

Program EVALPLOT  
(Version 2021-1)

by

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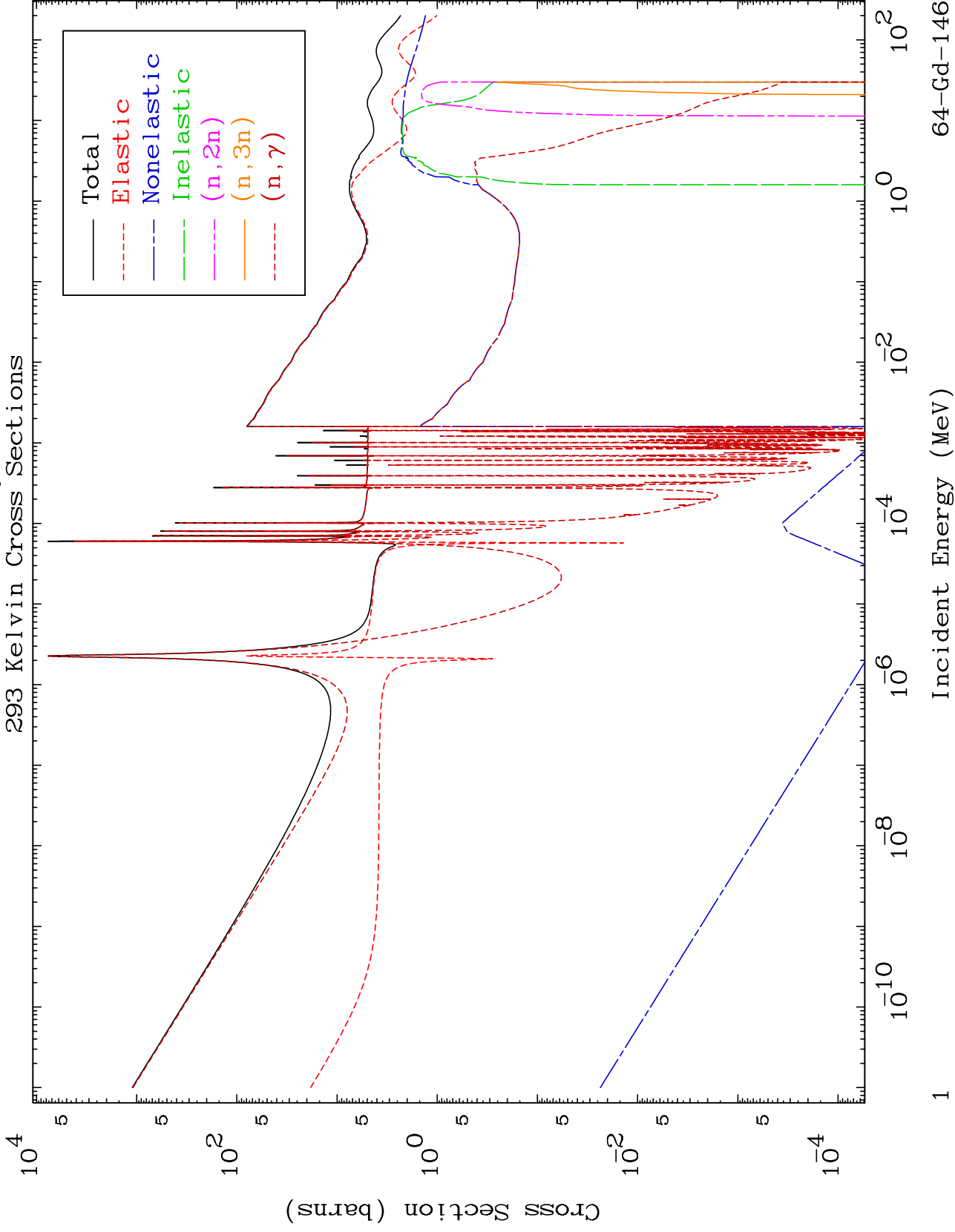
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Press Mouse Button to Start

MAT 6407

Neutron Major  
293 Kelvin Cross Sections

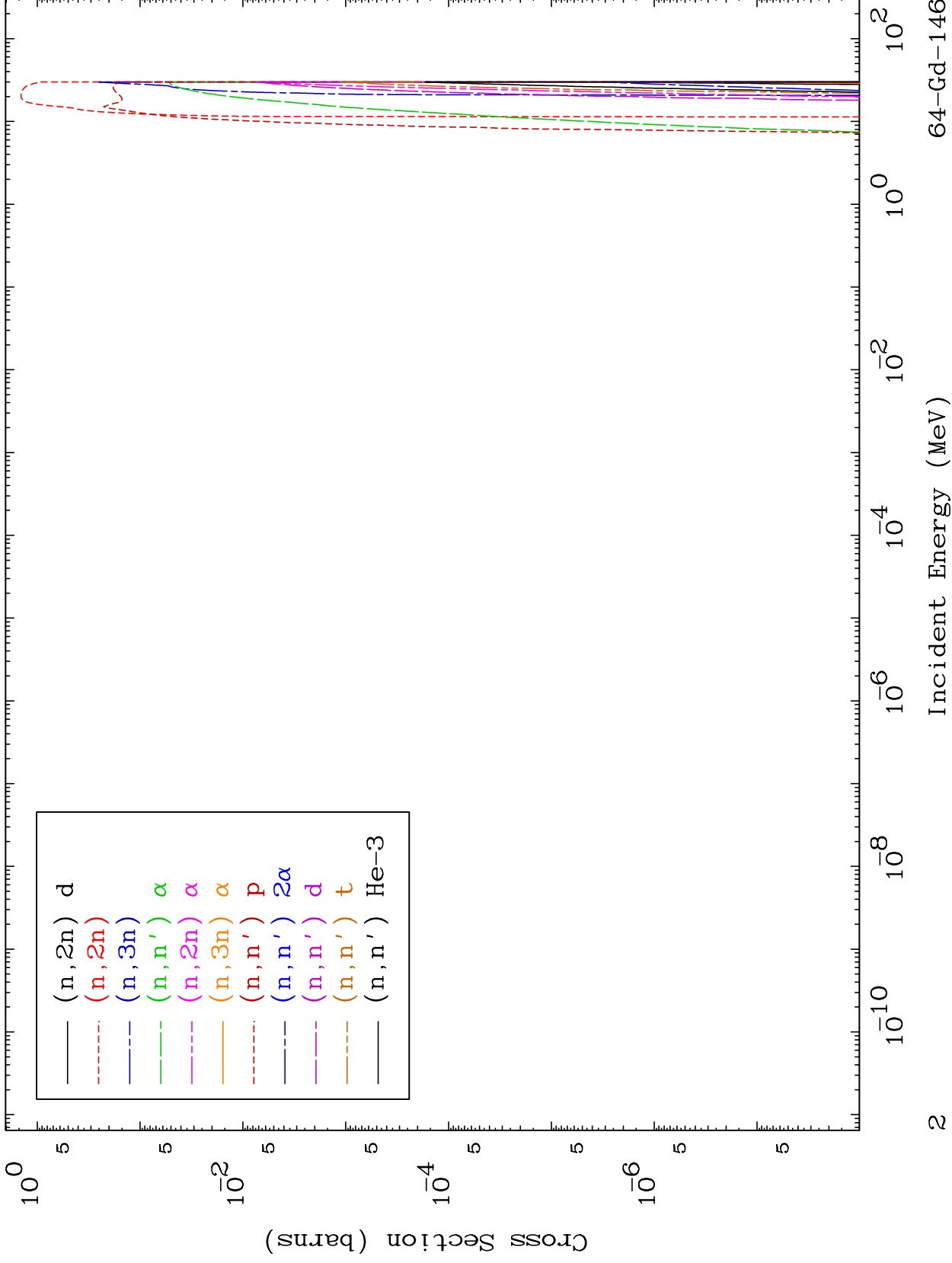
64-Gd-146



MAT 6407

Neutron Absorption  
293 Kelvin Cross Sections

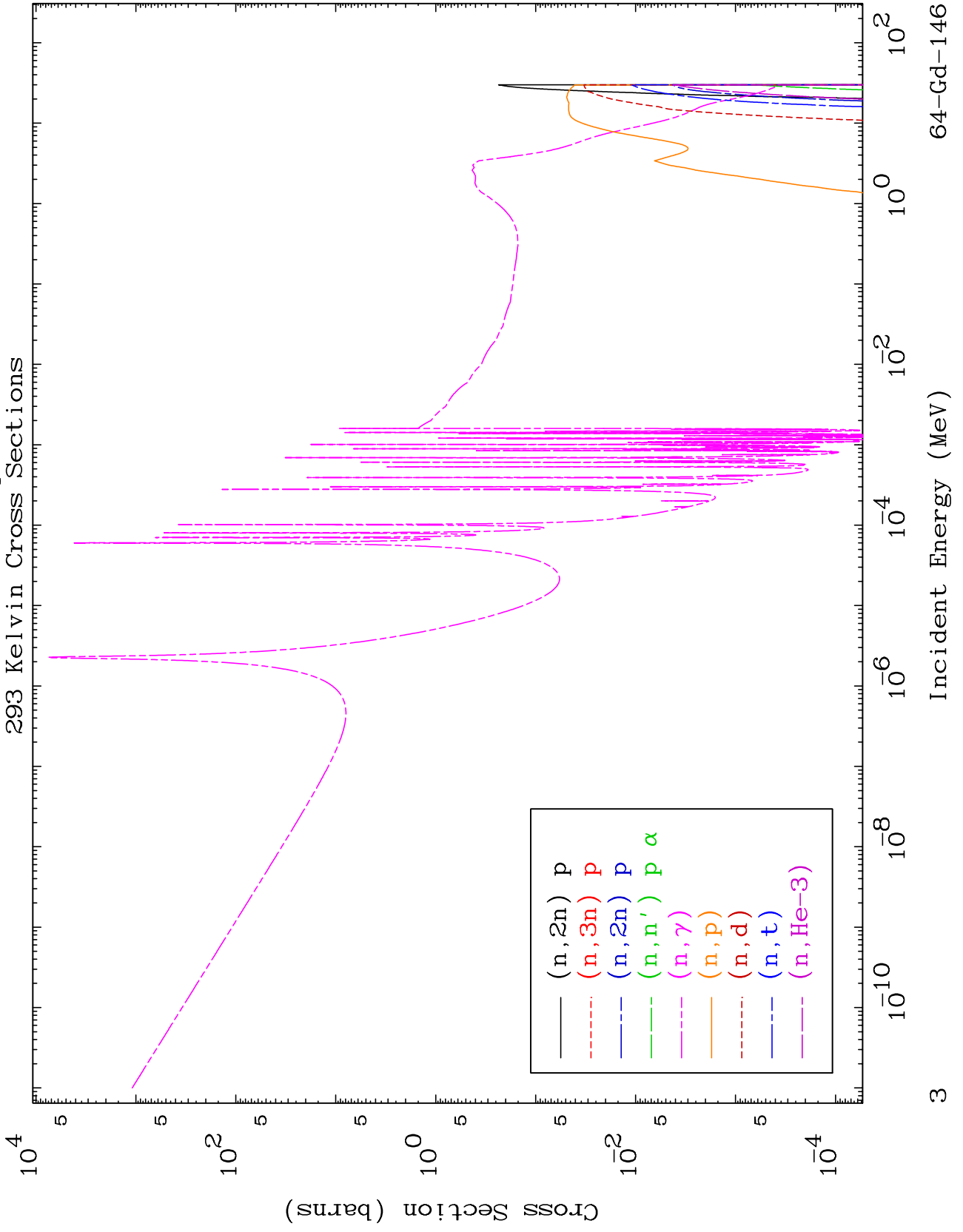
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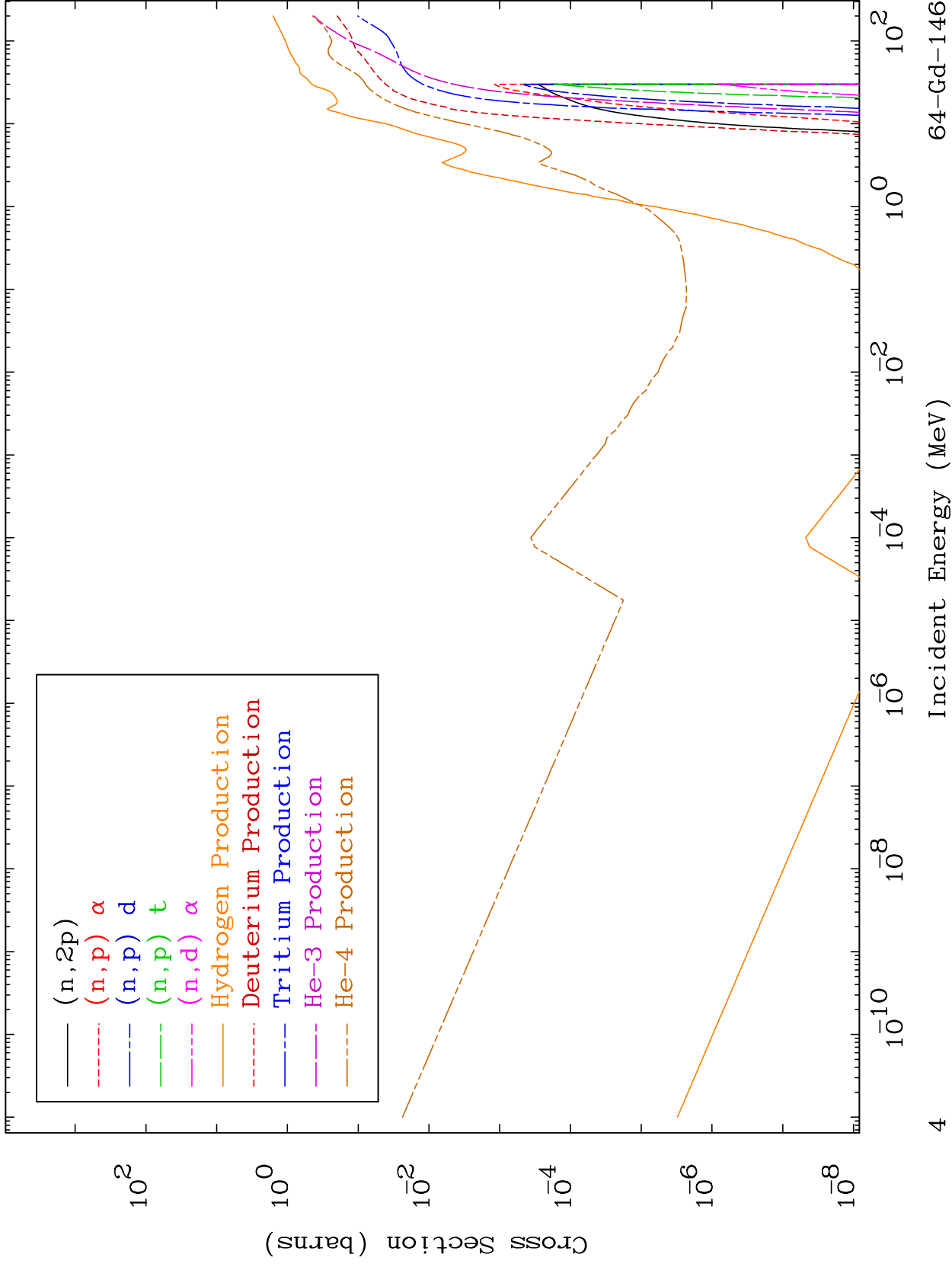


MAT 6407

Neutron Absorption  
293 Kelvin Cross Sections

64-Gd-146

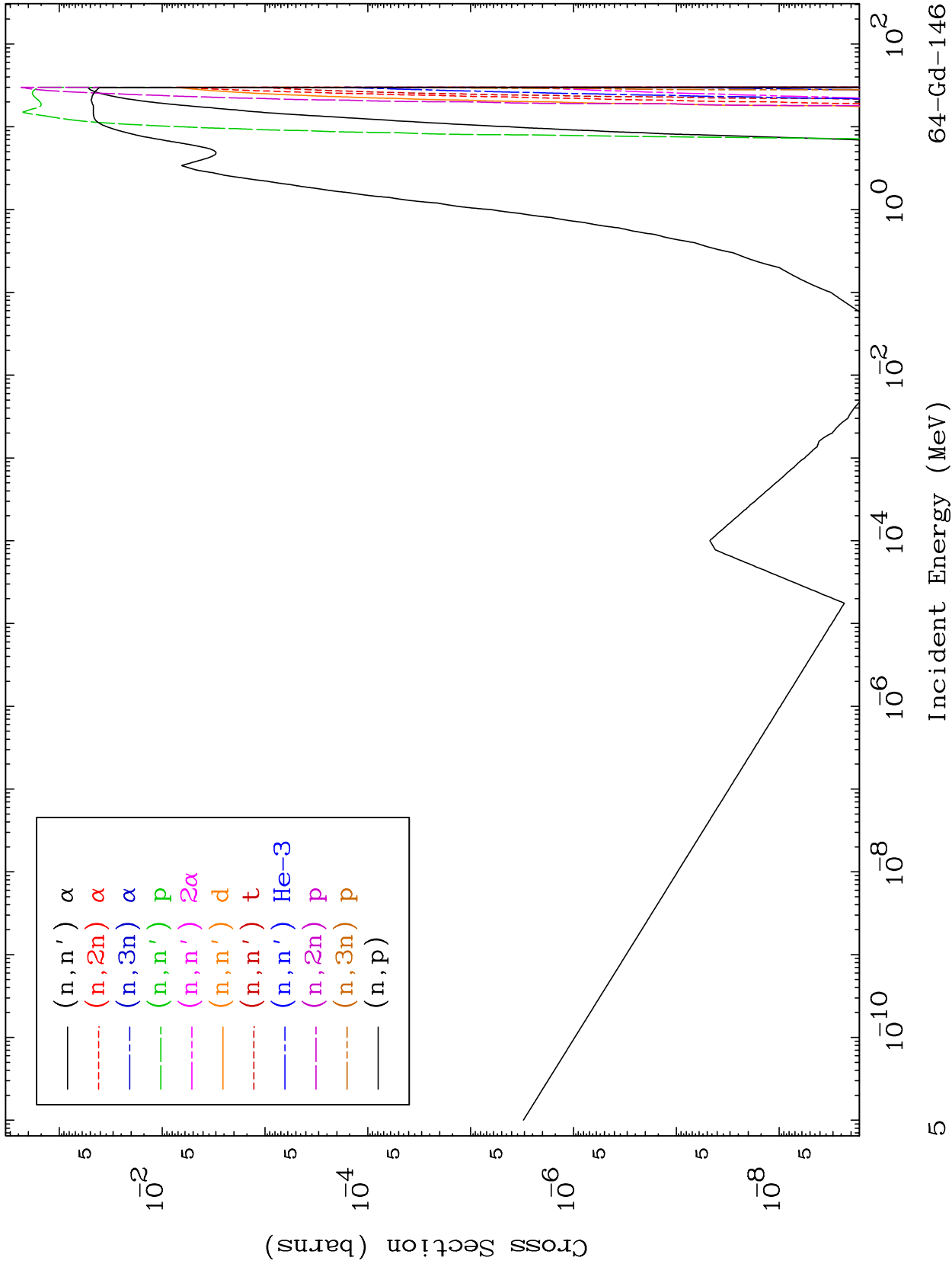




MAT 6407

Charged Particle  
293 Kelvin Cross Sections

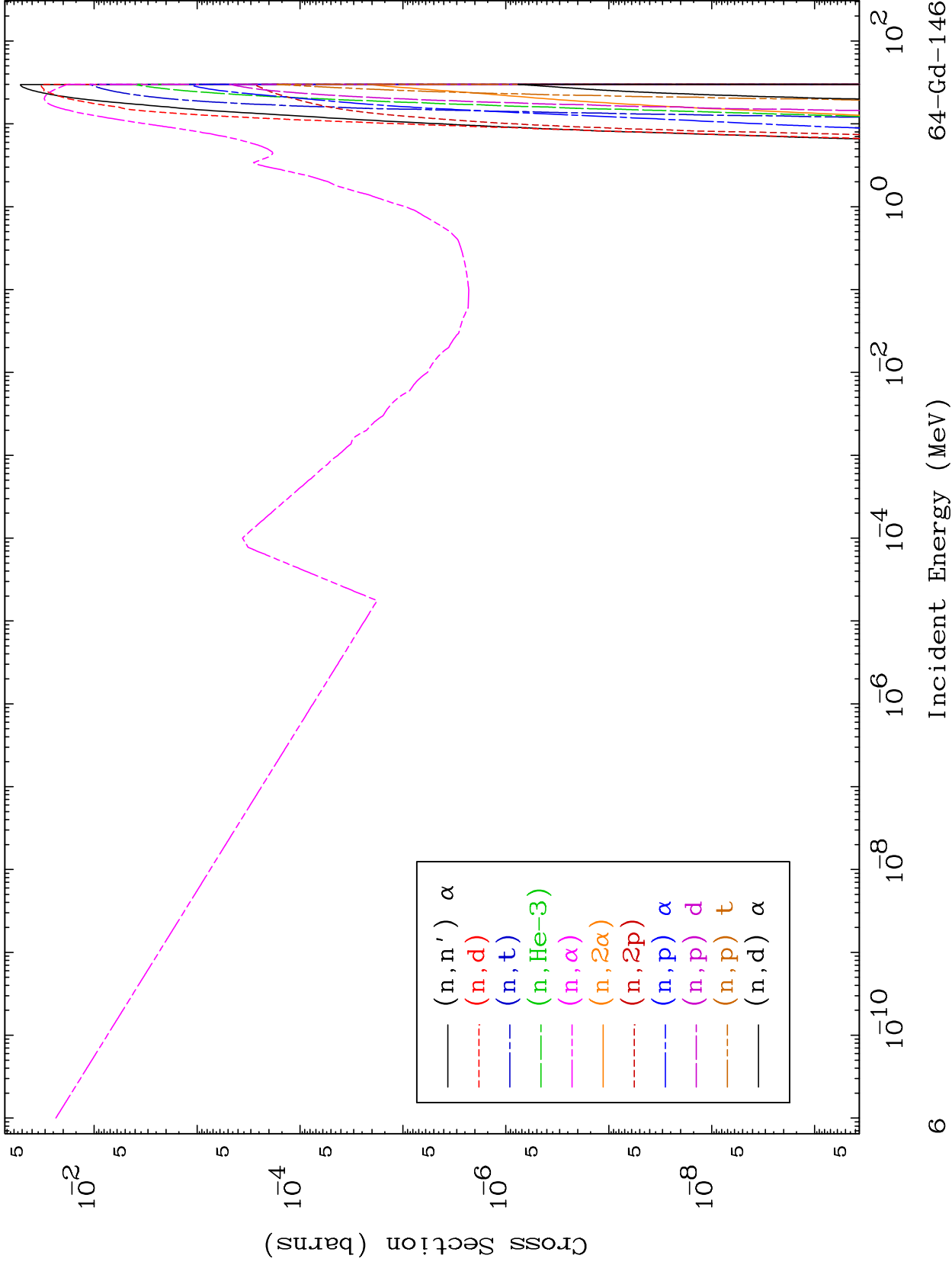
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MAT 6407

Charged Particle  
293 Kelvin Cross Sections

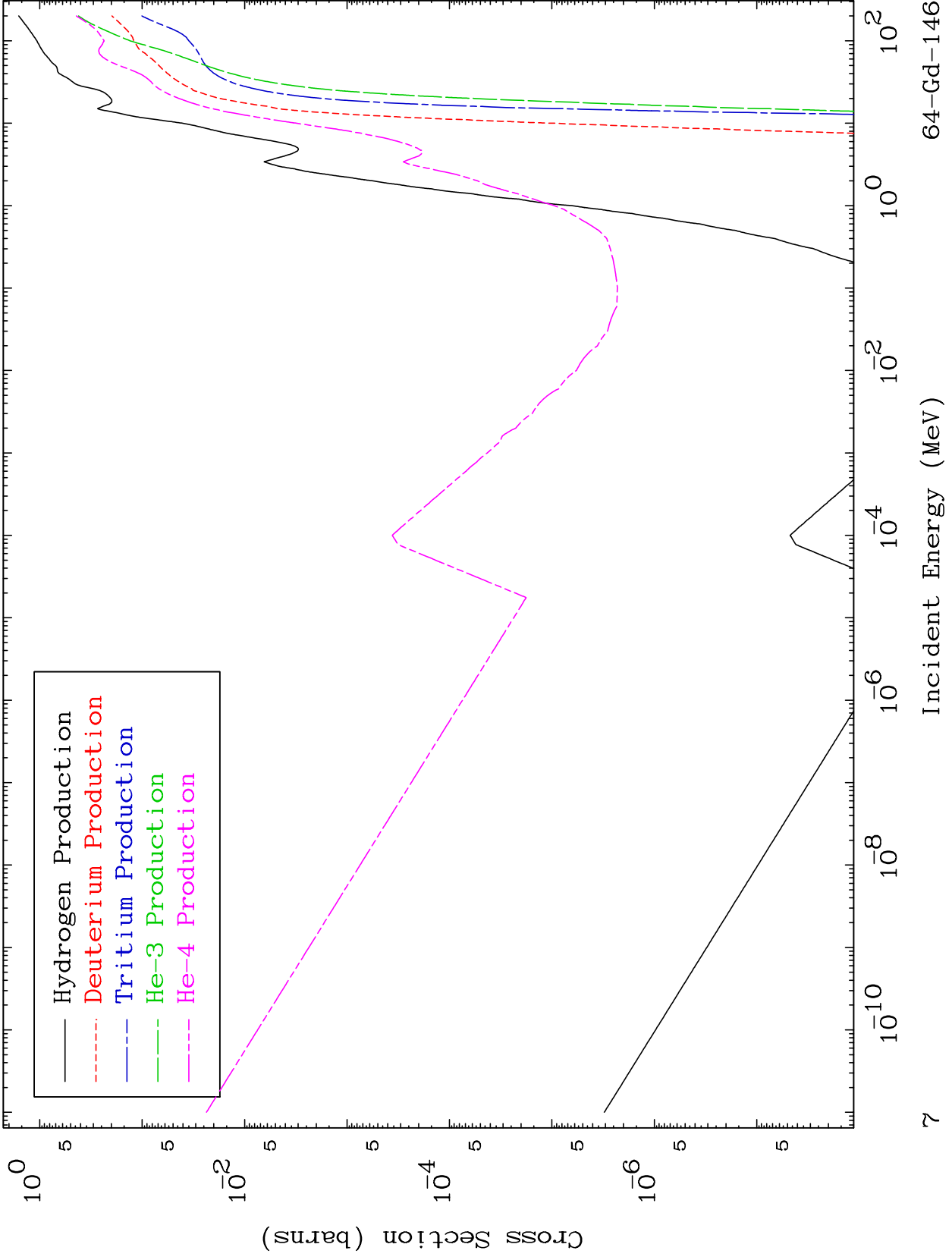
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MAT 6407

Particle Production  
293 Kelvin Cross Sections

64-Gd-146

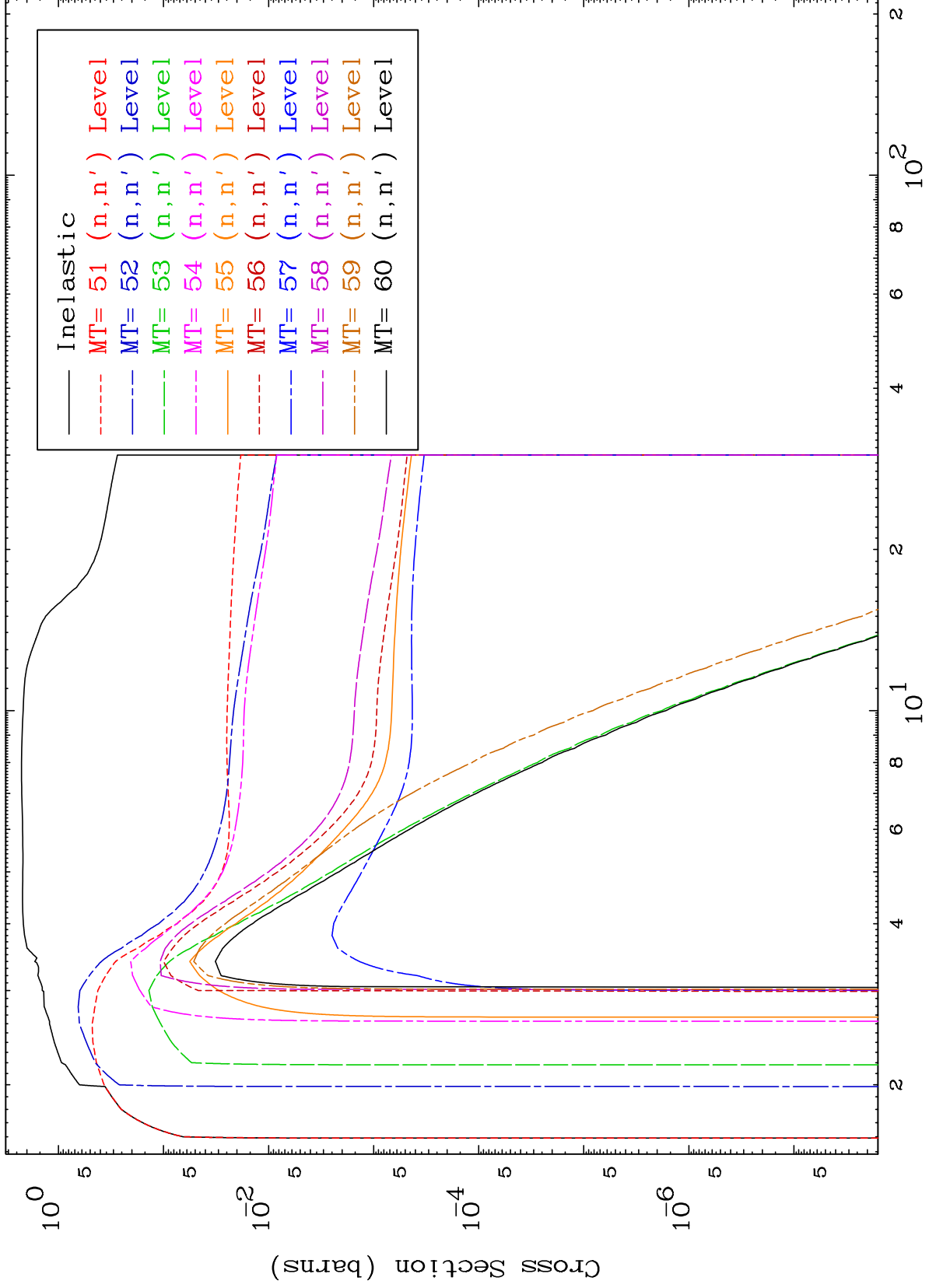


MAT 6407

(n,n') Levels

64-Gd-146

293 Kelvin Cross Sections



8

Incident Energy (MeV)

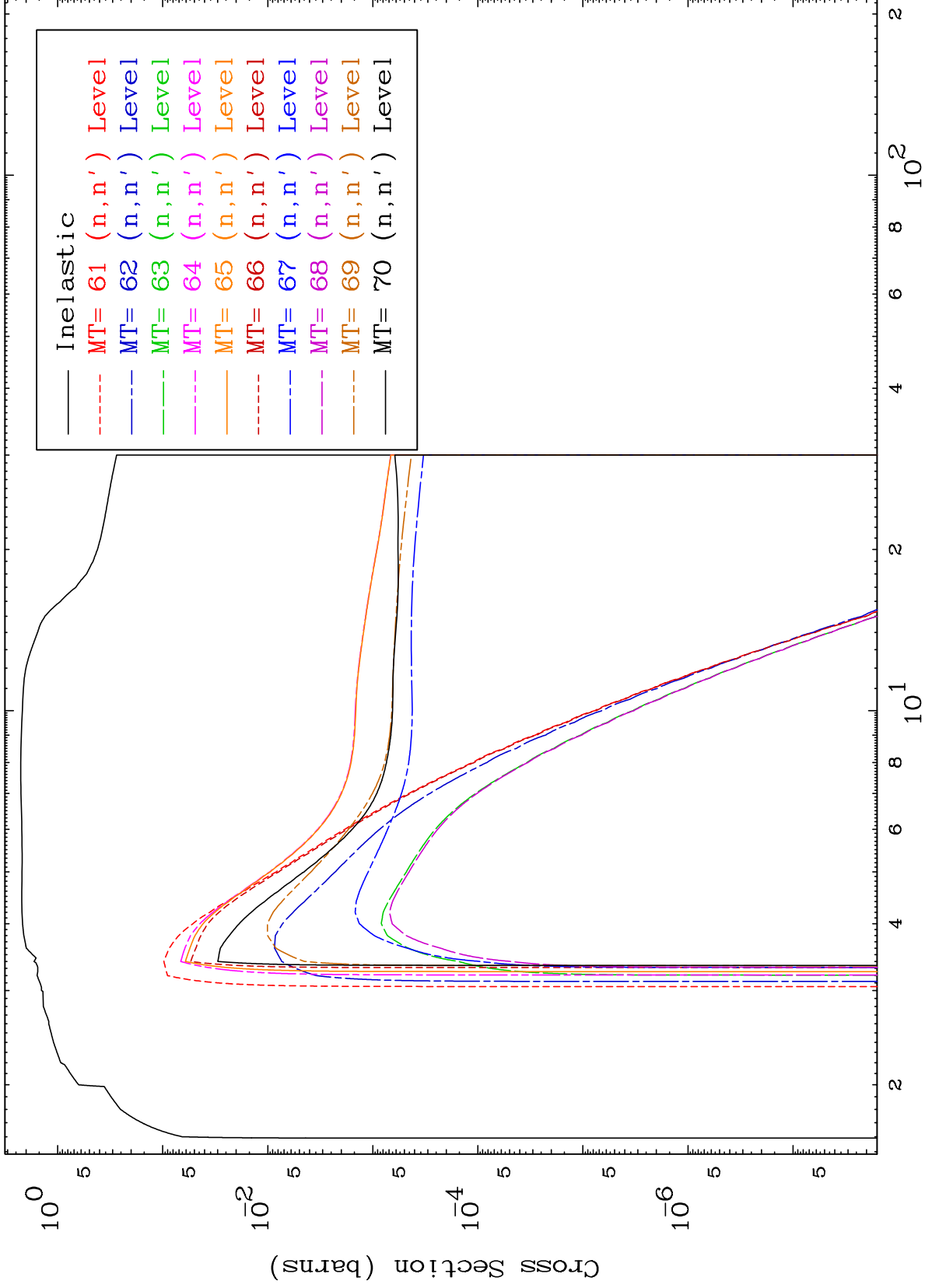
64-Gd-146

MAT 6407

(n,n') Levels

64-Gd-146

293 Kelvin Cross Sections



9

Incident Energy (MeV)

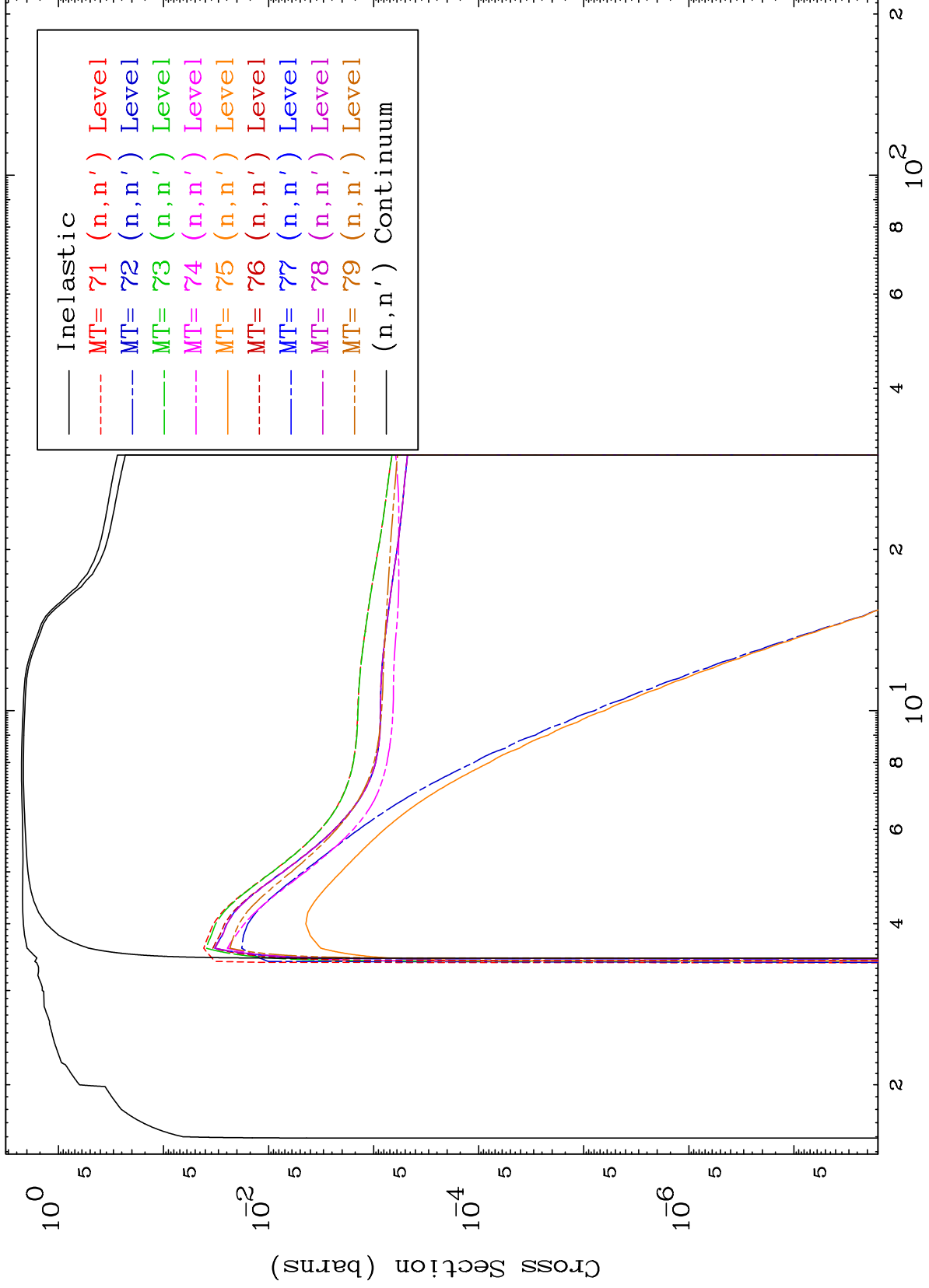
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MAT 6407

(n,n') Levels

64-Gd-146

293 Kelvin Cross Sections



10

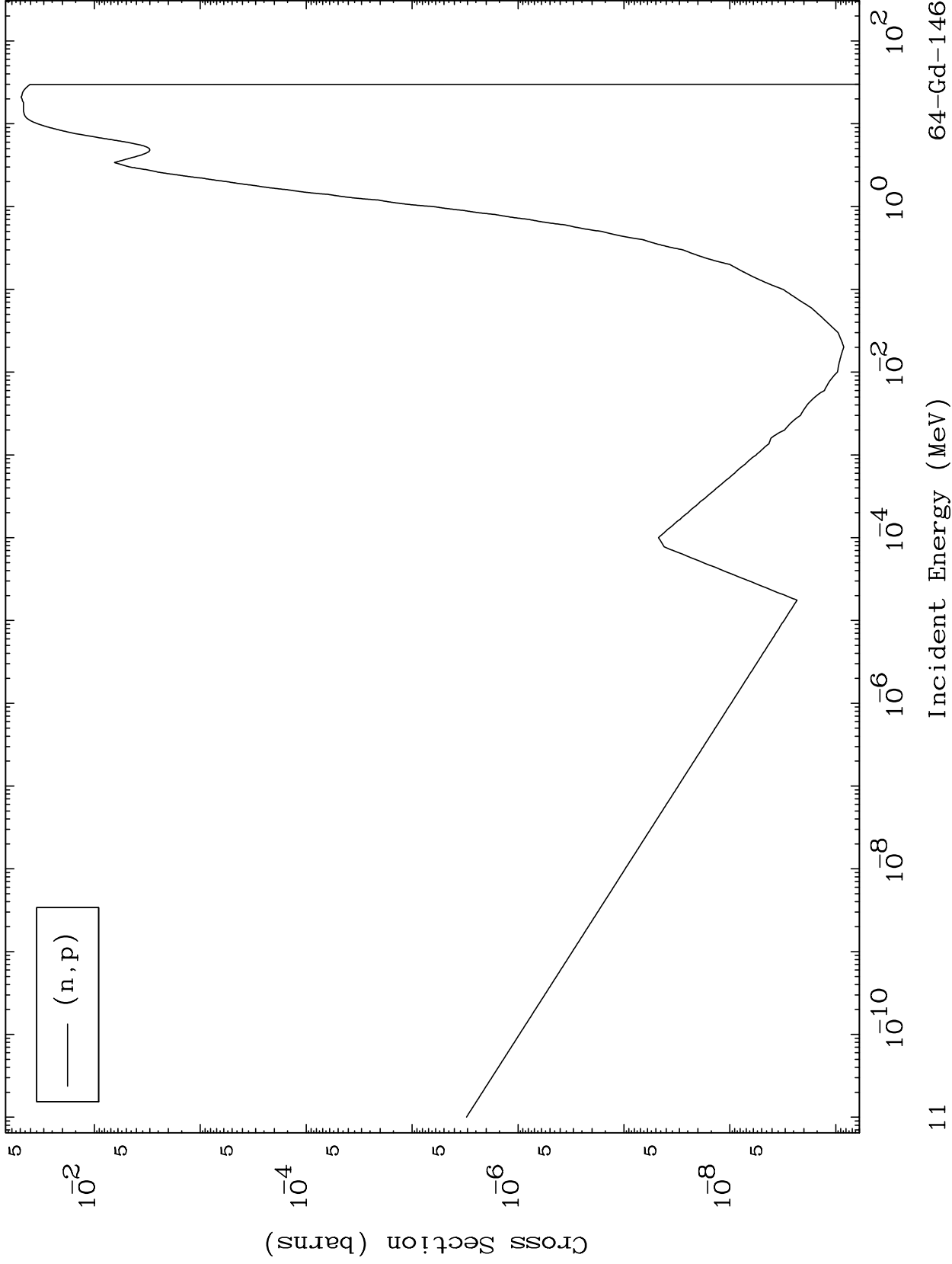
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,p) Levels  
293 Kelvin Cross Sections

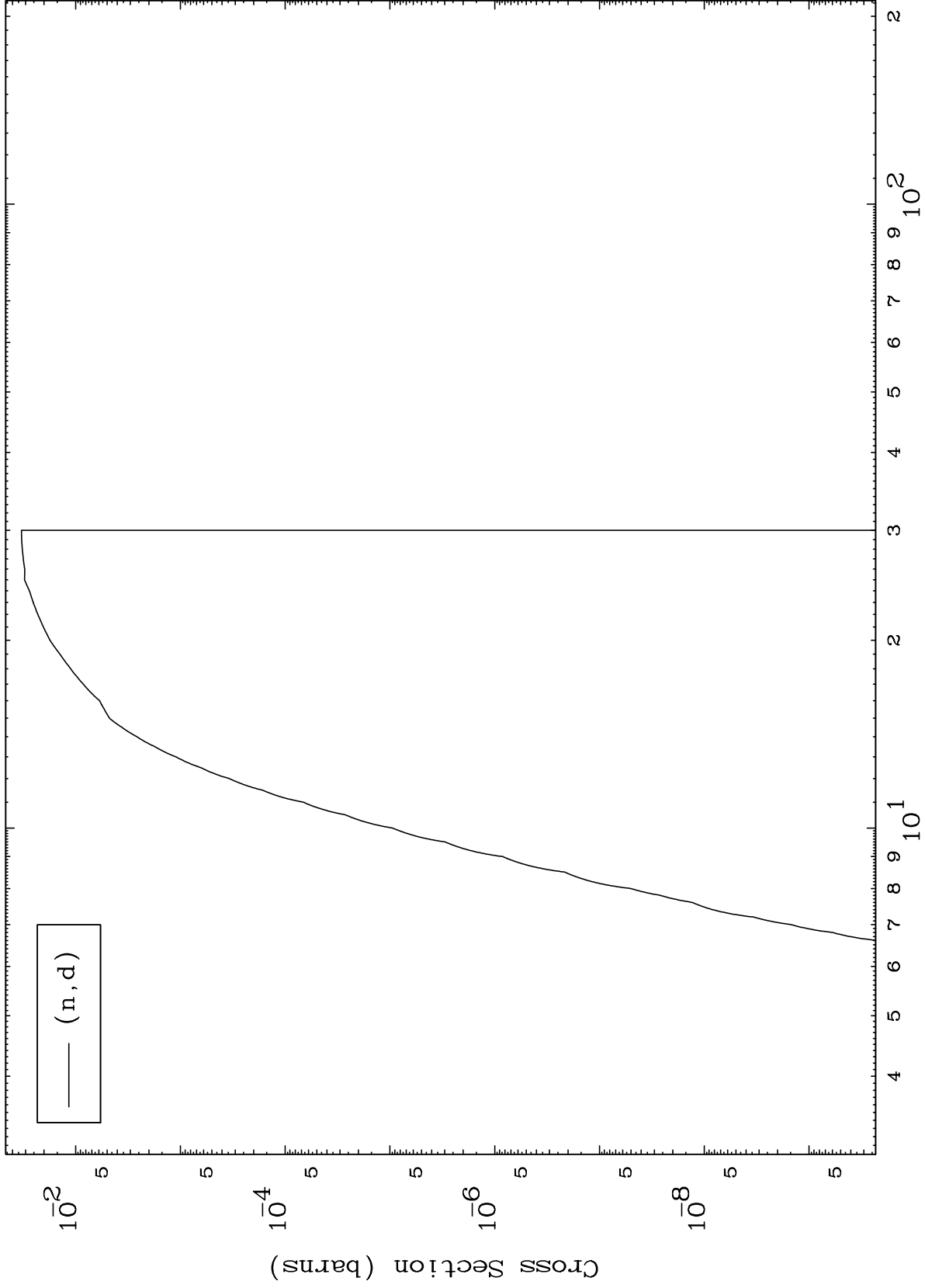
64-Gd-146



MAT 6407

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-146



12

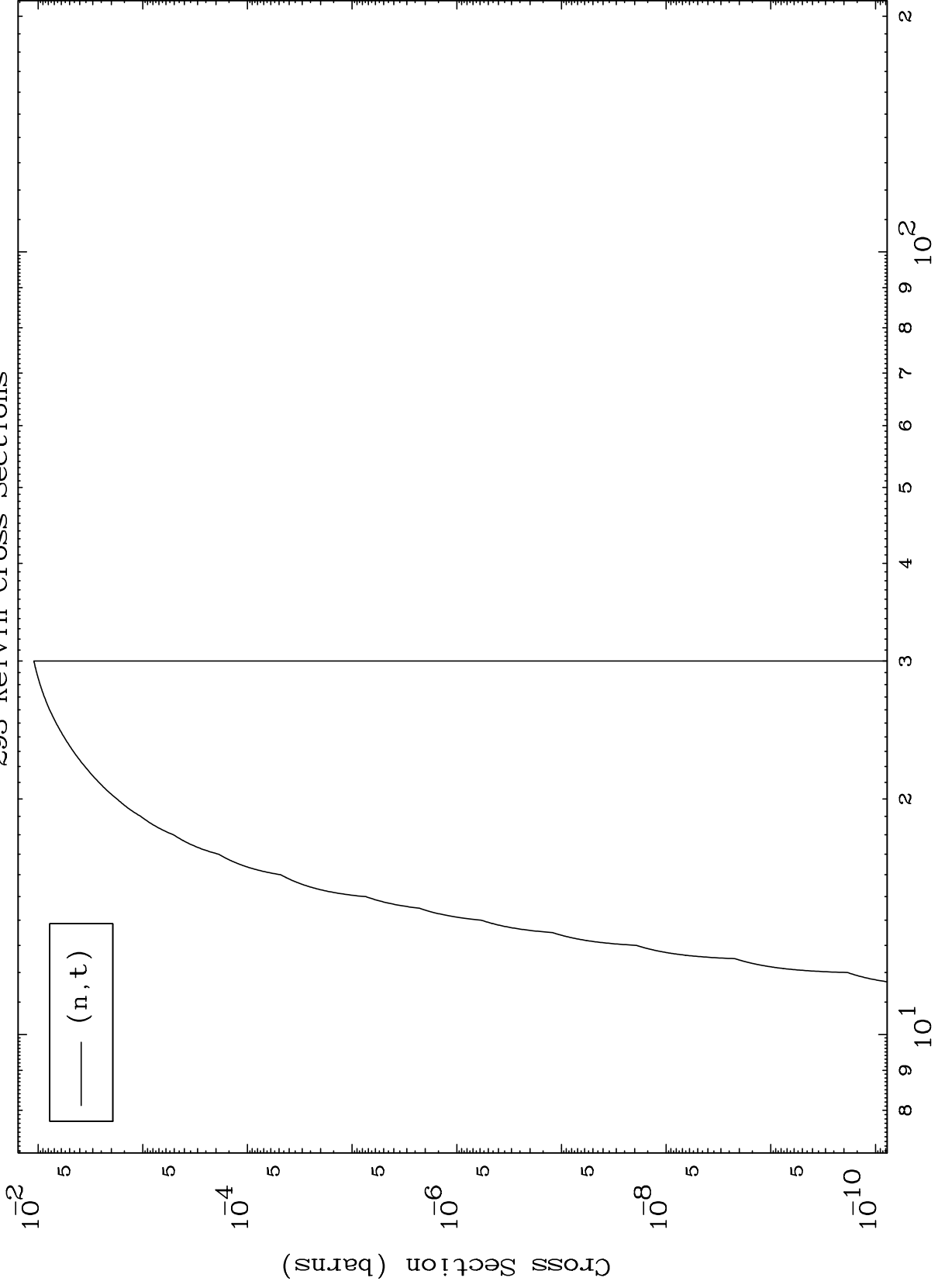
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,t) Levels  
293 Kelvin Cross Sections

64-Gd-146



13

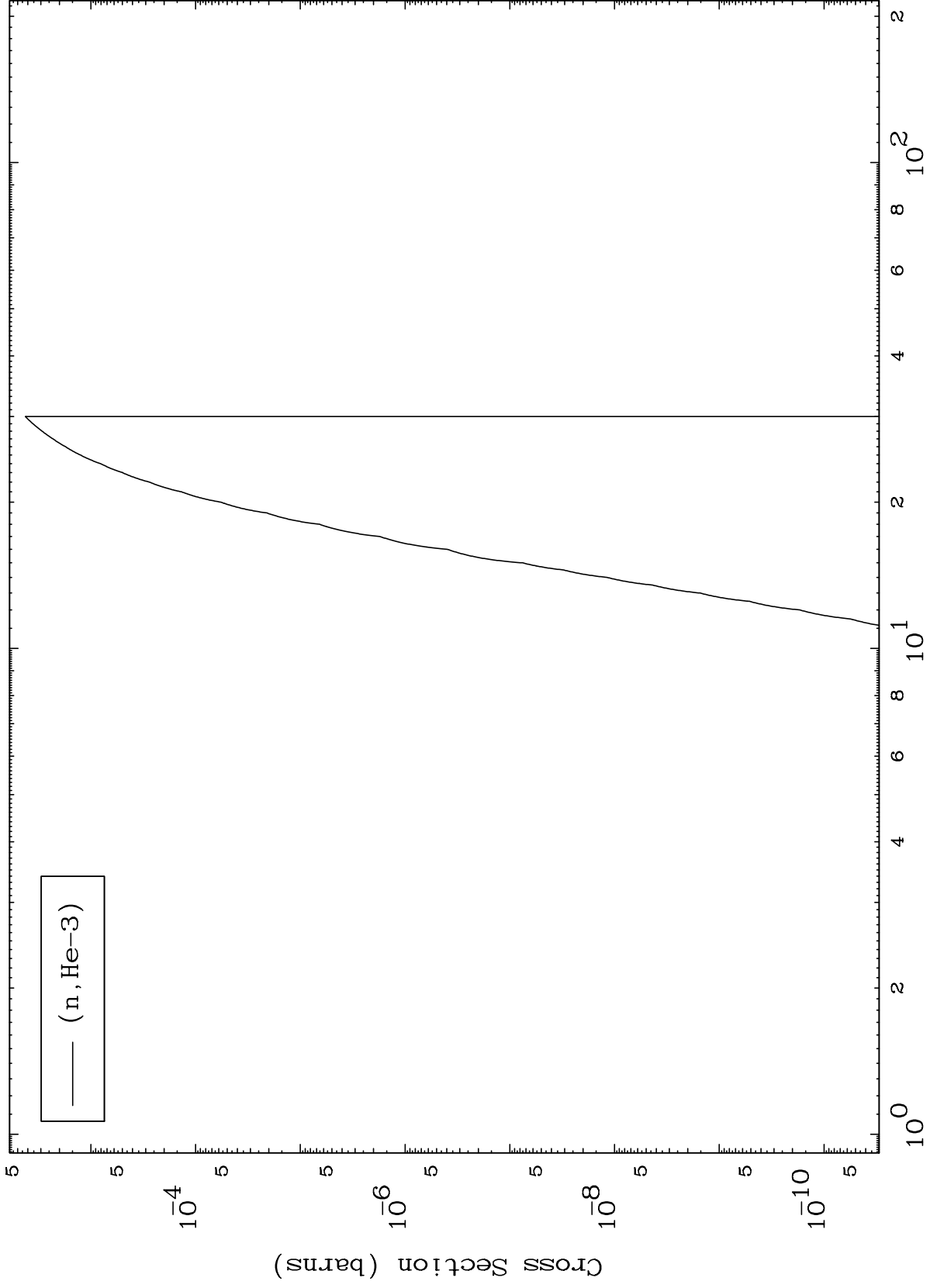
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,He3) Levels  
293 Kelvin Cross Sections

64-Gd-146



14

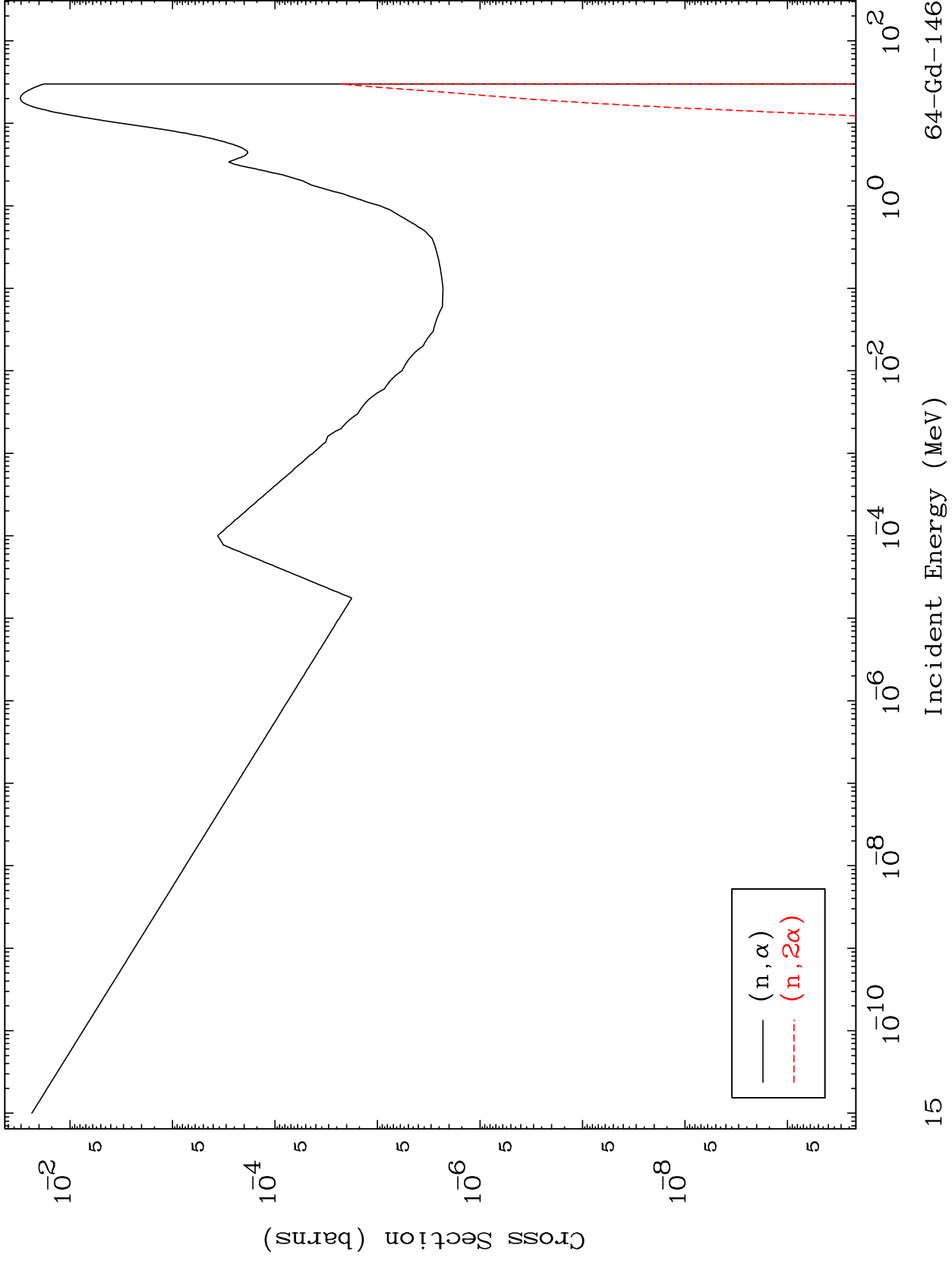
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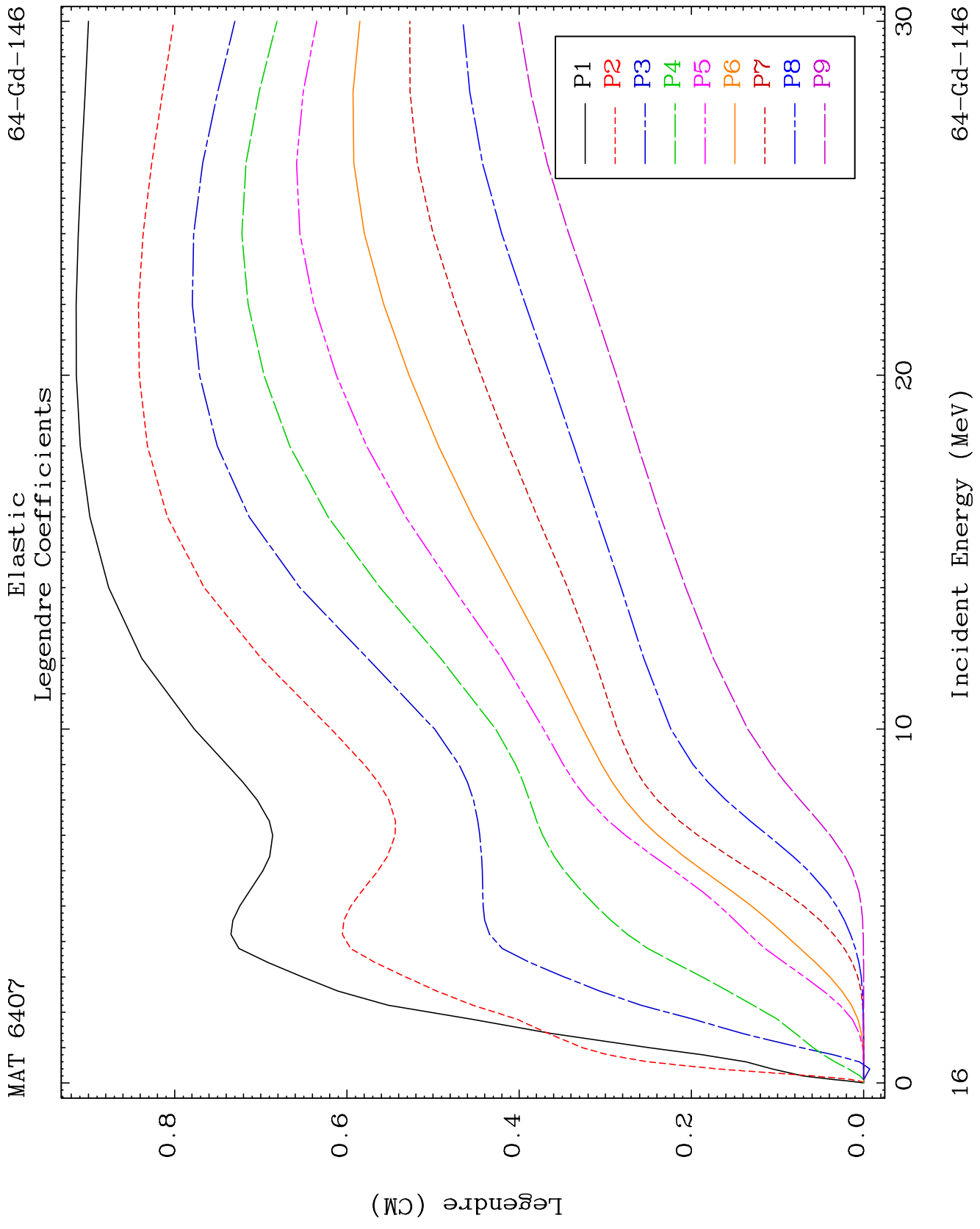
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MAT 6407

(n,α) Levels  
293 Kelvin Cross Sections

64-Gd-146

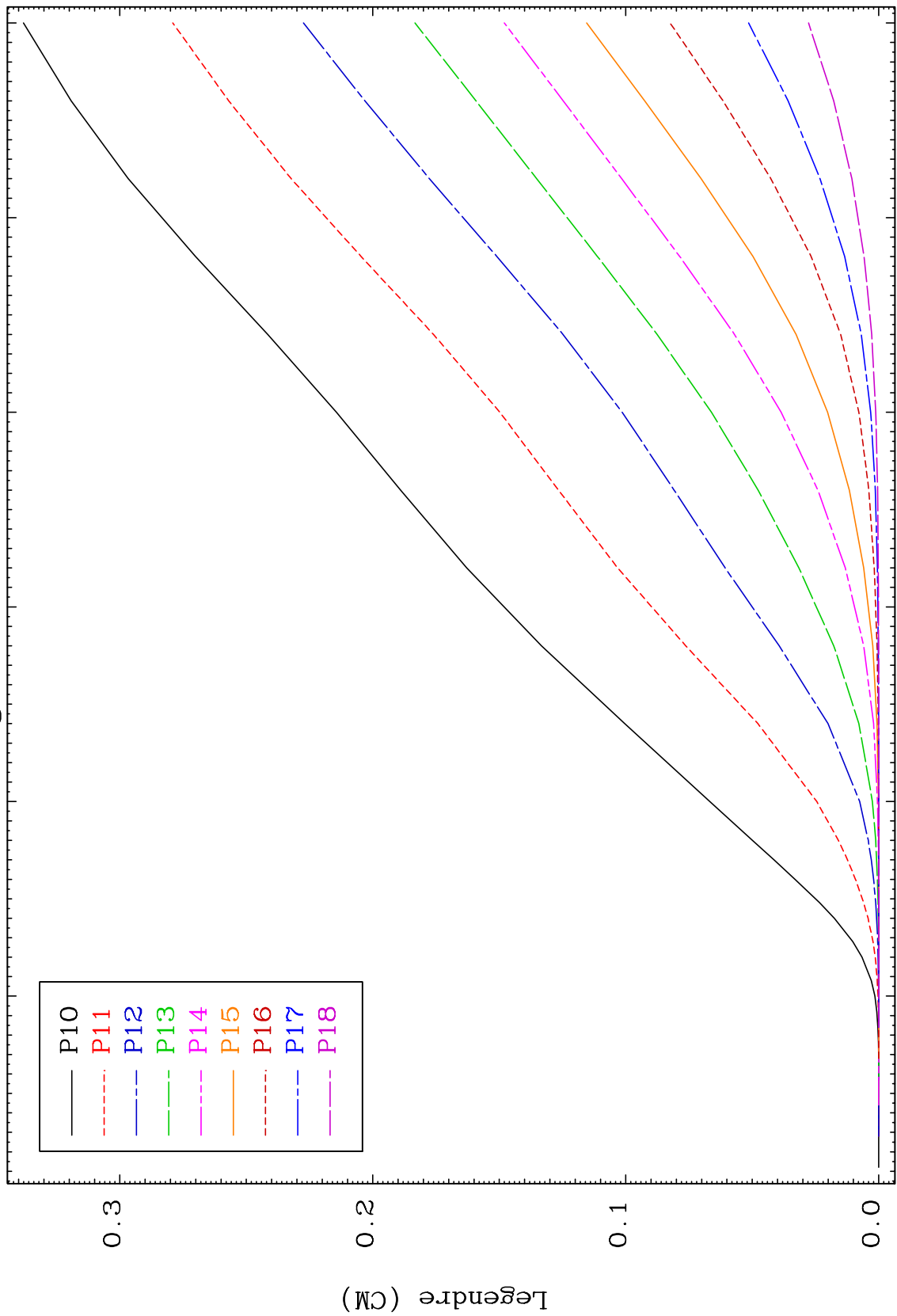




MAT 6407

Elastic Legendre Coefficients

64-Gd-146



17

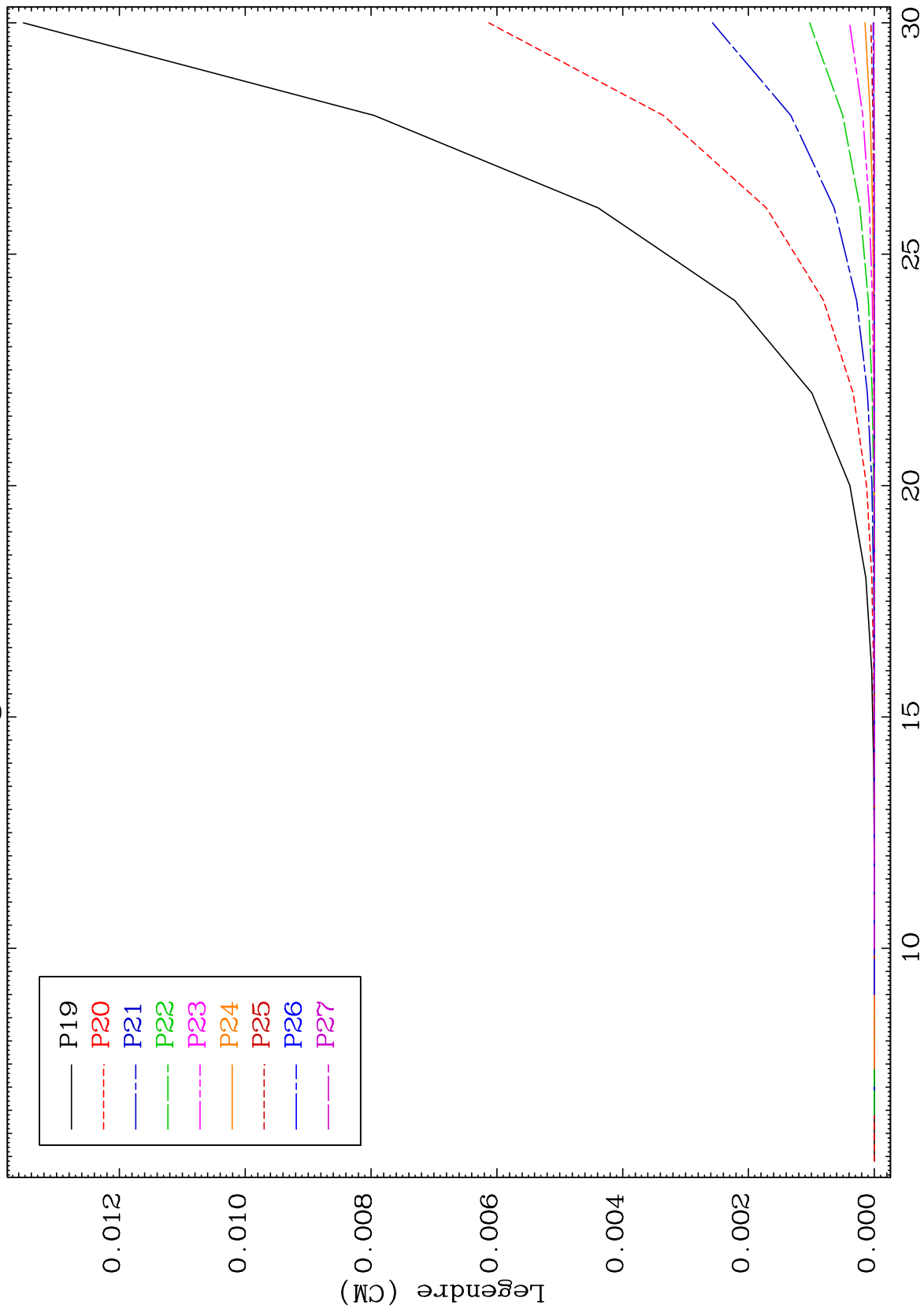
Incident Energy (MeV)

64-Gd-146

MAT 6407

### Elastic Legendre Coefficients

64-Gd-146



18

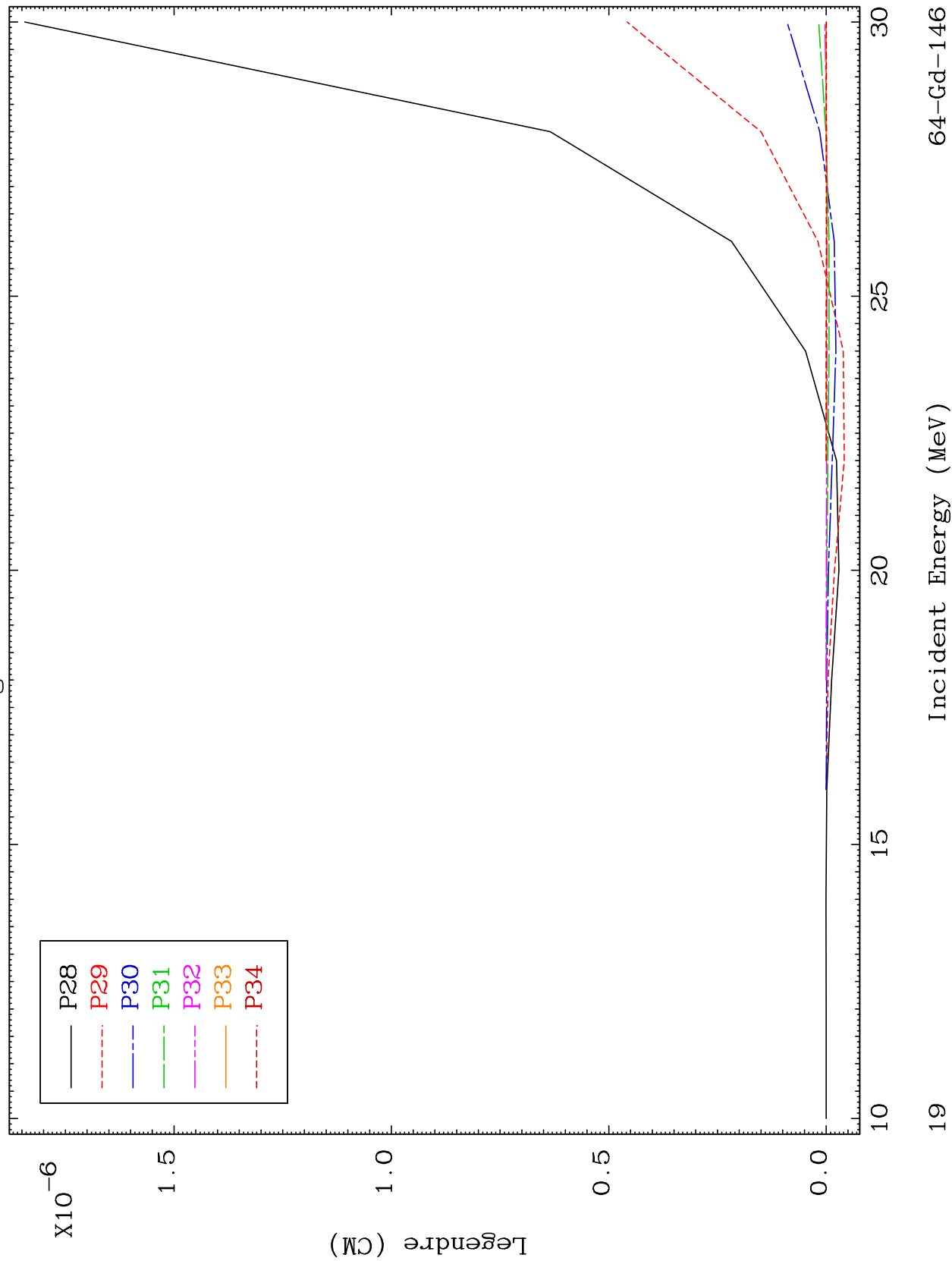
Incident Energy (MeV)

64-Gd-146

MAT 6407

Elastic  
Legendre Coefficients

64-Gd-146



19

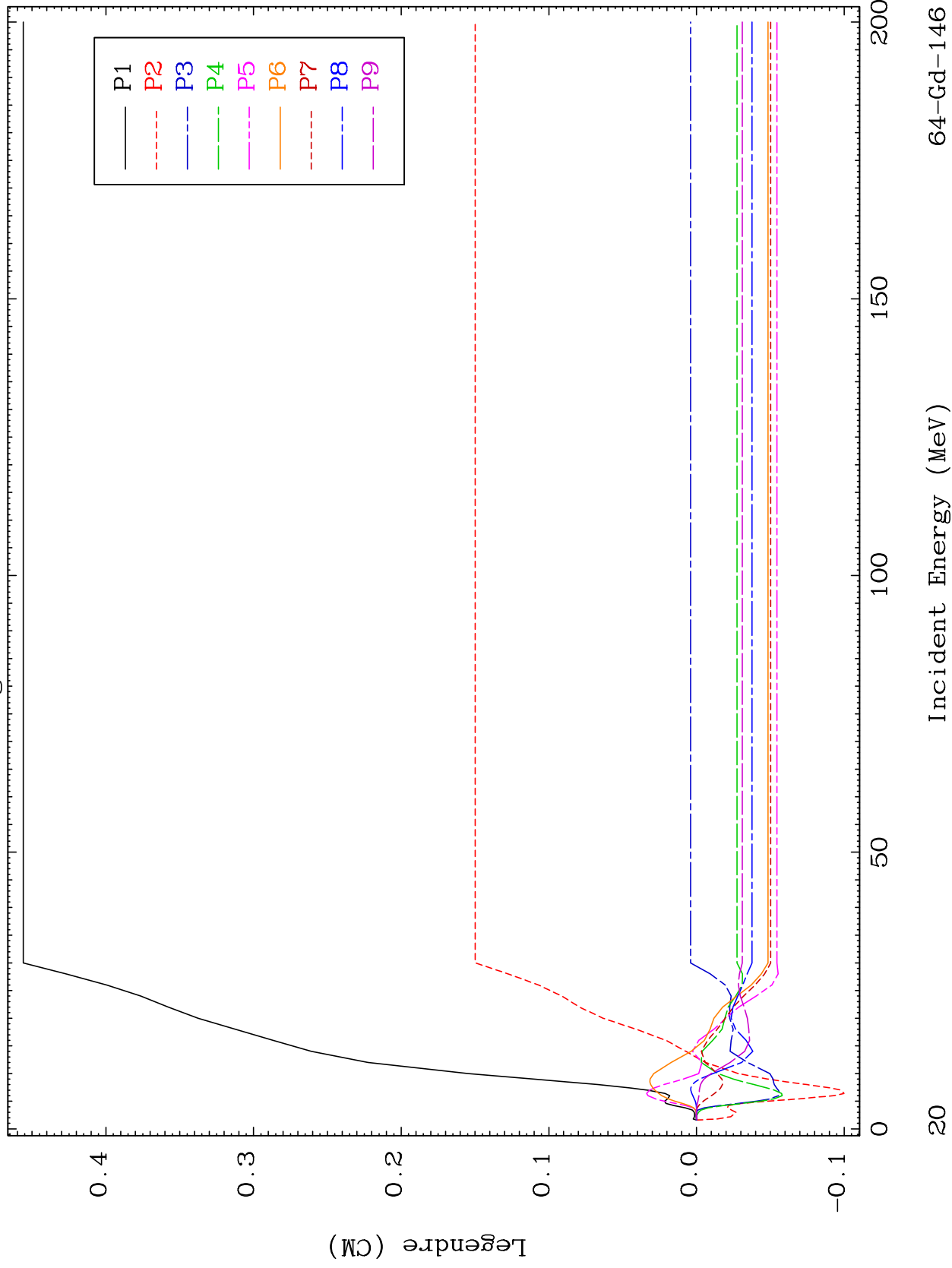
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

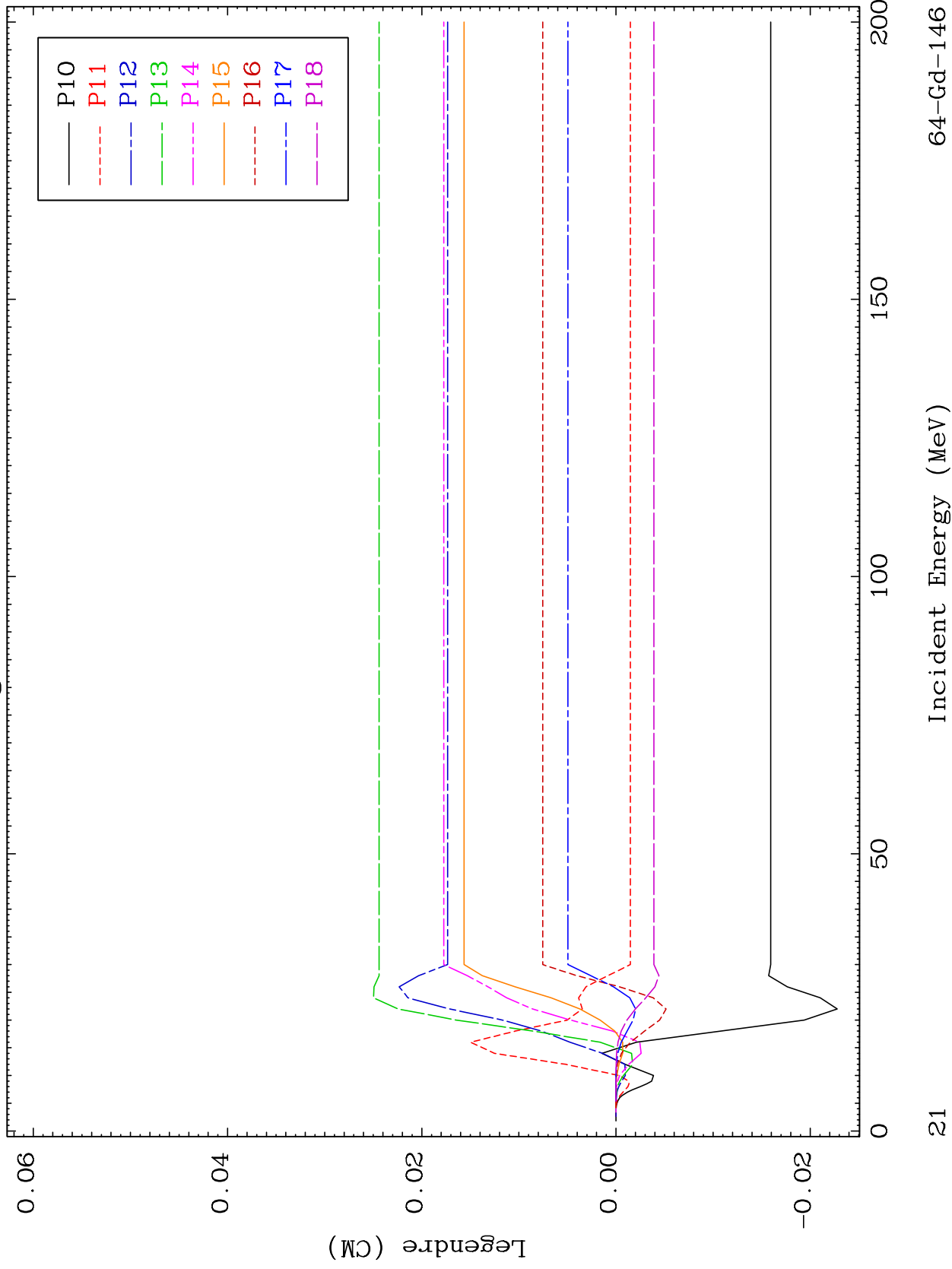
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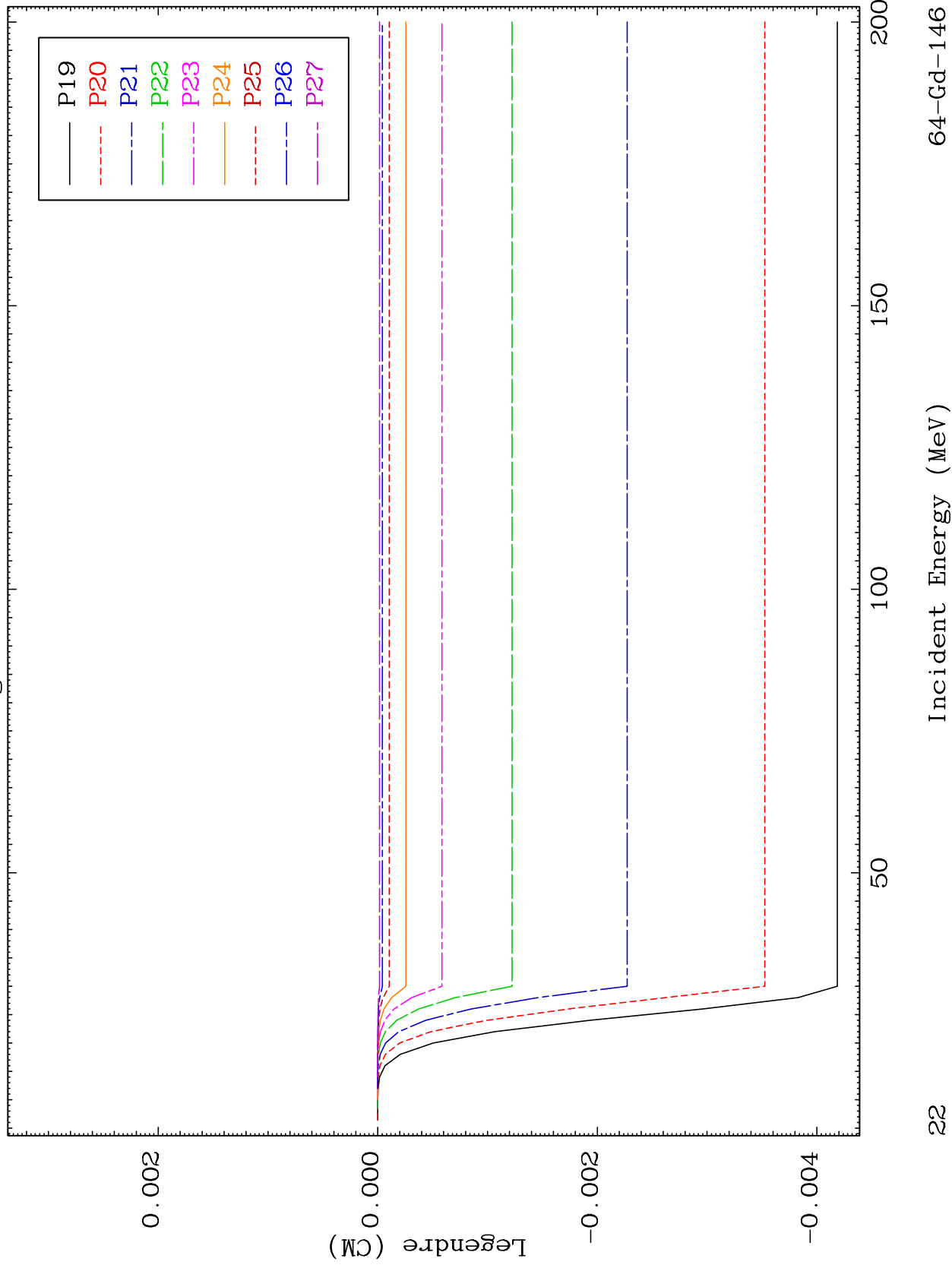
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MAT 6407

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

64-Gd-146

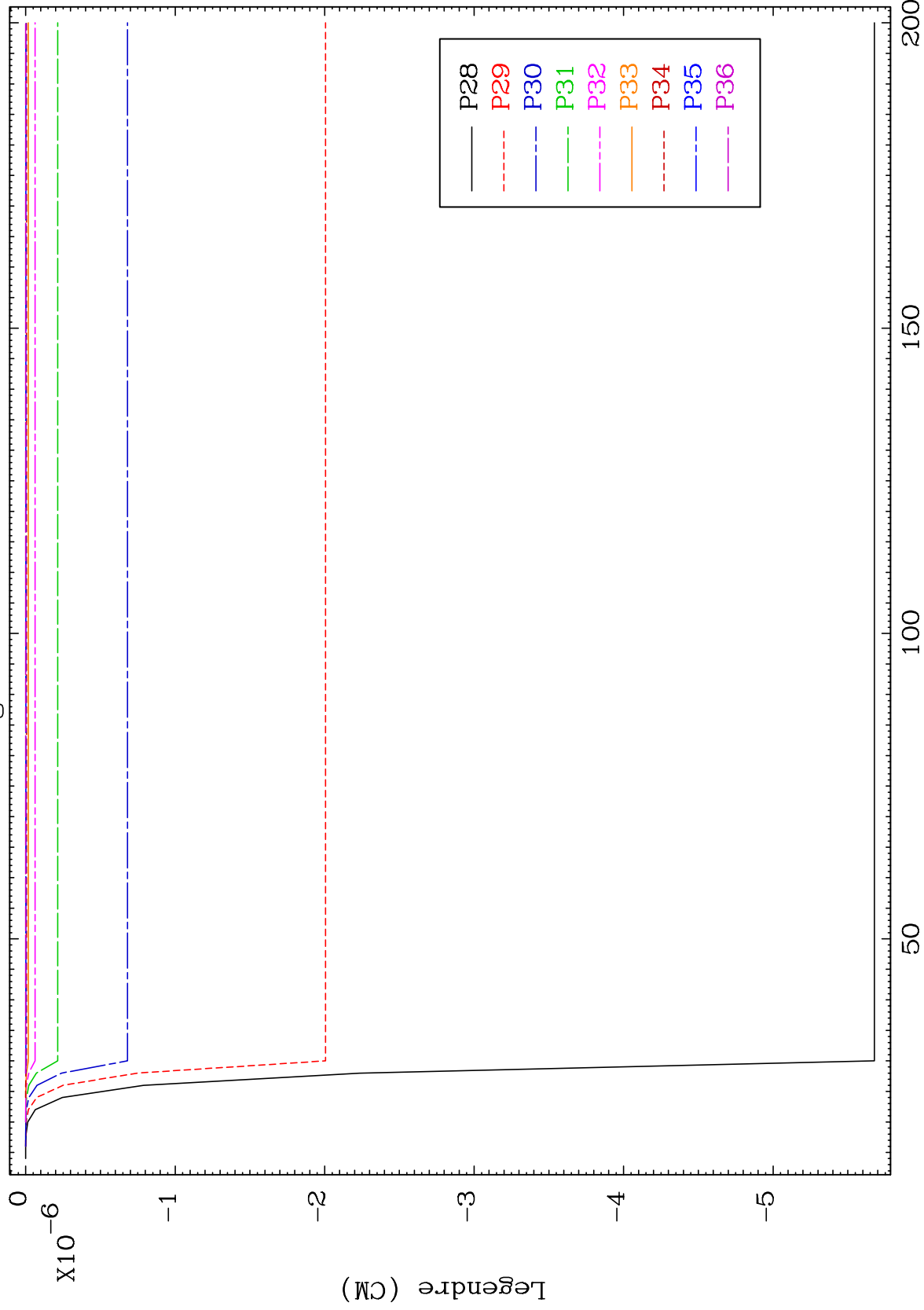




MAT 6407

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

64-Gd-146



23

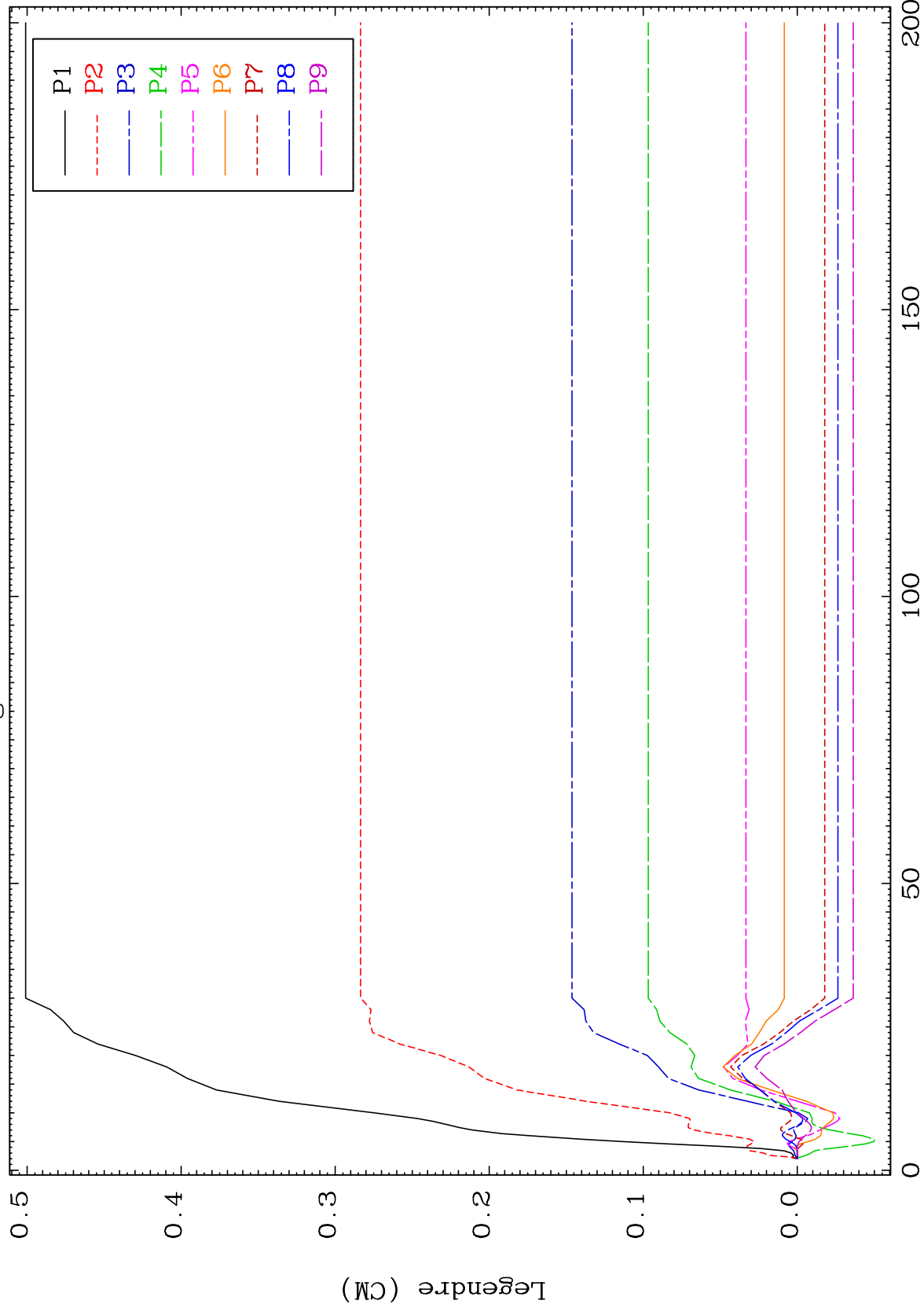
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



24

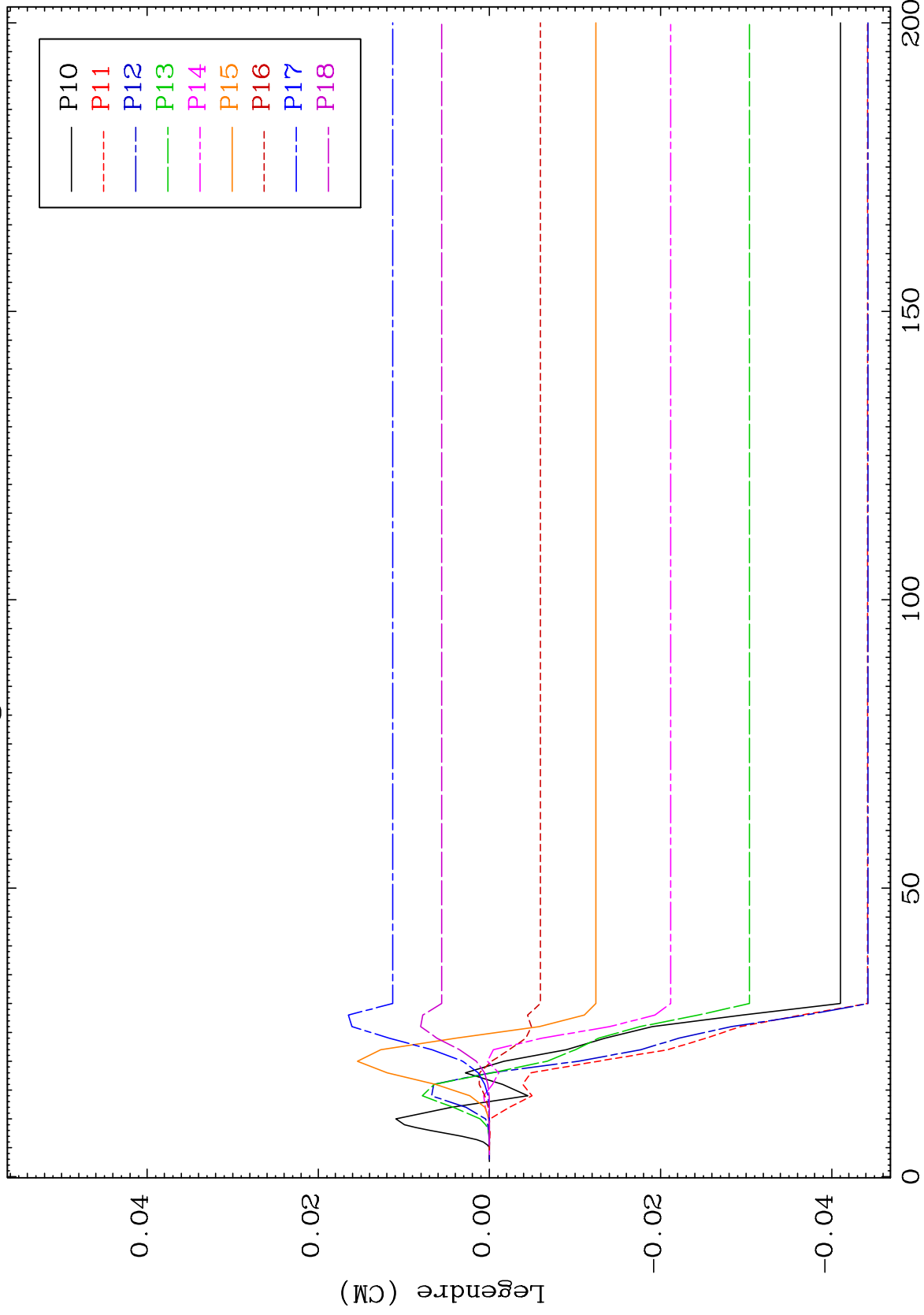
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

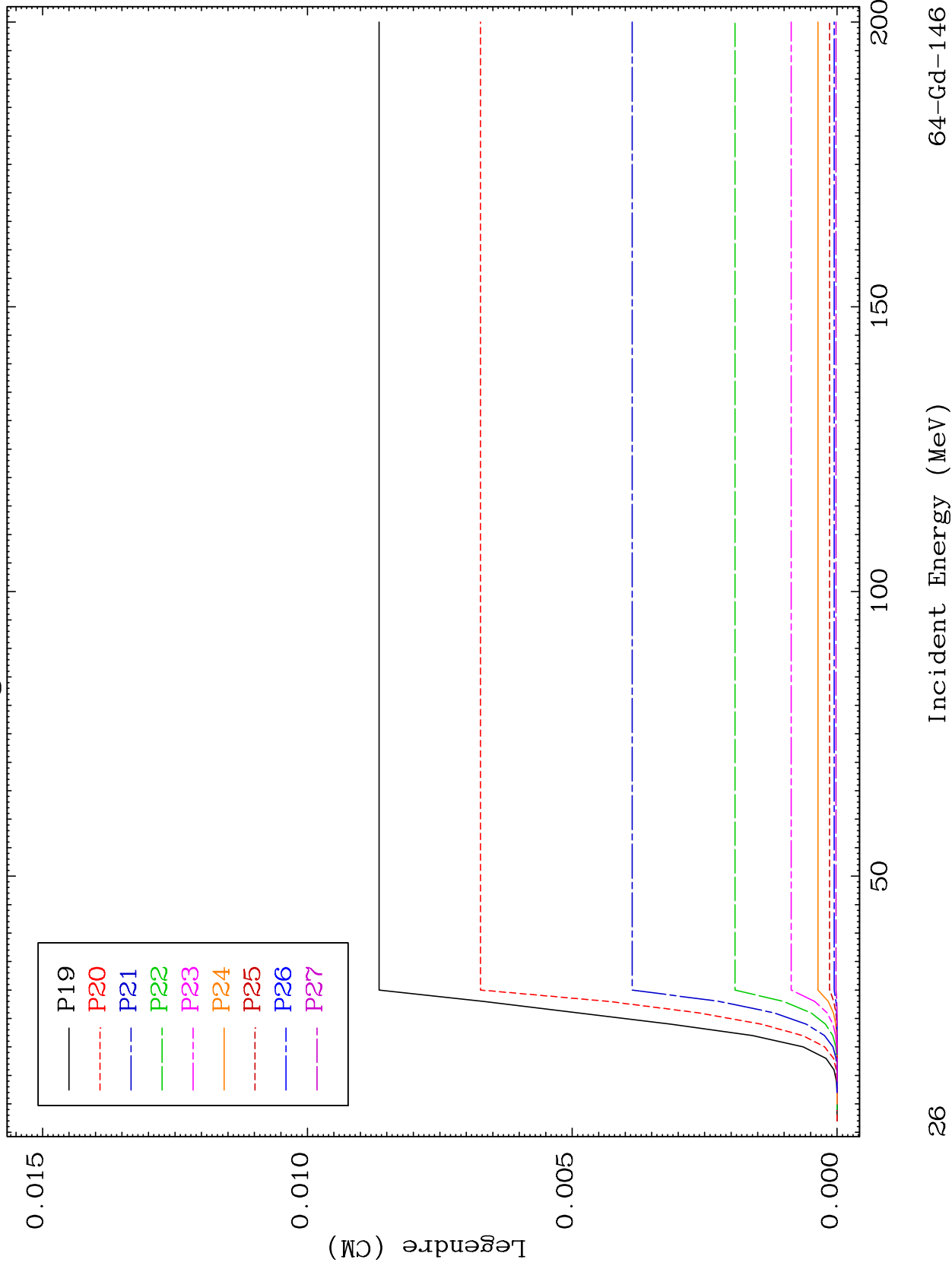
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25

Incident Energy (MeV)

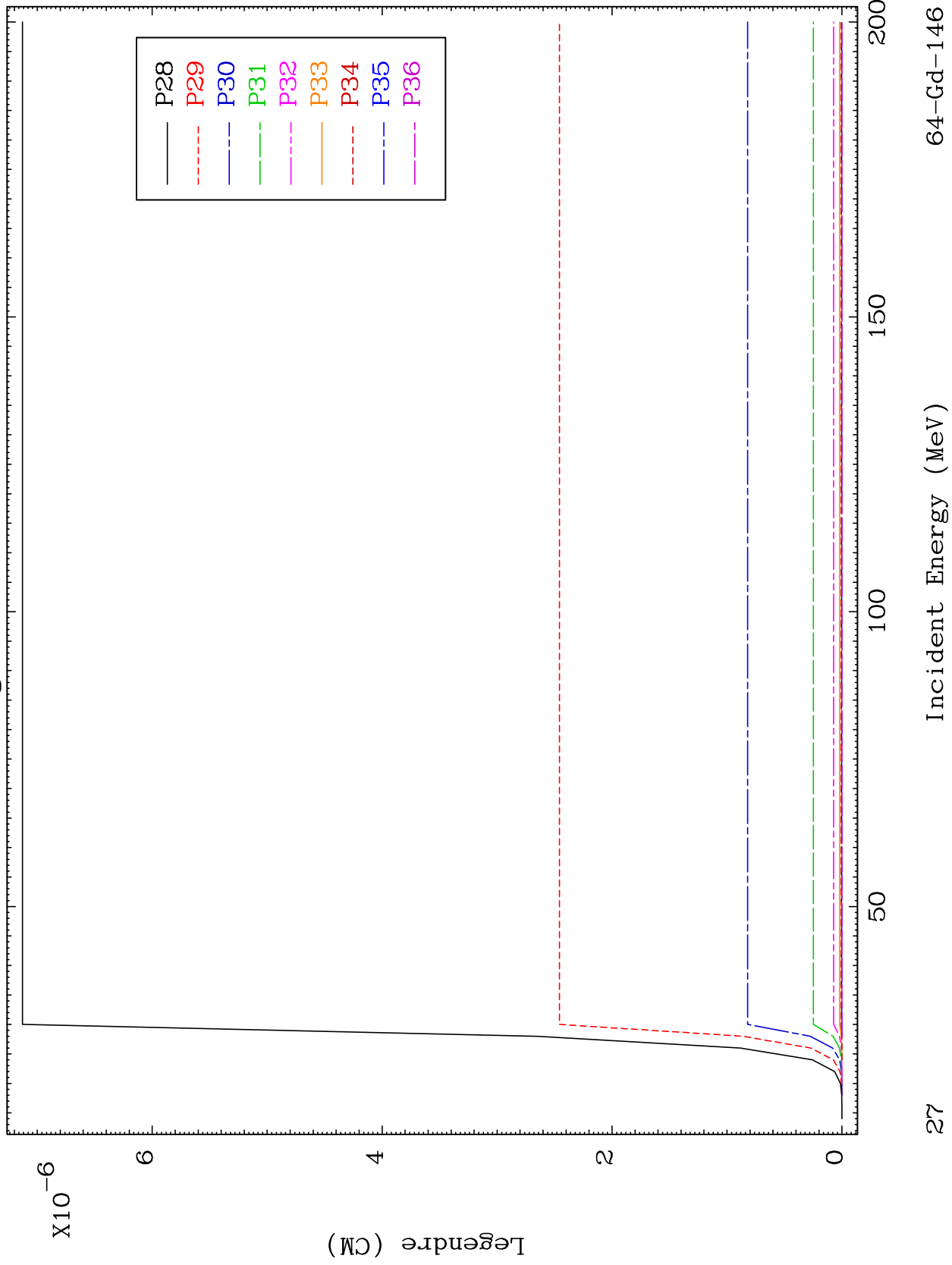
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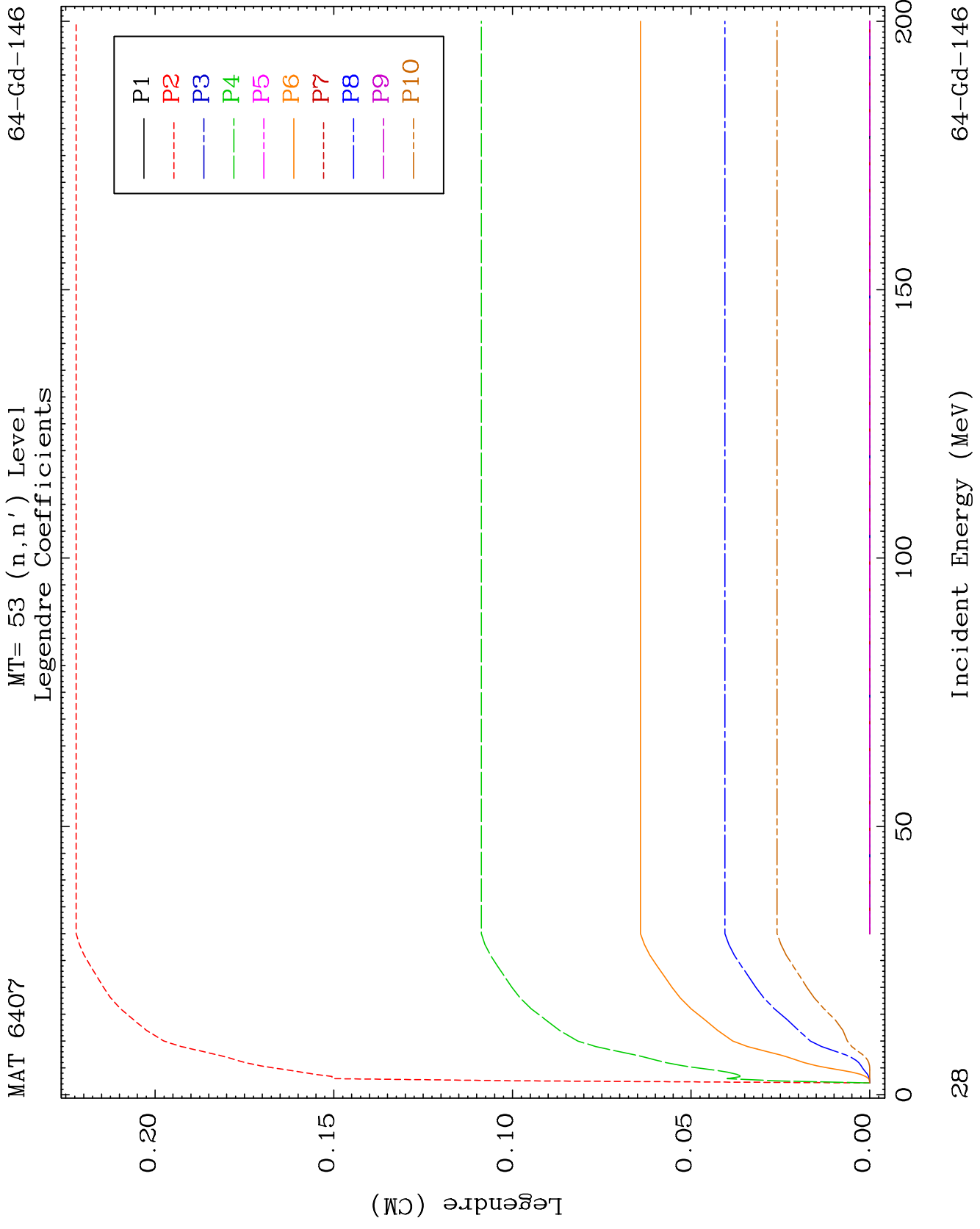


MAT 6407

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

64-Gd-146



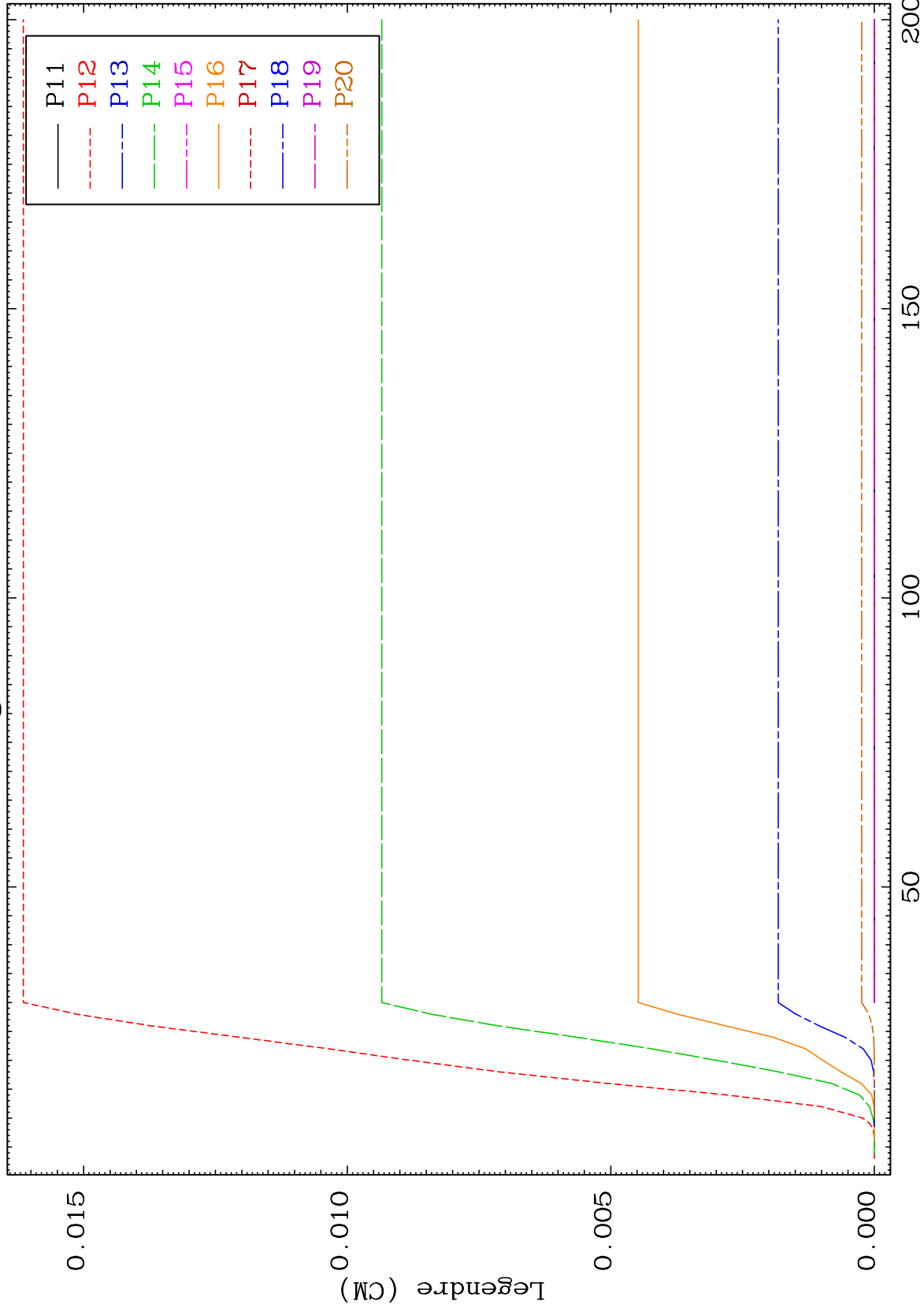


MAT 6407

MT= 53 (n,n') Level

64-Gd-146

Legendre Coefficients



29

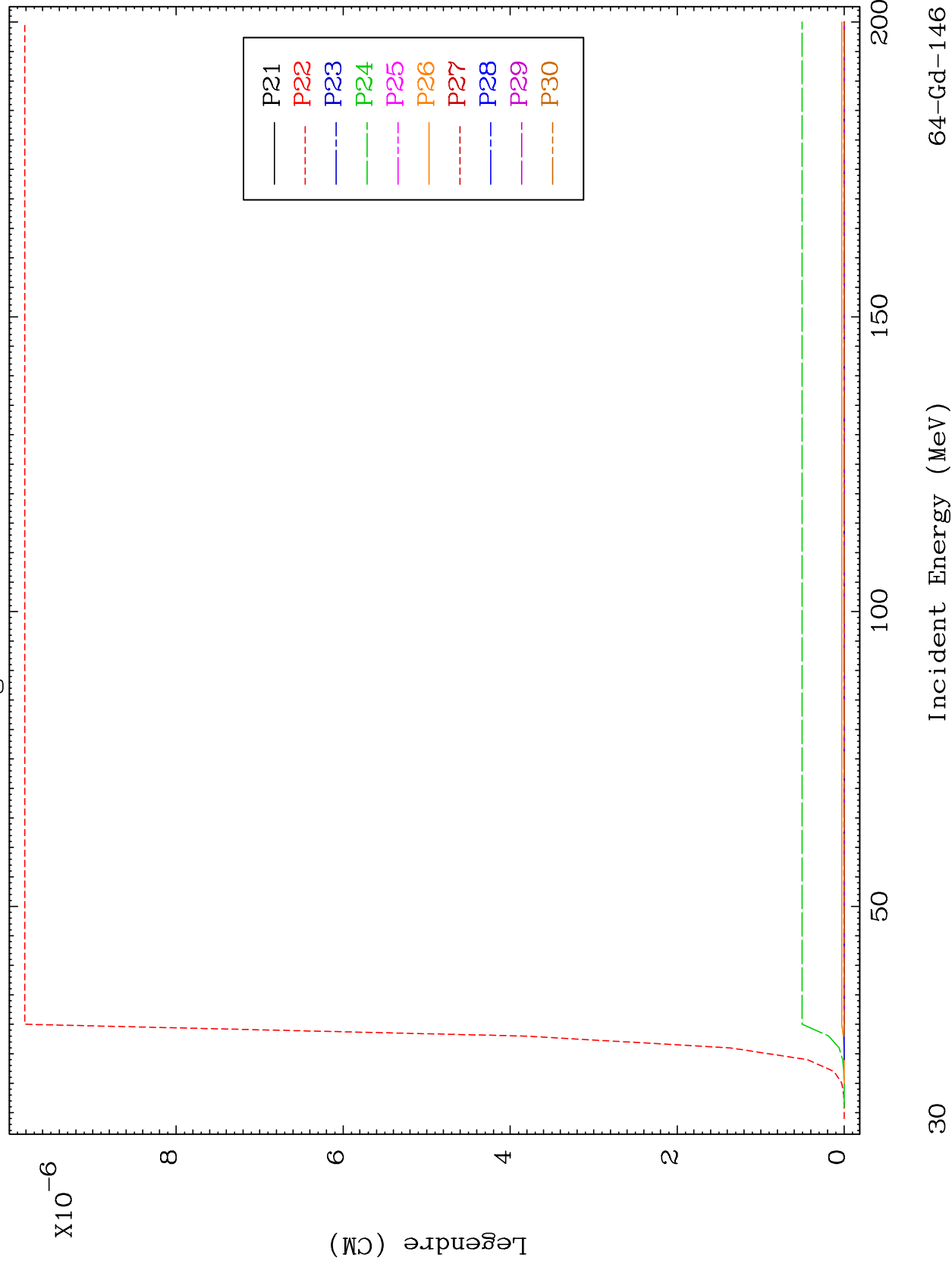
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

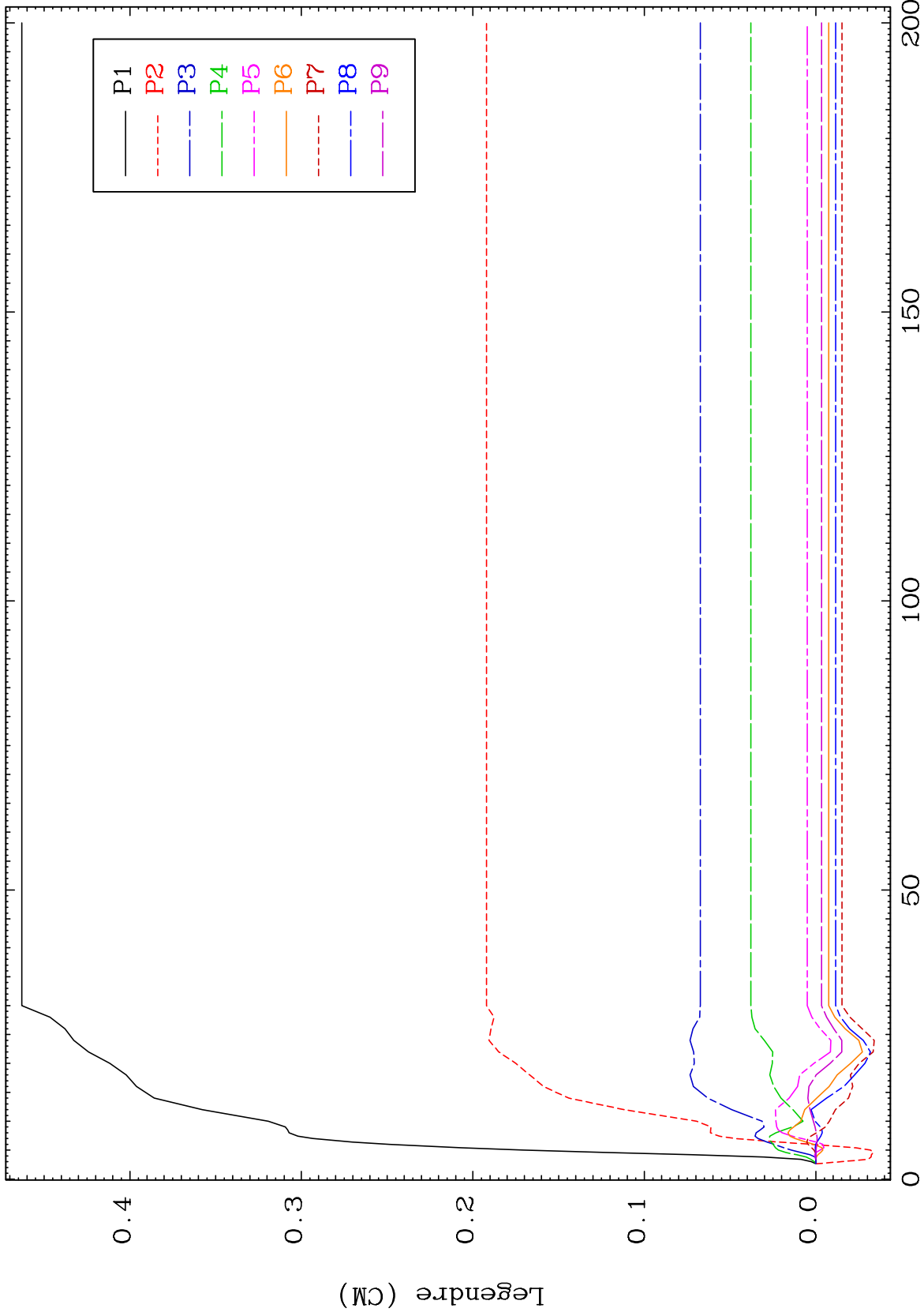
64-Gd-146



MAT 6407

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

64-Gd-146



31

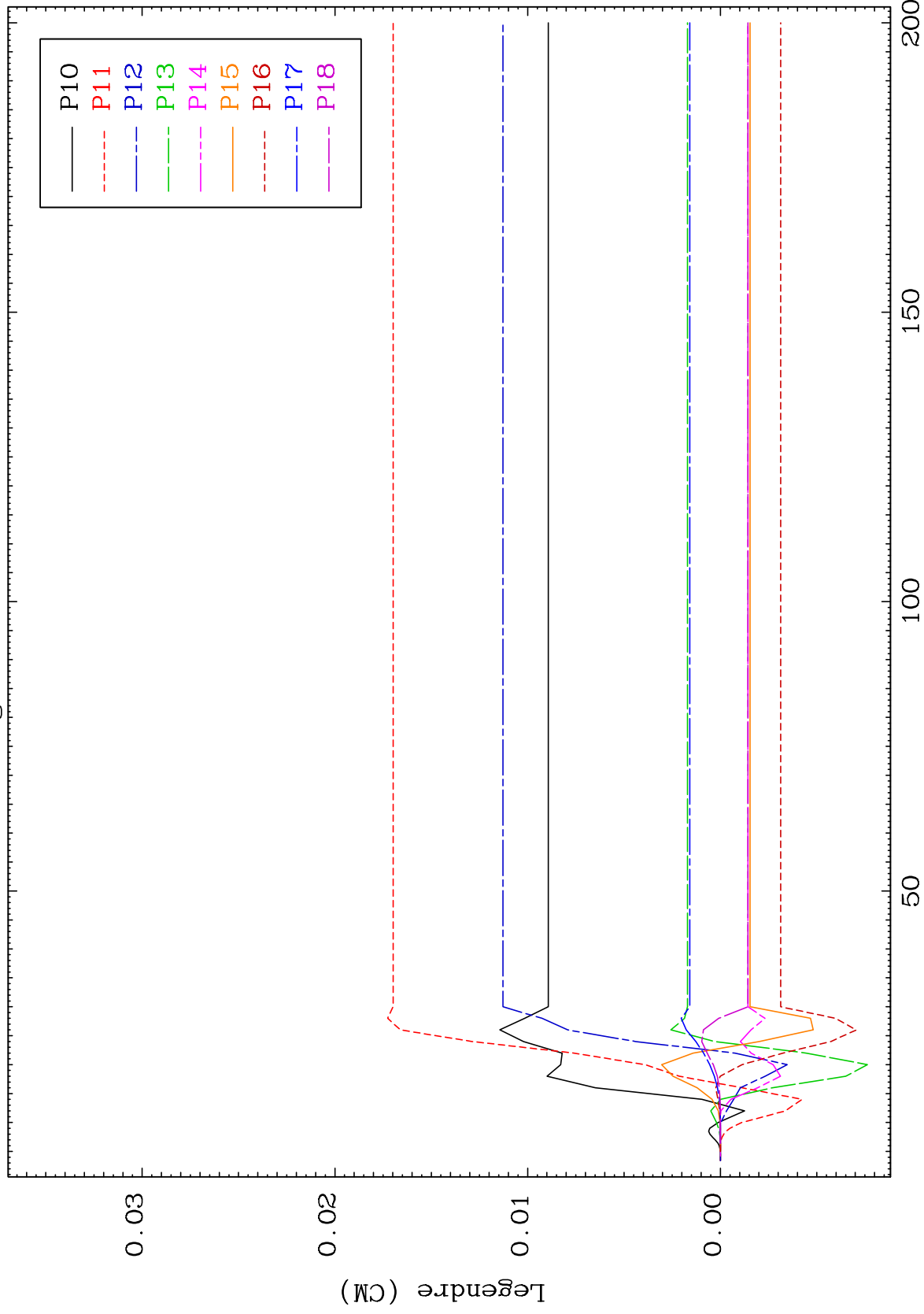
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

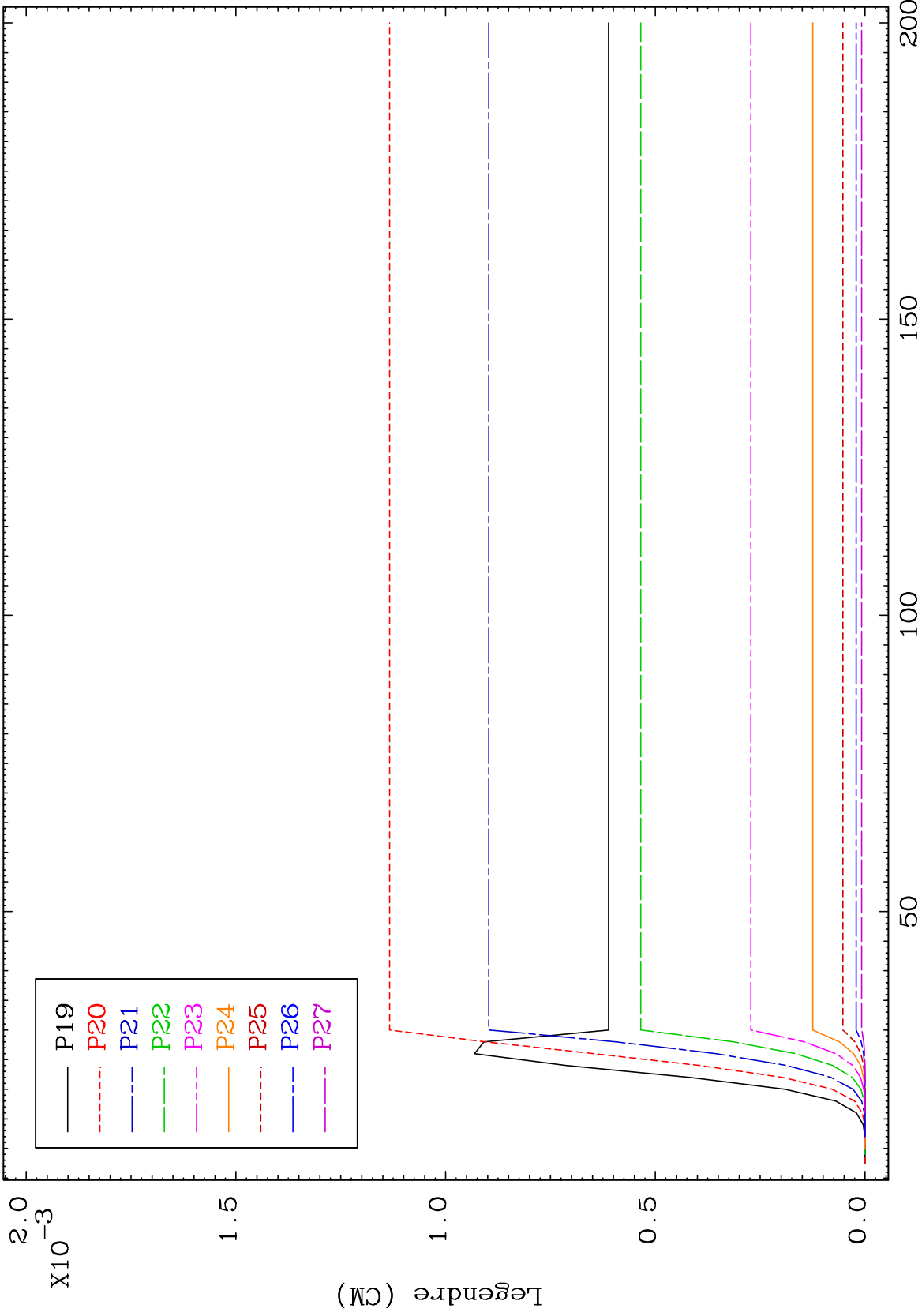
64-Gd-146



32

Incident Energy (MeV)

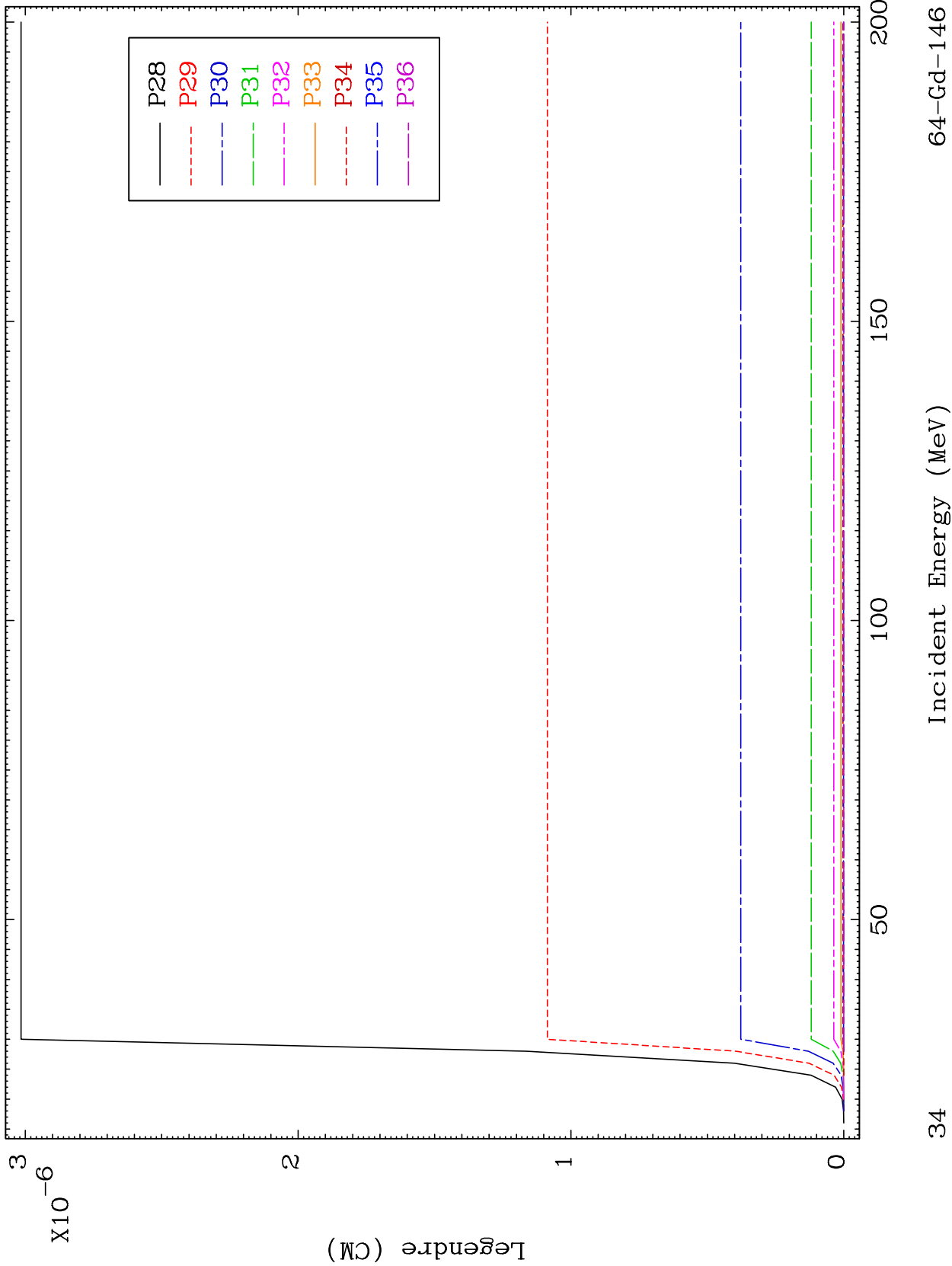
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MAT 6407

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

64-Gd-146



34

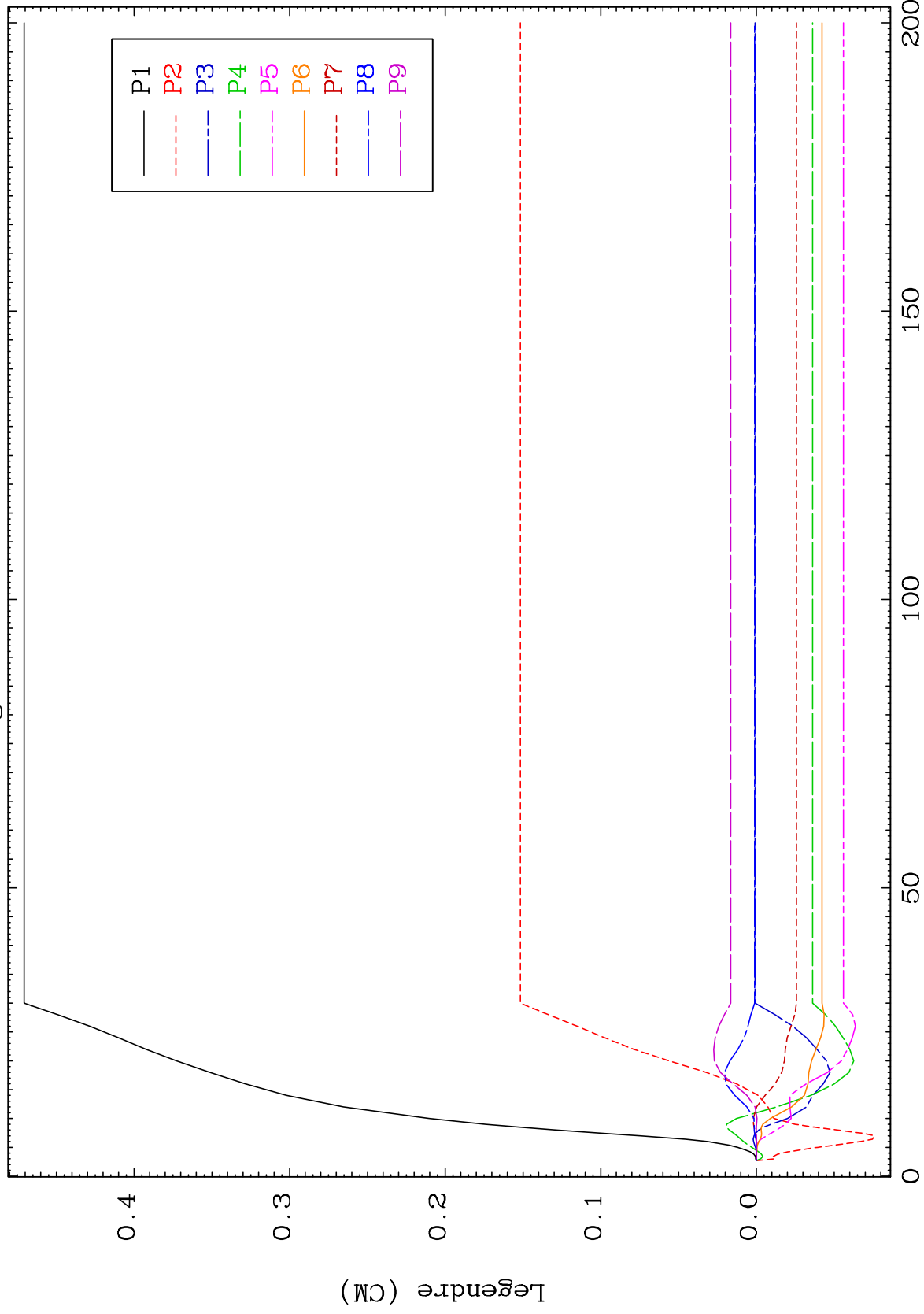
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

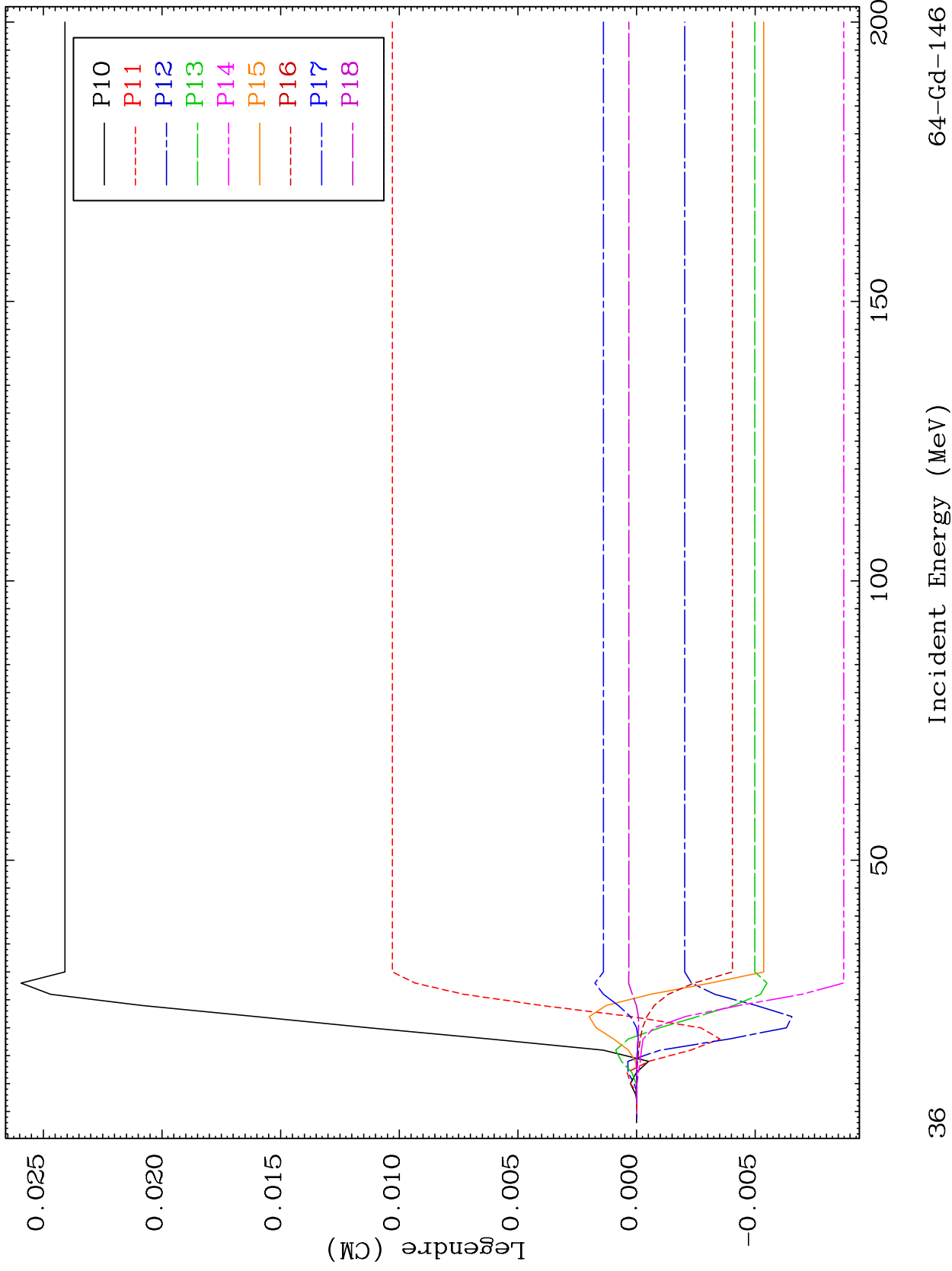
64-Gd-146



35

Incident Energy (MeV)

64-Gd-146

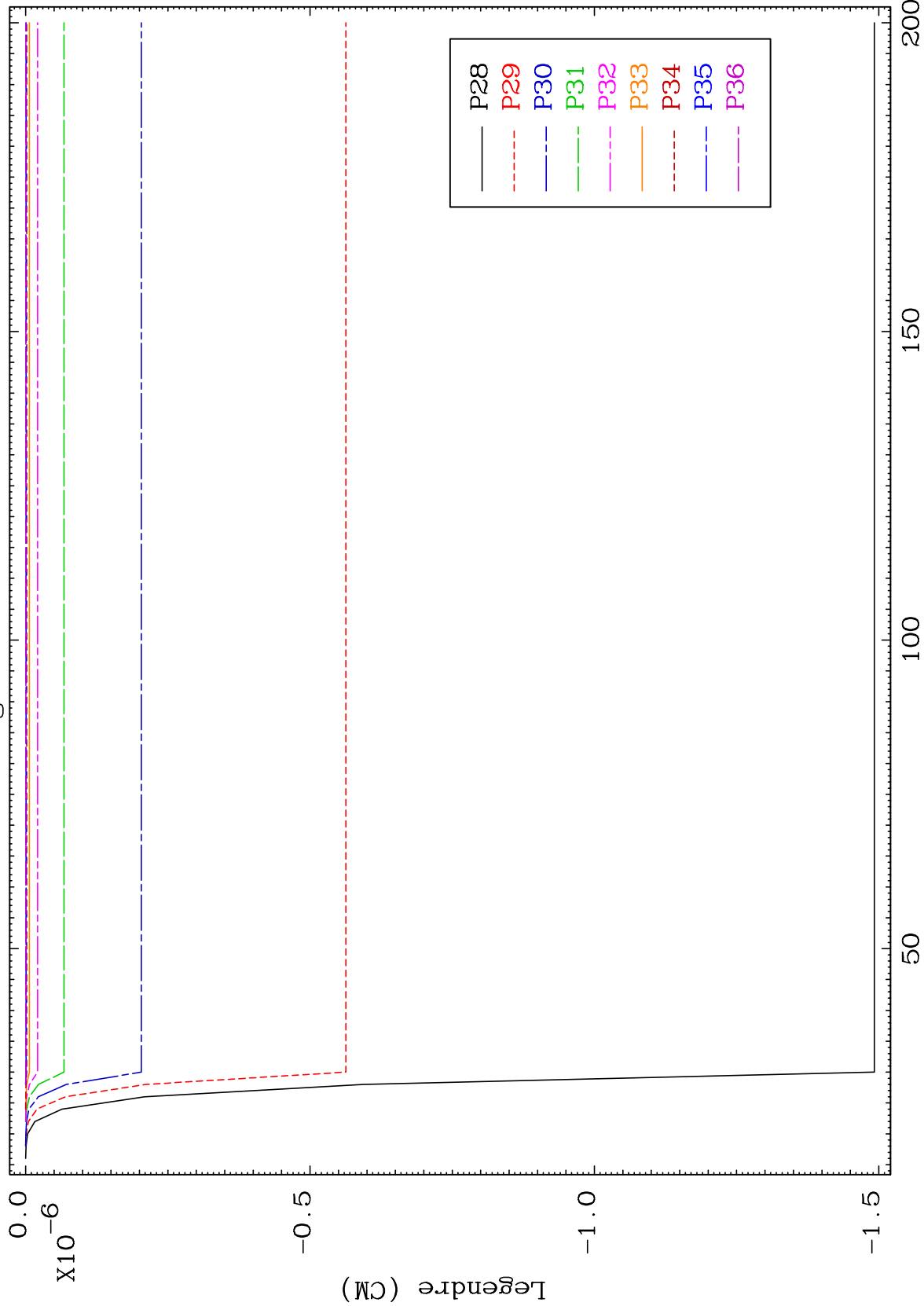




MAT 6407

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

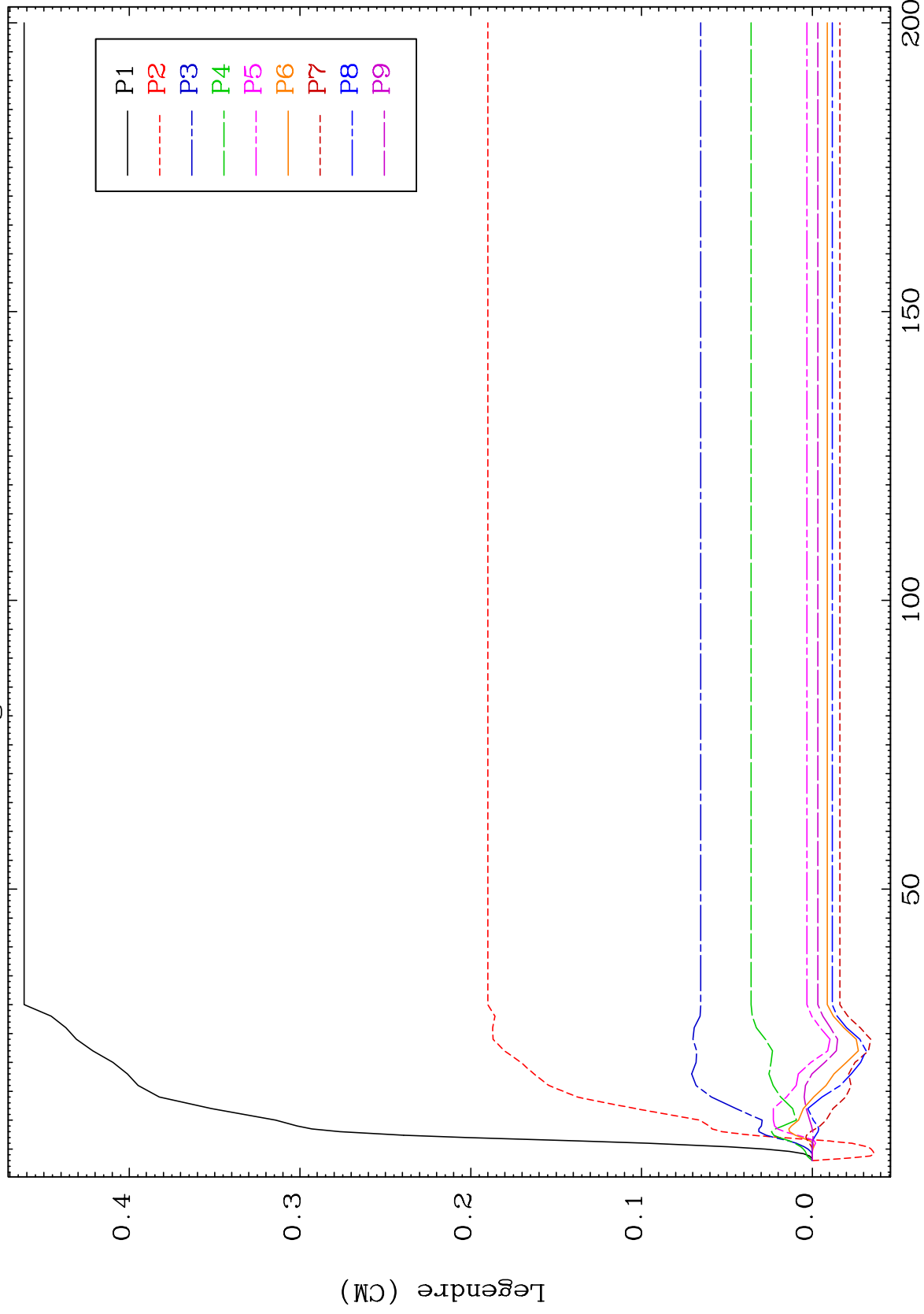
64-Gd-146



MAT 6407

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

64-Gd-146



39

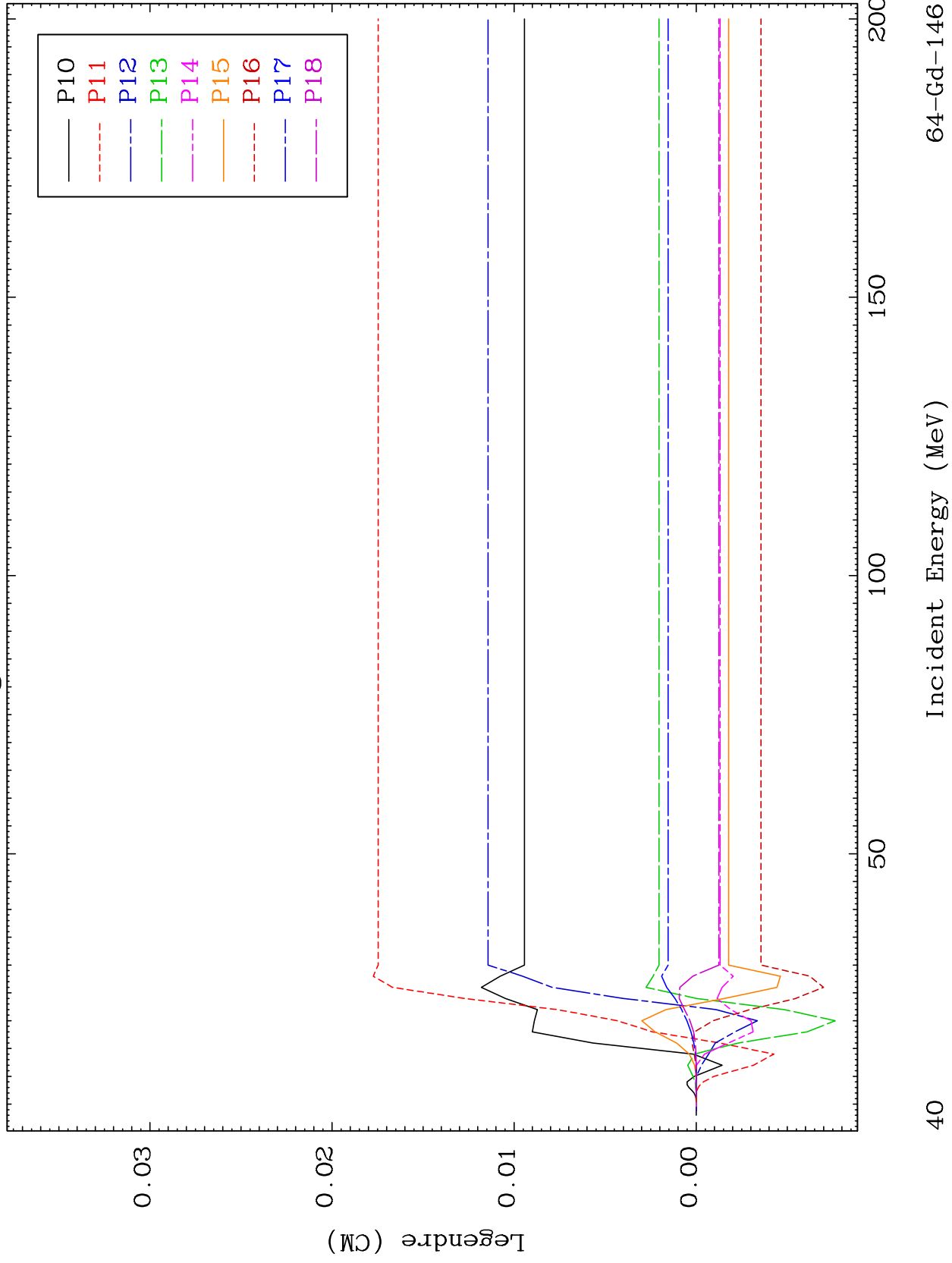
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

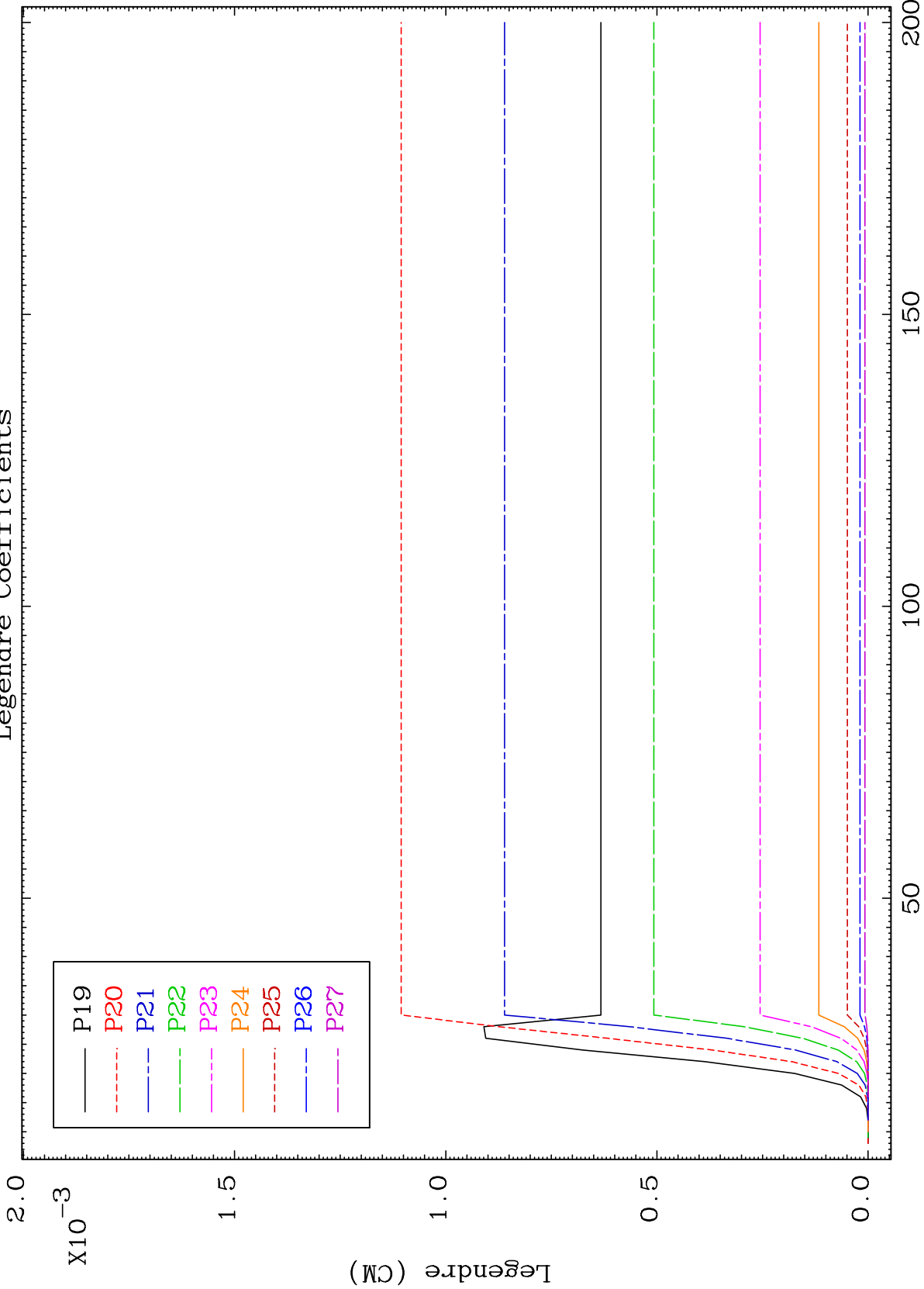
Incident Energy (MeV)

40

MAT 6407

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

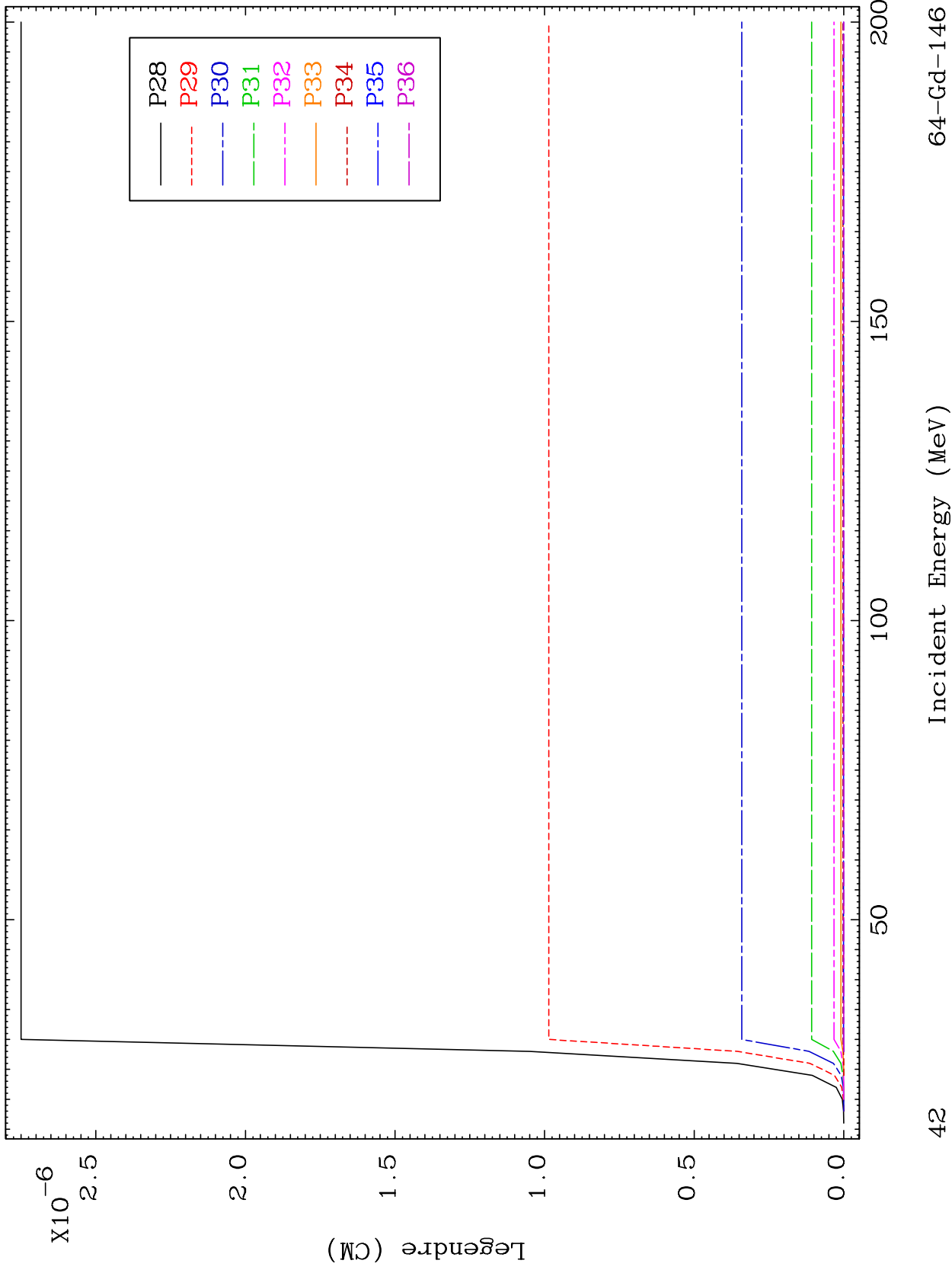
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MAT 6407

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

64-Gd-146



42

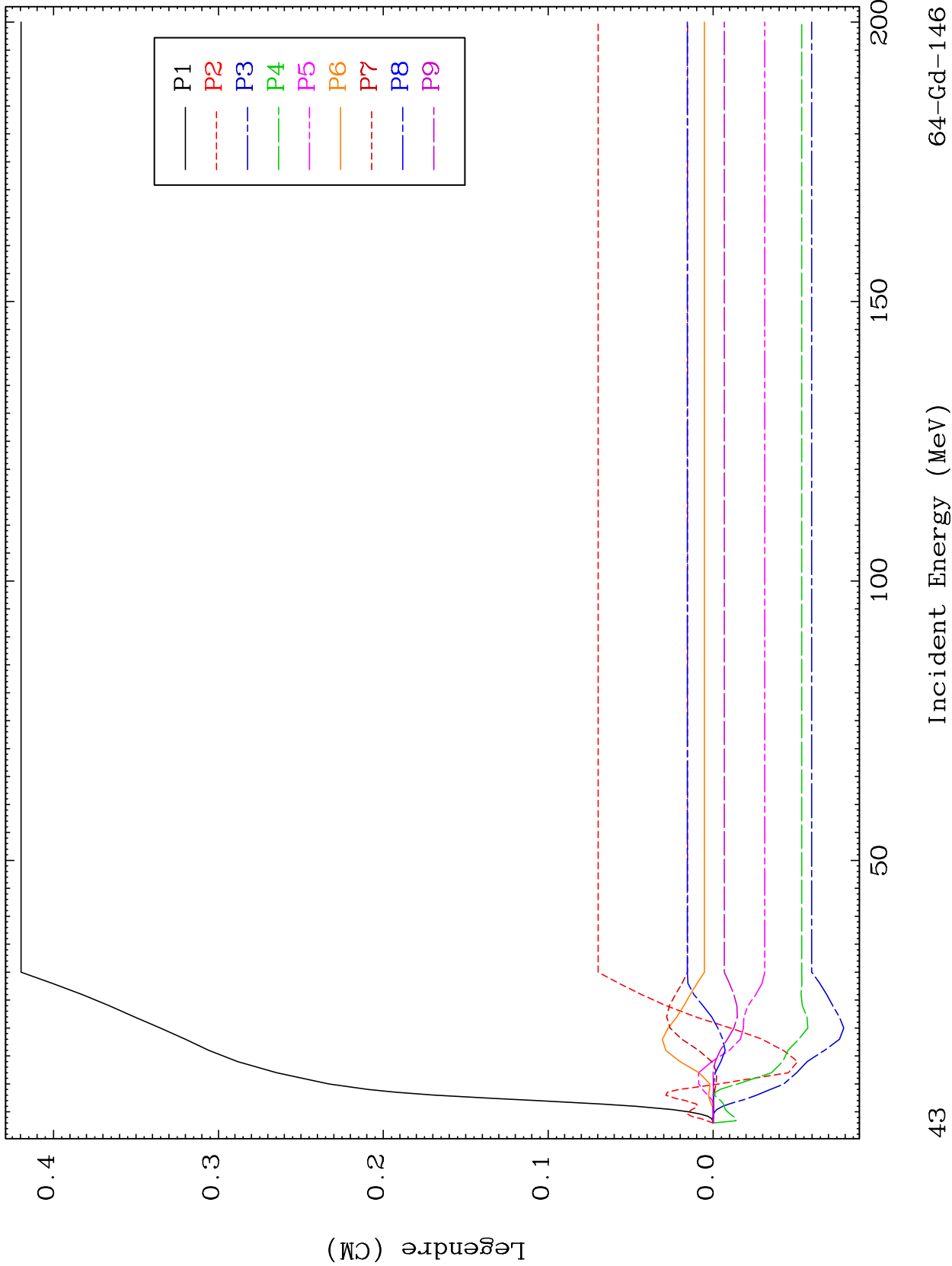
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



43

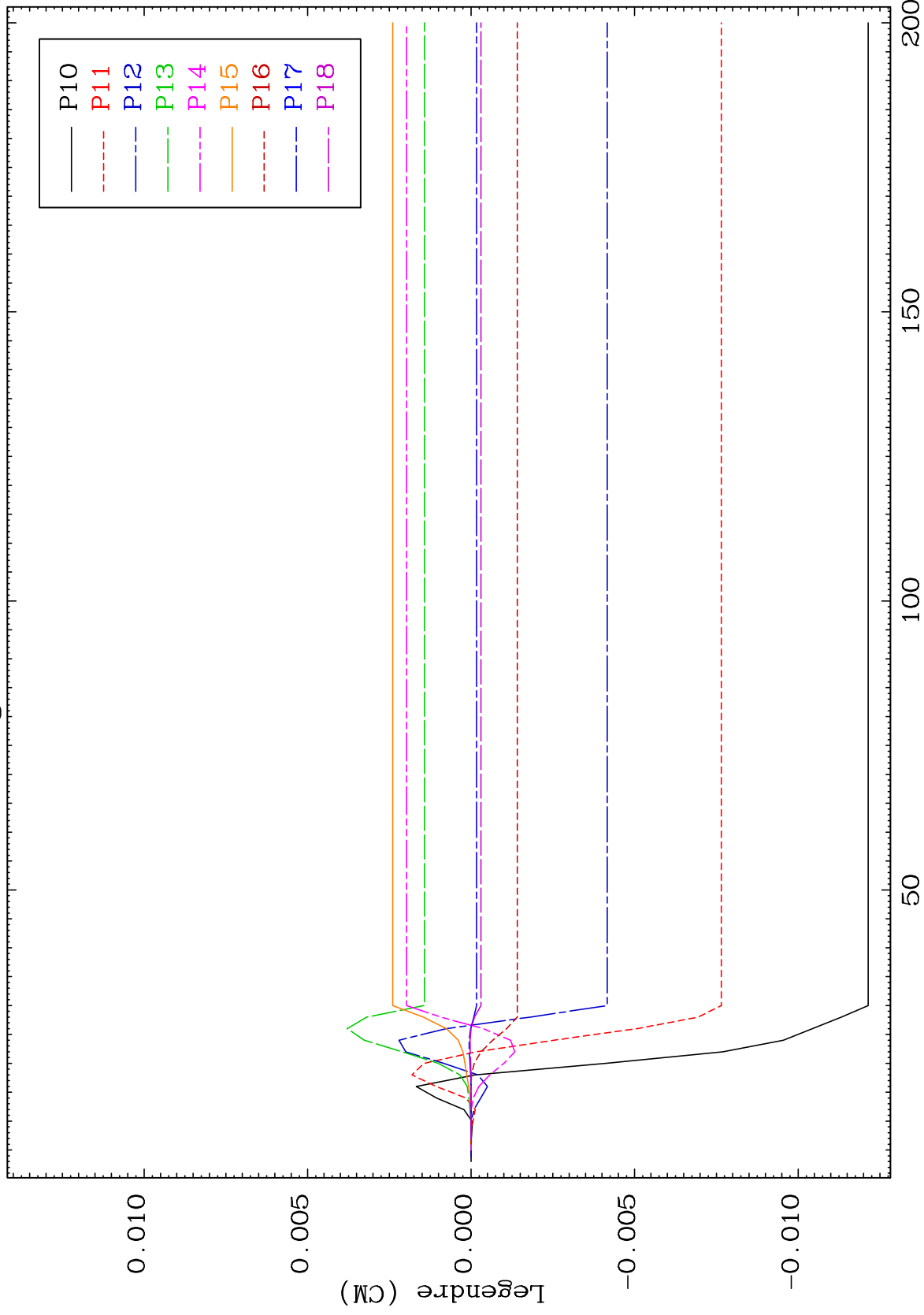
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



44

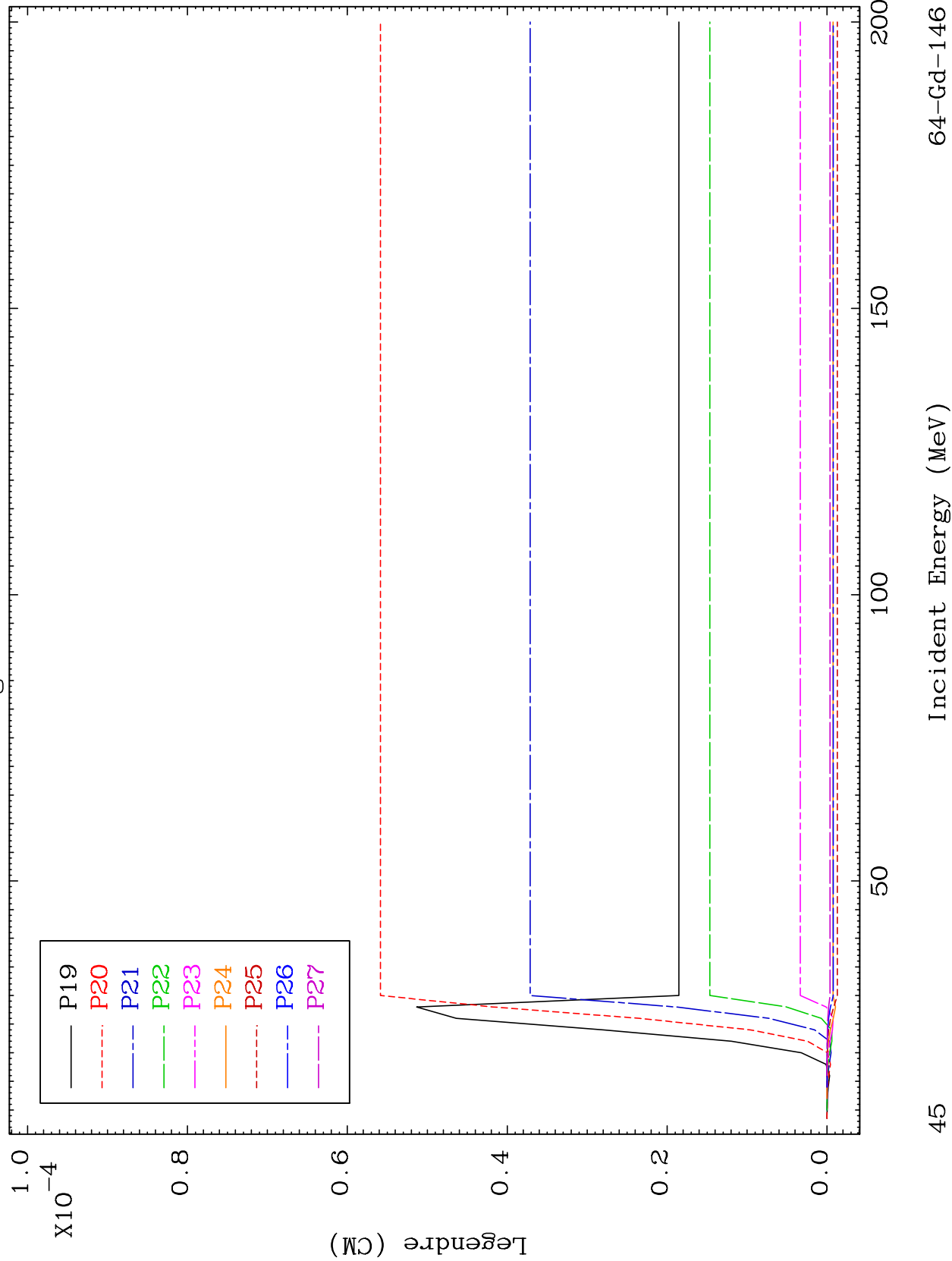
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146

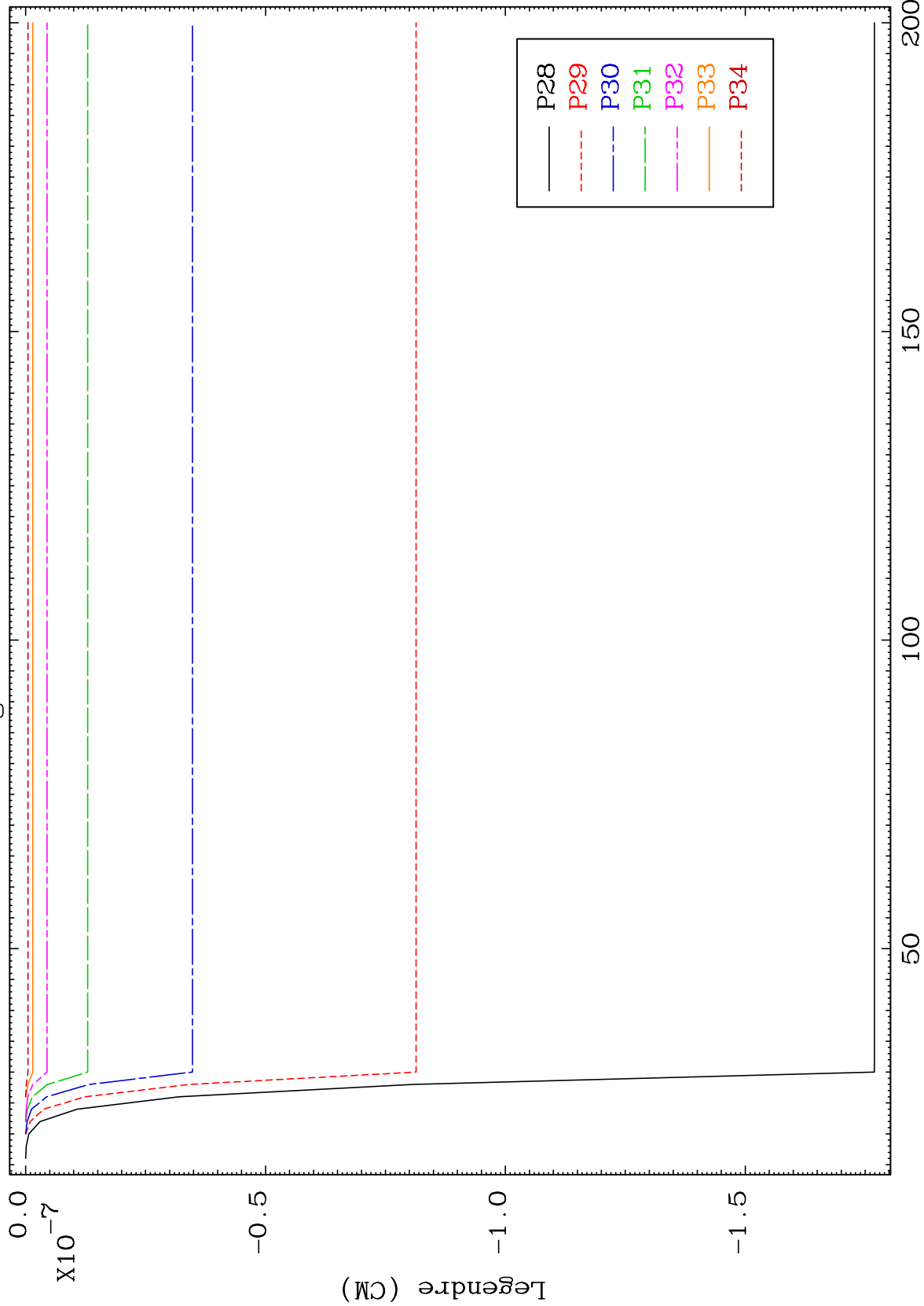


MAT 6407

MT= 57 (n,n') Level

64-Gd-146

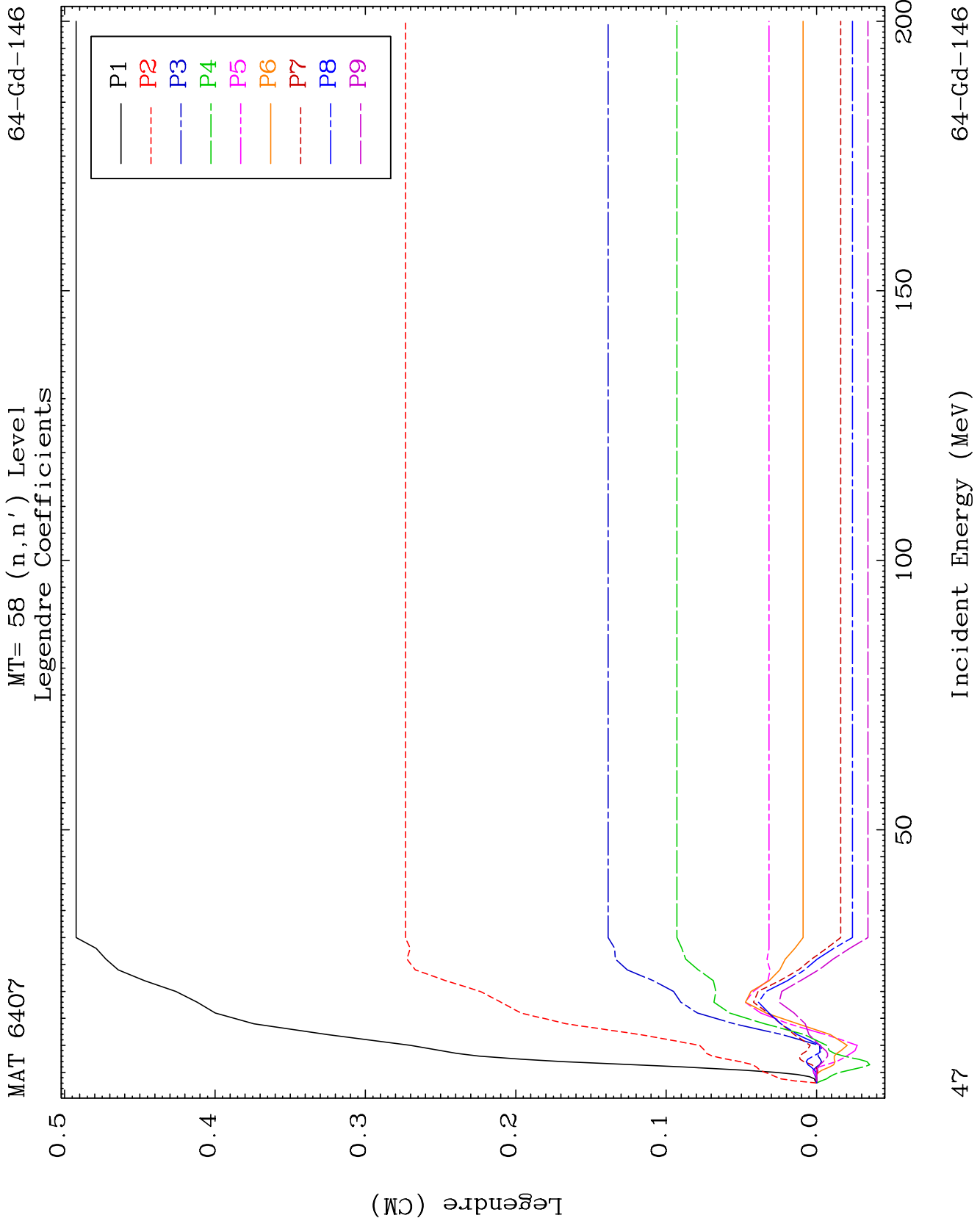
Legendre Coefficients



46

Incident Energy (MeV)

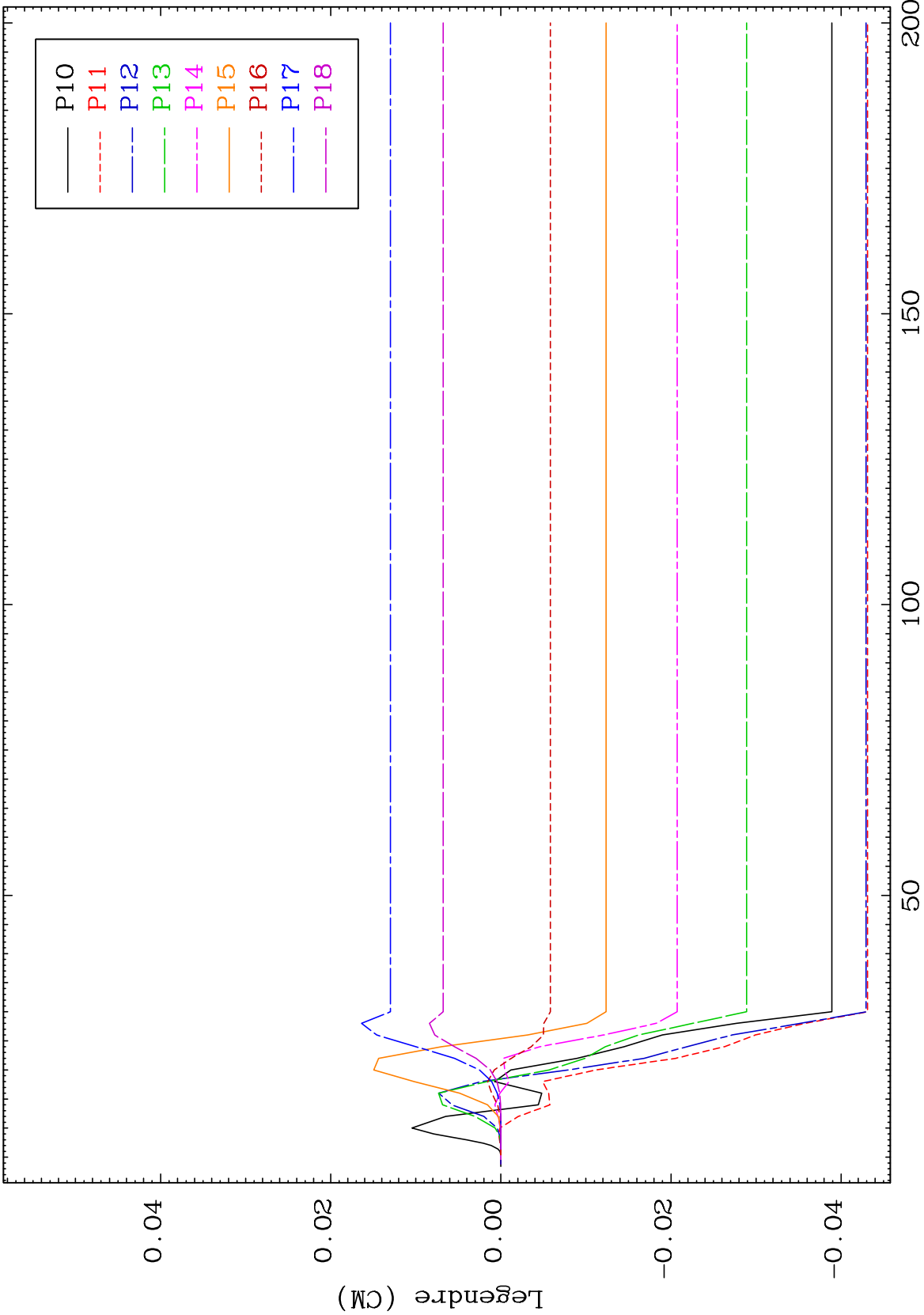
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MAT 6407

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

64-Gd-146



48

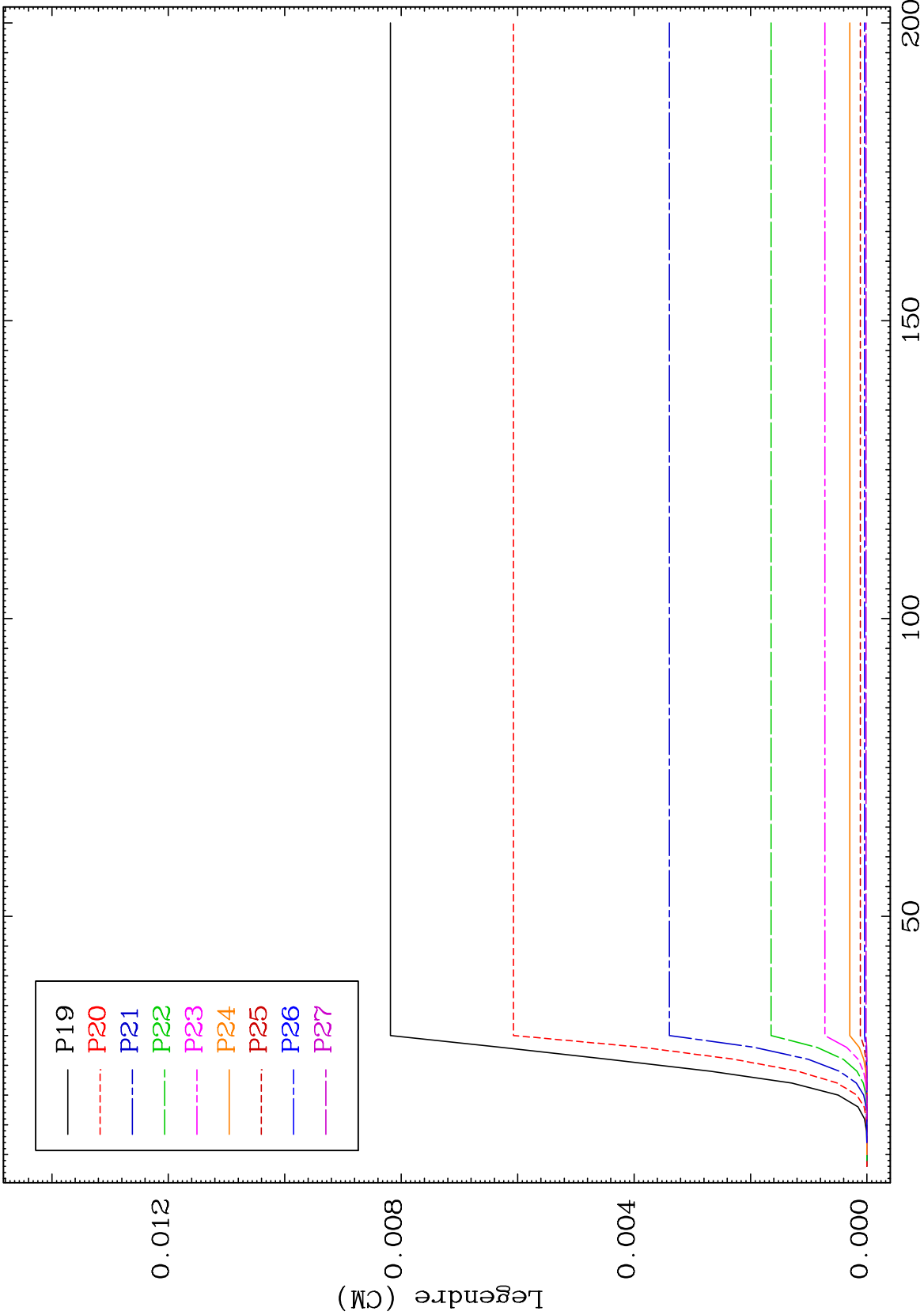
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



49

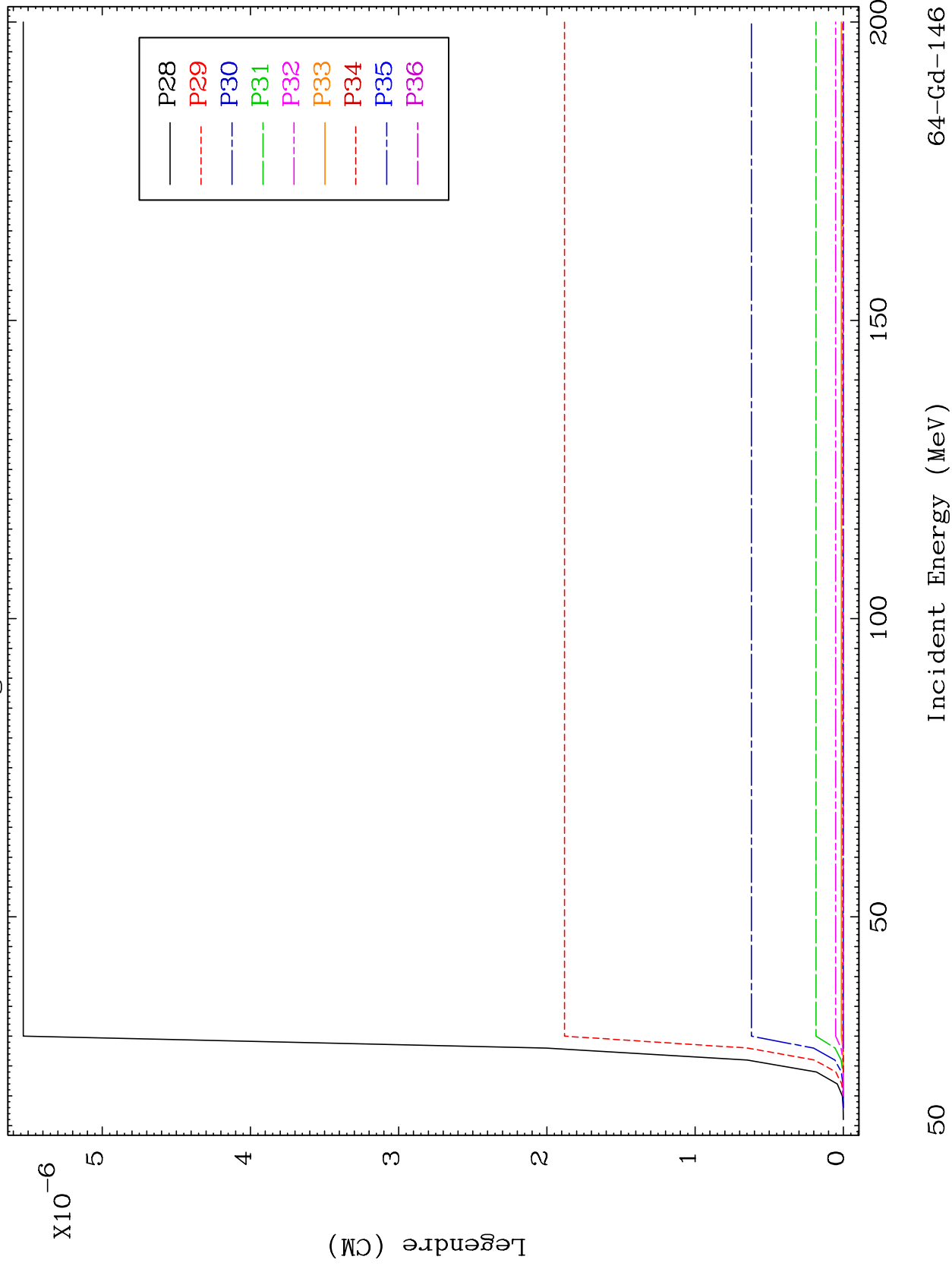
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

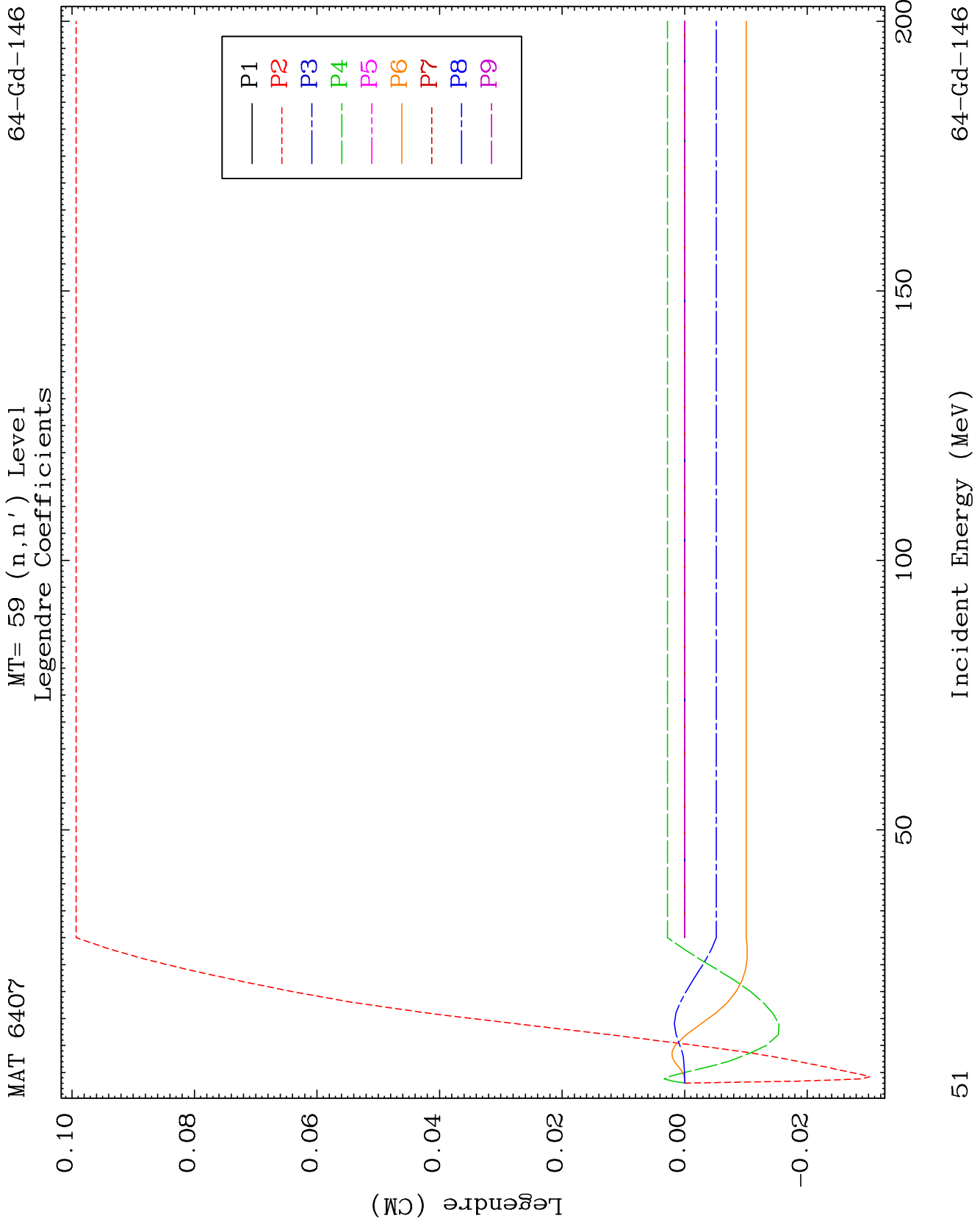
64-Gd-146



64-Gd-146

Incident Energy (MeV)

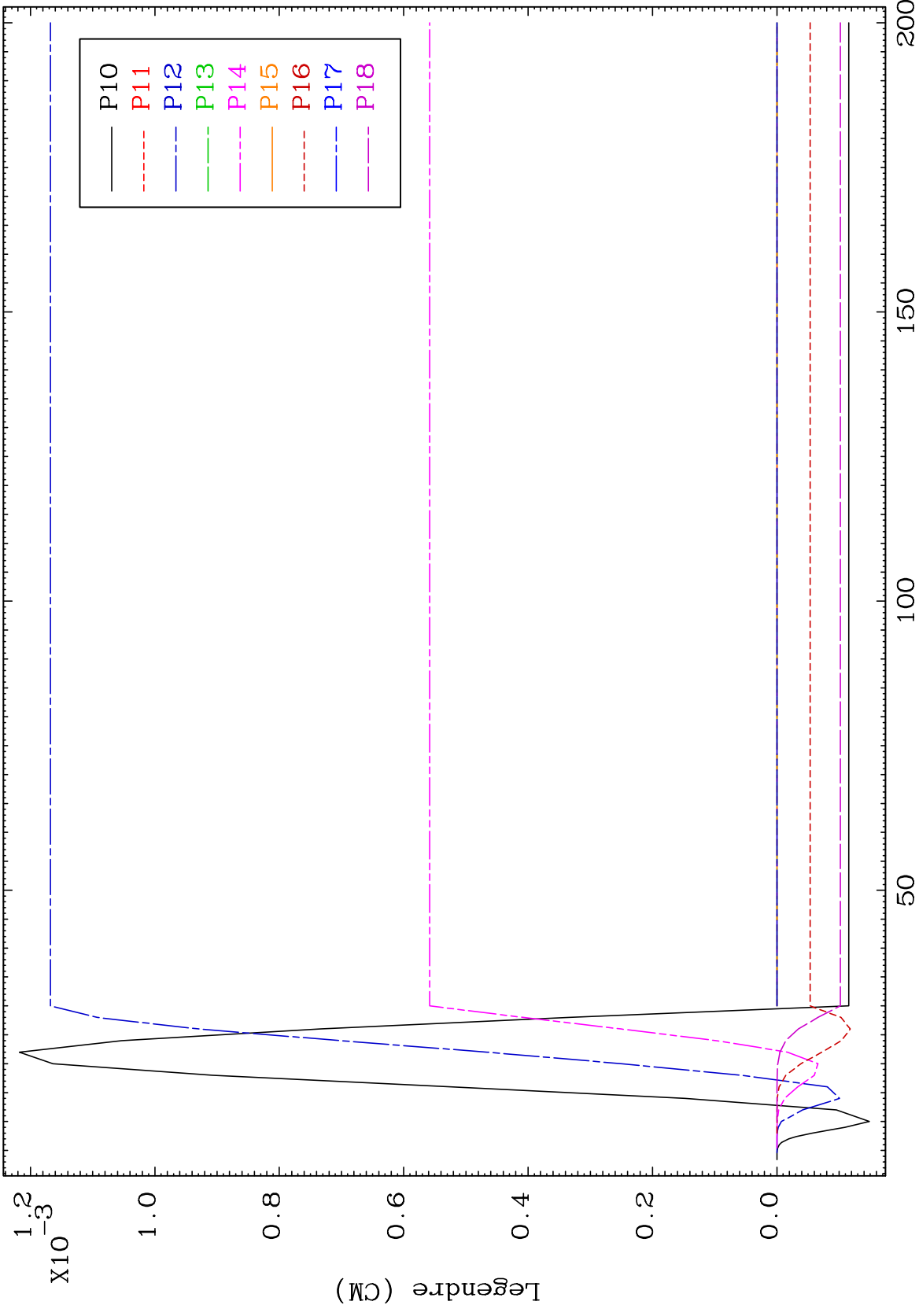
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MAT 6407

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

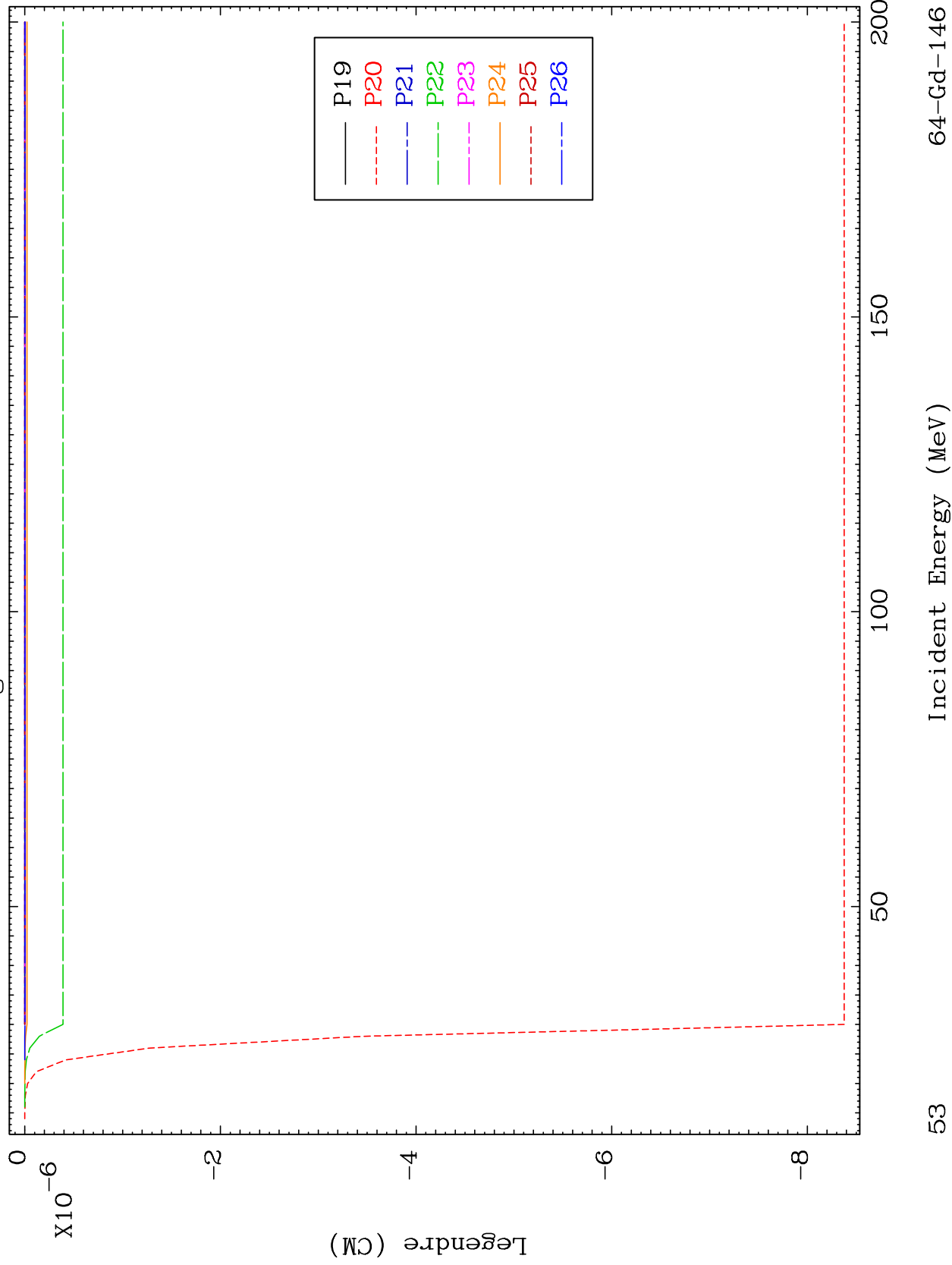
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MAT 6407

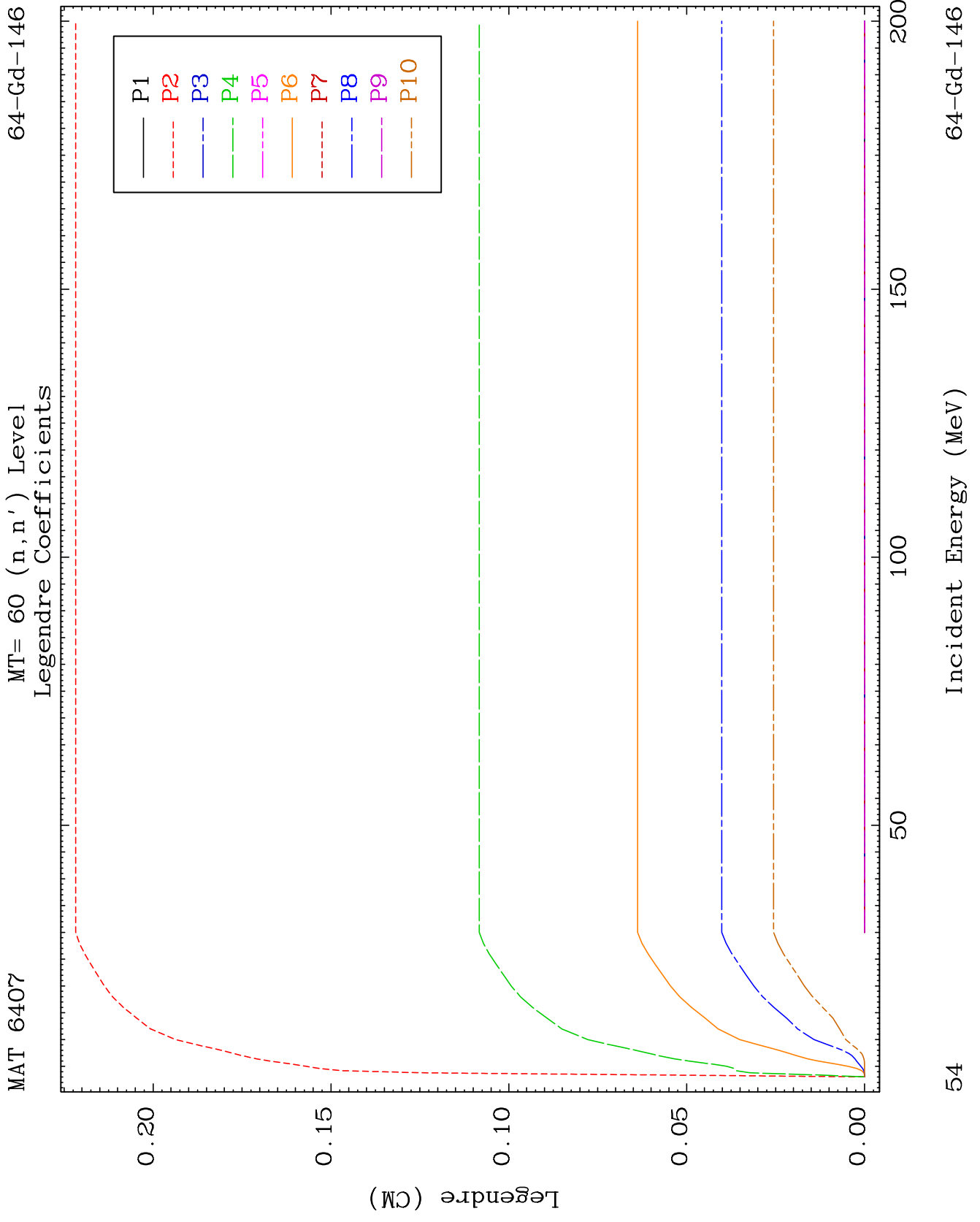
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Legendre Coefficients

64-Gd-146



53

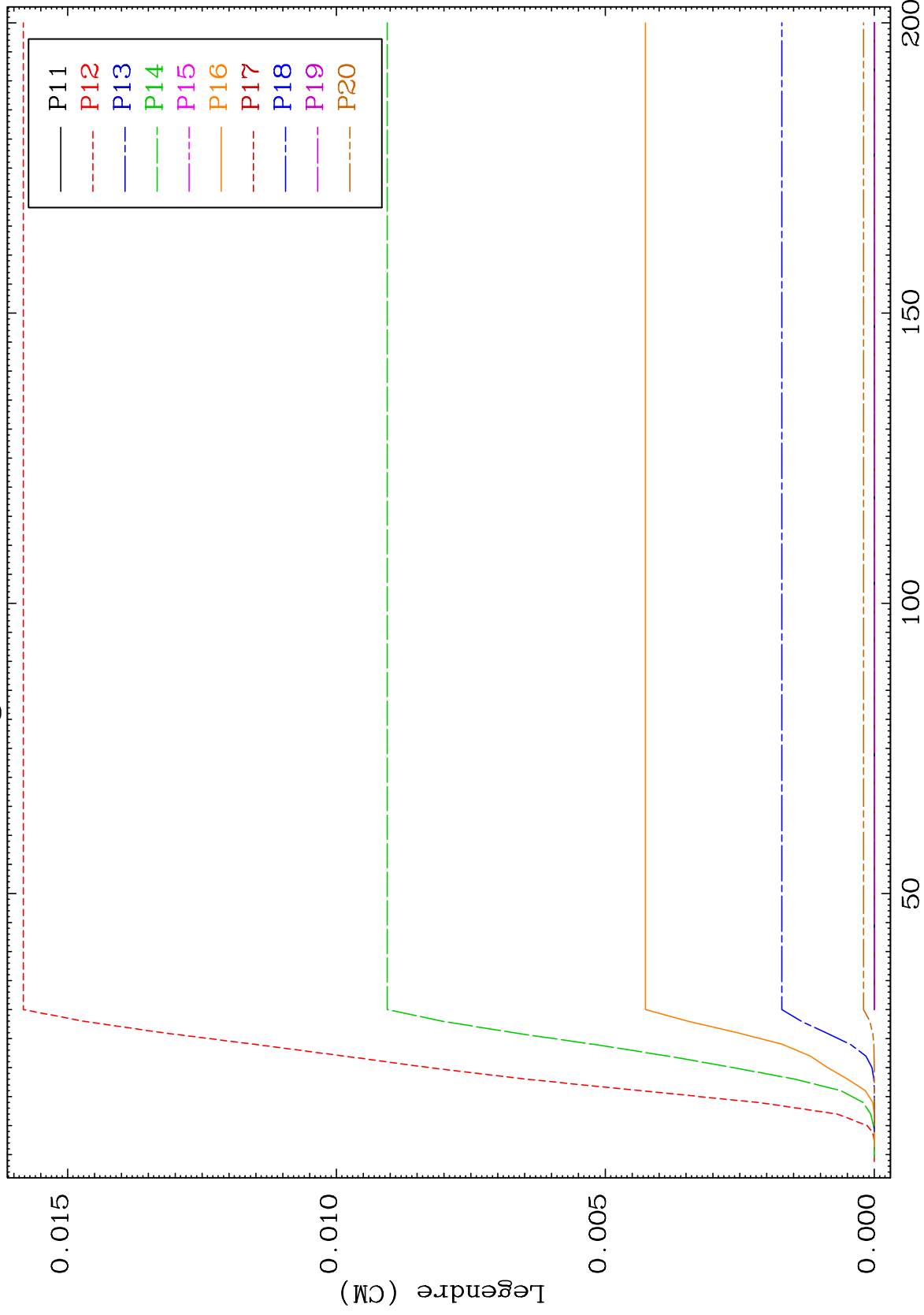
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MAT 6407

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

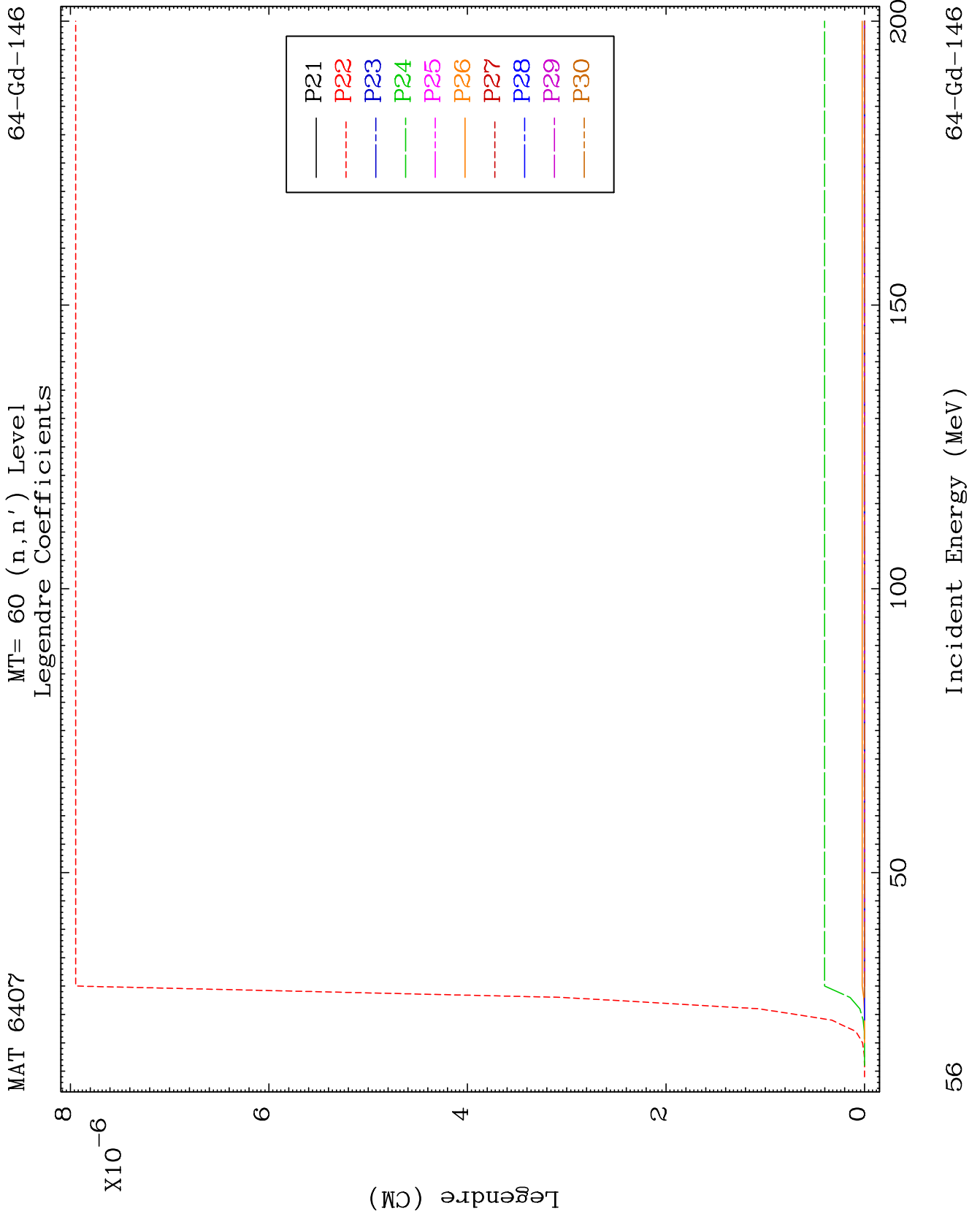
64-Gd-146



55

Incident Energy (MeV)

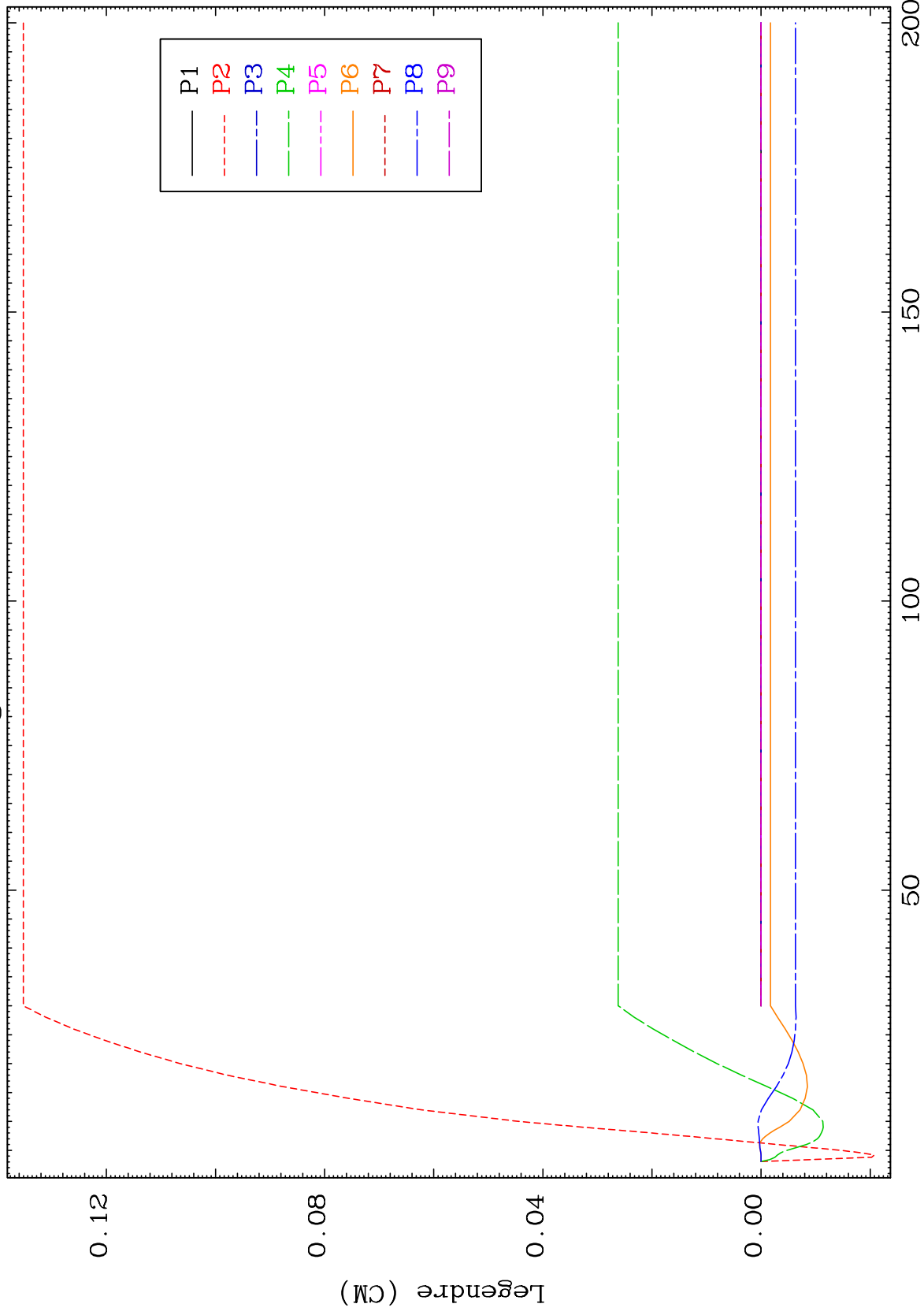
64-Gd-146



MAT 6407

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

64-Gd-146



57

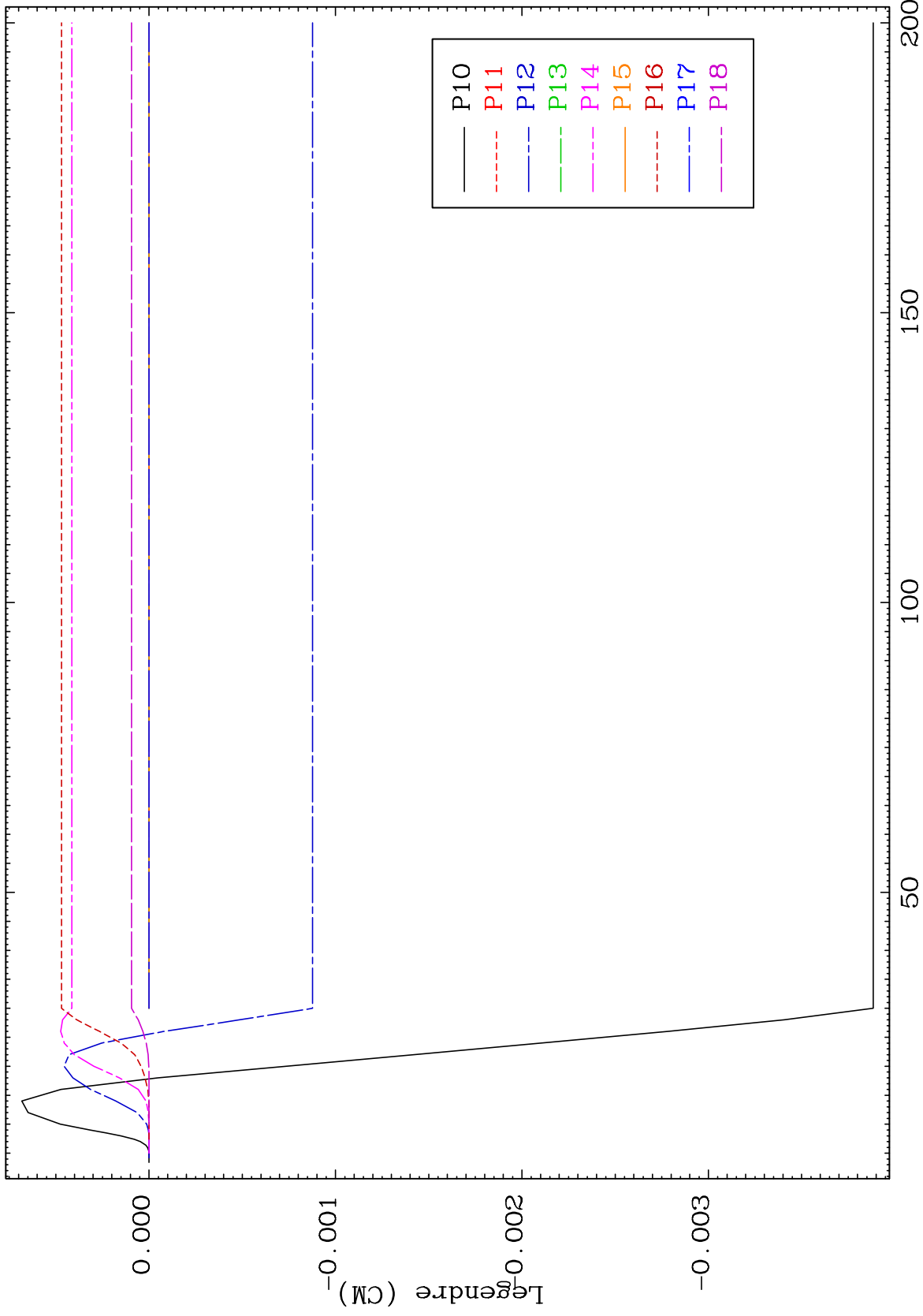
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

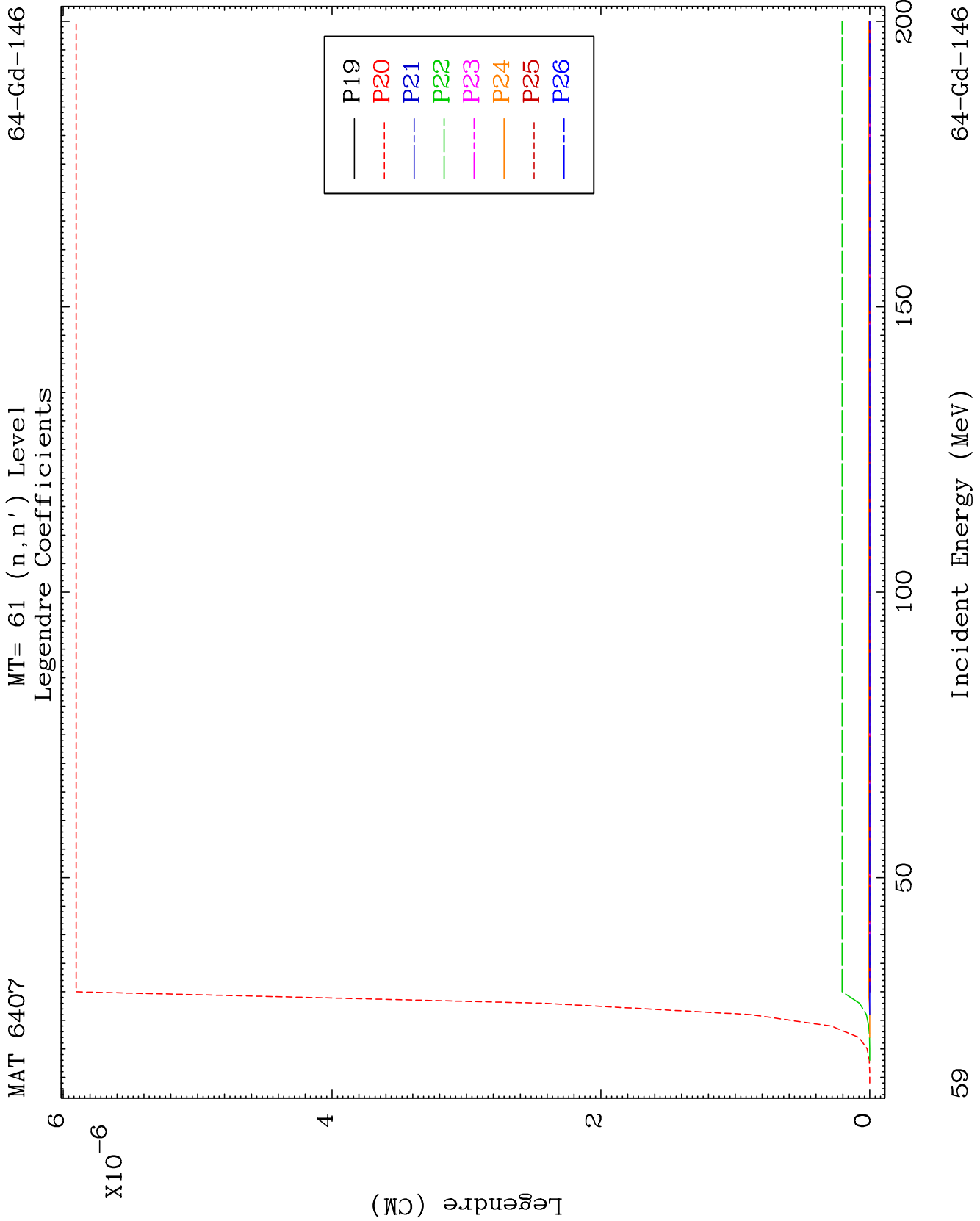
64-Gd-146



58

Incident Energy (MeV)

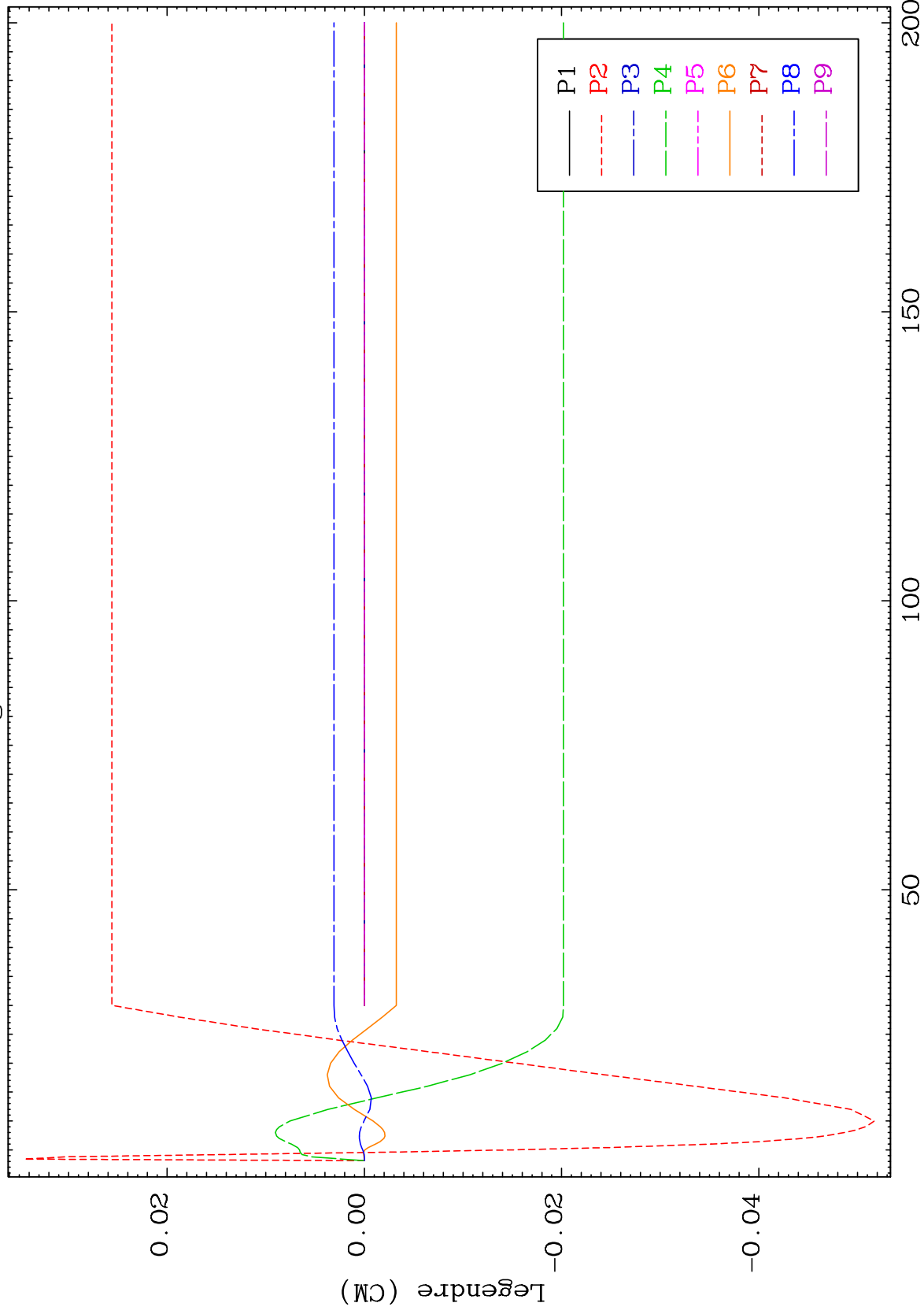
64-Gd-146



MAT 6407

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

64-Gd-146



64-Gd-146

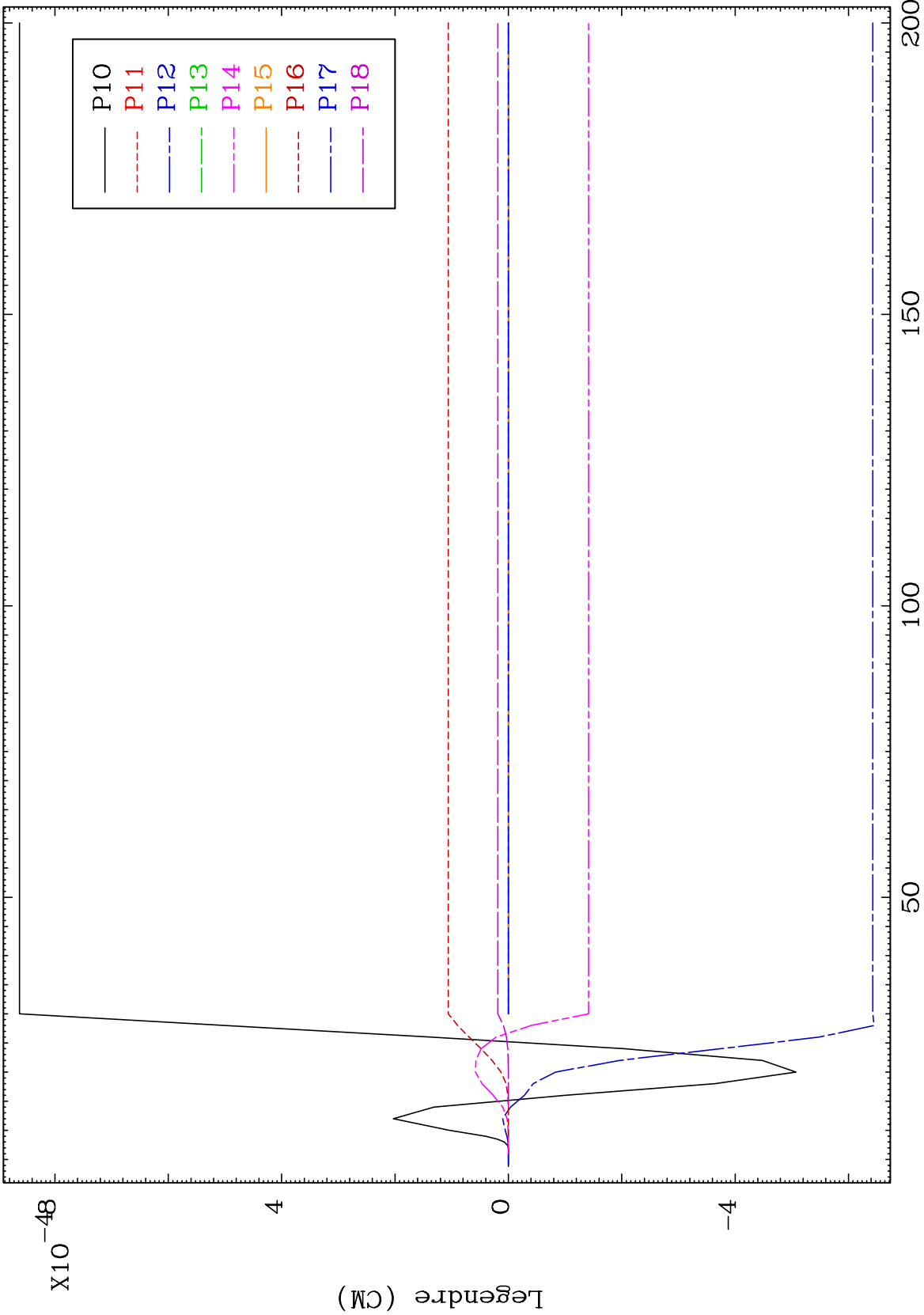
Incident Energy (MeV)

60

MAT 6407

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

64-Gd-146



61

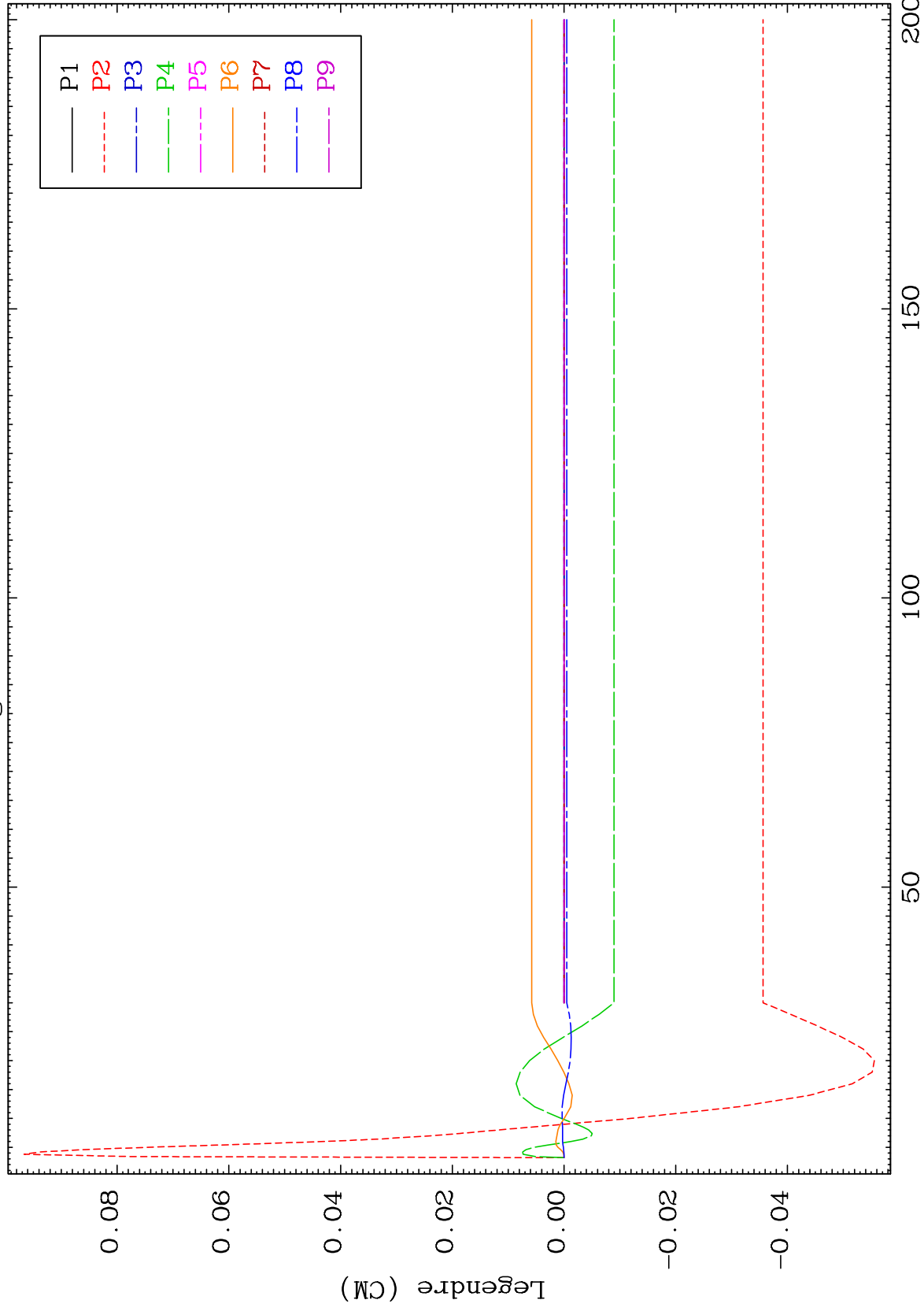
64-Gd-146



MAT 6407

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

64-Gd-146



63

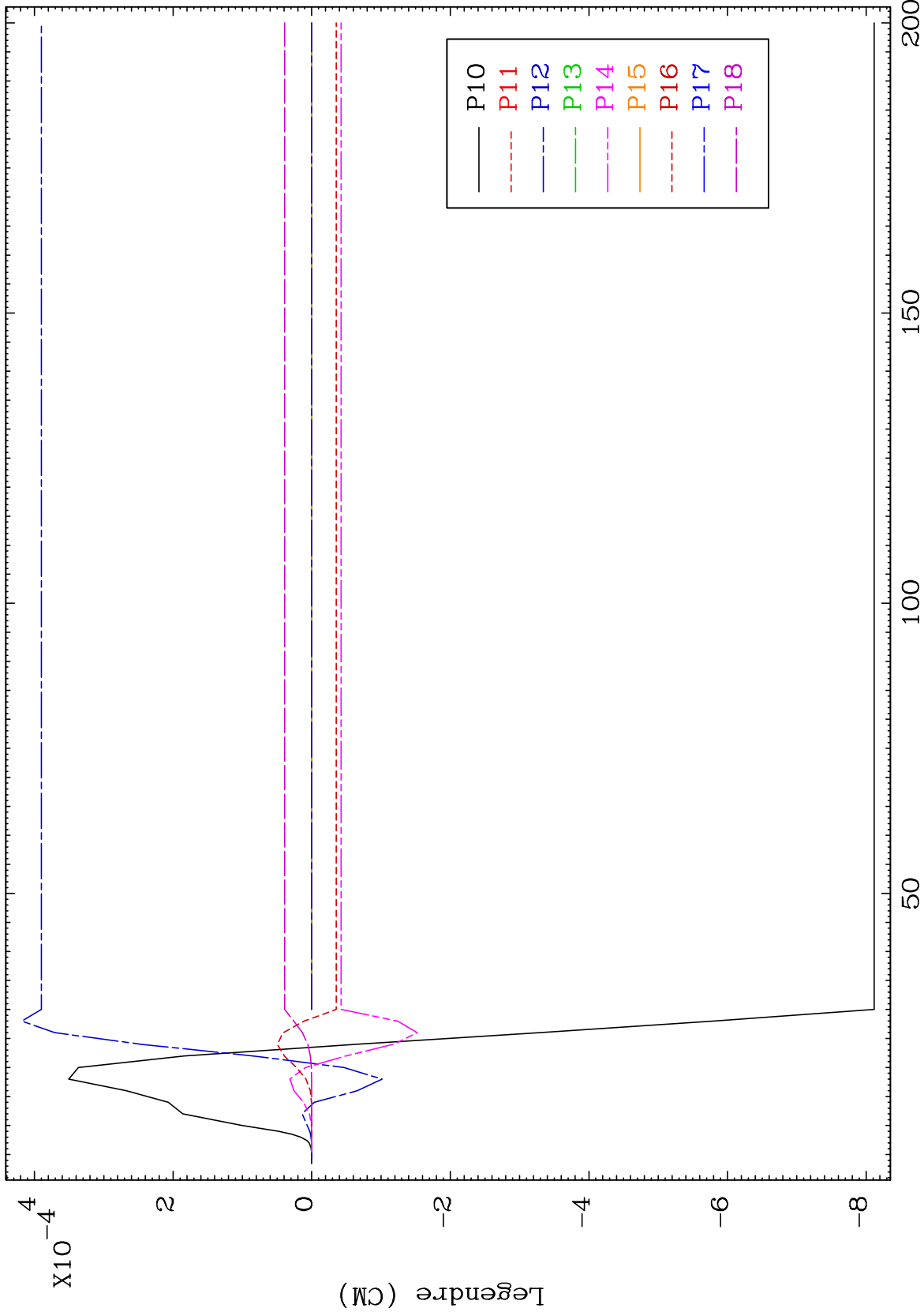
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64

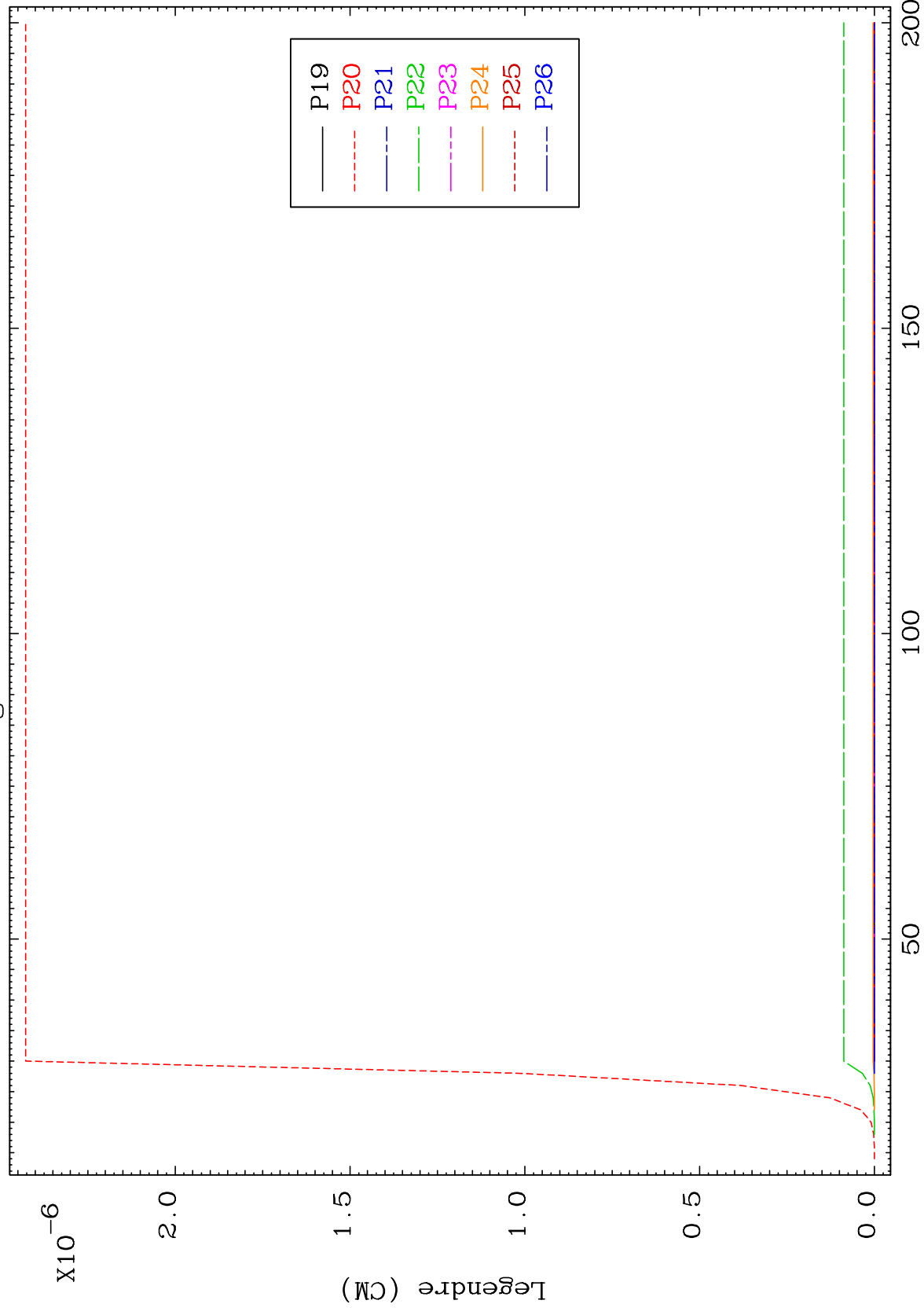
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



65

Incident Energy (MeV)

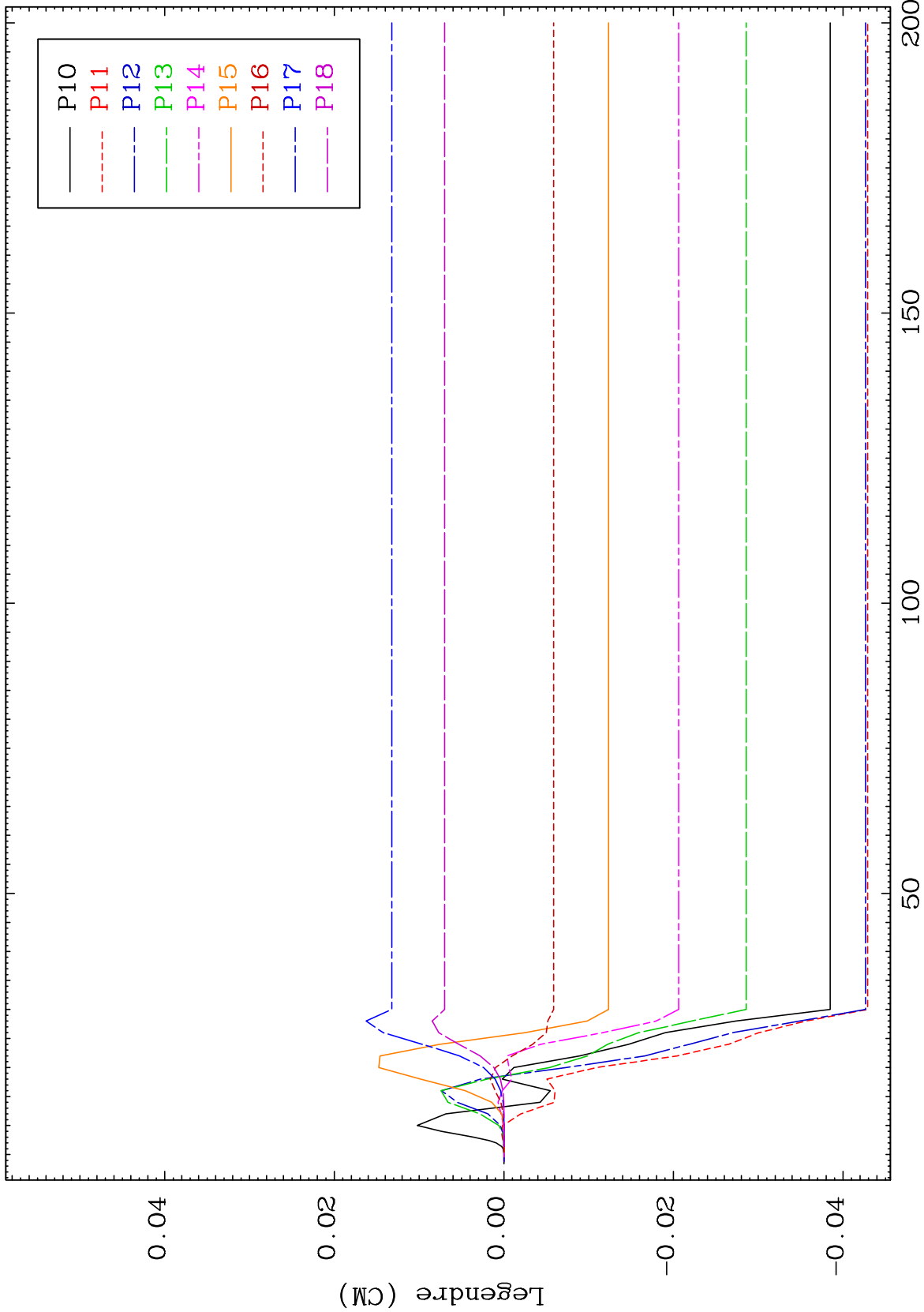
64-Gd-146



MAT 6407

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

64-Gd-146



67

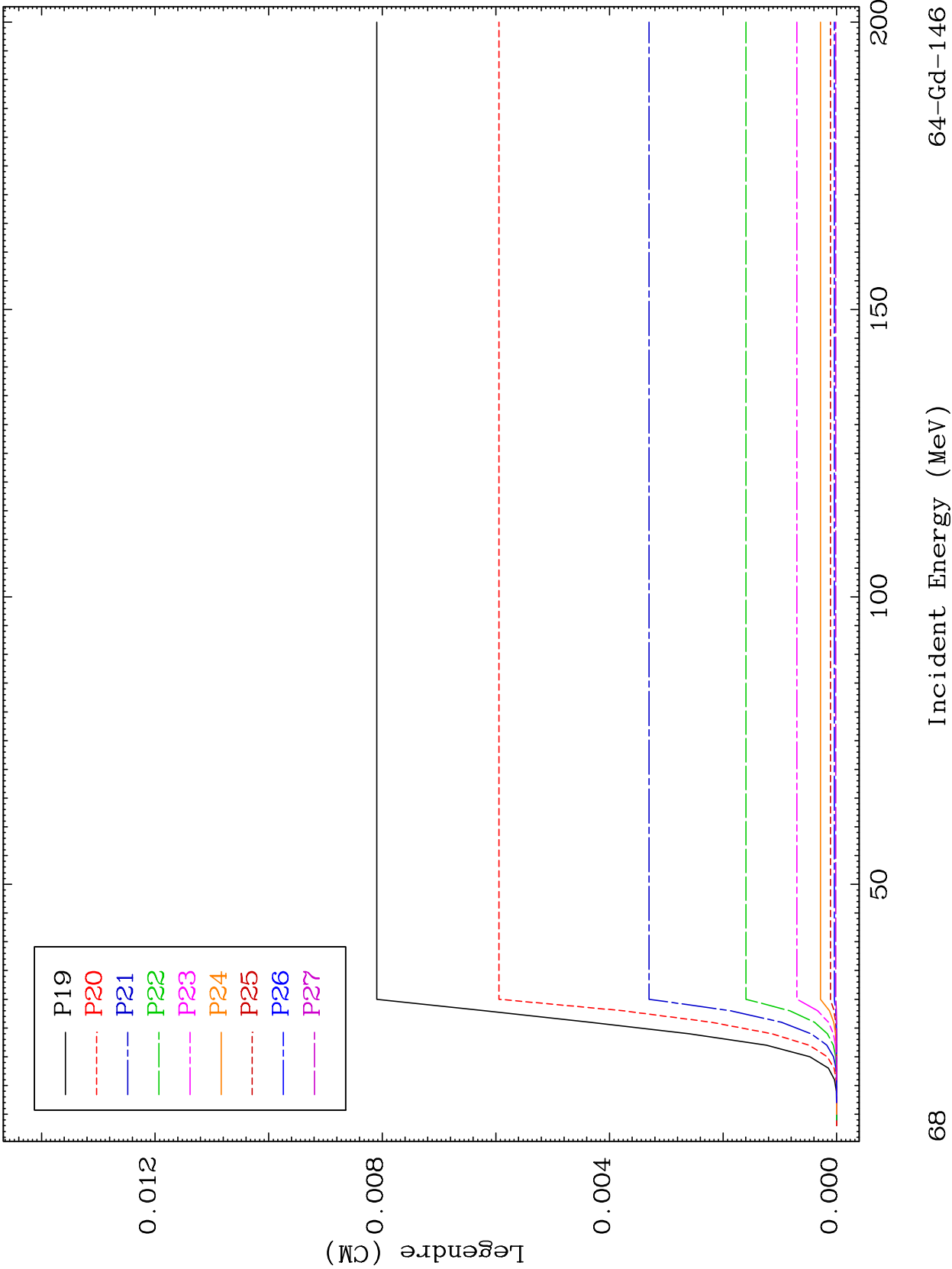
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



68

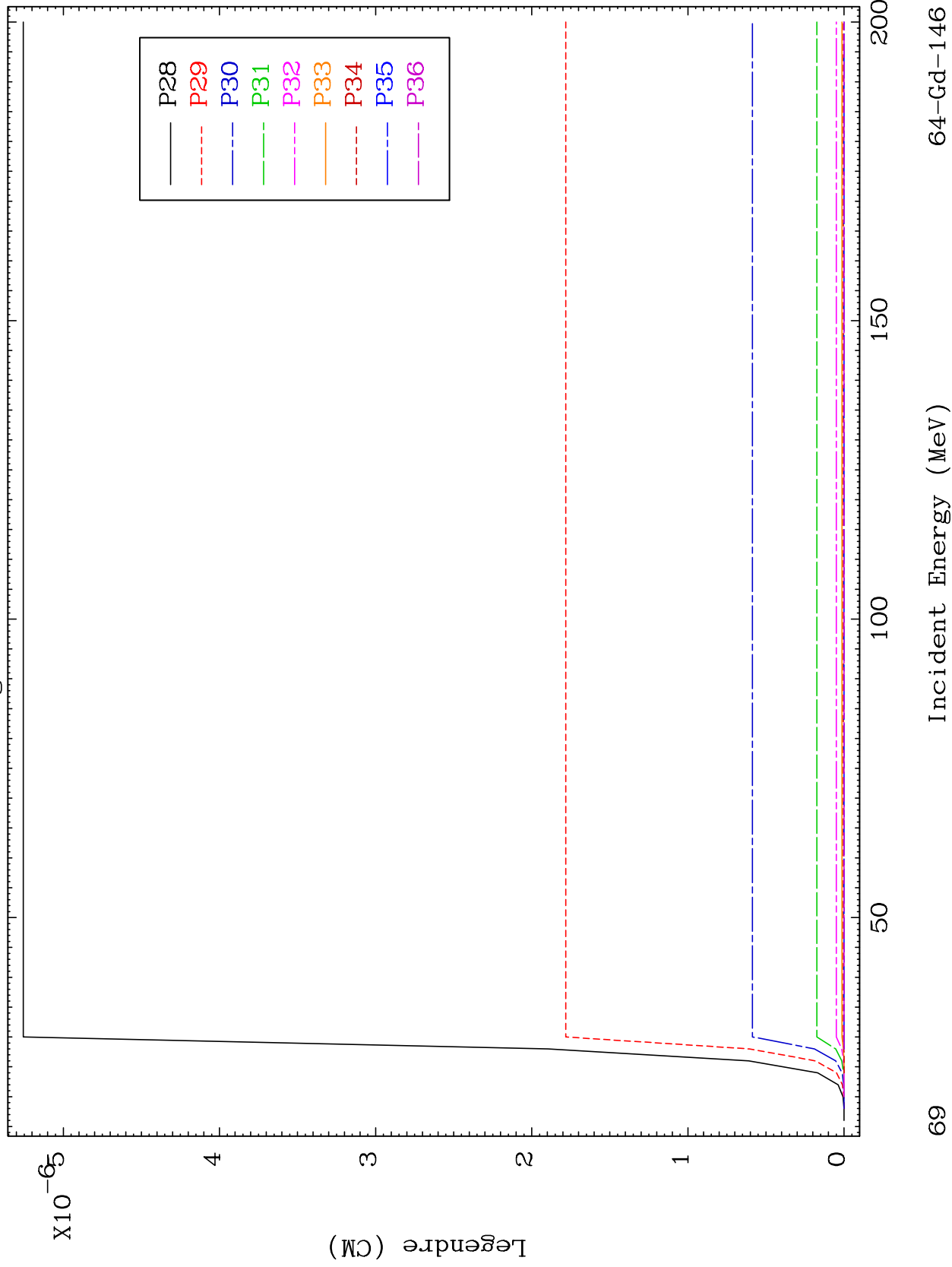
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146

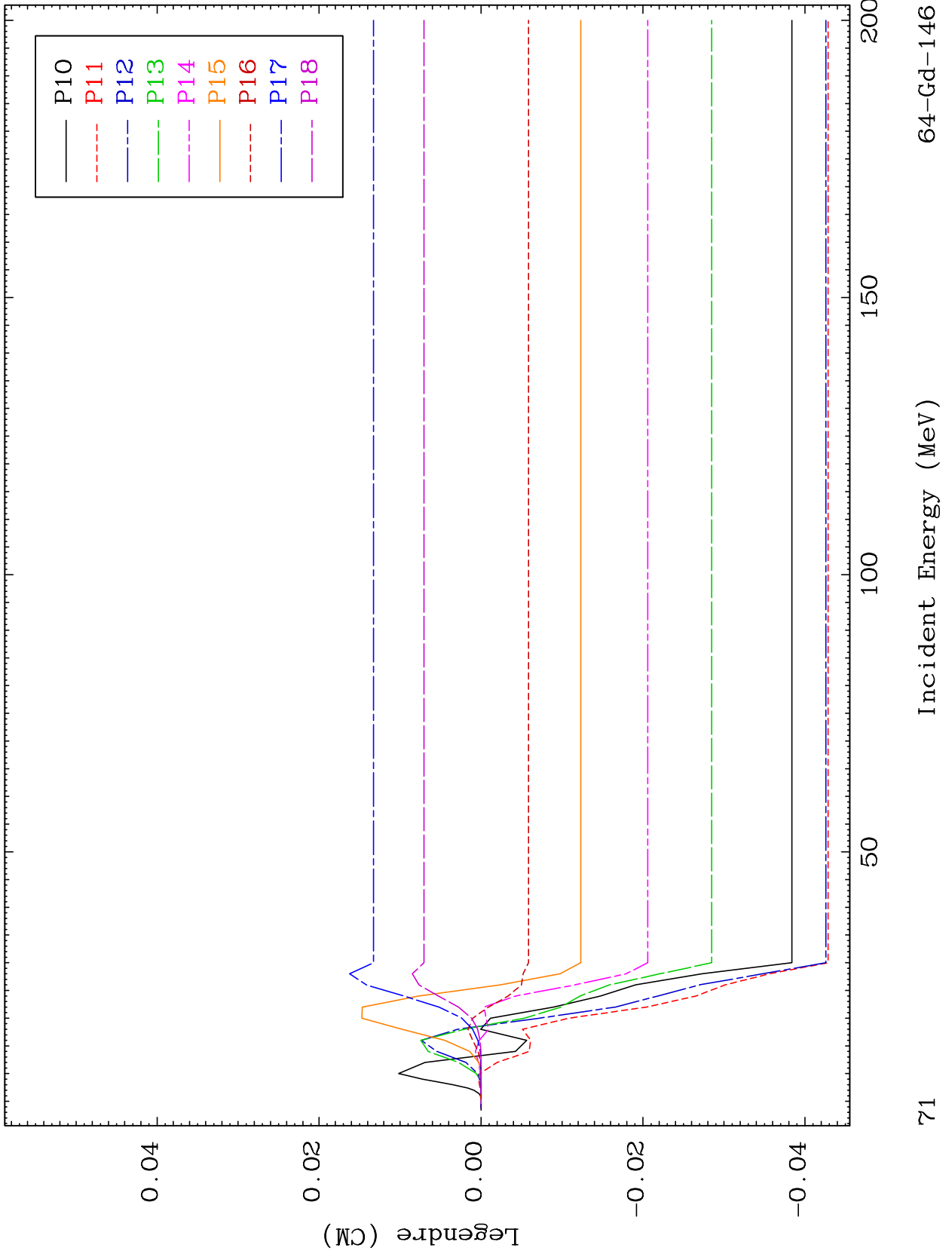




MAT 6407

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

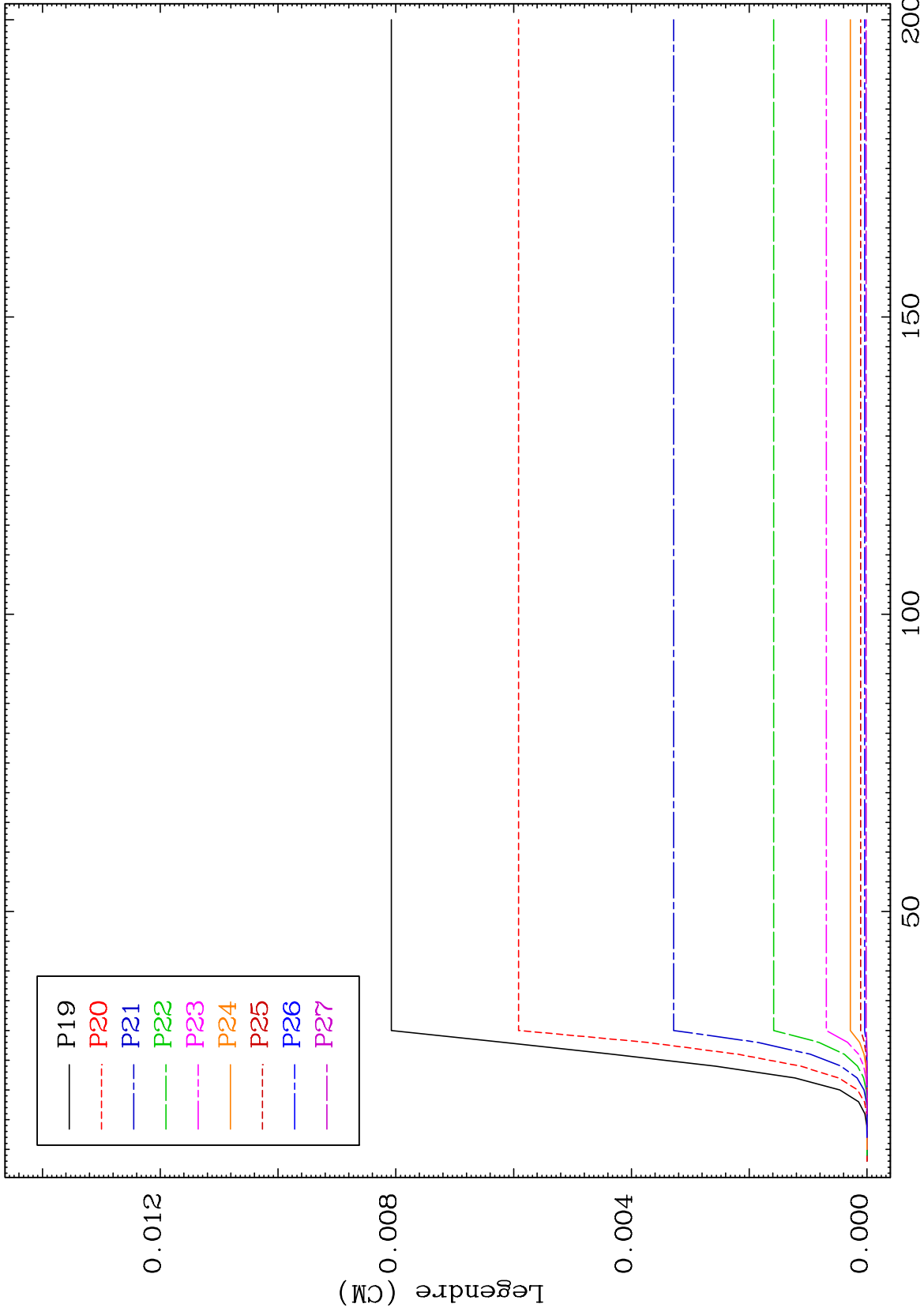
64-Gd-146



MAT 6407

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

64-Gd-146



72

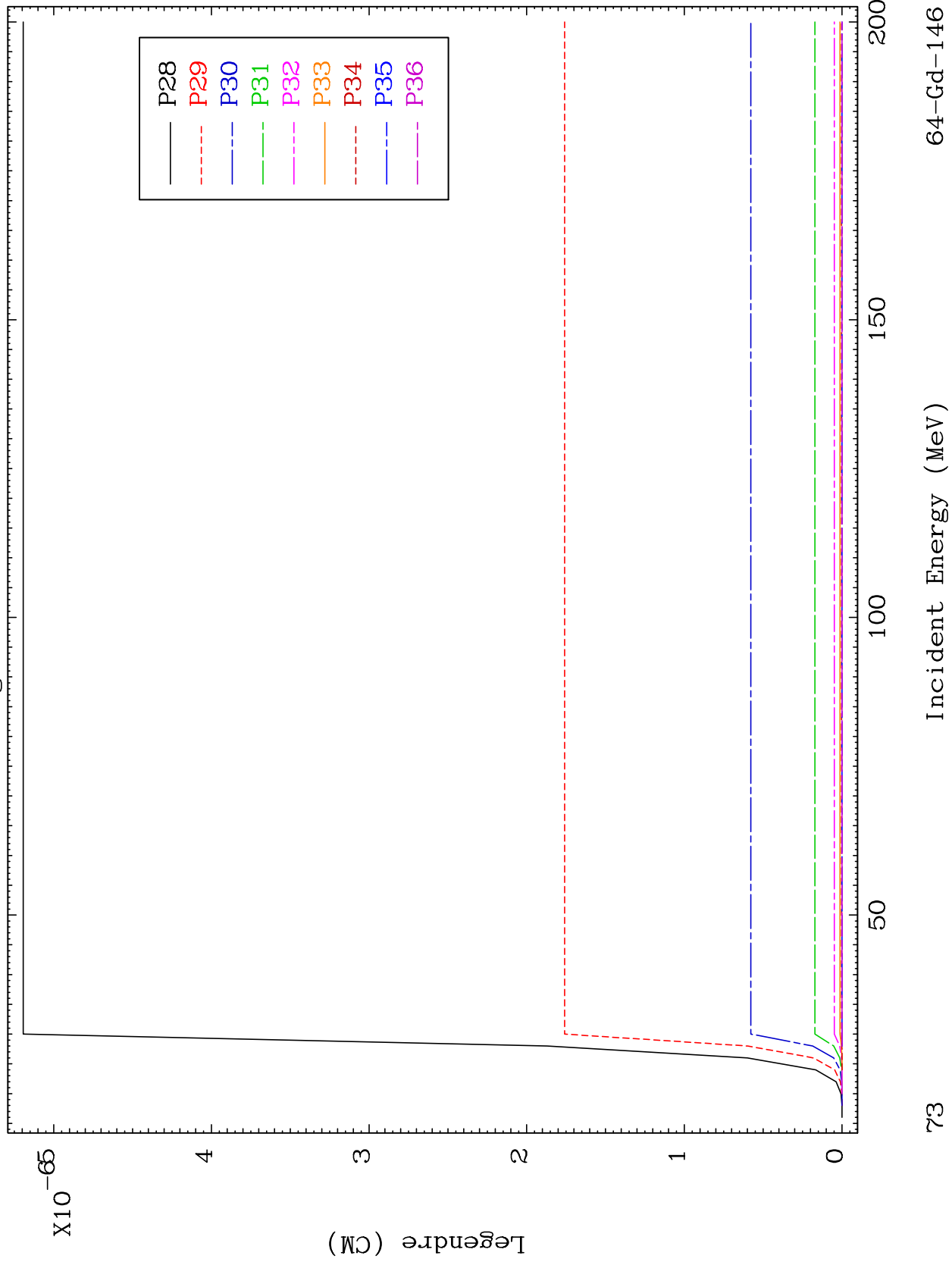
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

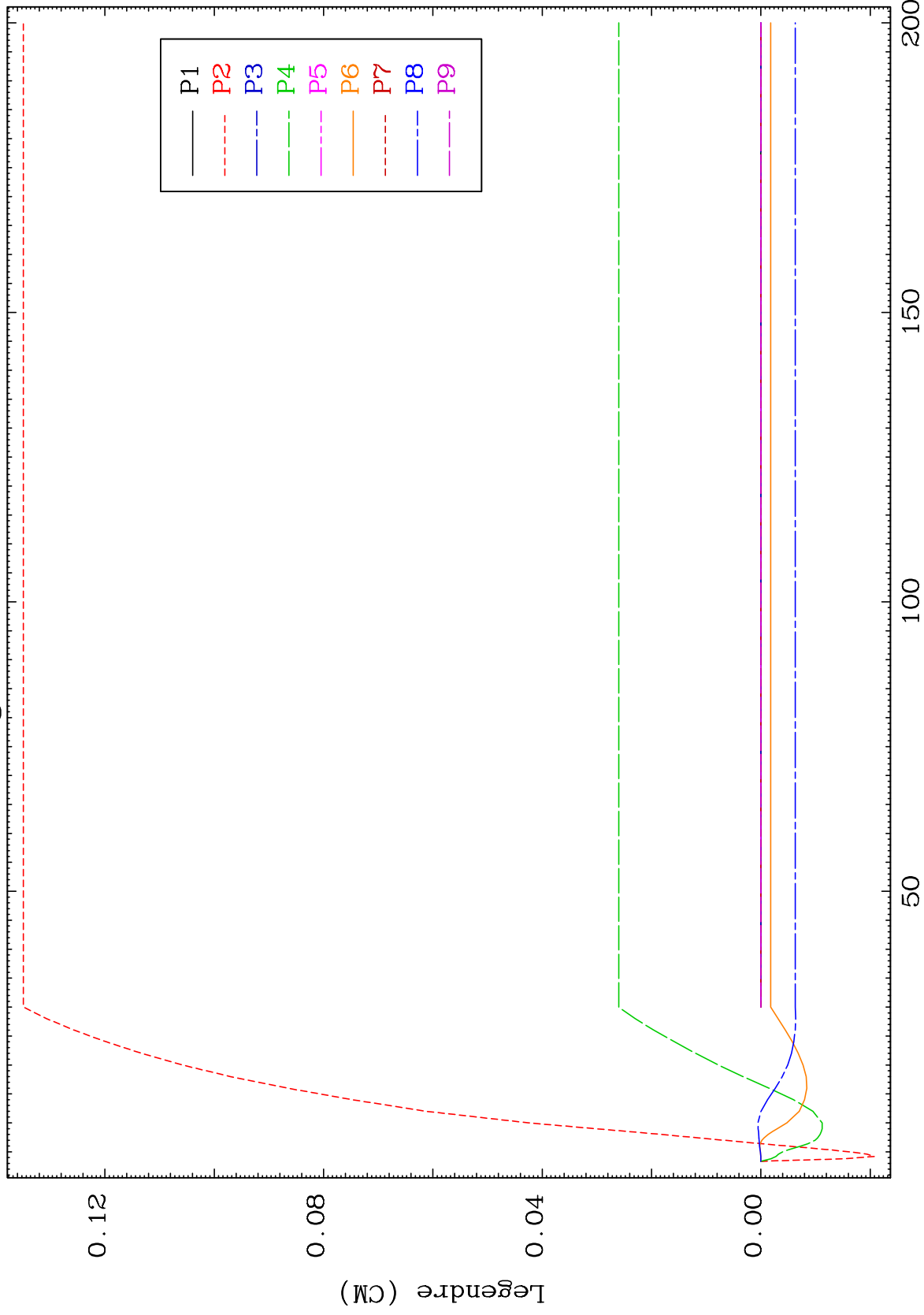
64-Gd-146



MAT 6407

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

64-Gd-146



74

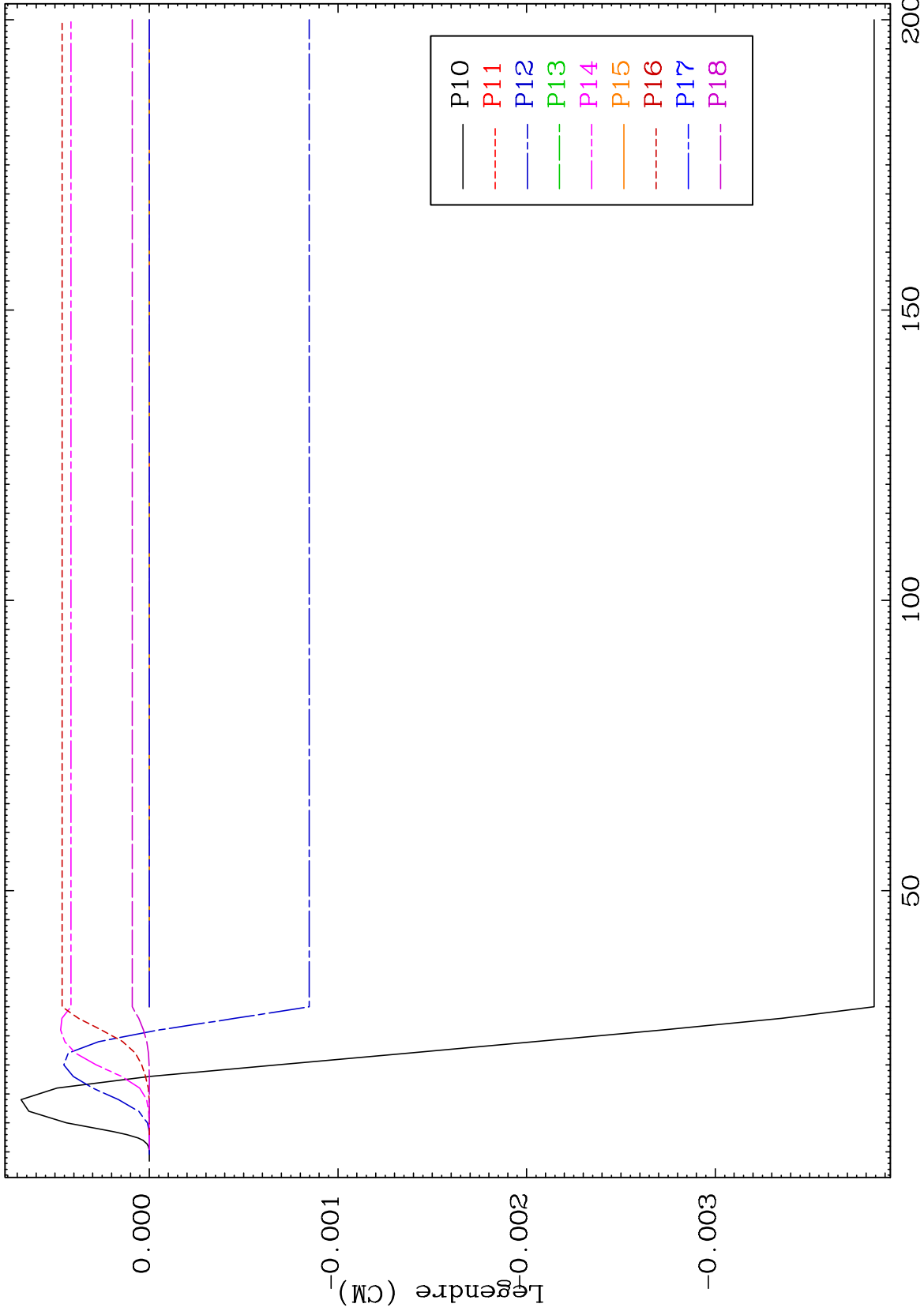
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

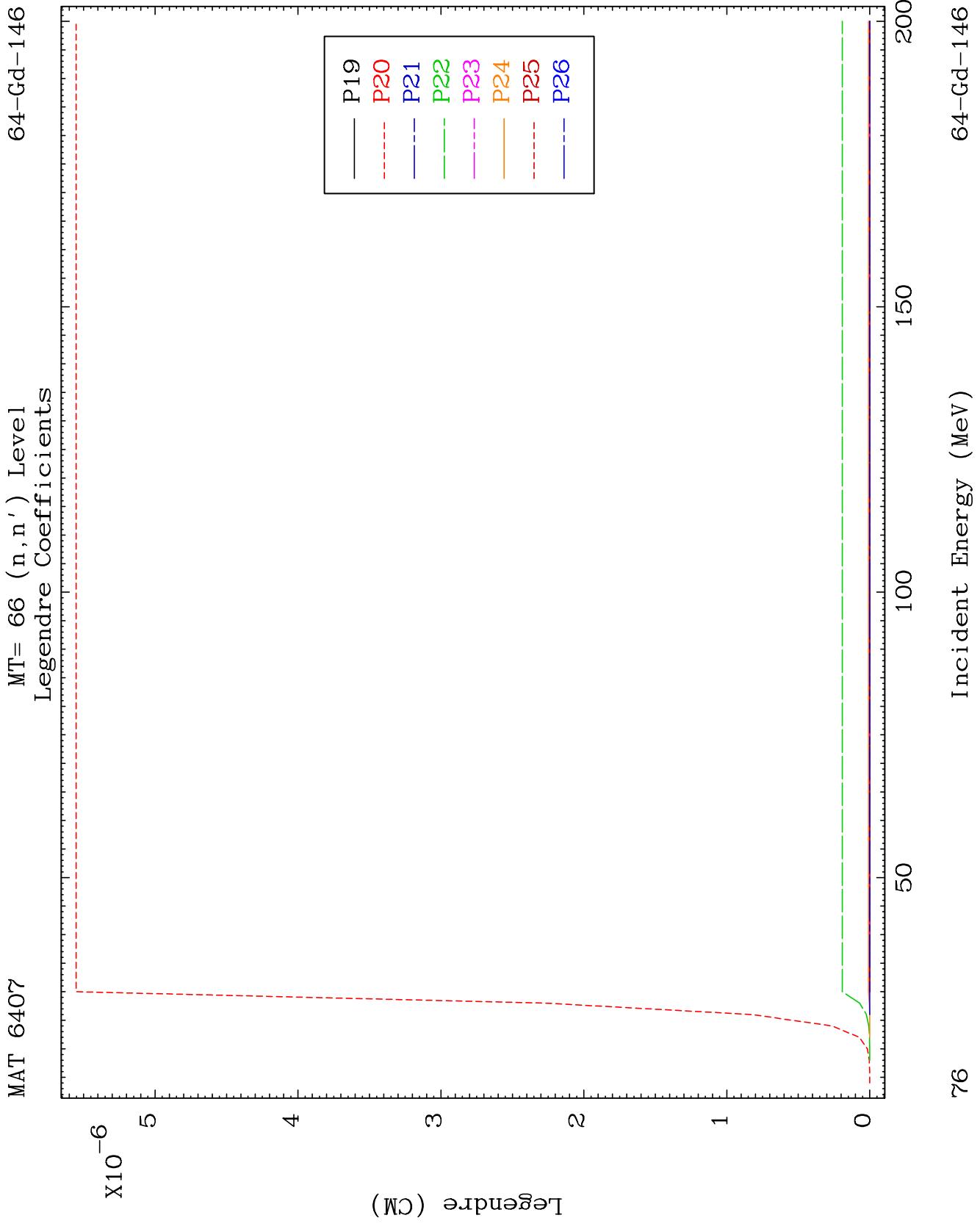
64-Gd-146



75

Incident Energy (MeV)

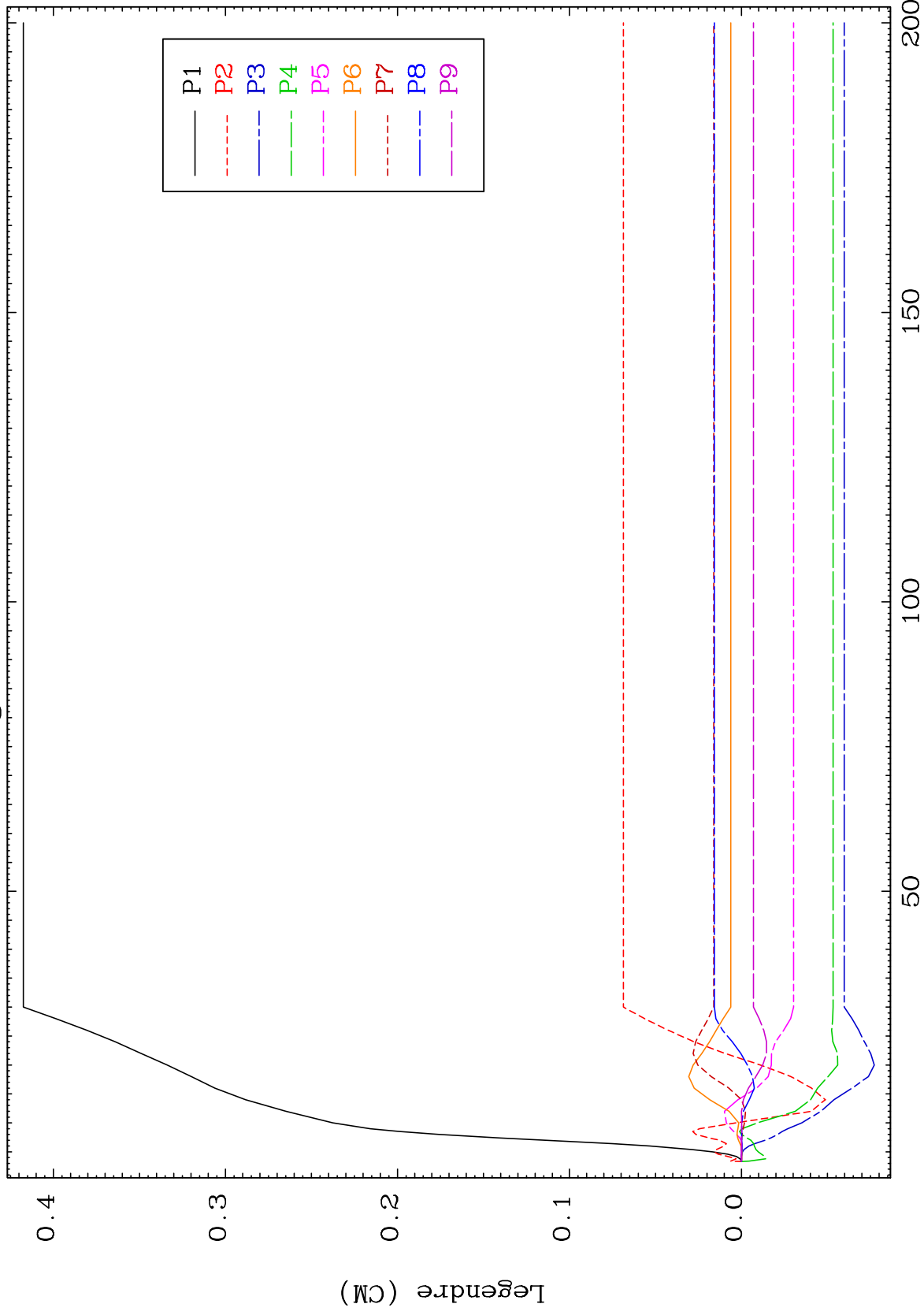
64-Gd-146



MAT 6407

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

64-Gd-146



77

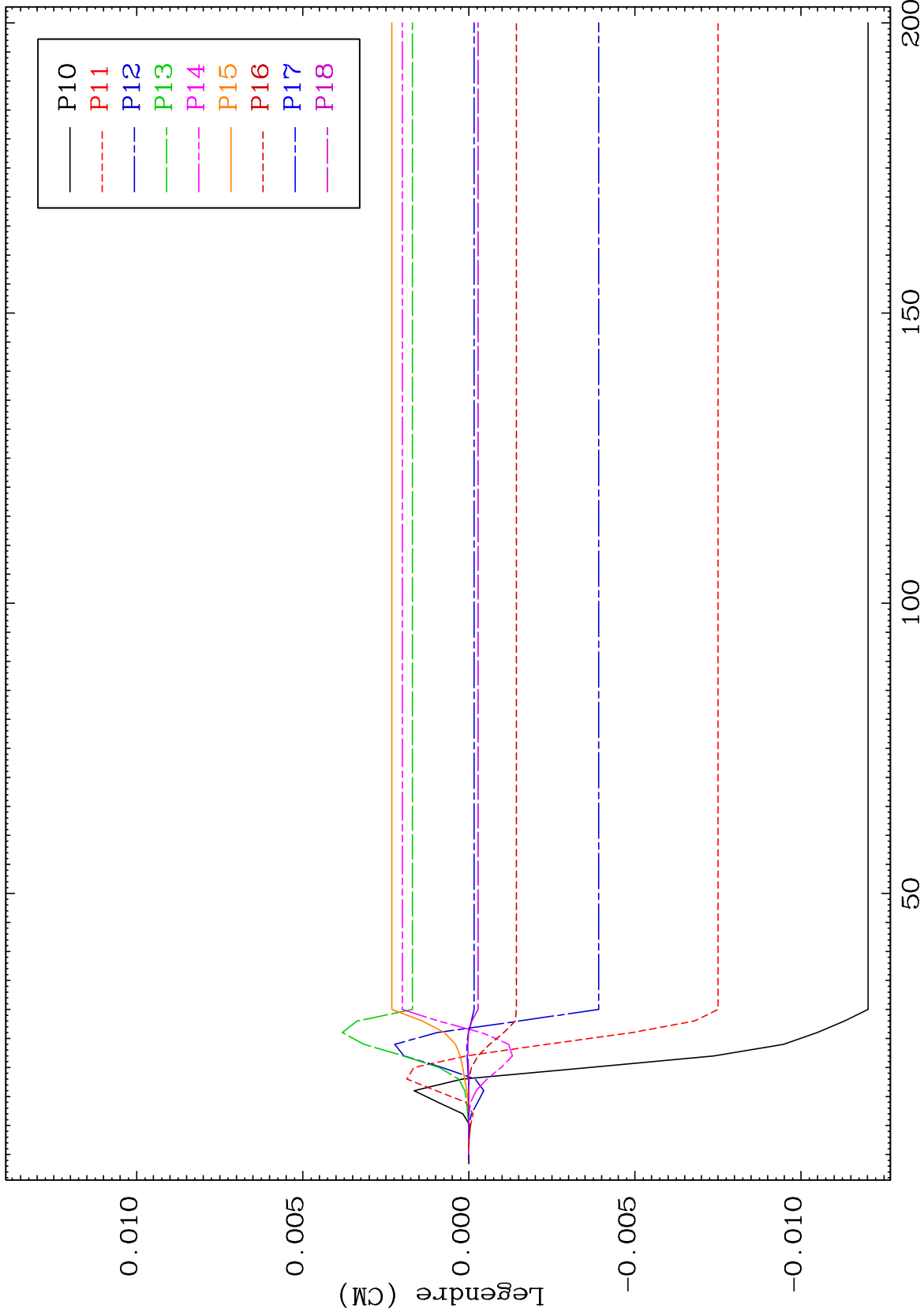
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



78

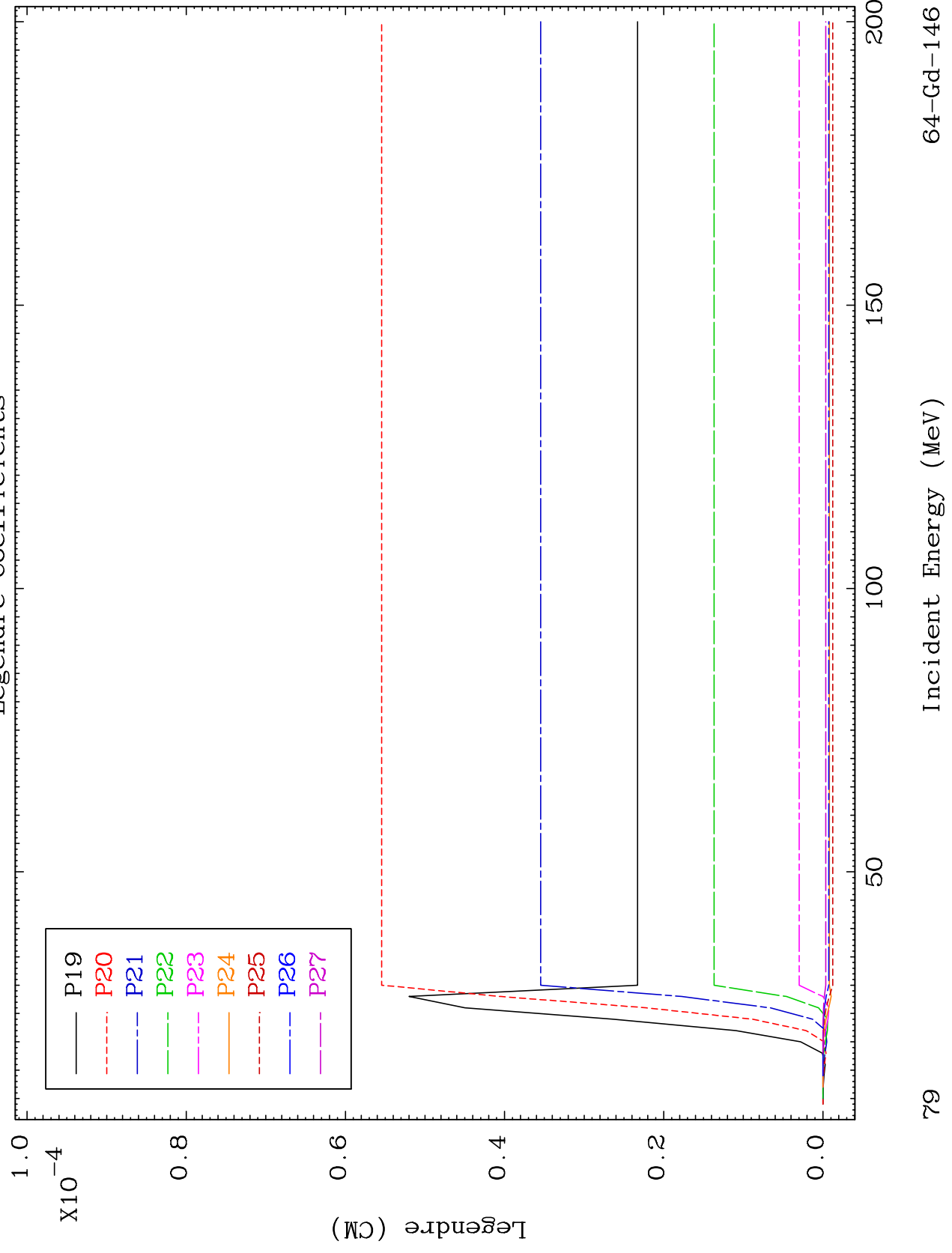
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

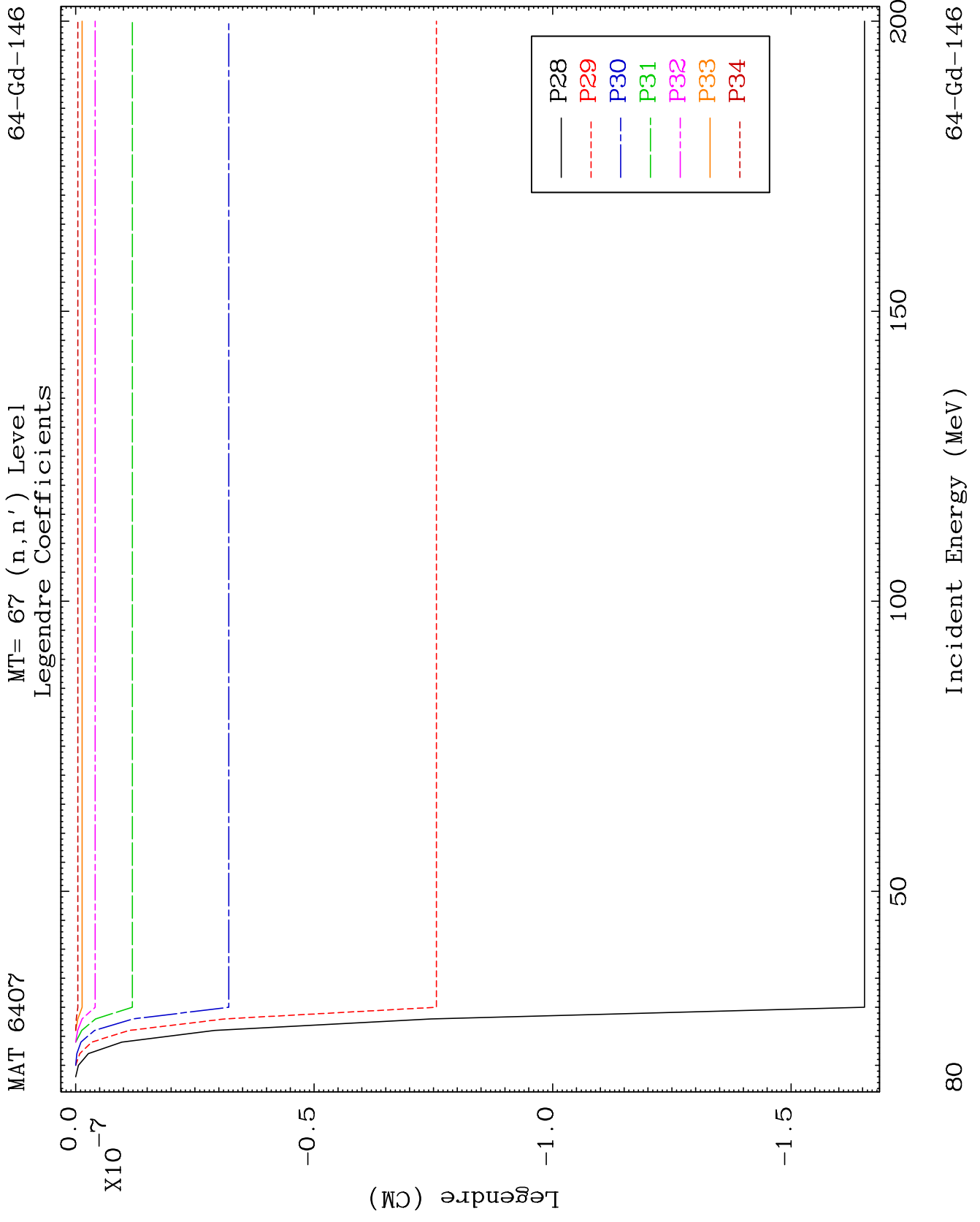
64-Gd-146



79

Incident Energy (MeV)

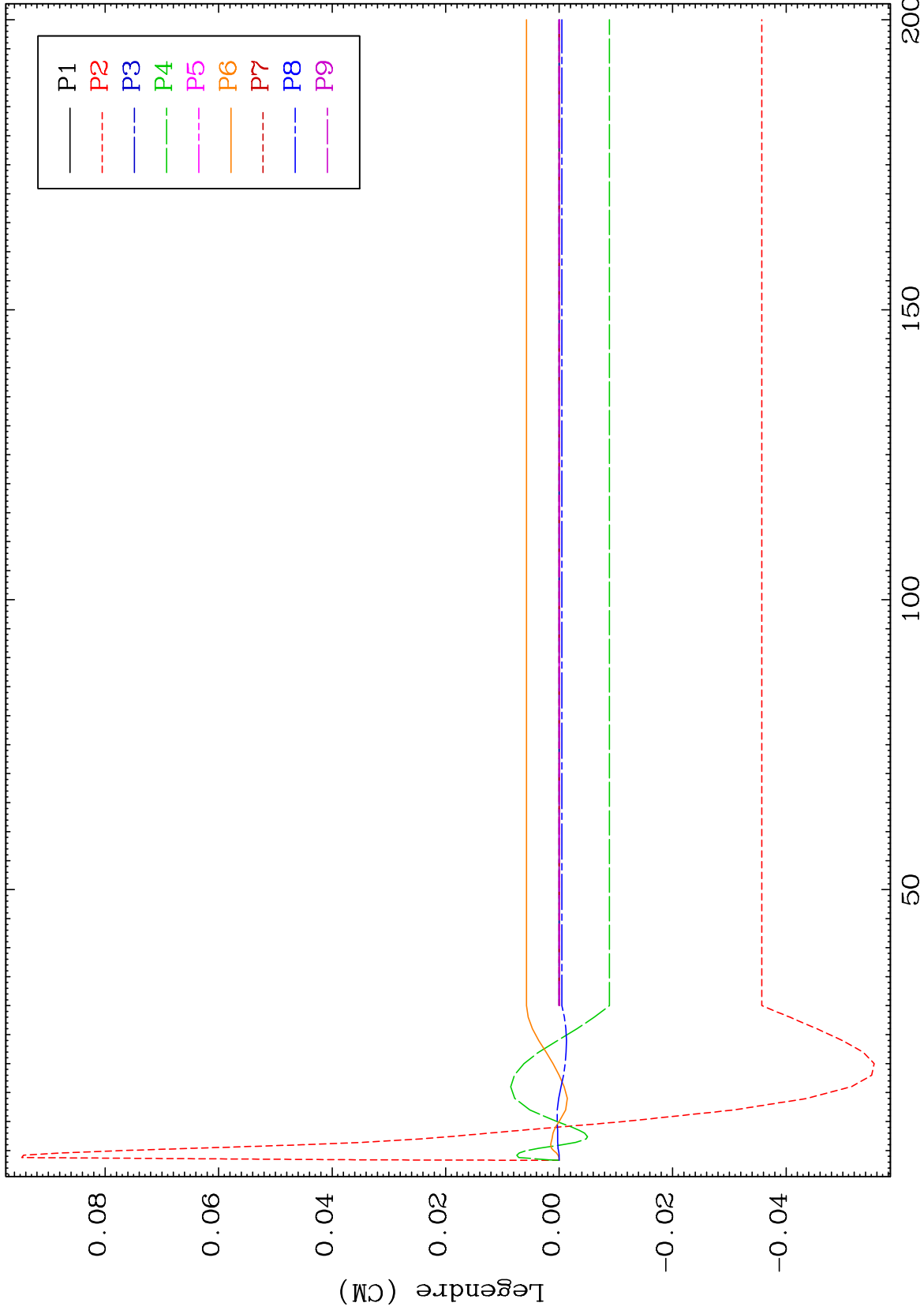
64-Gd-146



MAT 6407

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

64-Gd-146



81

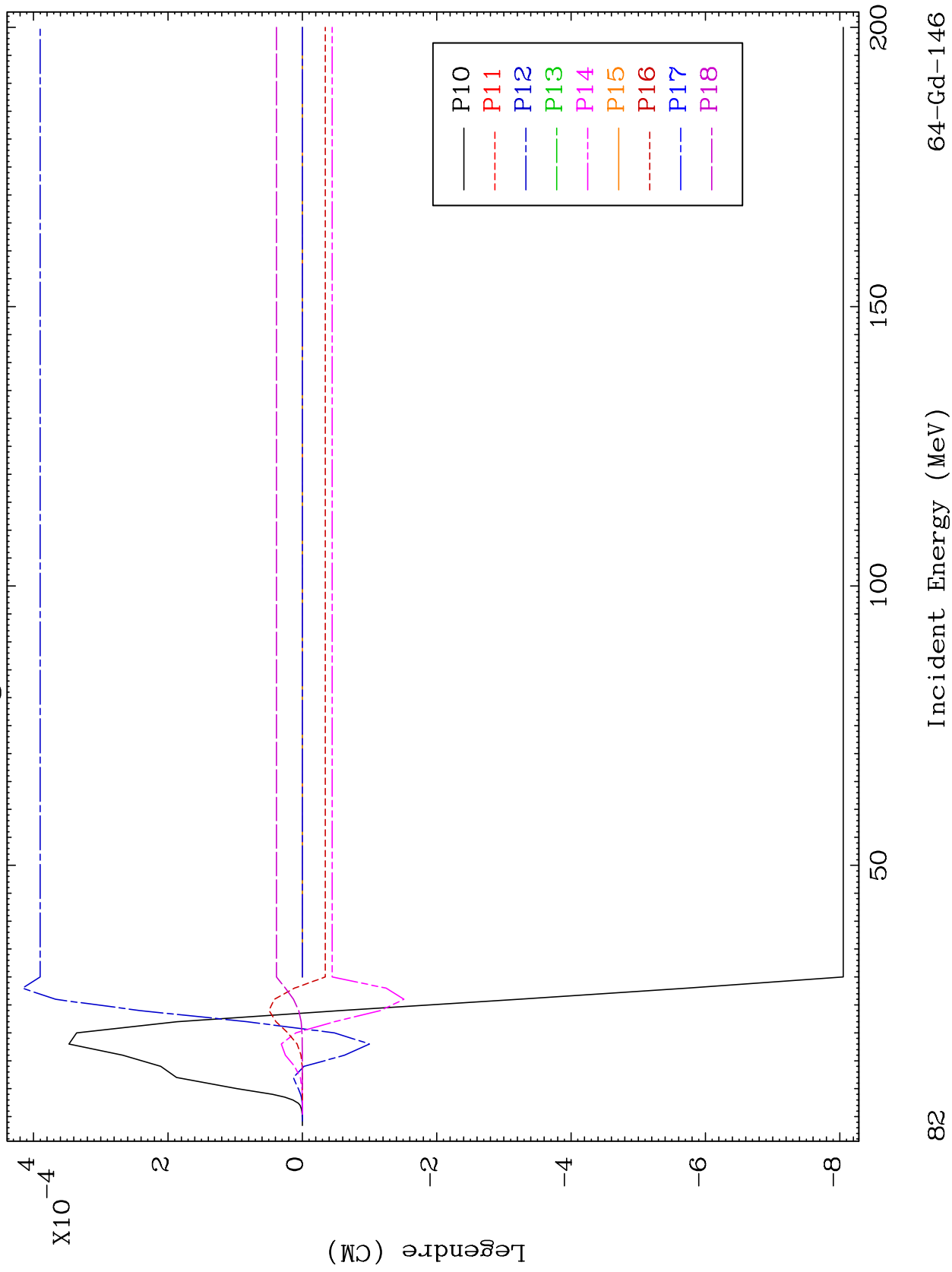
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



82

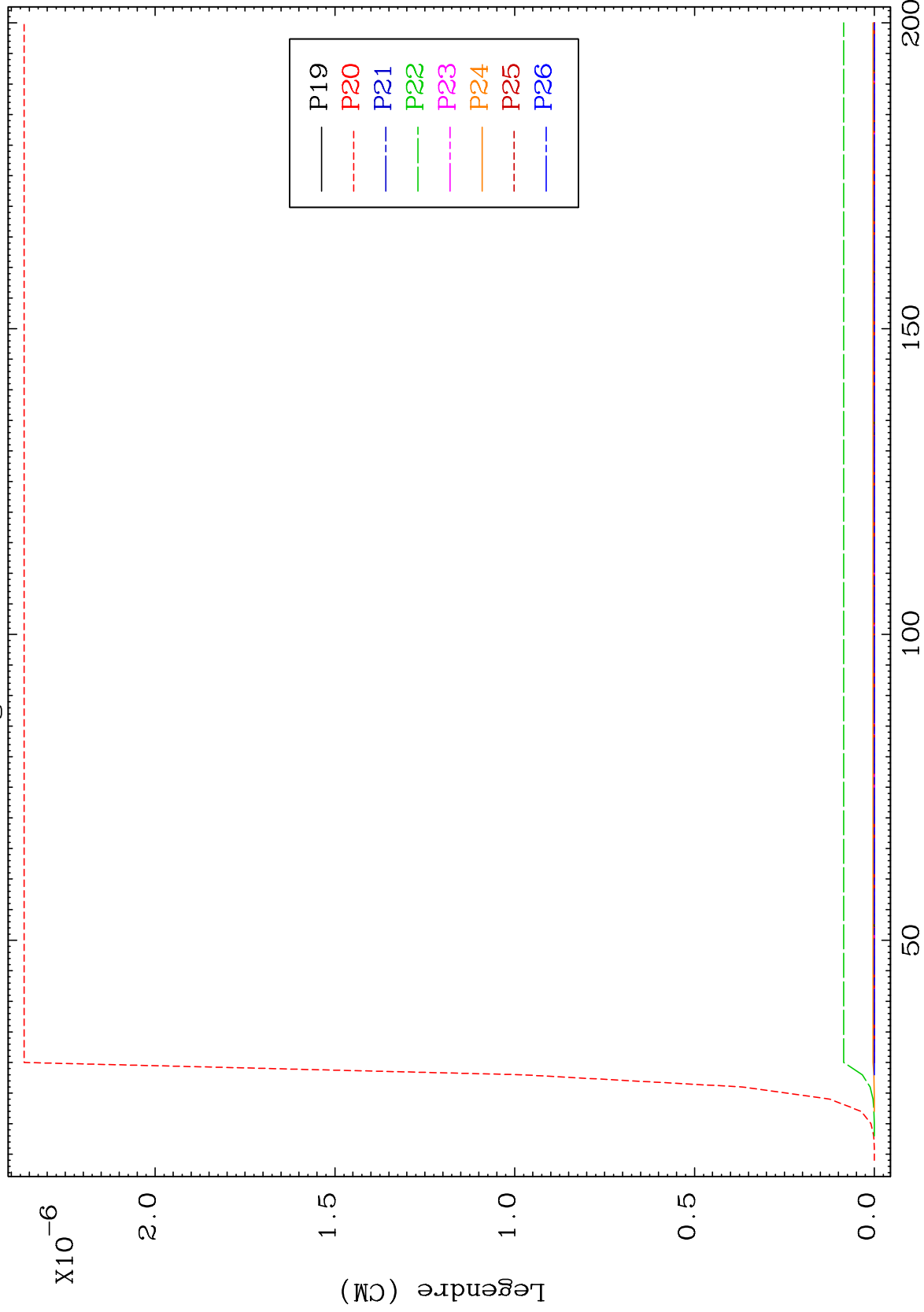
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



83

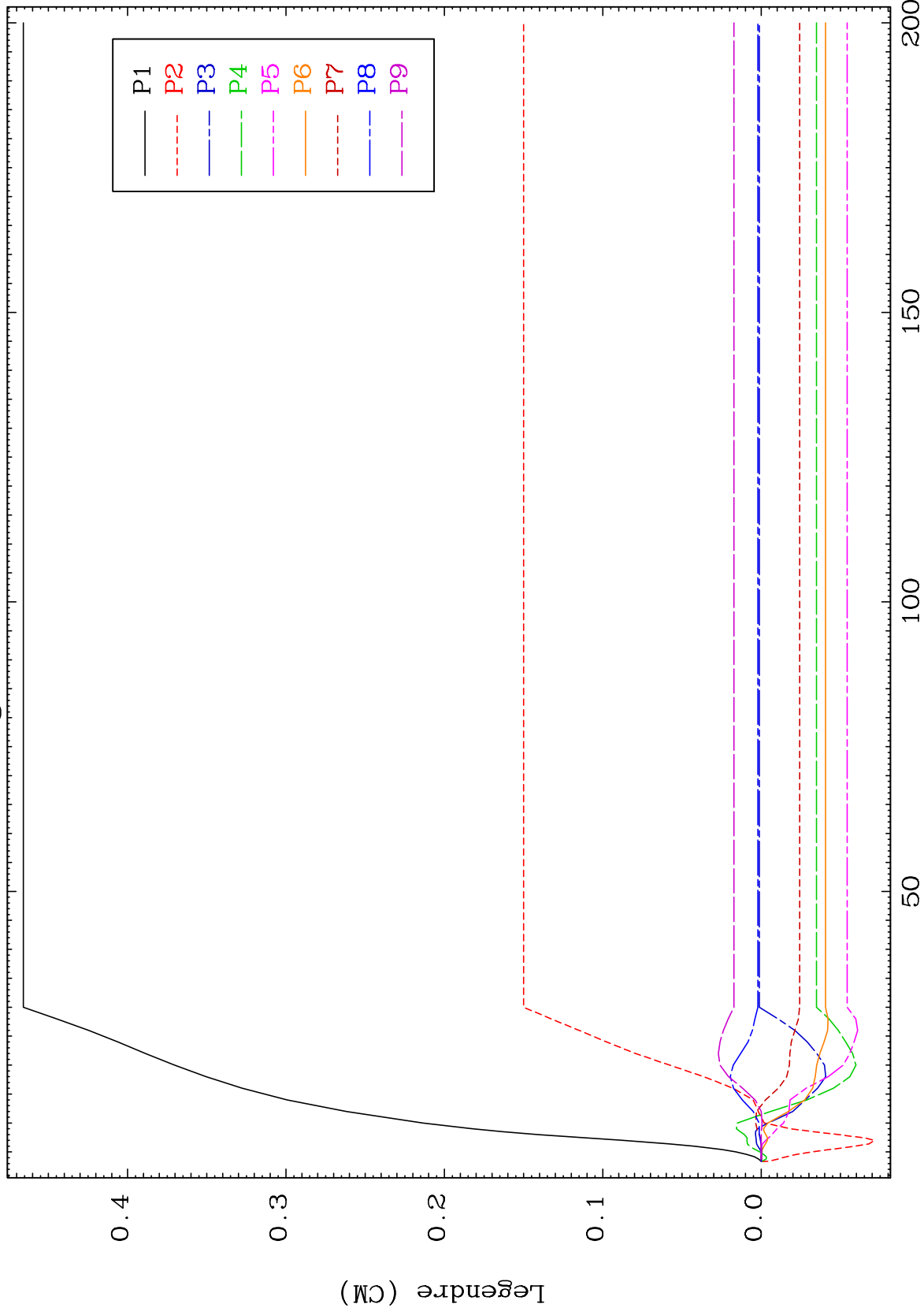
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

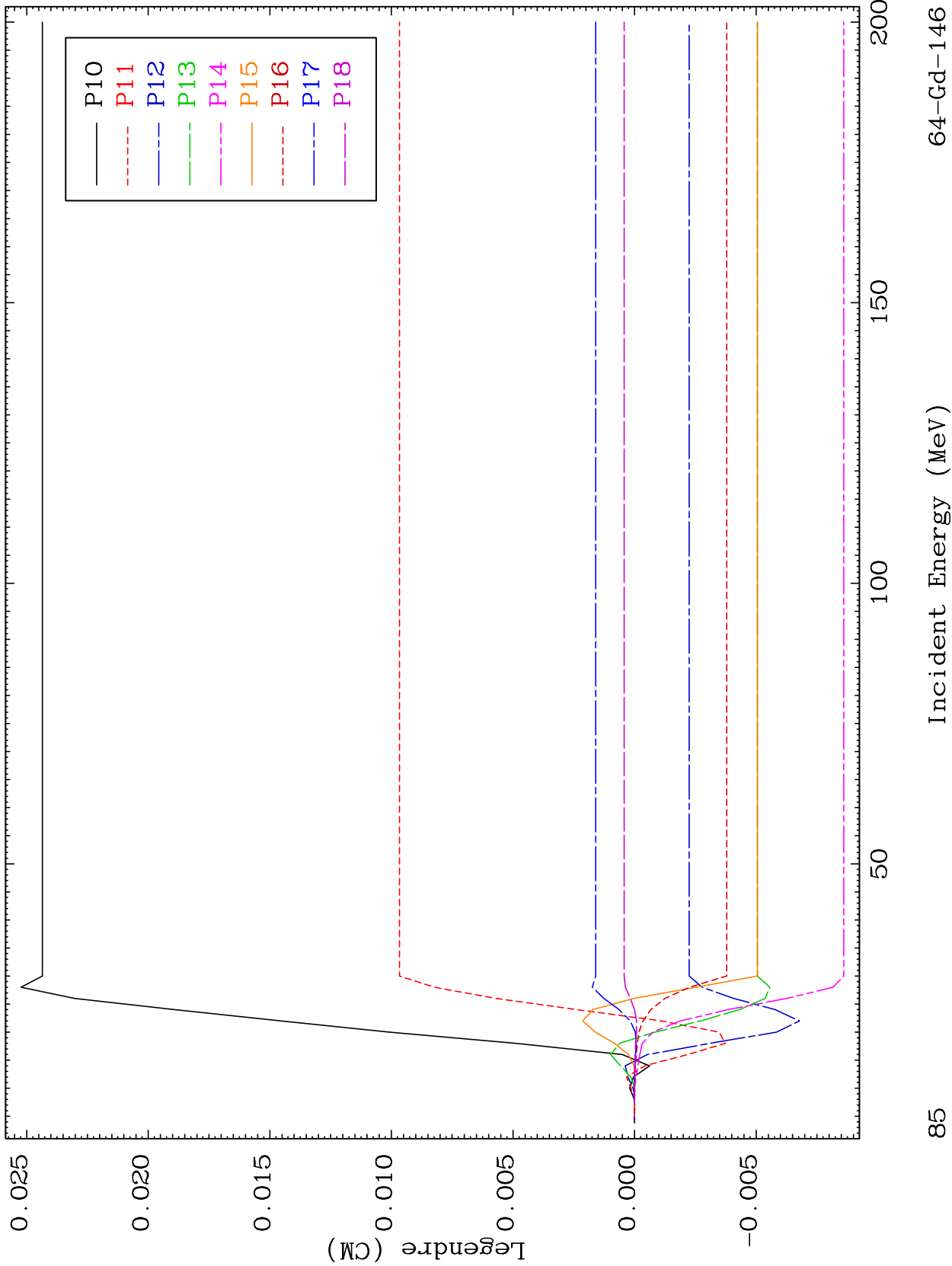
64-Gd-146

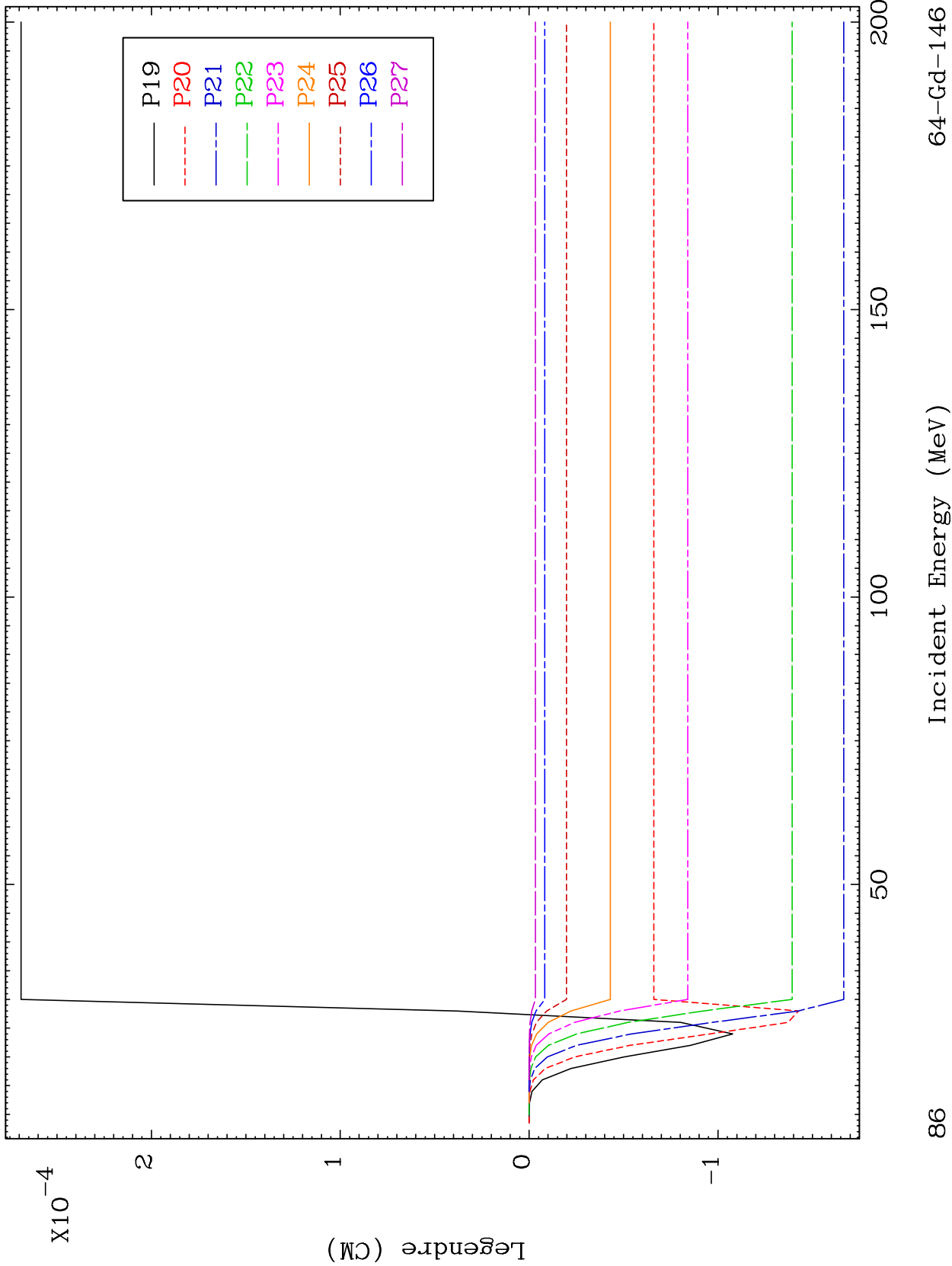


84

Incident Energy (MeV)

64-Gd-146

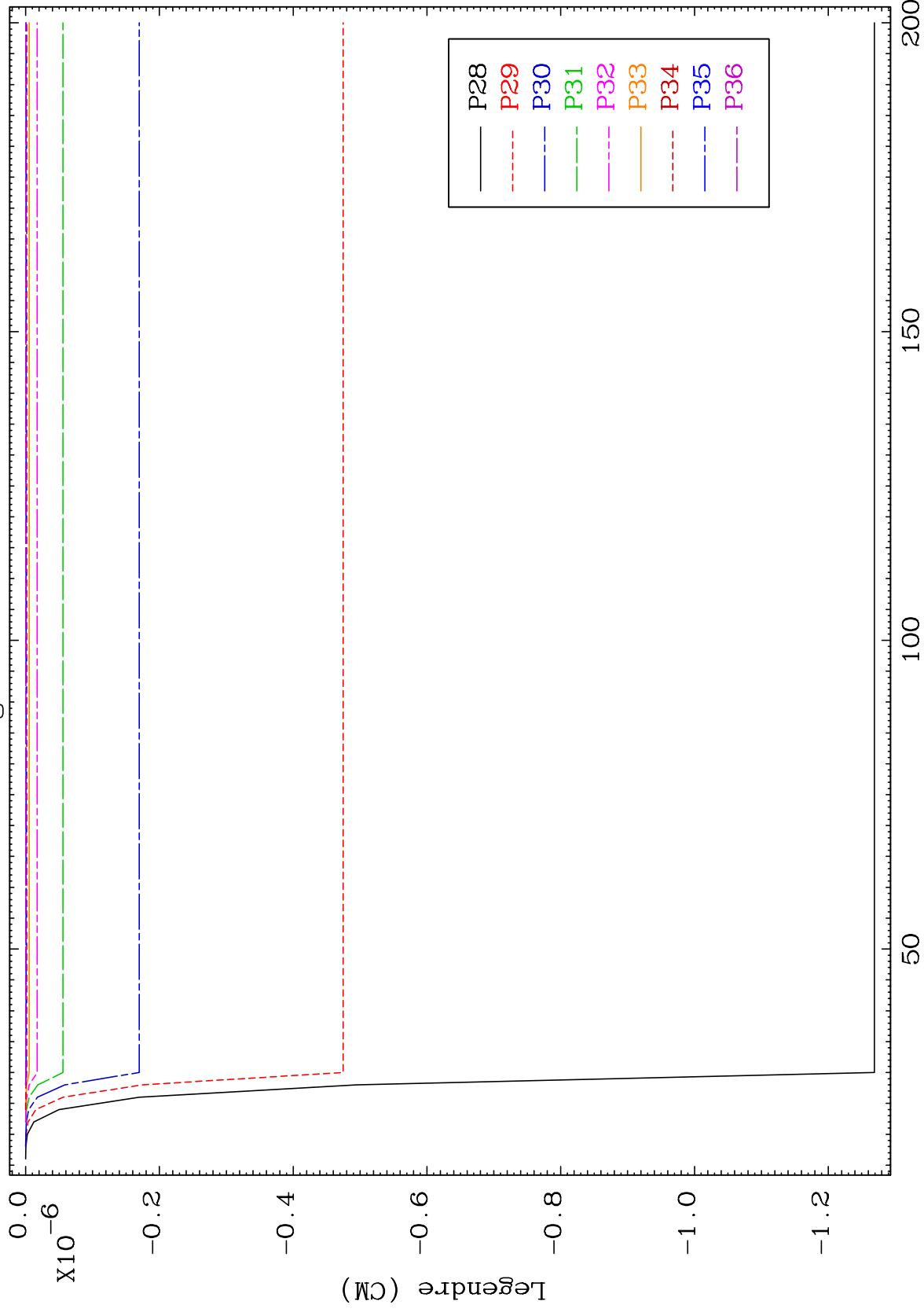




MAT 6407

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

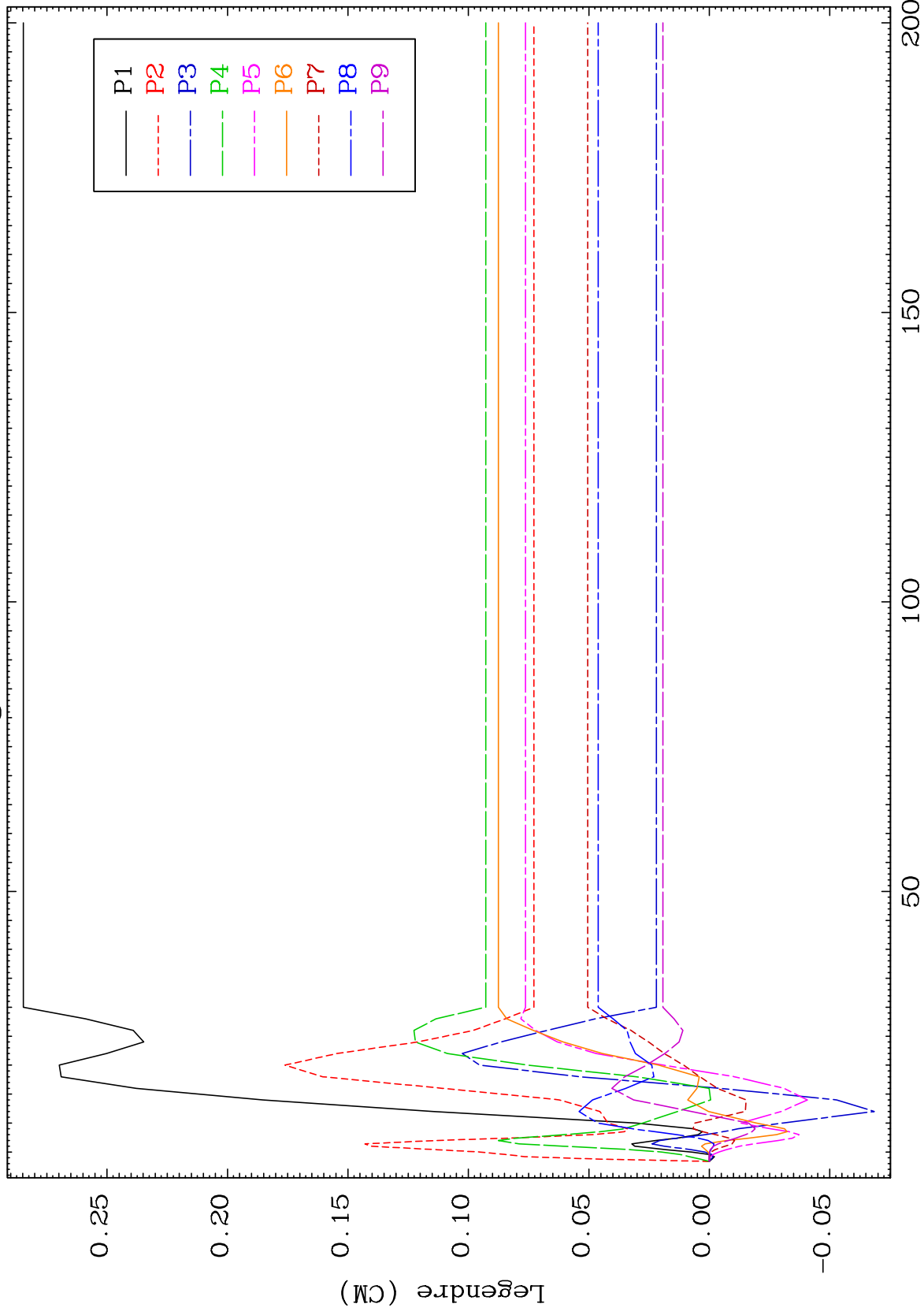
64-Gd-146

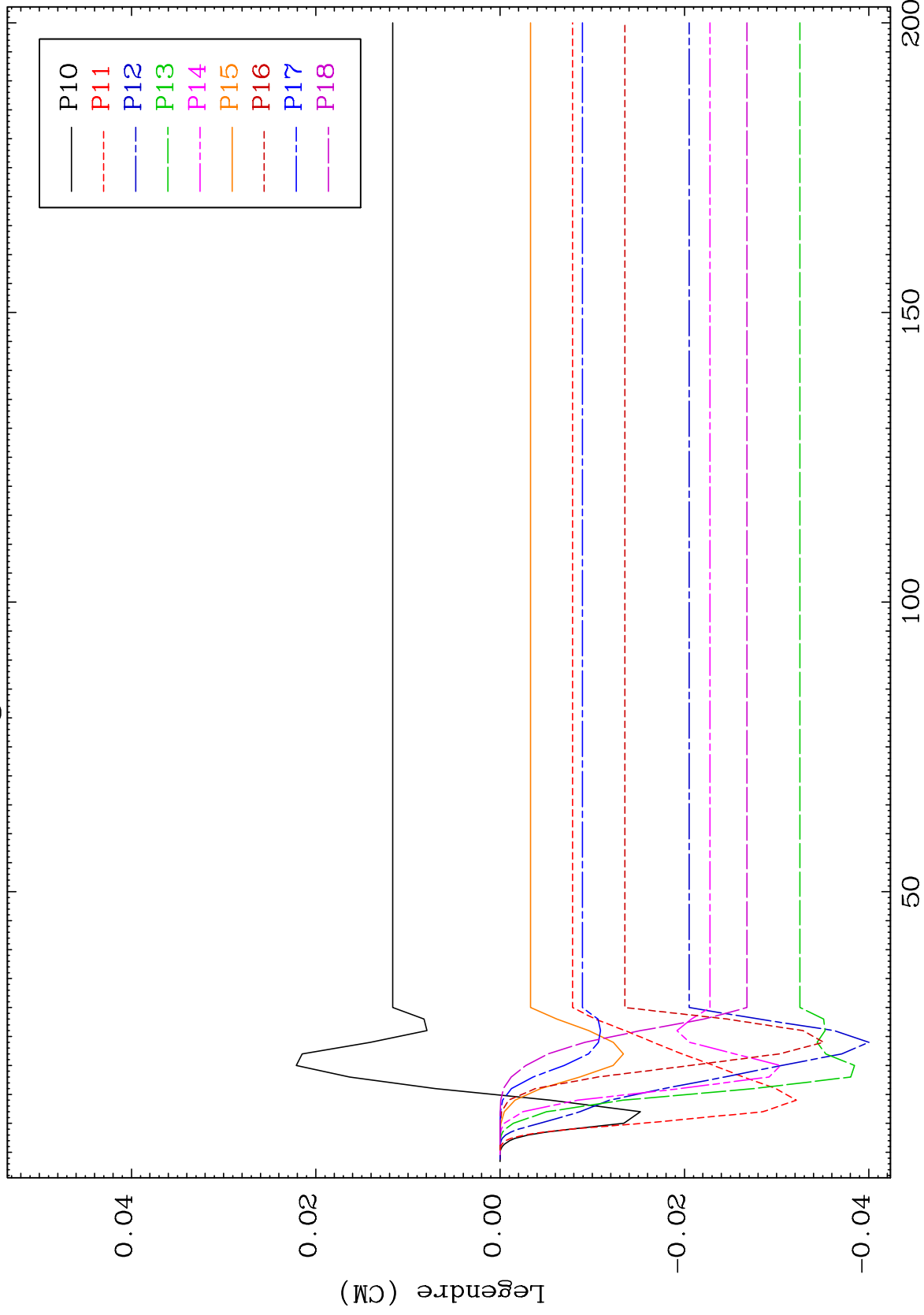


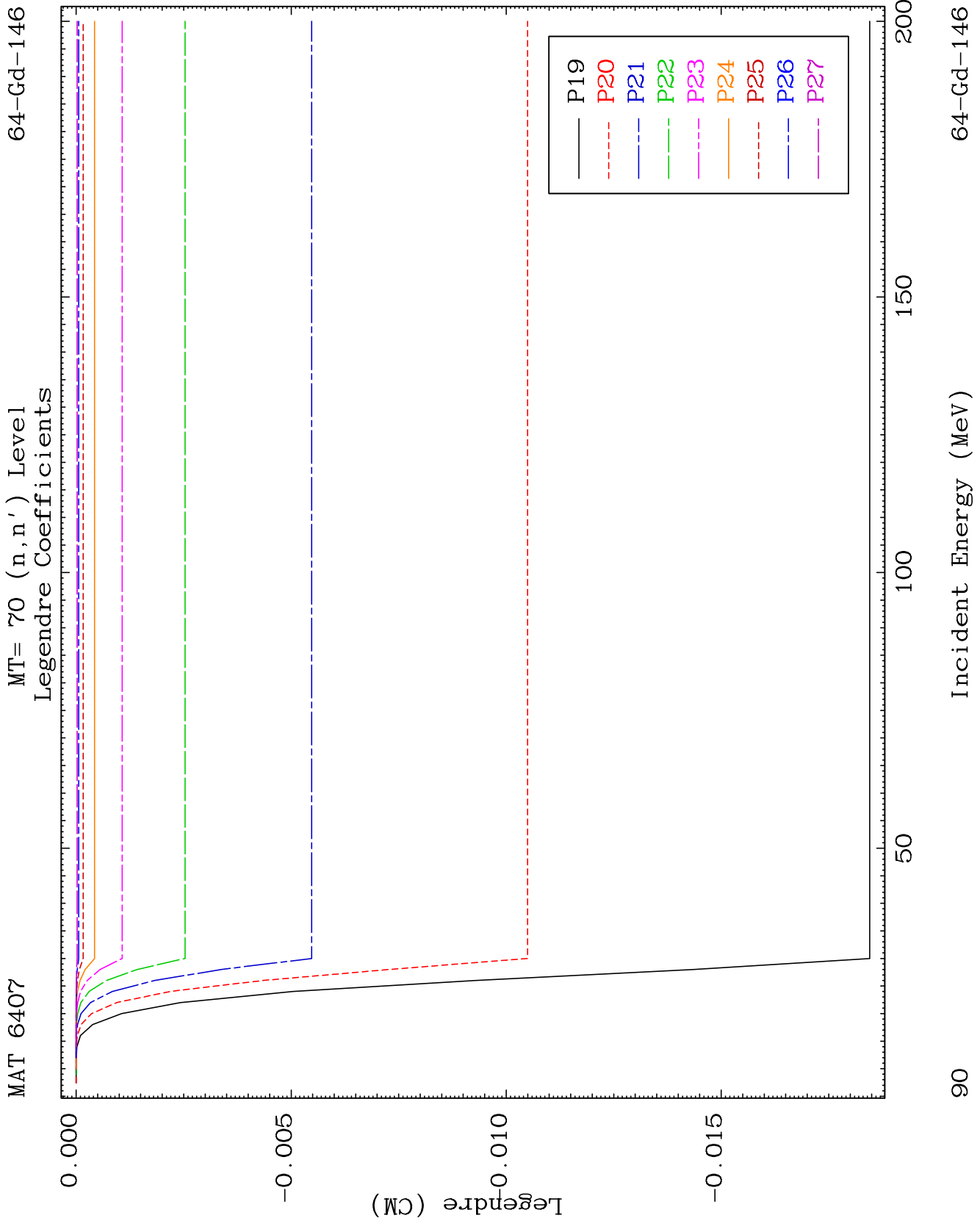
87

Incident Energy (MeV)

64-Gd-146



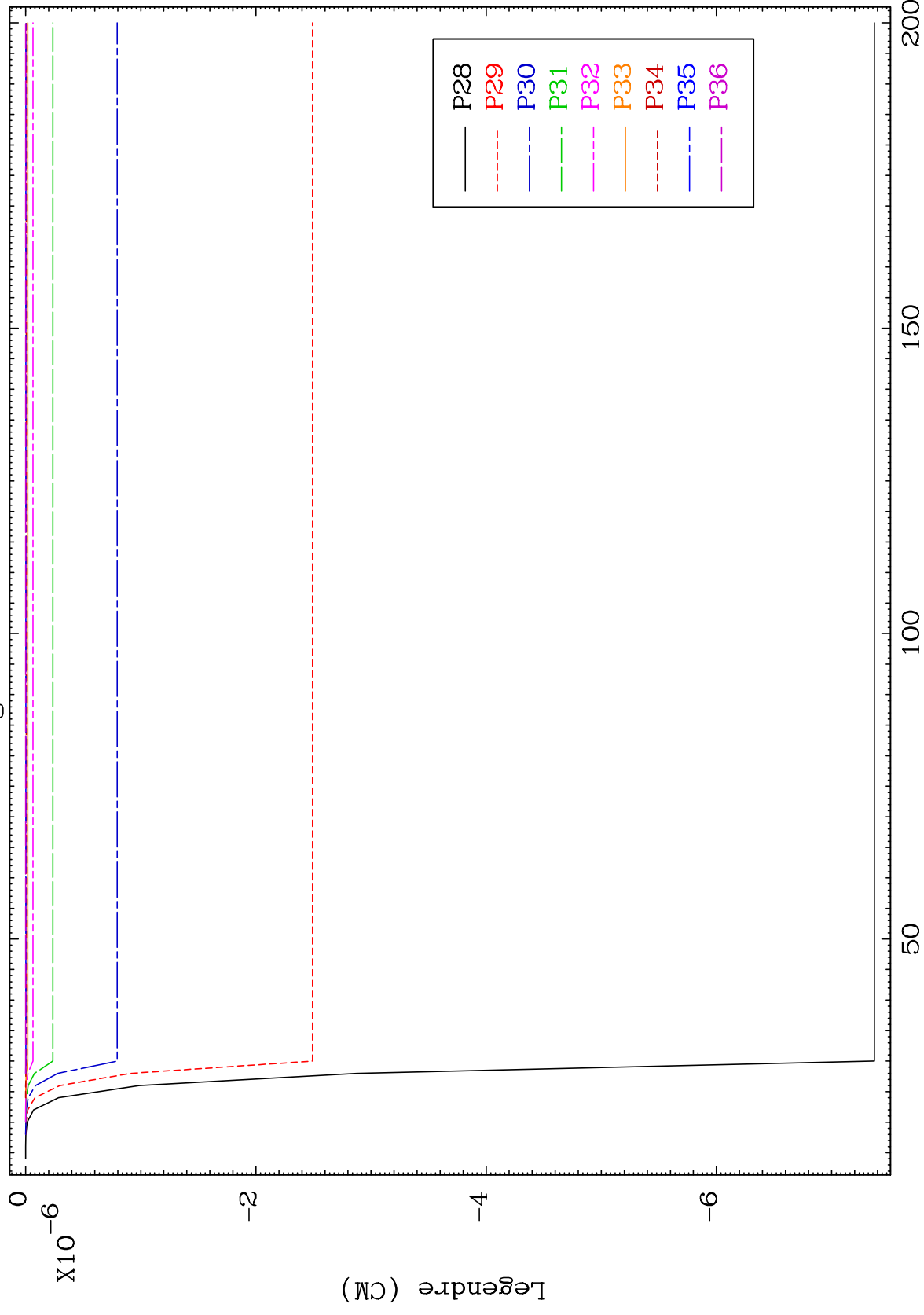




MAT 6407

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

64-Gd-146



91

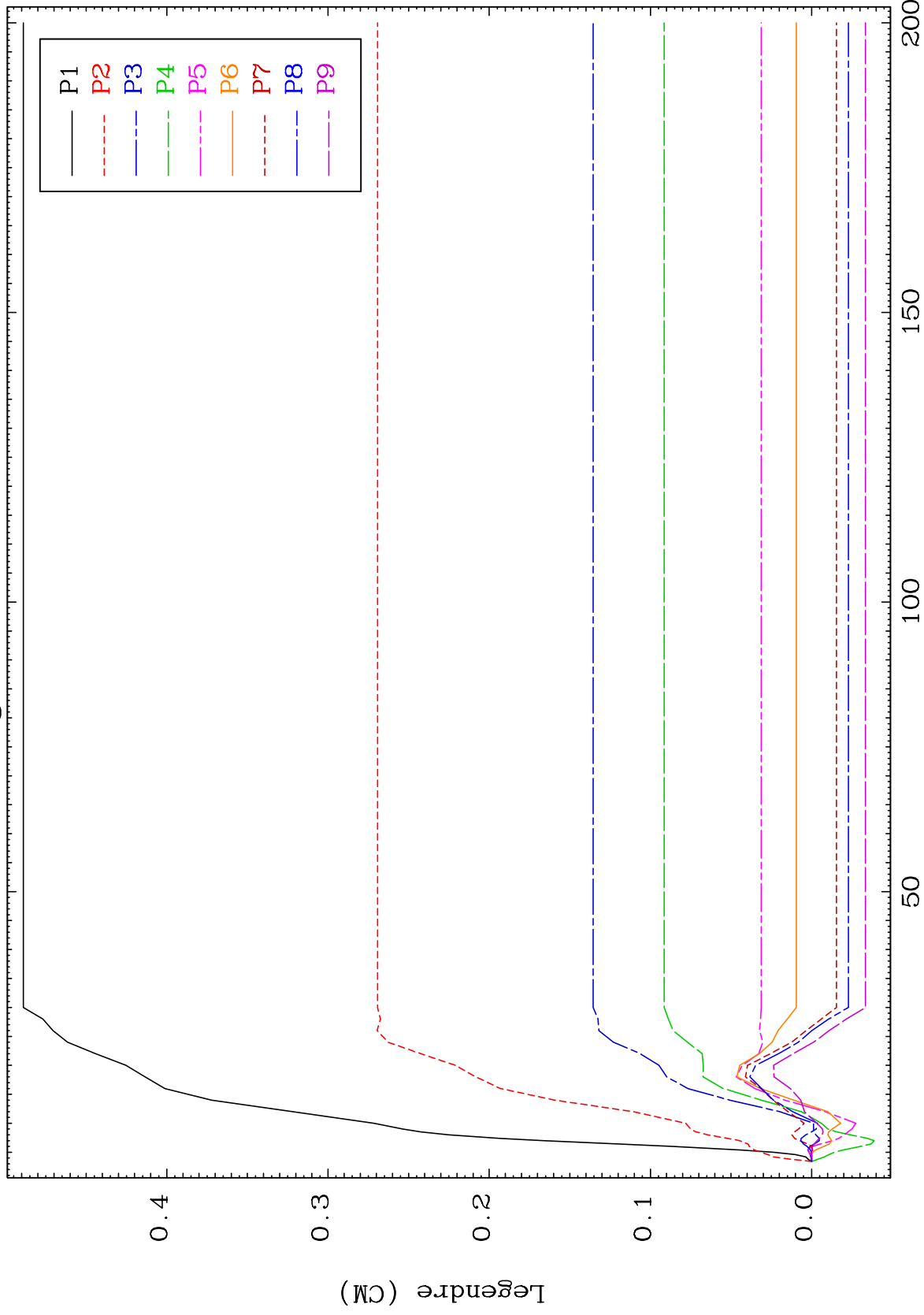
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



92

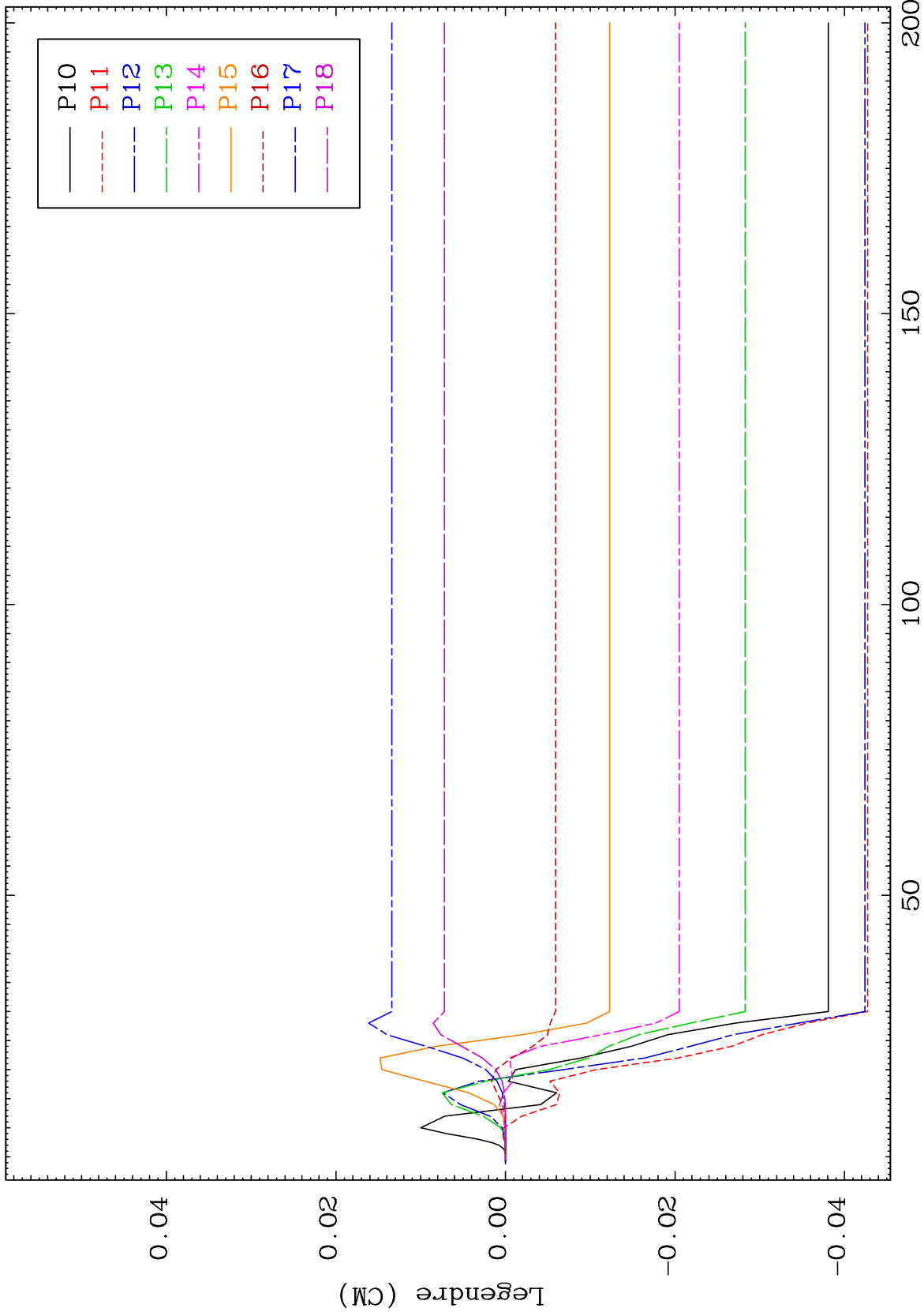
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

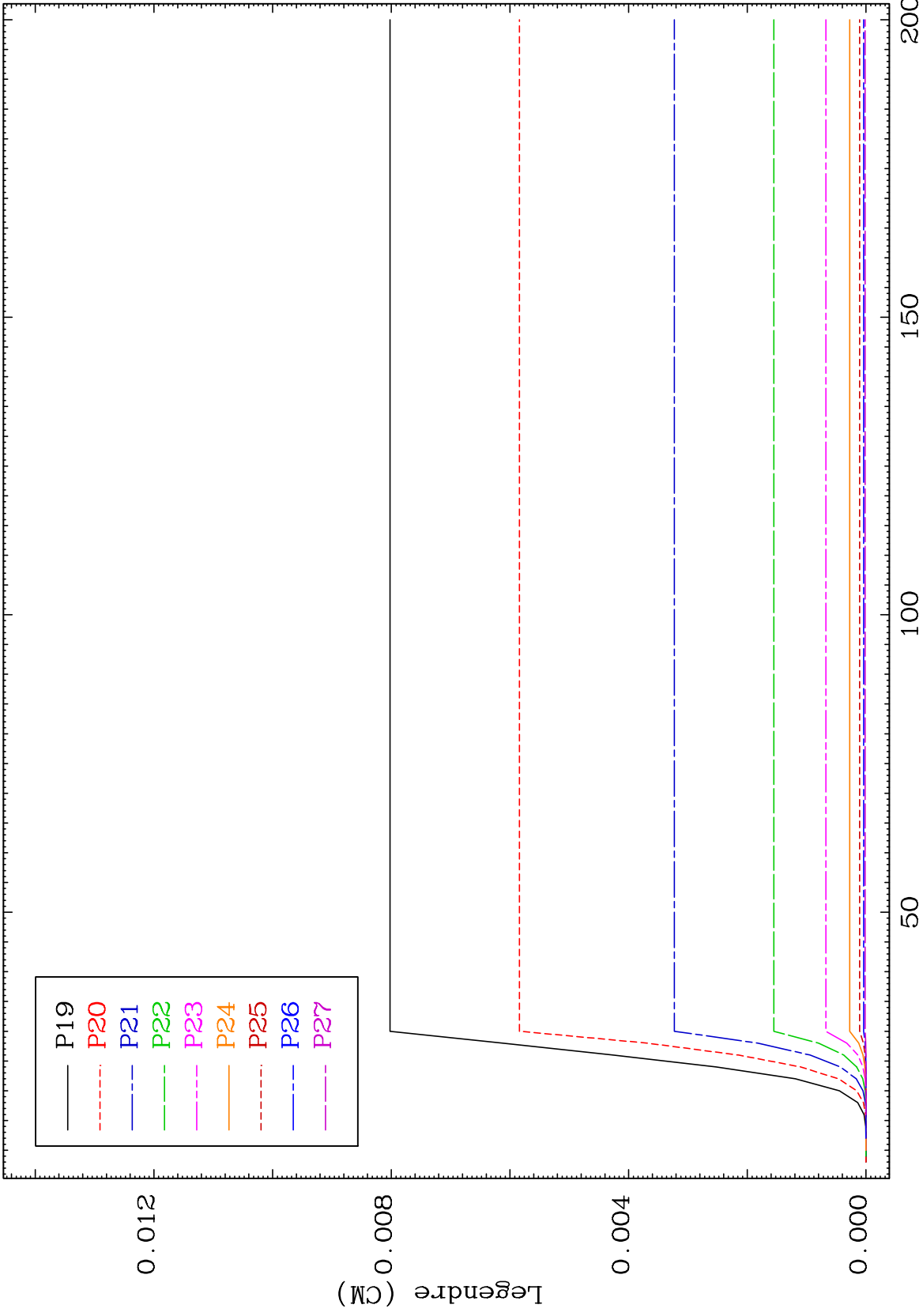
64-Gd-146



MAT 6407

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

64-Gd-146



94

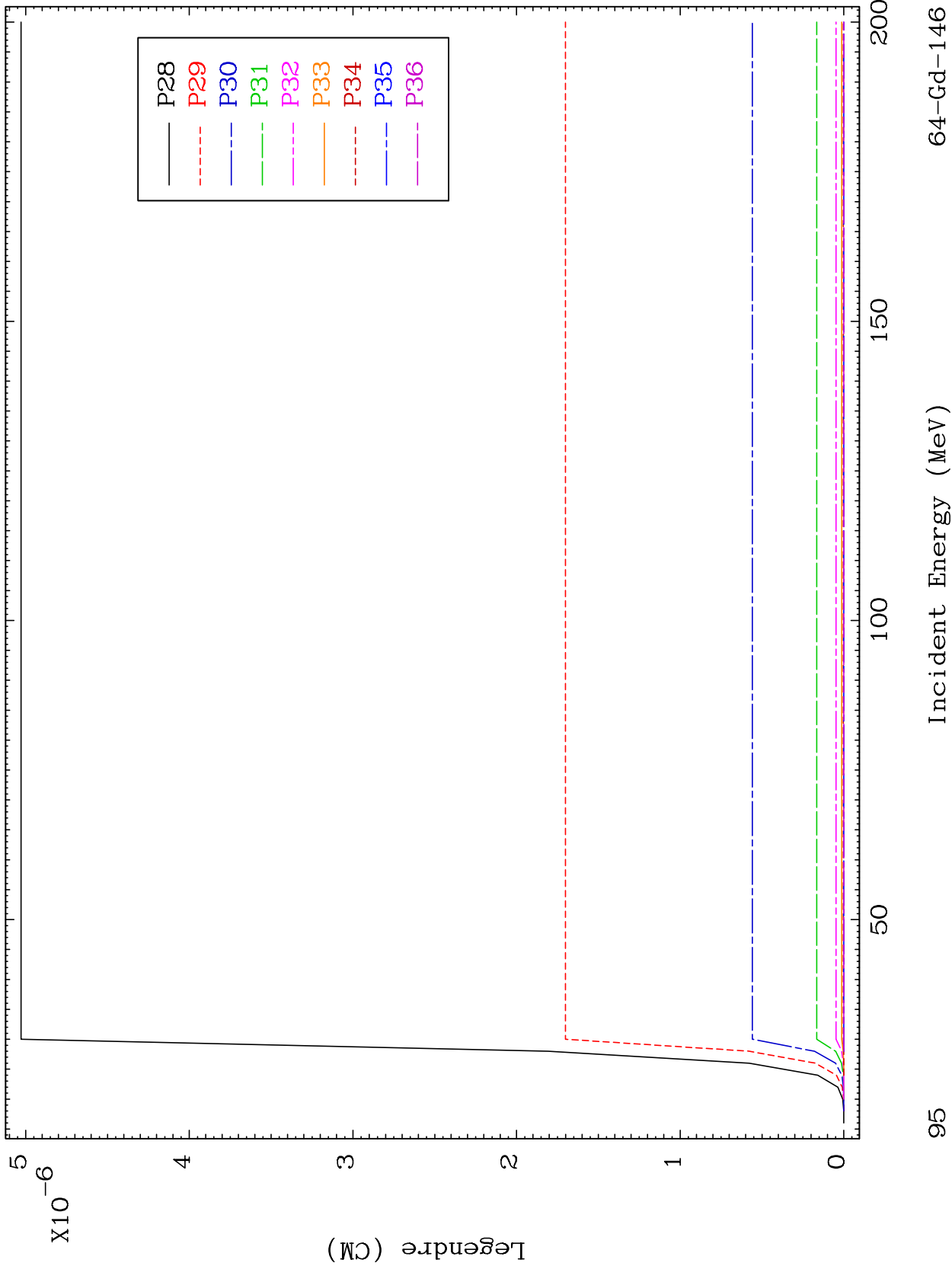
Incident Energy (MeV)

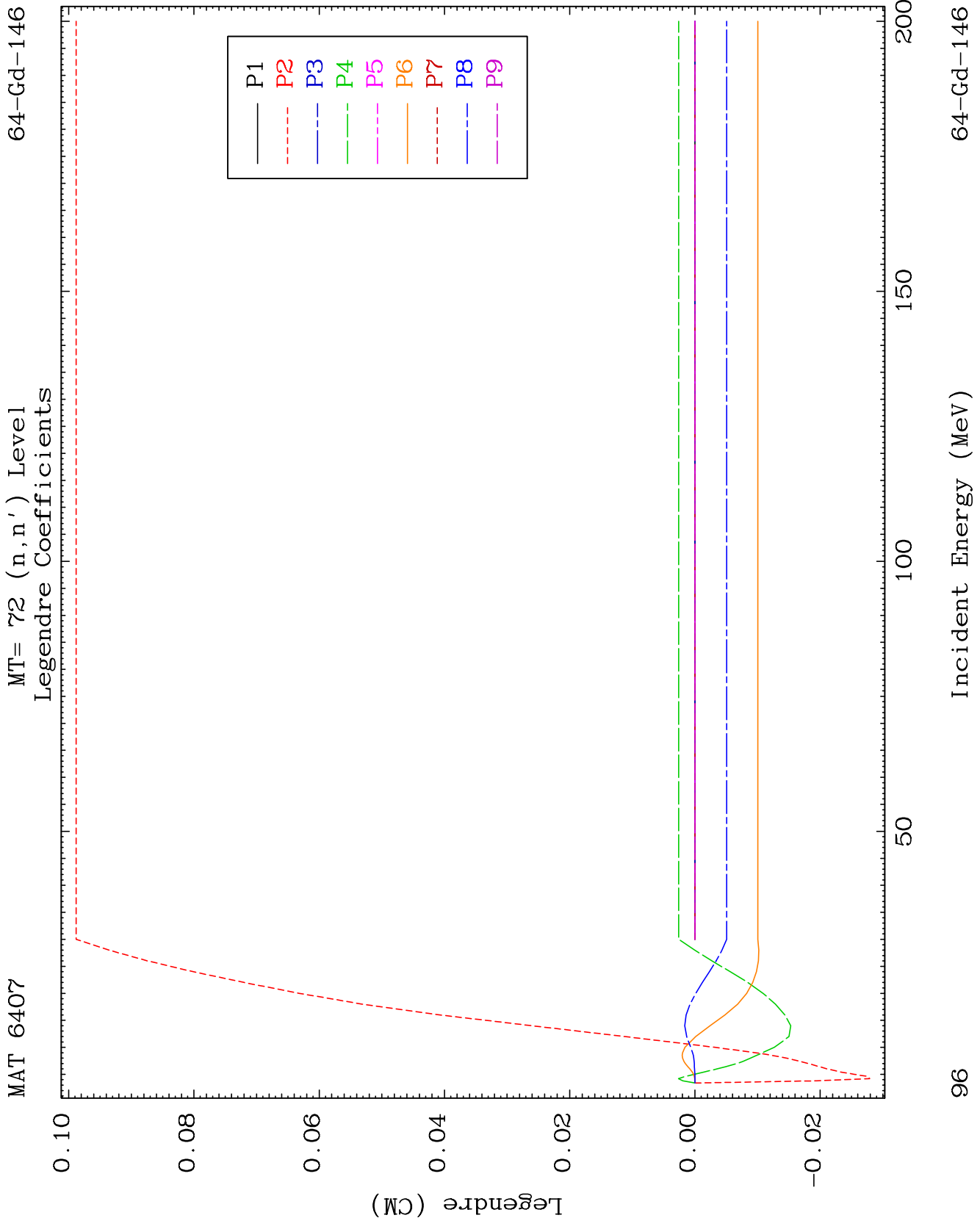
64-Gd-146

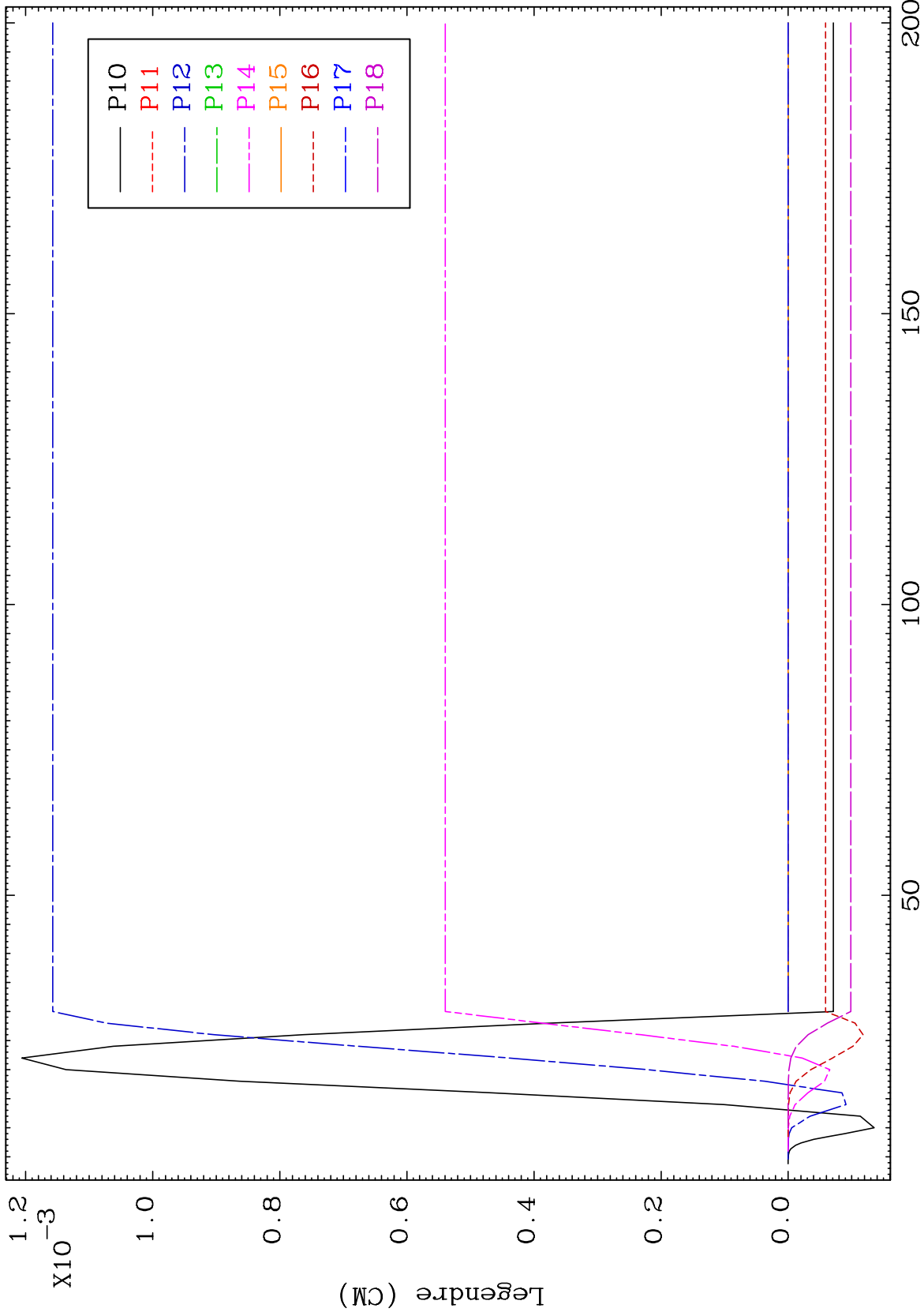
MAT 6407

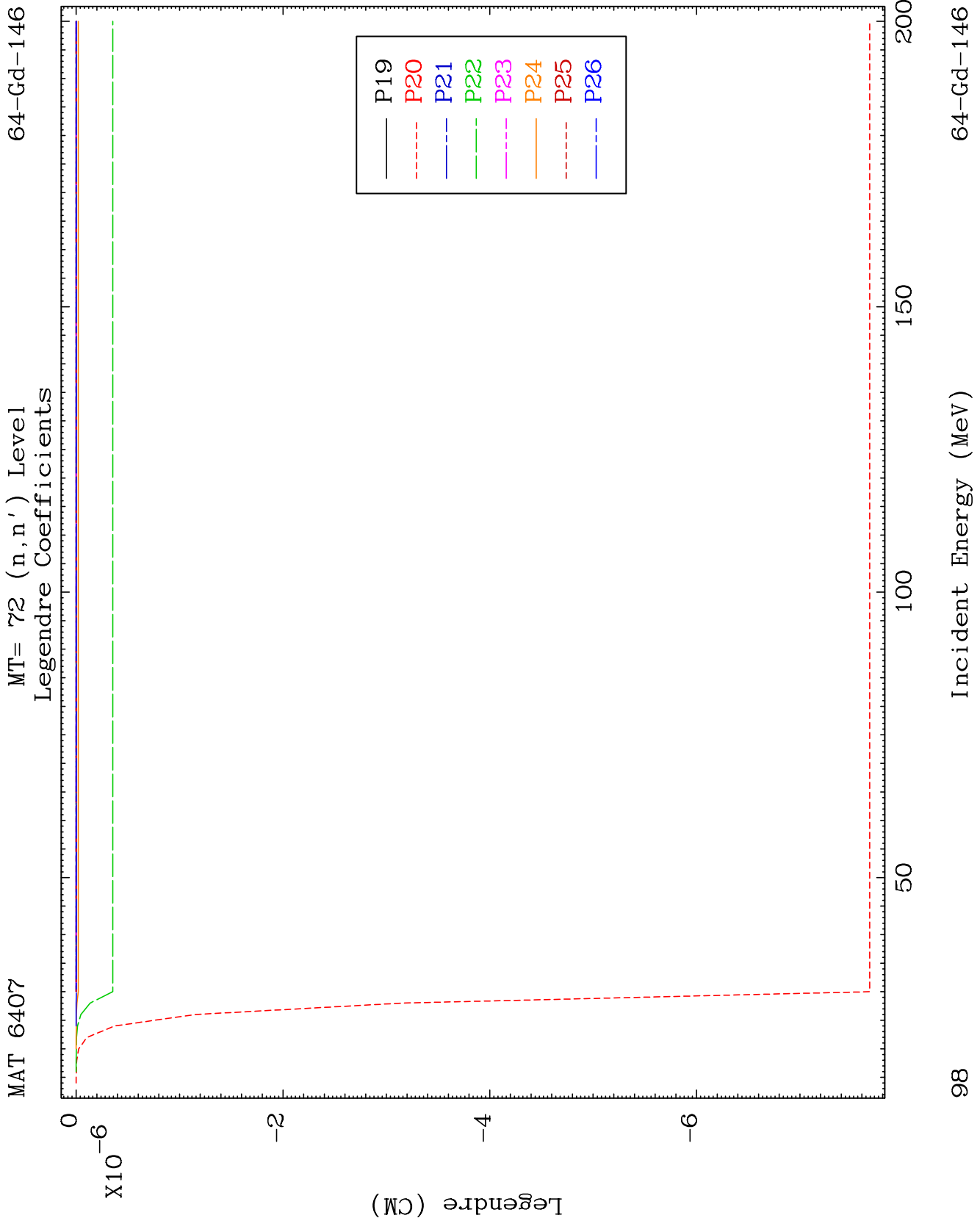
MT= 71 (n,n') Level  
Legendre Coefficients

64-Gd-146





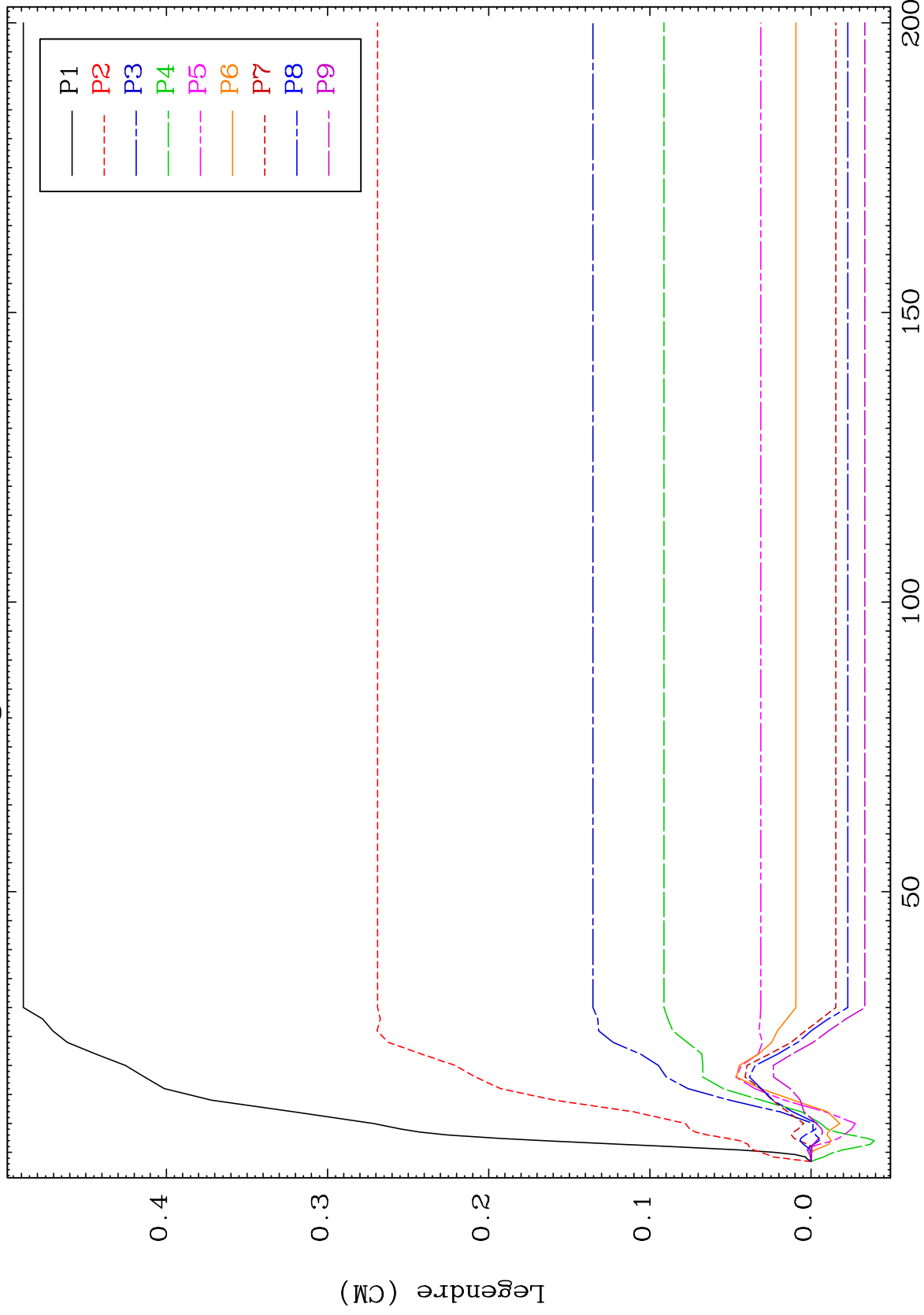




MAT 6407

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

64-Gd-146



99

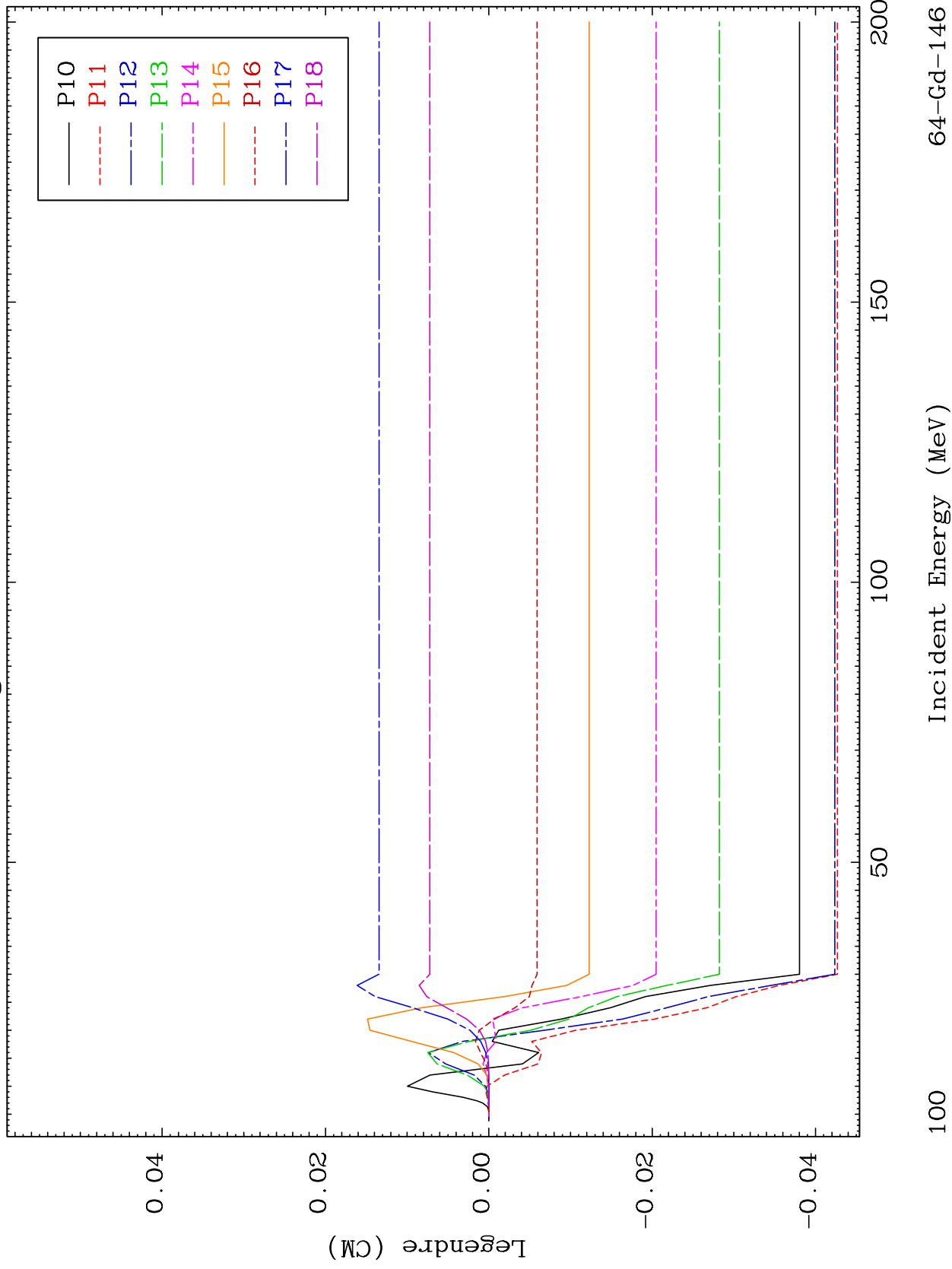
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



64-Gd-146

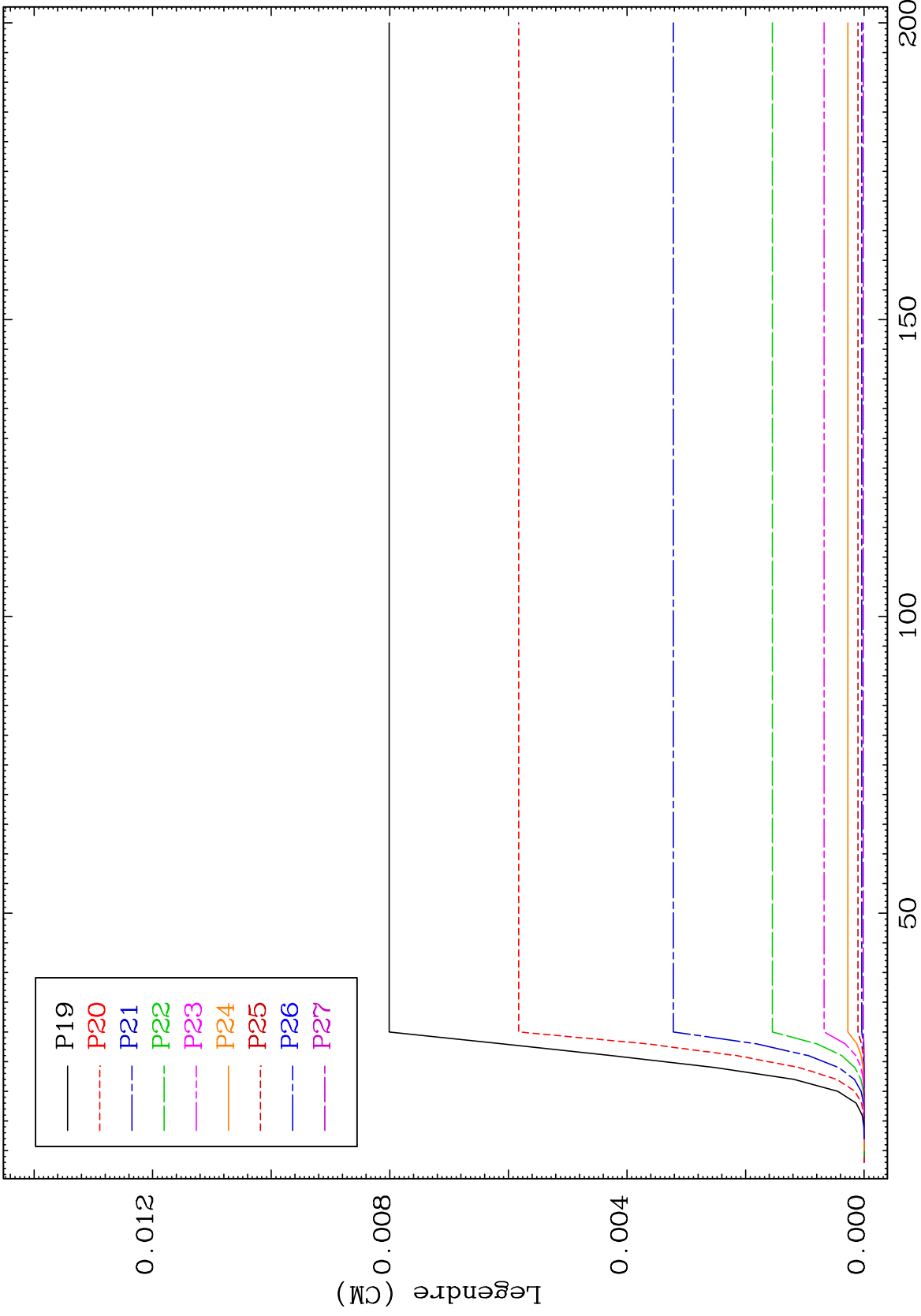
Incident Energy (MeV)

100

MAT 6407

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

64-Gd-146



101

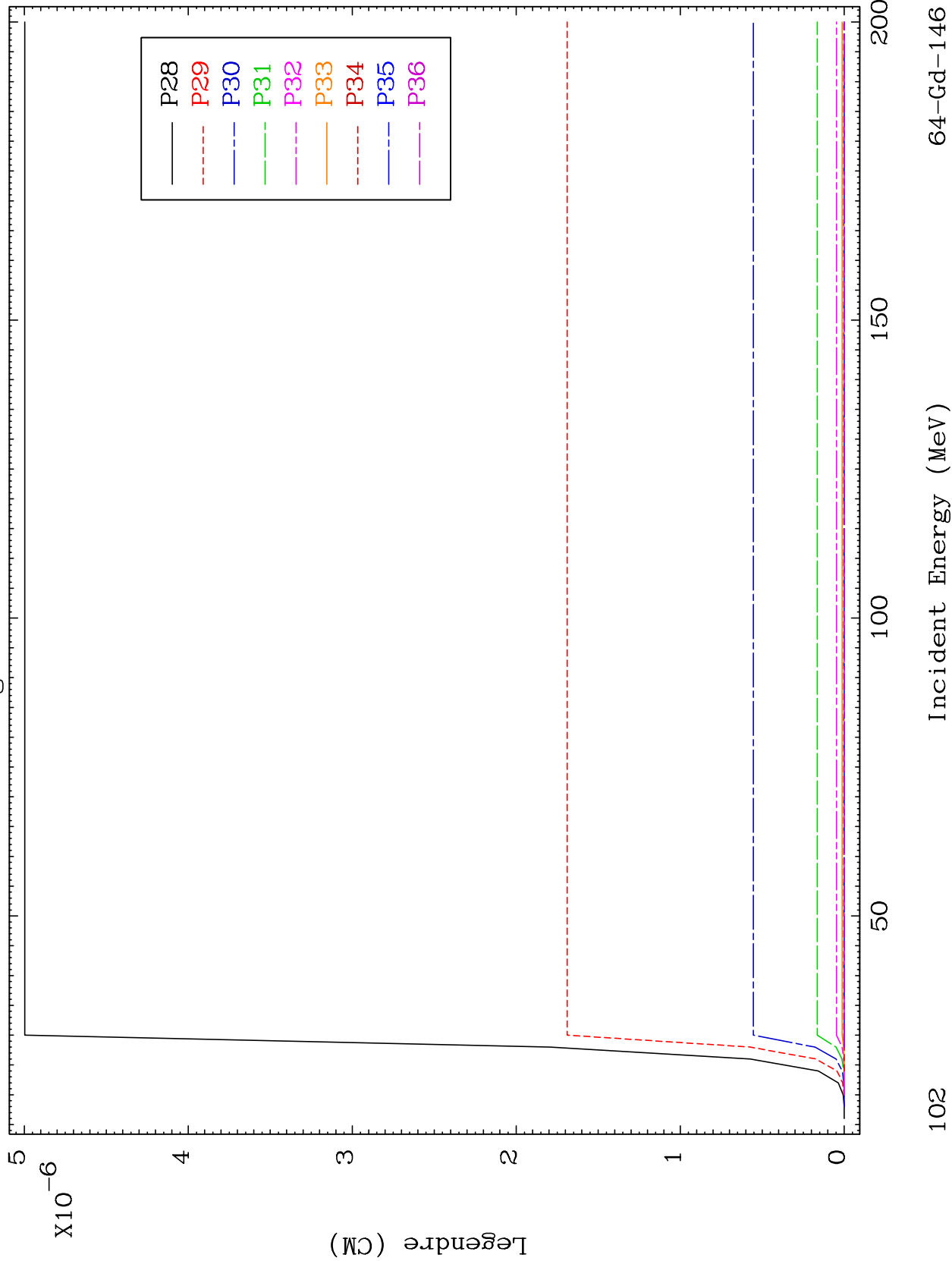
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



102

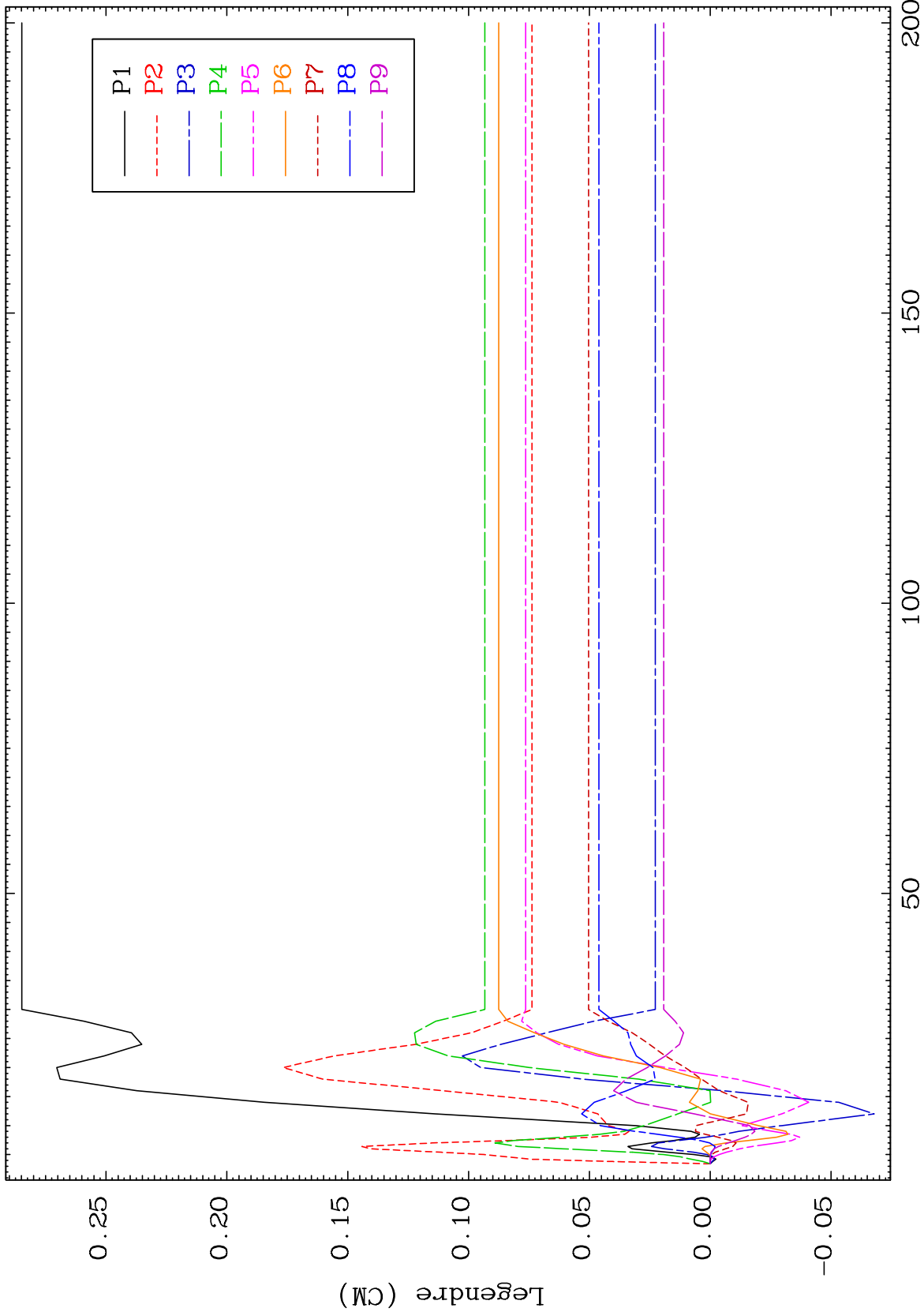
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



103

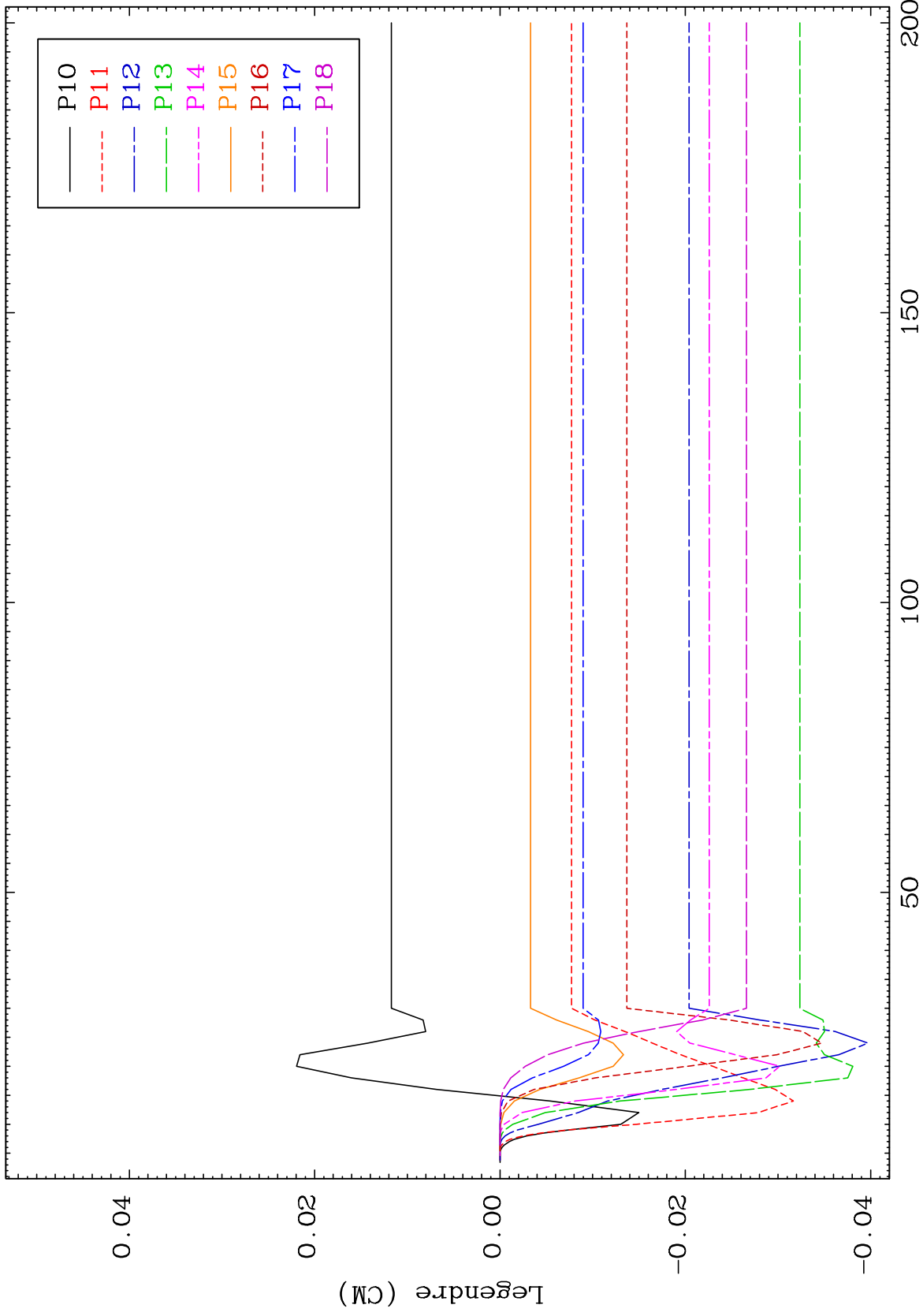
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



104

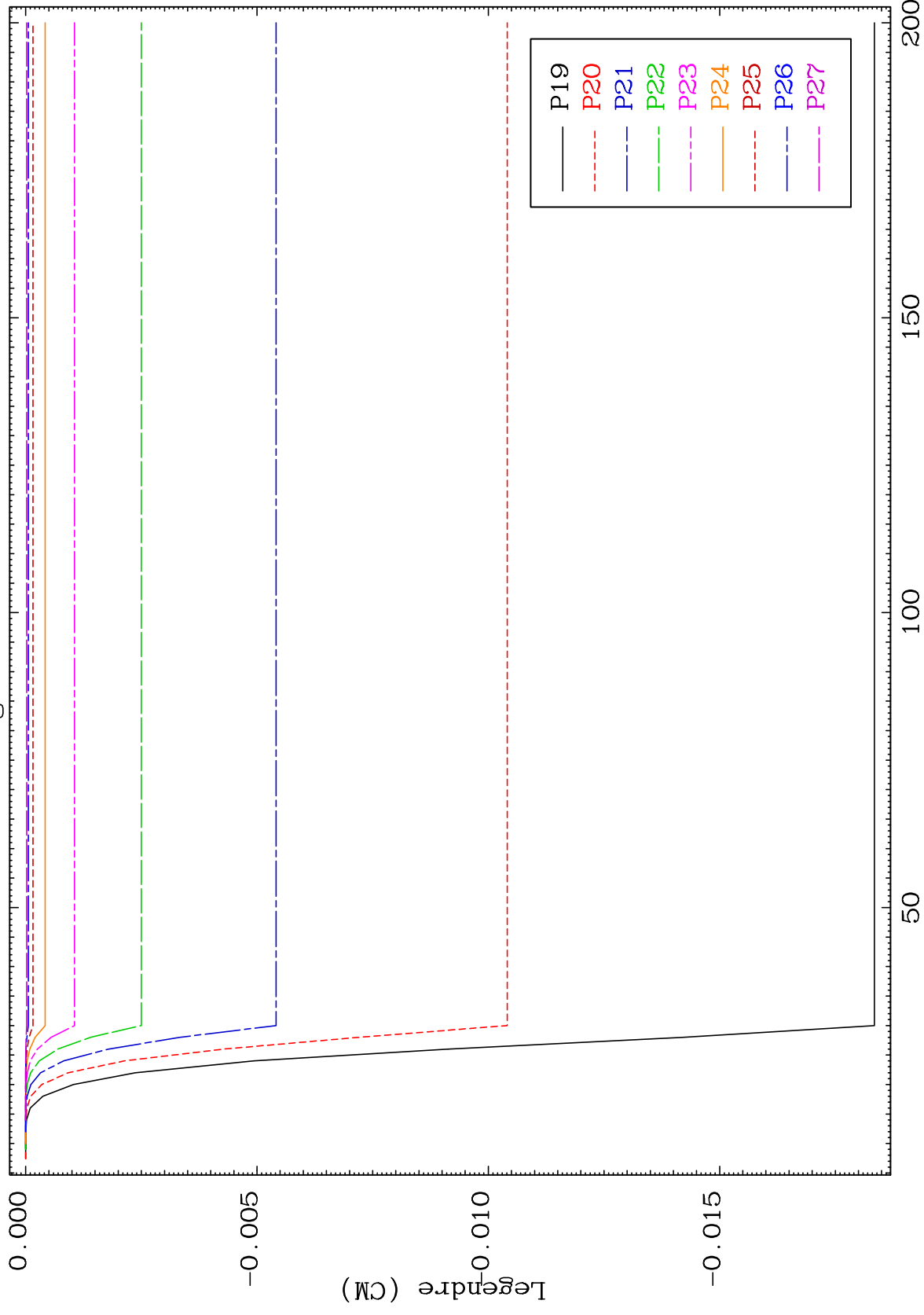
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

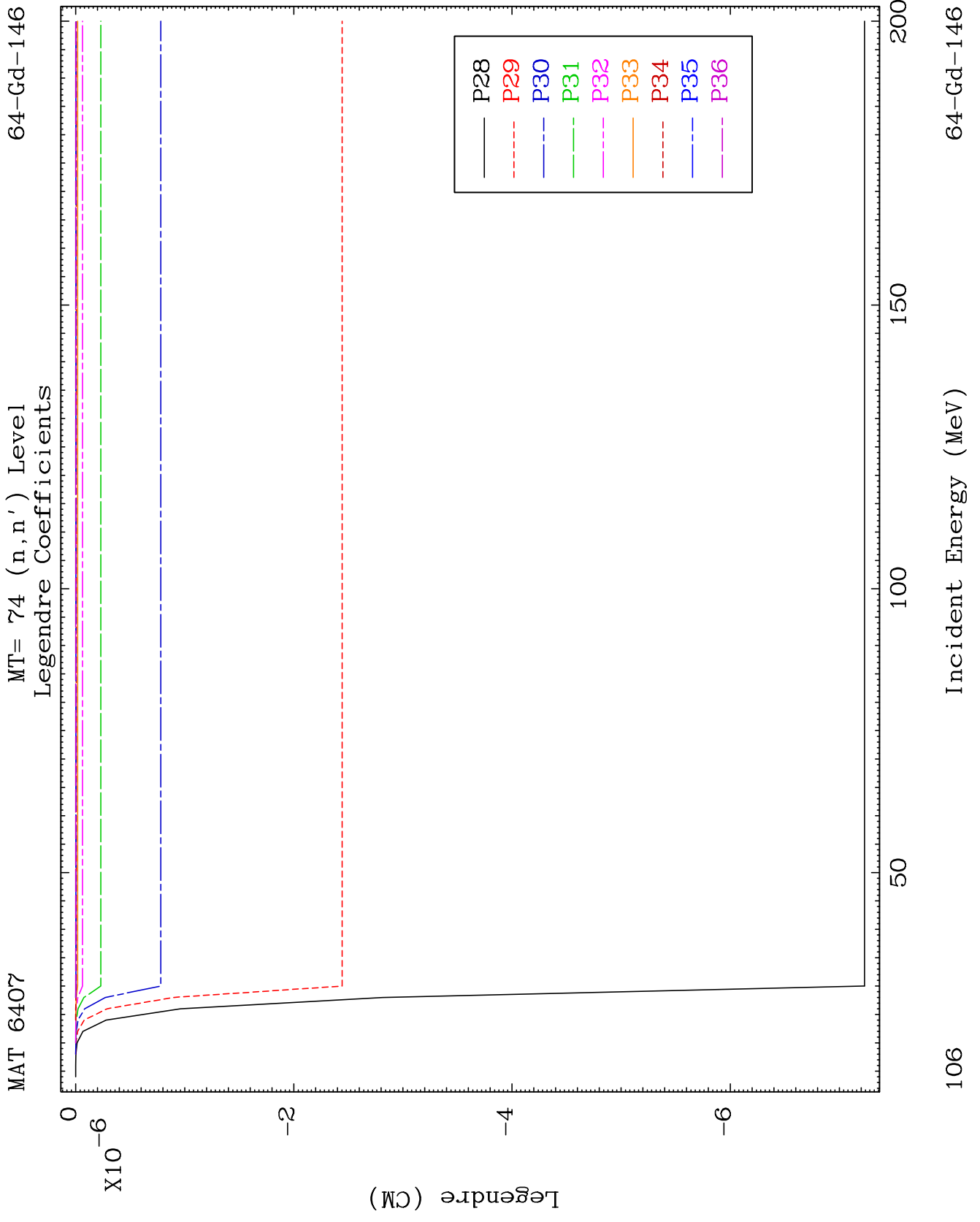
64-Gd-146



105

Incident Energy (MeV)

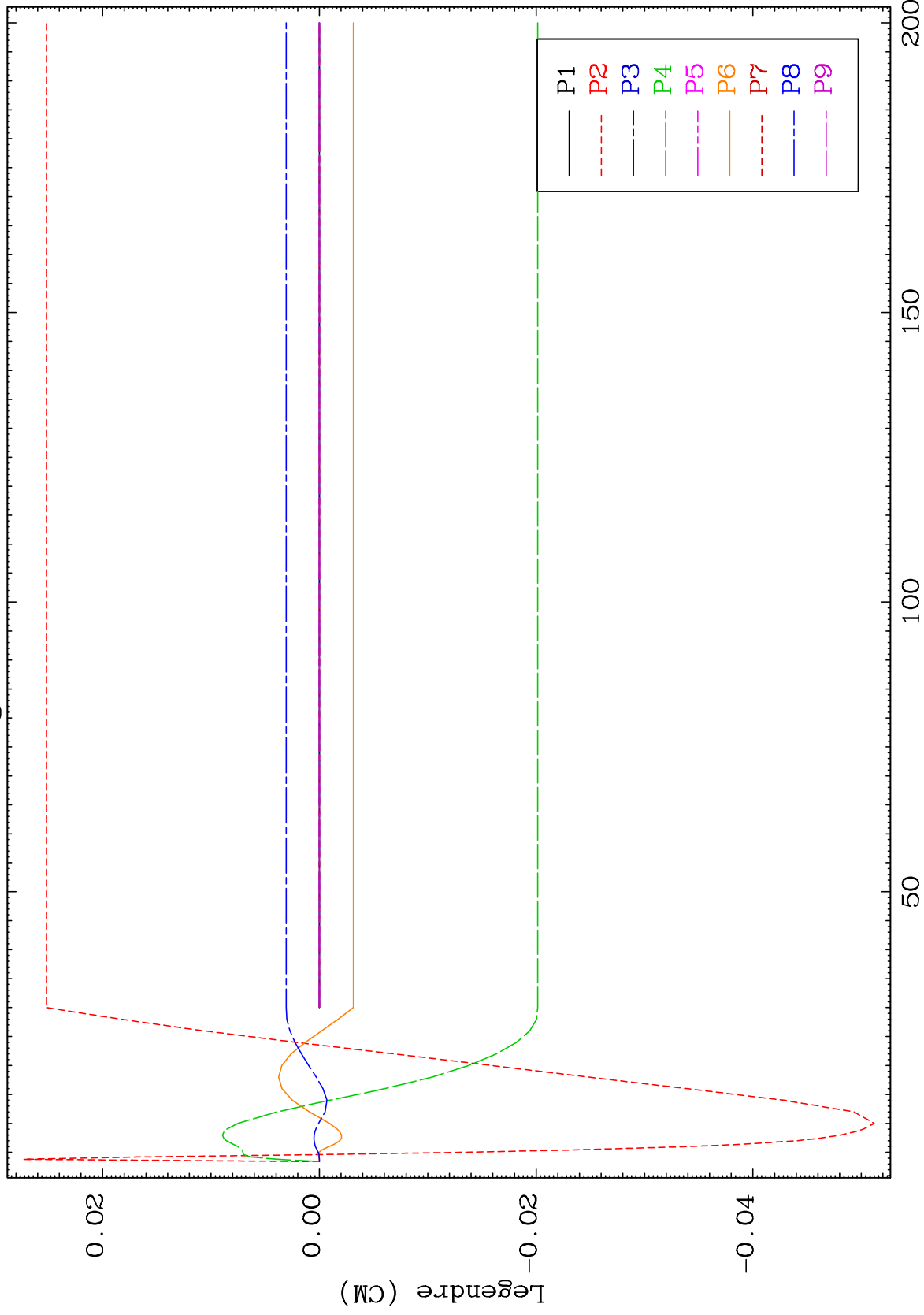
64-Gd-146



MAT 6407

64-Gd-146

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



107

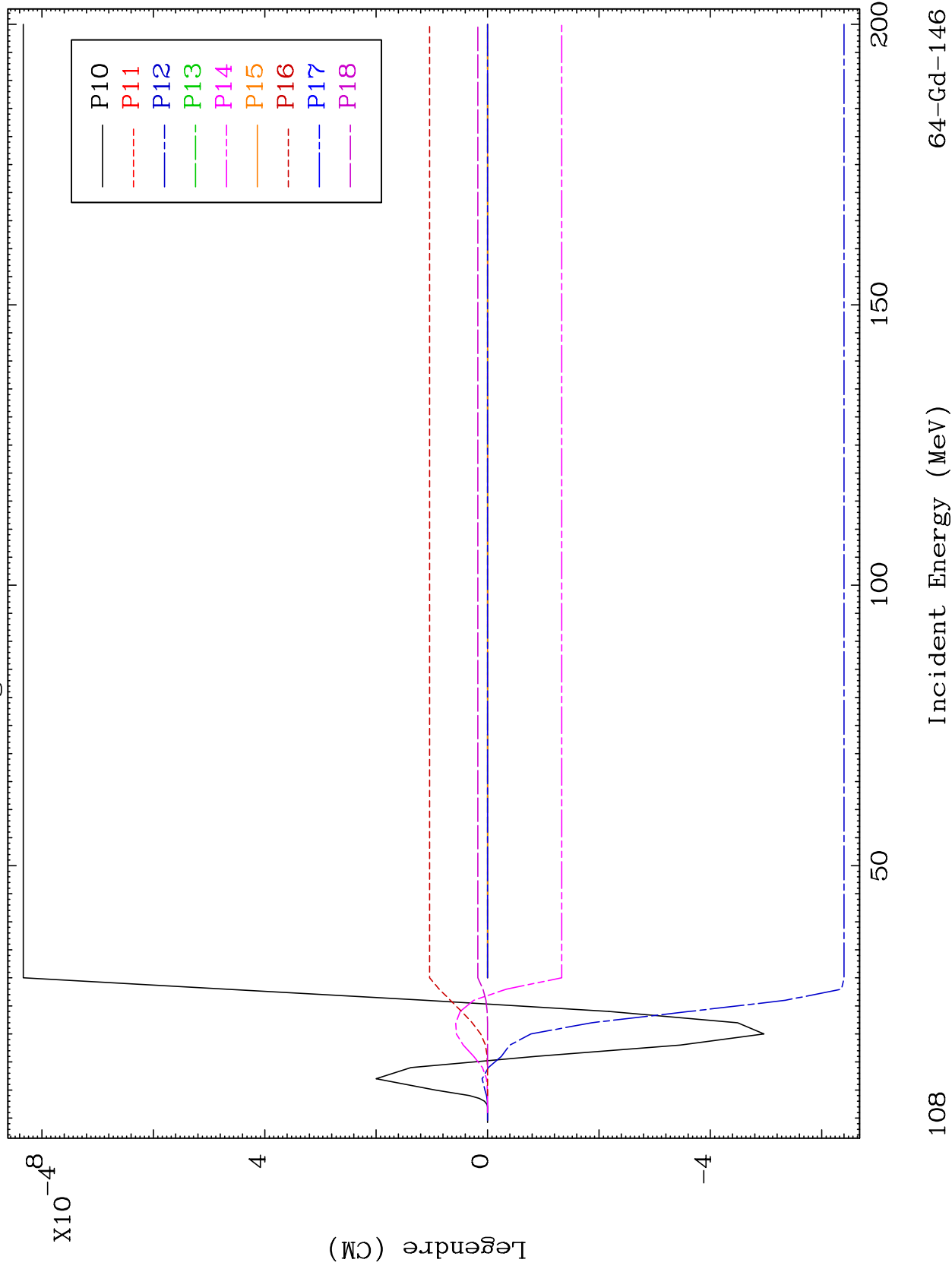
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

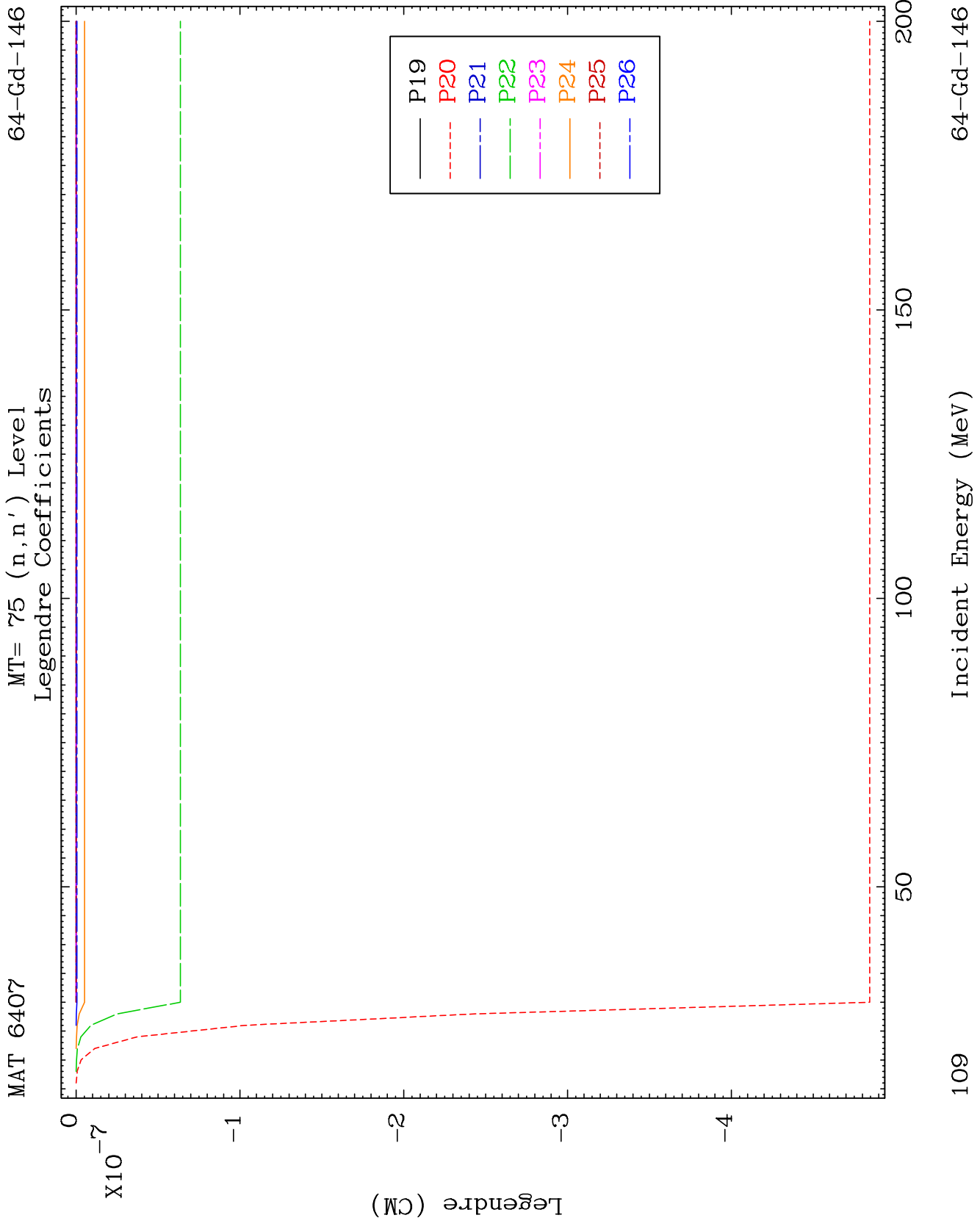
64-Gd-146



108

Incident Energy (MeV)

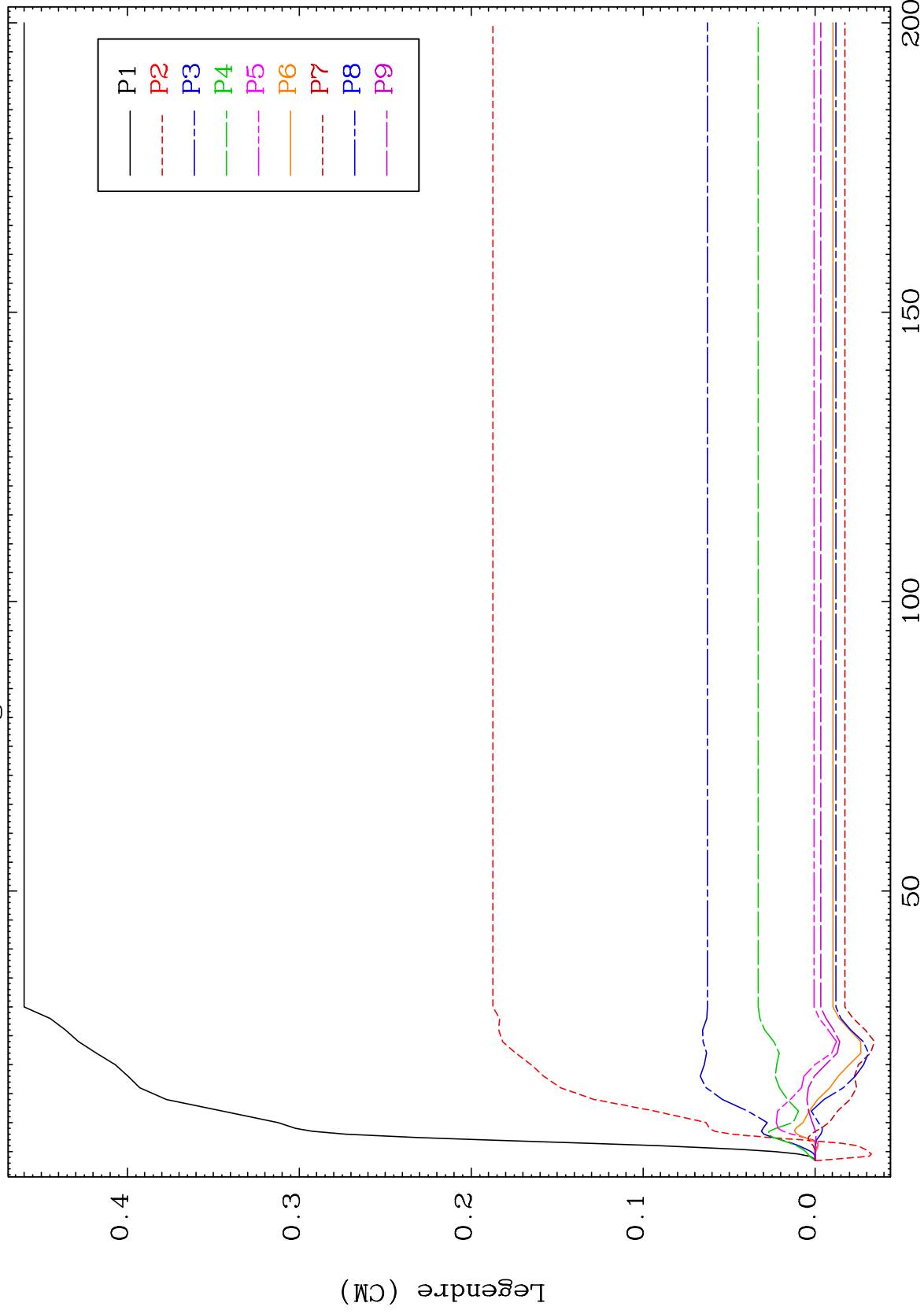
64-Gd-146



MAT 6407

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

64-Gd-146



64-Gd-146

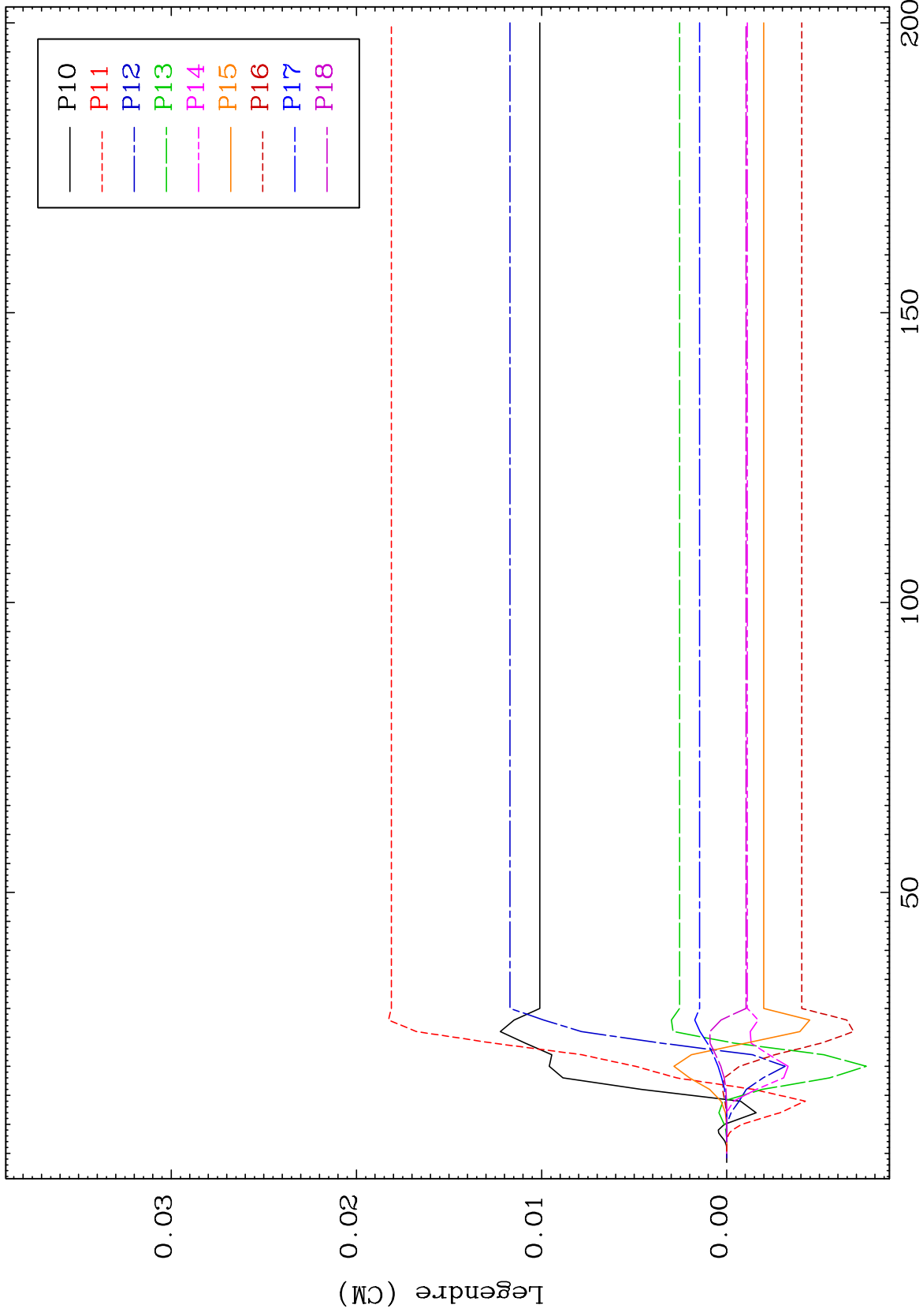
Incident Energy (MeV)

110

MAT 6407

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

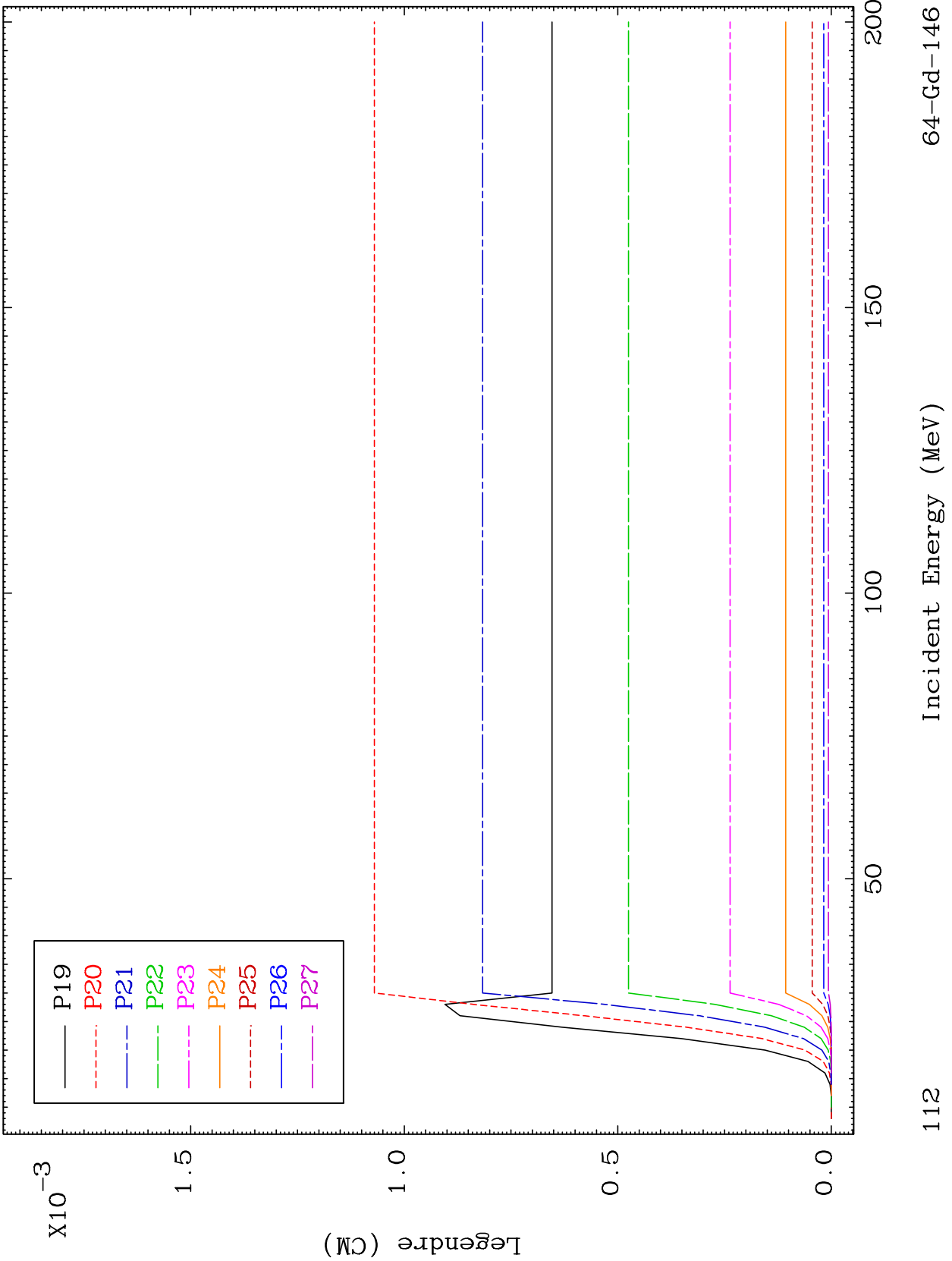
64-Gd-146



111

Incident Energy (MeV)

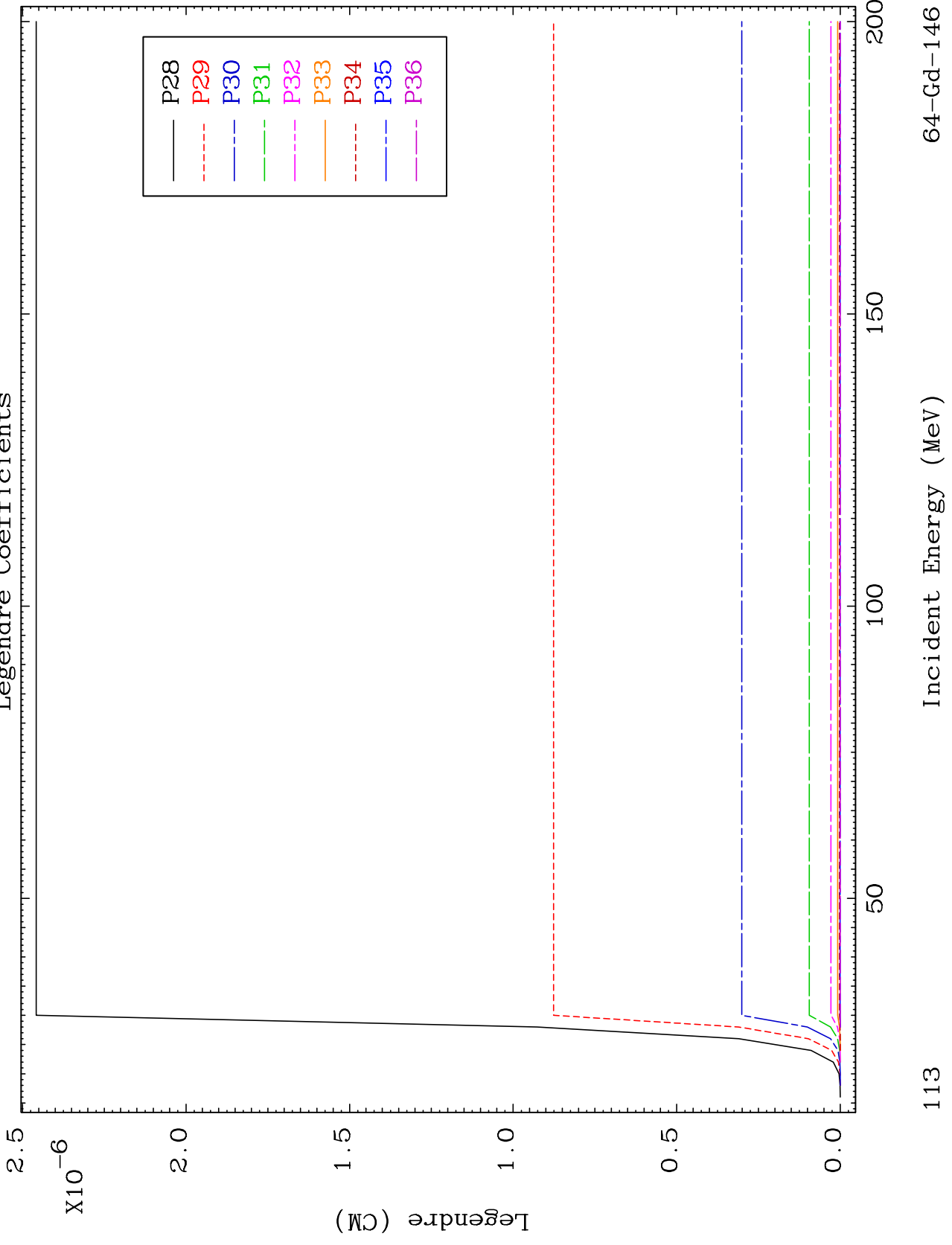
64-Gd-146



MAT 6407

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

64-Gd-146



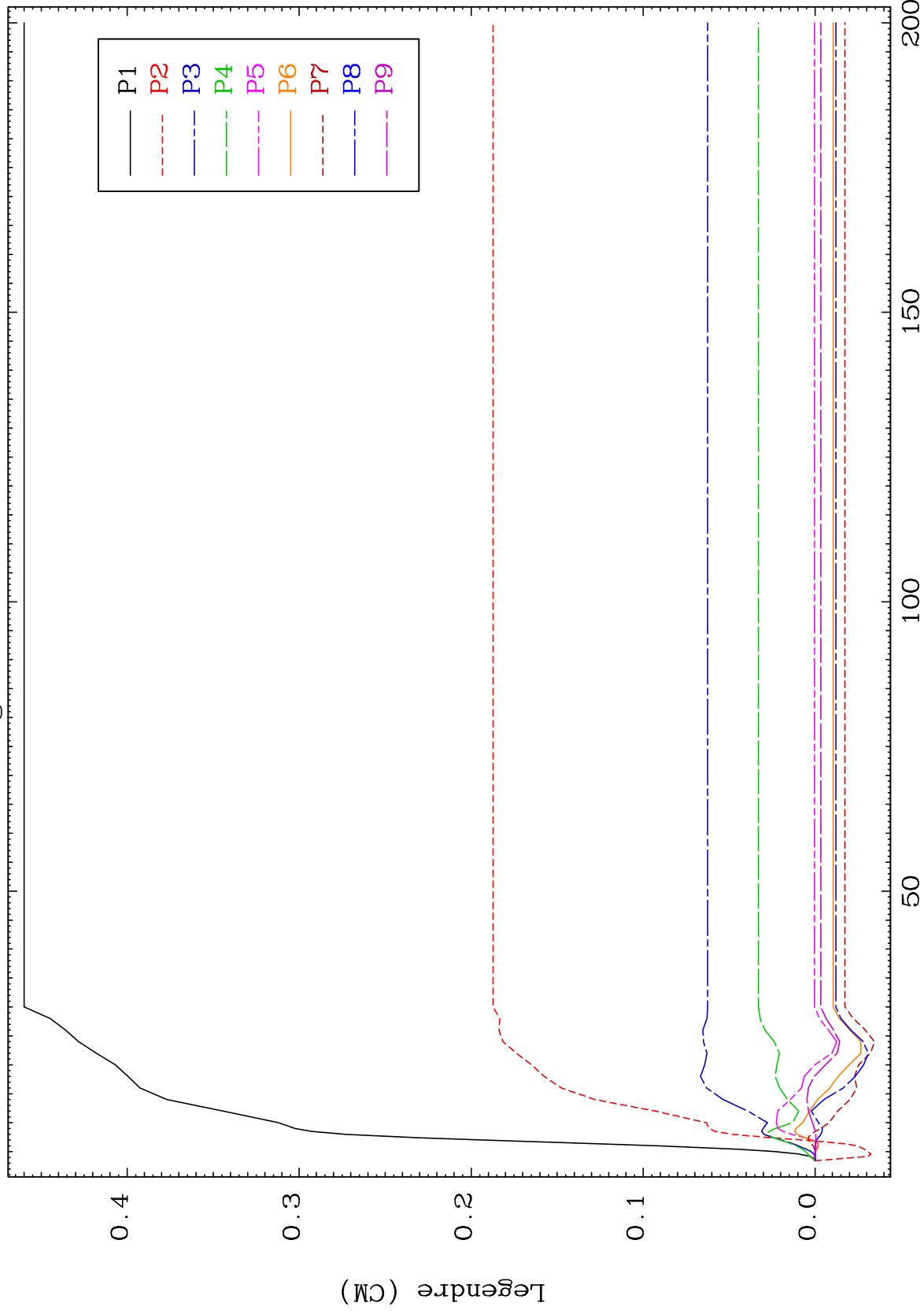
113

64-Gd-146

MAT 6407

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

64-Gd-146



114

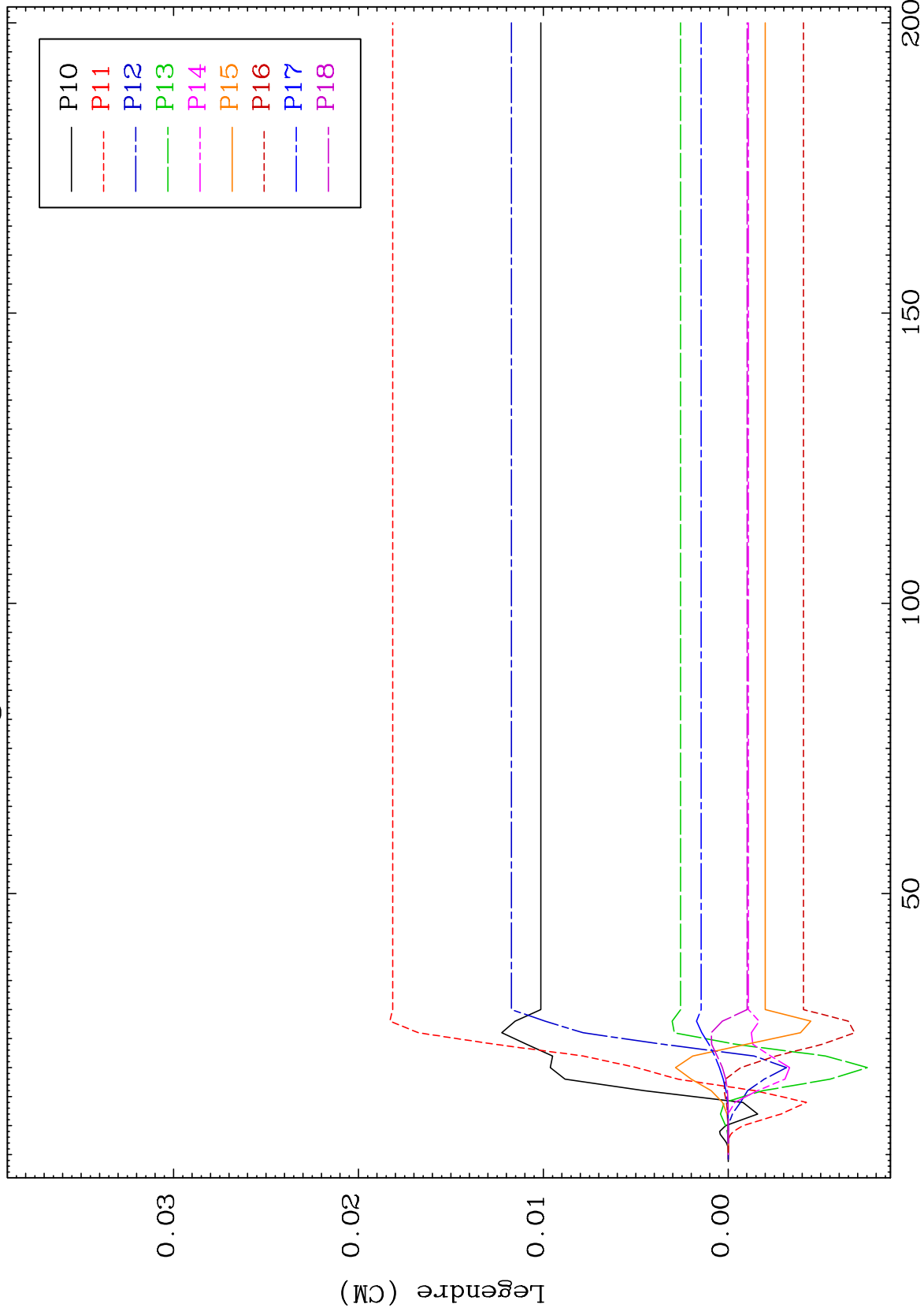
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

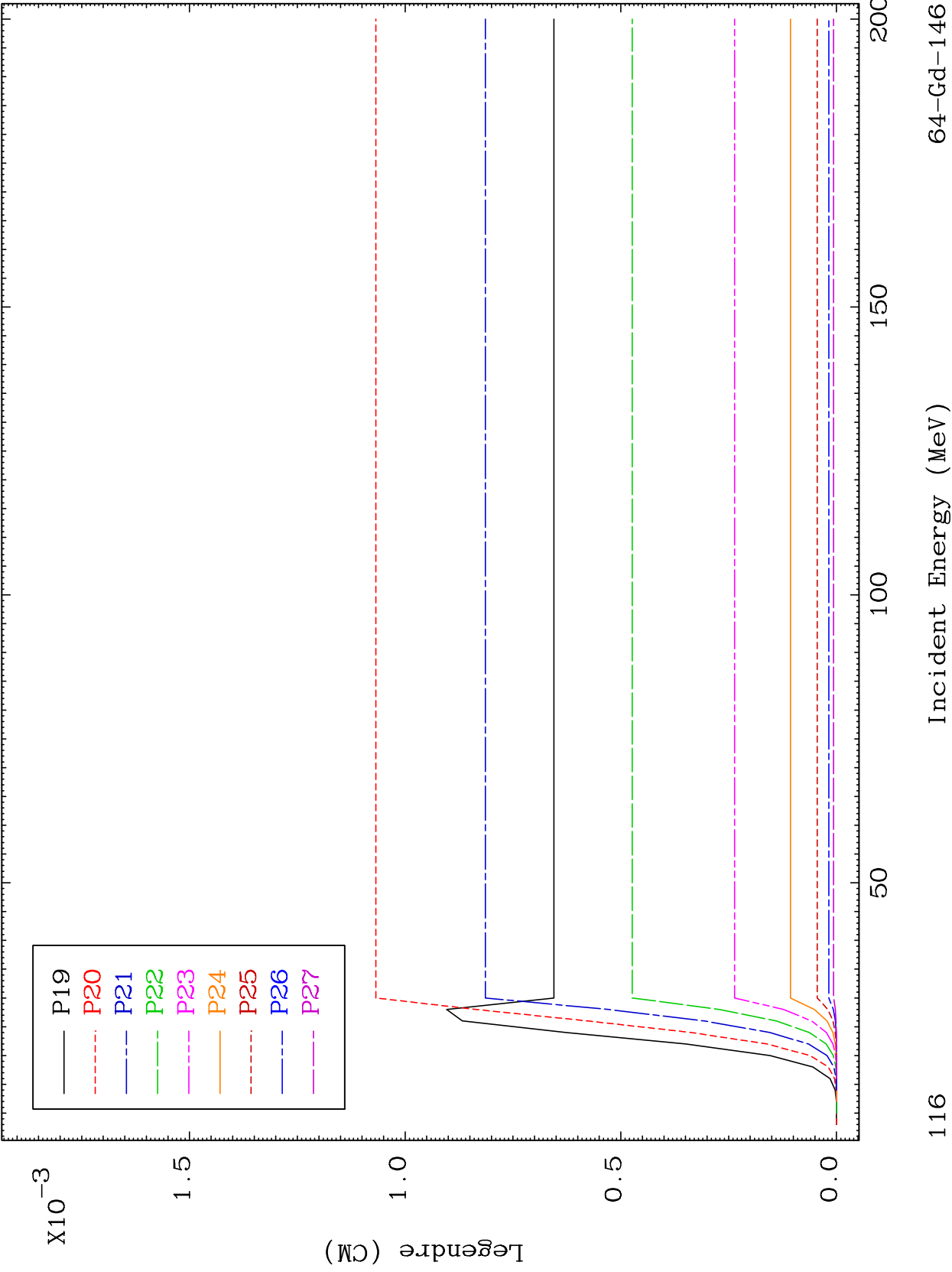
64-Gd-146

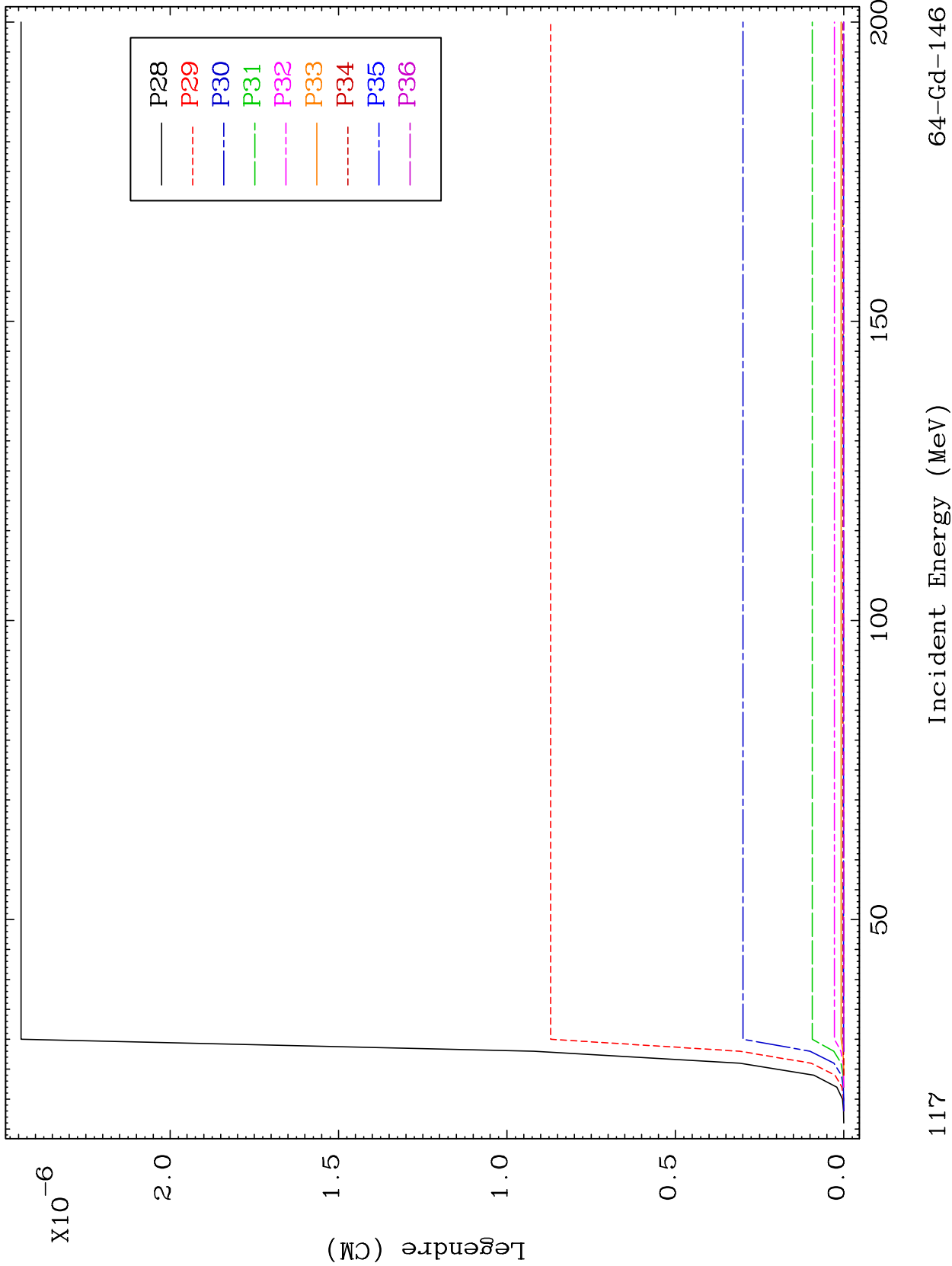


115

Incident Energy (MeV)

64-Gd-146

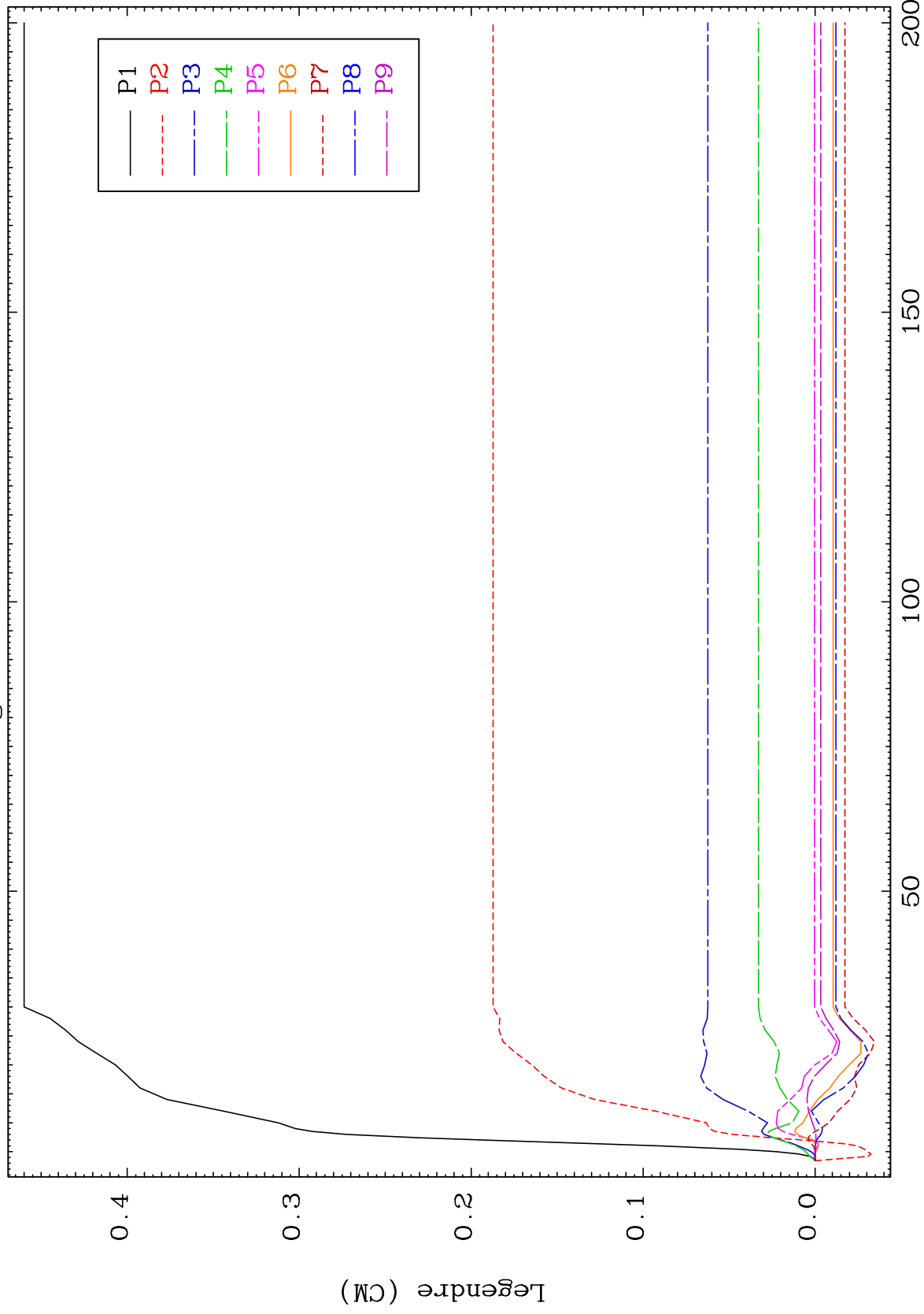




MAT 6407

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

64-Gd-146



118

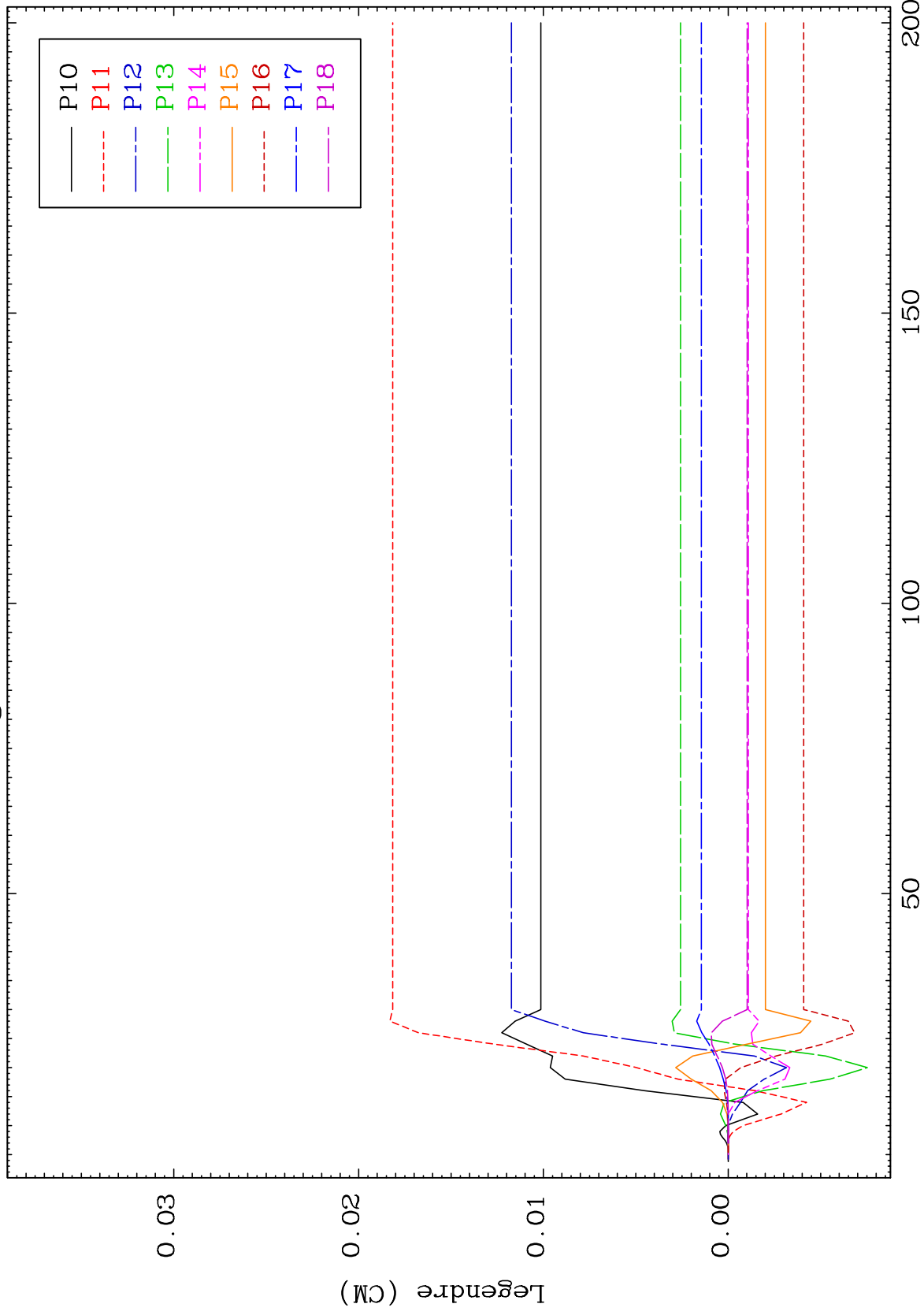
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



119

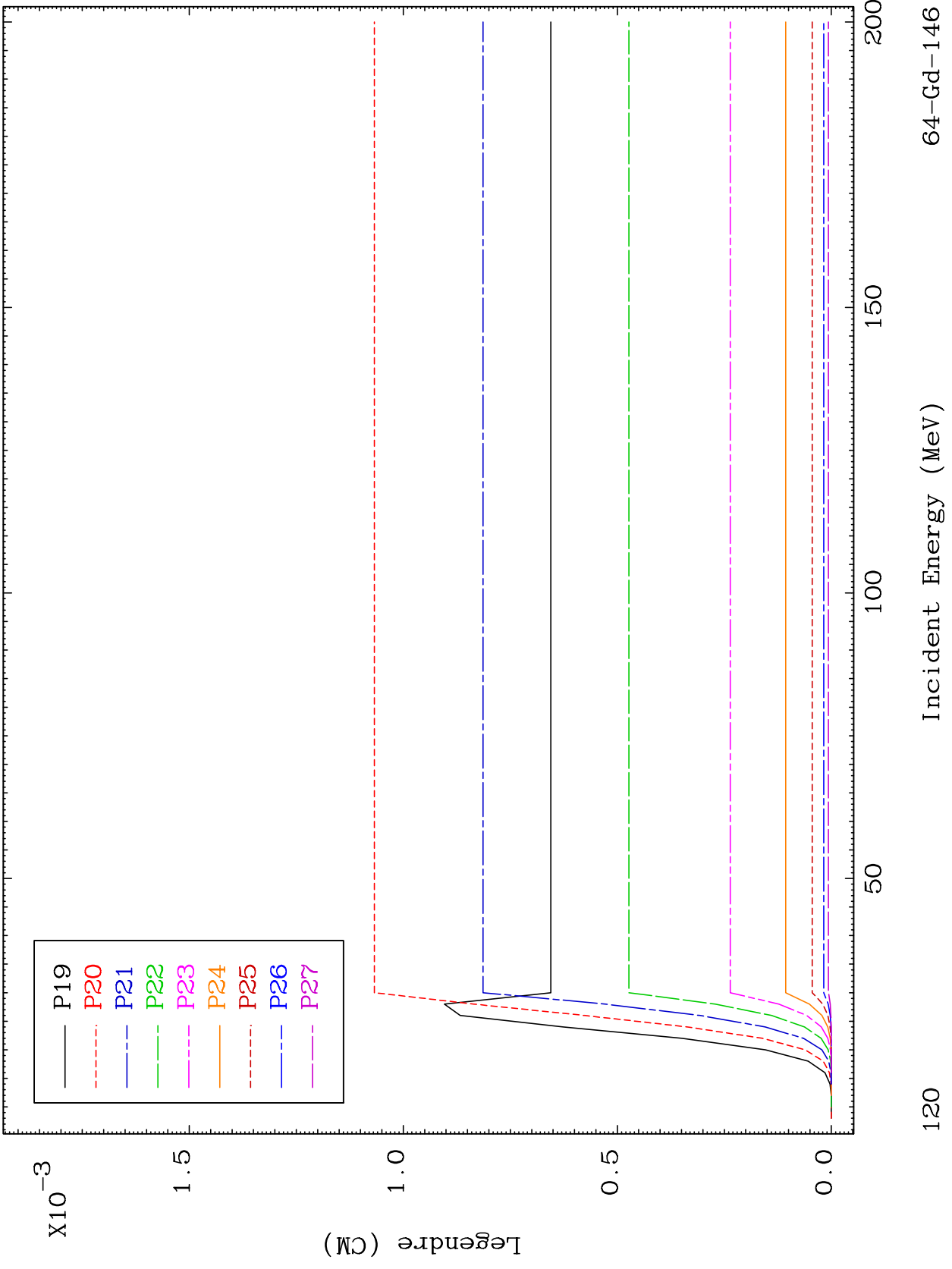
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

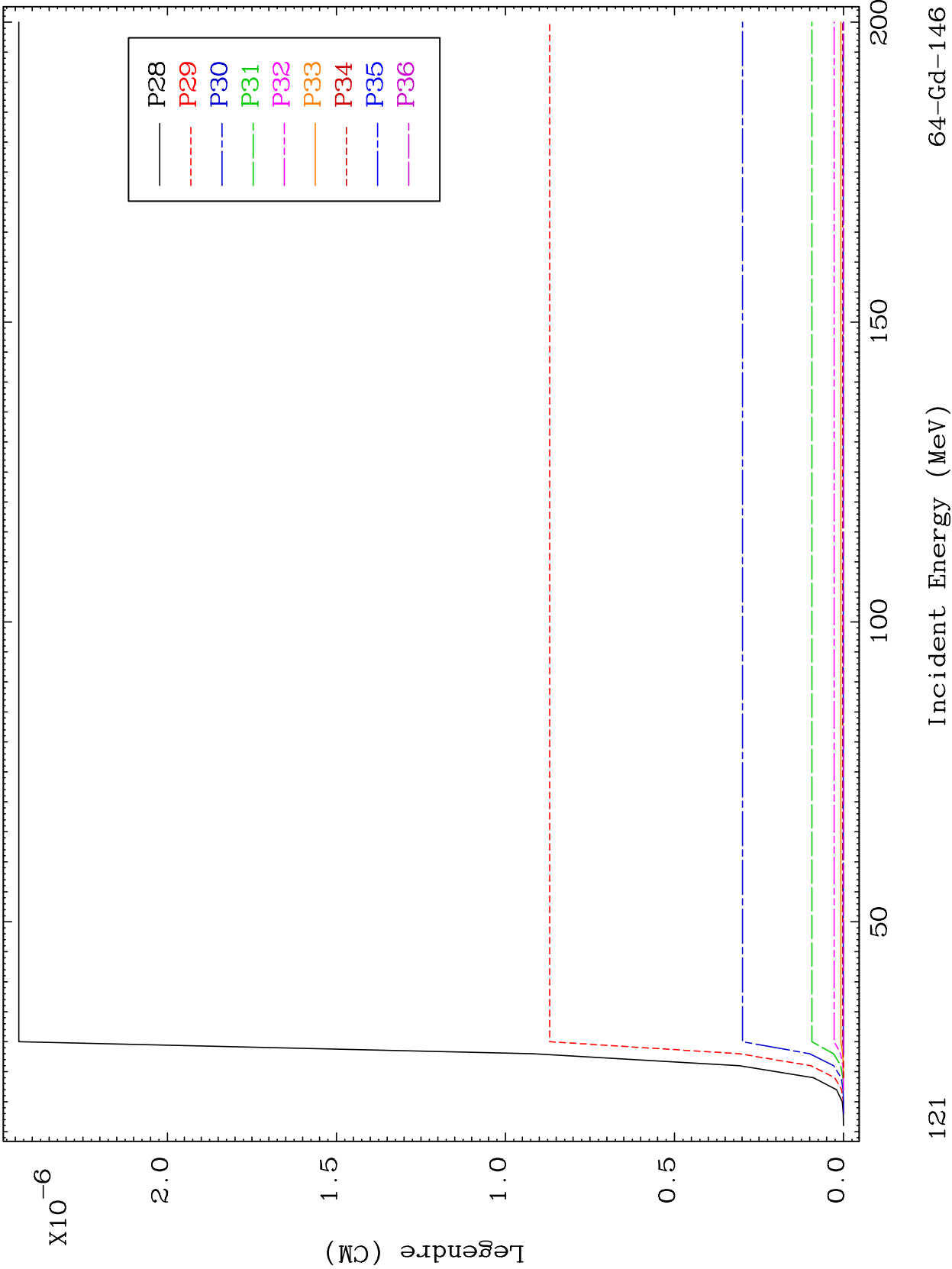
64-Gd-146



MAT 6407

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

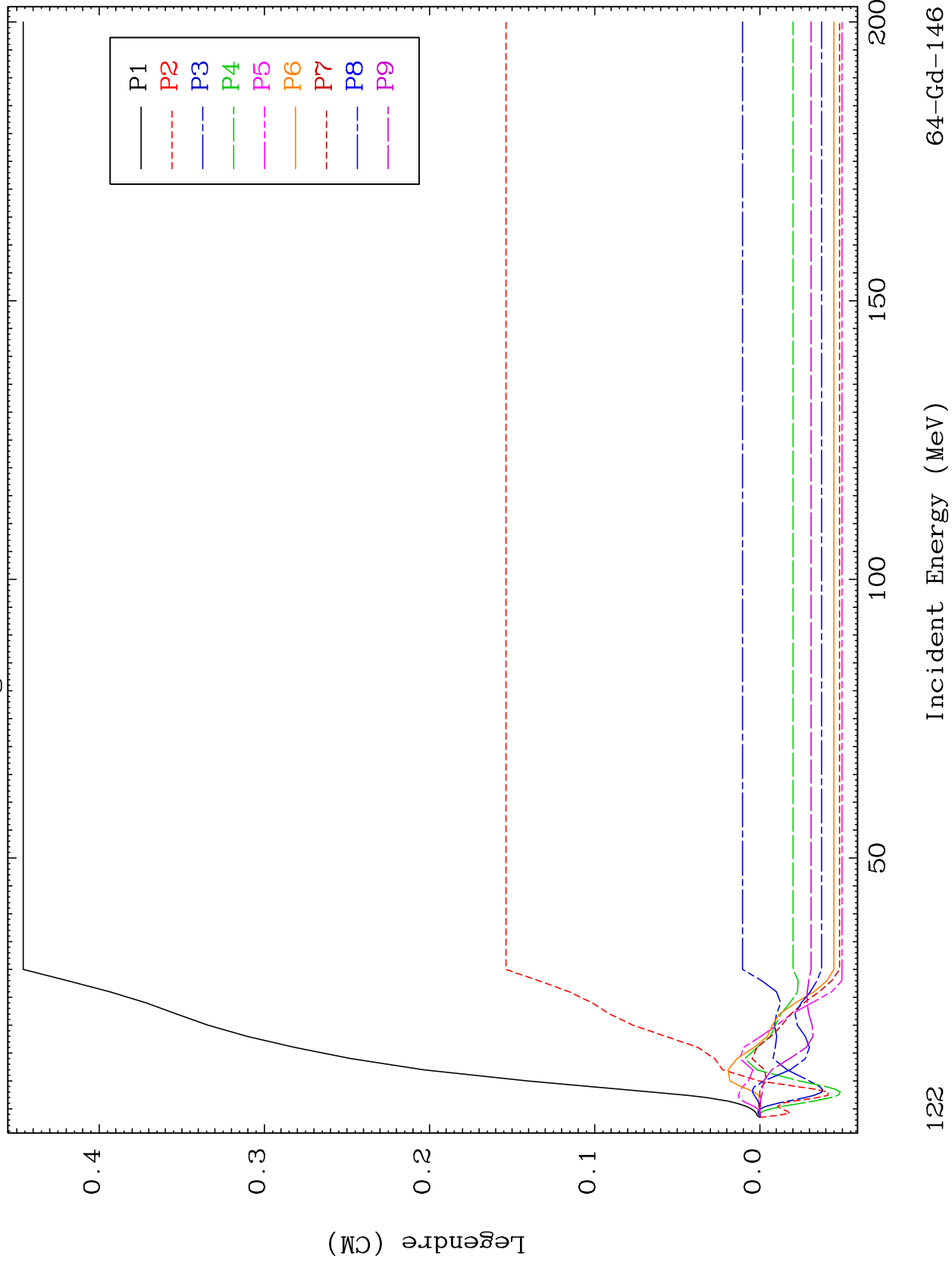
64-Gd-146



MAT 6407

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

64-Gd-146



122

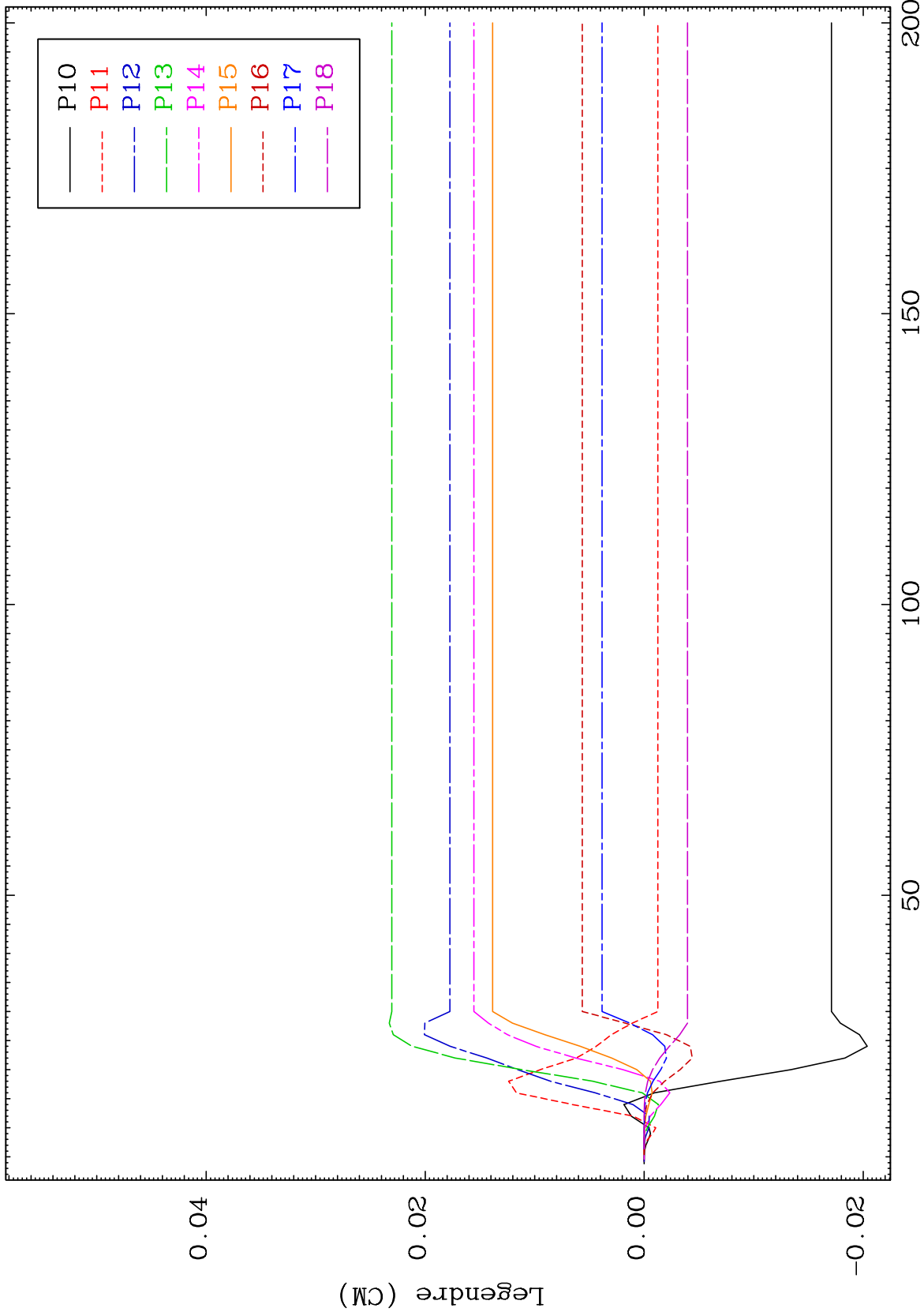
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

64-Gd-146



123

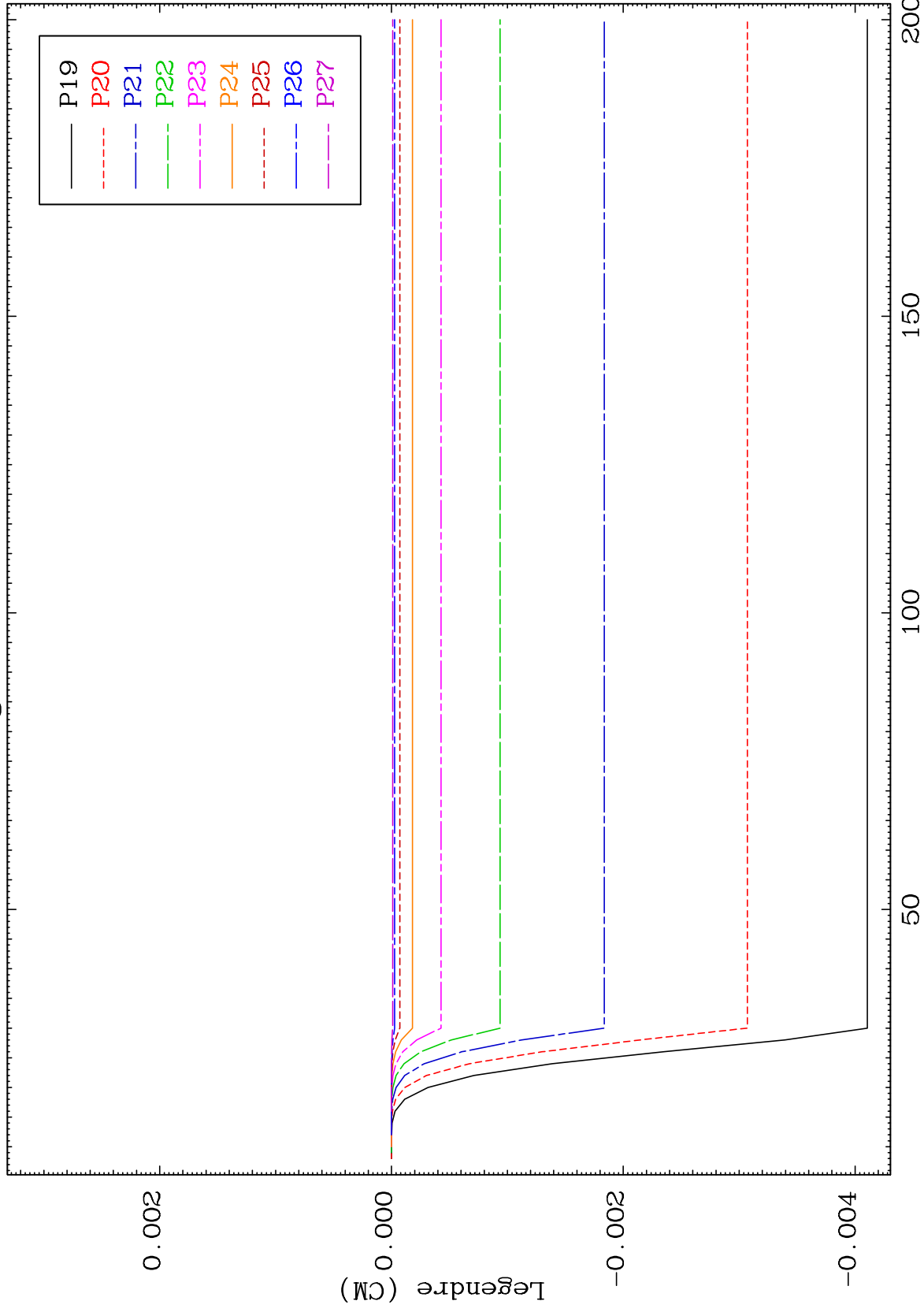
Incident Energy (MeV)

64-Gd-146

MAT 6407

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

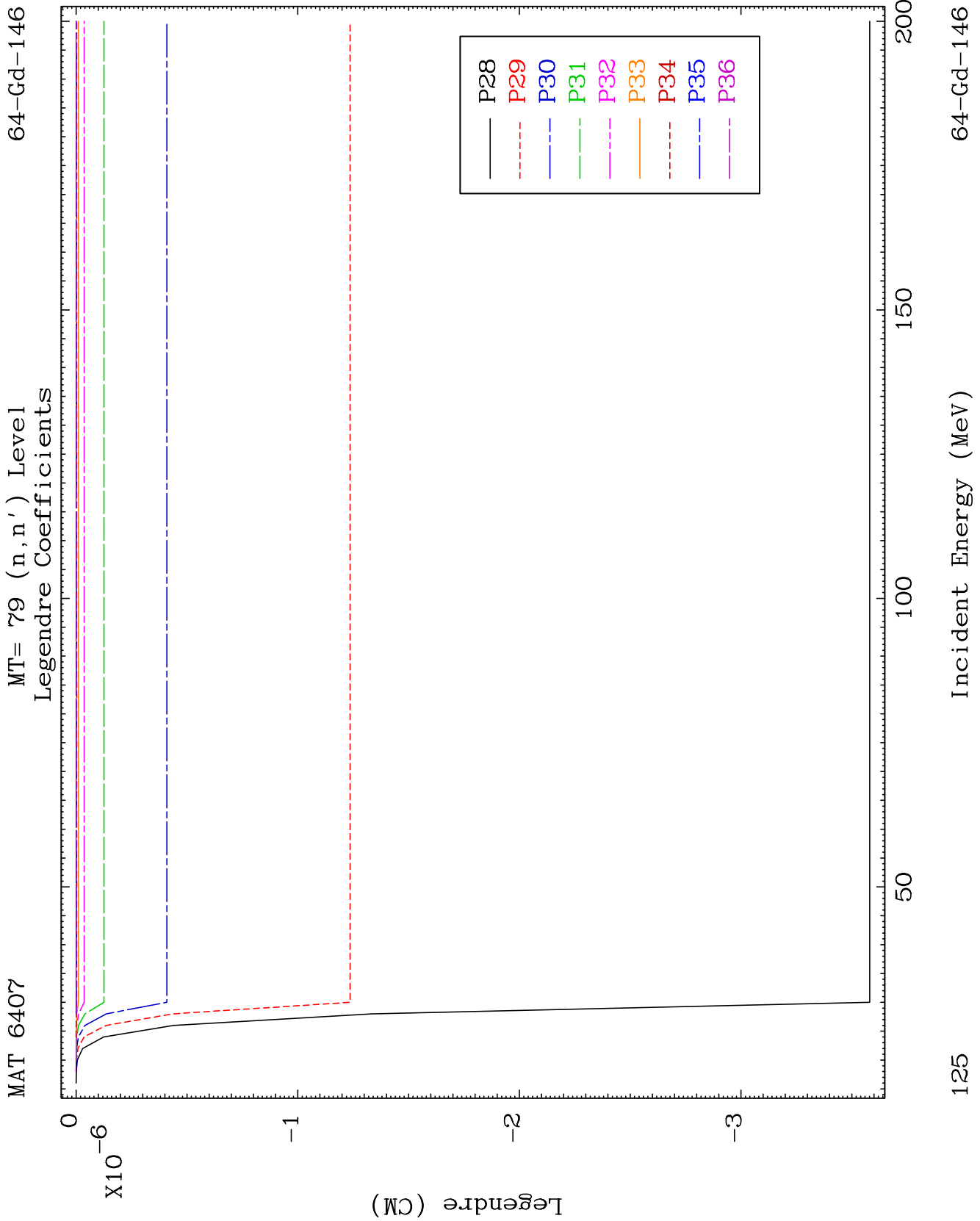
64-Gd-146

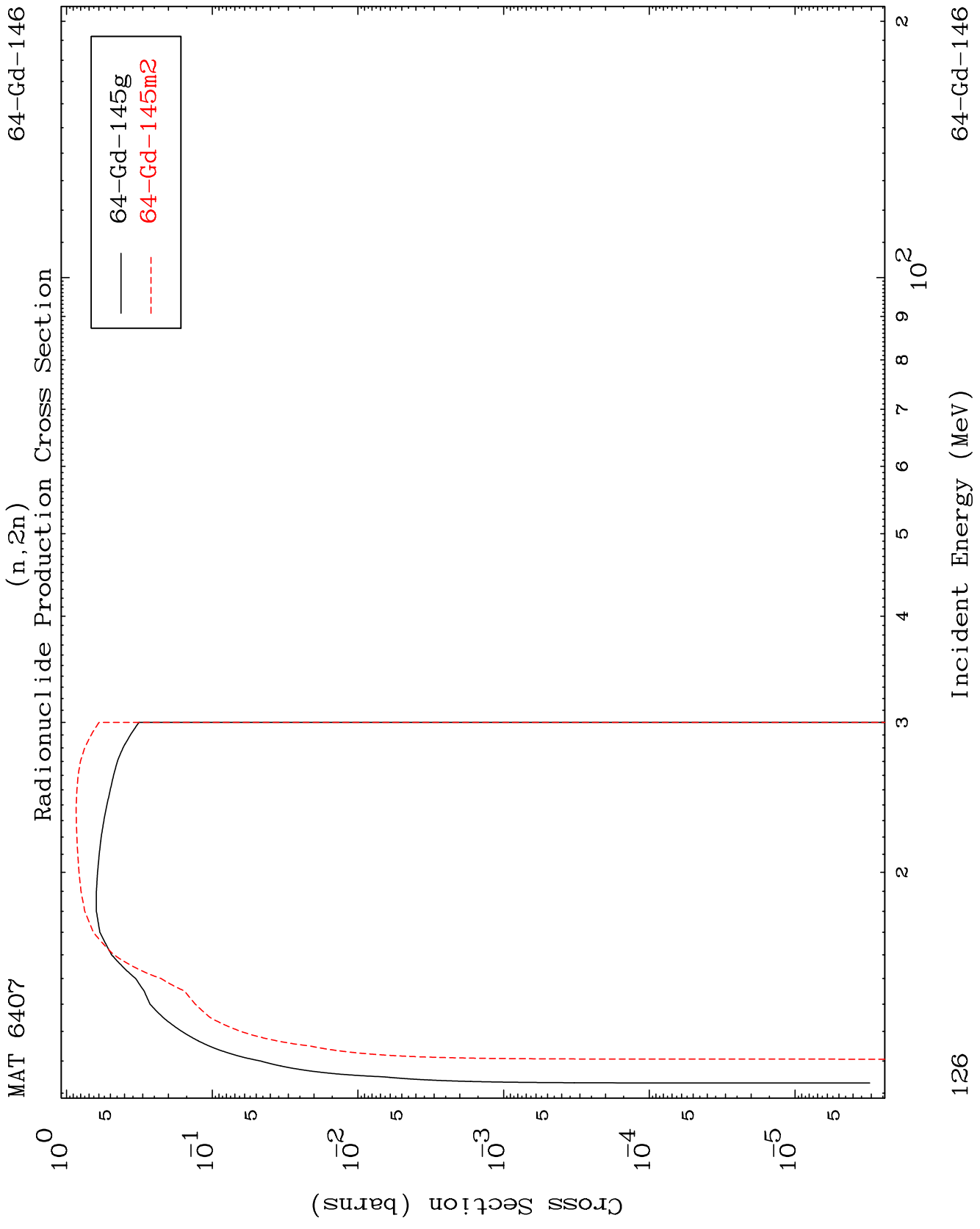


124

Incident Energy (MeV)

64-Gd-146



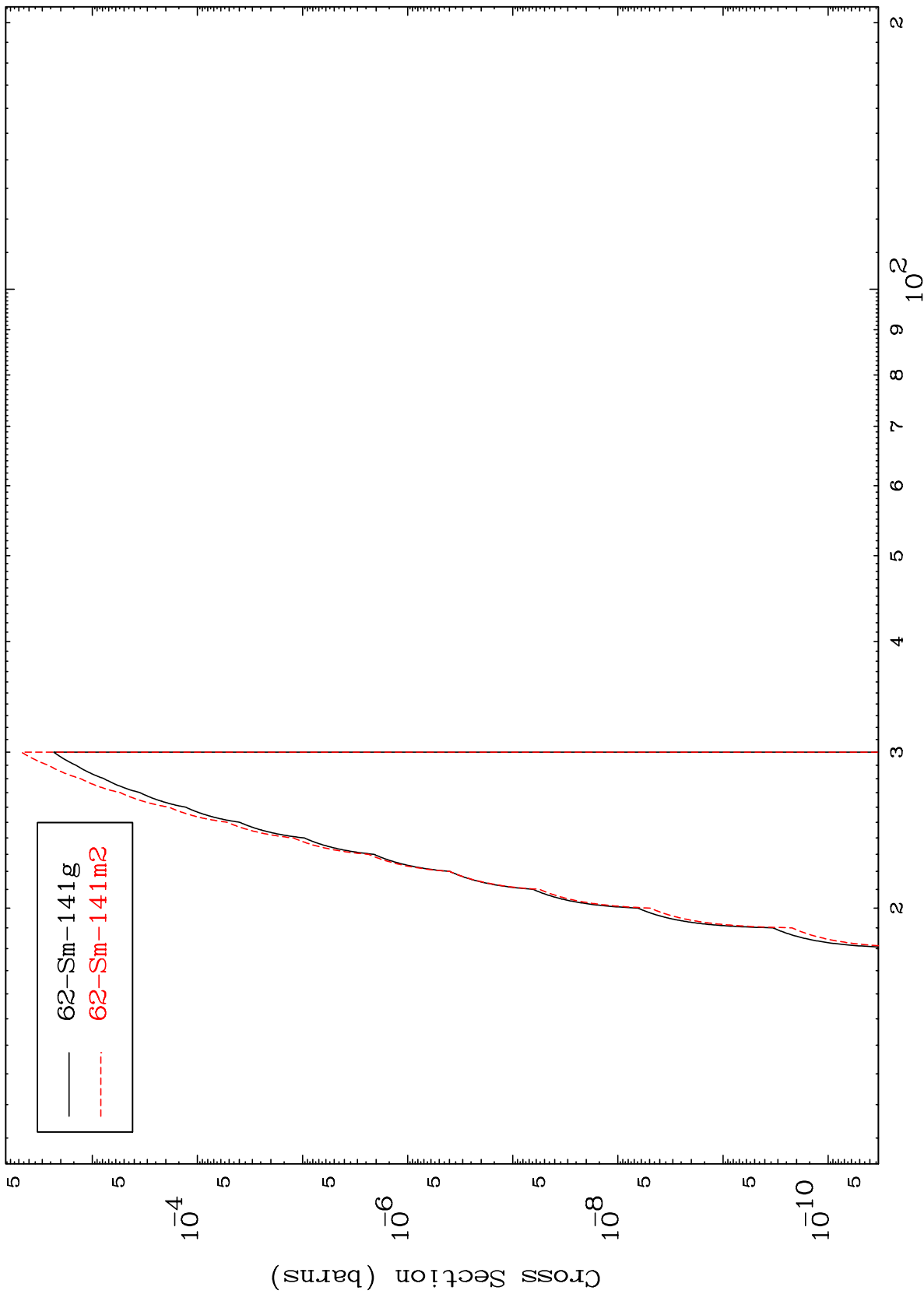


MAT 6407

(n,2n)  $\alpha$

64-Gd-146

Radionuclide Production Cross Section



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

127

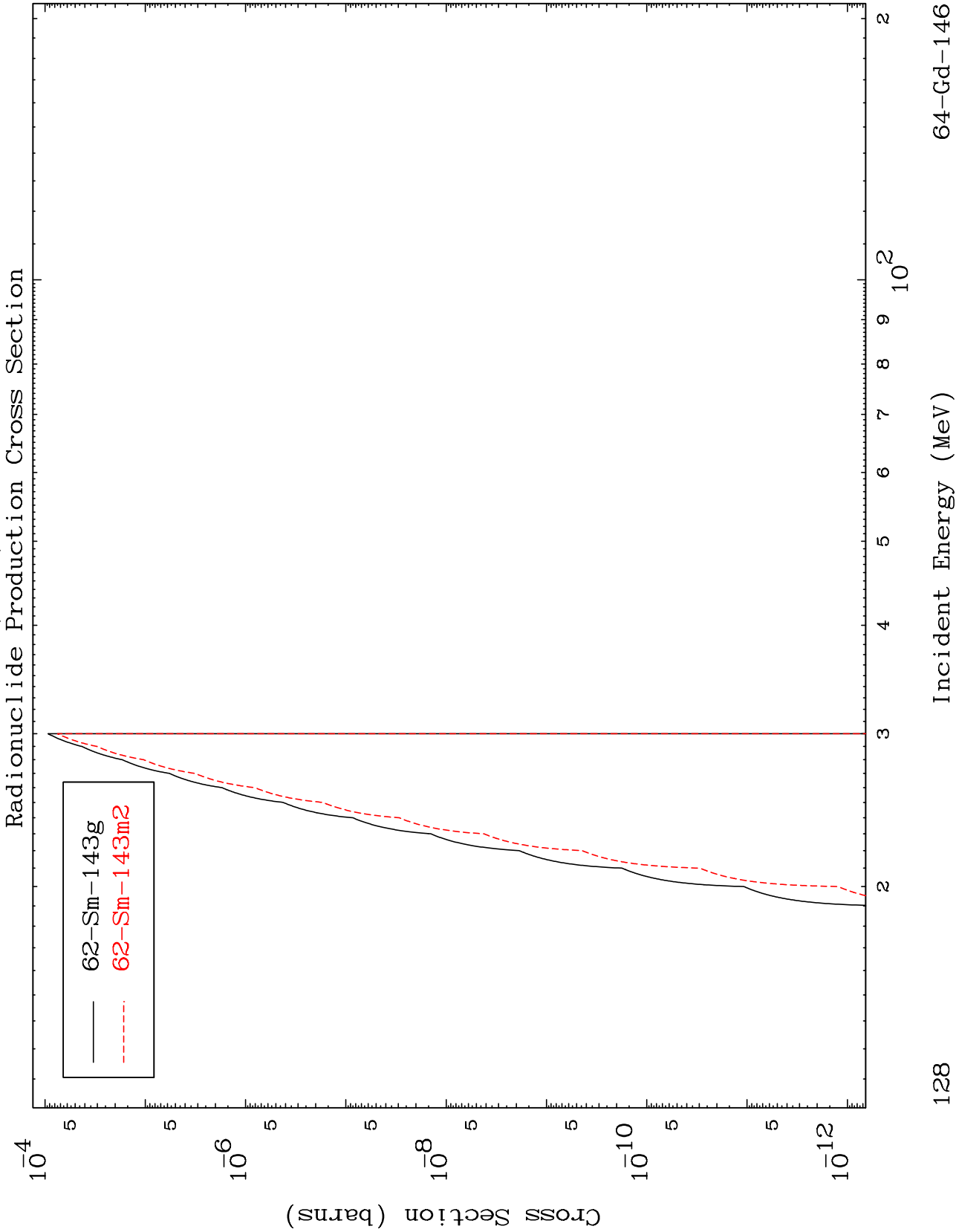
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,n') He-3

64-Gd-146



128

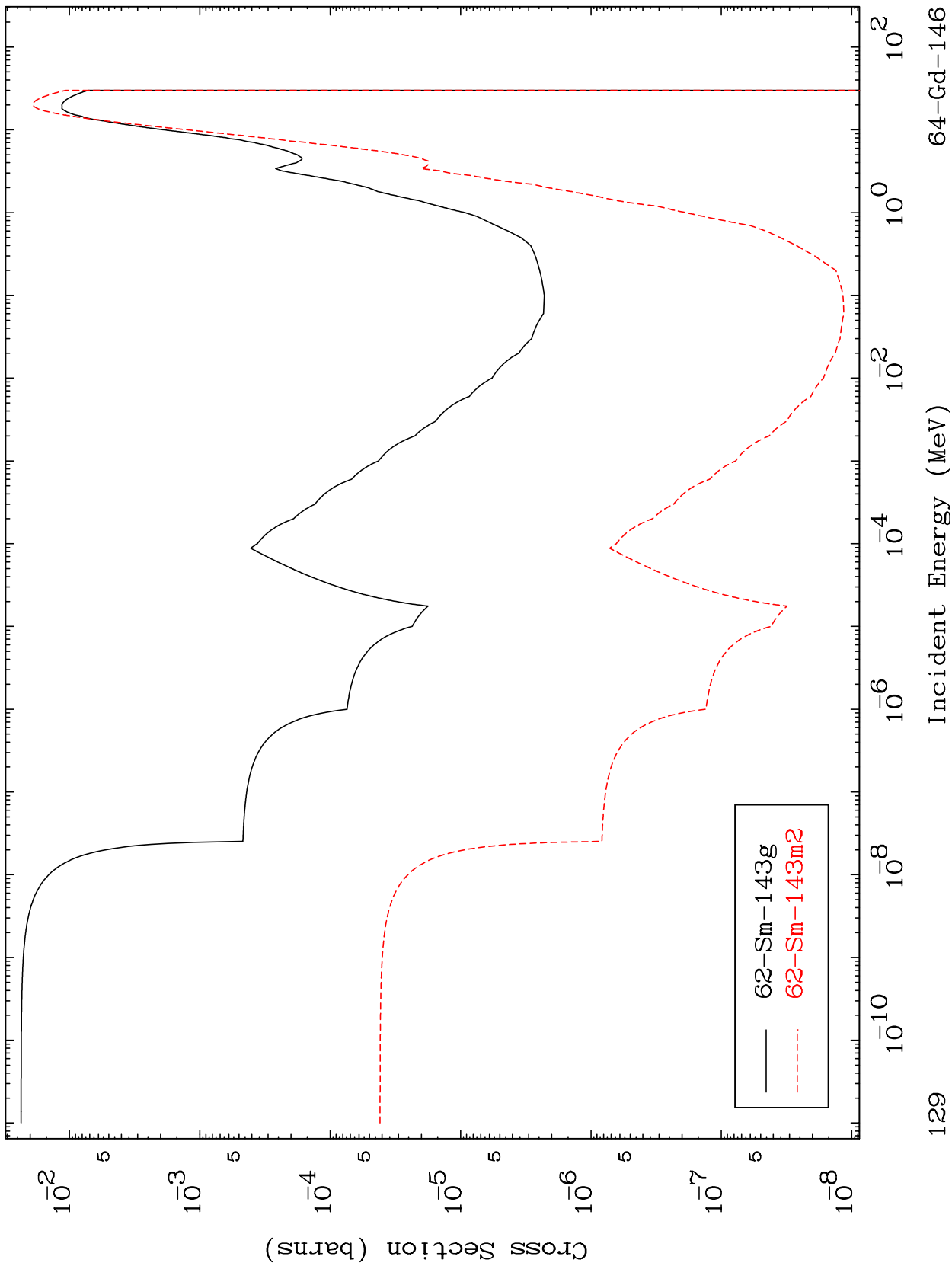
Incident Energy (MeV)

64-Gd-146

MAT 6407

64-Gd-146

Radionuclide Production Cross Section  
(n,  $\alpha$ )



129

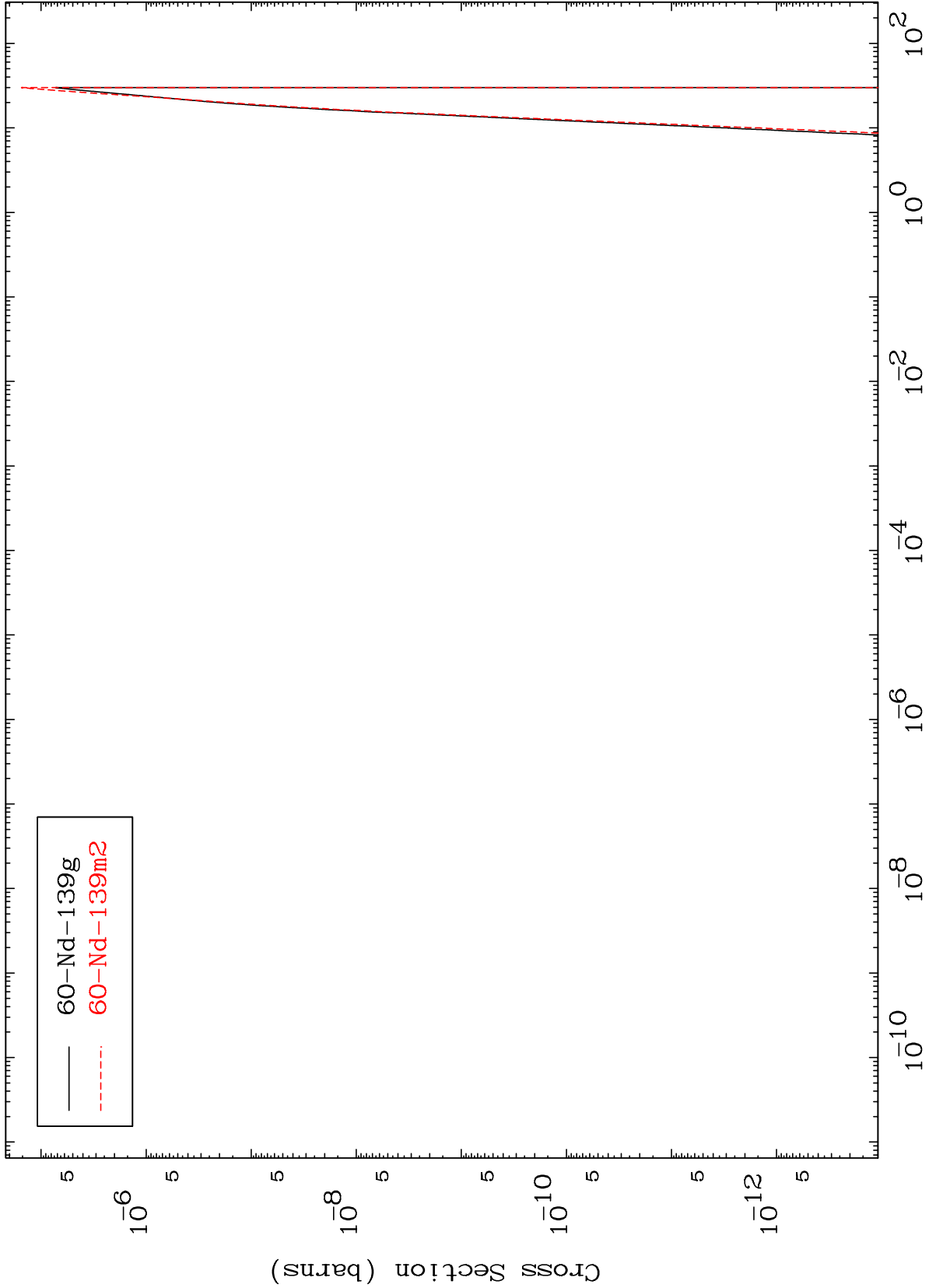
64-Gd-146

MAT 6407

(n,2α)

64-Gd-146

Radionuclide Production Cross Section



130

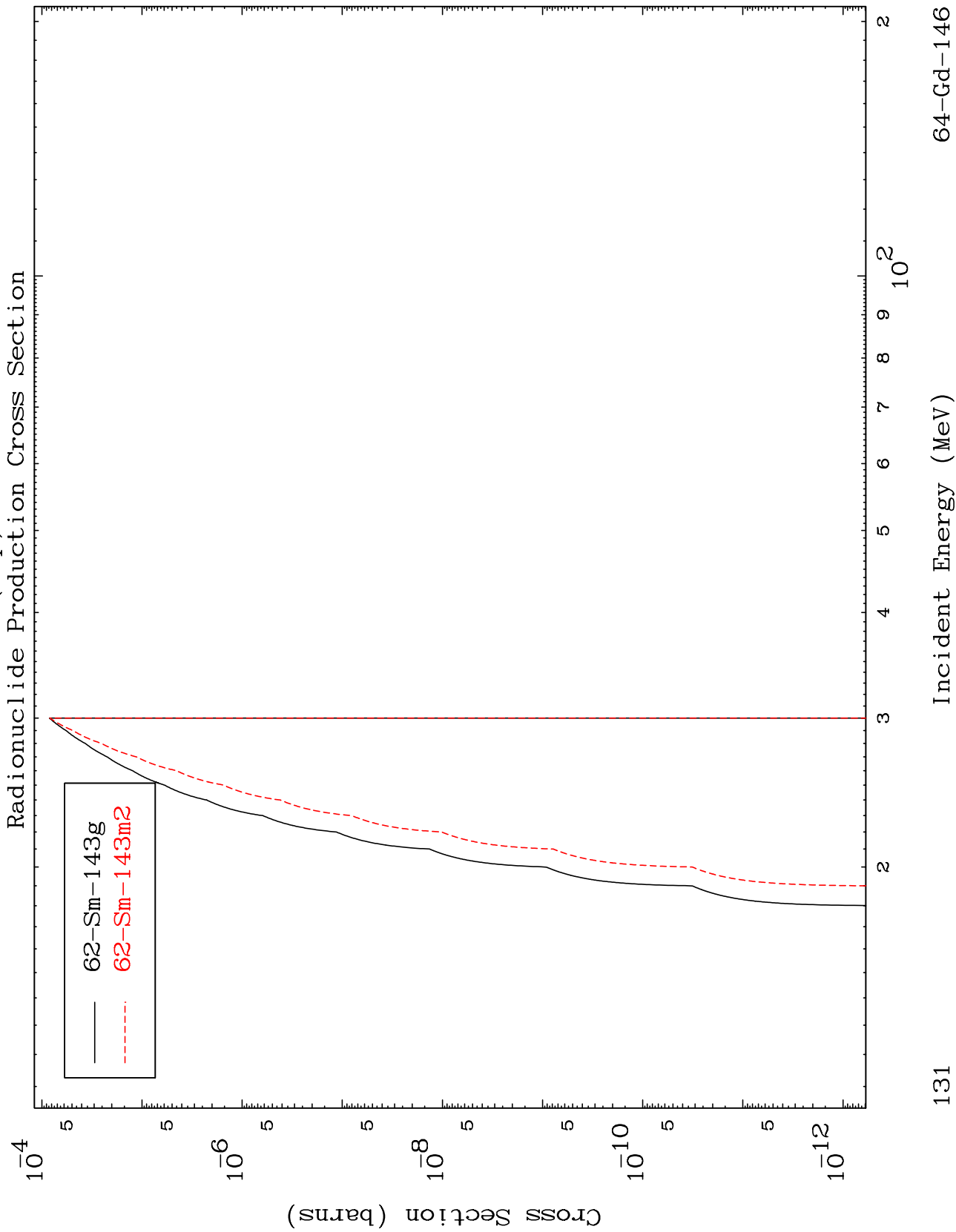
Incident Energy (MeV)

64-Gd-146

MAT 6407

(n,p) t

64-Gd-146



131

64-Gd-146