

Program EVALPLOT
(Version 2021-1)

by

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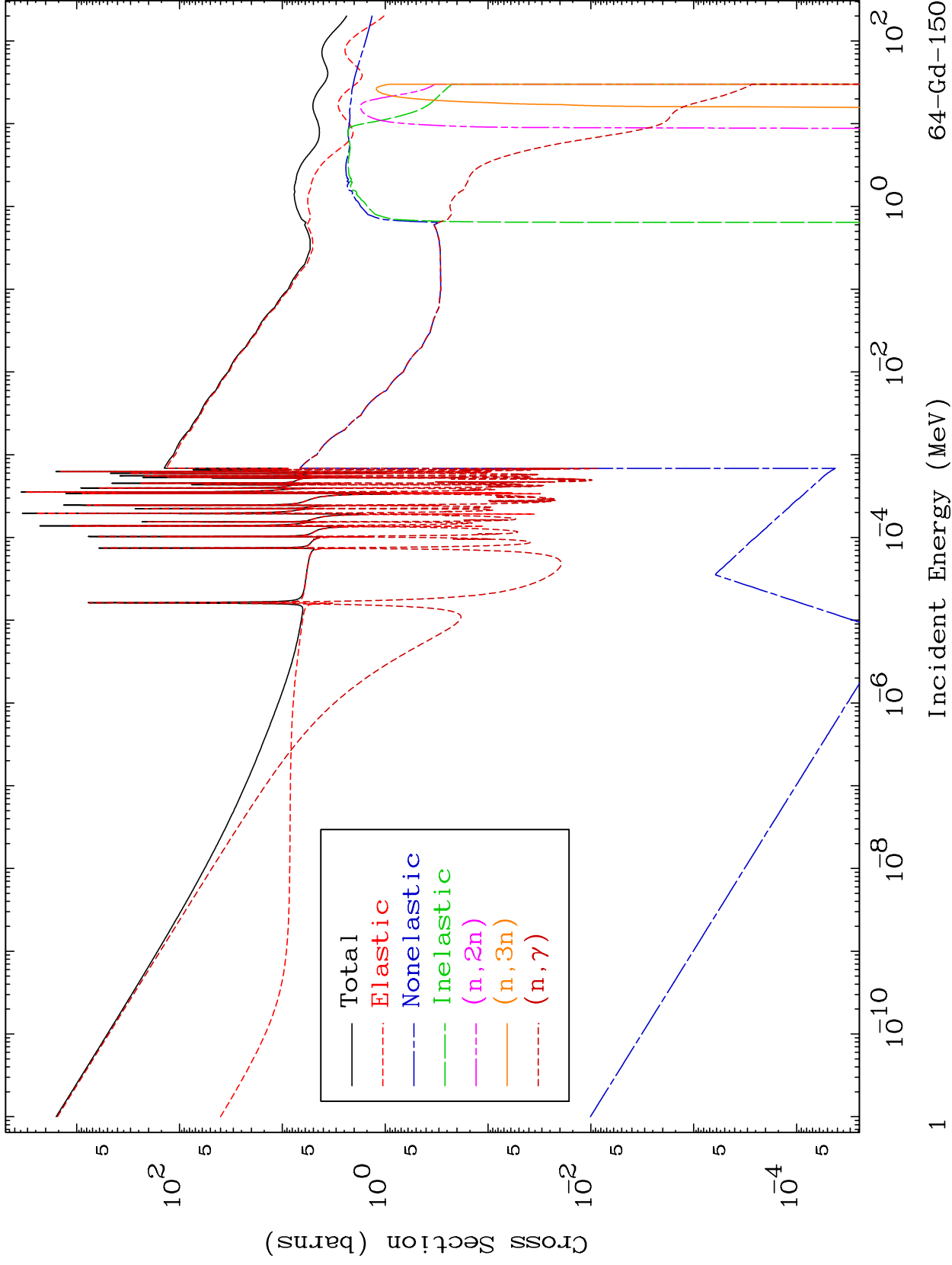
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6419

Neutron Major
293 Kelvin Cross Sections

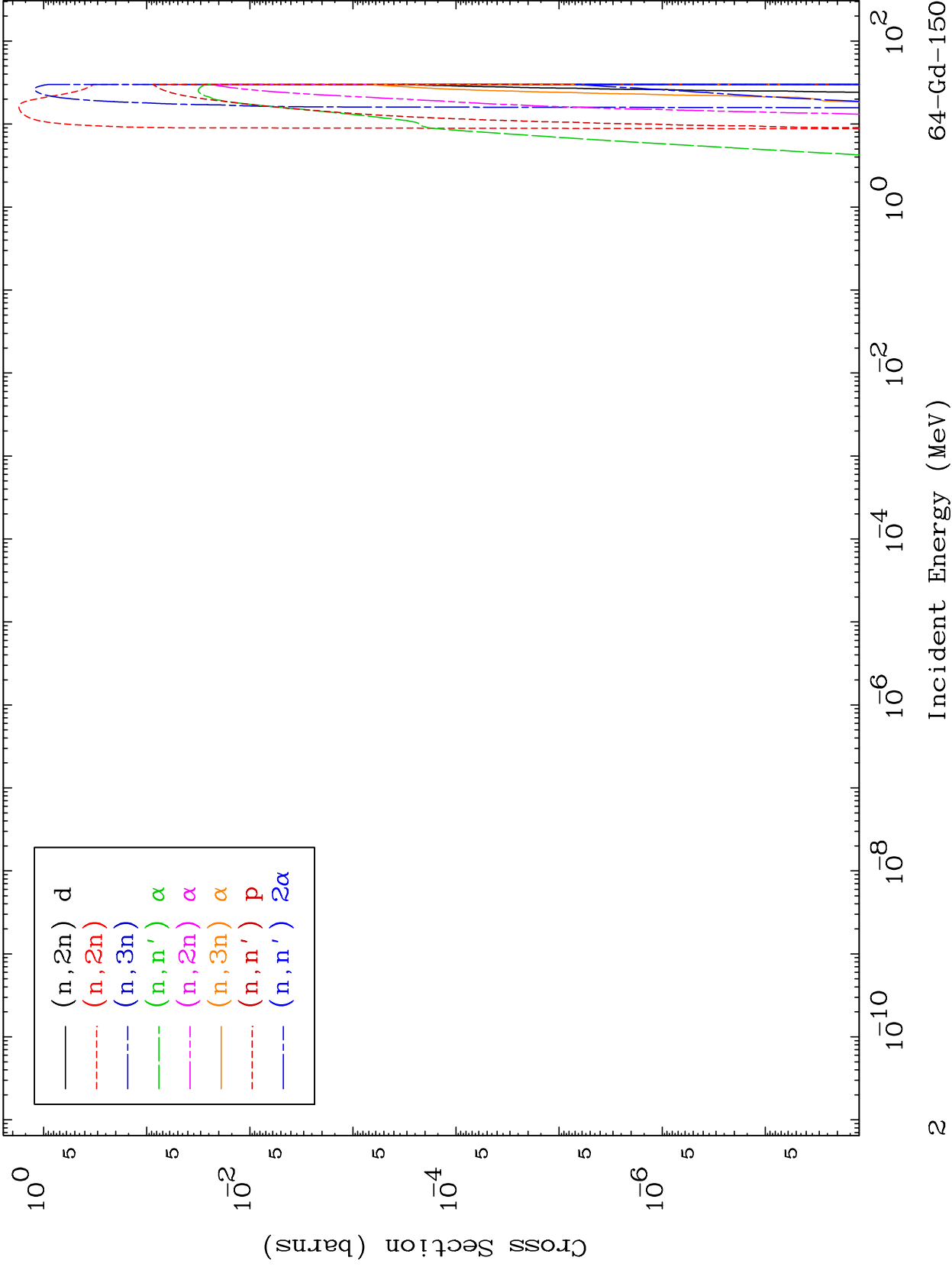
64-Gd-150



MAT 6419

Neutron Absorption
293 Kelvin Cross Sections

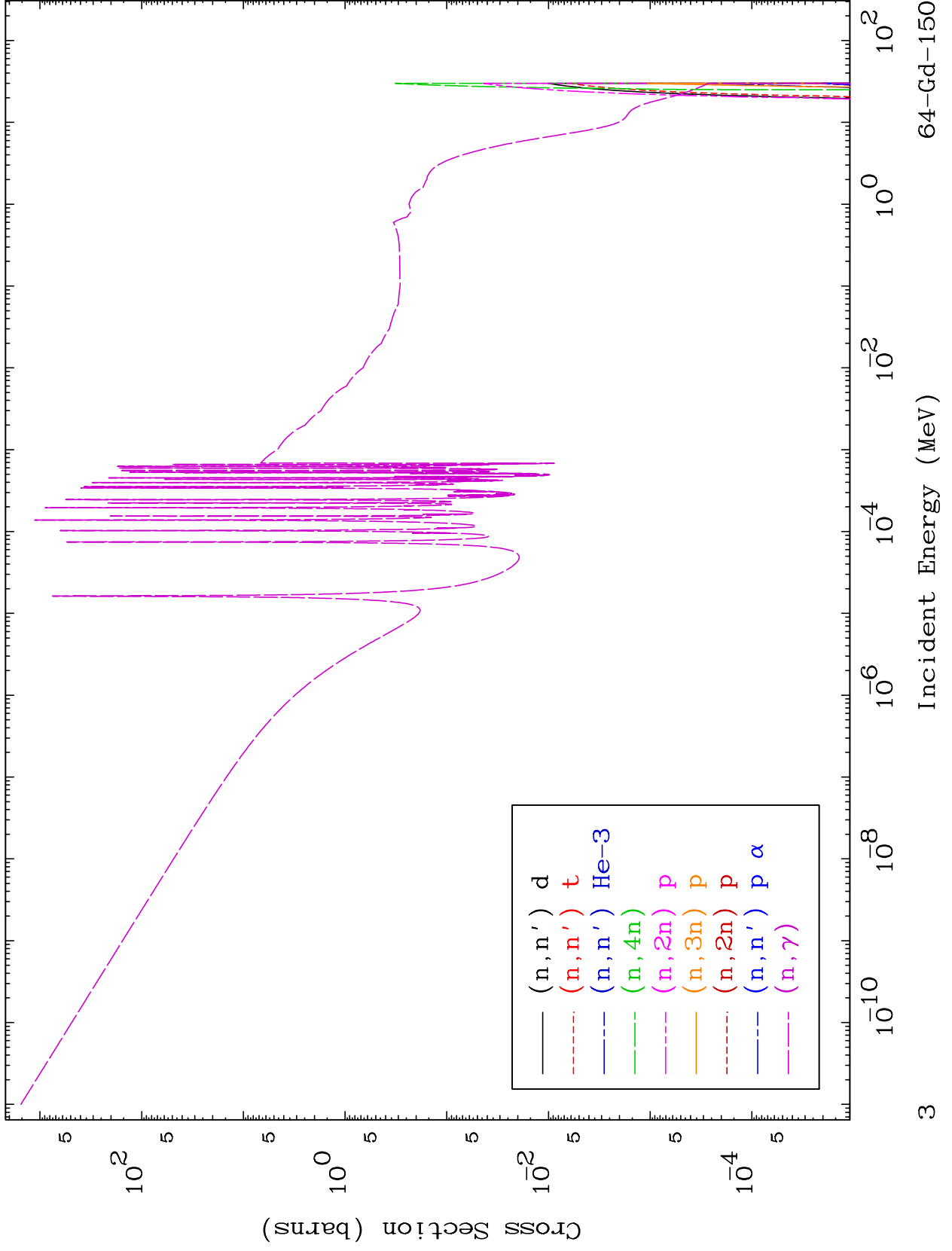
64-Gd-150



MAT 6419

Neutron Absorption
293 Kelvin Cross Sections

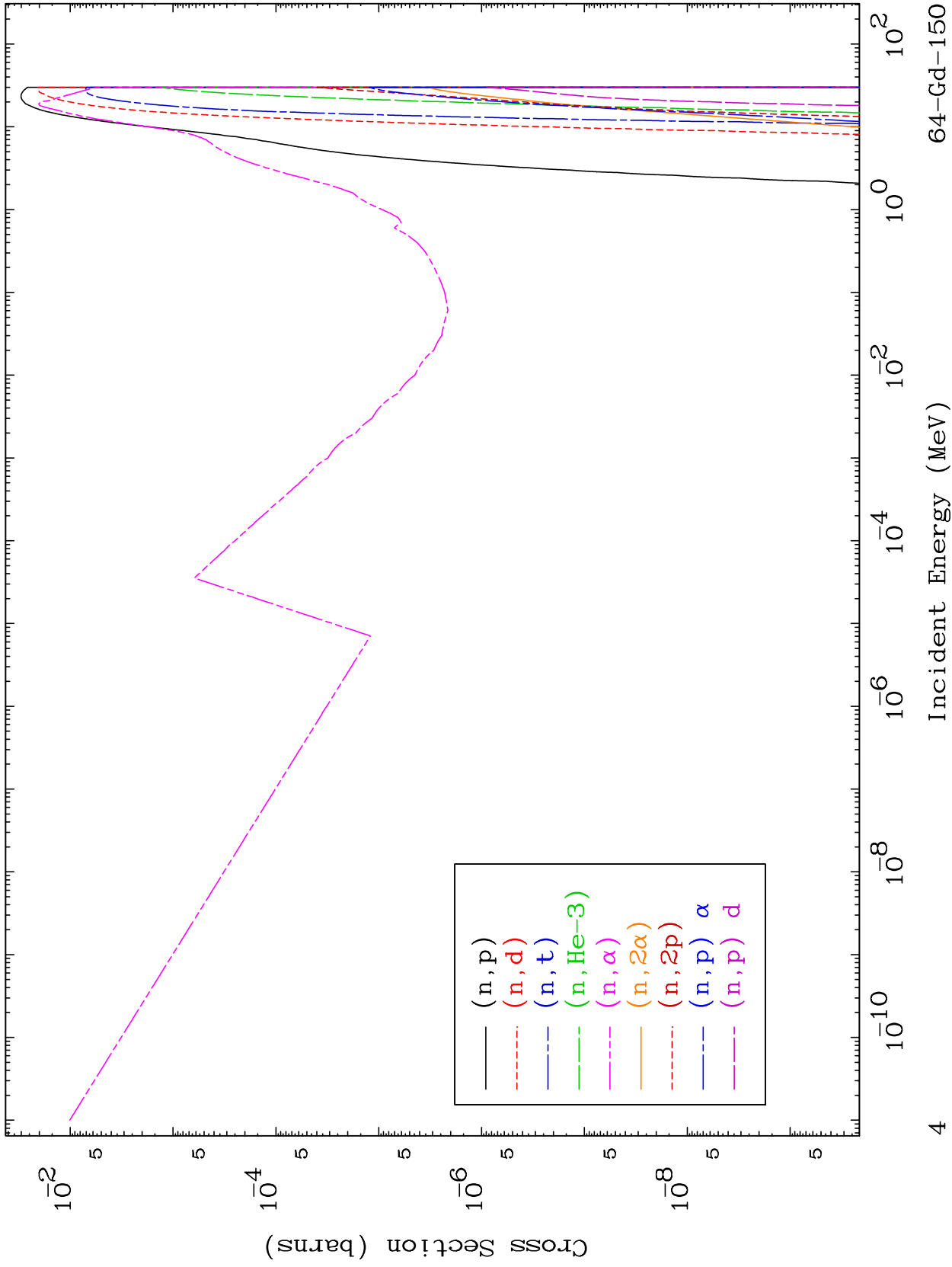
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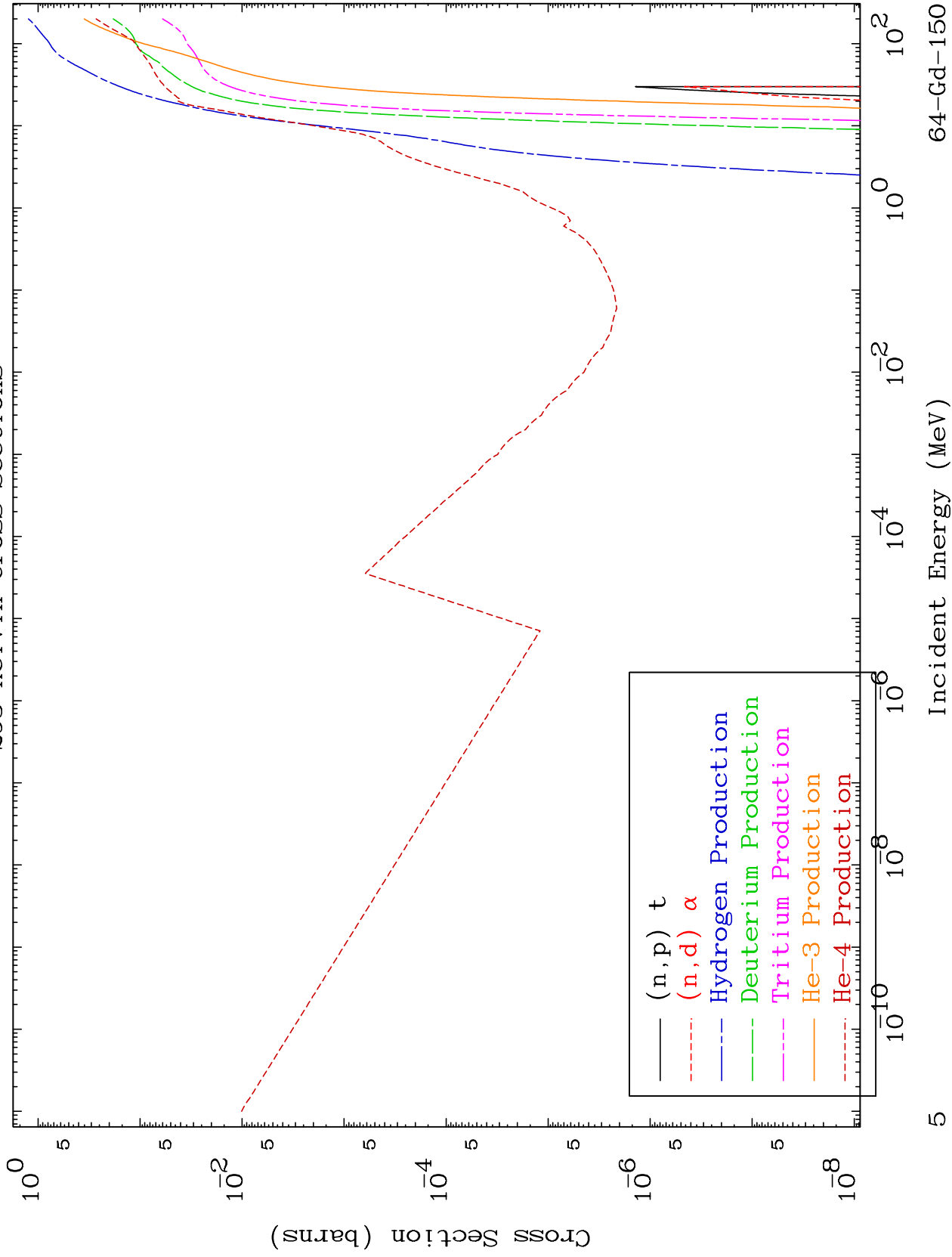


MAT 6419

Neutron Absorption
293 Kelvin Cross Sections

64-Gd-150

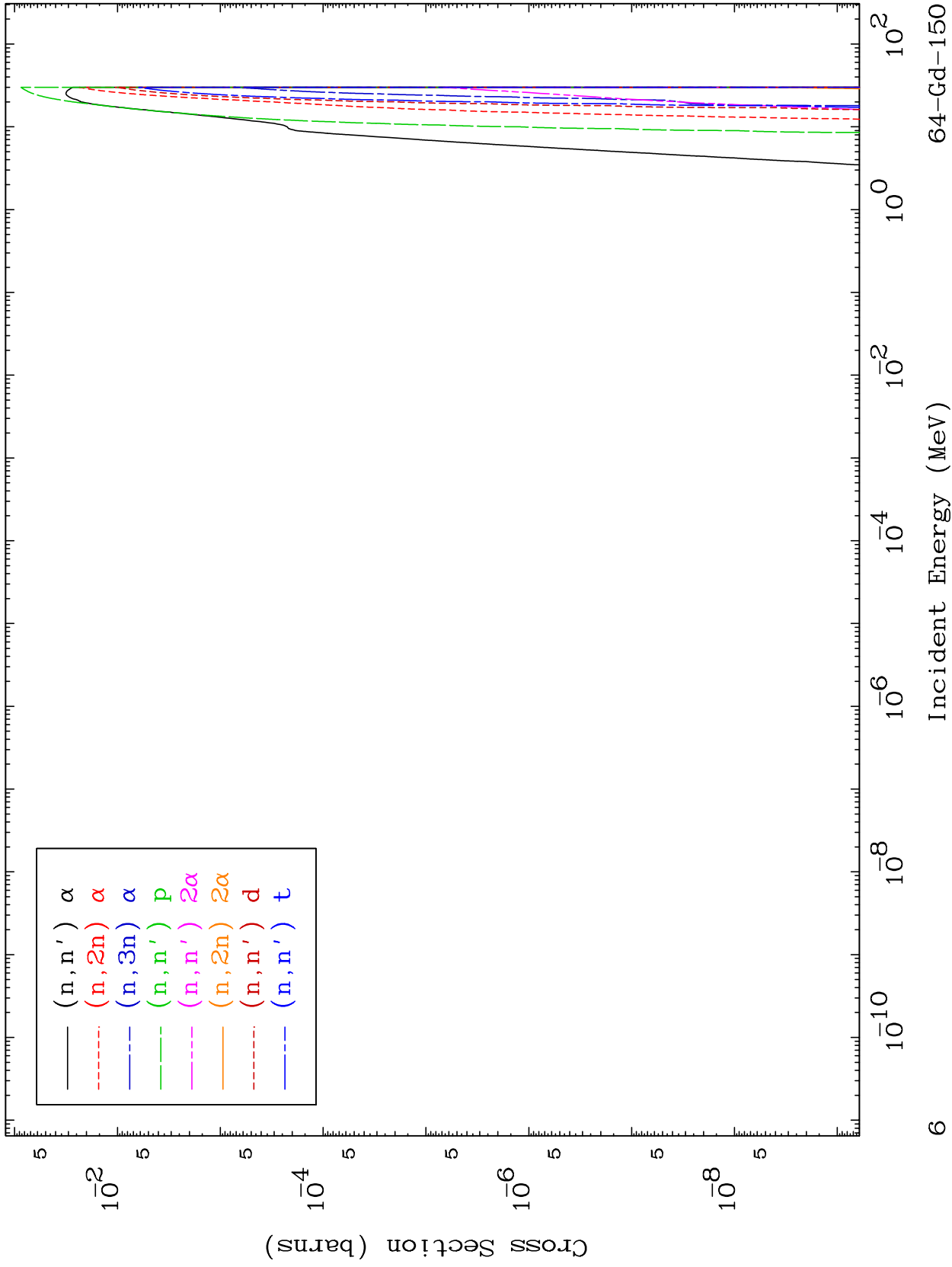




MAT 6419

Charged Particle
293 Kelvin Cross Sections

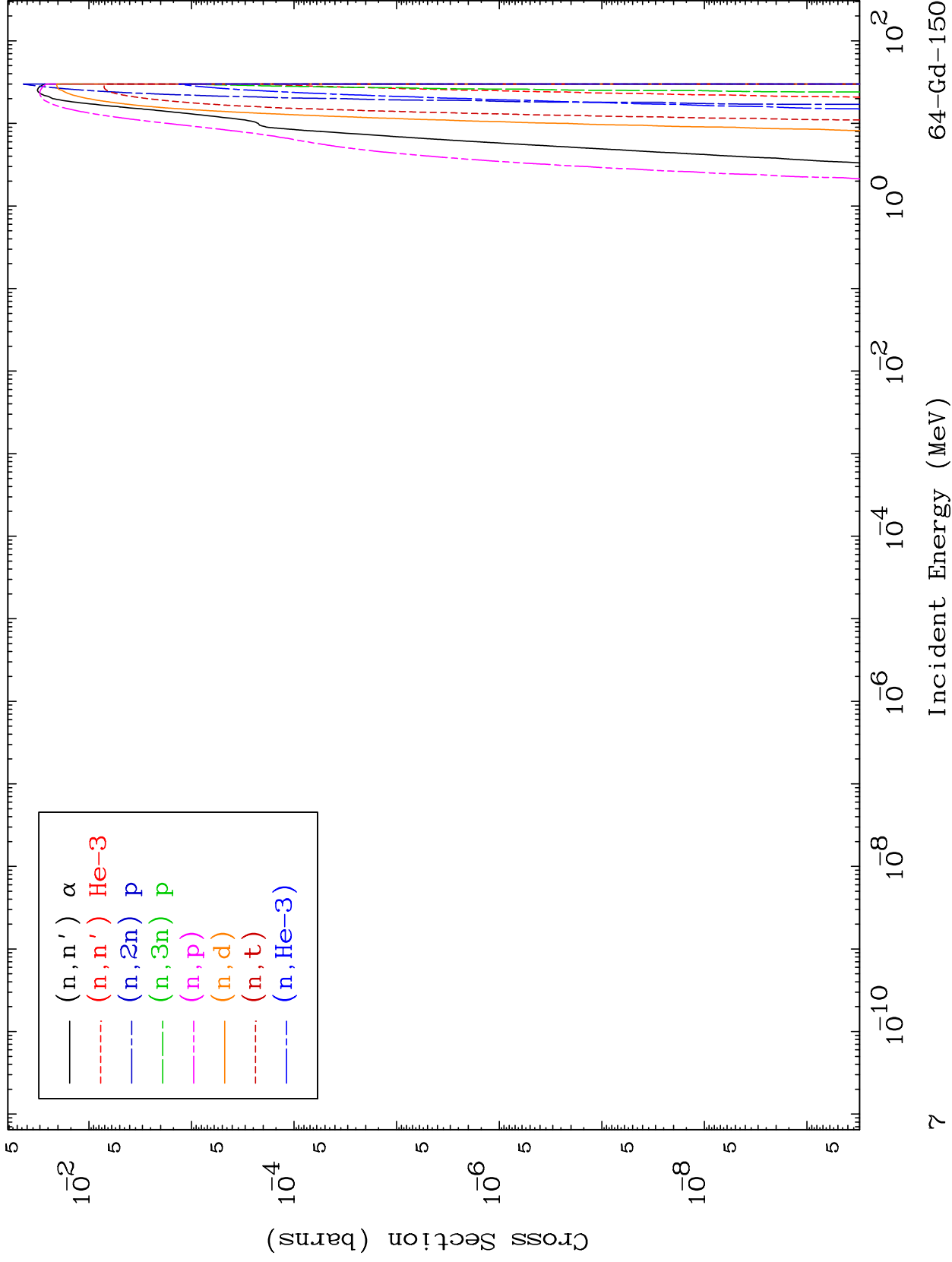
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MAT 6419

Charged Particle
293 Kelvin Cross Sections

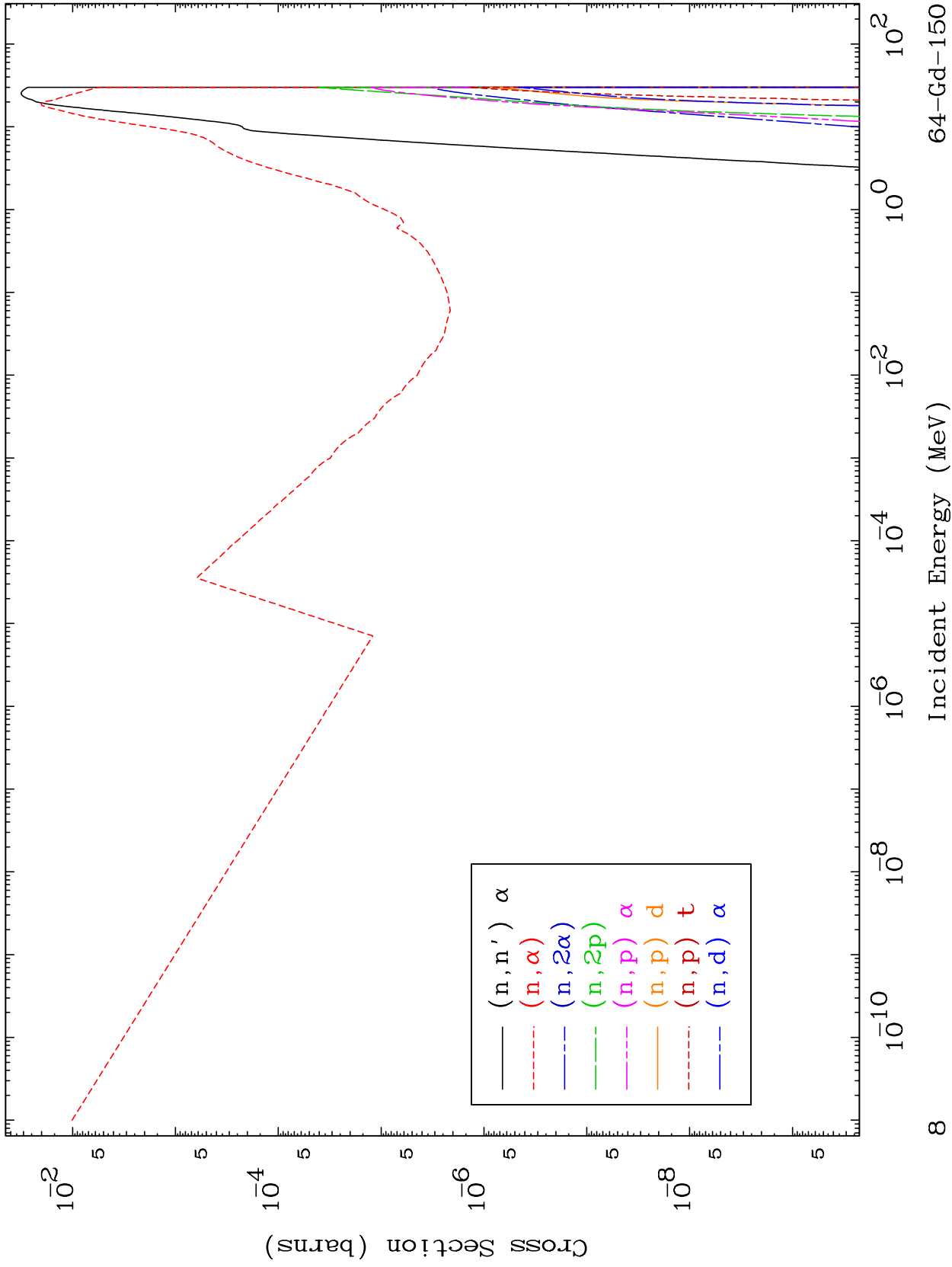
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MAT 6419

Charged Particle
293 Kelvin Cross Sections

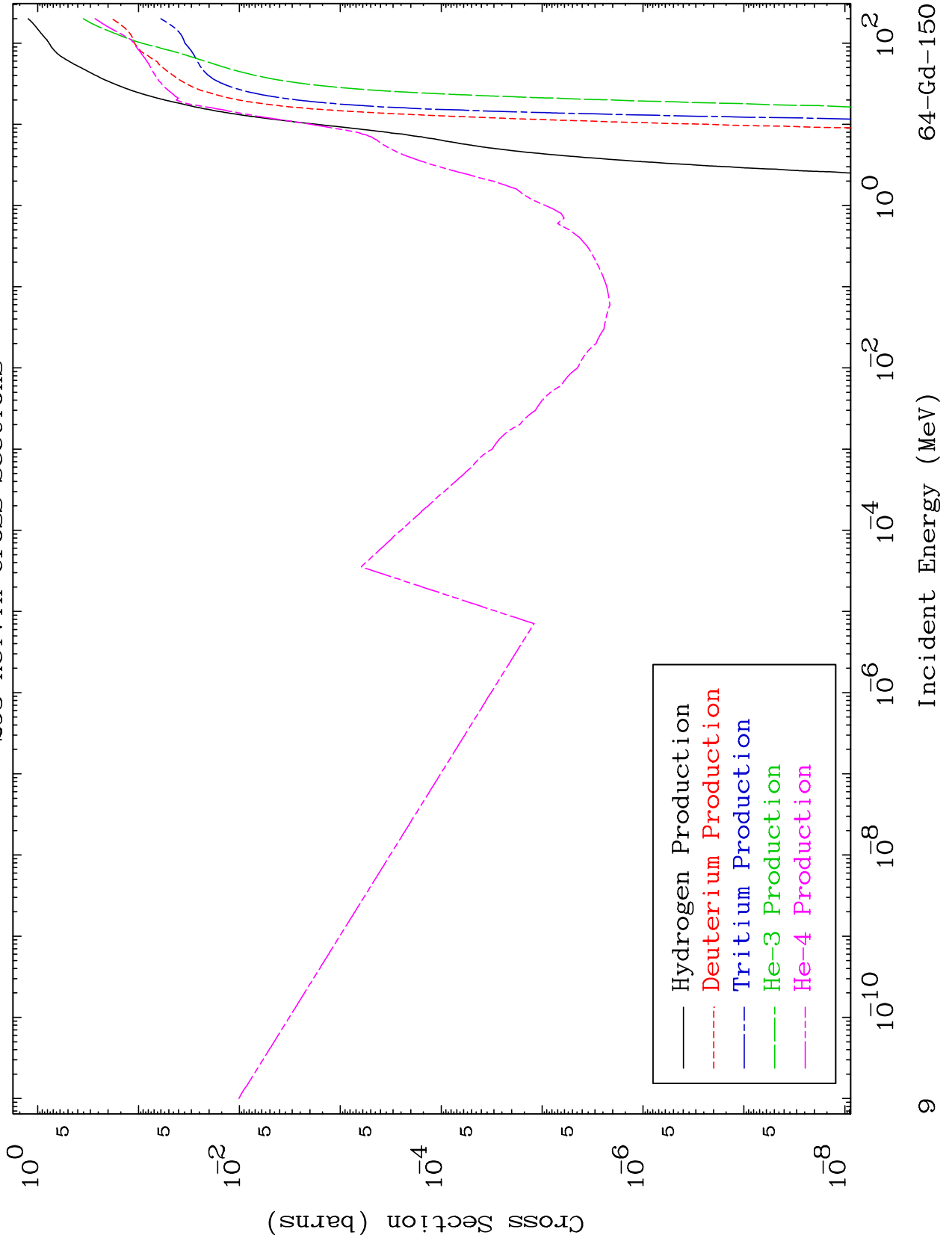
64-Gd-150



MAT 6419

Particle Production
293 Kelvin Cross Sections

64-Gd-150

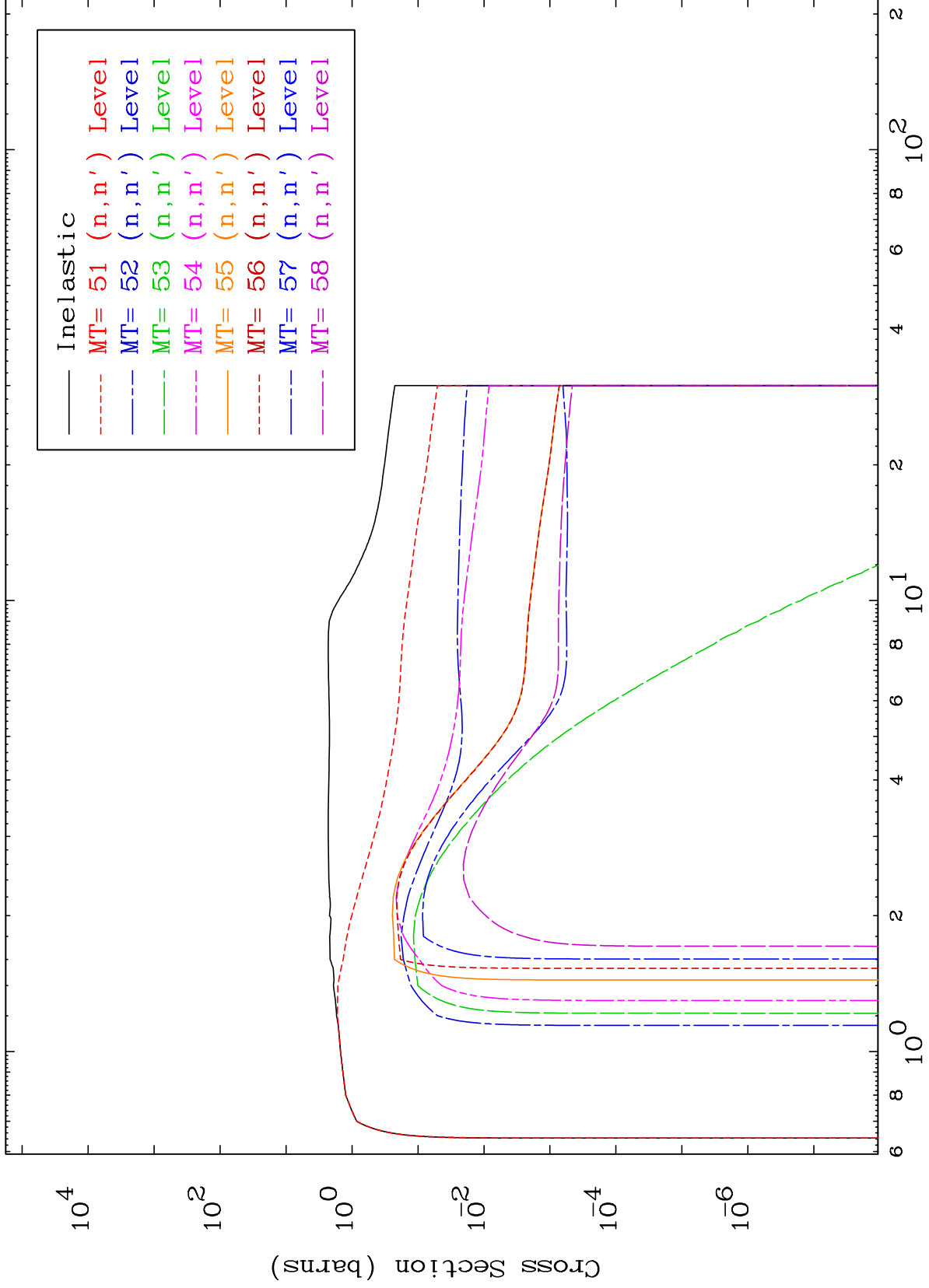


MAT 6419

(n,n') Levels

64-Gd-150

293 Kelvin Cross Sections



10

Incident Energy (MeV)

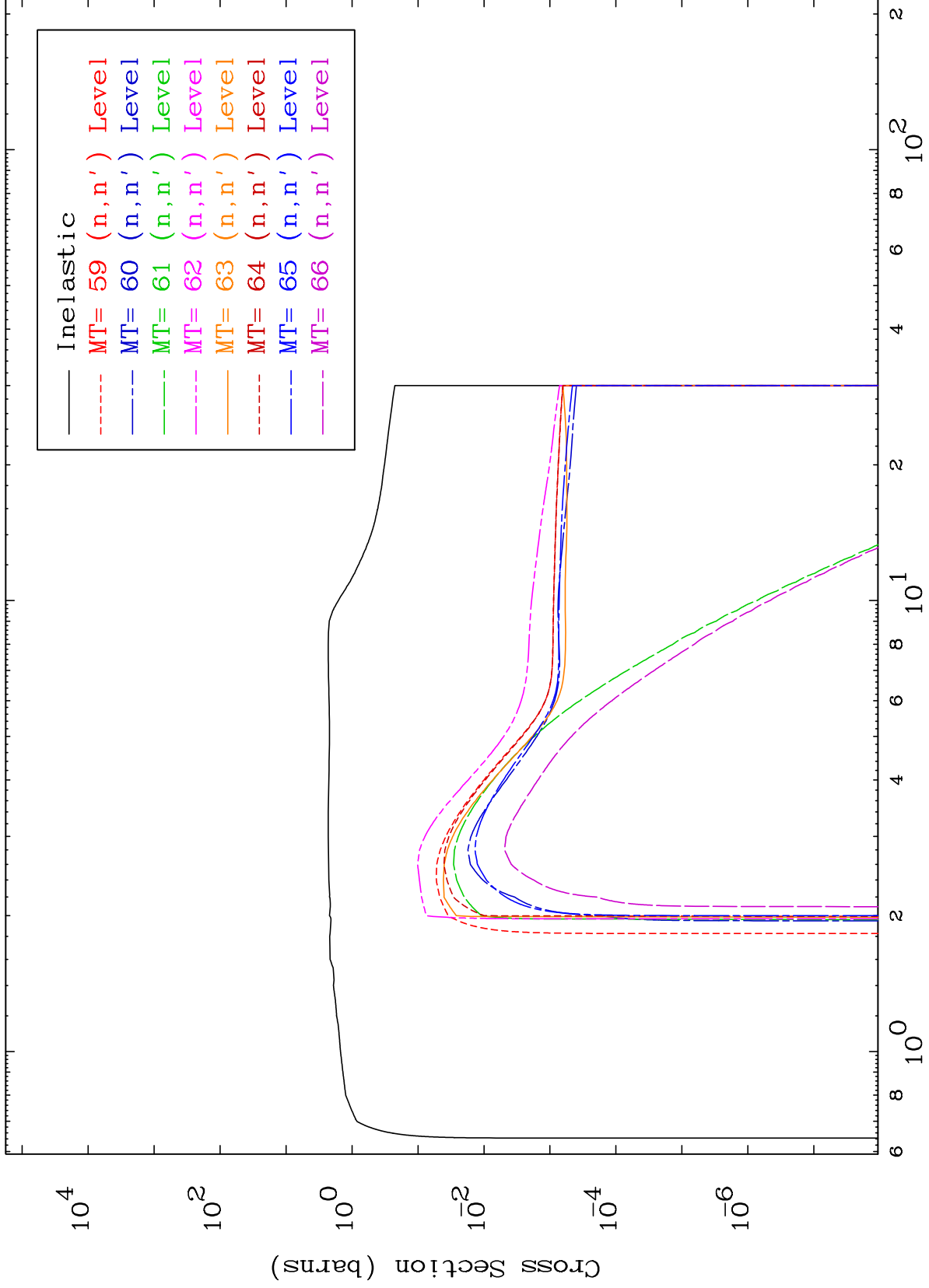
64-Gd-150

MAT 6419

(n,n') Levels

64-Gd-150

293 Kelvin Cross Sections



11

Incident Energy (MeV)

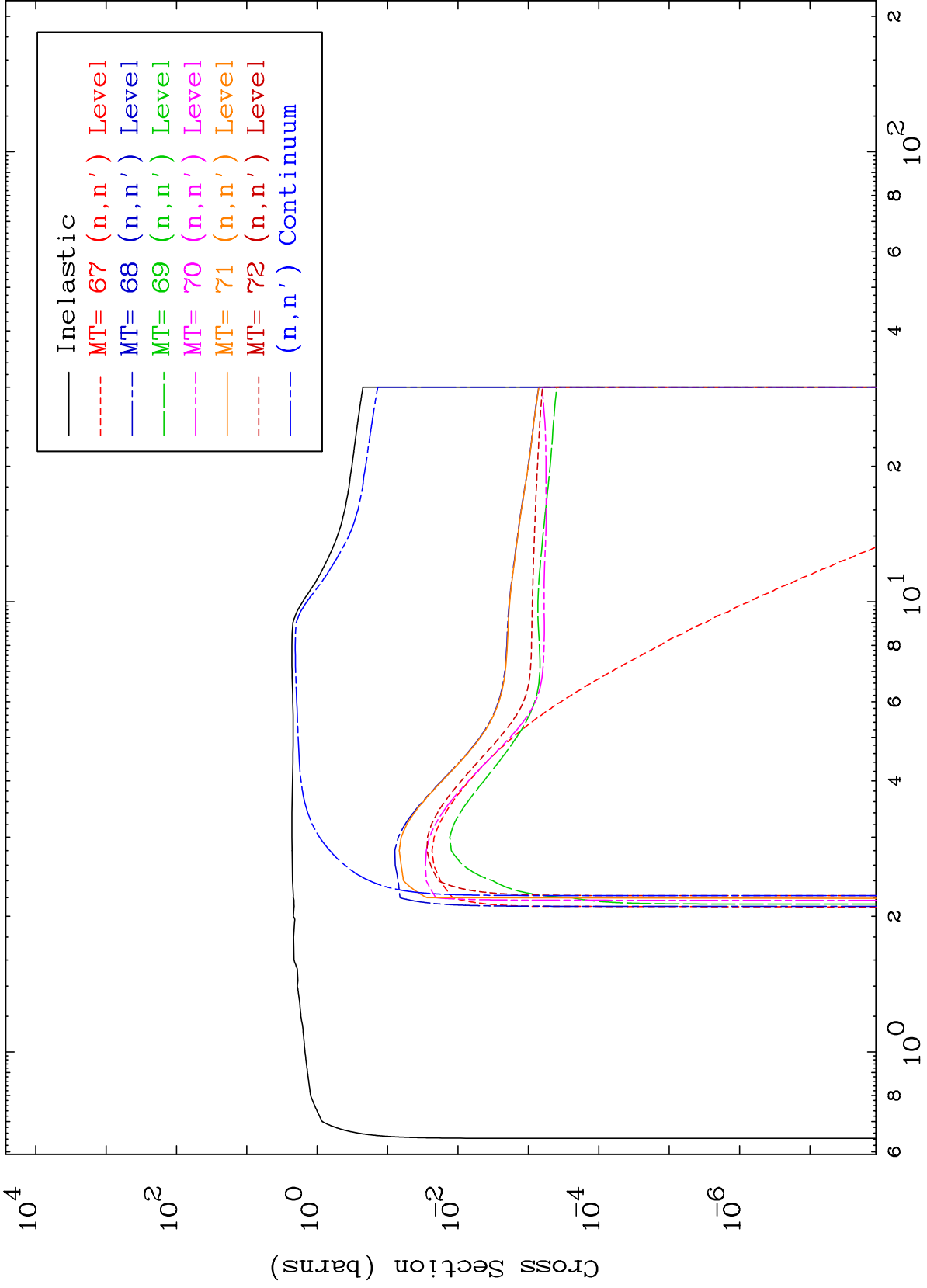
64-Gd-150

MAT 6419

(n,n') Levels

64-Gd-150

293 Kelvin Cross Sections



12

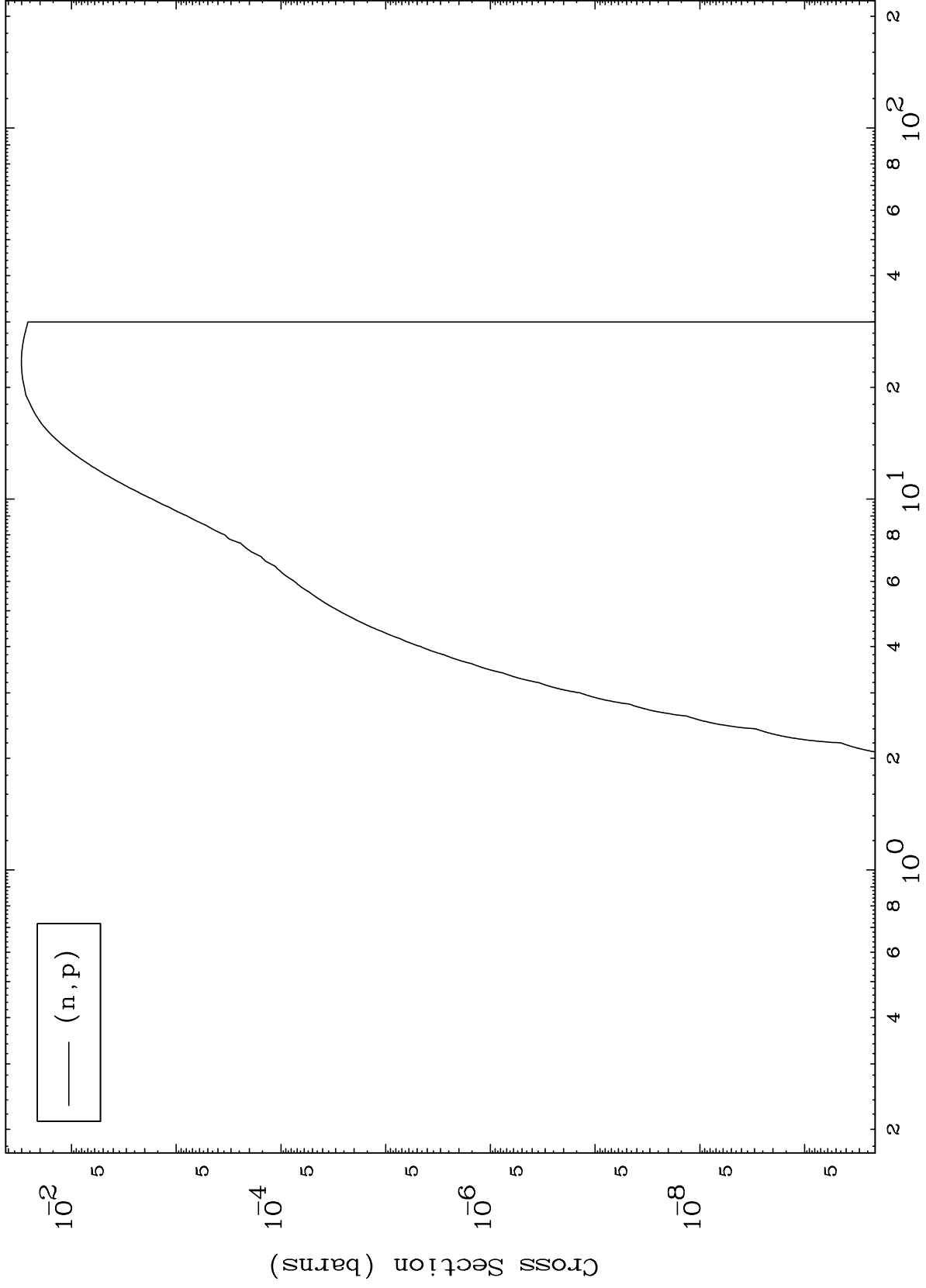
Incident Energy (MeV)

64-Gd-150

MAT 6419

(n,p) Levels
293 Kelvin Cross Sections

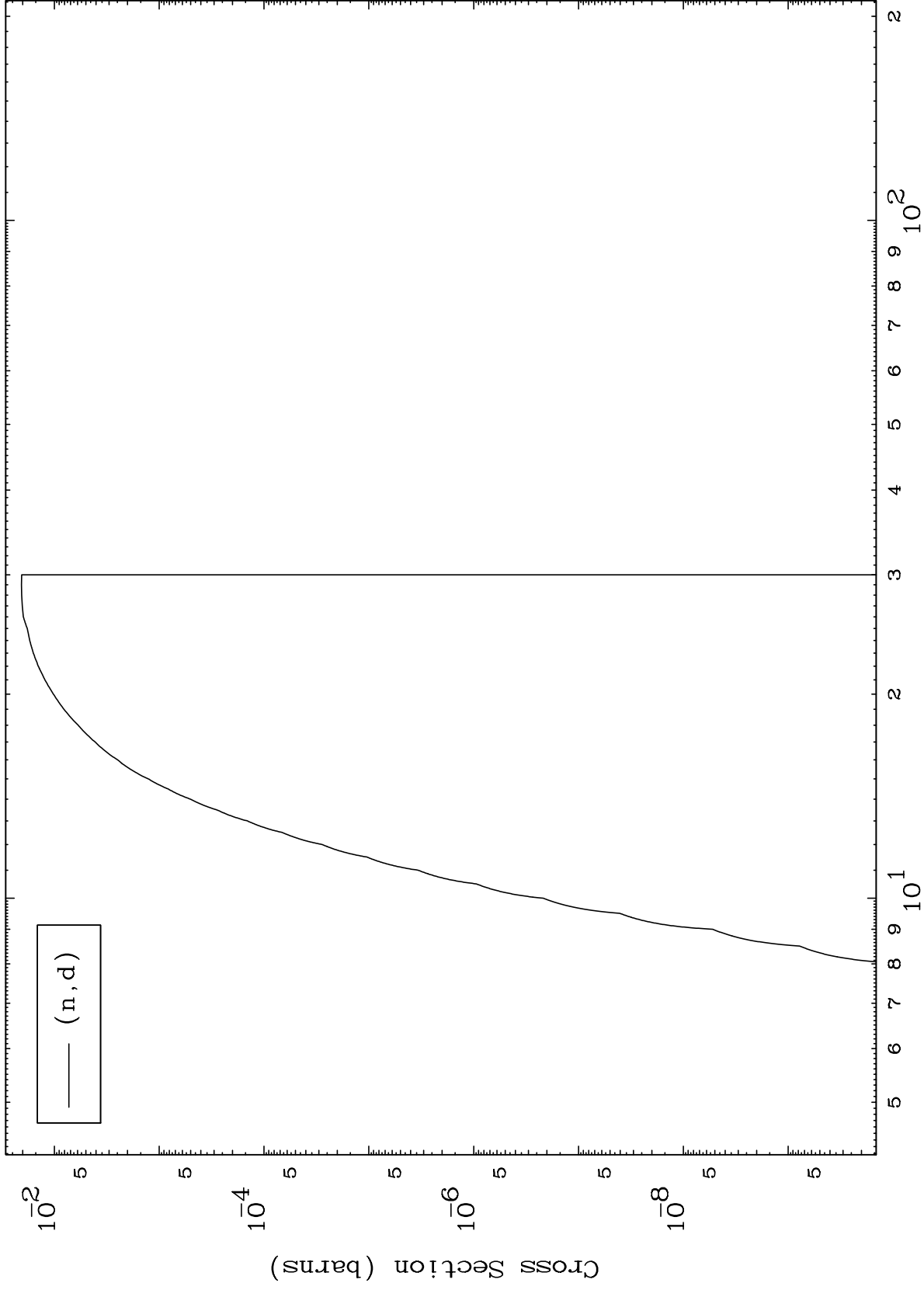
64-Gd-150



MAT 6419

(n,d) Levels
293 Kelvin Cross Sections

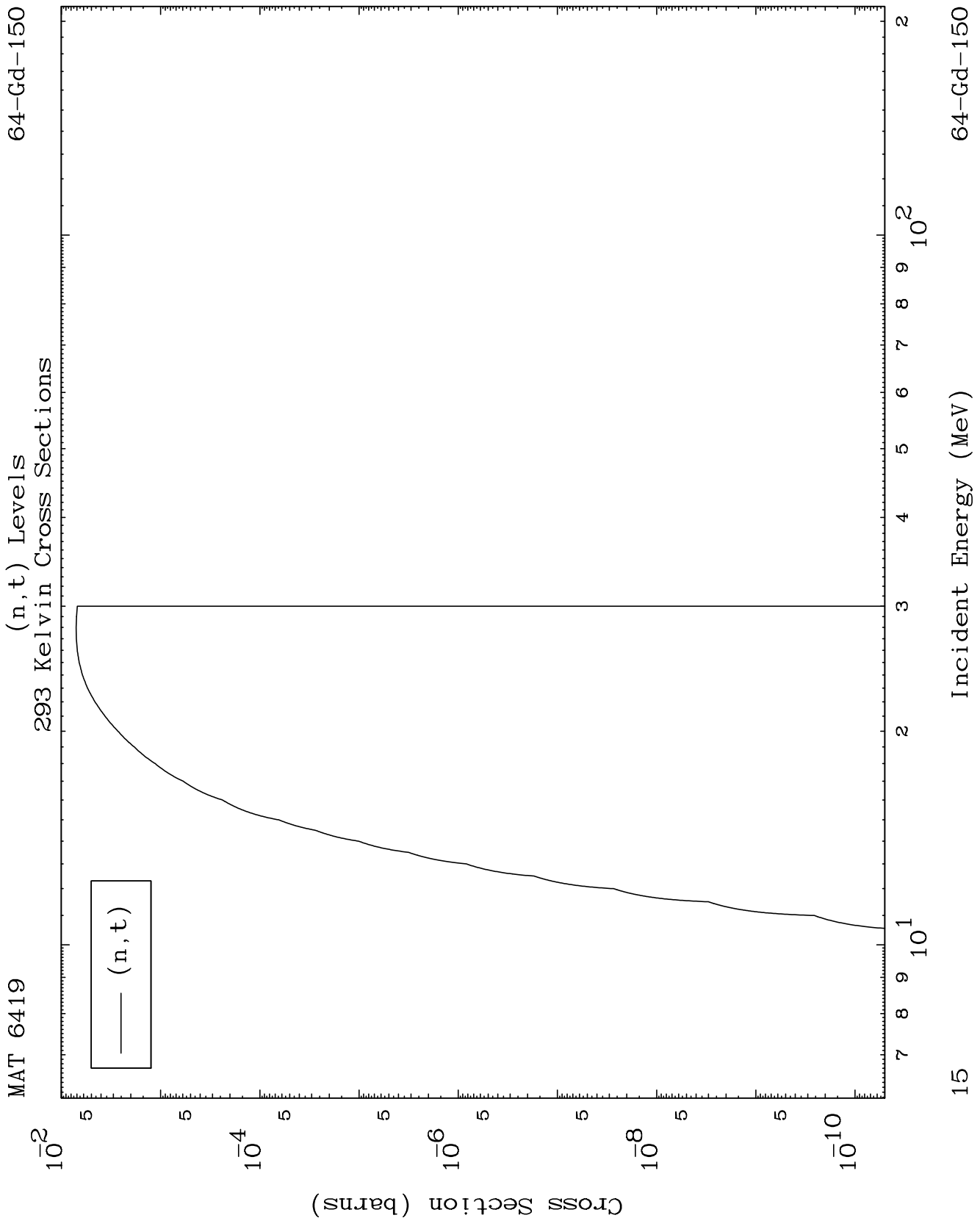
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14

Incident Energy (MeV)

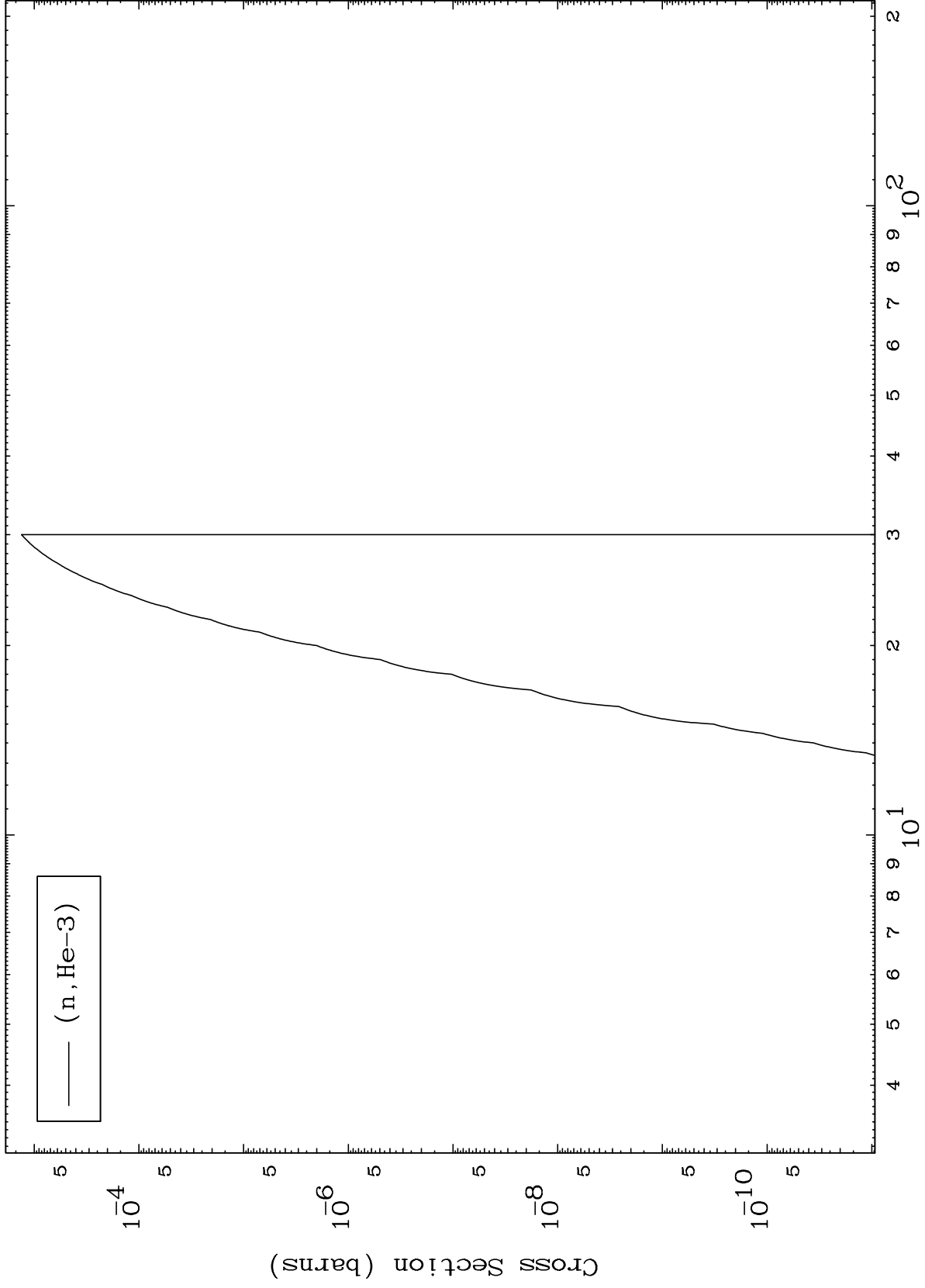
64-Gd-150



MAT 6419

(n,He3) Levels
293 Kelvin Cross Sections

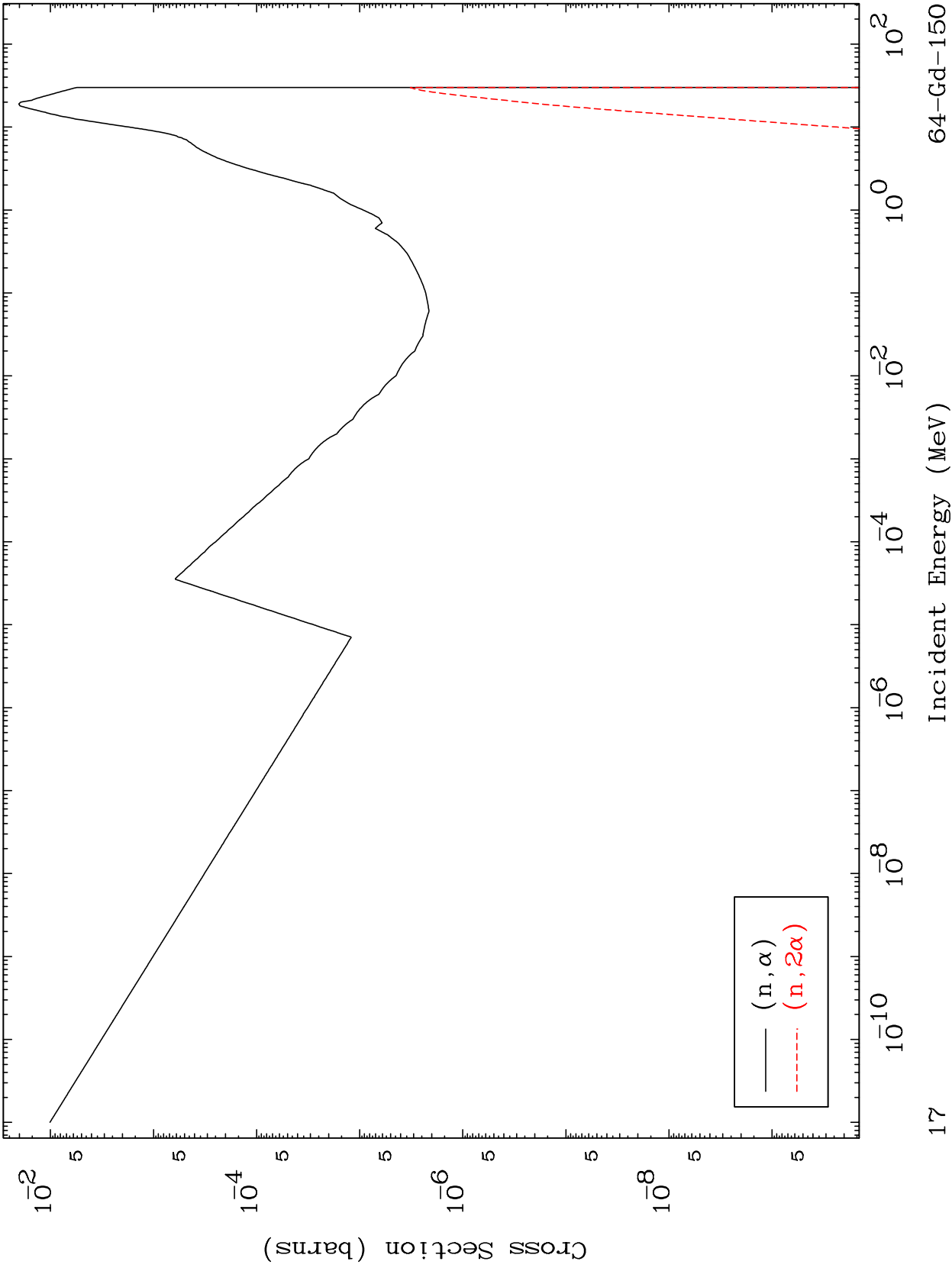
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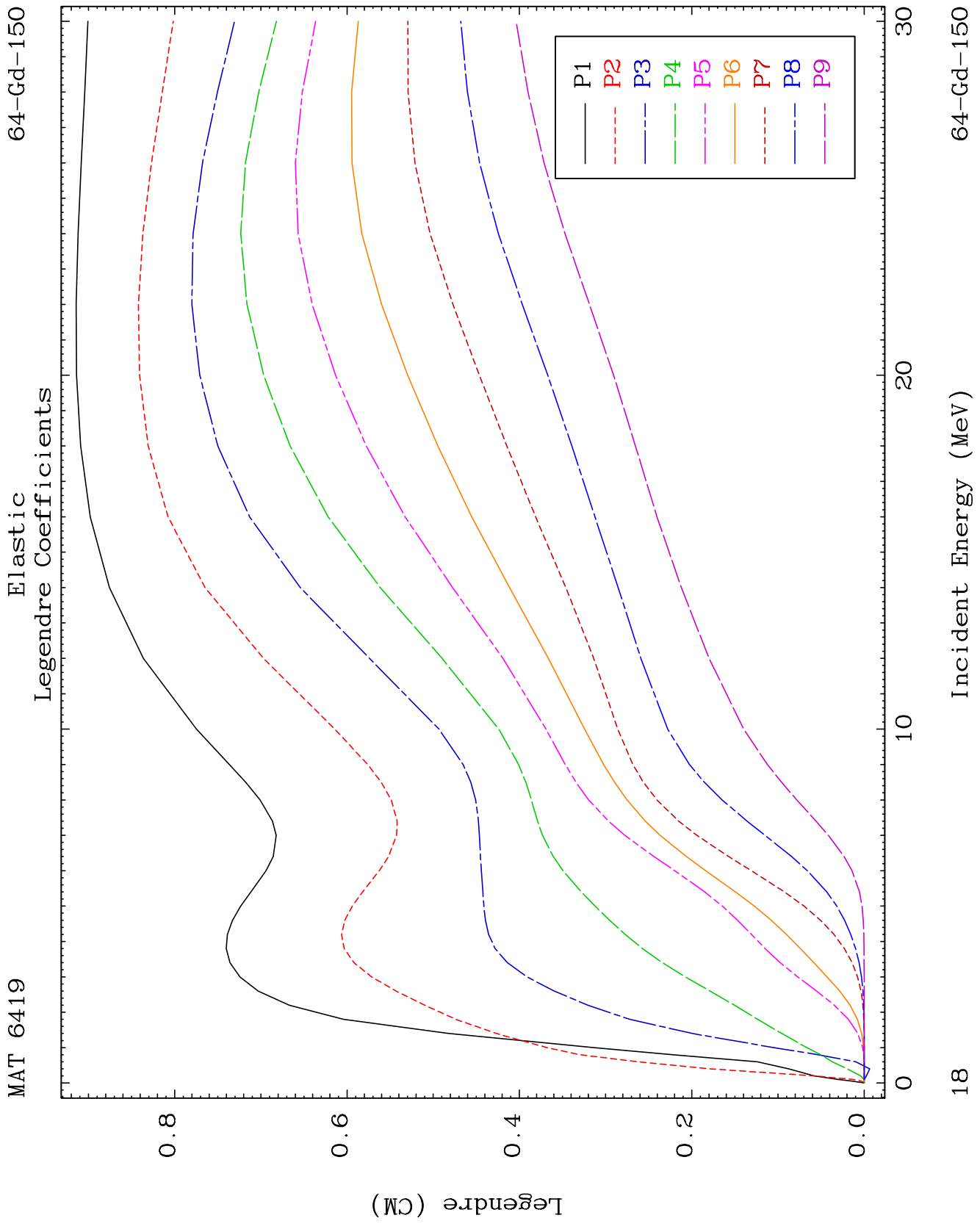


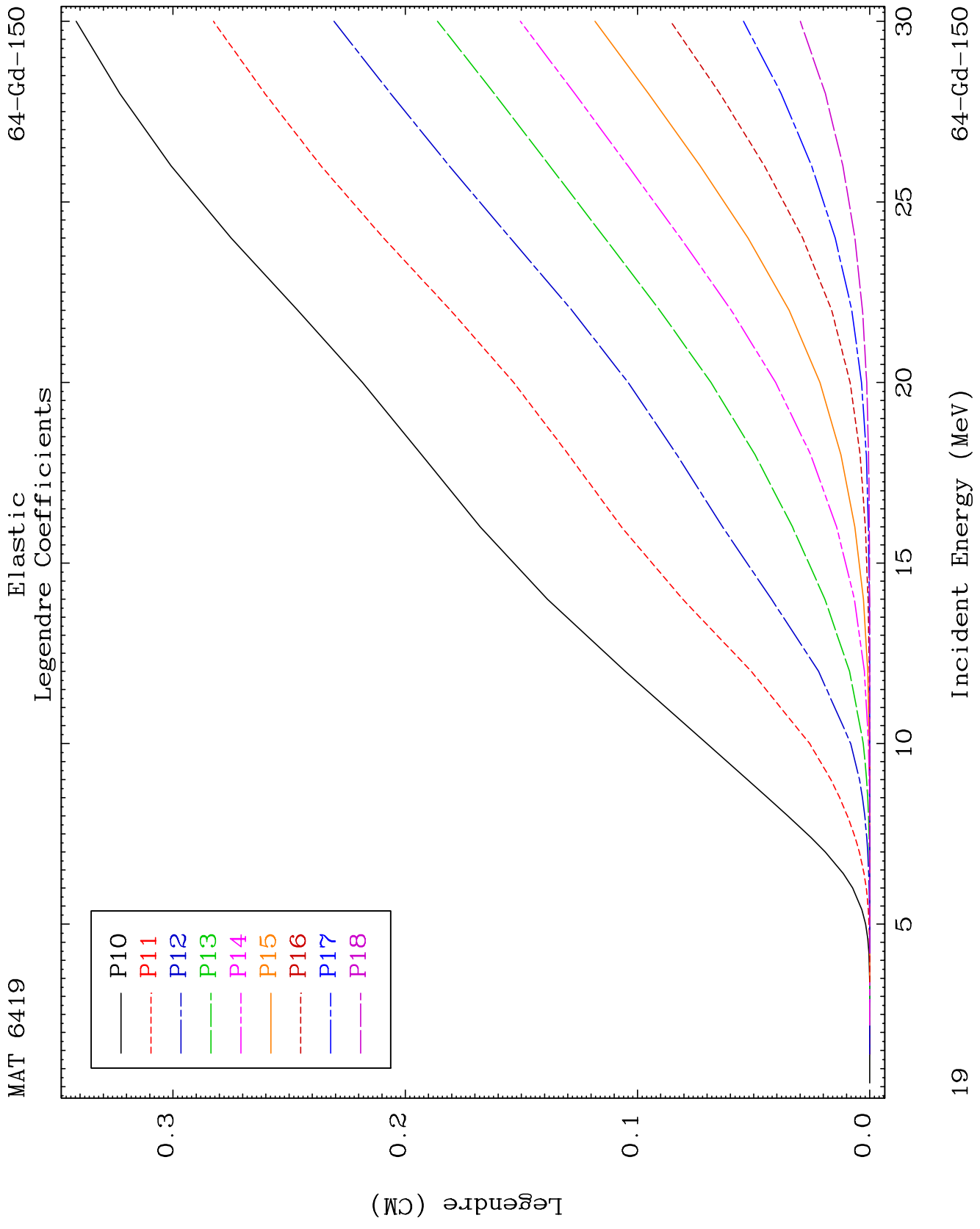
MAT 6419

(n,α) Levels
293 Kelvin Cross Sections

64-Gd-150



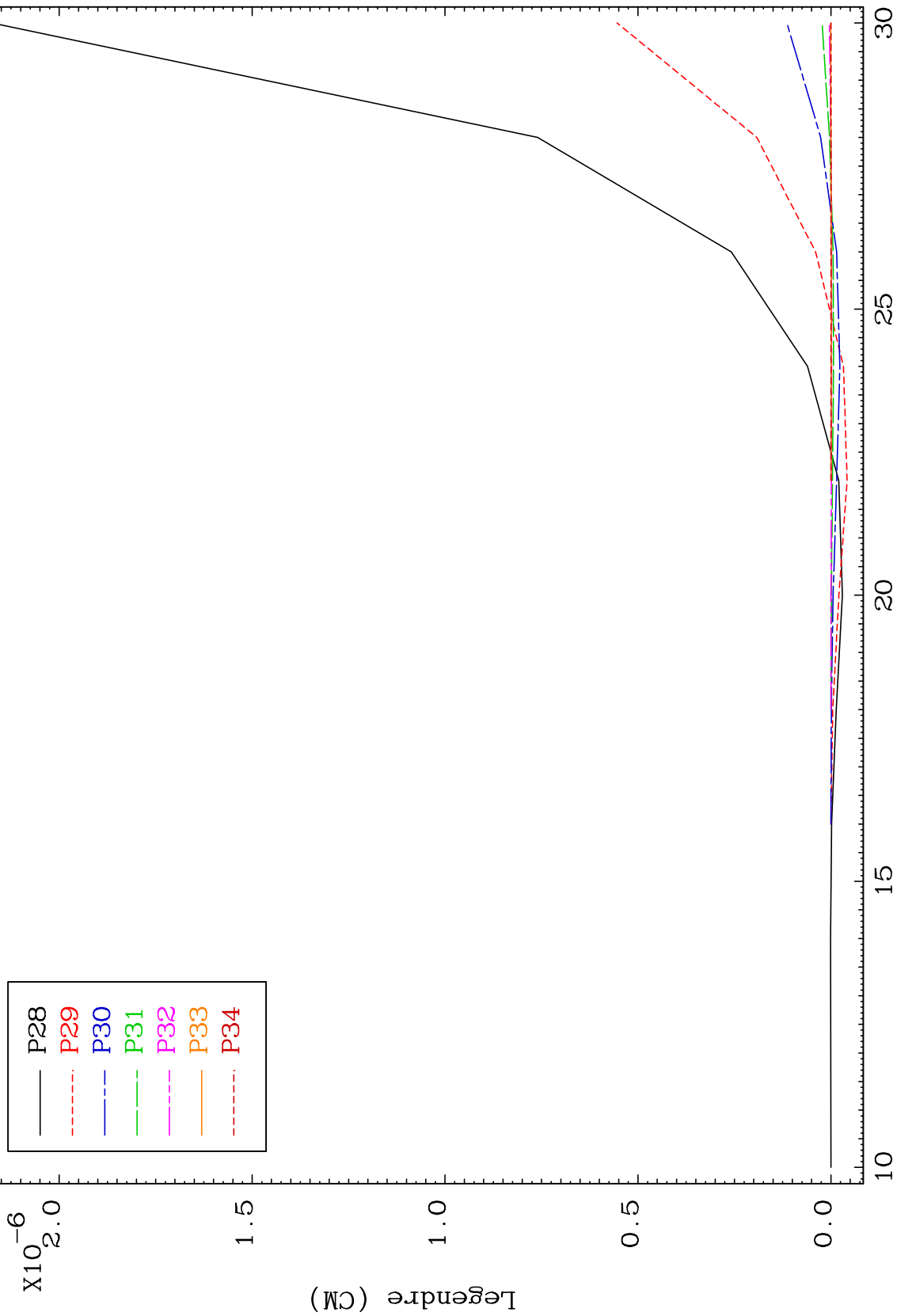
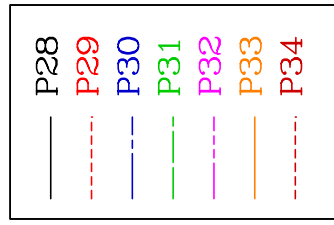




MAT 6419

Elastic
Legendre Coefficients

64-Gd-150



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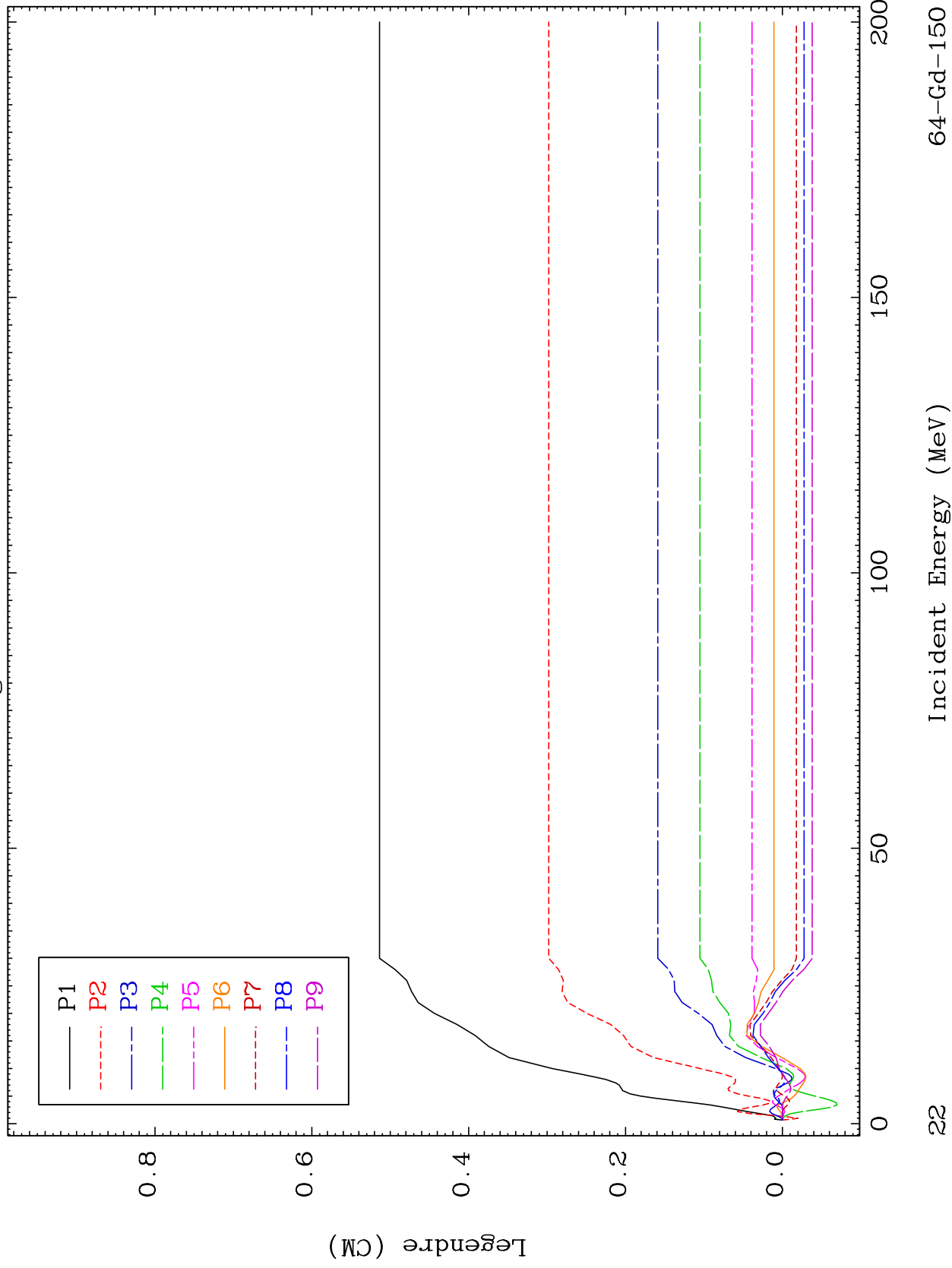
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

64-Gd-150



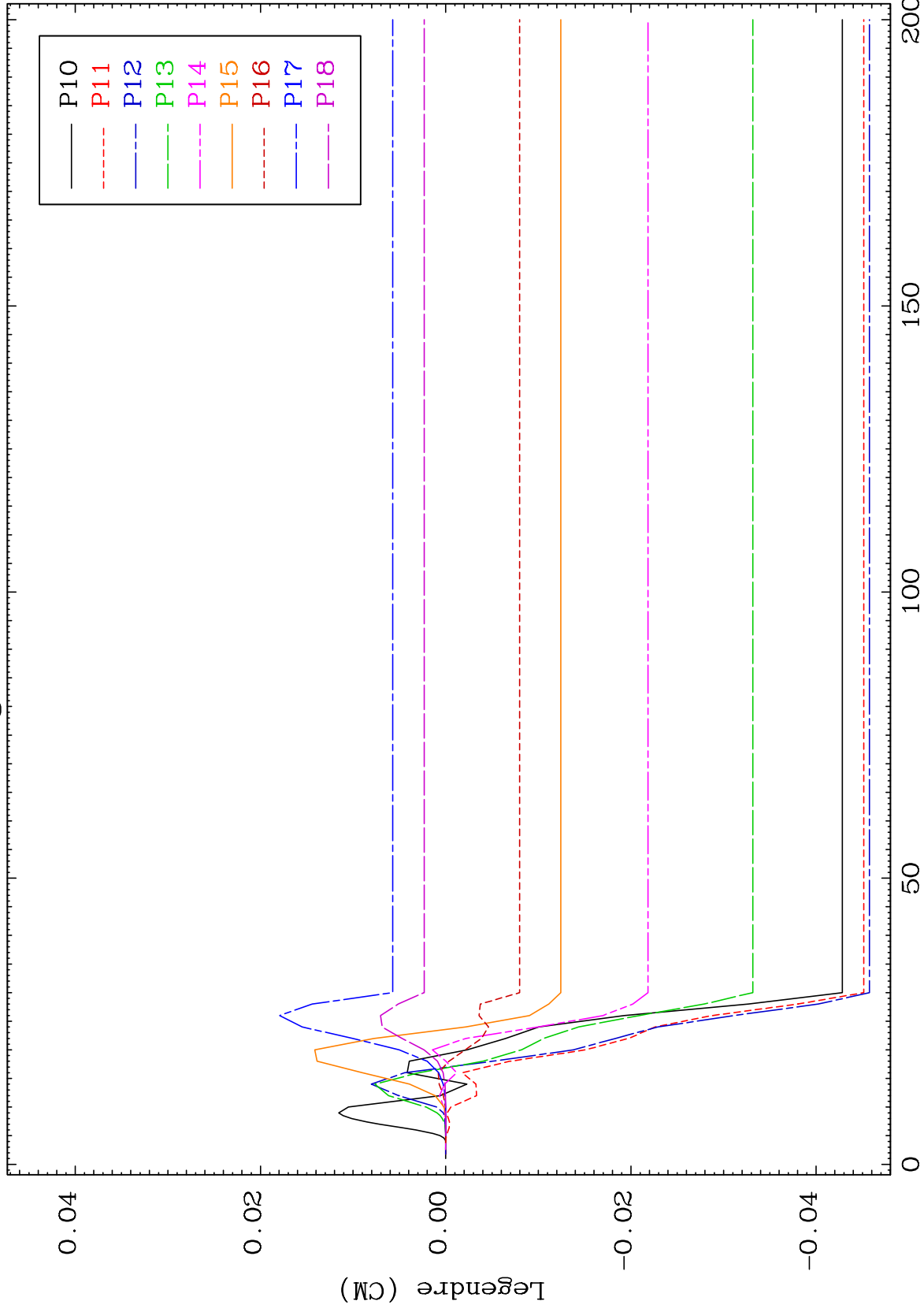
22

64-Gd-150

MAT 6419

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

64-Gd-150



23

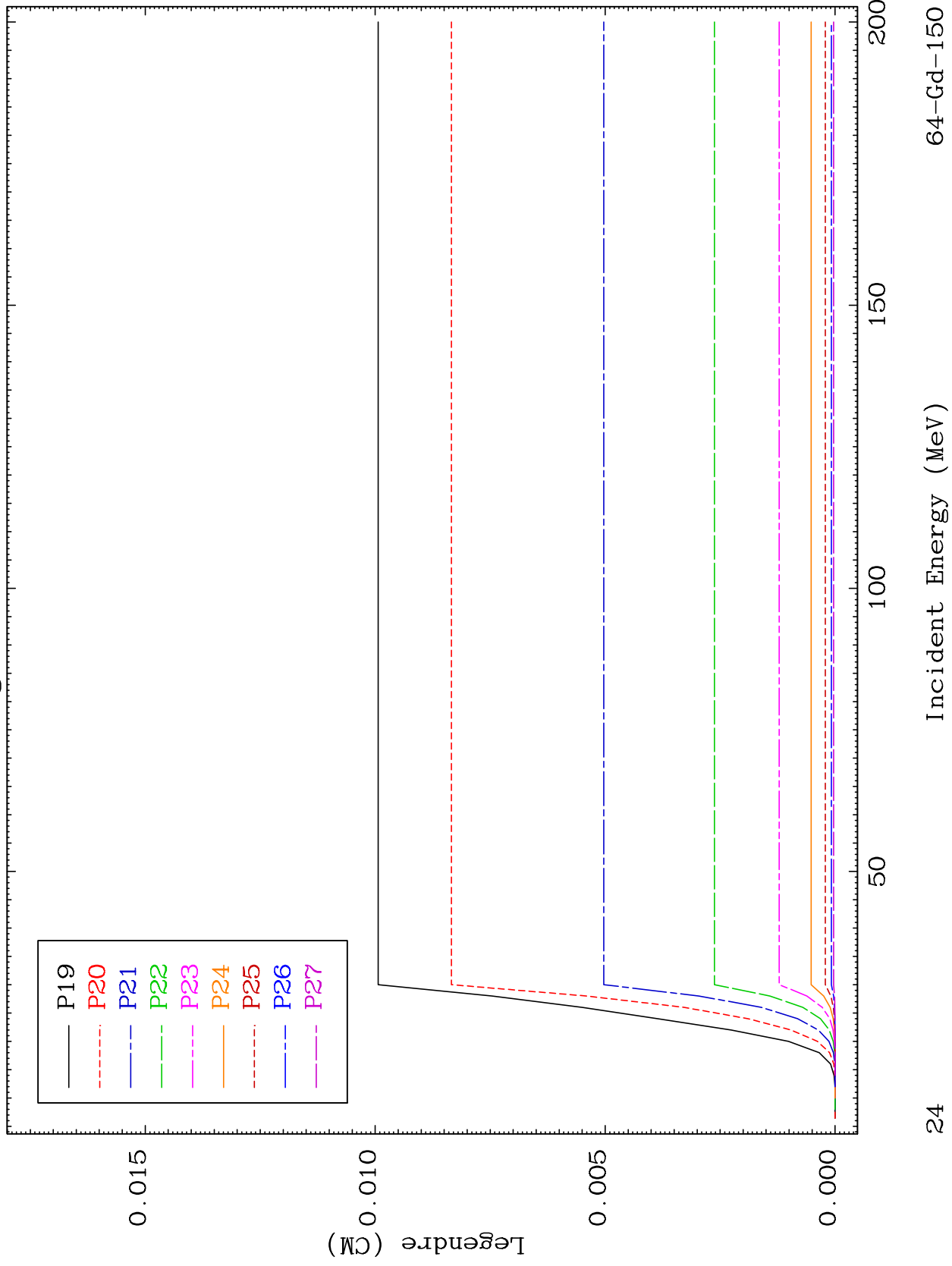
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

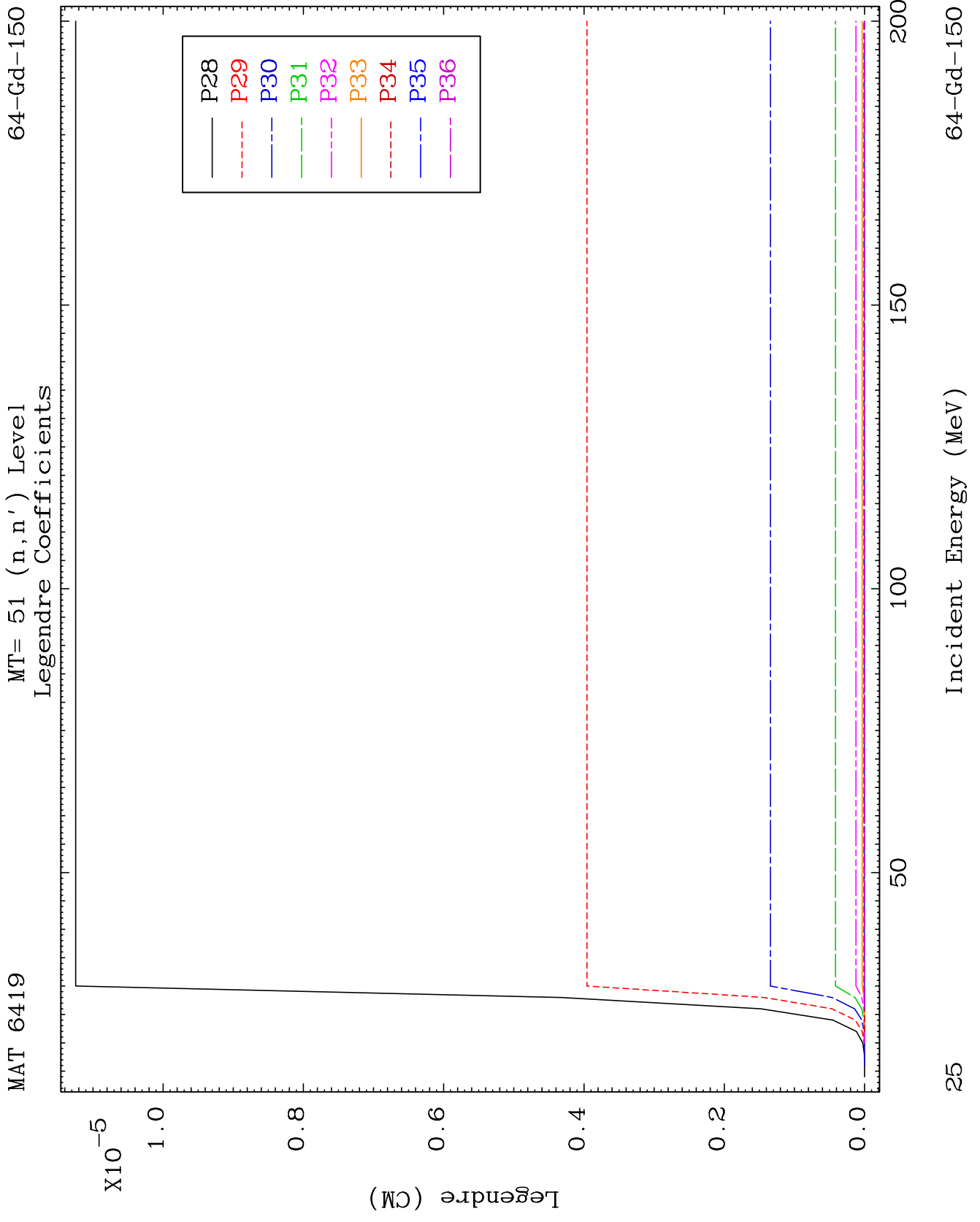
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24

Incident Energy (MeV)

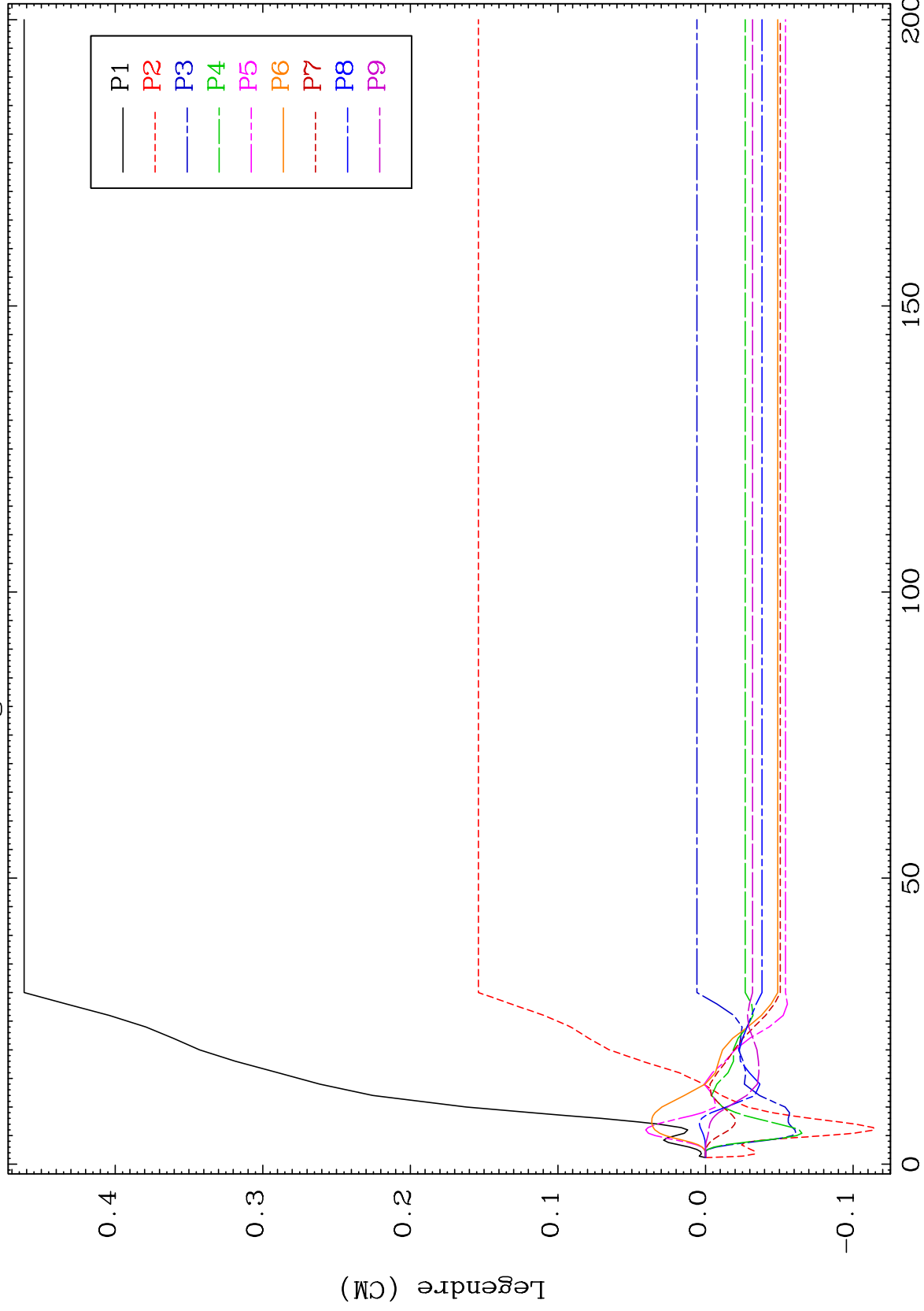
64-Gd-150



MAT 6419

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

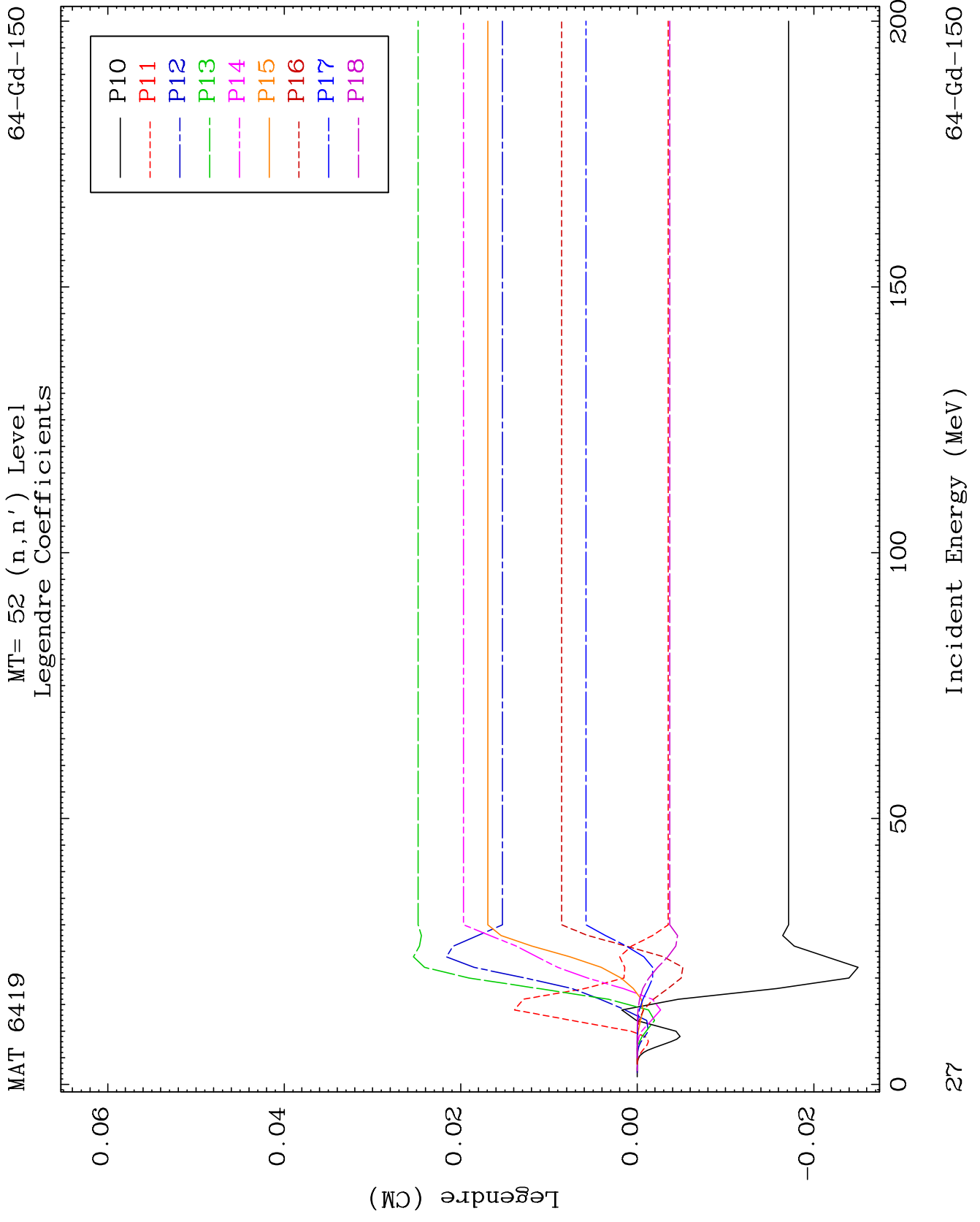
64-Gd-150



26

Incident Energy (MeV)

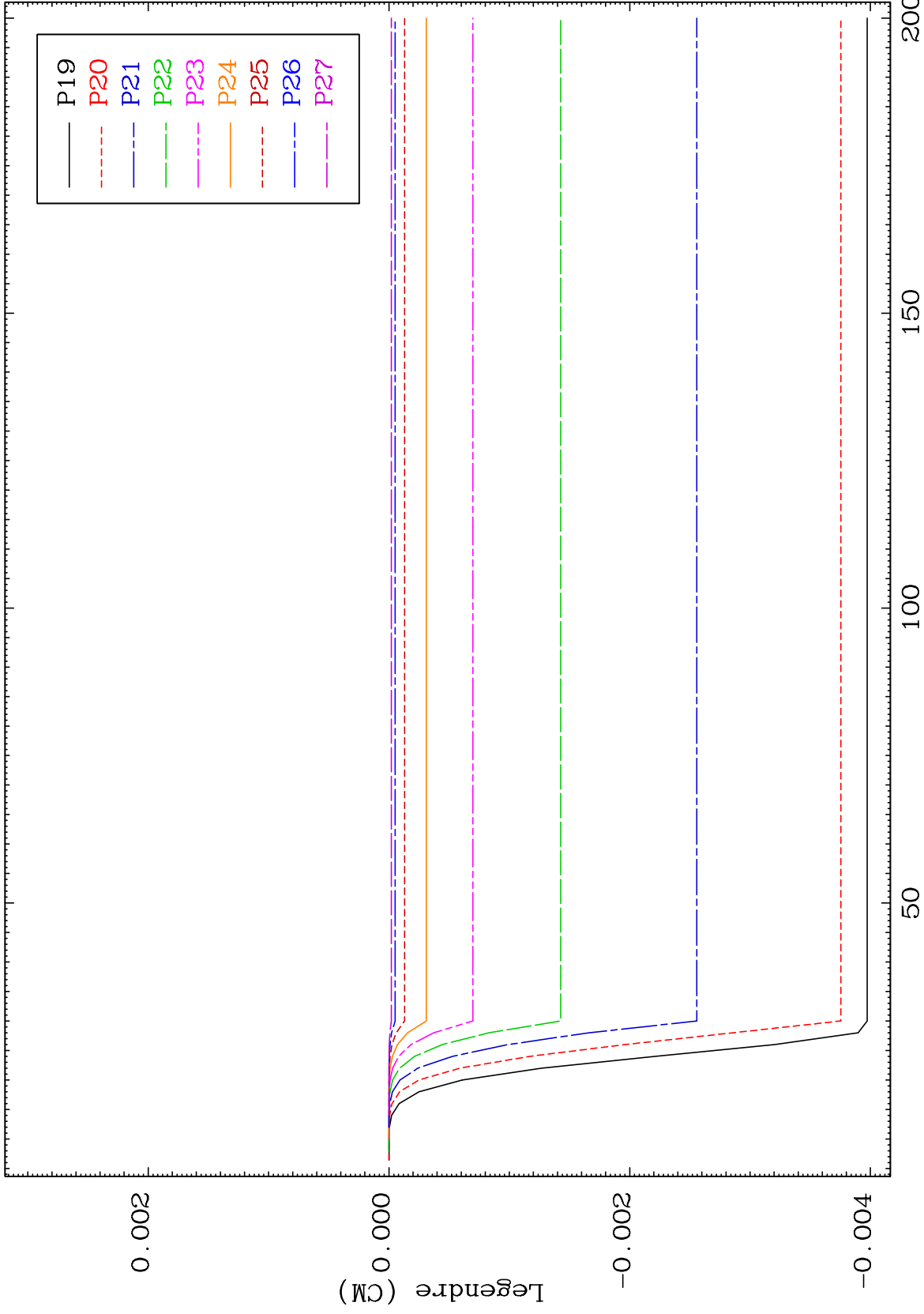
64-Gd-150



MAT 6419

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

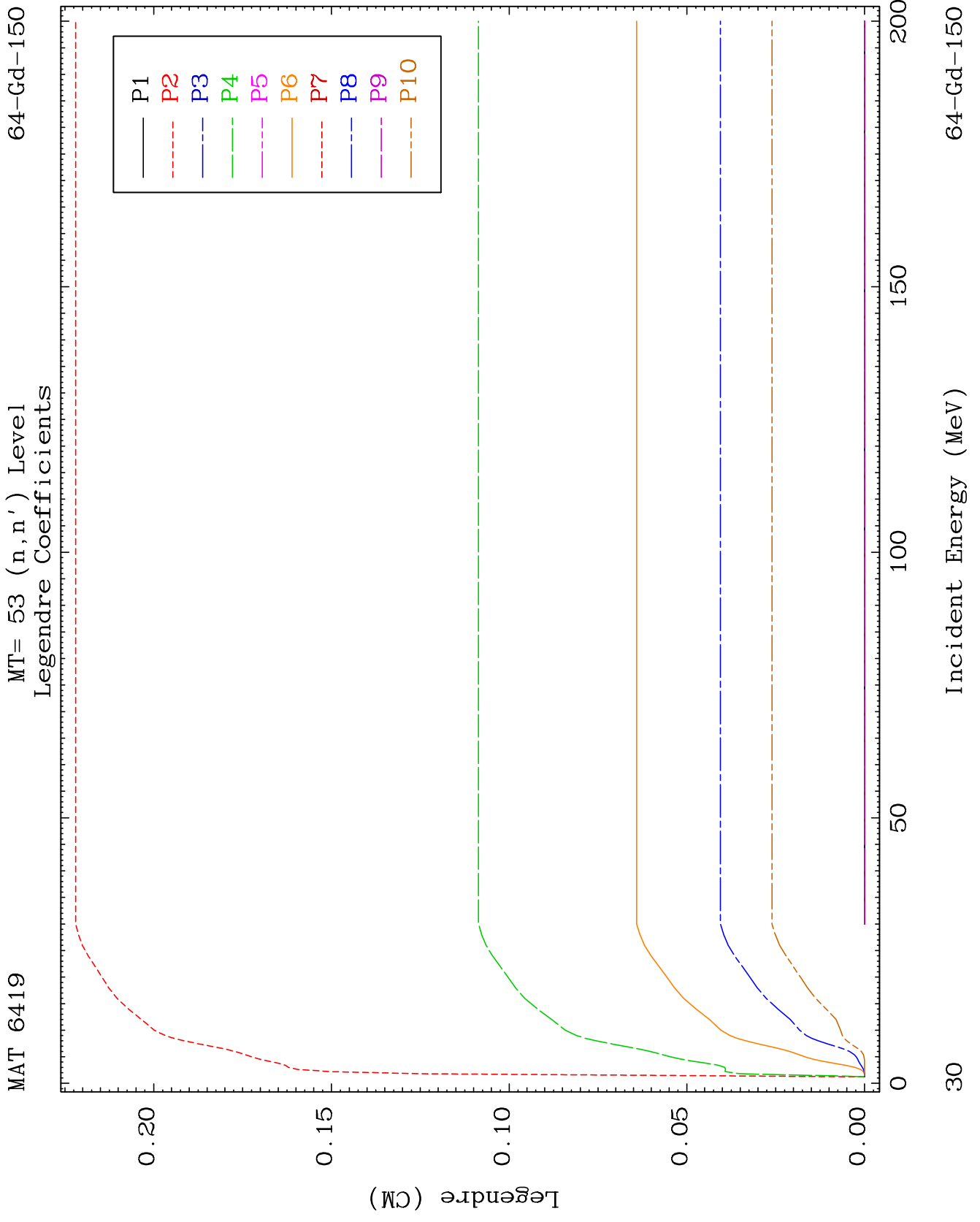
64-Gd-150



28

Incident Energy (MeV)

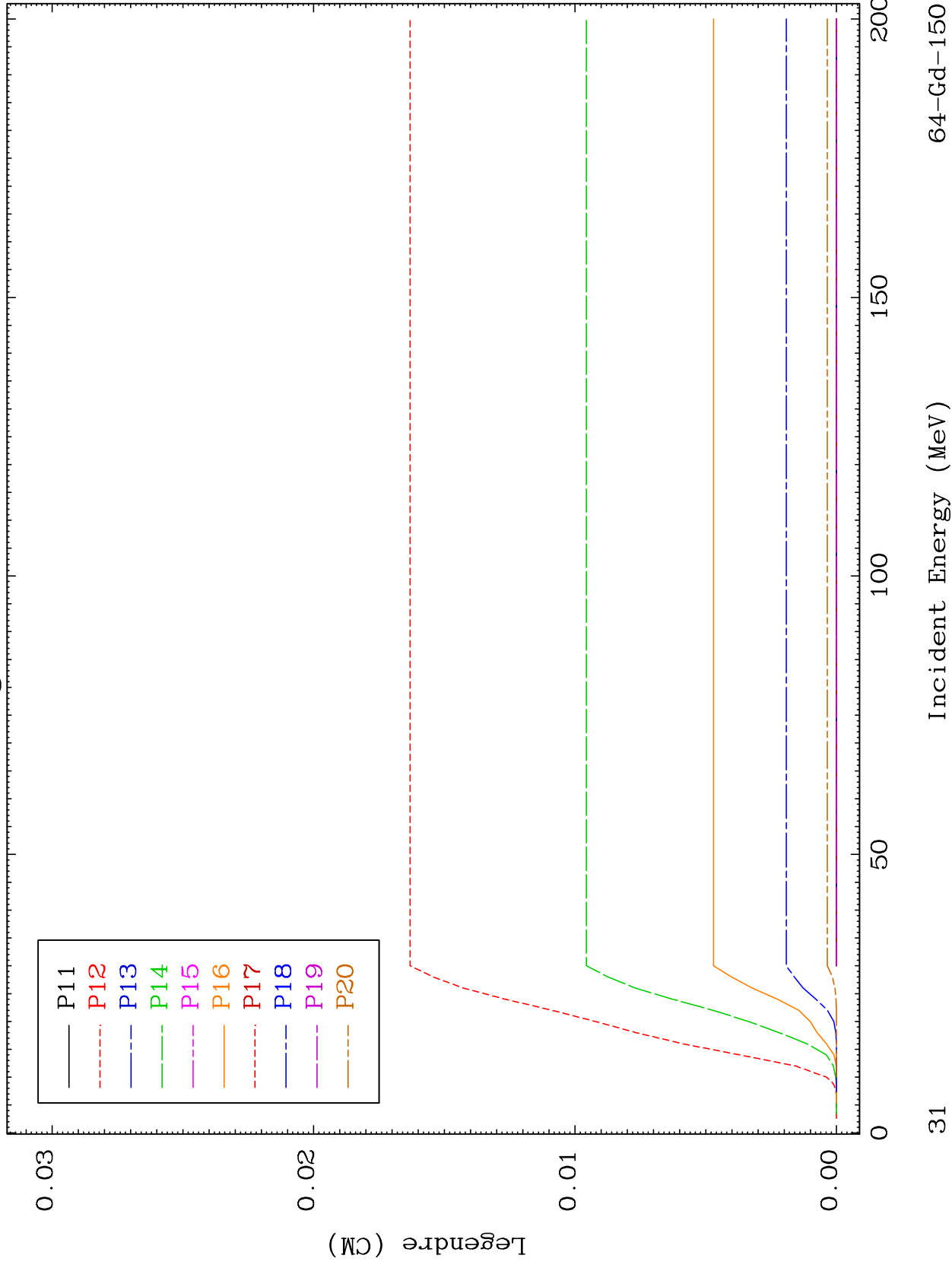
64-Gd-150



MAT 6419

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

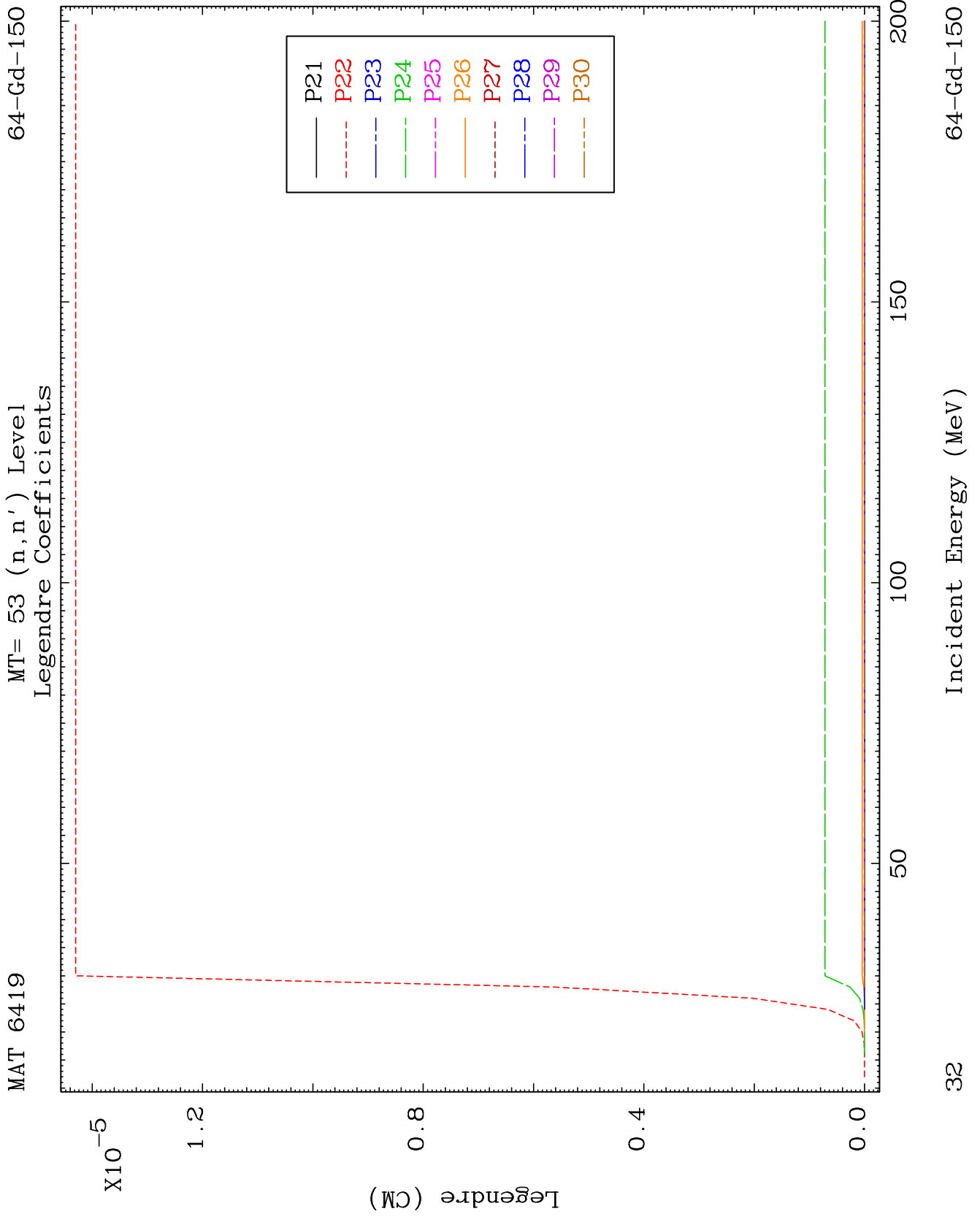
64-Gd-150



31

Incident Energy (MeV)

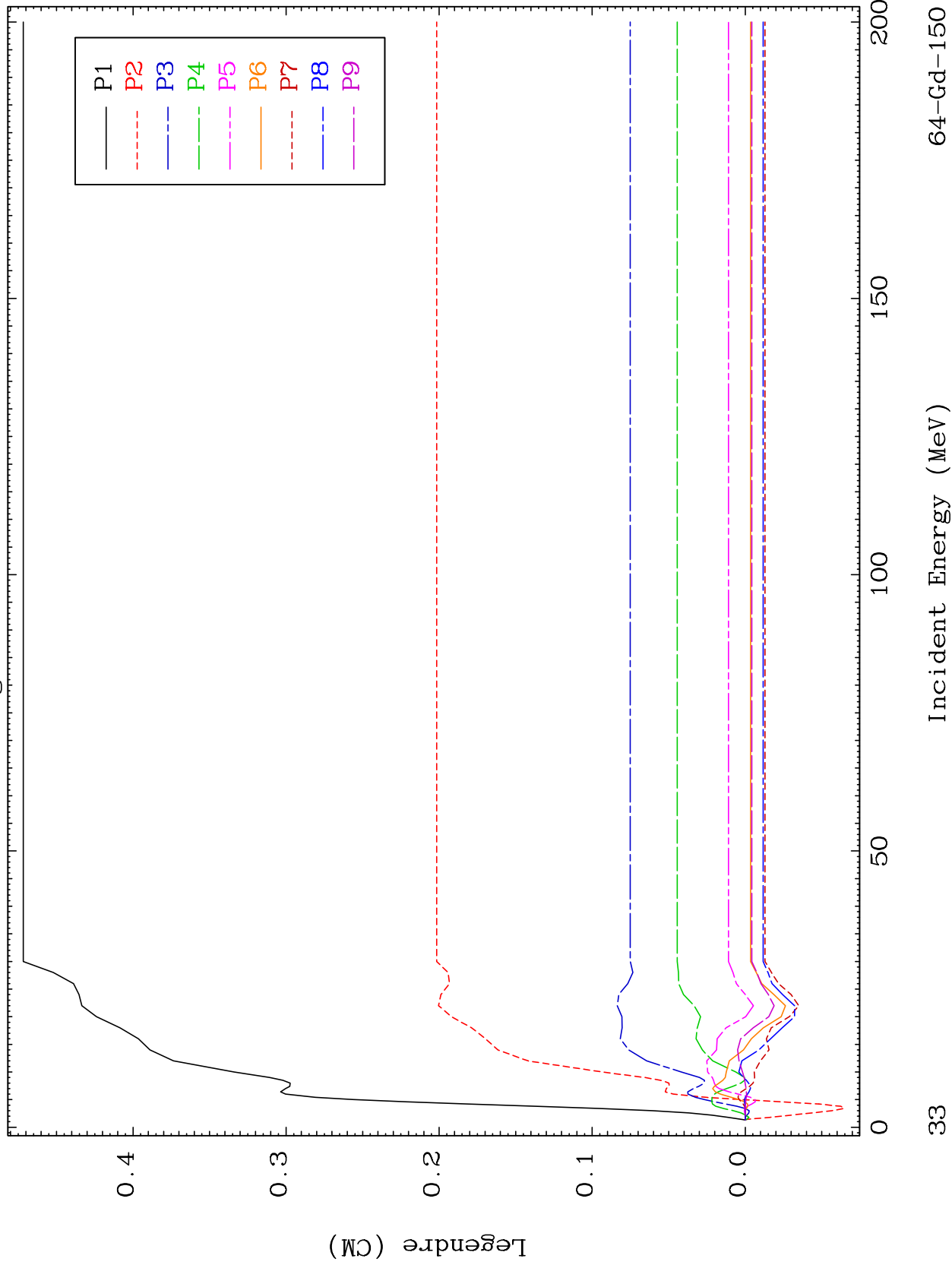
64-Gd-150



MAT 6419

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

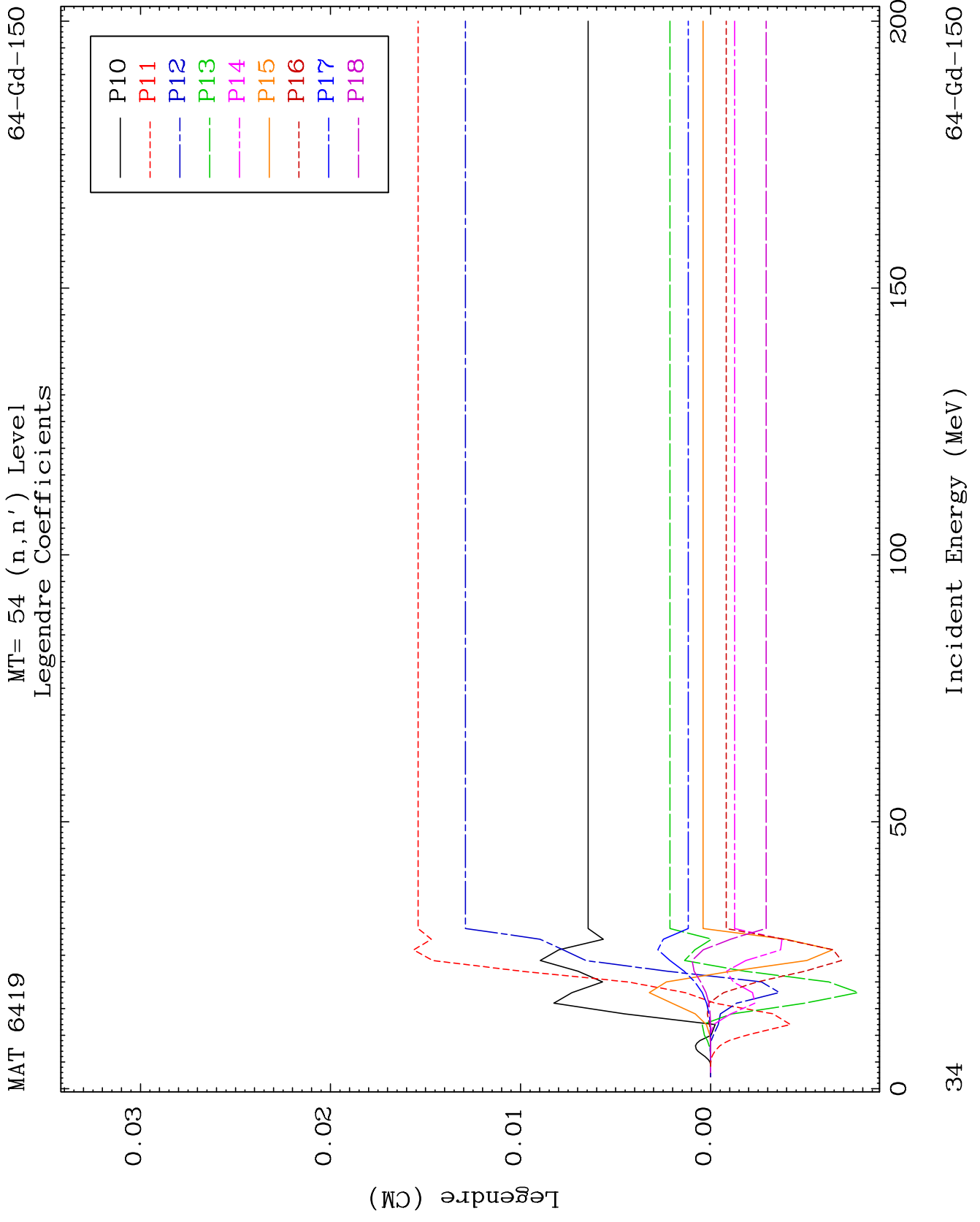
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33

Incident Energy (MeV)

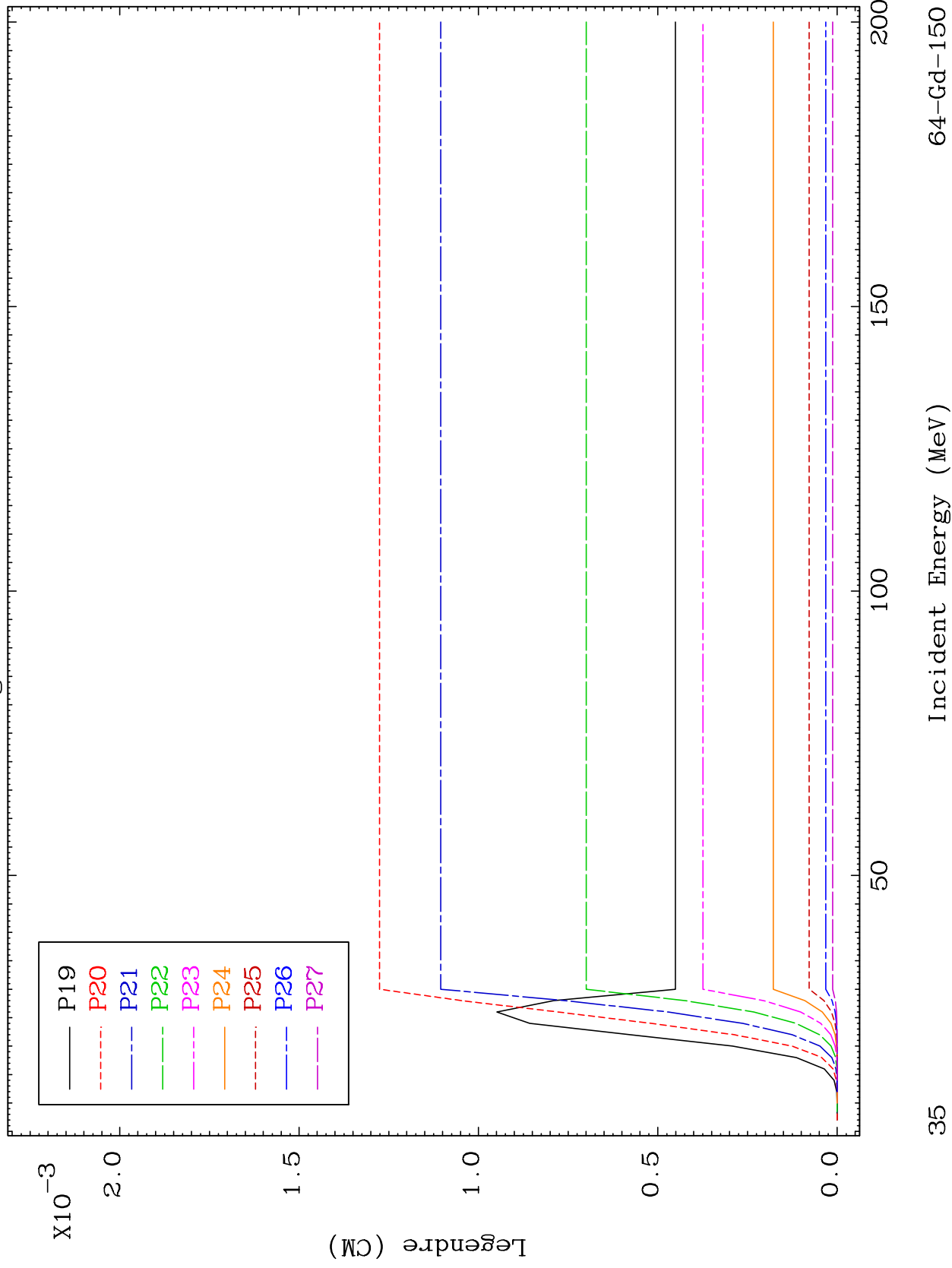
64-Gd-150



MAT 6419

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

64-Gd-150



35

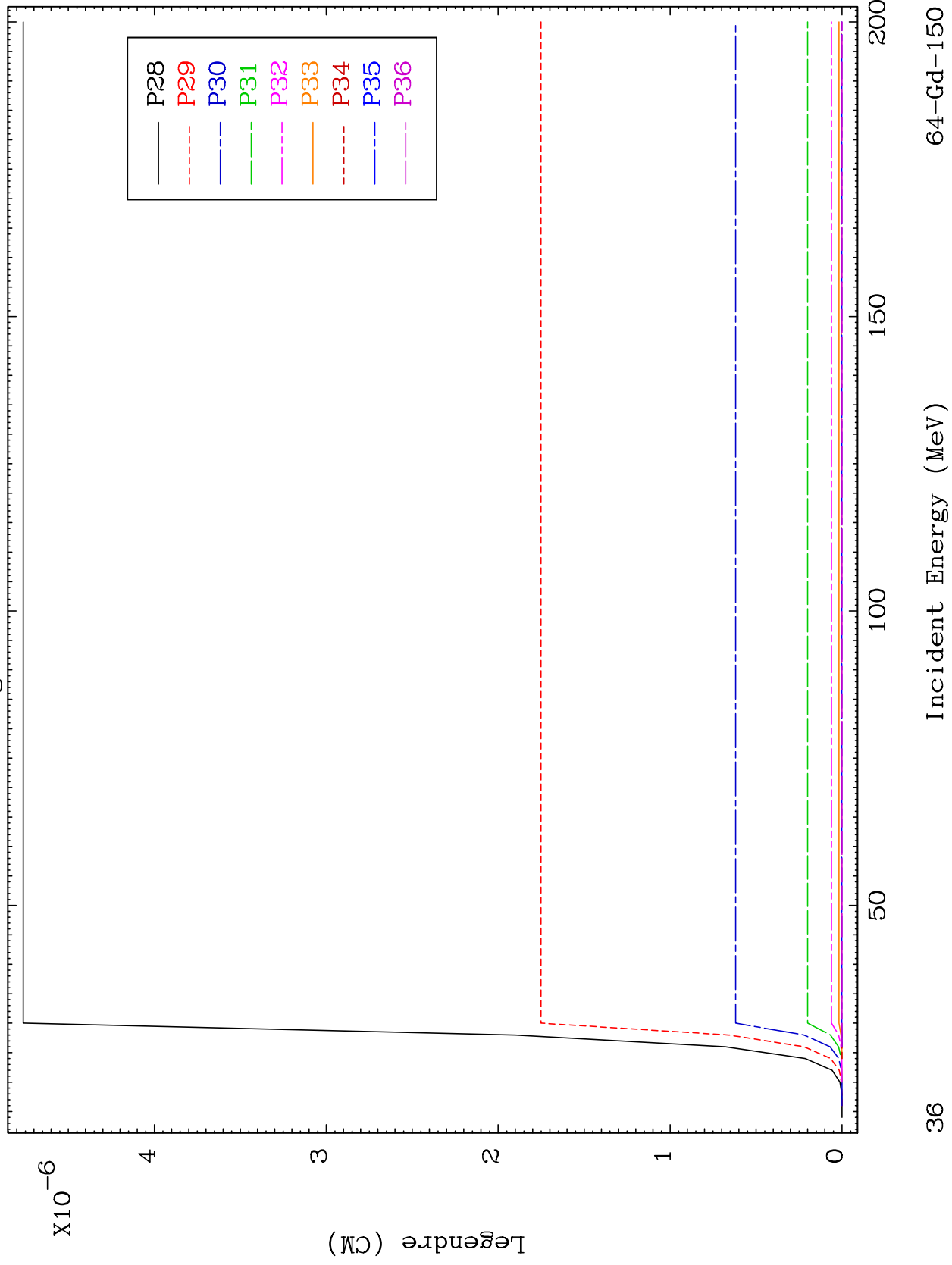
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

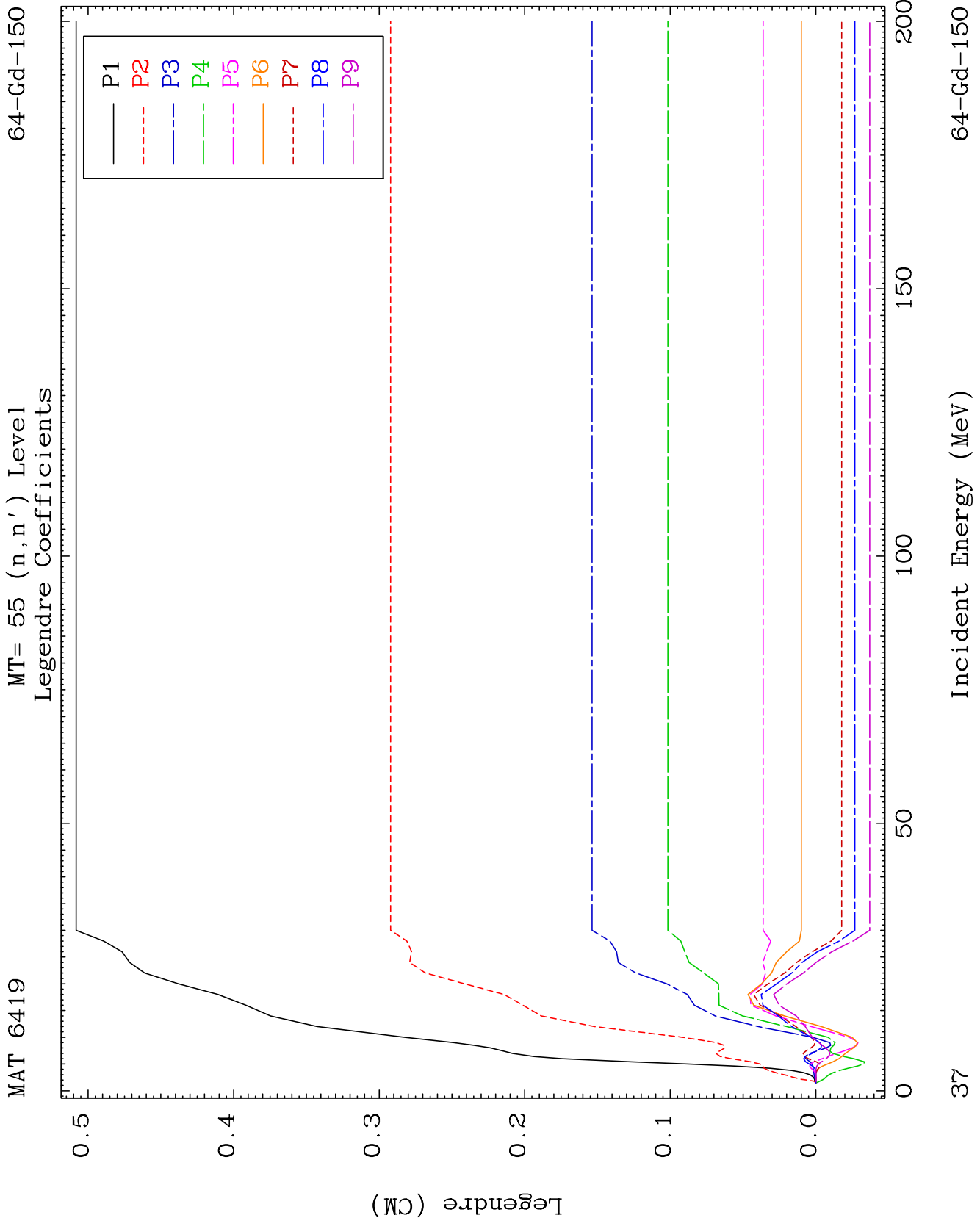
64-Gd-150



36

Incident Energy (MeV)

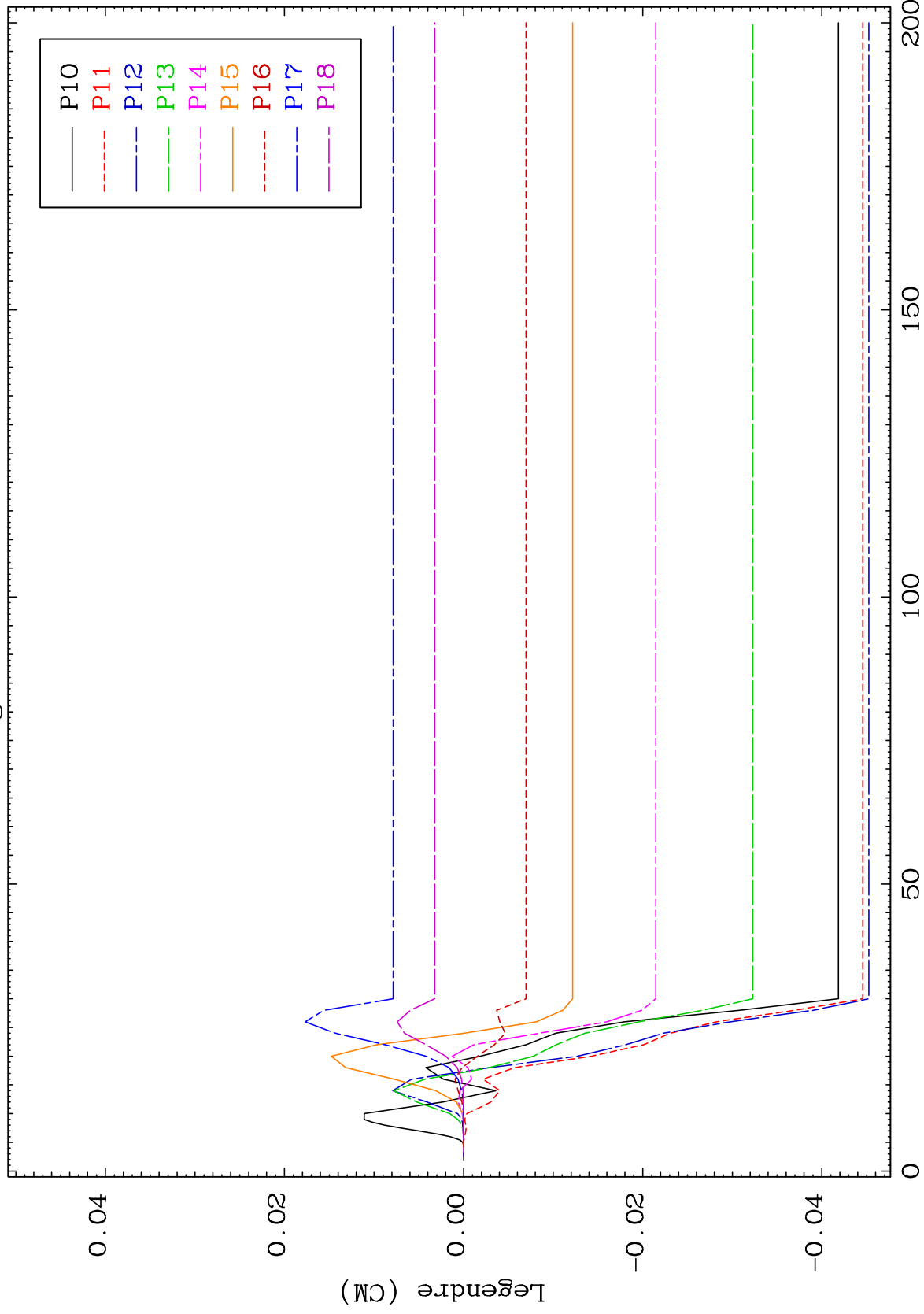
64-Gd-150



MAT 6419

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

64-Gd-150



38

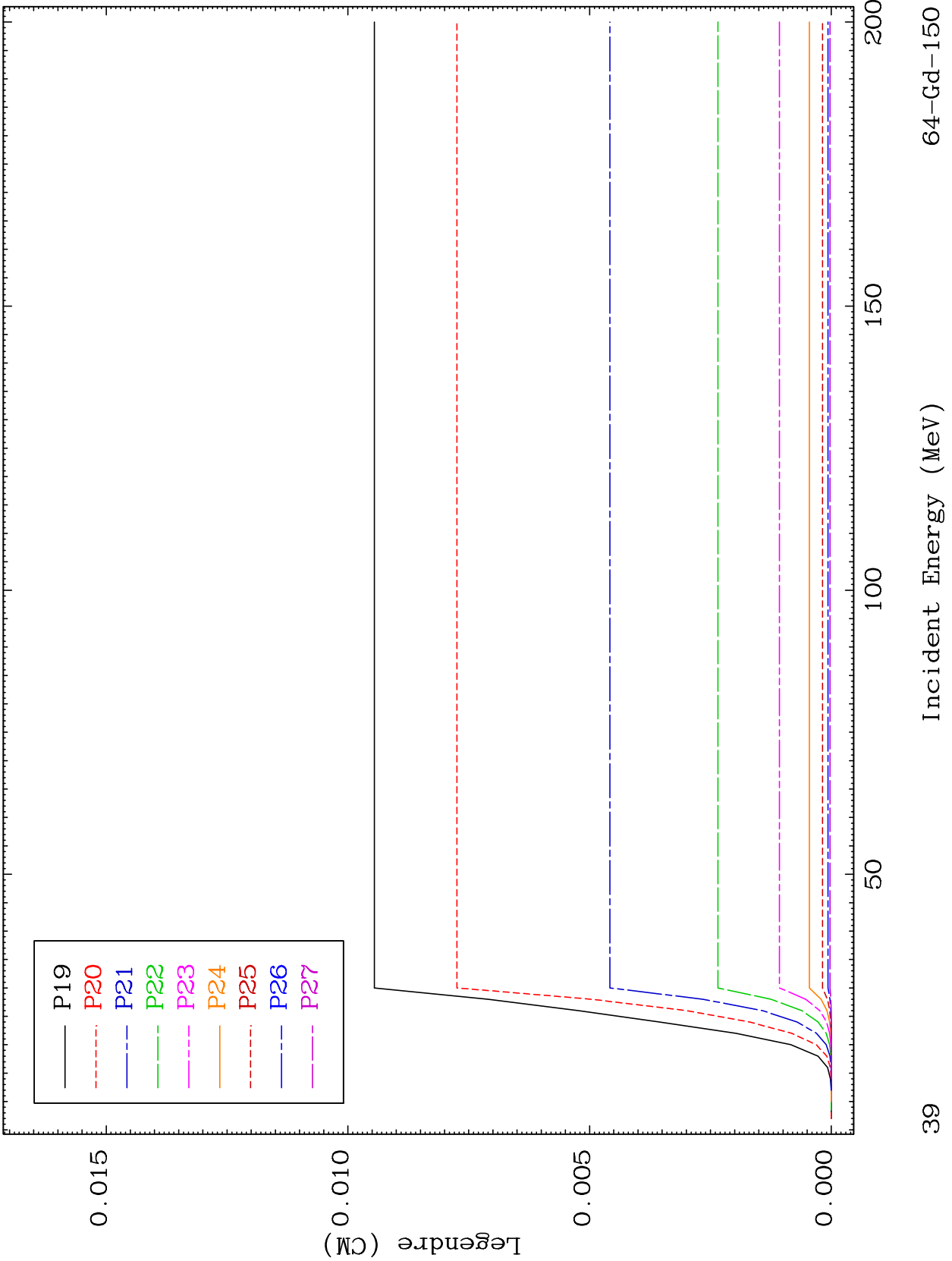
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

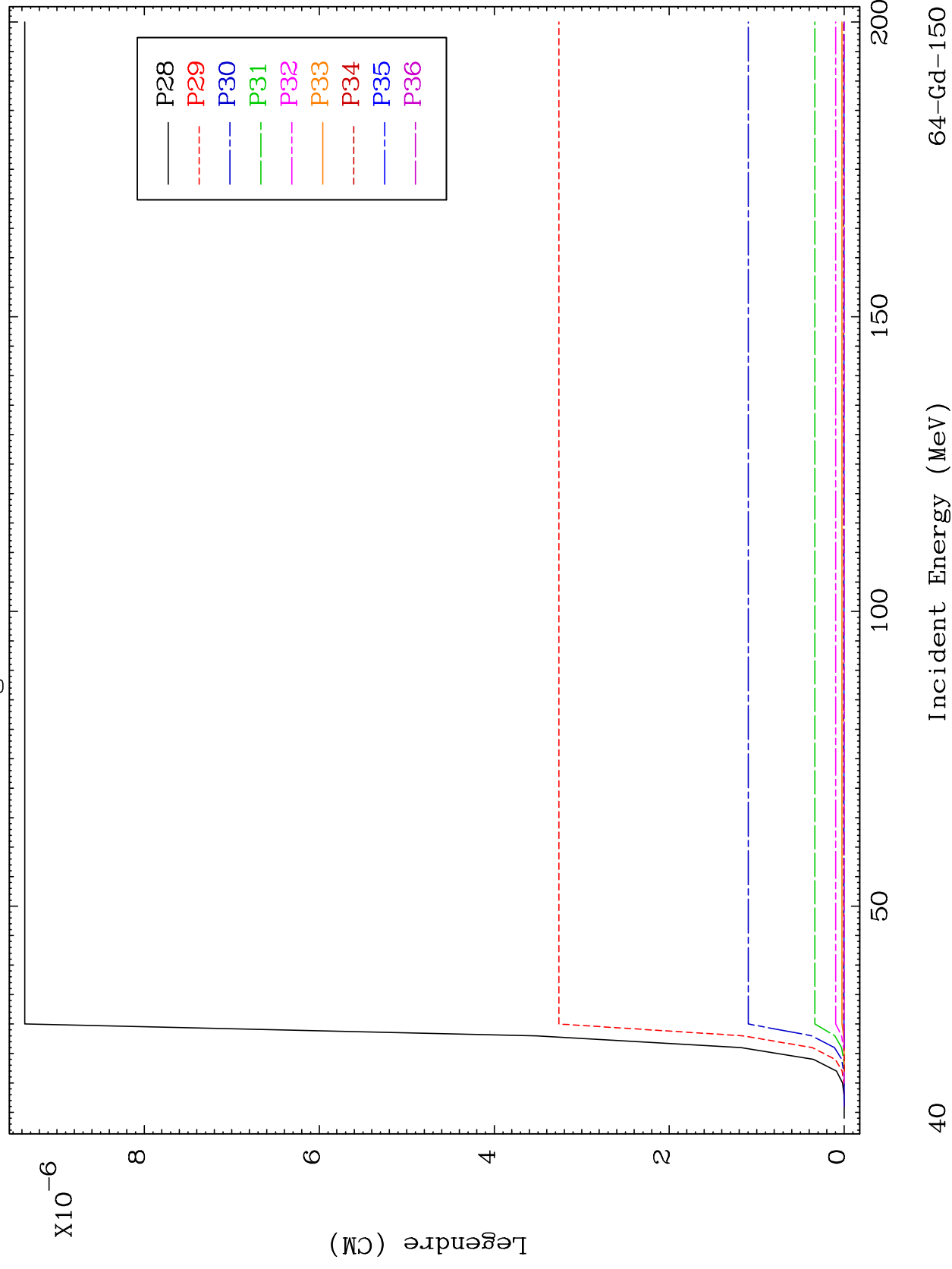
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MAT 6419

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

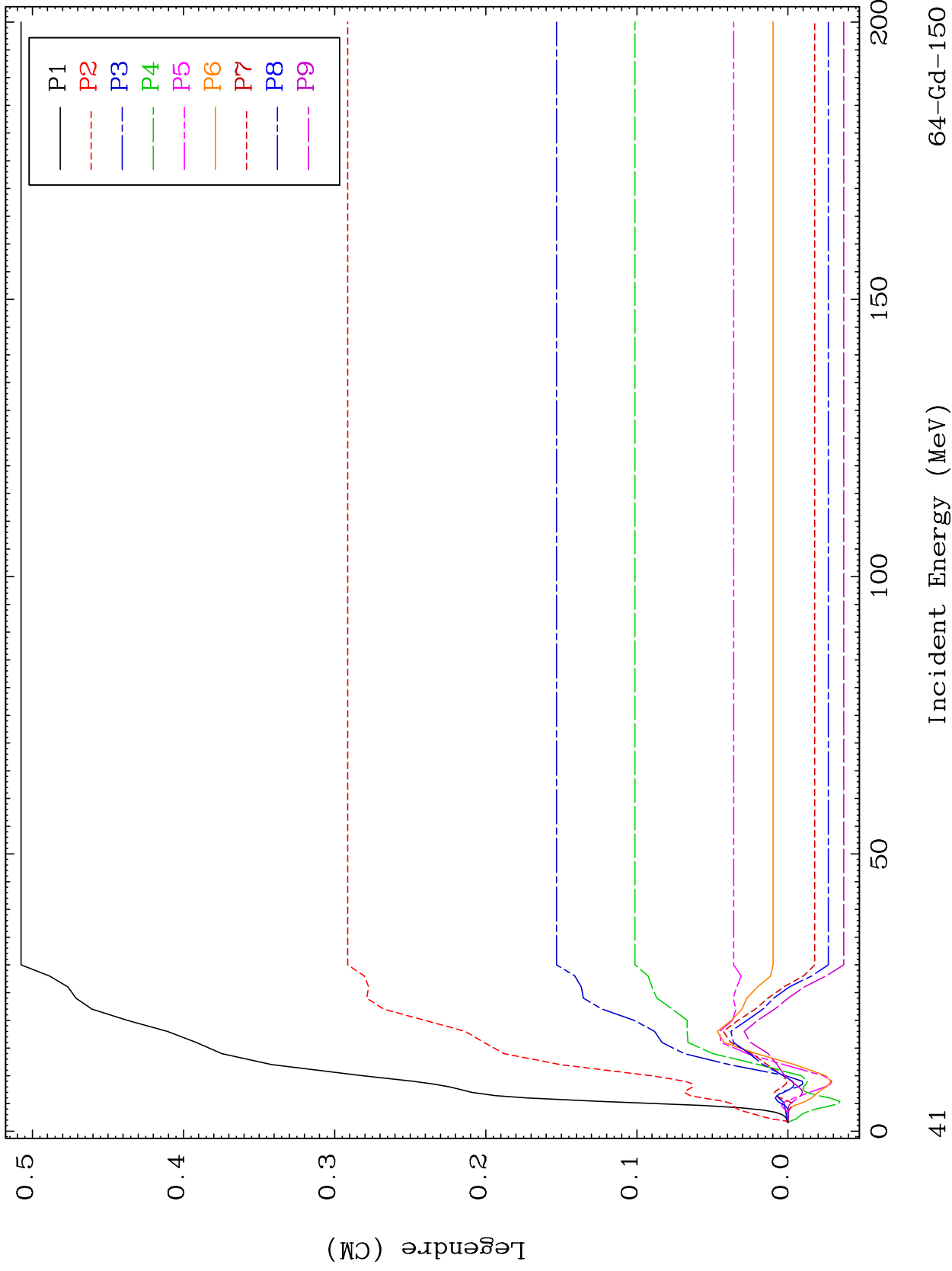
64-Gd-150



MAT 6419

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

64-Gd-150



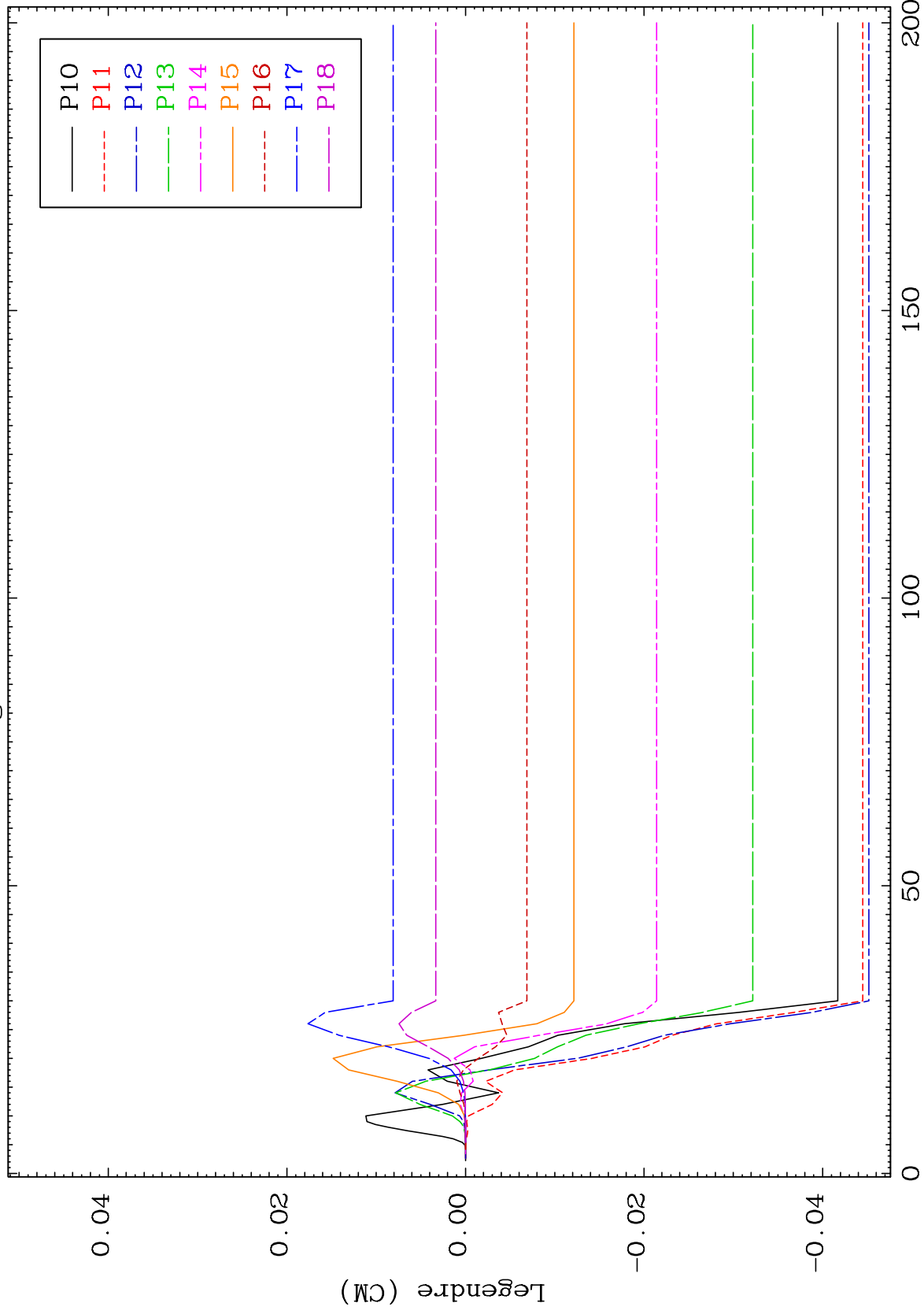
41

64-Gd-150

MAT 6419

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

64-Gd-150



42

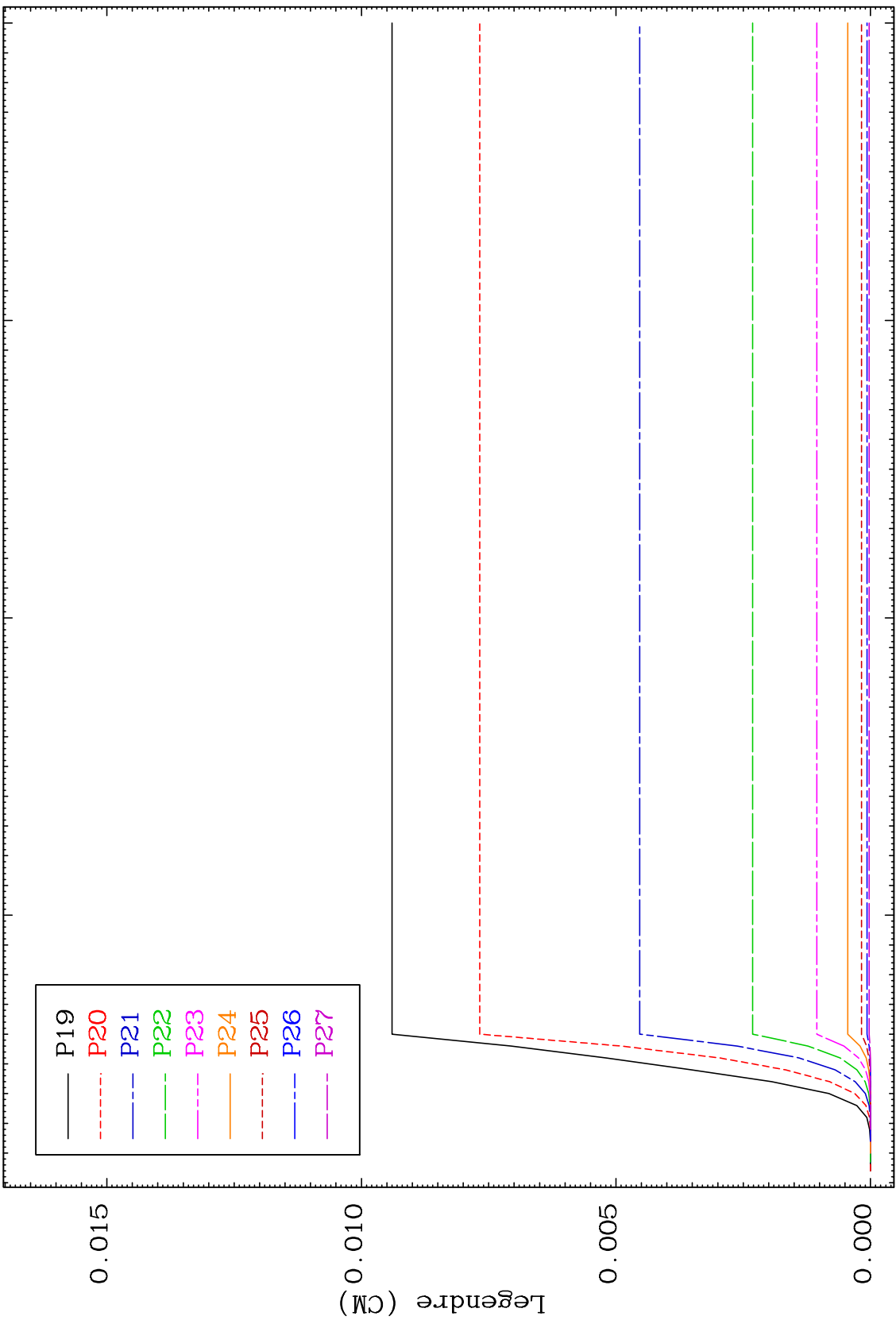
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

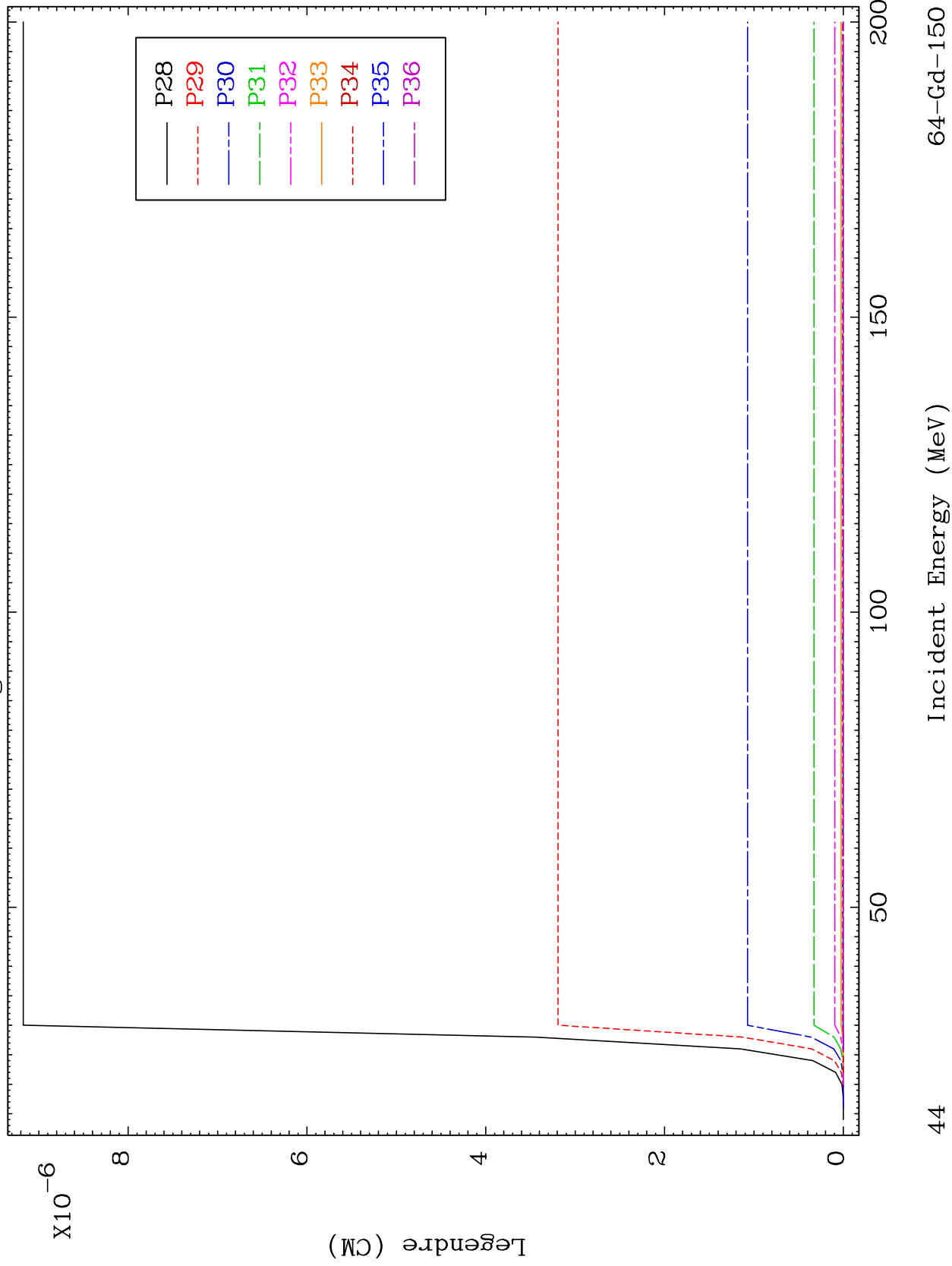
64-Gd-150



MAT 6419

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

64-Gd-150



44

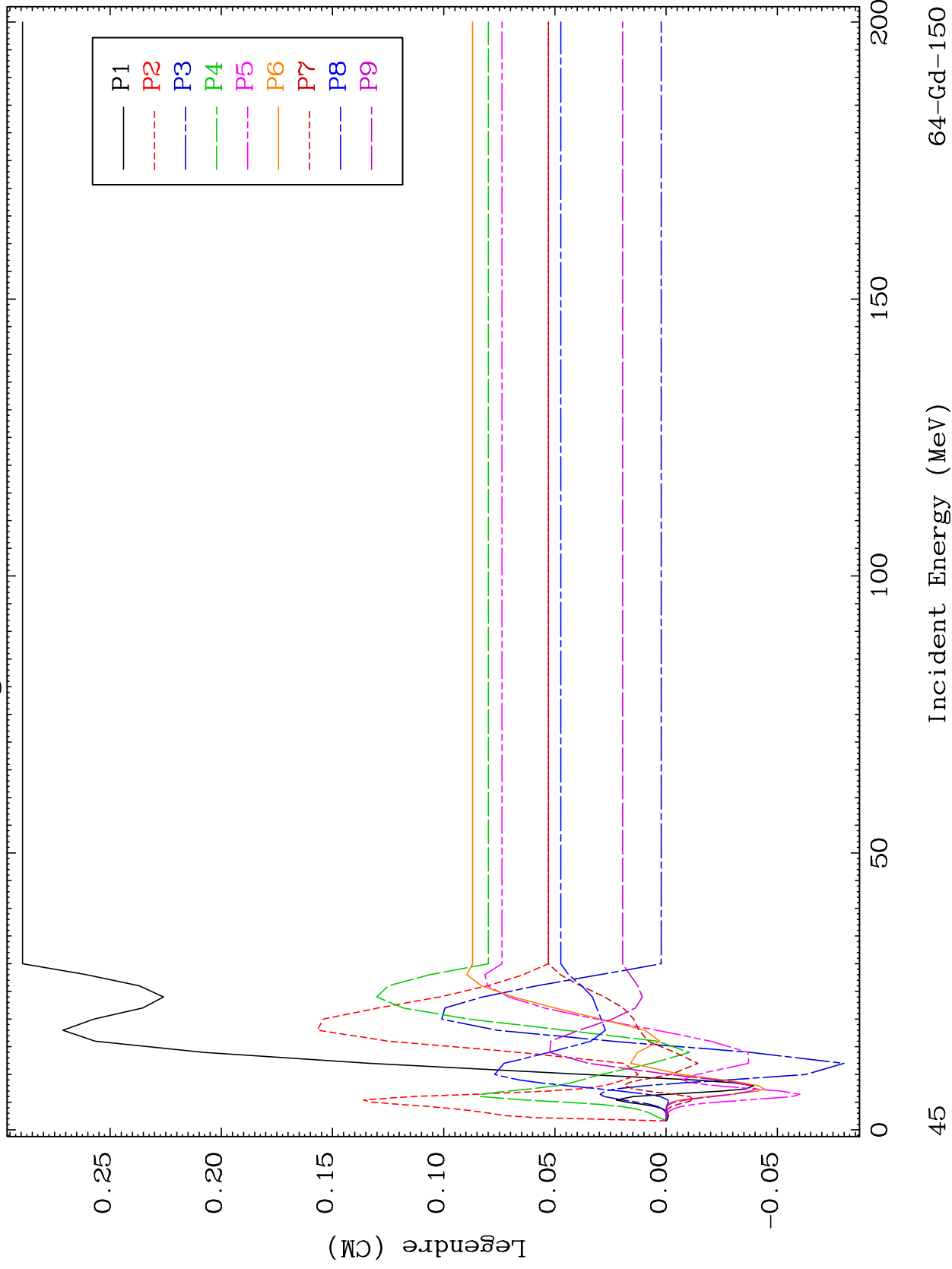
Incident Energy (MeV)

64-Gd-150

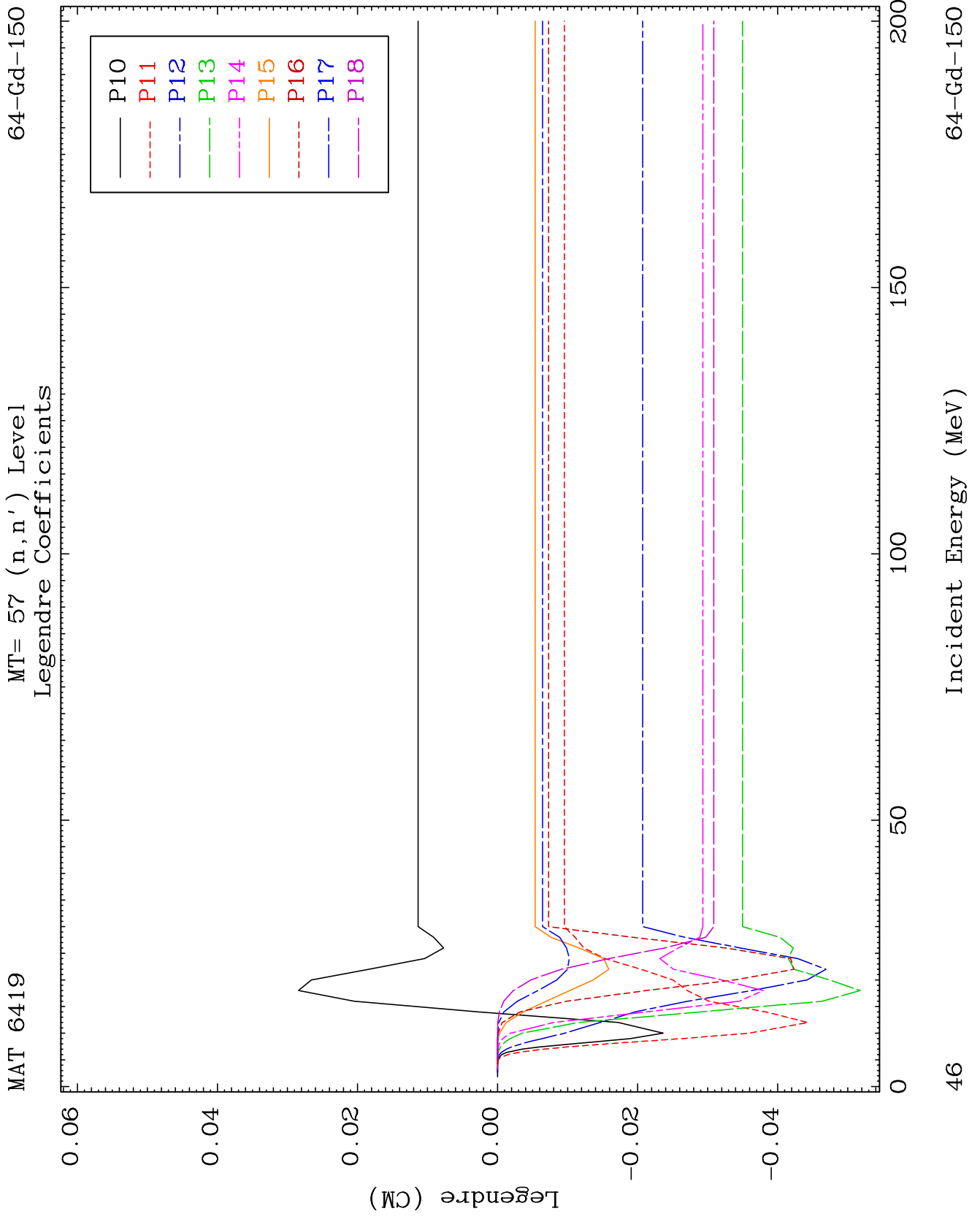
MAT 6419

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

64-Gd-150



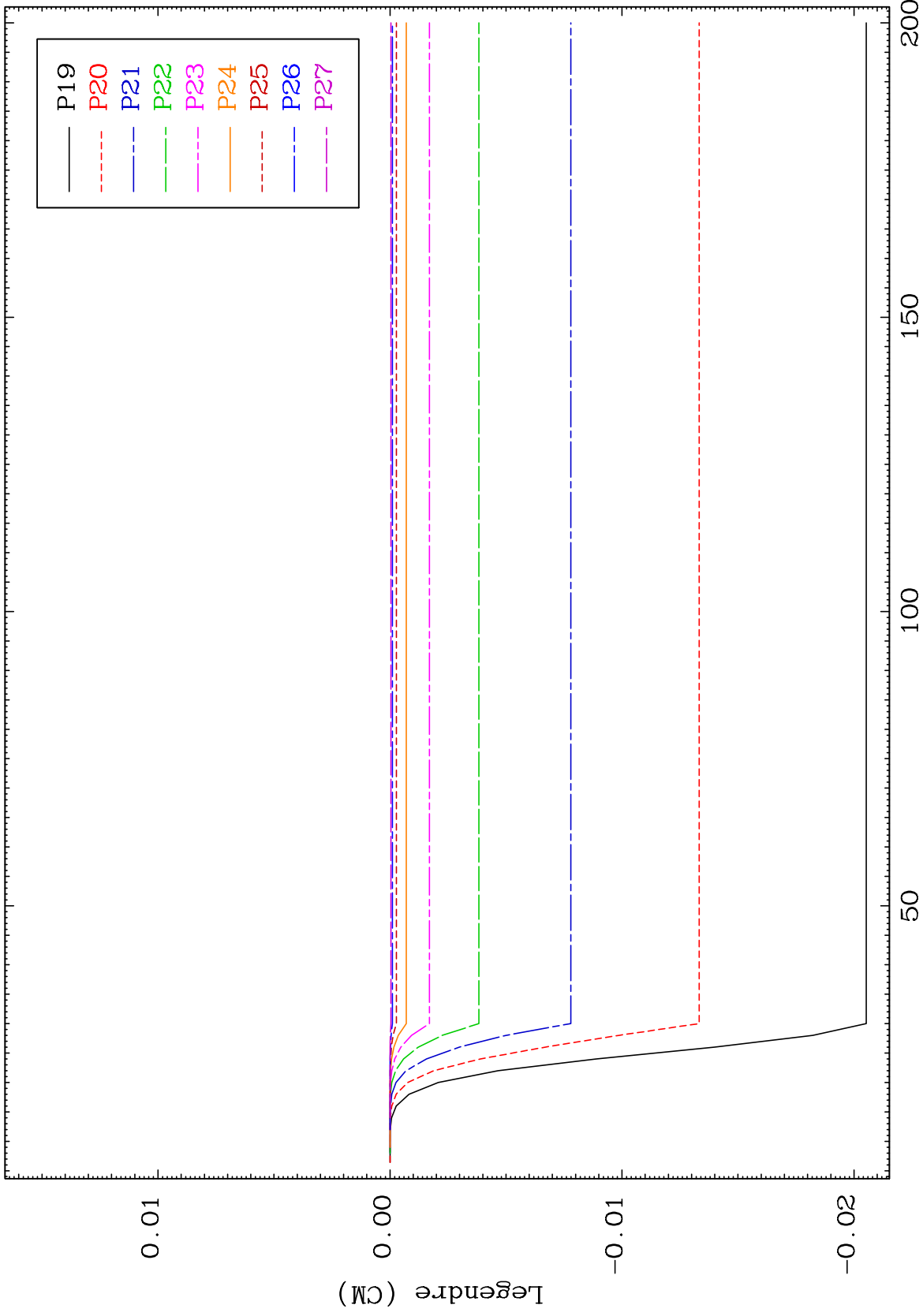
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MAT 6419

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

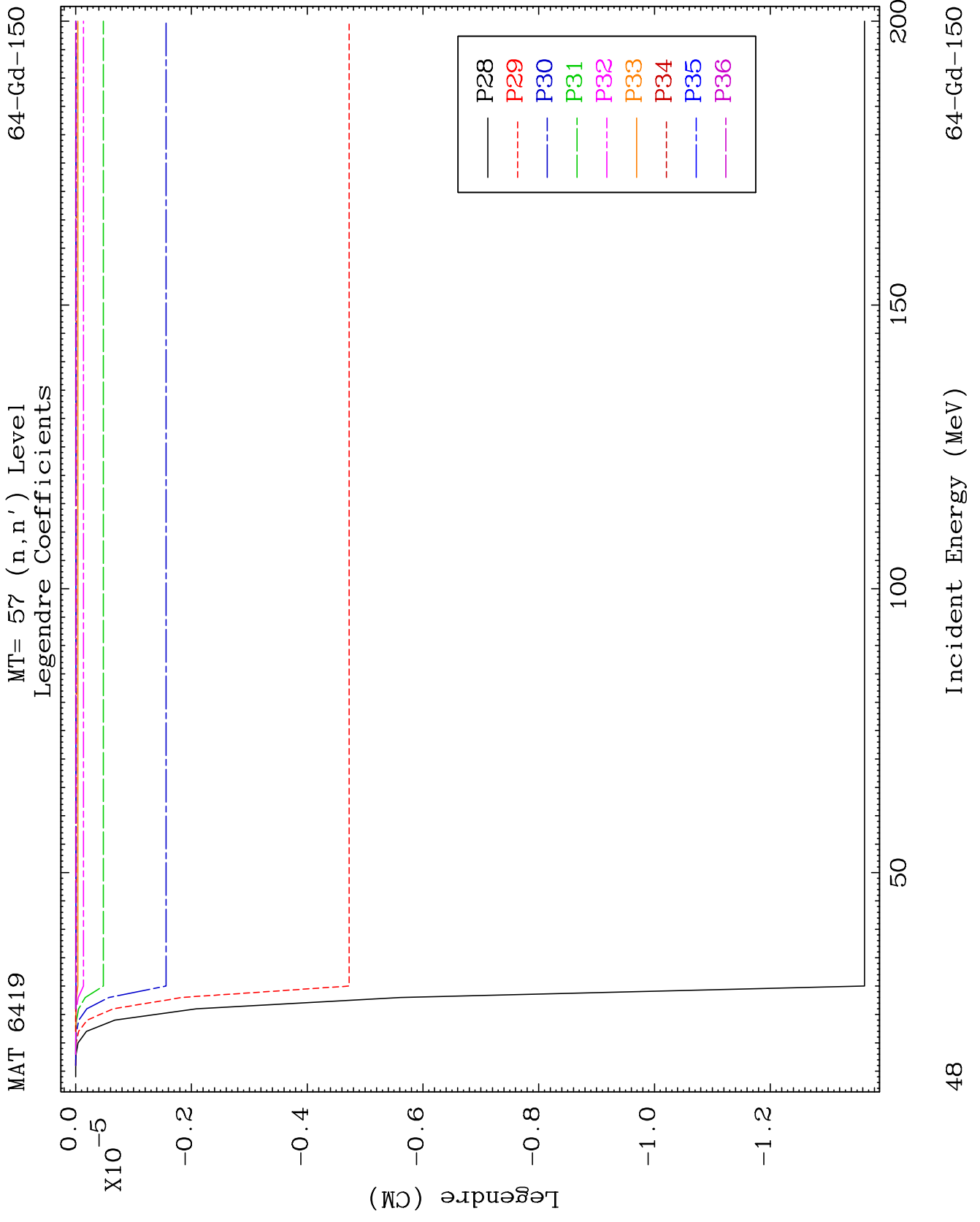
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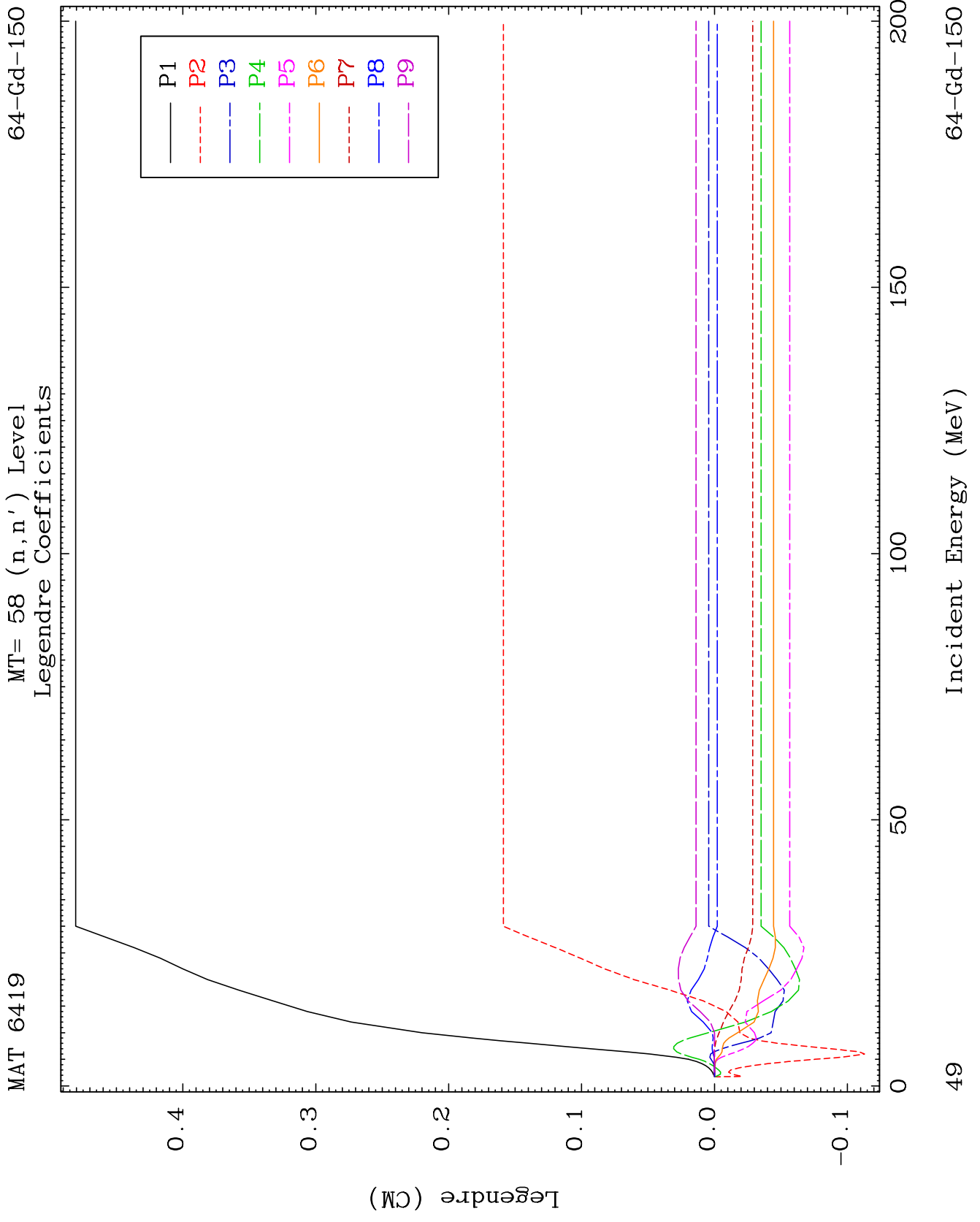


47

Incident Energy (MeV)

64-Gd-150

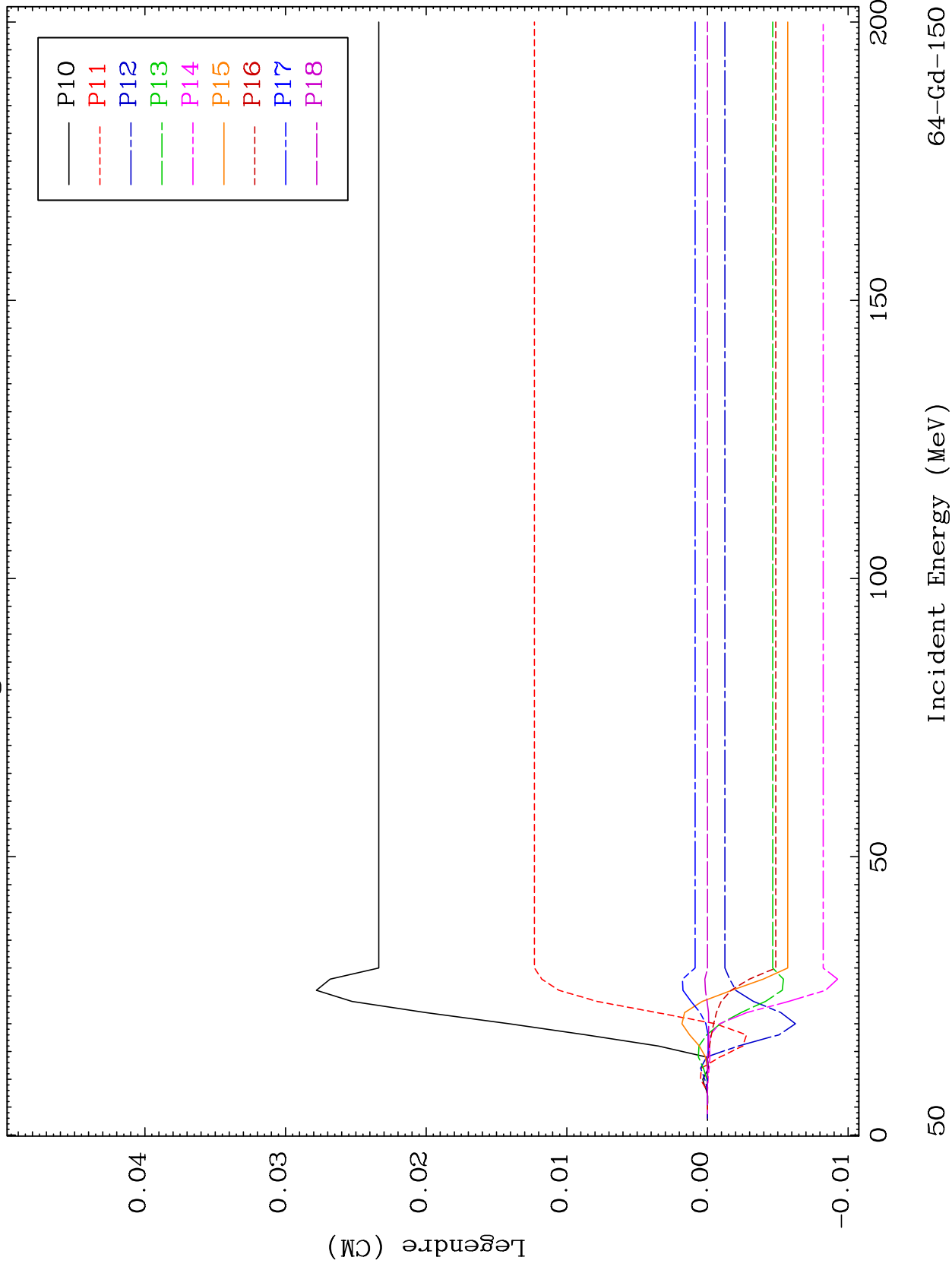




MAT 6419

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

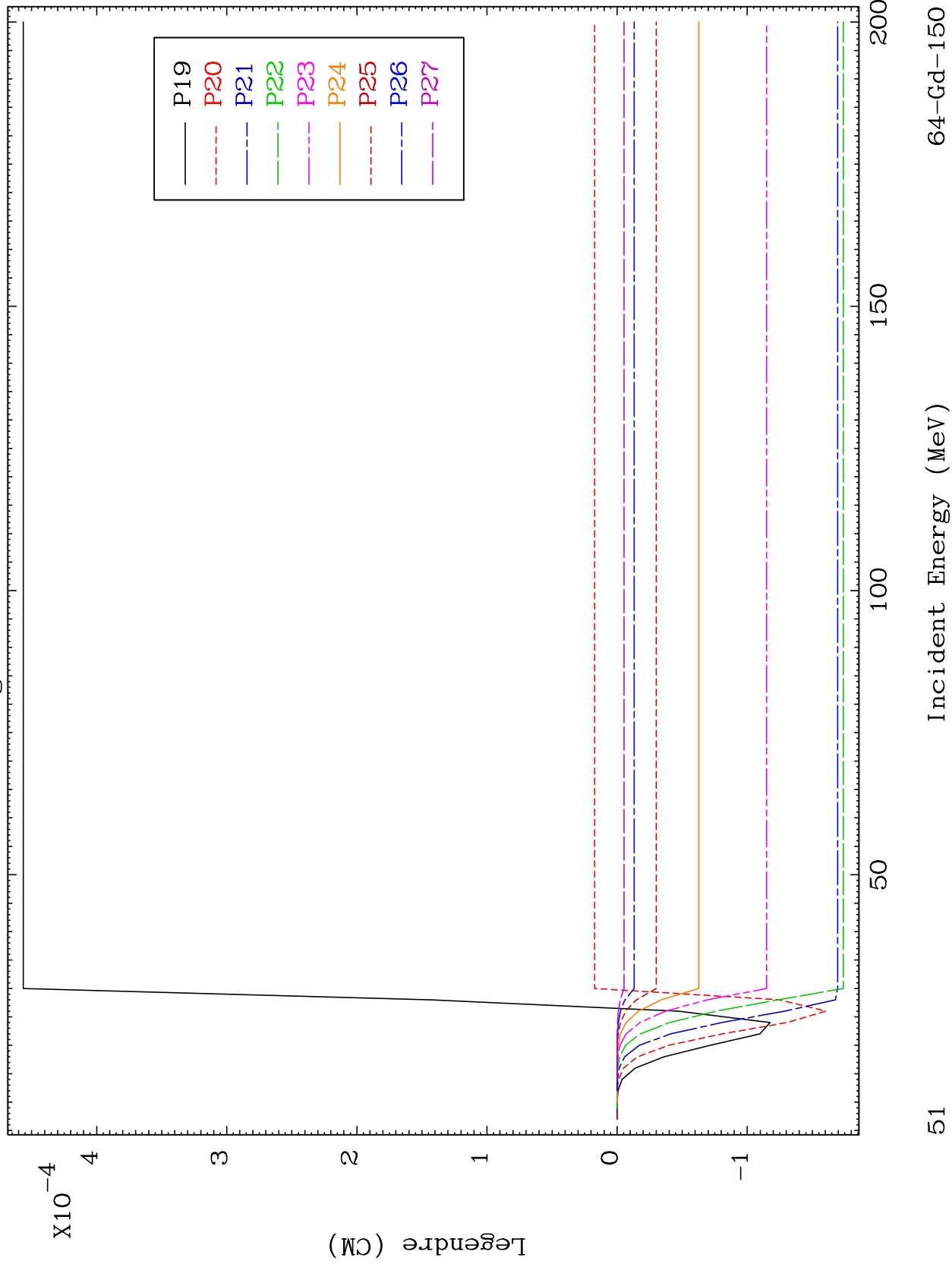
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MAT 6419

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

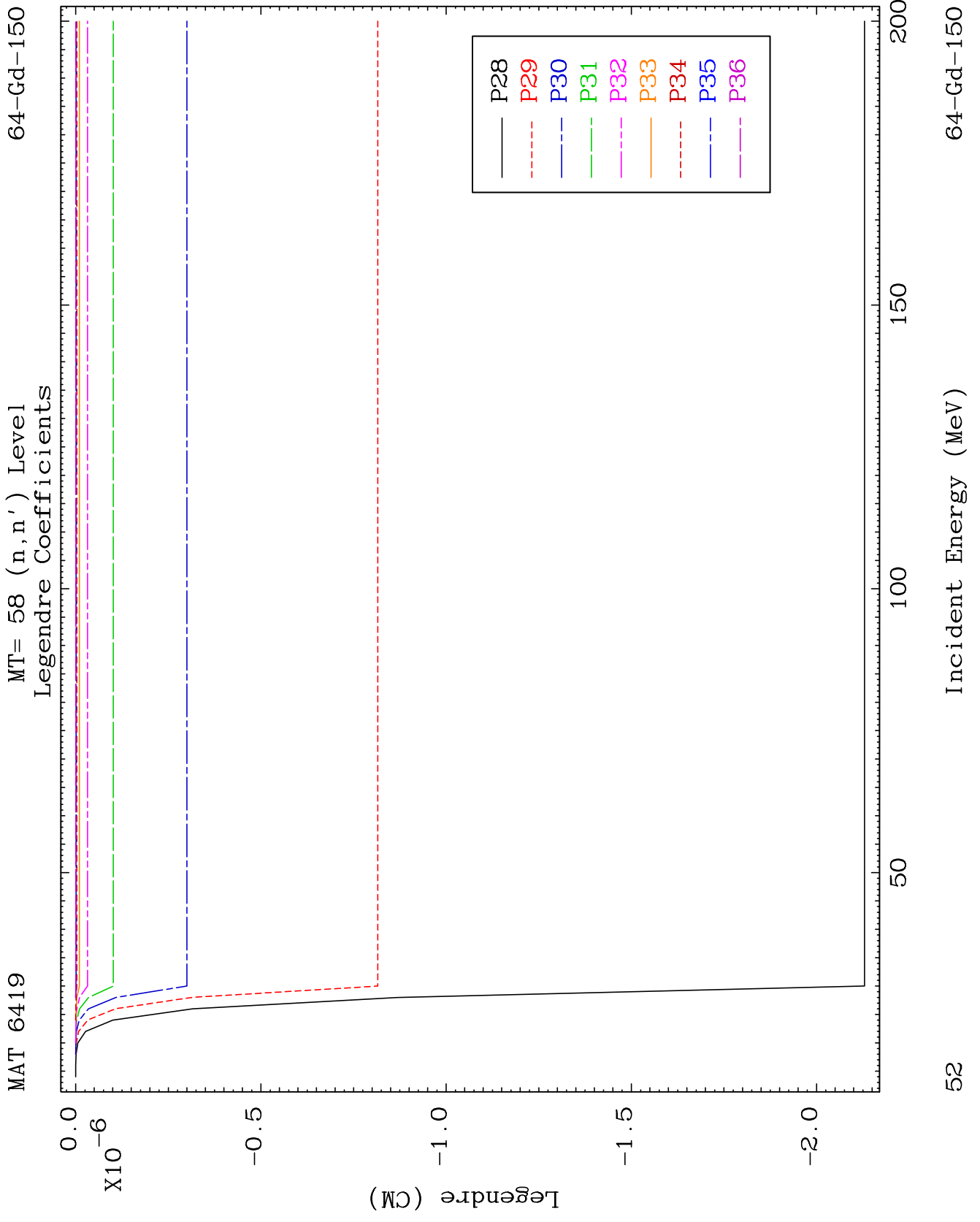
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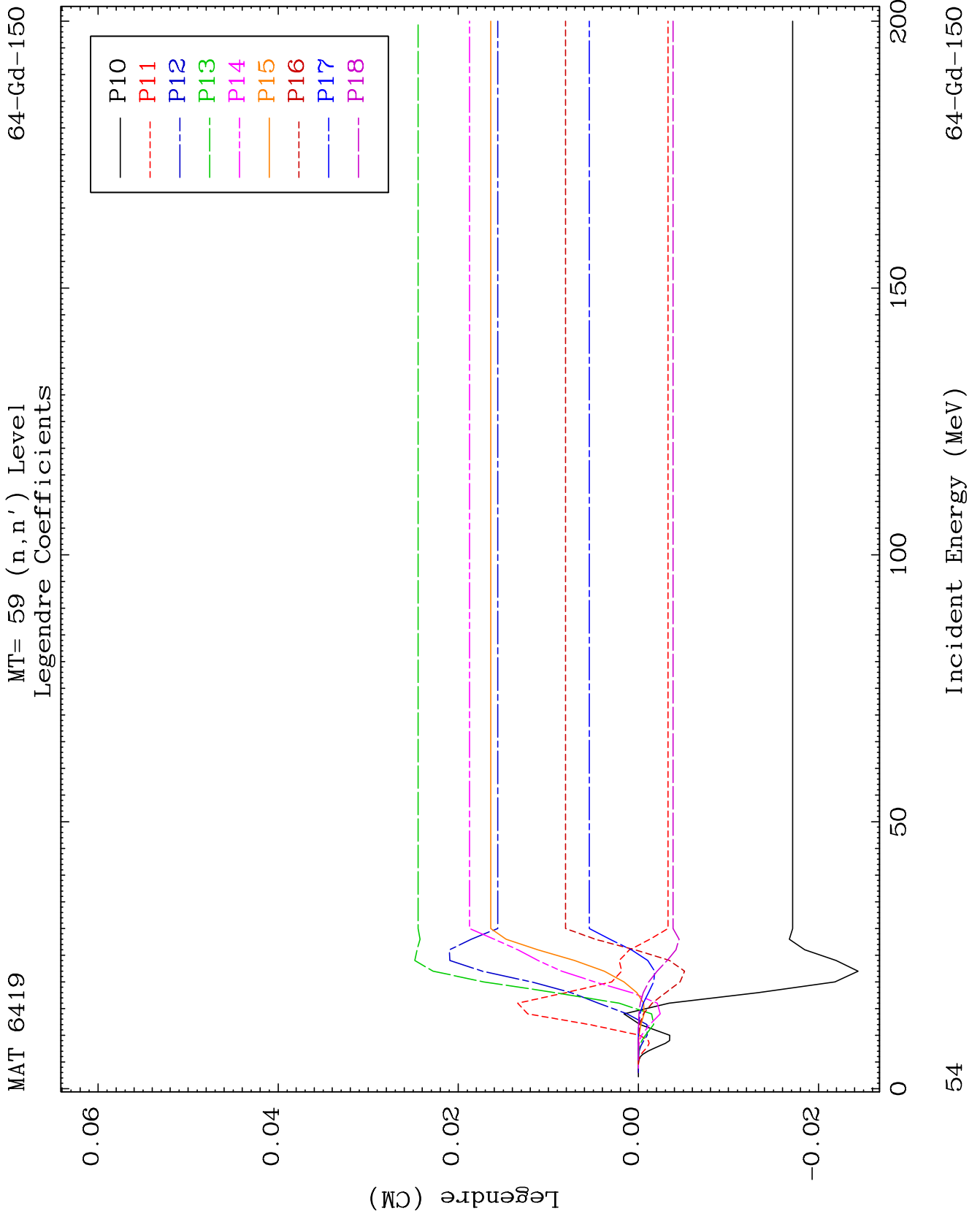


51

Incident Energy (MeV)

64-Gd-150

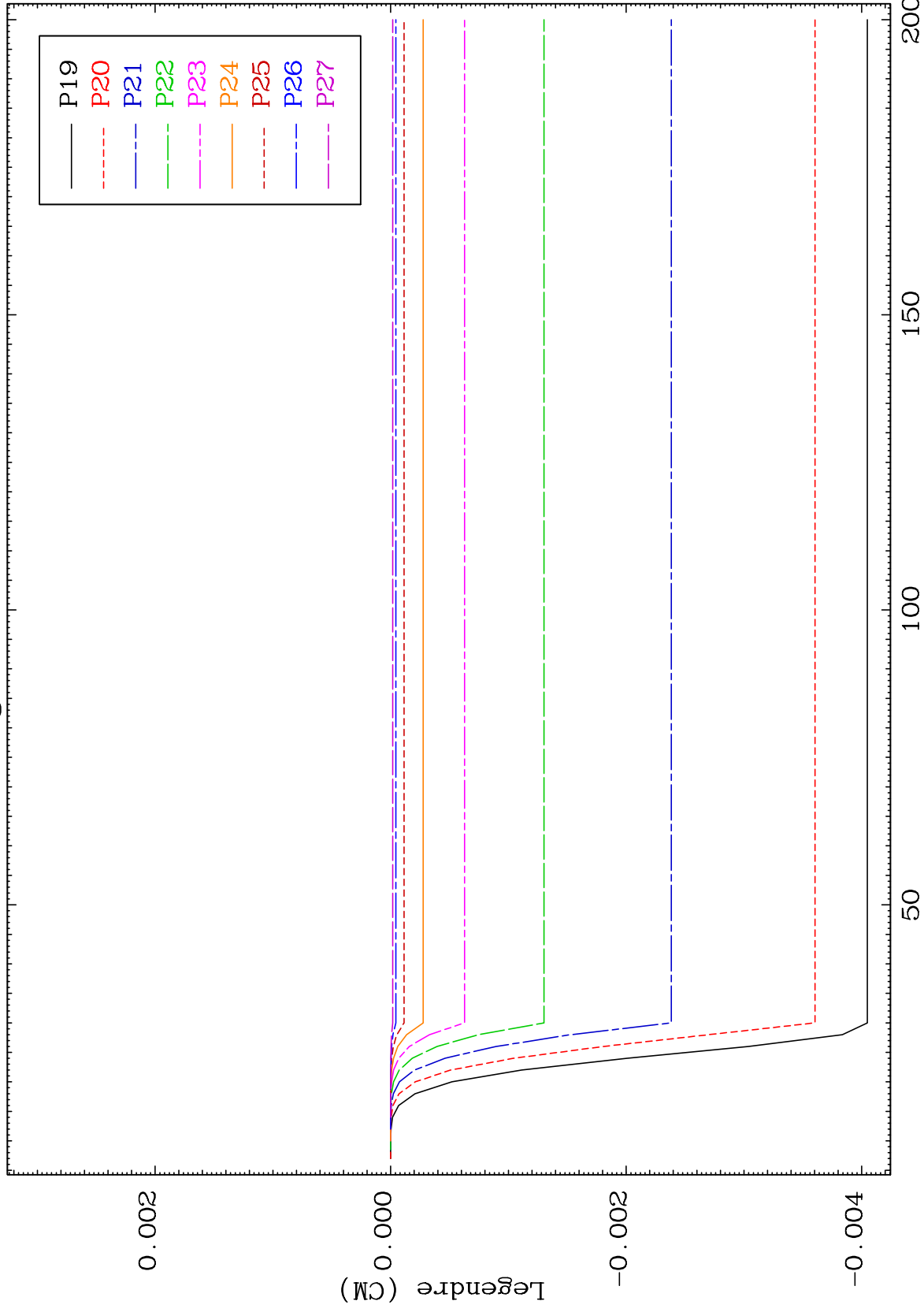




MAT 6419

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

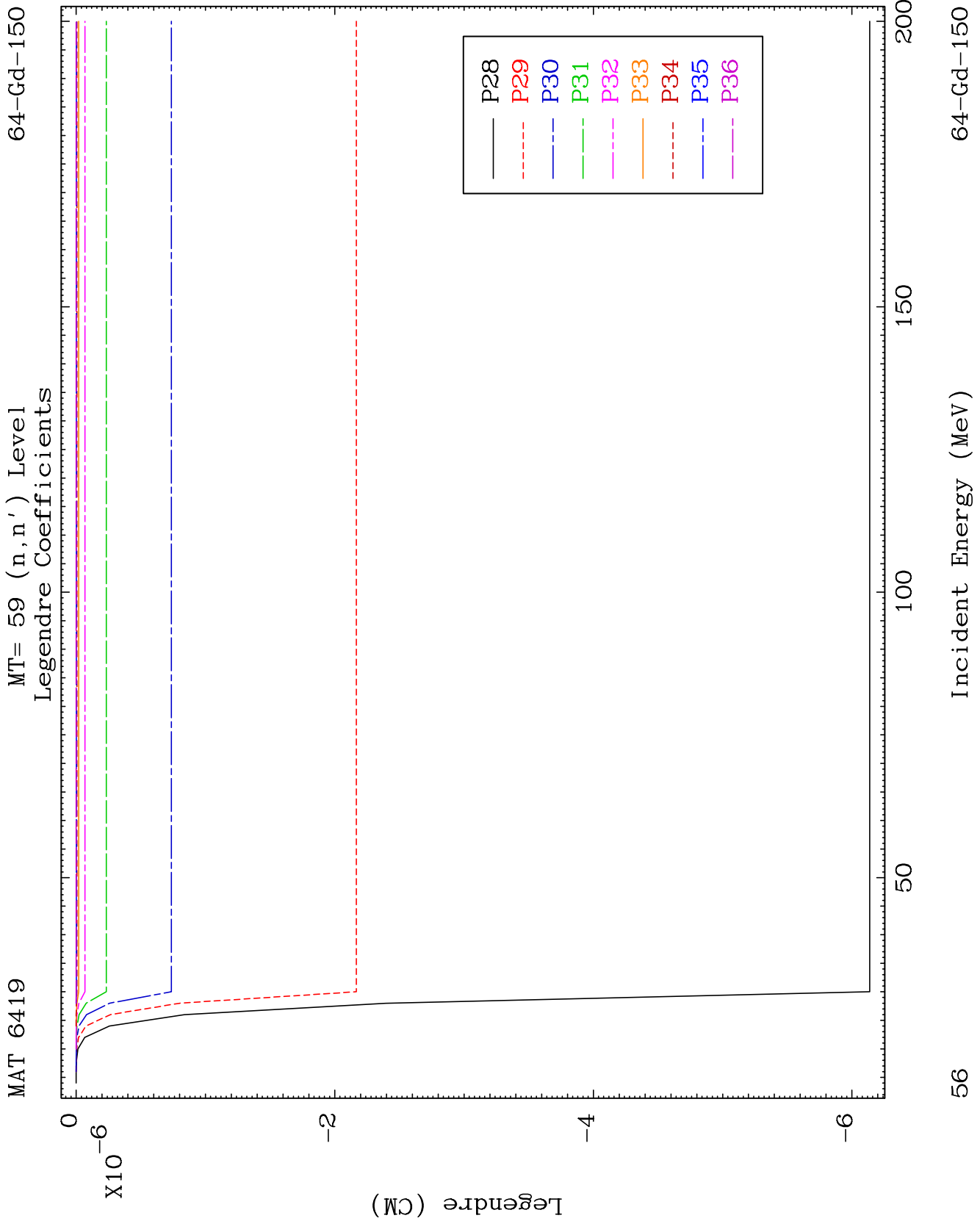
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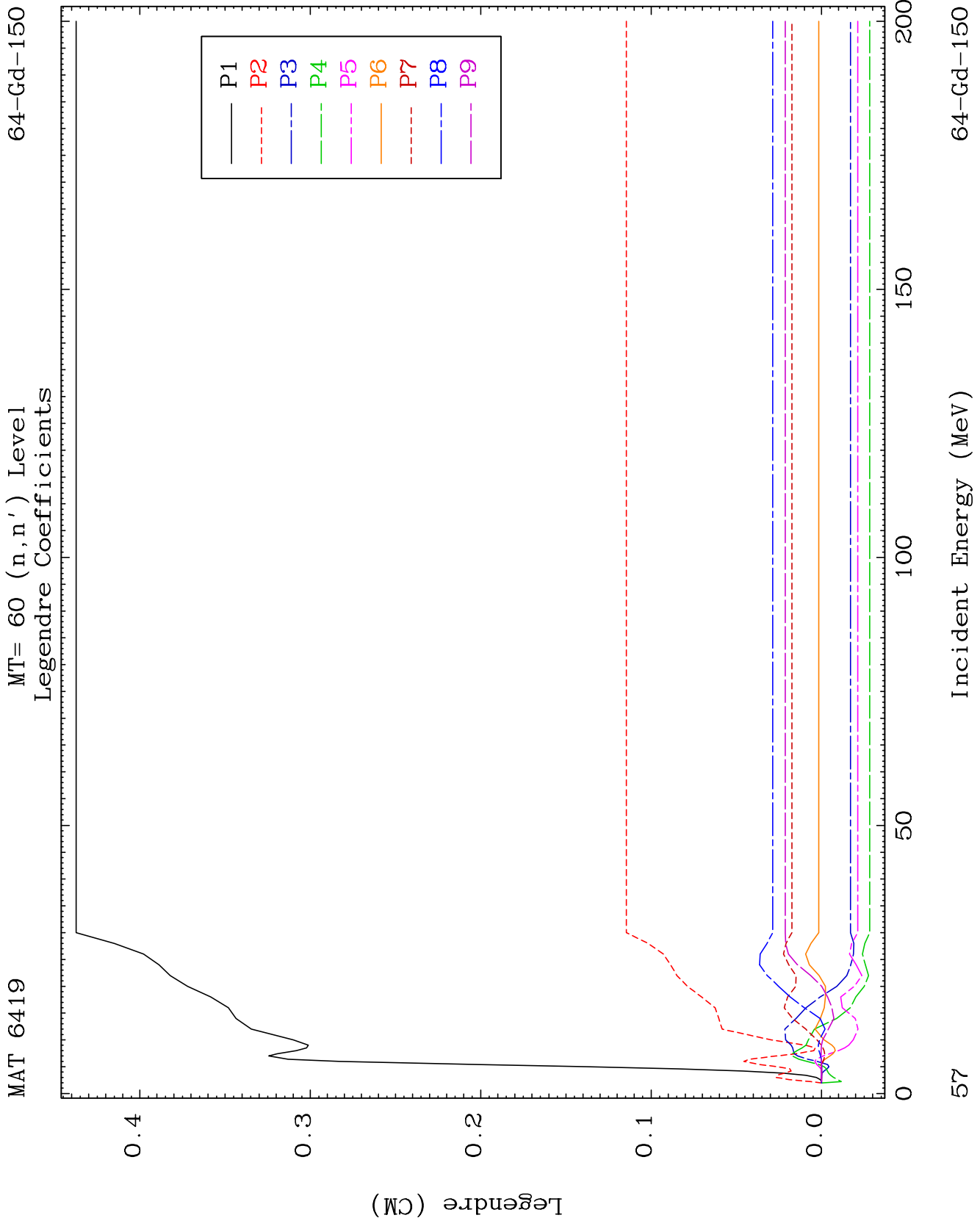


55

Incident Energy (MeV)

64-Gd-150

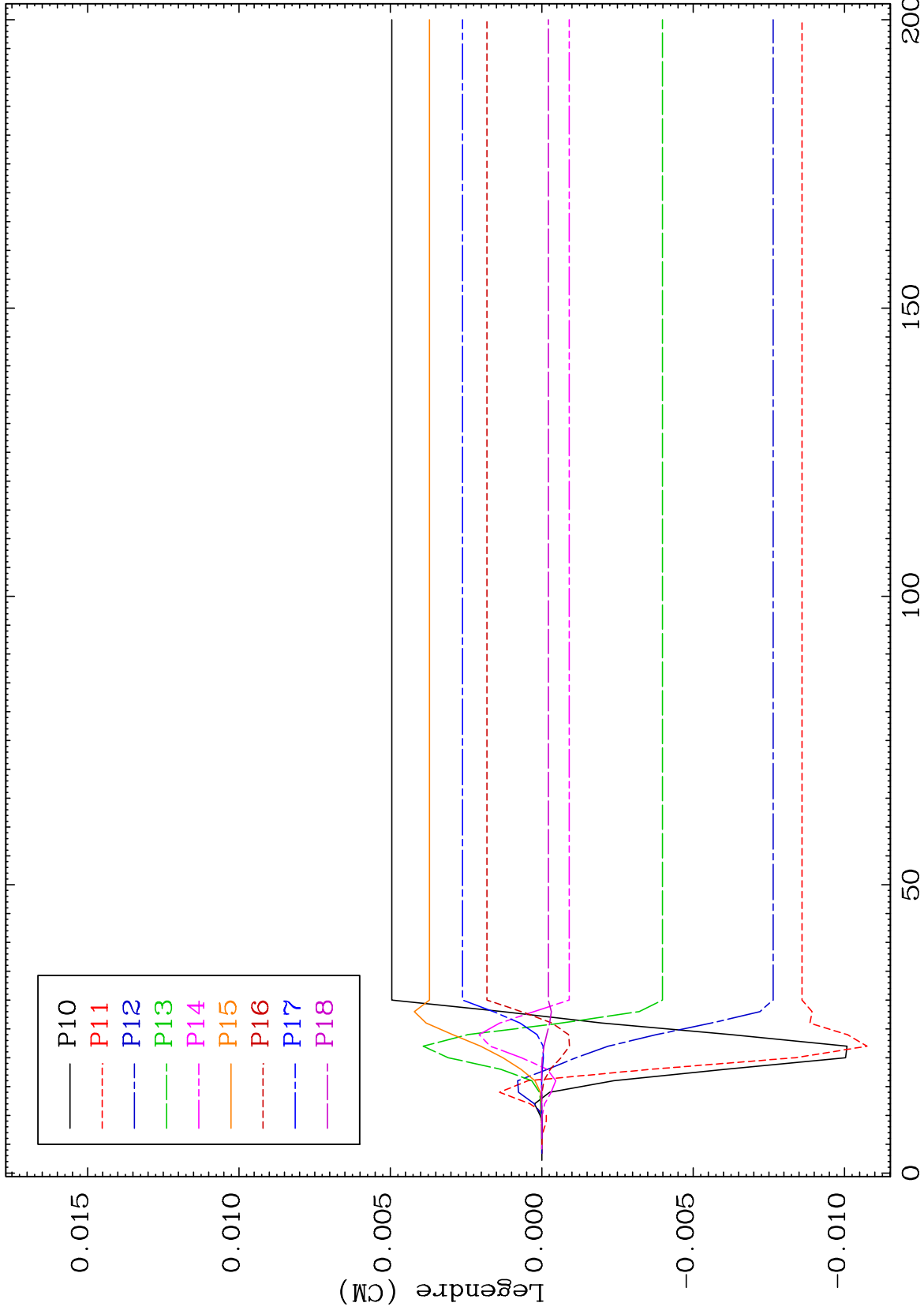




MAT 6419

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

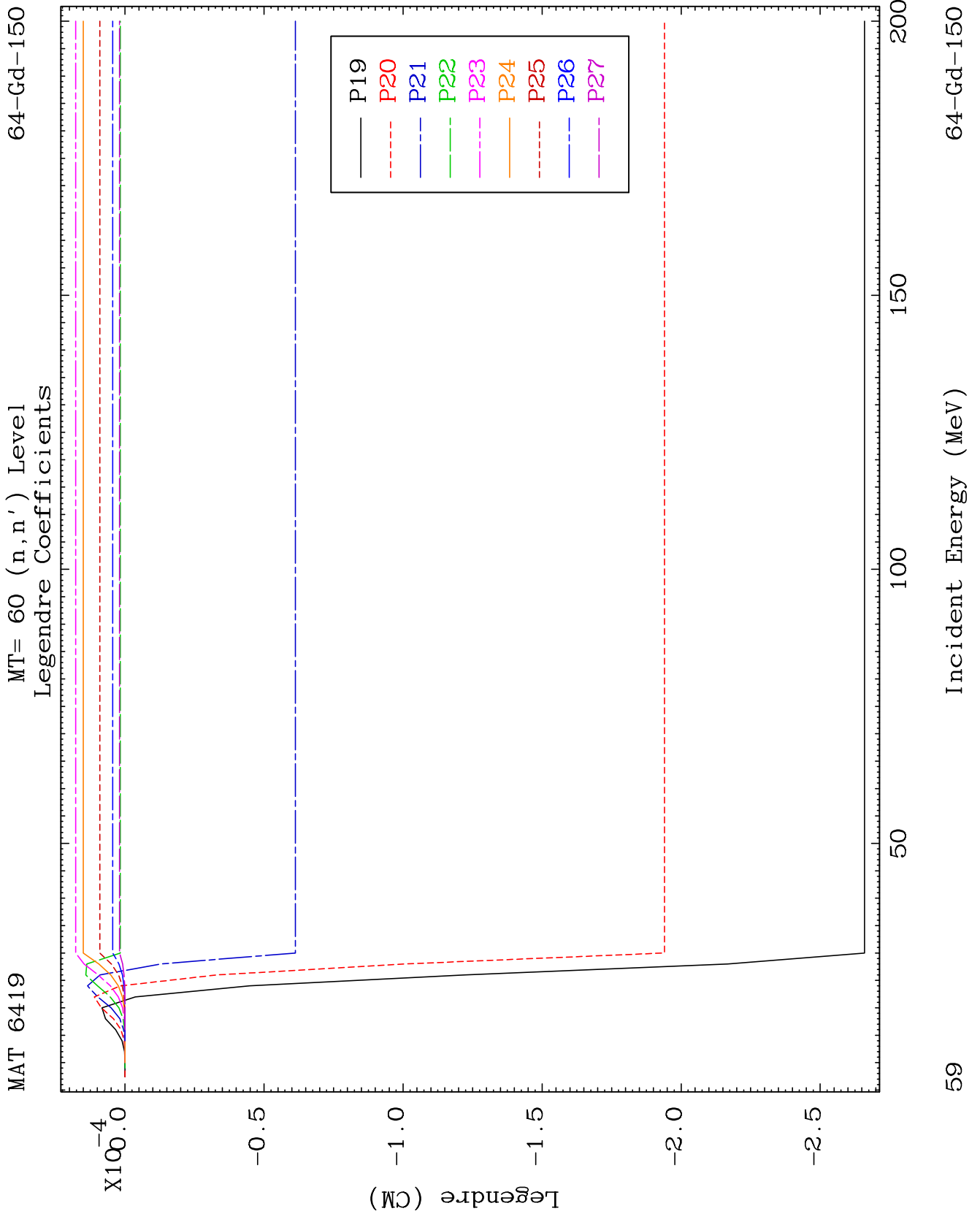
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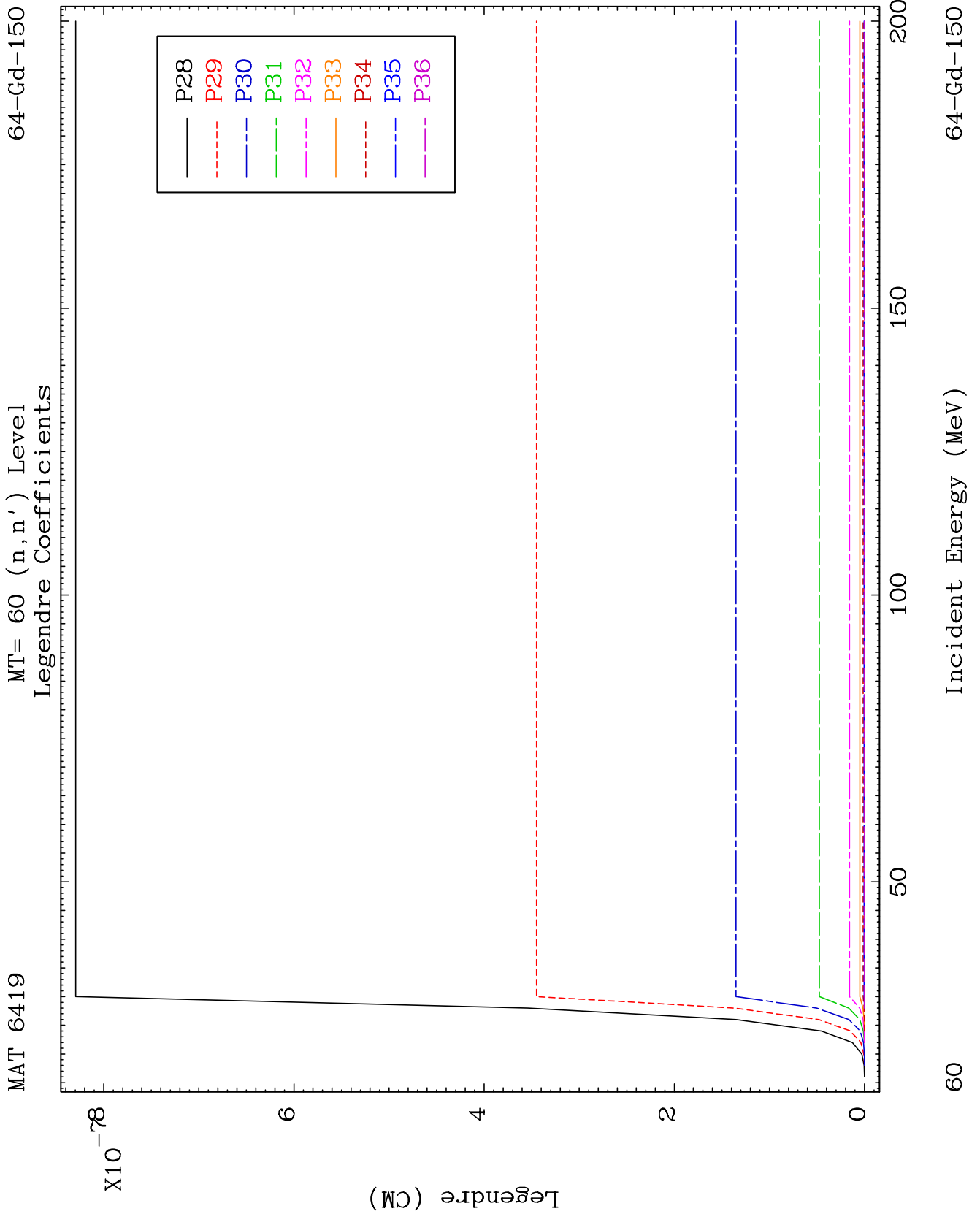


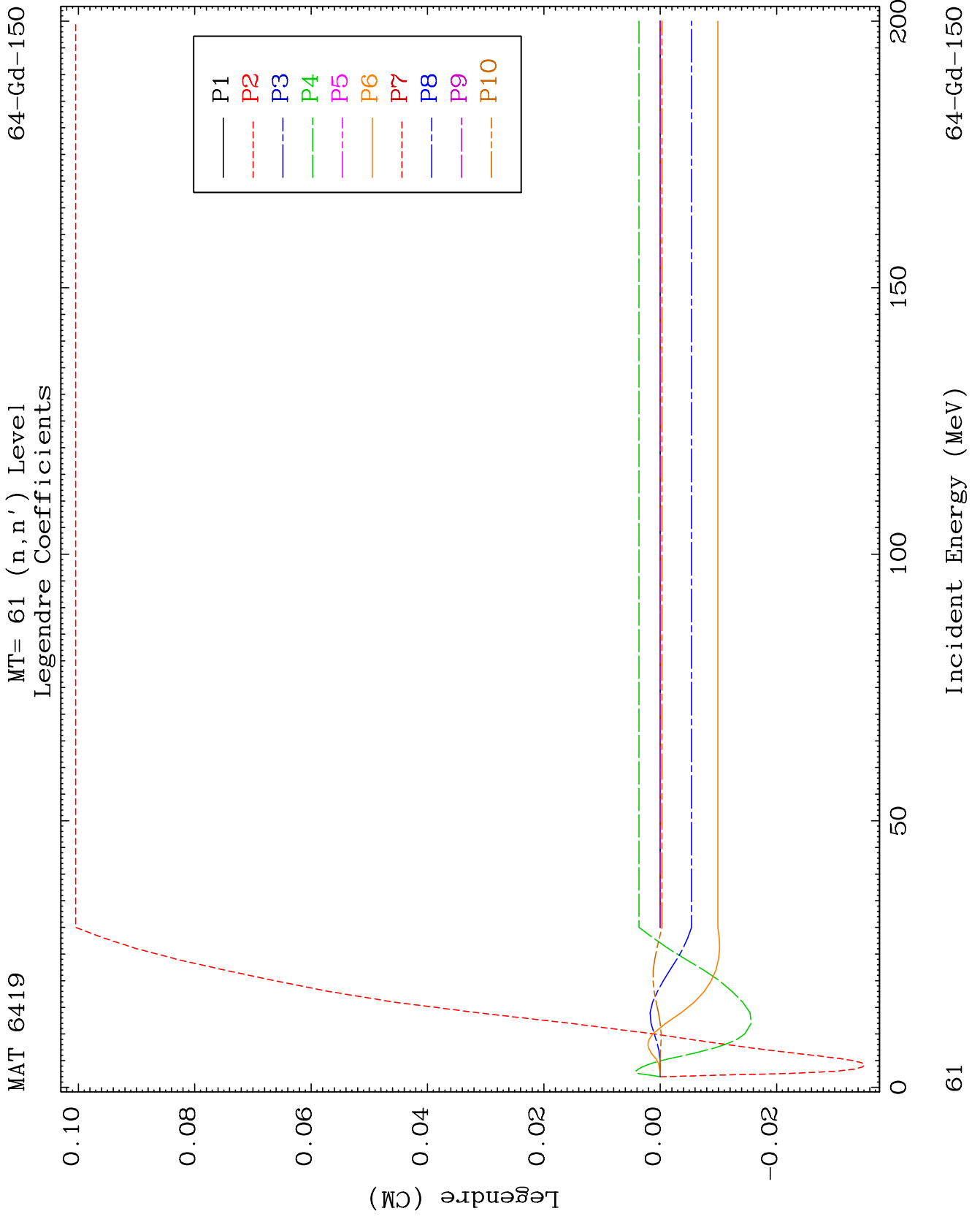
58

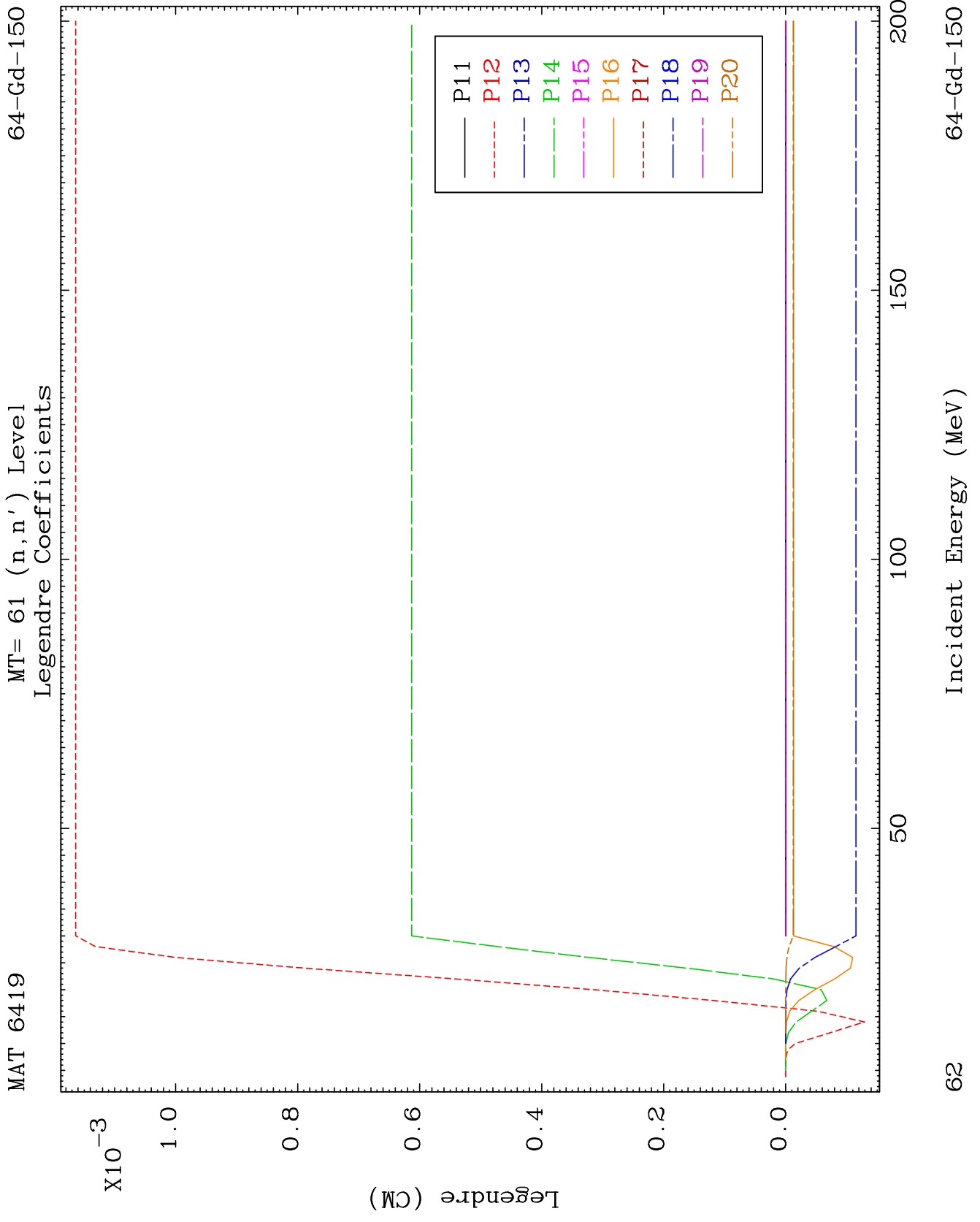
Incident Energy (MeV)

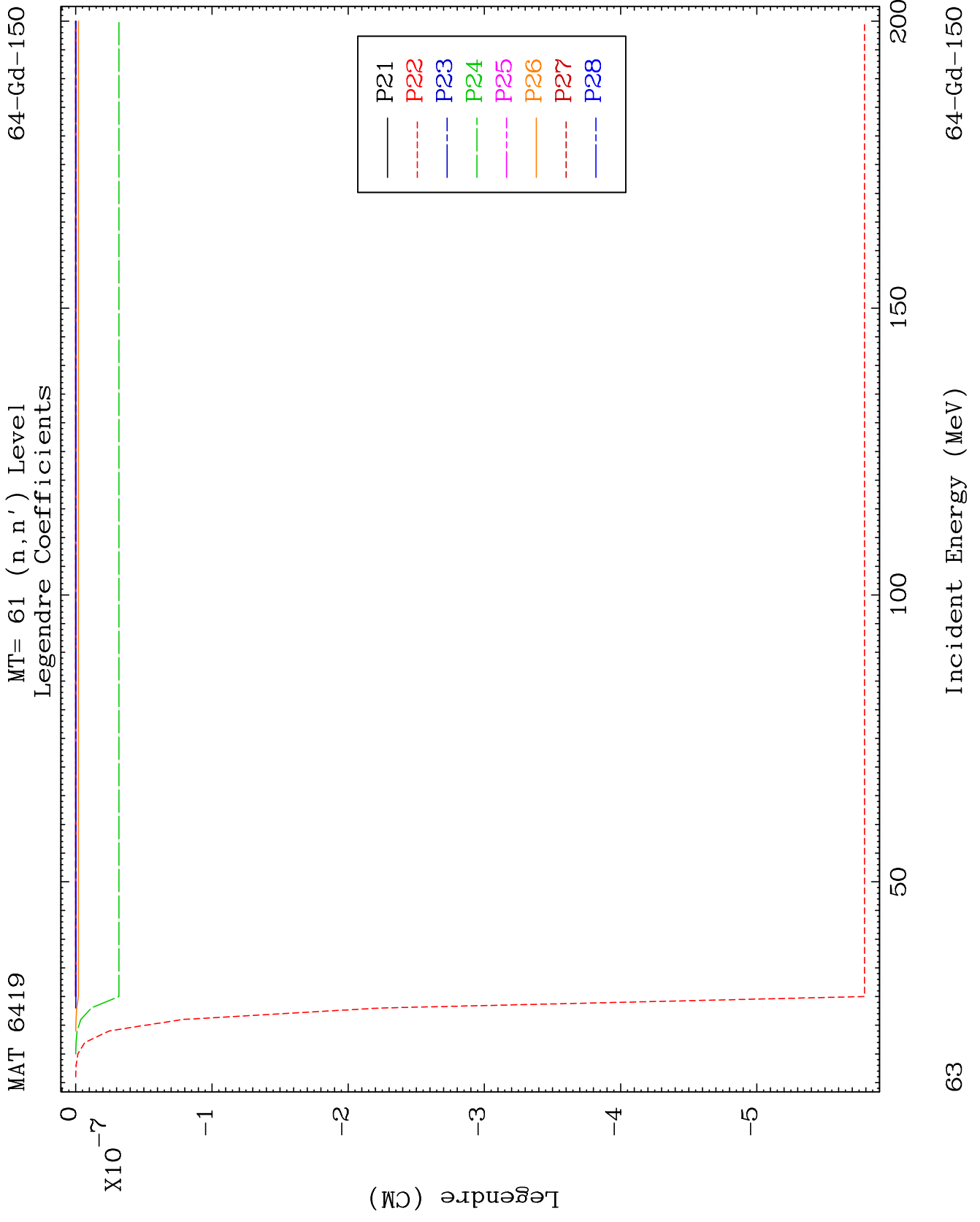
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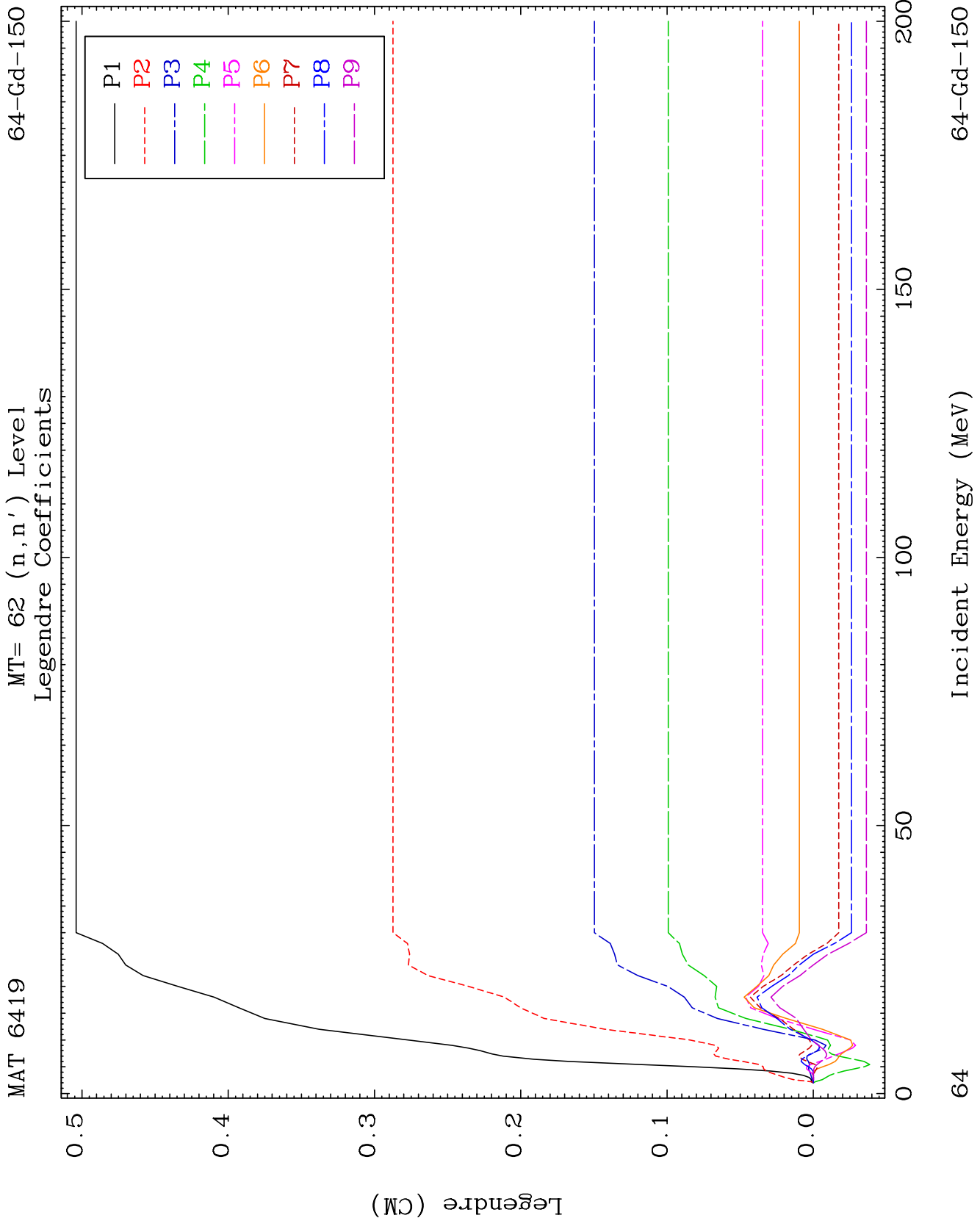








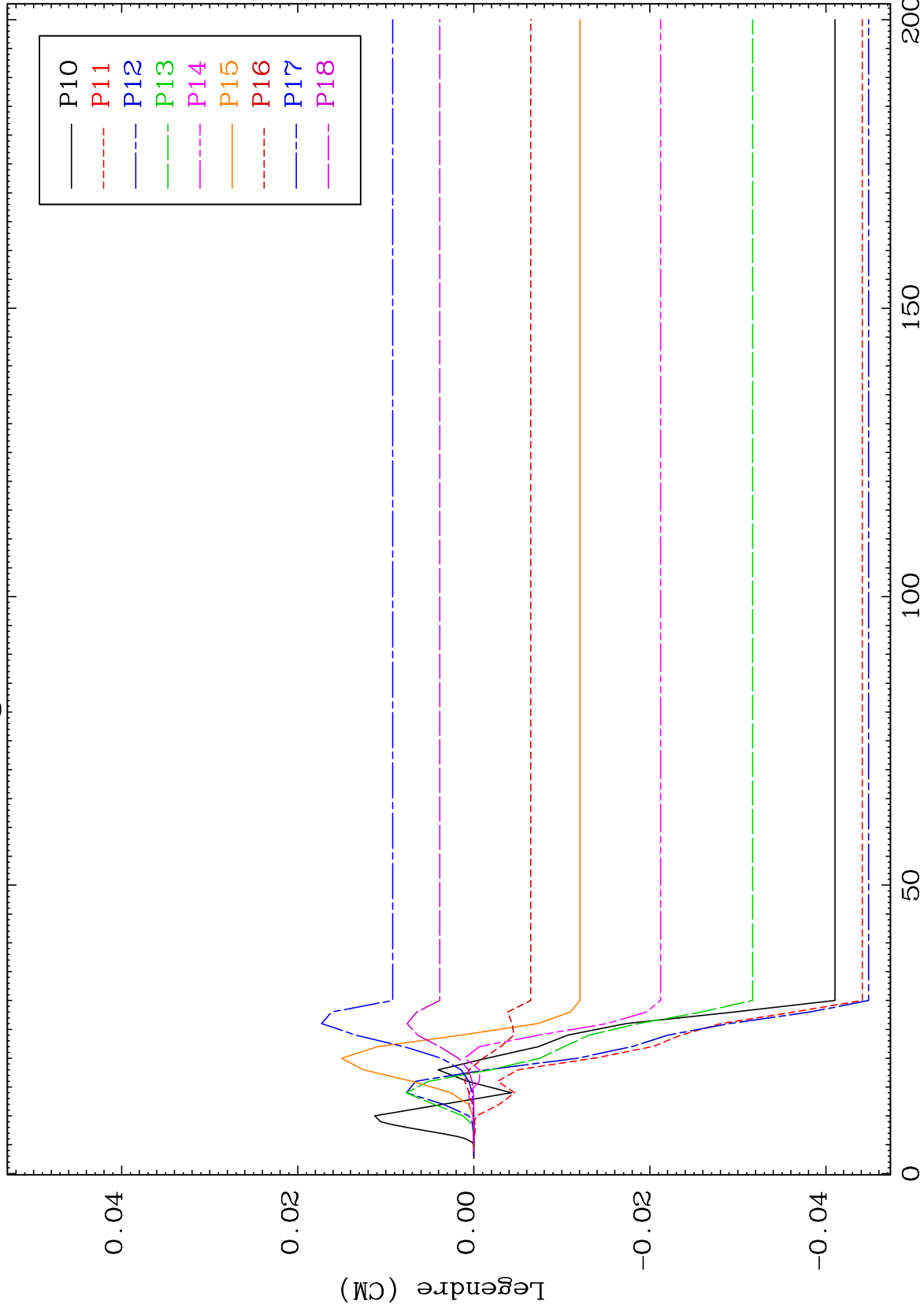




MAT 6419

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

64-Gd-150



65

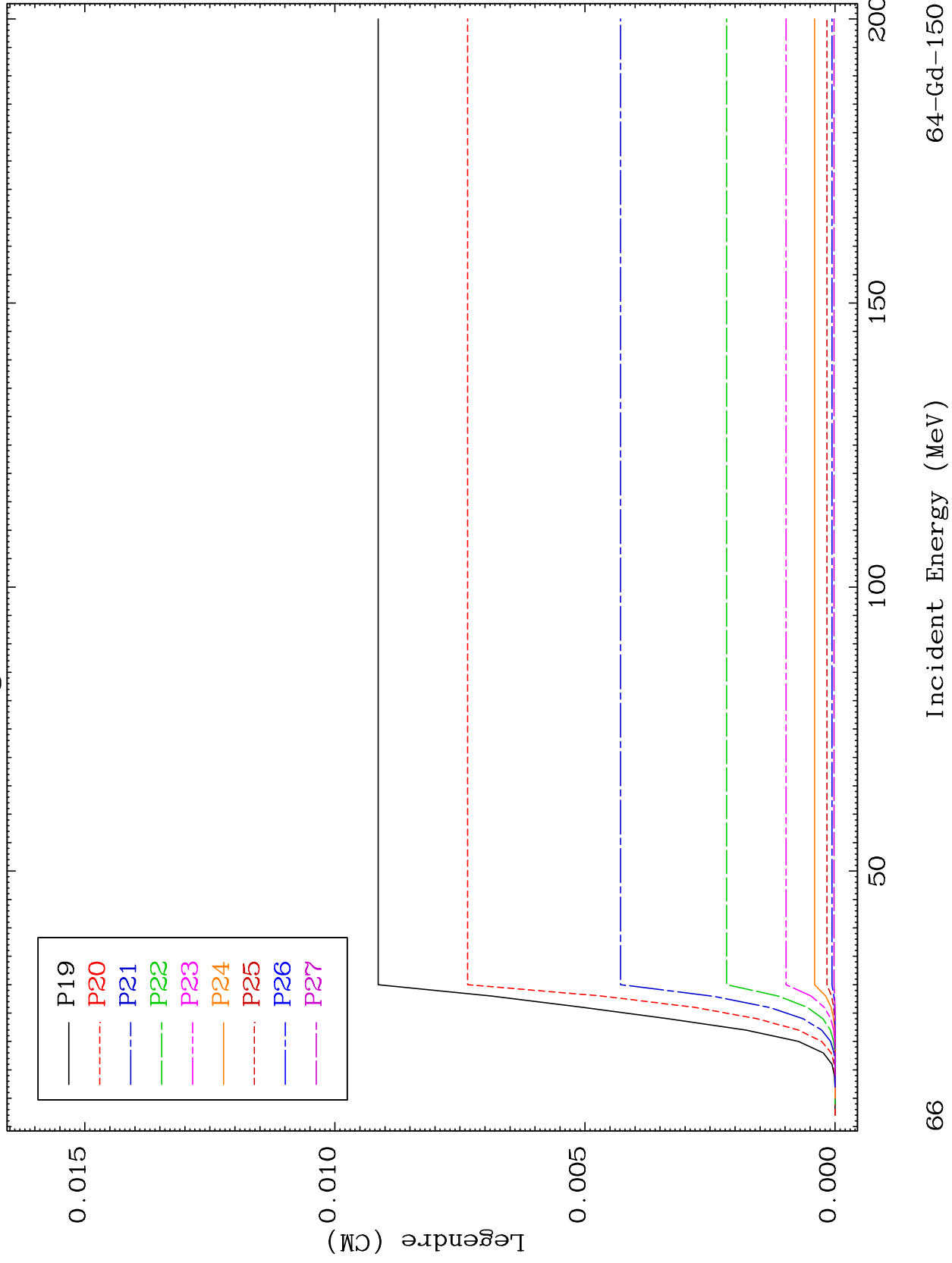
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

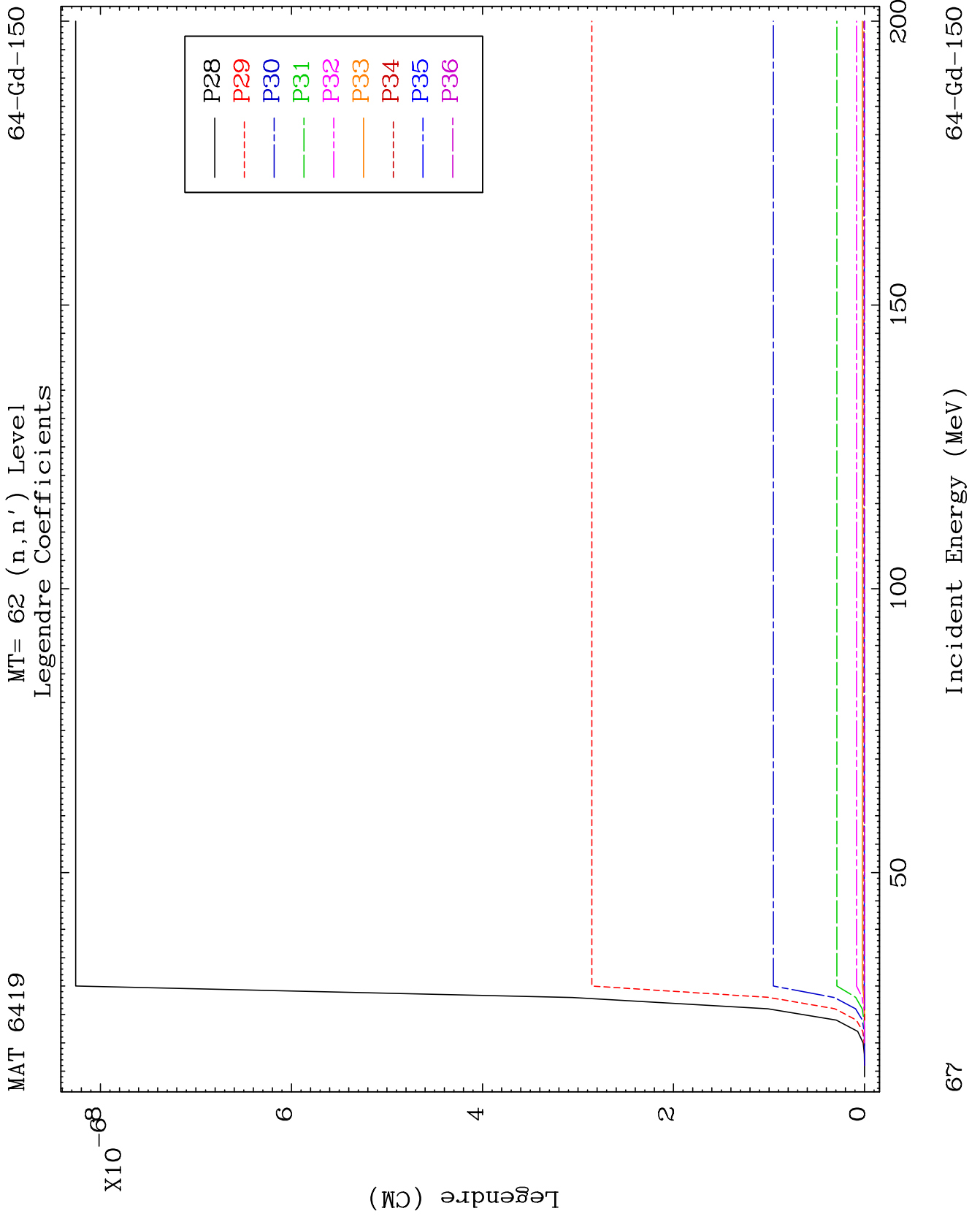
64-Gd-150



66

Incident Energy (MeV)

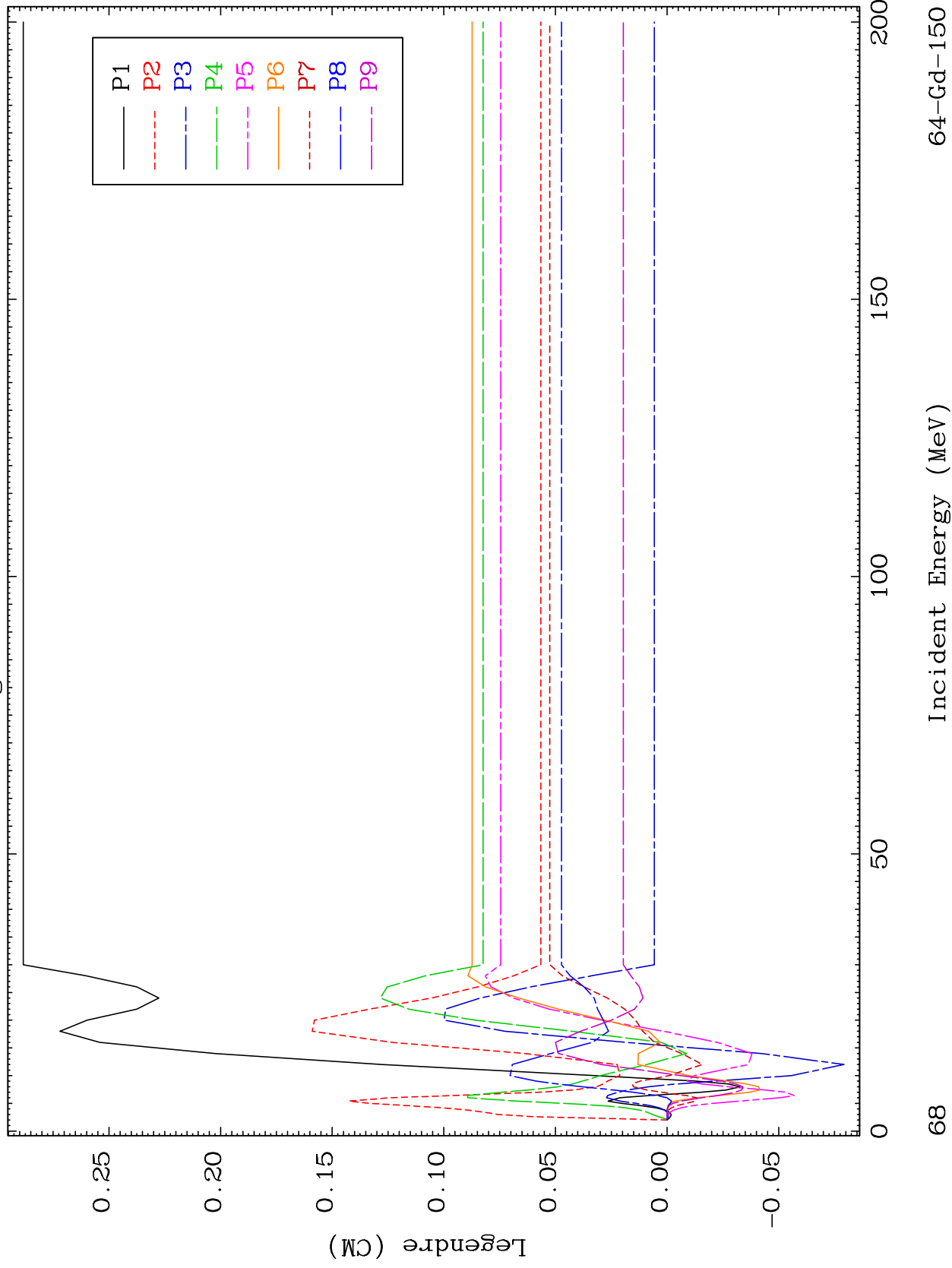
64-Gd-150



MAT 6419

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

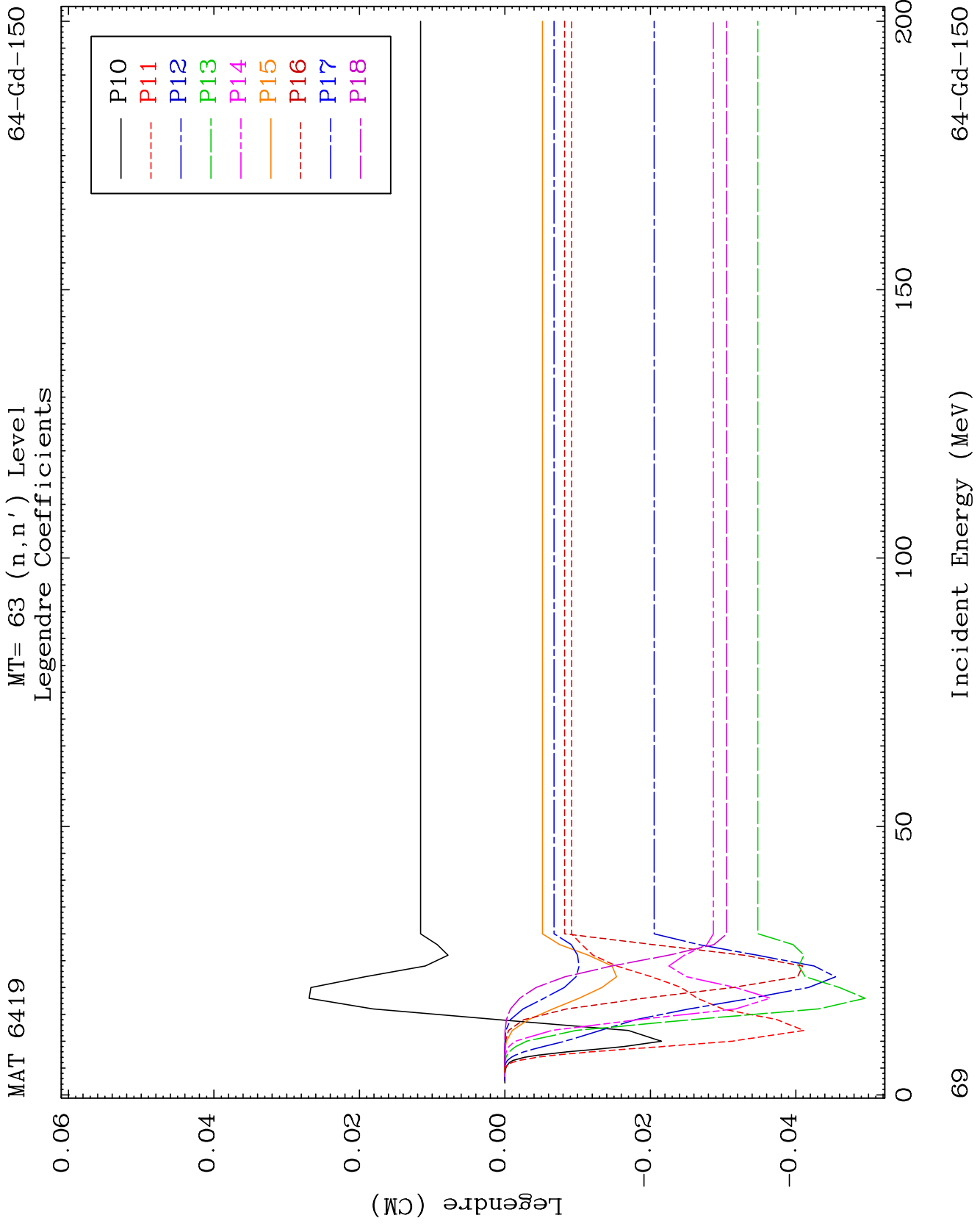
64-Gd-150



64-Gd-150

Incident Energy (MeV)

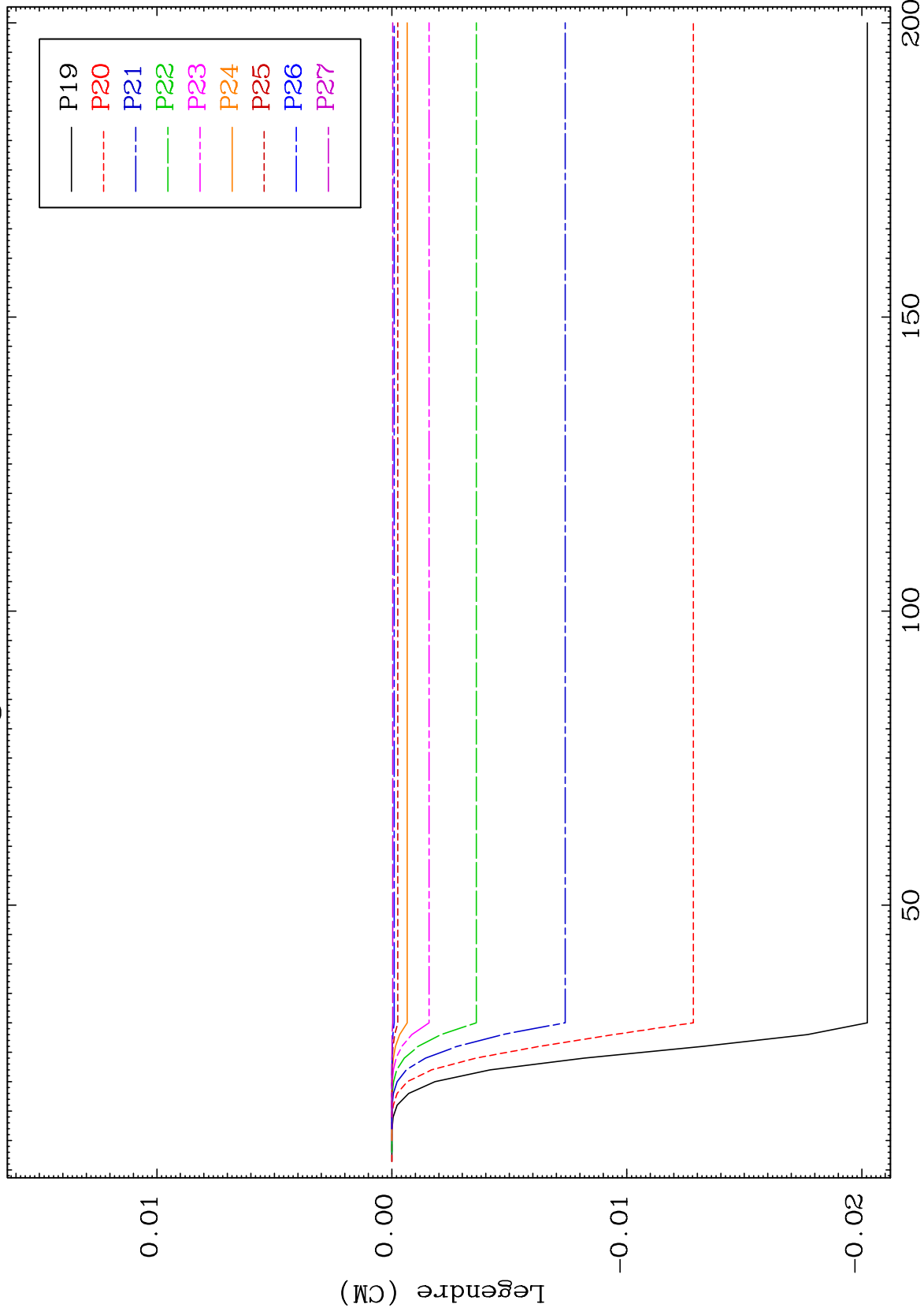
68



MAT 6419

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

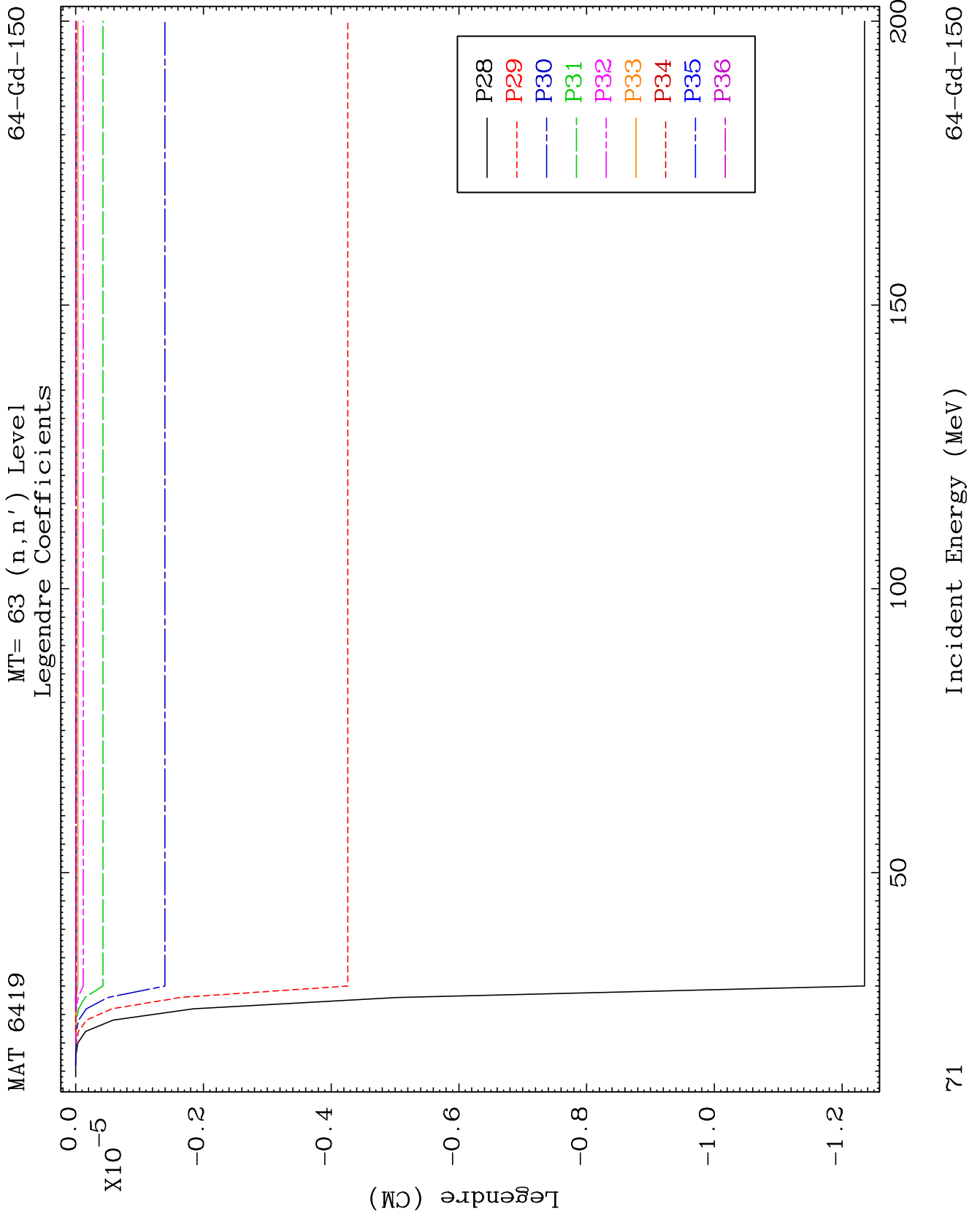
64-Gd-150



70

Incident Energy (MeV)

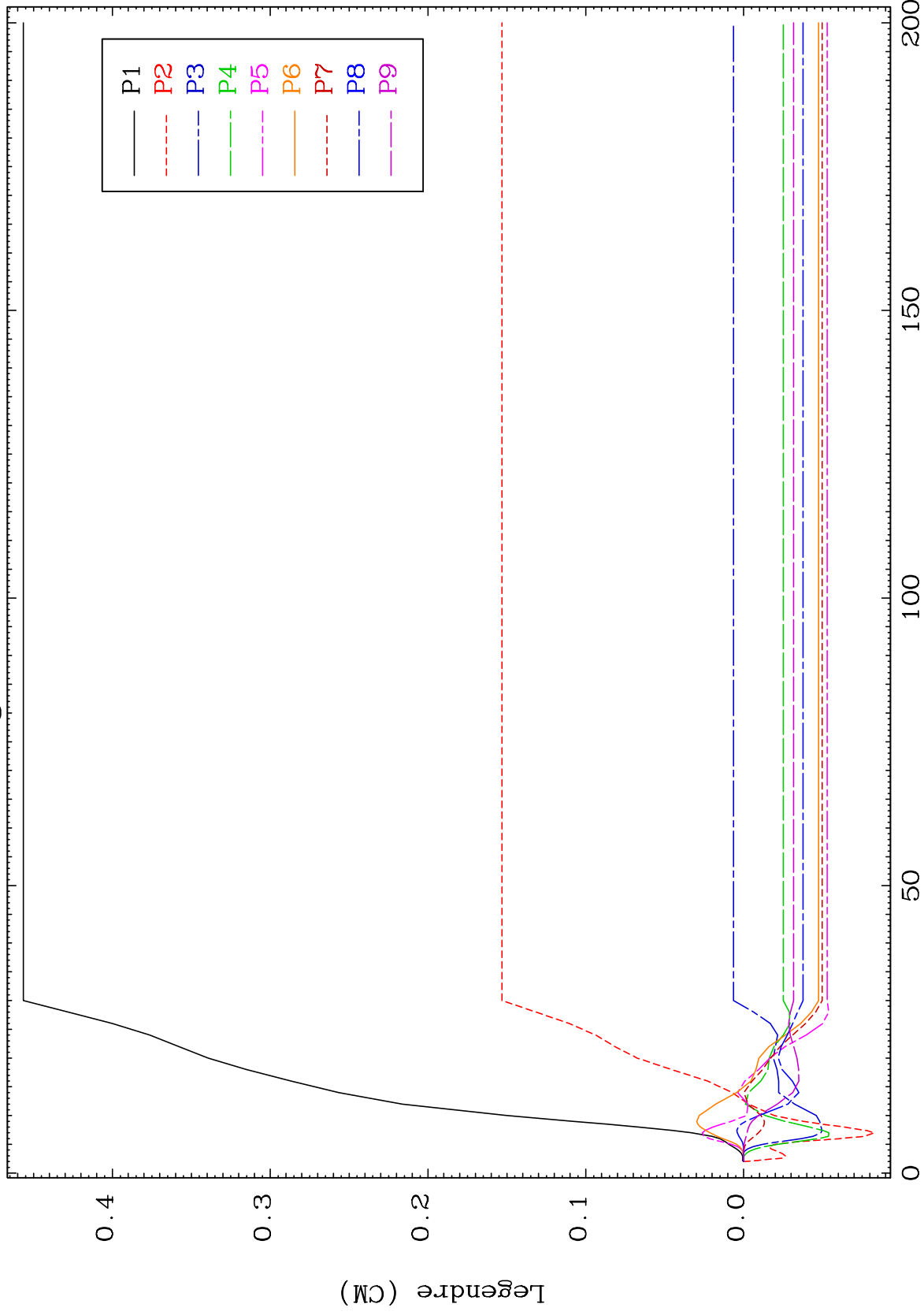
64-Gd-150



MAT 6419

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

64-Gd-150



72

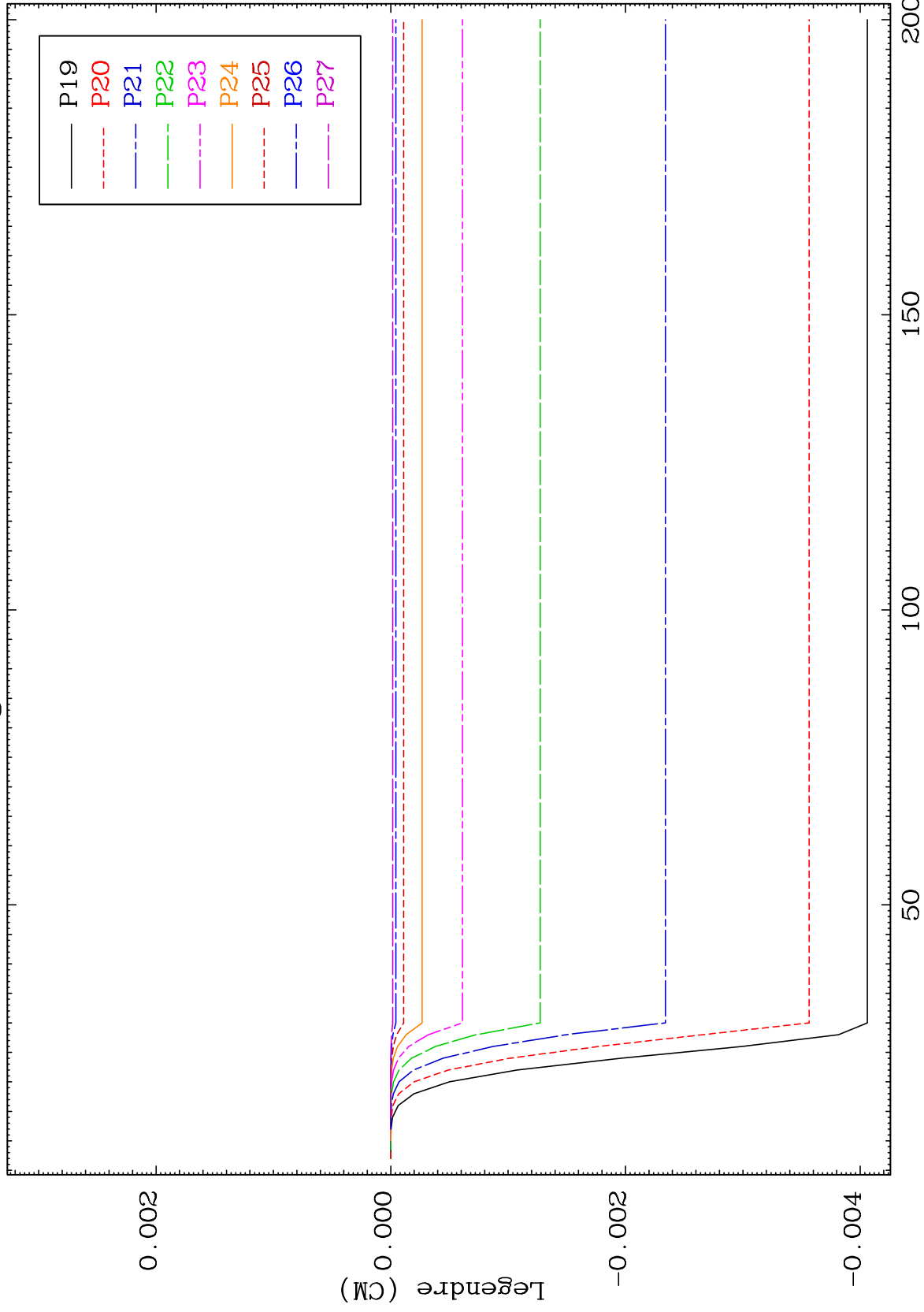
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

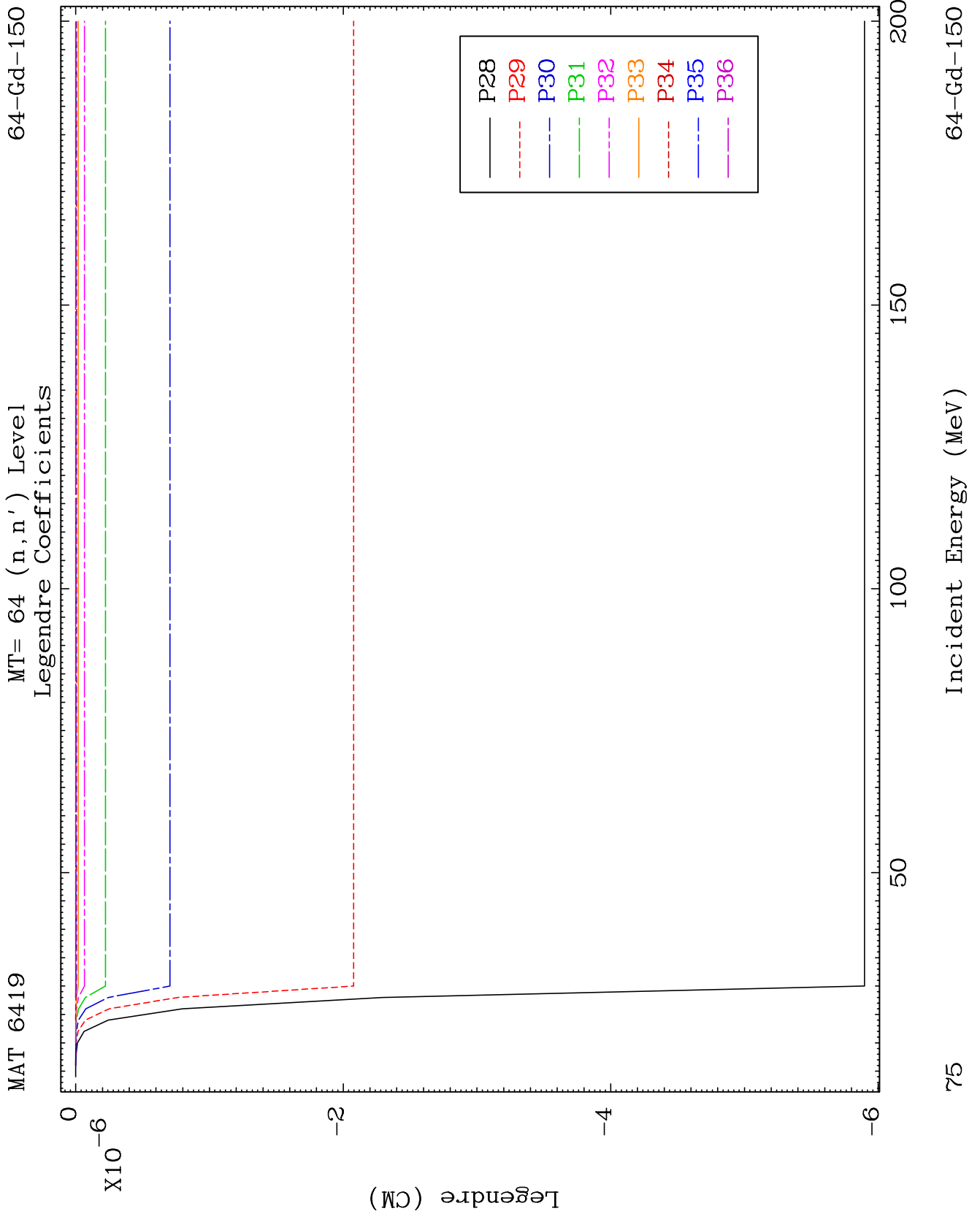
64-Gd-150



74

Incident Energy (MeV)

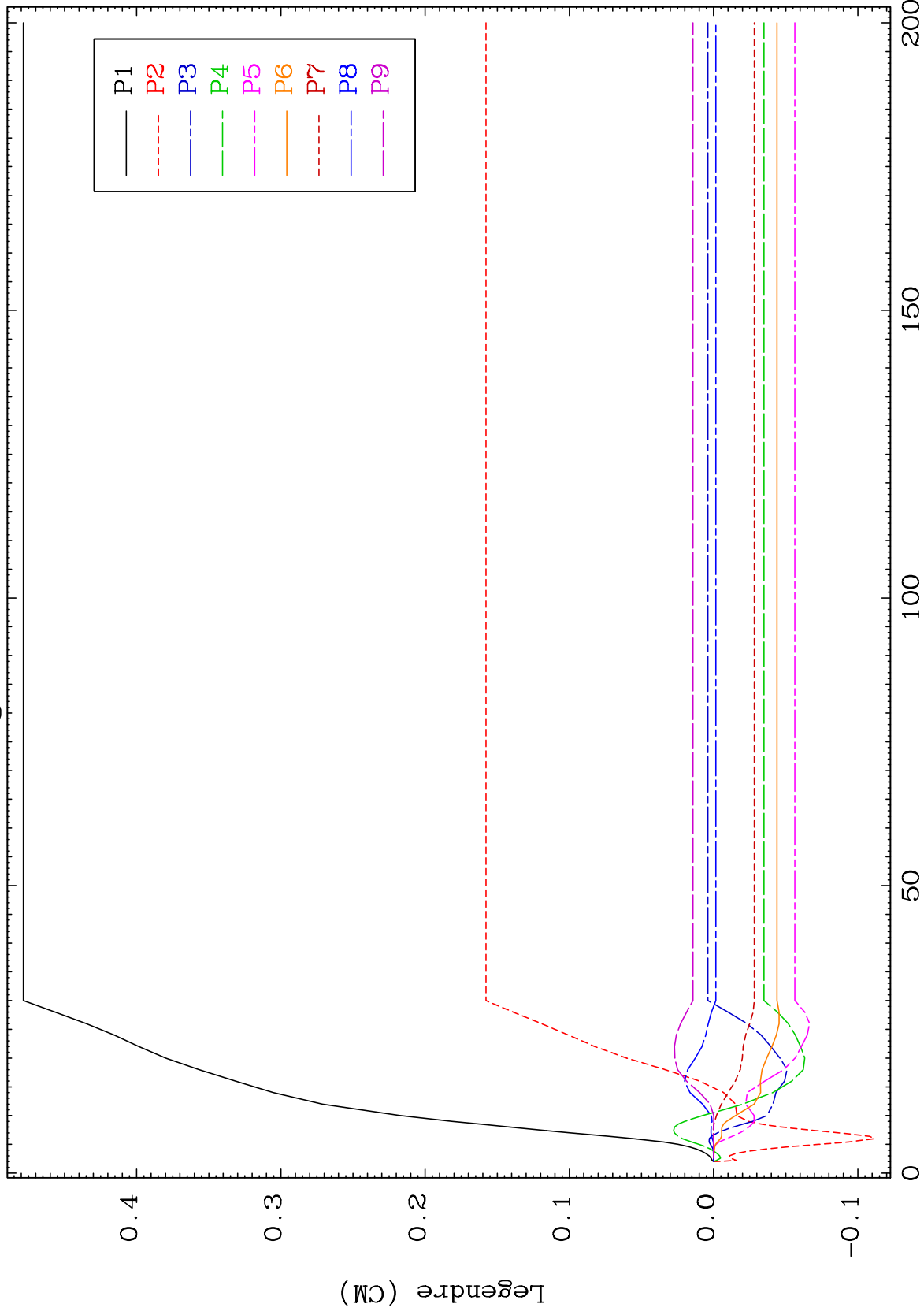
64-Gd-150



MAT 6419

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

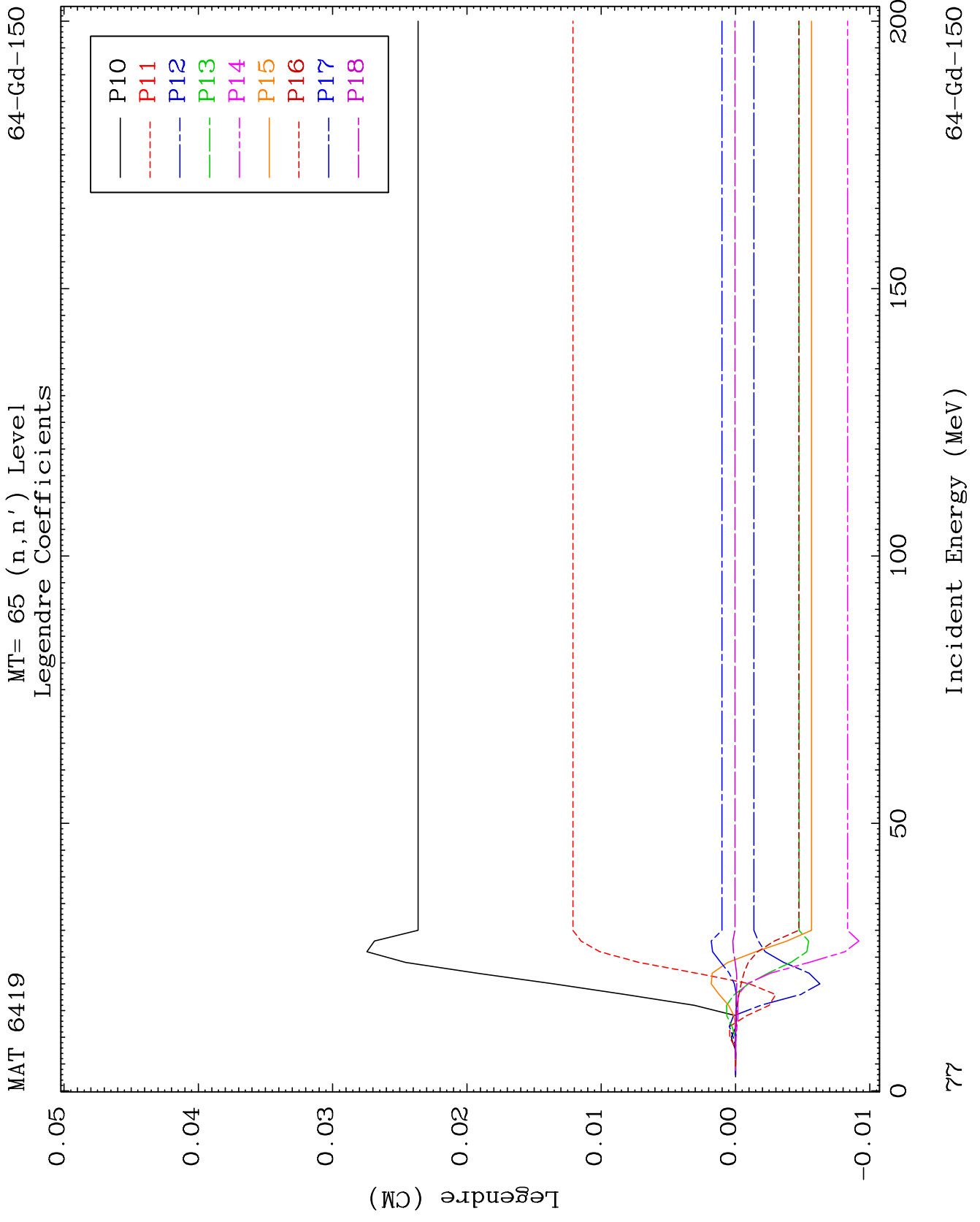
64-Gd-150



76

Incident Energy (MeV)

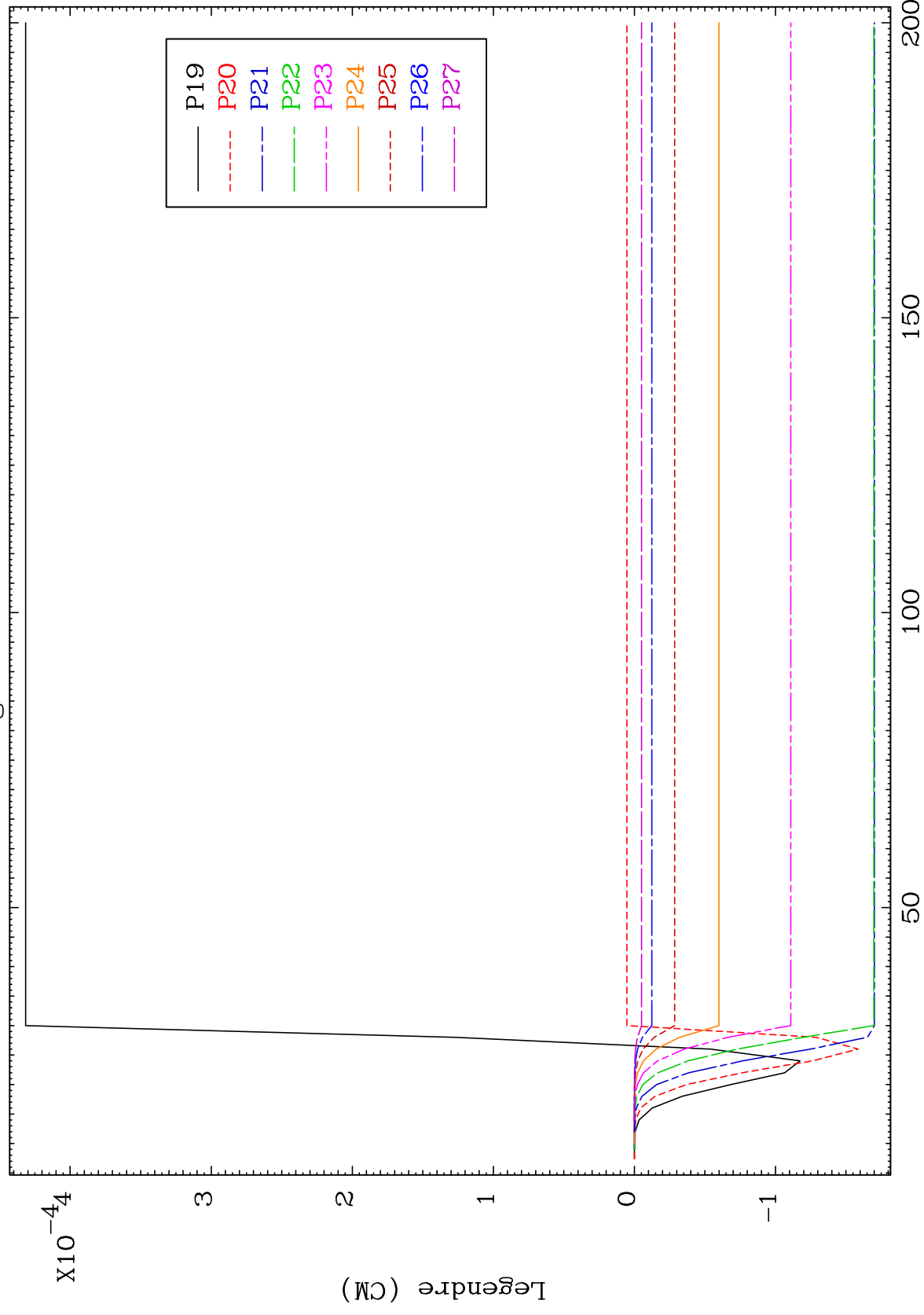
64-Gd-150



MAT 6419

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

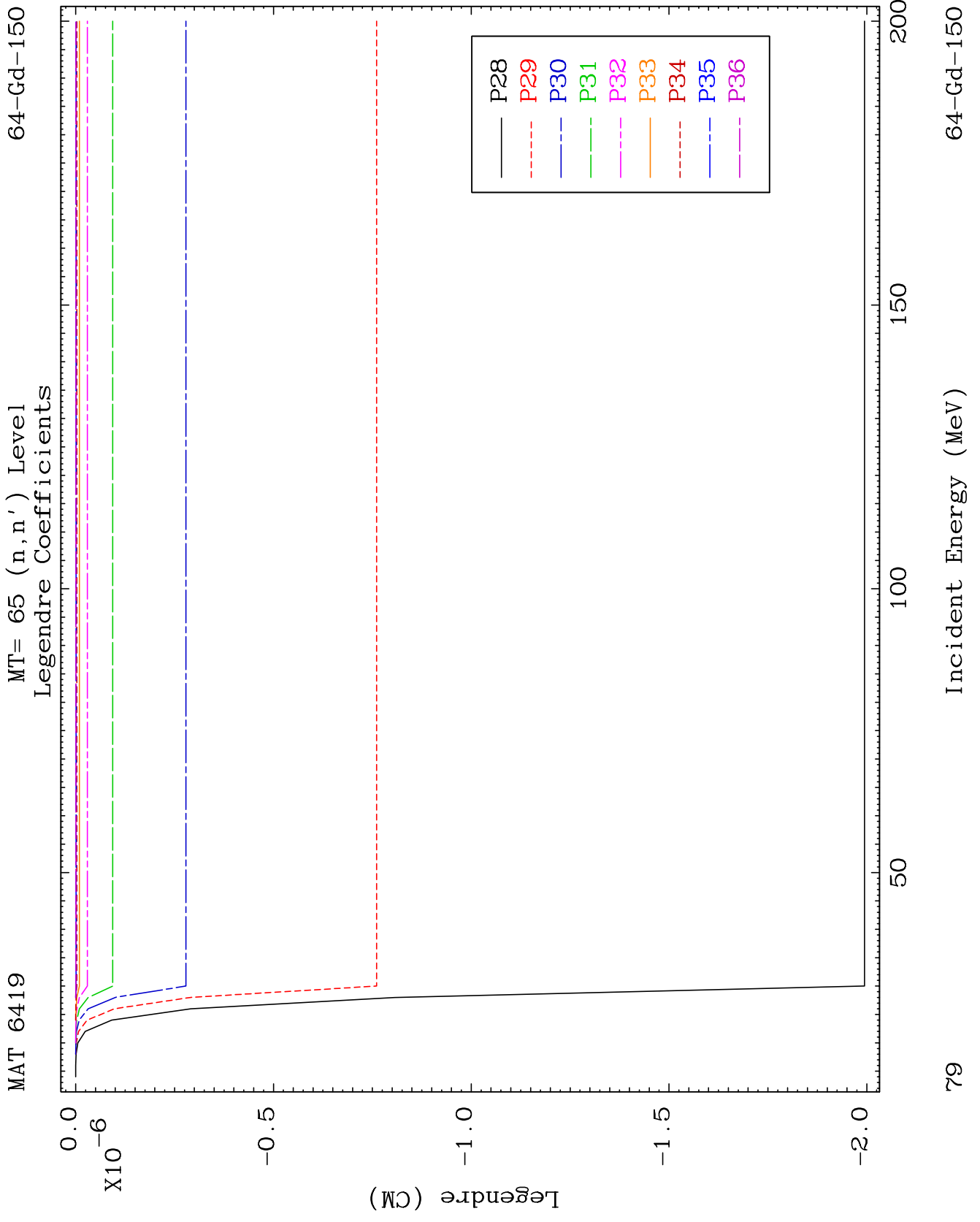
64-Gd-150



78

Incident Energy (MeV)

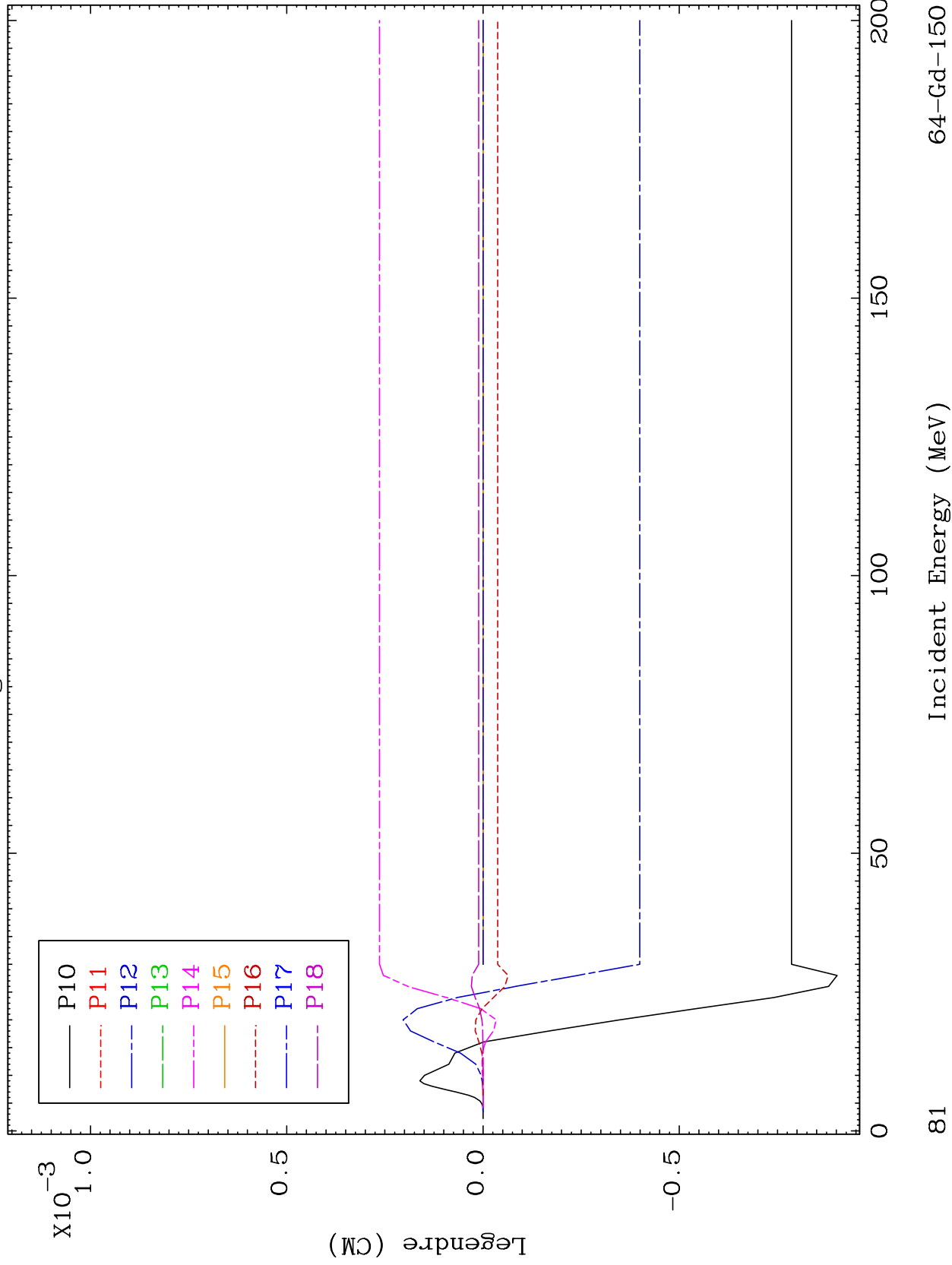
64-Gd-150



MAT 6419

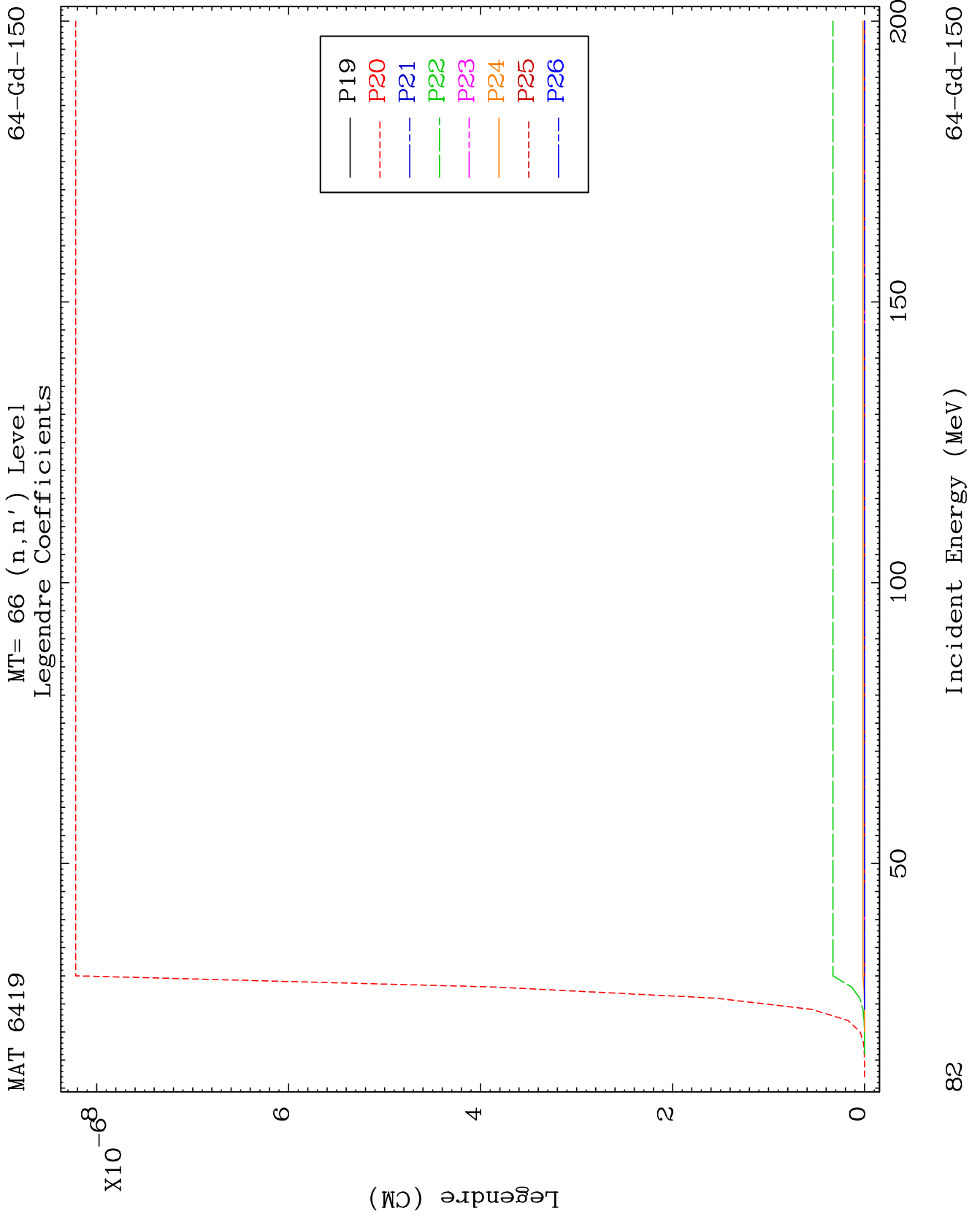
MT= 66 (n,n') Level
Legendre Coefficients

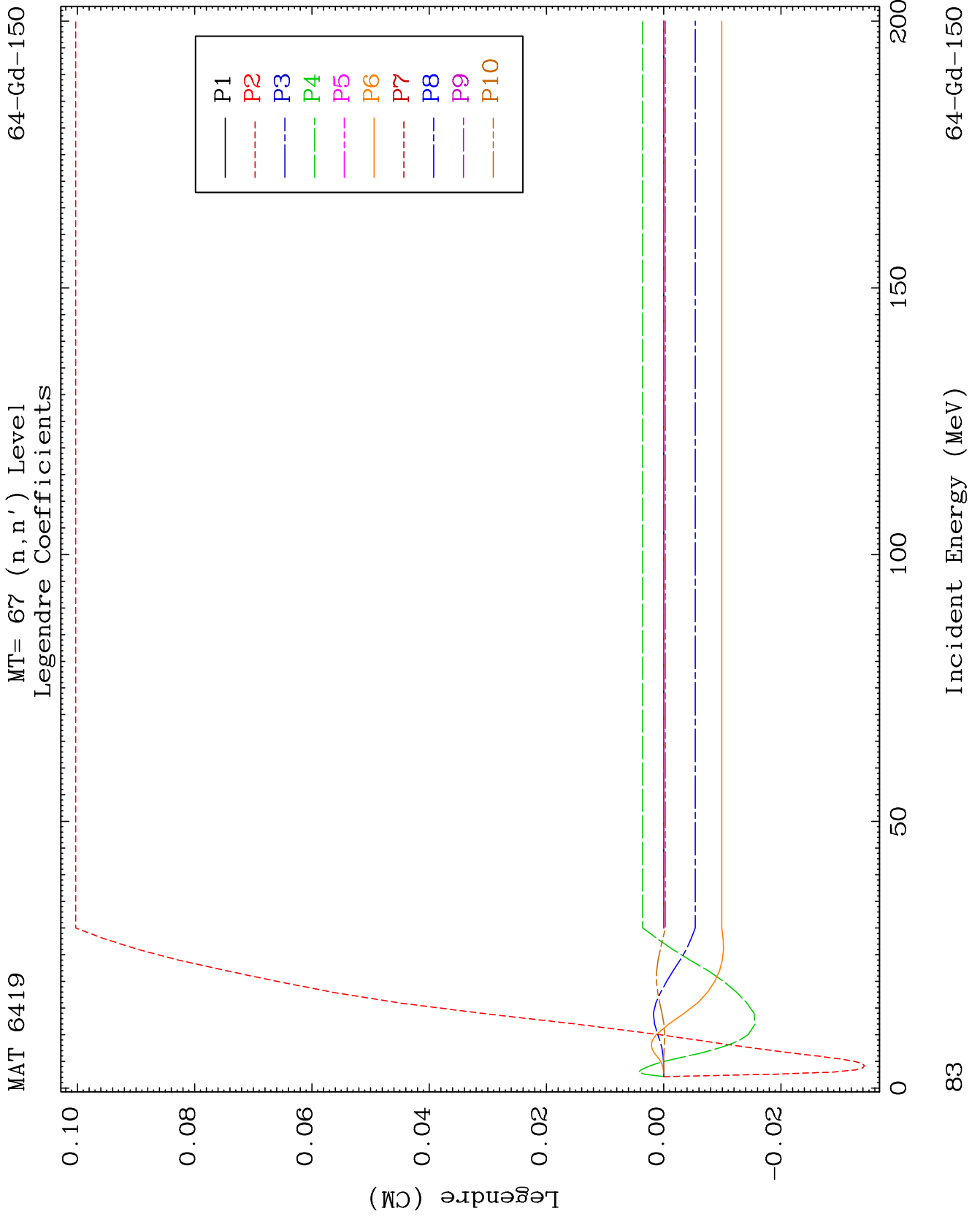
64-Gd-150

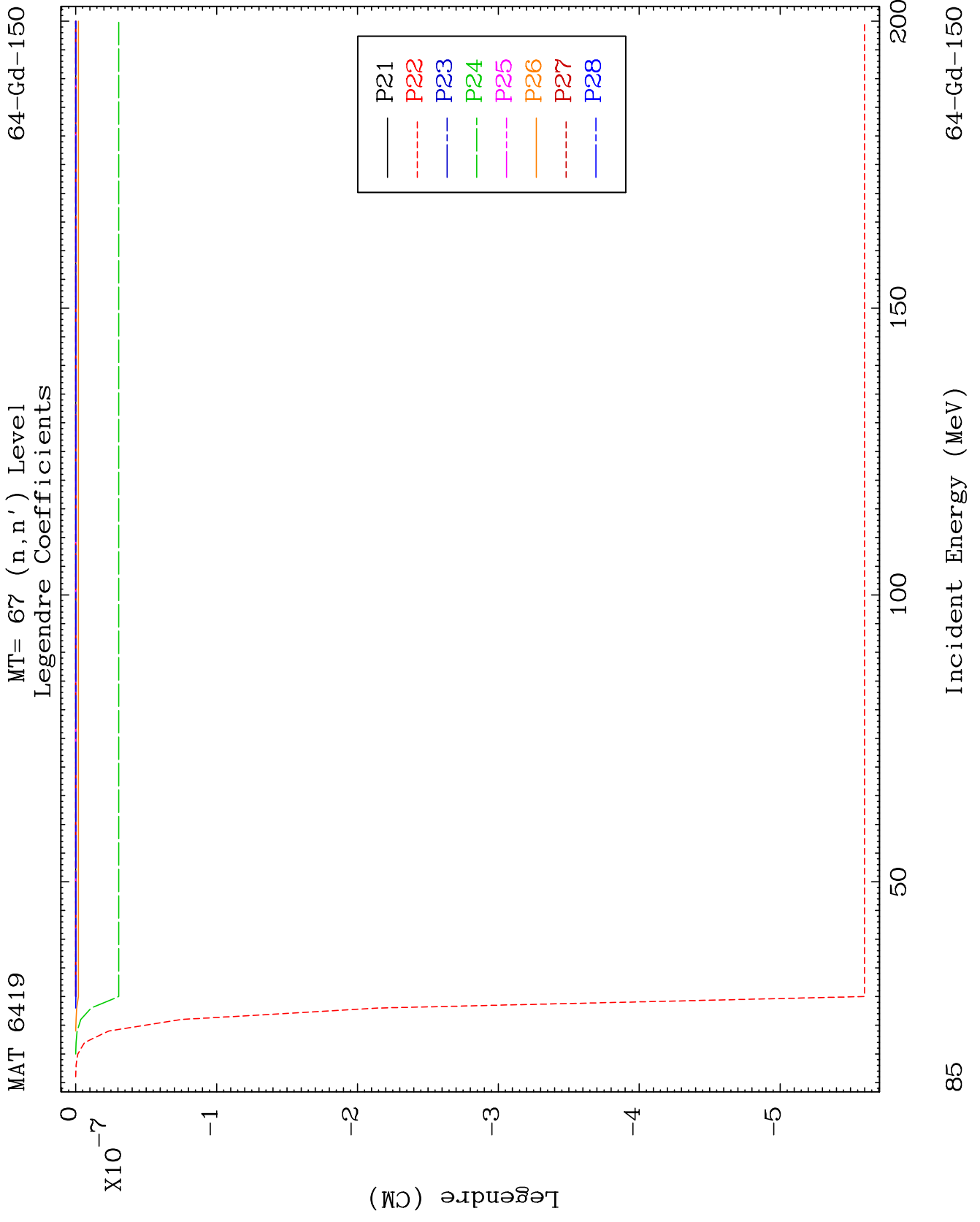


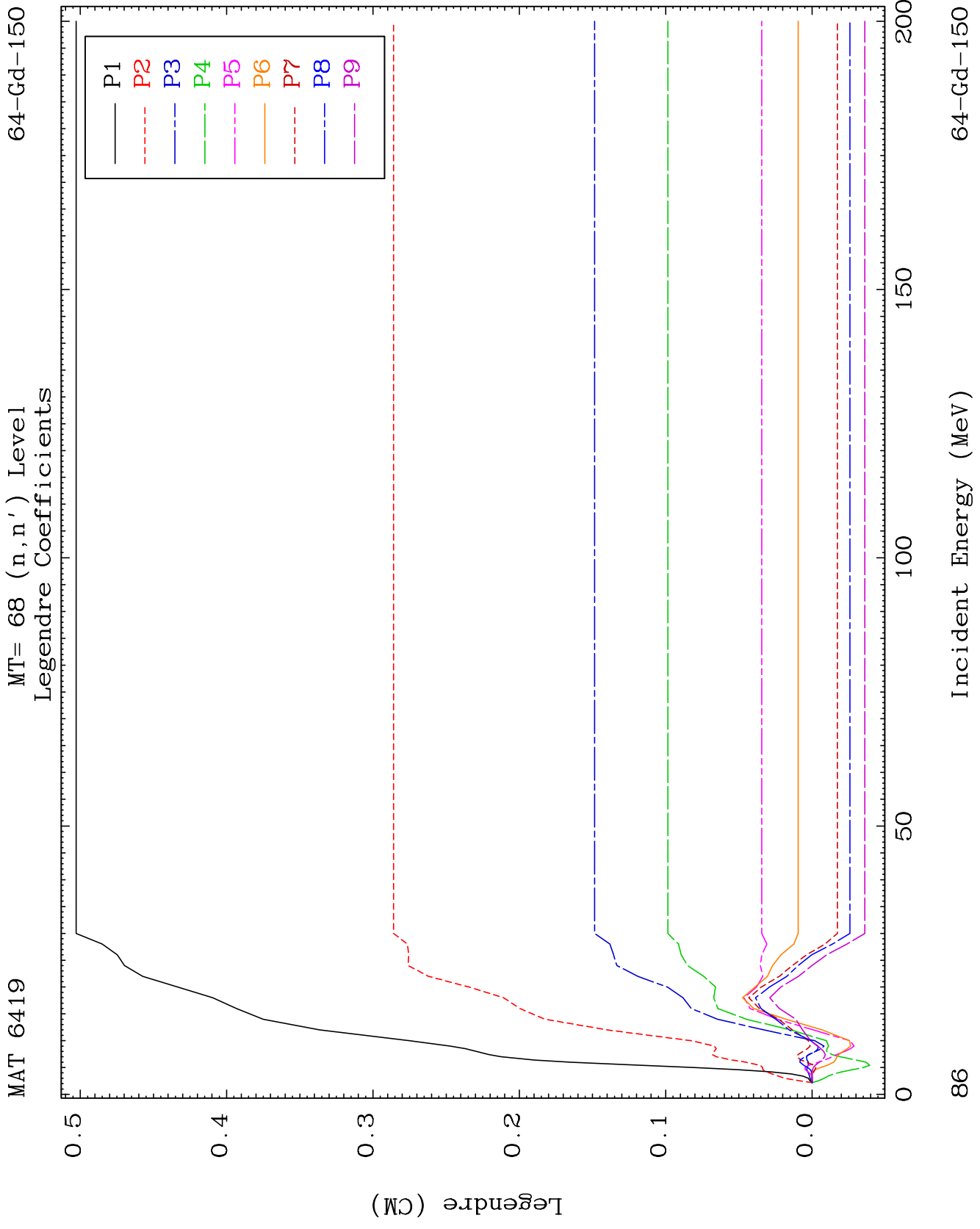
81

64-Gd-150





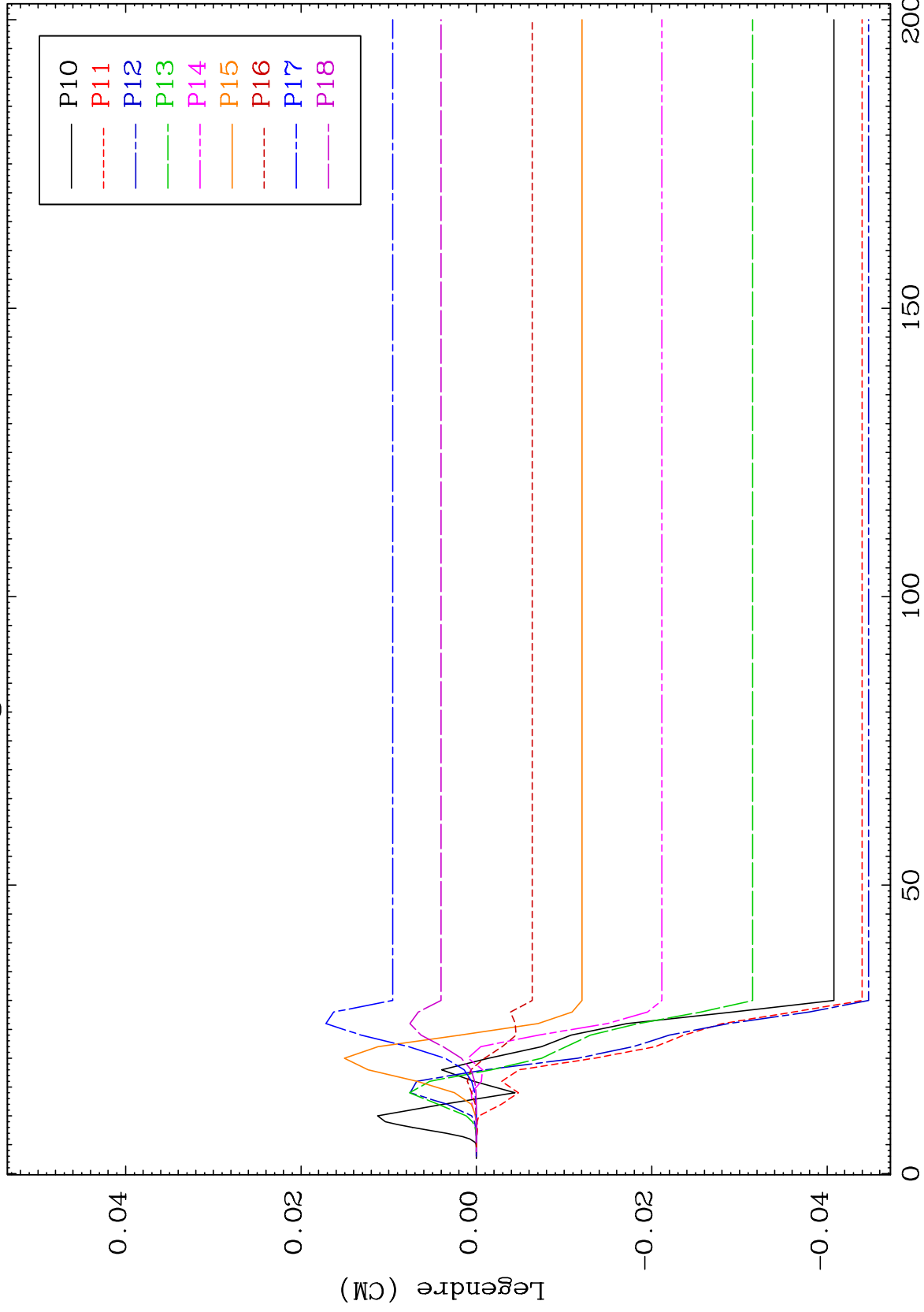




MAT 6419

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

64-Gd-150



87

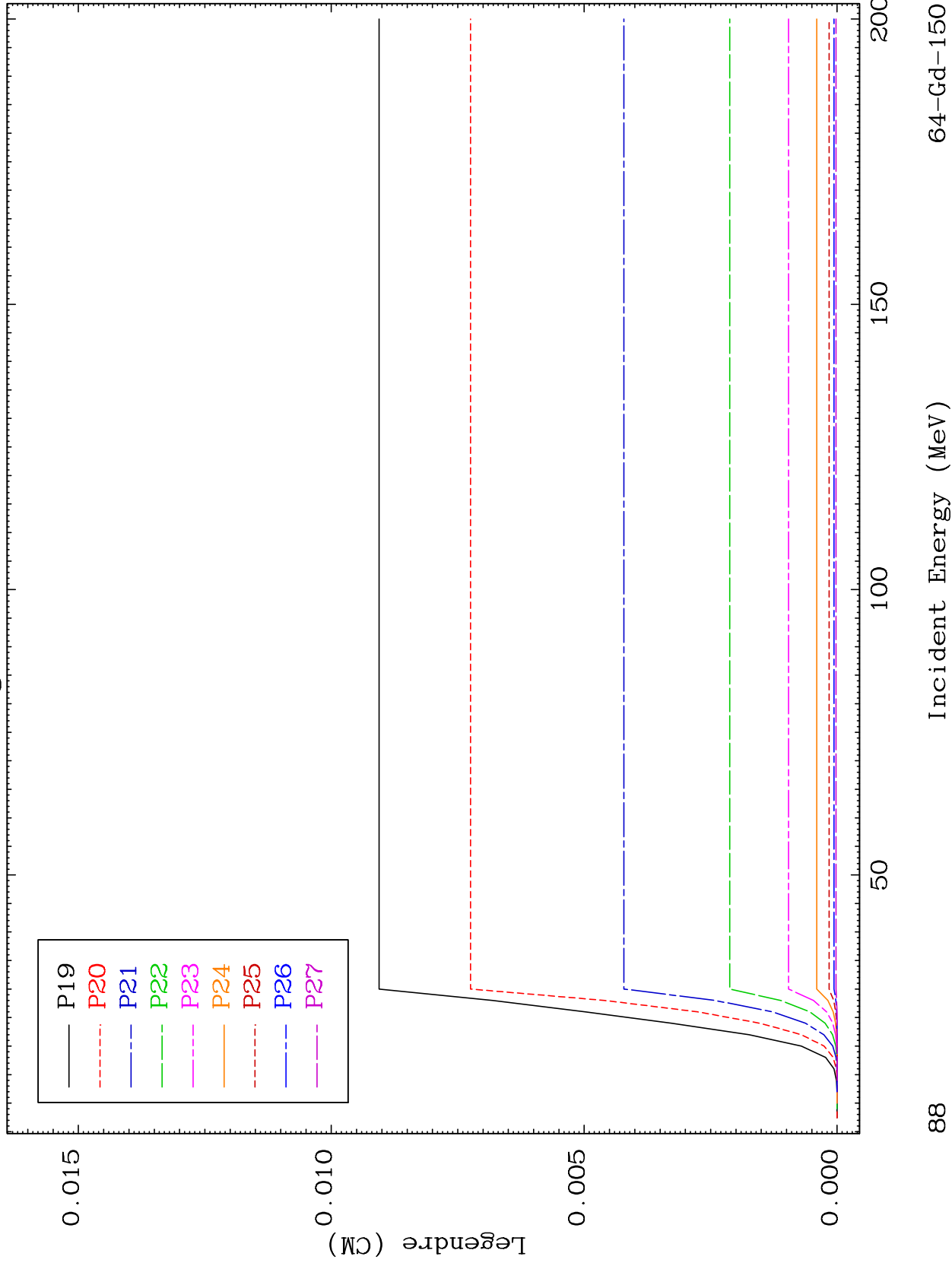
Incident Energy (MeV)

64-Gd-150

MAT 6419

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

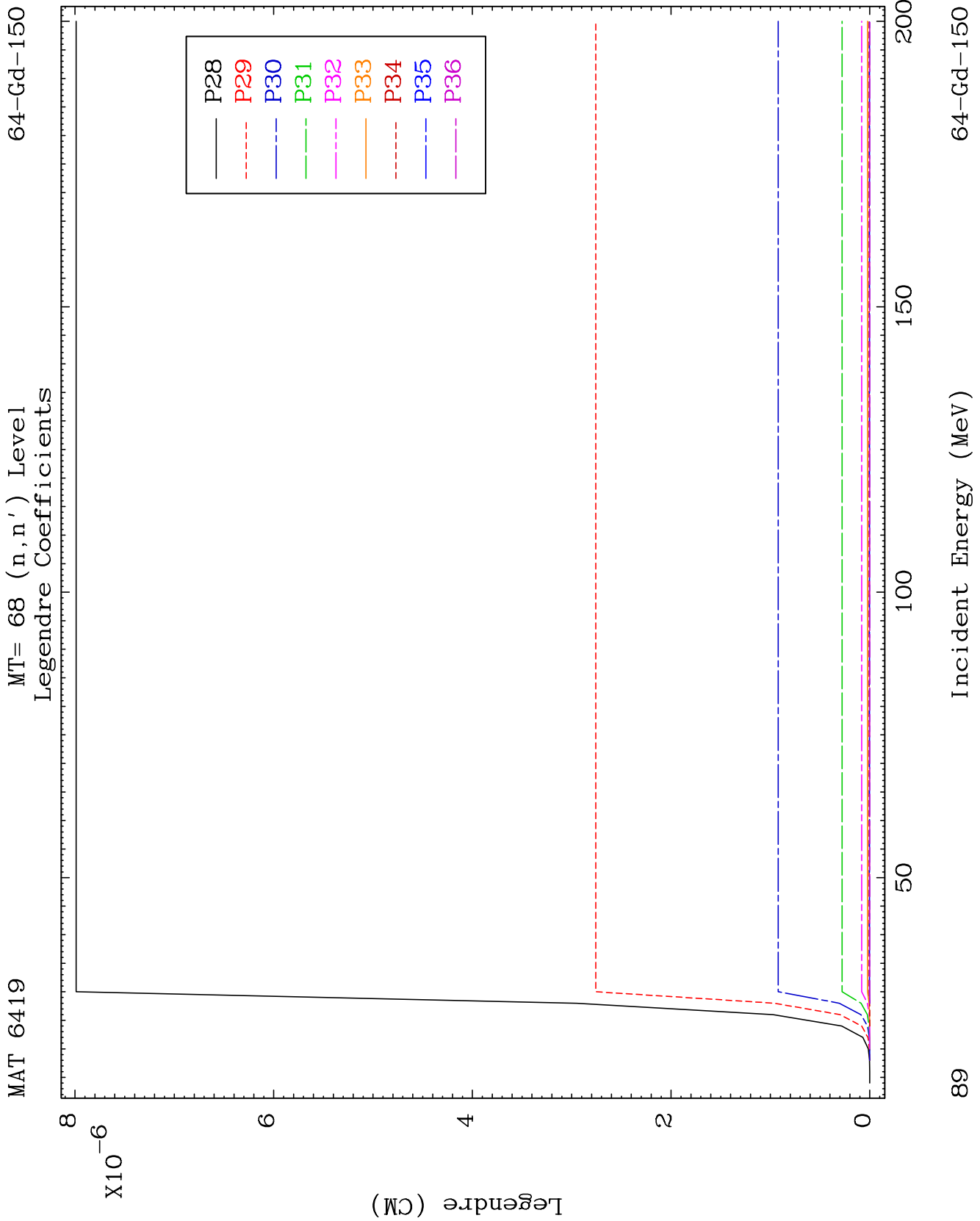
64-Gd-150



88

Incident Energy (MeV)

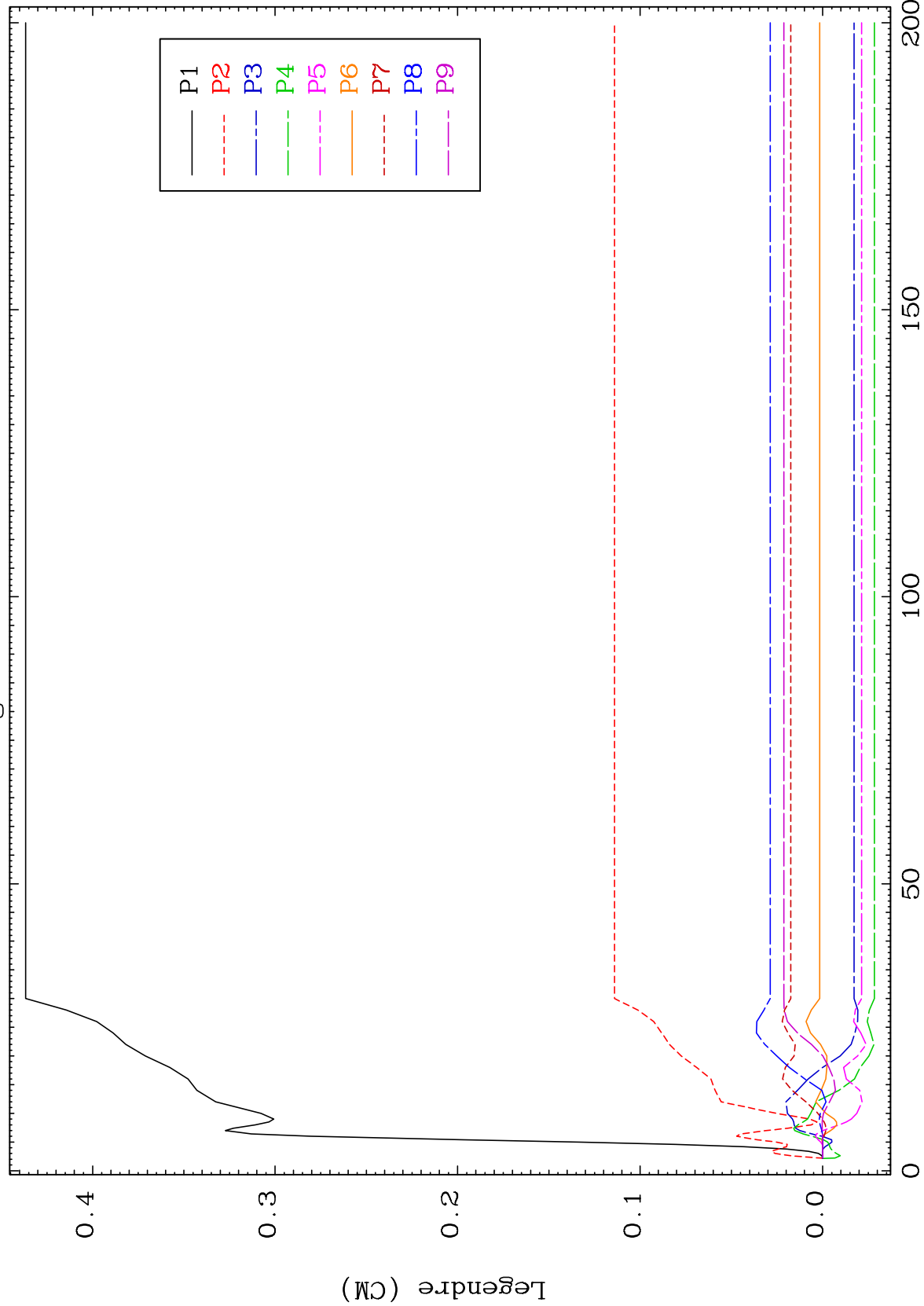
64-Gd-150



MAT 6419

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

64-Gd-150



64-Gd-150

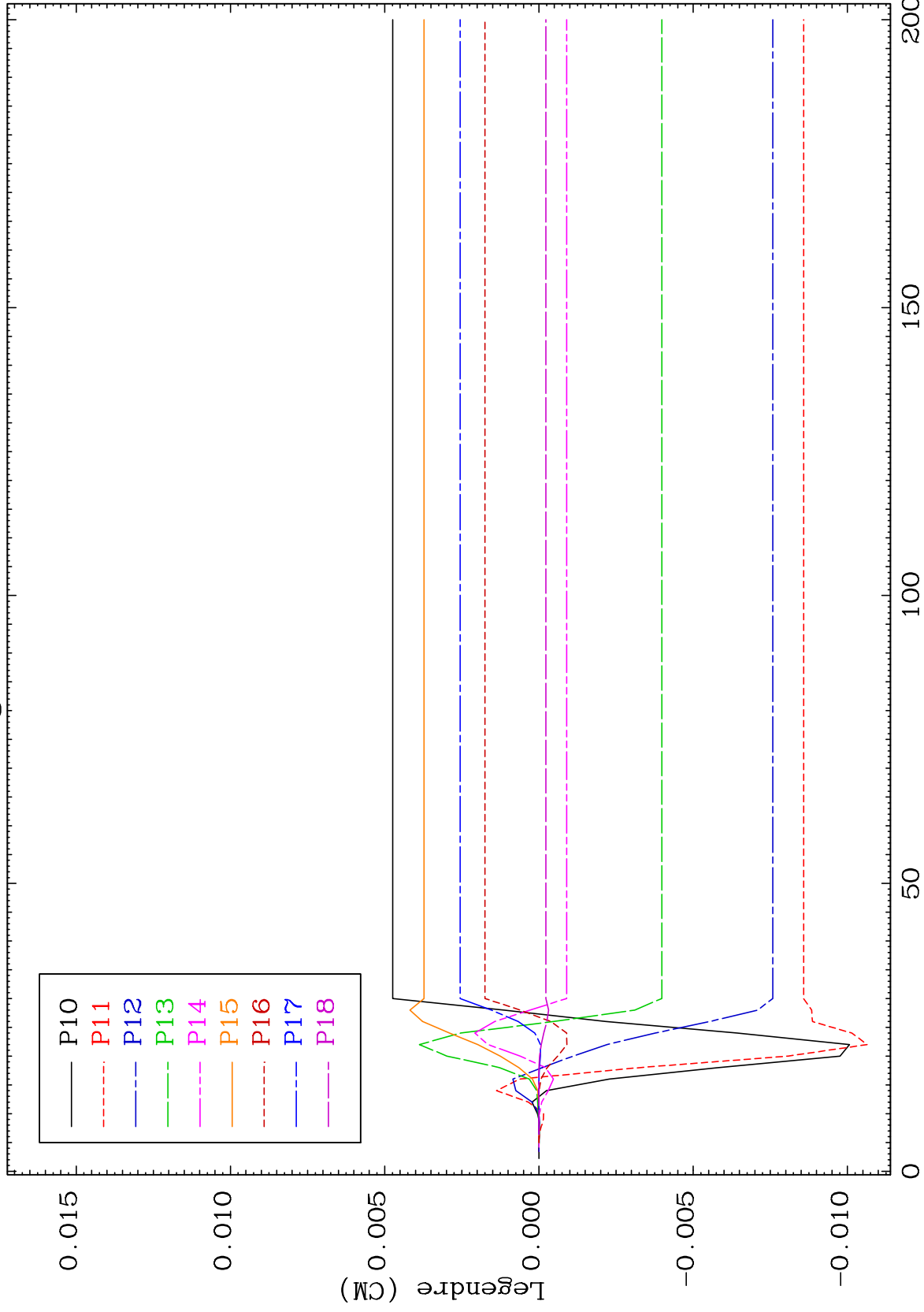
Incident Energy (MeV)

90

MAT 6419

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

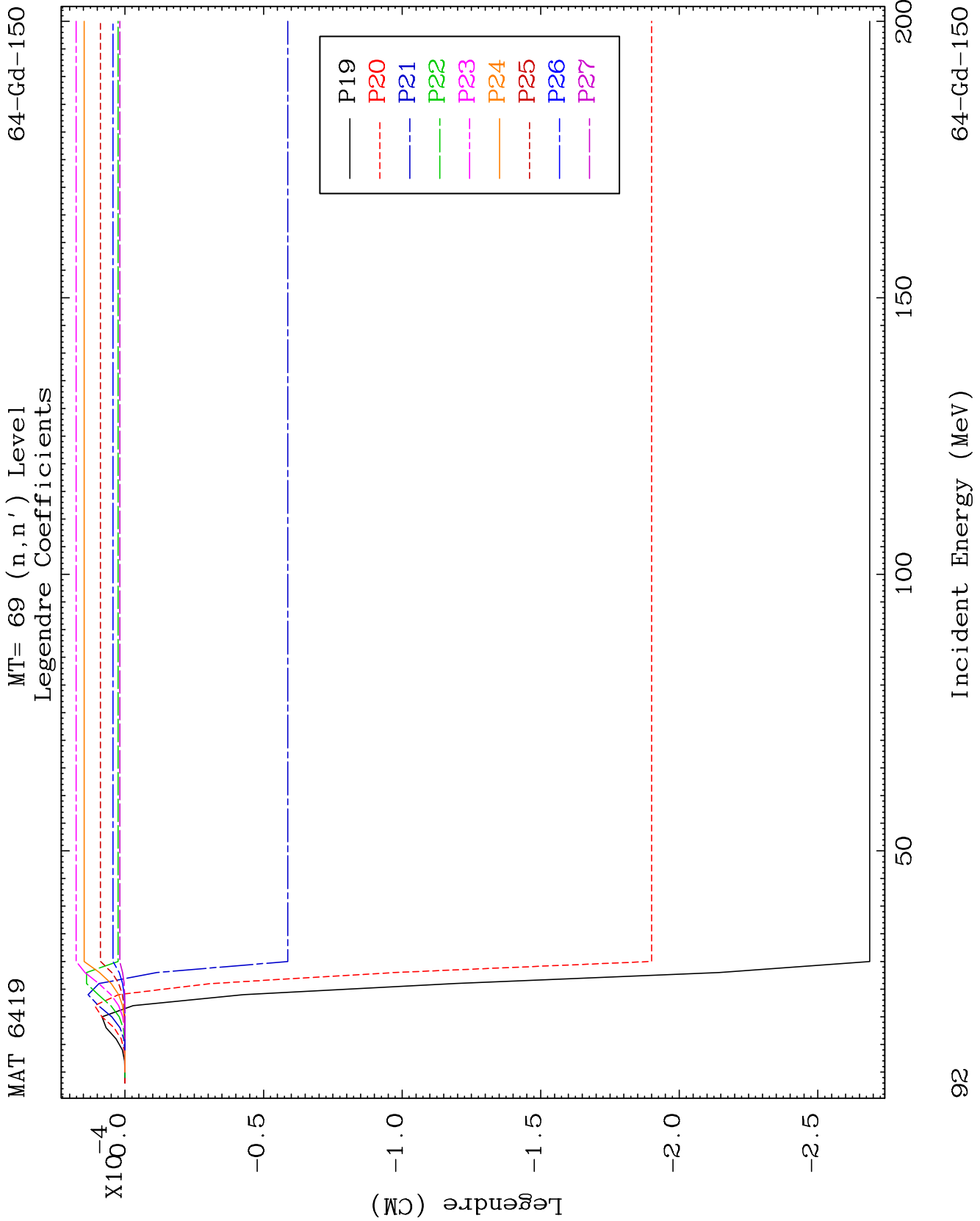
64-Gd-150



91

Incident Energy (MeV)

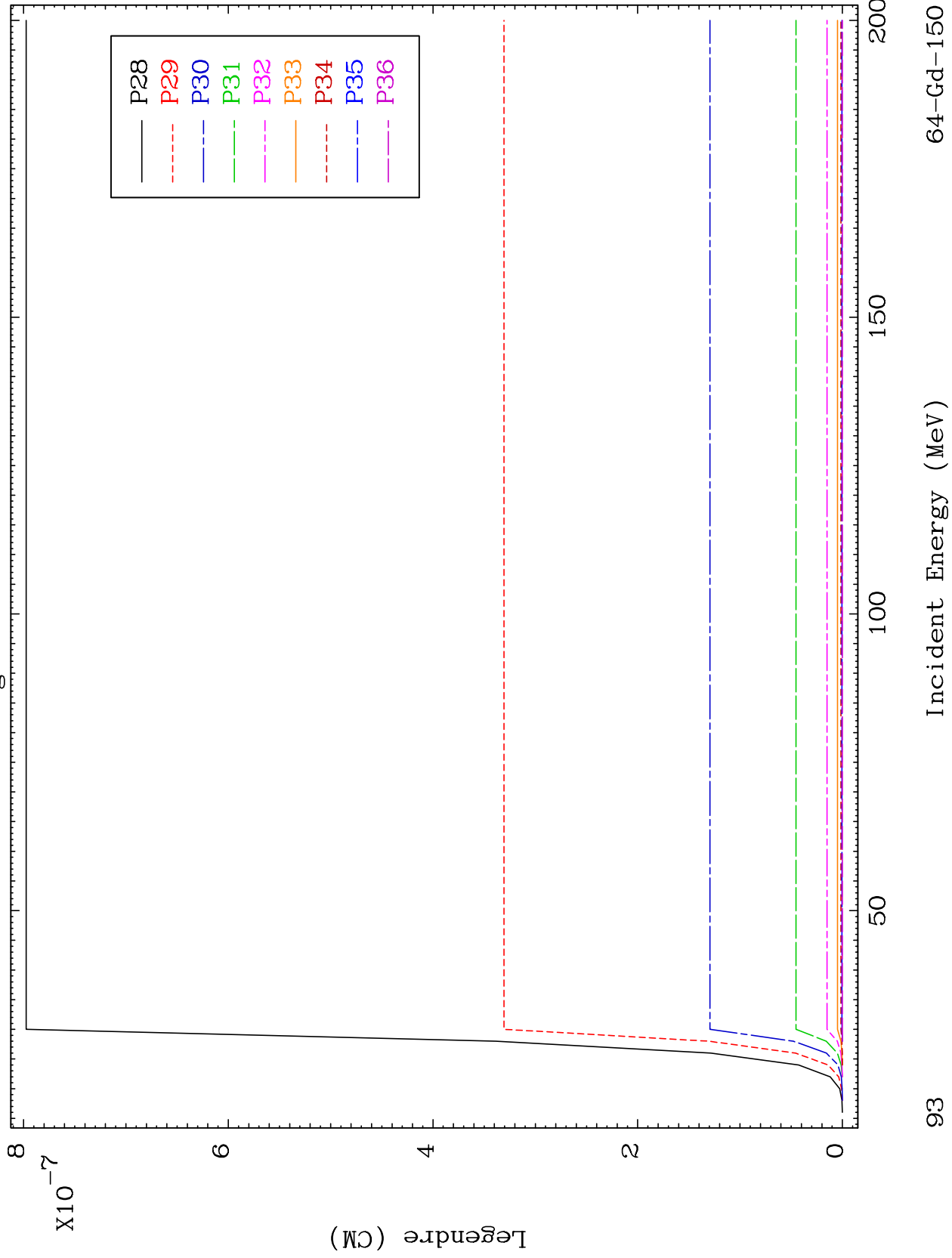
64-Gd-150



MAT 6419

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

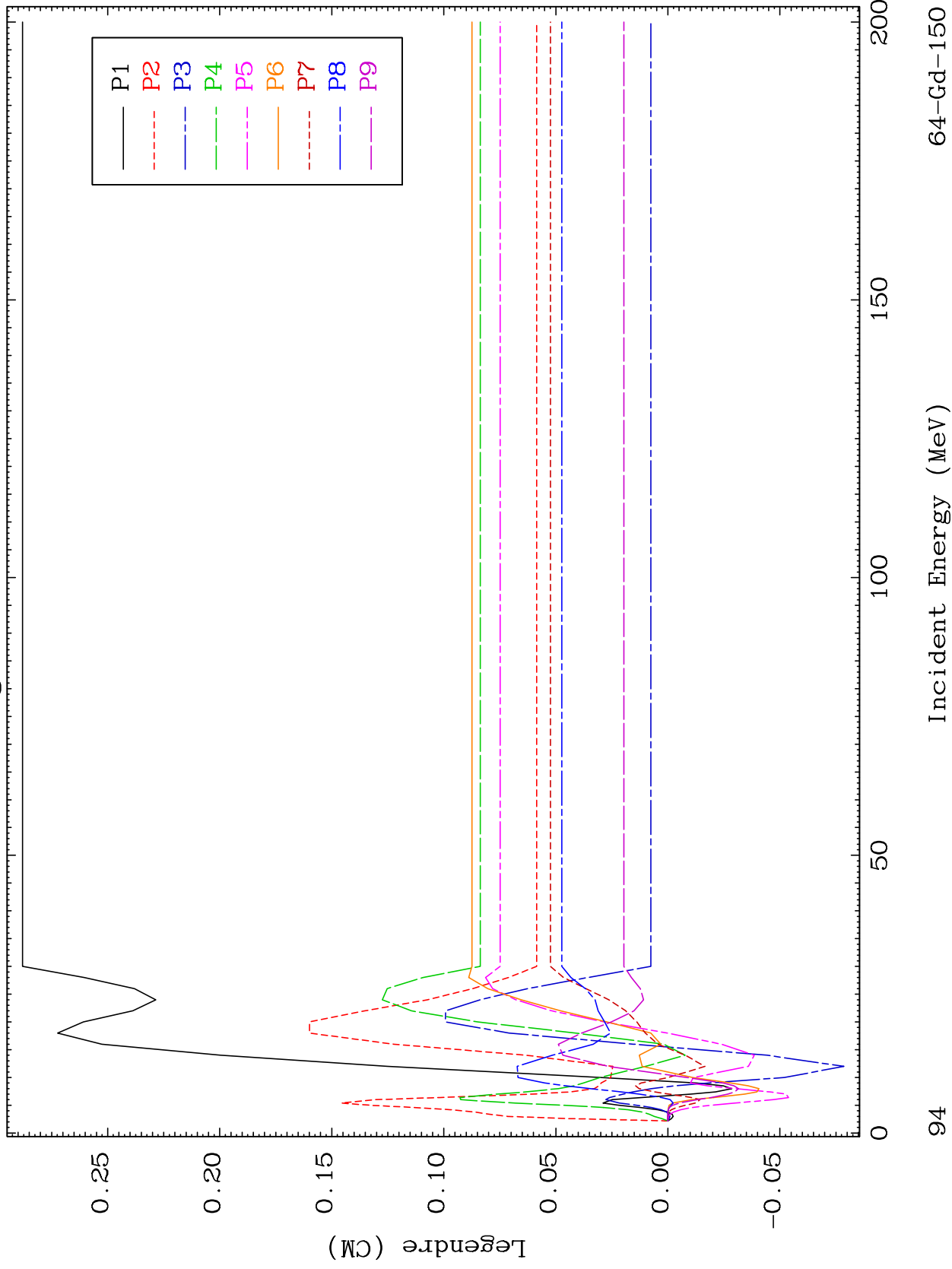
64-Gd-150



MAT 6419

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

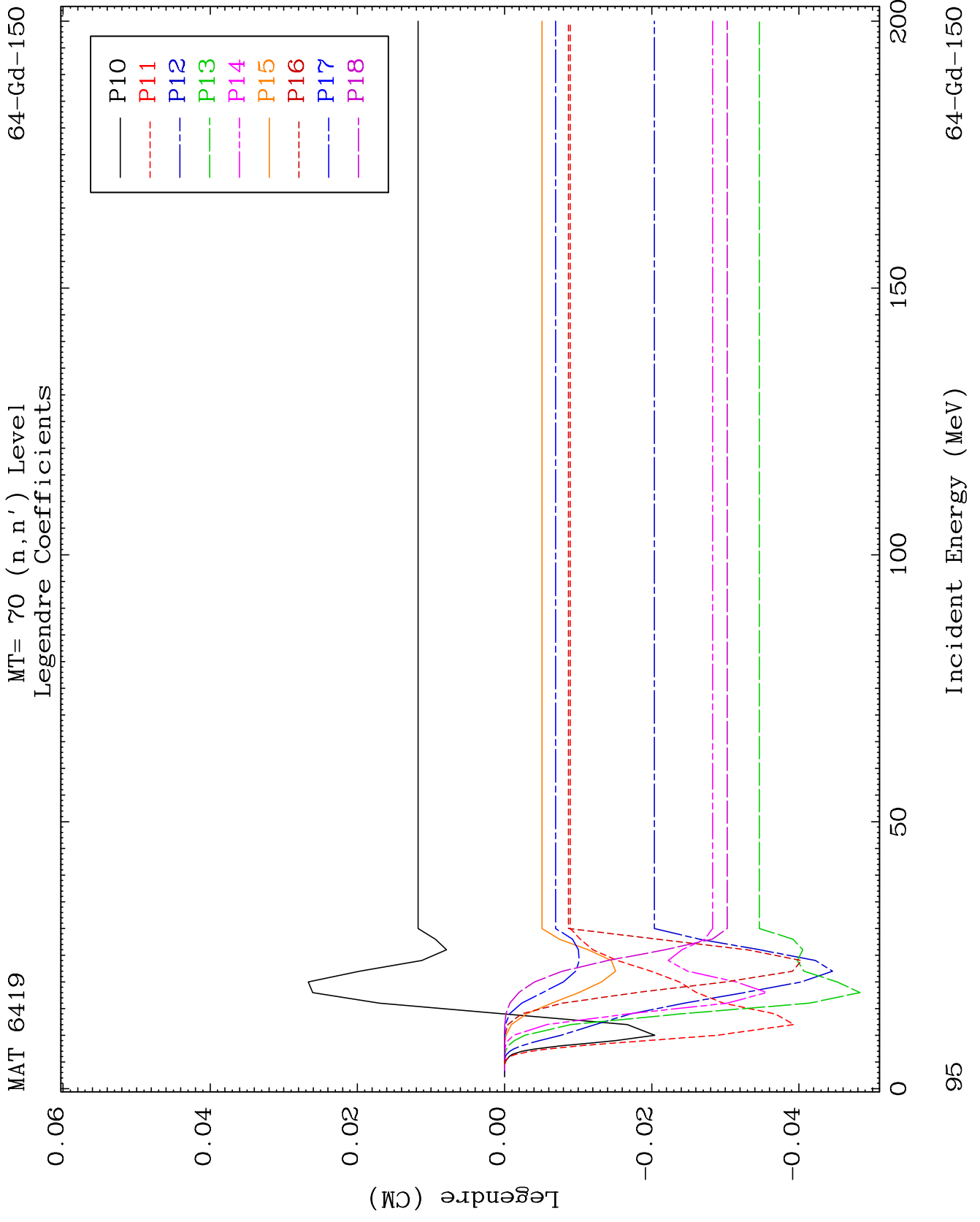
64-Gd-150



64-Gd-150

Incident Energy (MeV)

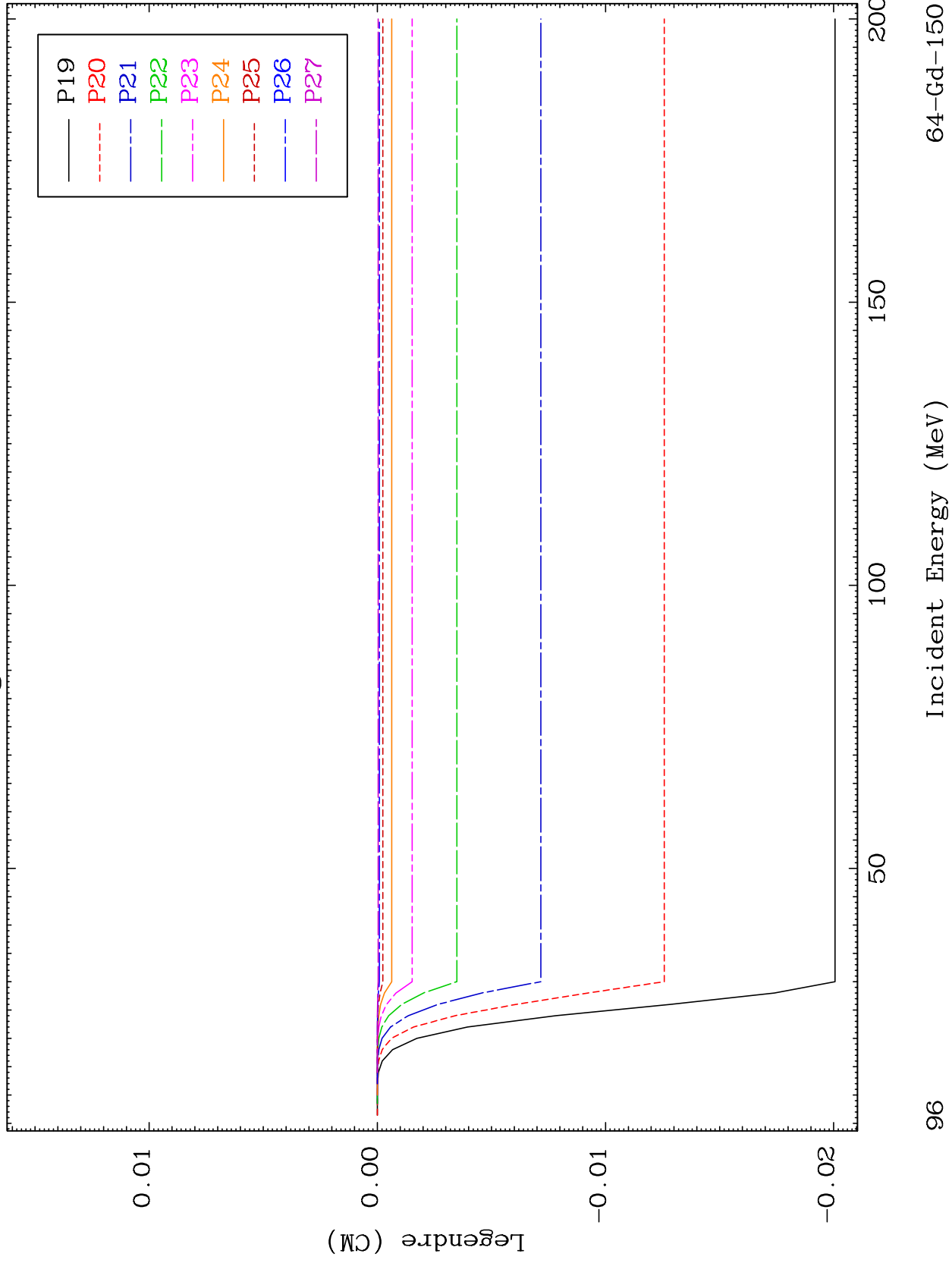
94



MAT 6419

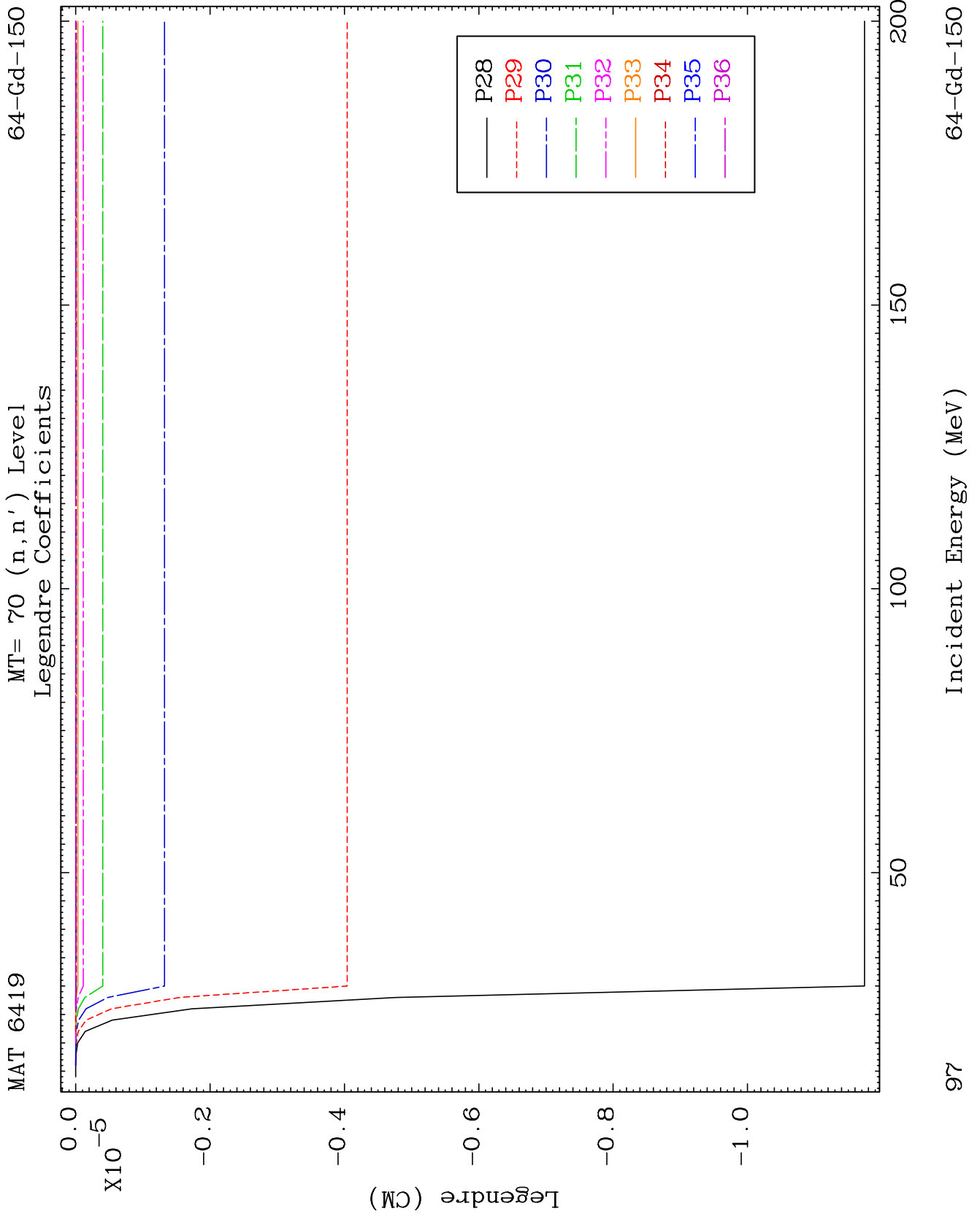
MT= 70 (n,n') Level
Legendre Coefficients

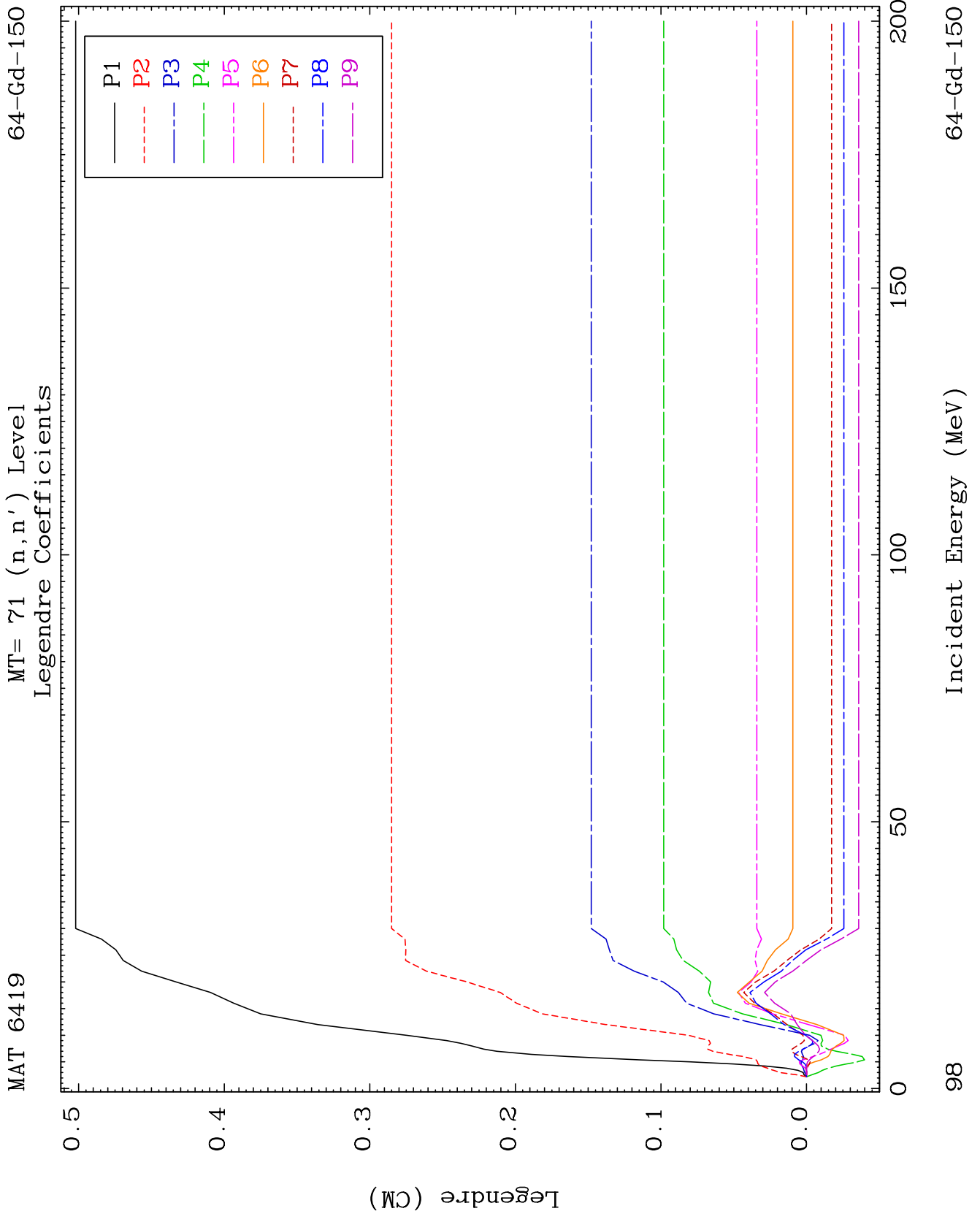
64-Gd-150



96

64-Gd-150

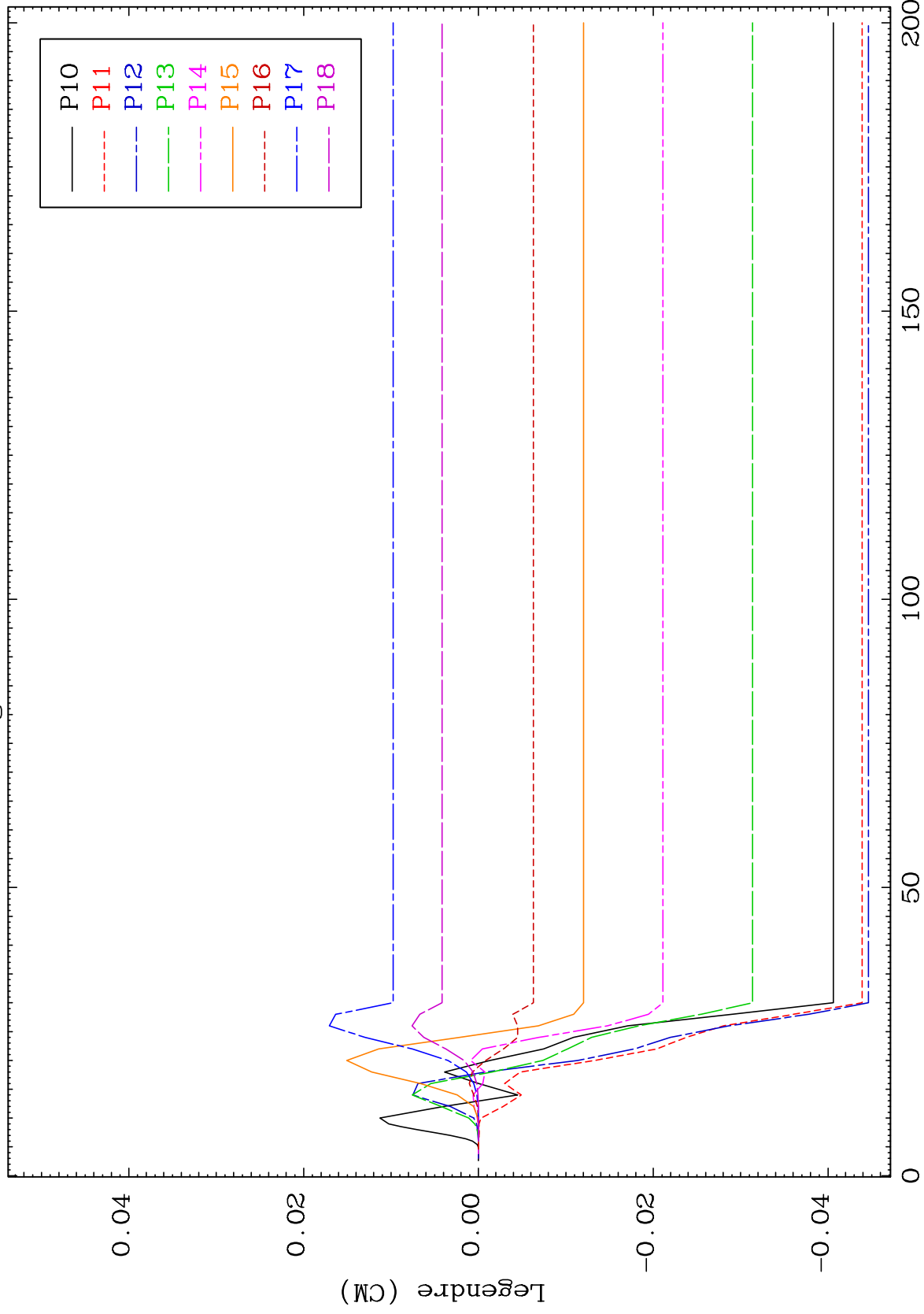




MAT 6419

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

64-Gd-150



99

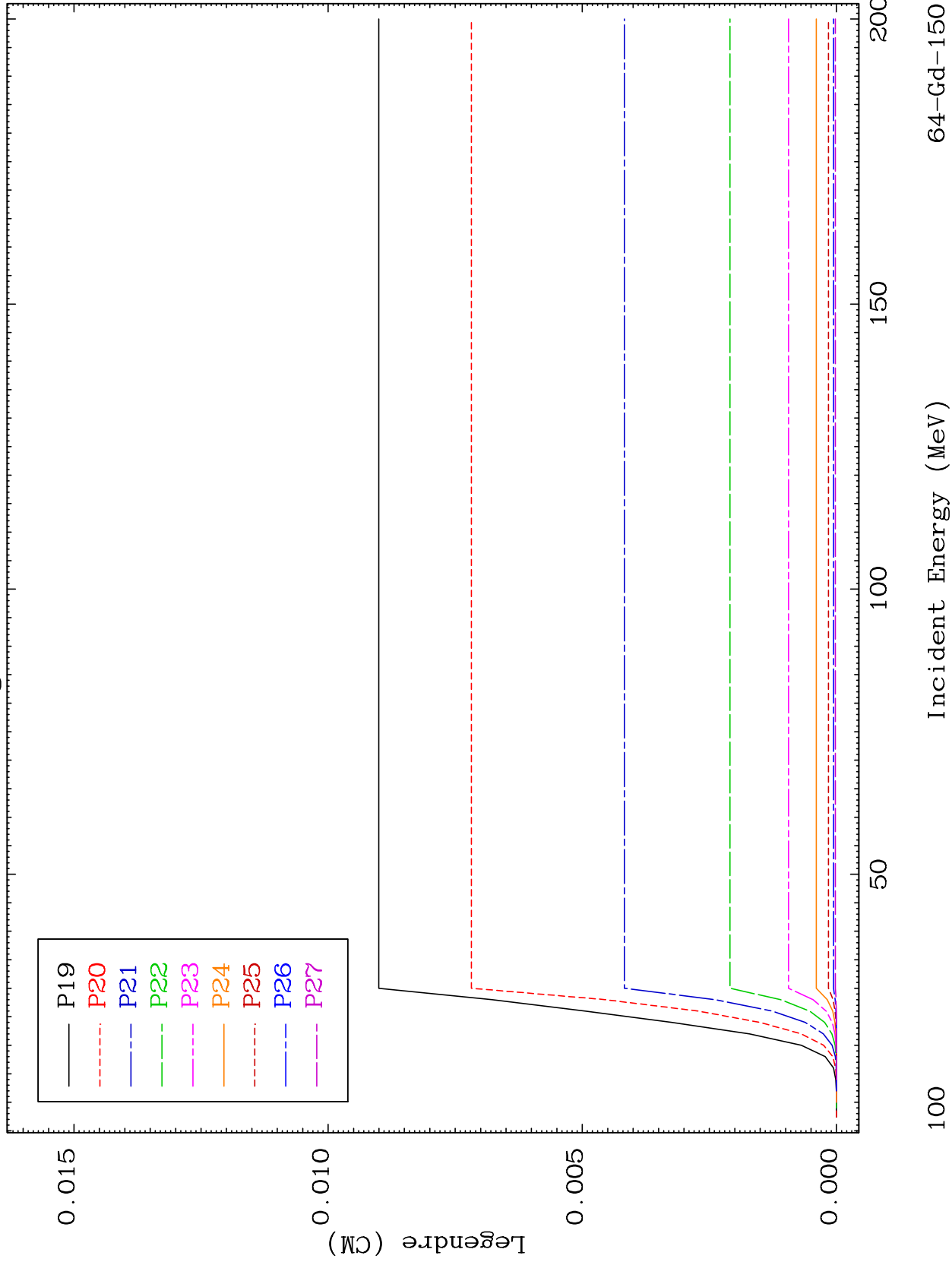
Incident Energy (MeV)

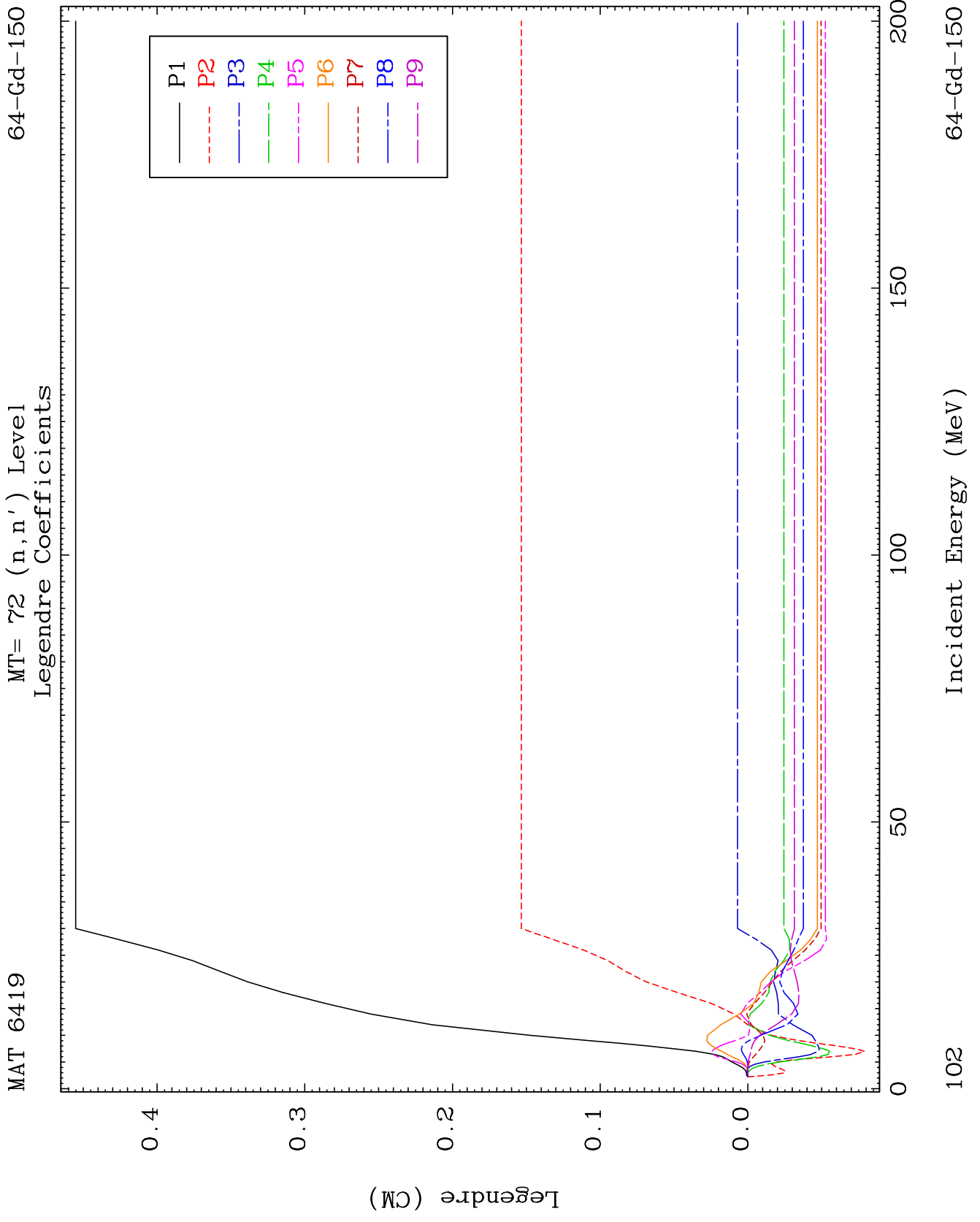
64-Gd-150

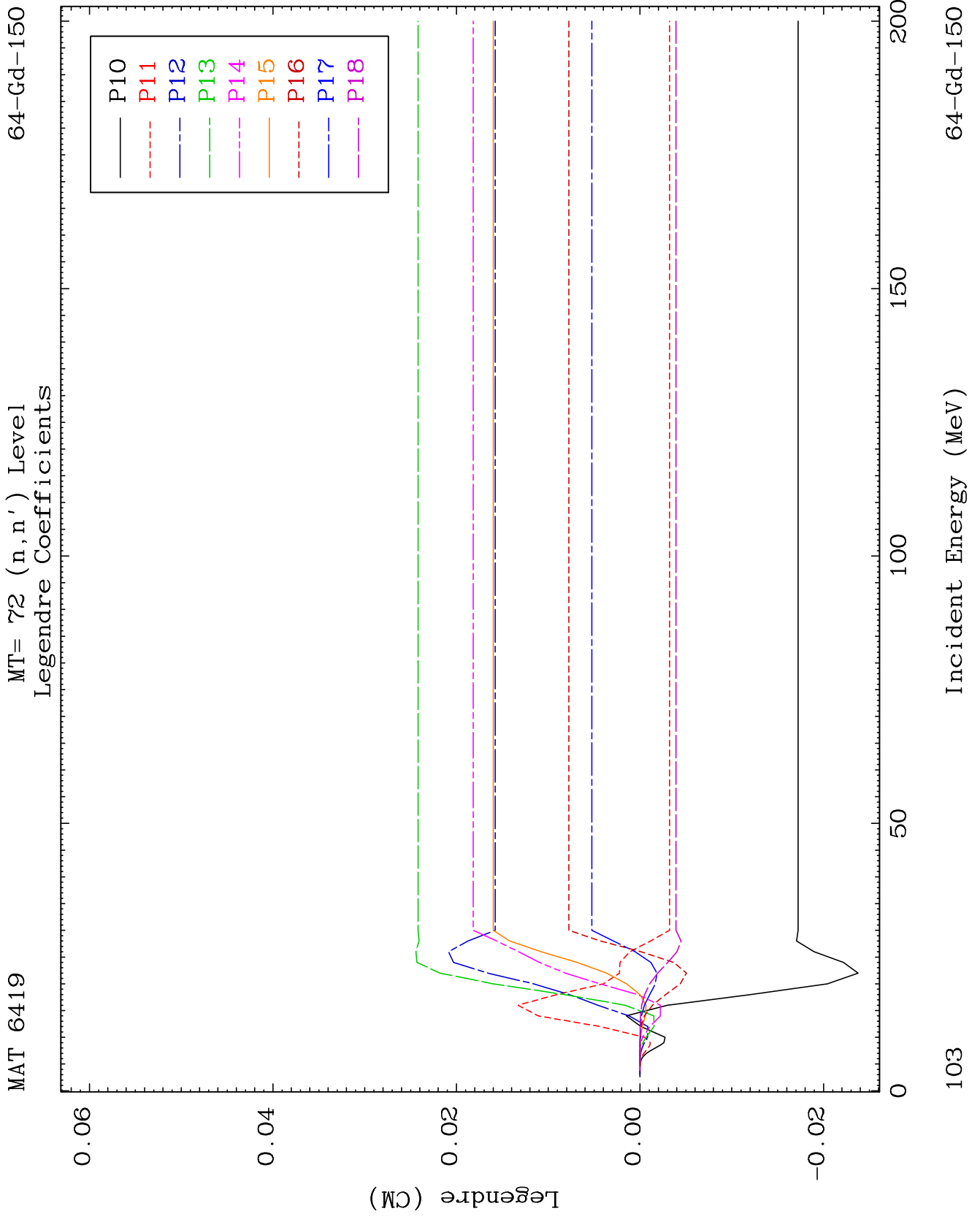
MAT 6419

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

64-Gd-150



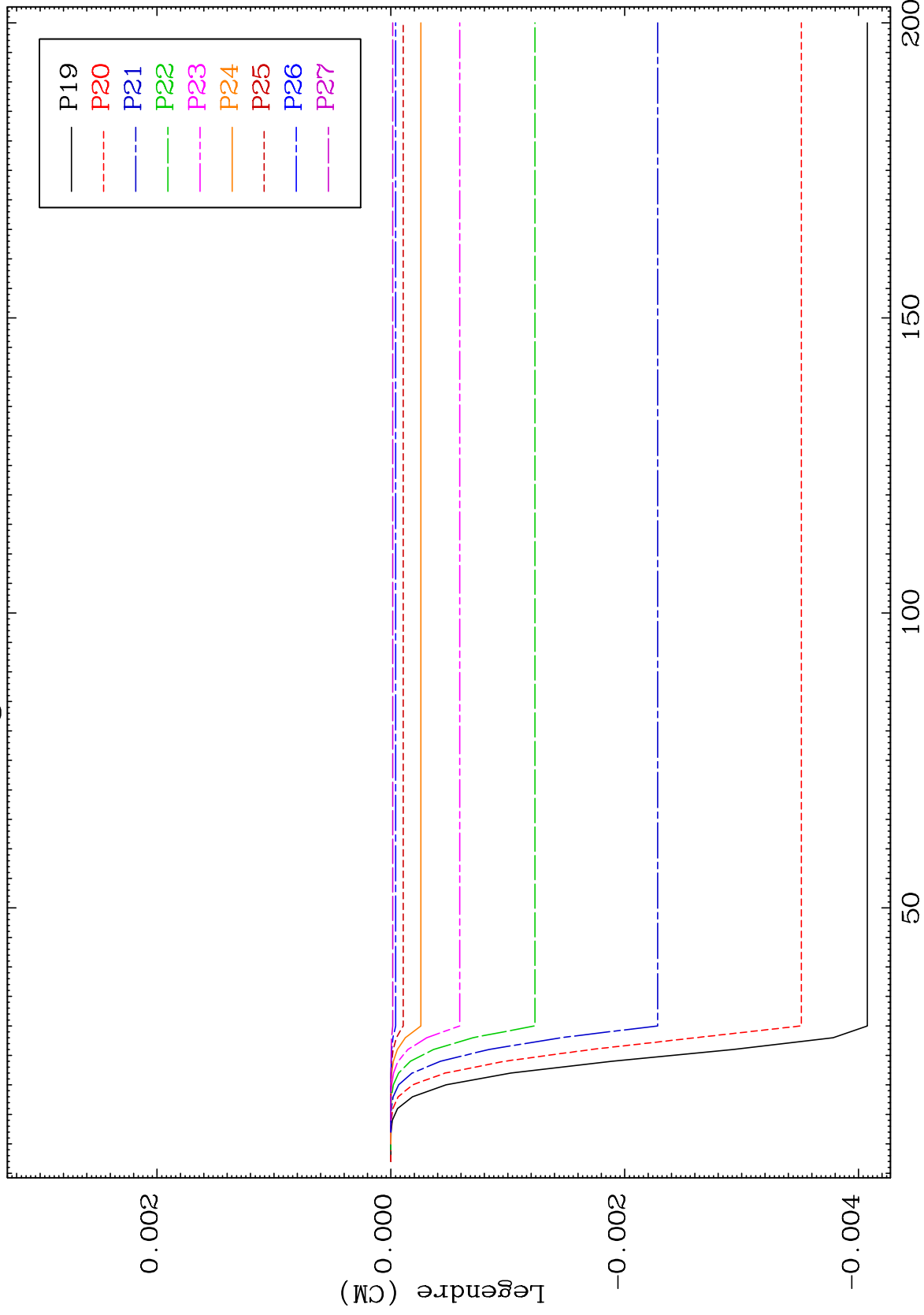




MAT 6419

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

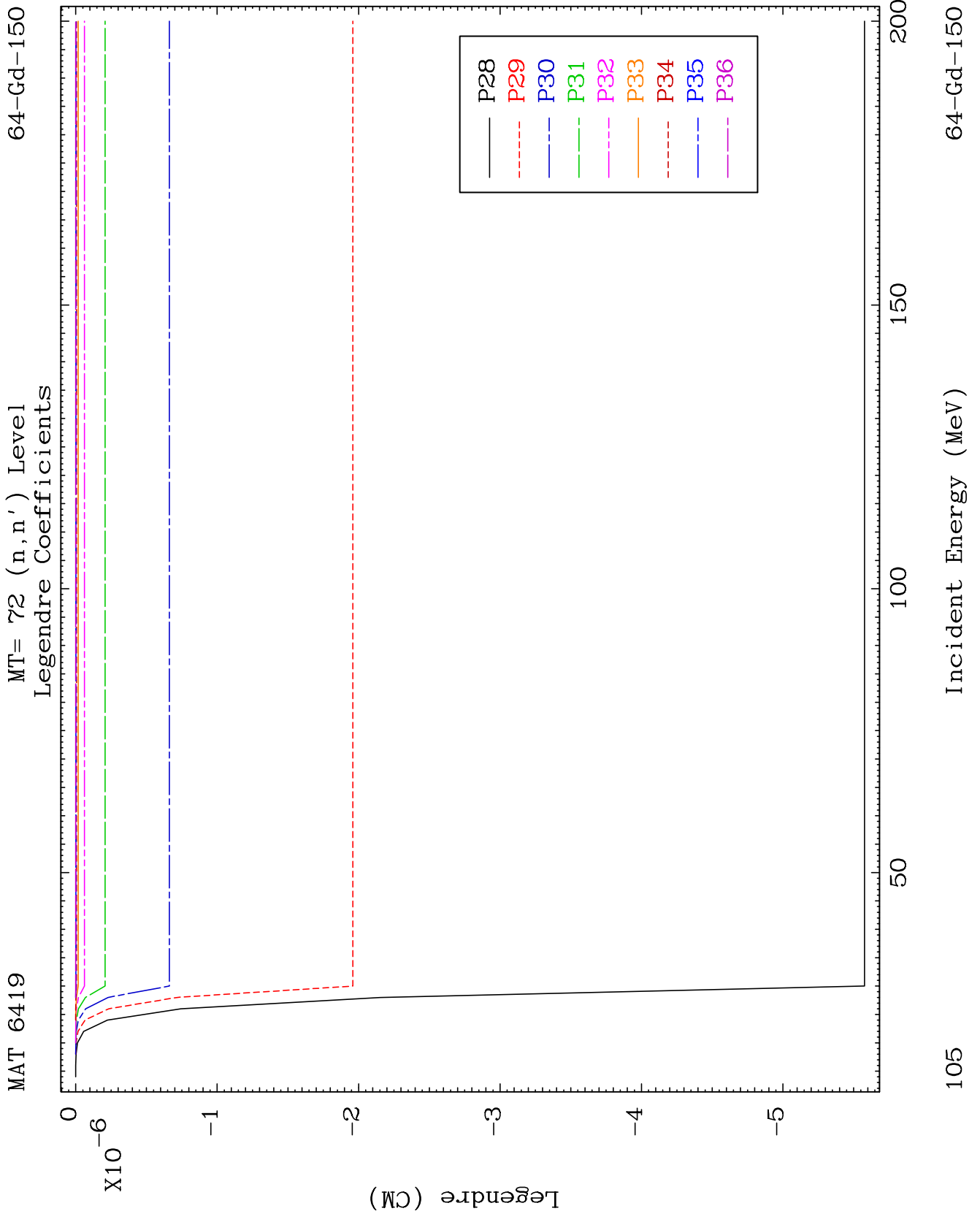
64-Gd-150



104

Incident Energy (MeV)

64-Gd-150

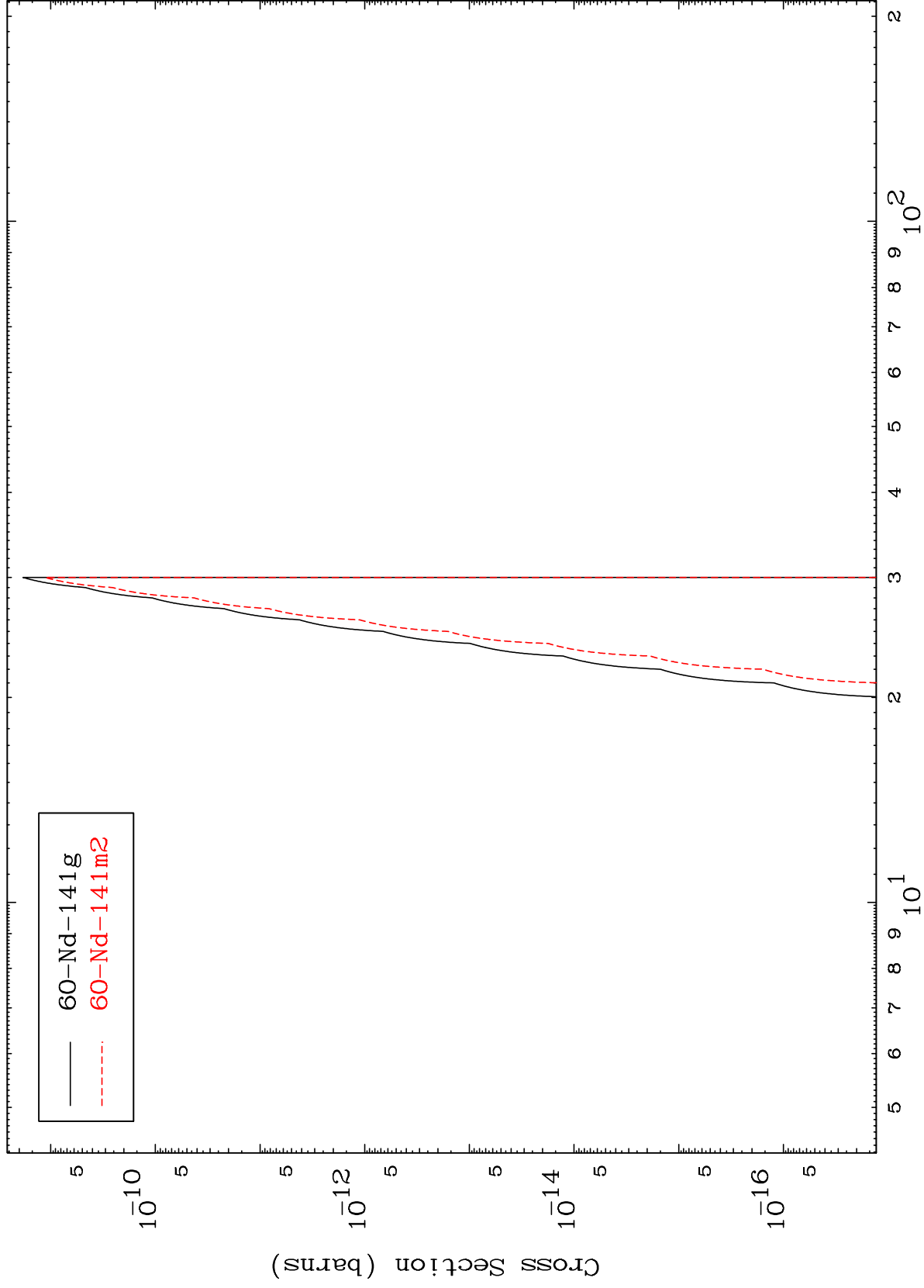


MAT 6419

^{60}Nd 2α

^{64}Gd -150

Radionuclide Production Cross Section



106

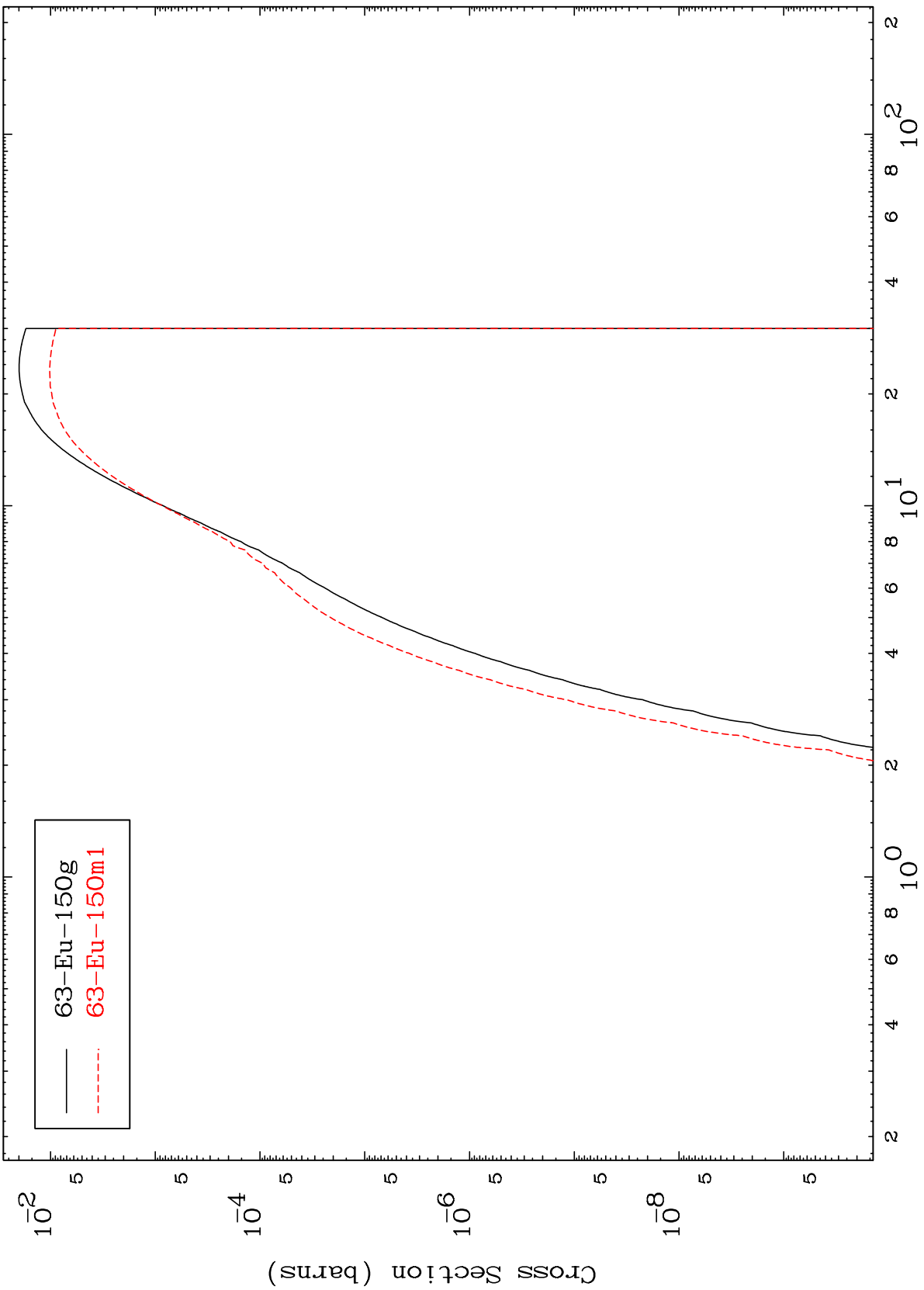
Incident Energy (MeV)

^{64}Gd -150

MAT 6419

64-Gd-150

(n,p)
Radionuclide Production Cross Section



— 63-Eu-150g
- - - 63-Eu-150m1

107

Incident Energy (MeV)

64-Gd-150