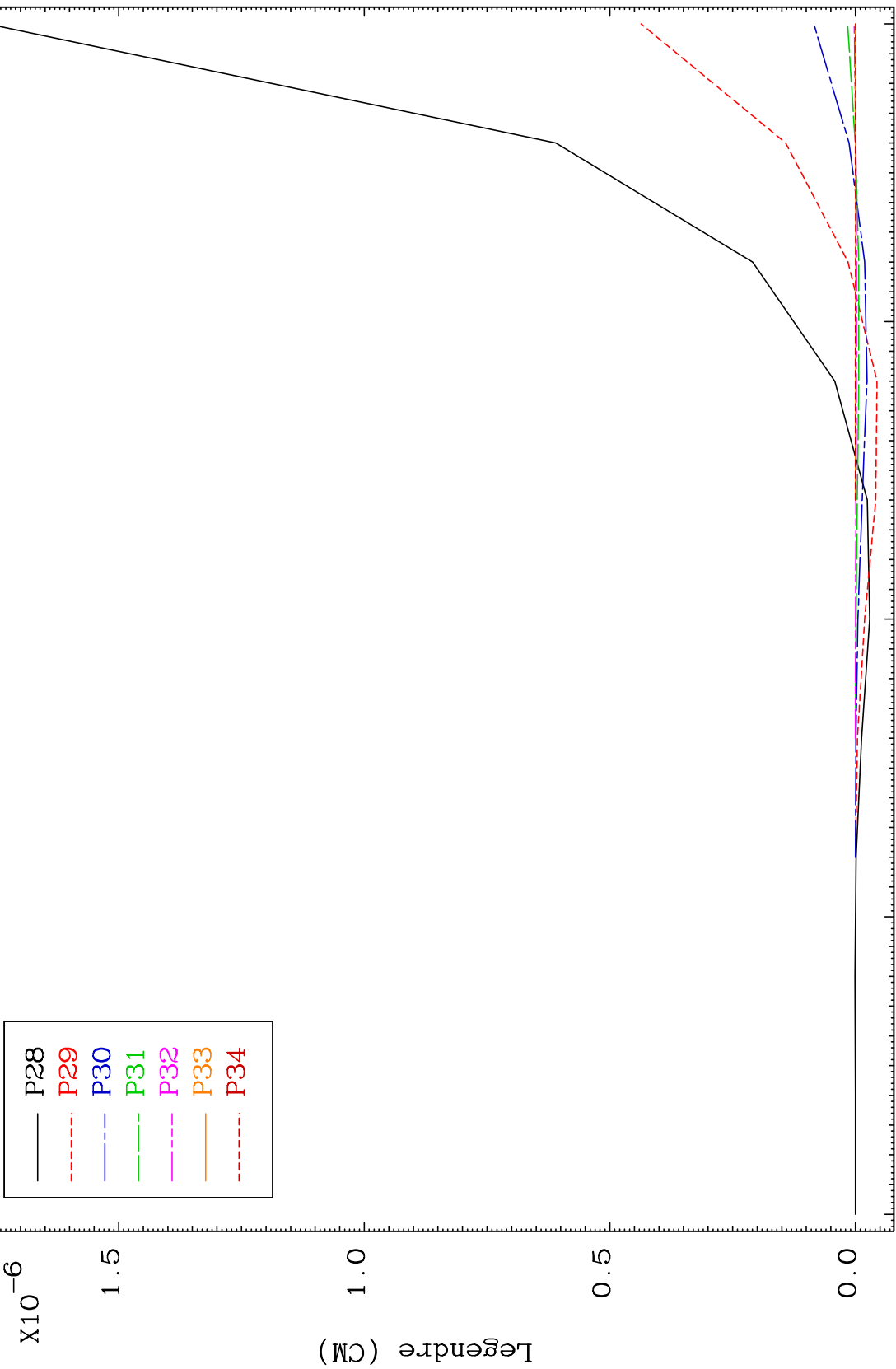
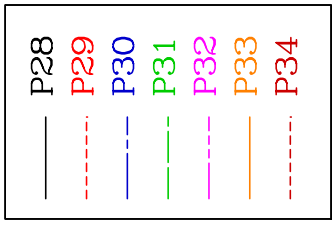
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MAT 6404

Elastic Legendre Coefficients

64-Gd-145



20

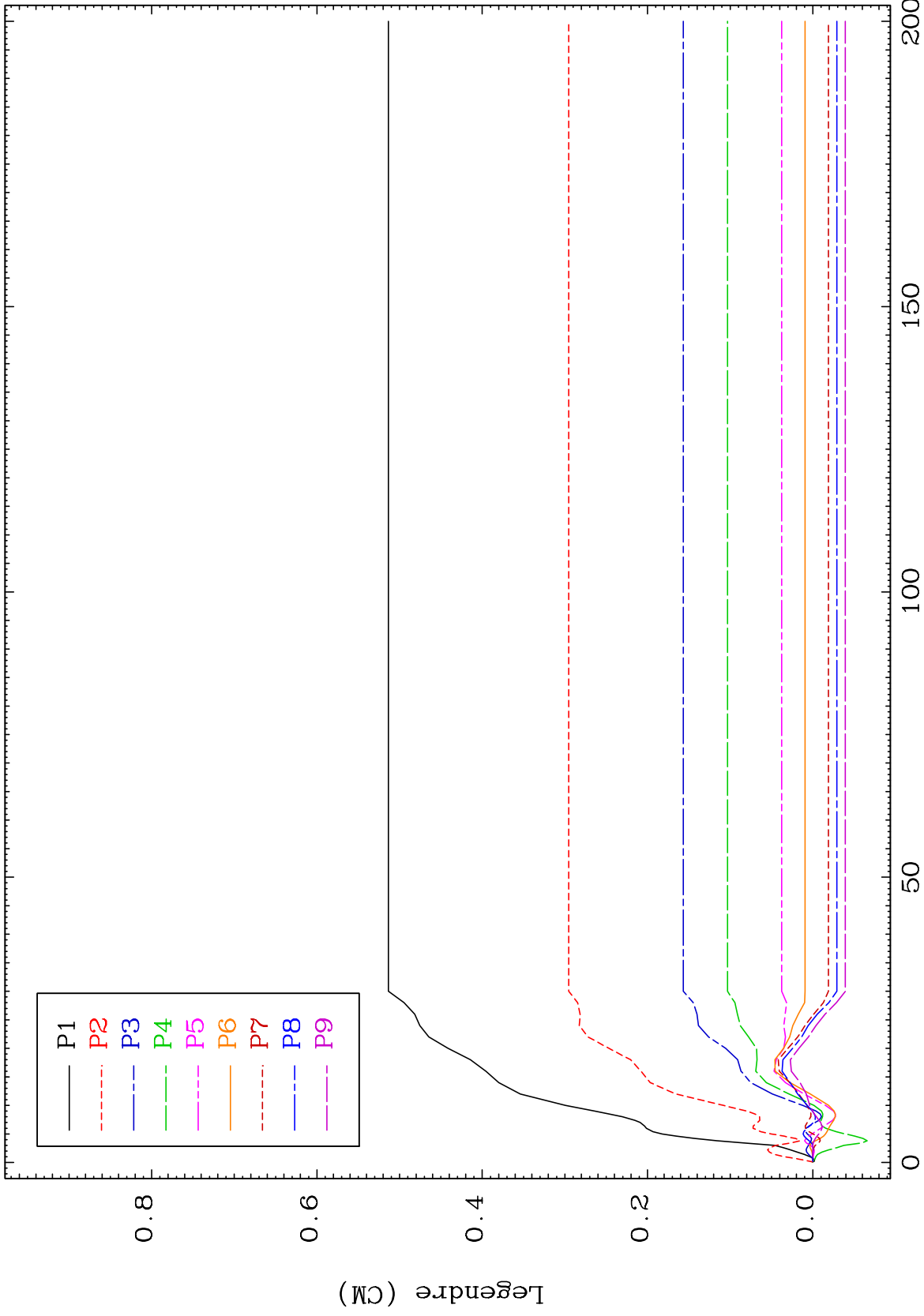
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



21

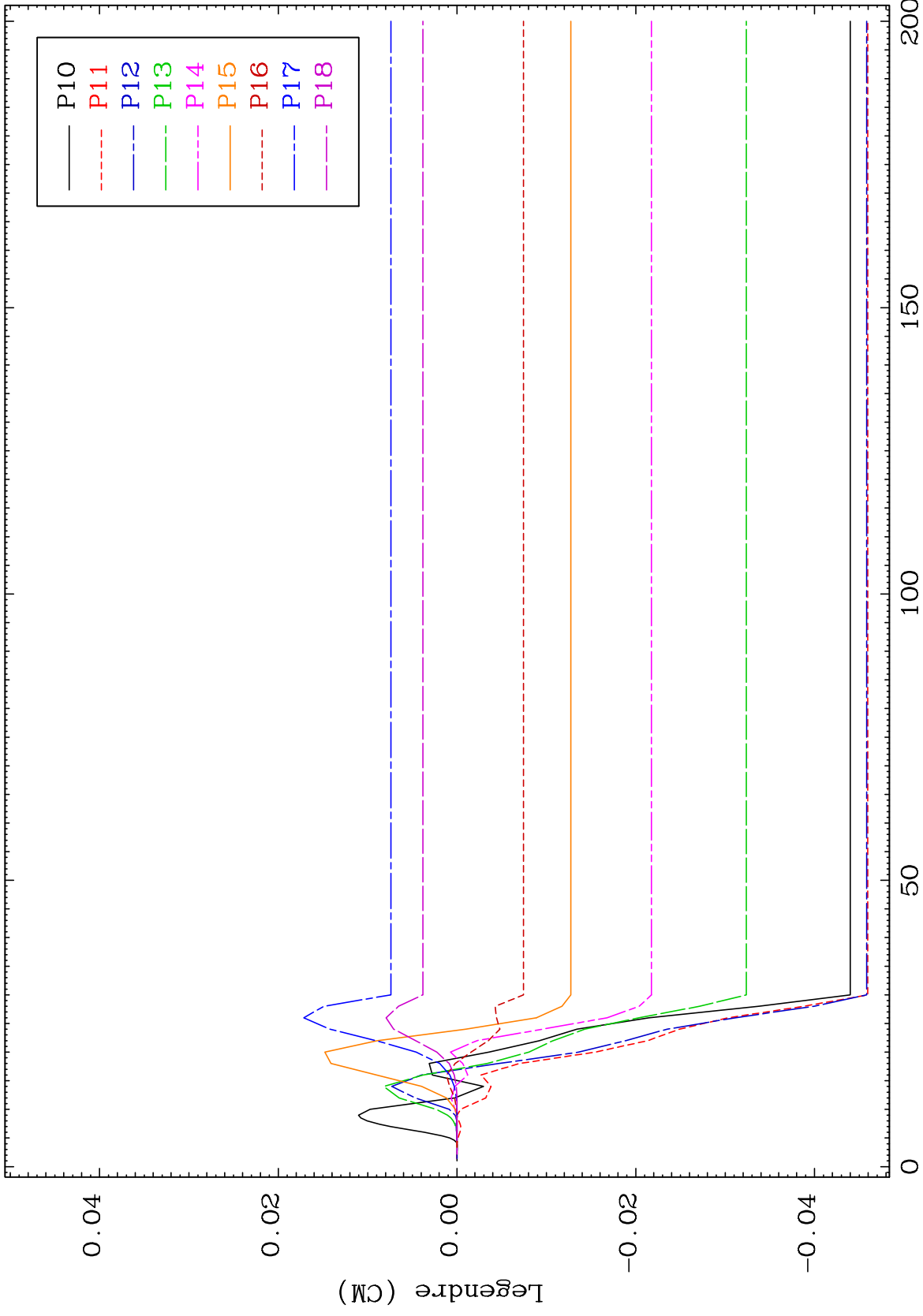
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



22

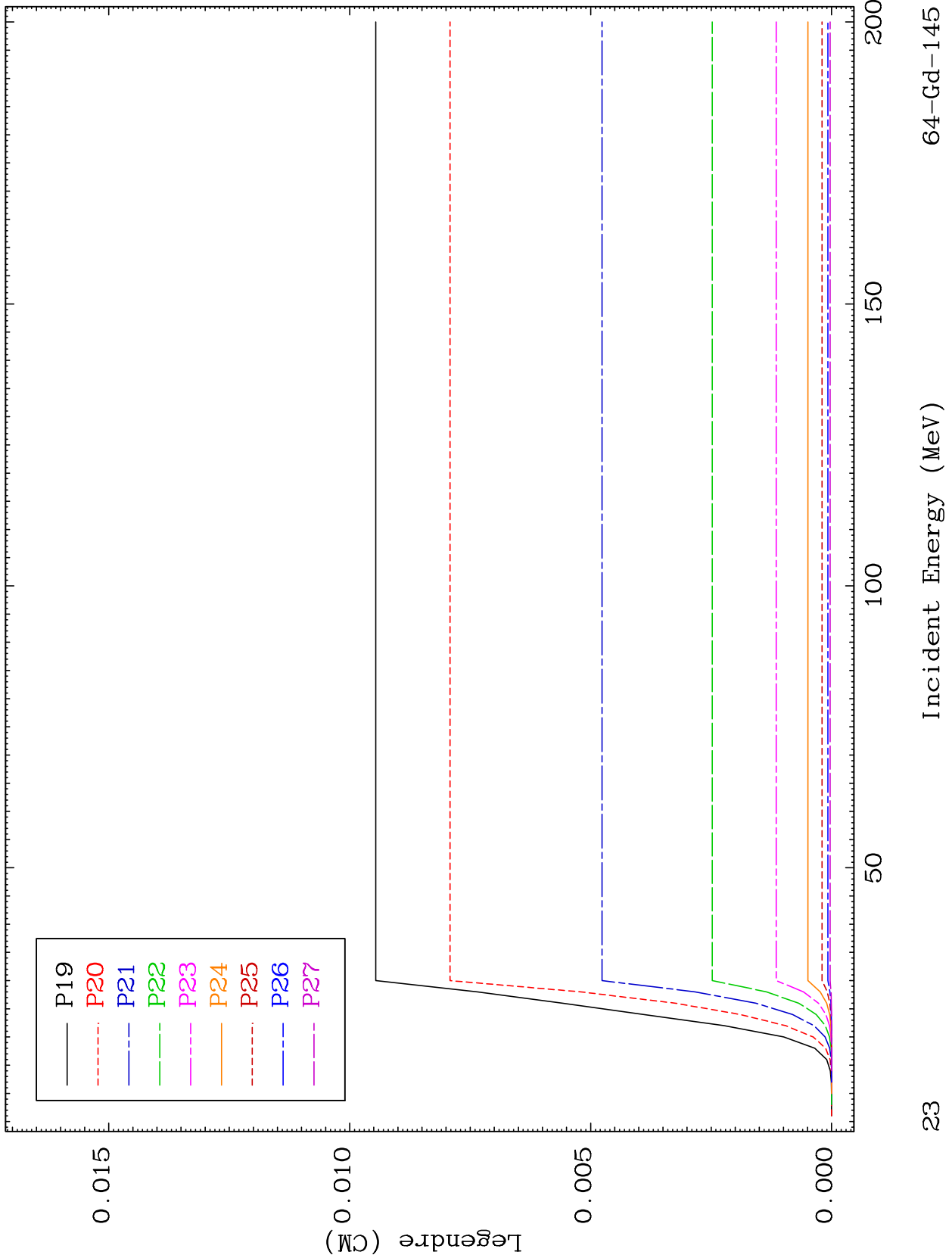
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

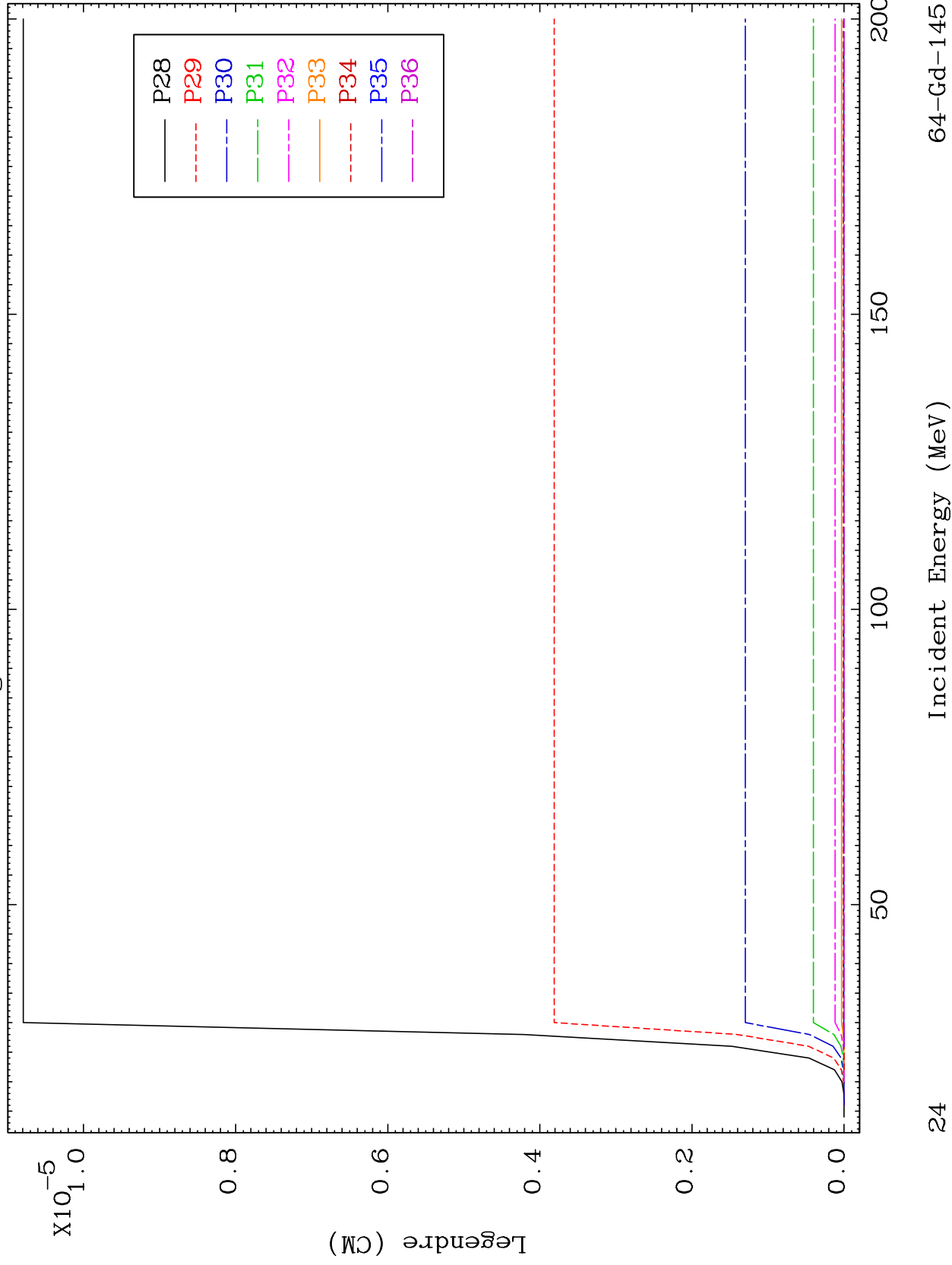
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MAT 6404

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

64-Gd-145



64-Gd-145

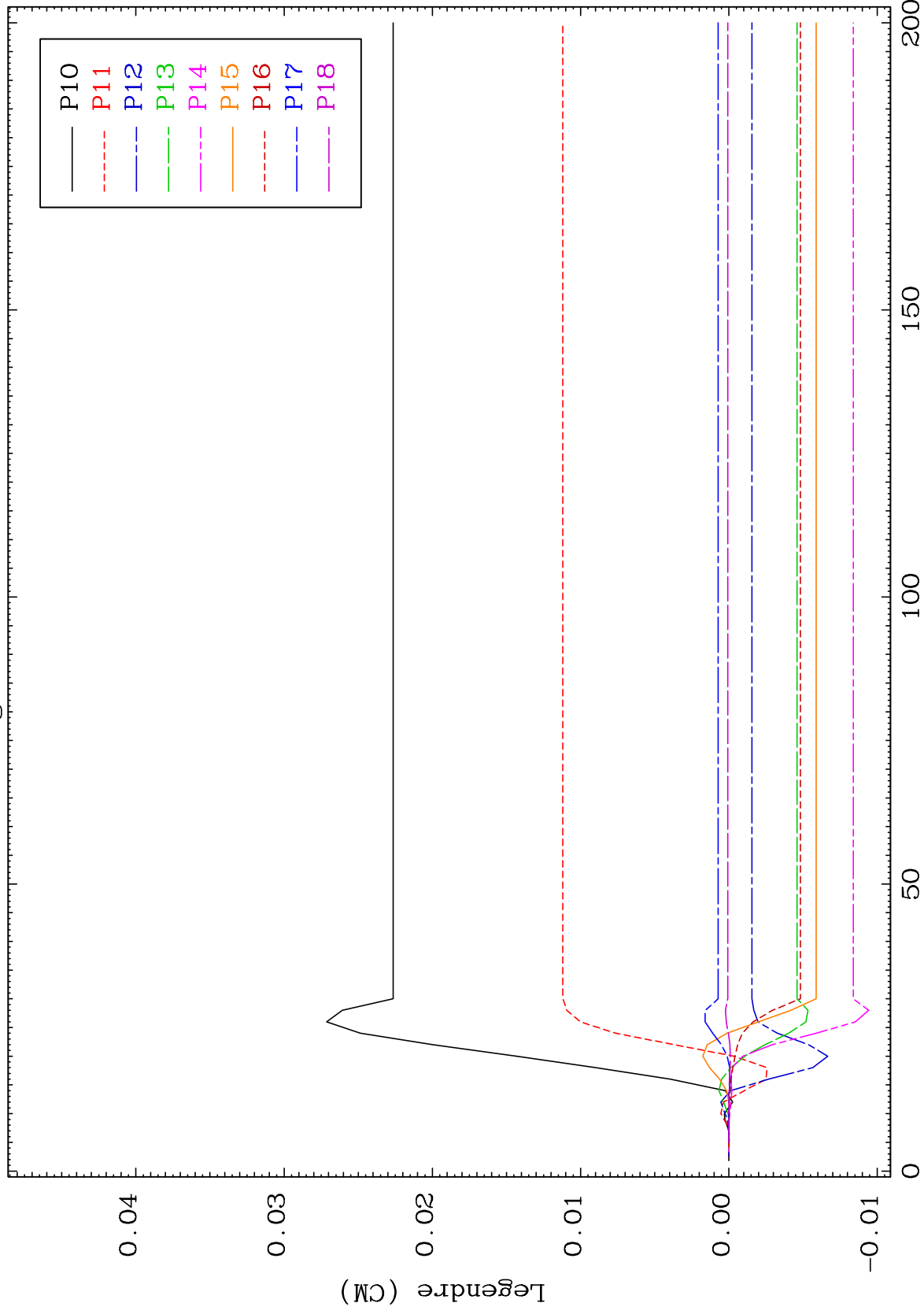
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MAT 6404

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

64-Gd-145



26

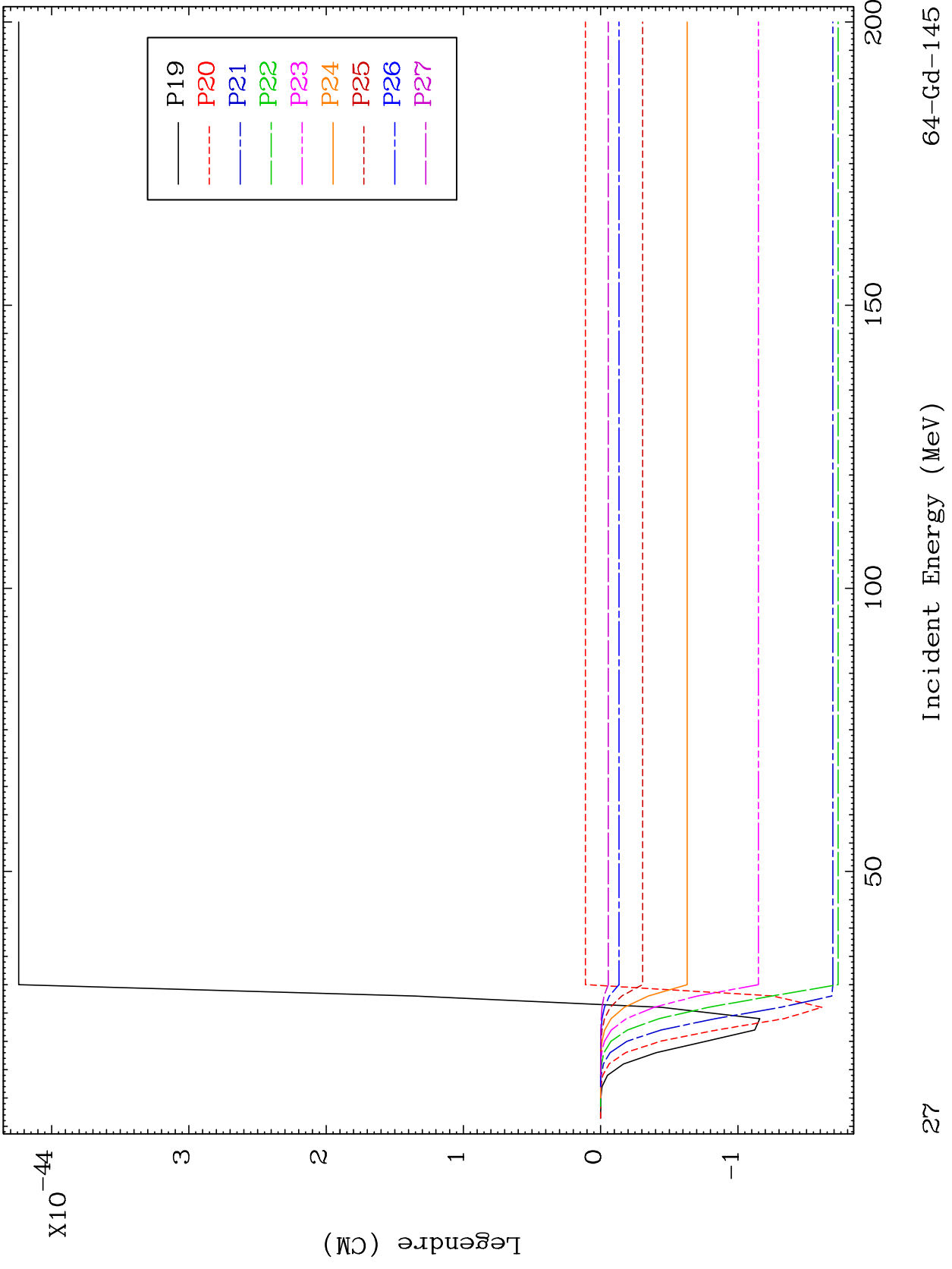
Incident Energy (MeV)

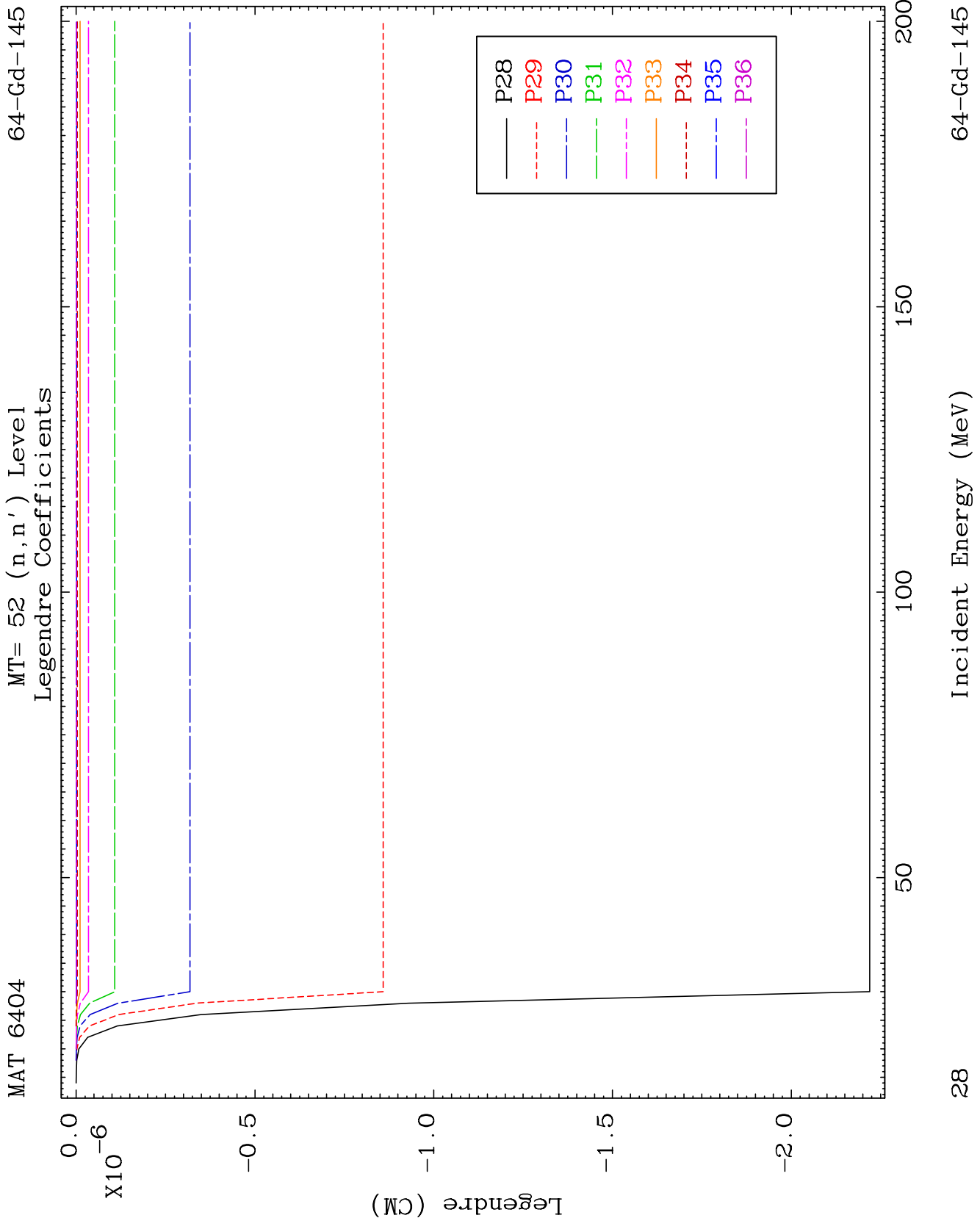
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MAT 6404

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

64-Gd-145

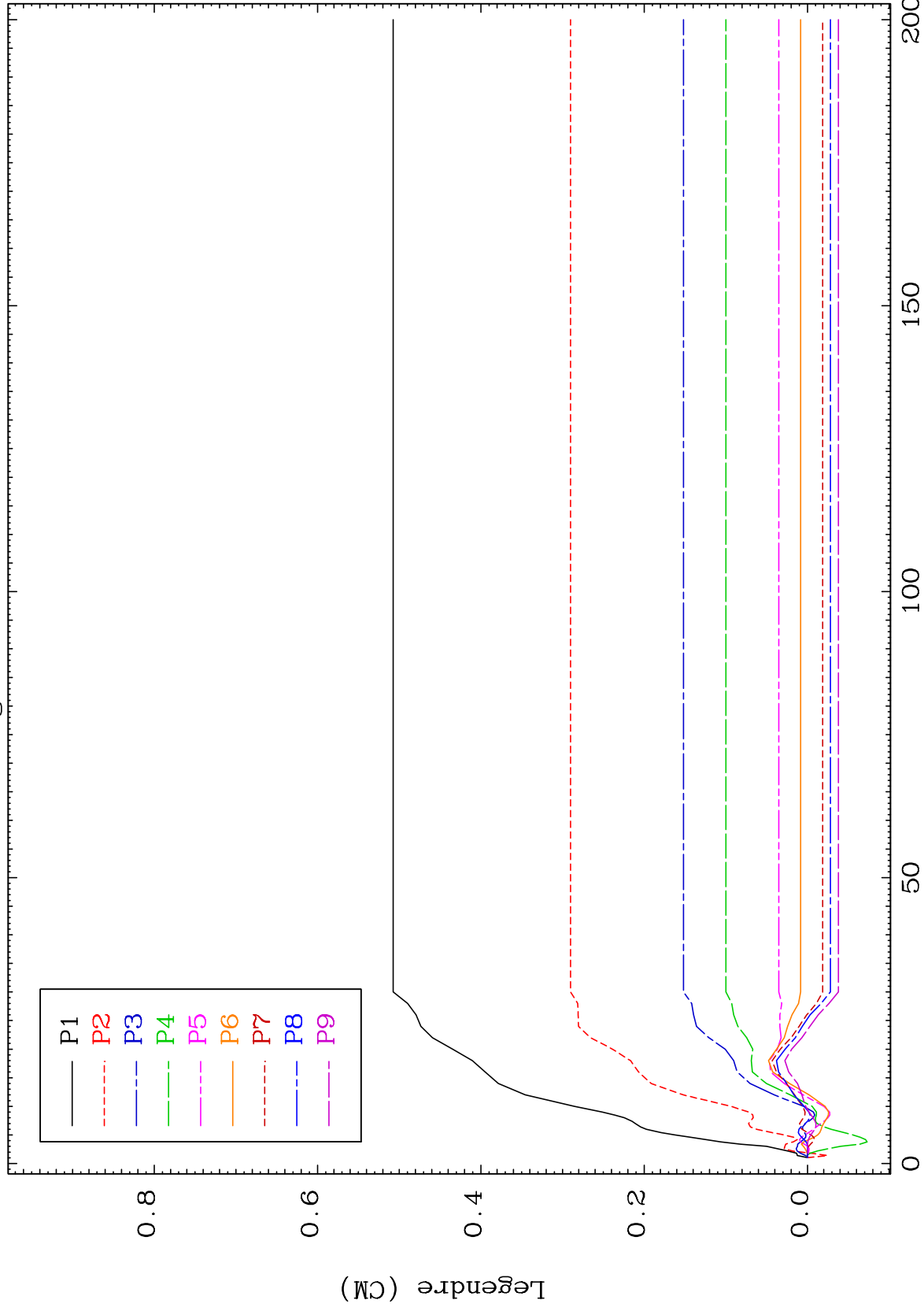




MAT 6404

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

64-Gd-145



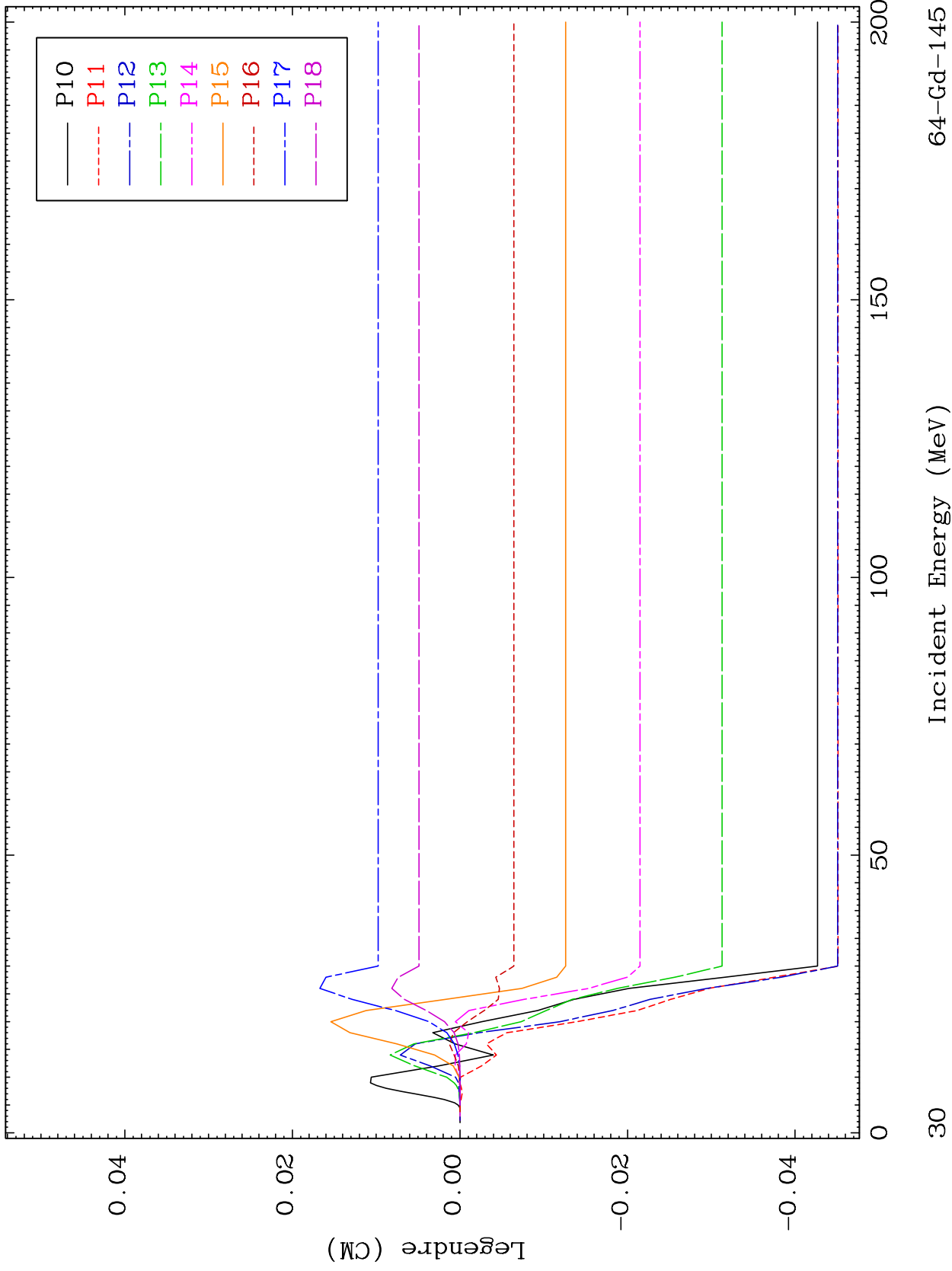
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64-Gd-145

MAT 6404

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

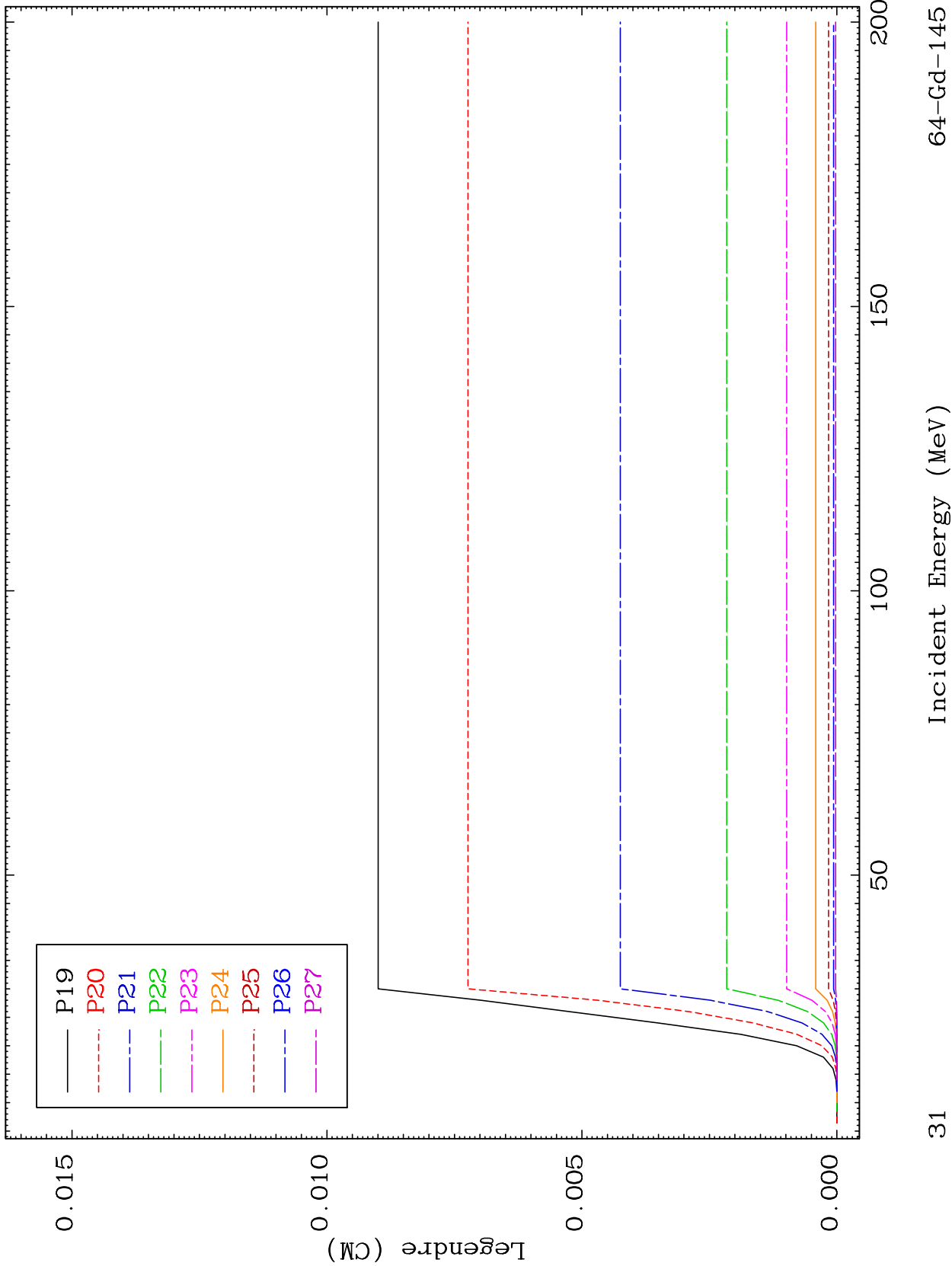
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MAT 6404

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

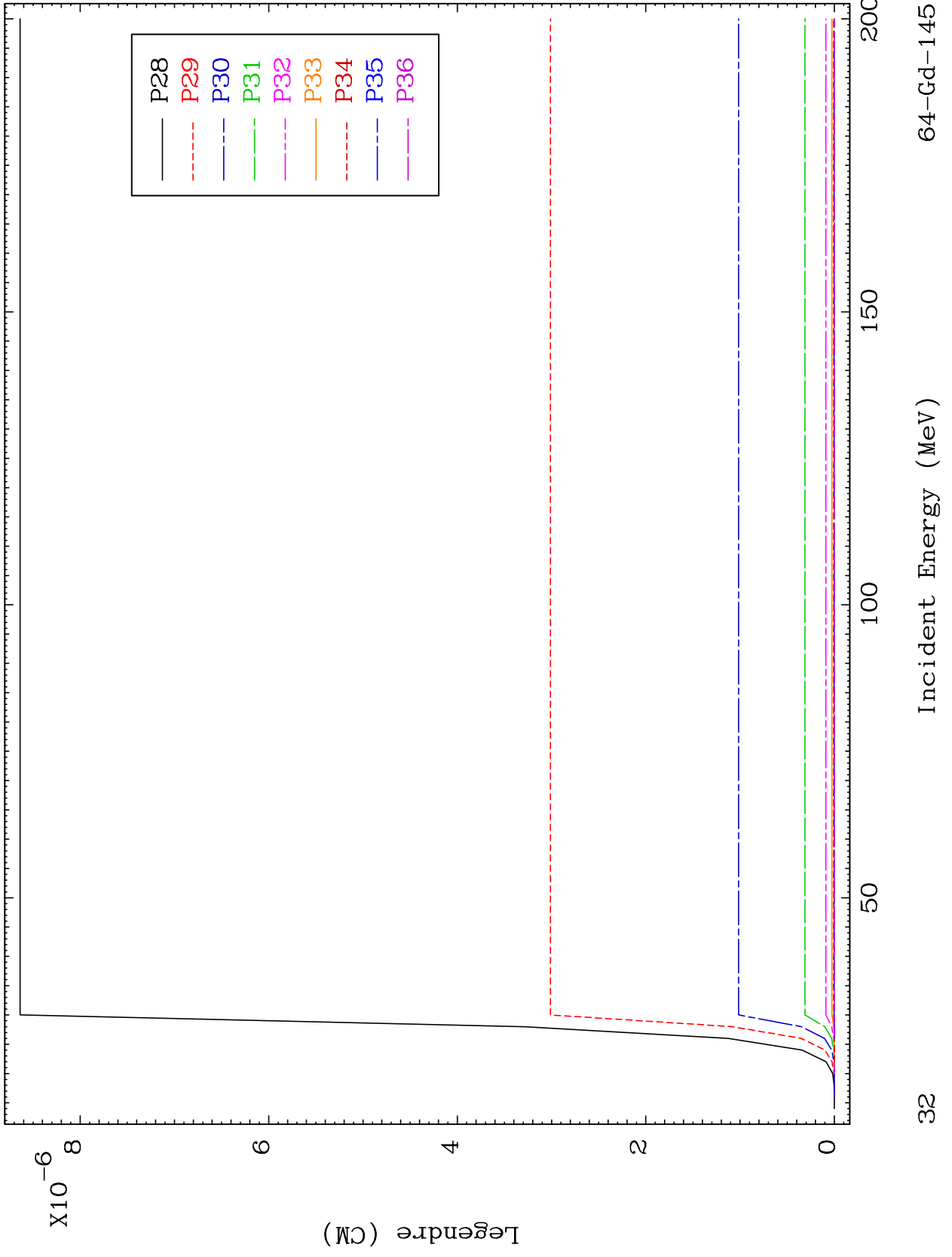
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MAT 6404

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

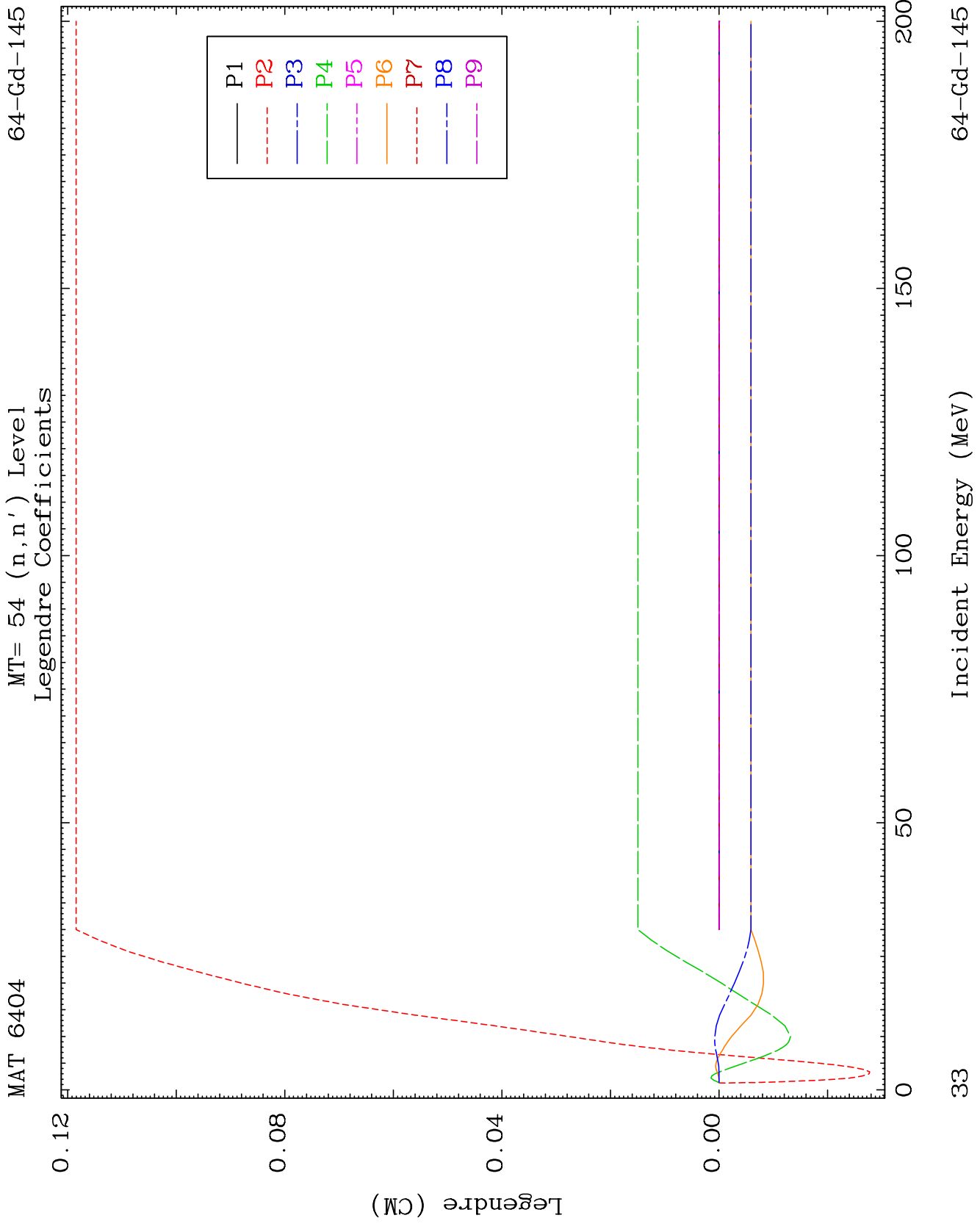
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32

Incident Energy (MeV)

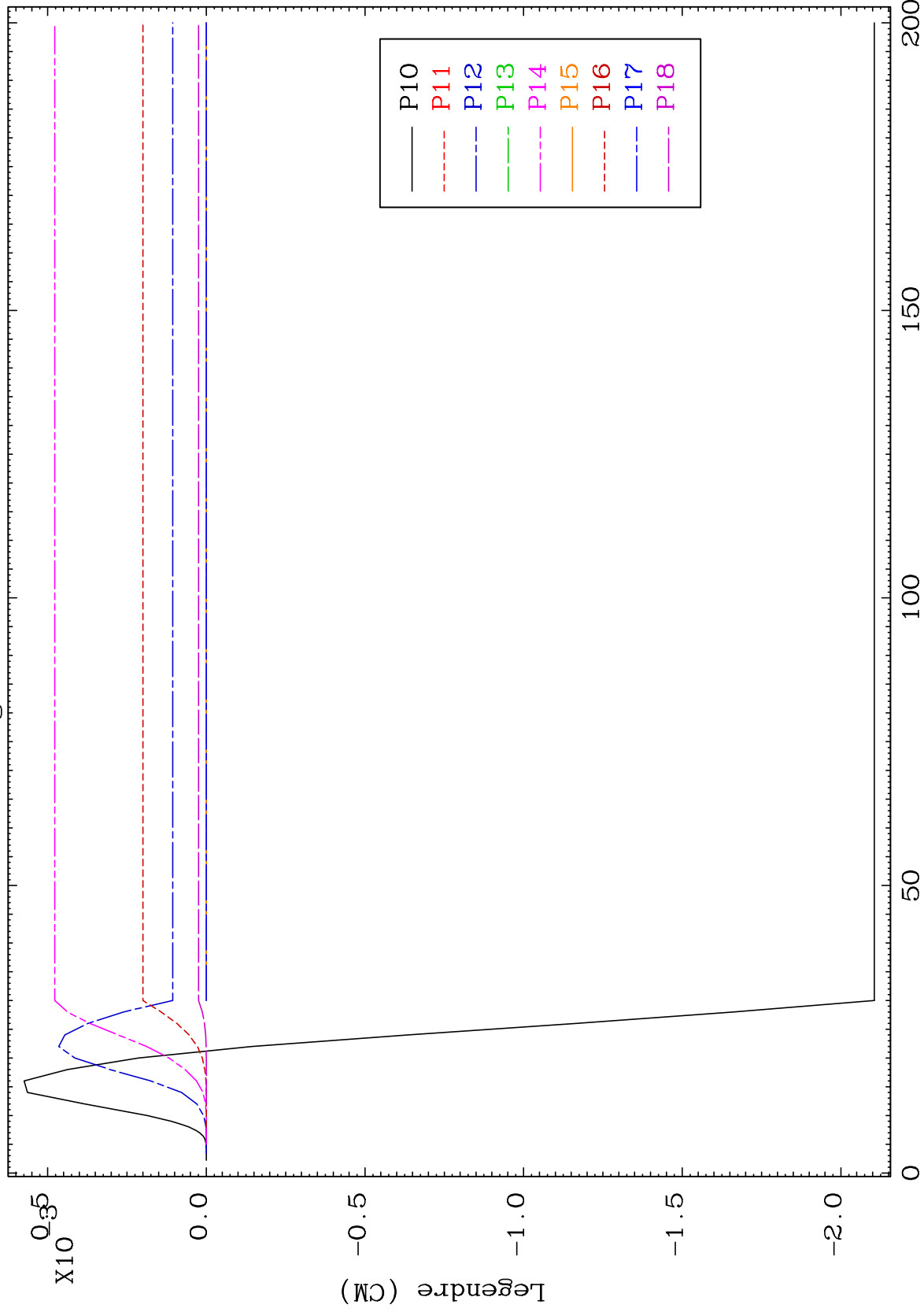
64-Gd-145



MAT 6404

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

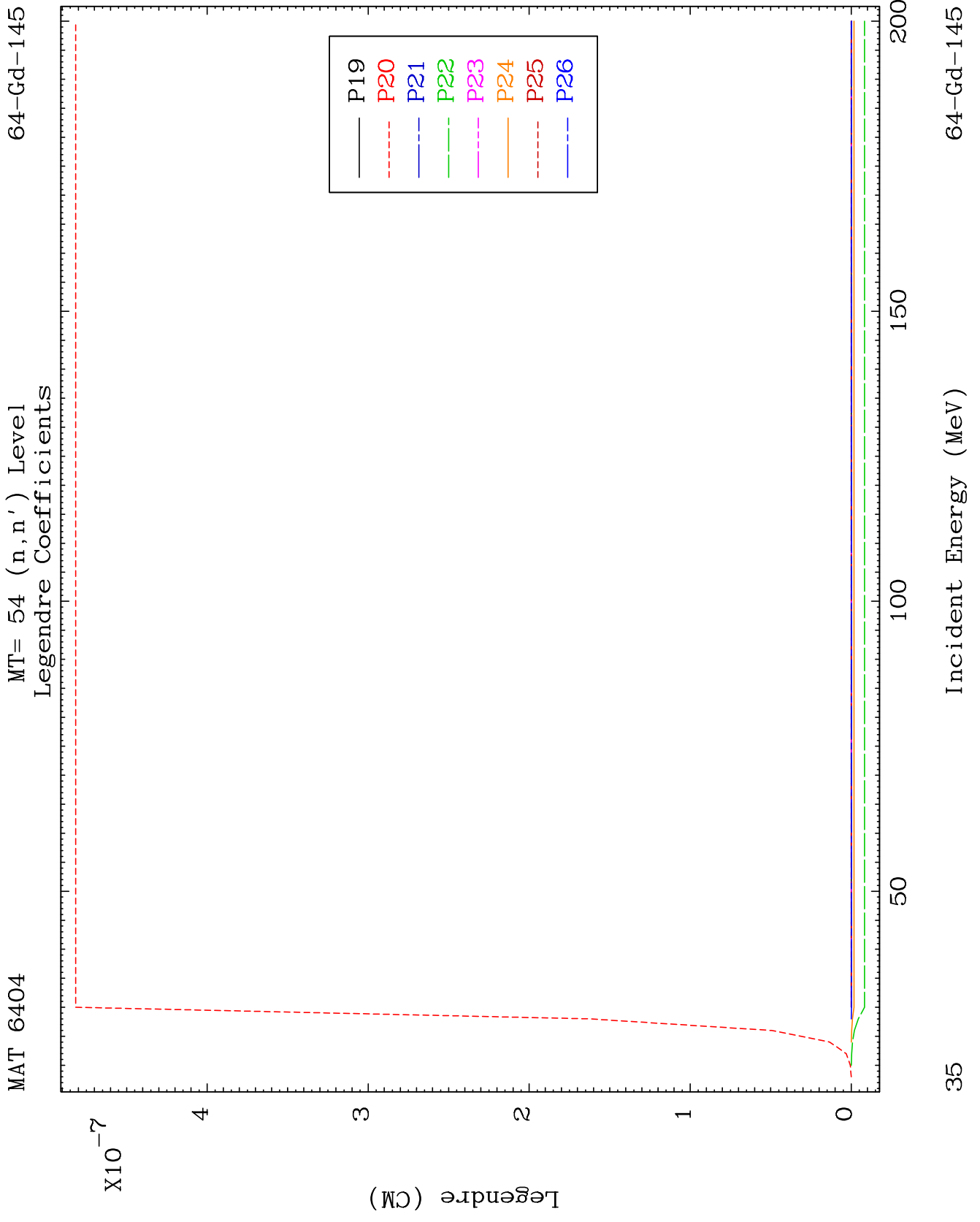
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34

Incident Energy (MeV)

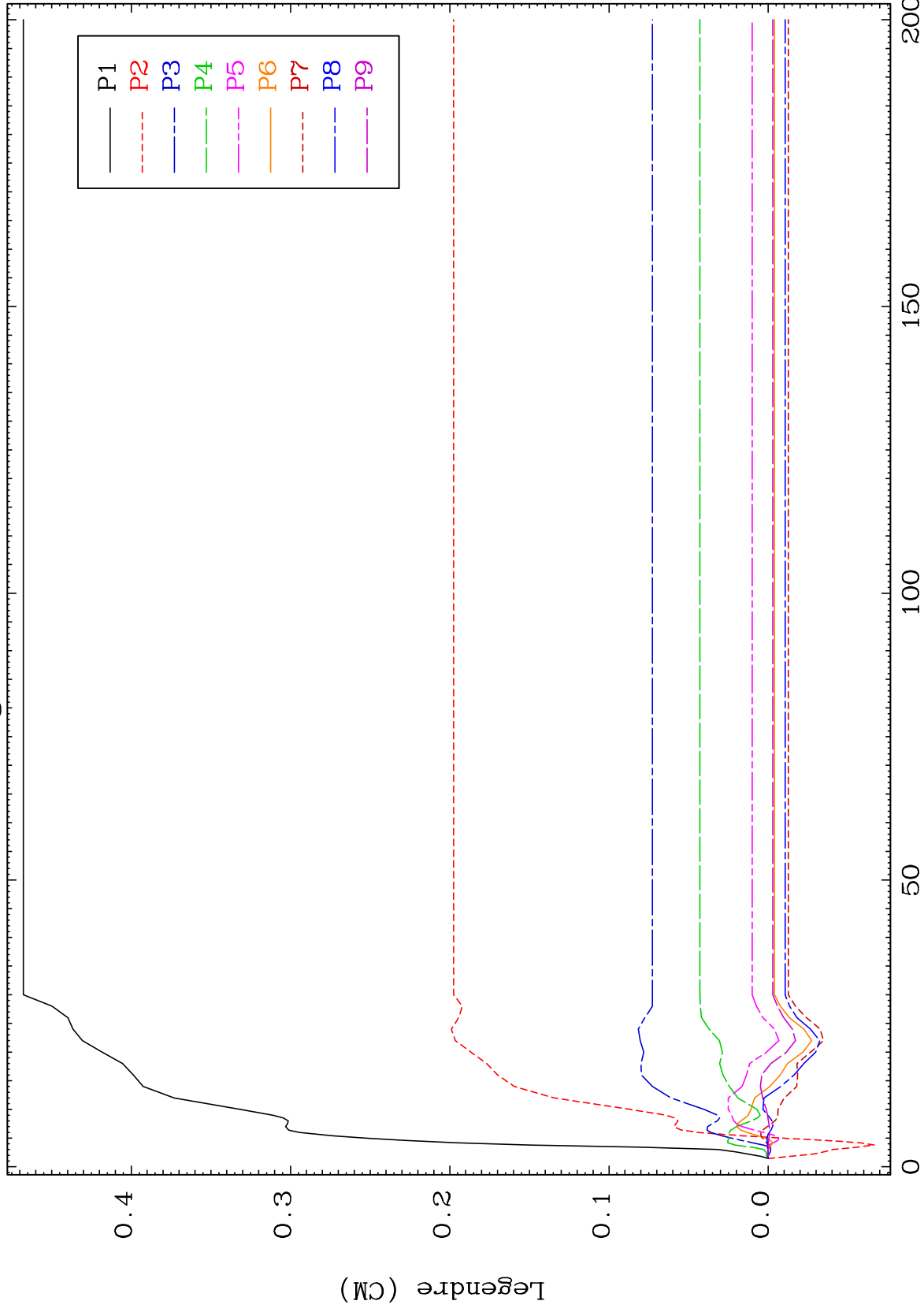
64-Gd-145



MAT 6404

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

64-Gd-145



64-Gd-145

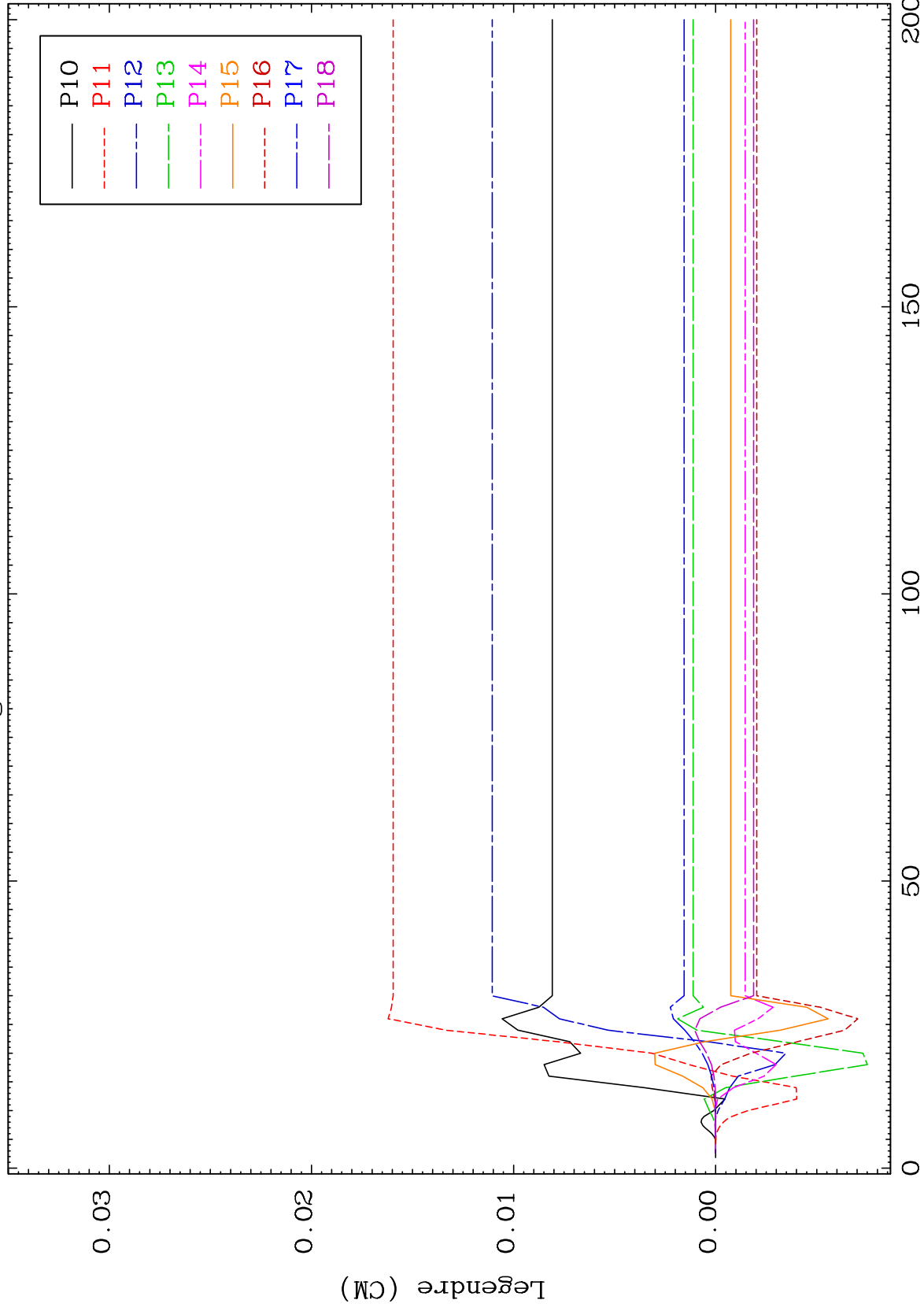
Incident Energy (MeV)

36

MAT 6404

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

64-Gd-145



37

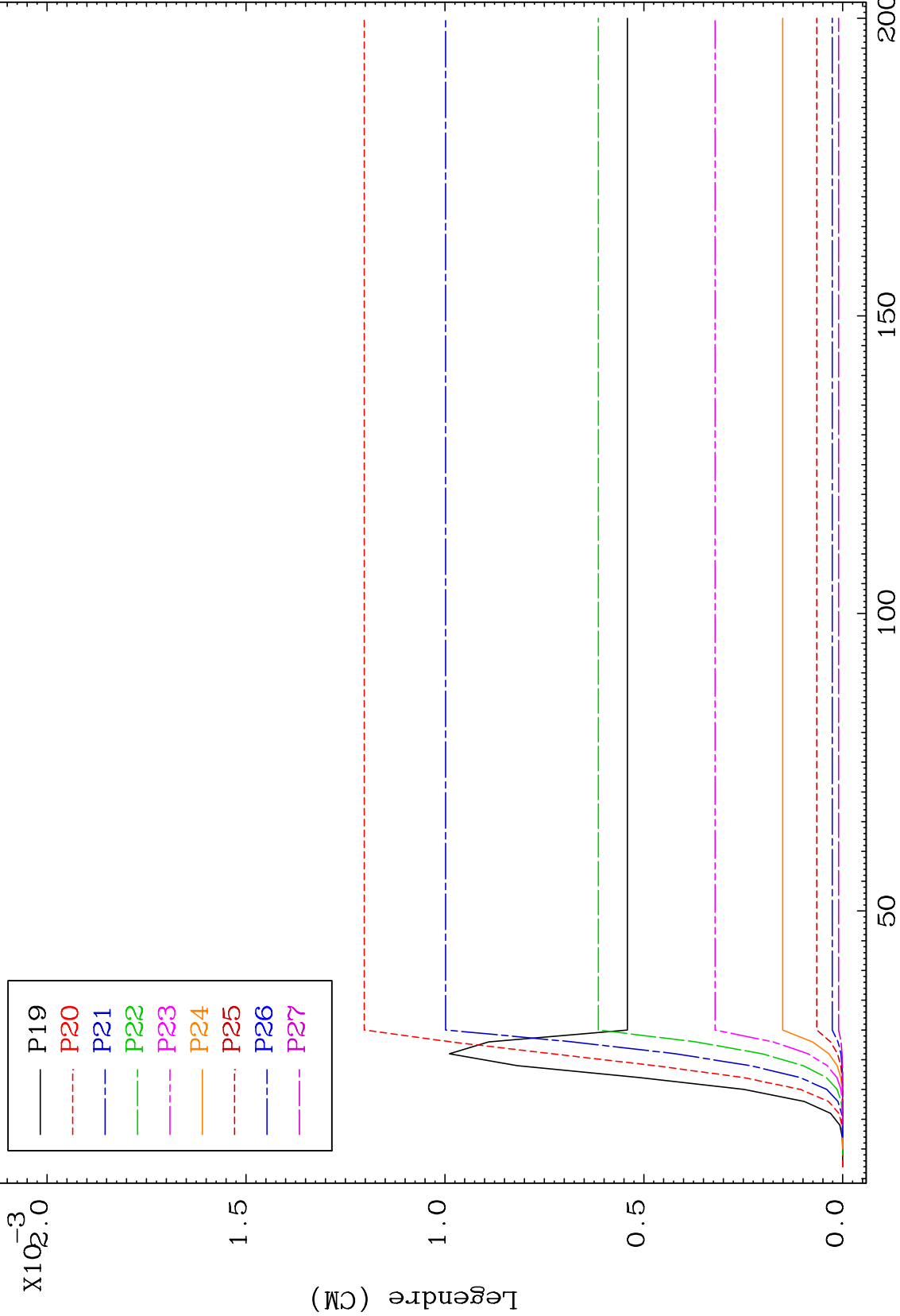
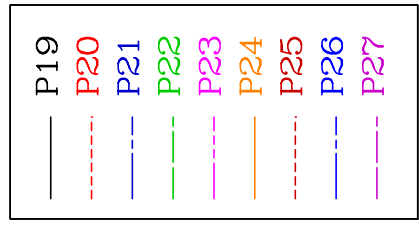
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



38

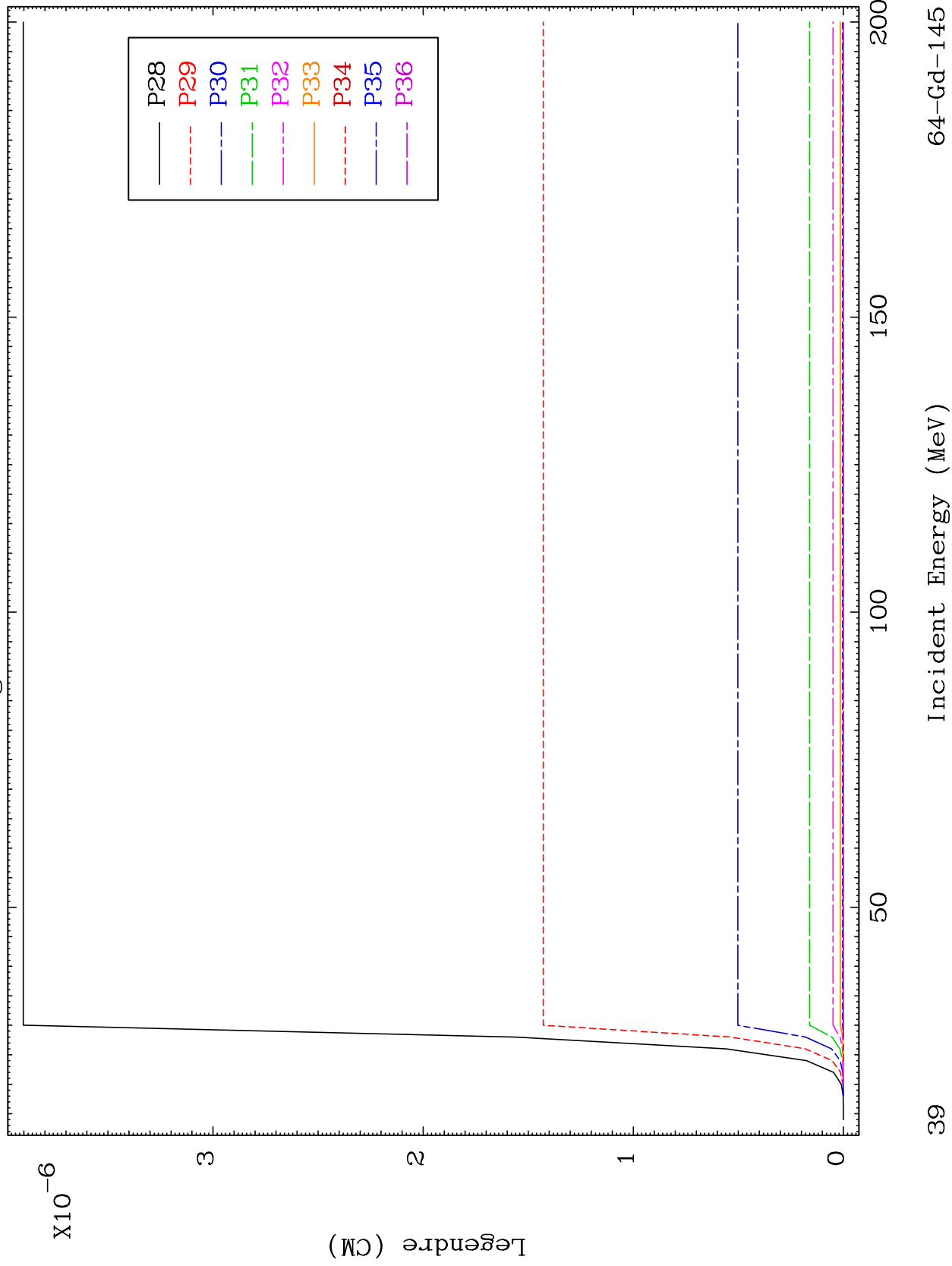
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



39

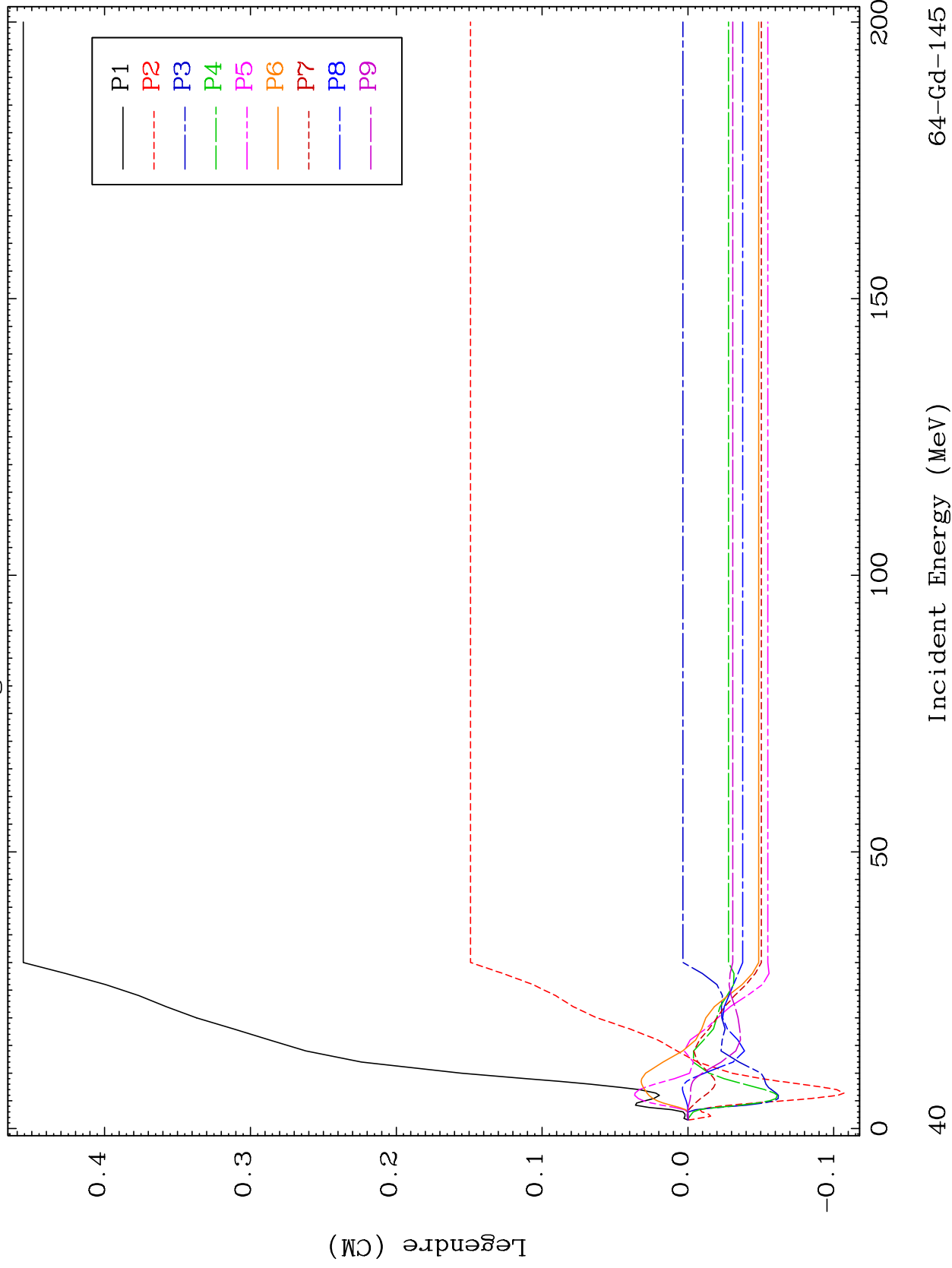
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145

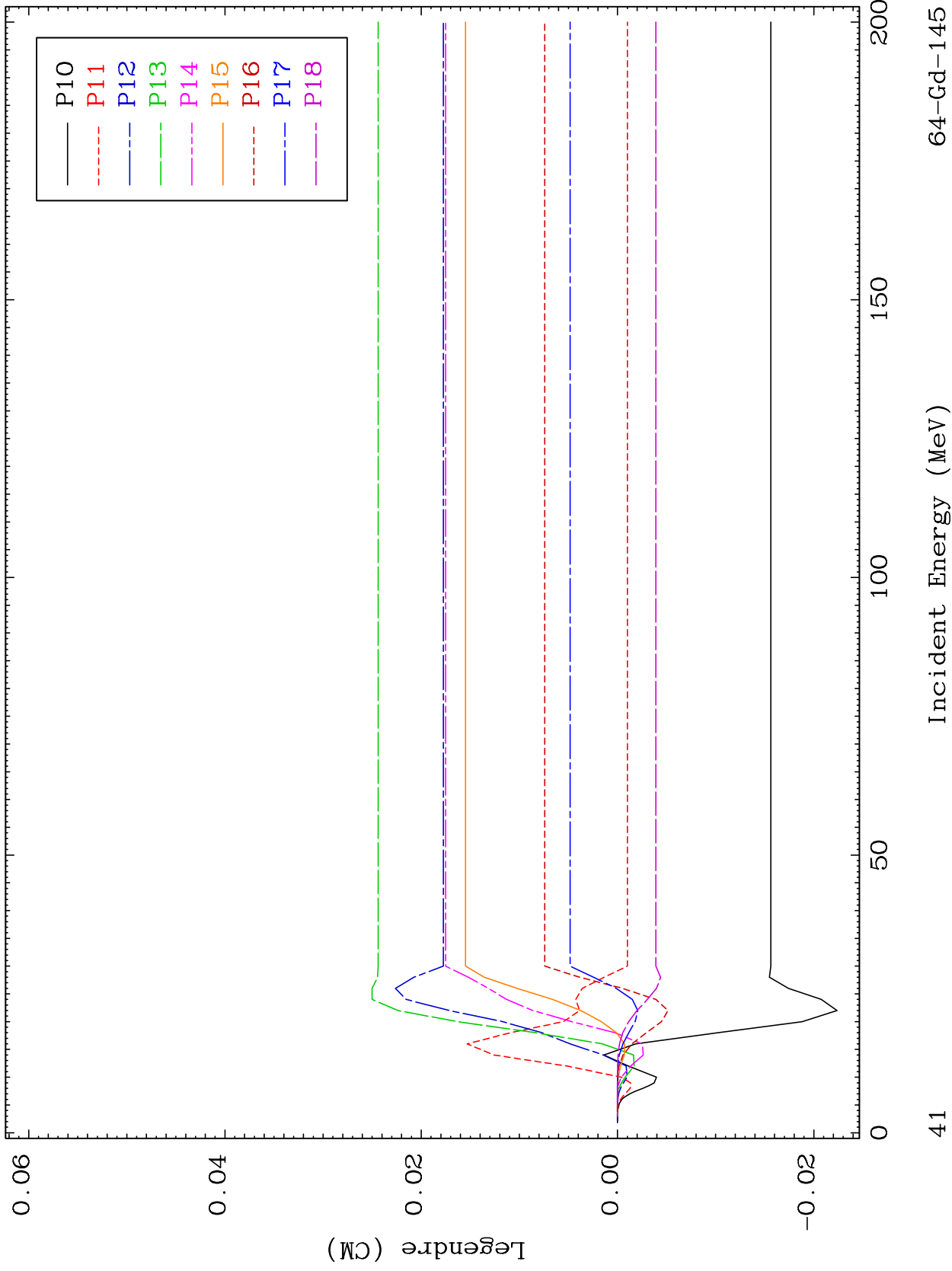


64-Gd-145

MAT 6404

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

64-Gd-145

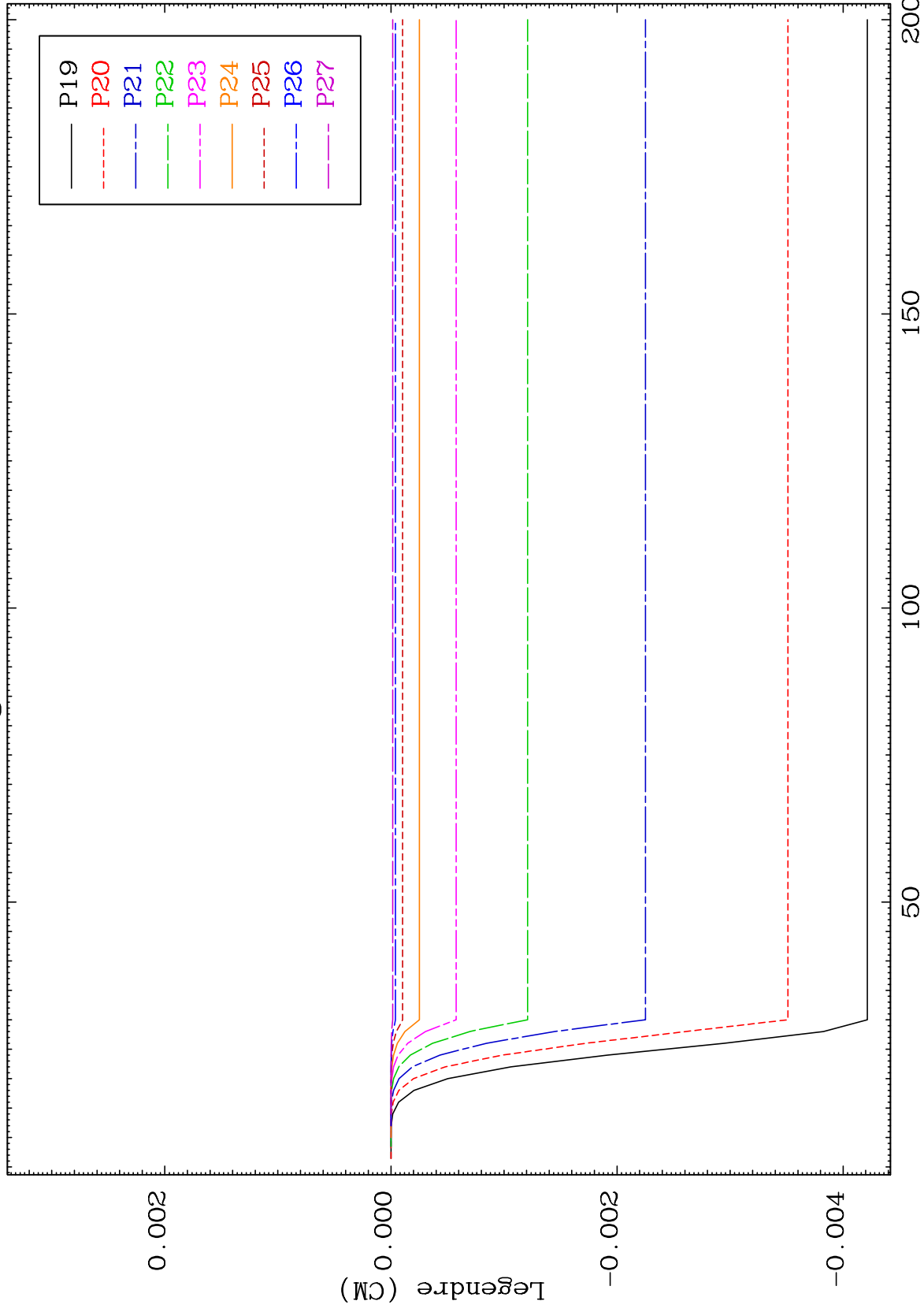


41

MAT 6404

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

64-Gd-145



42

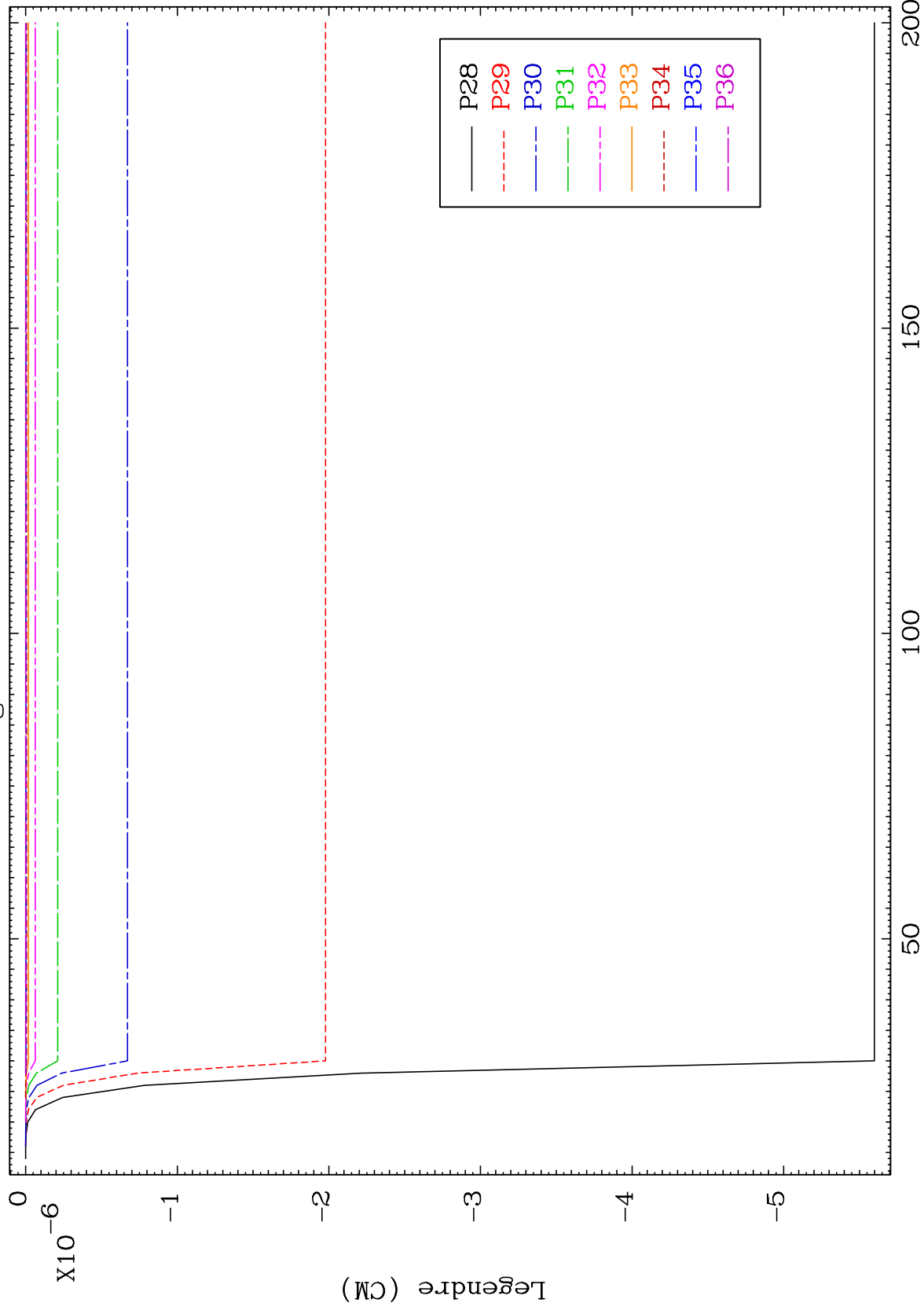
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

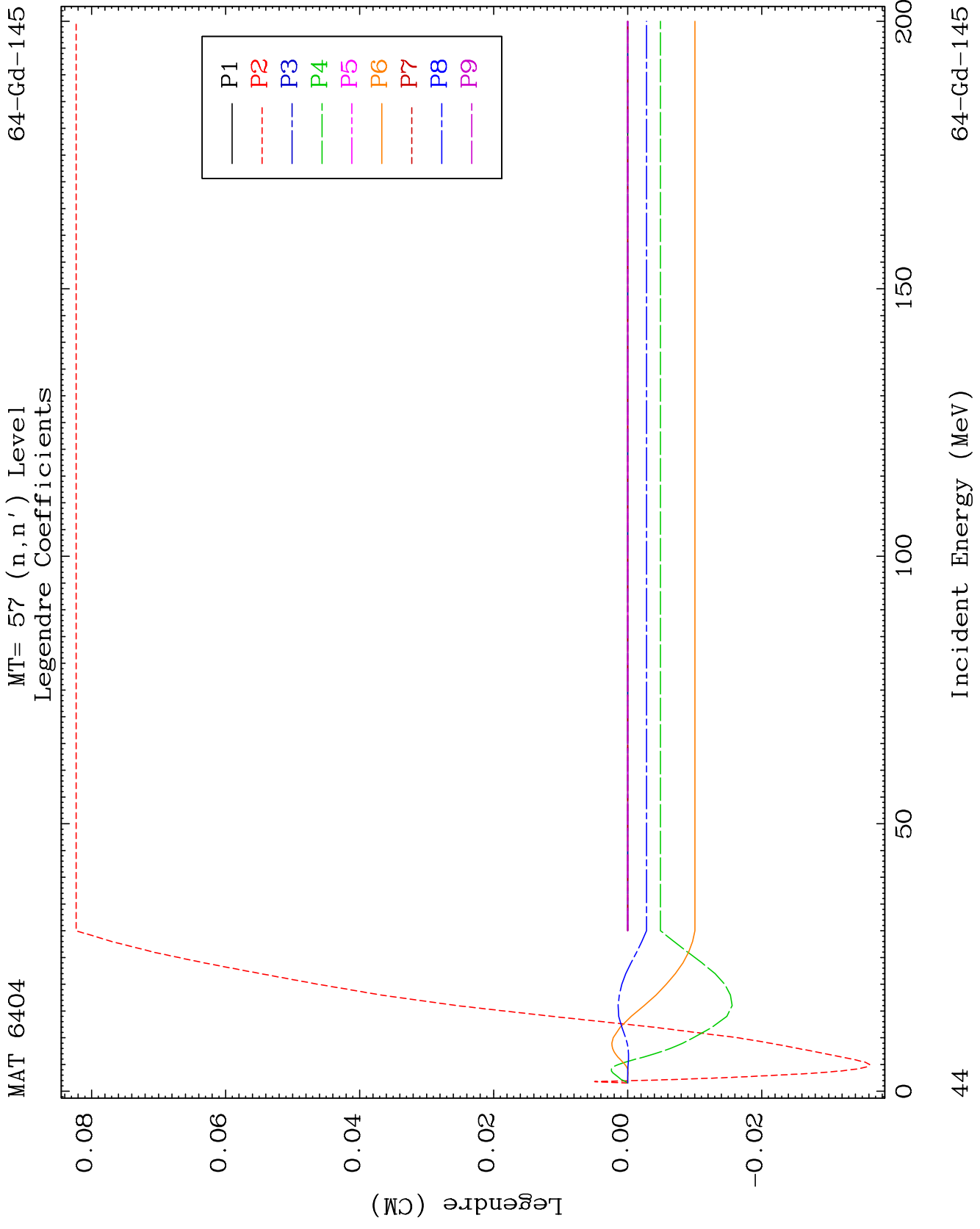
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Incident Energy (MeV)

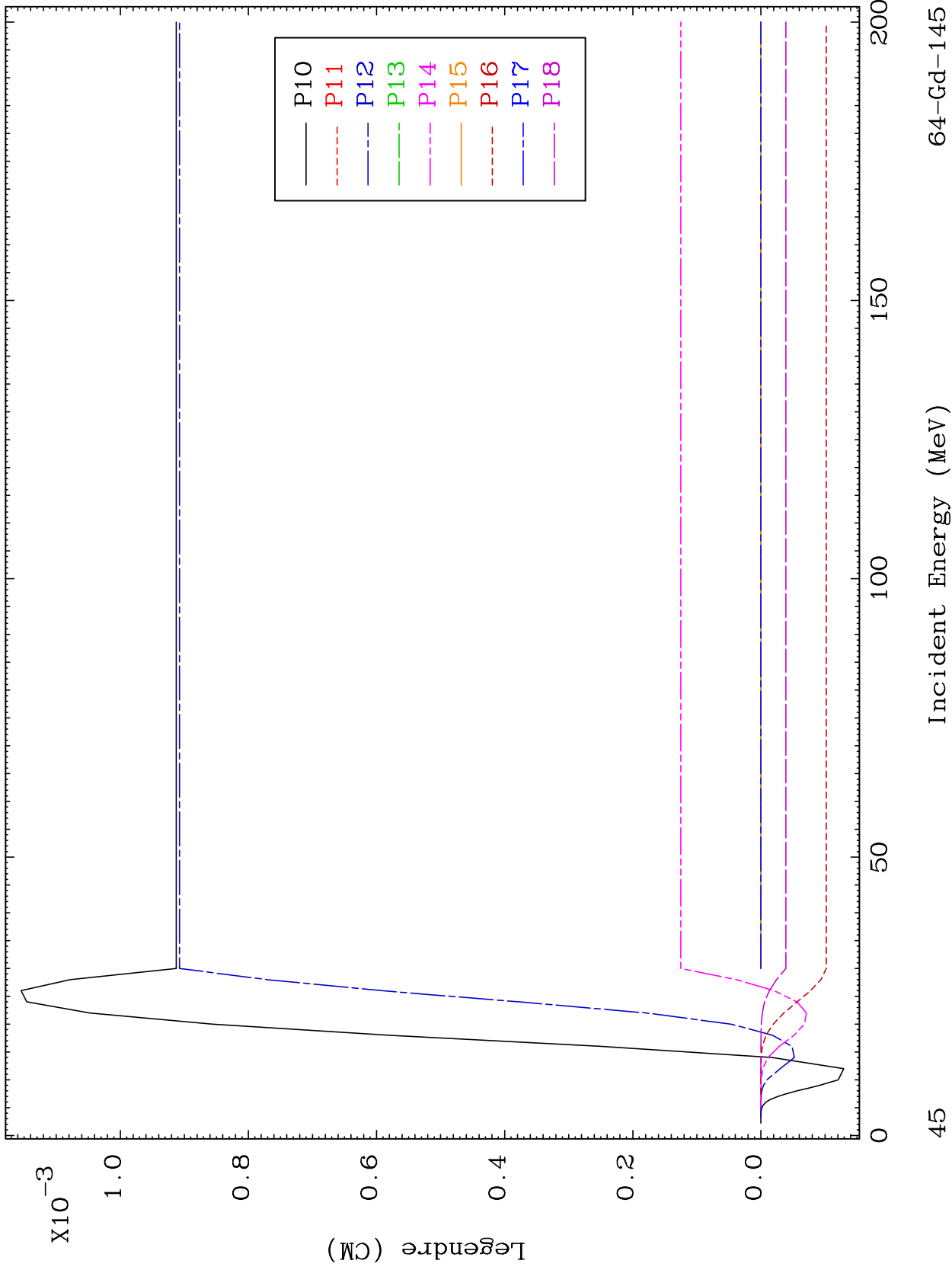
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MAT 6404

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

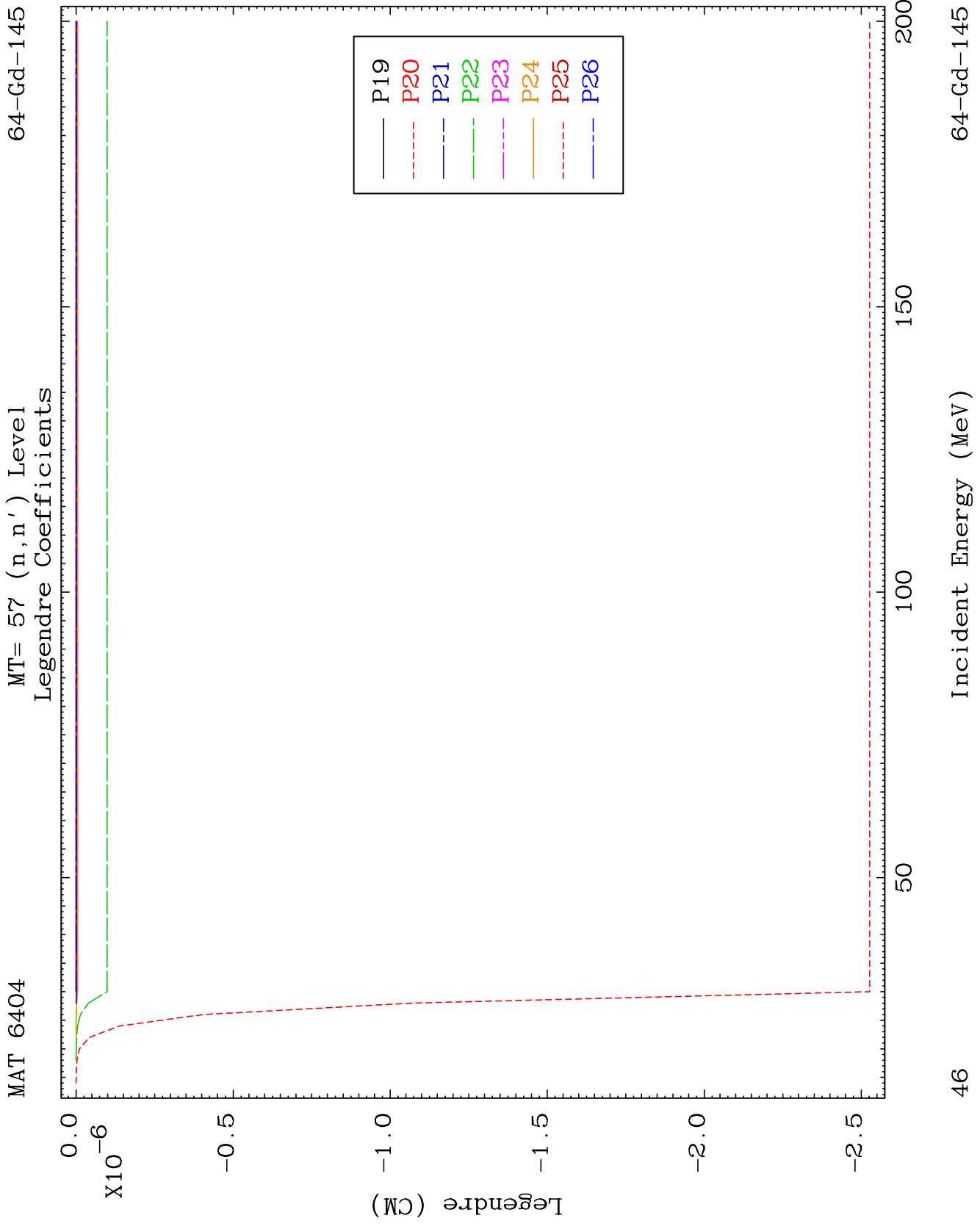
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Incident Energy (MeV)

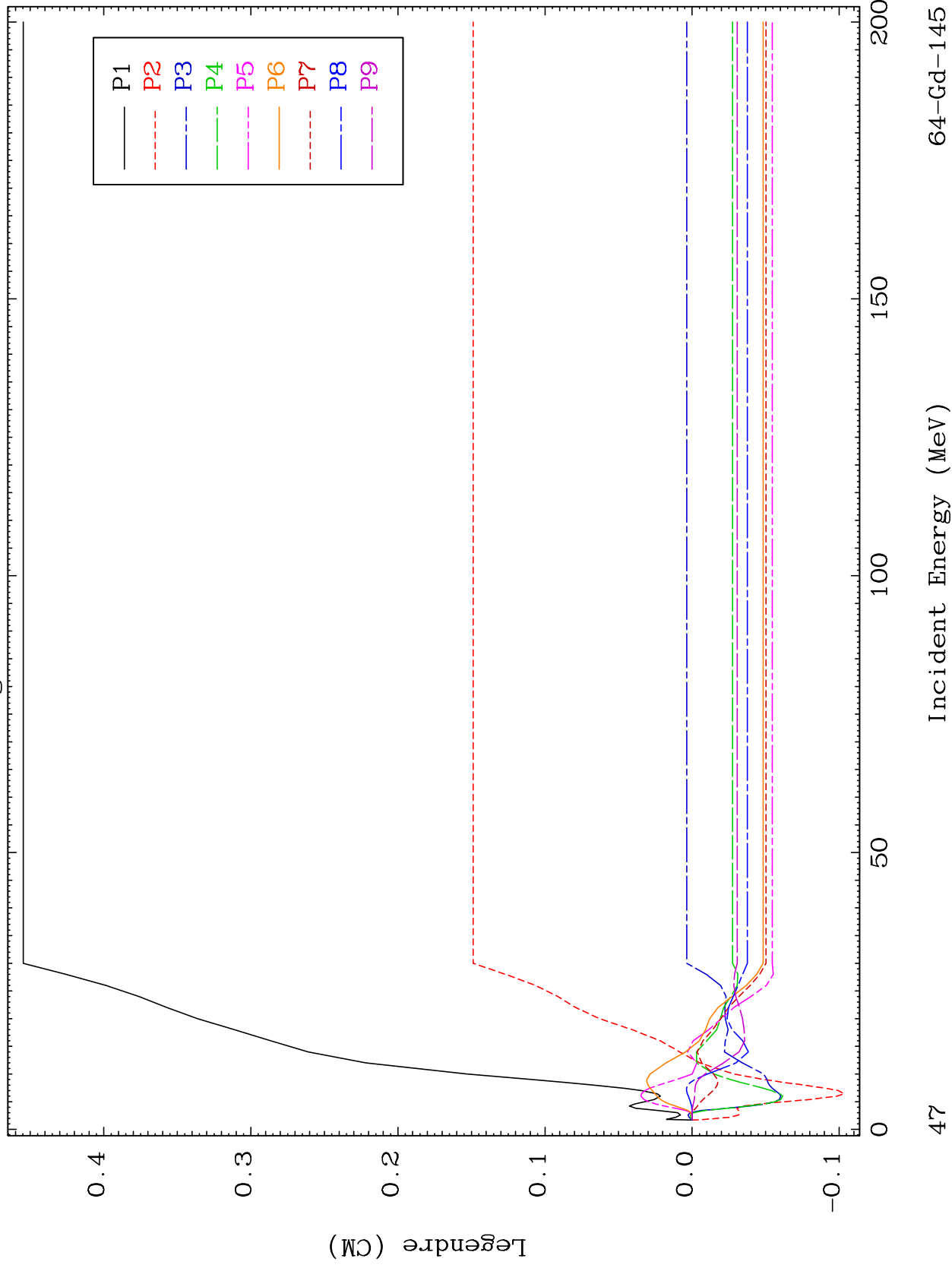
64-Gd-145



MAT 6404

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

64-Gd-145



64-Gd-145

Incident Energy (MeV)

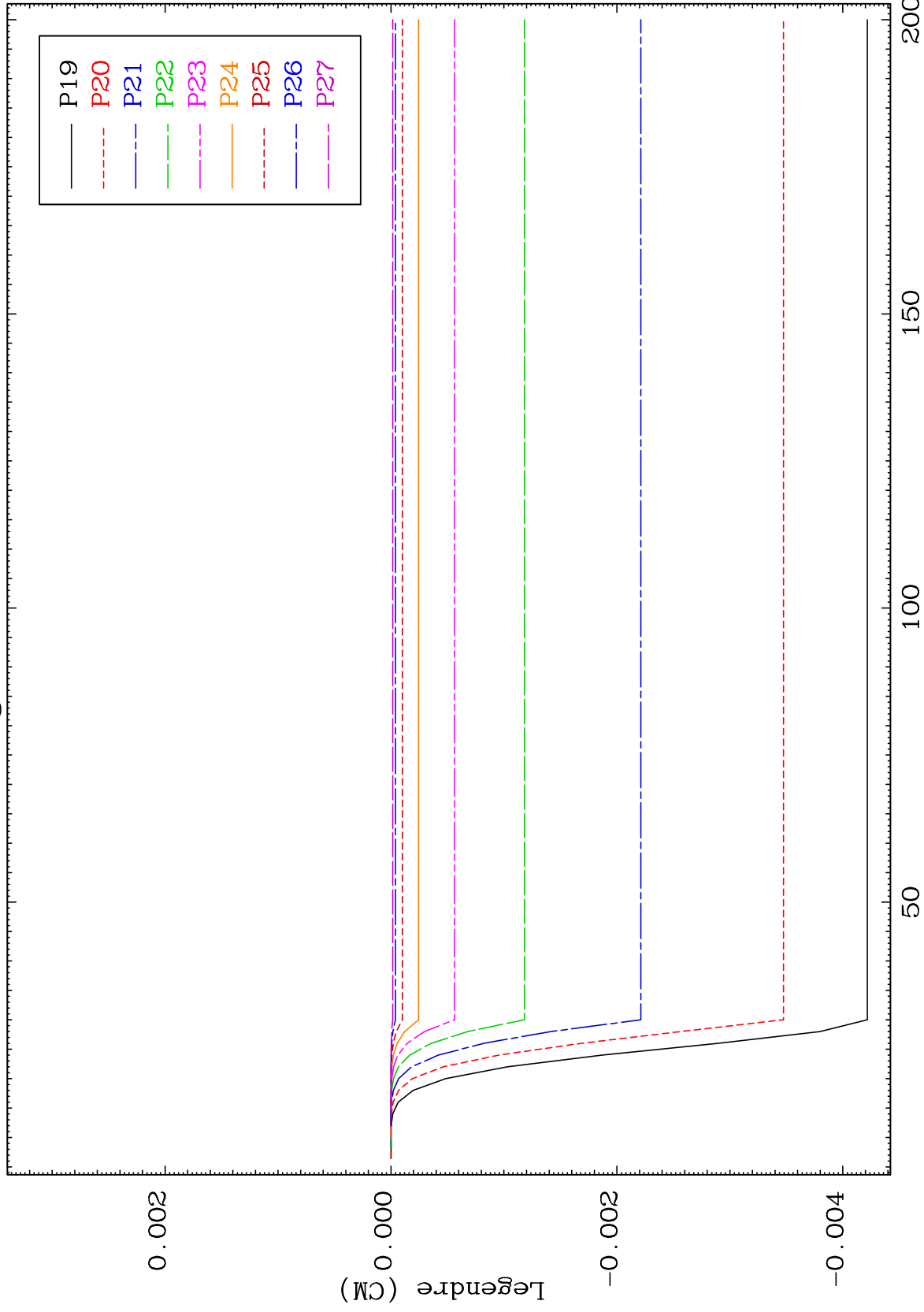
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MAT 6404

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

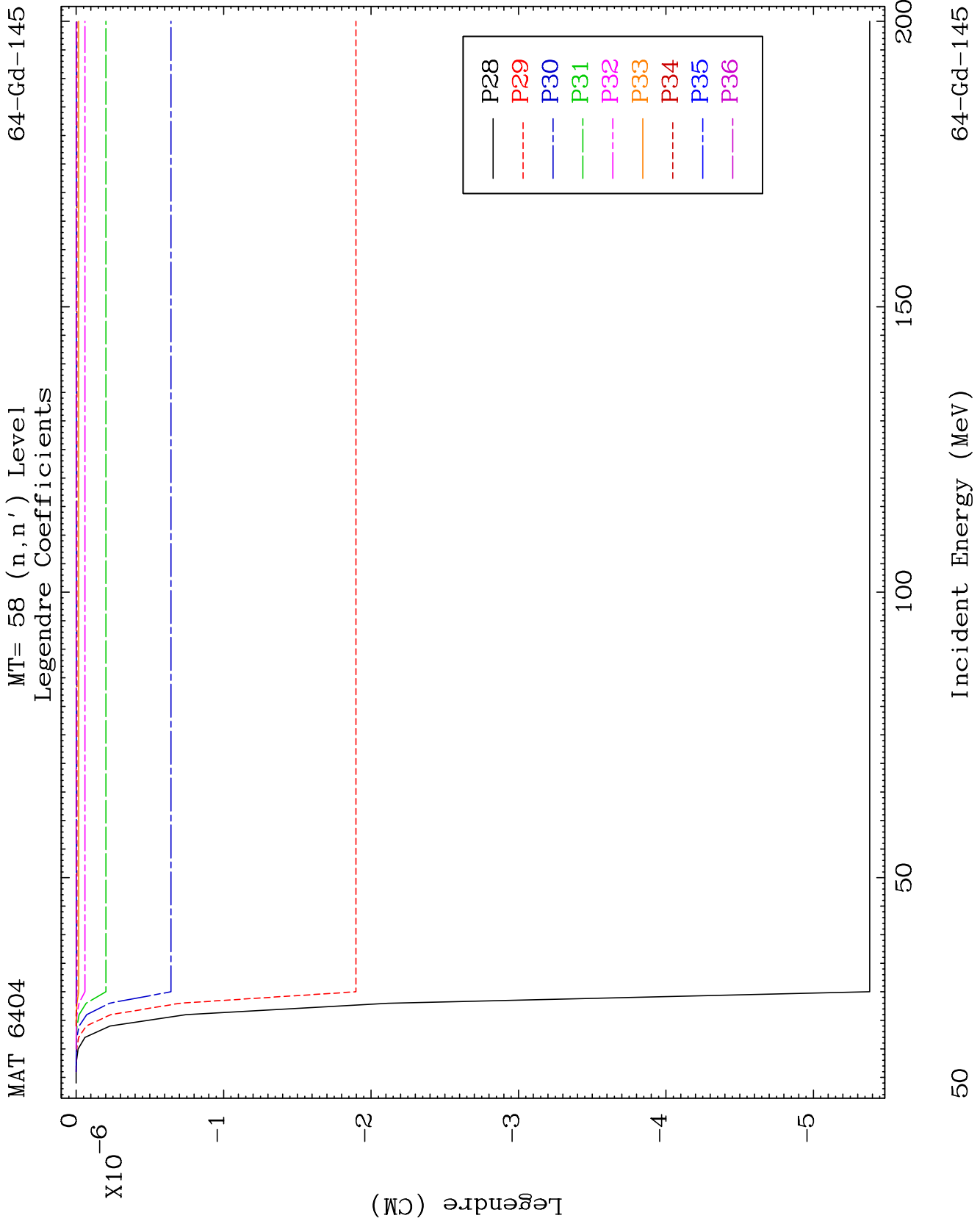
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49

Incident Energy (MeV)

64-Gd-145

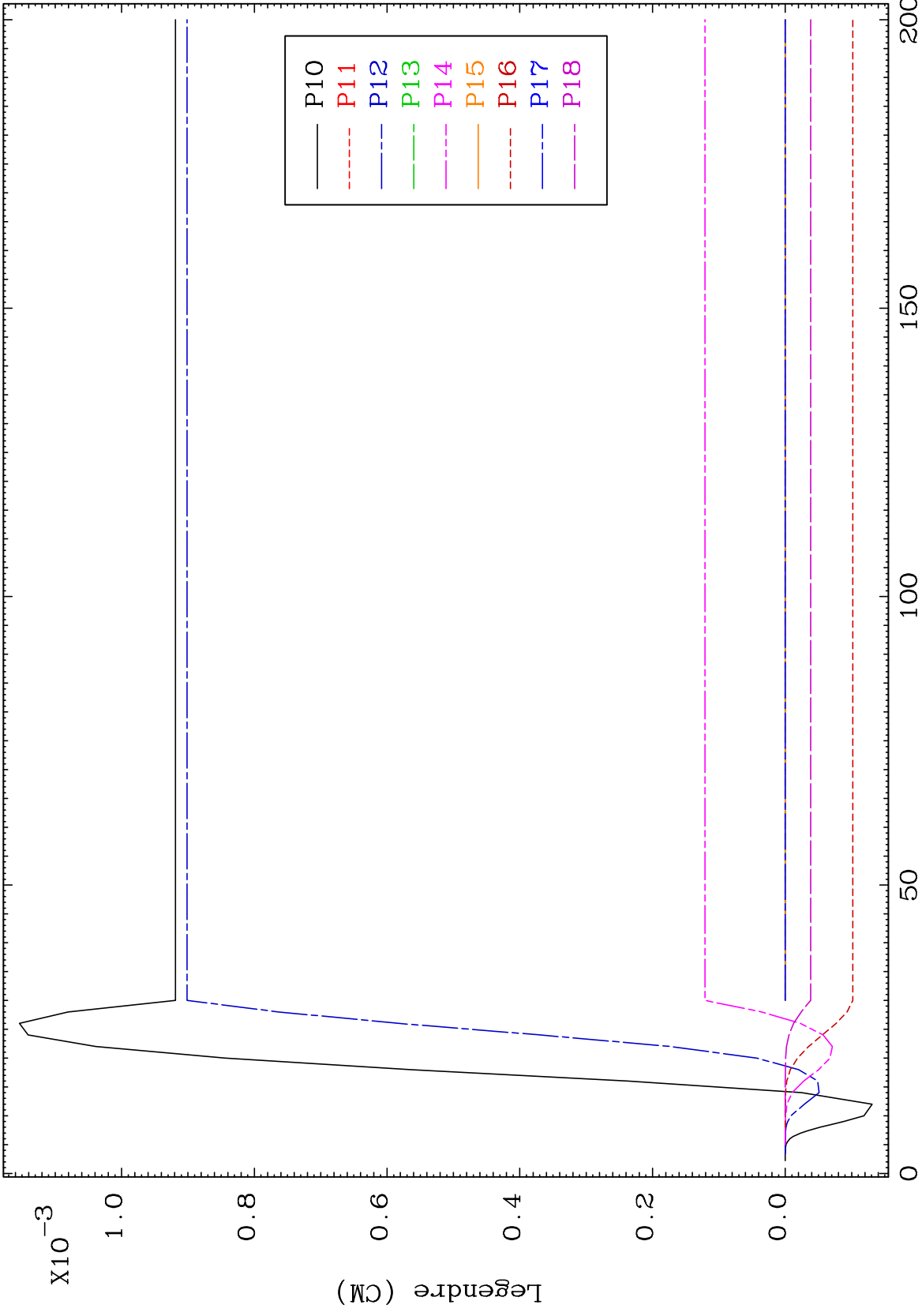




MAT 6404

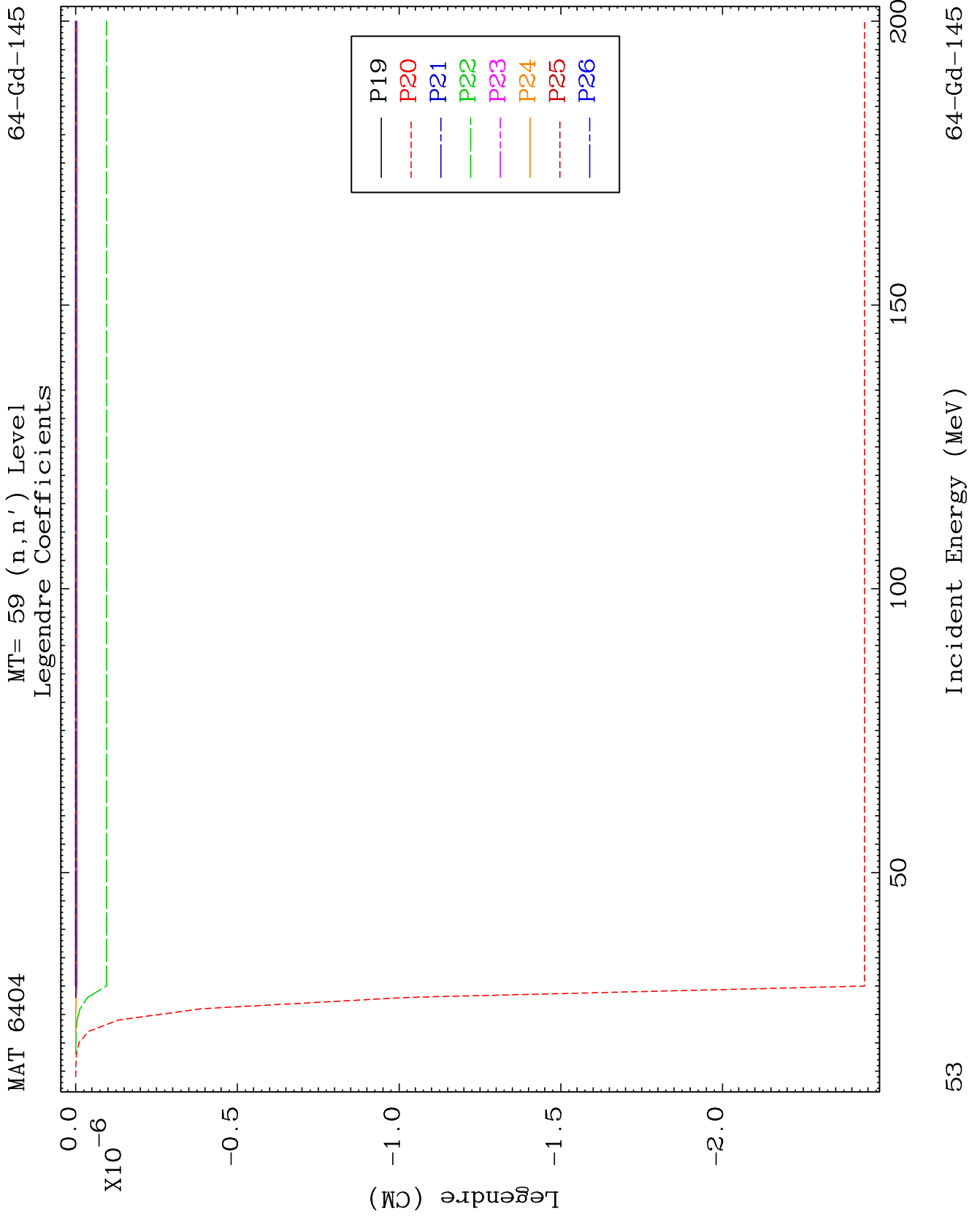
MT= 59 (n,n') Level  
Legendre Coefficients

64-Gd-145



52

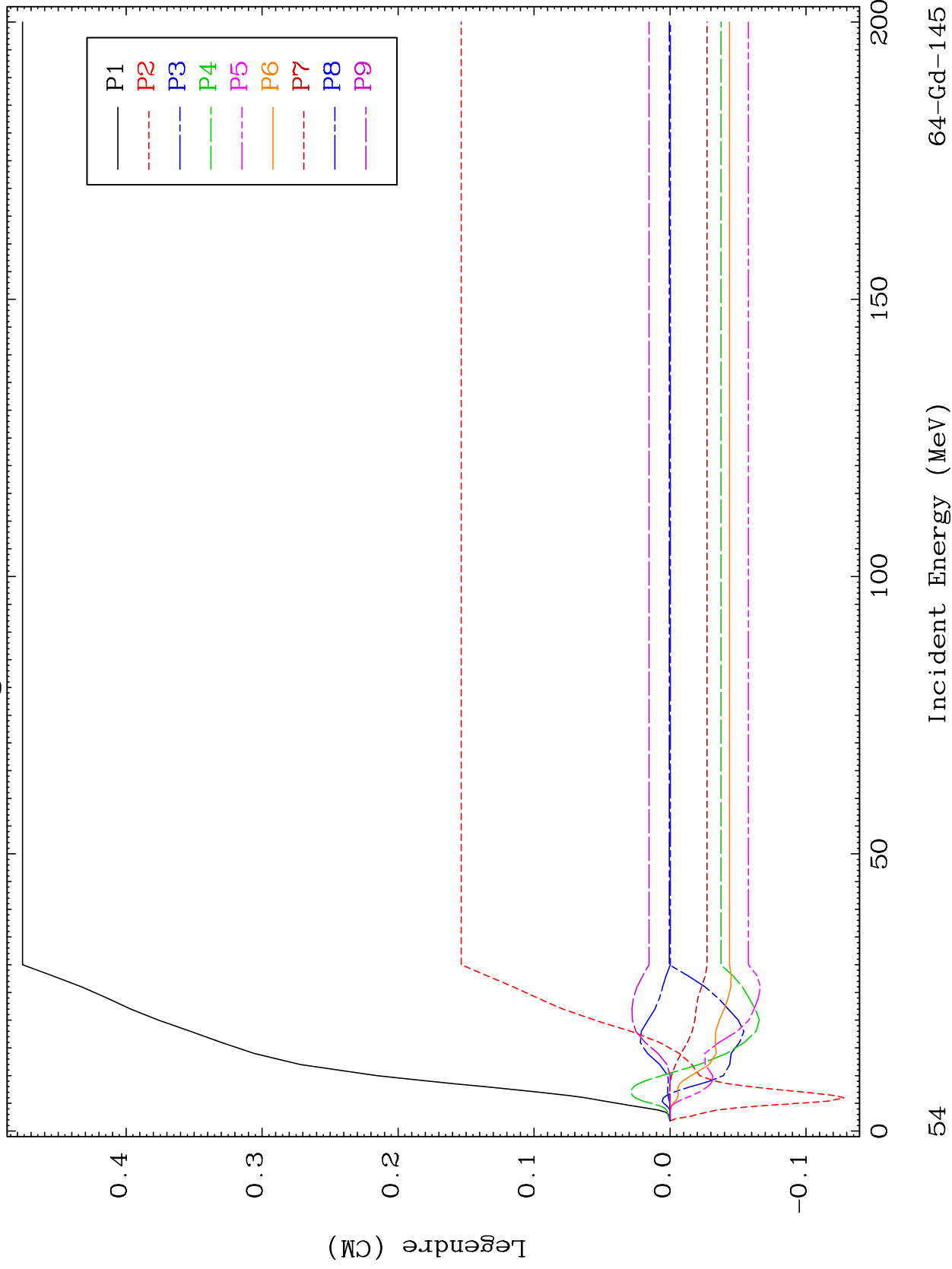
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MAT 6404

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

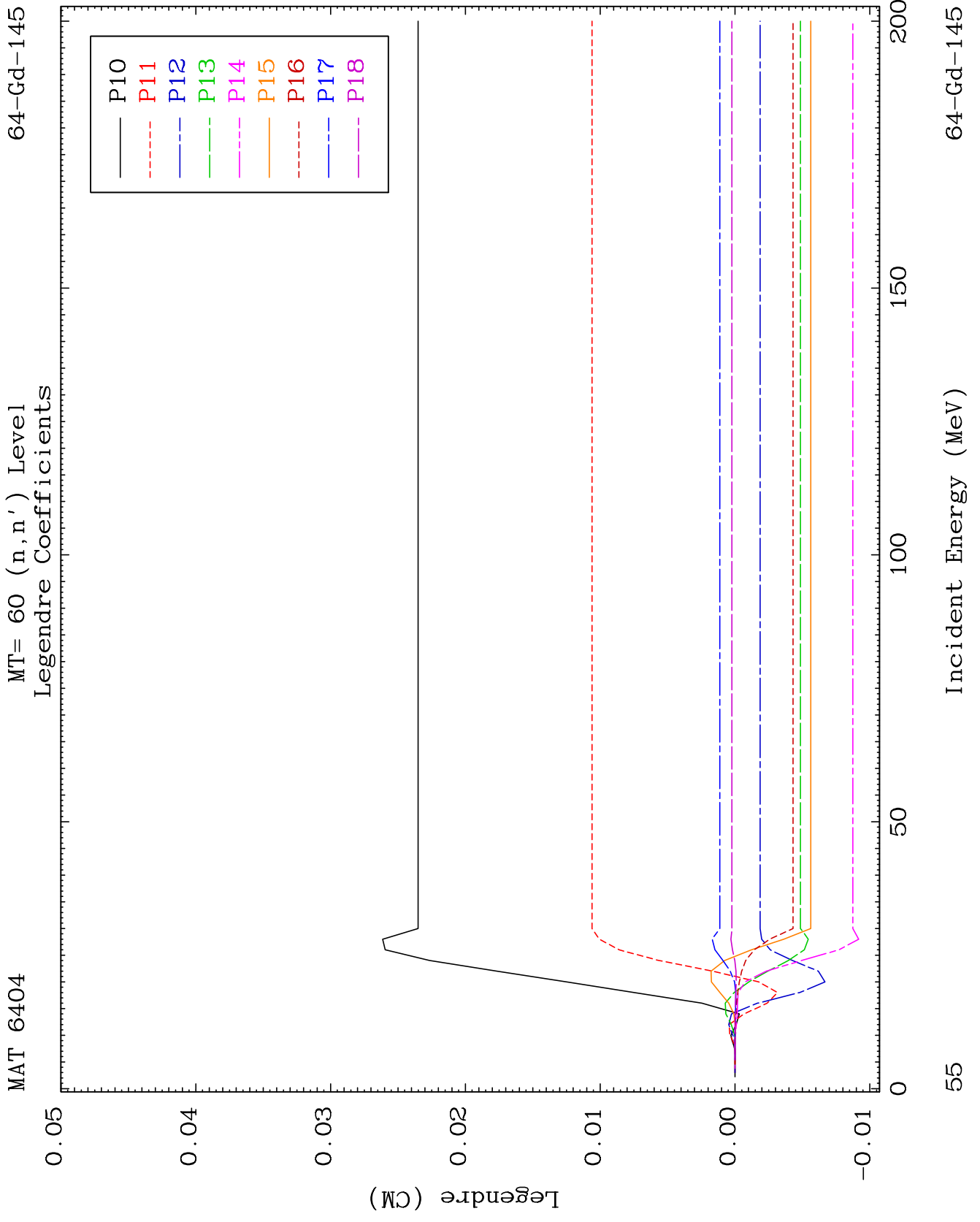
64-Gd-145



64-Gd-145

Incident Energy (MeV)

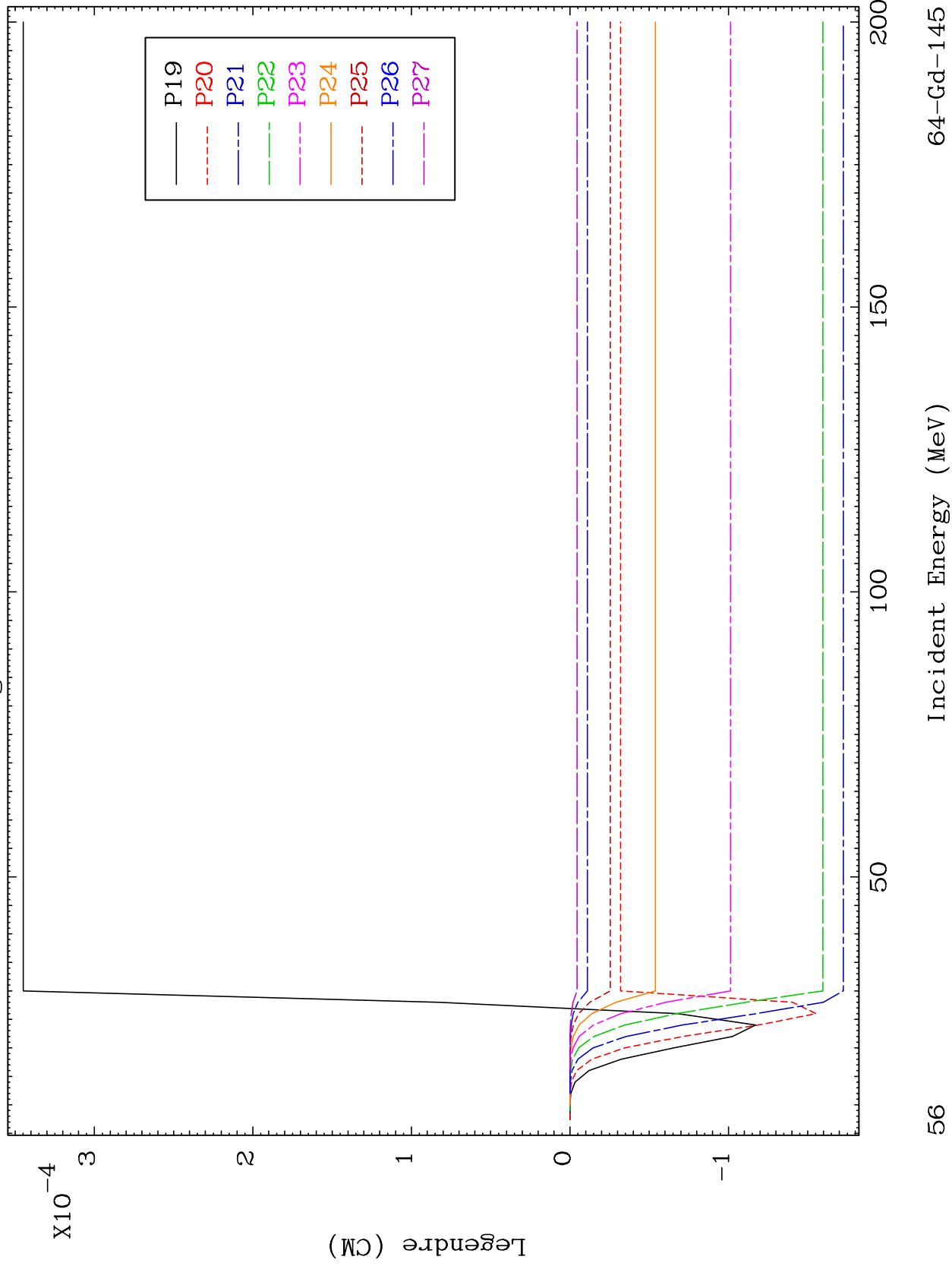
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MAT 6404

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

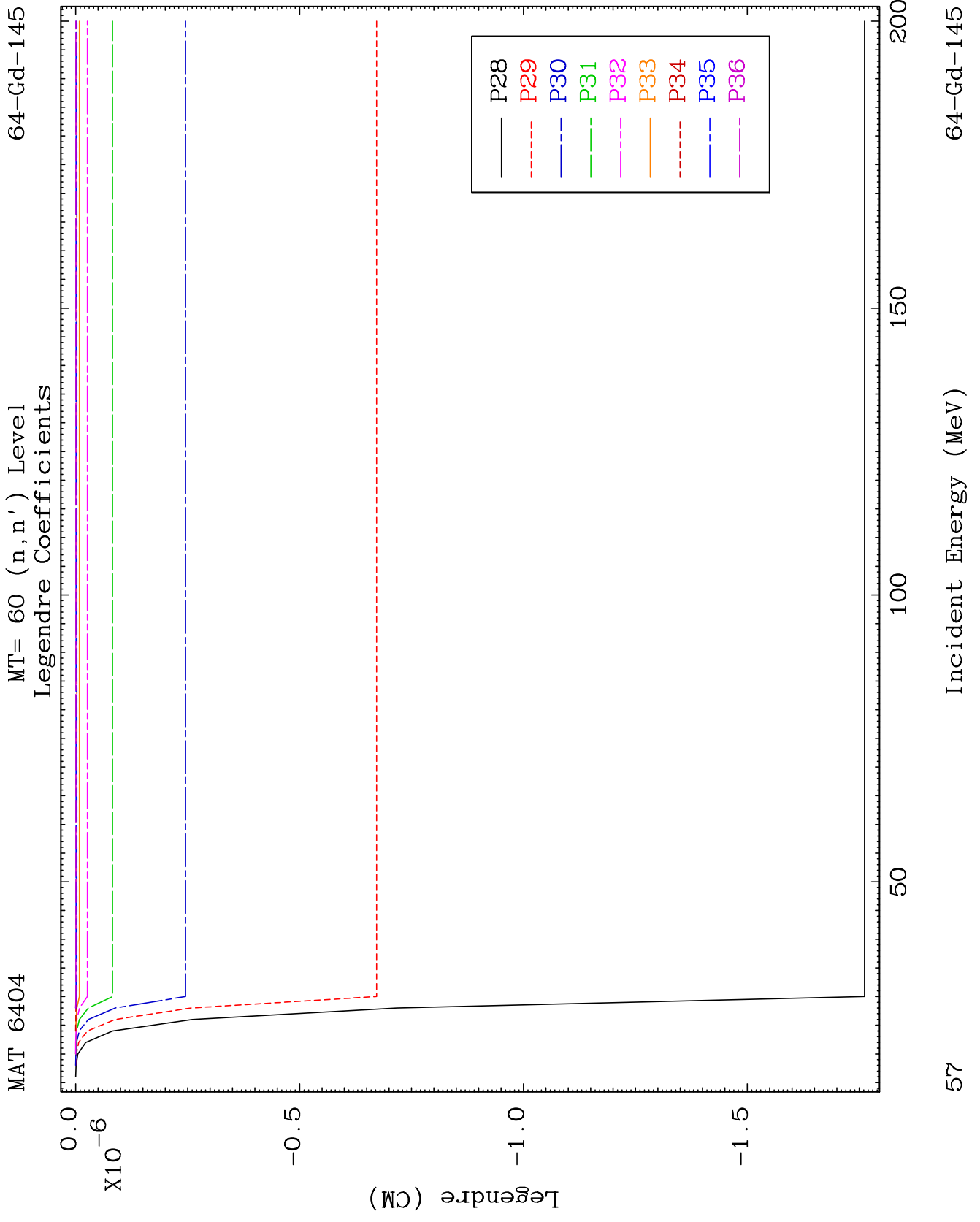
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56

Incident Energy (MeV)

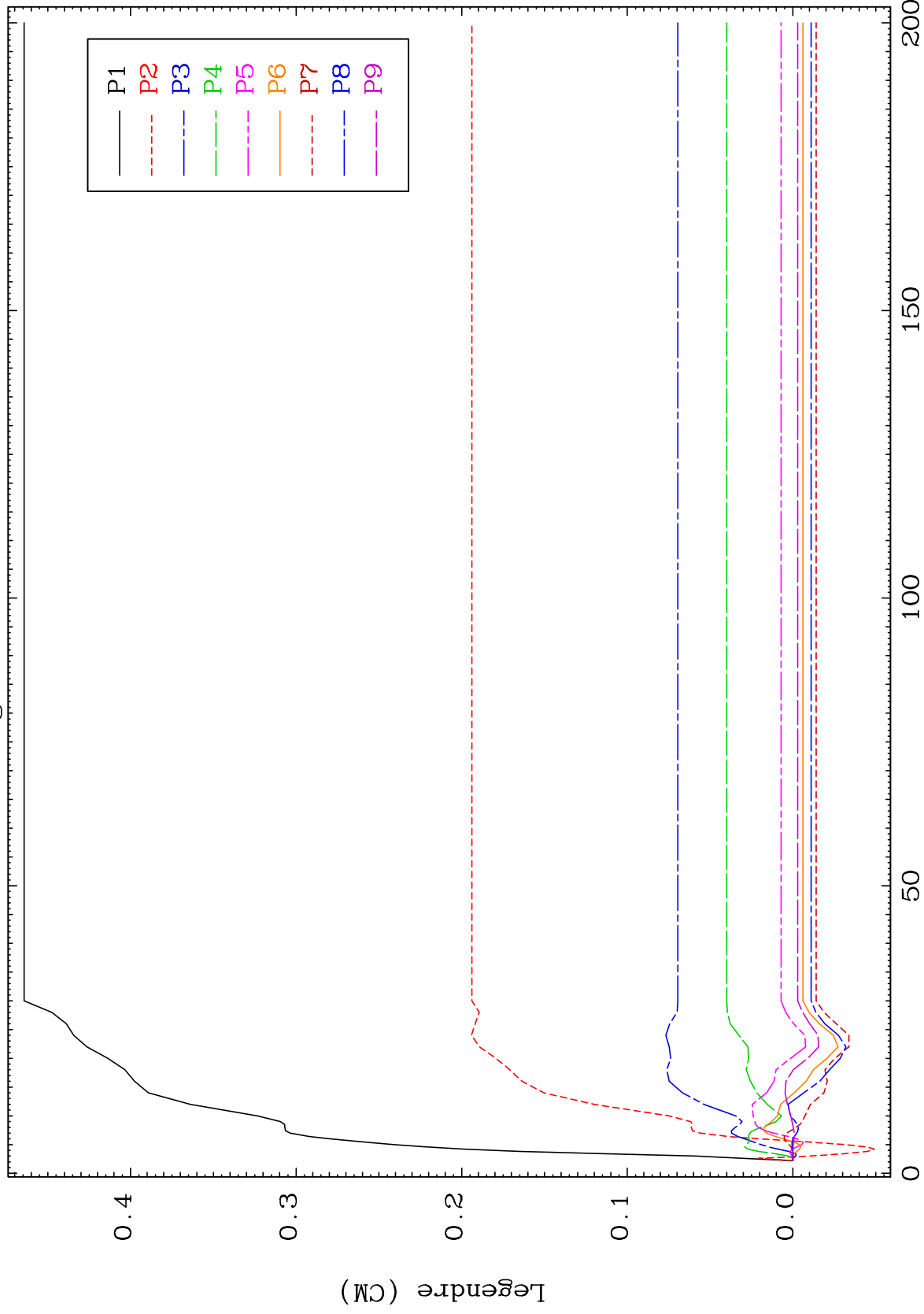
64-Gd-145



MAT 6404

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

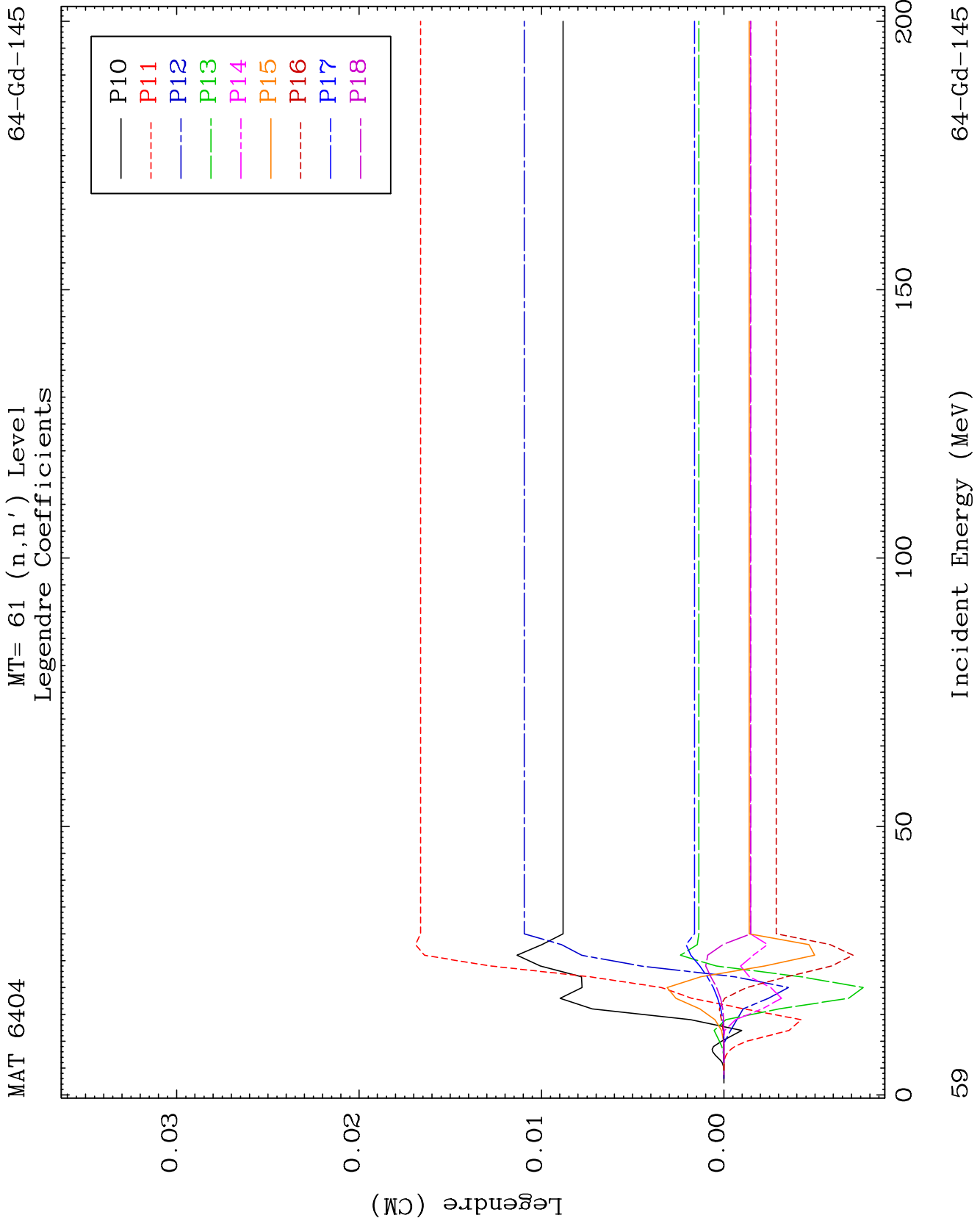
64-Gd-145



58

Incident Energy (MeV)

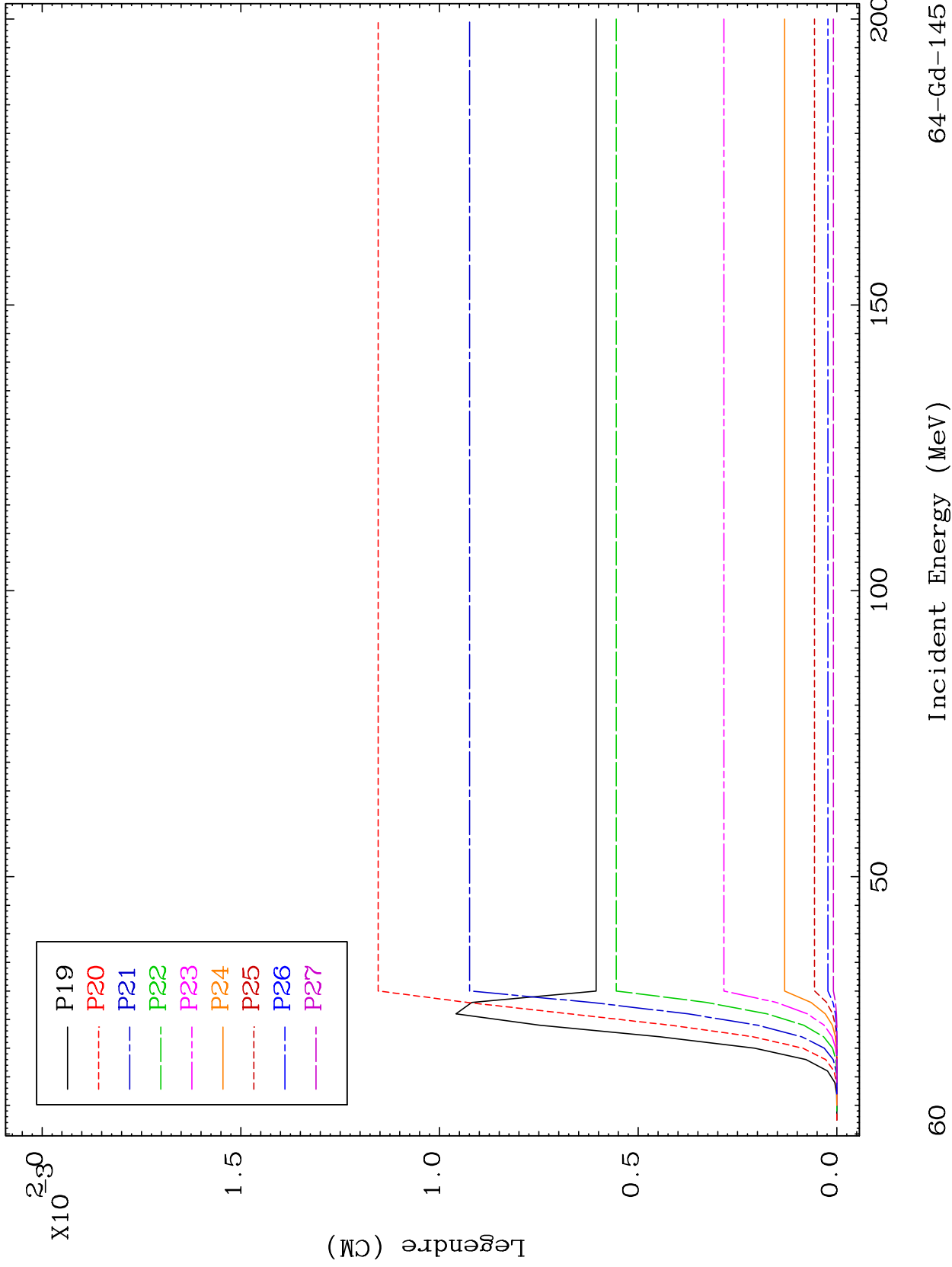
64-Gd-145



MAT 6404

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

64-Gd-145



64-Gd-145

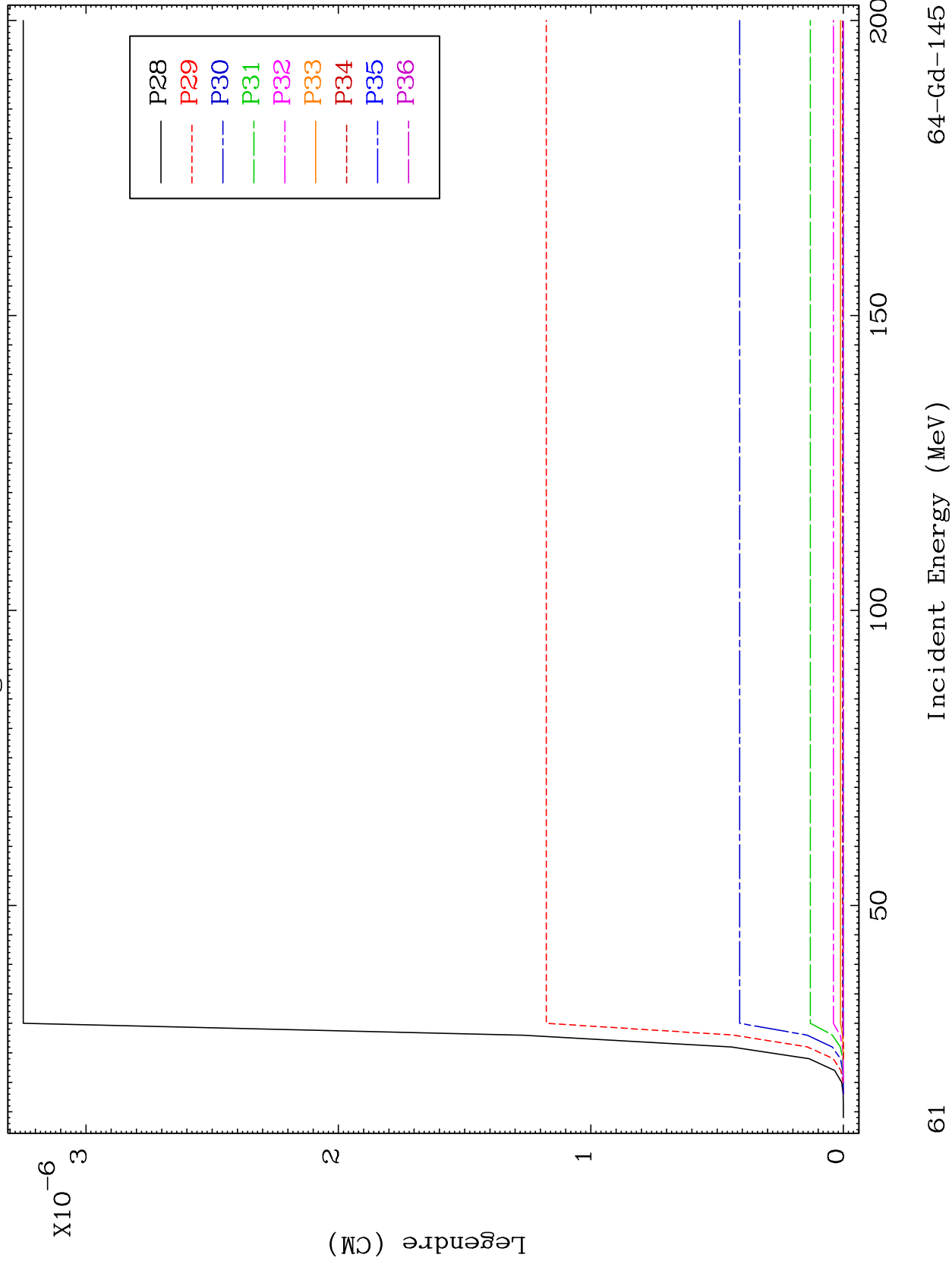
Incident Energy (MeV)

60

MAT 6404

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

64-Gd-145

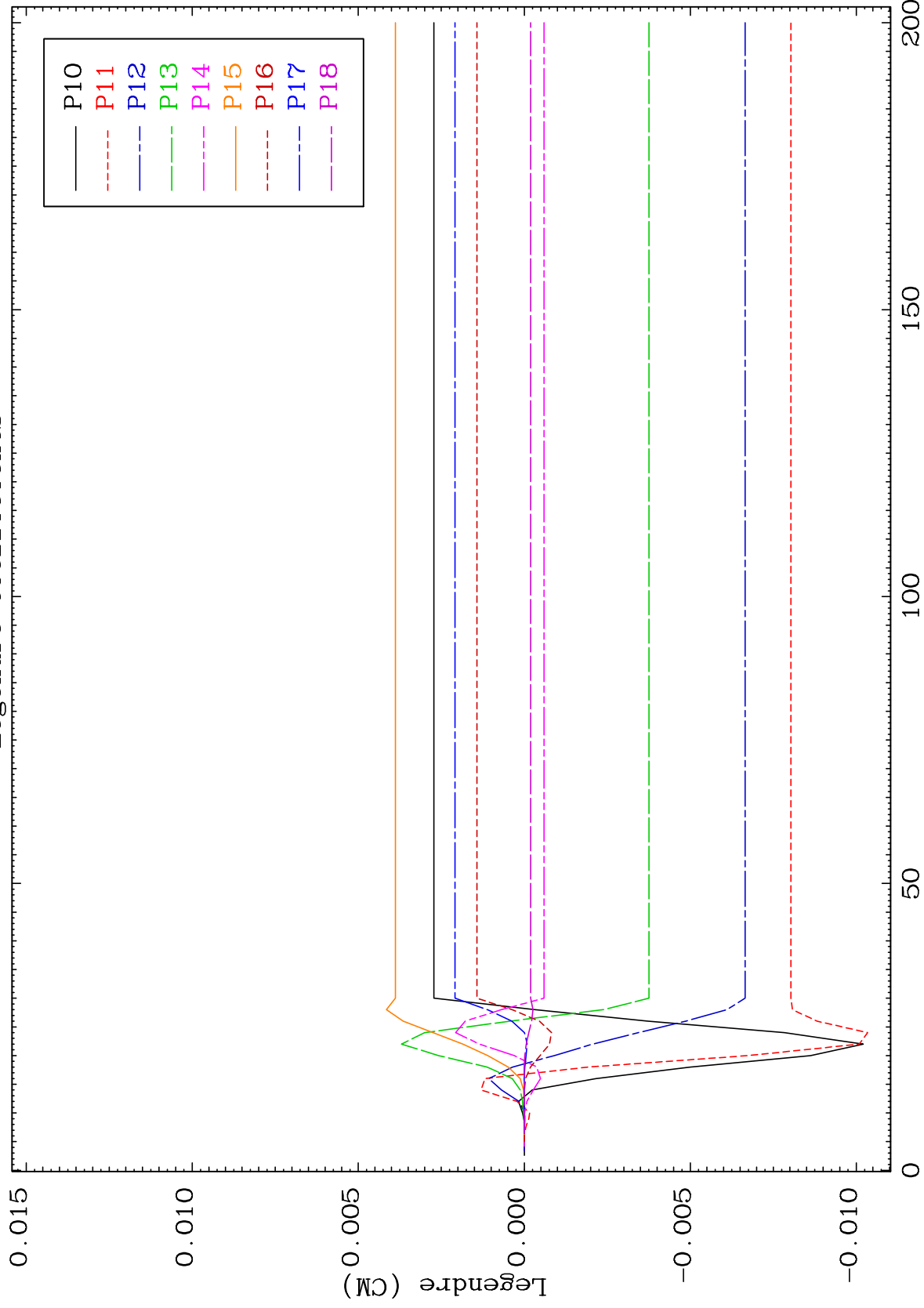




MAT 6404

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

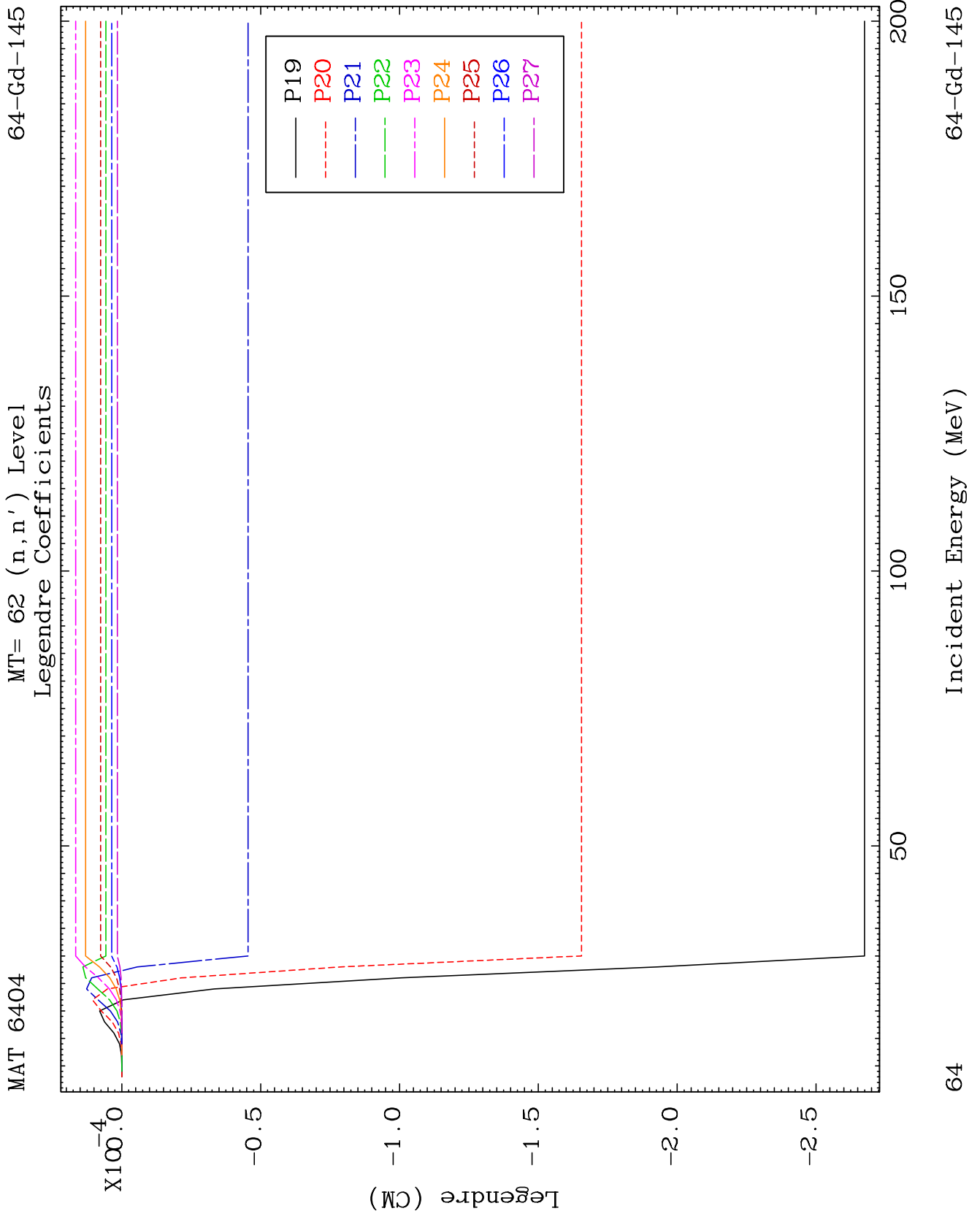
64-Gd-145



63

Incident Energy (MeV)

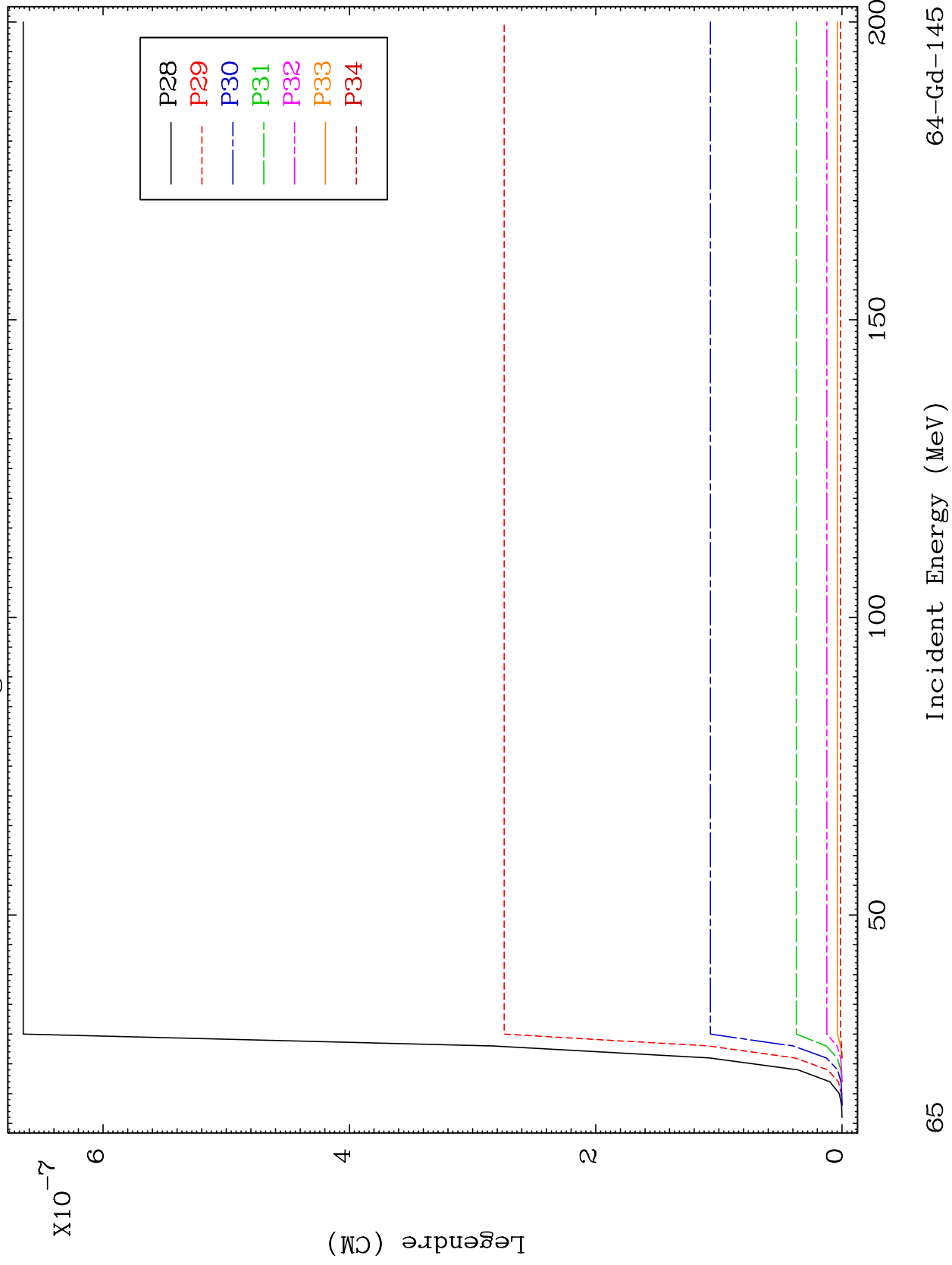
64-Gd-145



MAT 6404

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

64-Gd-145



65

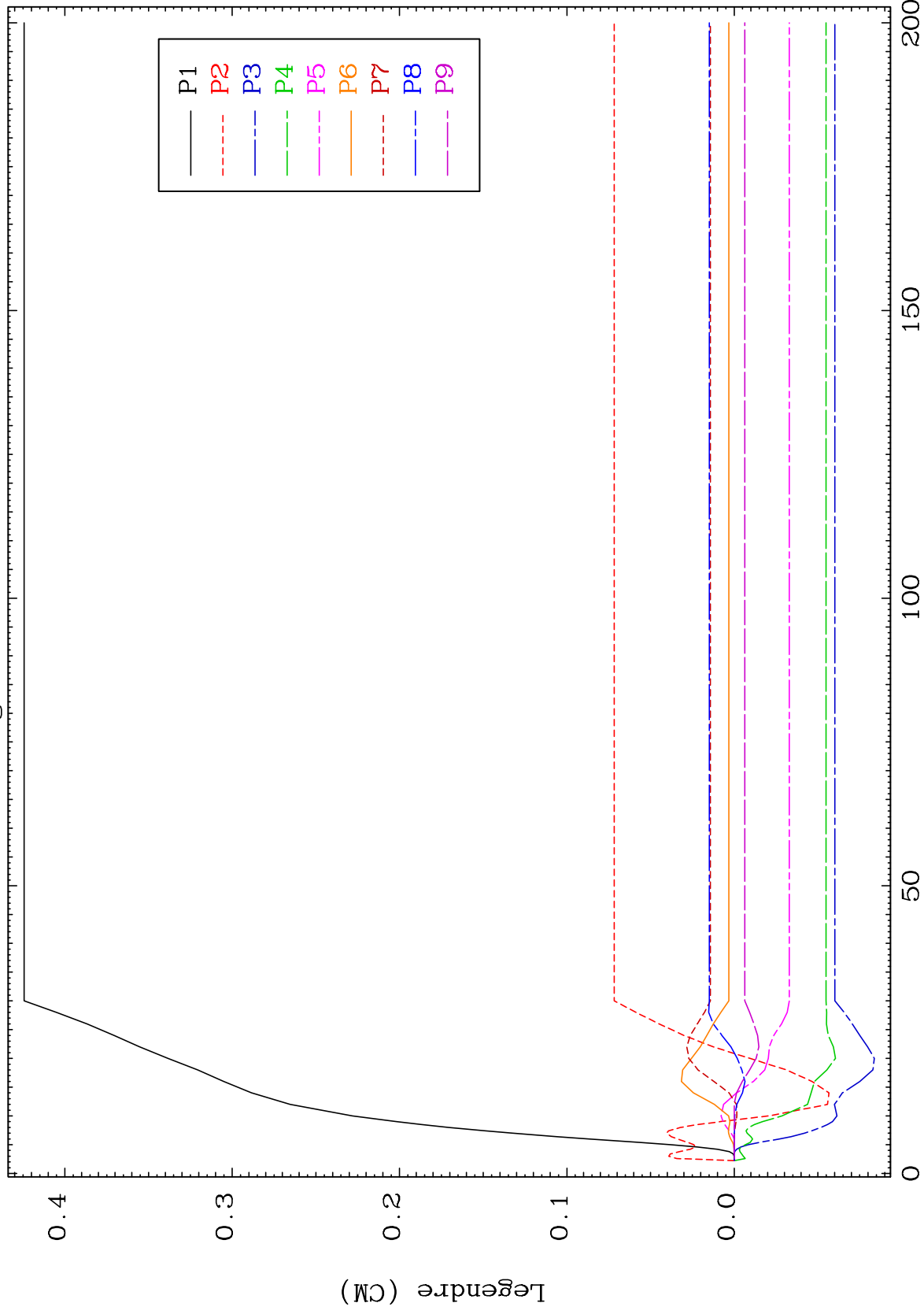
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



66

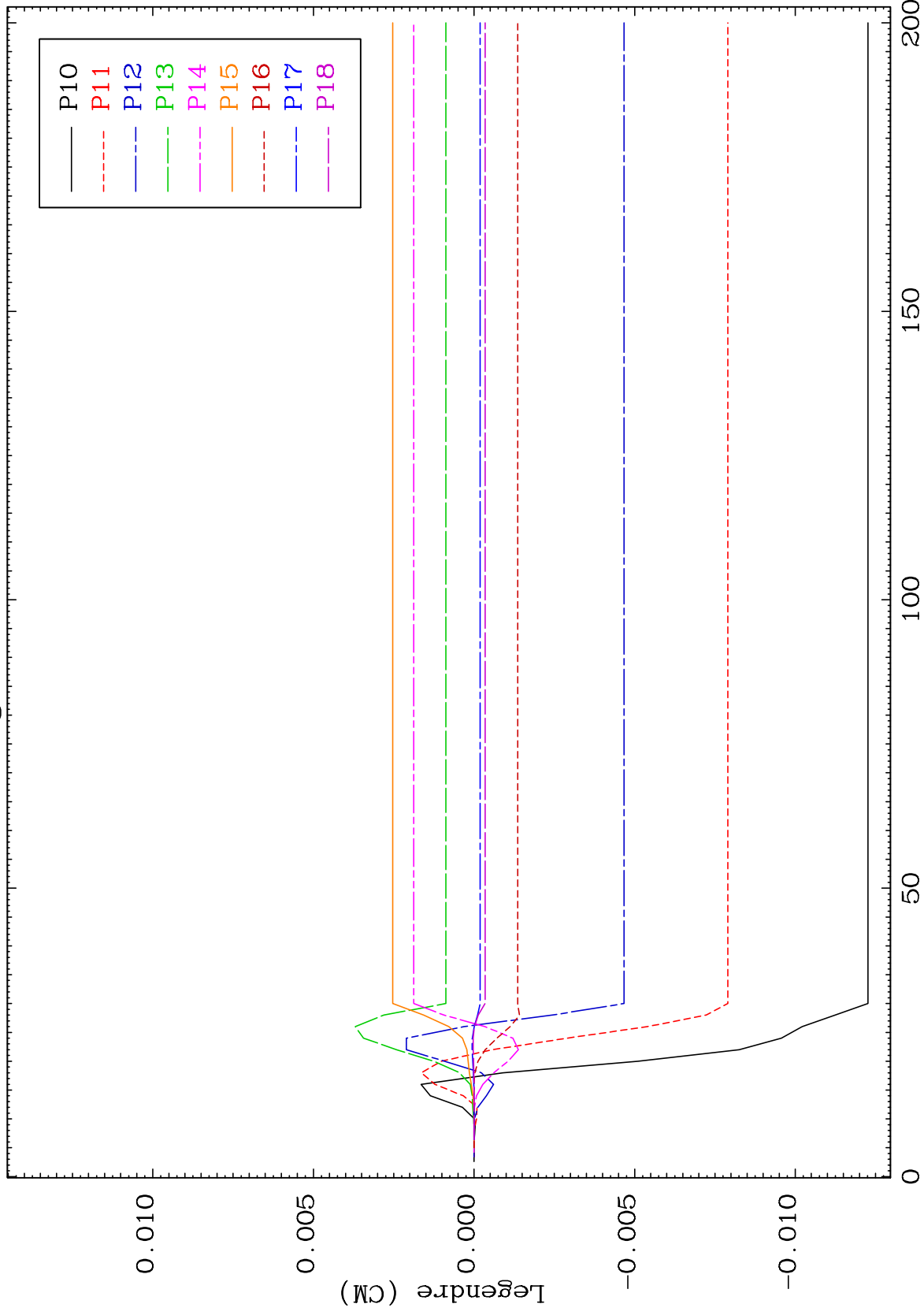
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



67

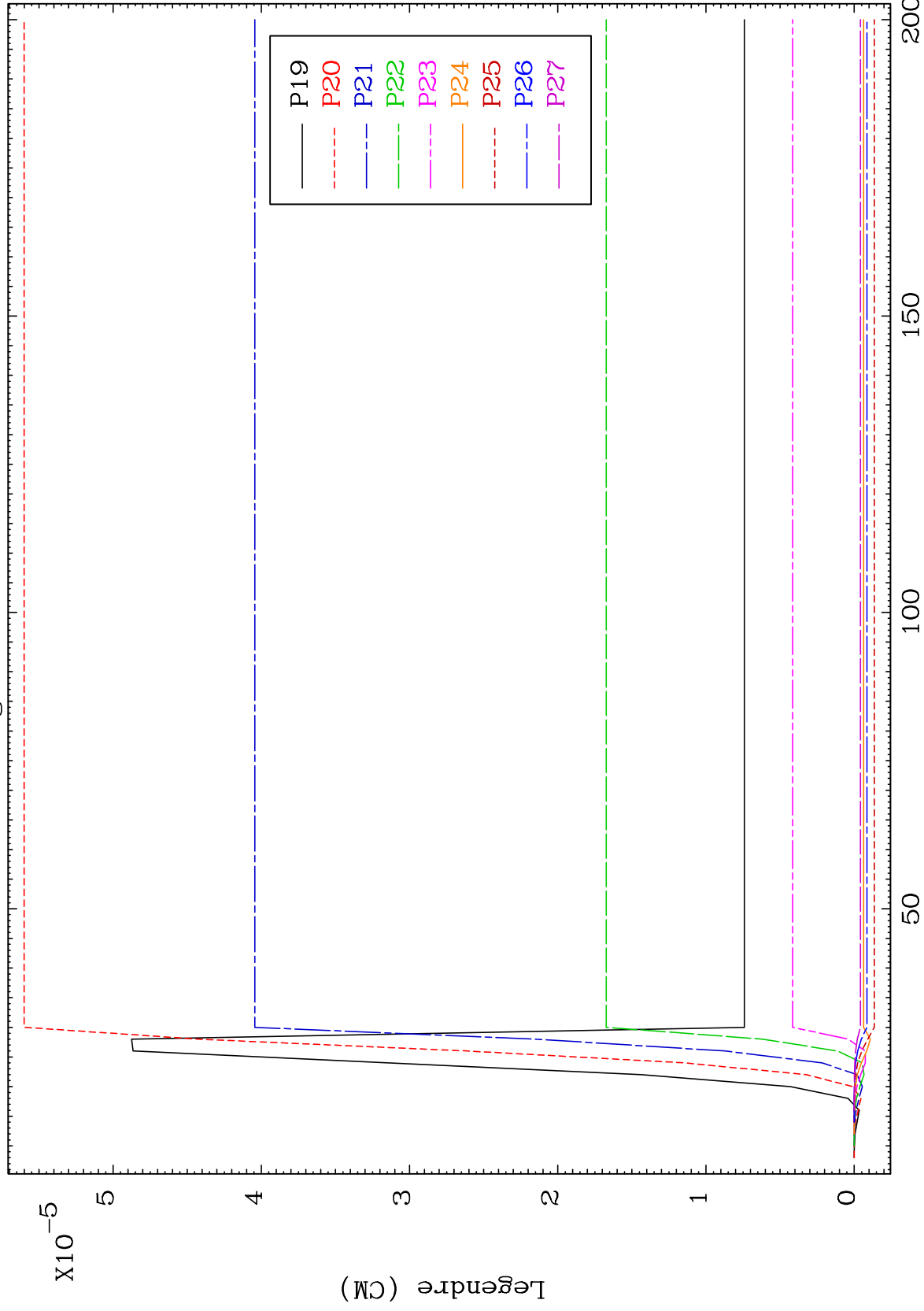
Incident Energy (MeV)

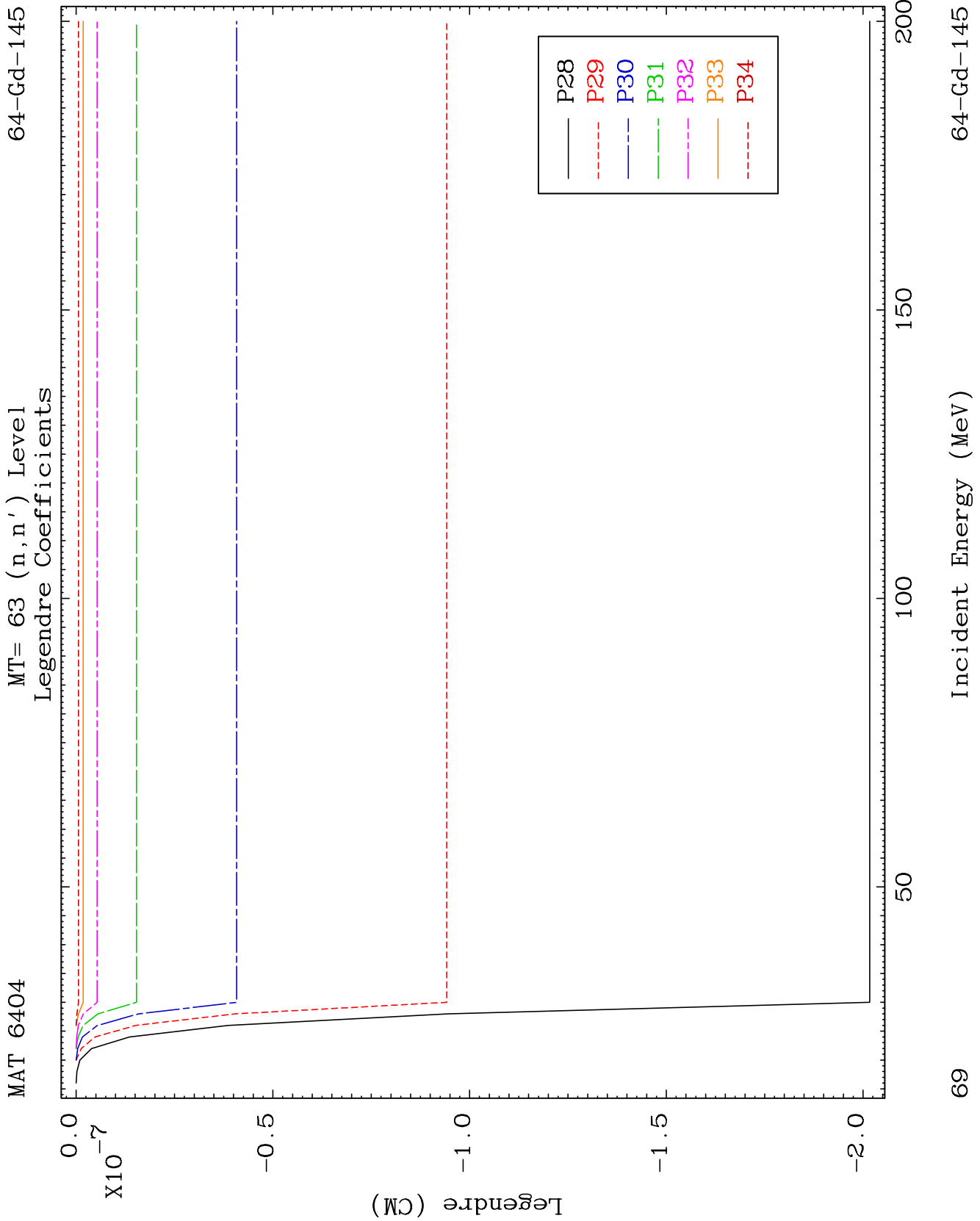
64-Gd-145

MAT 6404

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

64-Gd-145

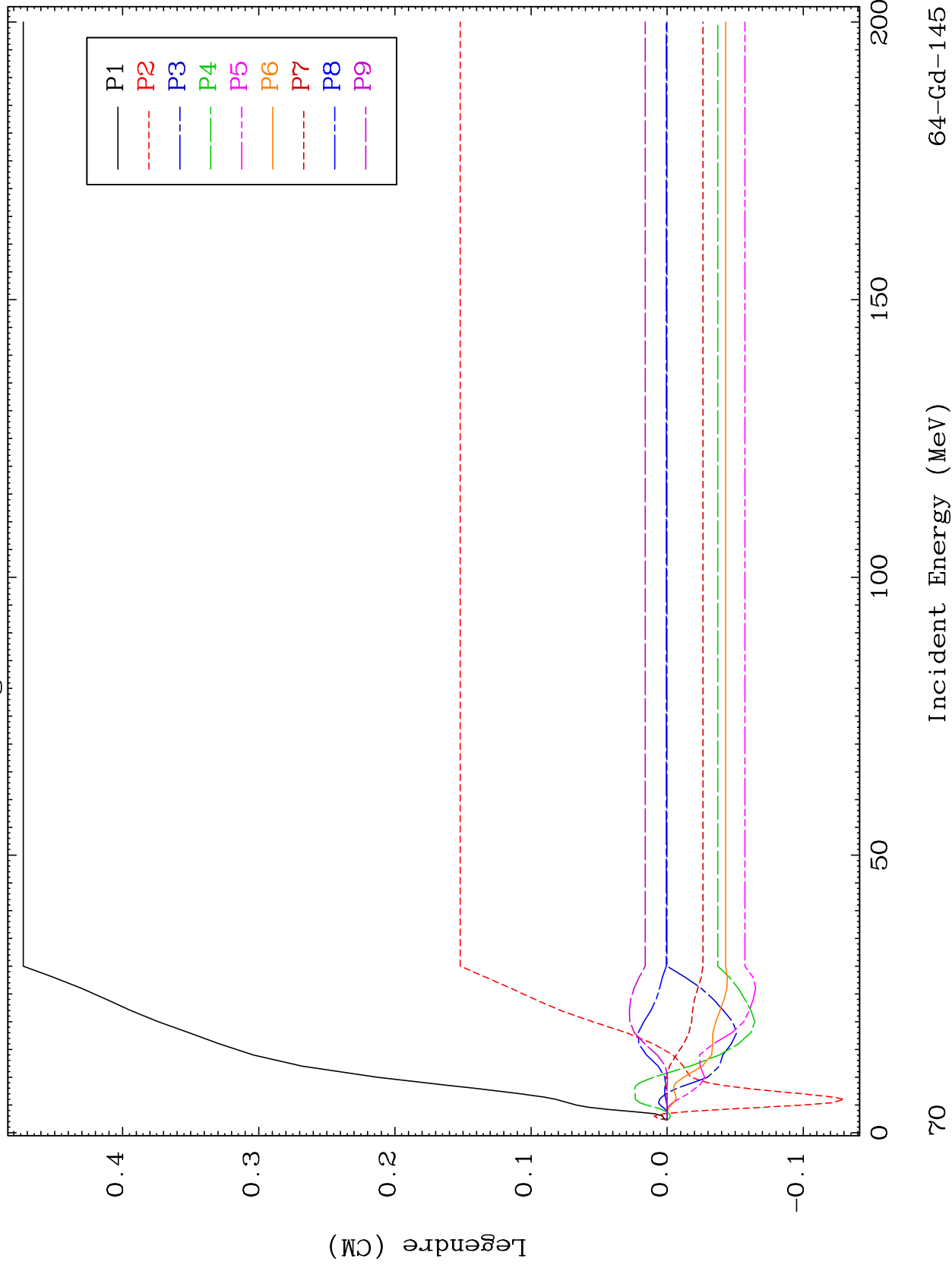




MAT 6404

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

64-Gd-145



64-Gd-145

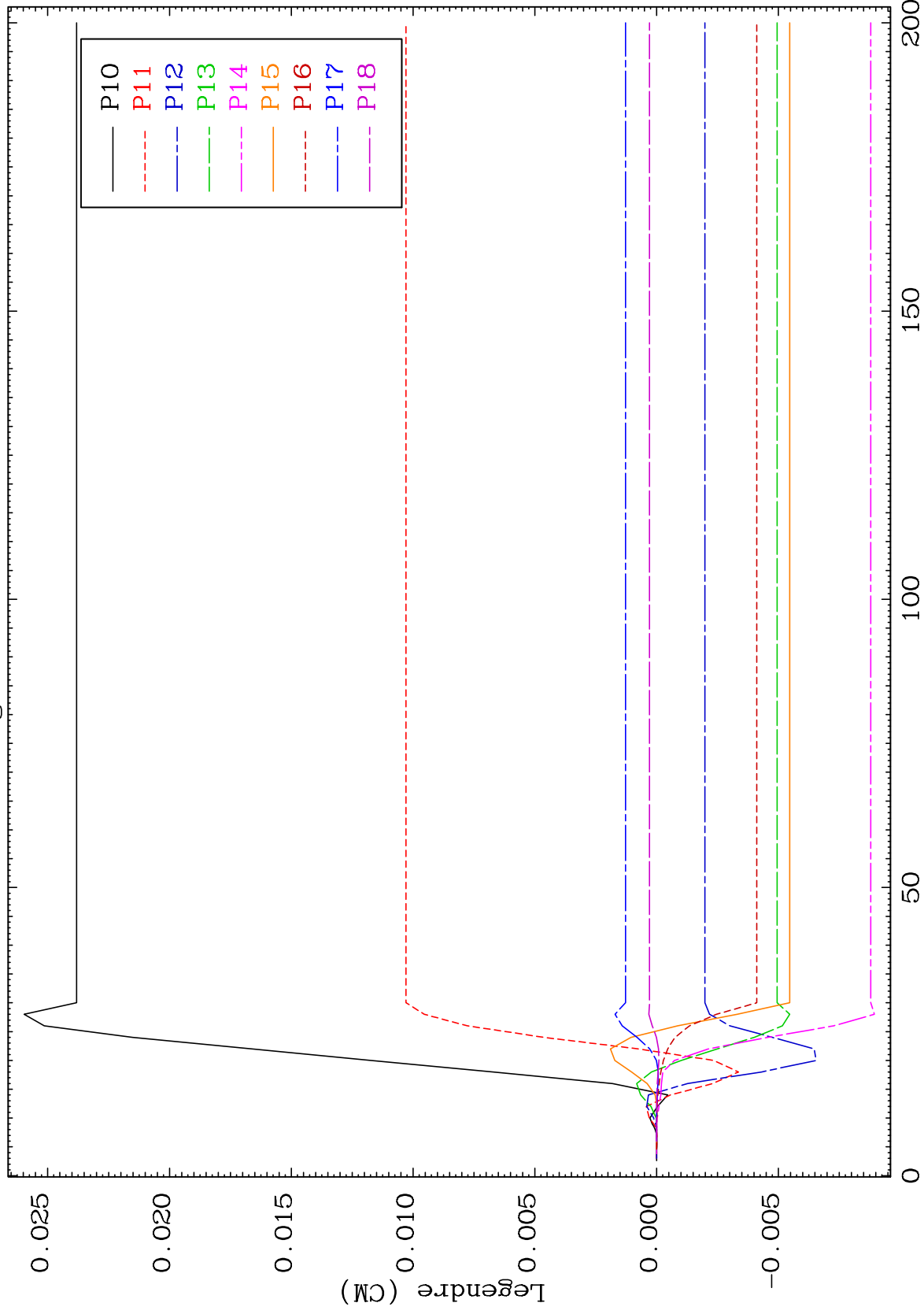
Incident Energy (MeV)

70

MAT 6404

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

64-Gd-145



71

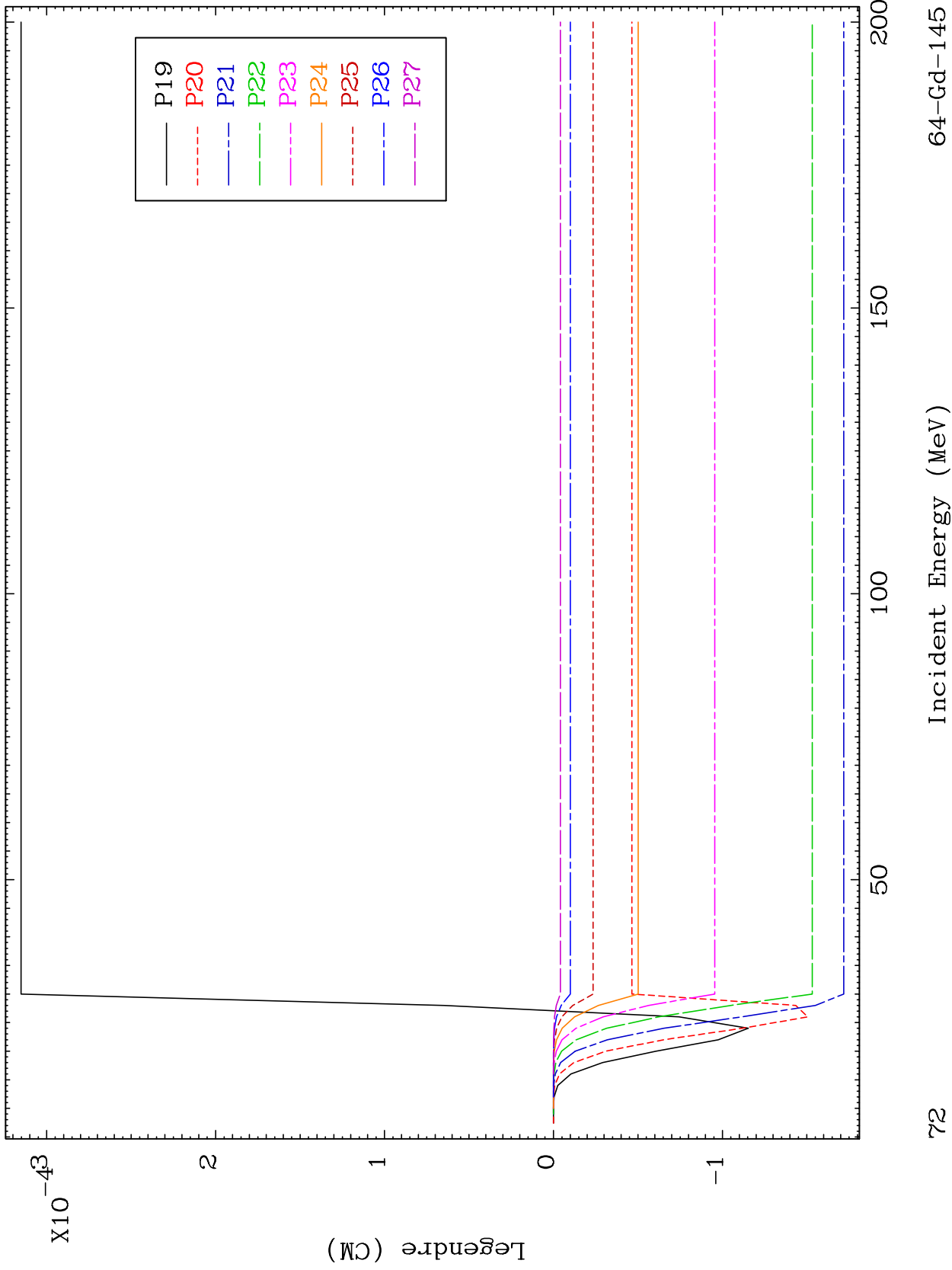
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

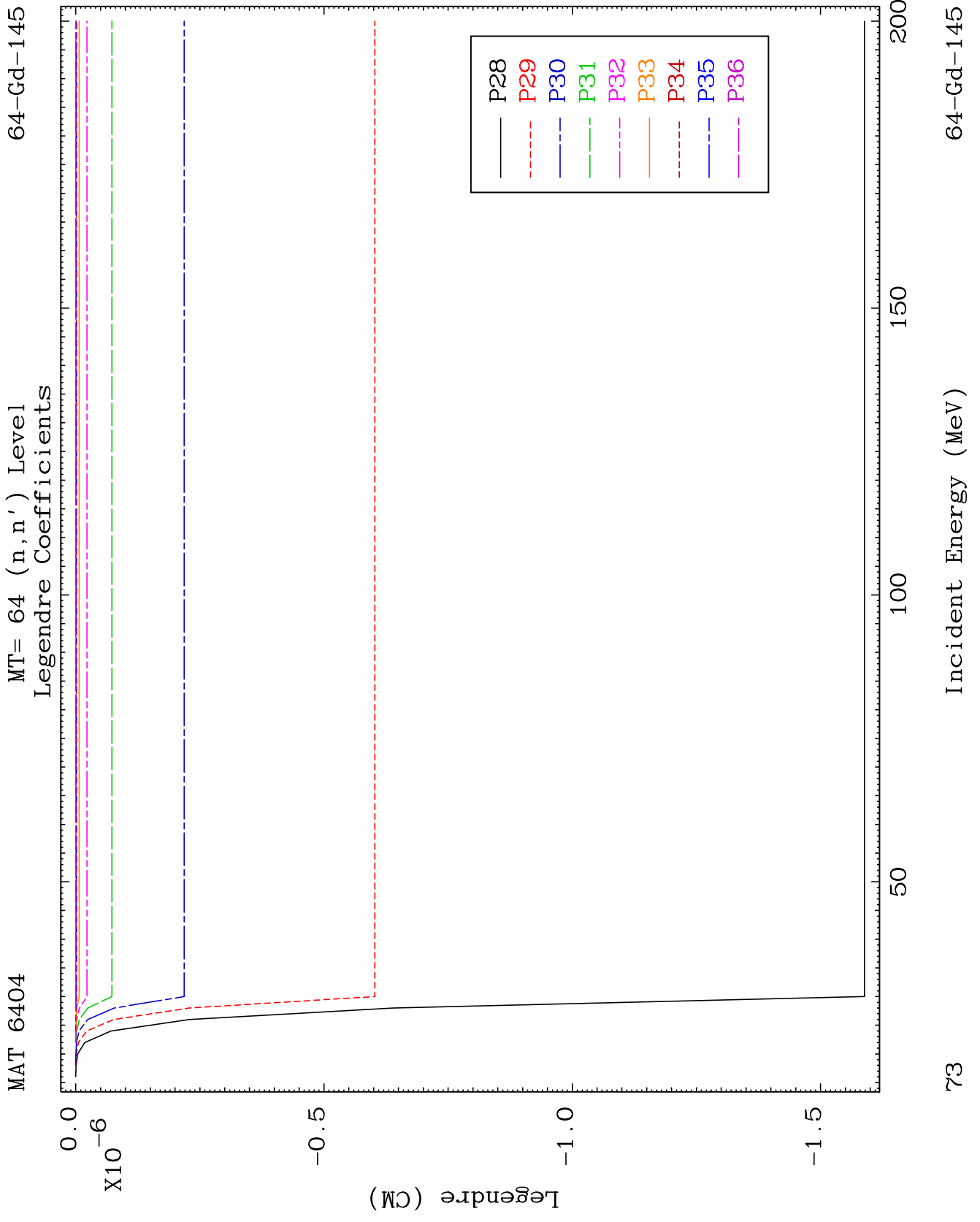
64-Gd-145



72

Incident Energy (MeV)

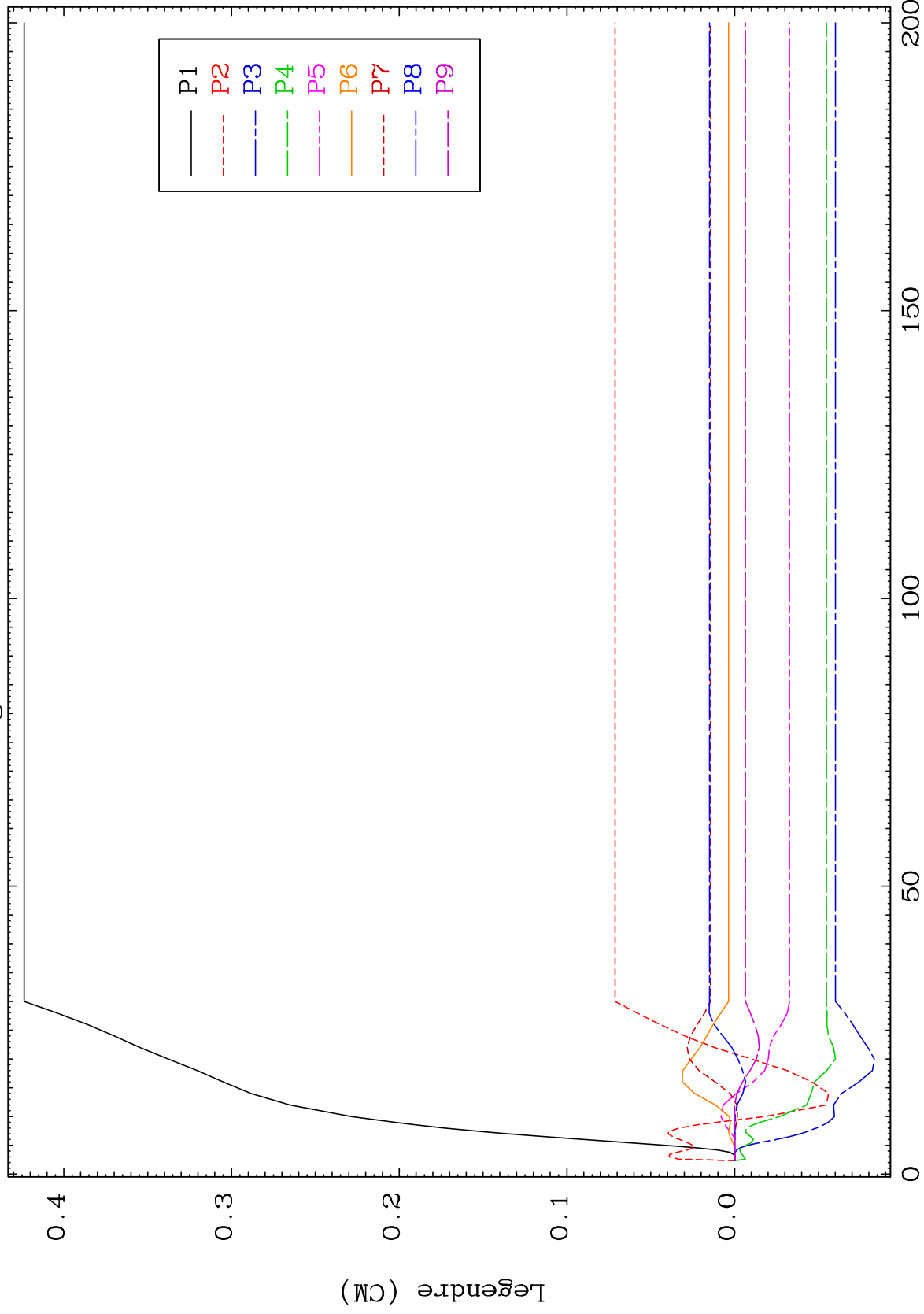
64-Gd-145



MAT 6404

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

64-Gd-145



74

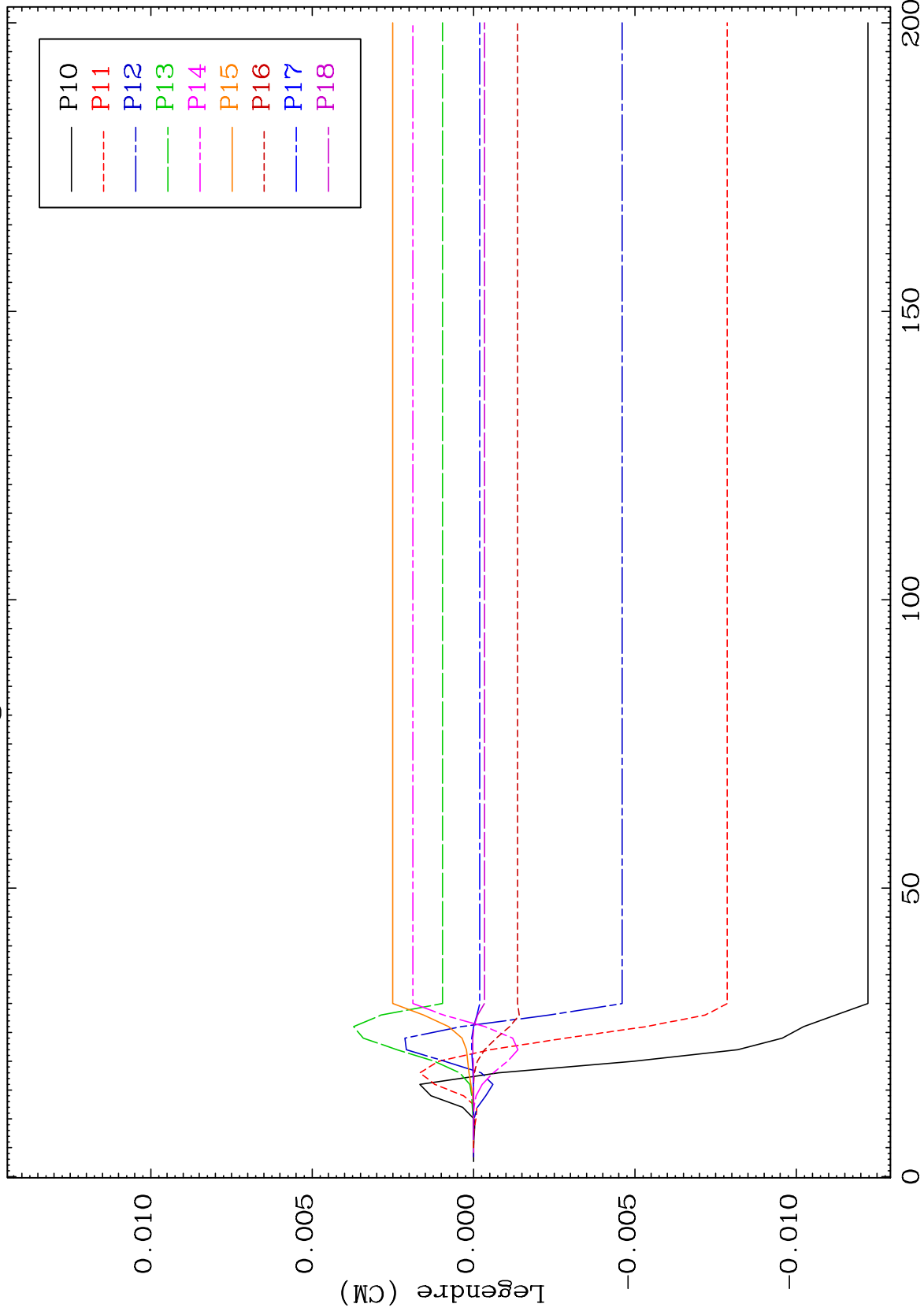
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

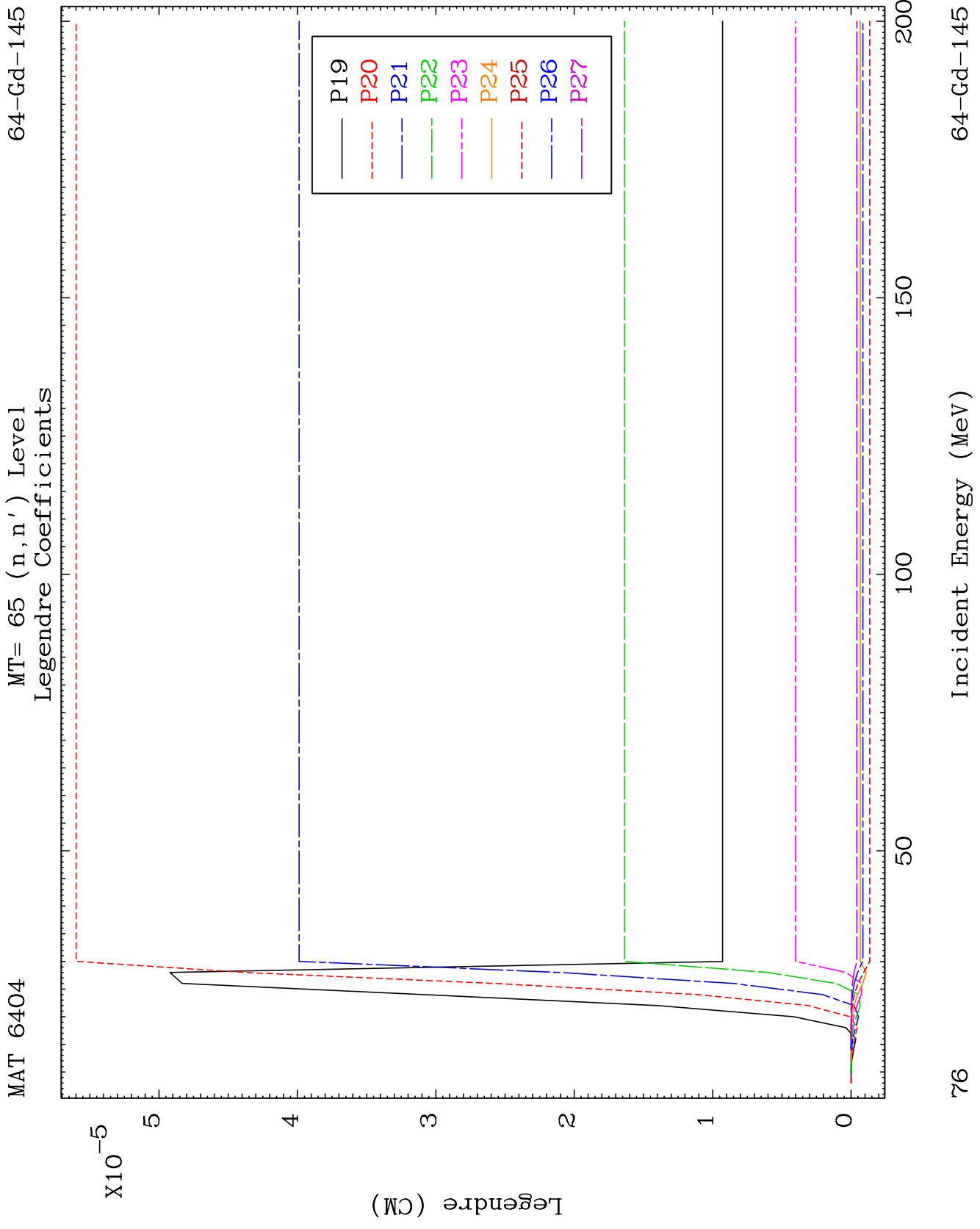
64-Gd-145

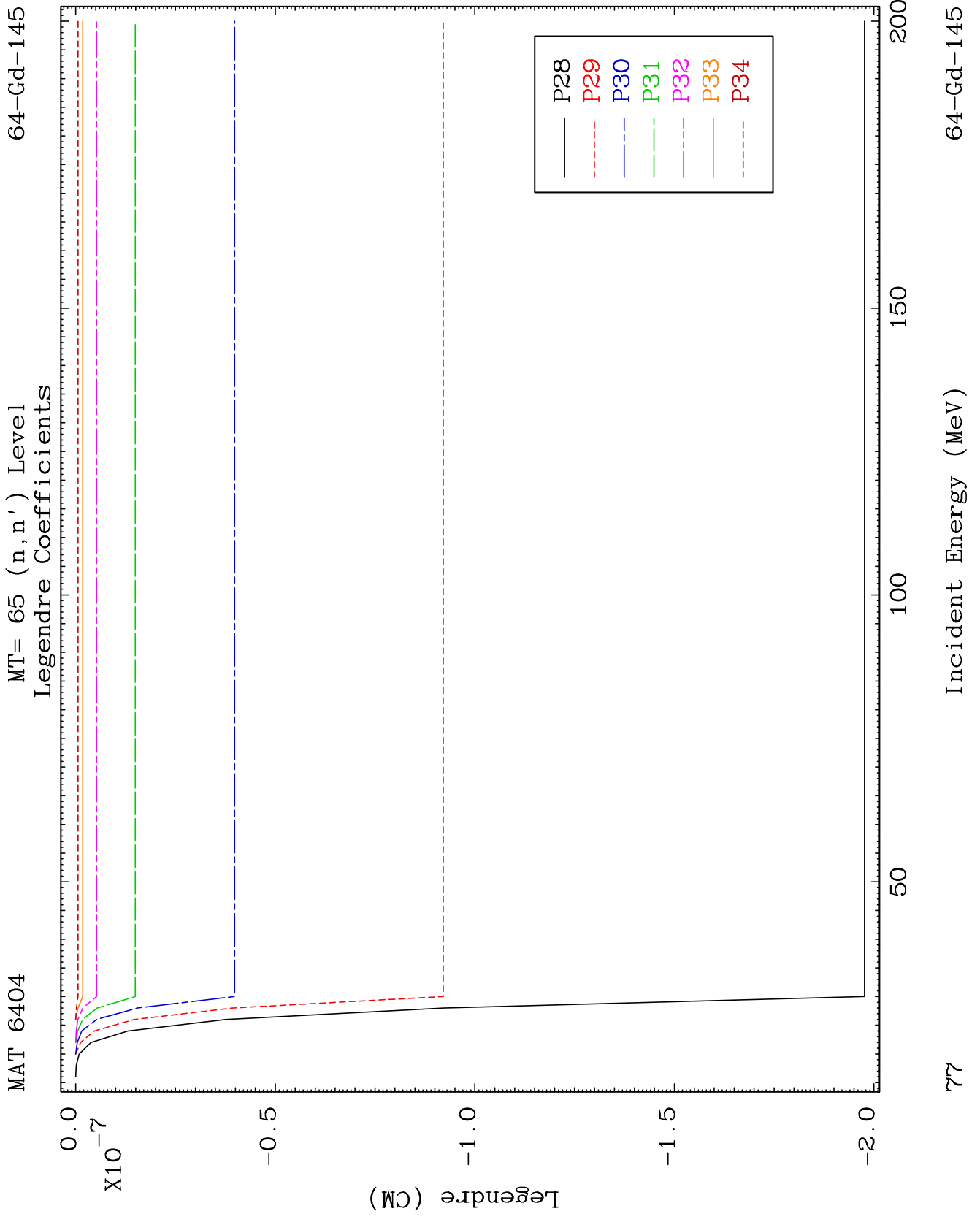


75

Incident Energy (MeV)

64-Gd-145

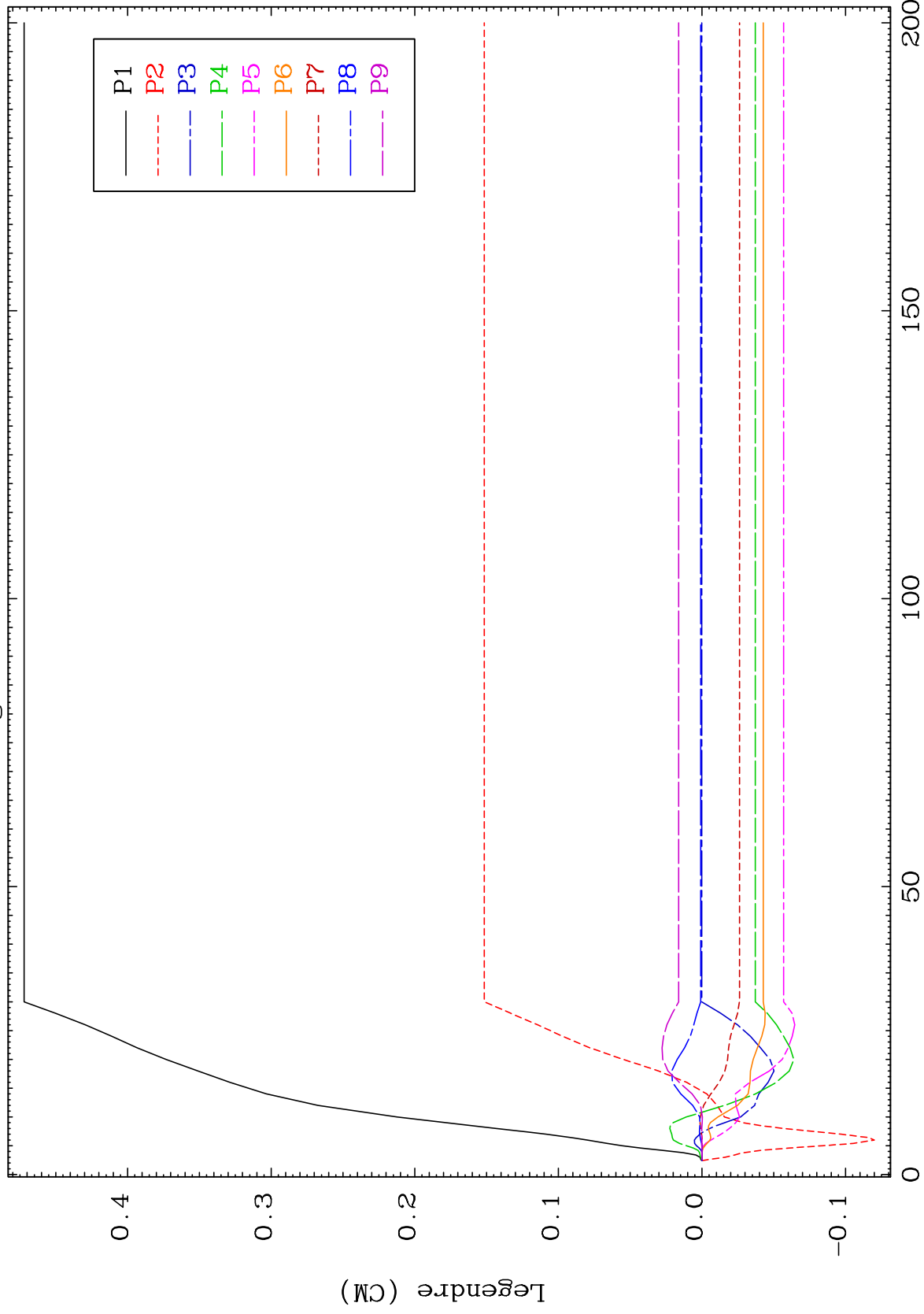




MAT 6404

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

64-Gd-145



78

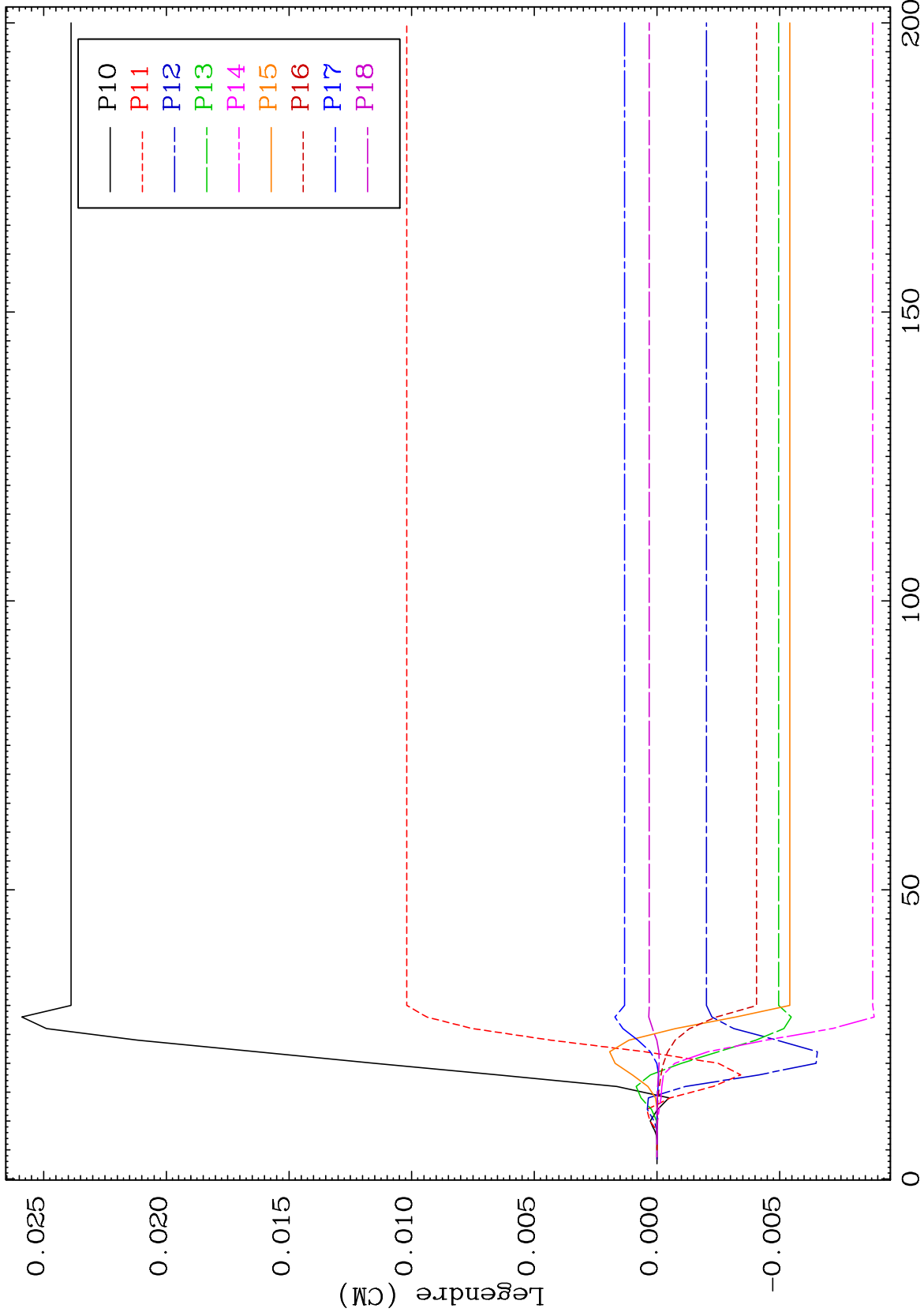
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



79

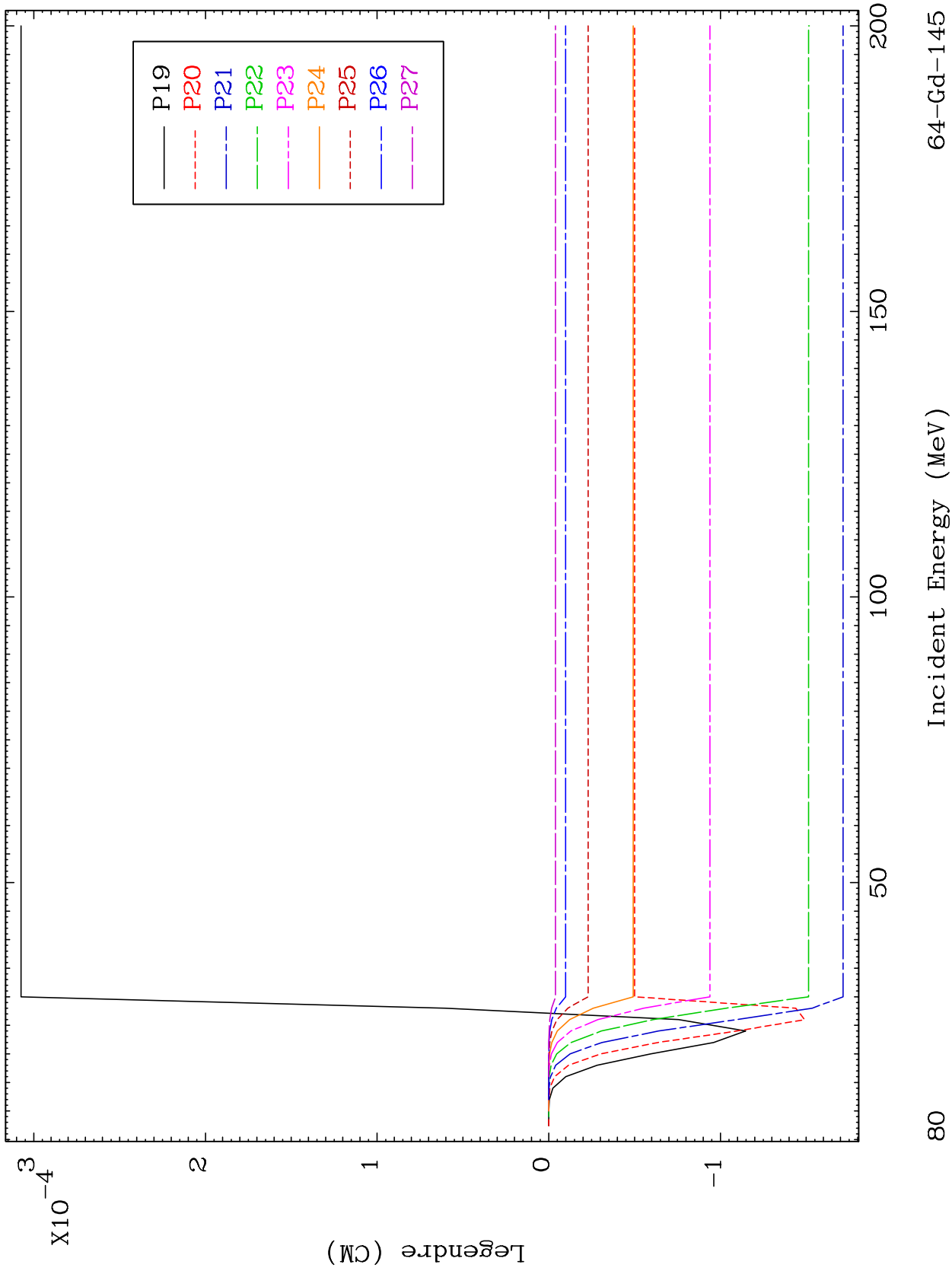
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

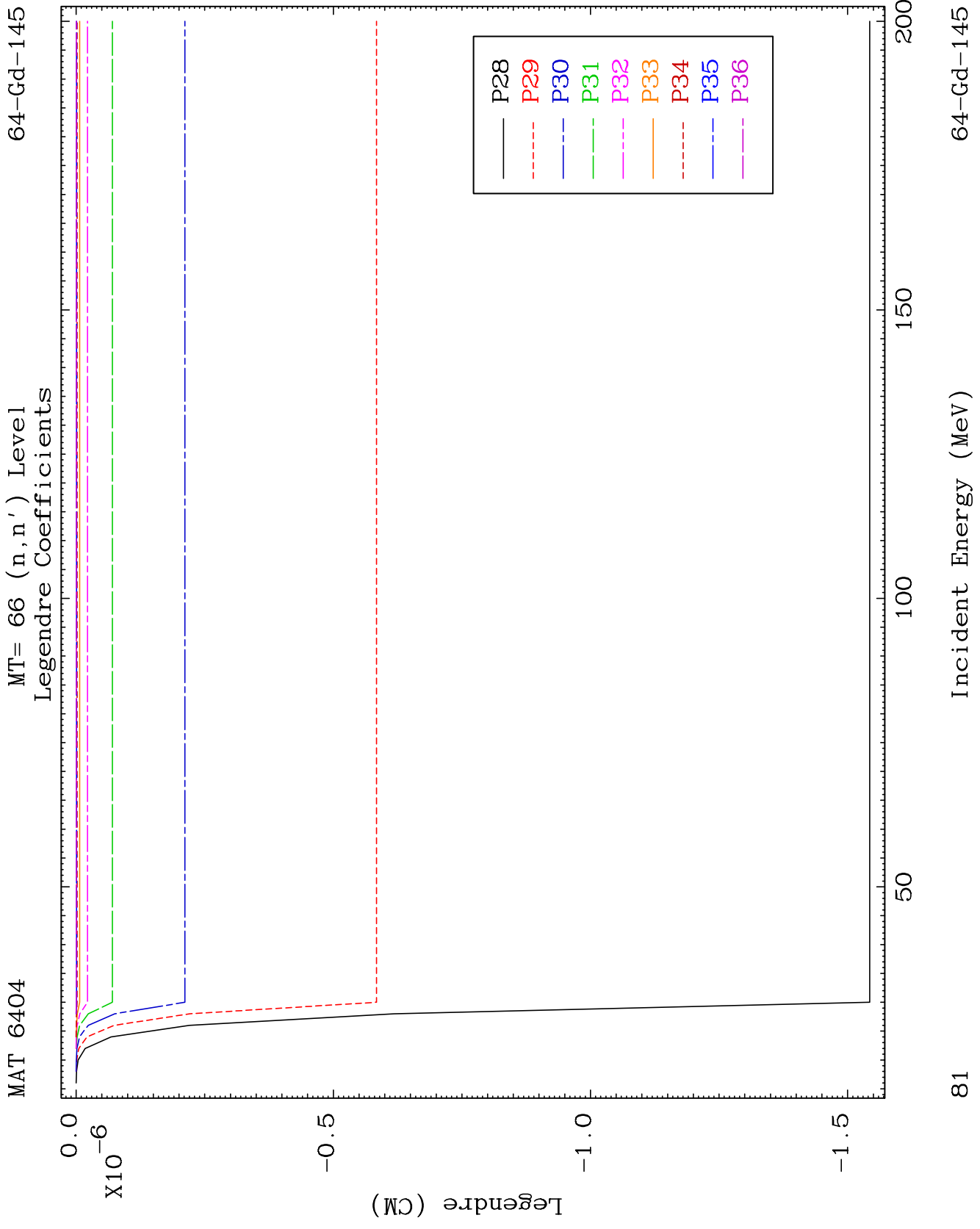
64-Gd-145



80

Incident Energy (MeV)

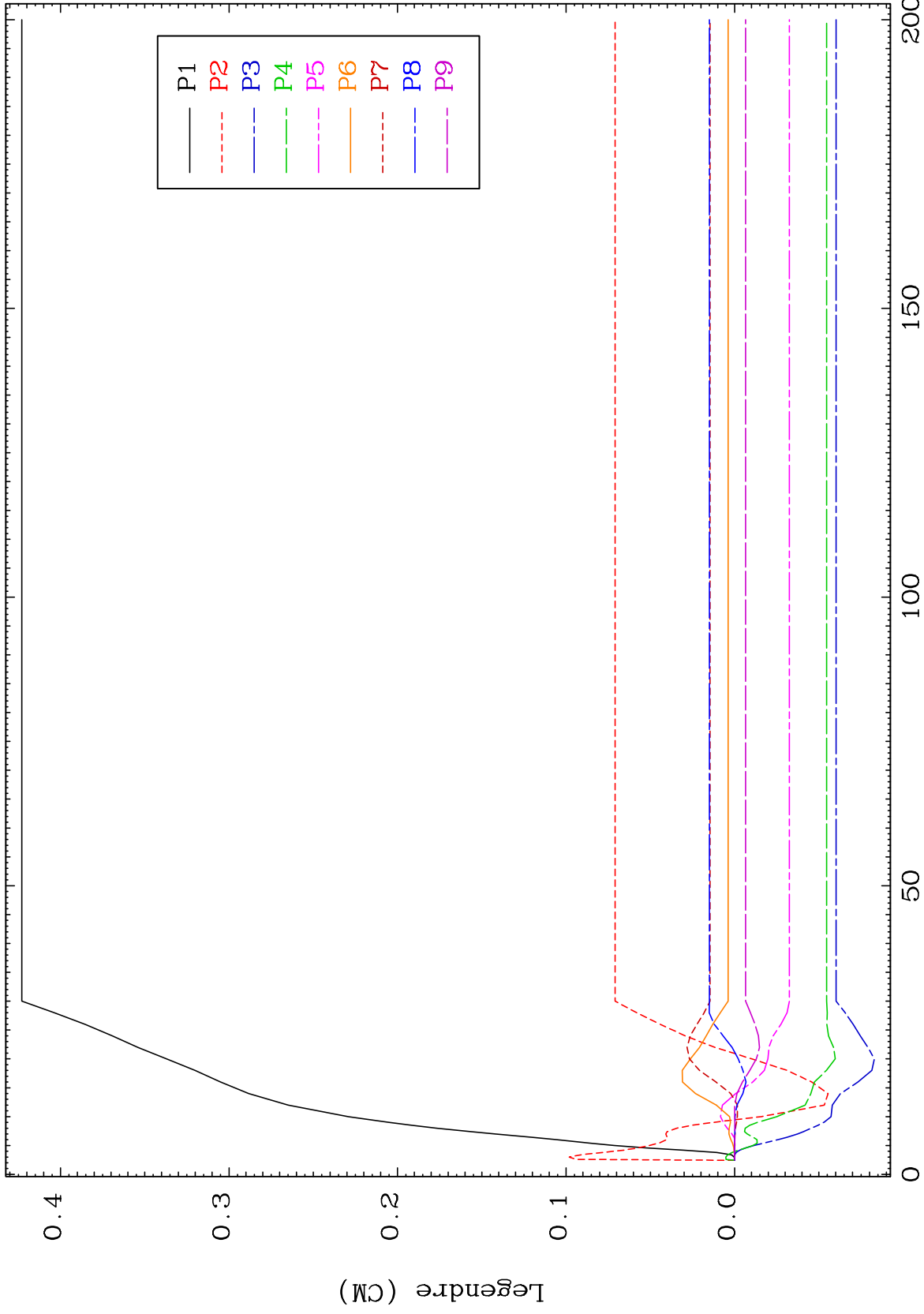
64-Gd-145



MAT 6404

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

64-Gd-145



82

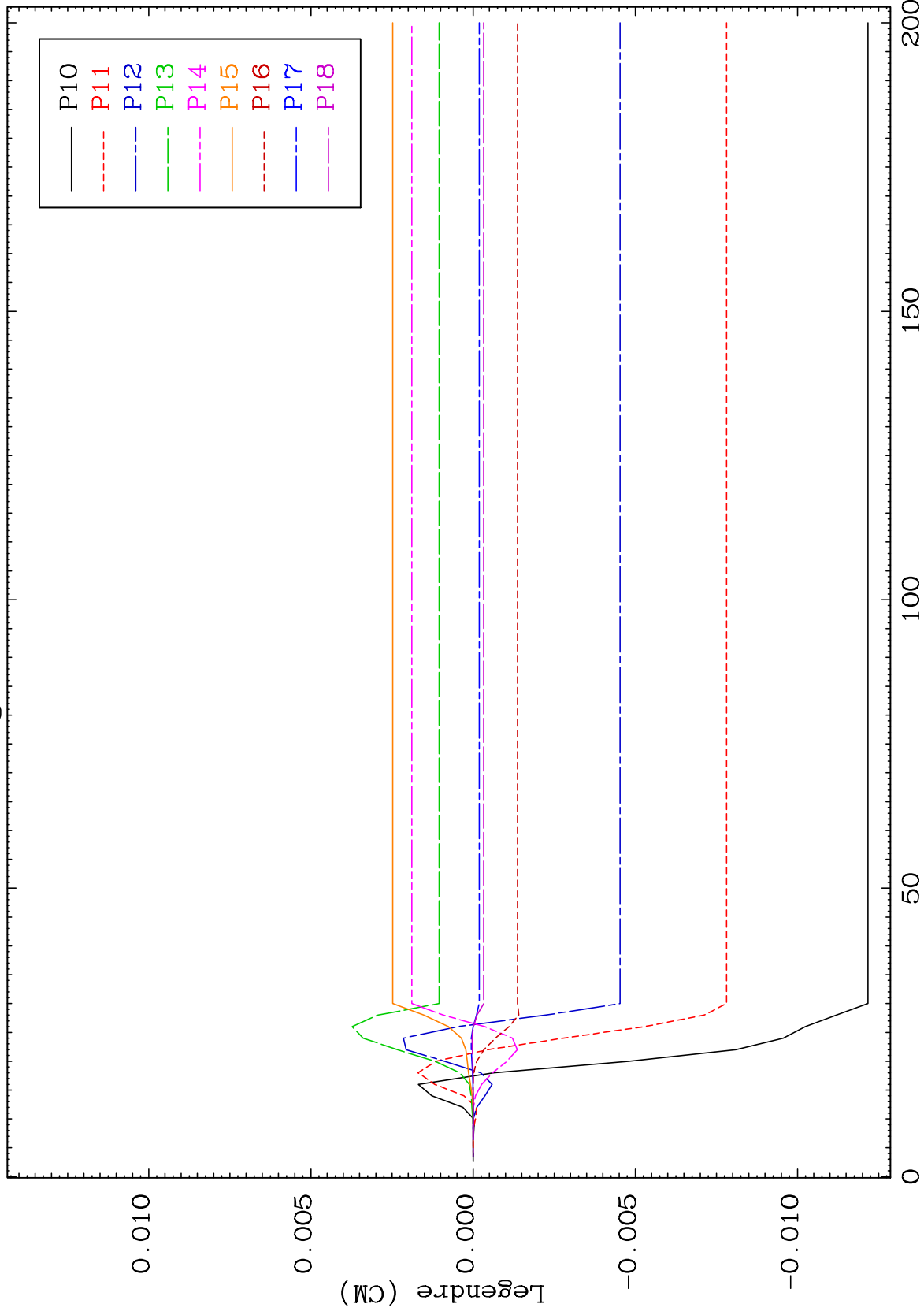
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



83

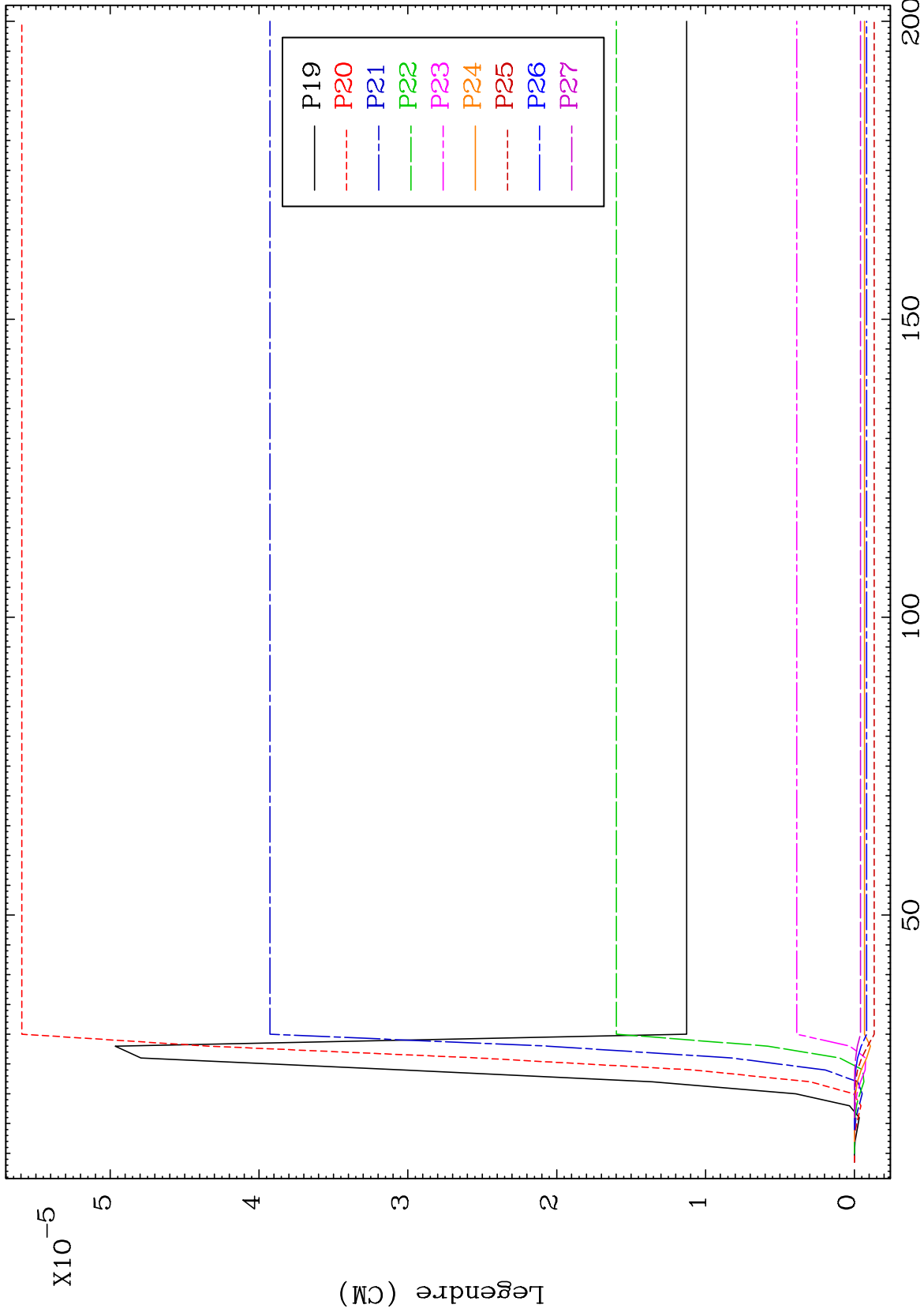
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

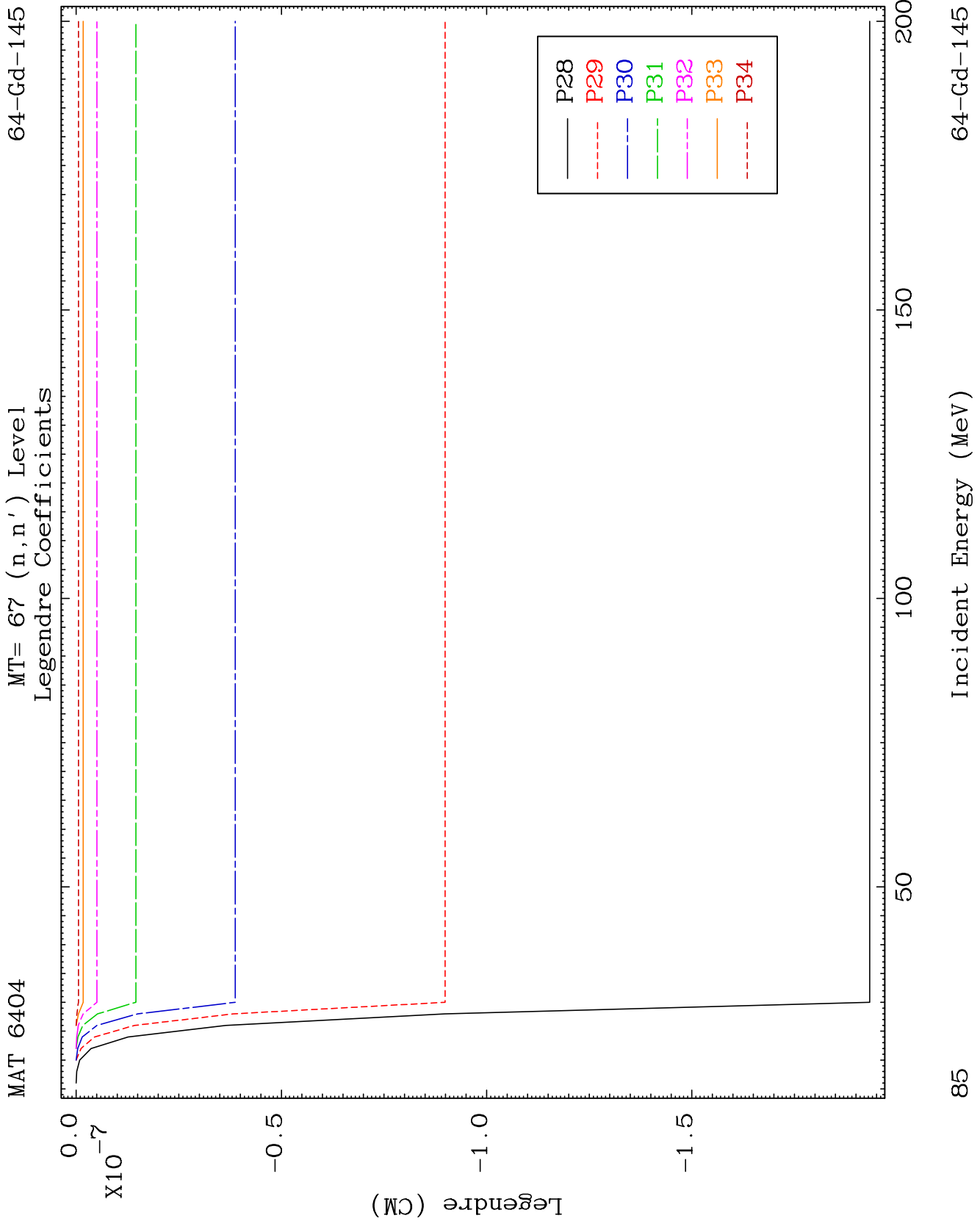
64-Gd-145



84

Incident Energy (MeV)

64-Gd-145

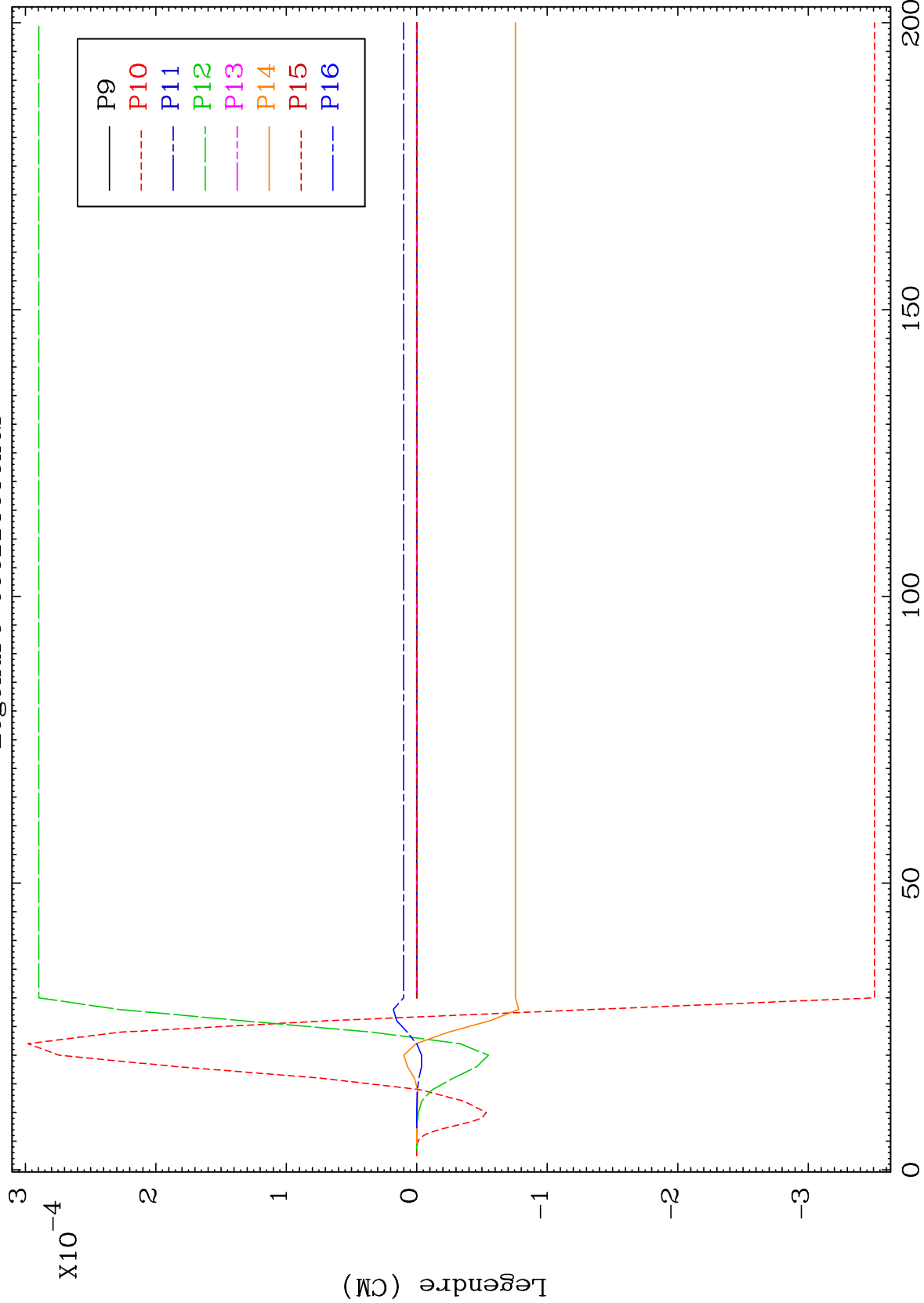




MAT 6404

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

64-Gd-145



87

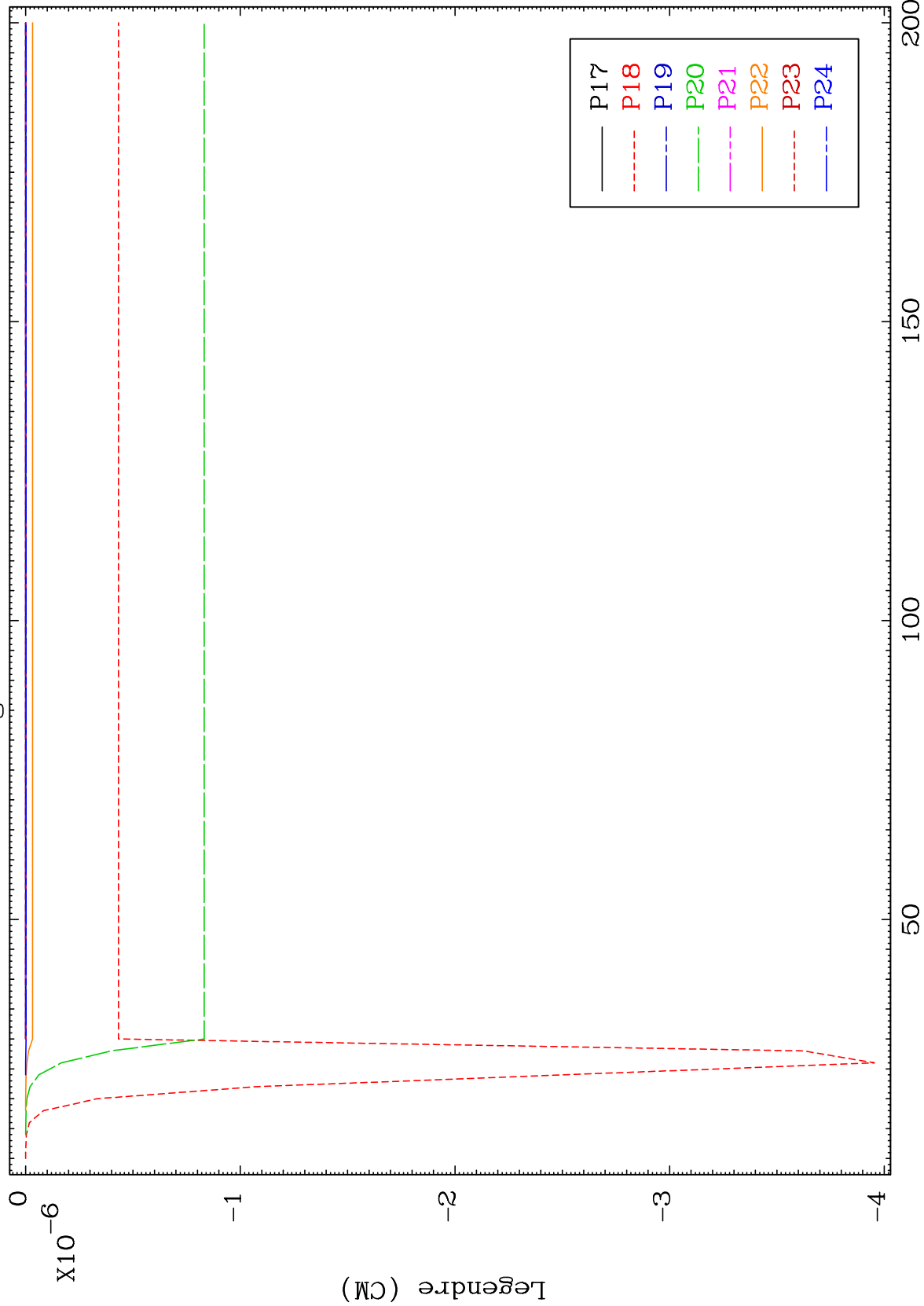
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



64-Gd-145

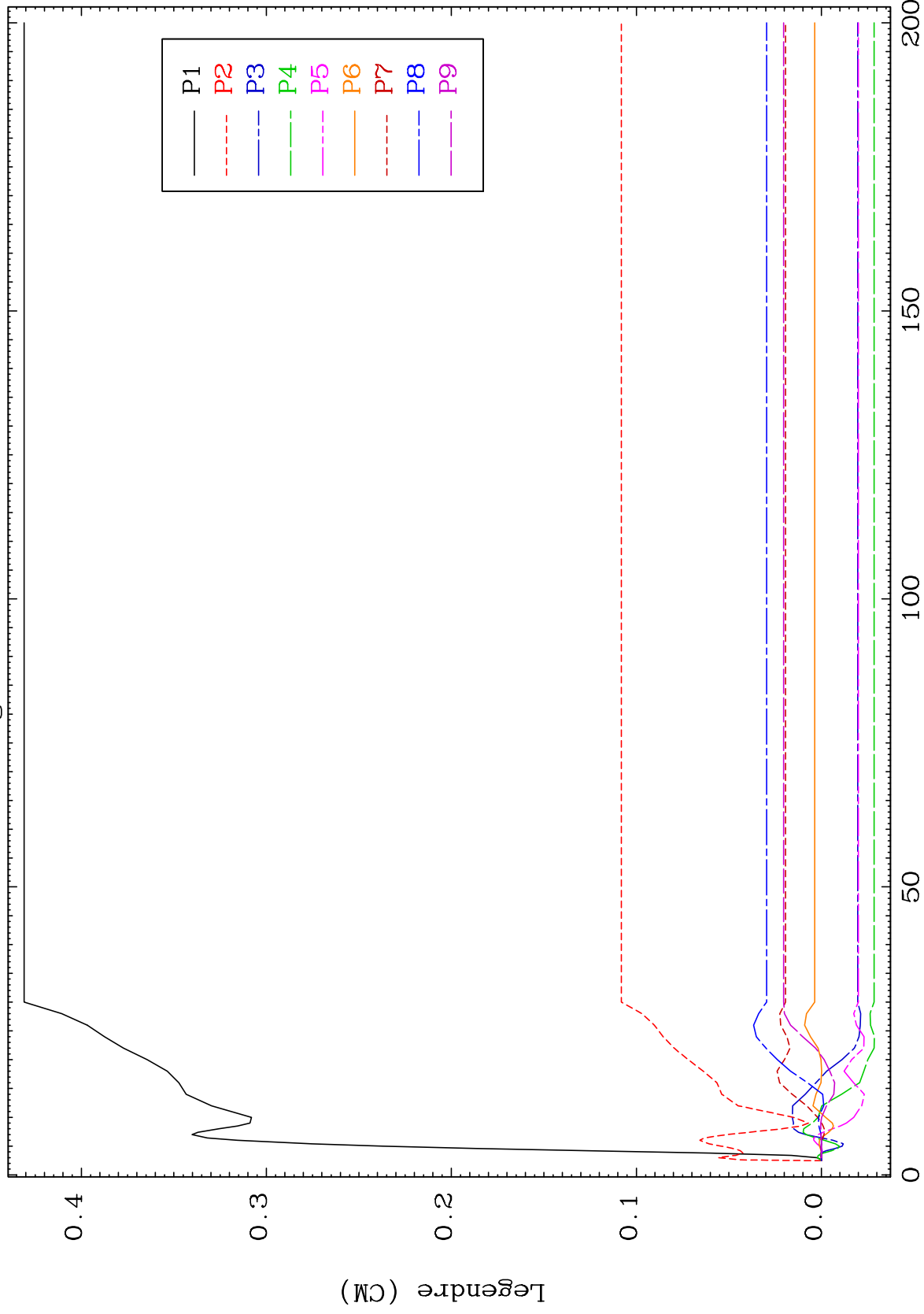
Incident Energy (MeV)

88

MAT 6404

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

64-Gd-145



89

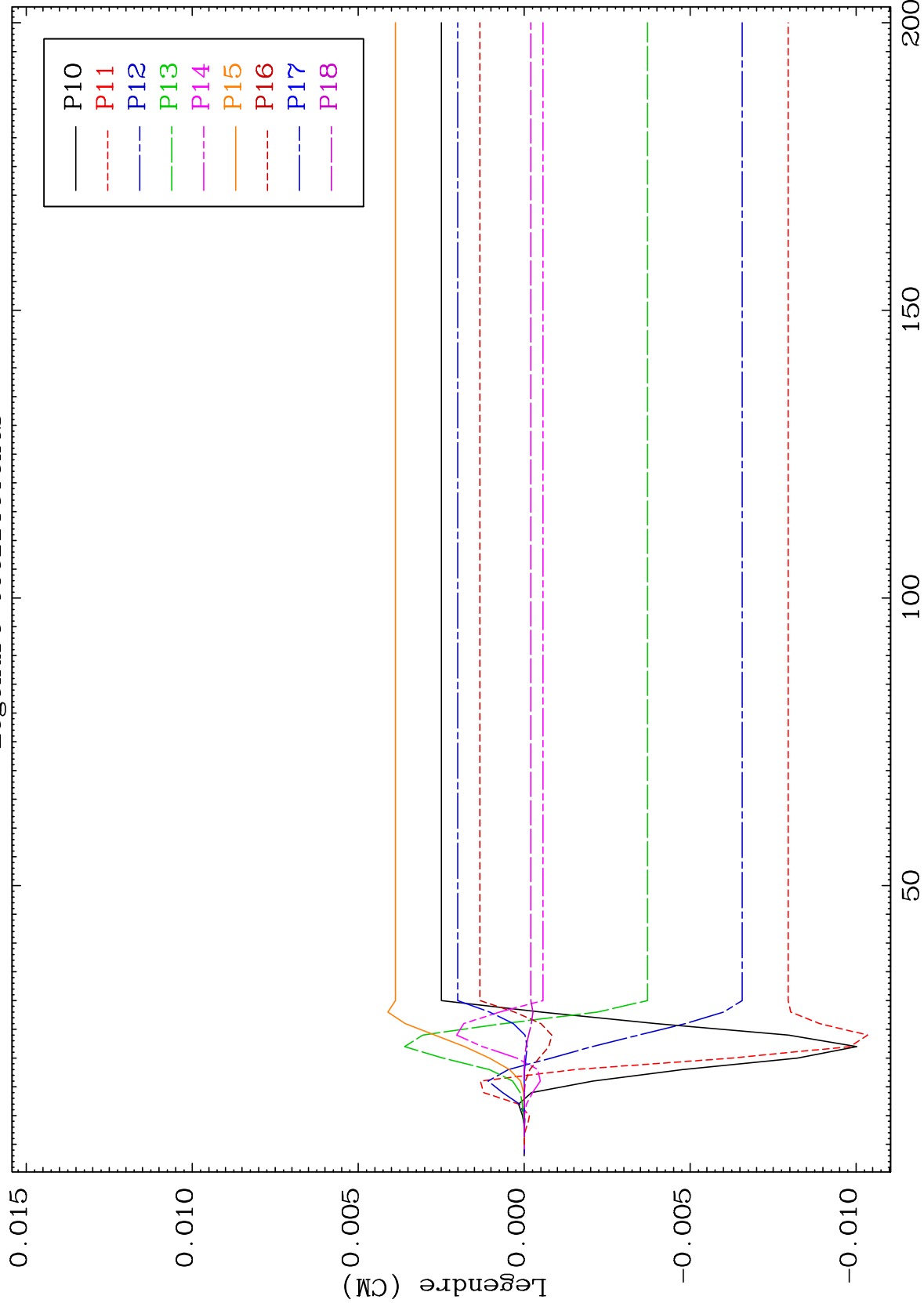
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

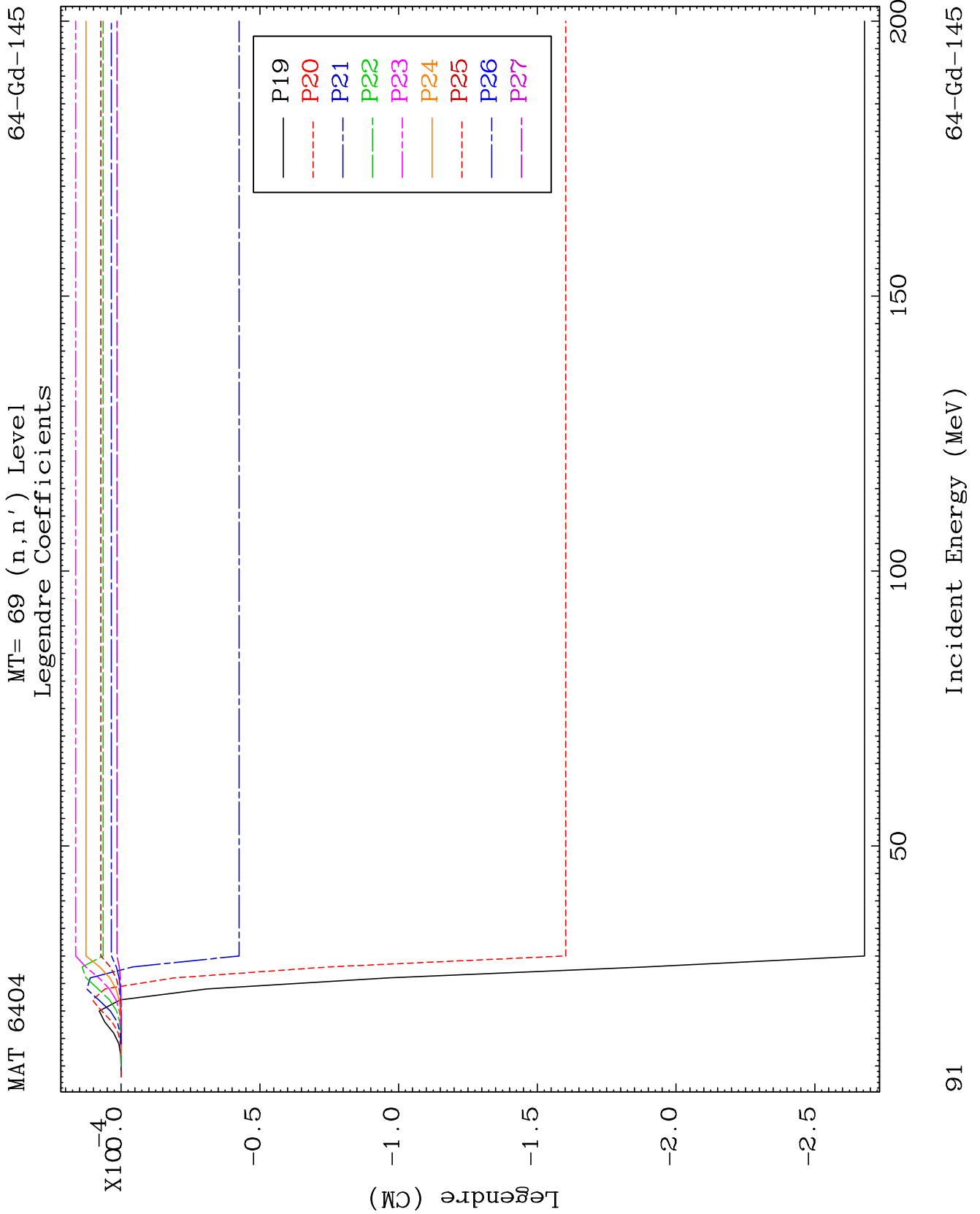
64-Gd-145



90

Incident Energy (MeV)

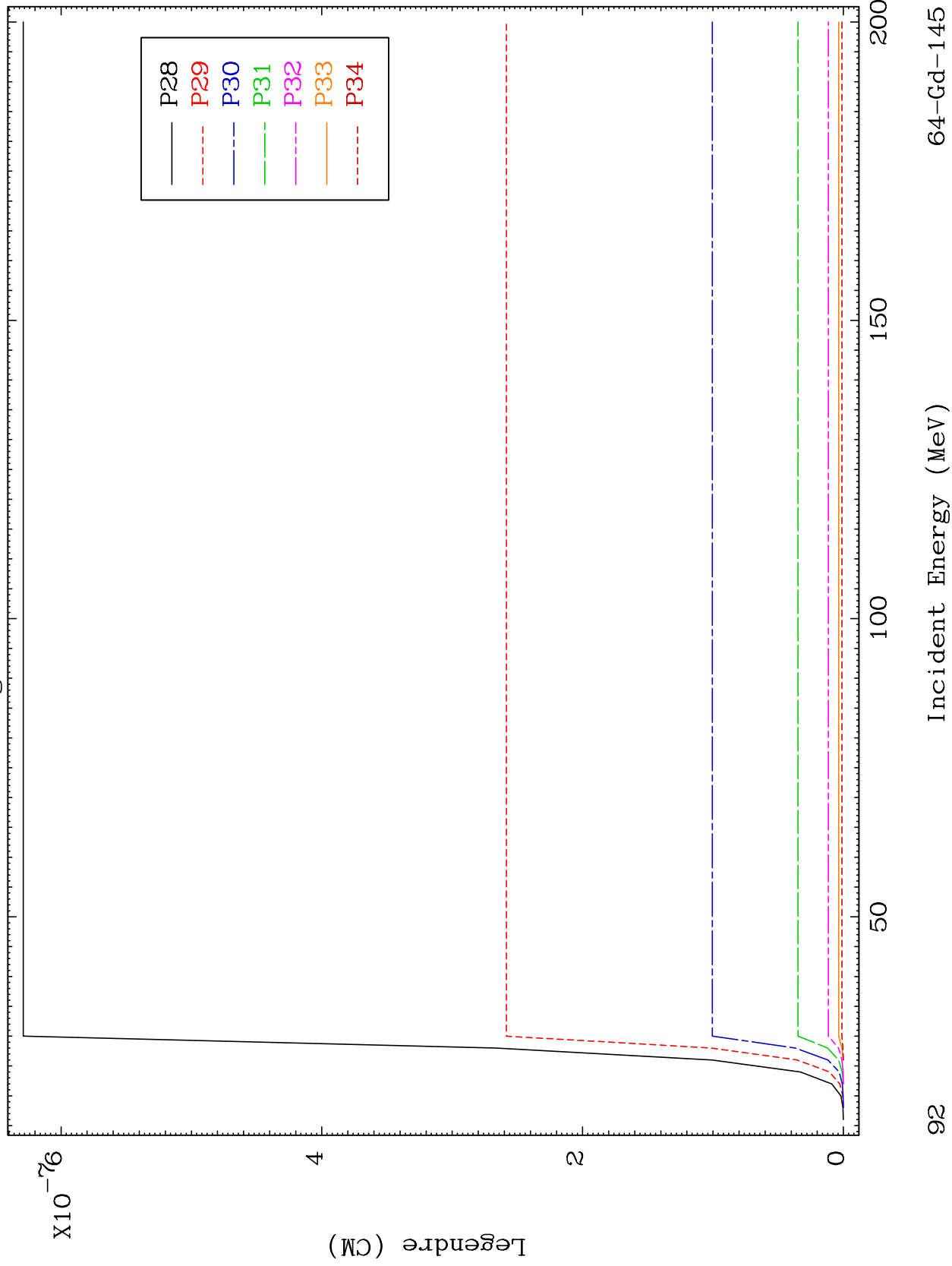
64-Gd-145



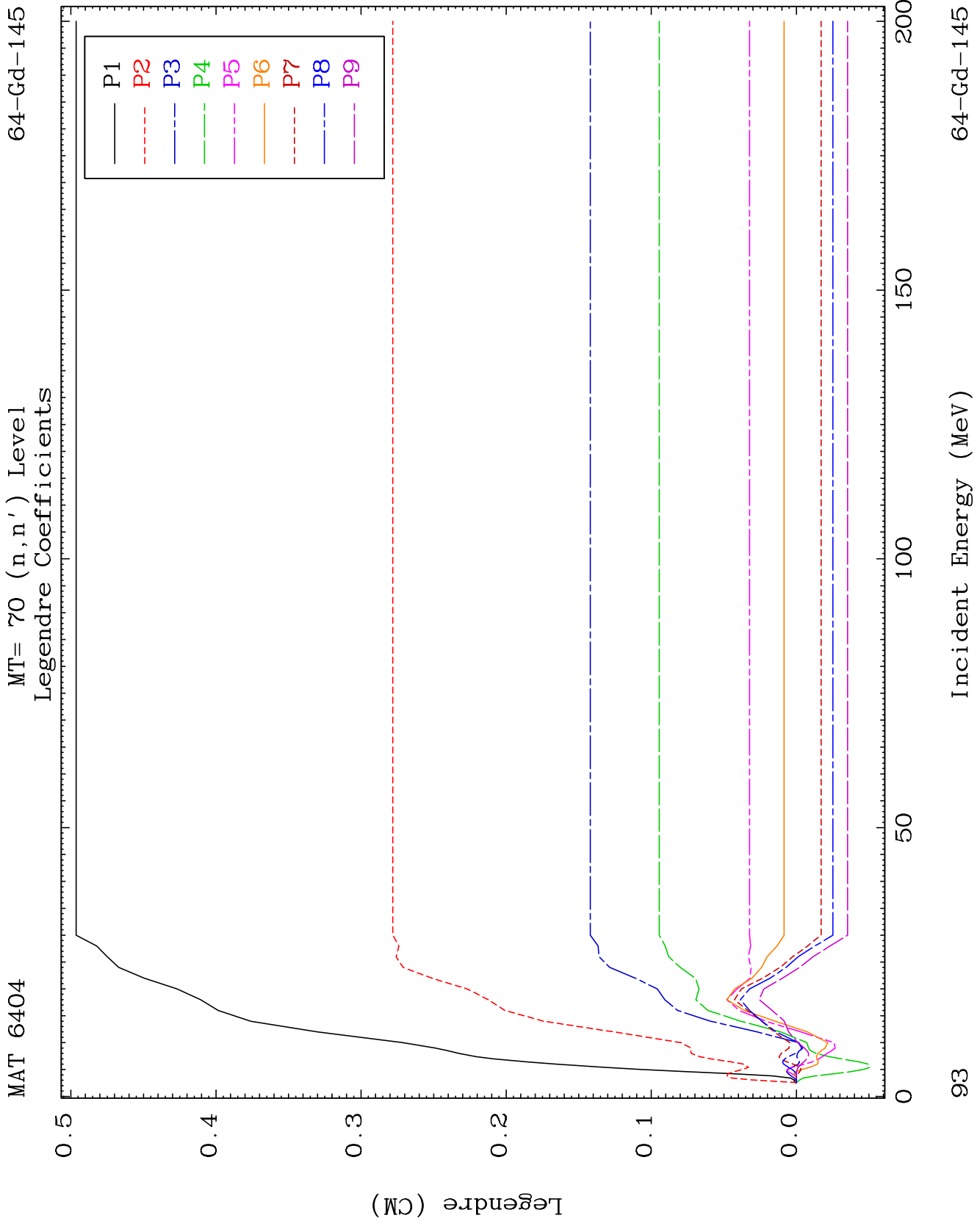
MAT 6404

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

64-Gd-145



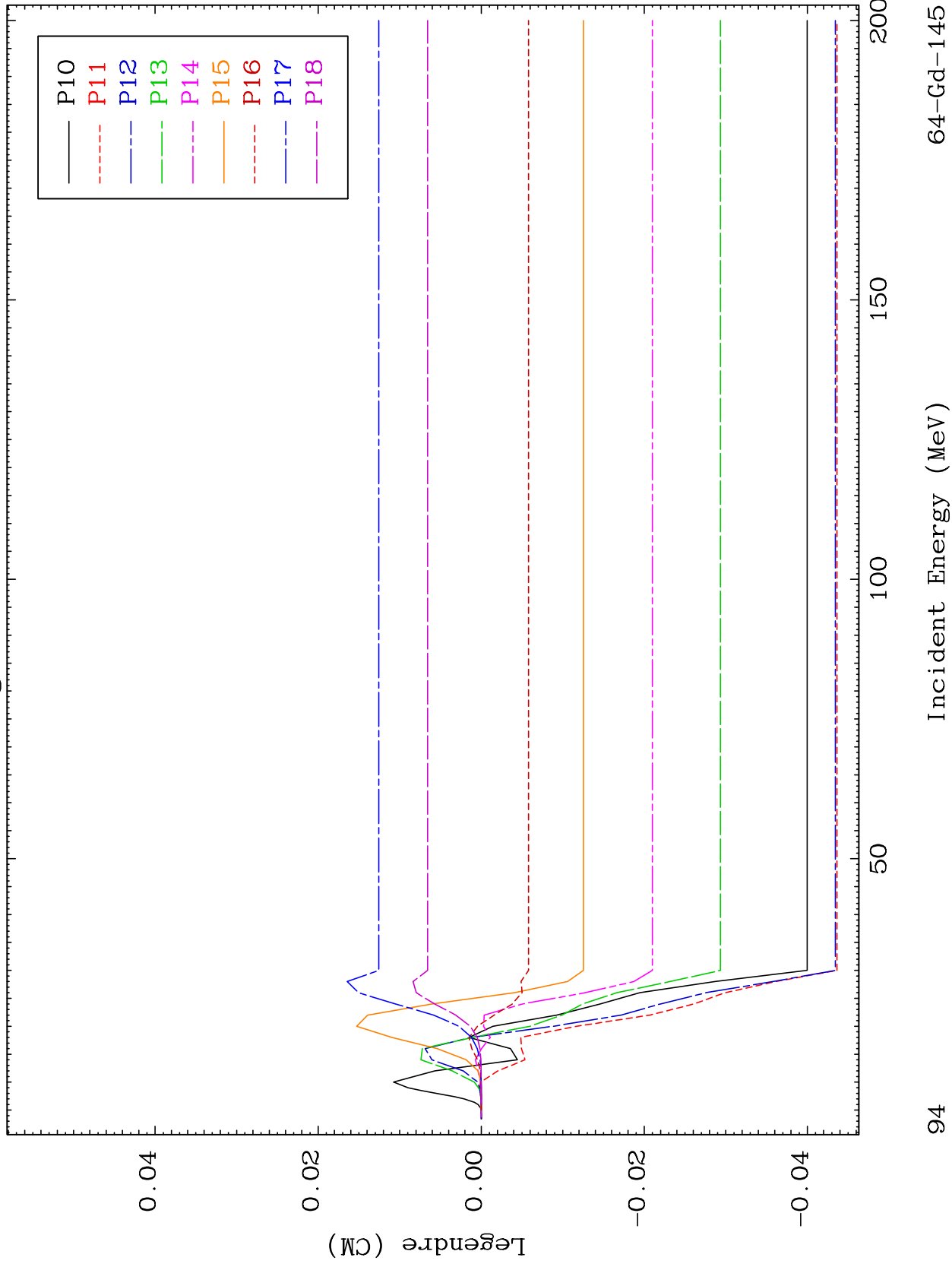
92



MAT 6404

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

64-Gd-145



94

Incident Energy (MeV)

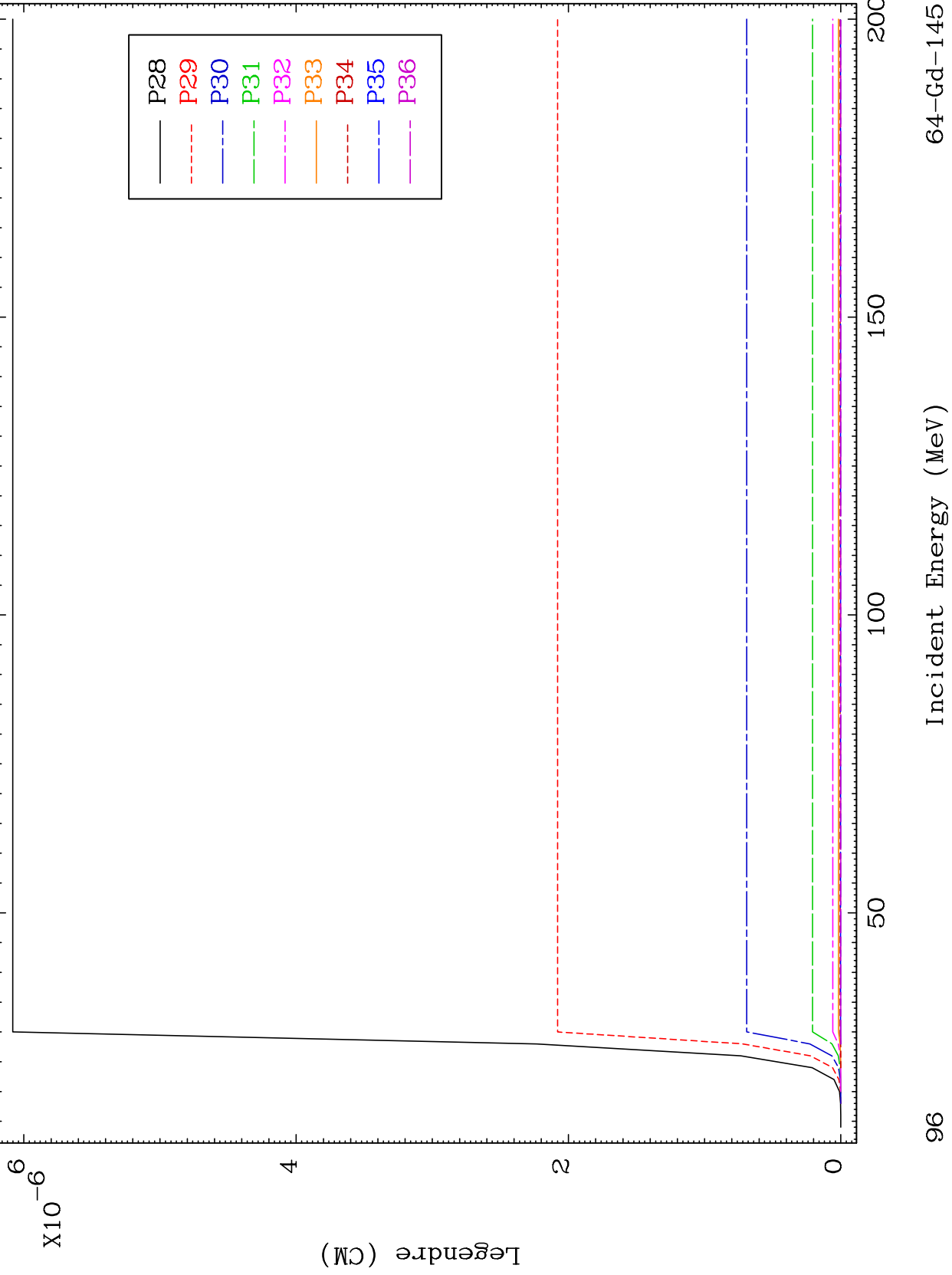
64-Gd-145



MAT 6404

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

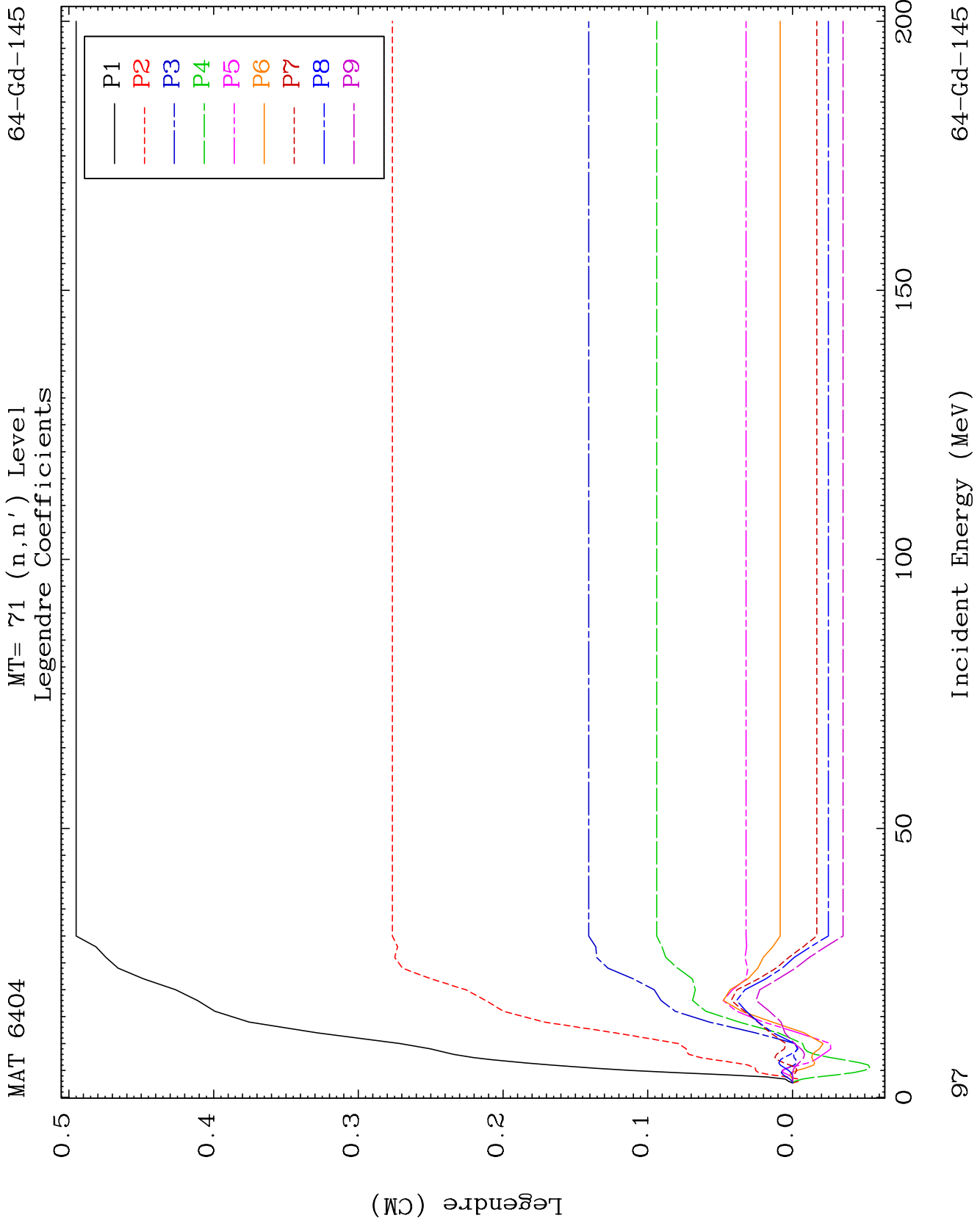
64-Gd-145



96

Incident Energy (MeV)

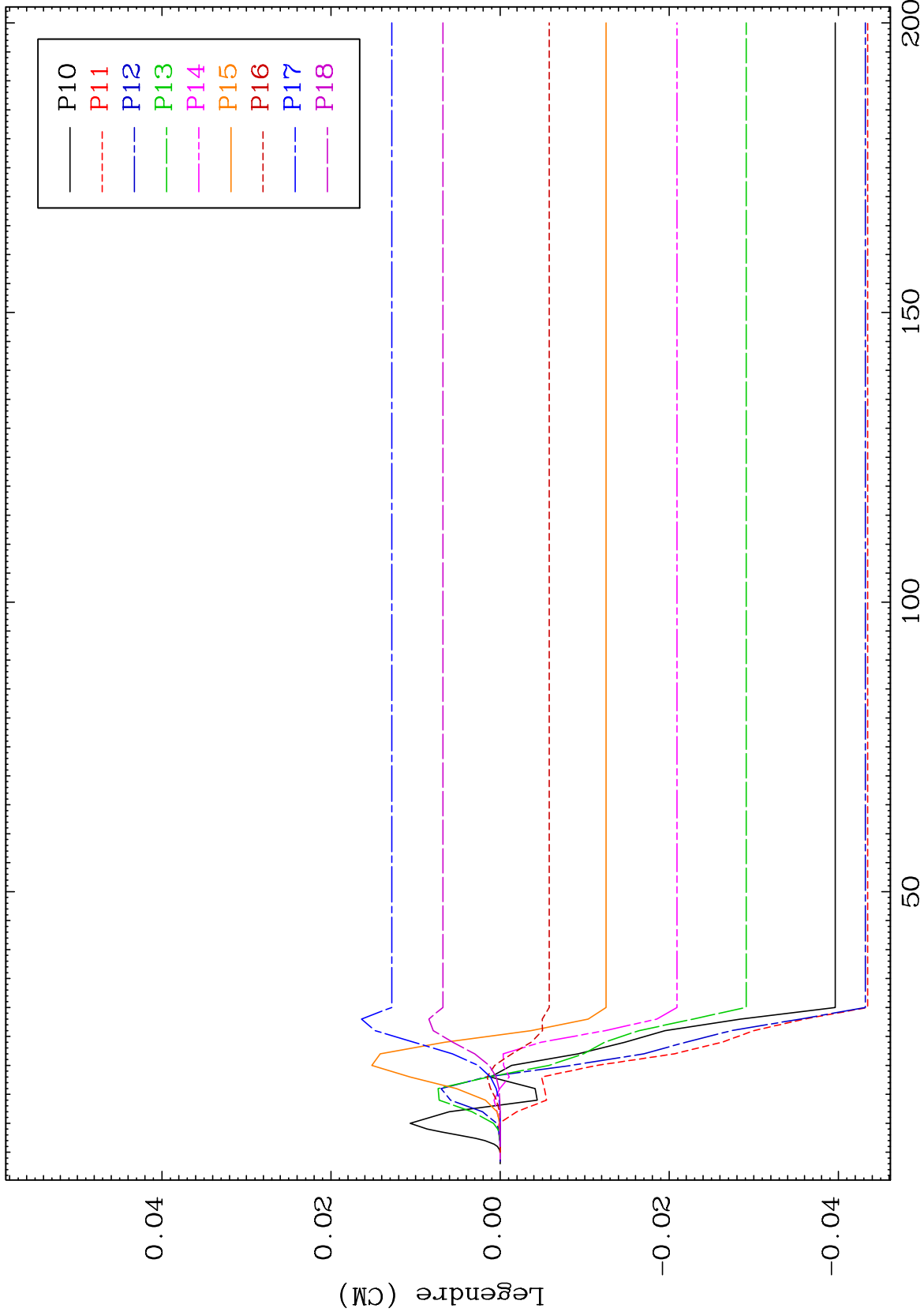
64-Gd-145



MAT 6404

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

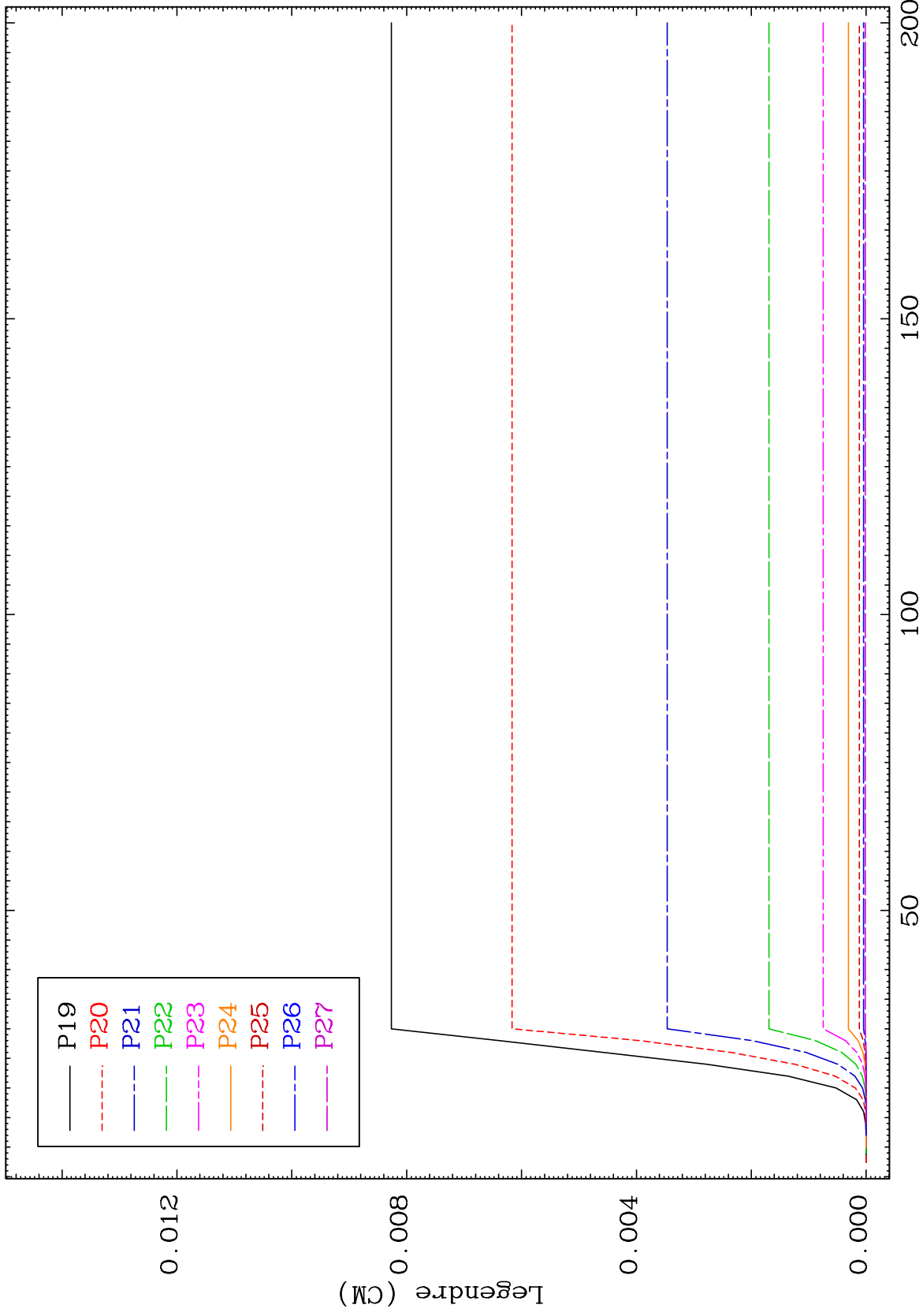
64-Gd-145



MAT 6404

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

64-Gd-145



99

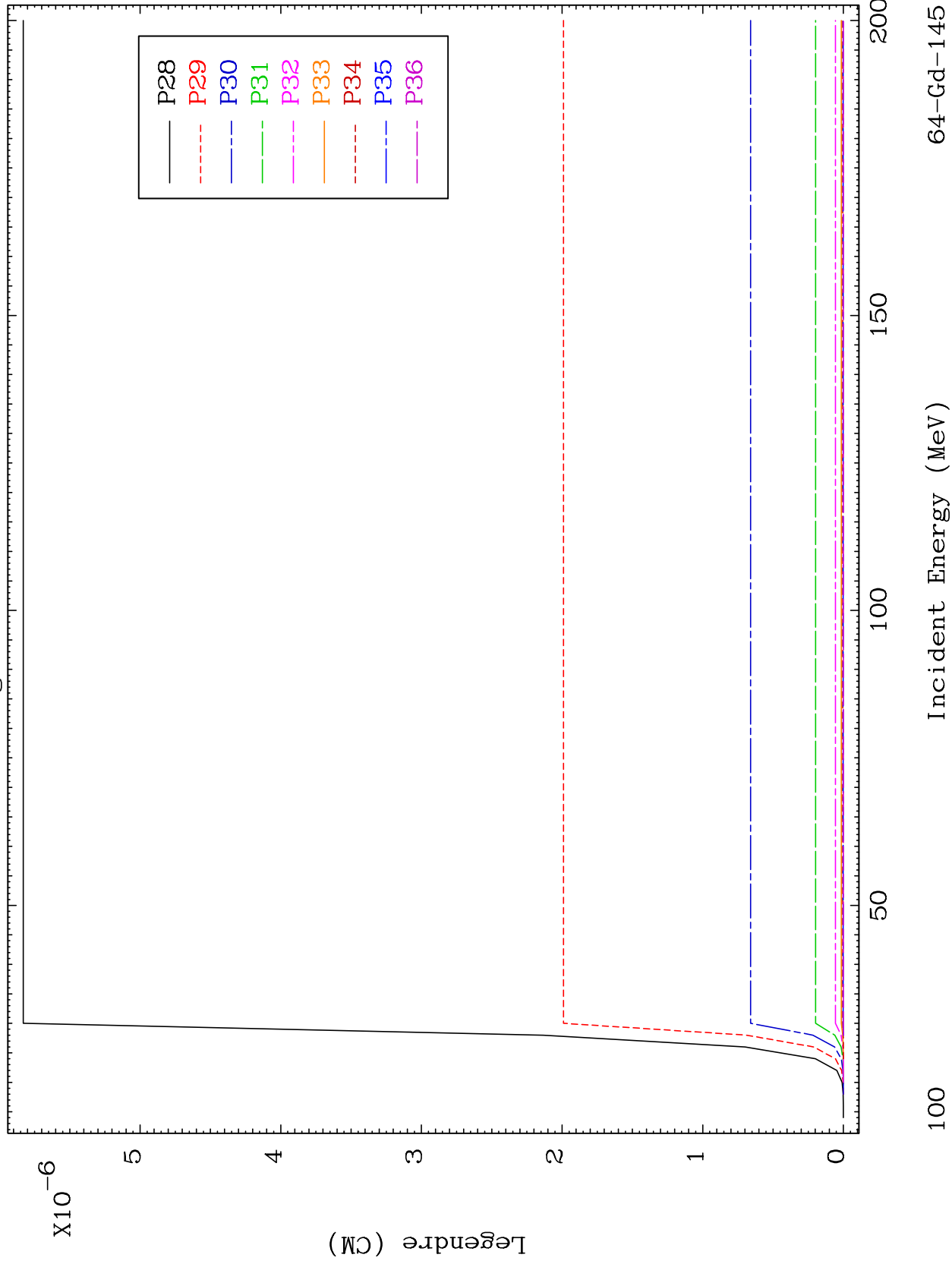
Incident Energy (MeV)

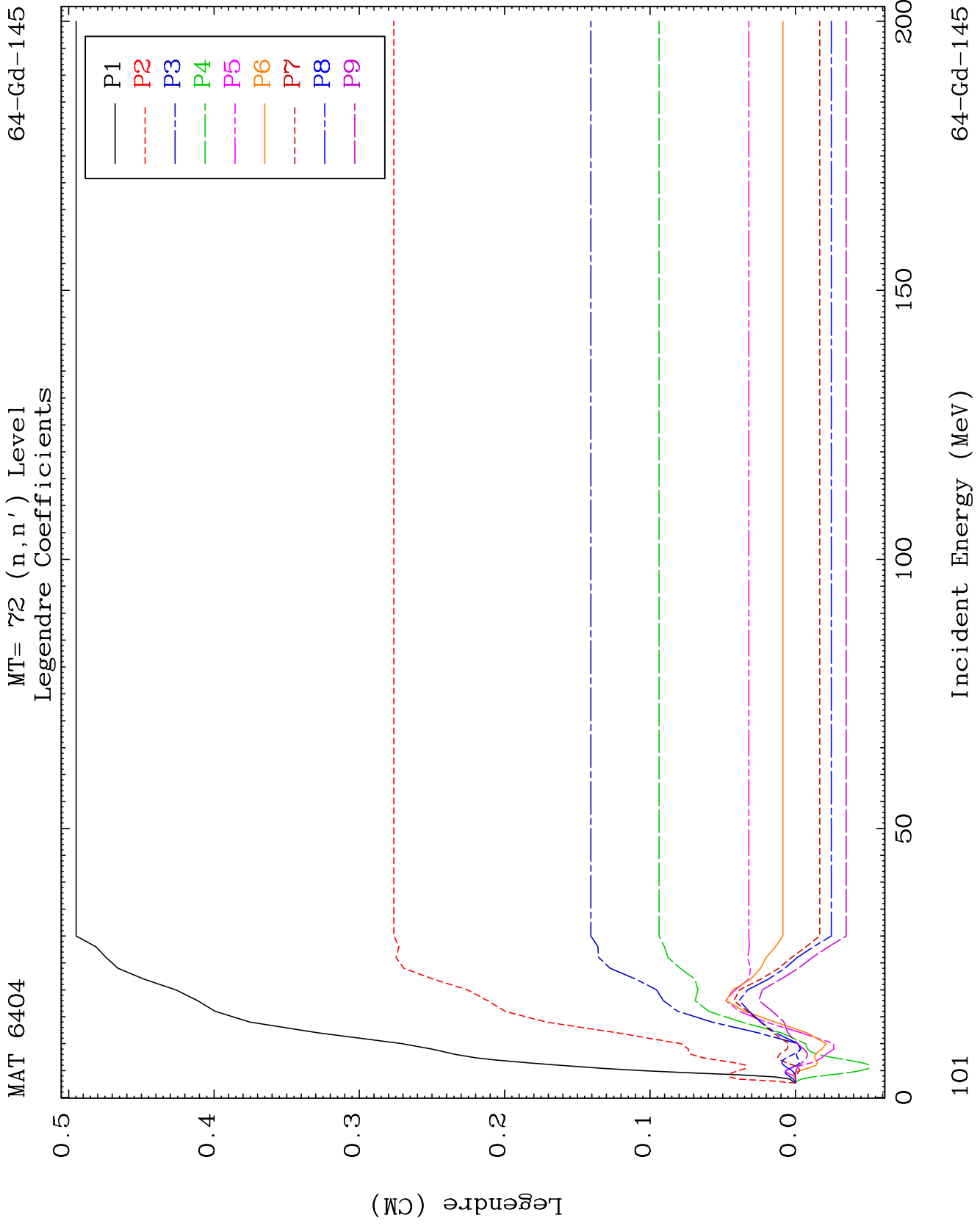
64-Gd-145

MAT 6404

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

64-Gd-145

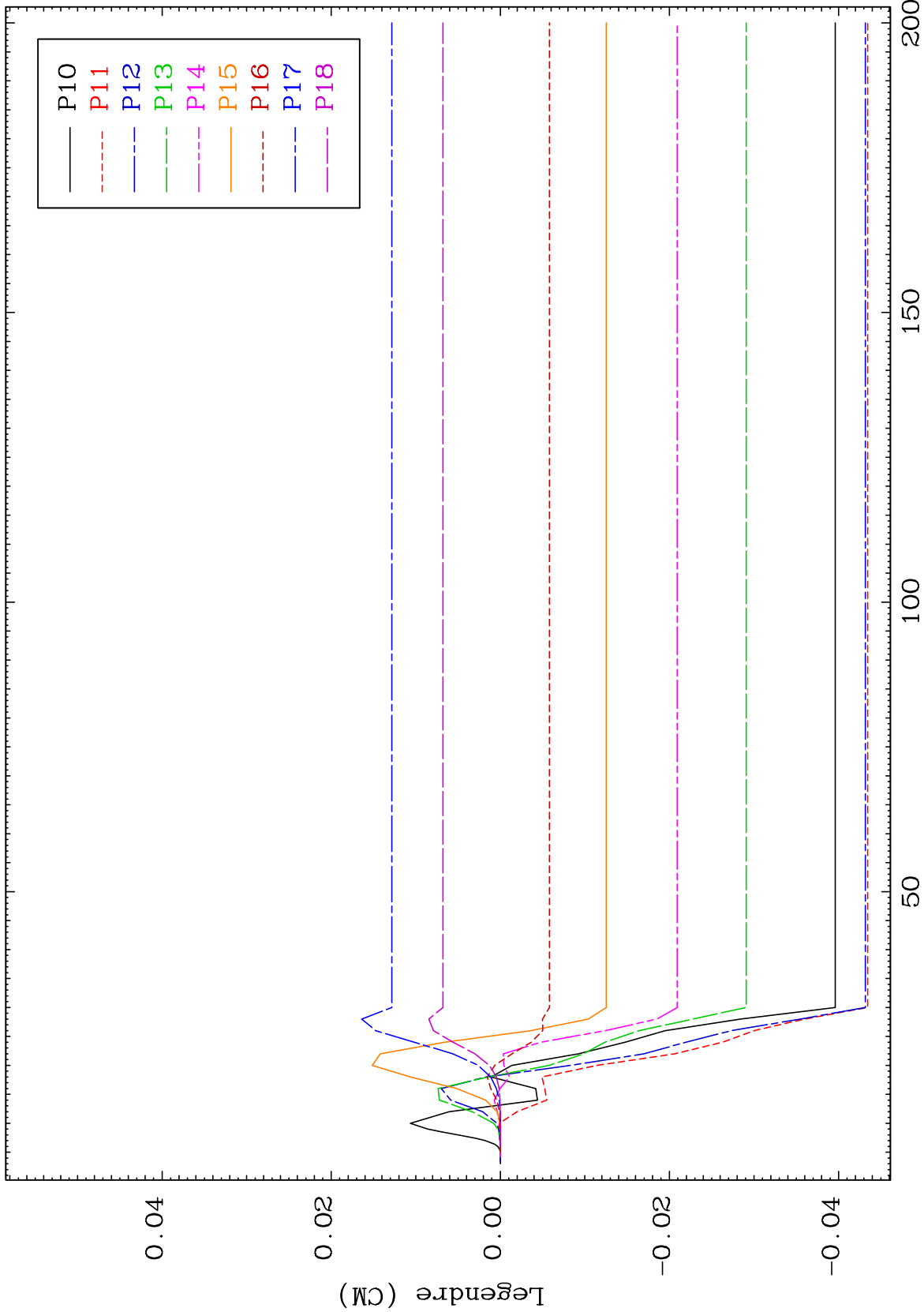




MAT 6404

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

64-Gd-145



102

Incident Energy (MeV)

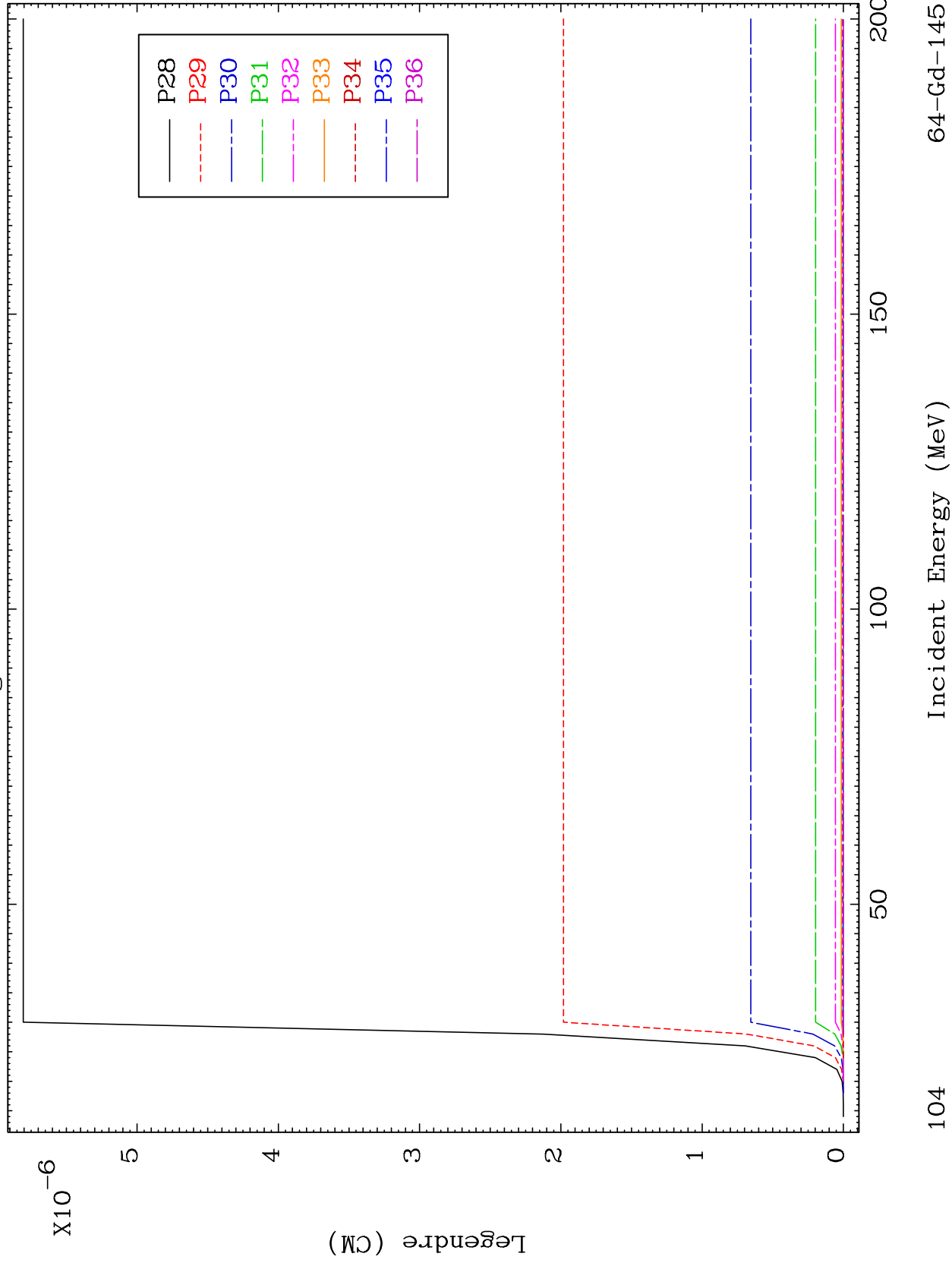
64-Gd-145



MAT 6404

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

64-Gd-145



104

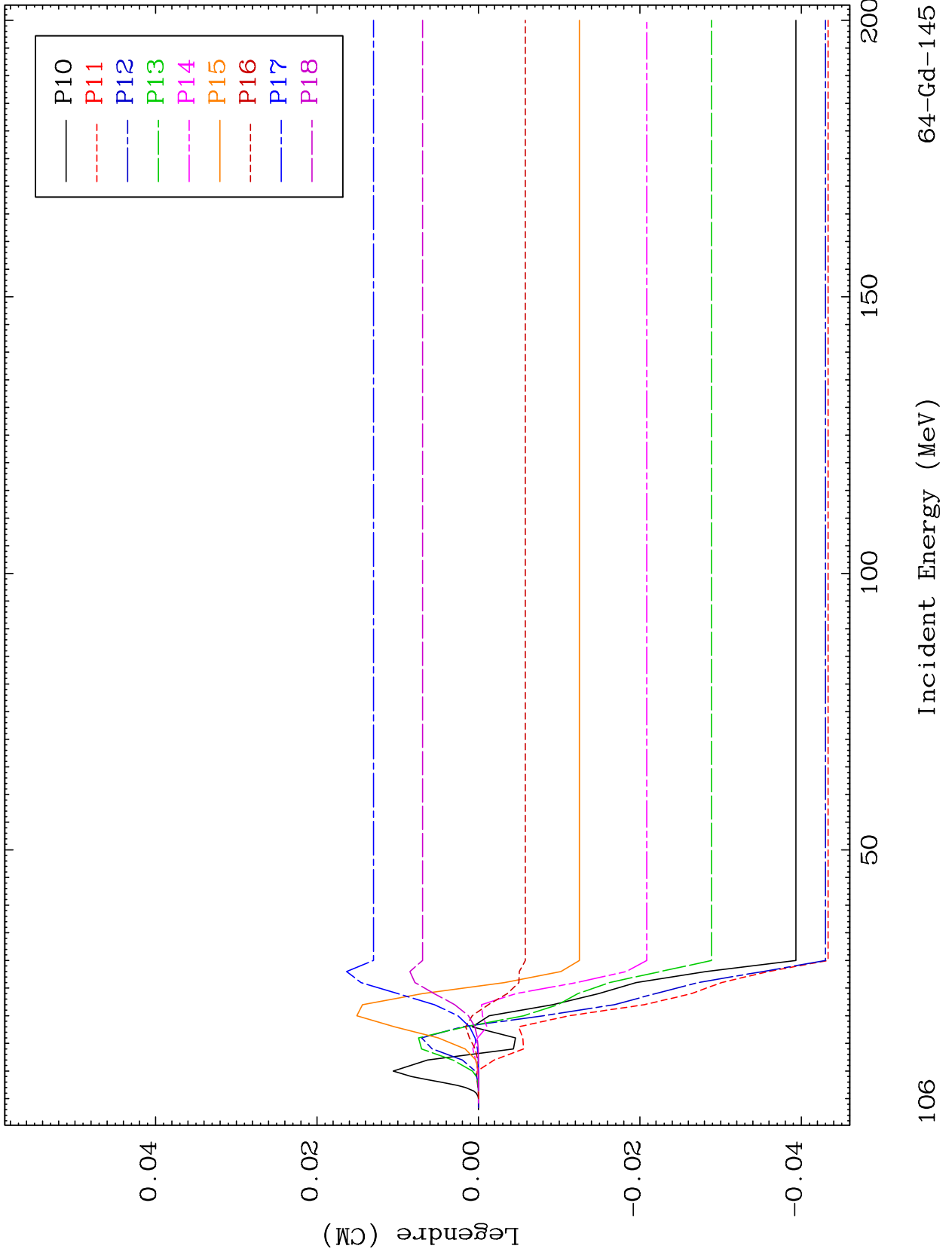
64-Gd-145



MAT 6404

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

64-Gd-145



106

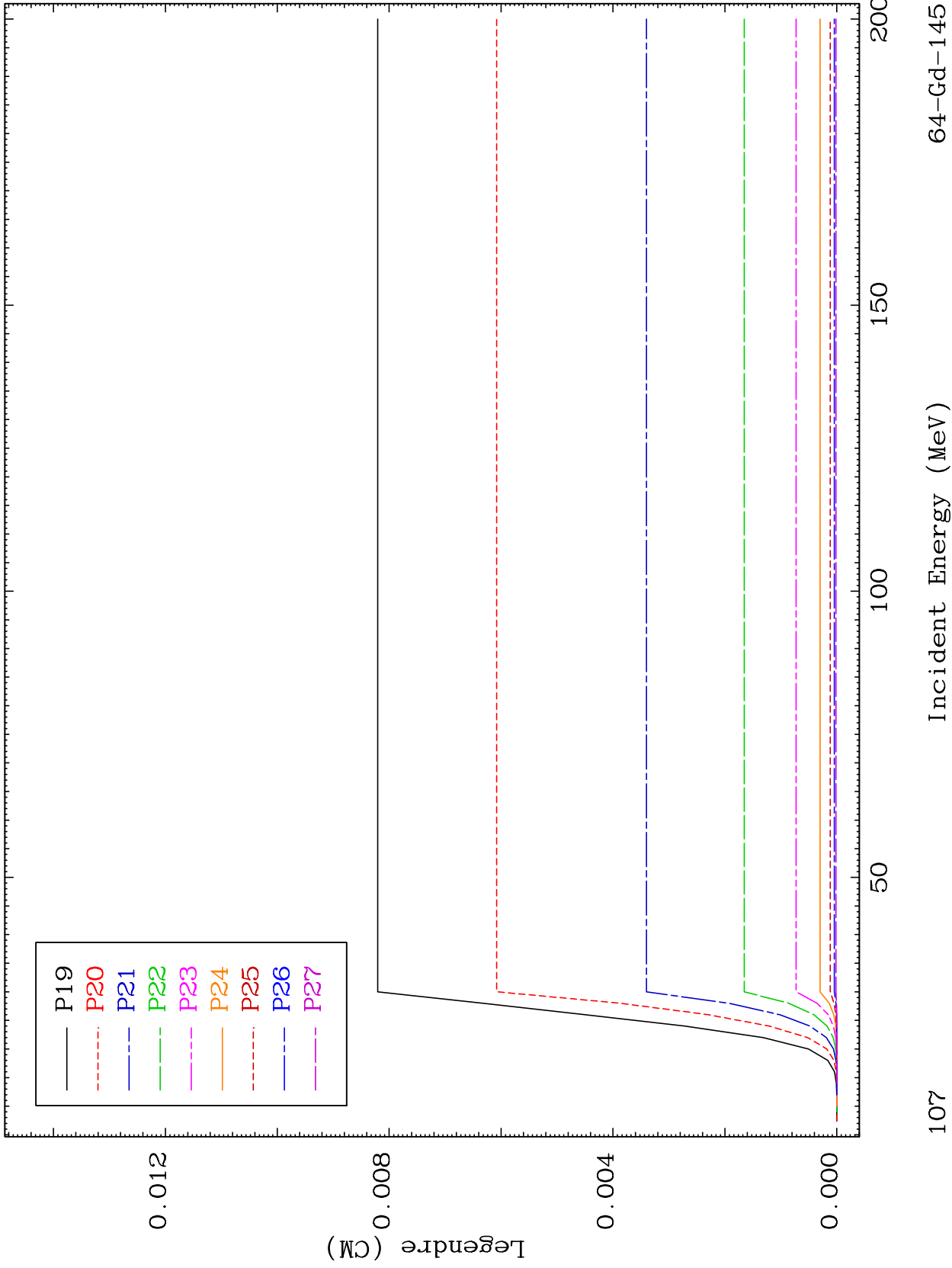
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



107

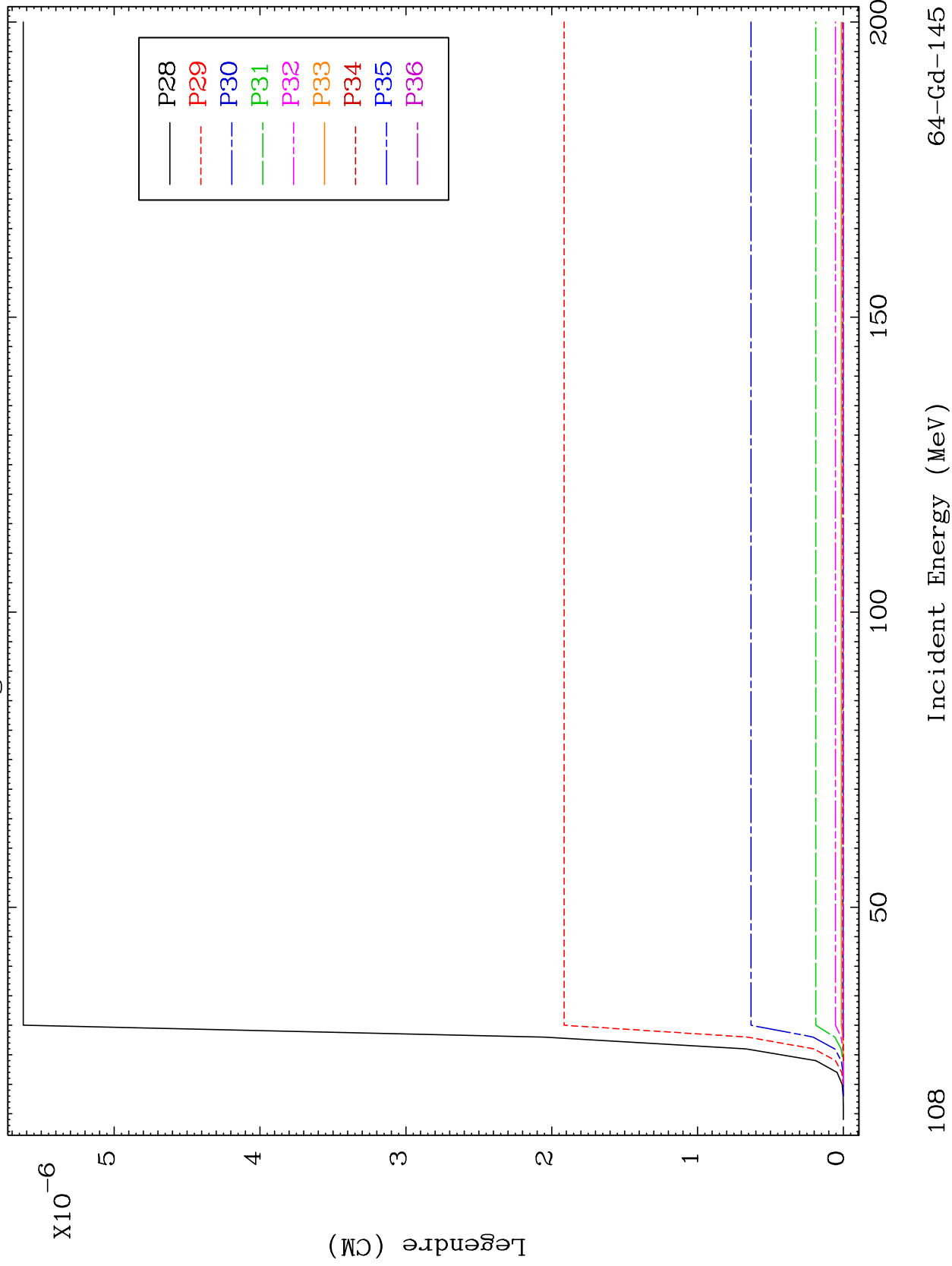
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

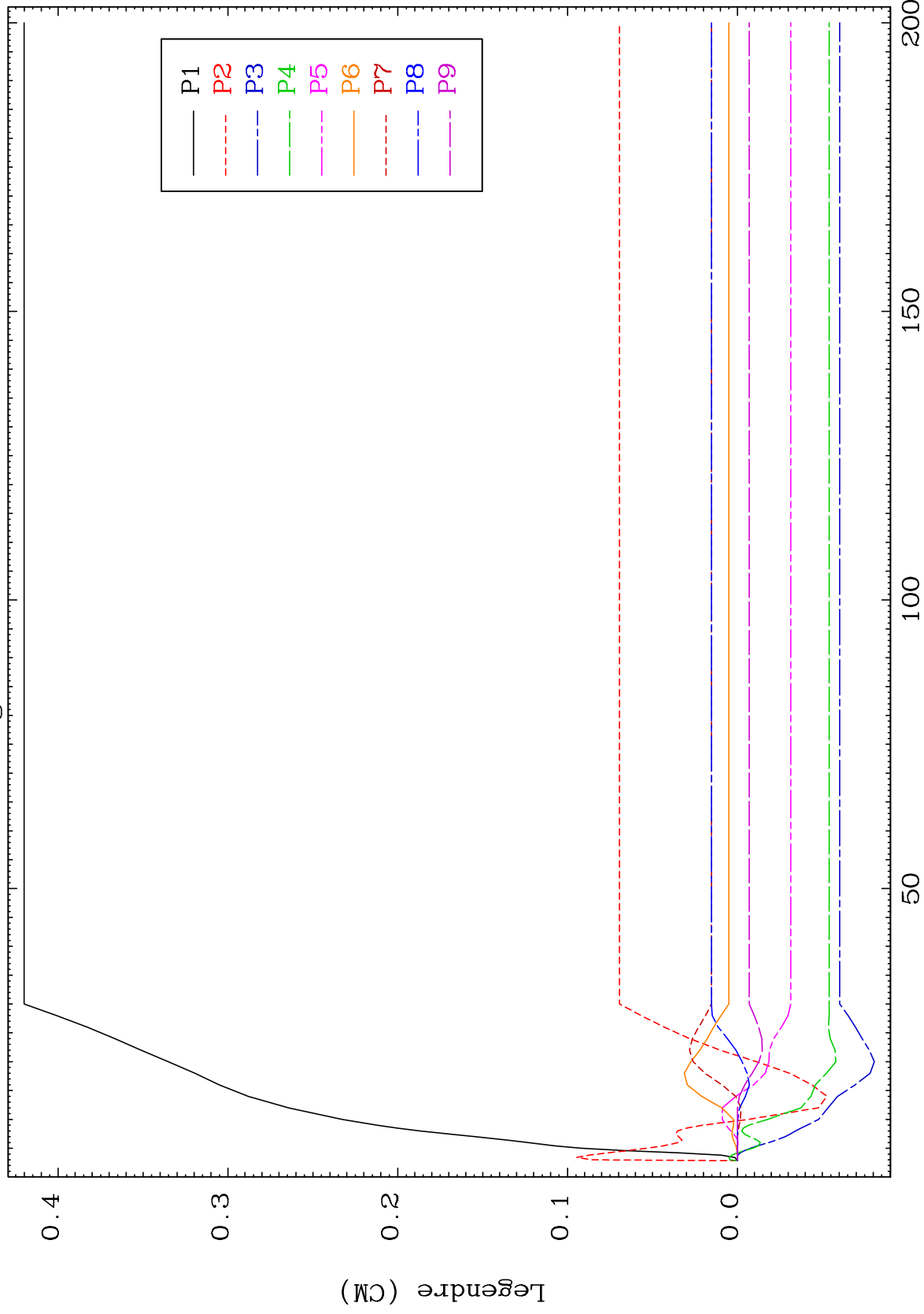
64-Gd-145



MAT 6404

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

64-Gd-145



109

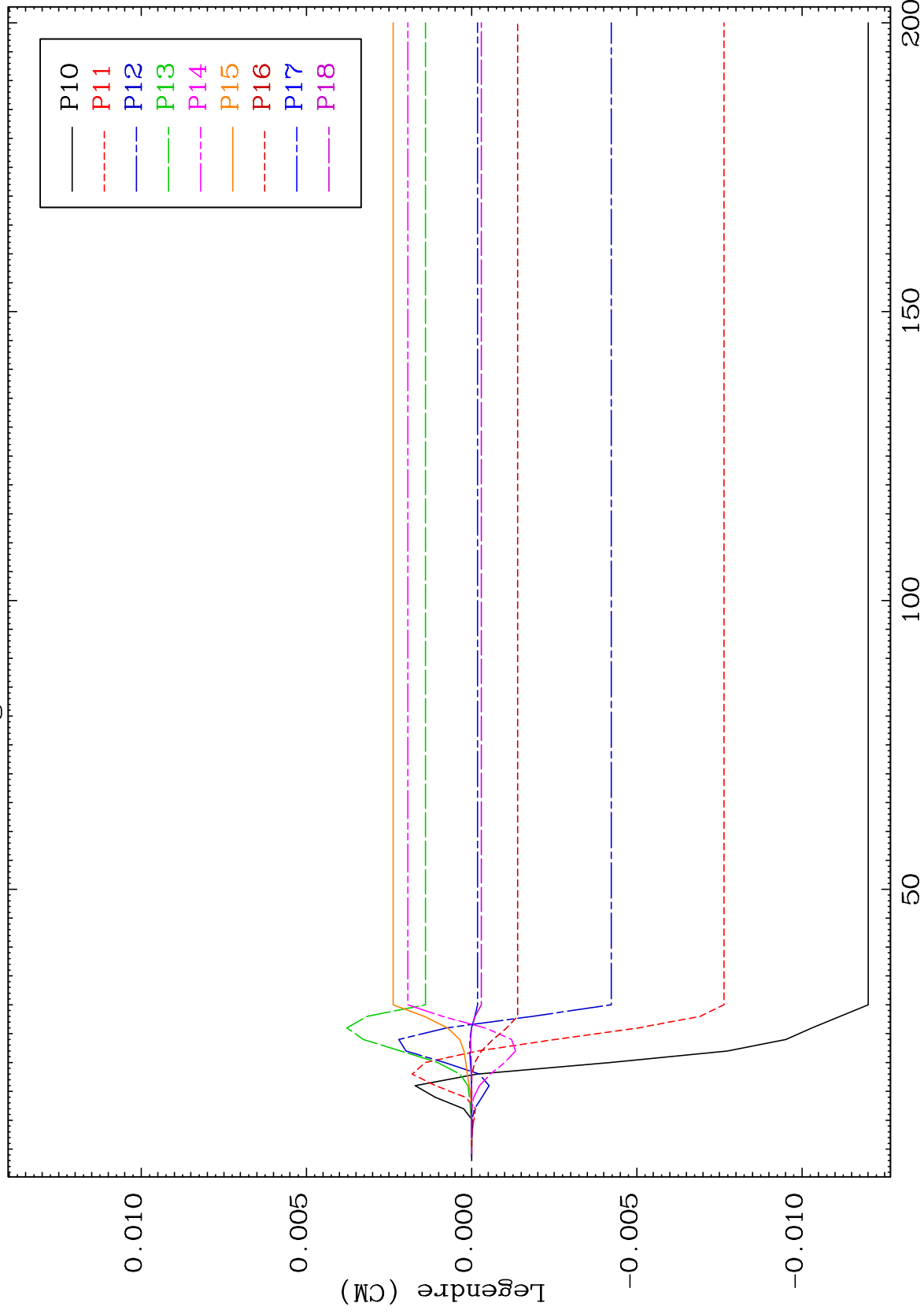
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



110

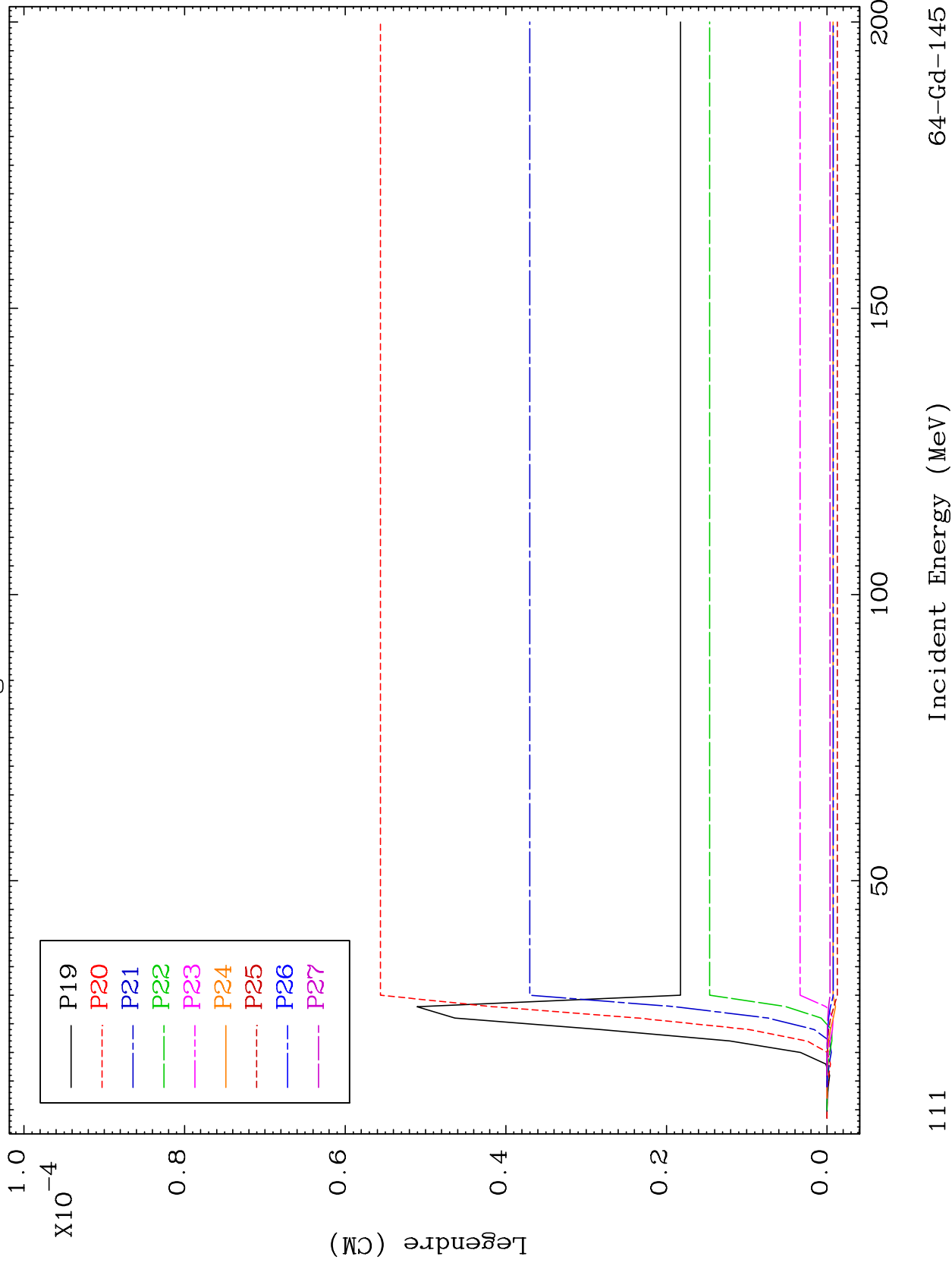
Incident Energy (MeV)

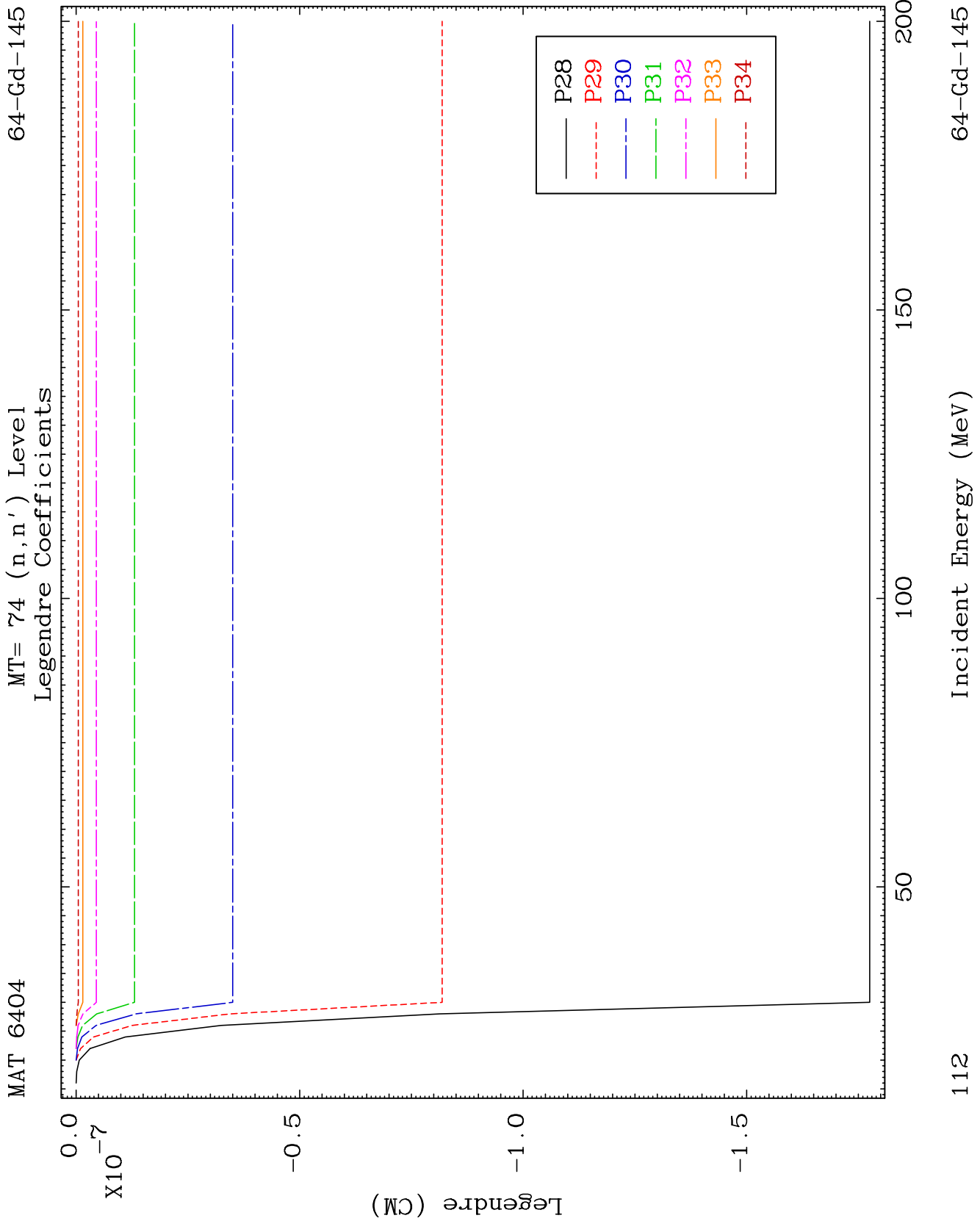
64-Gd-145

MAT 6404

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

64-Gd-145

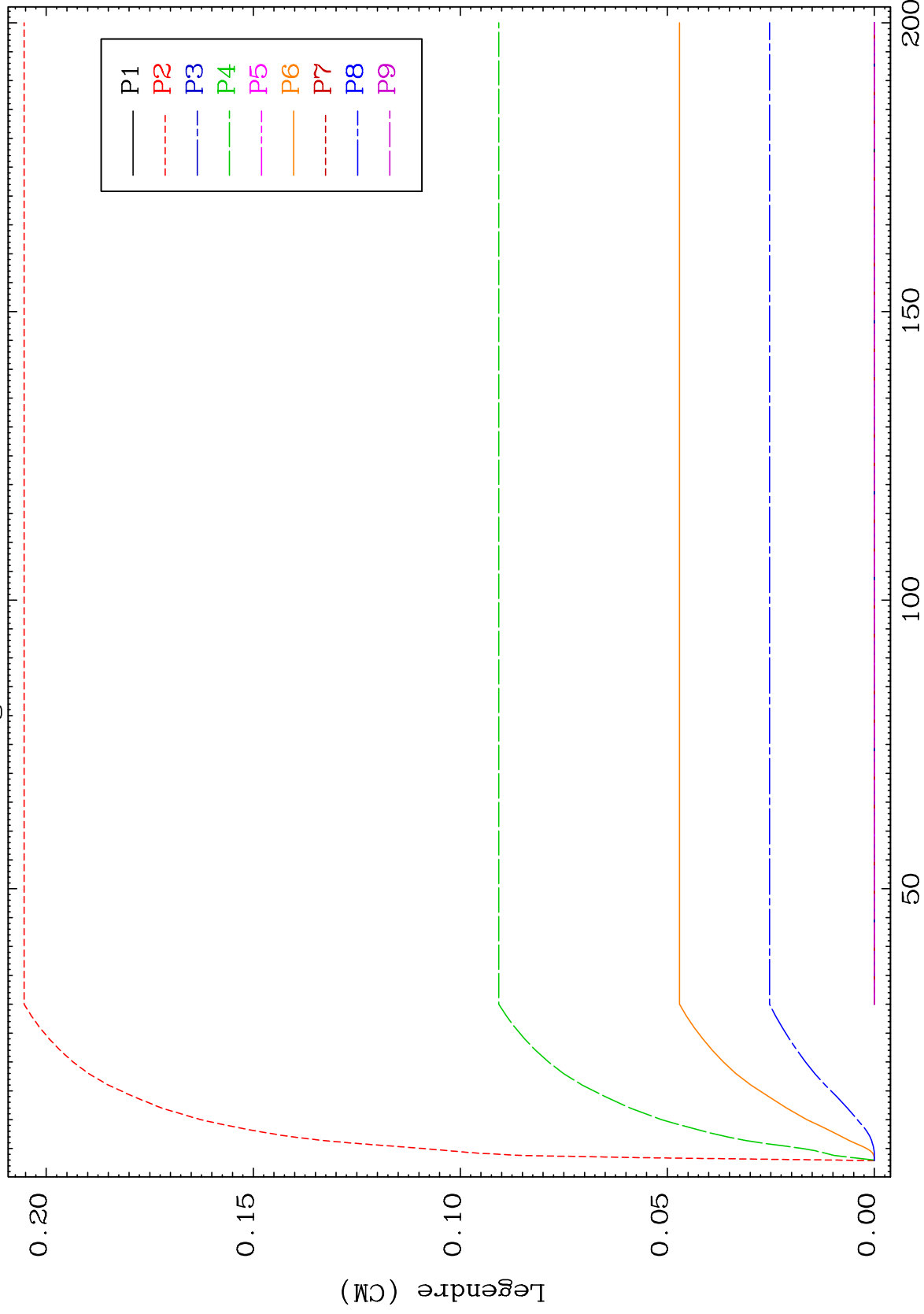




MAT 6404

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

64-Gd-145



113

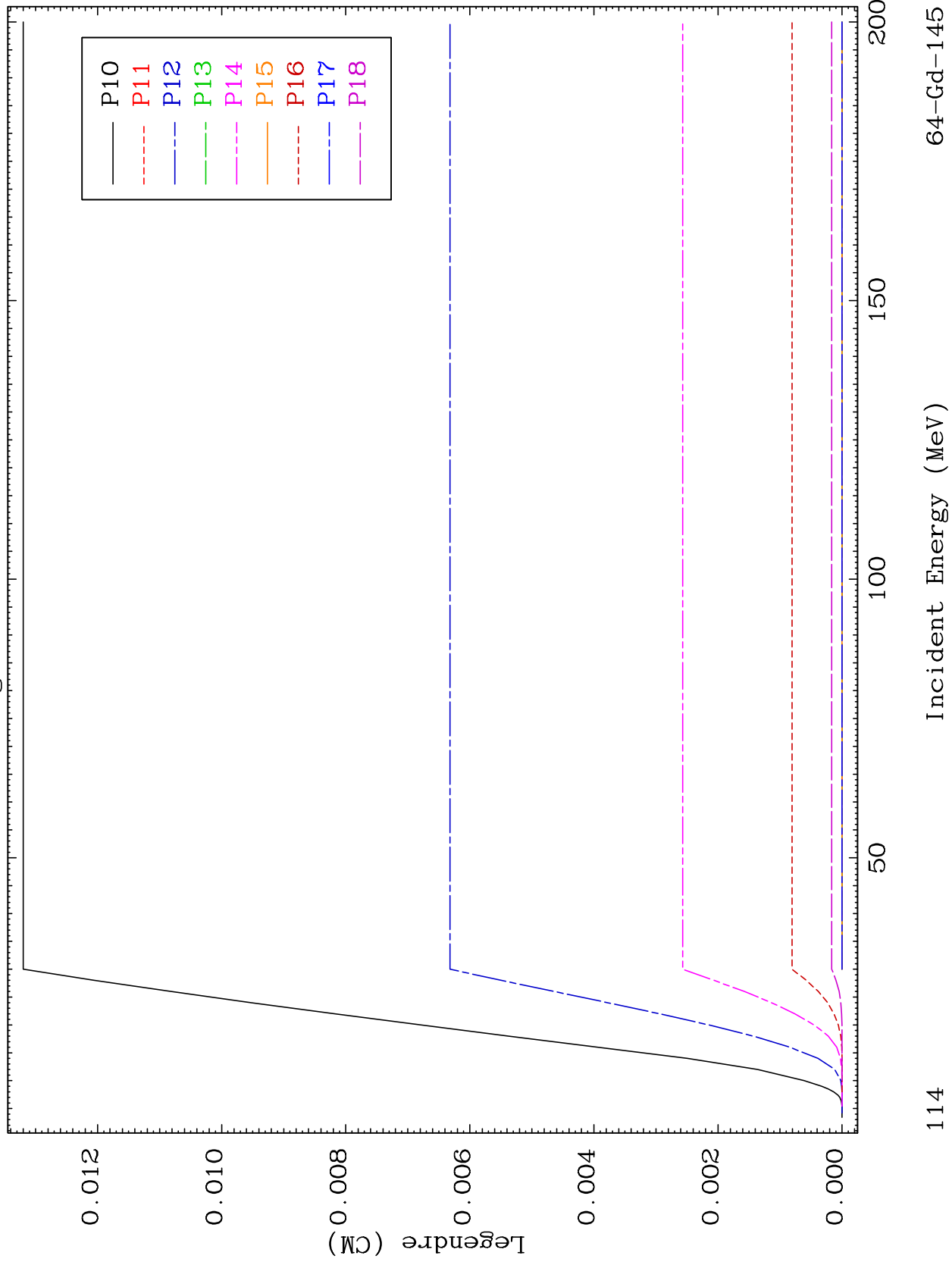
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



114

Incident Energy (MeV)

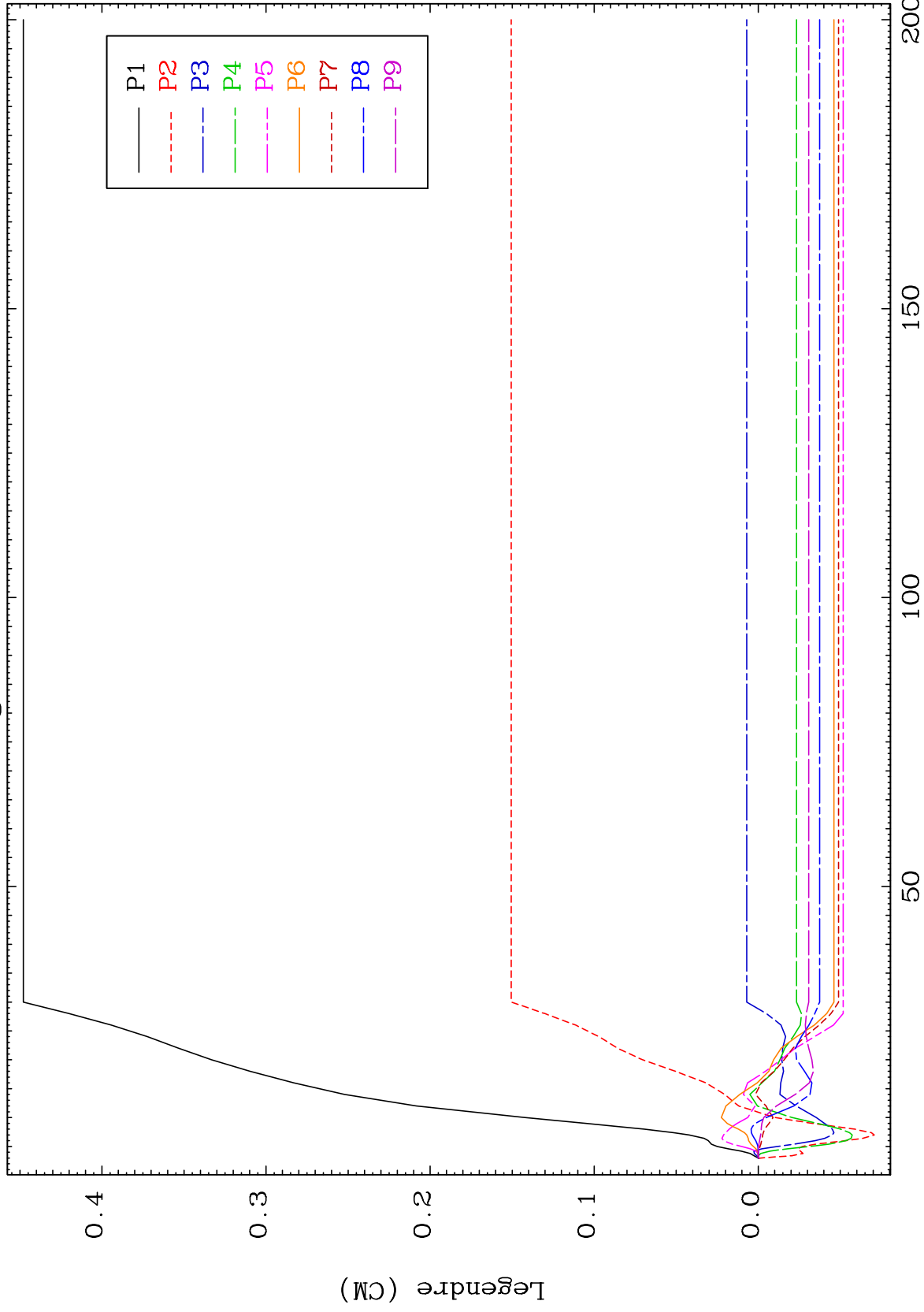
64-Gd-145



MAT 6404

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

64-Gd-145



116

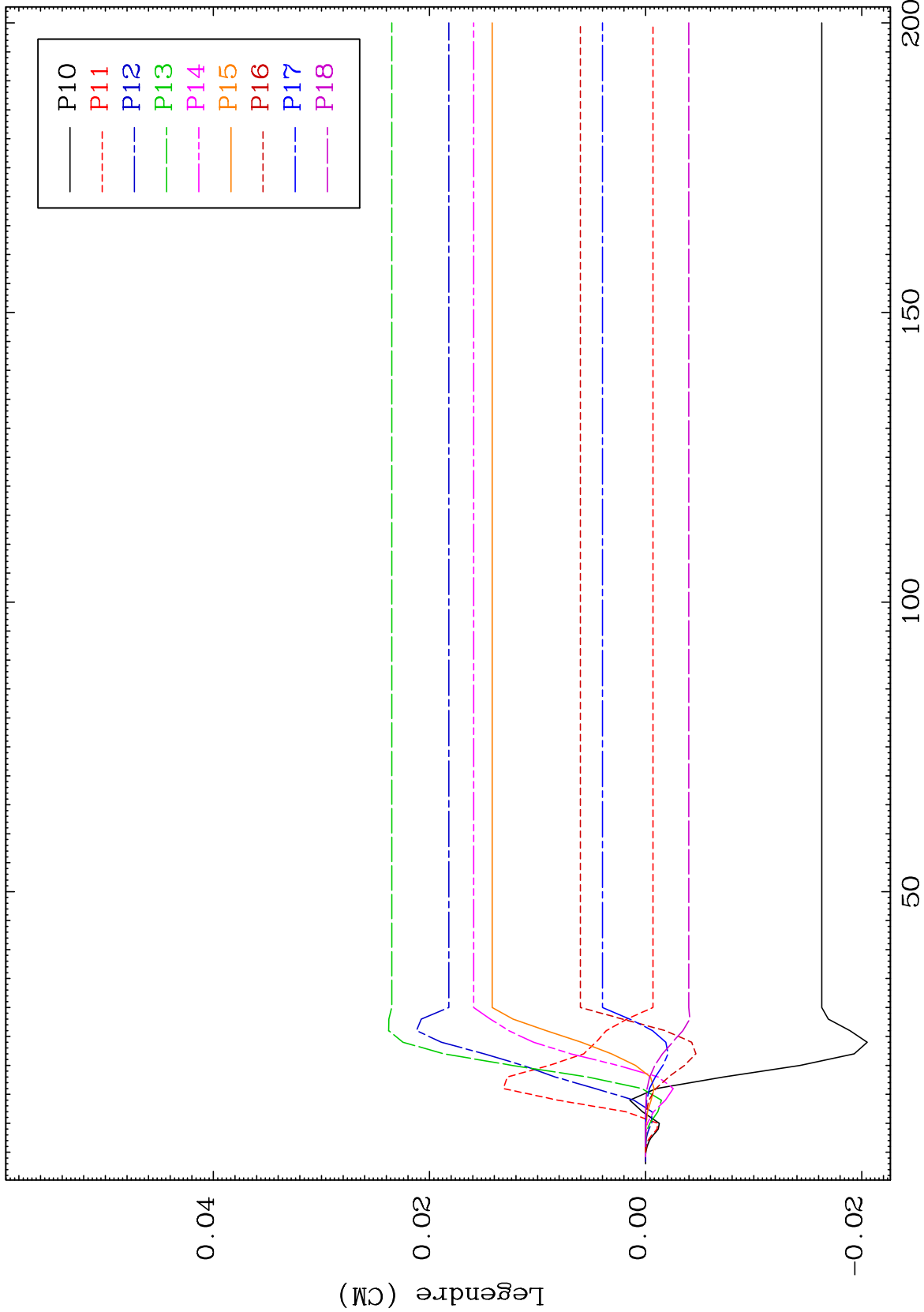
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



117

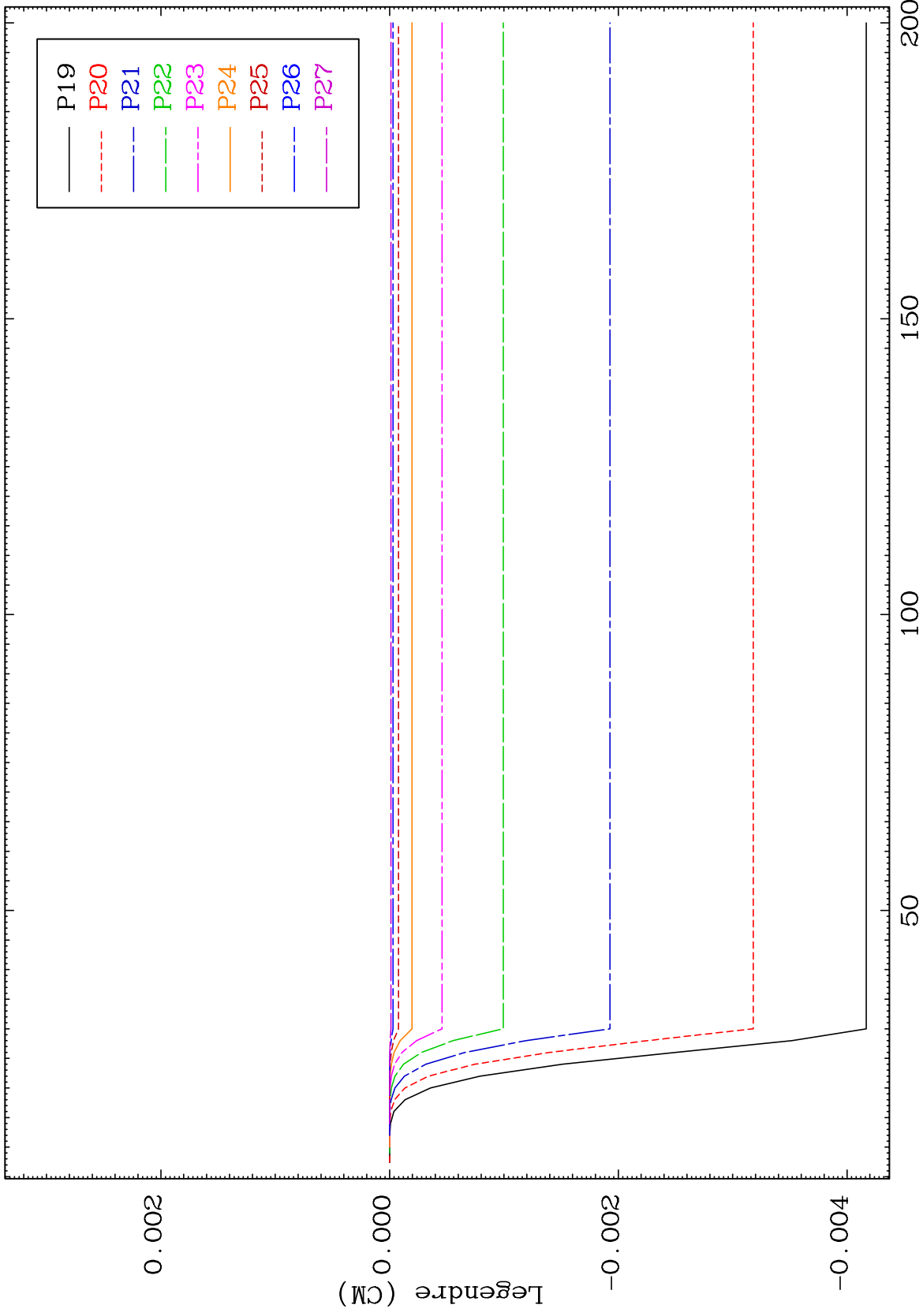
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

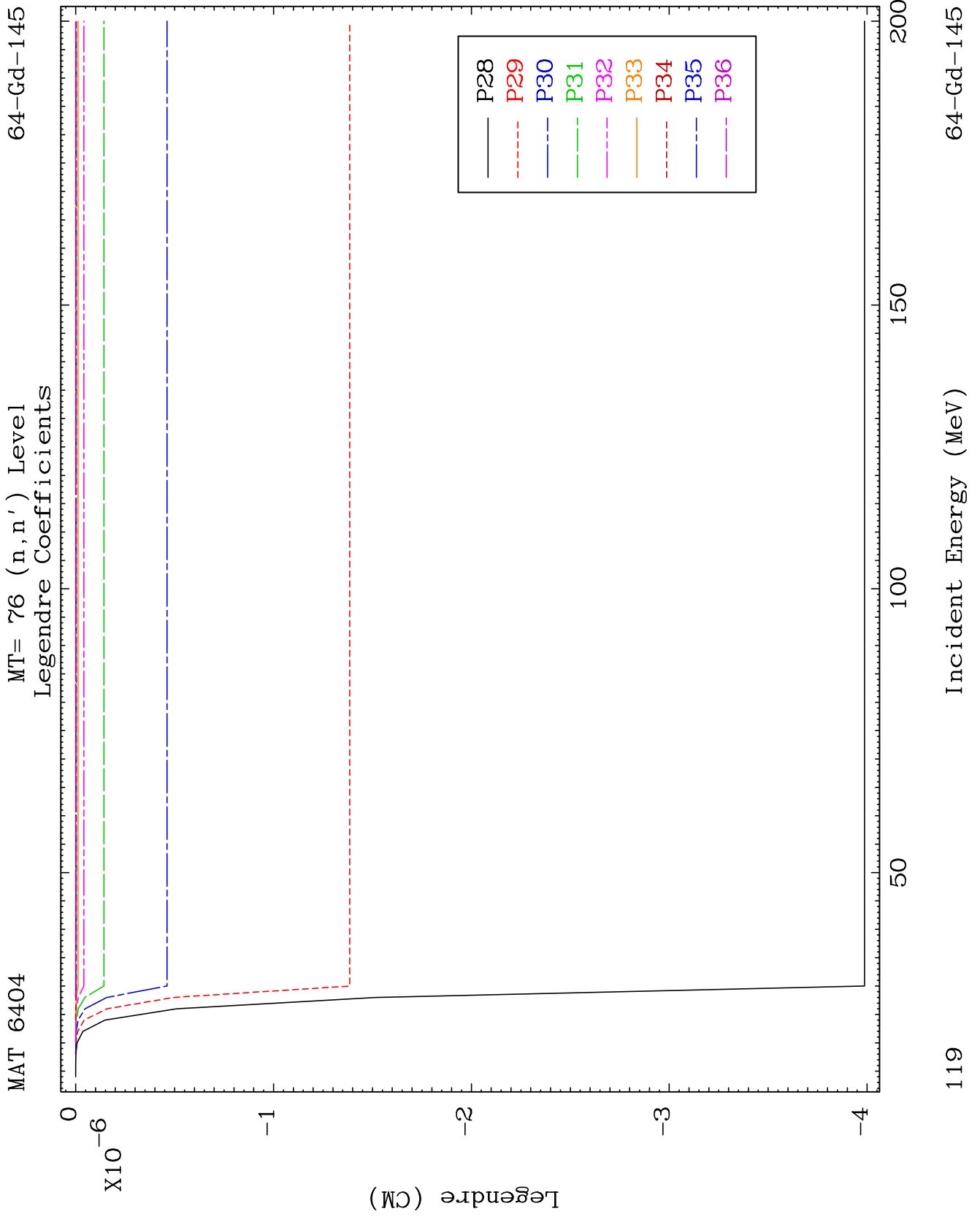
64-Gd-145



118

Incident Energy (MeV)

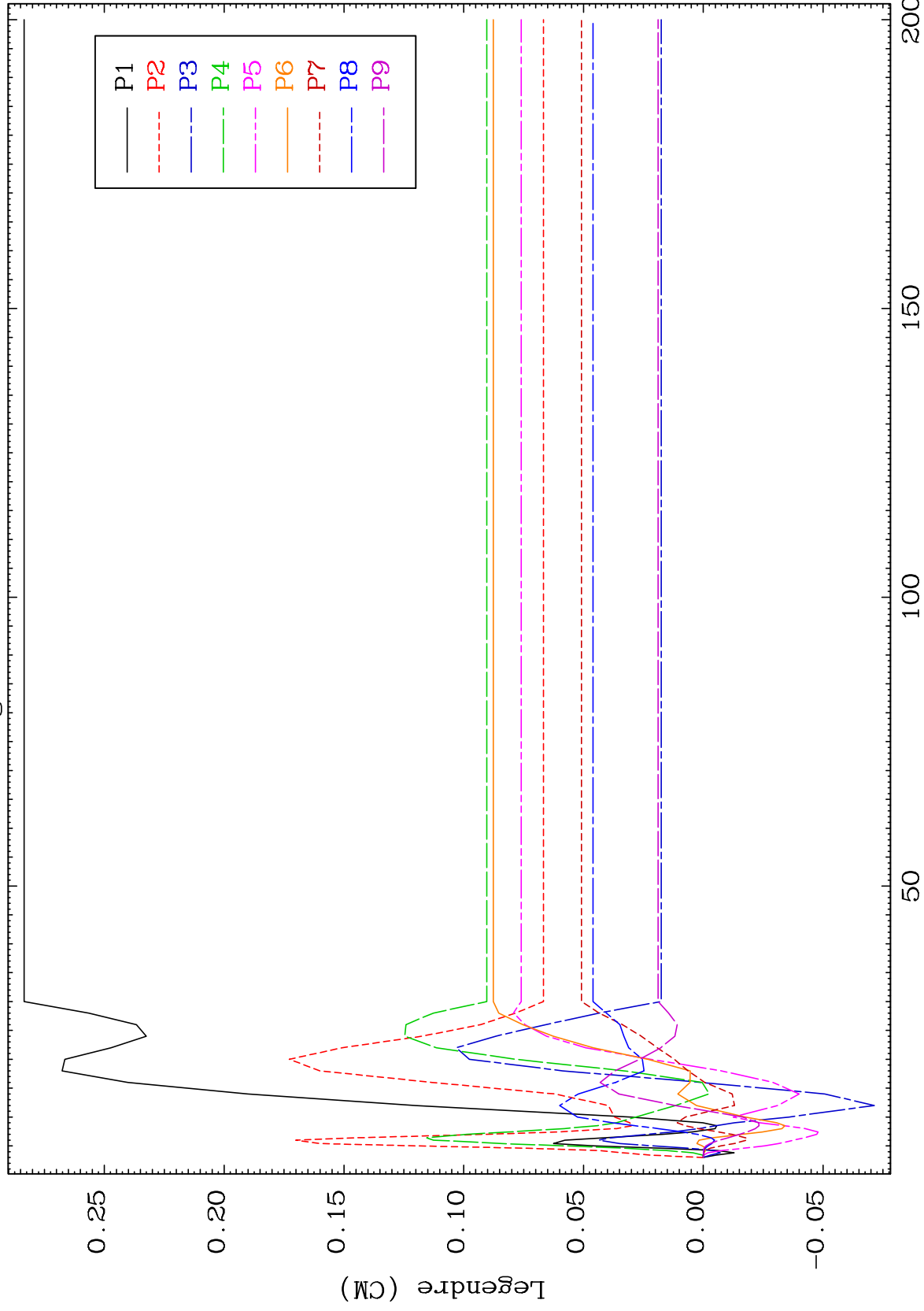
64-Gd-145



MAT 6404

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

64-Gd-145



120

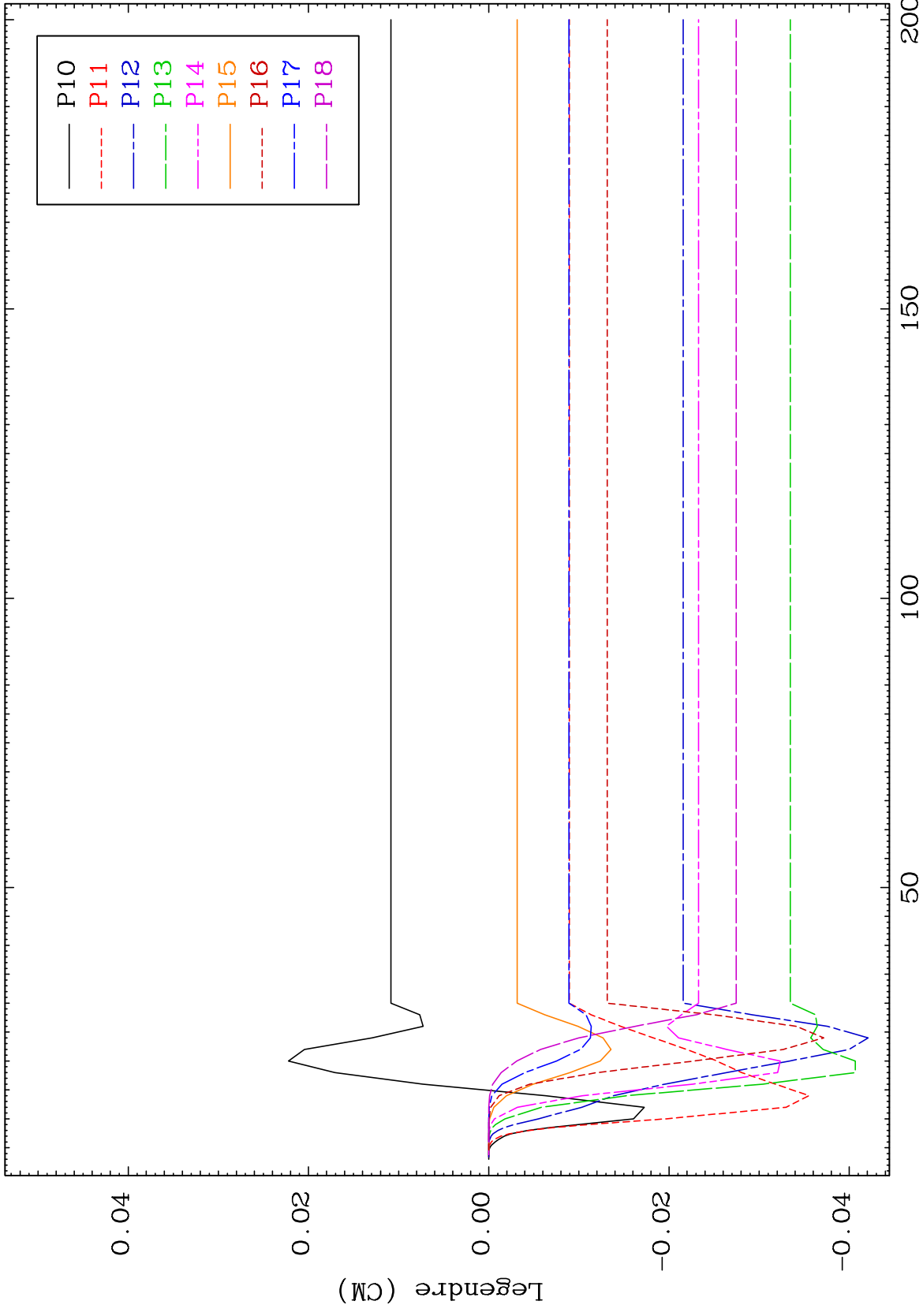
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

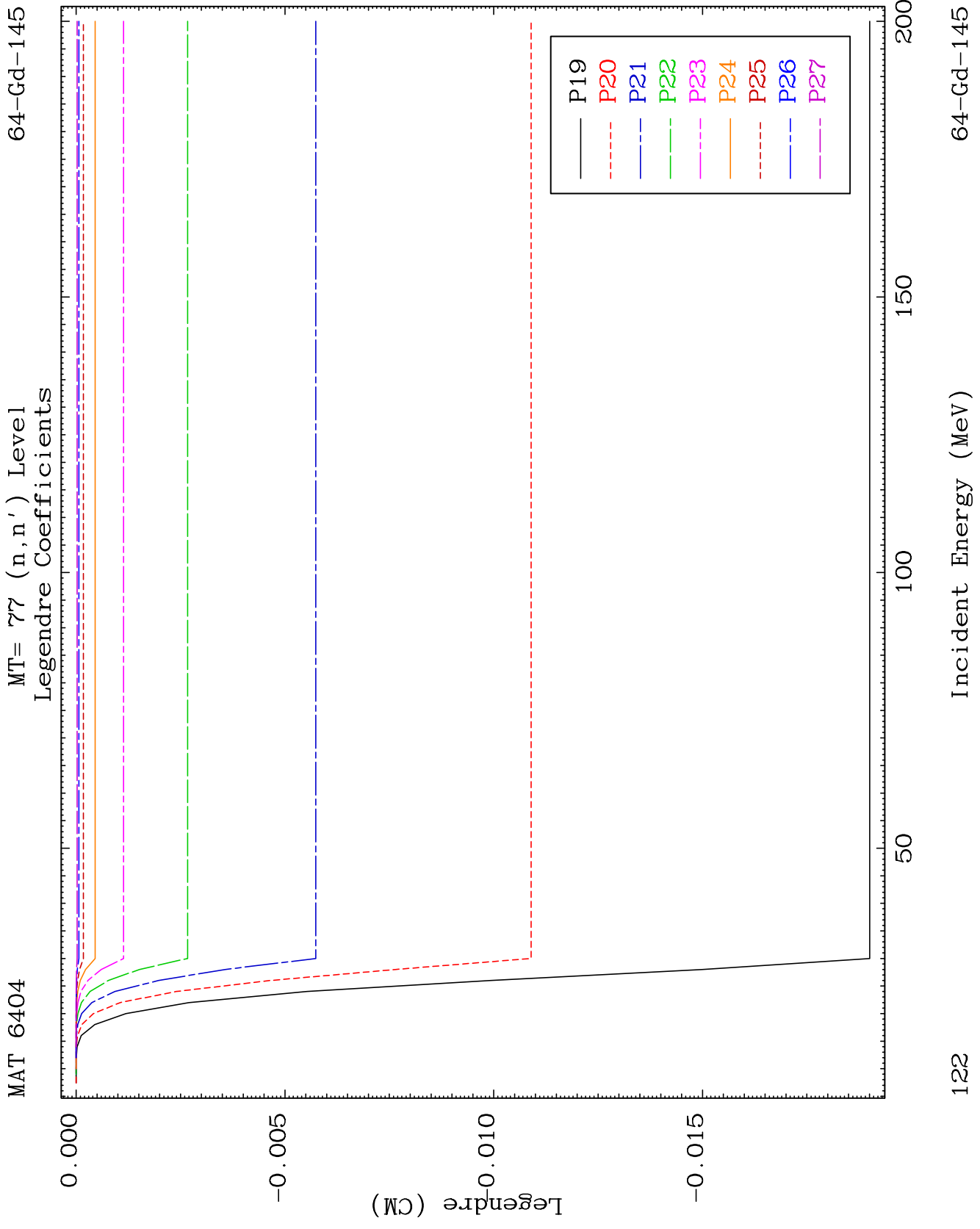
64-Gd-145

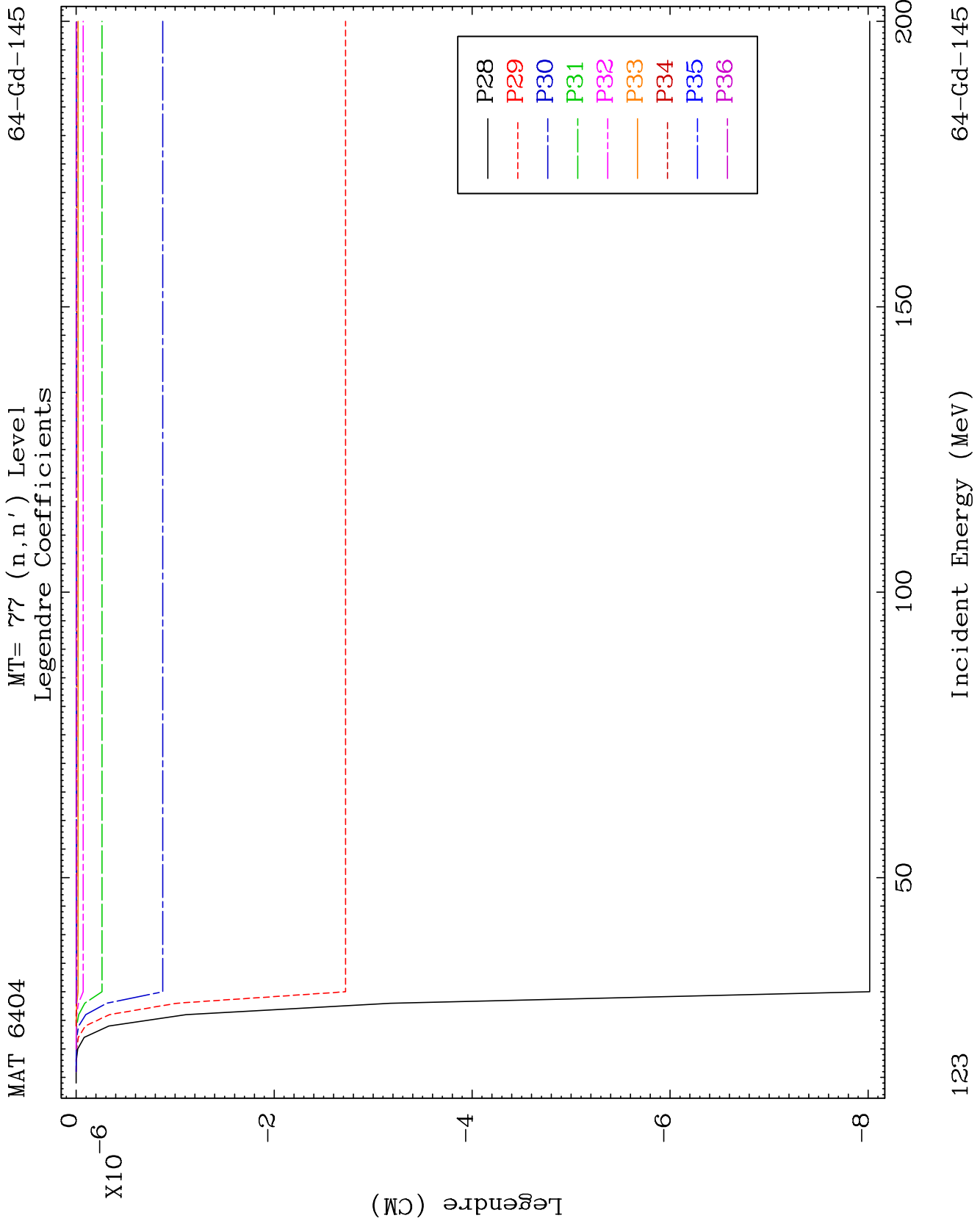


121

Incident Energy (MeV)

64-Gd-145

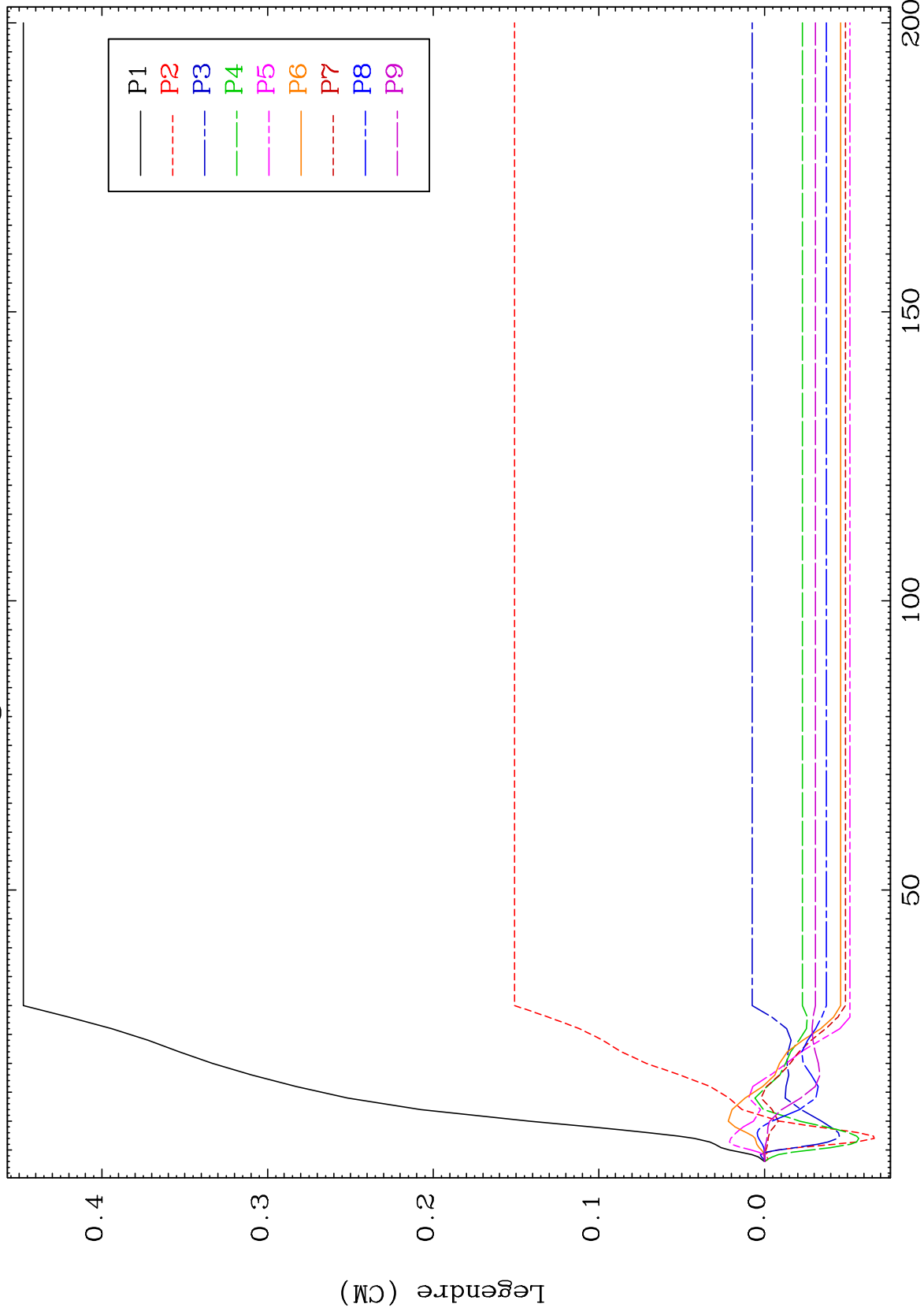




MAT 6404

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

64-Gd-145



124

Incident Energy (MeV)

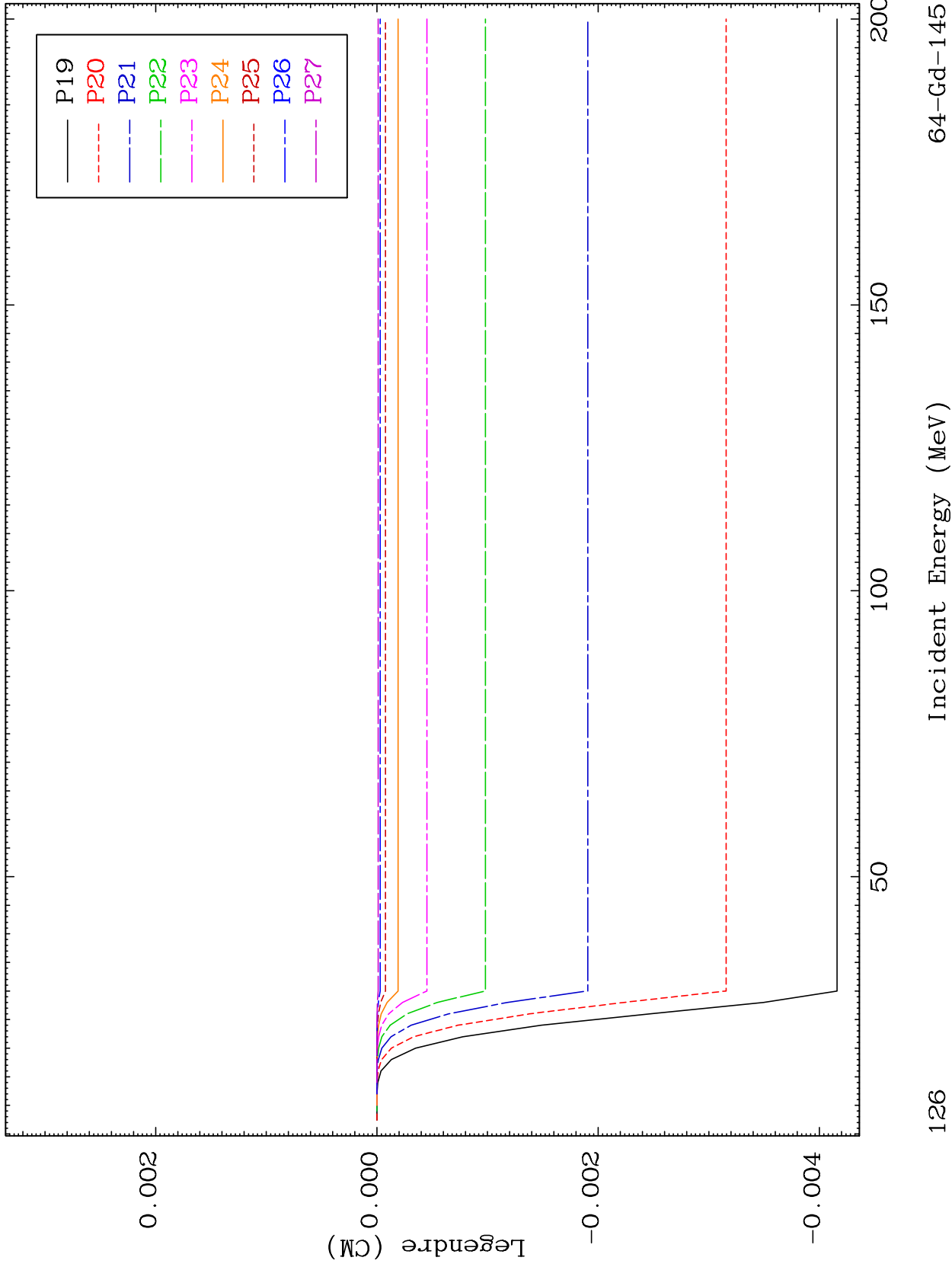
64-Gd-145



MAT 6404

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

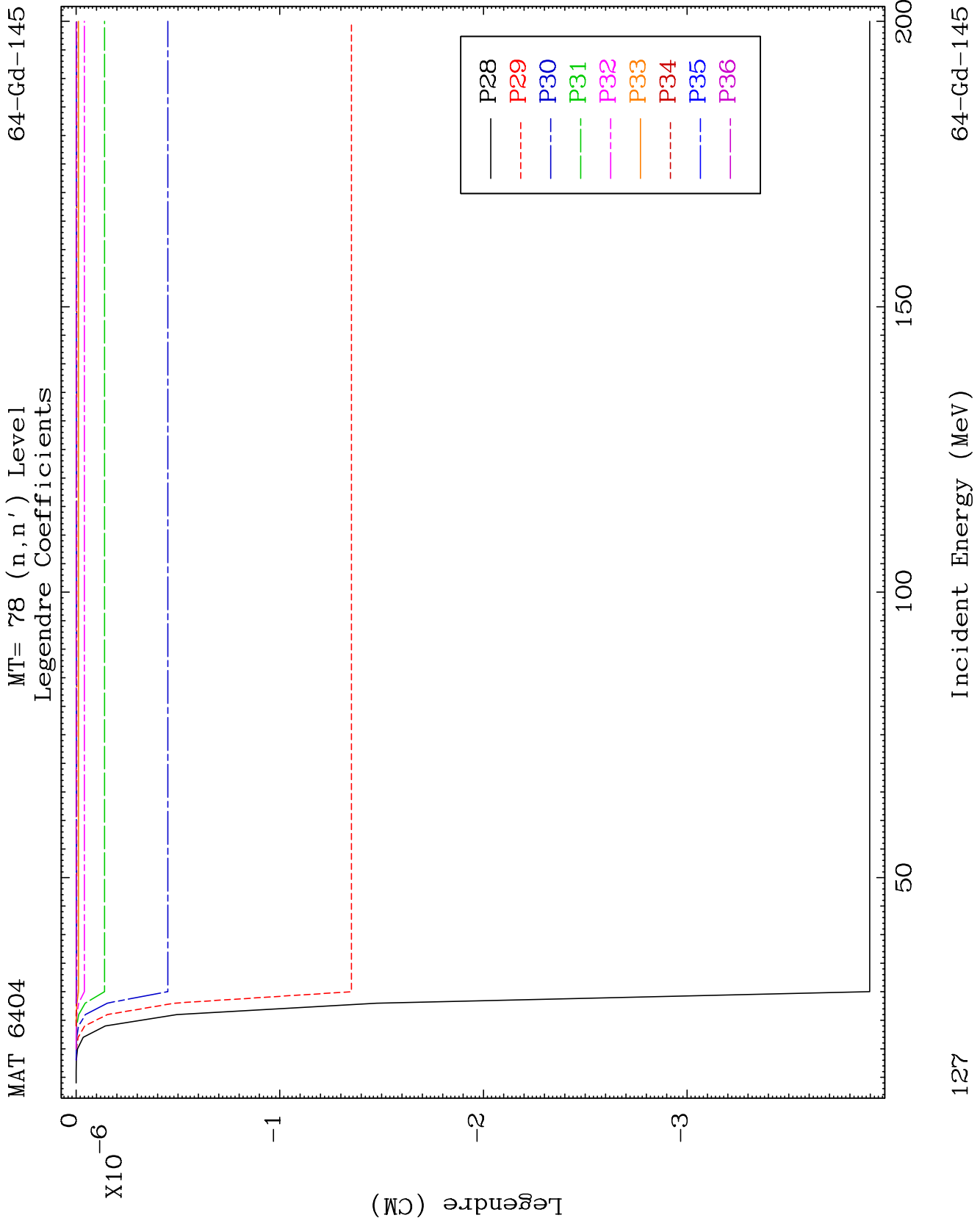
64-Gd-145



126

Incident Energy (MeV)

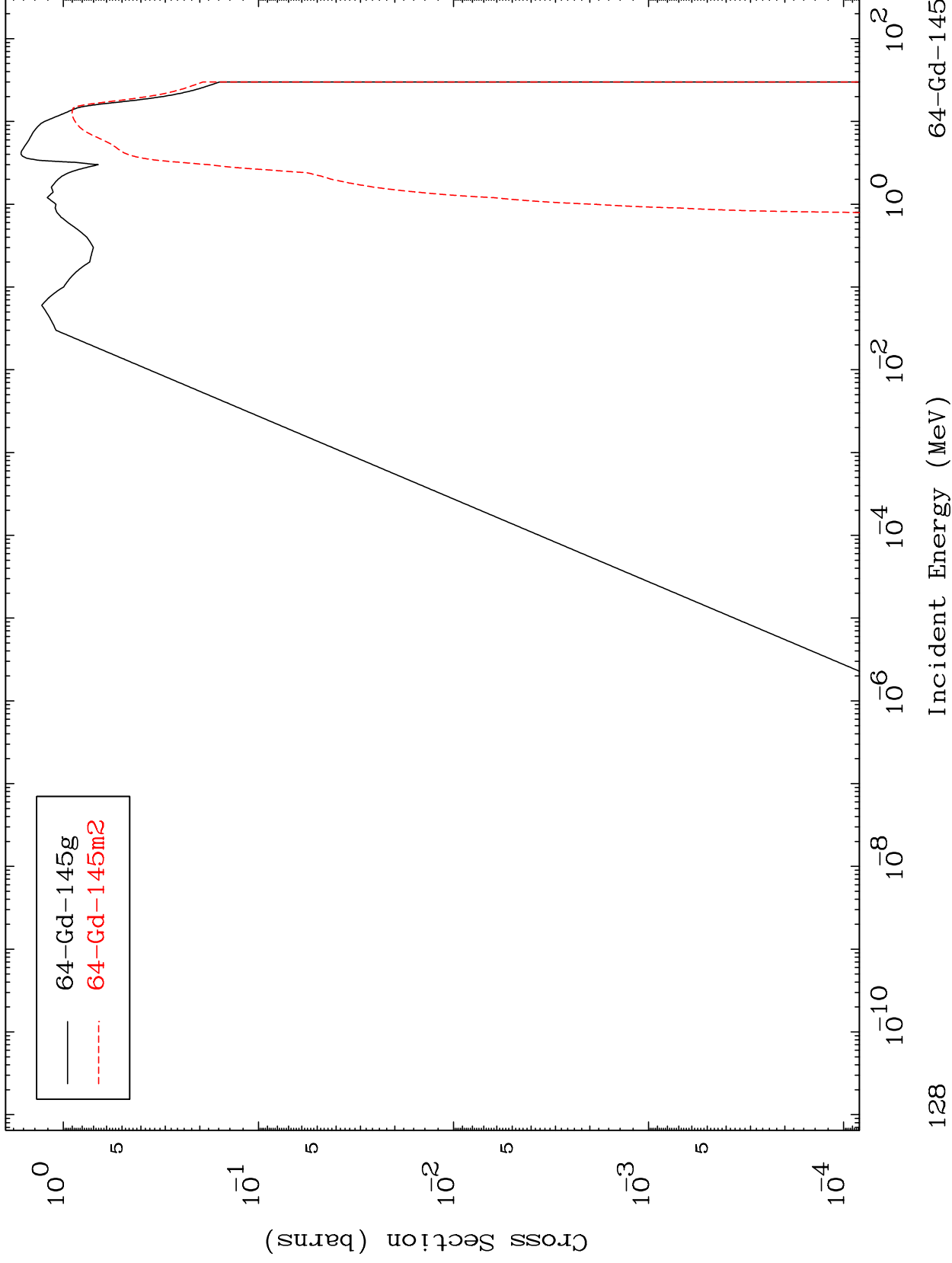
64-Gd-145



MAT 6404

Inelastic  
Radionuclide Production Cross Section

64-Gd-145

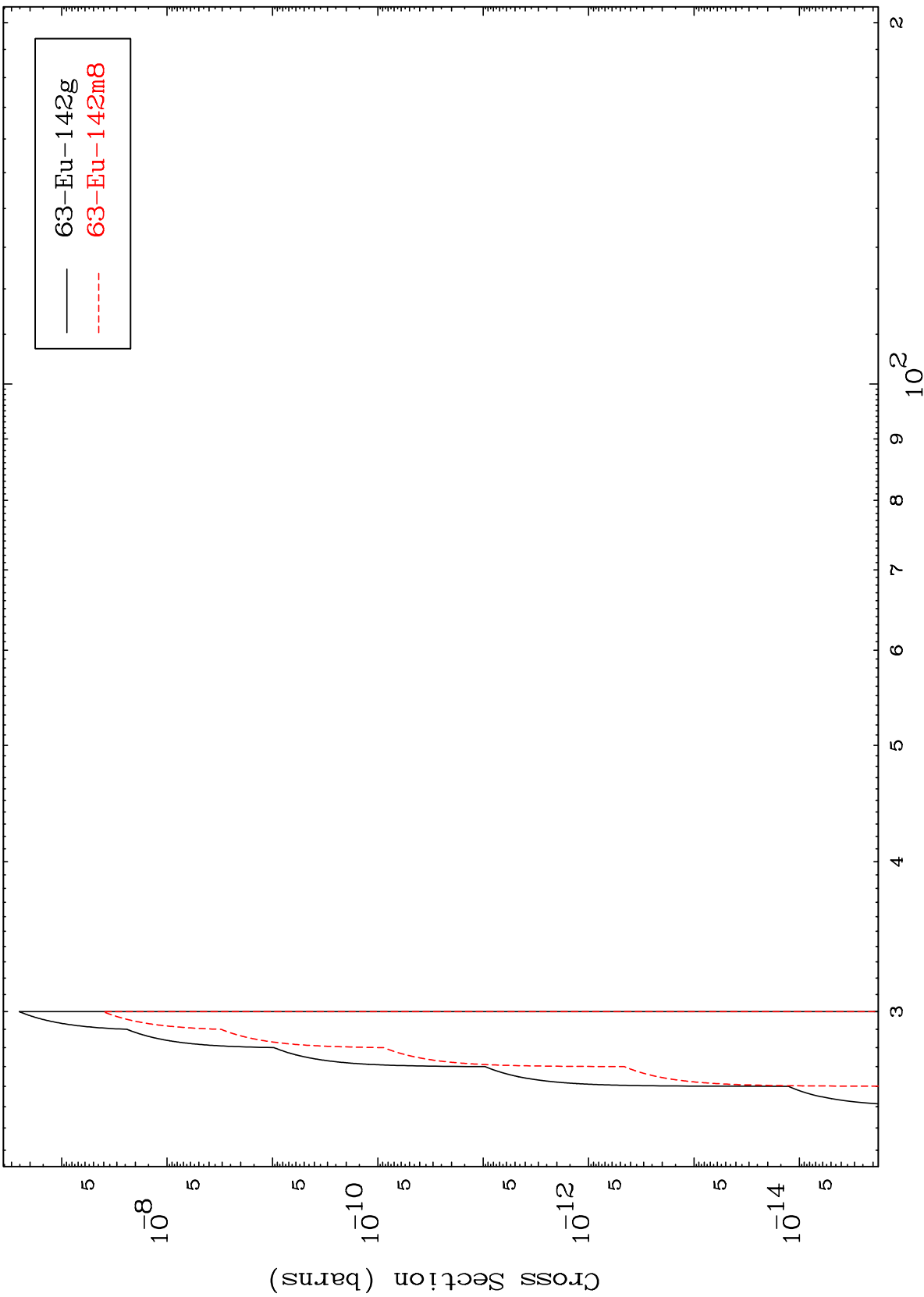


MAT 6404

(n,2n) d

64-Gd-145

Radionuclide Production Cross Section



129

Incident Energy (MeV)

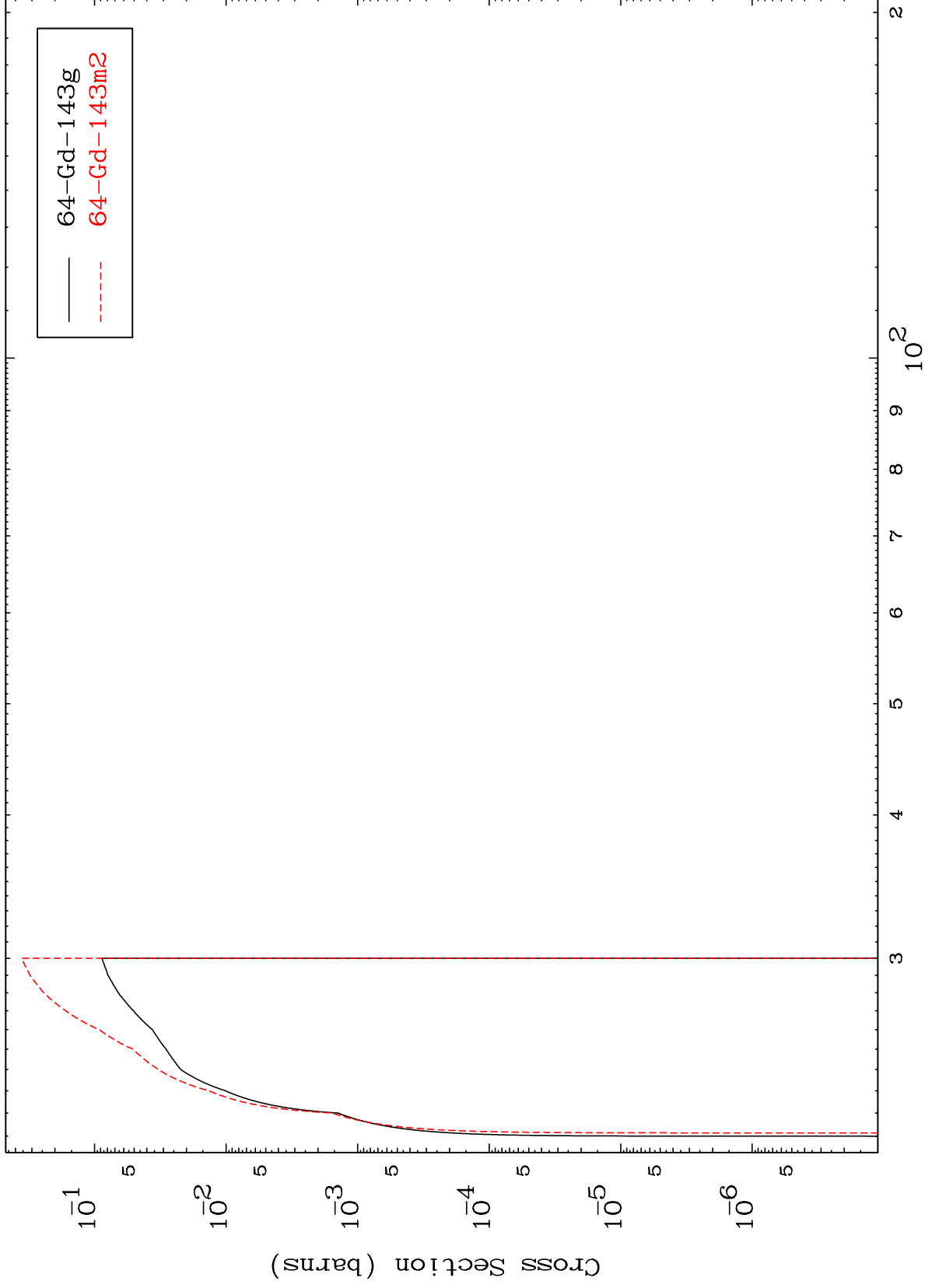
64-Gd-145

MAT 6404

(n,3n)

64-Gd-145

Radionuclide Production Cross Section



130

Incident Energy (MeV)

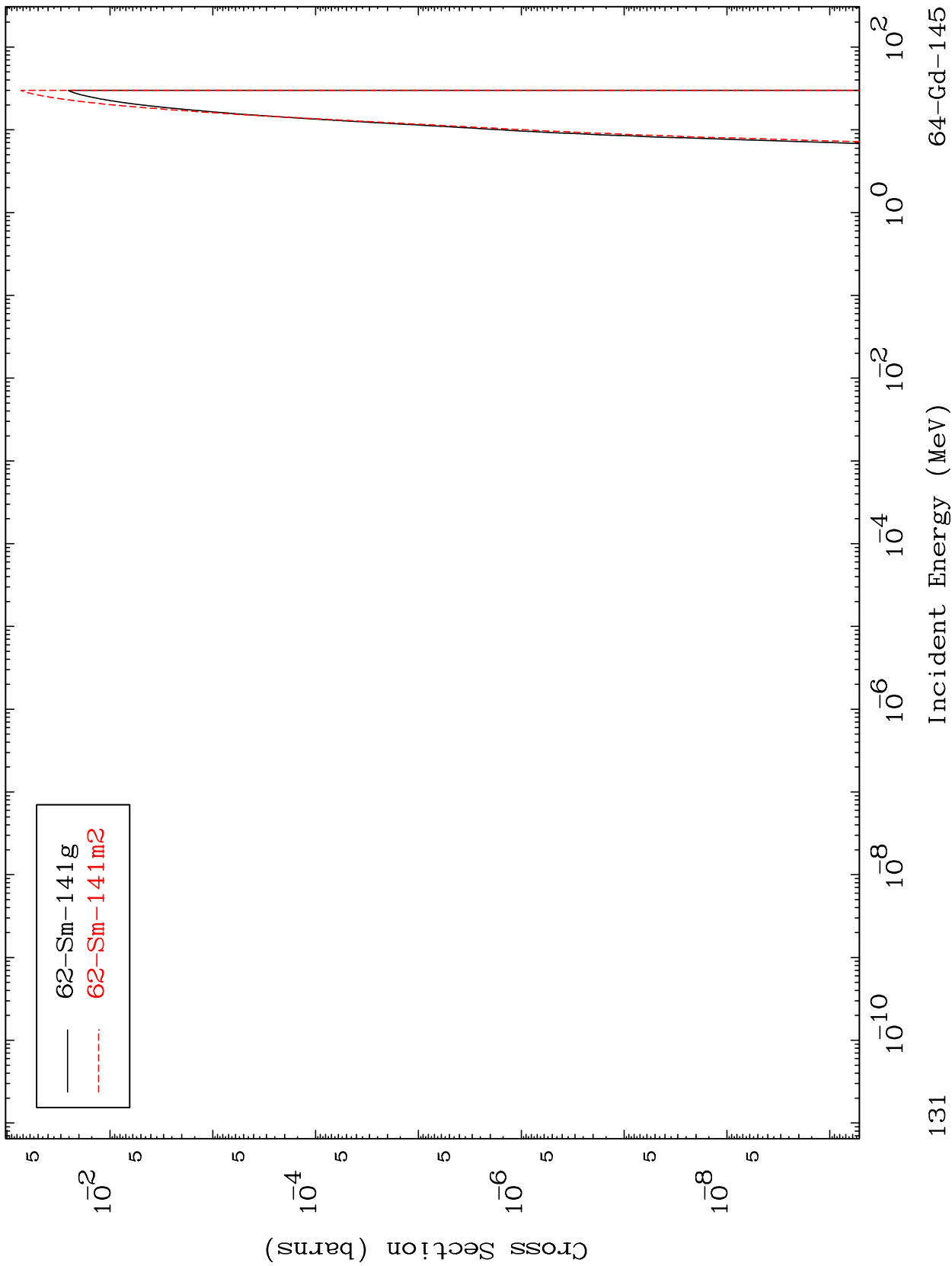
64-Gd-145

MAT 6404

$(n, n')$   $\alpha$

64-Gd-145

Radionuclide Production Cross Section



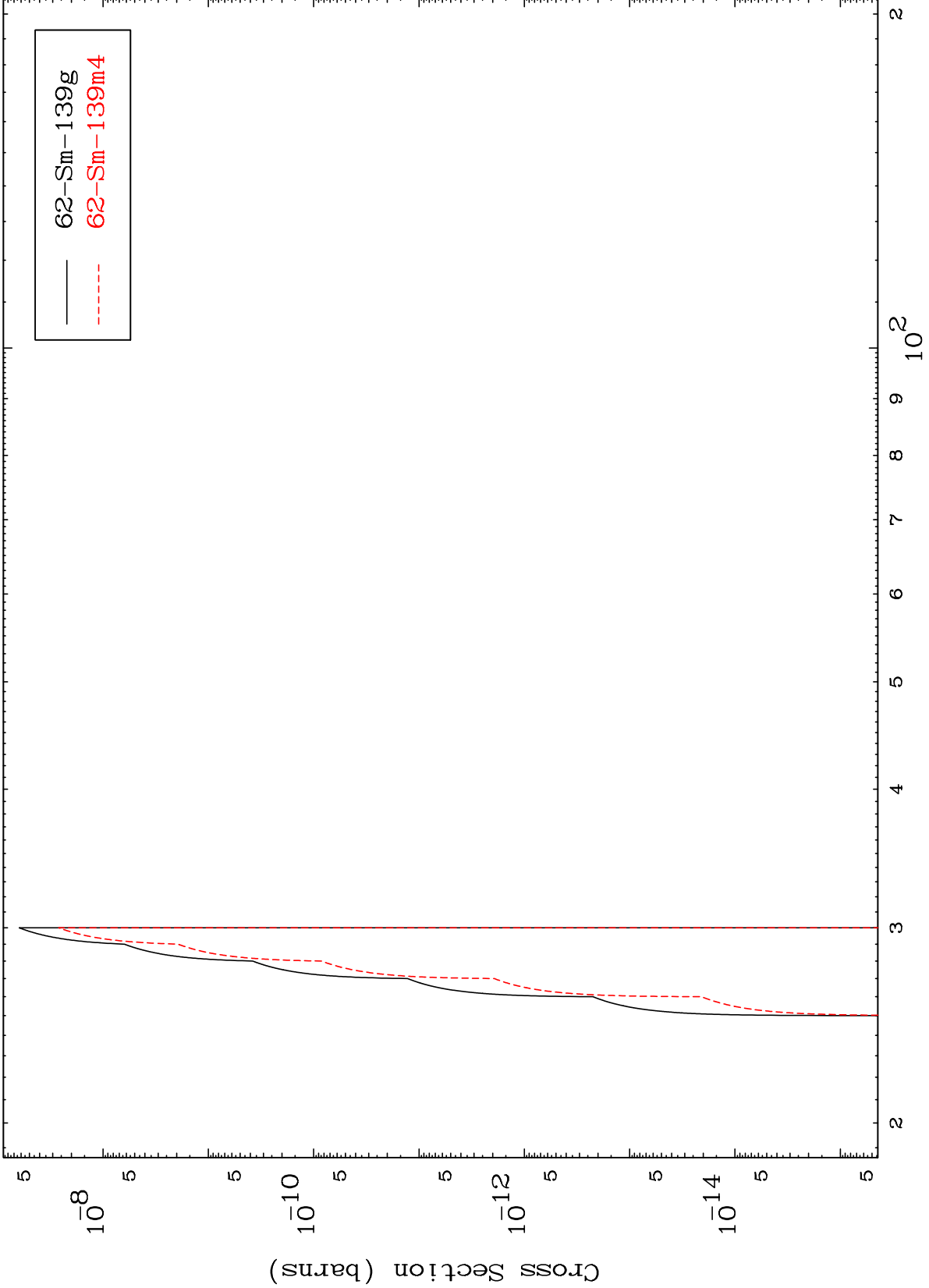
62-Sm-141g  
62-Sm-141m2

MAT 6404

(n,3n)  $\alpha$

64-Gd-145

Radionuclide Production Cross Section



132

Incident Energy (MeV)

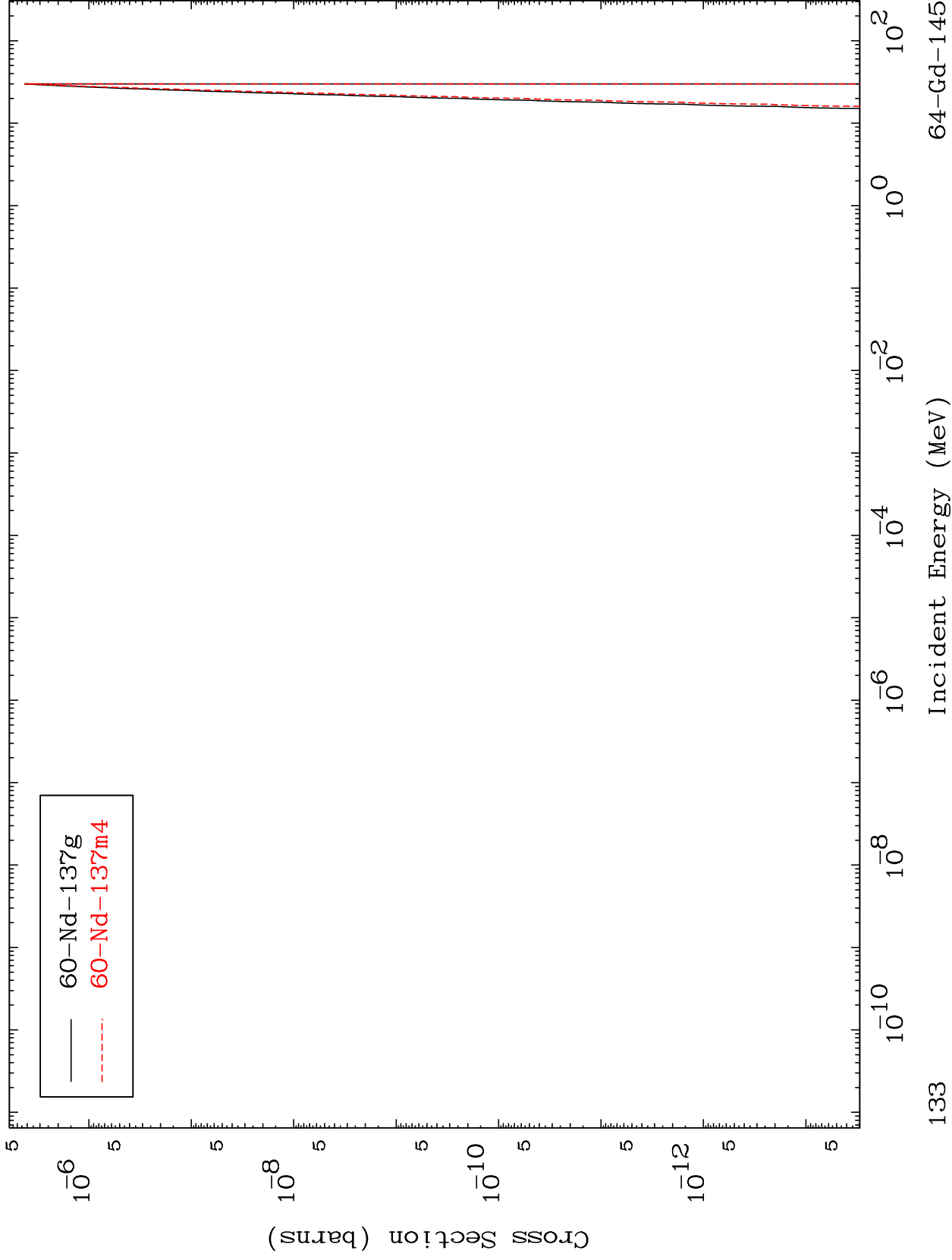
64-Gd-145

MAT 6404

(n,n') 2 $\alpha$

64-Gd-145

Radionuclide Production Cross Section



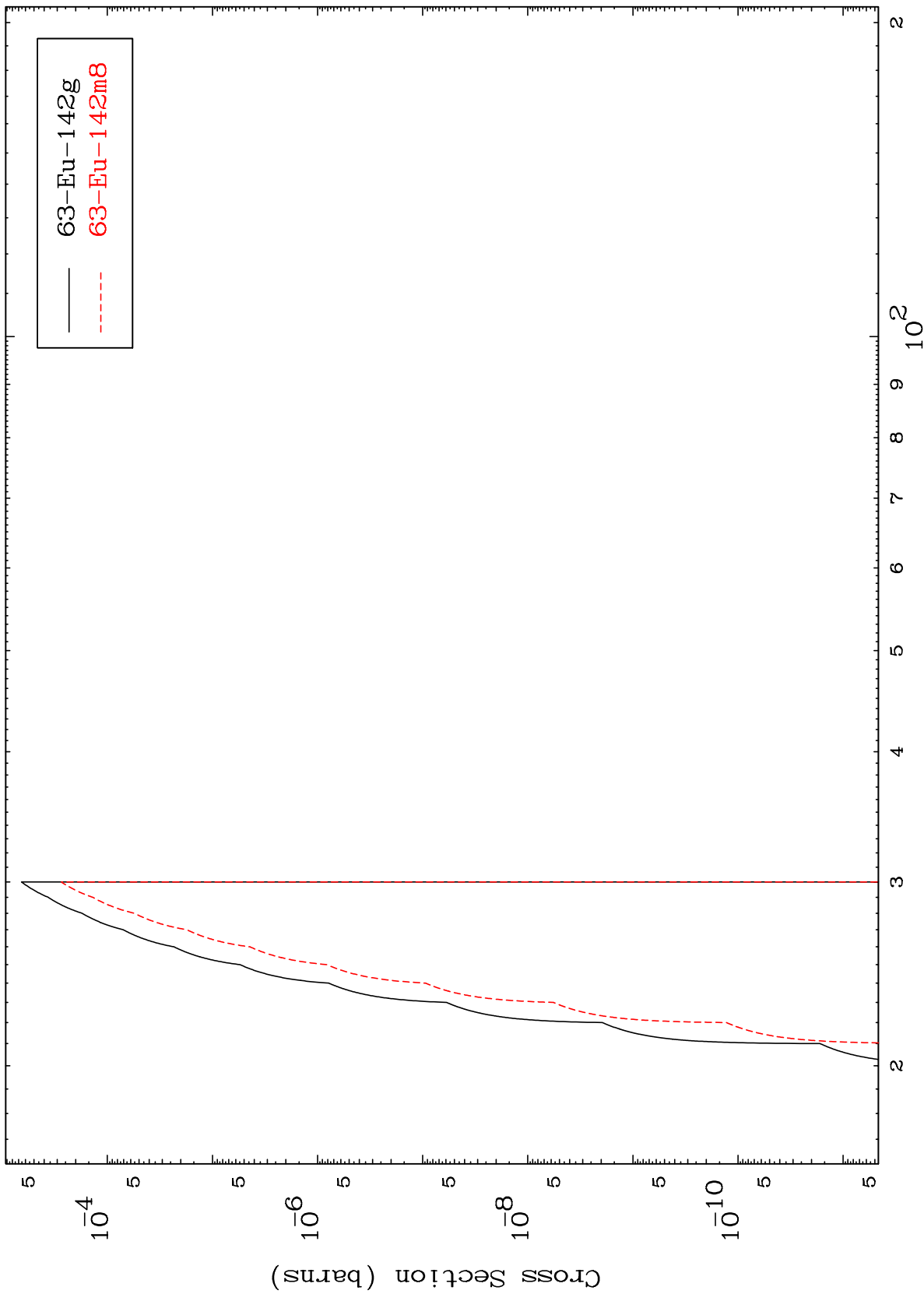
60-Nd-137g  
60-Nd-137m4

MAT 6404

(n,n') t

64-Gd-145

Radionuclide Production Cross Section



134

Incident Energy (MeV)

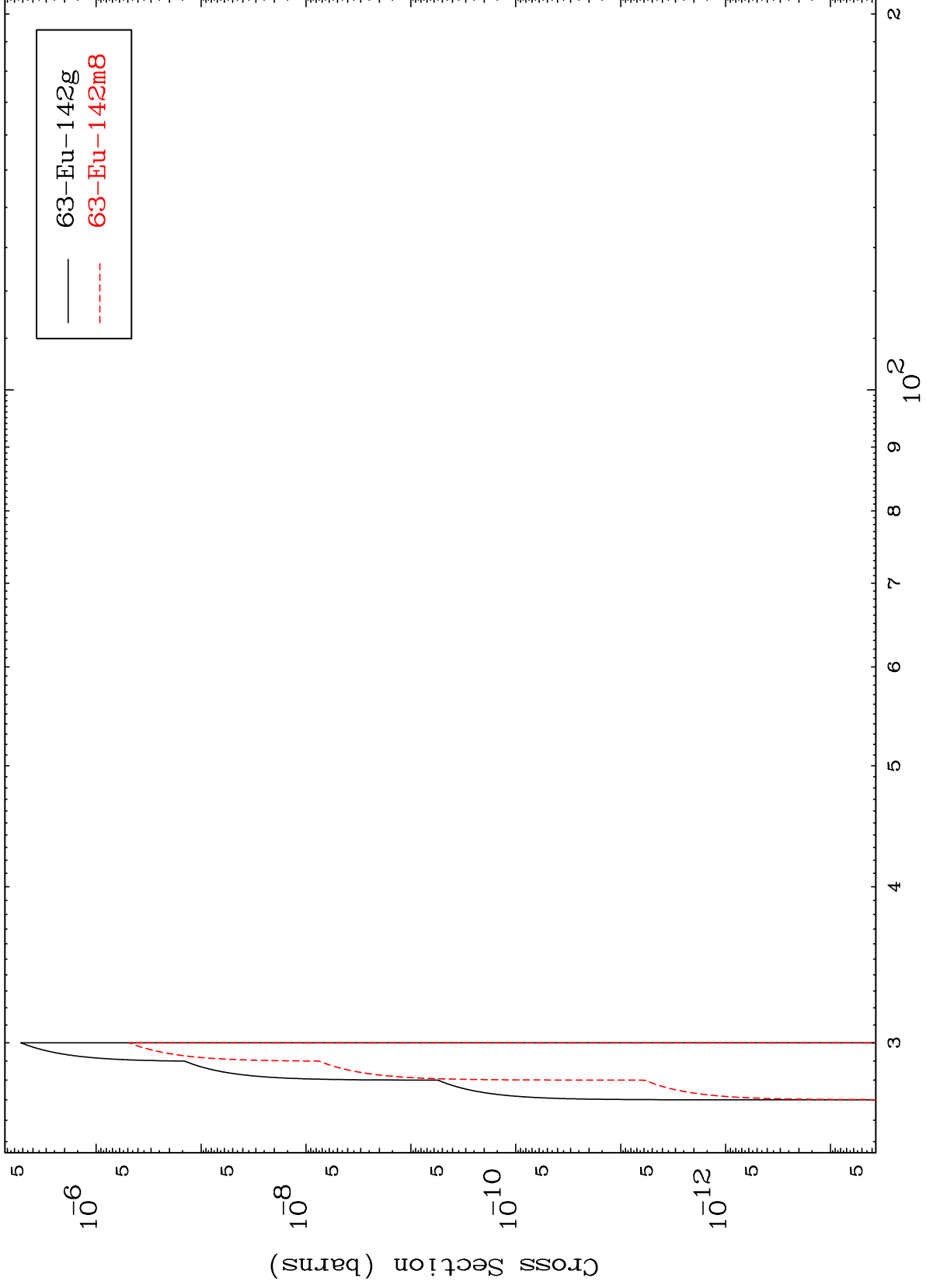
64-Gd-145

MAT 6404

(n,3n) p

64-Gd-145

Radionuclide Production Cross Section



135

Incident Energy (MeV)

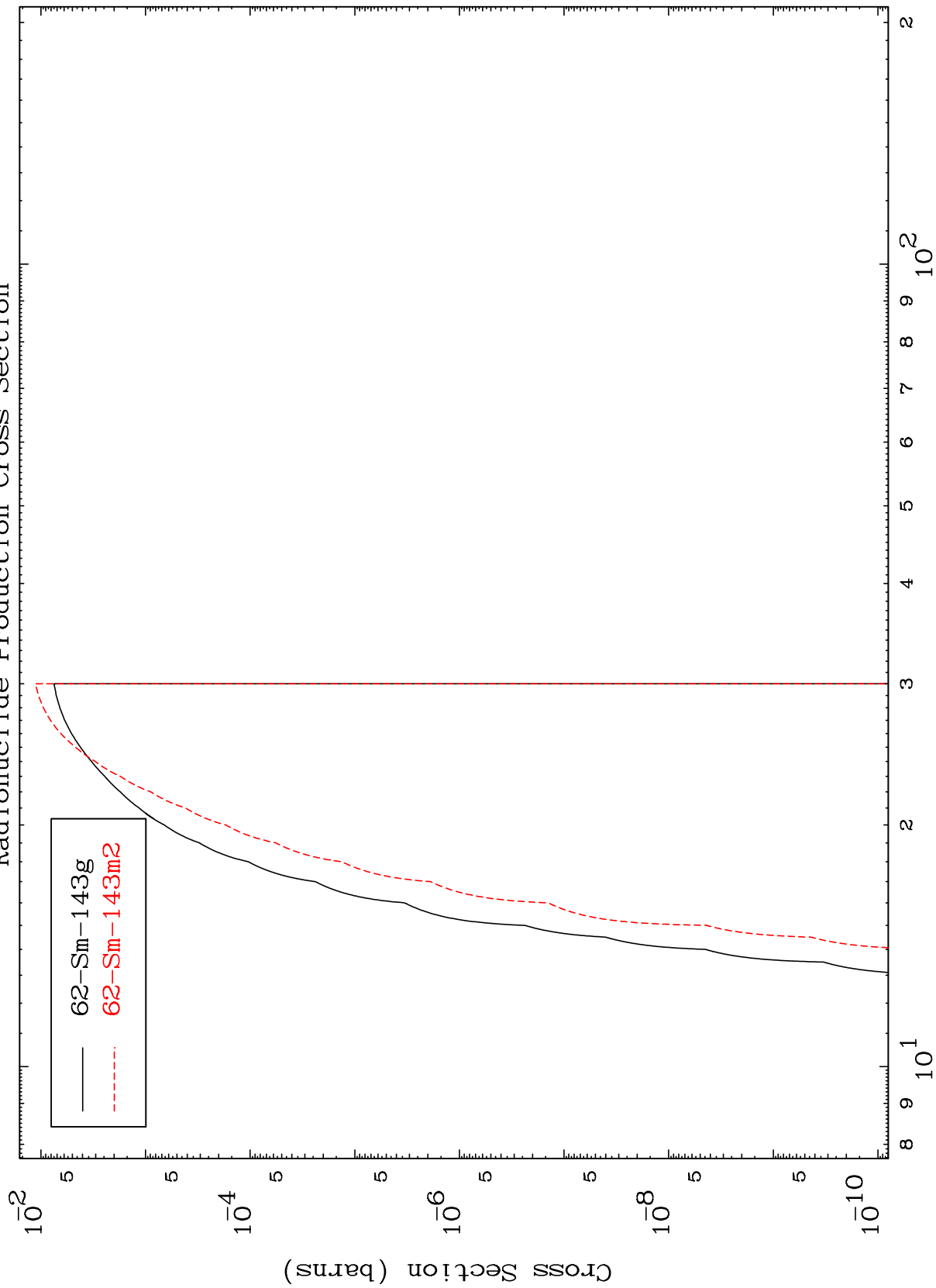
64-Gd-145

MAT 6404

(n,2n) p

64-Gd-145

Radionuclide Production Cross Section



136

Incident Energy (MeV)

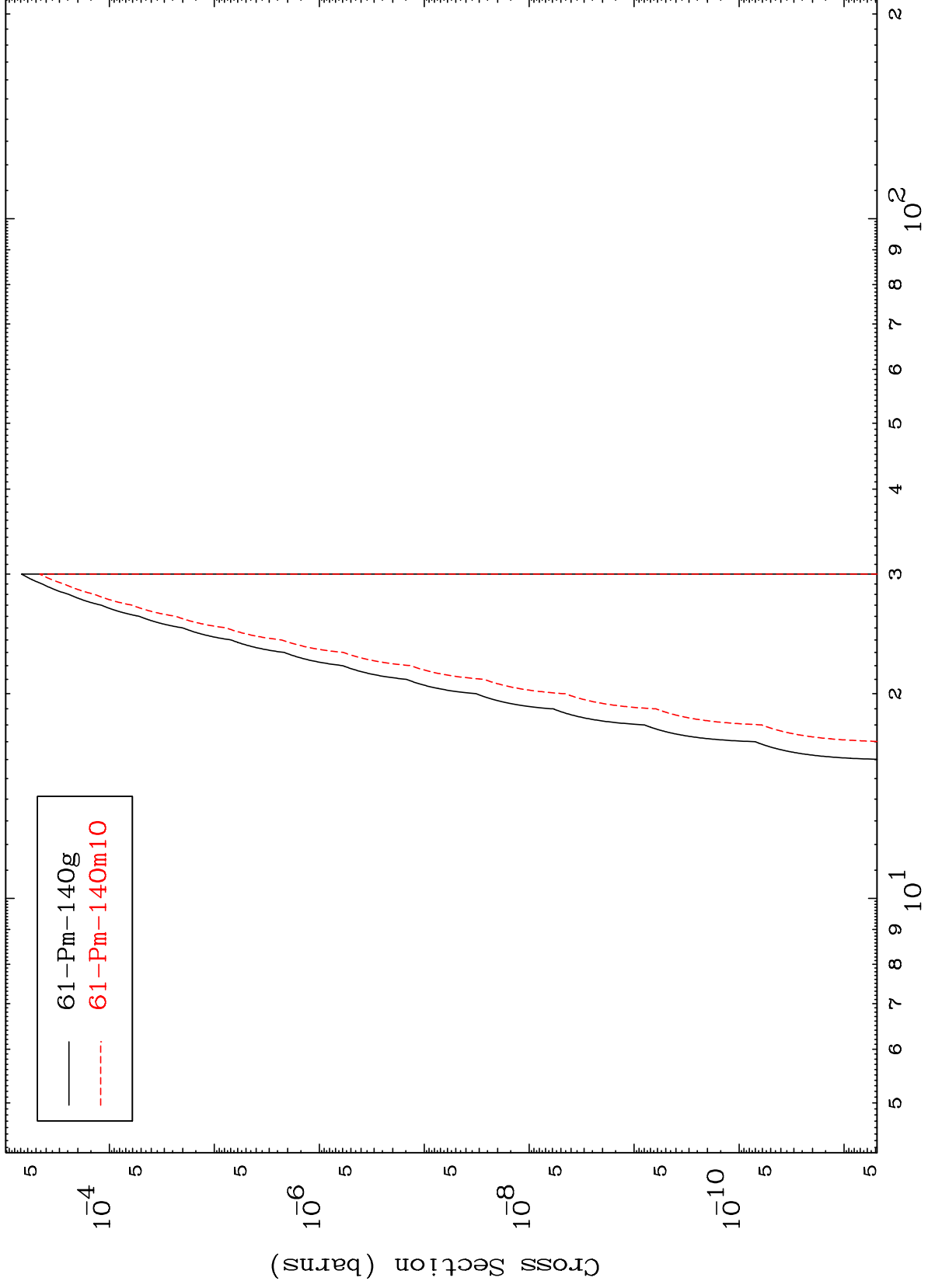
64-Gd-145

MAT 6404

(n,n') p  $\alpha$

64-Gd-145

Radionuclide Production Cross Section



137

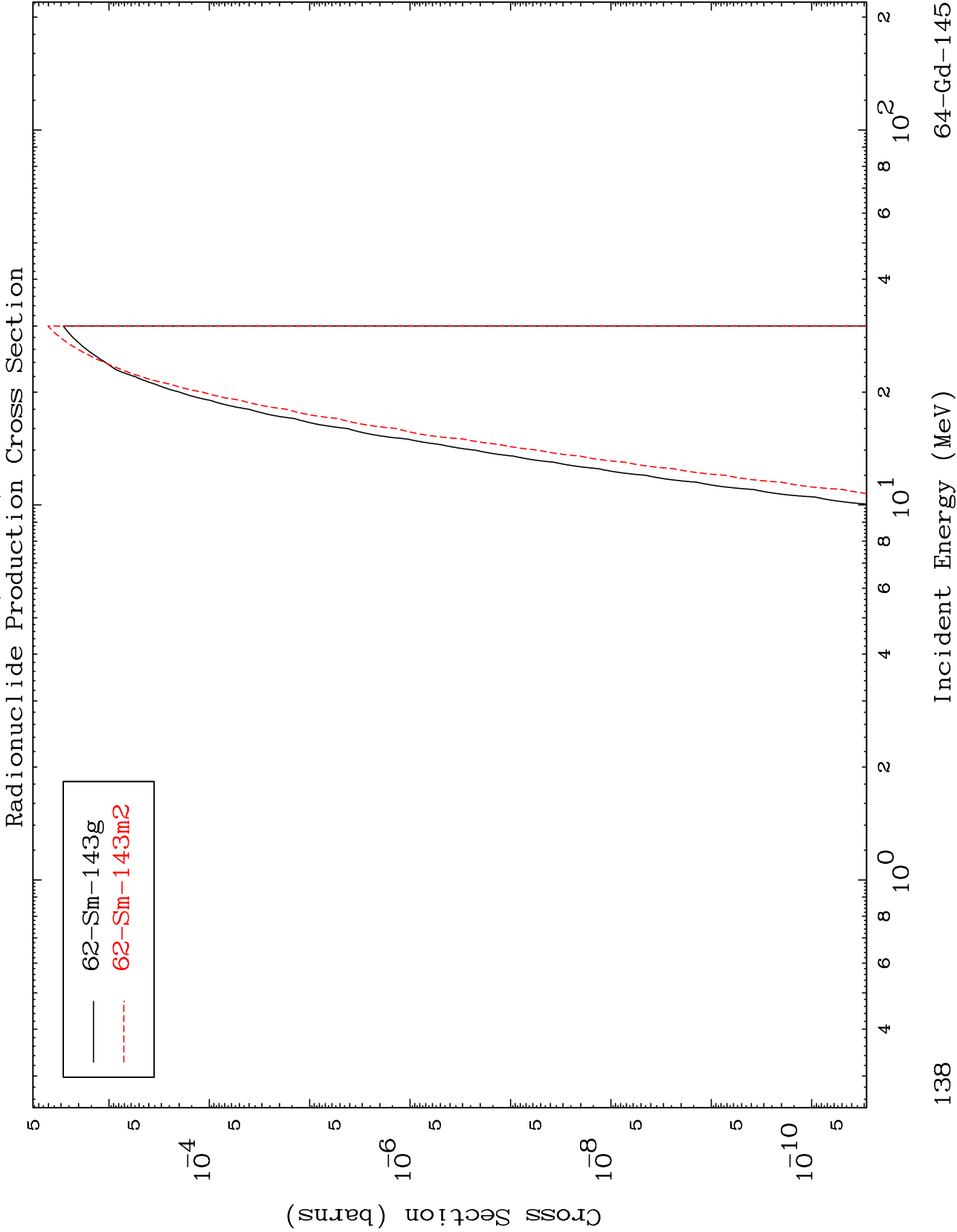
Incident Energy (MeV)

64-Gd-145

MAT 6404

(n,He-3)

64-Gd-145

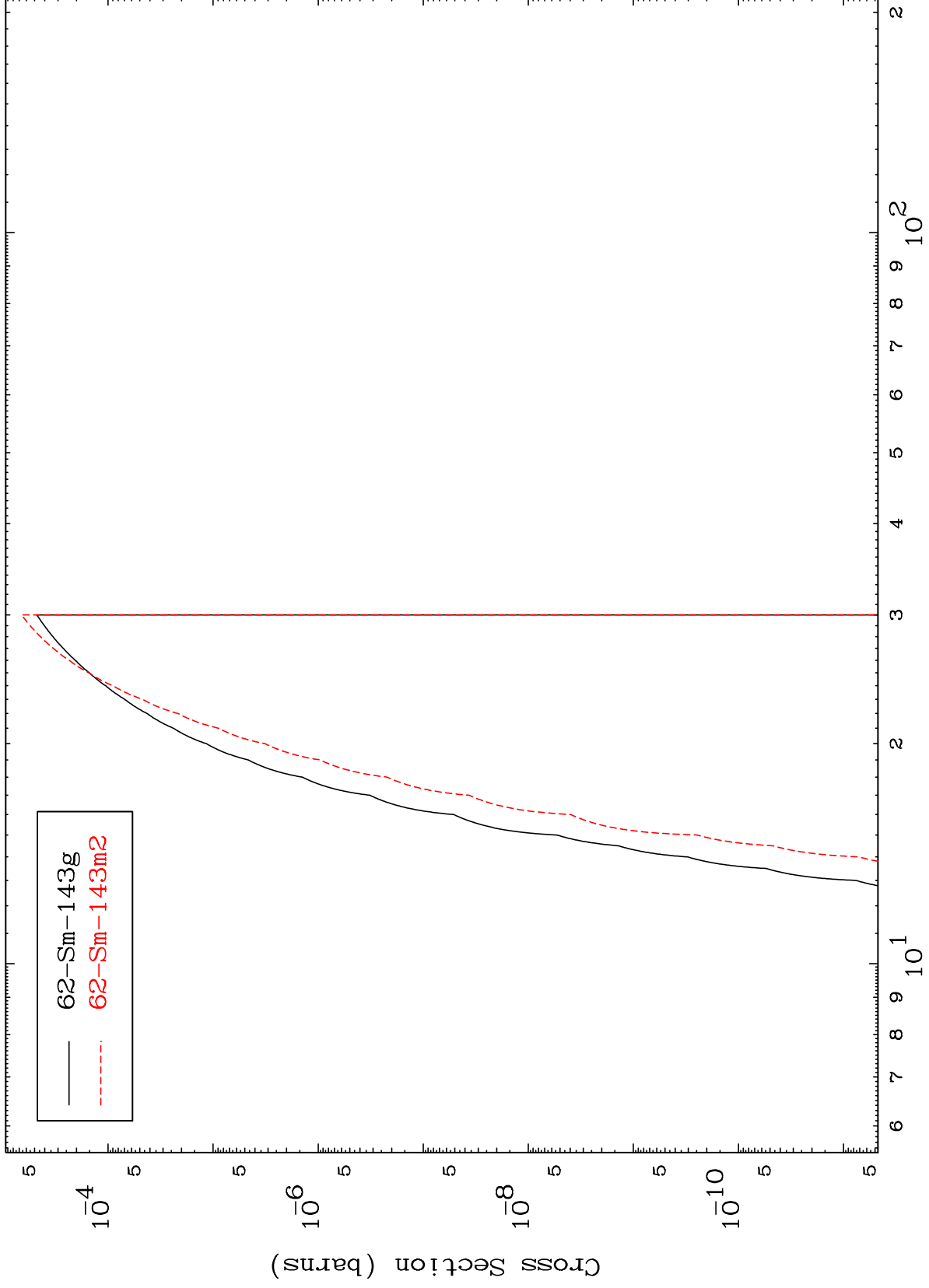


MAT 6404

(n,p) d

64-Gd-145

Radionuclide Production Cross Section



139

Incident Energy (MeV)

64-Gd-145

