

Program EVALPLOT
(Version 2021-1)

by

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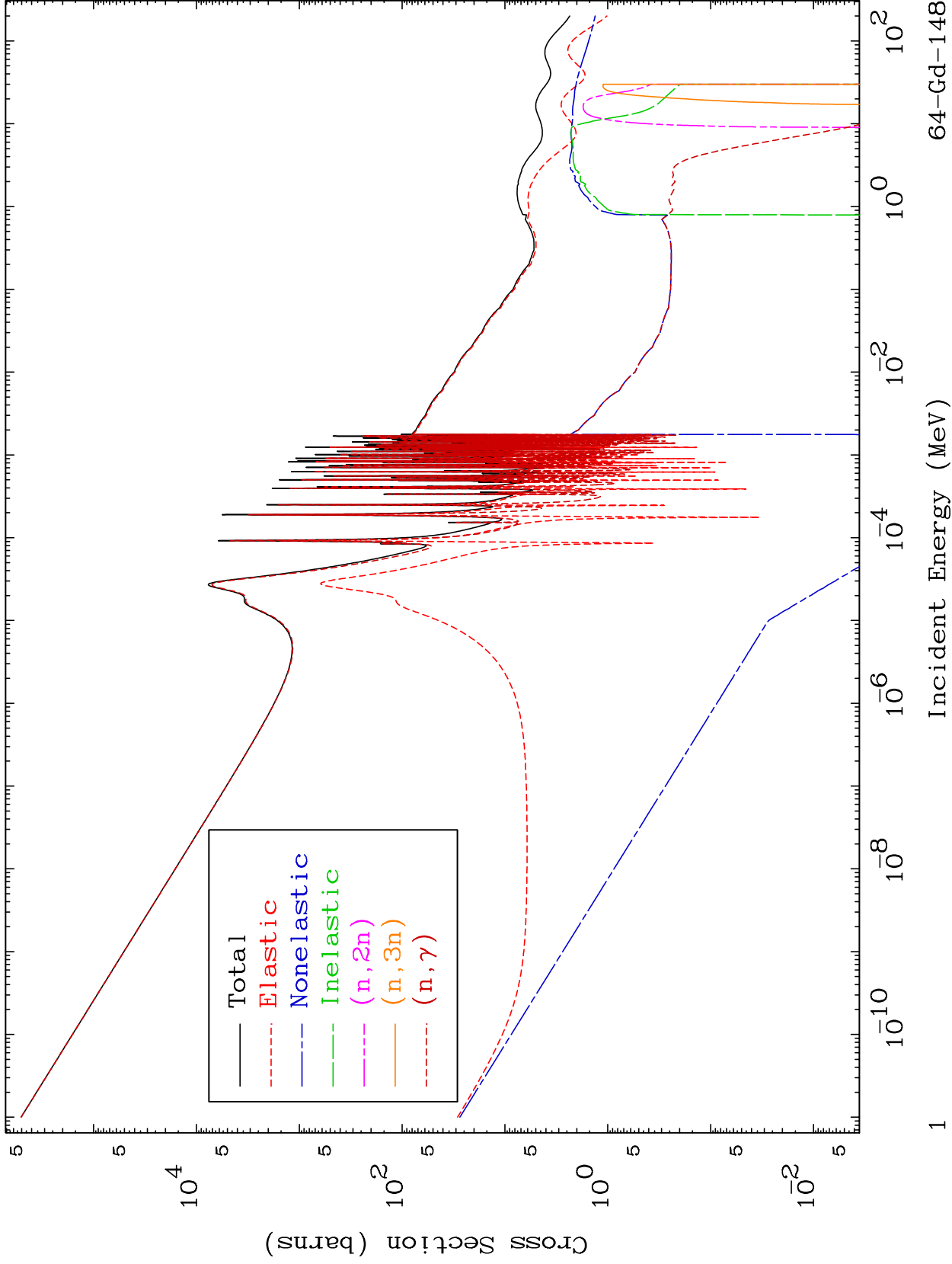
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Press Mouse Button to Start

MAT 6413

Neutron Major
293 Kelvin Cross Sections

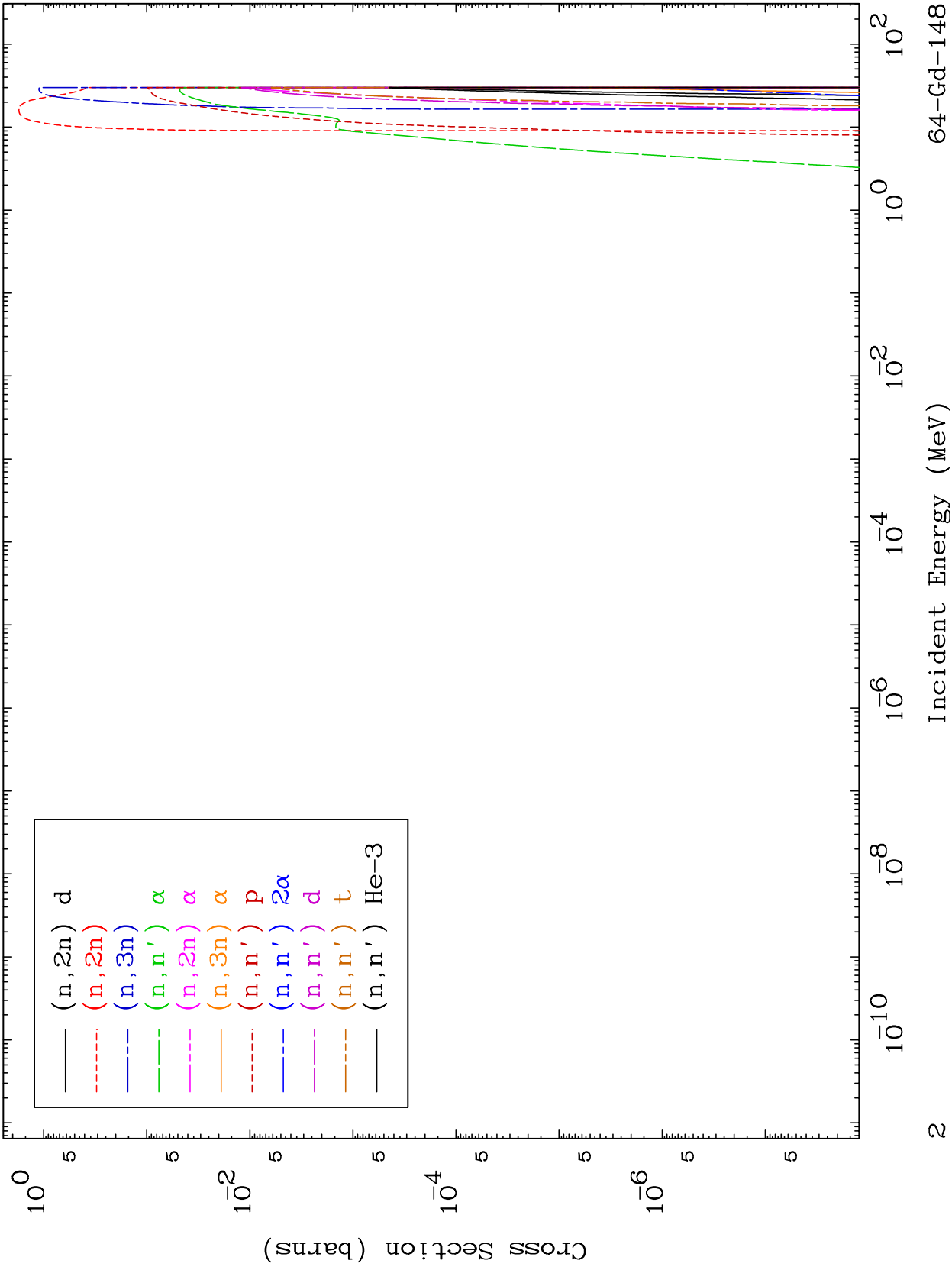
64-Gd-148



MAT 6413

Neutron Absorption
293 Kelvin Cross Sections

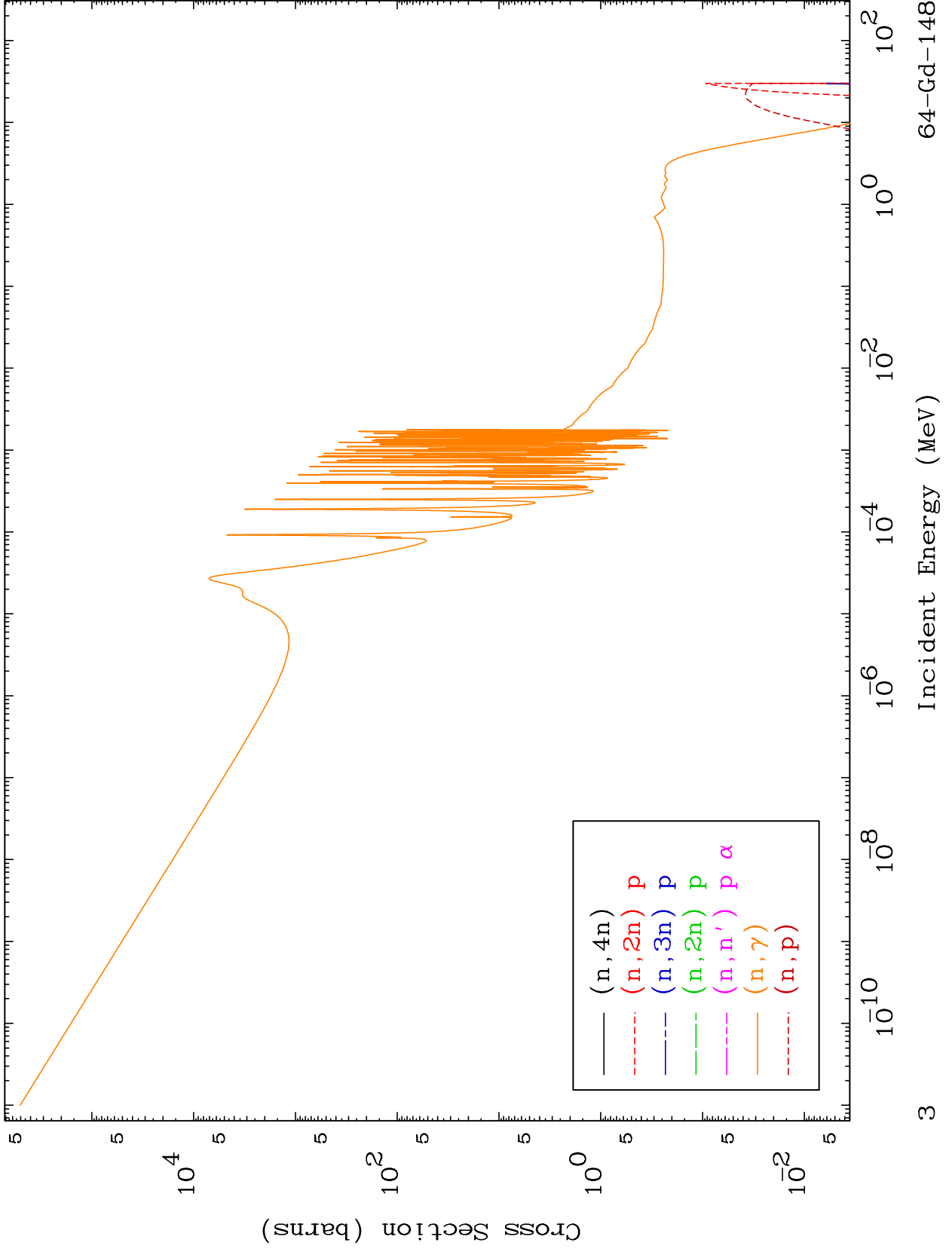
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MAT 6413

Neutron Absorption
293 Kelvin Cross Sections

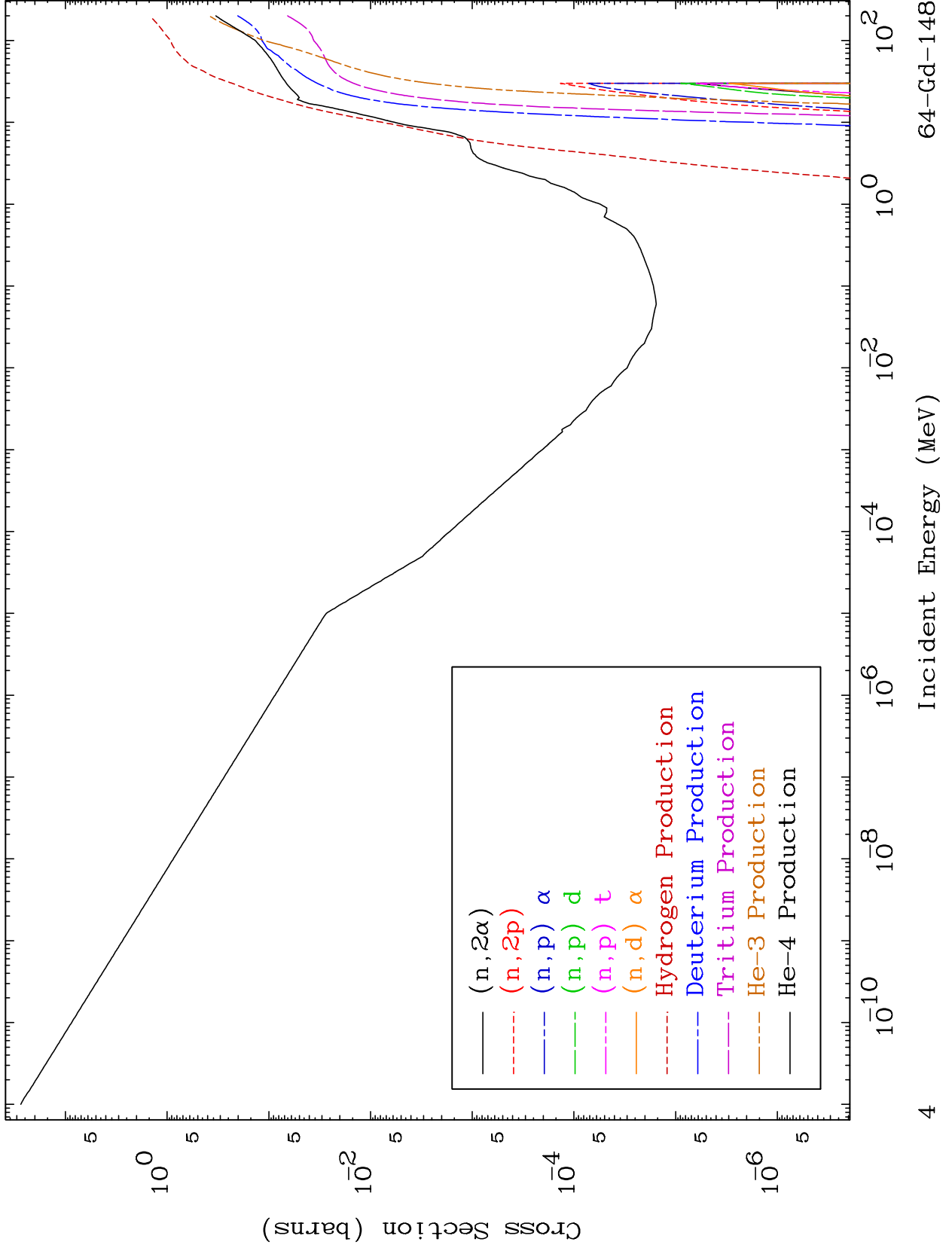
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MAT 6413

Neutron Absorption
293 Kelvin Cross Sections

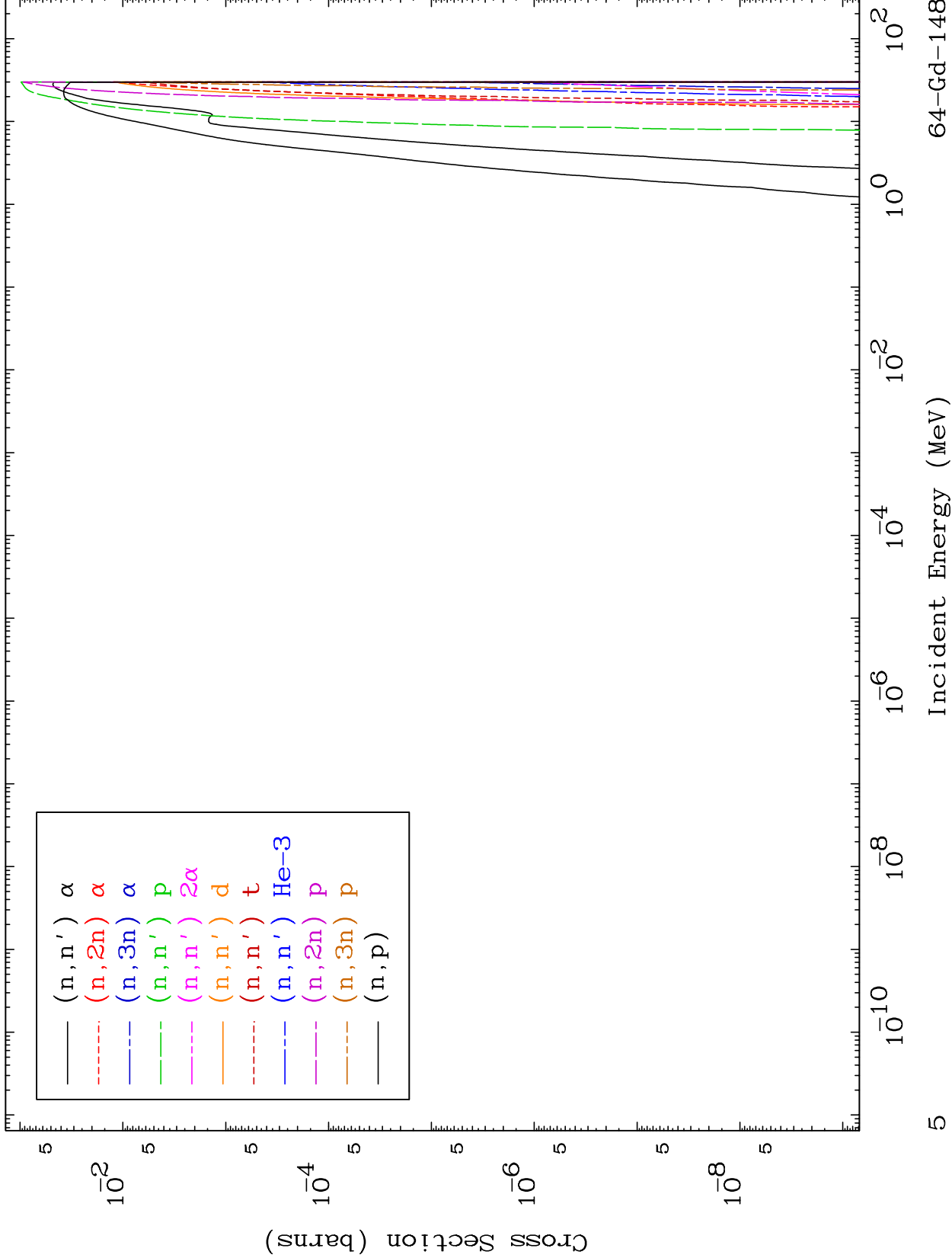
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MAT 6413

Charged Particle
293 Kelvin Cross Sections

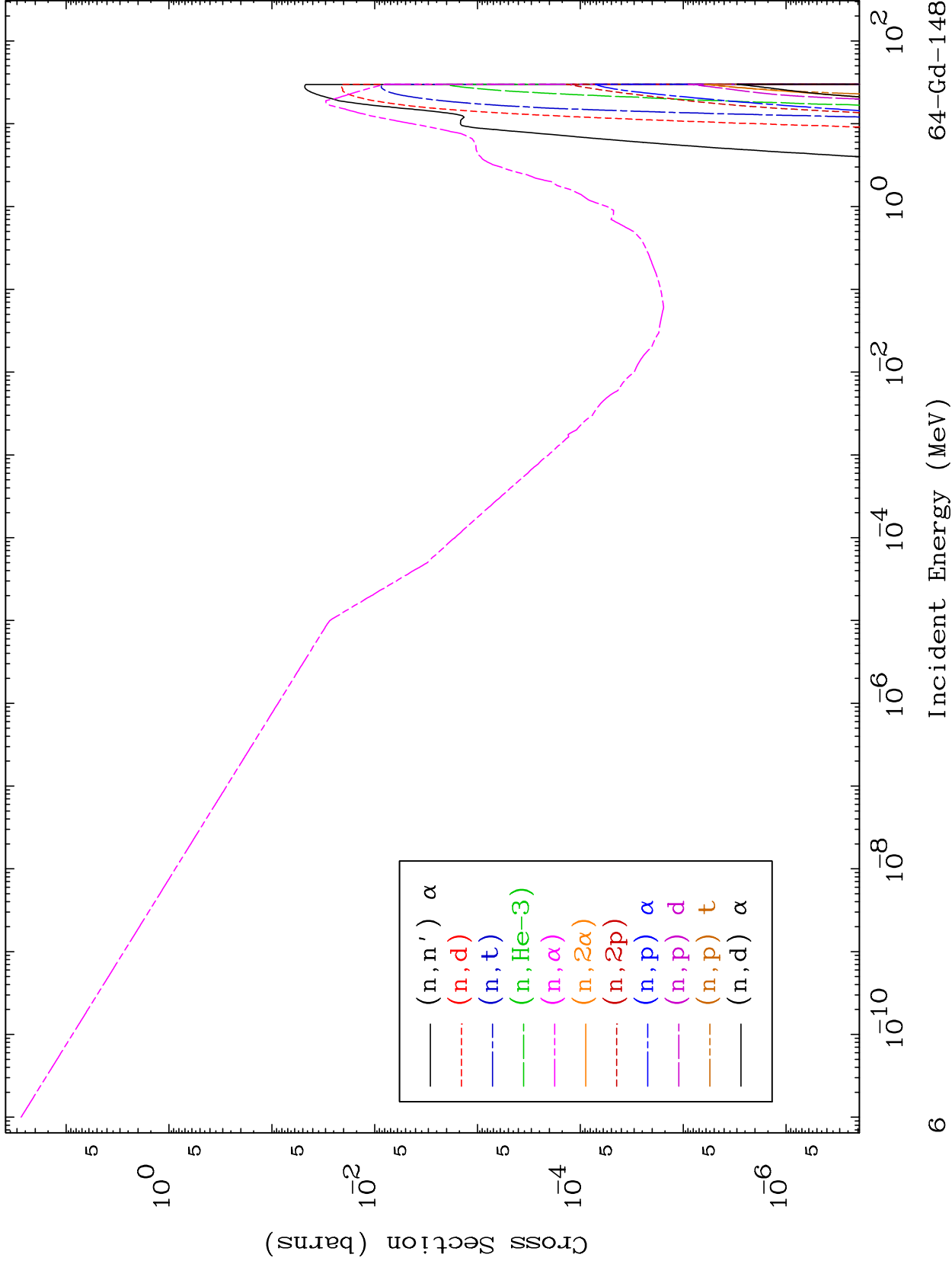
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MAT 6413

Charged Particle
293 Kelvin Cross Sections

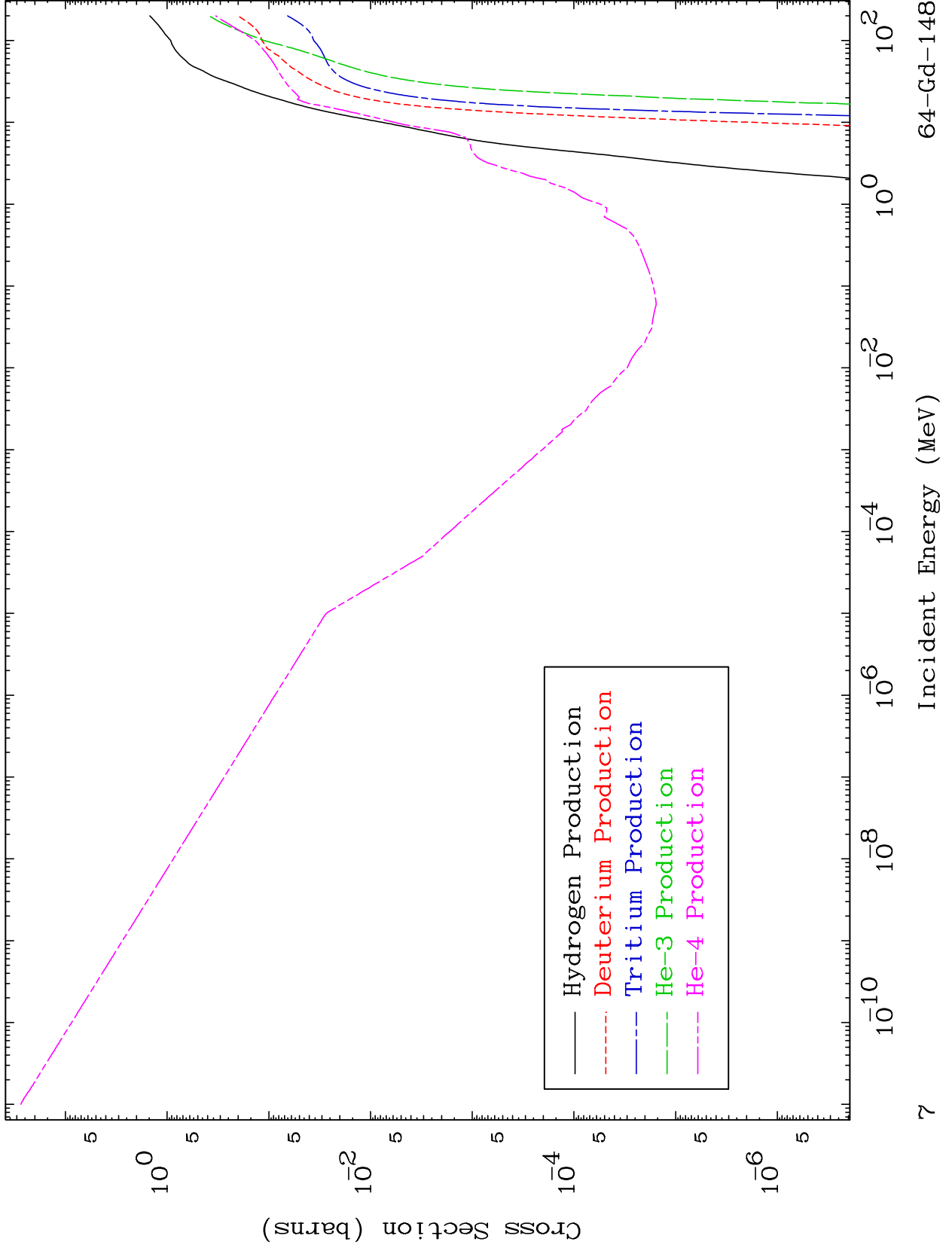
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MAT 6413

Particle Production
293 Kelvin Cross Sections

64-Gd-148

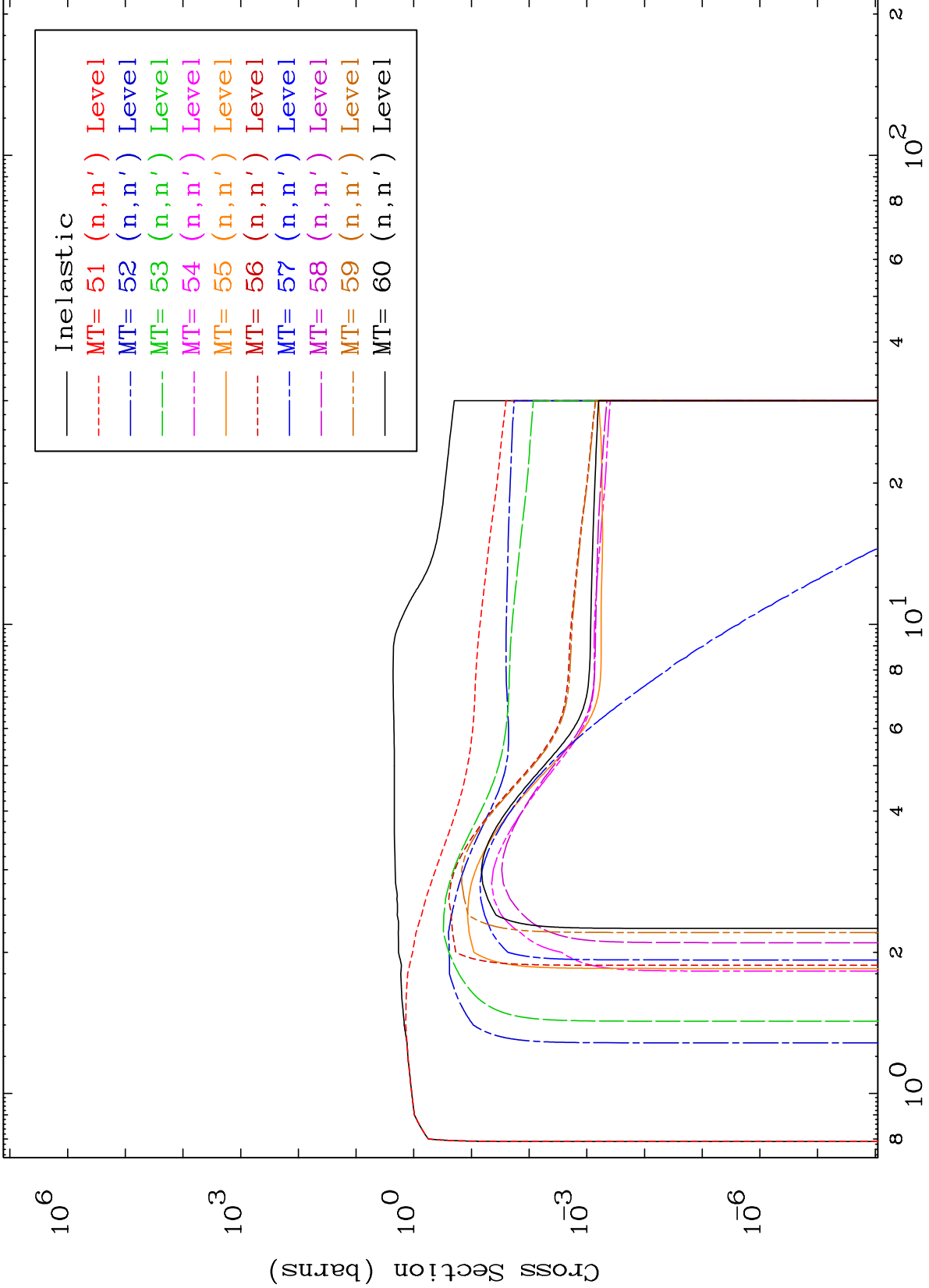


MAT 6413

(n,n') Levels

64-Gd-148

293 Kelvin Cross Sections



8

Incident Energy (MeV)

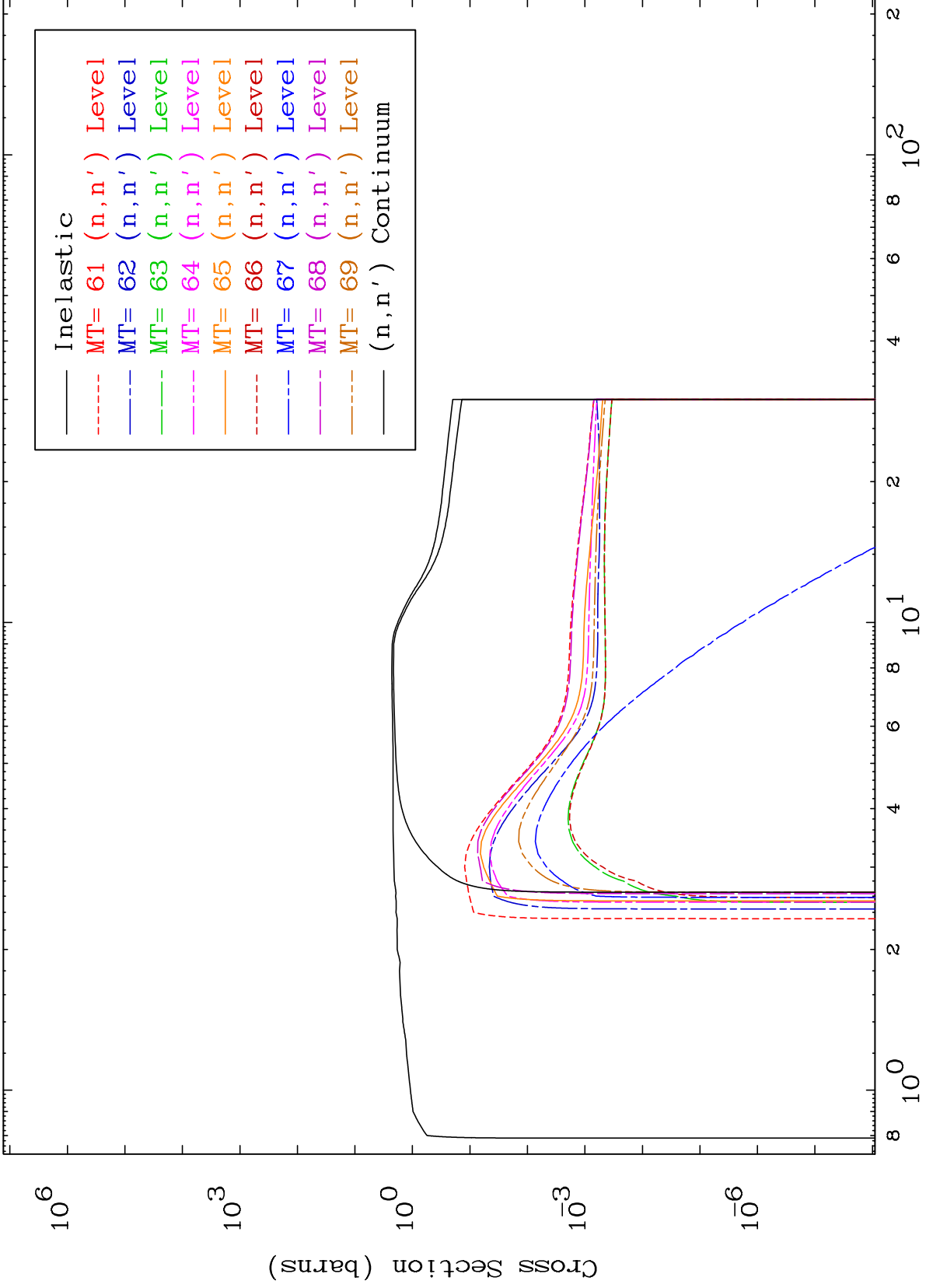
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MAT 6413

(n,n') Levels

64-Gd-148

293 Kelvin Cross Sections



9

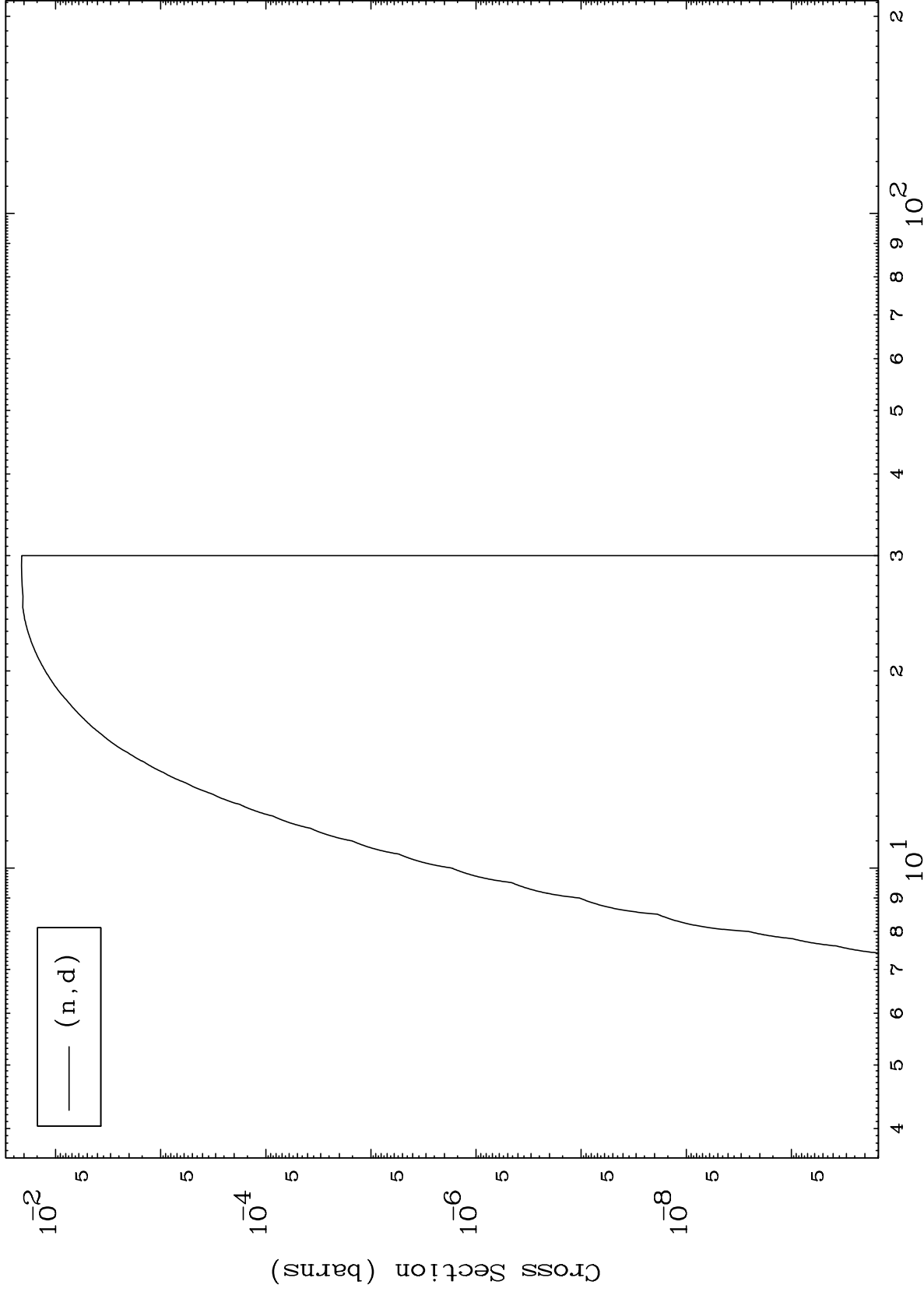
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-148



11

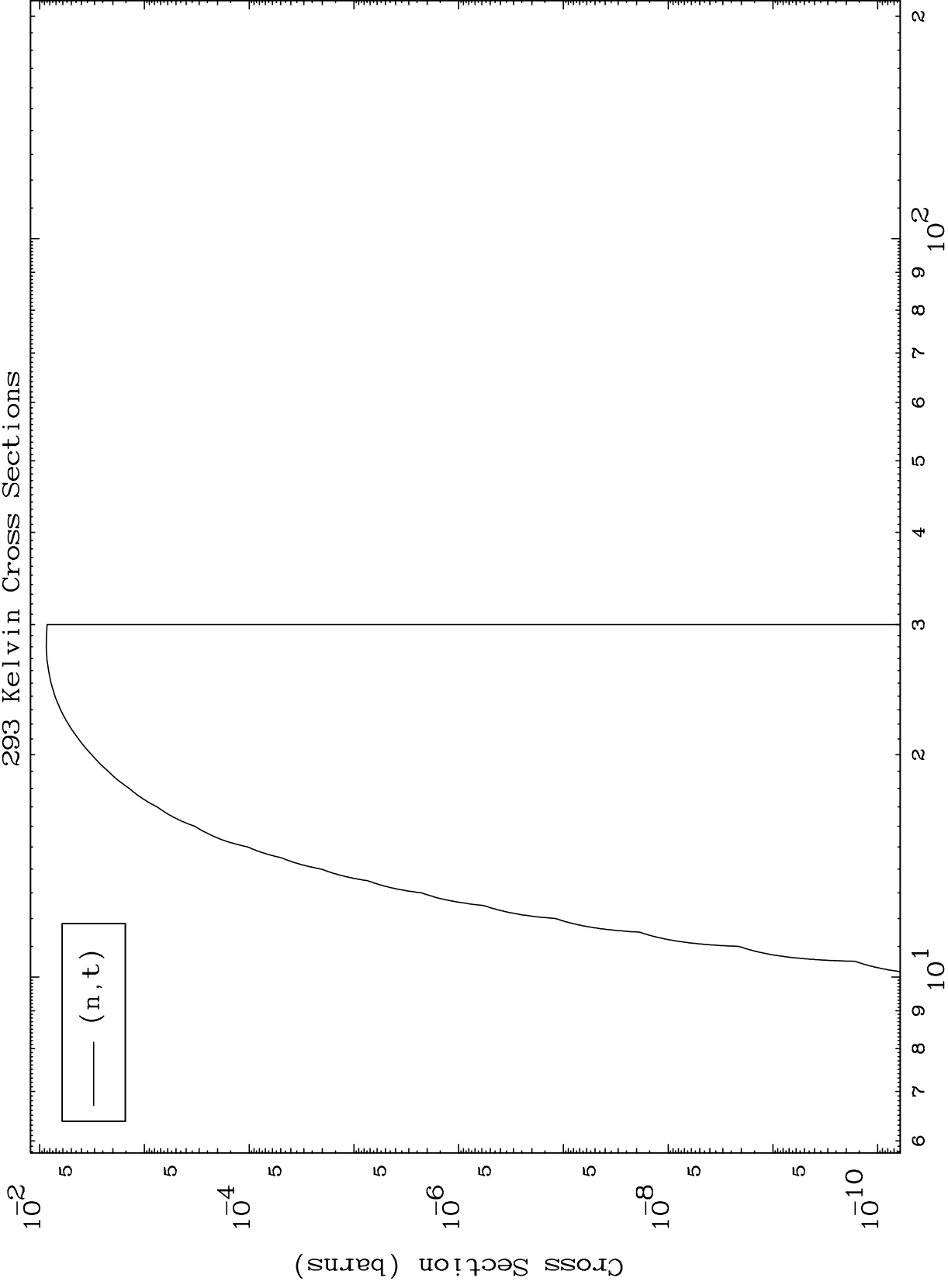
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-148



12

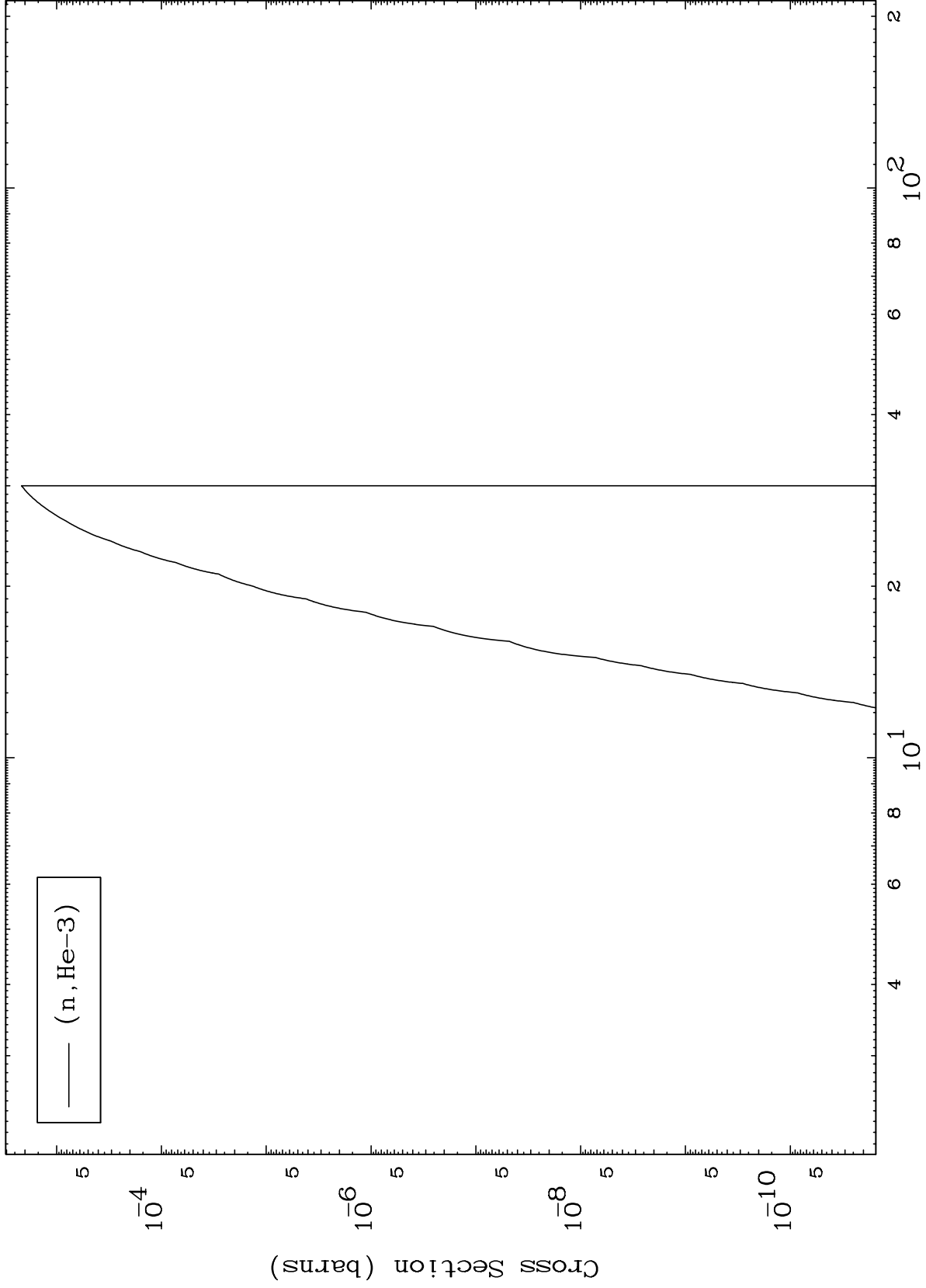
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,He3) Levels
293 Kelvin Cross Sections

64-Gd-148



13

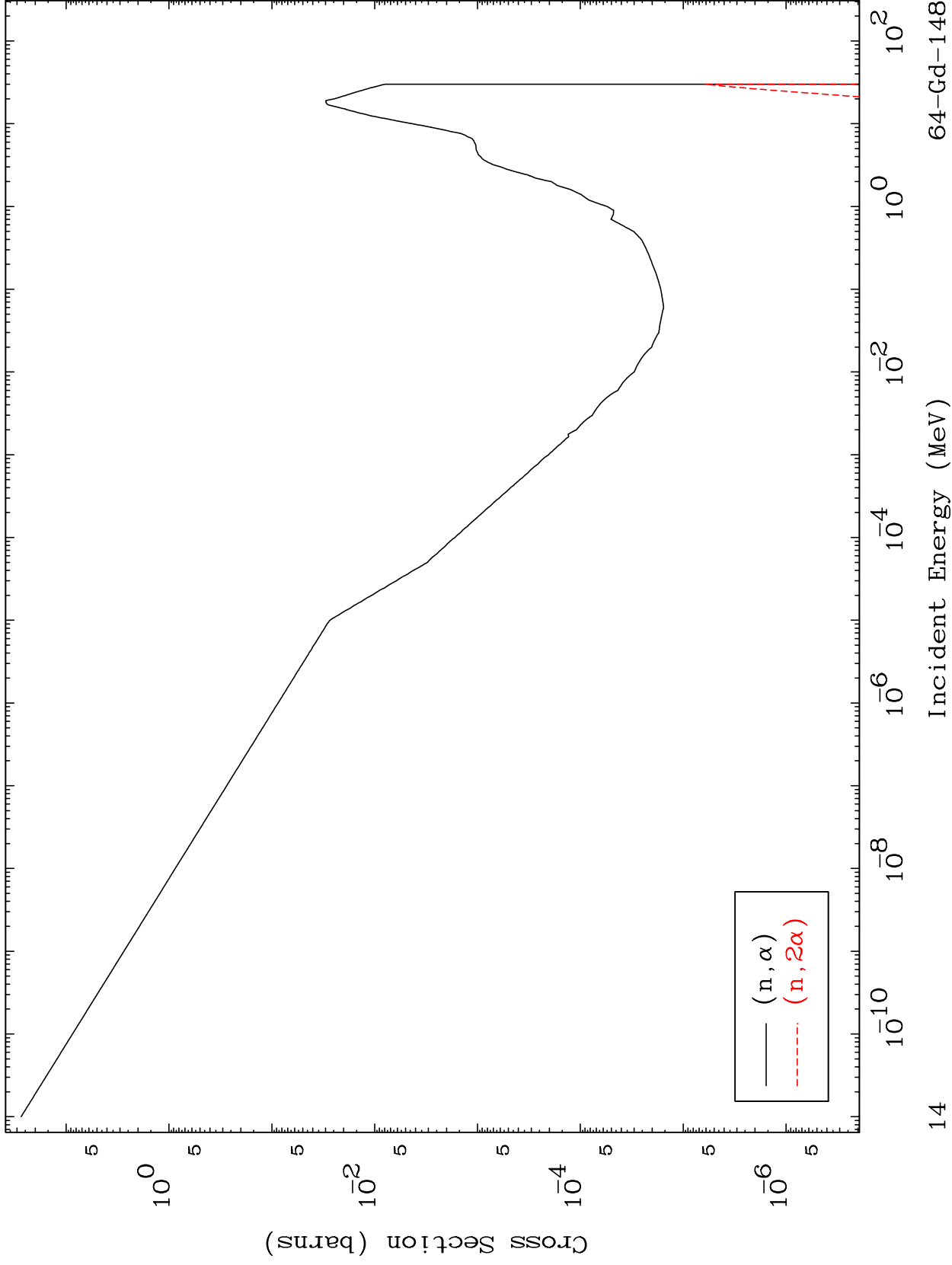
Incident Energy (MeV)

64-Gd-148

MAT 6413

(n,α) Levels
293 Kelvin Cross Sections

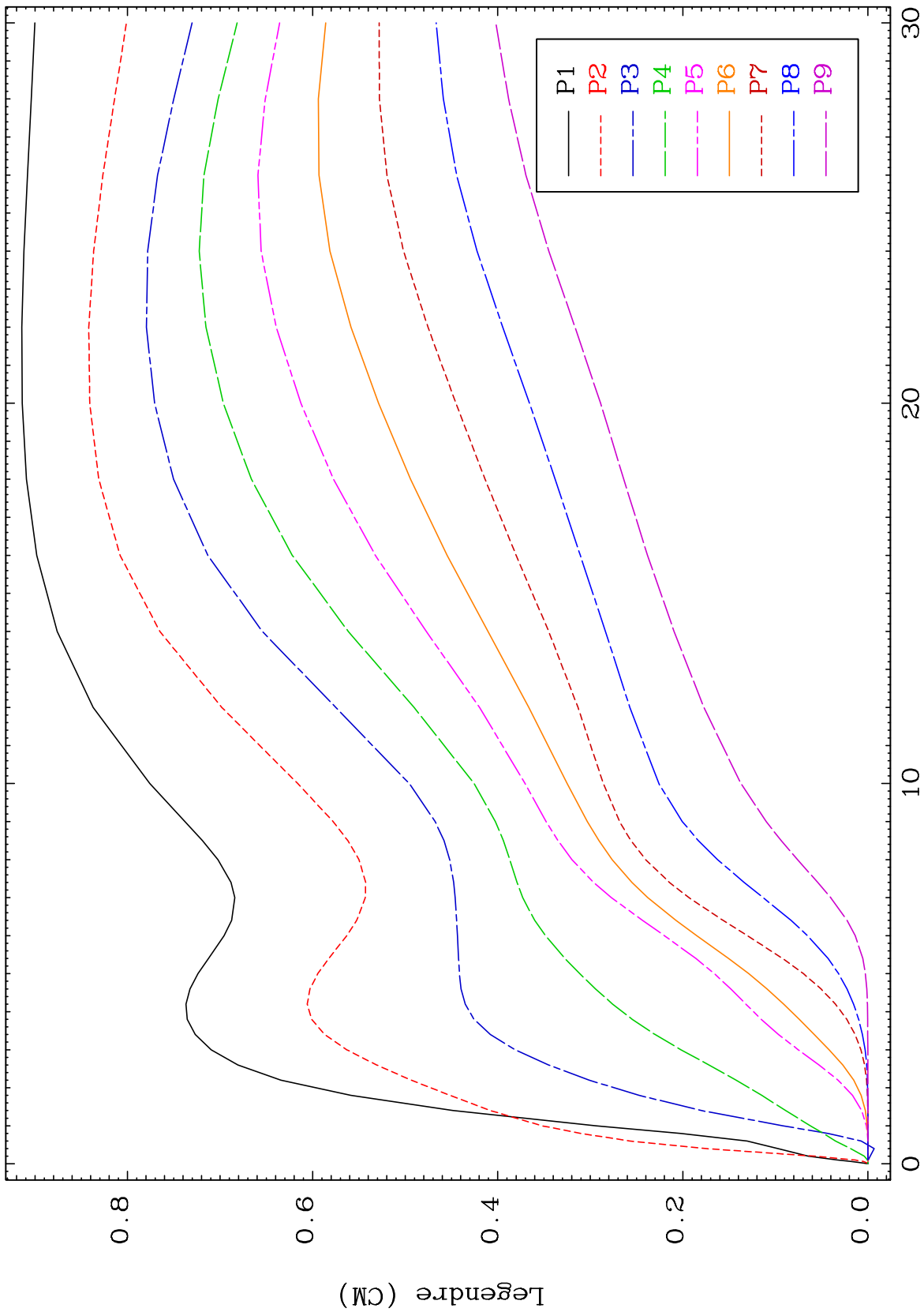
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MAT 6413

64-Gd-148

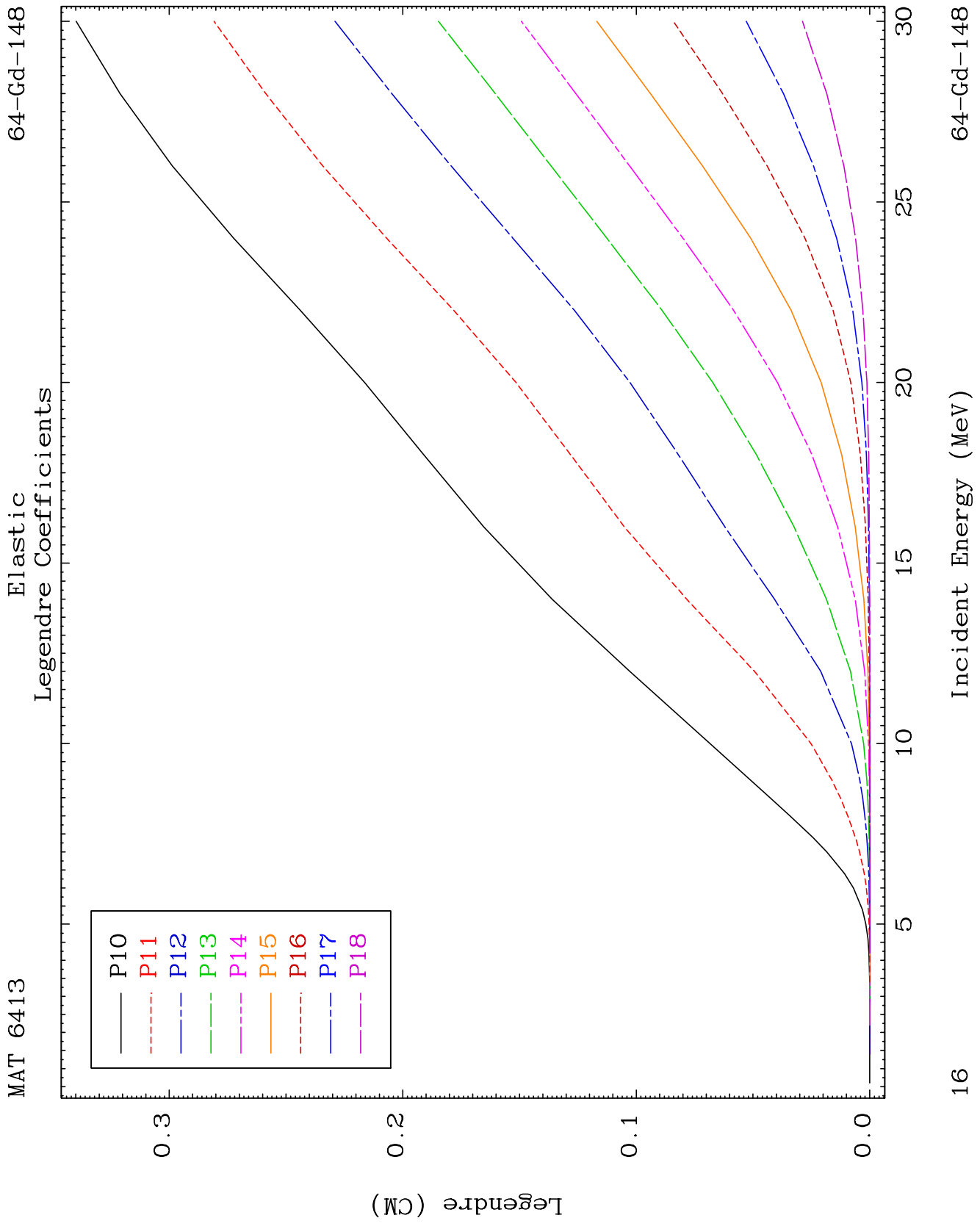
Elastic Legendre Coefficients



64-Gd-148

Incident Energy (MeV)

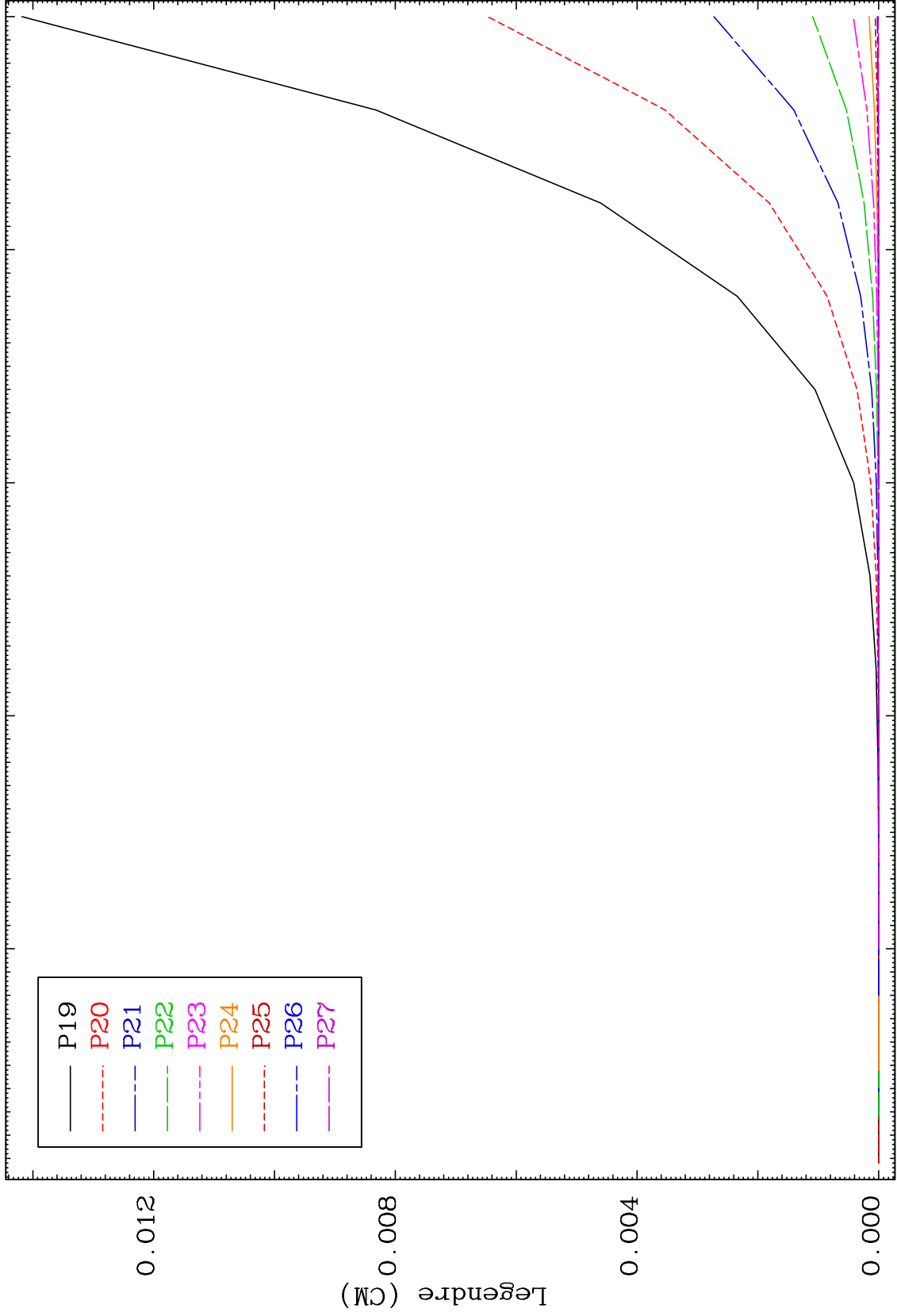
15



MAT 6413

Elastic Legendre Coefficients

64-Gd-148



17

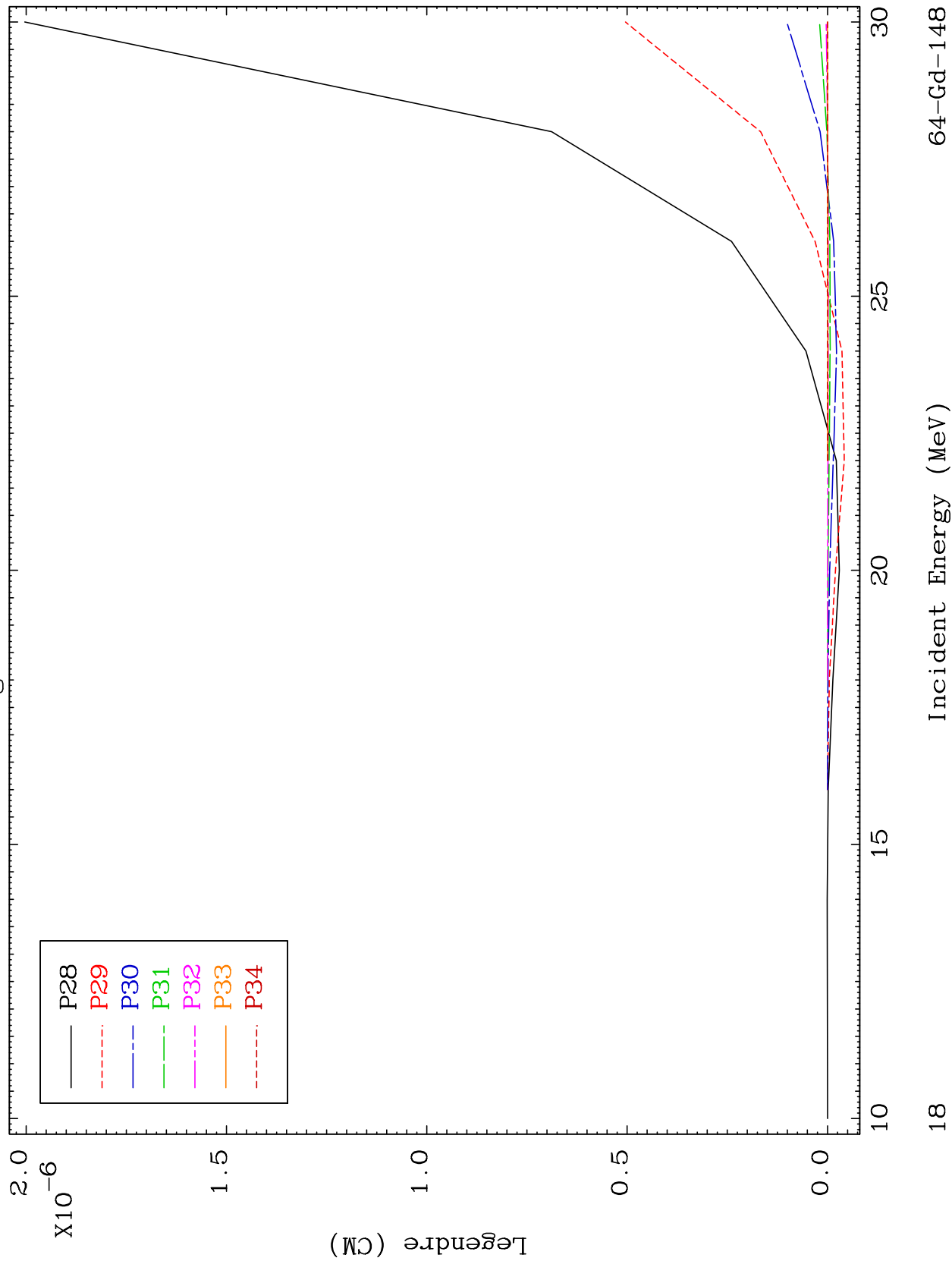
Incident Energy (MeV)

64-Gd-148

MAT 6413

Elastic Legendre Coefficients

64-Gd-148



18

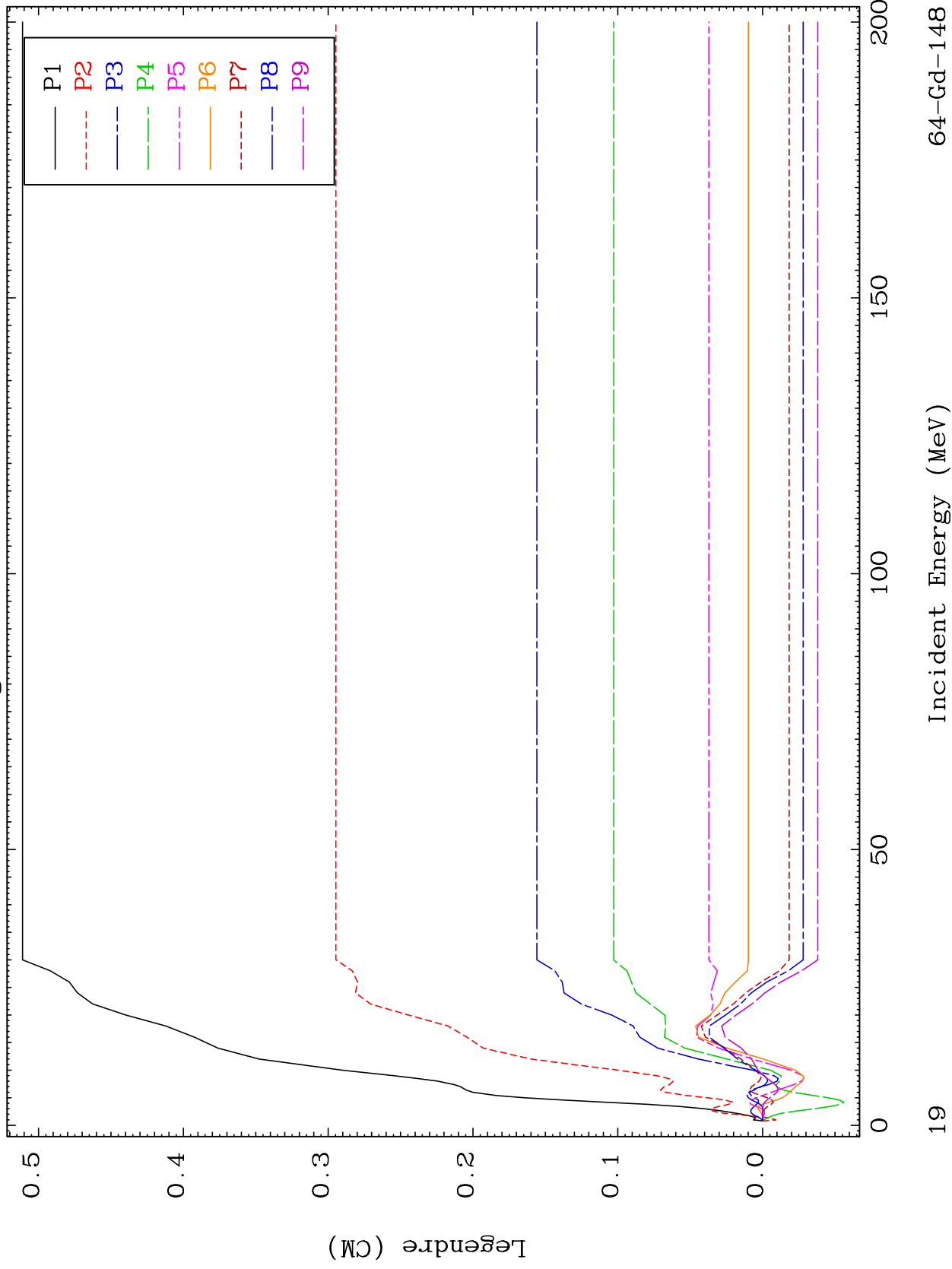
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148

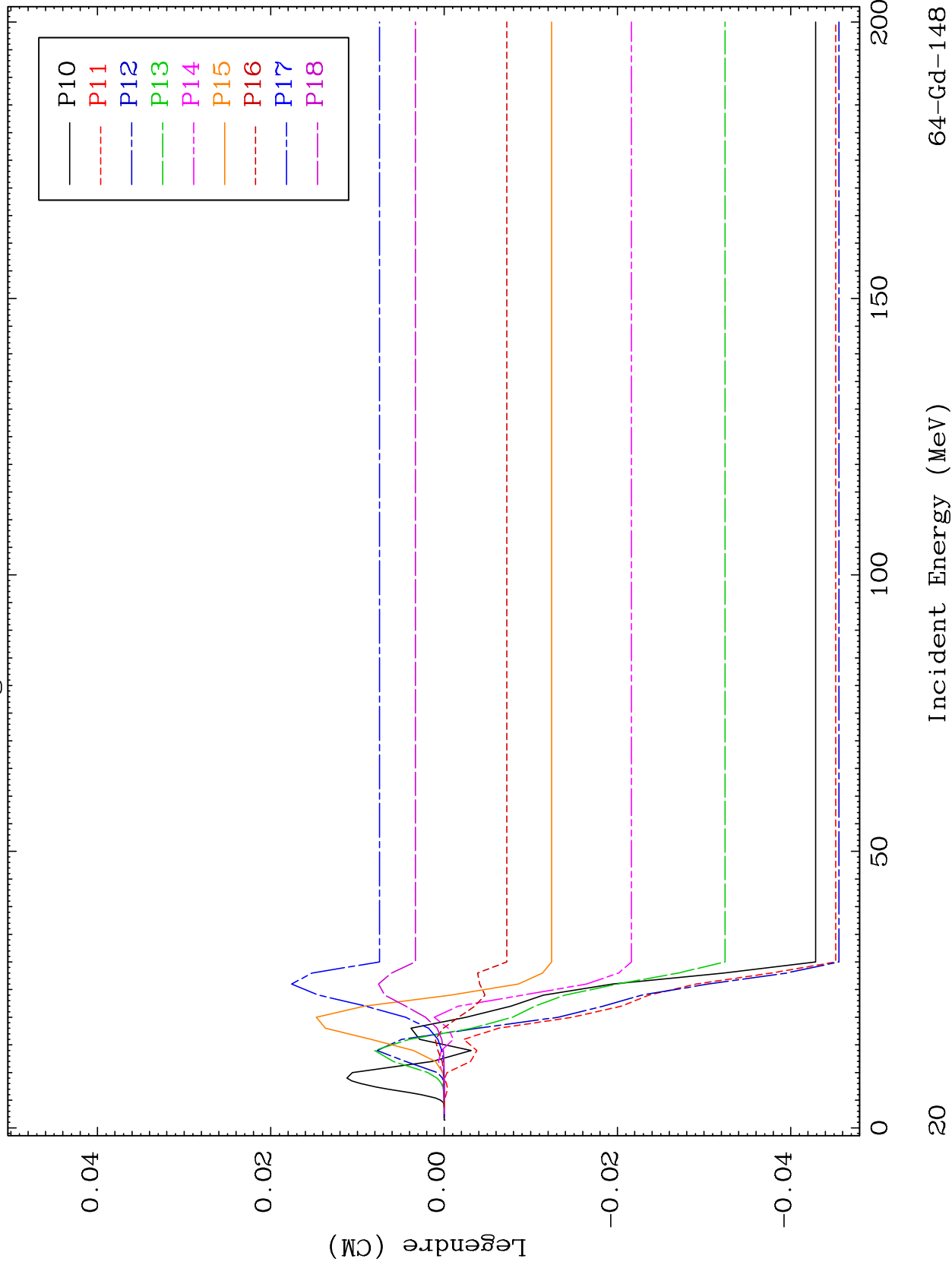


19

MAT 6413

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

64-Gd-148



64-Gd-148

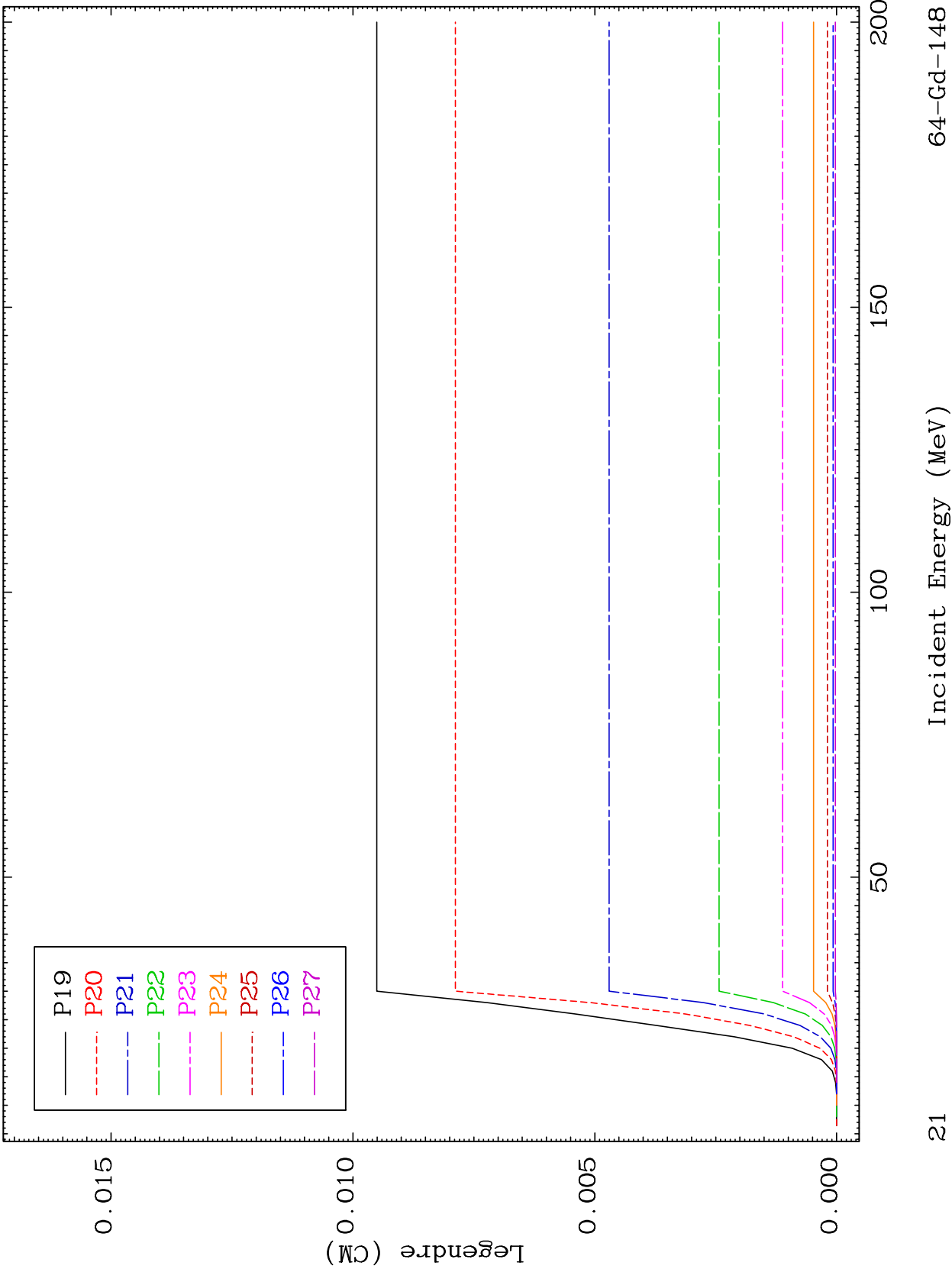
Incident Energy (MeV)

20

MAT 6413

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

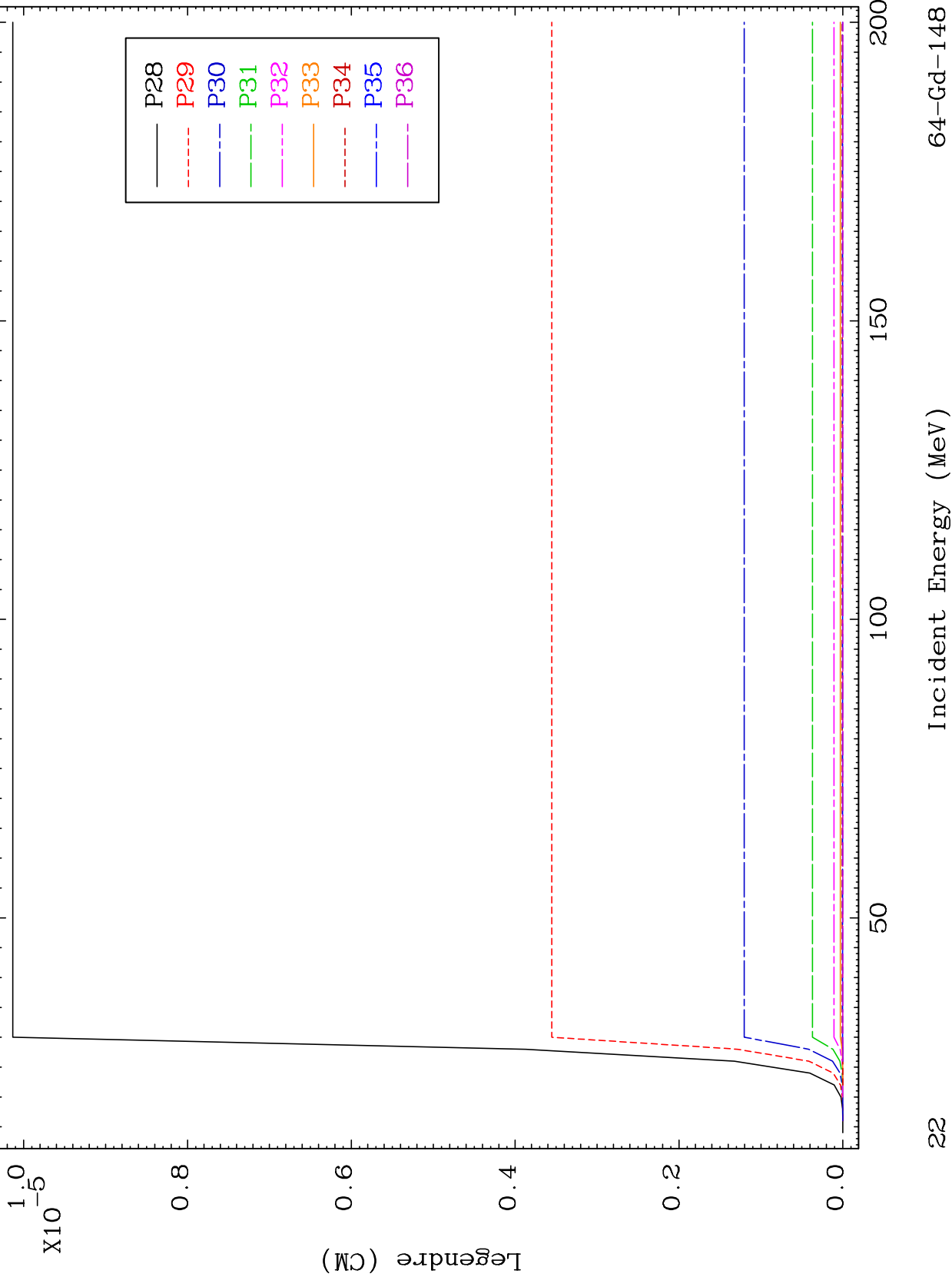
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MAT 6413

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

64-Gd-148



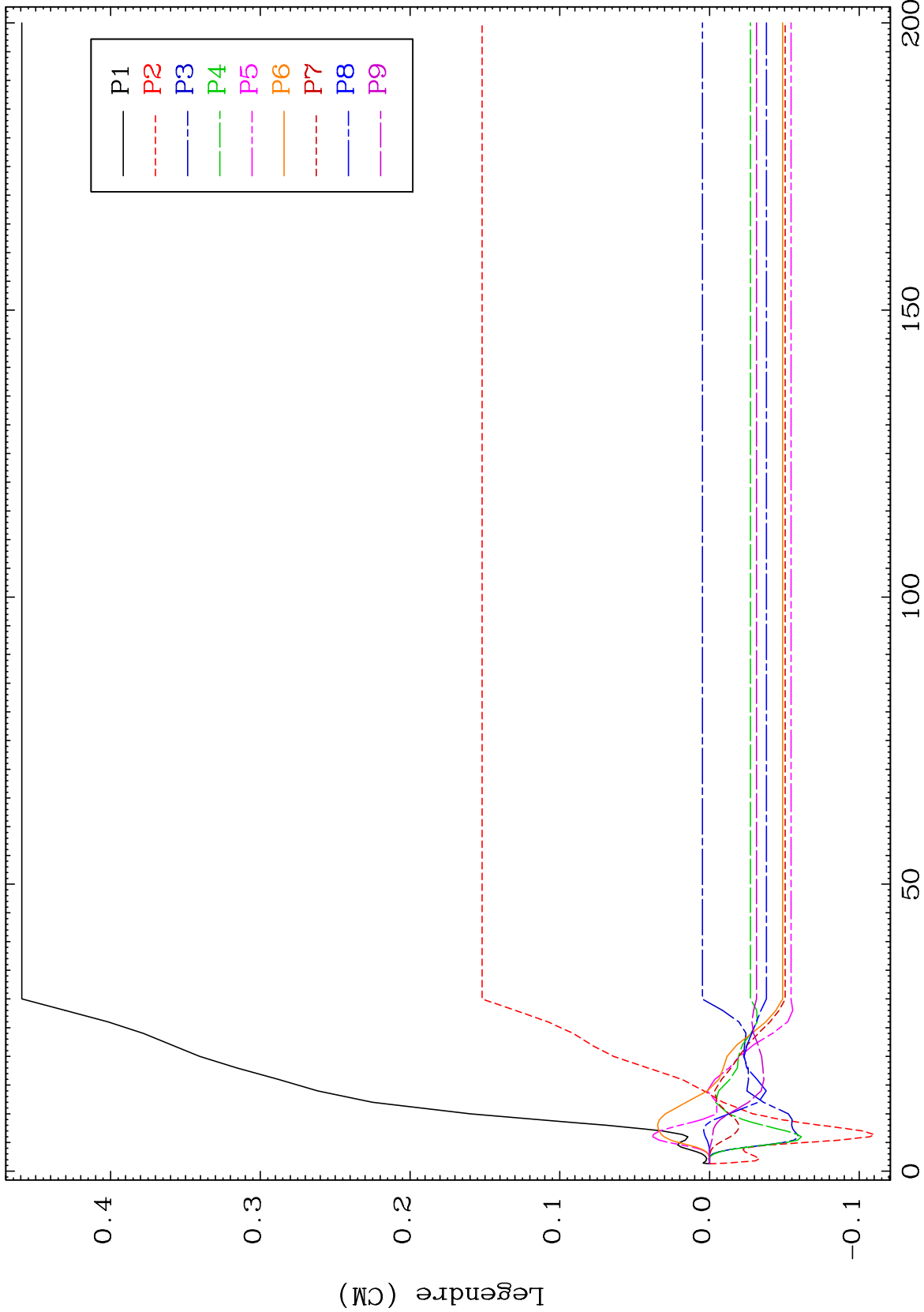
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64-Gd-148

MAT 6413

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

64-Gd-148



23

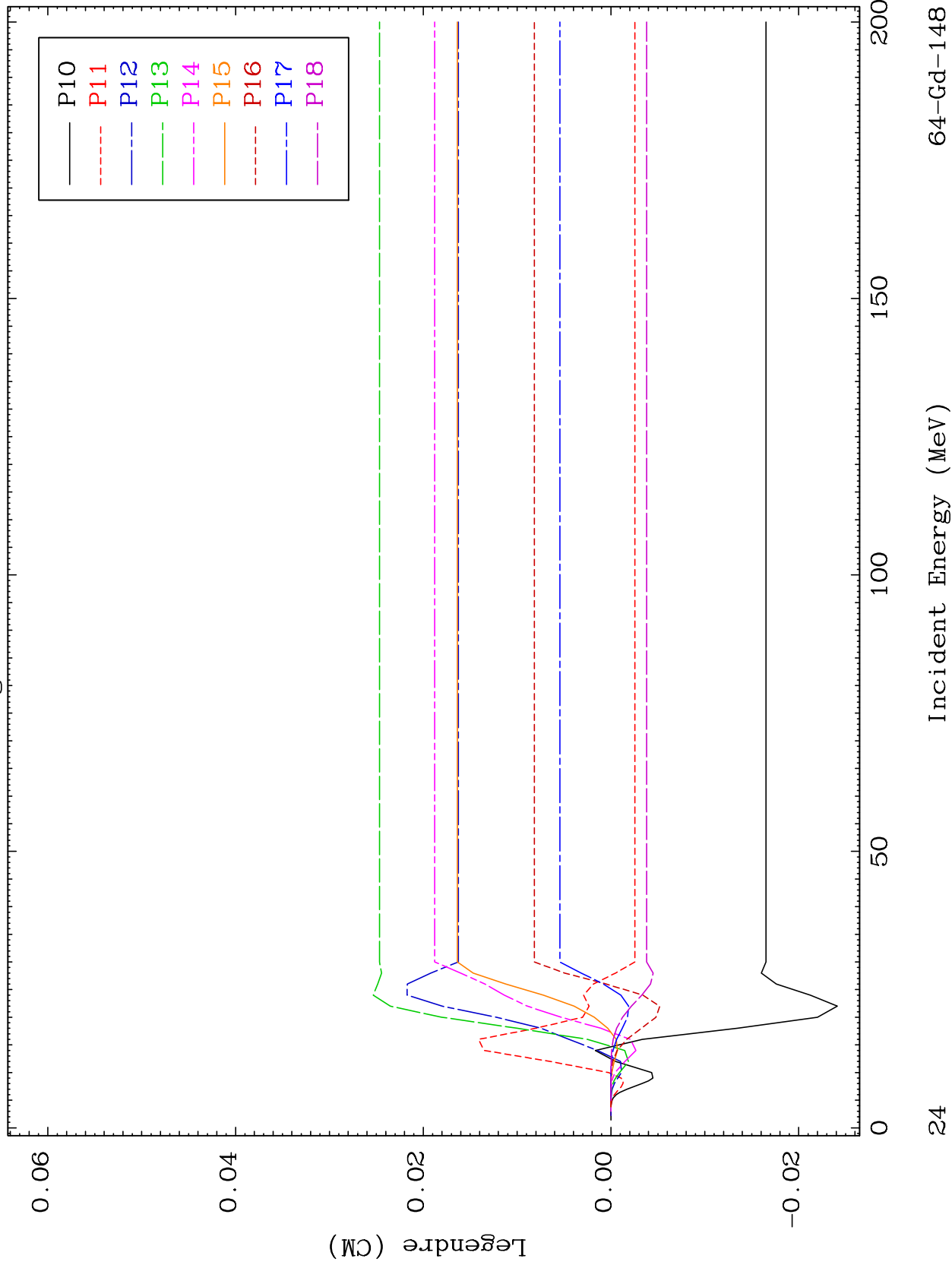
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



64-Gd-148

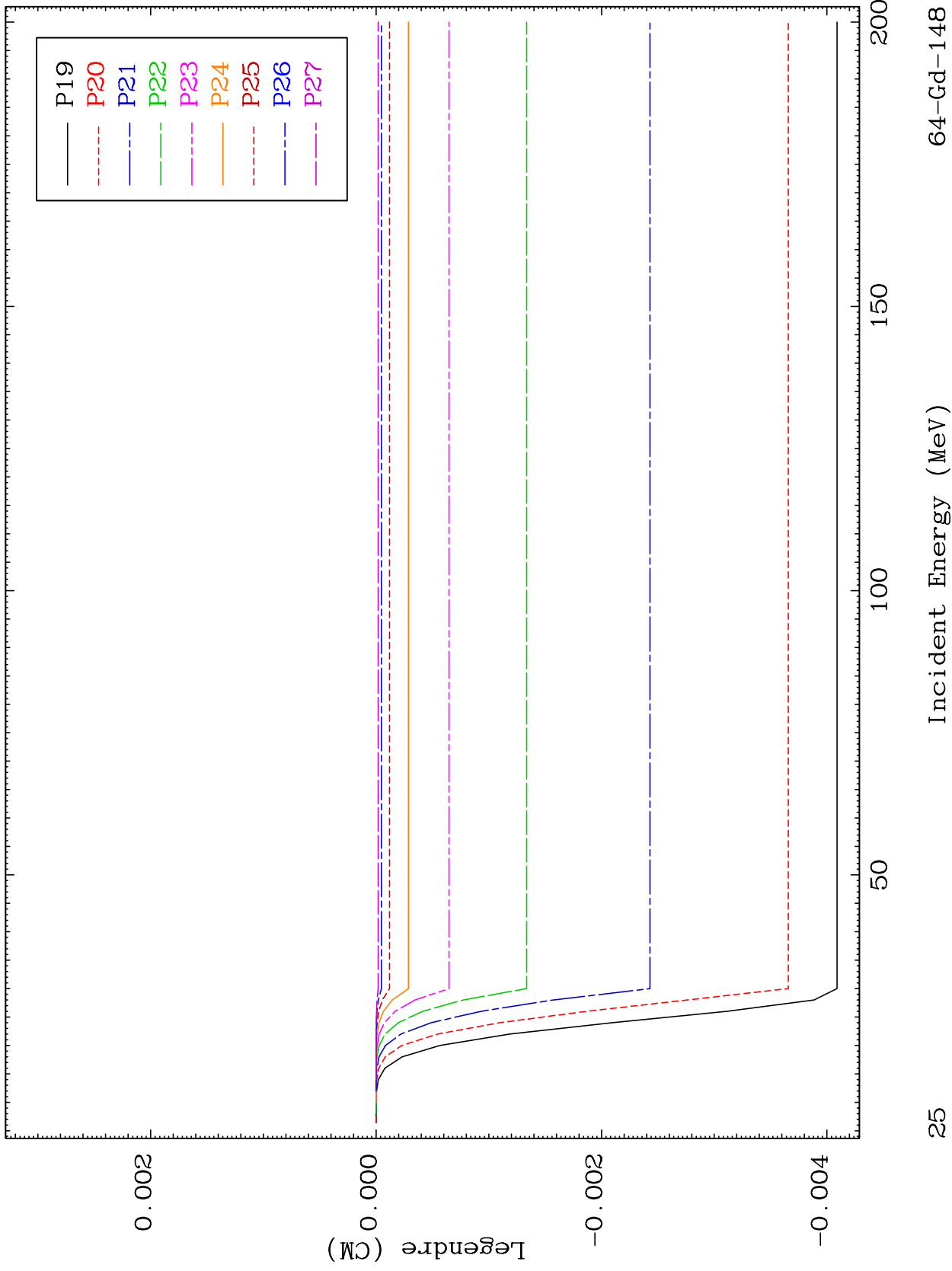
Incident Energy (MeV)

24

MAT 6413

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

64-Gd-148



64-Gd-148

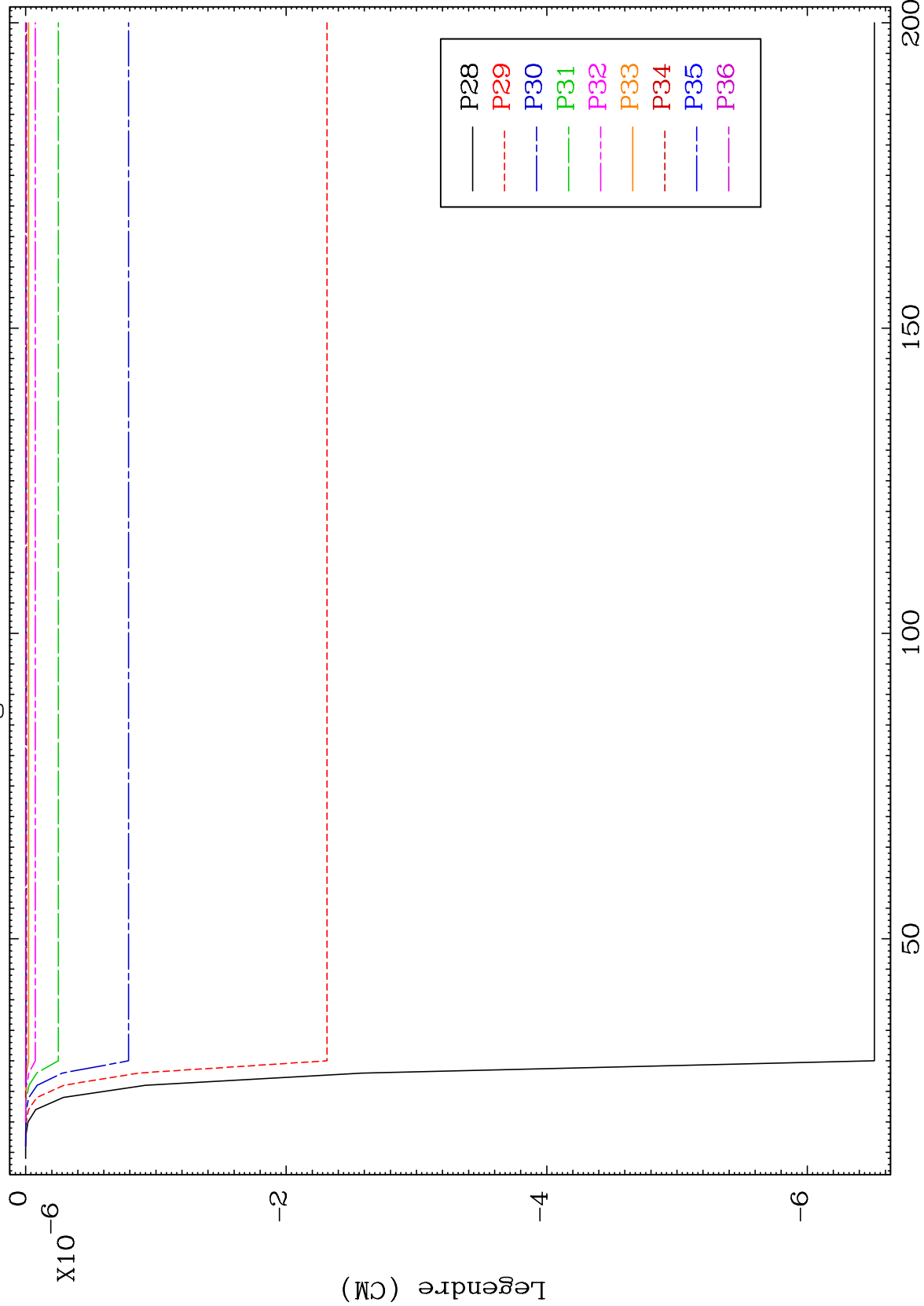
Incident Energy (MeV)

25

MAT 6413

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

64-Gd-148



26

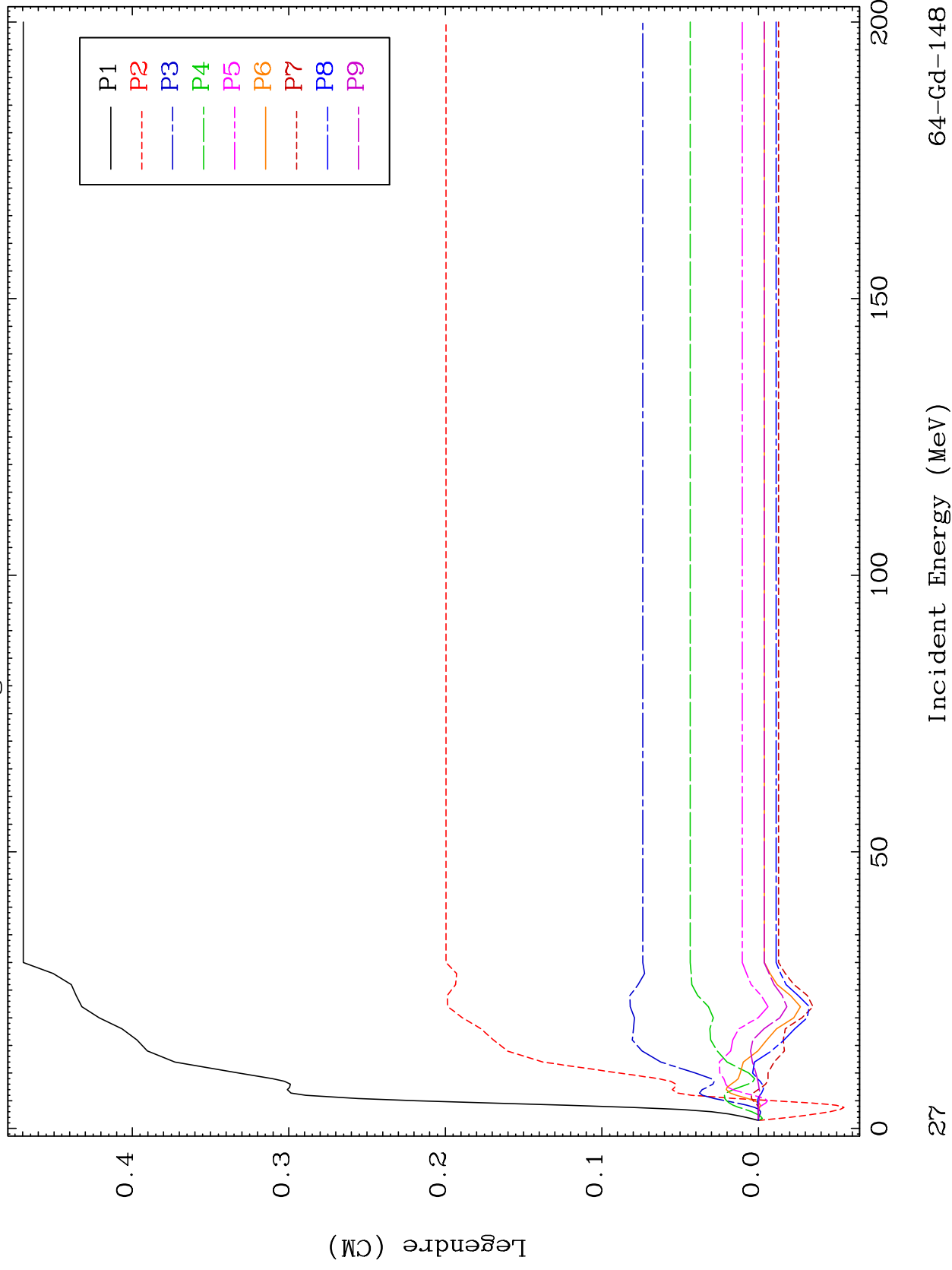
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



64-Gd-148

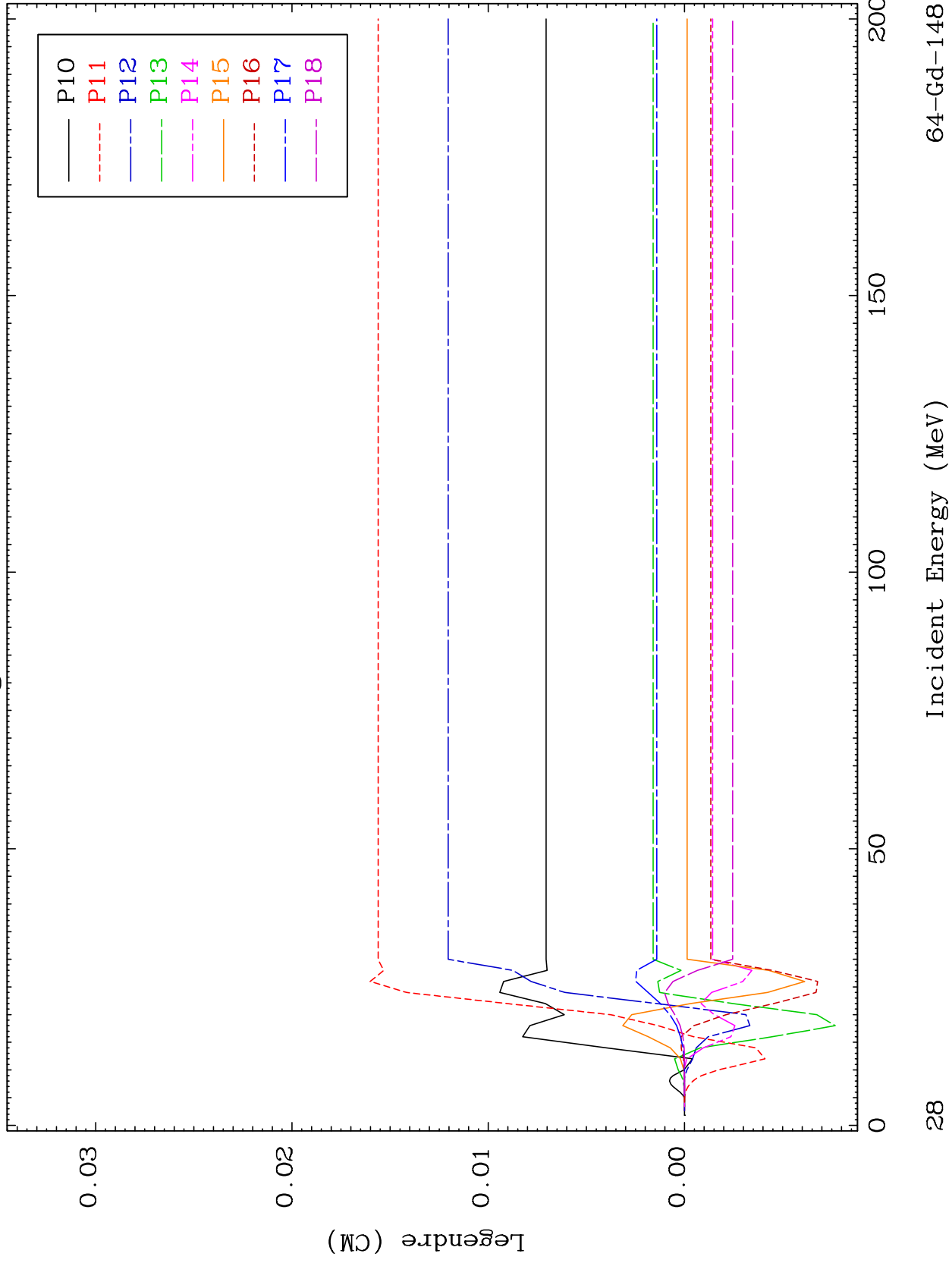
Incident Energy (MeV)

27

MAT 6413

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

64-Gd-148



64-Gd-148

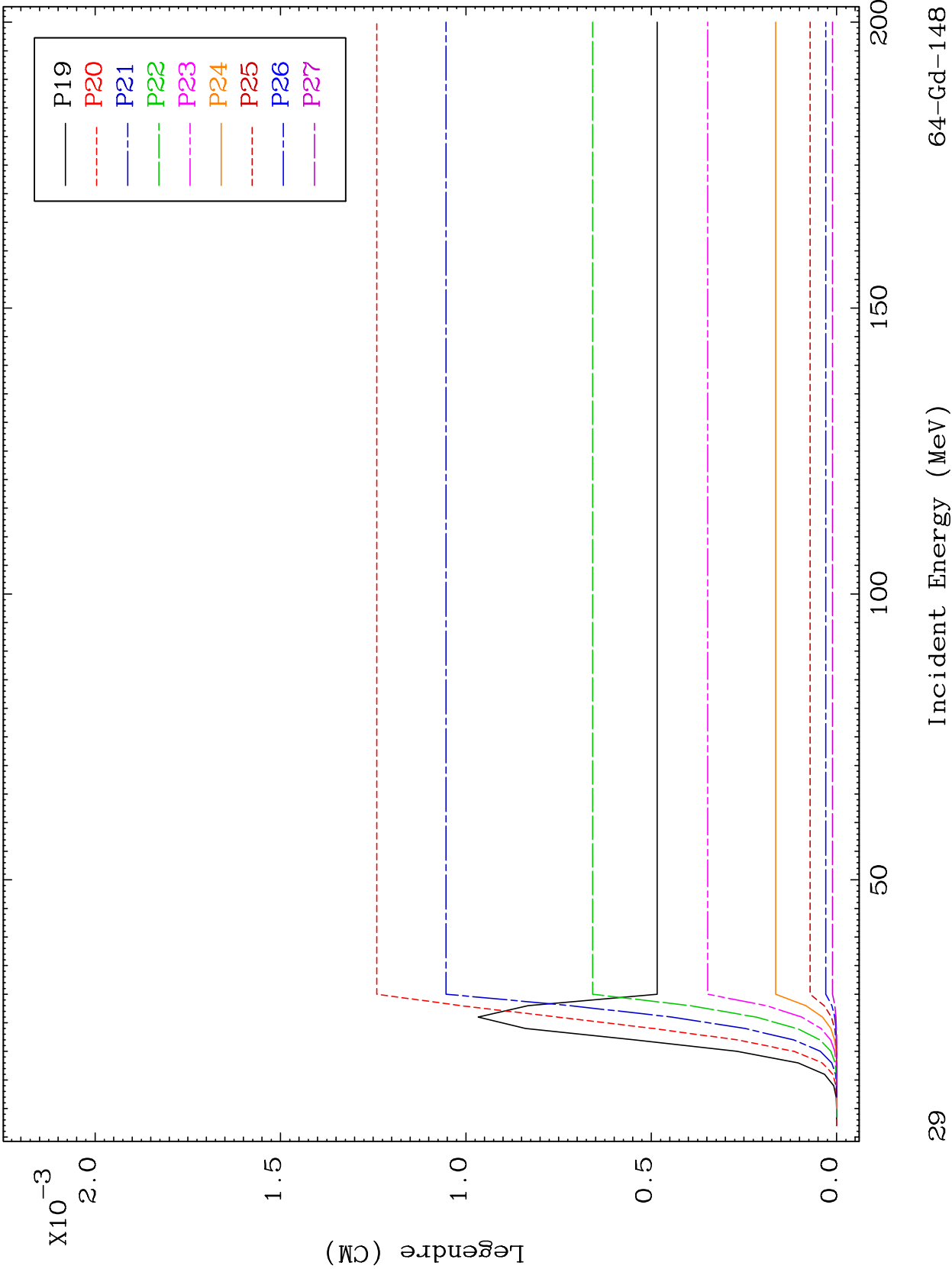
Incident Energy (MeV)

28

MAT 6413

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

64-Gd-148



29

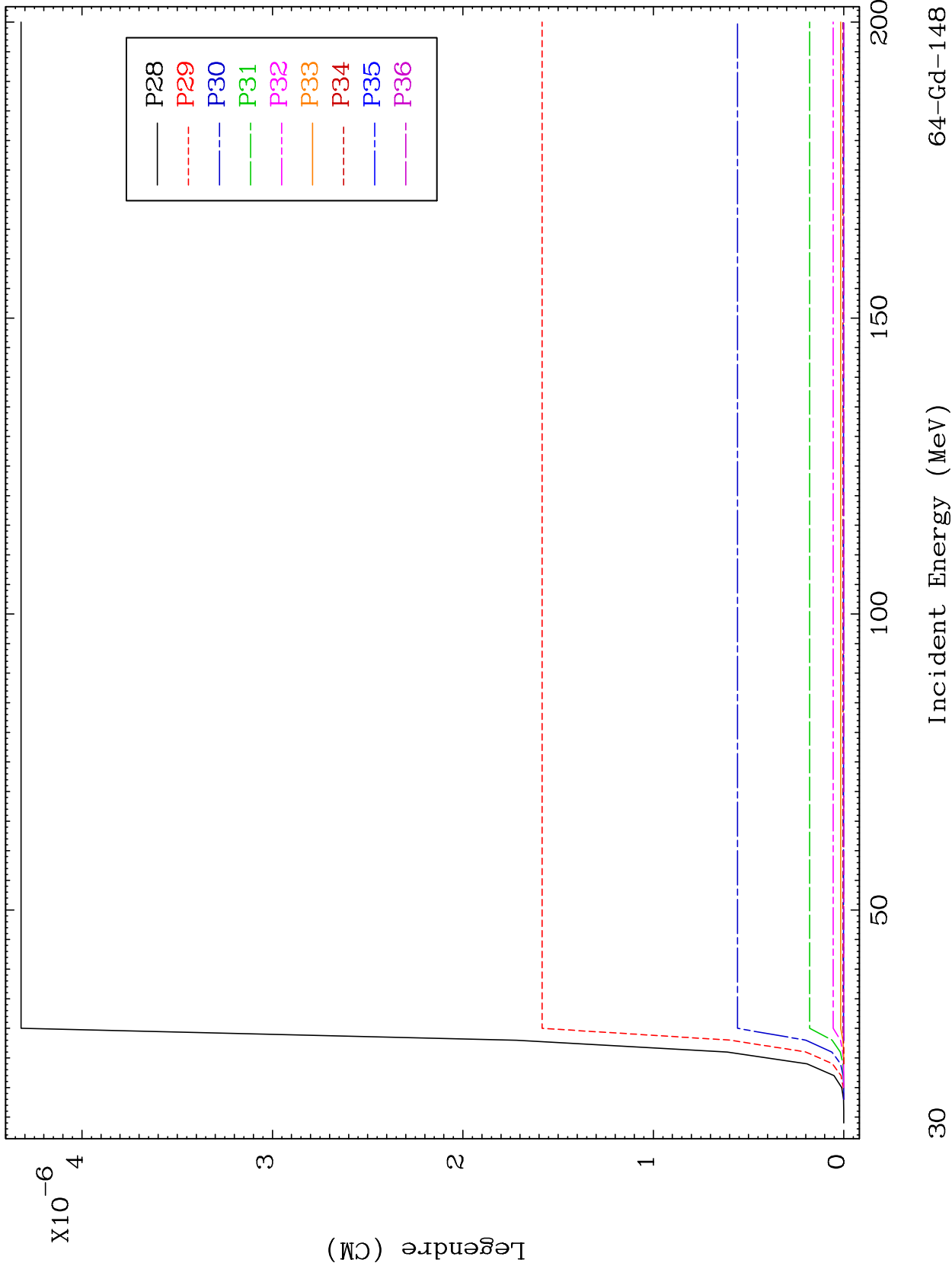
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

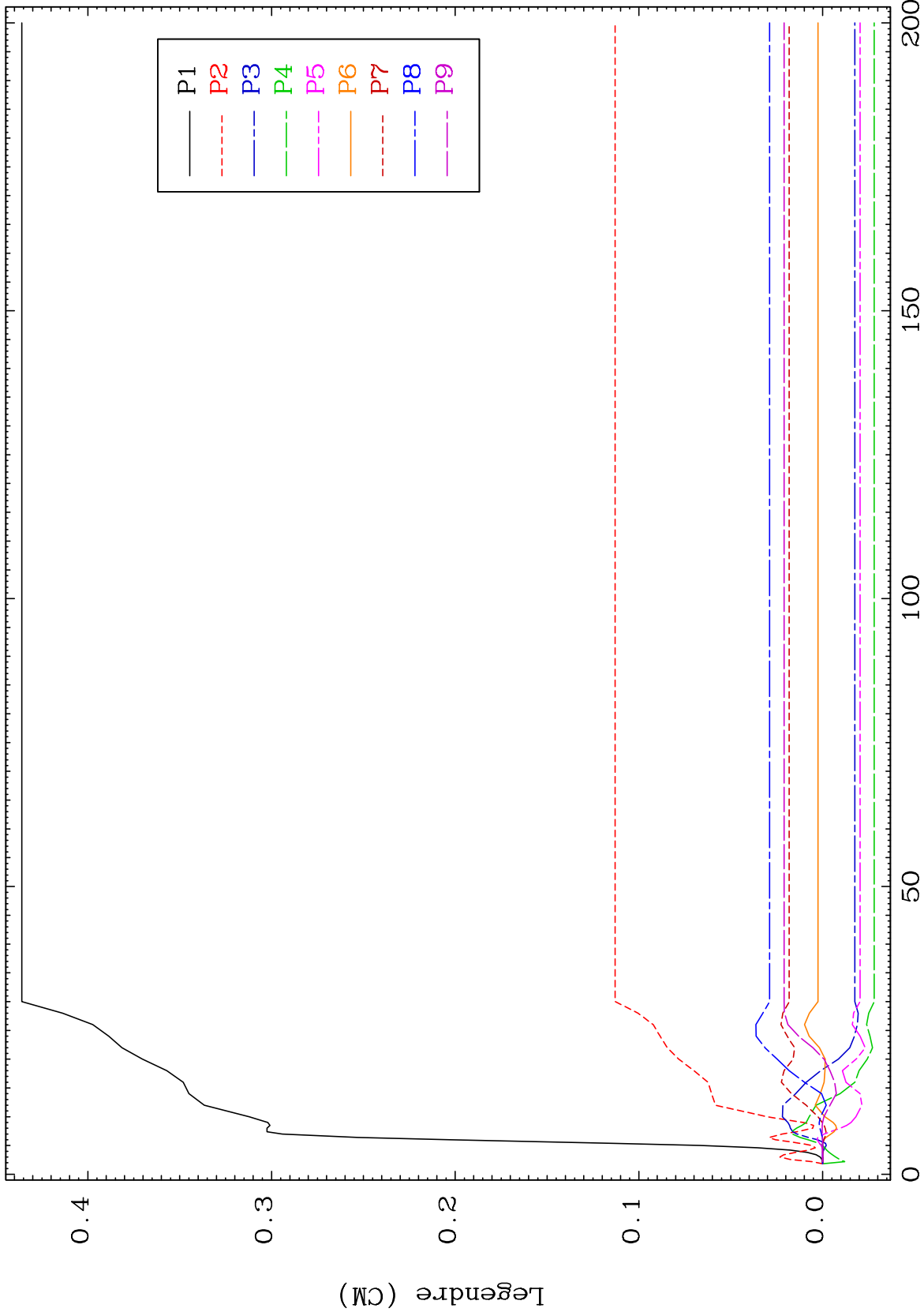
64-Gd-148



MAT 6413

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

64-Gd-148



31

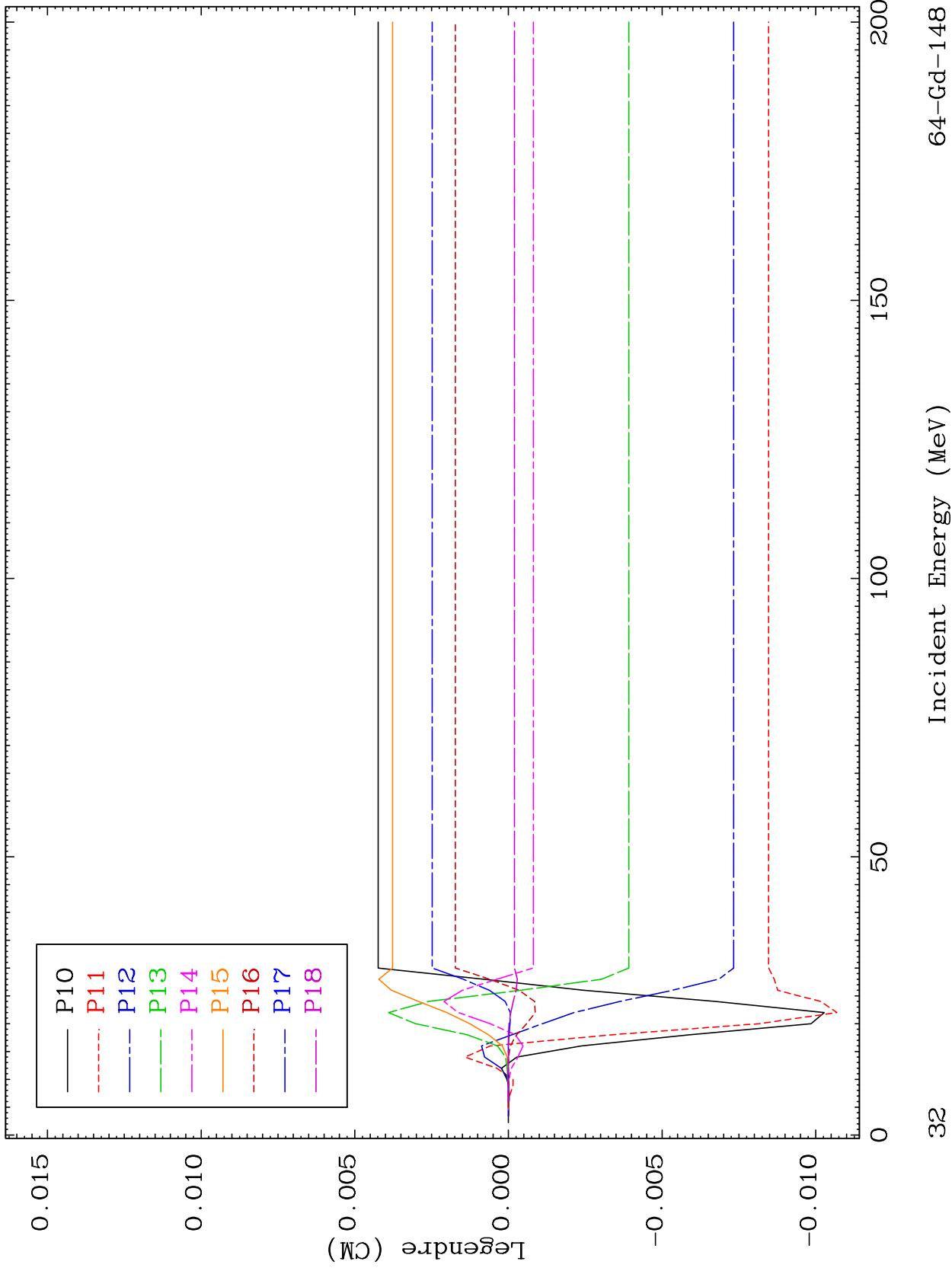
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



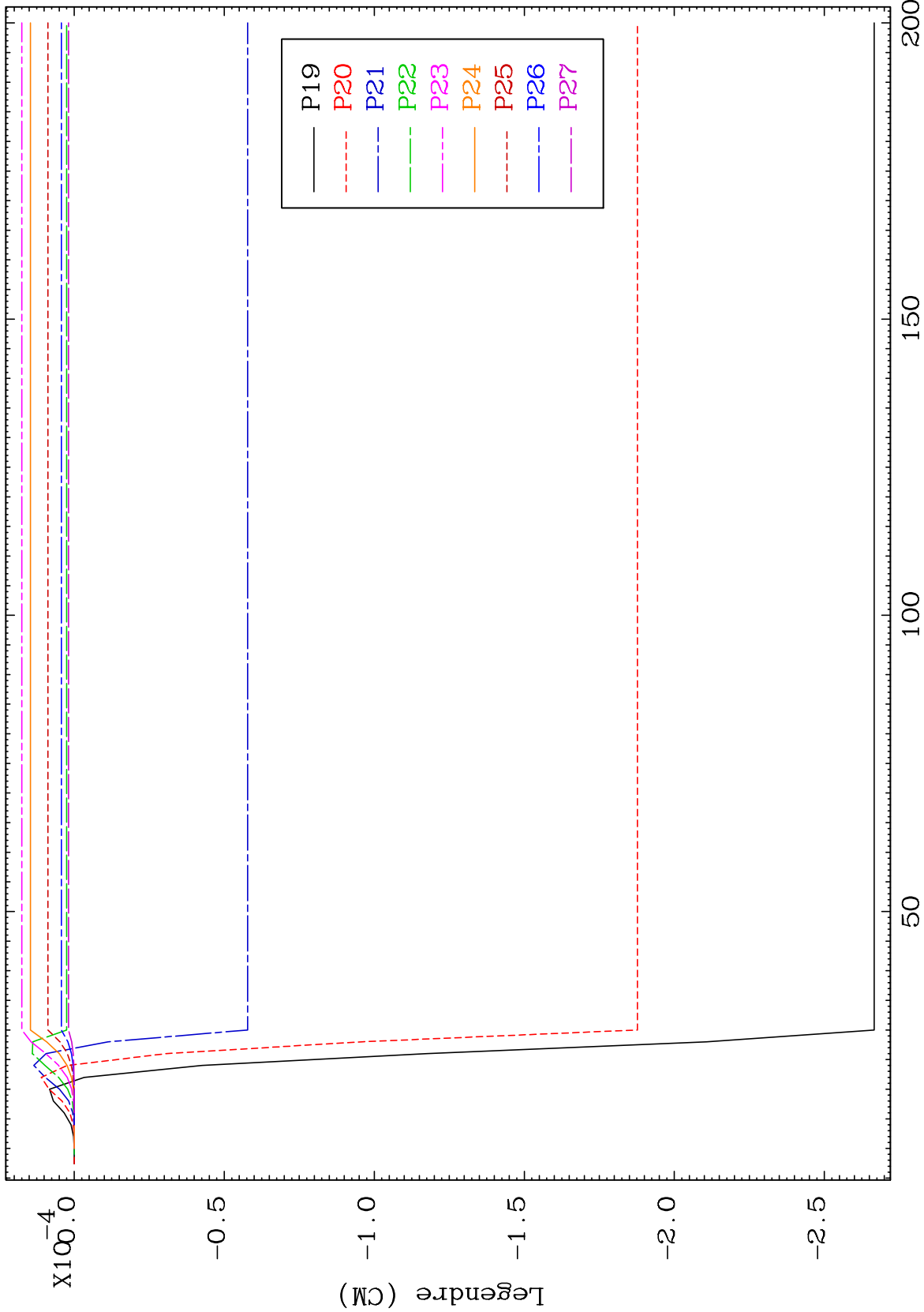
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64-Gd-148

MAT 6413

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

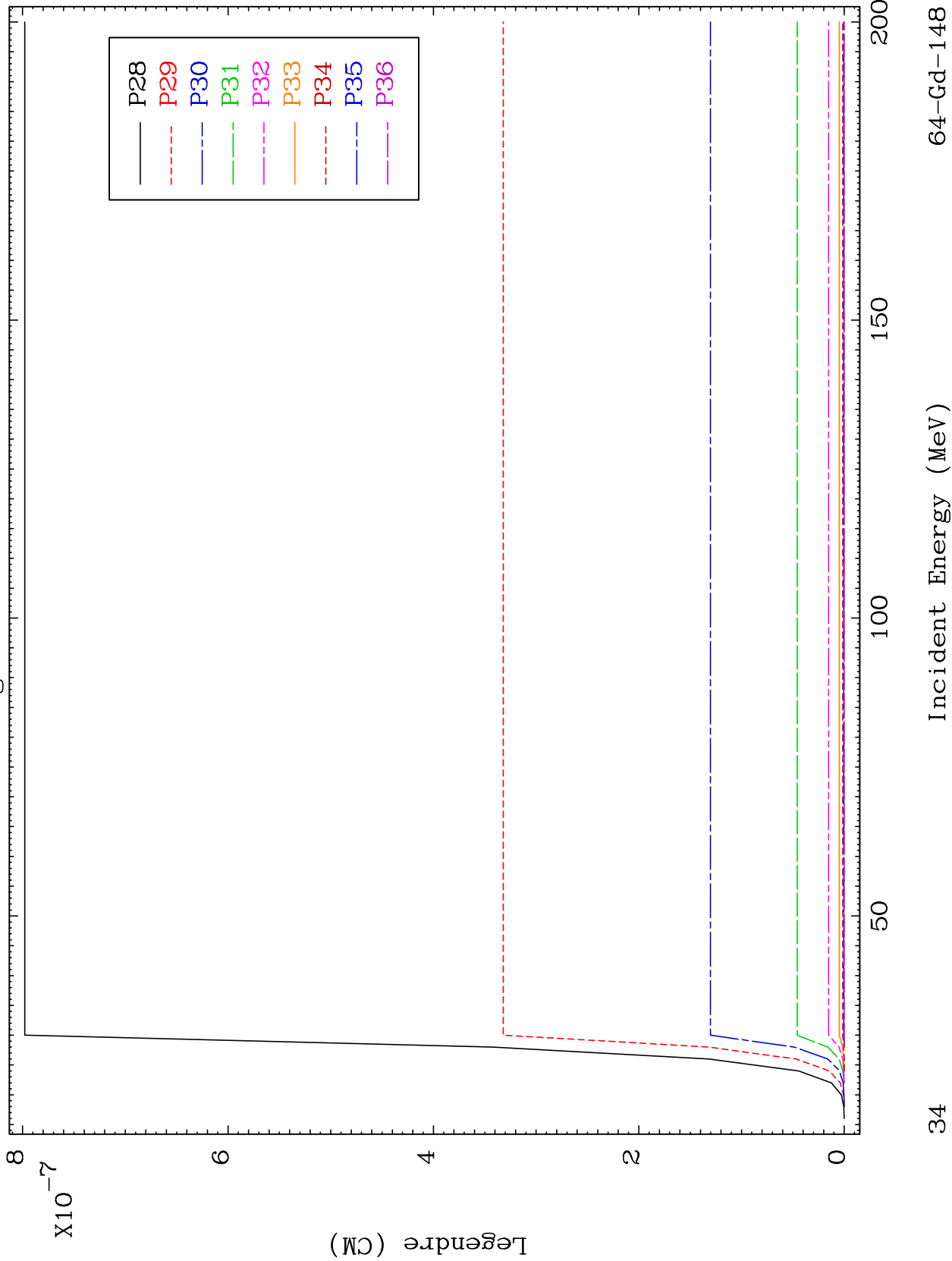
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MAT 6413

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

64-Gd-148



34

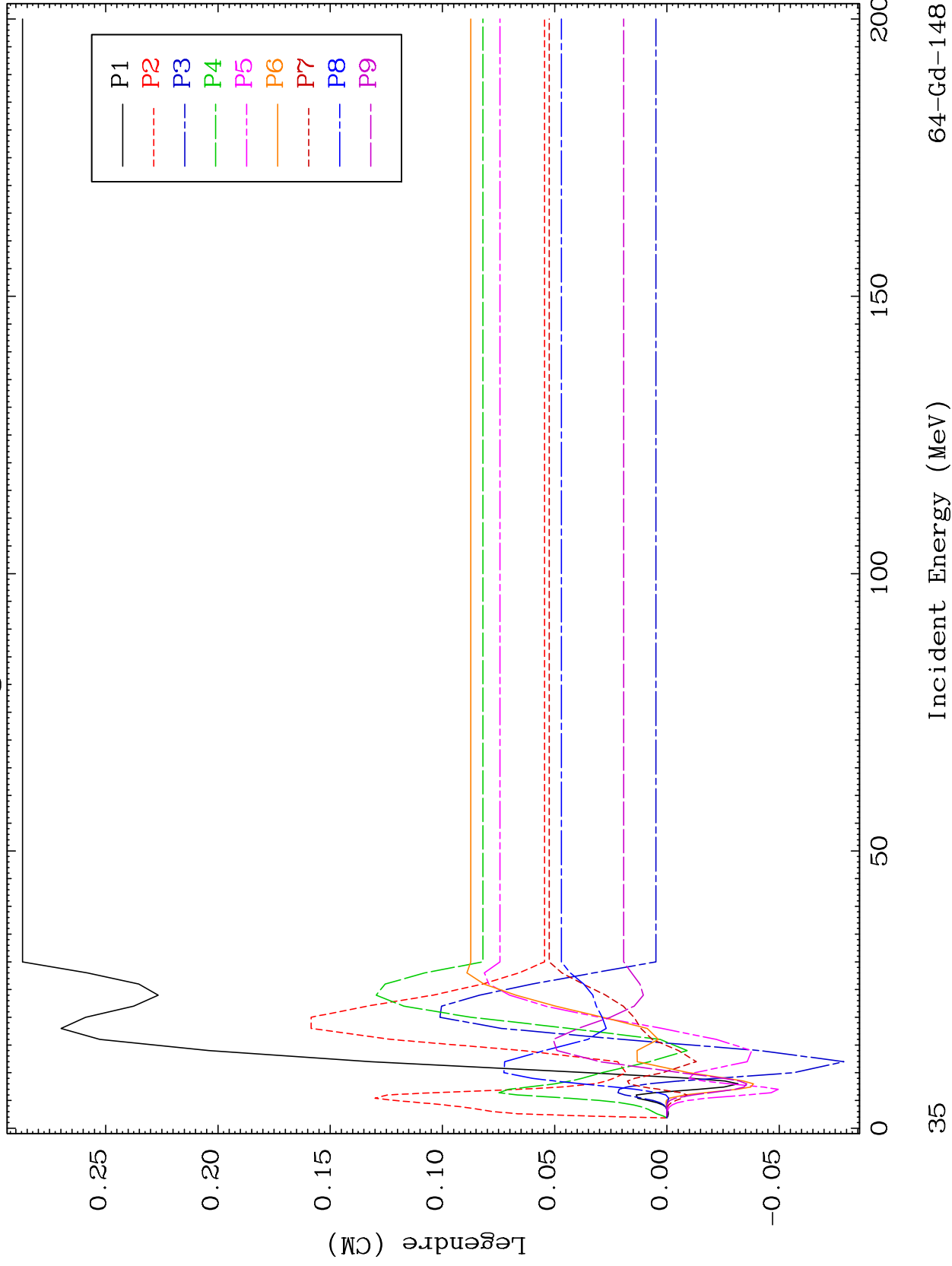
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



64-Gd-148

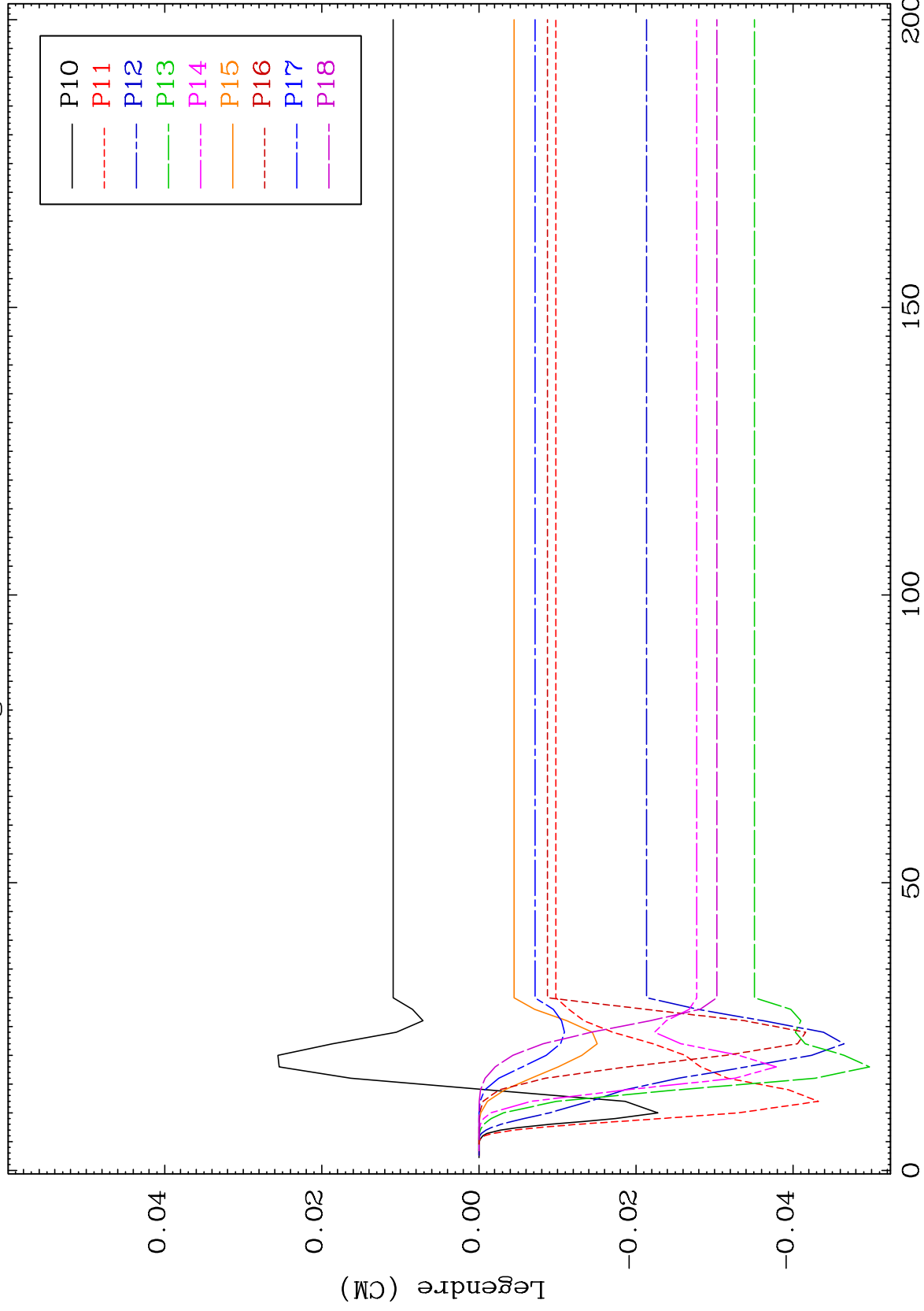
Incident Energy (MeV)

35

MAT 6413

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

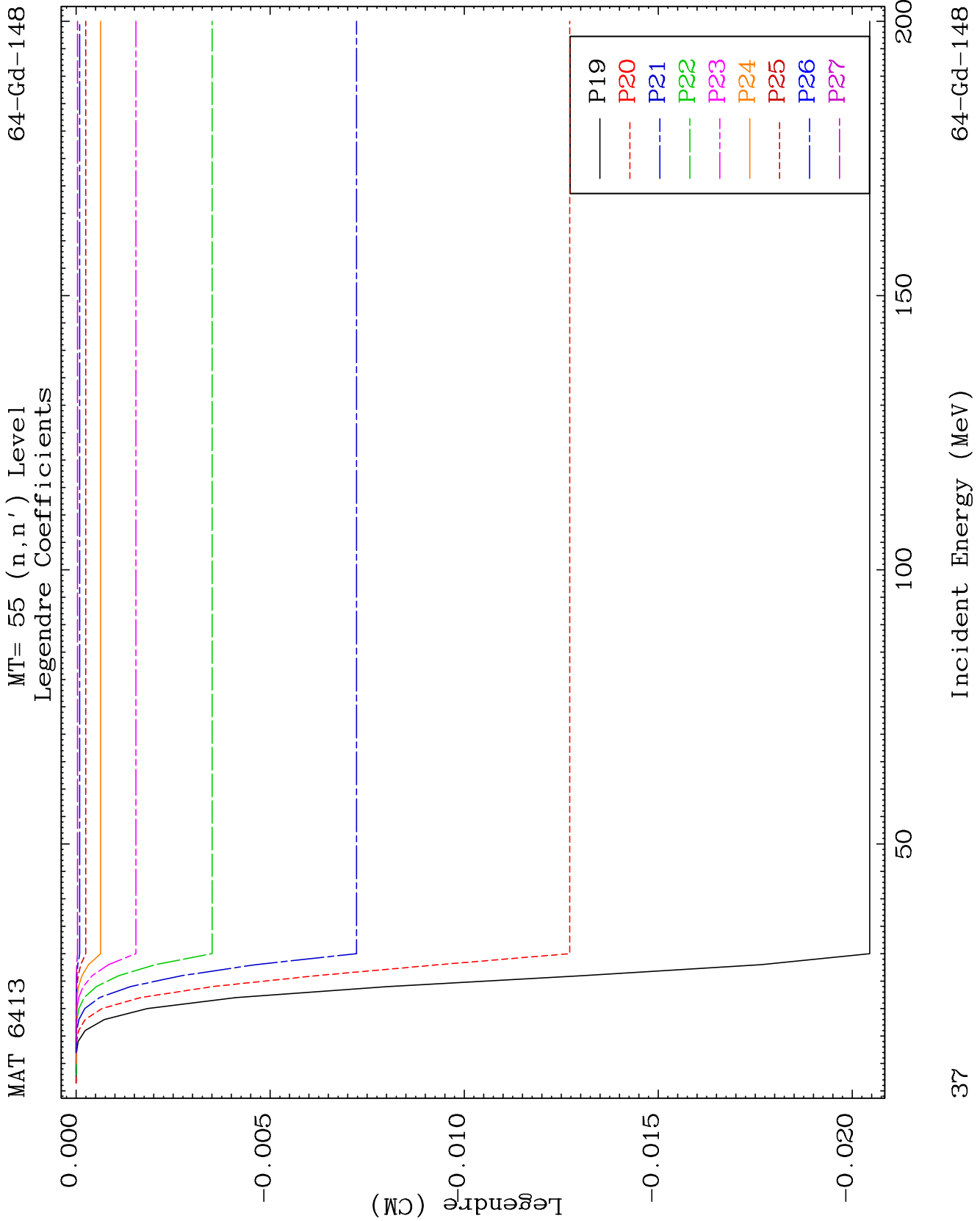
64-Gd-148



36

Incident Energy (MeV)

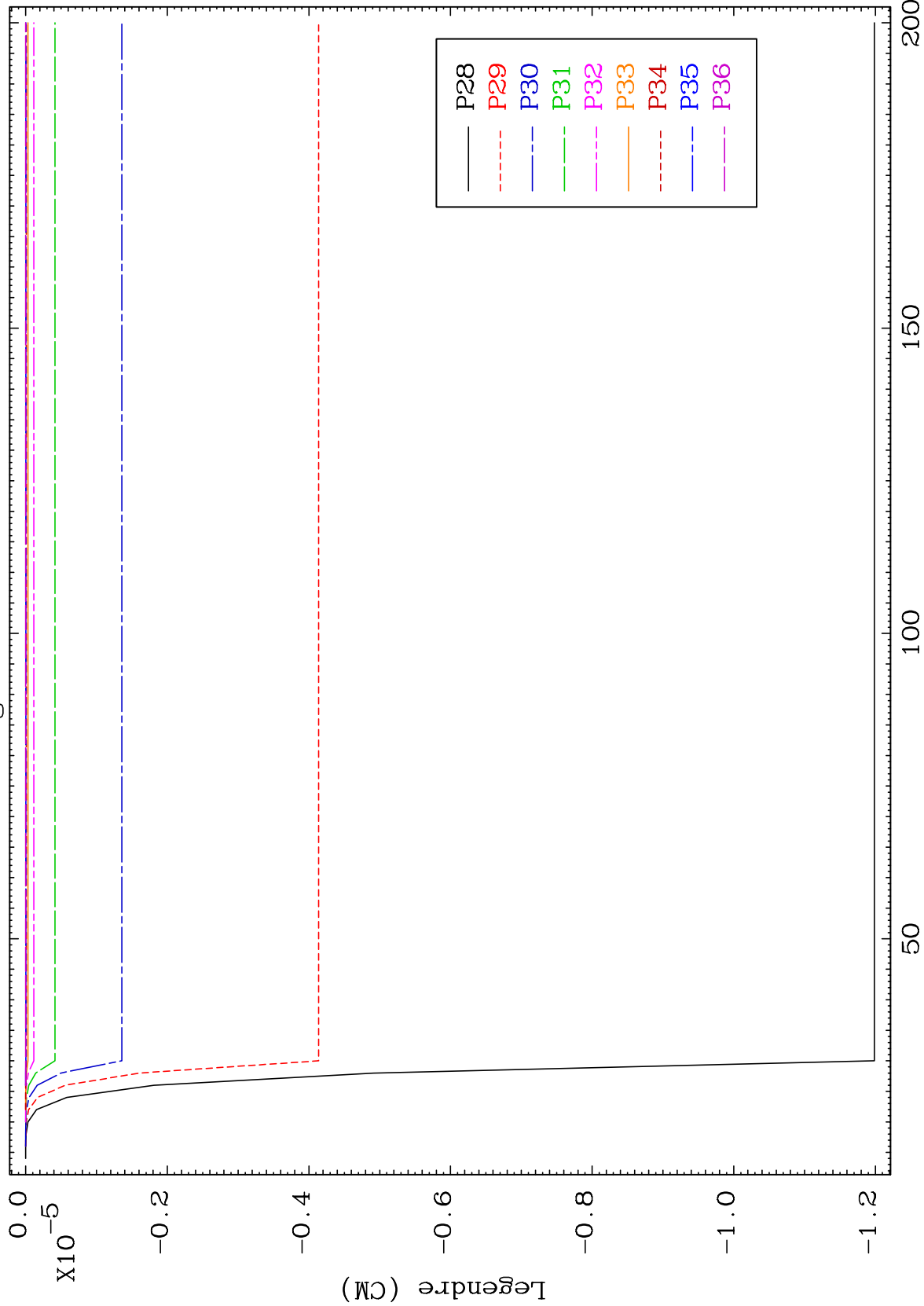
64-Gd-148



MAT 6413

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

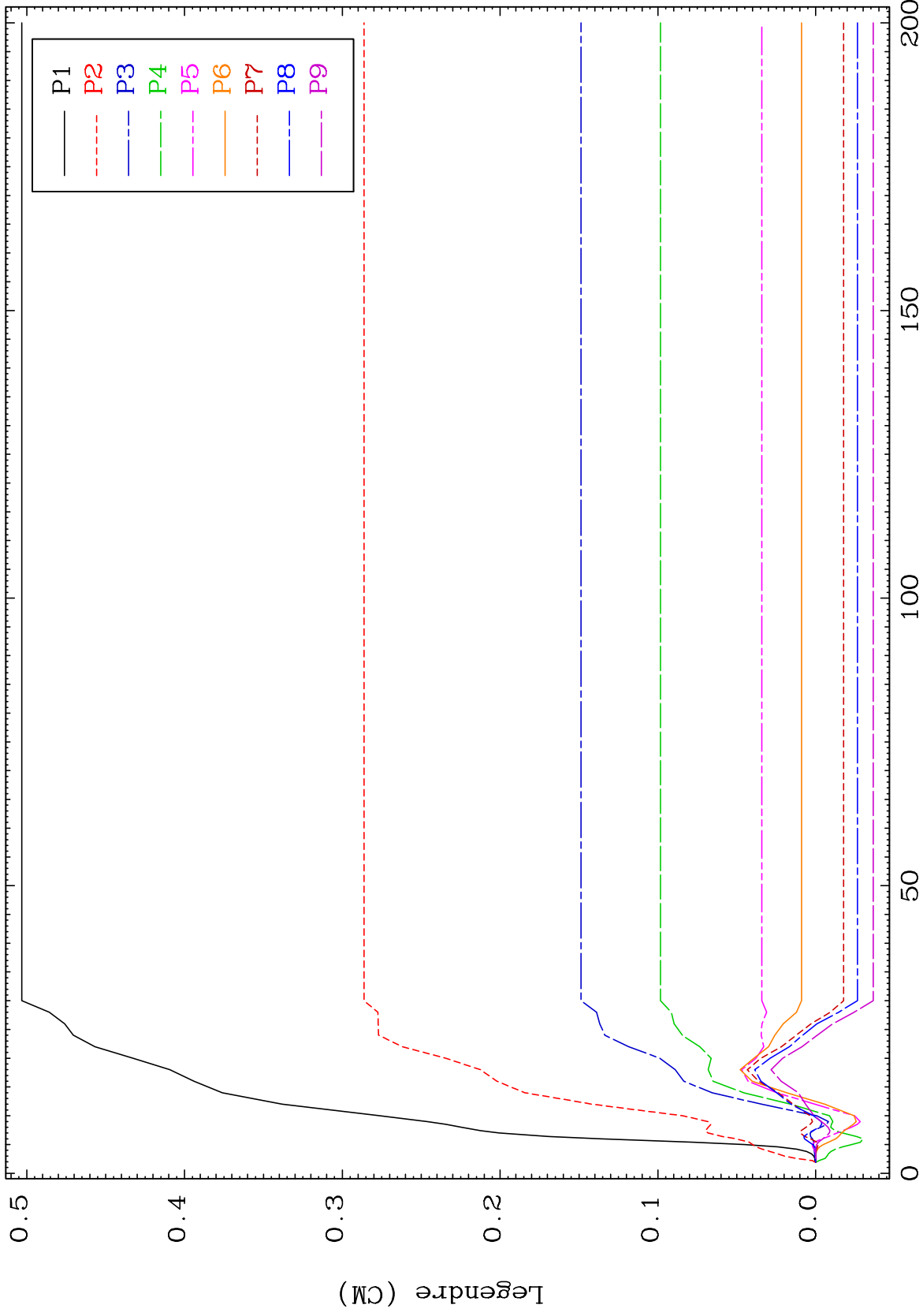
64-Gd-148



MAT 6413

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

64-Gd-148



39

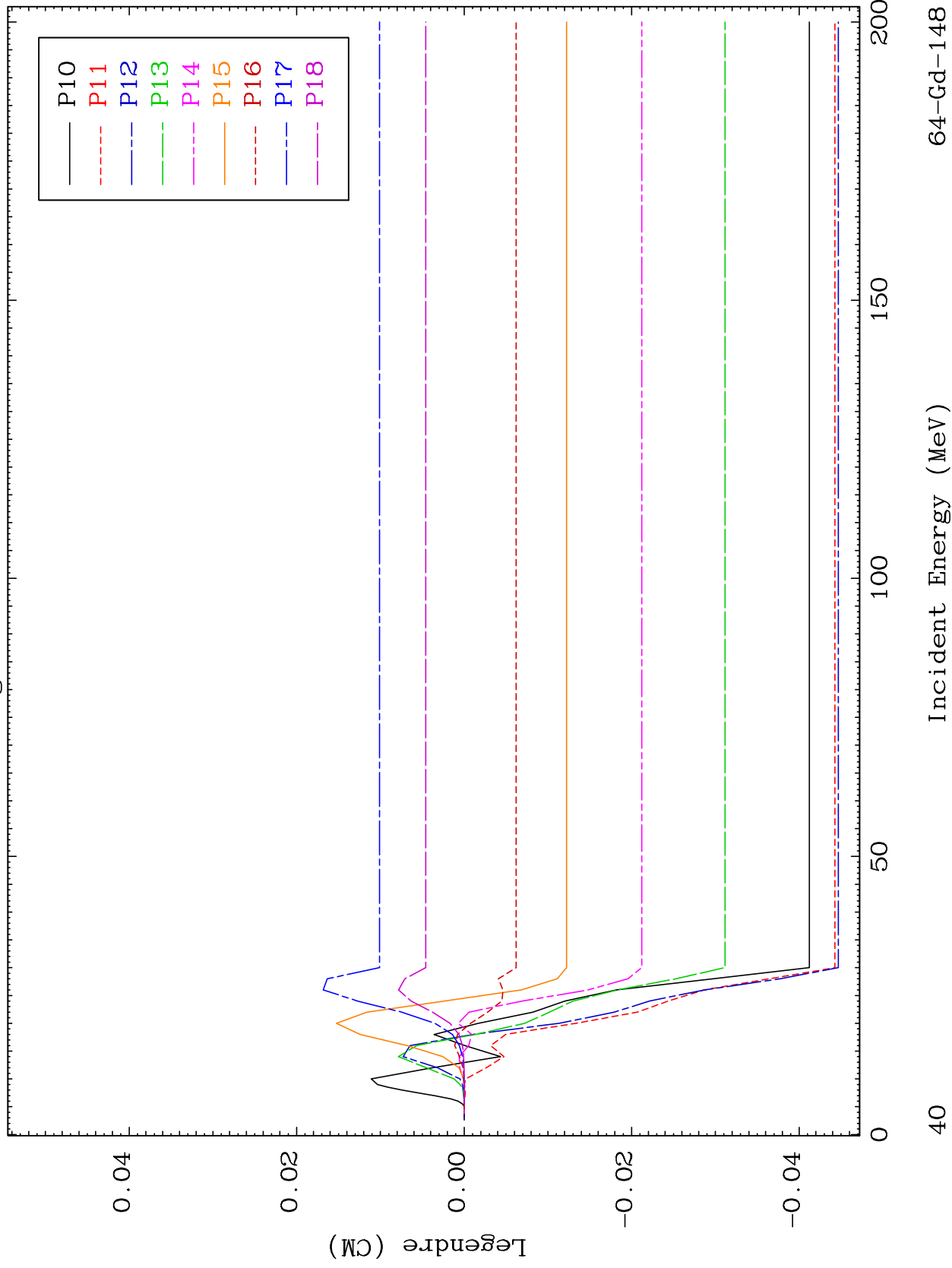
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

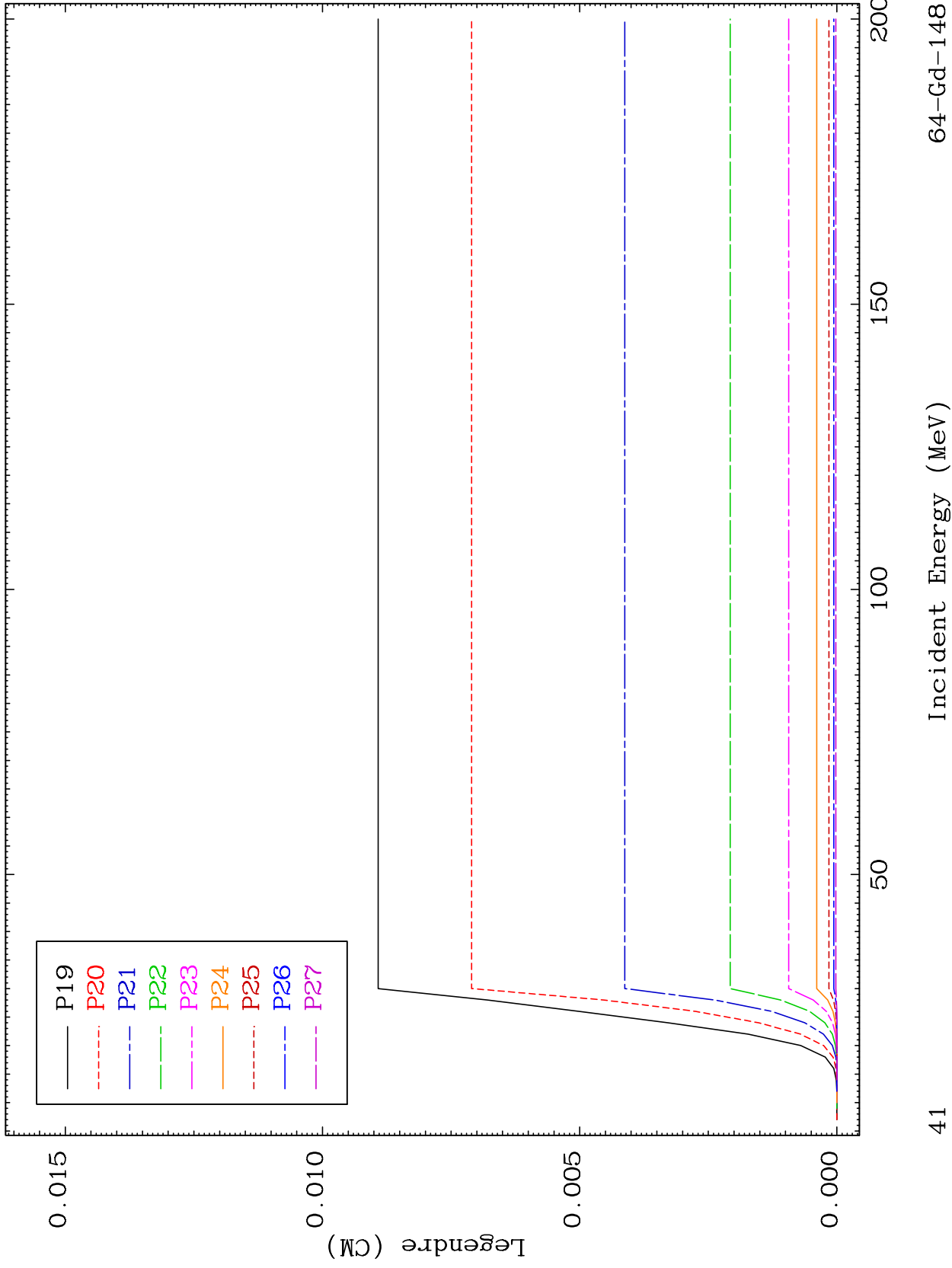
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MAT 6413

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

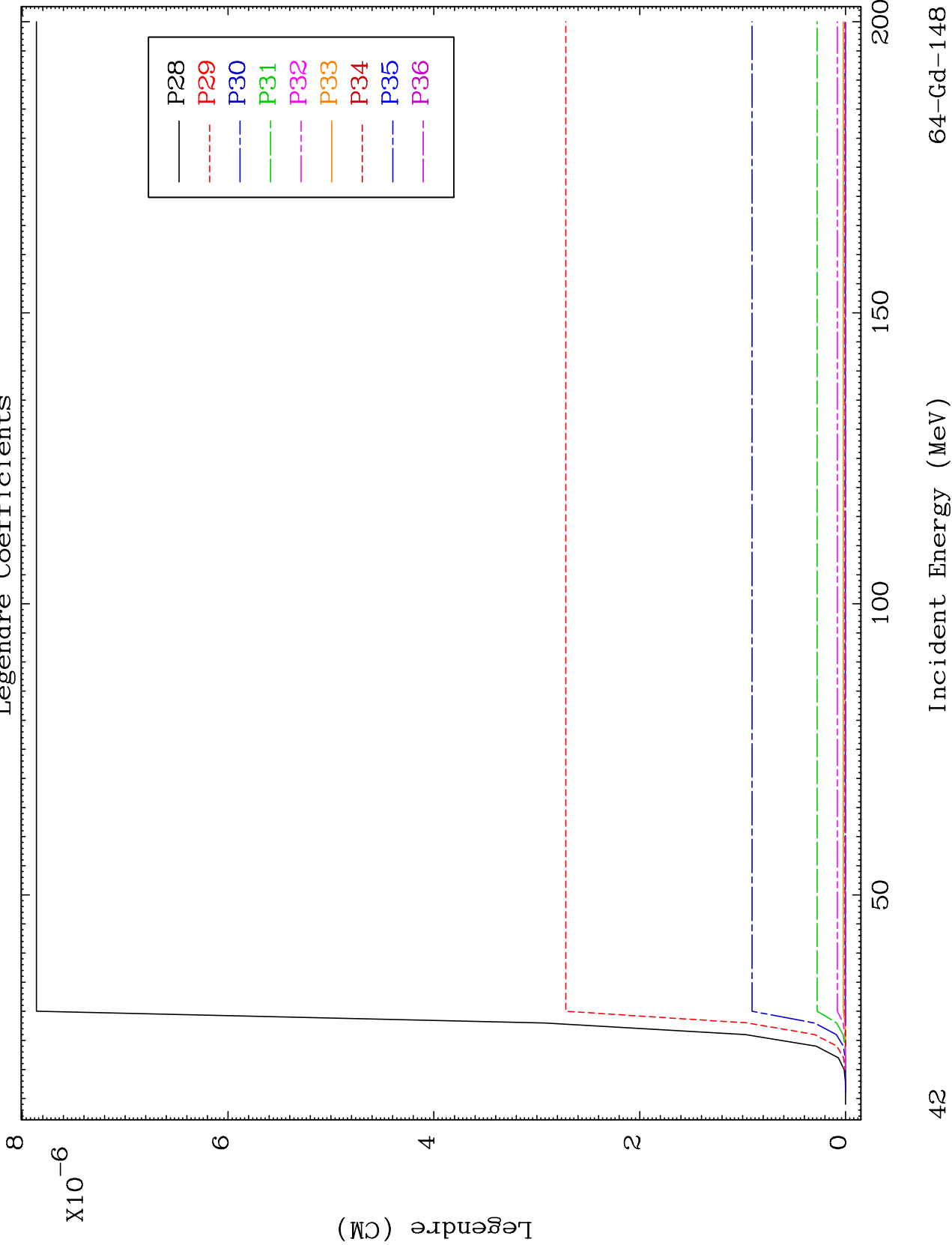
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MAT 6413

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

64-Gd-148



42

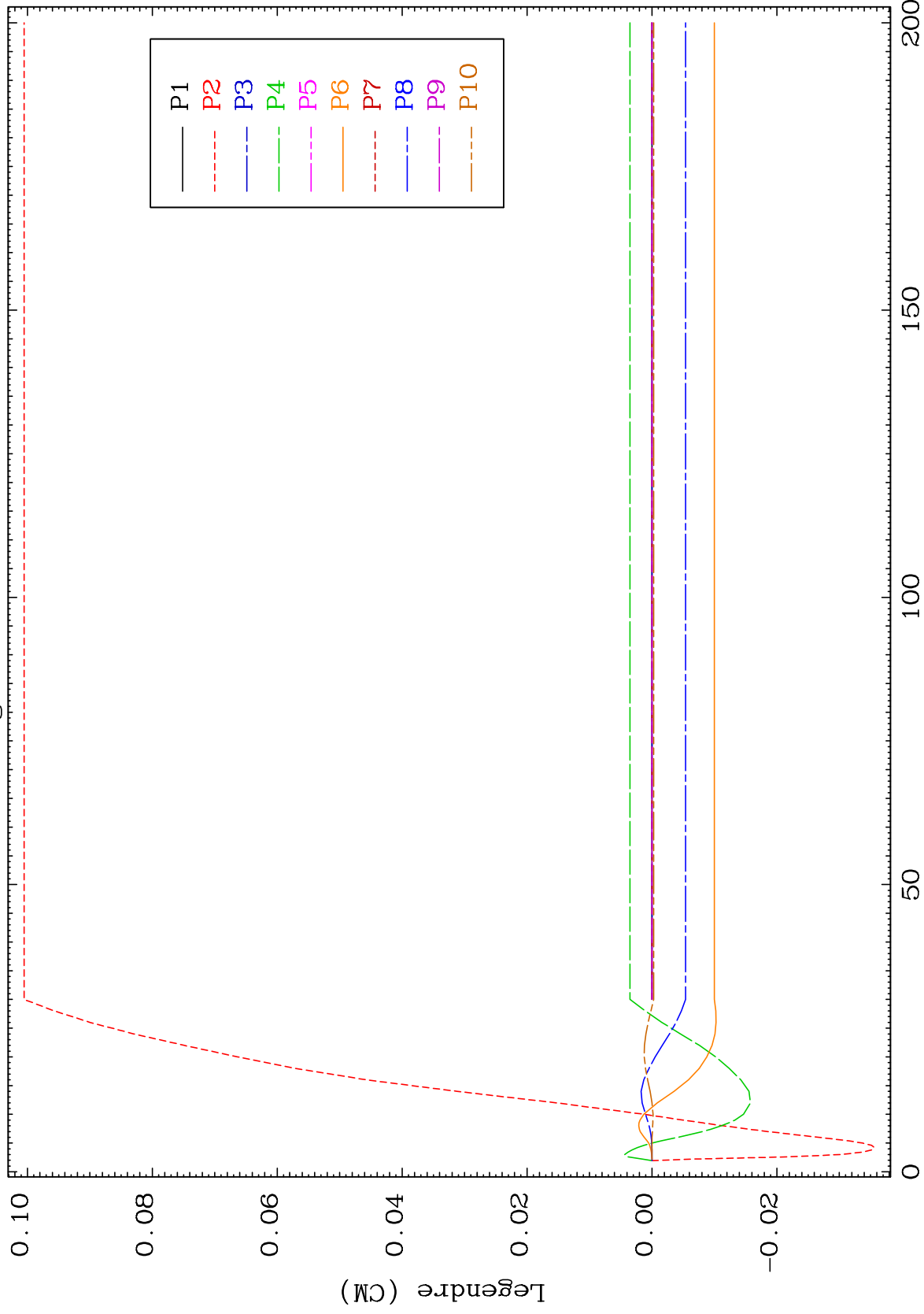
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

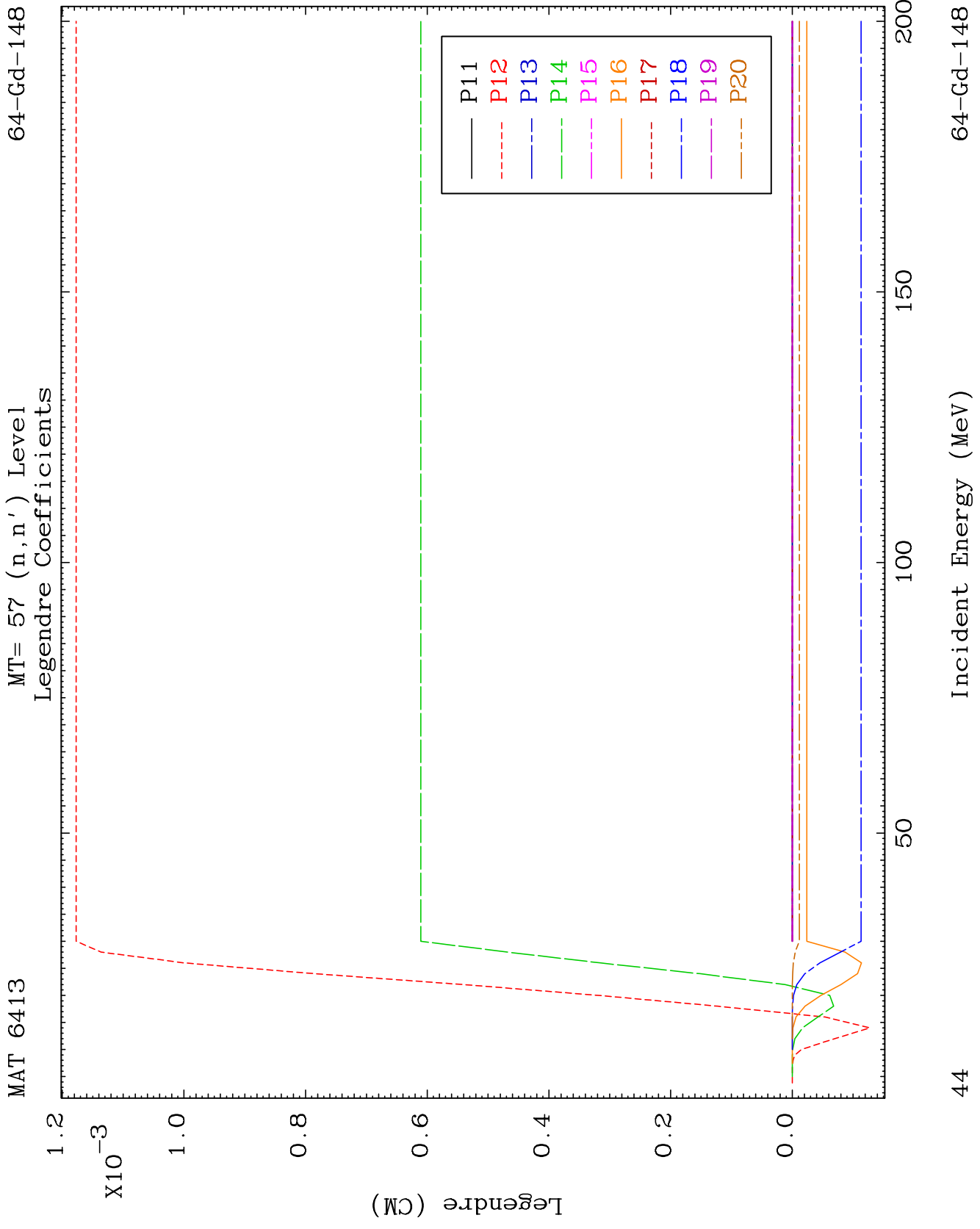
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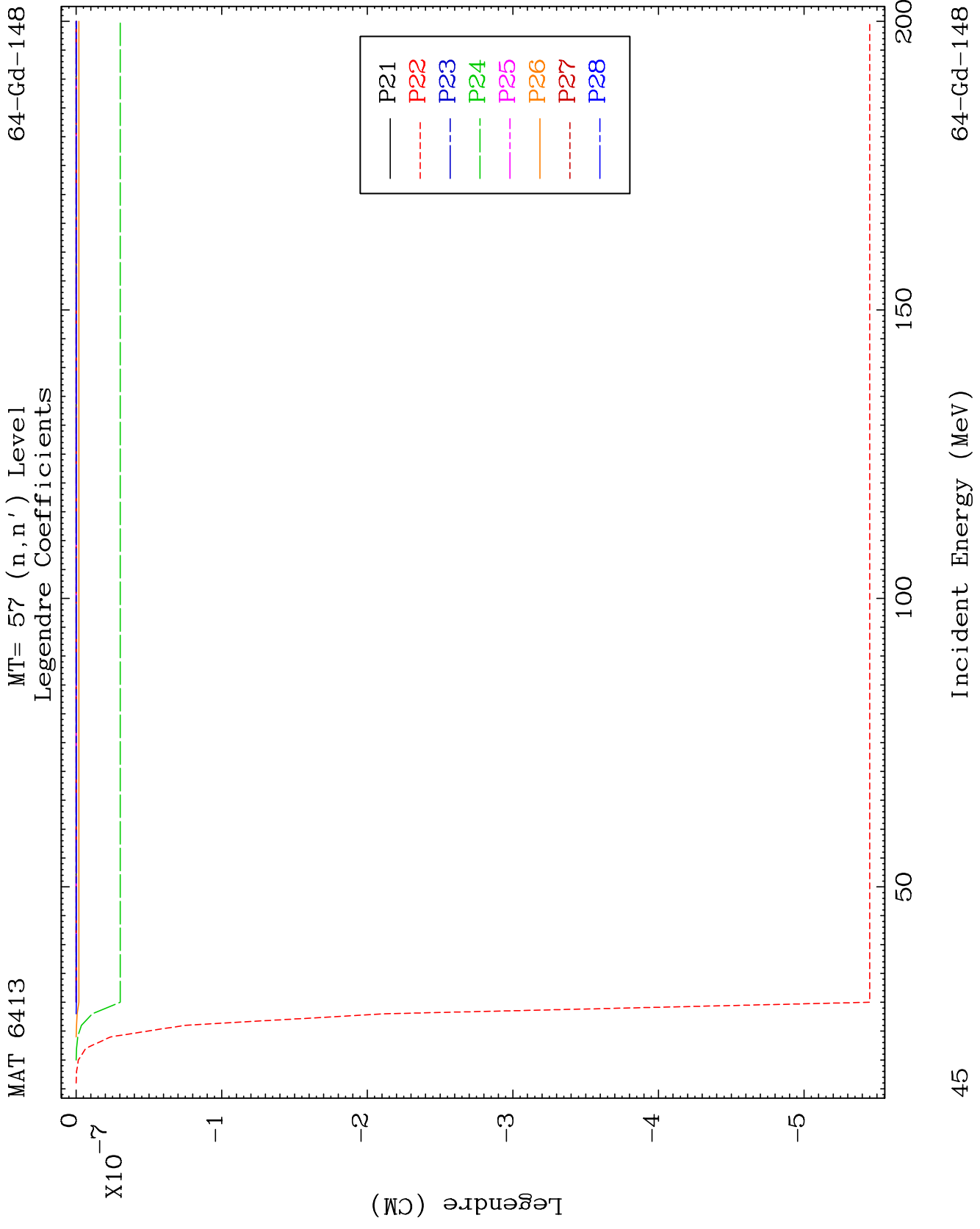


64-Gd-148

Incident Energy (MeV)

43

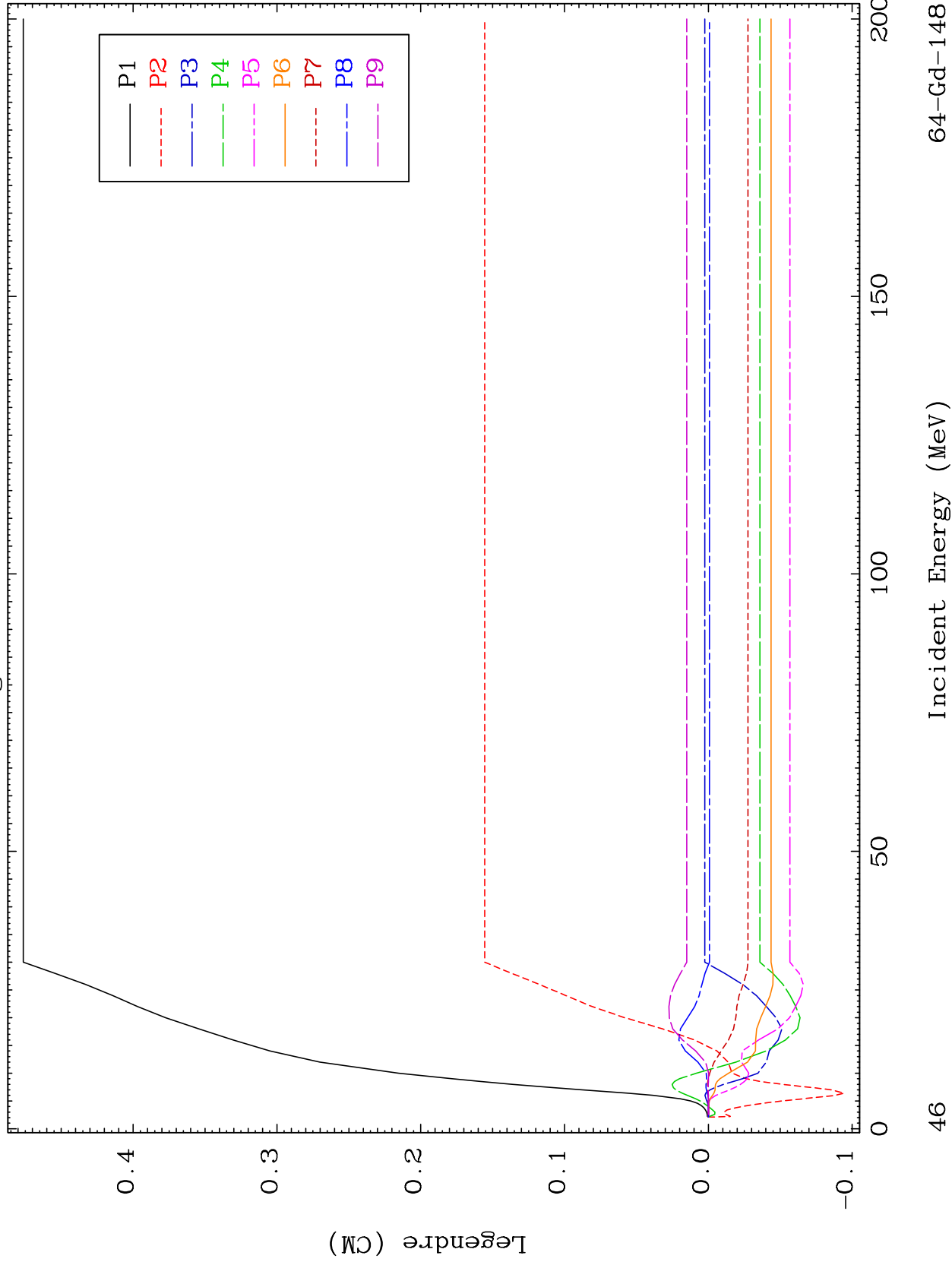




MAT 6413

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

64-Gd-148



64-Gd-148

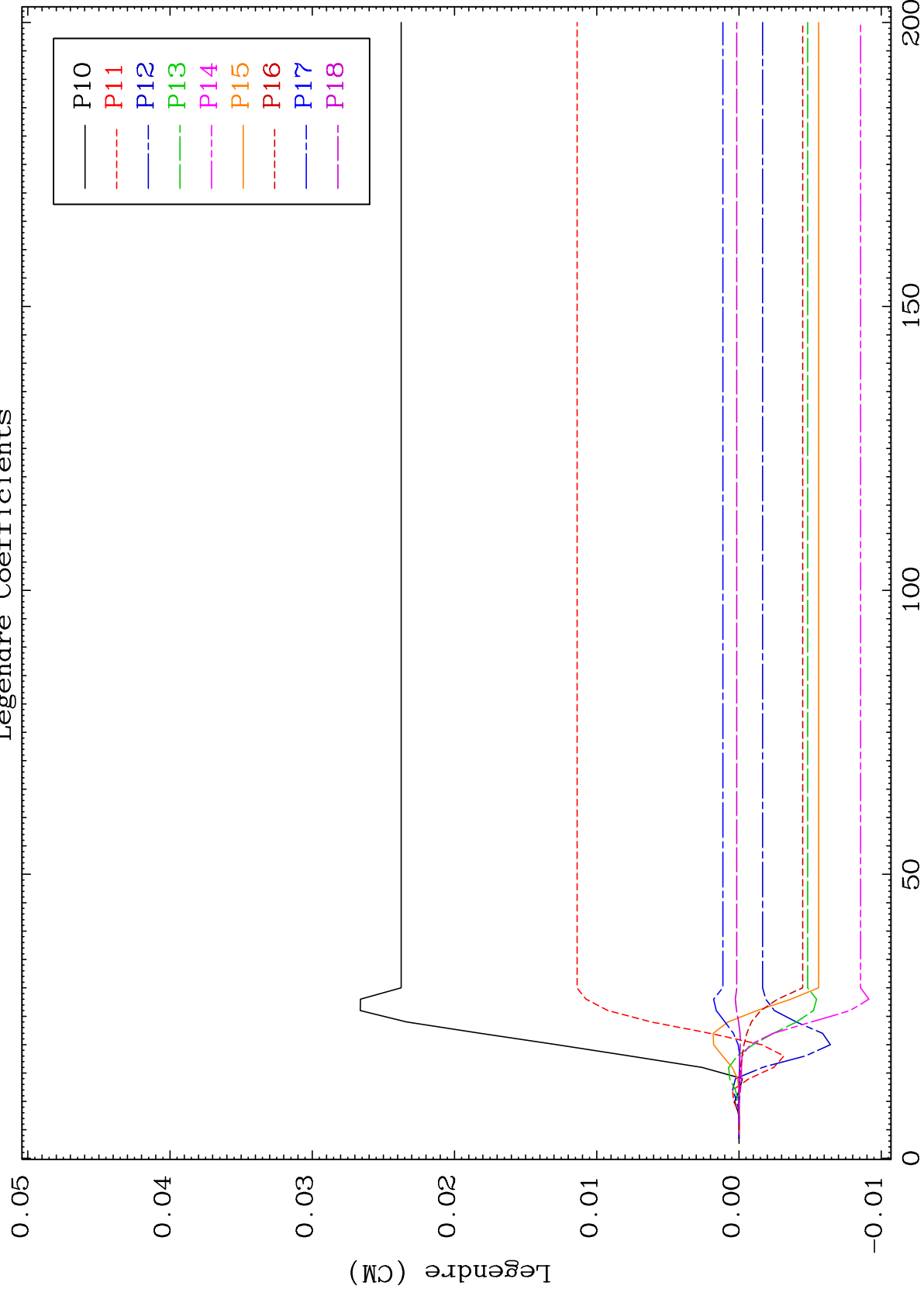
Incident Energy (MeV)

46

MAT 6413

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

64-Gd-148



47

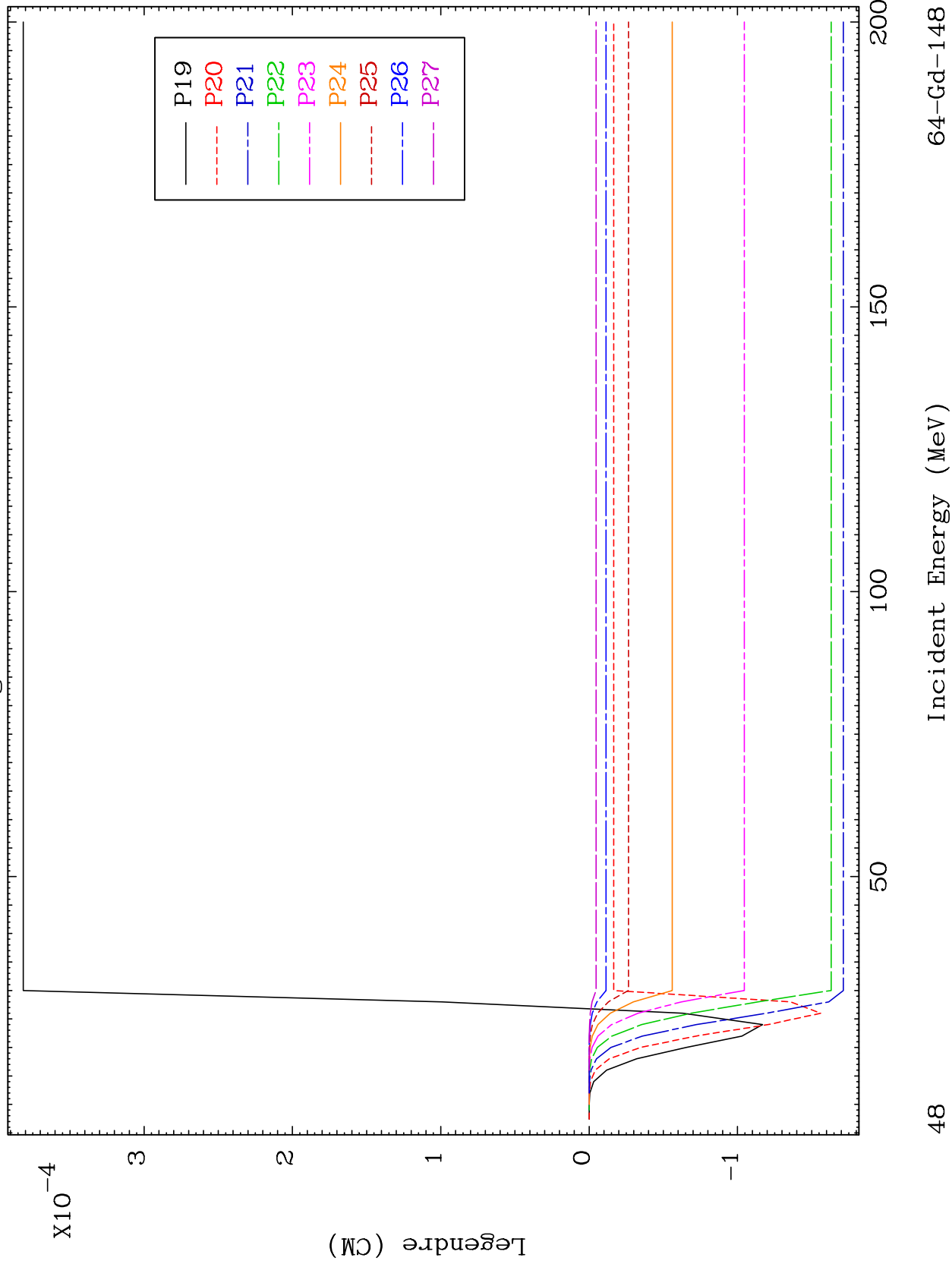
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



48

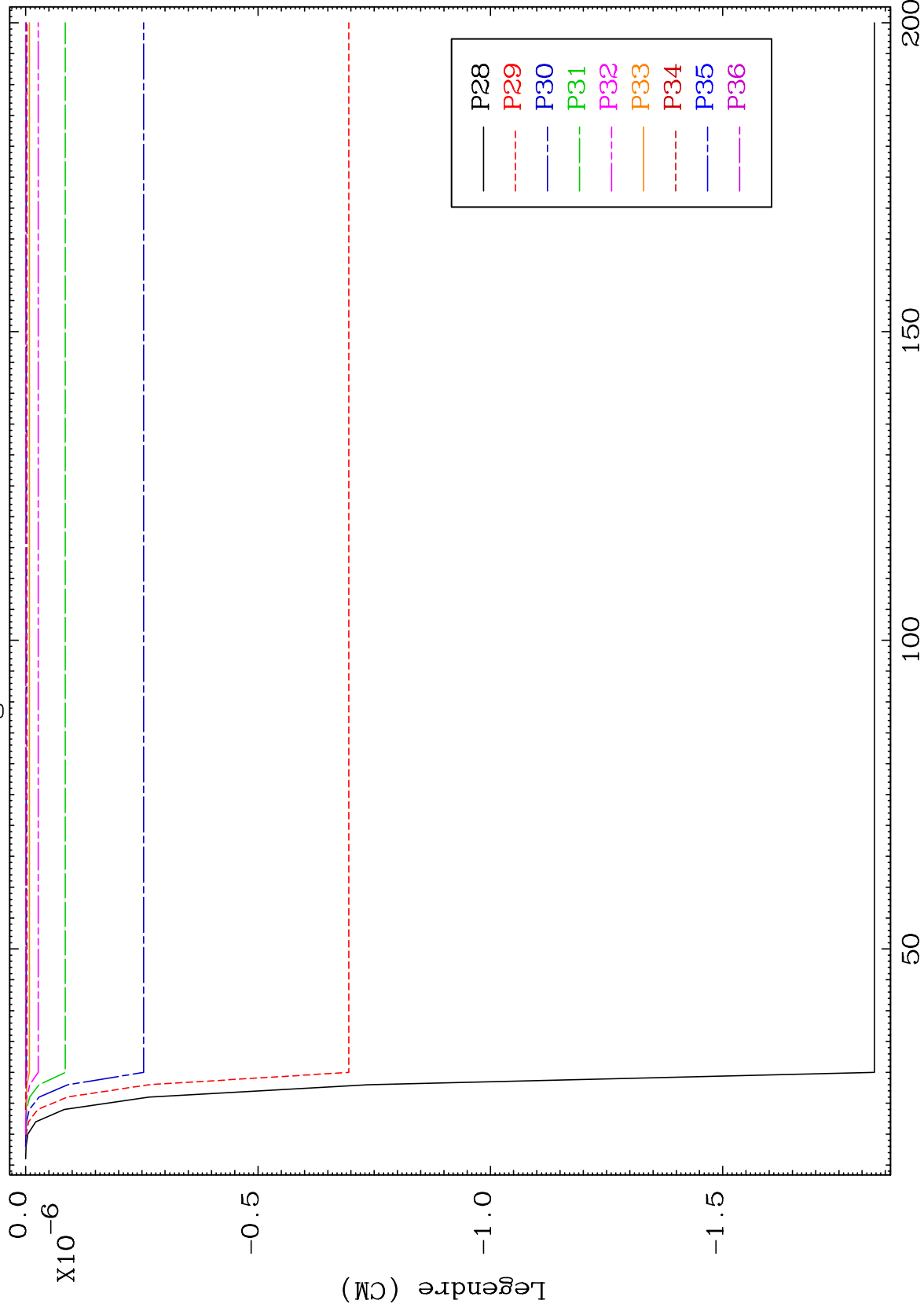
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



49

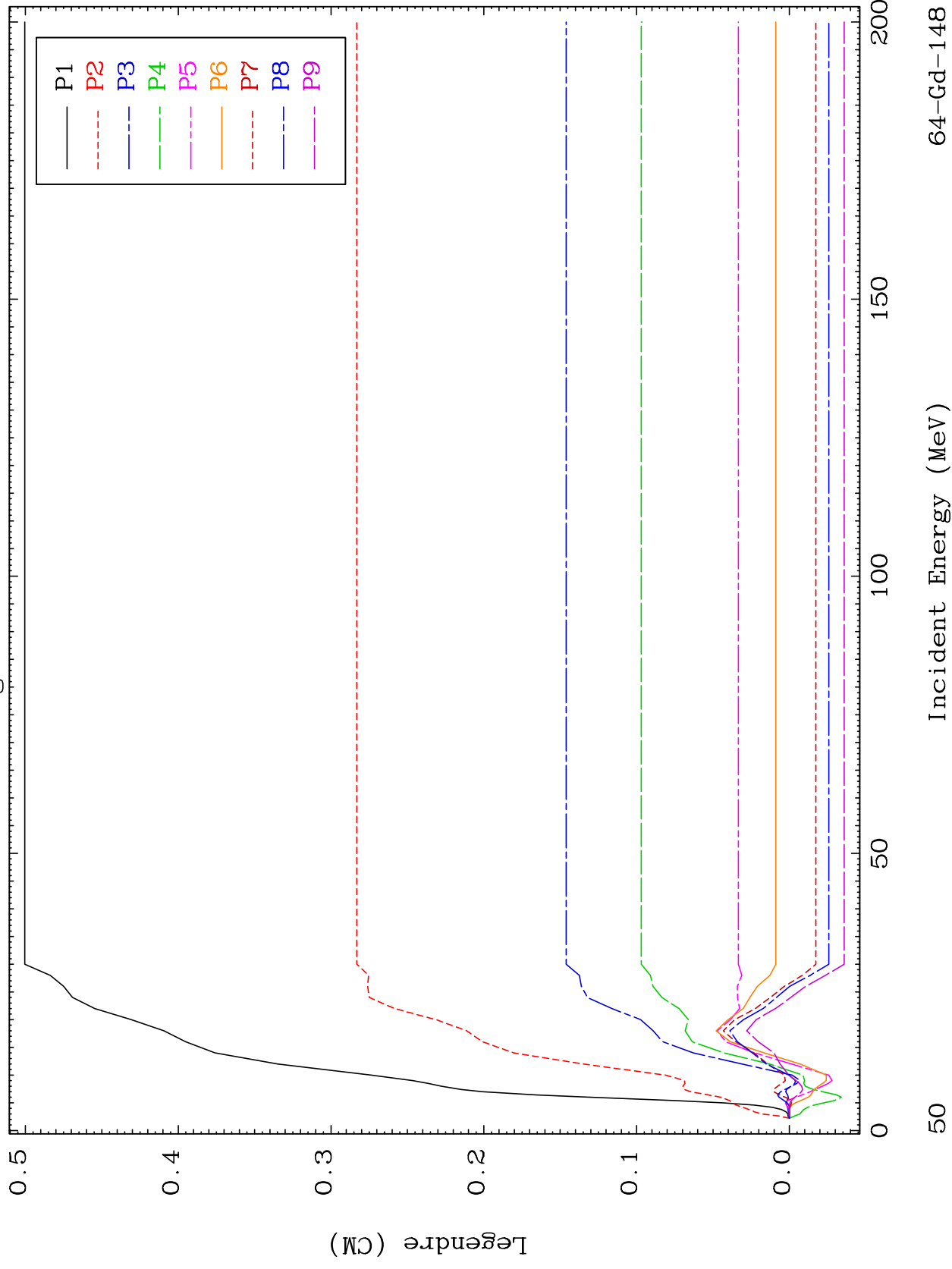
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

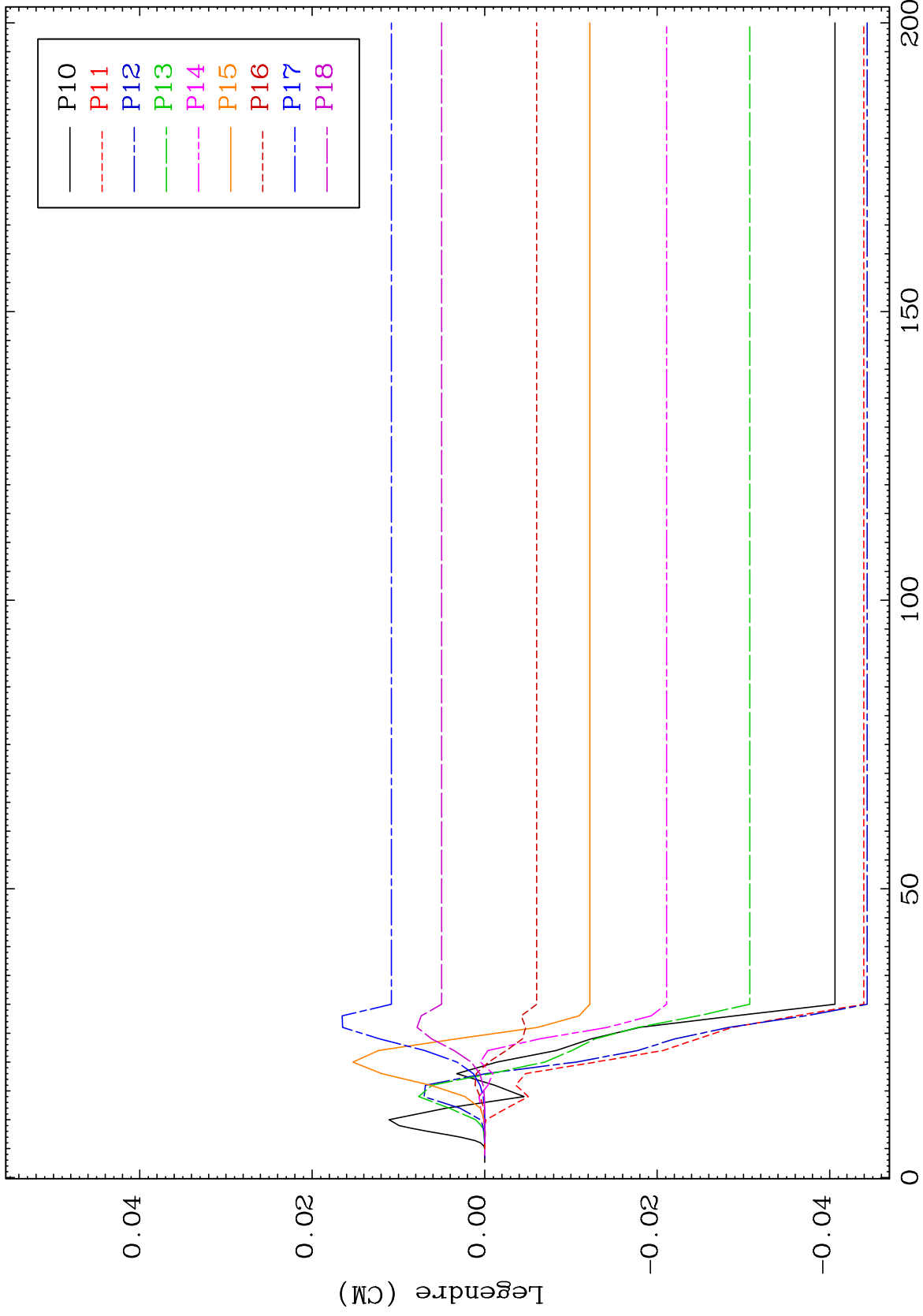
64-Gd-148



MAT 6413

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

64-Gd-148



51

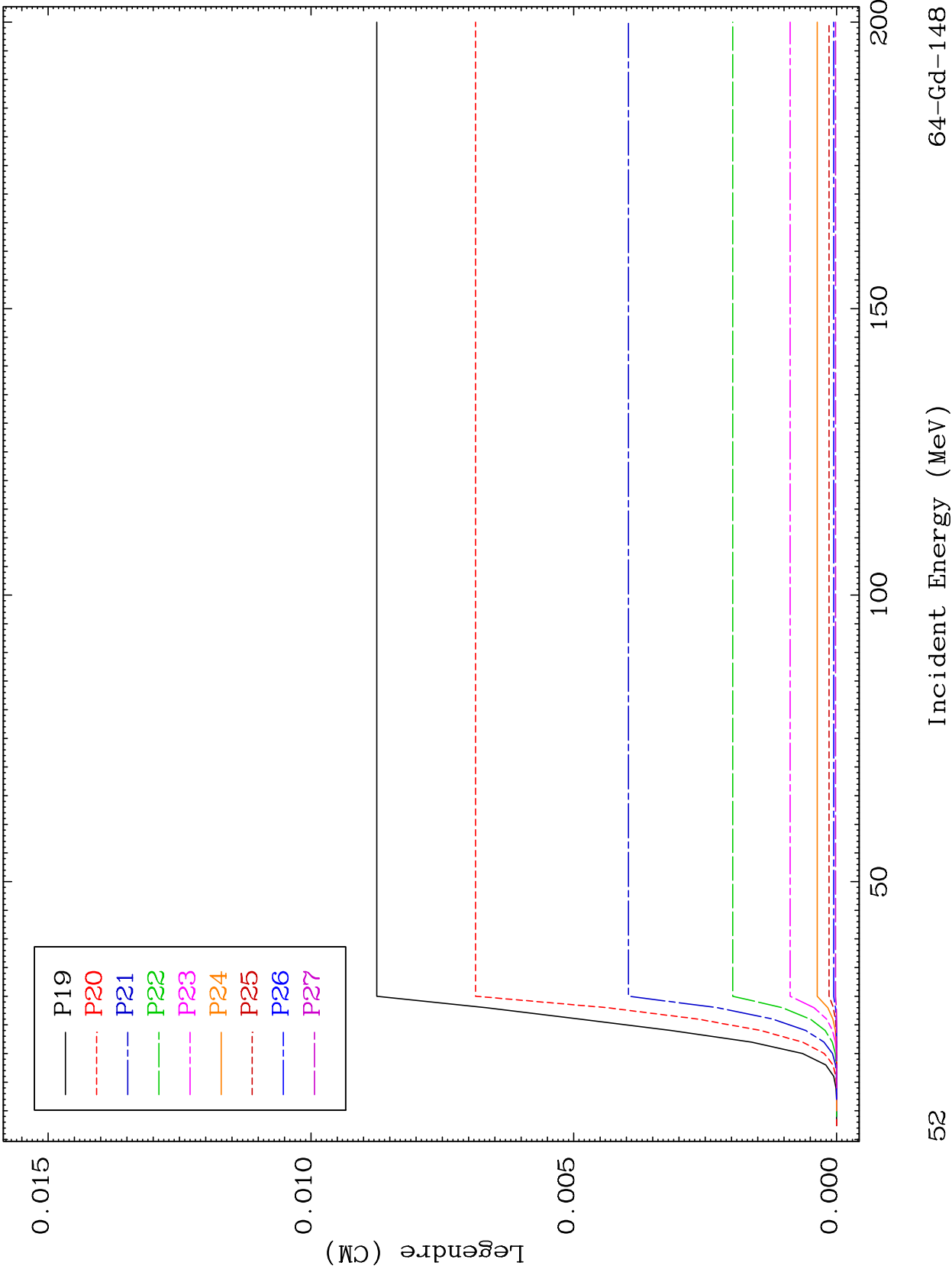
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



52

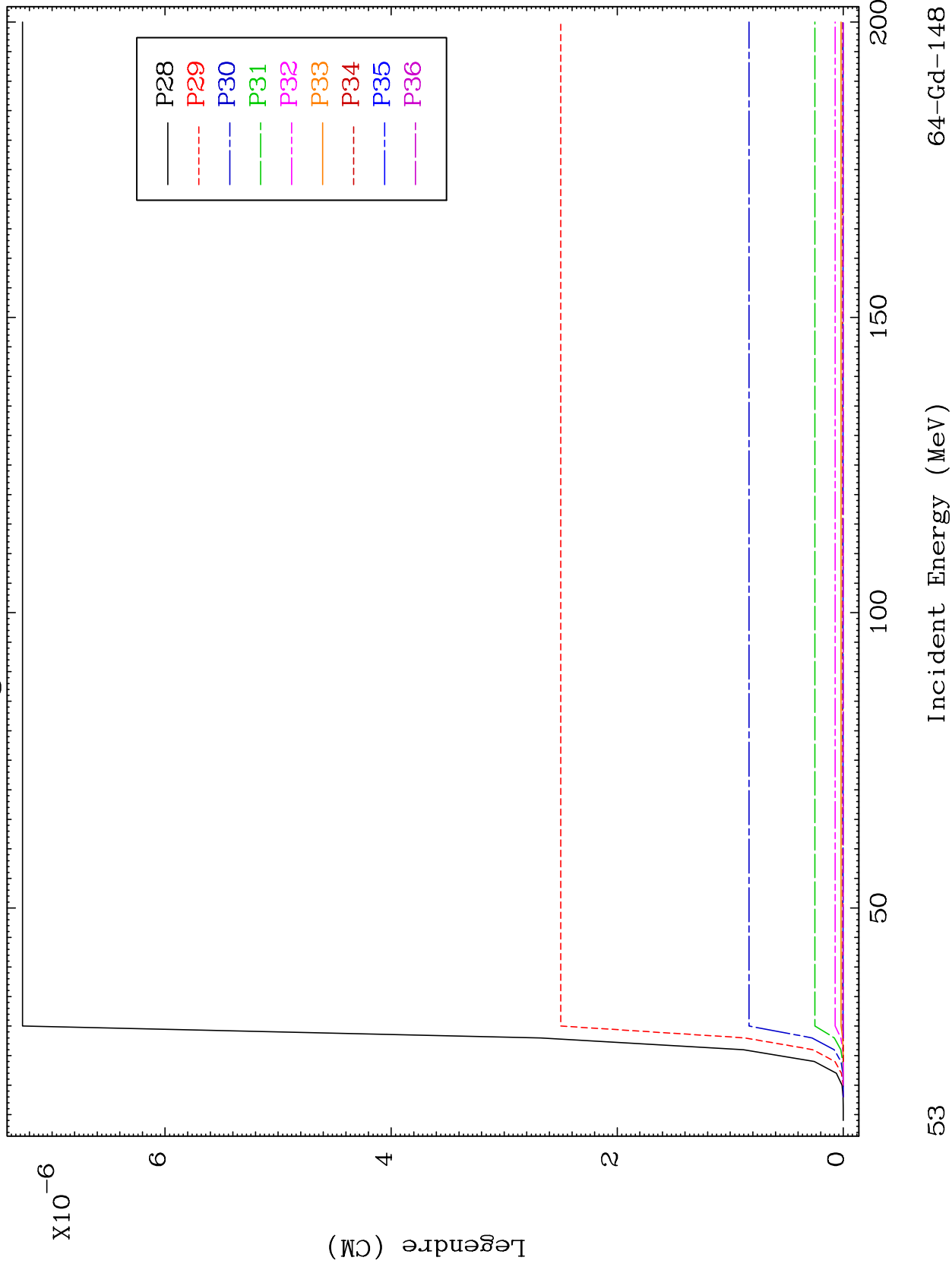
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



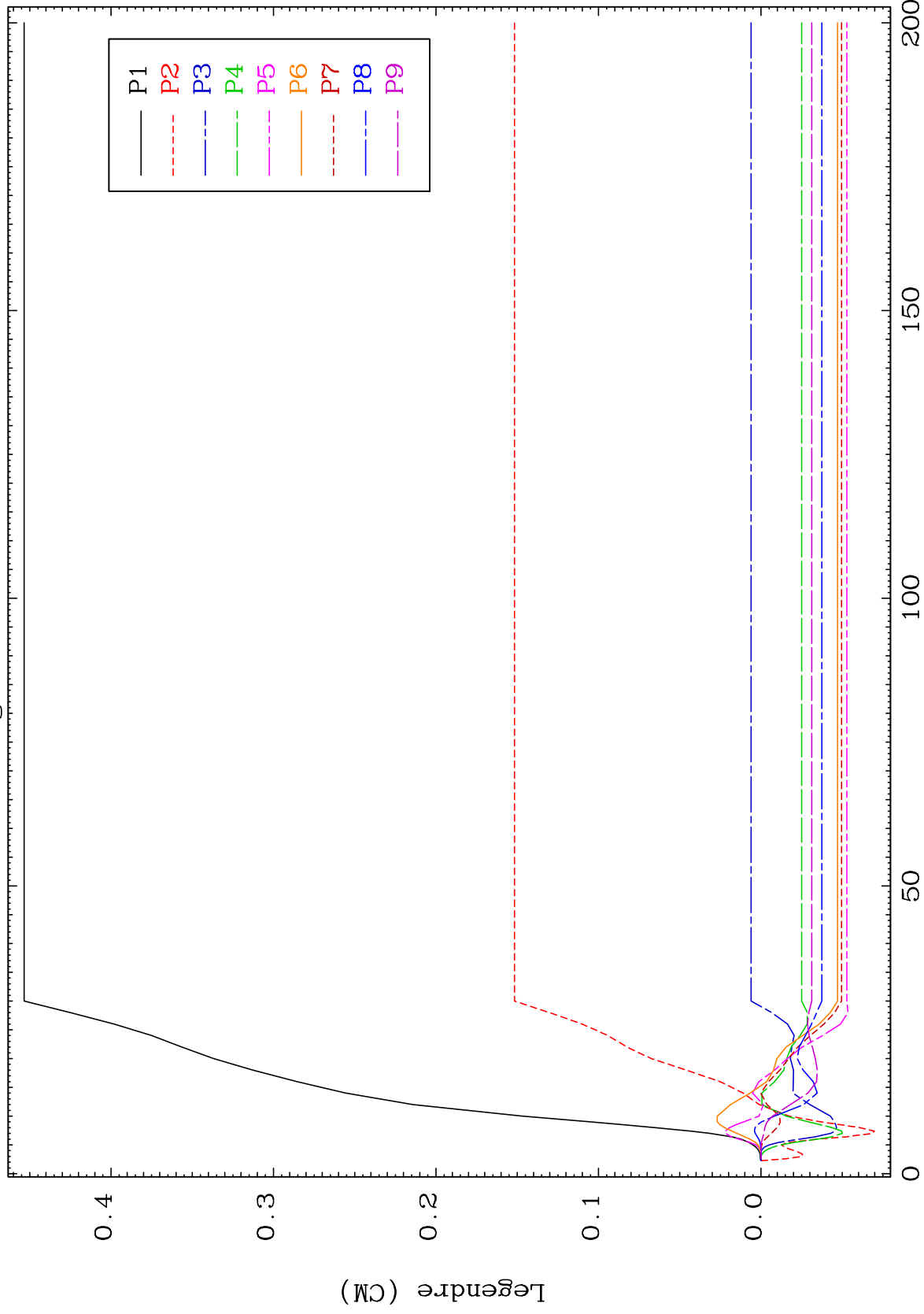
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64-Gd-148

MAT 6413

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

64-Gd-148



54

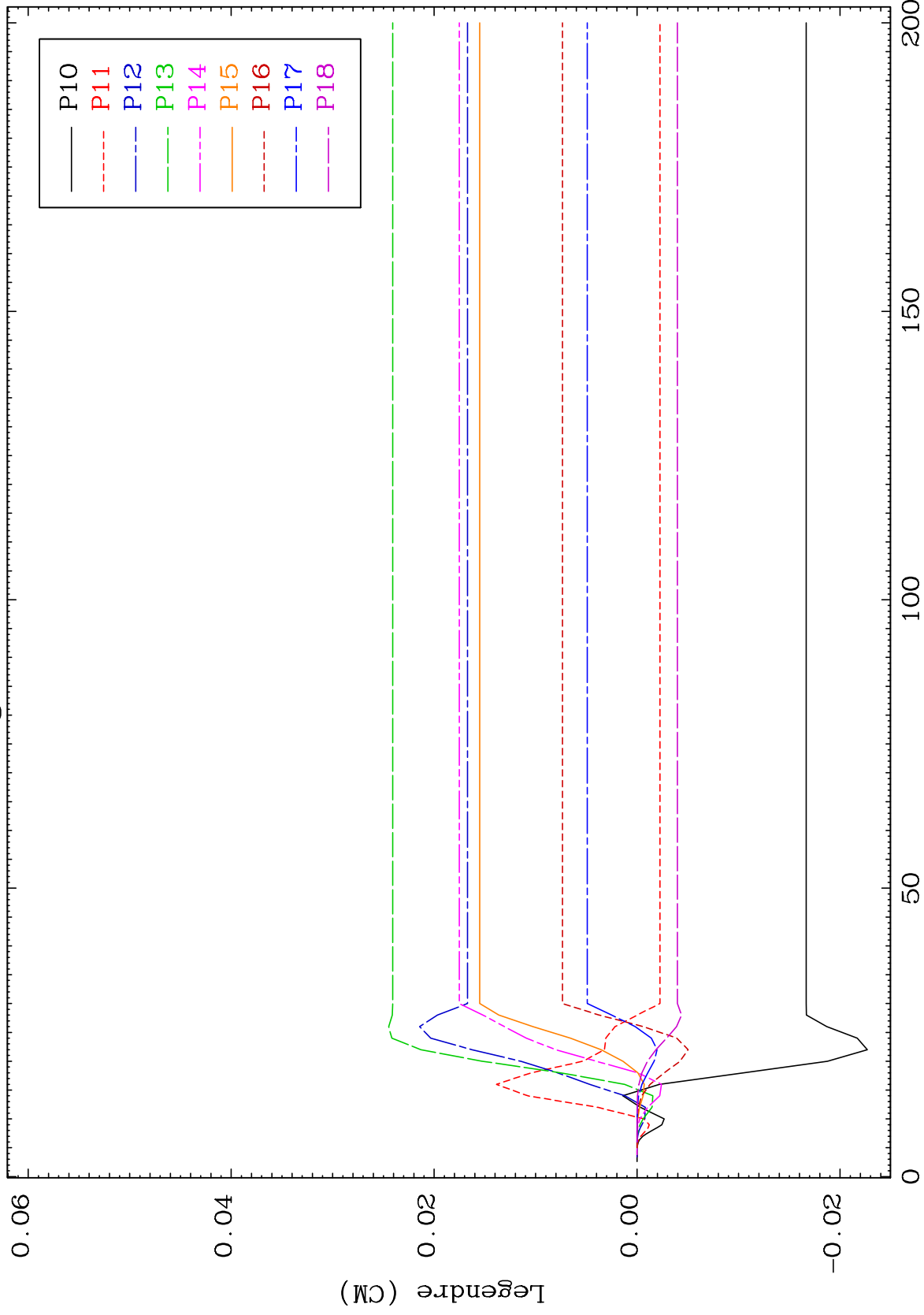
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



55

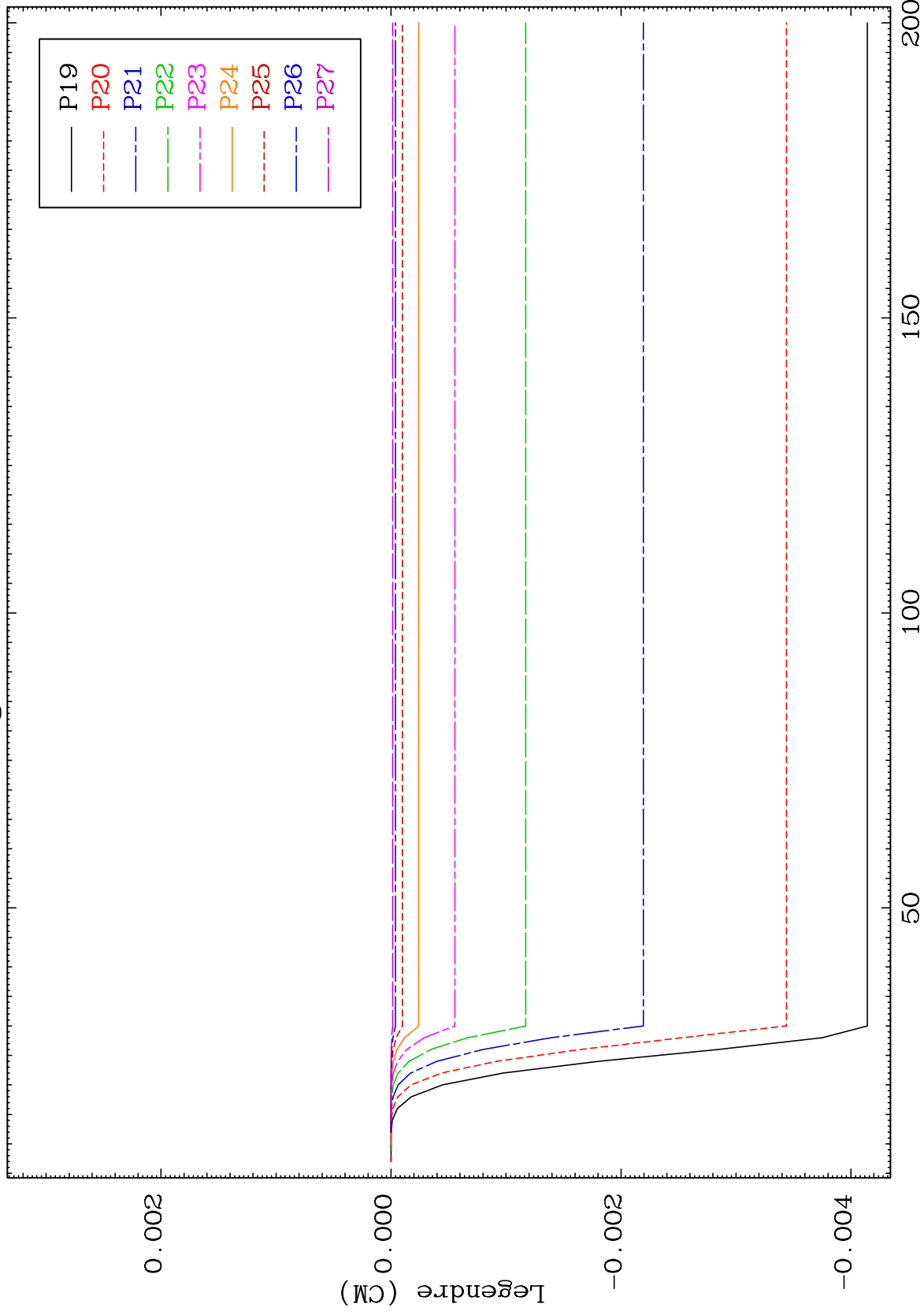
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



56

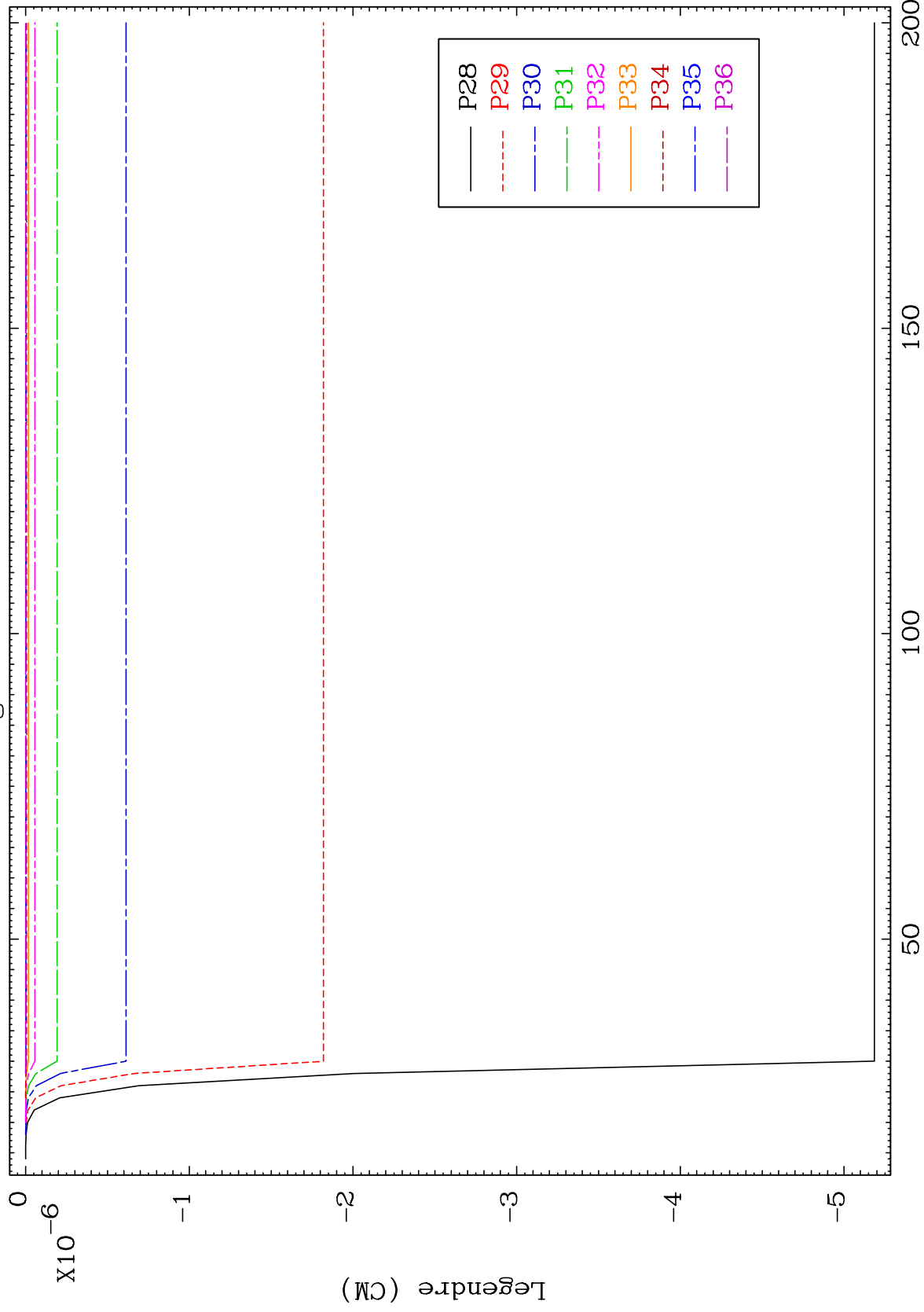
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

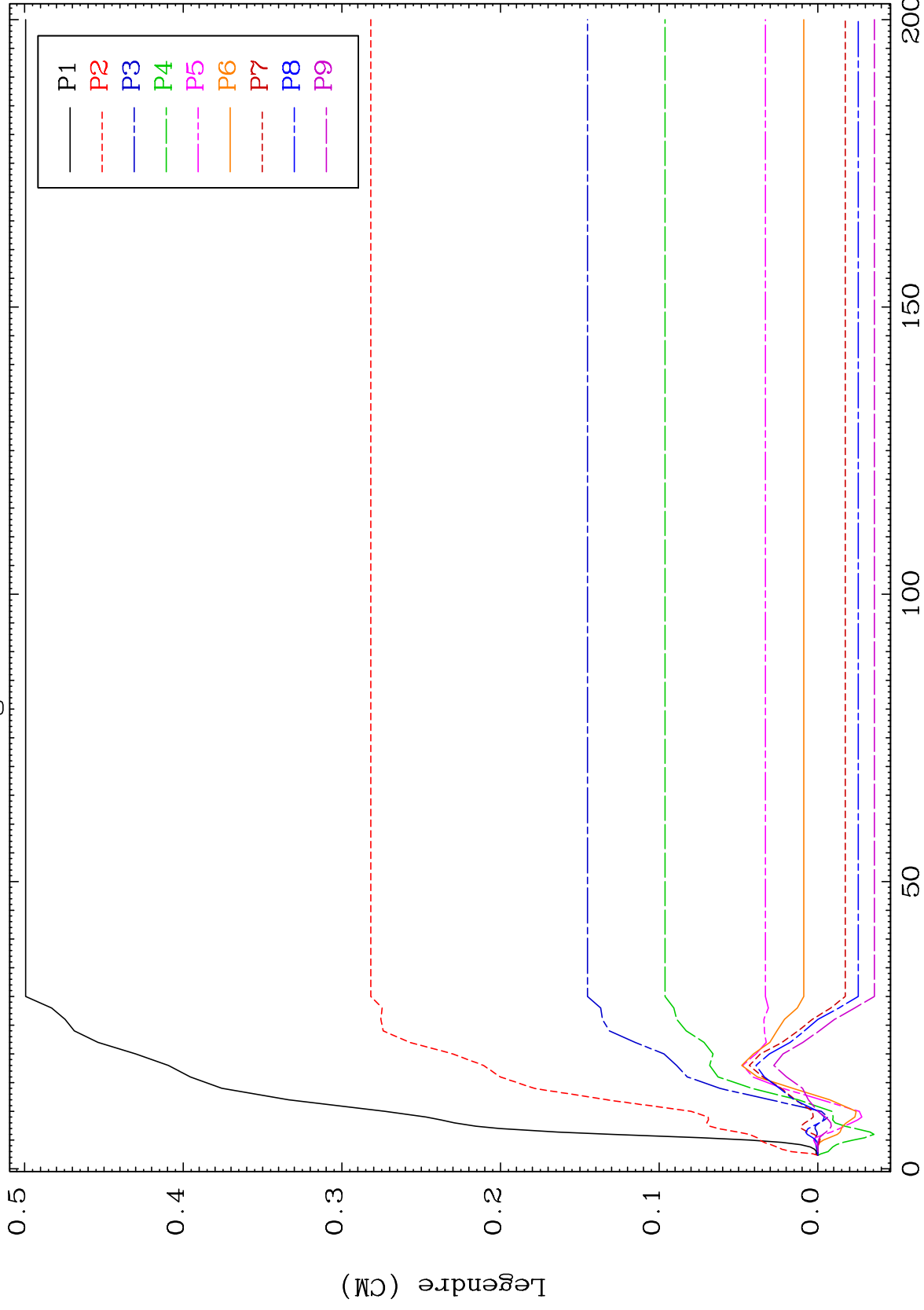
64-Gd-148



MAT 6413

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

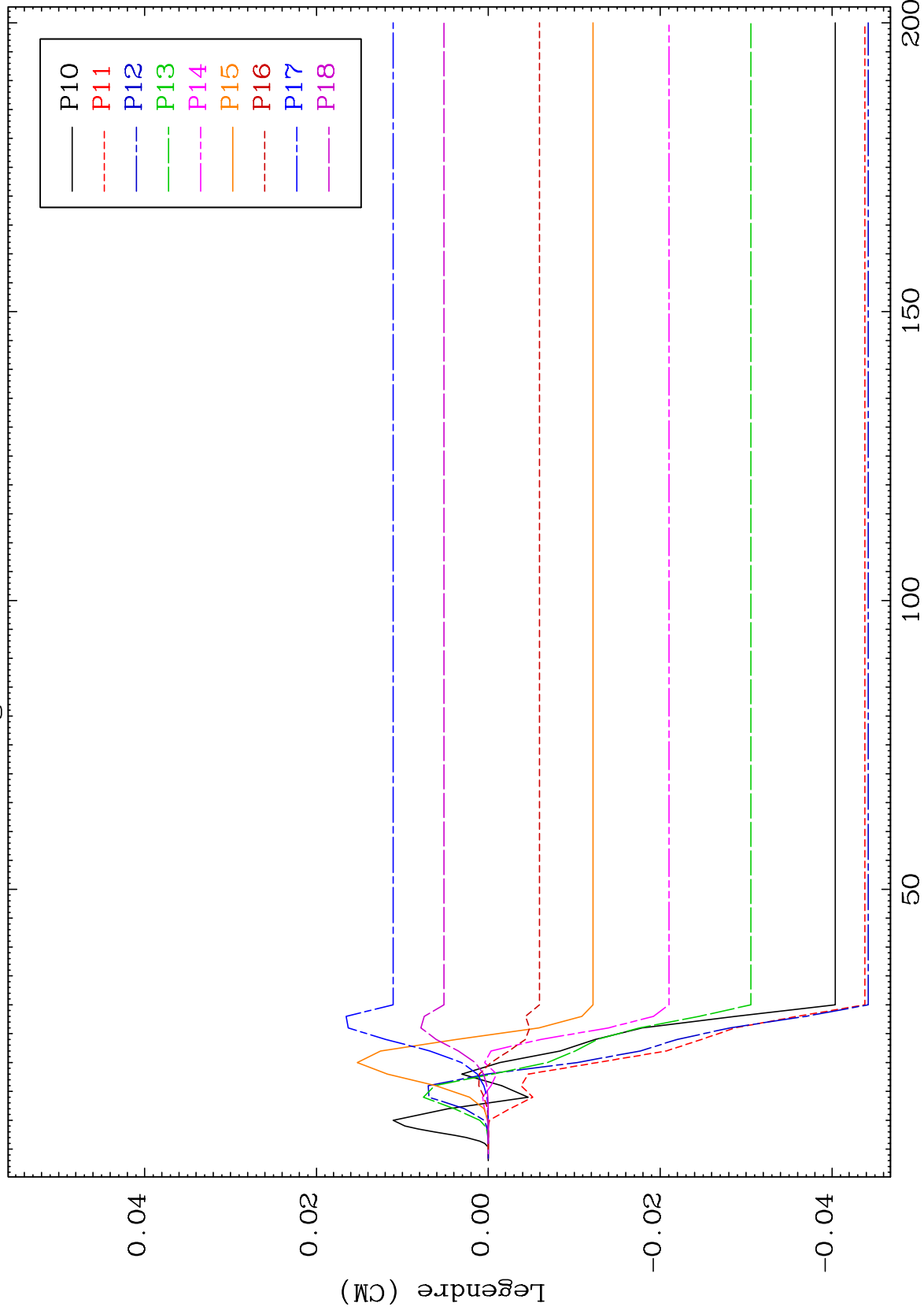
64-Gd-148



58

Incident Energy (MeV)

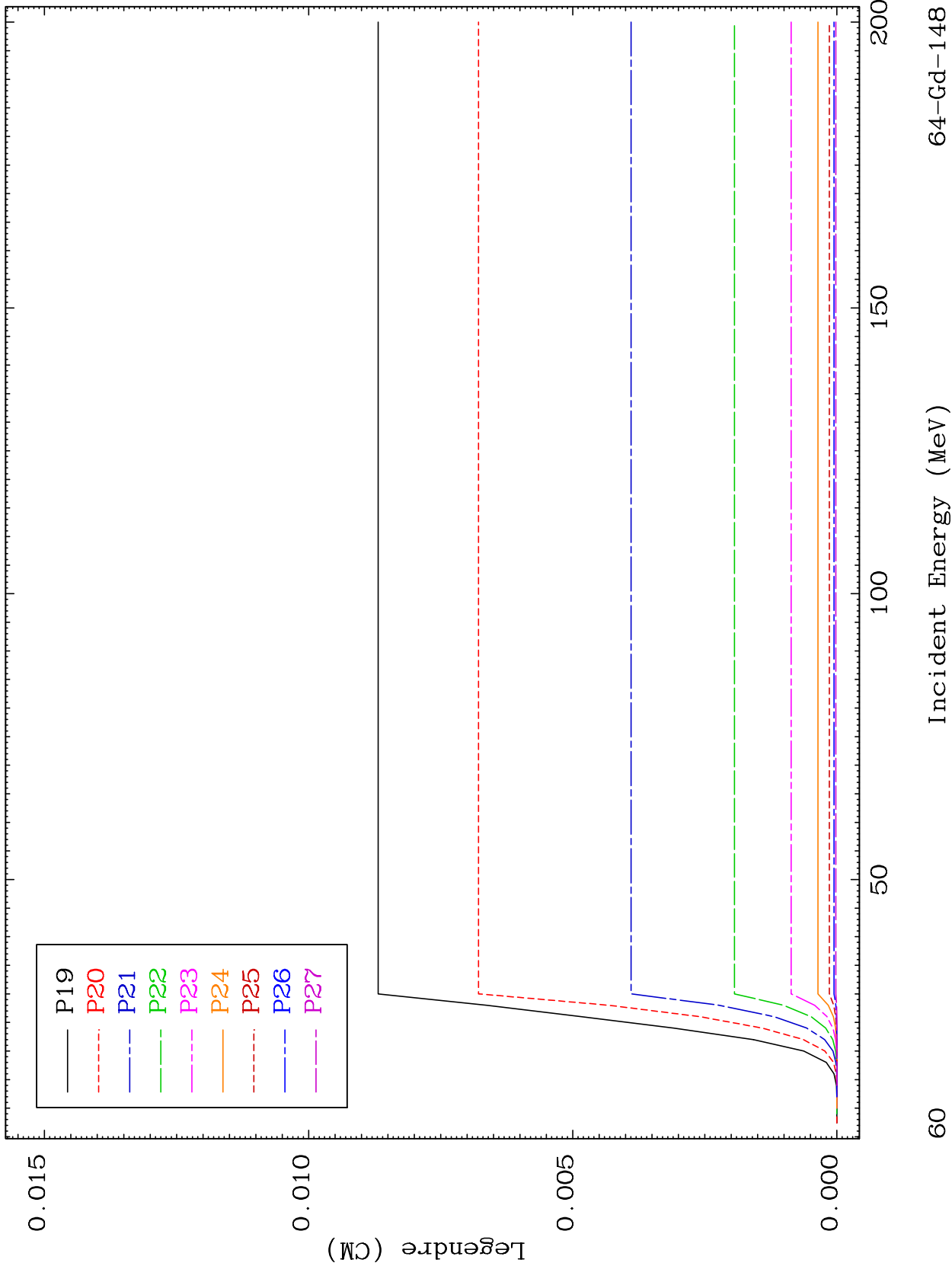
64-Gd-148



MAT 6413

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

64-Gd-148



60

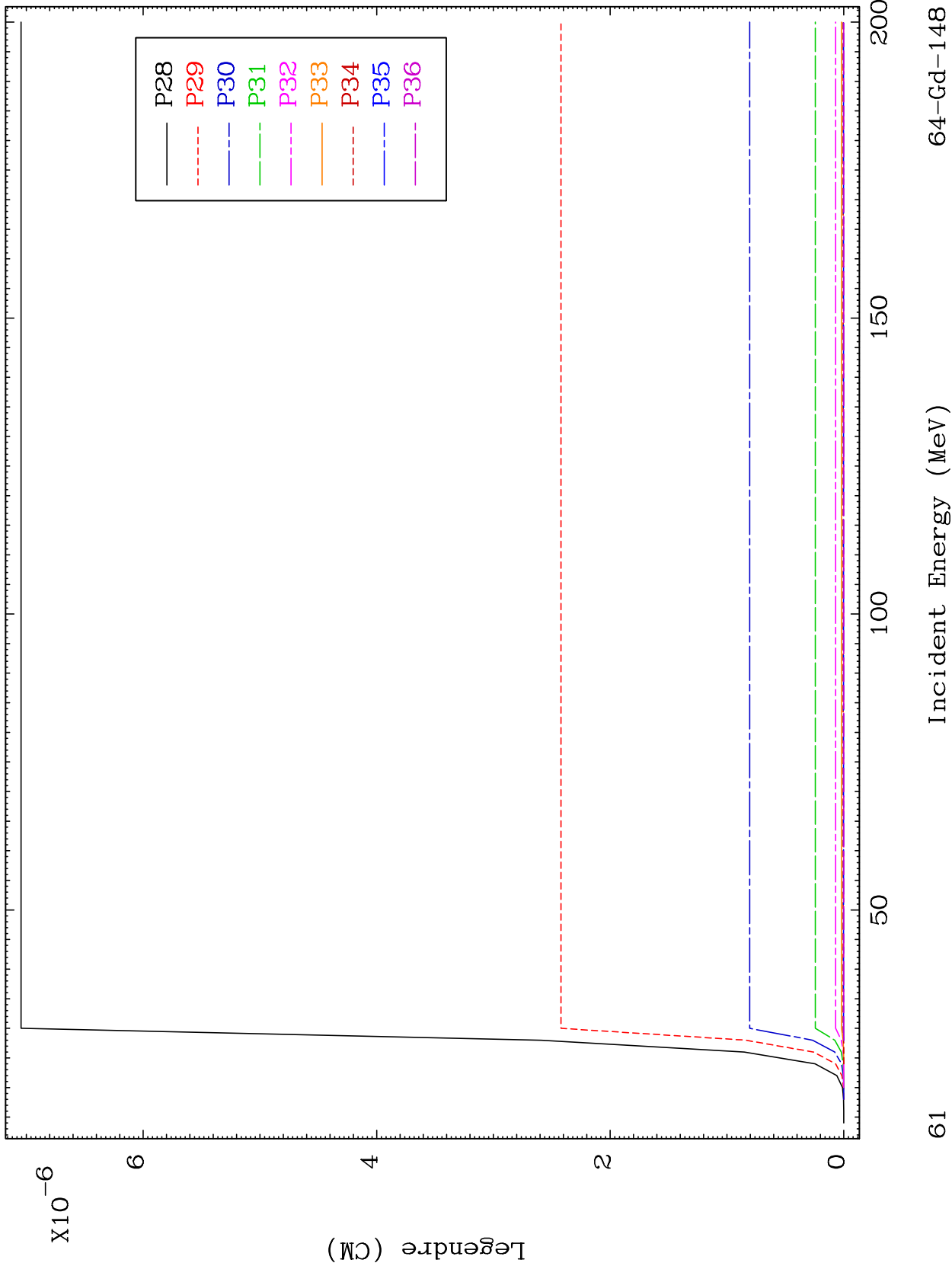
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



61

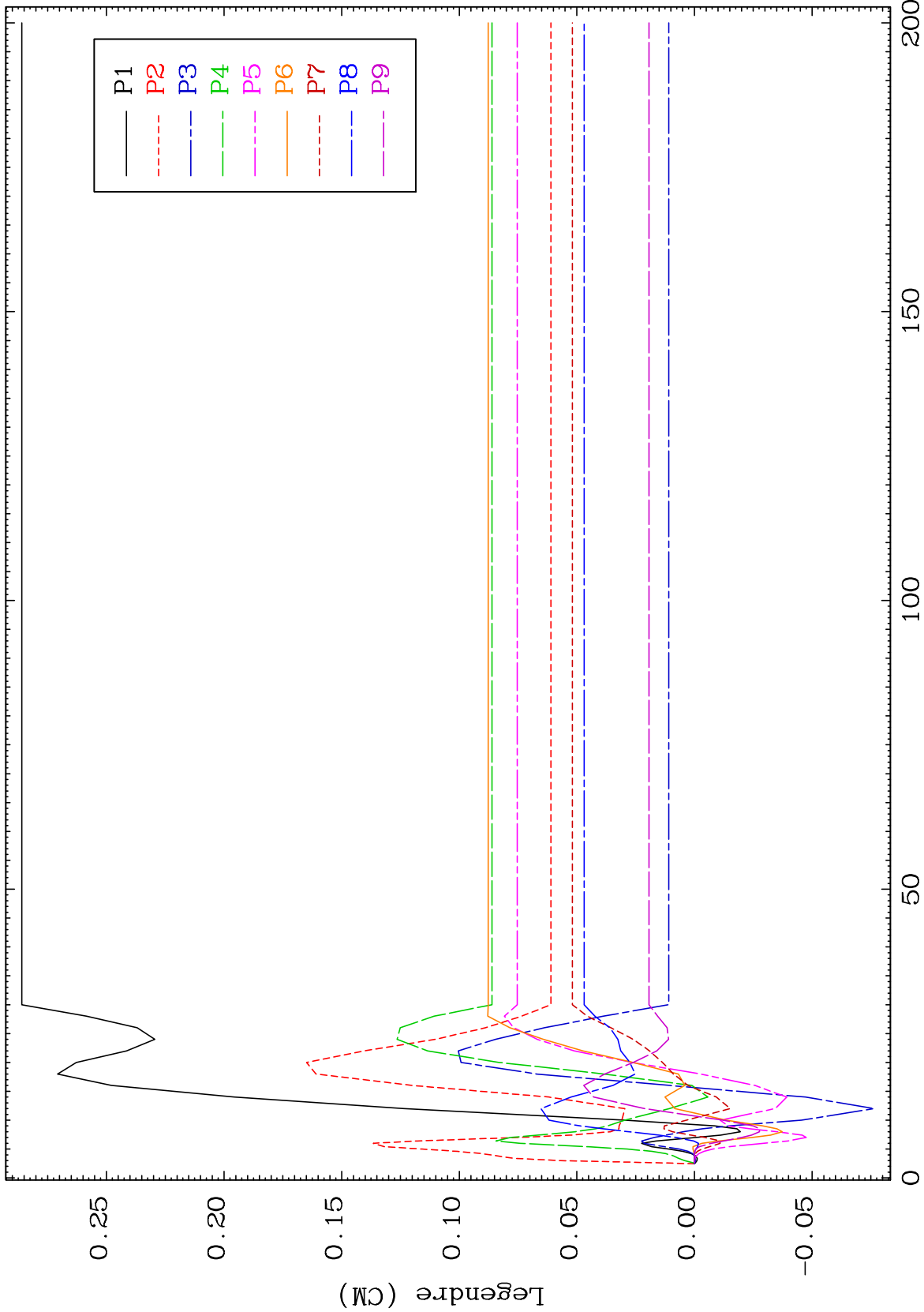
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



62

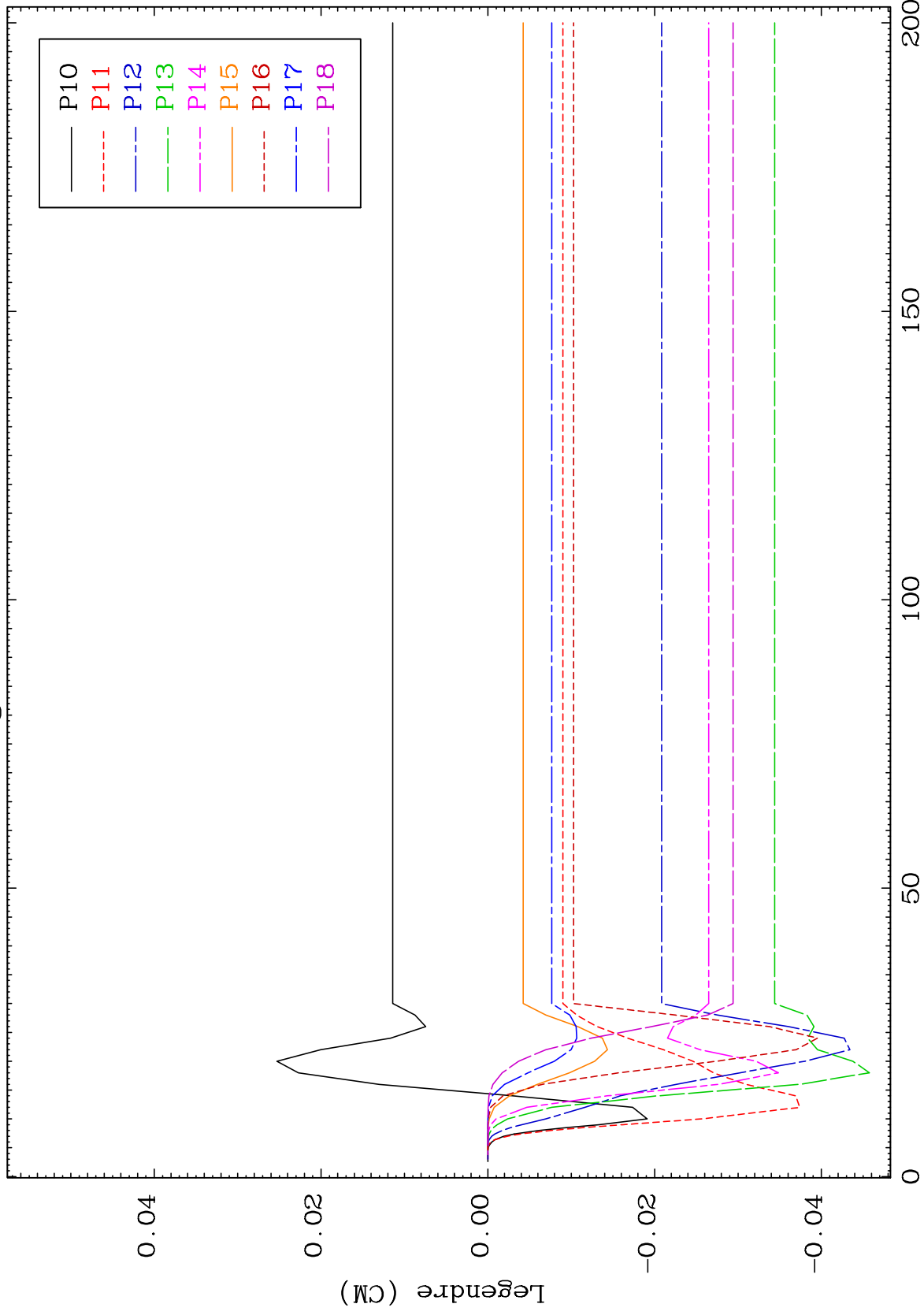
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

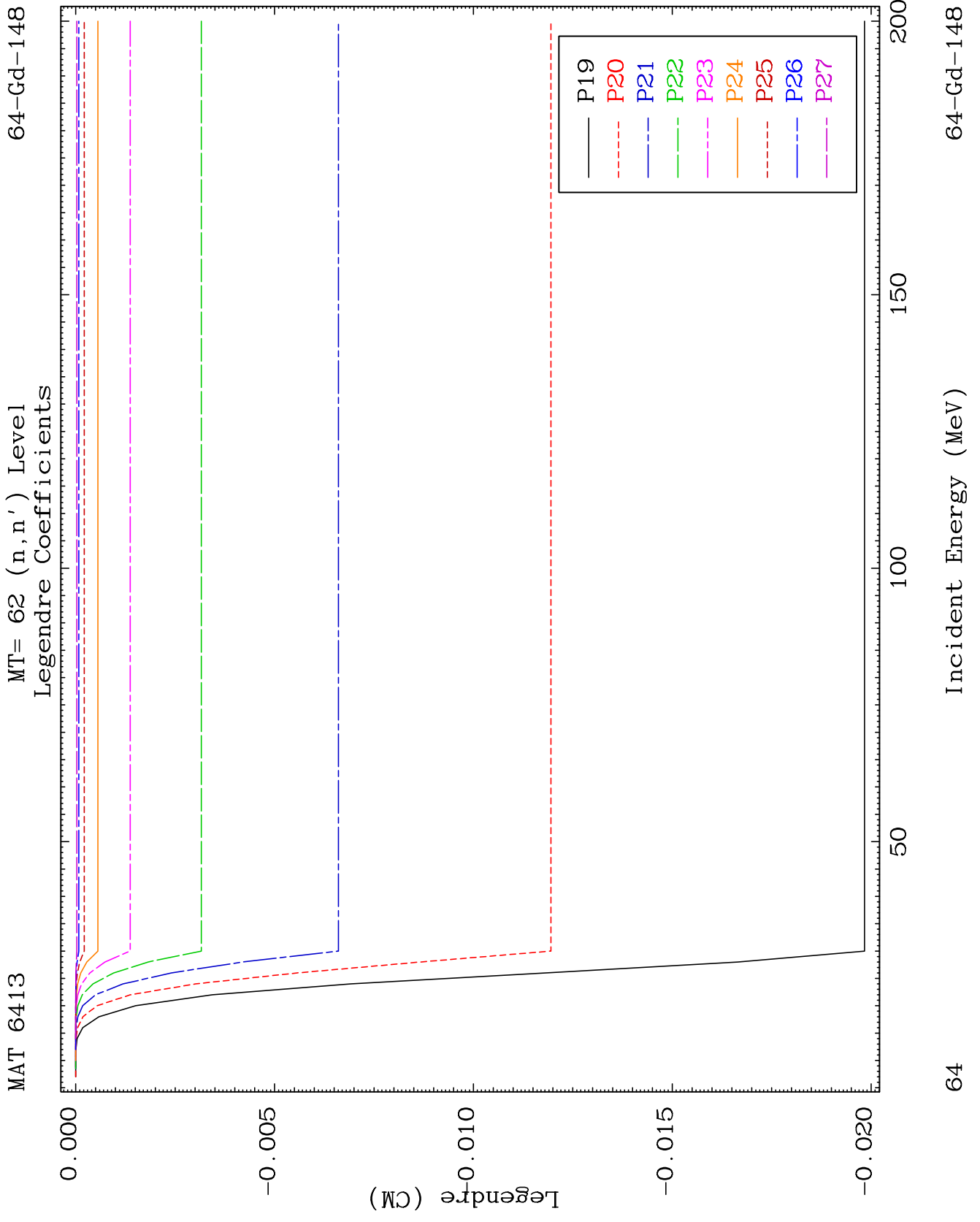
64-Gd-148



63

Incident Energy (MeV)

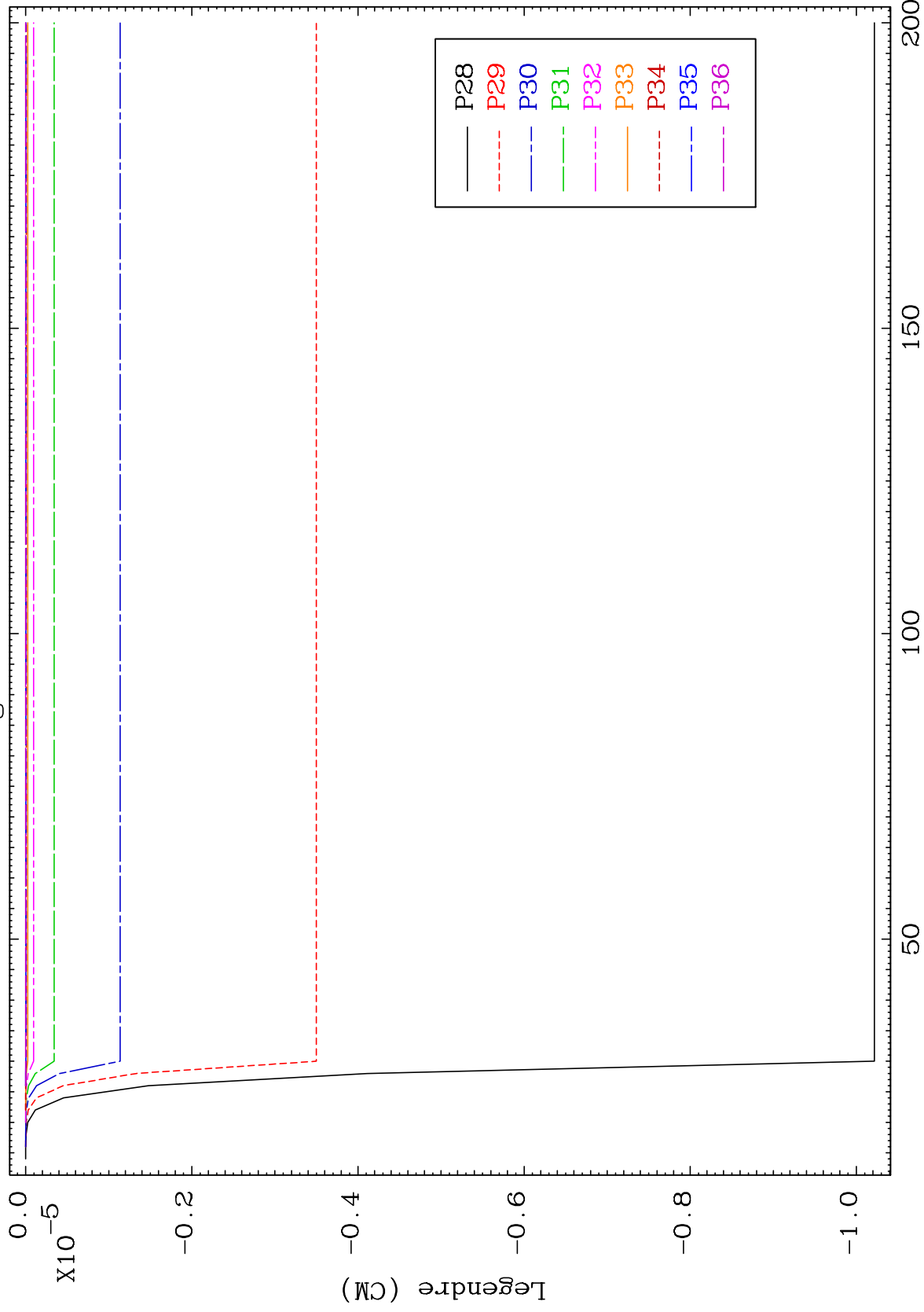
64-Gd-148



MAT 6413

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

64-Gd-148



65

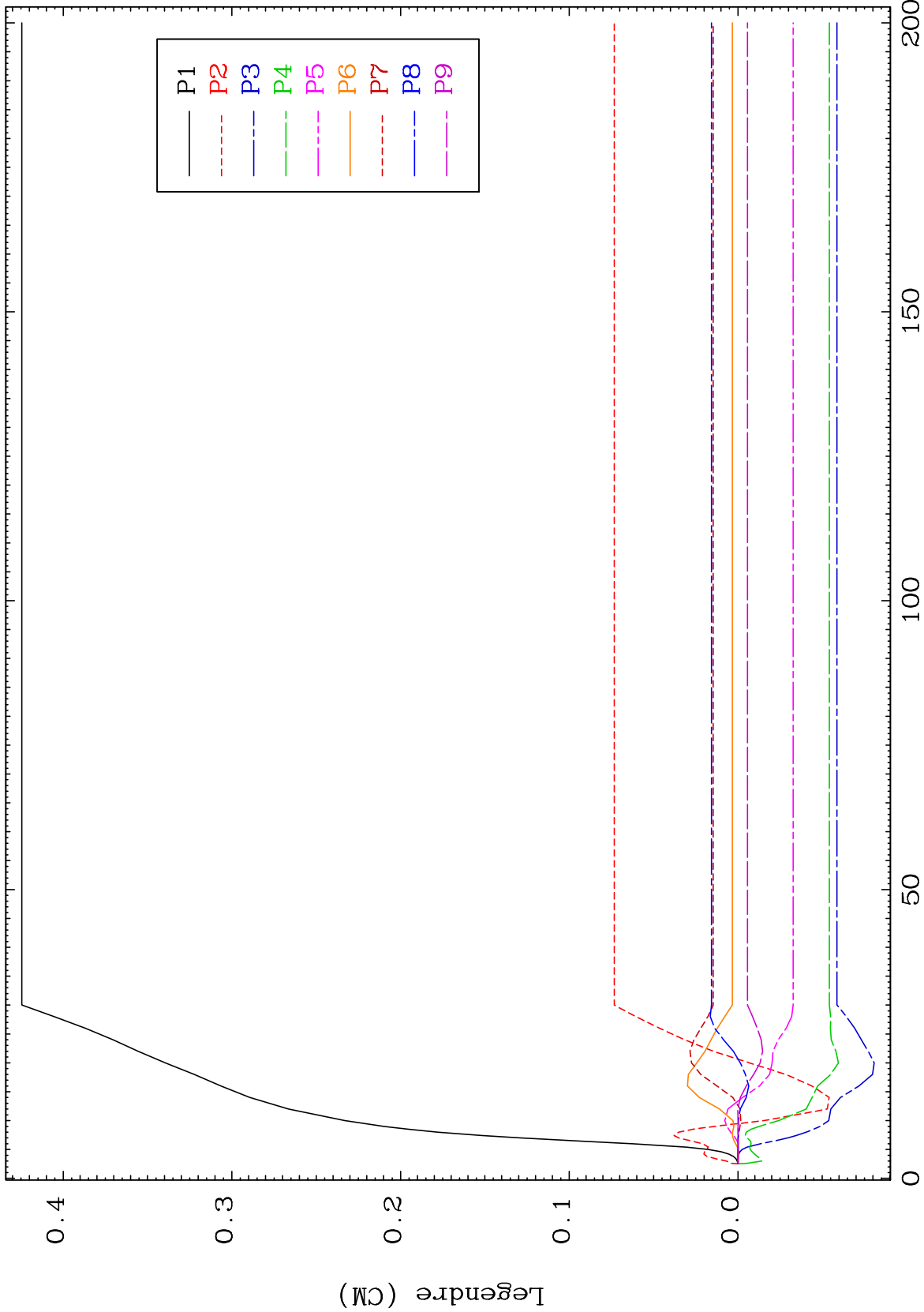
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



66

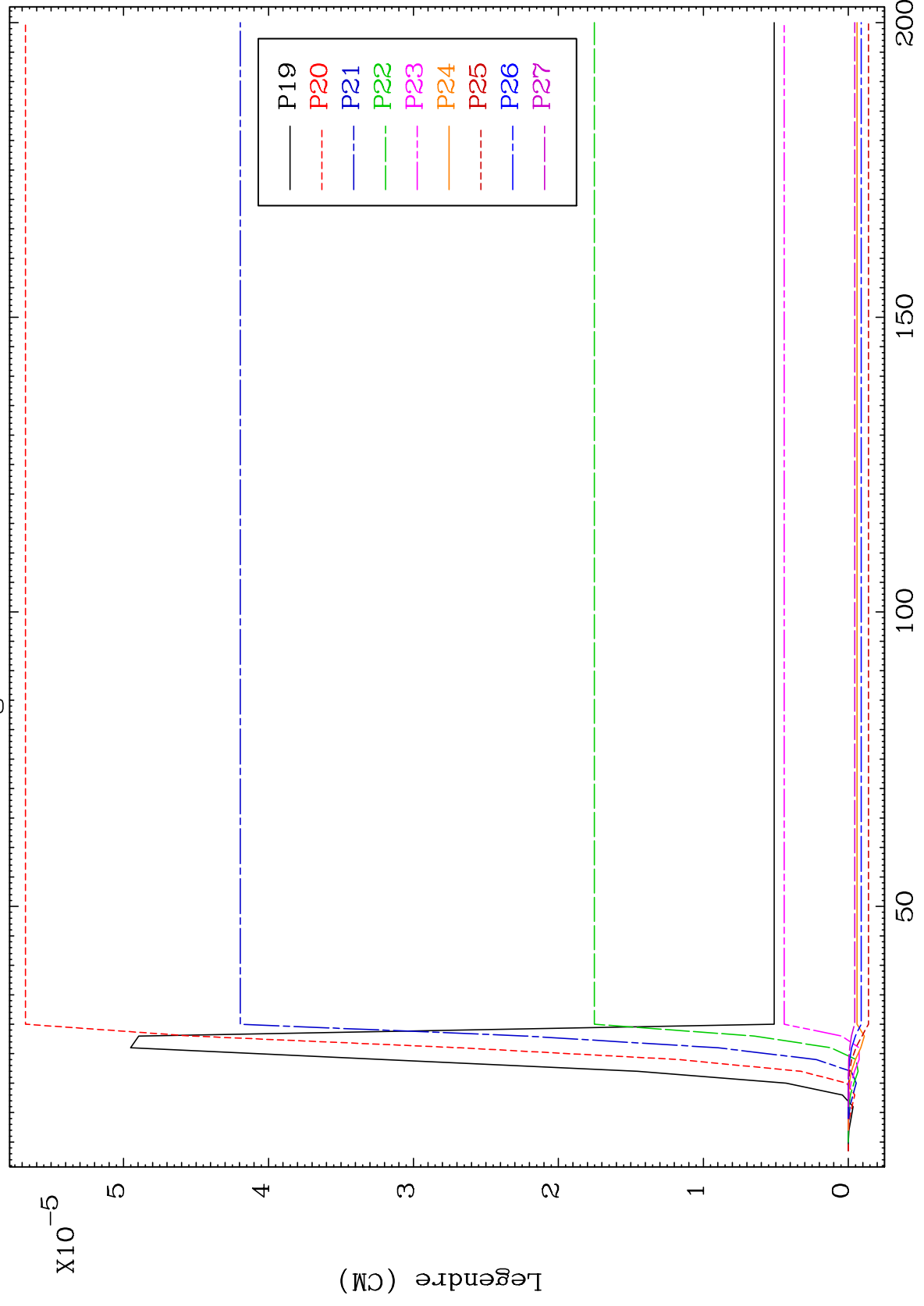
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148

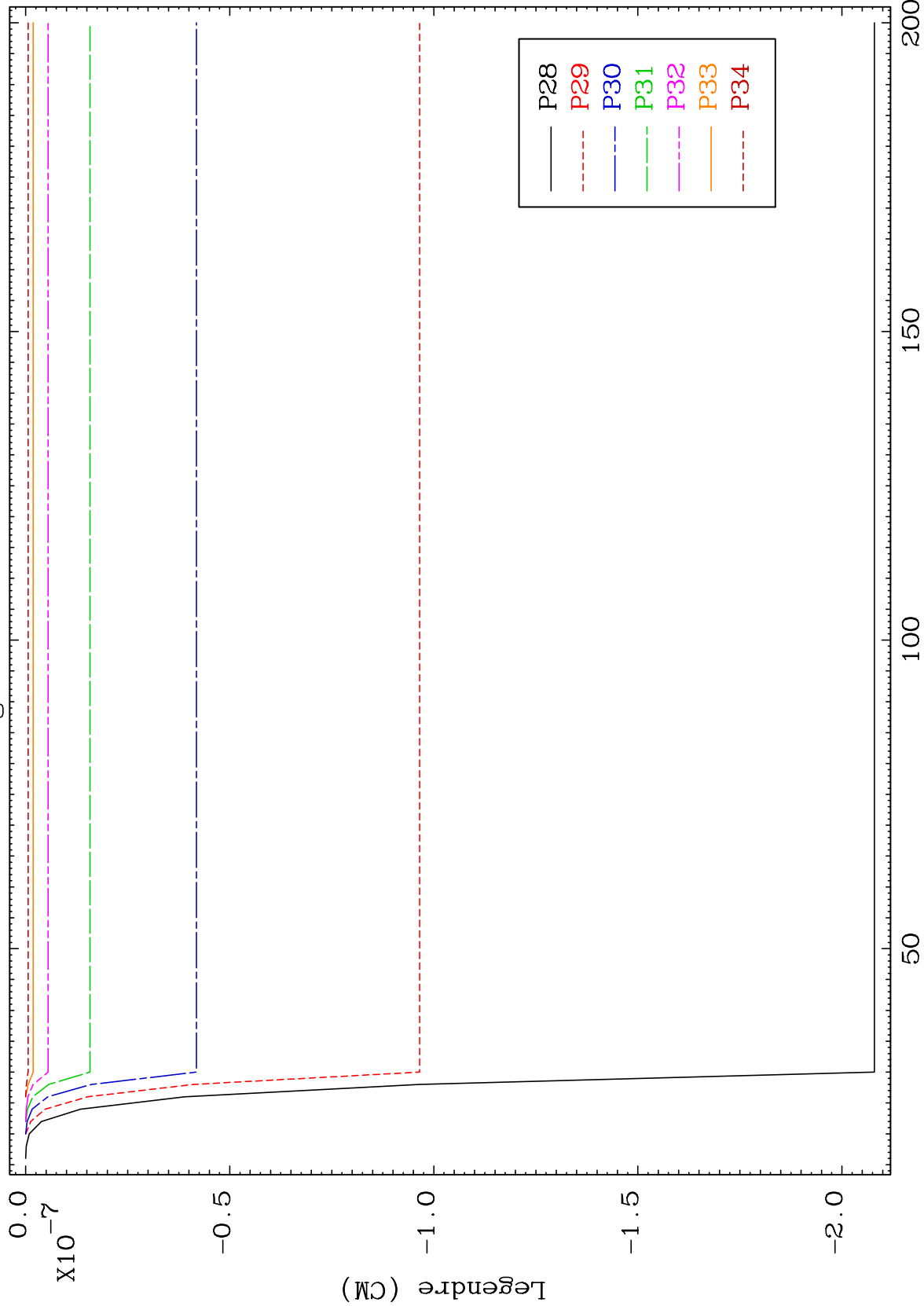


68

64-Gd-148

64-Gd-148

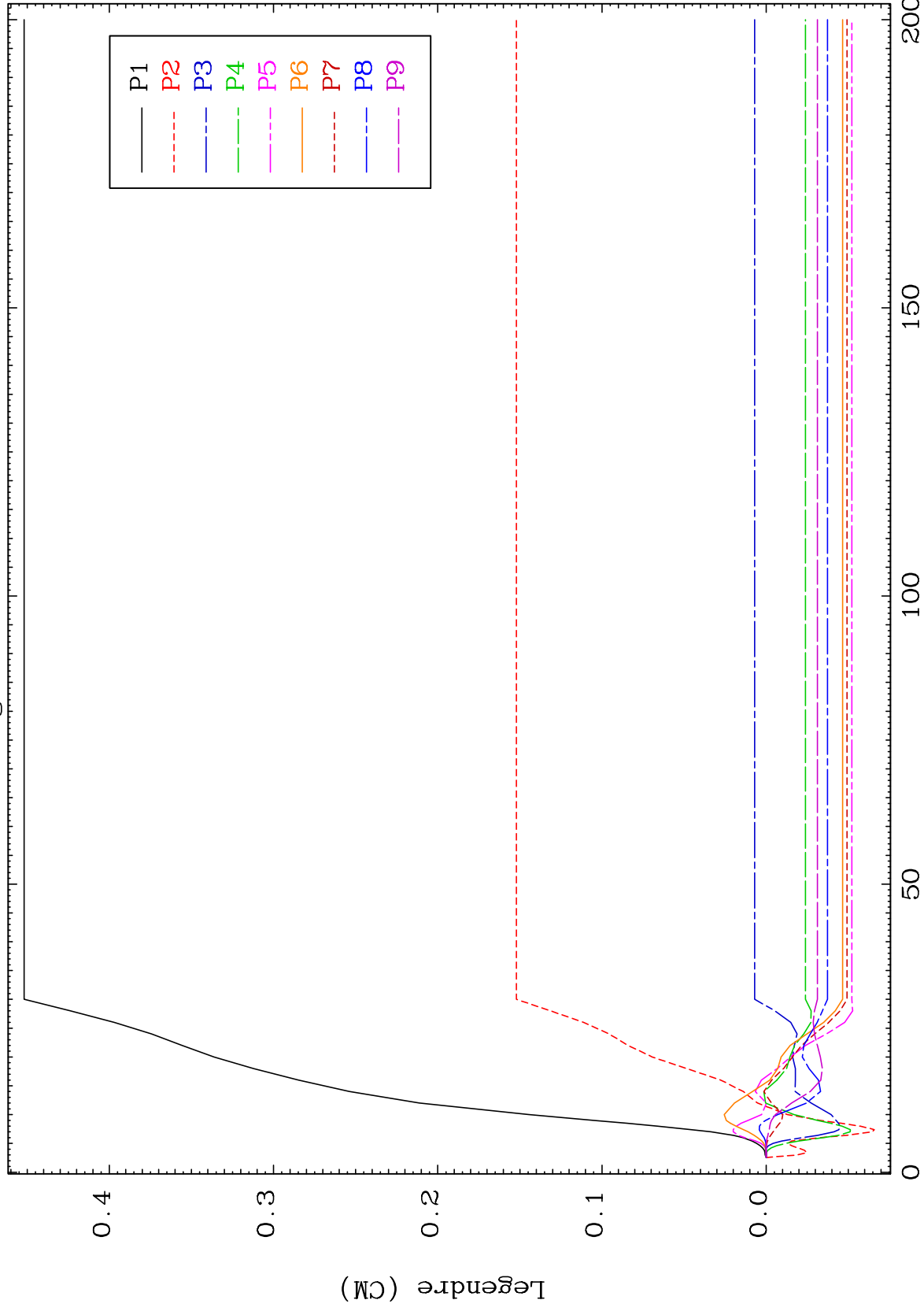
Legendre Coefficients



MAT 6413

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

64-Gd-148



64-Gd-148

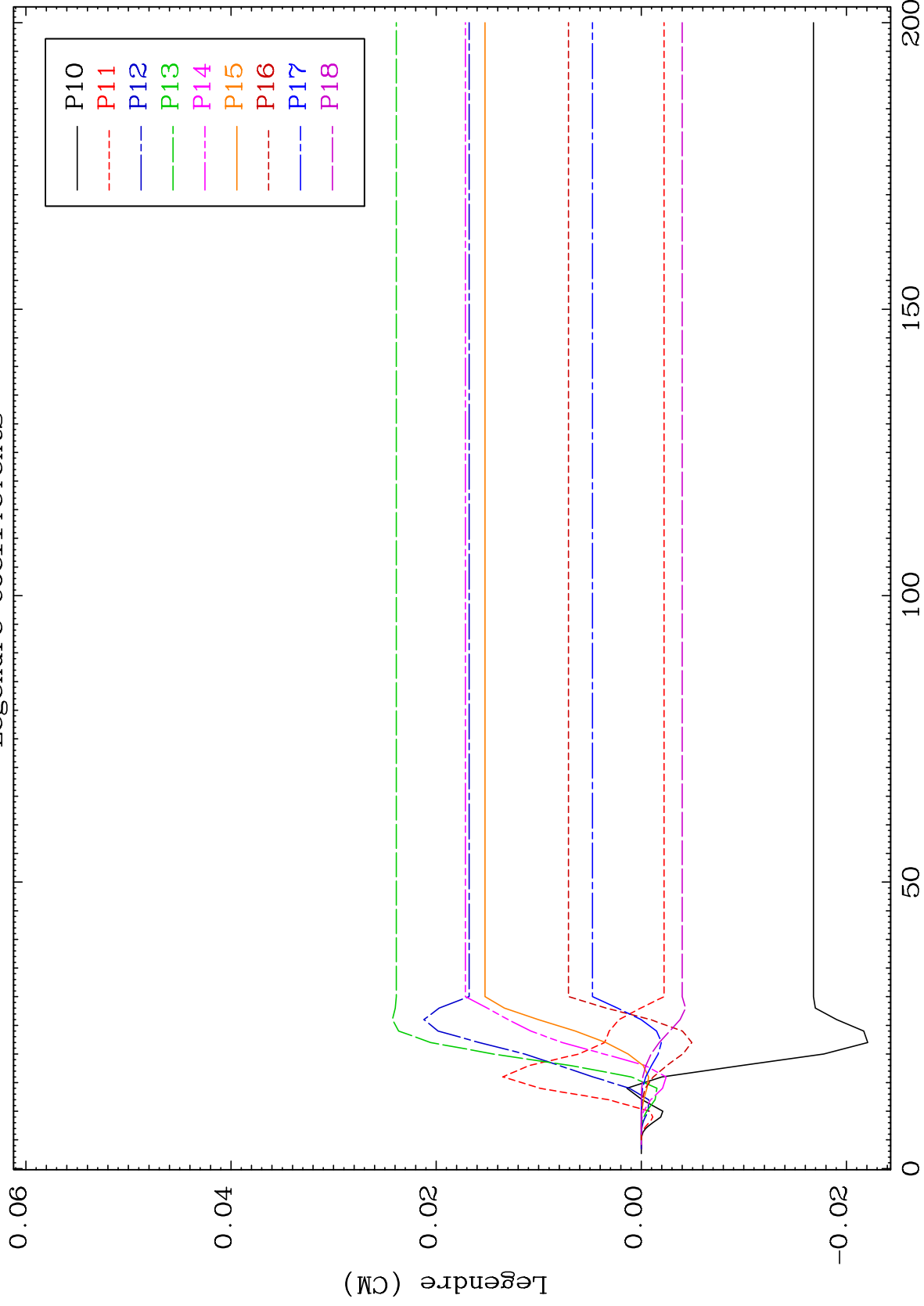
Incident Energy (MeV)

70

MAT 6413

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

64-Gd-148



71

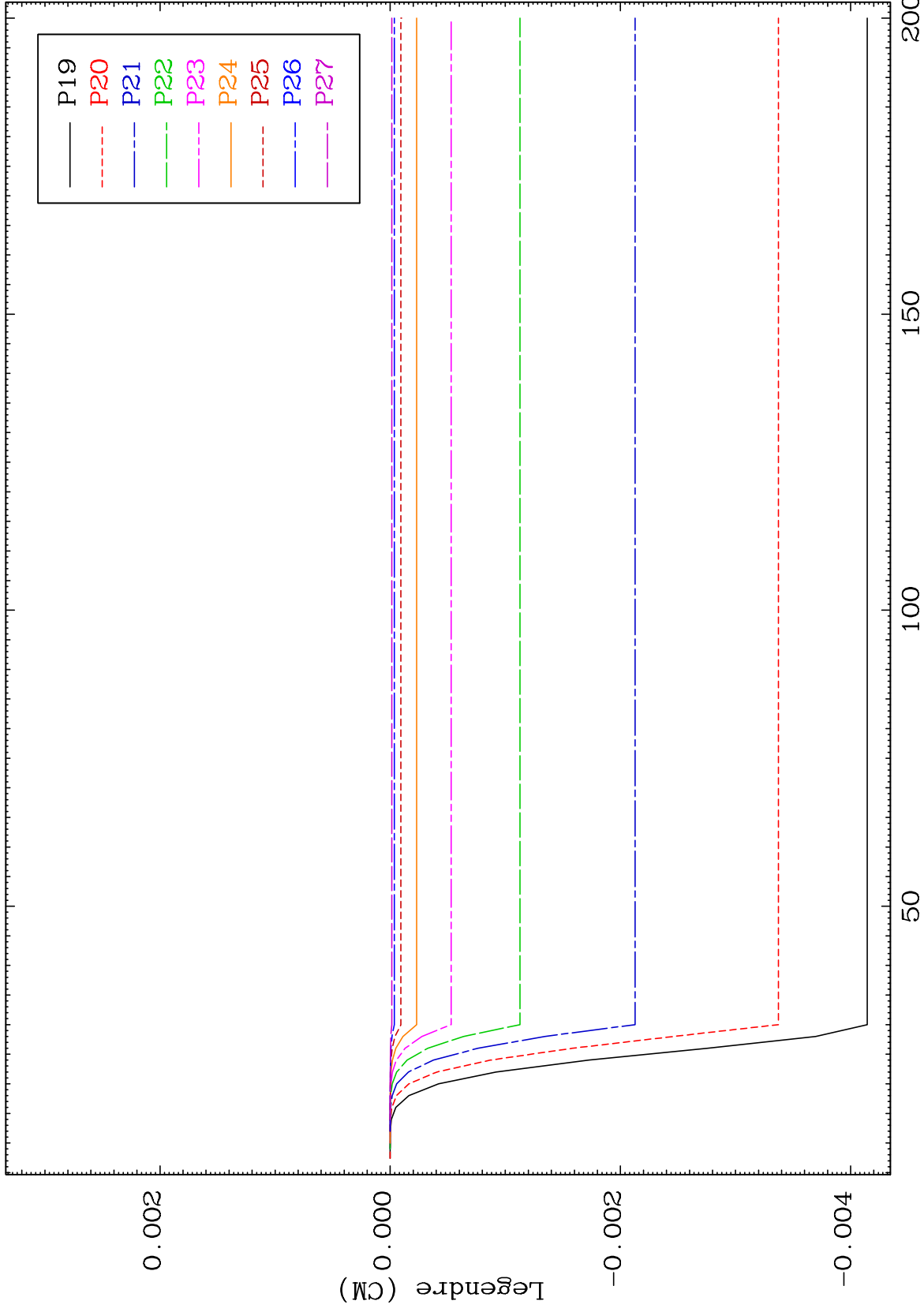
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



72

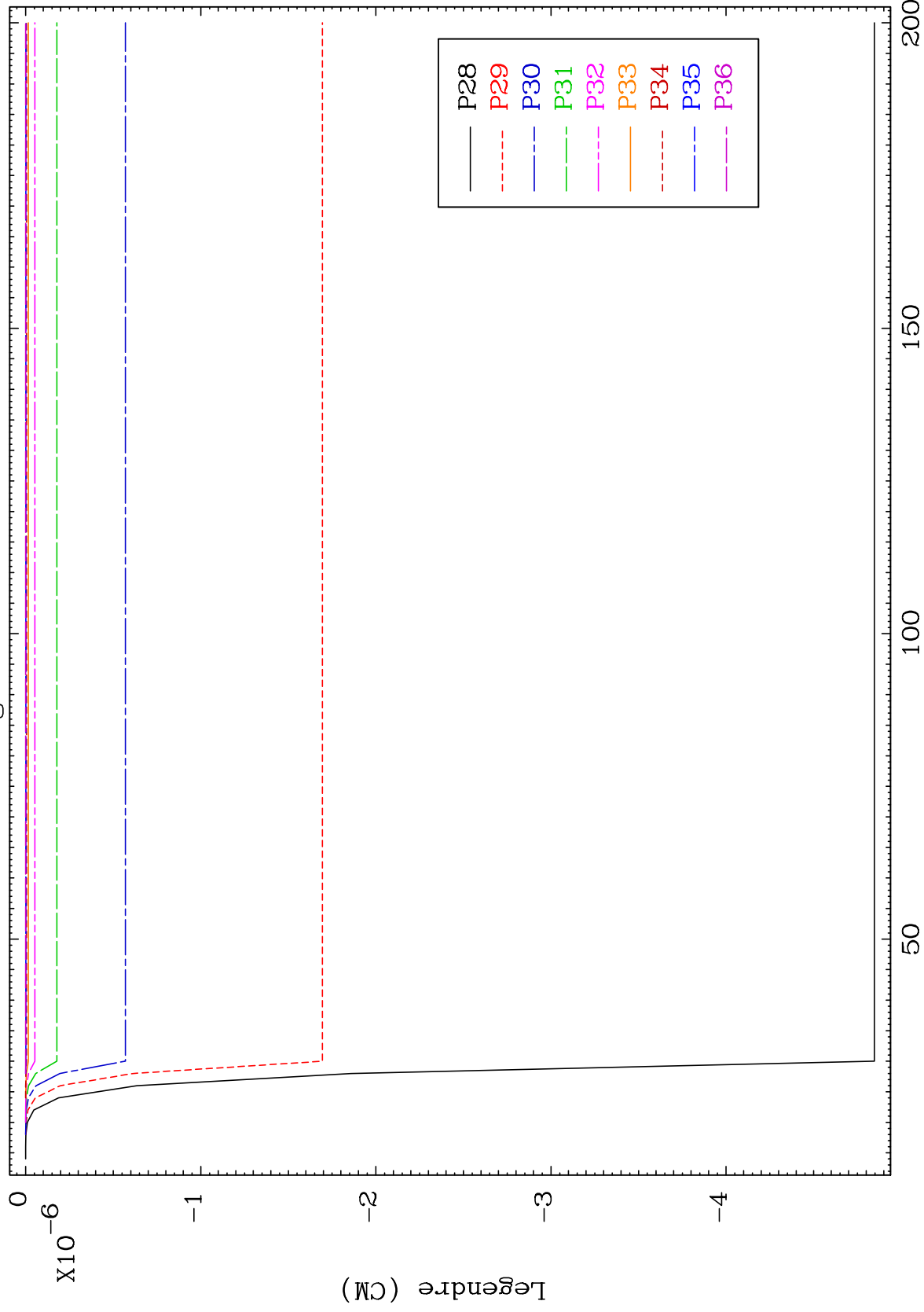
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



73

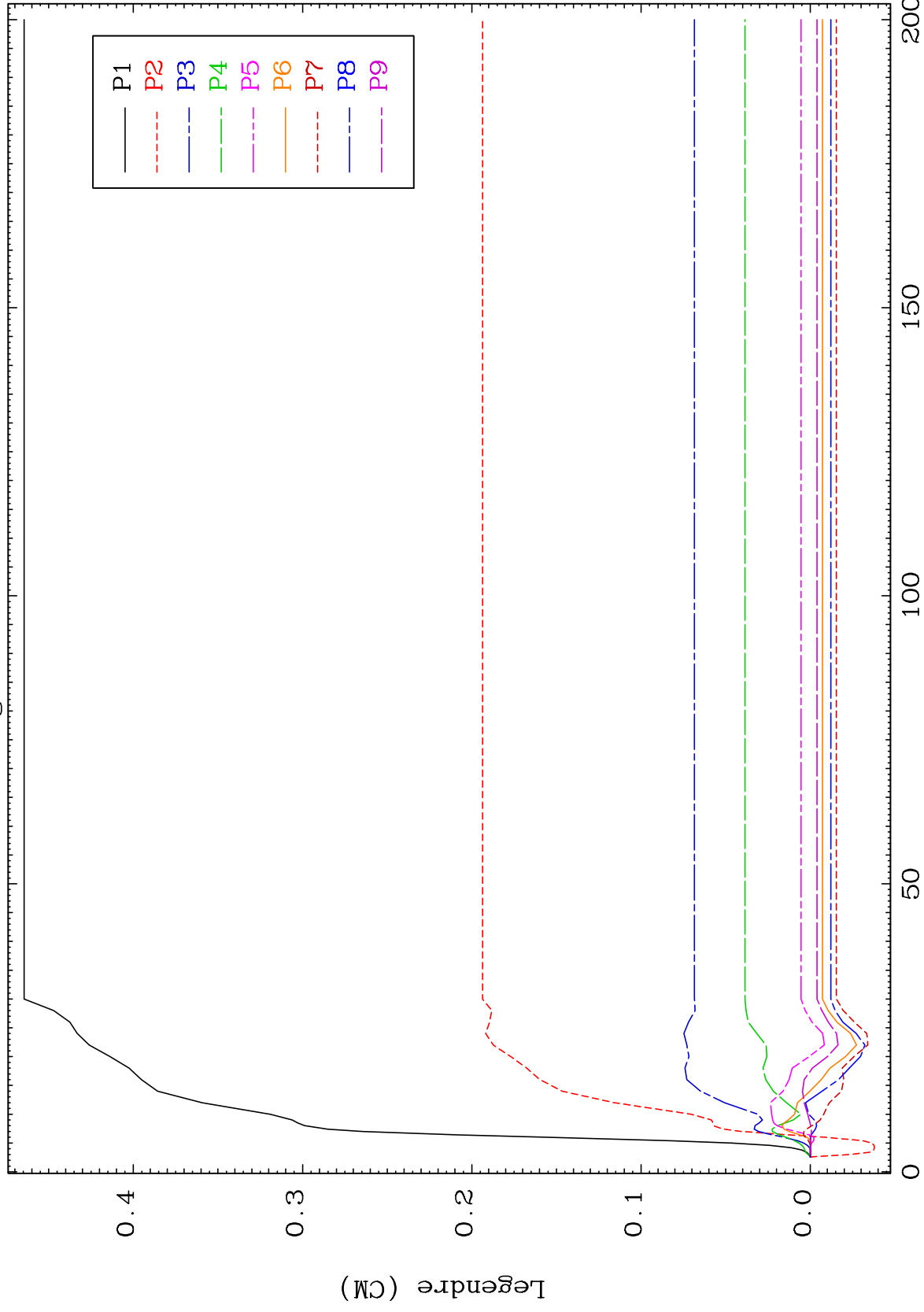
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



74

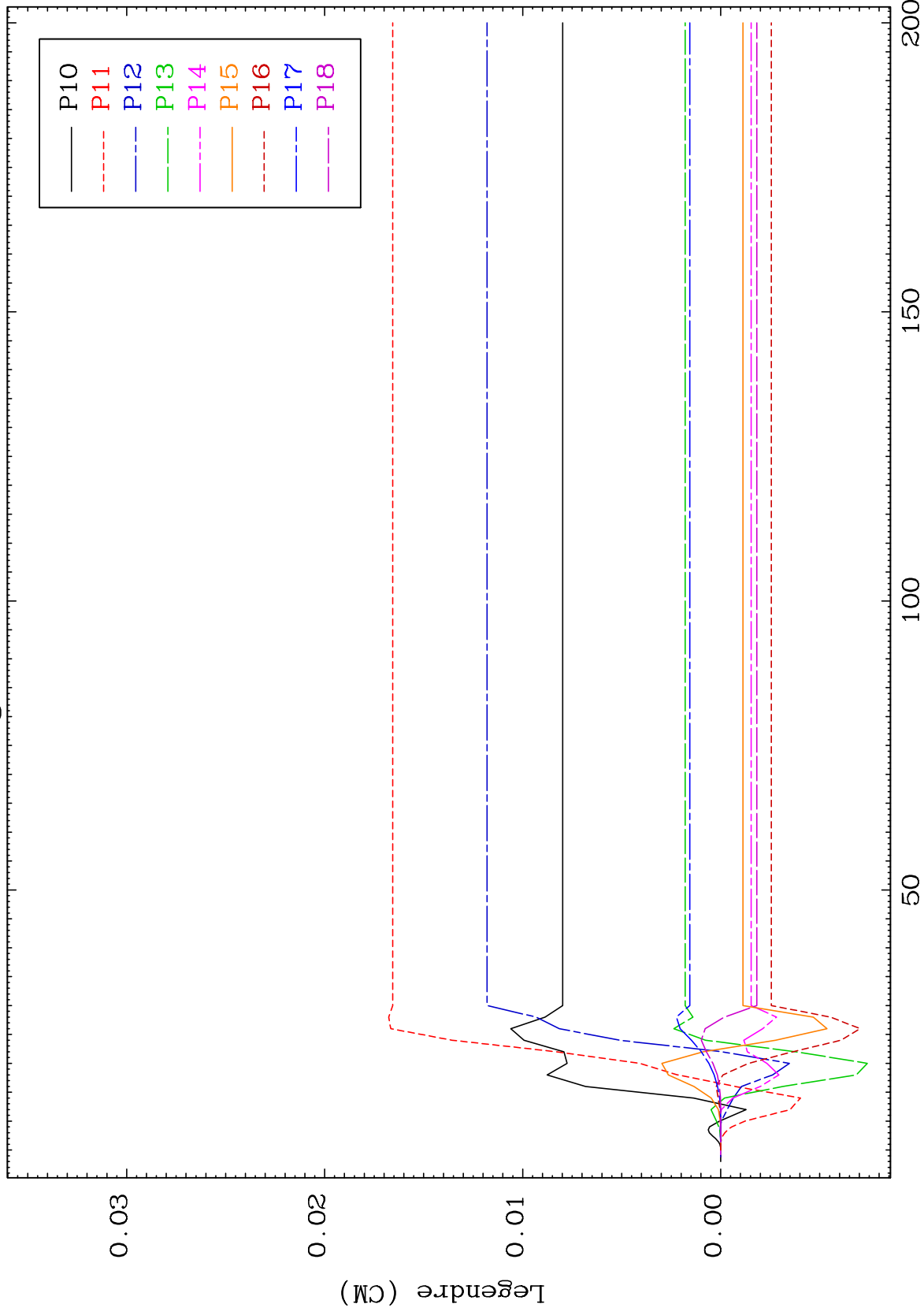
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



75

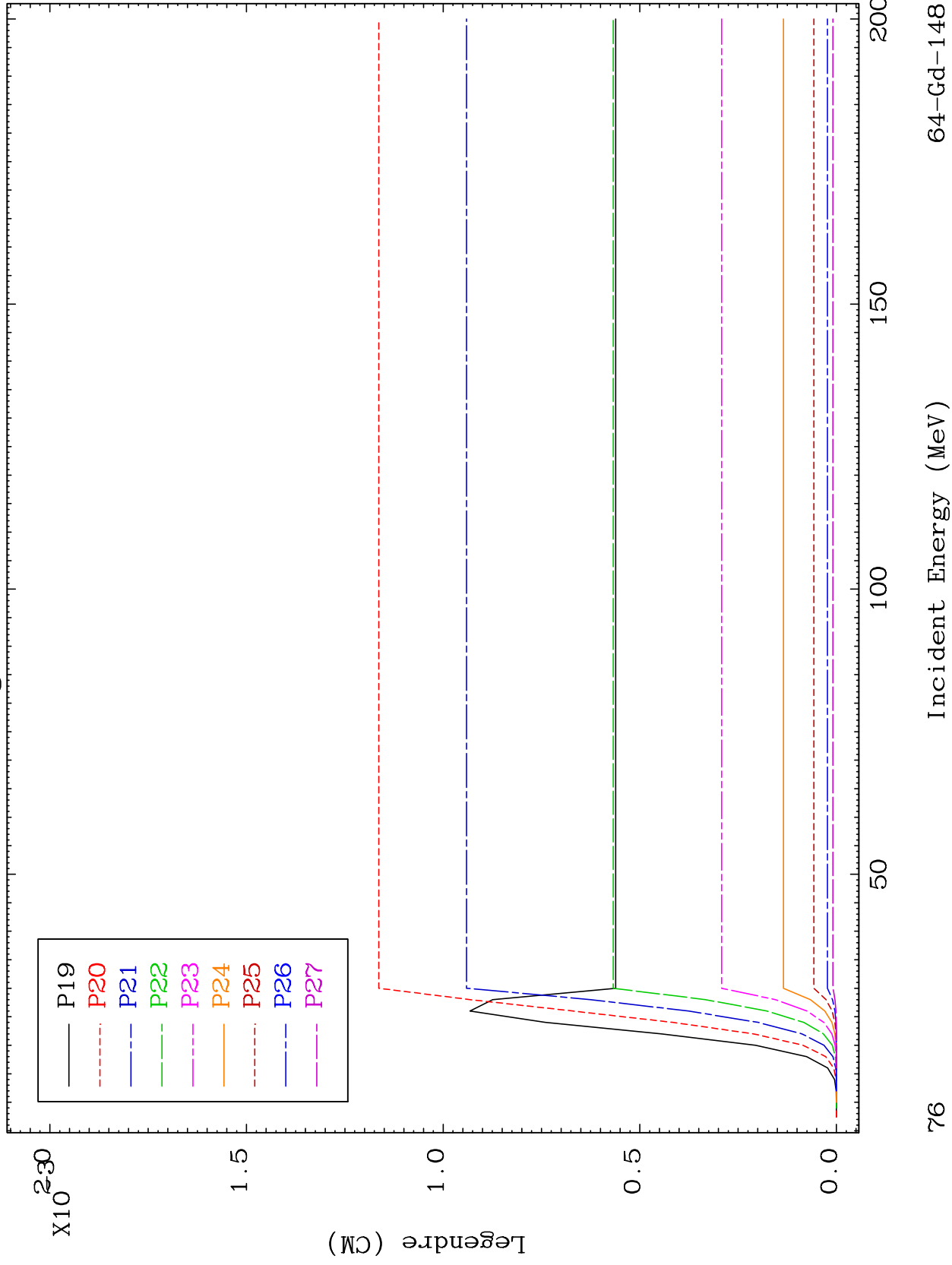
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



76

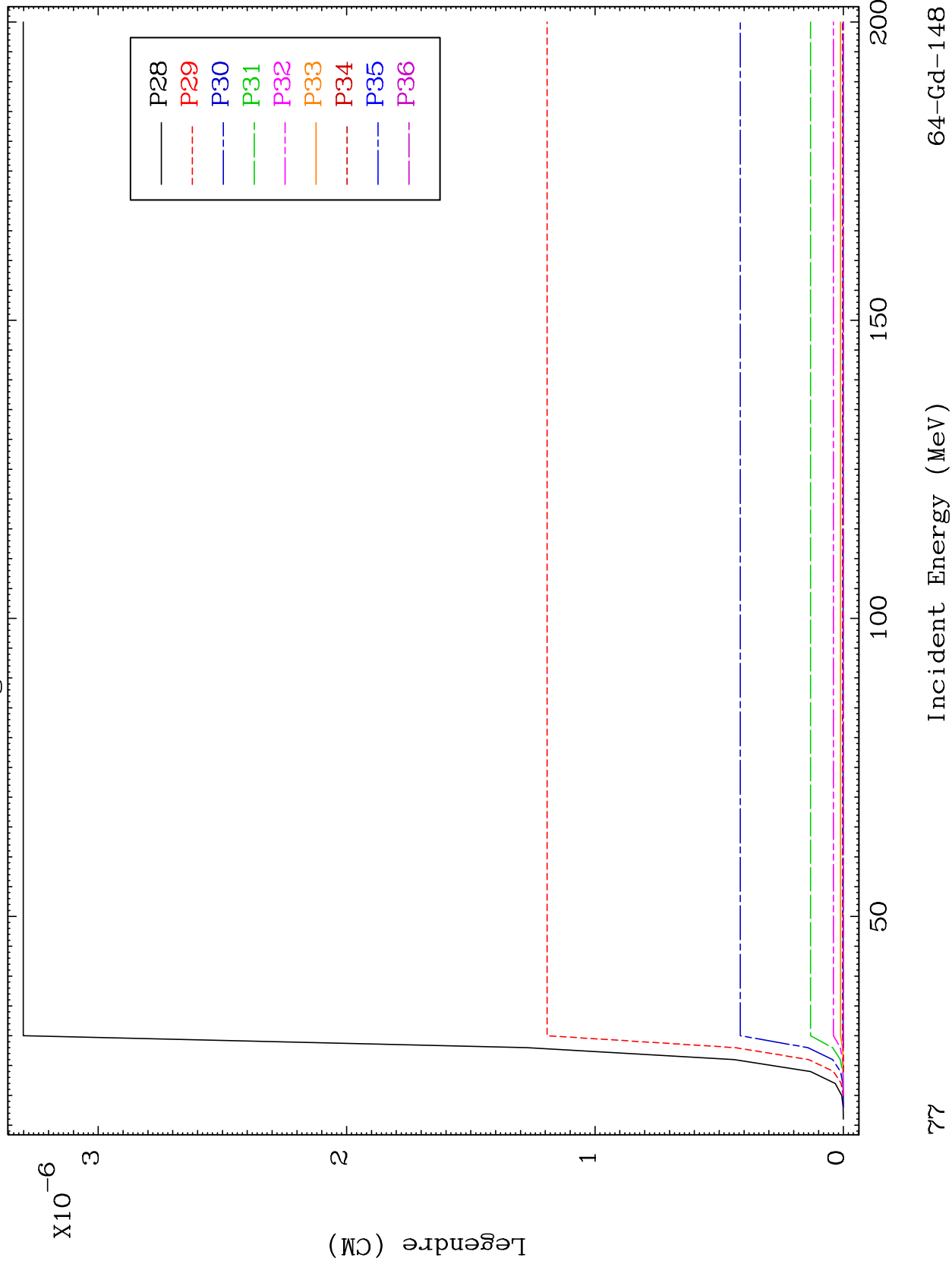
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

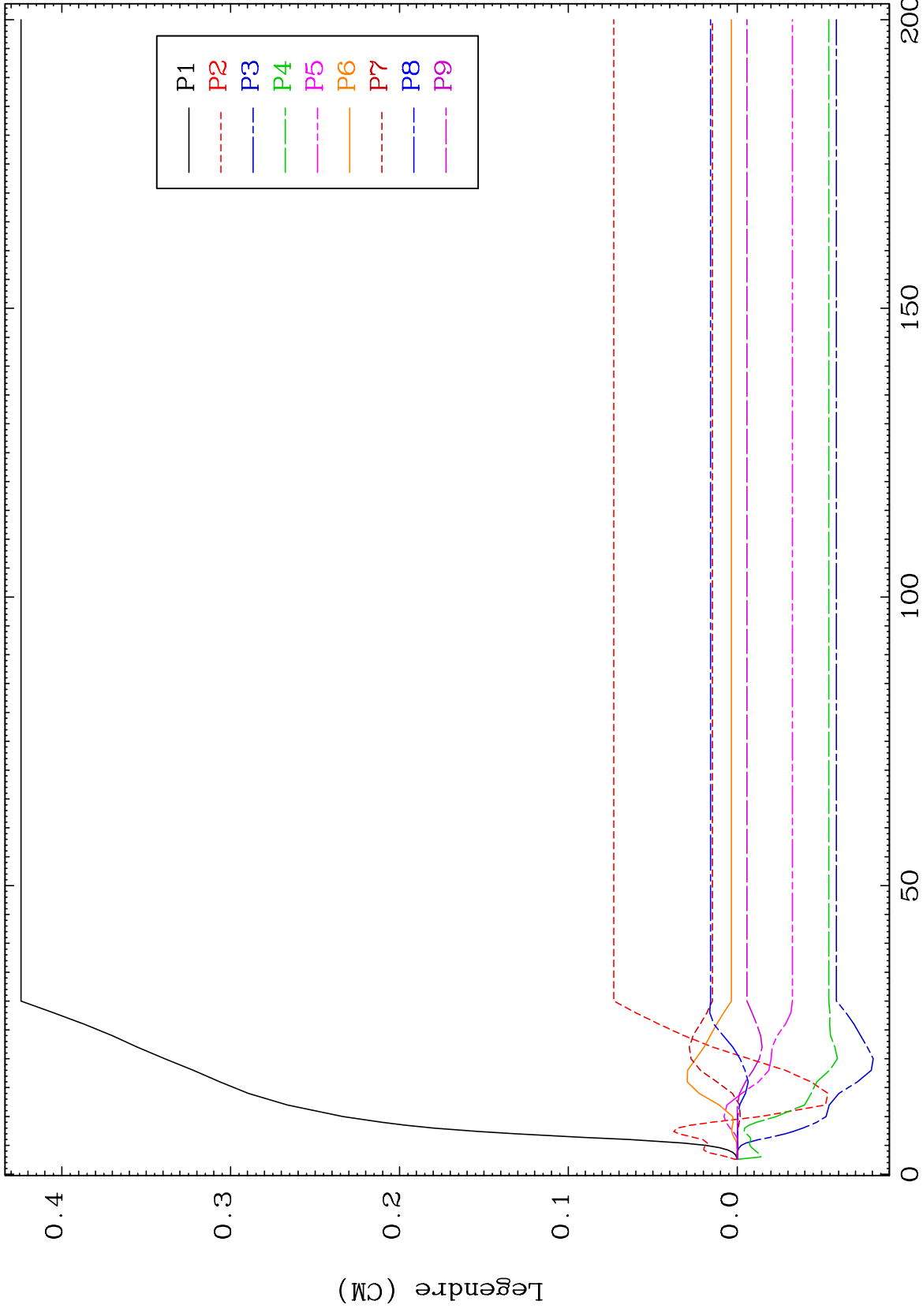
64-Gd-148



MAT 6413

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

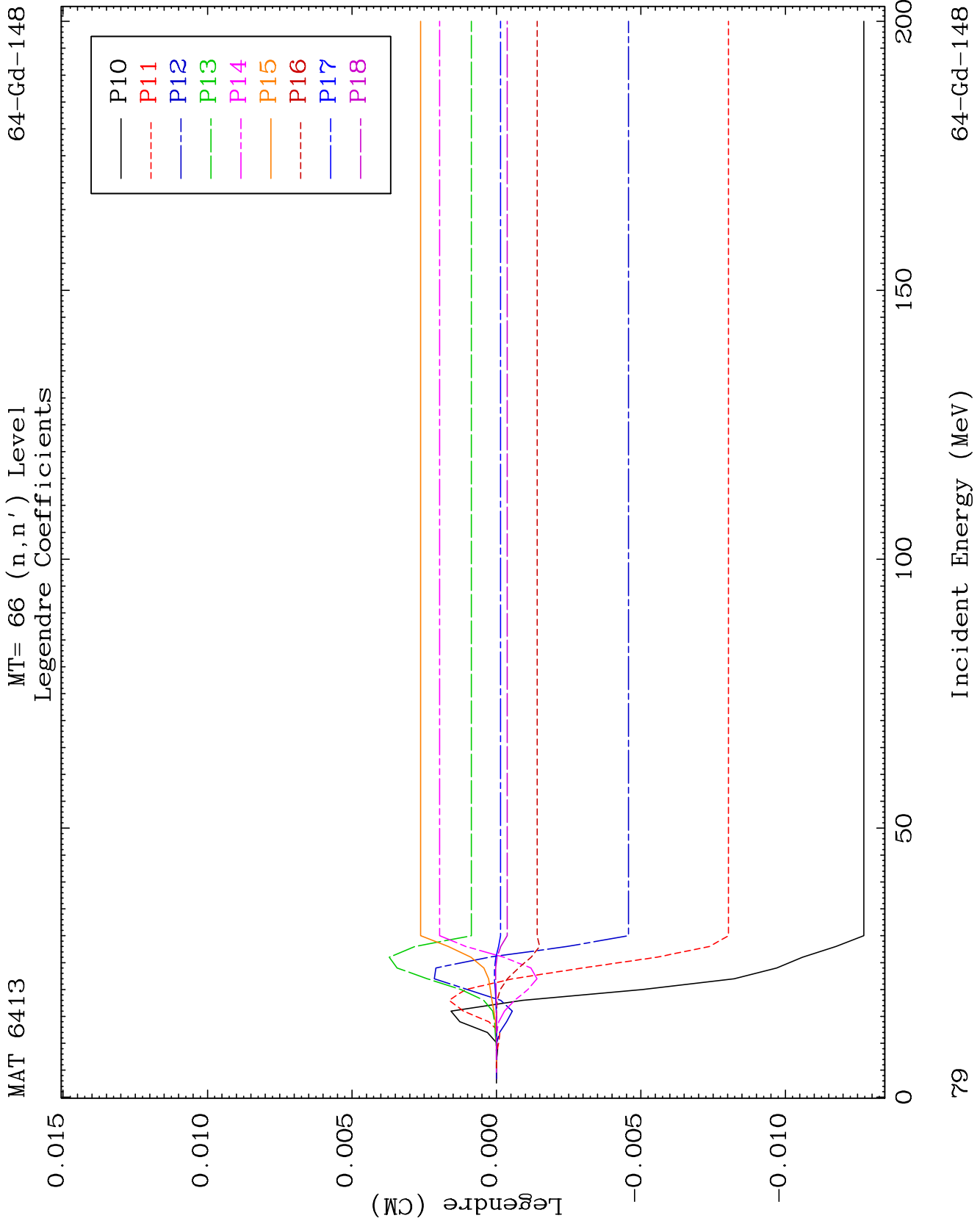
64-Gd-148



78

Incident Energy (MeV)

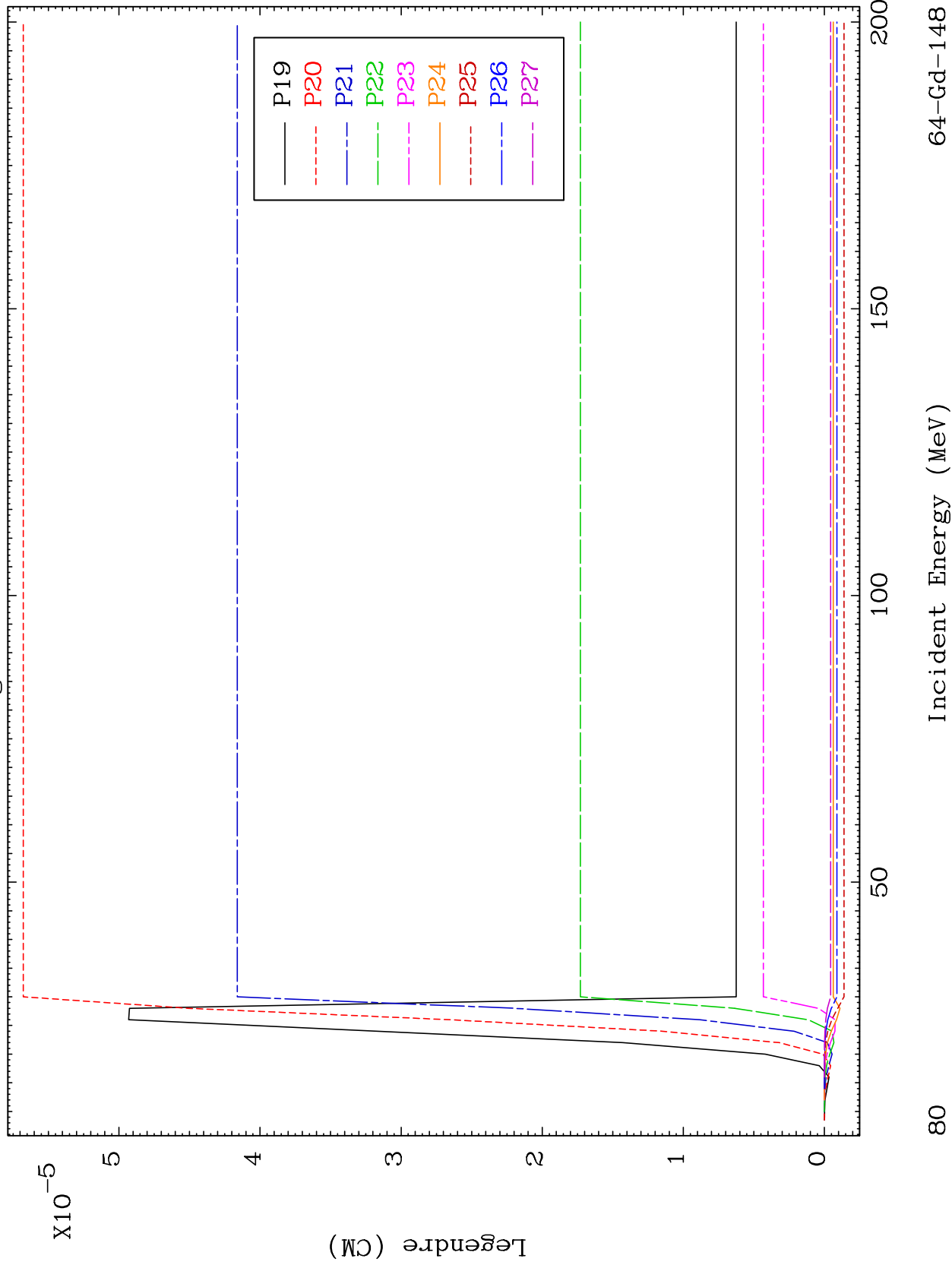
64-Gd-148



MAT 6413

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

64-Gd-148

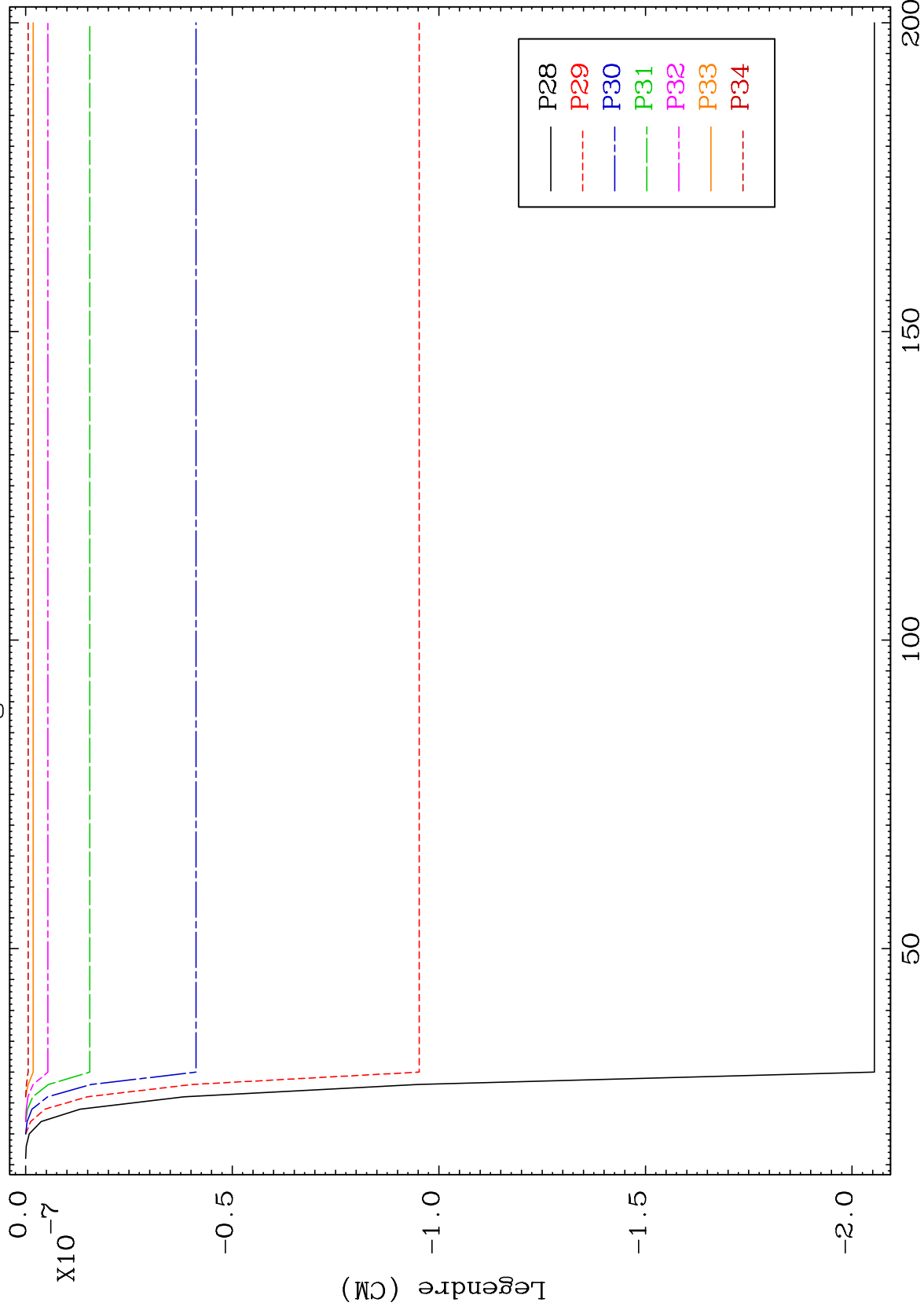


MAT 6413

MT= 66 (n,n') Level

64-Gd-148

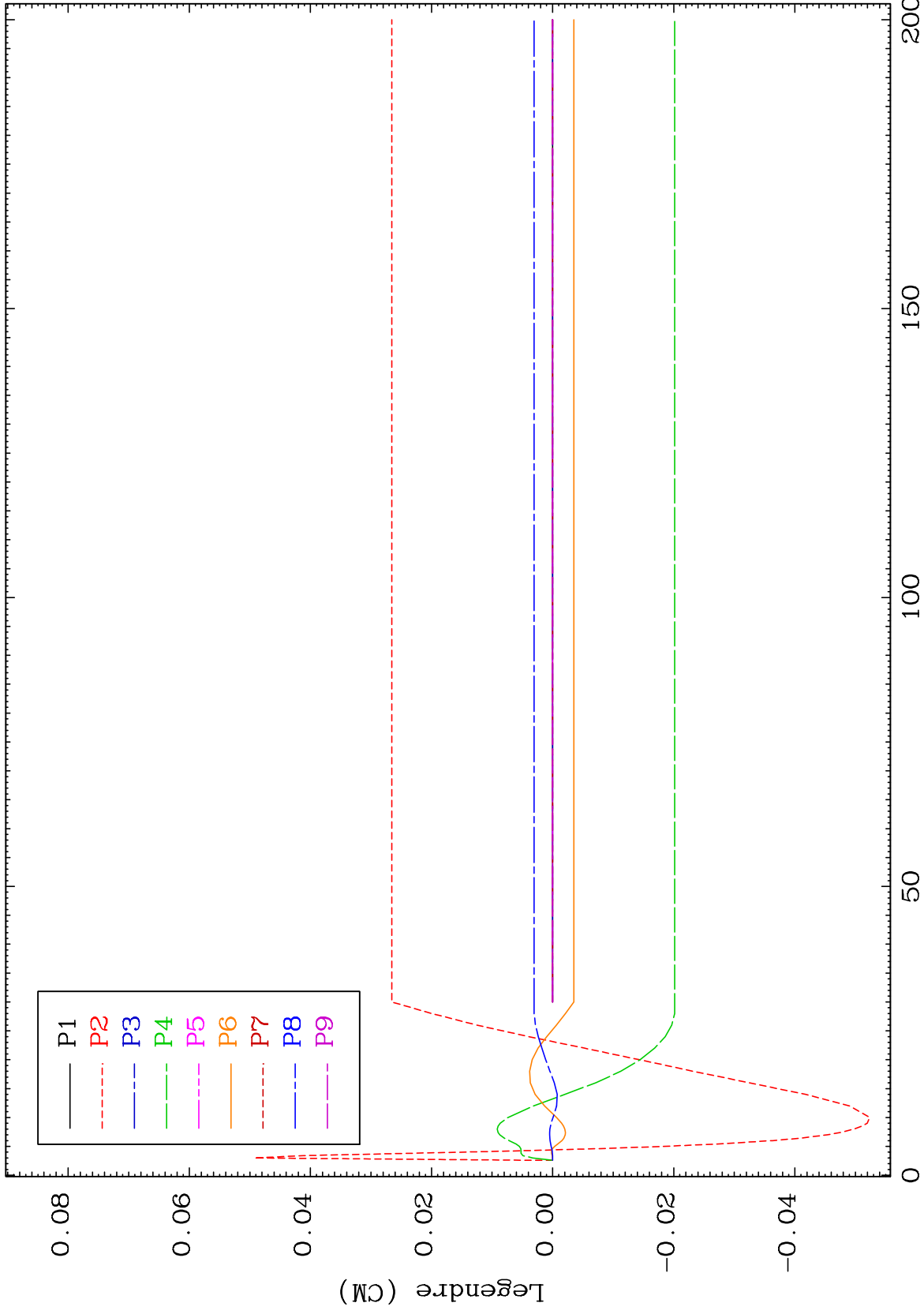
Legendre Coefficients



MAT 6413

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

64-Gd-148



82

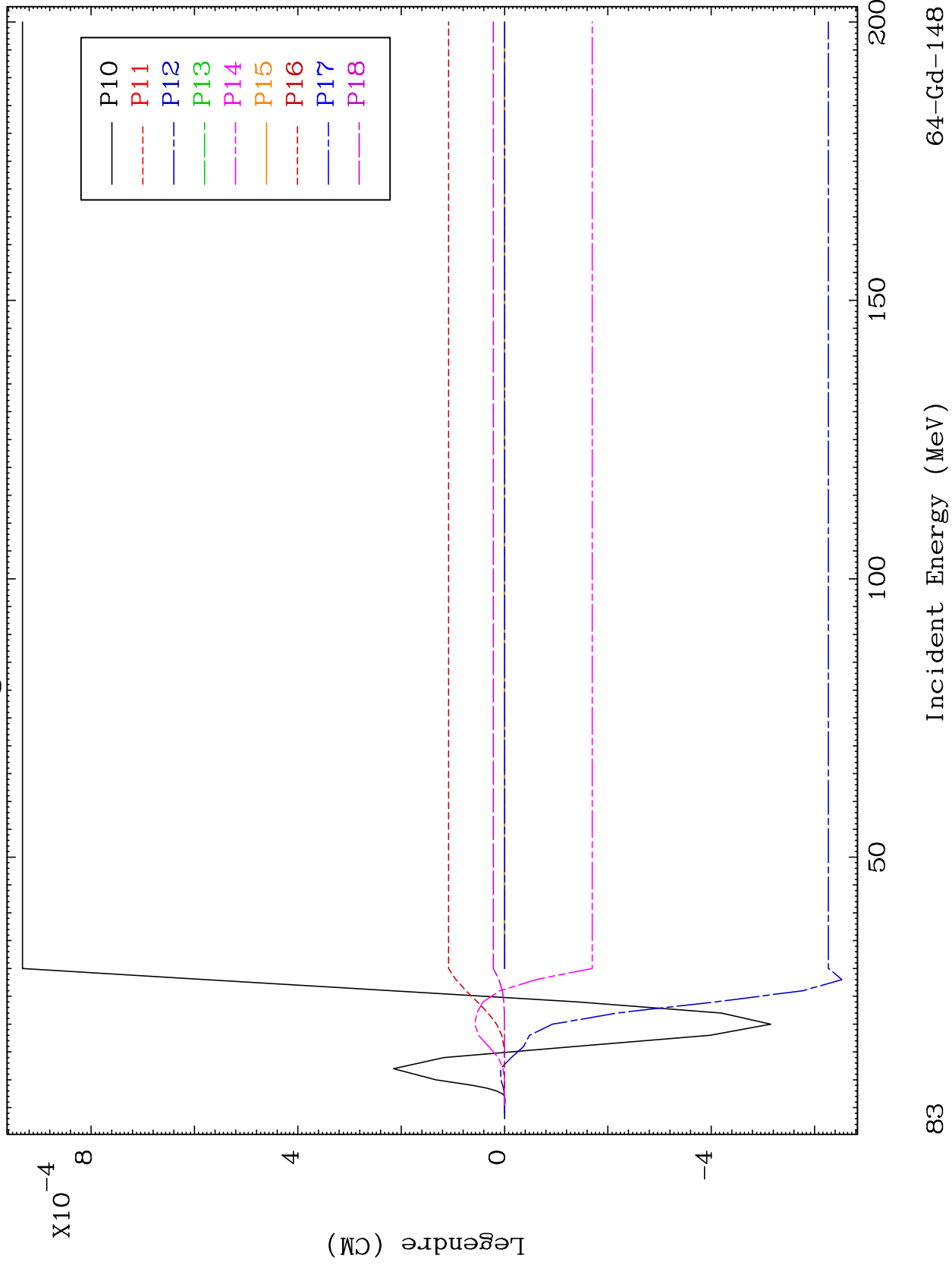
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

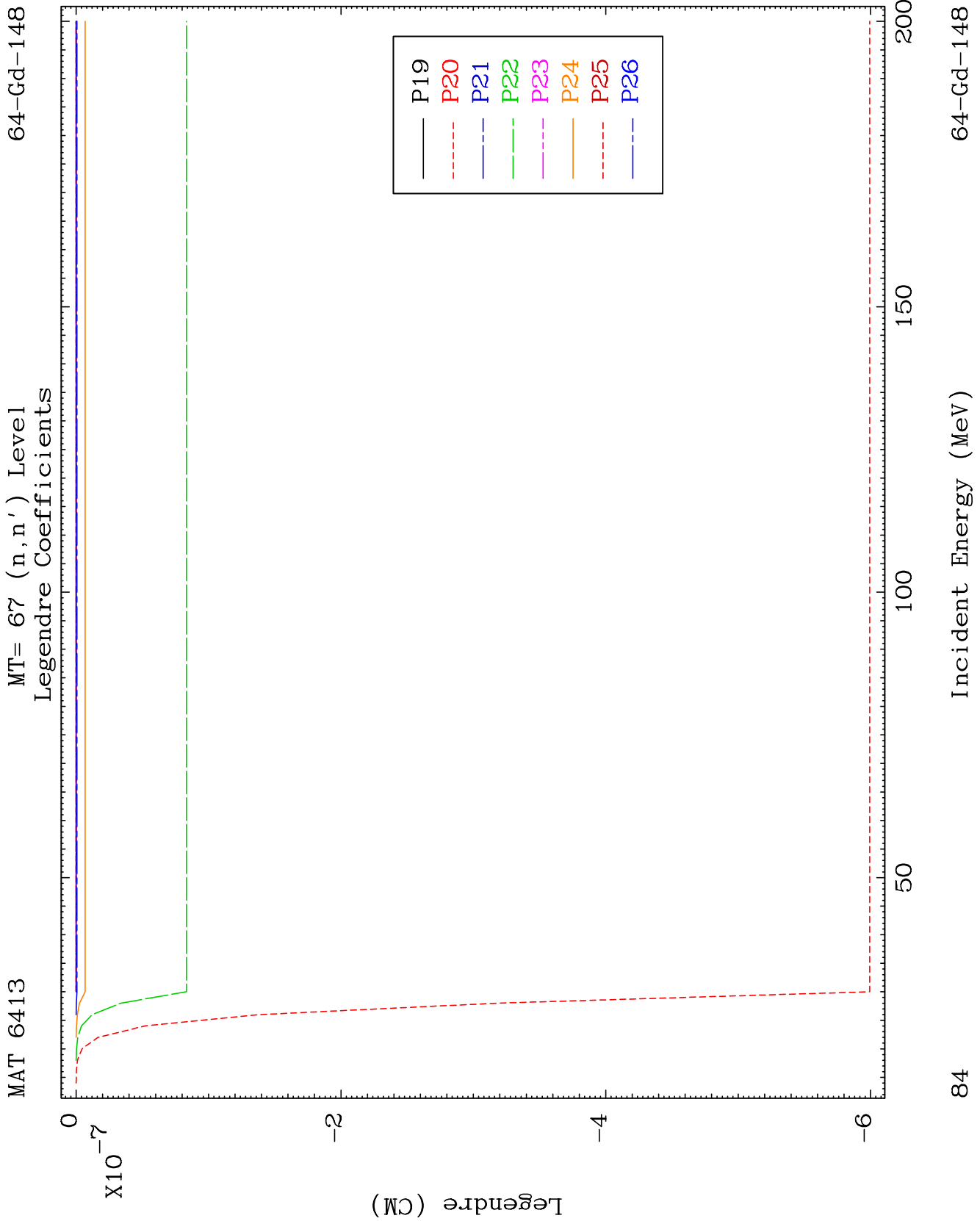
64-Gd-148

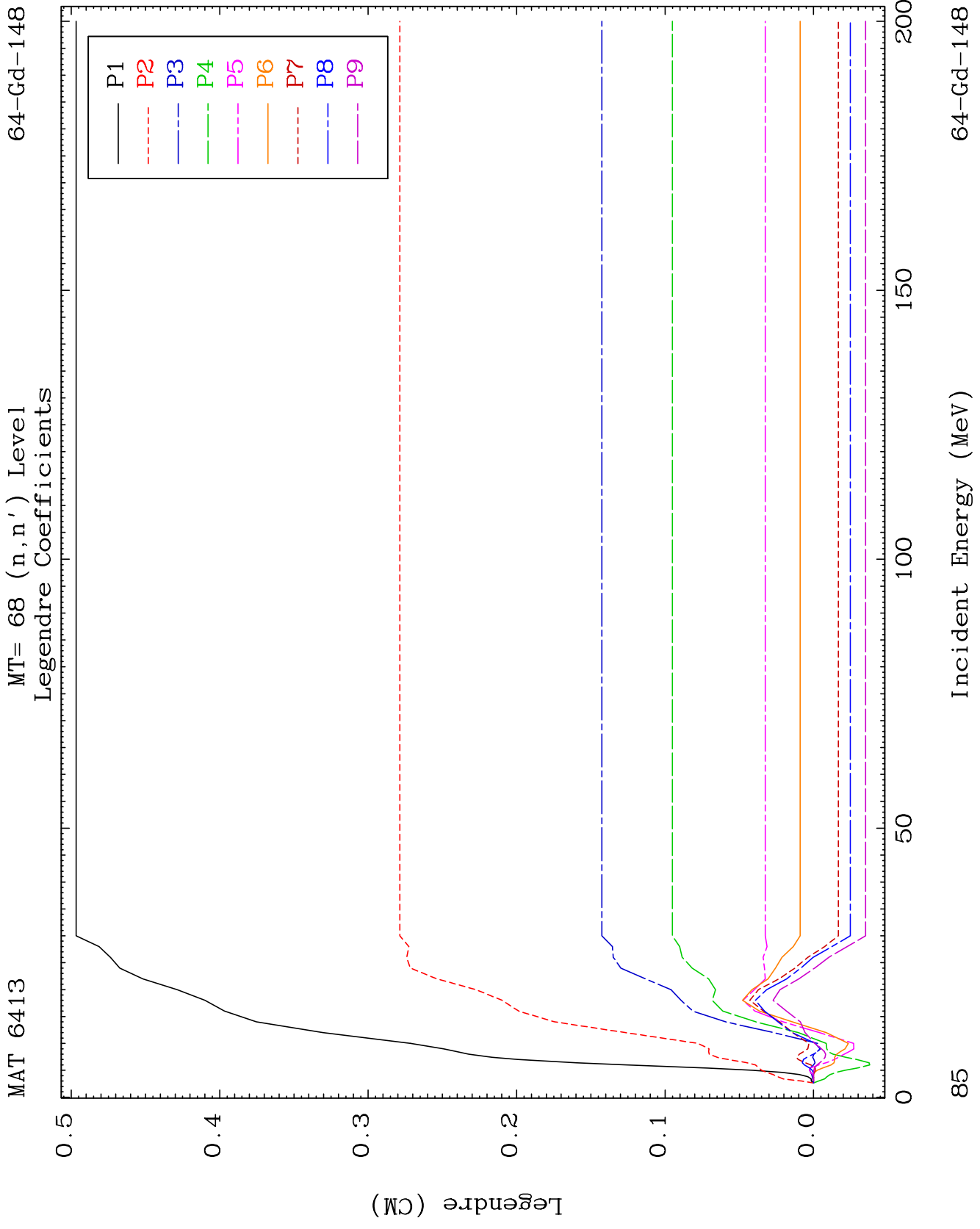


83

Incident Energy (MeV)

64-Gd-148

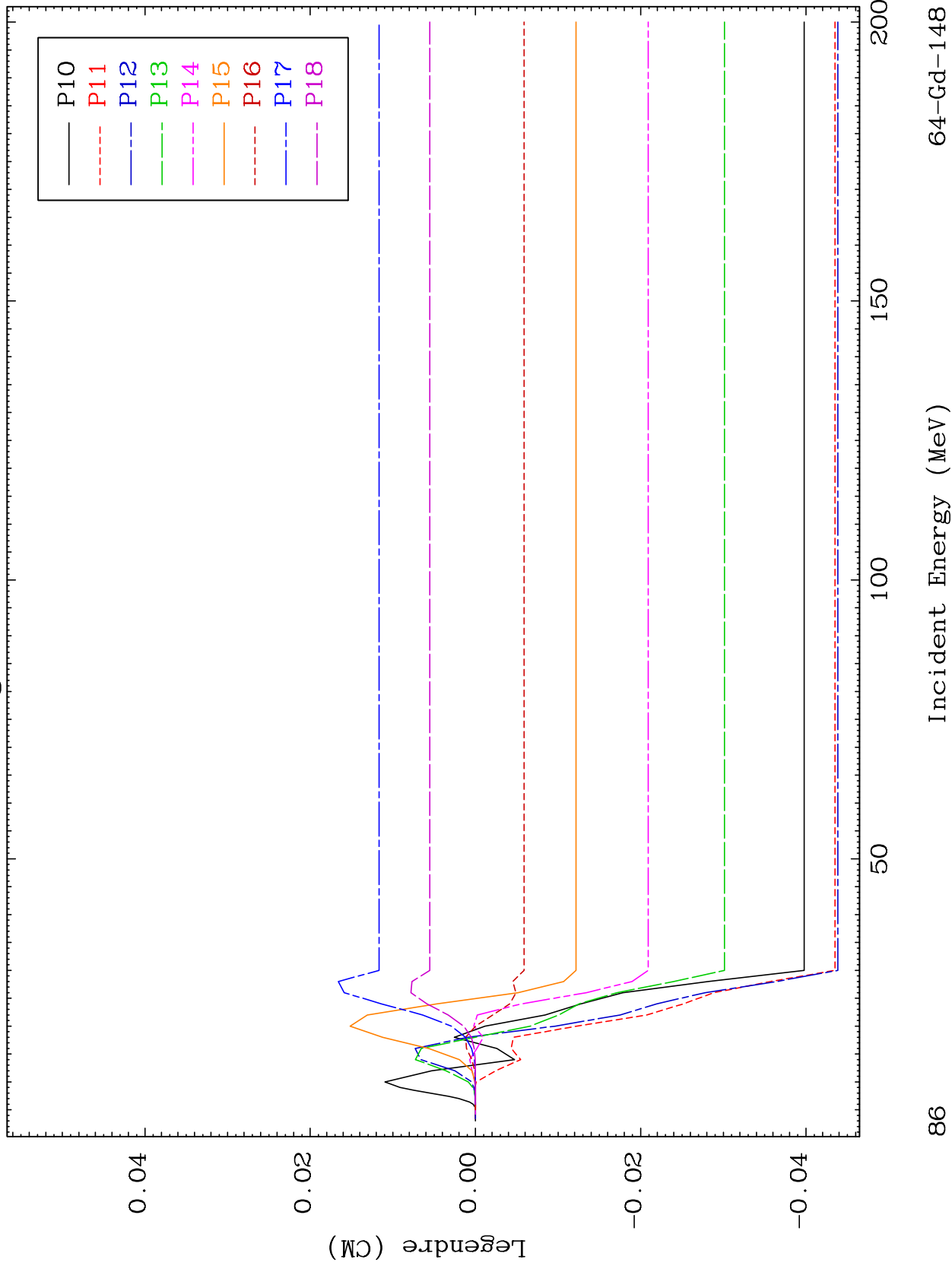




MAT 6413

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

64-Gd-148



86

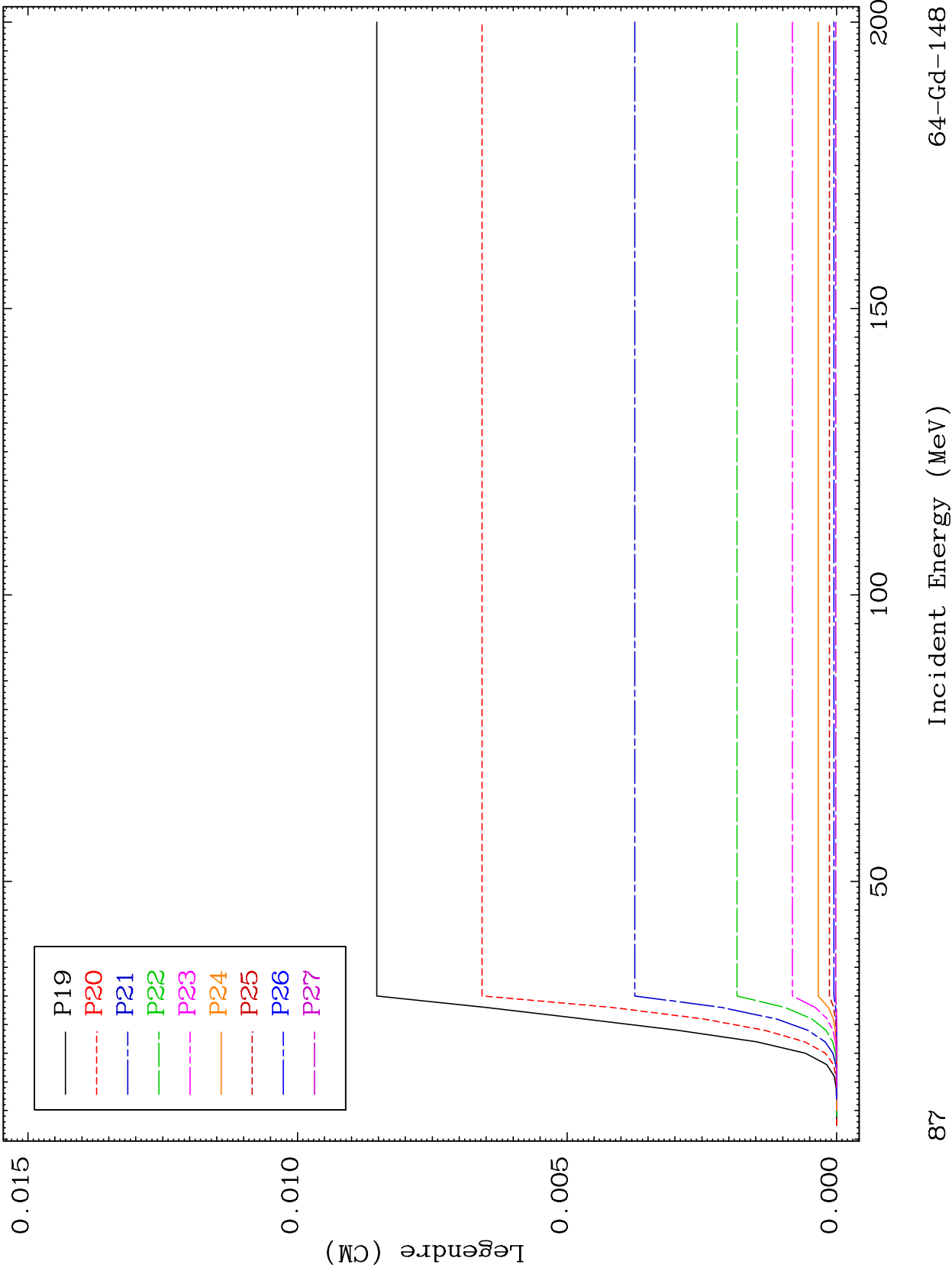
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



87

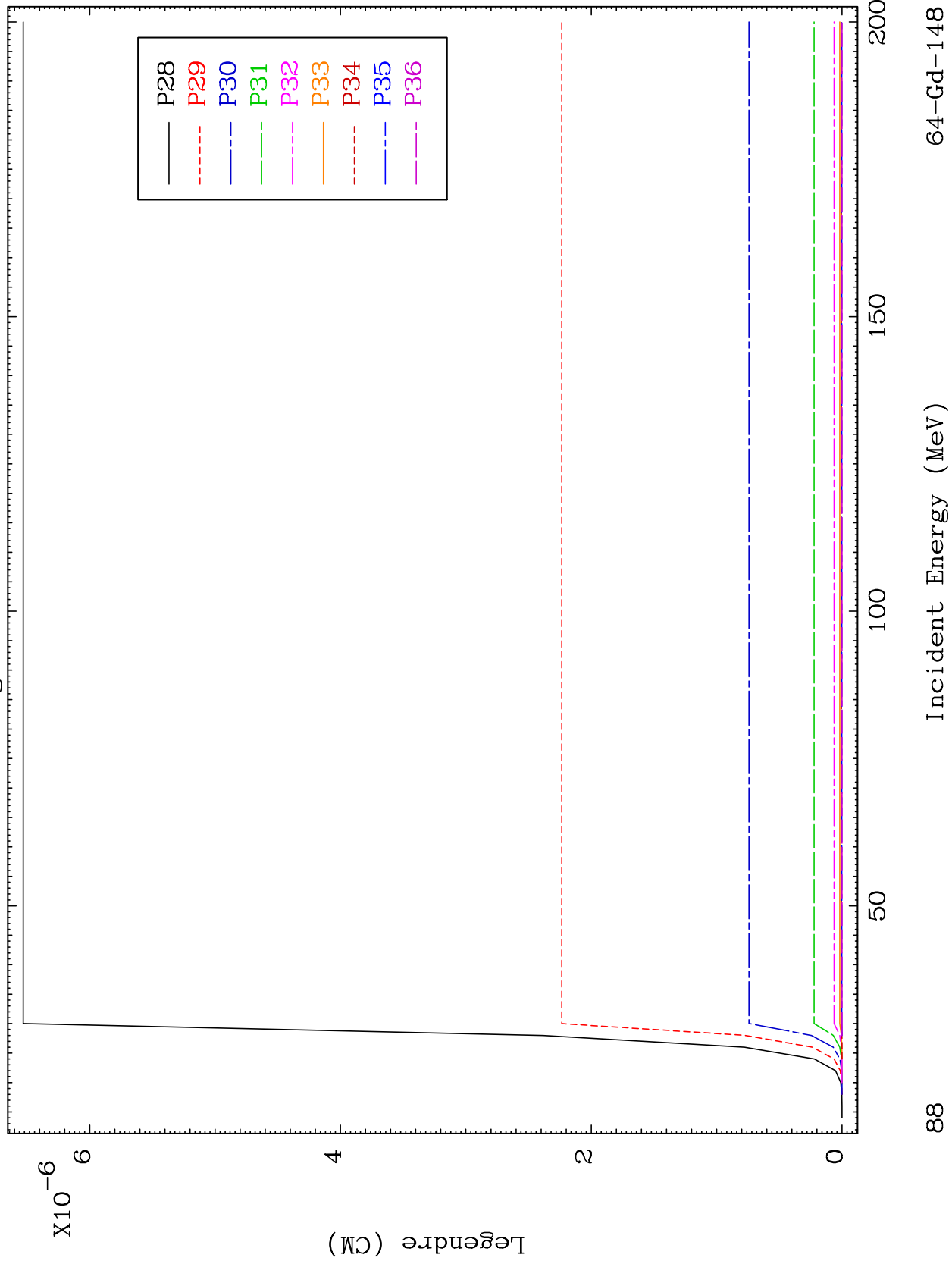
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



88

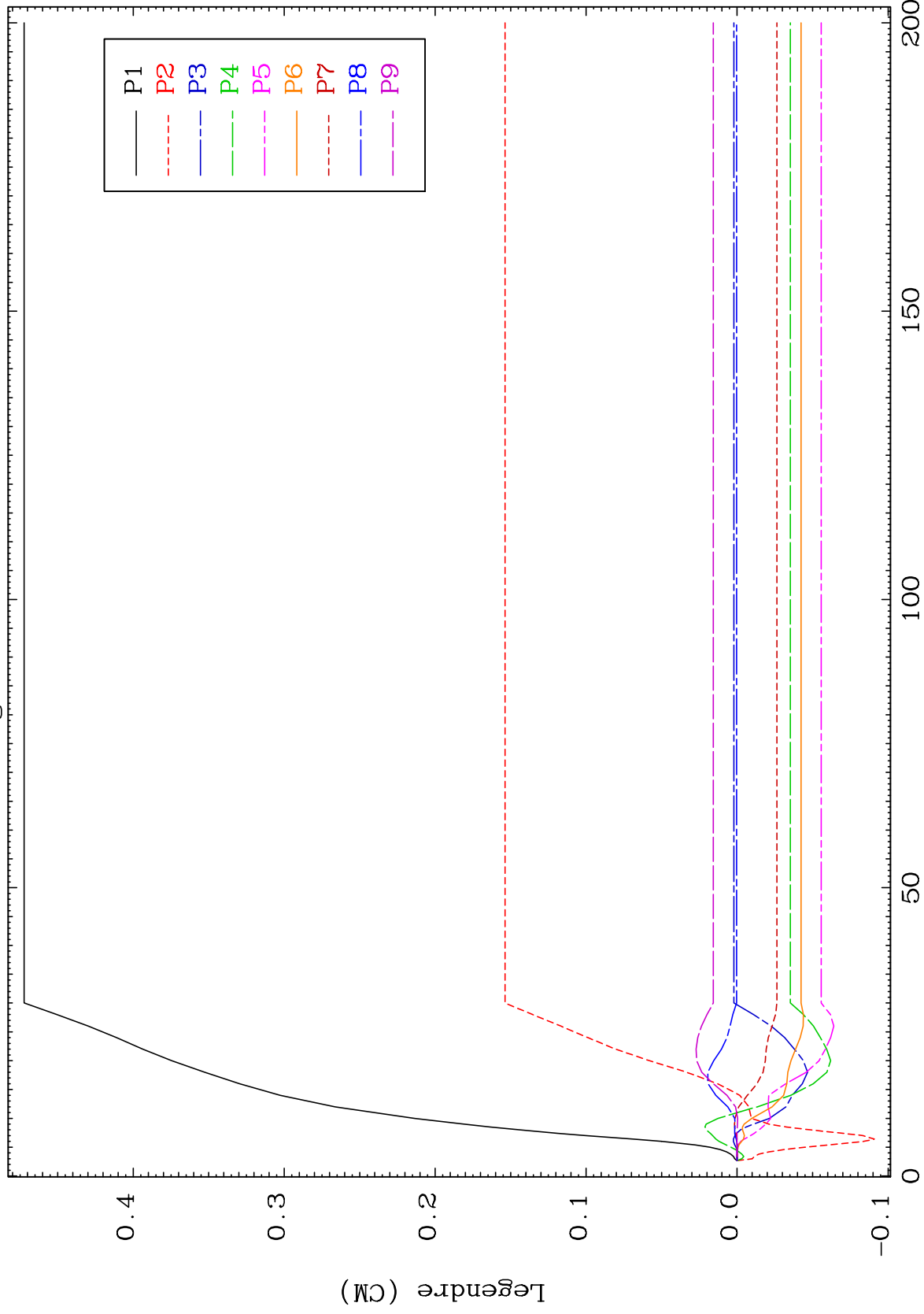
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

64-Gd-148



89

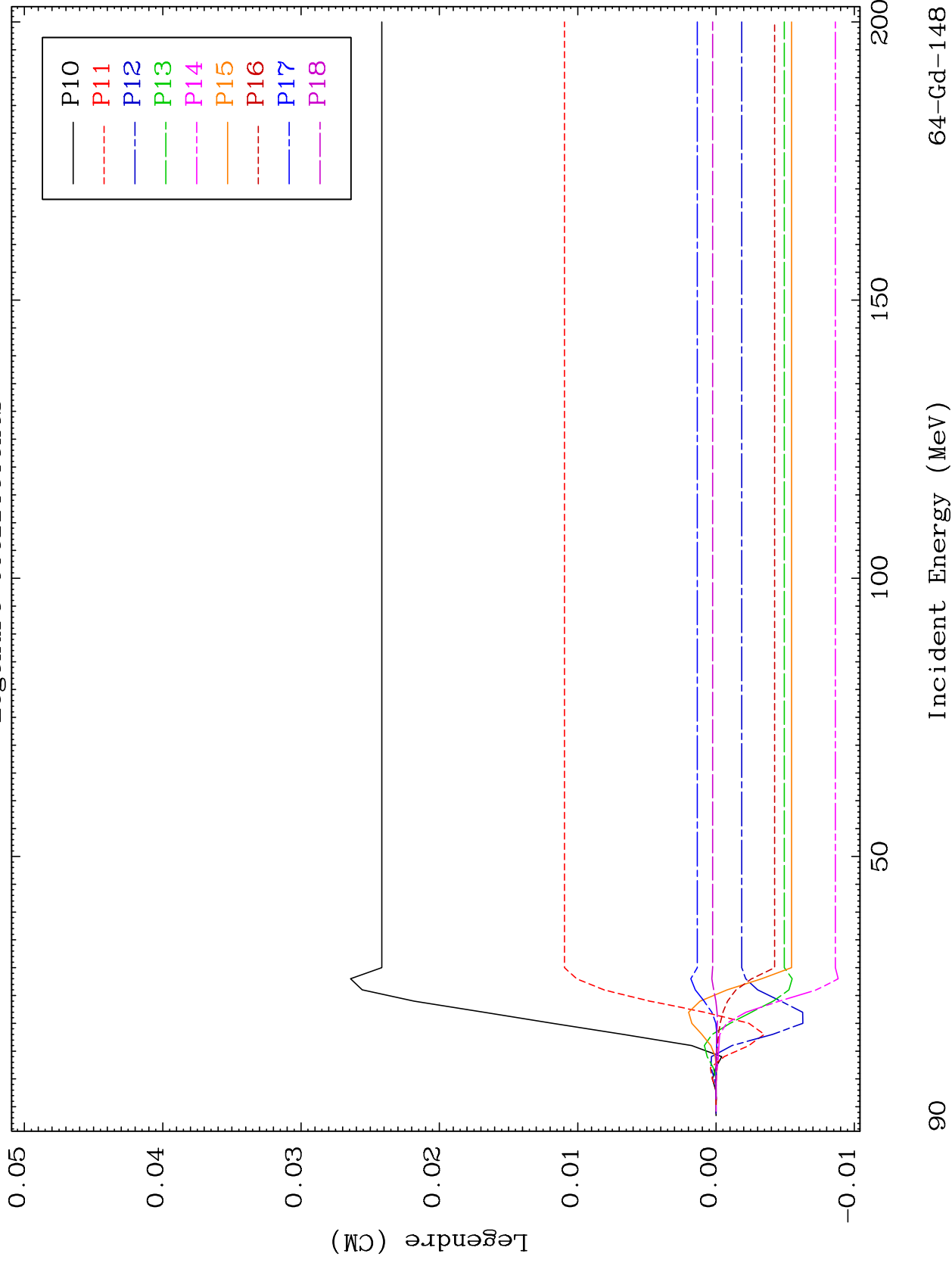
Incident Energy (MeV)

64-Gd-148

MAT 6413

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

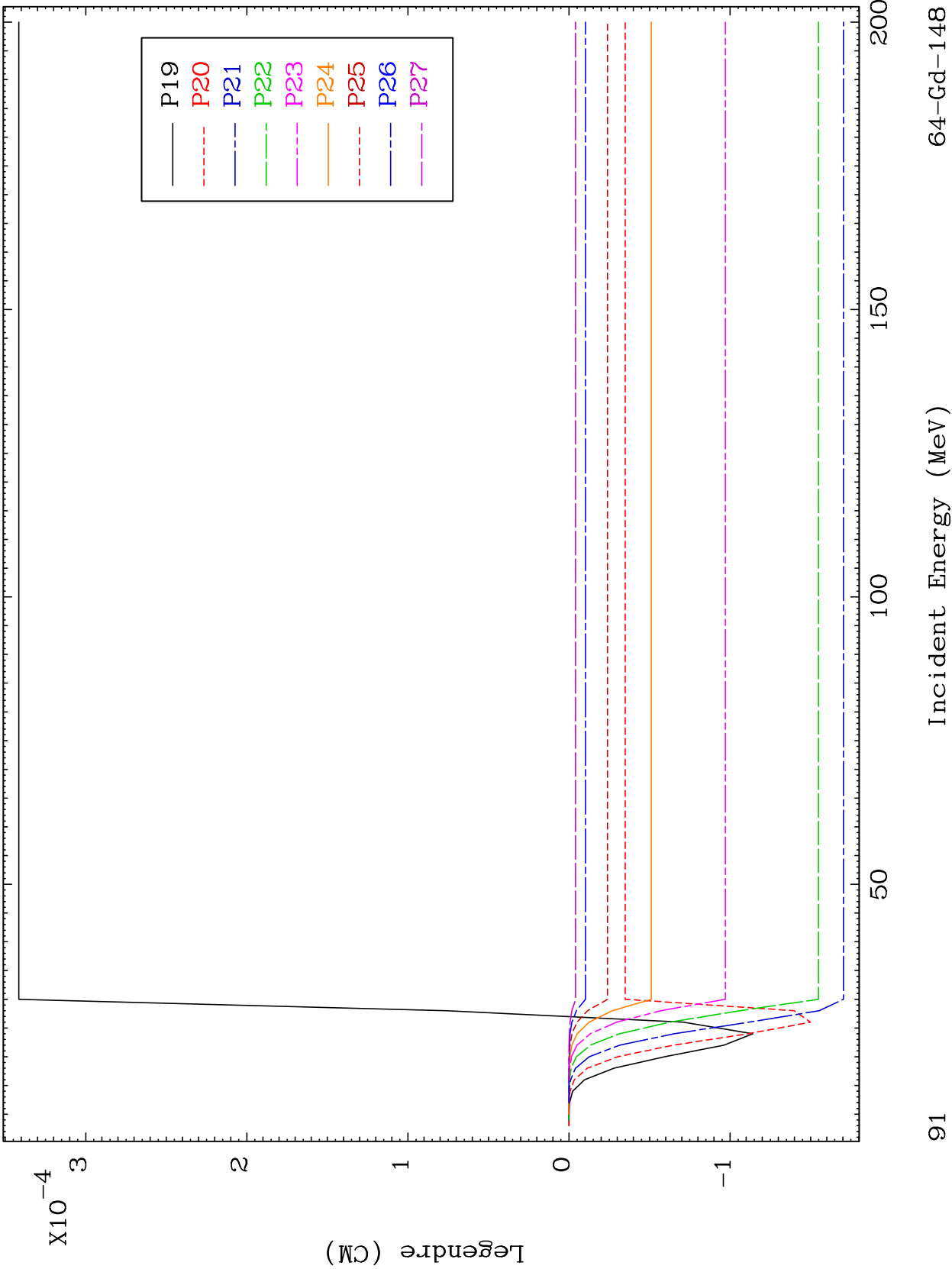
64-Gd-148

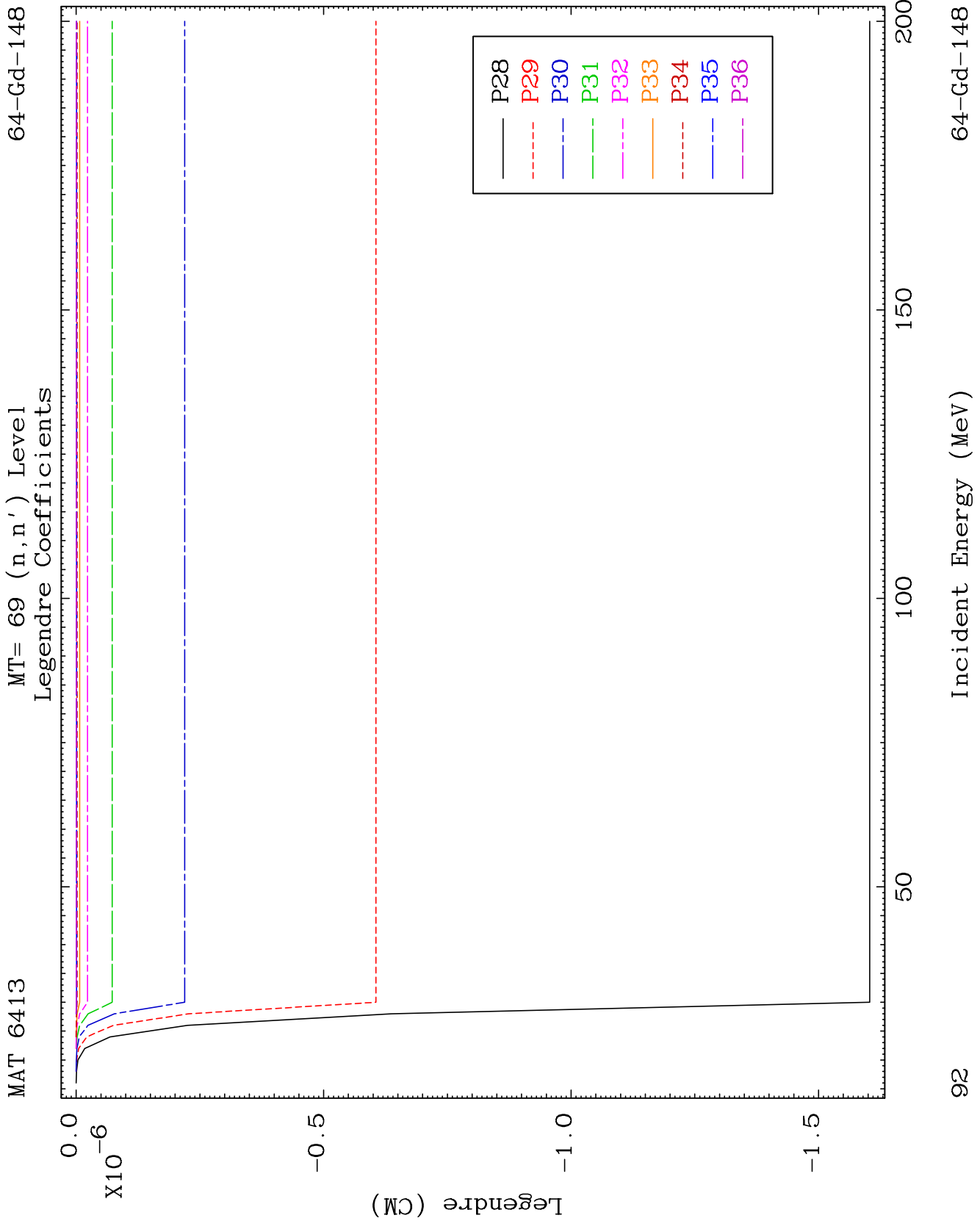


64-Gd-148

Incident Energy (MeV)

90



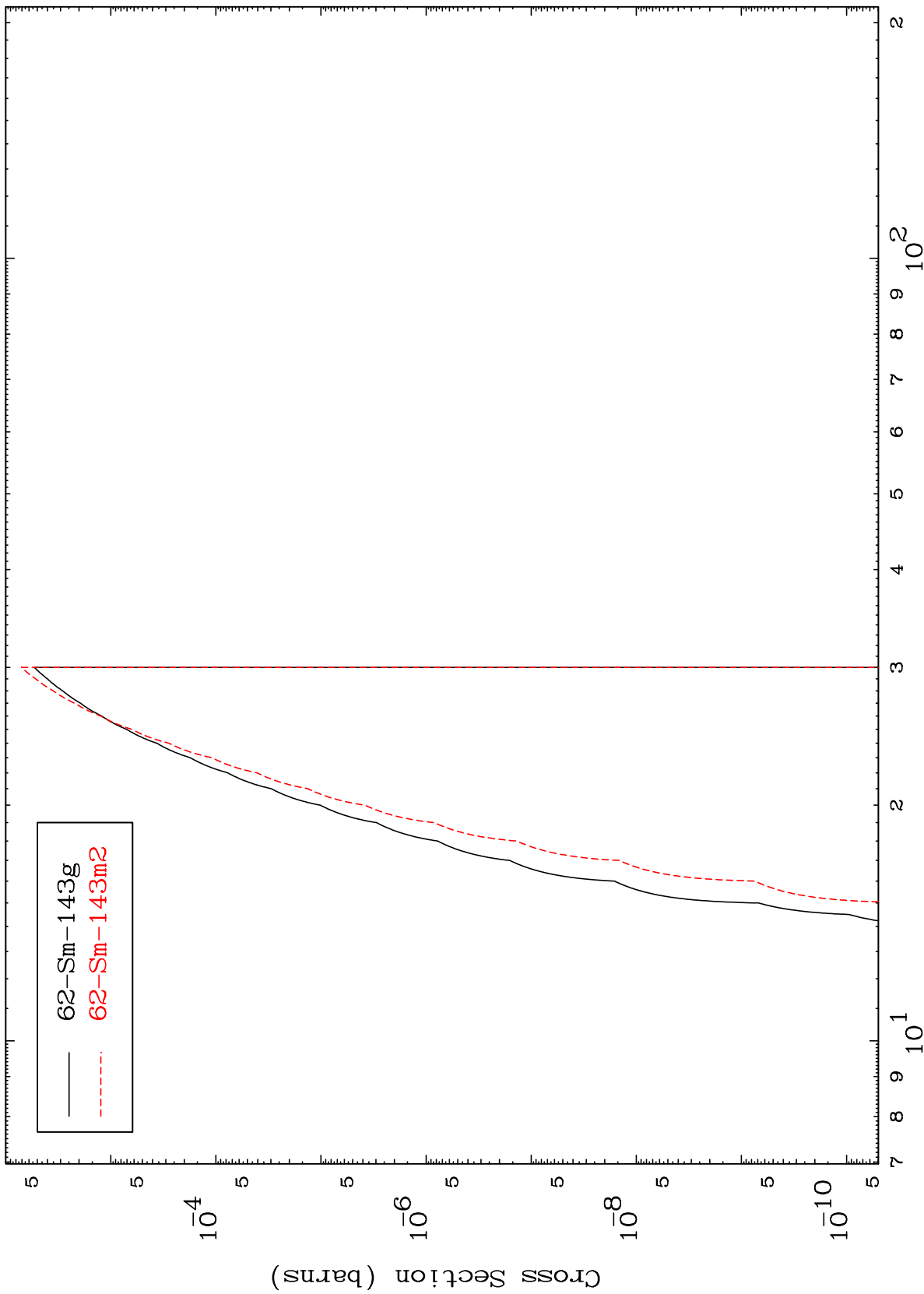


MAT 6413

(n,2n) α

64-Gd-148

Radionuclide Production Cross Section



93

Incident Energy (MeV)

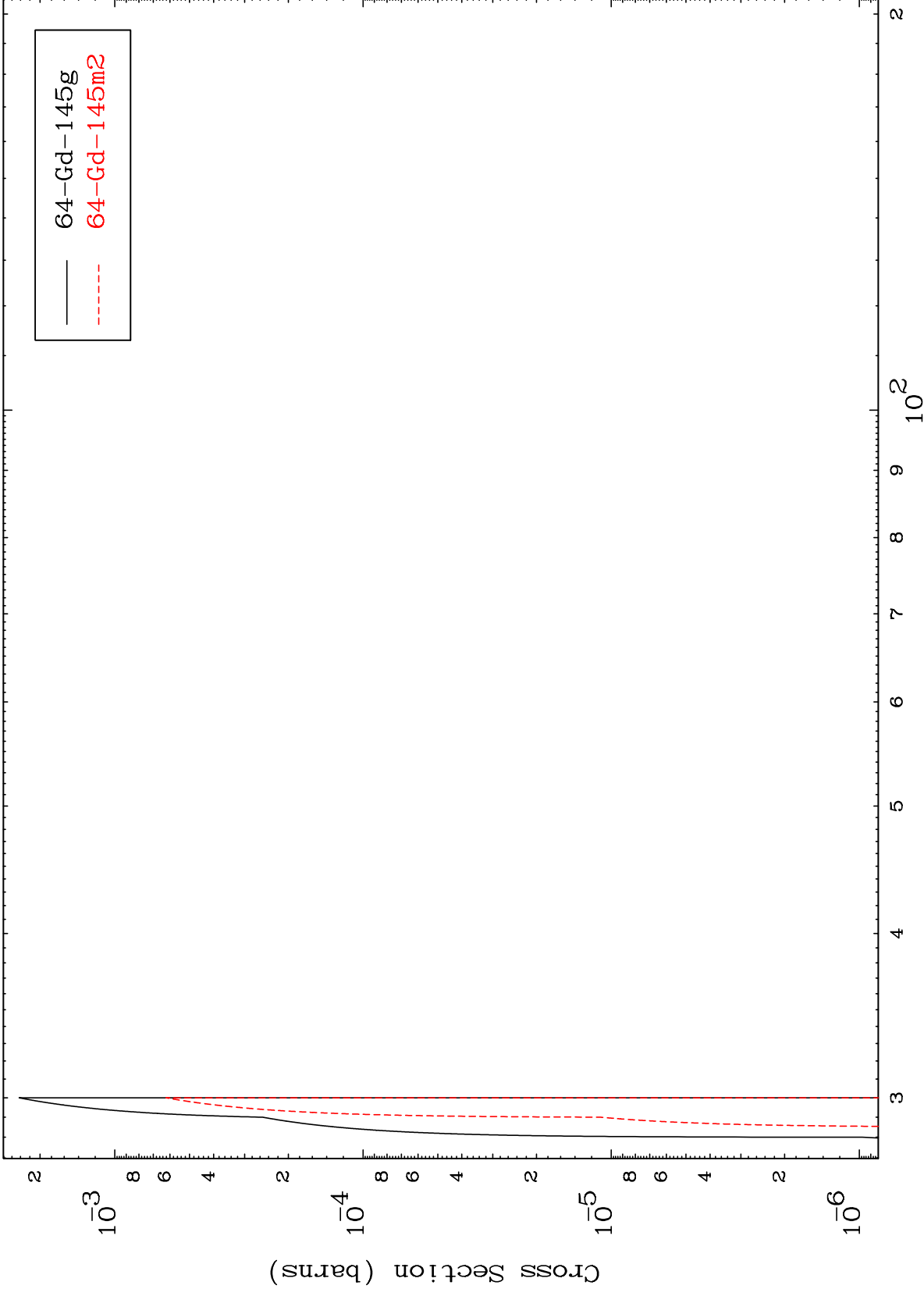
64-Gd-148

MAT 6413

(n,4n)

64-Gd-148

Radionuclide Production Cross Section



64-Gd-145g
64-Gd-145m2

94

Incident Energy (MeV)

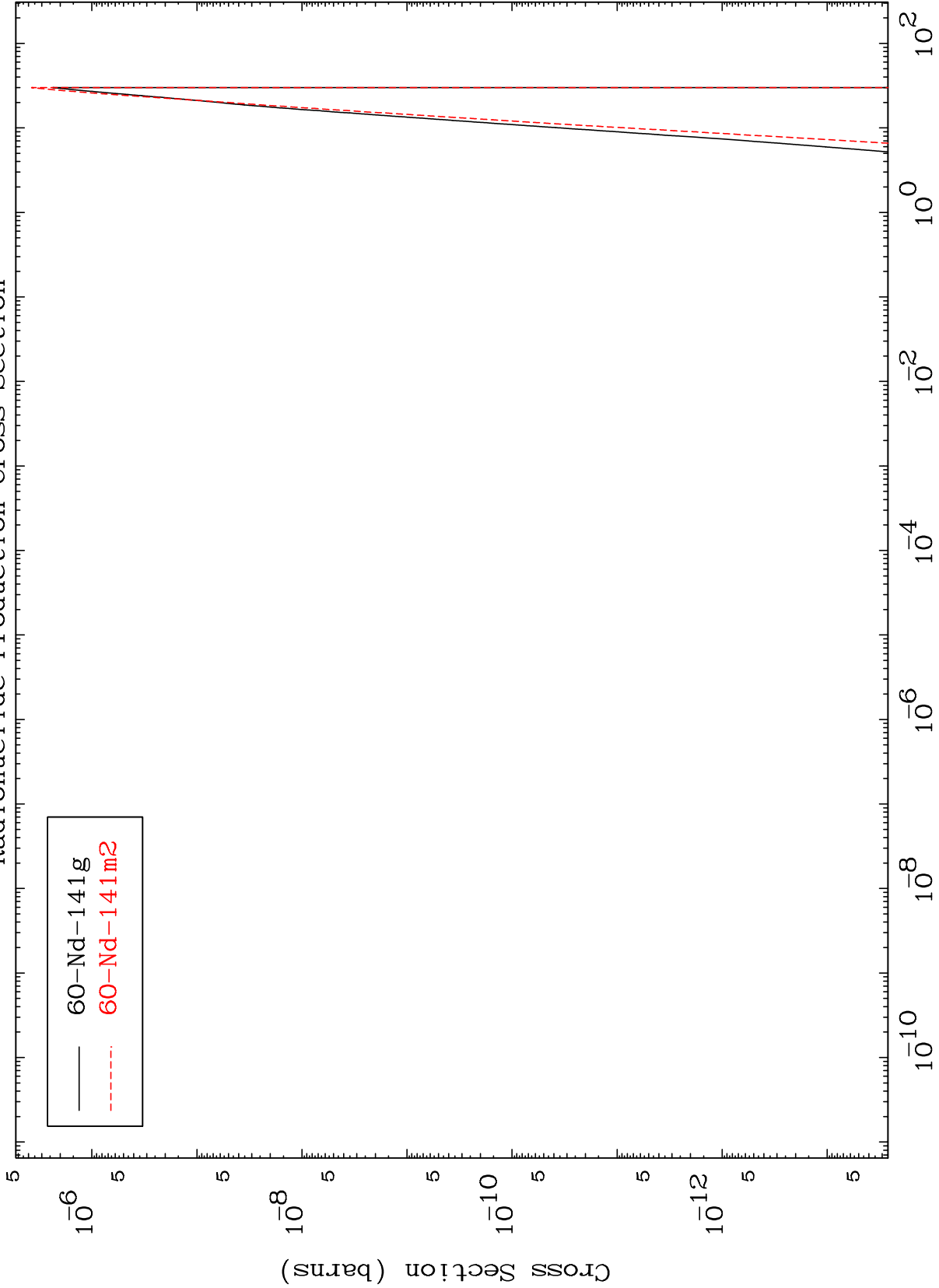
64-Gd-148

MAT 6413

(n,2α)

64-Gd-148

Radionuclide Production Cross Section



60-Nd-141g
60-Nd-141m2