

Program EVALPLOT
(Version 2021-1)

by

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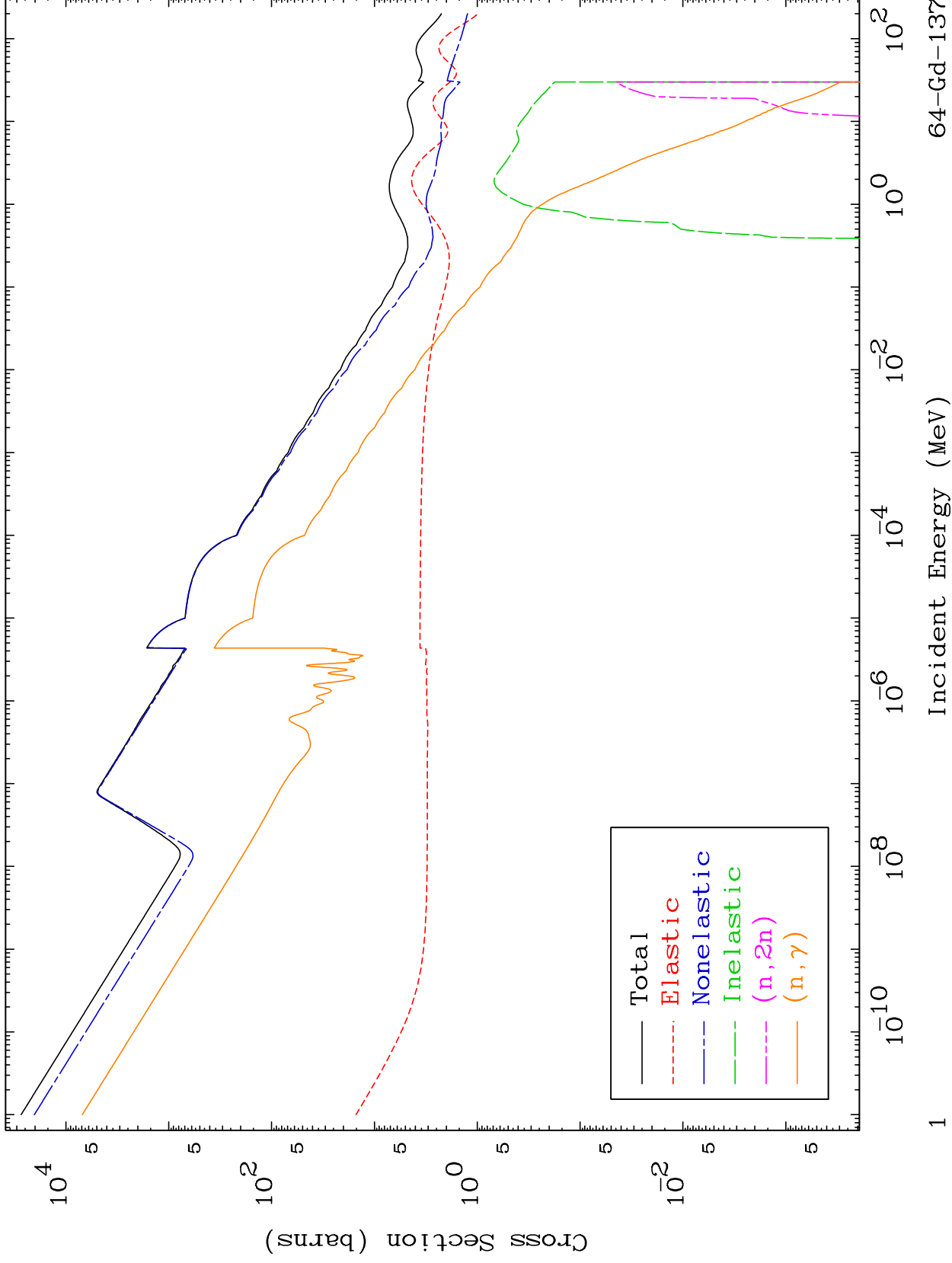
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Press Mouse Button to Start

MAT 6380

Neutron Major
293 Kelvin Cross Sections

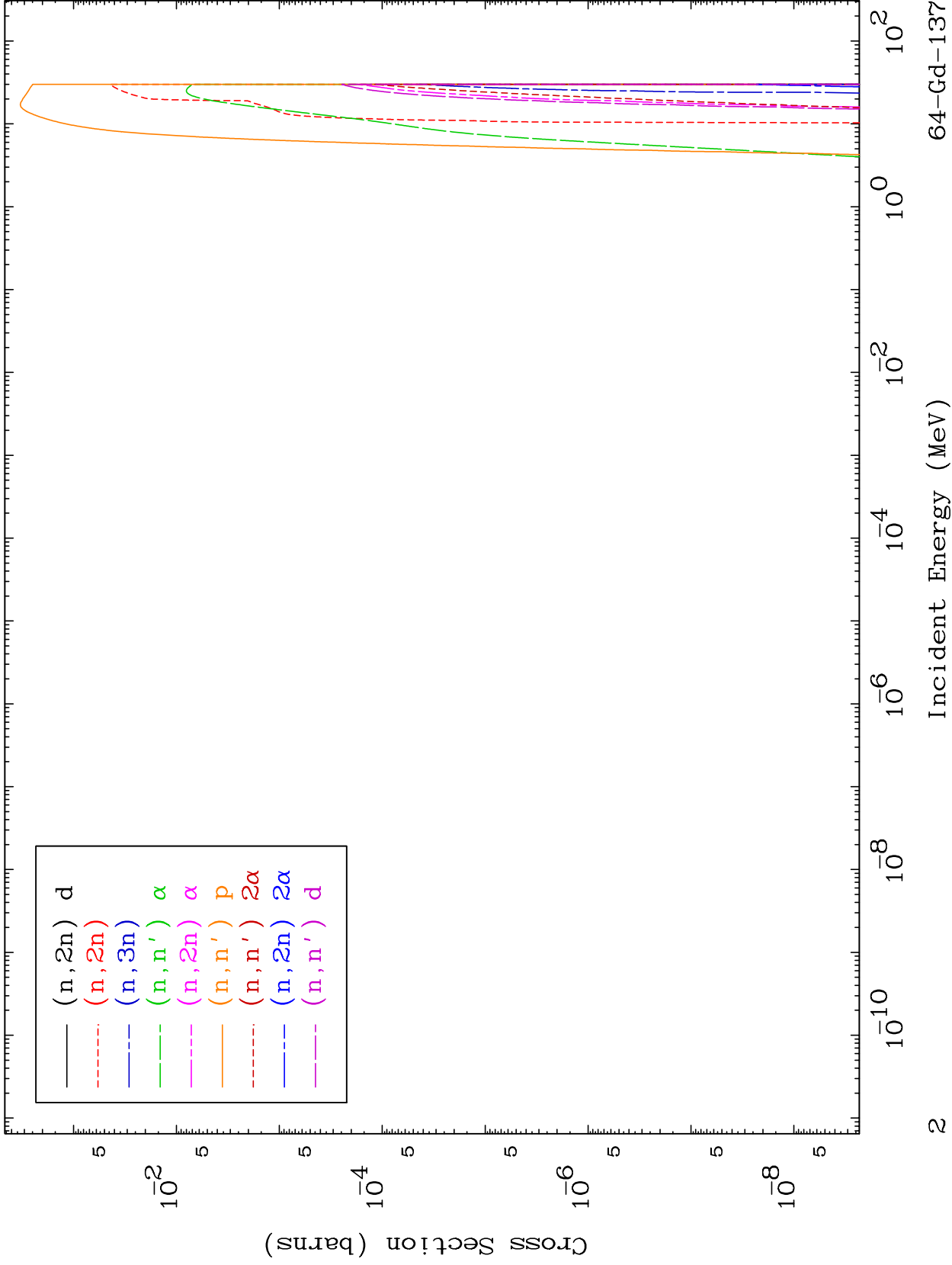
64-Gd-137



MAT 6380

Neutron Absorption
293 Kelvin Cross Sections

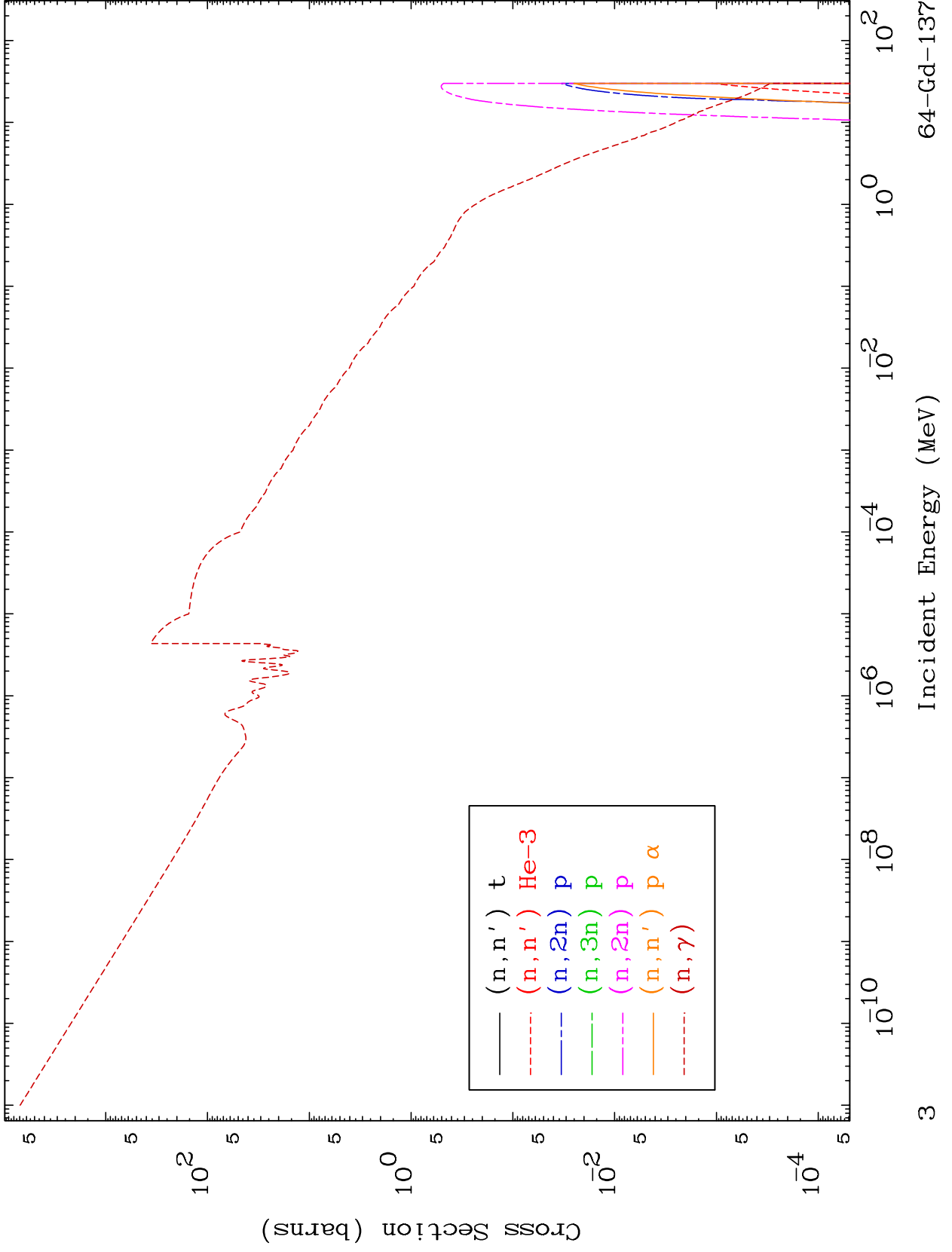
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MAT 6380

Neutron Absorption
293 Kelvin Cross Sections

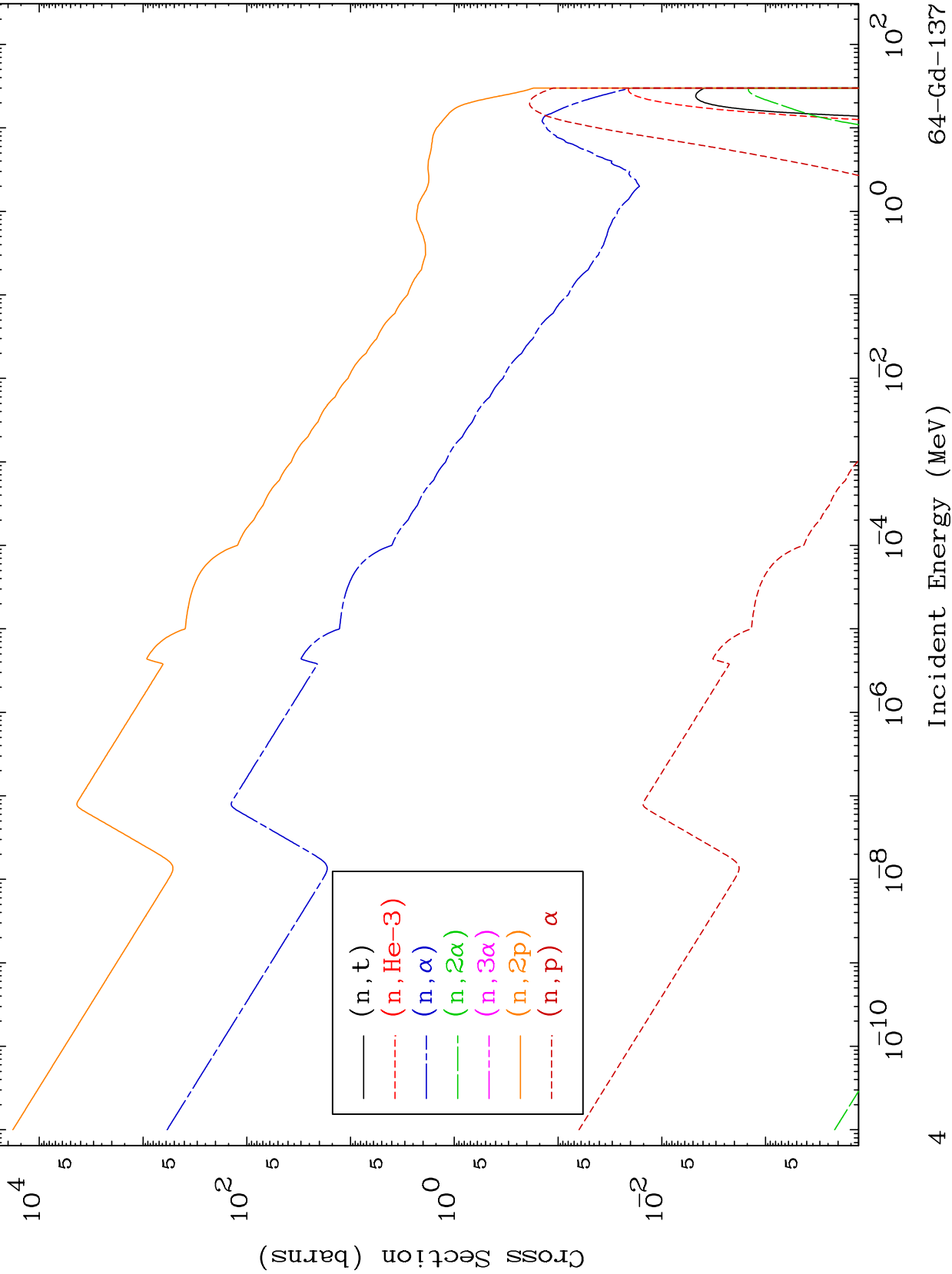
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MAT 6380

Neutron Absorption
293 Kelvin Cross Sections

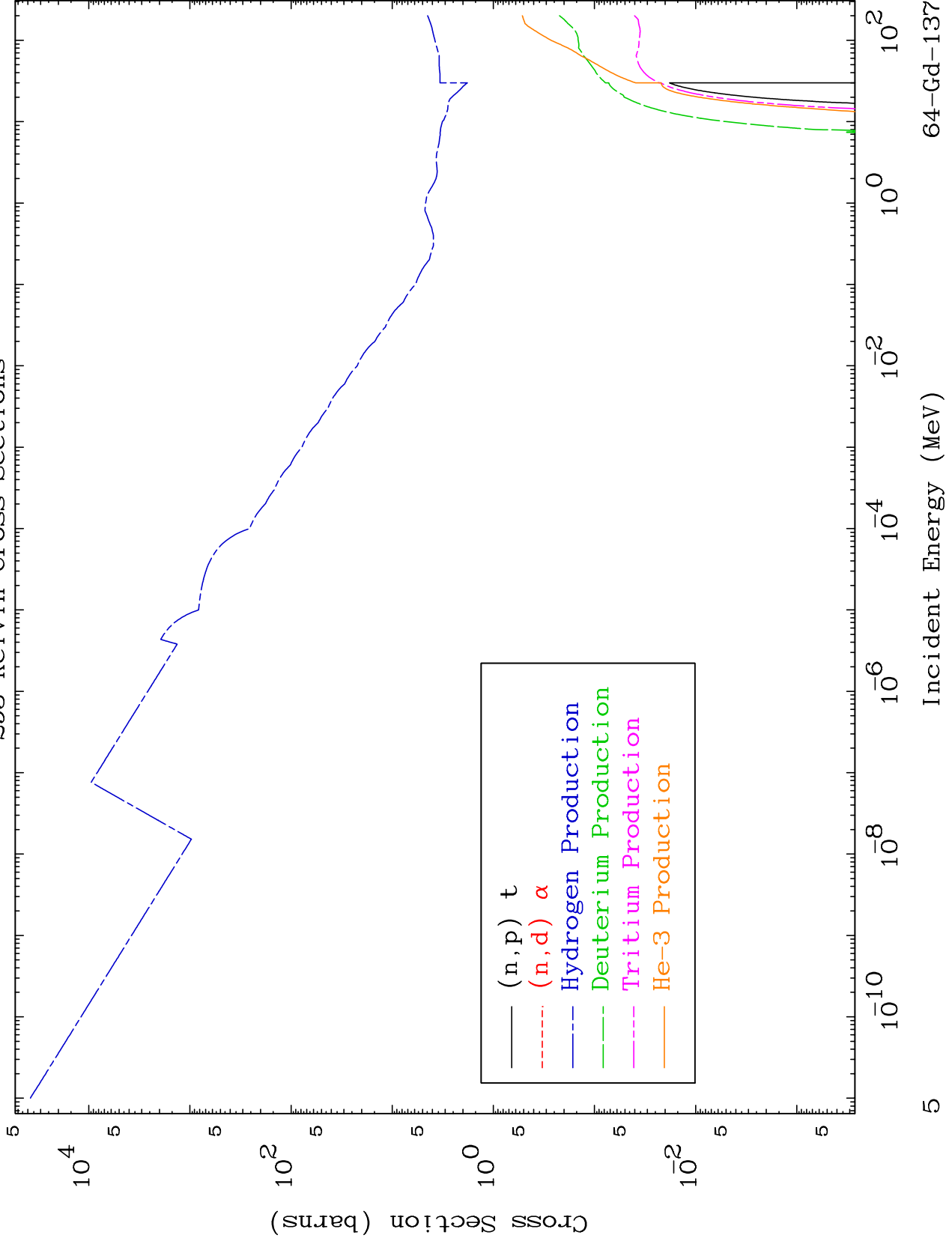
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MAT 6380

Neutron Absorption
293 Kelvin Cross Sections

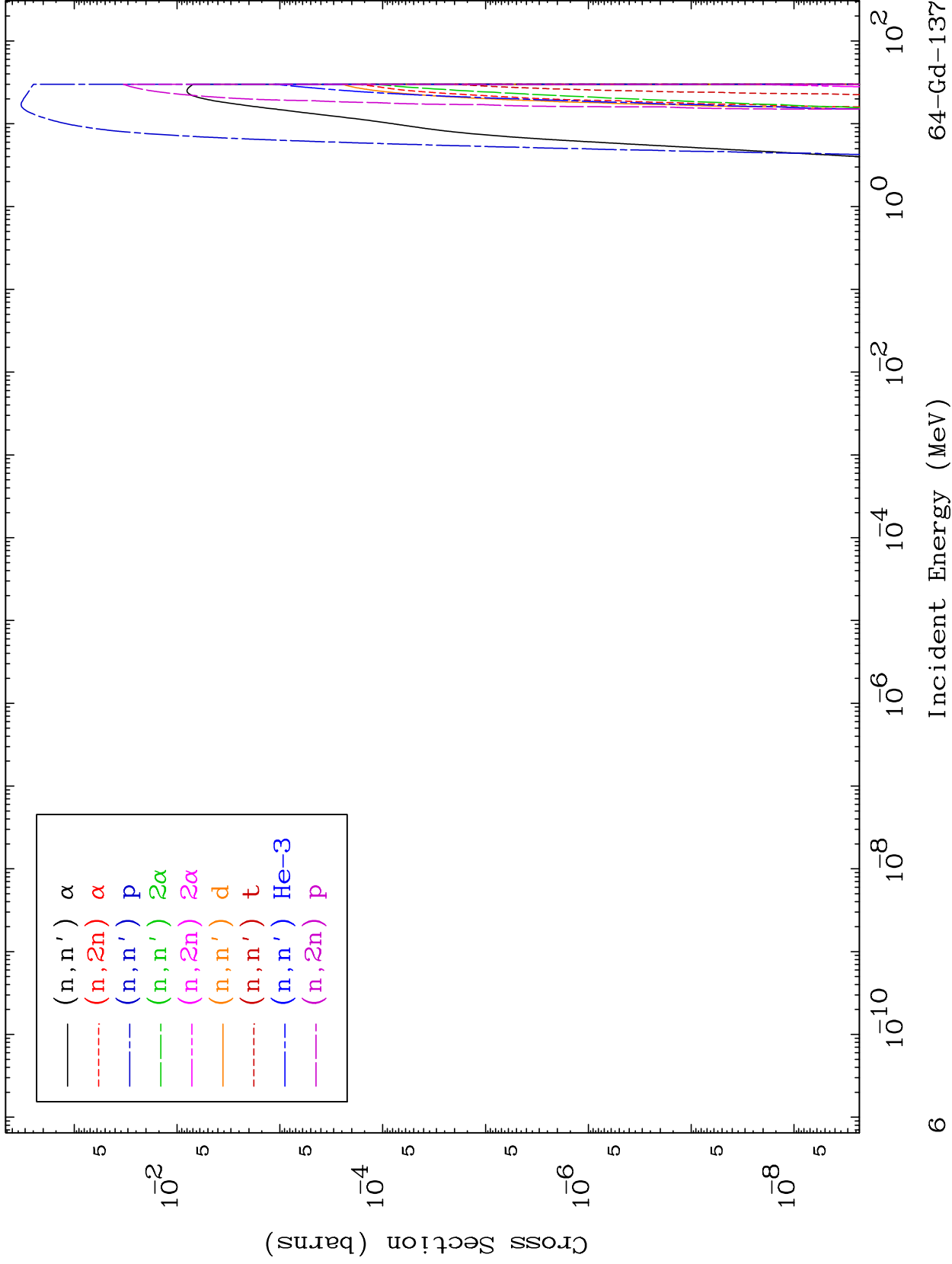
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MAT 6380

Charged Particle
293 Kelvin Cross Sections

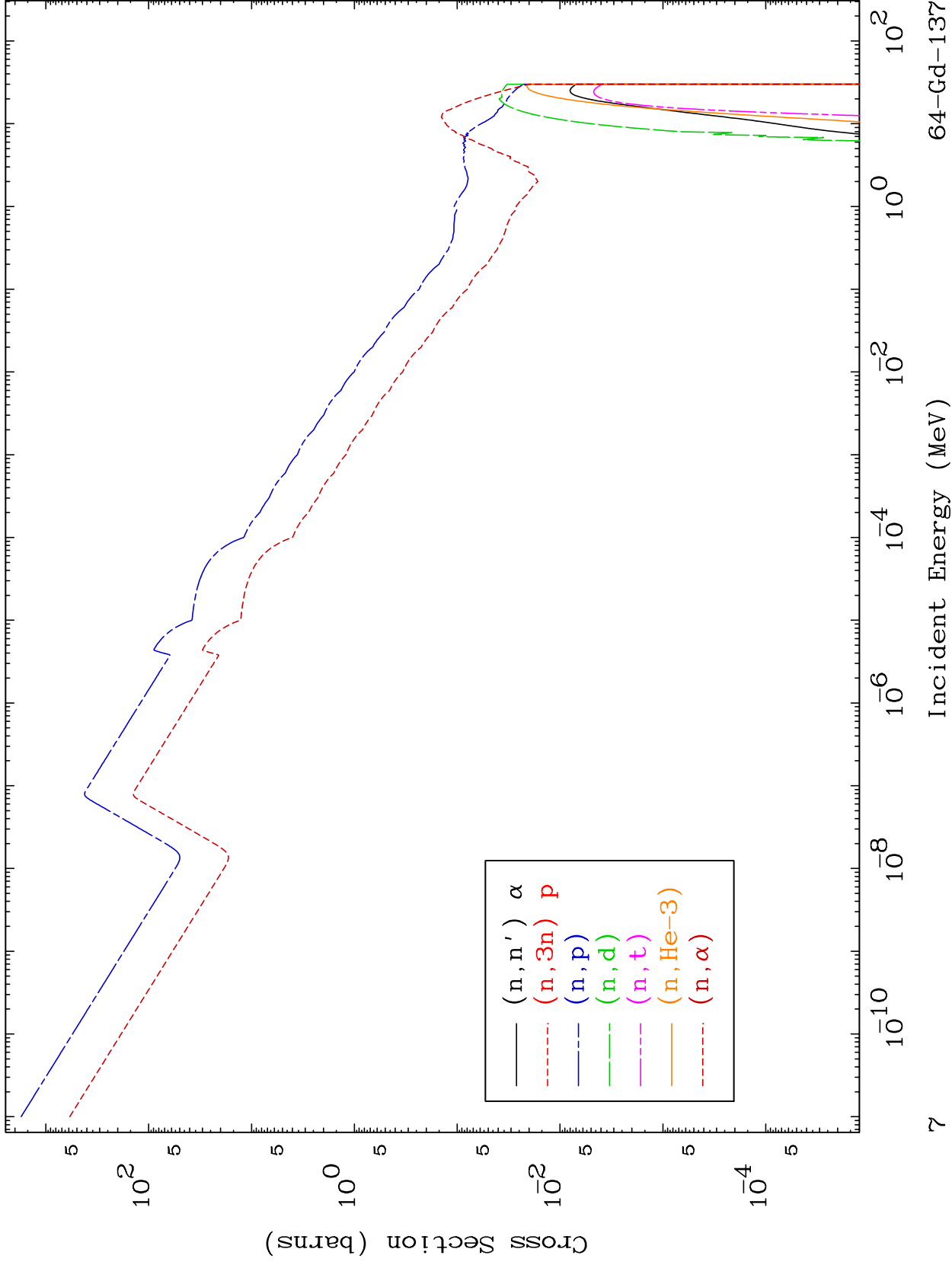
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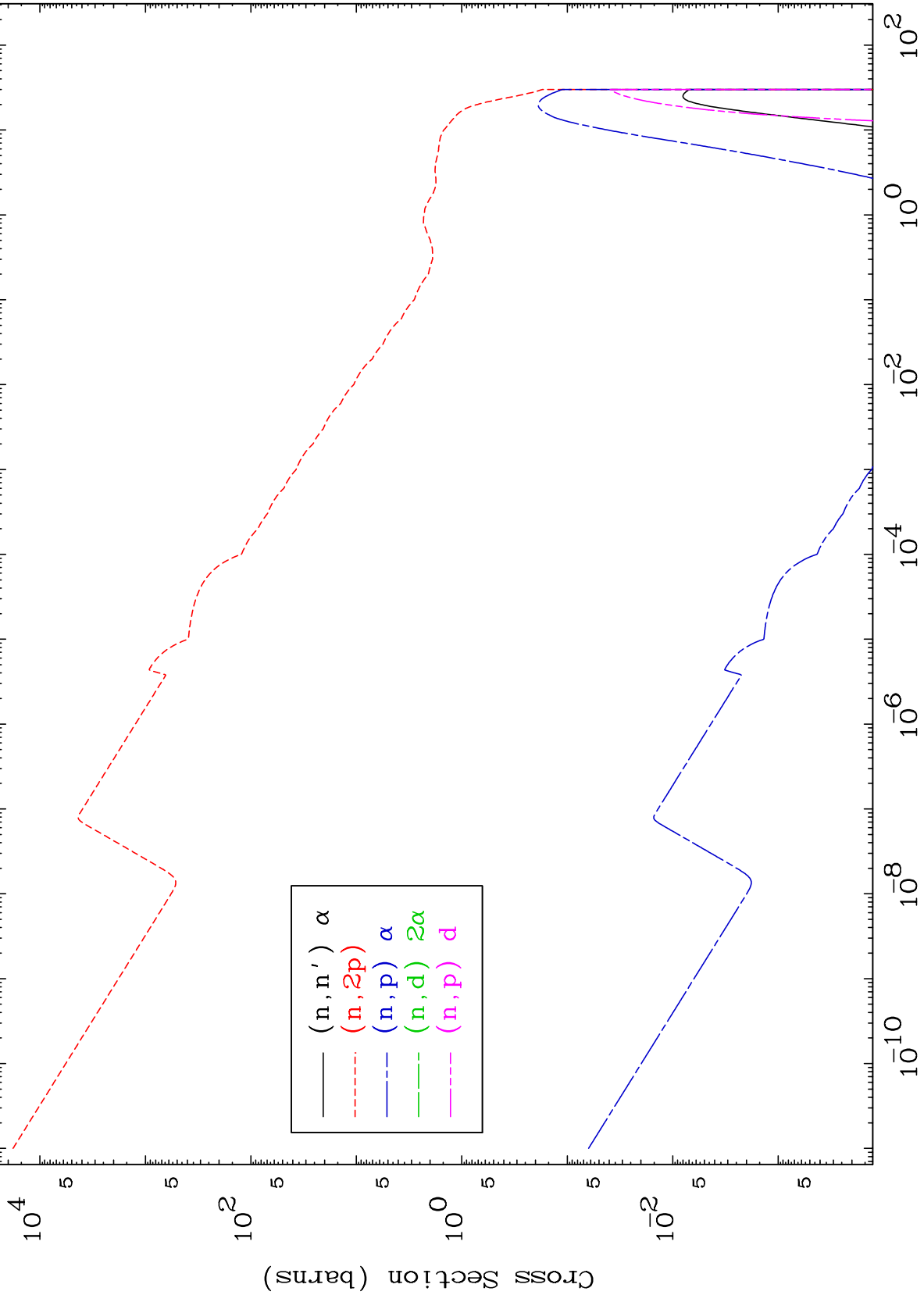


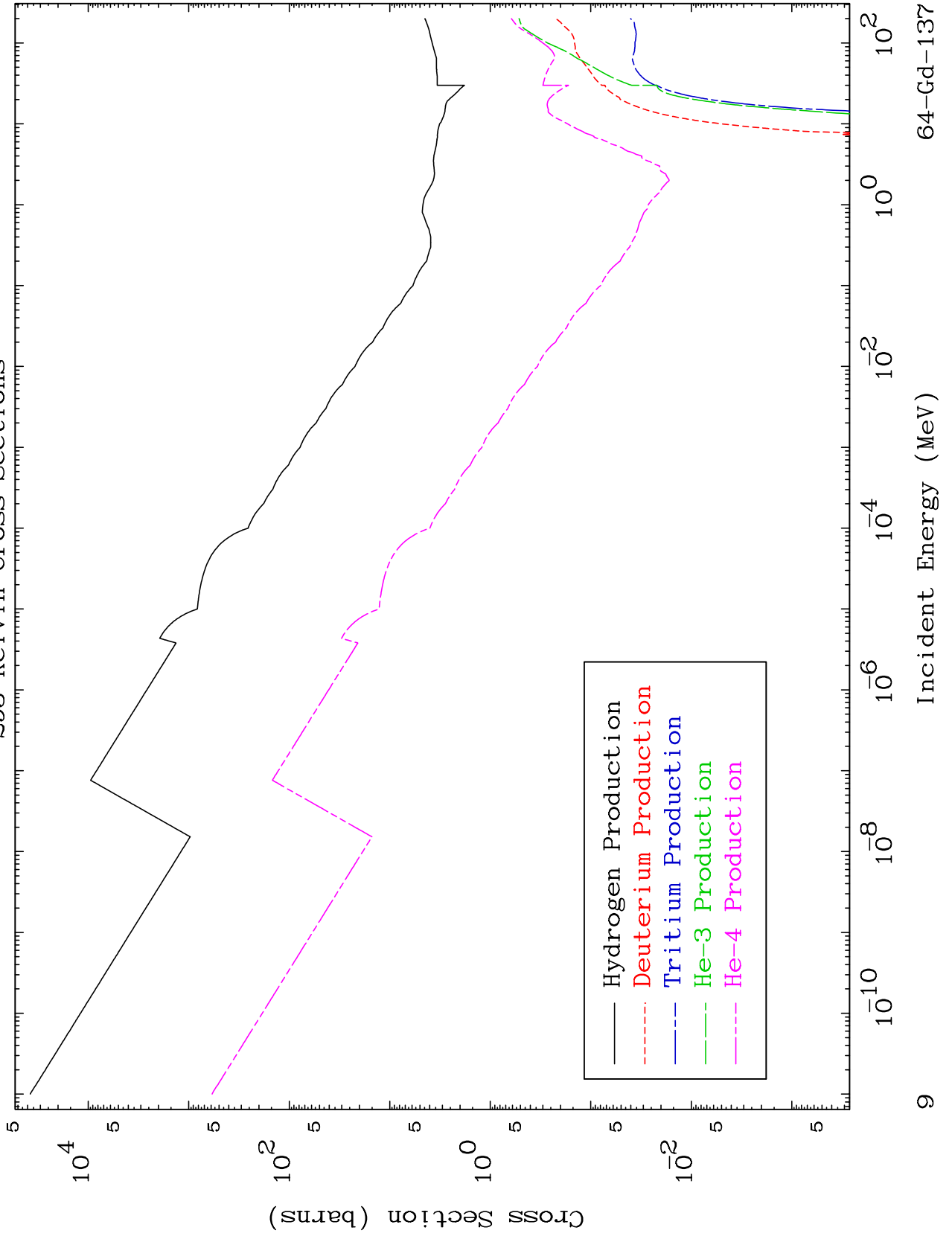
MAT 6380

Charged Particle
293 Kelvin Cross Sections

64-Gd-137





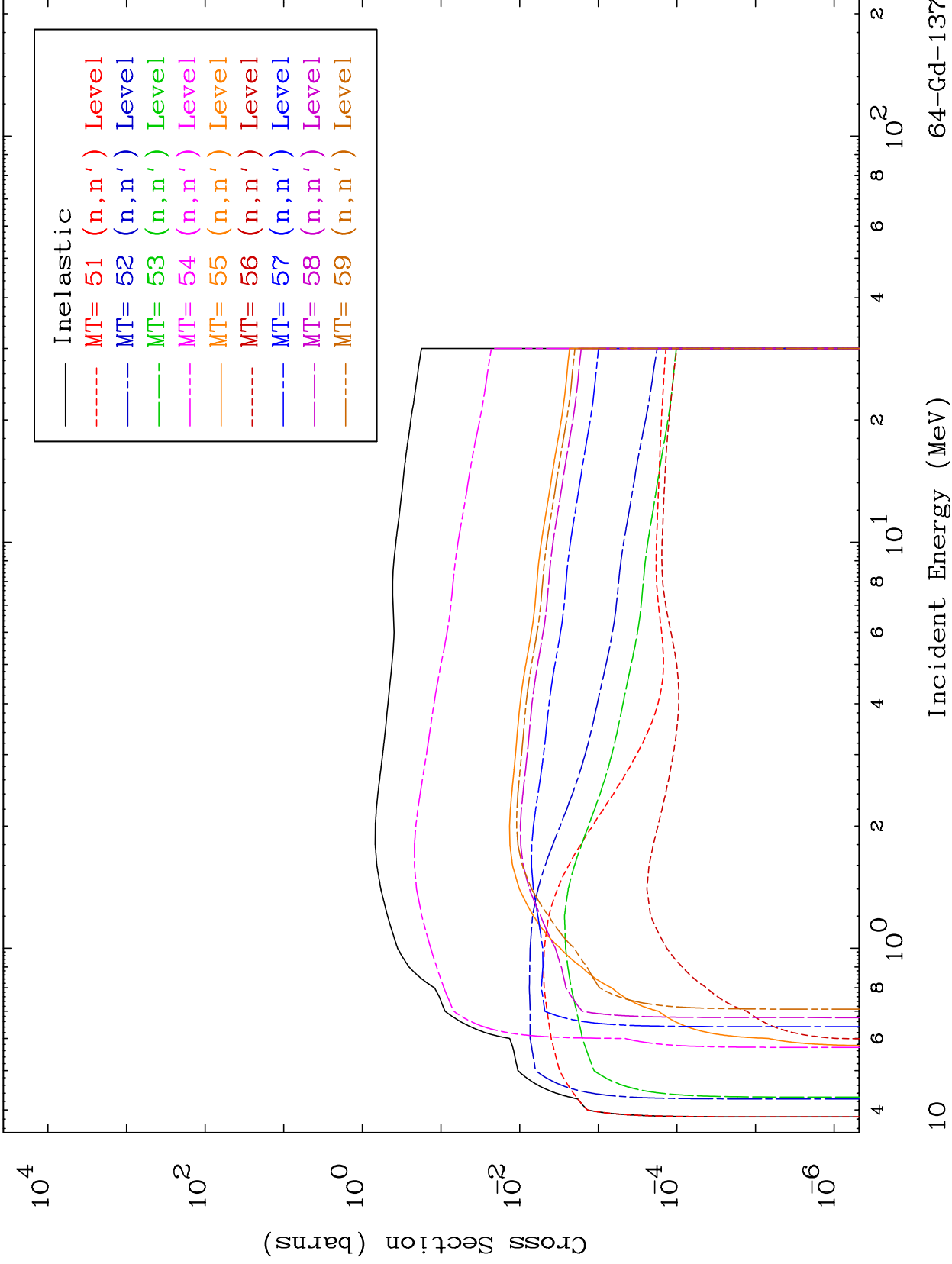


MAT 6380

(n,n') Levels

64-Gd-137

293 Kelvin Cross Sections

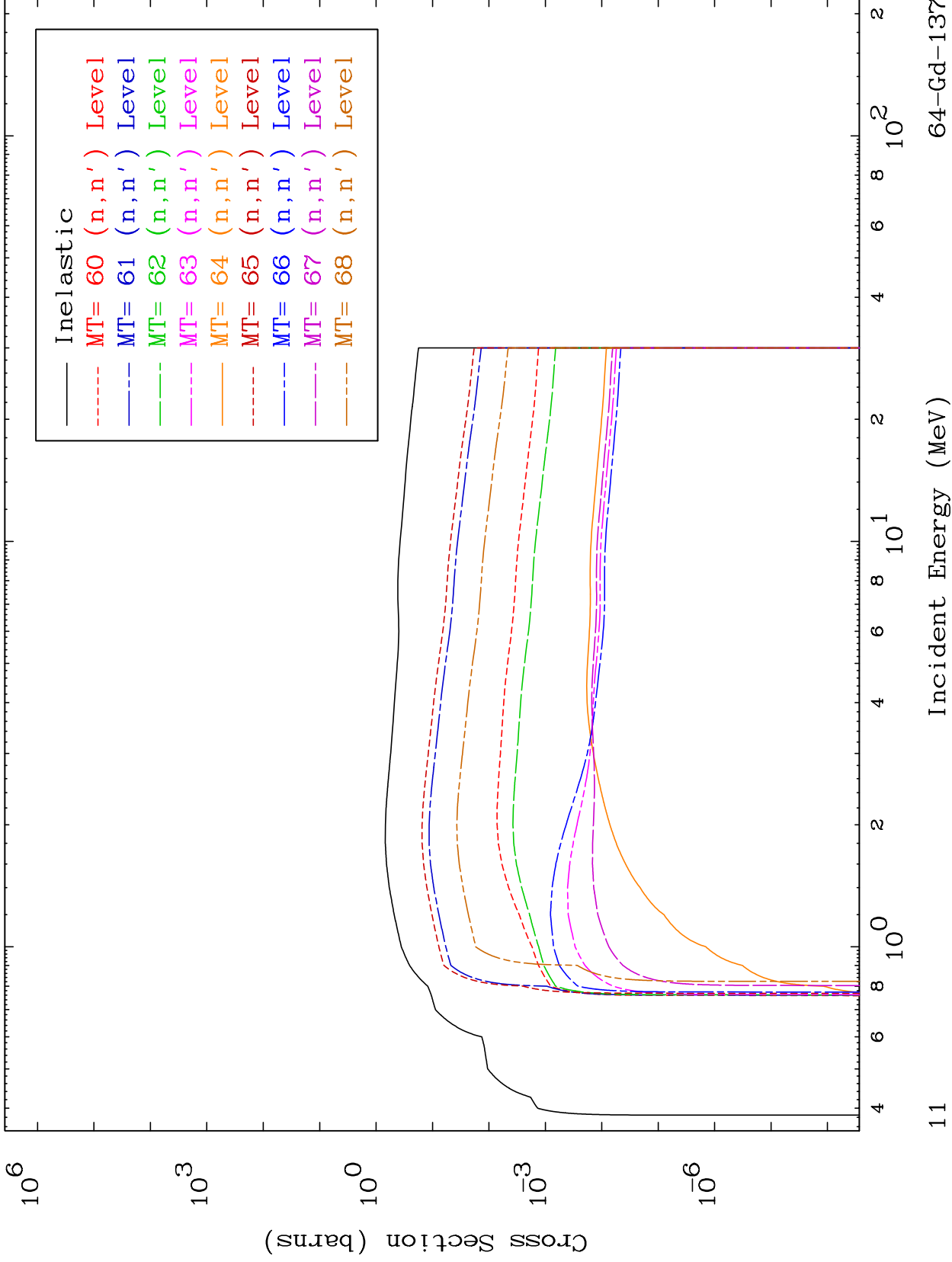


MAT 6380

(n,n') Levels

64-Gd-137

293 Kelvin Cross Sections



11

Incident Energy (MeV)

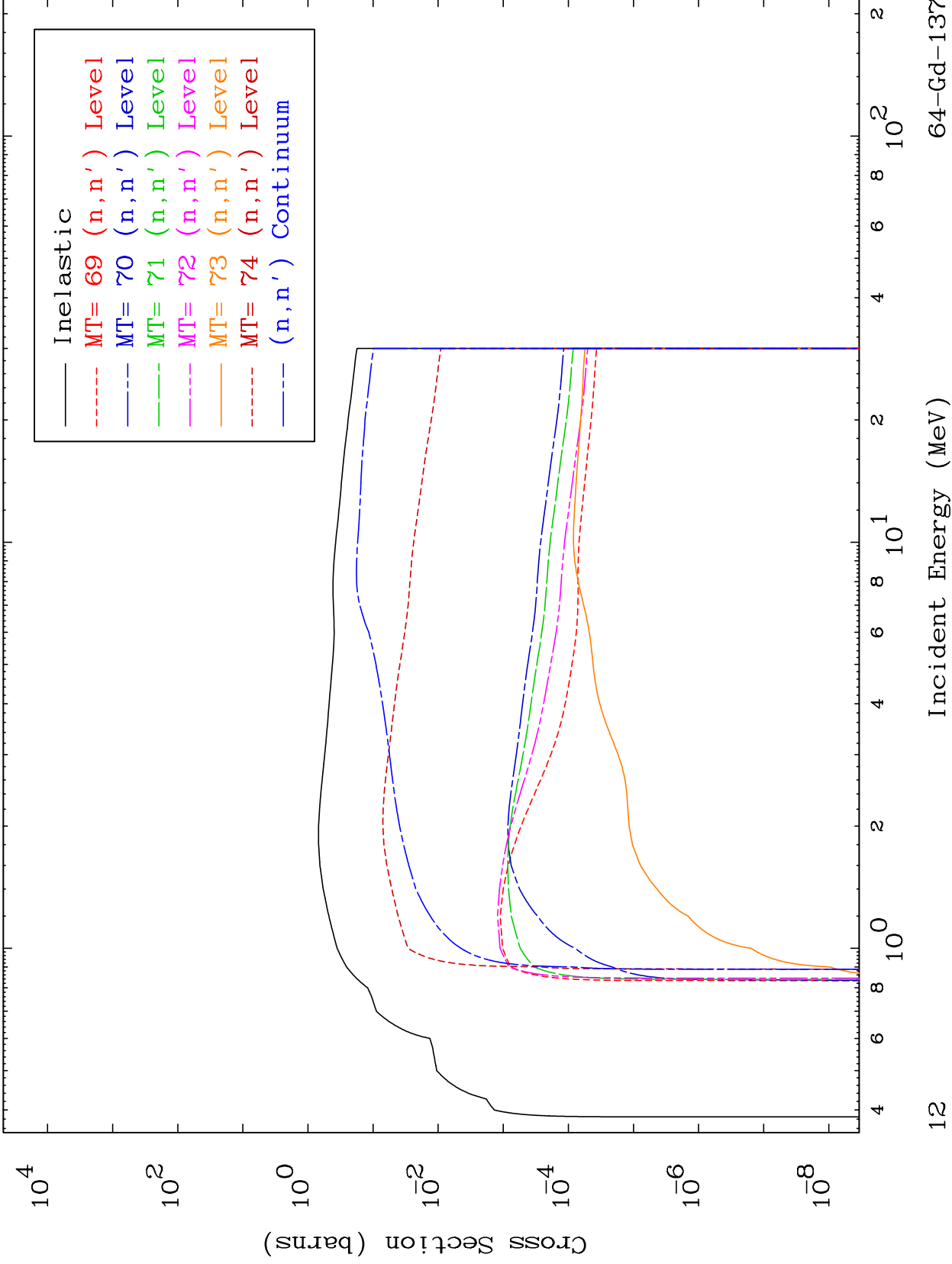
64-Gd-137

MAT 6380

(n,n') Levels

64-Gd-137

293 Kelvin Cross Sections



12

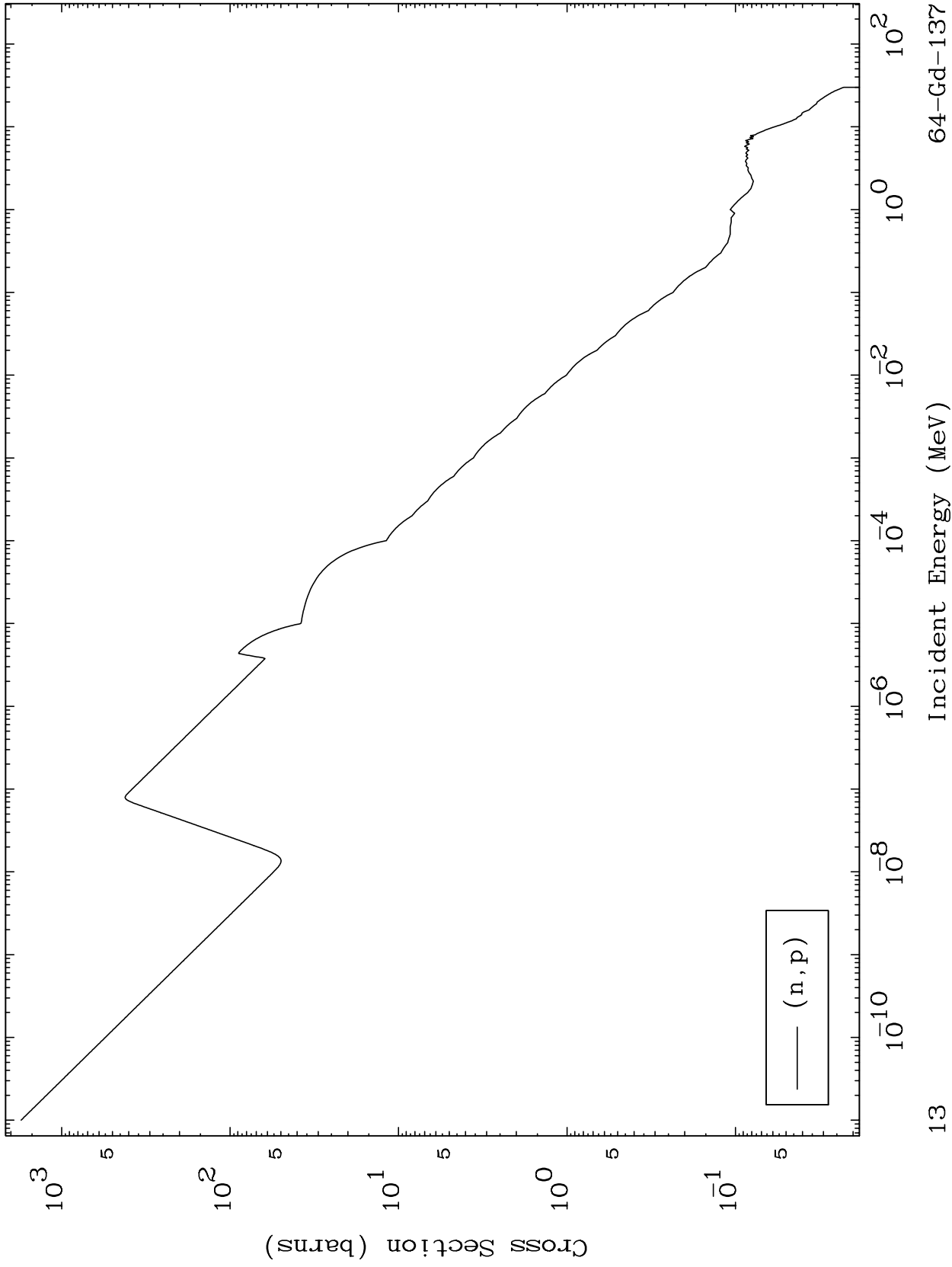
Incident Energy (MeV)

64-Gd-137

MAT 6380

(n,p) Levels
293 Kelvin Cross Sections

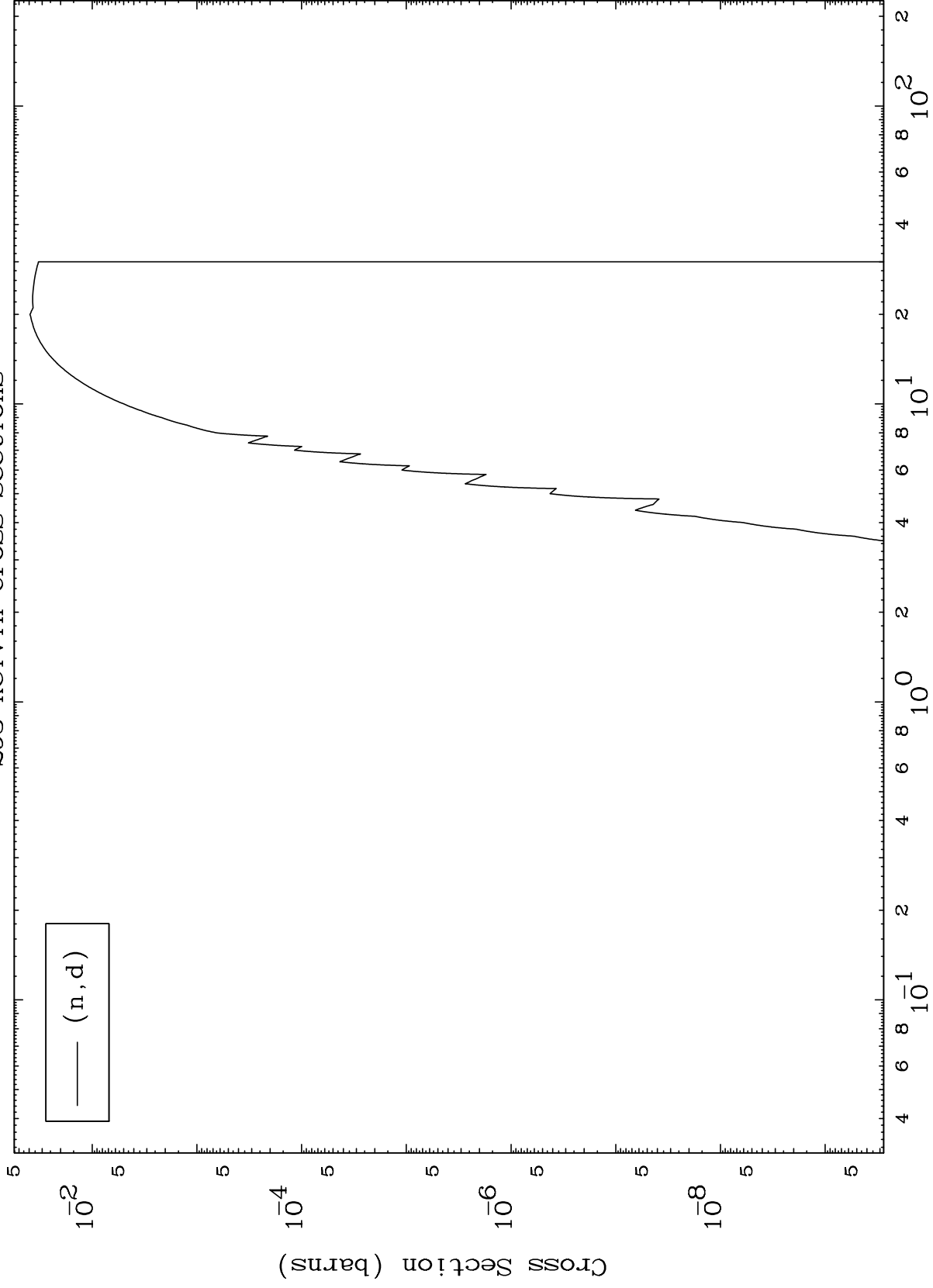
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MAT 6380

(n,d) Levels
293 Kelvin Cross Sections

64-Gd-137



14

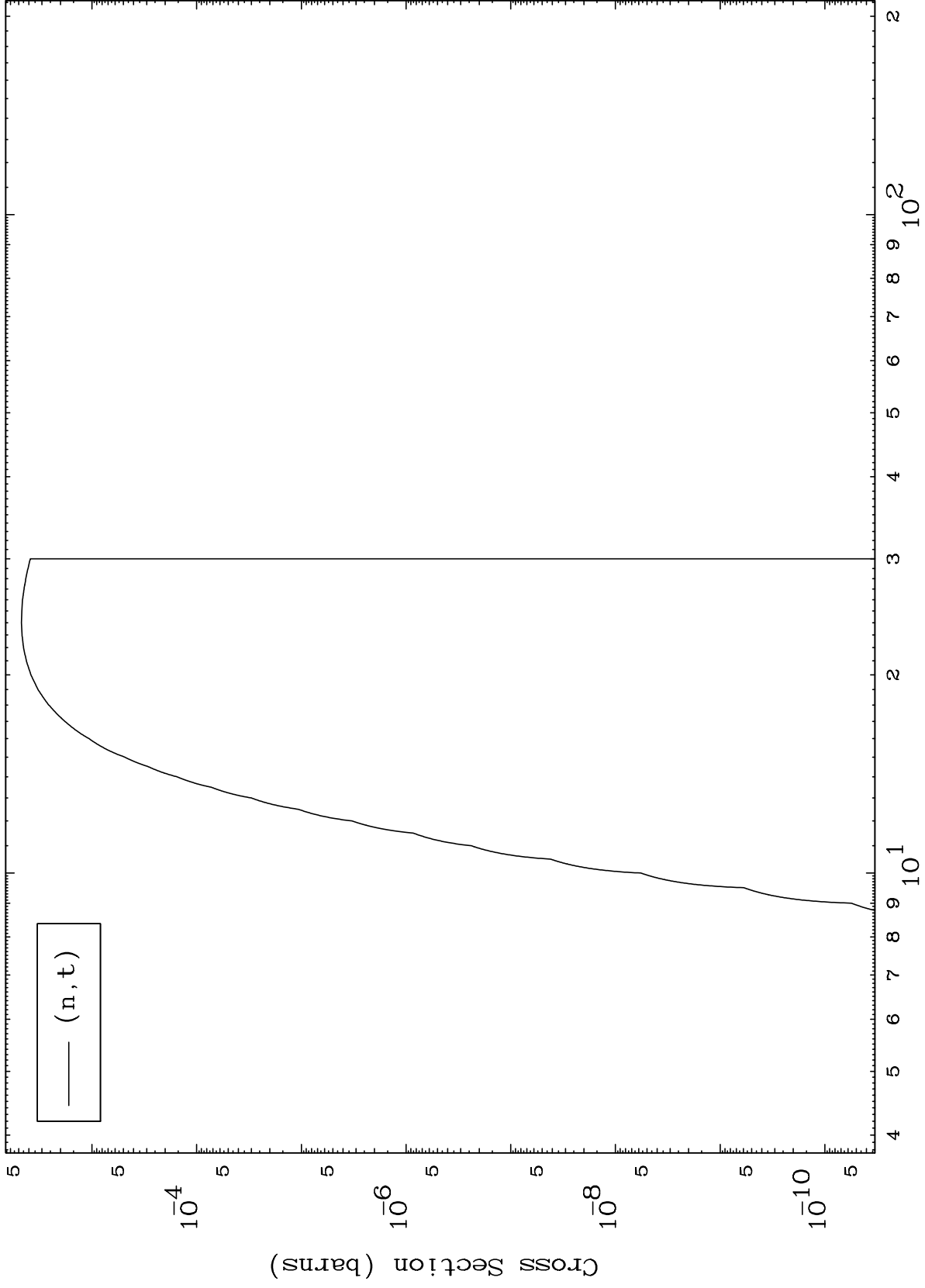
Incident Energy (MeV)

64-Gd-137

MAT 6380

(n,t) Levels
293 Kelvin Cross Sections

64-Gd-137



15

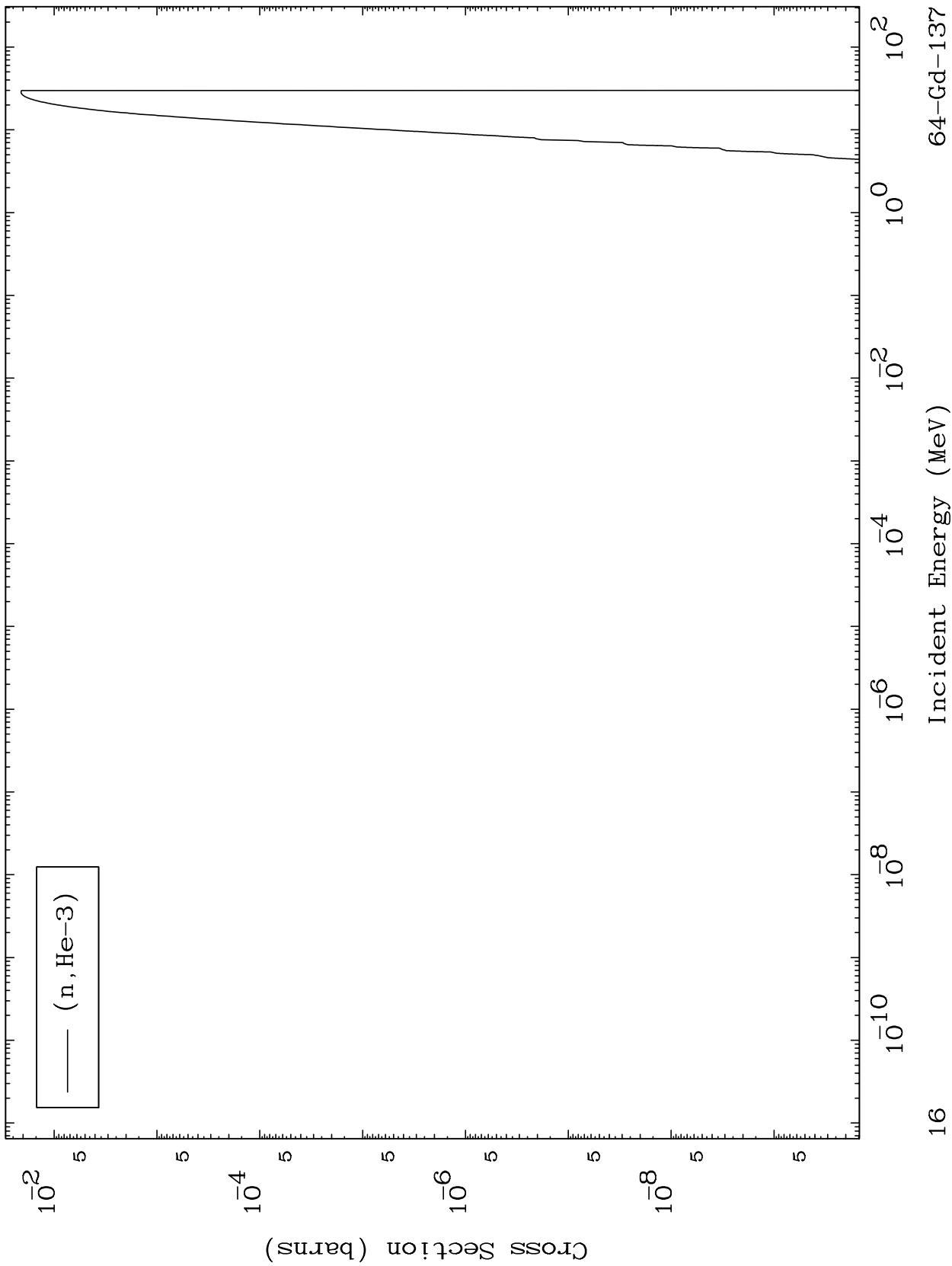
Incident Energy (MeV)

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MAT 6380

(n,He3) Levels
293 Kelvin Cross Sections

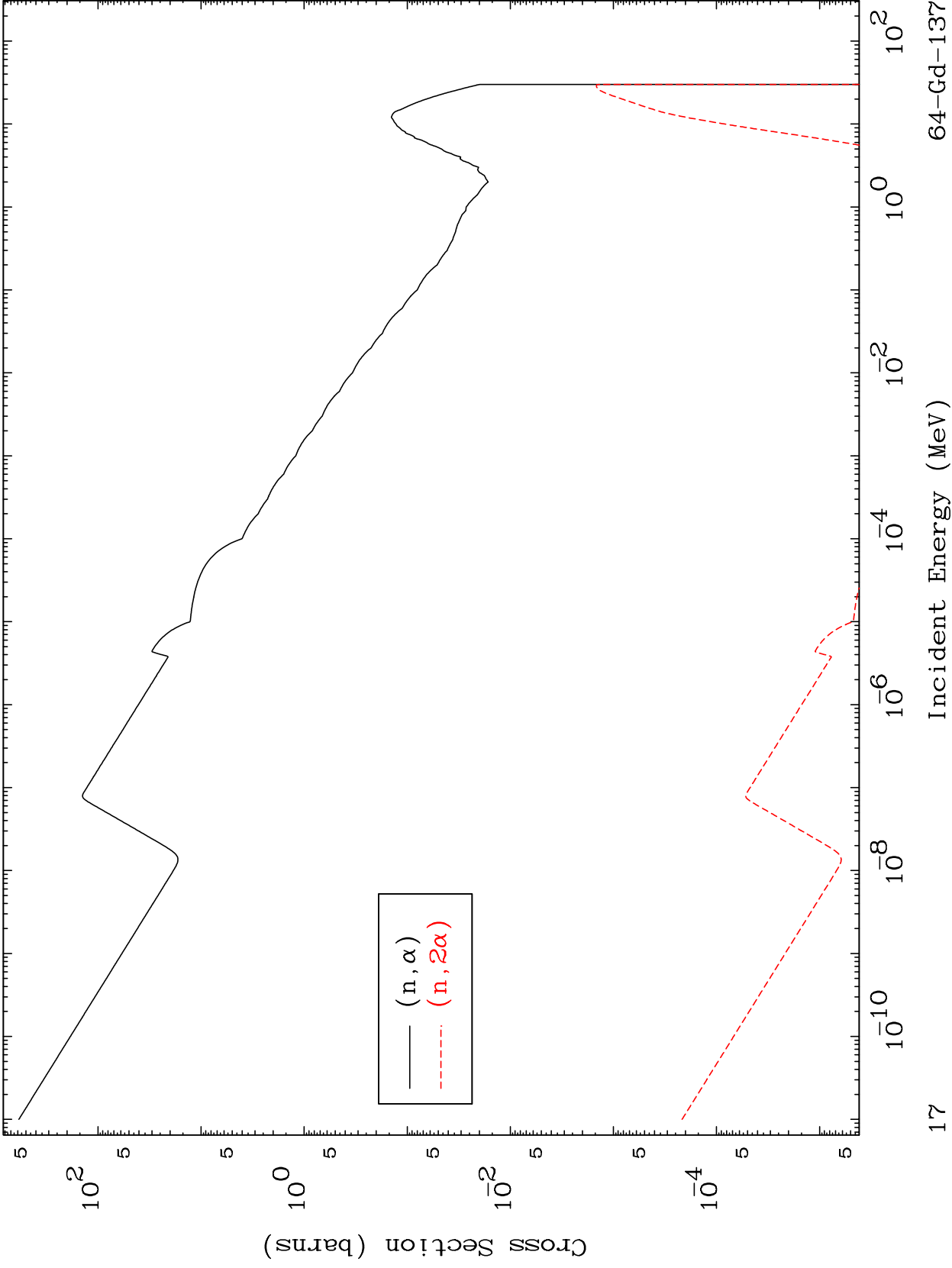
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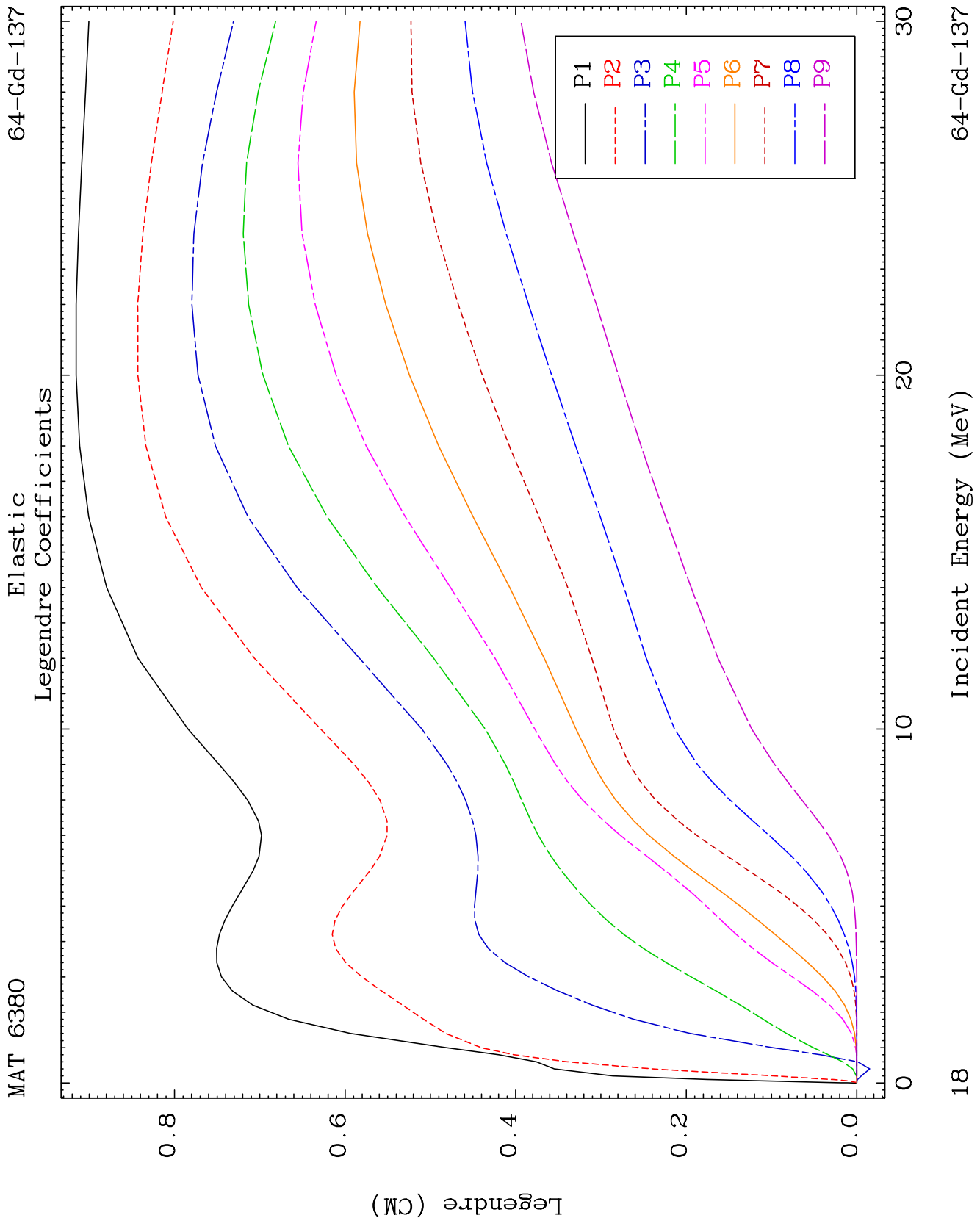


MAT 6380

(n,α) Levels
293 Kelvin Cross Sections

64-Gd-137

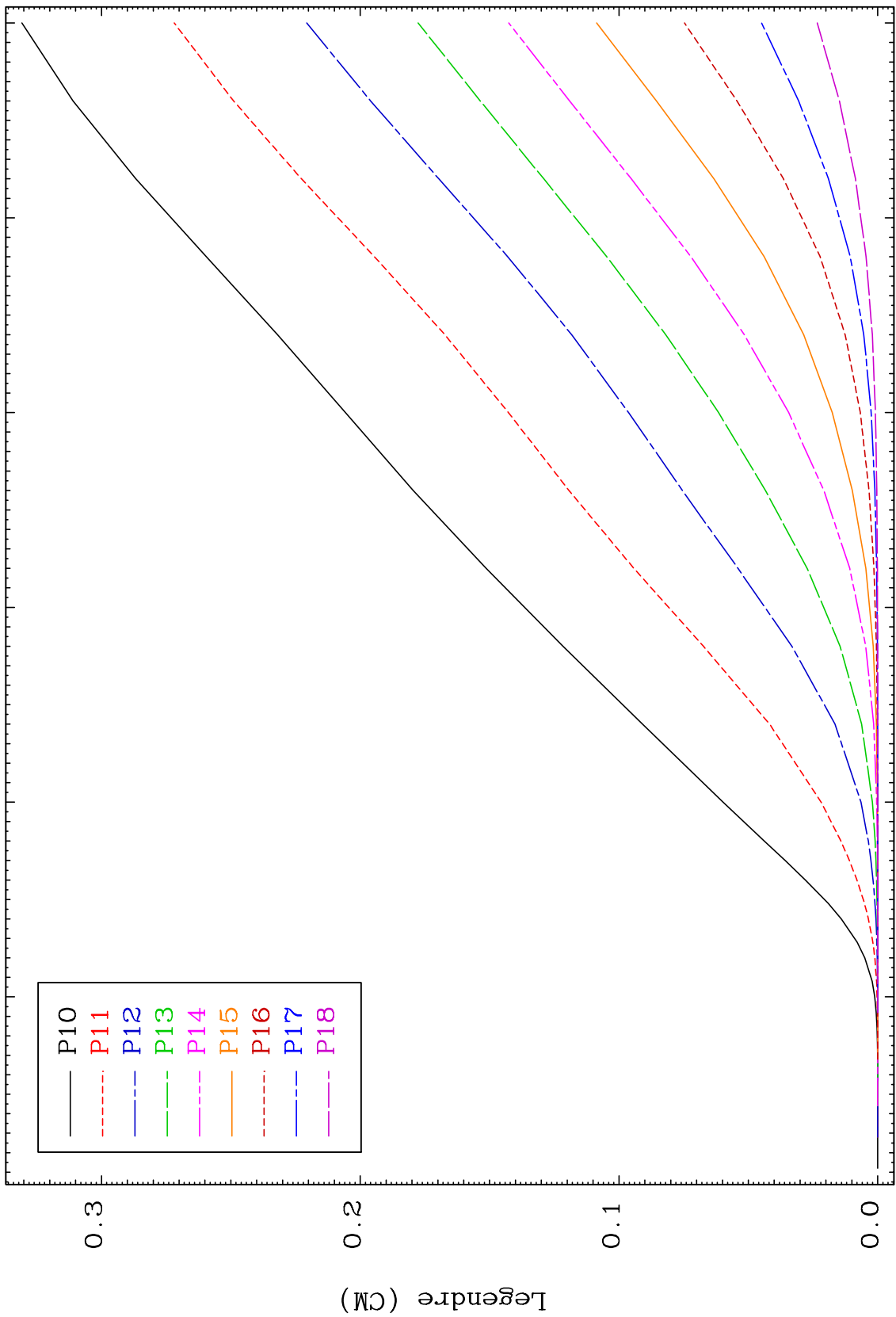




MAT 6380

Elastic Legendre Coefficients

64-Gd-137



19

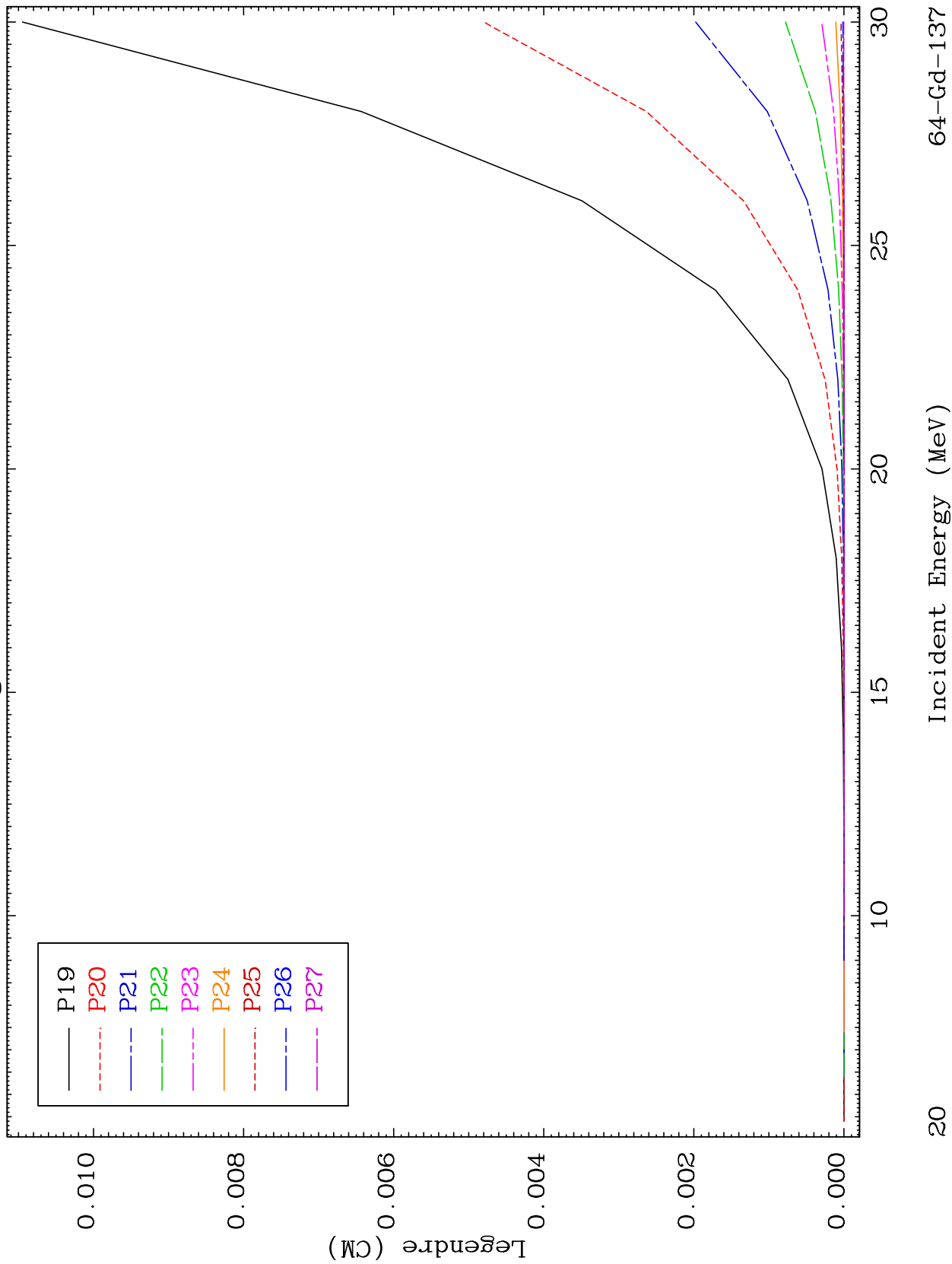
Incident Energy (MeV)

64-Gd-137

MAT 6380

Elastic Legendre Coefficients

64-Gd-137



20

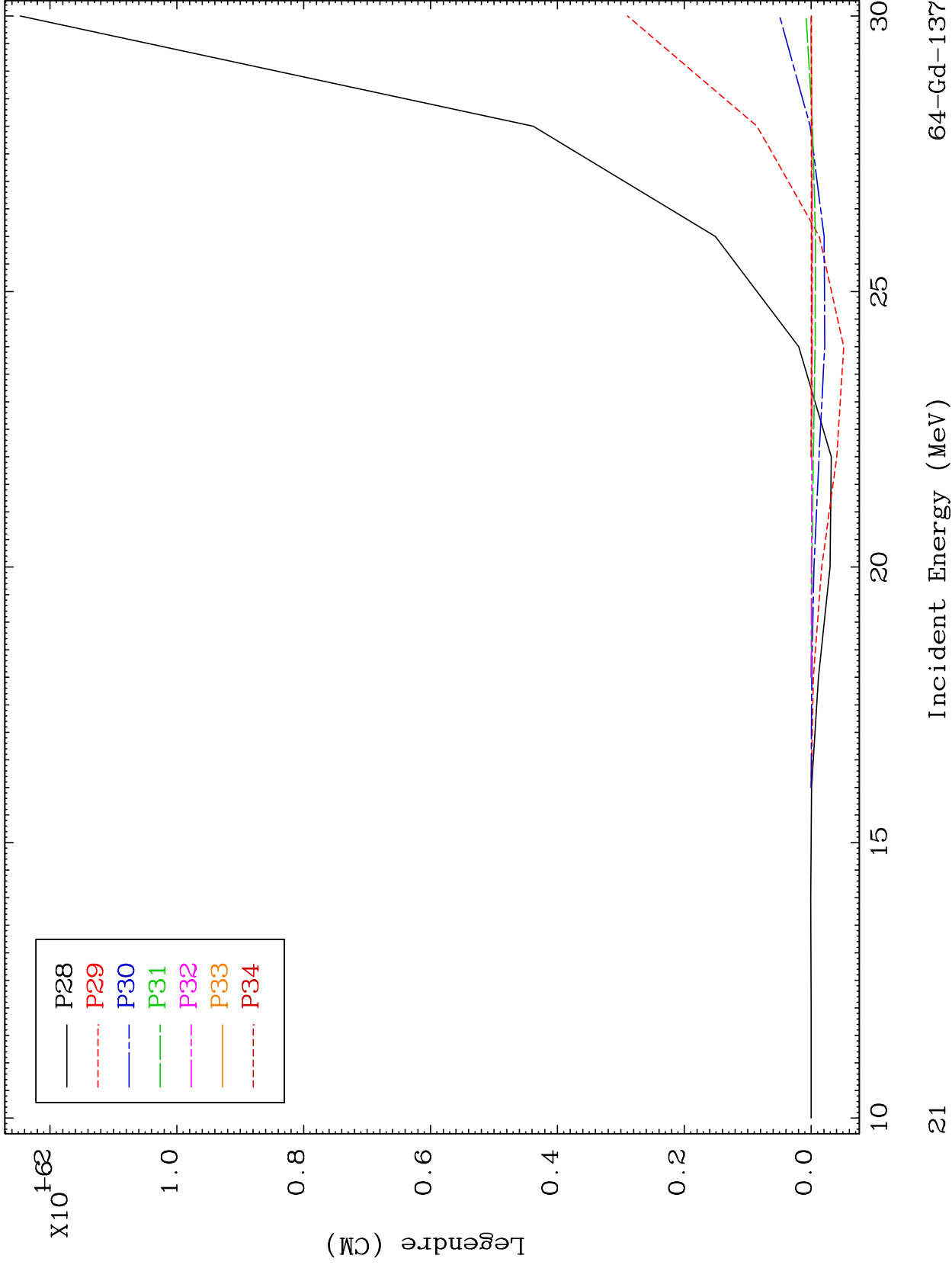
Incident Energy (MeV)

64-Gd-137

MAT 6380

Elastic
Legendre Coefficients

64-Gd-137



21

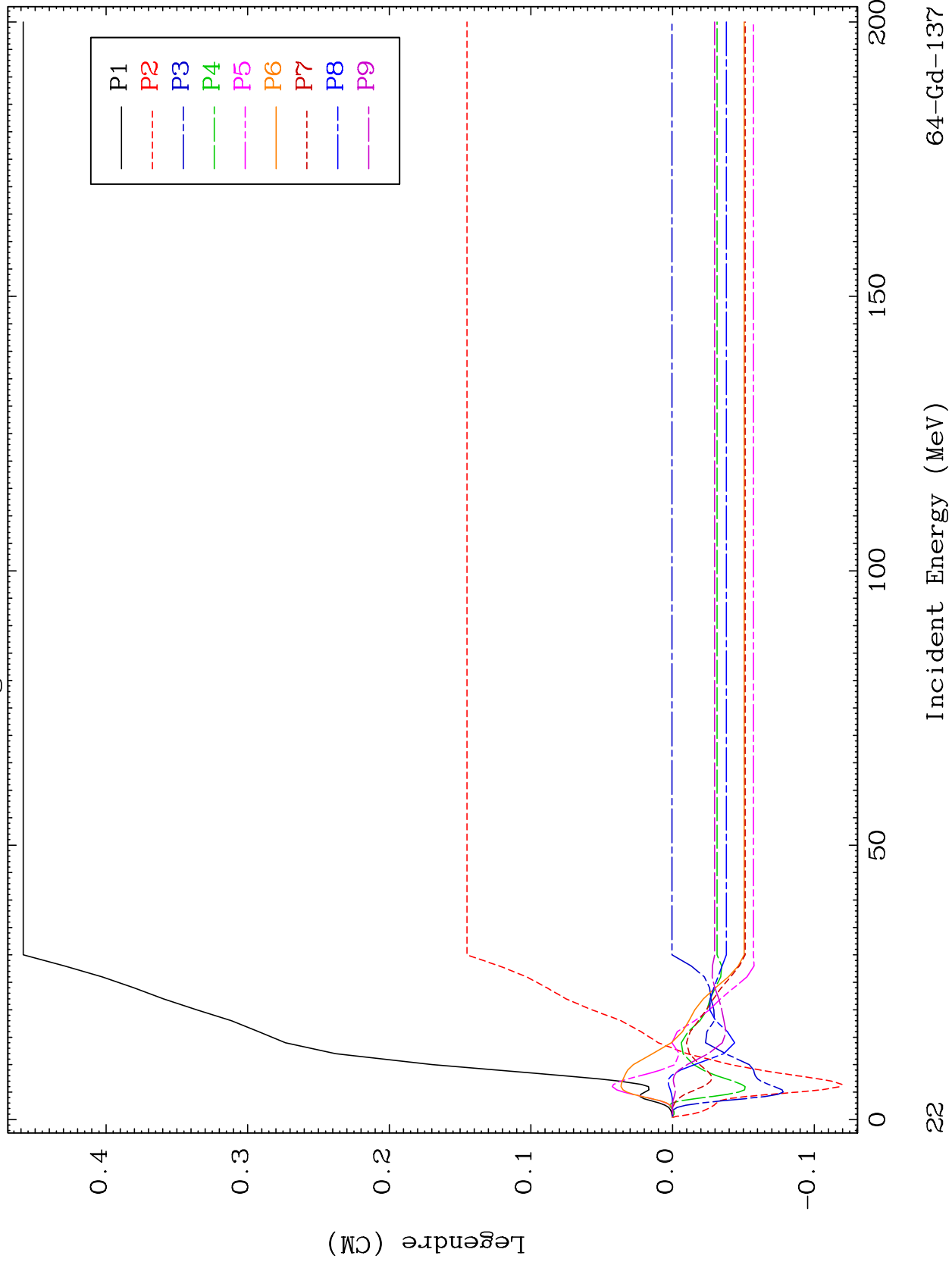
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



64-Gd-137

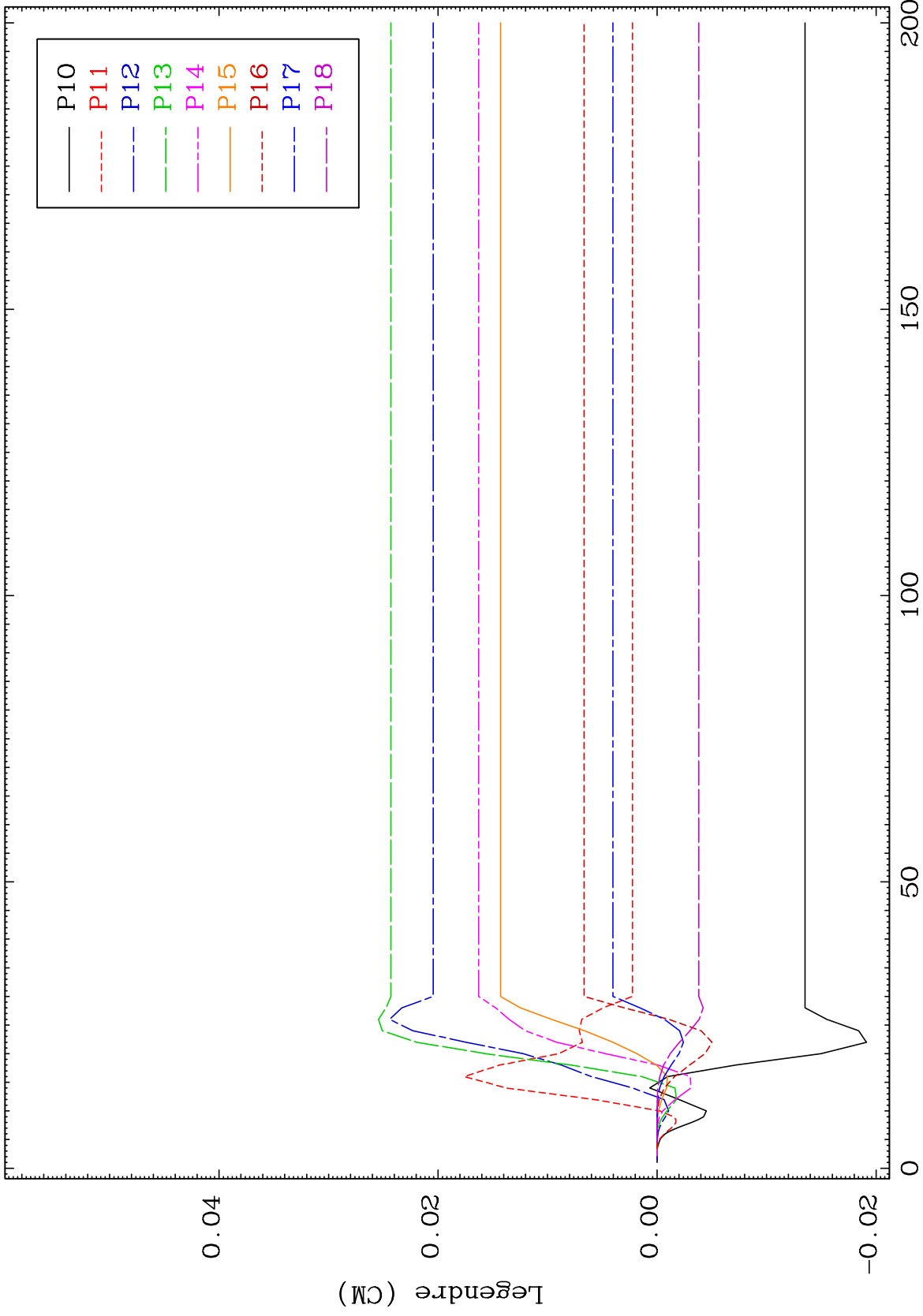
Incident Energy (MeV)

22

MAT 6380

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

64-Gd-137



23

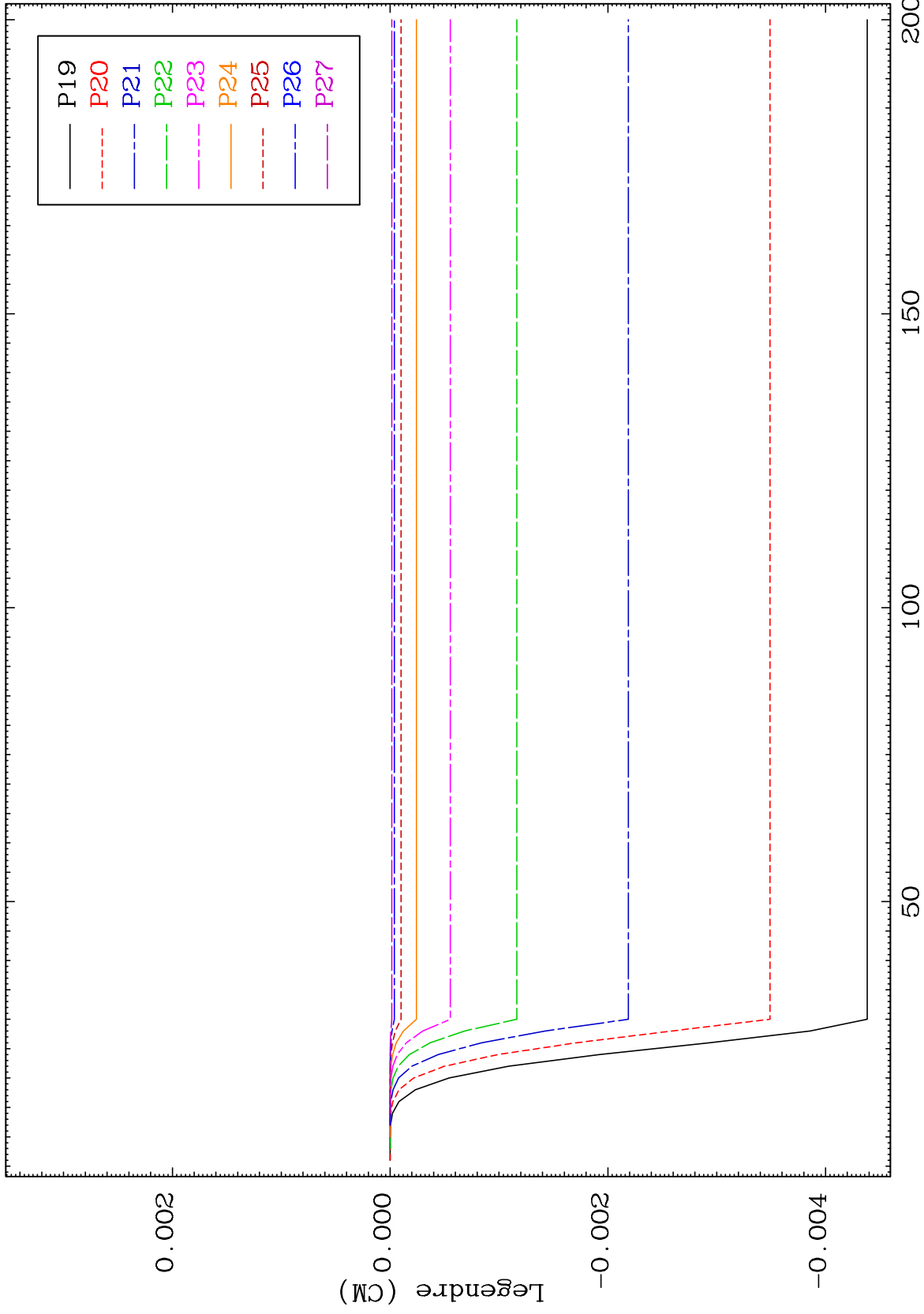
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

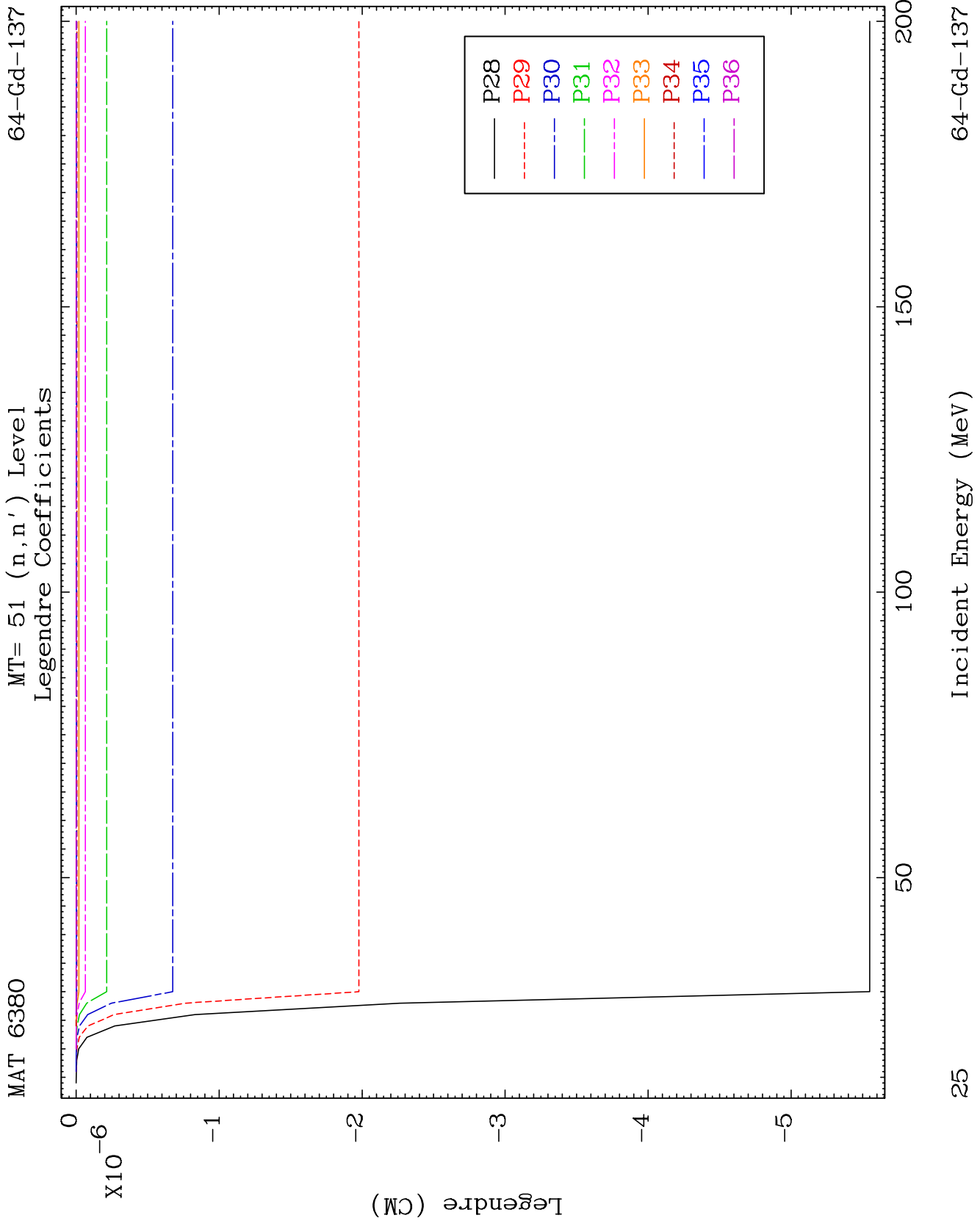
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24

Incident Energy (MeV)

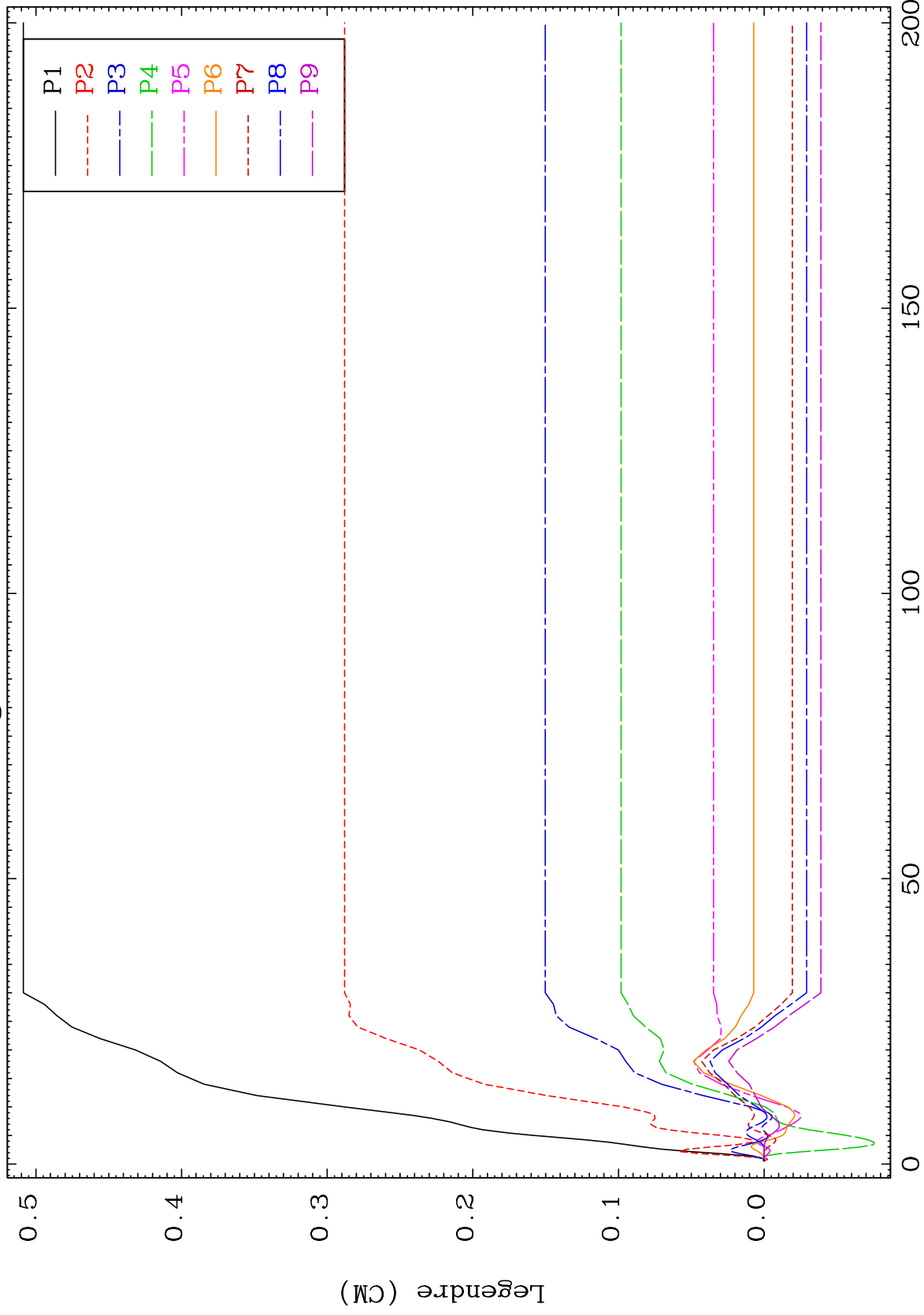
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MAT 6380

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

64-Gd-137



26

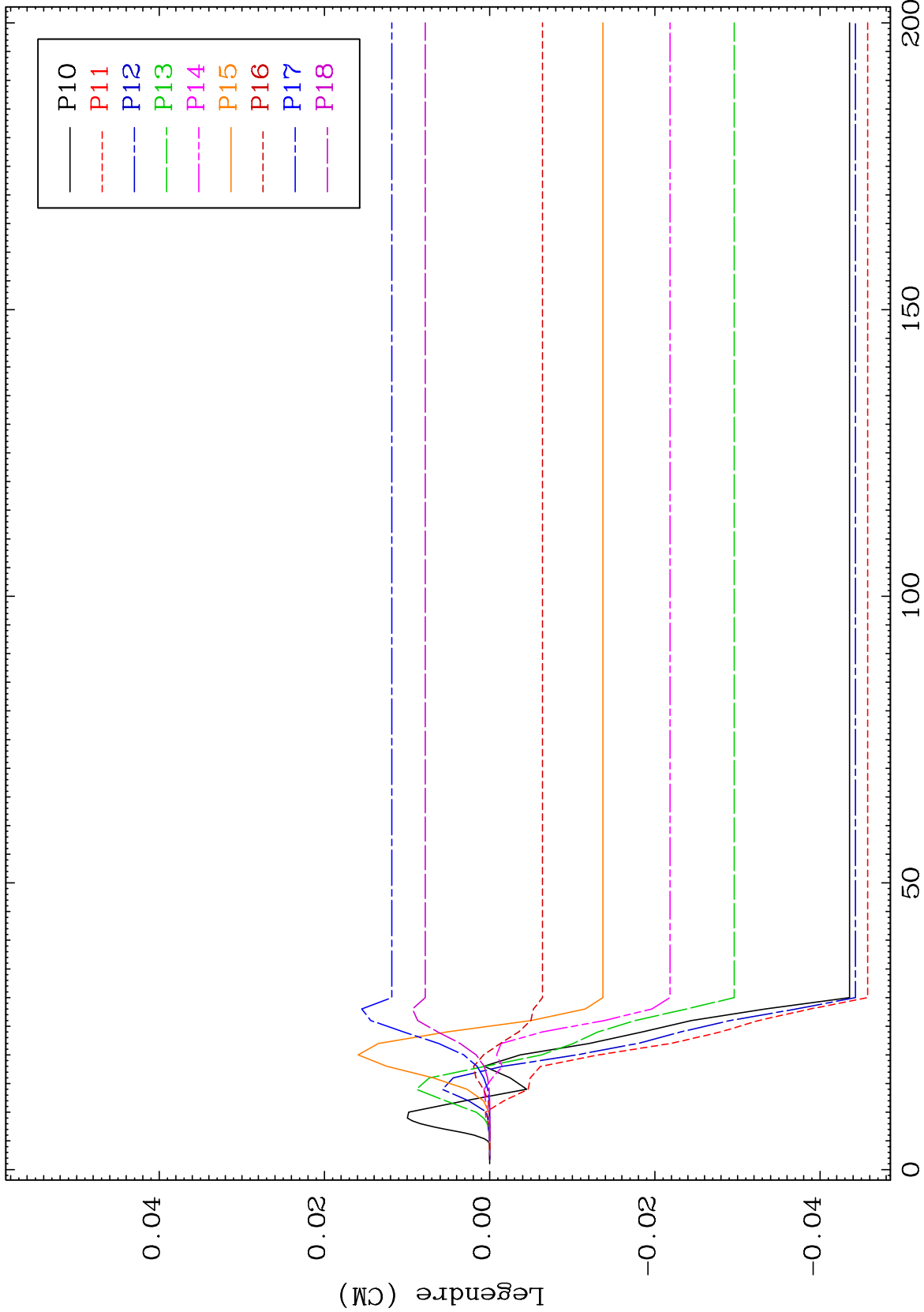
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



27

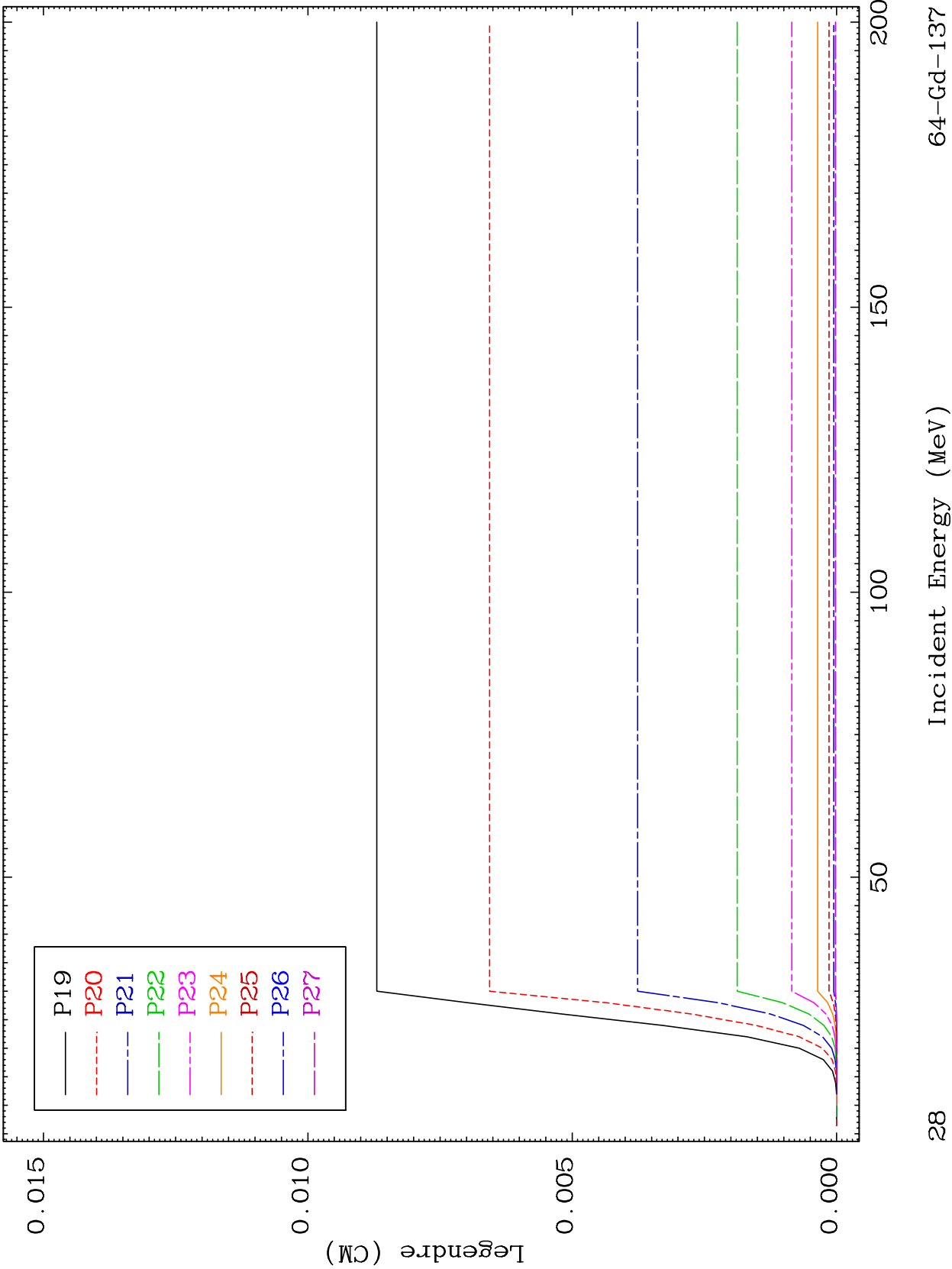
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



28

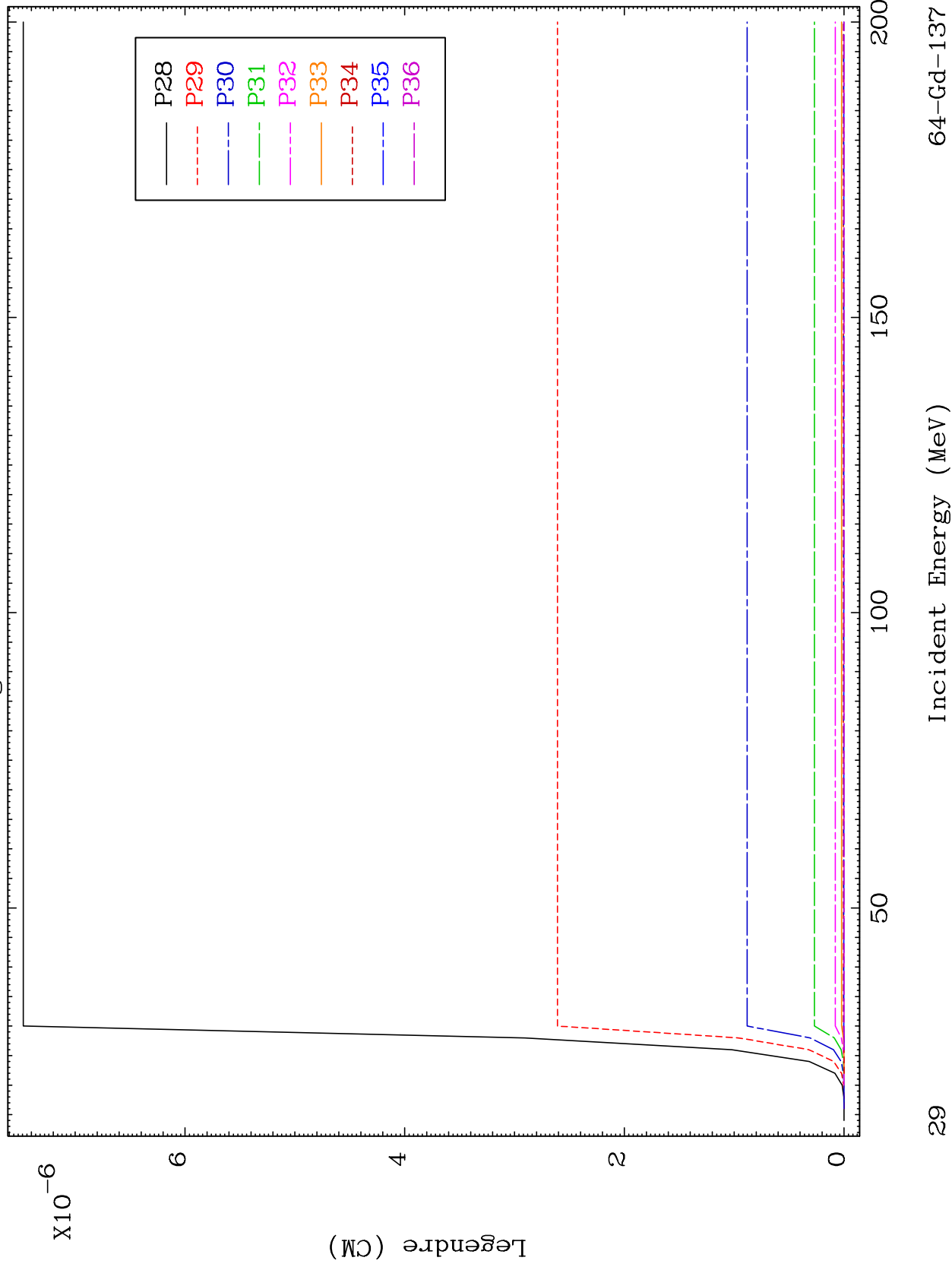
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



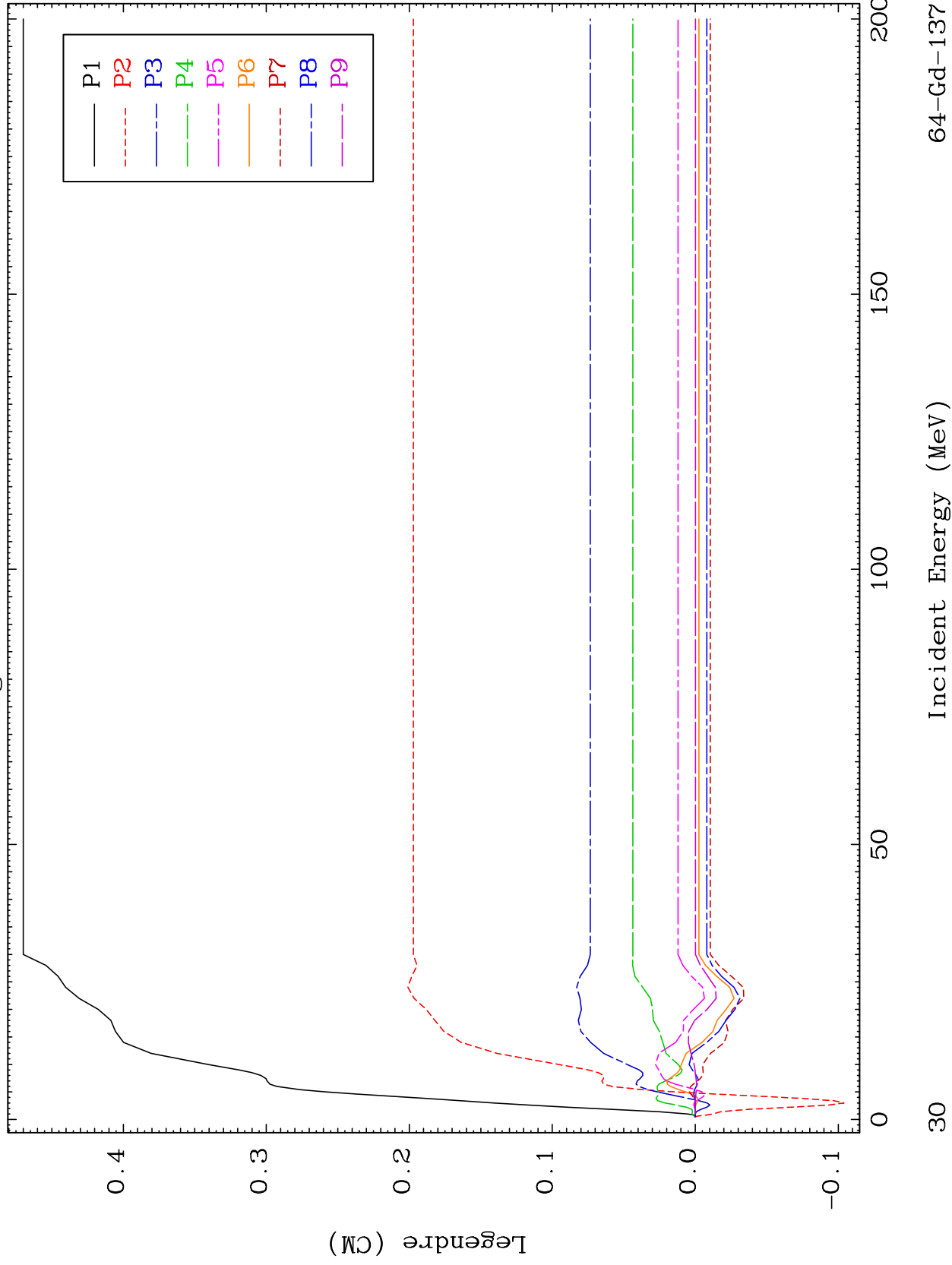
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64-Gd-137

MAT 6380

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

64-Gd-137



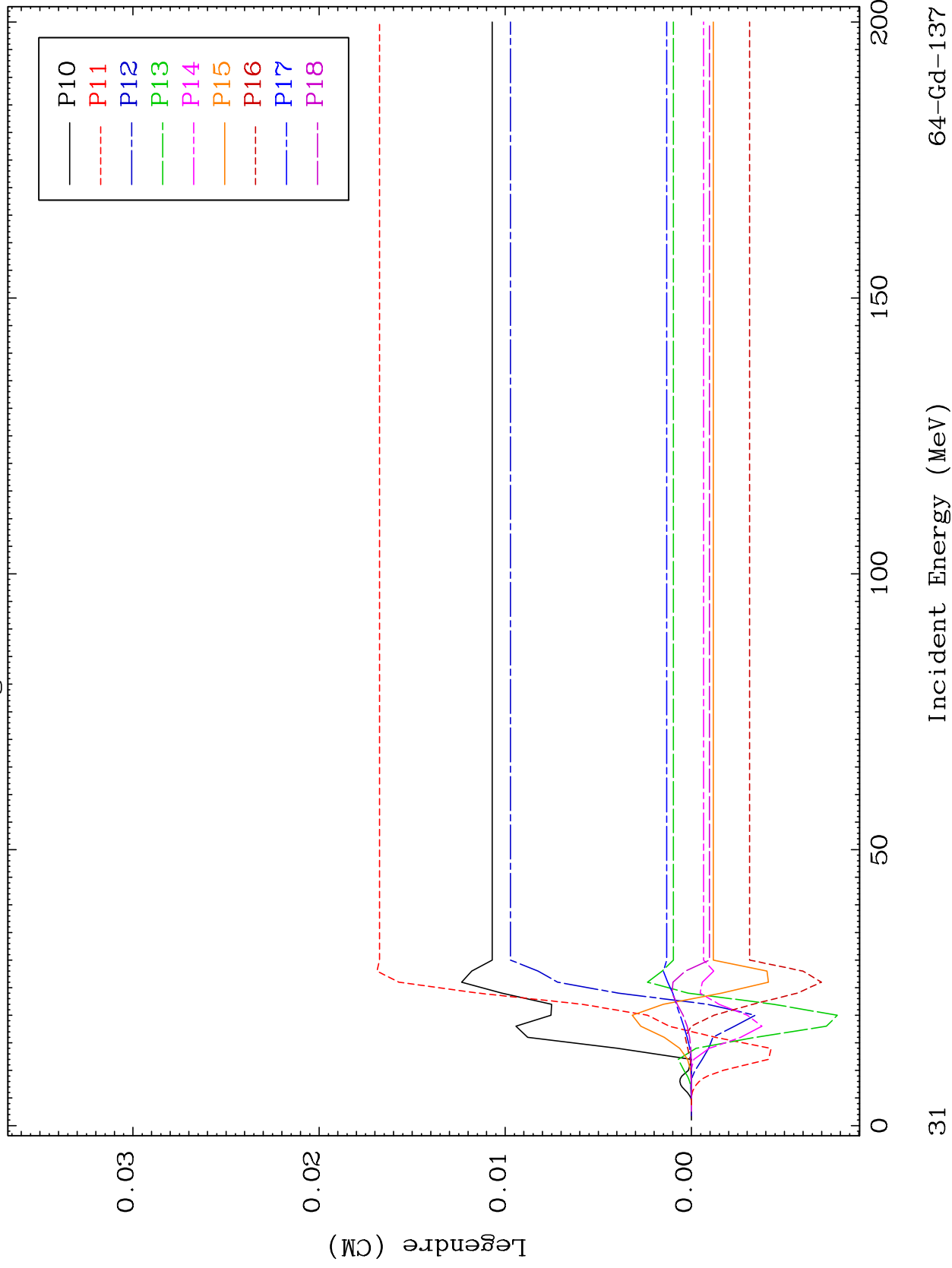
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Incident Energy (MeV)

MAT 6380

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

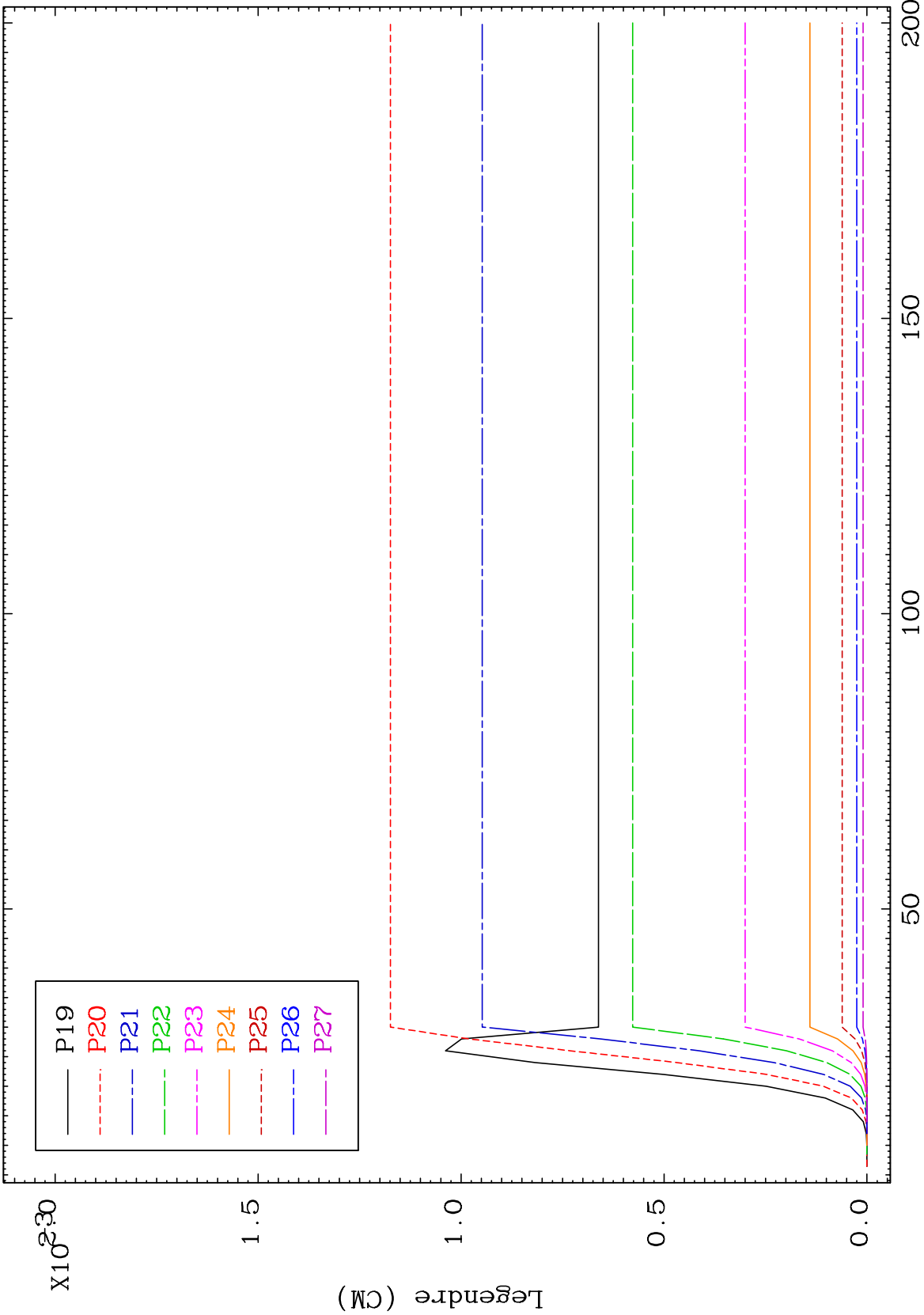
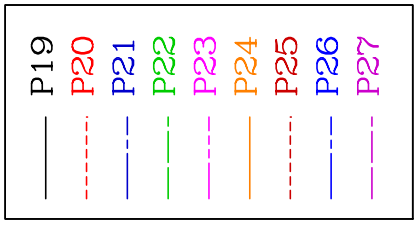
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31

Incident Energy (MeV)

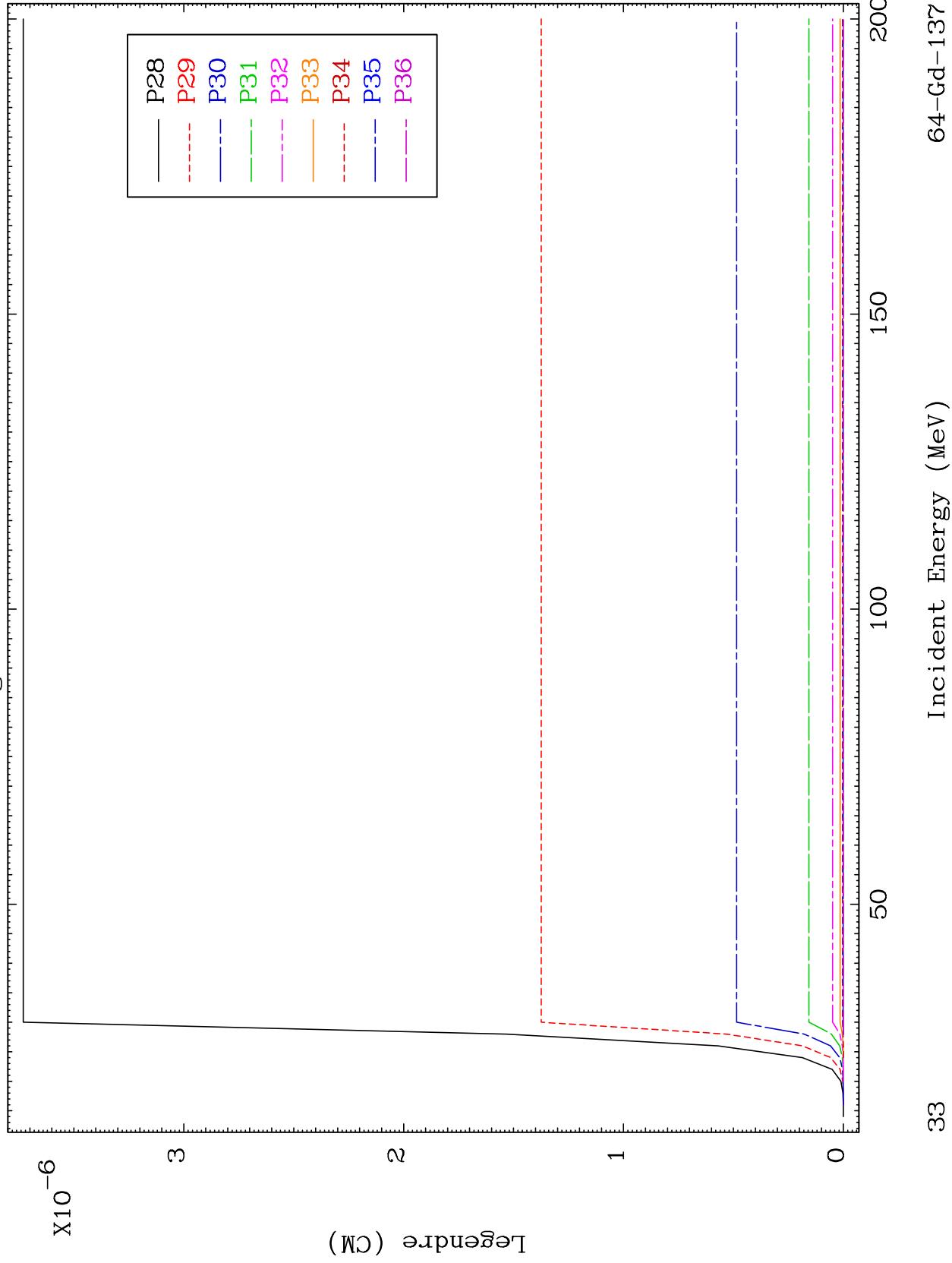
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MAT 6380

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

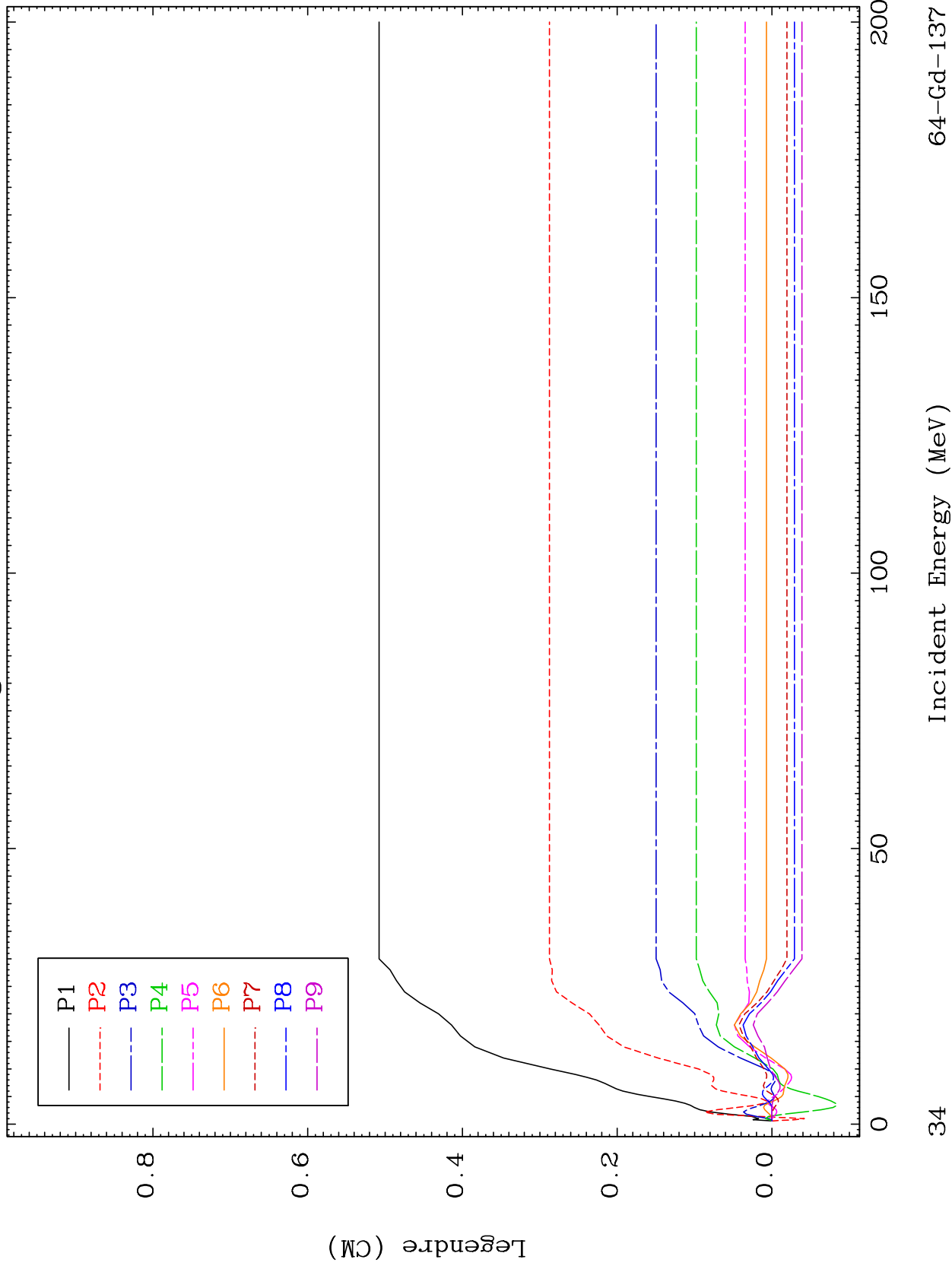
64-Gd-137



MAT 6380

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

64-Gd-137



64-Gd-137

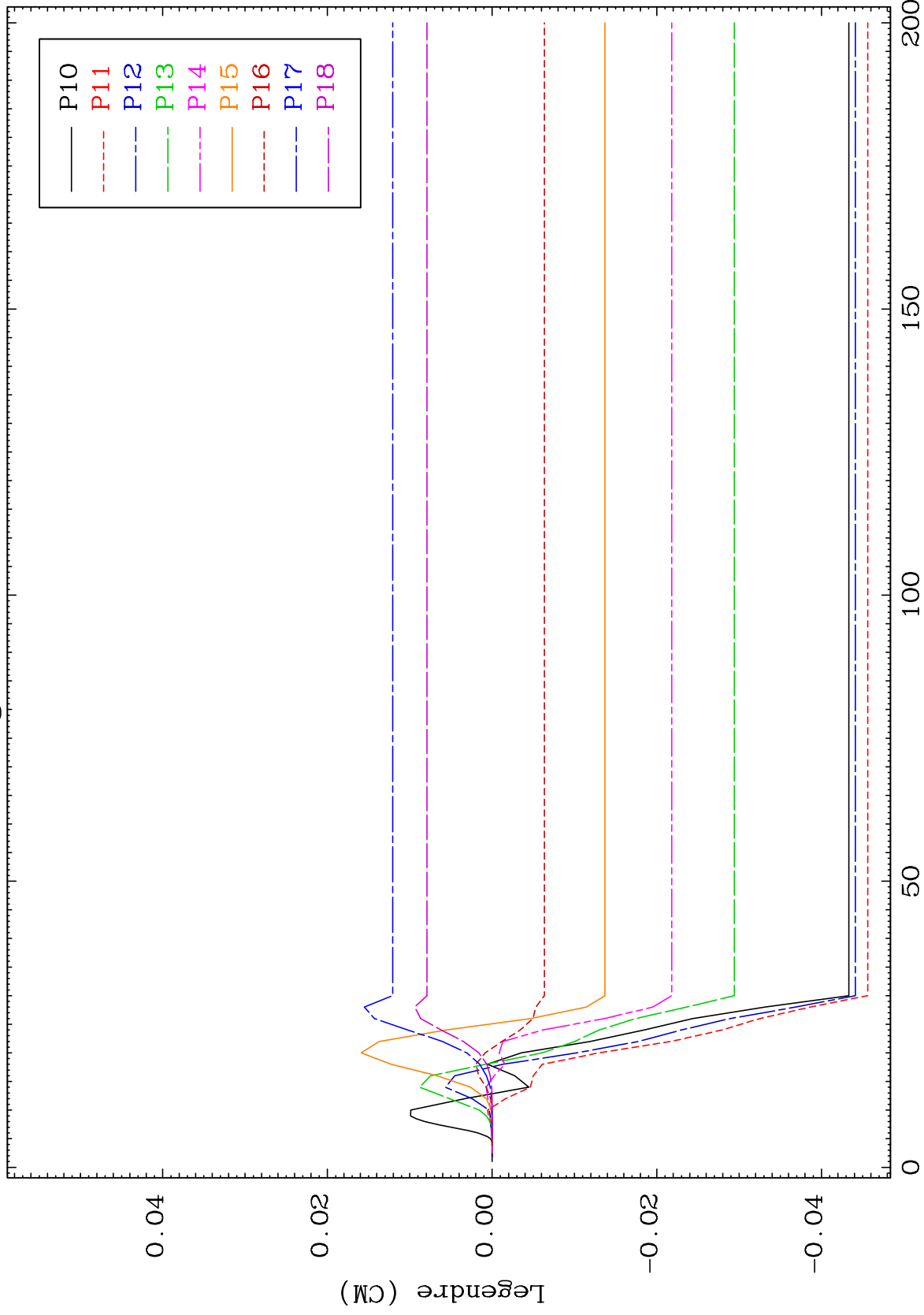
Incident Energy (MeV)

34

MAT 6380

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

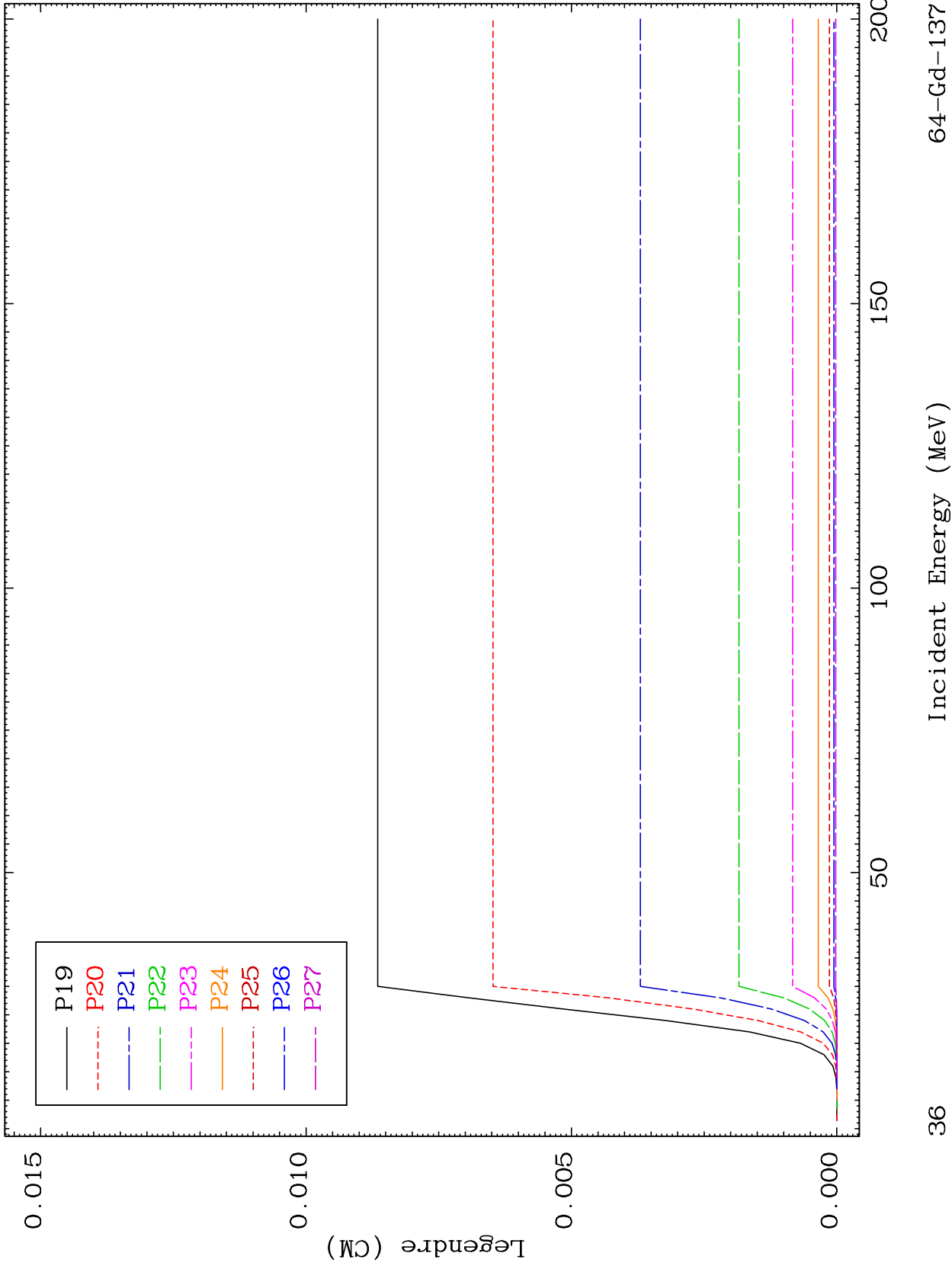
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35

Incident Energy (MeV)

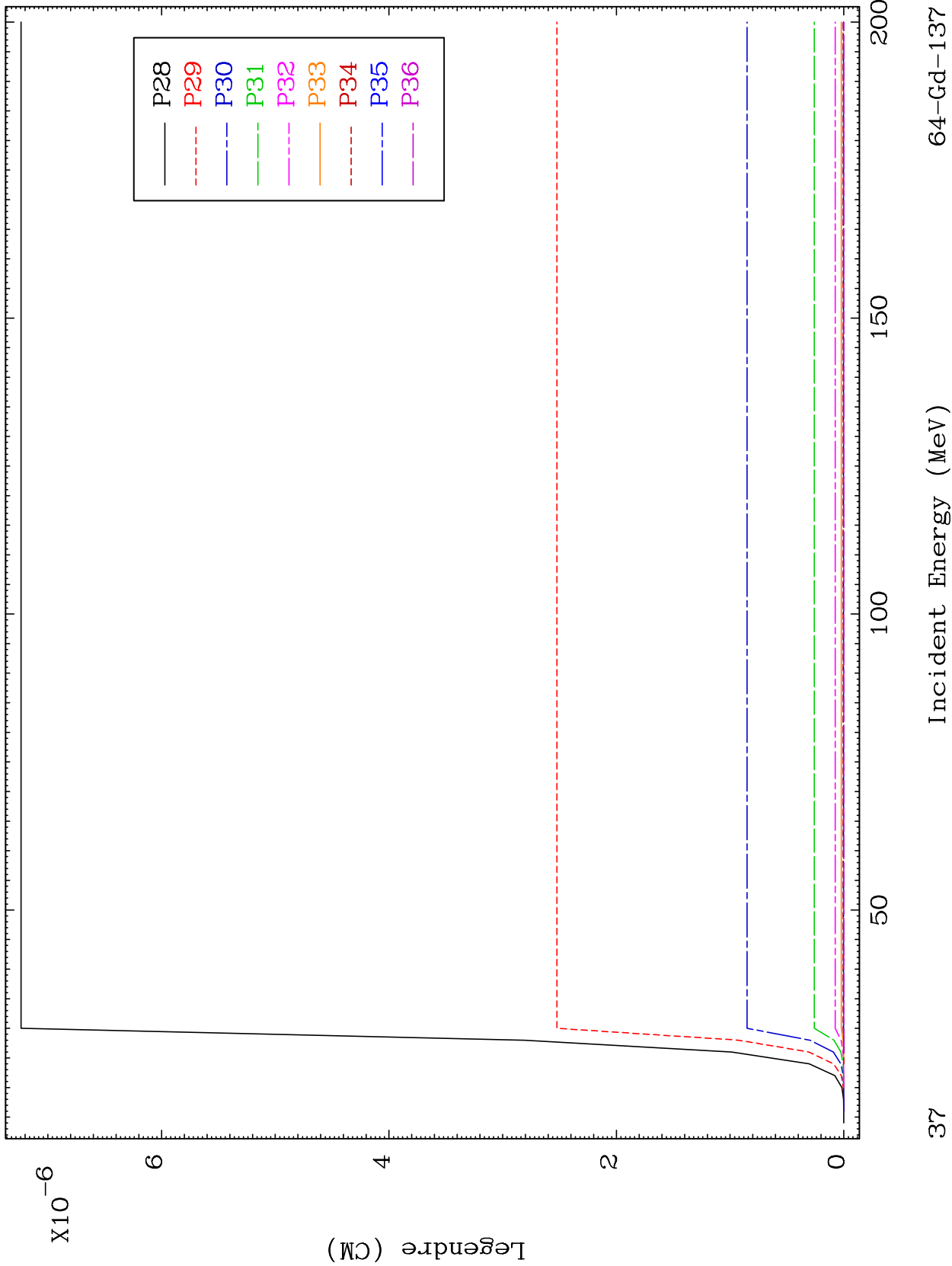
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MAT 6380

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

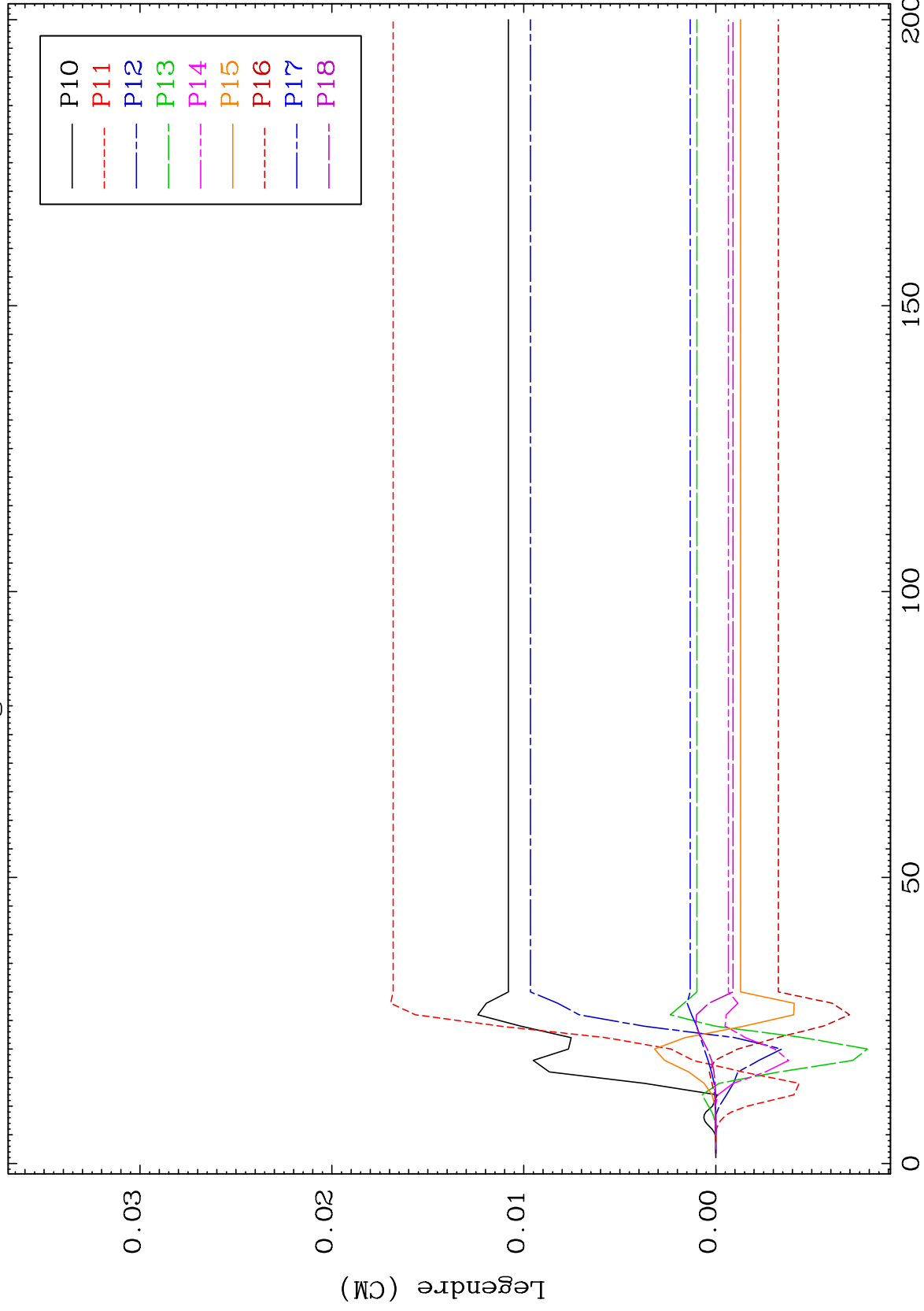
64-Gd-137



MAT 6380

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

64-Gd-137



39

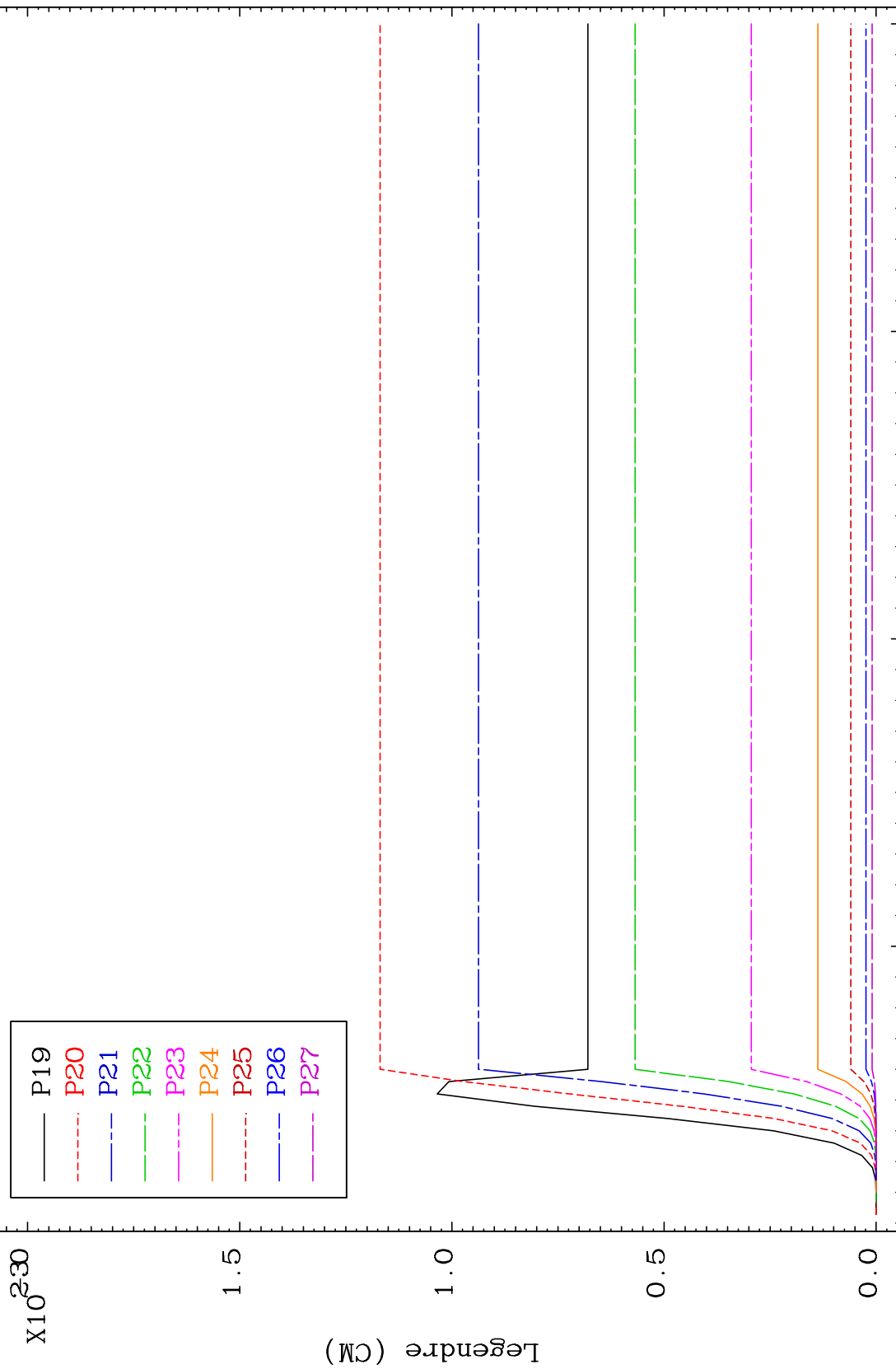
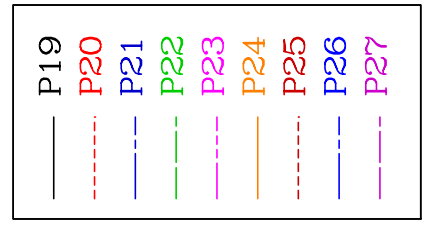
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



40

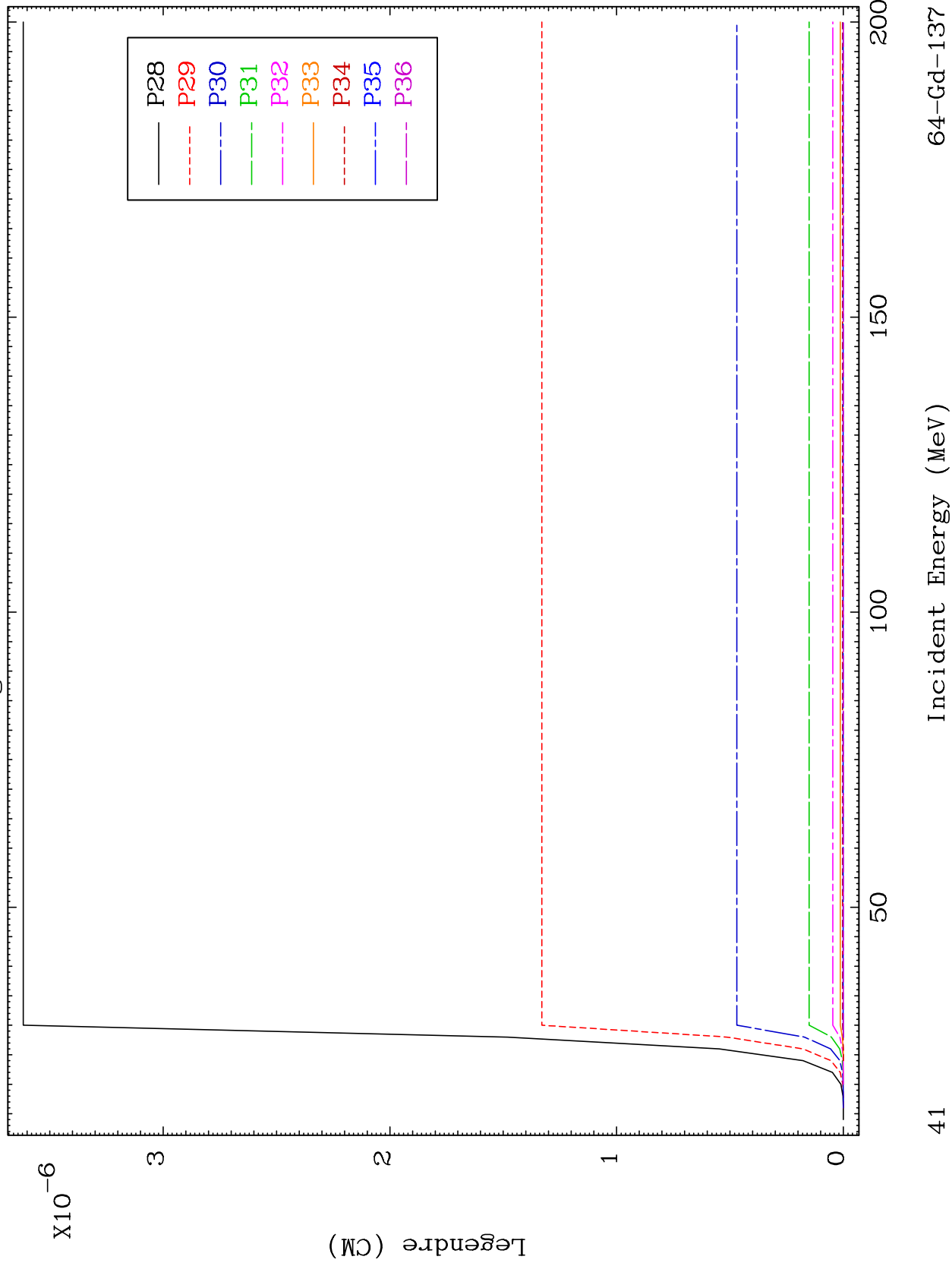
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



41

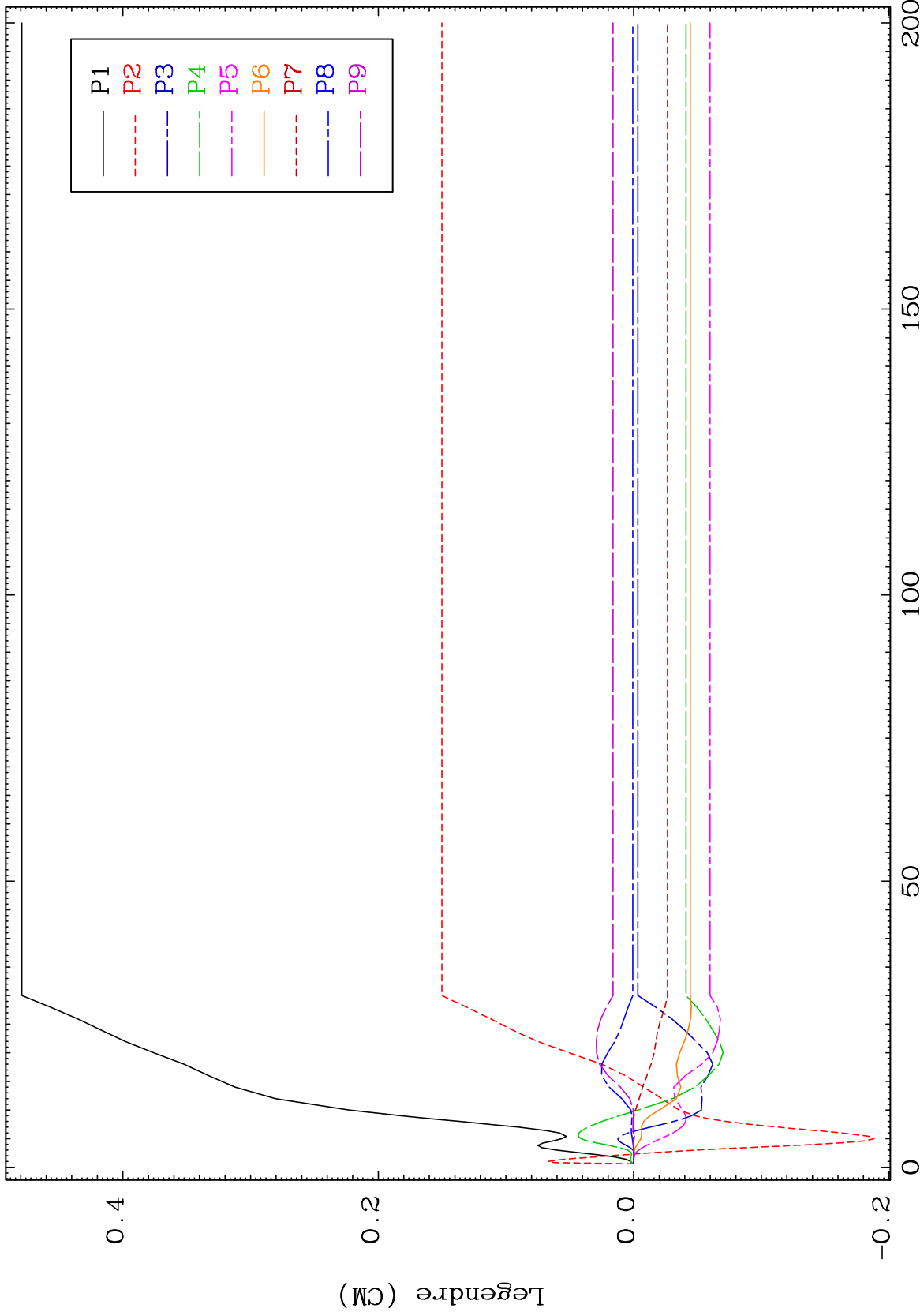
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

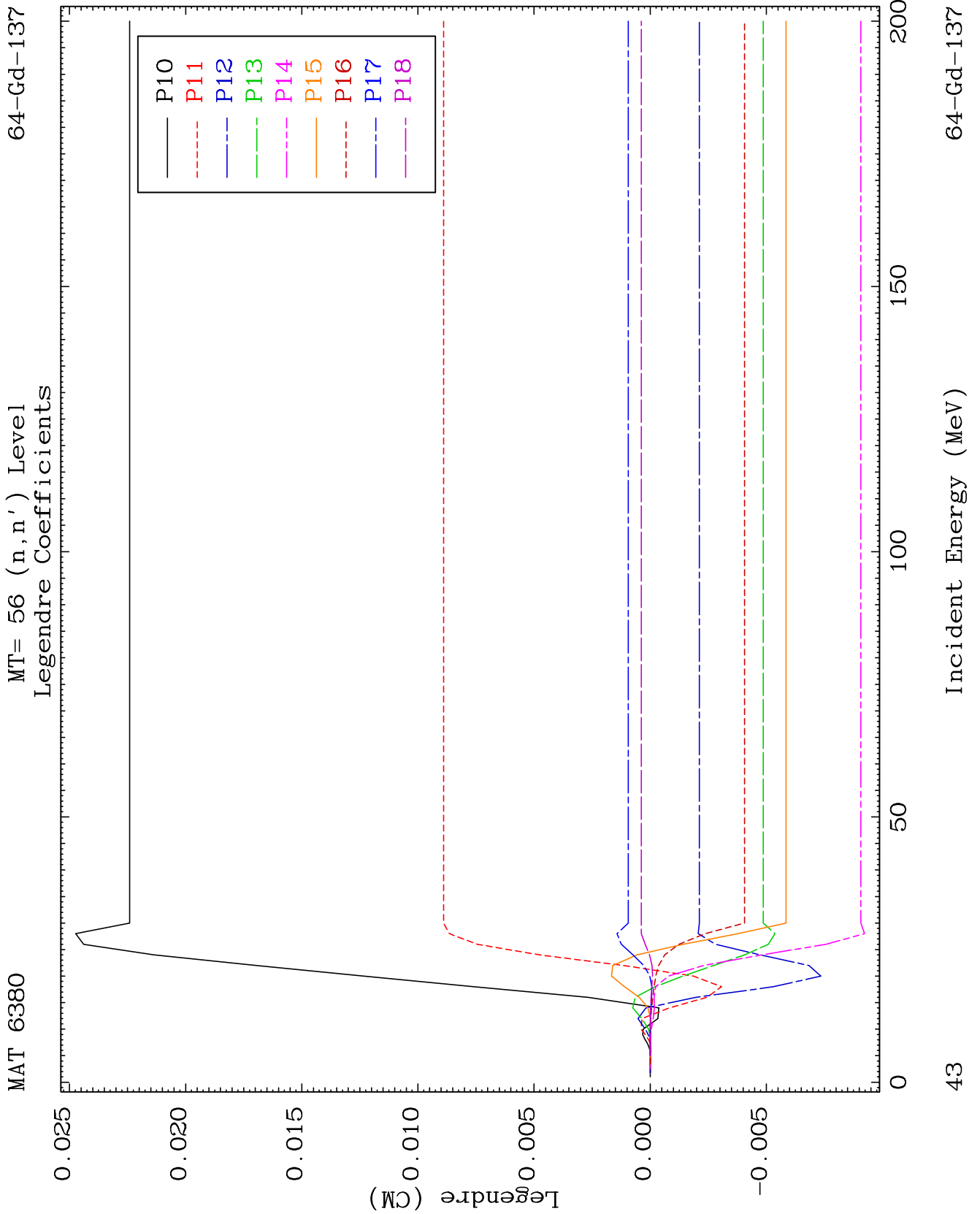
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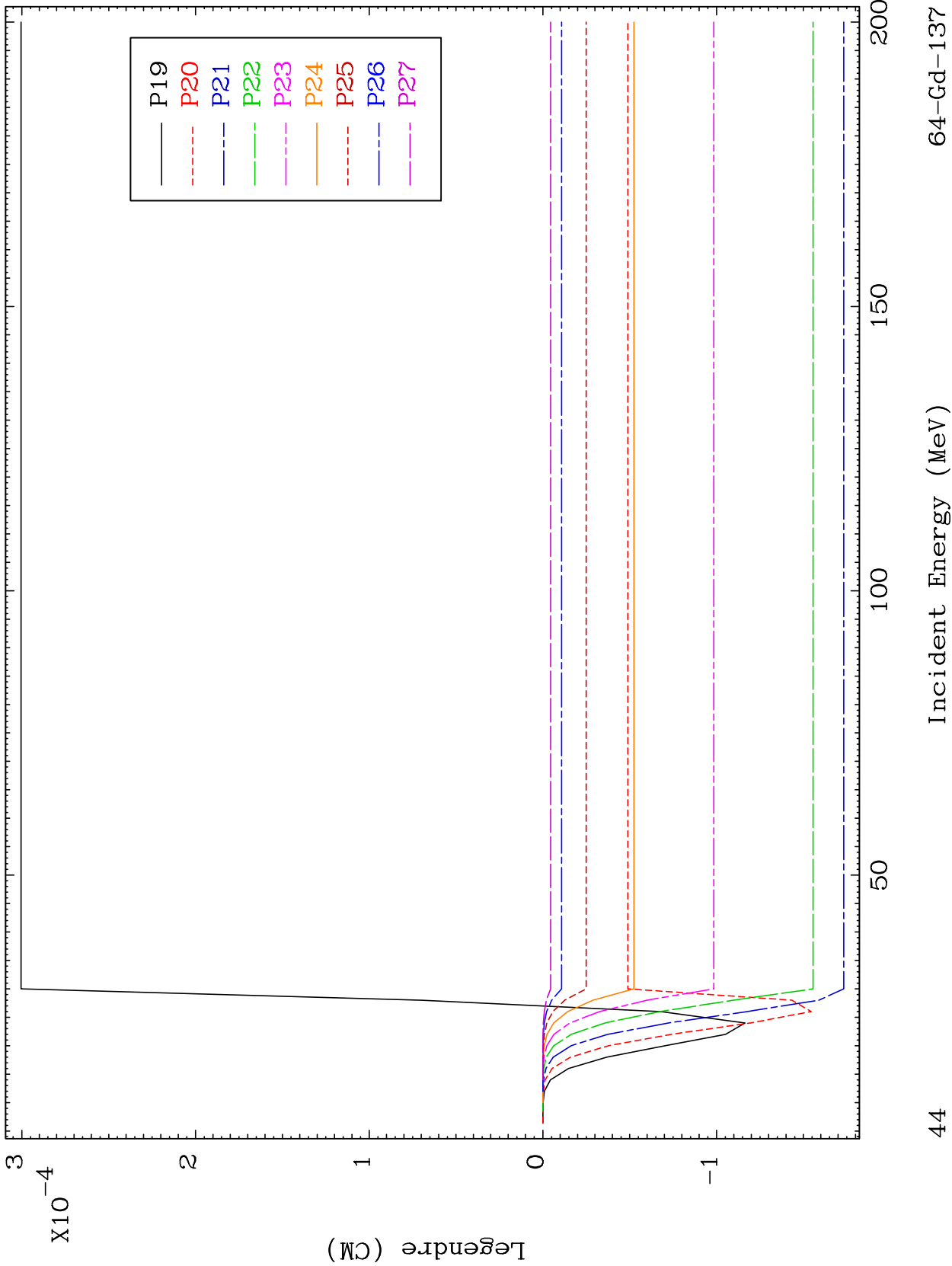


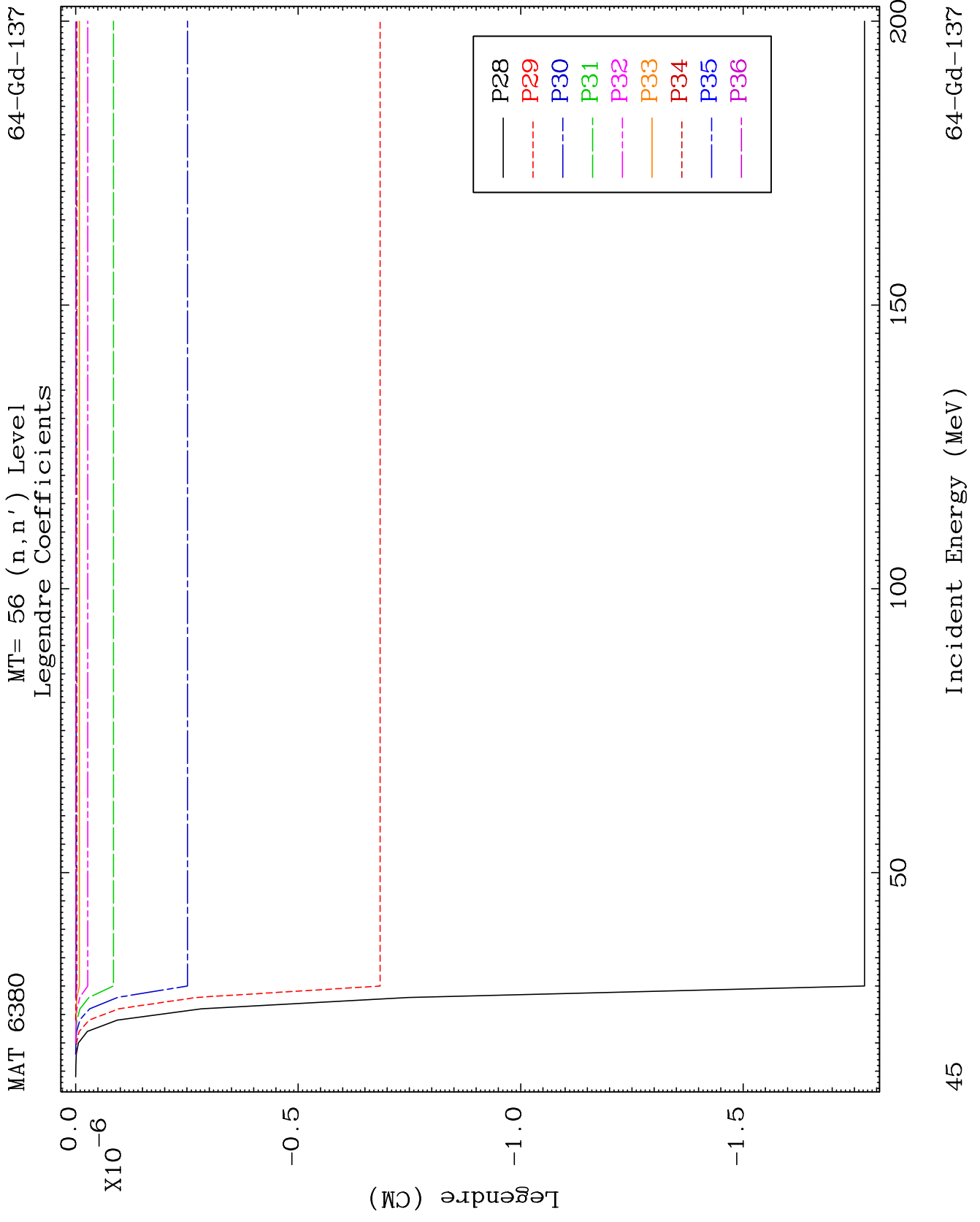
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Incident Energy (MeV)

64-Gd-137



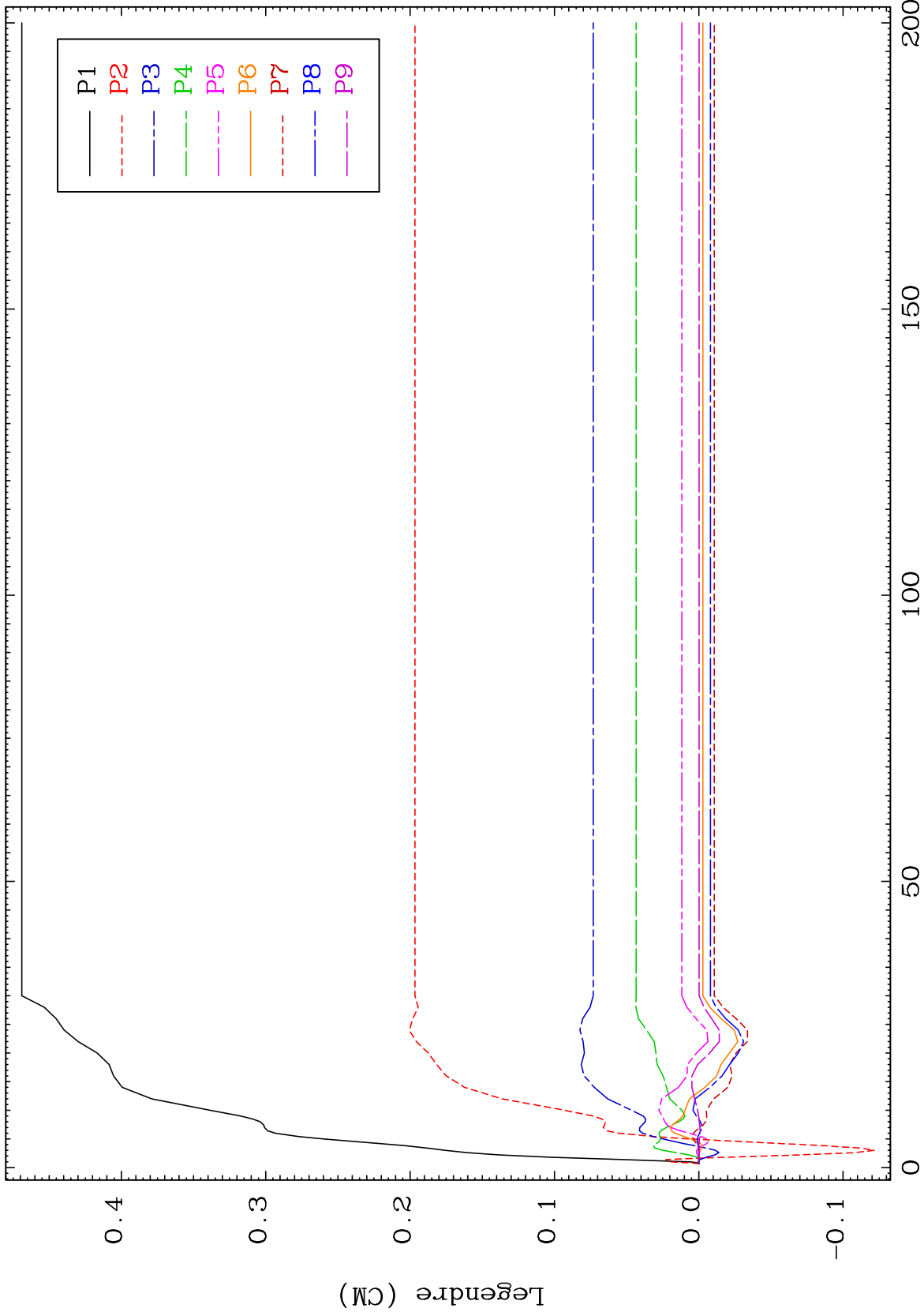




MAT 6380

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

64-Gd-137



46

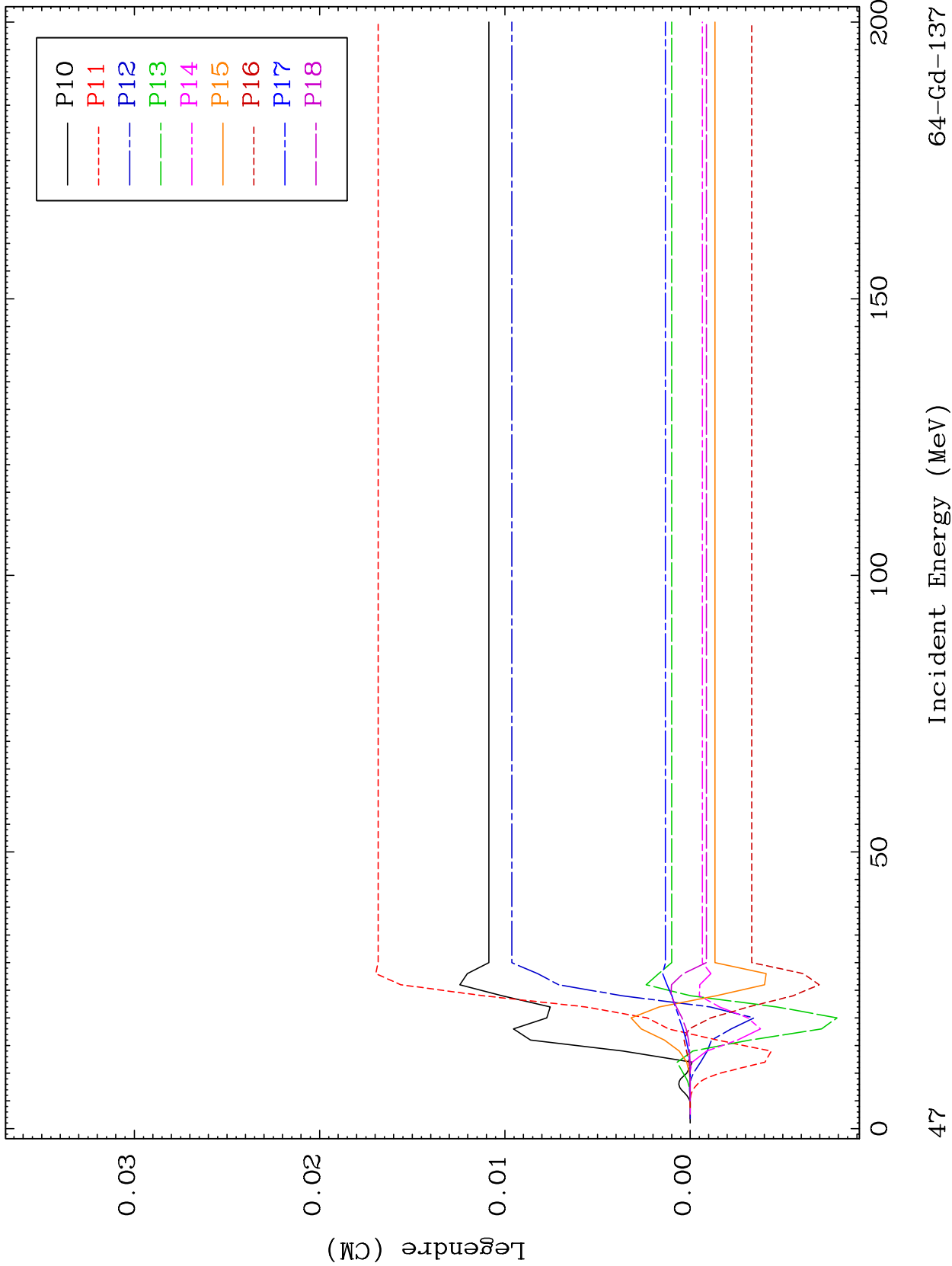
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



47

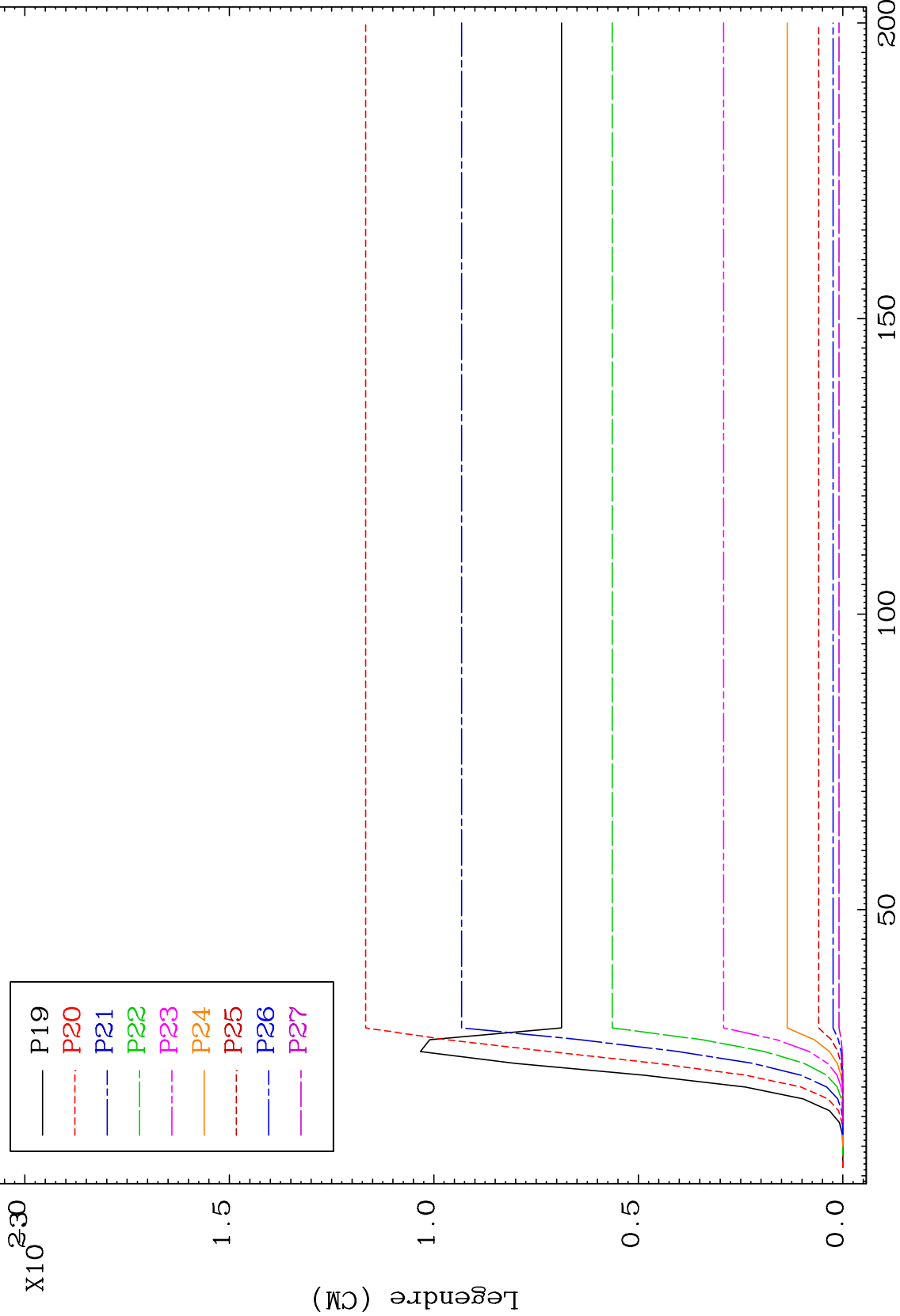
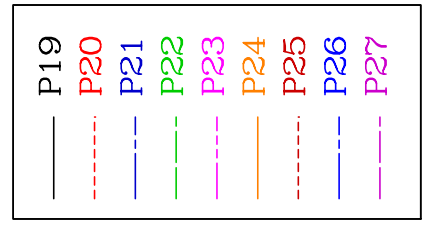
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



48

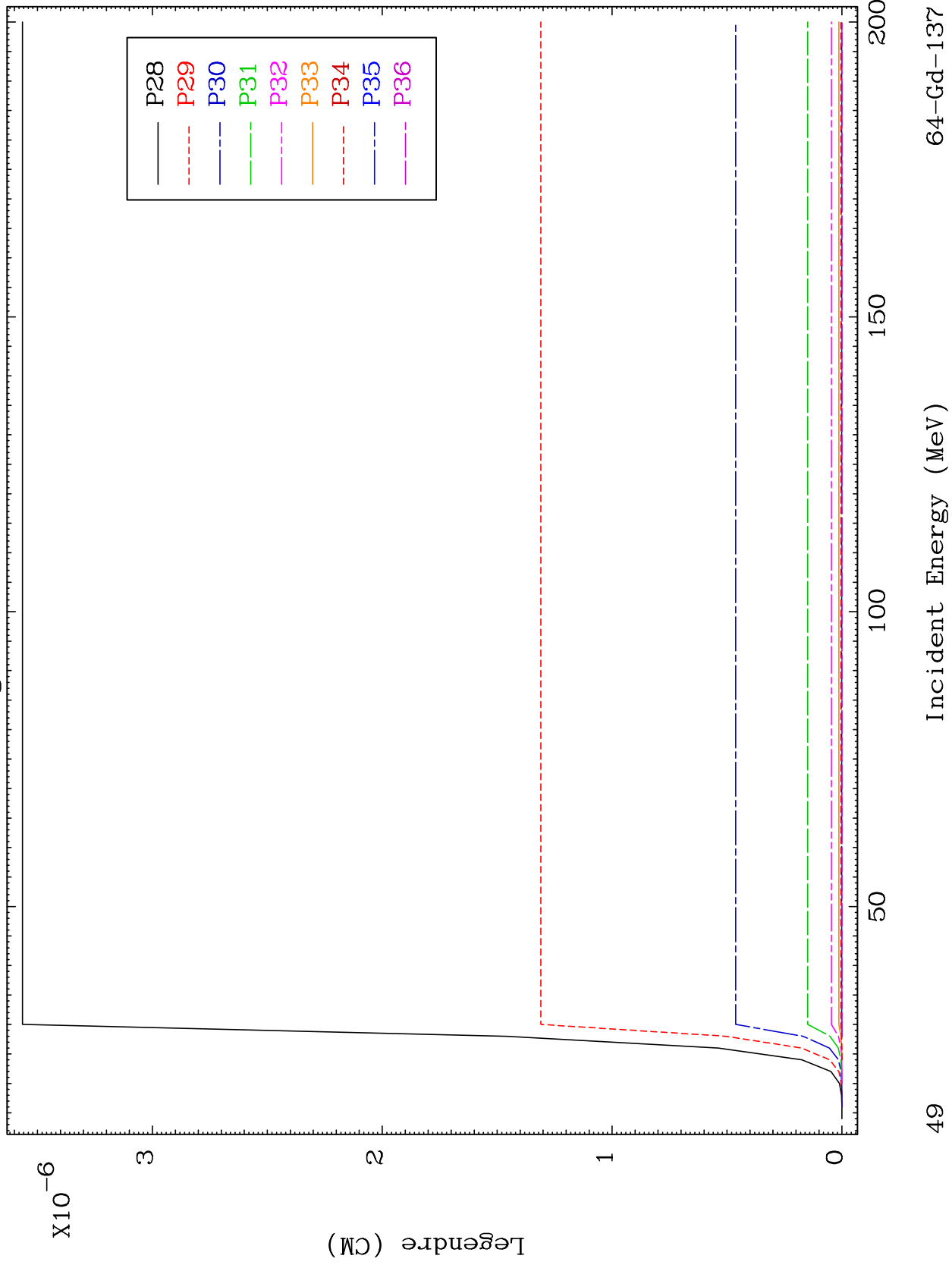
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



49

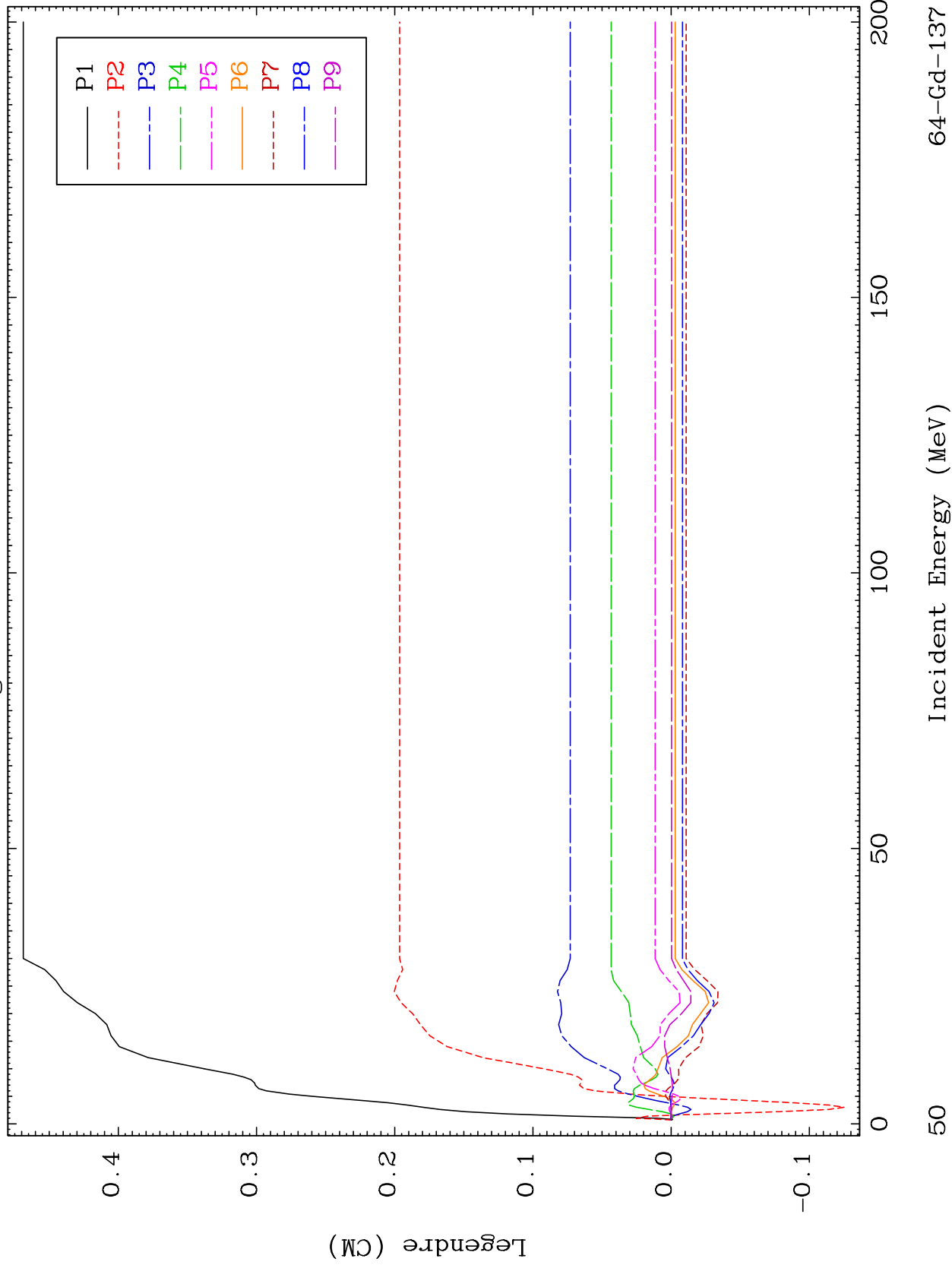
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



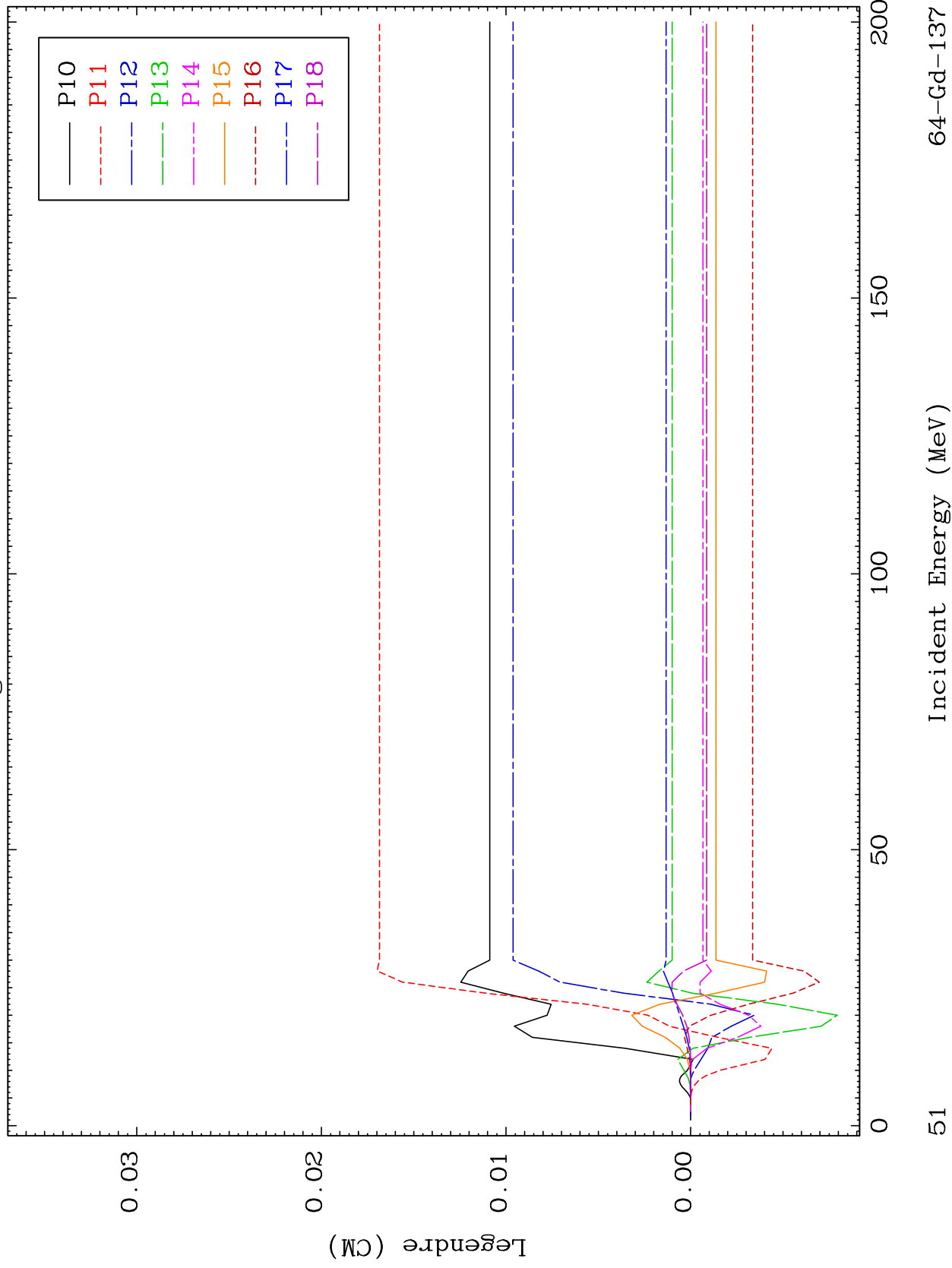
64-Gd-137

Incident Energy (MeV)

MAT 6380

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

64-Gd-137



51

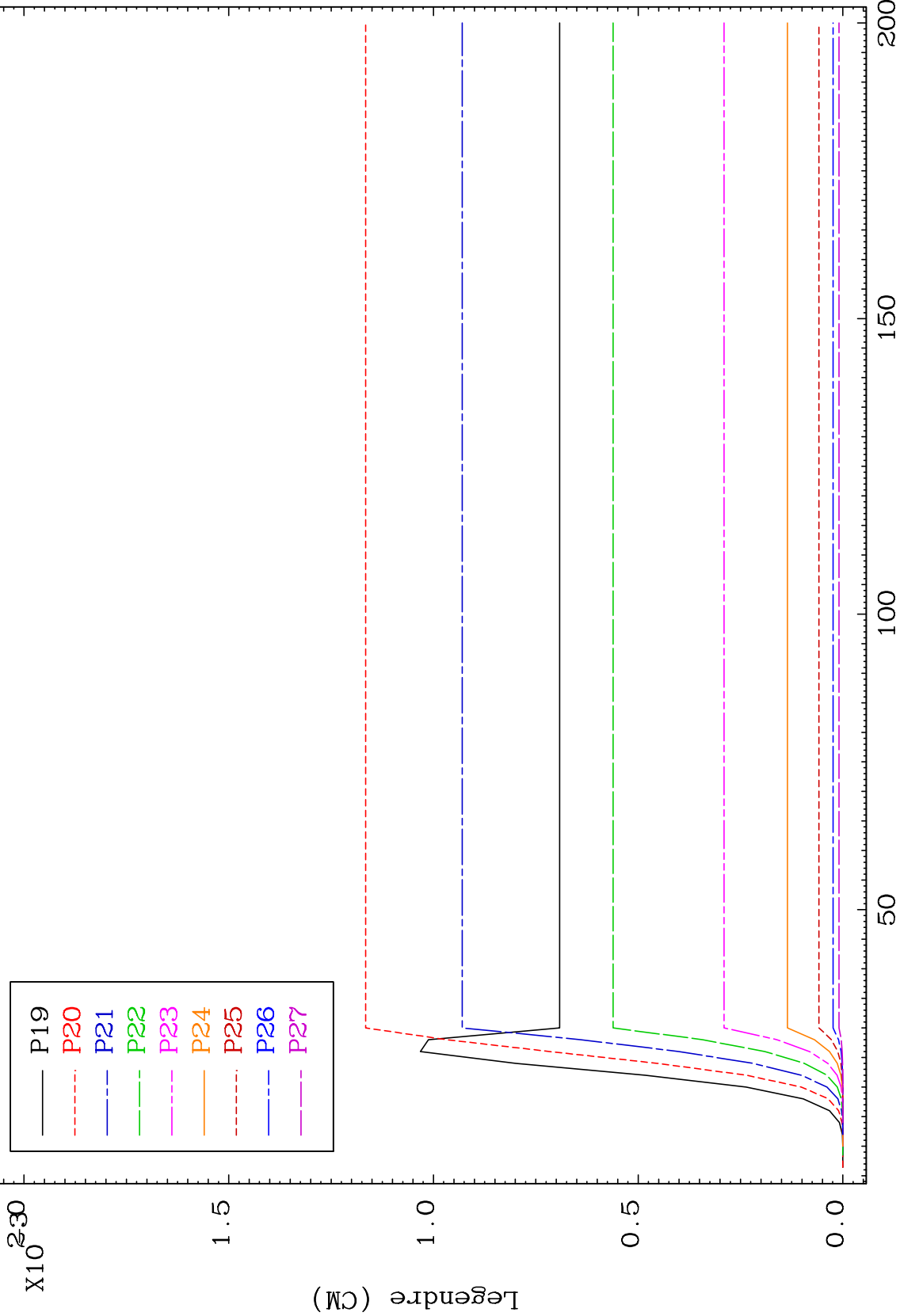
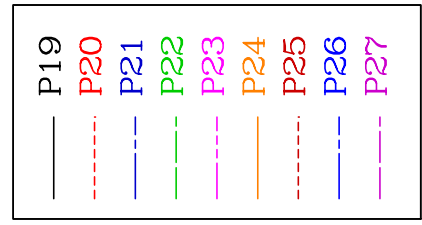
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



52

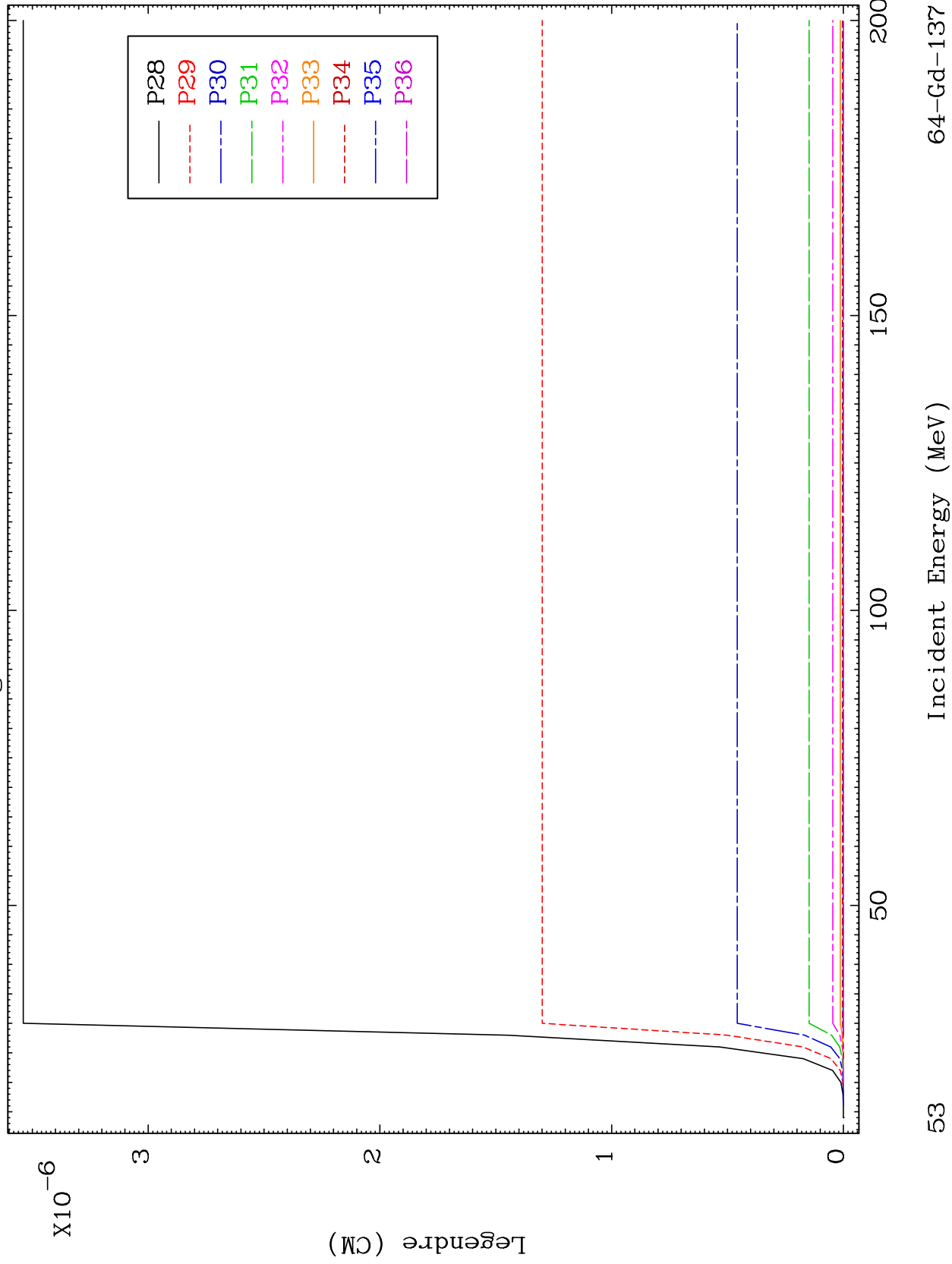
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

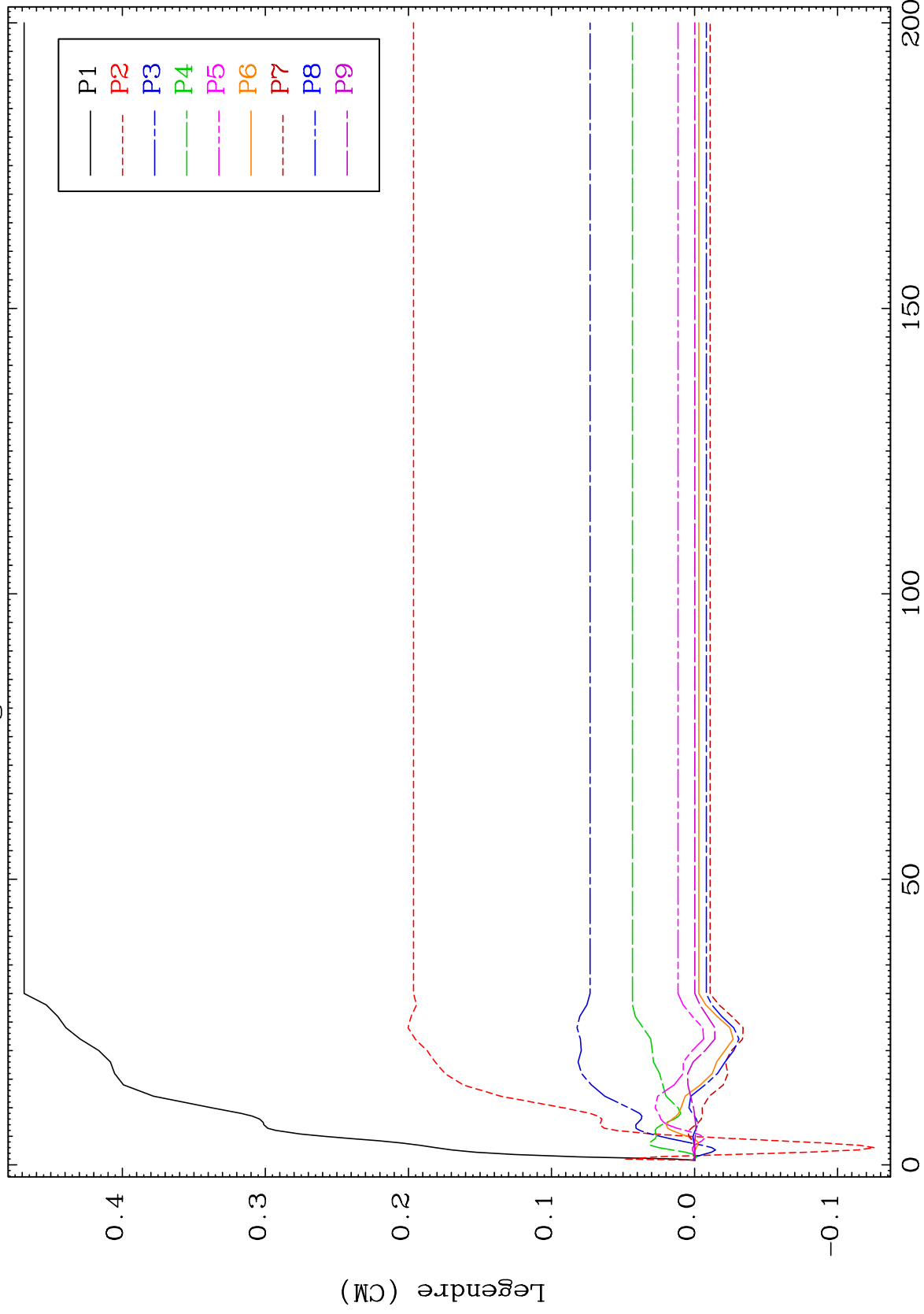
64-Gd-137



MAT 6380

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

64-Gd-137



54

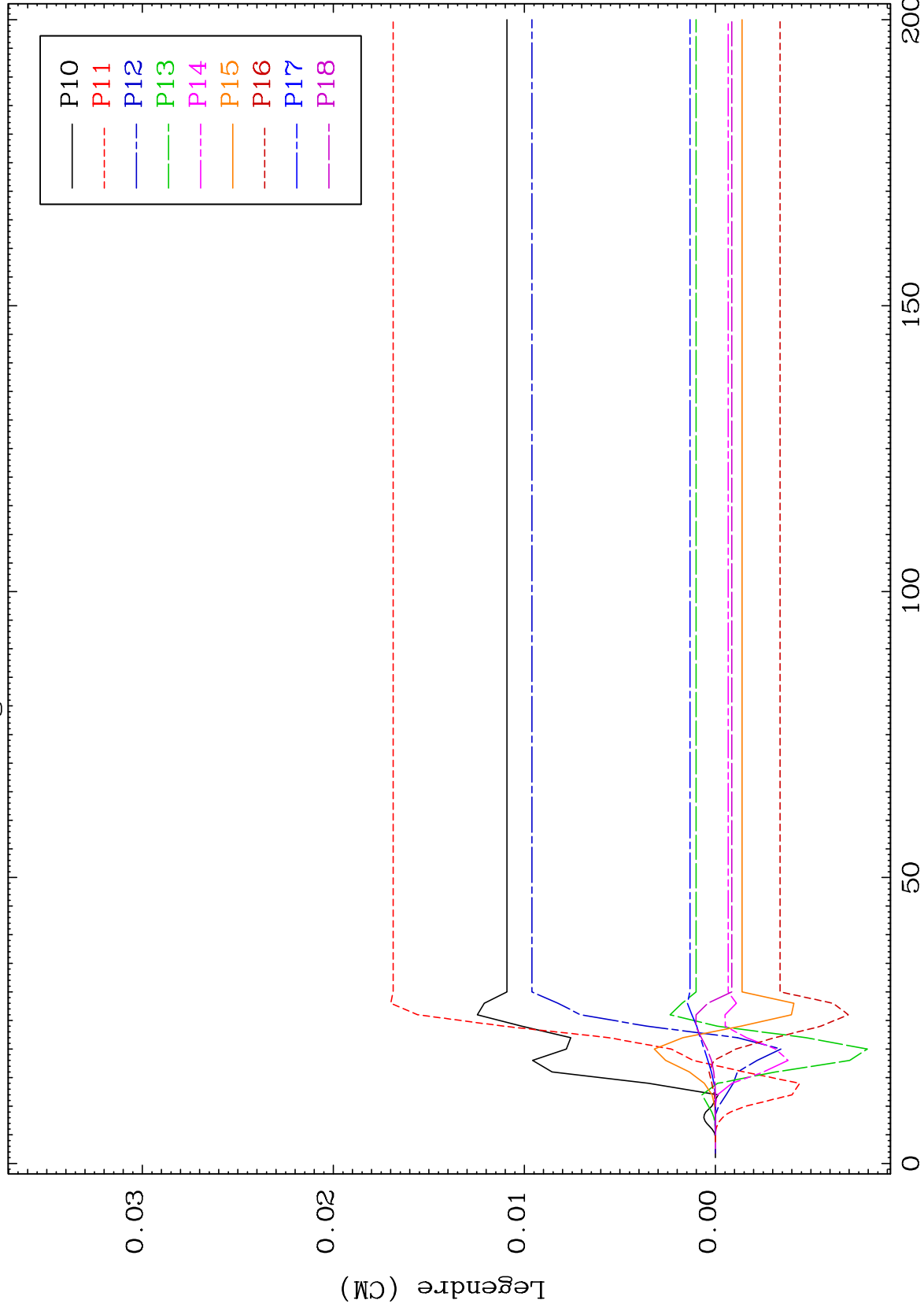
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

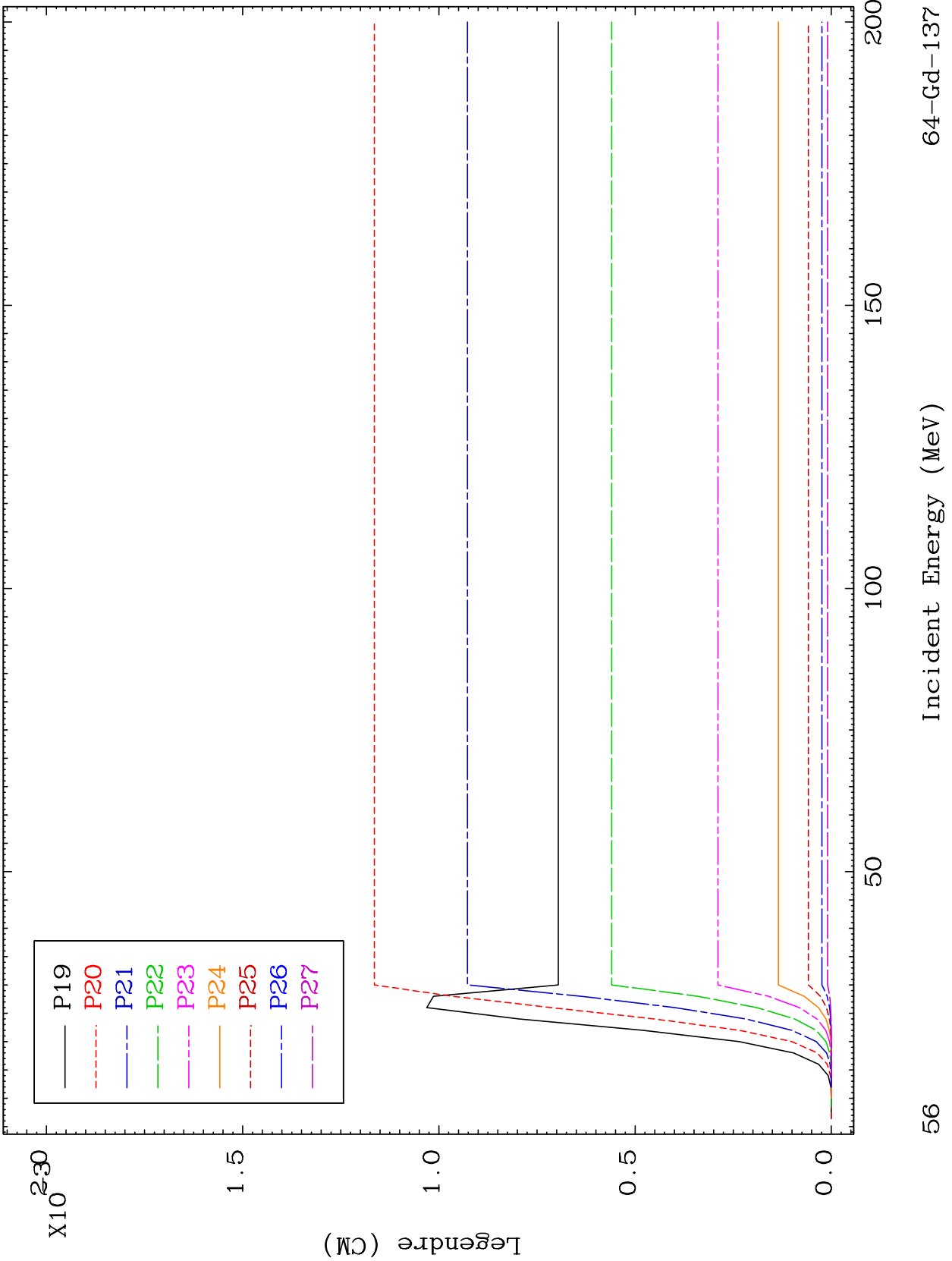
64-Gd-137



55

Incident Energy (MeV)

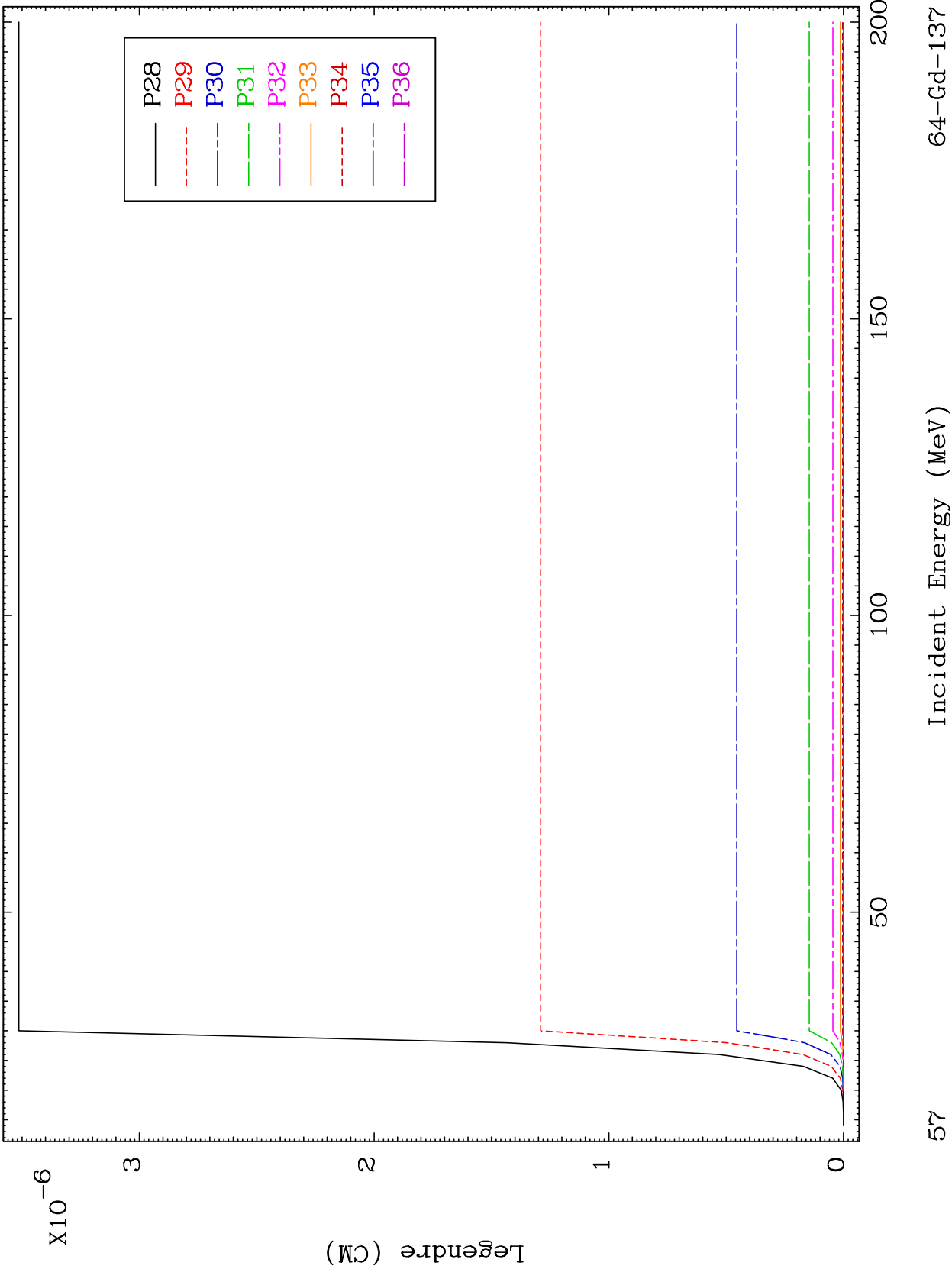
64-Gd-137



MAT 6380

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

64-Gd-137



57

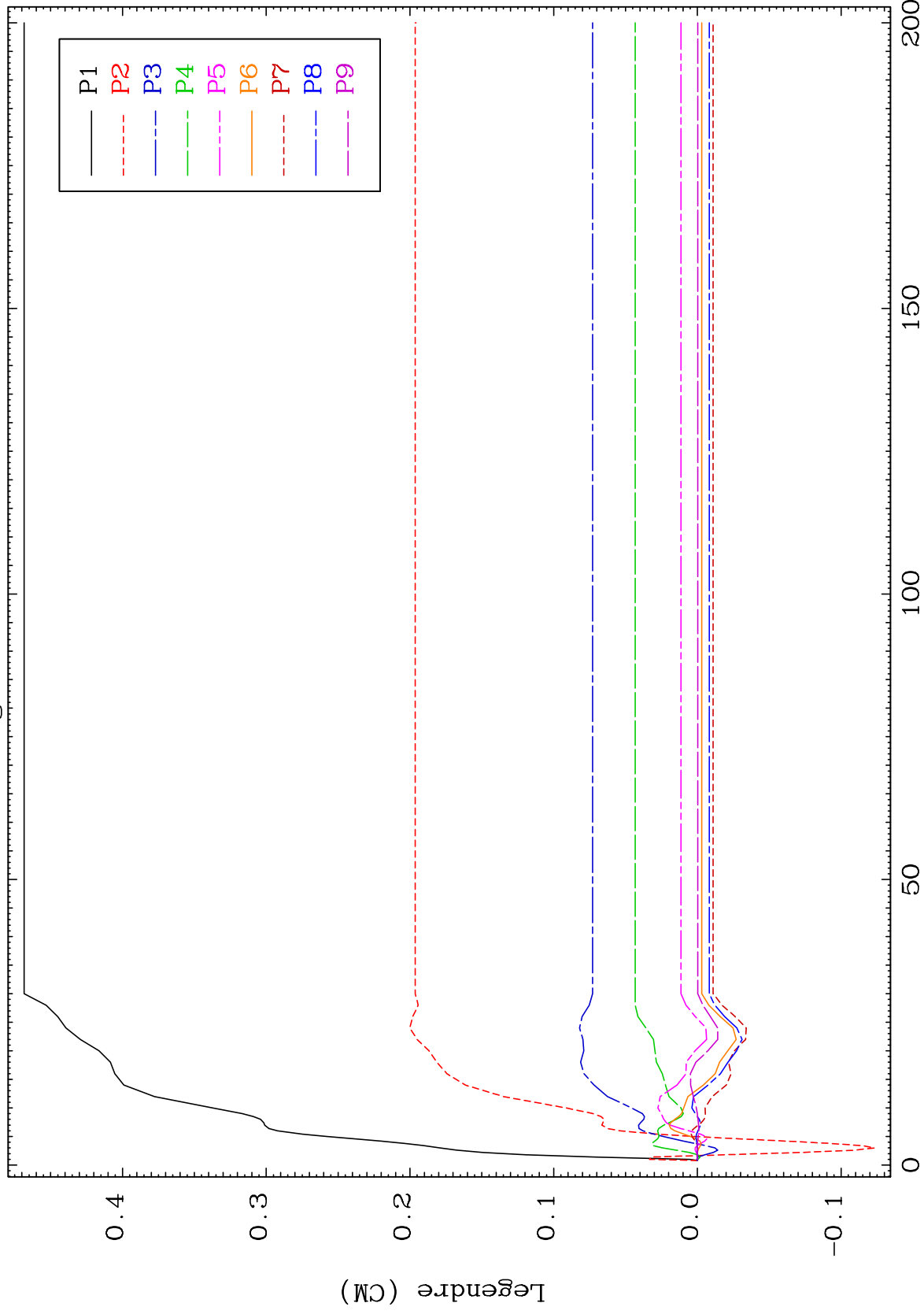
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



58

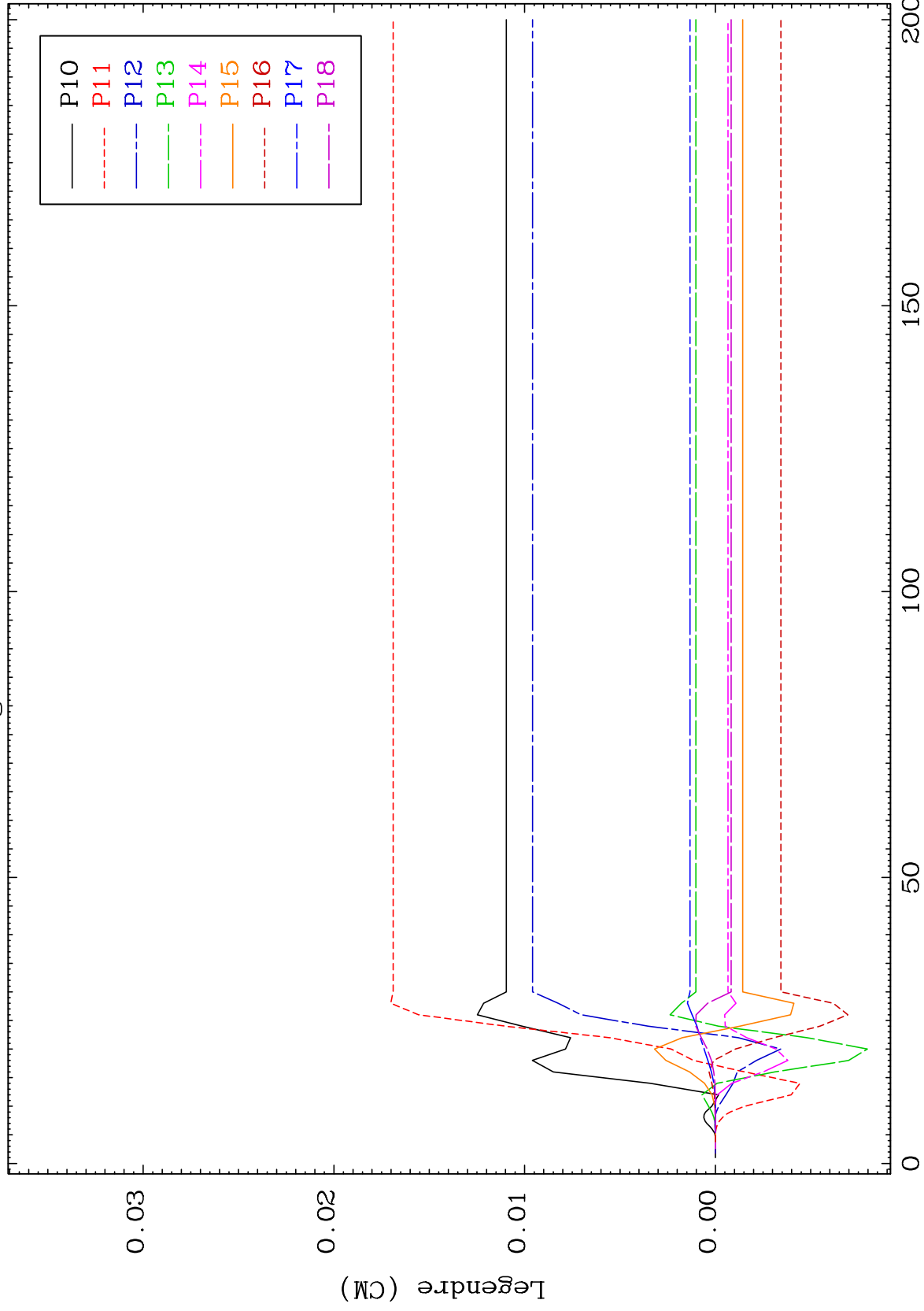
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



59

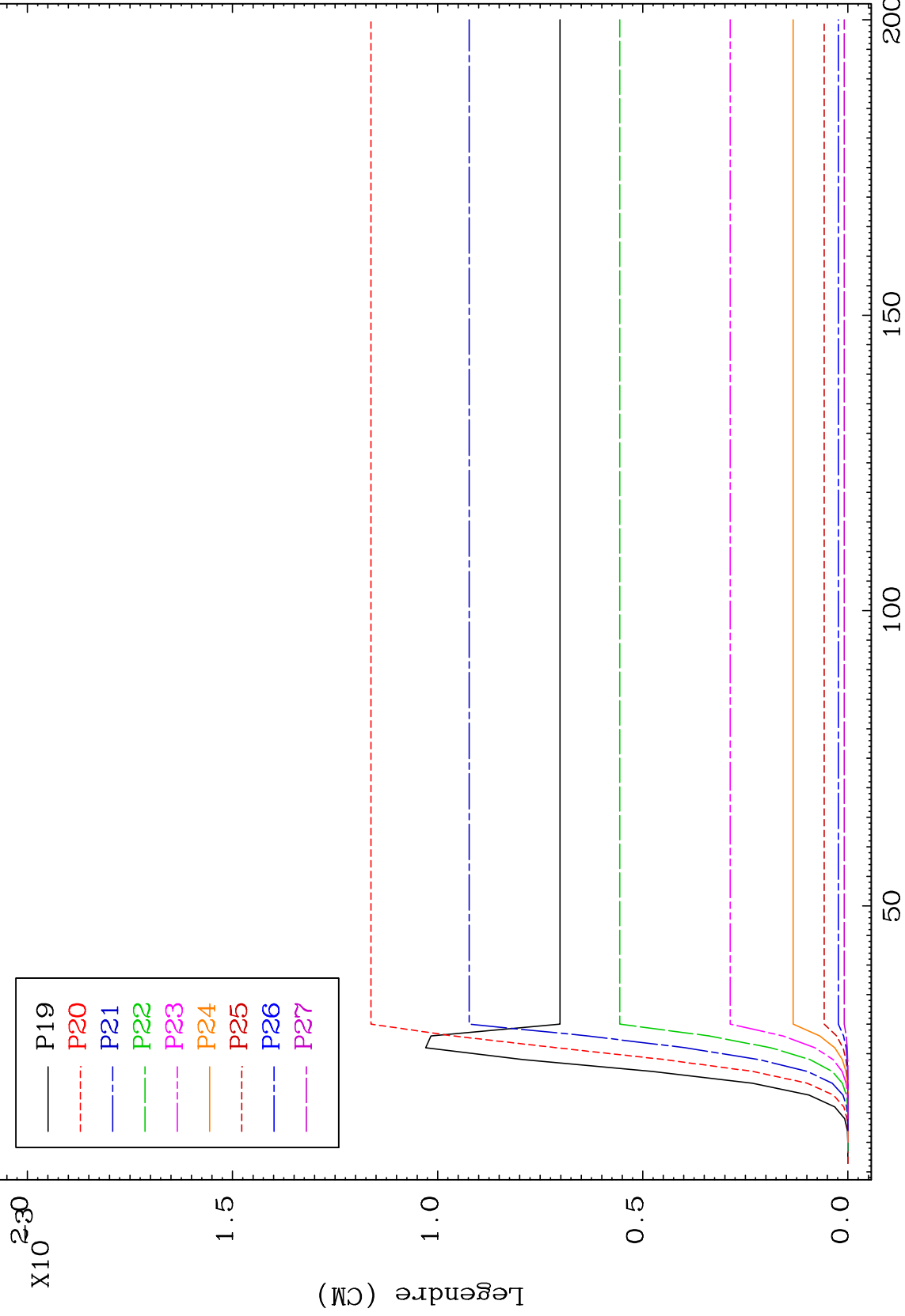
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



60

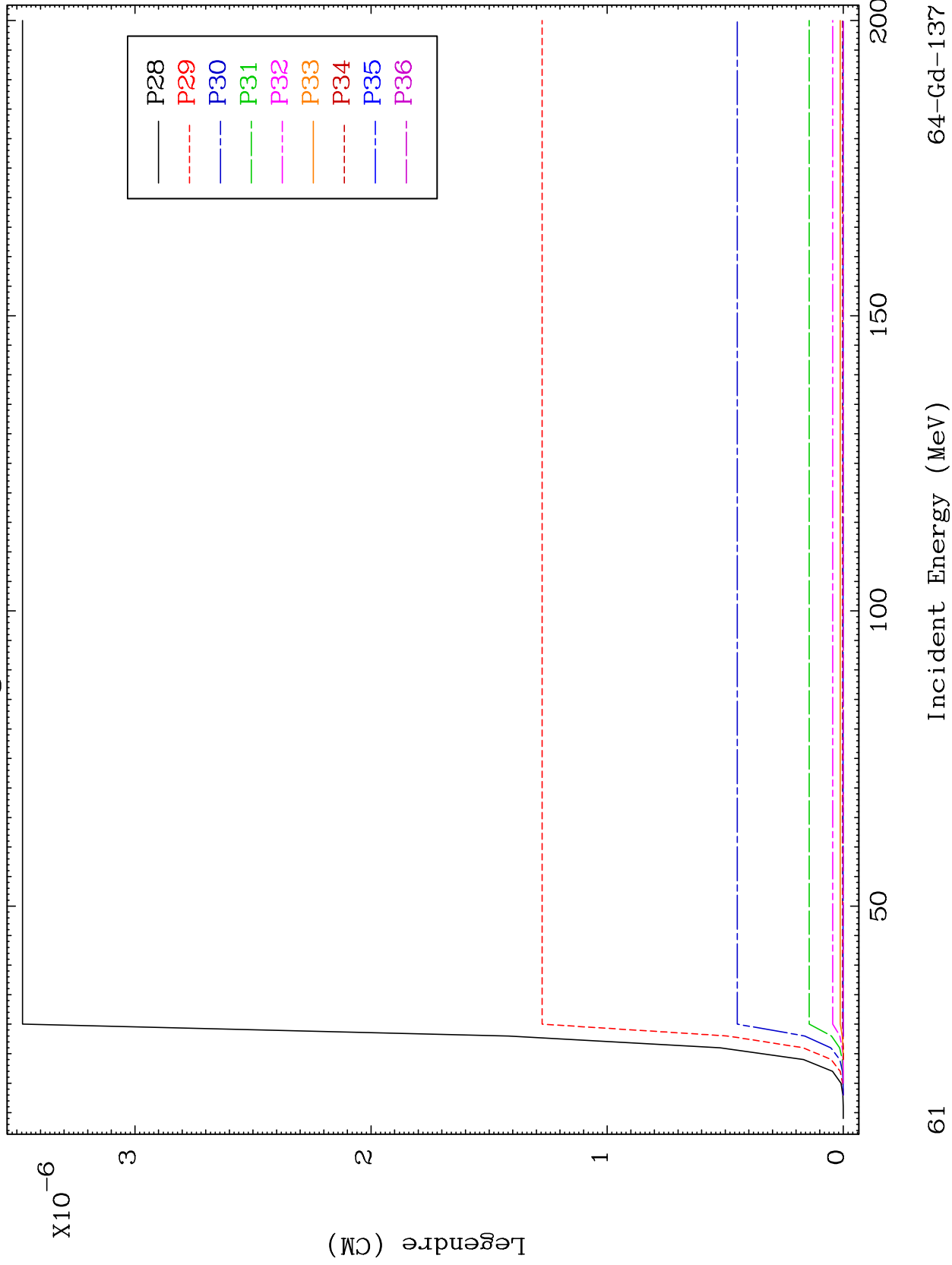
Incident Energy (MeV)

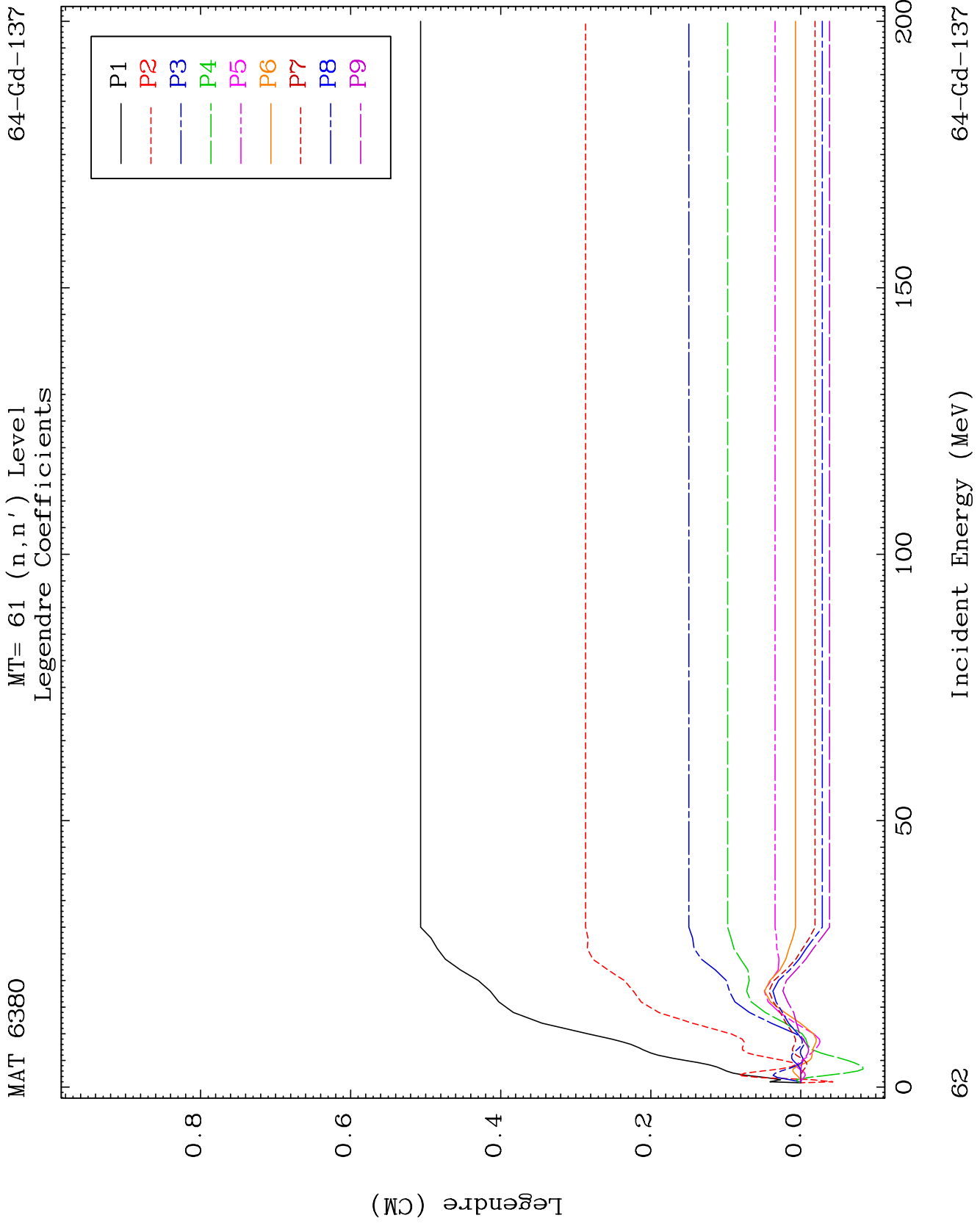
64-Gd-137

MAT 6380

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

64-Gd-137

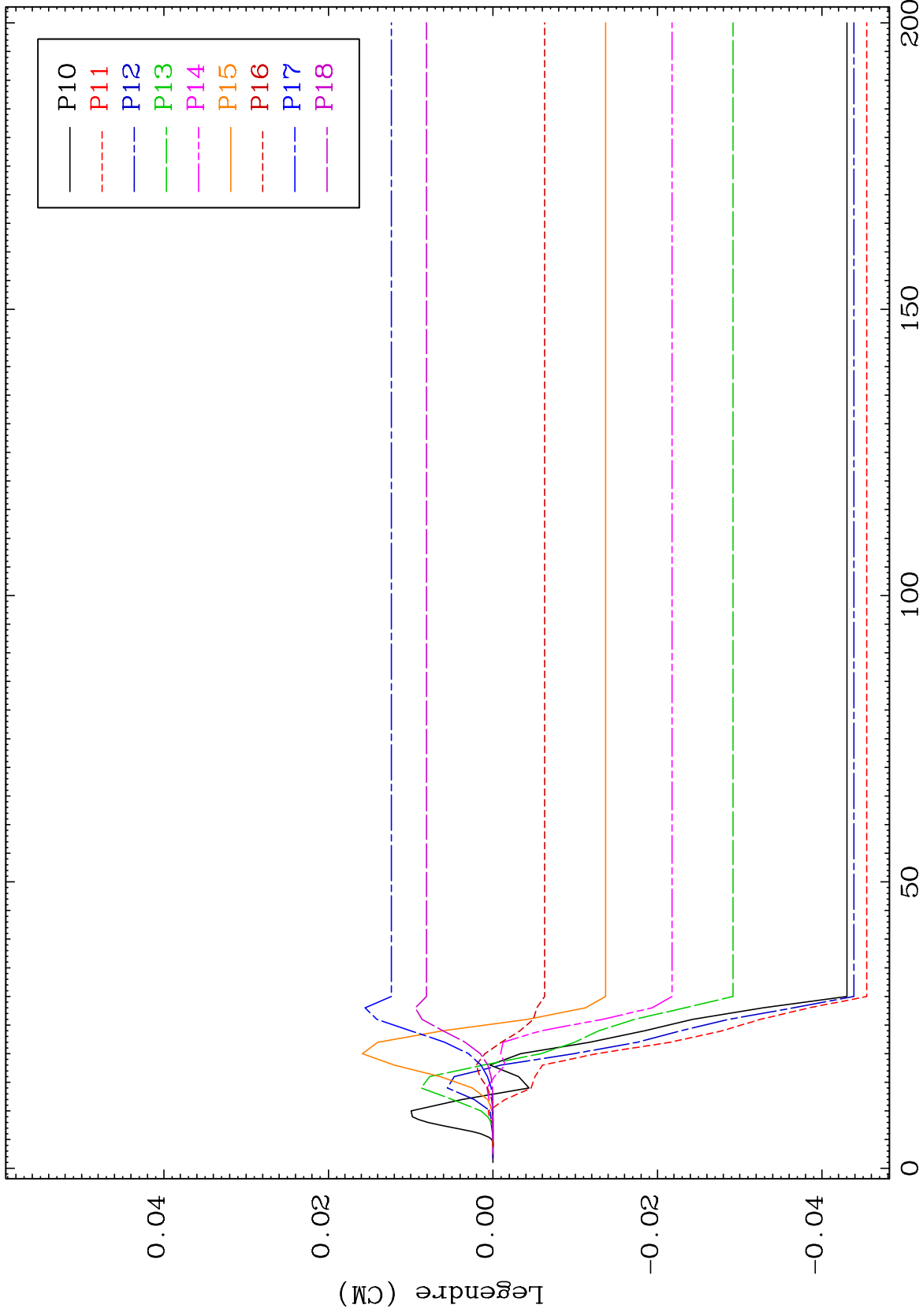




MAT 6380

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

64-Gd-137



63

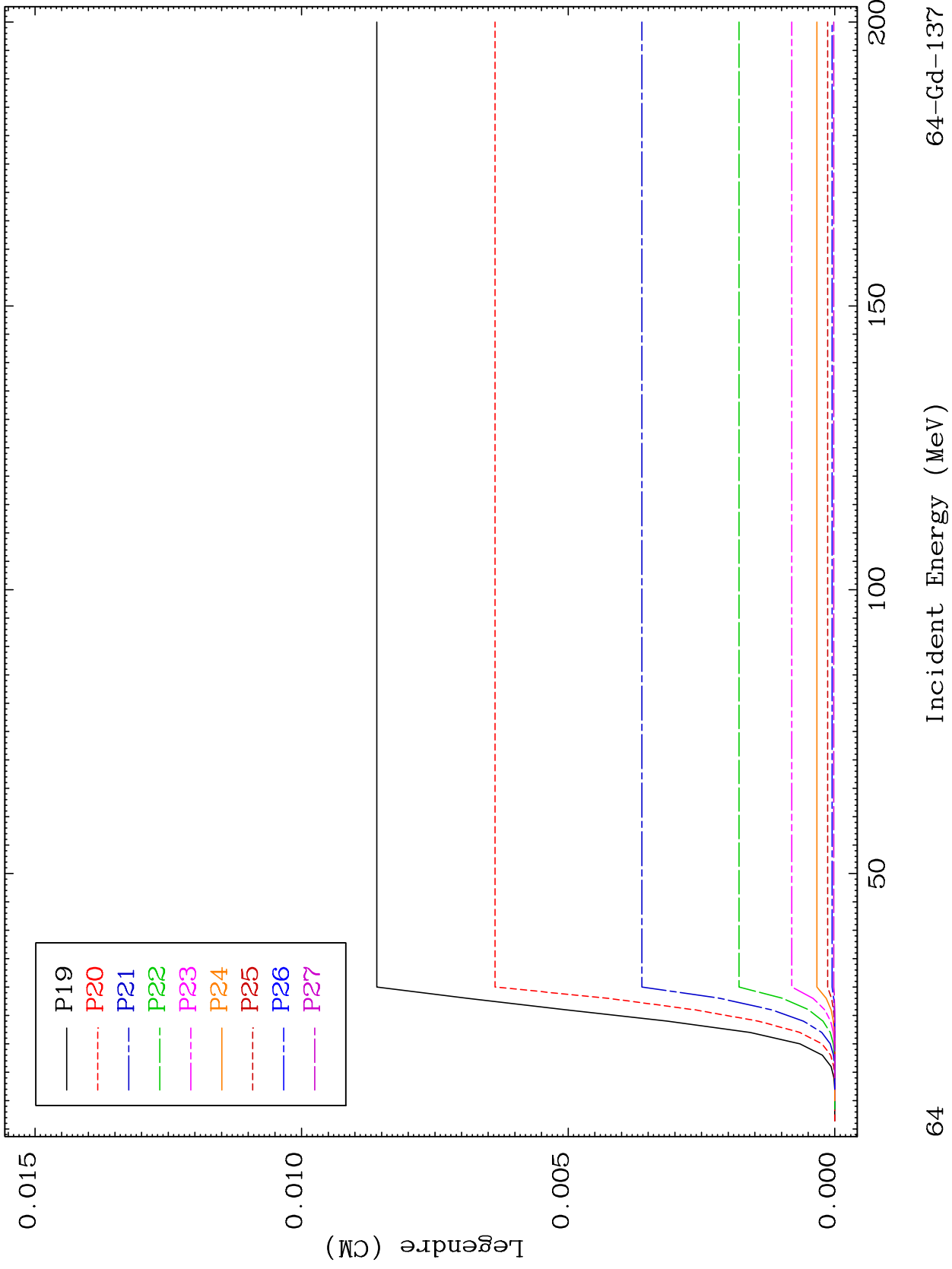
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



64

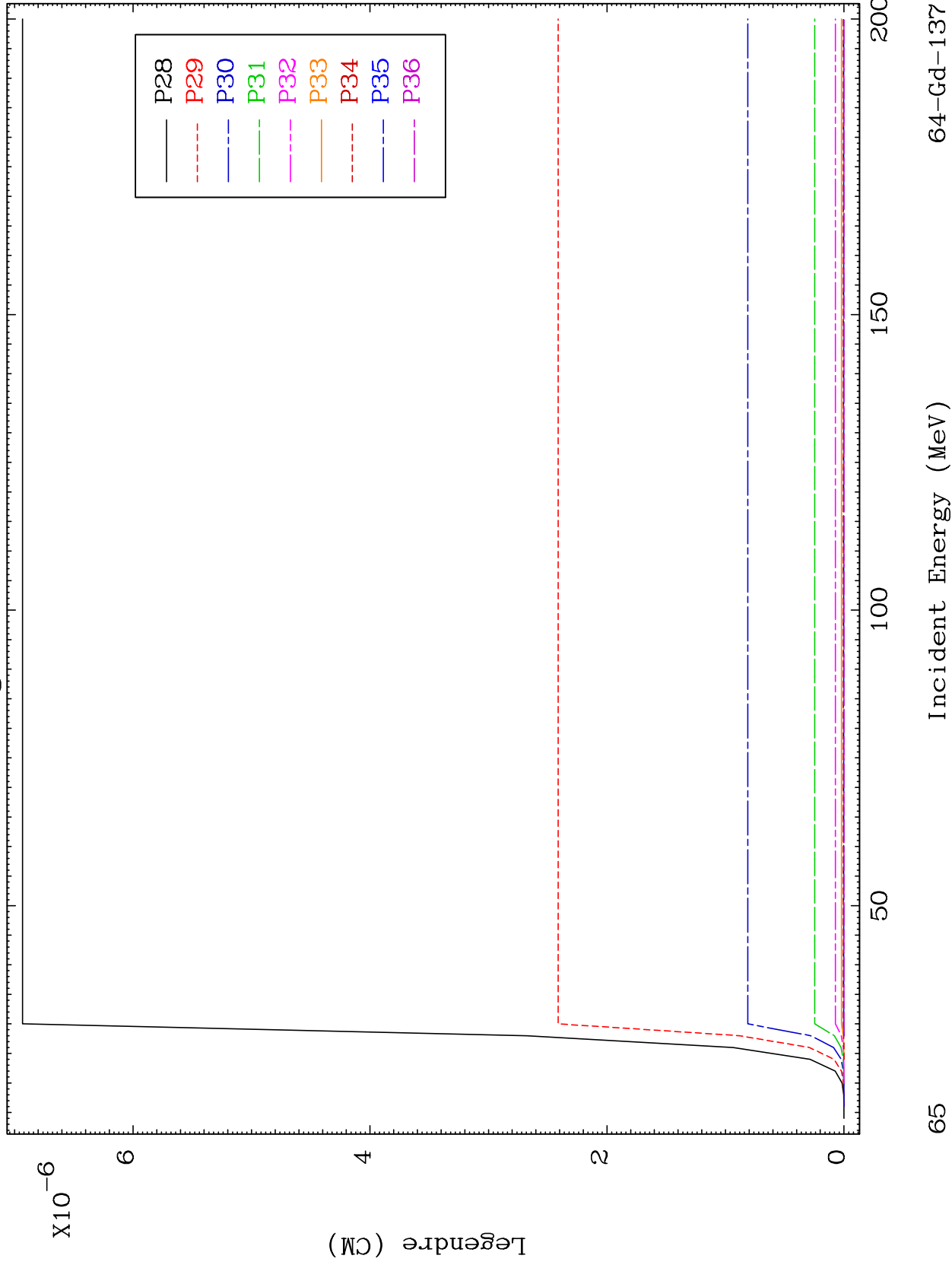
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



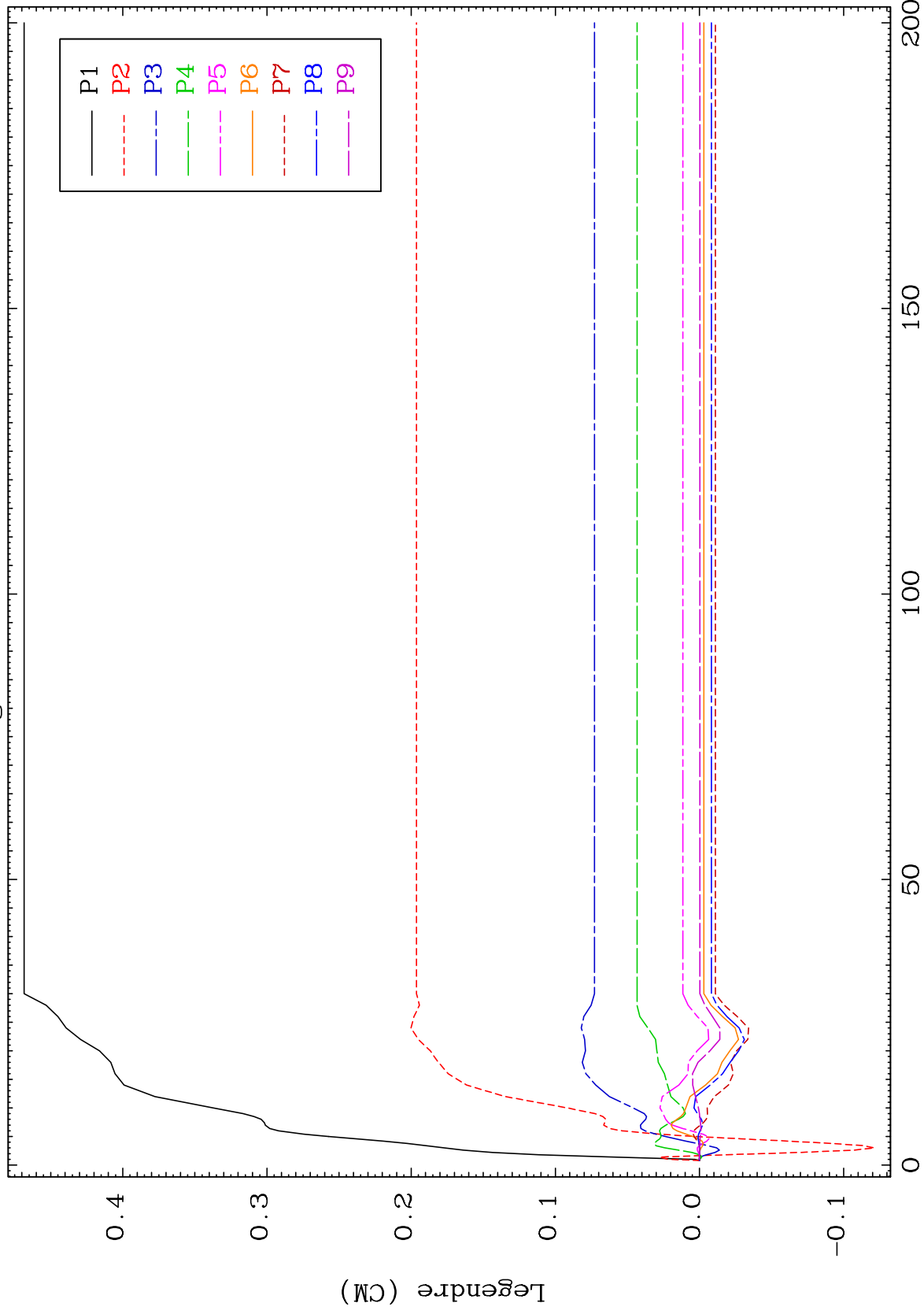
65

64-Gd-137

MAT 6380

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

64-Gd-137



64-Gd-137

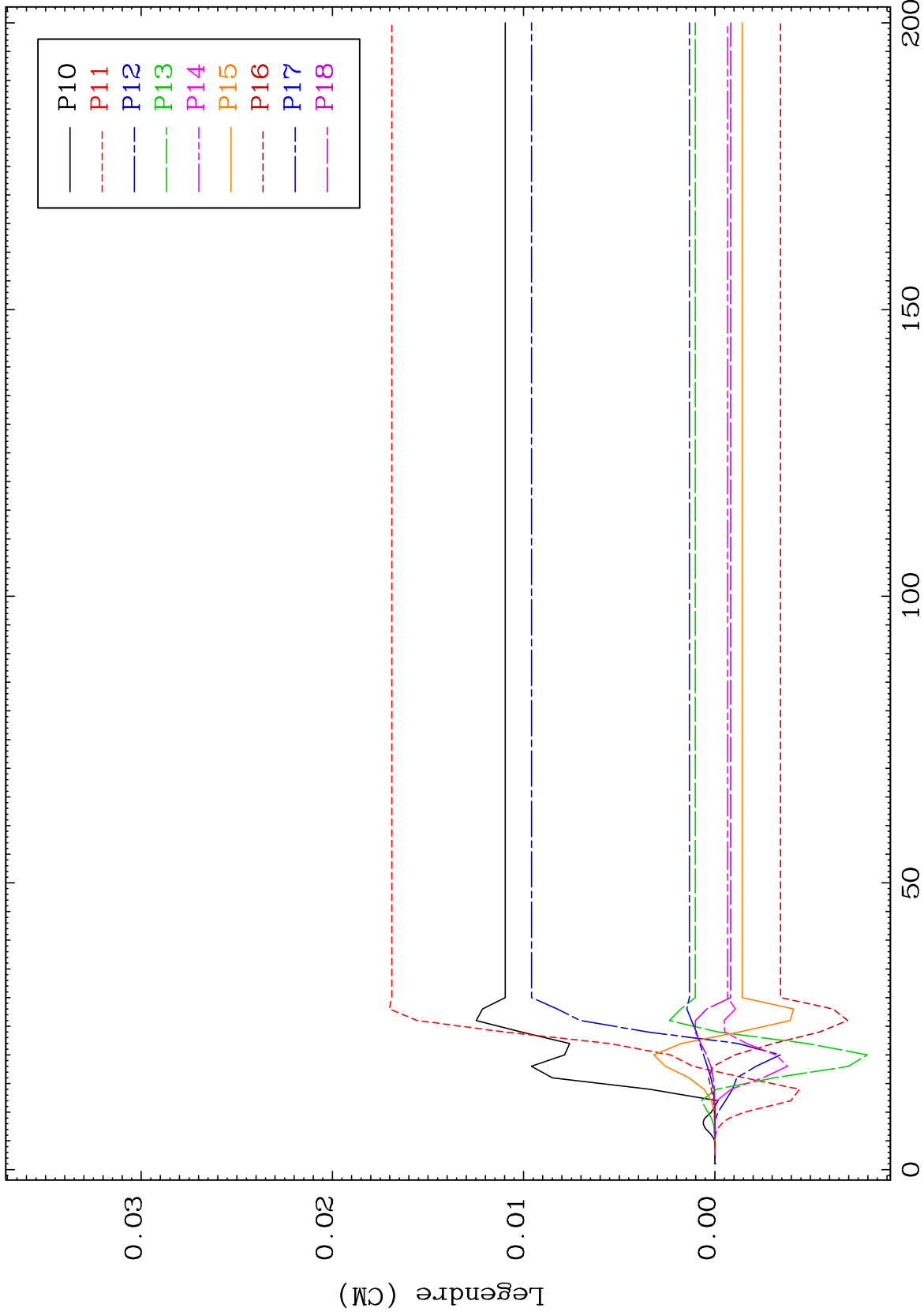
Incident Energy (MeV)

66

MAT 6380

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

64-Gd-137



67

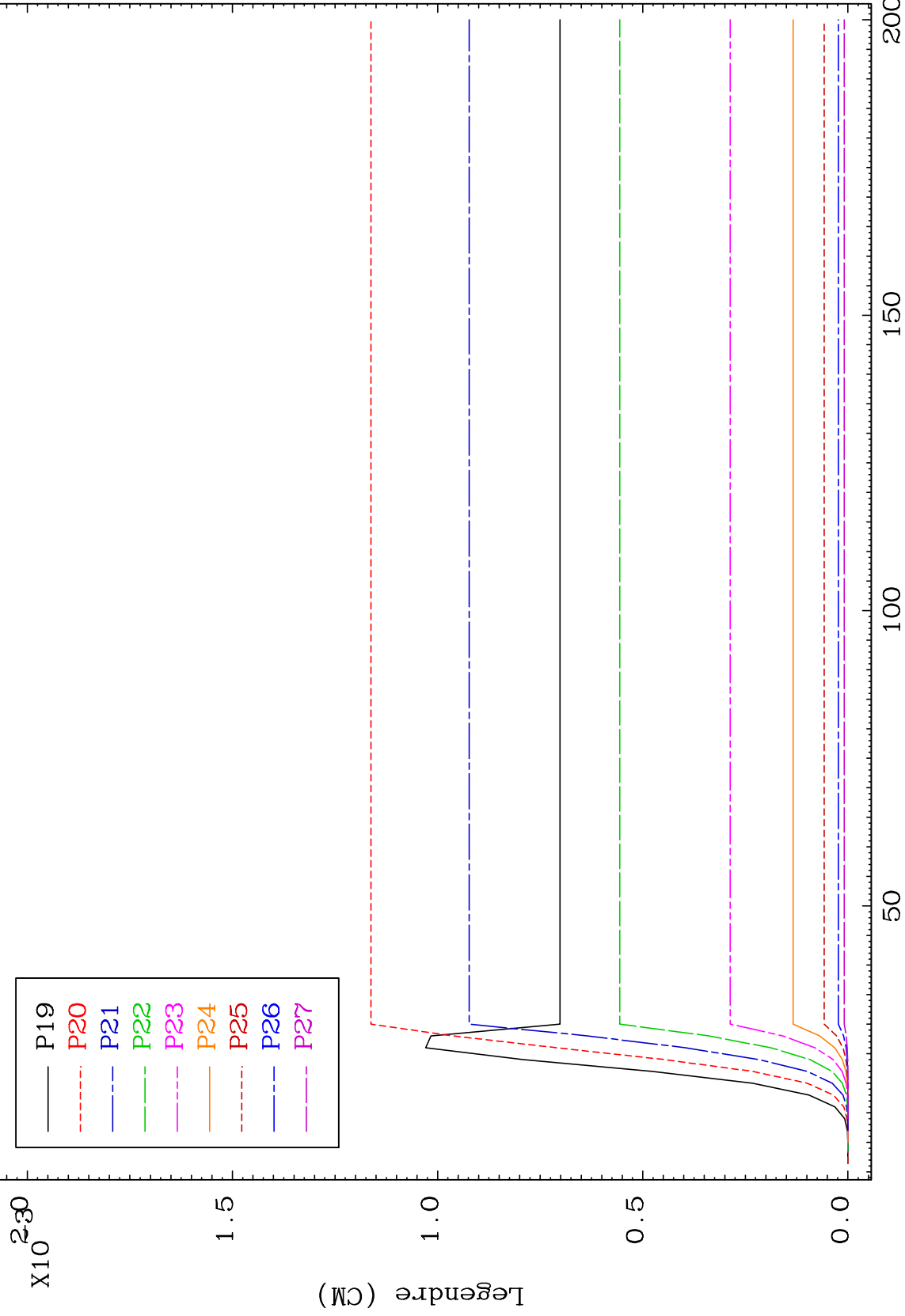
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



68

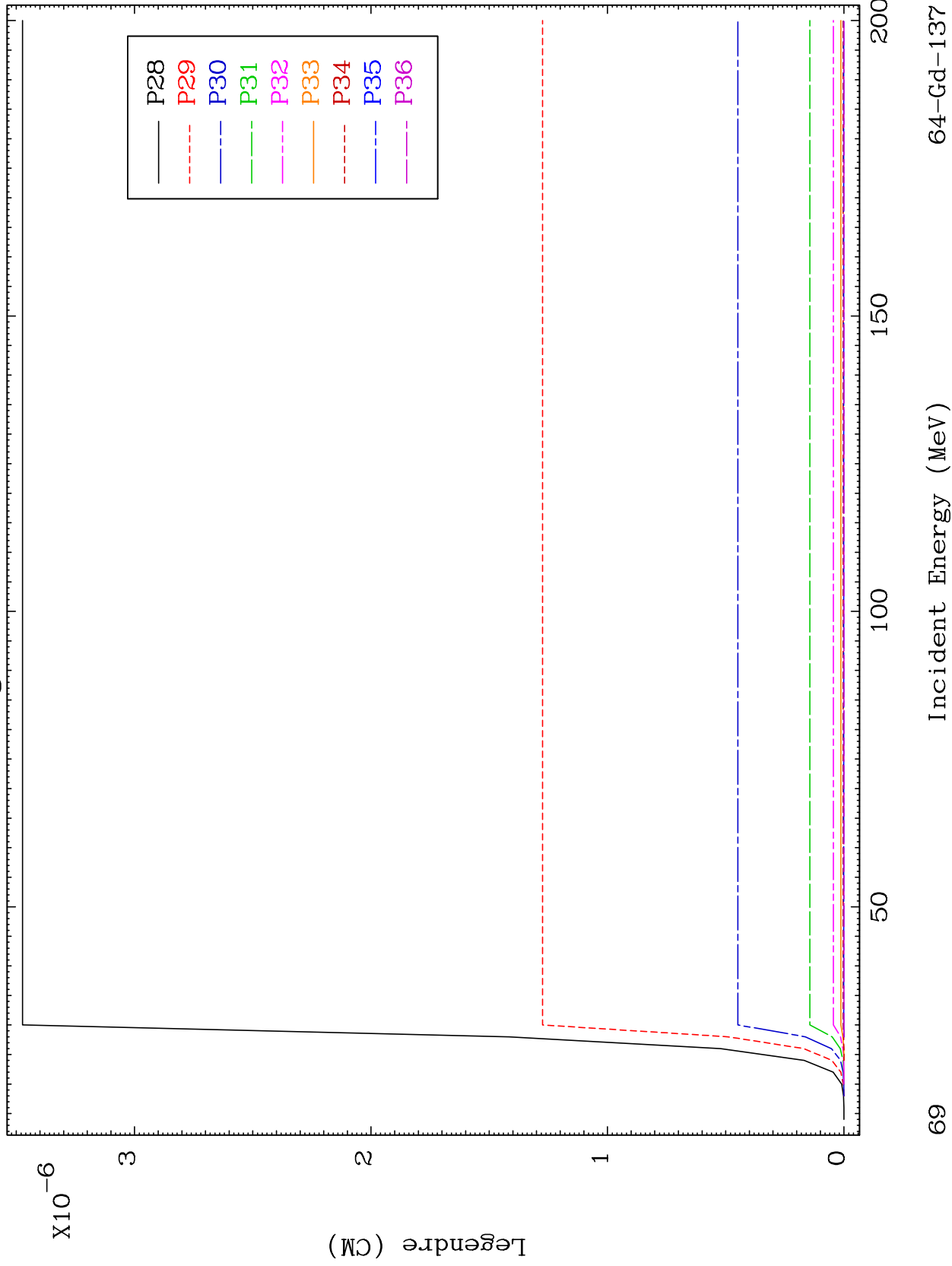
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

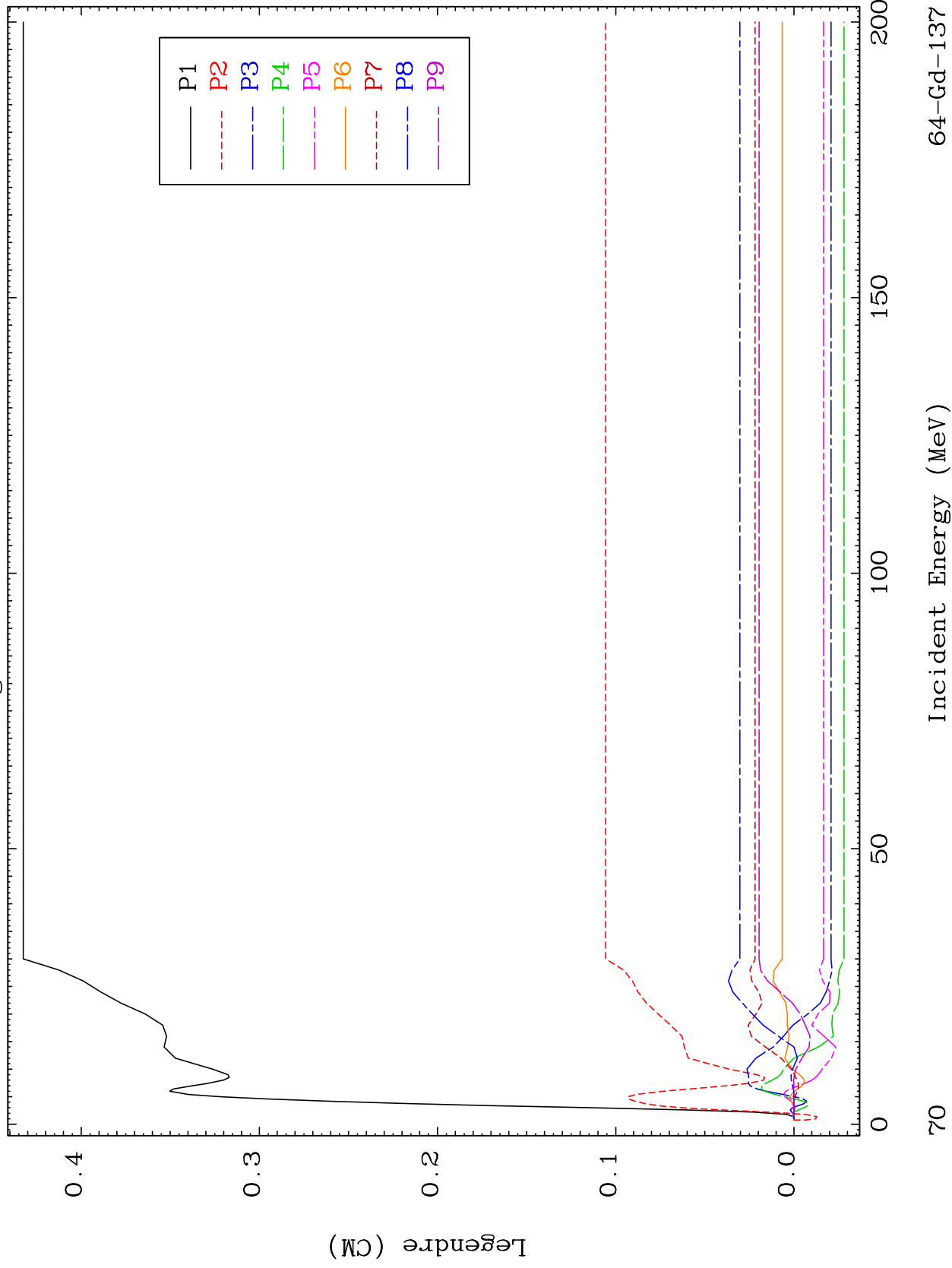
64-Gd-137



MAT 6380

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

64-Gd-137



64-Gd-137

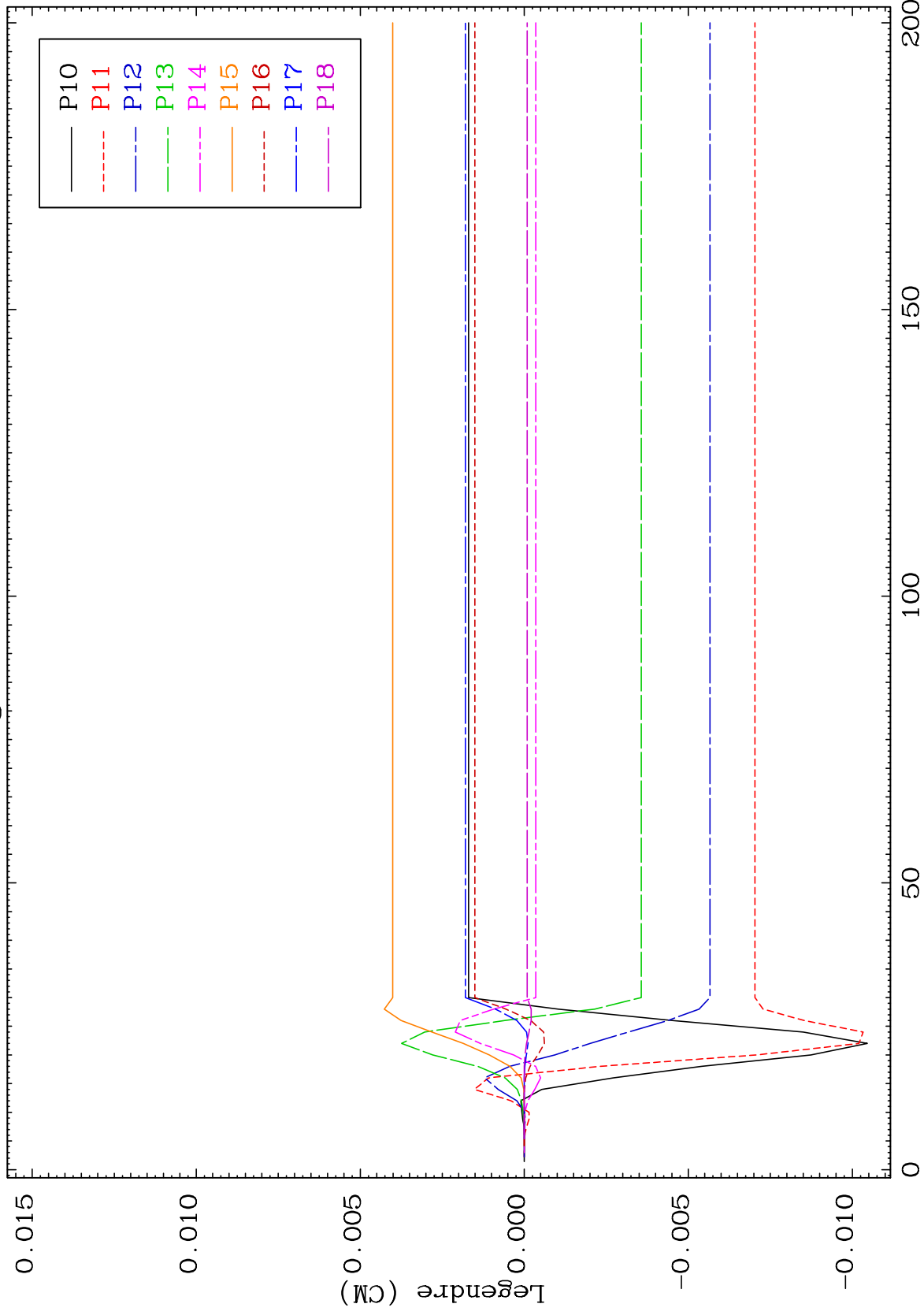
Incident Energy (MeV)

70

MAT 6380

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

64-Gd-137



71

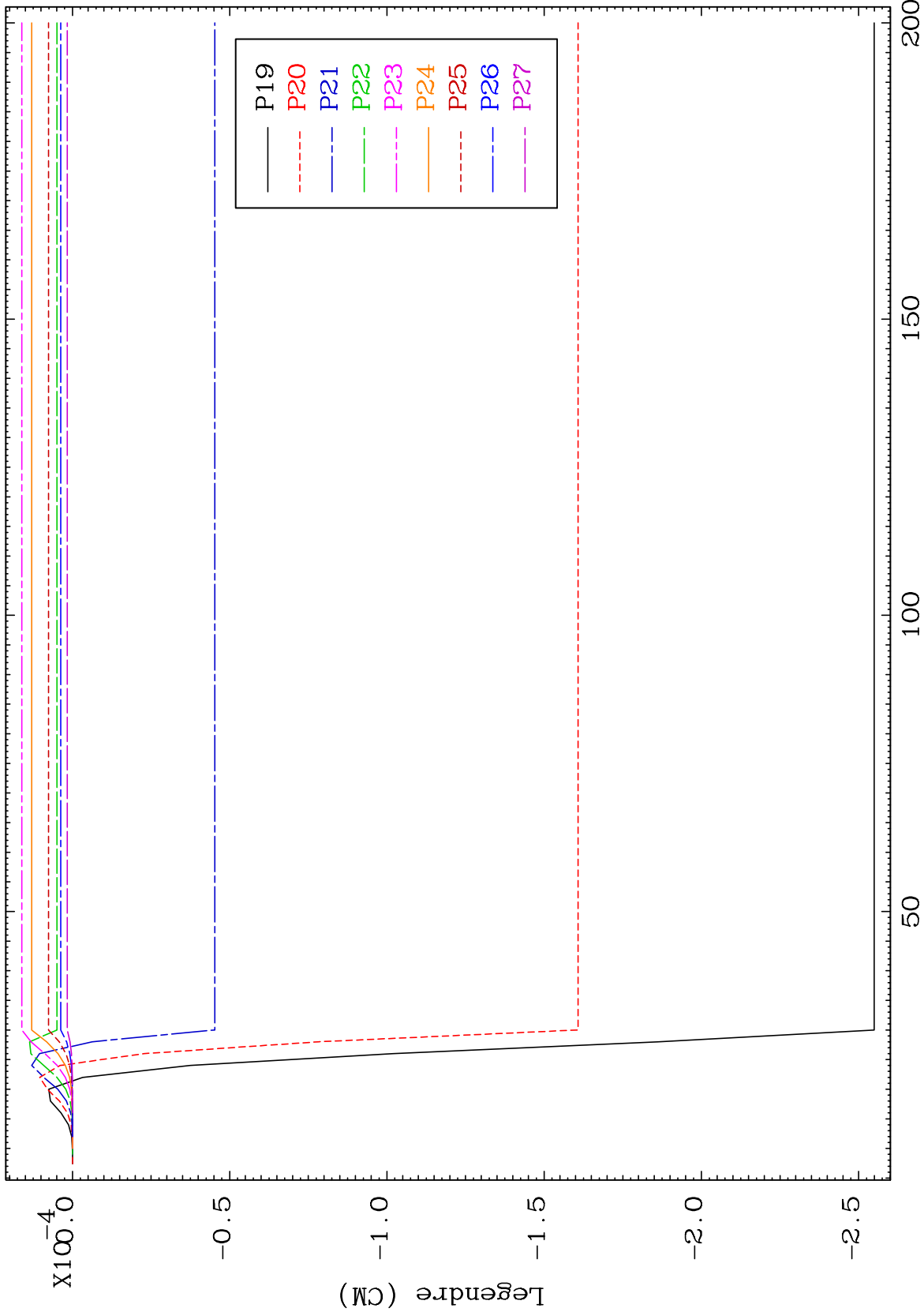
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



72

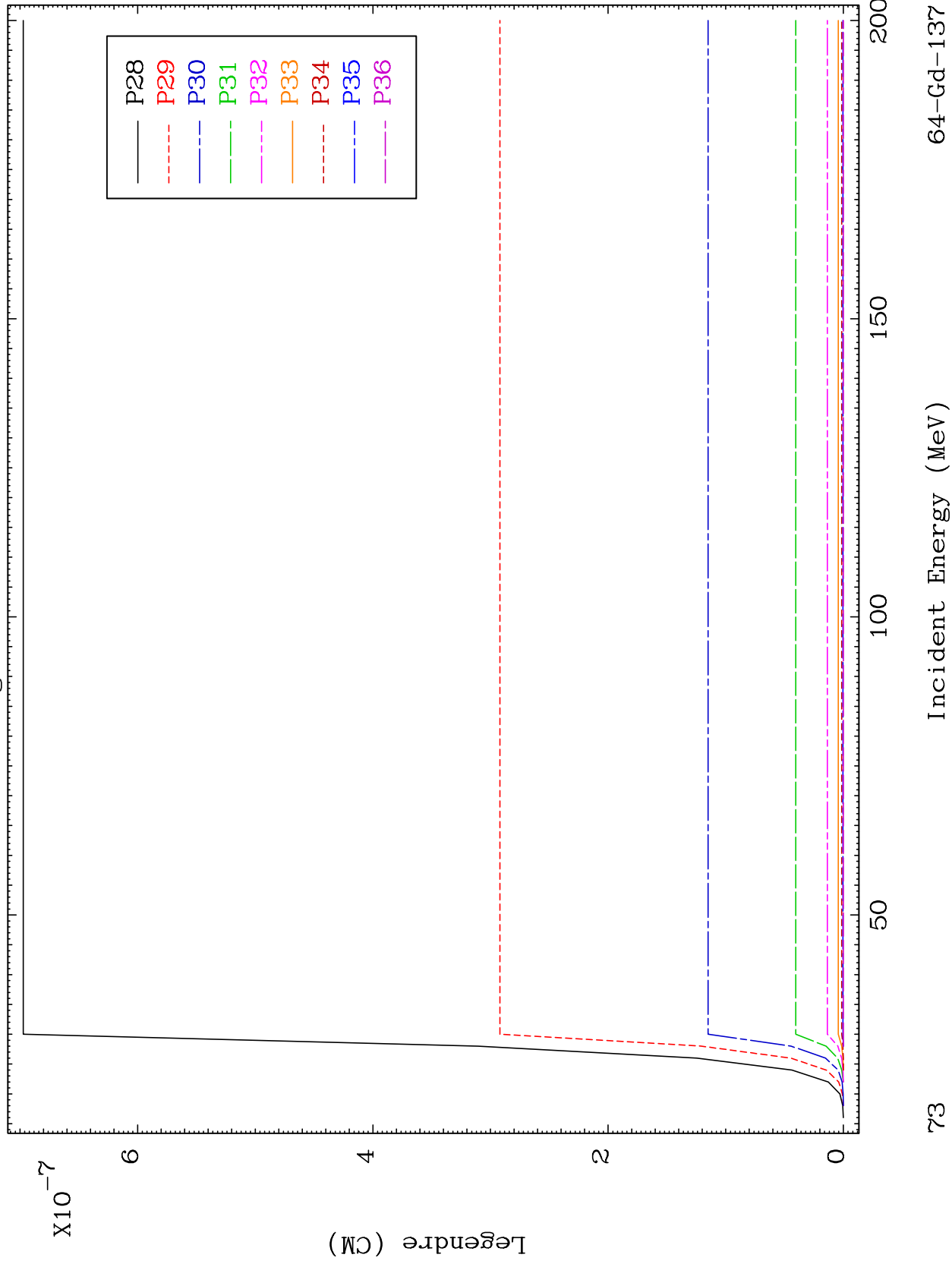
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

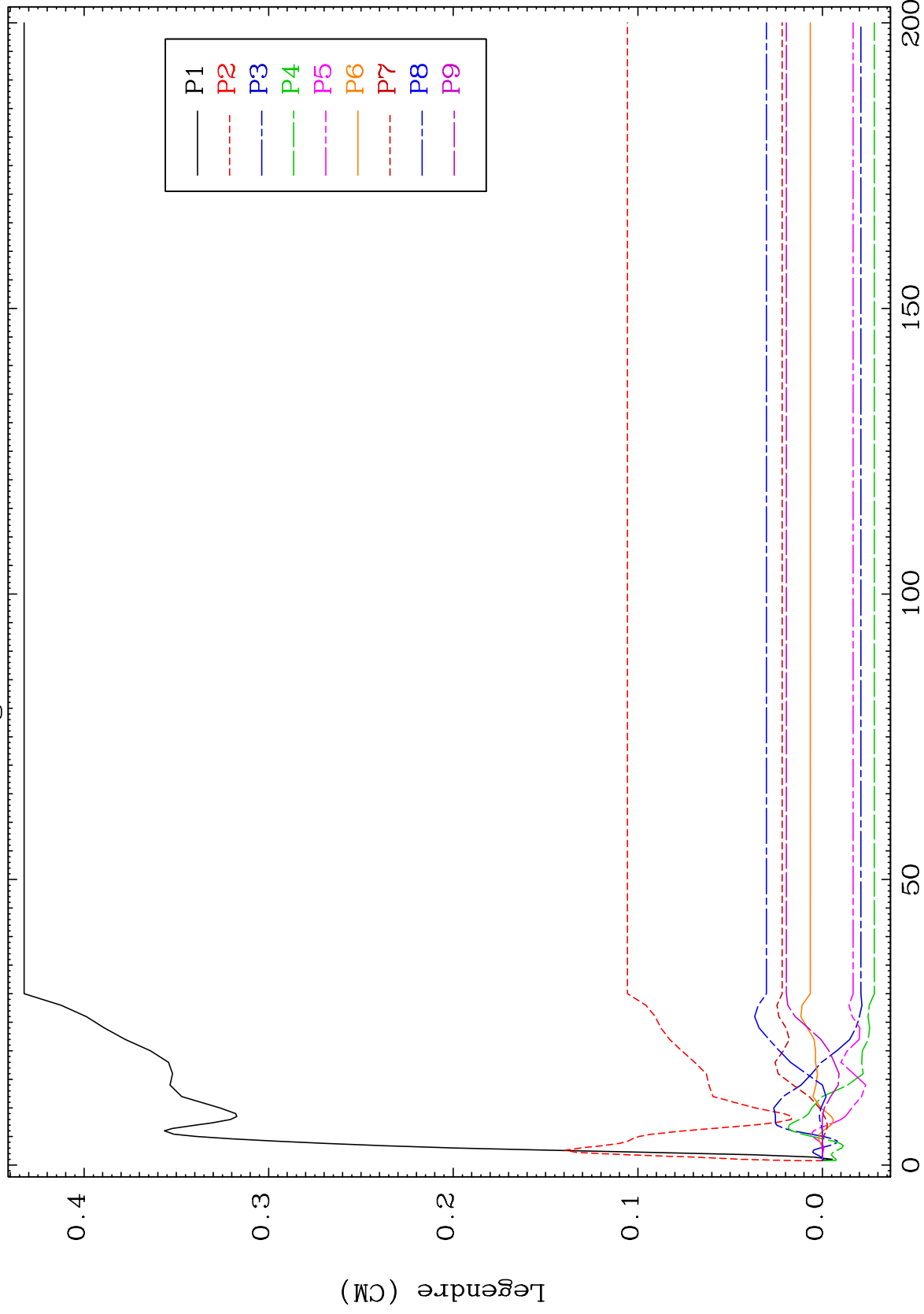
64-Gd-137



MAT 6380

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

64-Gd-137



74

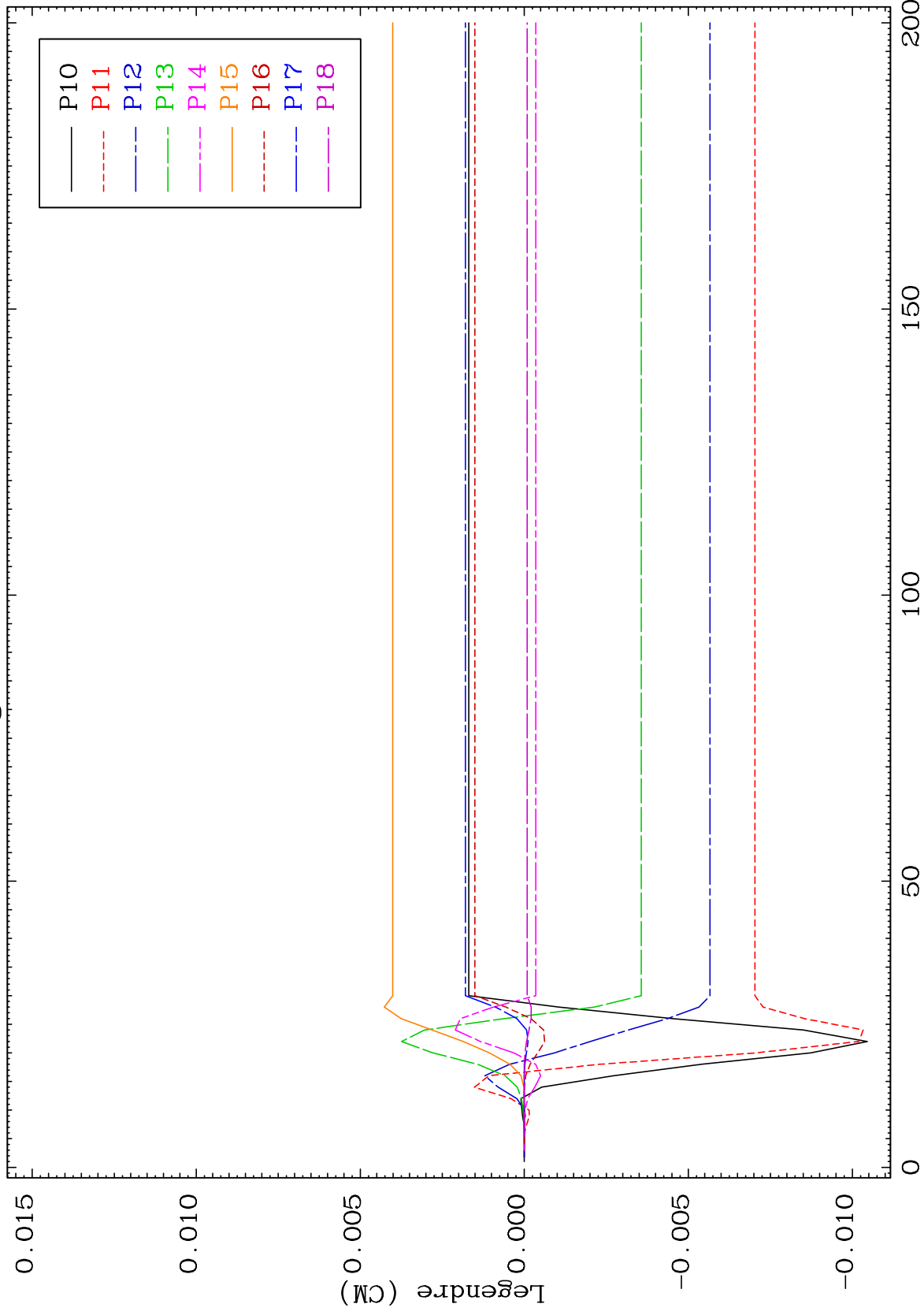
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



75

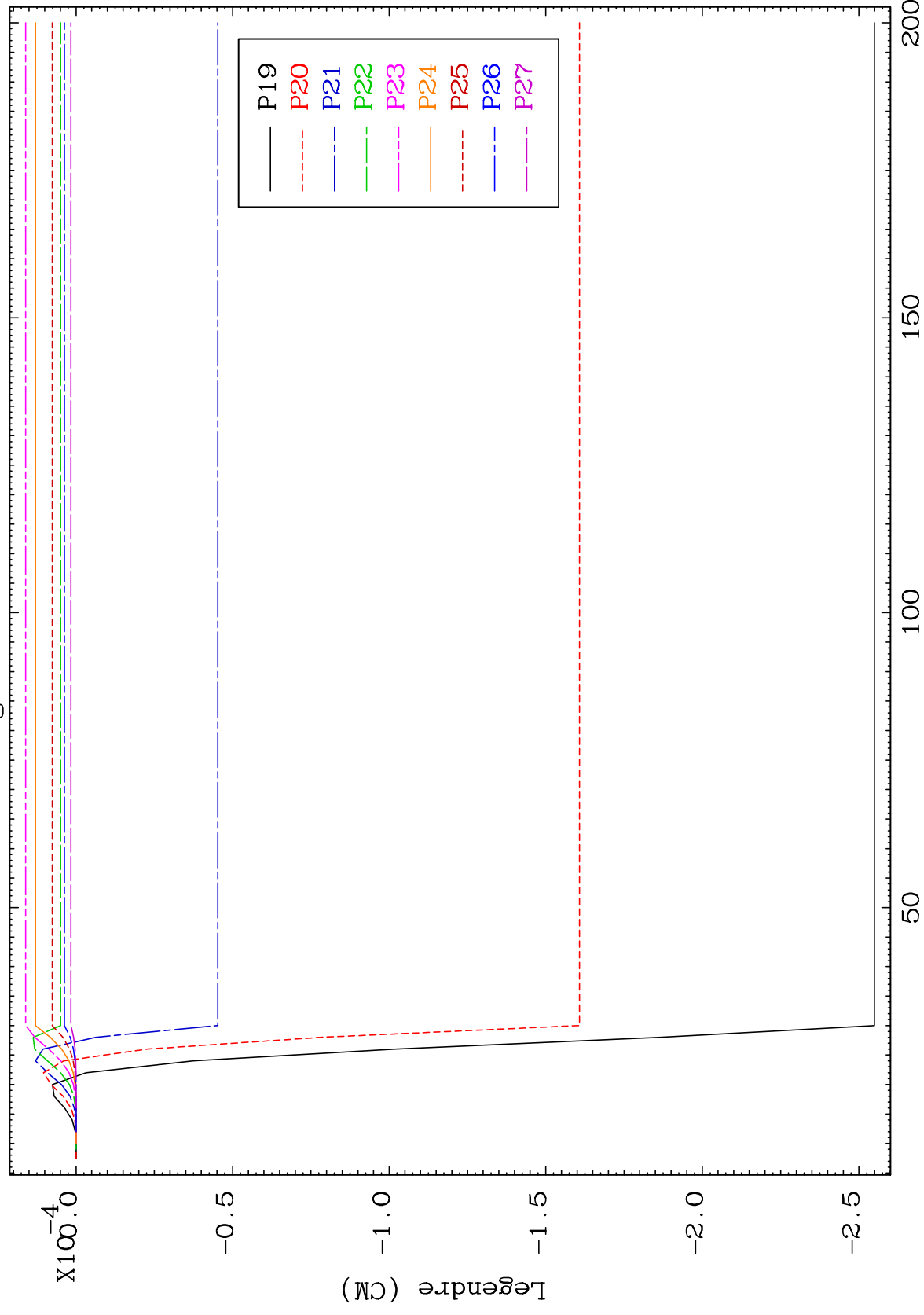
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



76

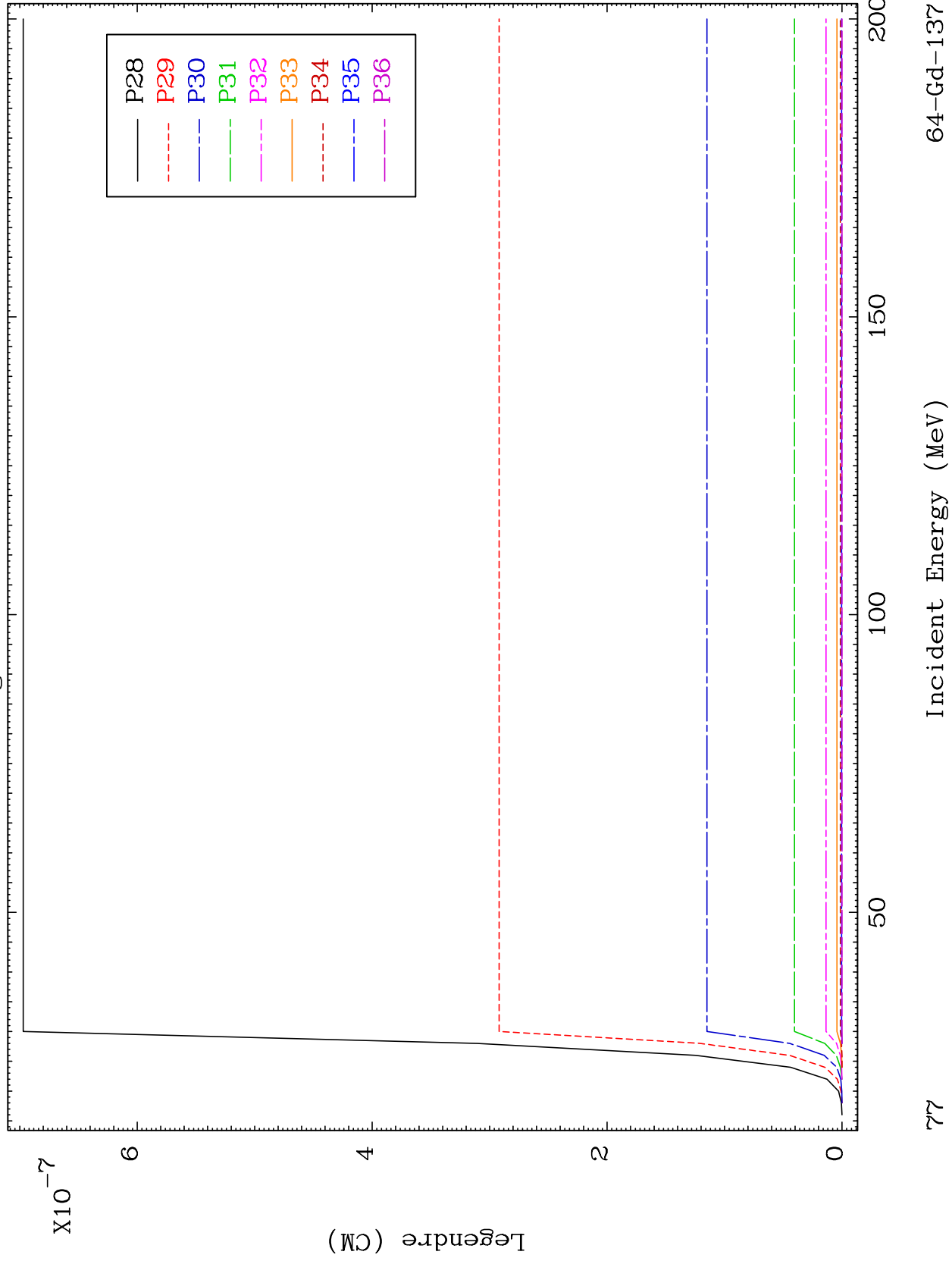
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137

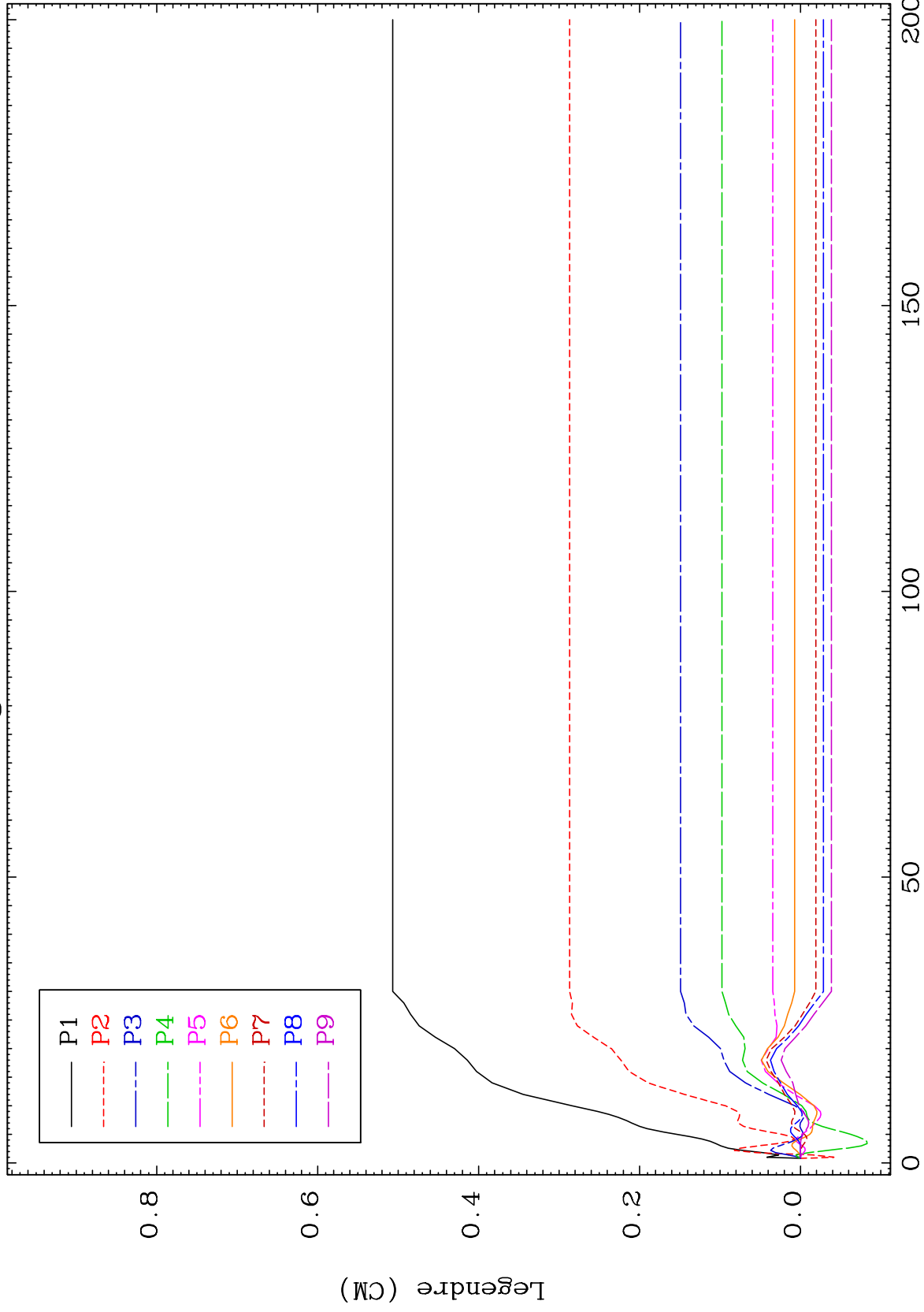


77

MAT 6380

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

64-Gd-137



78

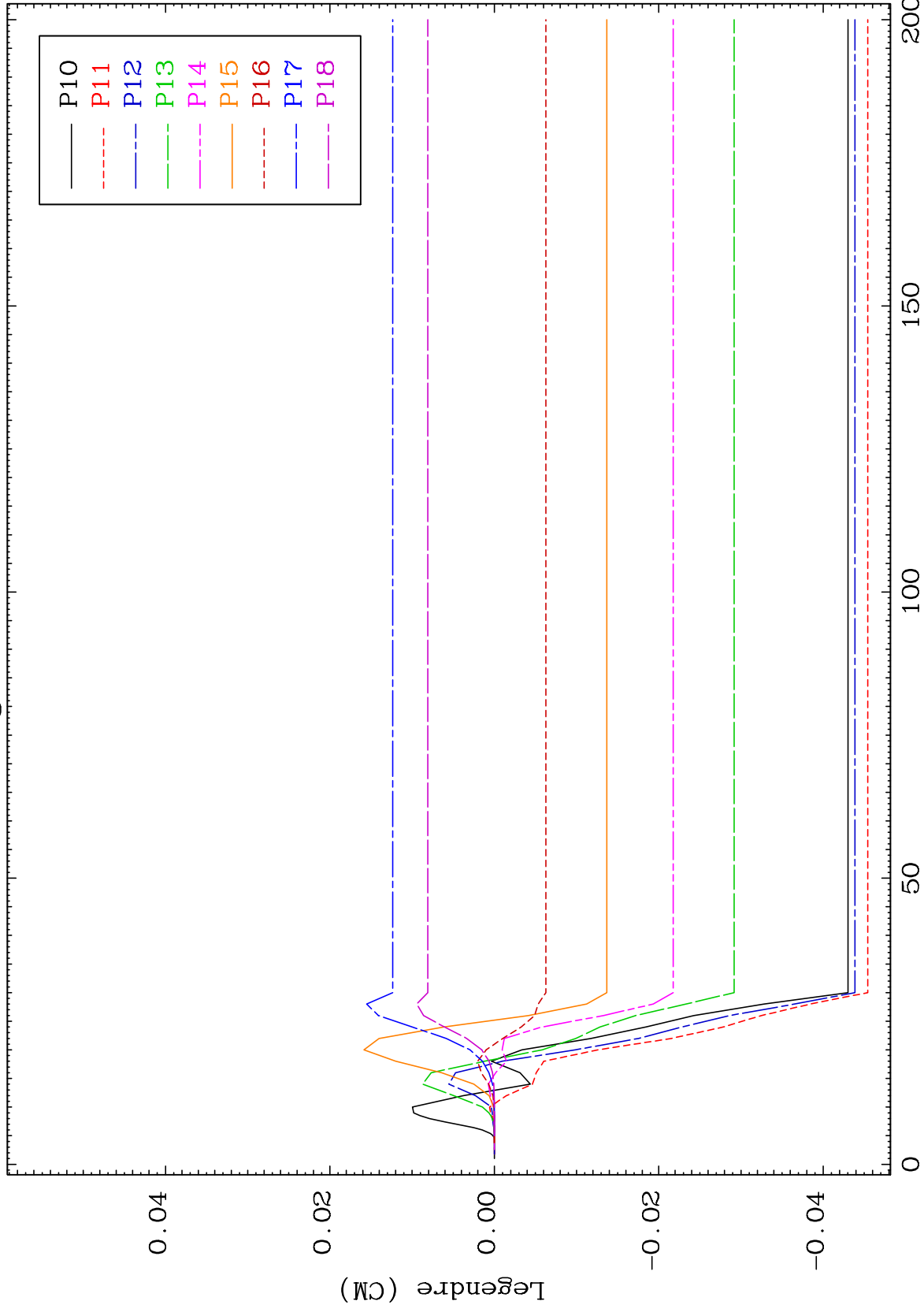
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



79

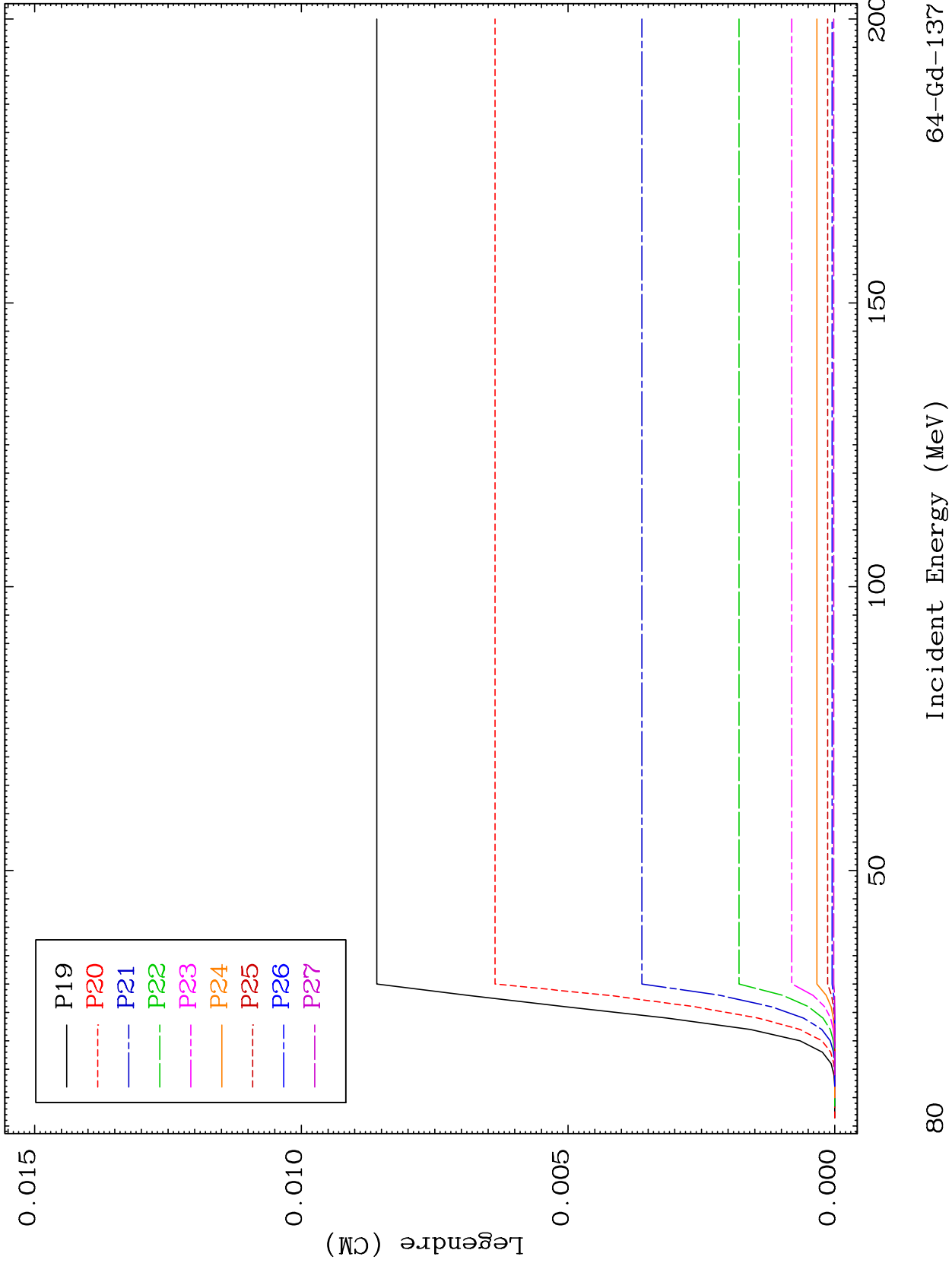
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



64-Gd-137

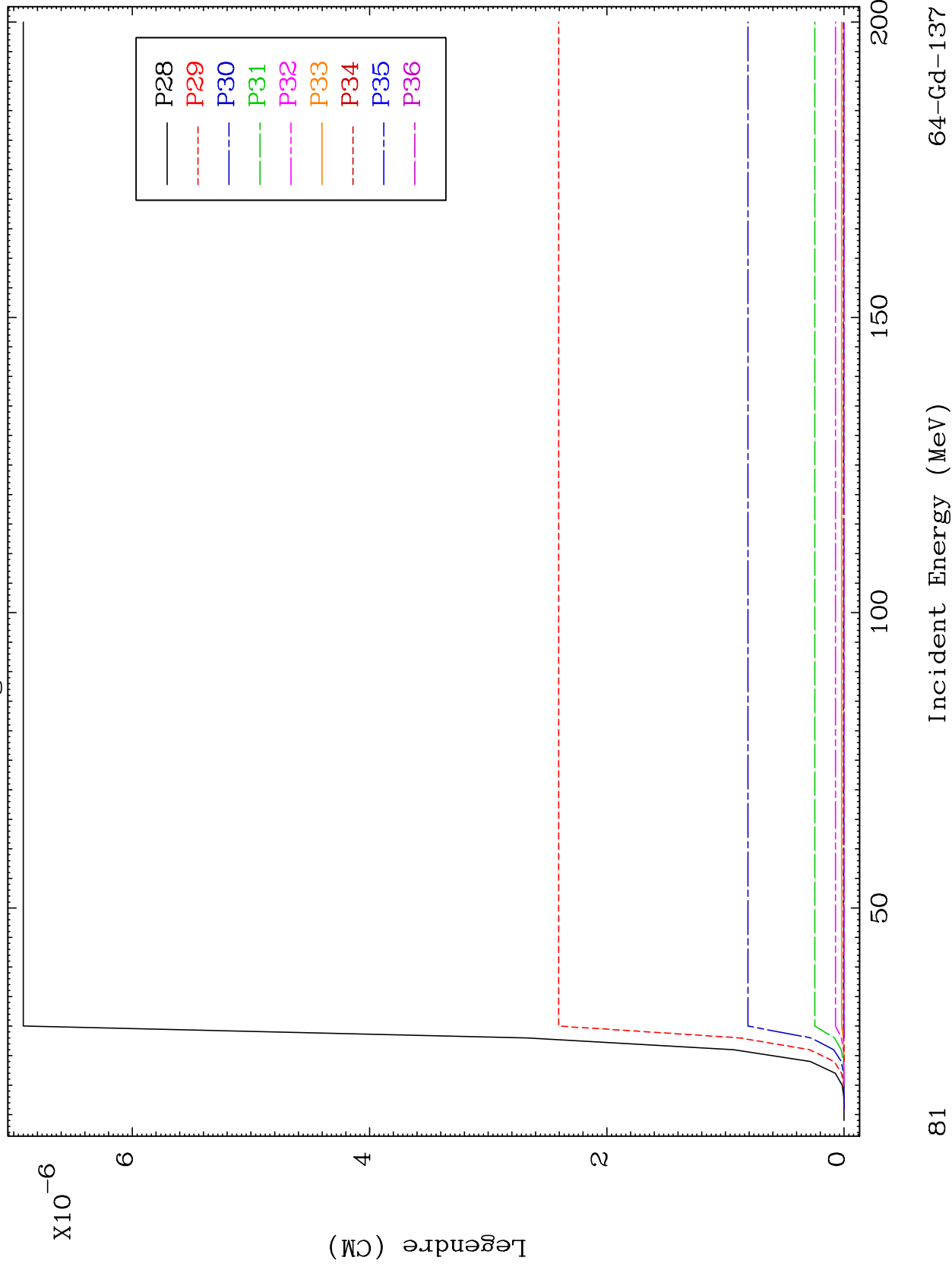
Incident Energy (MeV)

80

MAT 6380

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

64-Gd-137



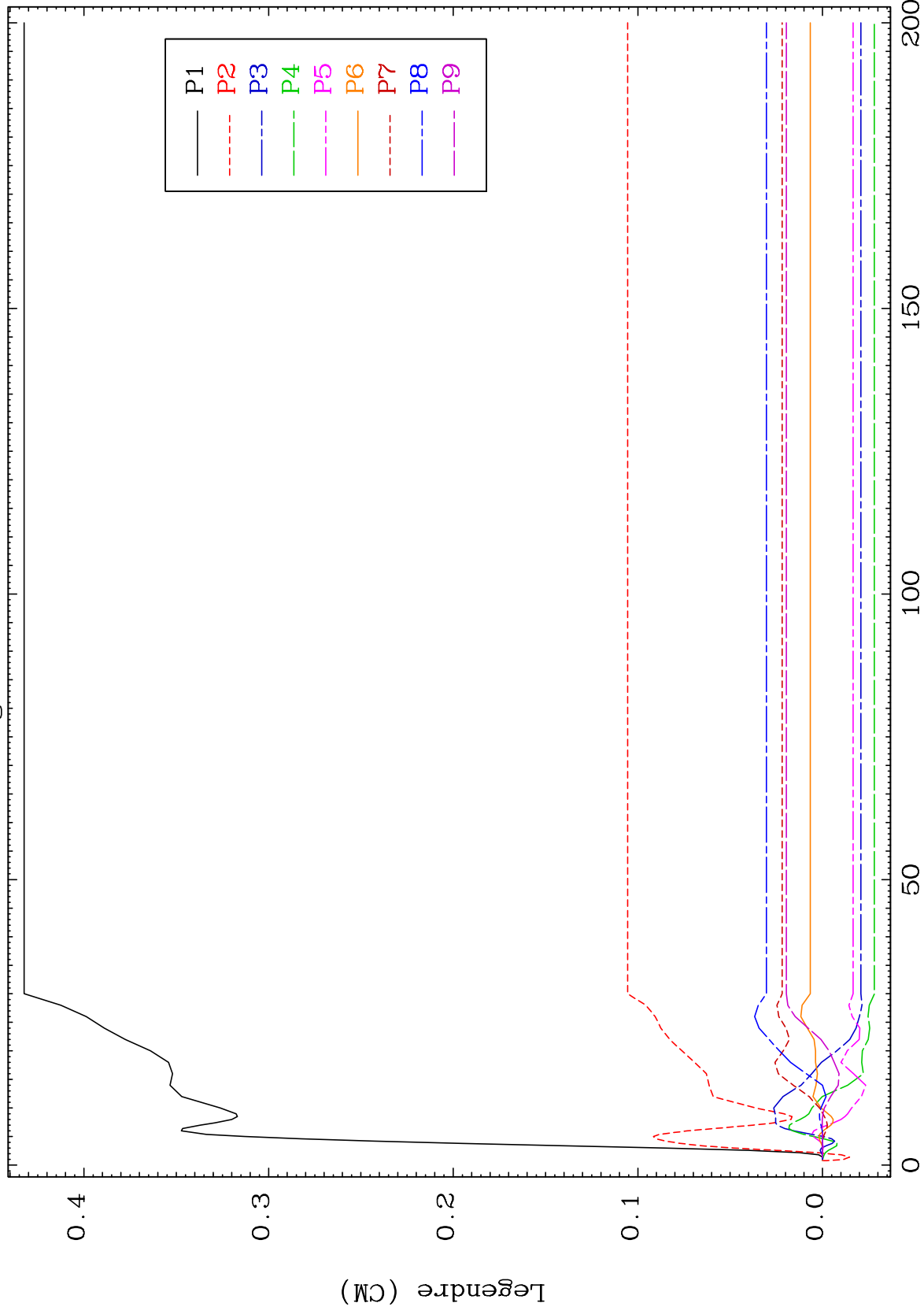
81

64-Gd-137

MAT 6380

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

64-Gd-137



82

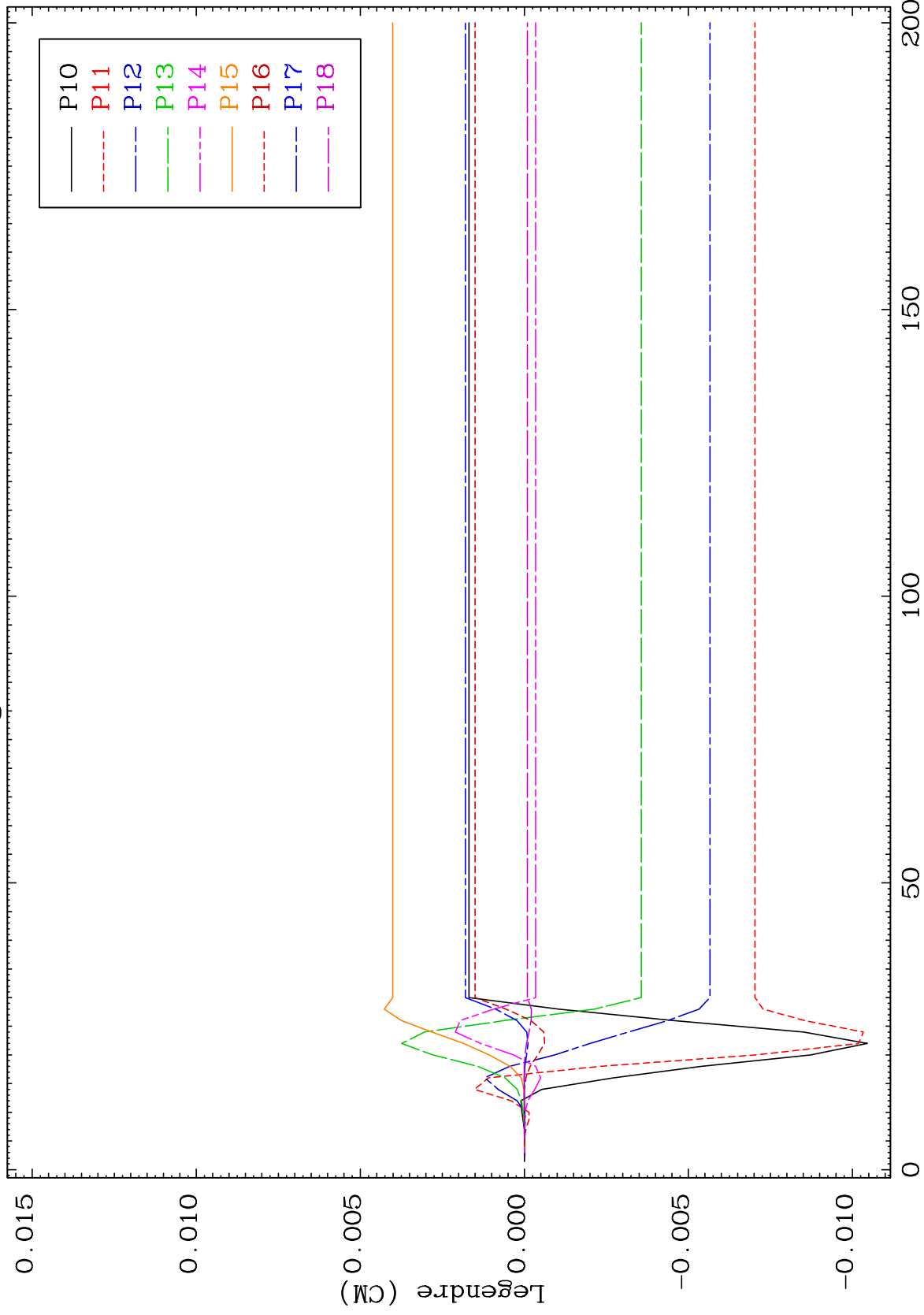
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



83

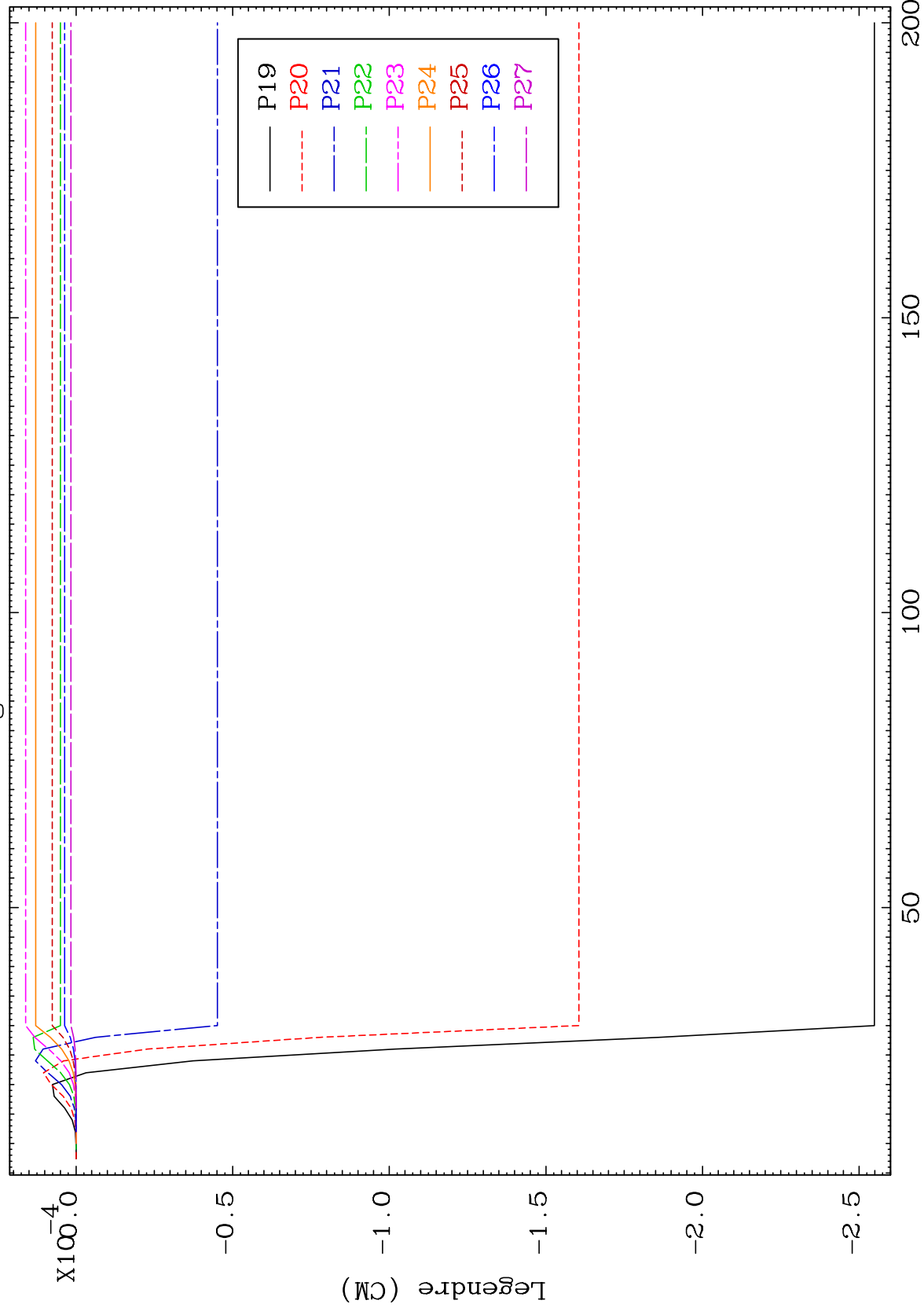
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

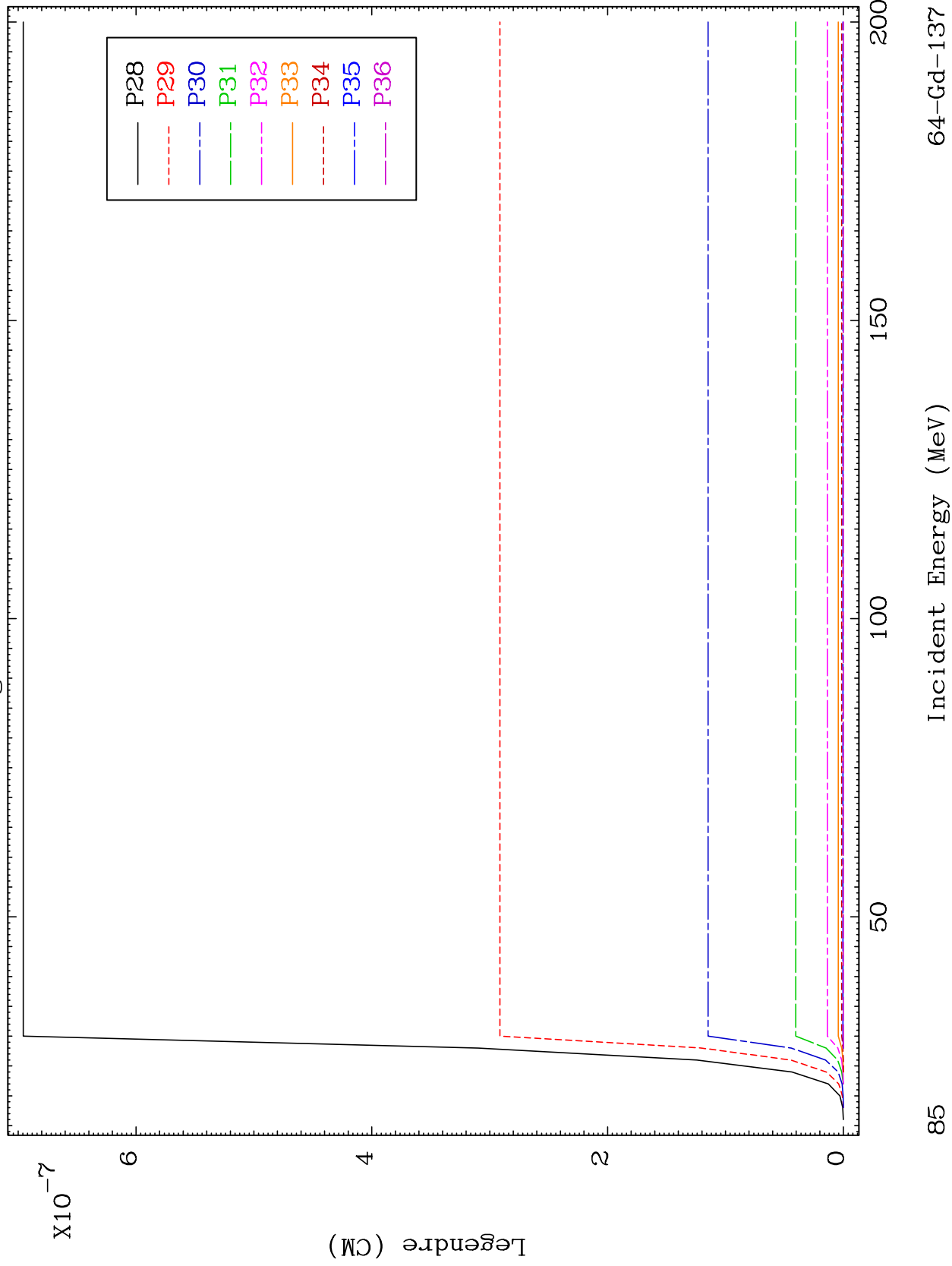
64-Gd-137



MAT 6380

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

64-Gd-137



64-Gd-137

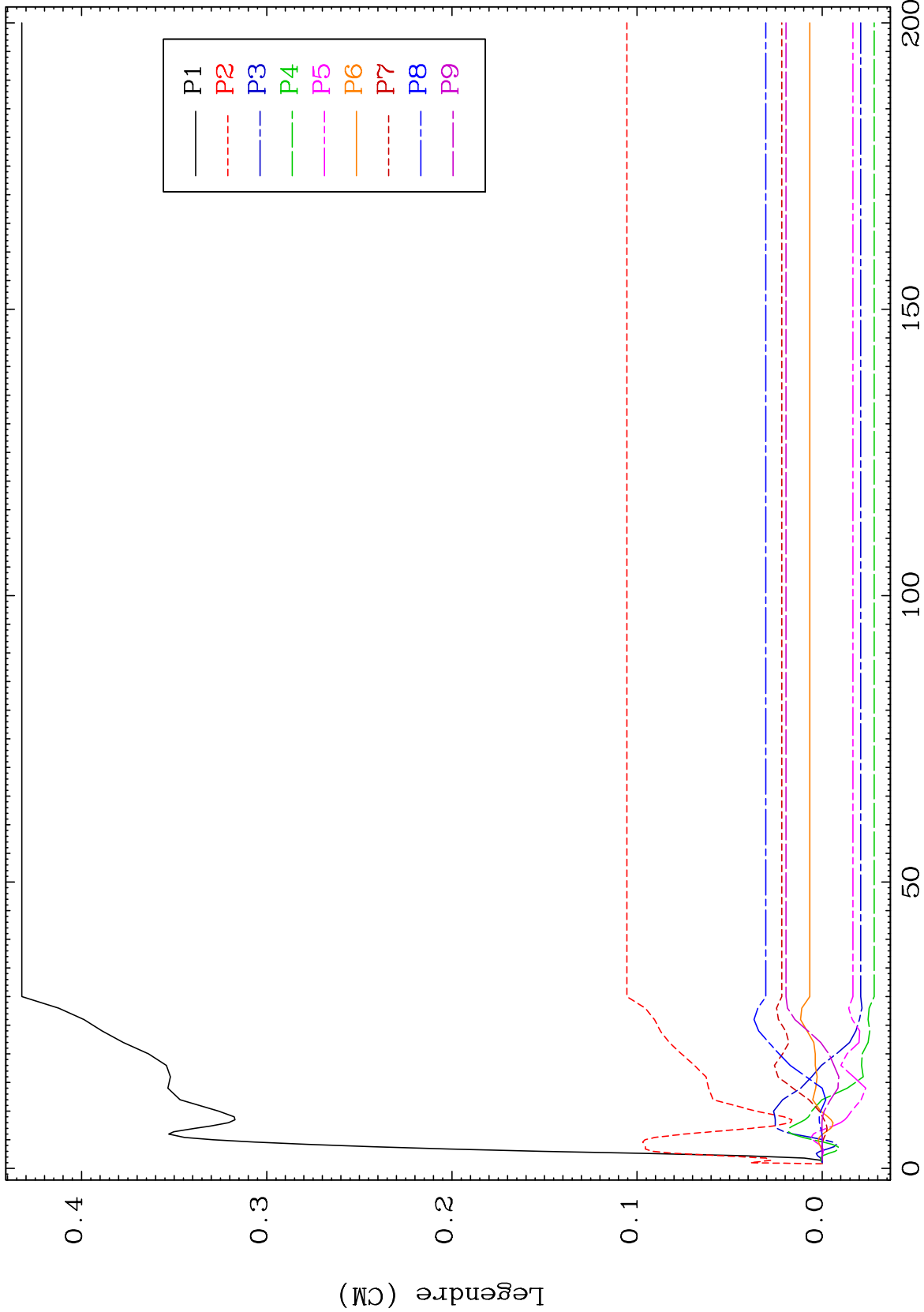
Incident Energy (MeV)

85

MAT 6380

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

64-Gd-137



86

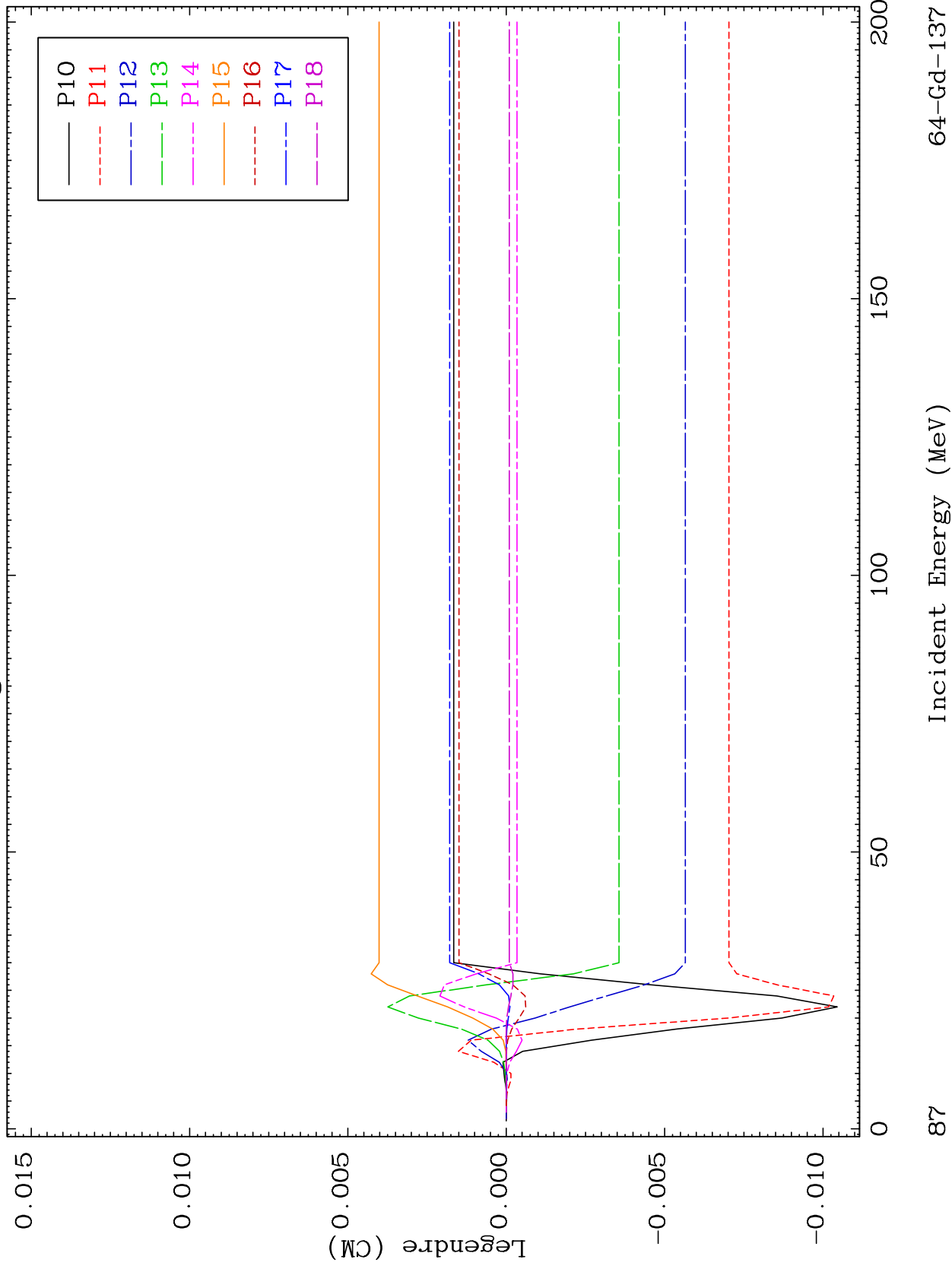
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

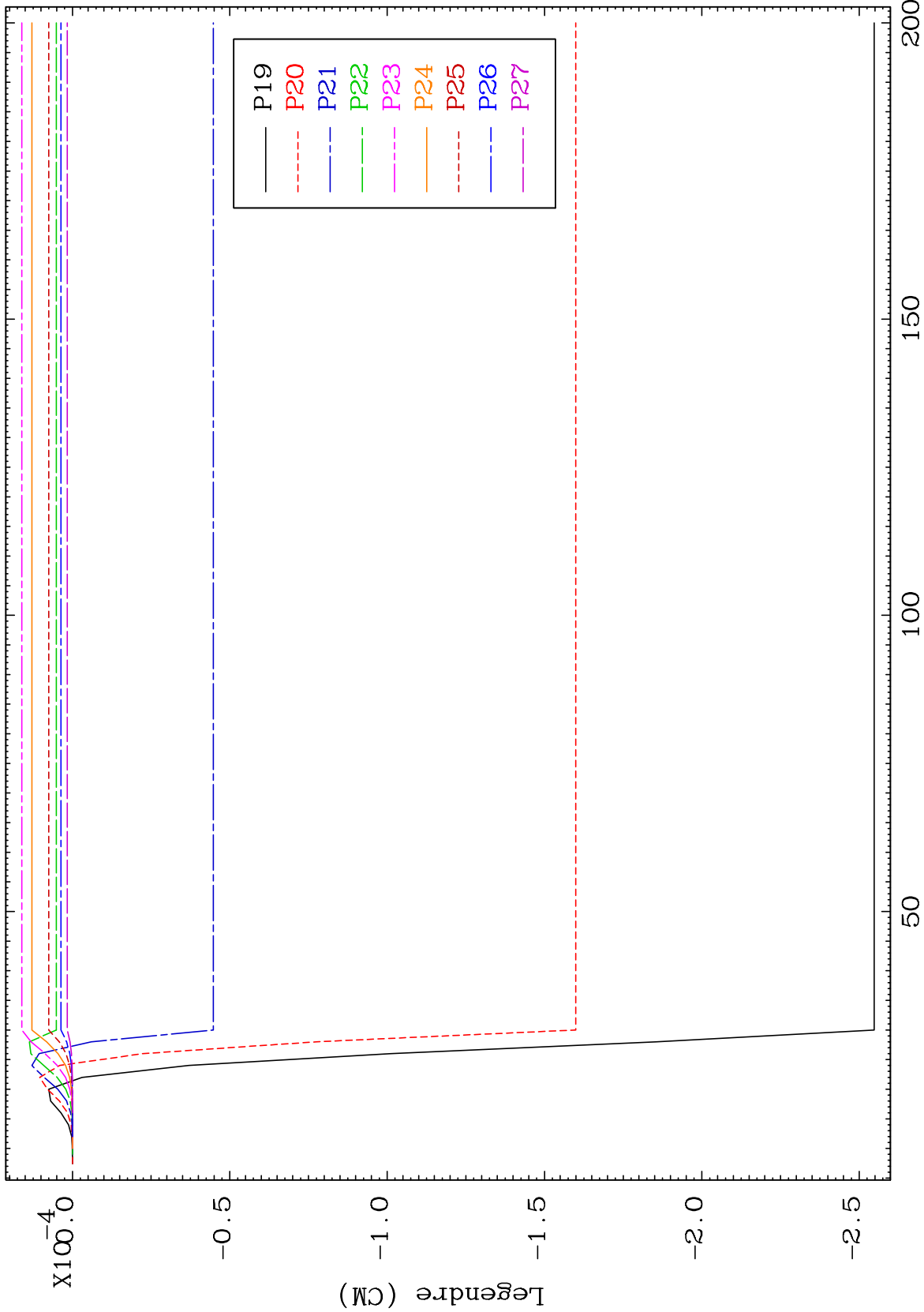
64-Gd-137



87

Incident Energy (MeV)

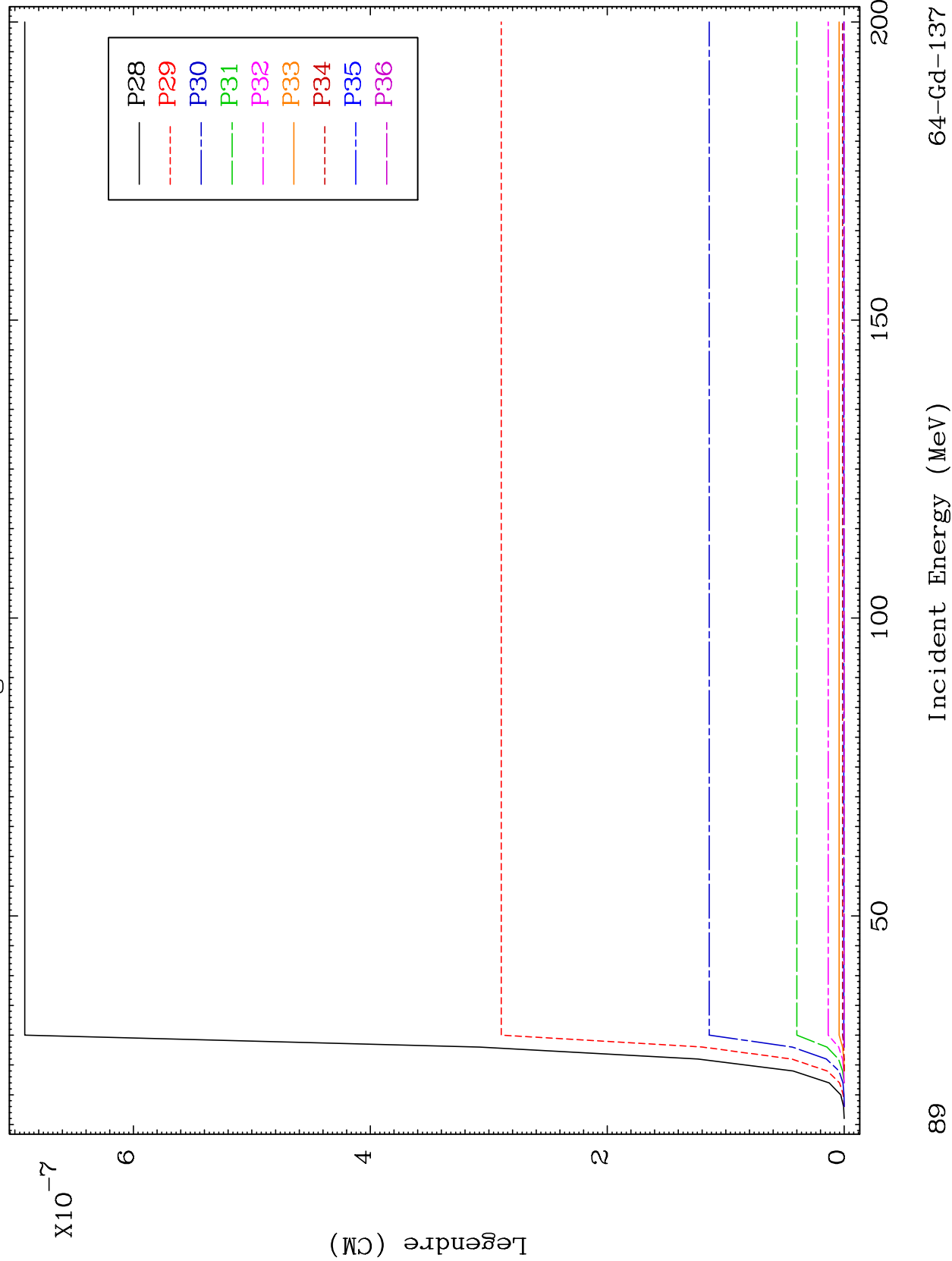
64-Gd-137



MAT 6380

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

64-Gd-137



89

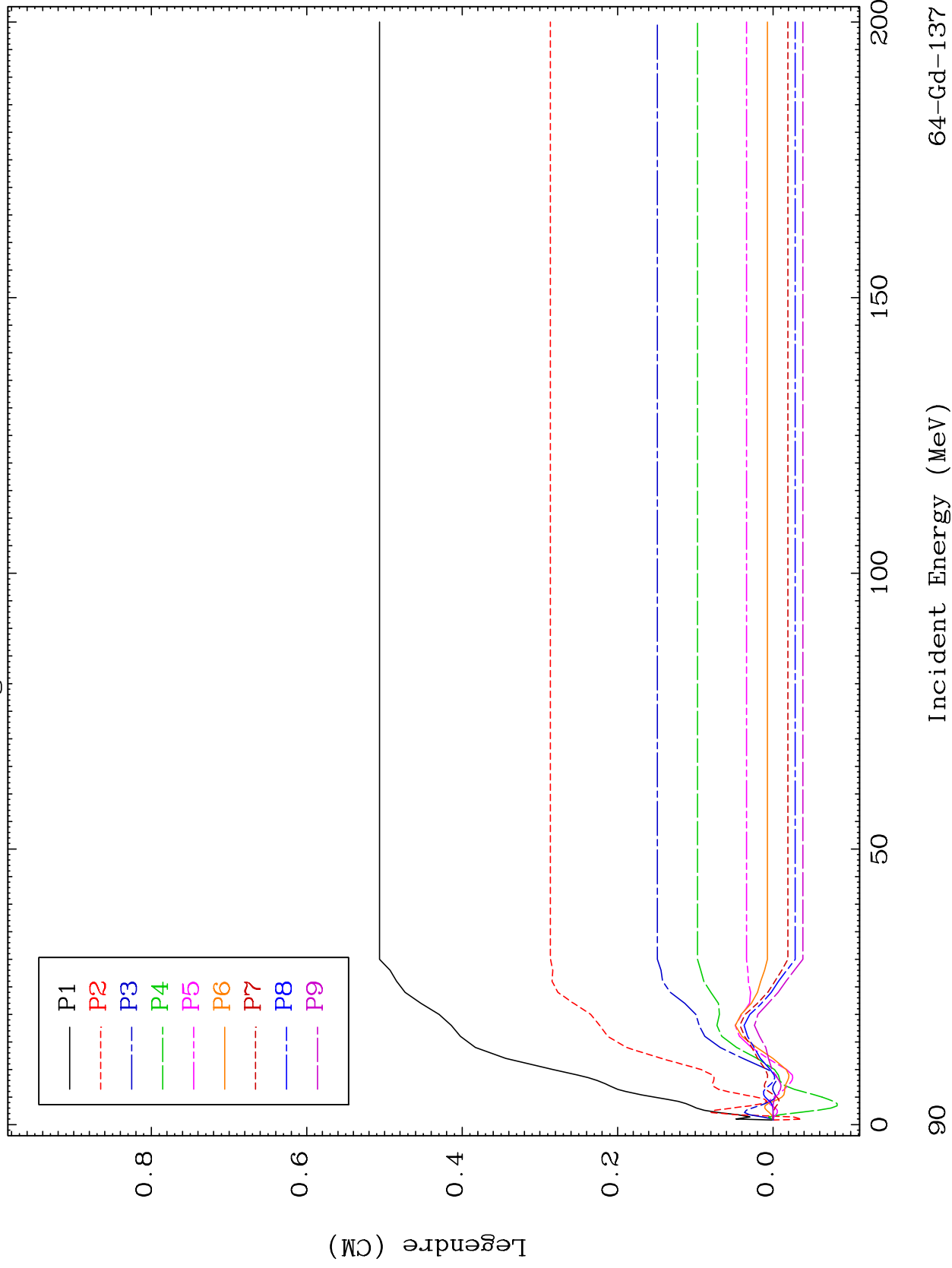
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



64-Gd-137

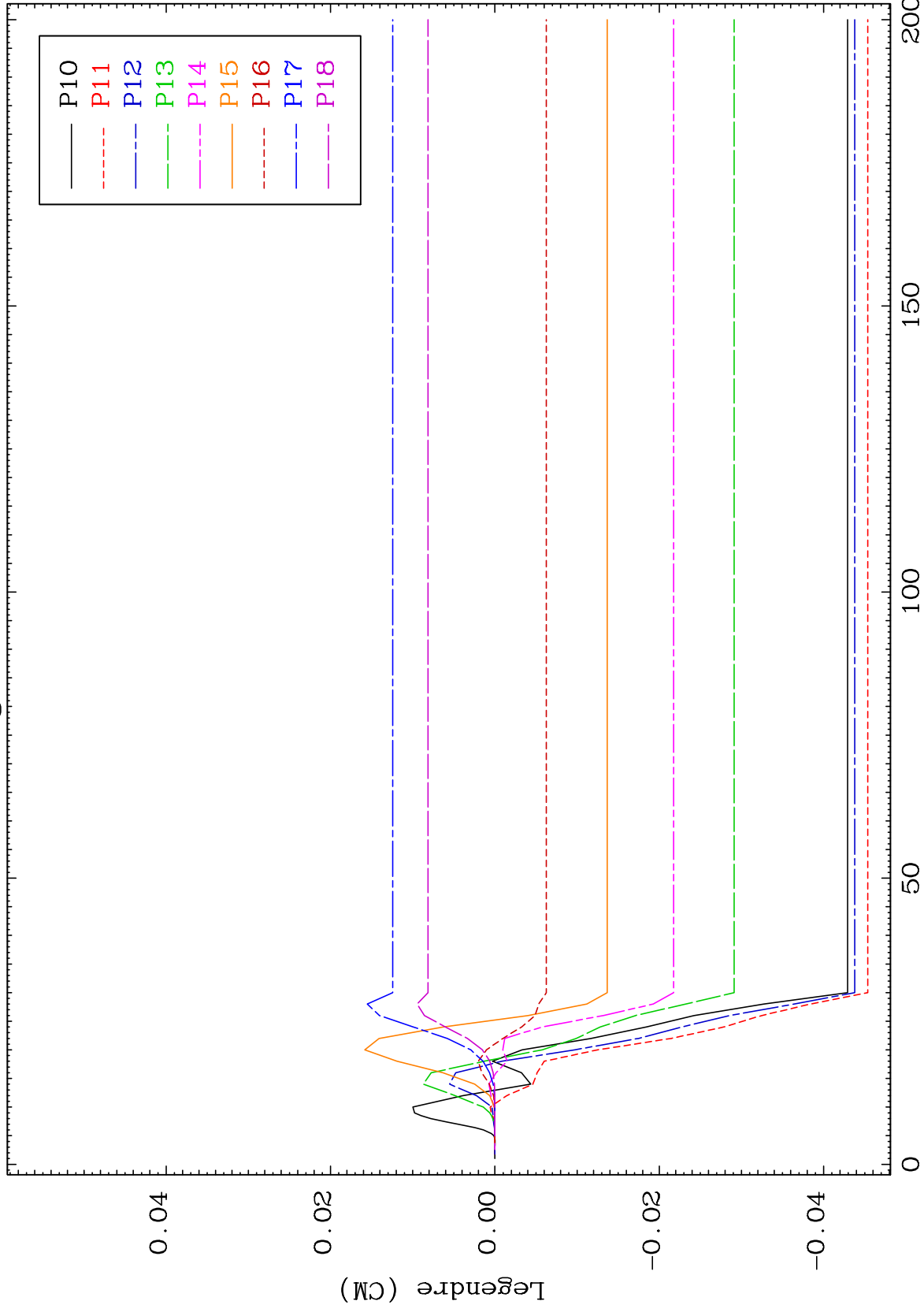
Incident Energy (MeV)

90

MAT 6380

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

64-Gd-137



91

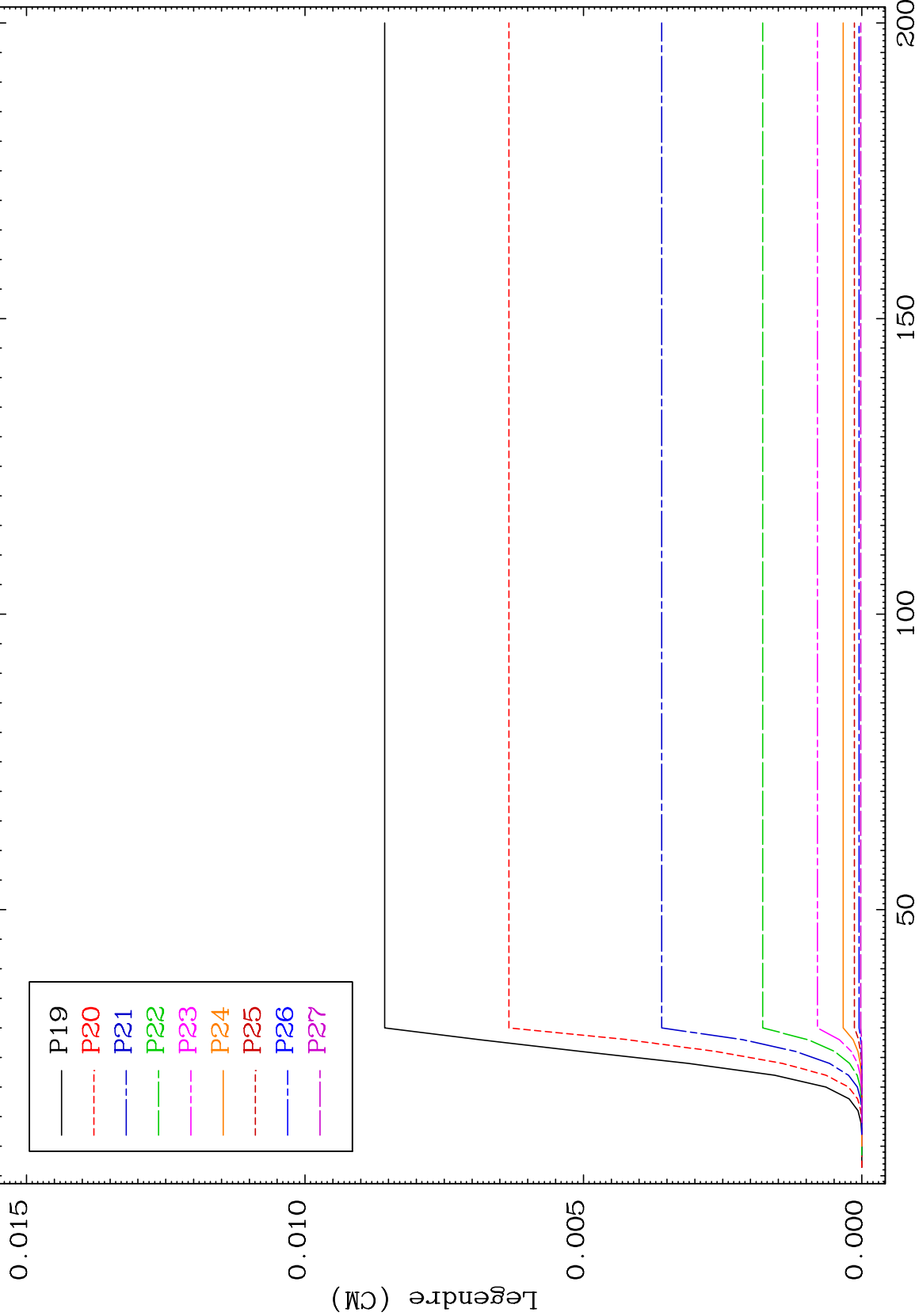
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



92

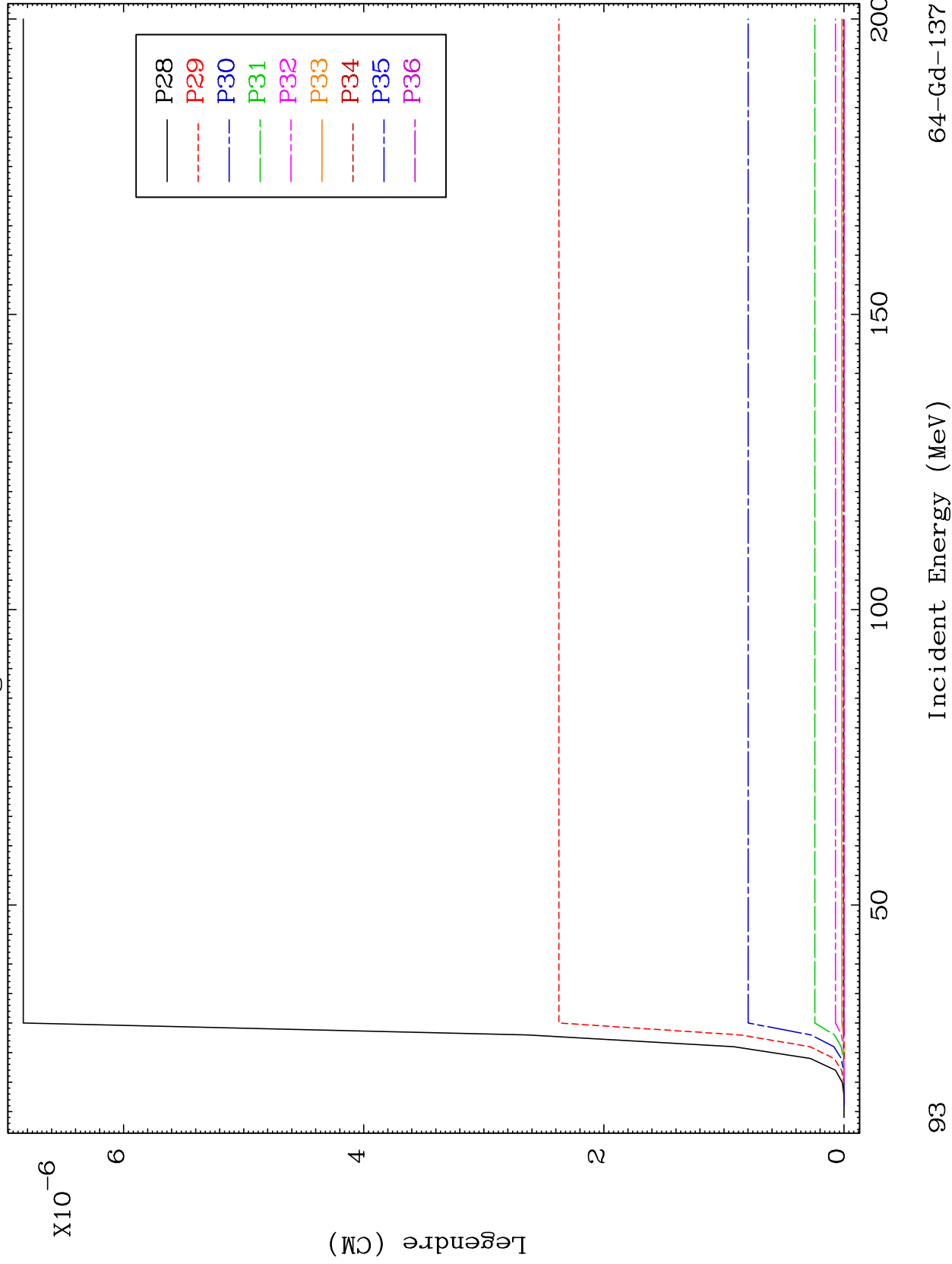
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

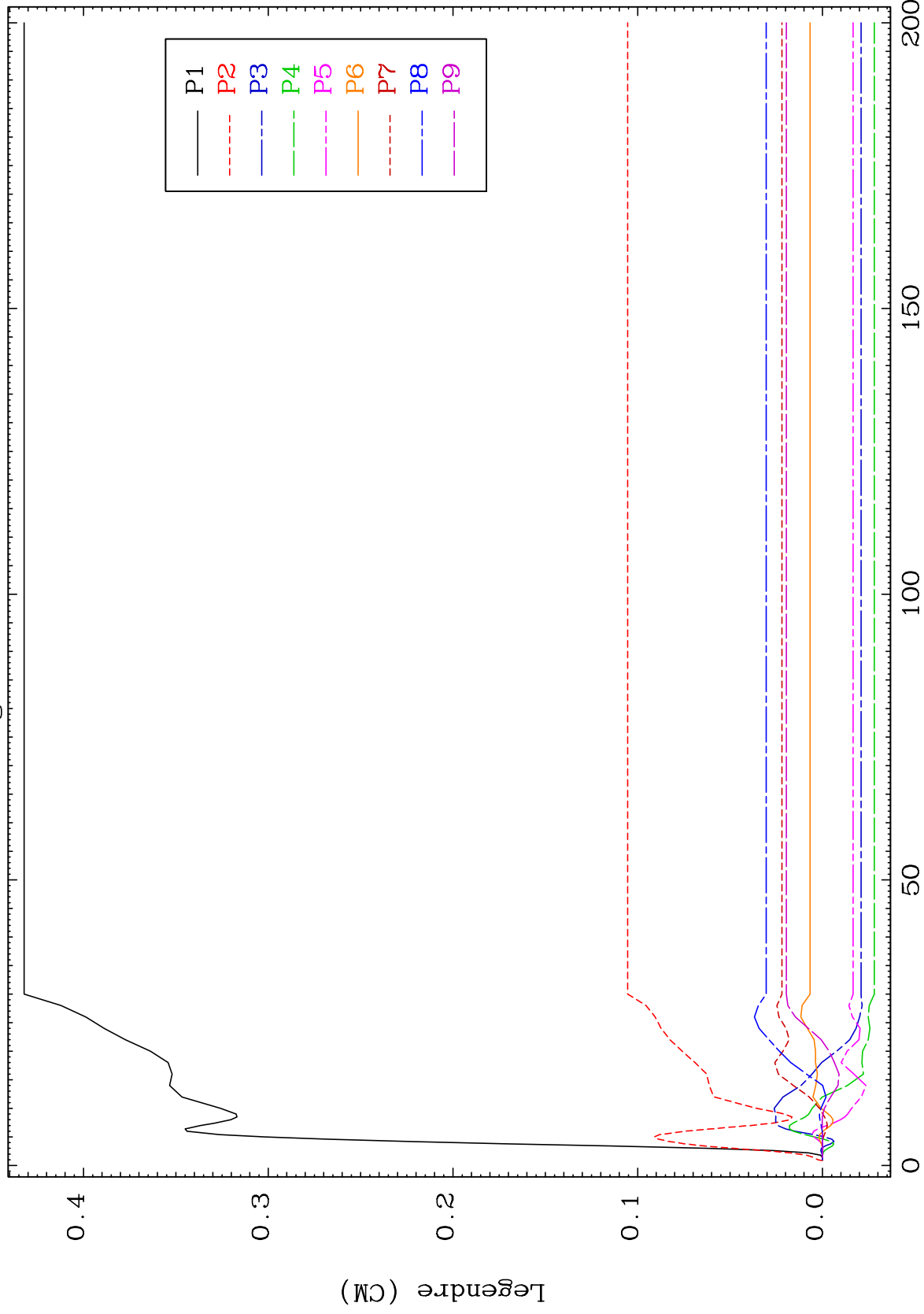
64-Gd-137



MAT 6380

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

64-Gd-137



94

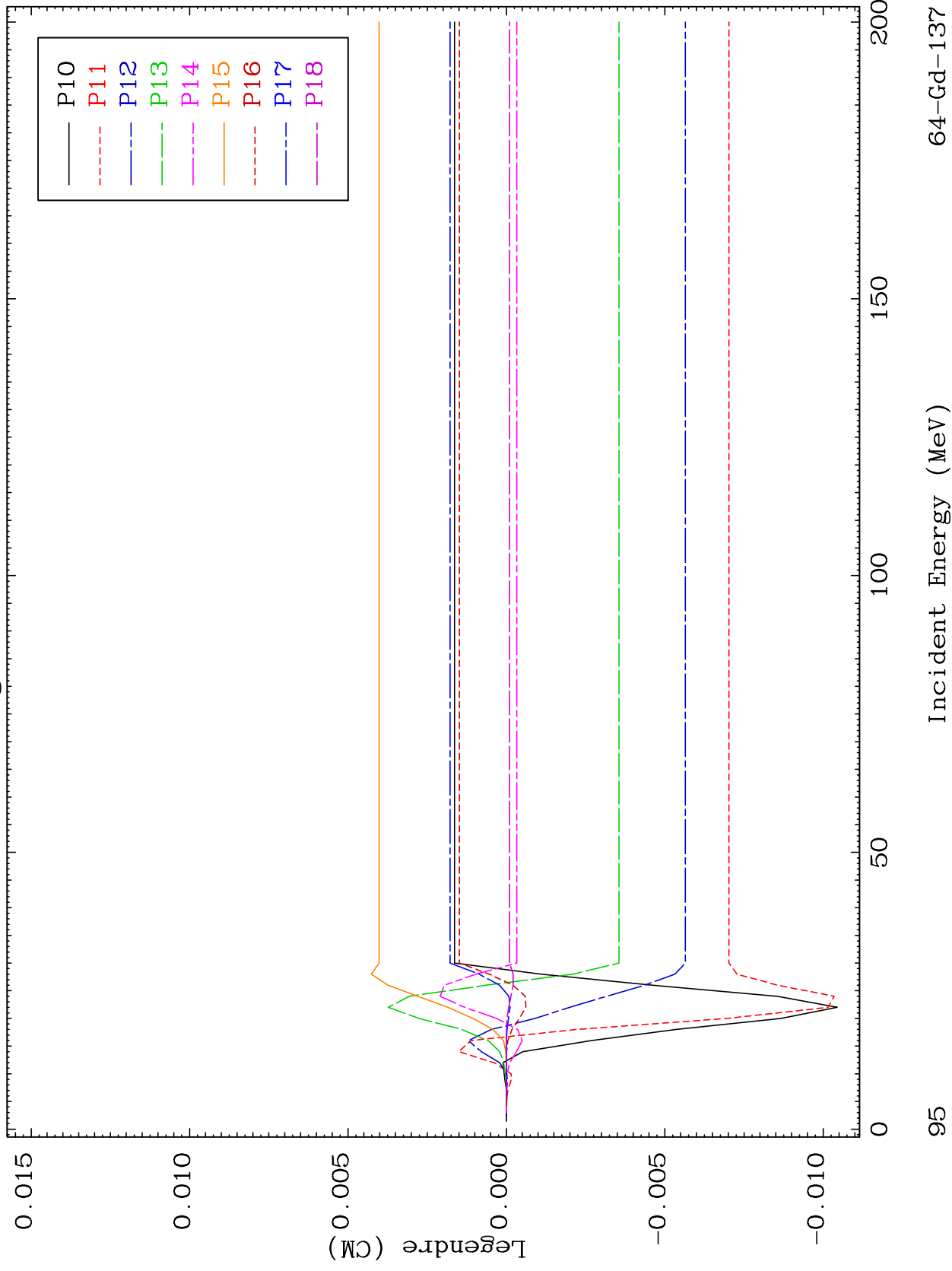
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

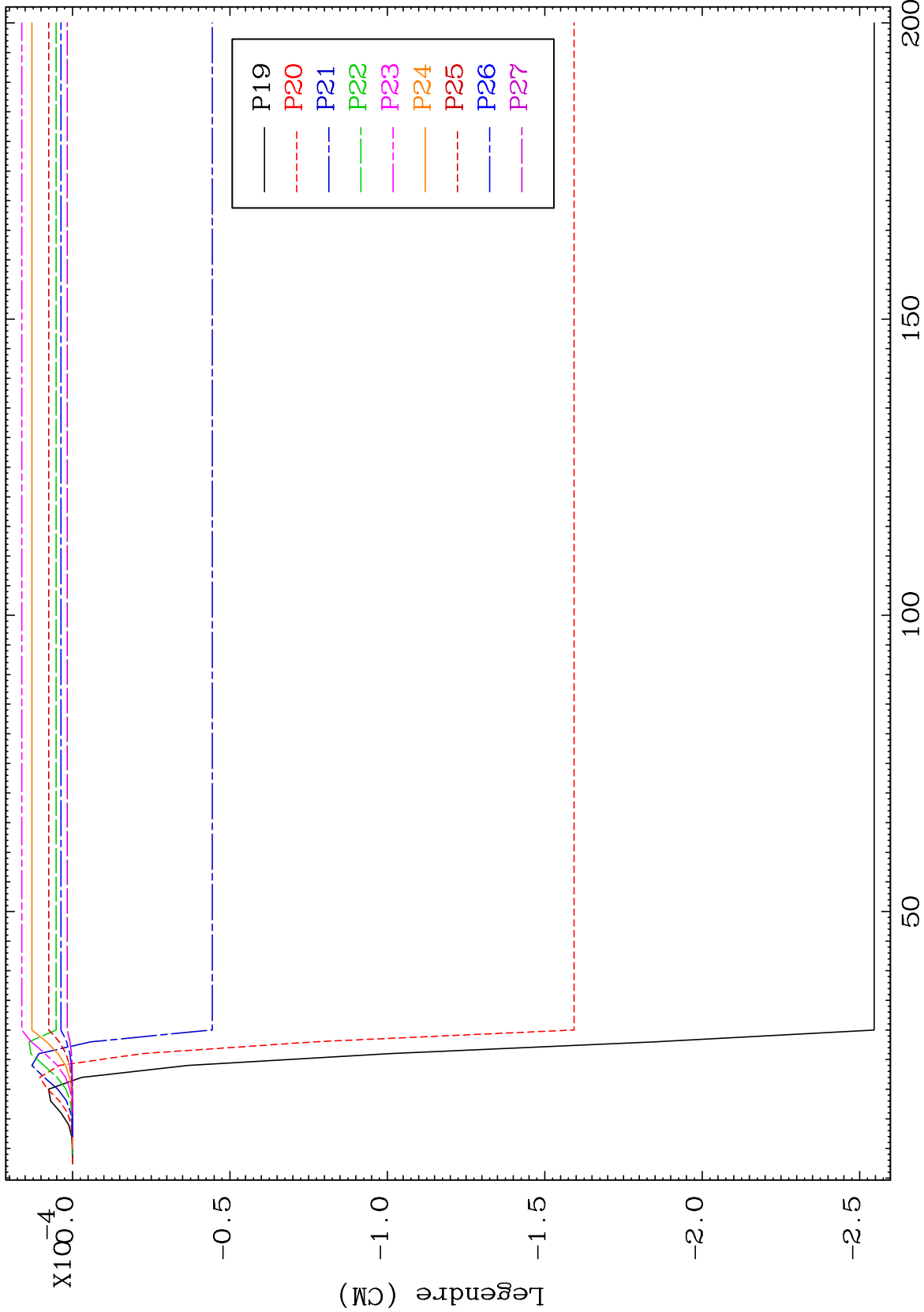
64-Gd-137



64-Gd-137

Incident Energy (MeV)

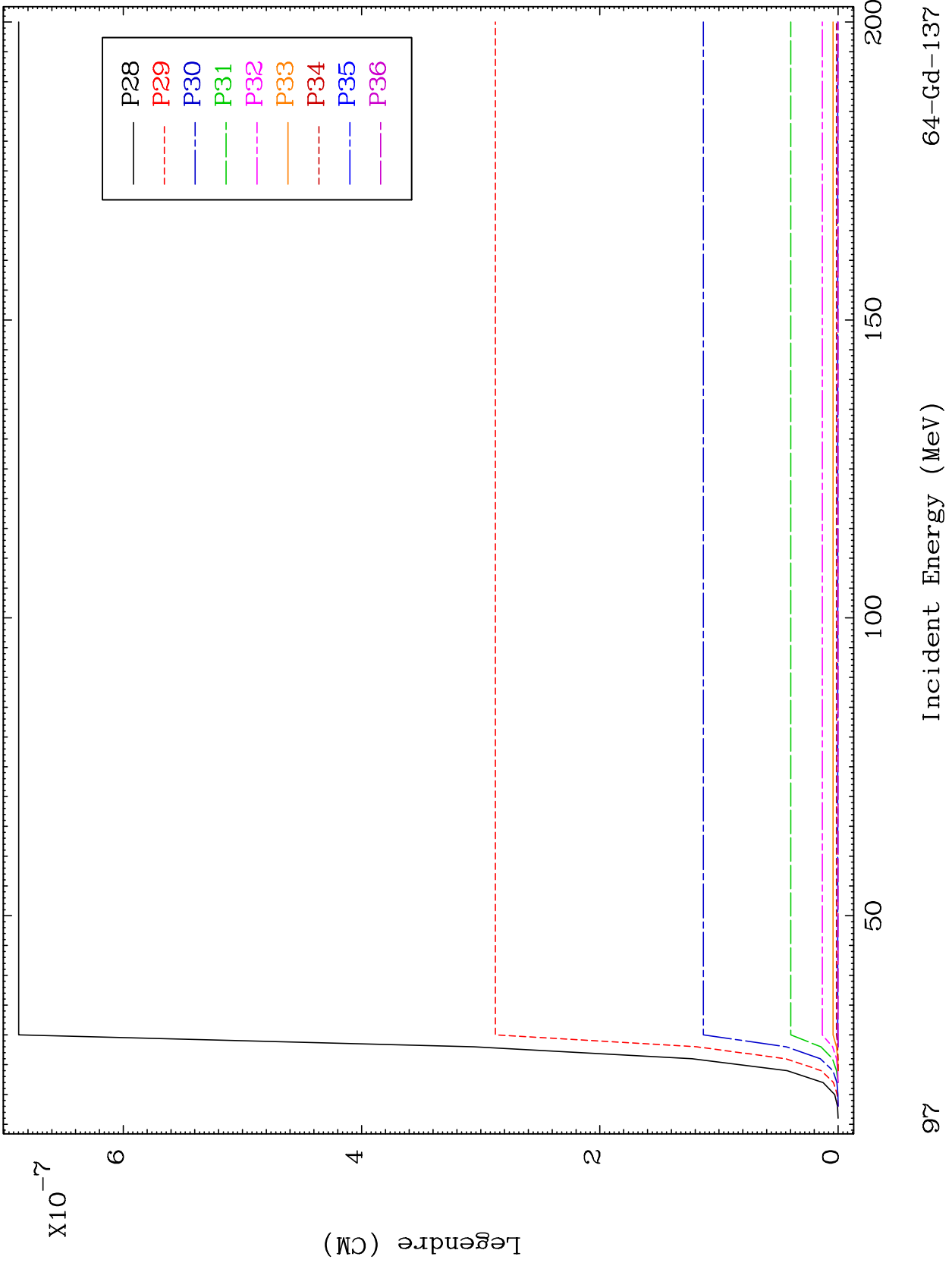
95



MAT 6380

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

64-Gd-137



97

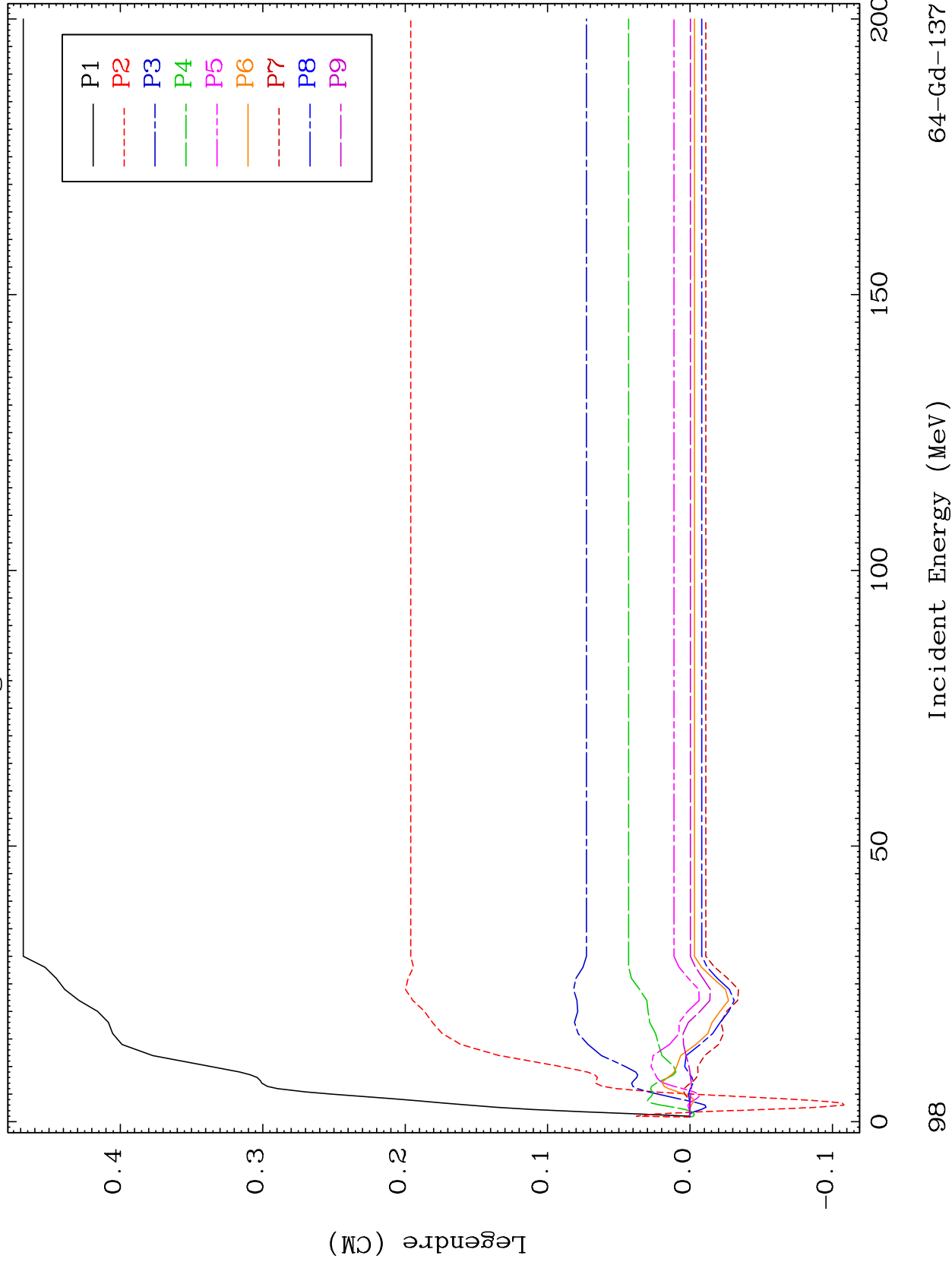
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



64-Gd-137

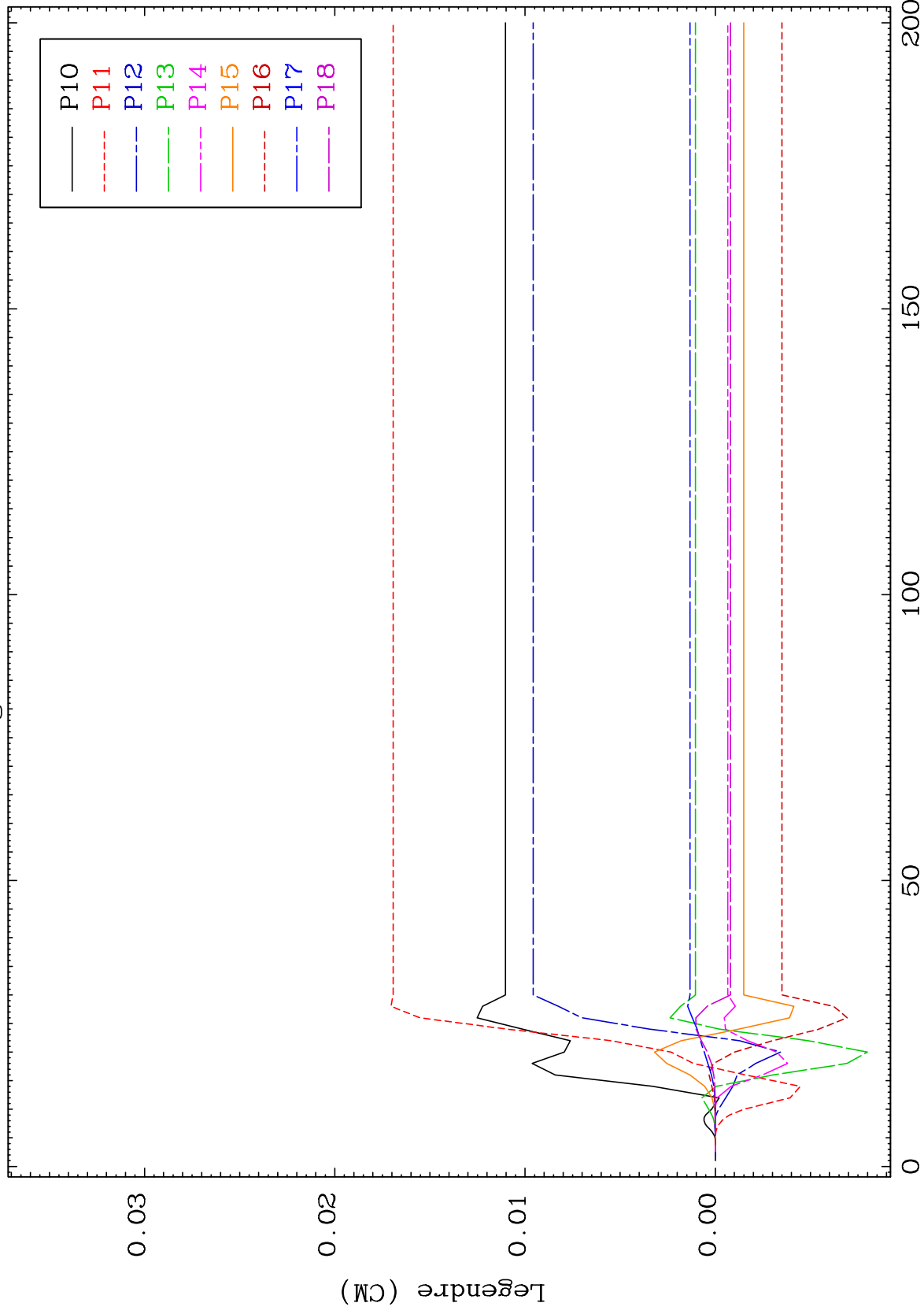
Incident Energy (MeV)

98

MAT 6380

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

64-Gd-137



99

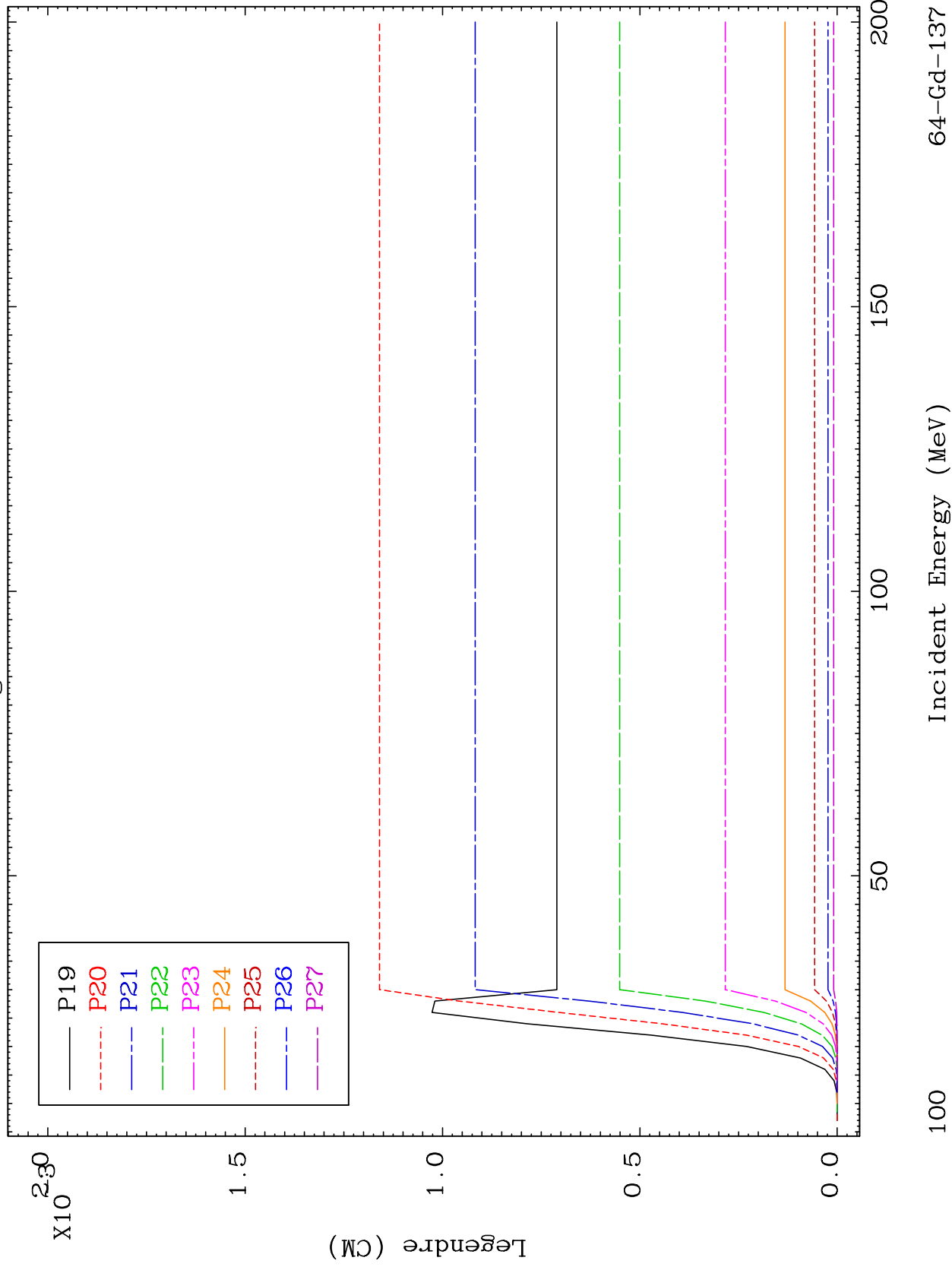
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

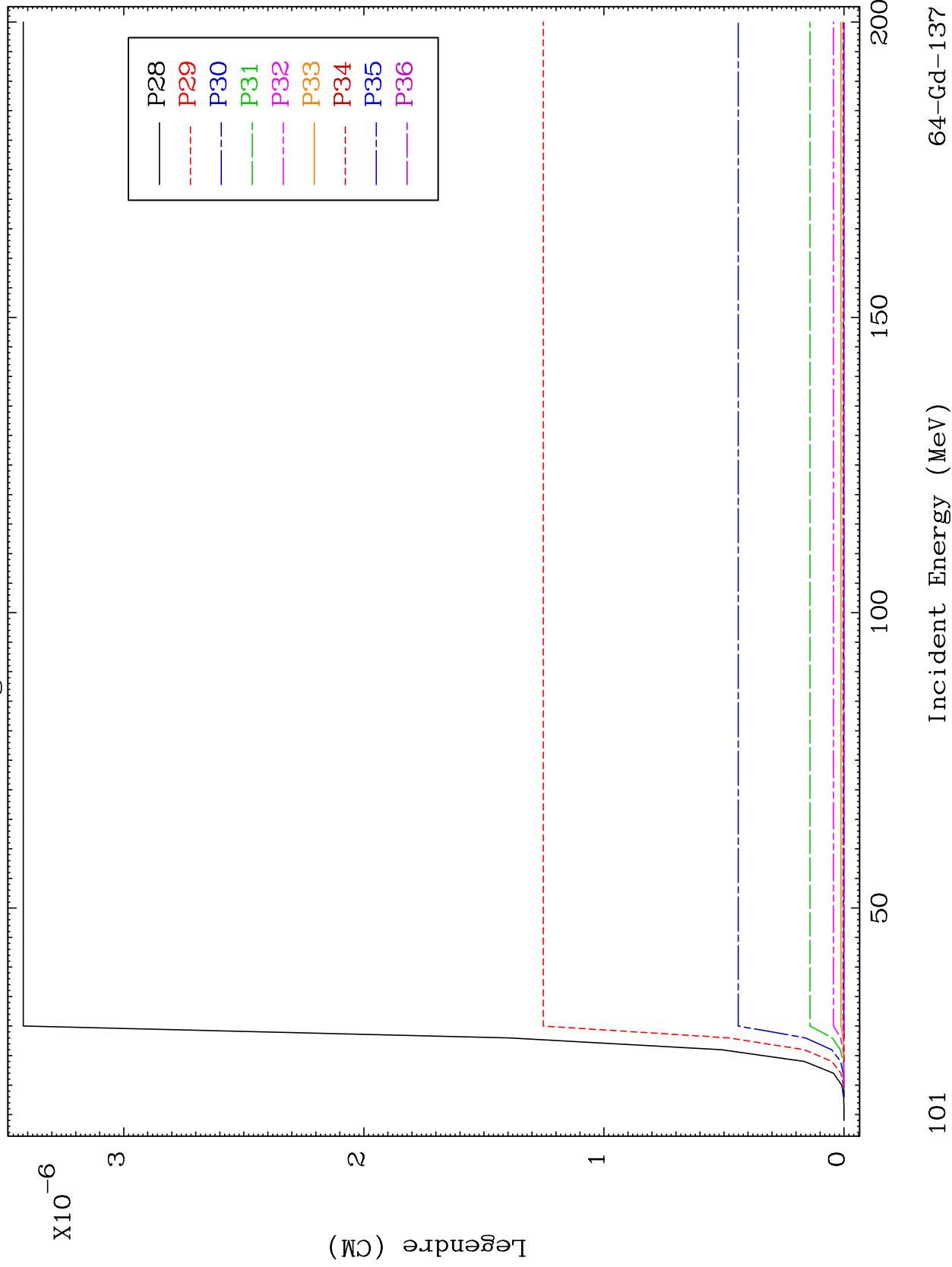
64-Gd-137



MAT 6380

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

64-Gd-137



101

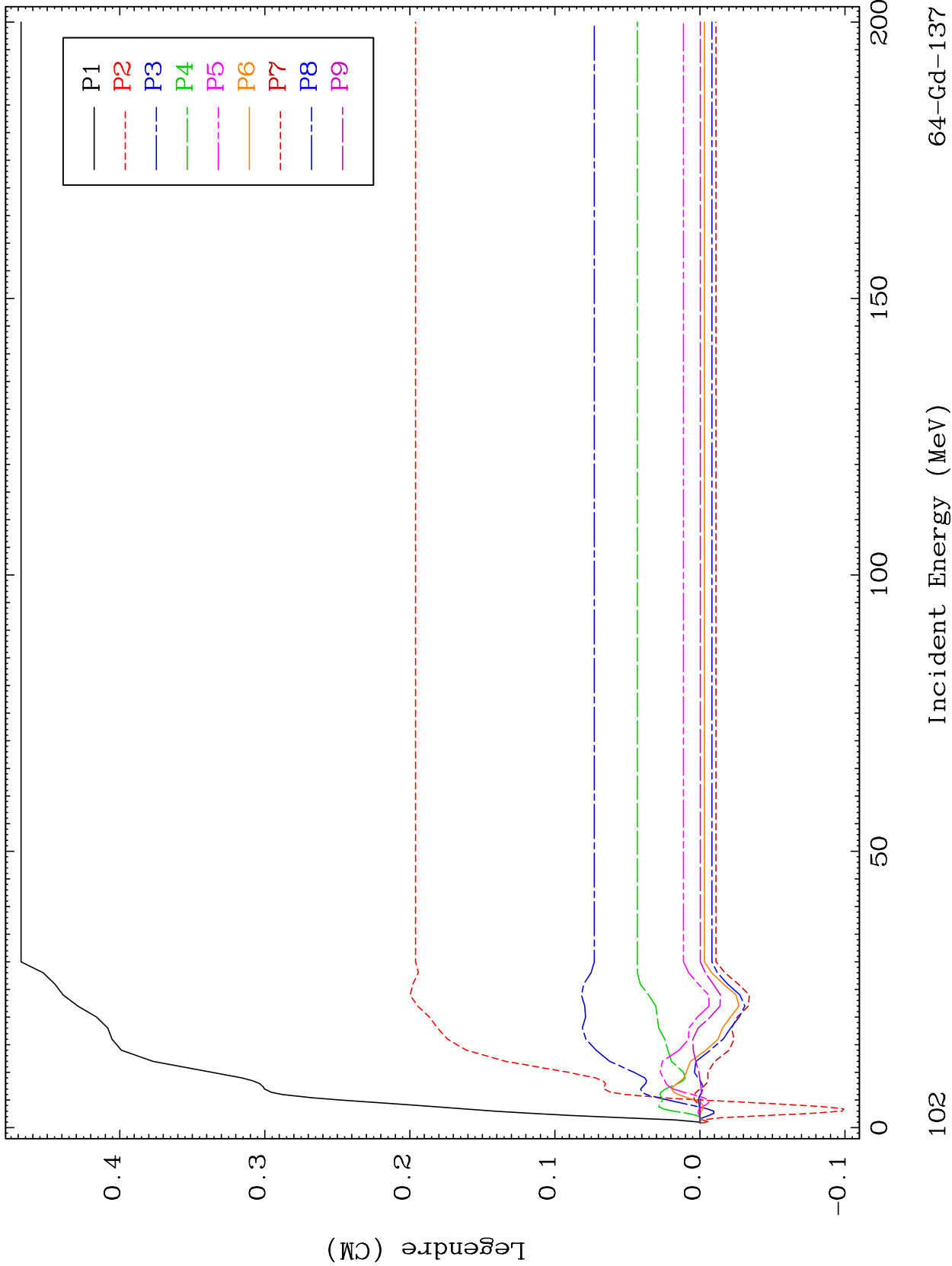
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



64-Gd-137

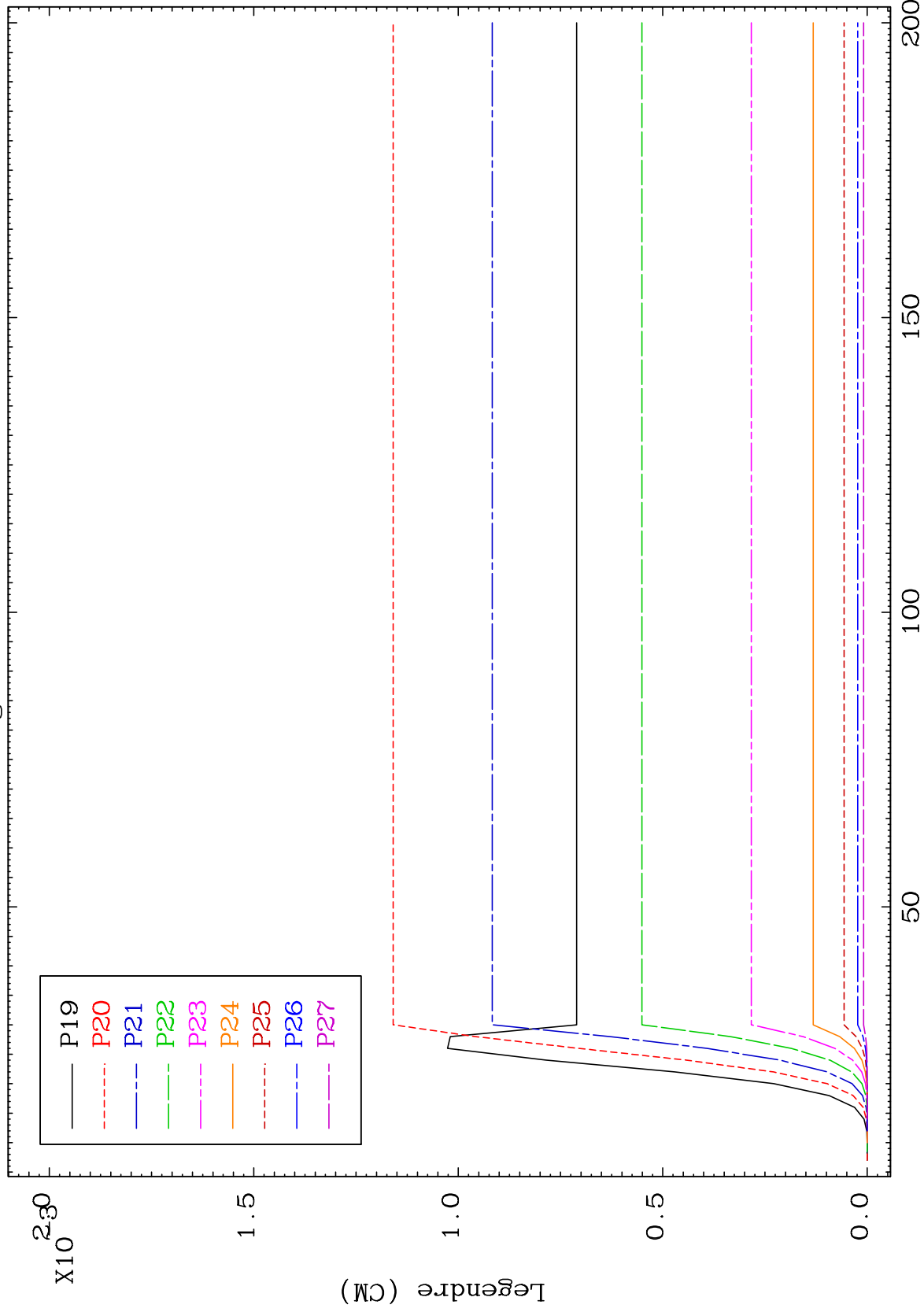
Incident Energy (MeV)

102

MAT 6380

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

64-Gd-137



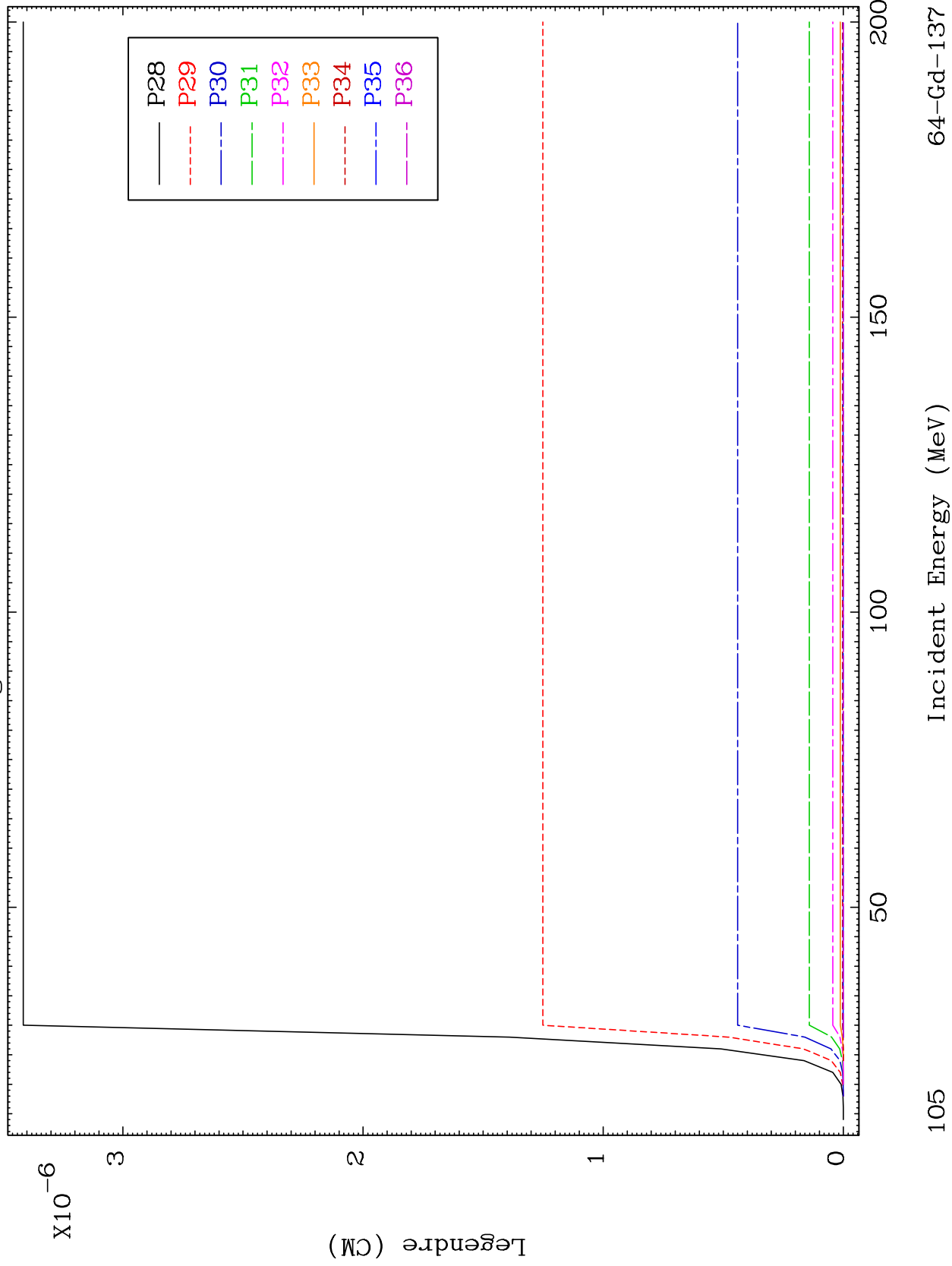
104

64-Gd-137

MAT 6380

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

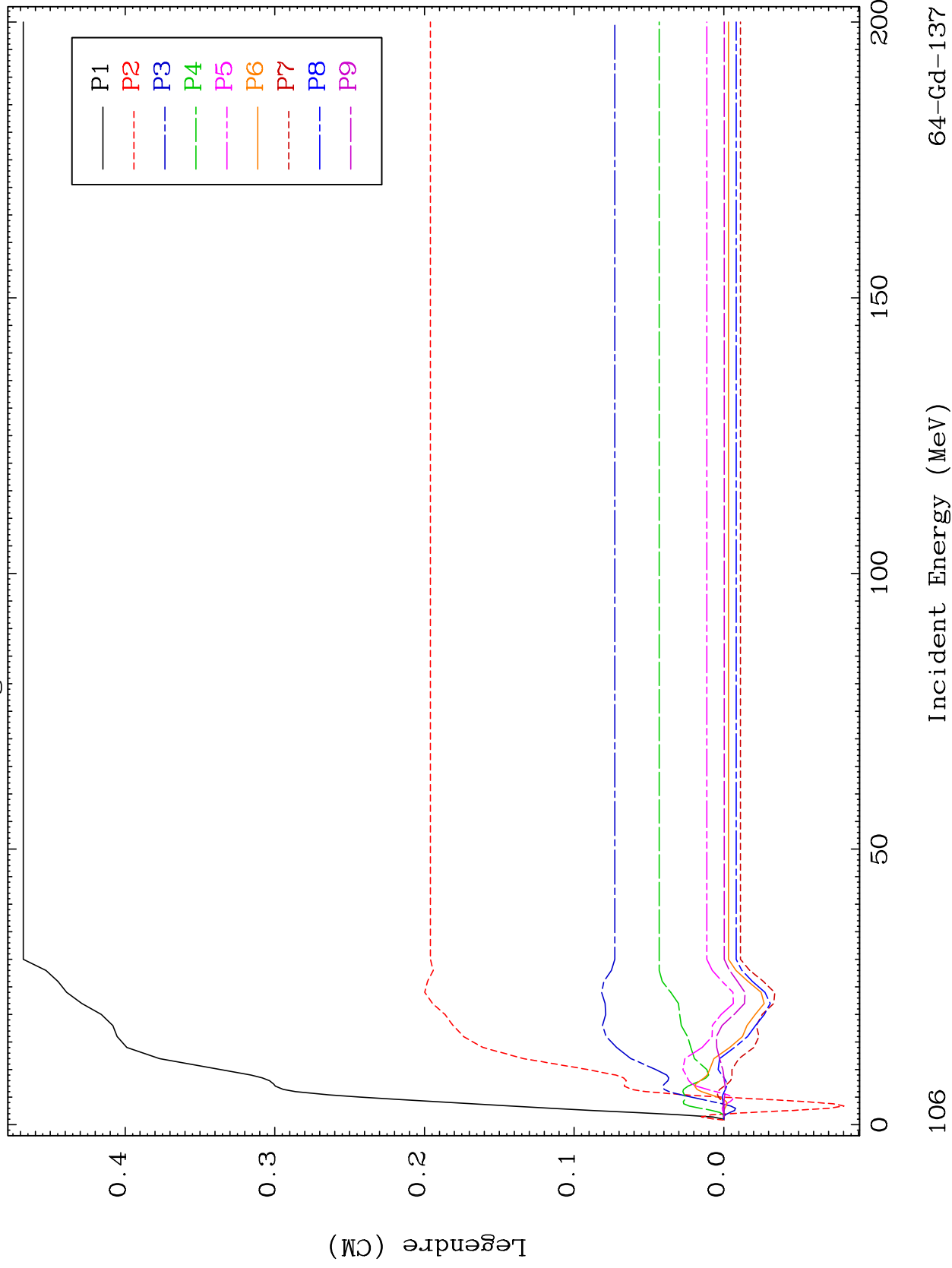
64-Gd-137



MAT 6380

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

64-Gd-137



64-Gd-137

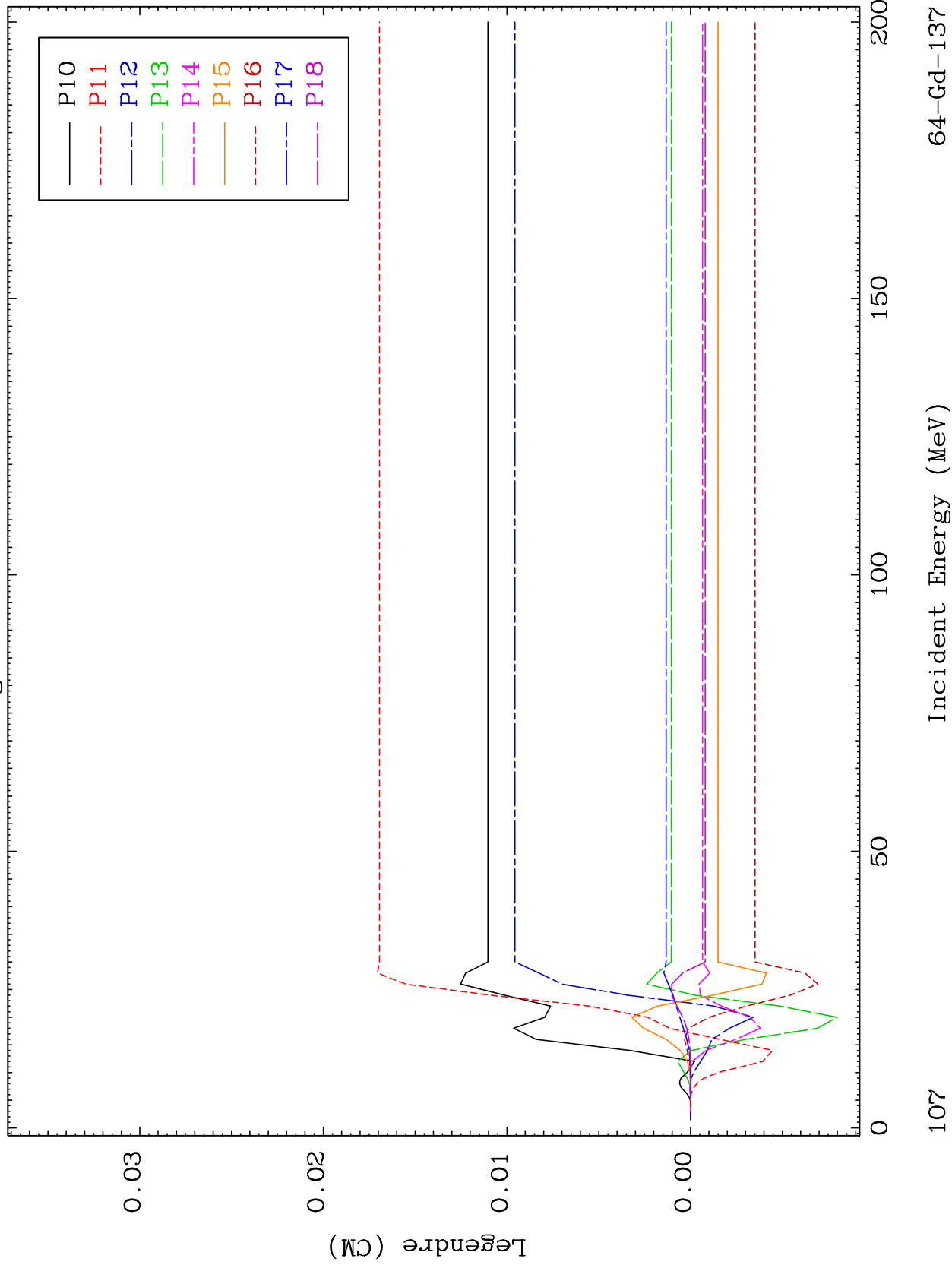
Incident Energy (MeV)

106

MAT 6380

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

64-Gd-137



64-Gd-137

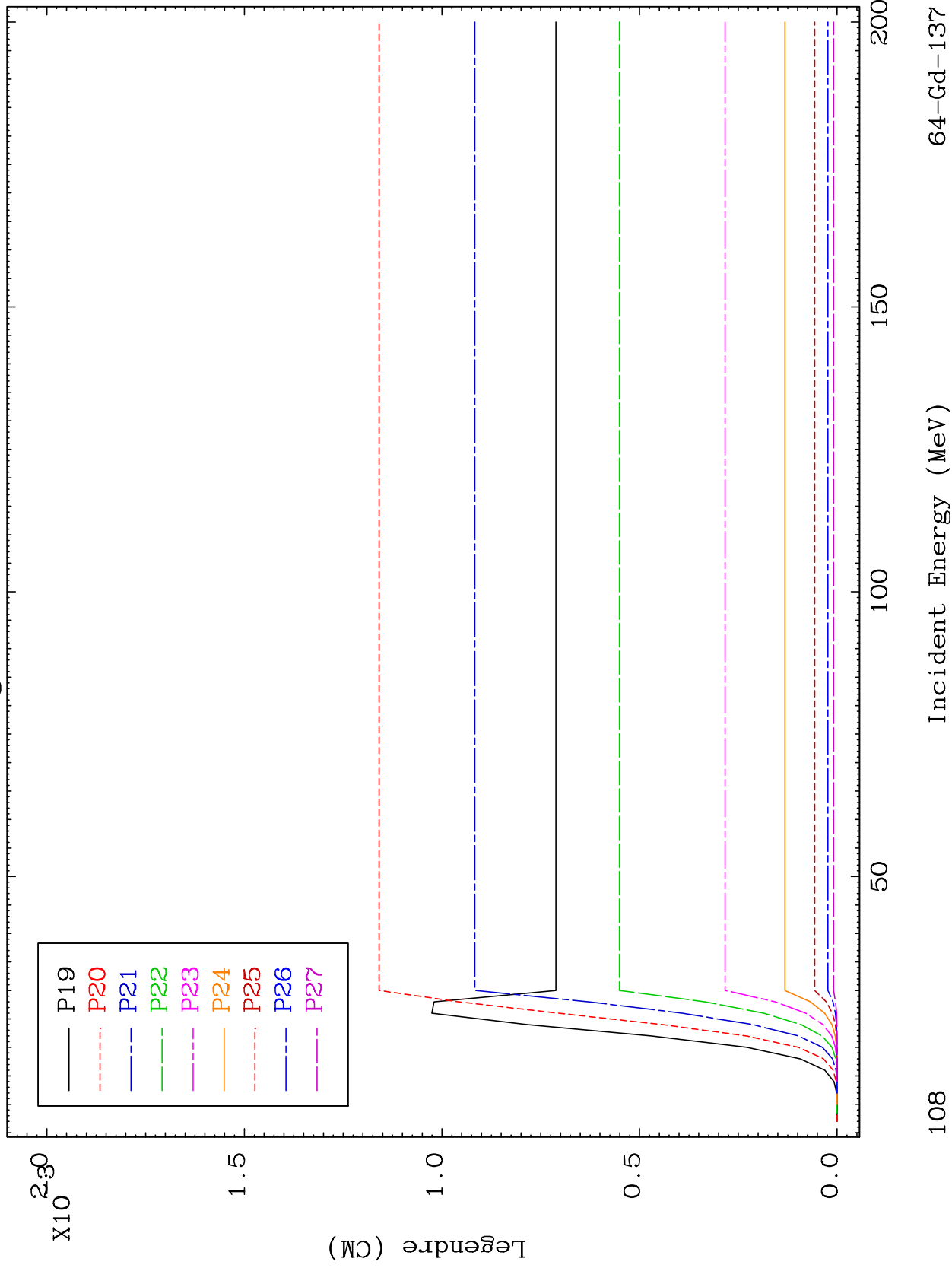
Incident Energy (MeV)

107

MAT 6380

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

64-Gd-137



108

Incident Energy (MeV)

64-Gd-137

200

150

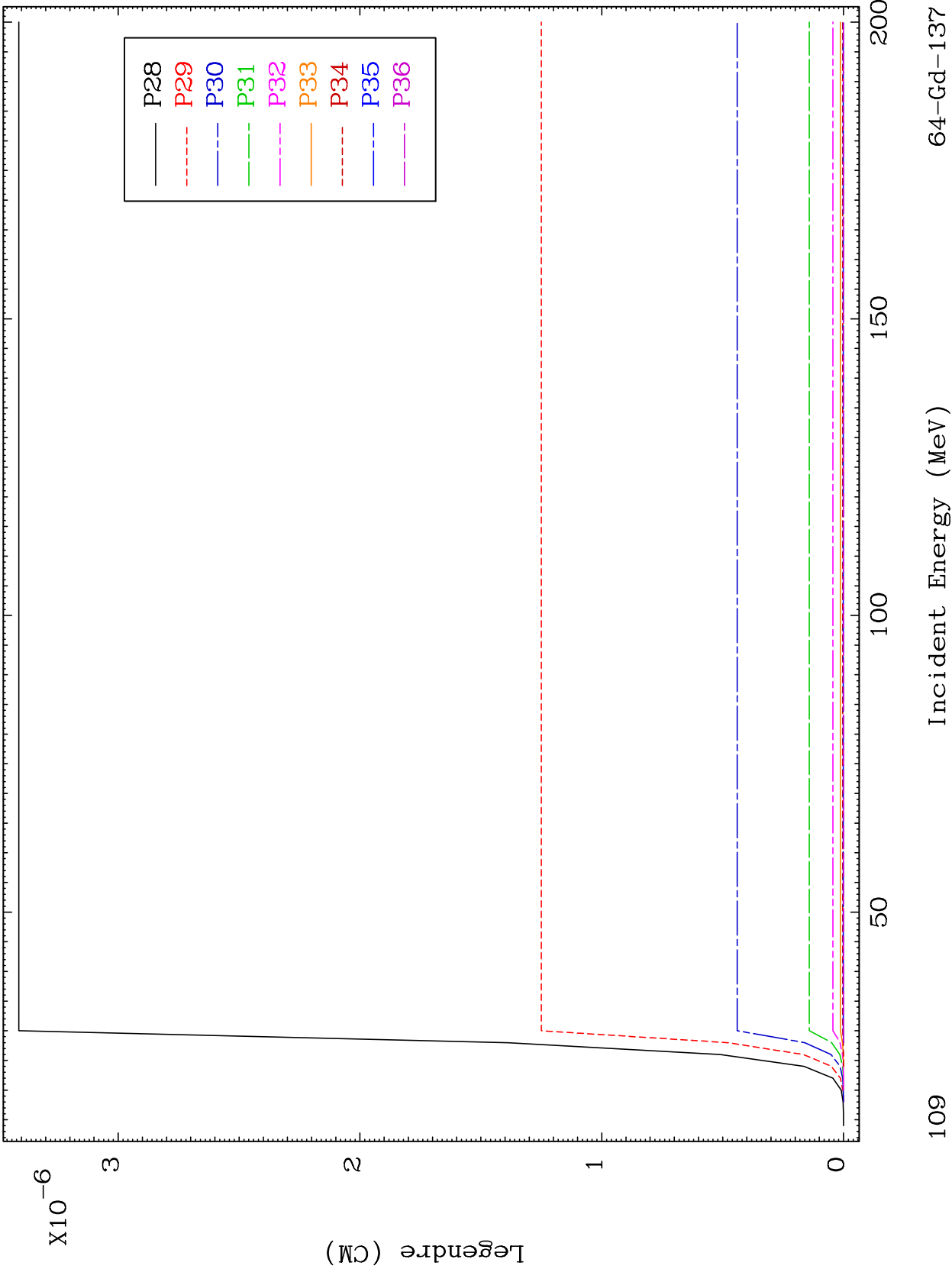
100

50

MAT 6380

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

64-Gd-137



109

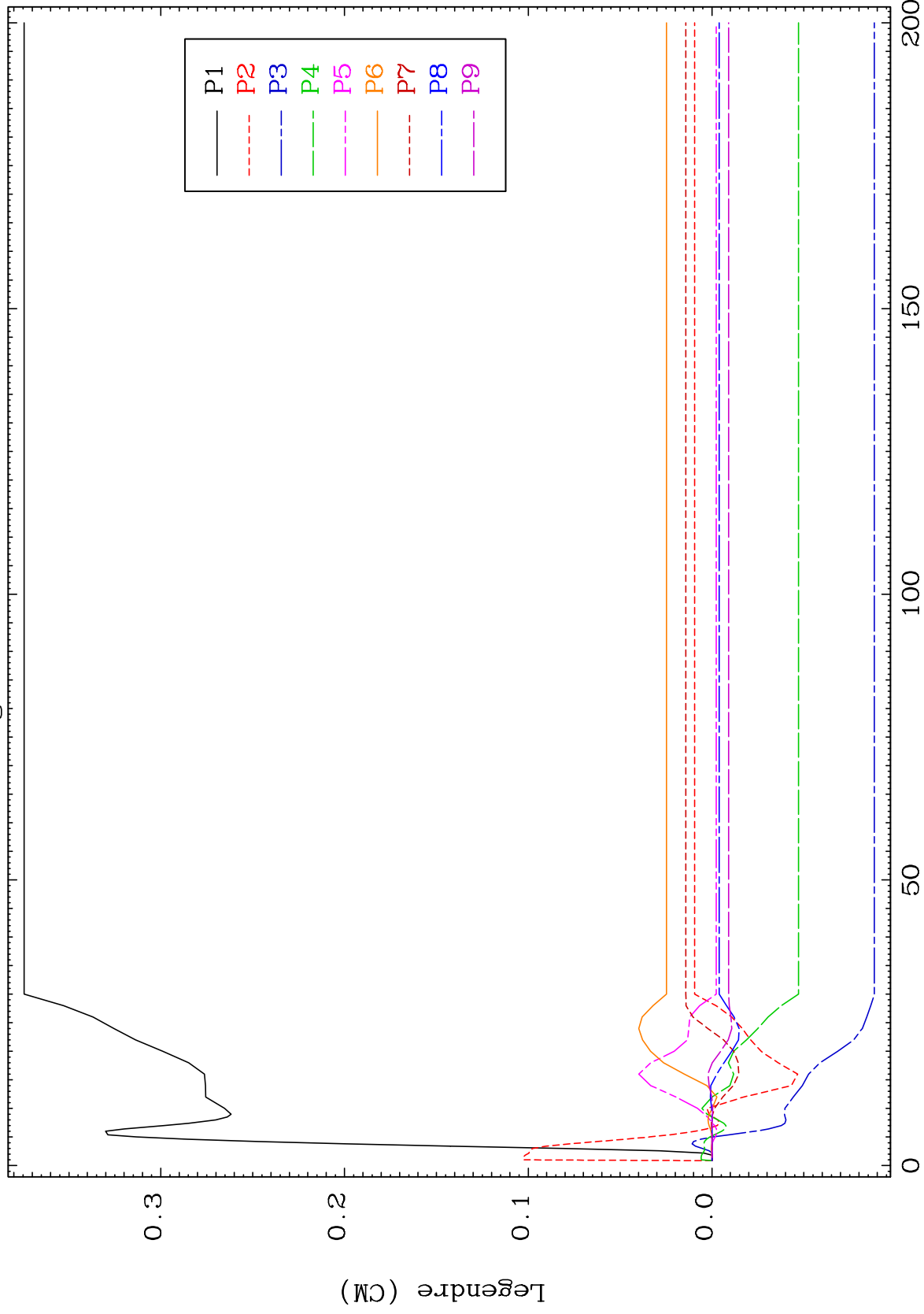
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



110

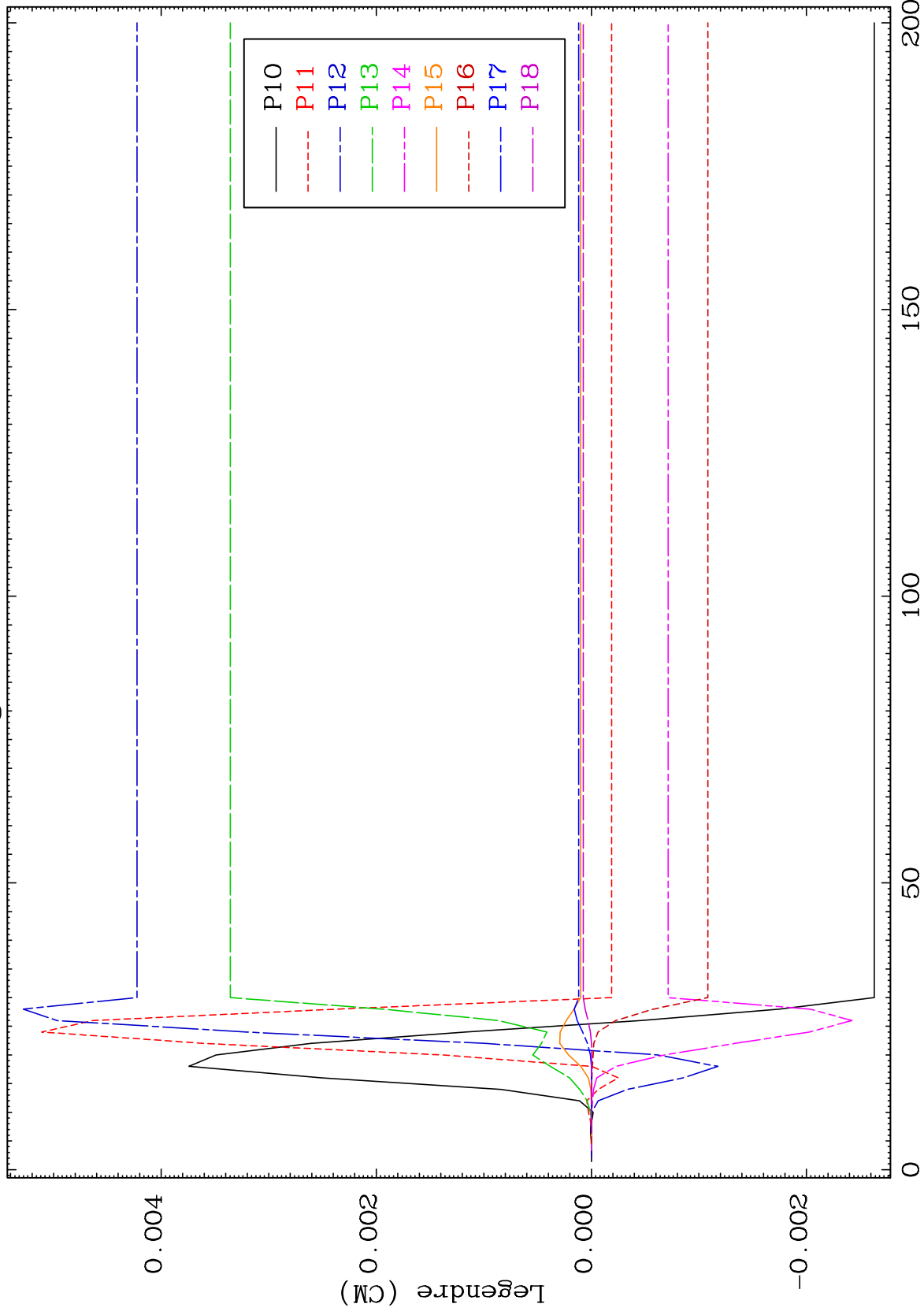
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



111

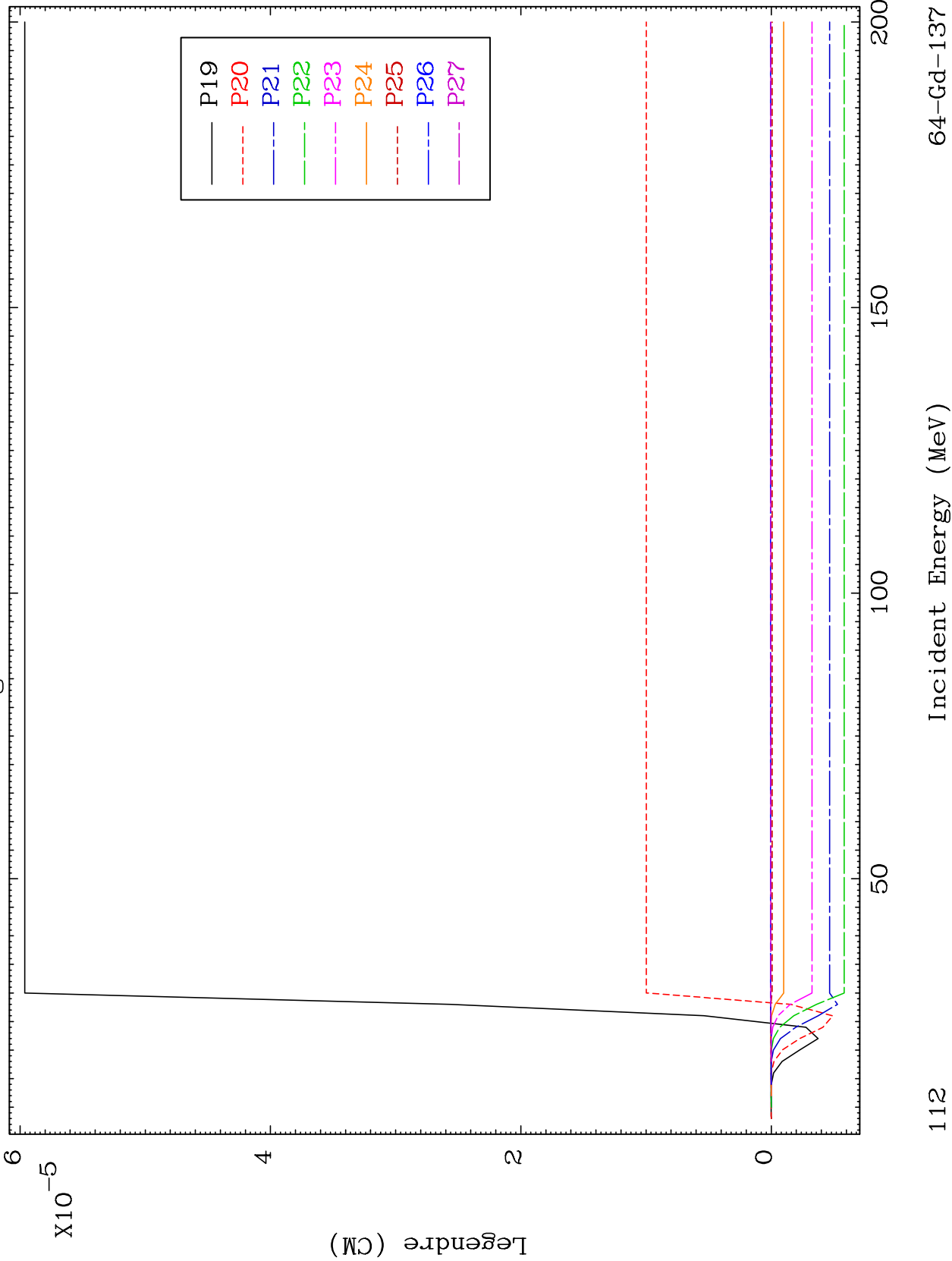
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

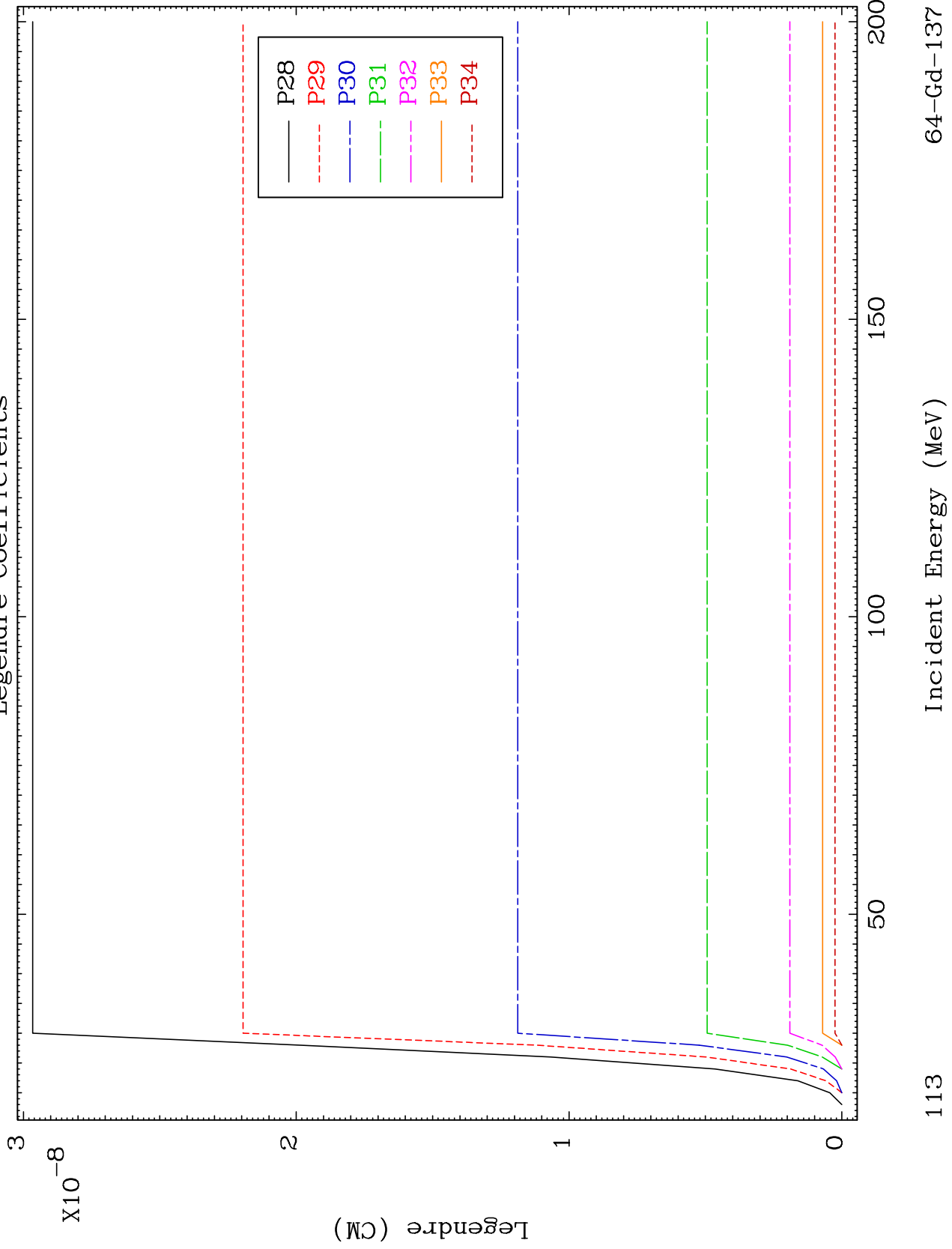
64-Gd-137



MAT 6380

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

64-Gd-137



113

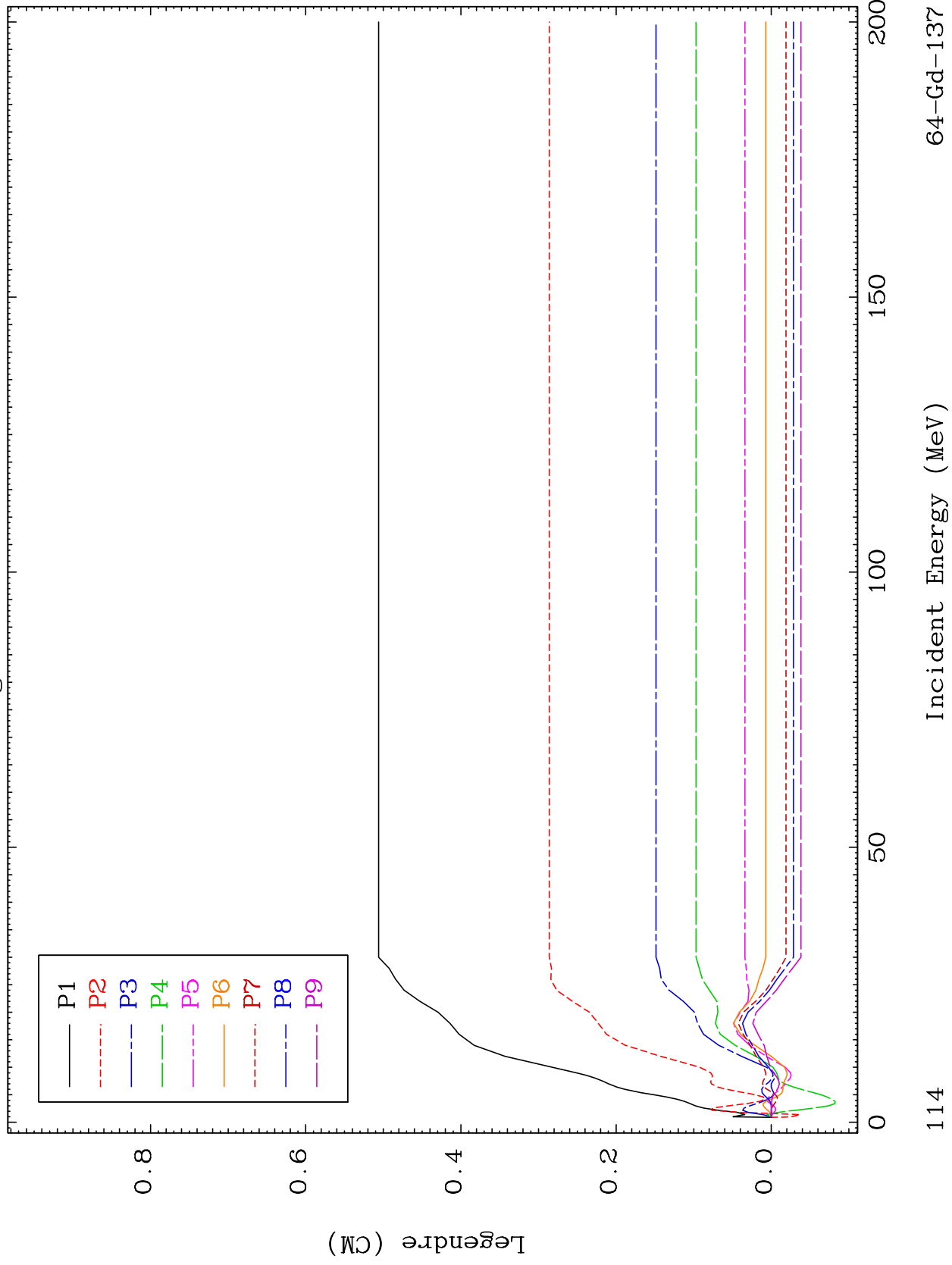
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



64-Gd-137

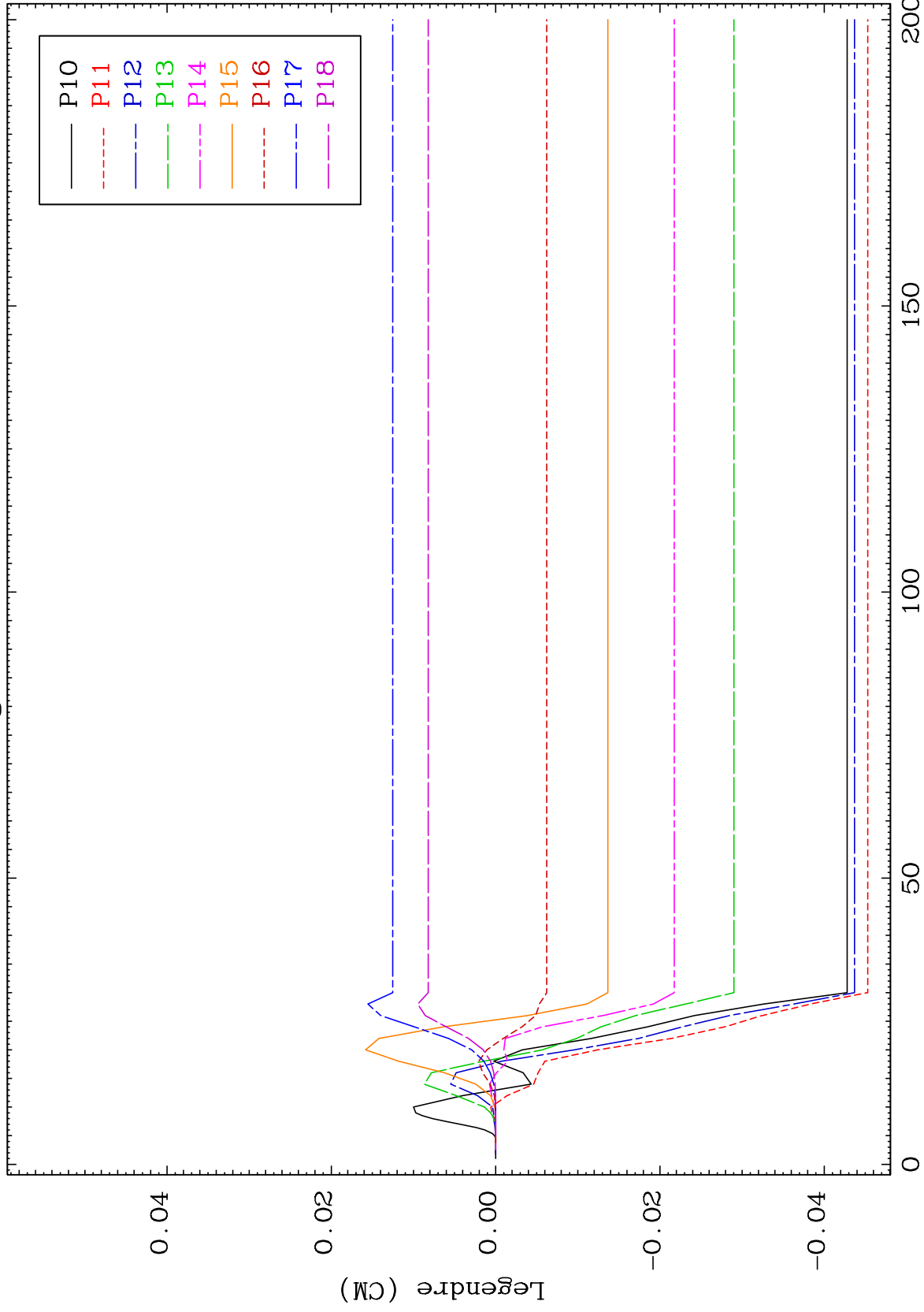
Incident Energy (MeV)

114

MAT 6380

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

64-Gd-137



115

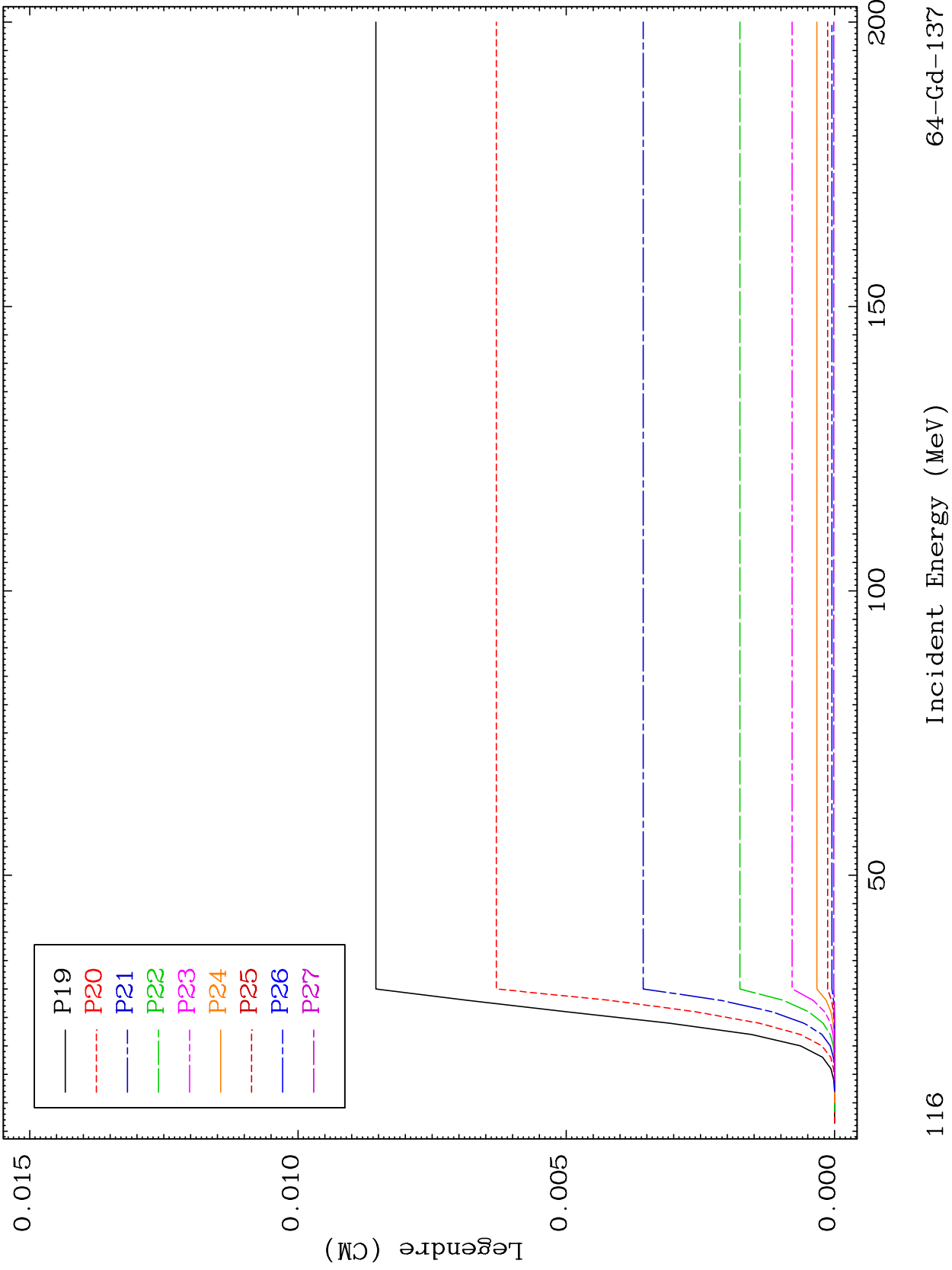
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



116

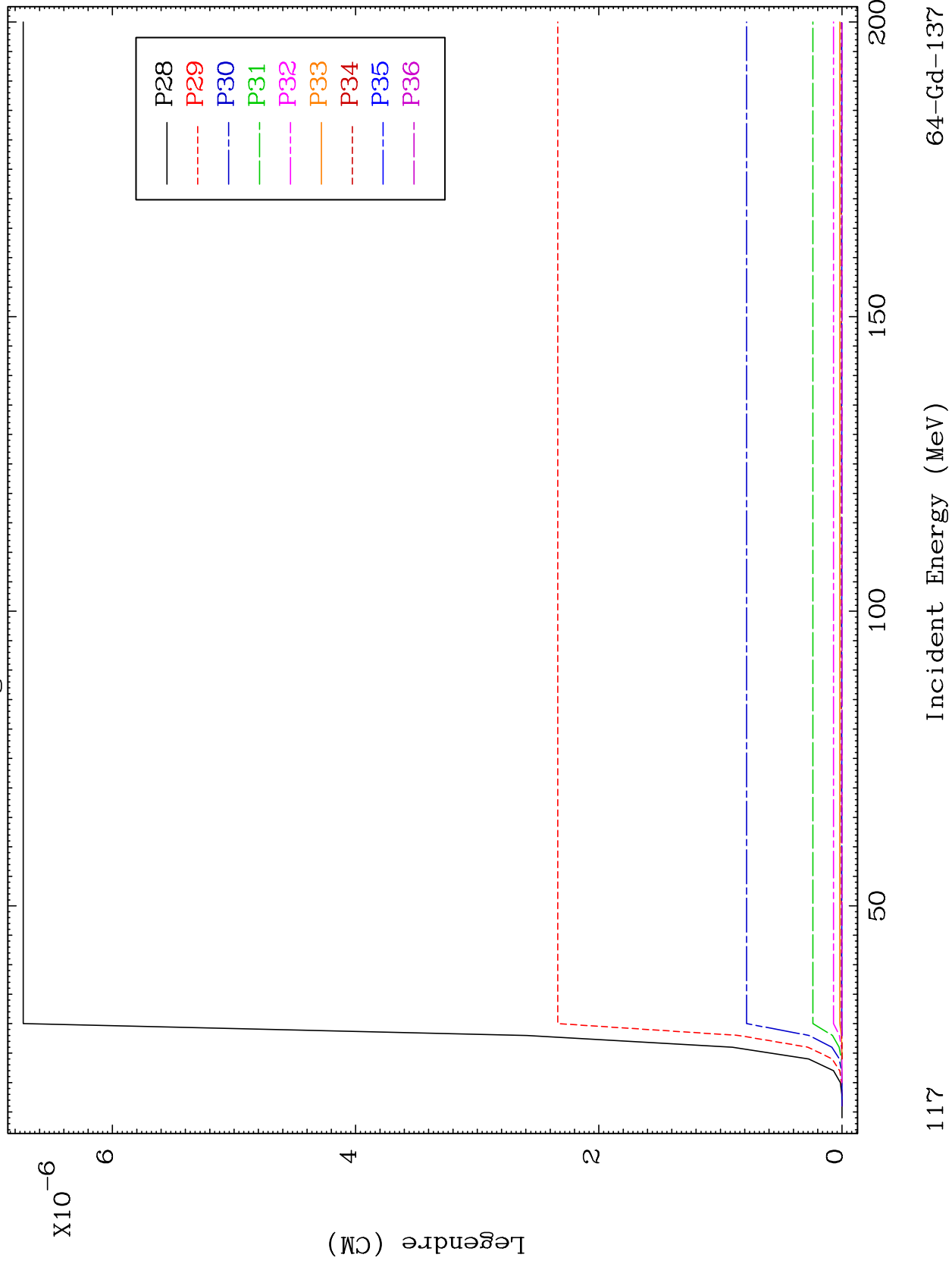
Incident Energy (MeV)

64-Gd-137

MAT 6380

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

64-Gd-137



117

Incident Energy (MeV)

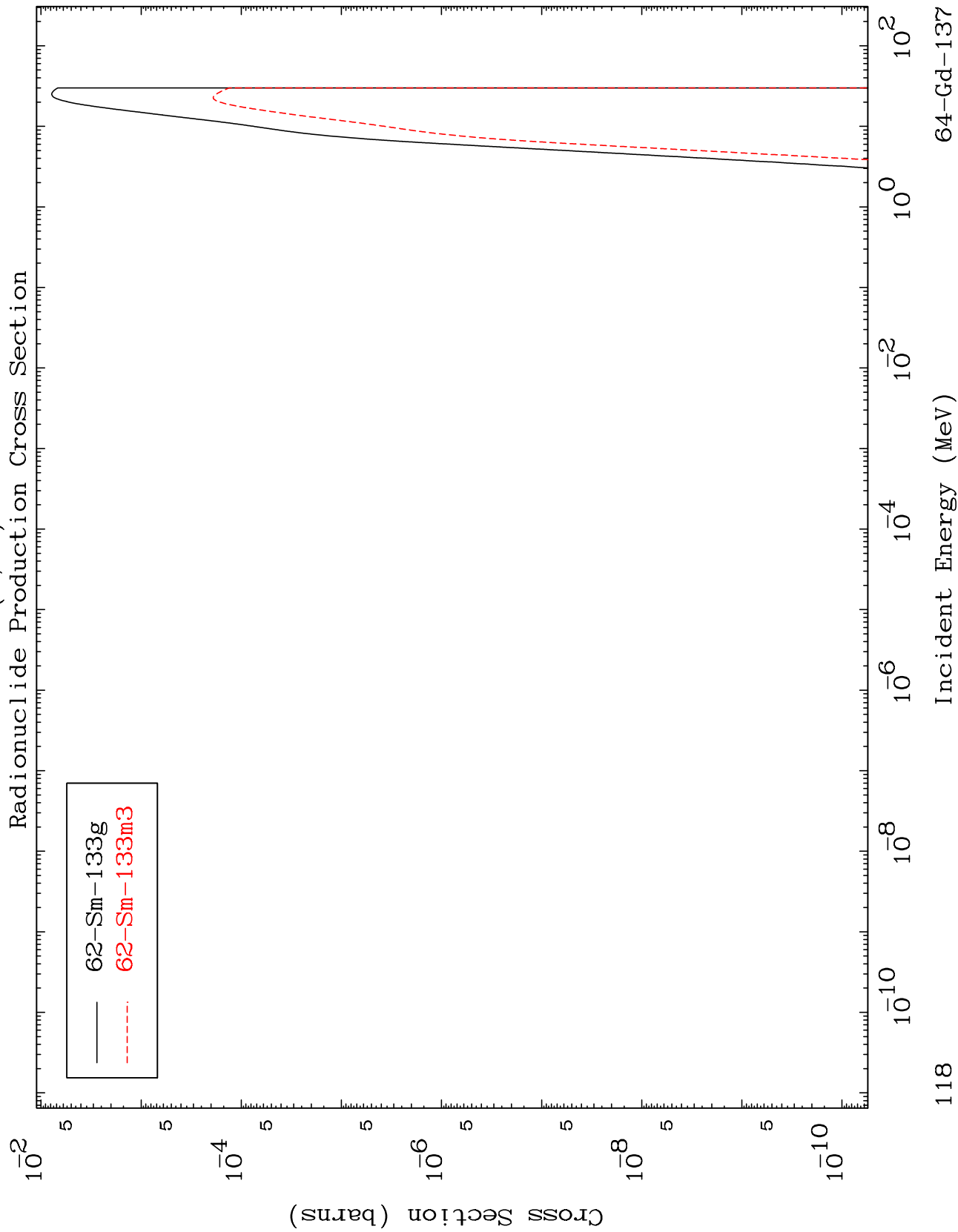
64-Gd-137

MAT 6380

$(n, n') \alpha$

64-Gd-137

Radionuclide Production Cross Section

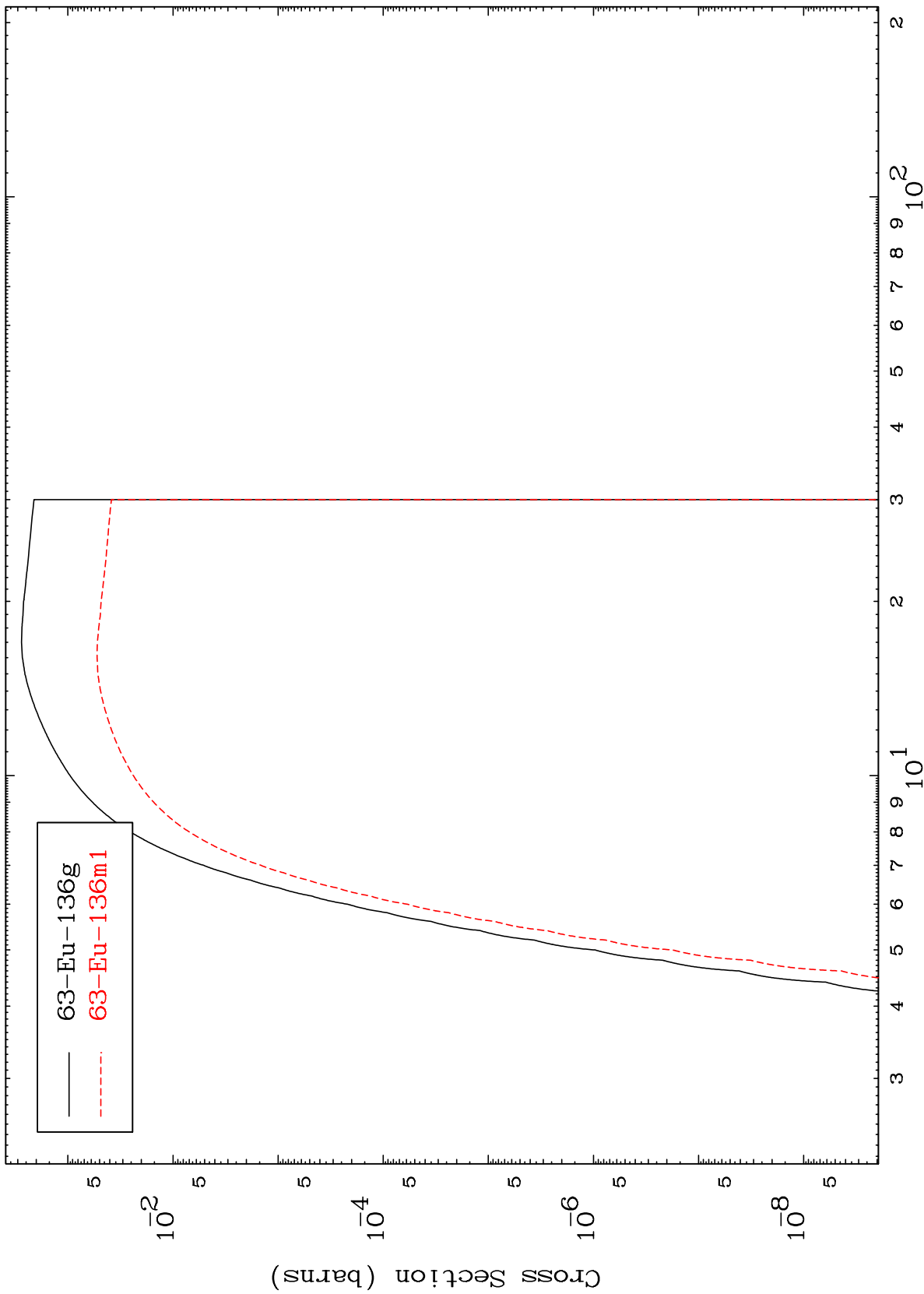


MAT 6380

(n,n') p

64-Gd-137

Radionuclide Production Cross Section



119

Incident Energy (MeV)

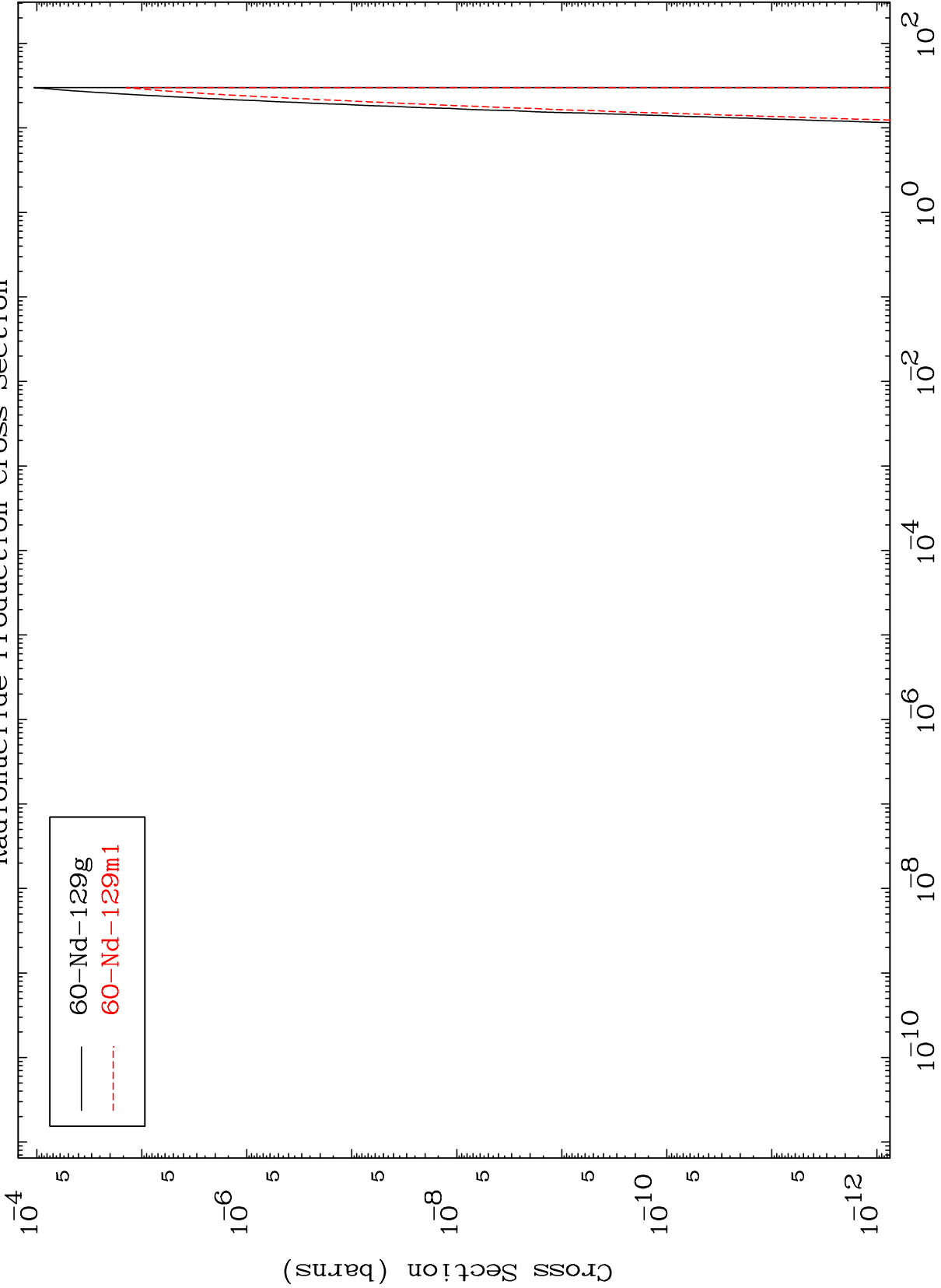
64-Gd-137

MAT 6380

(n,n') 2α

64-Gd-137

Radionuclide Production Cross Section



60-Nd-129g
60-Nd-129m1

120

Incident Energy (MeV)

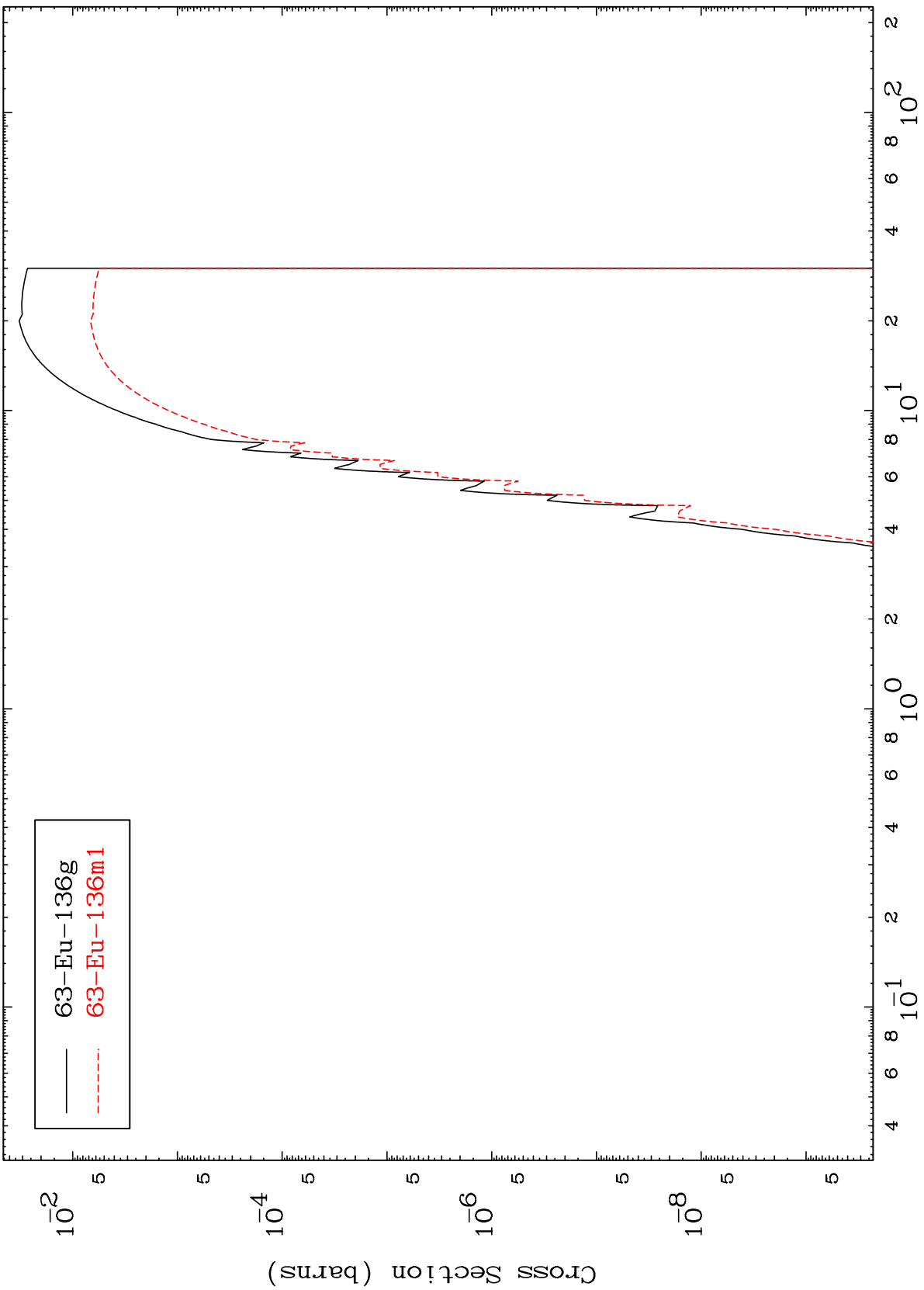
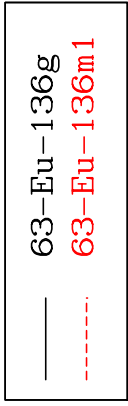
64-Gd-137

MAT 6380

(n,d)

64-Gd-137

Radionuclide Production Cross Section



121

Incident Energy (MeV)

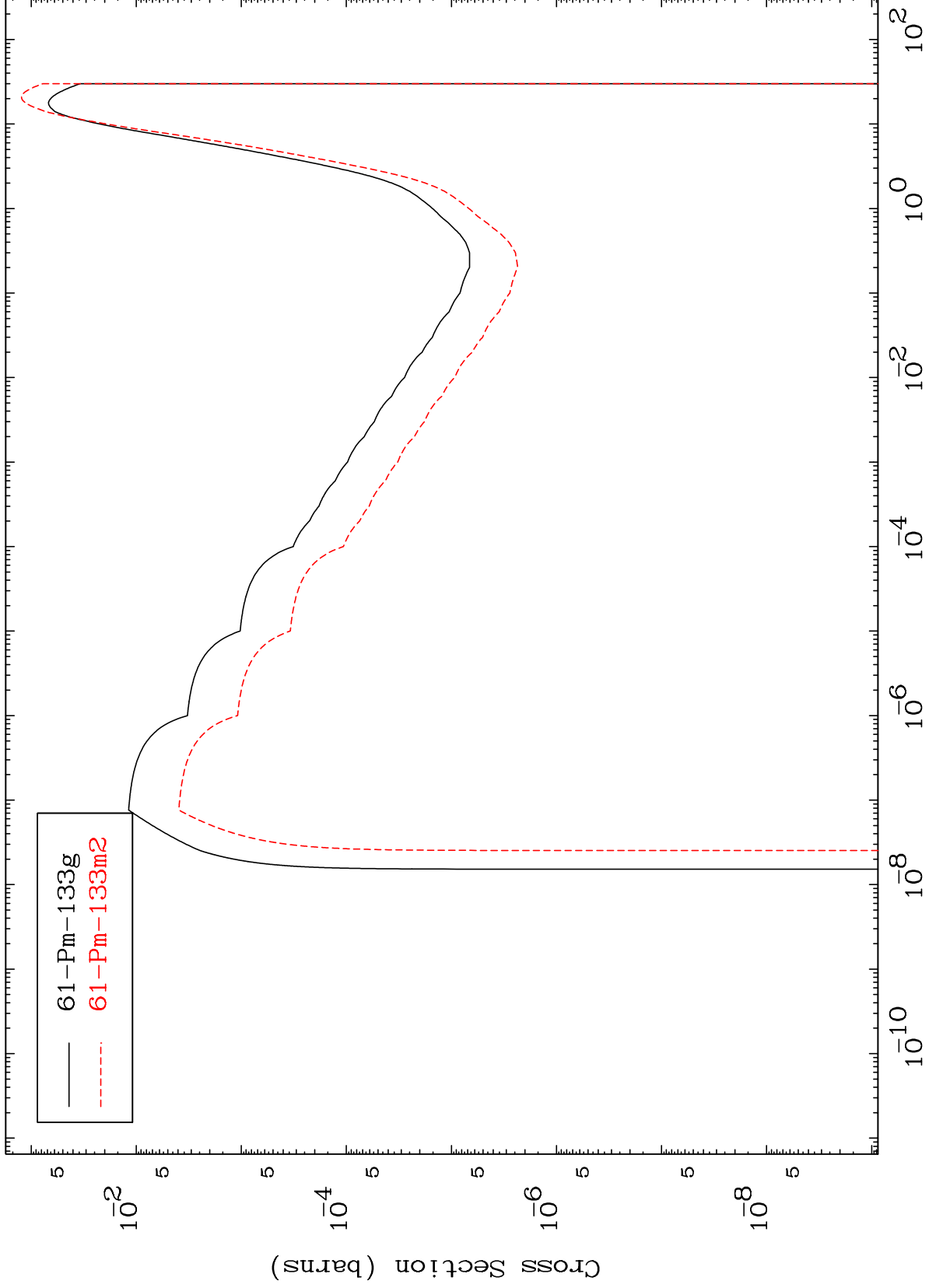
64-Gd-137

MAT 6380

(n,p) α

64-Gd-137

Radionuclide Production Cross Section



122

Incident Energy (MeV)

64-Gd-137