

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

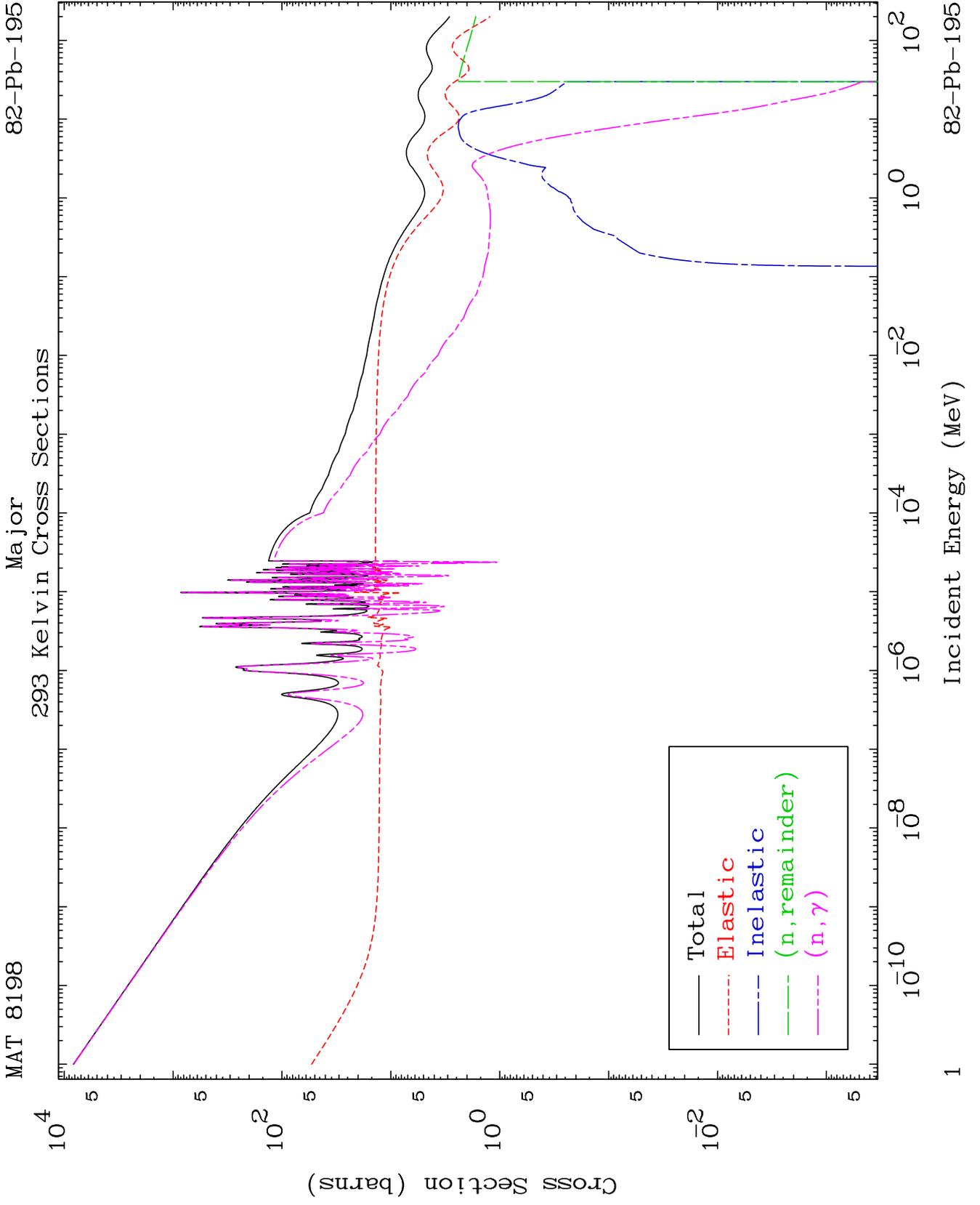
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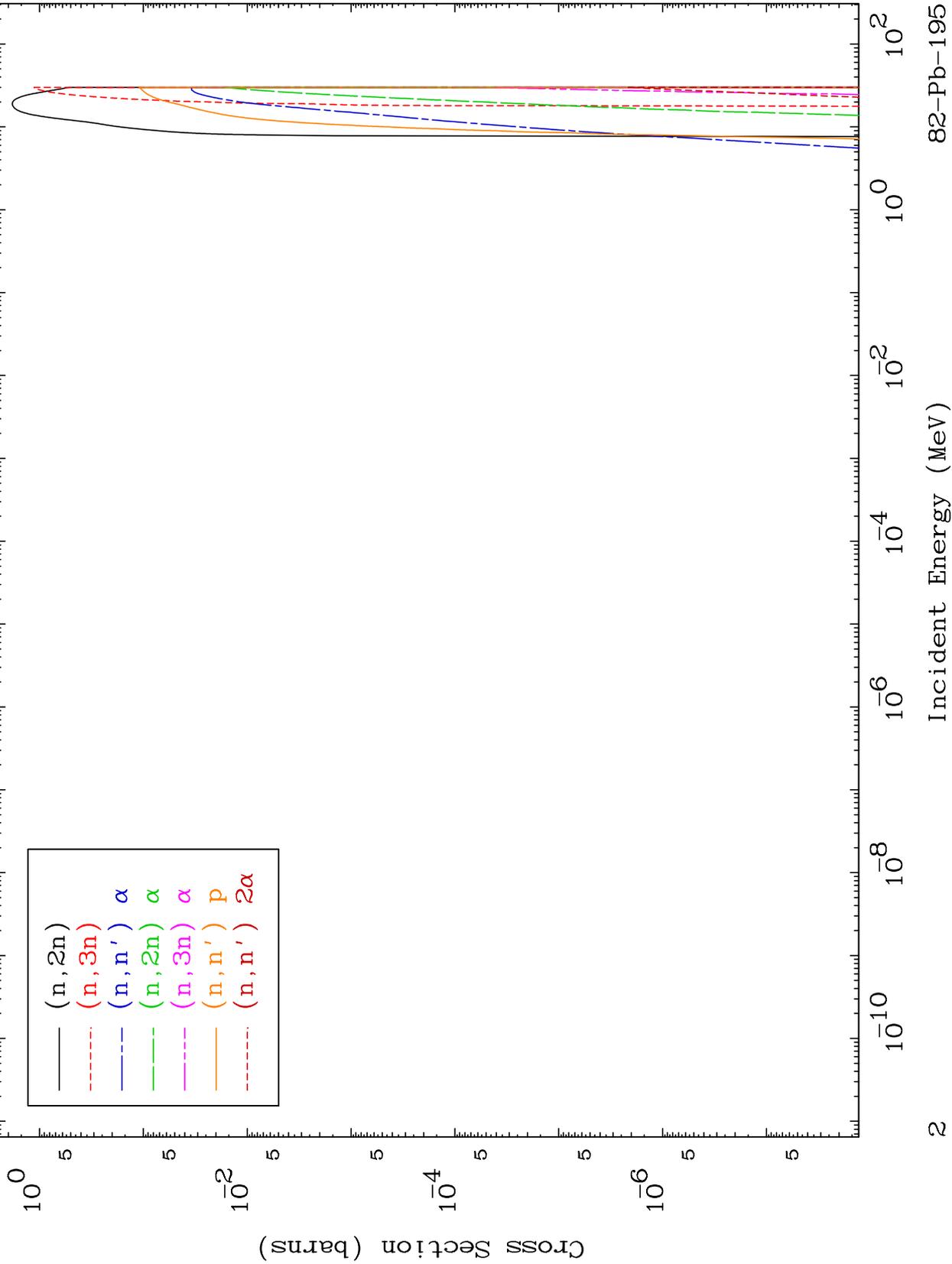
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MAT 8198

Neutron Production
293 Kelvin Cross Sections

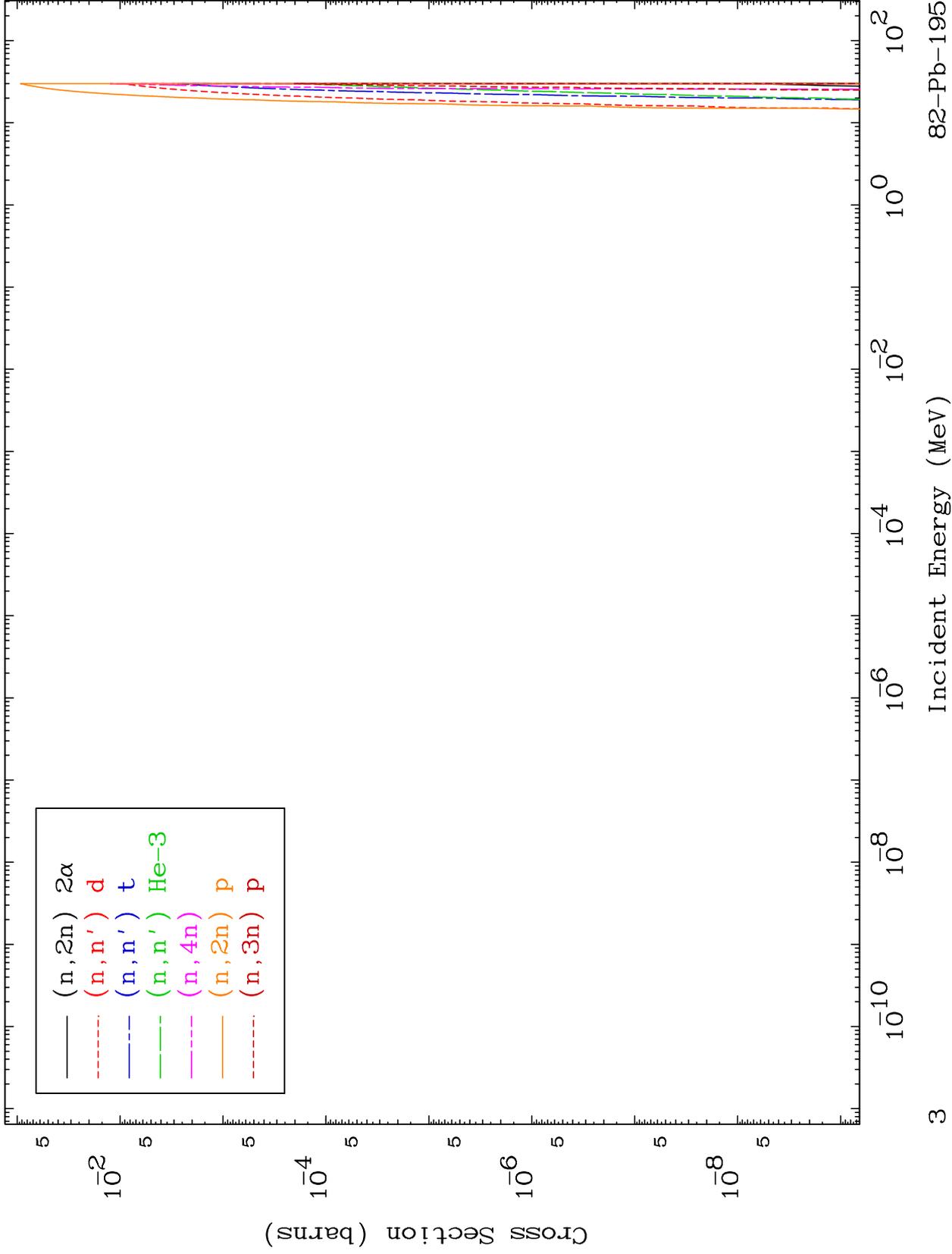
82-Pb-195



MAT 8198

Neutron Production
293 Kelvin Cross Sections

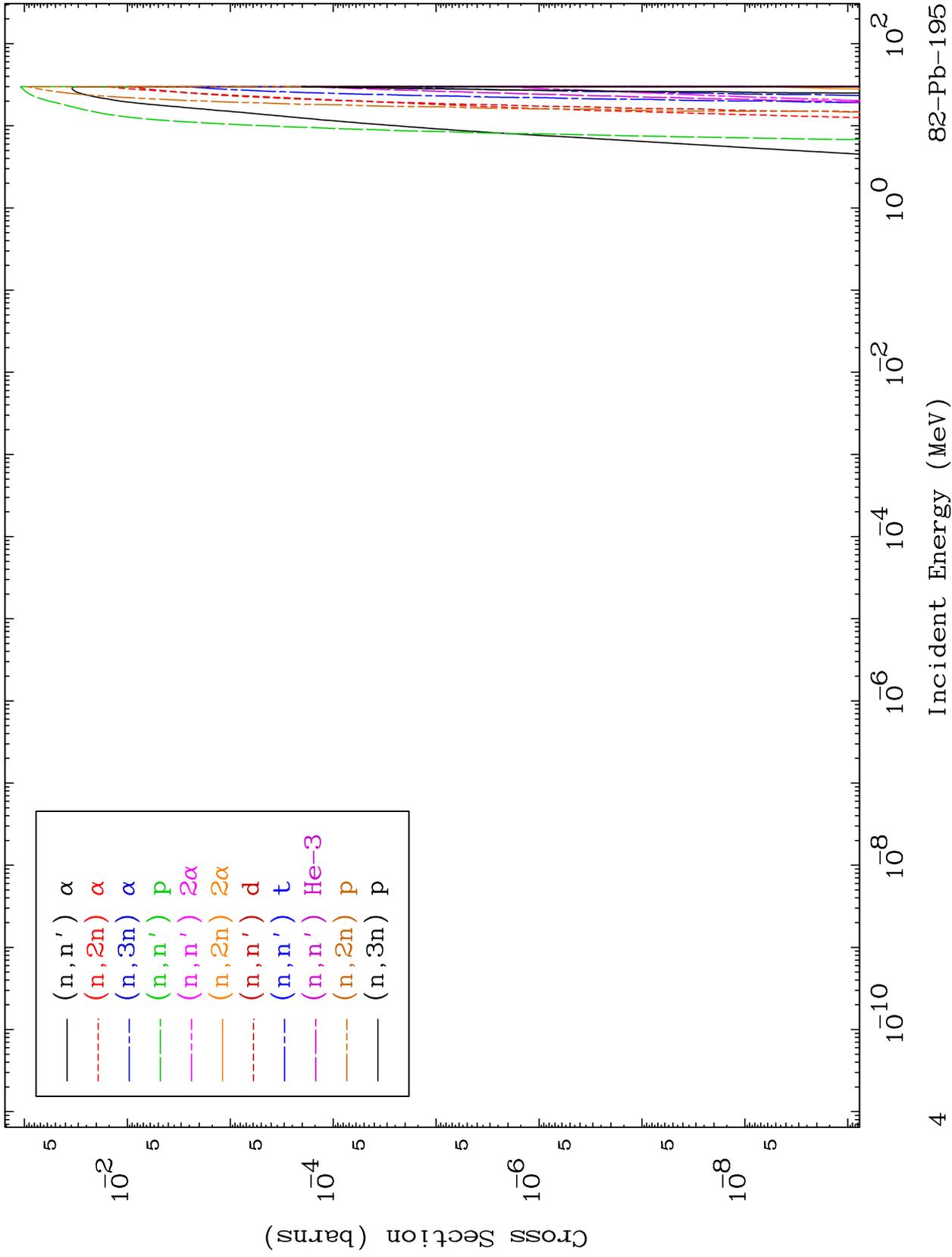
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MAT 8198

Charged Particle
293 Kelvin Cross Sections

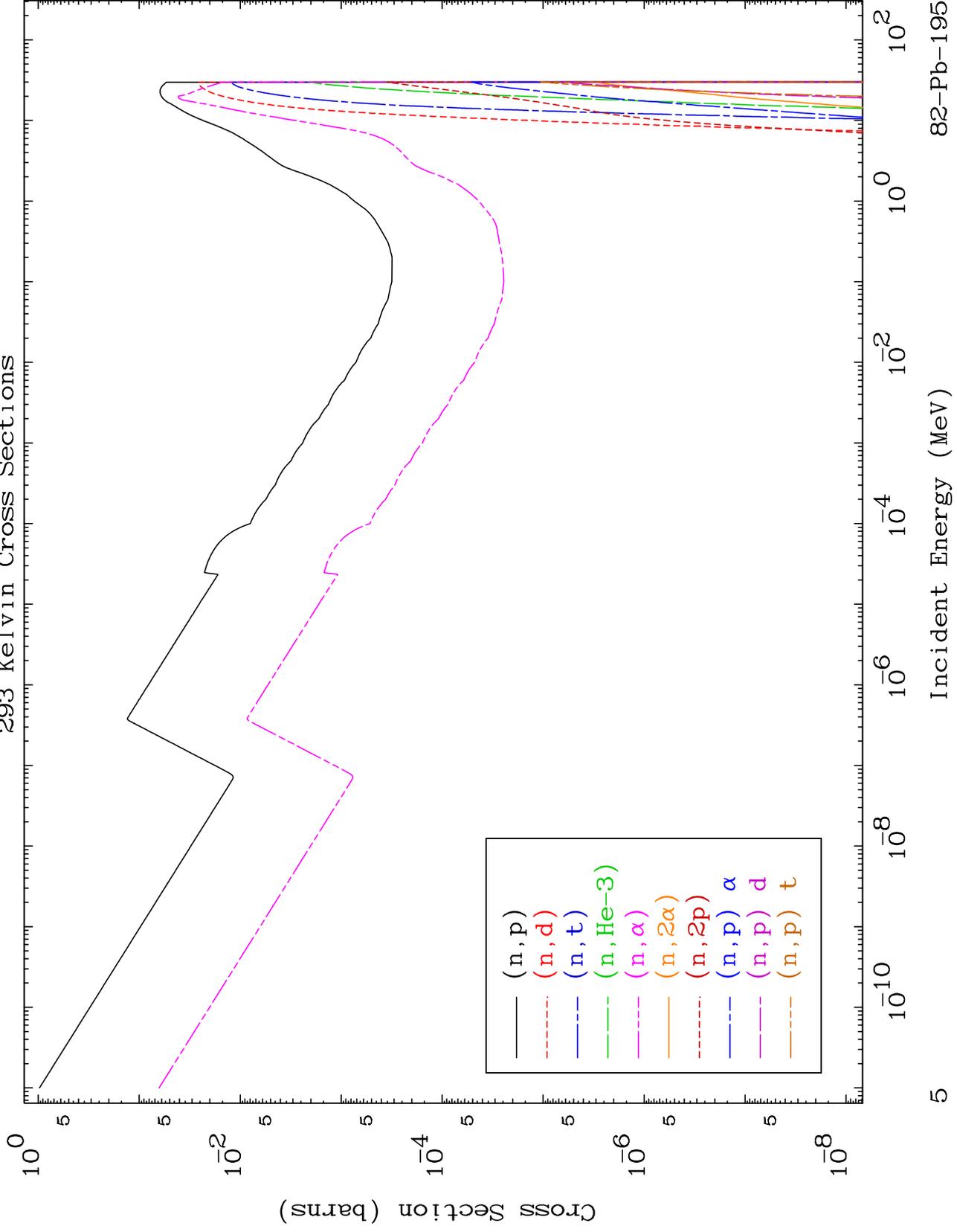
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MAT 8198

Charged Particle
293 Kelvin Cross Sections

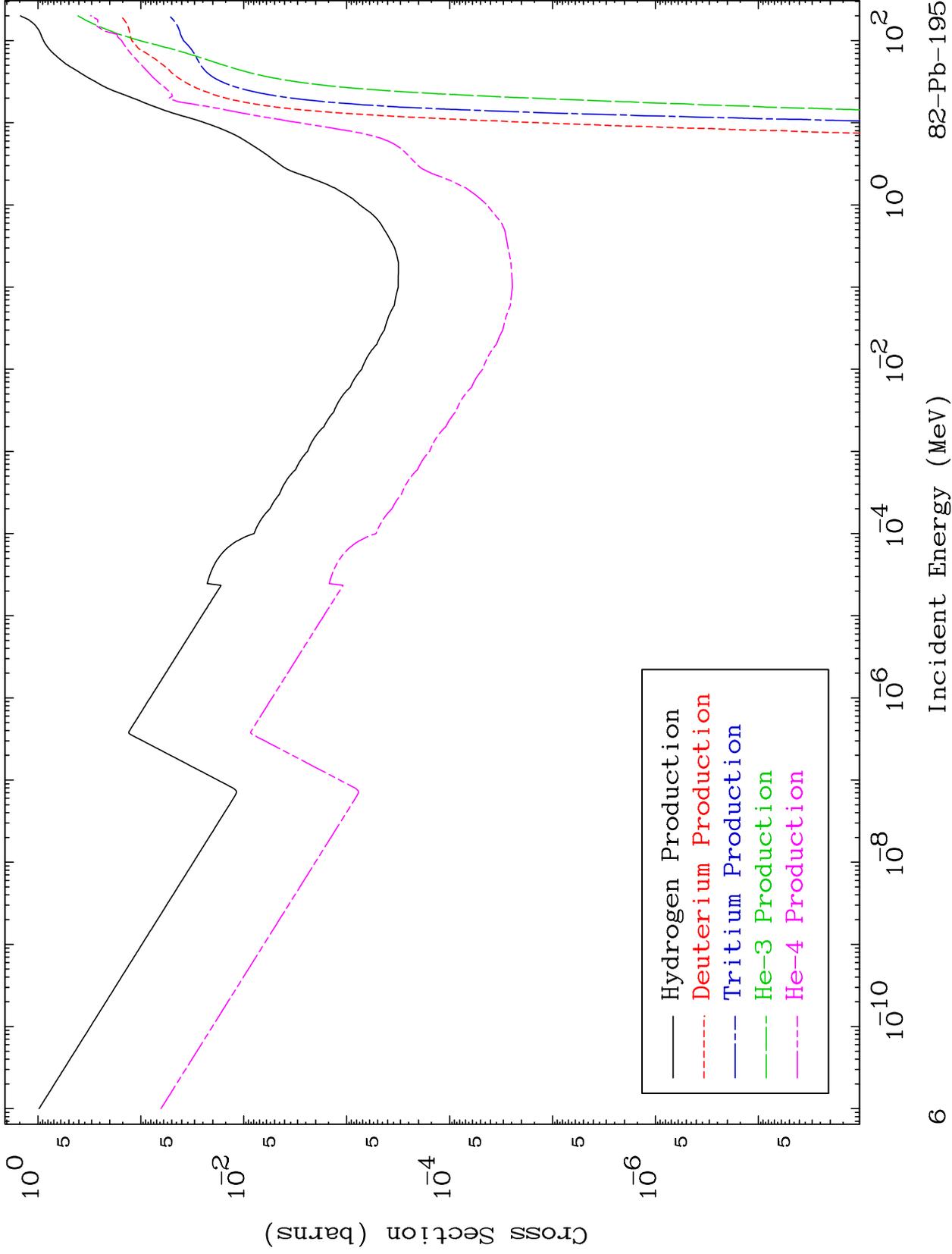
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MAT 8198

Particle Production
293 Kelvin Cross Sections

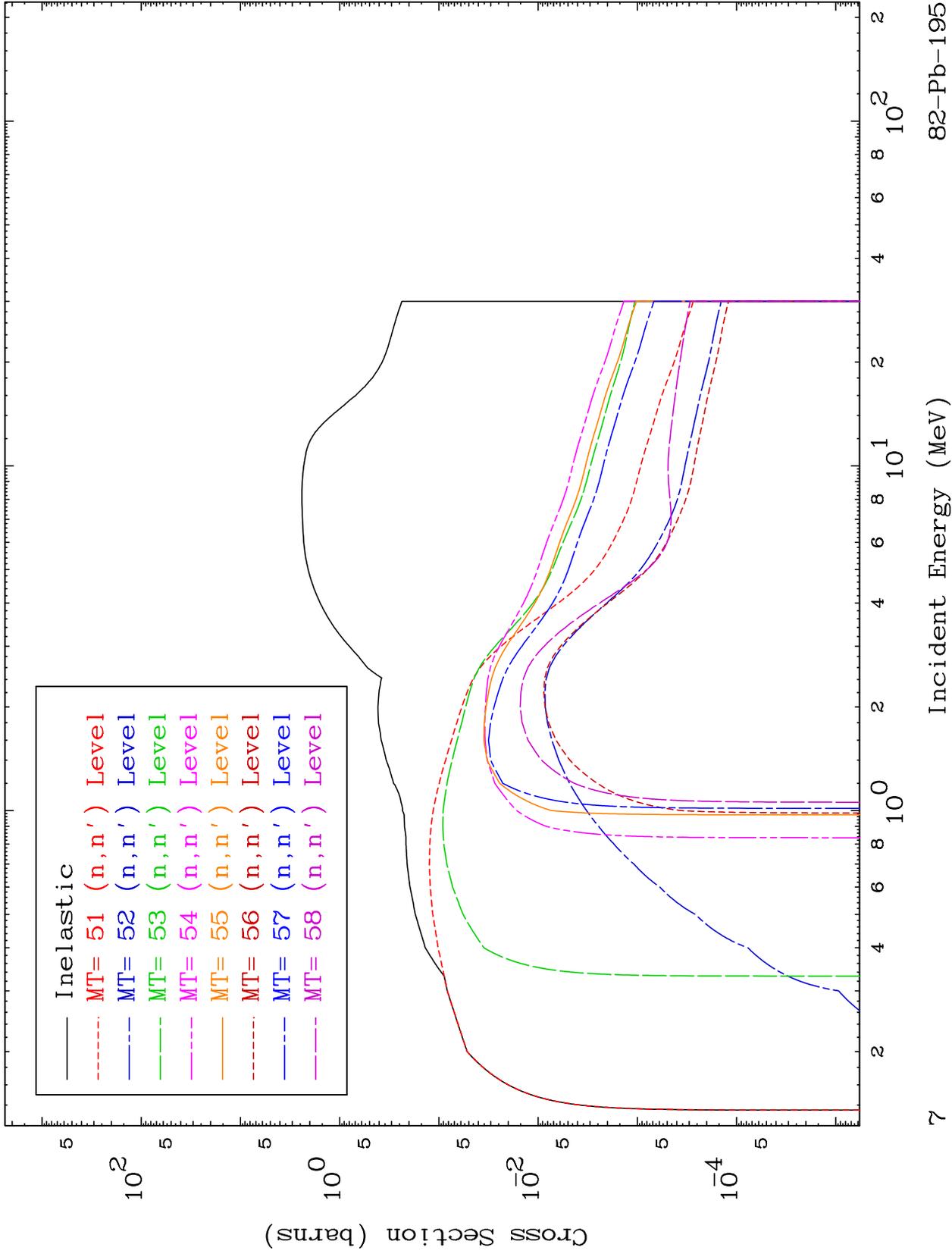
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MAT 8198

(n,n') Level
293 Kelvin Cross Sections

82-Pb-195

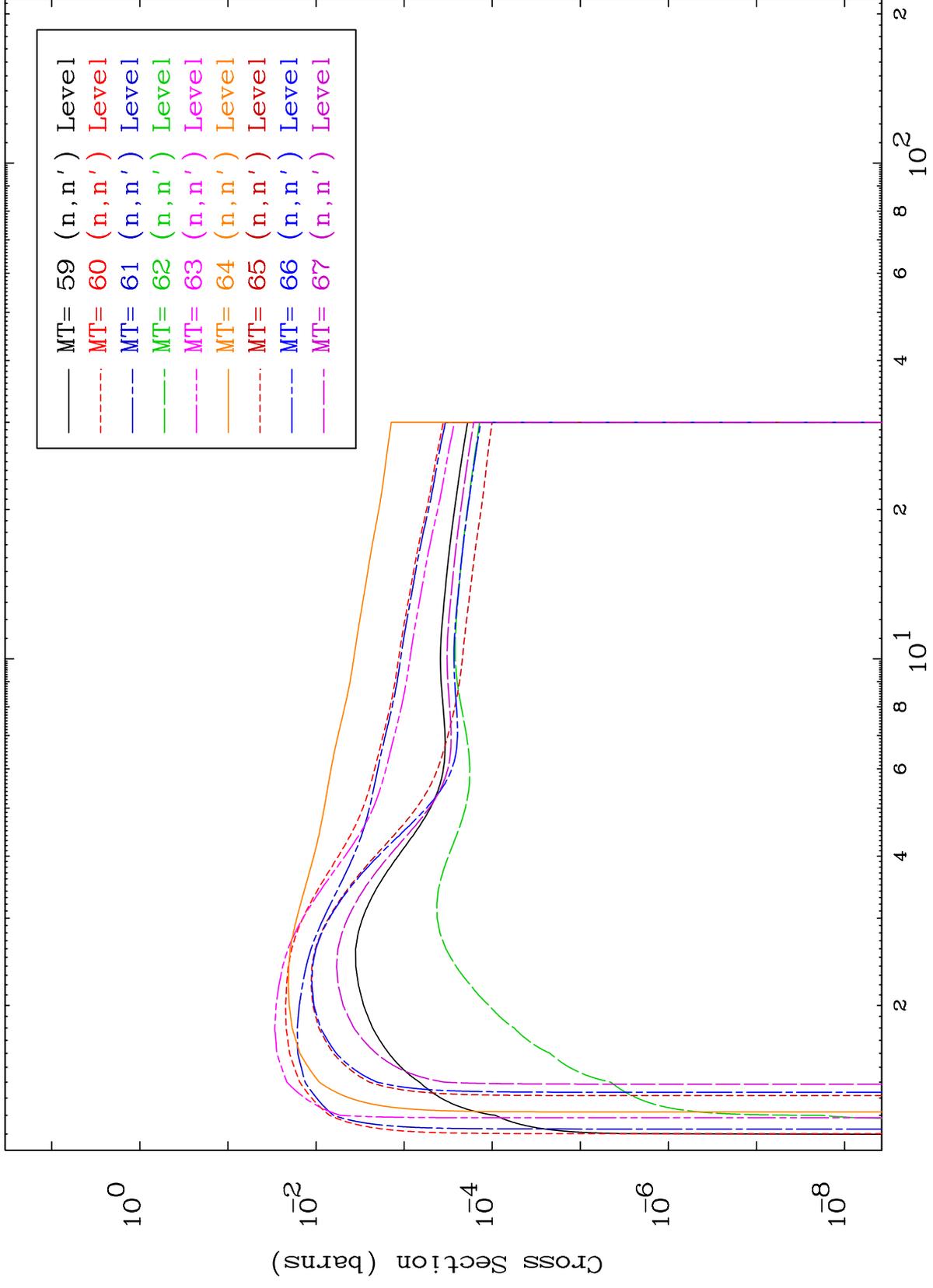


MAT 8198

(n,n') Level

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293 Kelvin Cross Sections

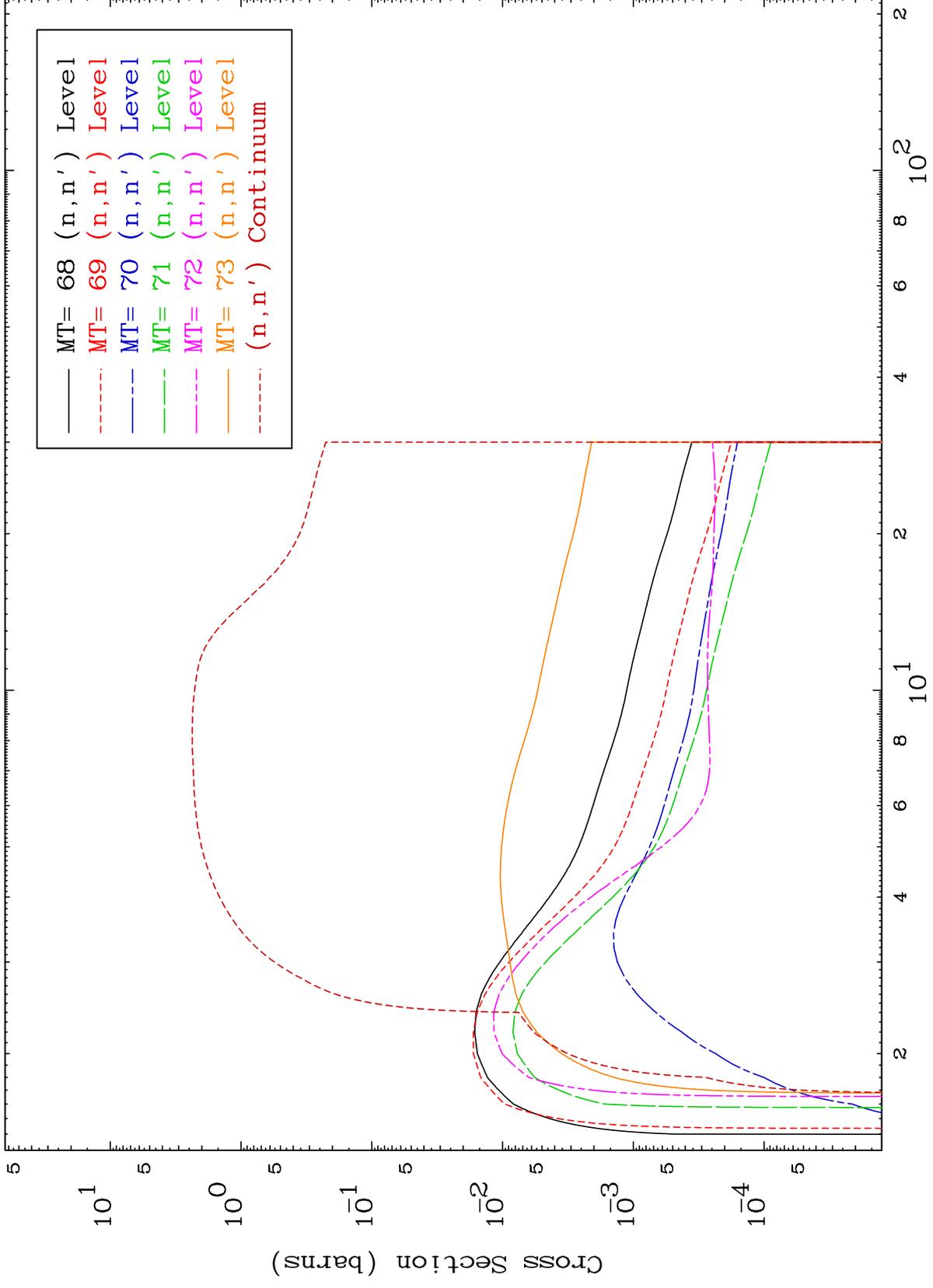


8

Incident Energy (MeV)

82-Pb-195

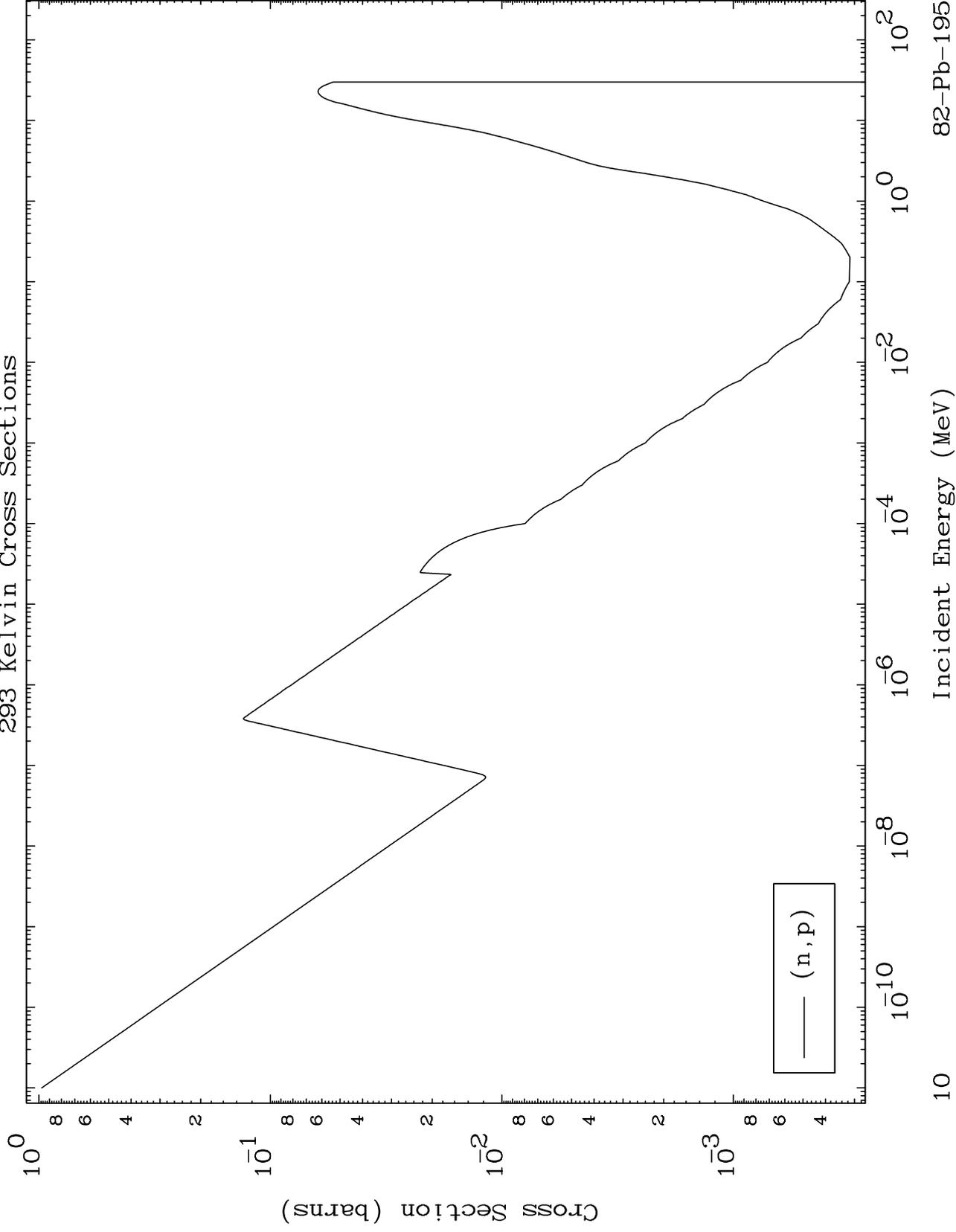
293 Kelvin Cross Sections



MAT 8198

(n,p) Levels
293 Kelvin Cross Sections

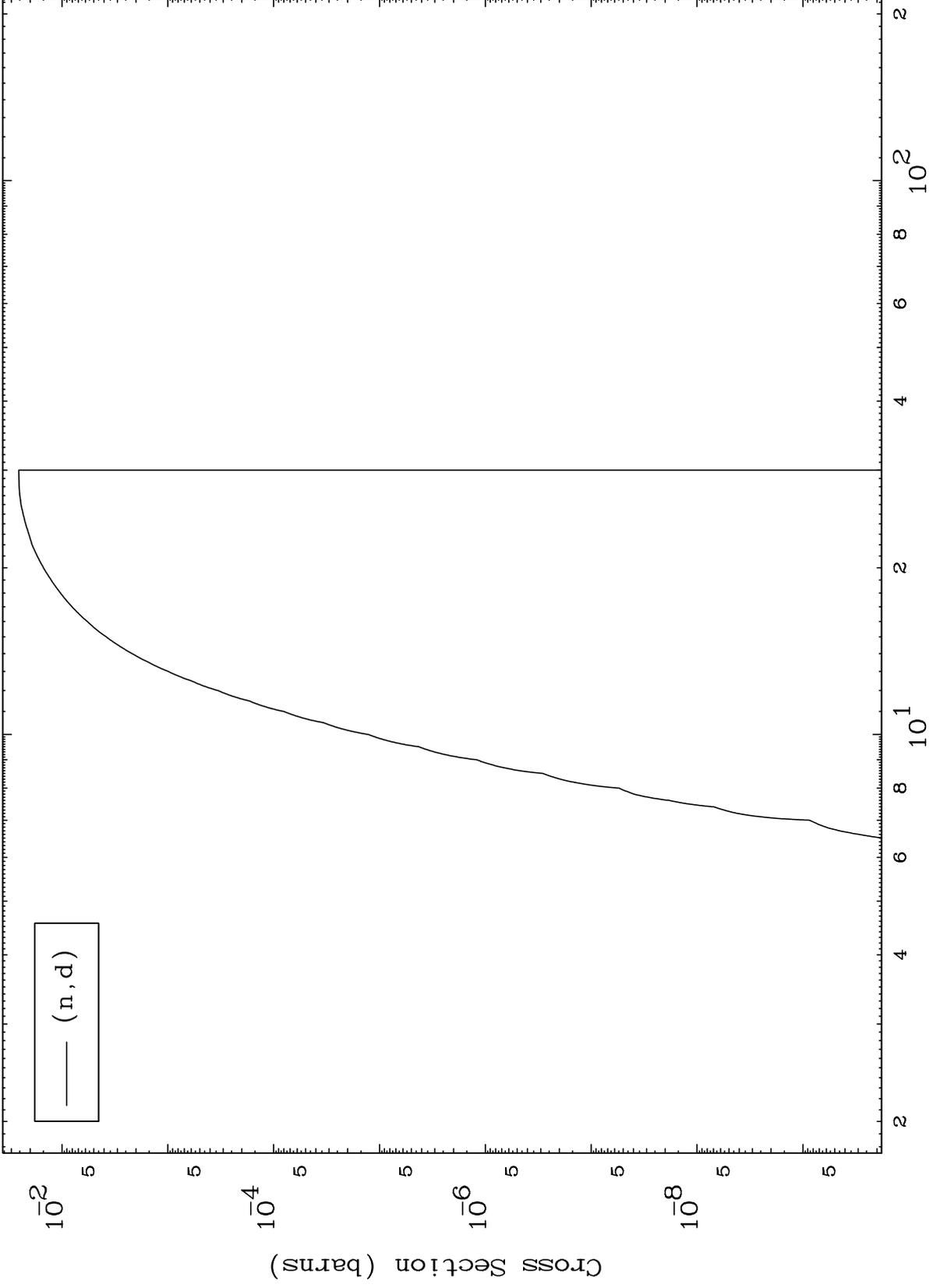
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MAT 8198

(n,d) Levels
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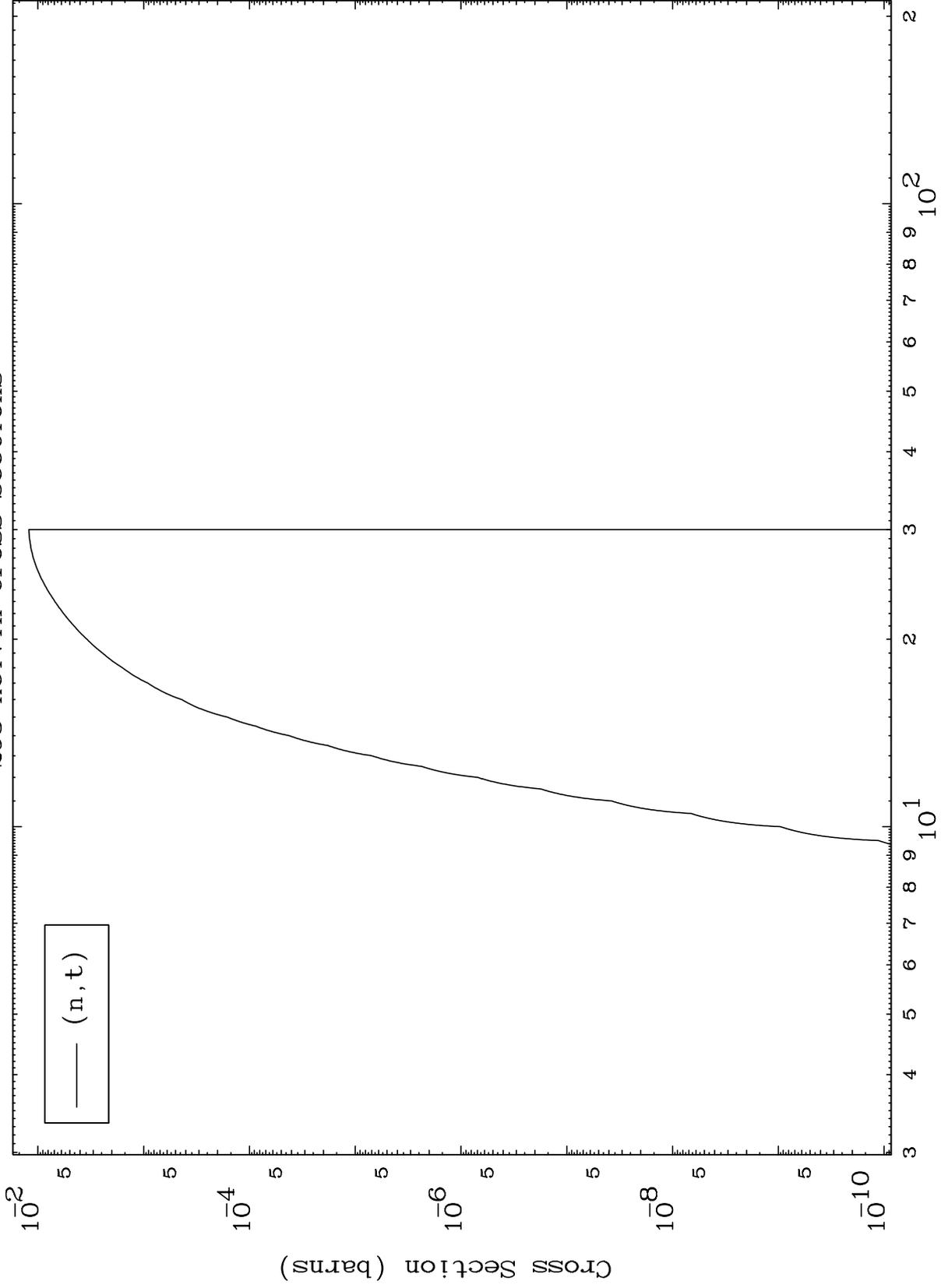
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MAT 8198

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-195



12

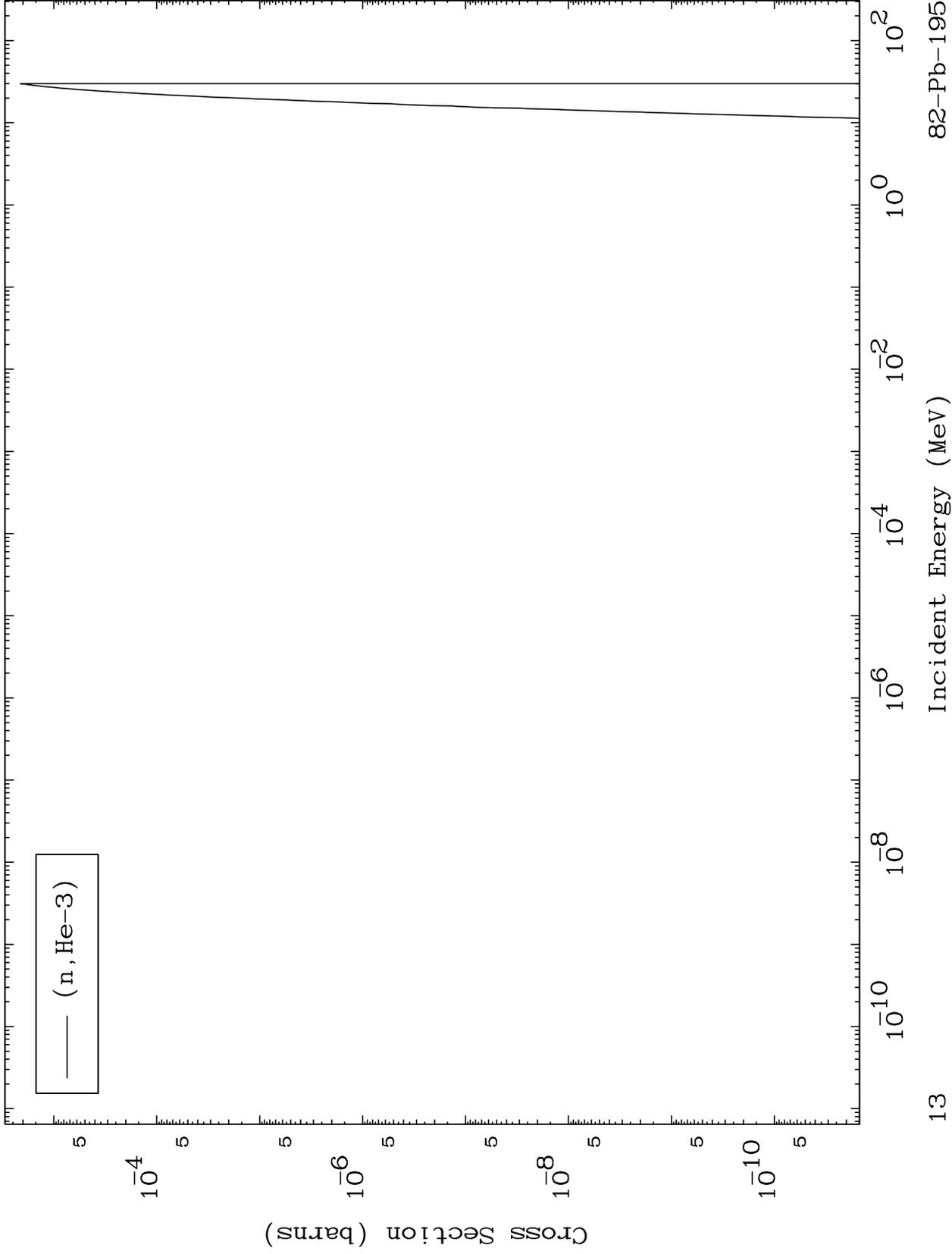
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82-Pb-195

MAT 8198

(n,He3) Levels
293 Kelvin Cross Sections

82-Pb-195



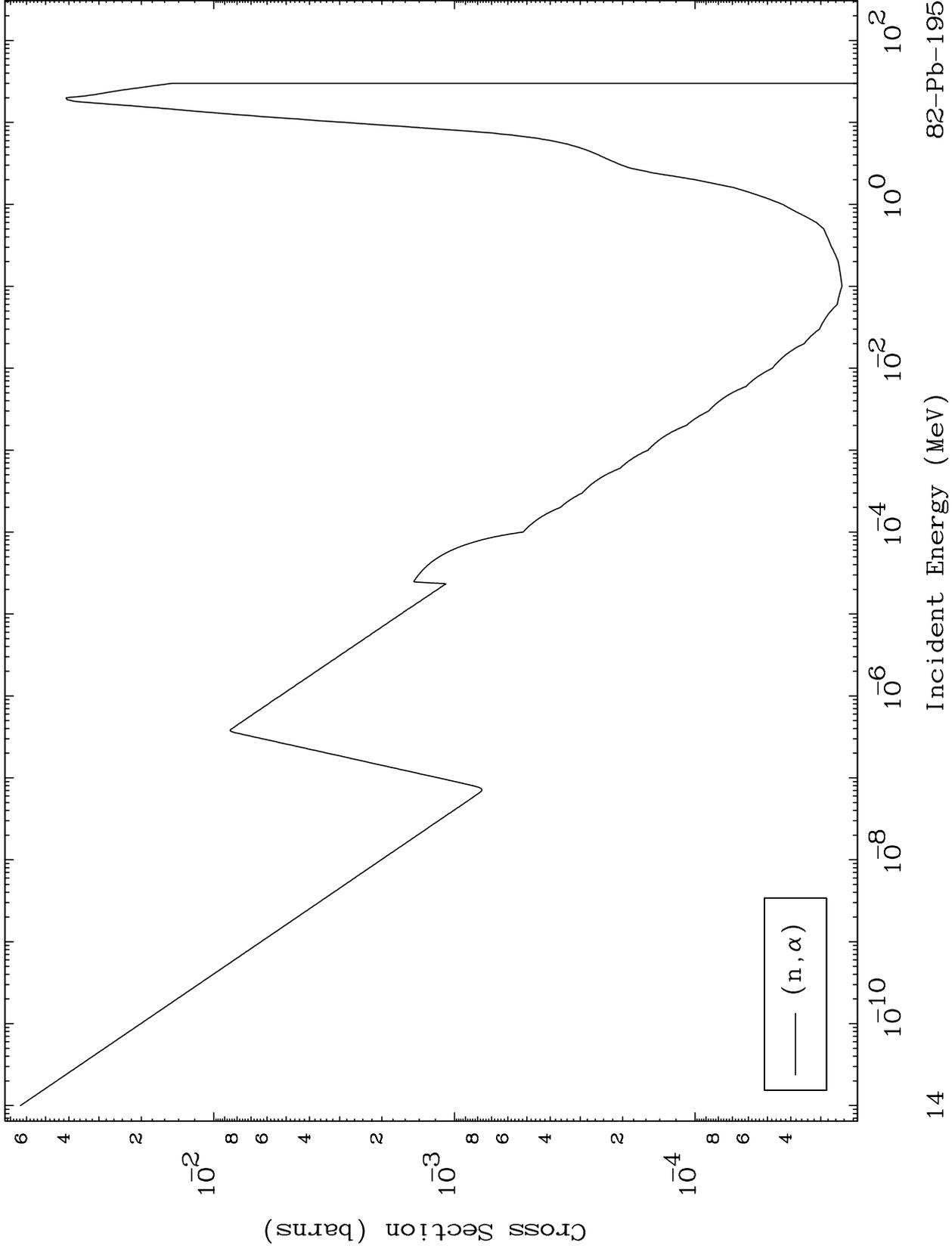
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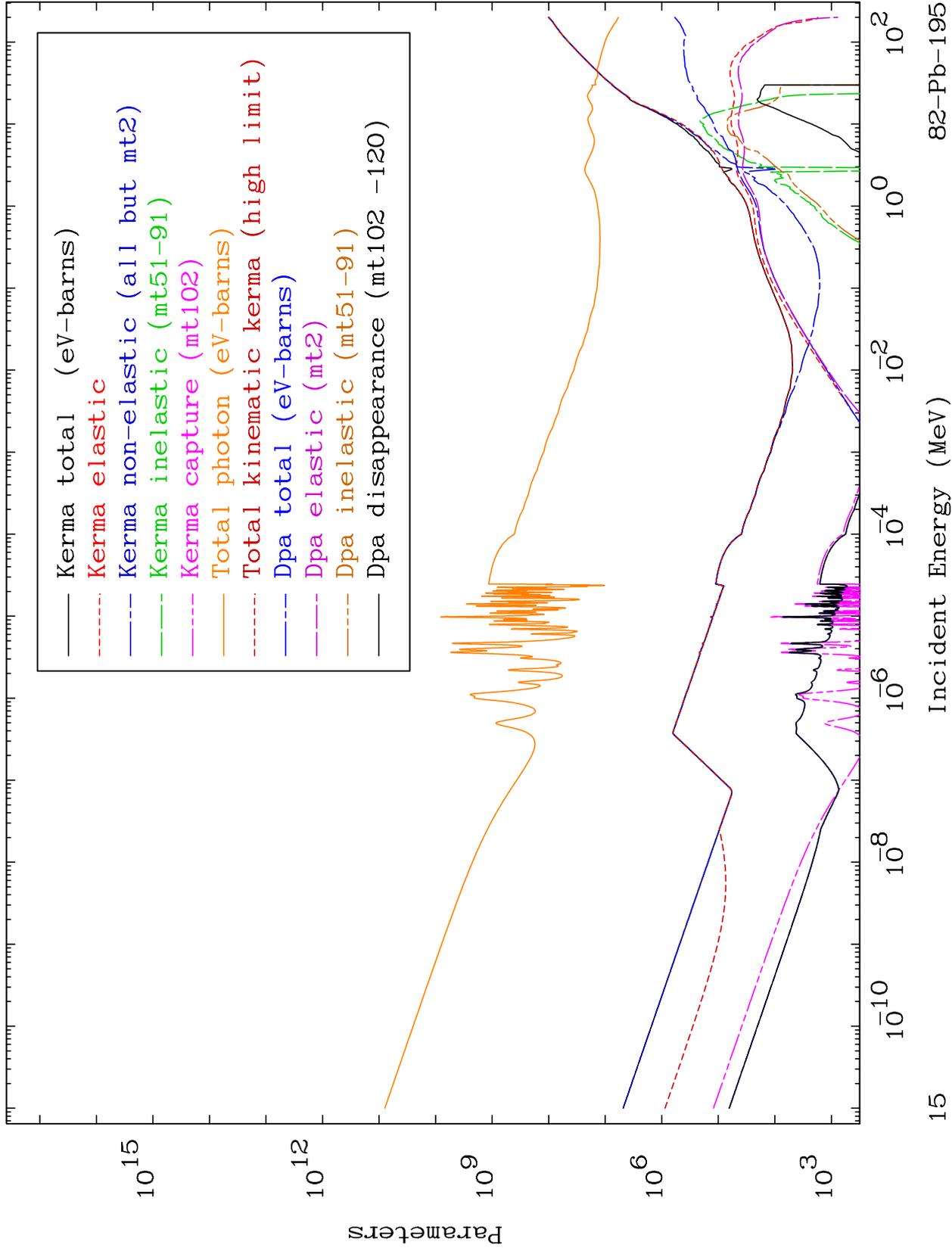
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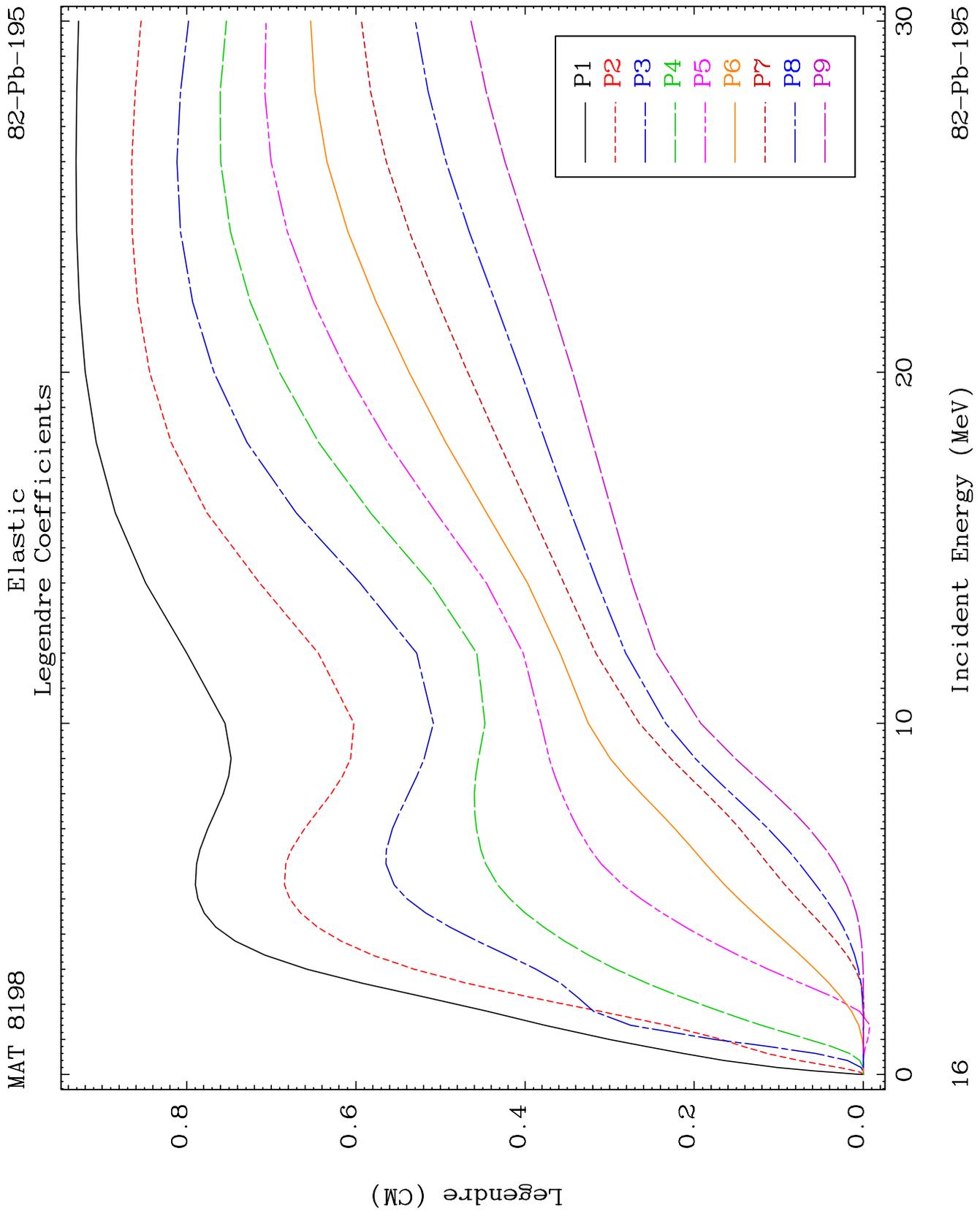
(n, α) Levels
293 Kelvin Cross Sections

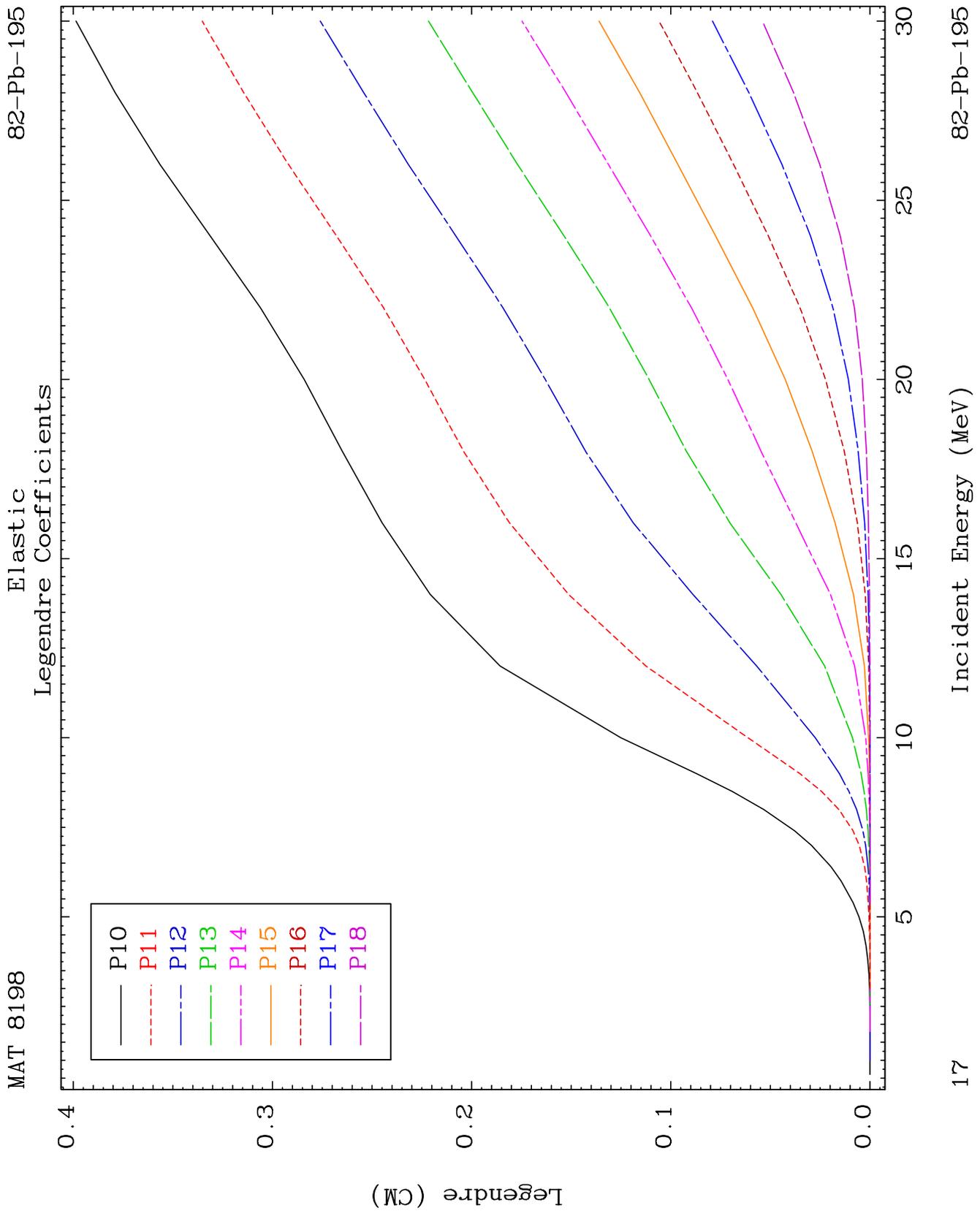
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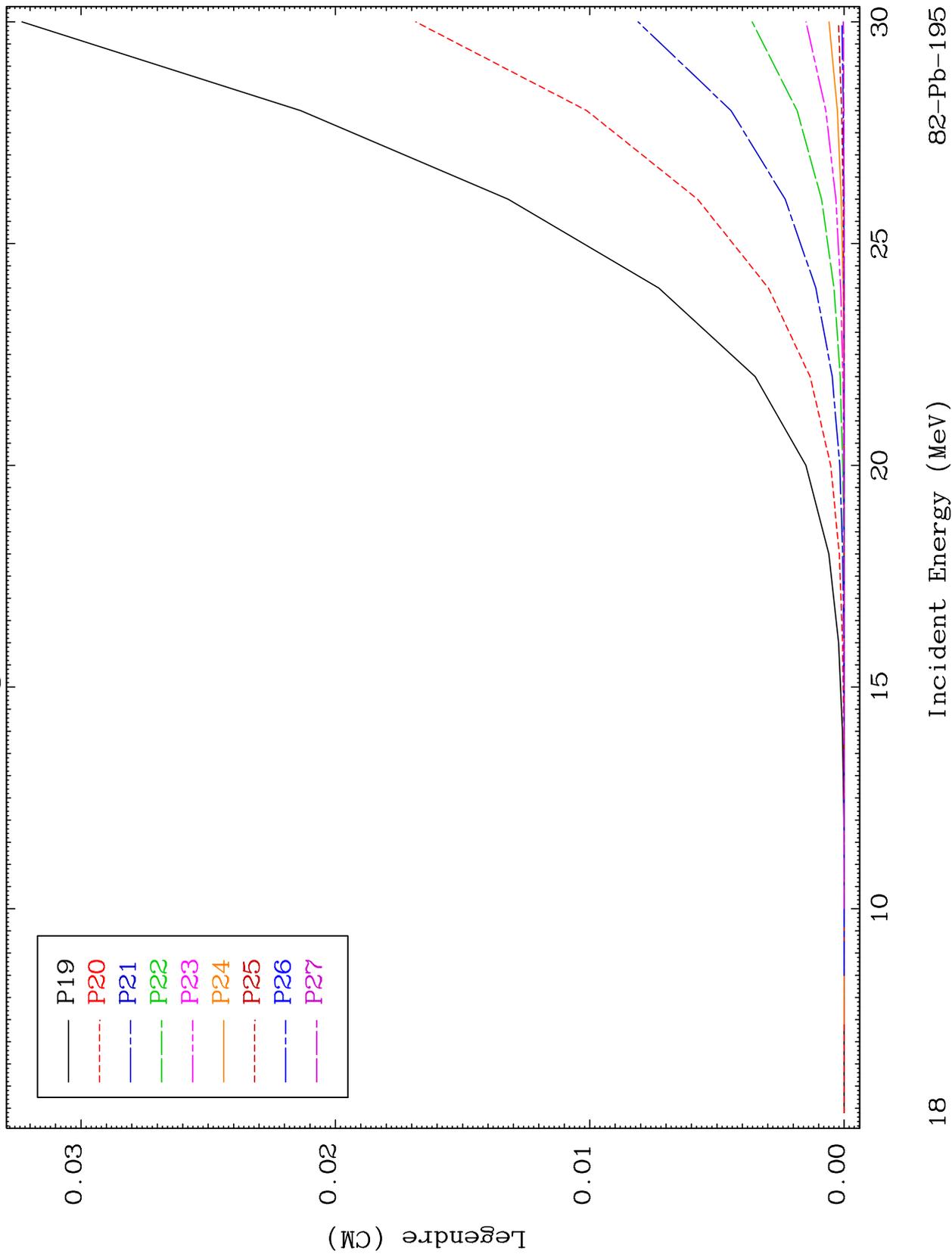




MAT 8198

Elastic Legendre Coefficients

82-Pb-195



18

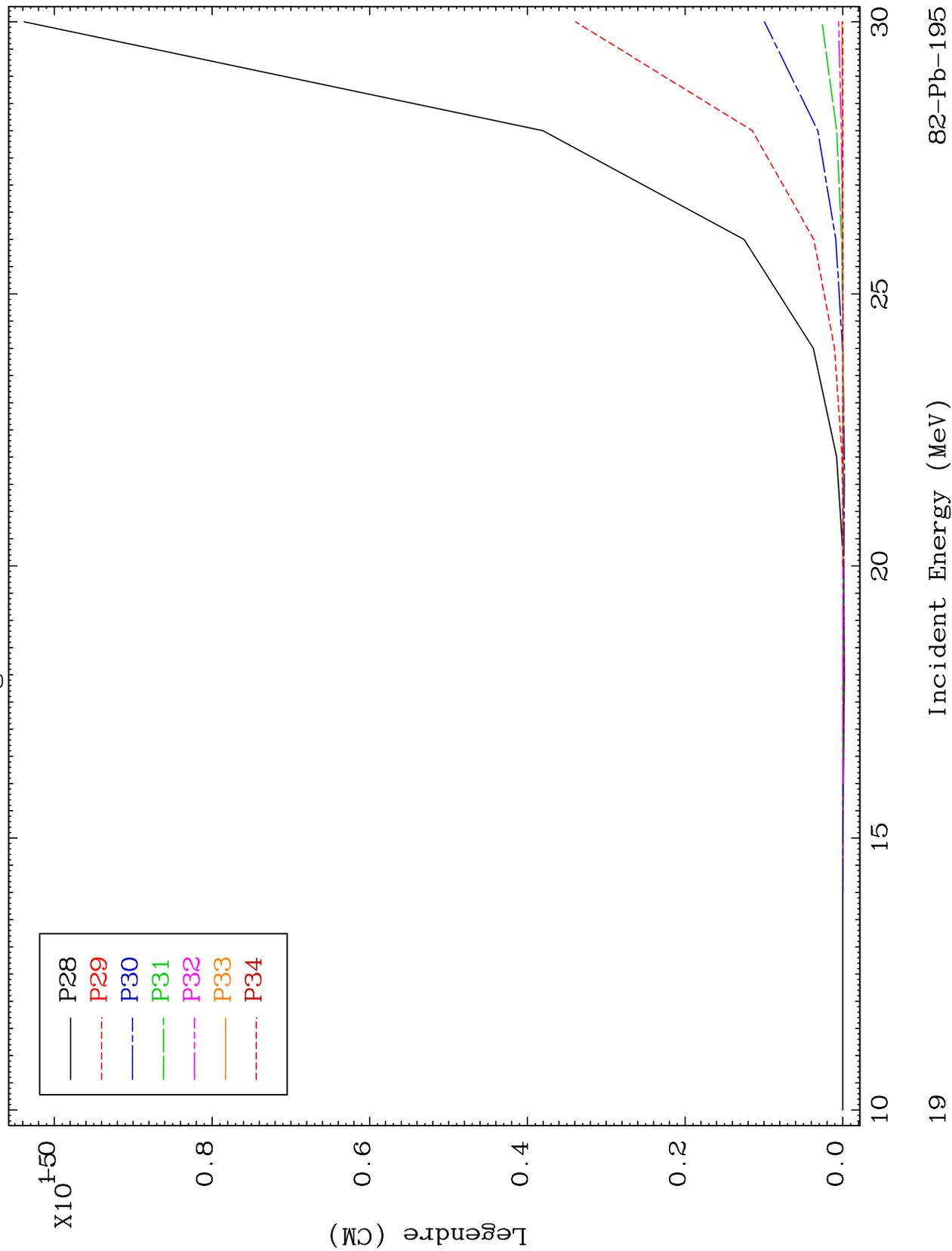
Incident Energy (MeV)

82-Pb-195

MAT 8198

Elastic Legendre Coefficients

82-Pb-195



19

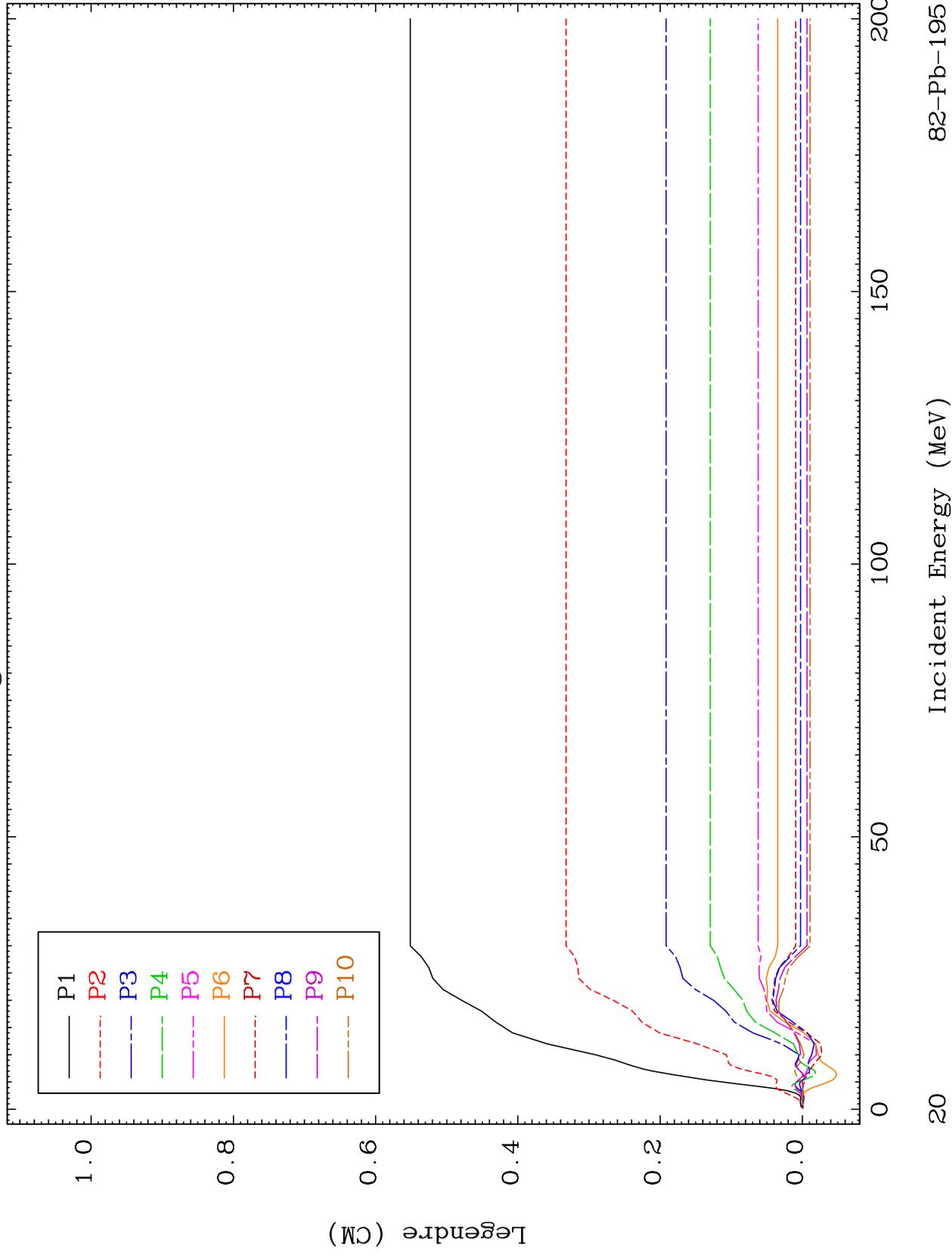
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

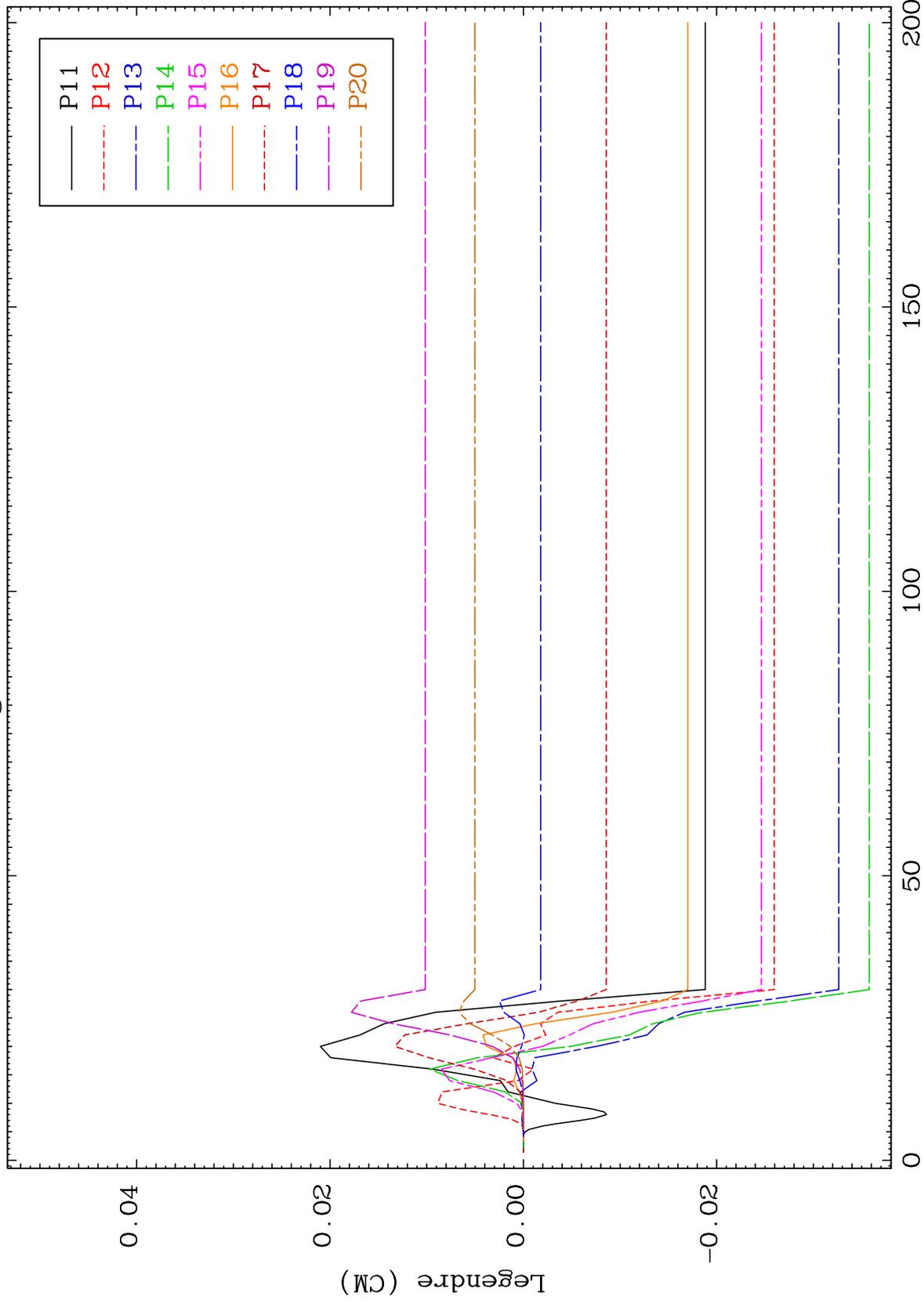
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MAT 8198

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

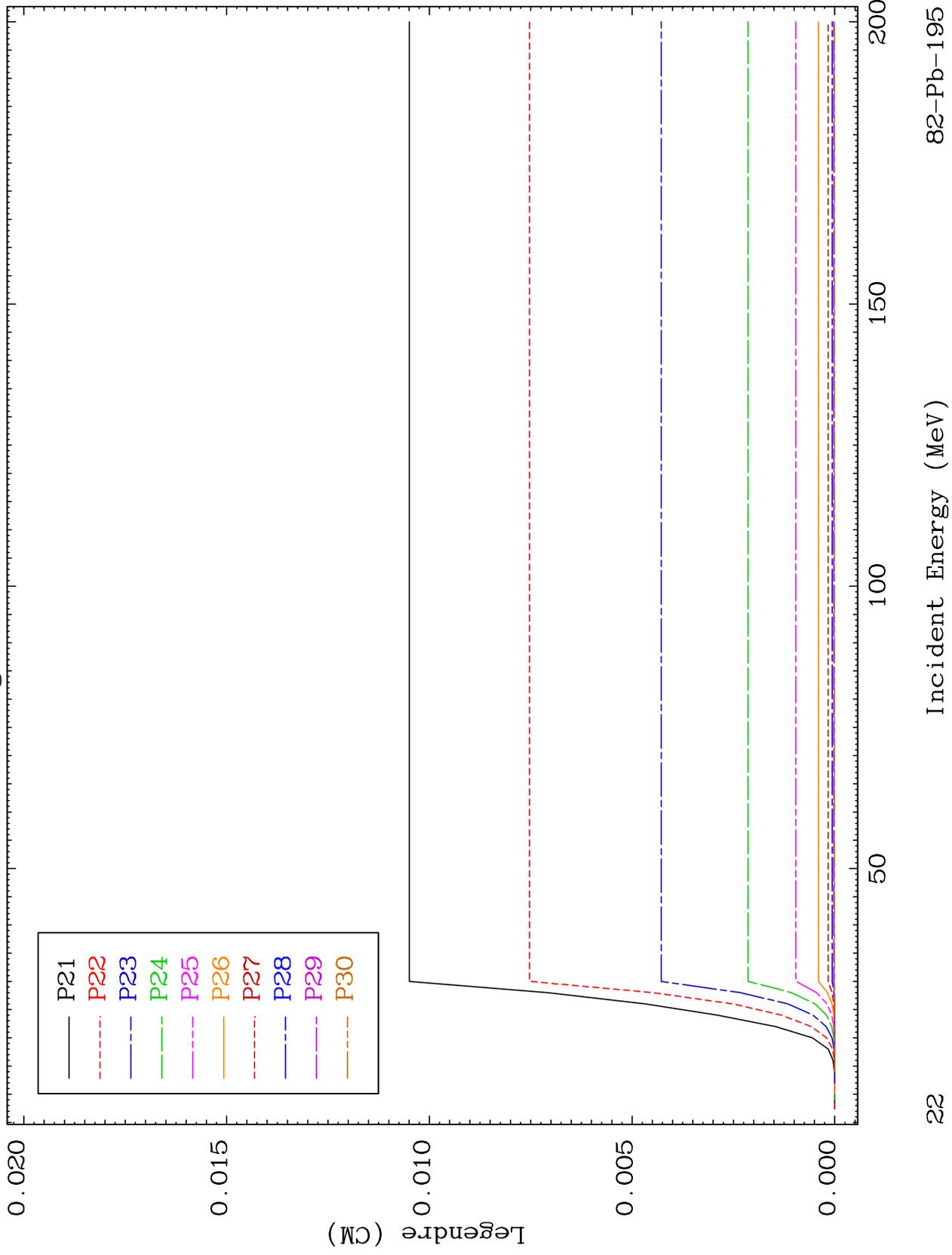
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MAT 8198

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

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22

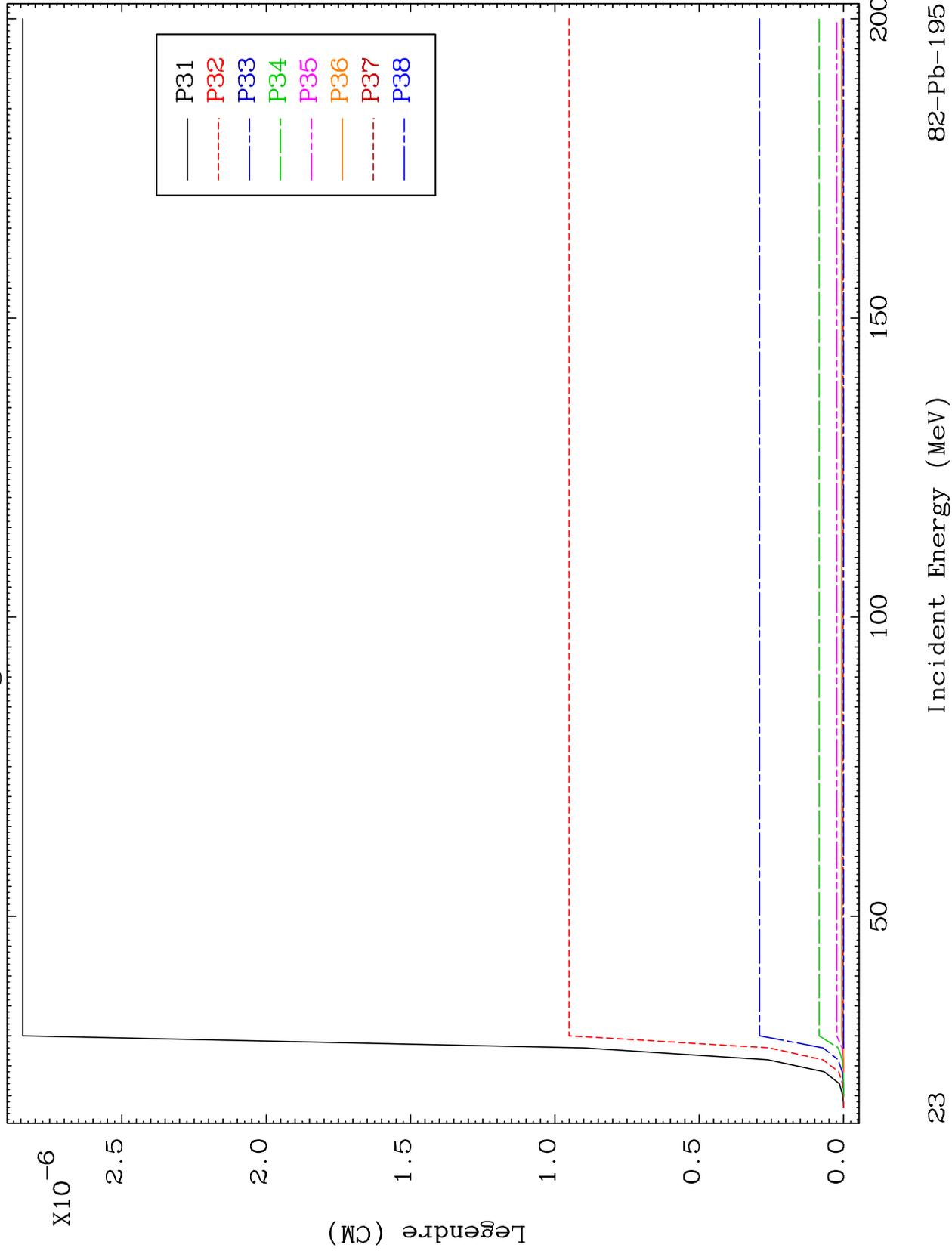
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

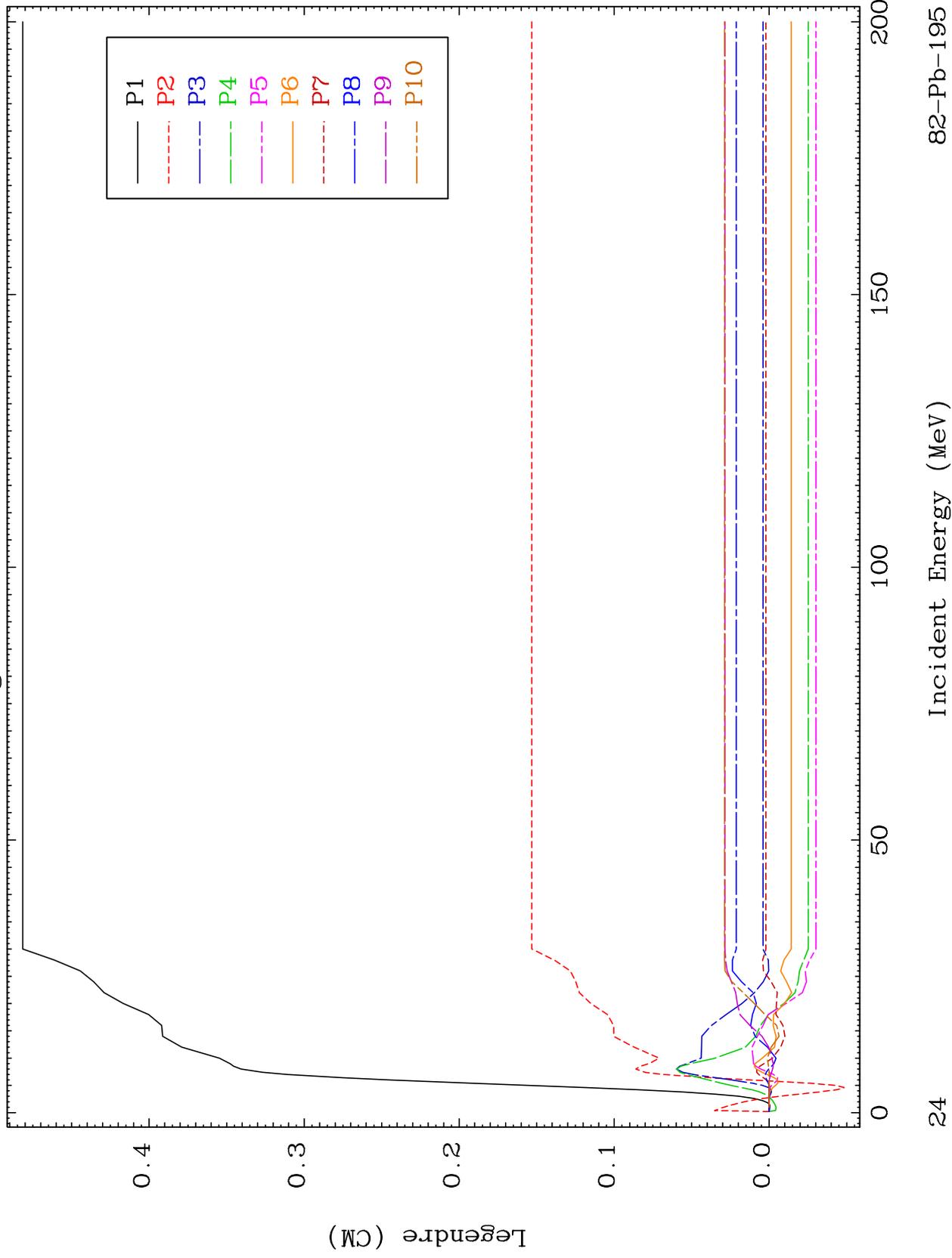
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MAT 8198

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

82-Pb-195



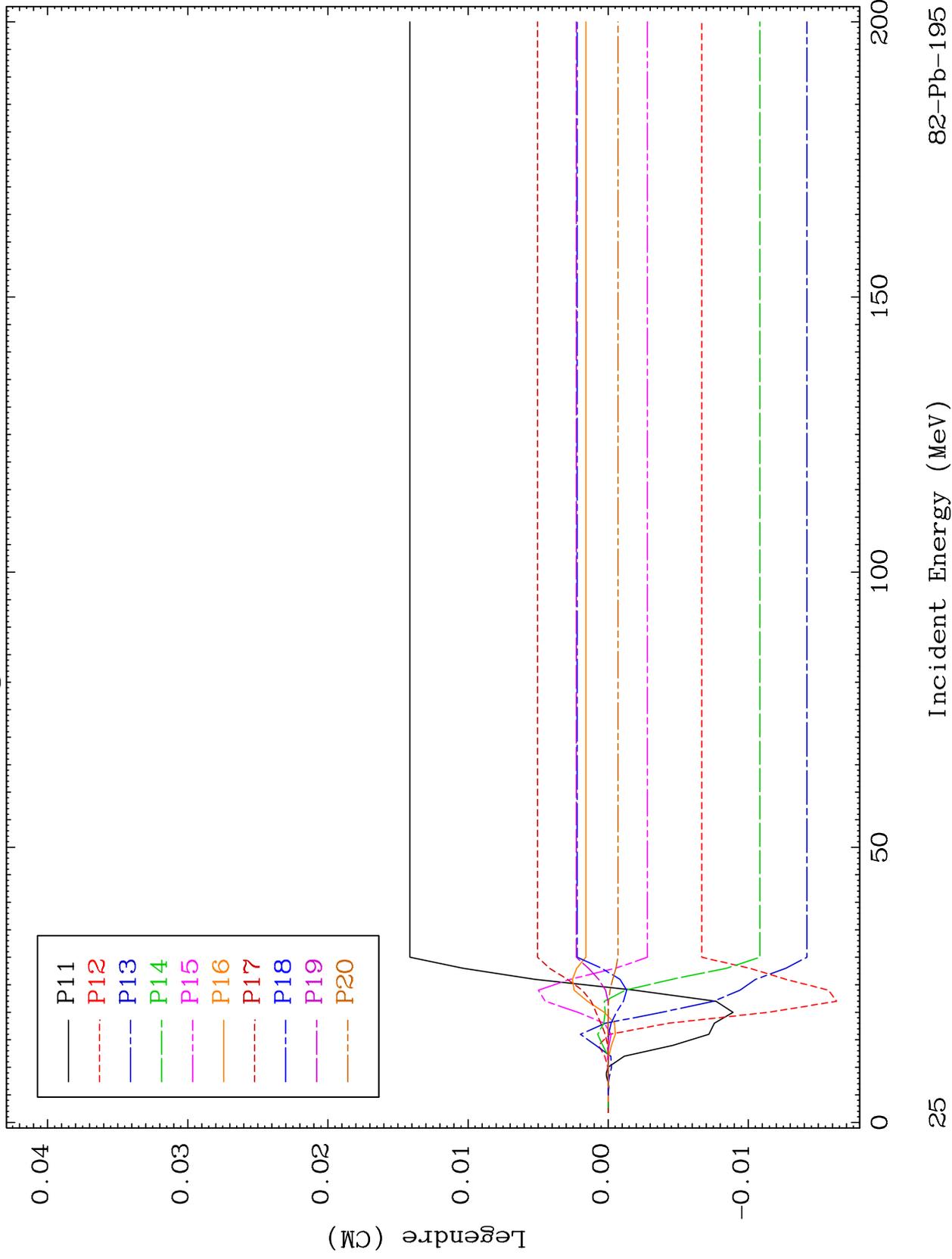
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82-Pb-195

MAT 8198

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

82-Pb-195



82-Pb-195

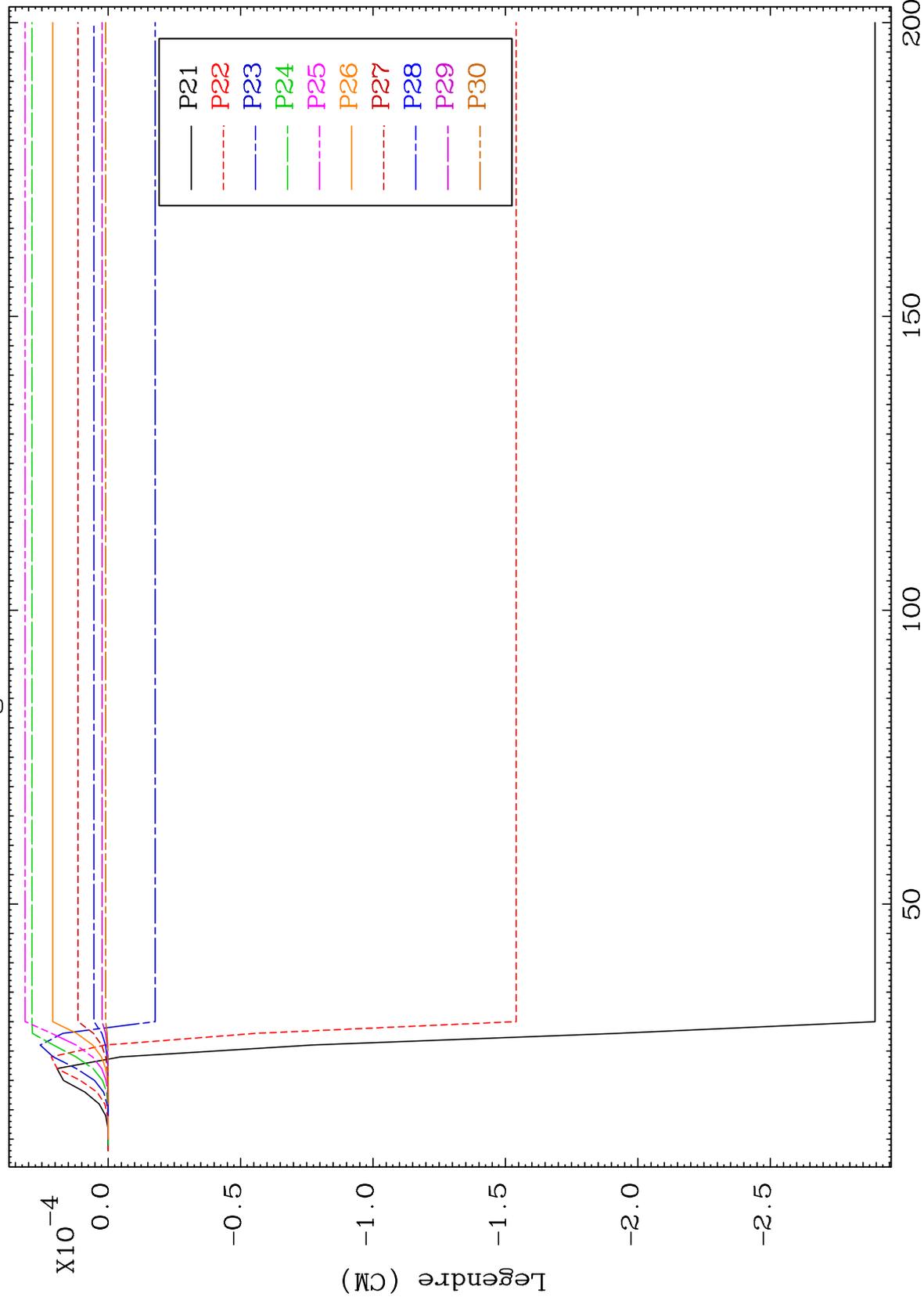
Incident Energy (MeV)

25

MAT 8198

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

82-Pb-195



26

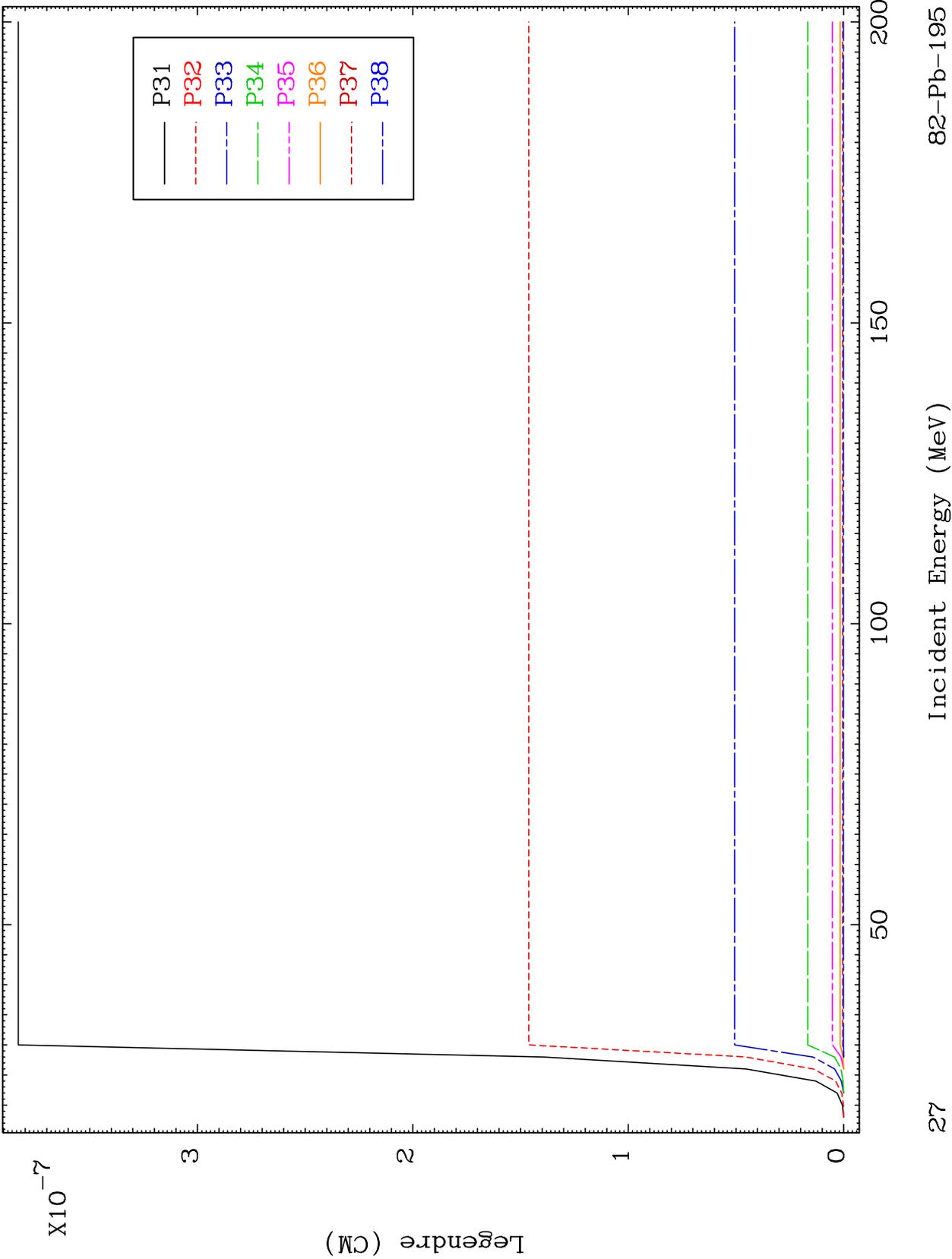
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



27

Incident Energy (MeV)

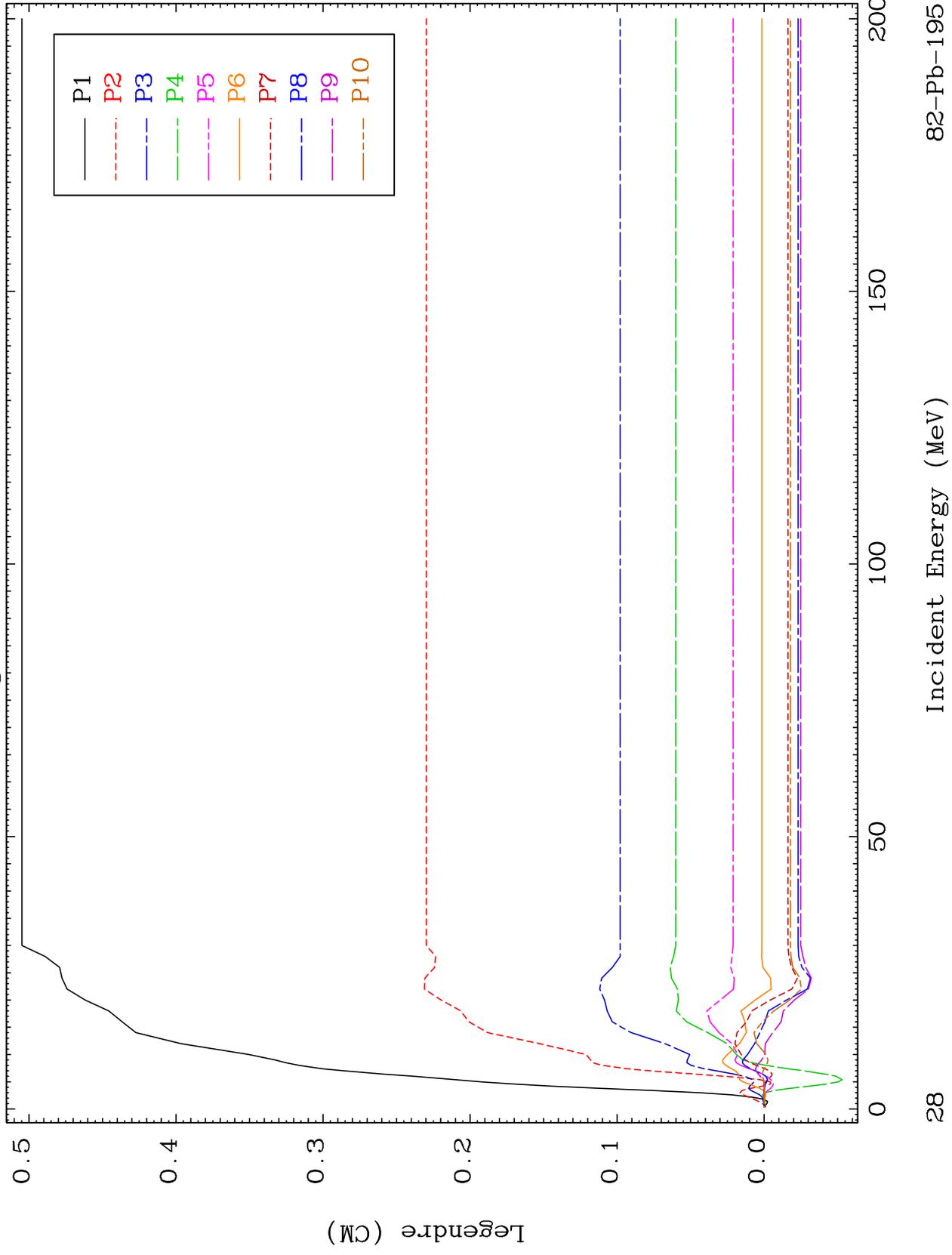
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MAT 8198

MT= 53 (n,n') Level

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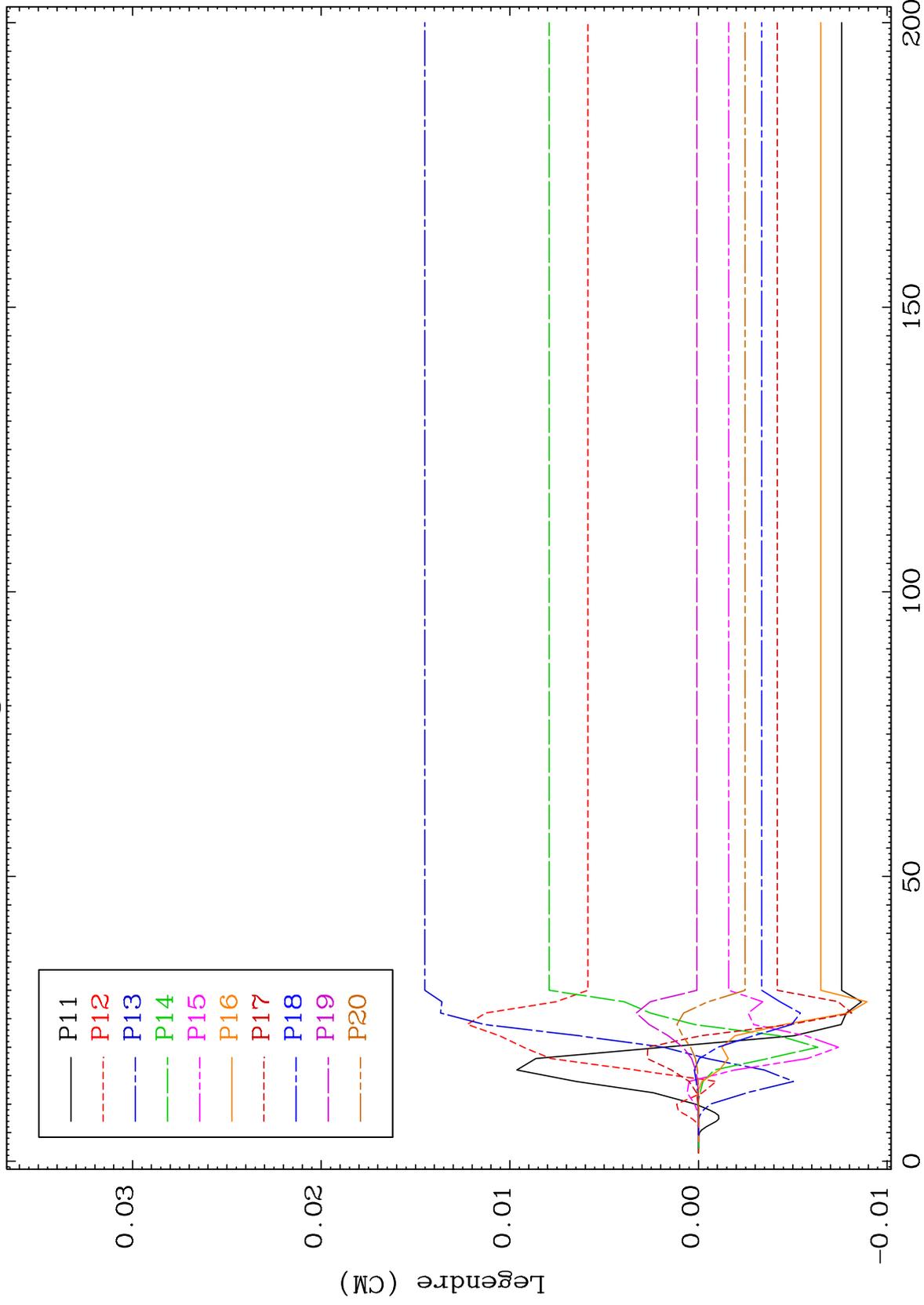
Legendre Coefficients



MAT 8198

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

82-Pb-195



29

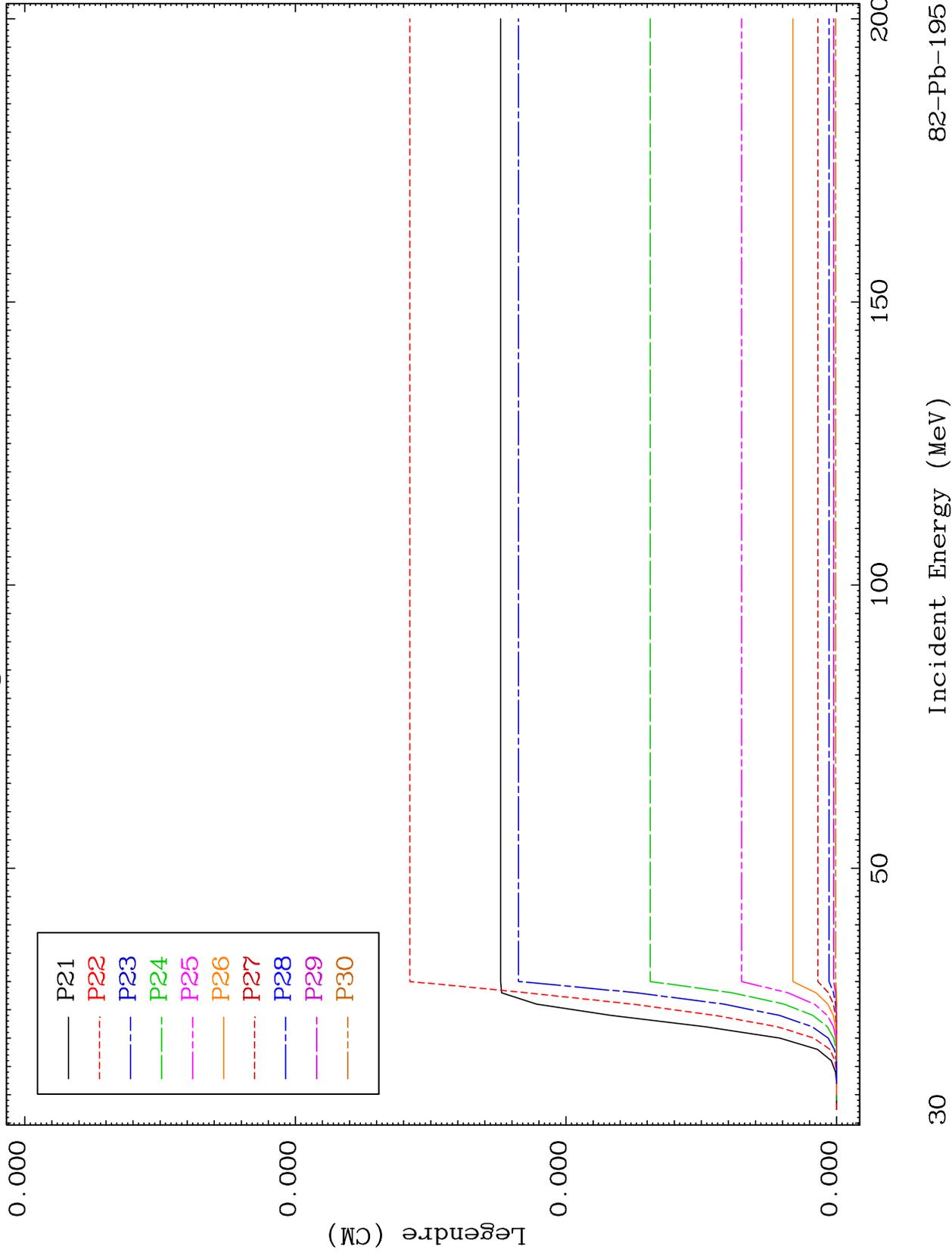
Incident Energy (MeV)

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MAT 8198

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

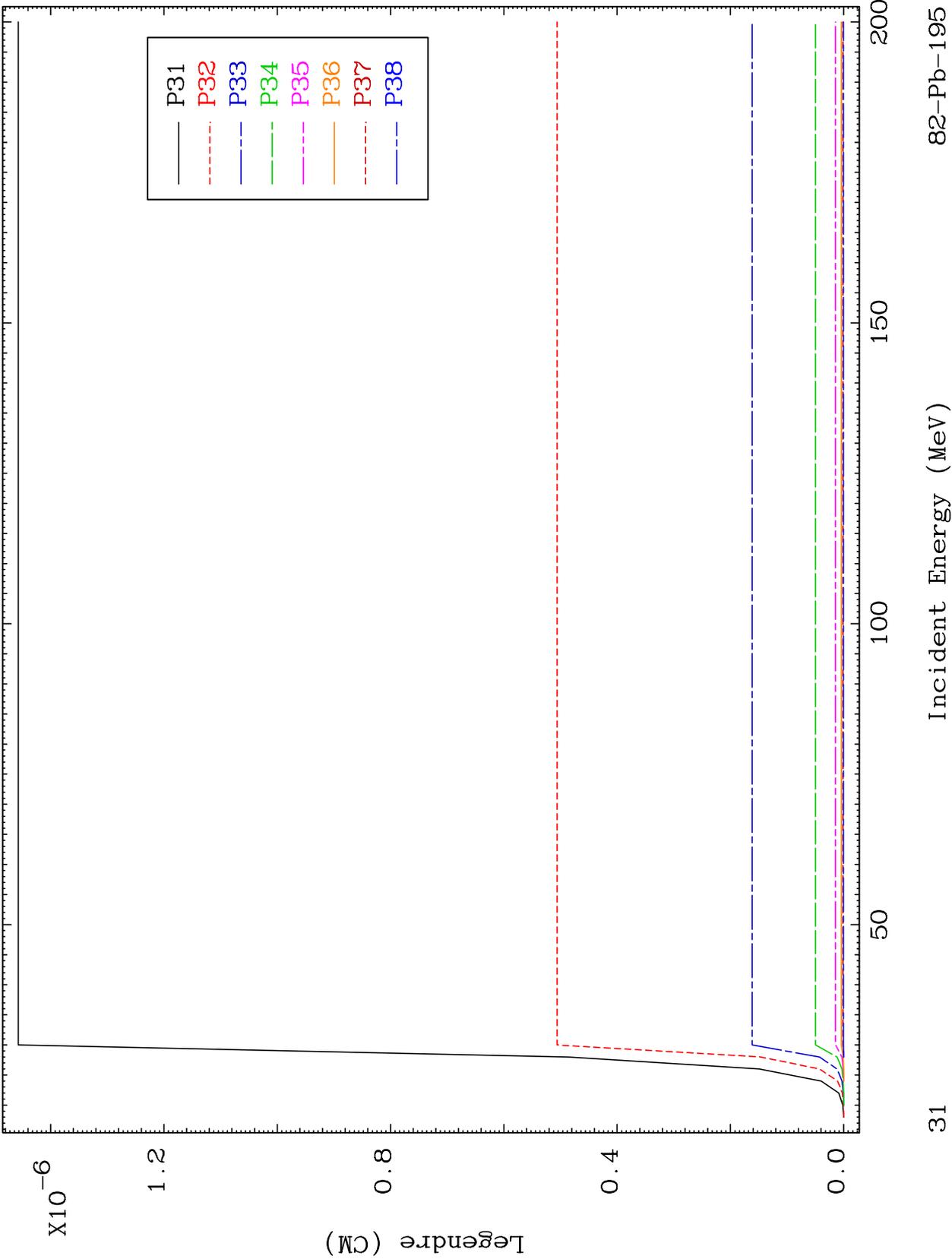
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Incident Energy (MeV)

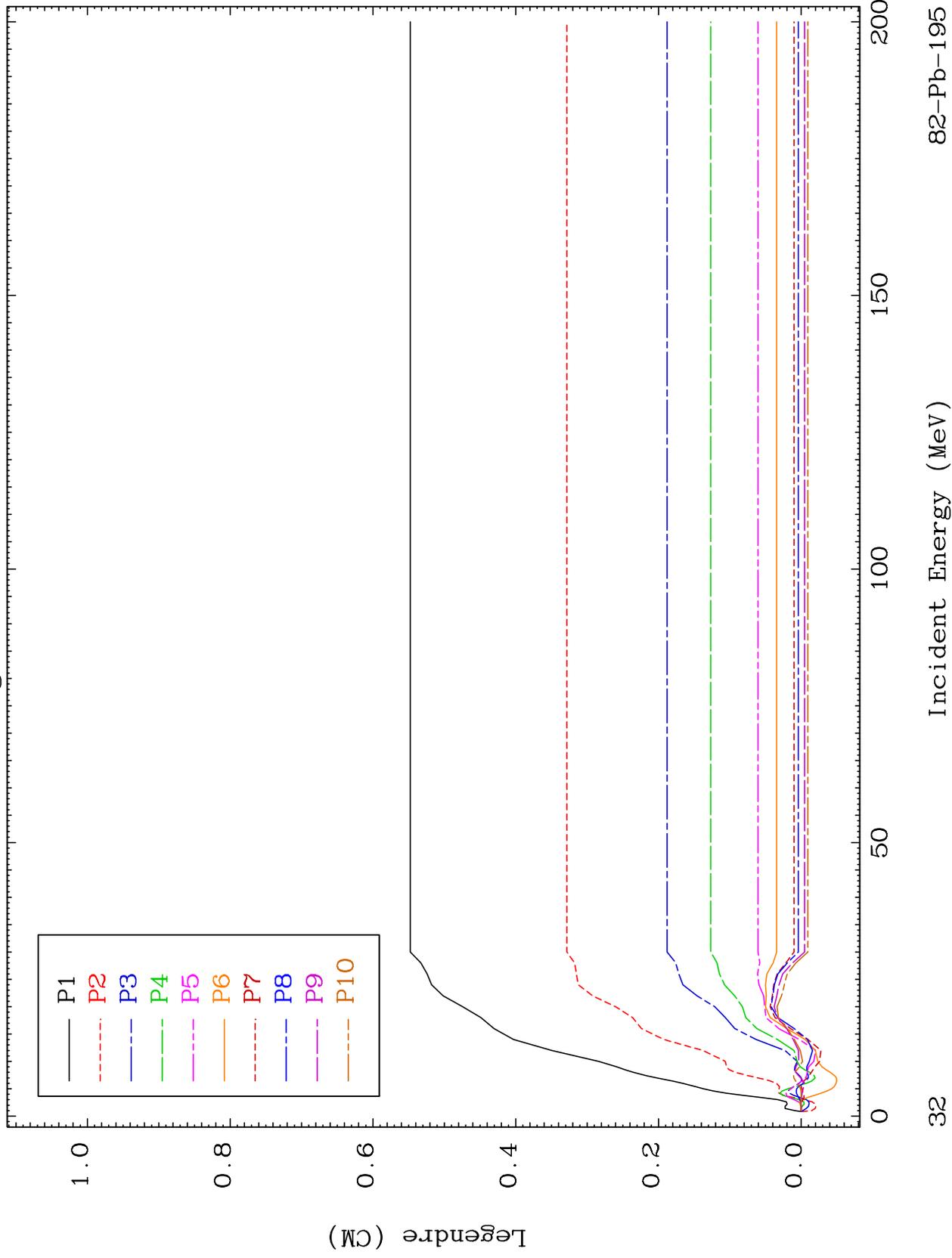
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MAT 8198

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

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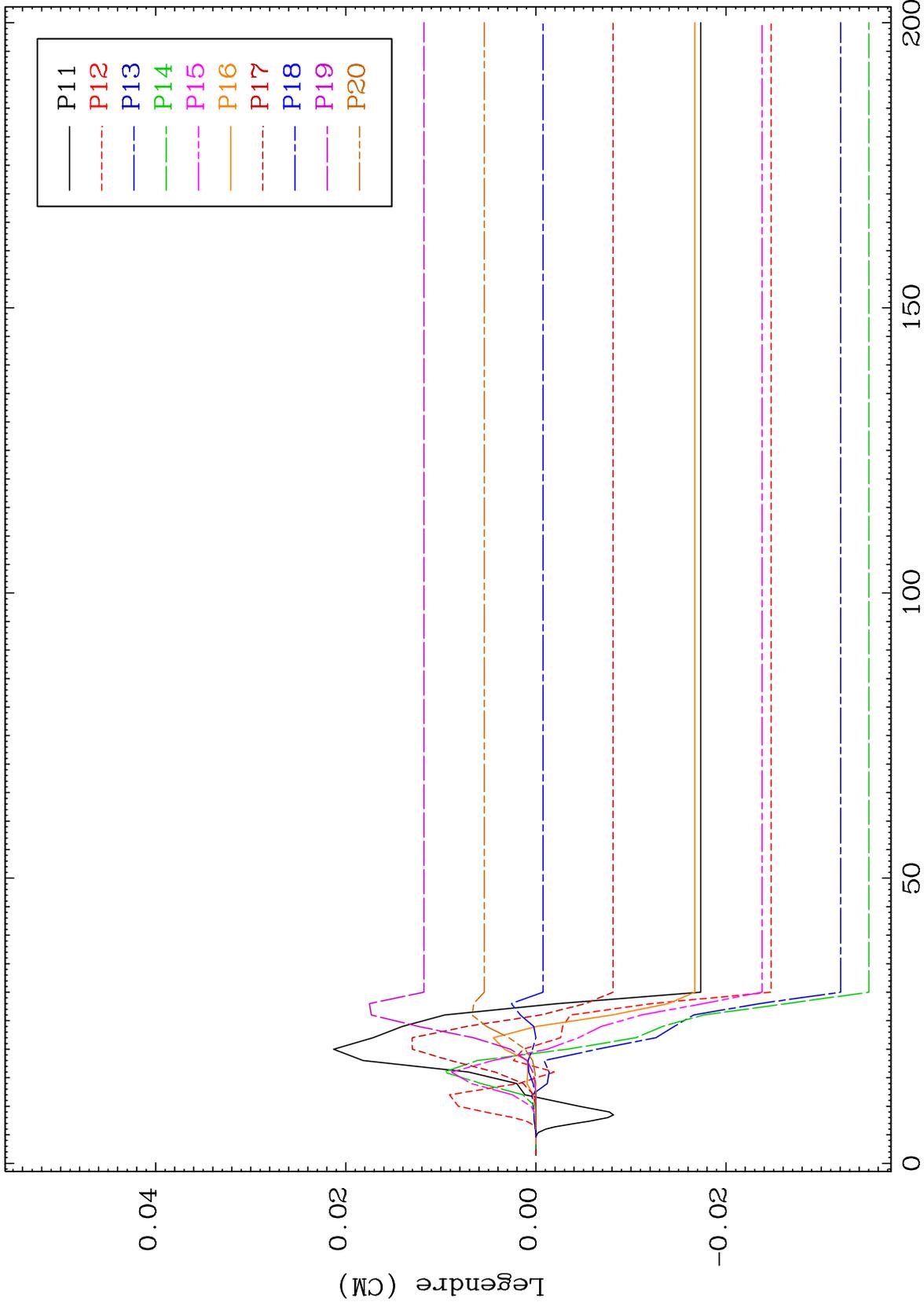


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MAT 8198

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

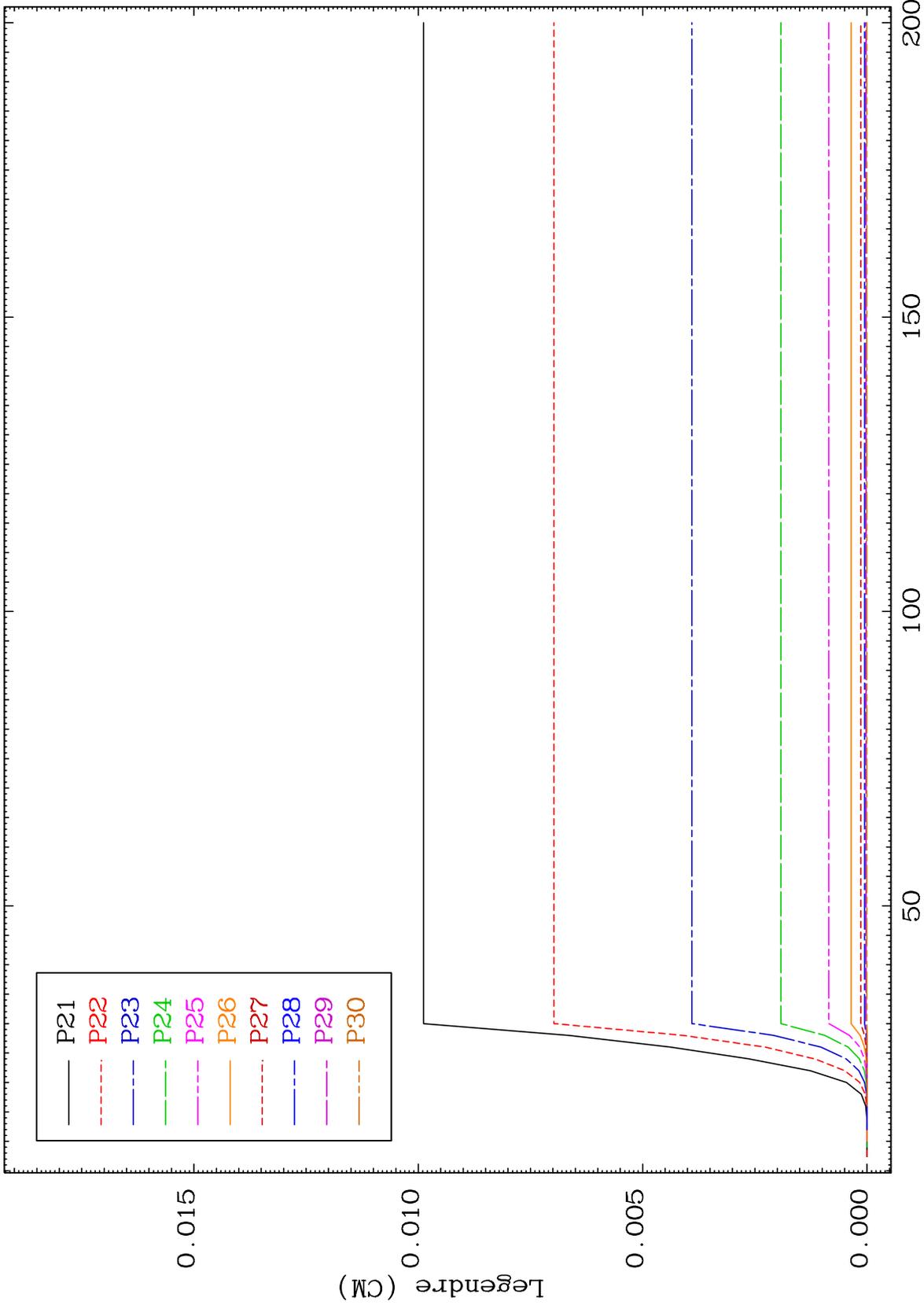
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MAT 8198

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

82-Pb-195



34

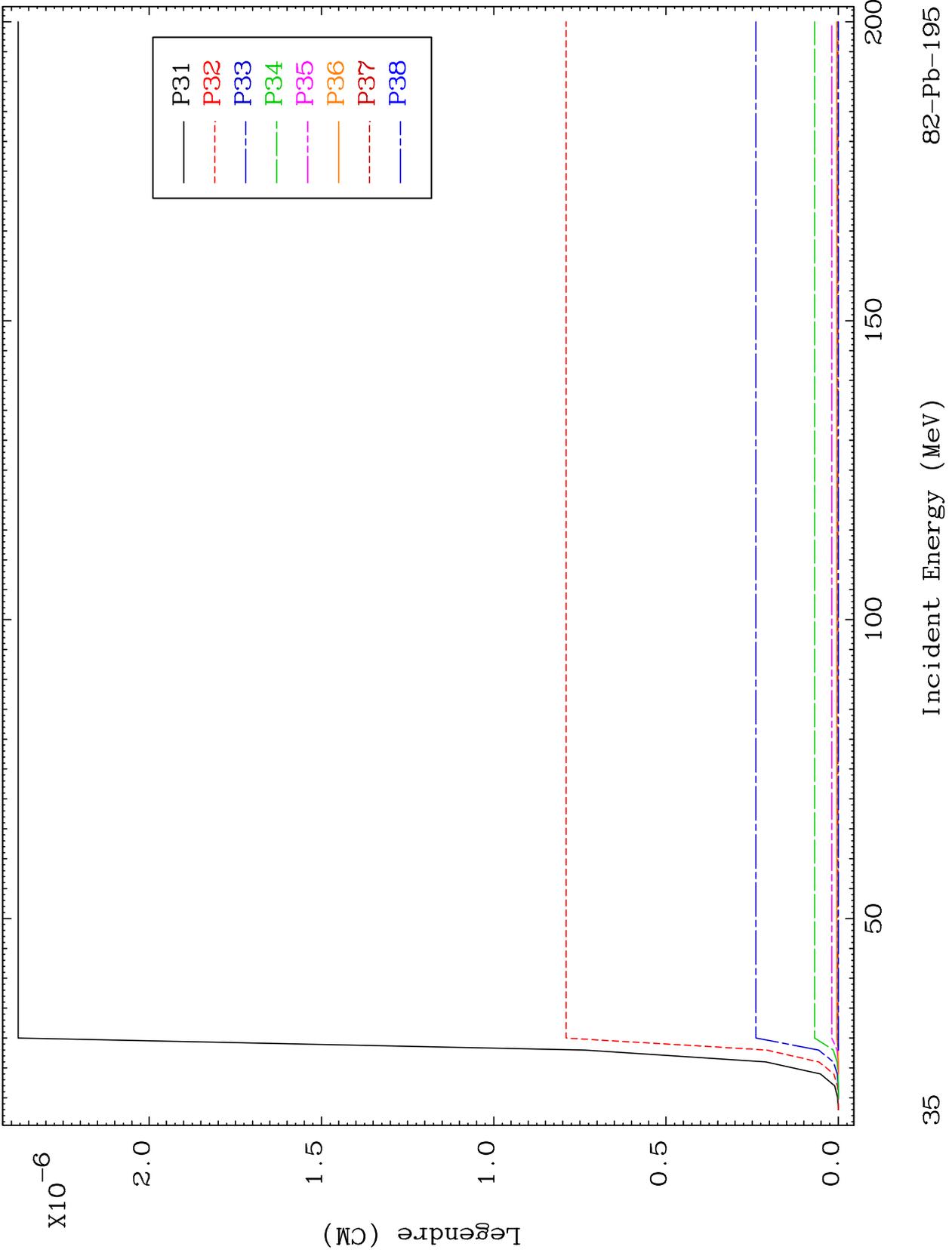
Incident Energy (MeV)

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MAT 8198

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

82-Pb-195



35

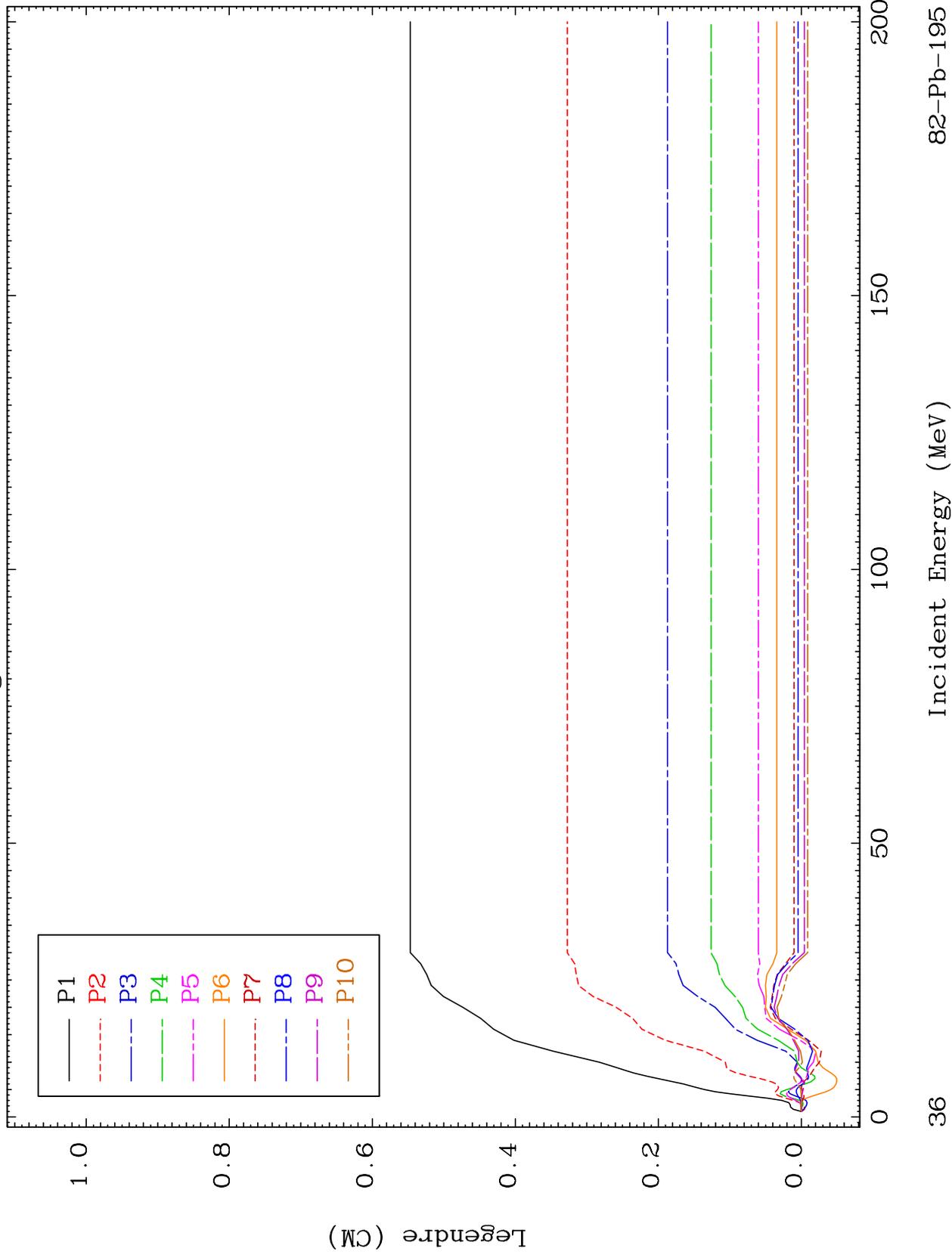
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



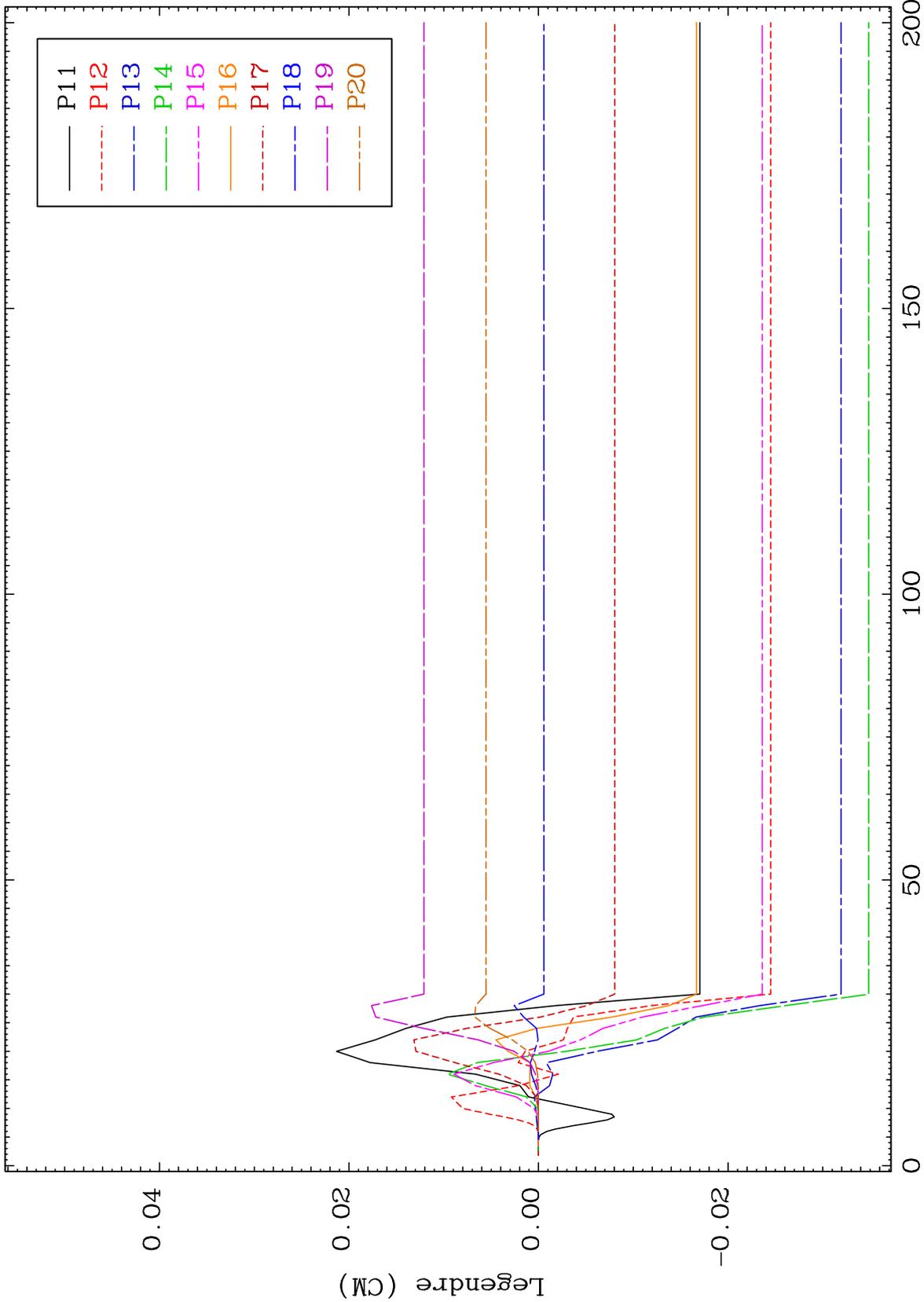
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82-Pb-195

MAT 8198

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

82-Pb-195



37

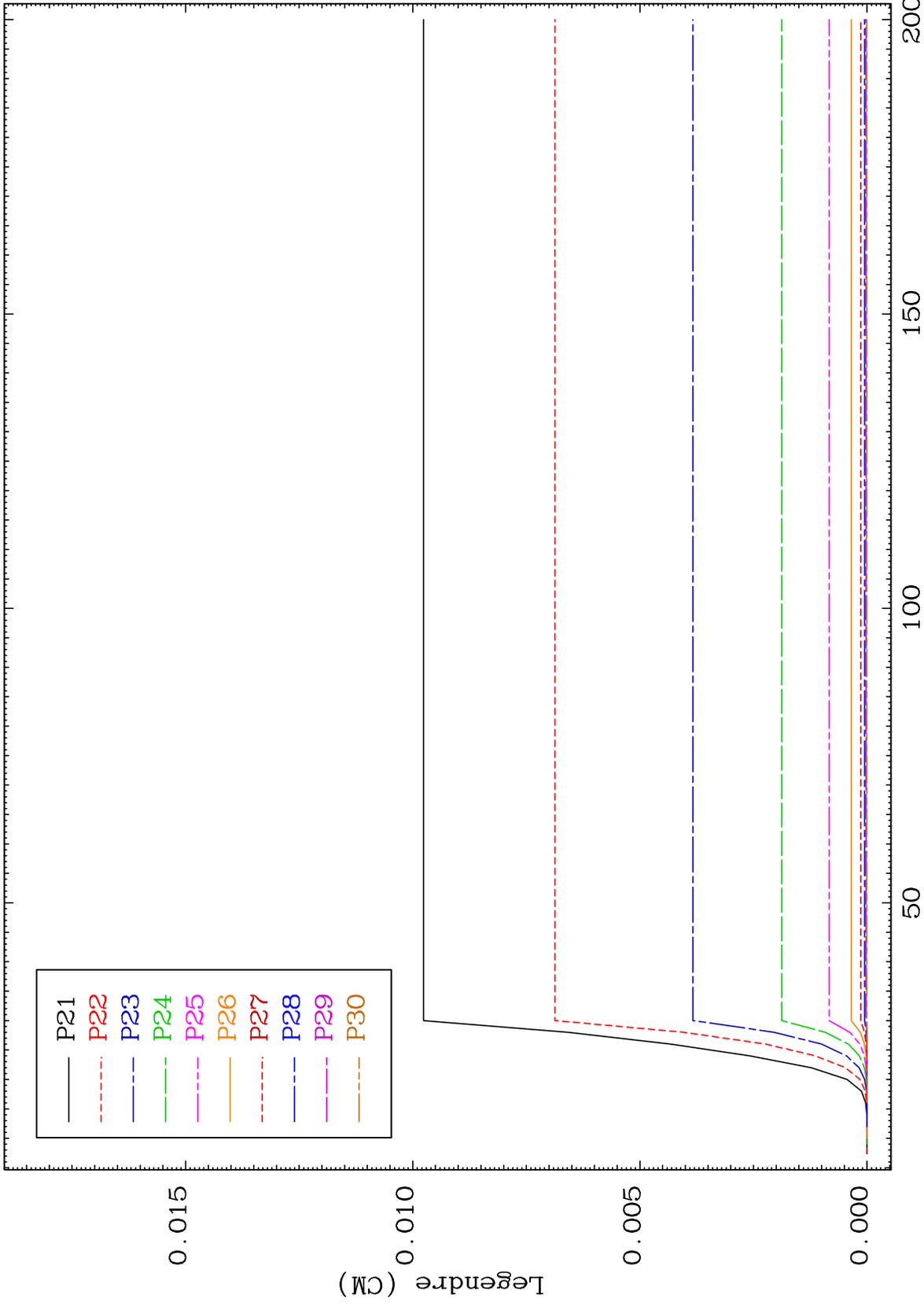
Incident Energy (MeV)

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MAT 8198

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

82-Pb-195



38

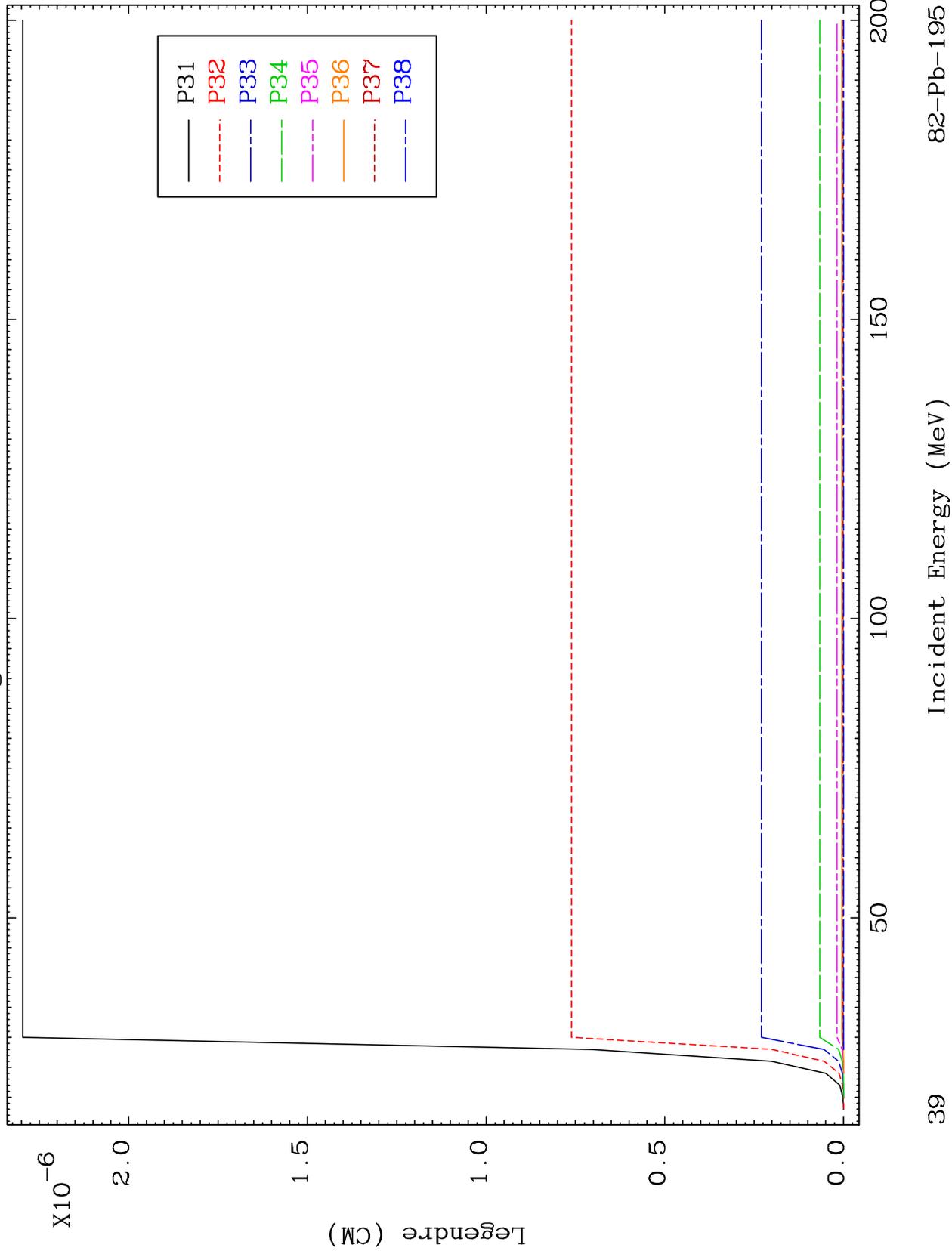
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82-Pb-195

MAT 8198

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

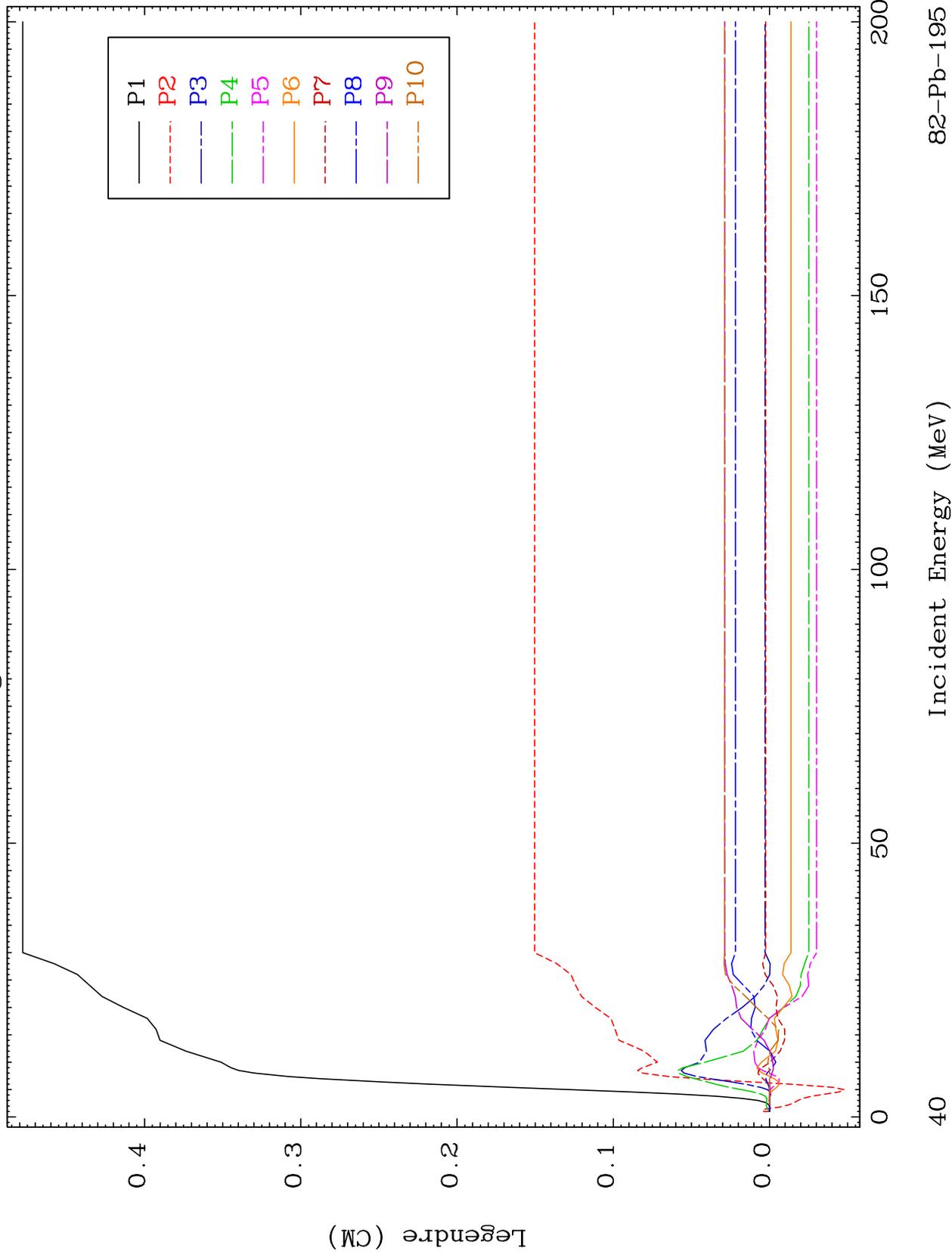
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MAT 8198

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

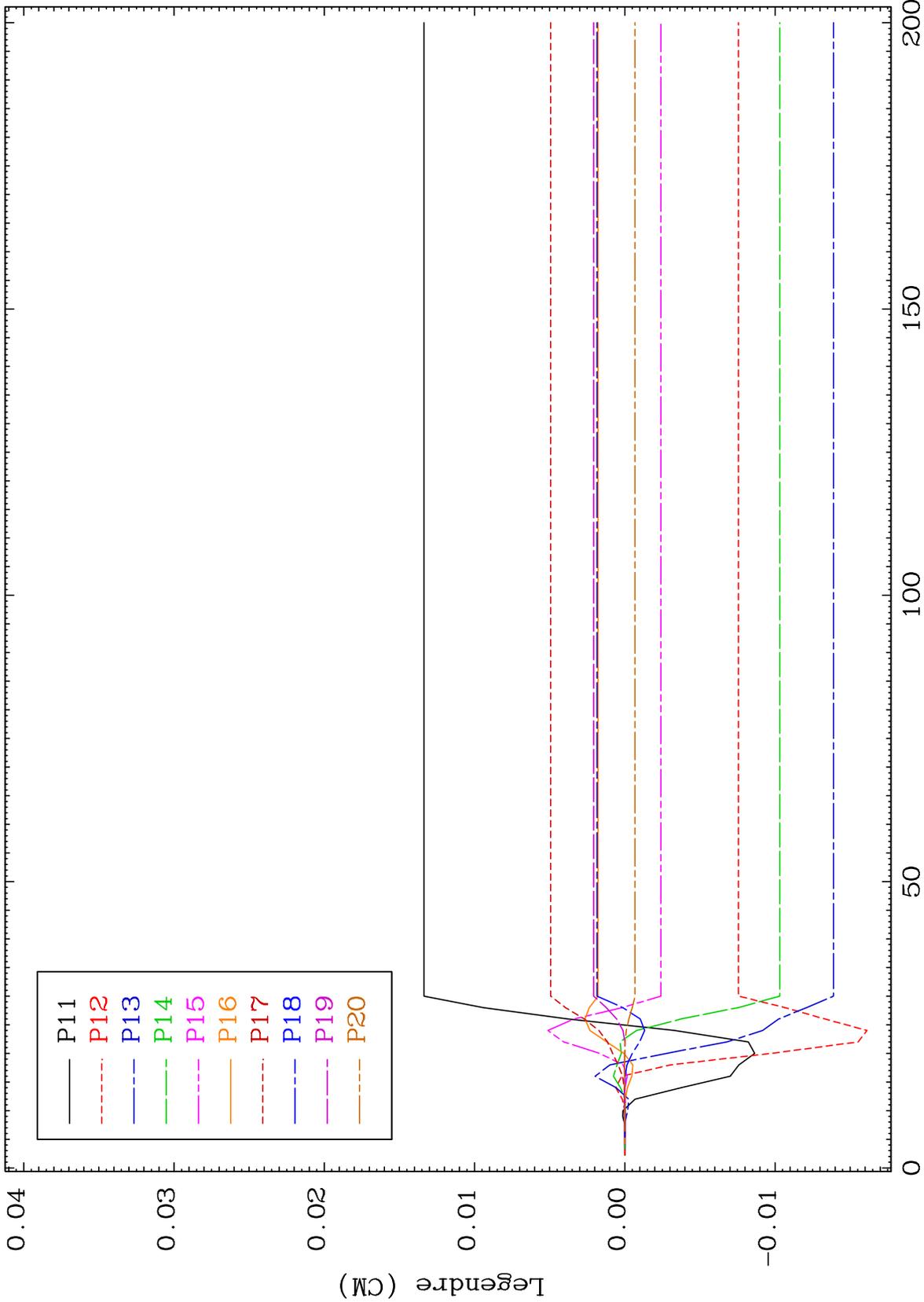
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MAT 8198

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

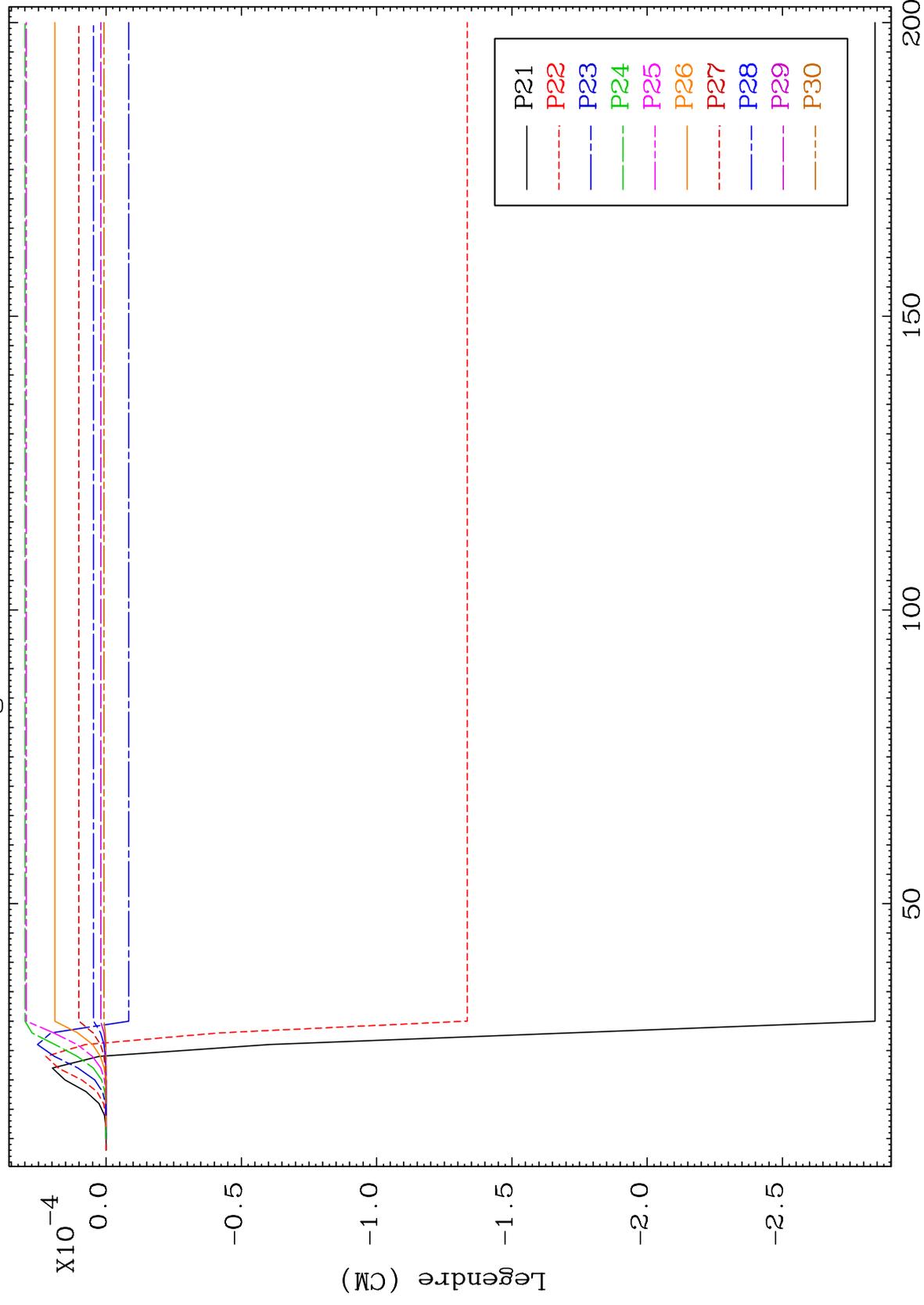
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MAT 8198

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

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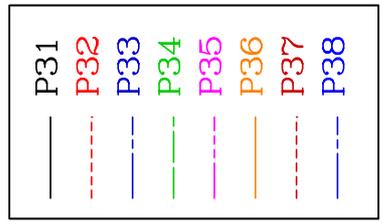


MAT 8198

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

82-Pb-195

$\times 10^{-7}$



Legendre (CM)

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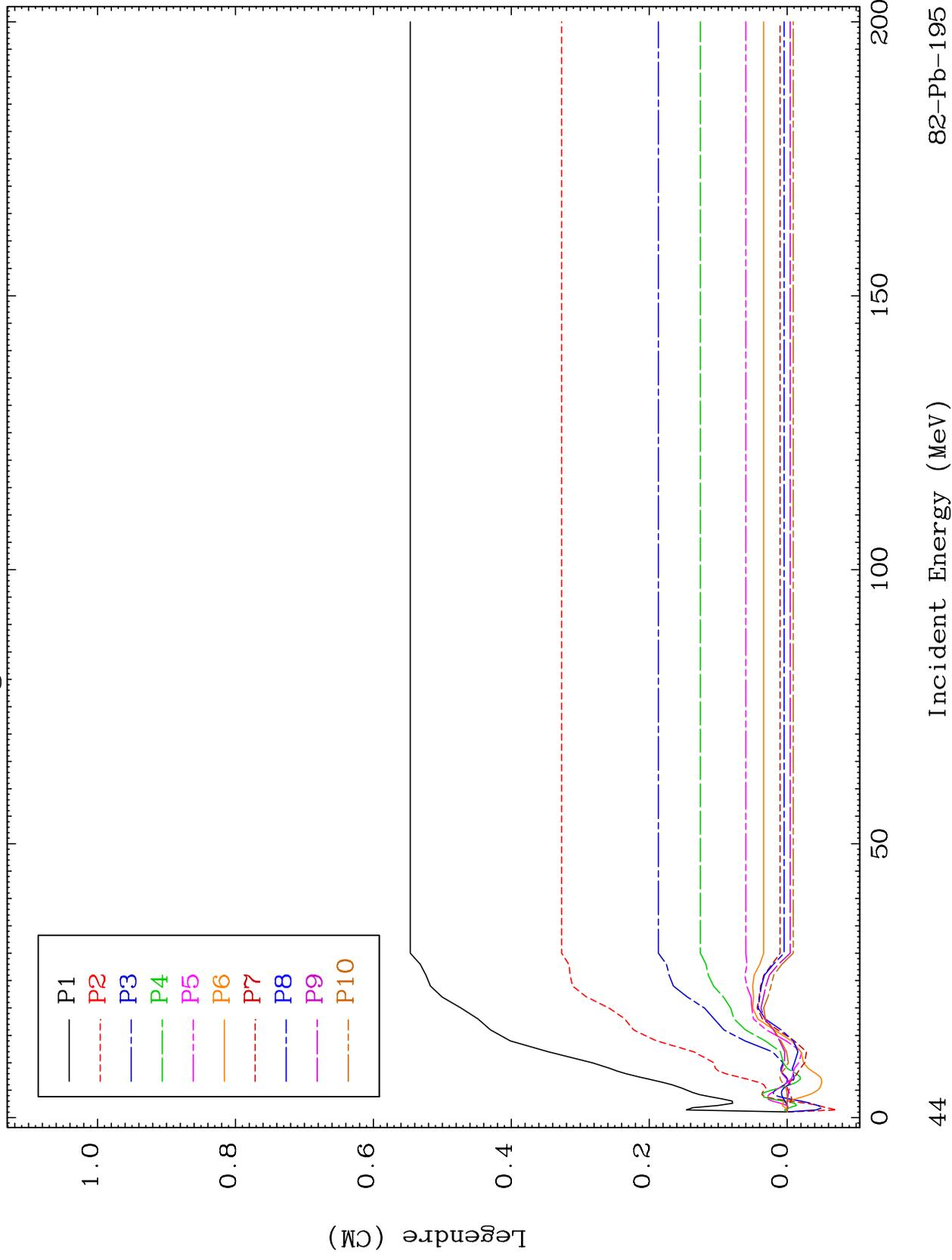
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

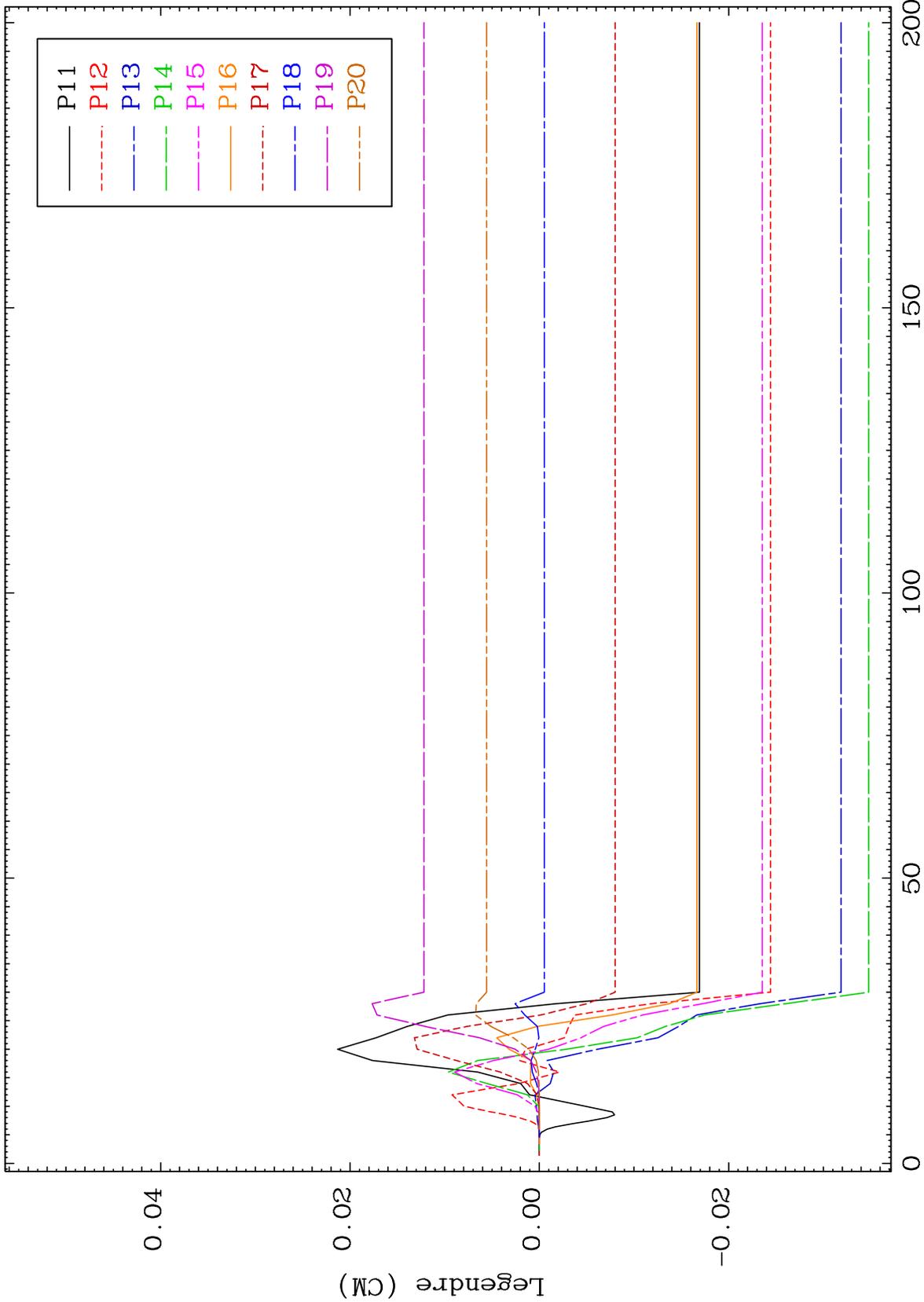
82-Pb-195



MAT 8198

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

82-Pb-195



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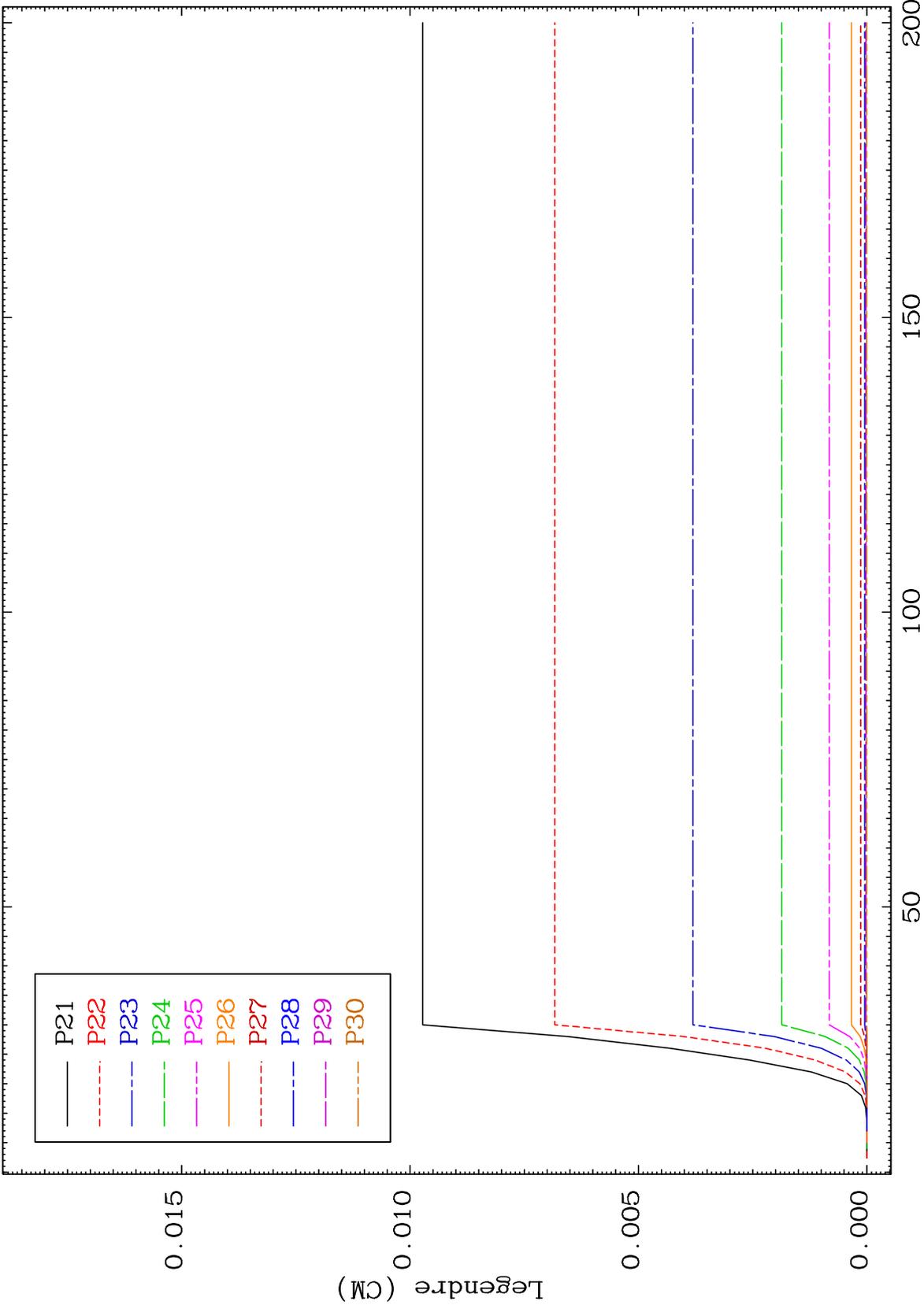
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



46

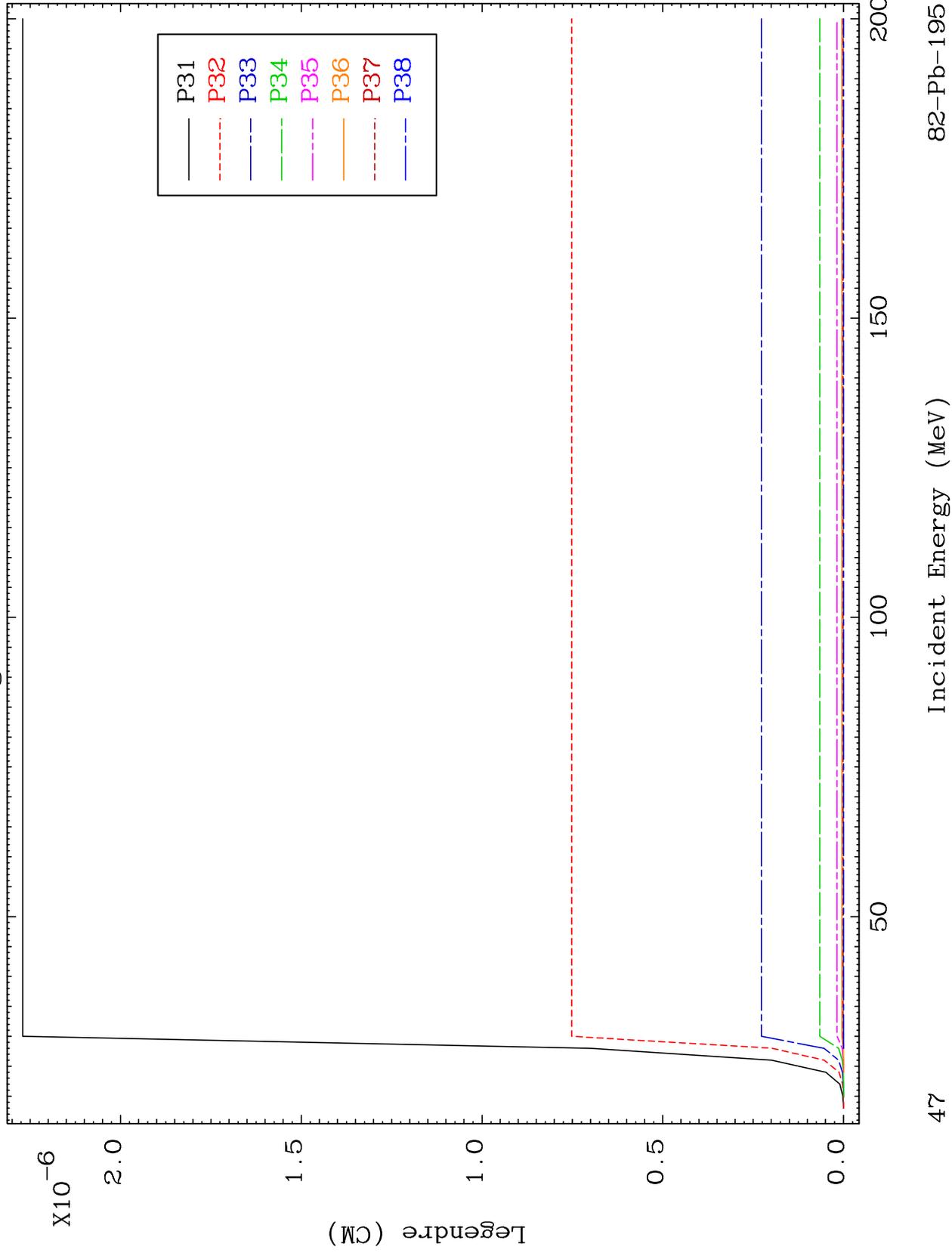
Incident Energy (MeV)

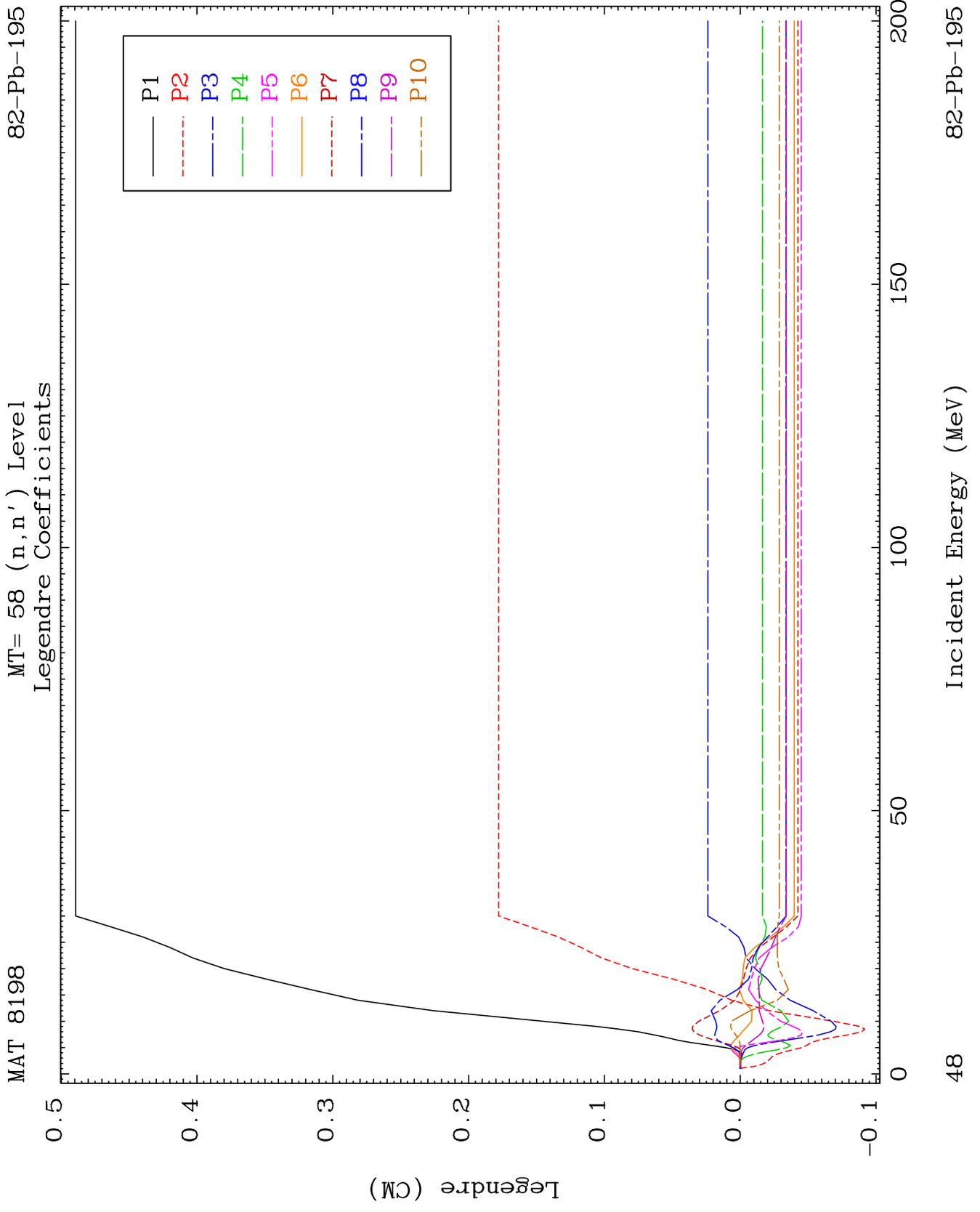
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MAT 8198

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

82-Pb-195

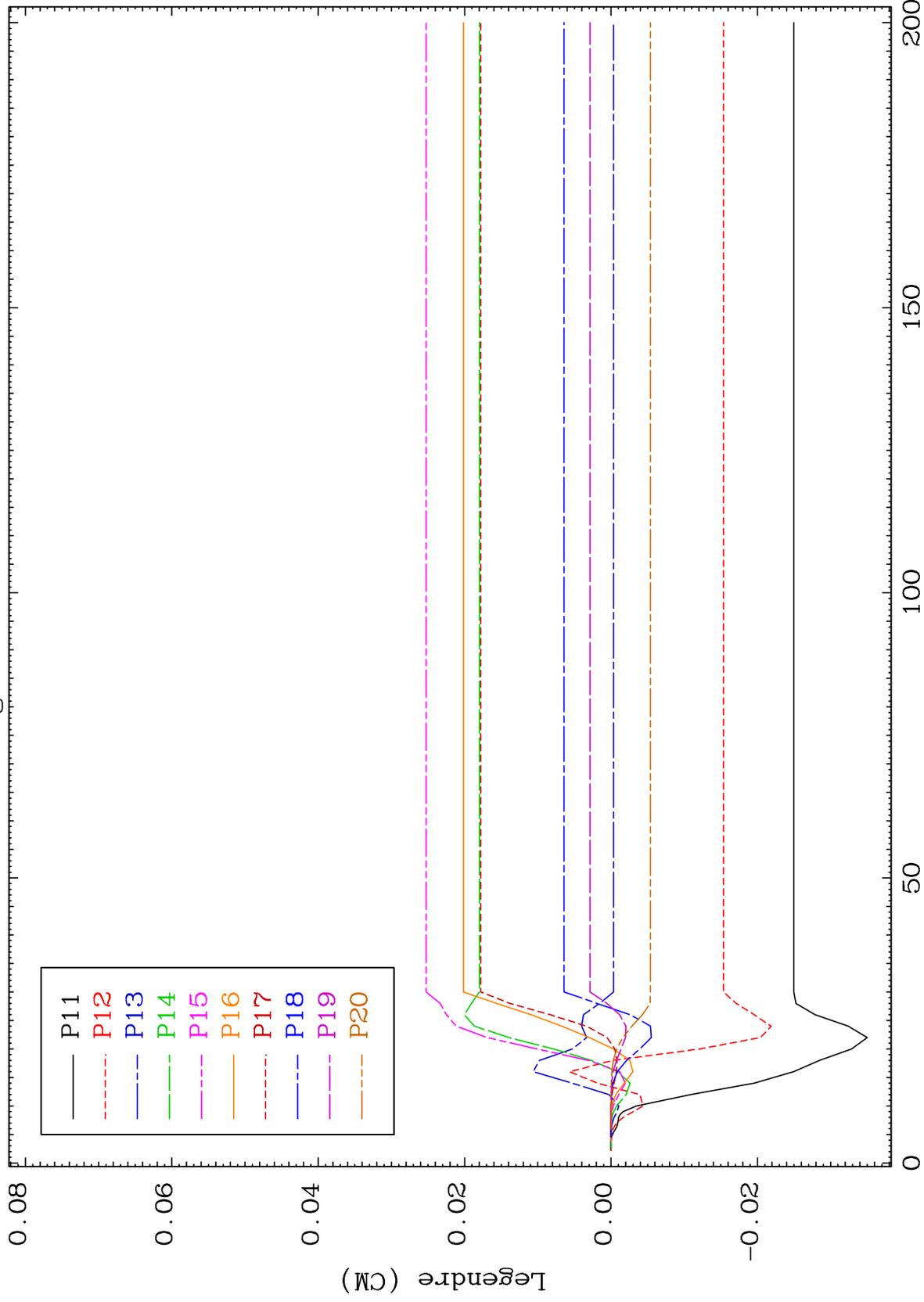




MAT 8198

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

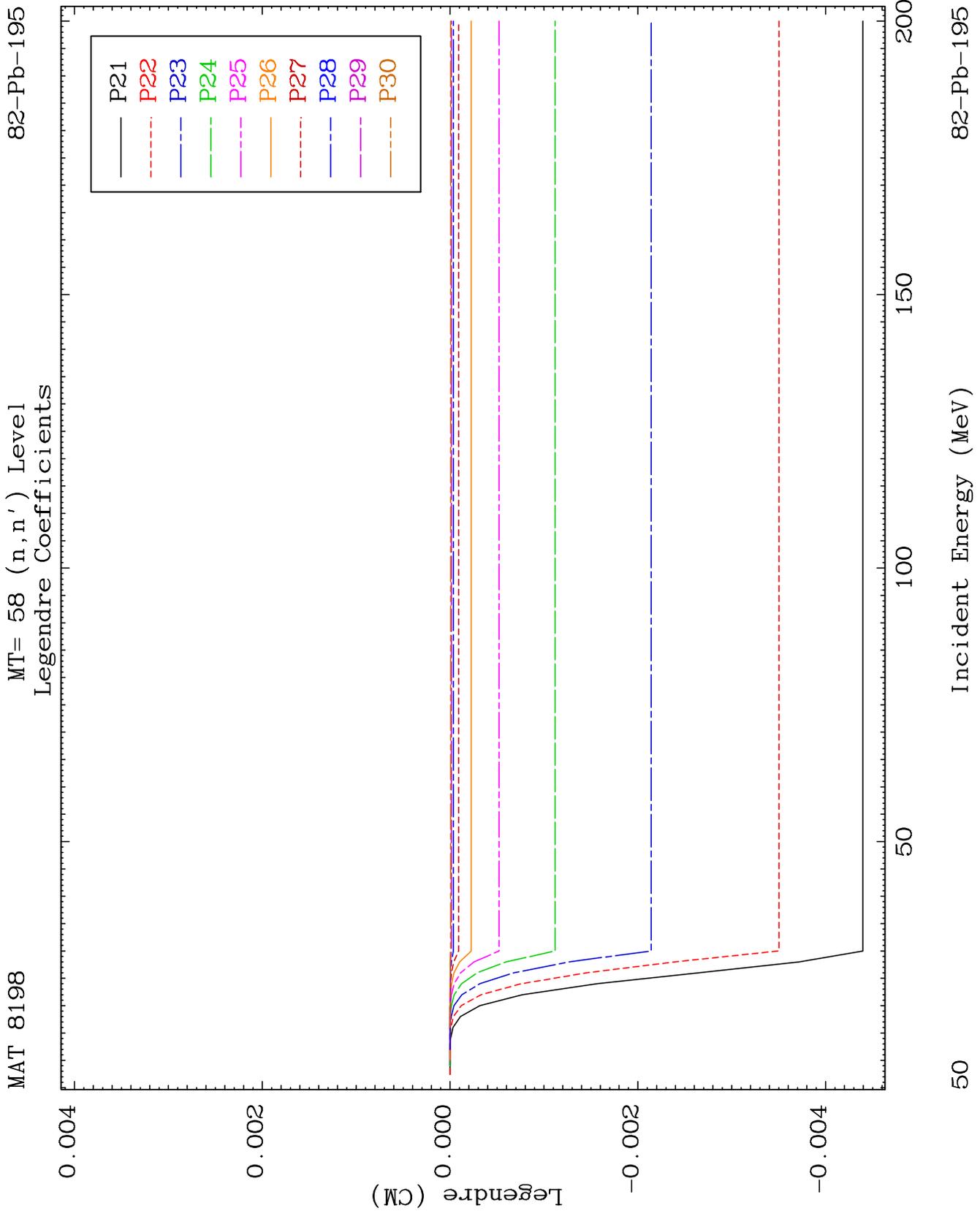
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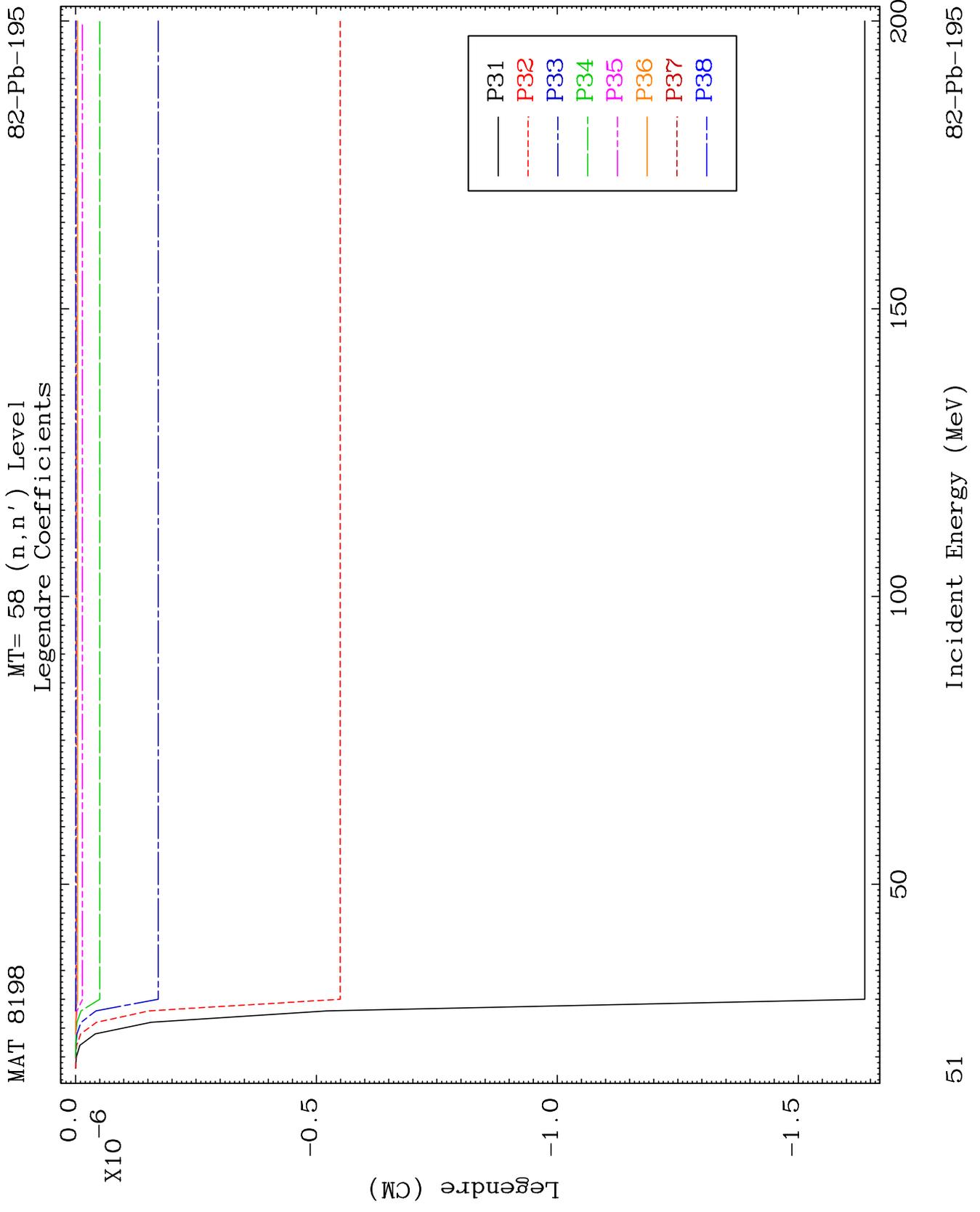


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Incident Energy (MeV)

82-Pb-195

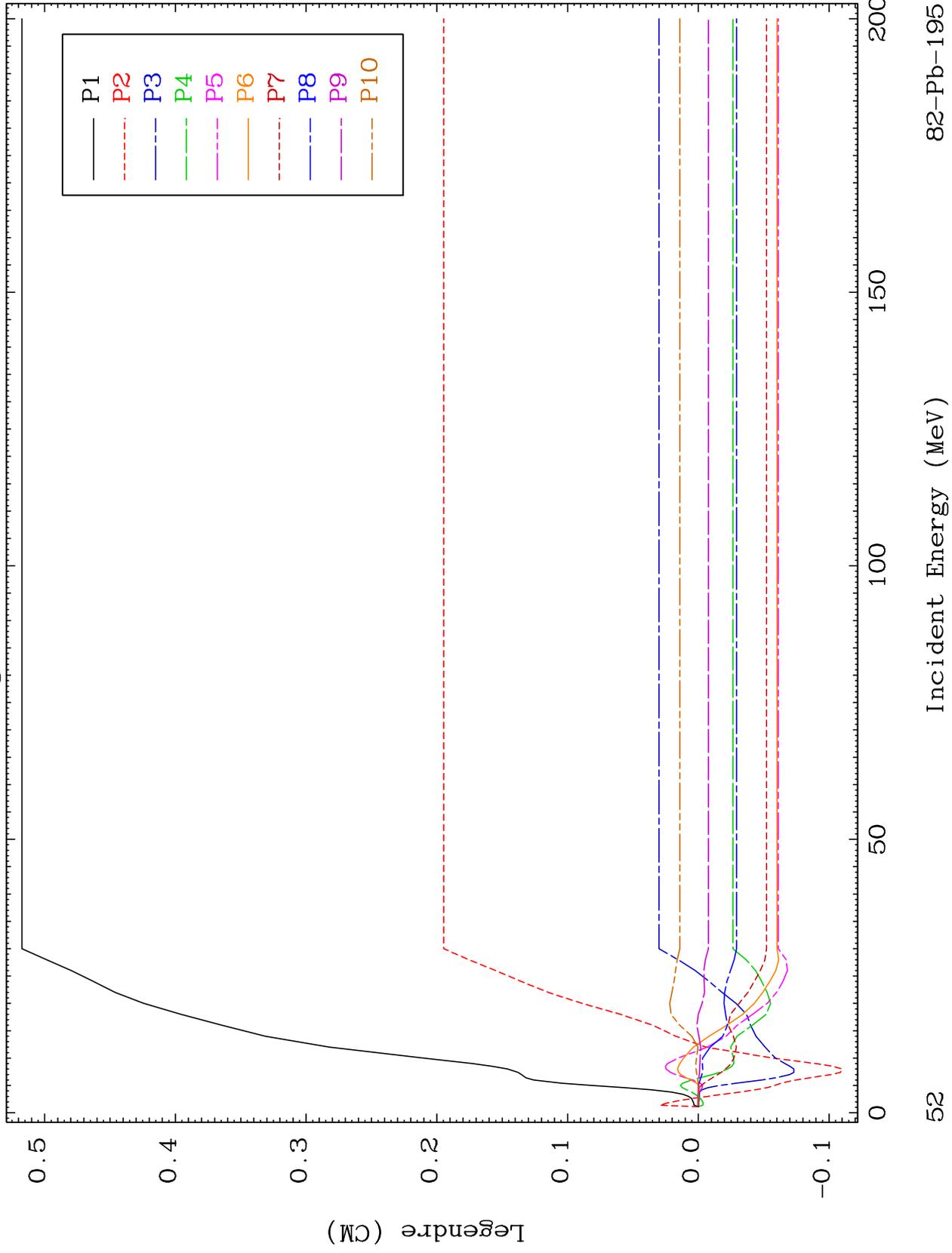




MAT 8198

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

82-Pb-195



82-Pb-195

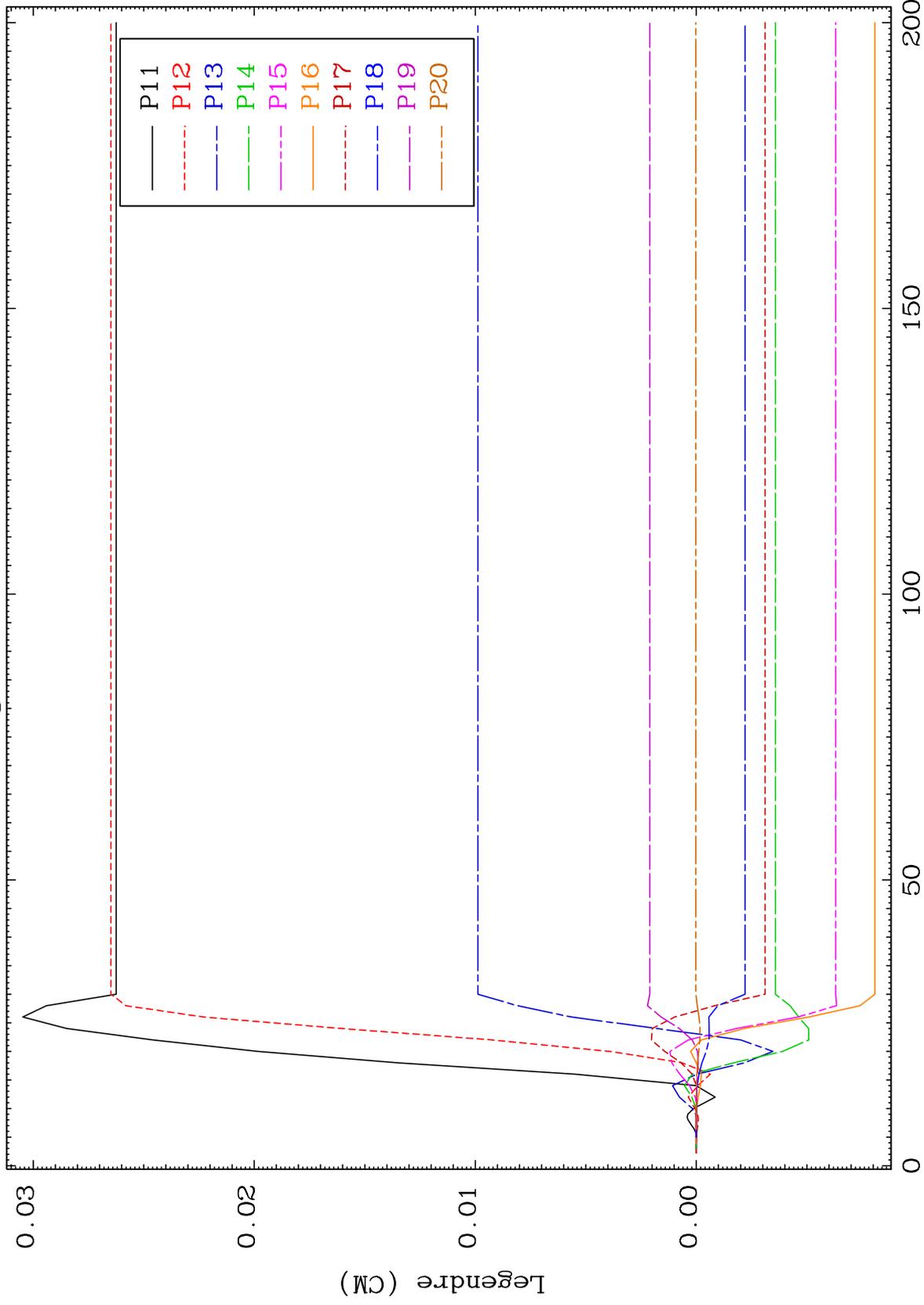
Incident Energy (MeV)

52

MAT 8198

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

82-Pb-195



53

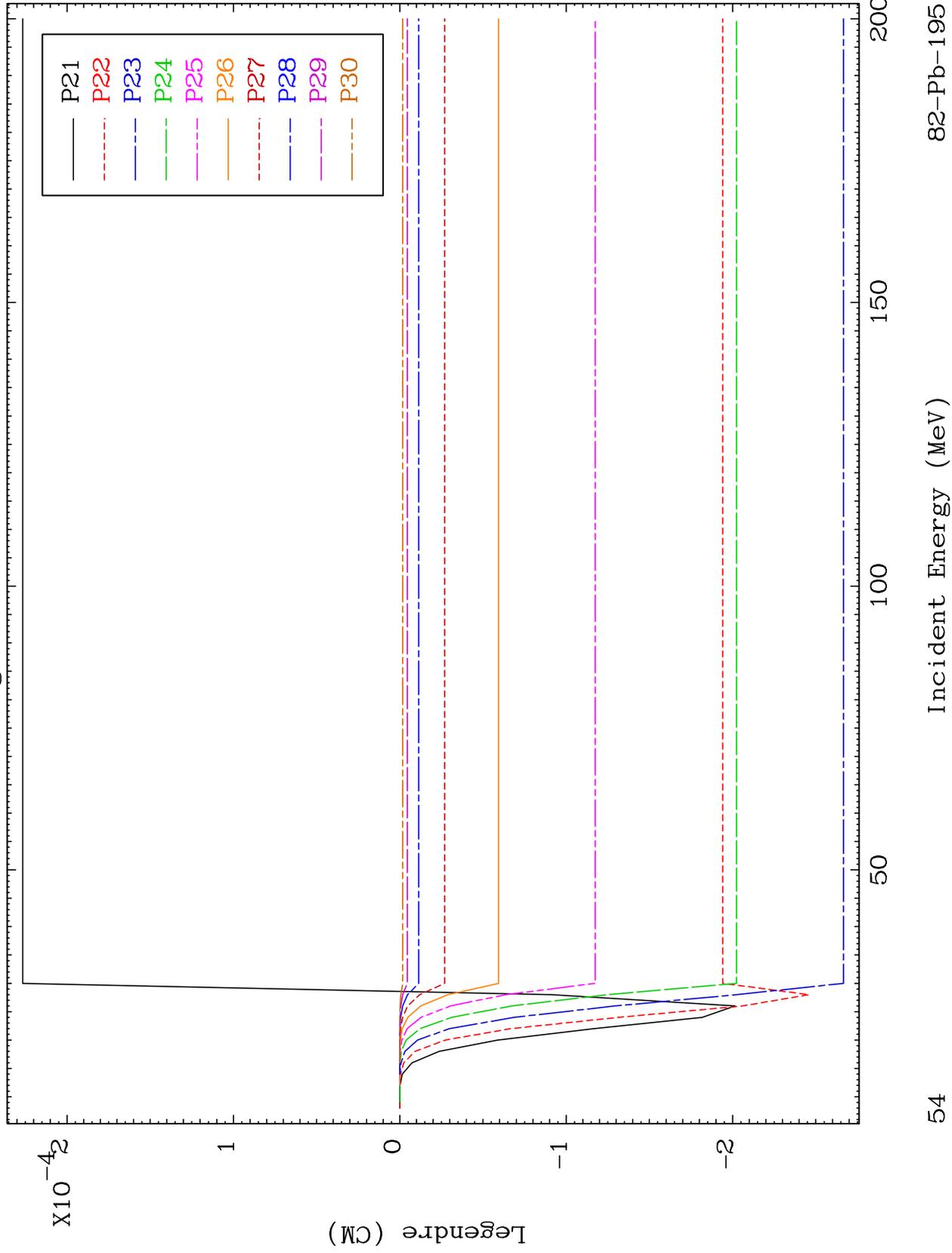
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

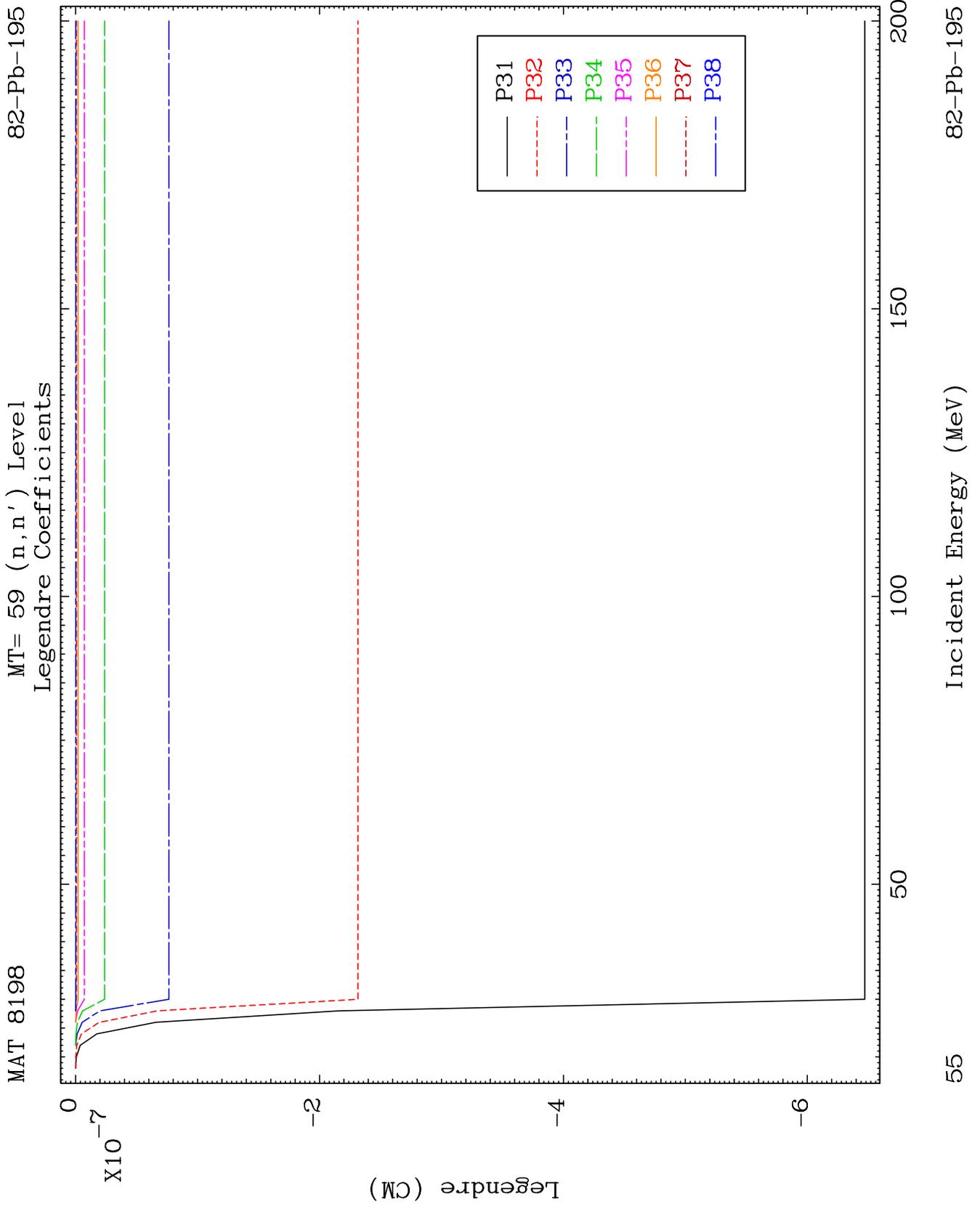
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54

Incident Energy (MeV)

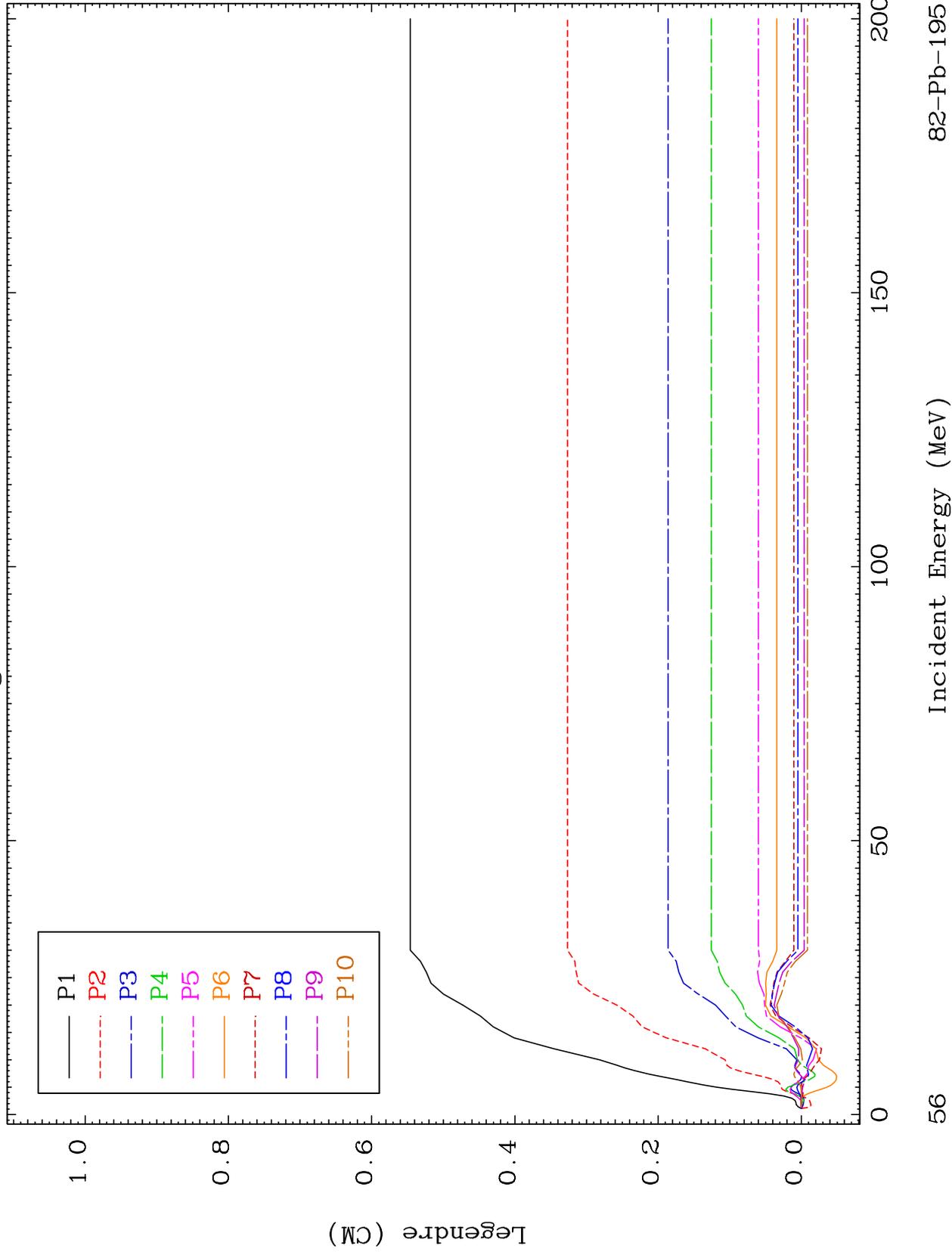
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MAT 8198

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

82-Pb-195



82-Pb-195

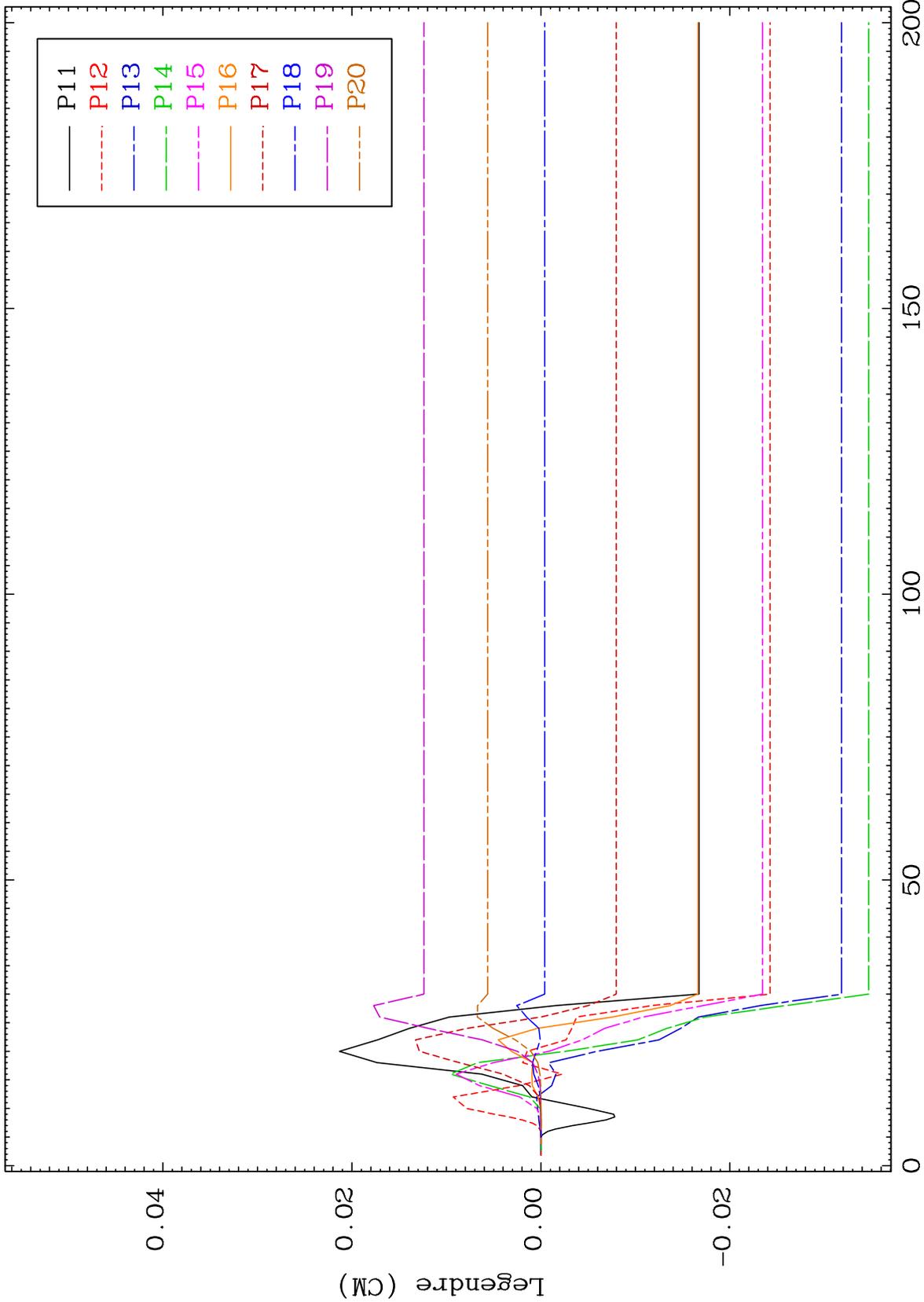
Incident Energy (MeV)

56

MAT 8198

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

82-Pb-195



57

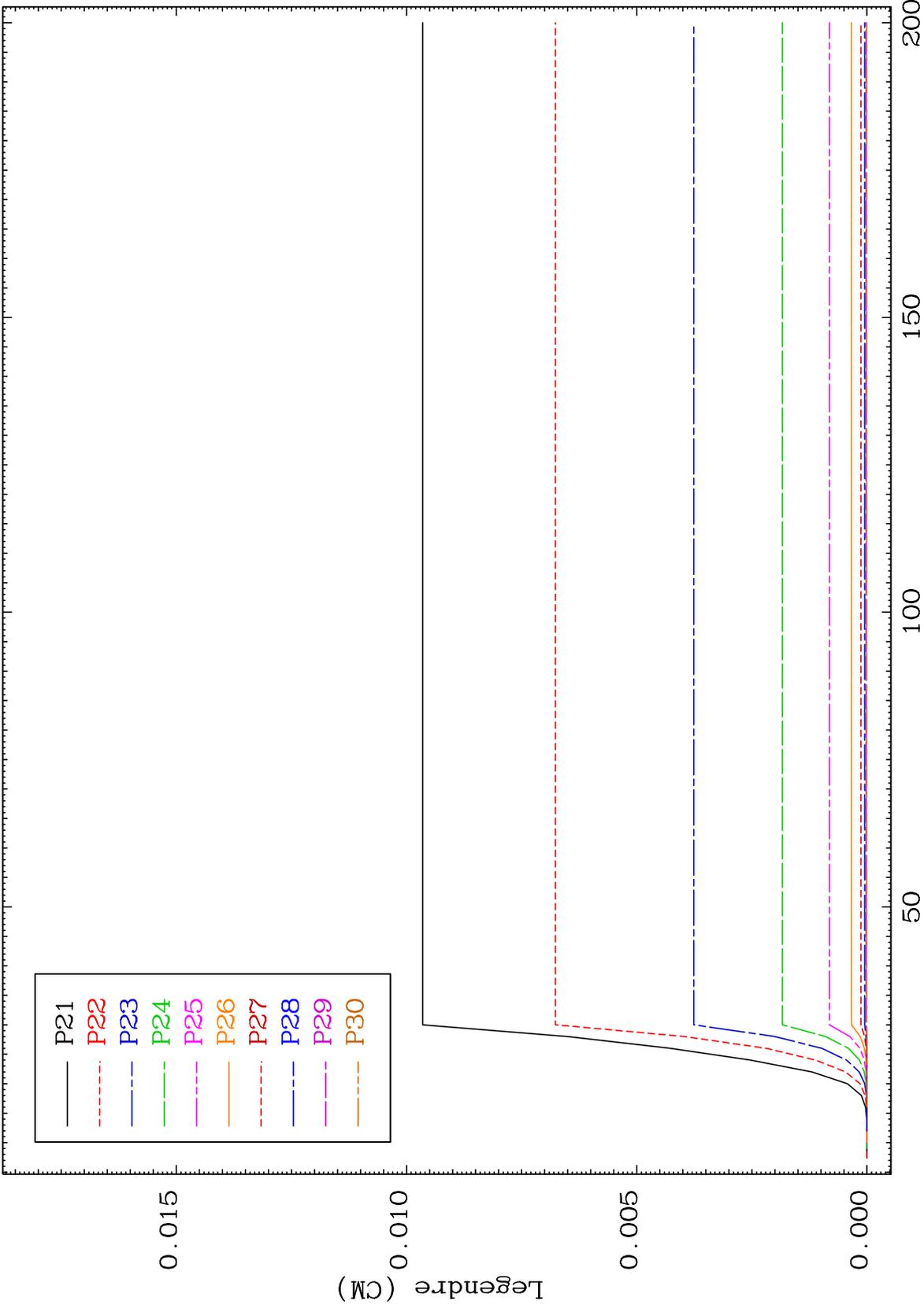
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



58

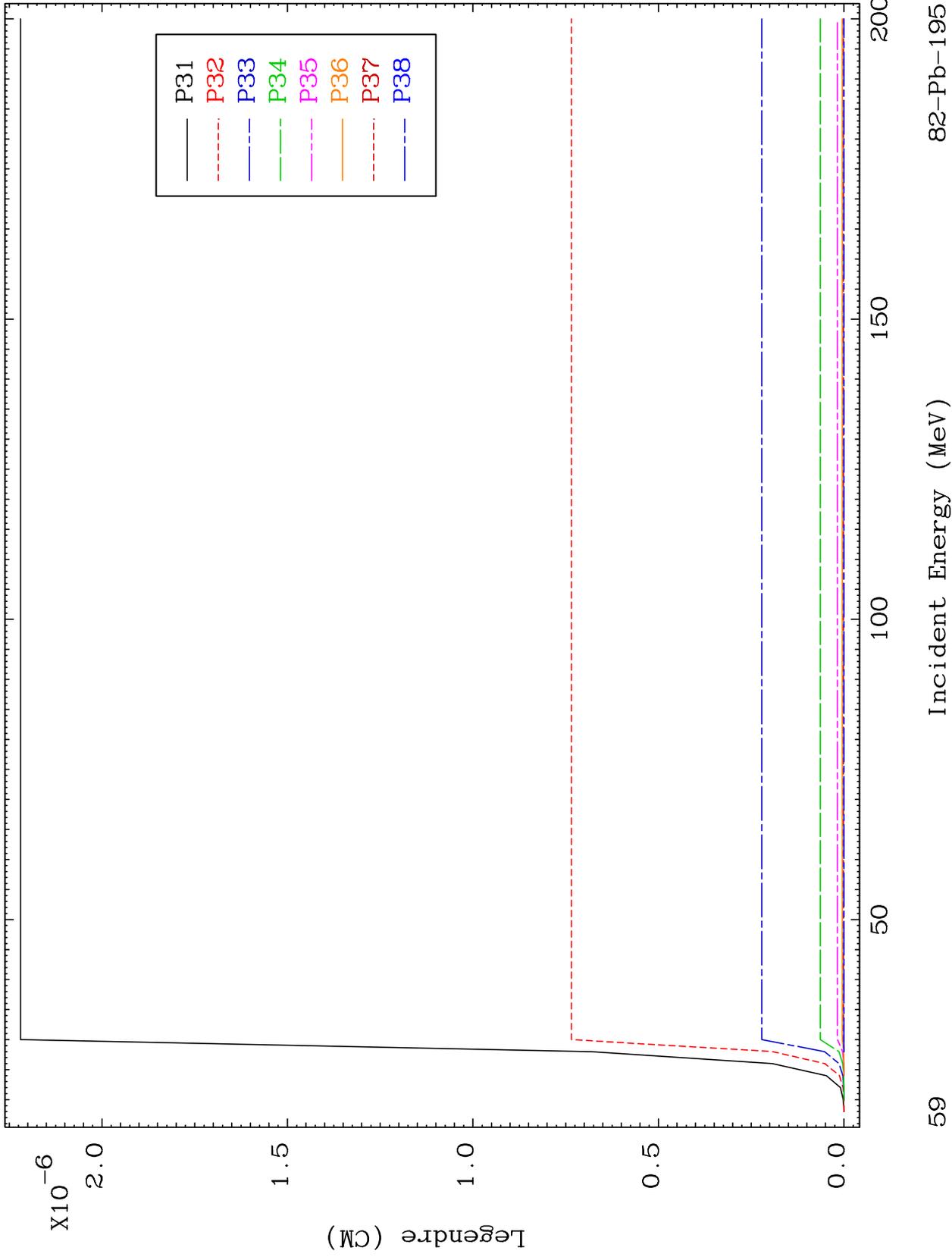
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



59

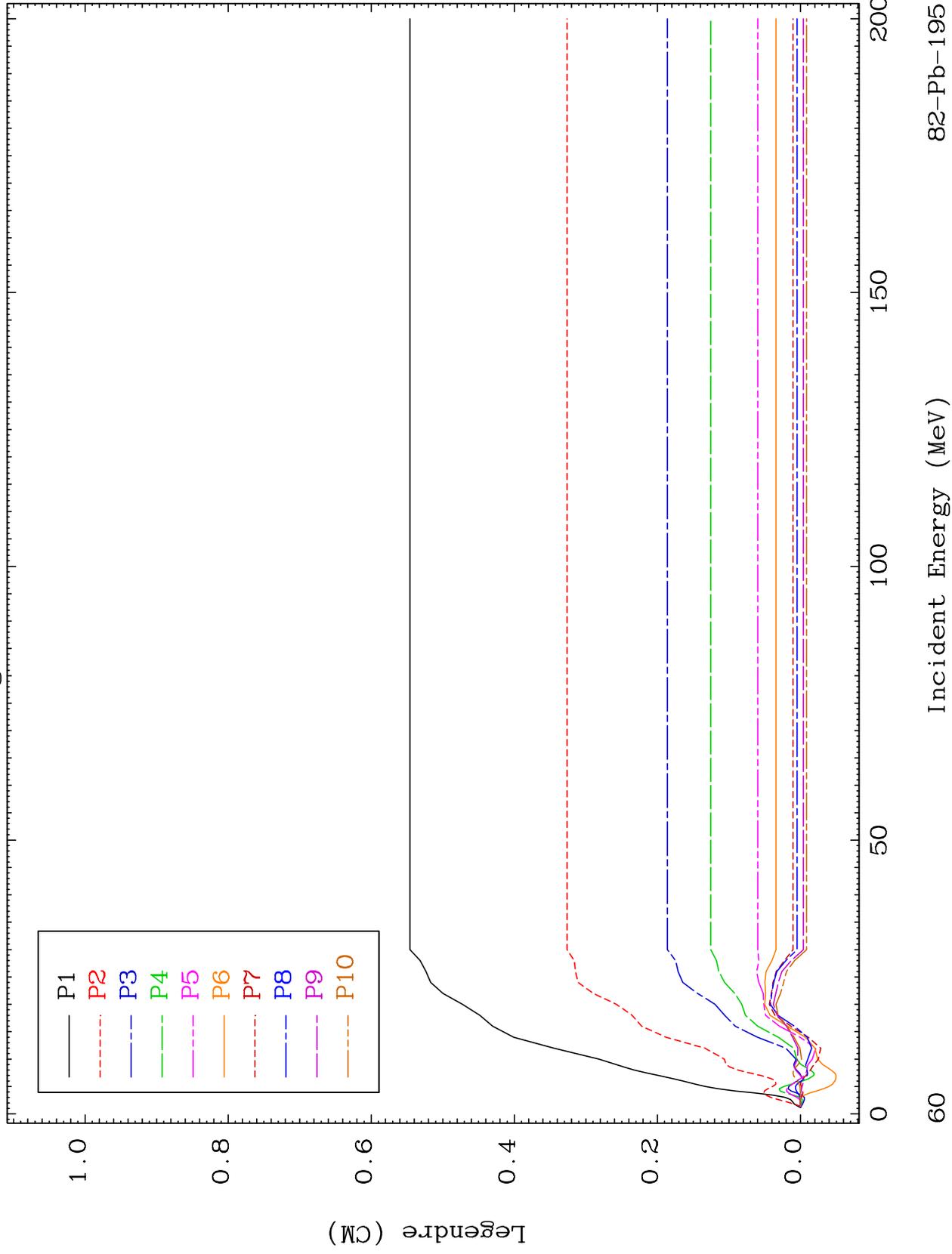
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



82-Pb-195

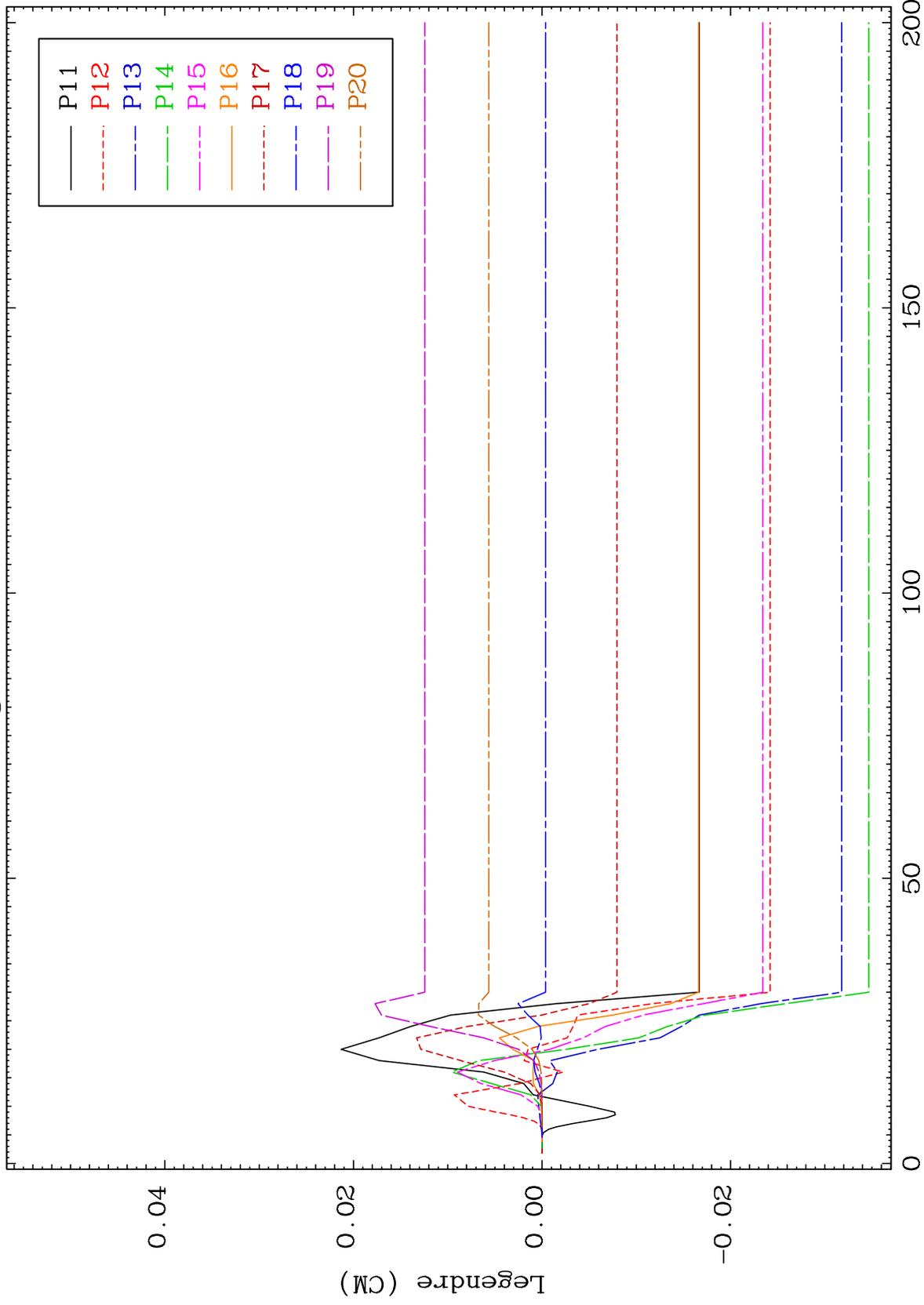
Incident Energy (MeV)

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MAT 8198

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

82-Pb-195



61

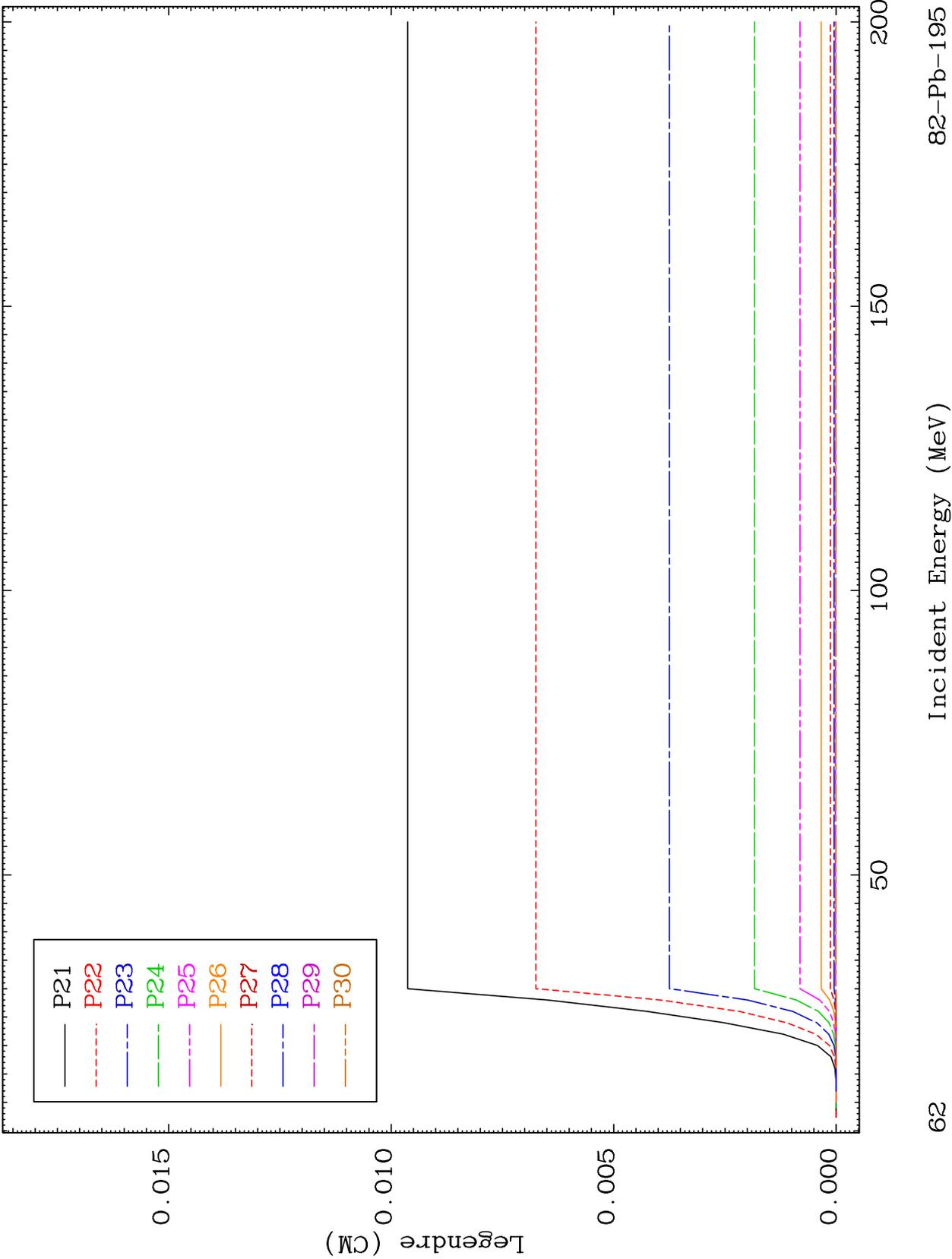
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



62

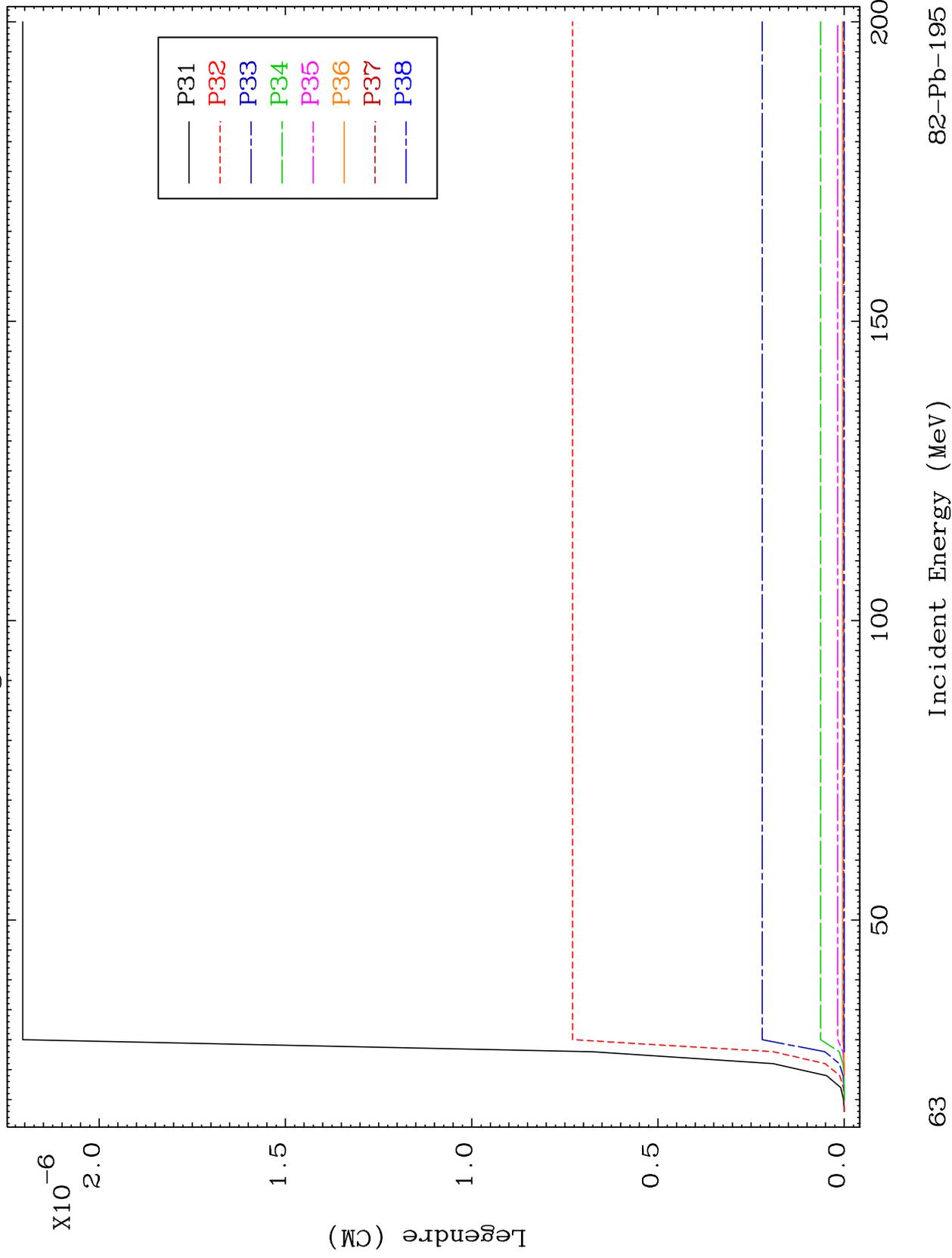
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



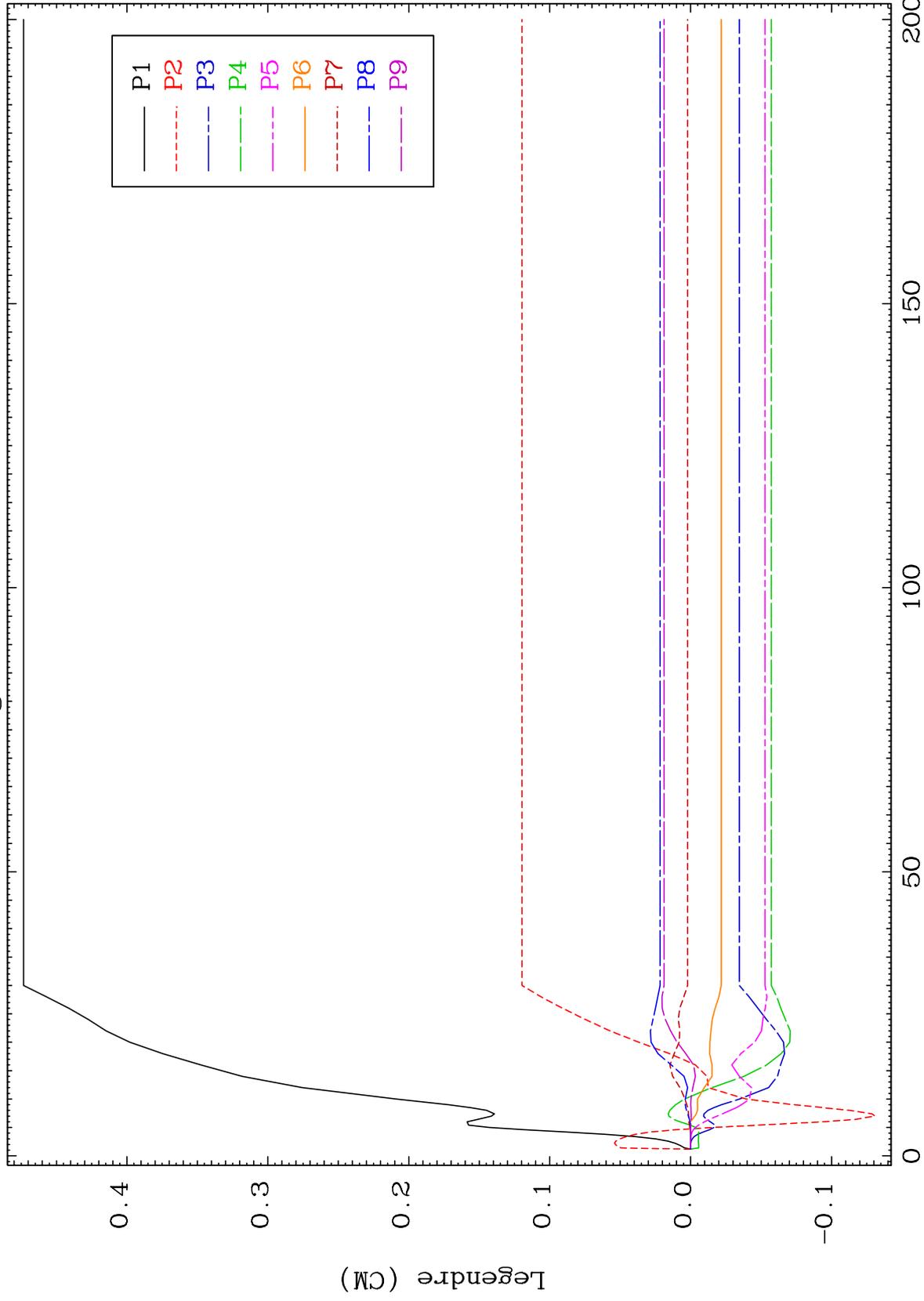
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82-Pb-195

MAT 8198

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

82-Pb-195



64

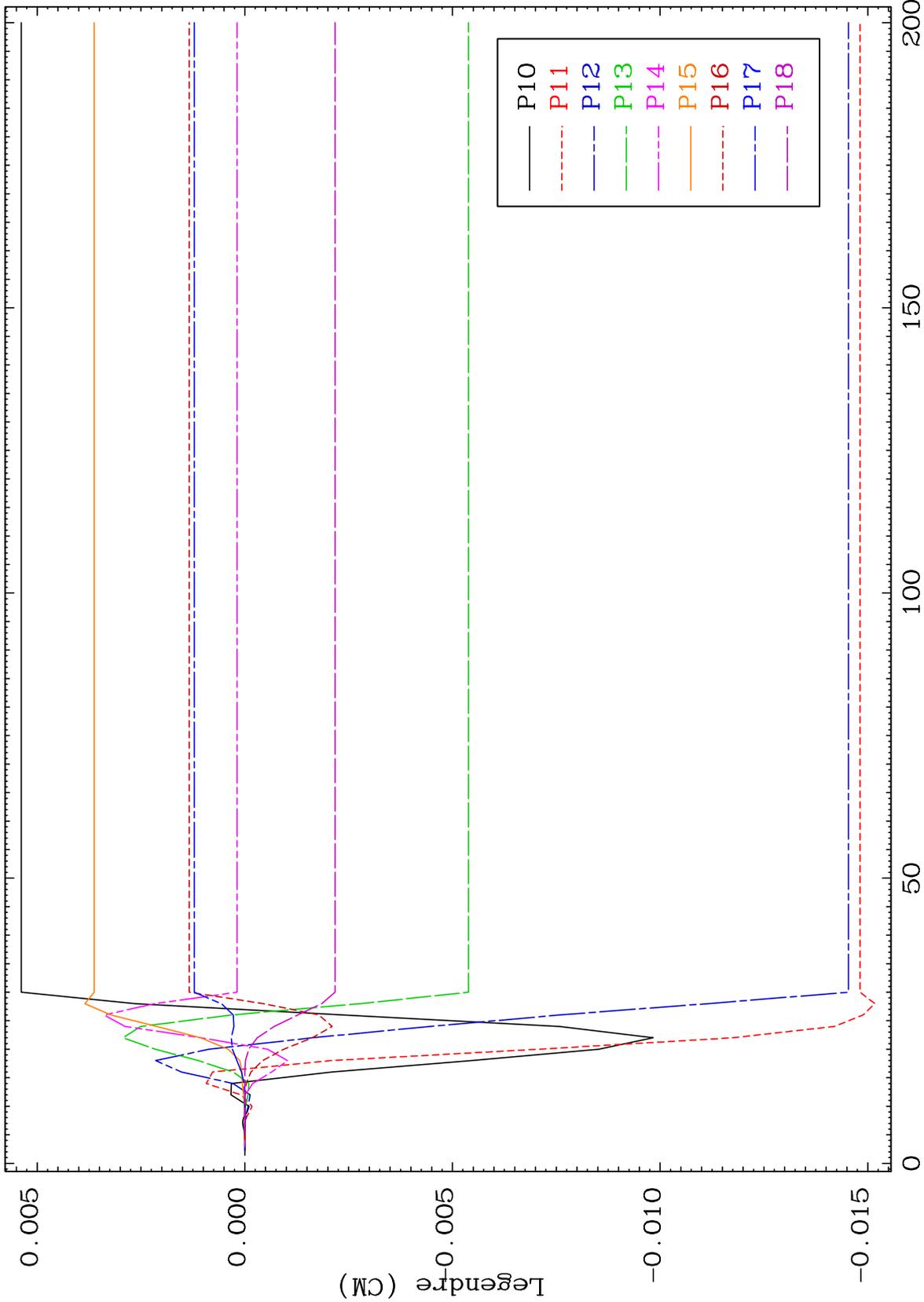
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

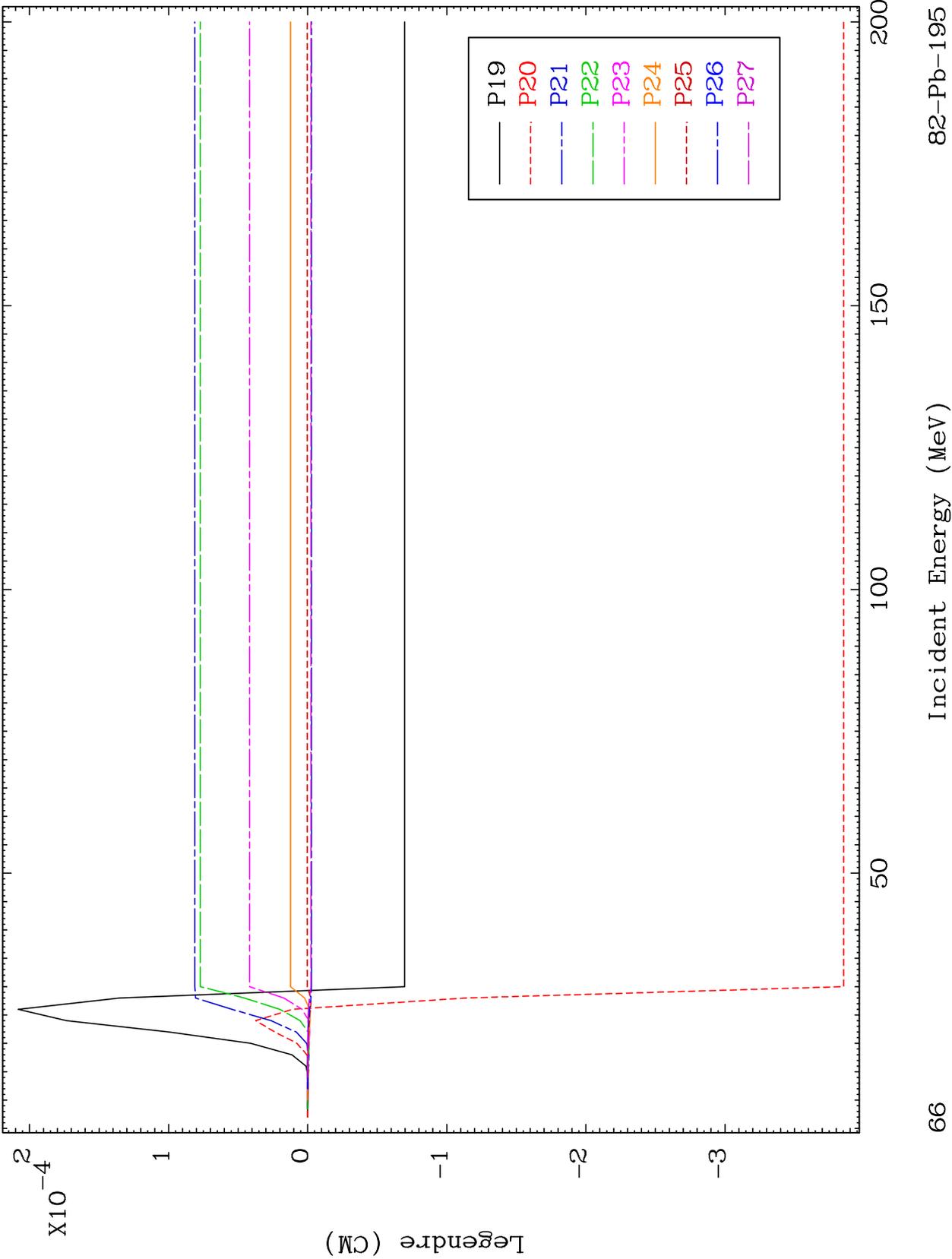
82-Pb-195



65

Incident Energy (MeV)

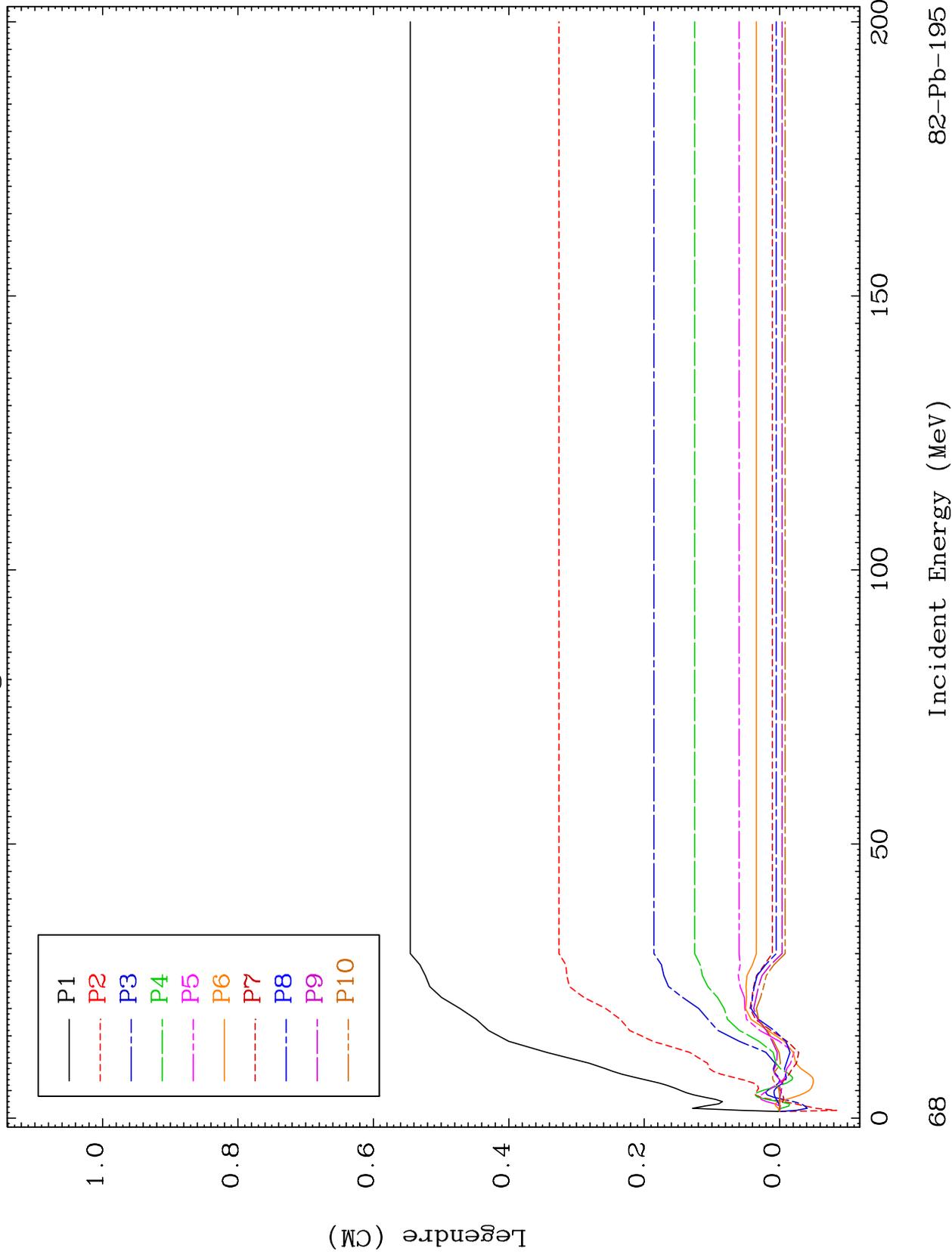
82-Pb-195



MAT 8198

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

82-Pb-195



82-Pb-195

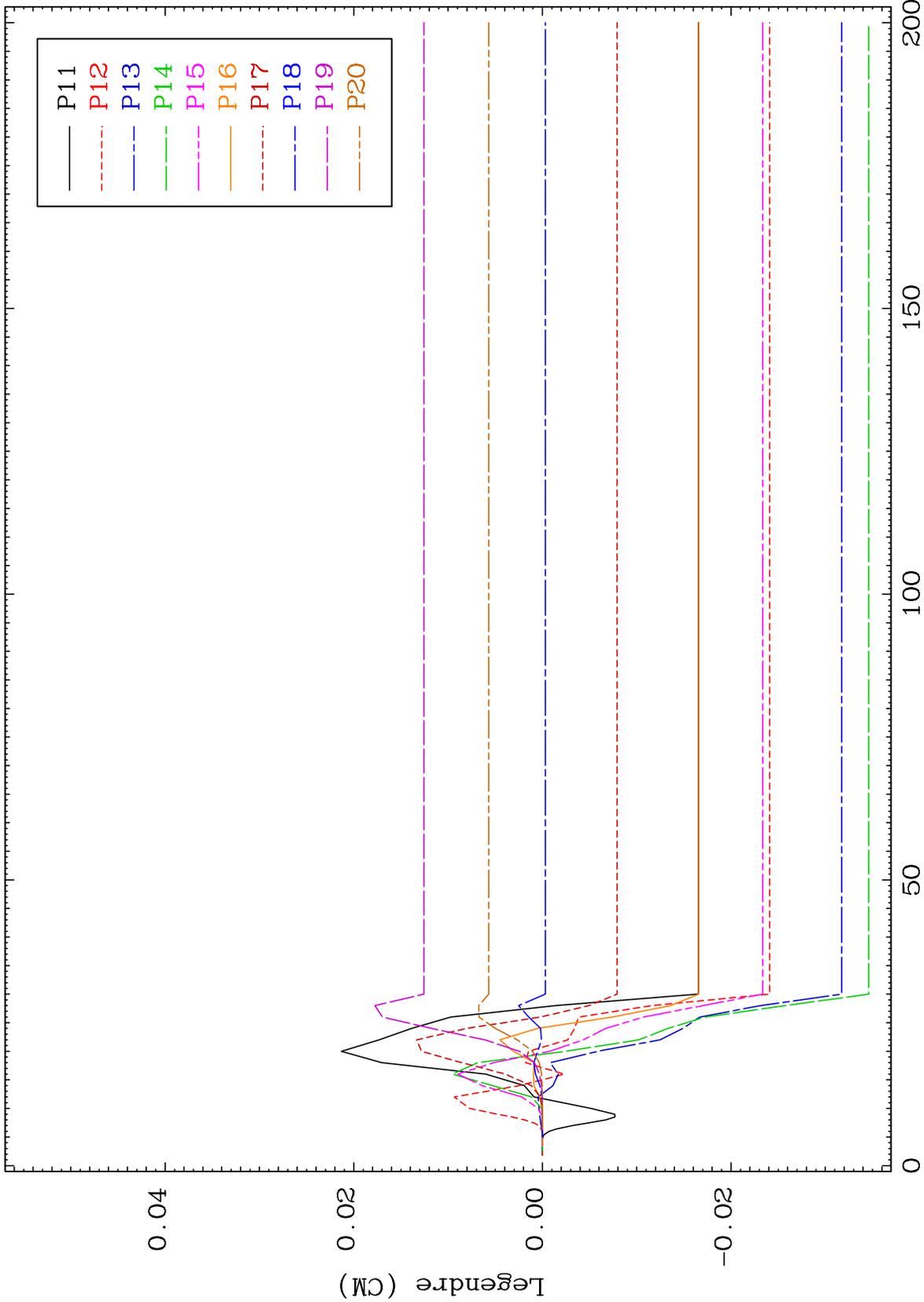
Incident Energy (MeV)

68

MAT 8198

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

82-Pb-195



69

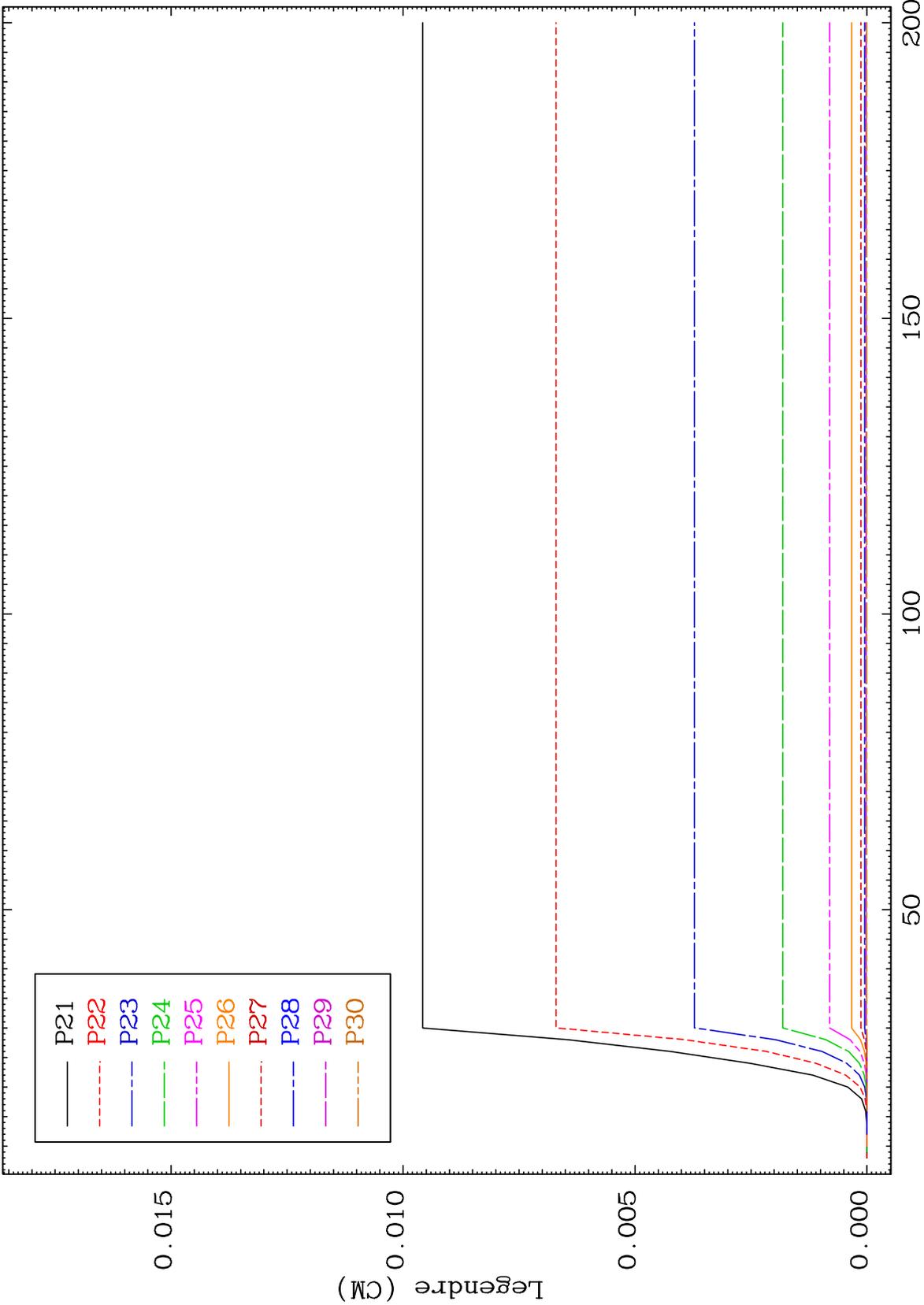
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



70

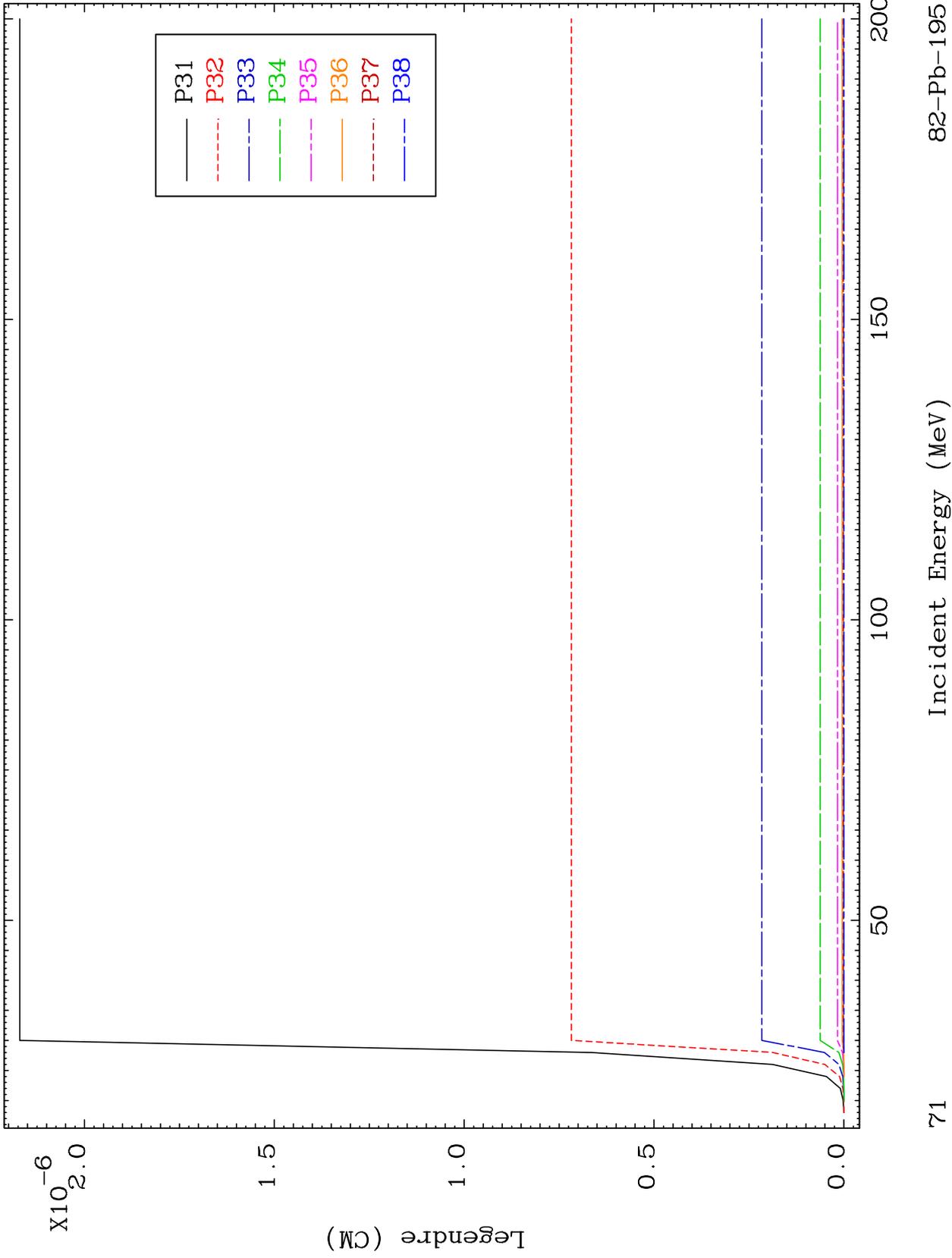
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



71

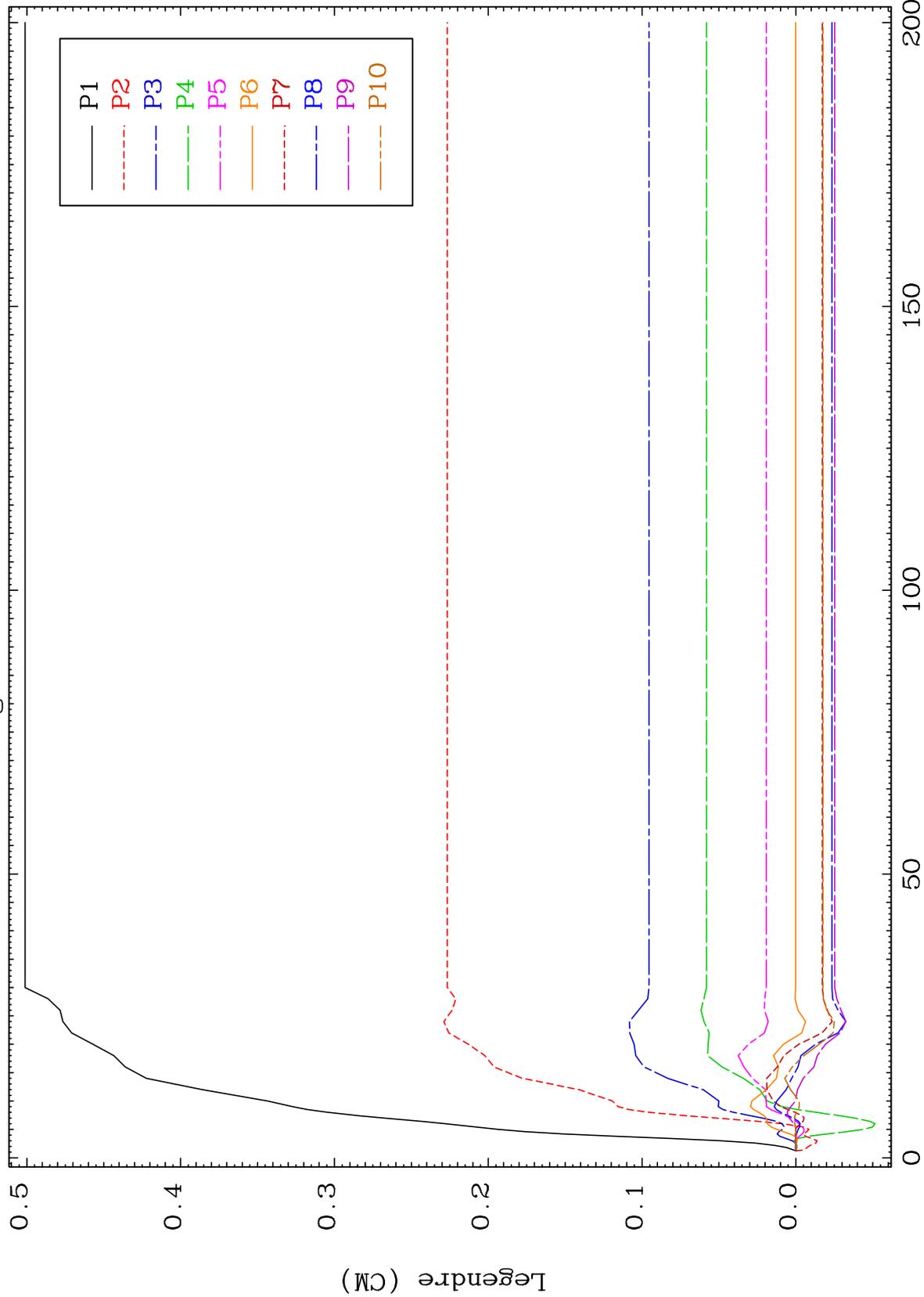
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



72

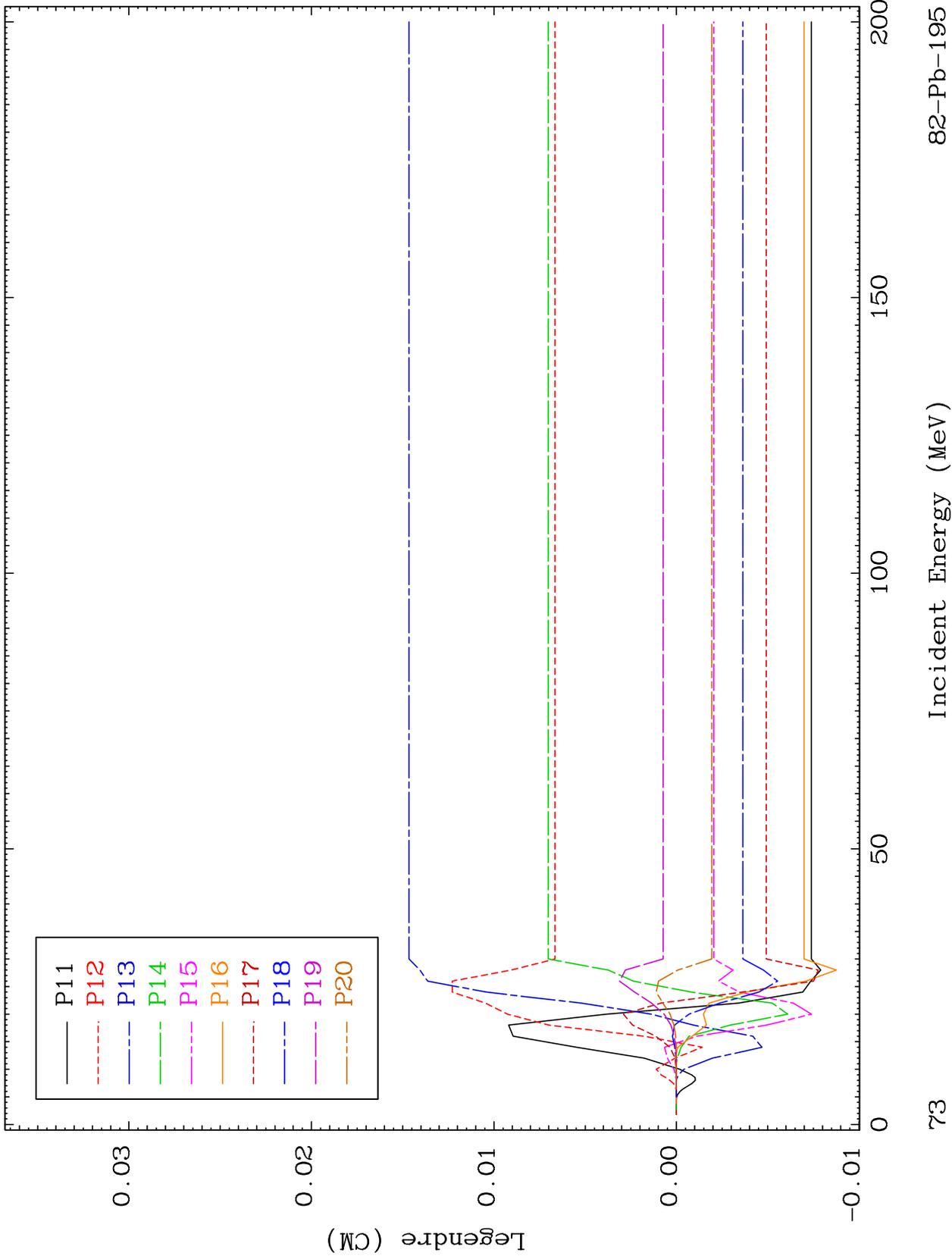
Incident Energy (MeV)

82-Pb-195

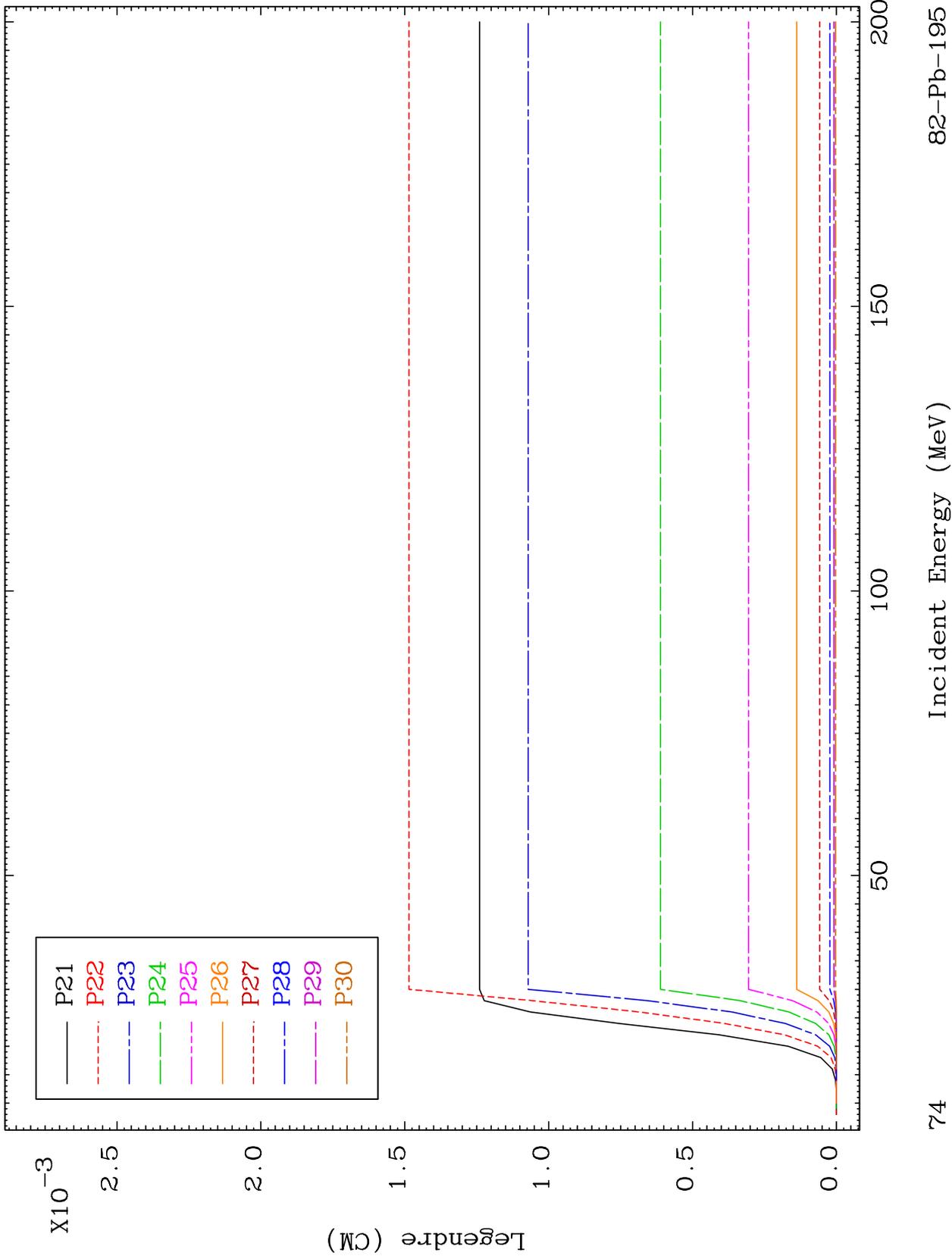
MAT 8198

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

82-Pb-195



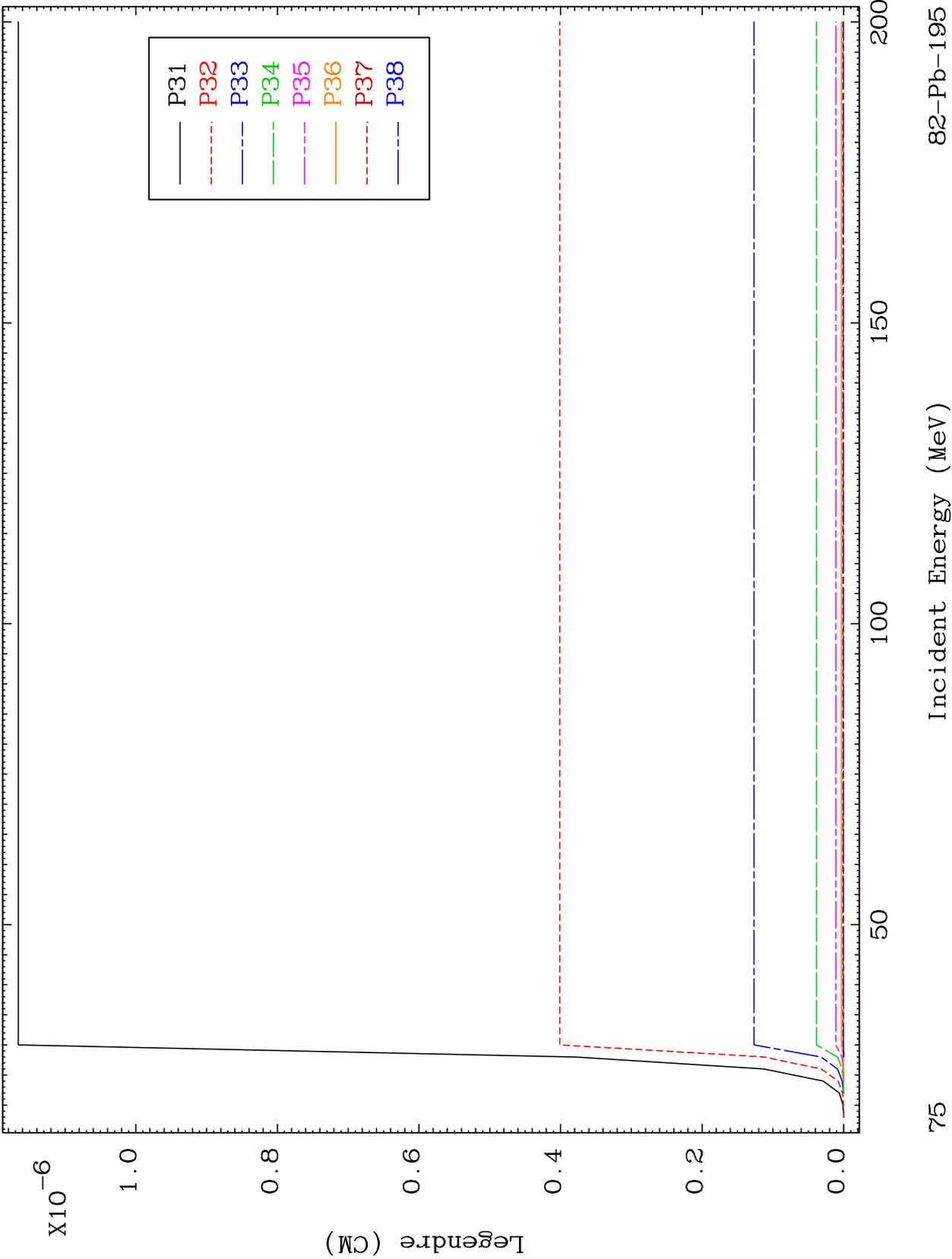
73



MAT 8198

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

82-Pb-195



75

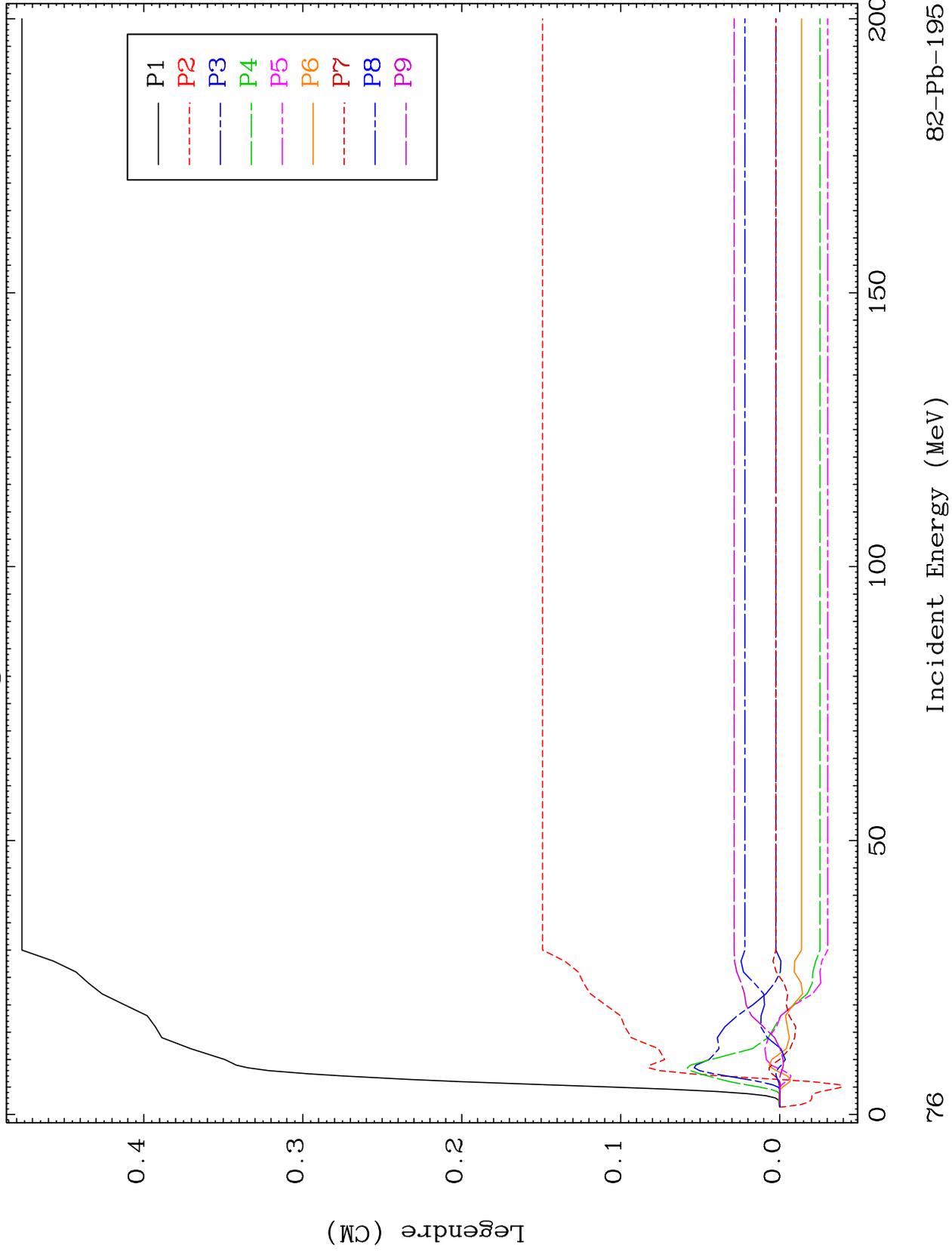
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



82-Pb-195

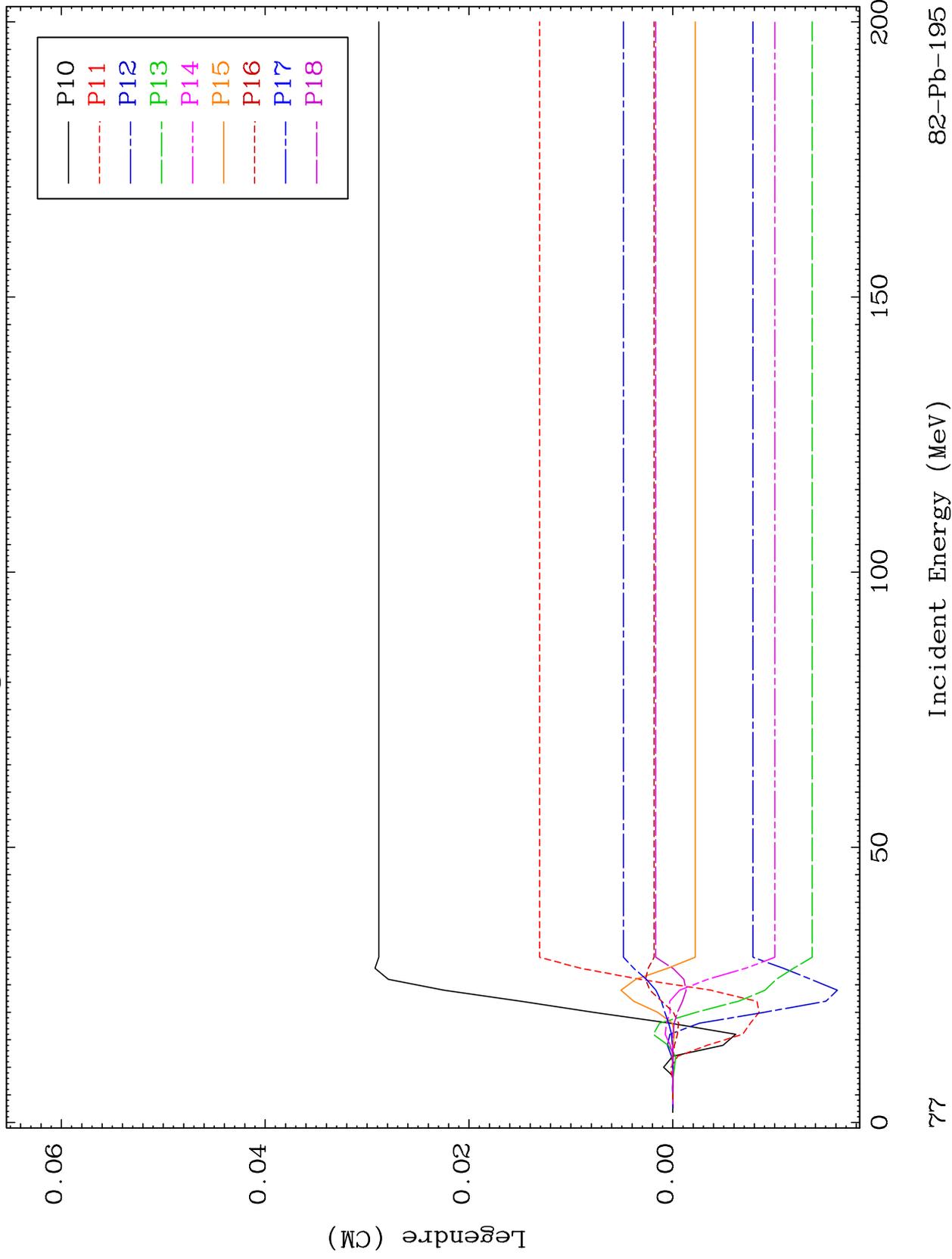
Incident Energy (MeV)

76

MAT 8198

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

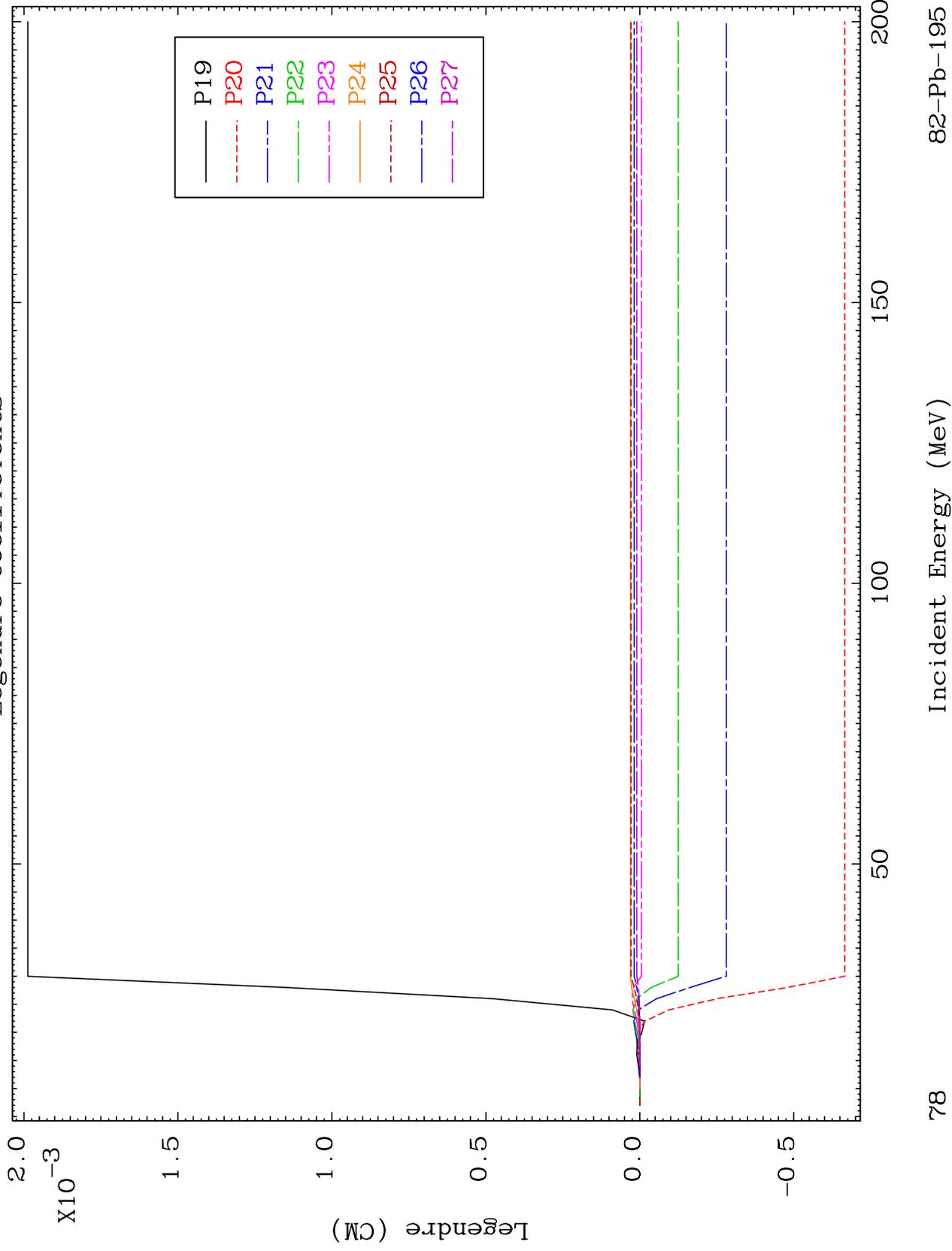
82-Pb-195



MAT 8198

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

82-Pb-195



78

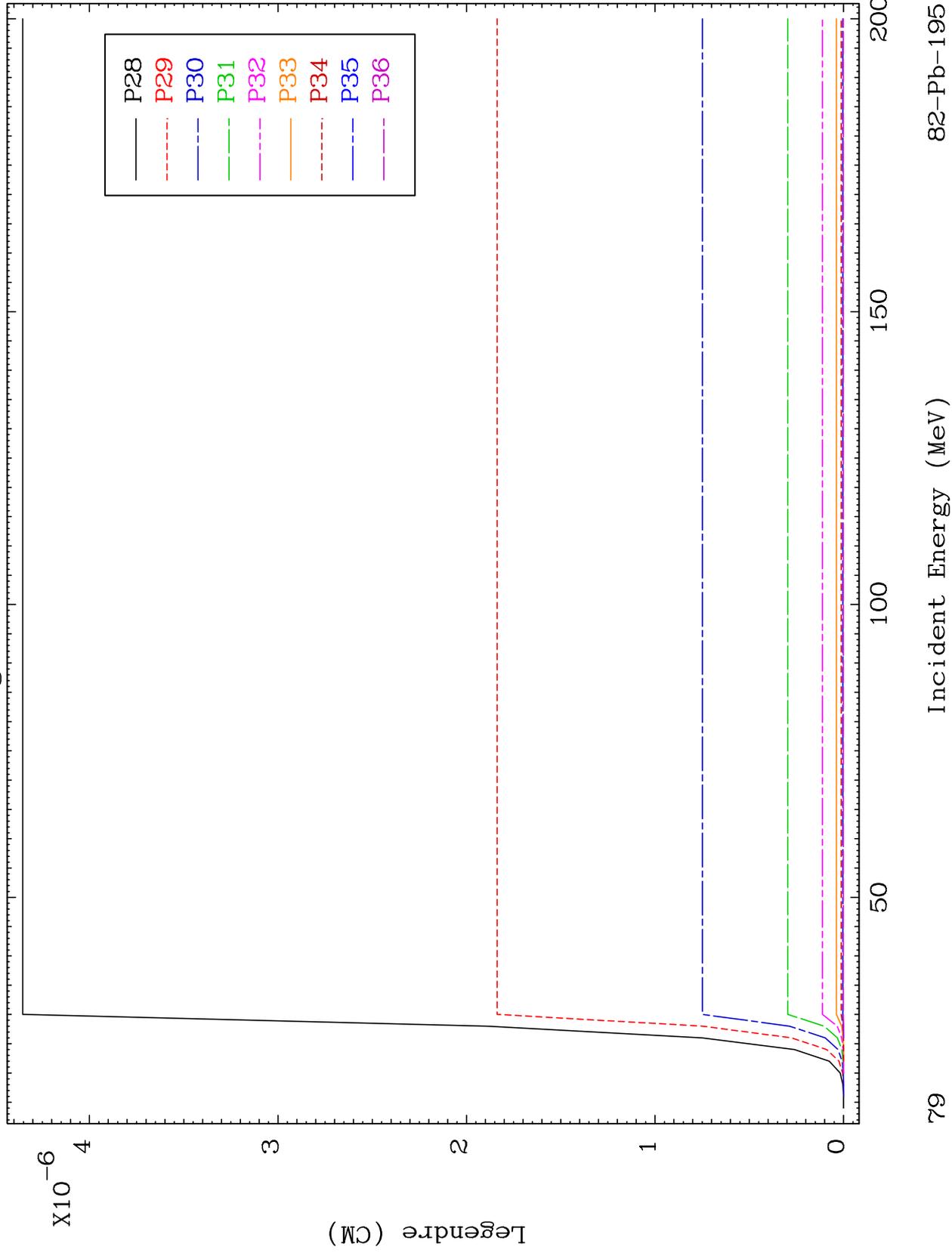
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

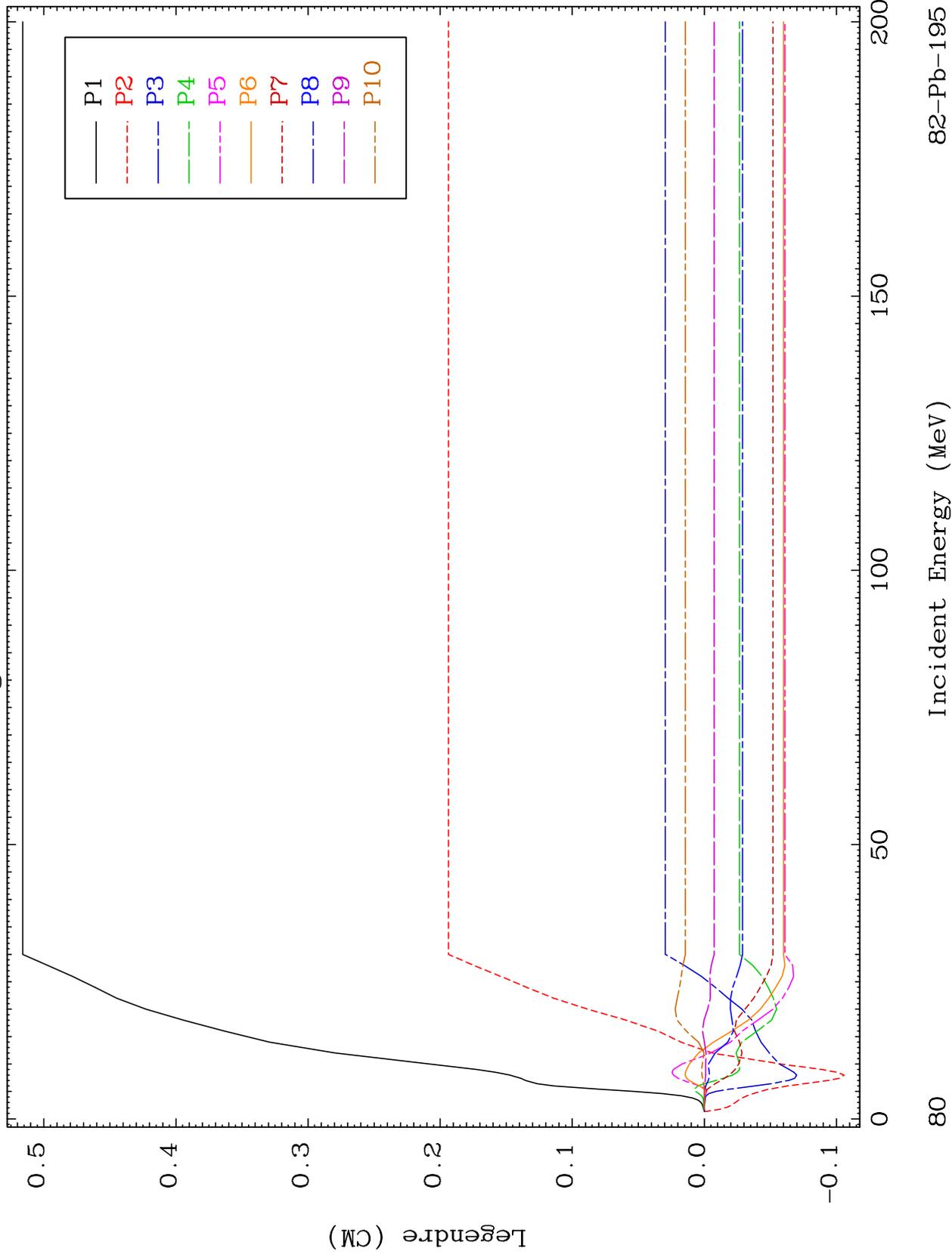
82-Pb-195



MAT 8198

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

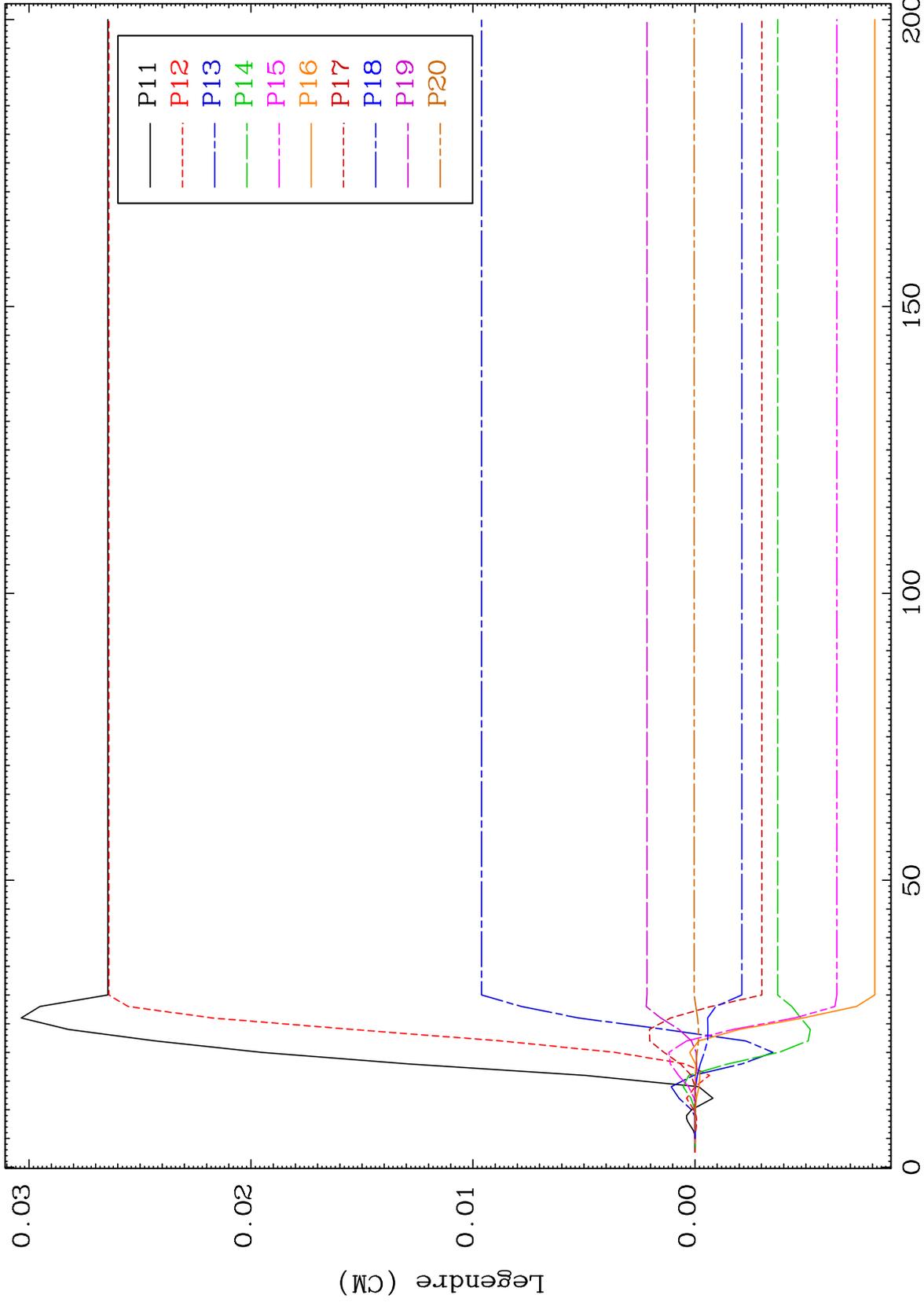
82-Pb-195



MAT 8198

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

82-Pb-195



81

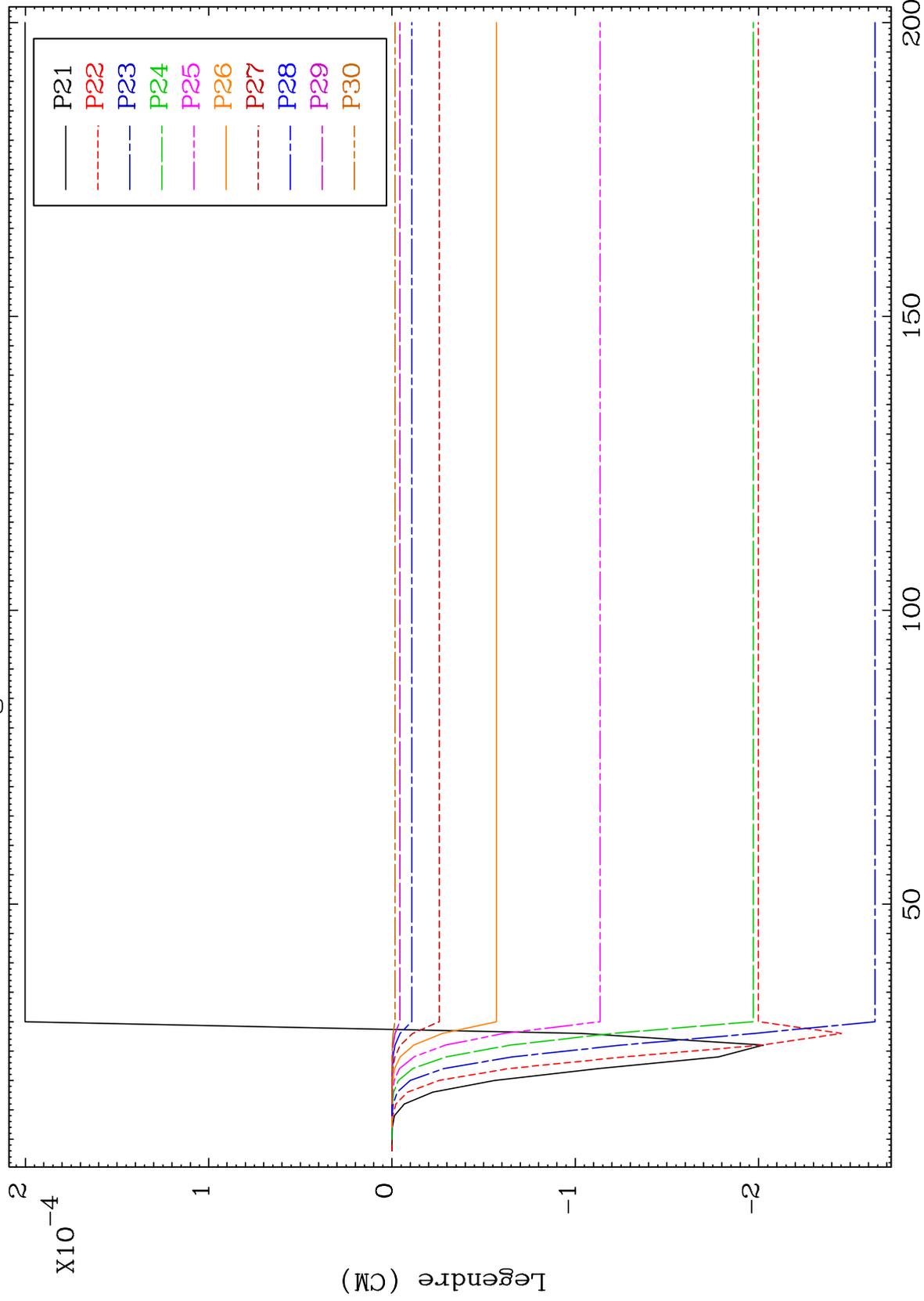
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

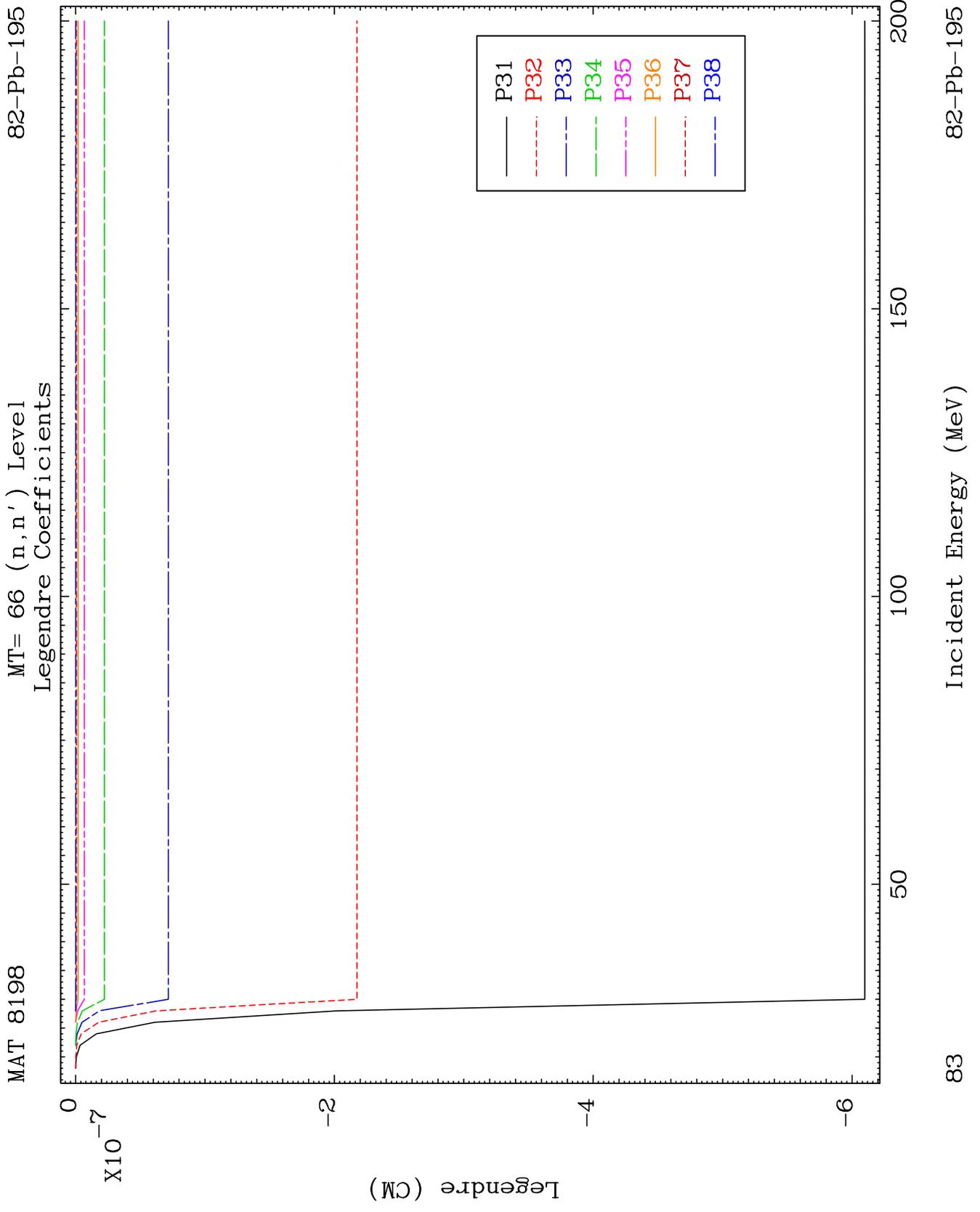
82-Pb-195



82

Incident Energy (MeV)

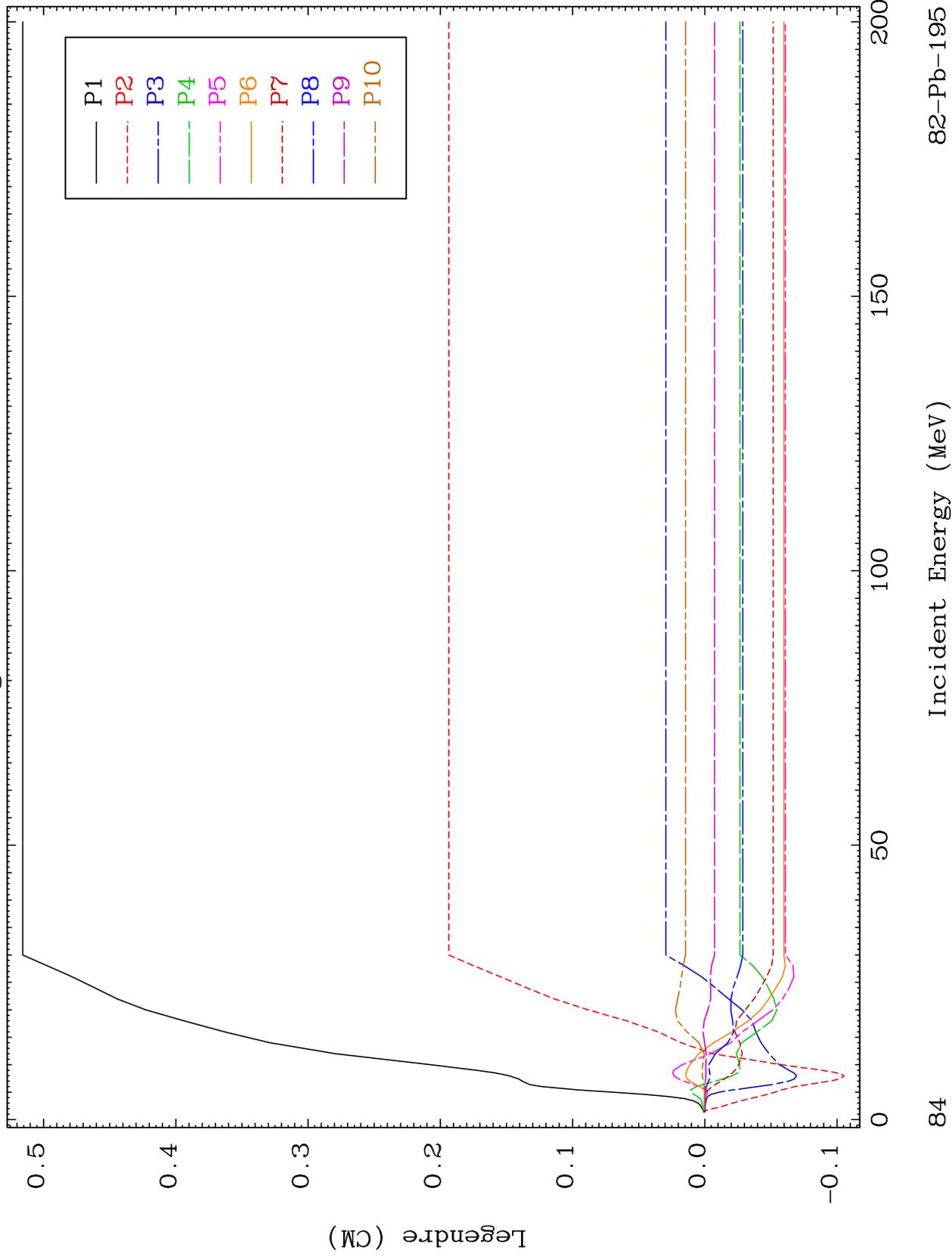
82-Pb-195



MAT 8198

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

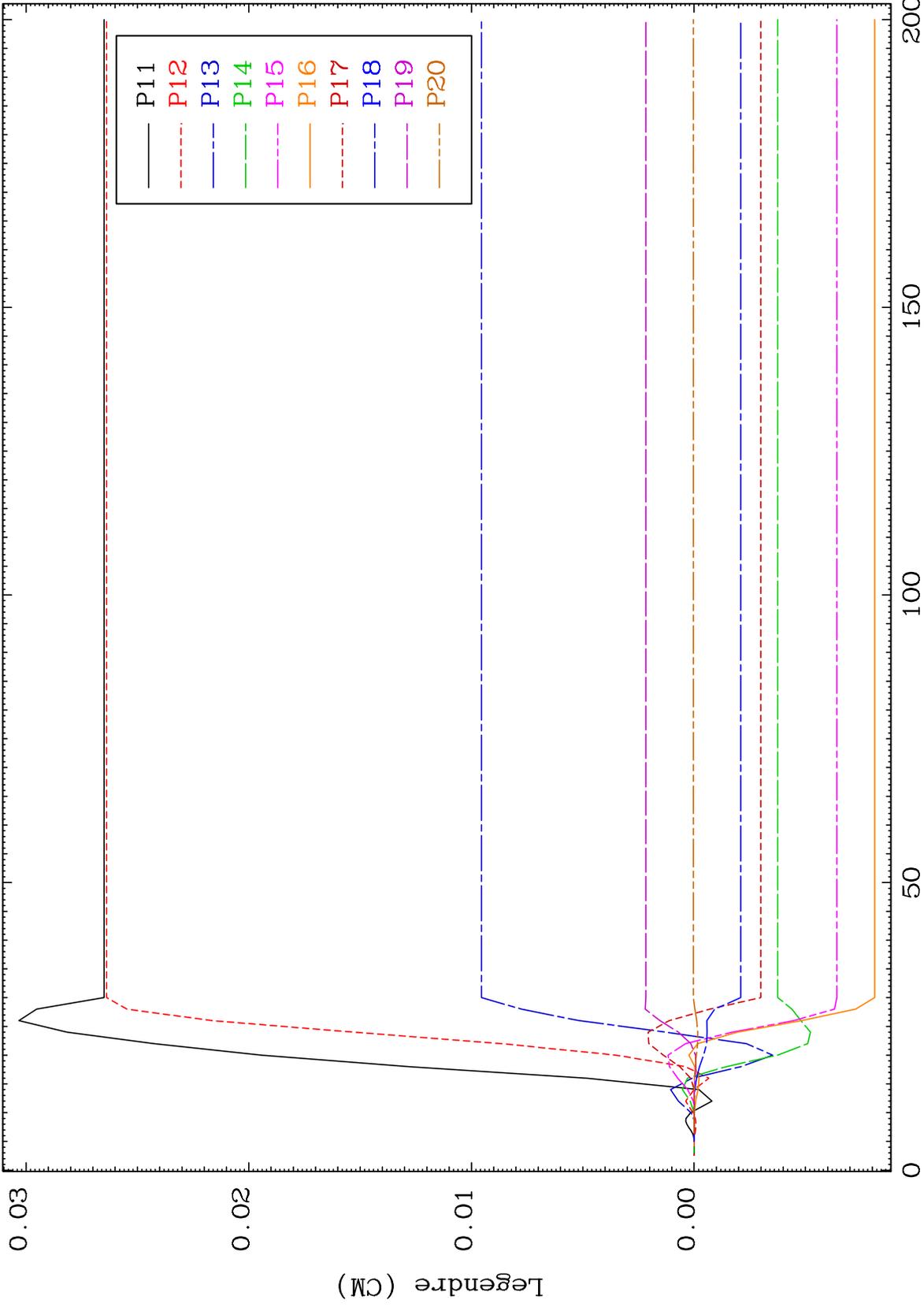
82-Pb-195



MAT 8198

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

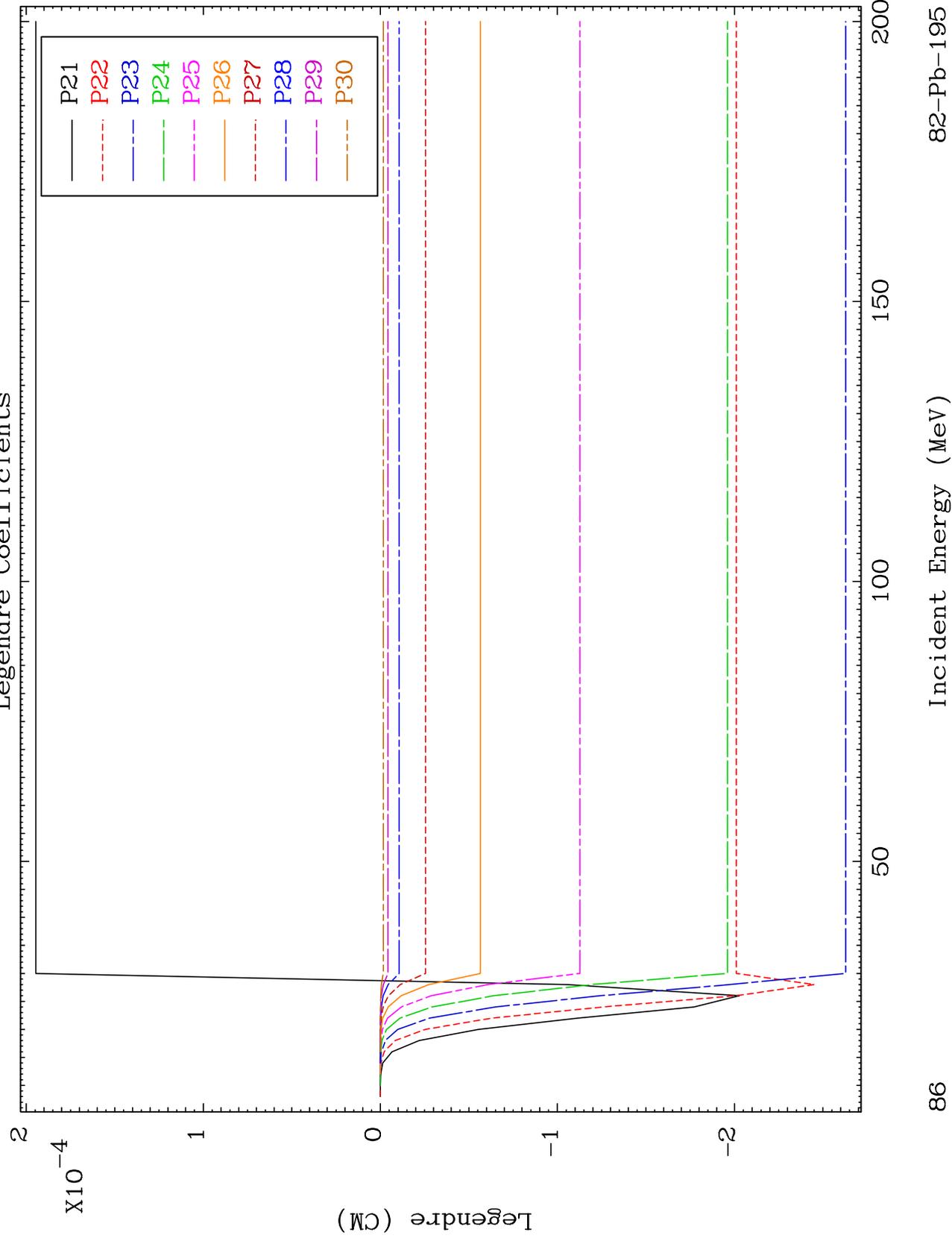
82-Pb-195

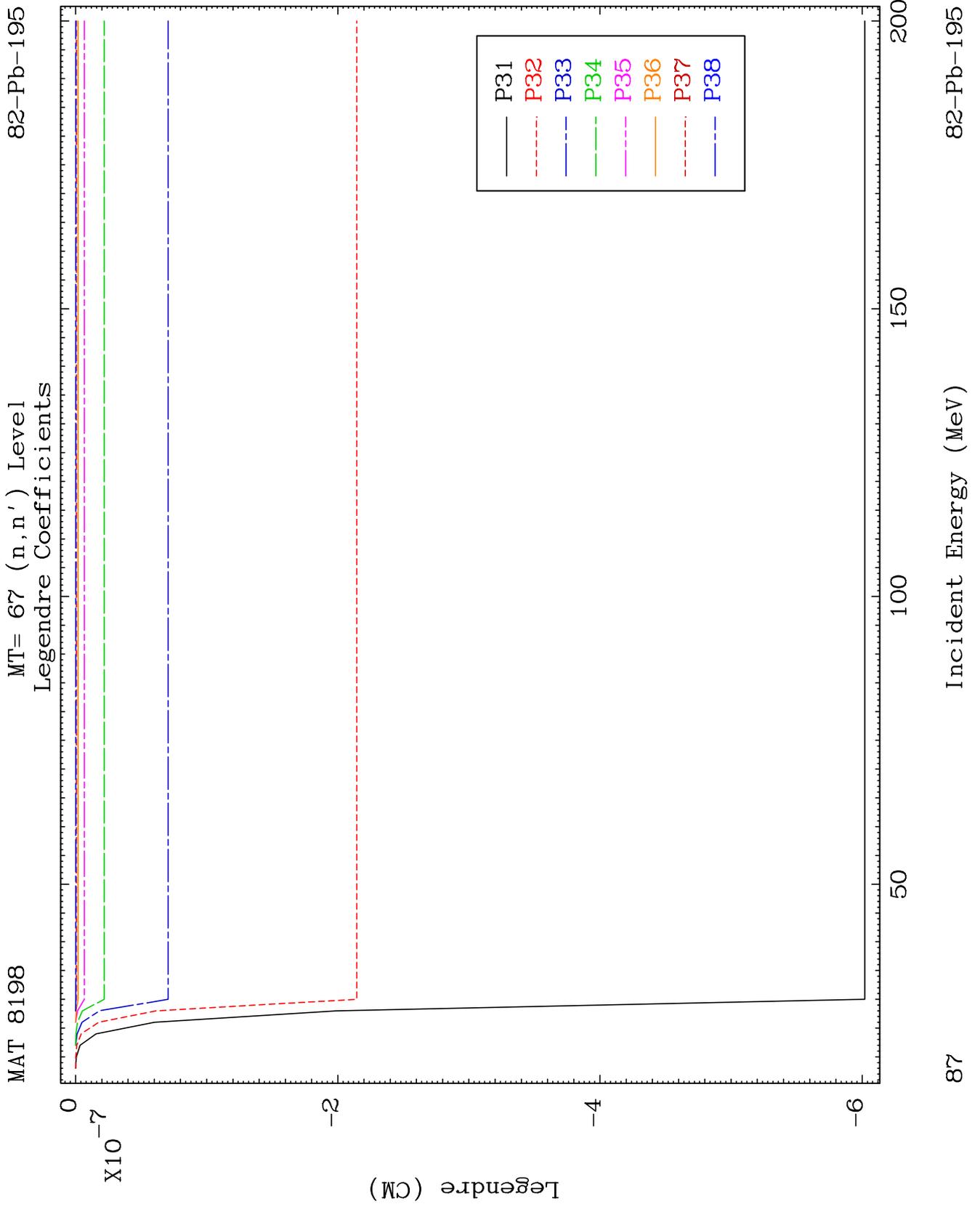


85

Incident Energy (MeV)

82-Pb-195

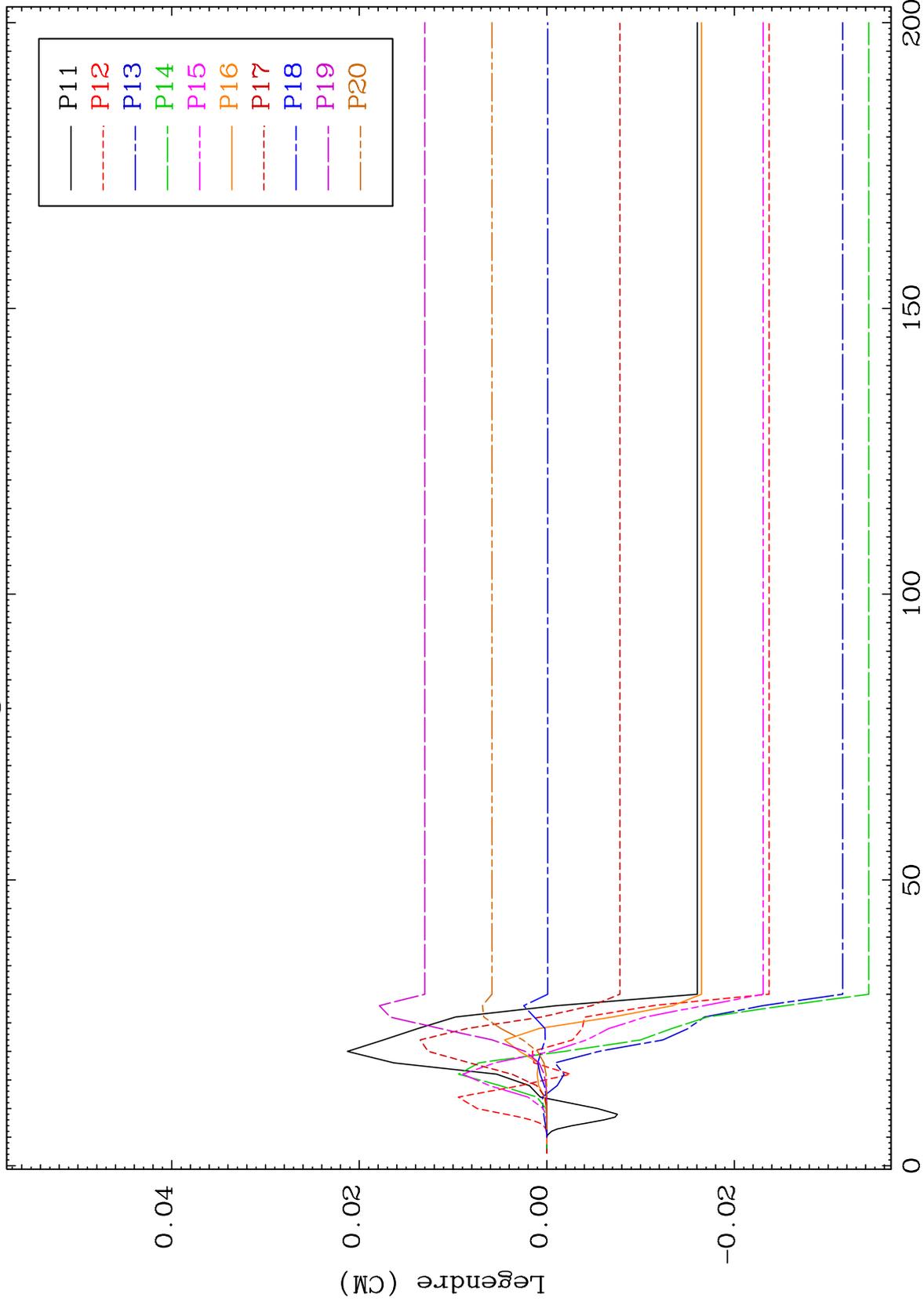




MAT 8198

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

82-Pb-195



89

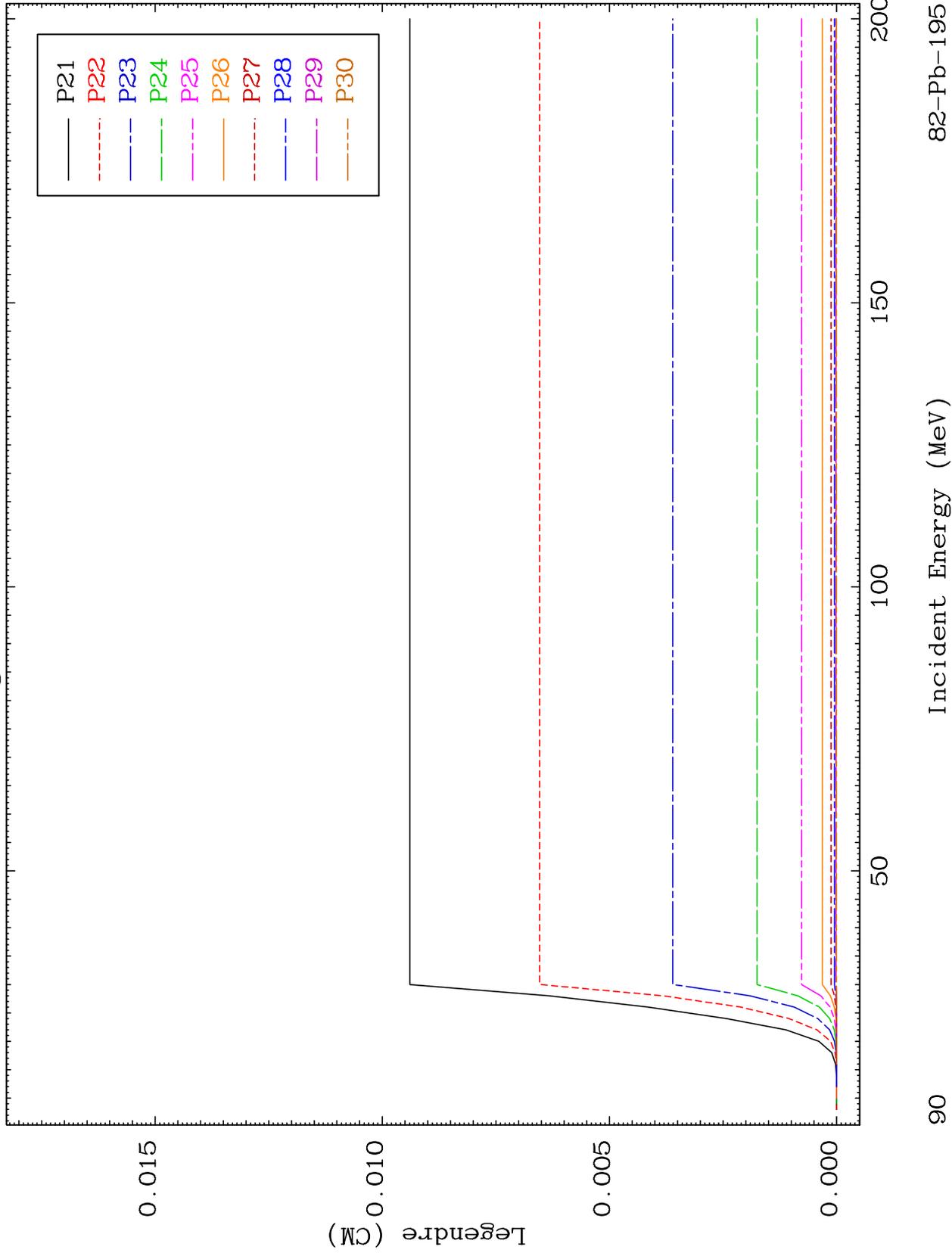
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



90

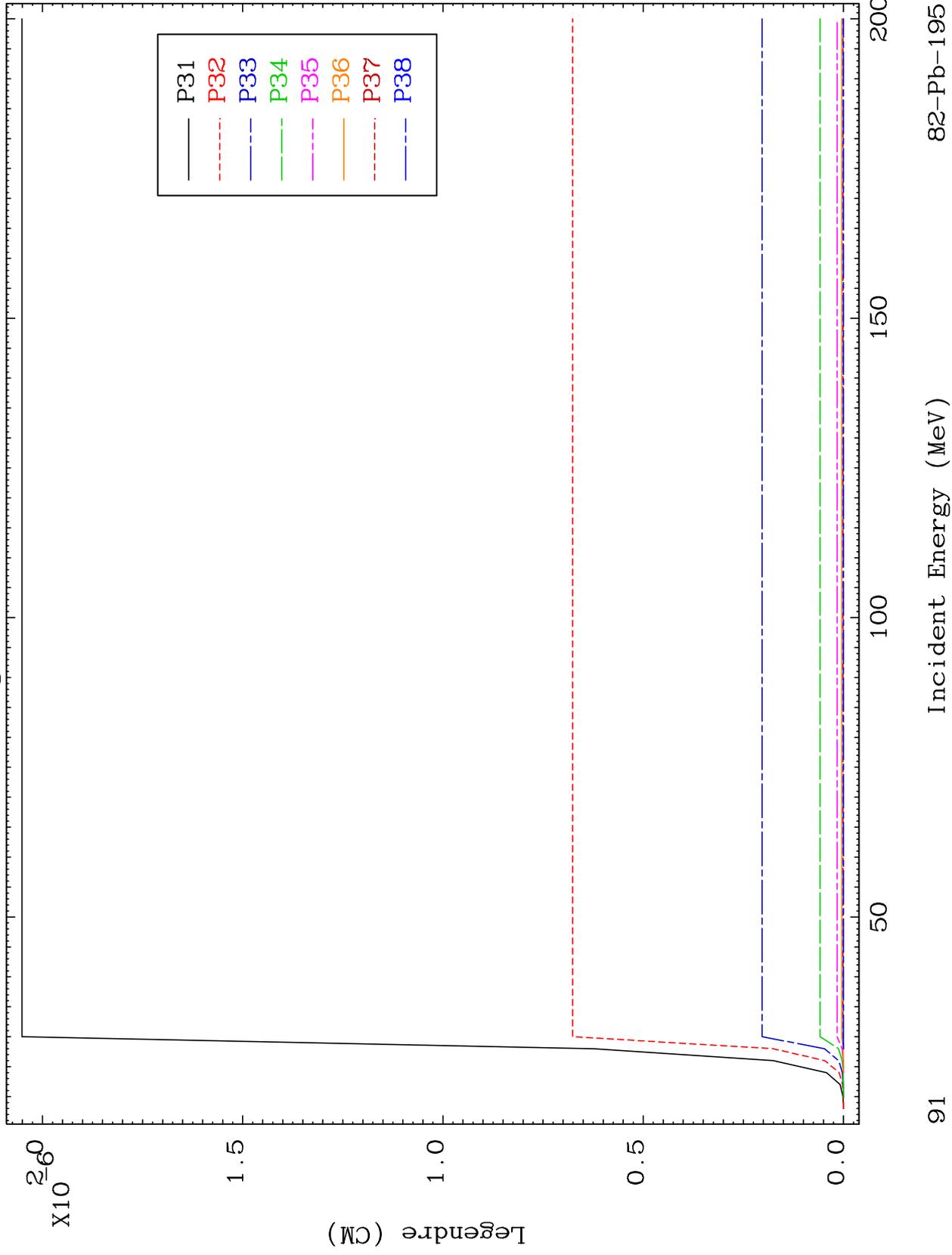
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

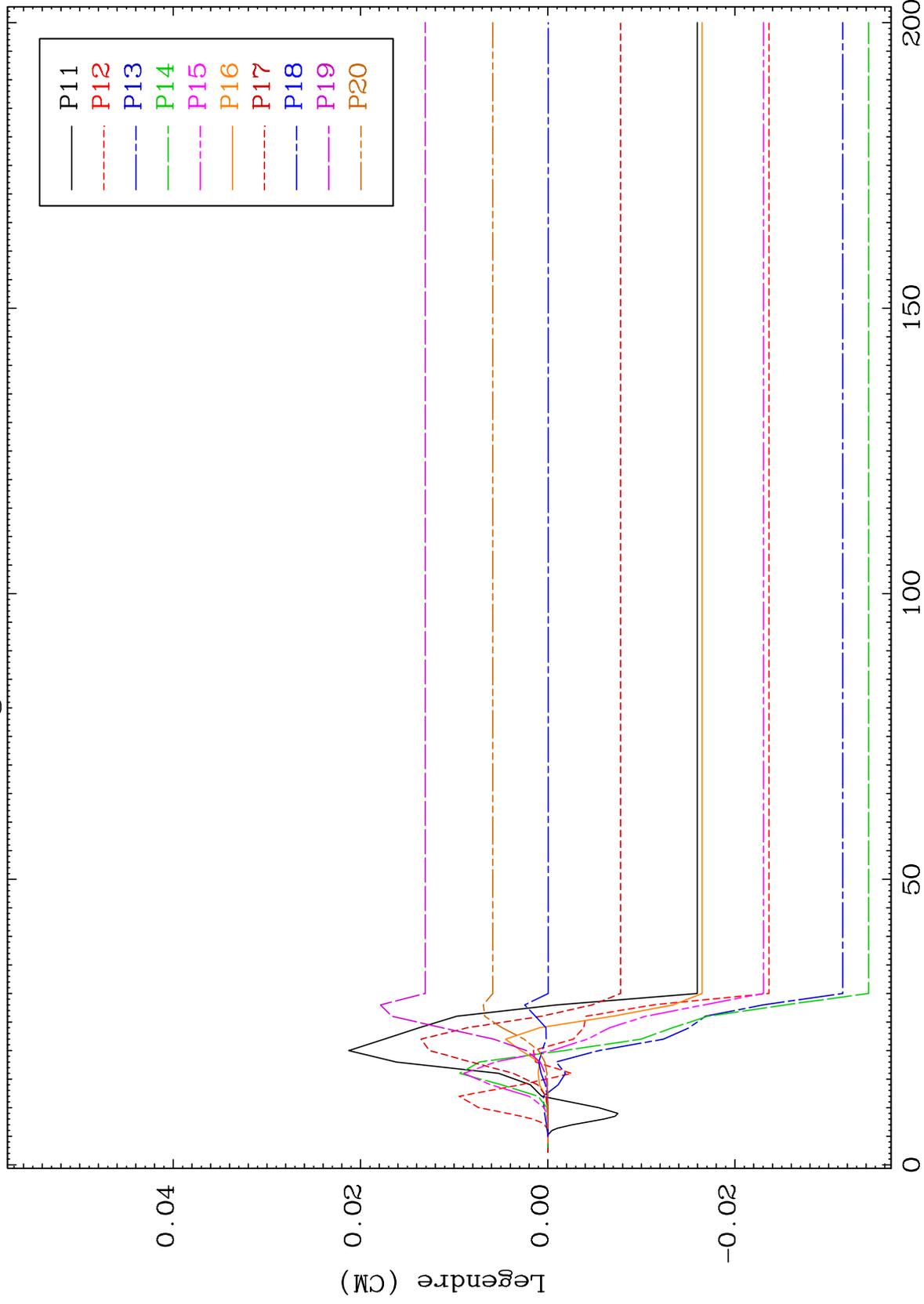
82-Pb-195



MAT 8198

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

82-Pb-195



93

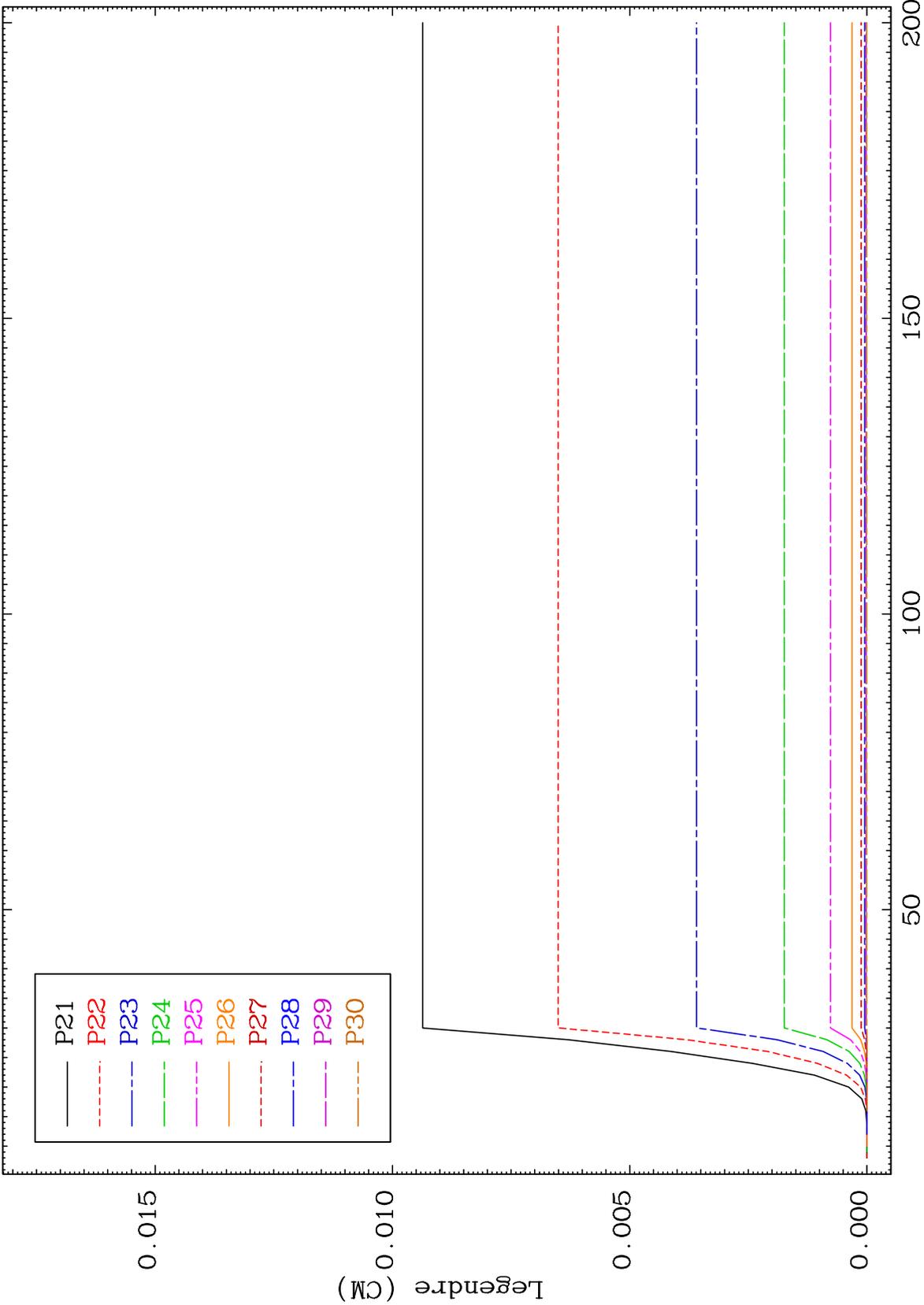
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



94

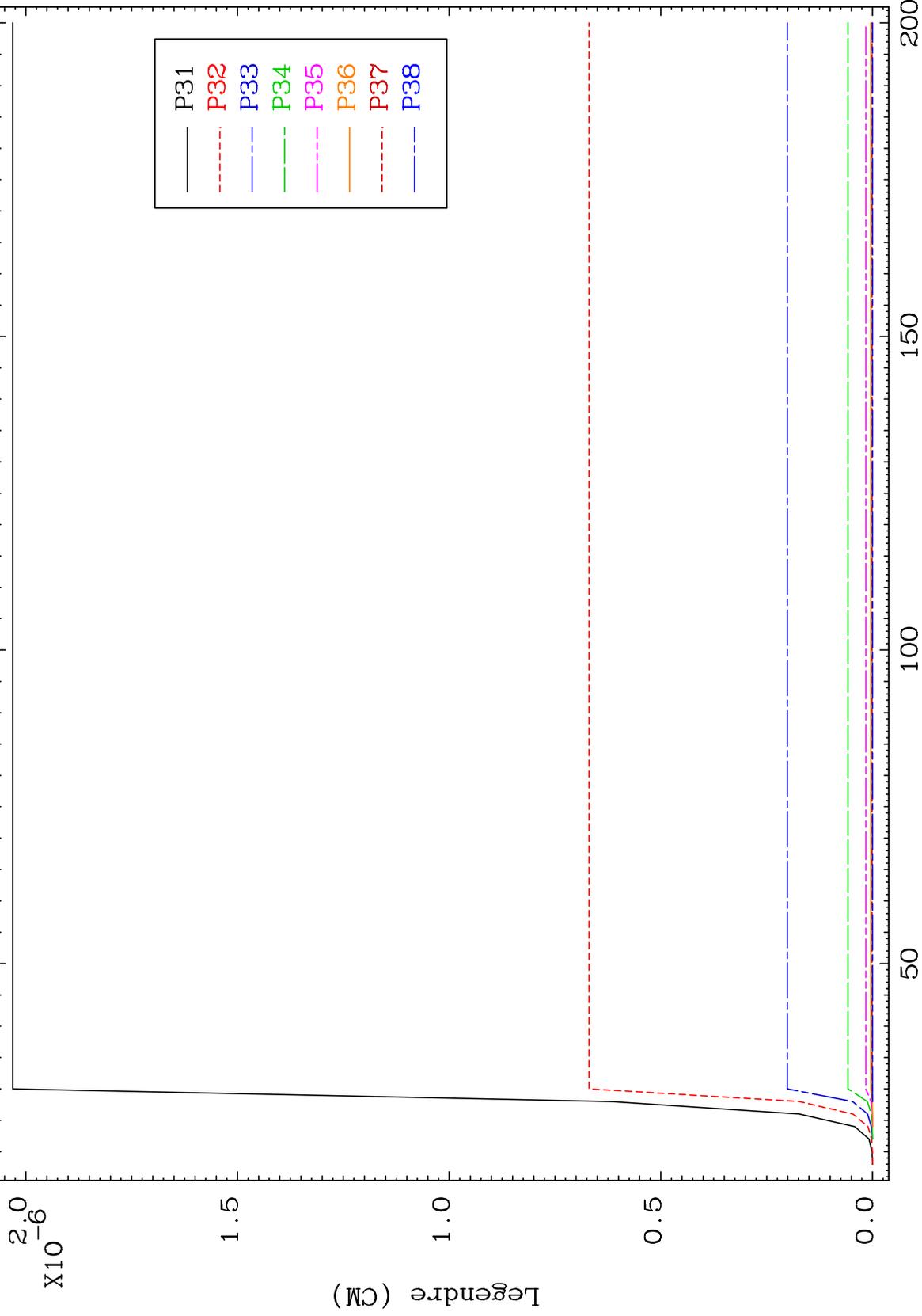
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



95

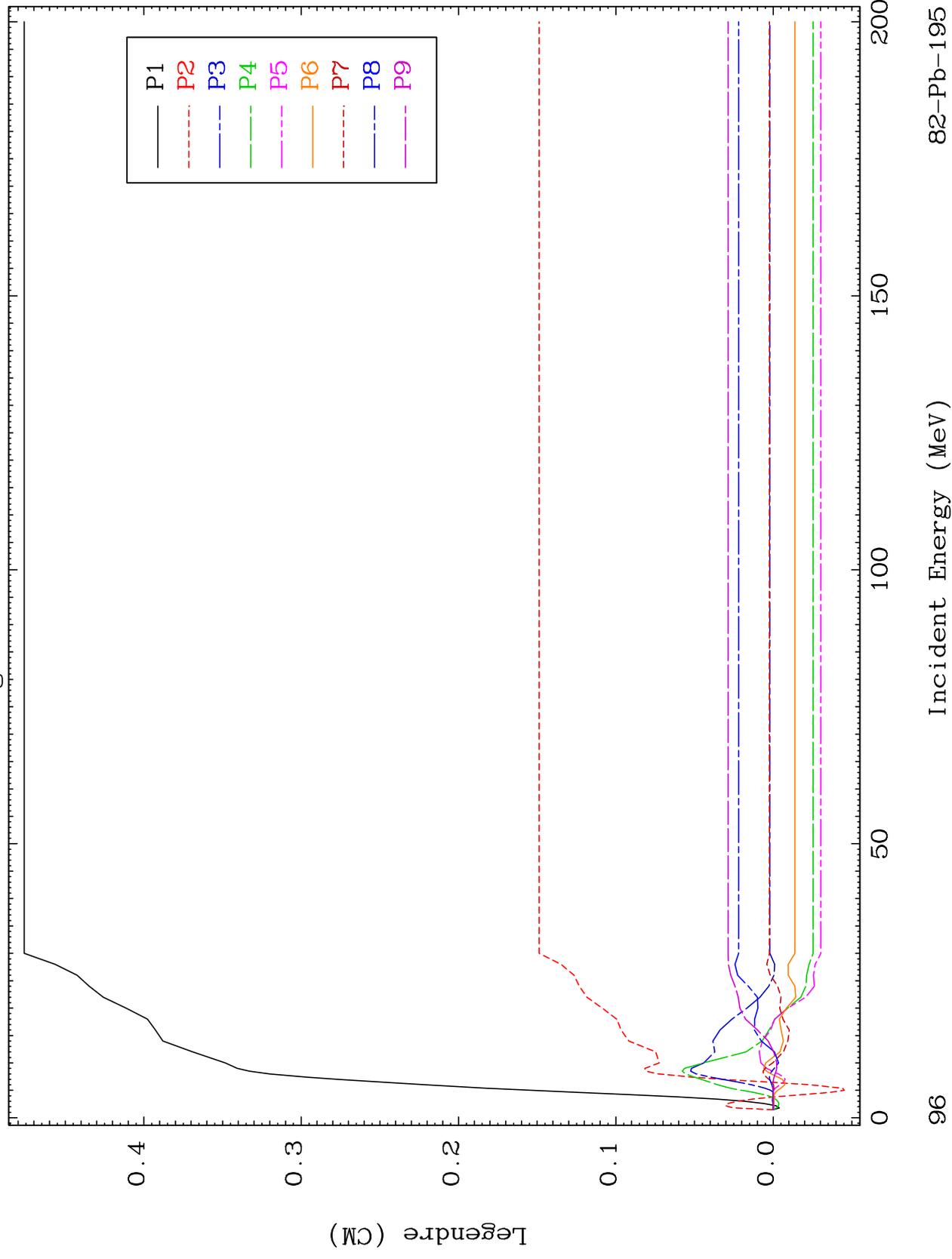
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



82-Pb-195

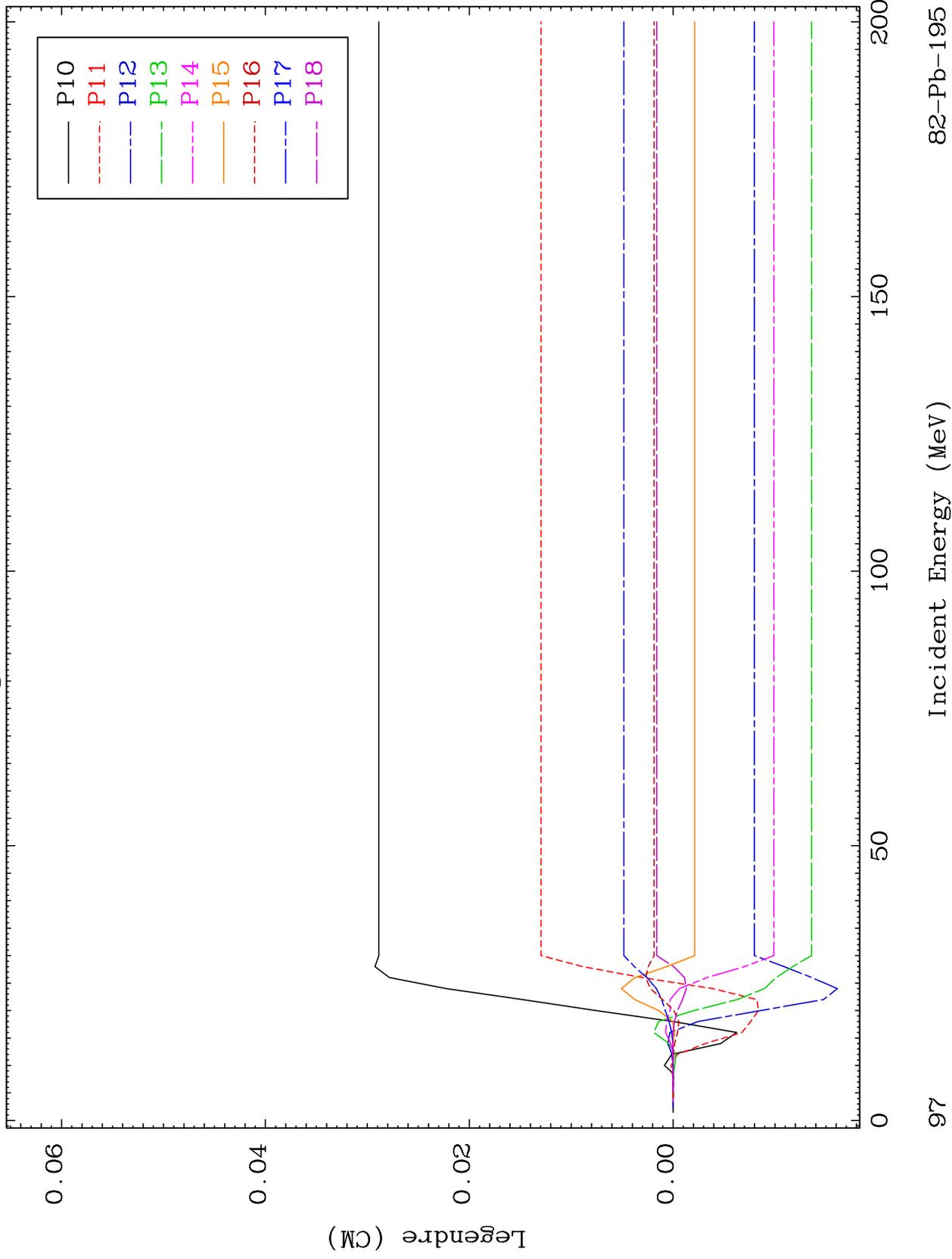
Incident Energy (MeV)

96

MAT 8198

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

82-Pb-195



97

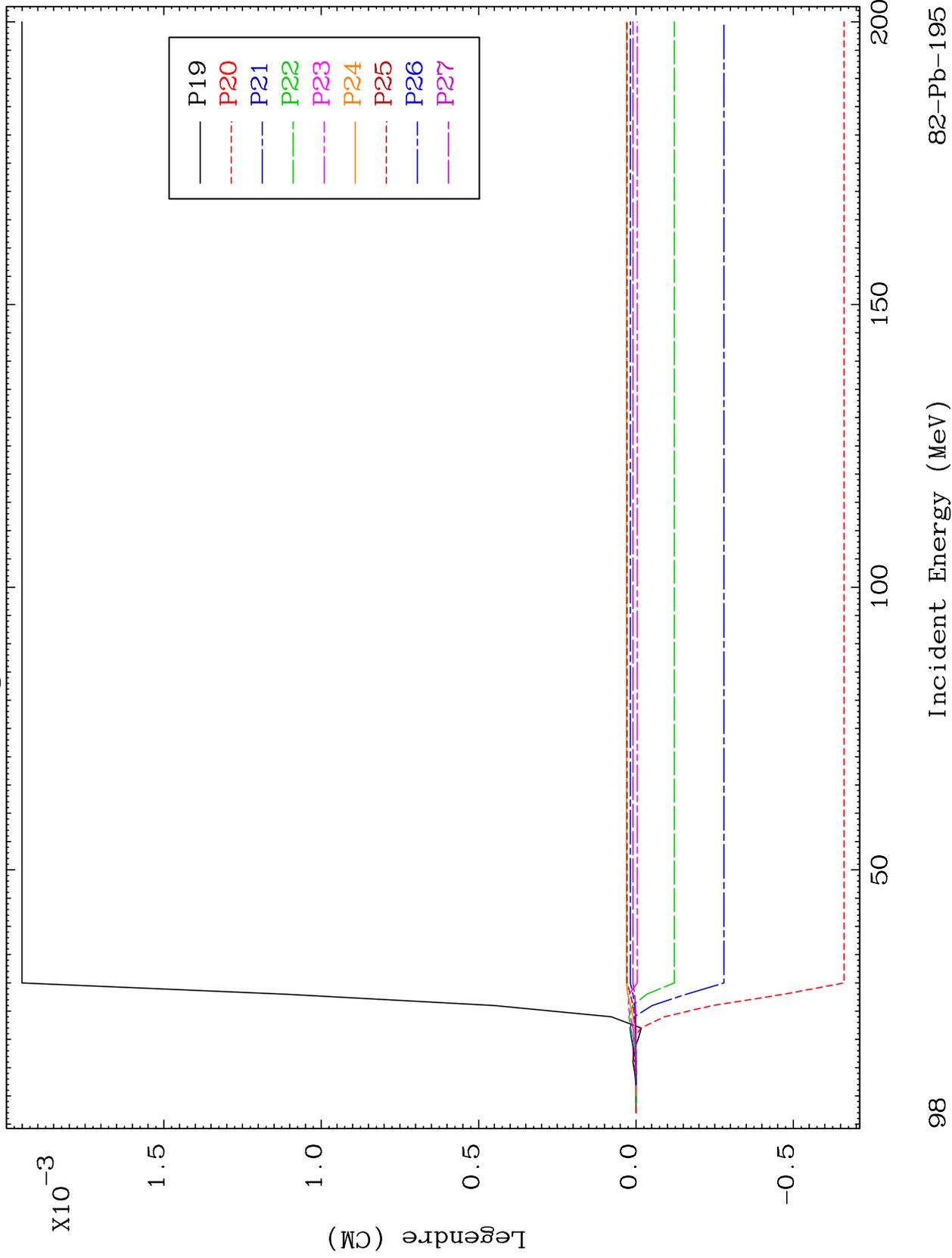
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

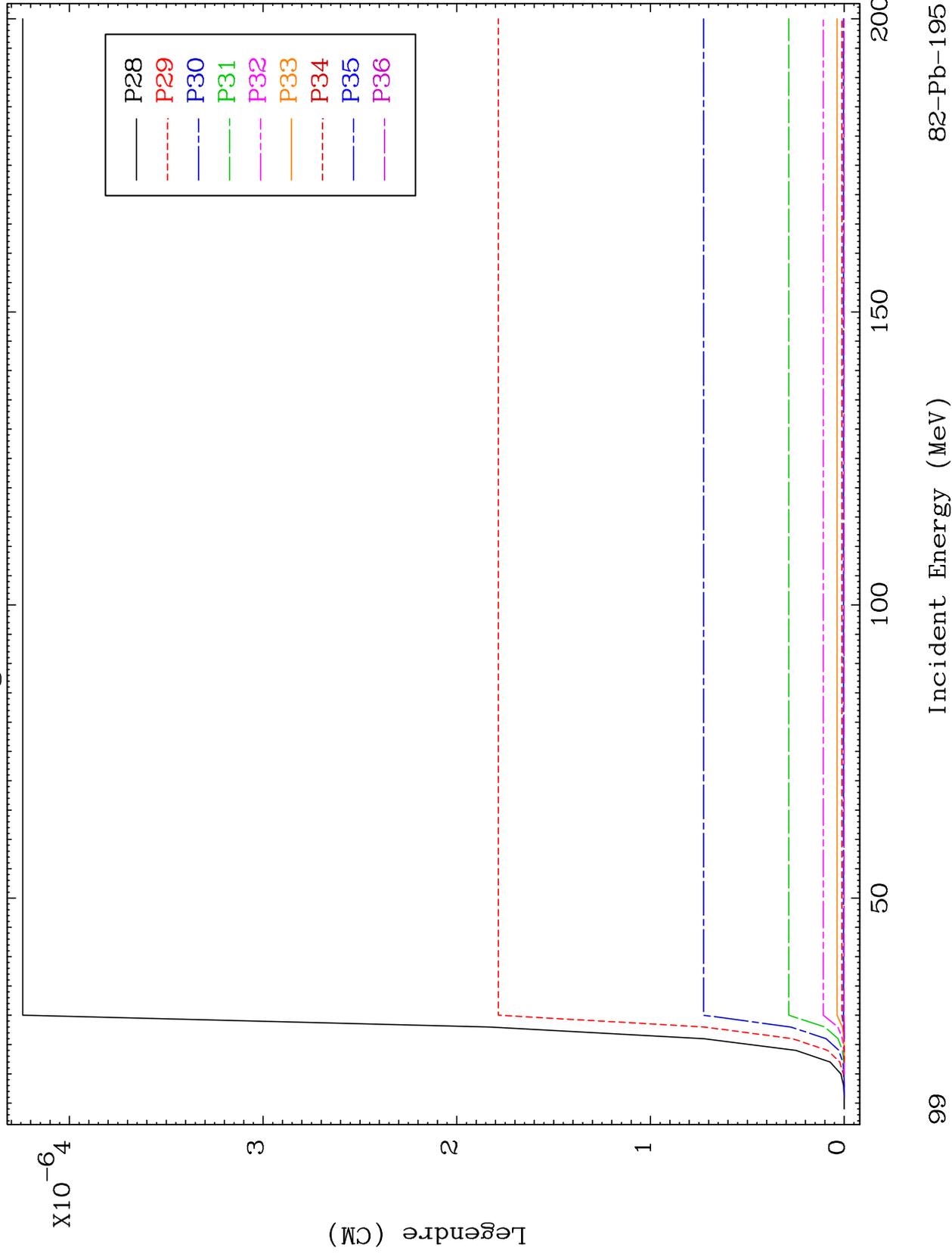
82-Pb-195



MAT 8198

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

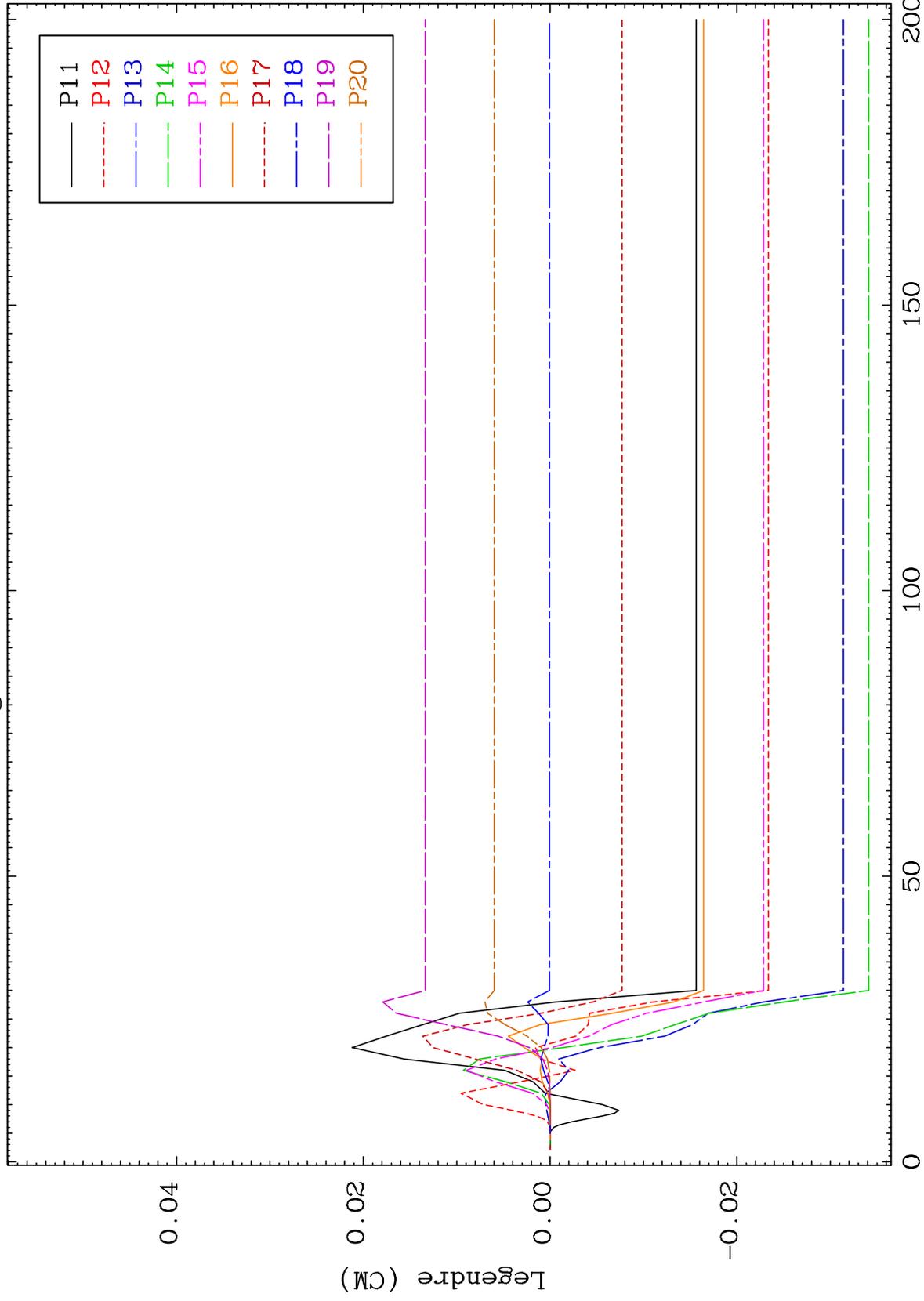
82-Pb-195



MAT 8198

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

82-Pb-195



101

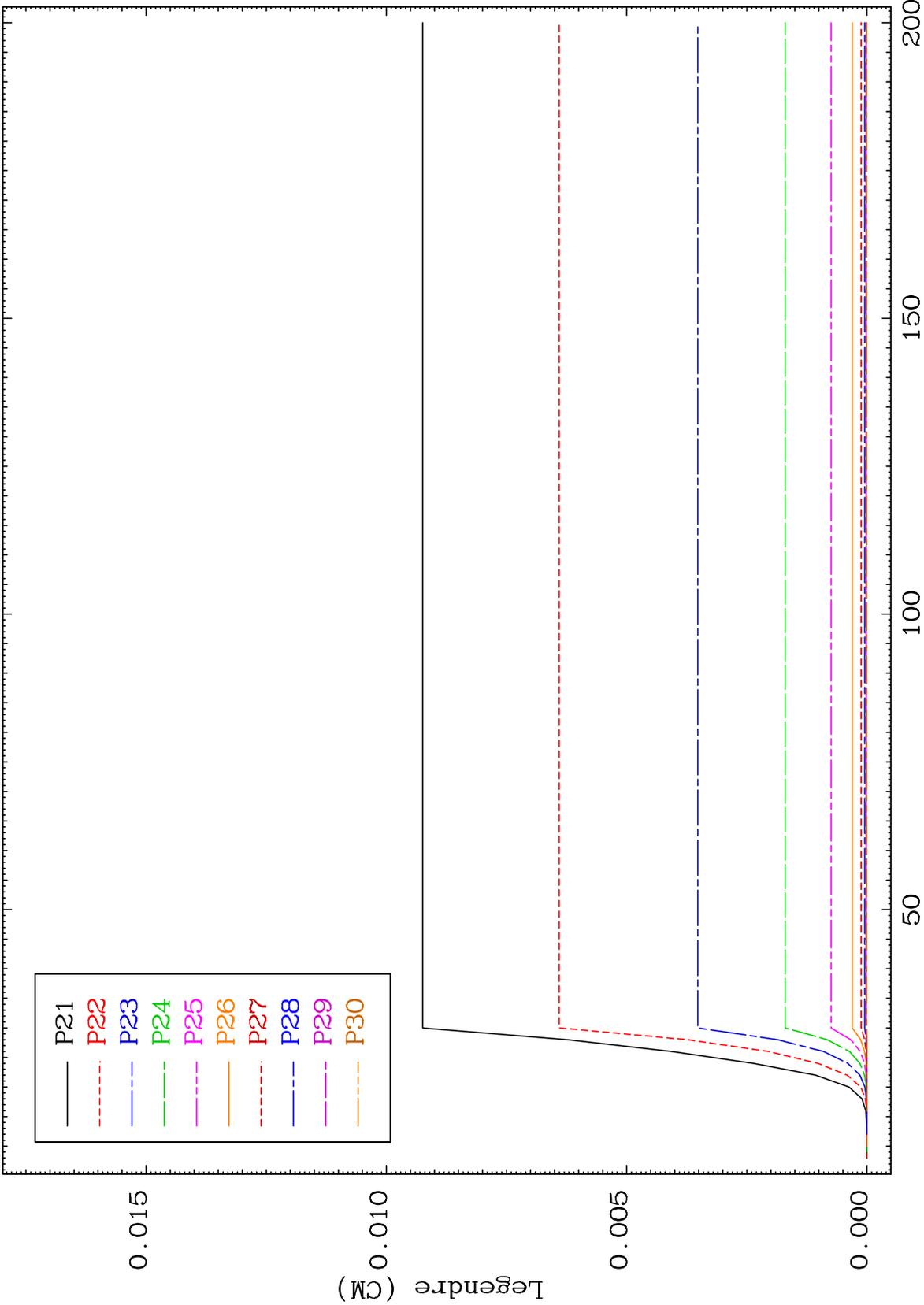
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

82-Pb-195



102

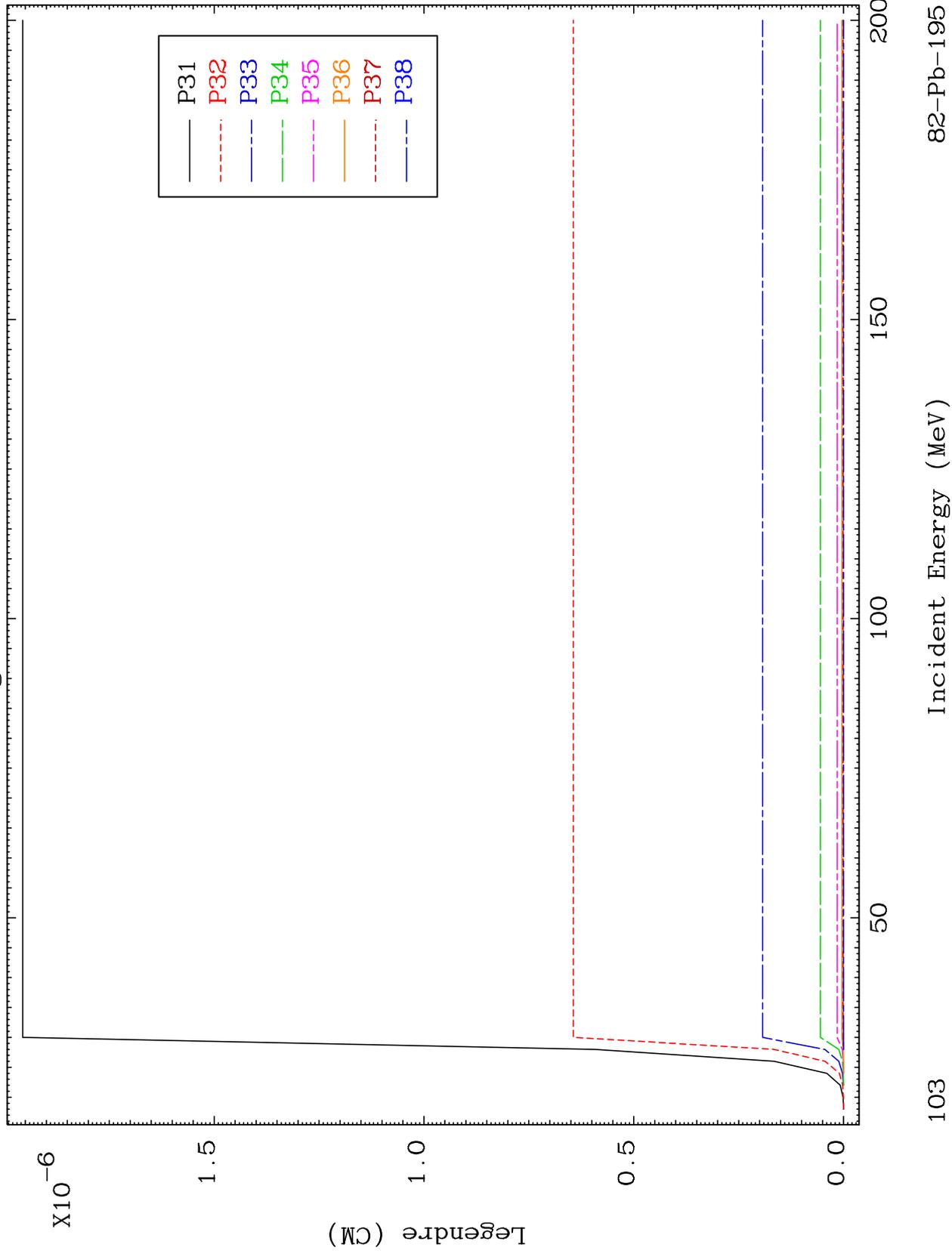
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

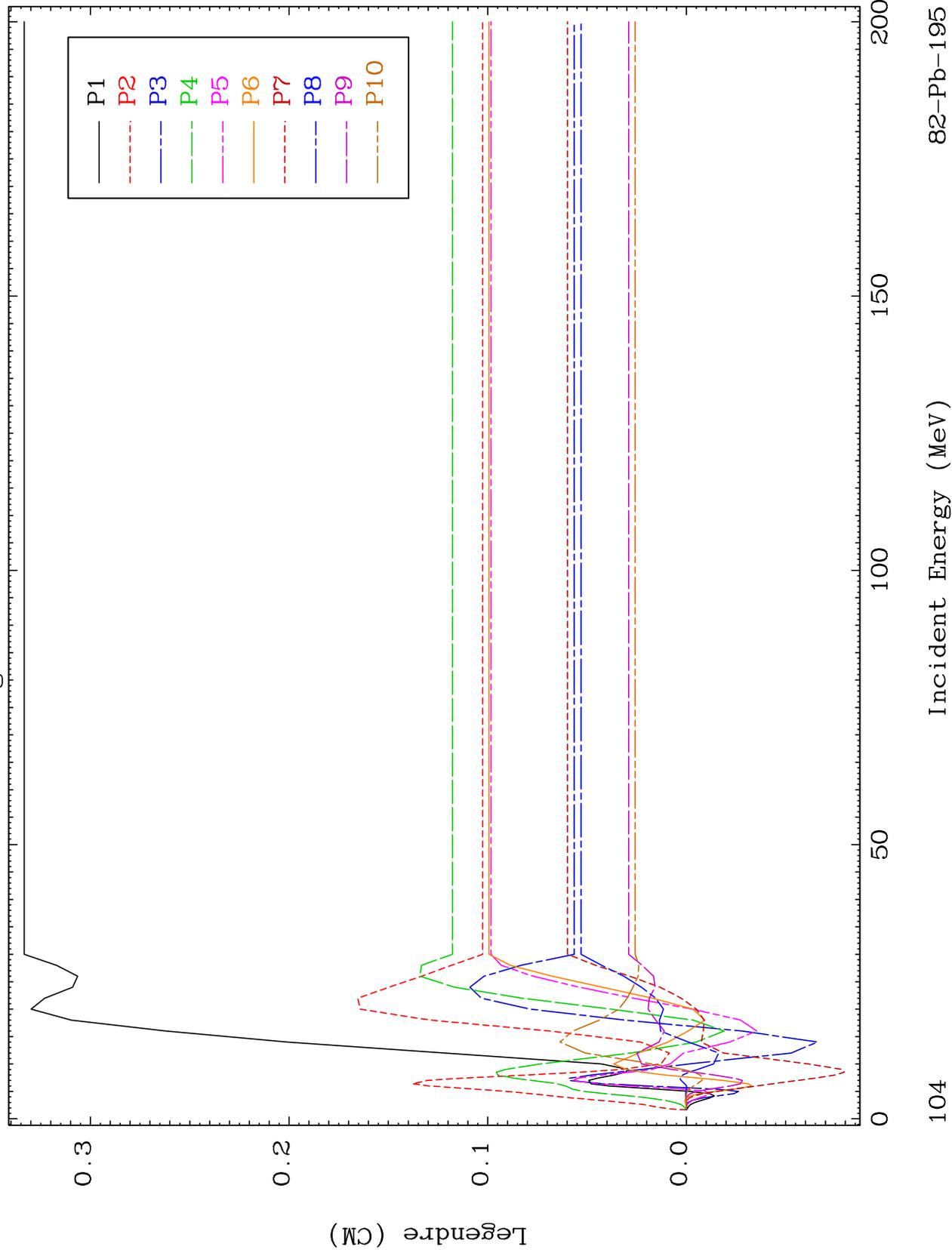
82-Pb-195



MAT 8198

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

82-Pb-195



82-Pb-195

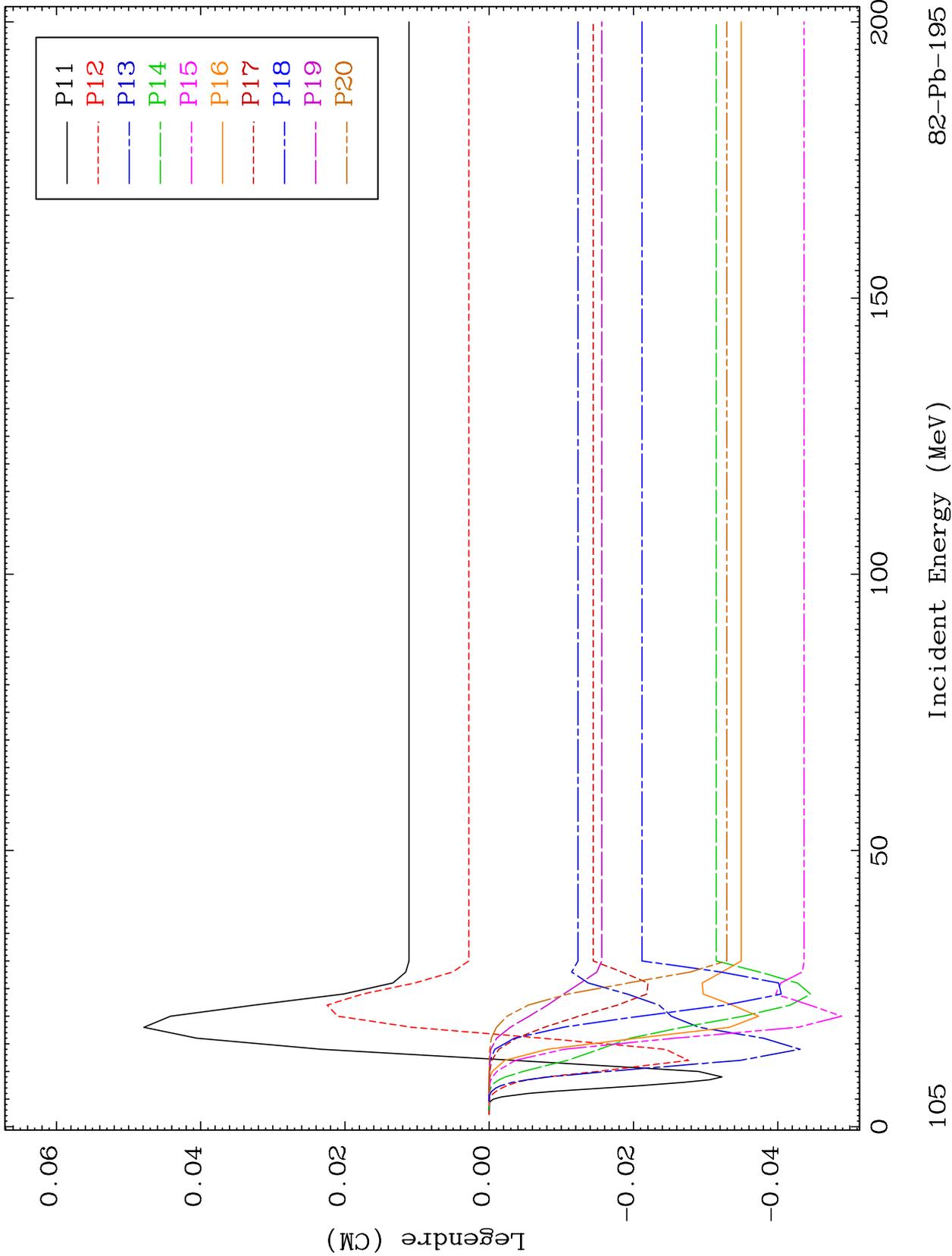
Incident Energy (MeV)

104

MAT 8198

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

82-Pb-195



82-Pb-195

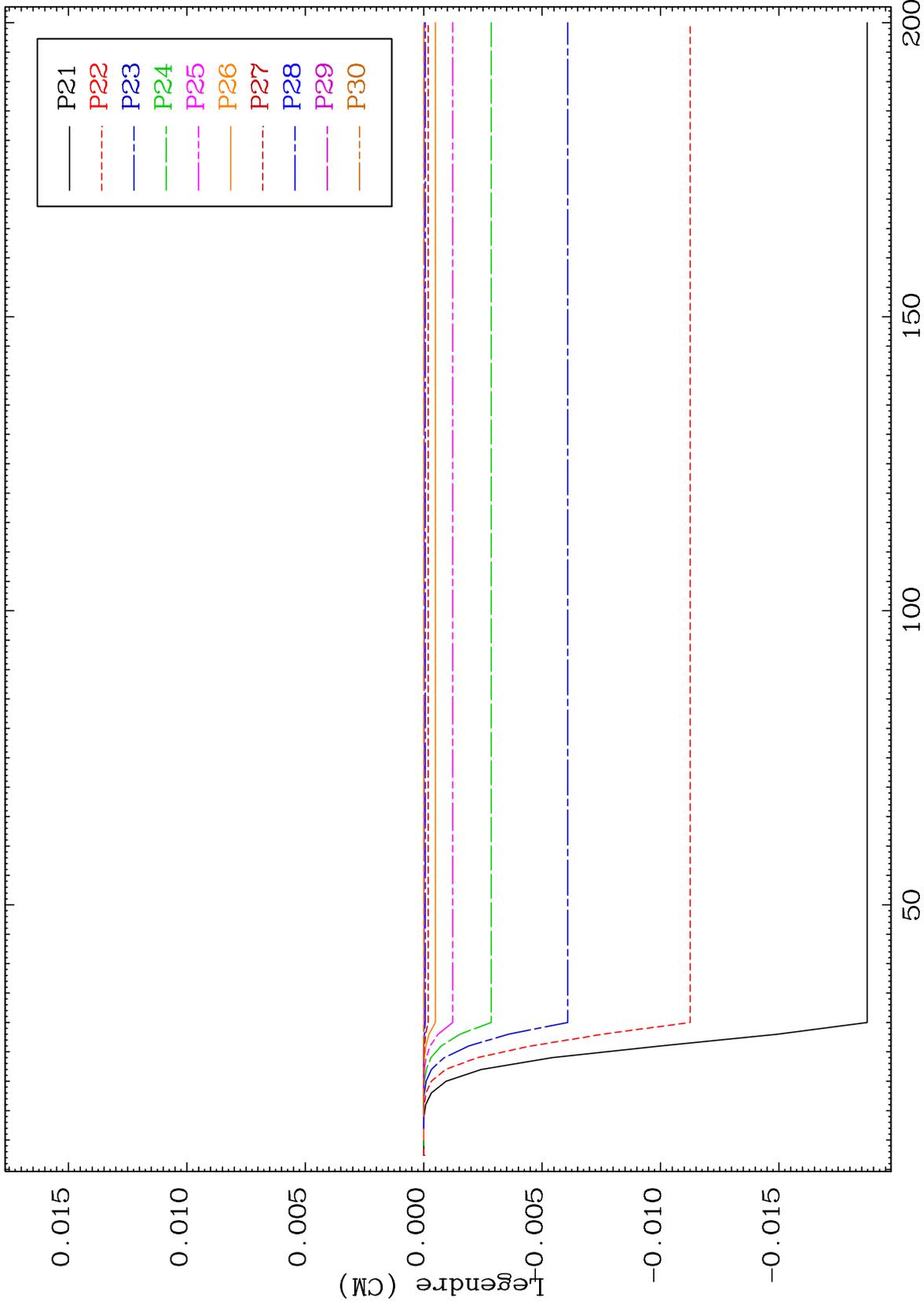
Incident Energy (MeV)

105

MAT 8198

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

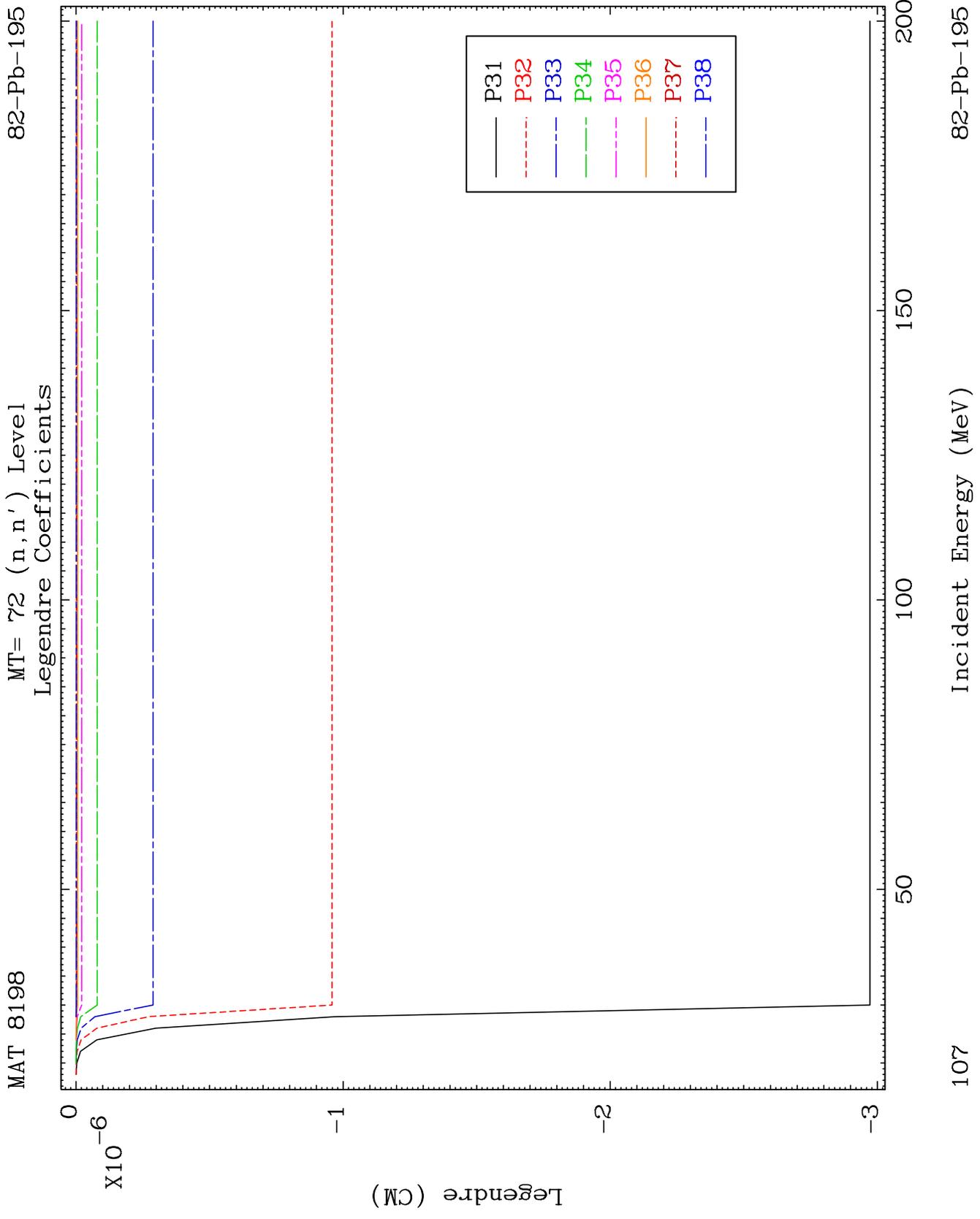
82-Pb-195



106

Incident Energy (MeV)

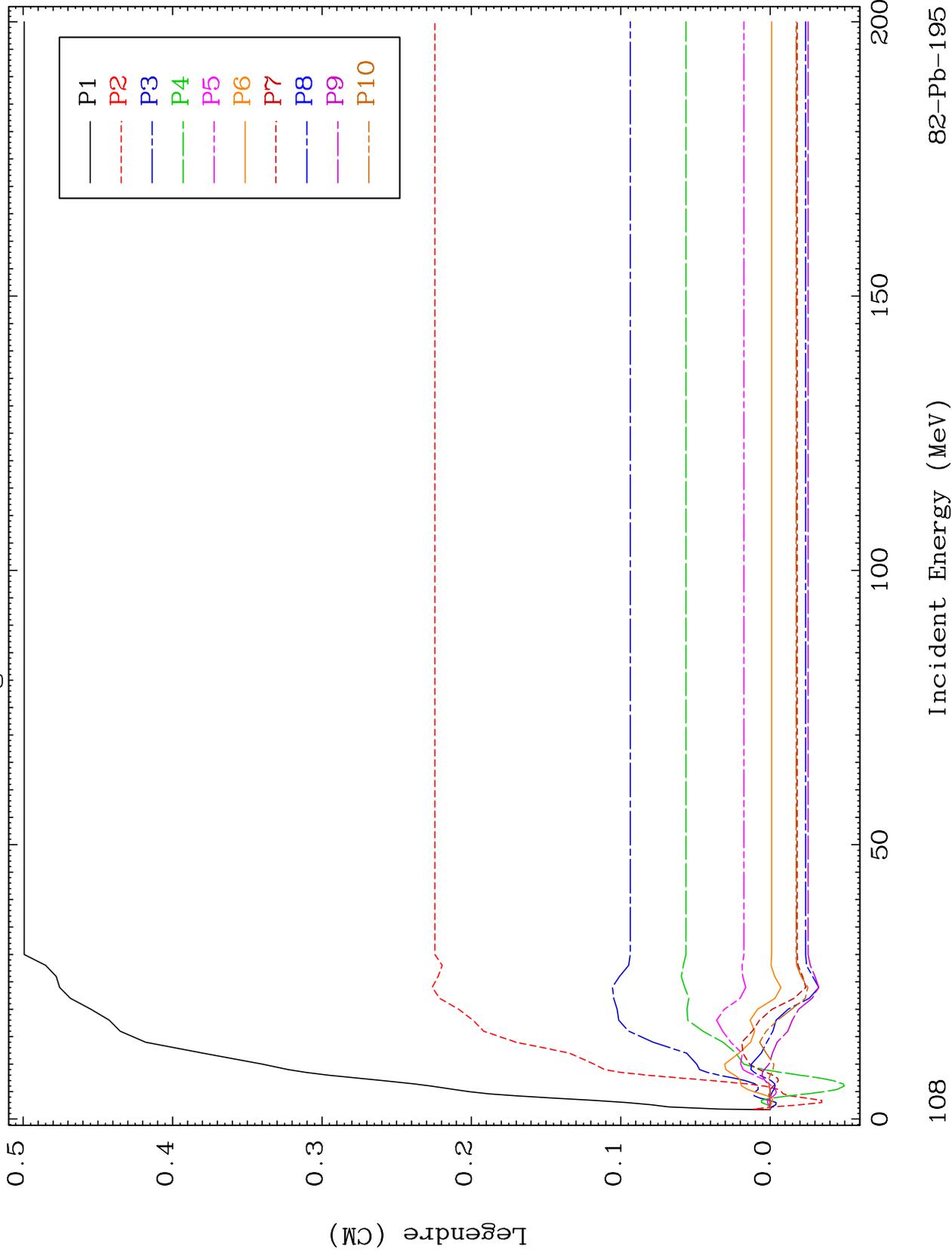
82-Pb-195



MAT 8198

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

82-Pb-195



82-Pb-195

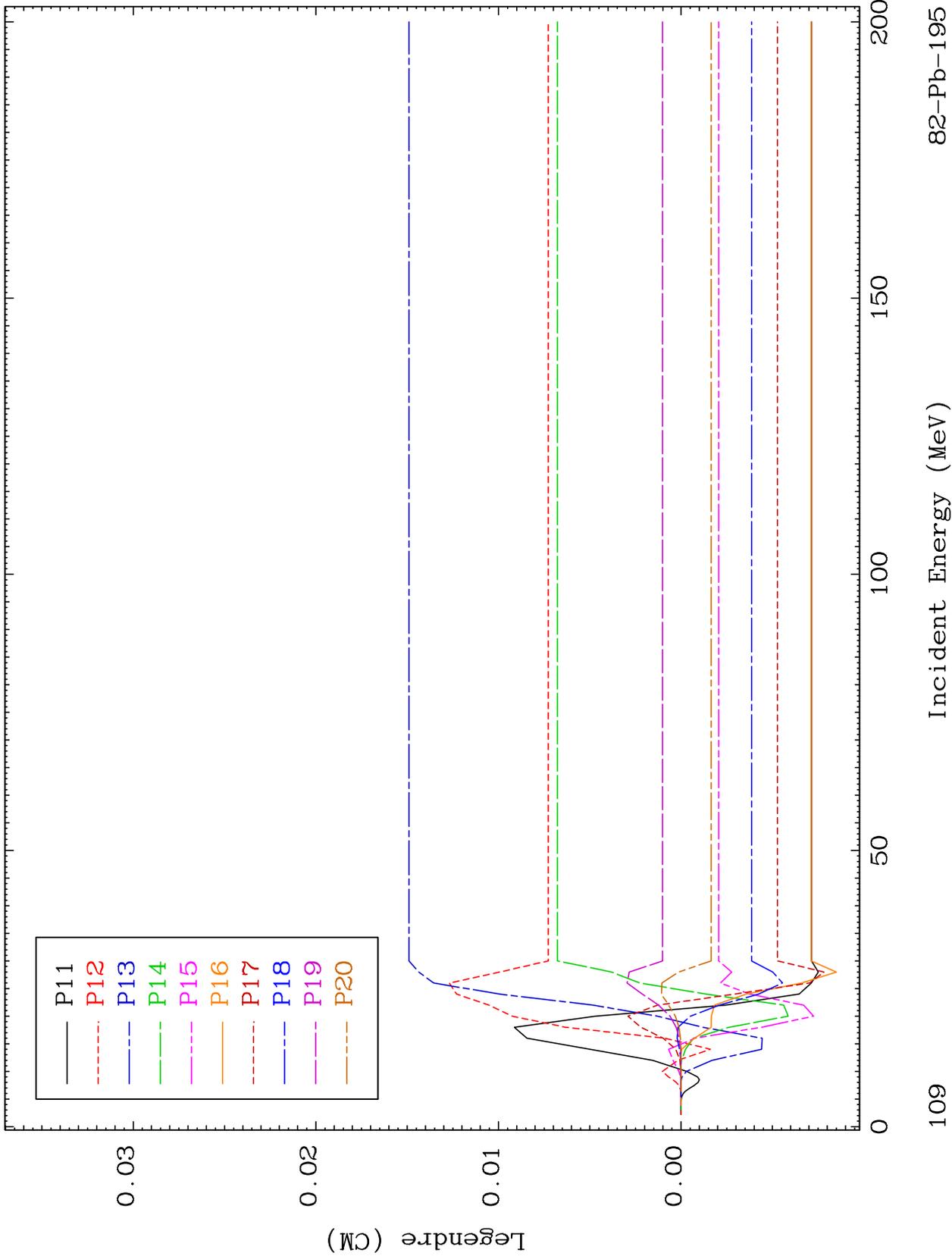
Incident Energy (MeV)

108

MAT 8198

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

82-Pb-195



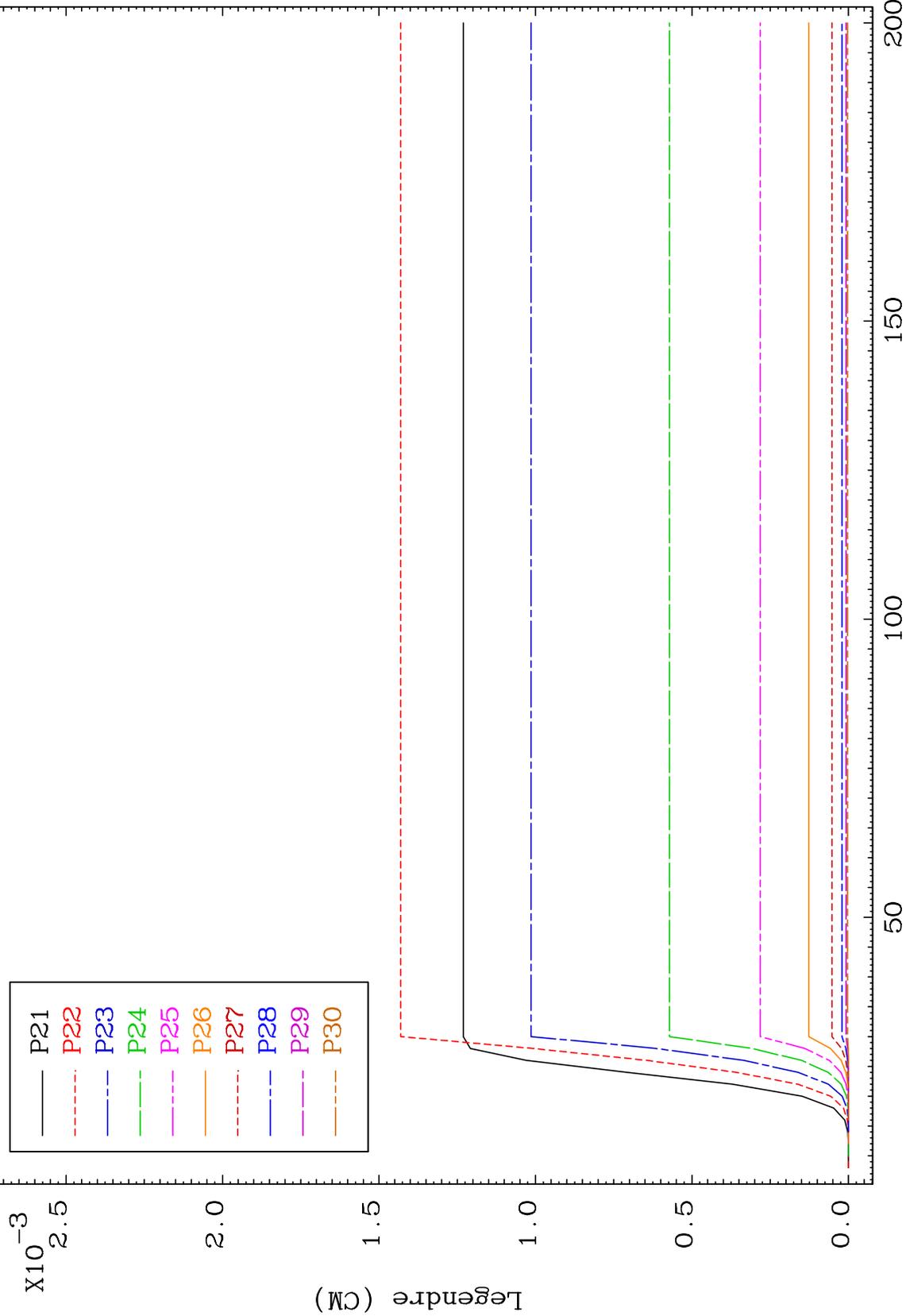
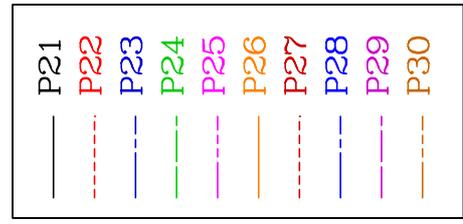
109

82-Pb-195

MAT 8198

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

82-Pb-195



110

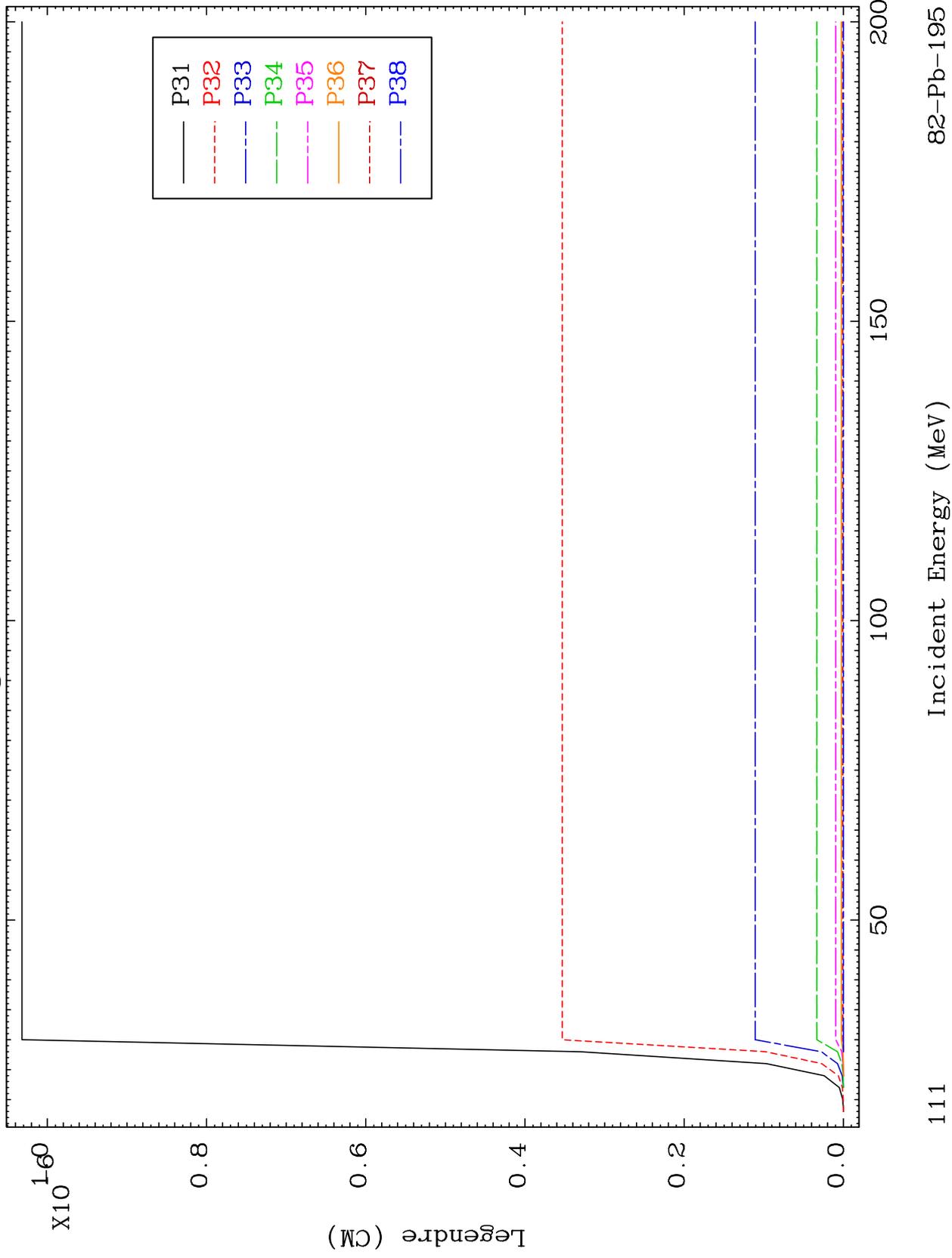
Incident Energy (MeV)

82-Pb-195

MAT 8198

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

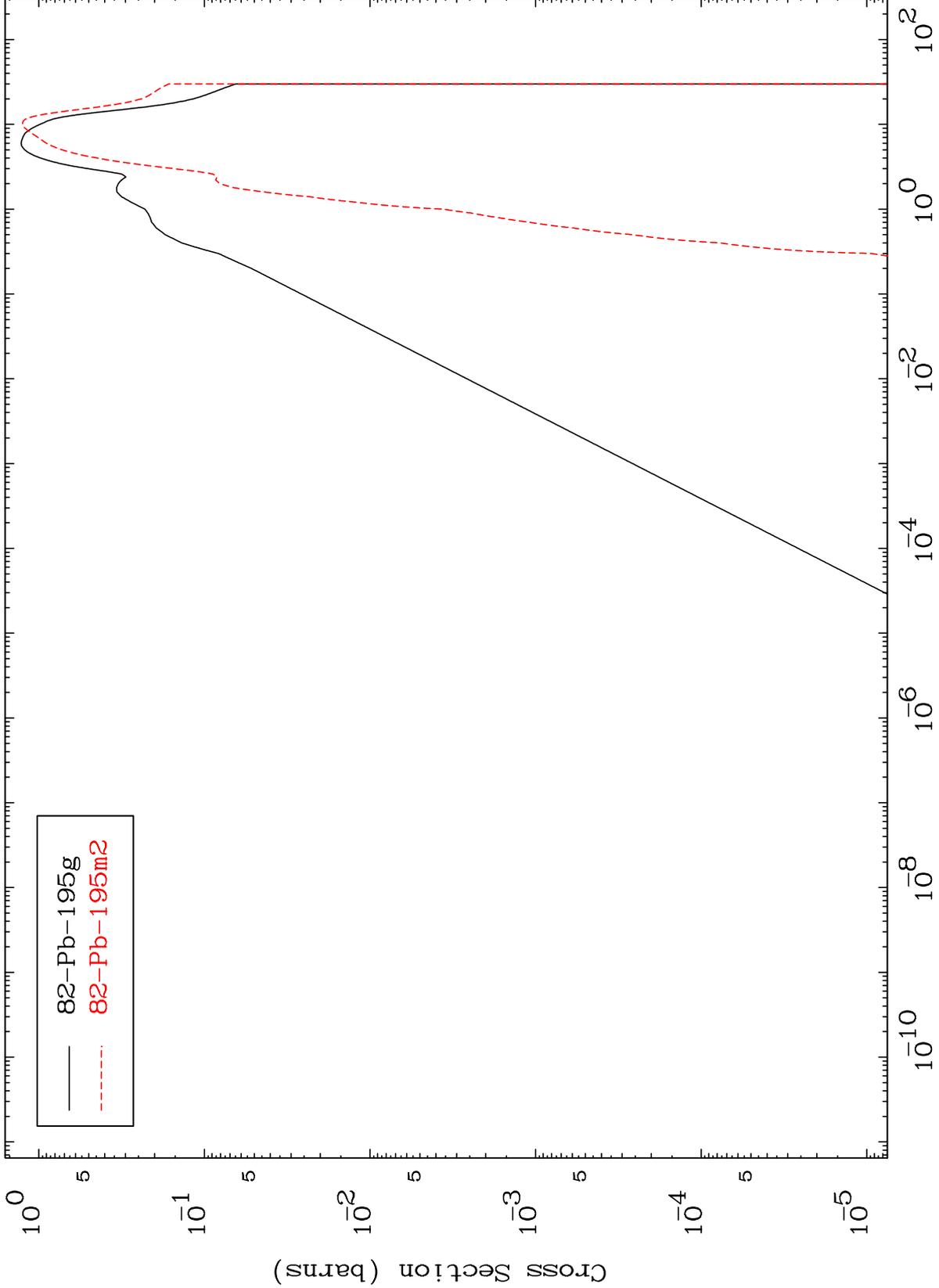
82-Pb-195



MAT 8198

Inelastic
Radionuclide Production Cross Section

82-Pb-195



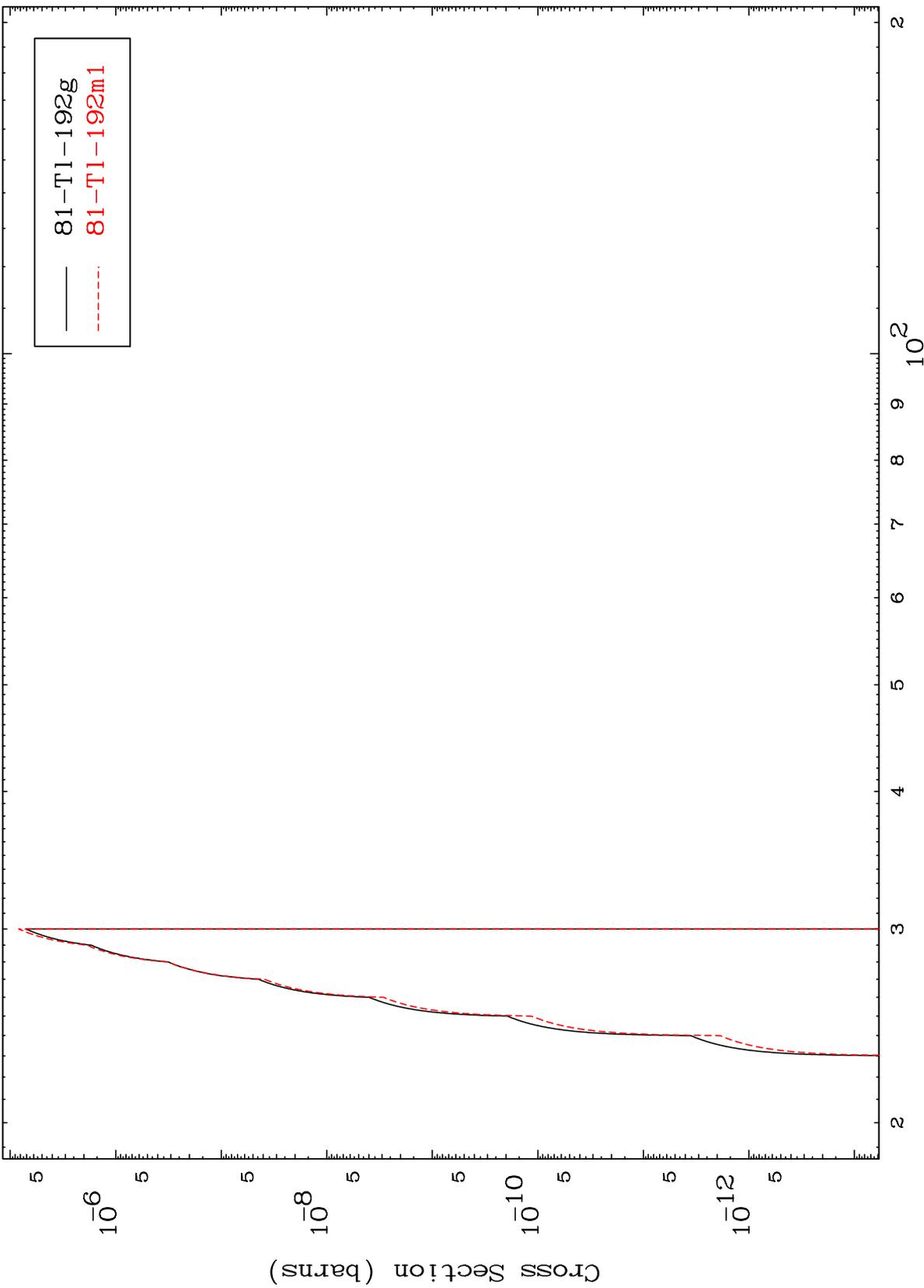
82-Pb-195

MAT 8198

(n,2n) d

82-Pb-195

Radionuclide Production Cross Section

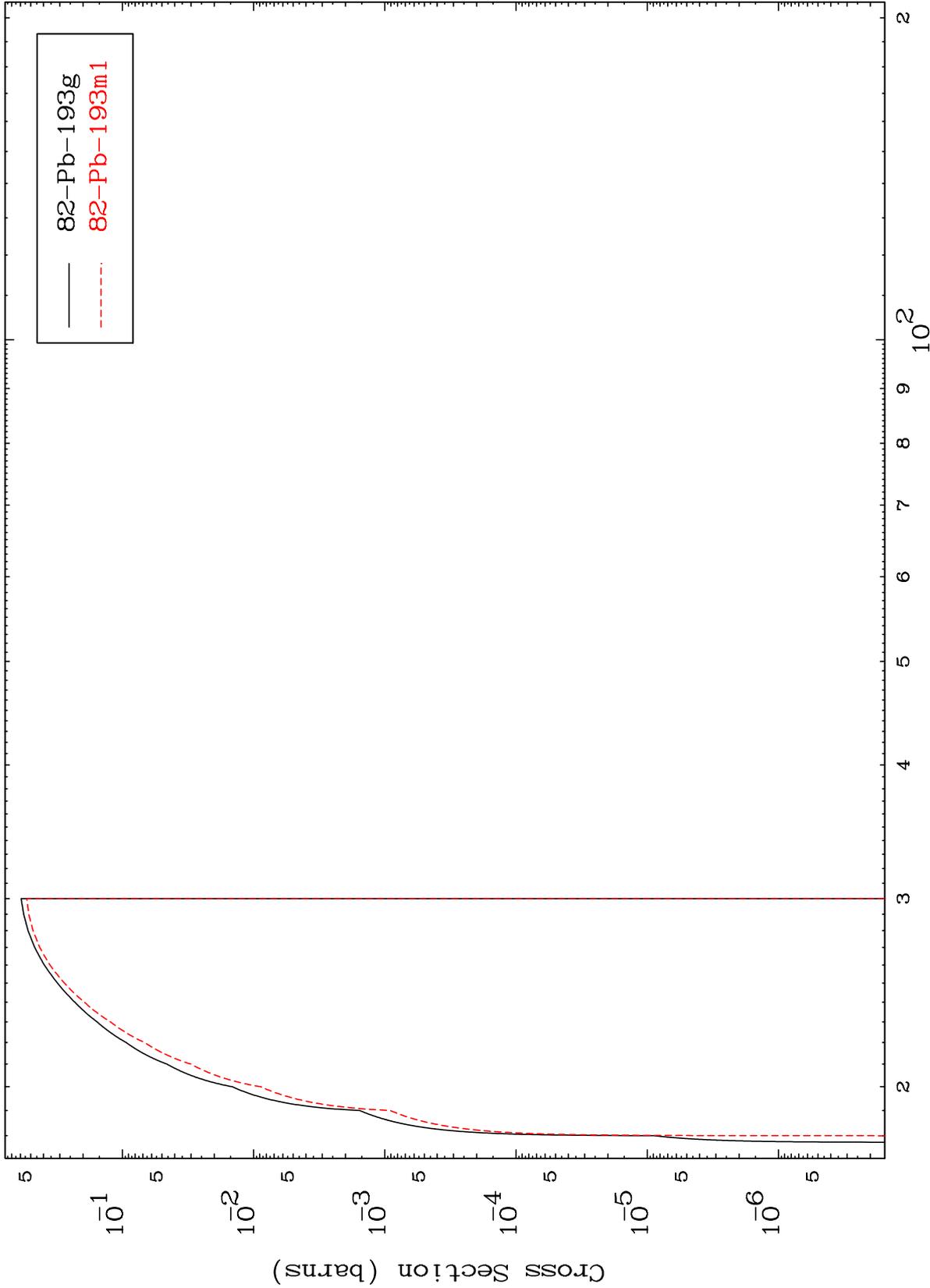


113

Incident Energy (MeV)

82-Pb-195

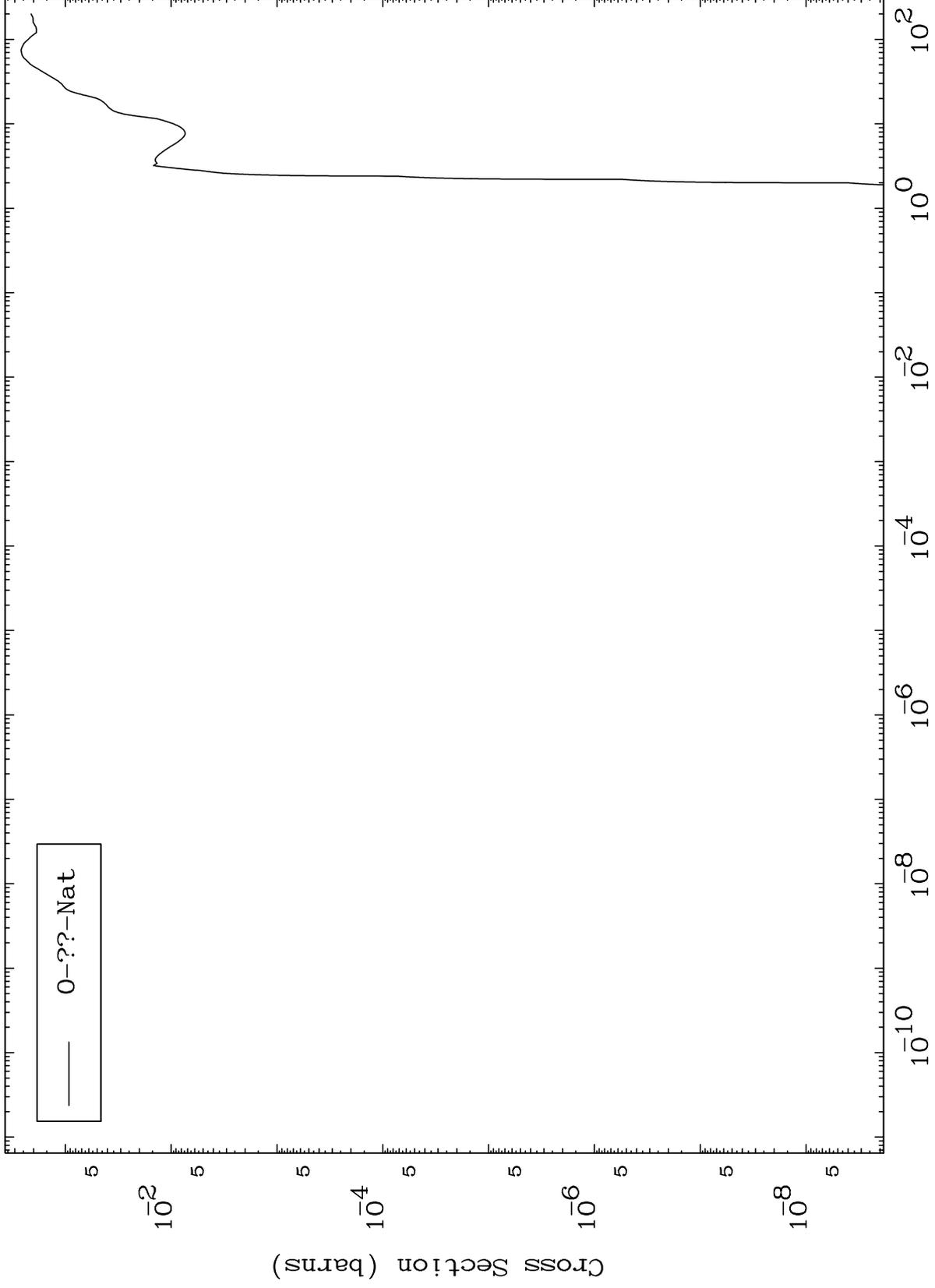
(n,3n)
Radionuclide Production Cross Section



MAT 8198

Fission
Radionuclide Production Cross Section

82-Pb-195



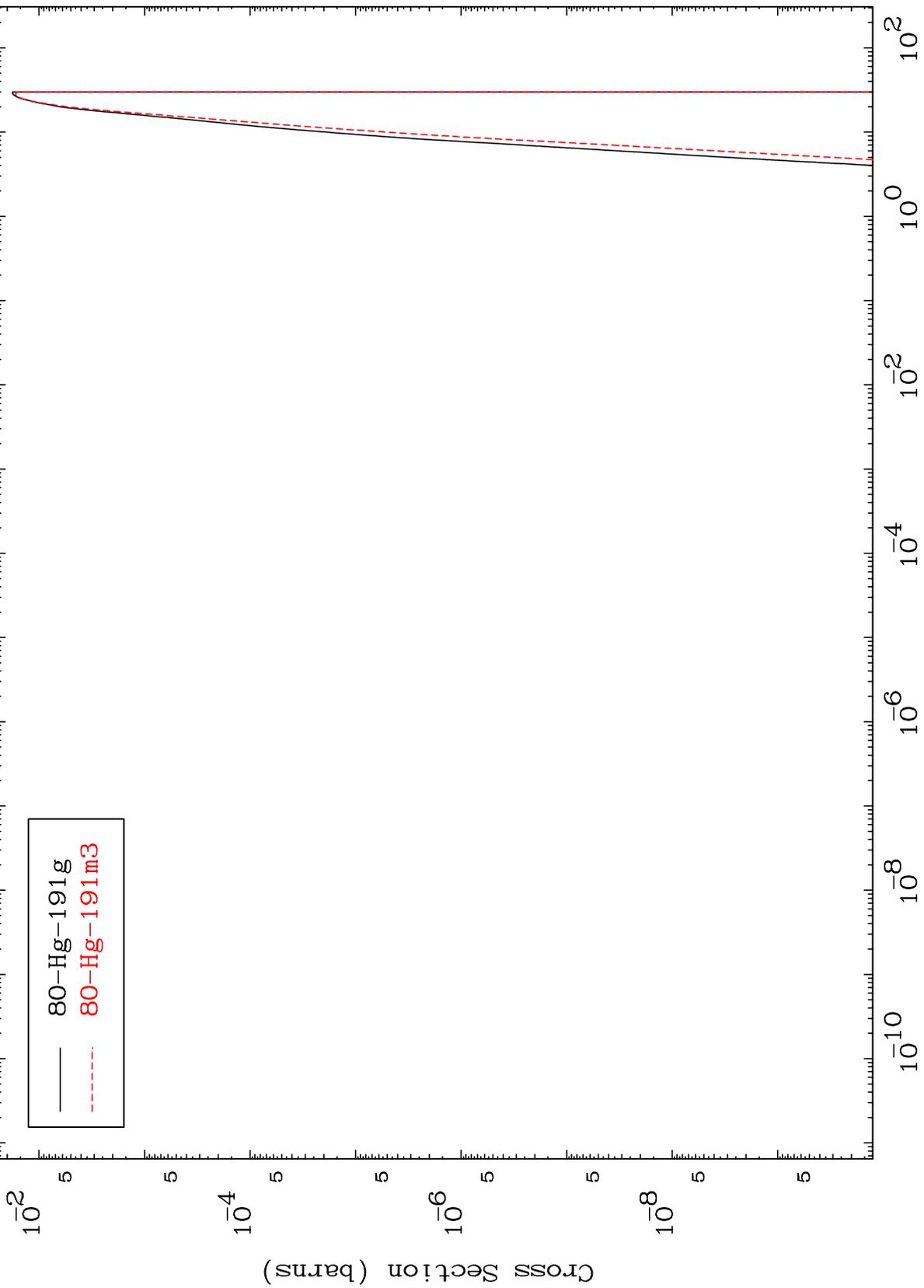
82-Pb-195

MAT 8198

$(n, n') \alpha$

82-Pb-195

Radionuclide Production Cross Section

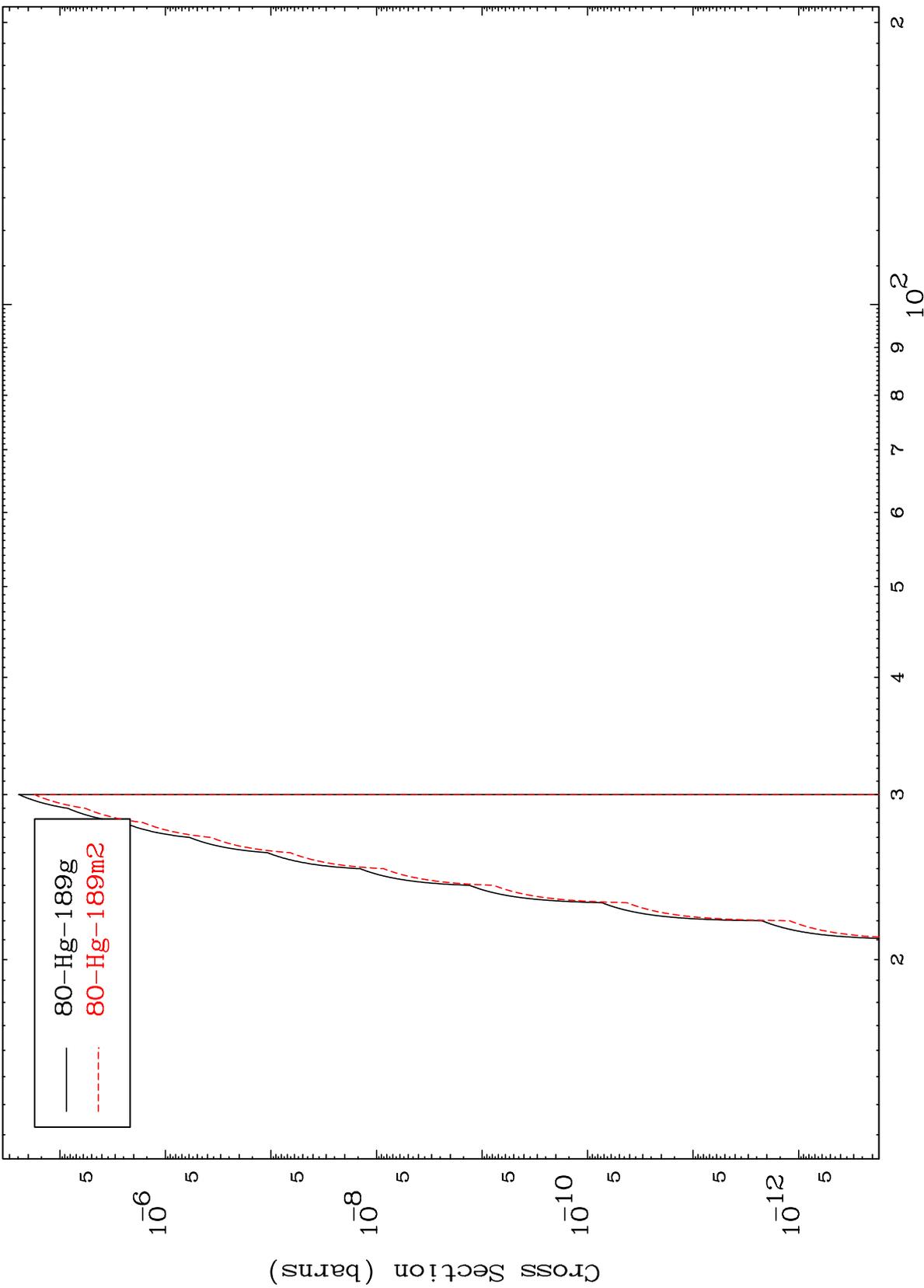


MAT 8198

(n,3n) α

82-Pb-195

Radionuclide Production Cross Section



117

Incident Energy (MeV)

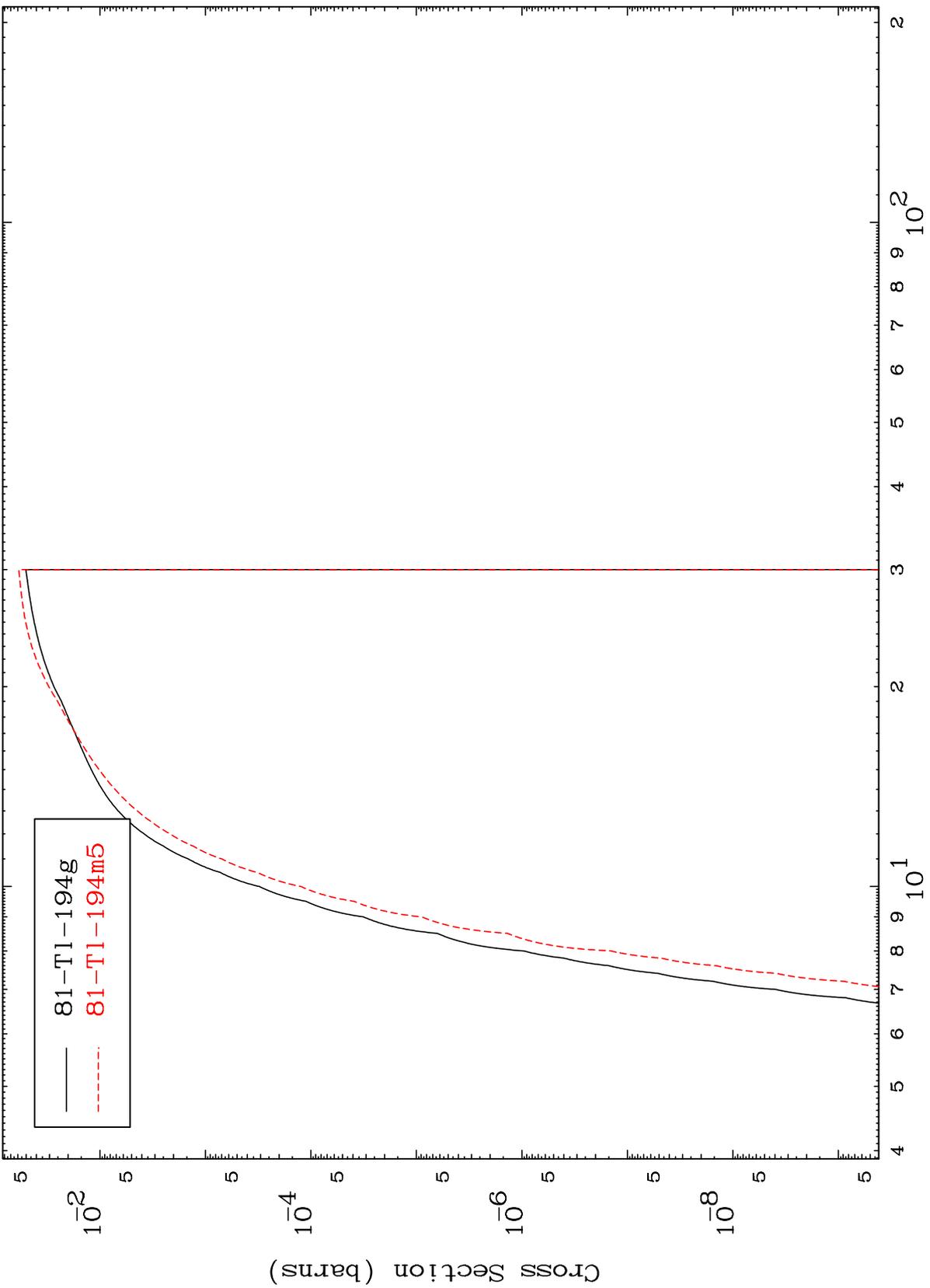
82-Pb-195

MAT 8198

(n,n') p

82-Pb-195

Radionuclide Production Cross Section



118

Incident Energy (MeV)

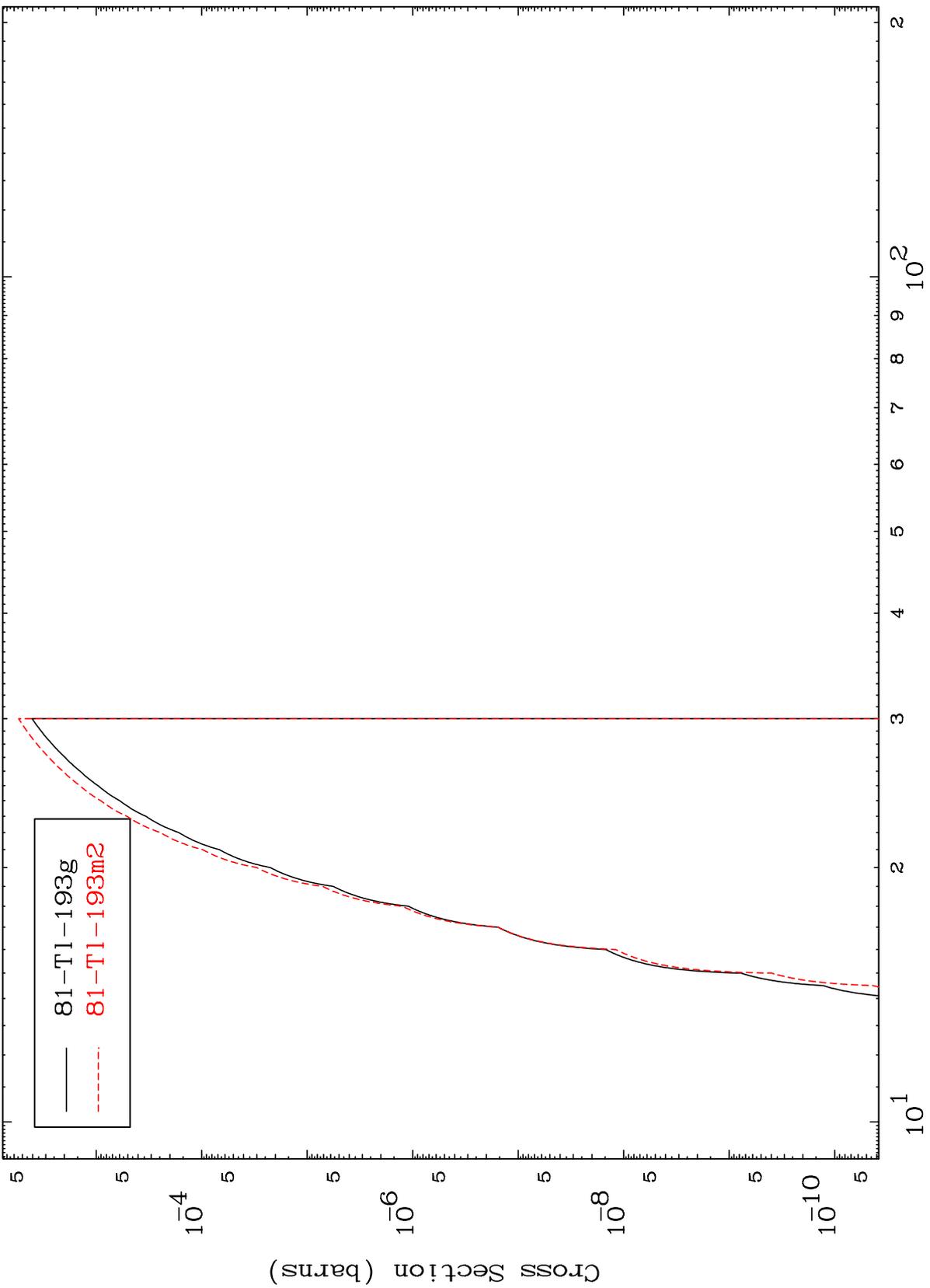
82-Pb-195

MAT 8198

(n,n') d

82-Pb-195

Radionuclide Production Cross Section



81-Tl-193g
81-Tl-193m2

119

Incident Energy (MeV)

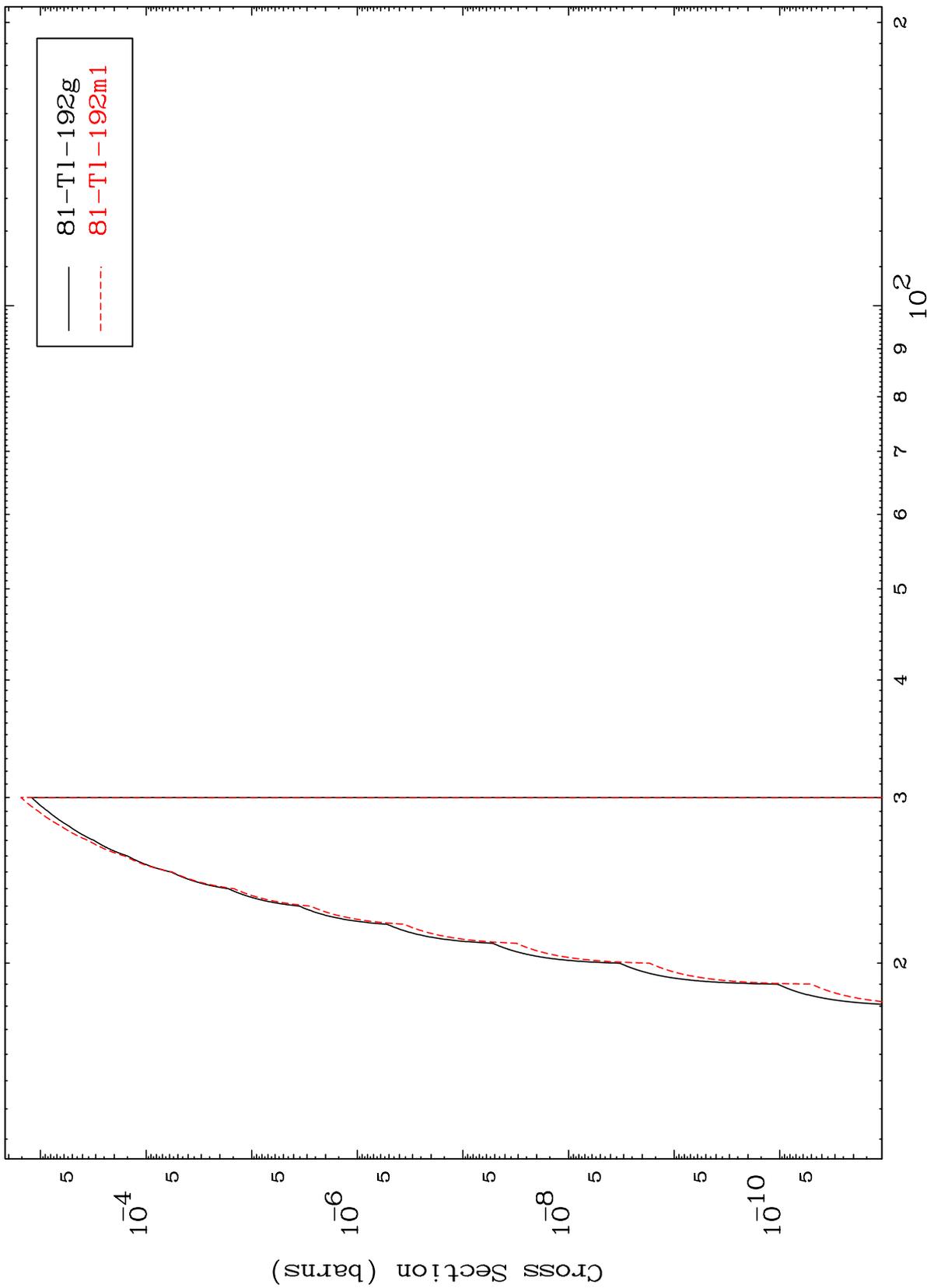
82-Pb-195

MAT 8198

(n,n') t

82-Pb-195

Radionuclide Production Cross Section



120

Incident Energy (MeV)

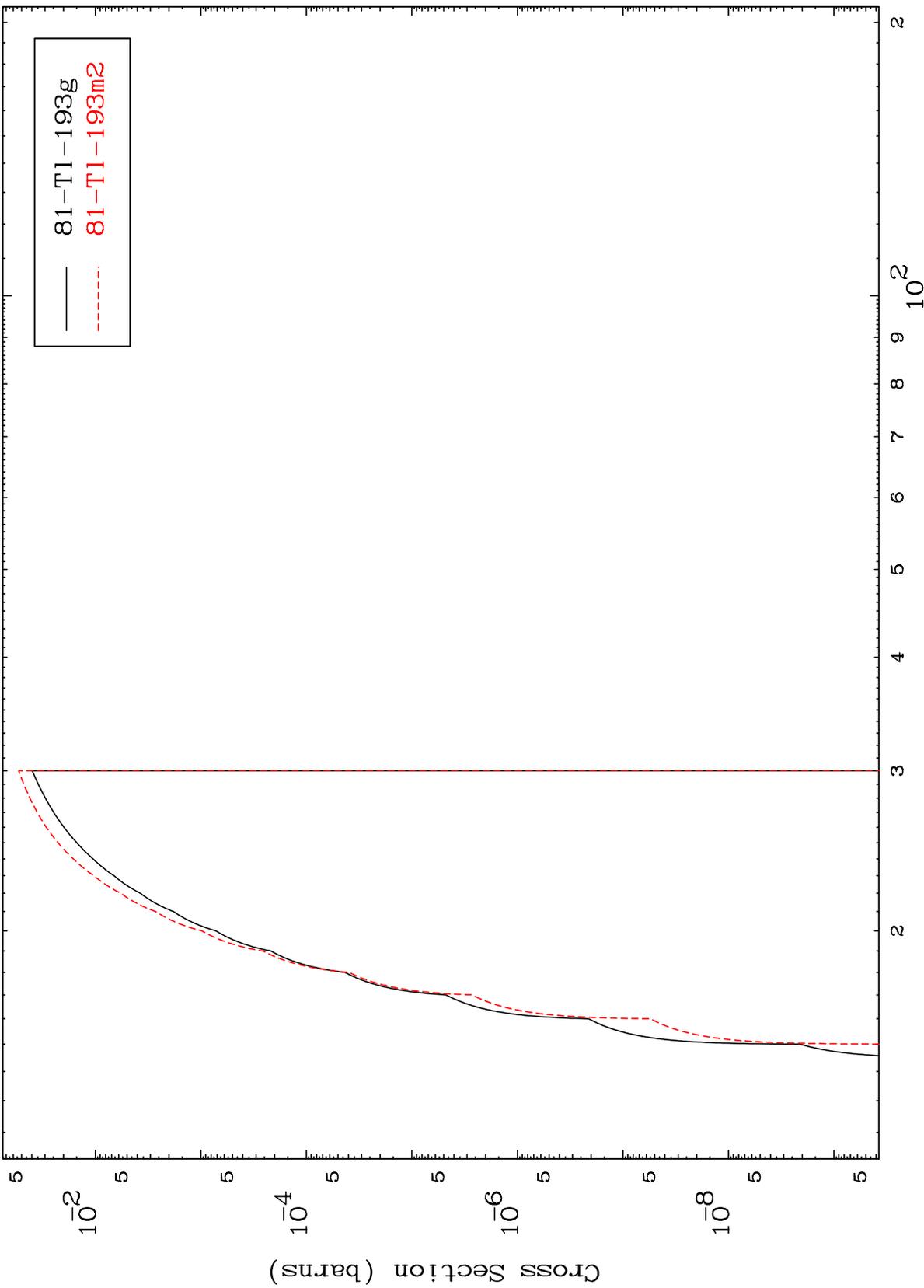
82-Pb-195

MAT 8198

(n,2n) p

82-Pb-195

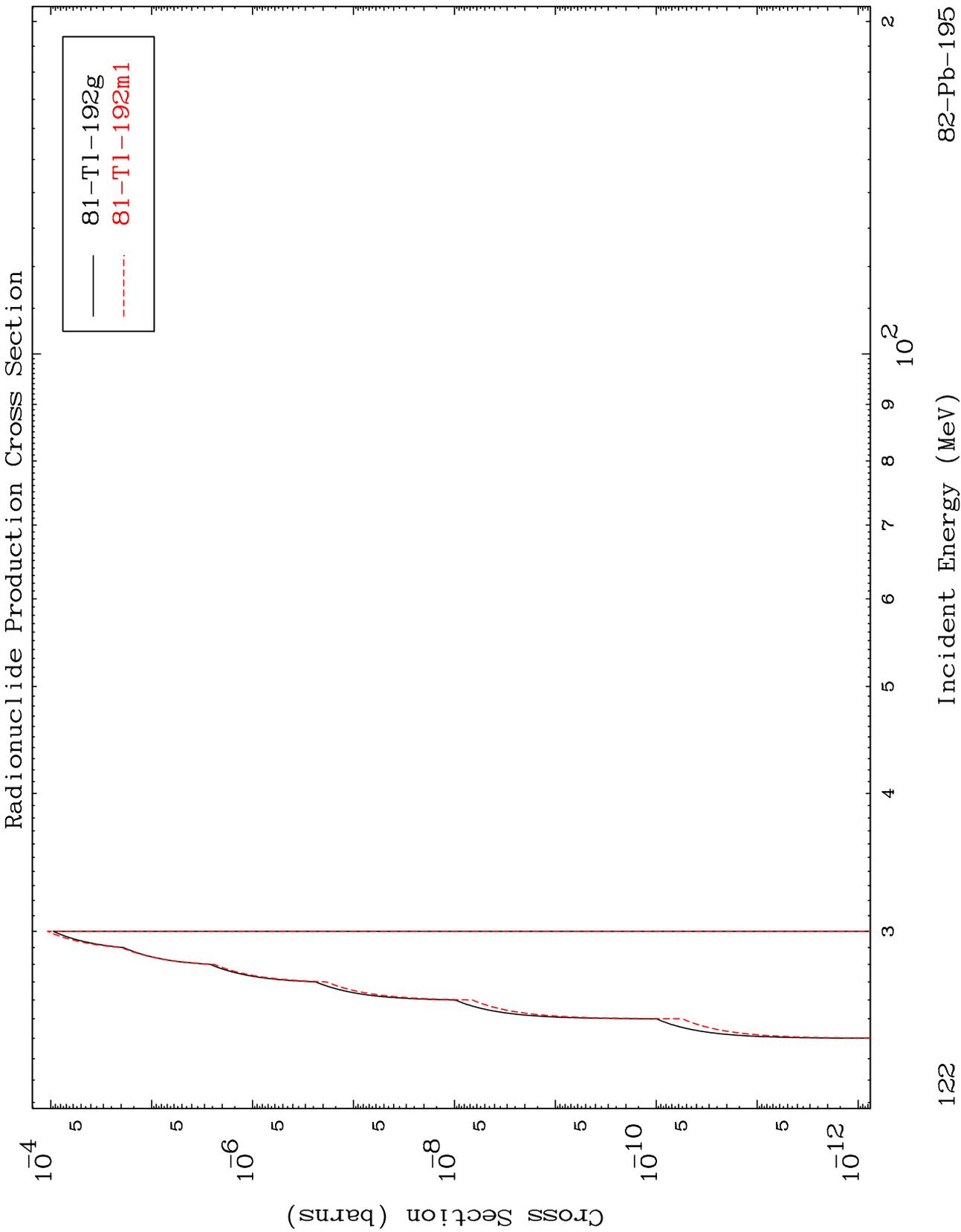
Radionuclide Production Cross Section



121

Incident Energy (MeV)

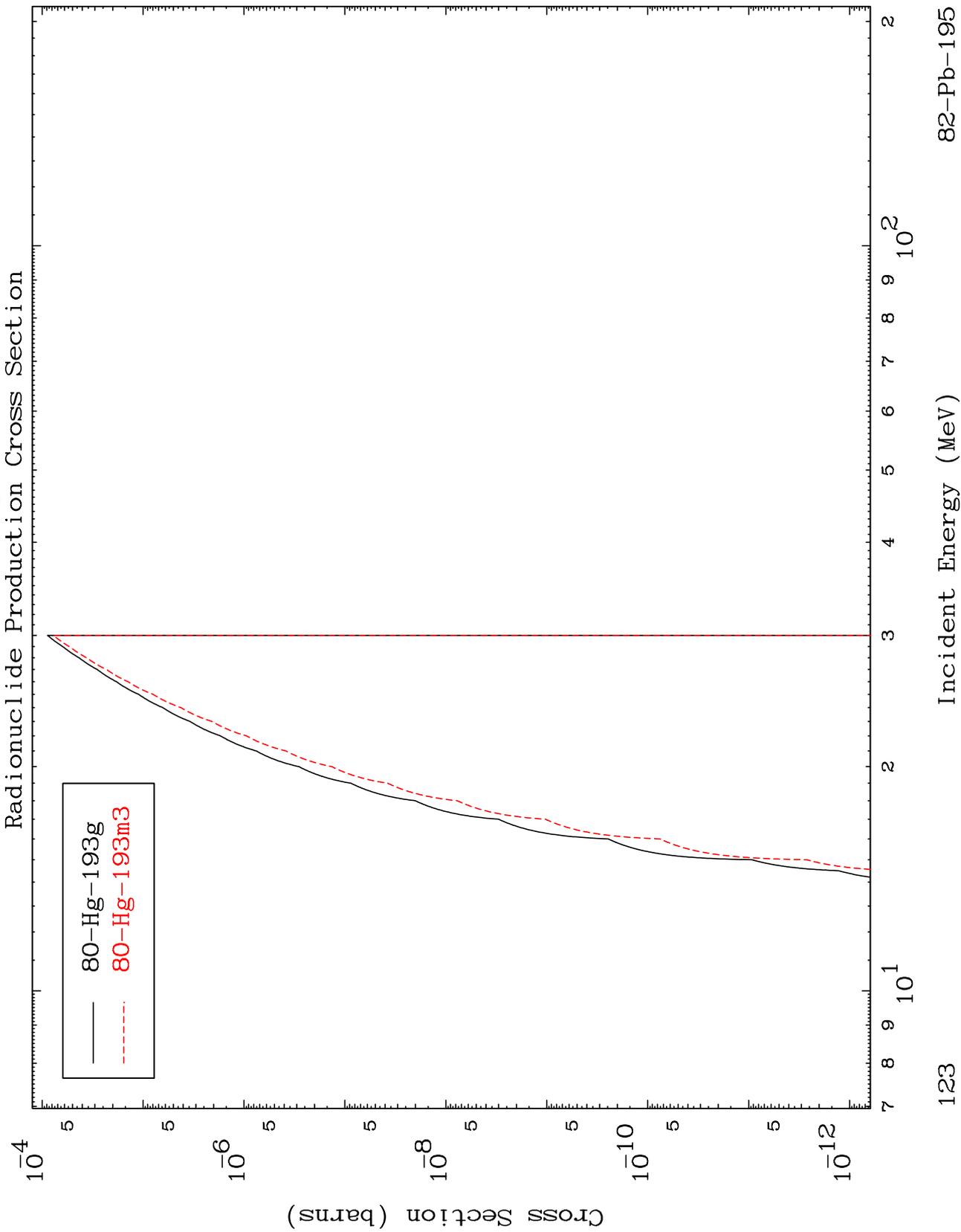
82-Pb-195



MAT 8198

(n,2n) p

82-Pb-195



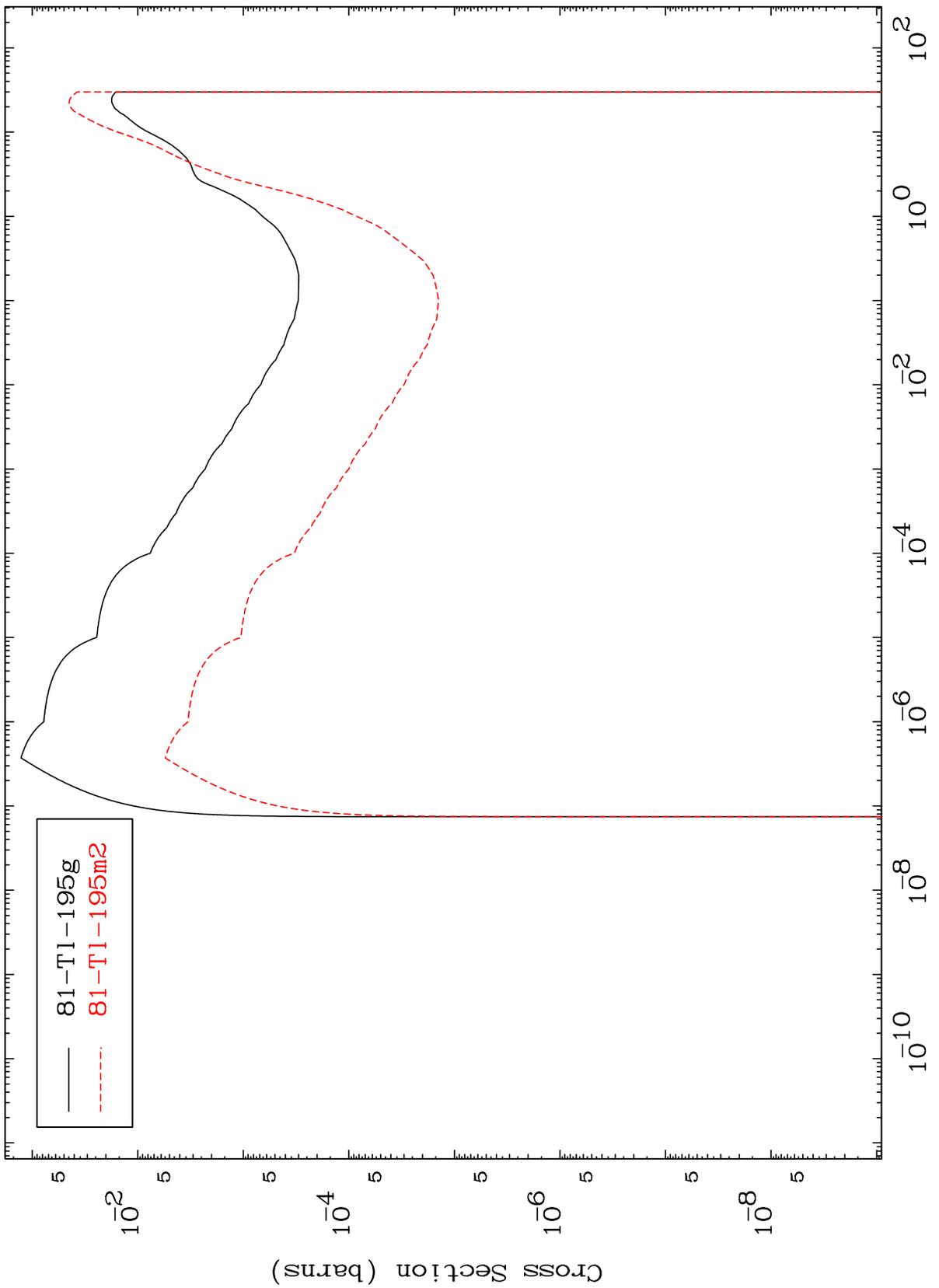
123

82-Pb-195

MAT 8198

82-Pb-195

(n,p)
Radionuclide Production Cross Section



— 81-Tl-195g
- - - 81-Tl-195m2

124

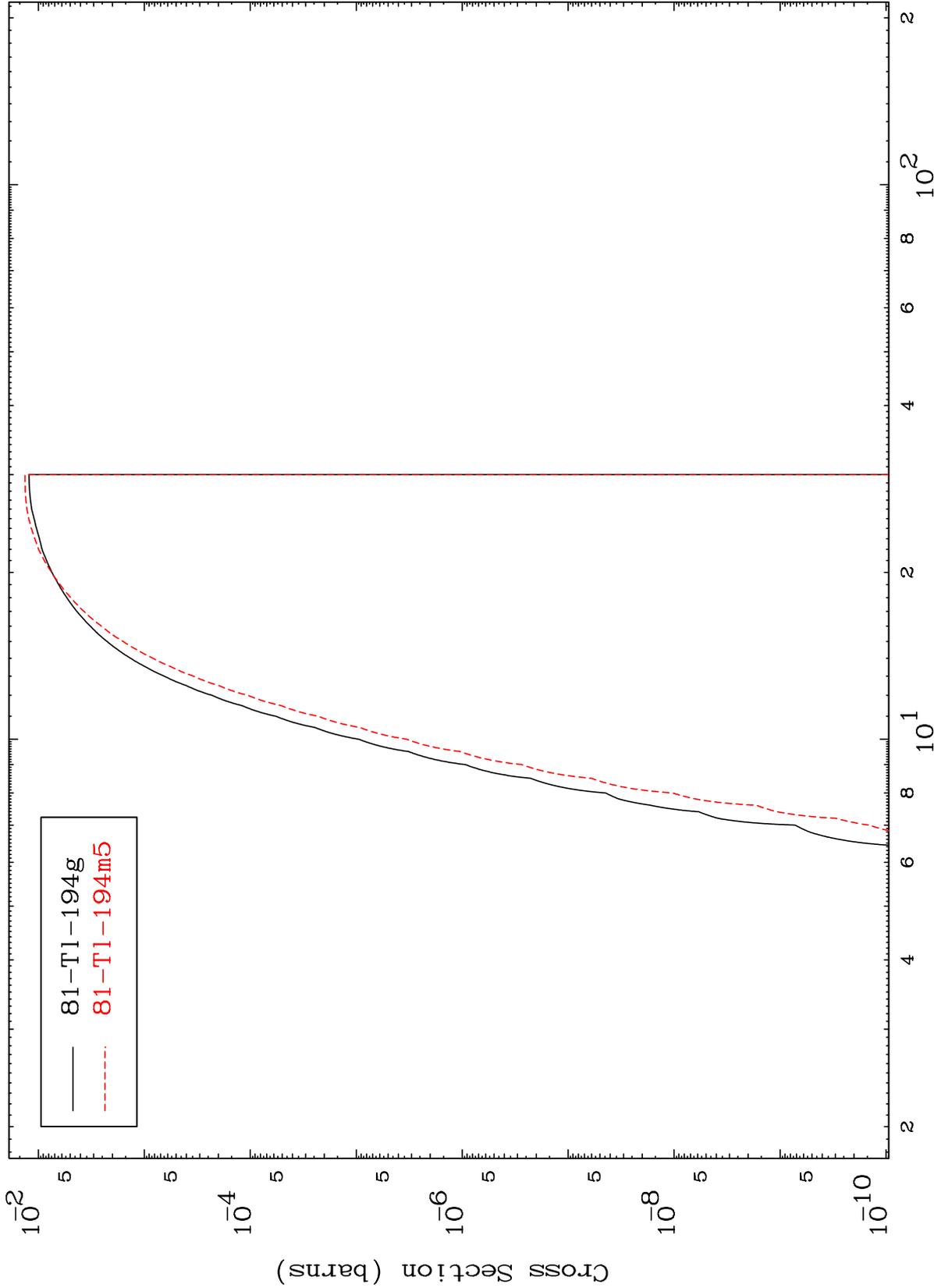
82-Pb-195

Incident Energy (MeV)

MAT 8198

82-Pb-195

(n,d)
Radionuclide Production Cross Section



125

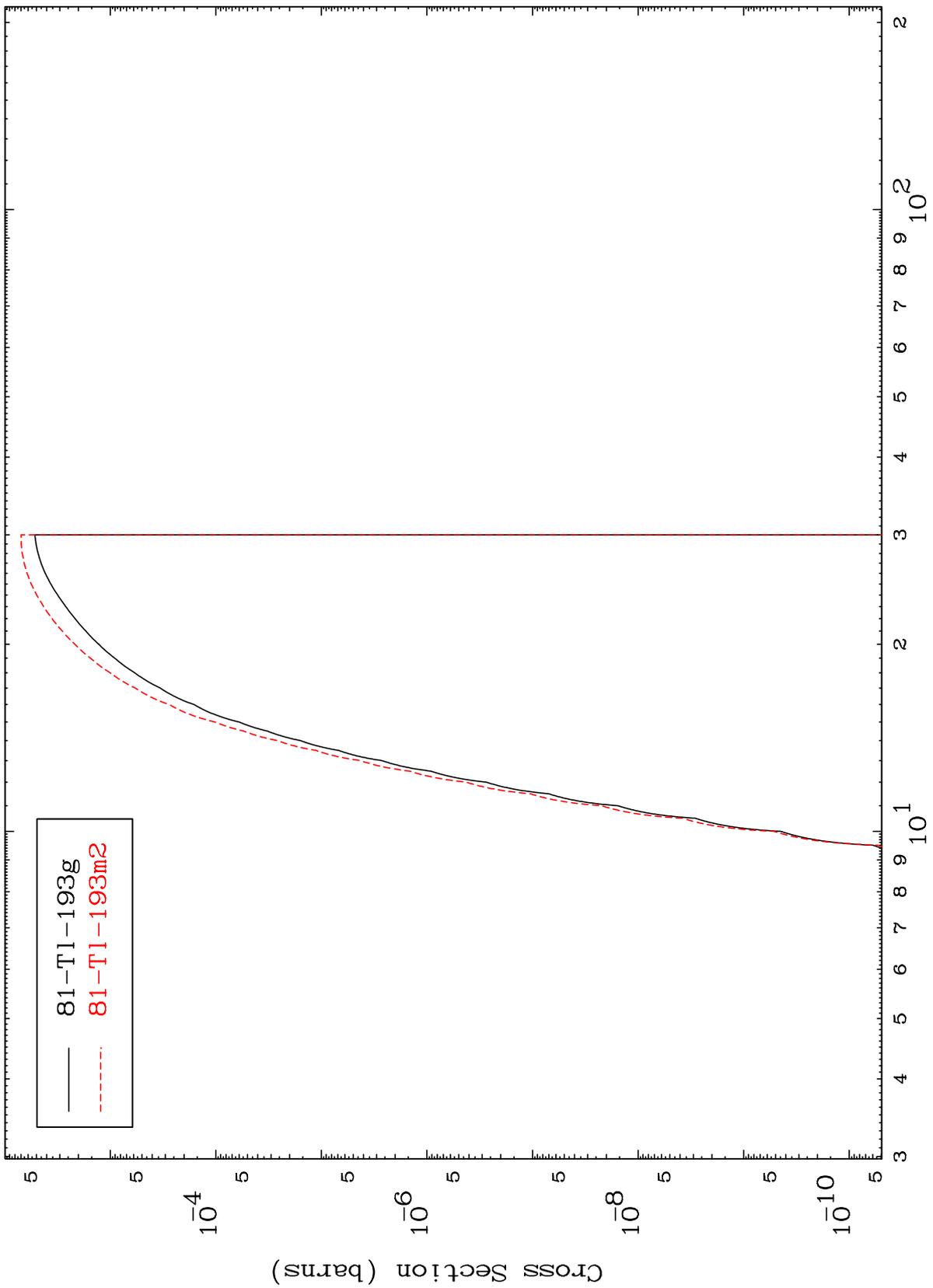
82-Pb-195

Incident Energy (MeV)

MAT 8198

82-Pb-195

(n, t)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

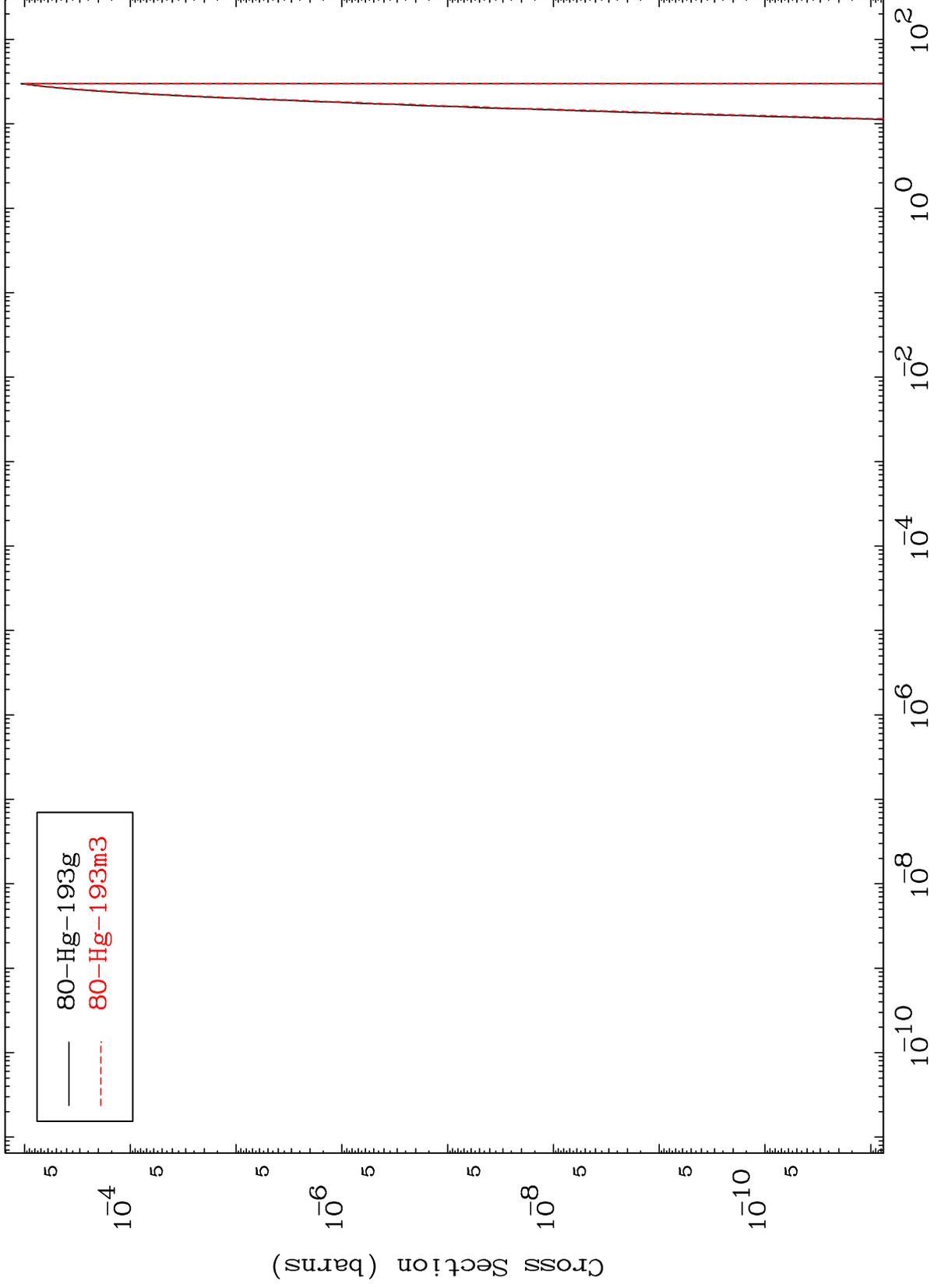
82-Pb-195

MAT 8198

(n,He-3)

82-Pb-195

Radionuclide Production Cross Section

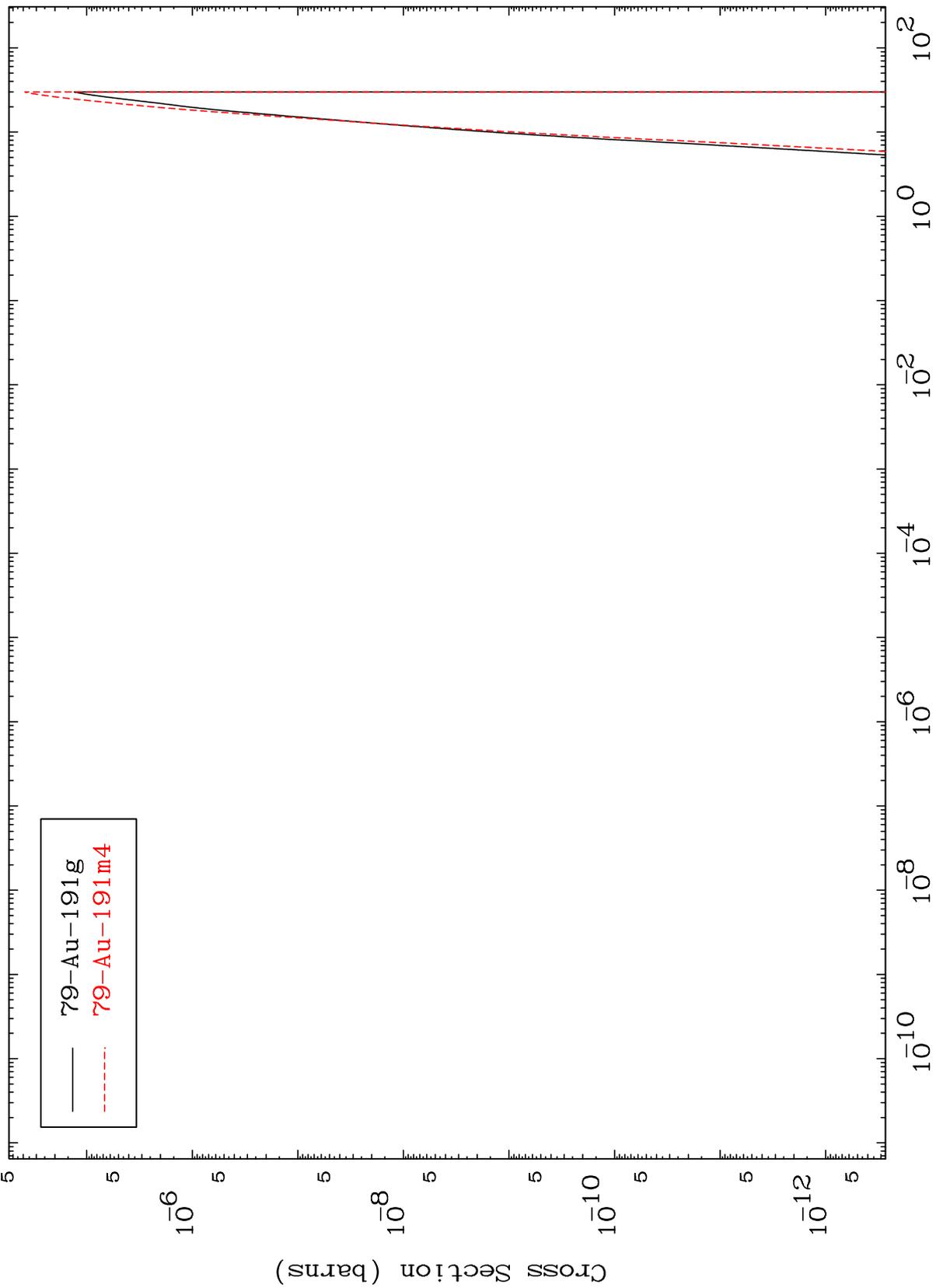


MAT 8198

(n,p) α

82-Pb-195

Radionuclide Production Cross Section



79-Au-191g
79-Au-191m4

Radionuclide Production Cross Section

