

Program EVALPLOT  
(Version 2018-1)

by

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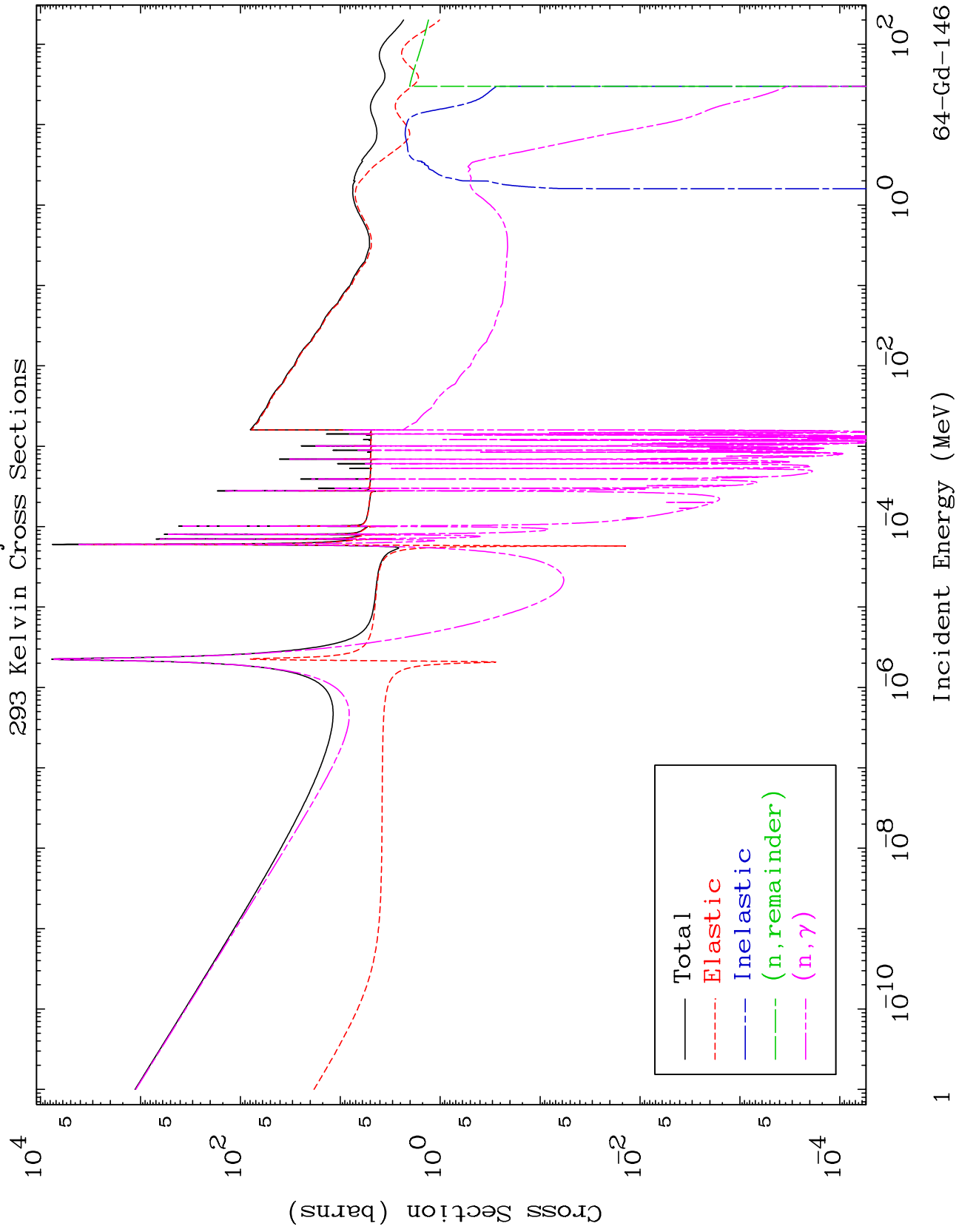
Press Mouse Button to Start

MAT 6407

Major

293 Kelvin Cross Sections

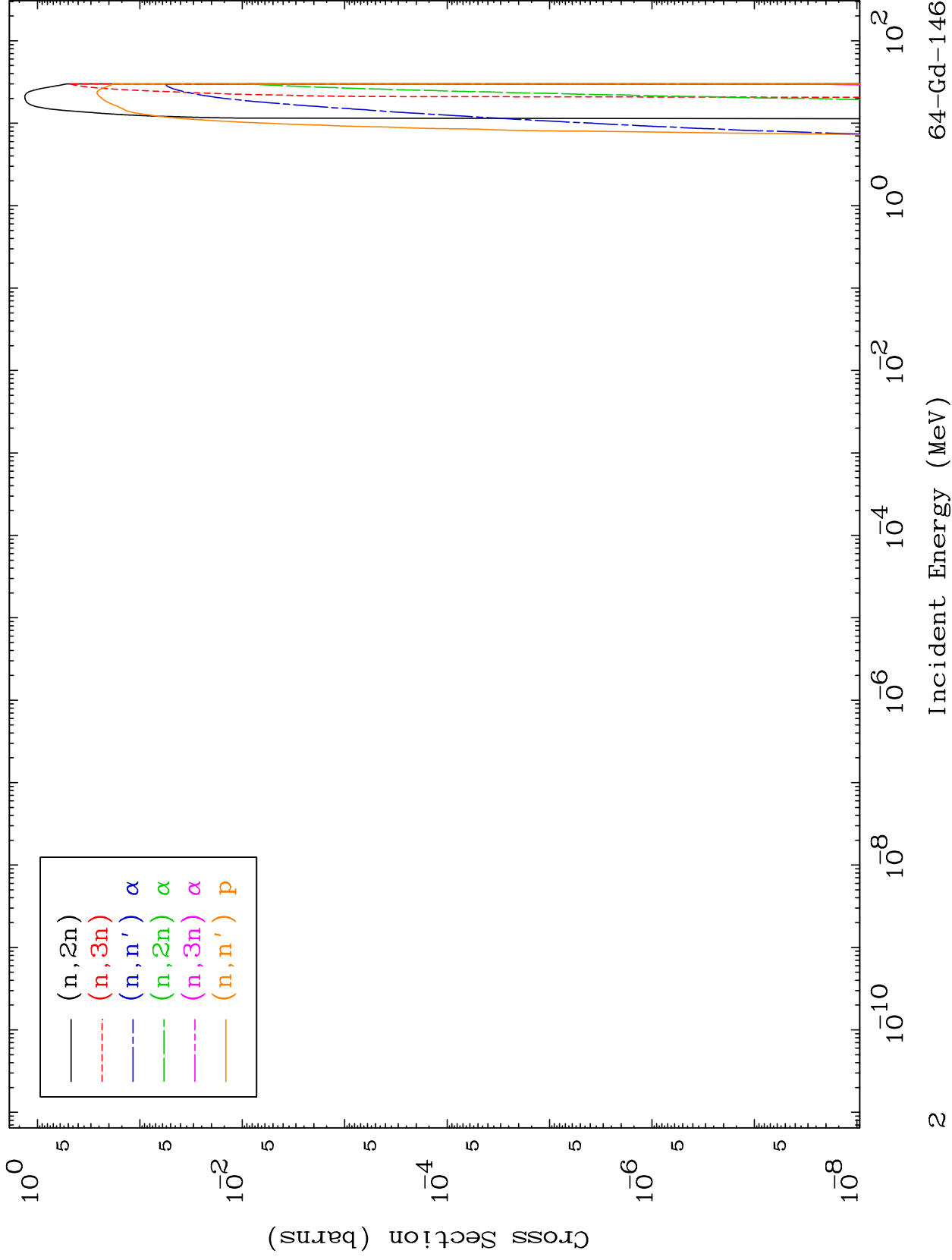
64-Gd-146



MAT 6407

Neutron Production  
293 Kelvin Cross Sections

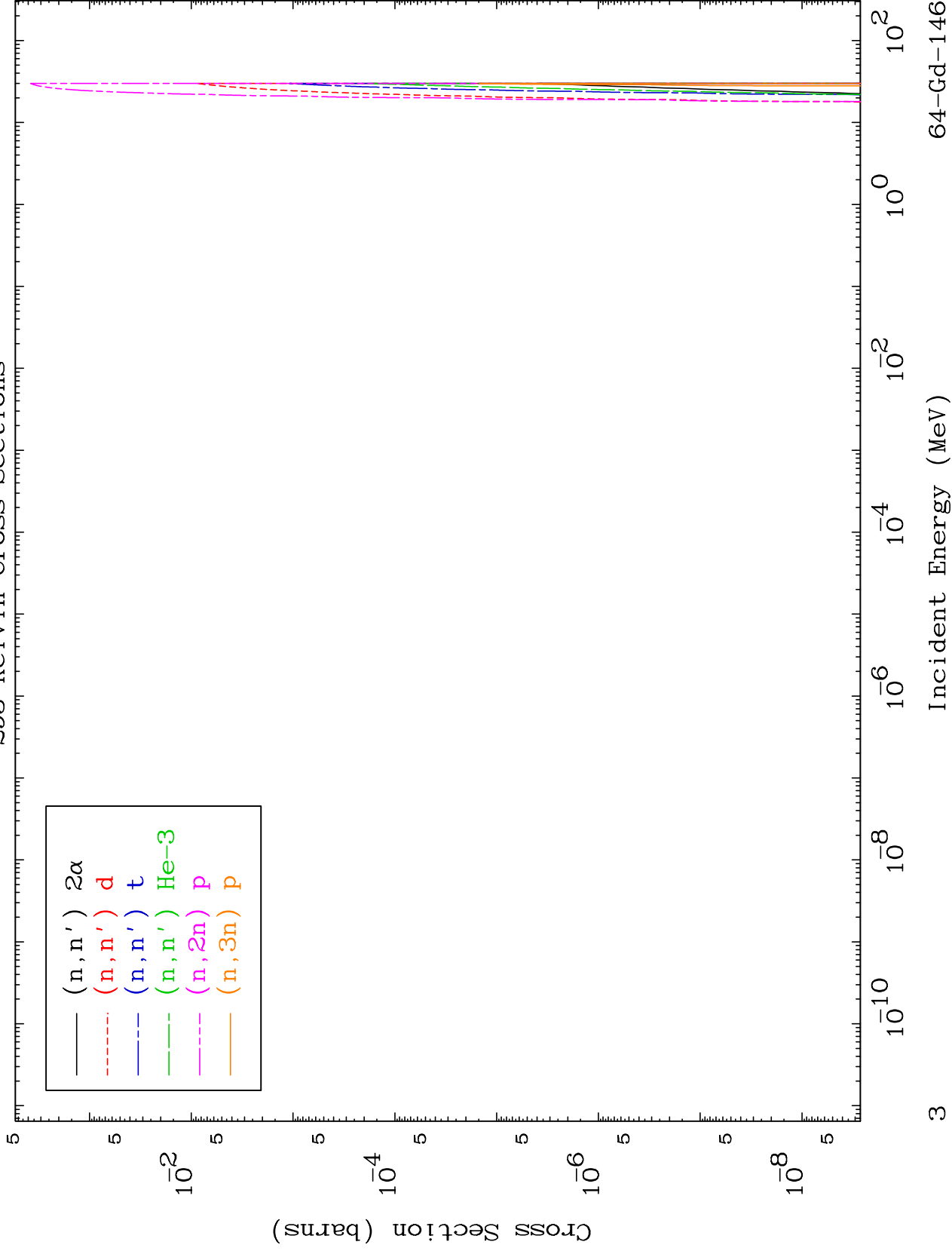
64-Gd-146



MAT 6407

Neutron Production  
293 Kelvin Cross Sections

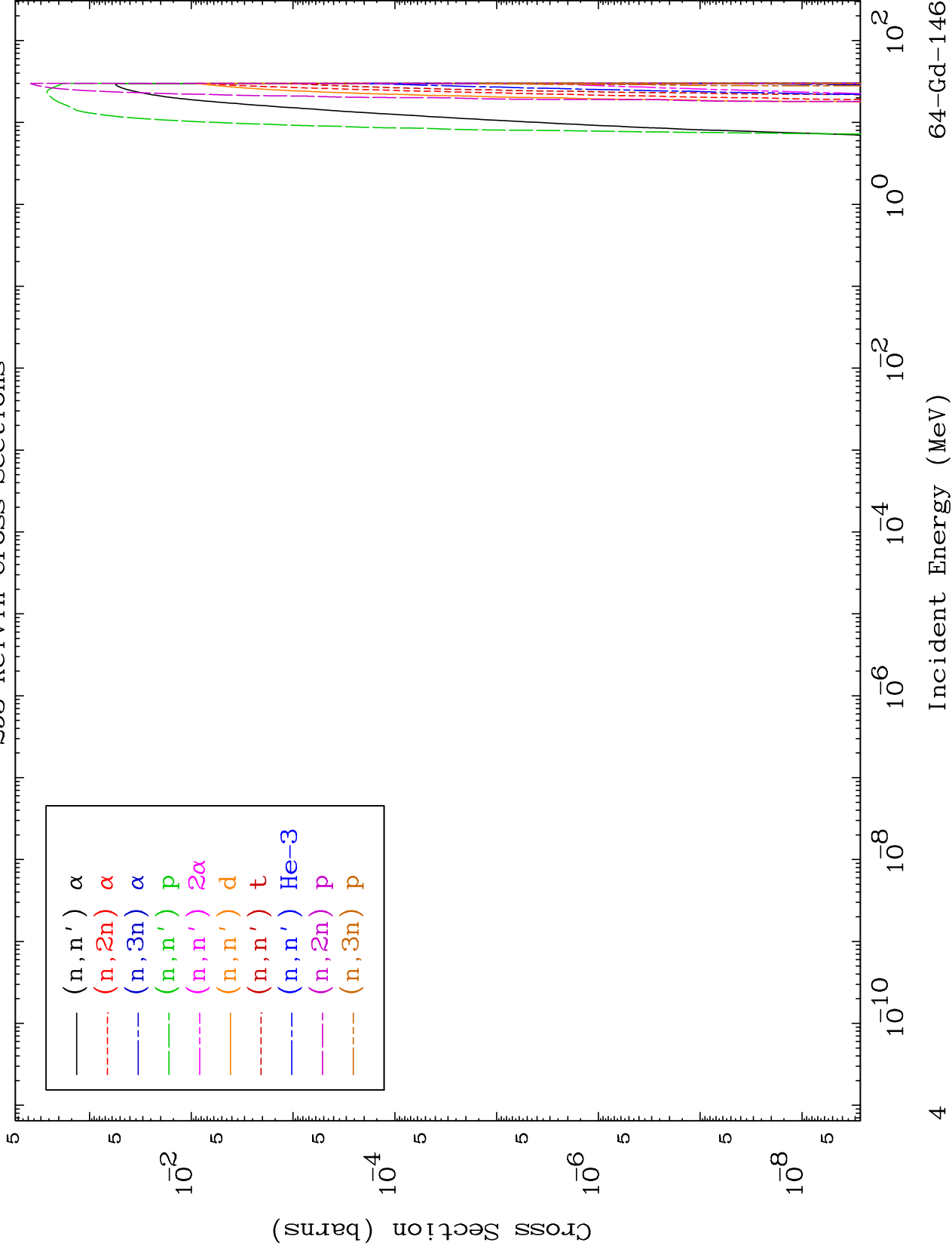
64-Gd-146



MAT 6407

Charged Particle  
293 Kelvin Cross Sections

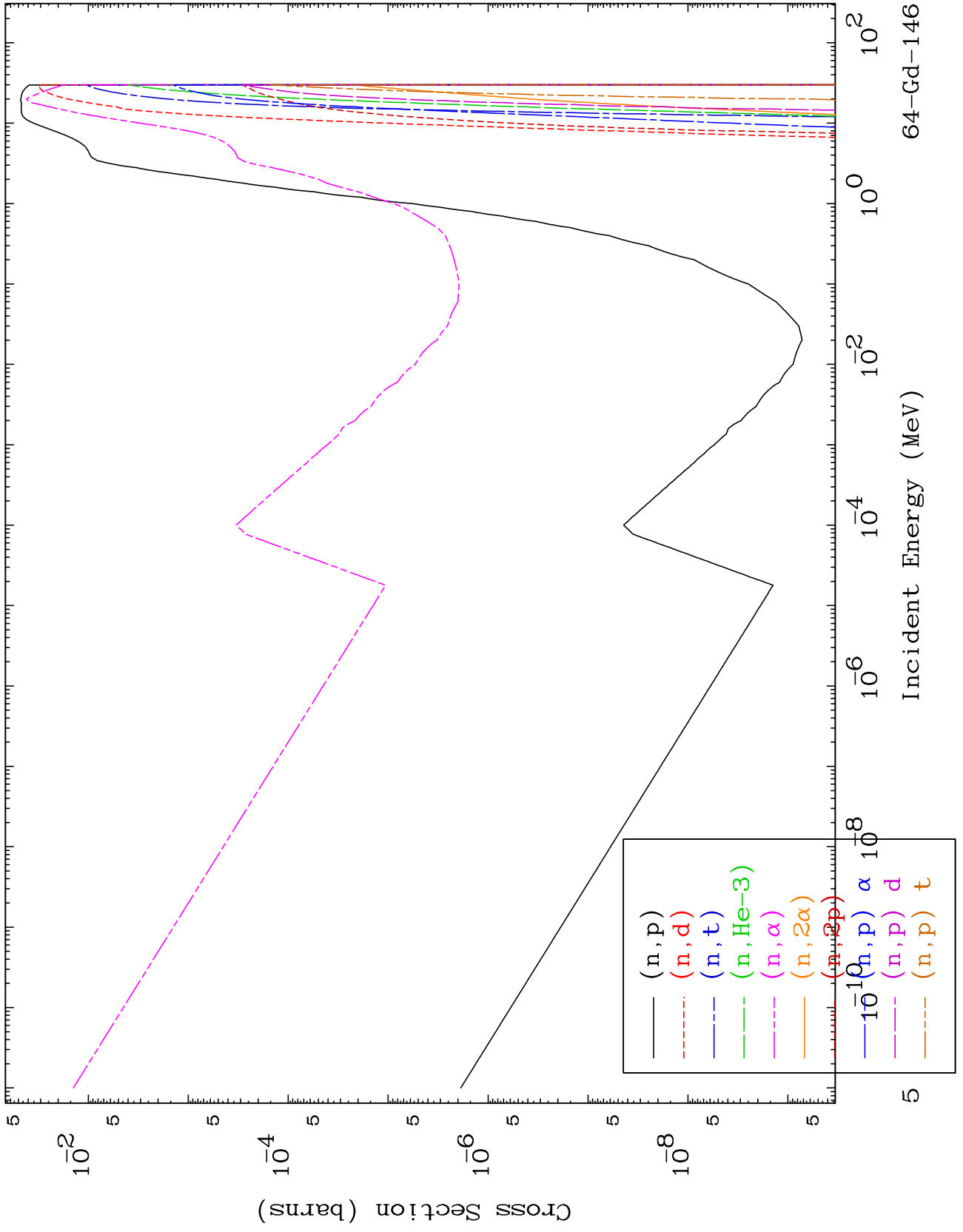
64-Gd-146

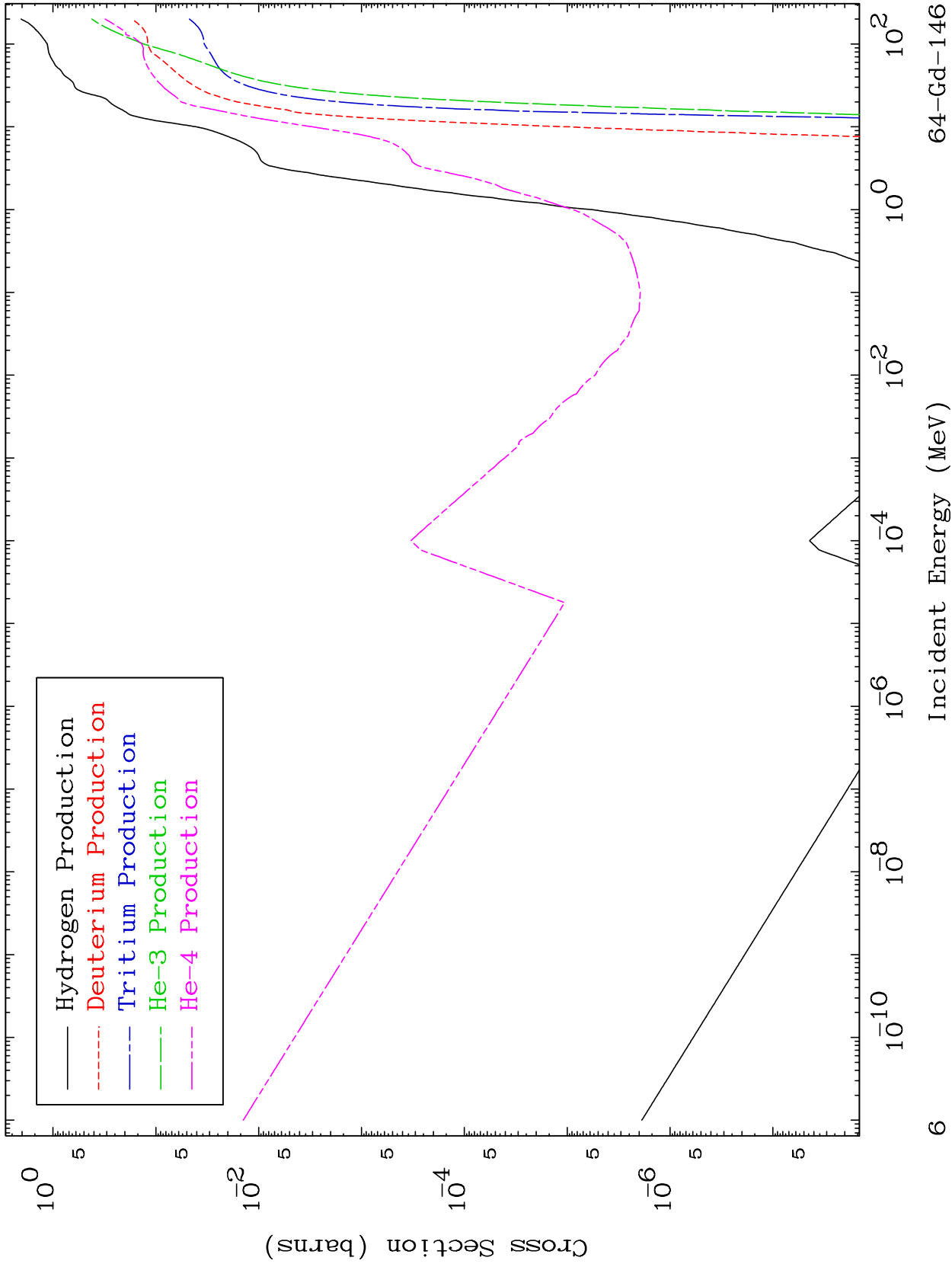


MAT 6407

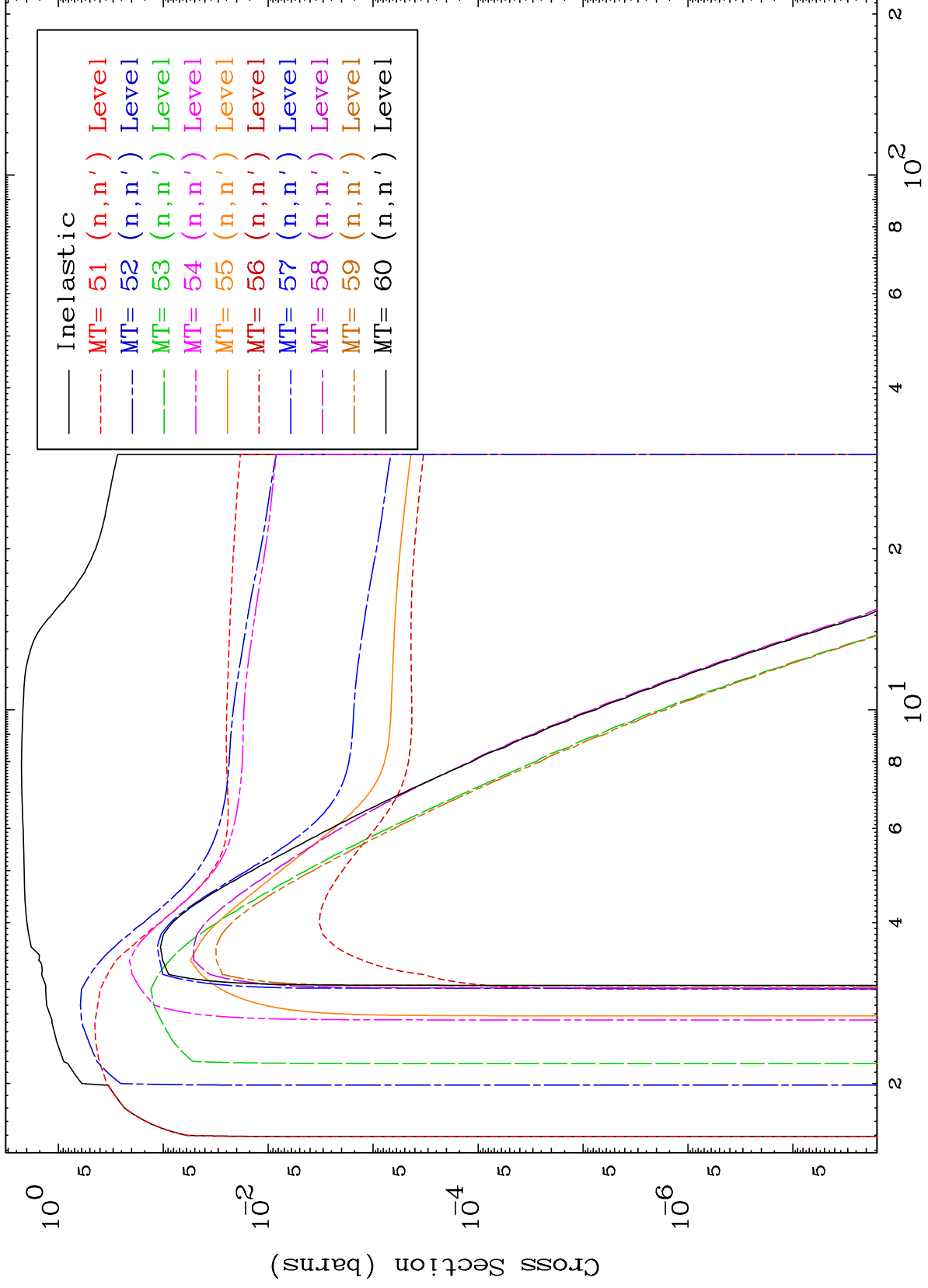
Charged Particle  
293 Kelvin Cross Sections

64-Gd-146





293 Kelvin Cross Sections



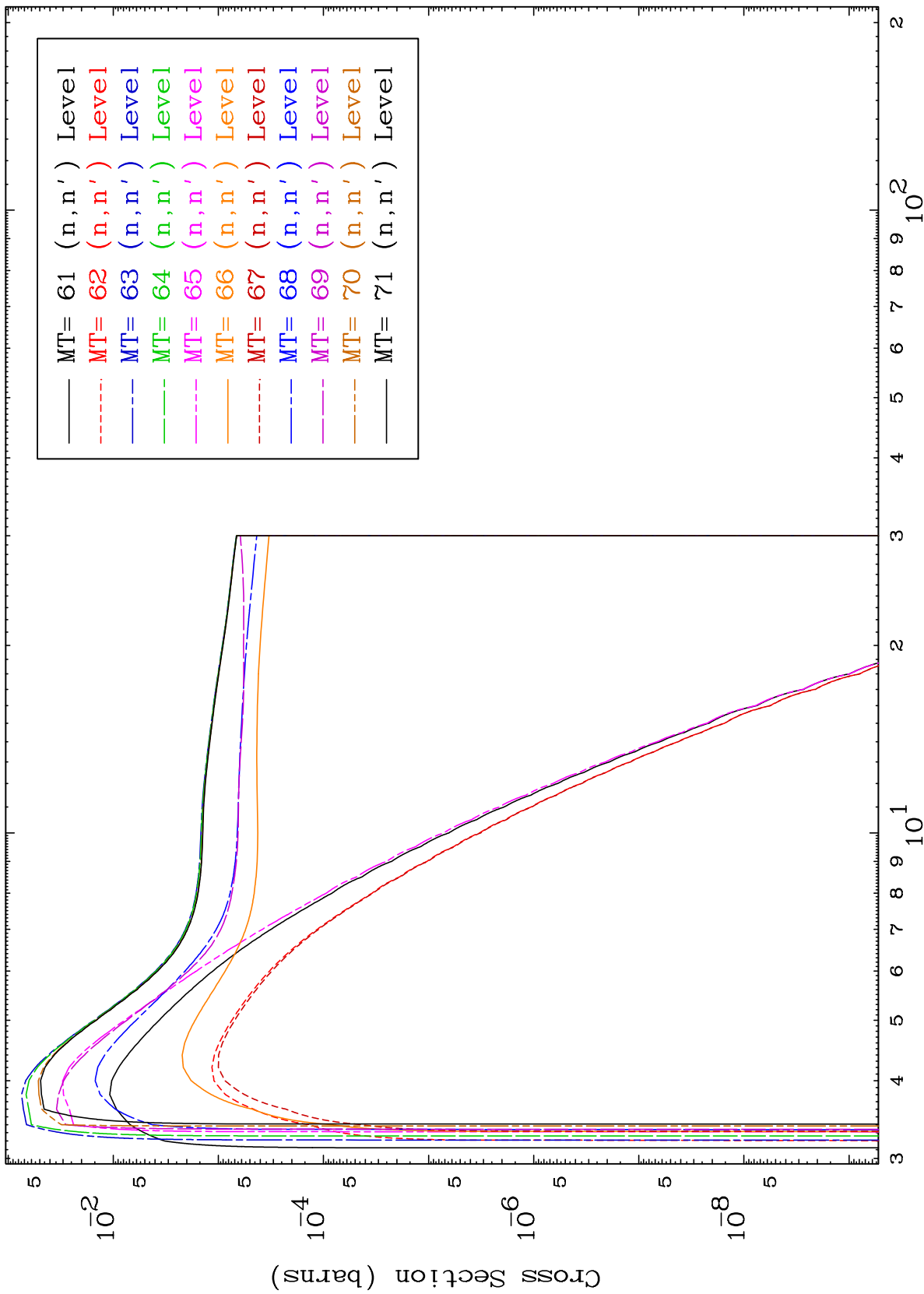


MAT 6407

(n,n') Level

64-Gd-146

293 Kelvin Cross Sections

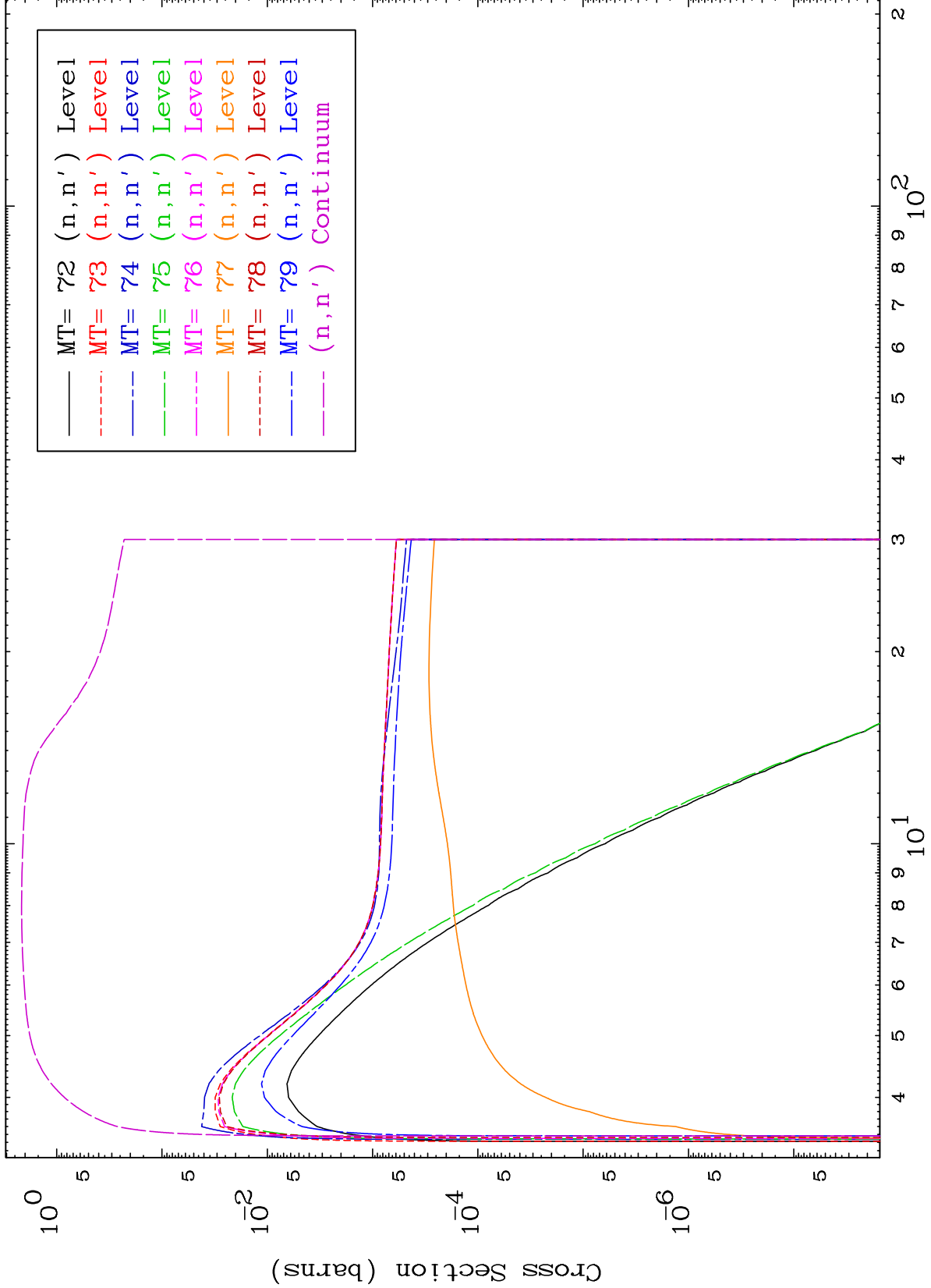


Incident Energy (MeV)

64-Gd-146

8

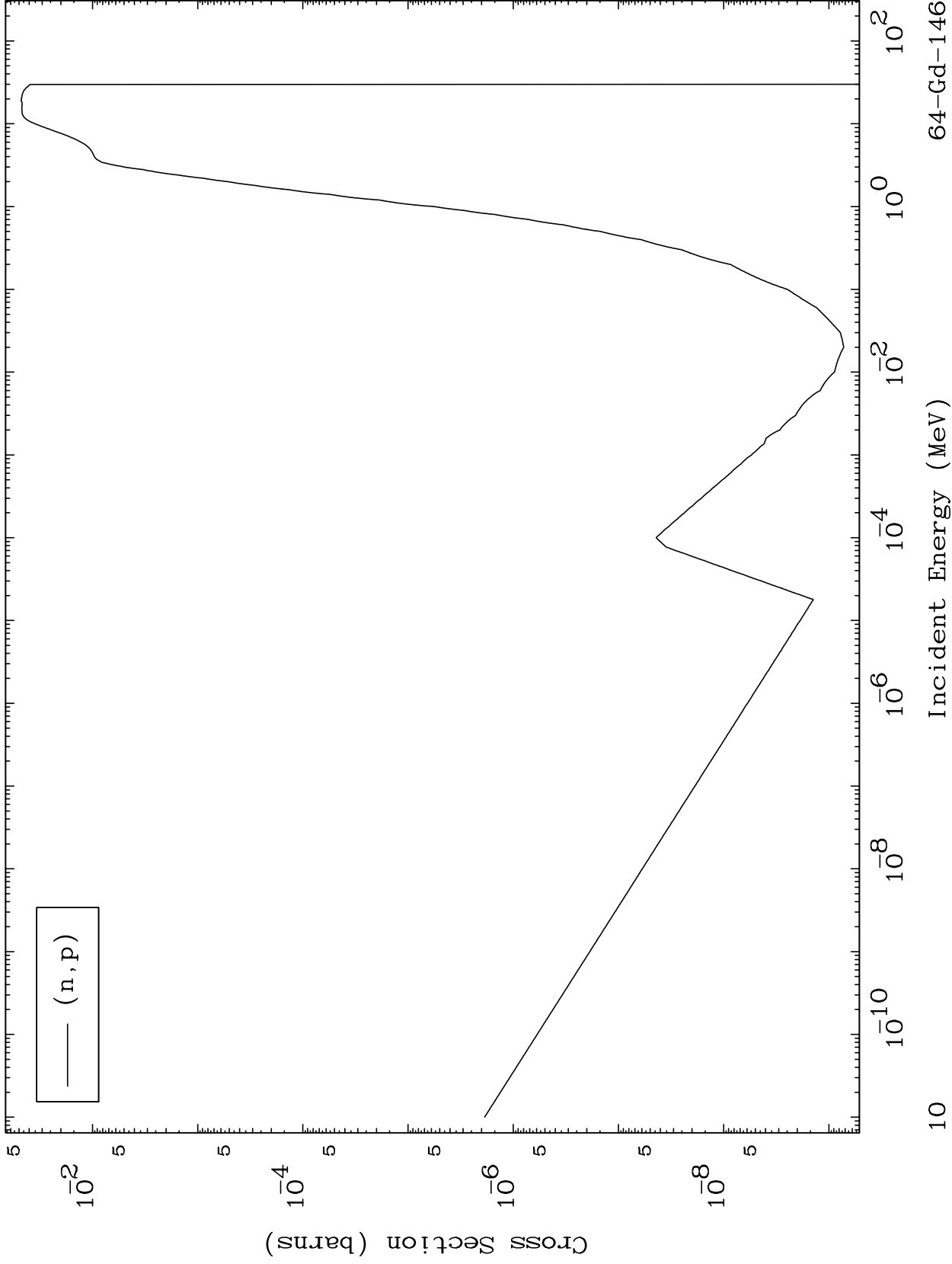
293 Kelvin Cross Sections



MAT 6407

(n,p) Levels  
293 Kelvin Cross Sections

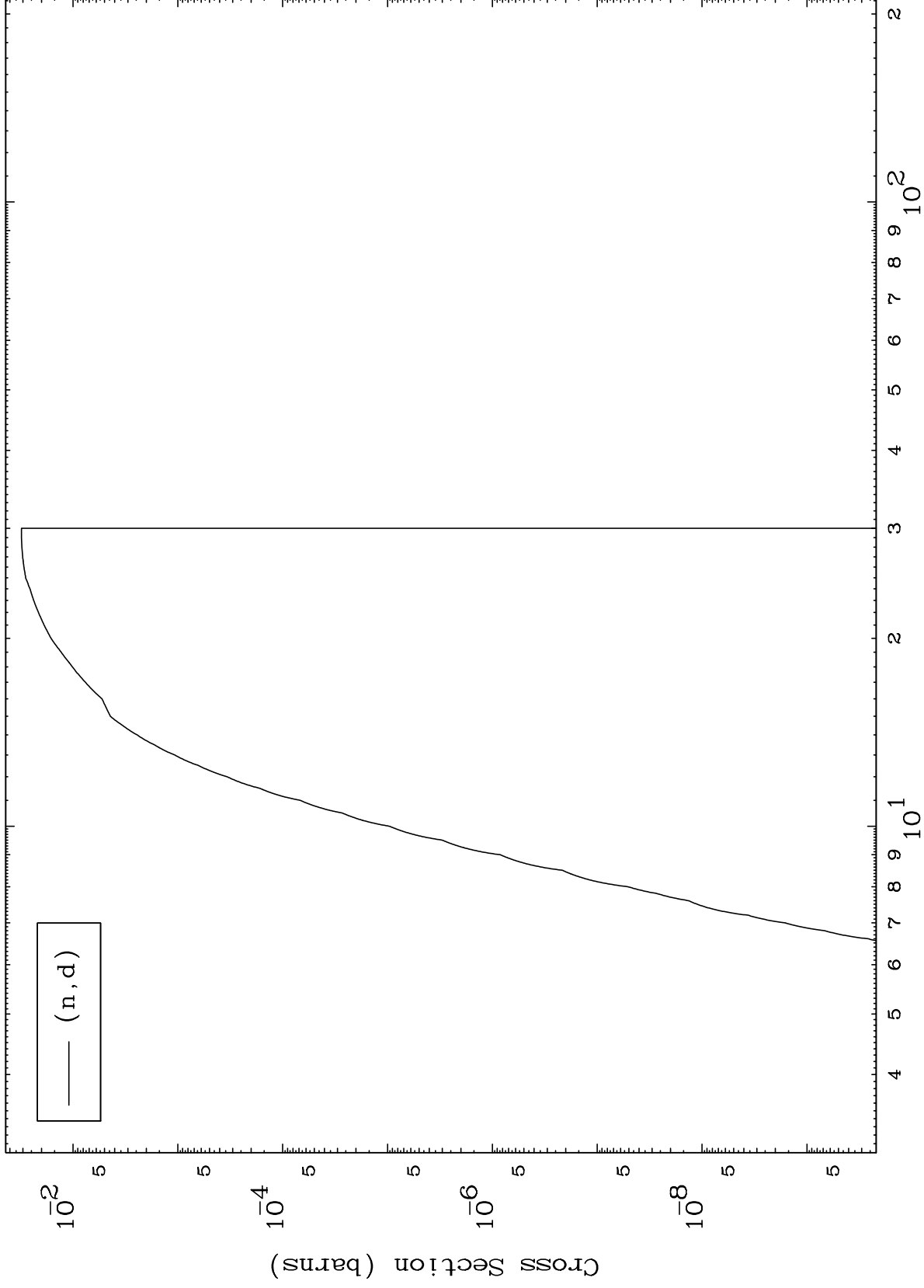
64-Gd-146



MAT 6407

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-146



11

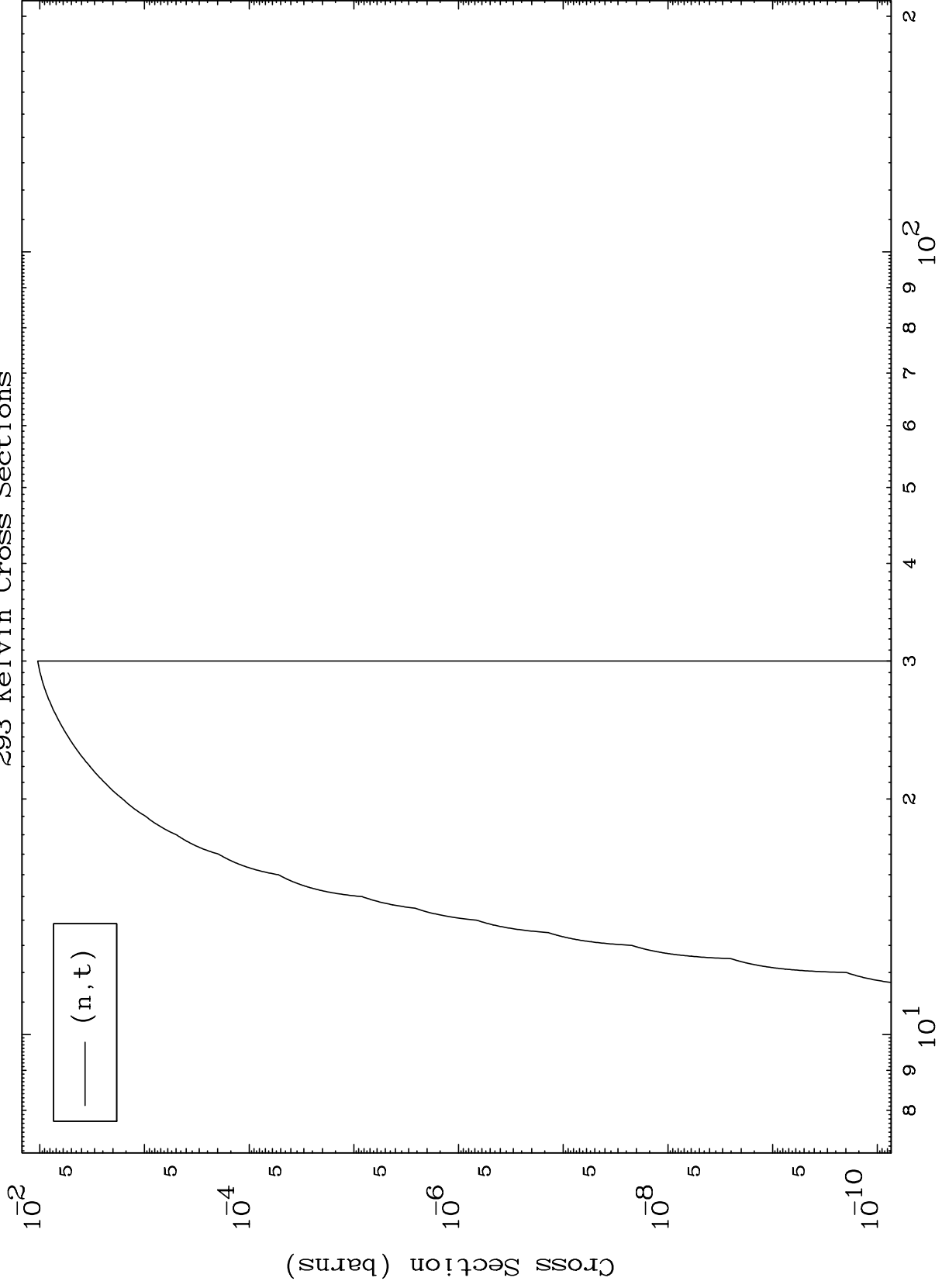
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-146



12

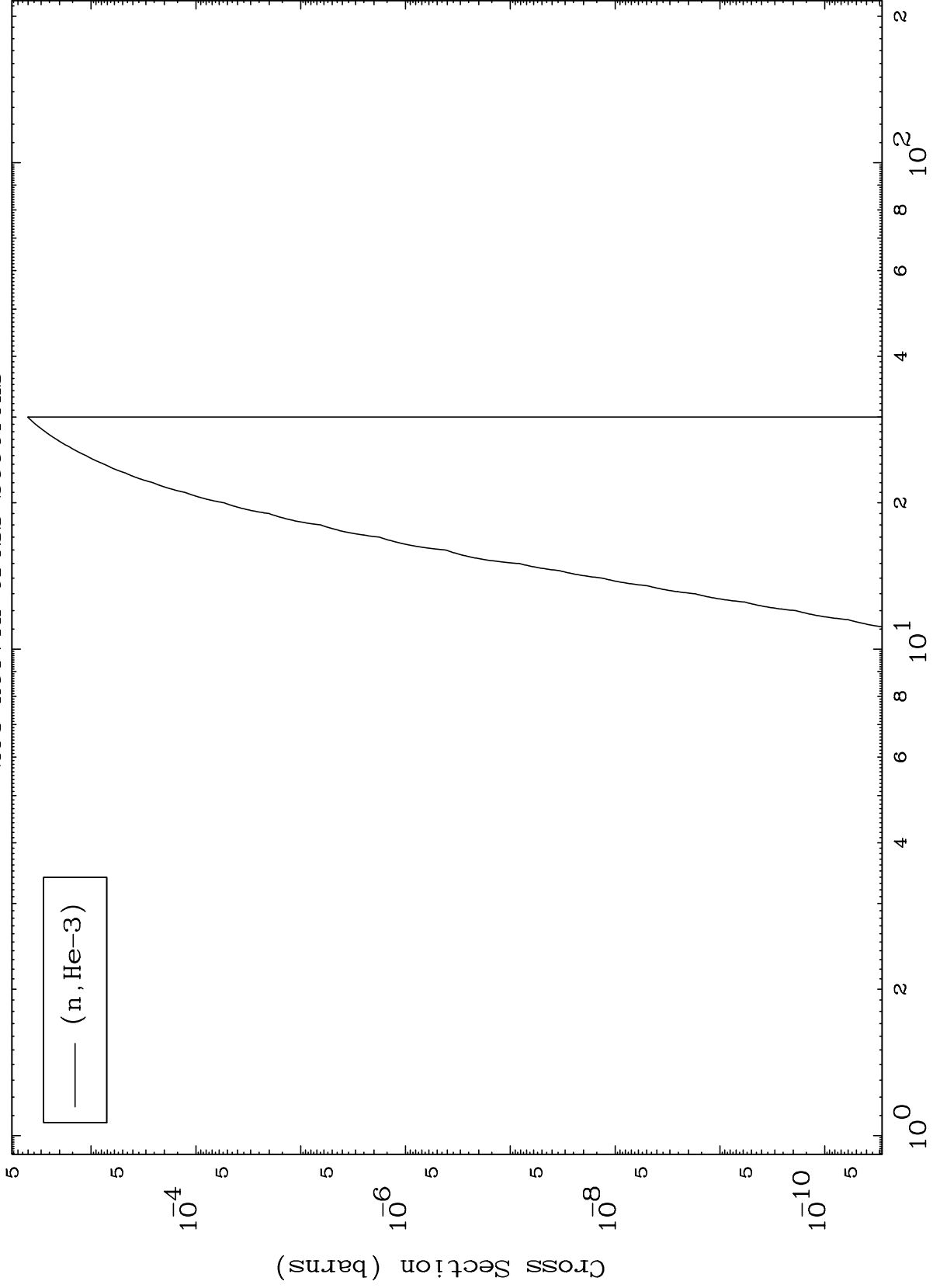
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-146



13

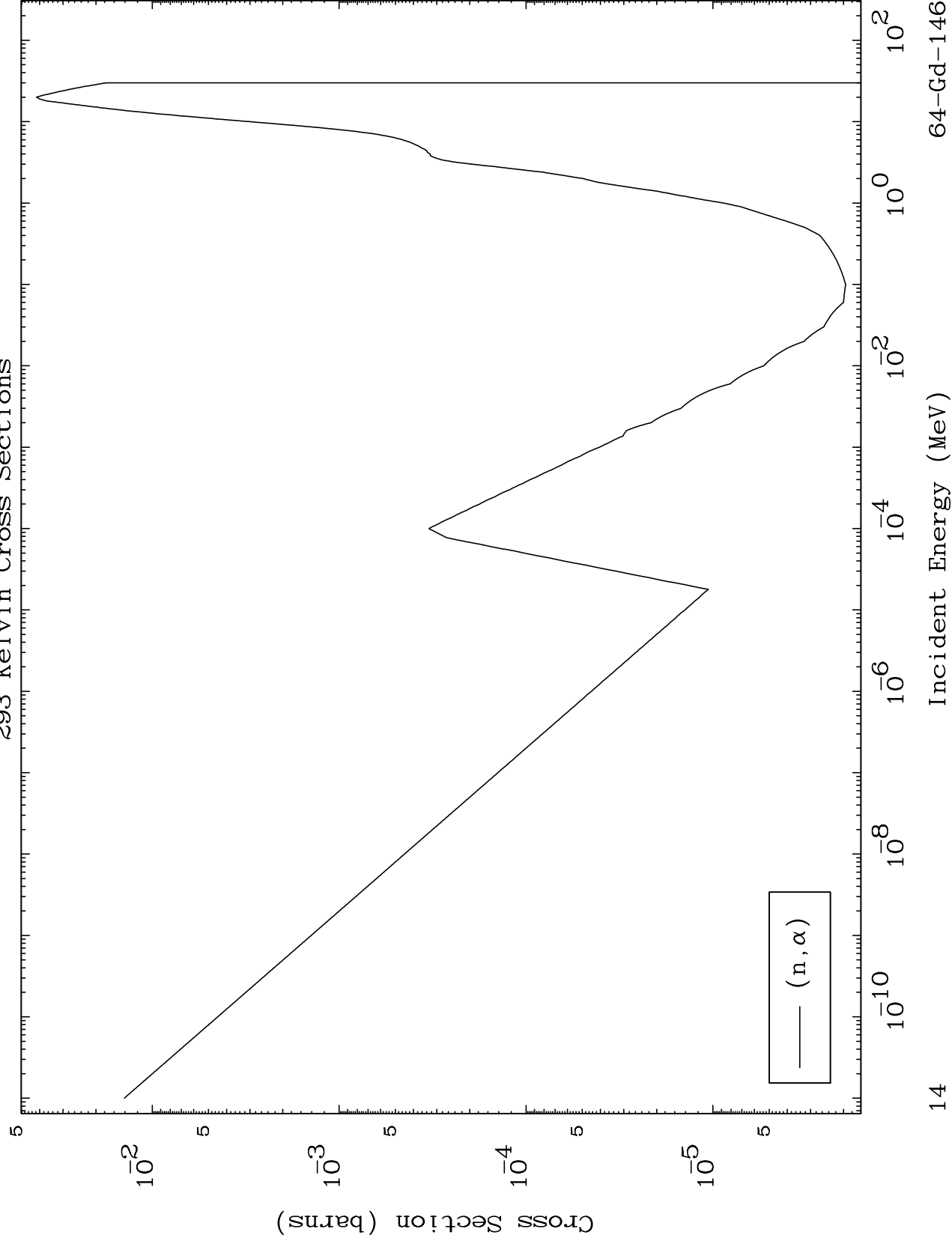
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

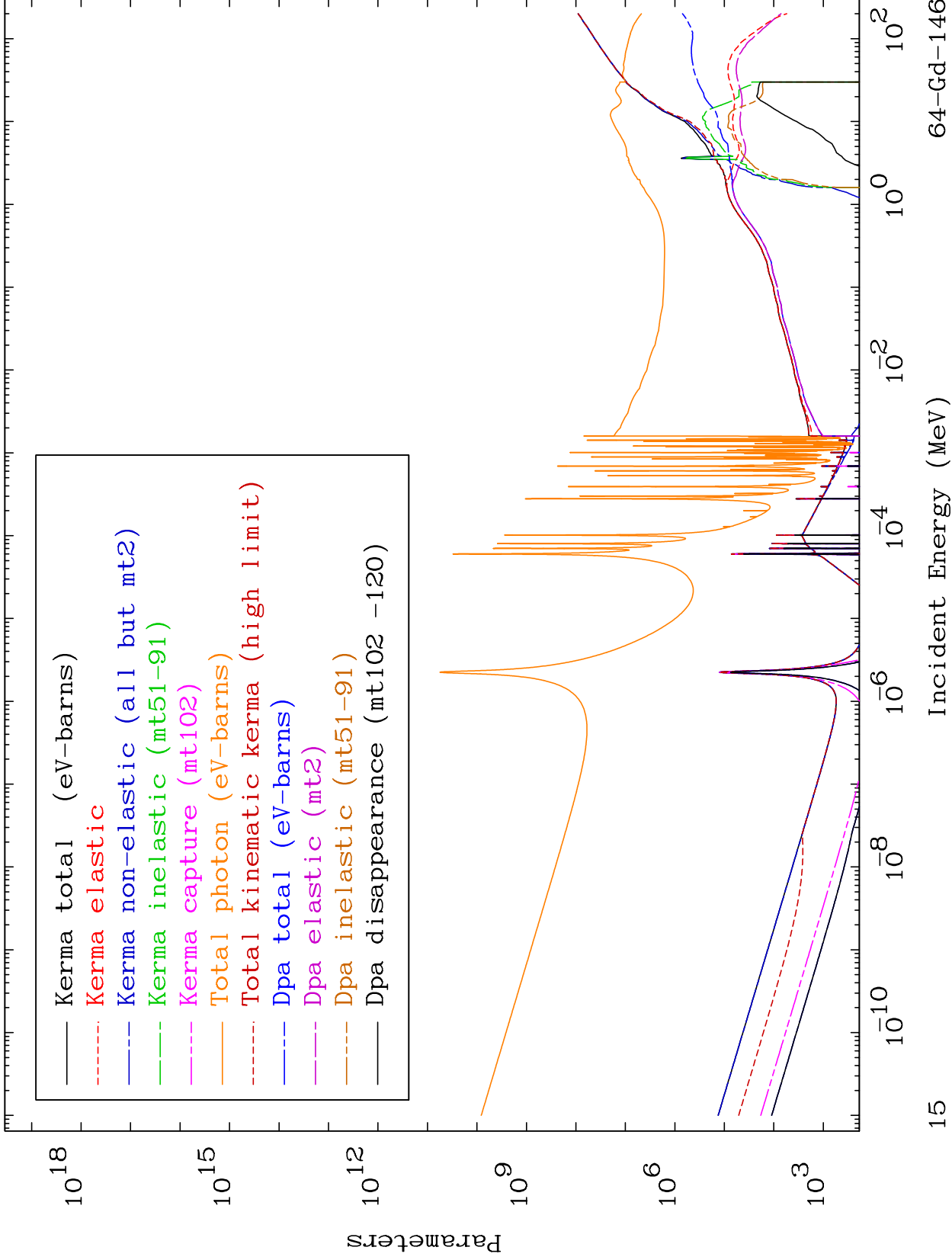
64-Gd-146



14

Incident Energy (MeV)

64-Gd-146

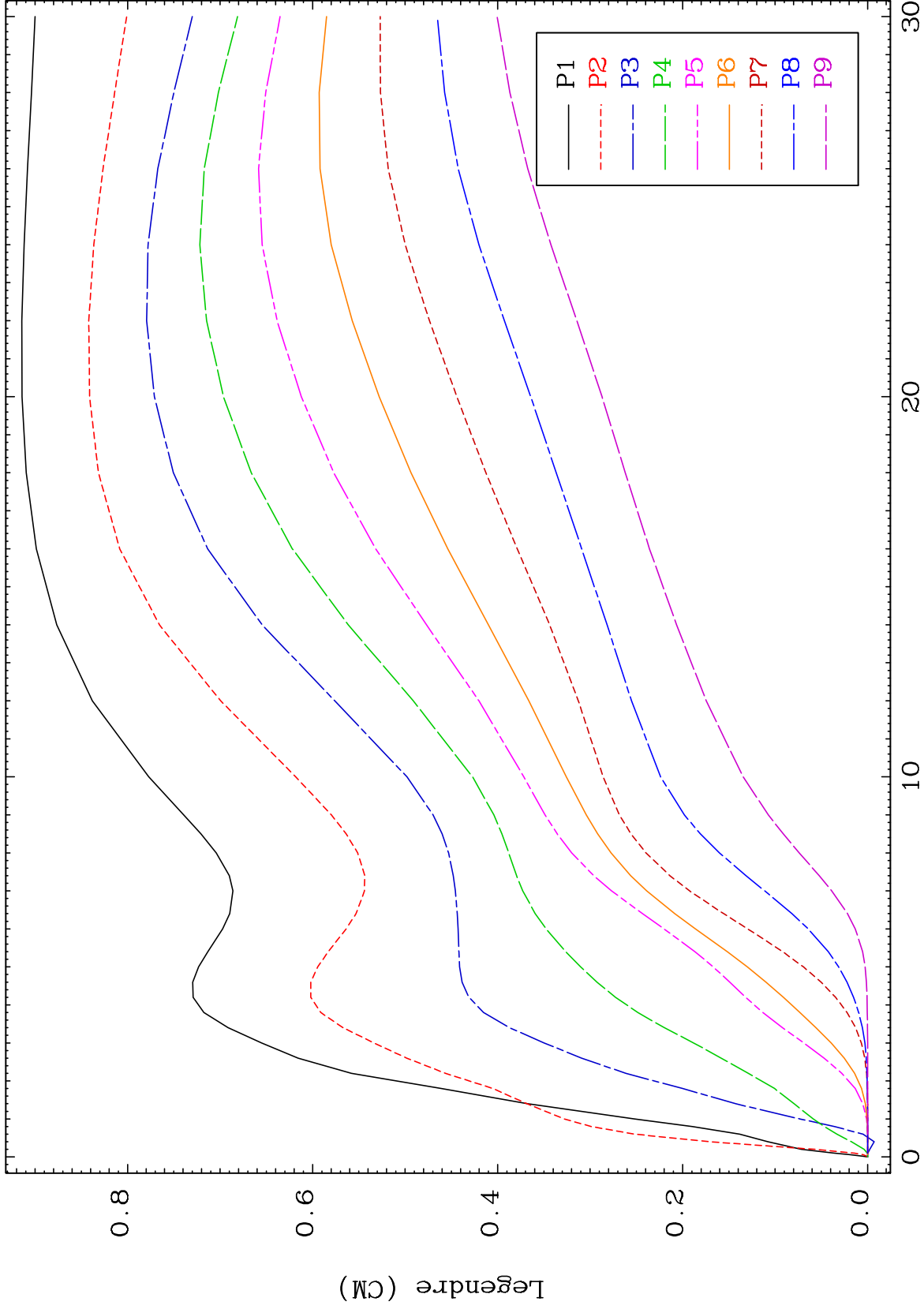




MAT 6407

Elastic Legendre Coefficients

64-Gd-146



16

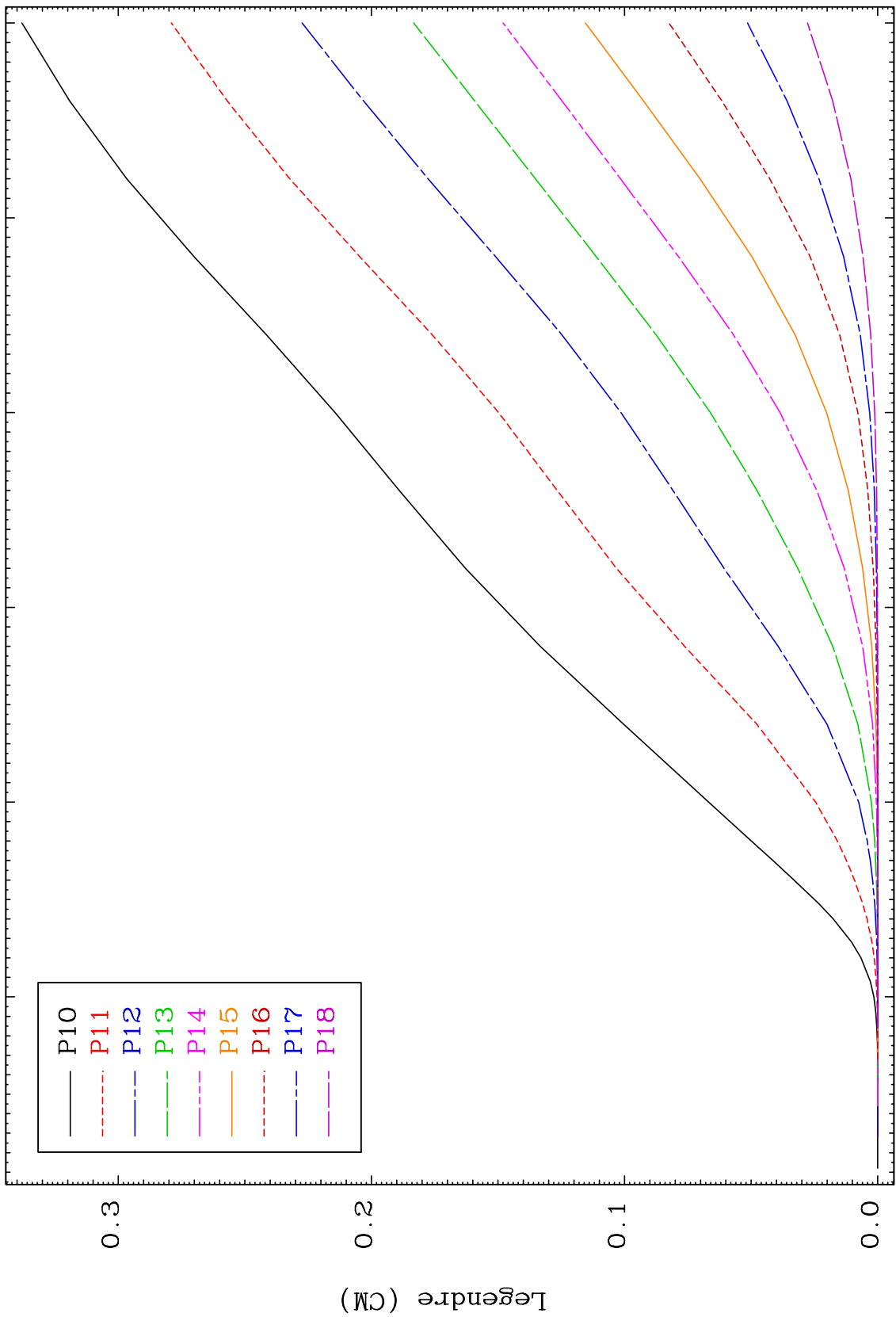
Incident Energy (MeV)

64-Gd-146

MAT 6407

Elastic Legendre Coefficients

64-Gd-146



17

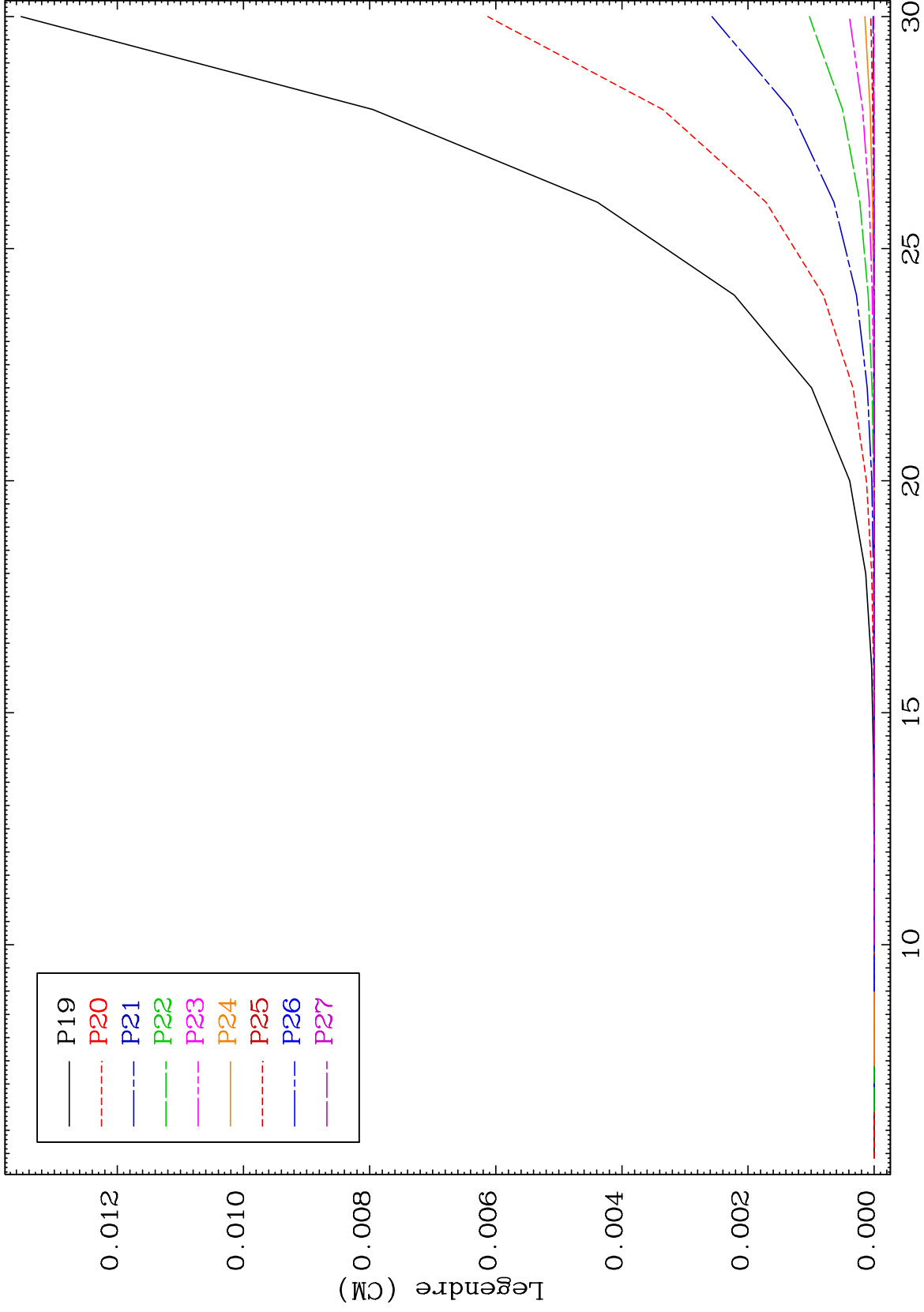
Incident Energy (MeV)

64-Gd-146

MAT 6407

### Elastic Legendre Coefficients

64-Gd-146



18

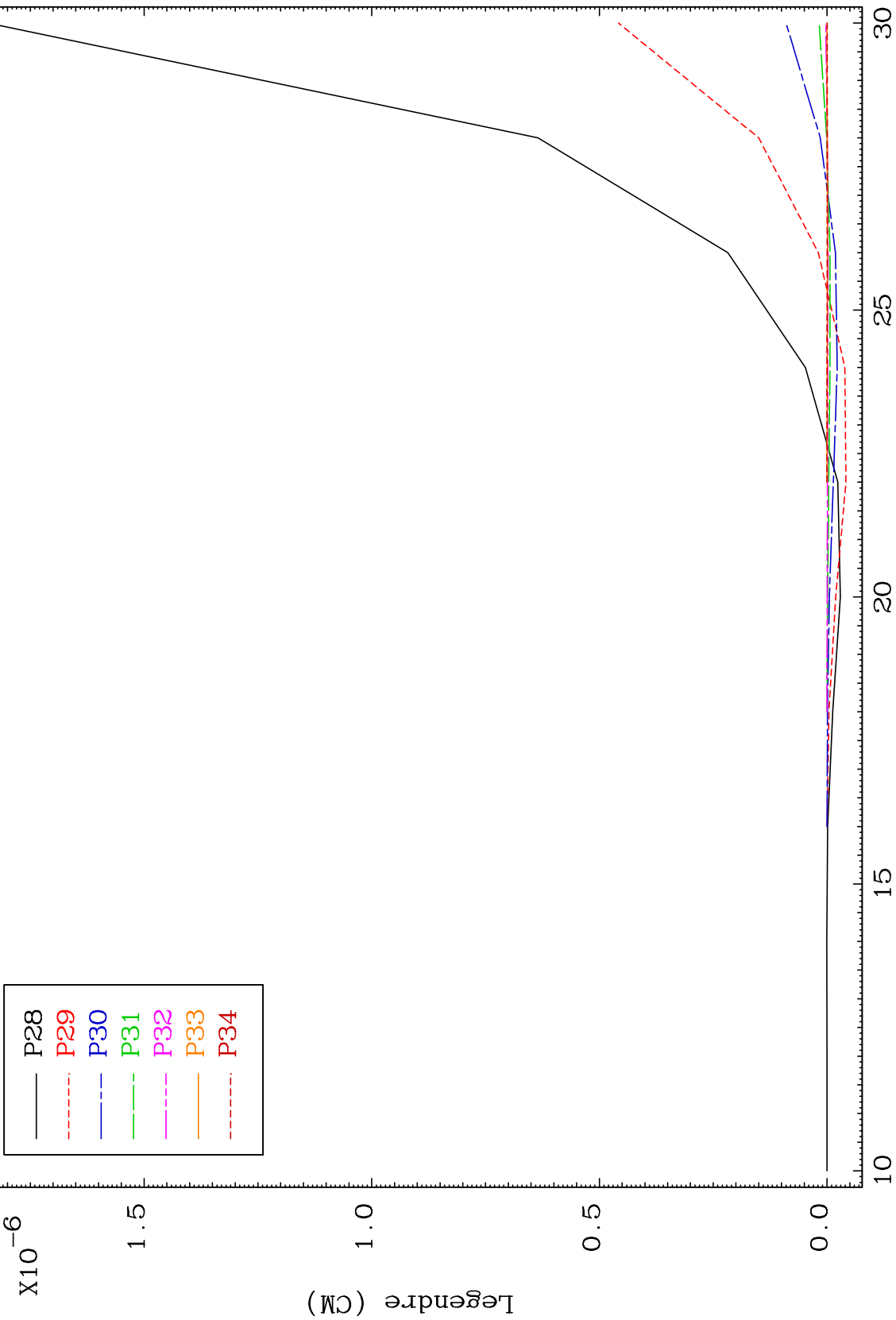
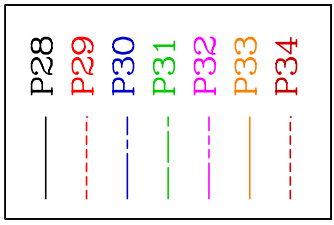
Incident Energy (MeV)

64-Gd-146

MAT 6407

Elastic Legendre Coefficients

64-Gd-146



19

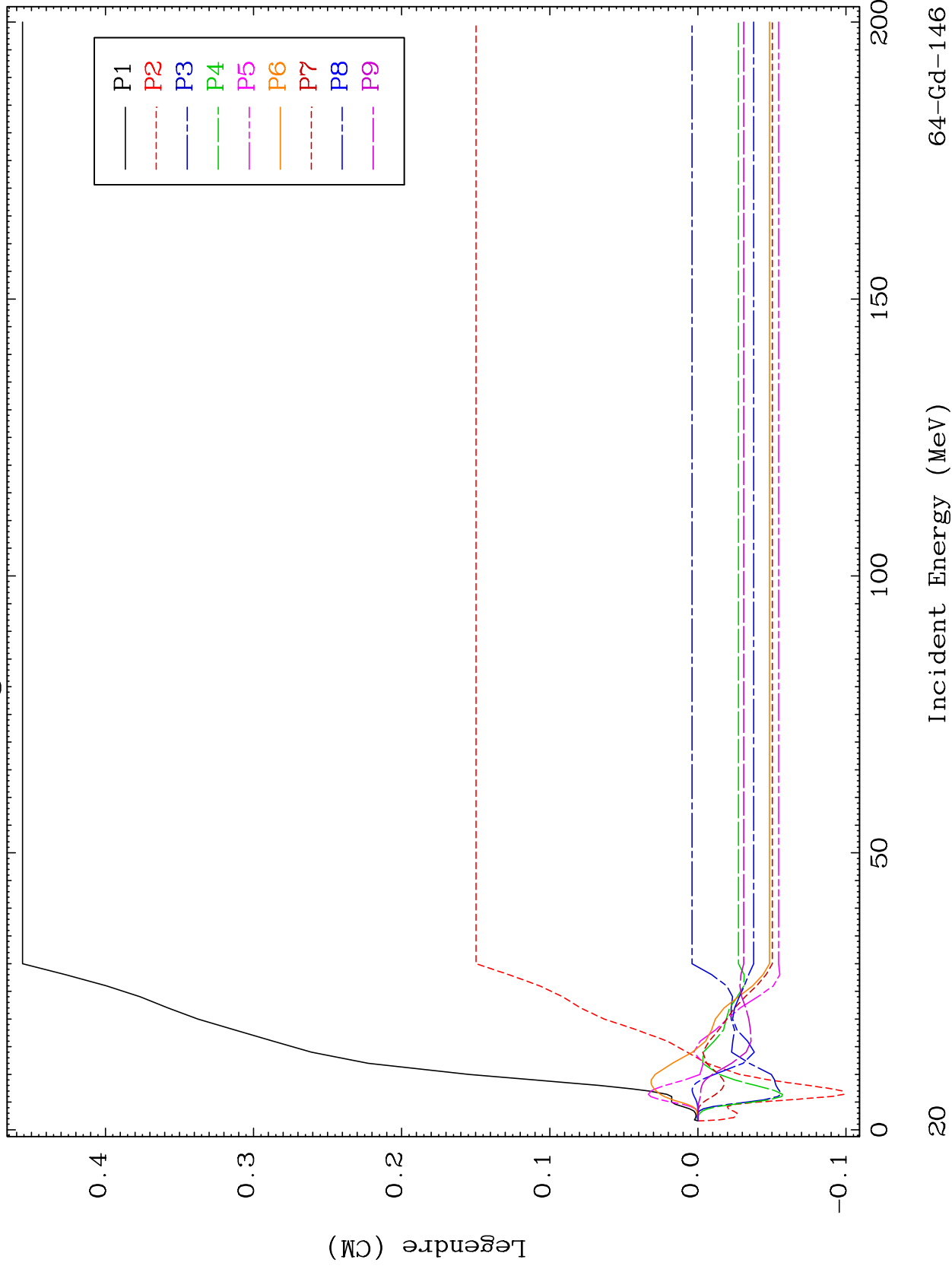
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146

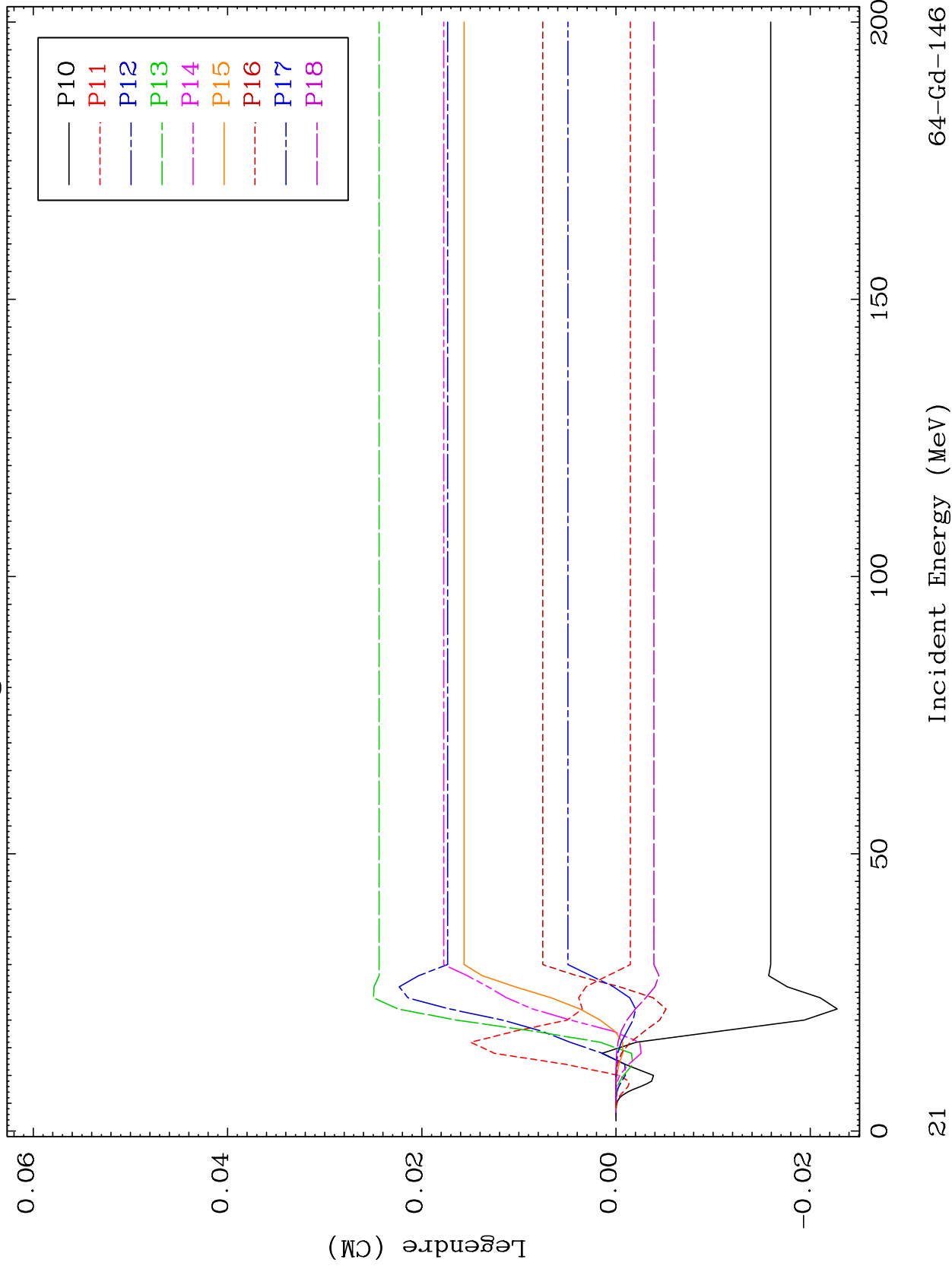


64-Gd-146

MAT 6407

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

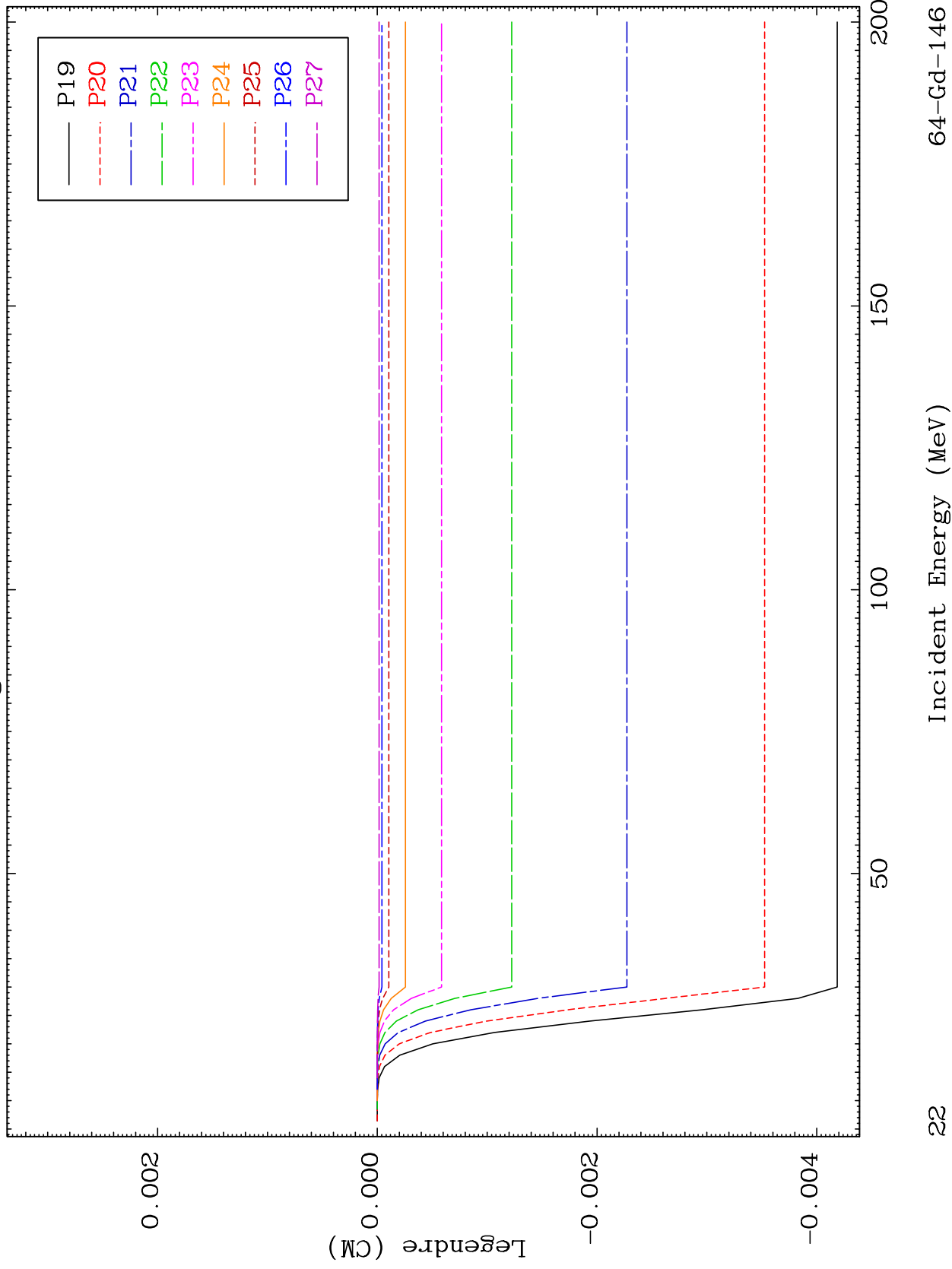
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MAT 6407

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

64-Gd-146



22

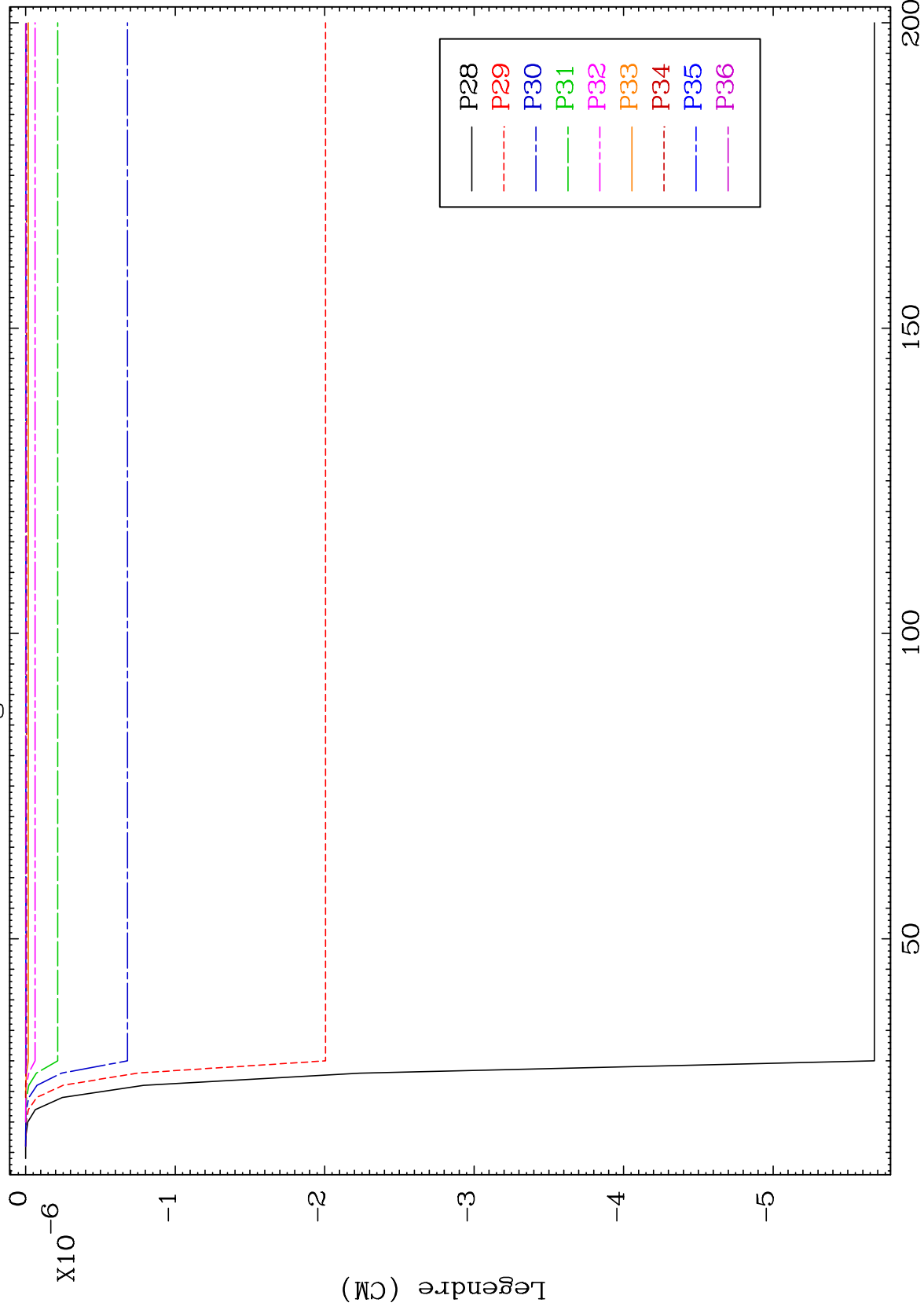
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



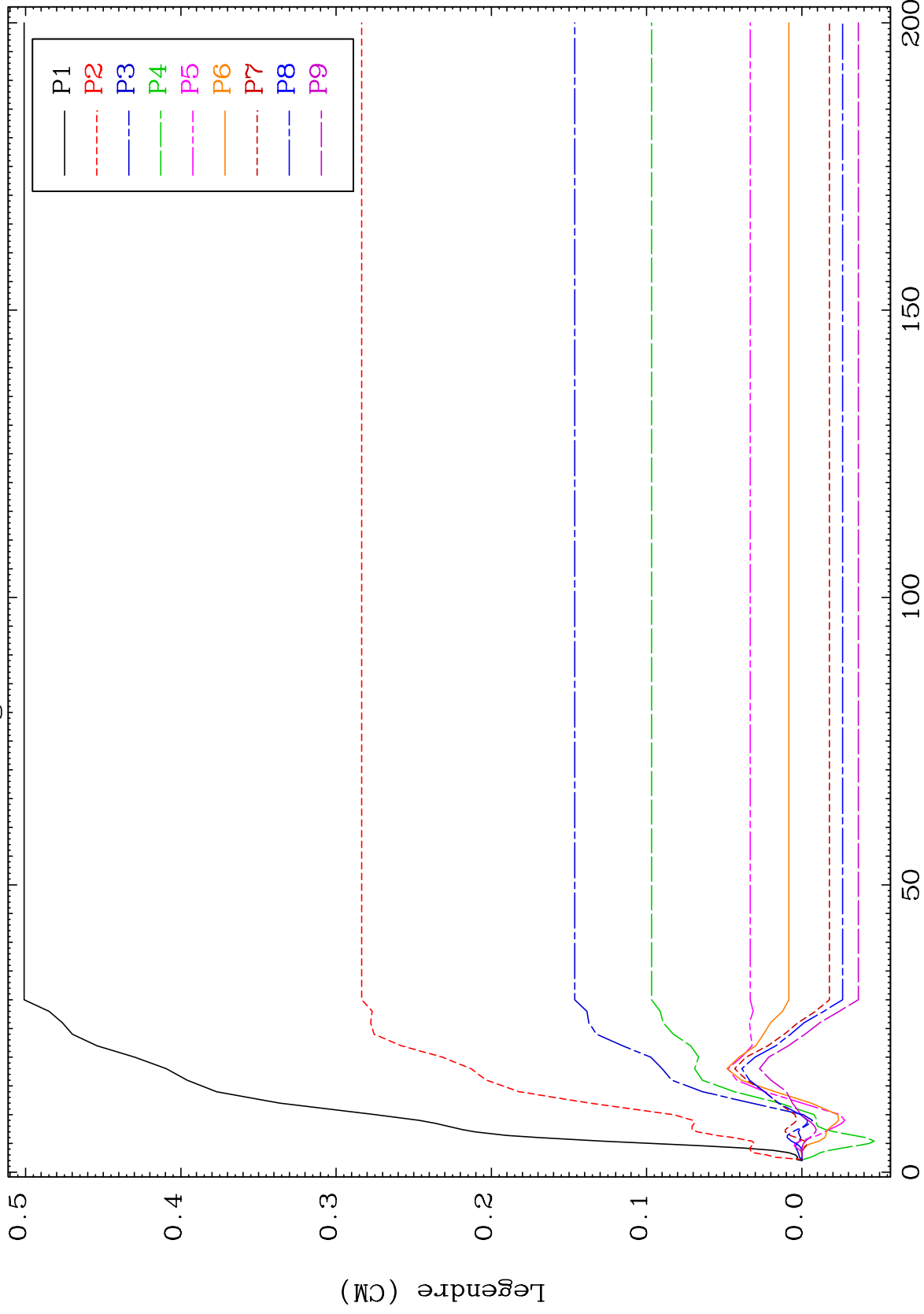


MAT 6407

MT= 52 (n,n') Level

64-Gd-146

Legendre Coefficients



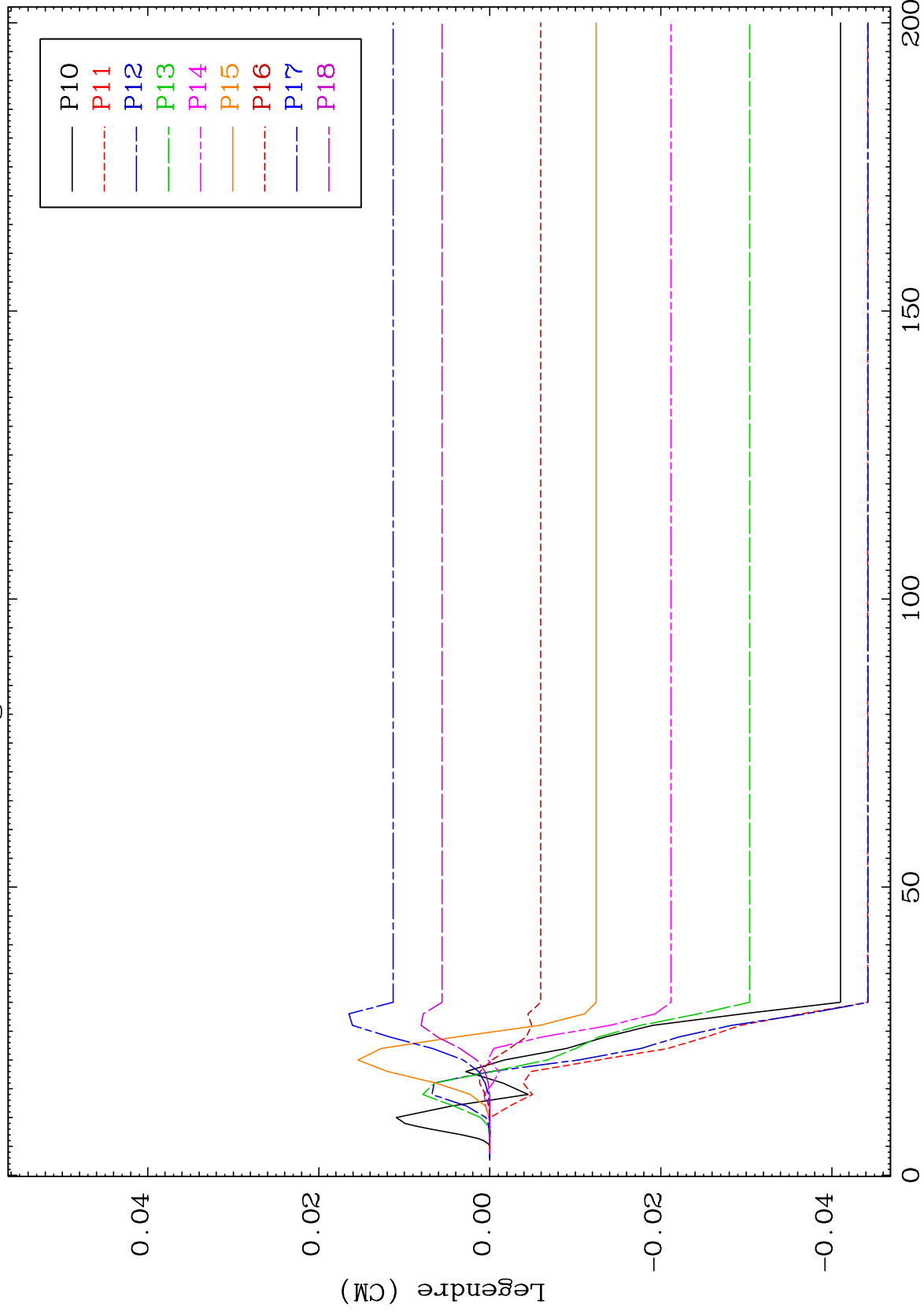
24

64-Gd-146

MAT 6407

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

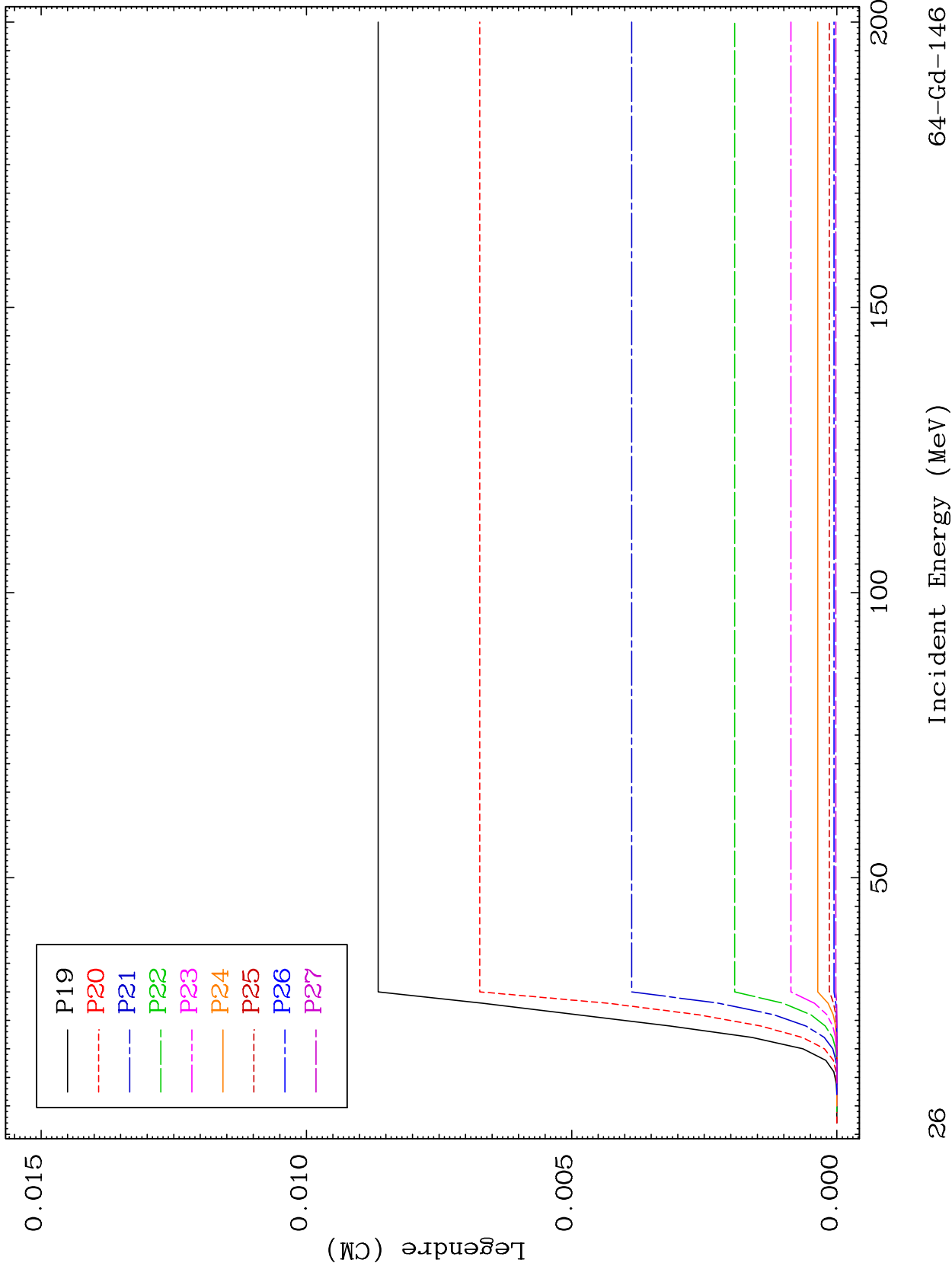
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25

Incident Energy (MeV)

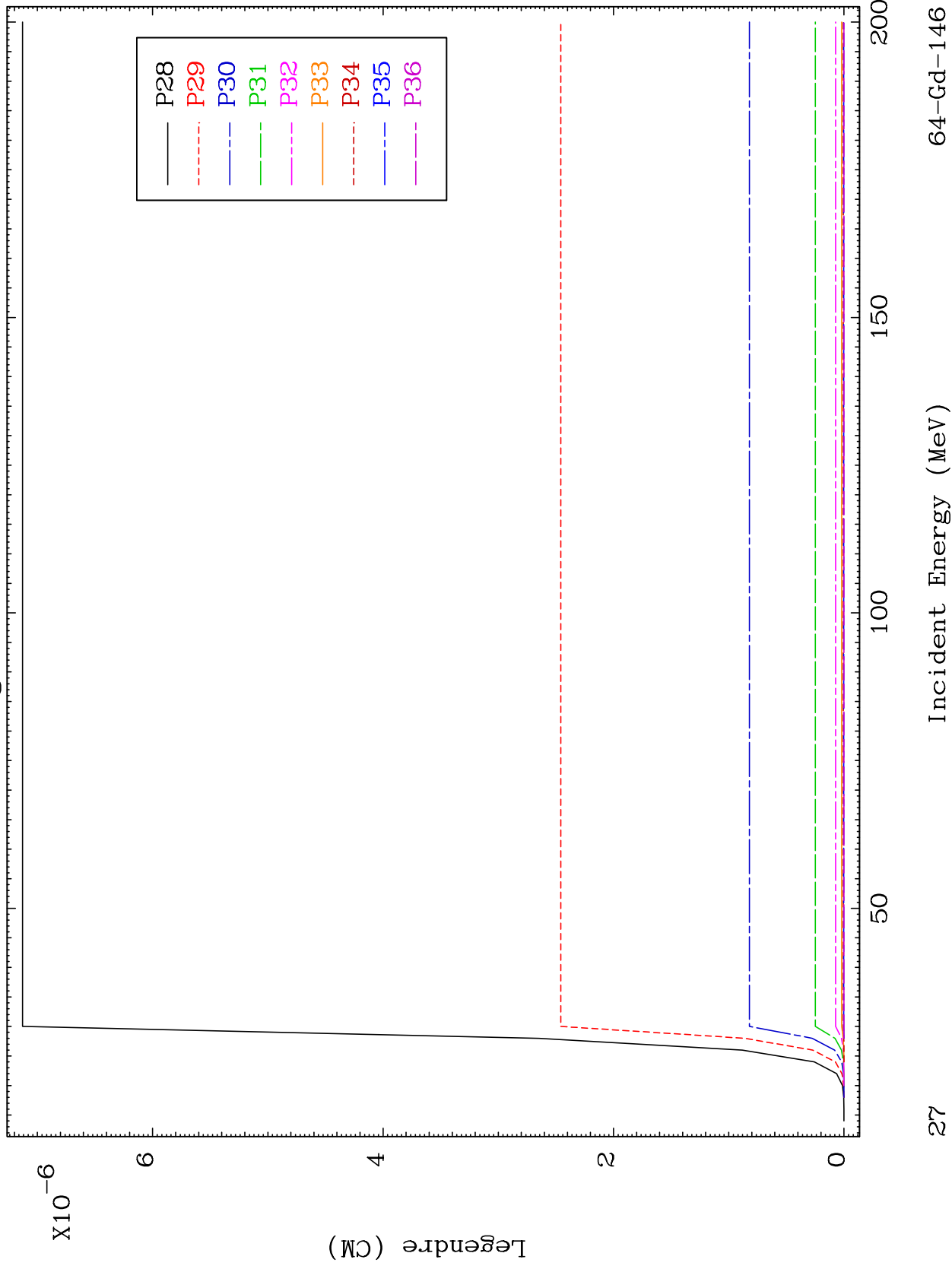
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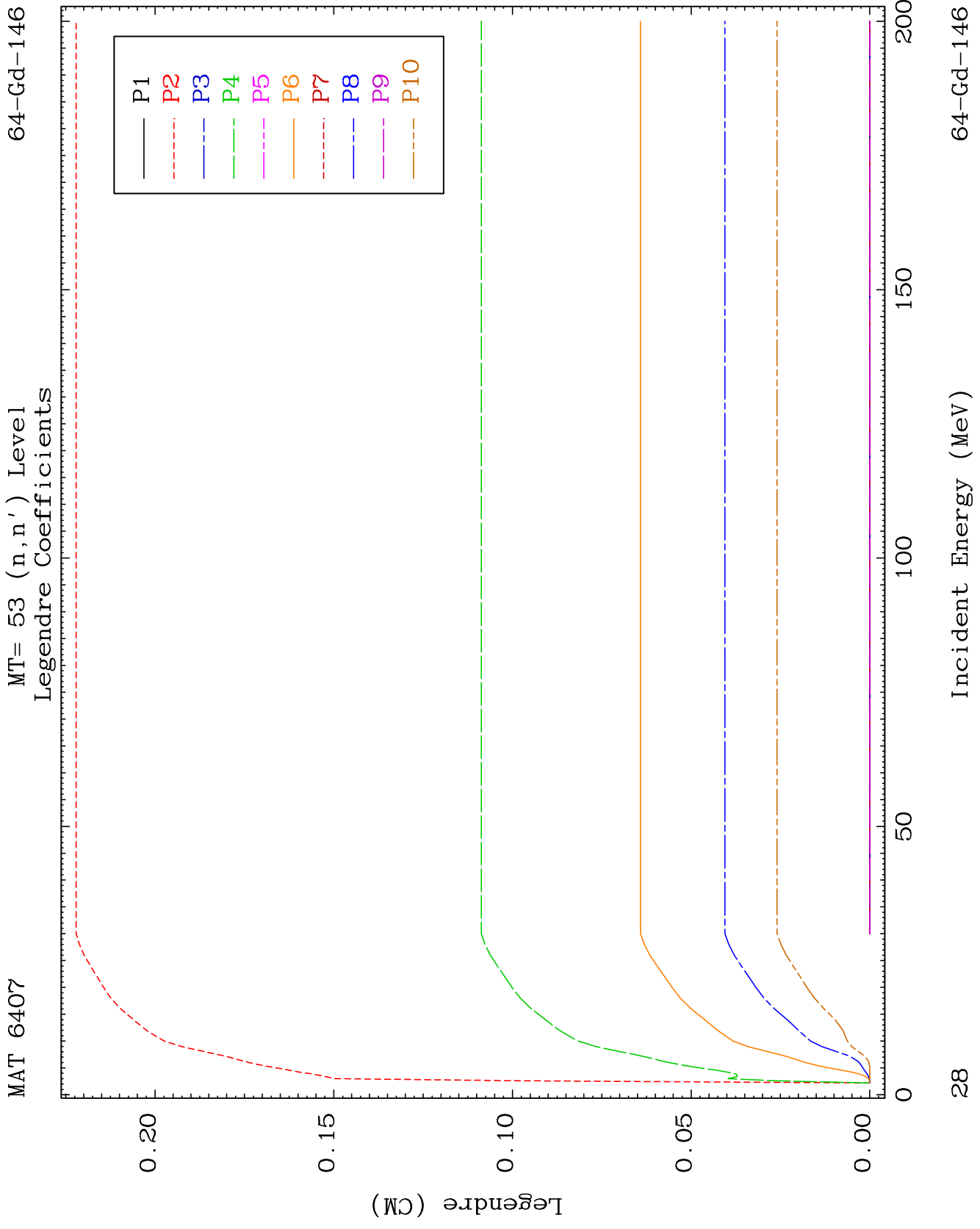


MAT 6407

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

64-Gd-146



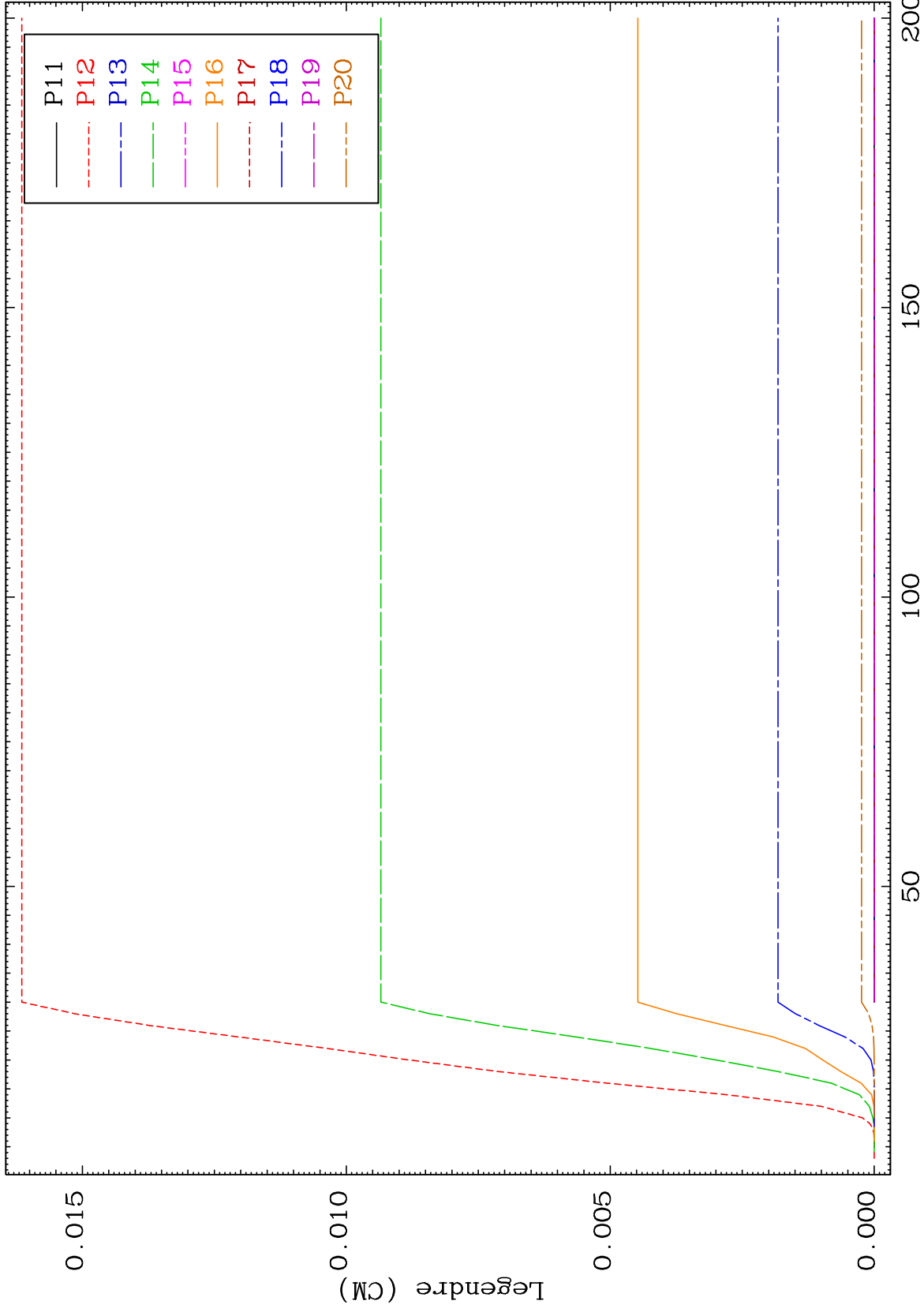


MAT 6407

MT= 53 (n,n') Level

64-Gd-146

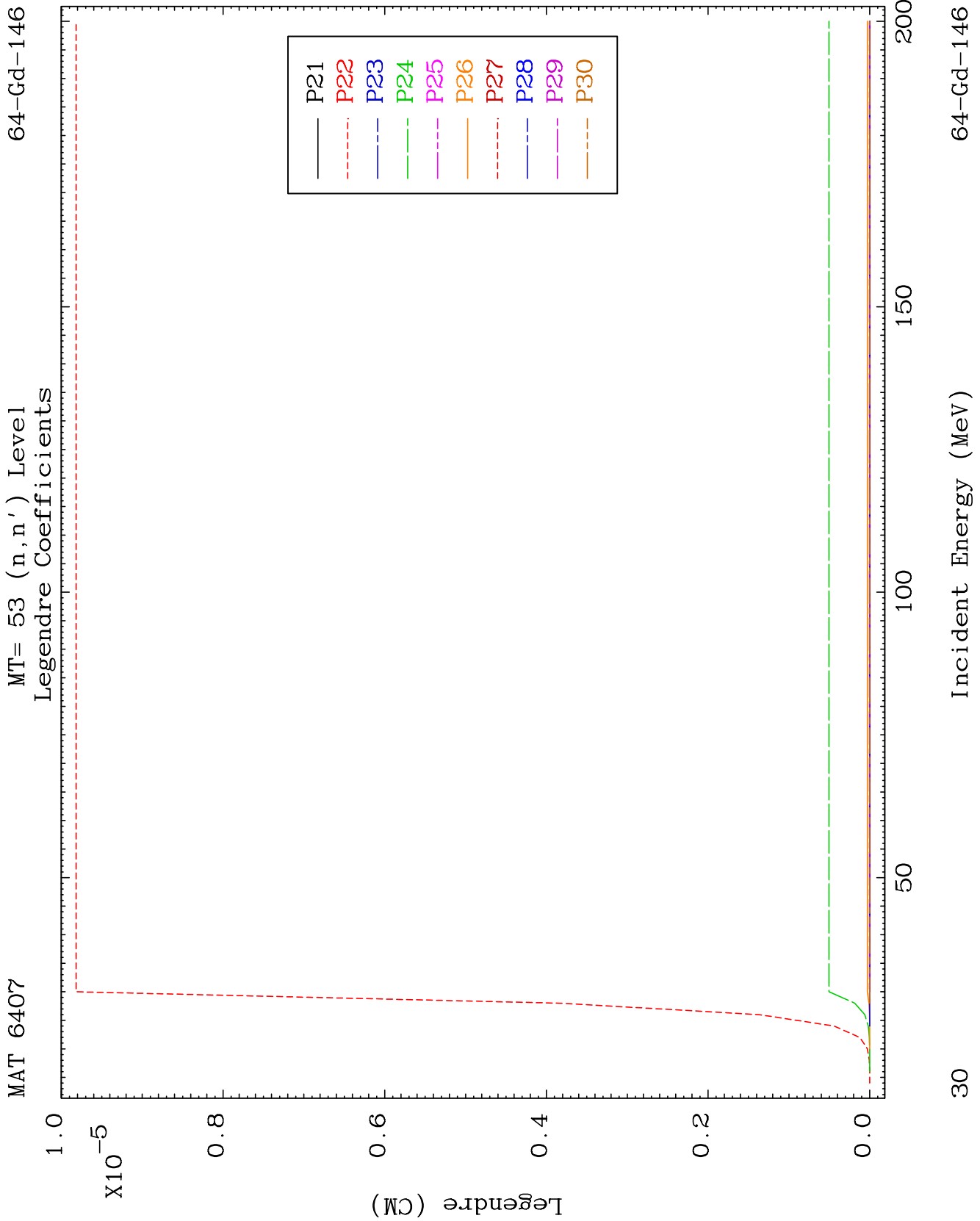
Legendre Coefficients



29

Incident Energy (MeV)

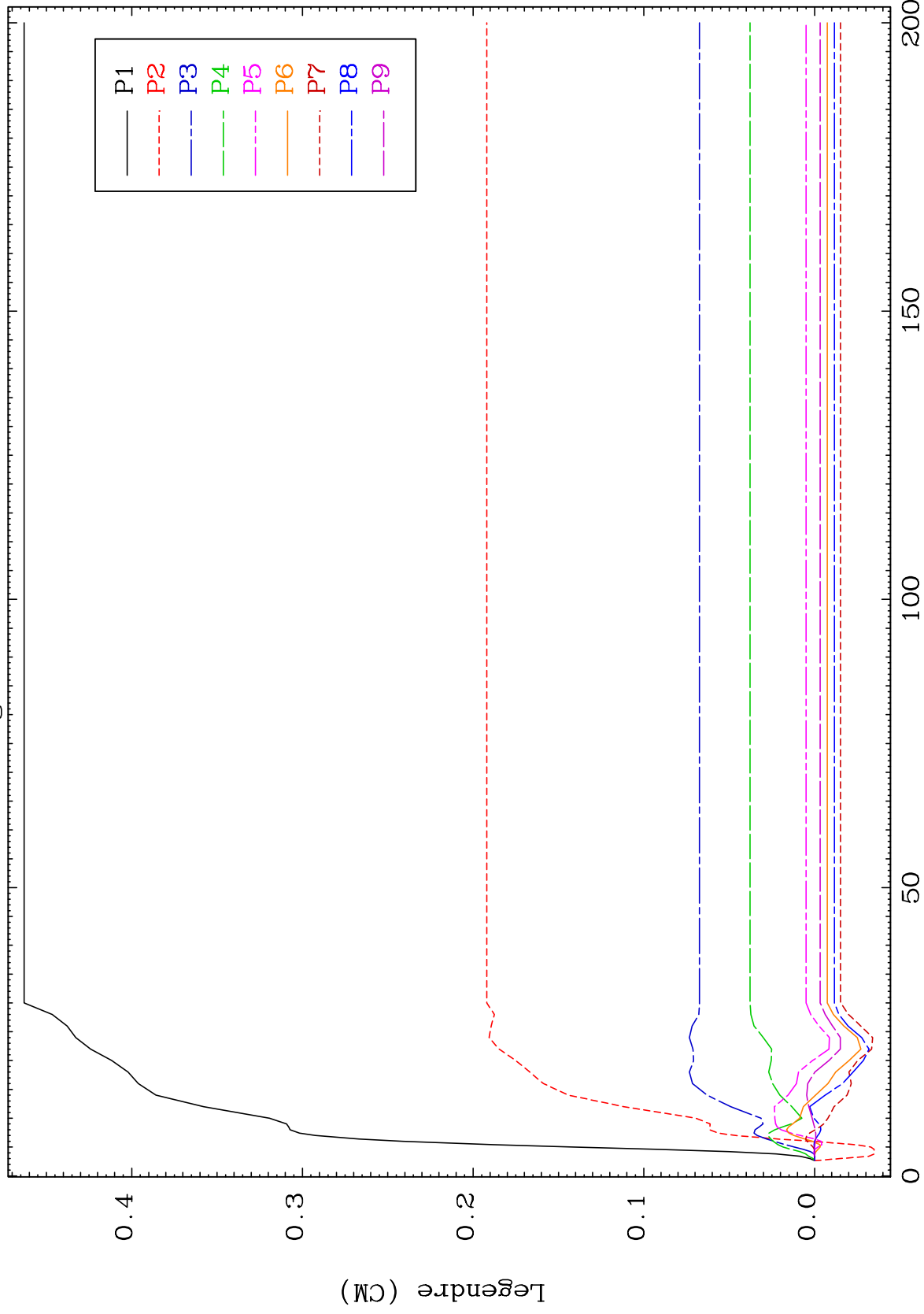
64-Gd-146



MAT 6407

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

64-Gd-146



31

Incident Energy (MeV)

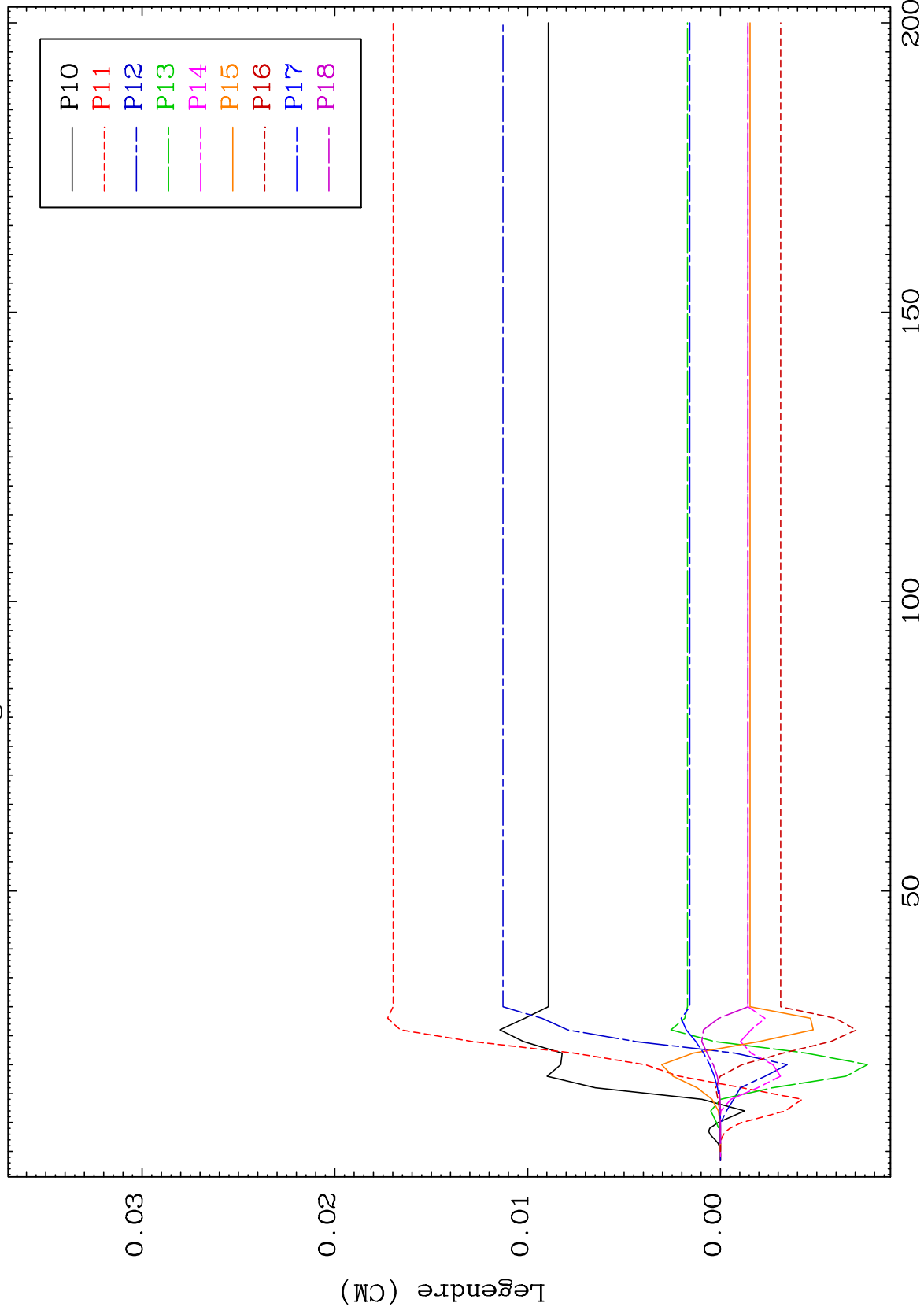
64-Gd-146



MAT 6407

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

64-Gd-146



32

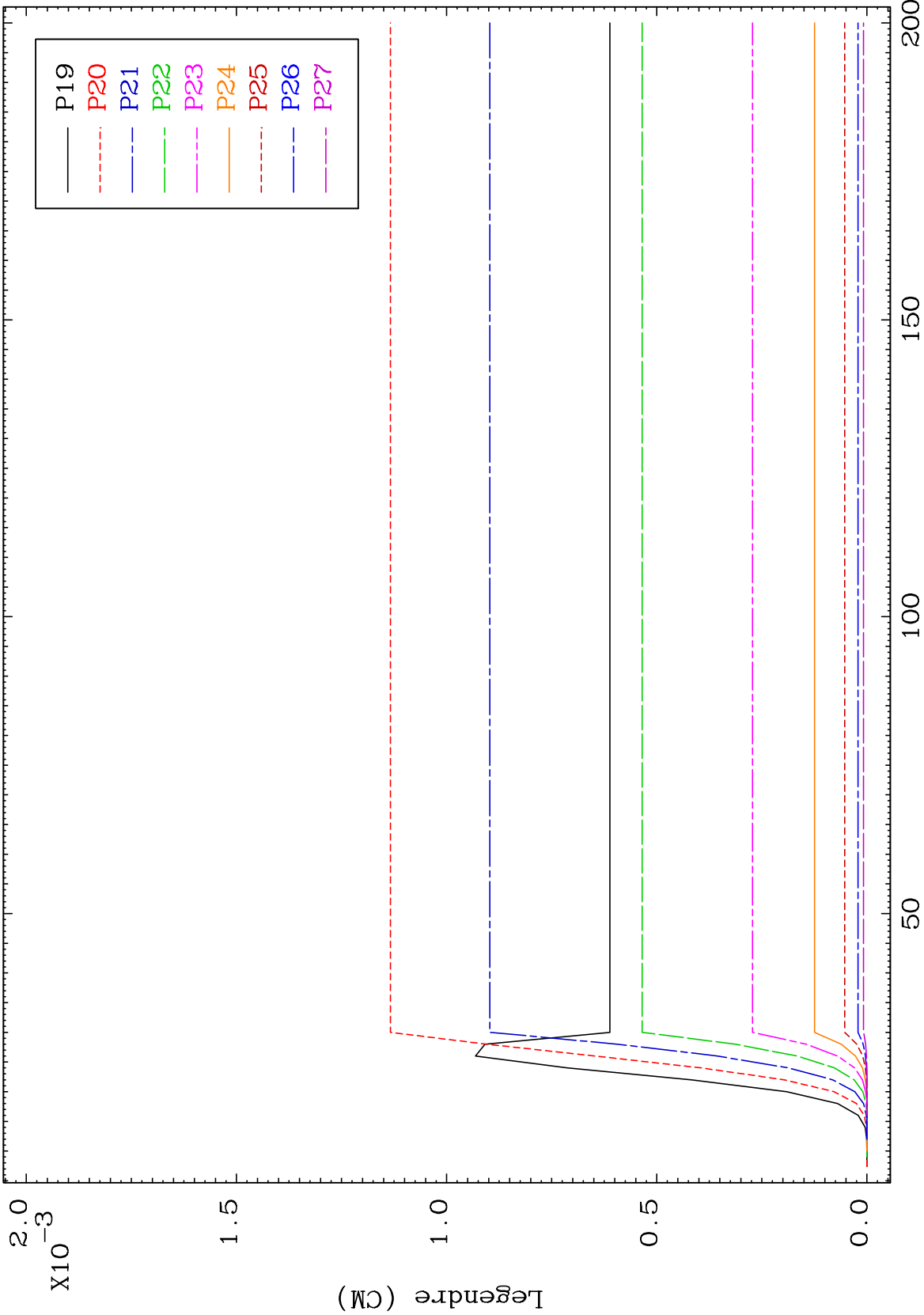
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

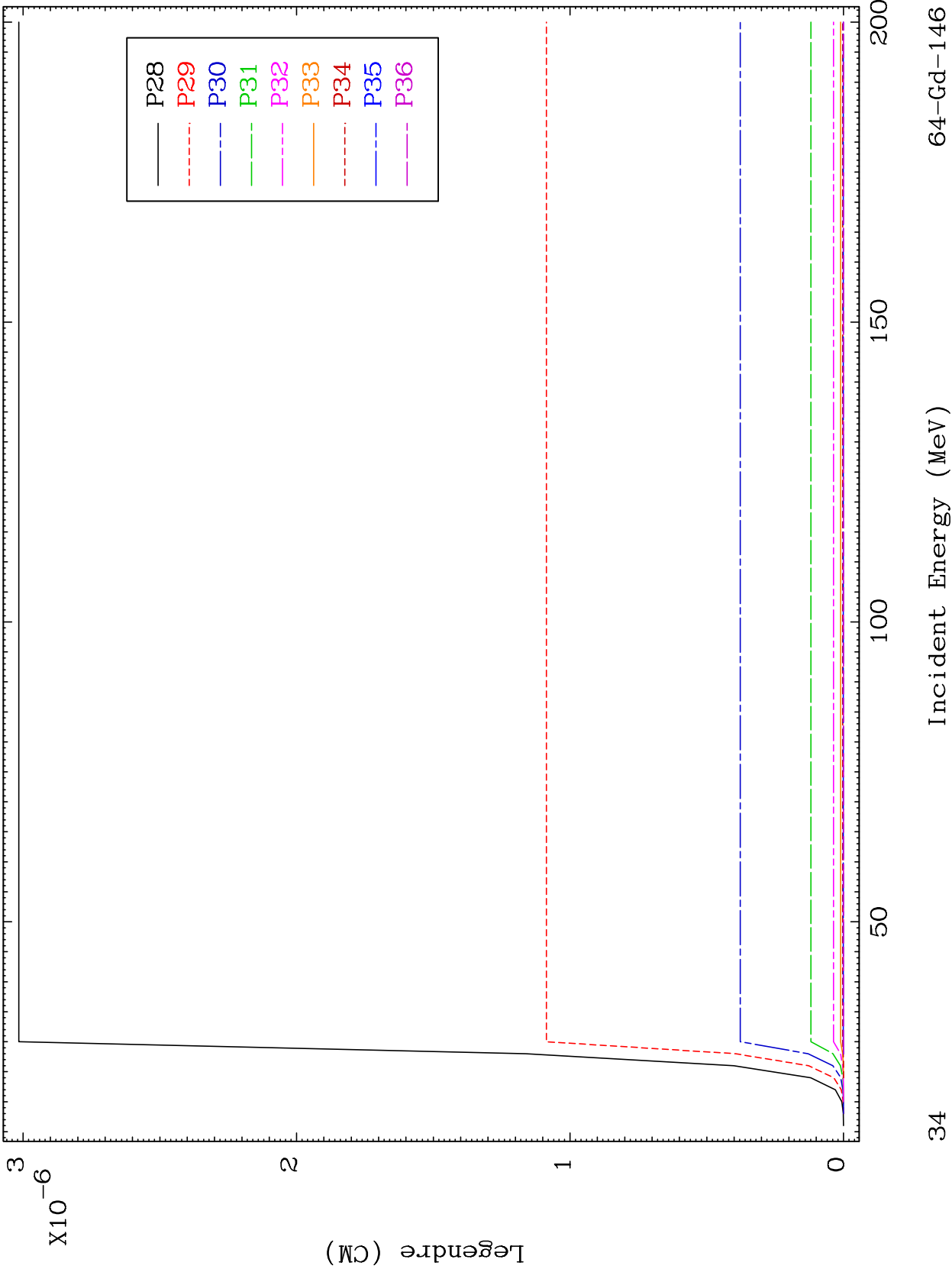
64-Gd-146



MAT 6407

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

64-Gd-146



34

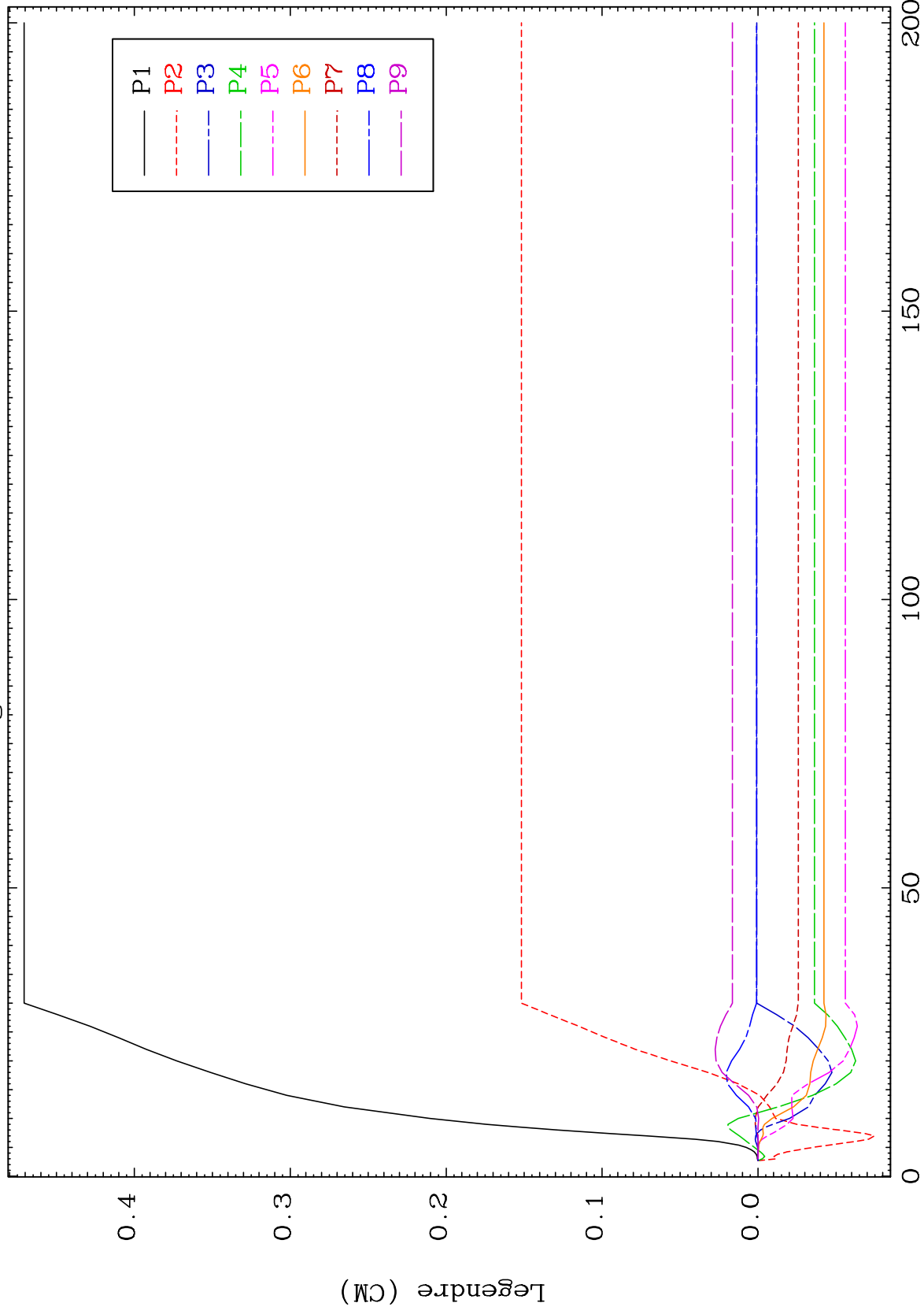
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

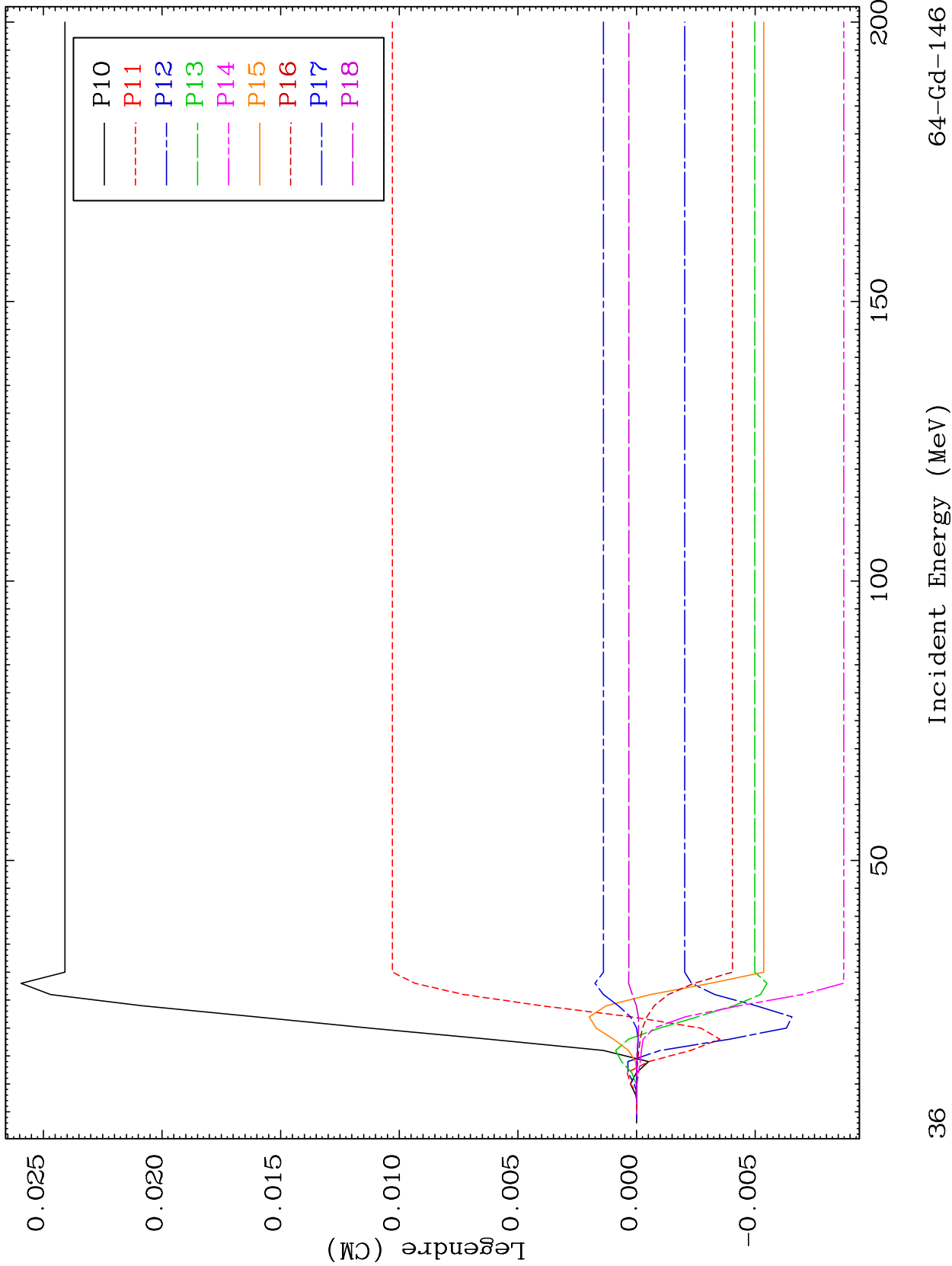
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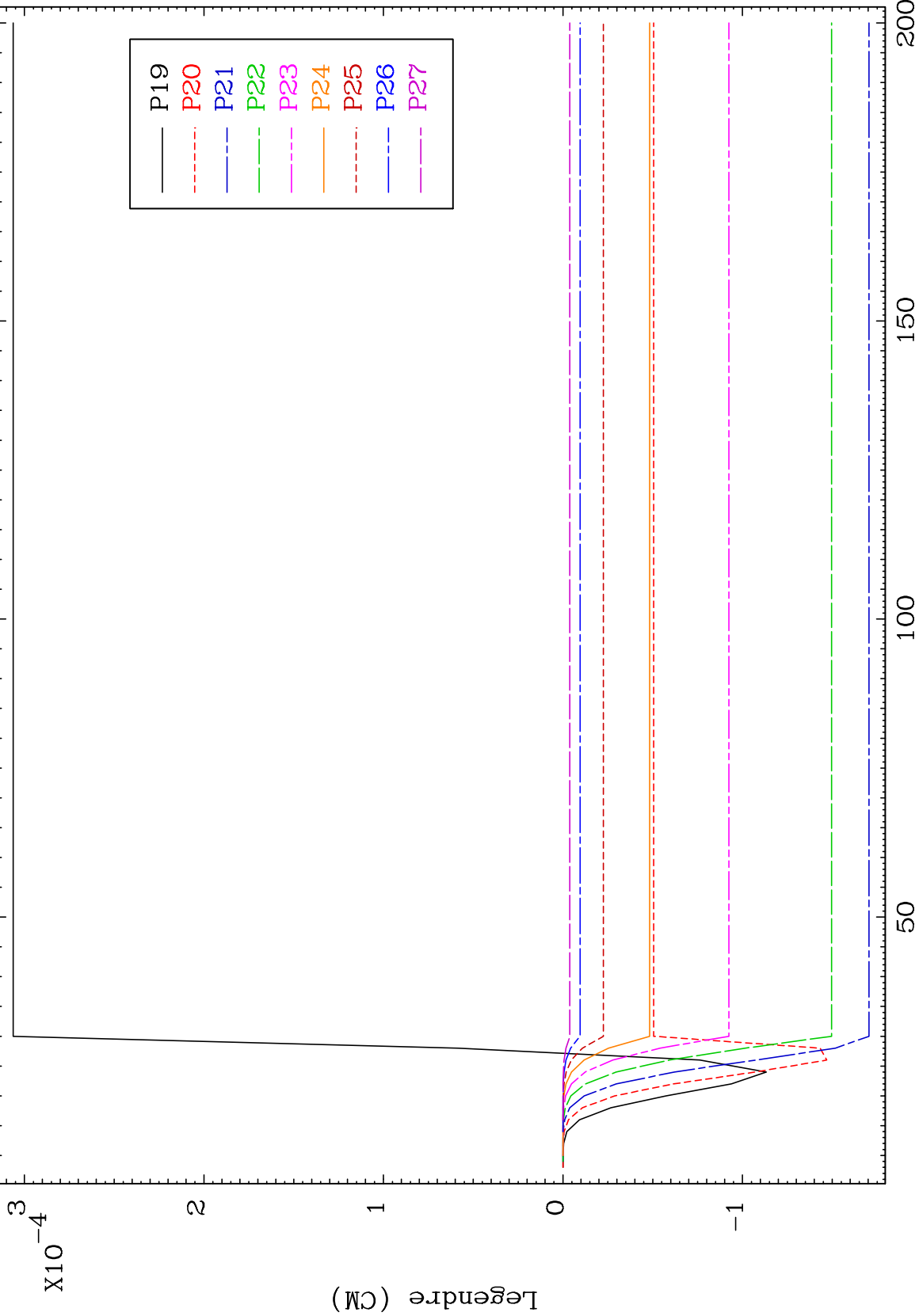


35

Incident Energy (MeV)

64-Gd-146

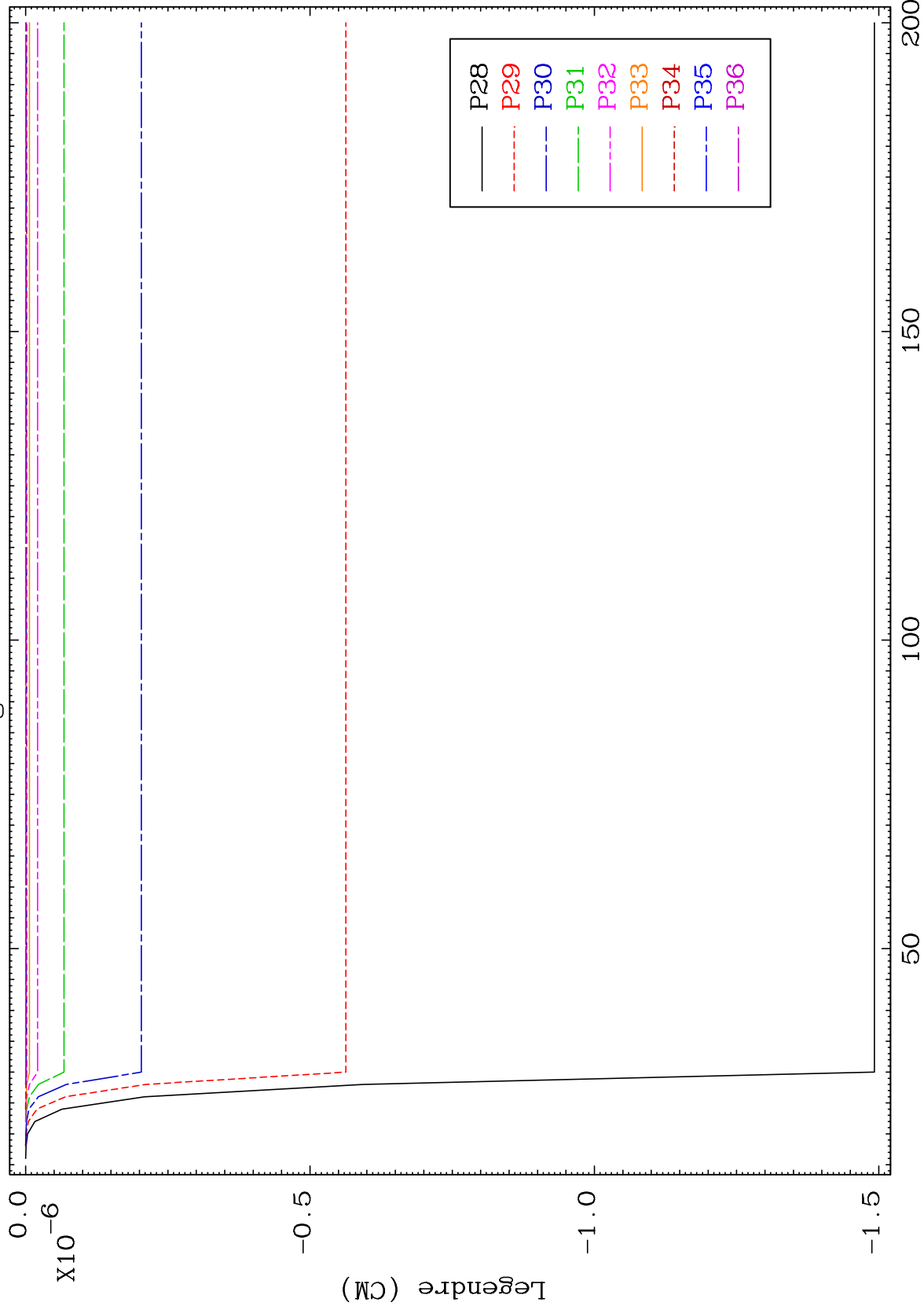


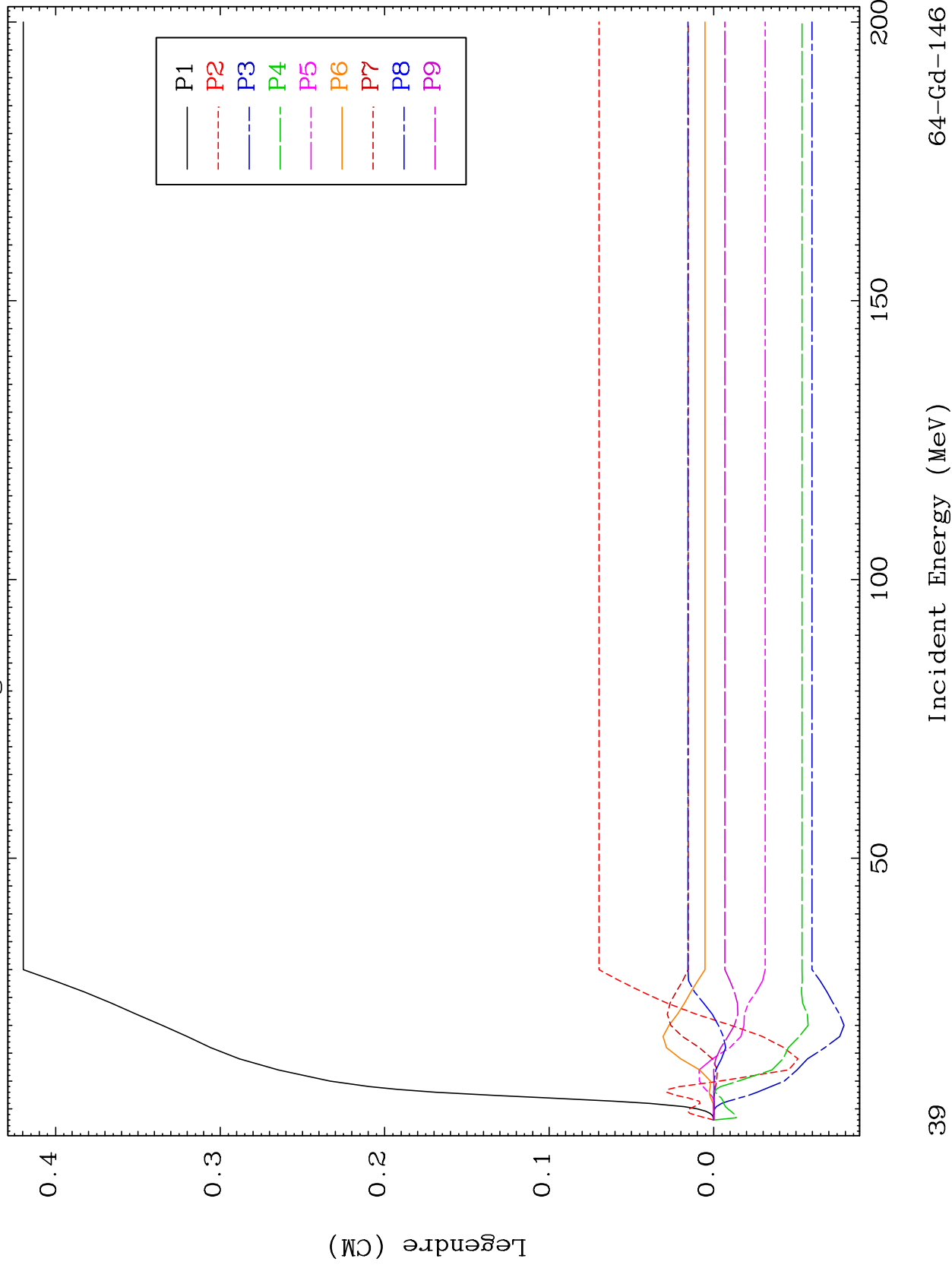


MAT 6407

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

64-Gd-146



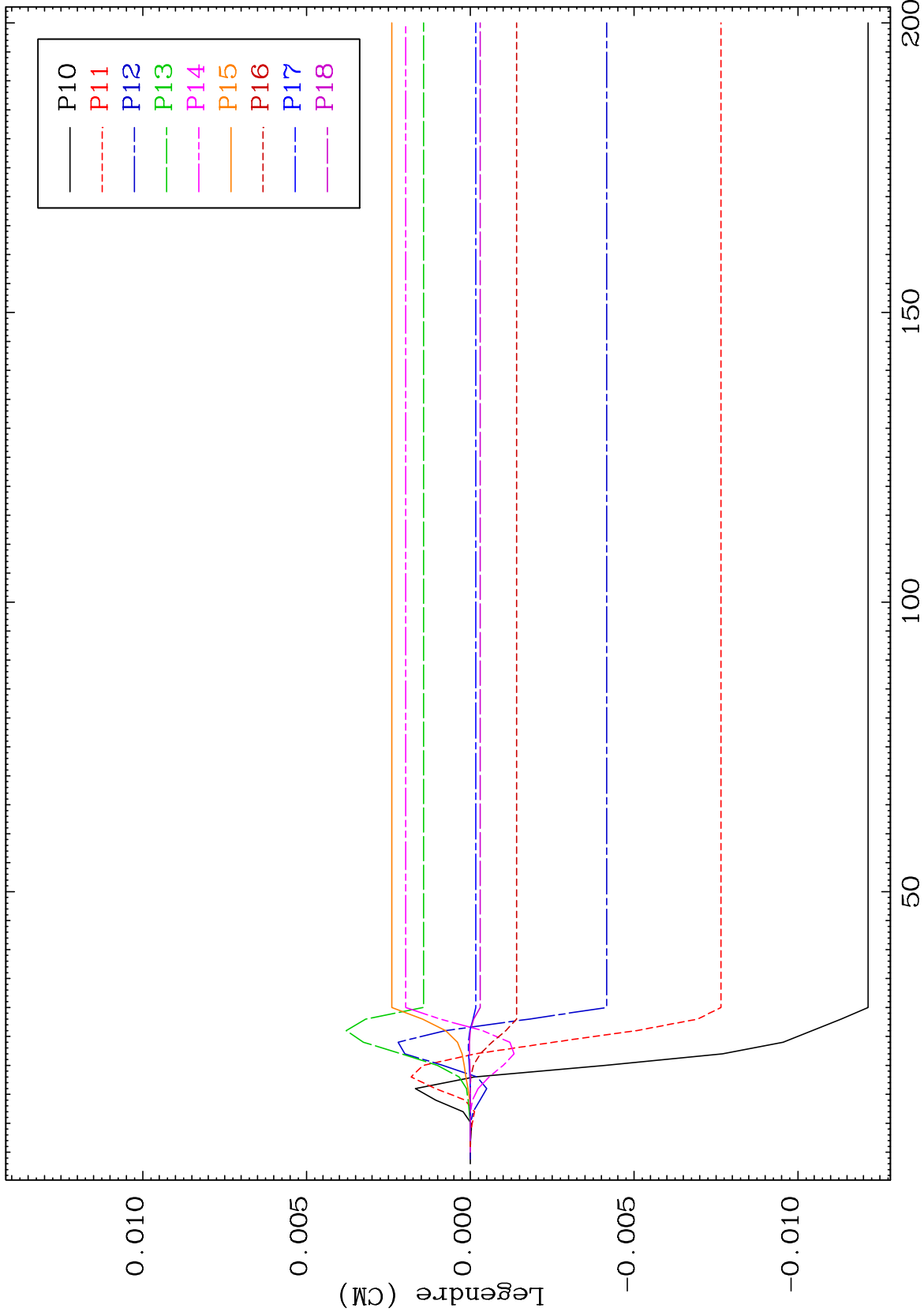




MAT 6407

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

64-Gd-146



40

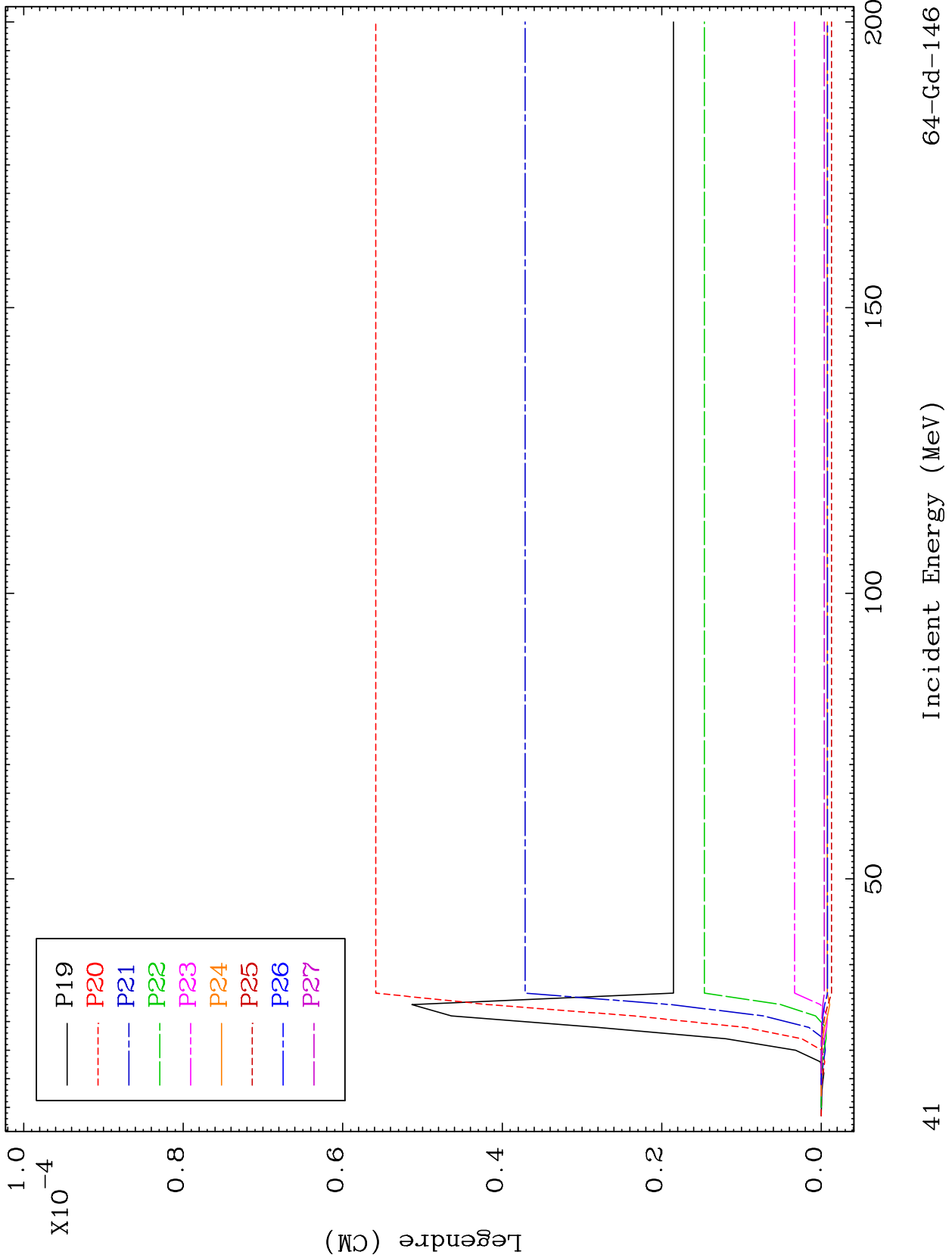
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

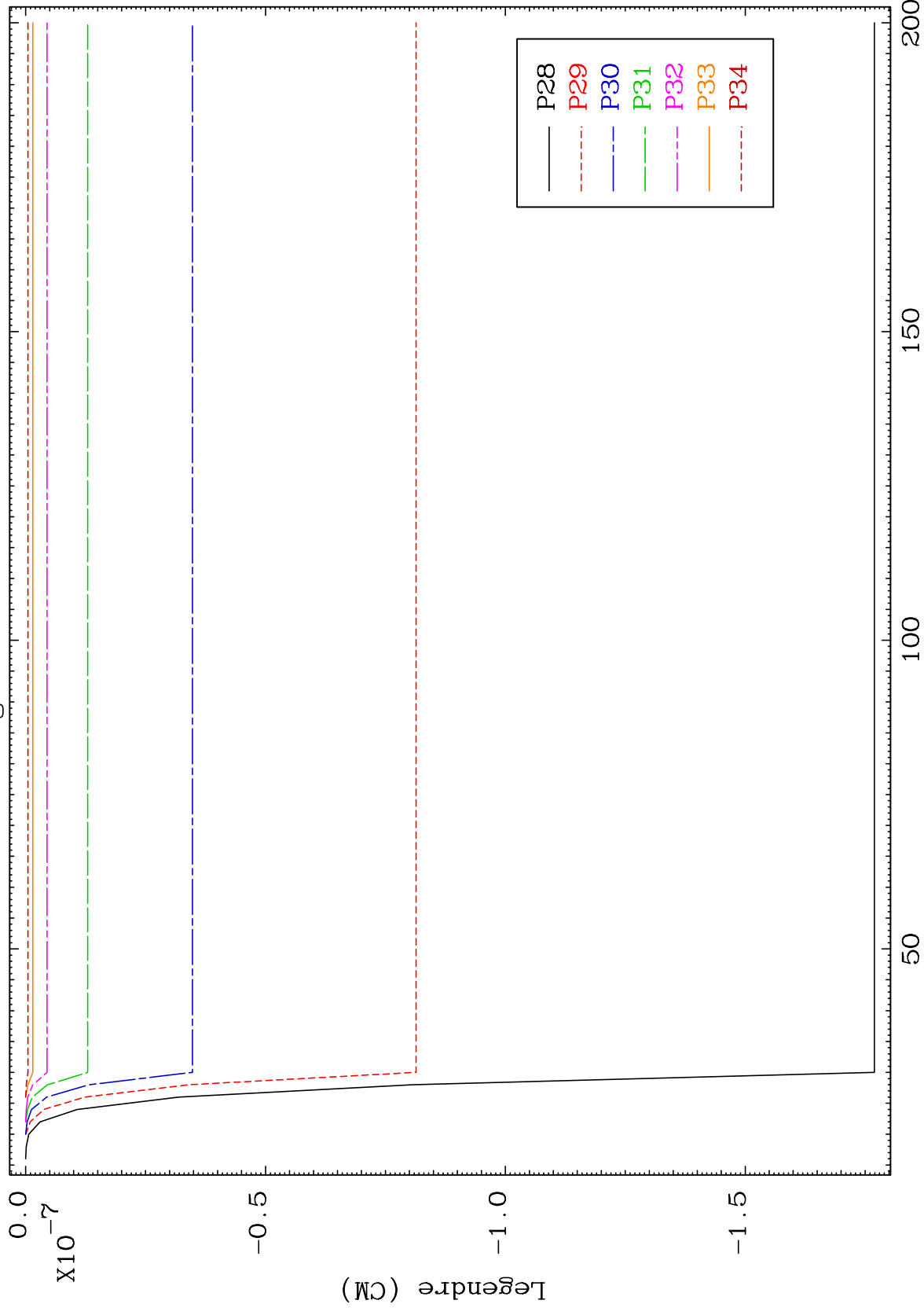
64-Gd-146



MAT 6407

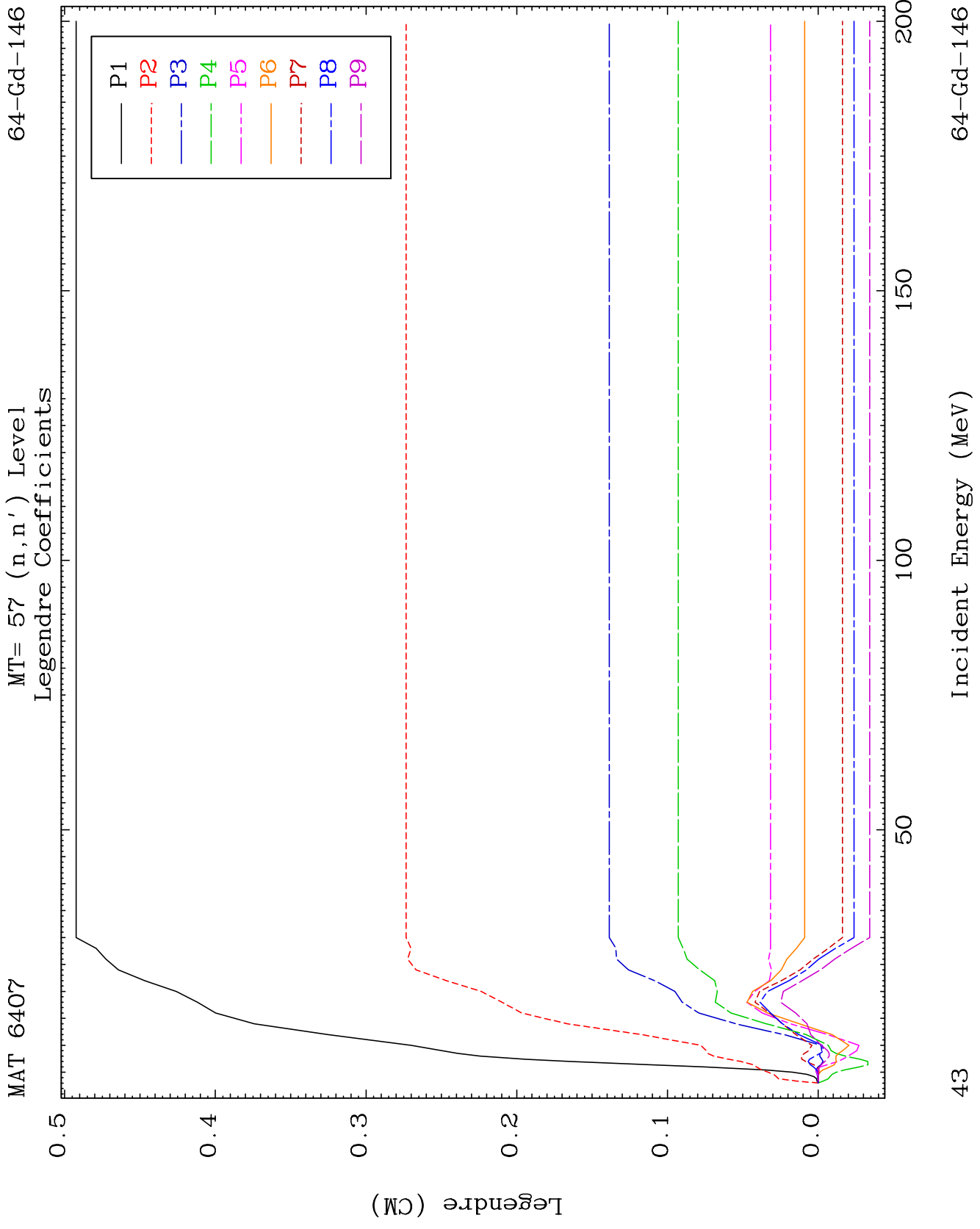
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Legendre Coefficients

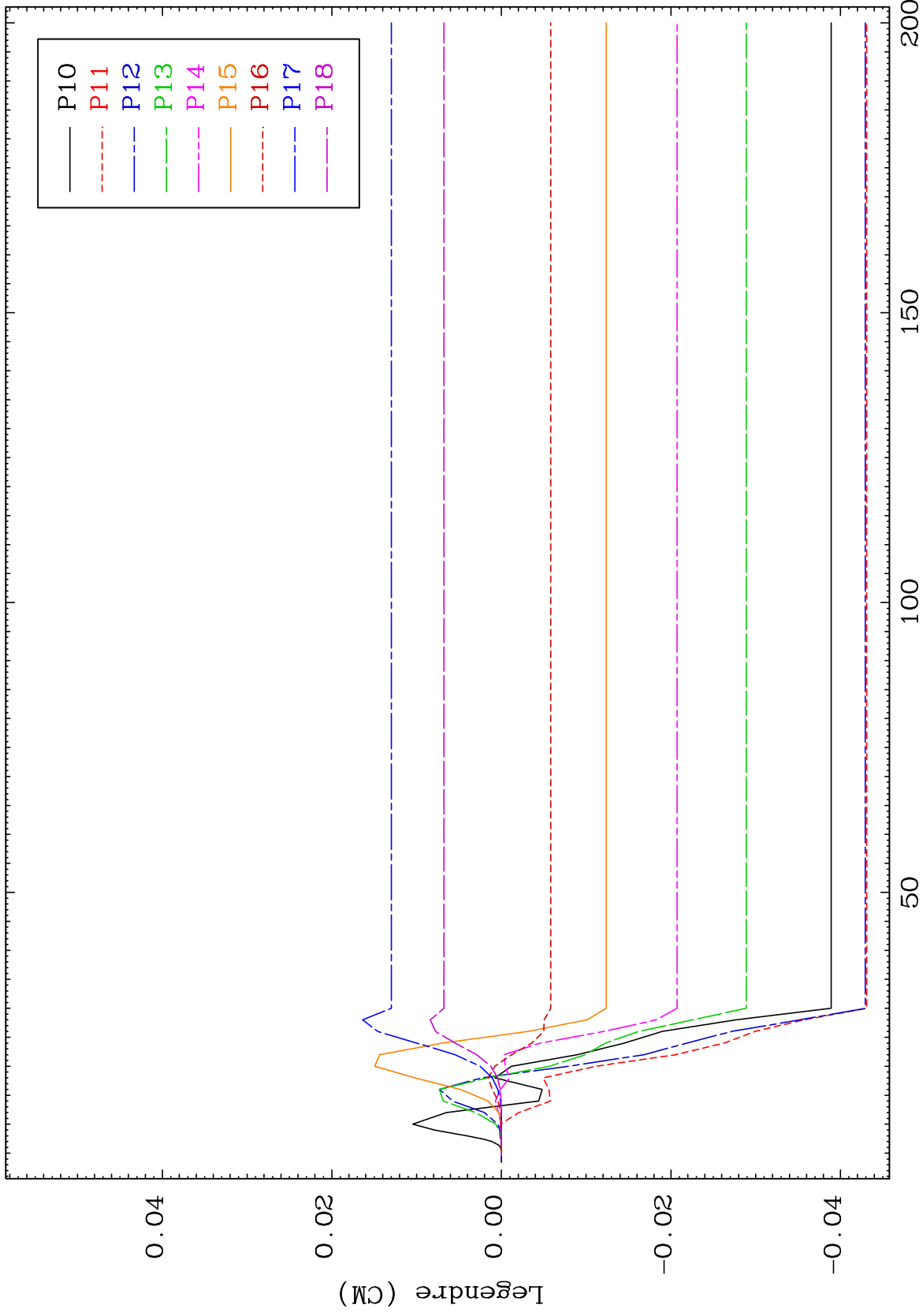
64-Gd-146



42

64-Gd-146

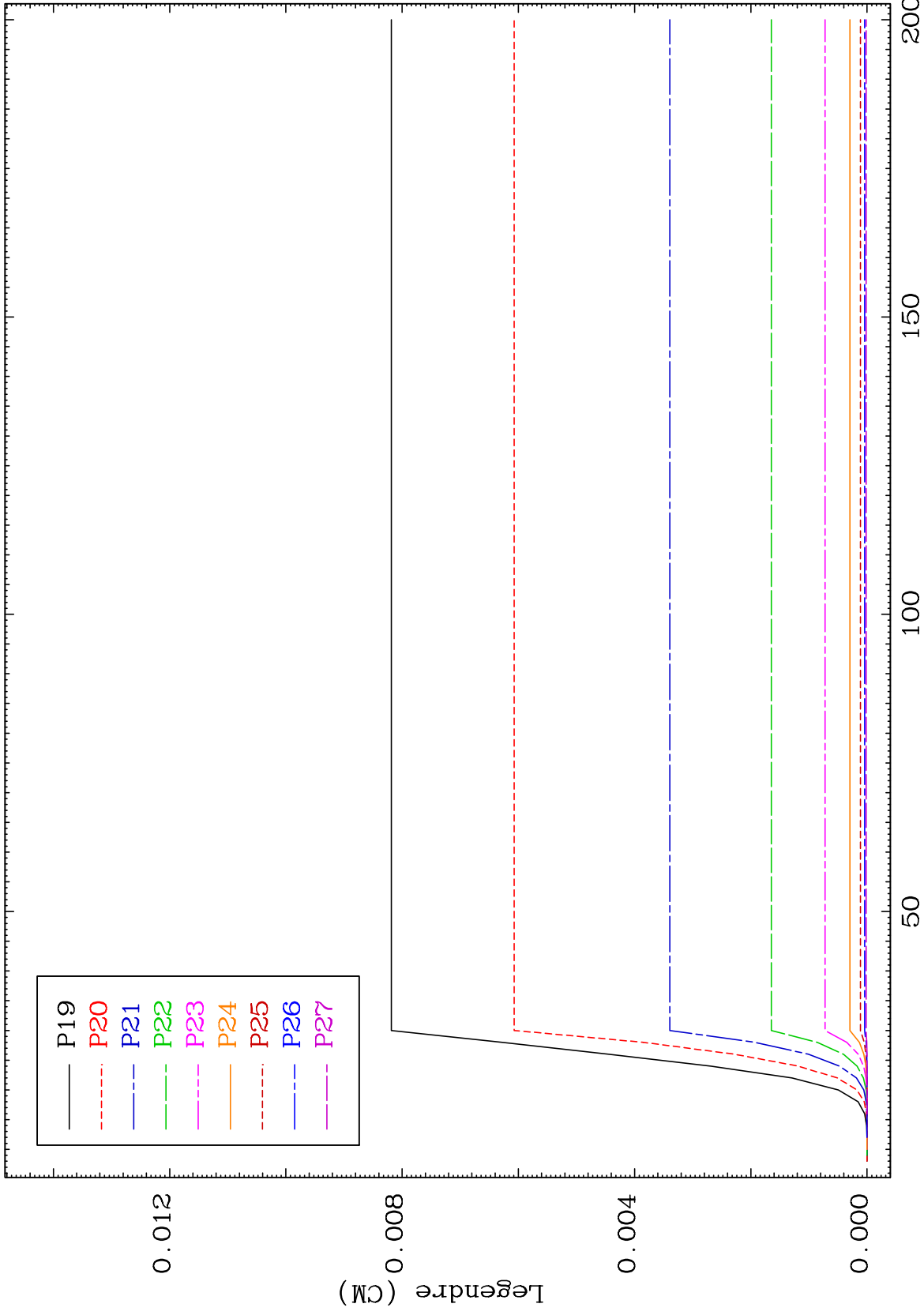




MAT 6407

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

64-Gd-146



45

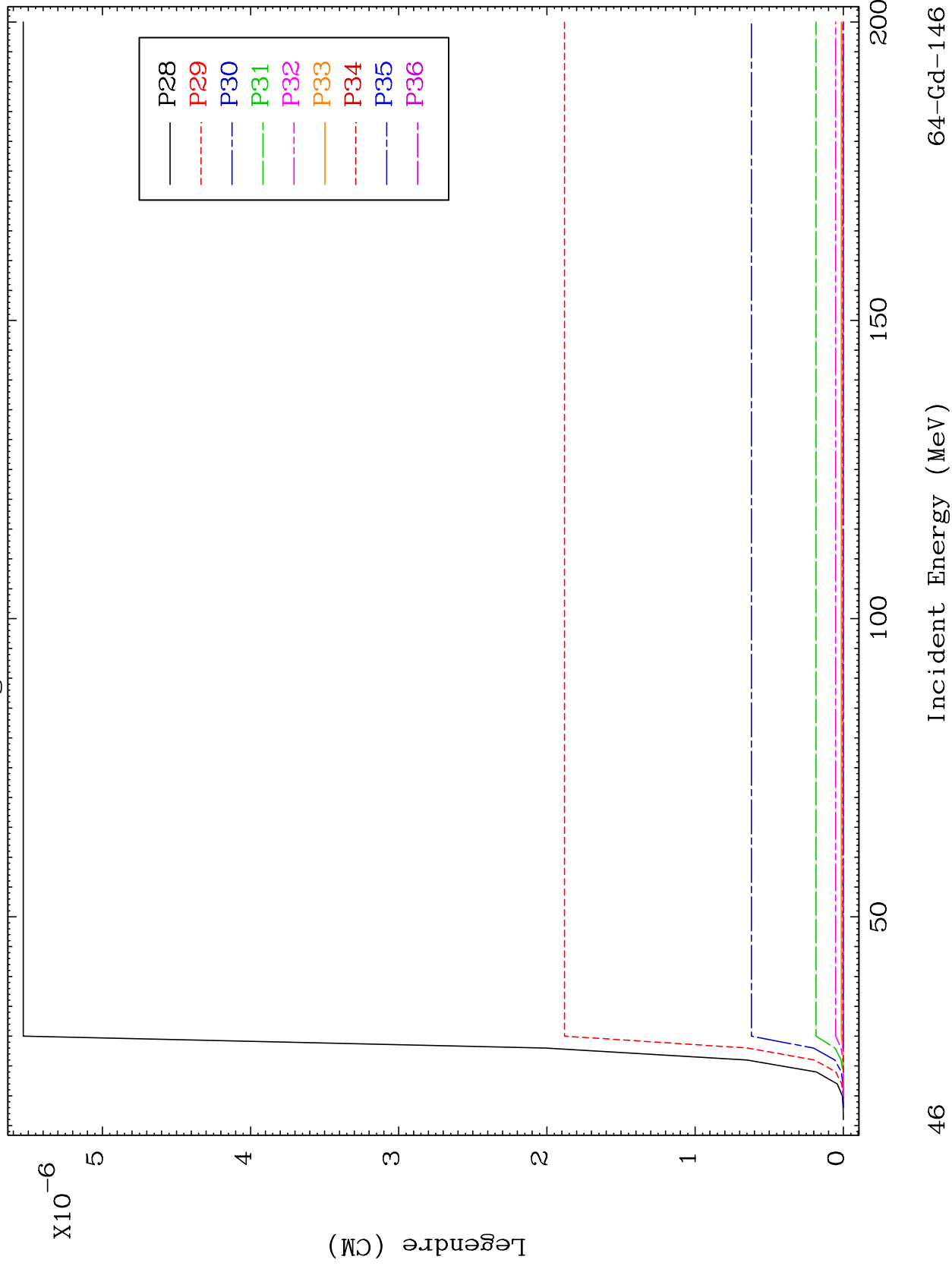
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



46

Incident Energy (MeV)

64-Gd-146

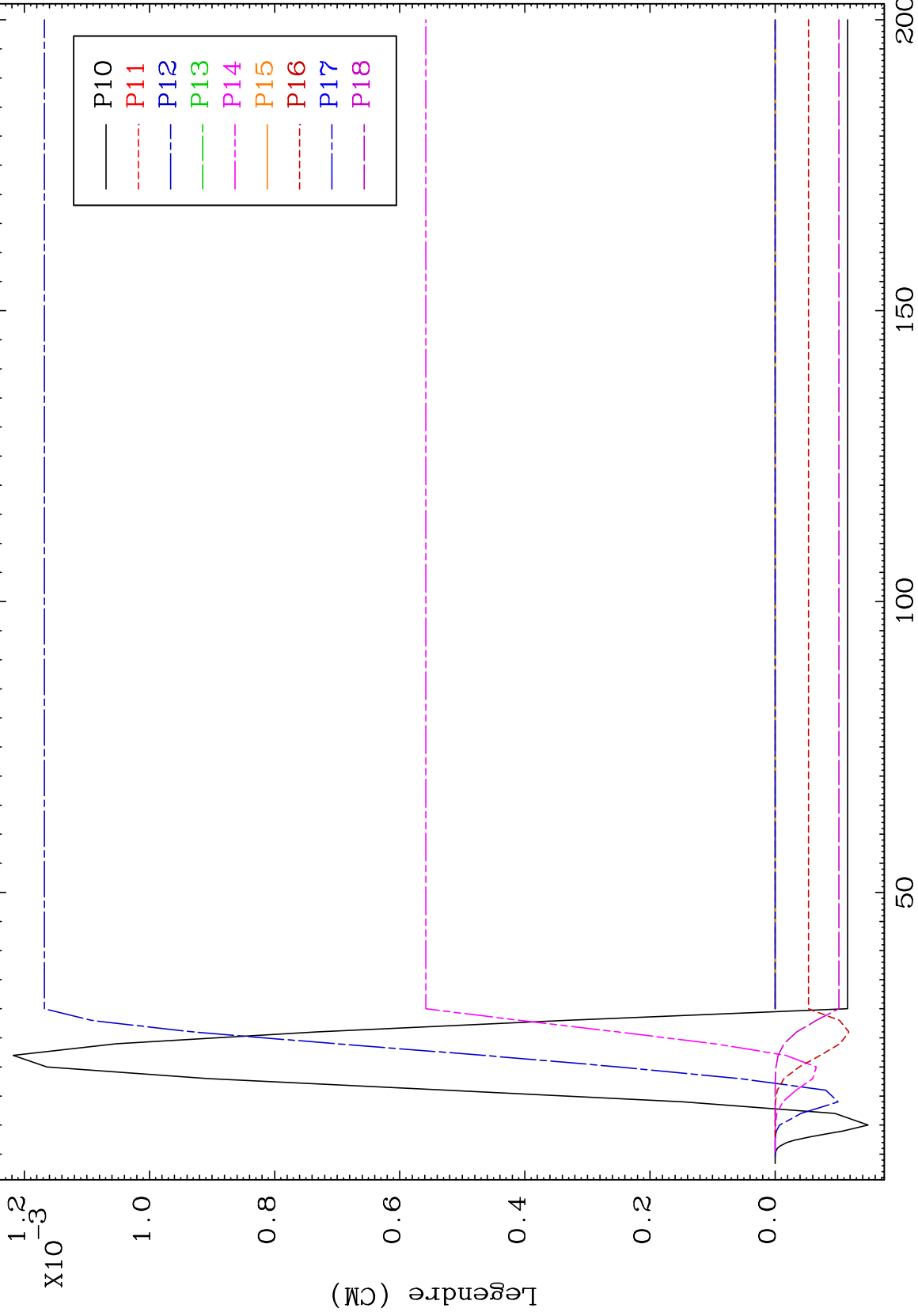




MAT 6407

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

64-Gd-146



48

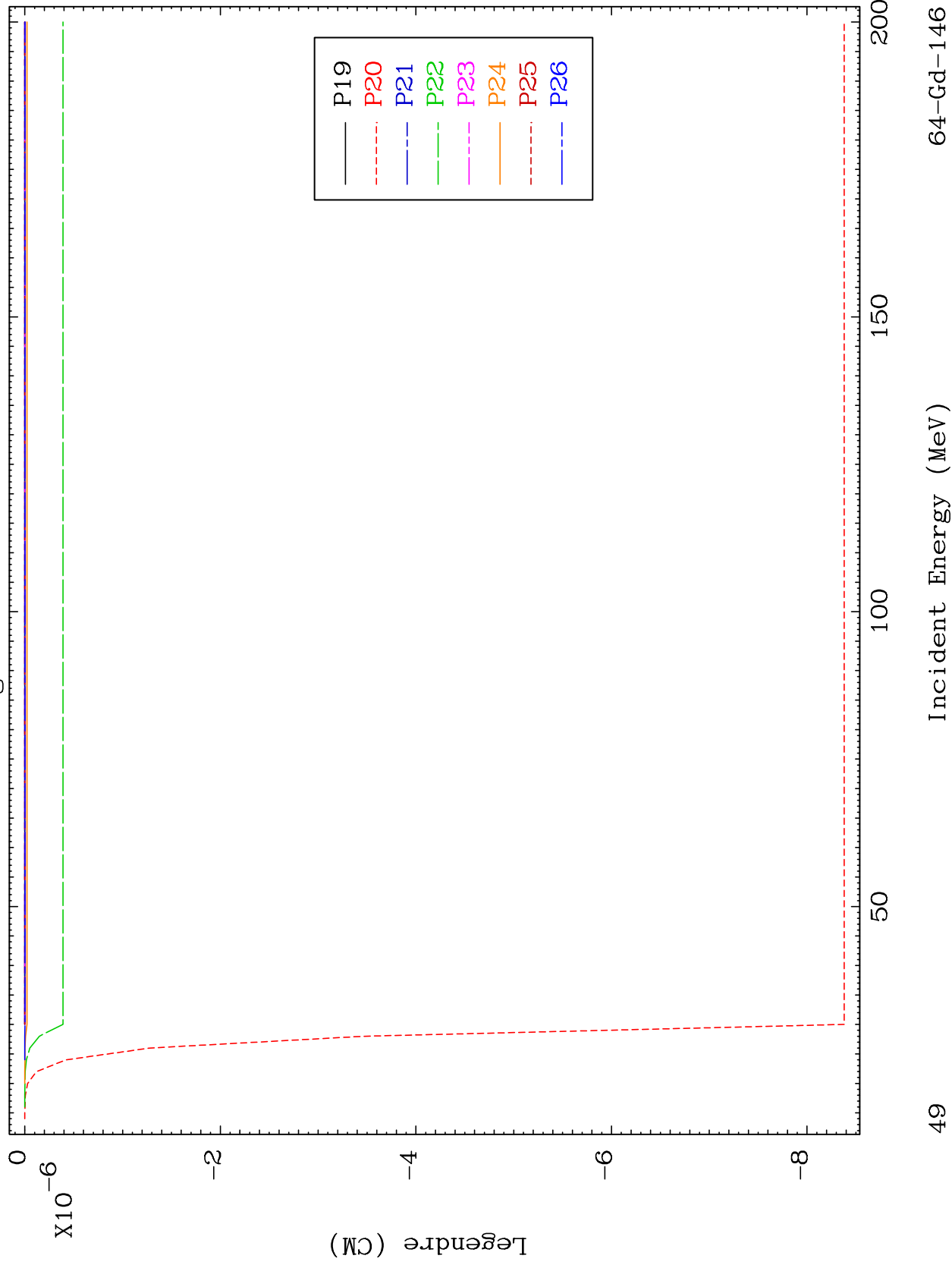
Incident Energy (MeV)

64-Gd-146

MAT 6407

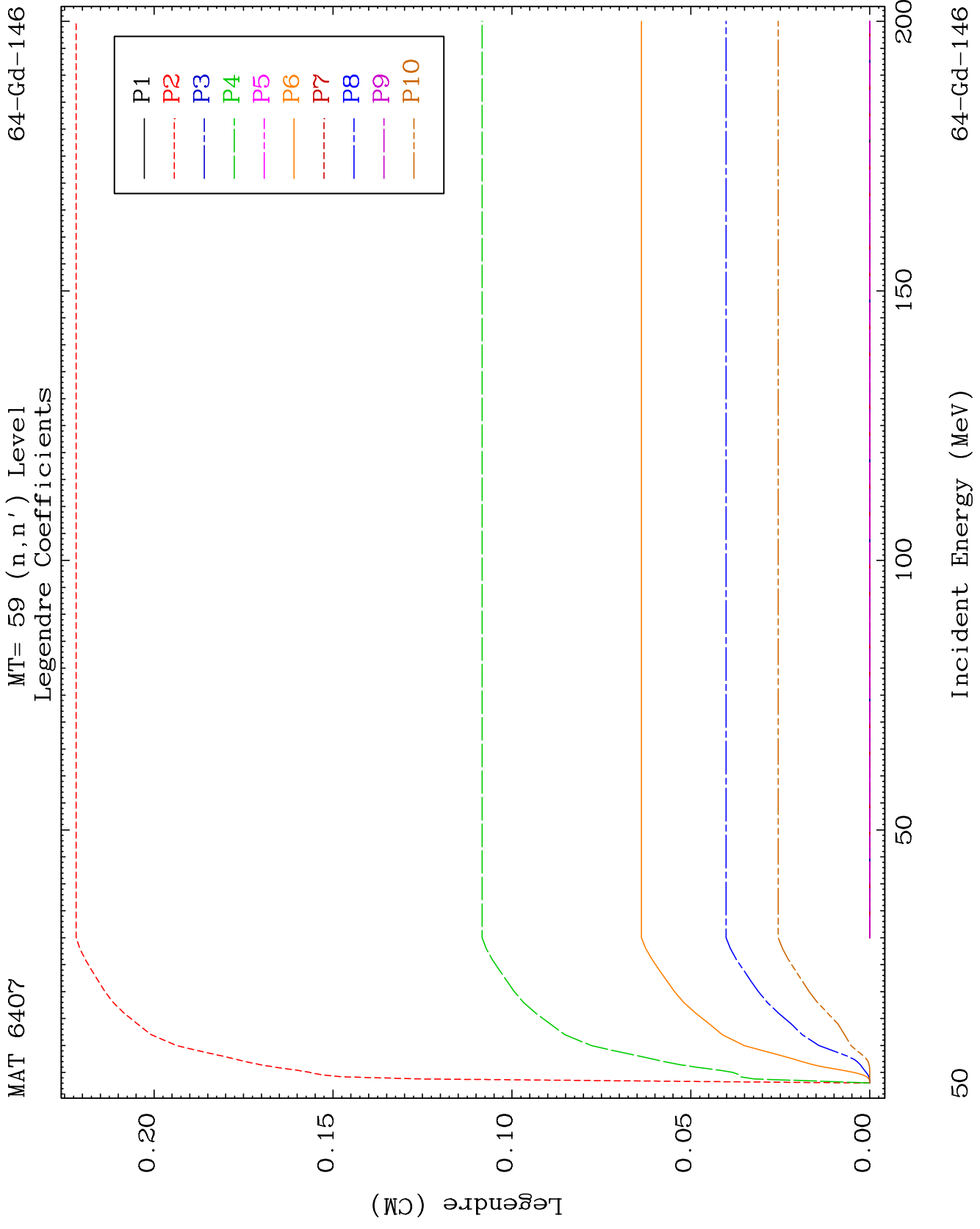
MT= 58 (n,n') Level  
Legendre Coefficients

64-Gd-146



49

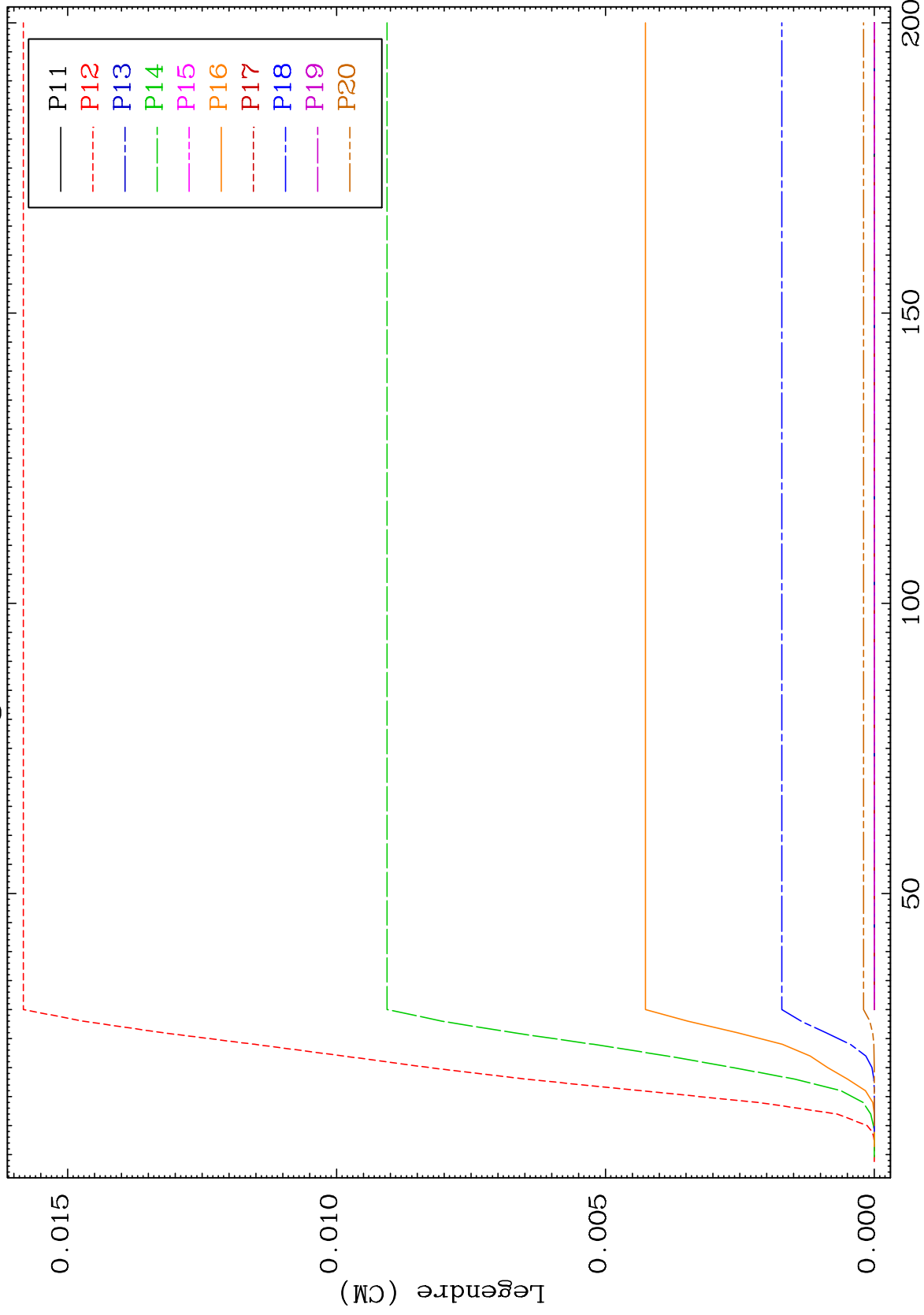
64-Gd-146



MAT 6407

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

64-Gd-146



51

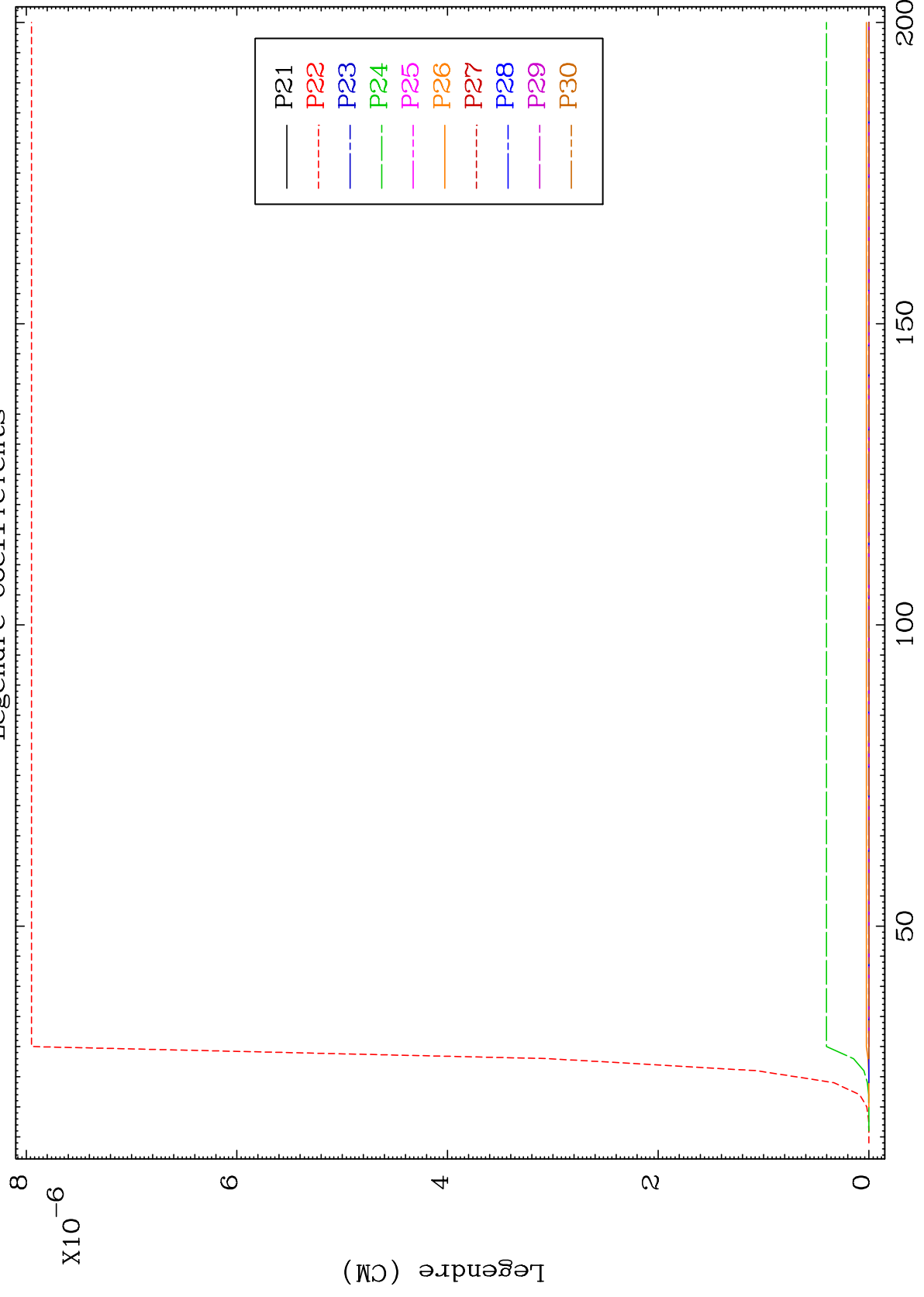
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



52

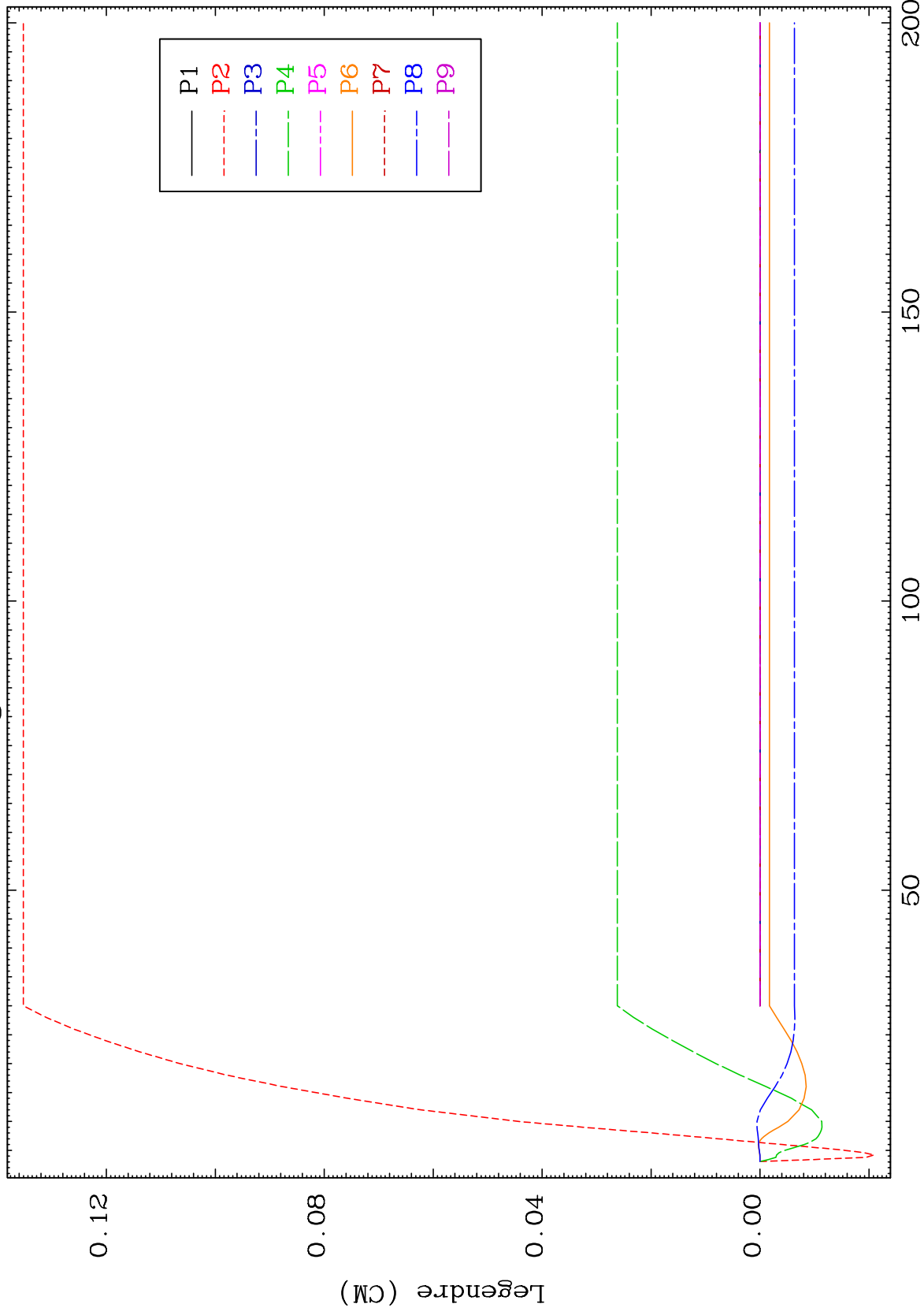
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



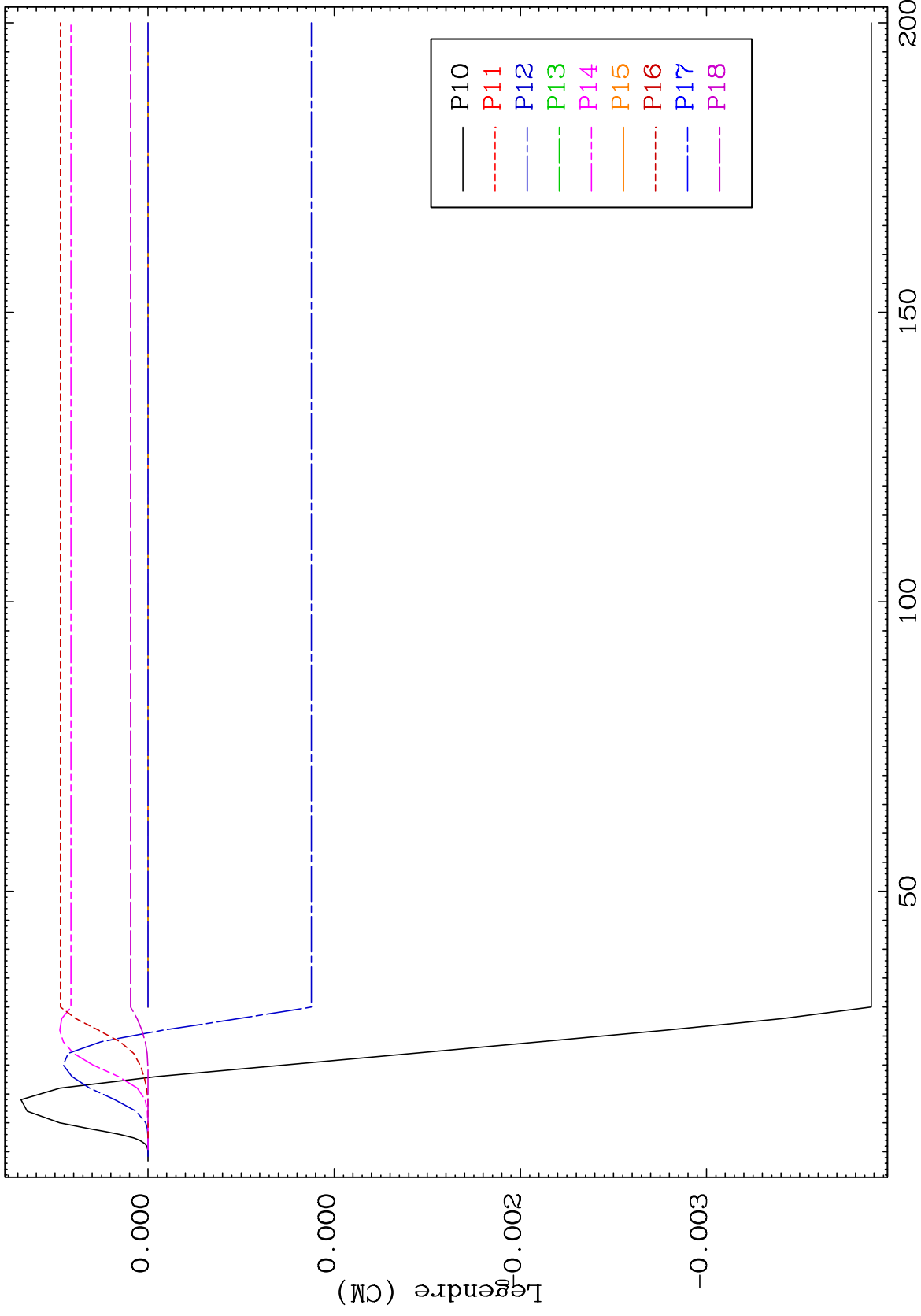
53

64-Gd-146

MAT 6407

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

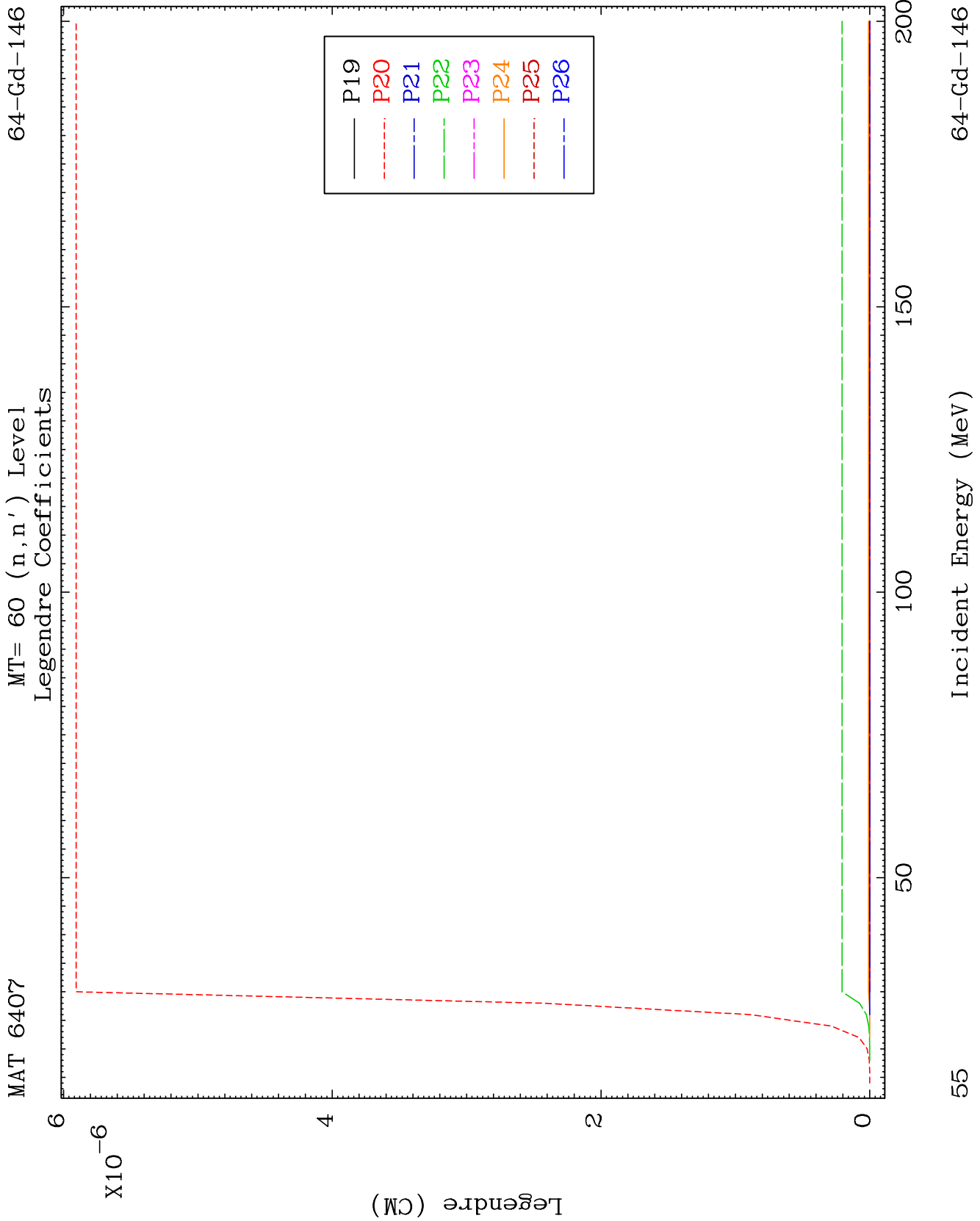
64-Gd-146



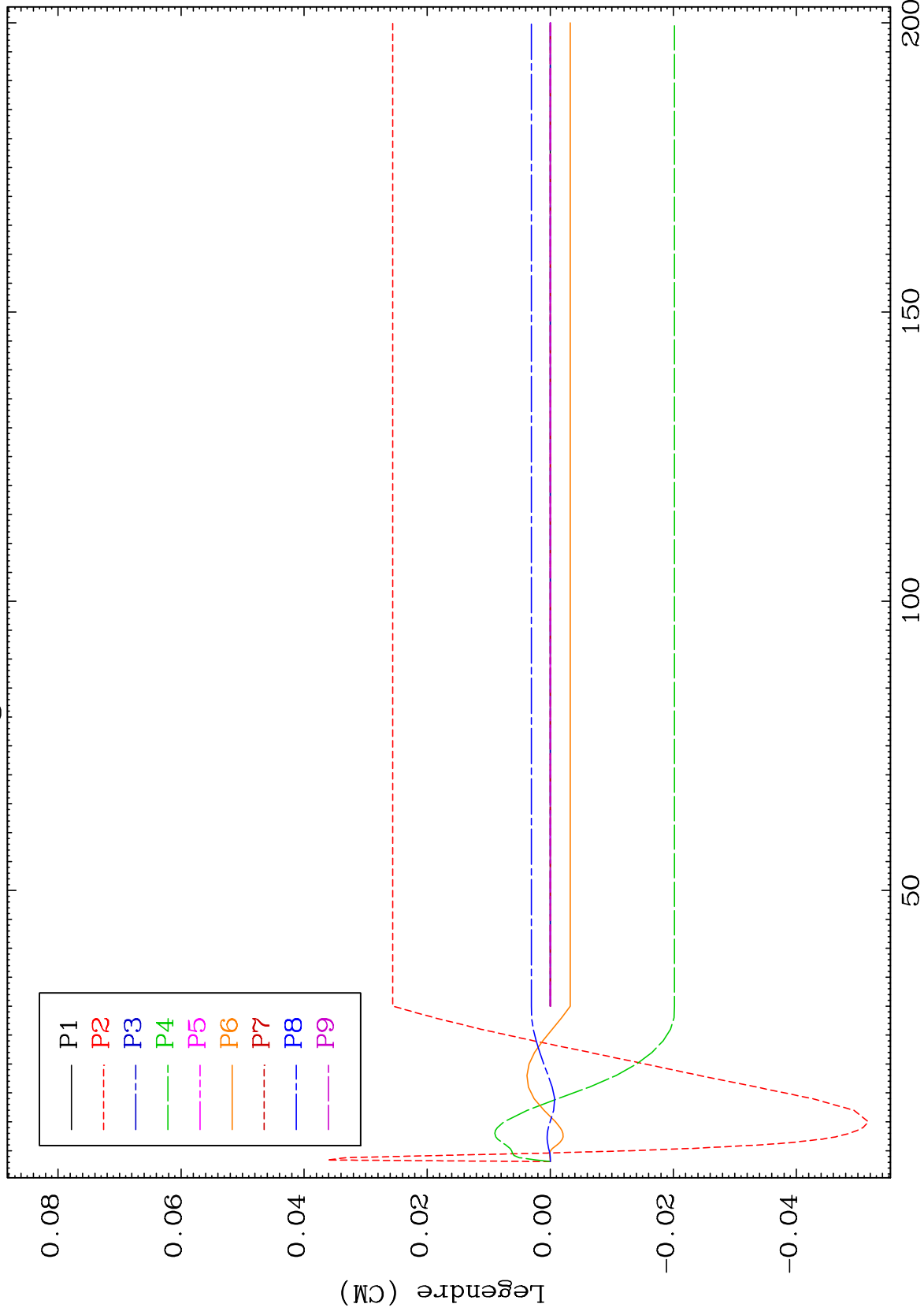
54

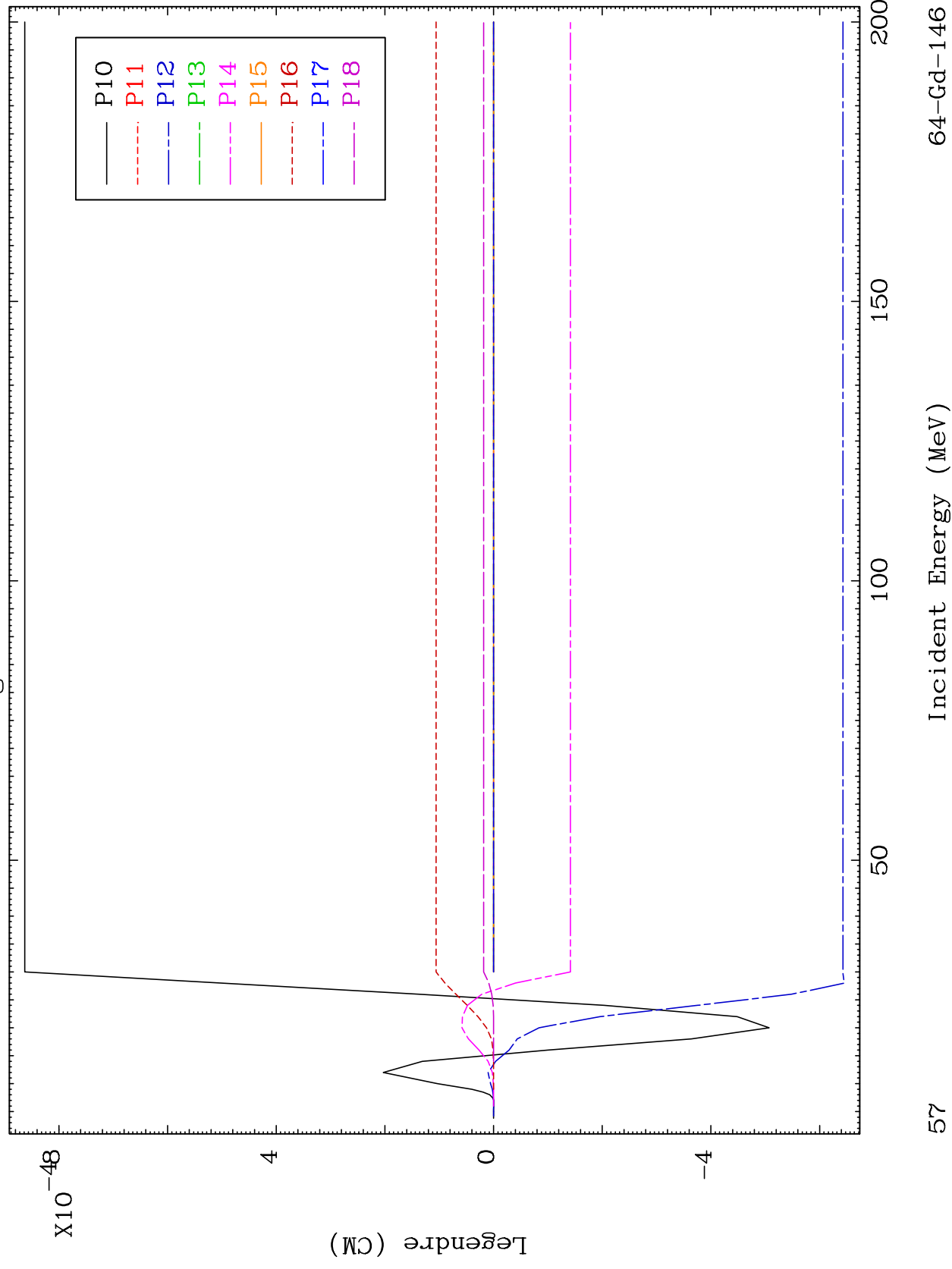
Incident Energy (MeV)

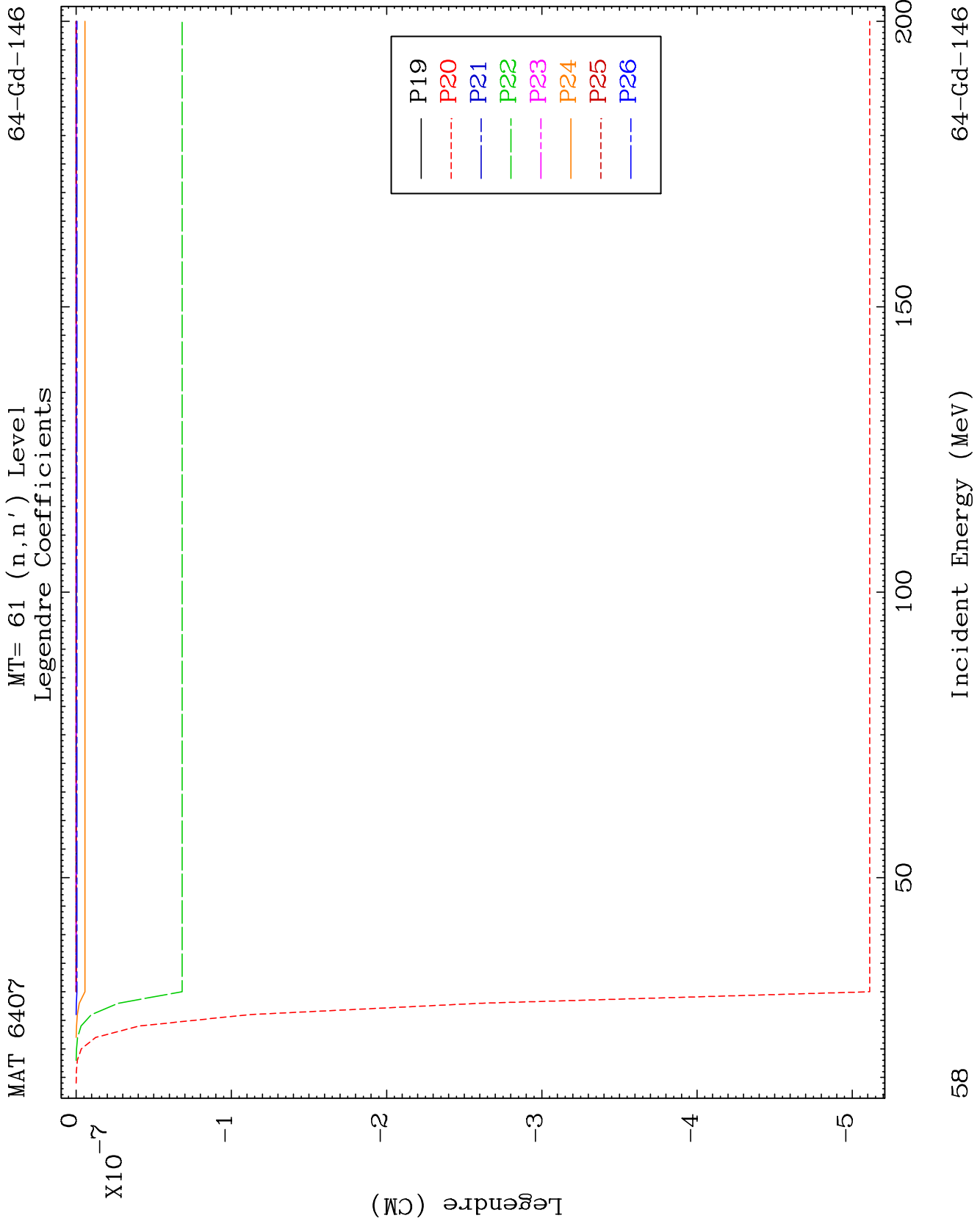
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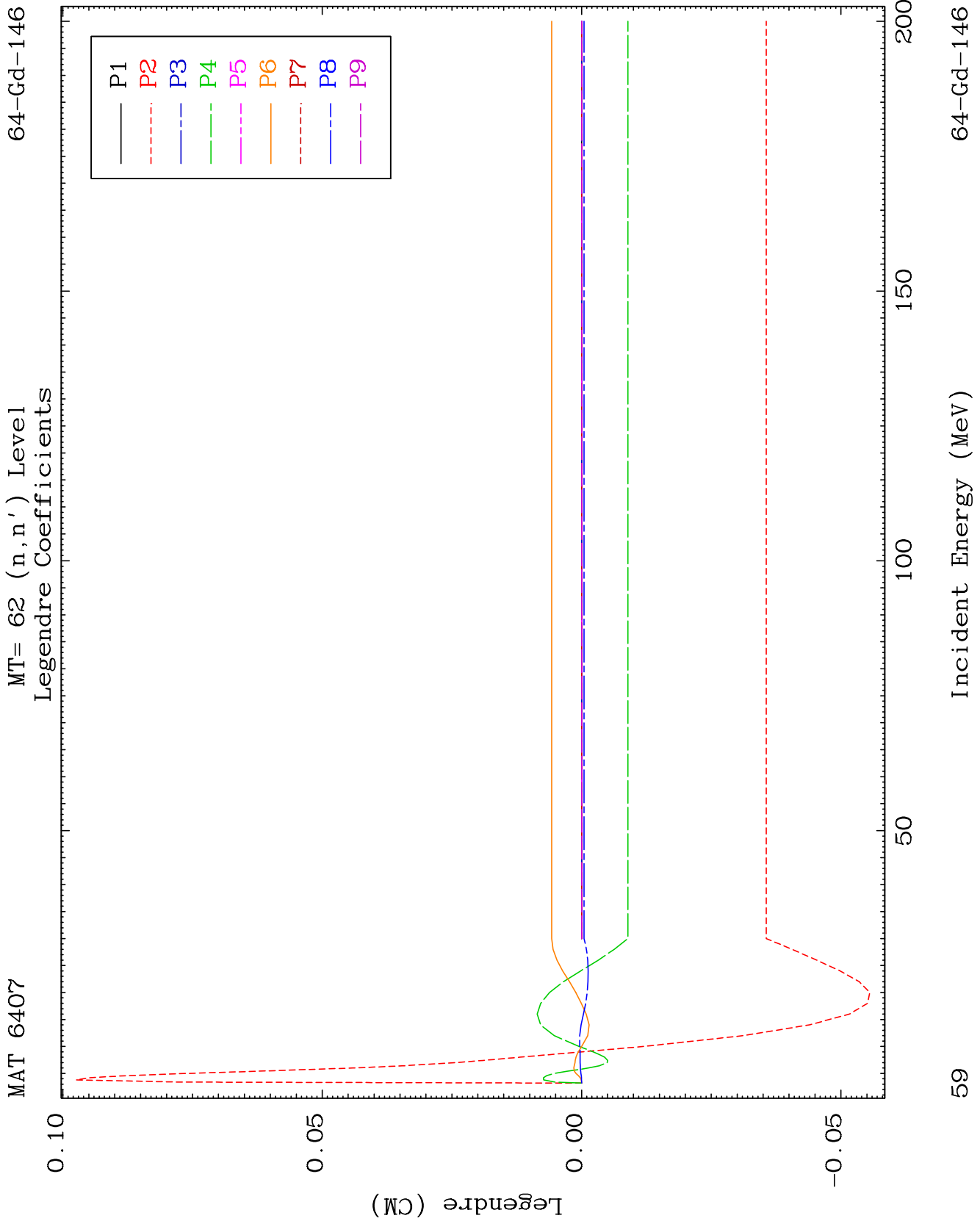








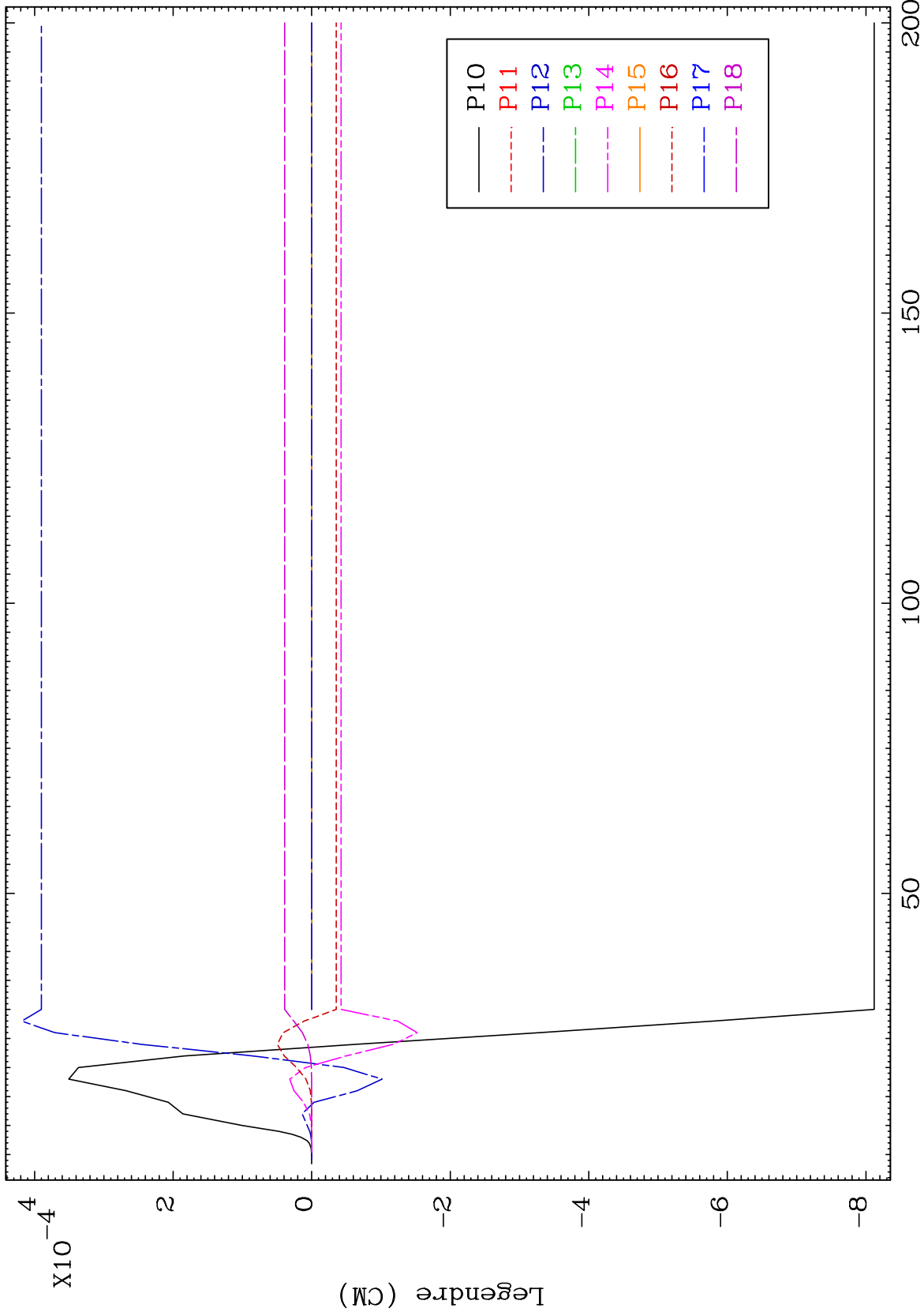




MAT 6407

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

64-Gd-146



60

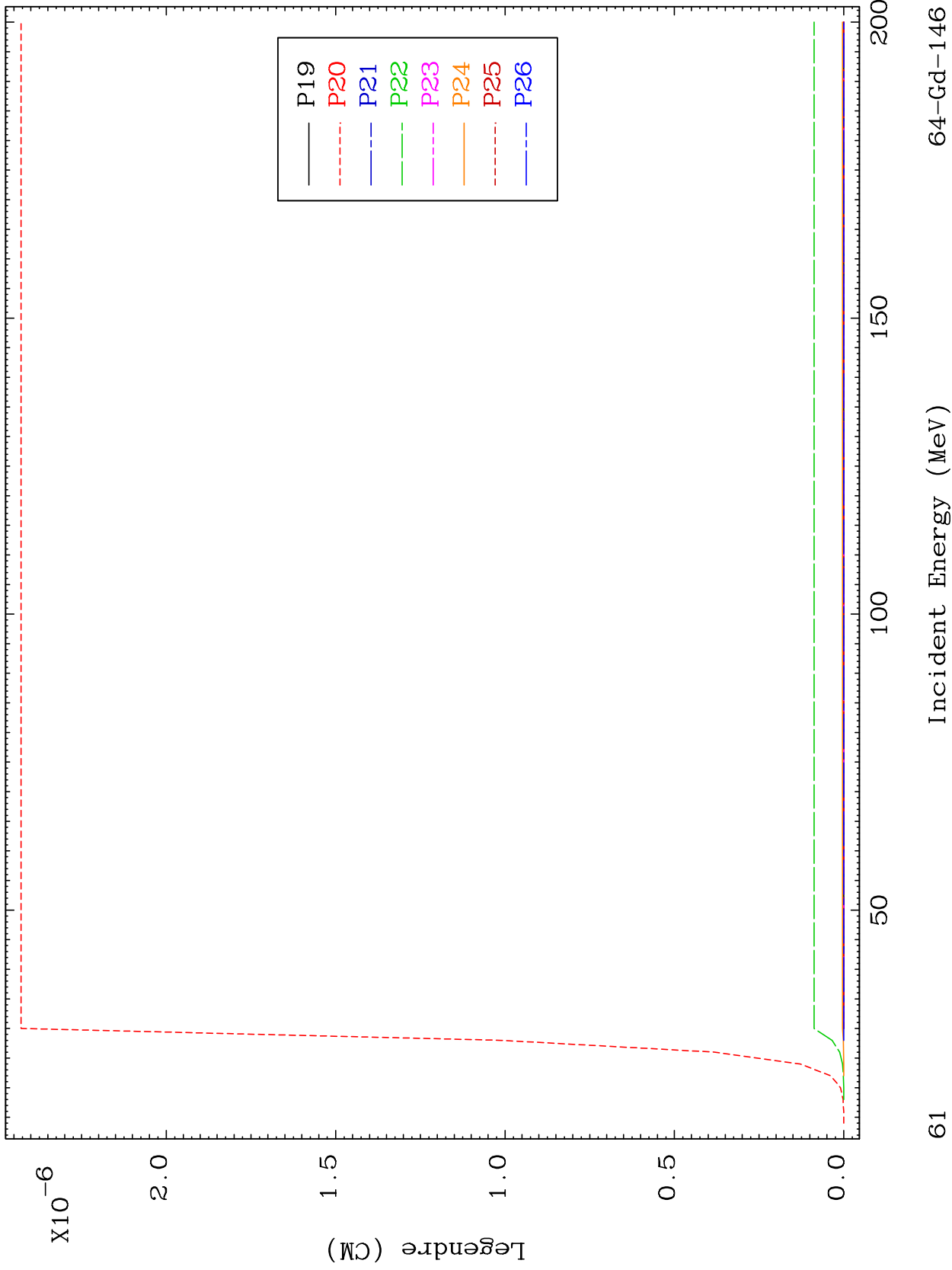
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

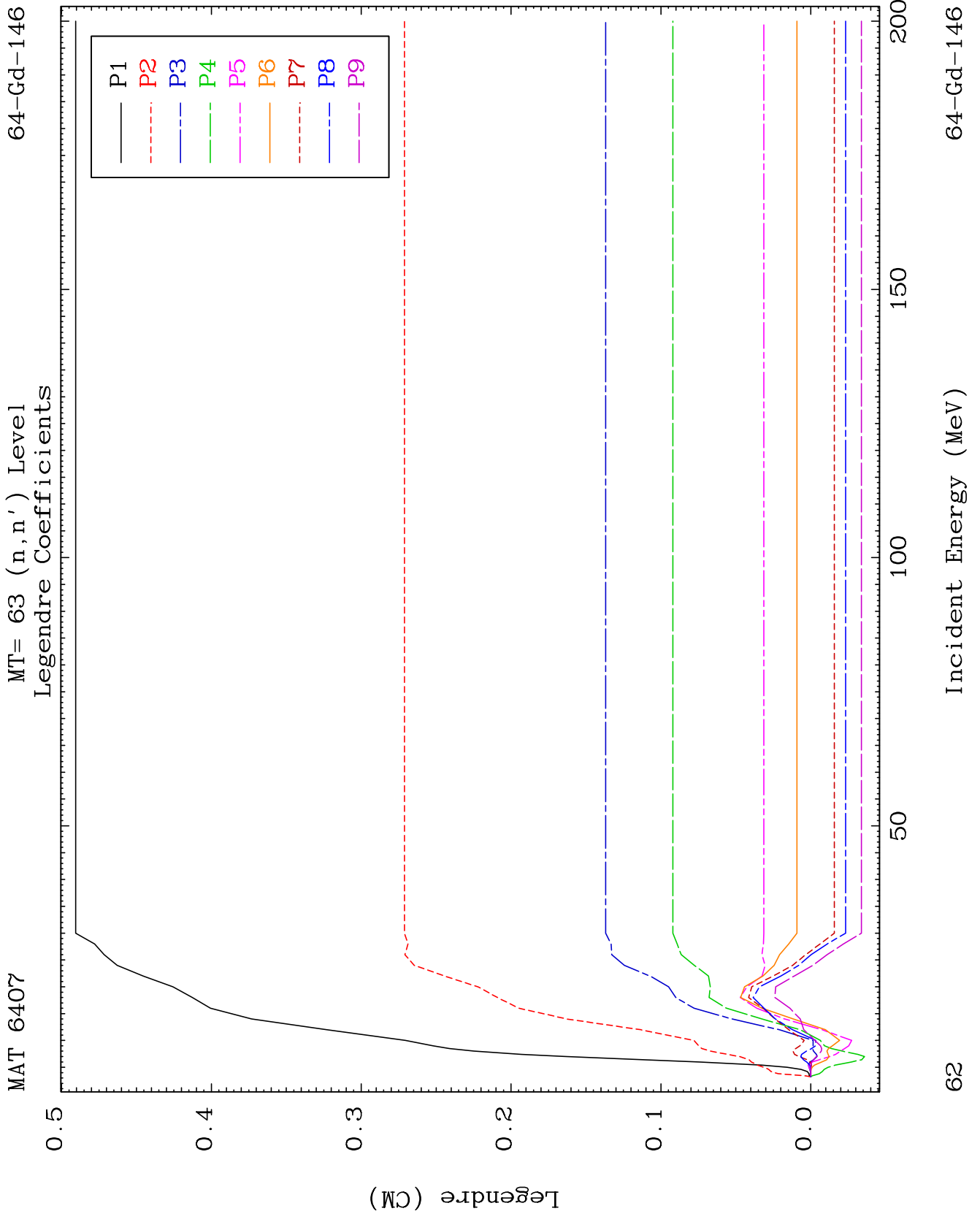
64-Gd-146



61

Incident Energy (MeV)

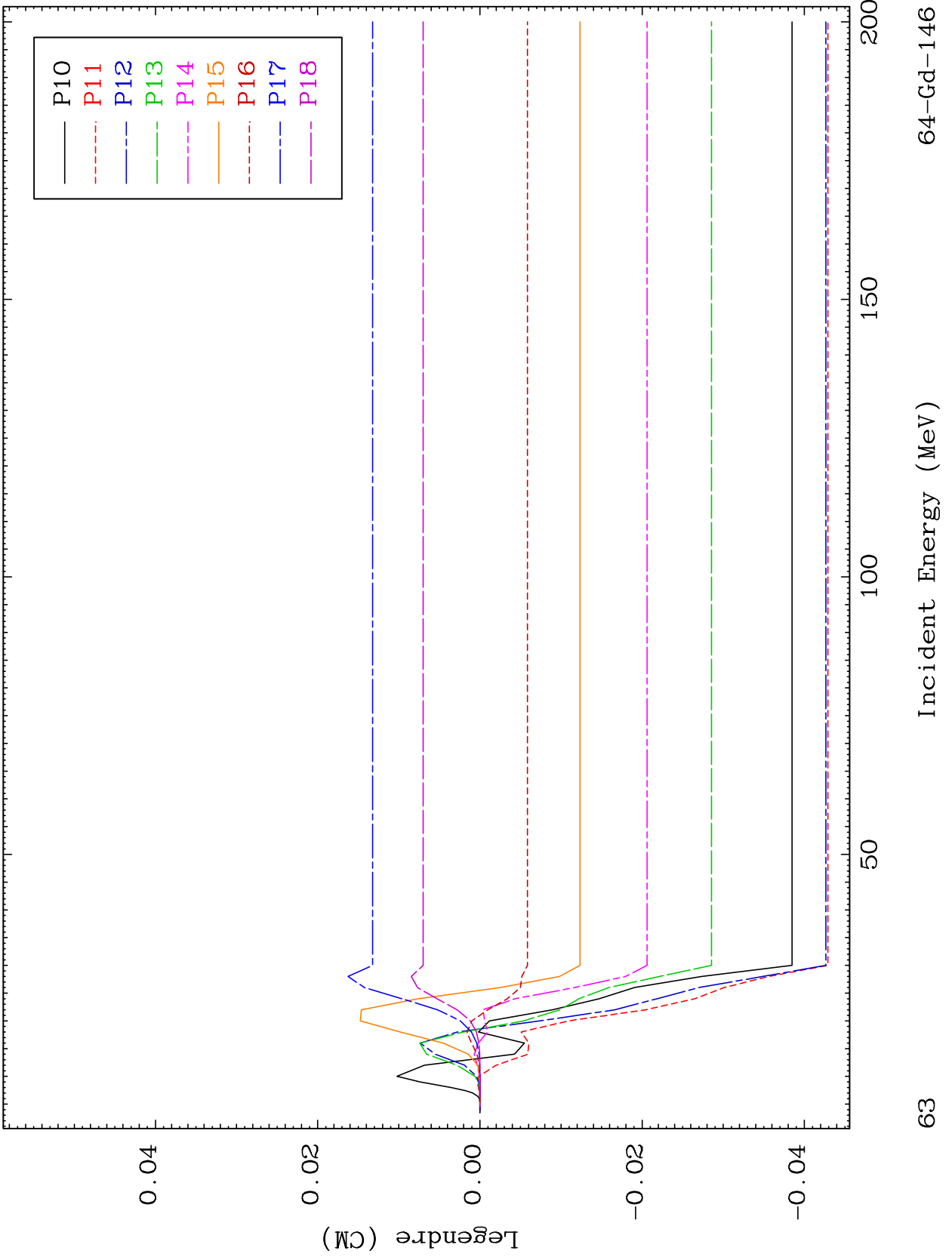
64-Gd-146



MAT 6407

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

64-Gd-146



63

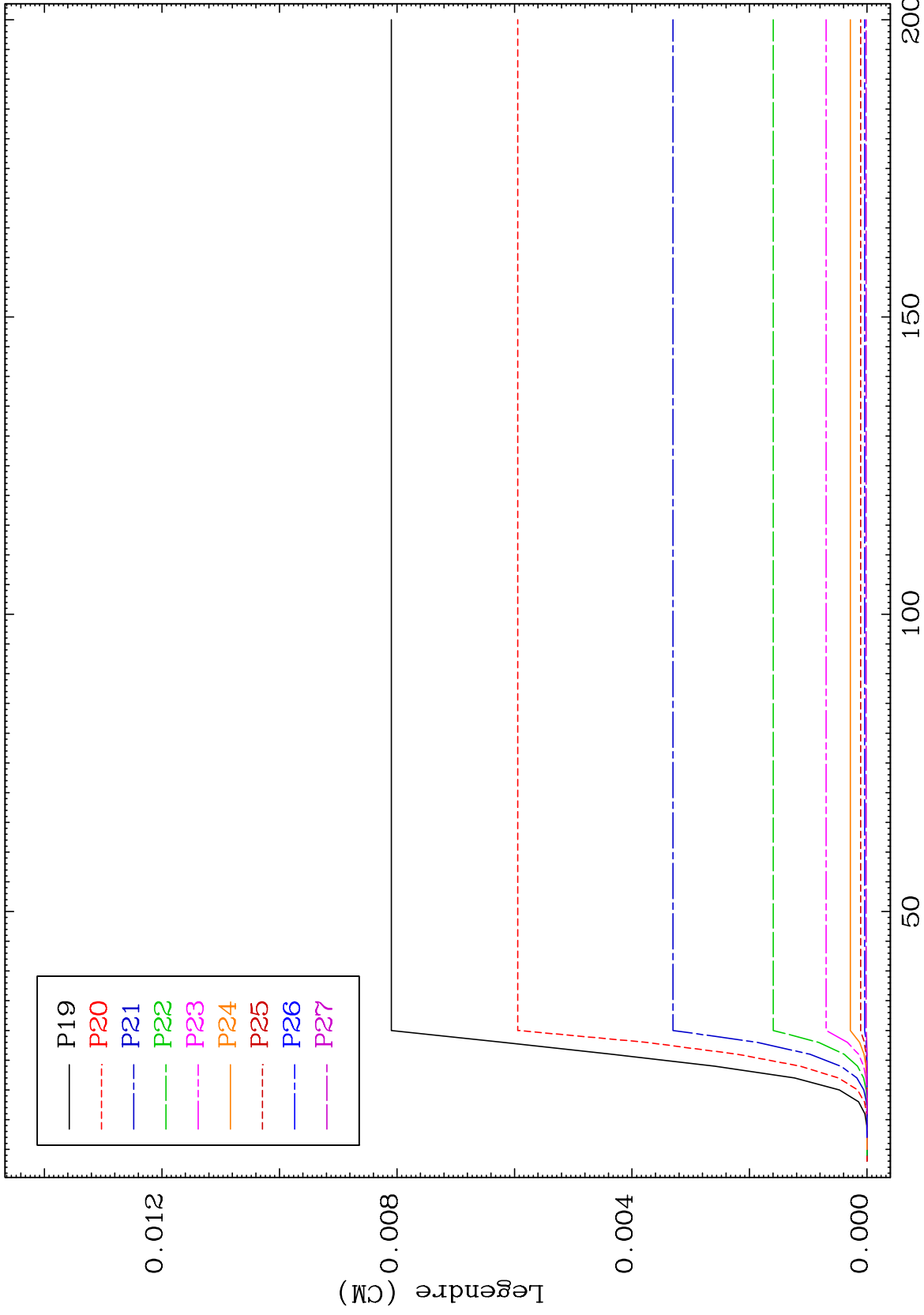
64-Gd-146



MAT 6407

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

64-Gd-146



64

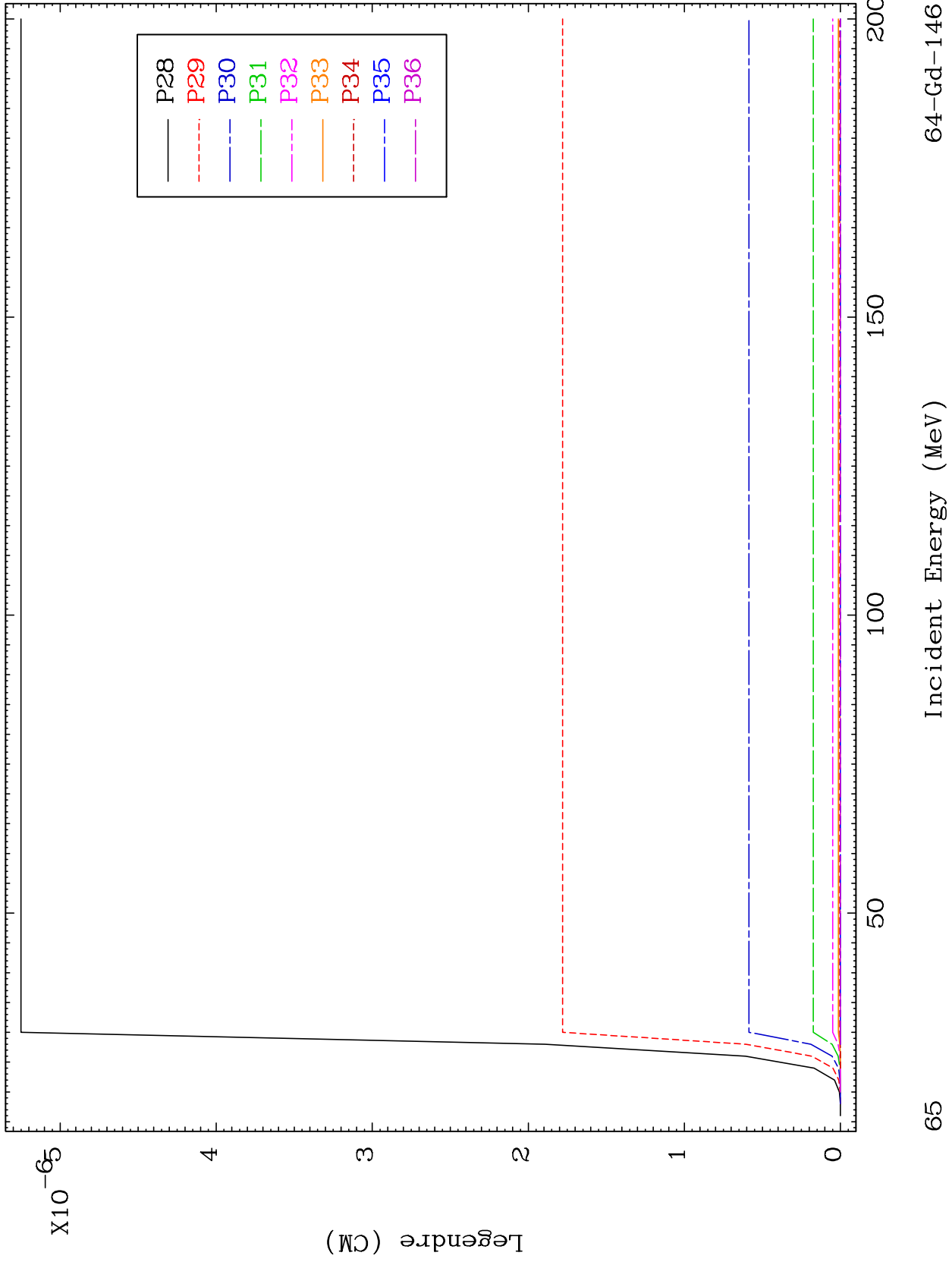
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

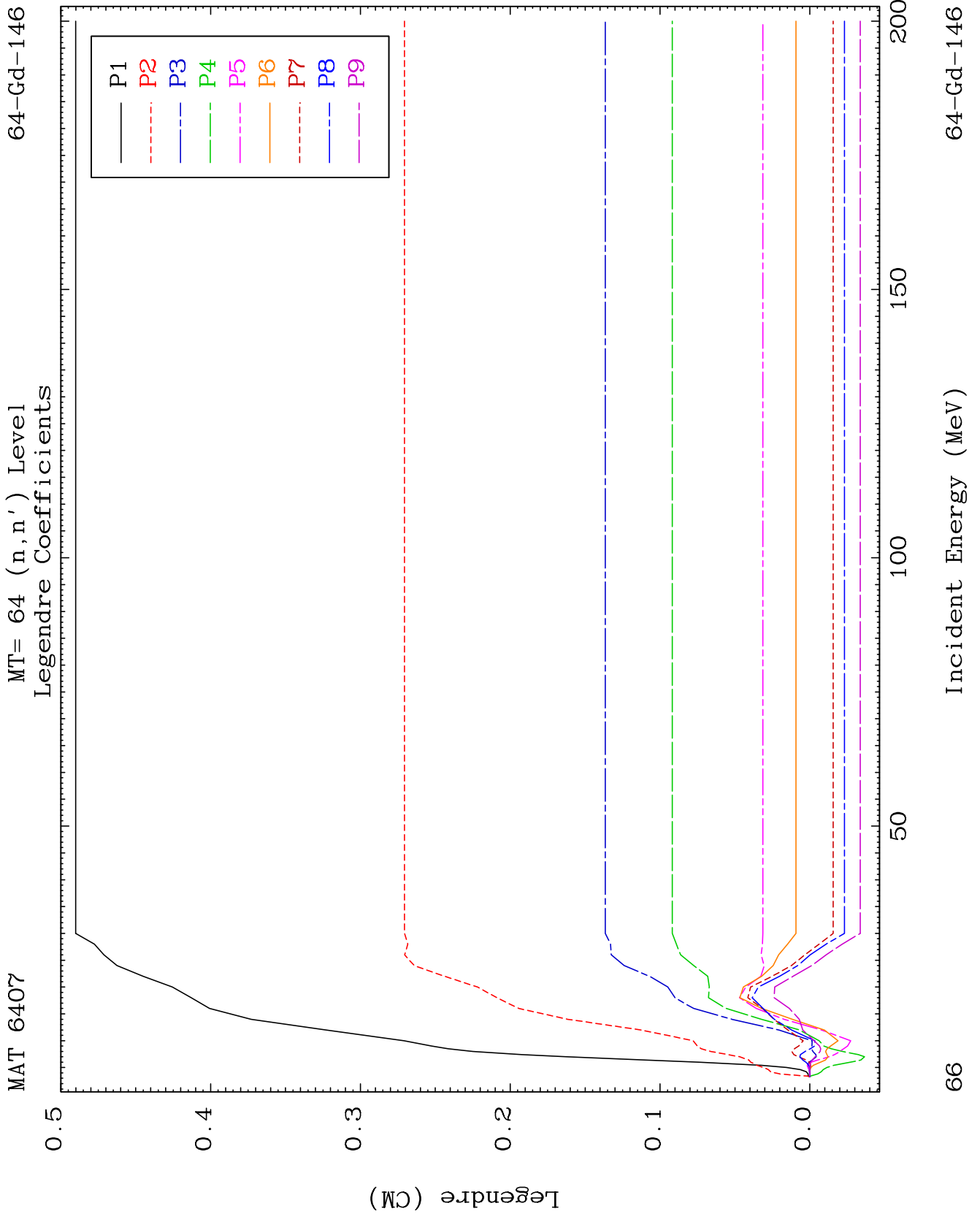
64-Gd-146



65

Incident Energy (MeV)

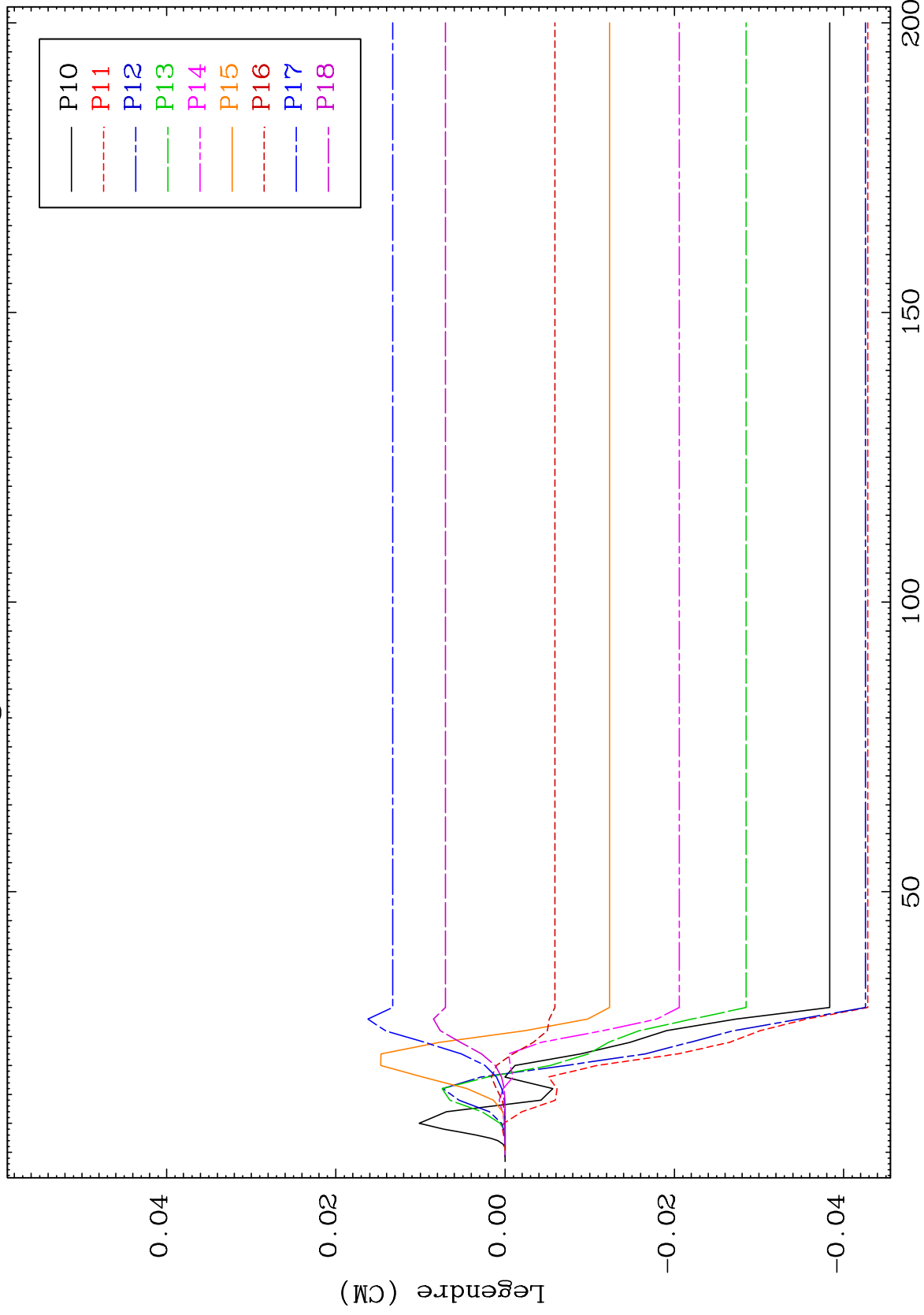
64-Gd-146



MAT 6407

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

64-Gd-146



67

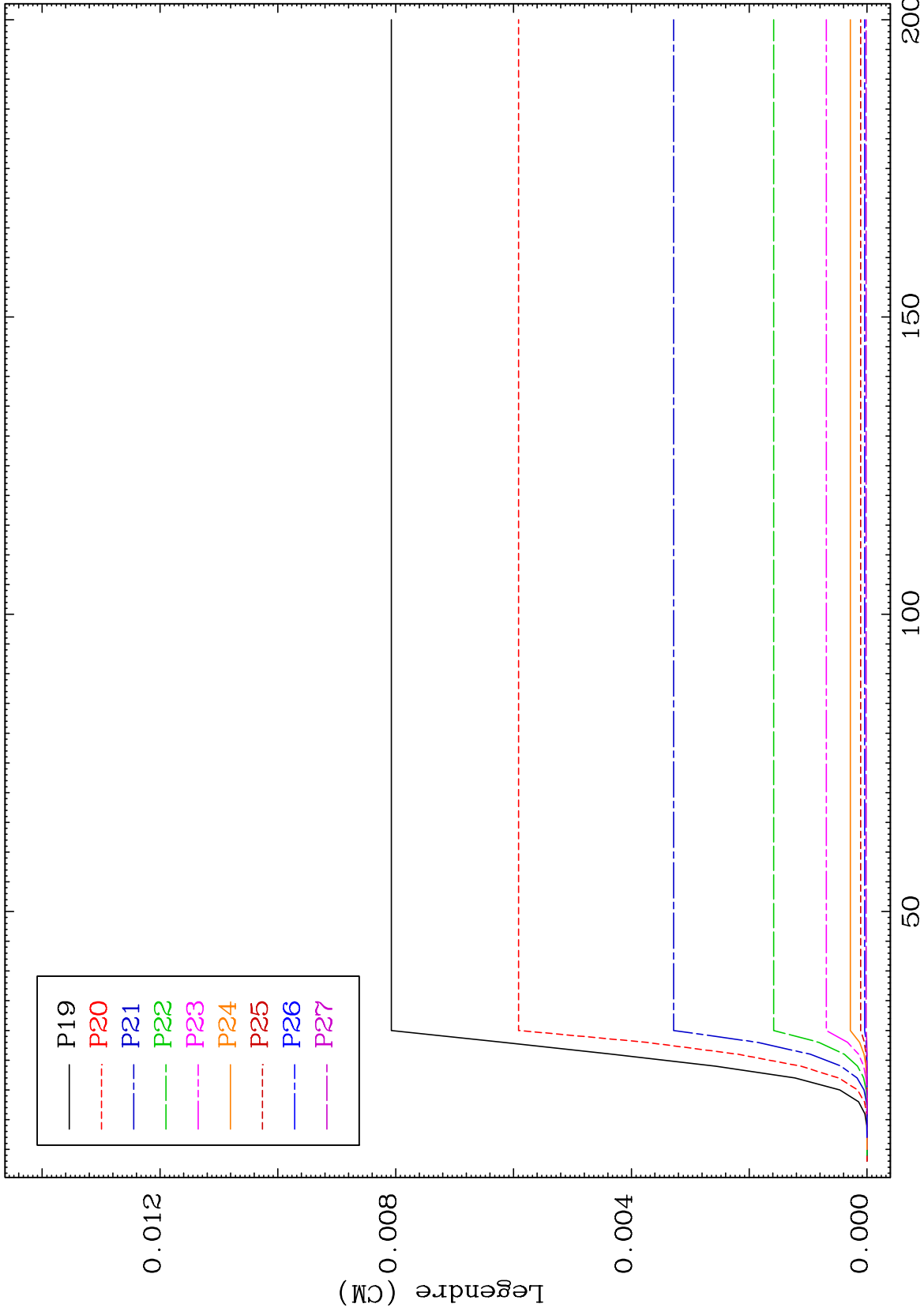
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



68

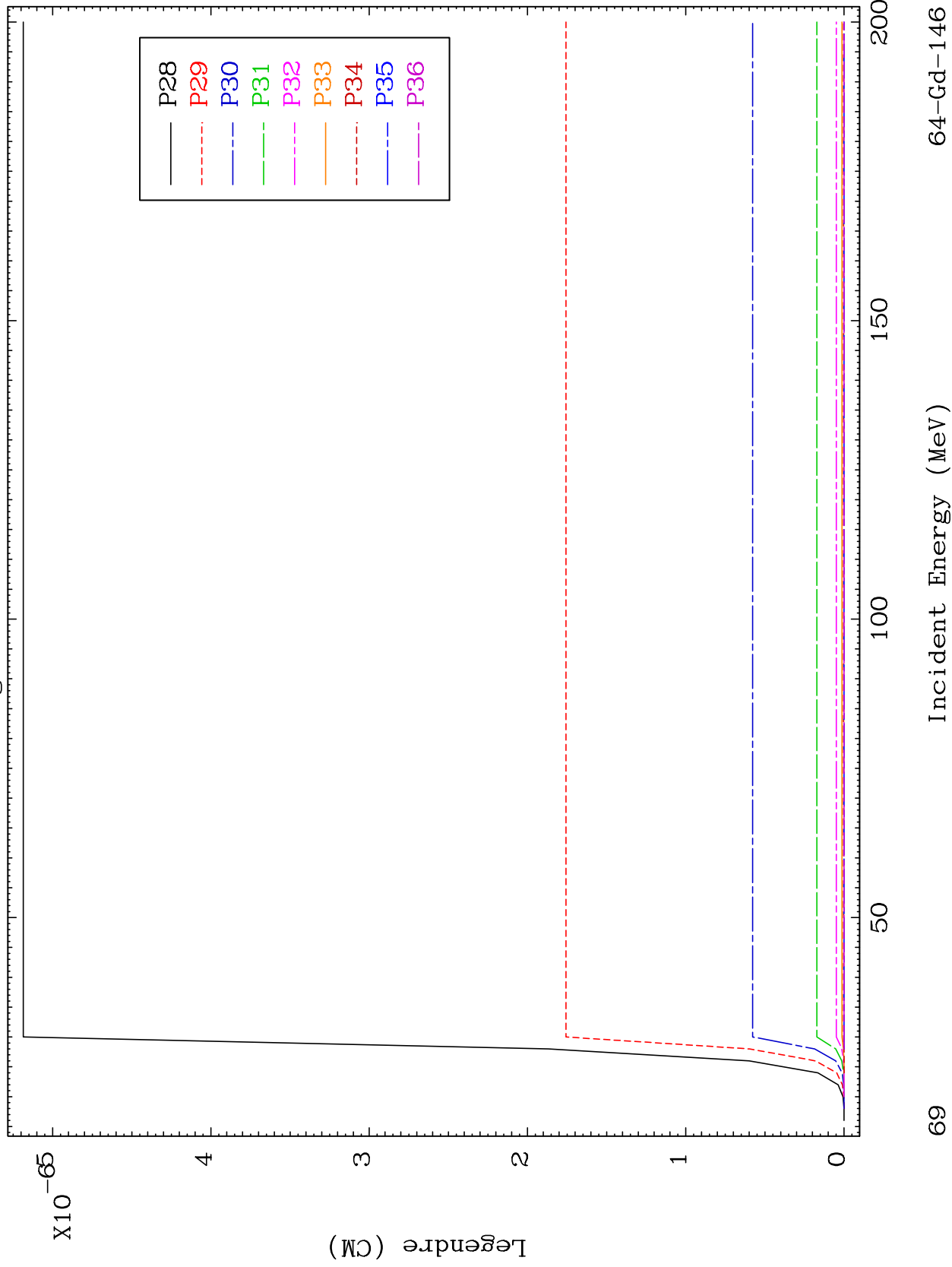
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

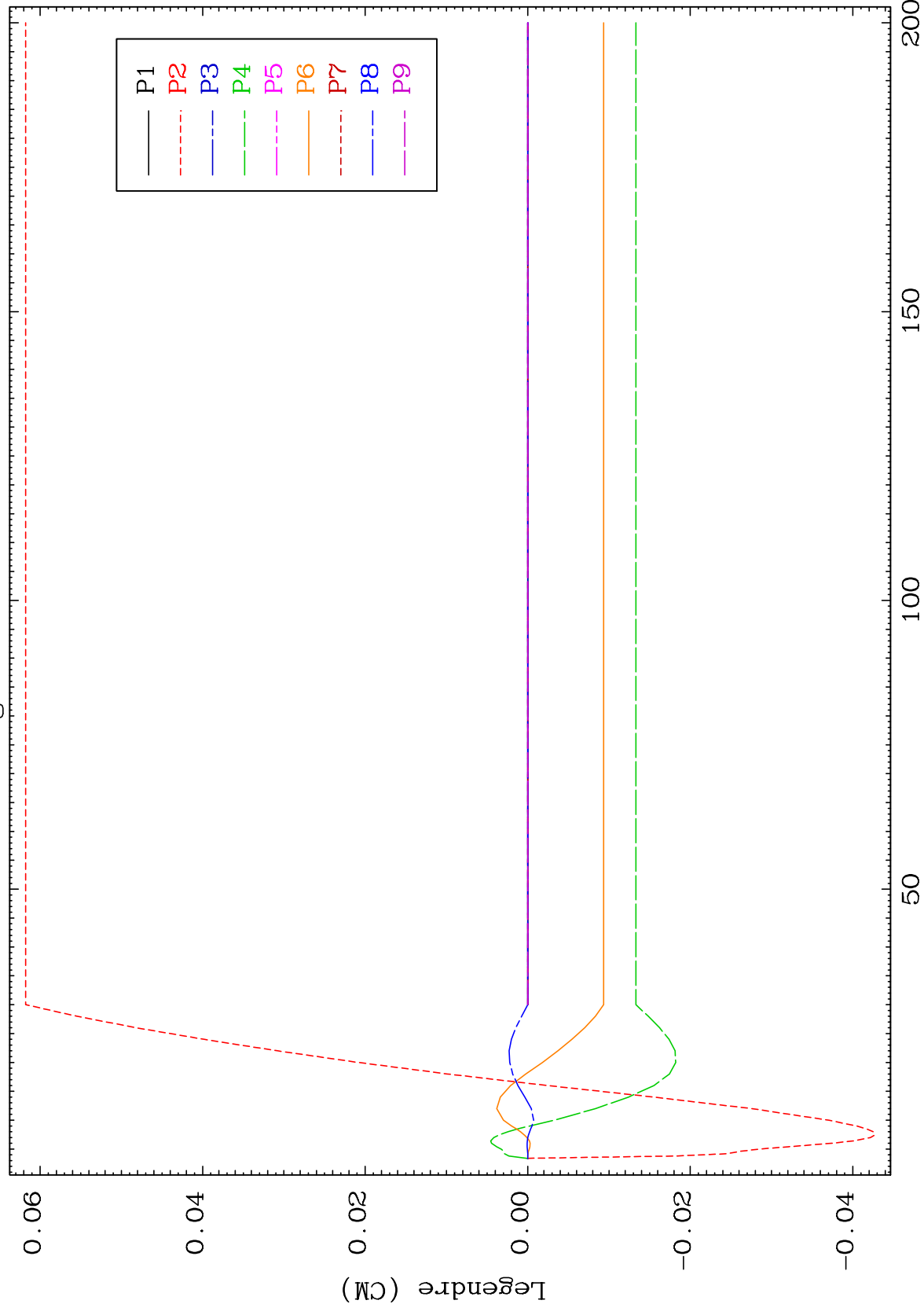
64-Gd-146



MAT 6407

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

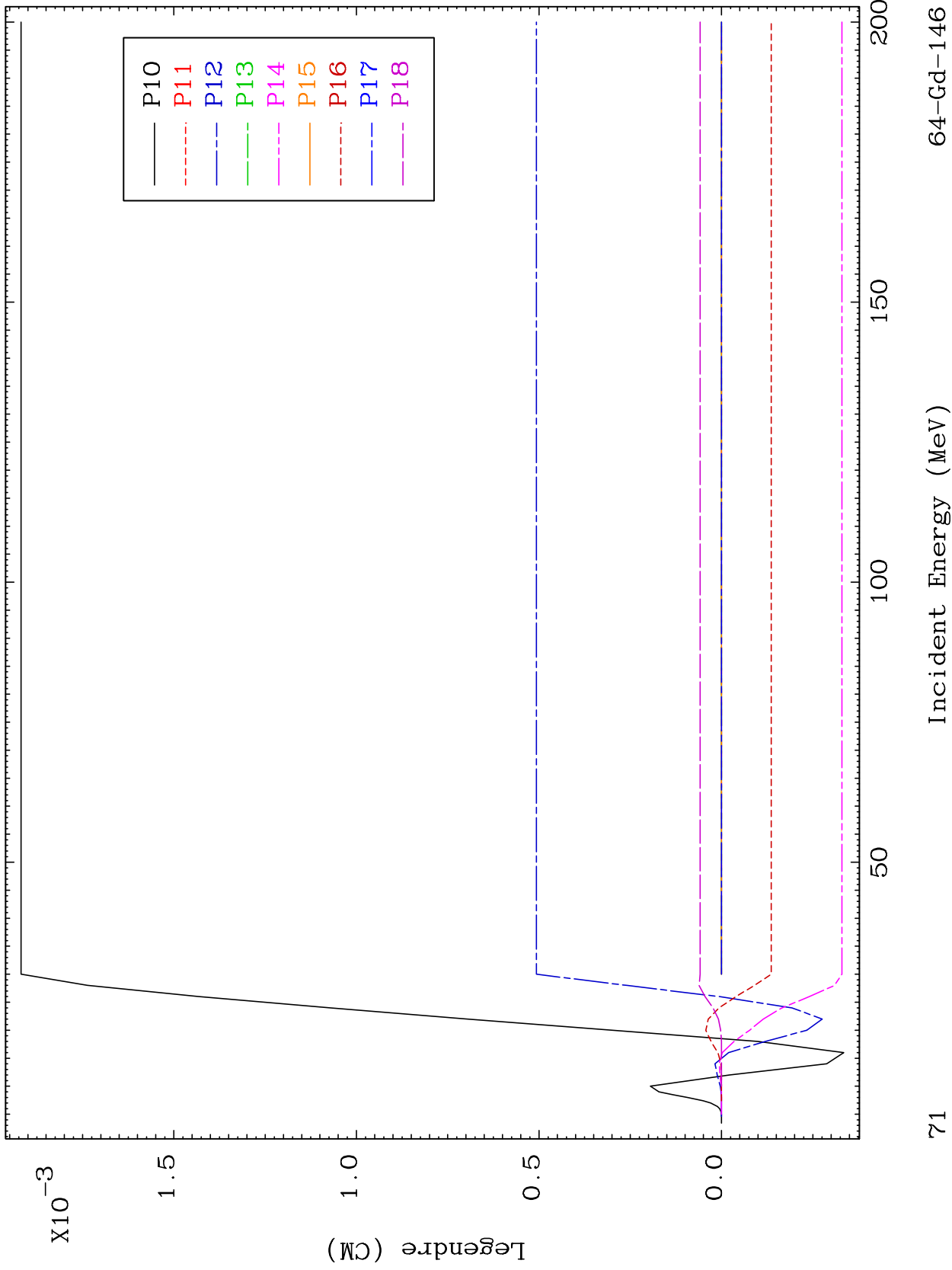
64-Gd-146



70

Incident Energy (MeV)

64-Gd-146

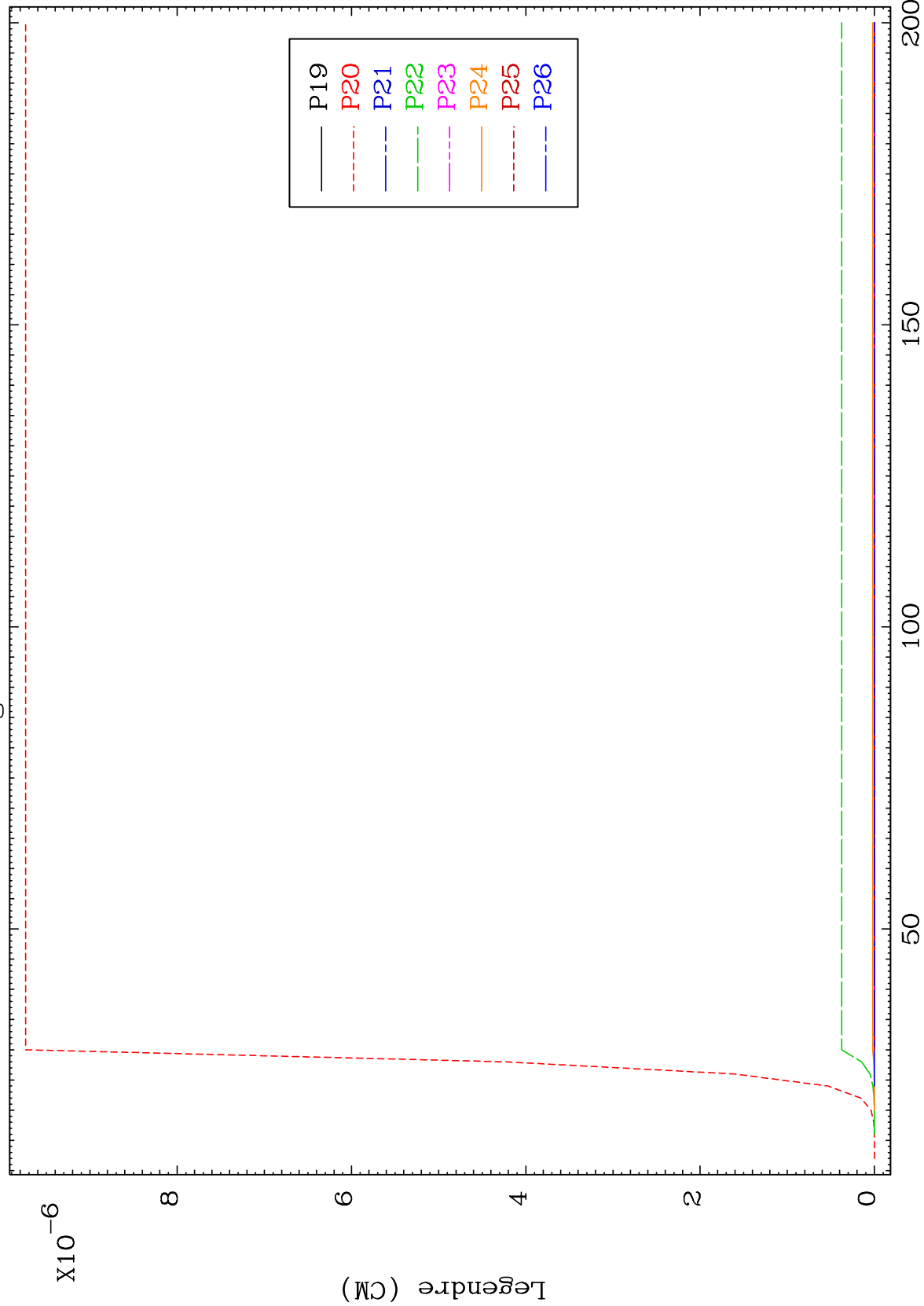




MAT 6407

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

64-Gd-146



72

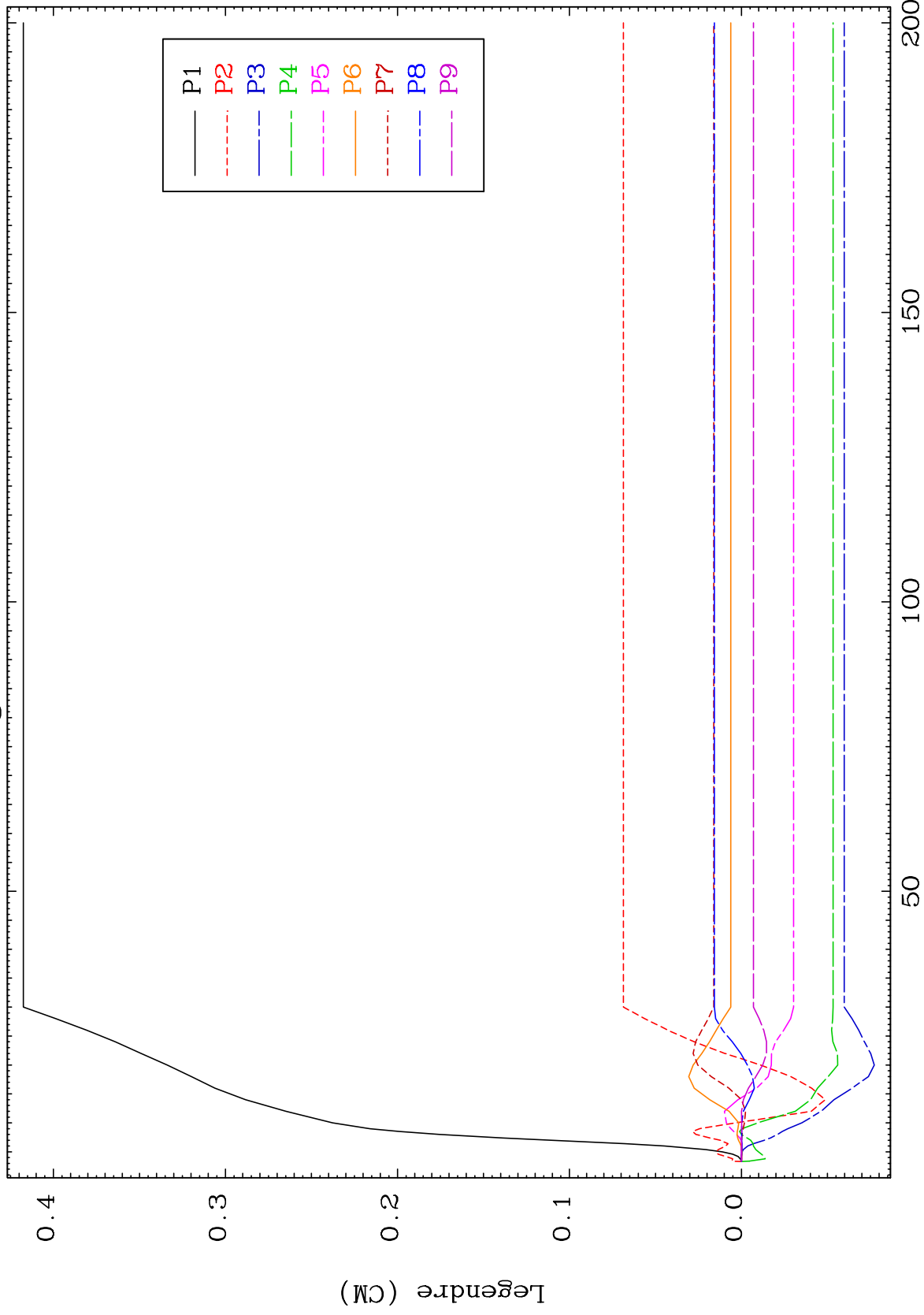
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



73

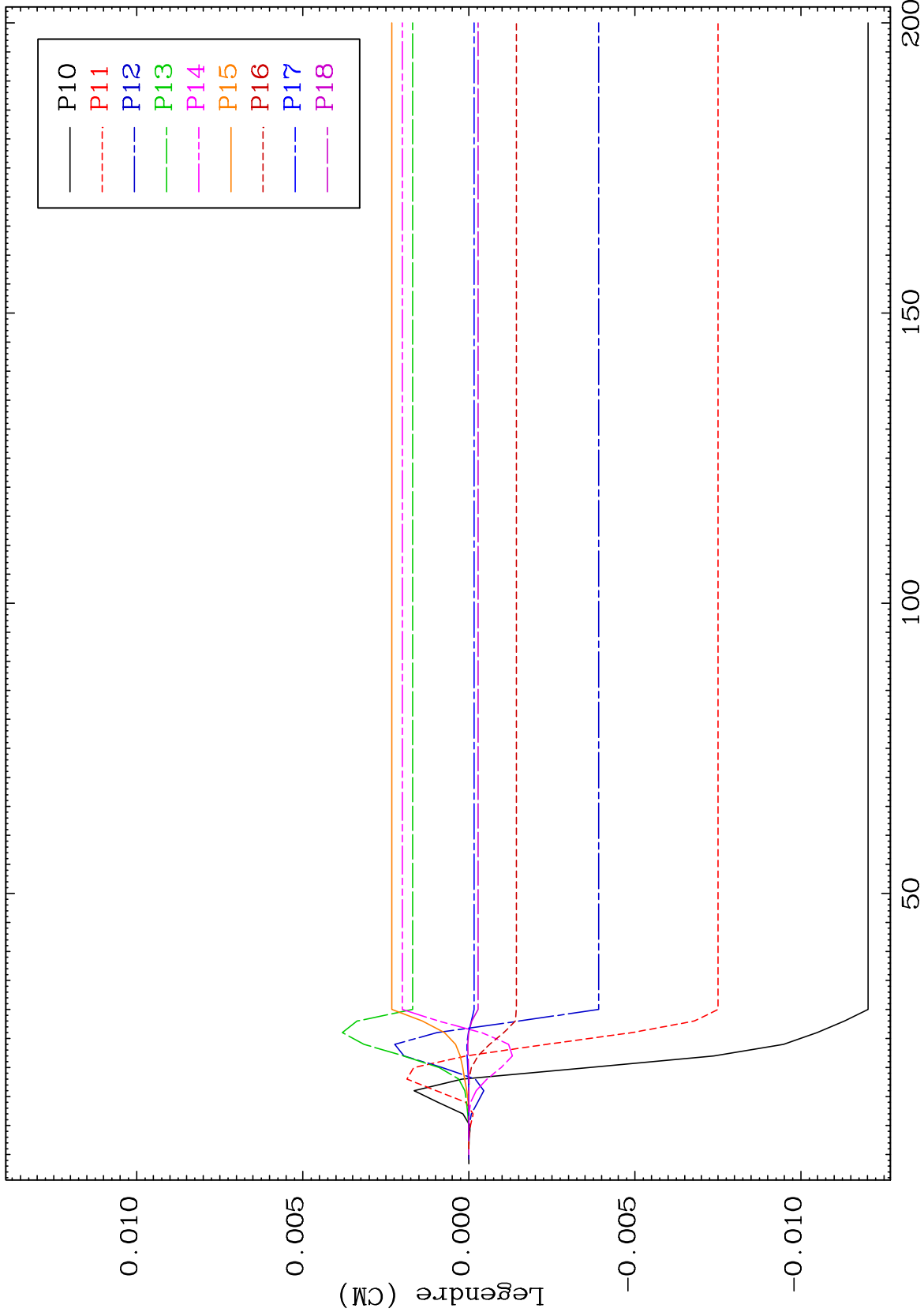
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



74

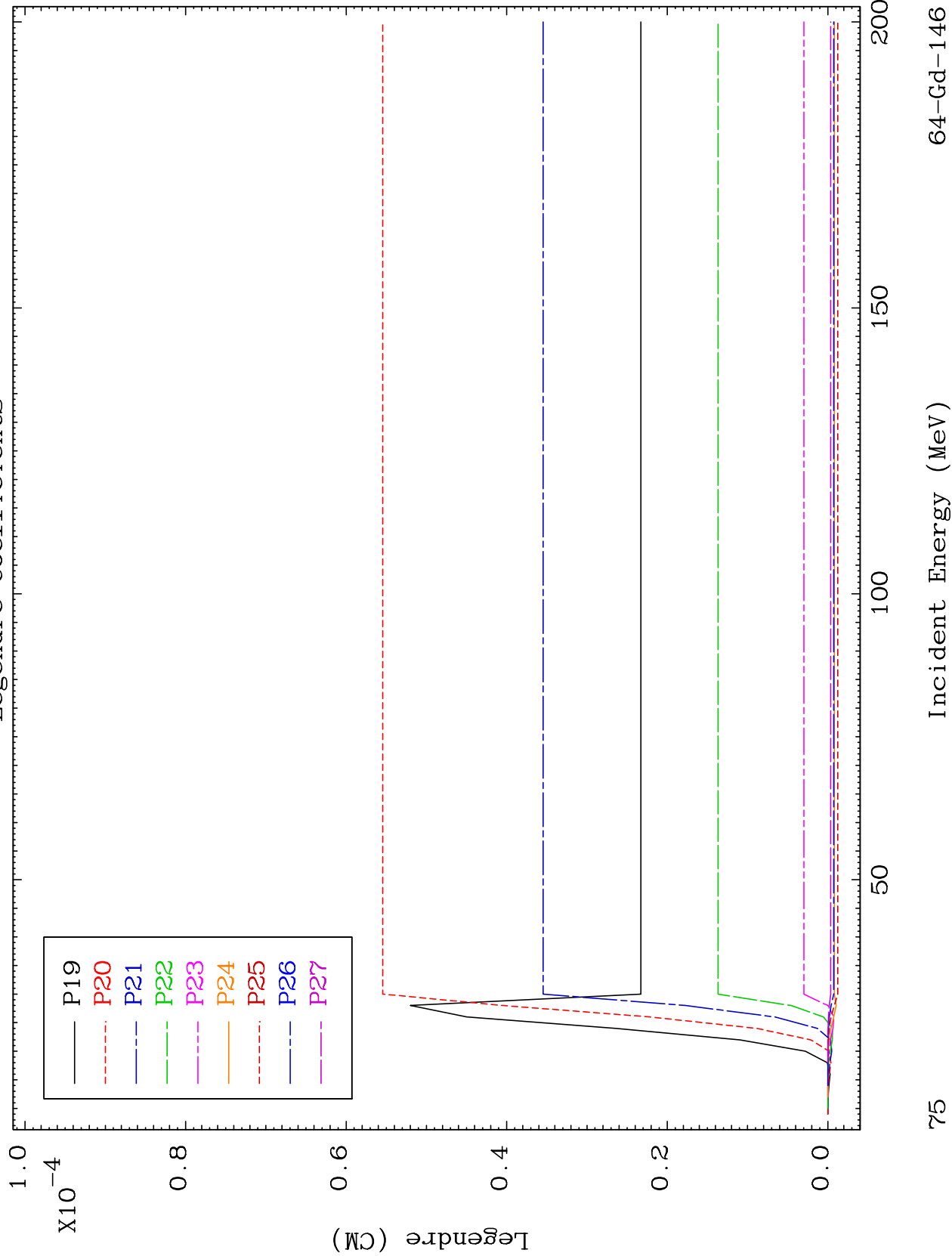
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

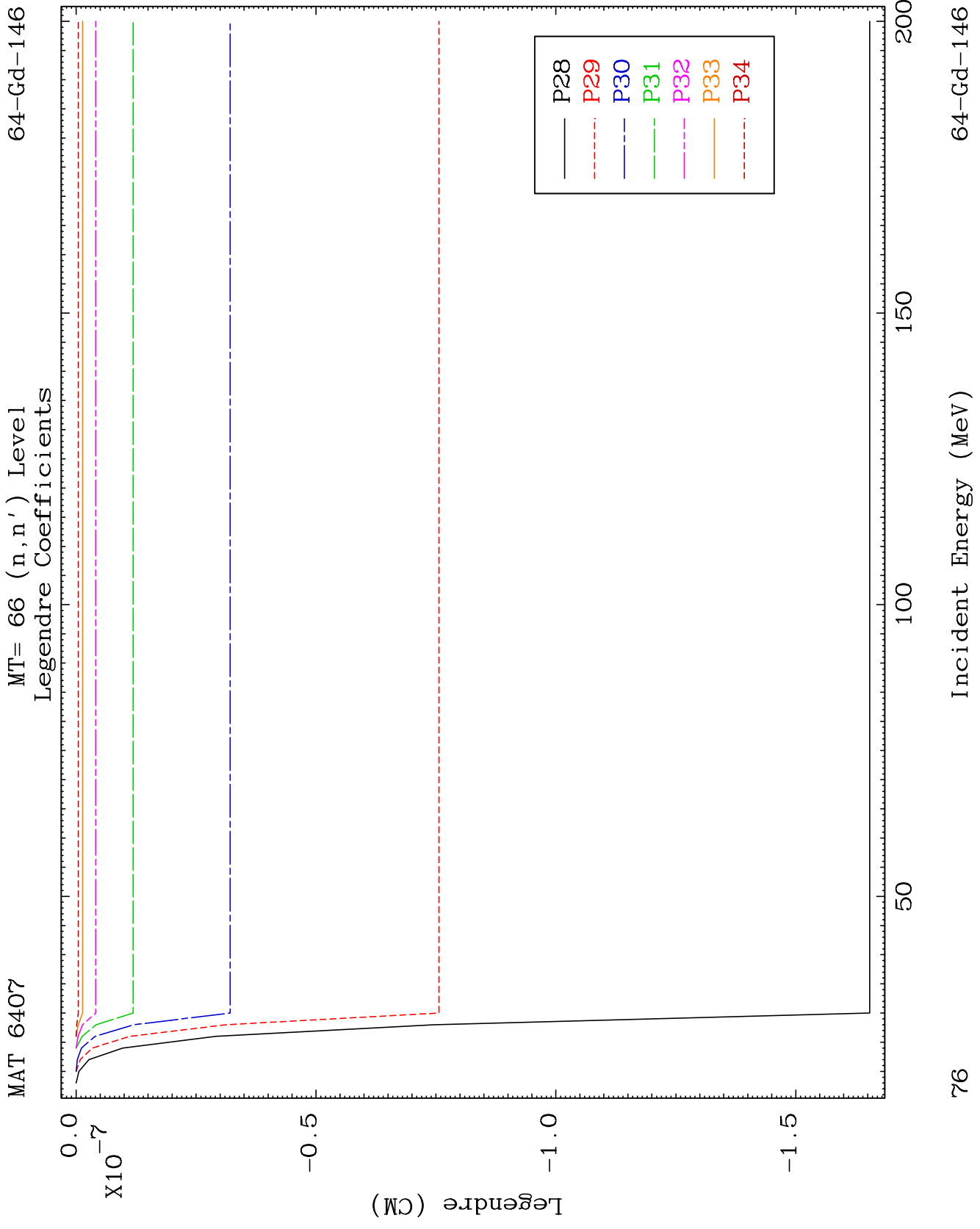
64-Gd-146



75

Incident Energy (MeV)

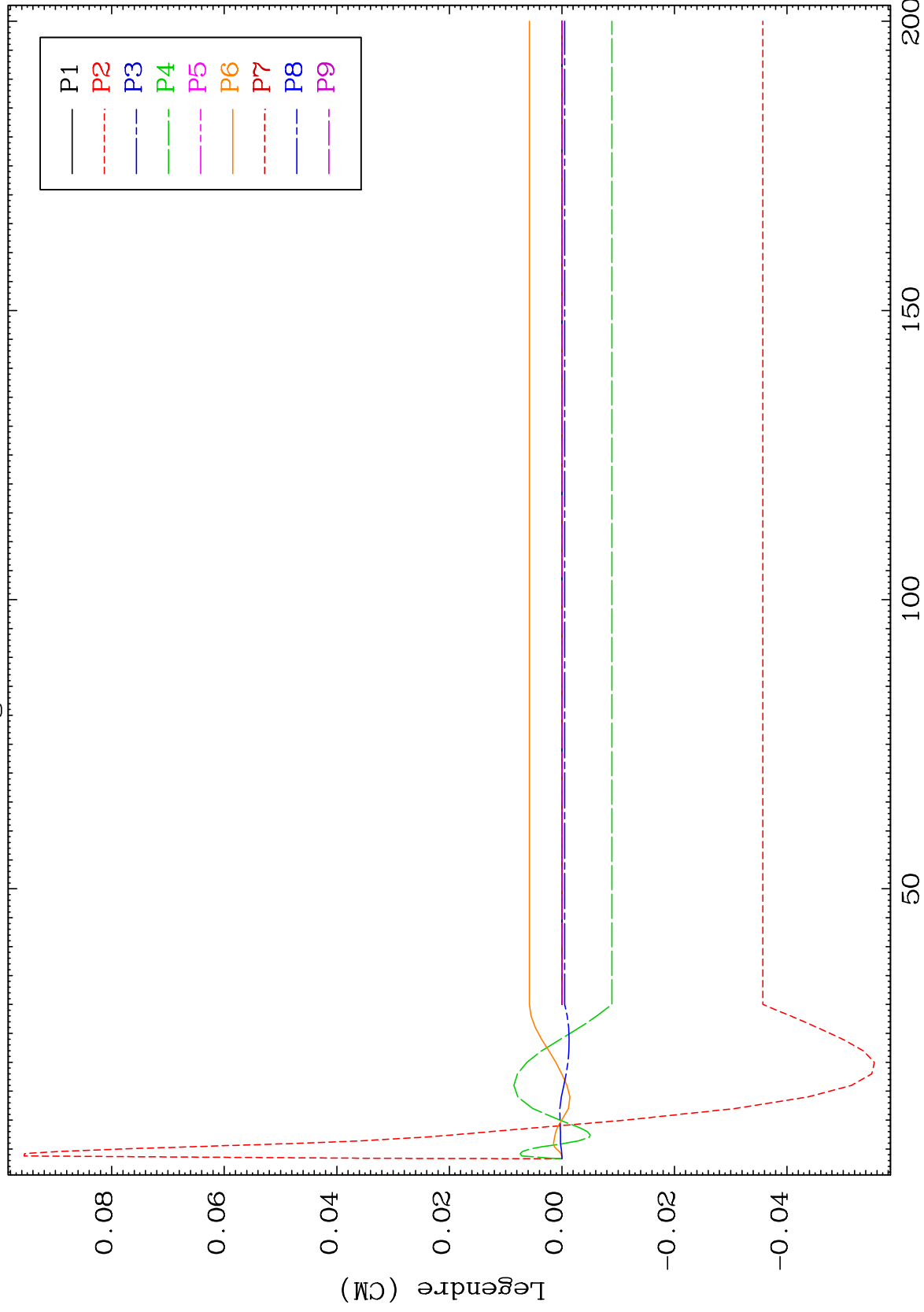
64-Gd-146



MAT 6407

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

64-Gd-146



77

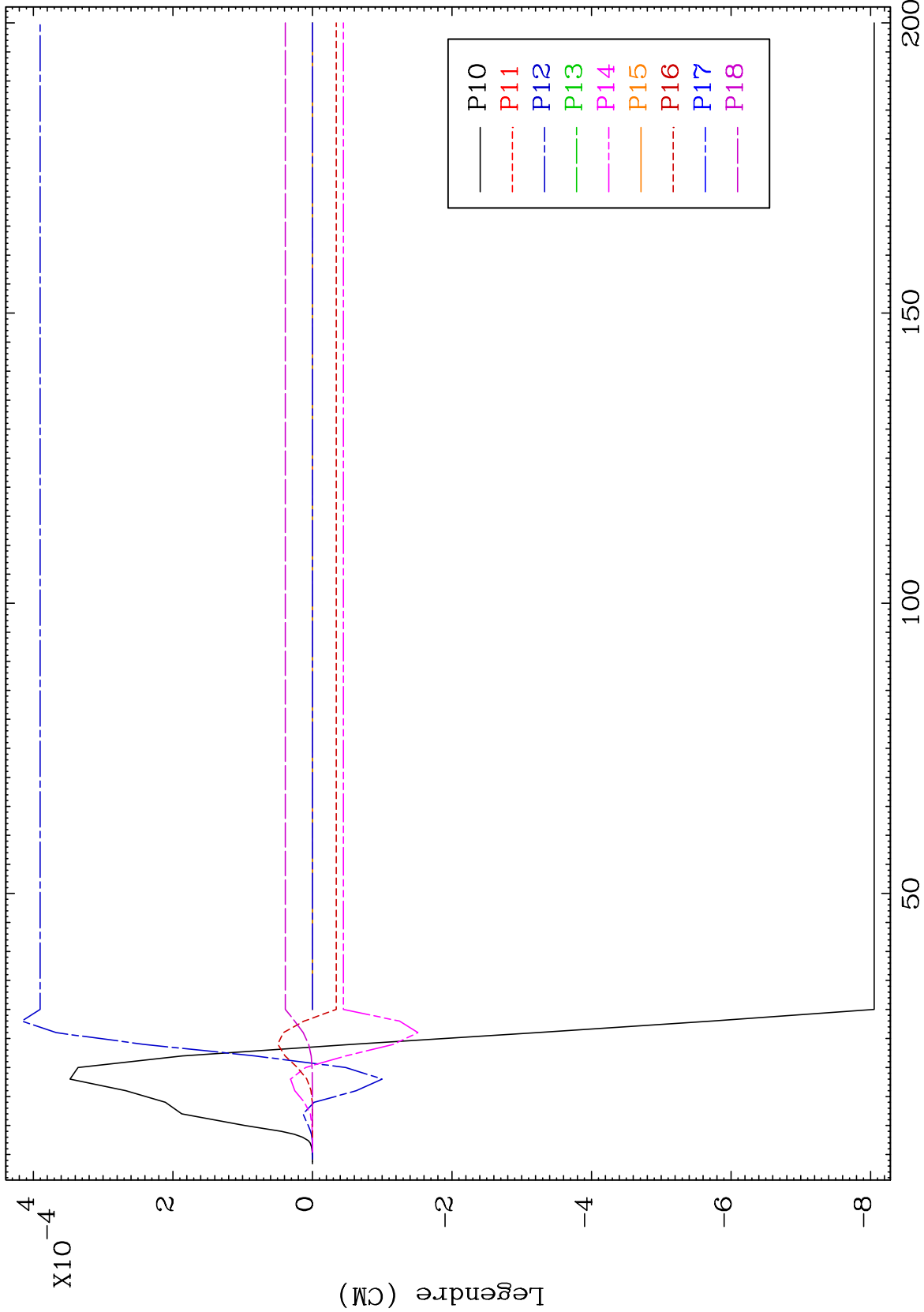
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



78

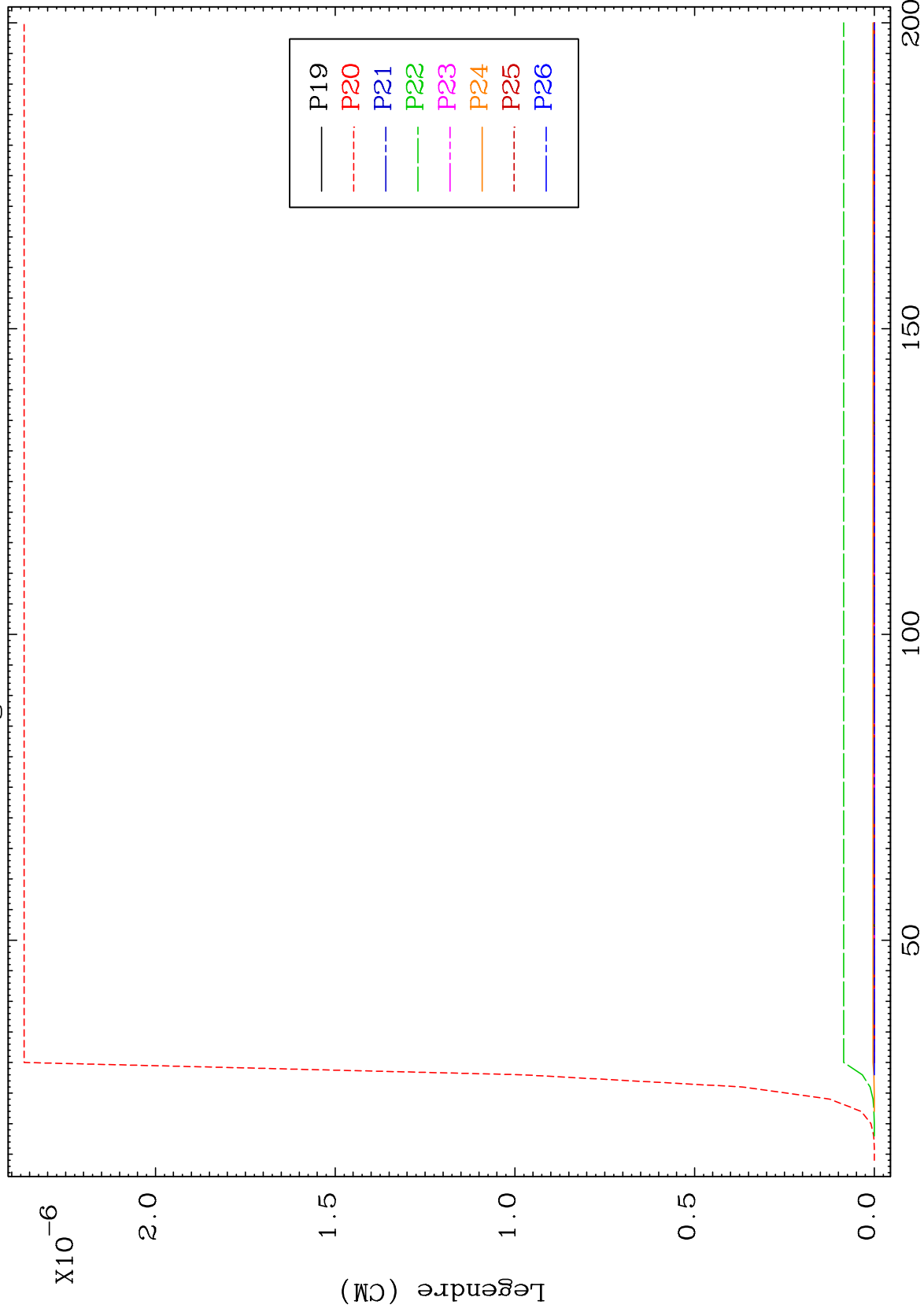
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



79

Incident Energy (MeV)

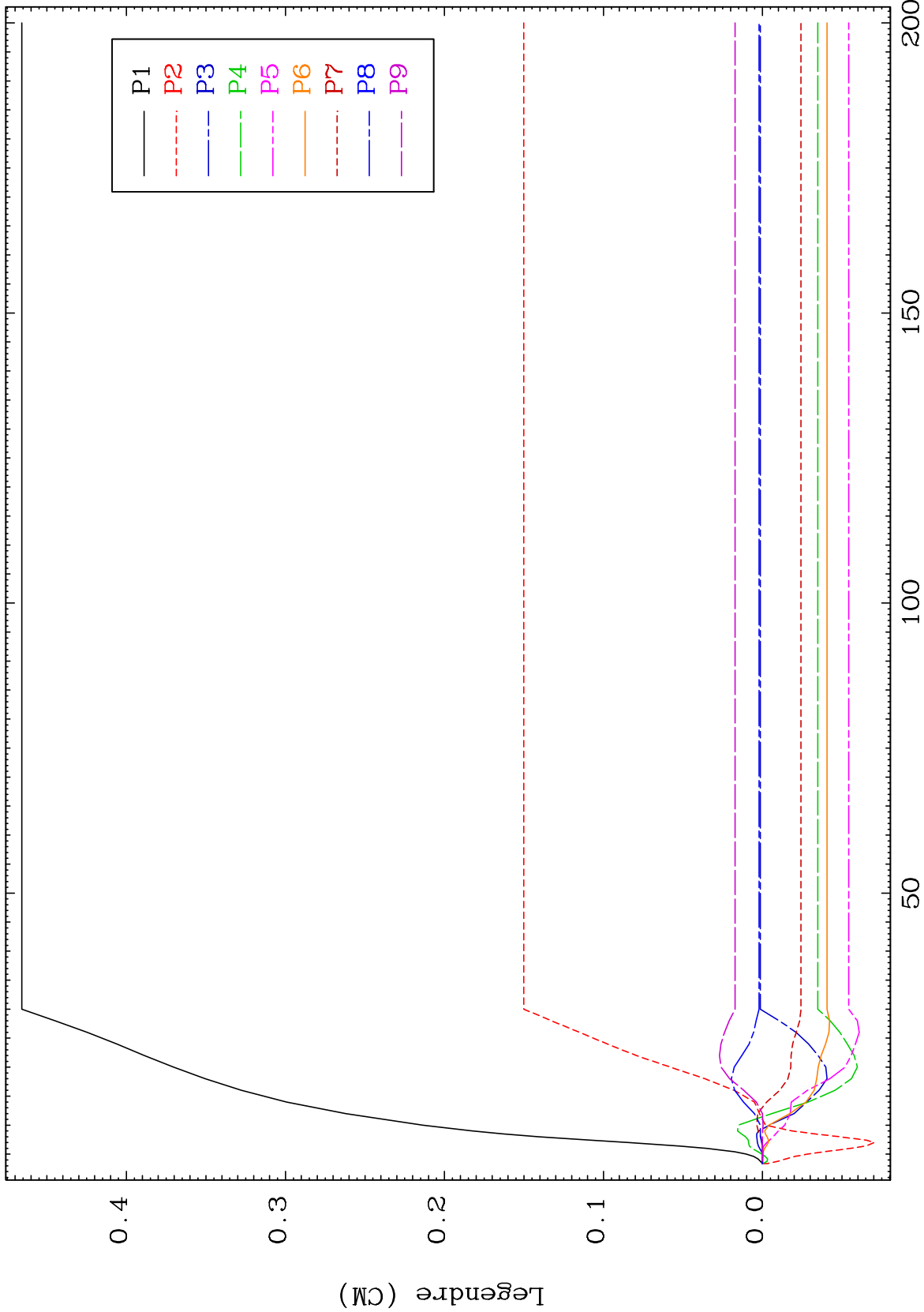
64-Gd-146



MAT 6407

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

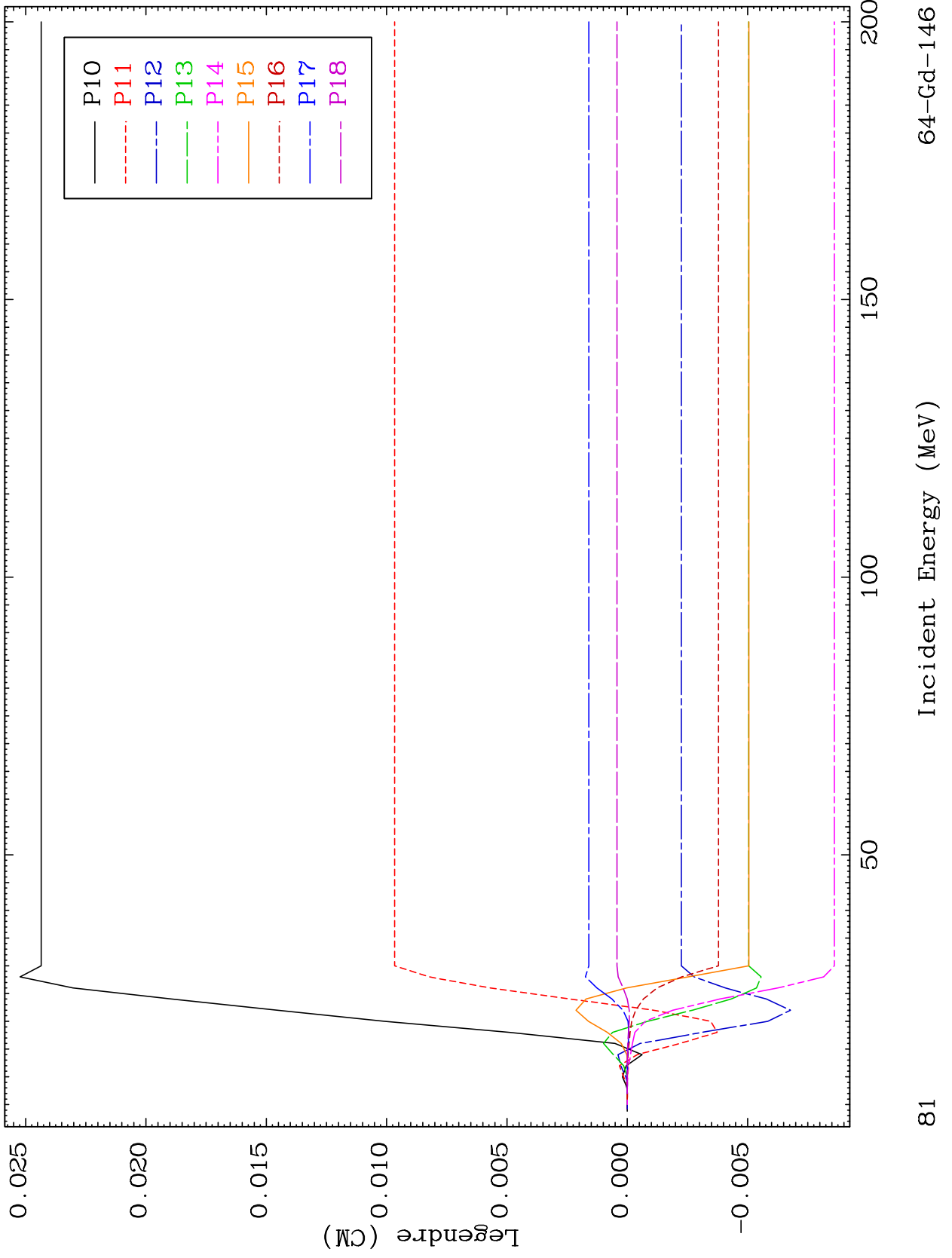
64-Gd-146

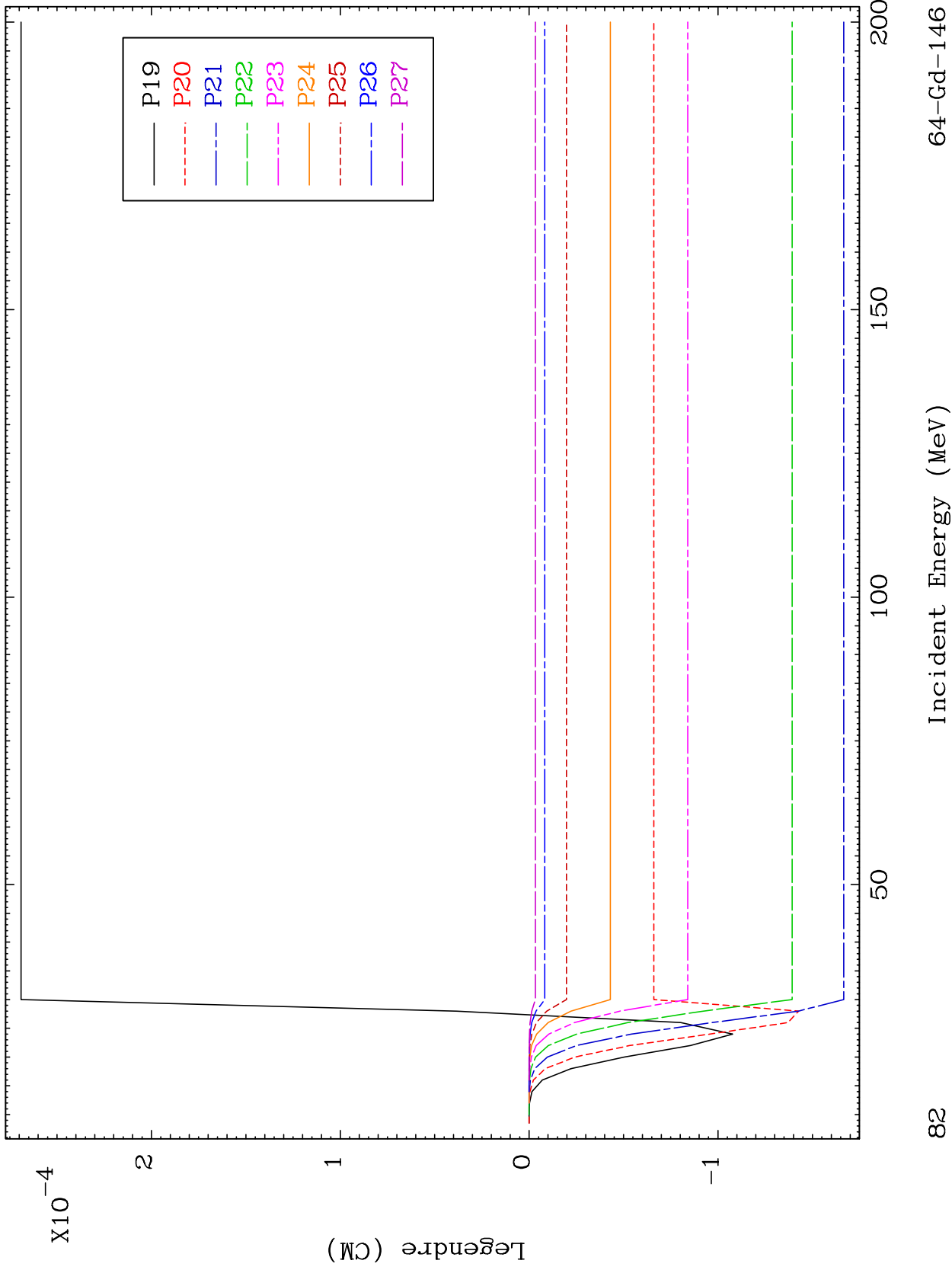


80

Incident Energy (MeV)

64-Gd-146

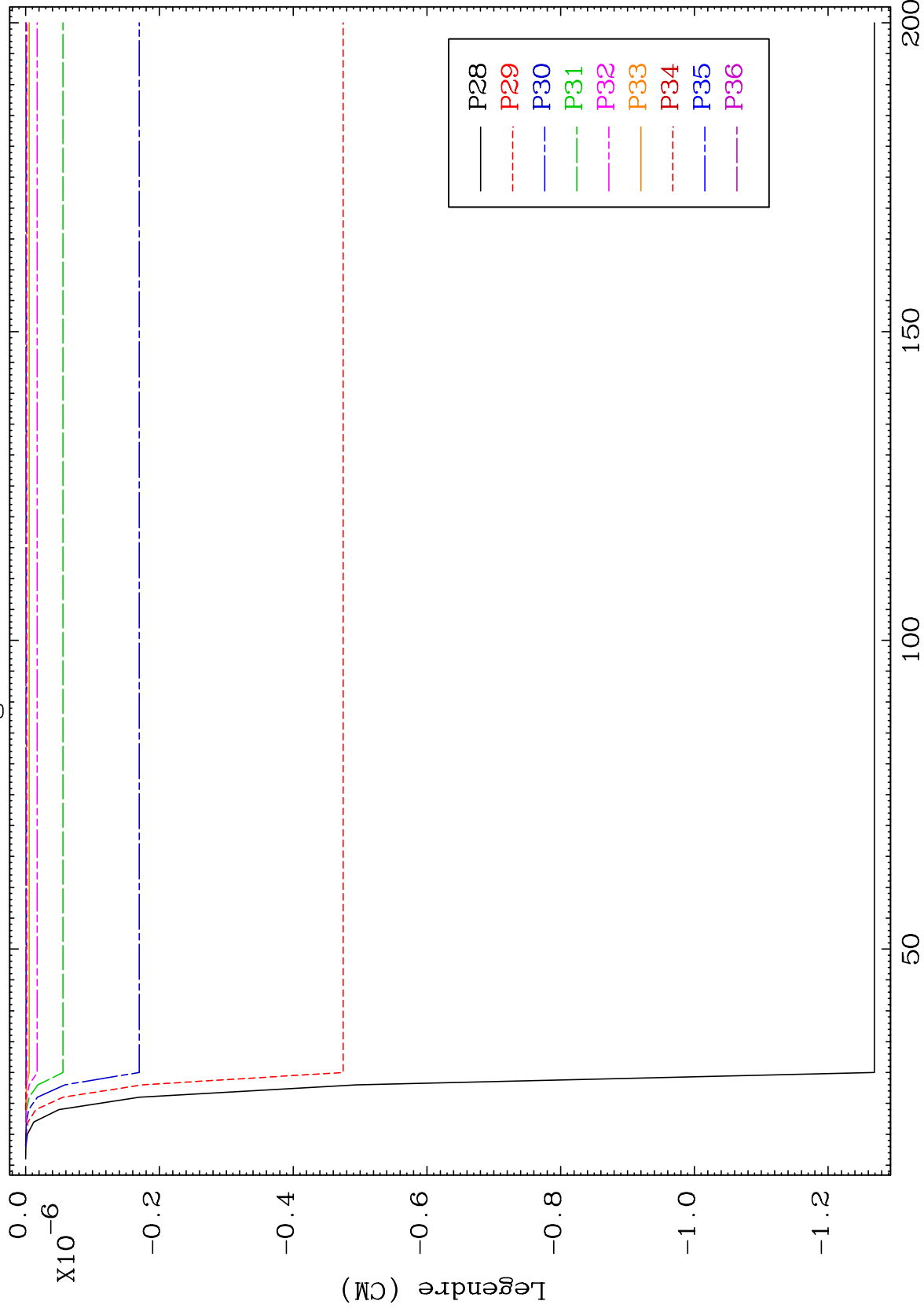




MAT 6407

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

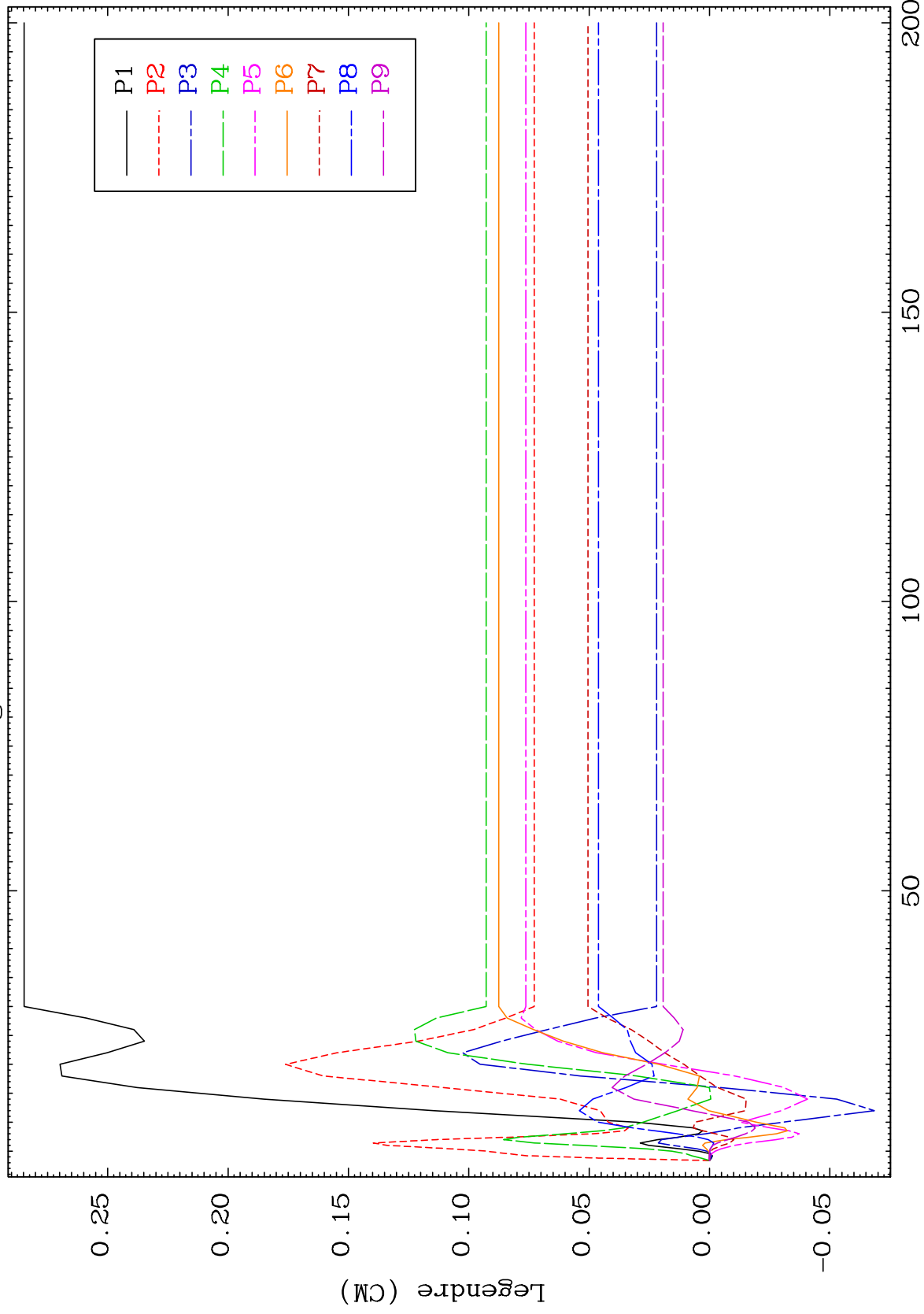
64-Gd-146



MAT 6407

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

64-Gd-146



84

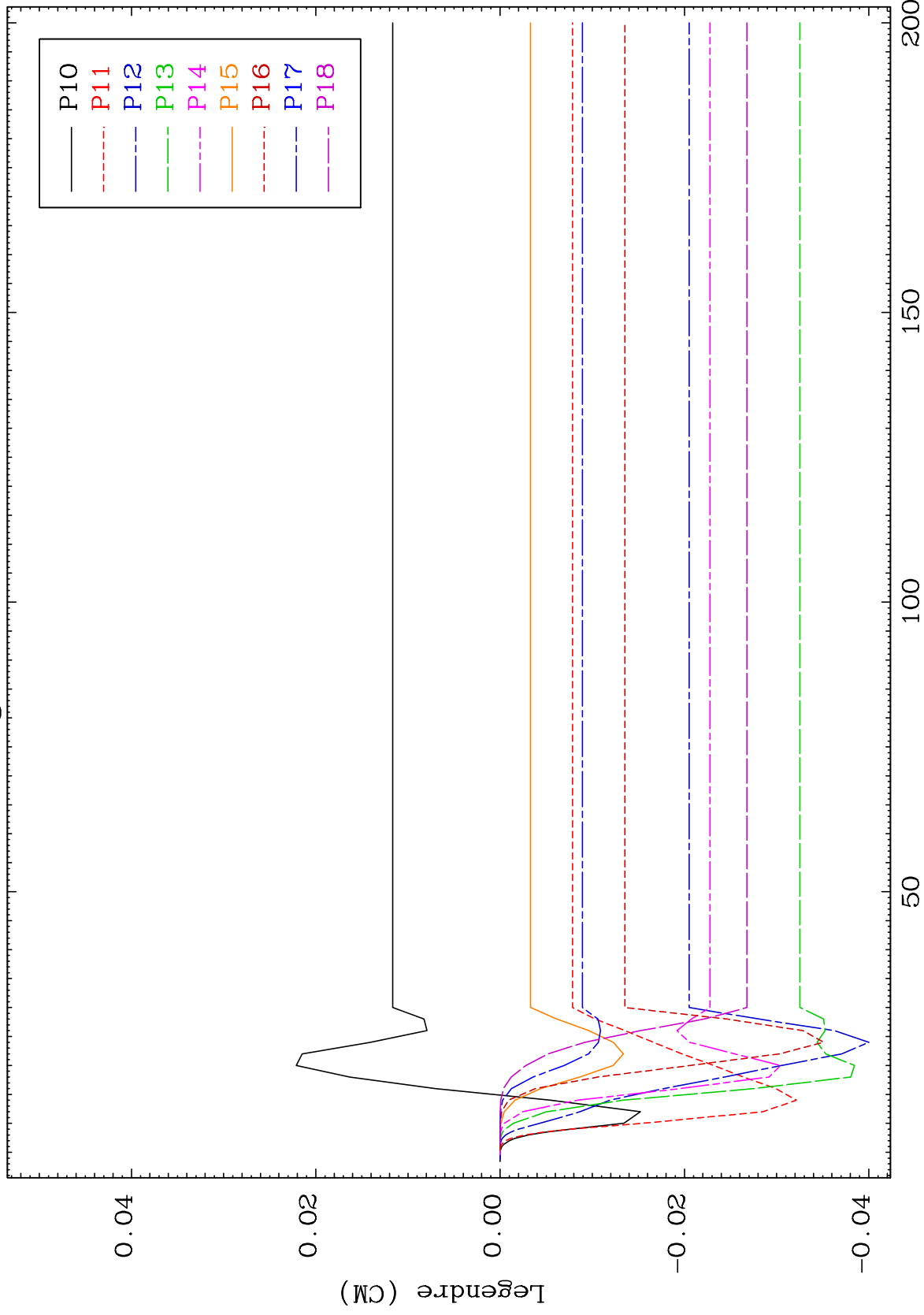
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

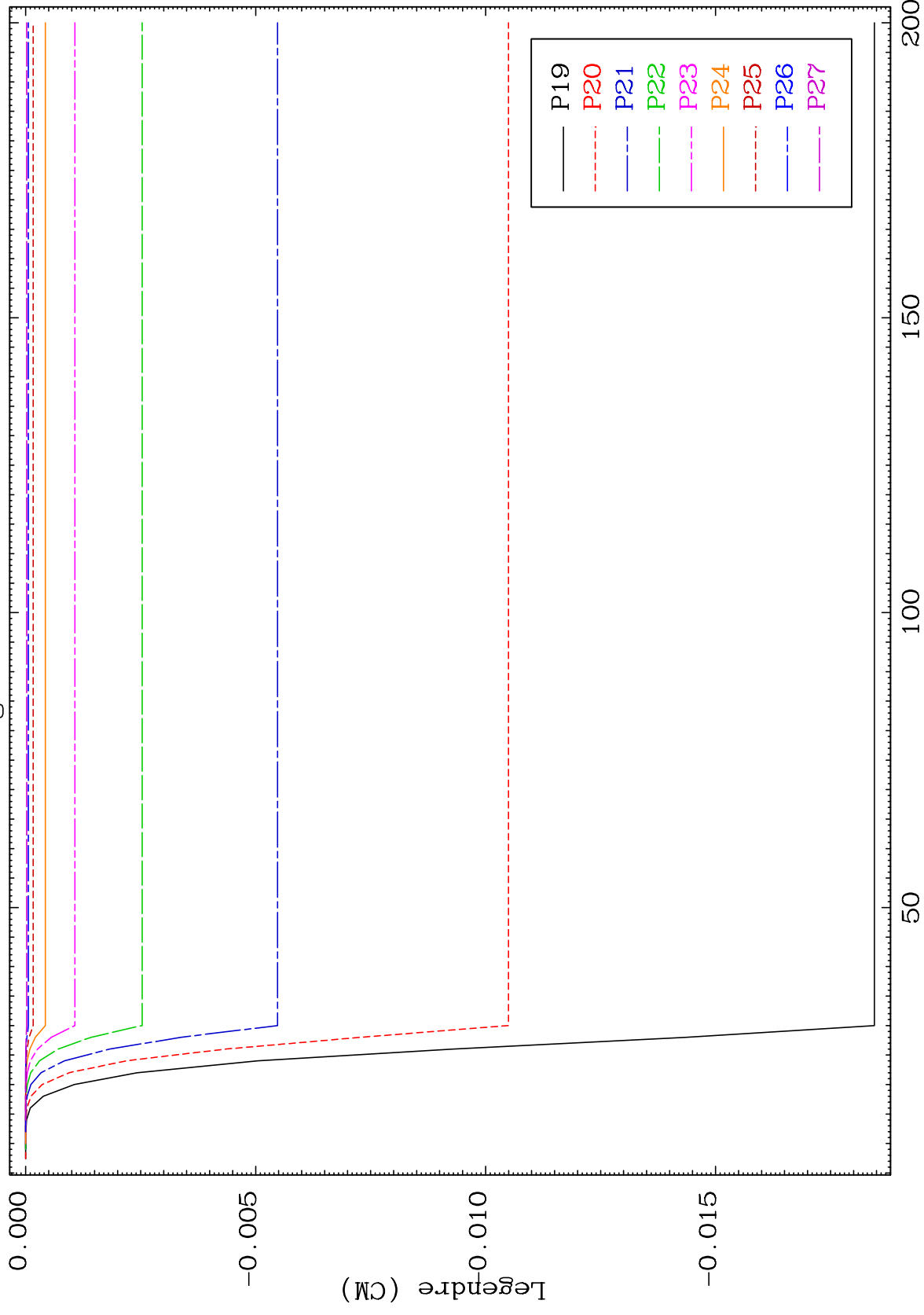
64-Gd-146



85

Incident Energy (MeV)

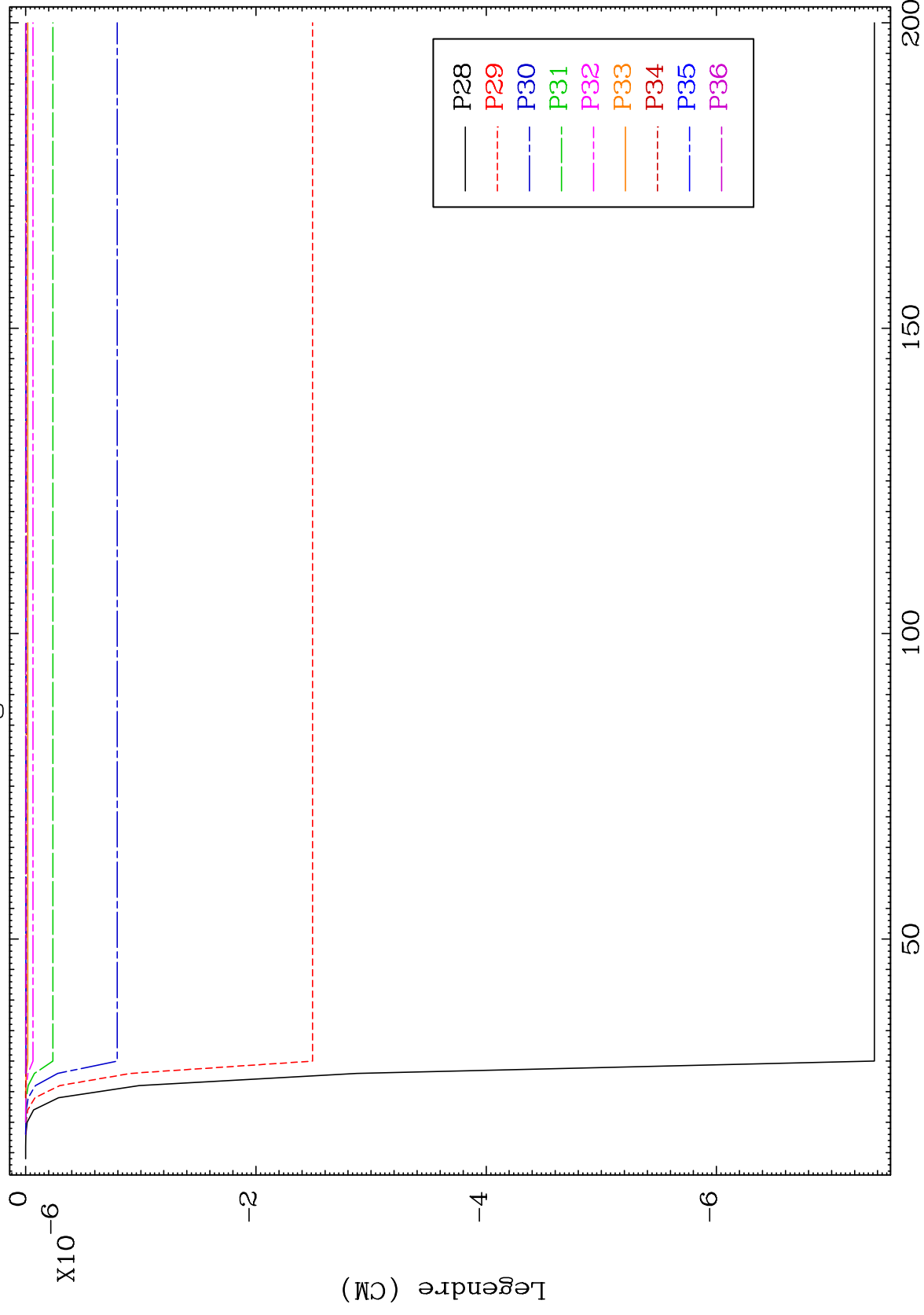
64-Gd-146



MAT 6407

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

64-Gd-146



87

Incident Energy (MeV)

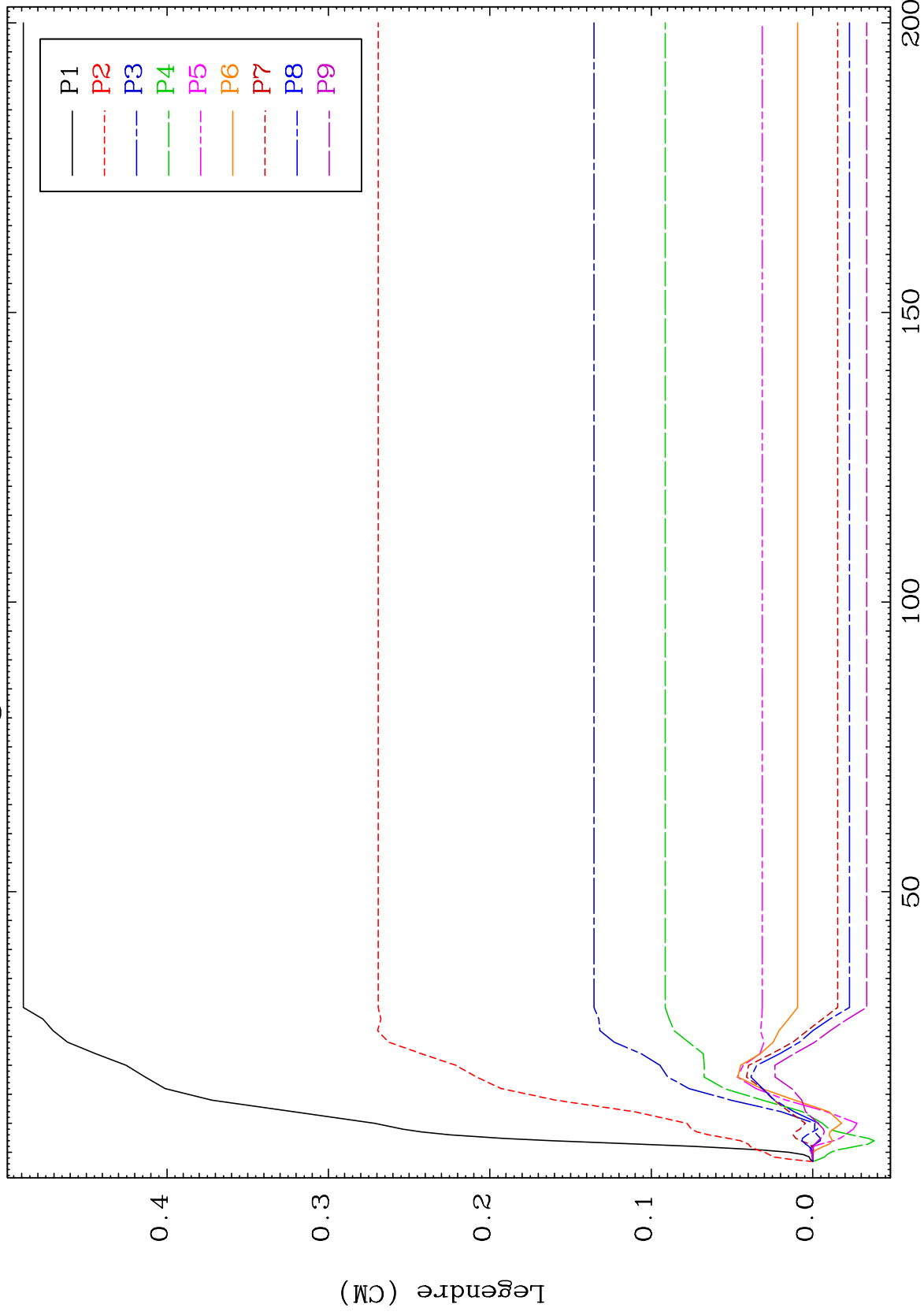
64-Gd-146



MAT 6407

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

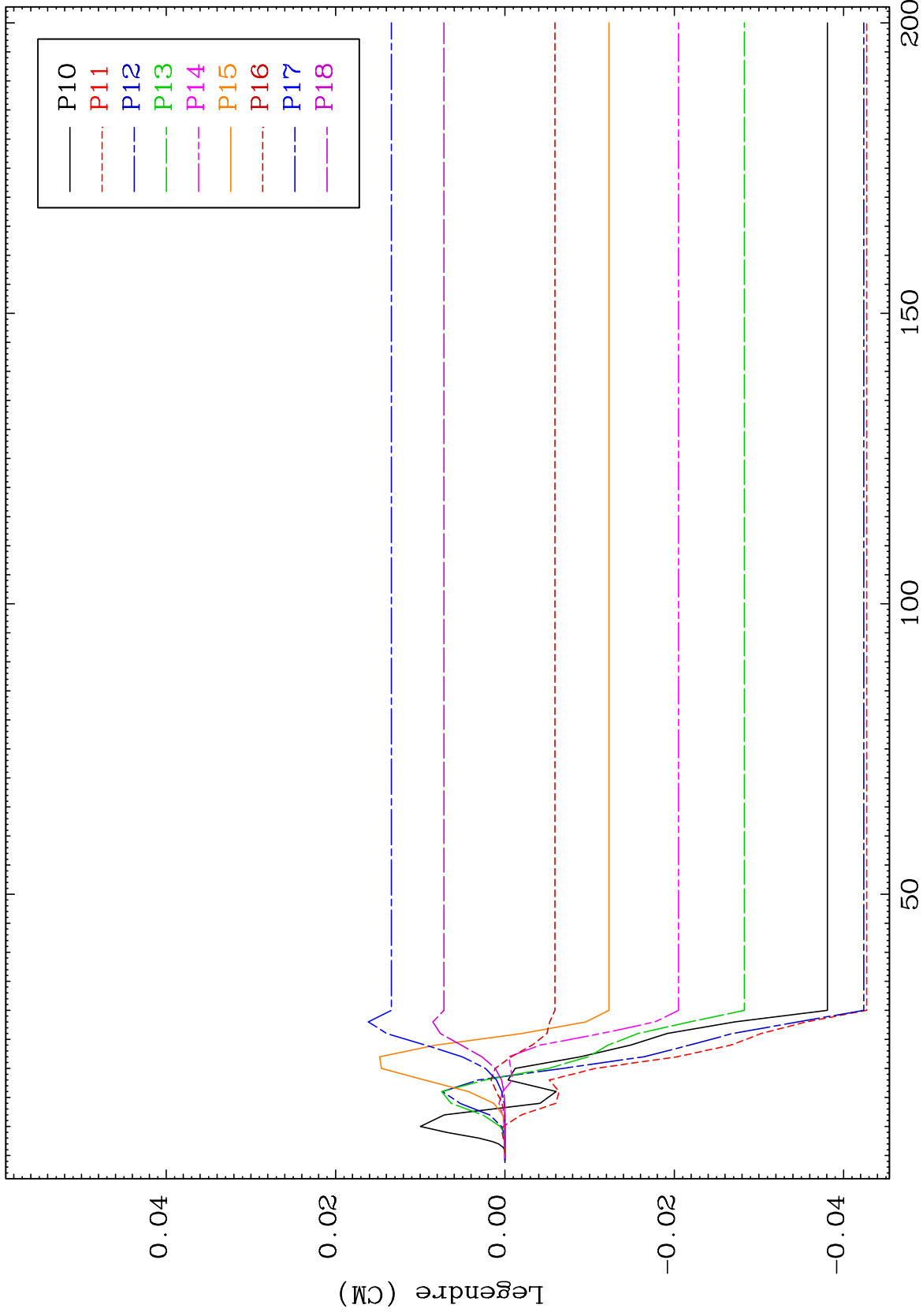
64-Gd-146



88

Incident Energy (MeV)

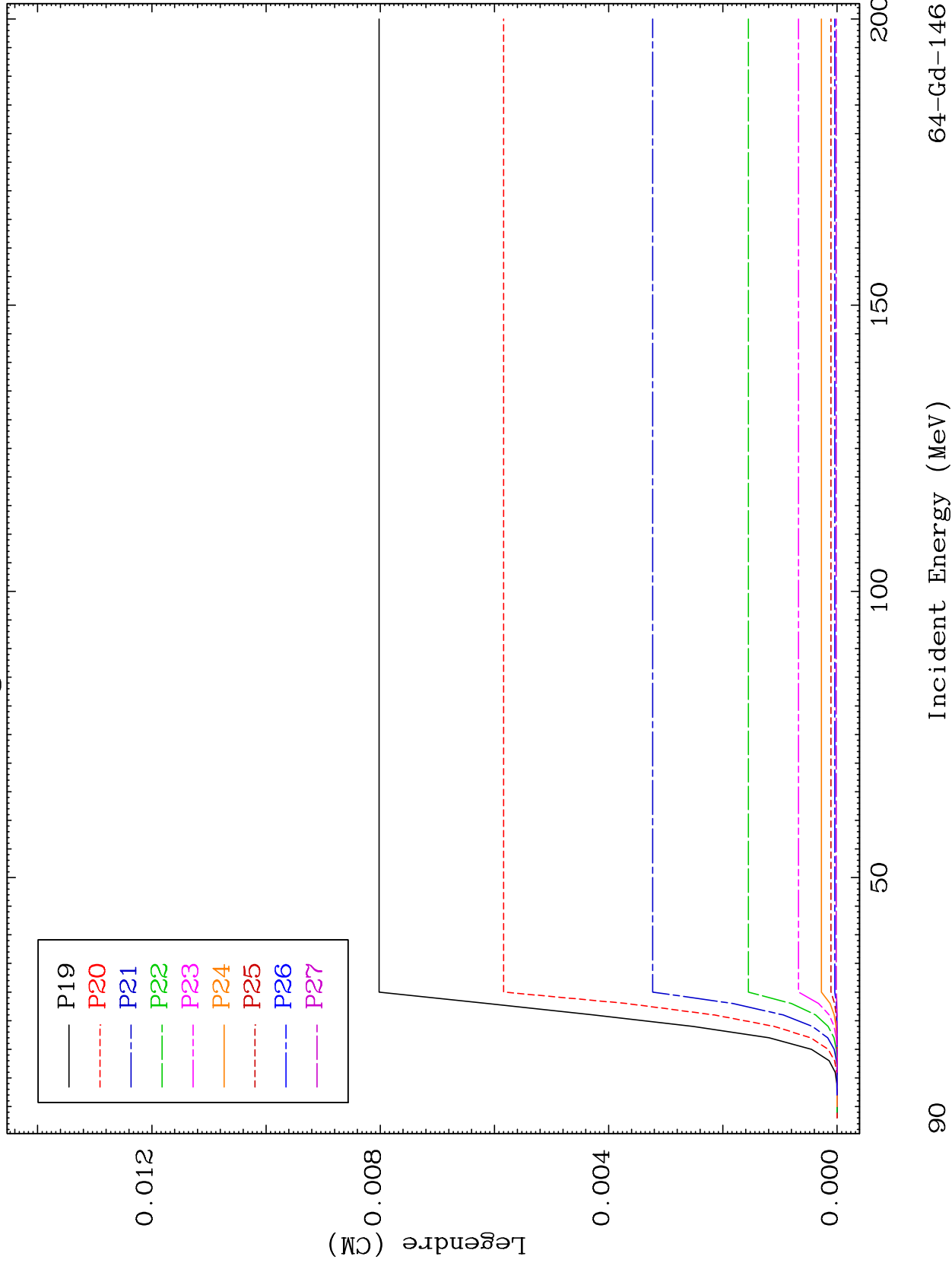
64-Gd-146



MAT 6407

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

64-Gd-146



90

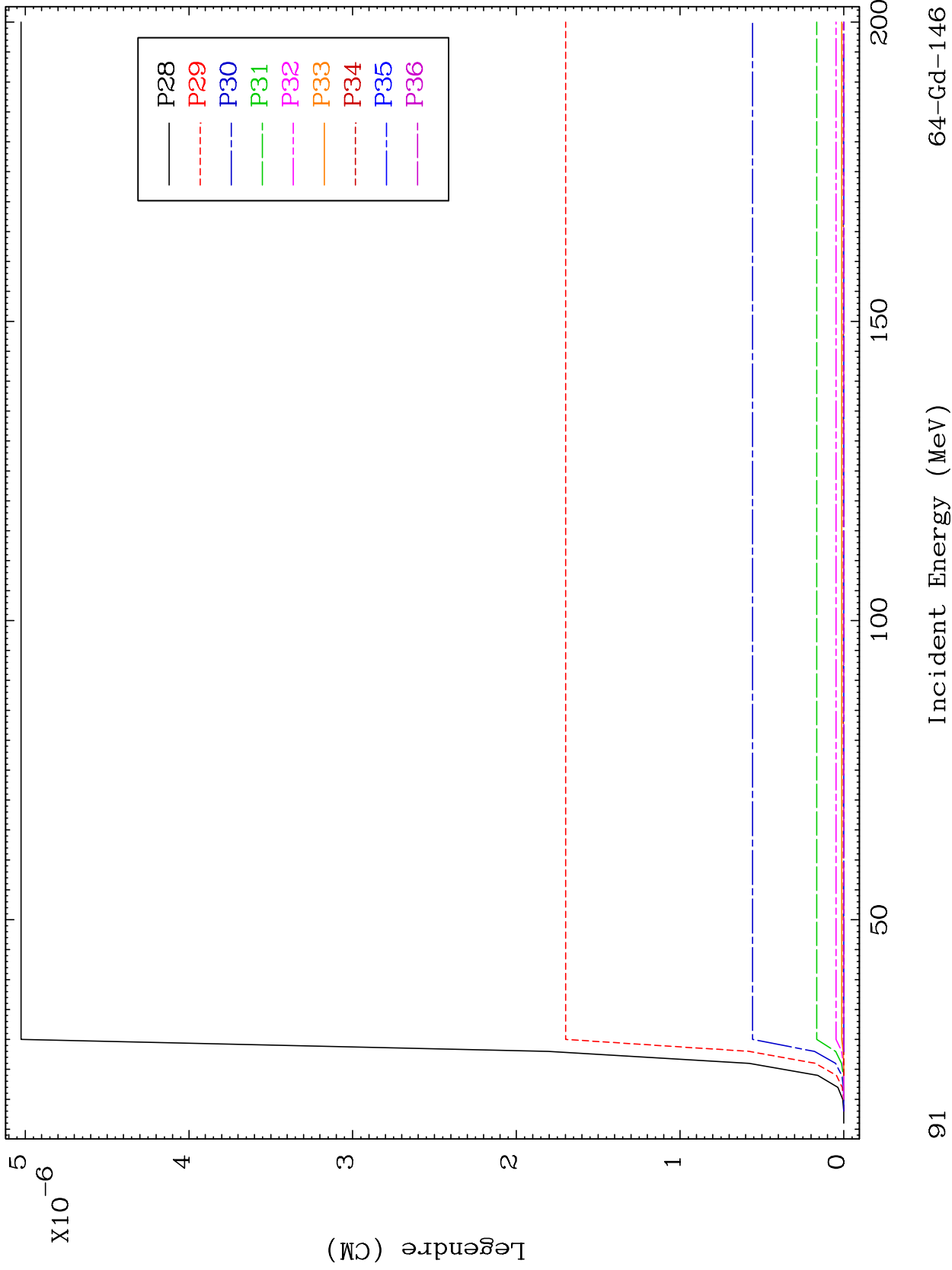
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

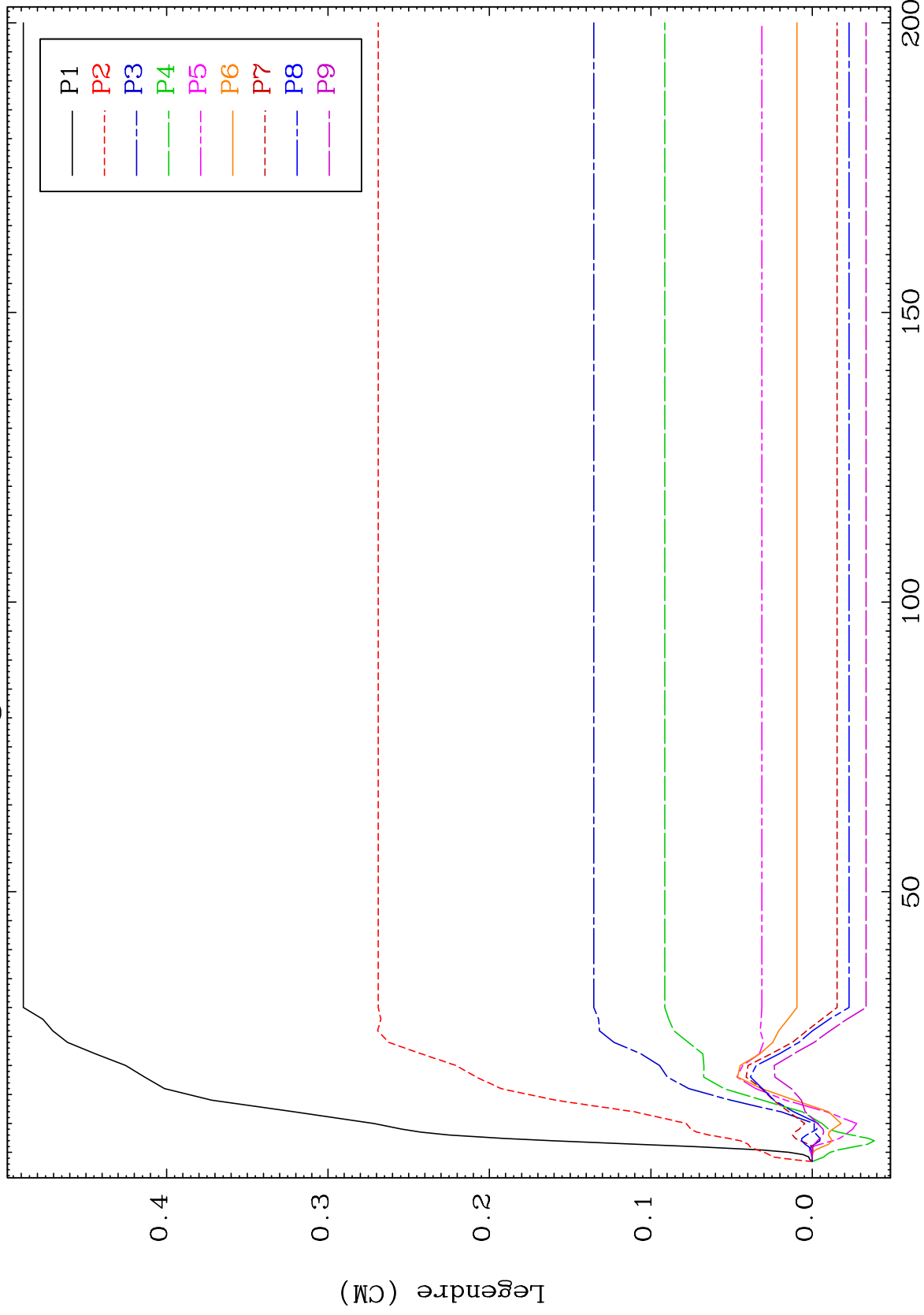
64-Gd-146



MAT 6407

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

64-Gd-146



92

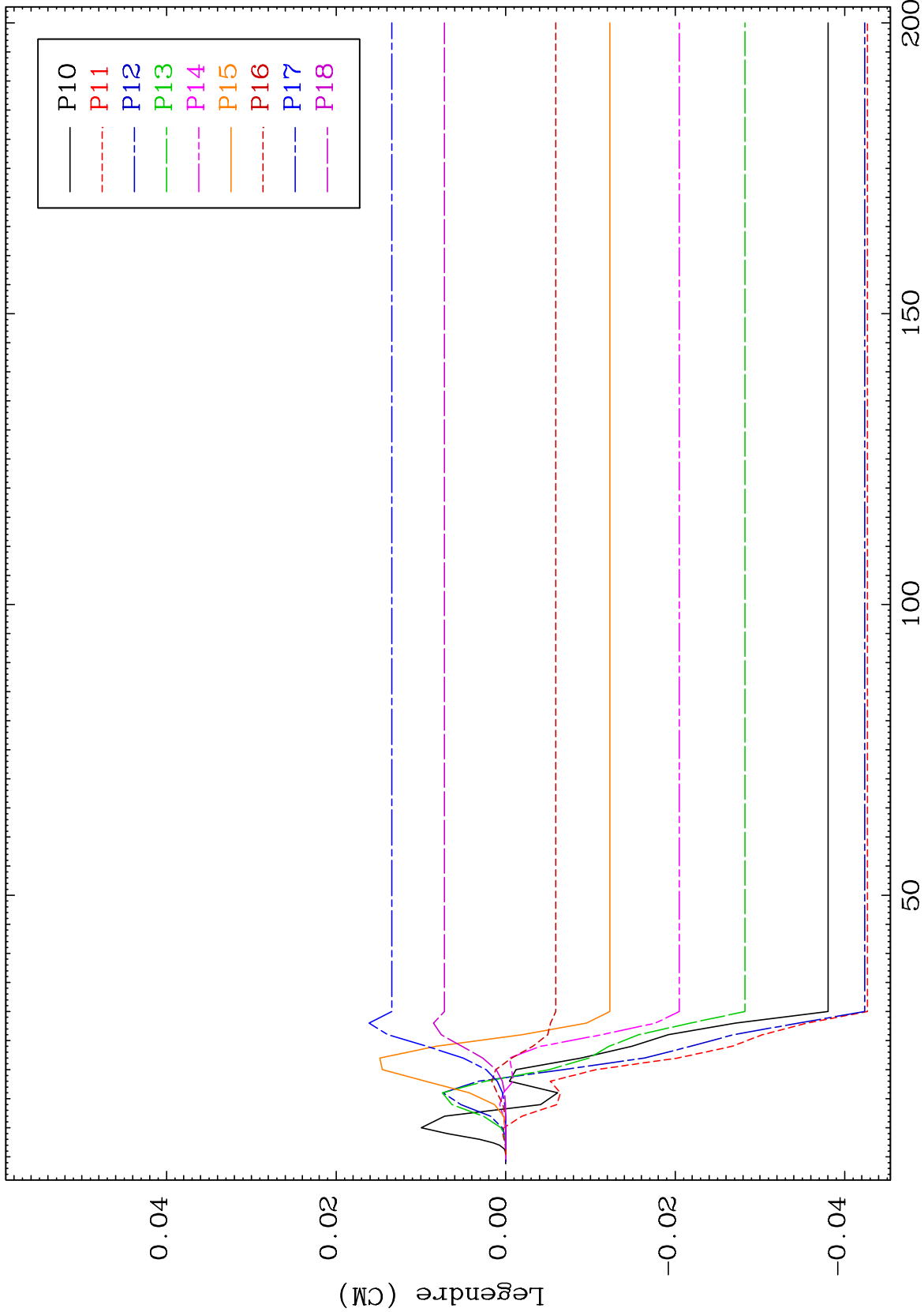
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

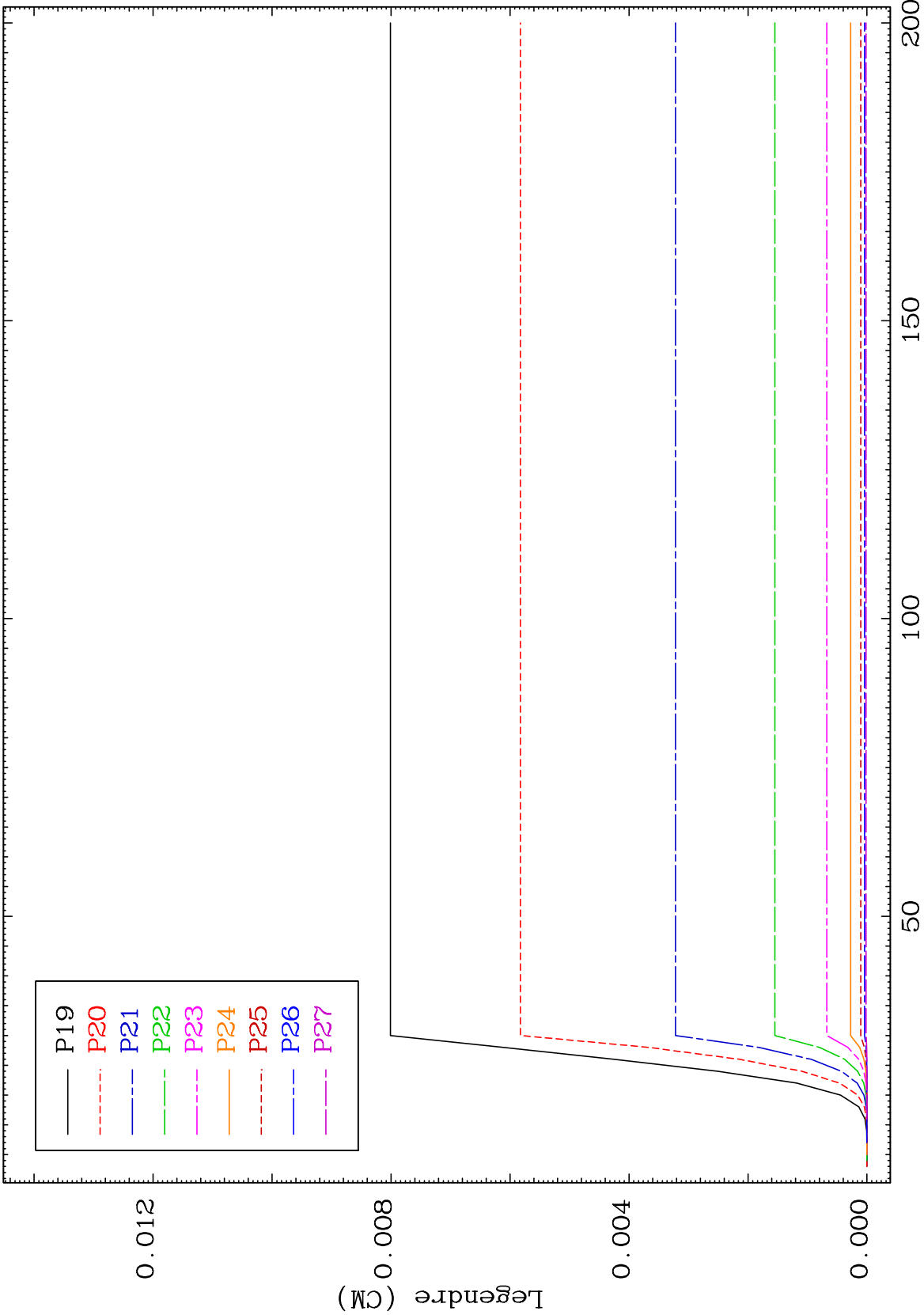
64-Gd-146



MAT 6407

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

64-Gd-146



94

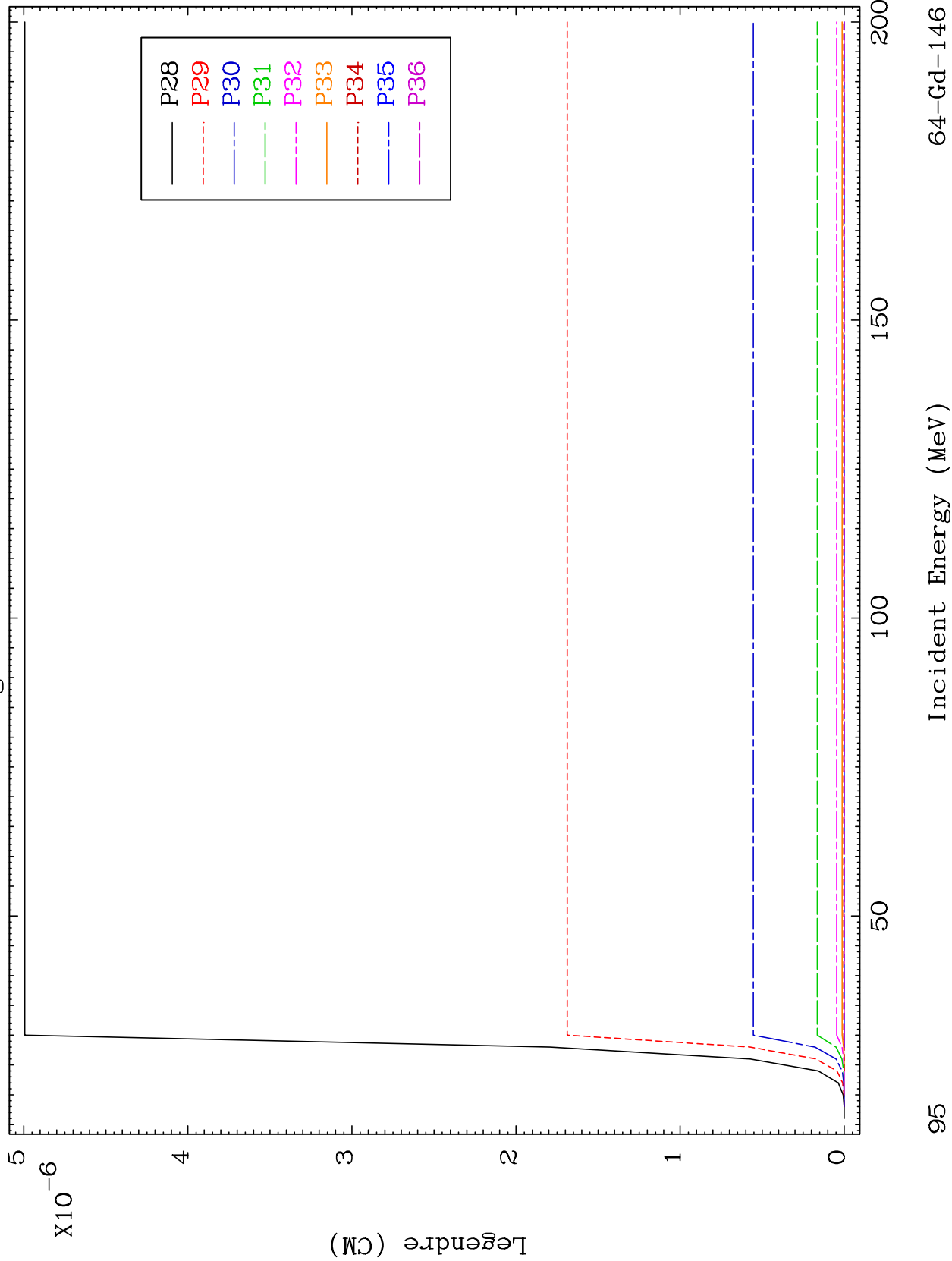
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



95

Incident Energy (MeV)

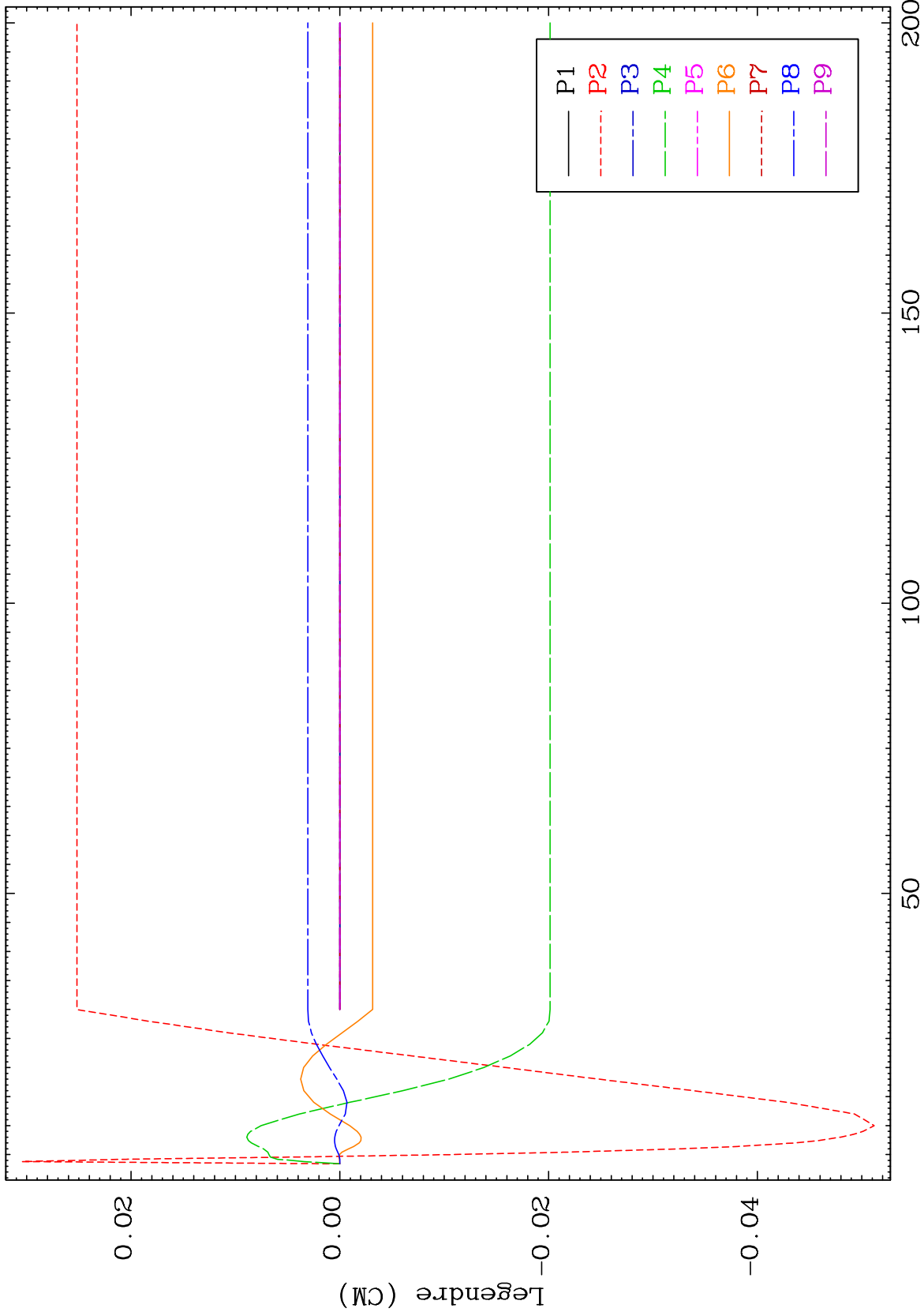
64-Gd-146



MAT 6407

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

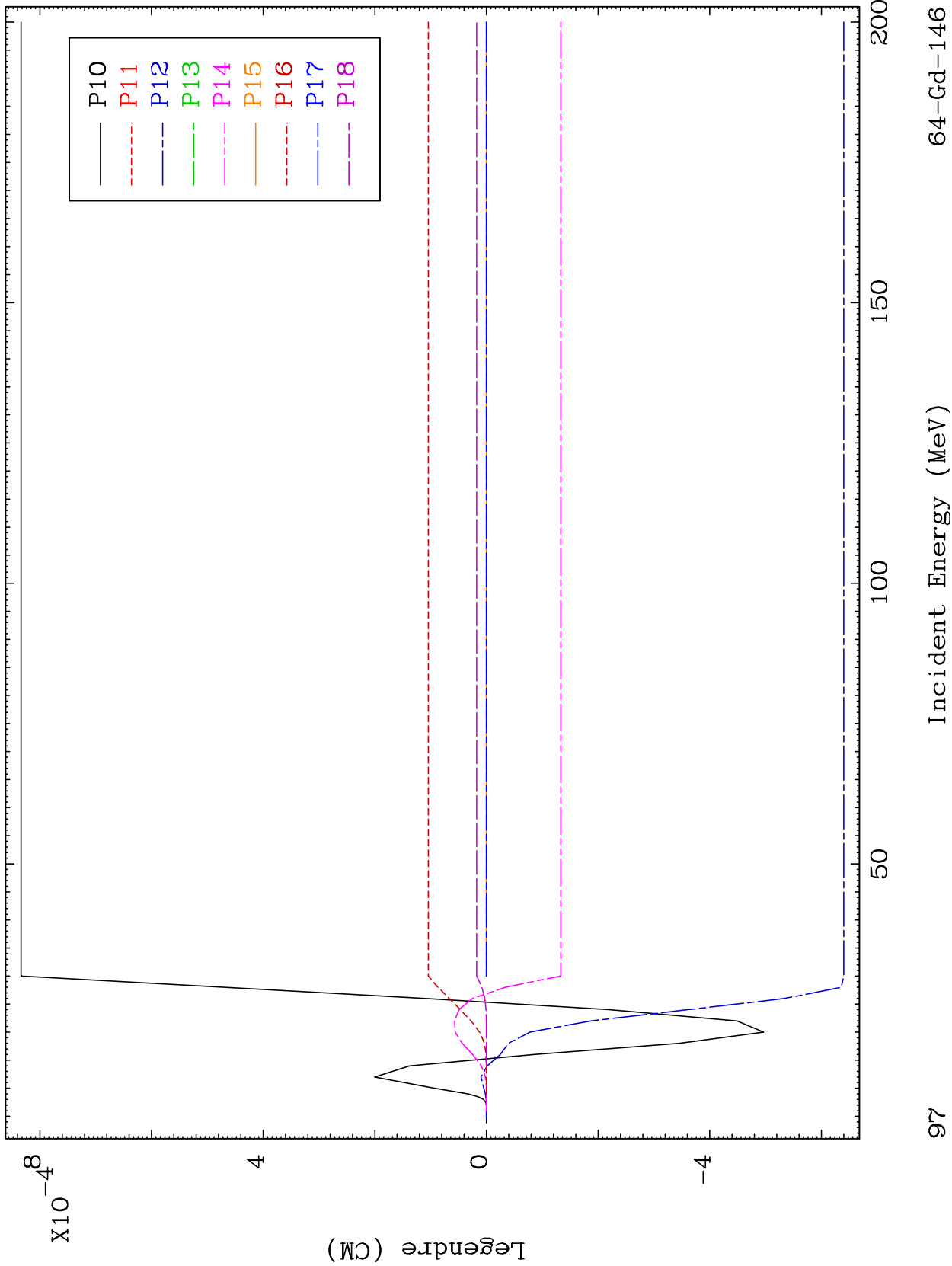
64-Gd-146



96

Incident Energy (MeV)

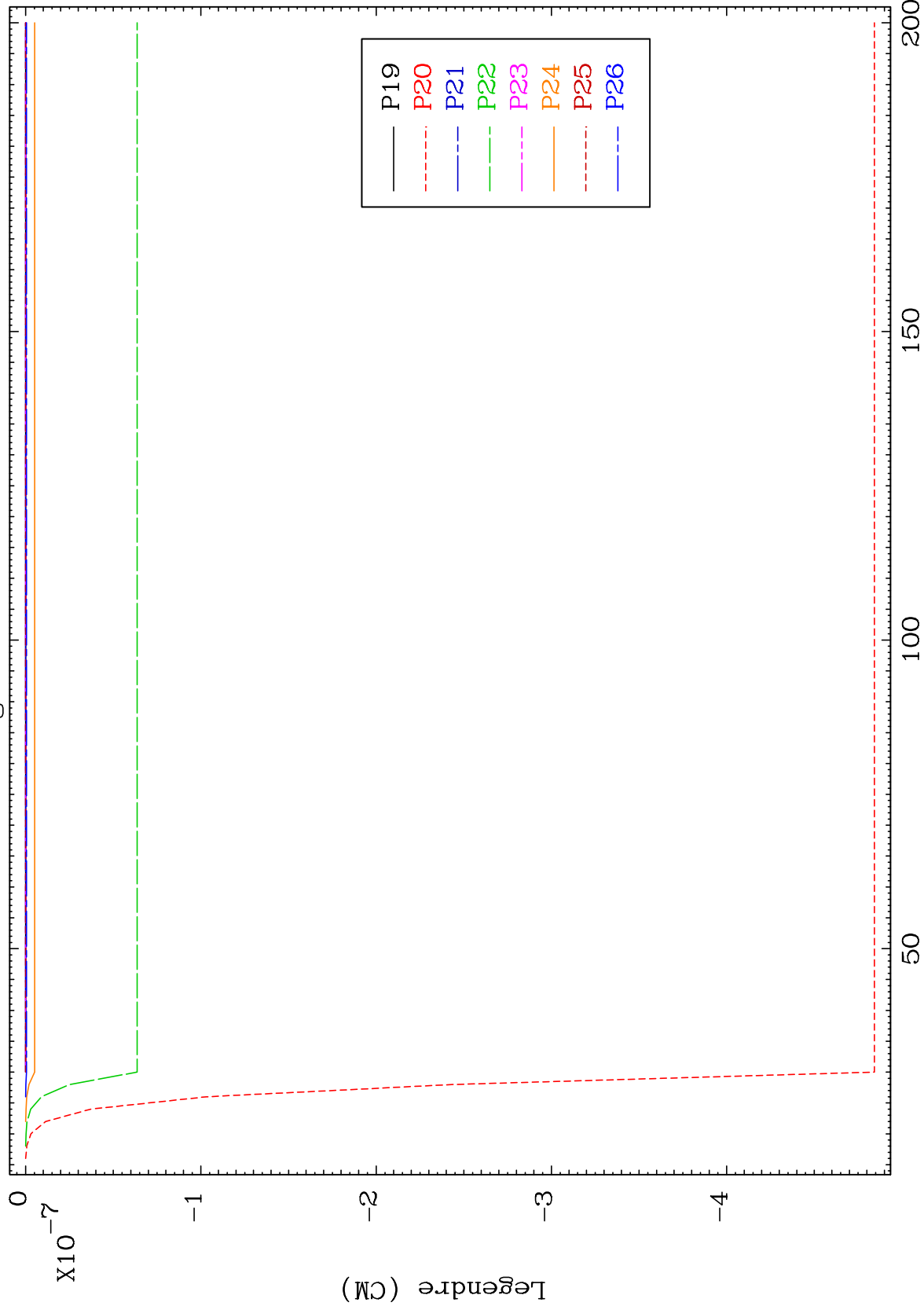
64-Gd-146



MAT 6407

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

64-Gd-146



98

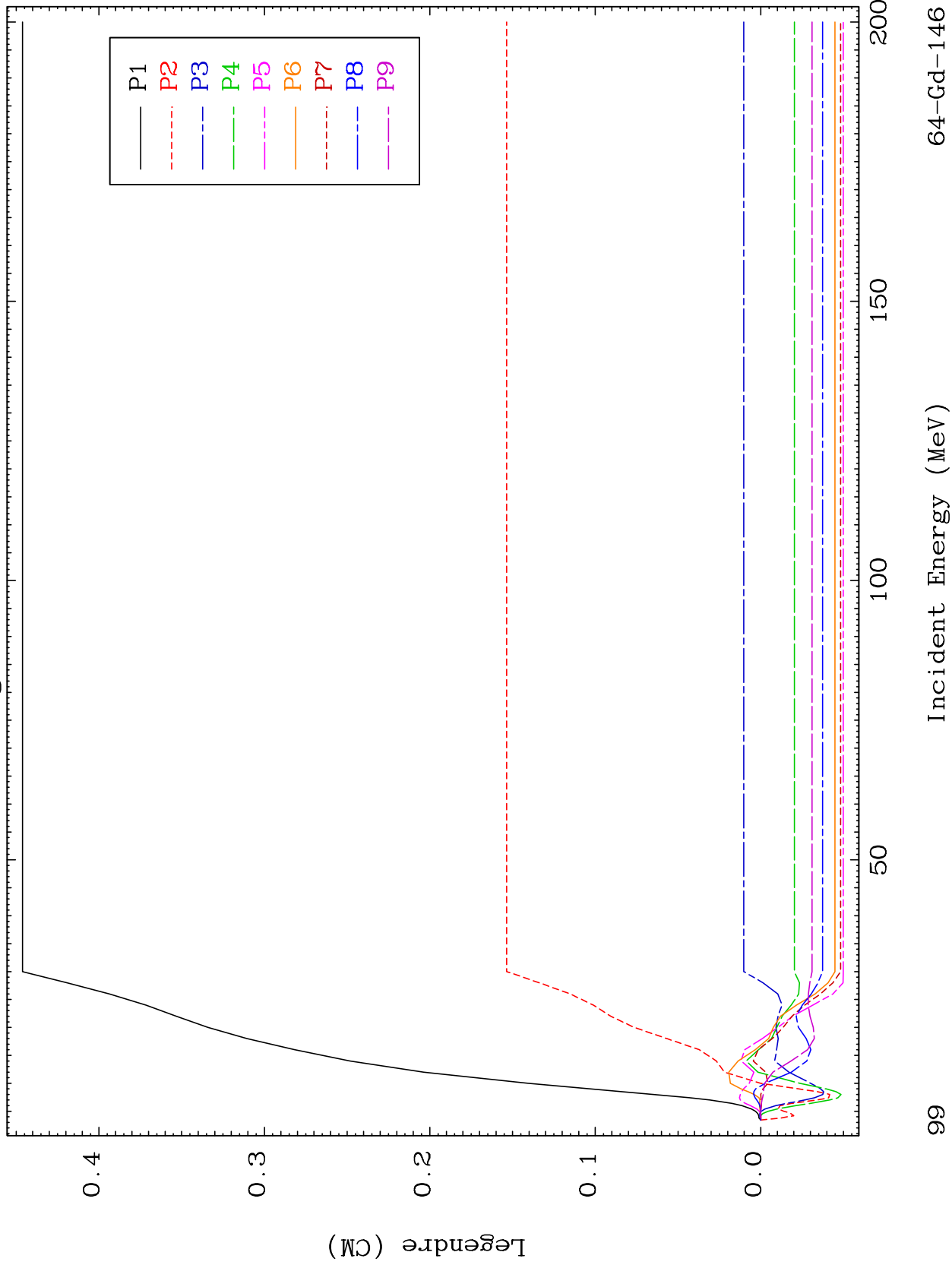
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



99

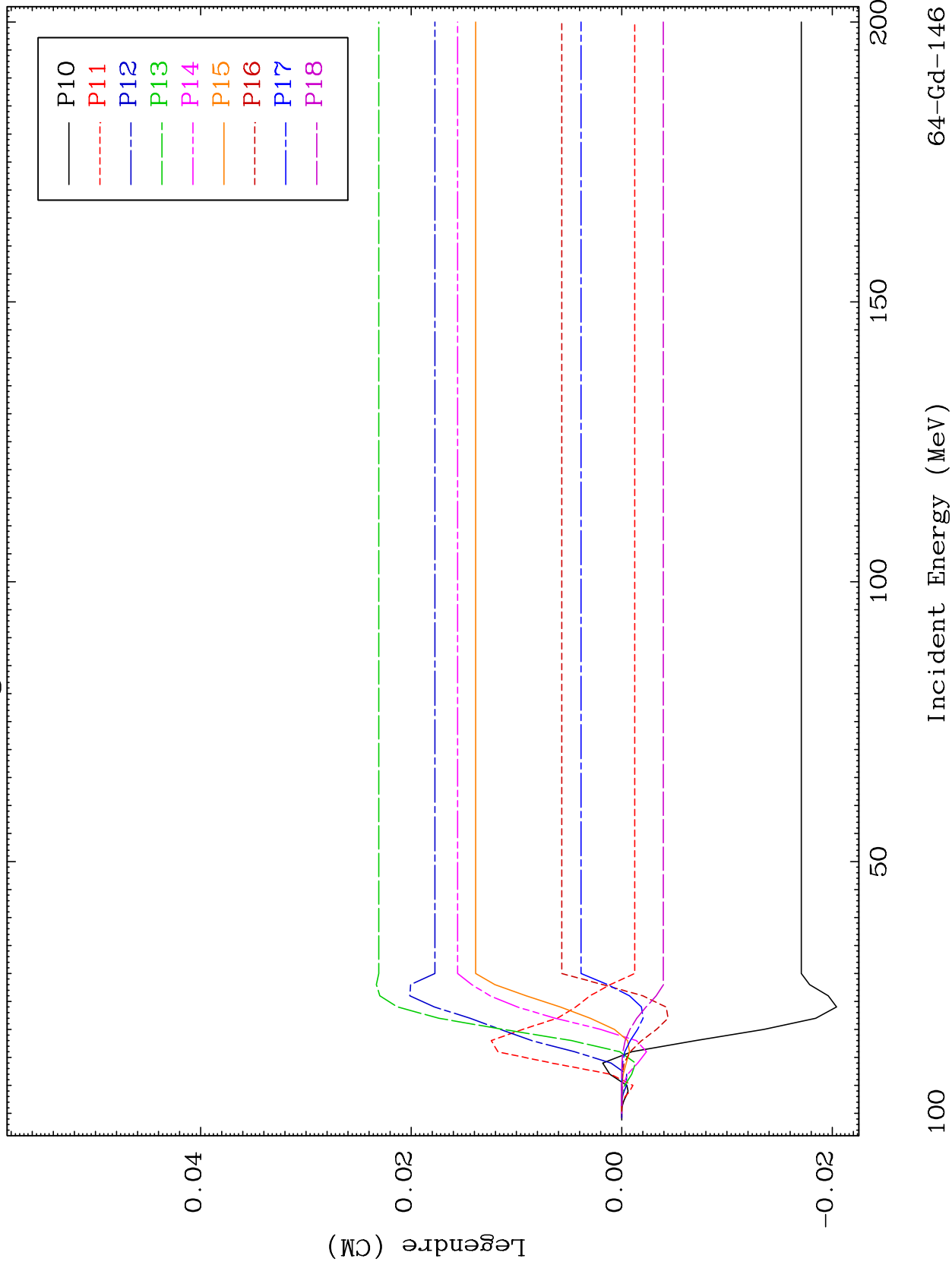
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146

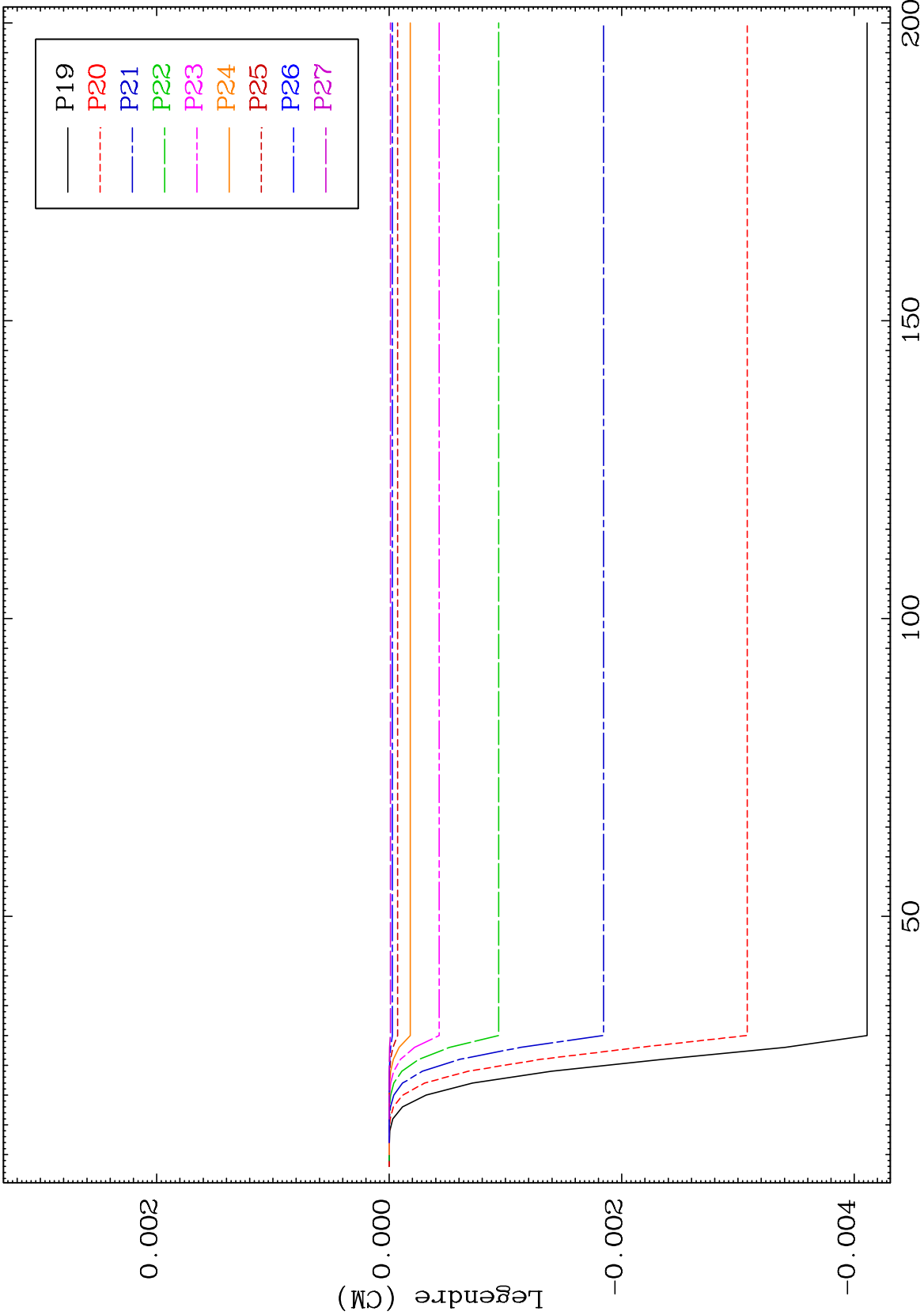


64-Gd-146

MAT 6407

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

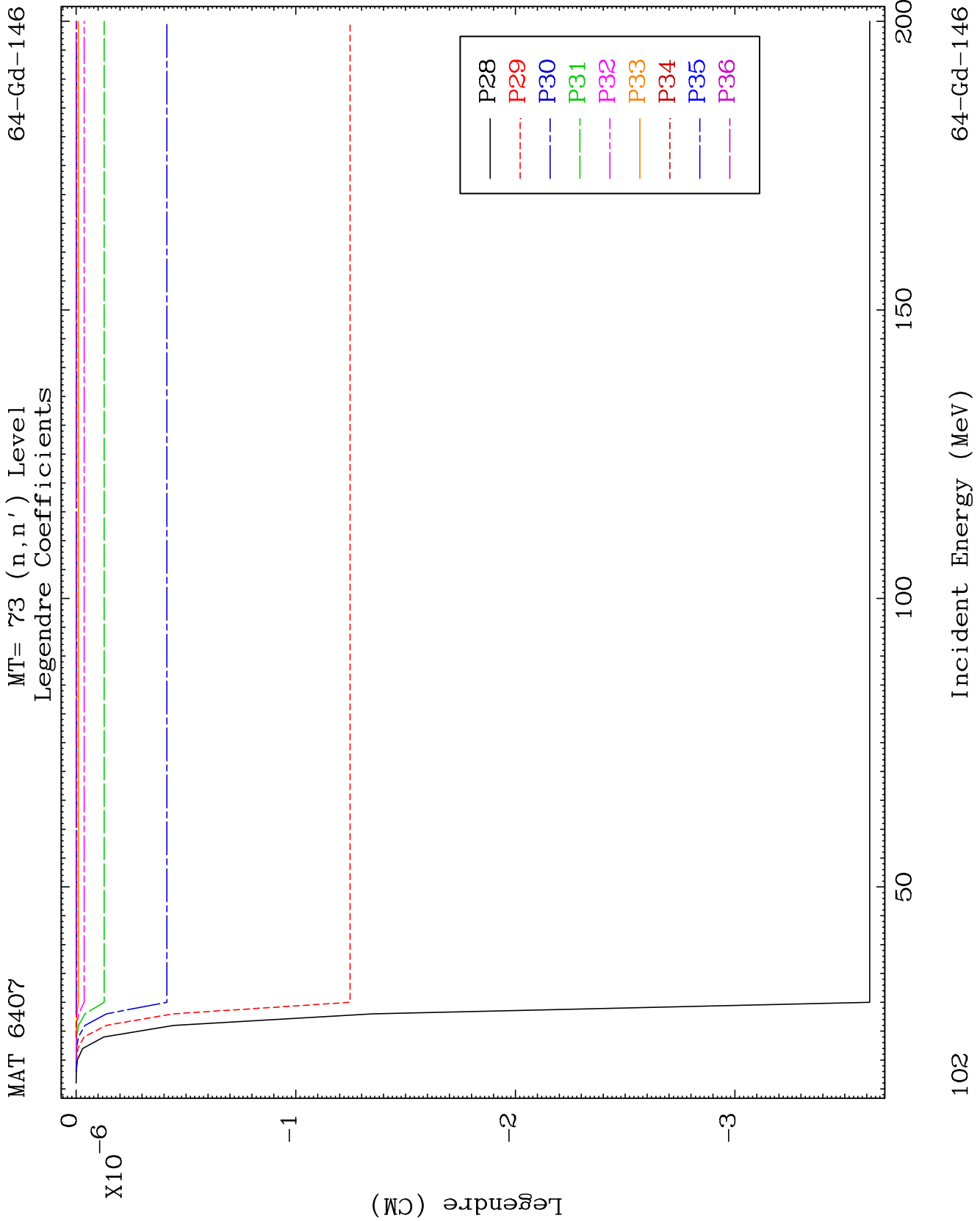
64-Gd-146



101

Incident Energy (MeV)

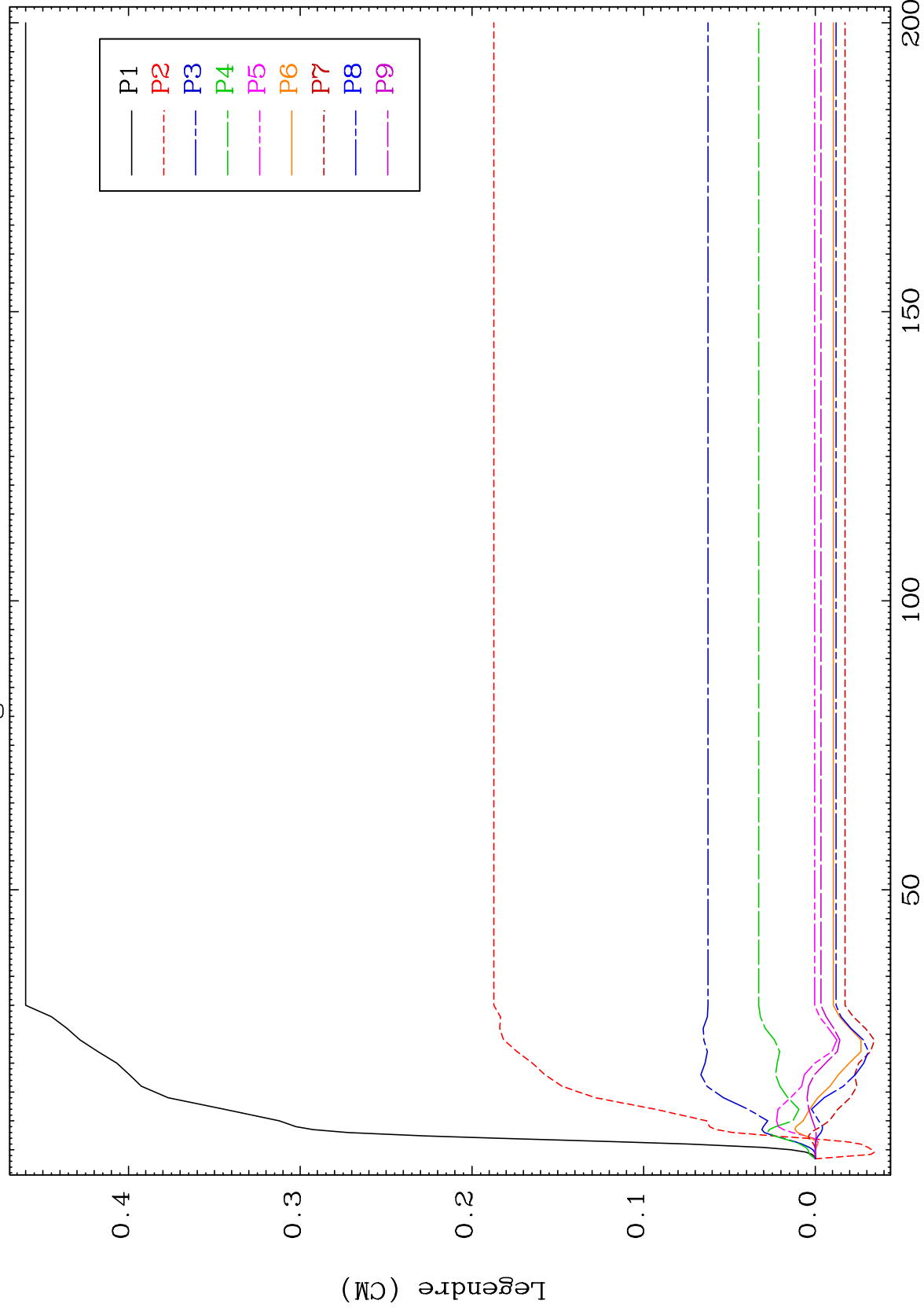
64-Gd-146



MAT 6407

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

64-Gd-146



103

Incident Energy (MeV)

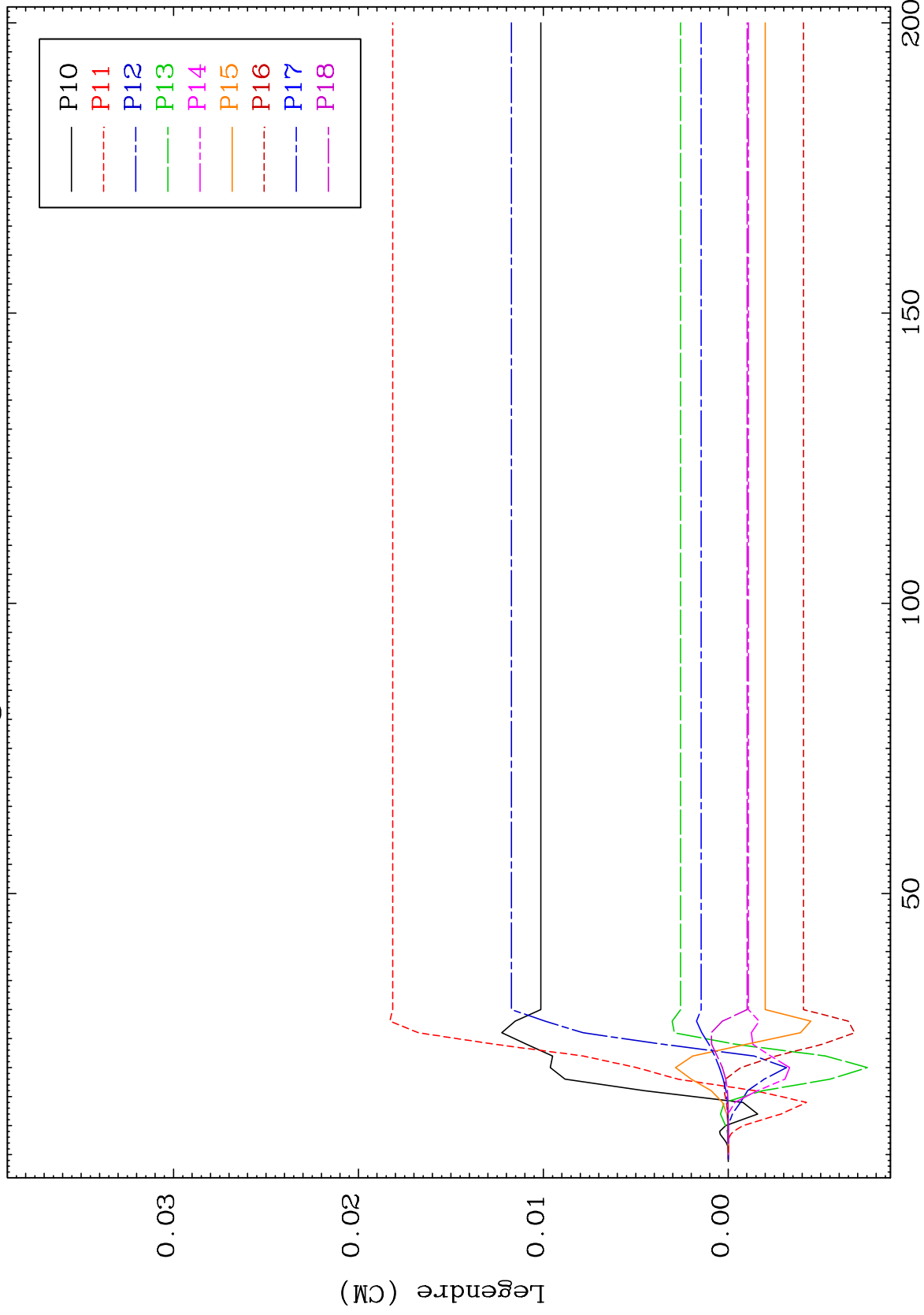
64-Gd-146



MAT 6407

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

64-Gd-146



104

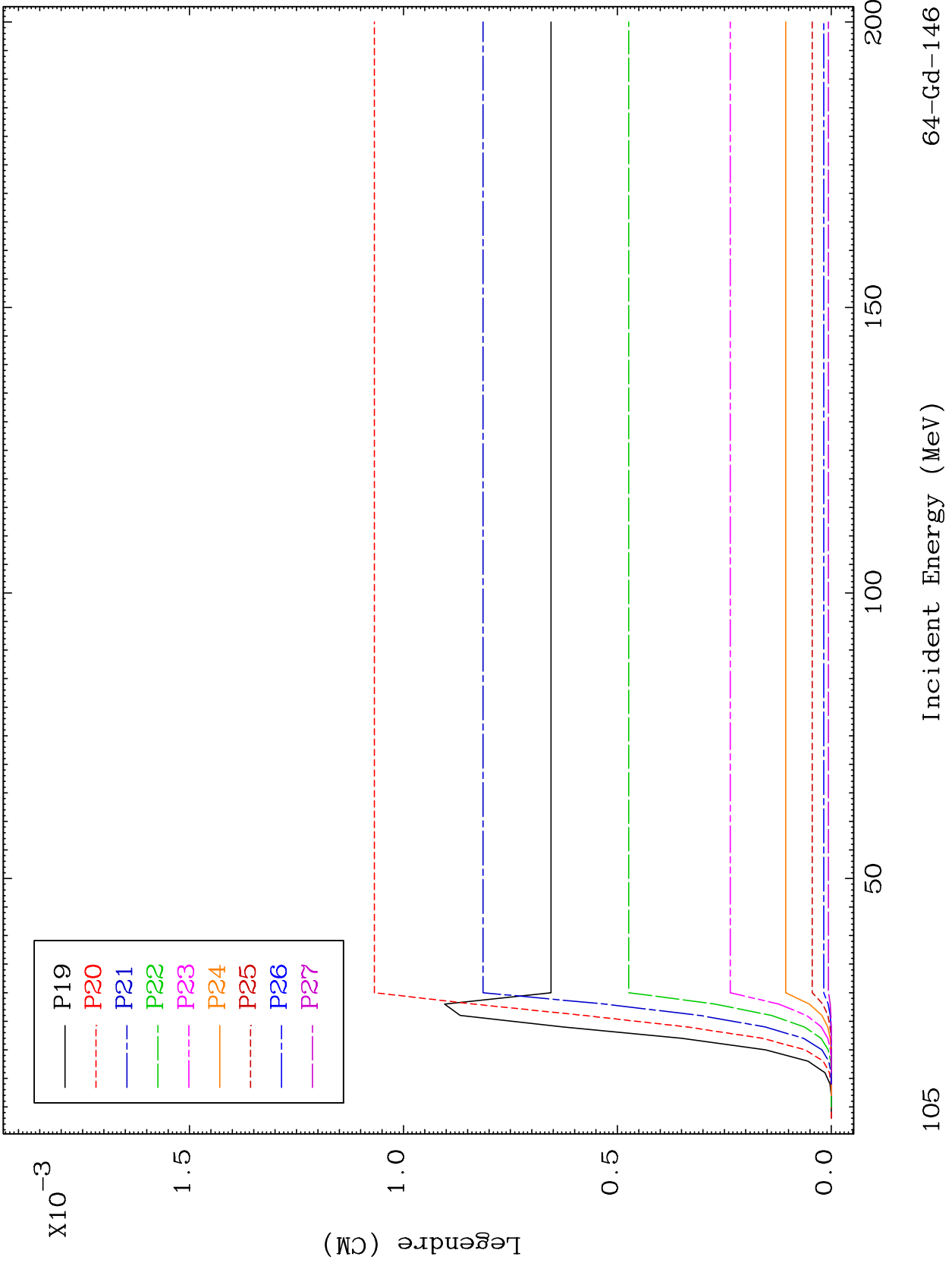
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

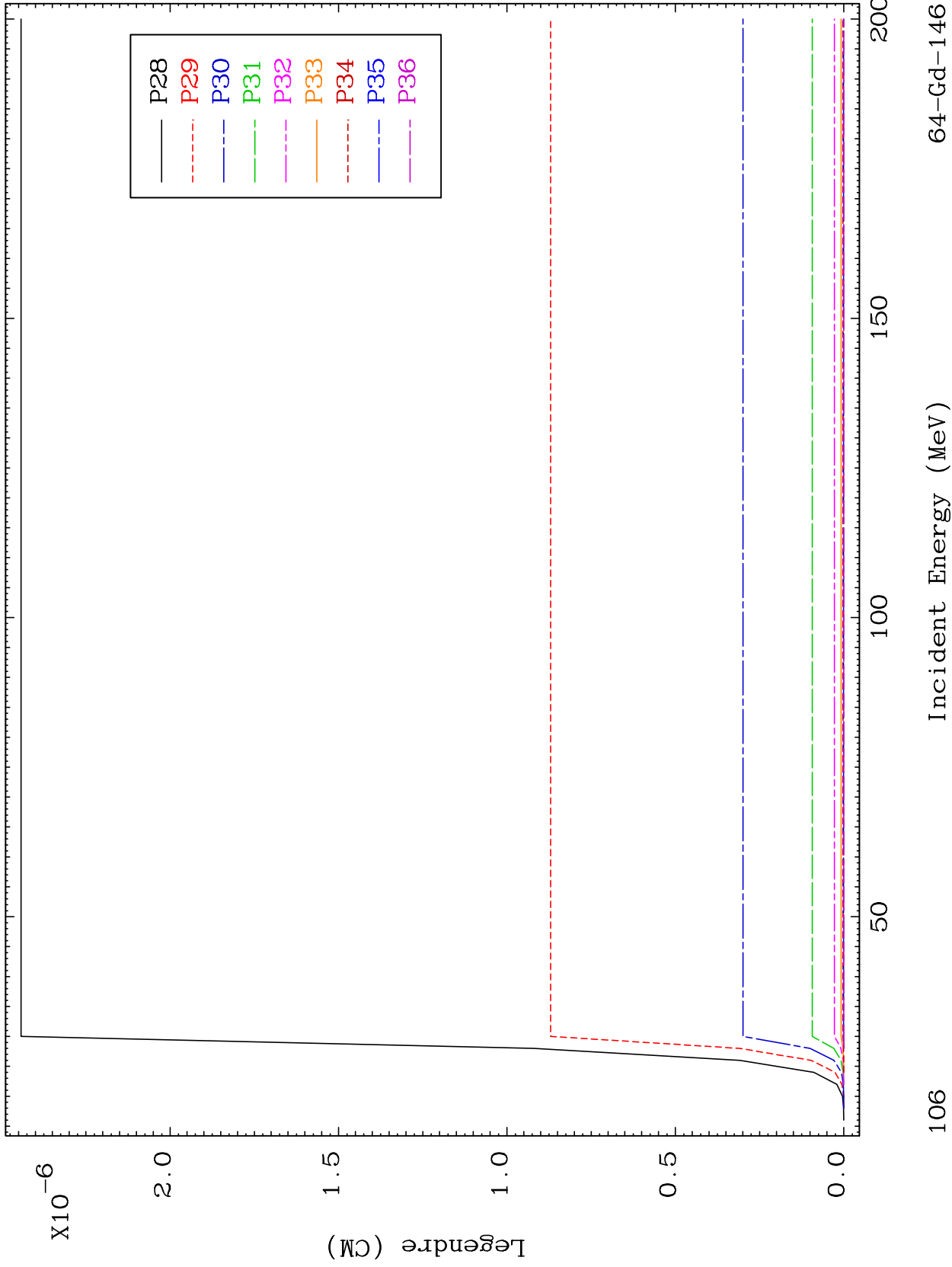
Incident Energy (MeV)

105

MAT 6407

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

64-Gd-146



106

Incident Energy (MeV)

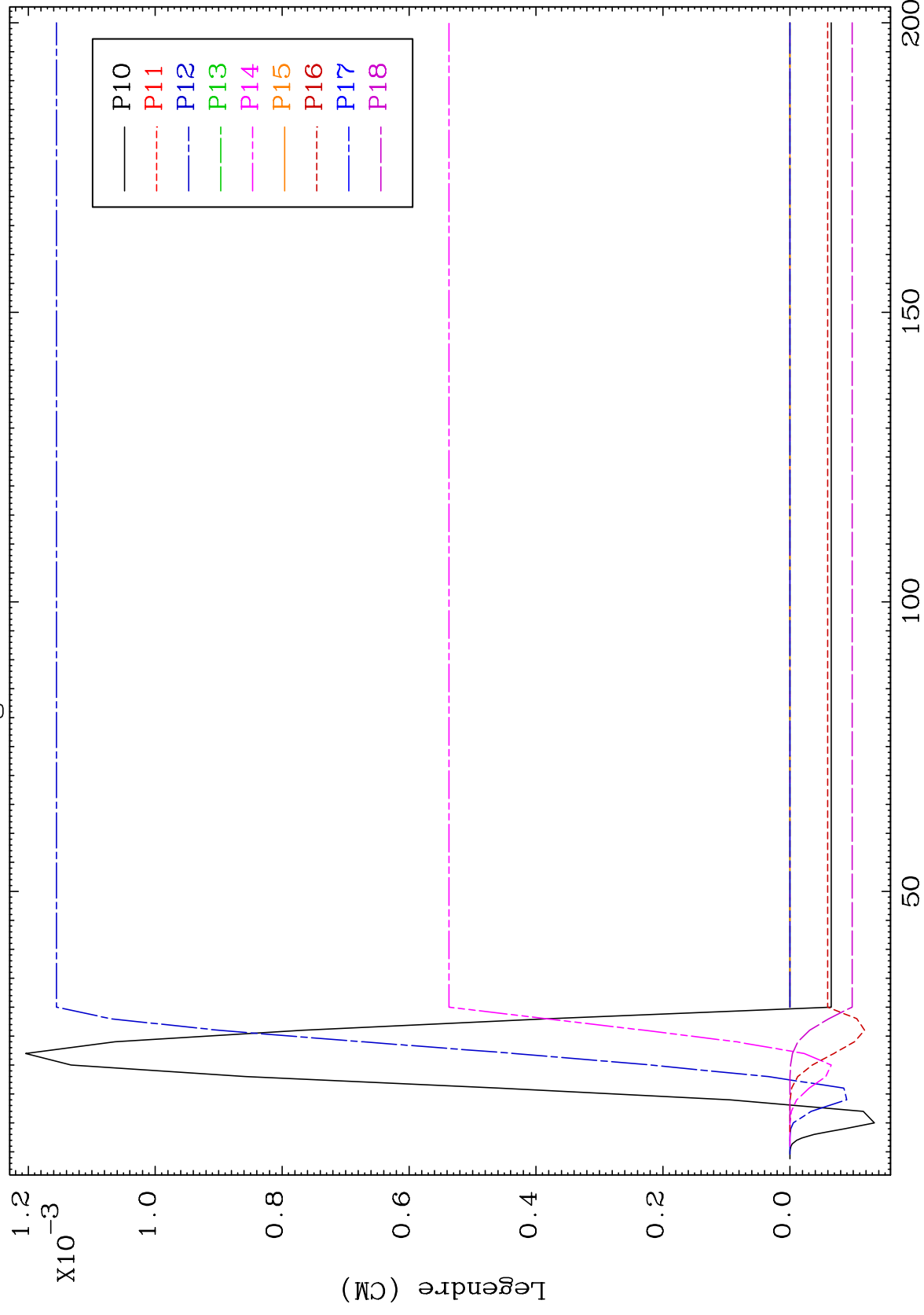
64-Gd-146



MAT 6407

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

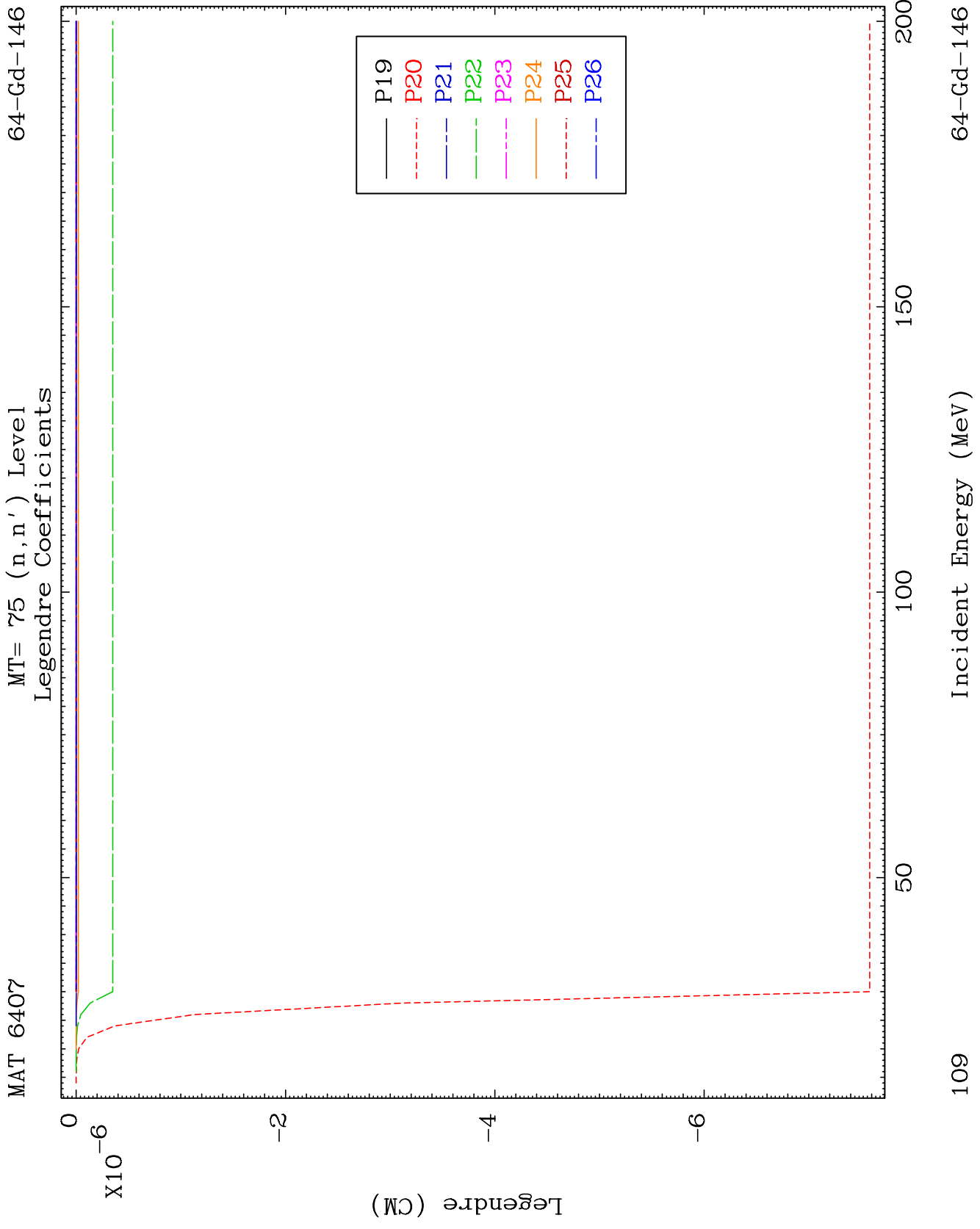
64-Gd-146



108

Incident Energy (MeV)

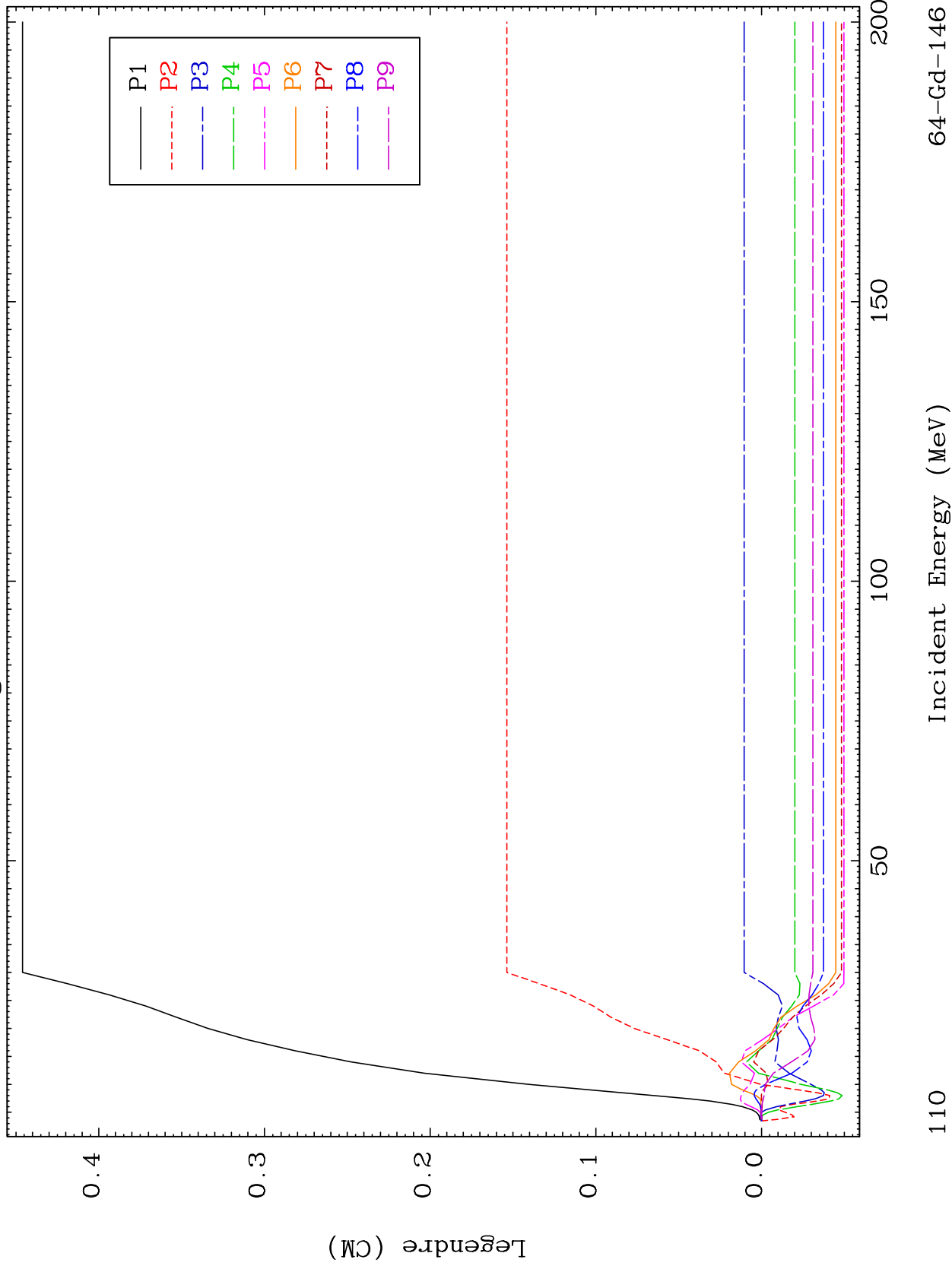
64-Gd-146



MAT 6407

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

64-Gd-146



64-Gd-146

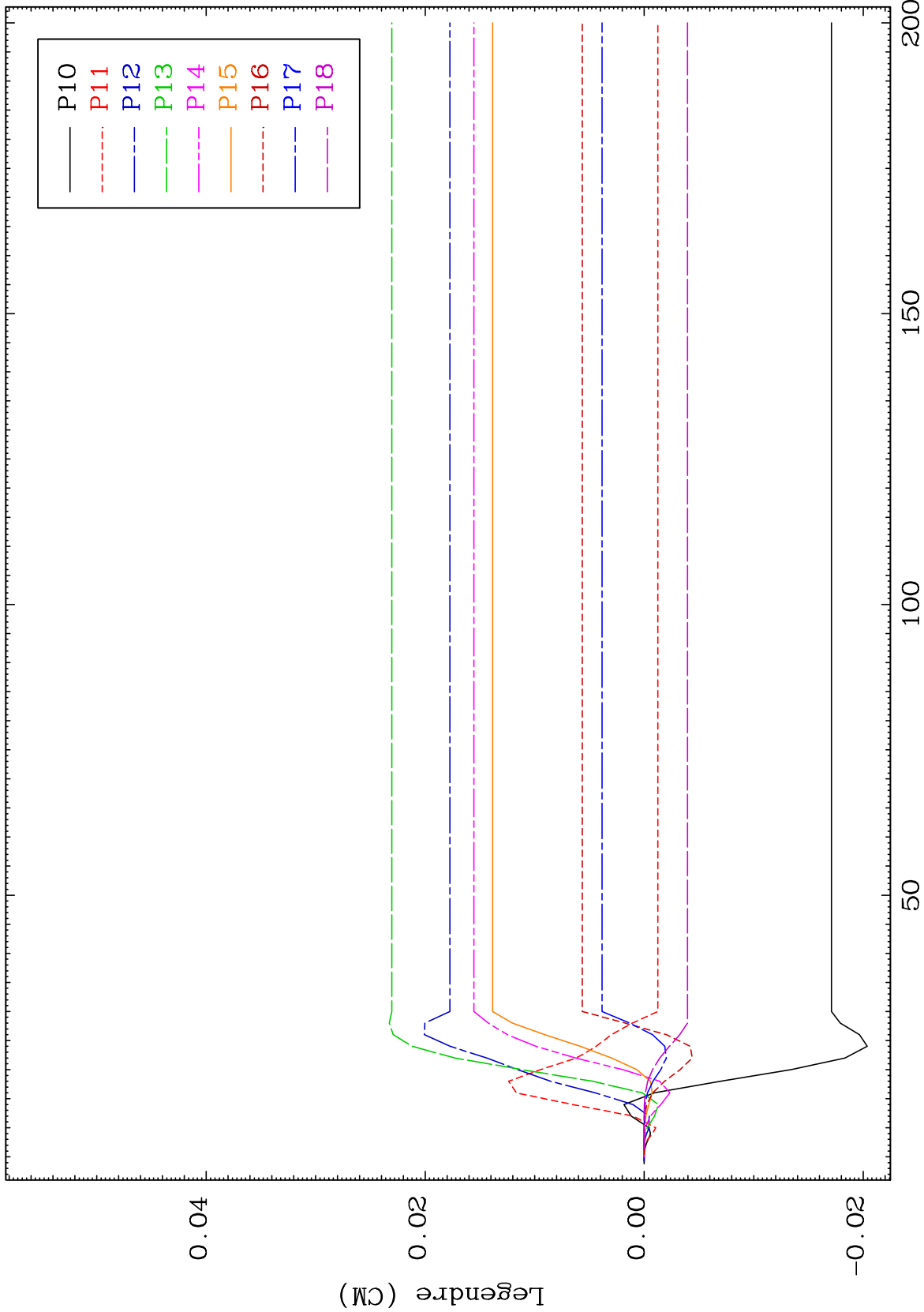
Incident Energy (MeV)

110

MAT 6407

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

64-Gd-146



111

Incident Energy (MeV)

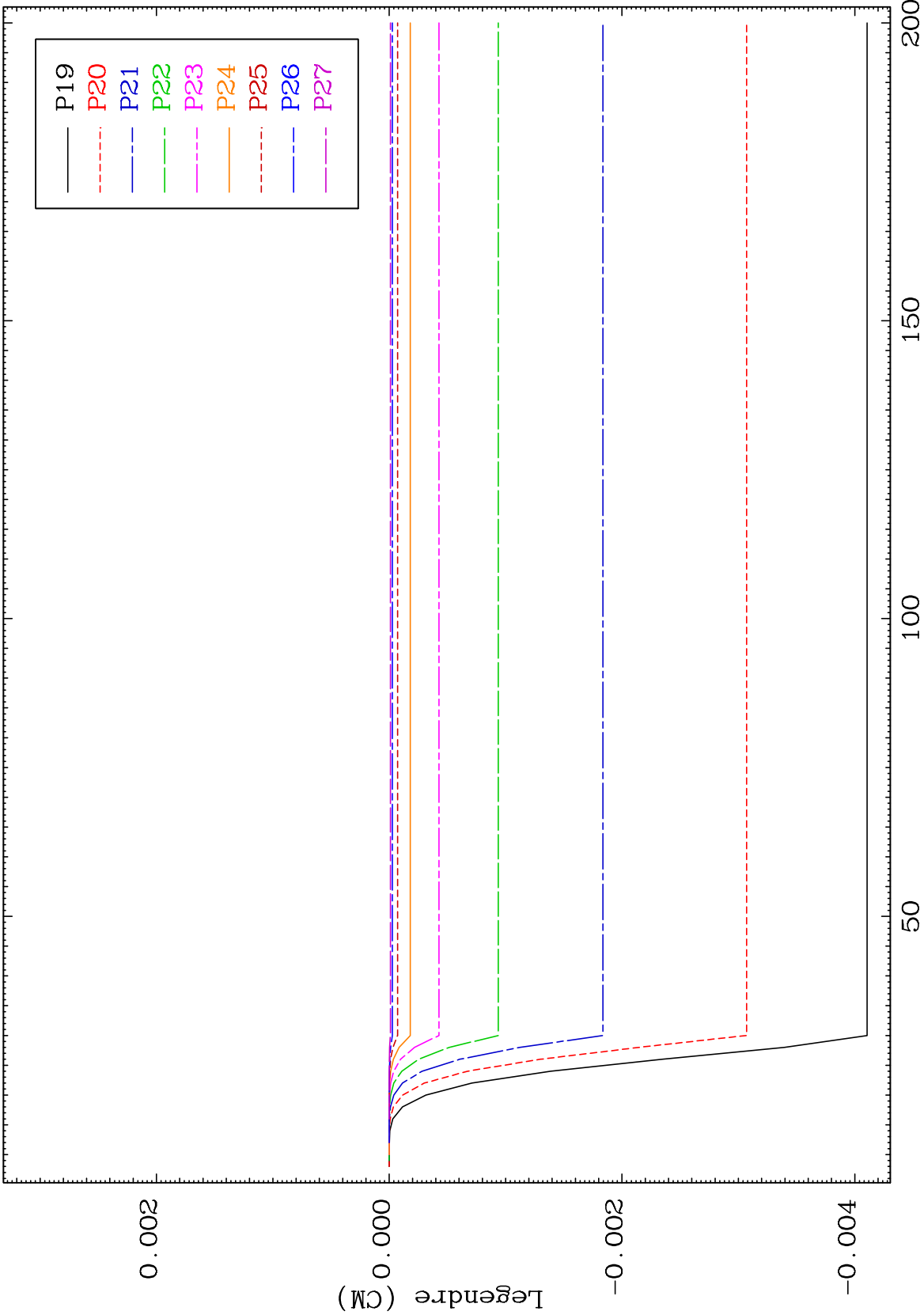
64-Gd-146



MAT 6407

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

64-Gd-146



112

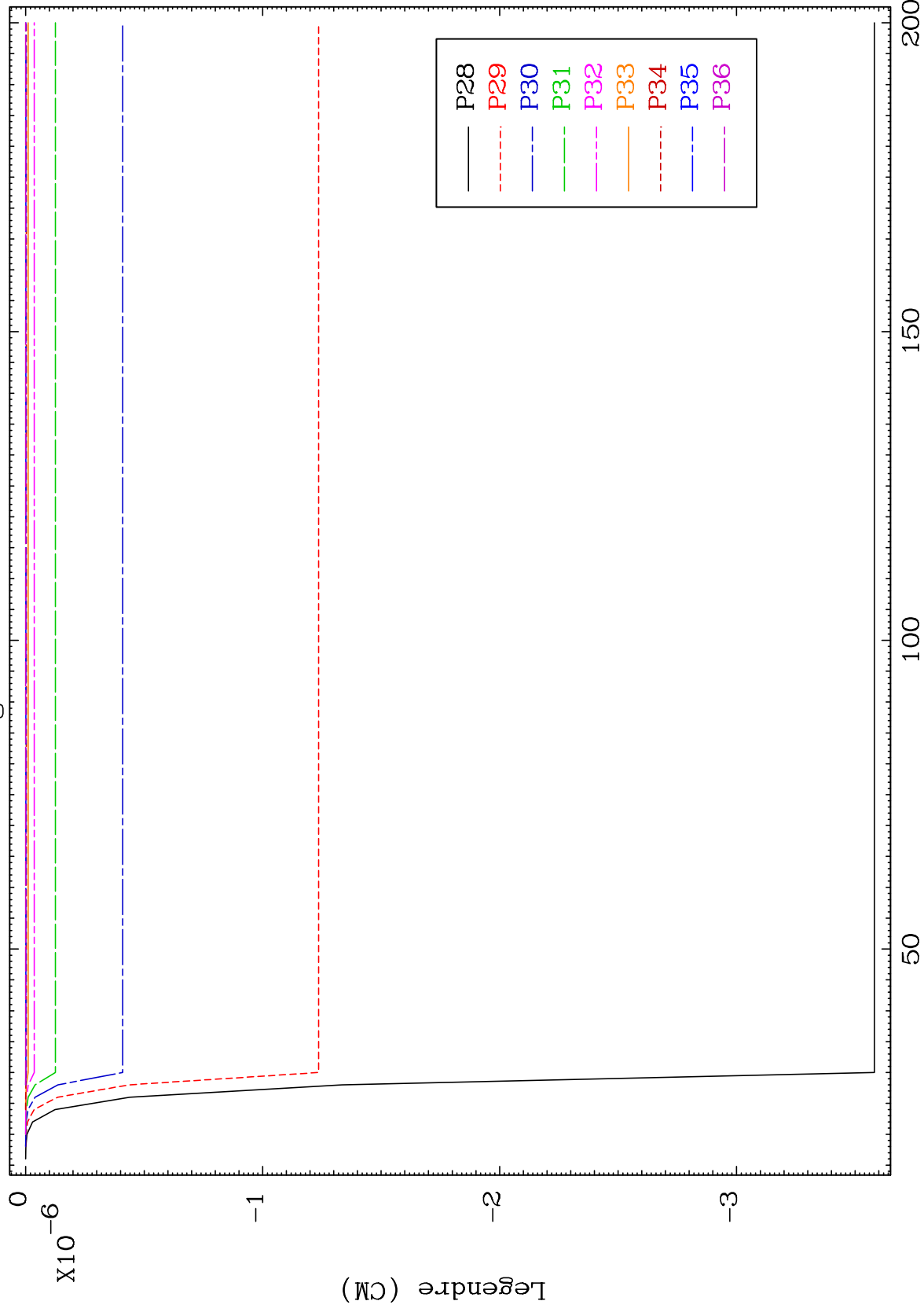
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



113

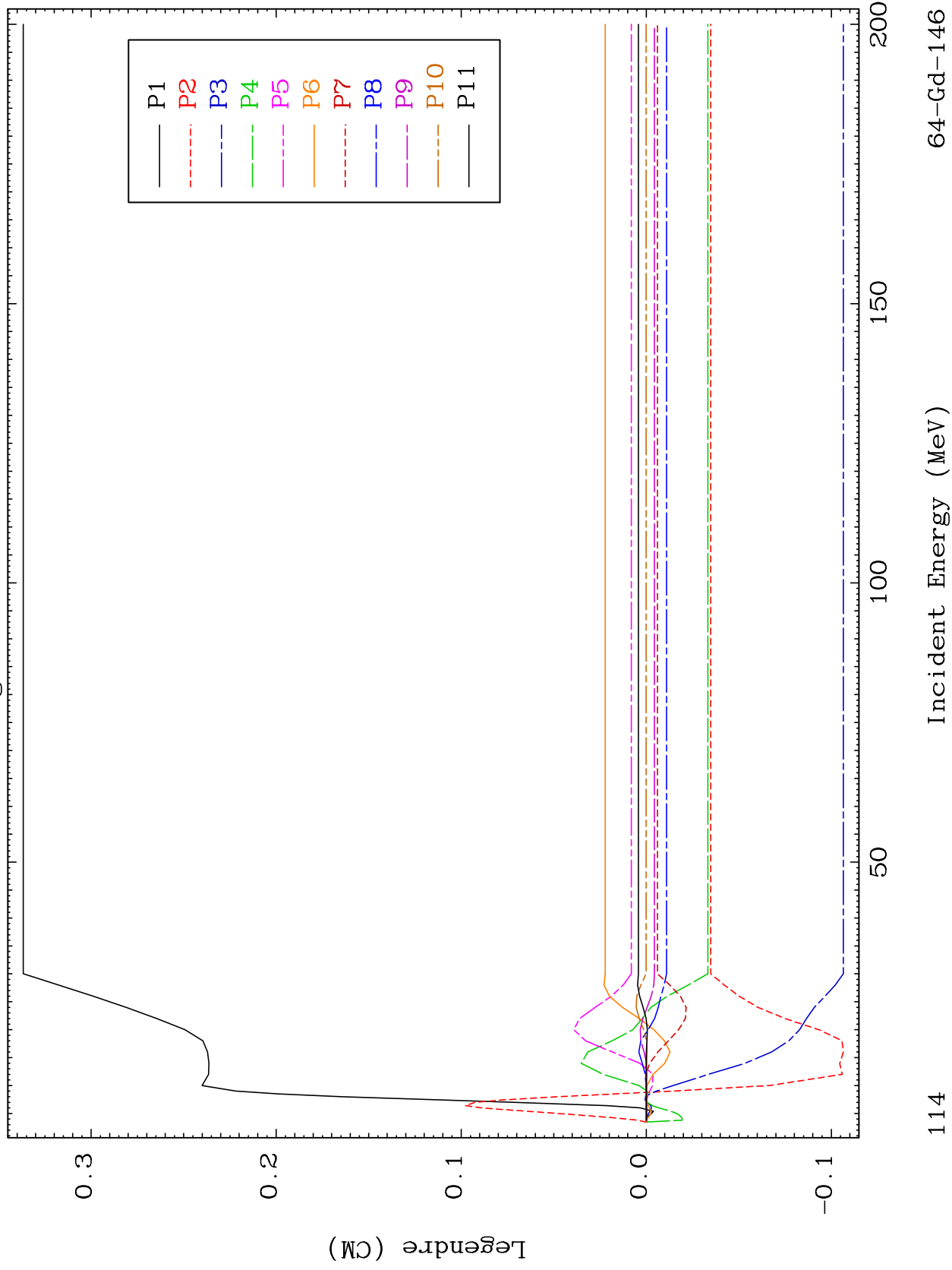
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



114

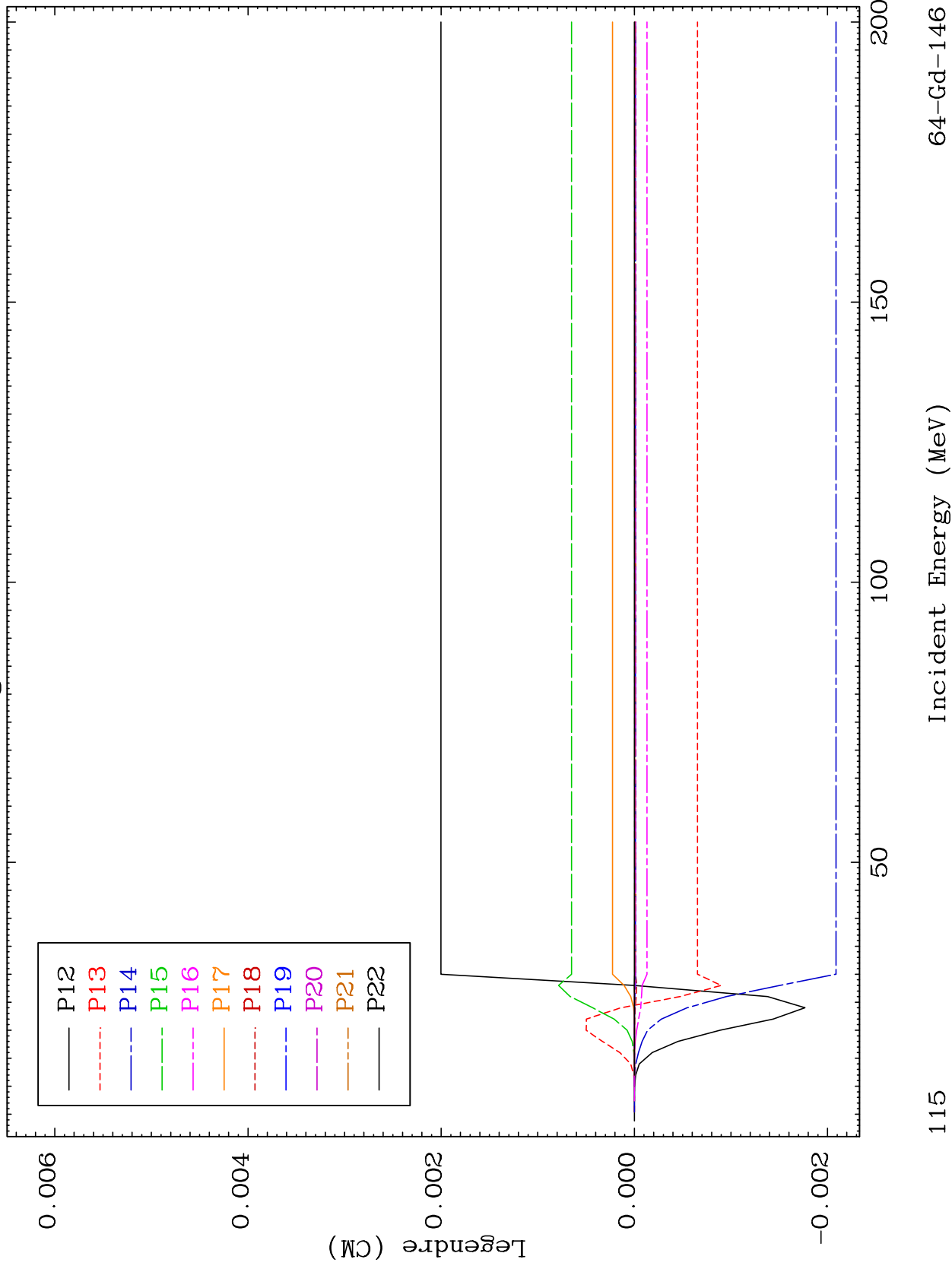
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



115

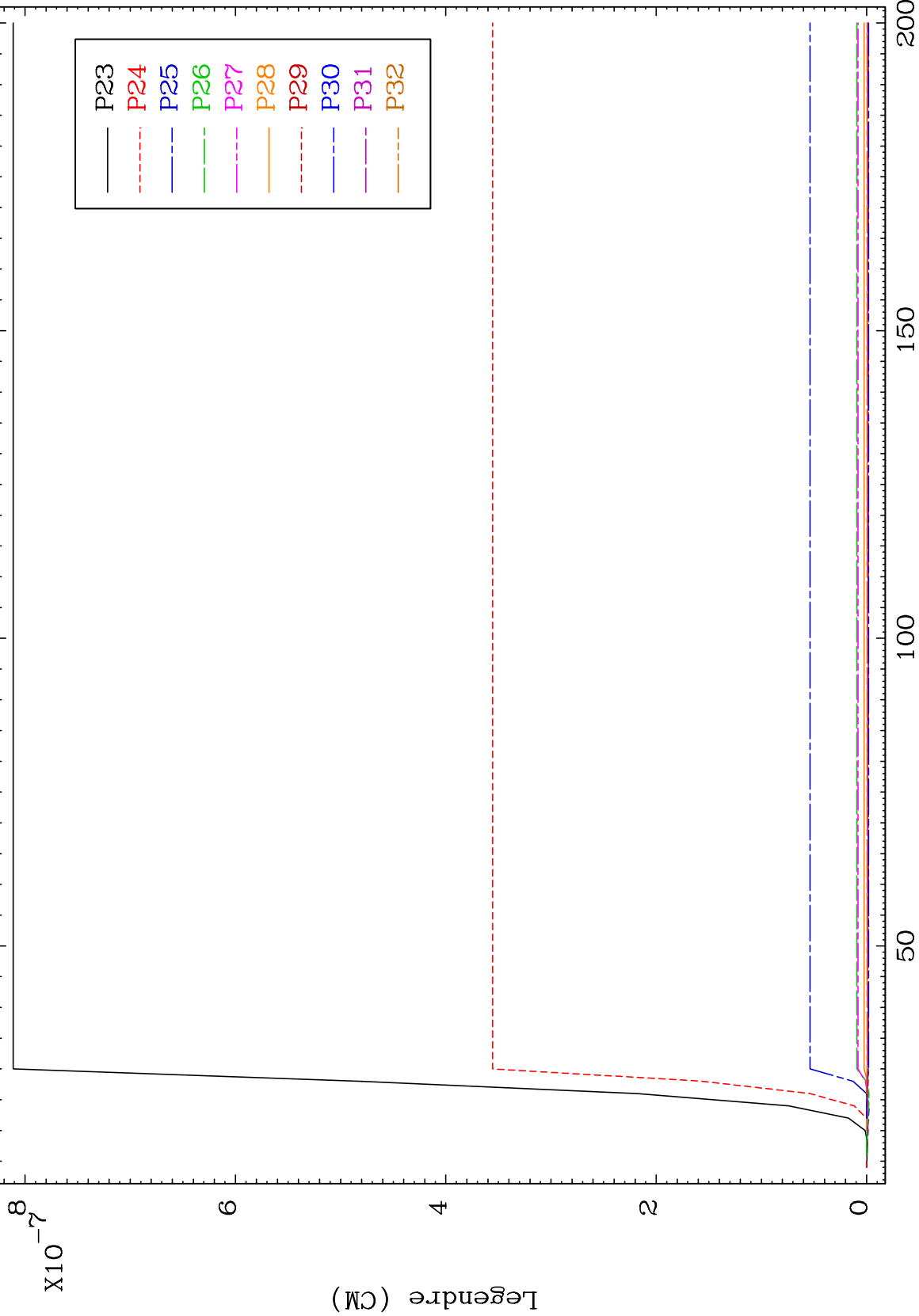
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



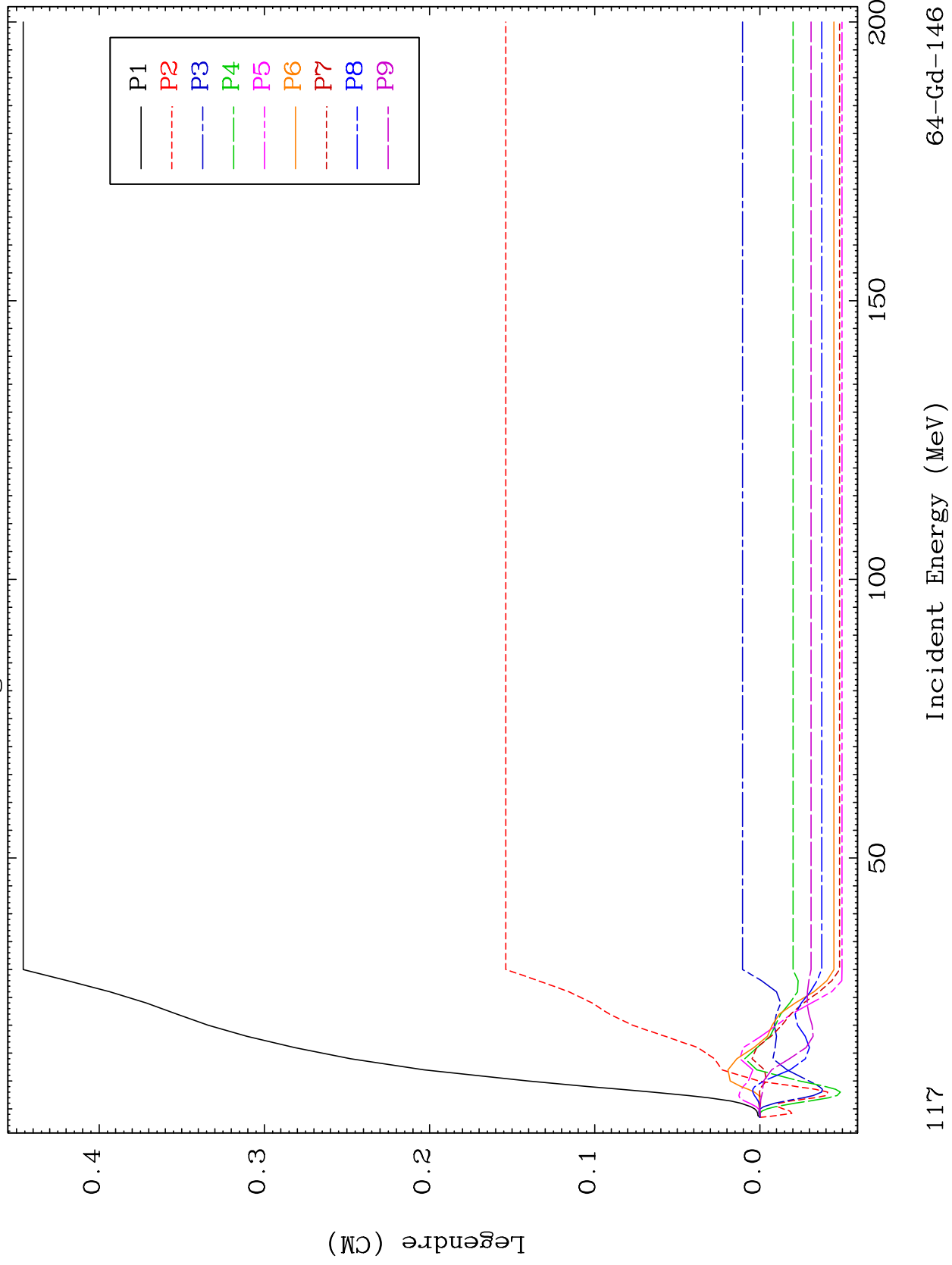
116

64-Gd-146

MAT 6407

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

64-Gd-146



117

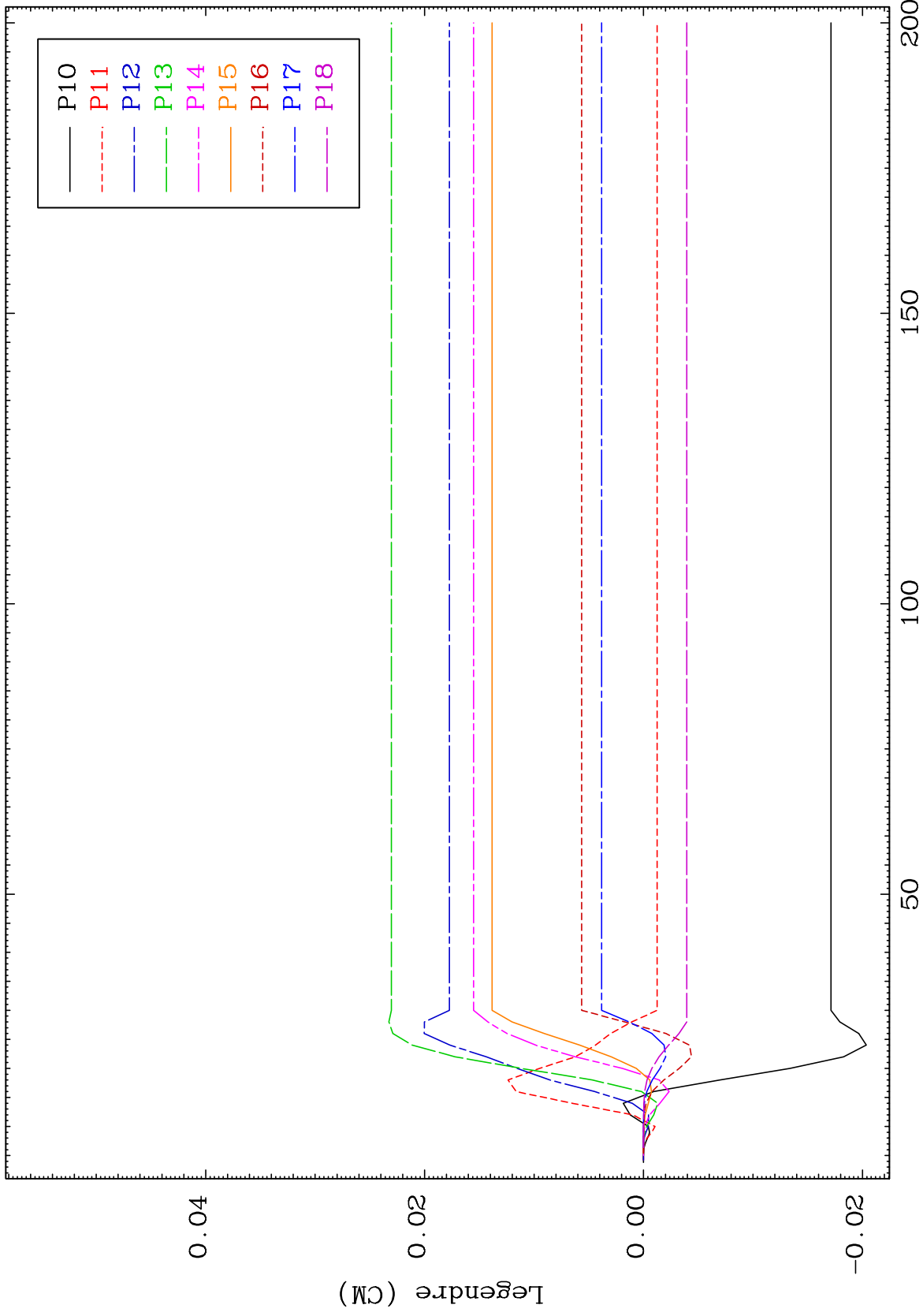
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



118

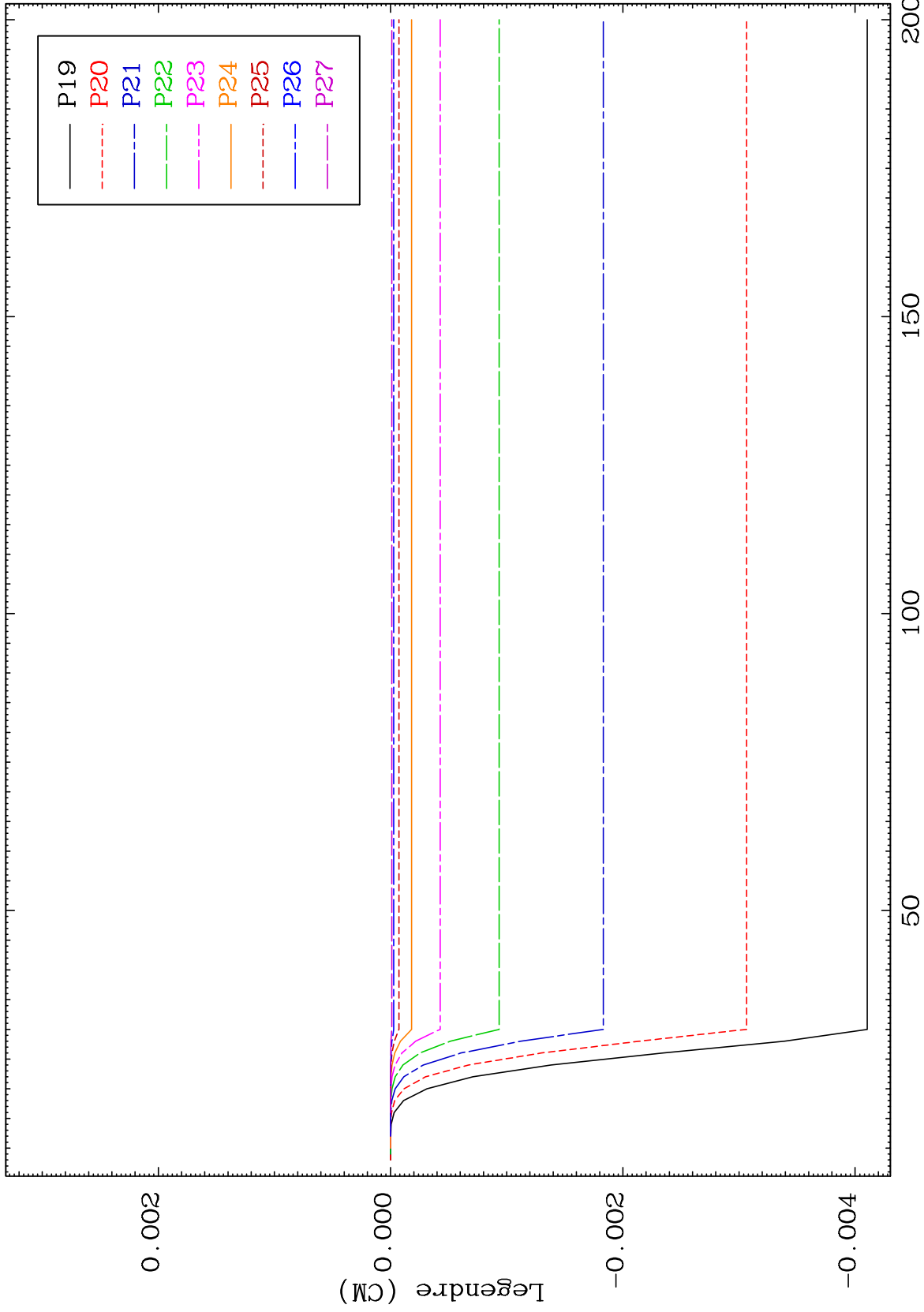
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146

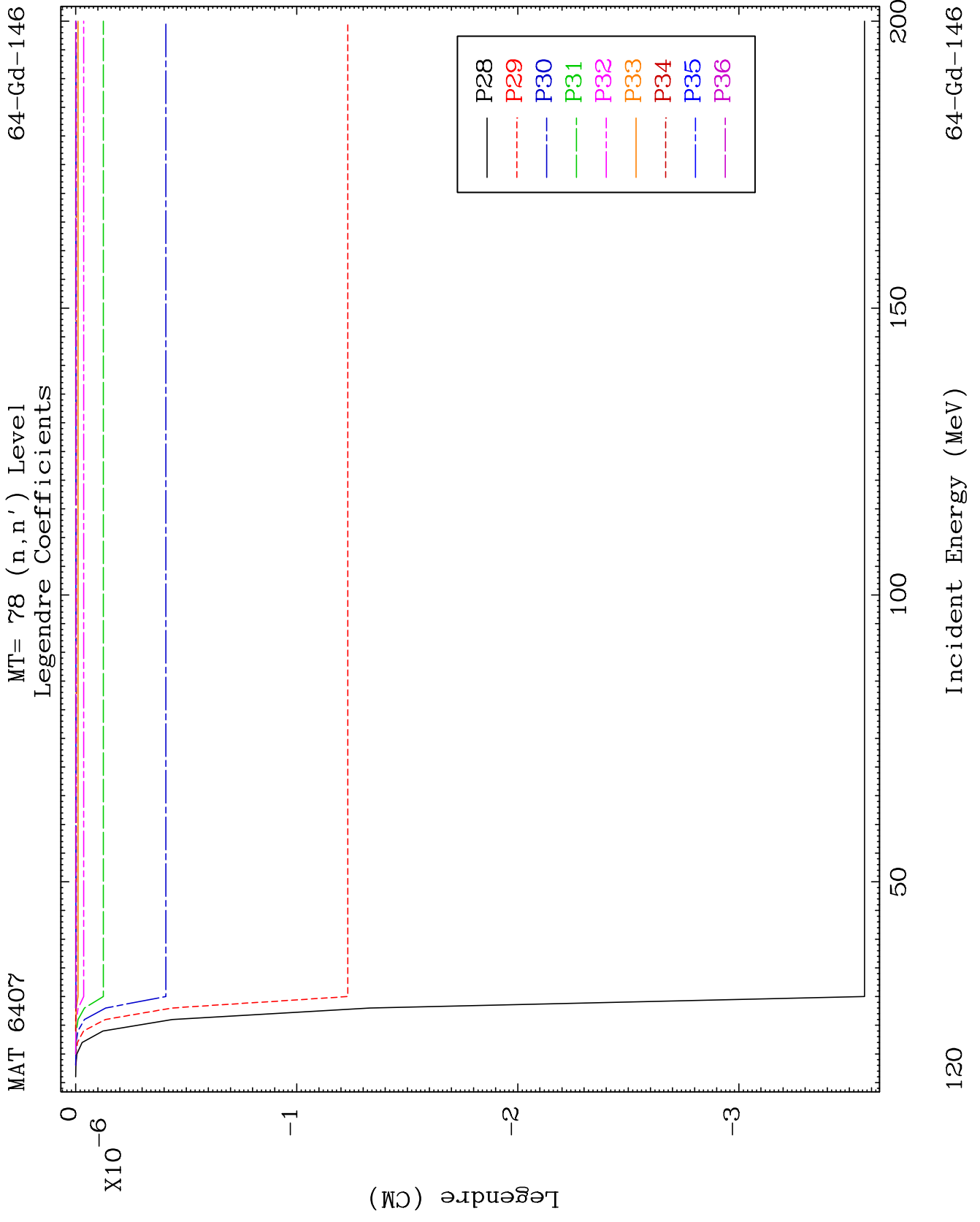


119

Incident Energy (MeV)

64-Gd-146

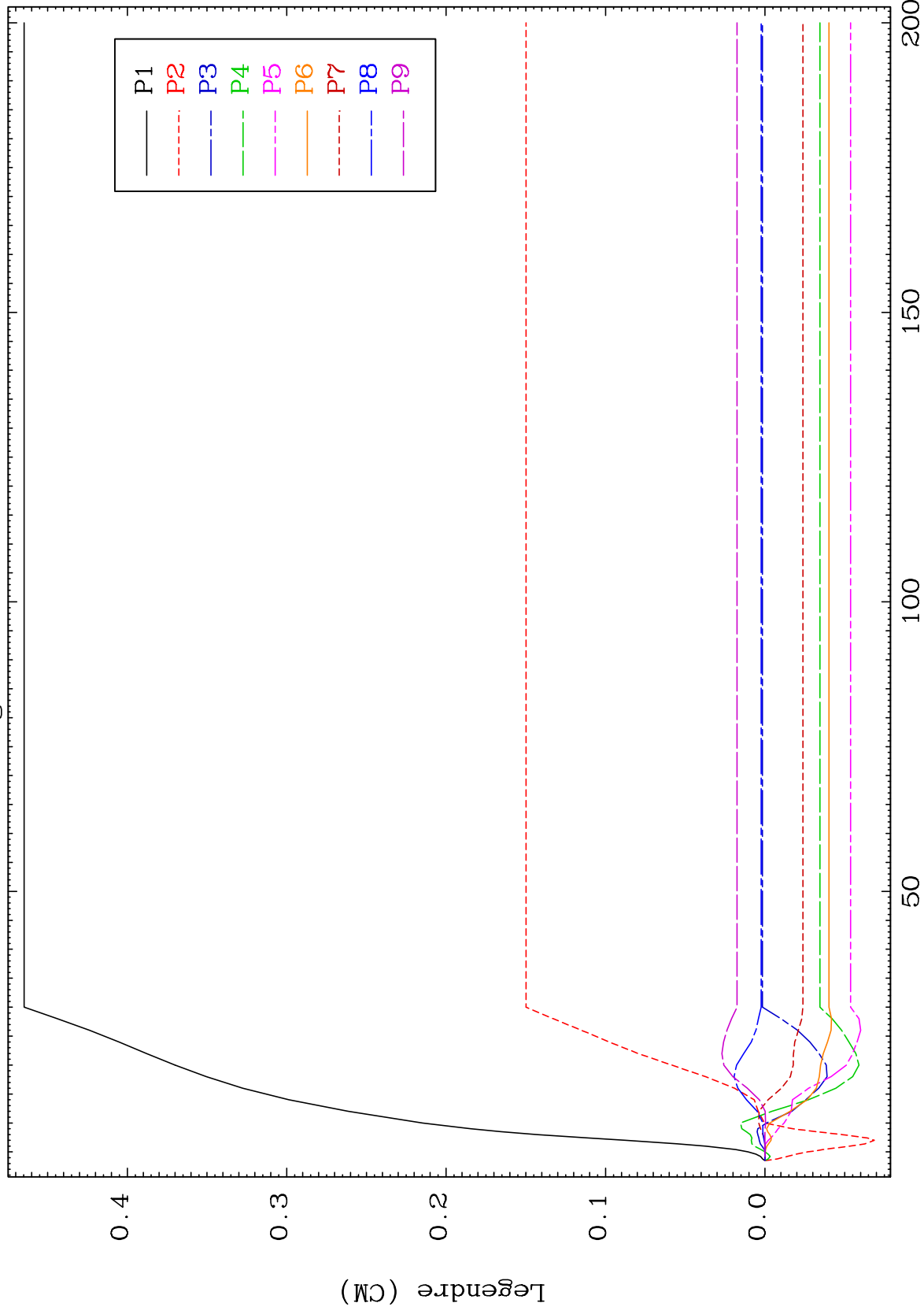




MAT 6407

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

64-Gd-146



121

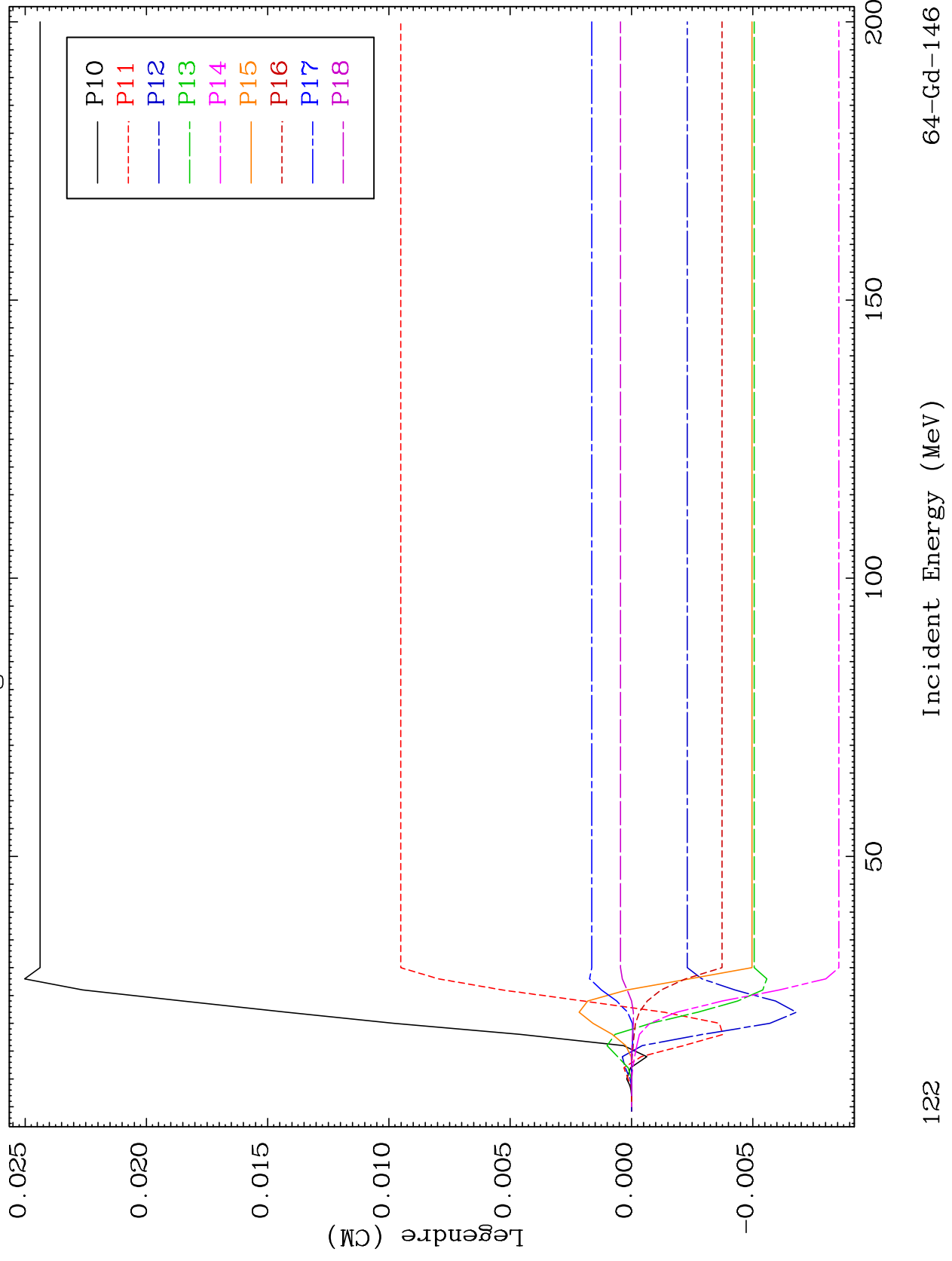
Incident Energy (MeV)

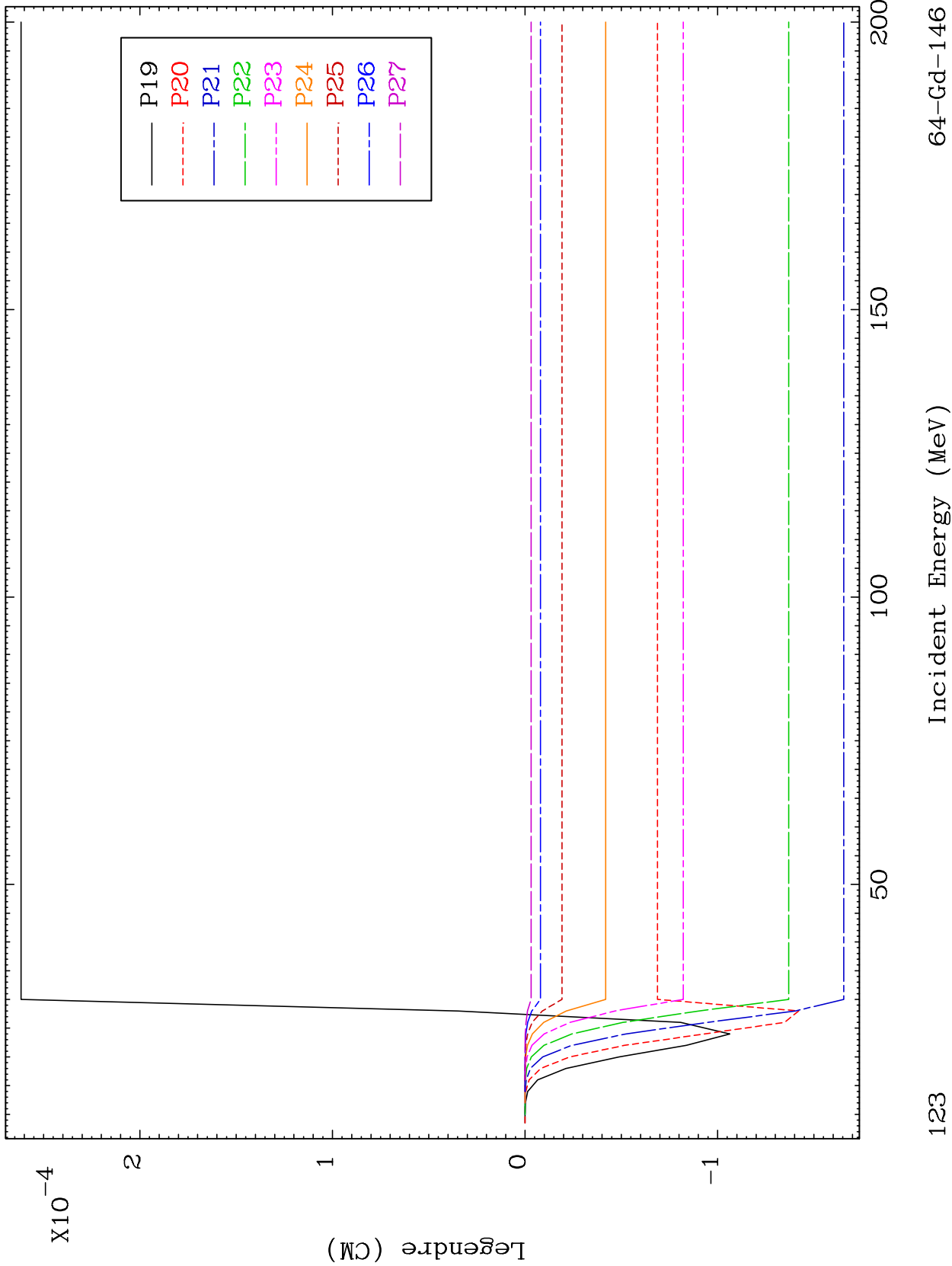
64-Gd-146

MAT 6407

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

64-Gd-146

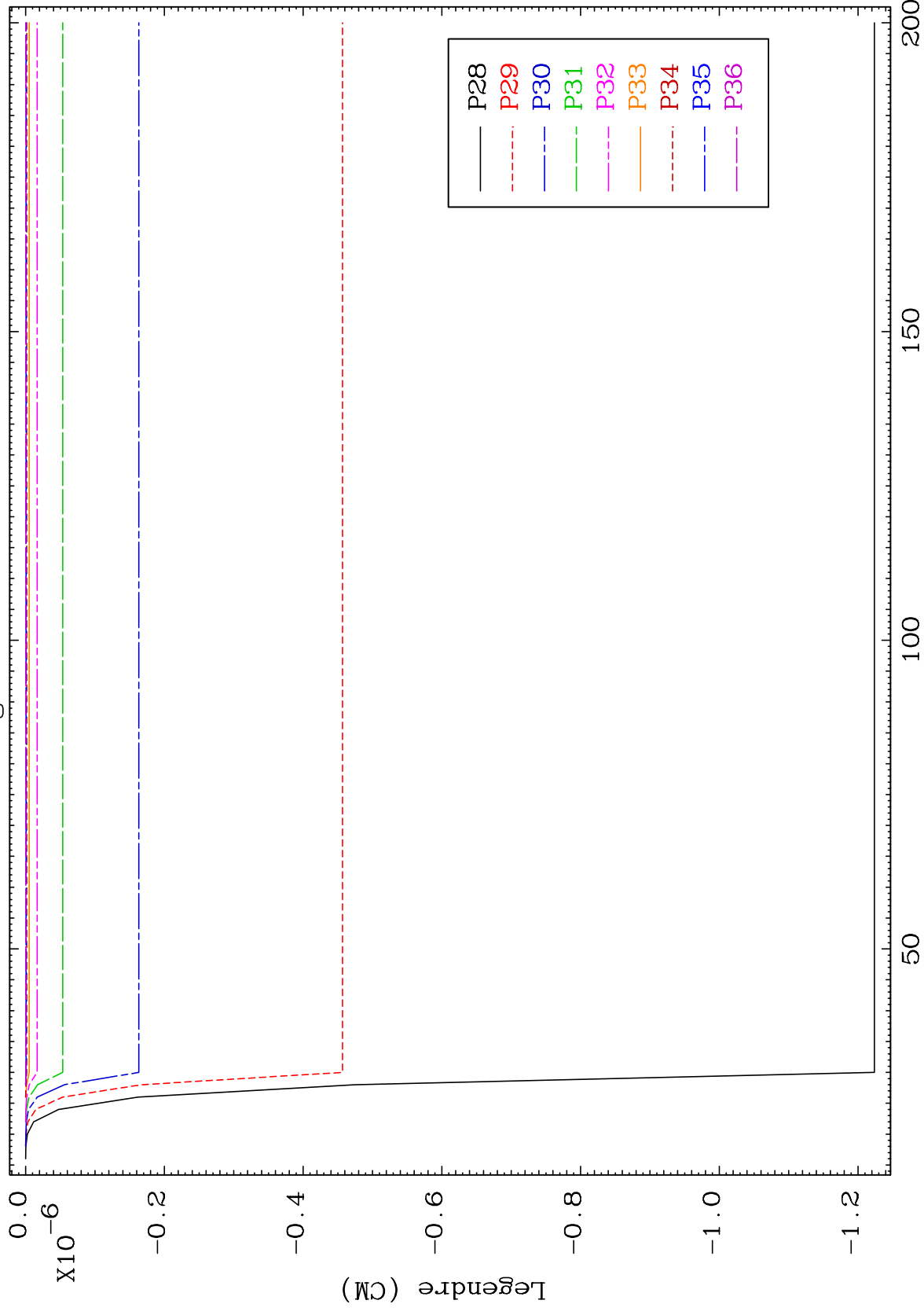




MAT 6407

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

64-Gd-146



124

Incident Energy (MeV)

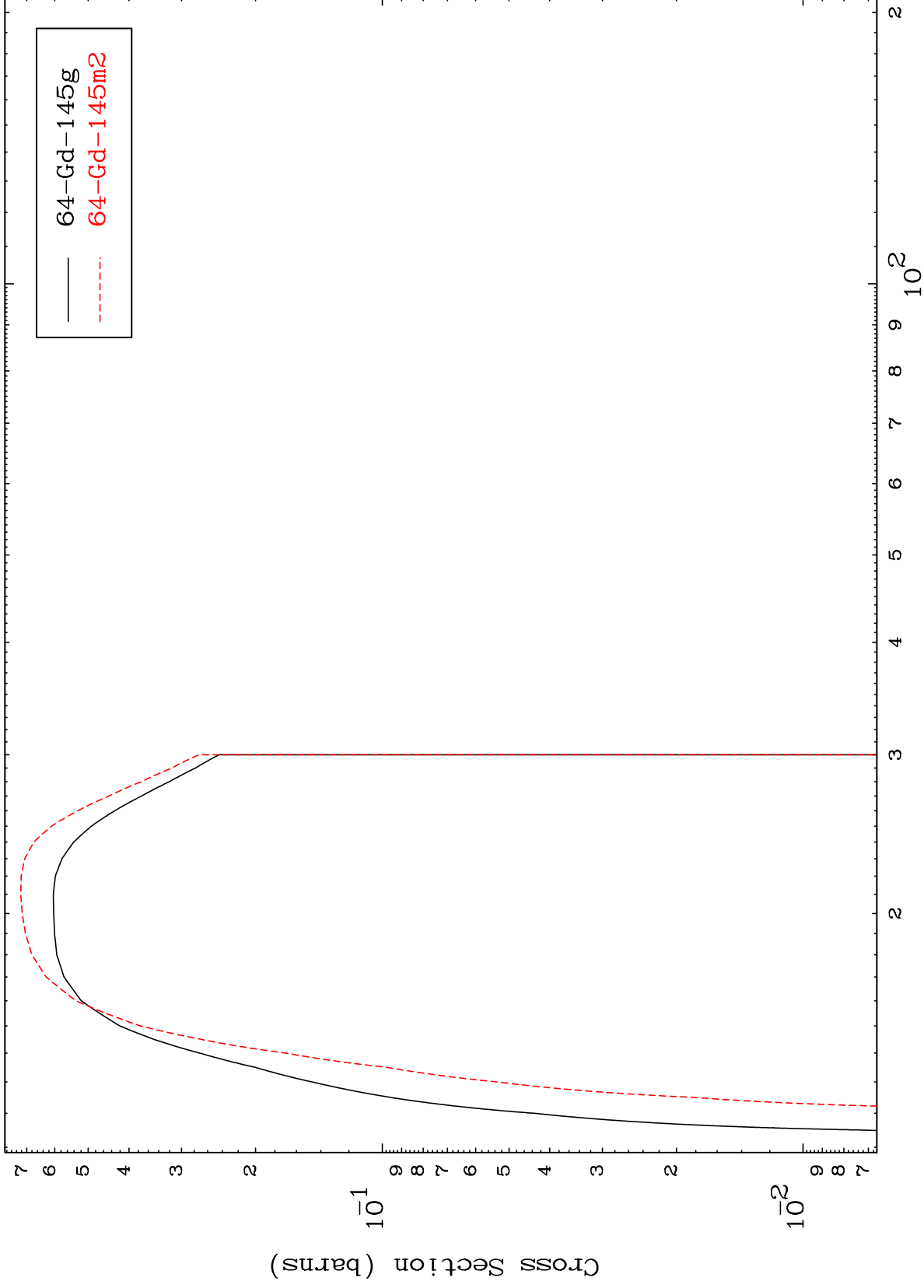
64-Gd-146

MAT 6407

(n,2n)

64-Gd-146

Radionuclide Production Cross Section



125

Incident Energy (MeV)

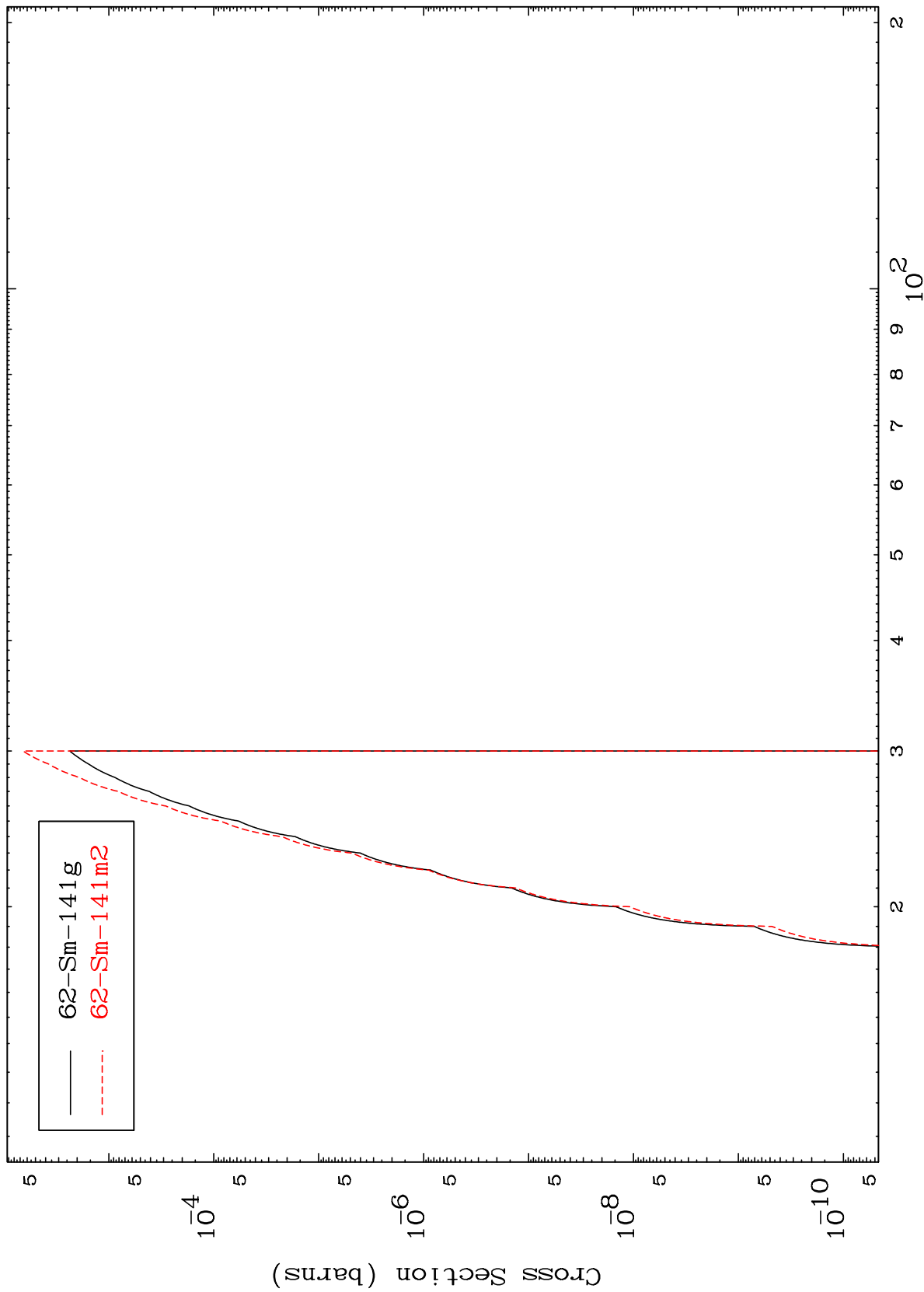
64-Gd-146

MAT 6407

(n,2n)  $\alpha$

64-Gd-146

Radionuclide Production Cross Section



126

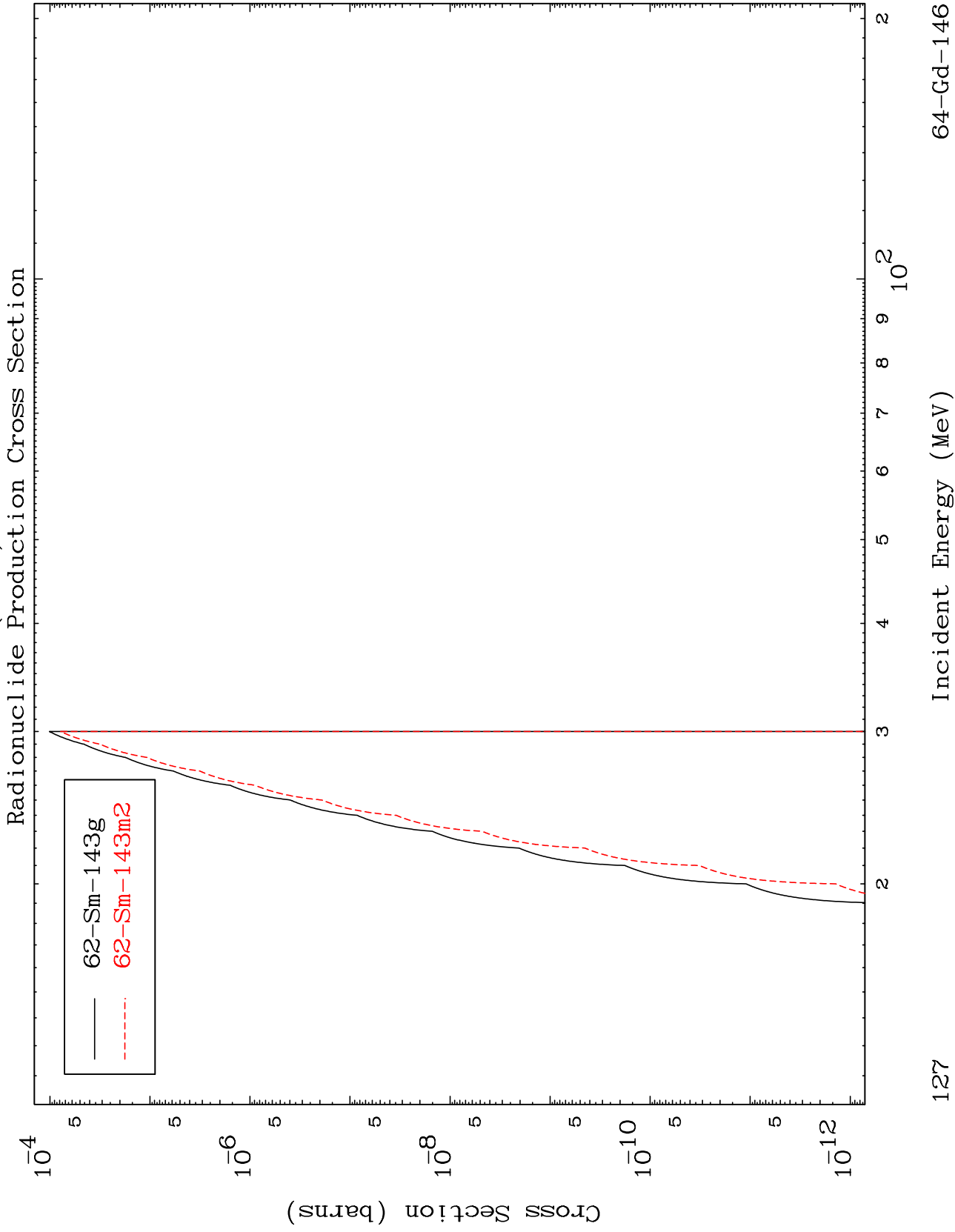
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,n') He-3

64-Gd-146



127

Incident Energy (MeV)

64-Gd-146

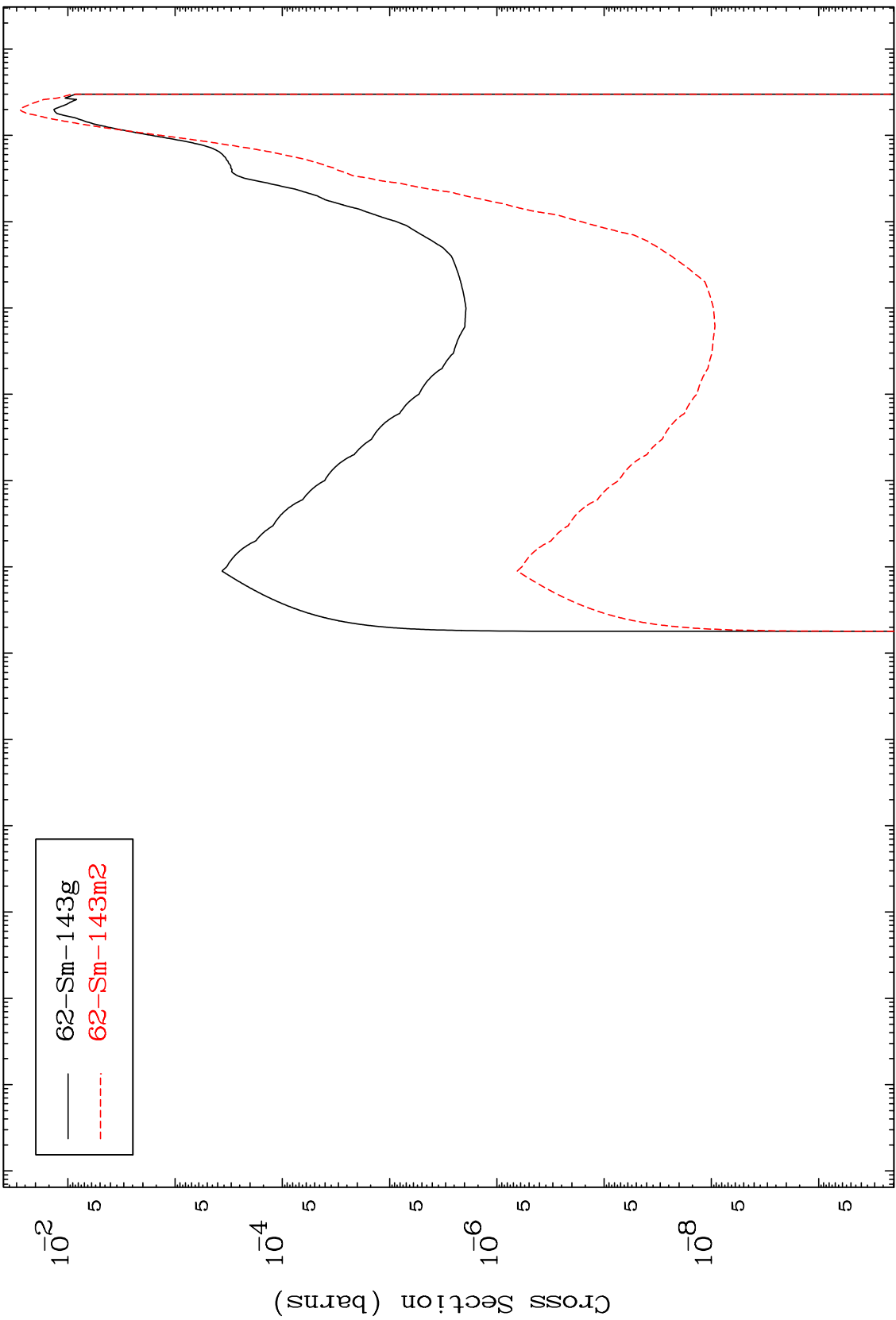
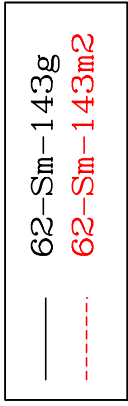


MAT 6407

(n,  $\alpha$ )

64-Gd-146

Radionuclide Production Cross Section



10<sup>-2</sup>  
5  
5  
10<sup>-4</sup>  
5  
5  
10<sup>-6</sup>  
5  
5  
10<sup>-8</sup>  
5  
5  
10<sup>-10</sup>  
10<sup>-8</sup>  
10<sup>-6</sup>  
10<sup>-4</sup>  
10<sup>-2</sup>  
10<sup>0</sup>  
10<sup>2</sup>

128

Incident Energy (MeV)

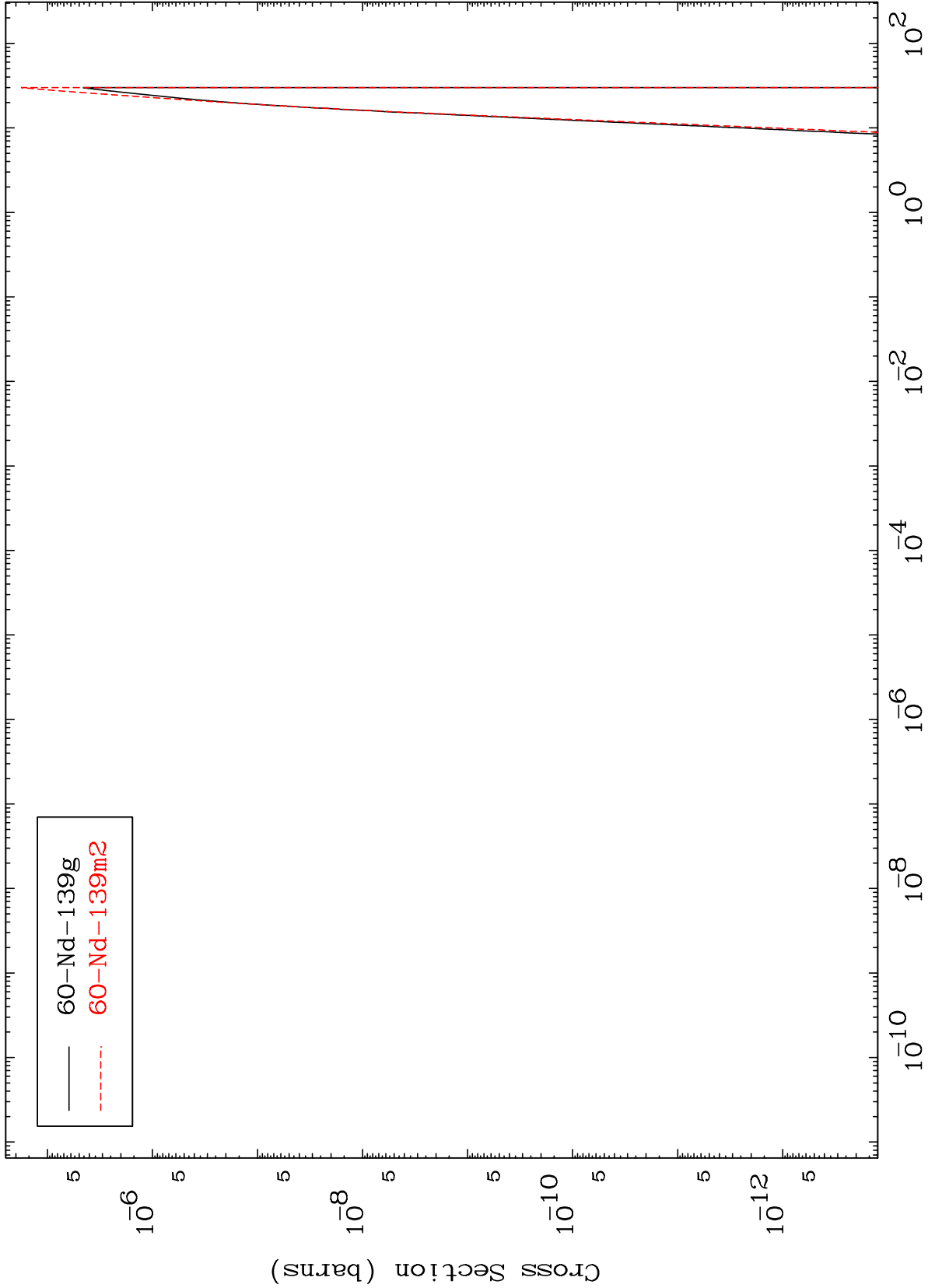
64-Gd-146

MAT 6407

(n,2α)

64-Gd-146

Radionuclide Production Cross Section



MAT 6407

(n,p) t

64-Gd-146

