

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](mailto:redcullen1@comcast.net)

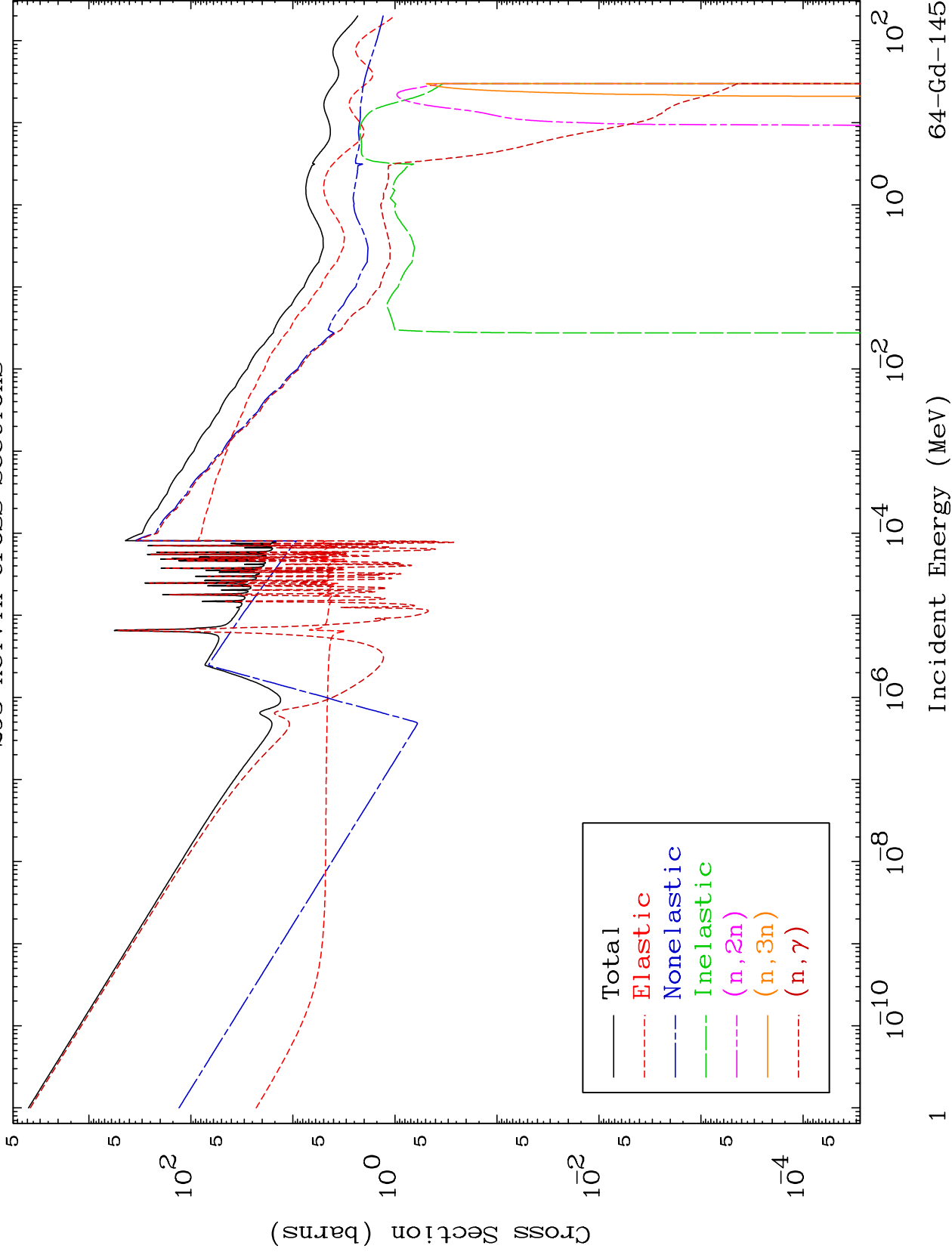
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Press Mouse Button to Start

MAT 6404

Neutron Major  
293 Kelvin Cross Sections

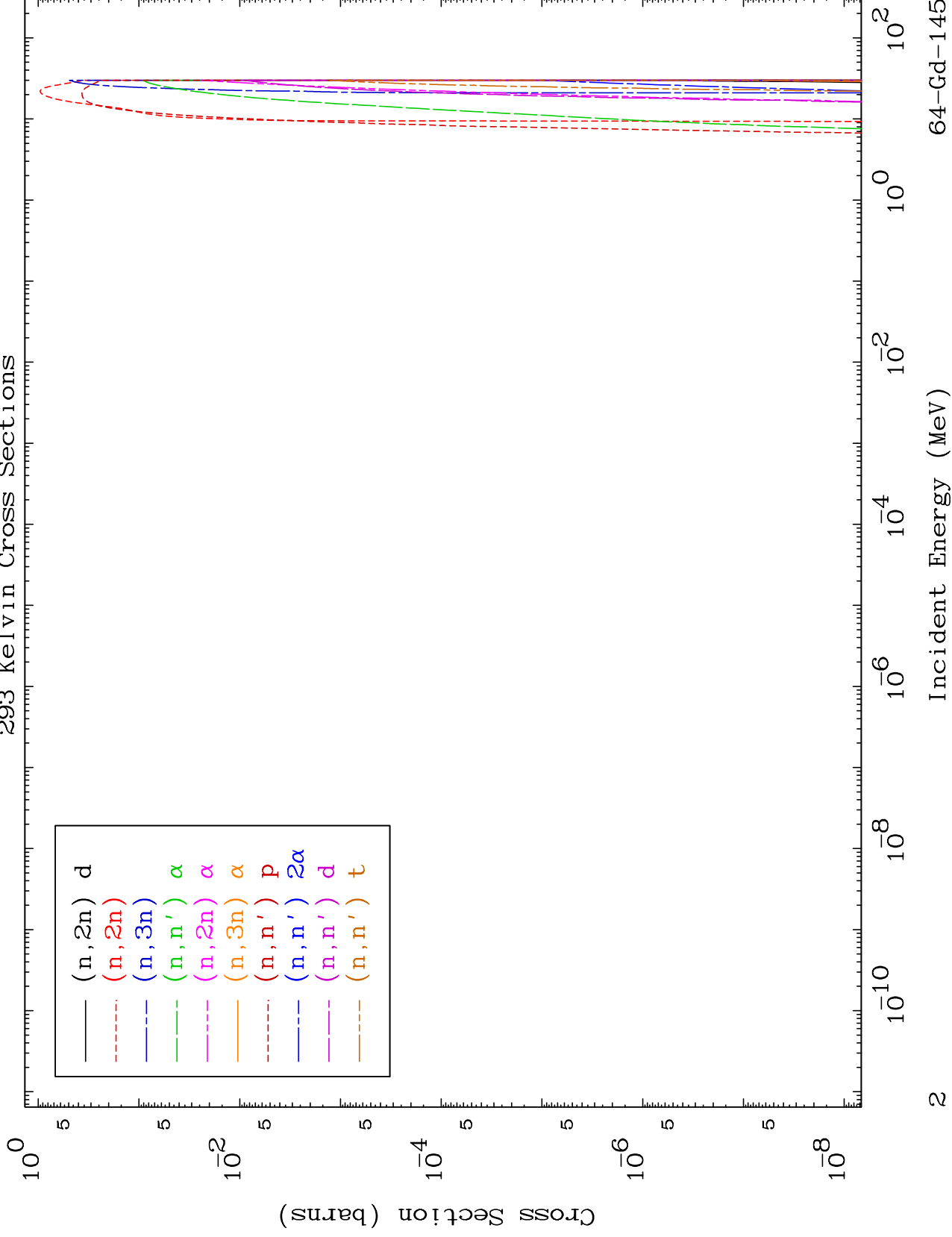
64-Gd-145



MAT 6404

Neutron Absorption  
293 Kelvin Cross Sections

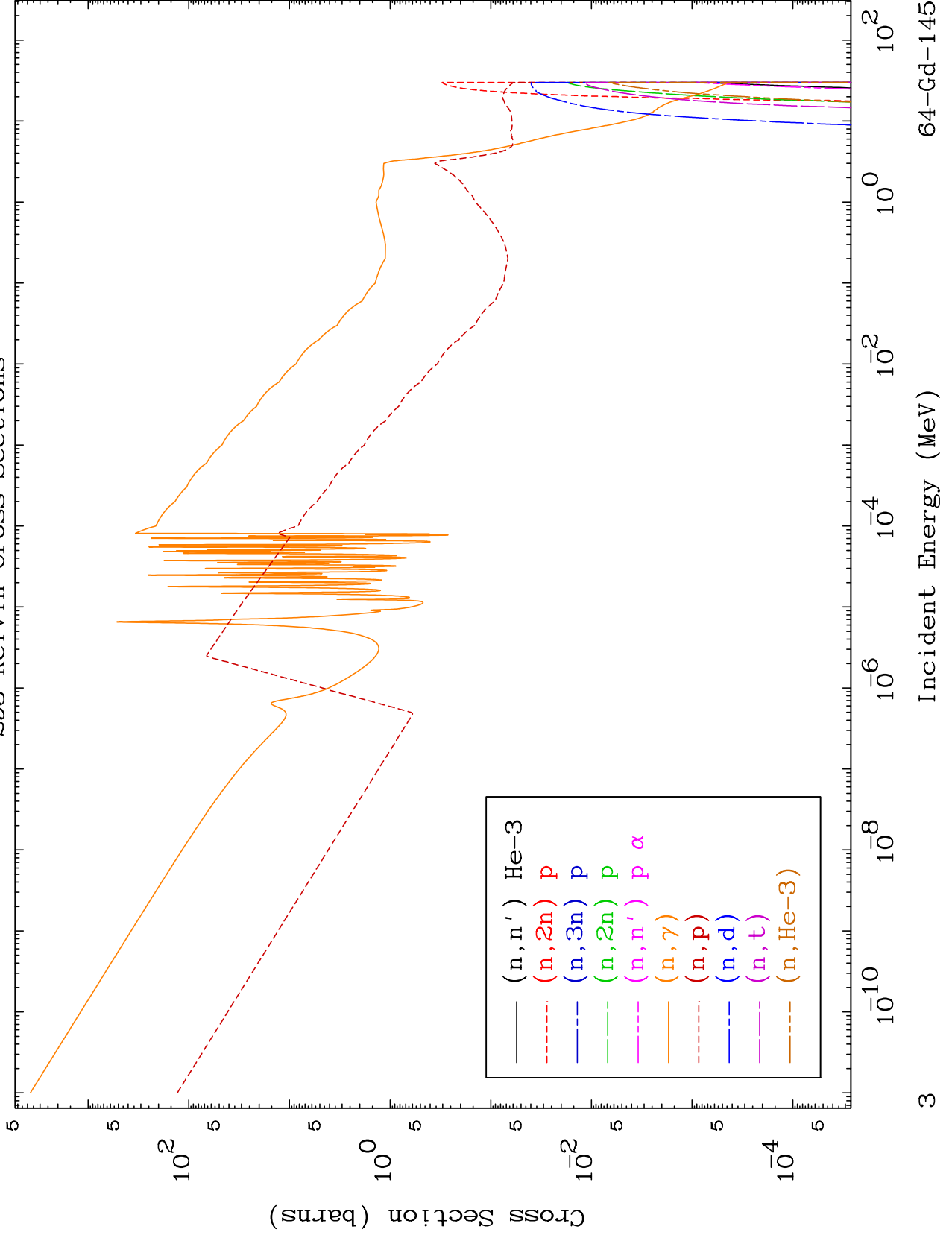
64-Gd-145



MAT 6404

Neutron Absorption  
293 Kelvin Cross Sections

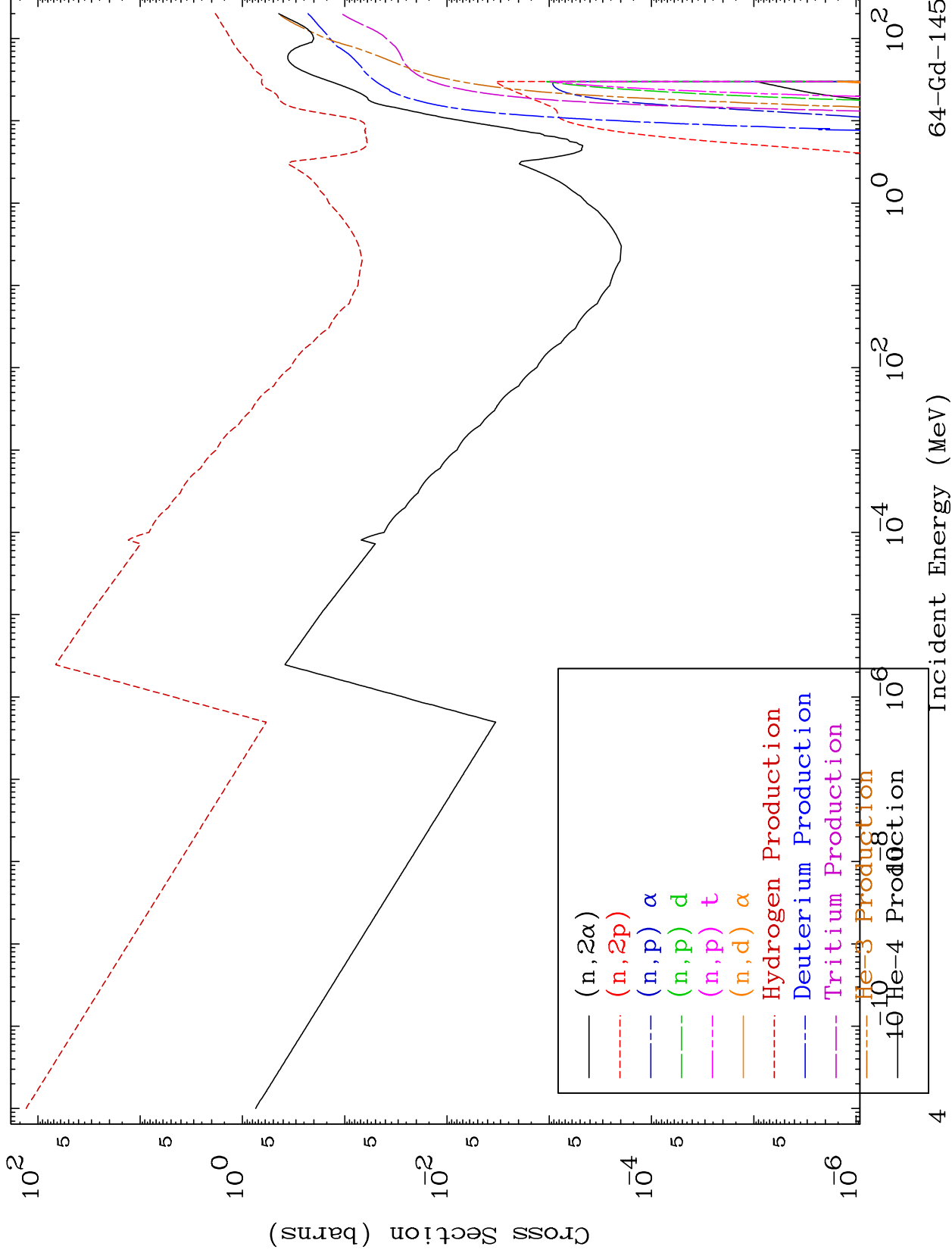
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MAT 6404

Neutron Absorption  
293 Kelvin Cross Sections

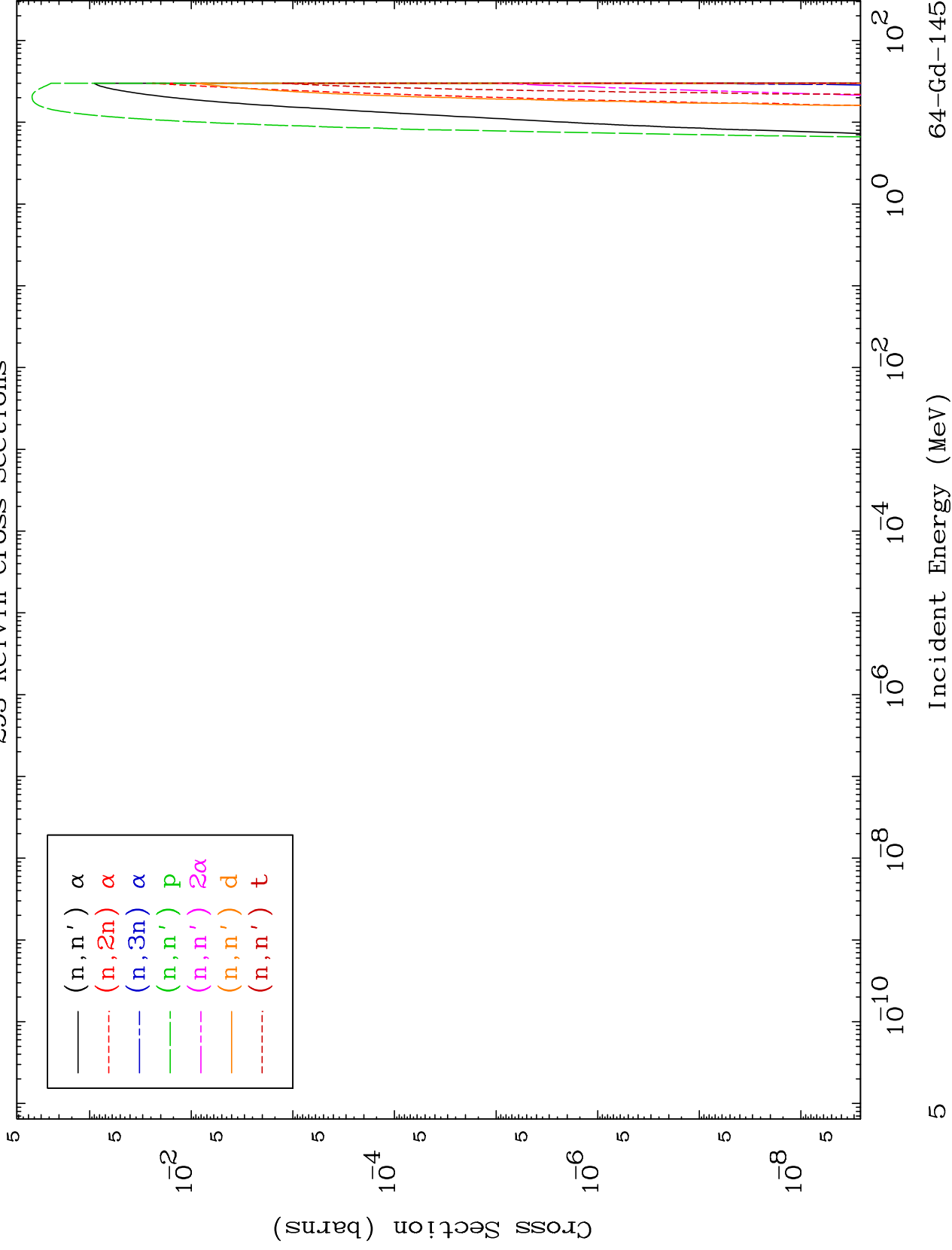
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MAT 6404

Charged Particle  
293 Kelvin Cross Sections

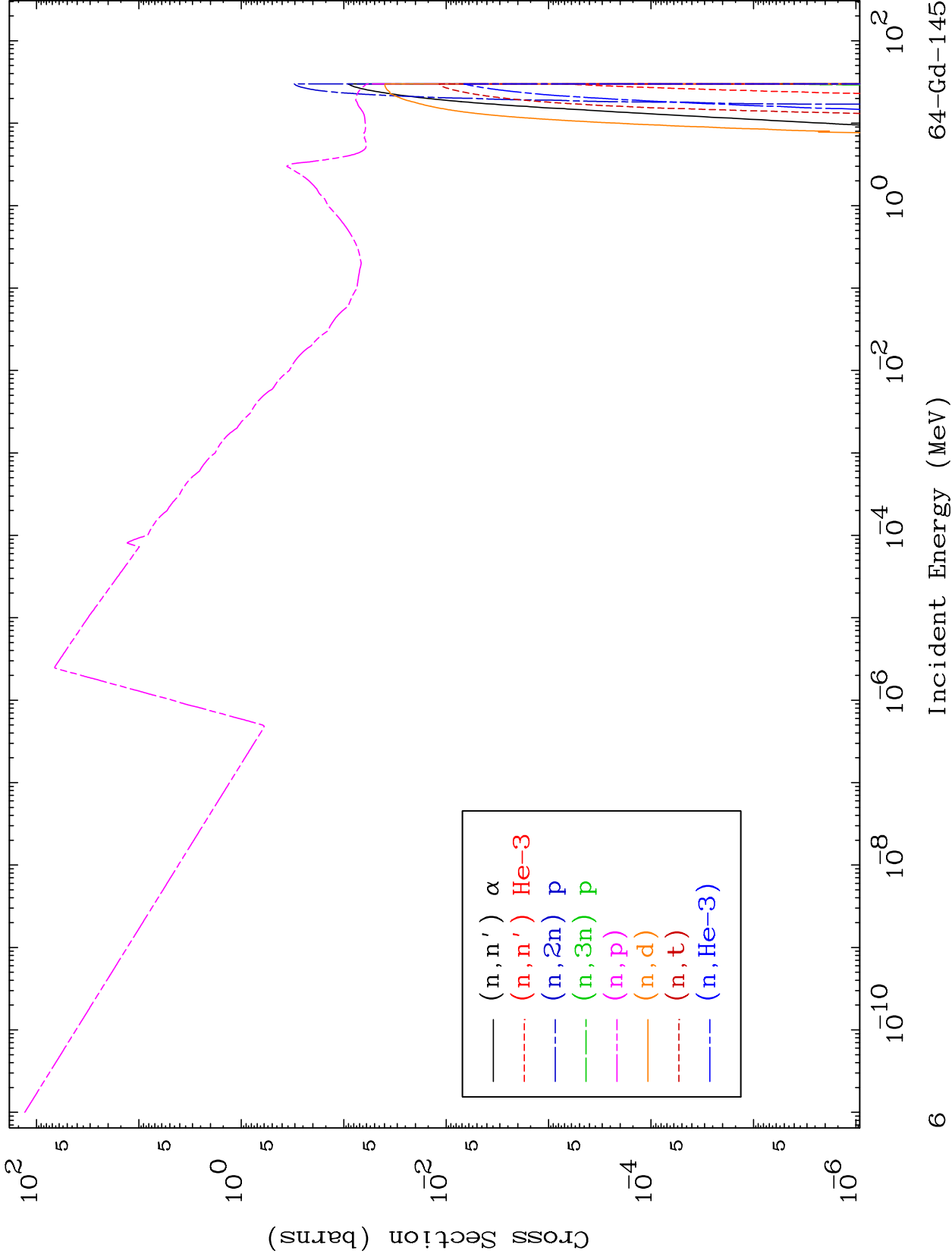
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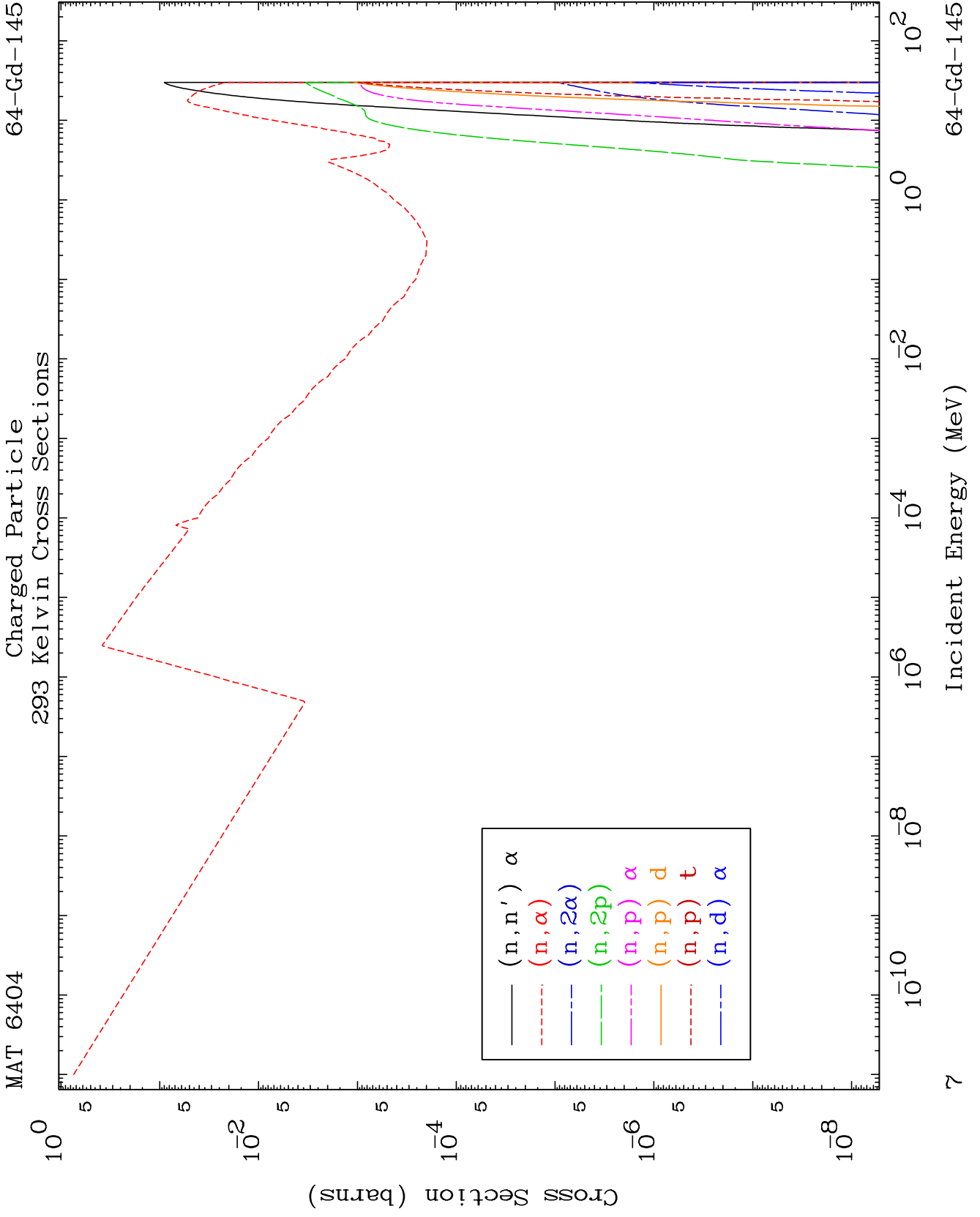


MAT 6404

Charged Particle  
293 Kelvin Cross Sections

64-Gd-145



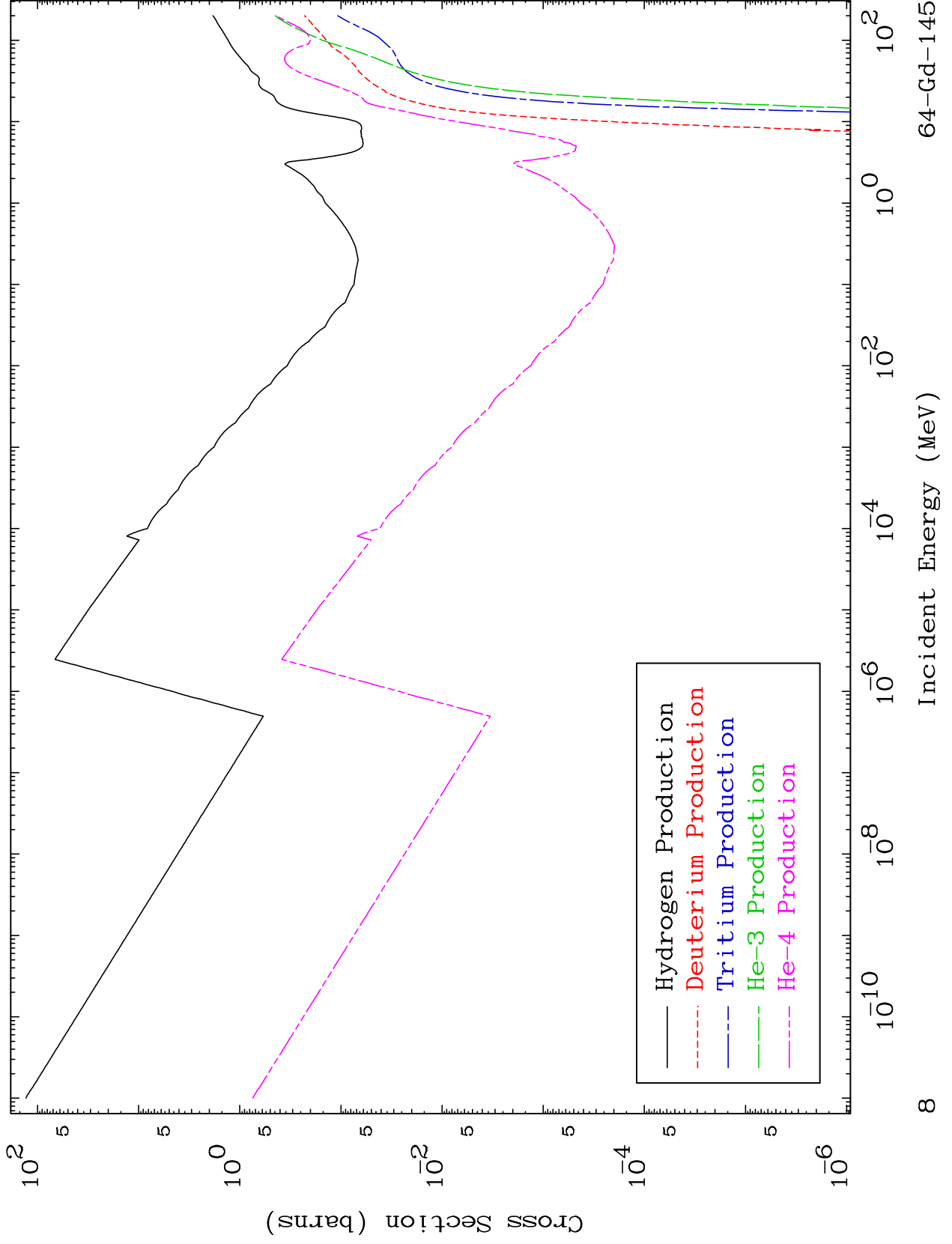




MAT 6404

Particle Production  
293 Kelvin Cross Sections

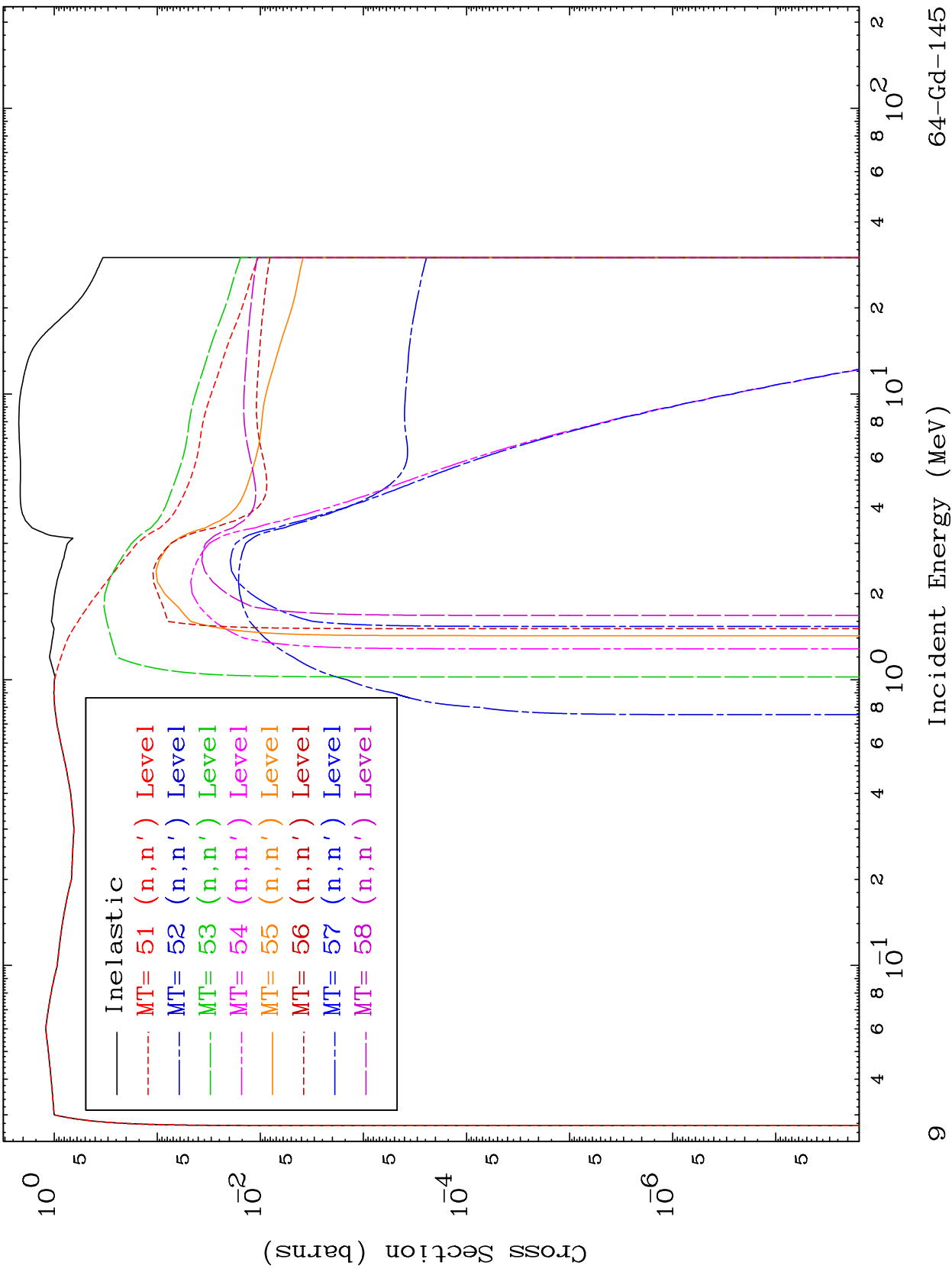
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MAT 6404

64-Gd-145

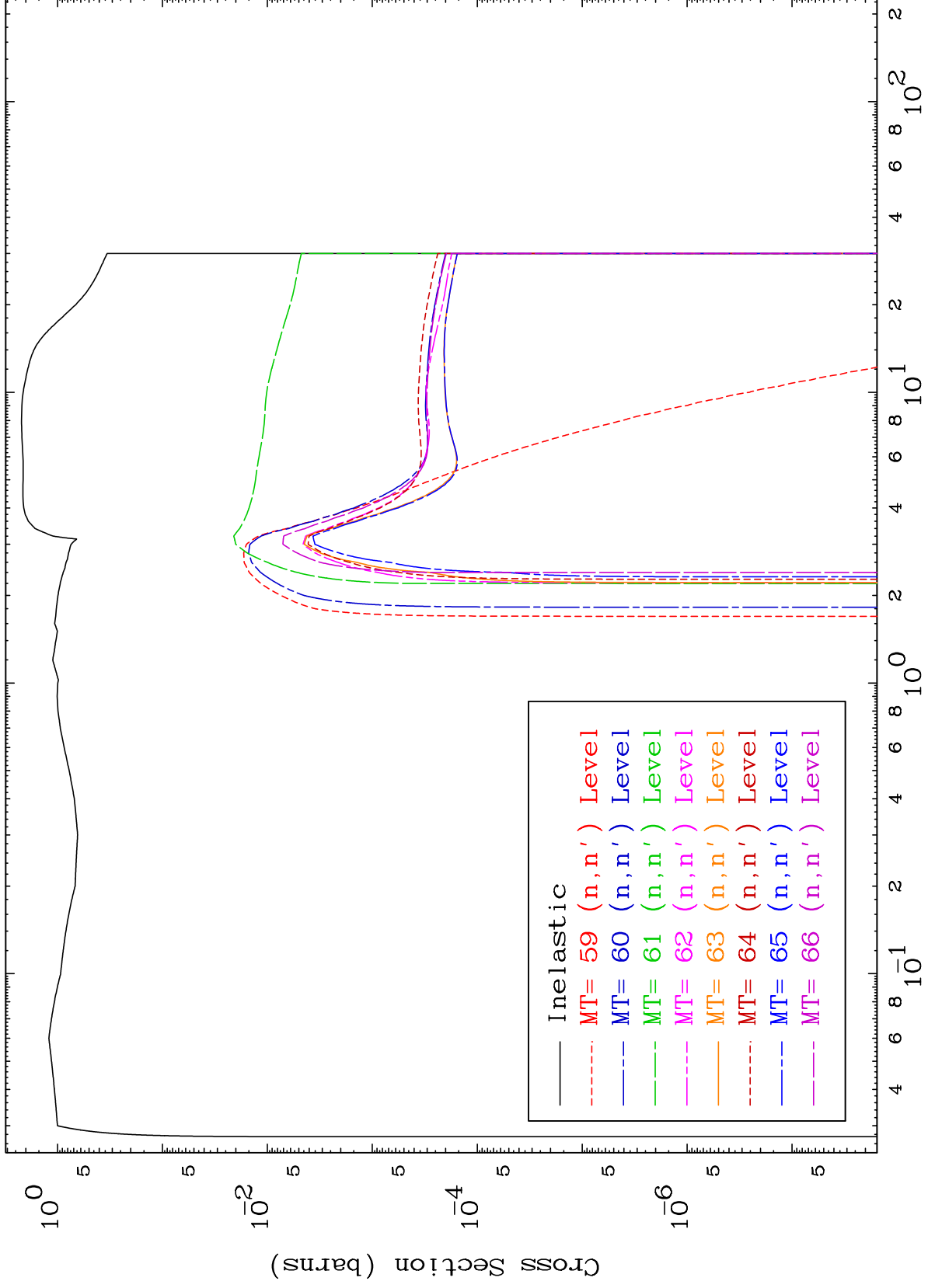
(n,n') Levels  
293 Kelvin Cross Sections



MAT 6404

64-Gd-145

(n,n') Levels  
293 Kelvin Cross Sections



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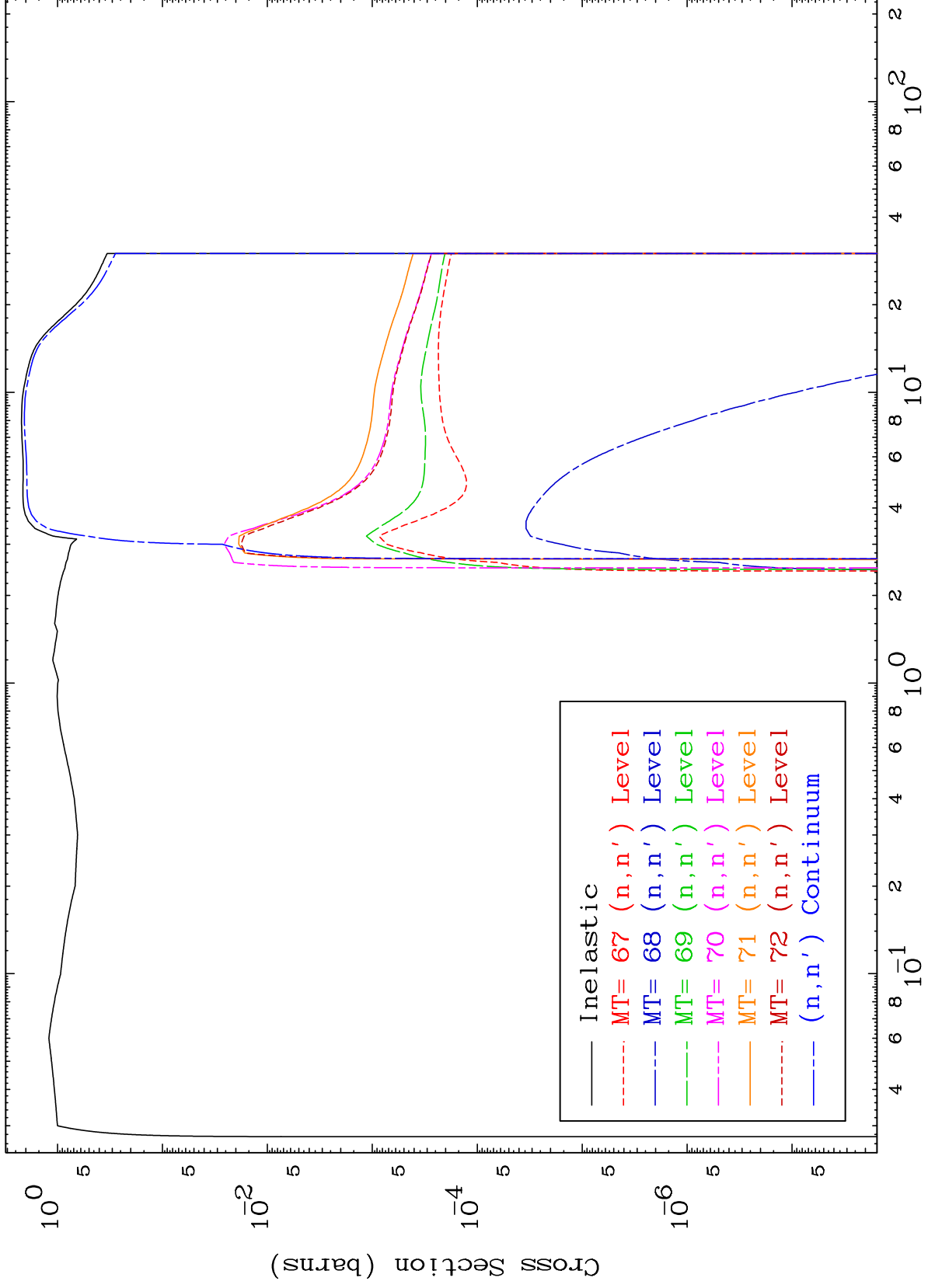
64-Gd-145

MAT 6404

(n,n') Levels

64-Gd-145

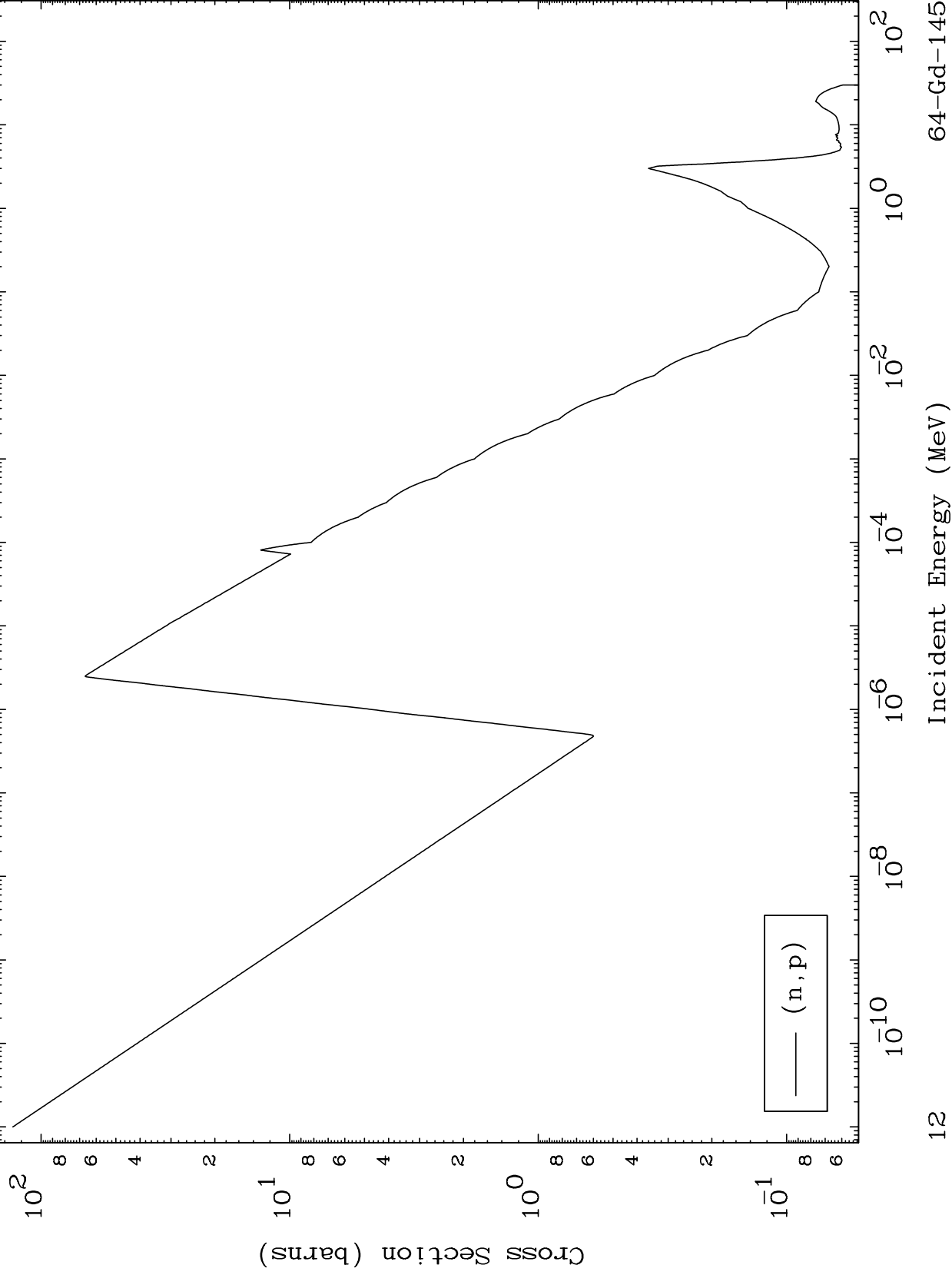
293 Kelvin Cross Sections



MAT 6404

(n,p) Levels  
293 Kelvin Cross Sections

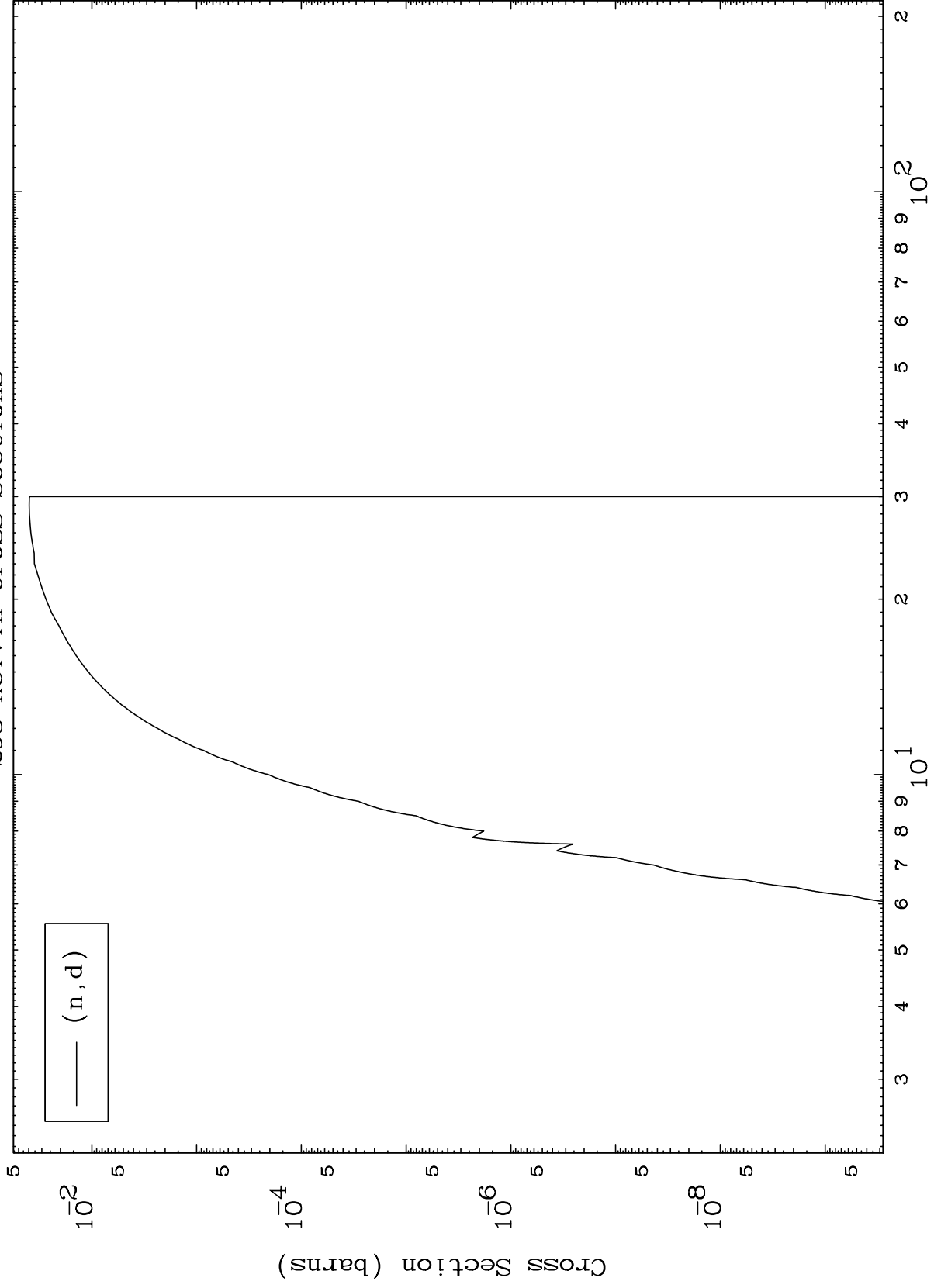
64-Gd-145



MAT 6404

(n,d) Levels  
293 Kelvin Cross Sections

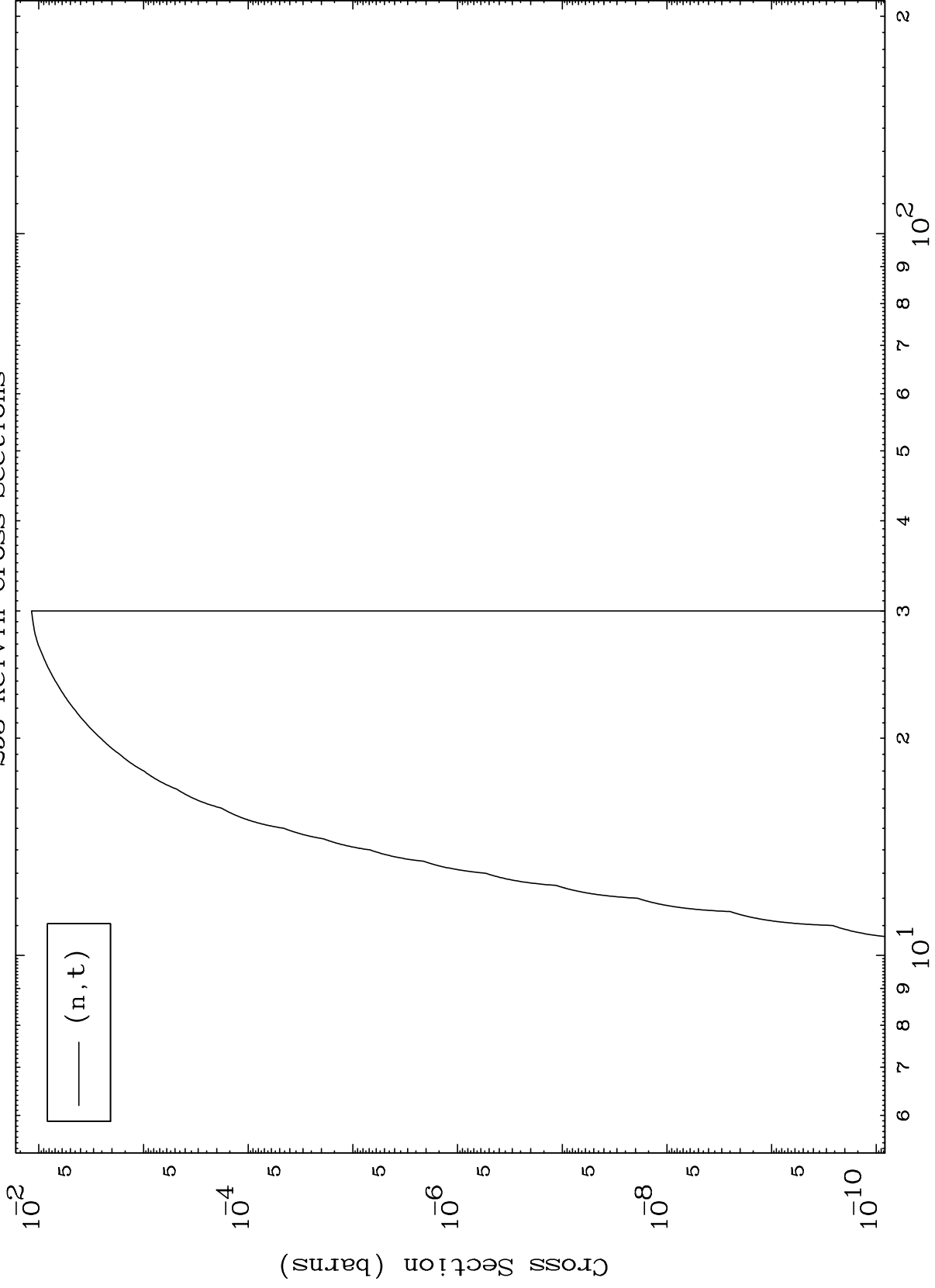
64-Gd-145



MAT 6404

(n, t) Levels  
293 Kelvin Cross Sections

64-Gd-145



14

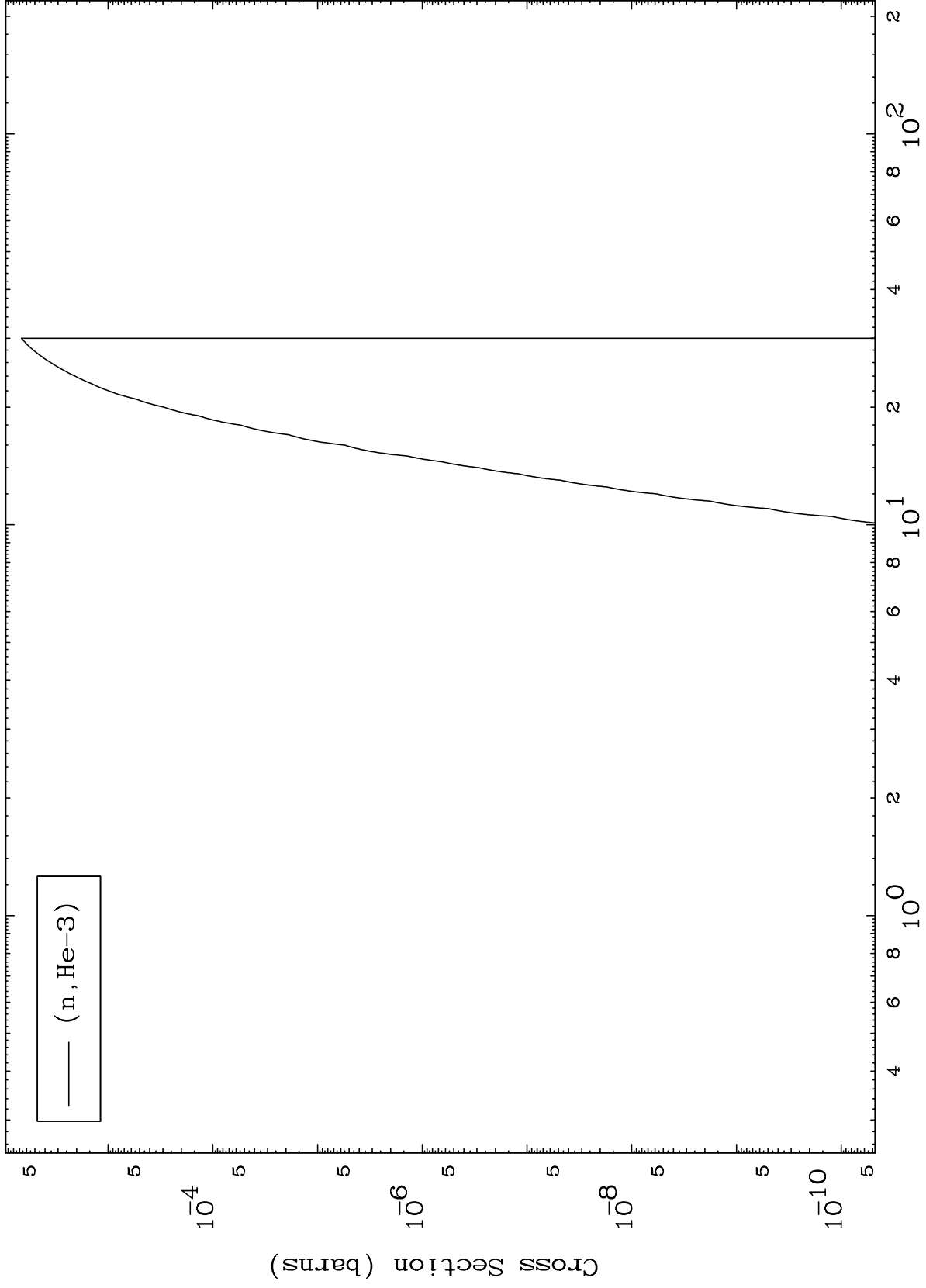
Incident Energy (MeV)

64-Gd-145

MAT 6404

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-145



15

Incident Energy (MeV)

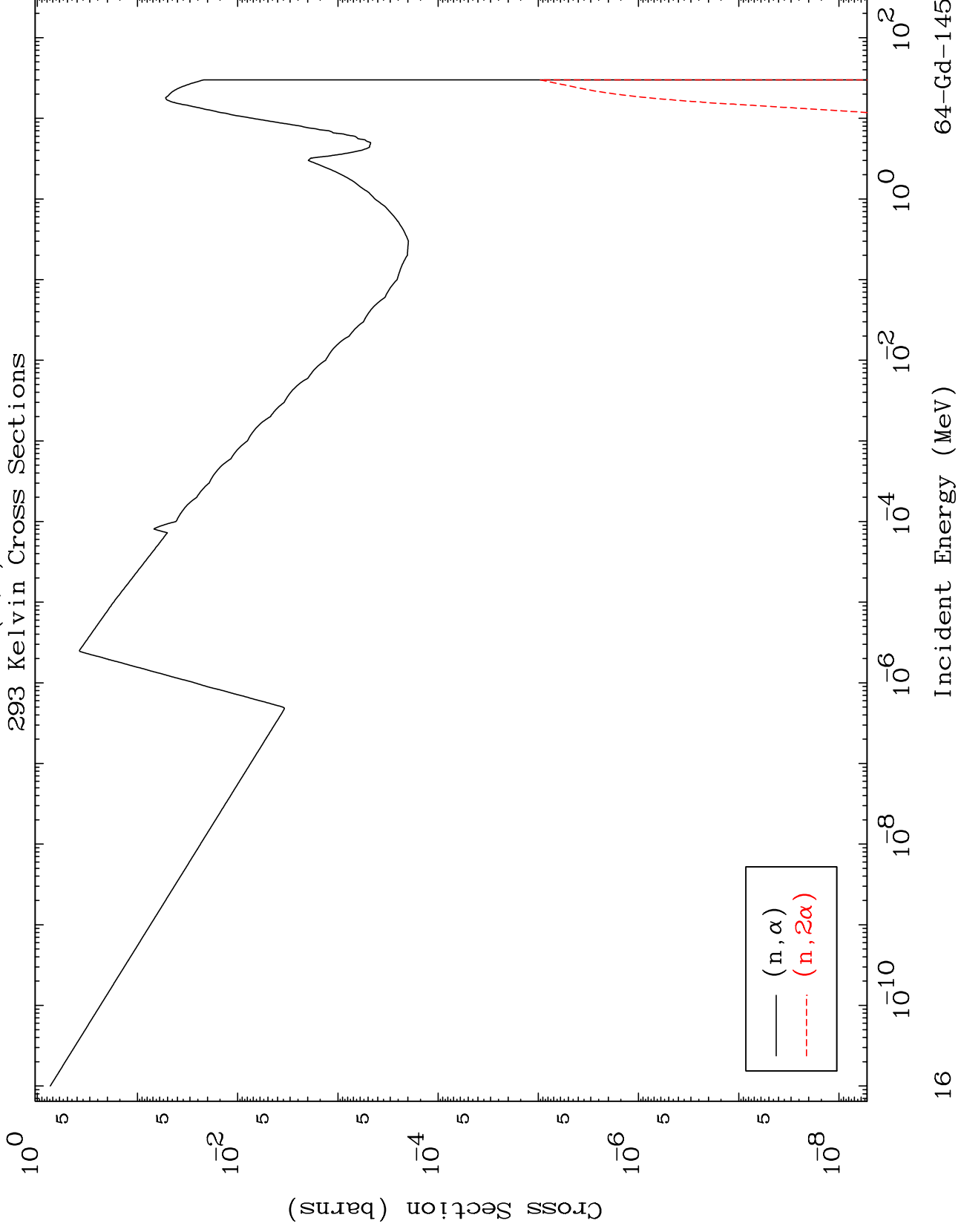
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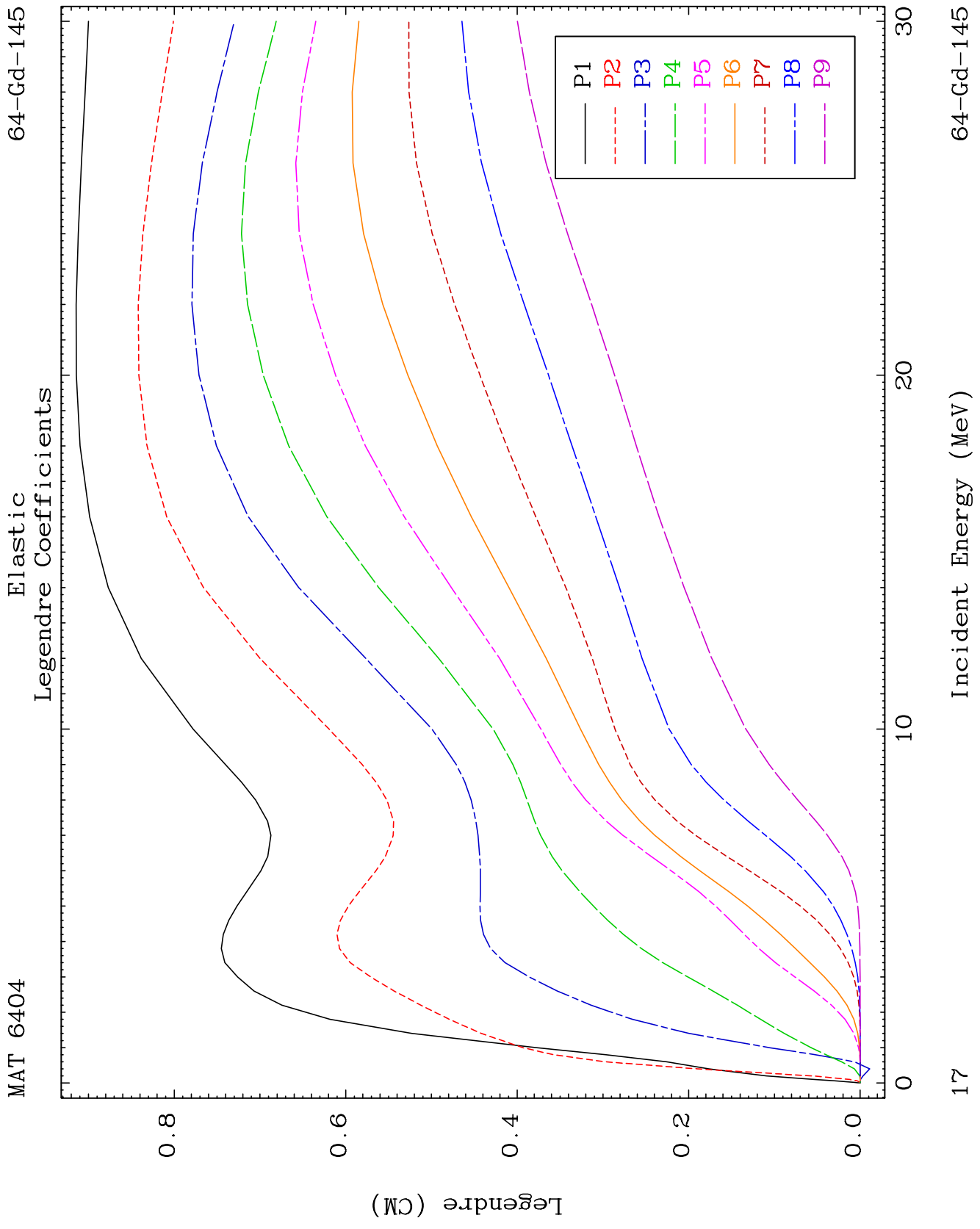


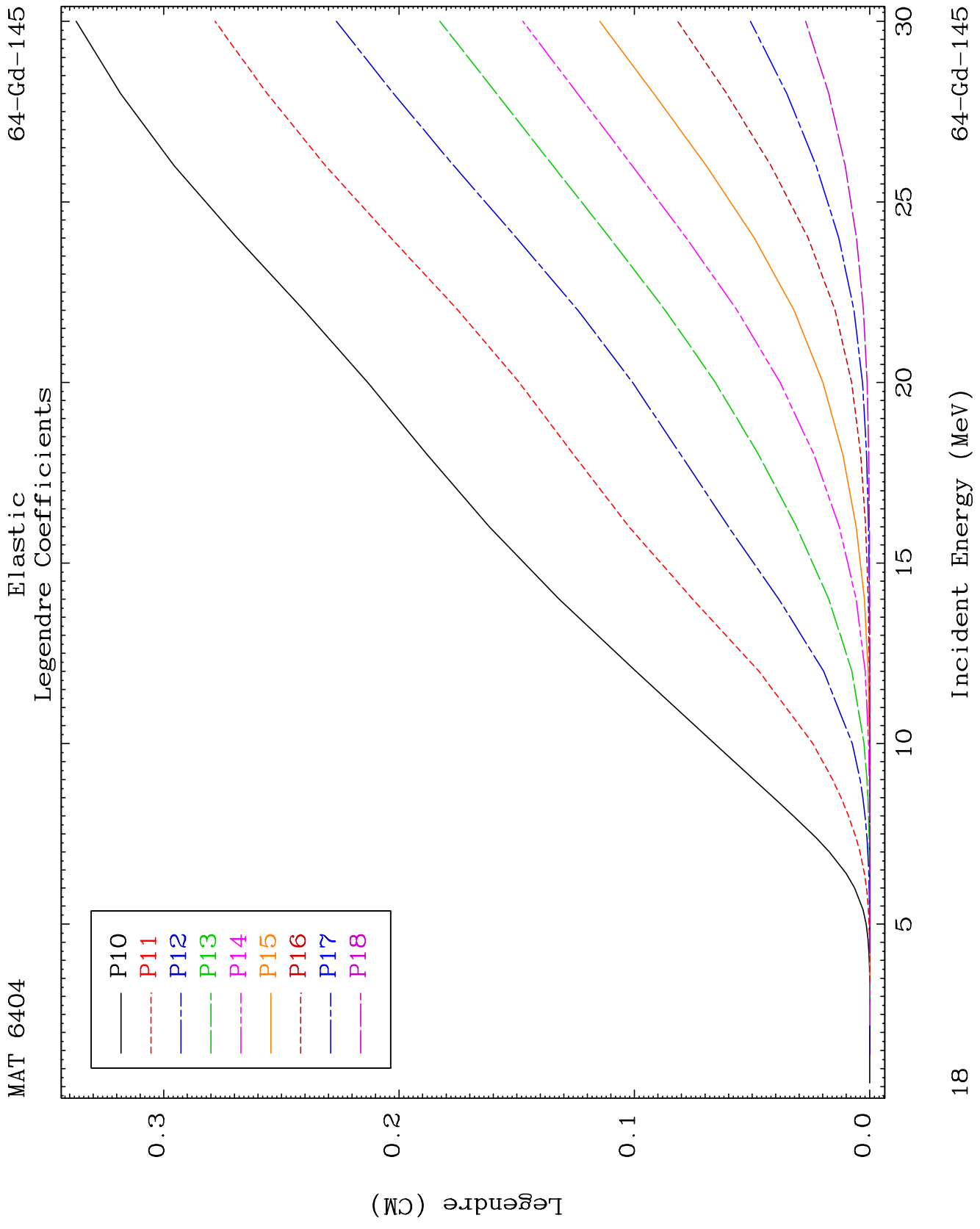
MAT 6404

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

64-Gd-145



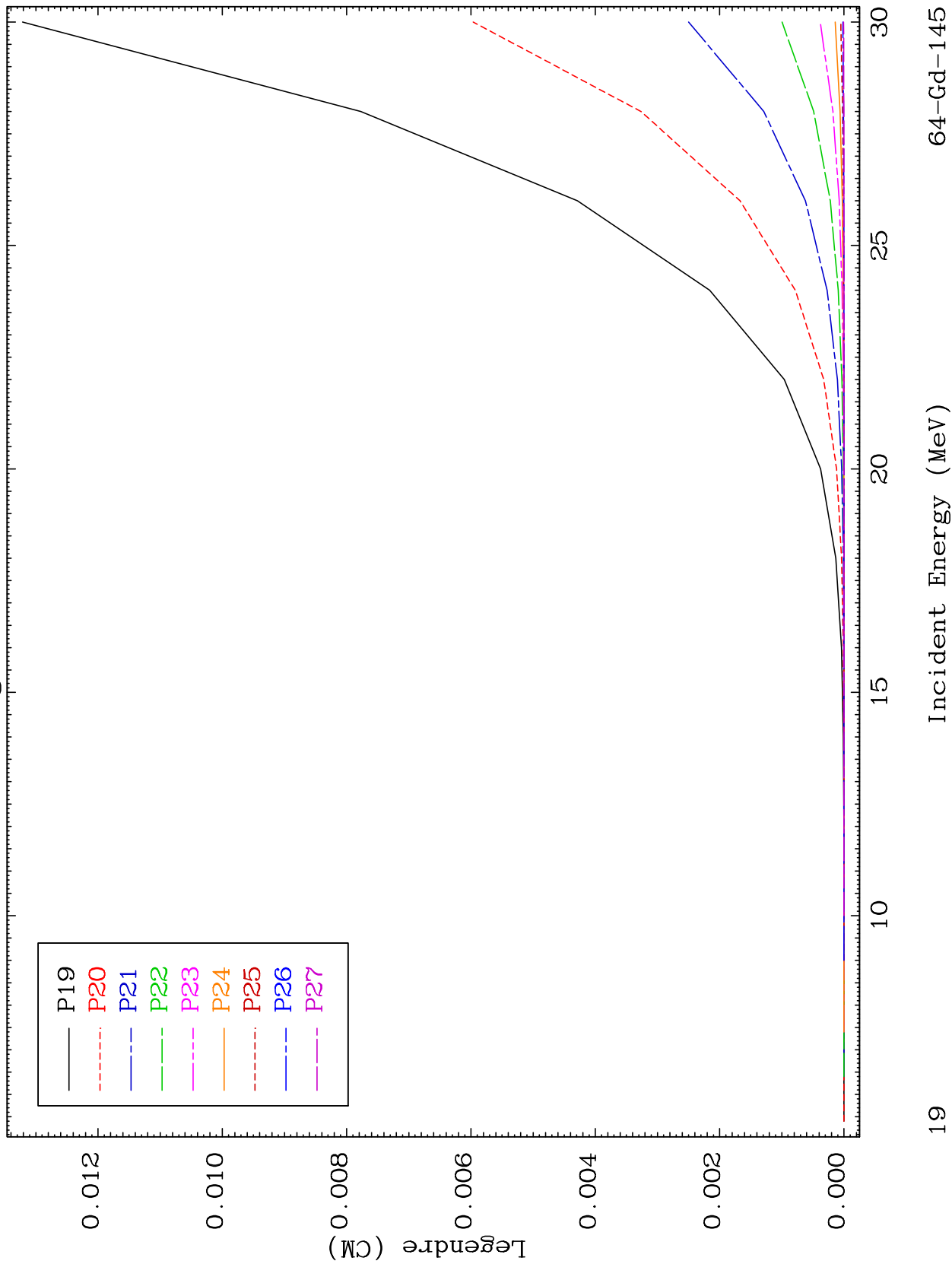




MAT 6404

### Elastic Legendre Coefficients

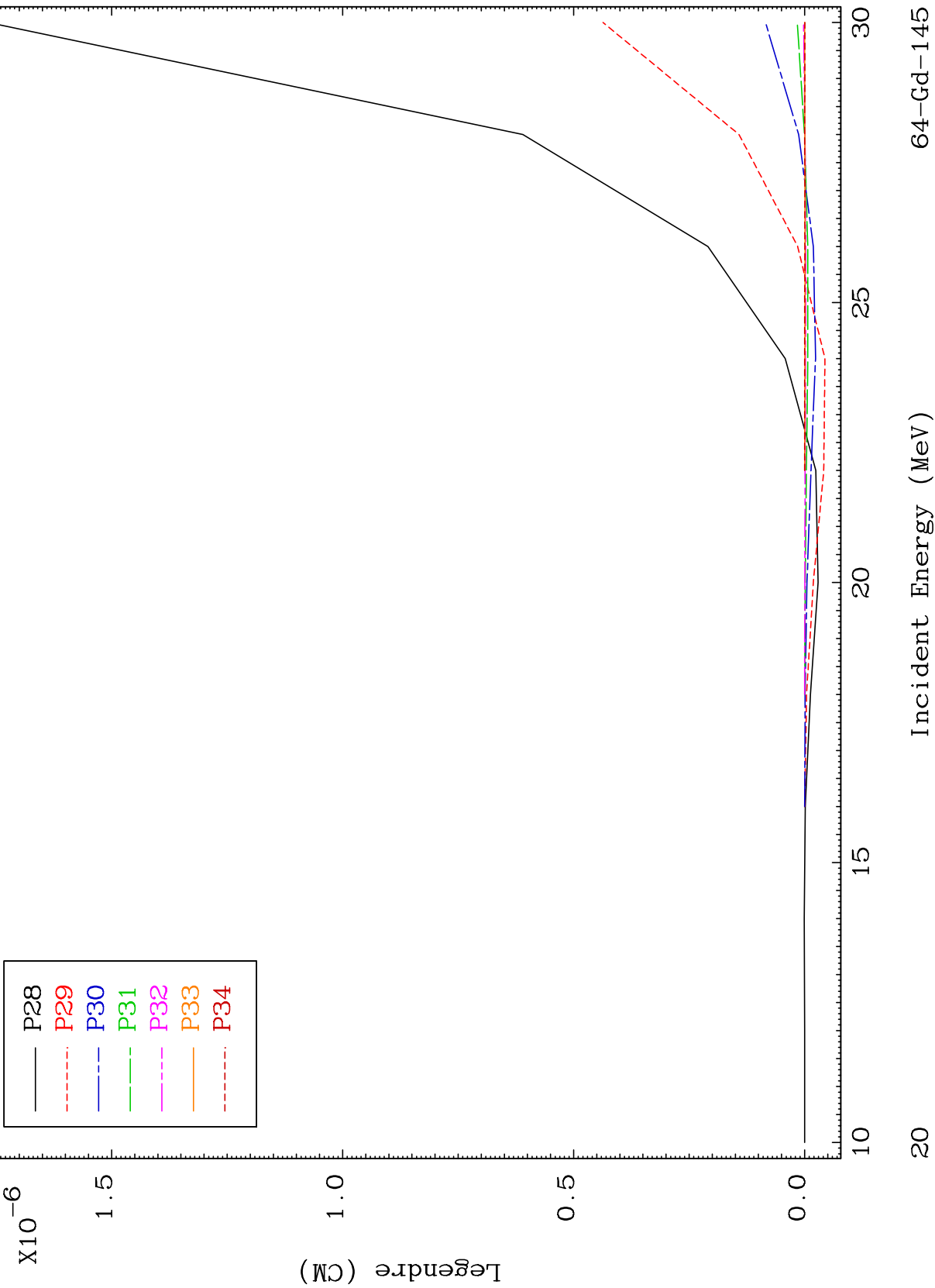
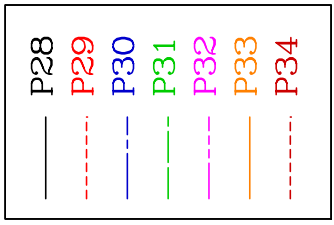
64-Gd-145



MAT 6404

Elastic Legendre Coefficients

64-Gd-145



64-Gd-145

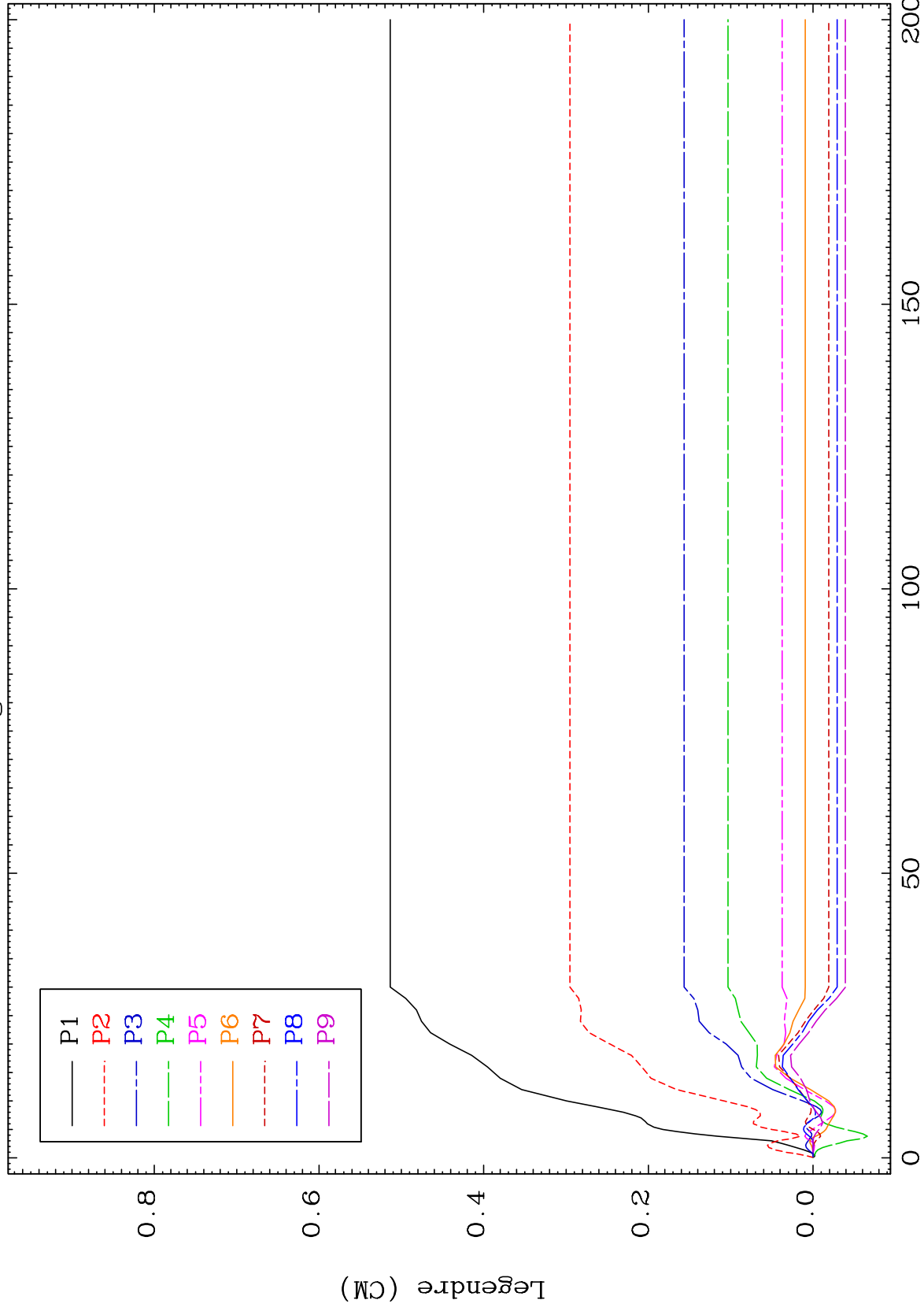
Incident Energy (MeV)

20

MAT 6404

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

64-Gd-145



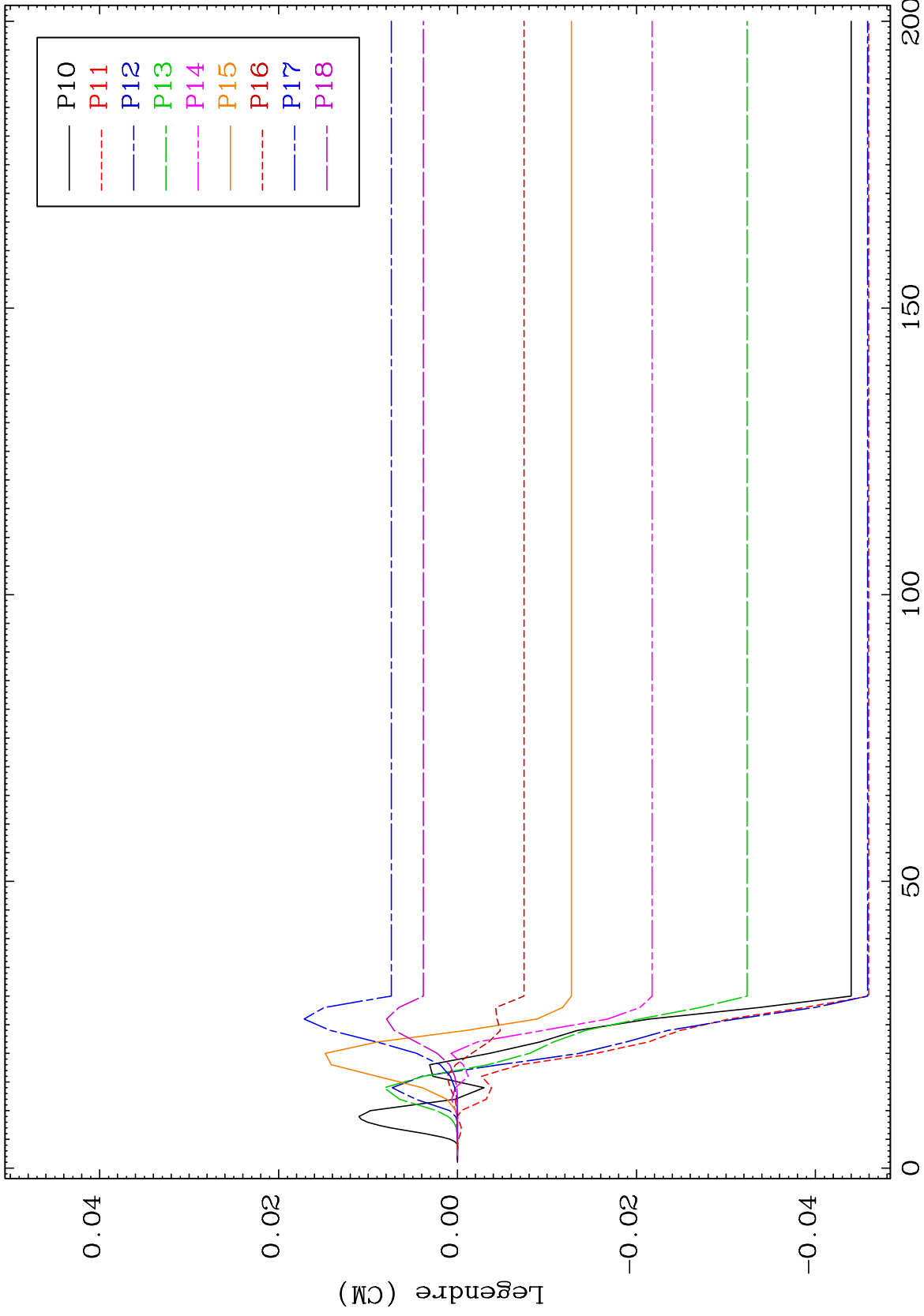
21

64-Gd-145

MAT 6404

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

64-Gd-145



22

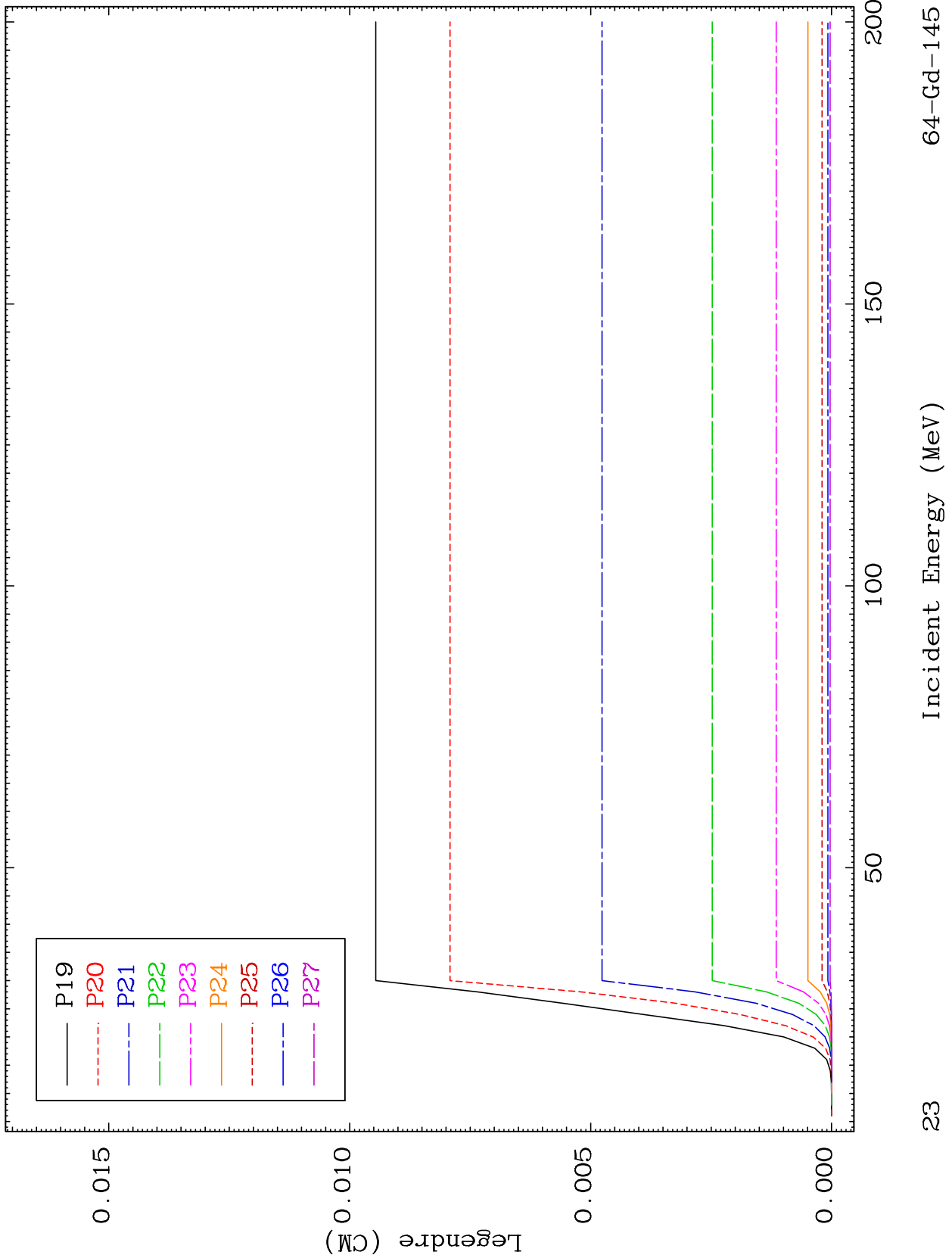
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145

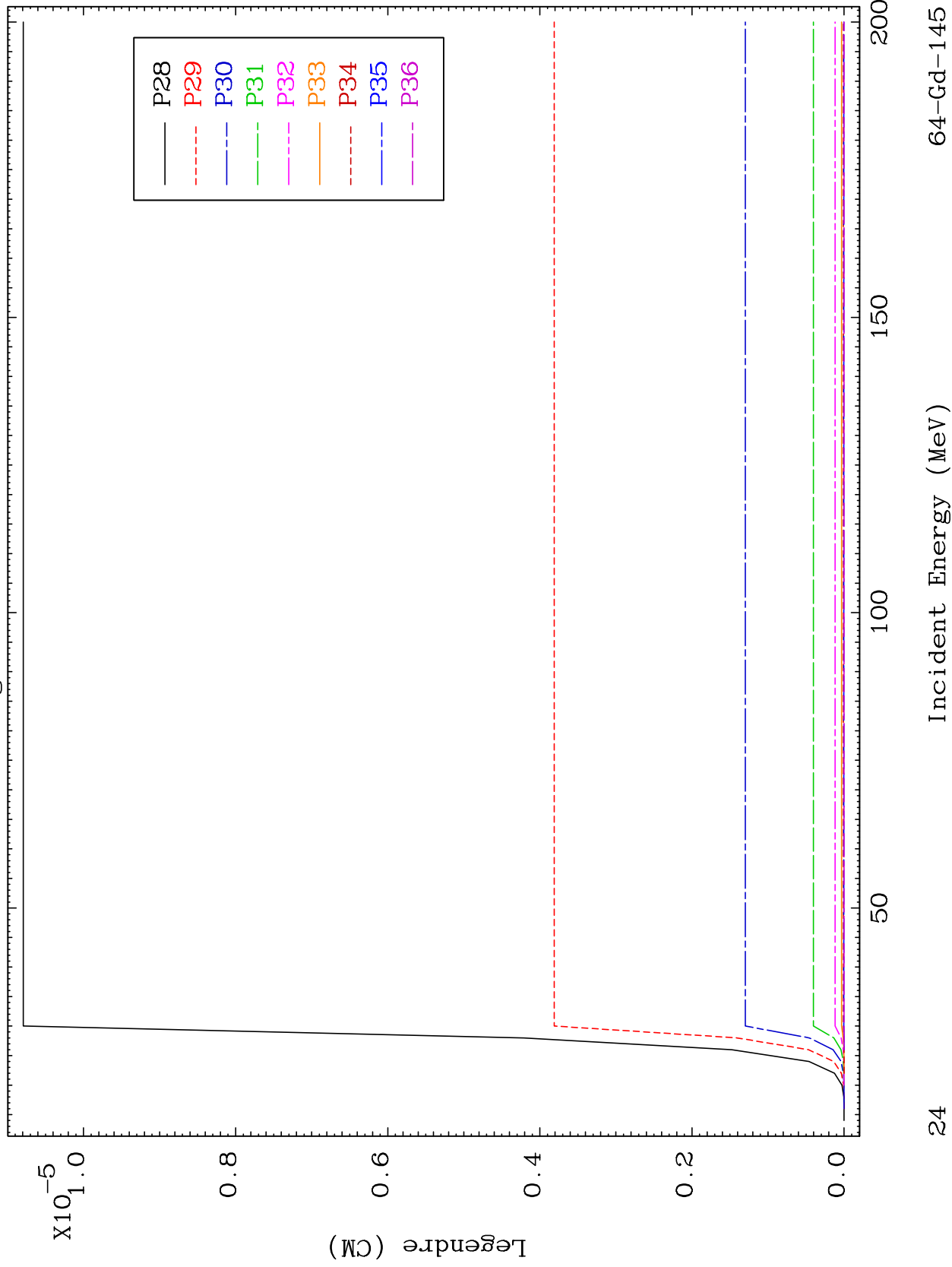




MAT 6404

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

64-Gd-145

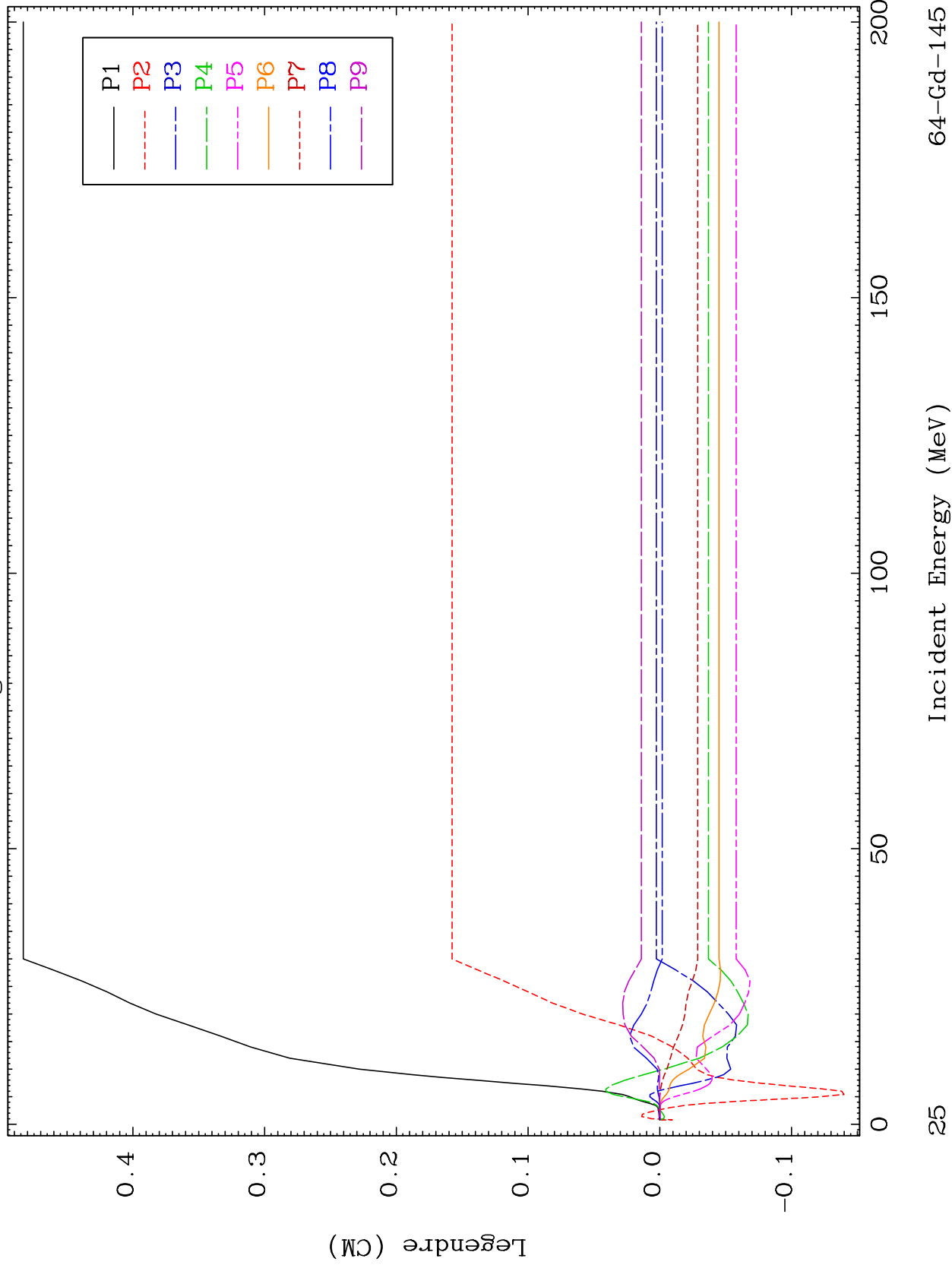


24

MAT 6404

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

64-Gd-145



64-Gd-145

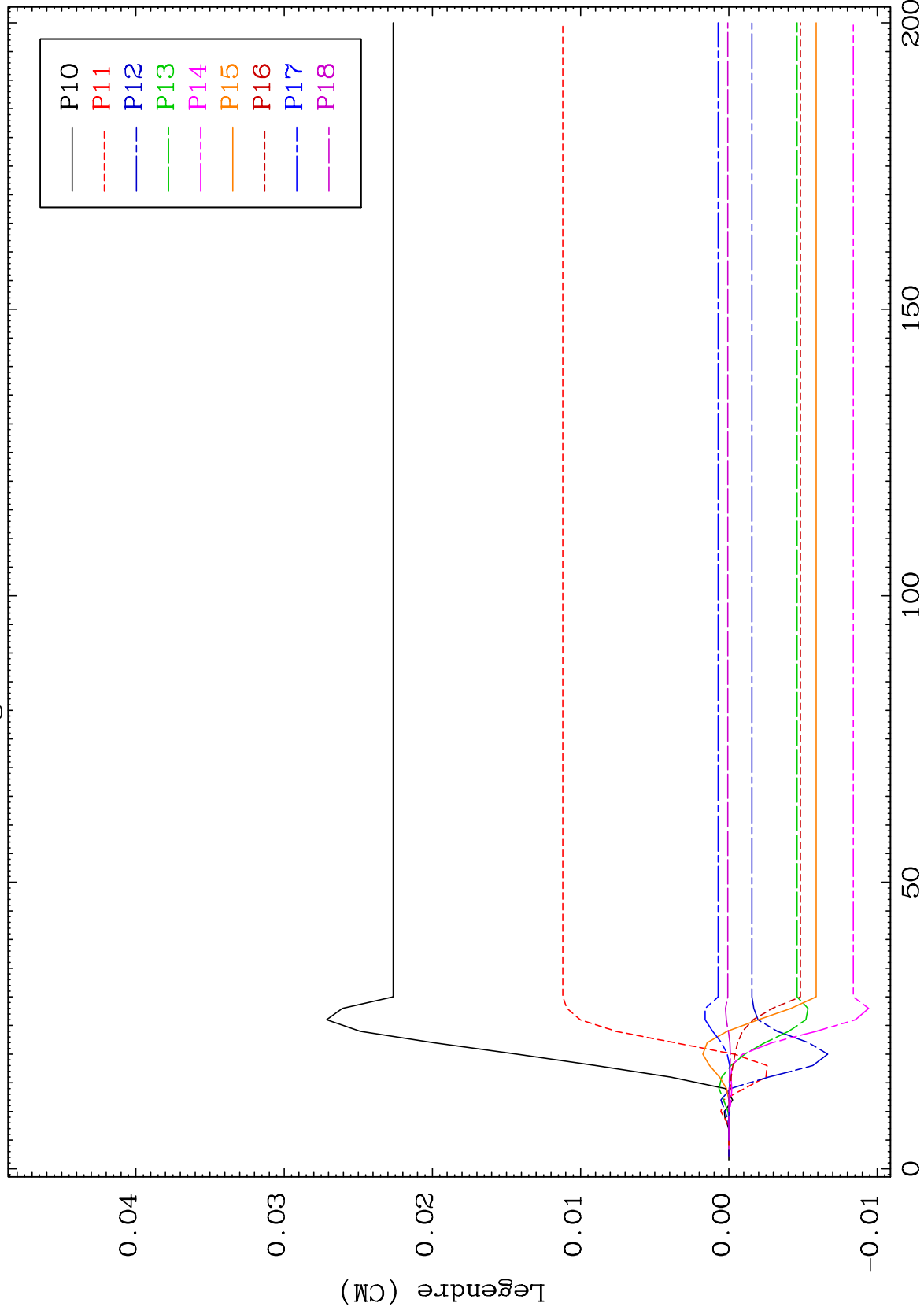
Incident Energy (MeV)

25

MAT 6404

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

64-Gd-145



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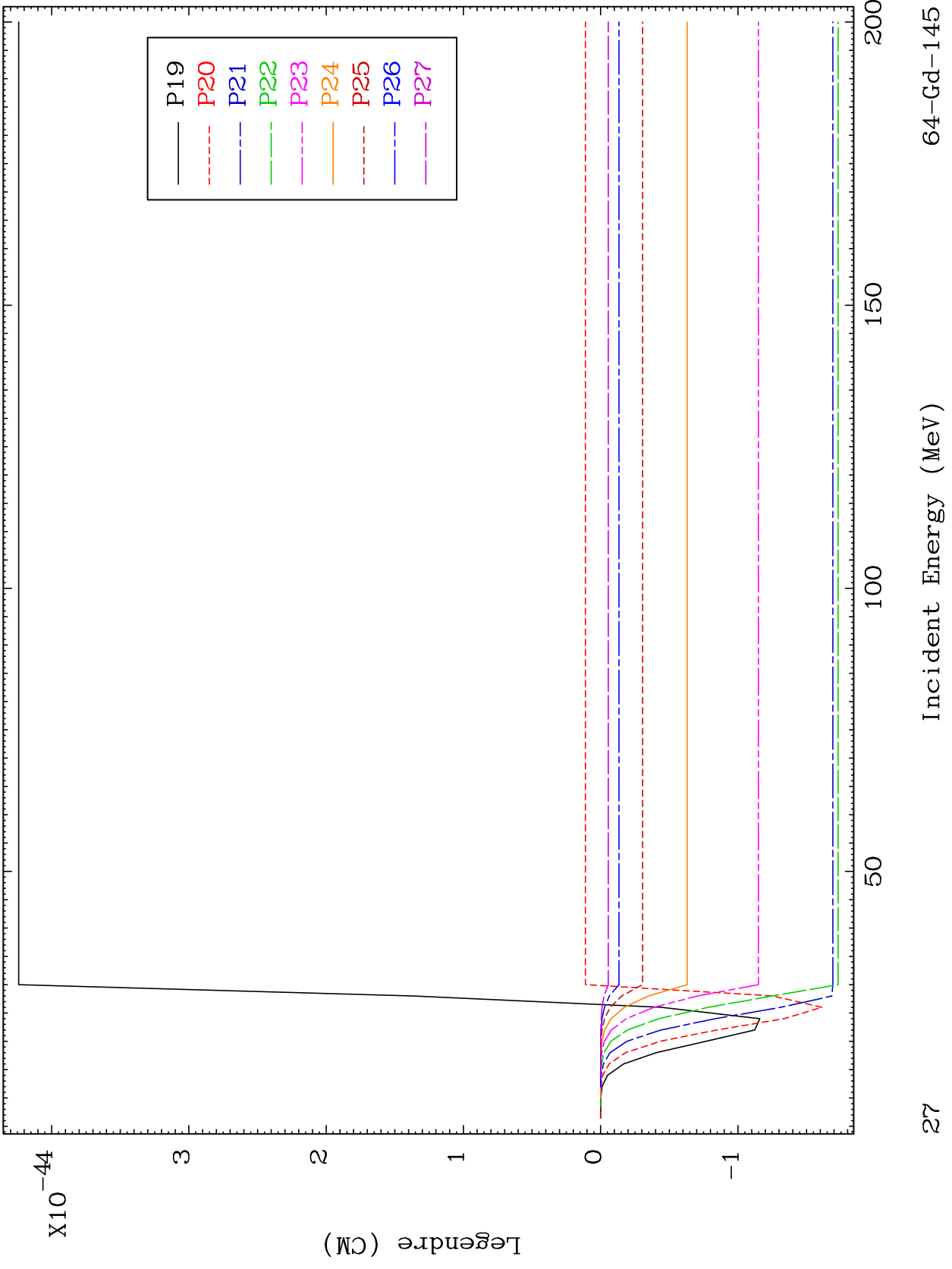
Incident Energy (MeV)

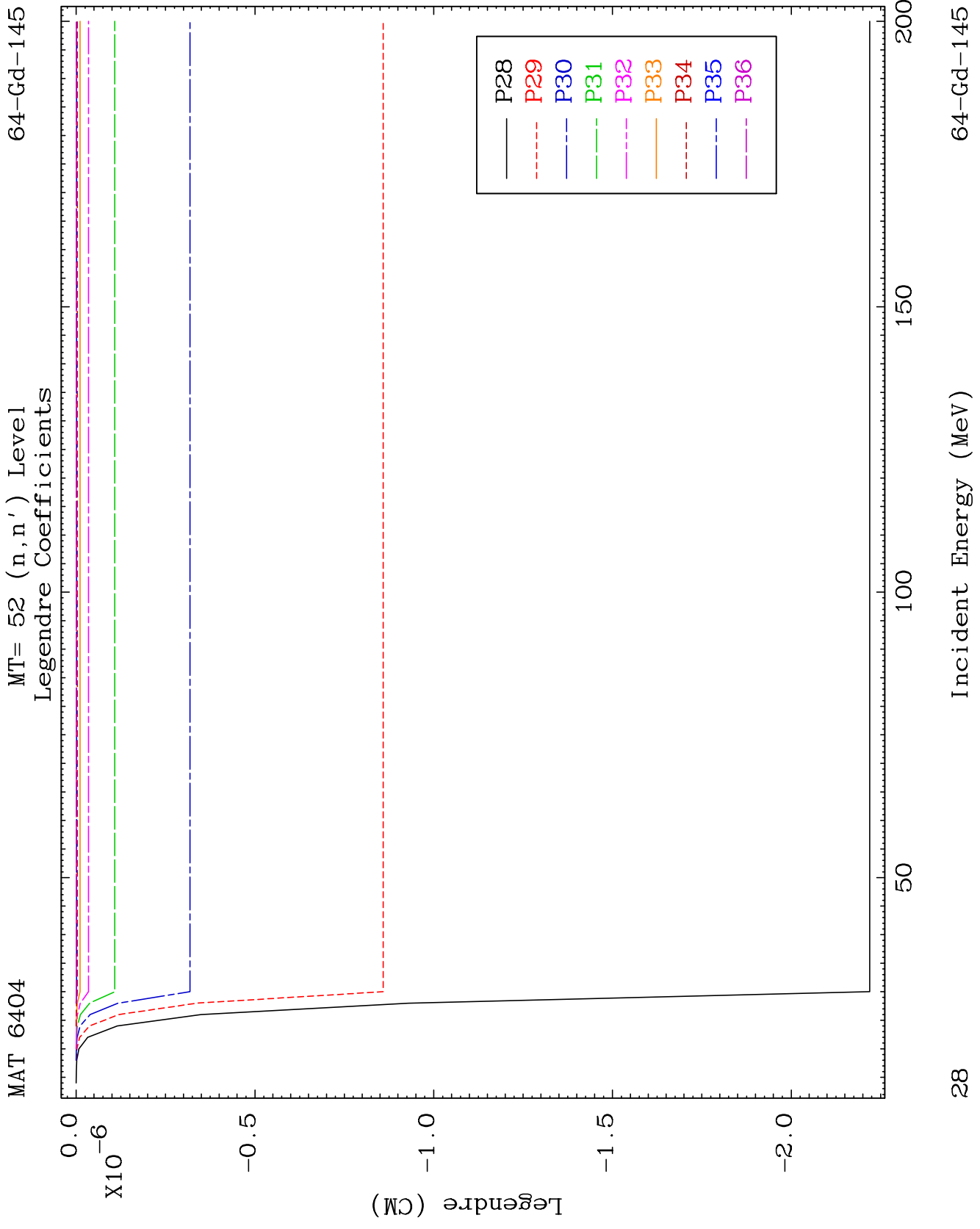
64-Gd-145

MAT 6404

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

64-Gd-145

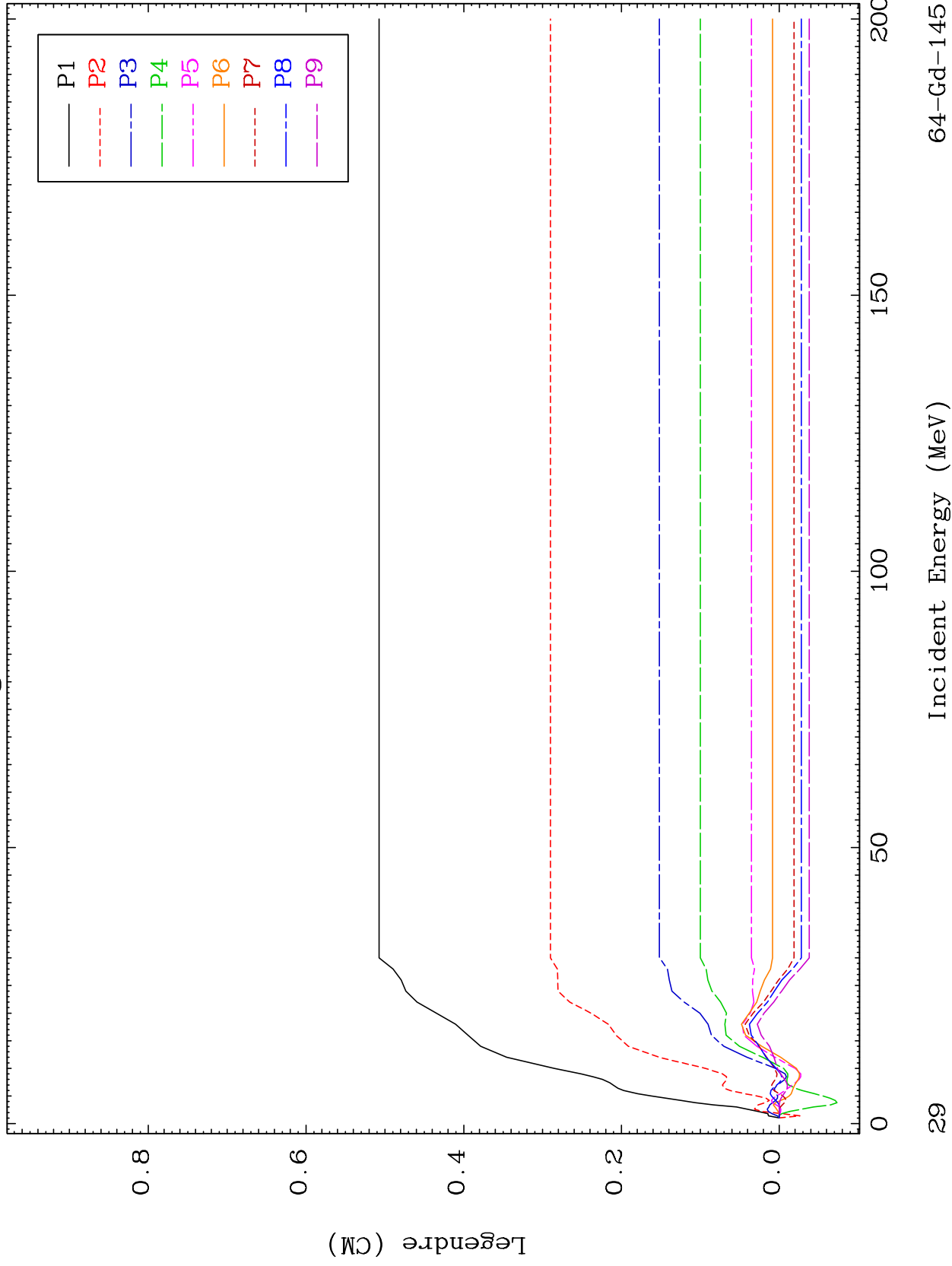




MAT 6404

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

64-Gd-145



29

Incident Energy (MeV)

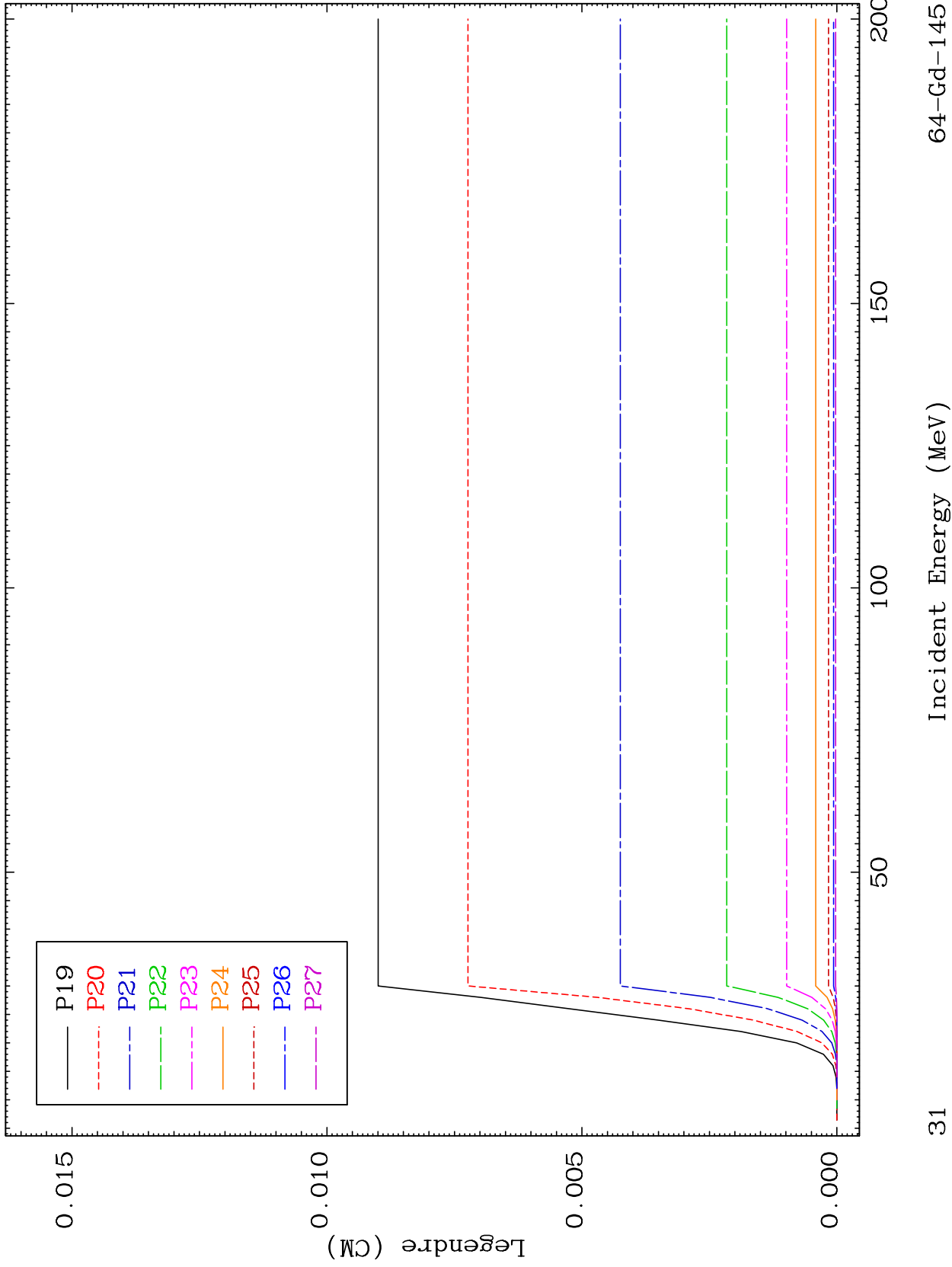
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MAT 6404

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

64-Gd-145



31

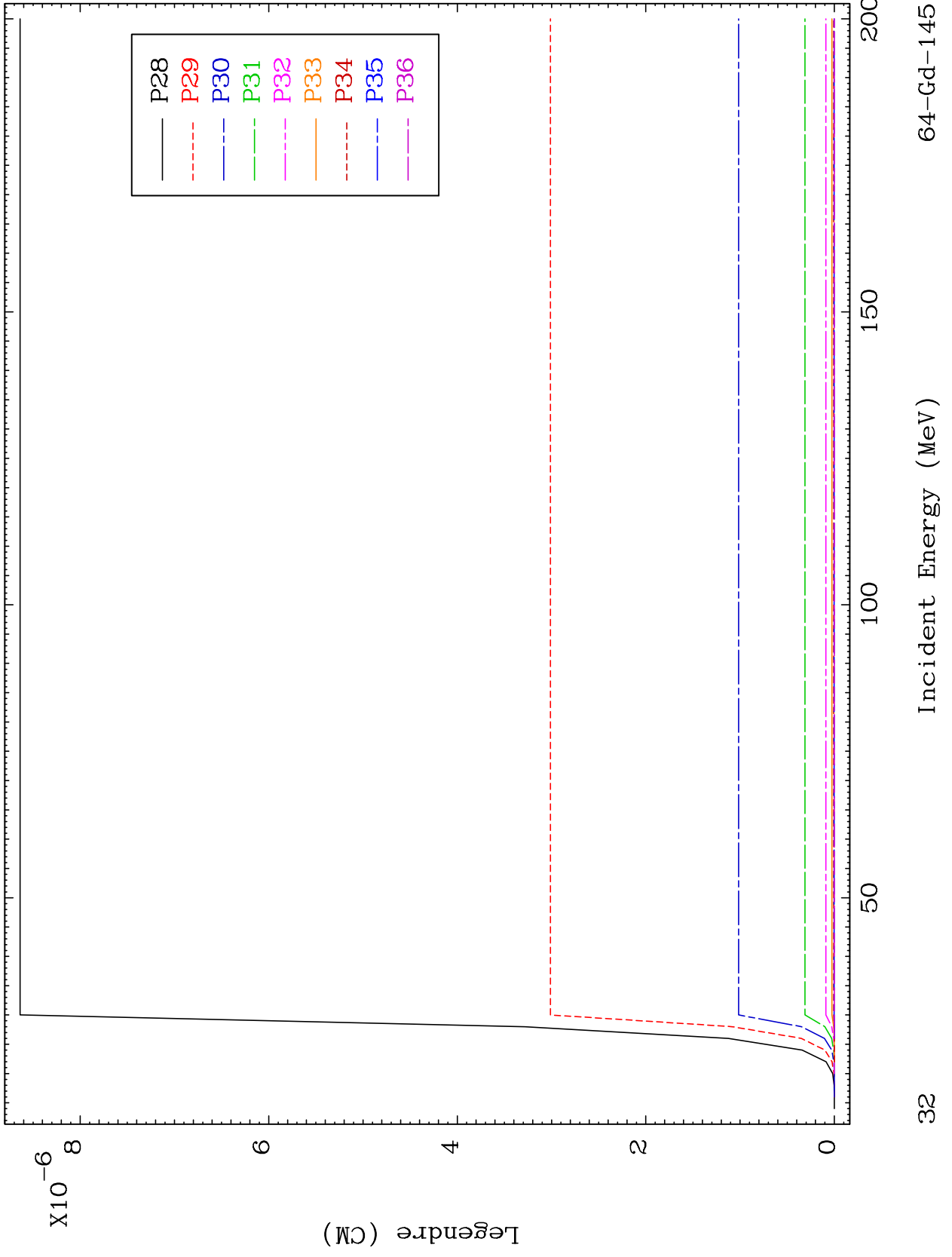
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MAT 6404

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

64-Gd-145



32

Incident Energy (MeV)

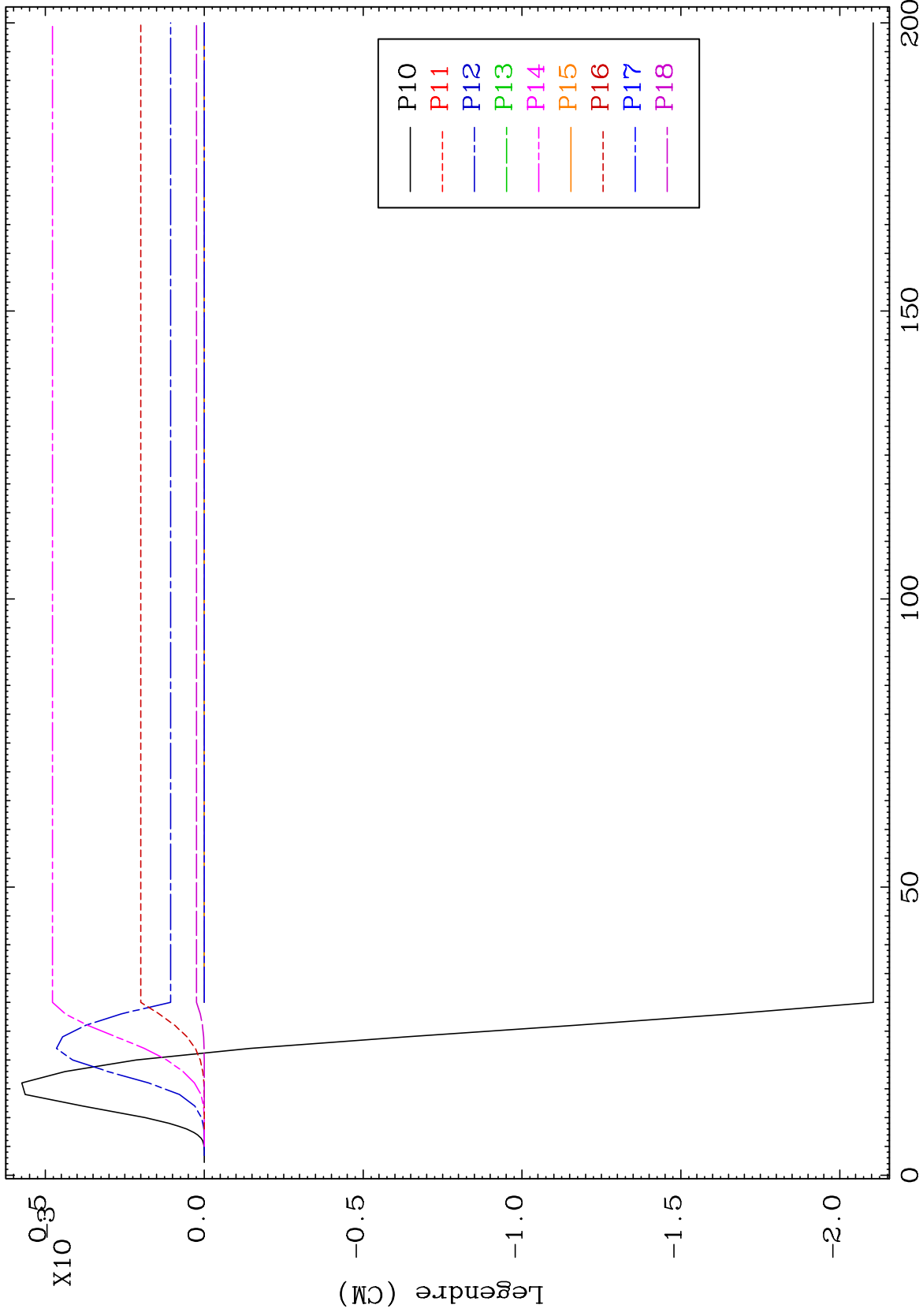
64-Gd-145



MAT 6404

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

64-Gd-145



34

Incident Energy (MeV)

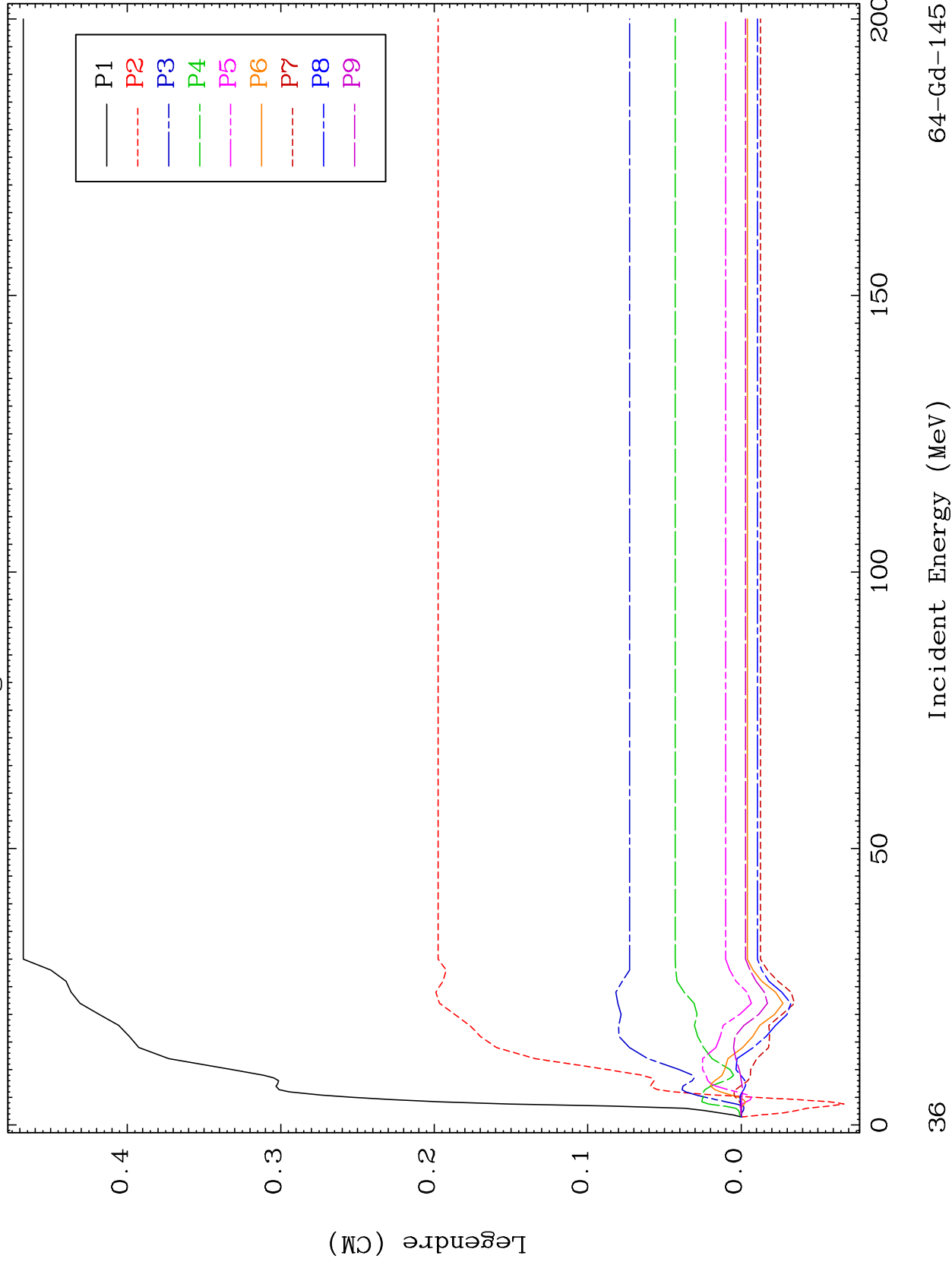
64-Gd-145



MAT 6404

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

64-Gd-145



64-Gd-145

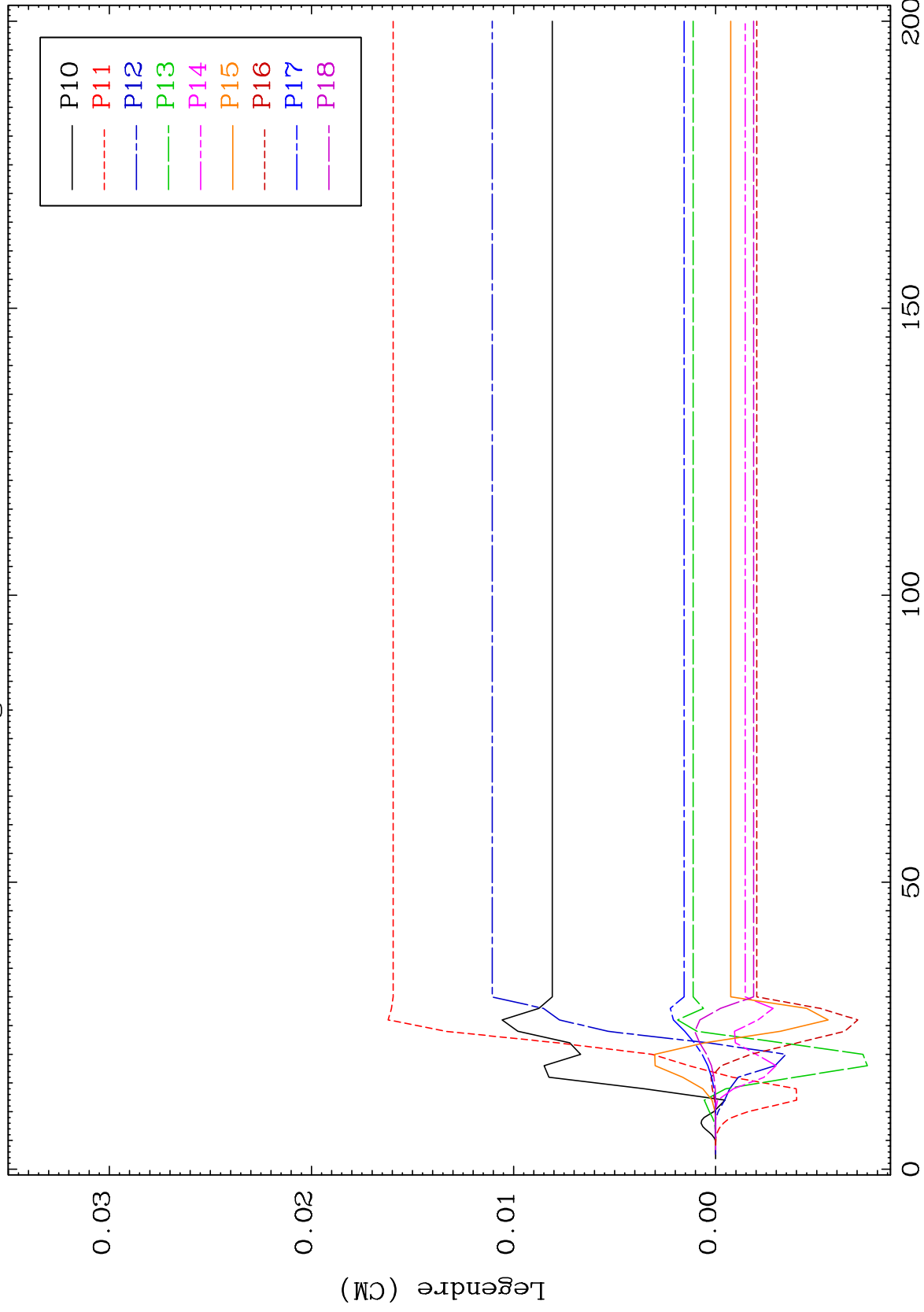
Incident Energy (MeV)

36

MAT 6404

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

64-Gd-145



37

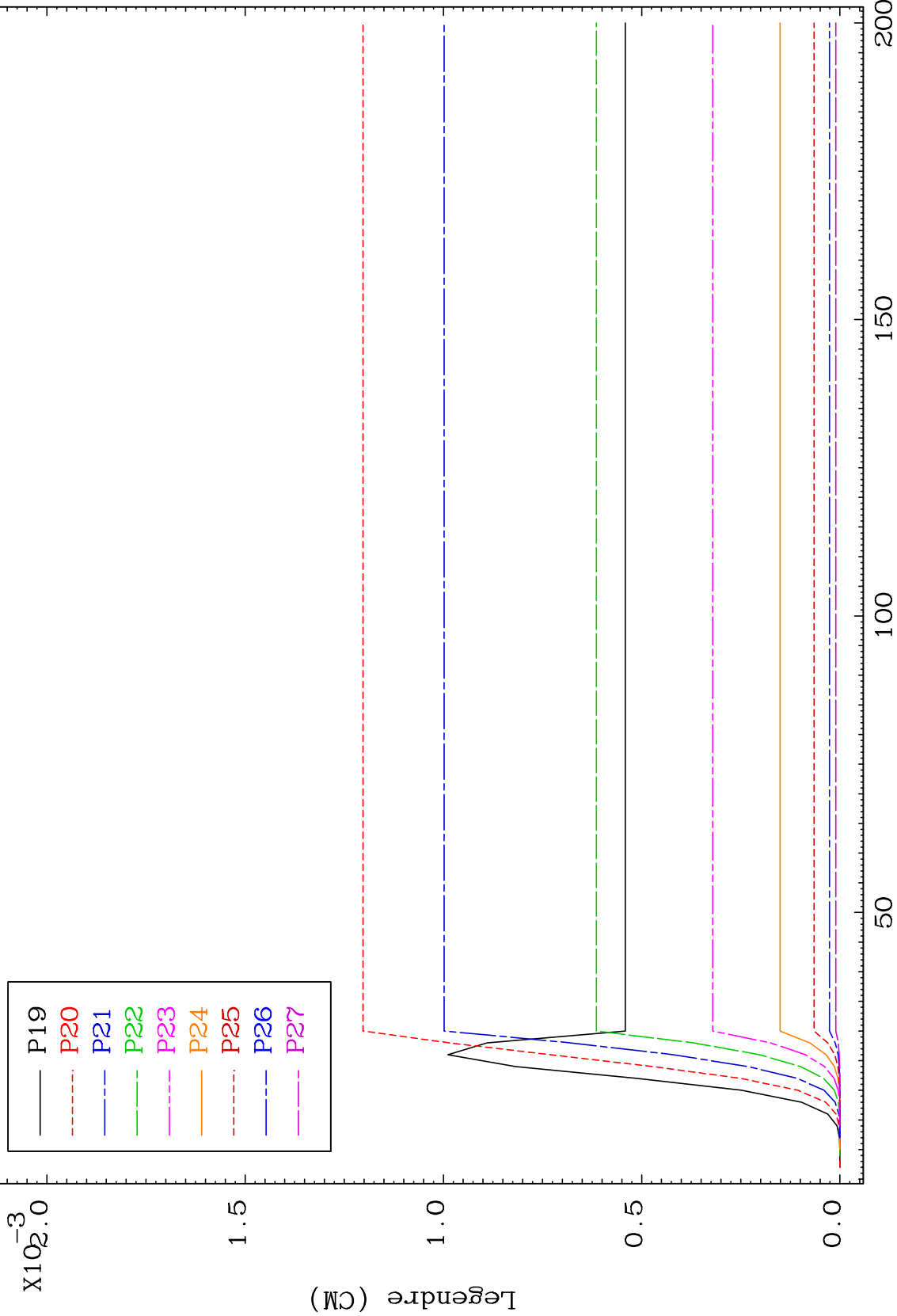
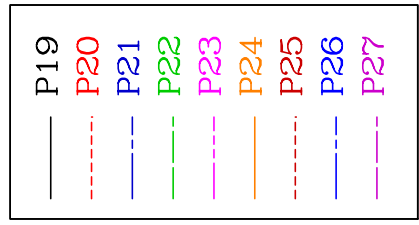
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



38

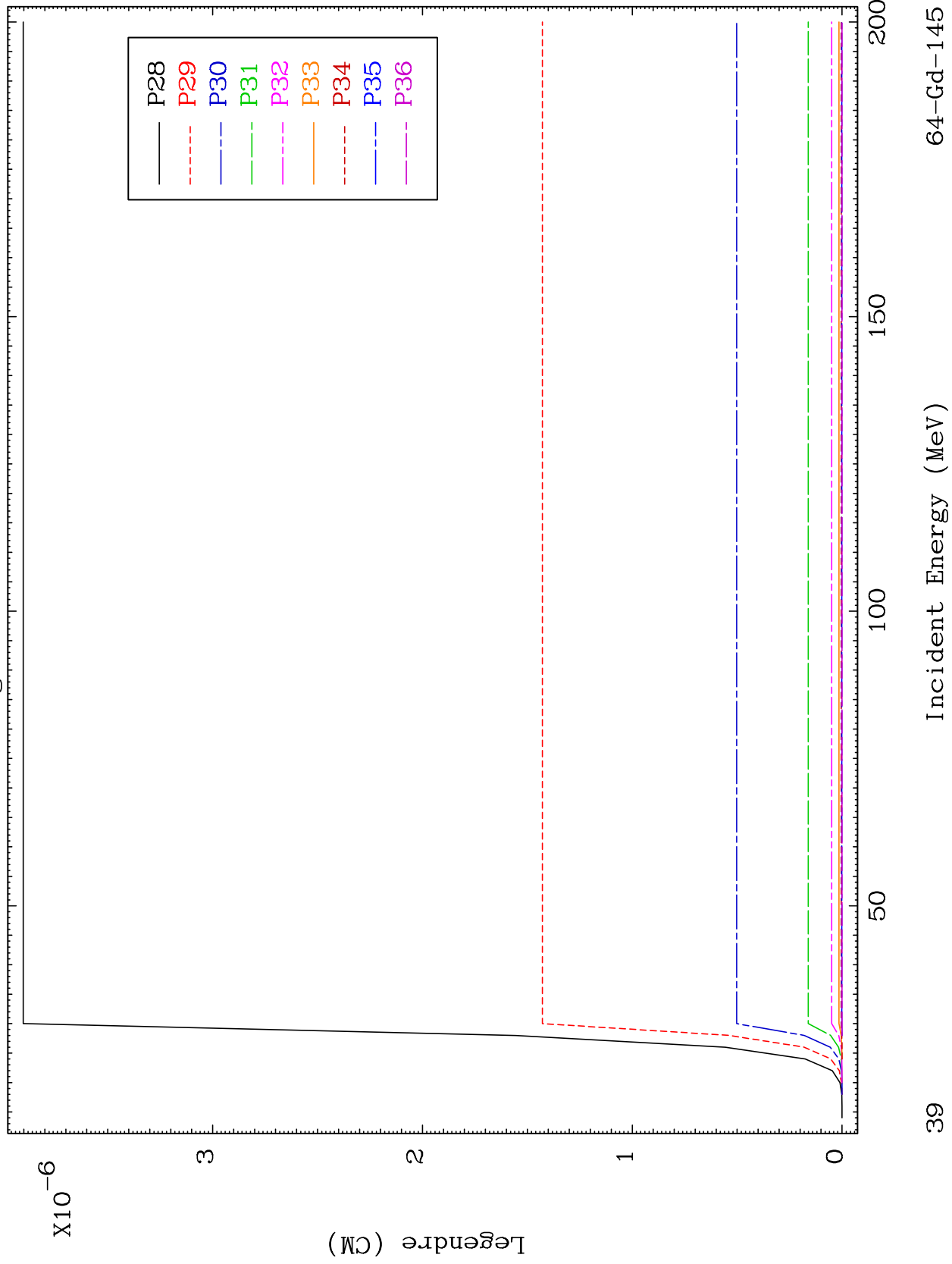
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



39

Incident Energy (MeV)

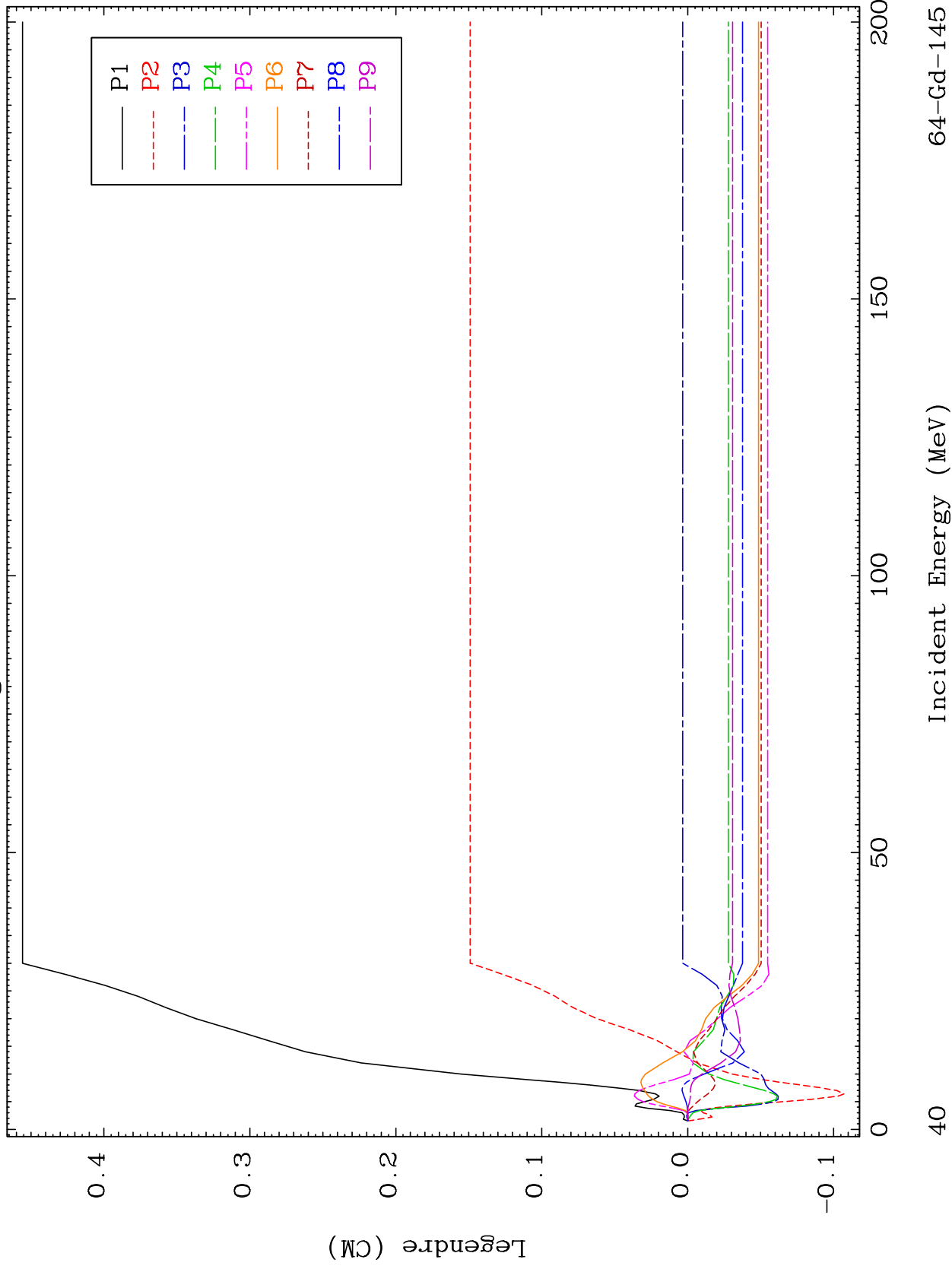
64-Gd-145



MAT 6404

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

64-Gd-145



64-Gd-145

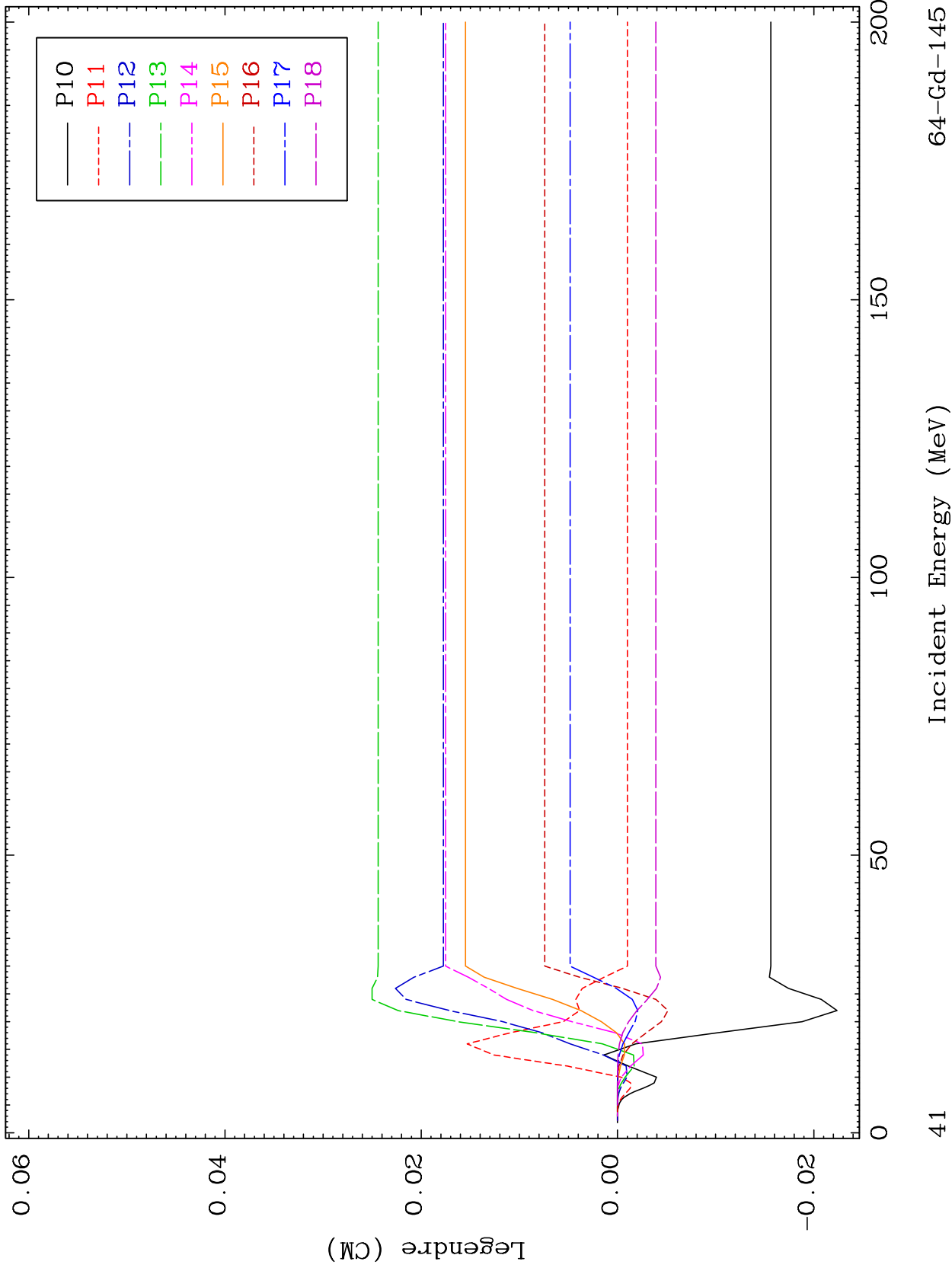
Incident Energy (MeV)

40

MAT 6404

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

64-Gd-145



41

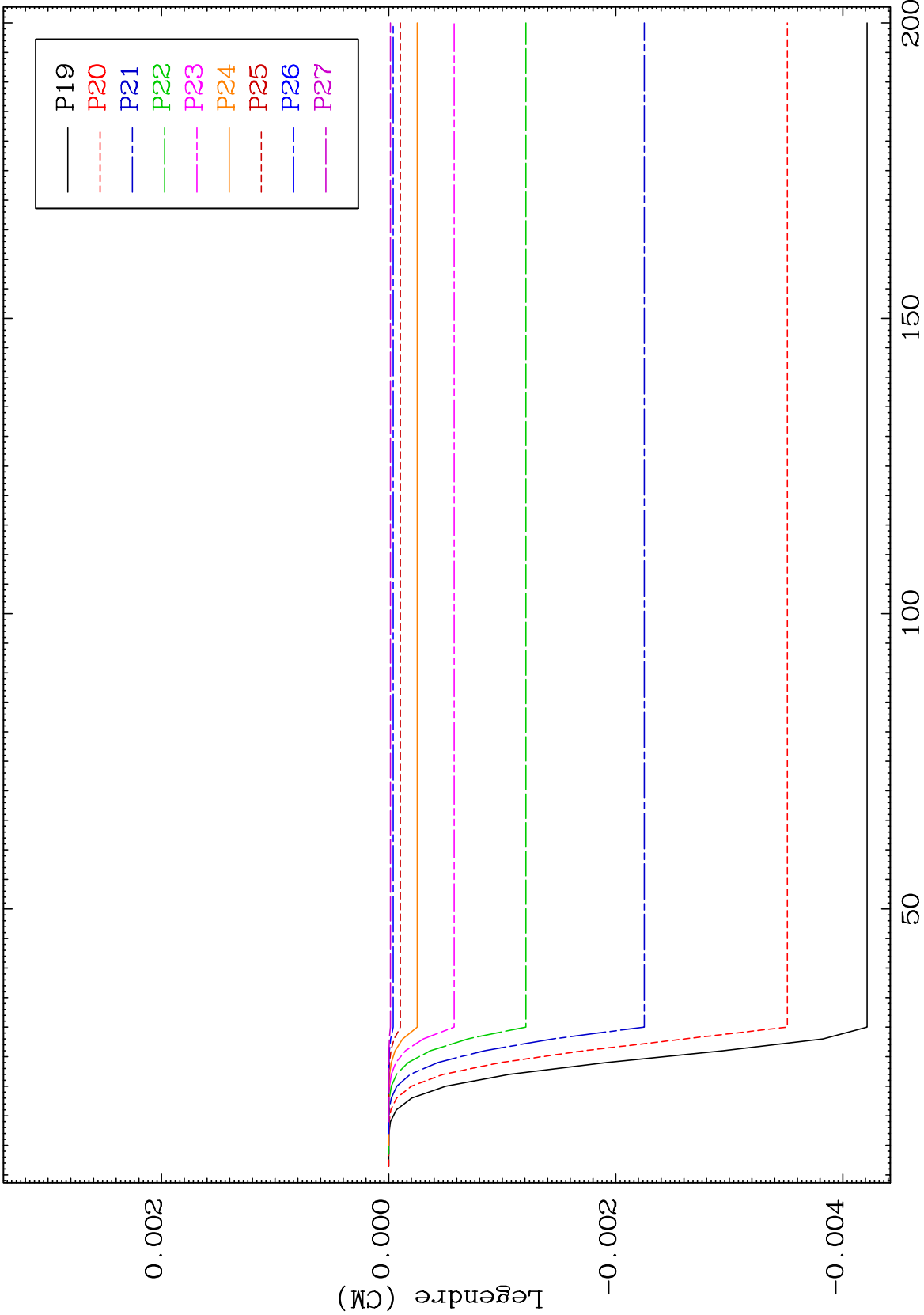
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



42

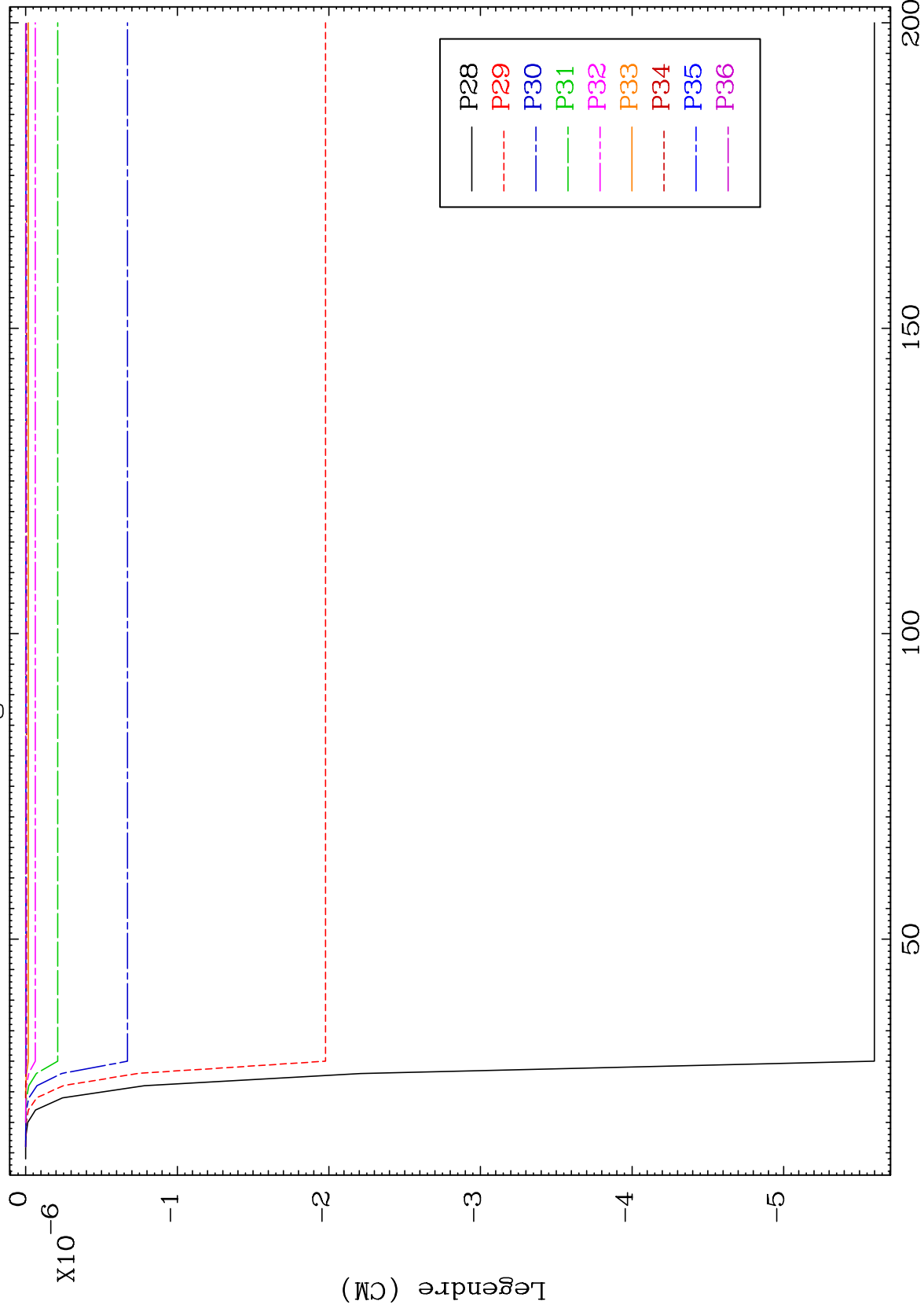
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



43

Incident Energy (MeV)

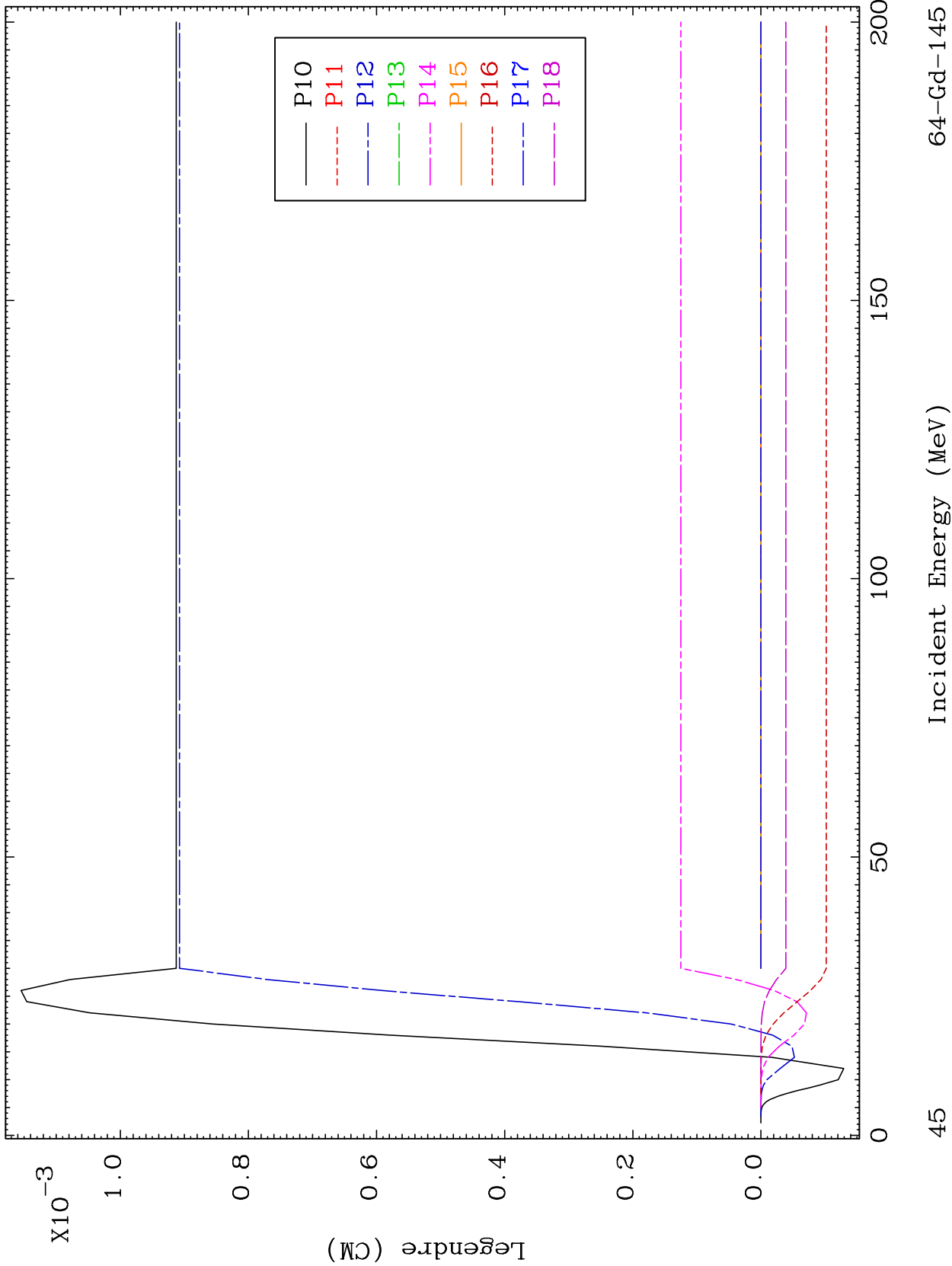
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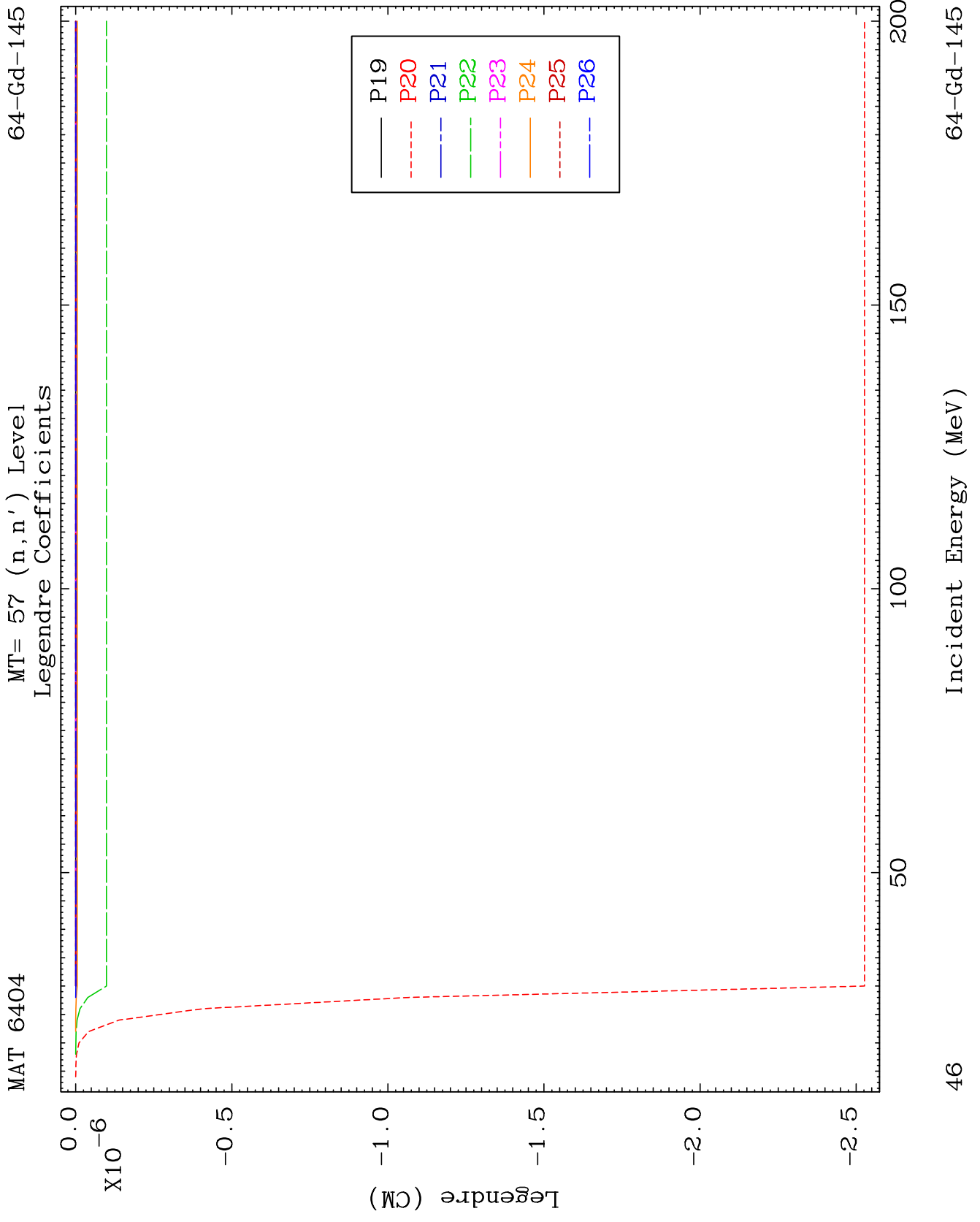
MAT 6404

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

64-Gd-145



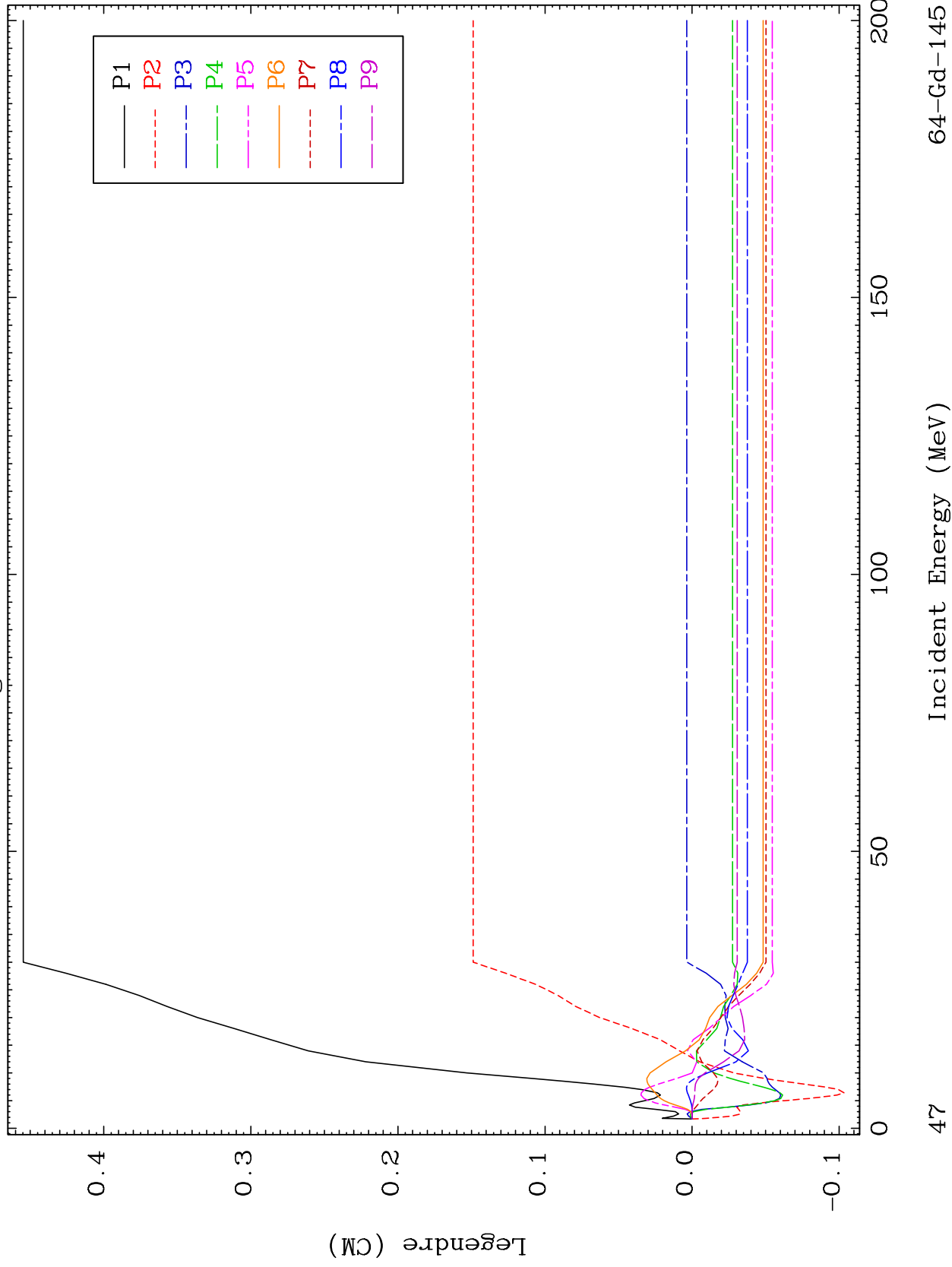
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MAT 6404

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

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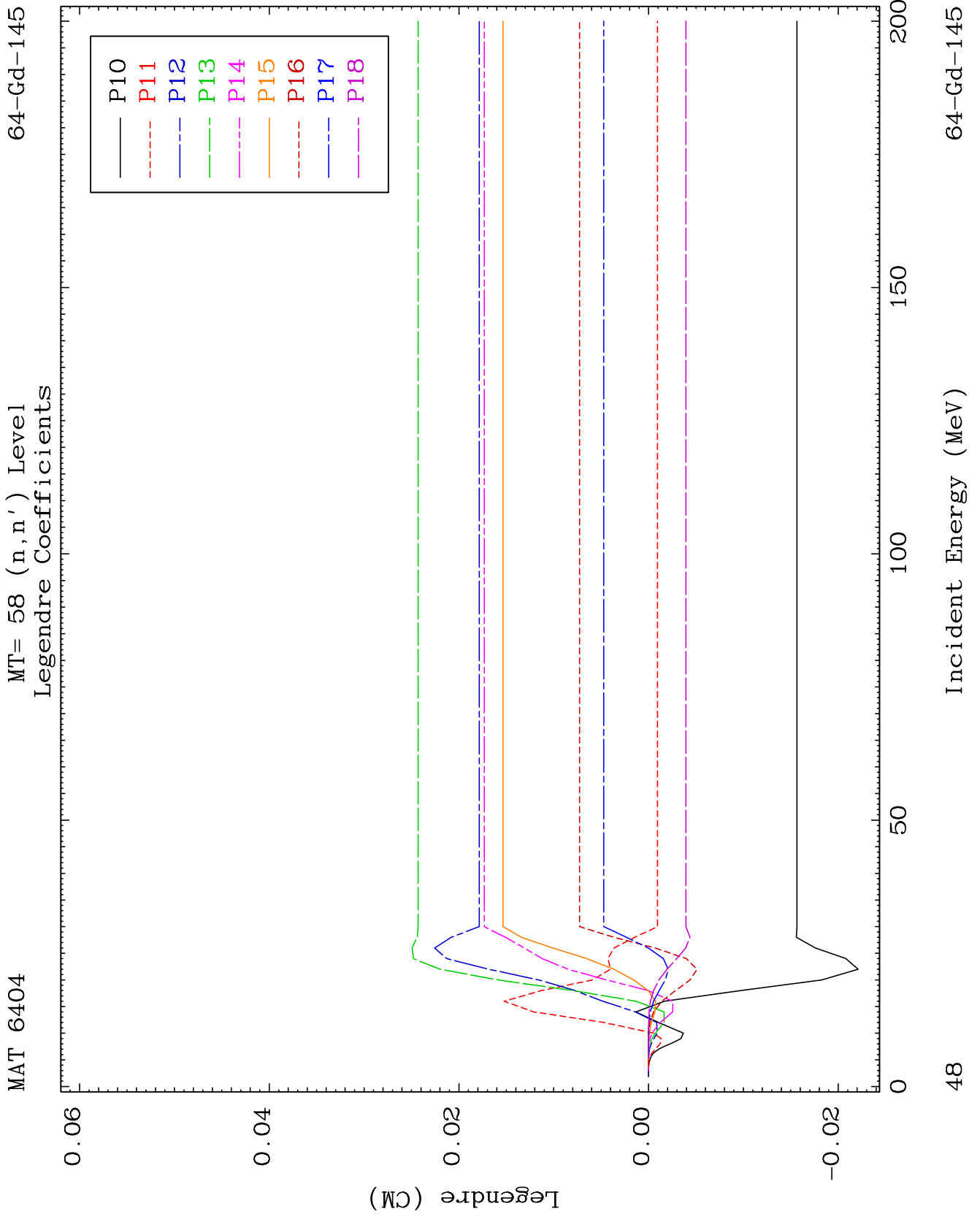


64-Gd-145

Incident Energy (MeV)

47

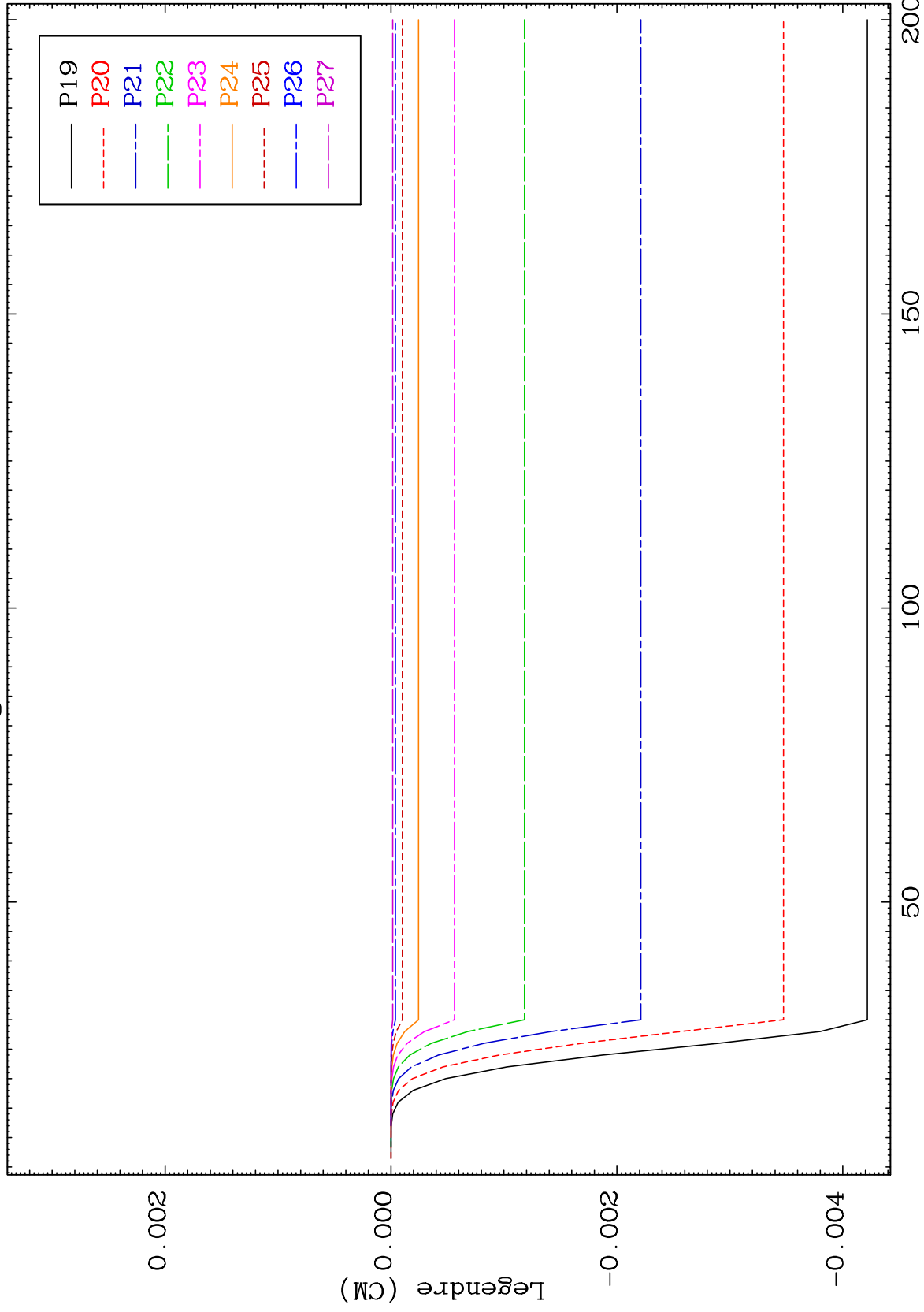




MAT 6404

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

64-Gd-145



49

Incident Energy (MeV)

64-Gd-145

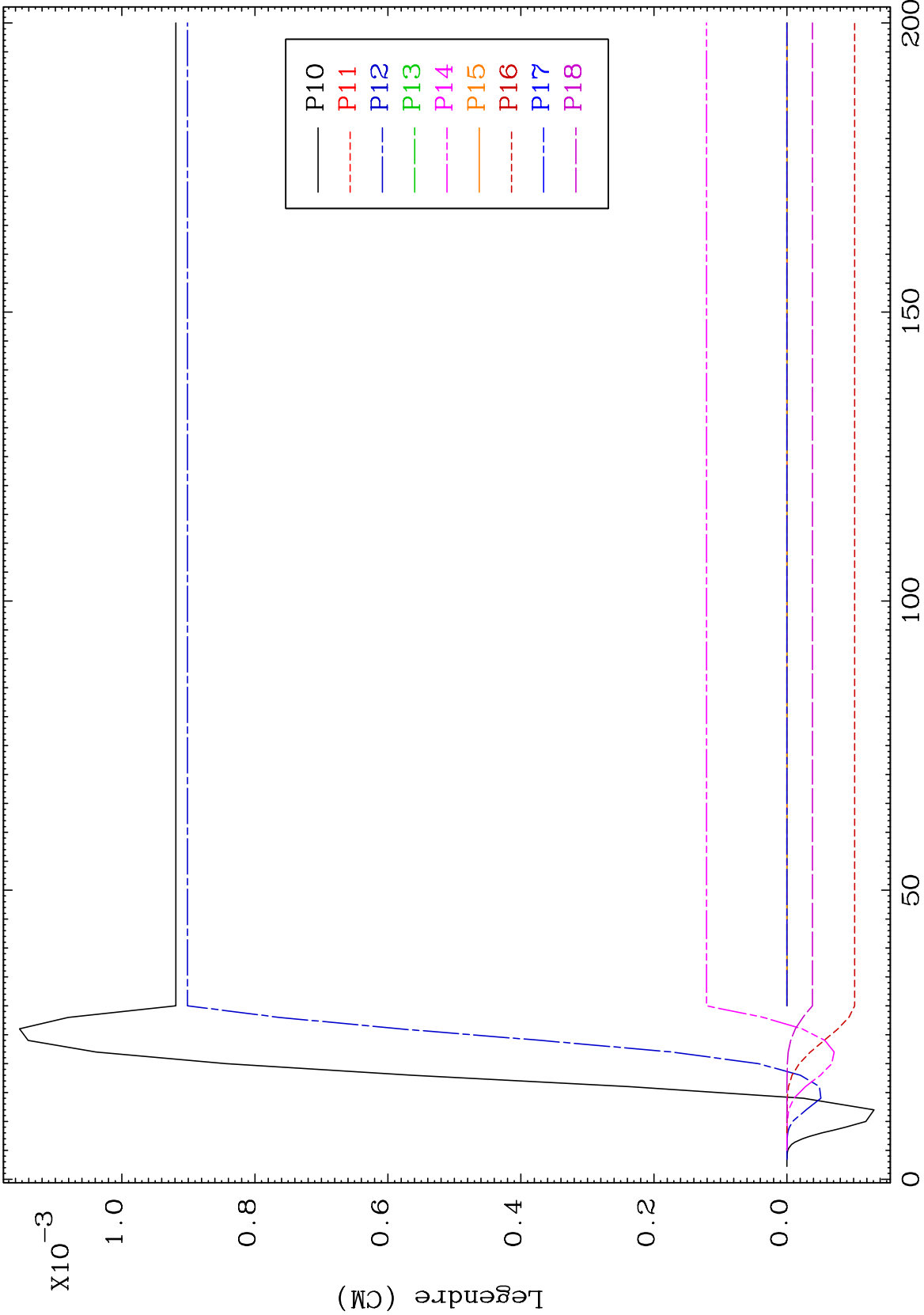




MAT 6404

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

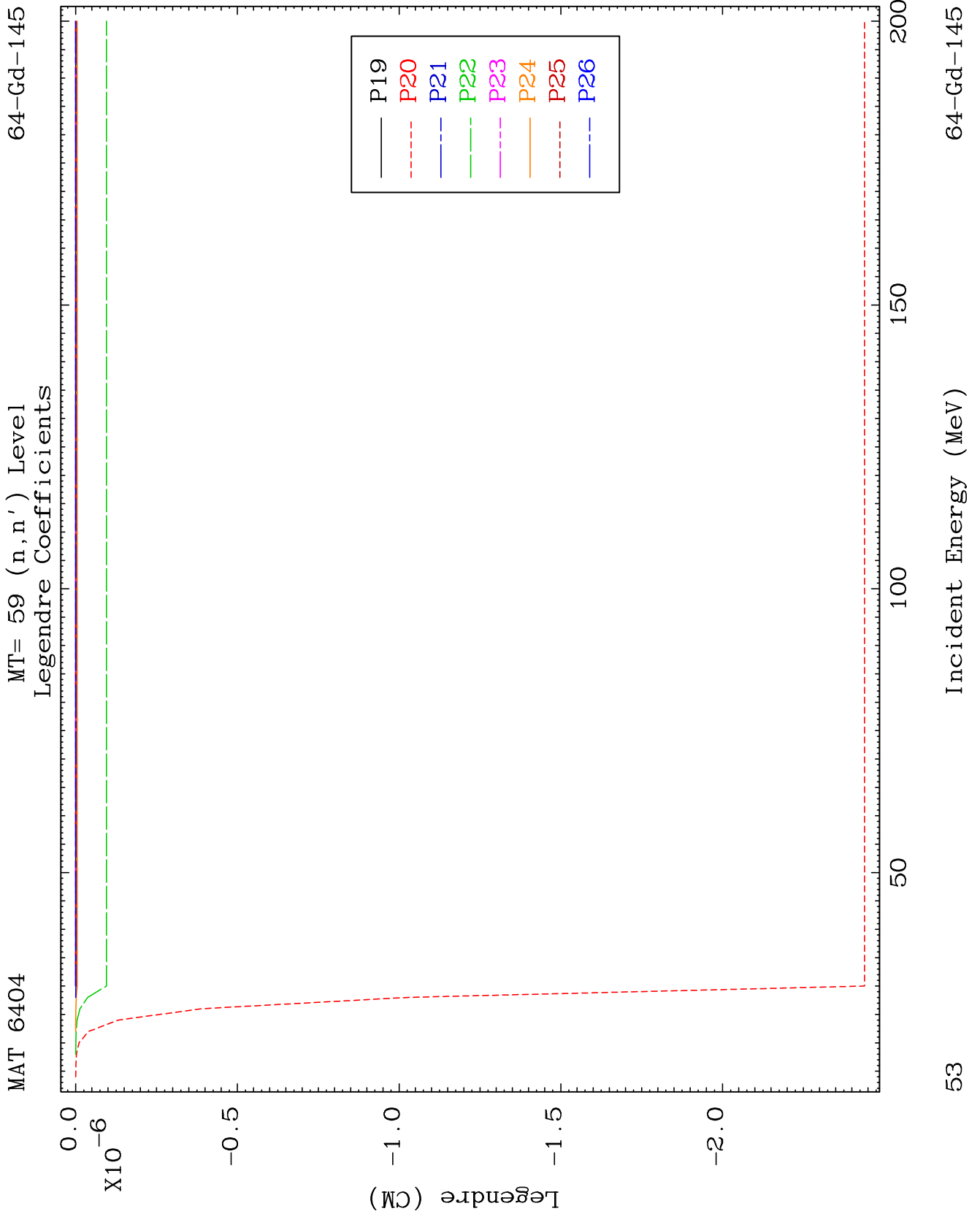
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52

Incident Energy (MeV)

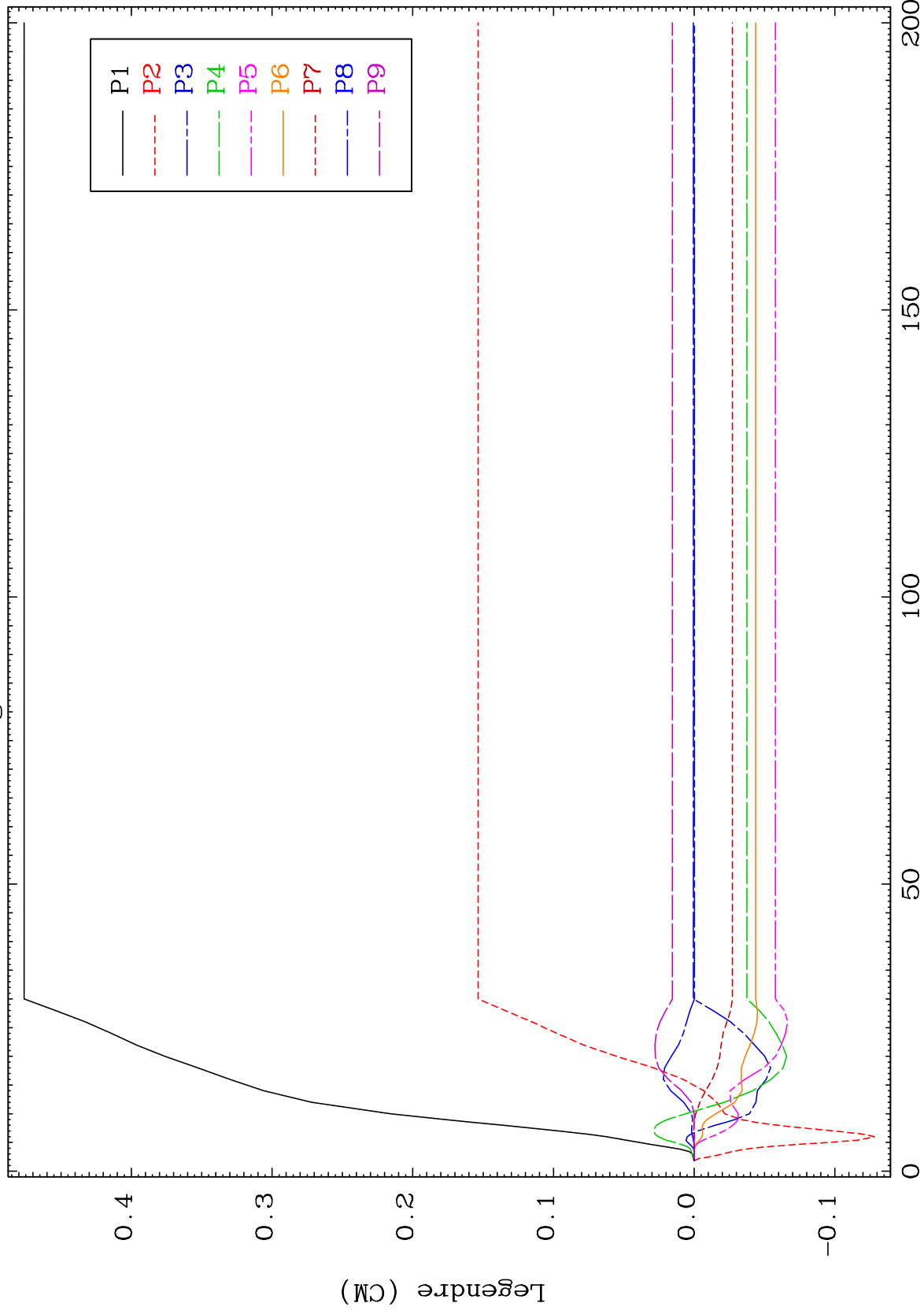
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MAT 6404

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

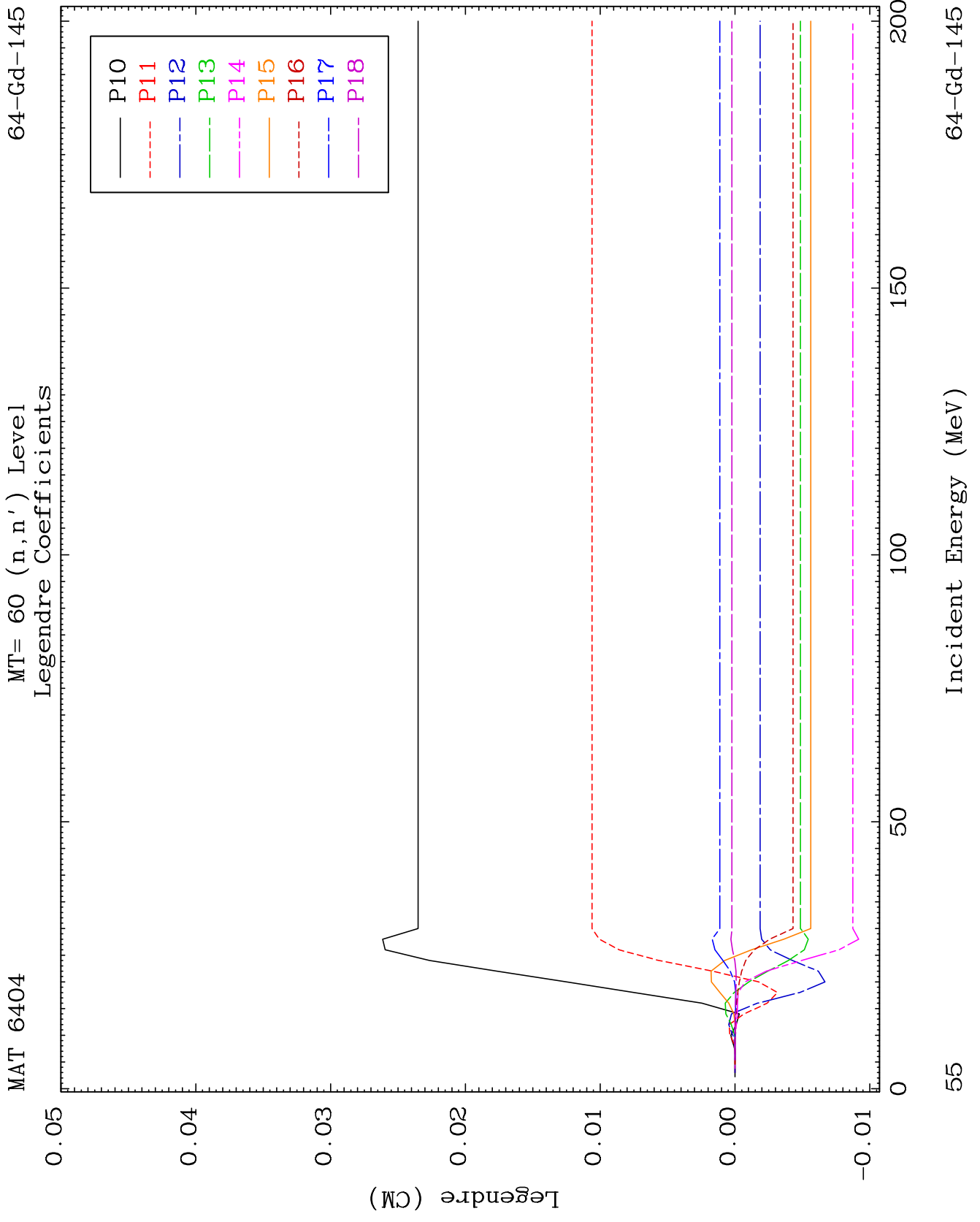
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54

Incident Energy (MeV)

64-Gd-145

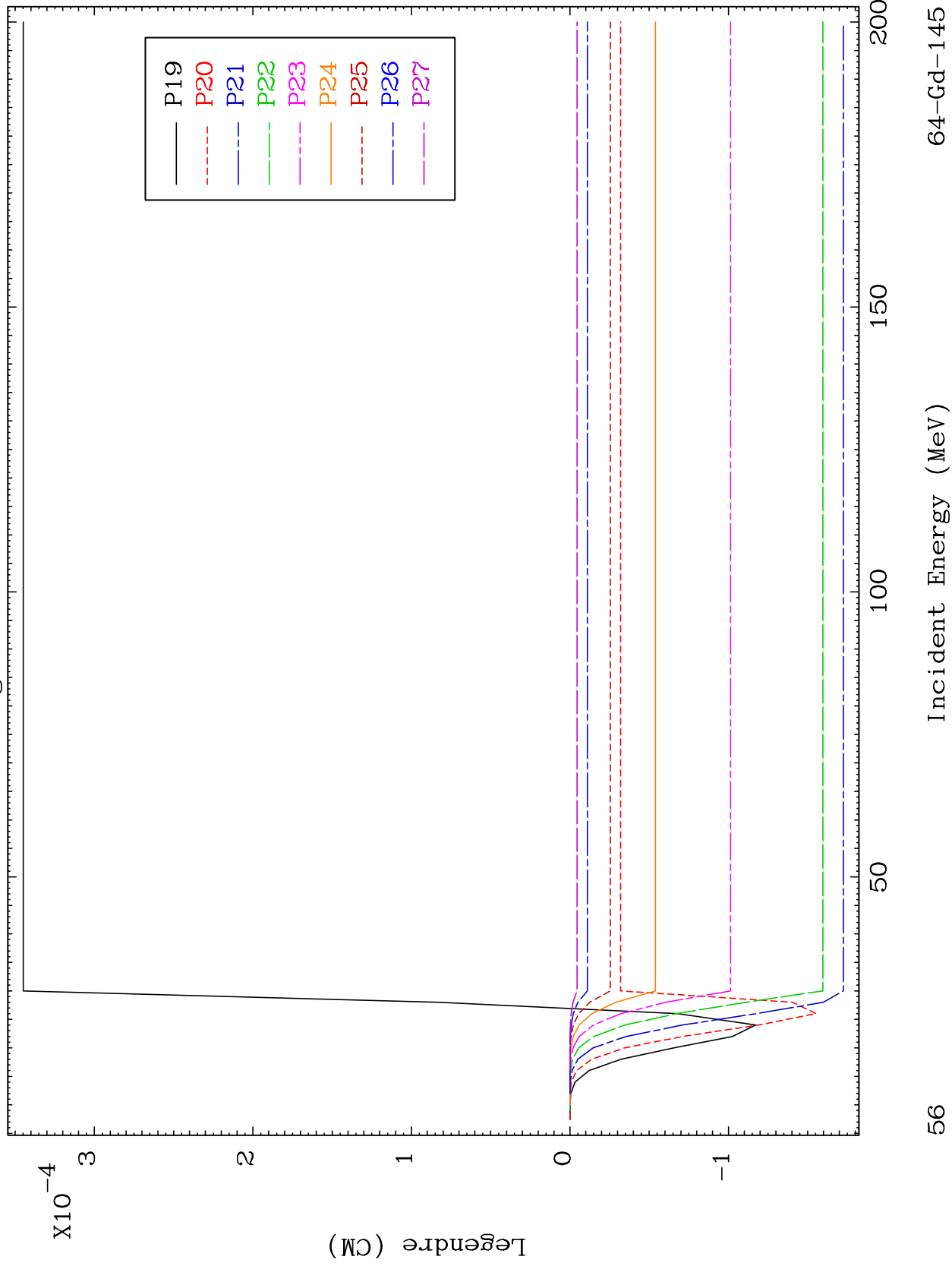




MAT 6404

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

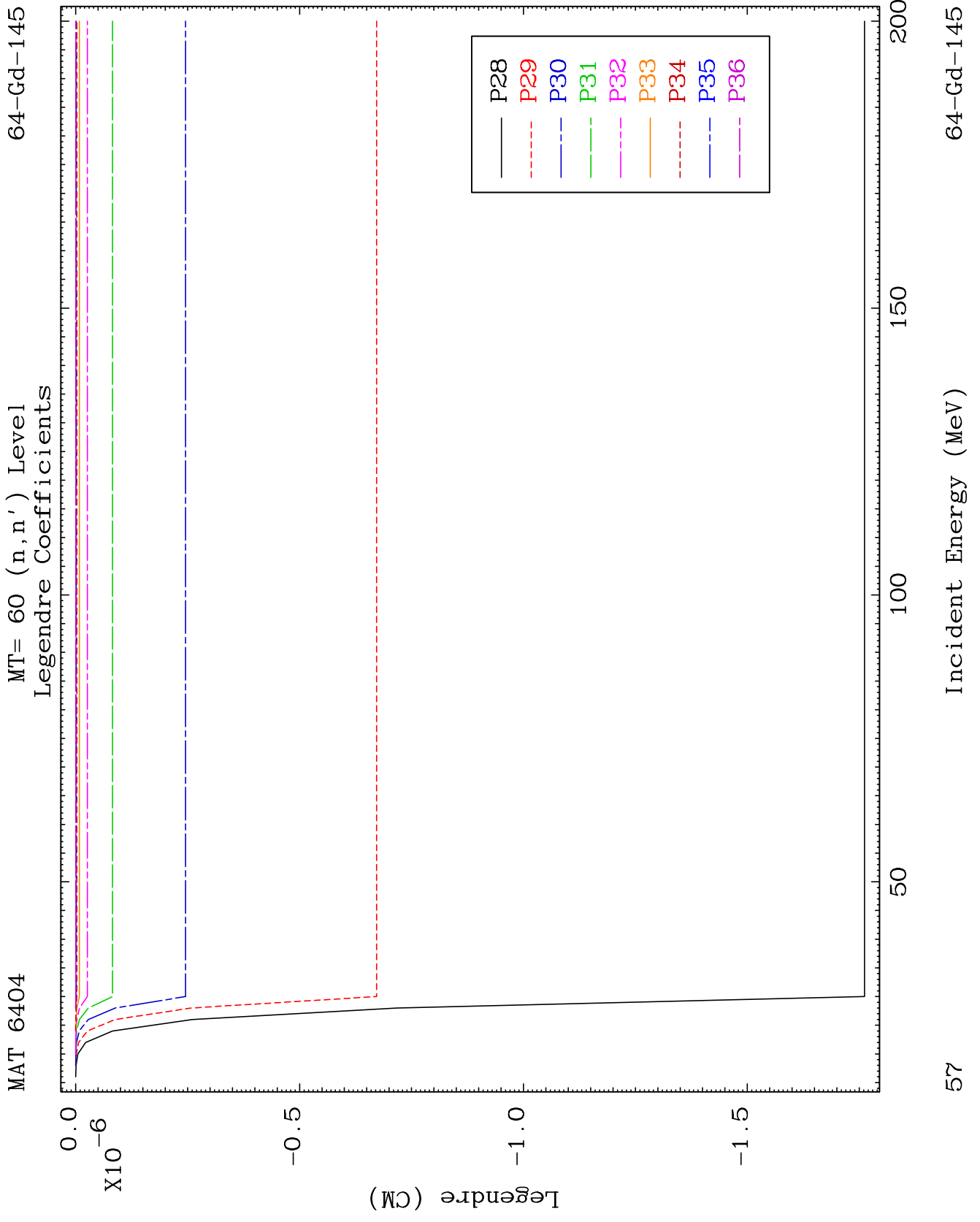
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56

Incident Energy (MeV)

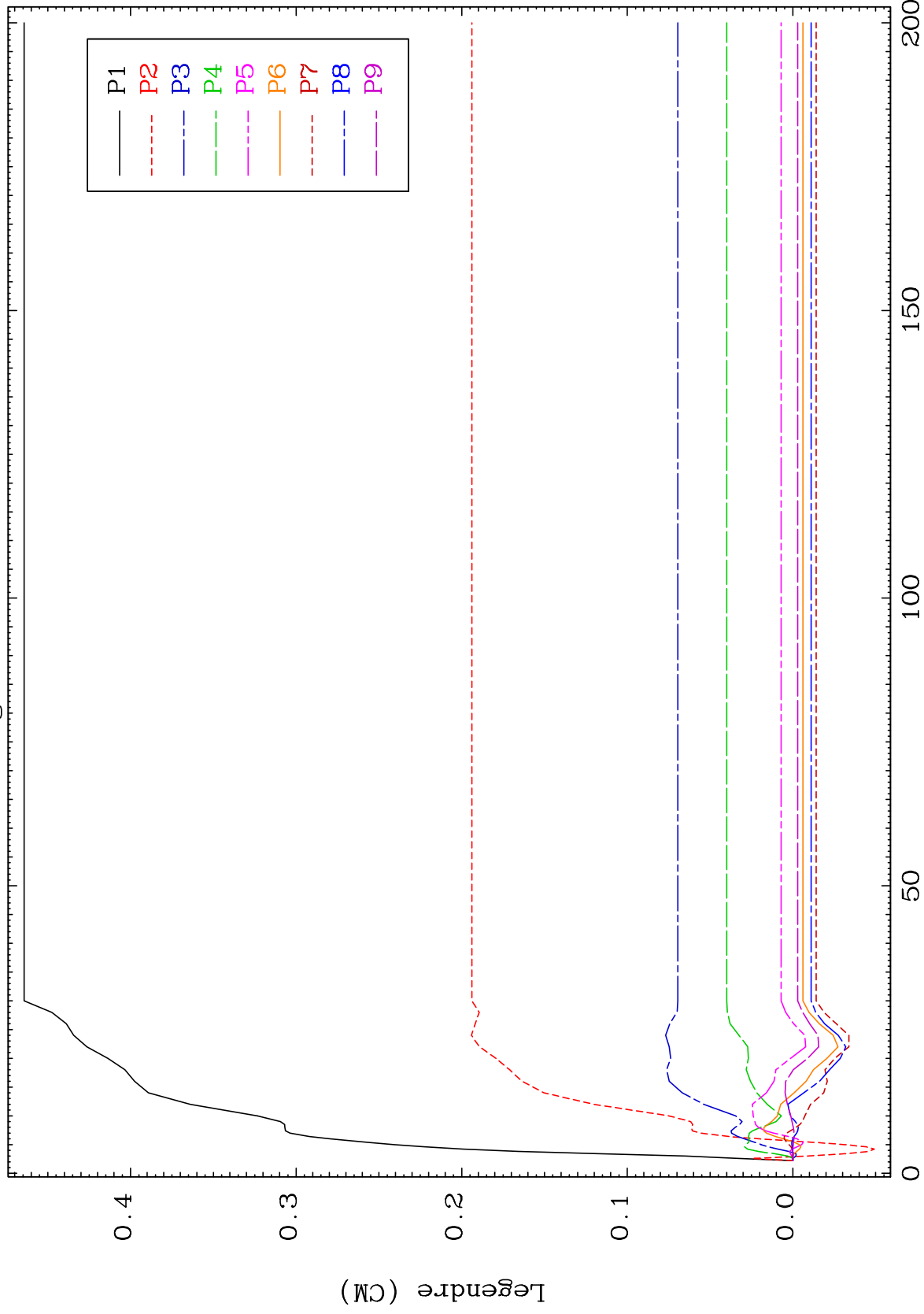
64-Gd-145



MAT 6404

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

64-Gd-145



58

Incident Energy (MeV)

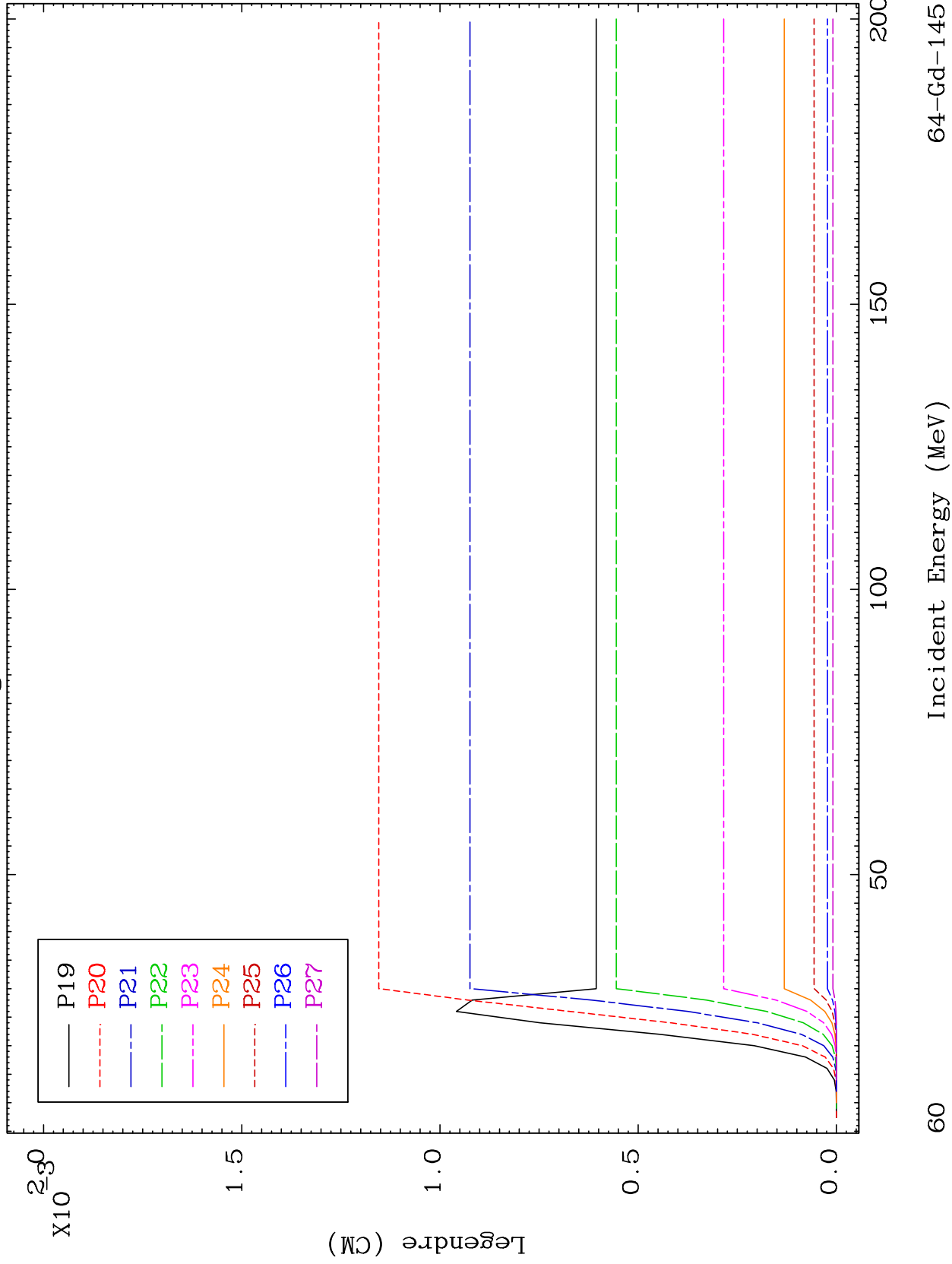
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MAT 6404

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

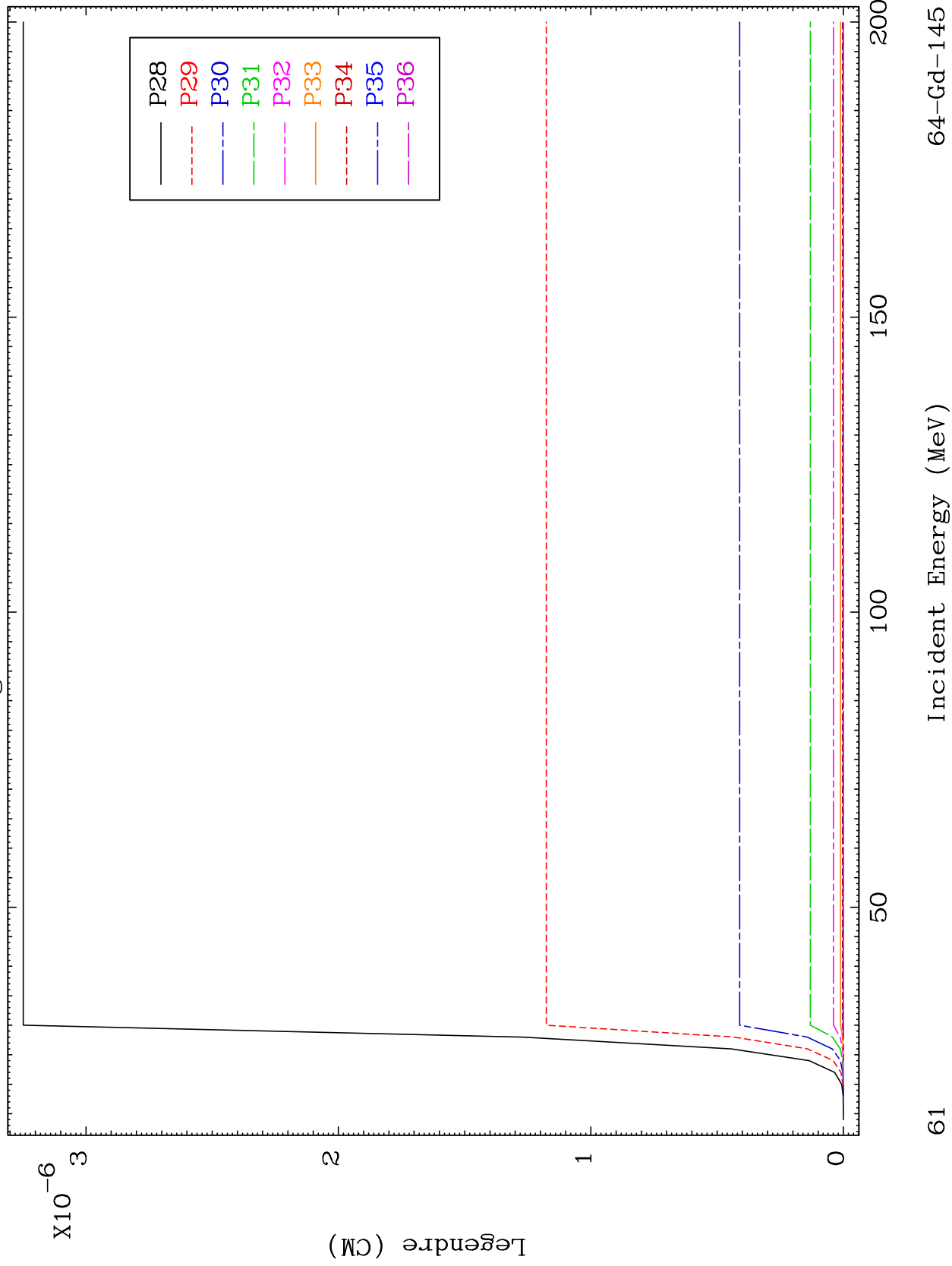
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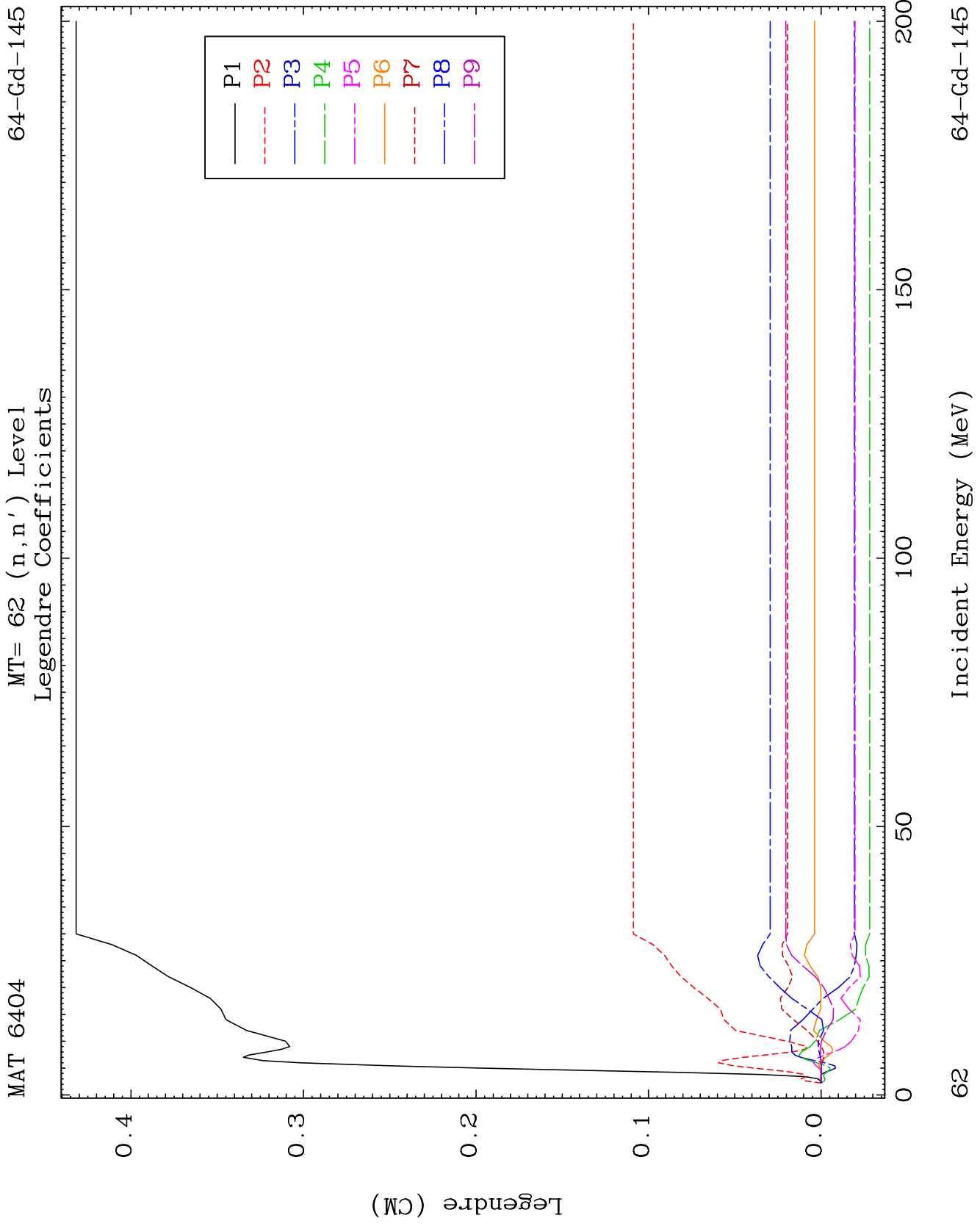


MAT 6404

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

64-Gd-145

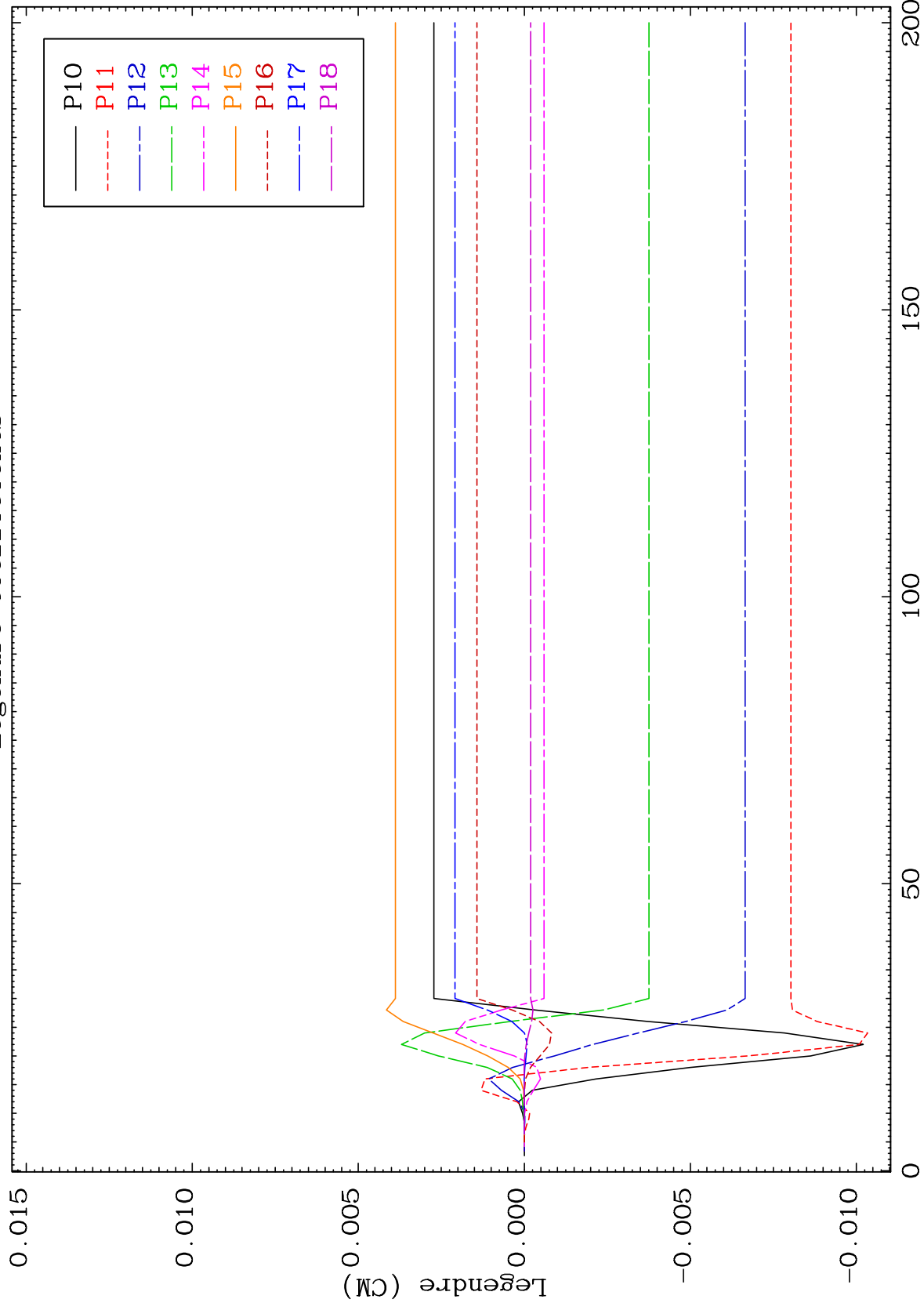




MAT 6404

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

64-Gd-145

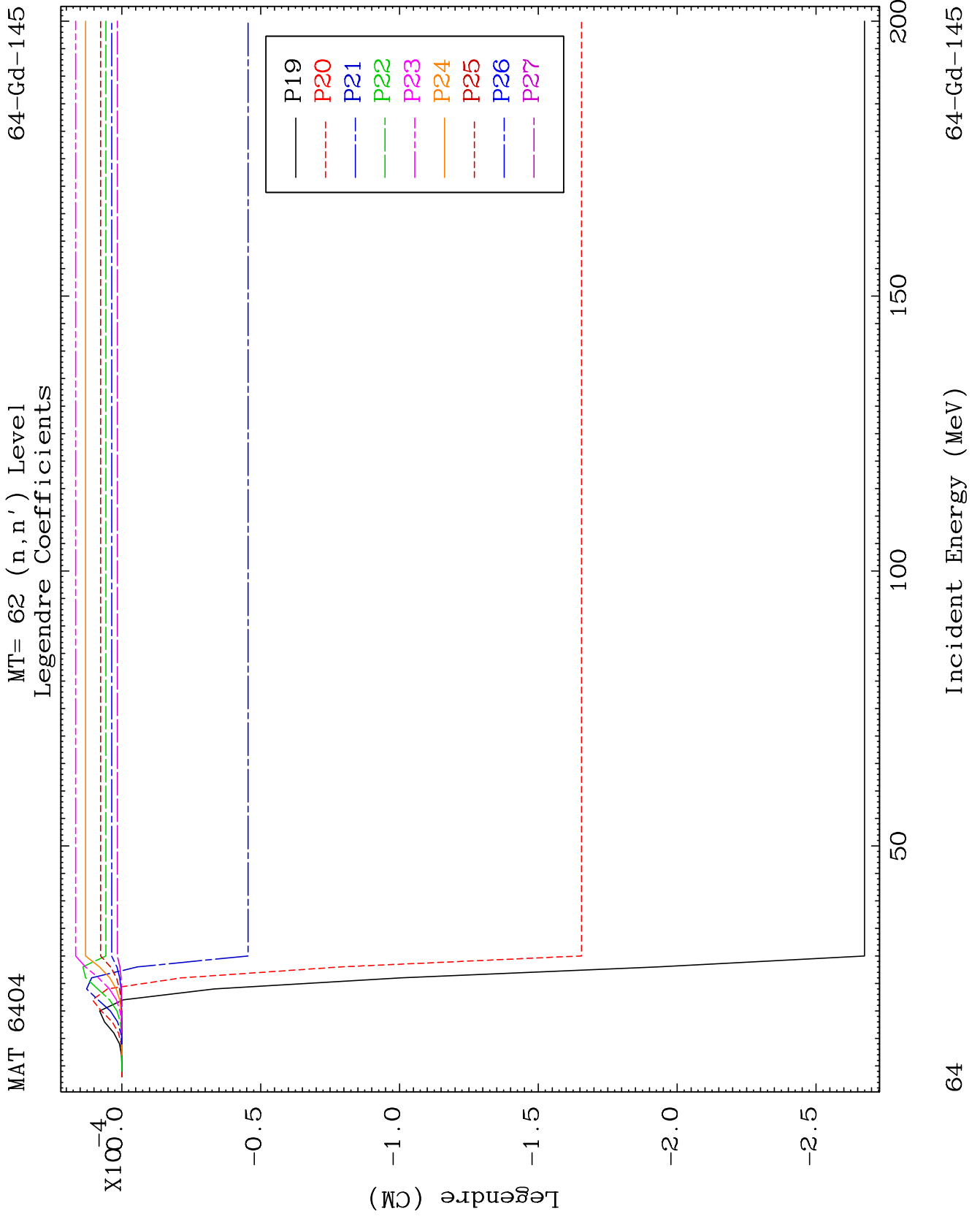


63

Incident Energy (MeV)

64-Gd-145

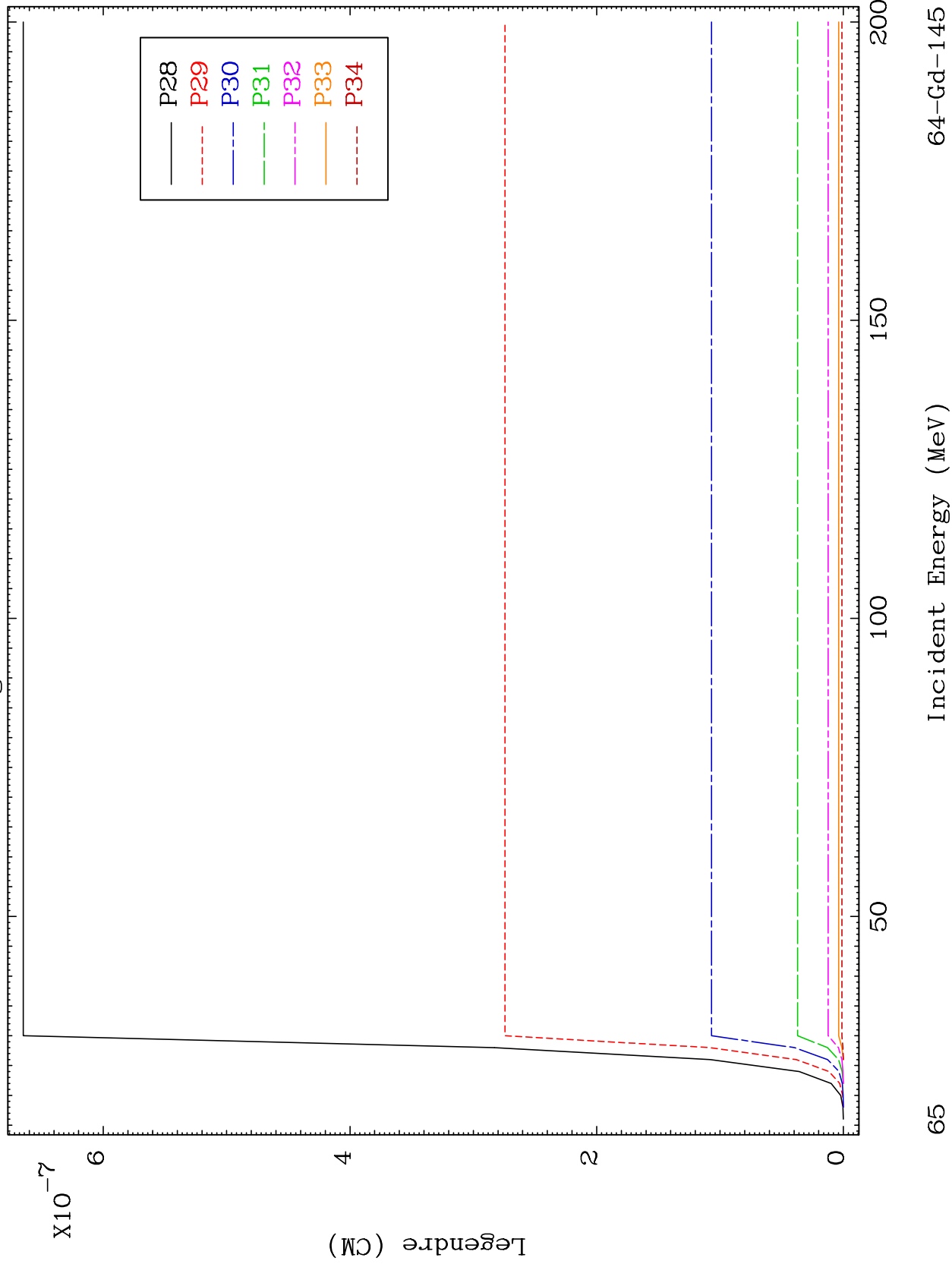




MAT 6404

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

64-Gd-145

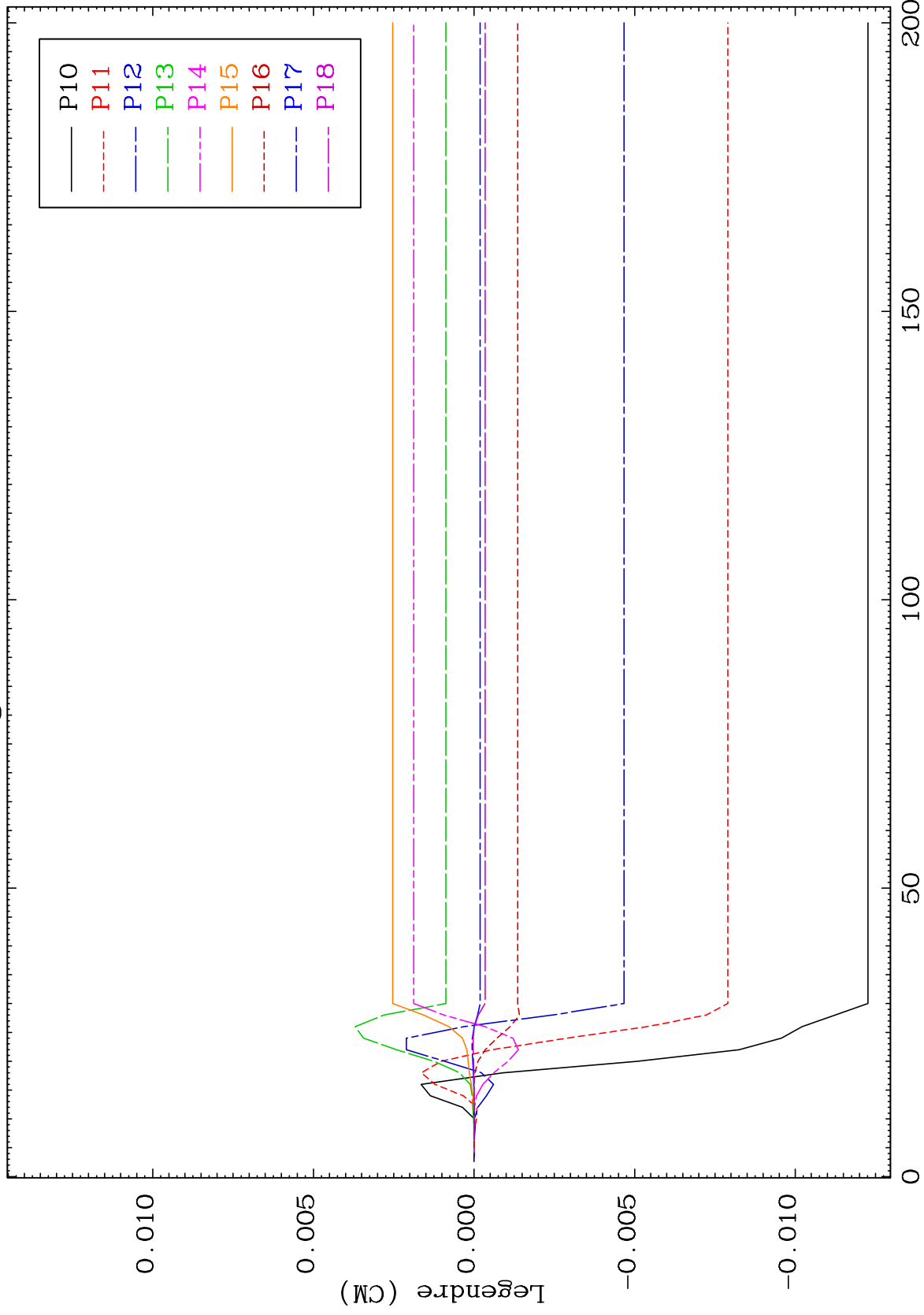




MAT 6404

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

64-Gd-145



67

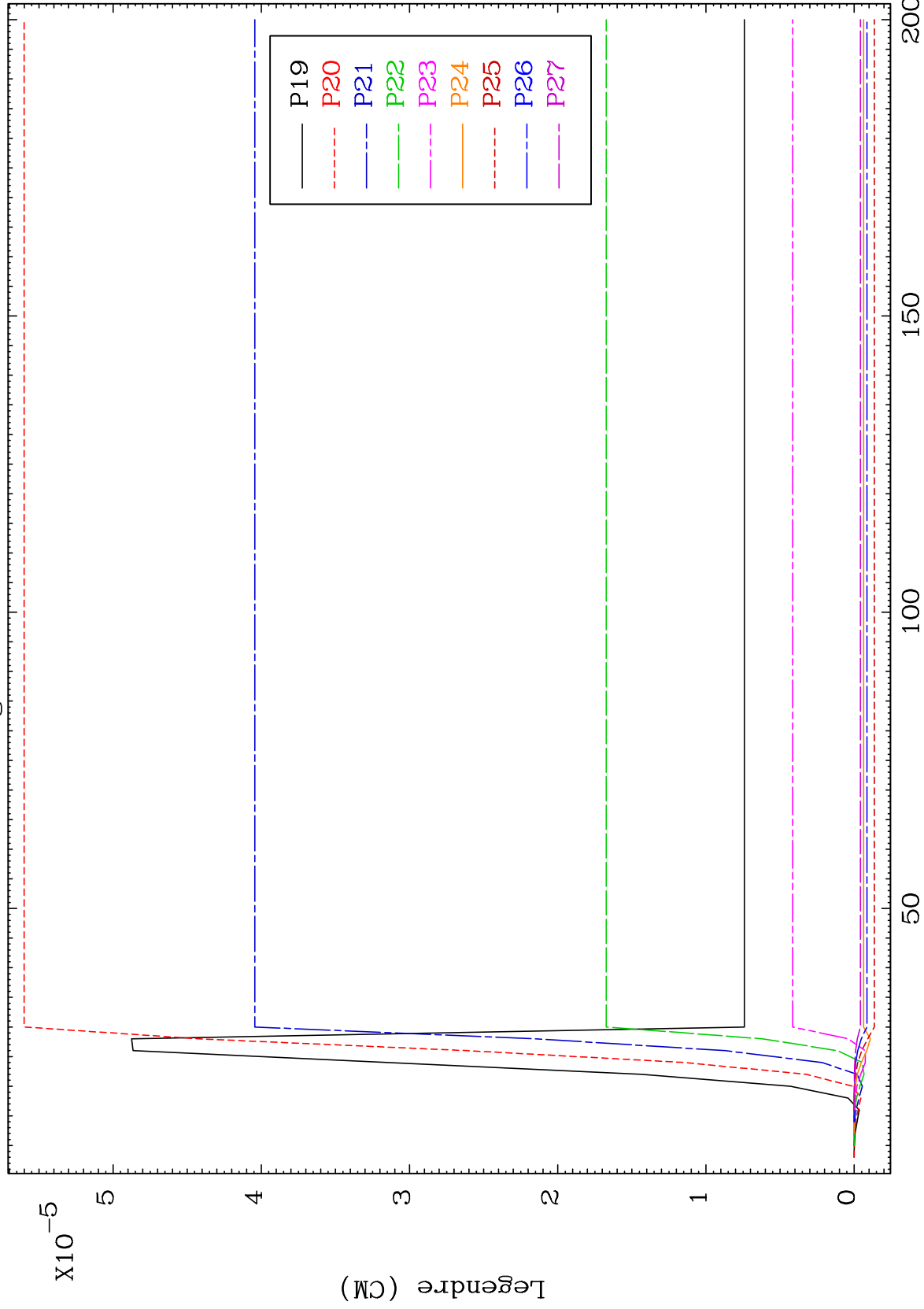
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

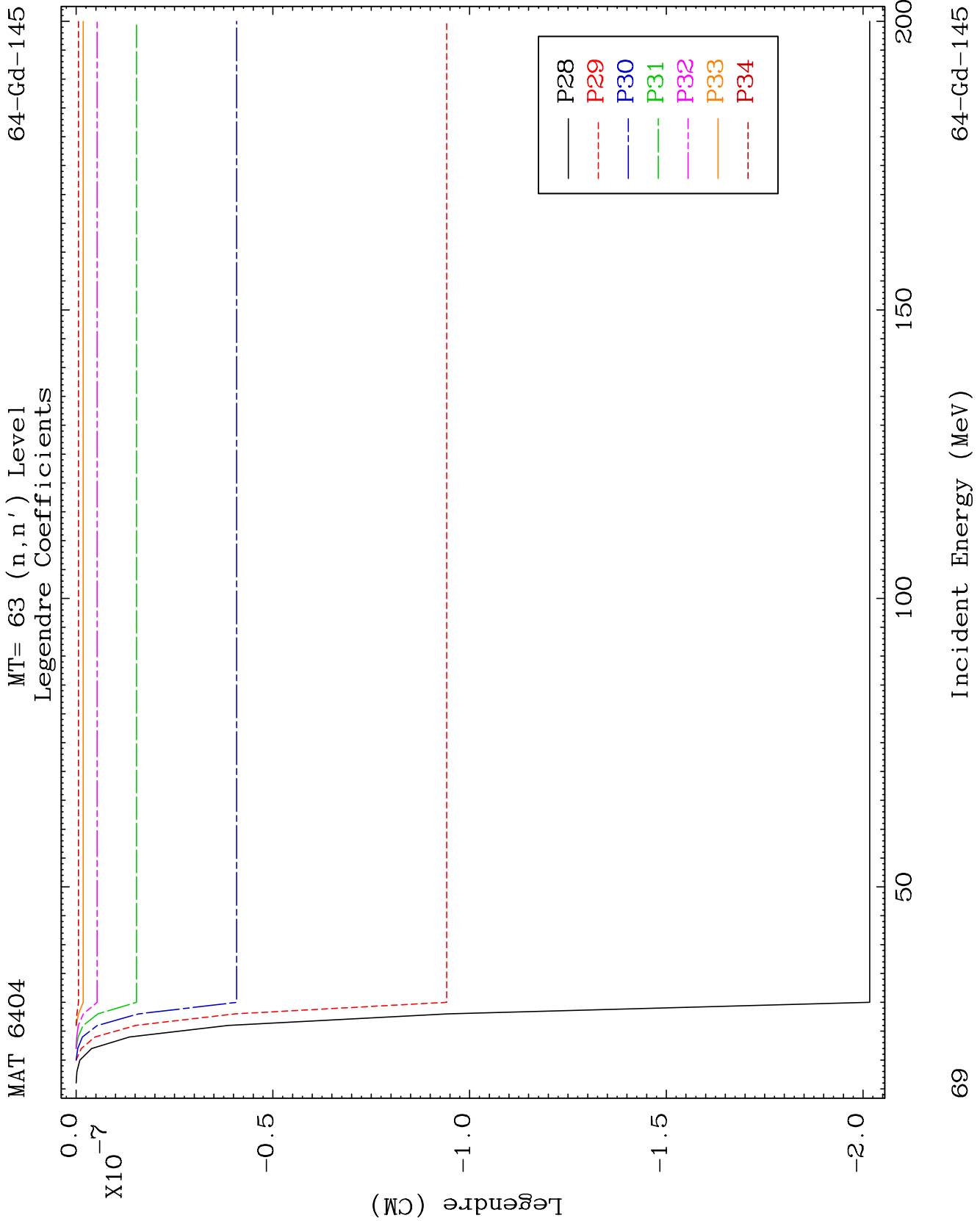
64-Gd-145



68

Incident Energy (MeV)

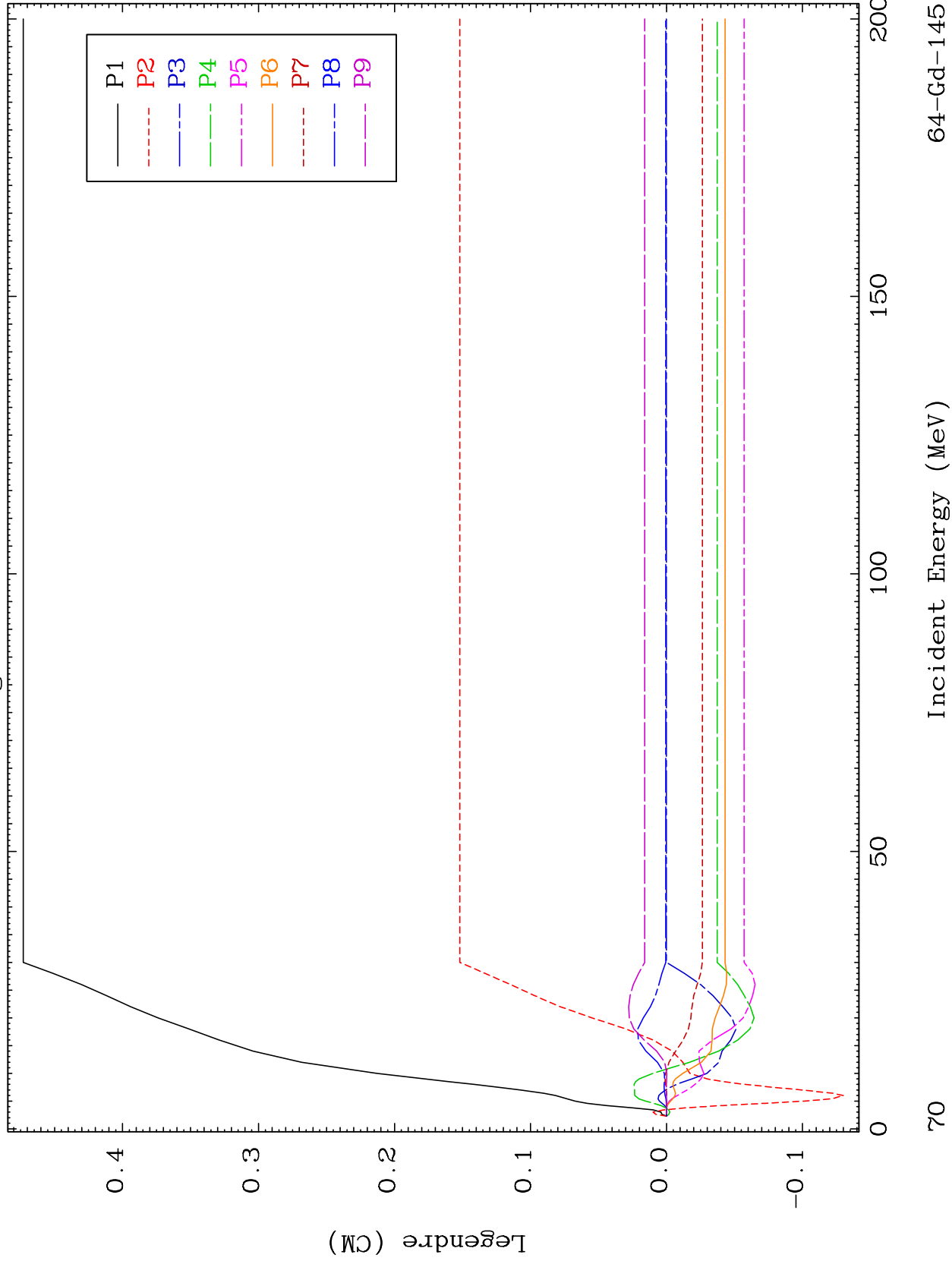
64-Gd-145



MAT 6404

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

64-Gd-145



64-Gd-145

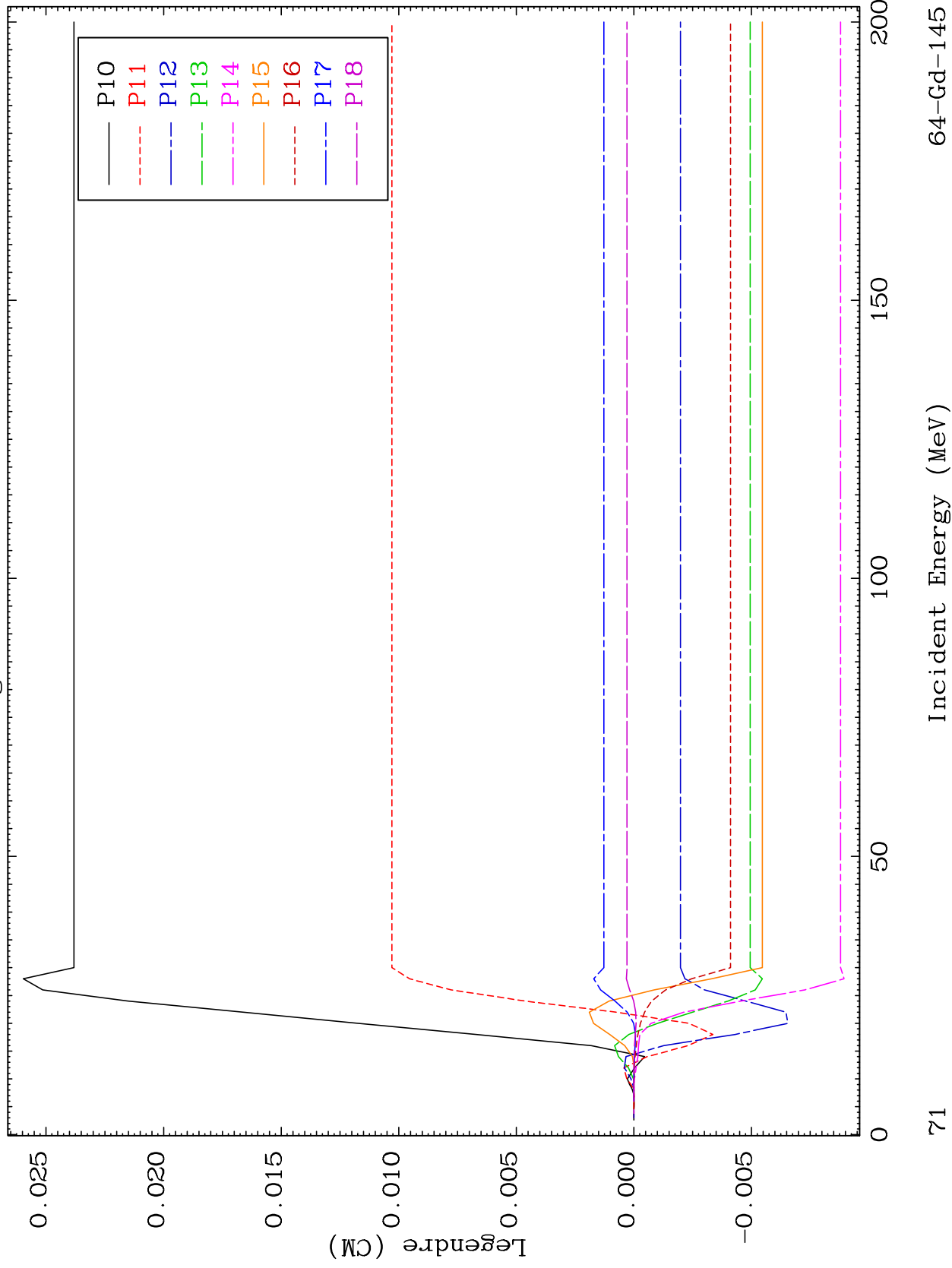
Incident Energy (MeV)

70

MAT 6404

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

64-Gd-145



71

Incident Energy (MeV)

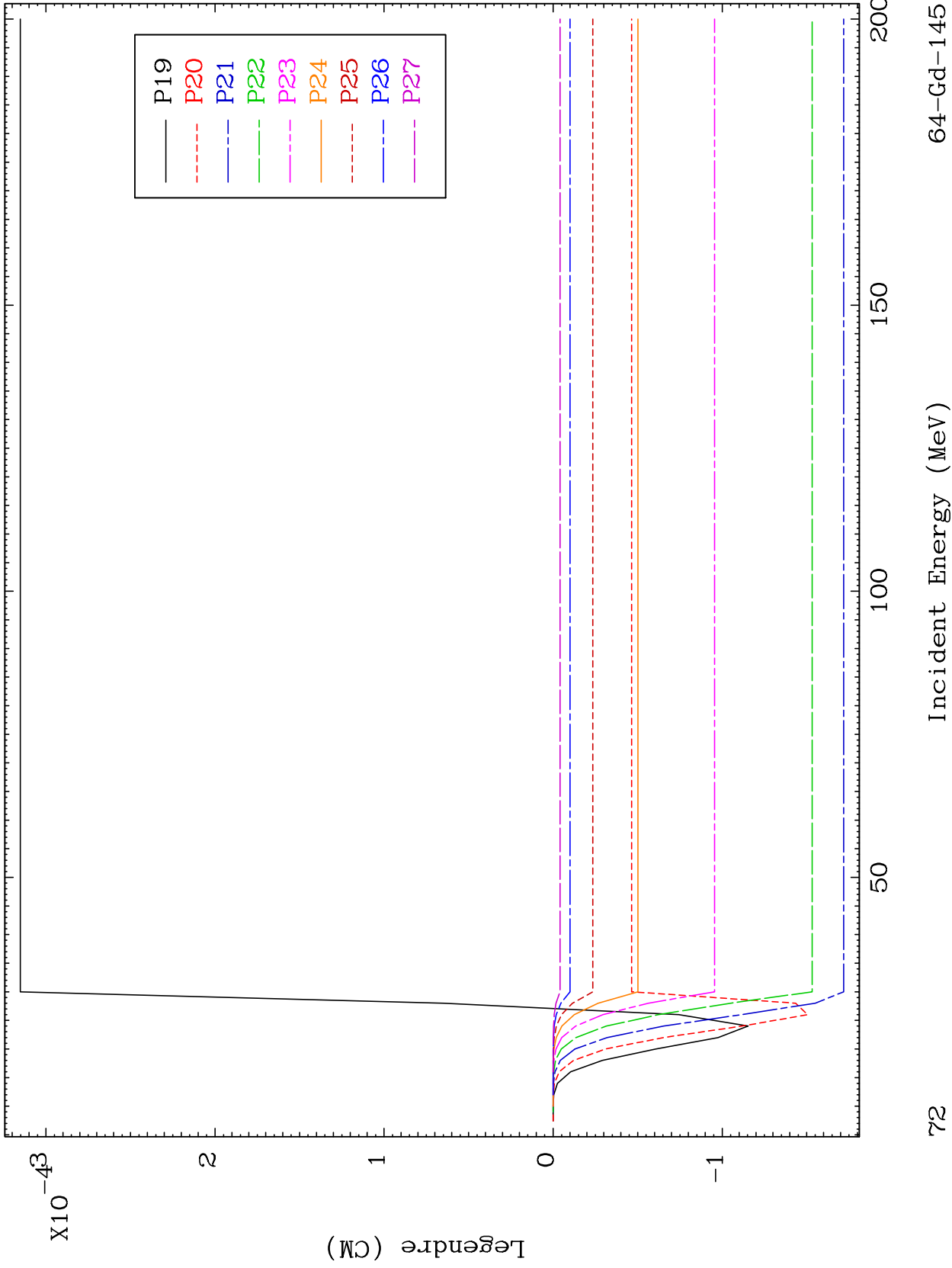
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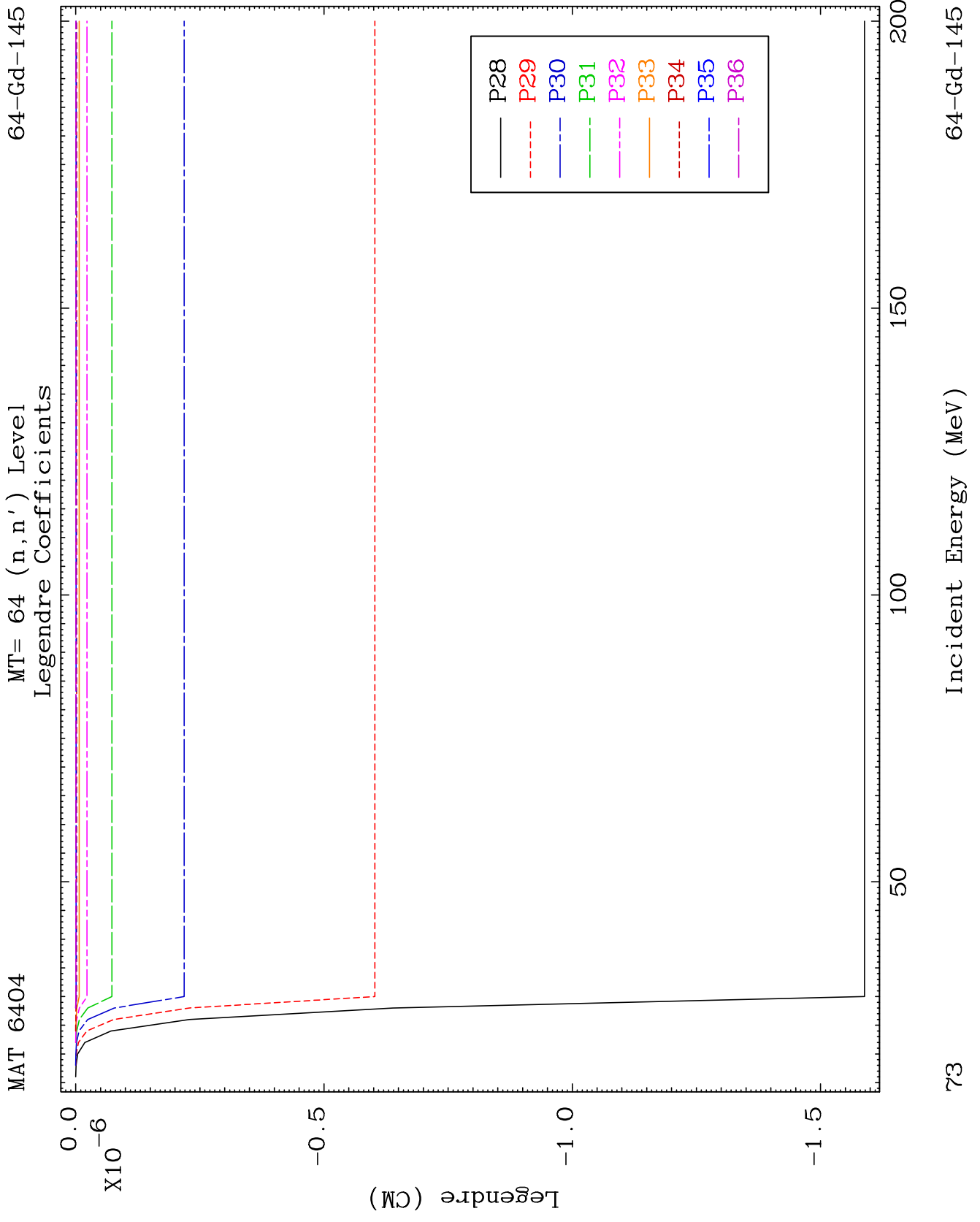


MAT 6404

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

64-Gd-145

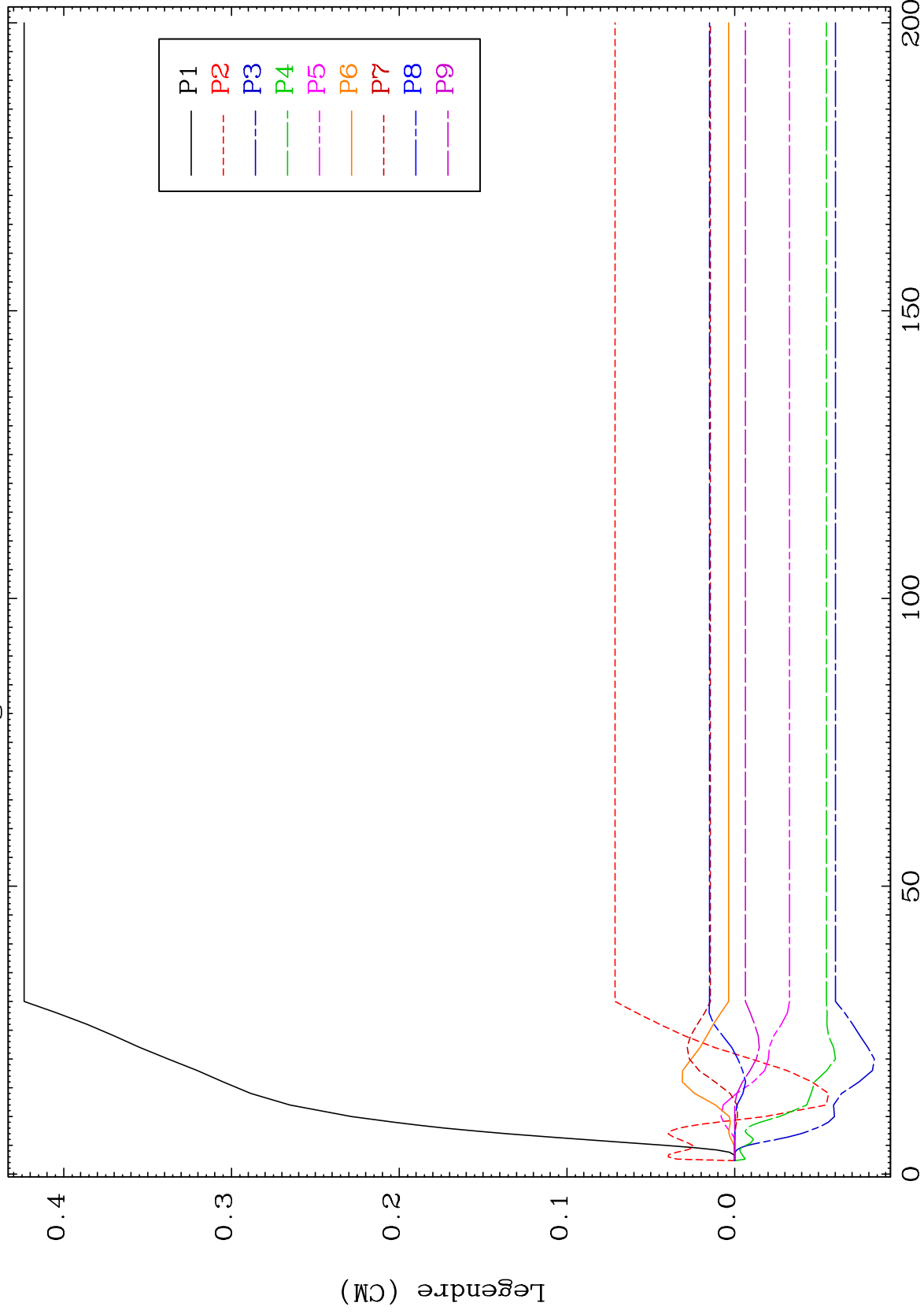




MAT 6404

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

64-Gd-145



74

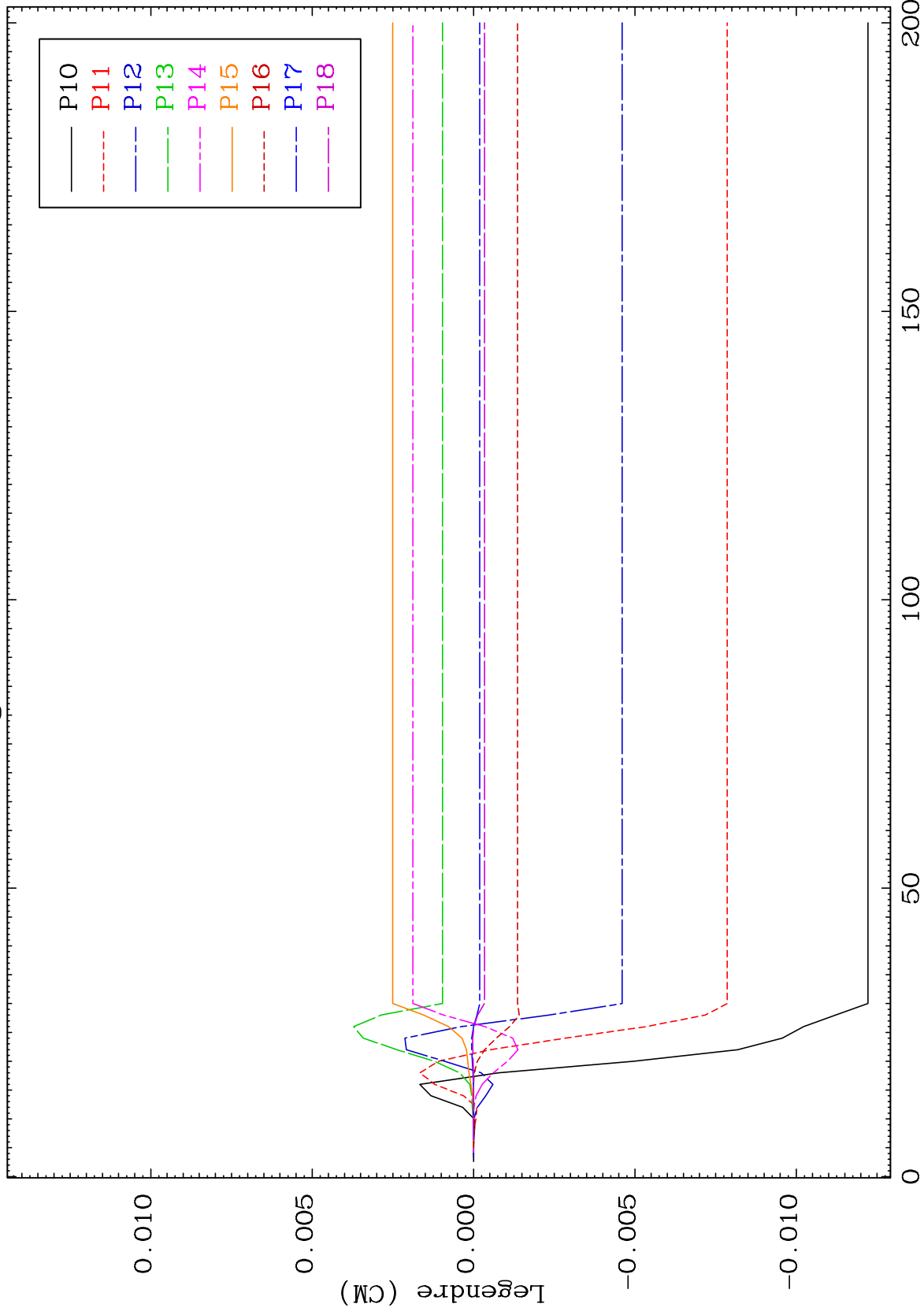
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

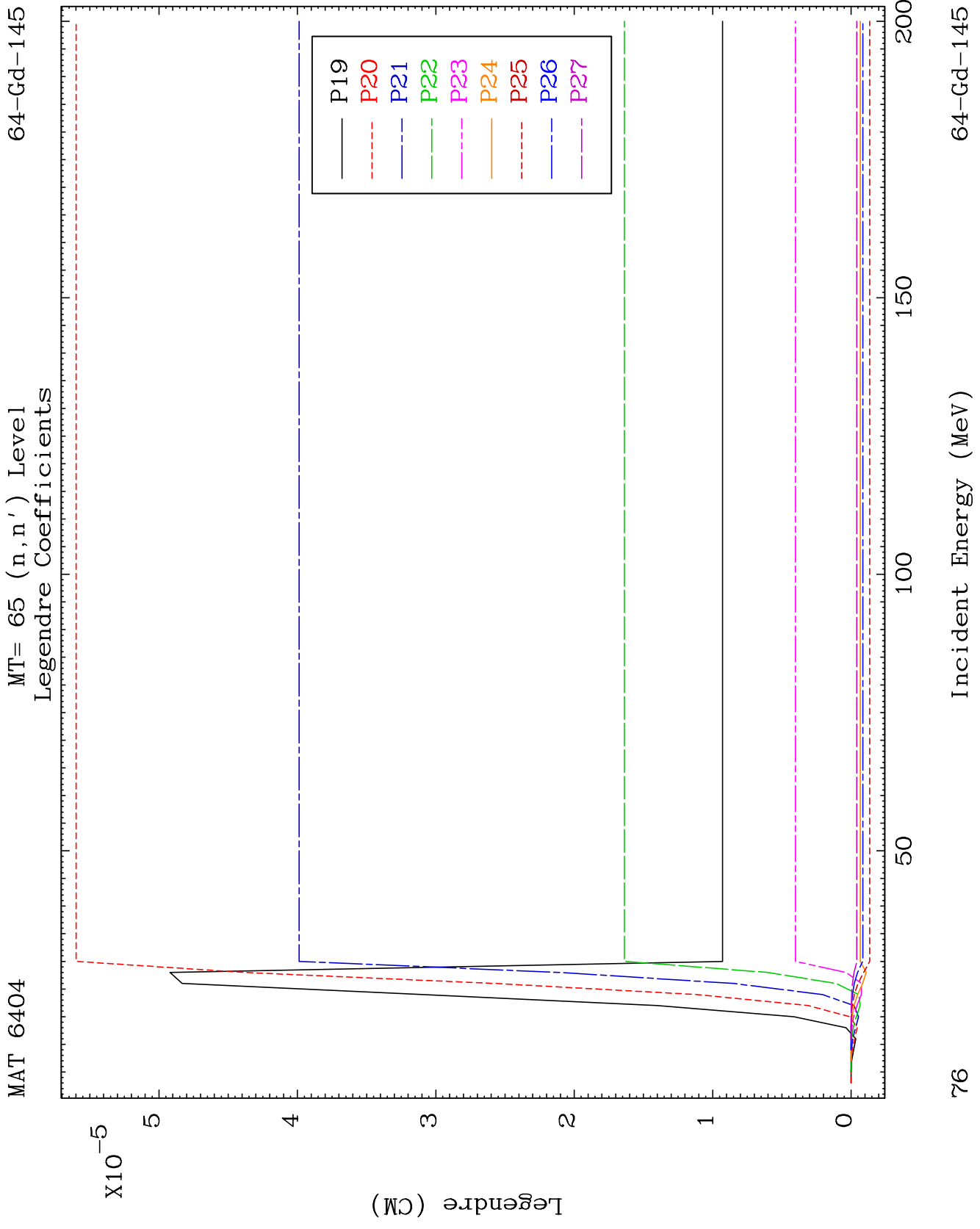
64-Gd-145

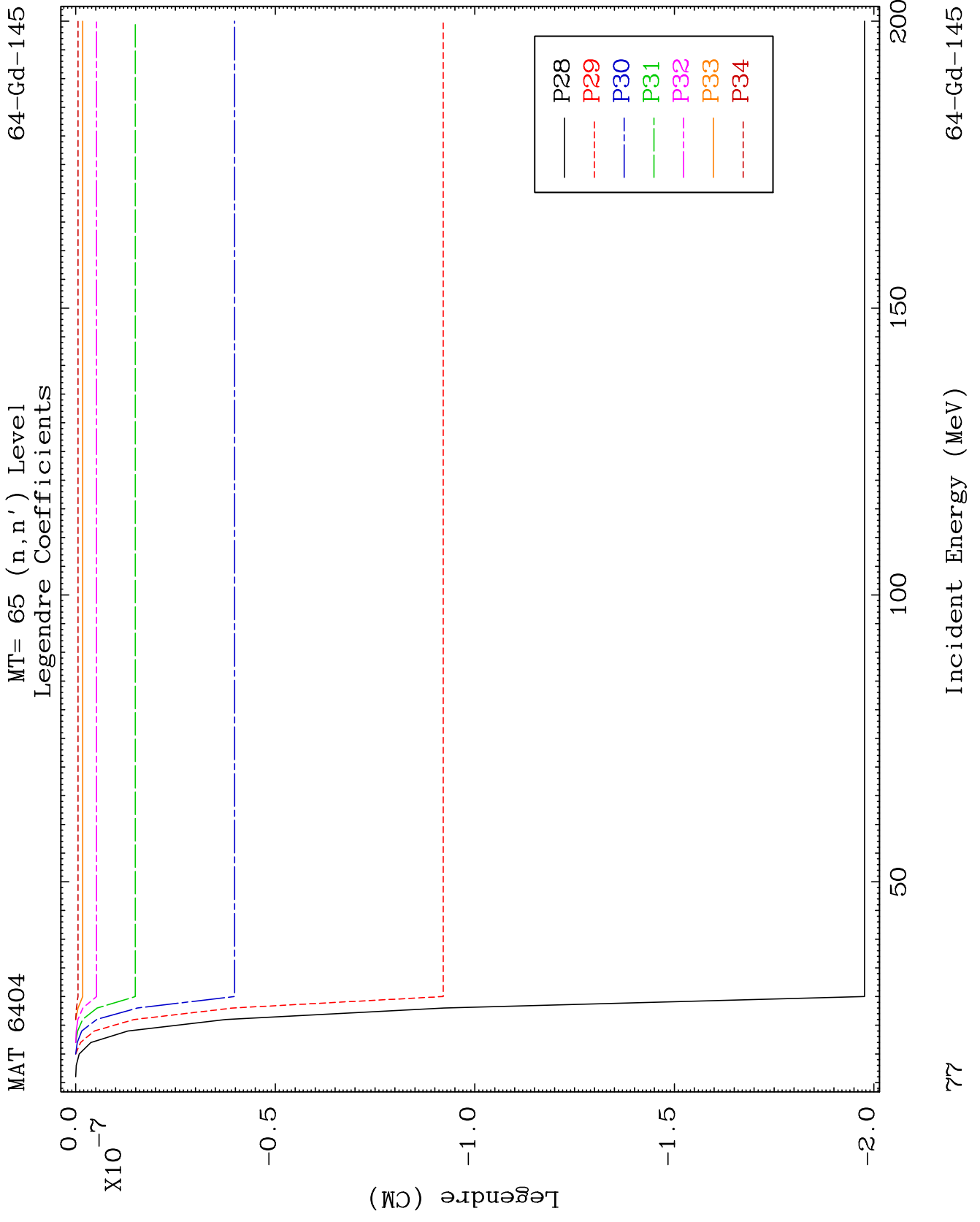


75

Incident Energy (MeV)

64-Gd-145

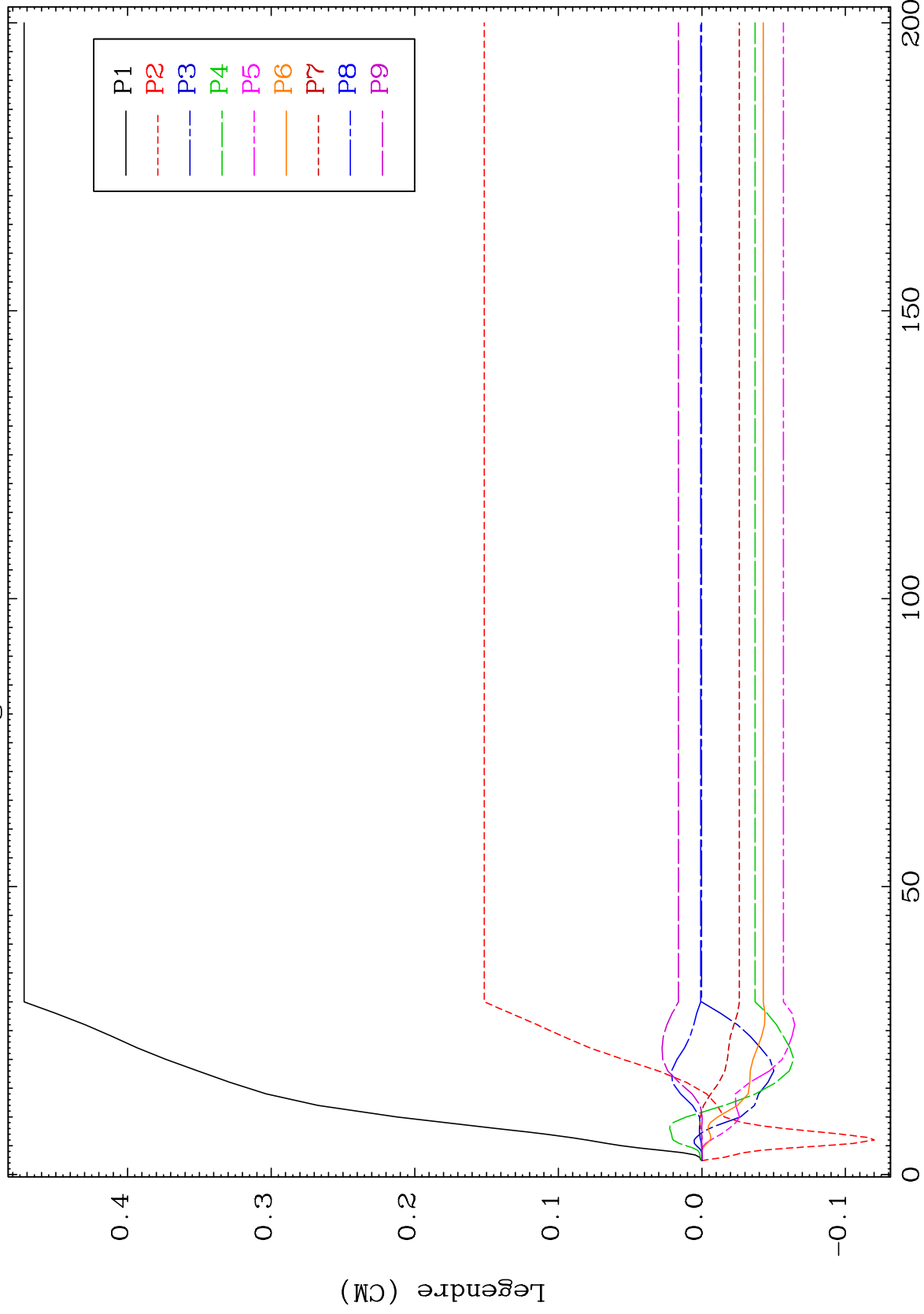




MAT 6404

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

64-Gd-145



78

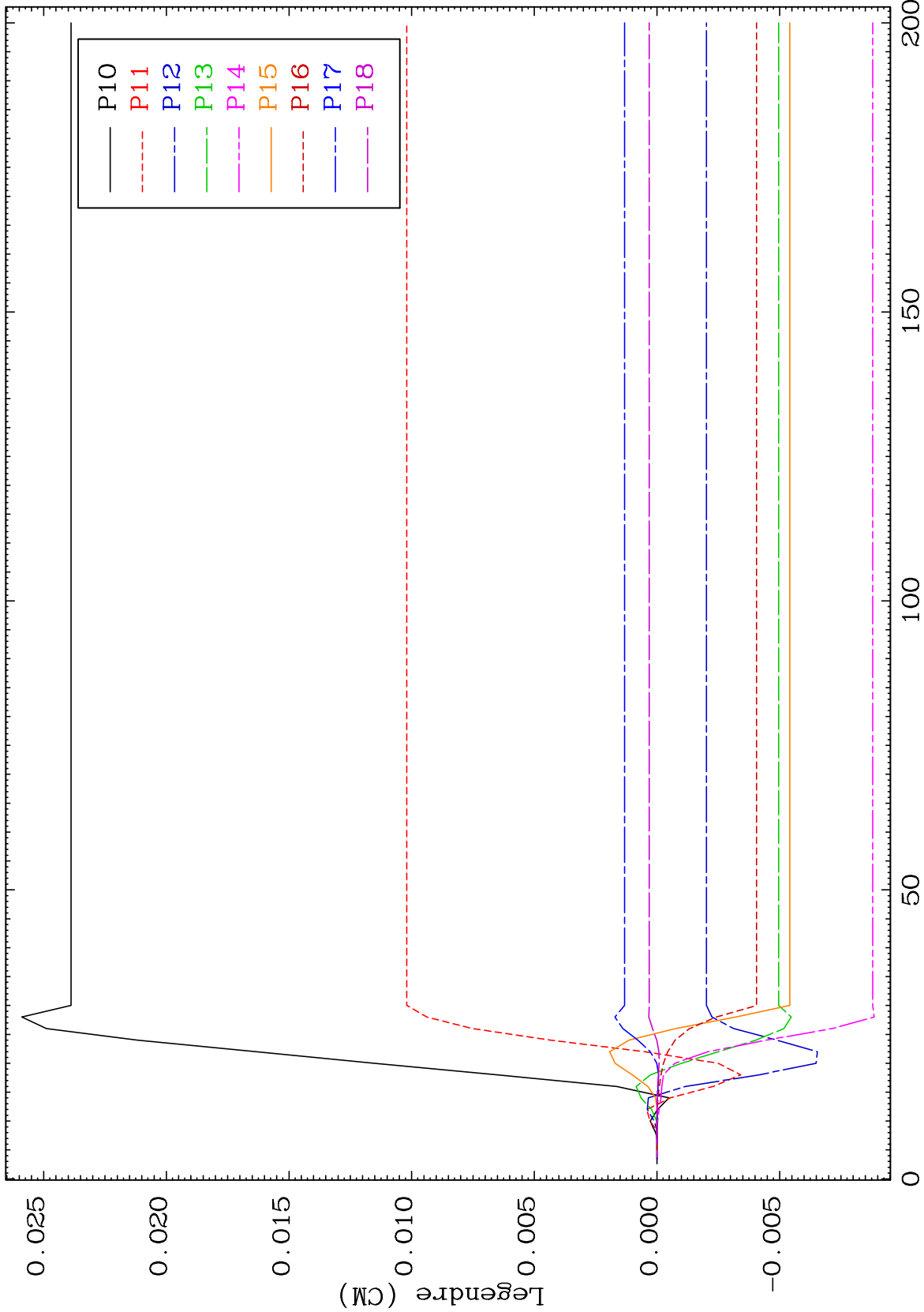
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



79

Incident Energy (MeV)

64-Gd-145



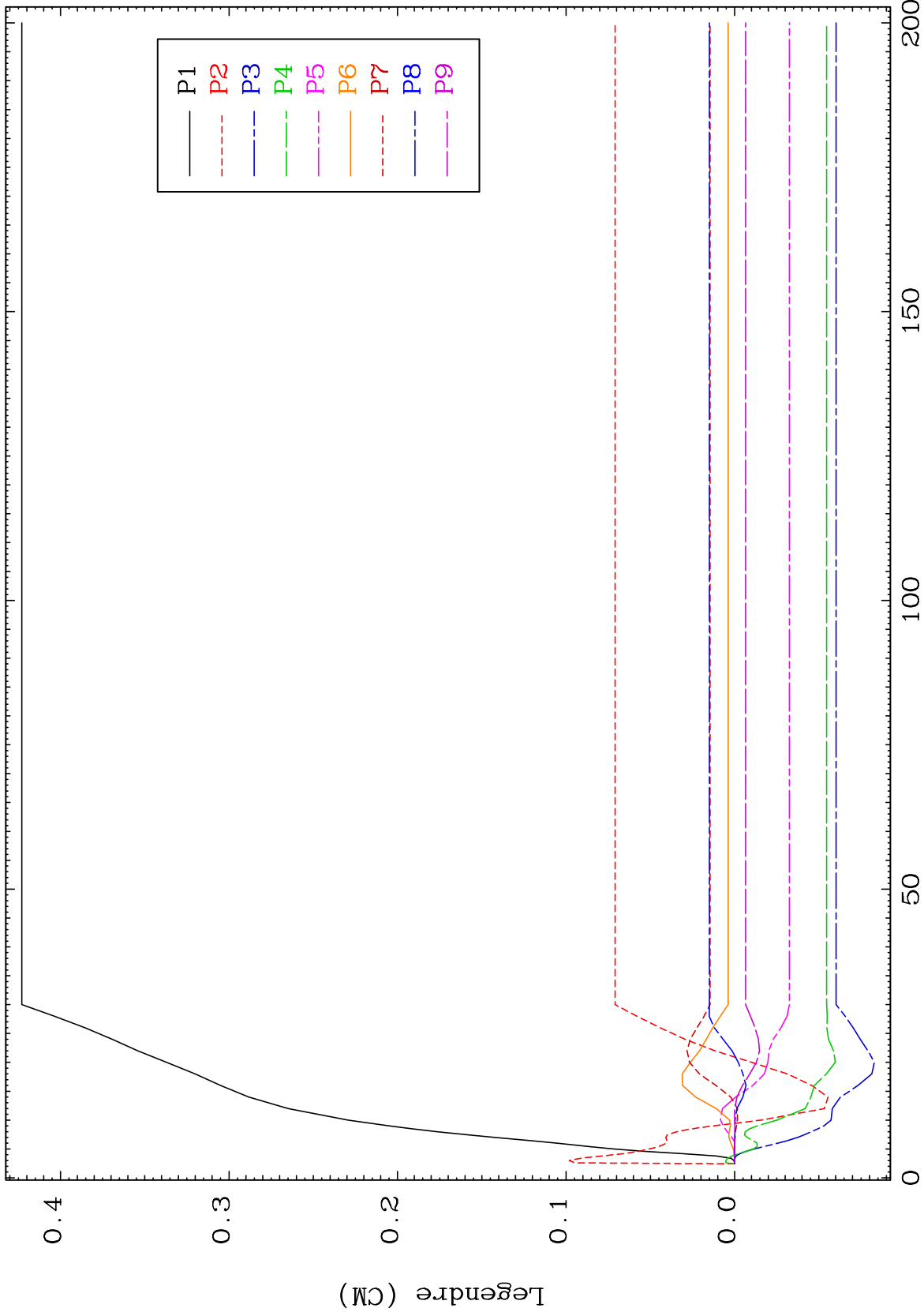




MAT 6404

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

64-Gd-145



82

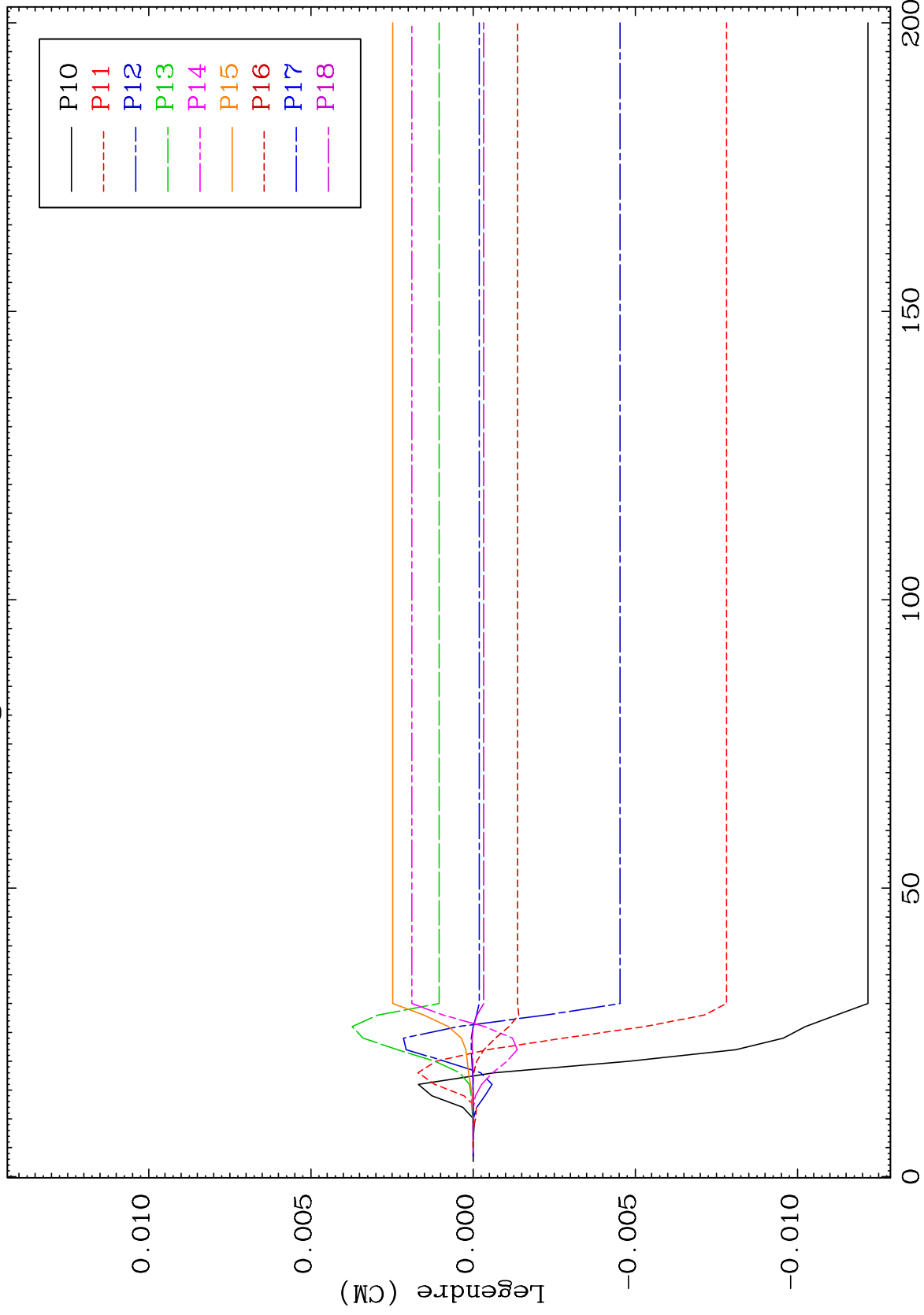
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



83

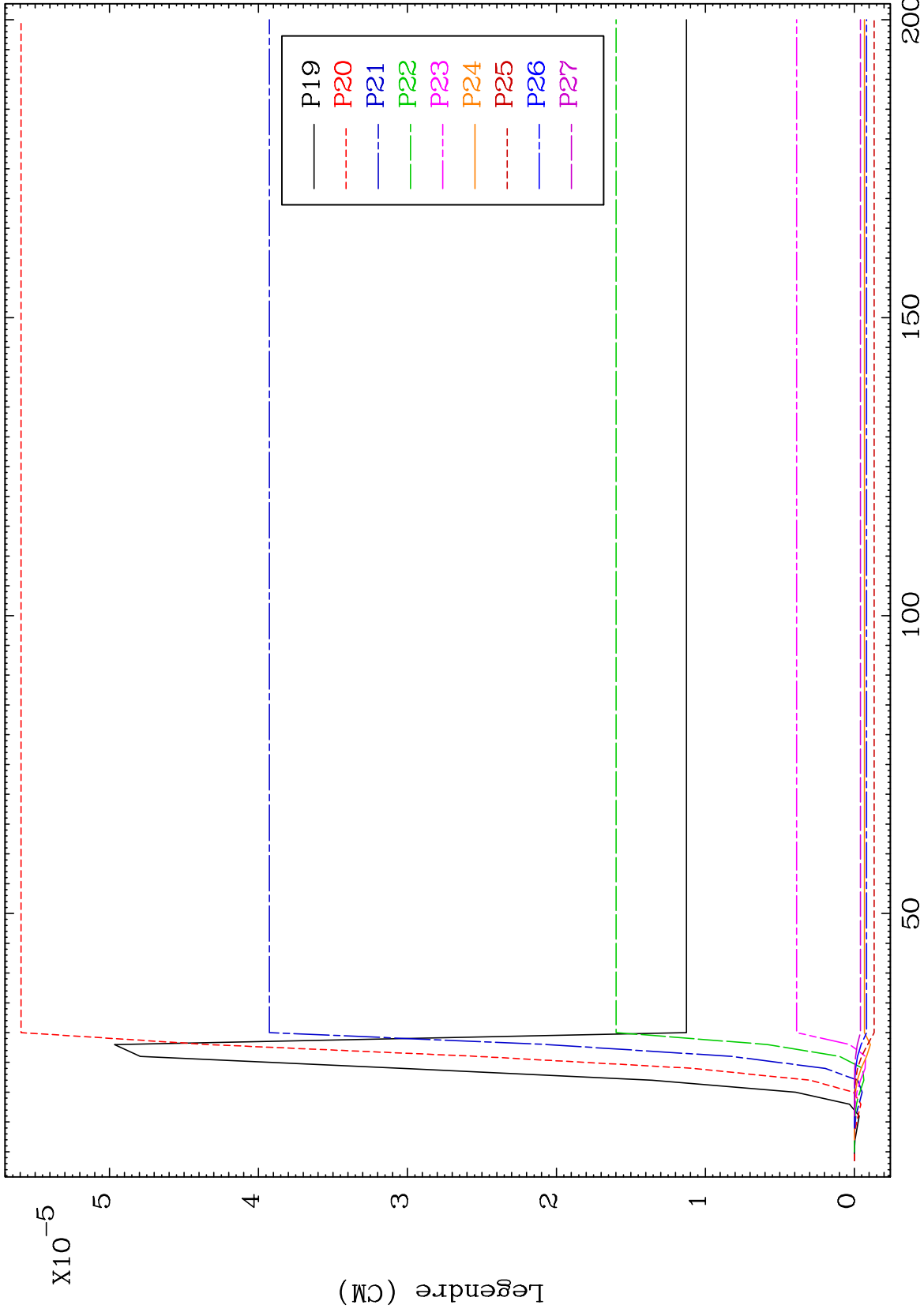
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

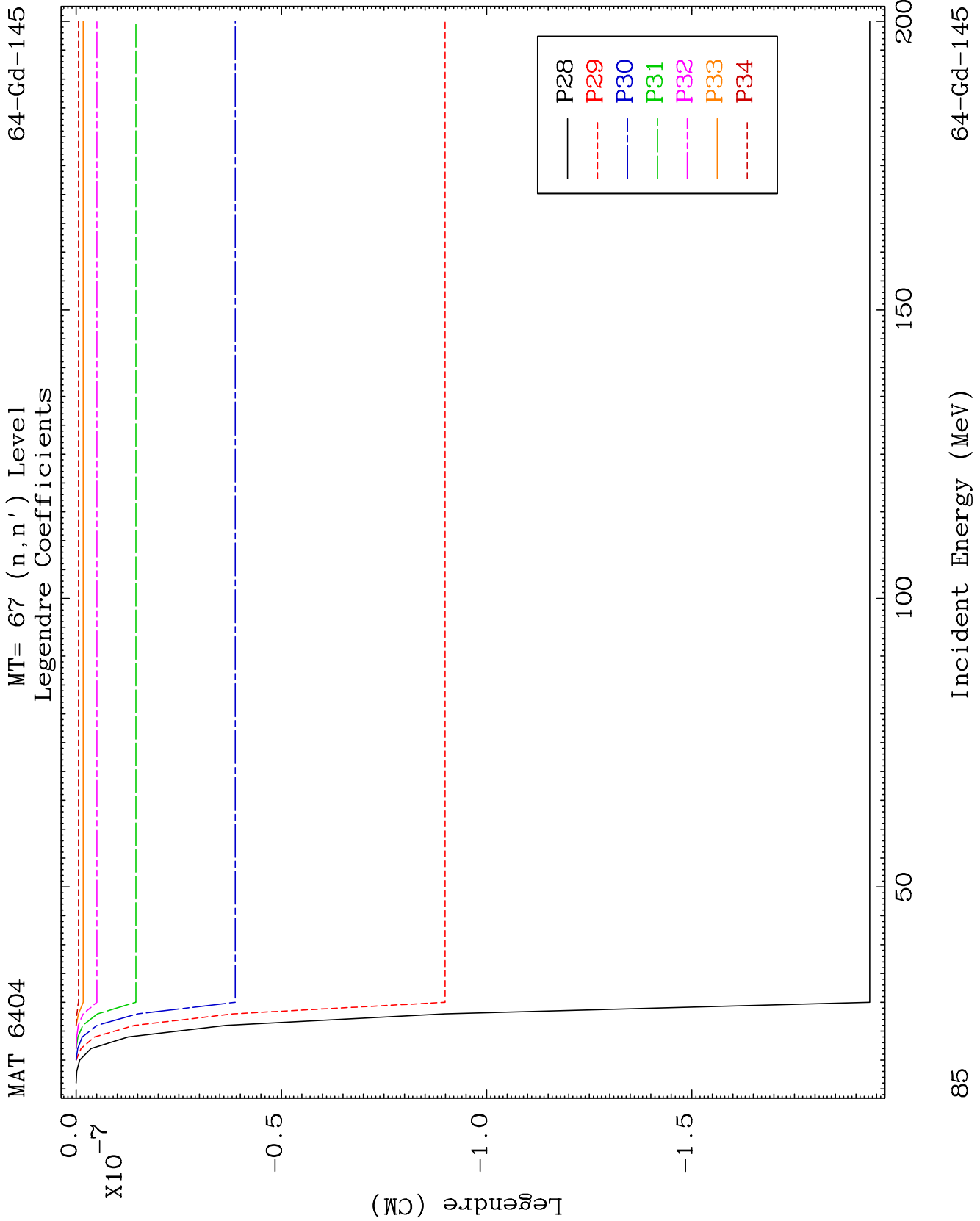
64-Gd-145



84

Incident Energy (MeV)

64-Gd-145

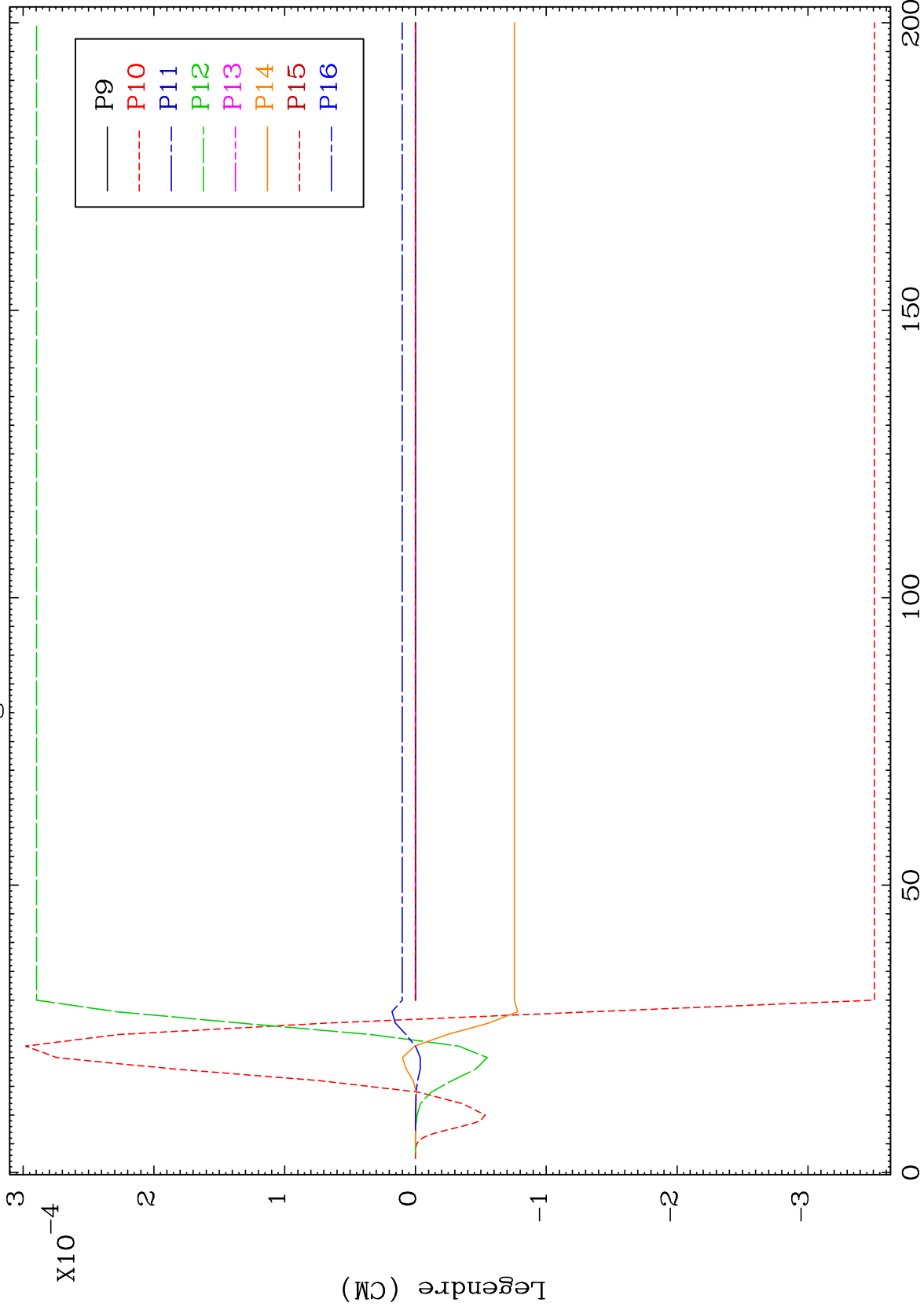




MAT 6404

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

64-Gd-145



87

Incident Energy (MeV)

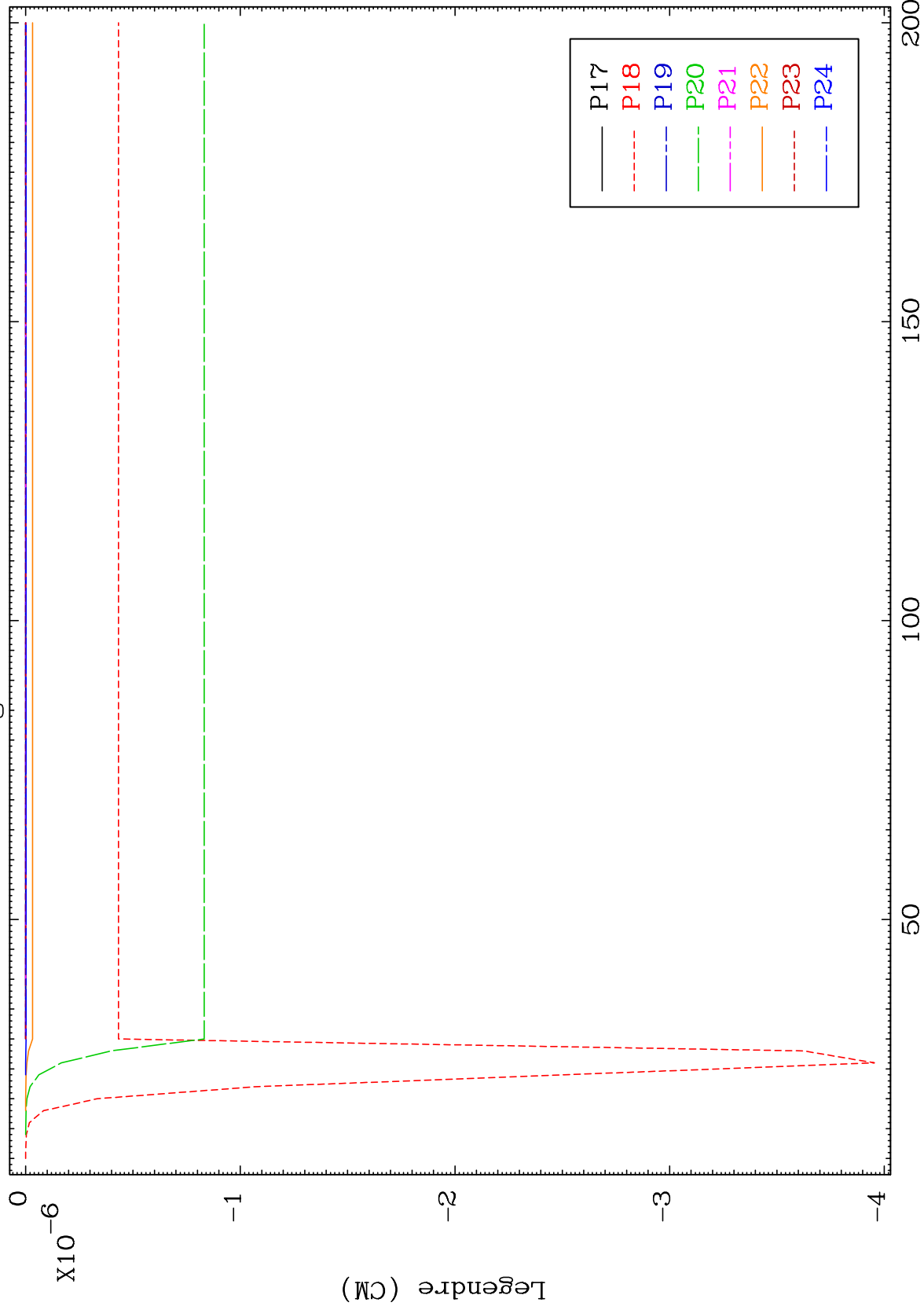
64-Gd-145



MAT 6404

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

64-Gd-145



64-Gd-145

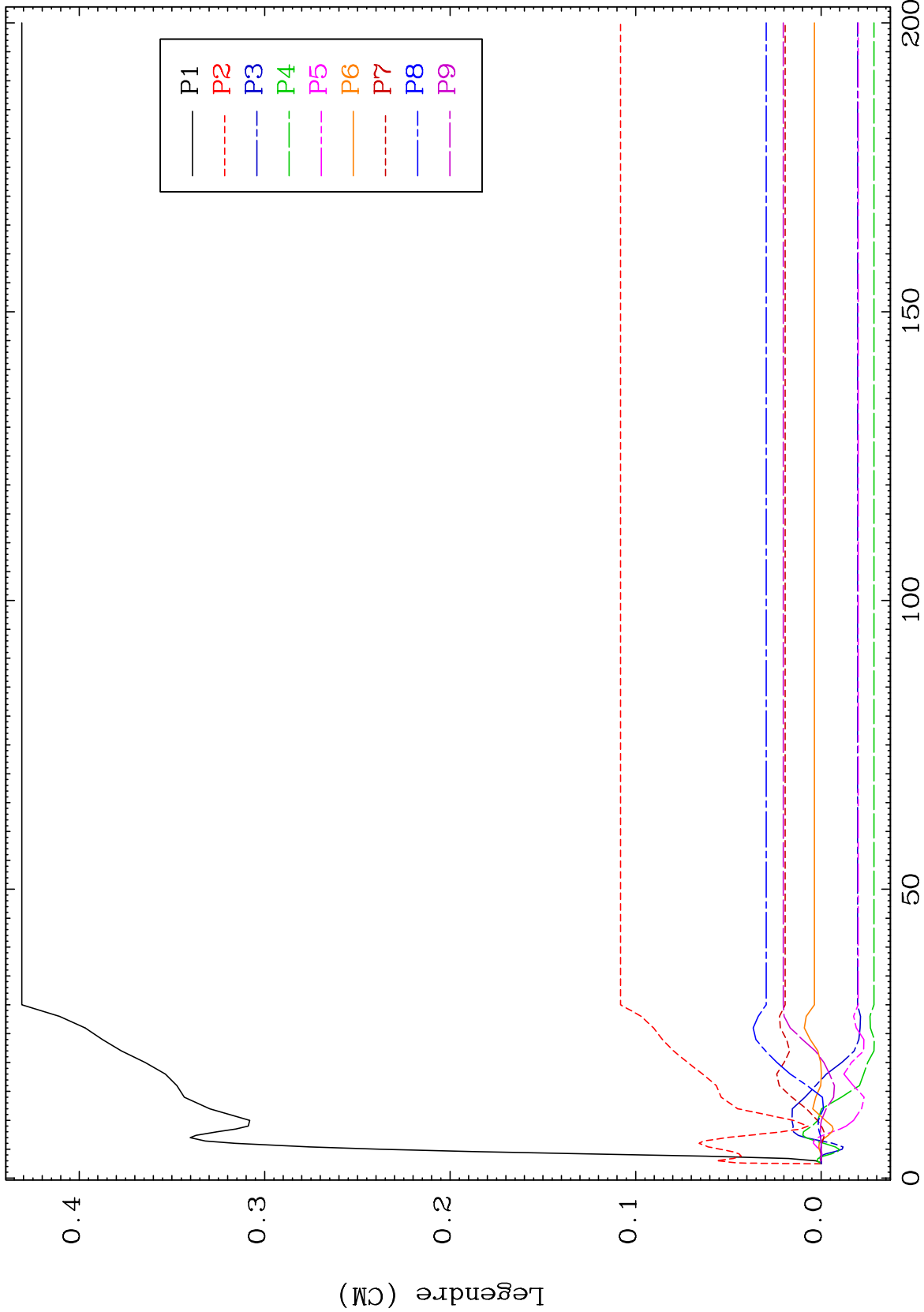
Incident Energy (MeV)

88

MAT 6404

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

64-Gd-145



89

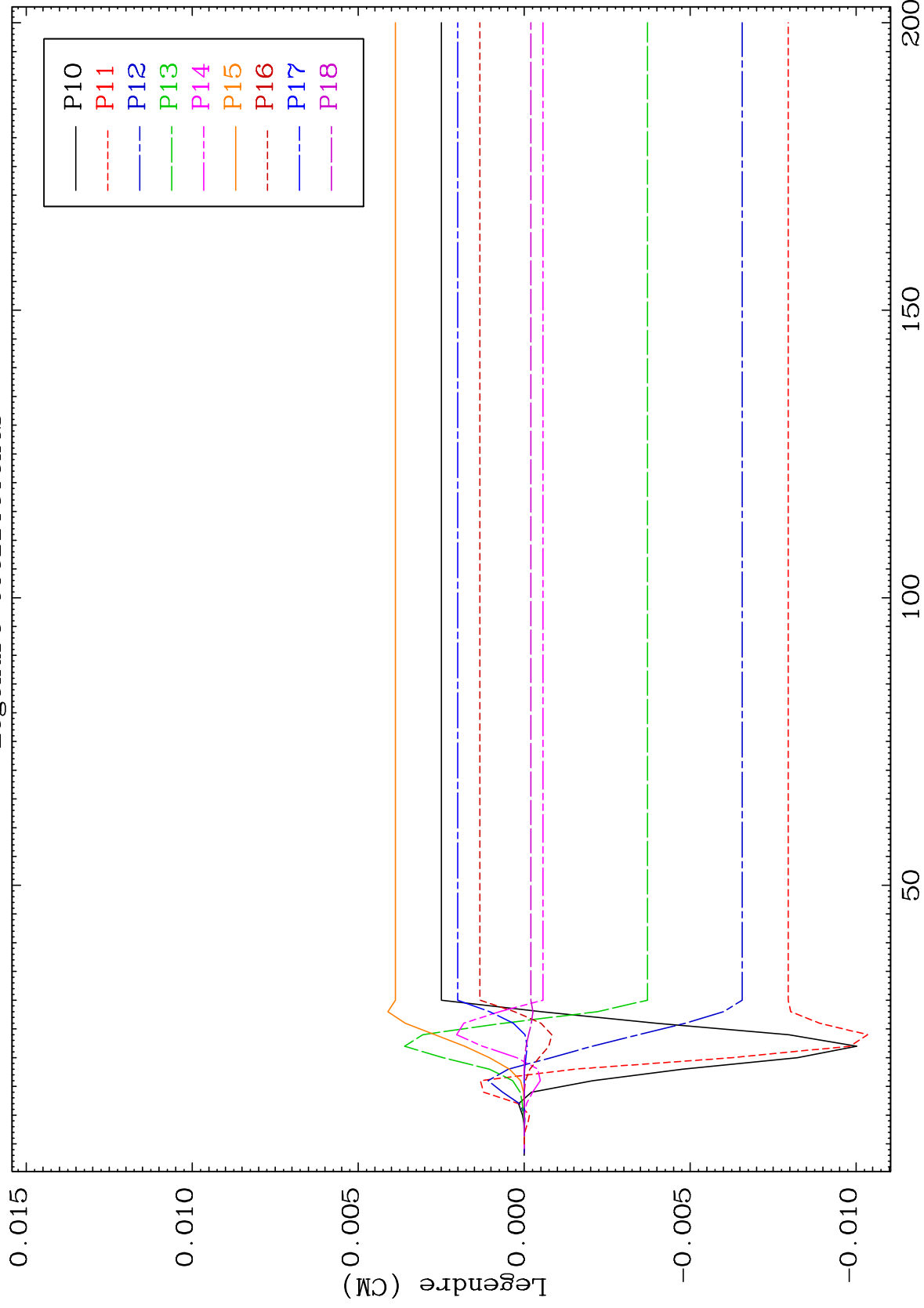
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

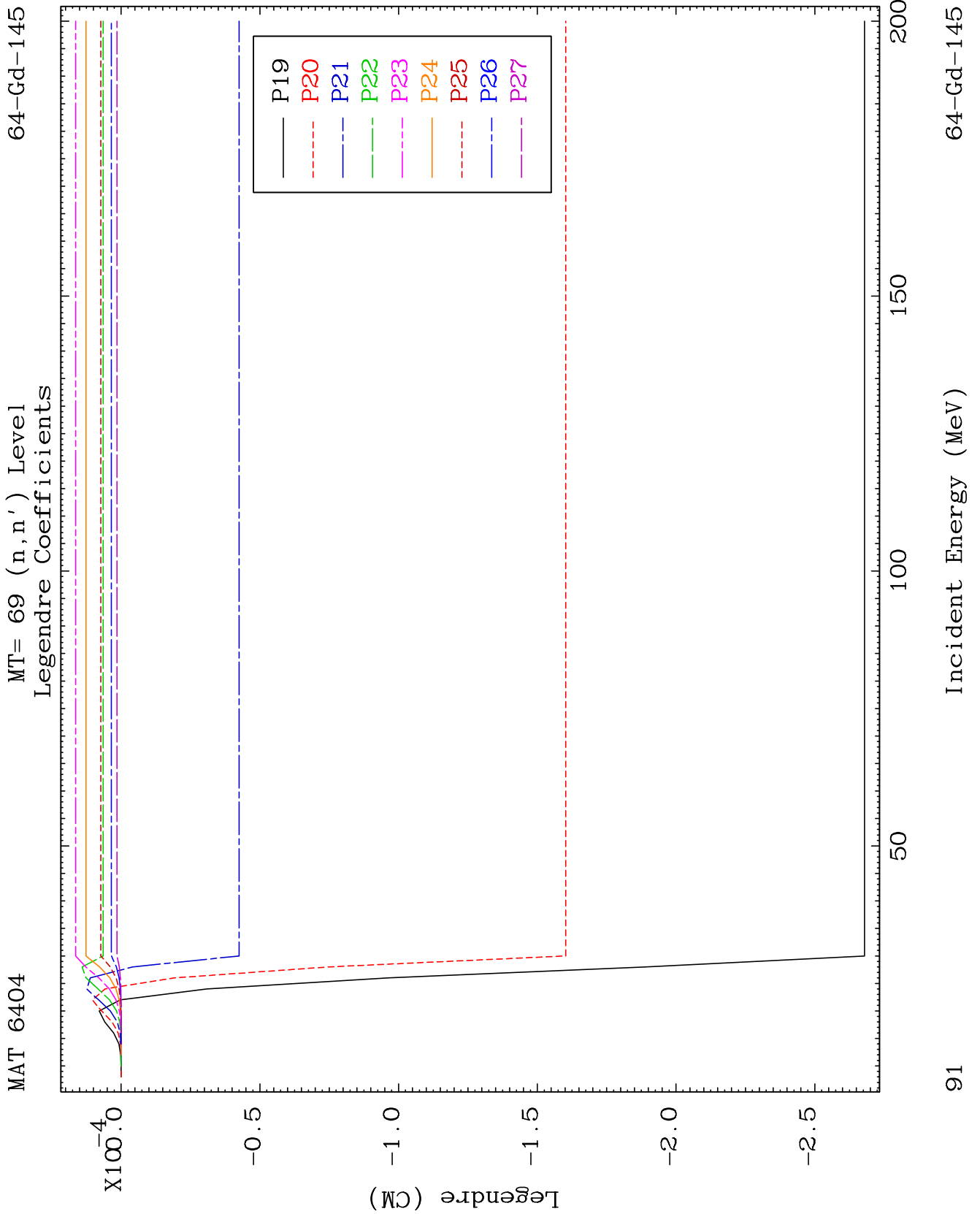
64-Gd-145



90

Incident Energy (MeV)

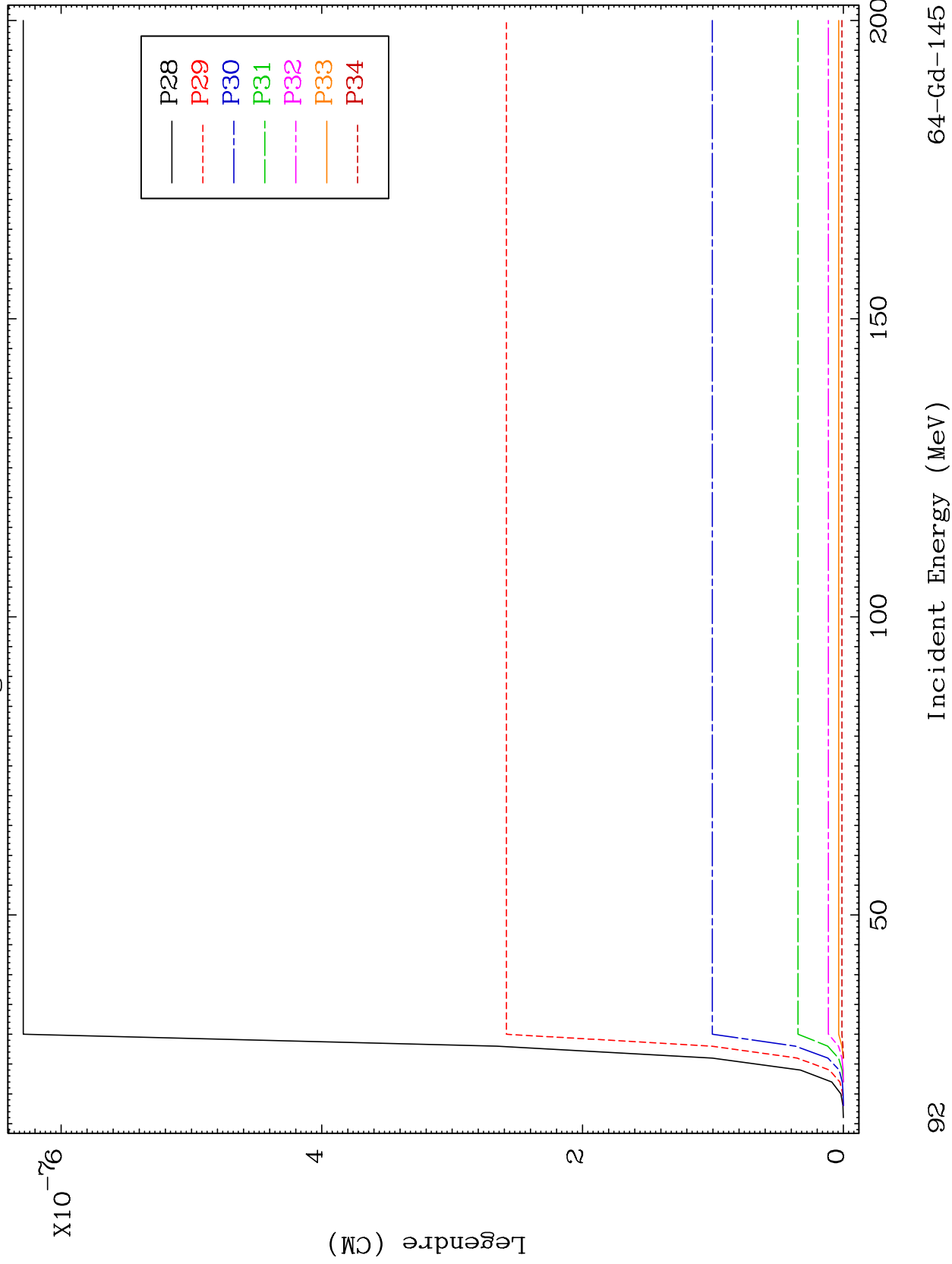
64-Gd-145

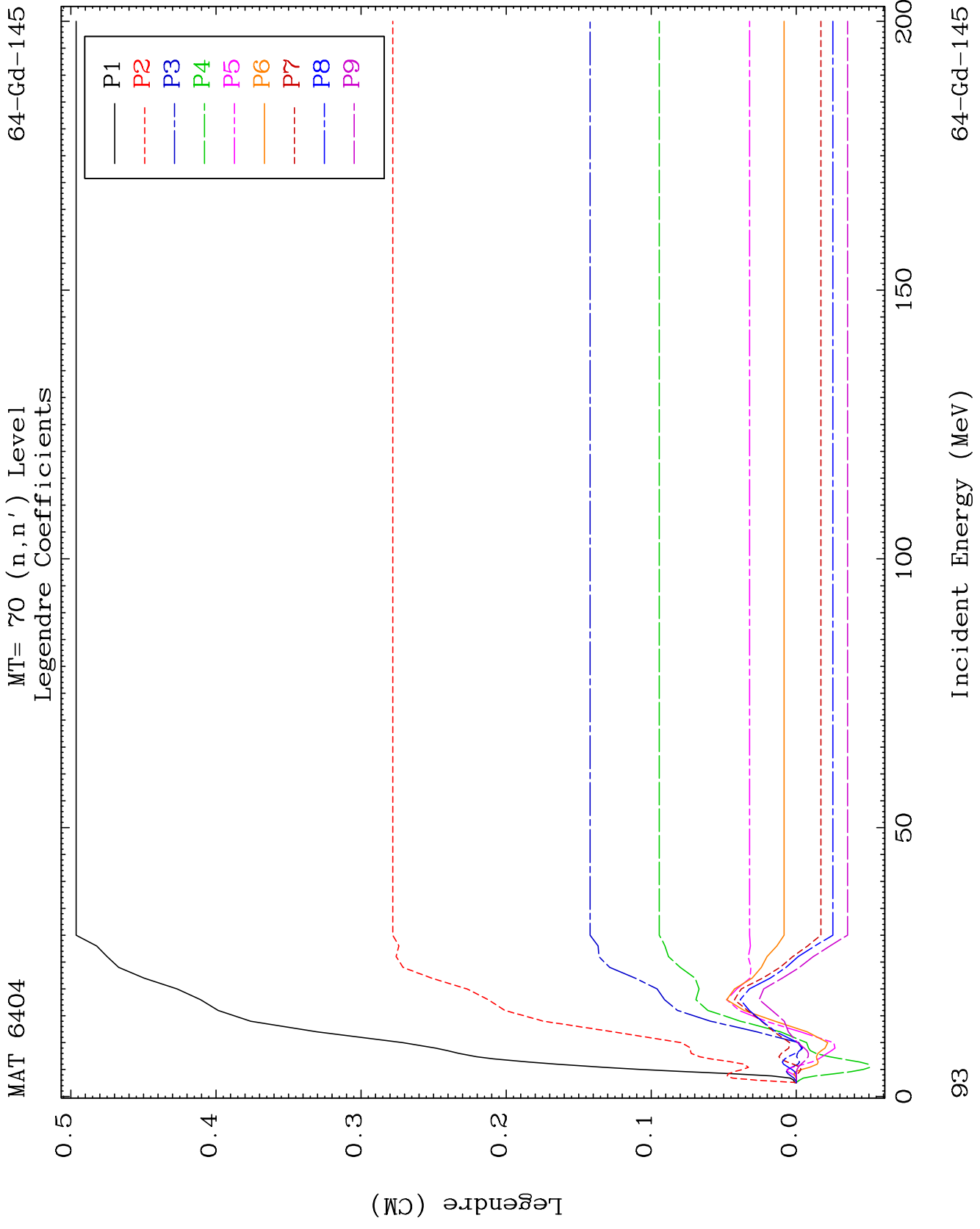


MAT 6404

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

64-Gd-145

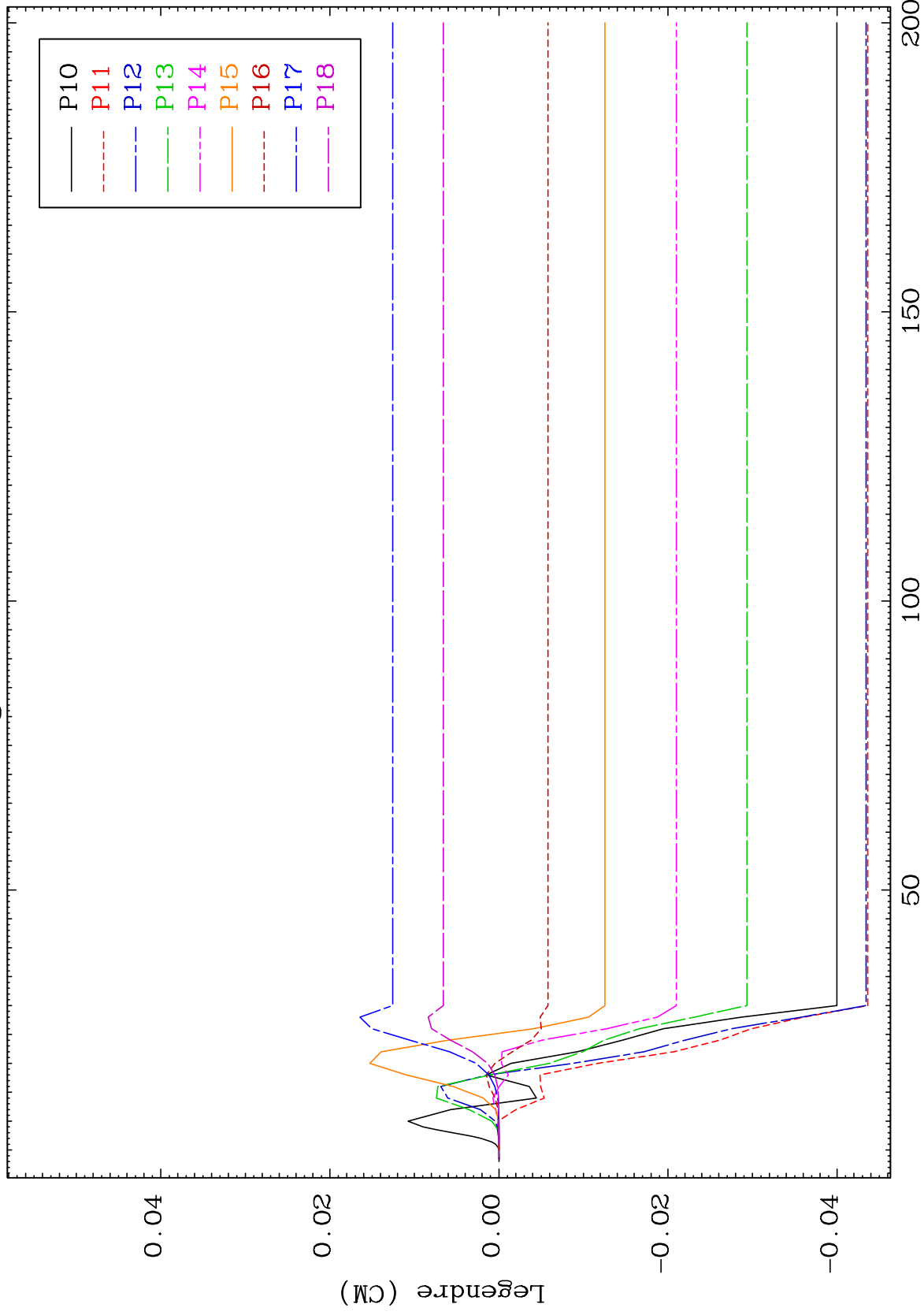




MAT 6404

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

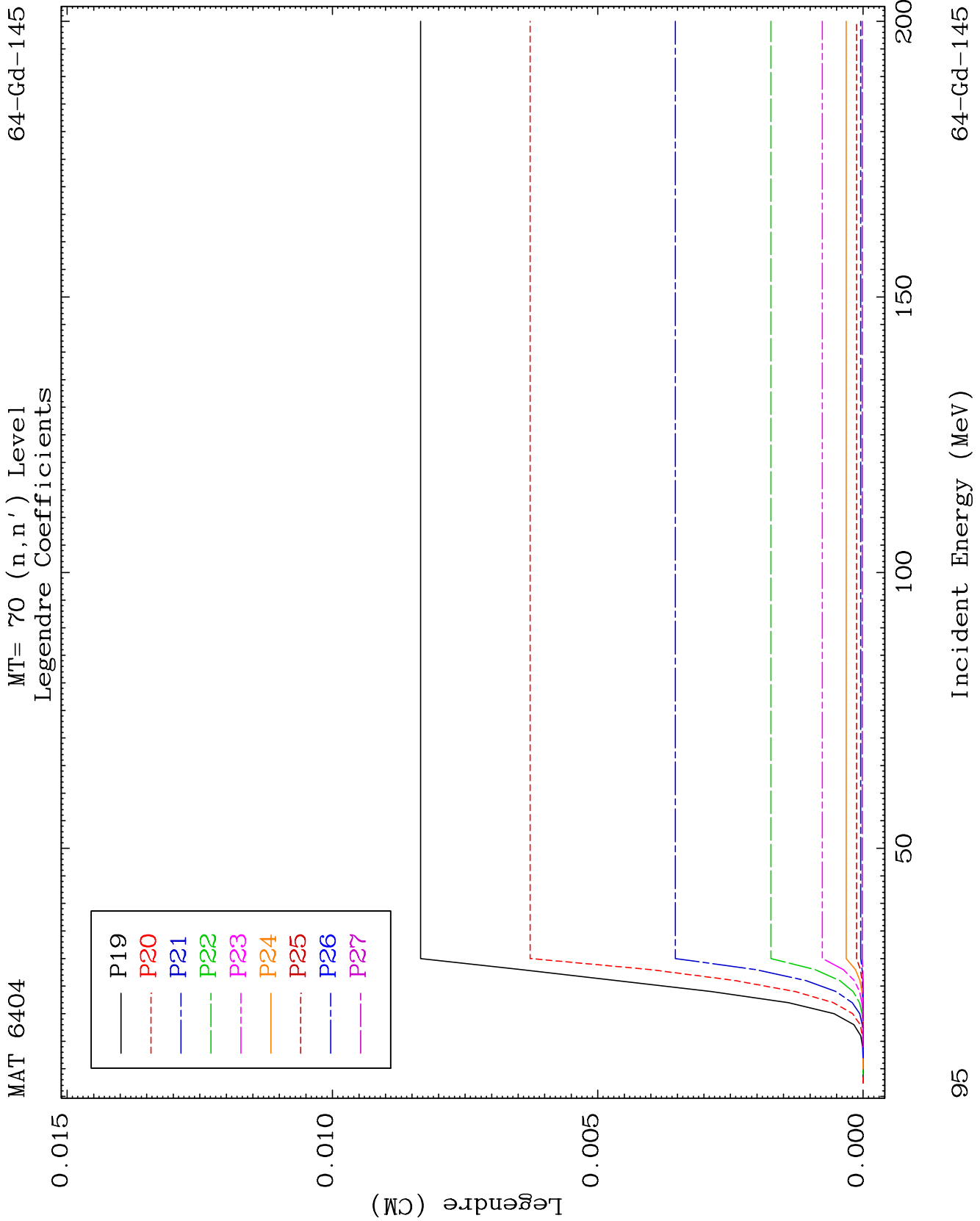
64-Gd-145



94

Incident Energy (MeV)

64-Gd-145

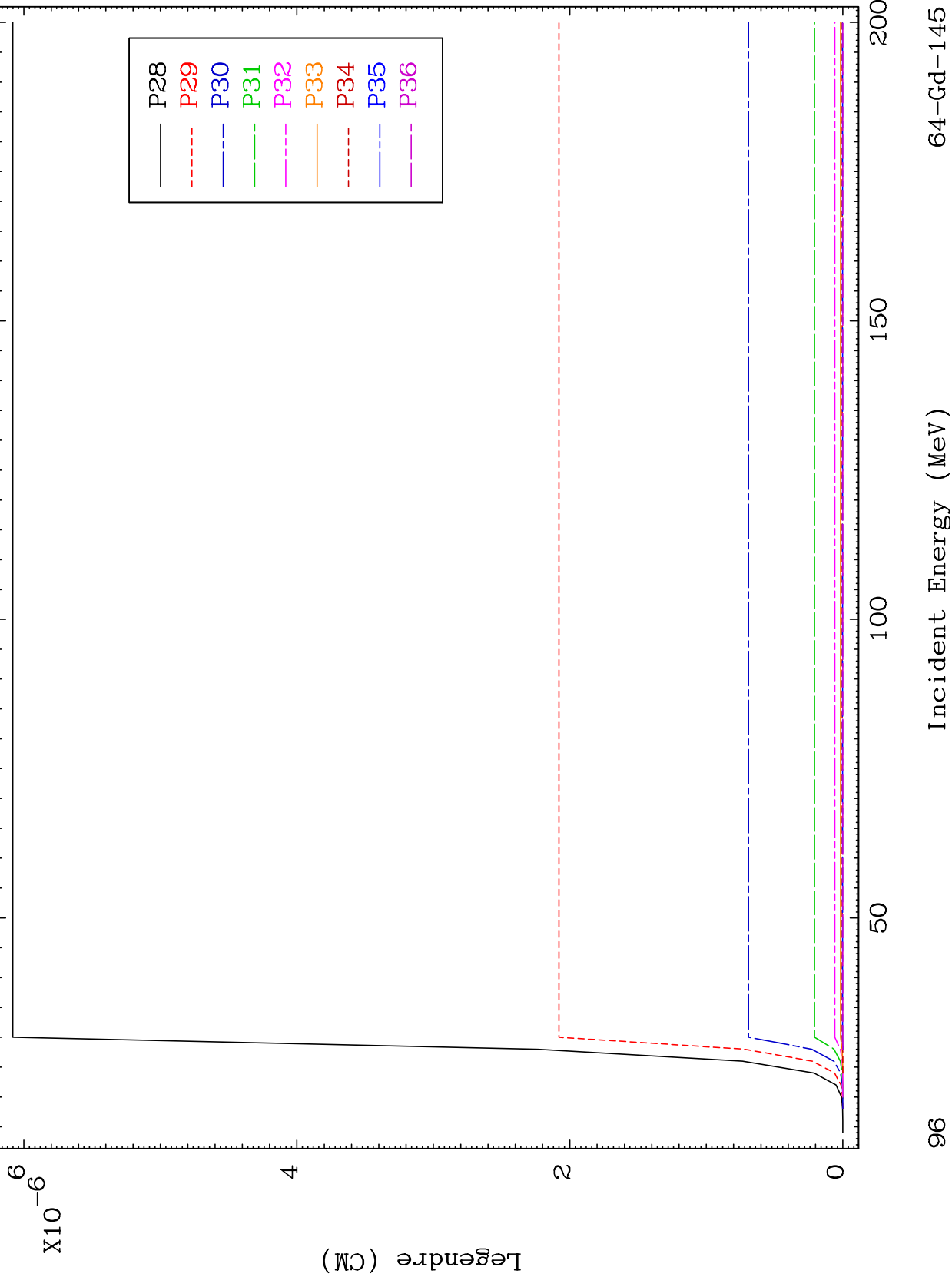


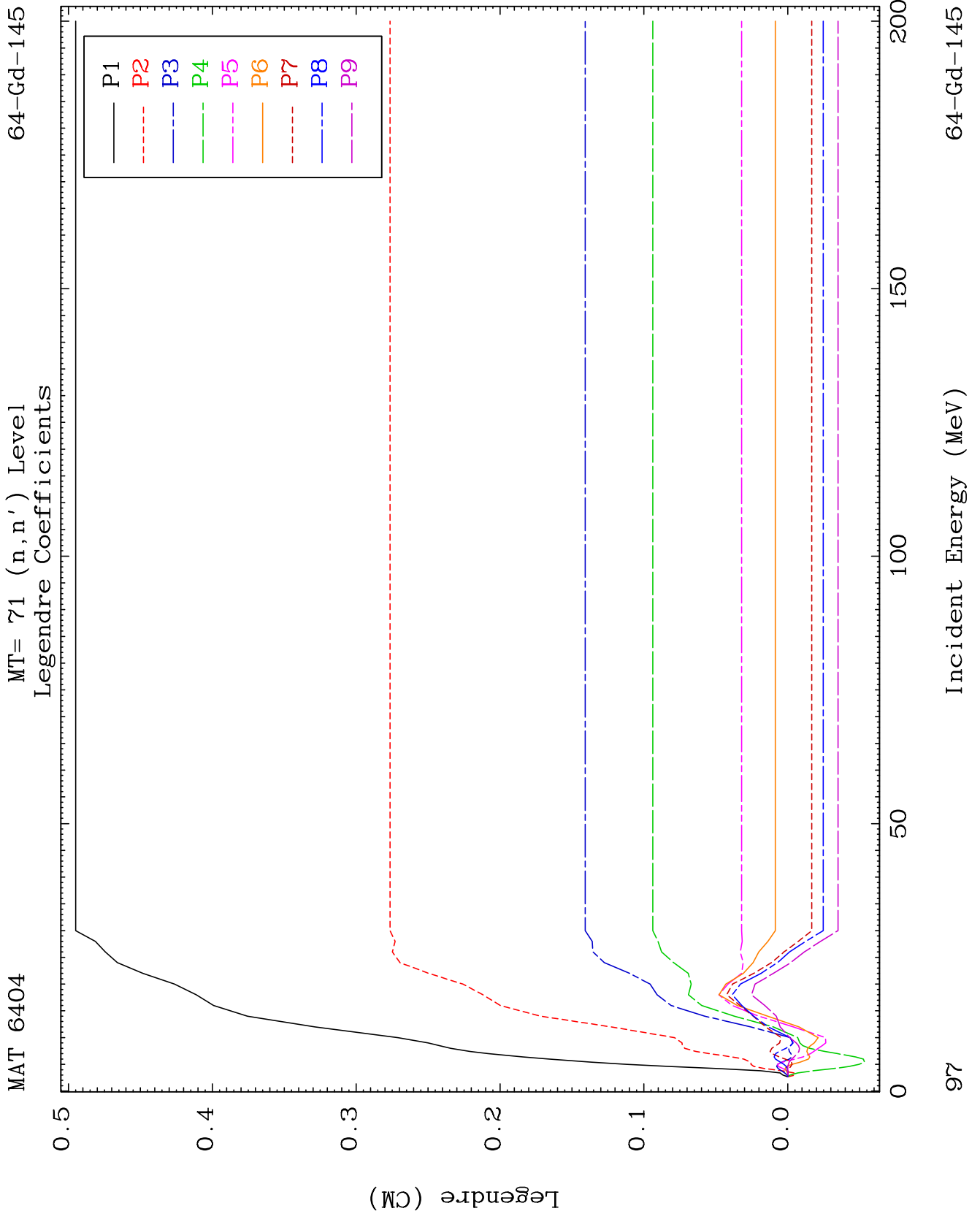


MAT 6404

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

64-Gd-145

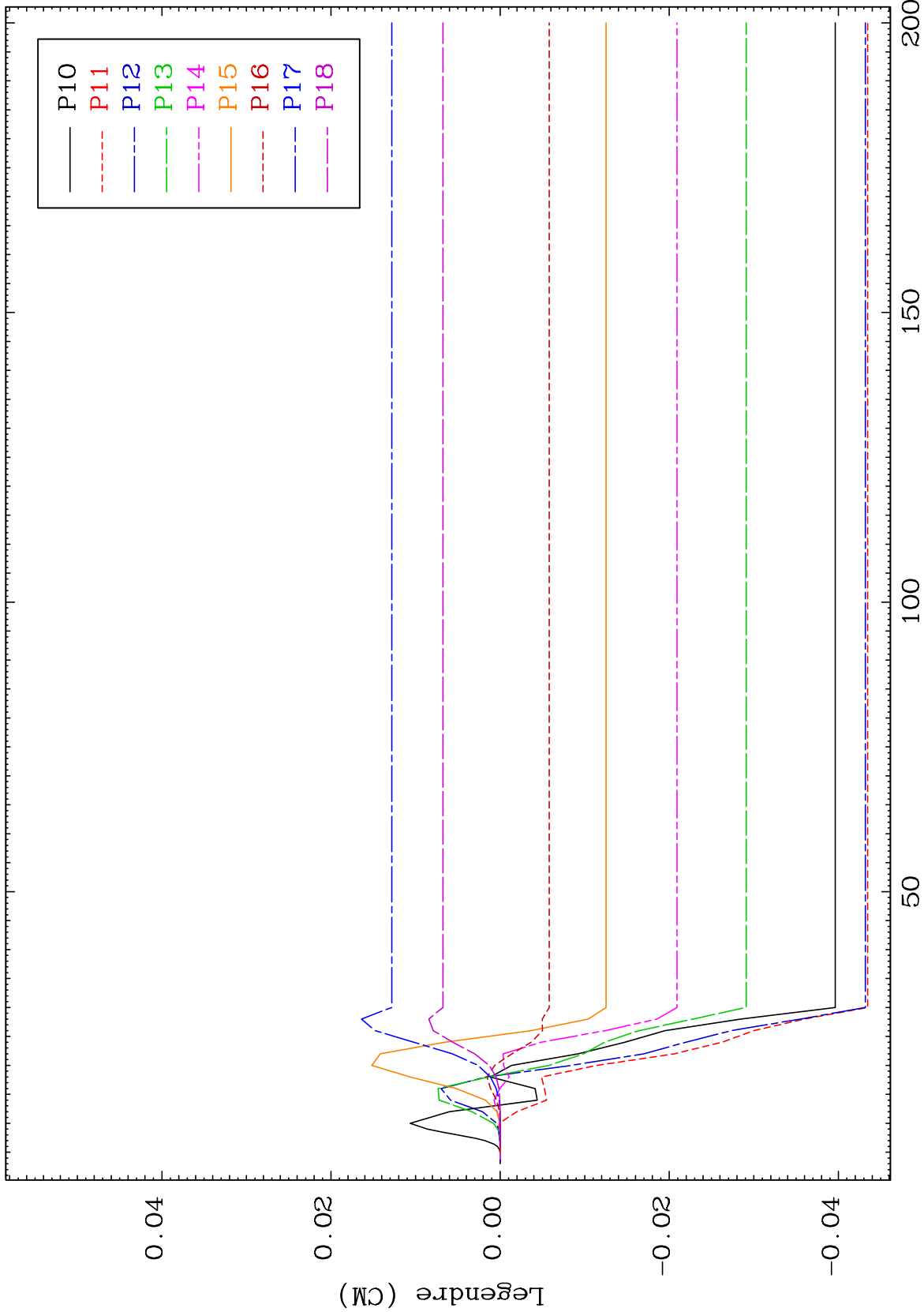




MAT 6404

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

64-Gd-145



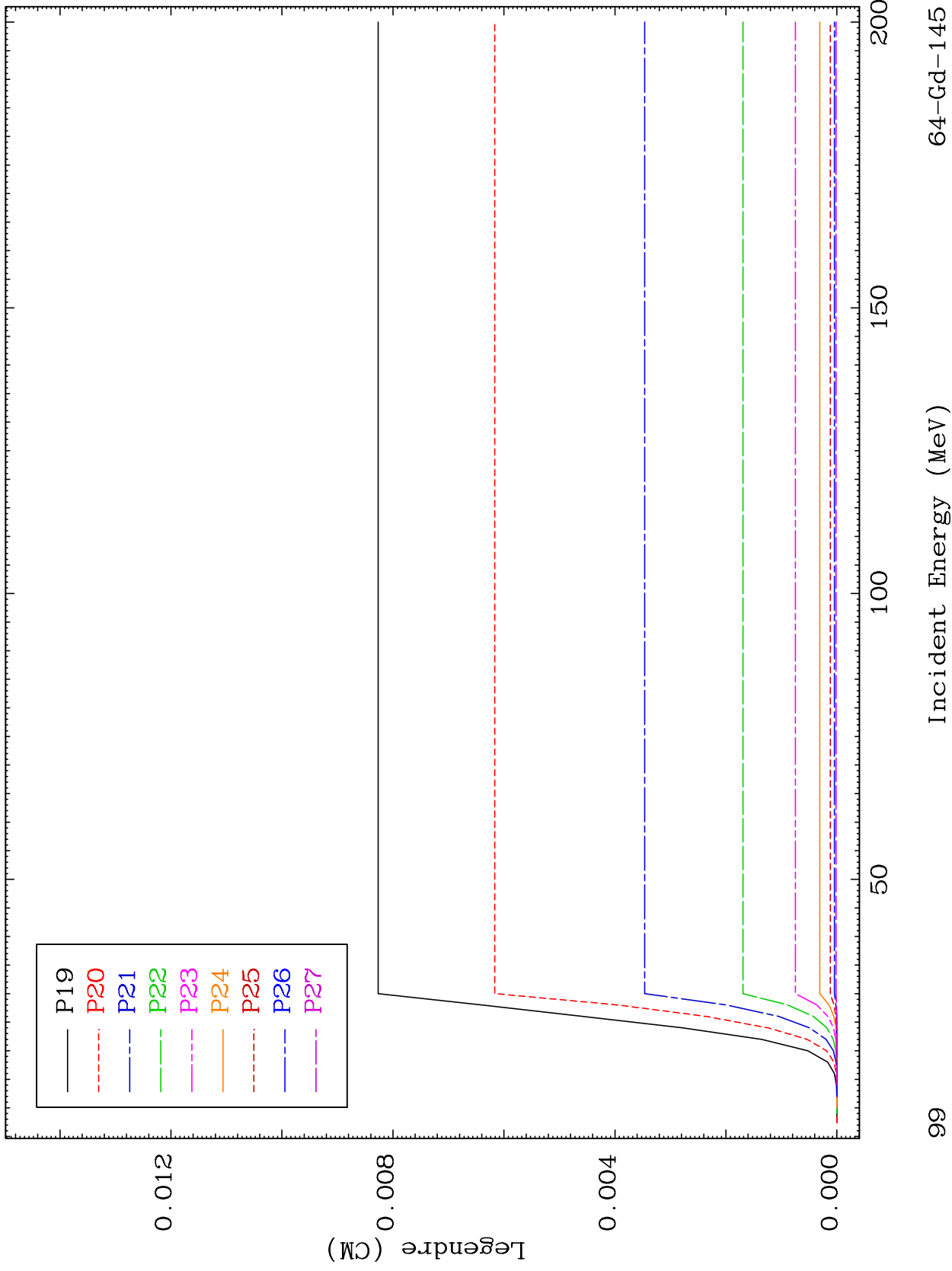
98

64-Gd-145

MAT 6404

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

64-Gd-145



99

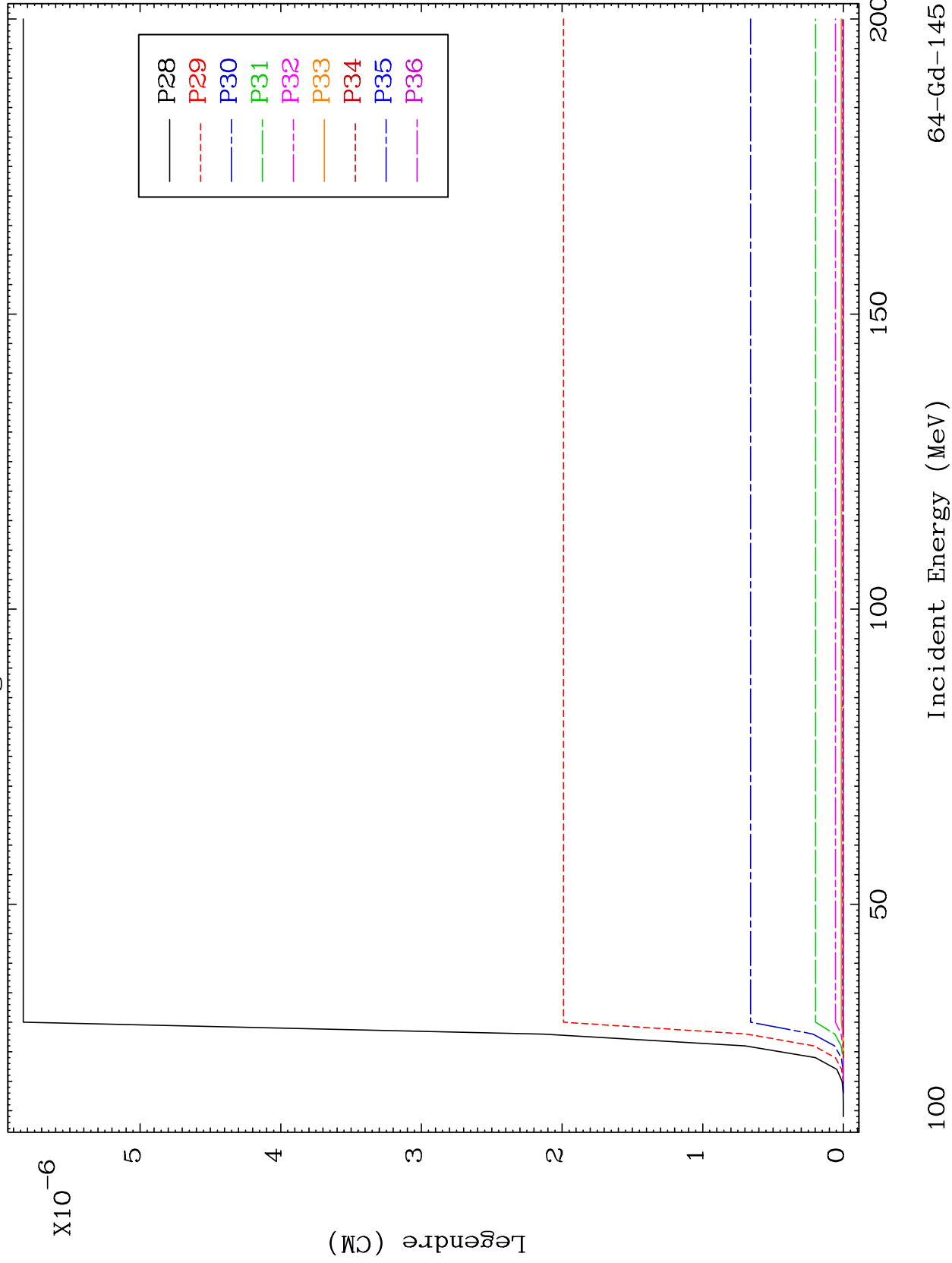
Incident Energy (MeV)

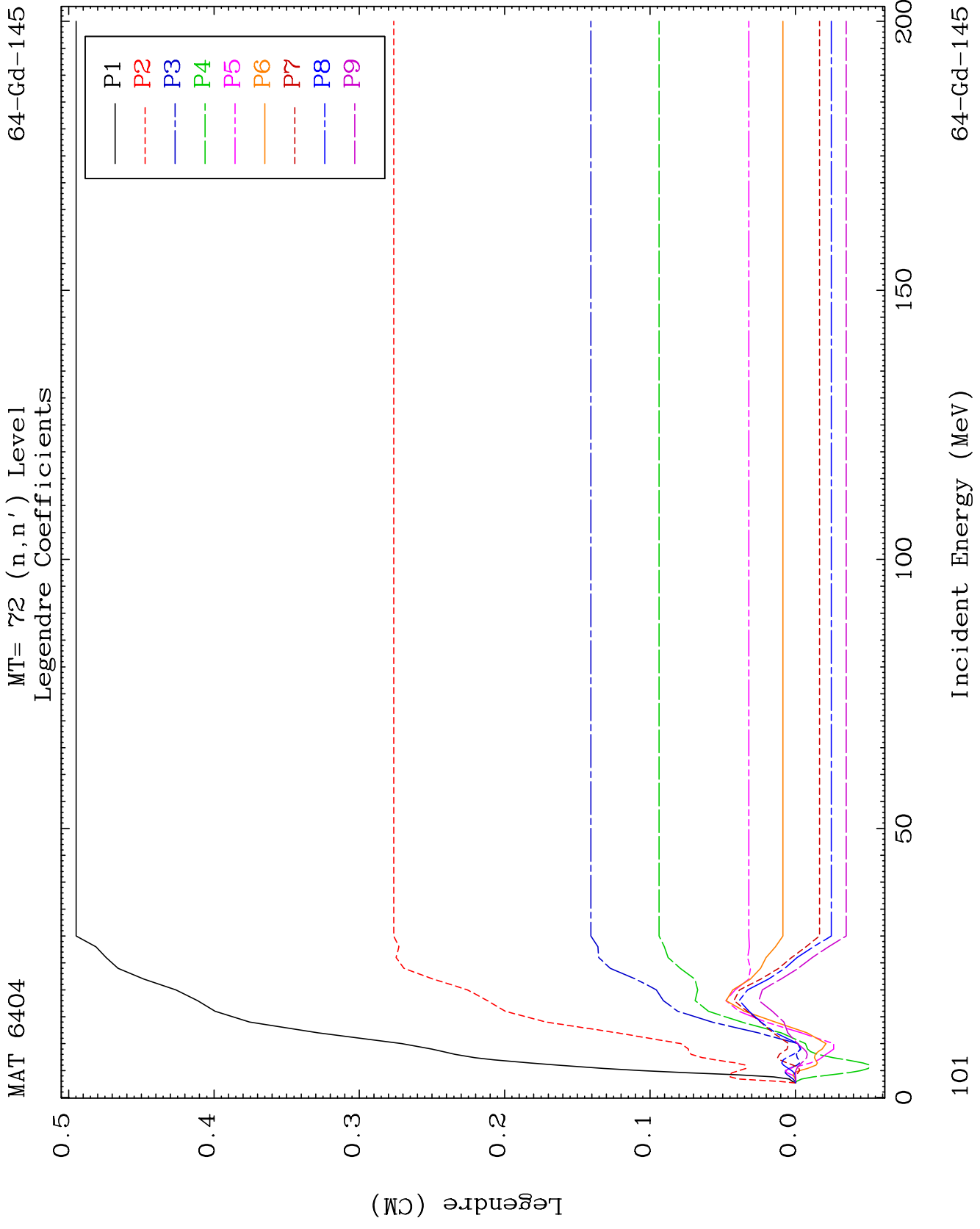
64-Gd-145

MAT 6404

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

64-Gd-145

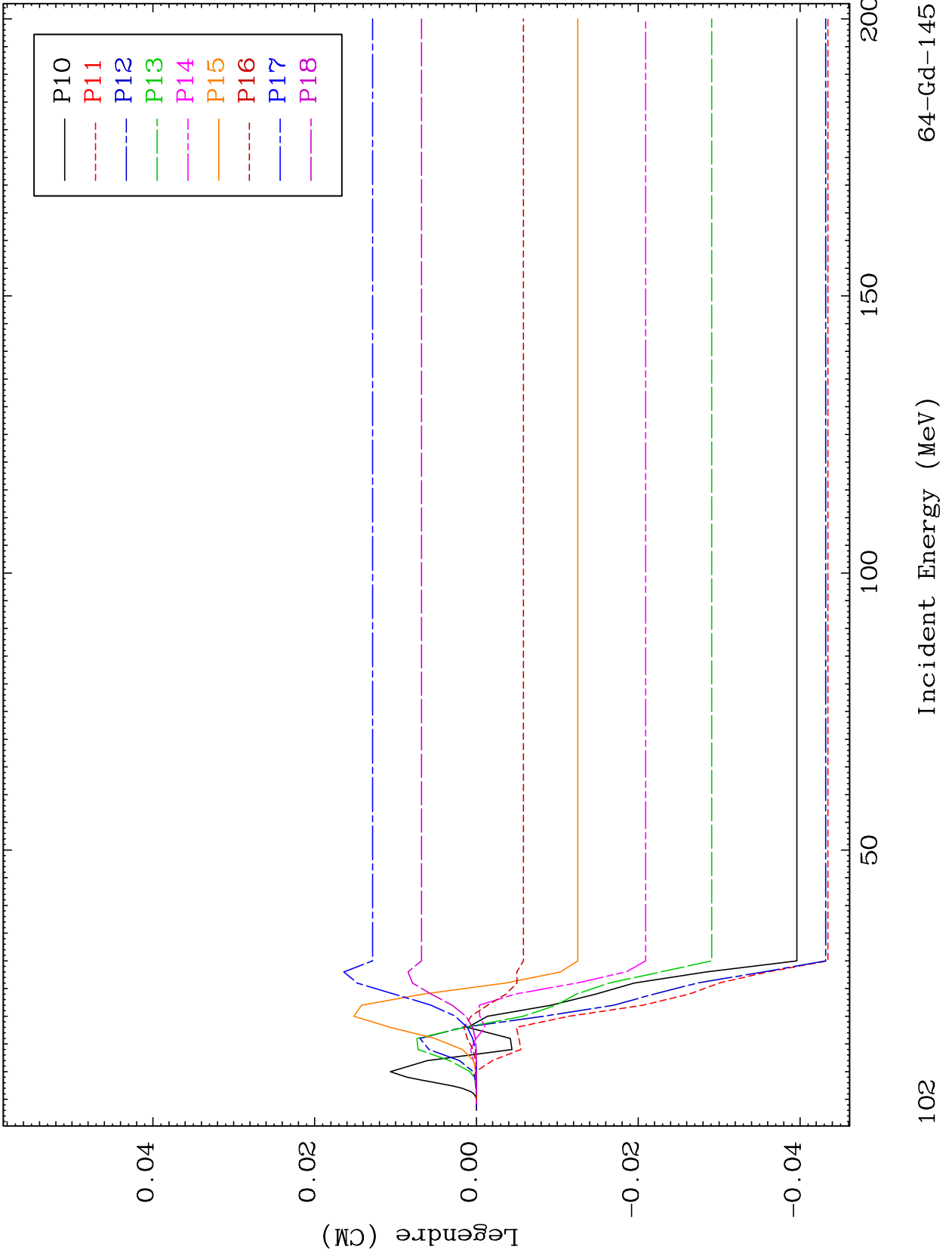




MAT 6404

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

64-Gd-145



102

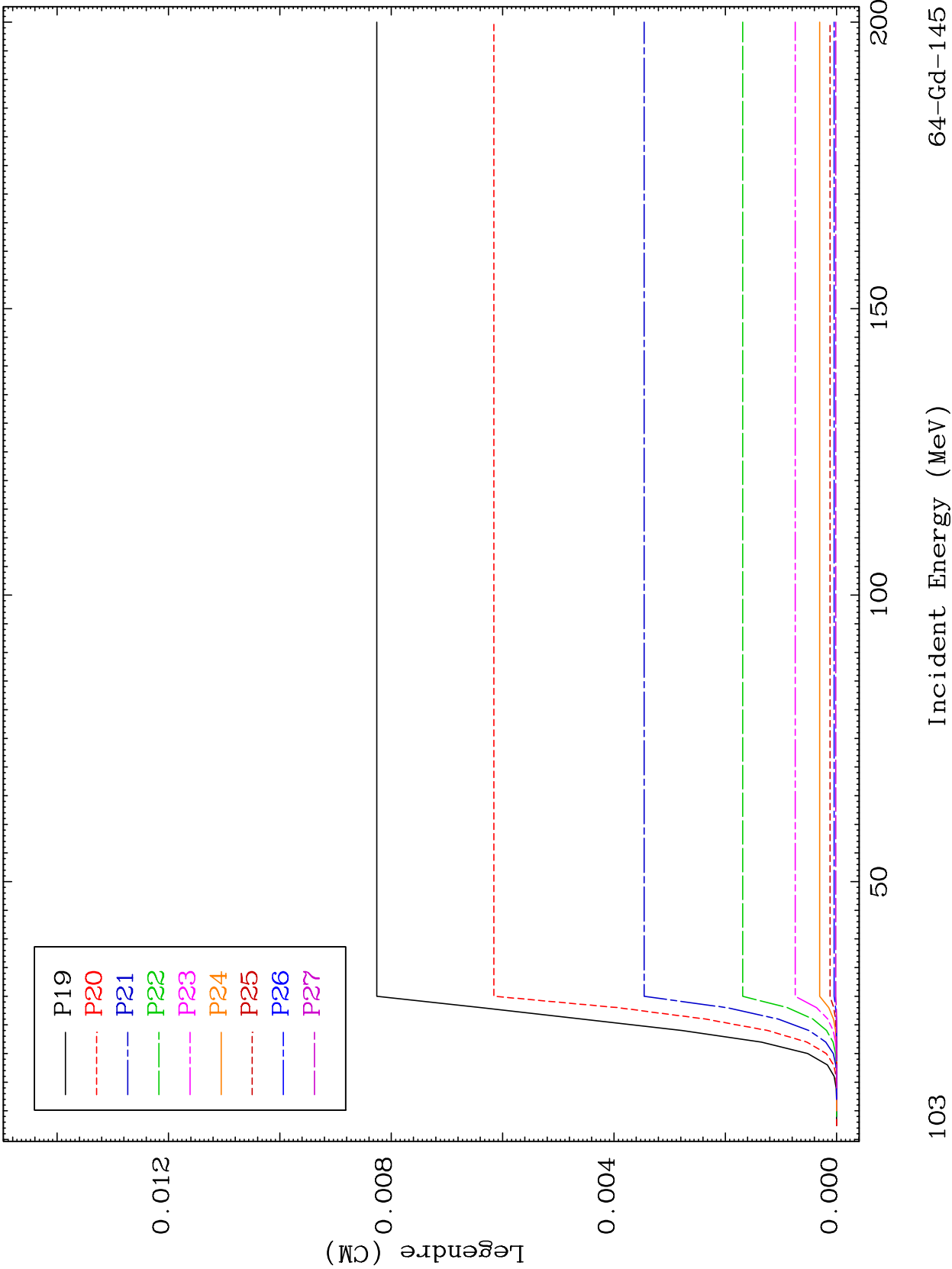
Incident Energy (MeV)

64-Gd-145

MAT 6404

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

64-Gd-145



103

Incident Energy (MeV)

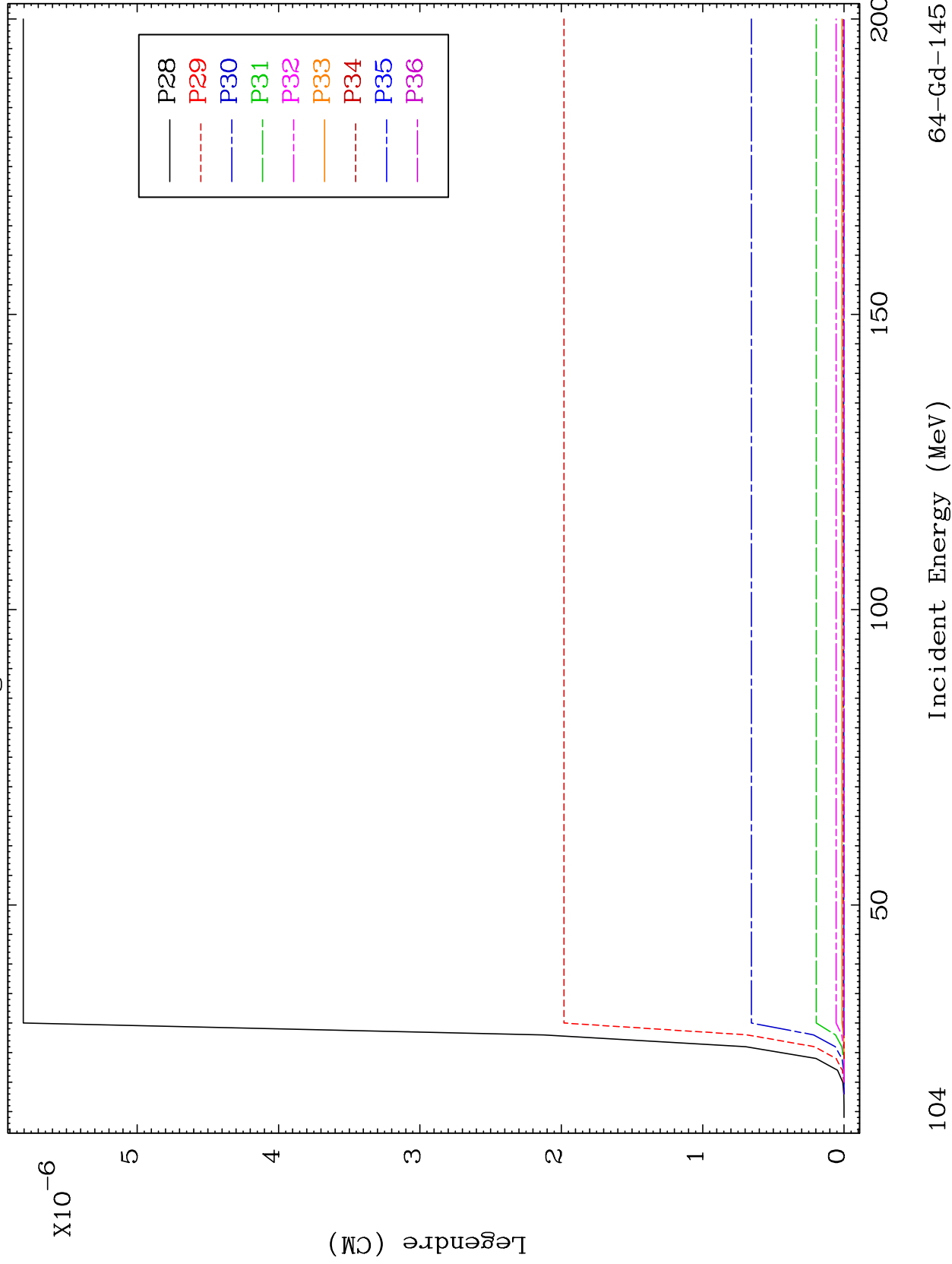
64-Gd-145



MAT 6404

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

64-Gd-145



104

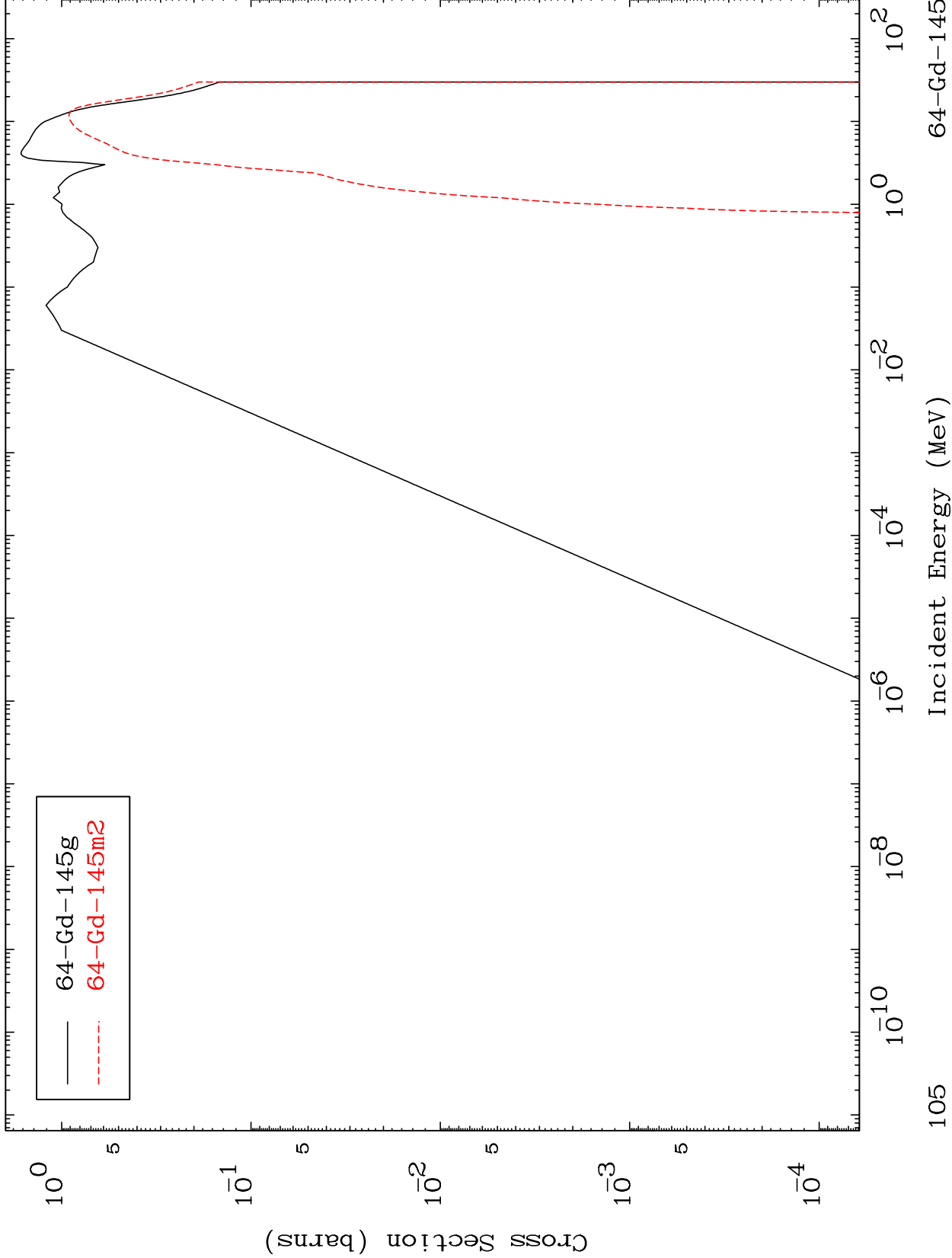
Incident Energy (MeV)

64-Gd-145

MAT 6404

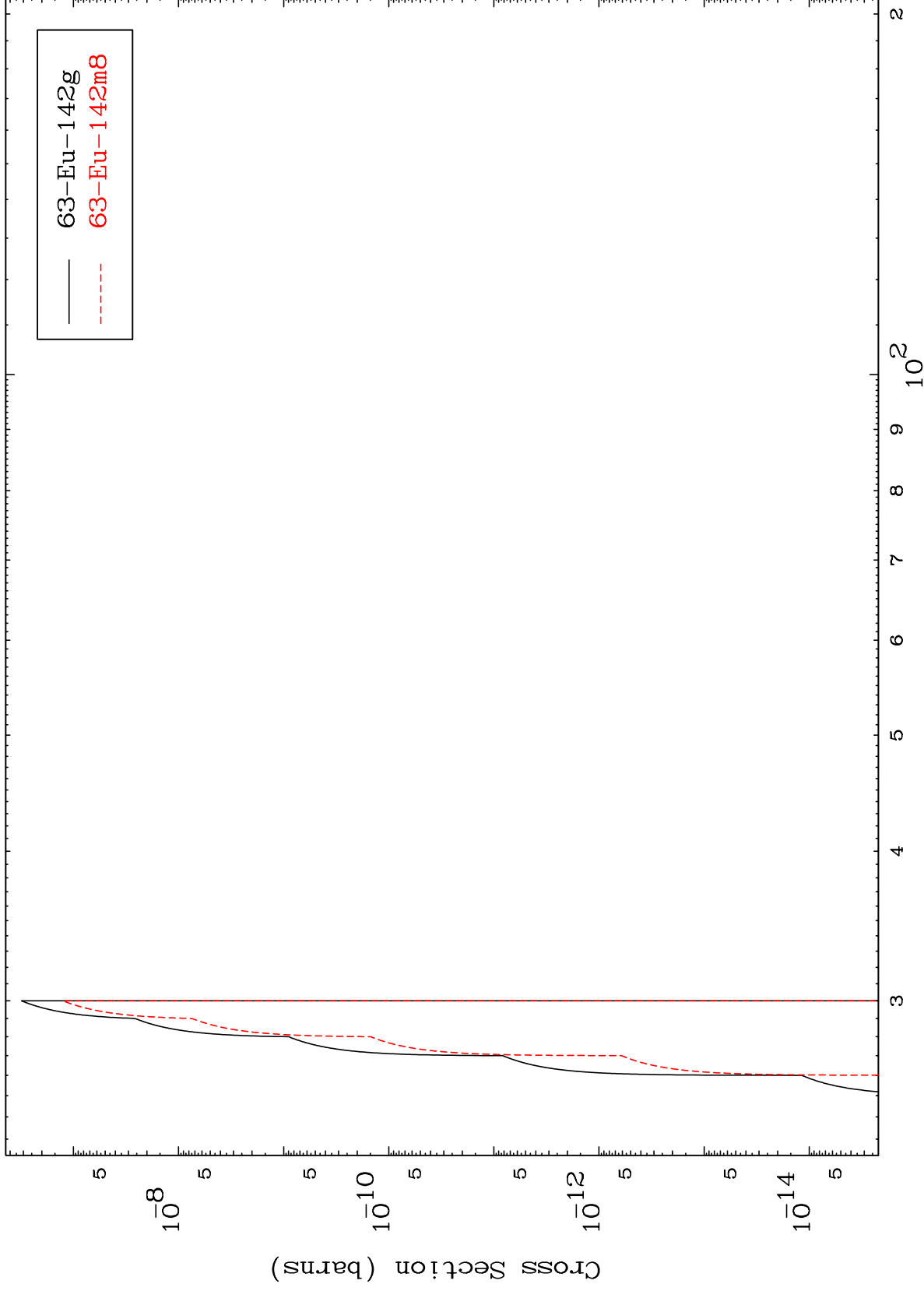
Inelastic  
Radionuclide Production Cross Section

64-Gd-145



105

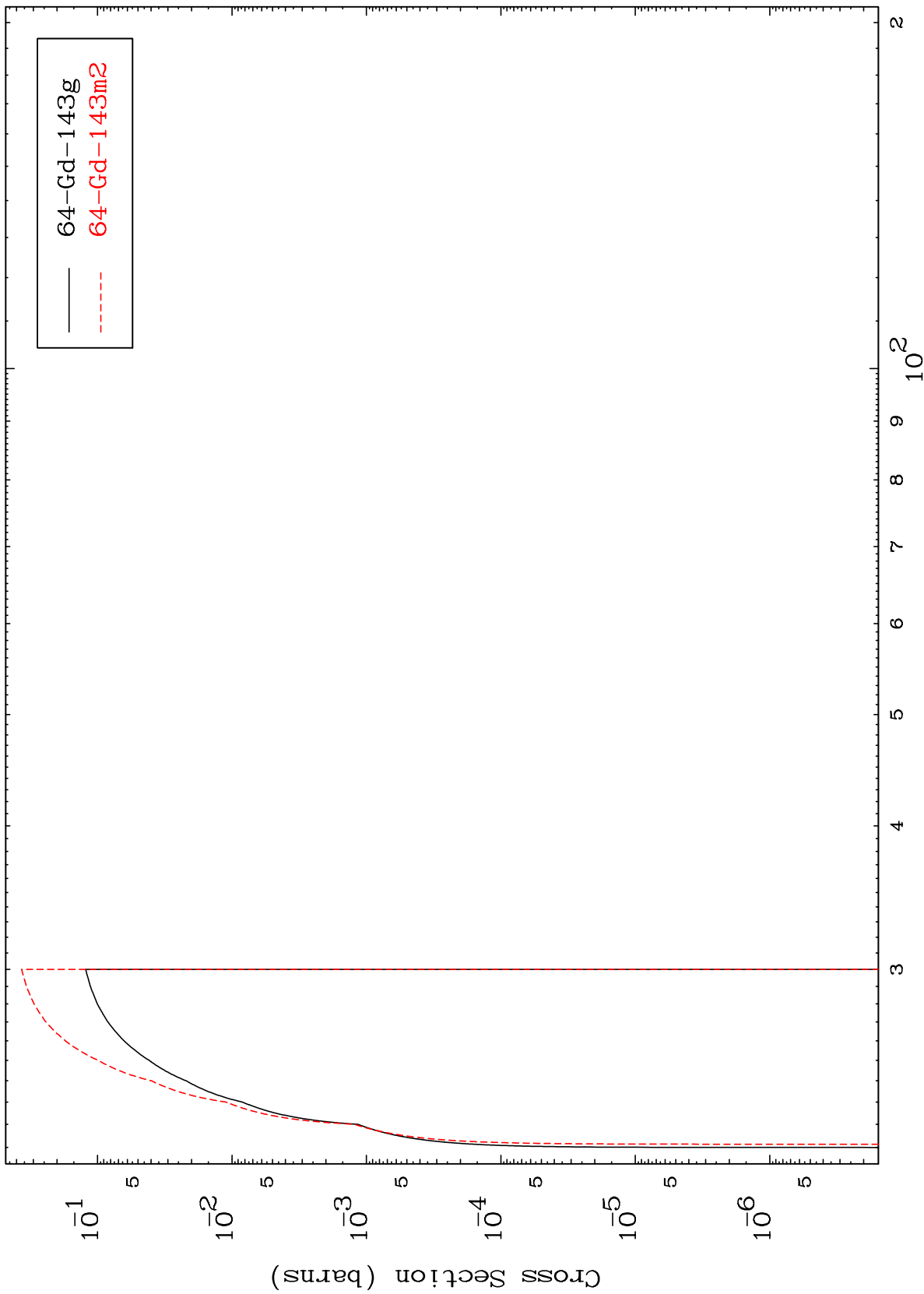
Radionuclide Production Cross Section



MAT 6404

64-Gd-145

(n,3n)  
Radionuclide Production Cross Section



107

64-Gd-145

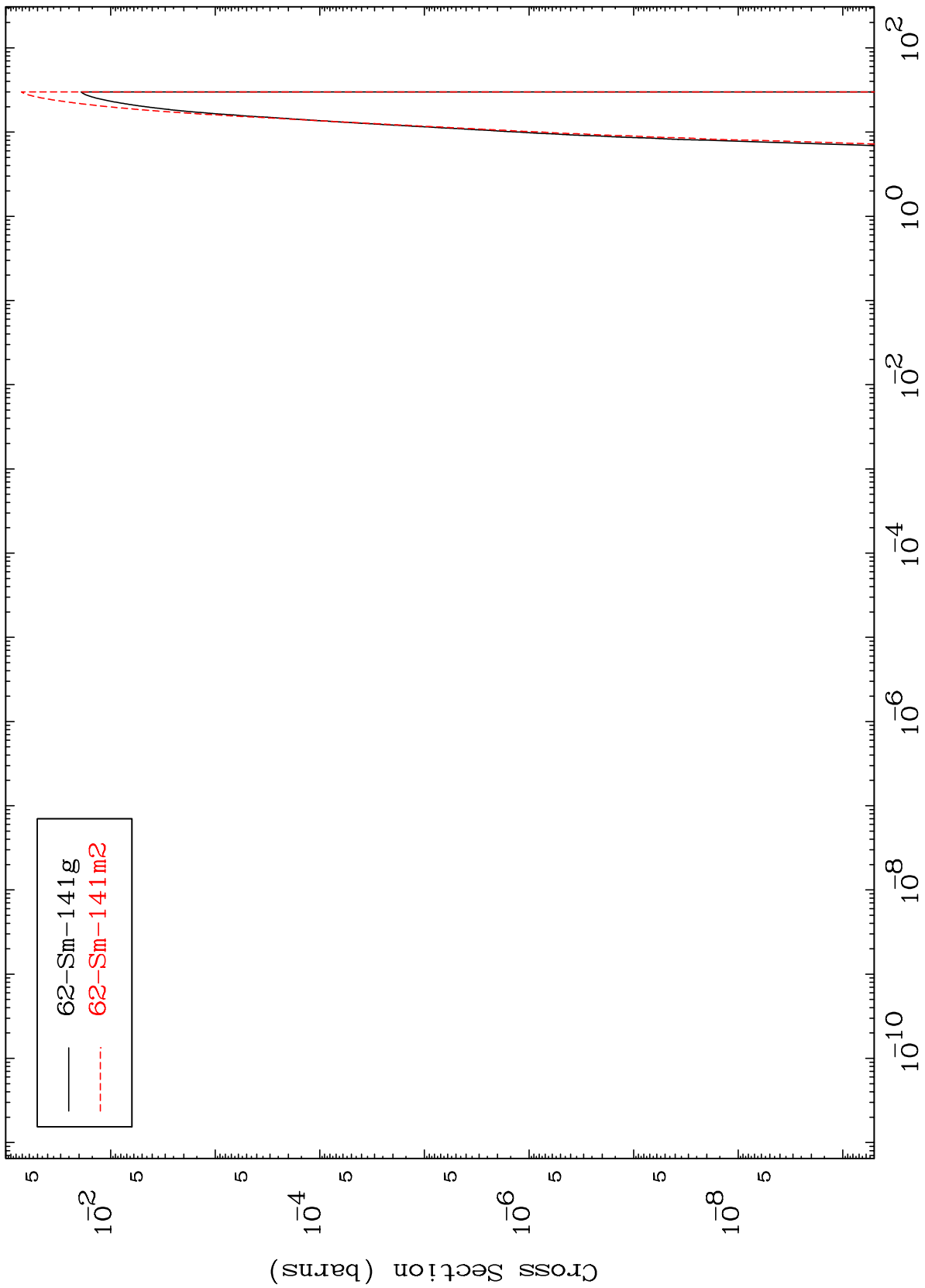
Incident Energy (MeV)

MAT 6404

(n,n')  $\alpha$

64-Gd-145

Radionuclide Production Cross Section



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

108

Incident Energy (MeV)

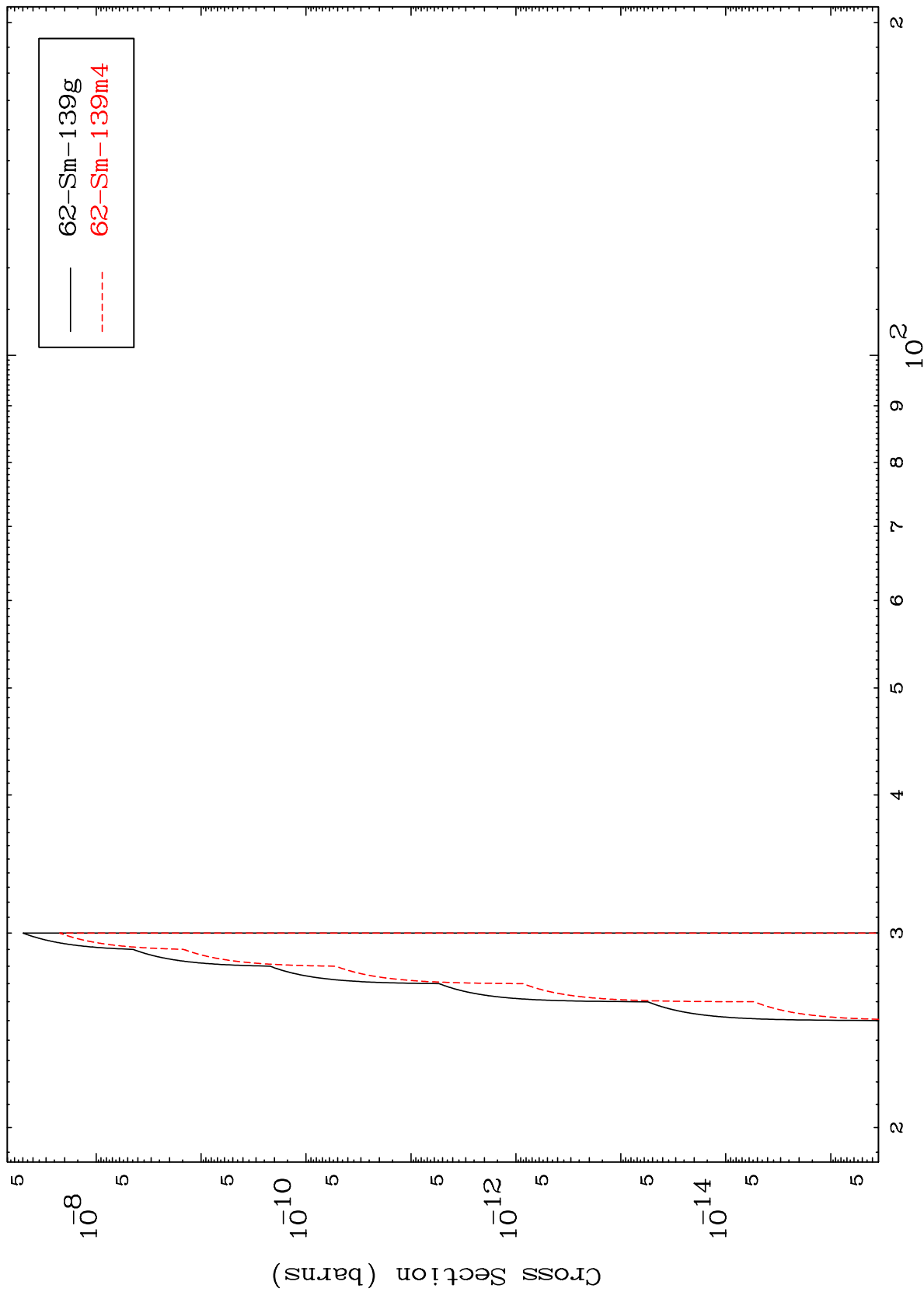
64-Gd-145

MAT 6404

$(n,3n) \alpha$

64-Gd-145

Radionuclide Production Cross Section



109

Incident Energy (MeV)

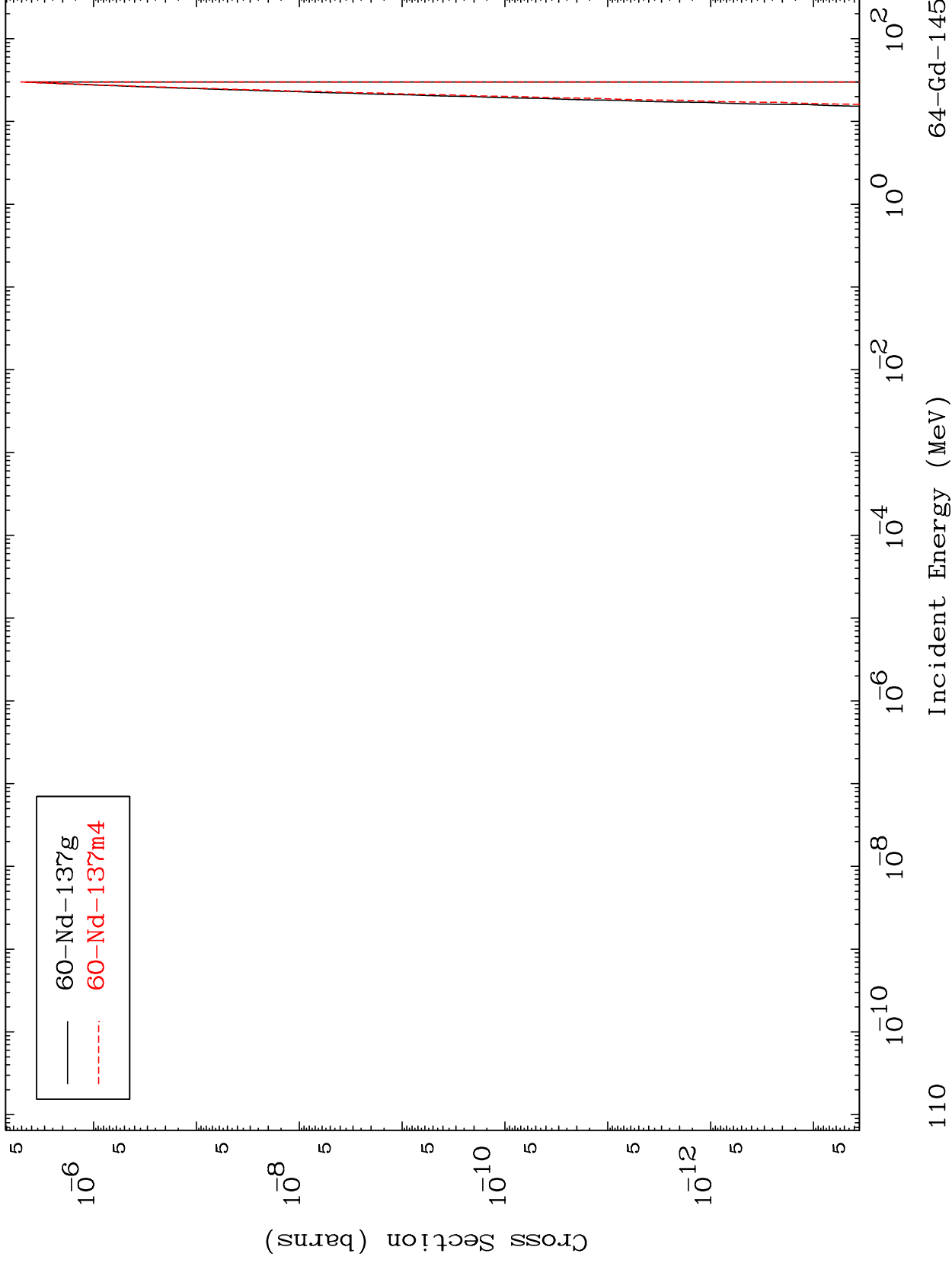
64-Gd-145

MAT 6404

(n,n') 2α

64-Gd-145

Radionuclide Production Cross Section

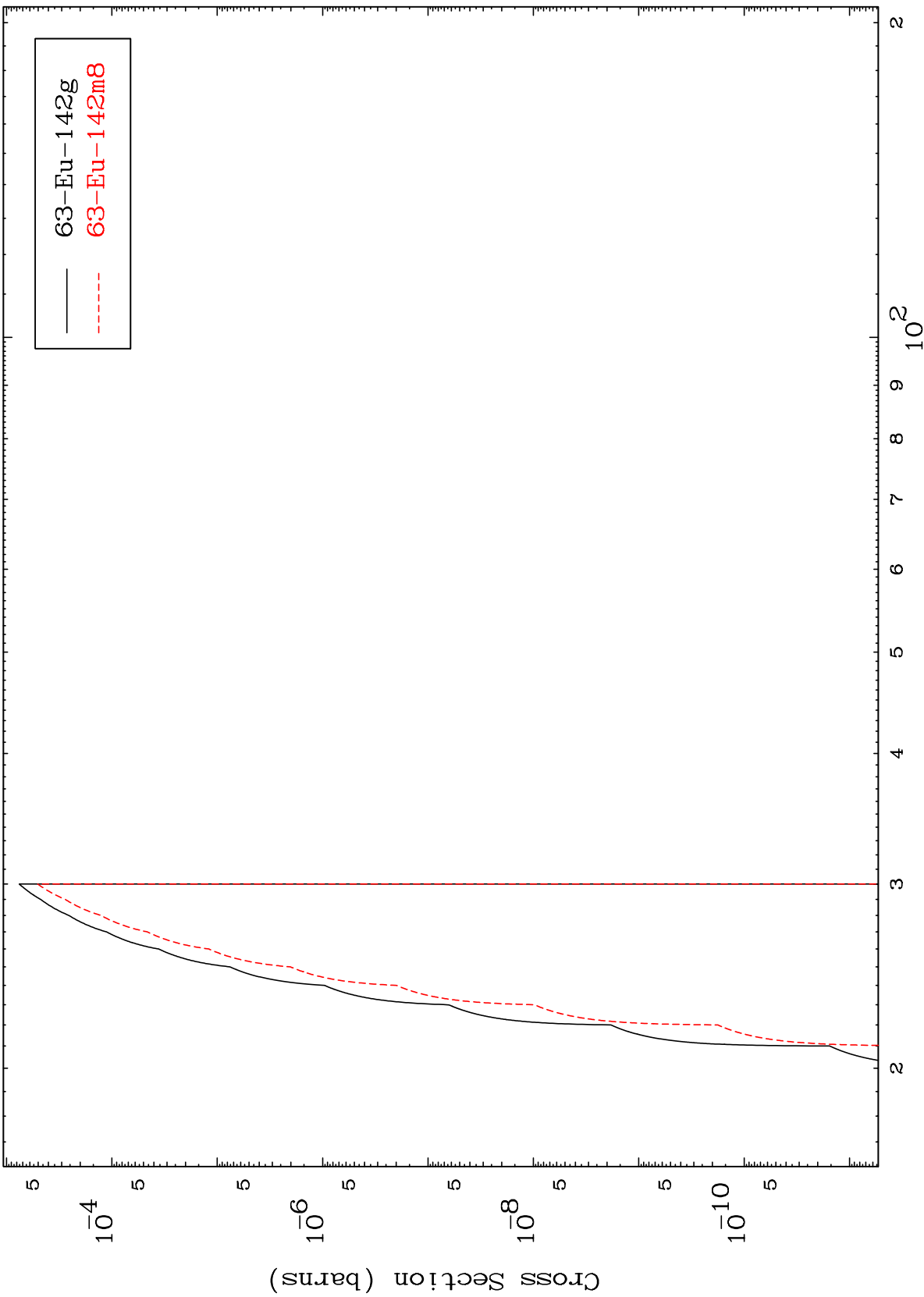


MAT 6404

(n,n') t

64-Gd-145

Radionuclide Production Cross Section



111

Incident Energy (MeV)

64-Gd-145

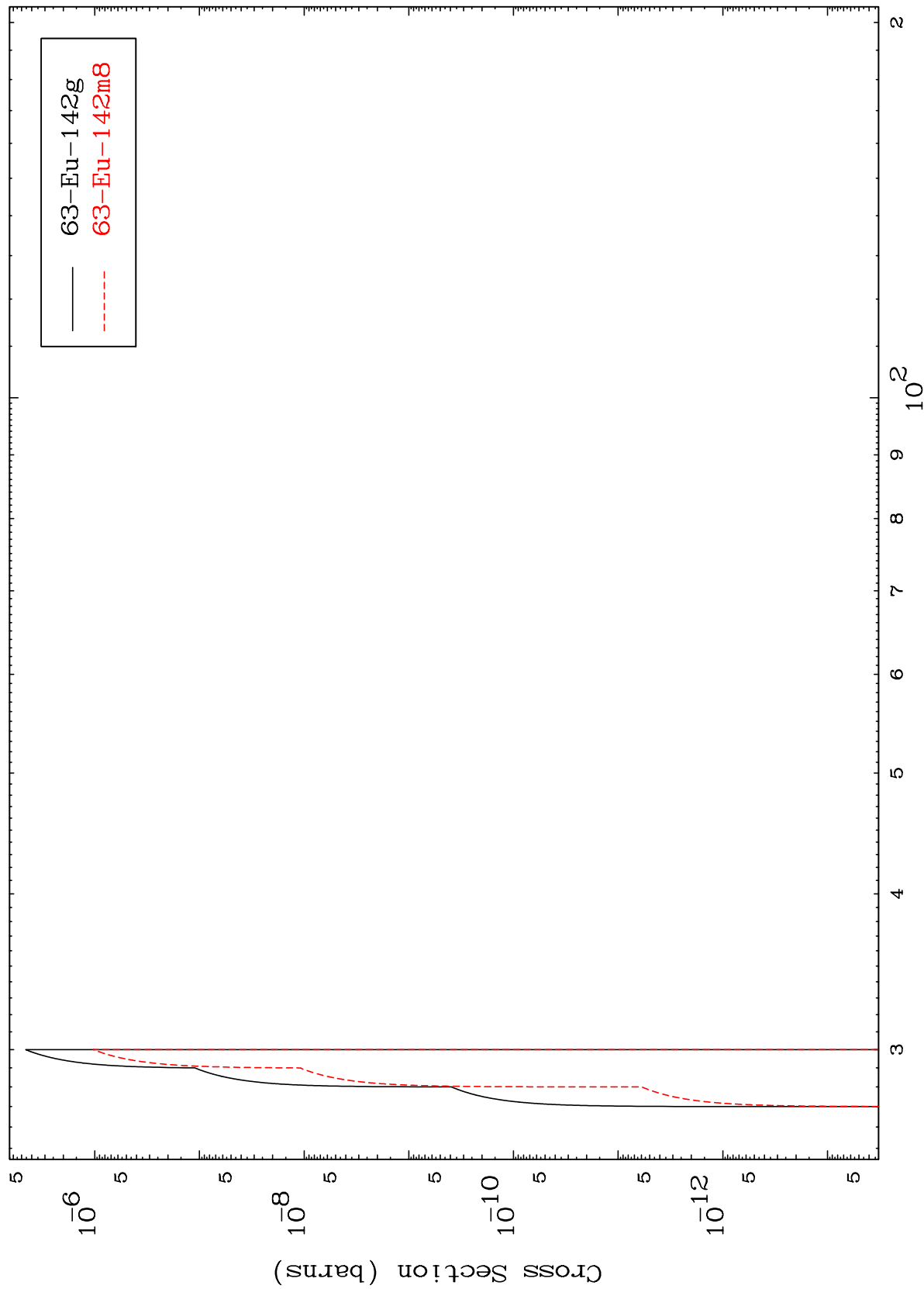


MAT 6404

(n,3n) p

64-Gd-145

Radionuclide Production Cross Section



112

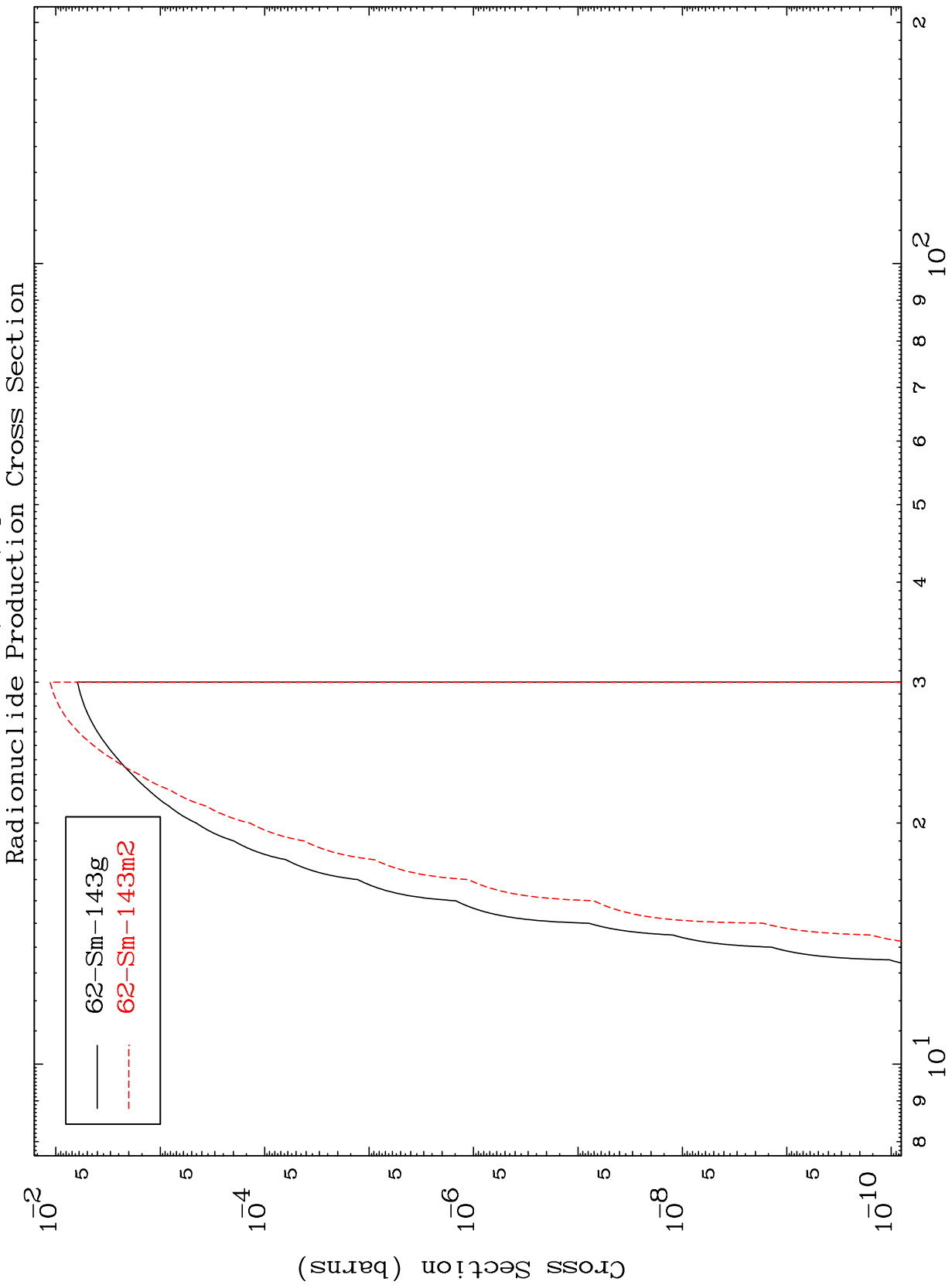
Incident Energy (MeV)

64-Gd-145

MAT 6404

(n,2n) p

64-Gd-145



113

Incident Energy (MeV)

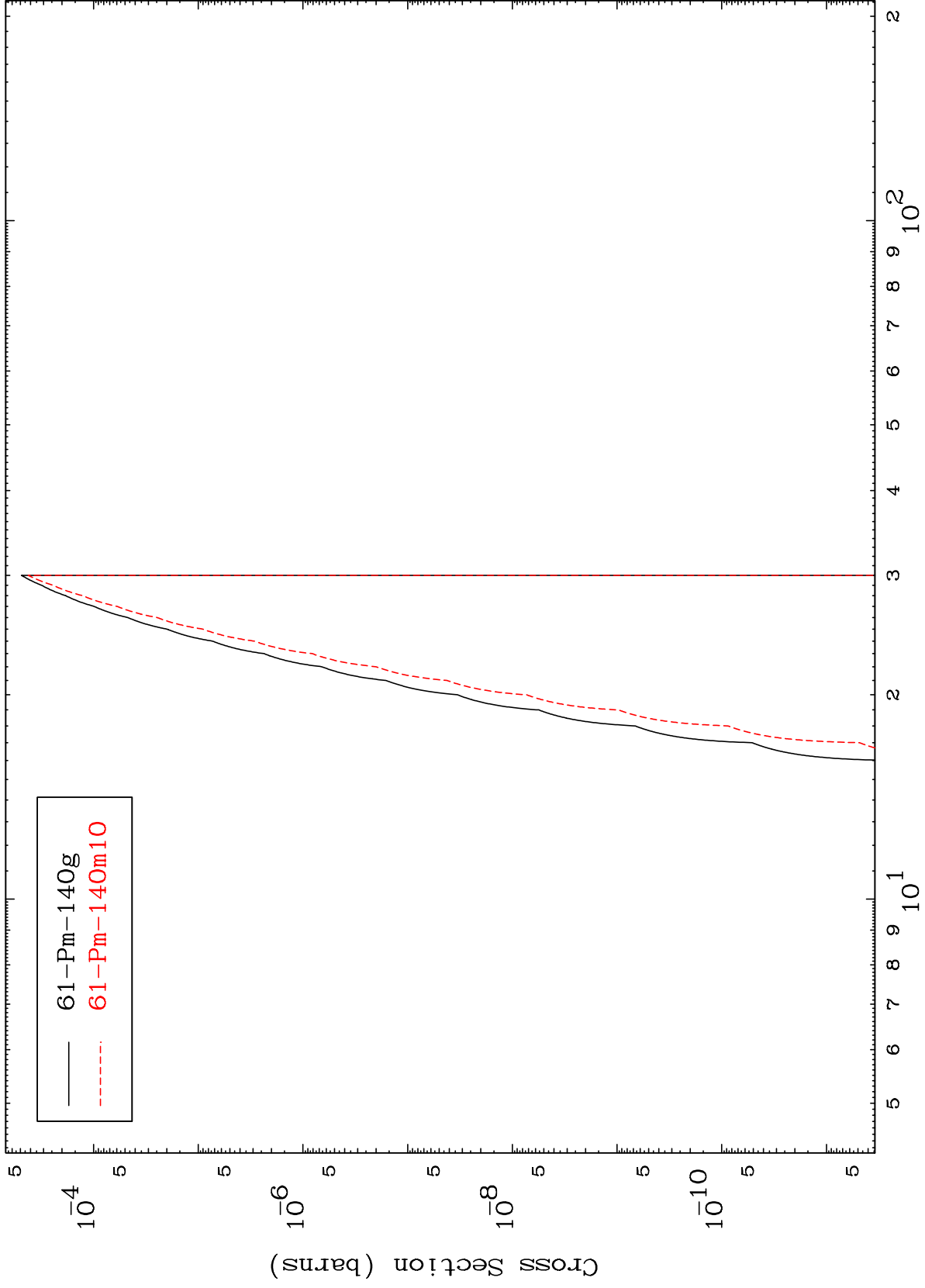
64-Gd-145

MAT 6404

(n,n') p  $\alpha$

64-Gd-145

Radionuclide Production Cross Section



114

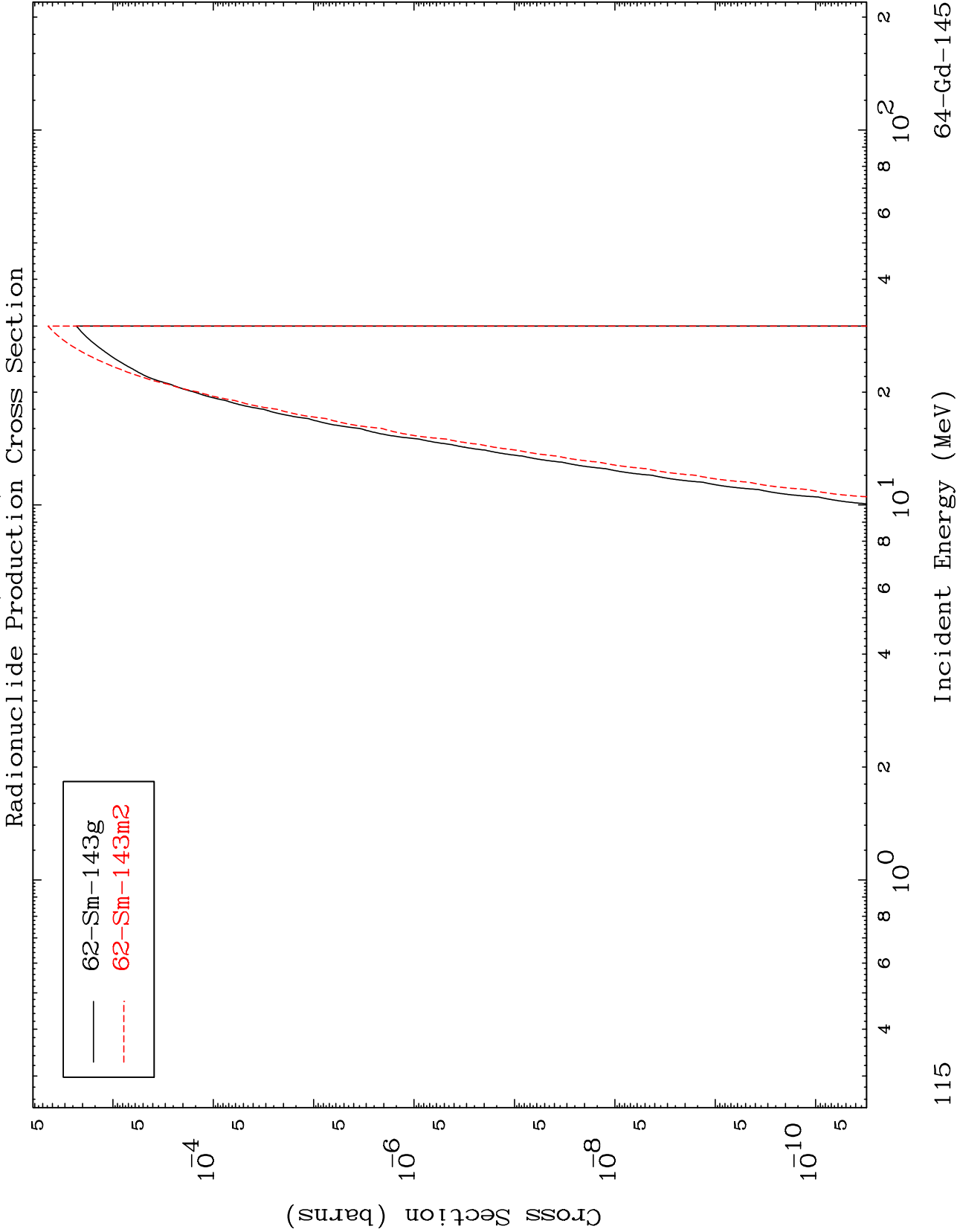
Incident Energy (MeV)

64-Gd-145

MAT 6404

(n,He-3)

64-Gd-145

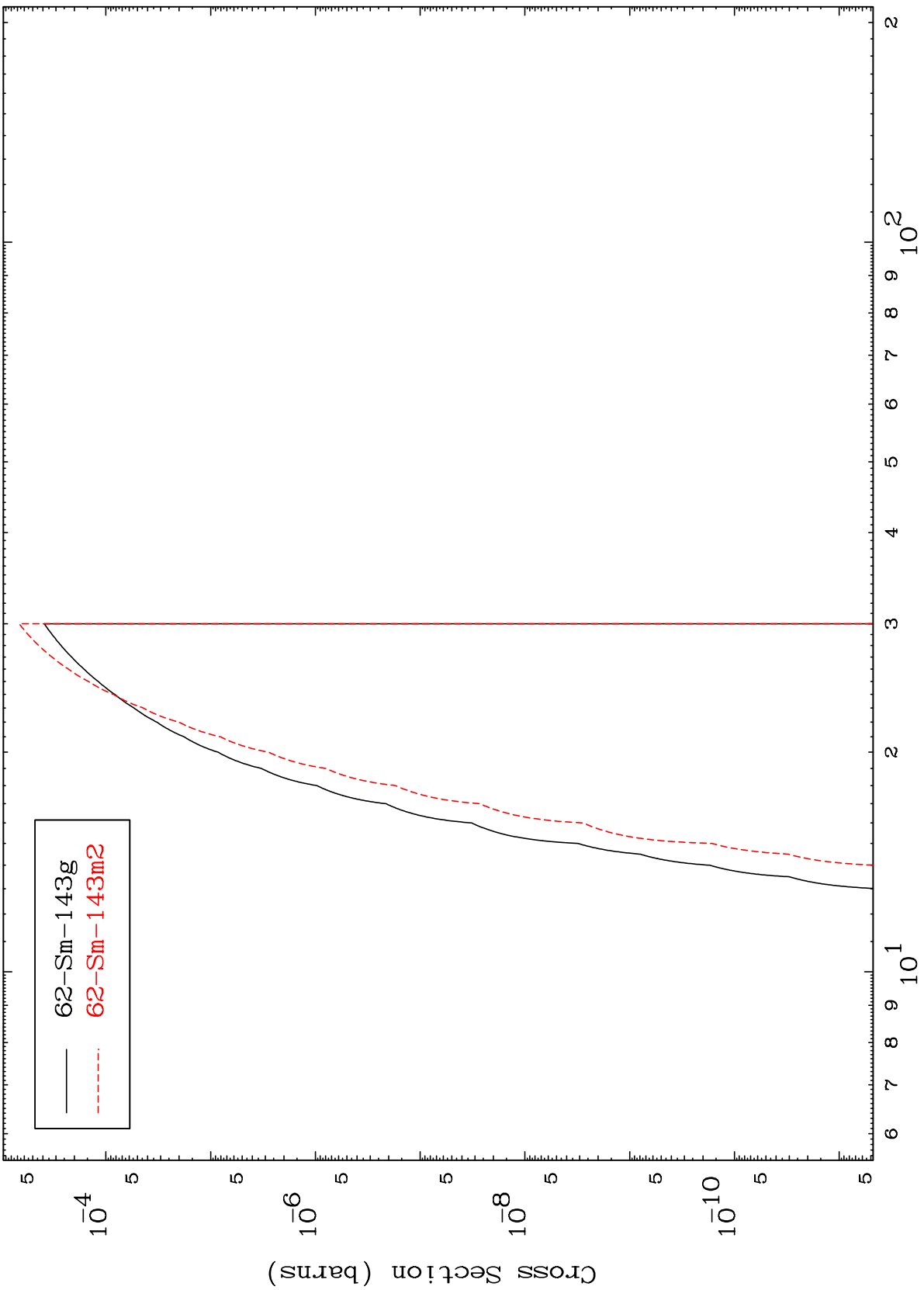


MAT 6404

(n,p) d

64-Gd-145

Radionuclide Production Cross Section



116

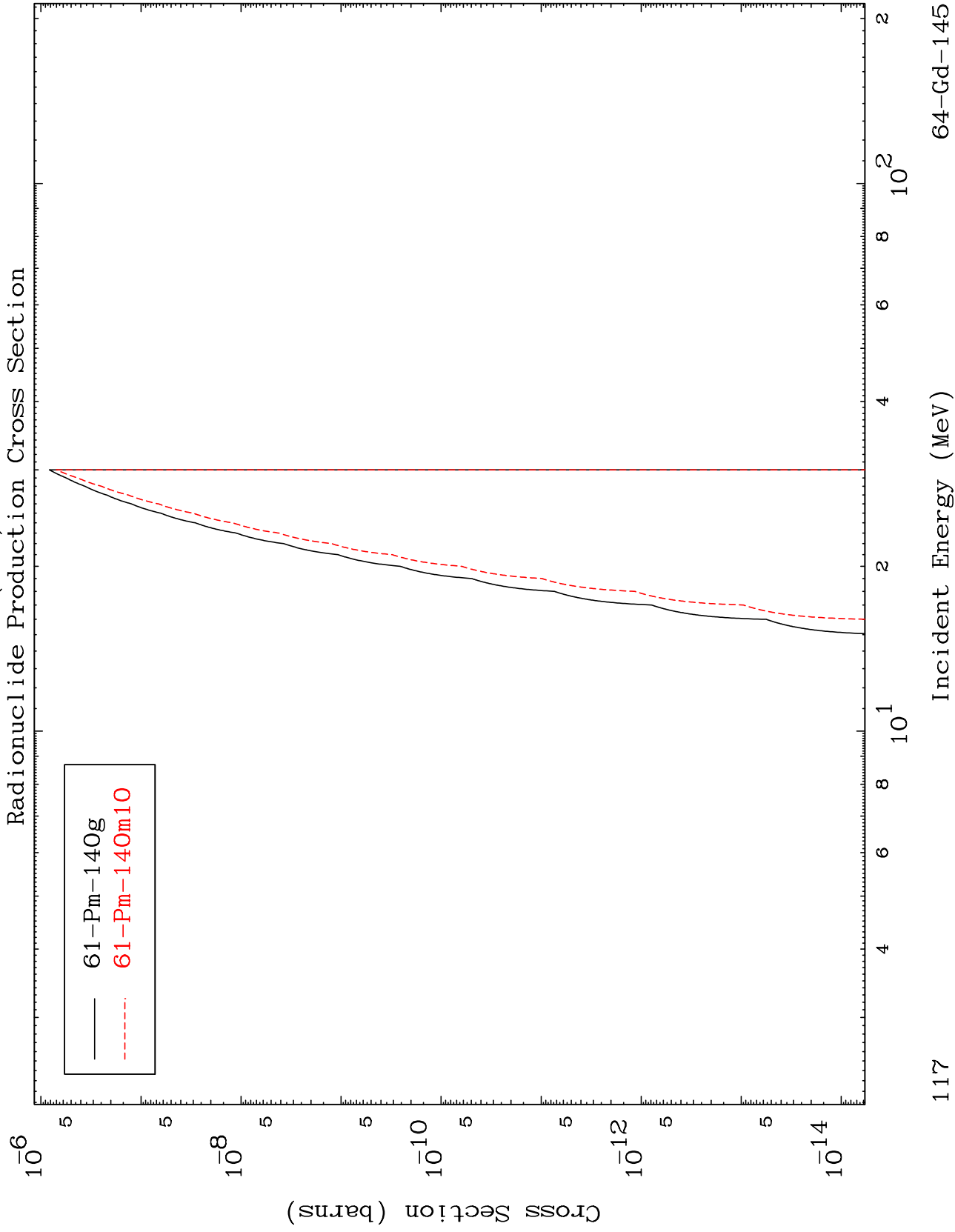
Incident Energy (MeV)

64-Gd-145

MAT 6404

(n,d)  $\alpha$

64-Gd-145



117

64-Gd-145