

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

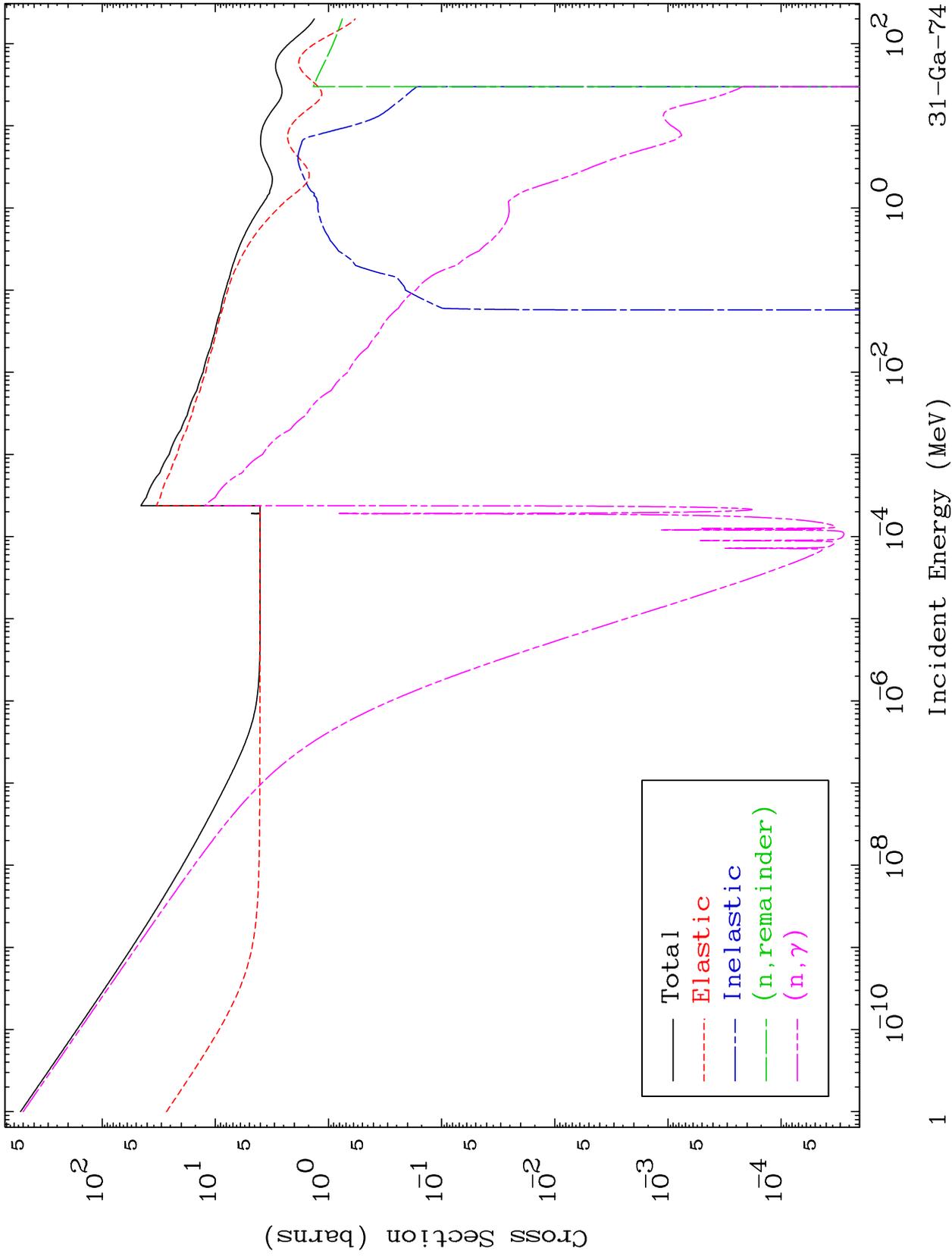
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Press Mouse Button to Start

MAT 3140

Major
293 Kelvin Cross Sections

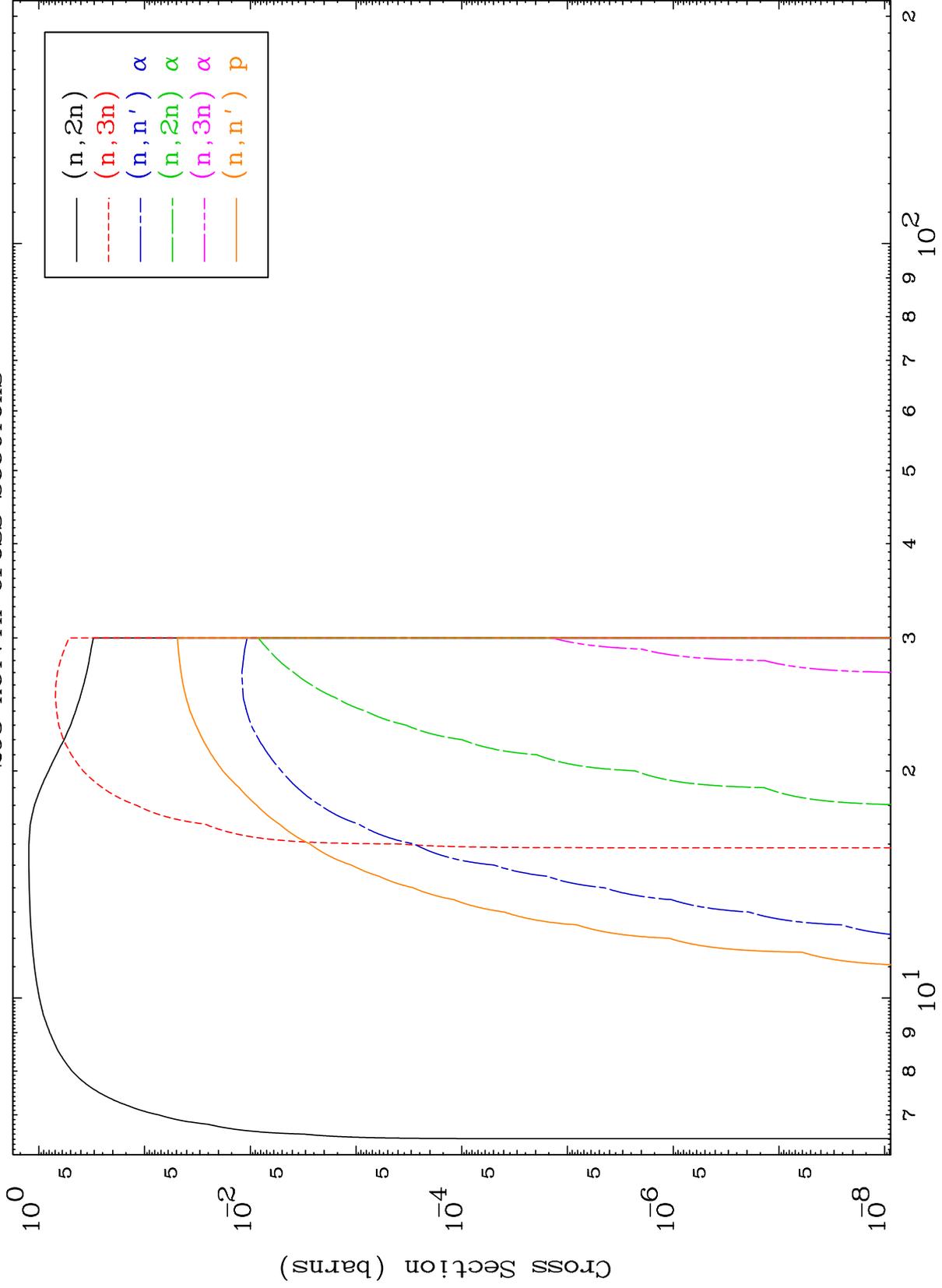
31-Ga-74



MAT 3140

Neutron Production
293 Kelvin Cross Sections

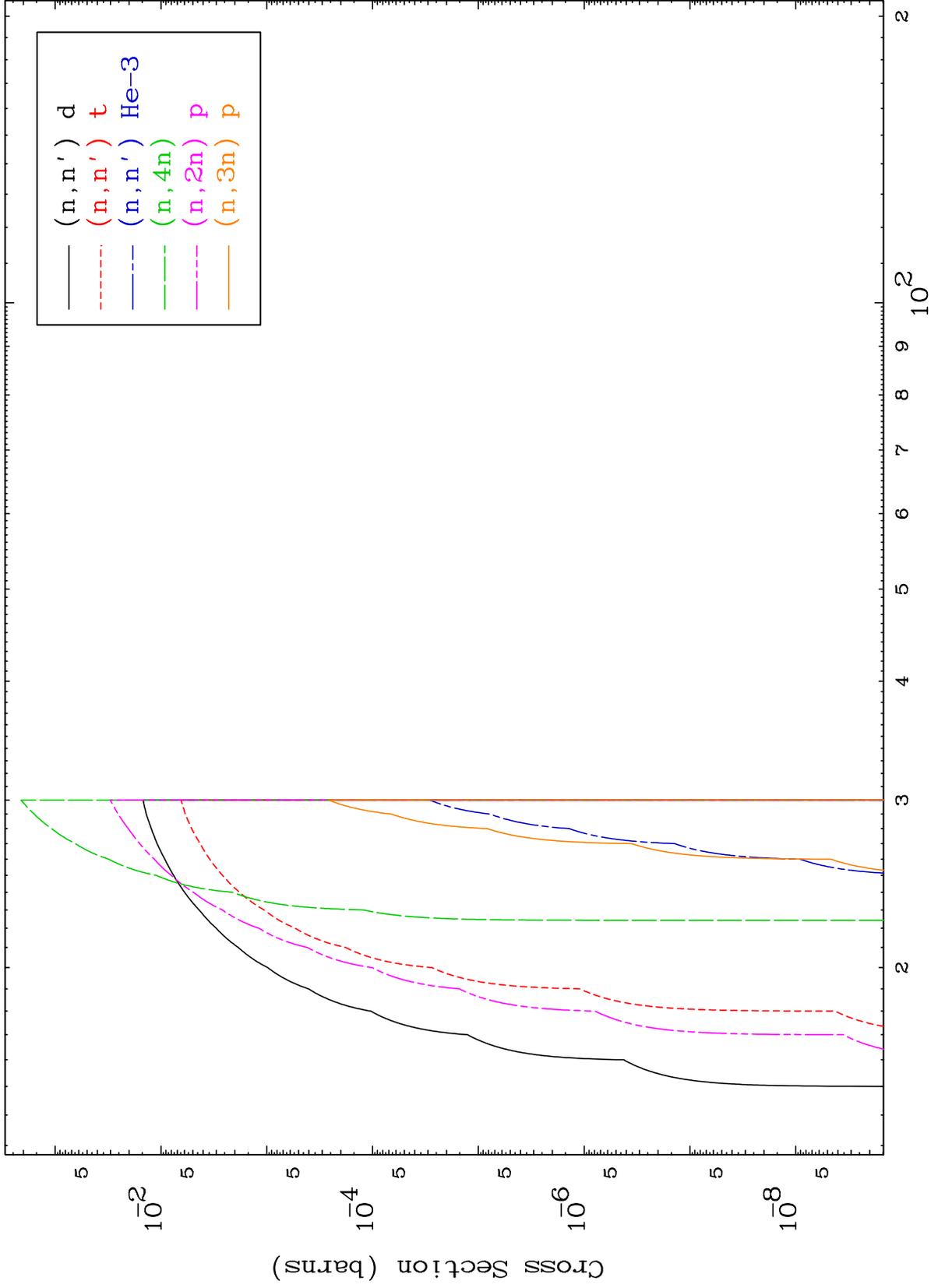
31-Ga-74

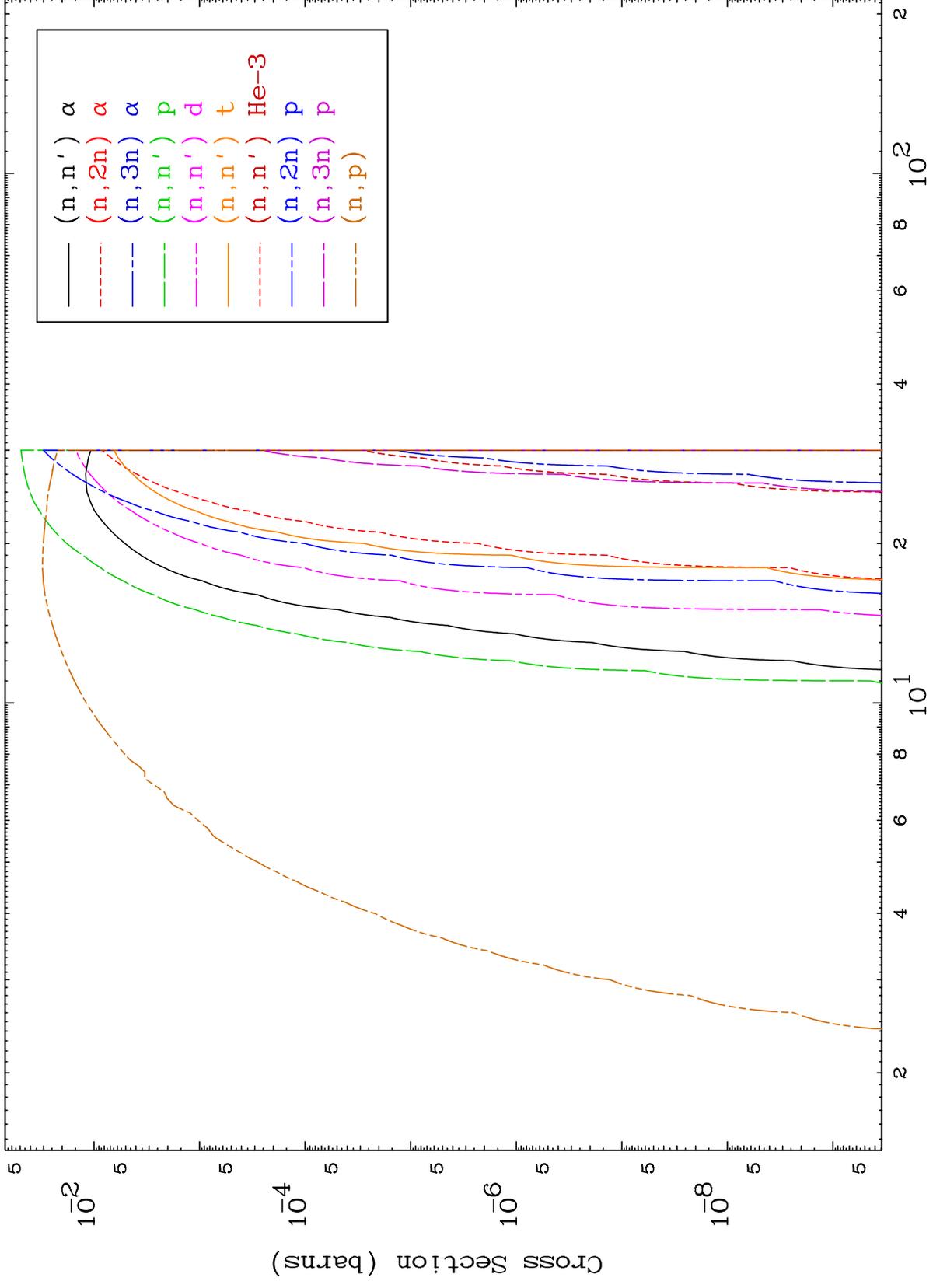


2

Incident Energy (MeV)

31-Ga-74

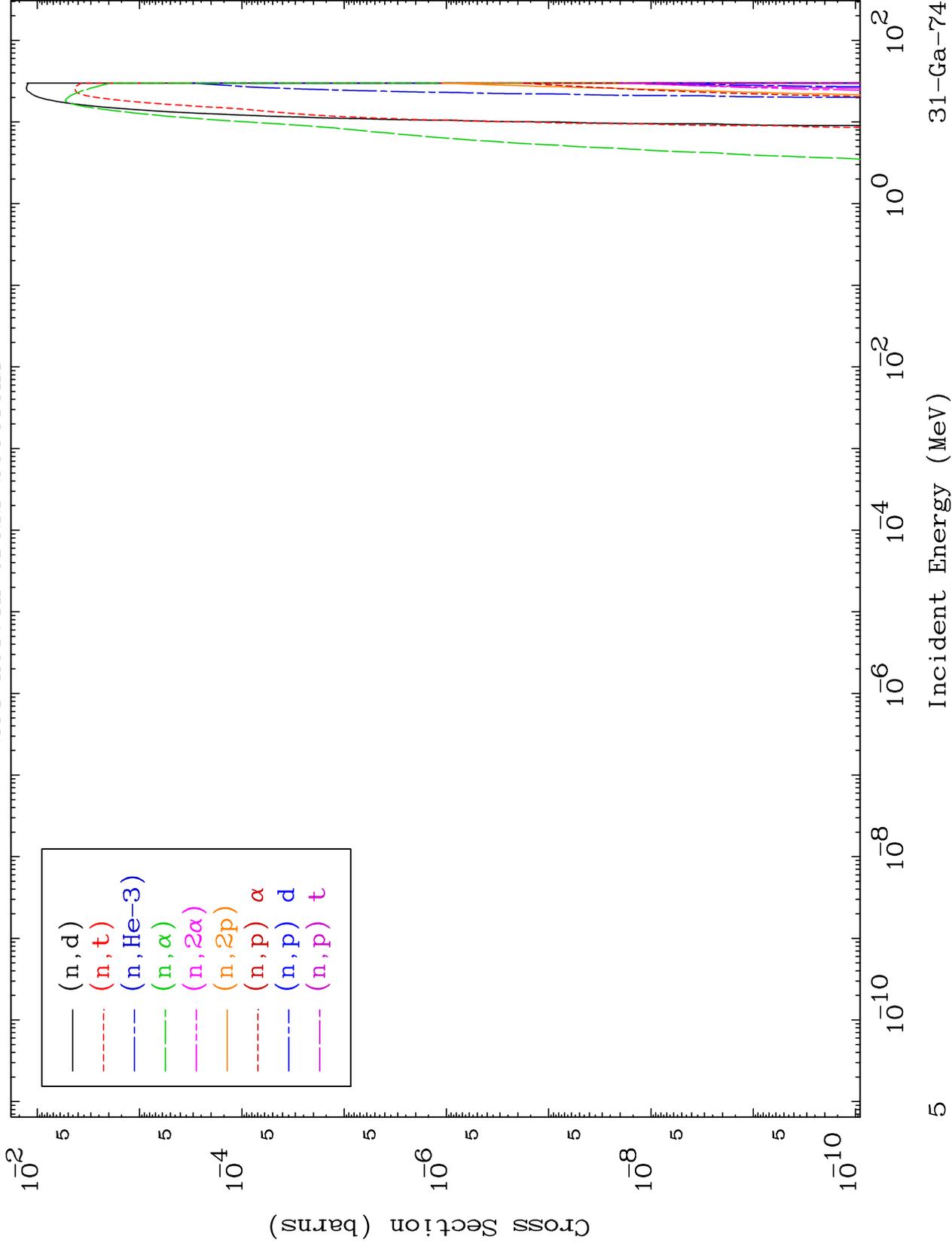


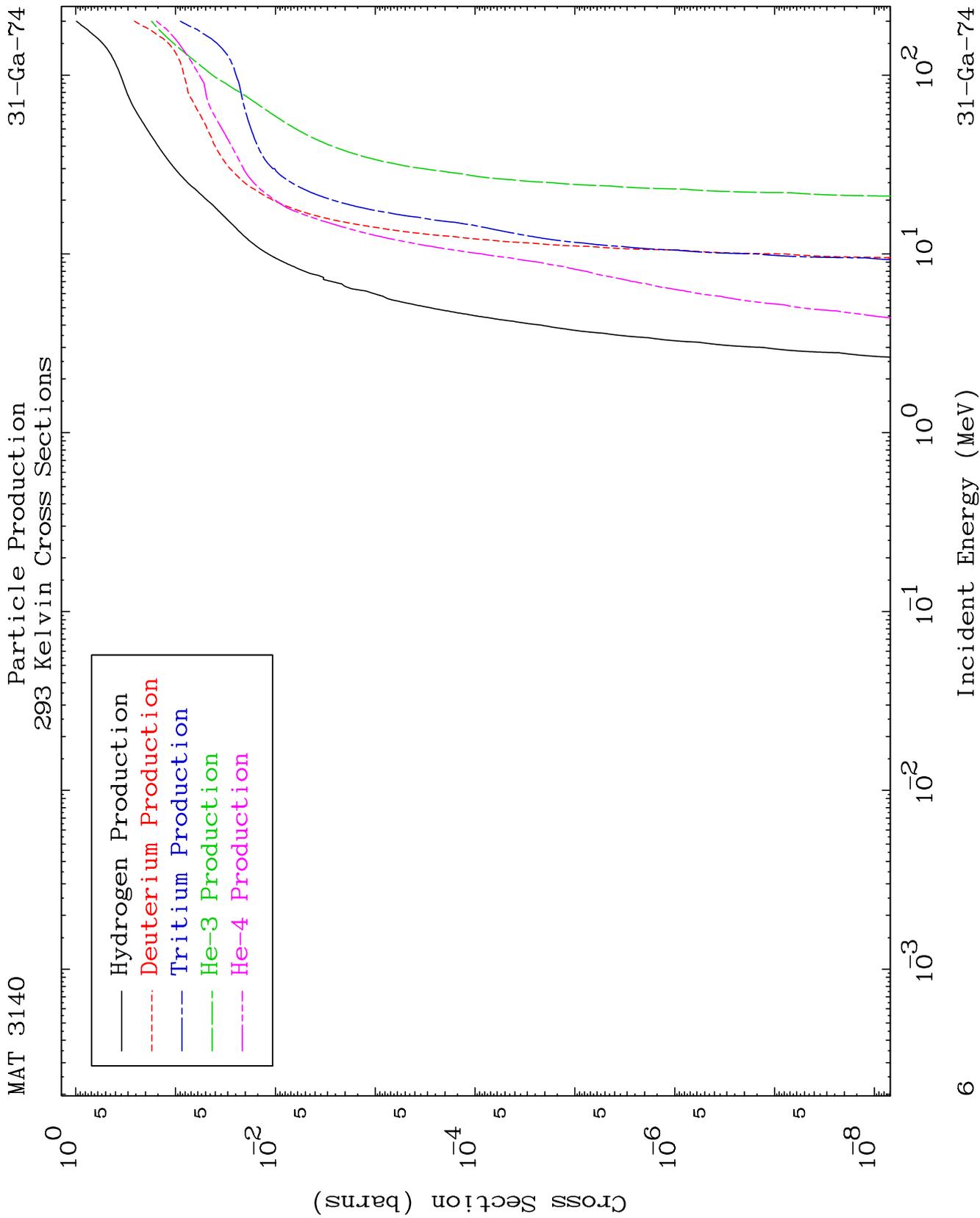


MAT 3140

Charged Particle
293 Kelvin Cross Sections

31-Ga-74



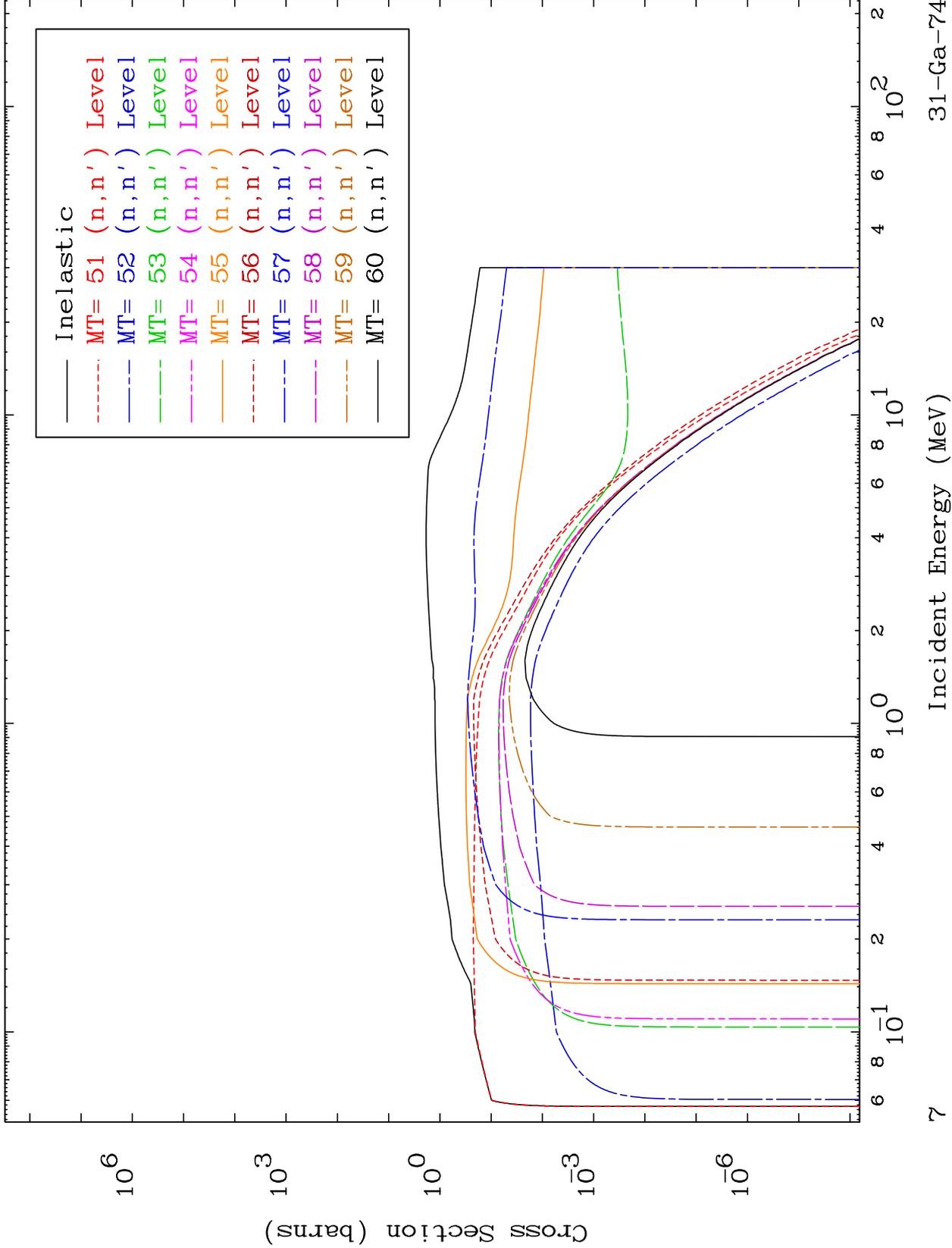


MAT 3140

(n,n') Level

31-Ga-74

293 Kelvin Cross Sections



7

Incident Energy (MeV)

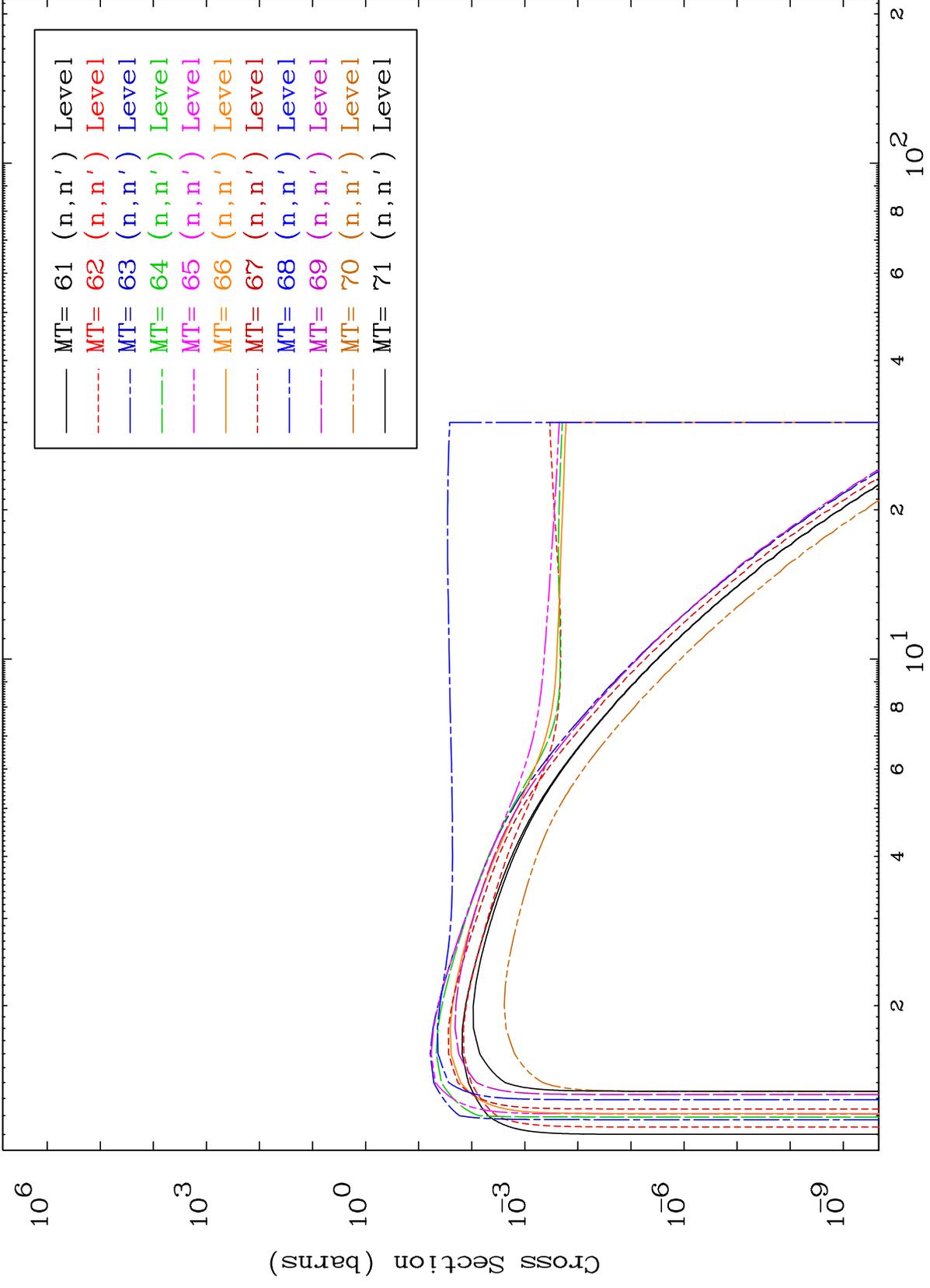
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MAT 3140

(n,n') Level

31-Ga-74

293 Kelvin Cross Sections

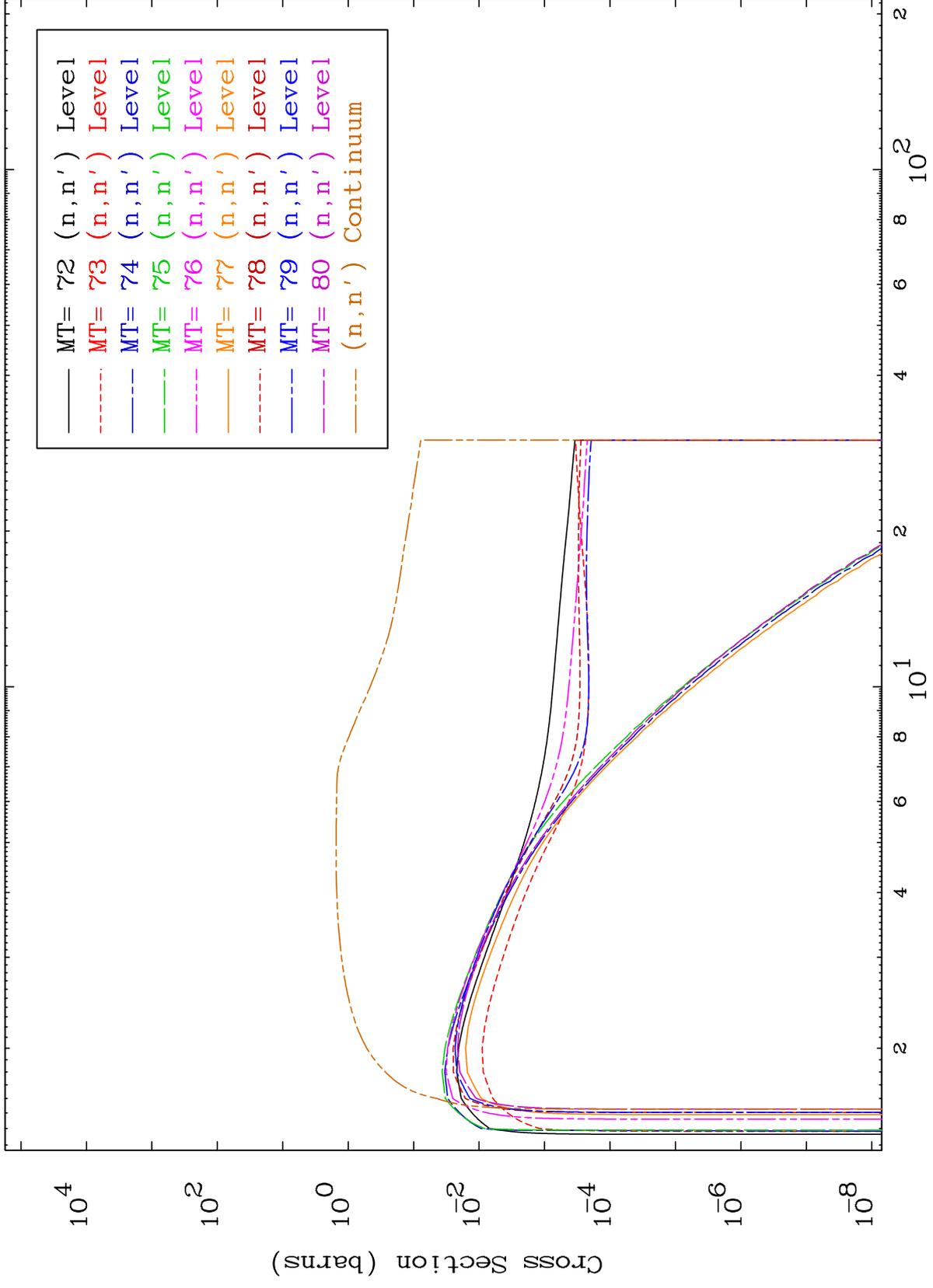


8

Incident Energy (MeV)

31-Ga-74

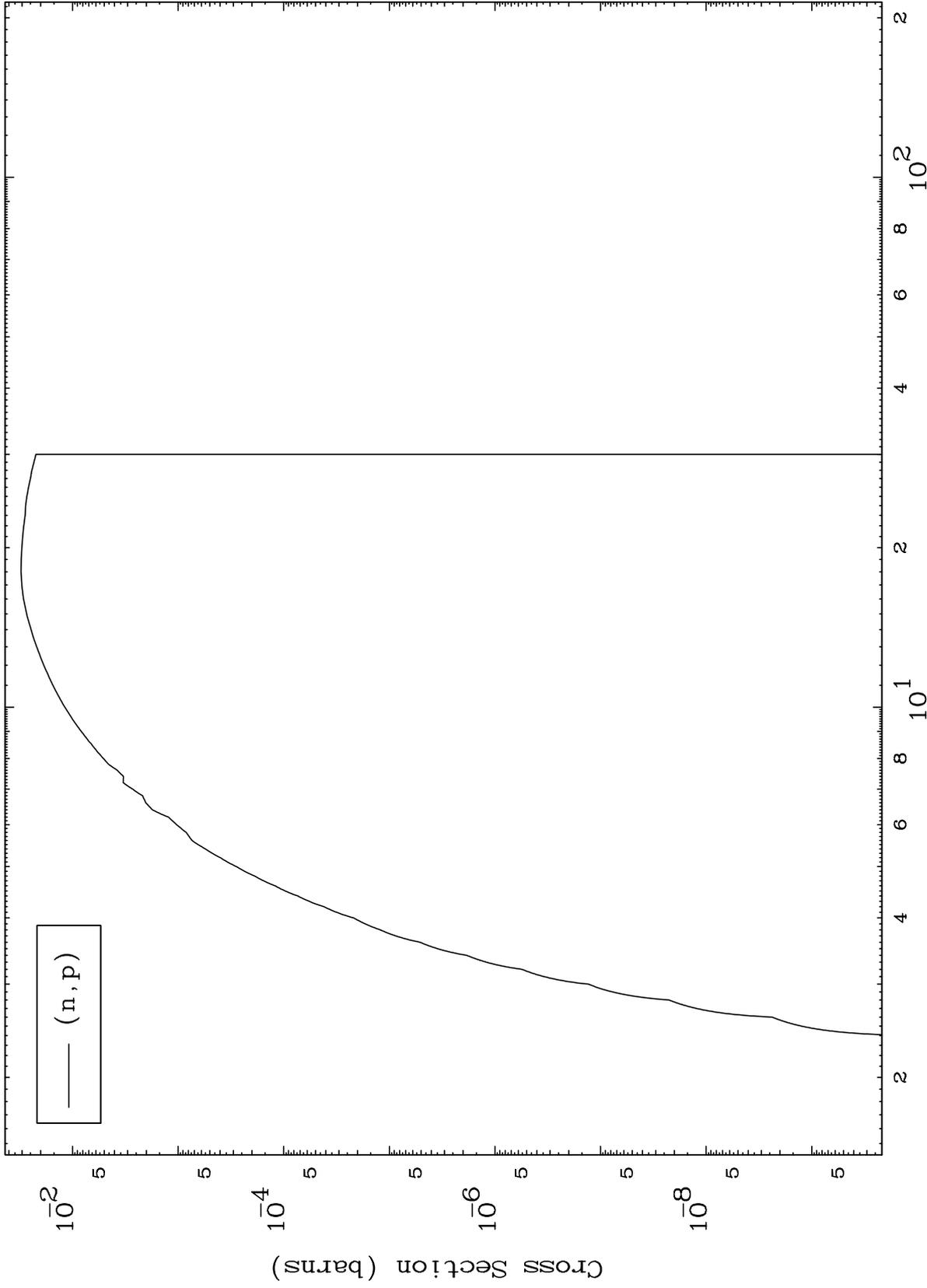
293 Kelvin Cross Sections



MAT 3140

(n,p) Levels
293 Kelvin Cross Sections

31-Ga-74



10

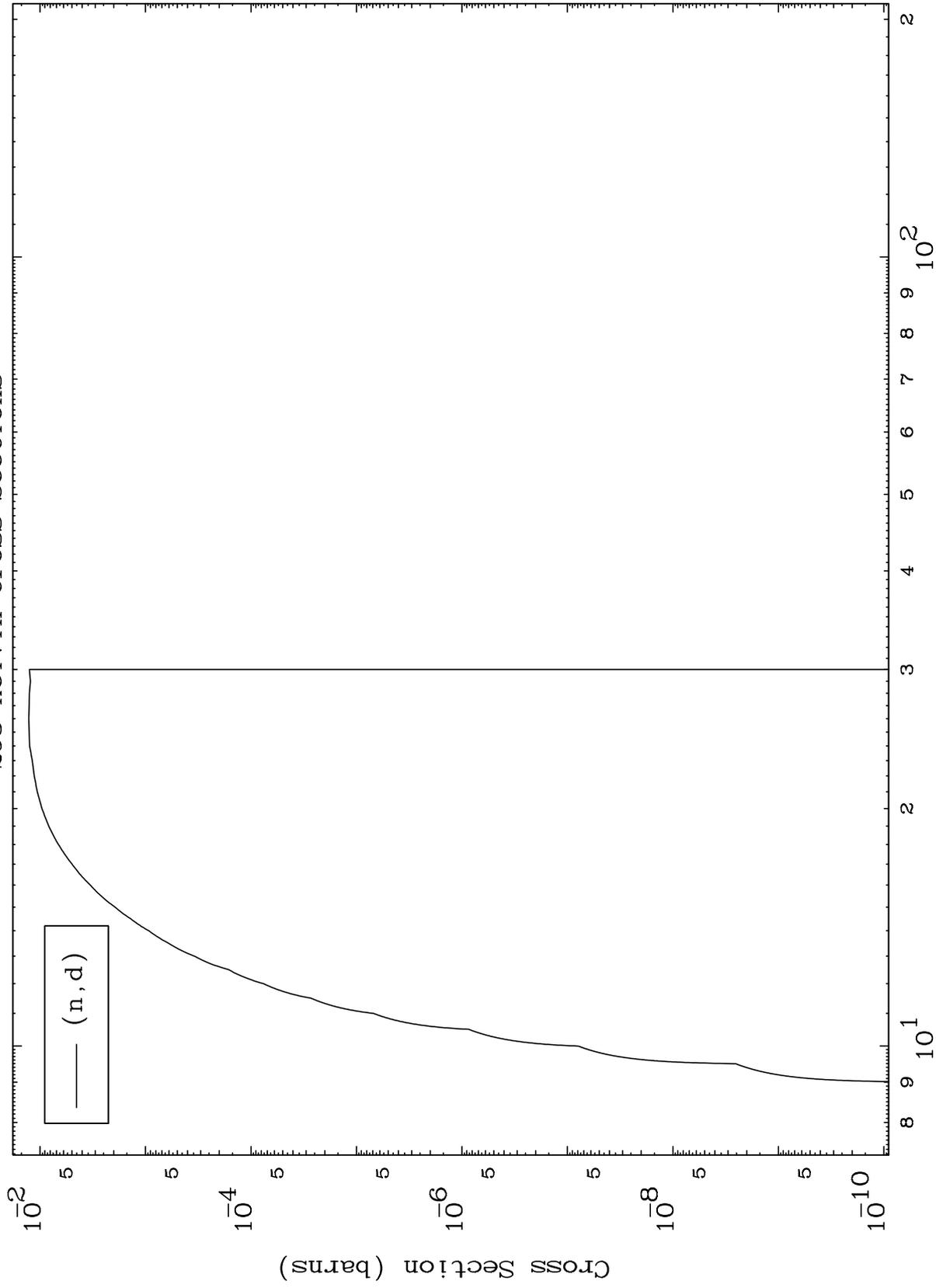
Incident Energy (MeV)

31-Ga-74

MAT 3140

(n,d) Levels
293 Kelvin Cross Sections

31-Ga-74



11

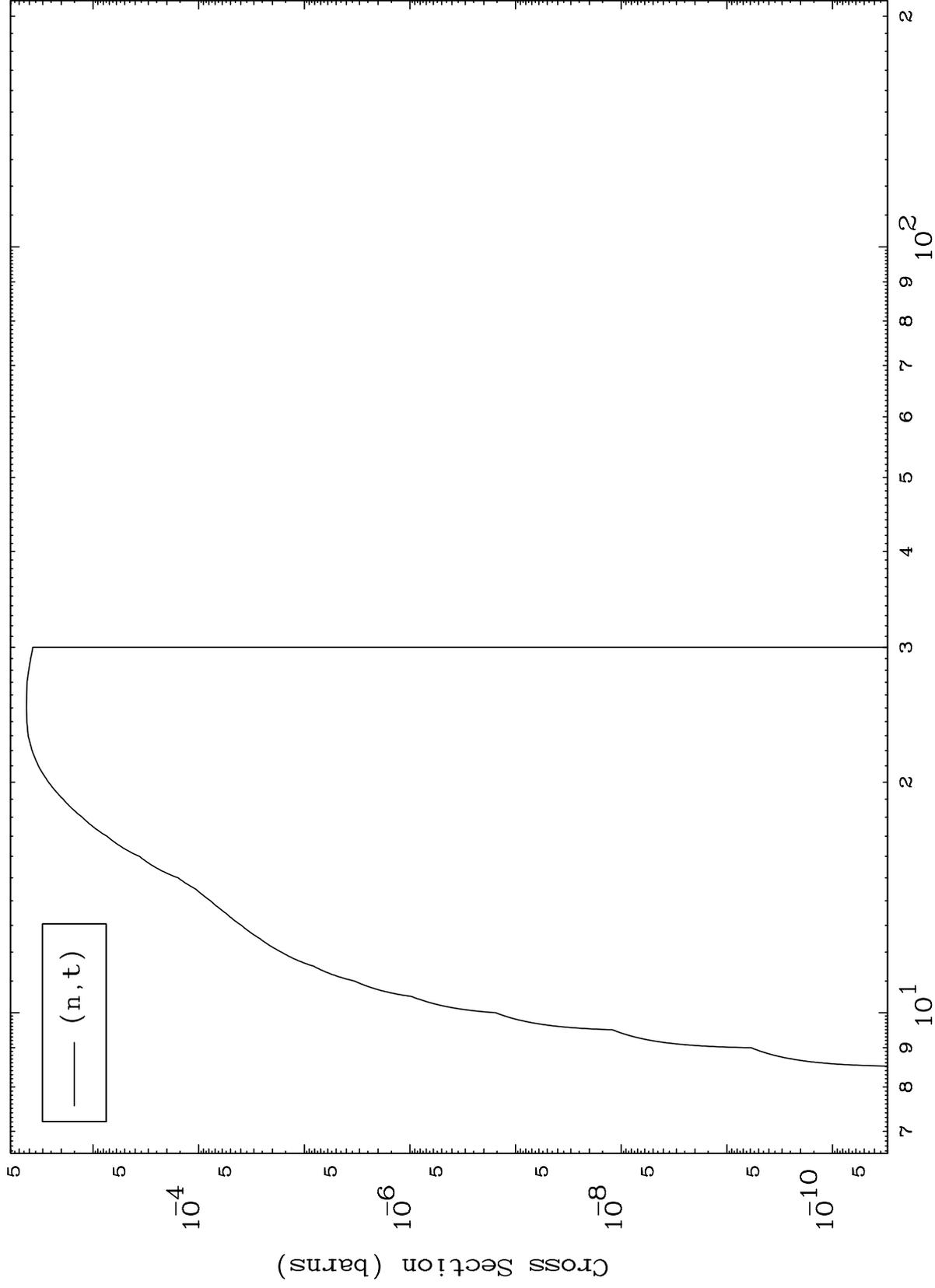
Incident Energy (MeV)

31-Ga-74

MAT 3140

(n,t) Levels
293 Kelvin Cross Sections

31-Ga-74



12

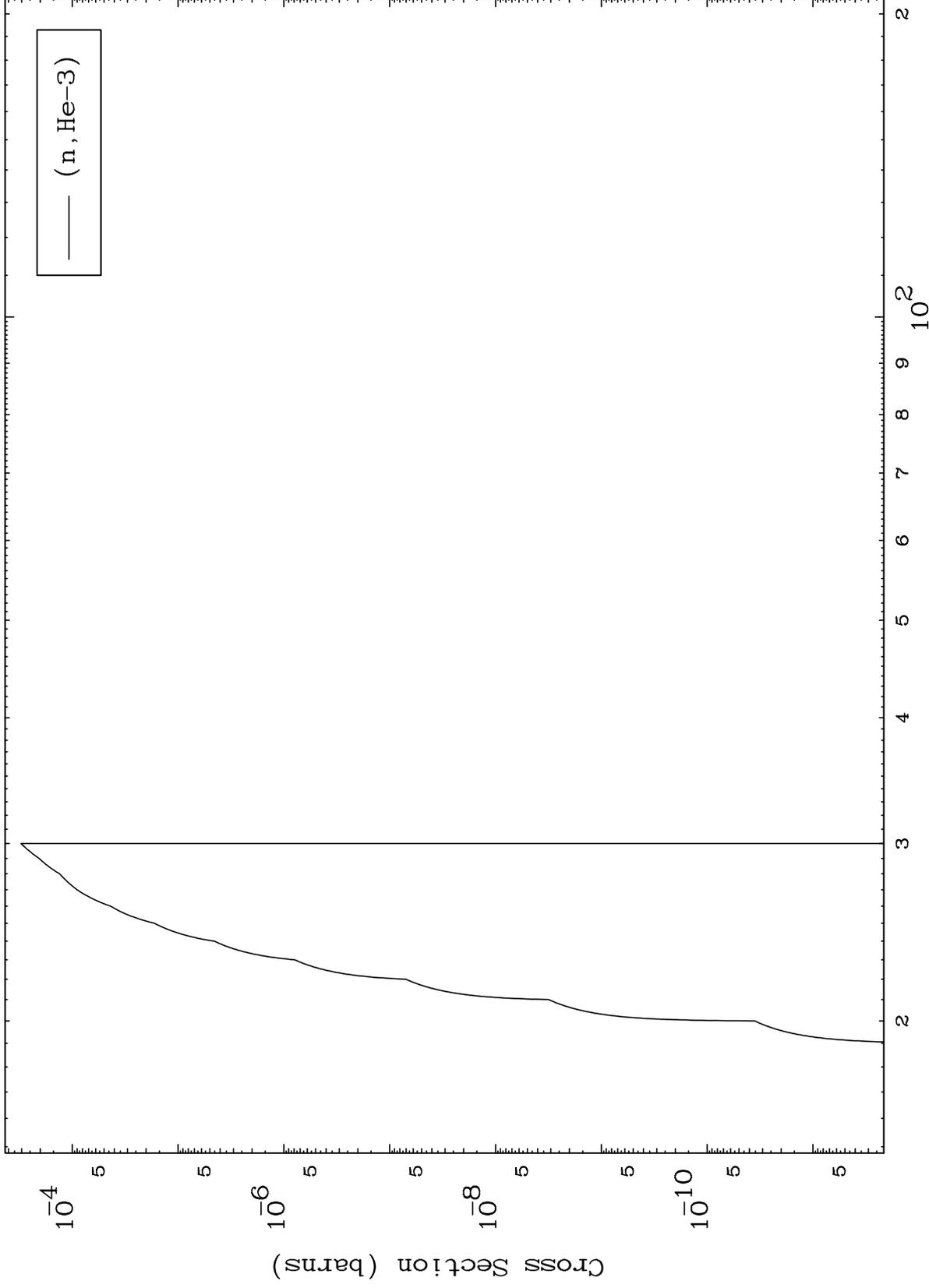
Incident Energy (MeV)

31-Ga-74

MAT 3140

(n,He3) Levels
293 Kelvin Cross Sections

31-Ga-74



13

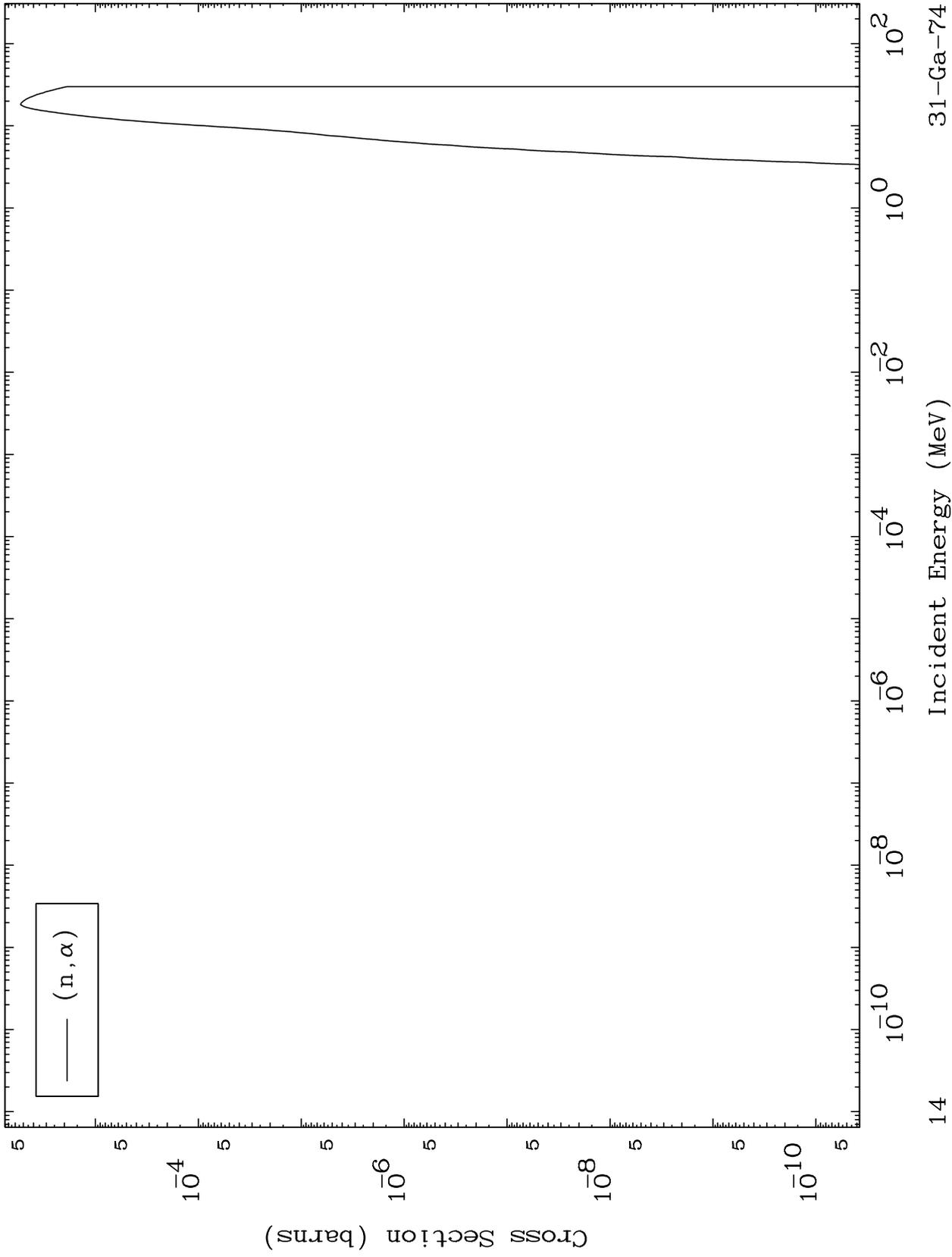
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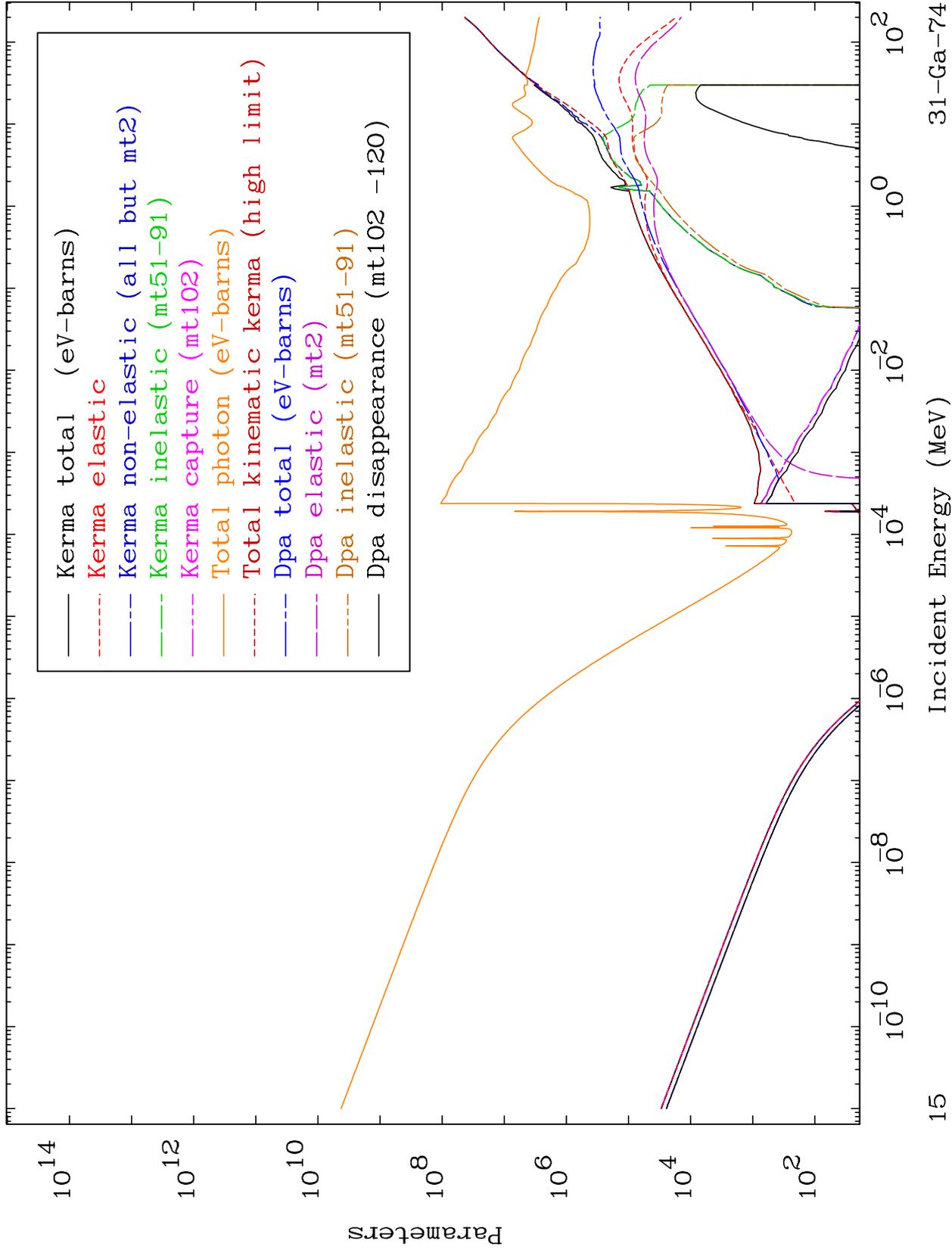
31-Ga-74

MAT 3140

(n, α) Levels
293 Kelvin Cross Sections

31-Ga-74

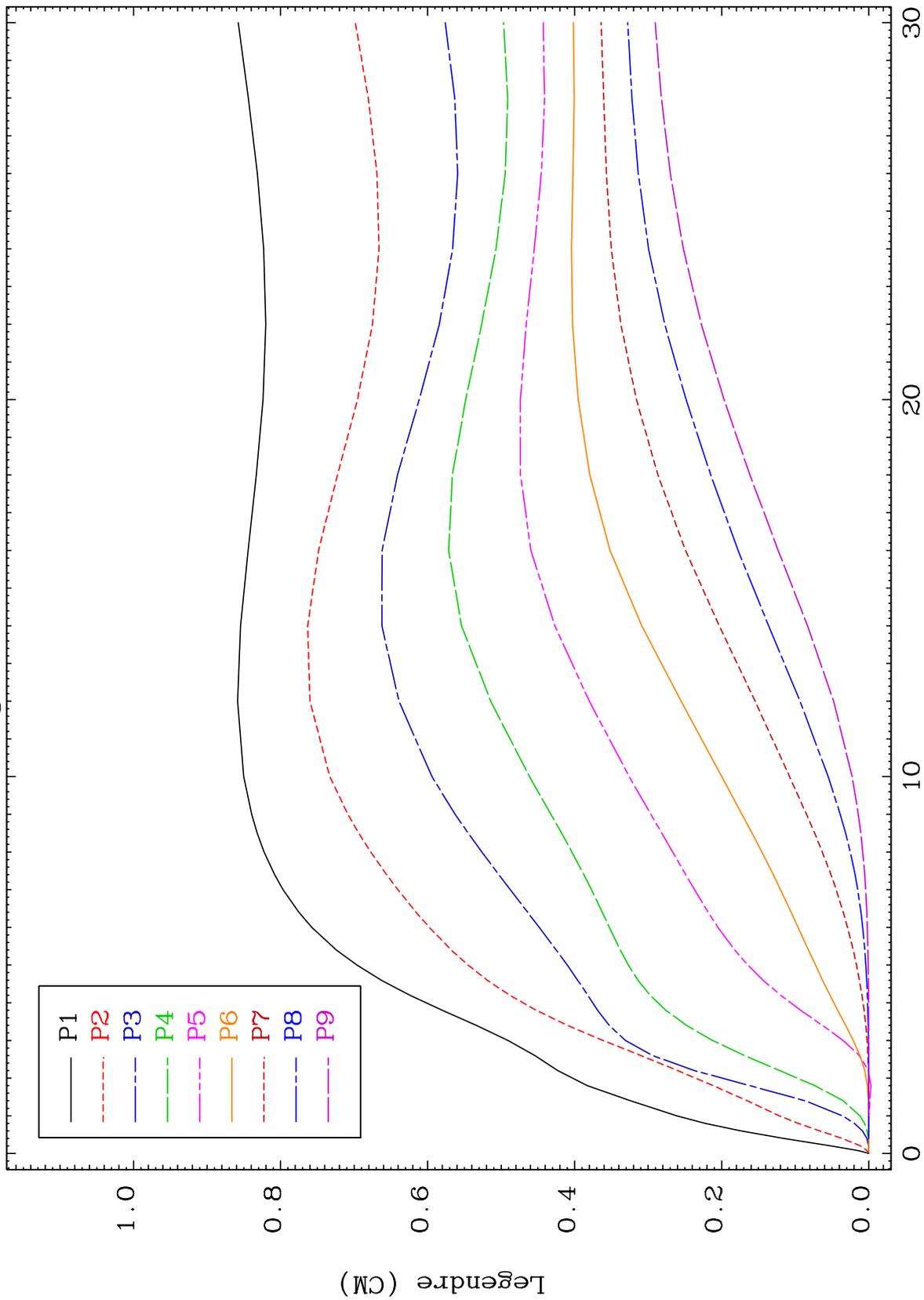




MAT 3140

Elastic Legendre Coefficients

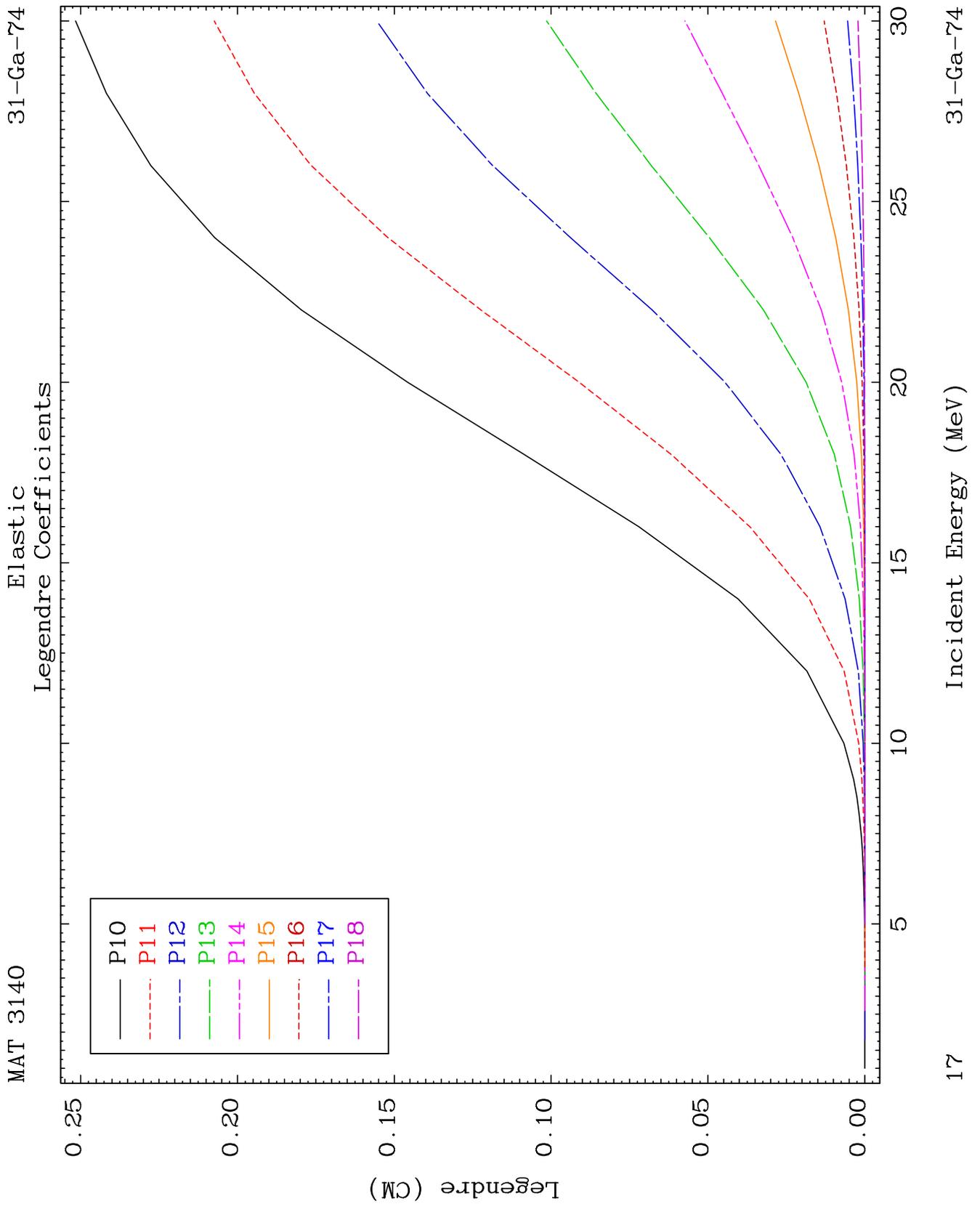
³¹Ga-74



16

Incident Energy (MeV)

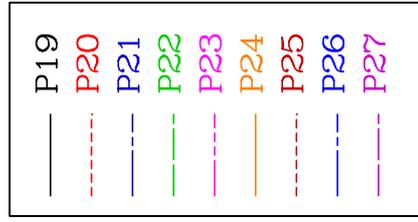
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MAT 3140

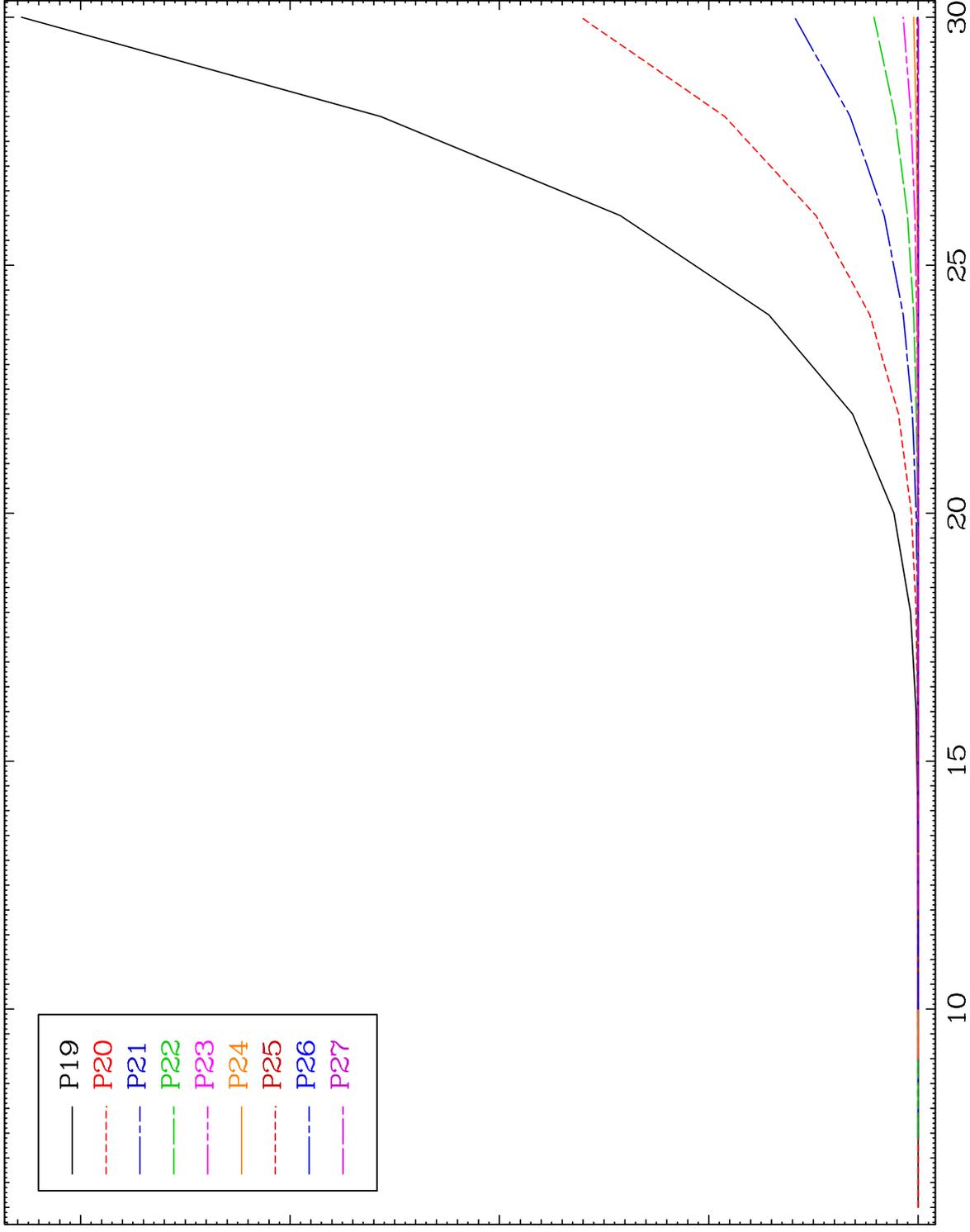
Elastic
Legendre Coefficients

31-Ga-74



$\times 10^{-4}$

Legendre (CM)



18

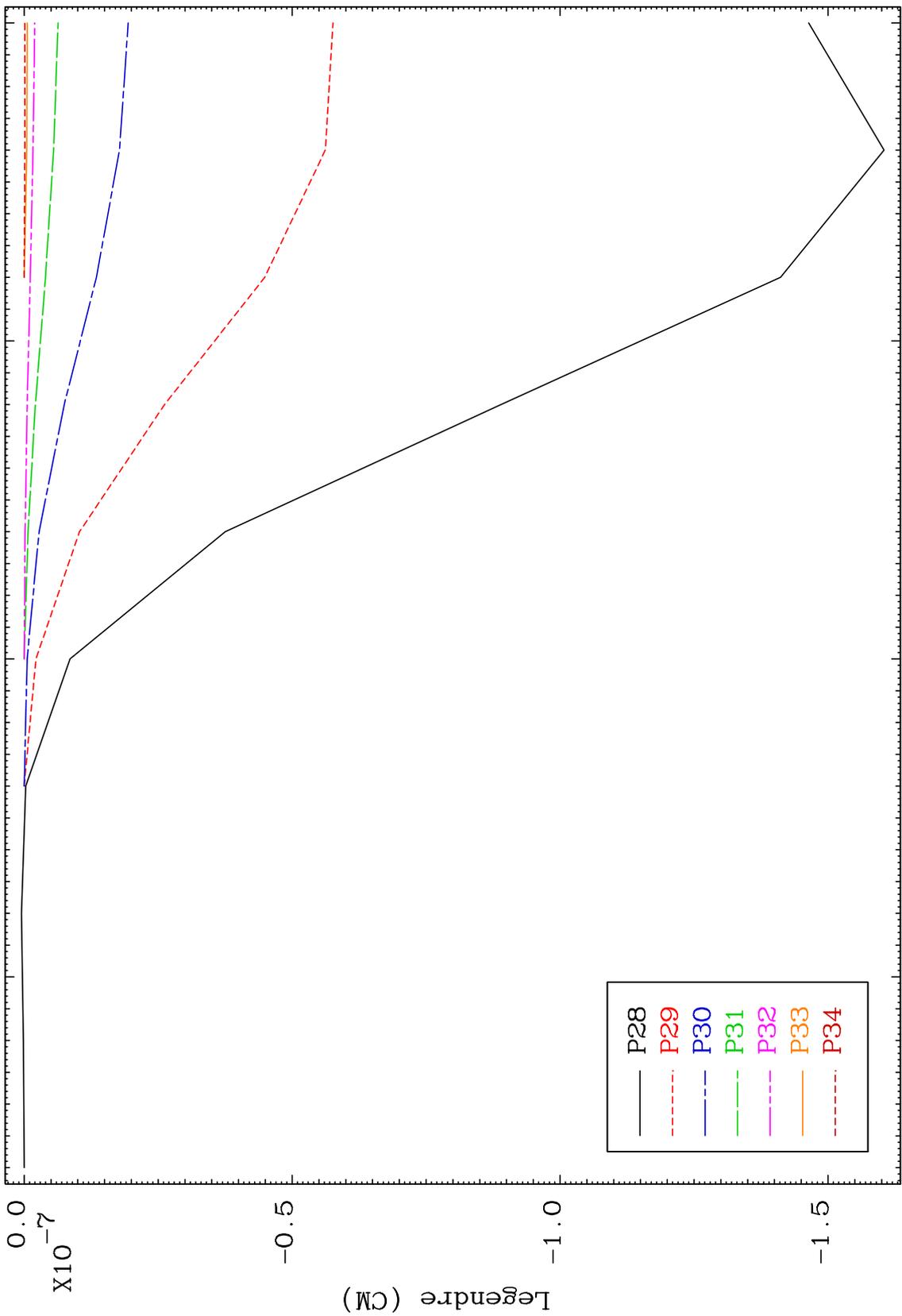
Incident Energy (MeV)

31-Ga-74

MAT 3140

31-Ga-74

Elastic Legendre Coefficients



0.0

$\times 10^{-7}$

-0.5

-1.0

-1.5

Legendre (CM)

15

20

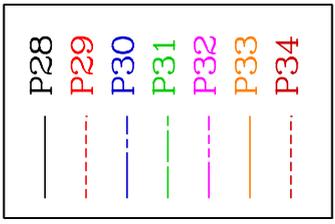
25

30

19

Incident Energy (MeV)

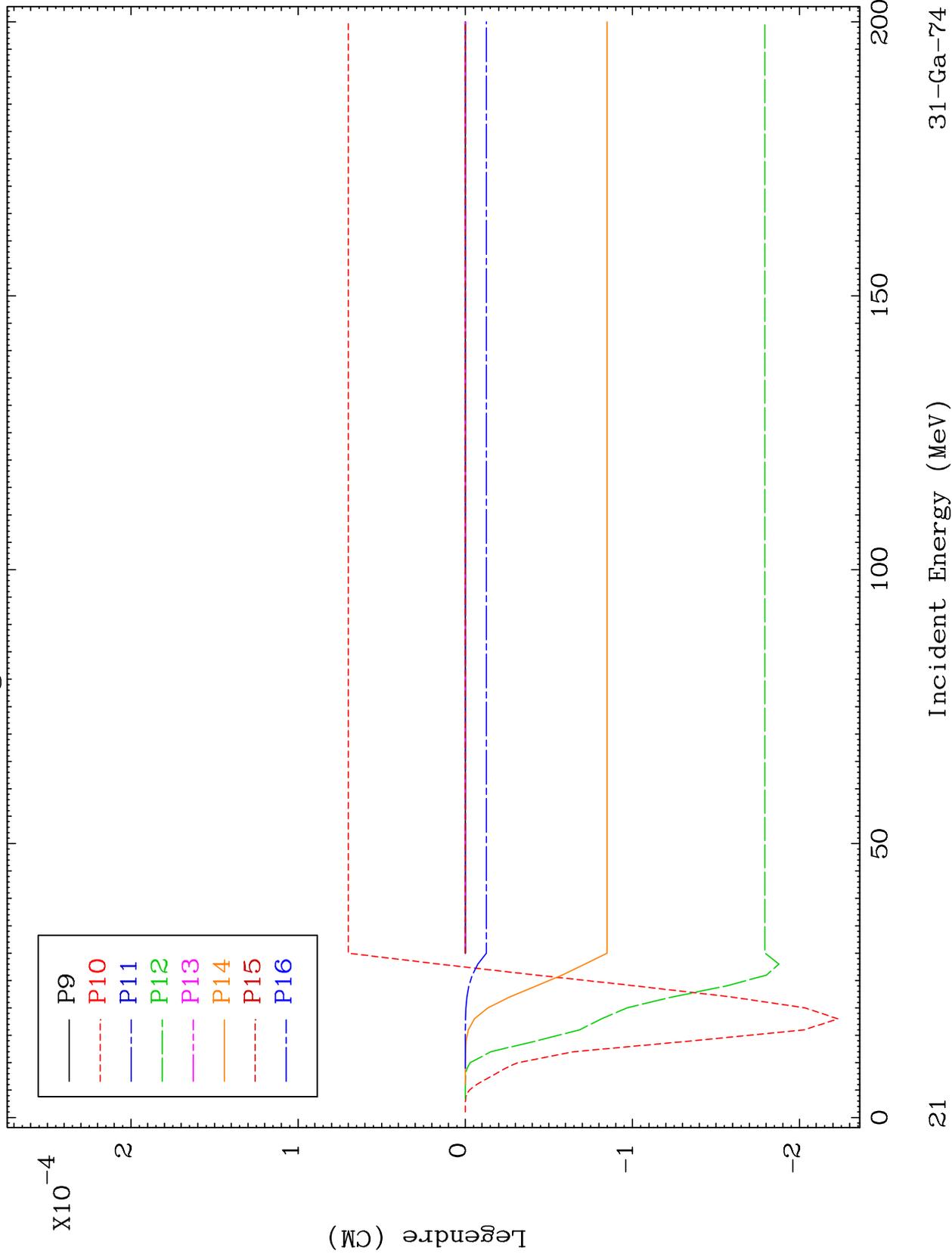
31-Ga-74



MAT 3140

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

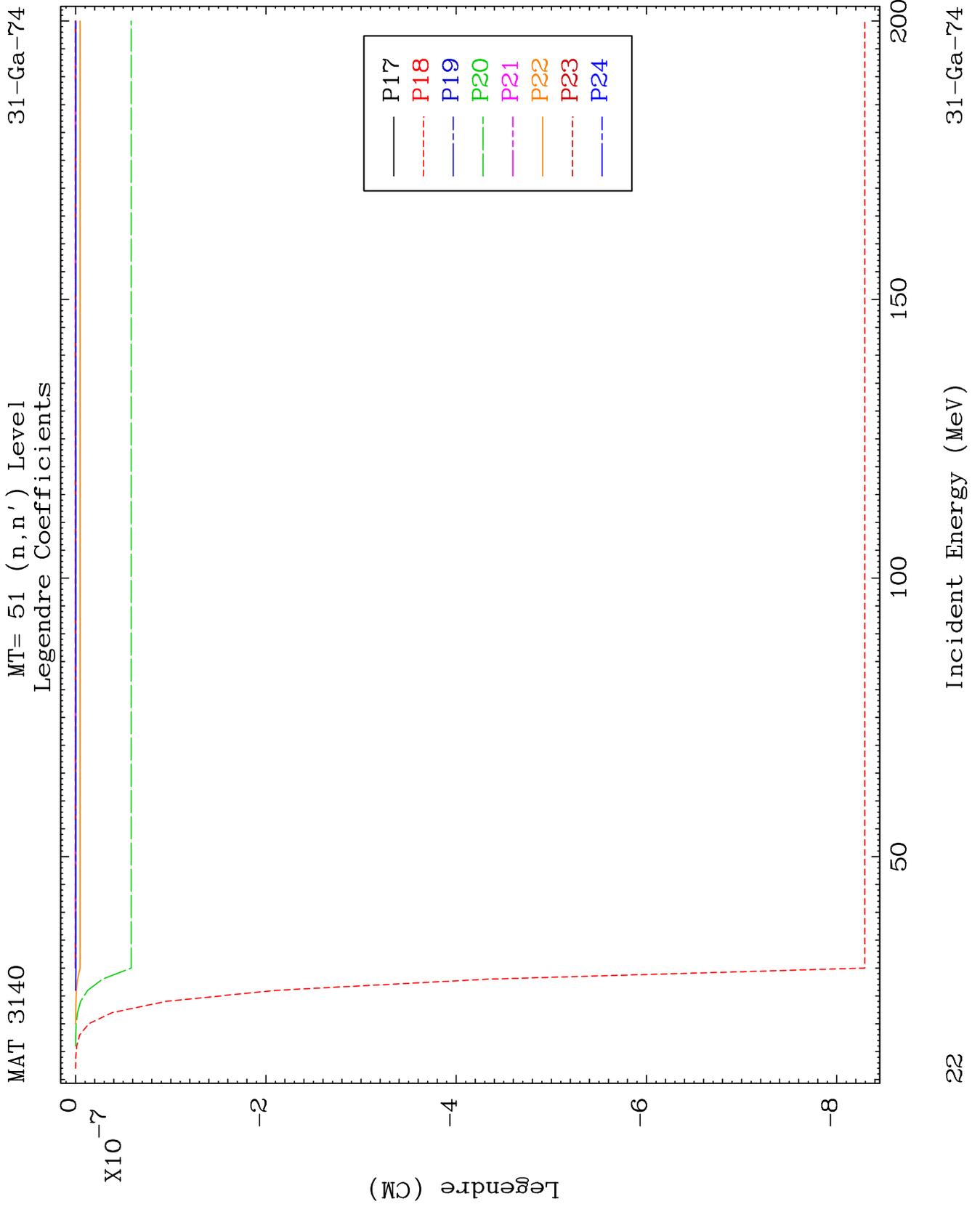
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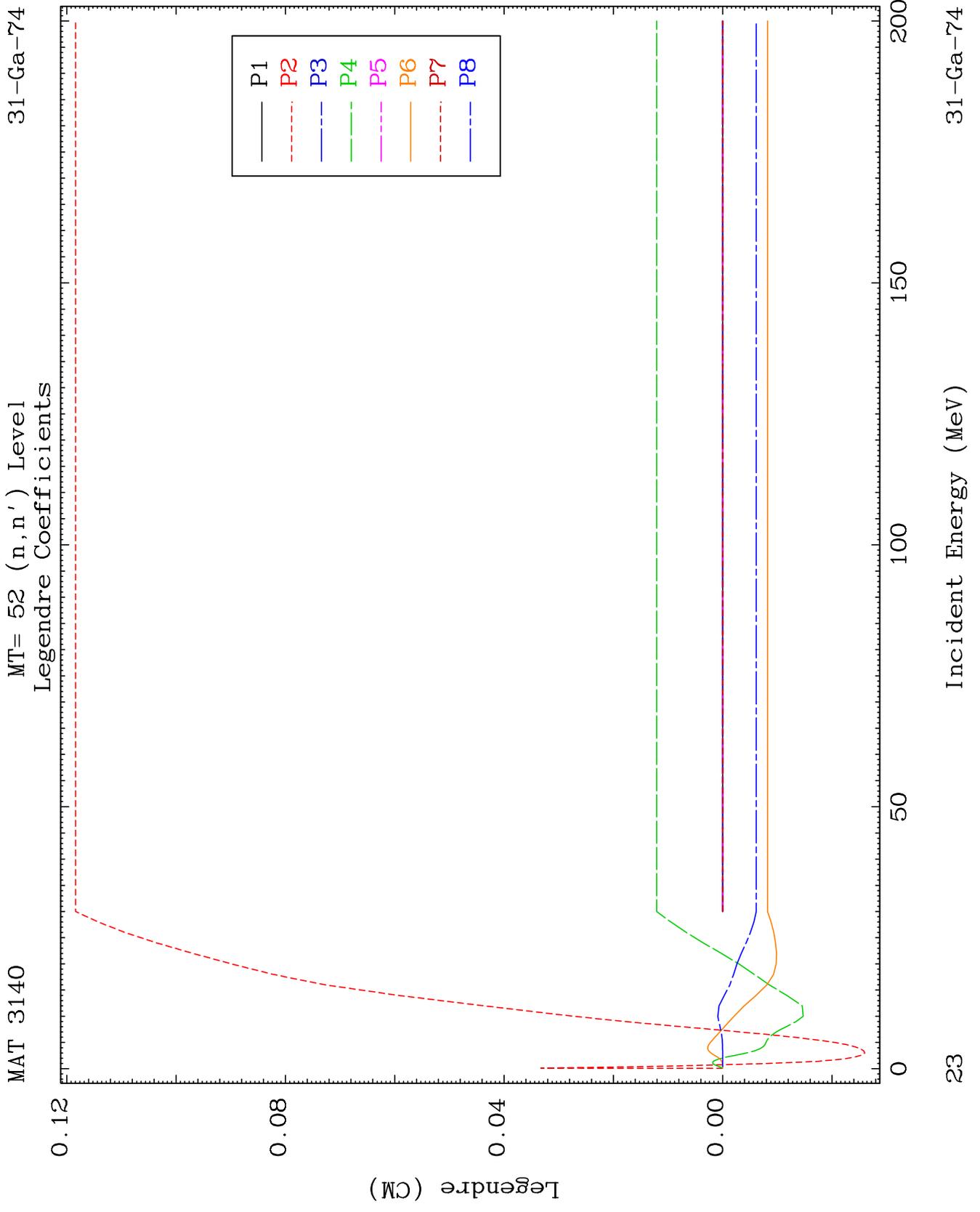


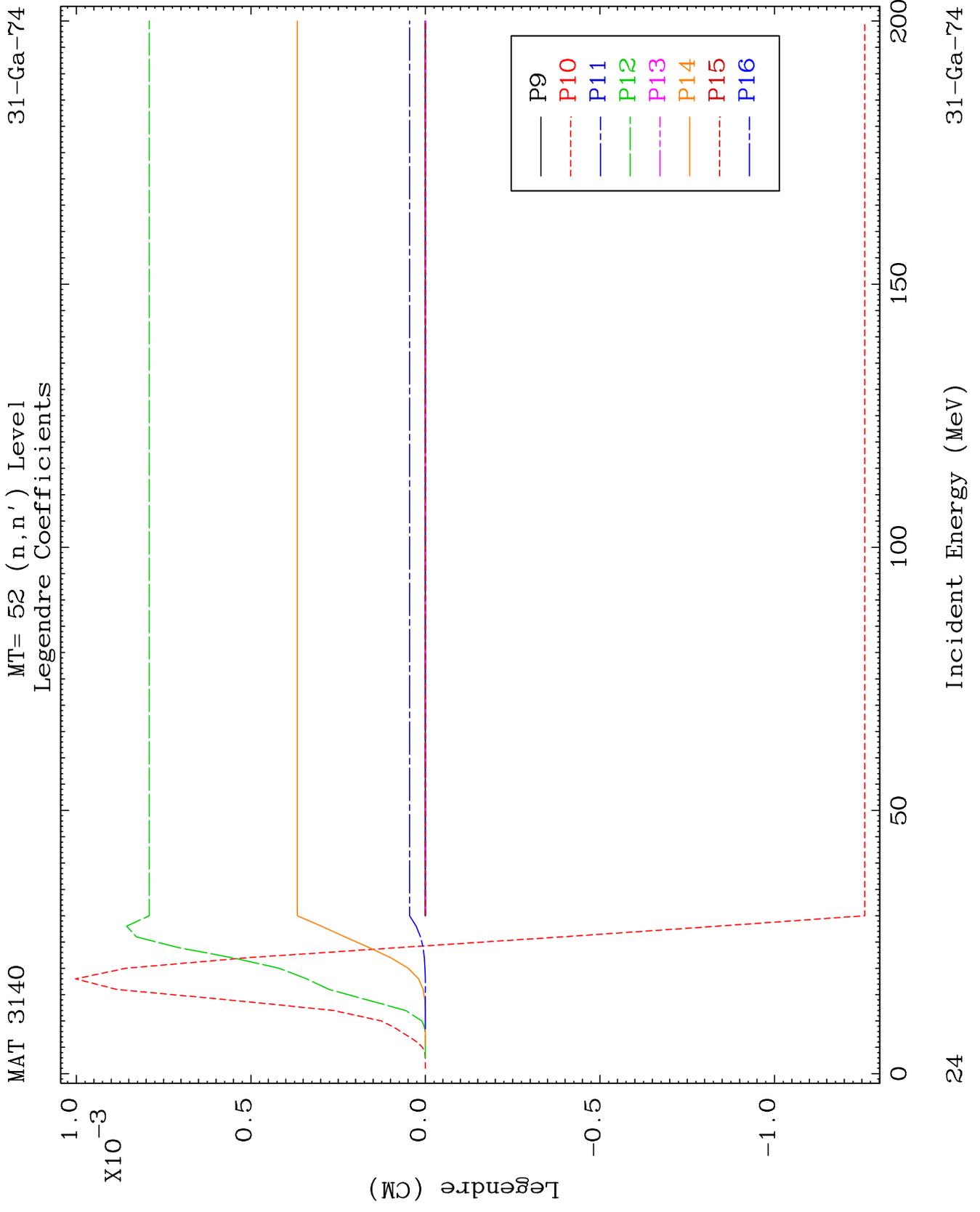
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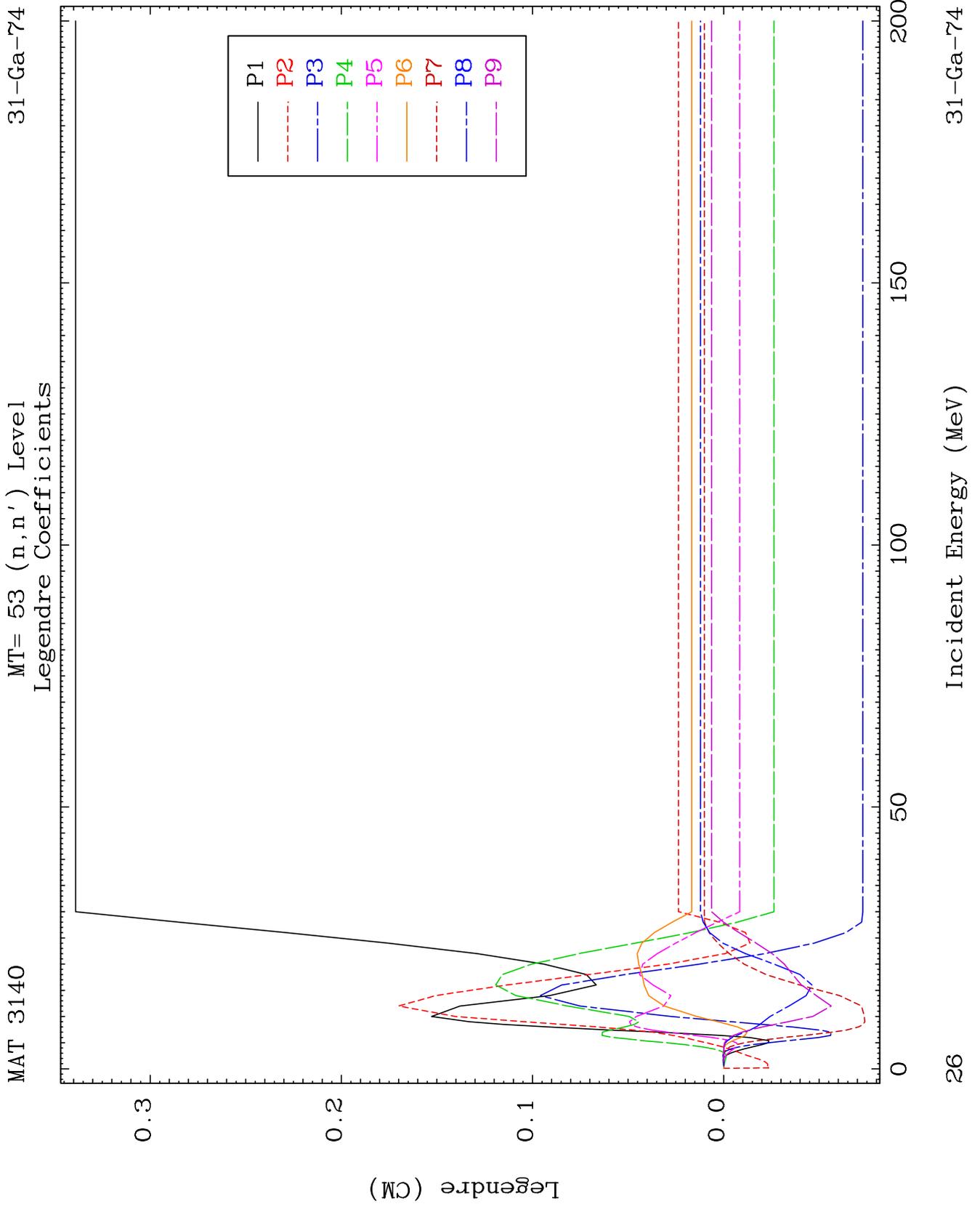
Incident Energy (MeV)

31-Ga-74





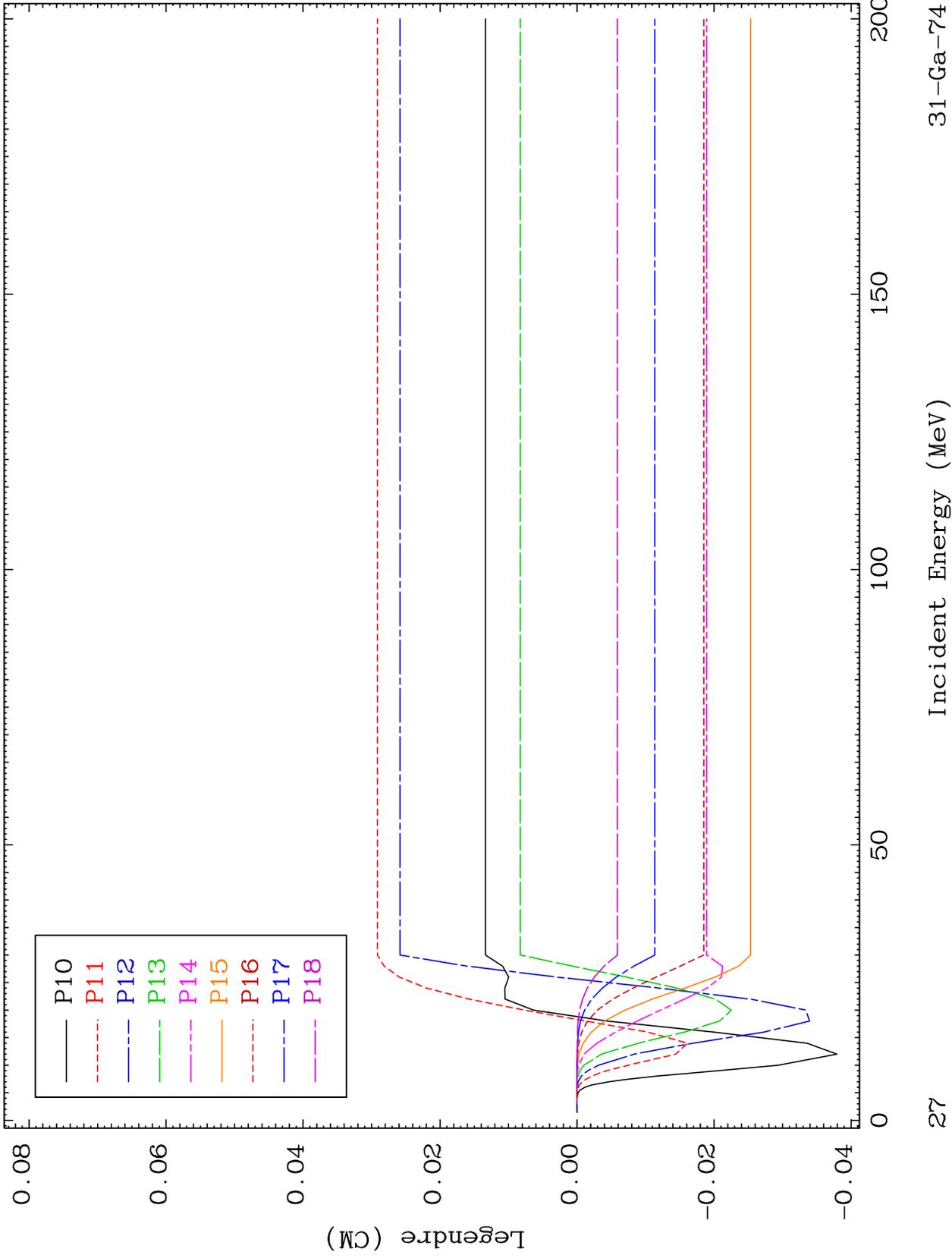




MAT 3140

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

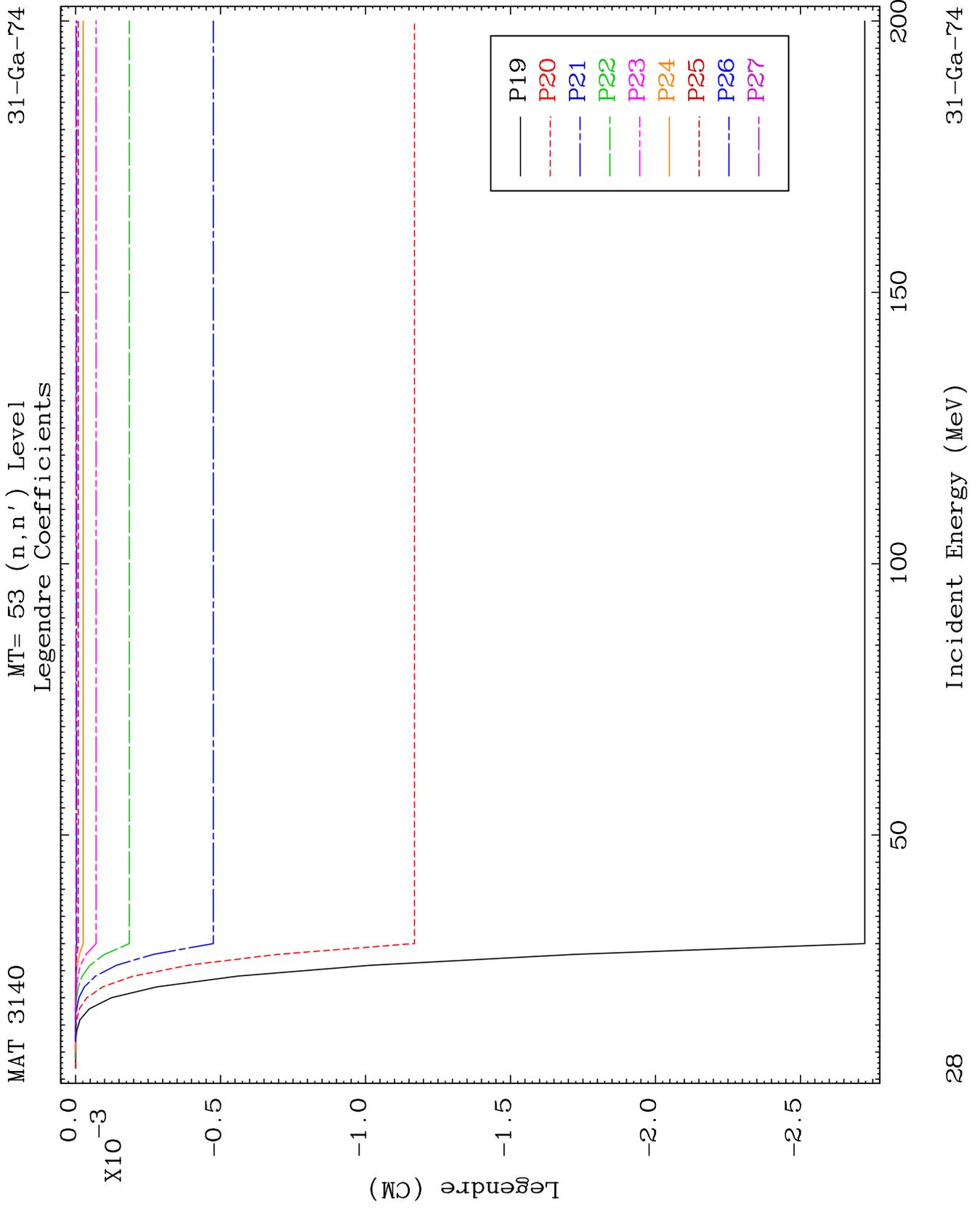
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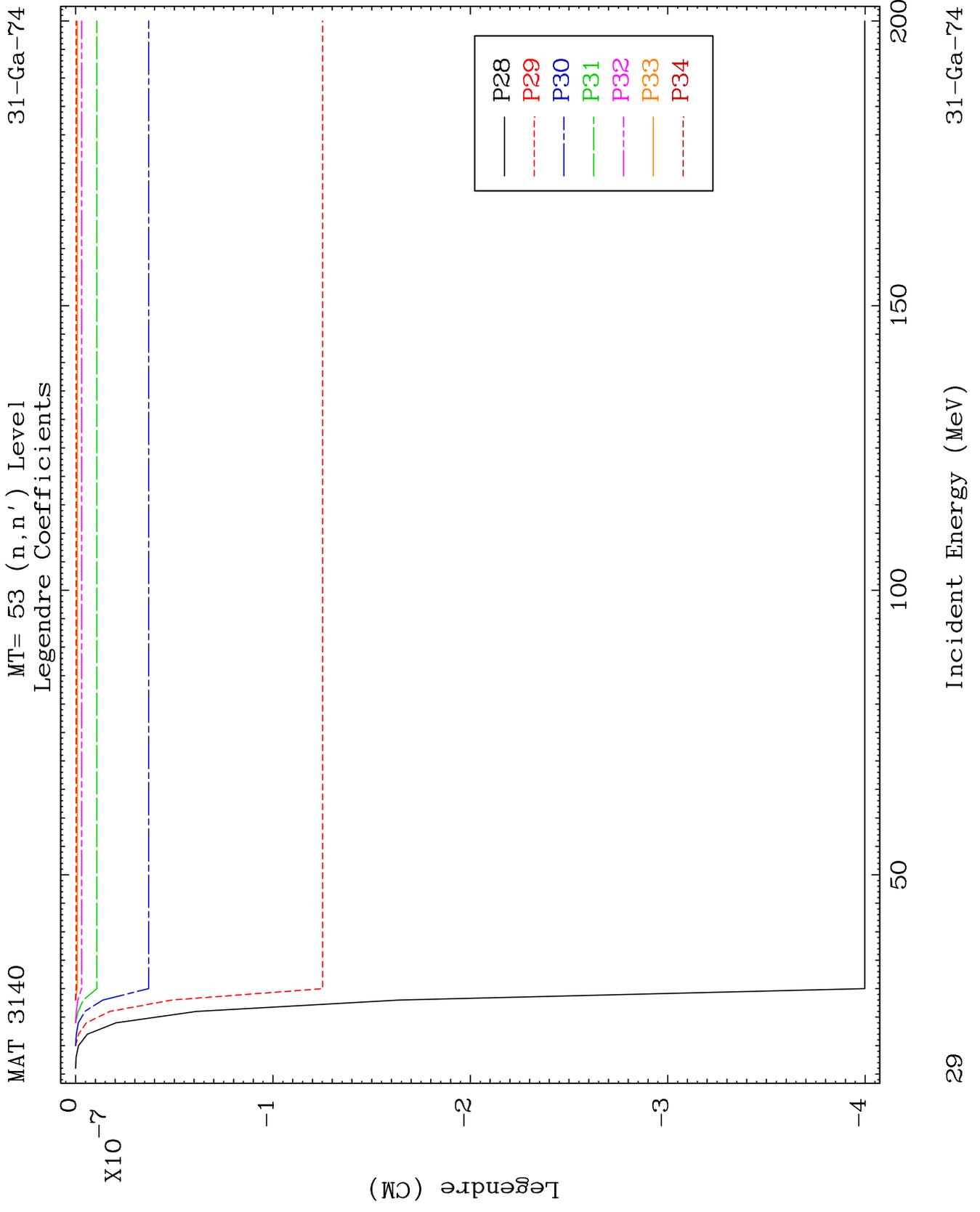


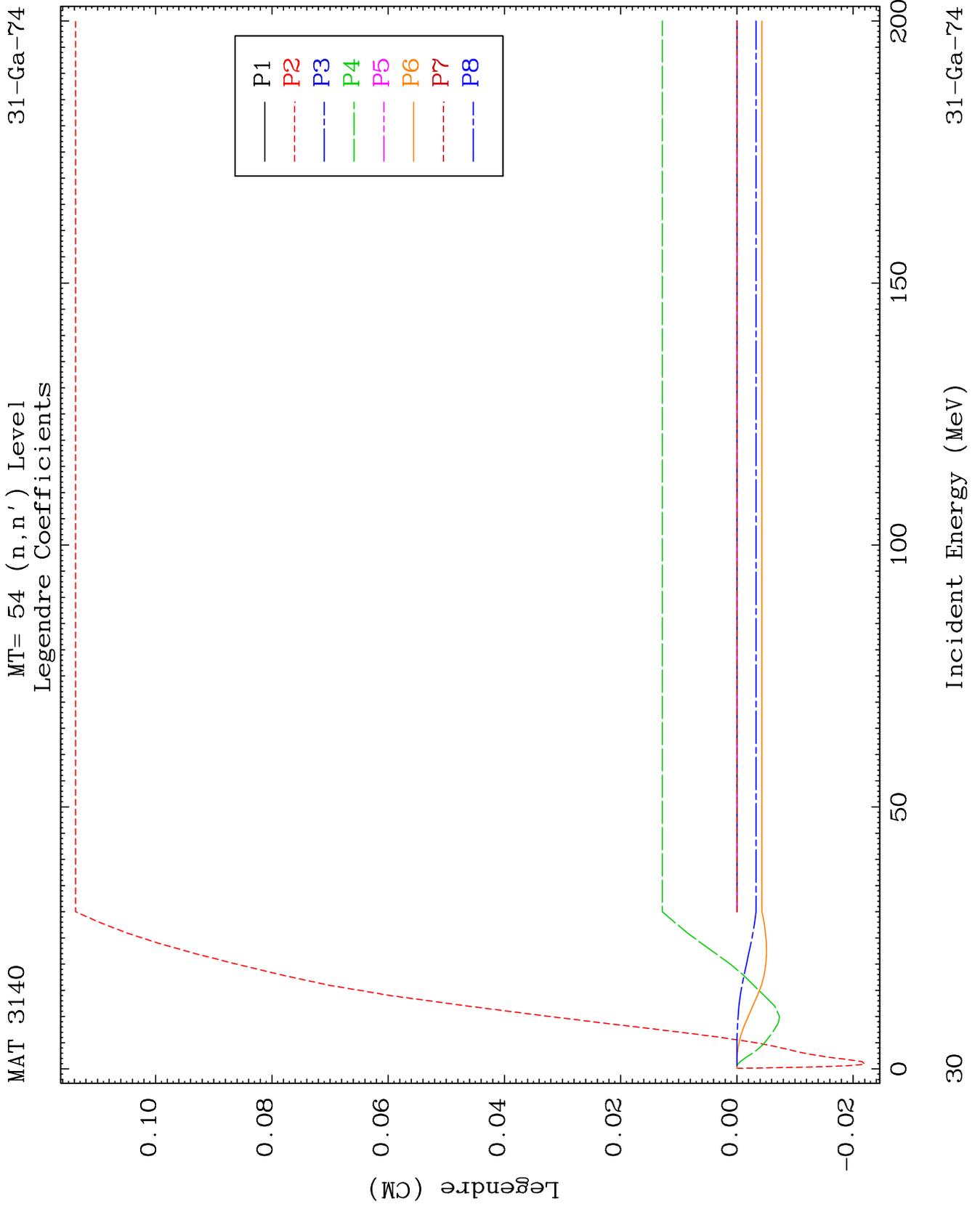
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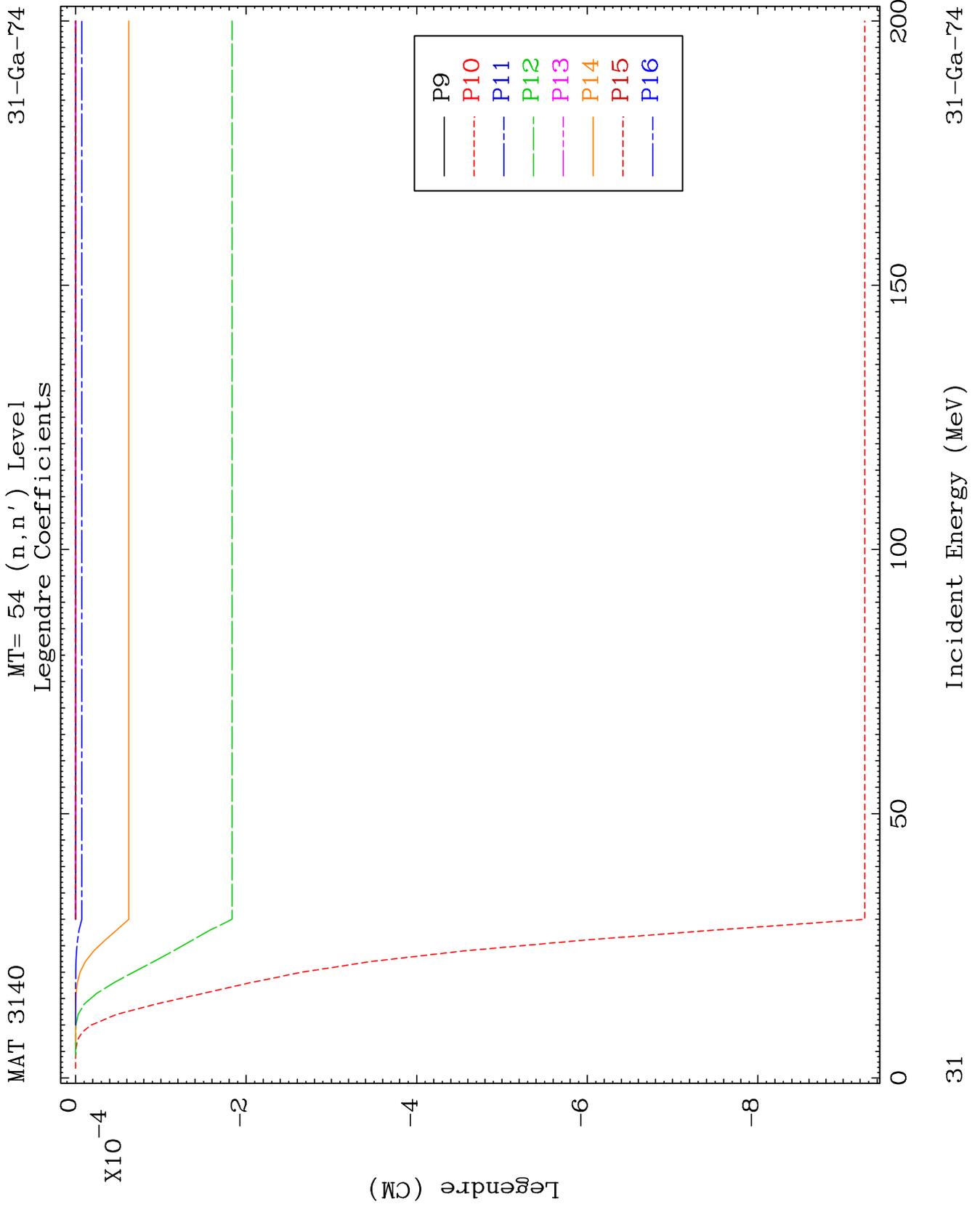
Incident Energy (MeV)

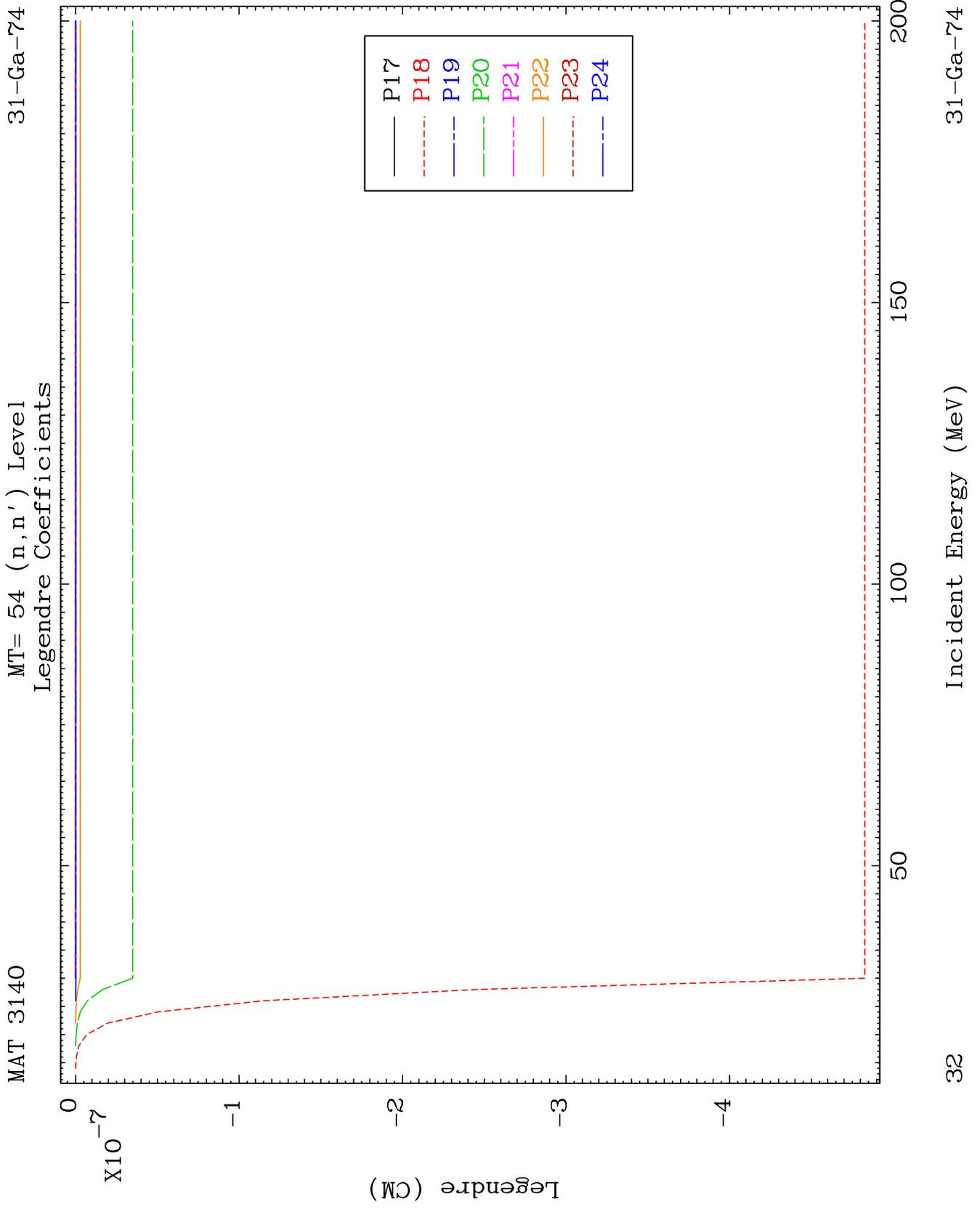
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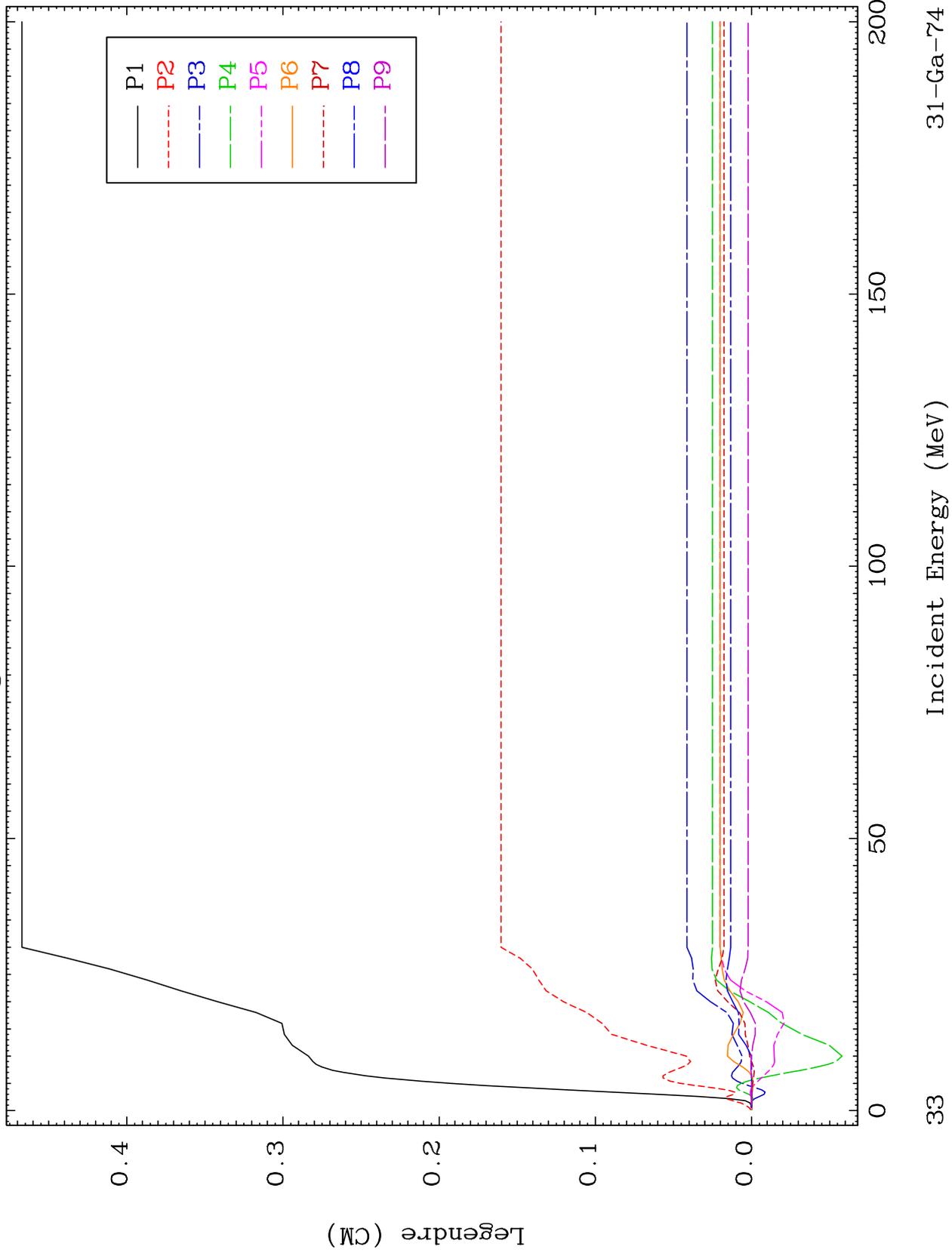




MAT 3140

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

31-Ga-74



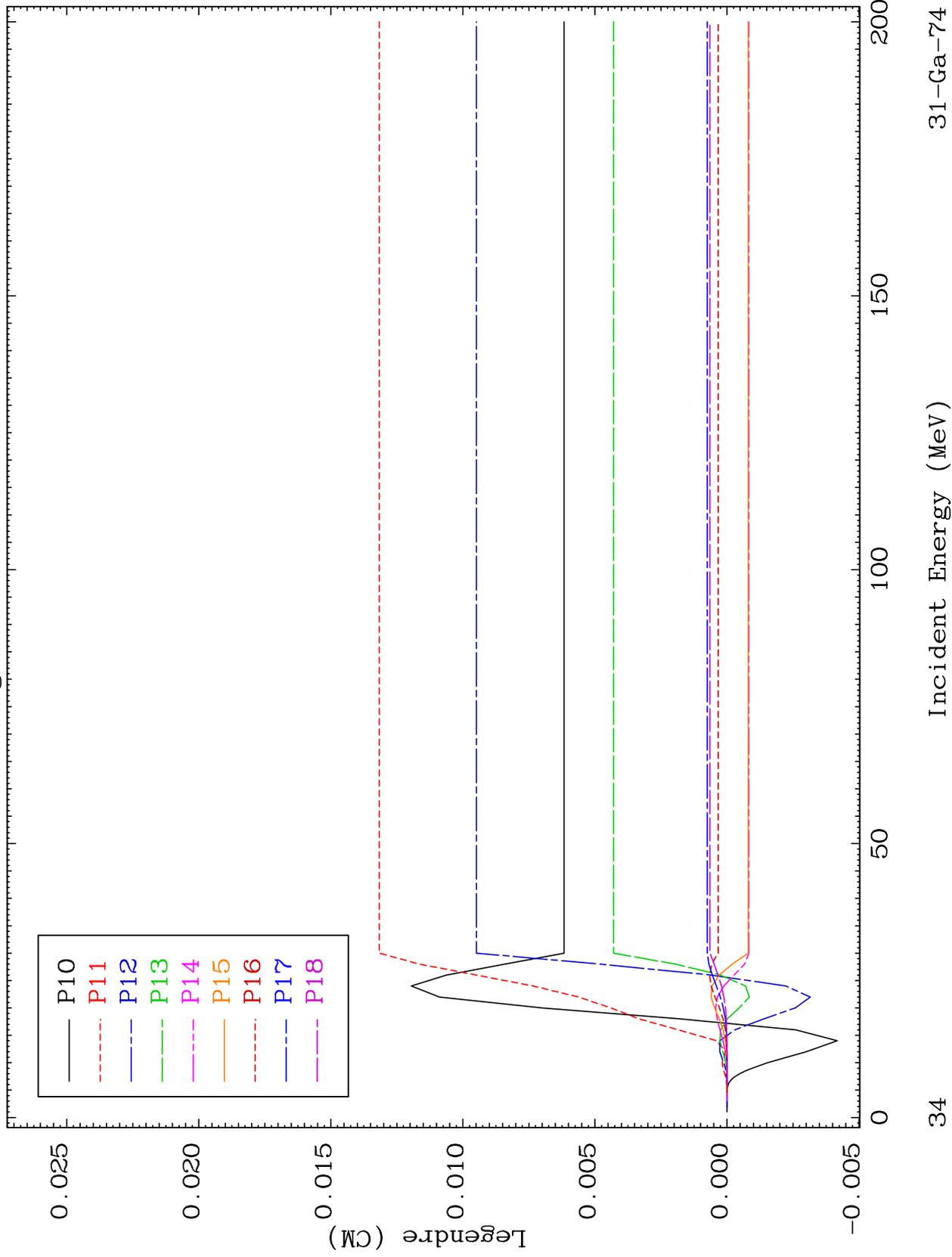
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31-Ga-74

MAT 3140

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

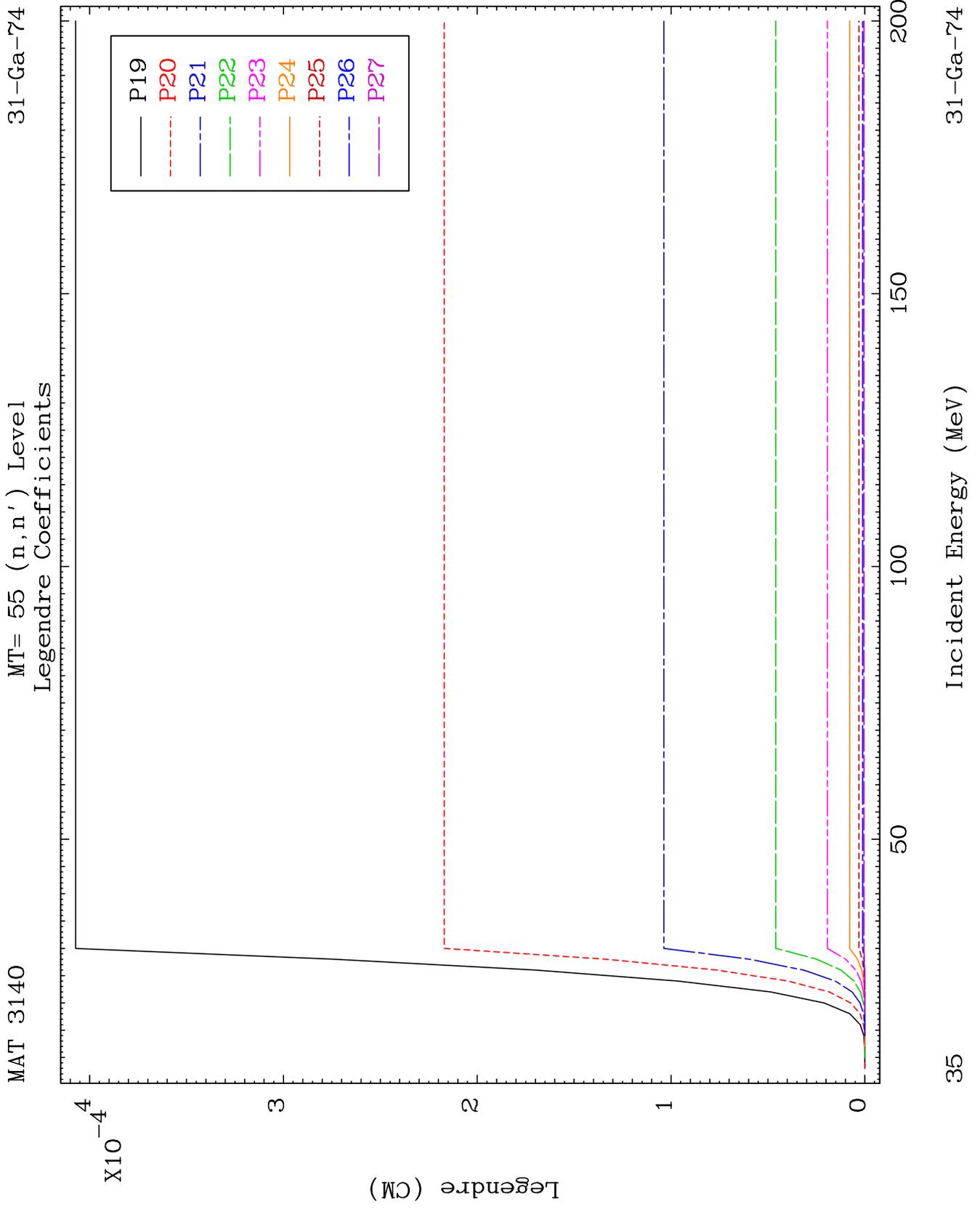
31-Ga-74



34

Incident Energy (MeV)

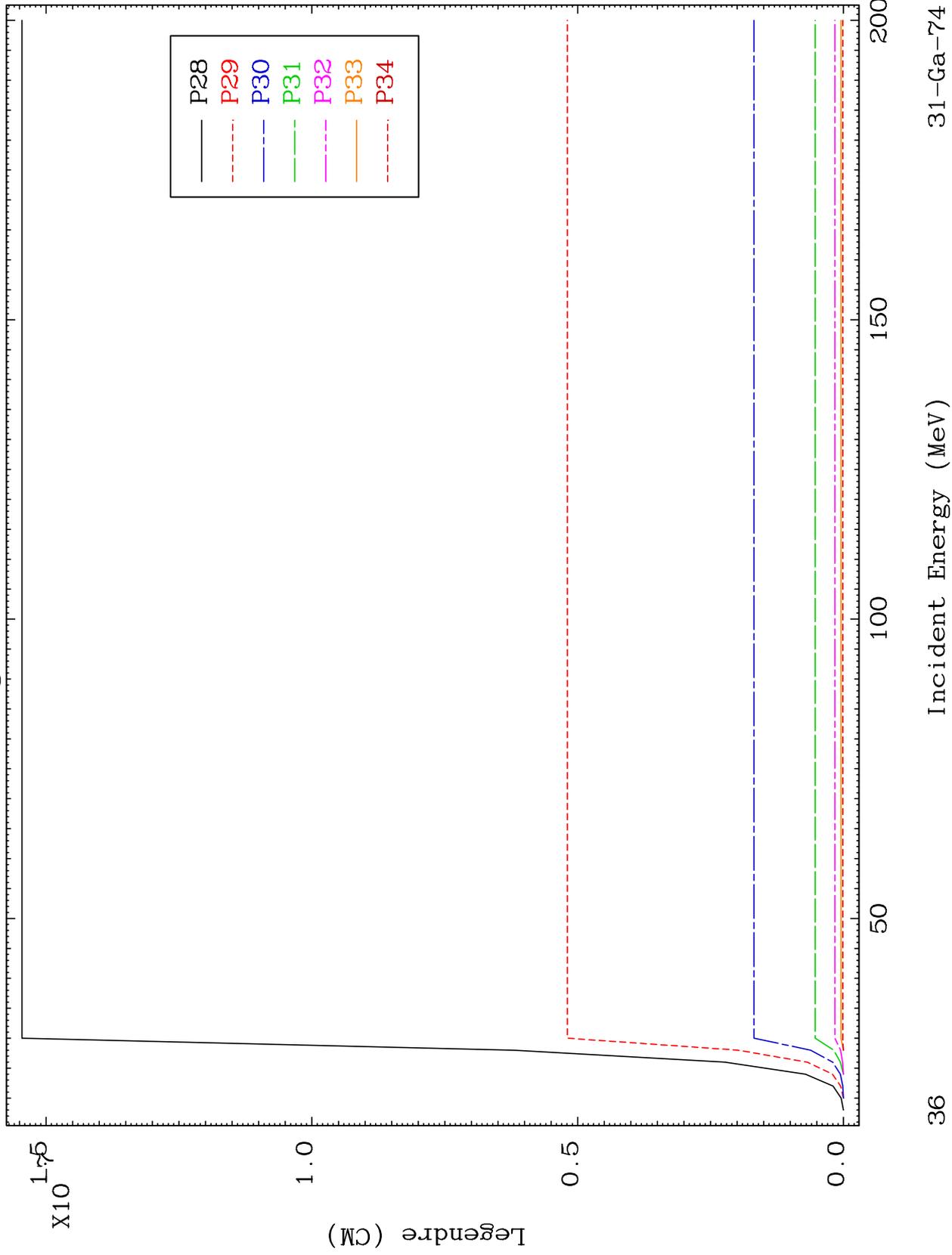
31-Ga-74



MAT 3140

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

31-Ga-74



36

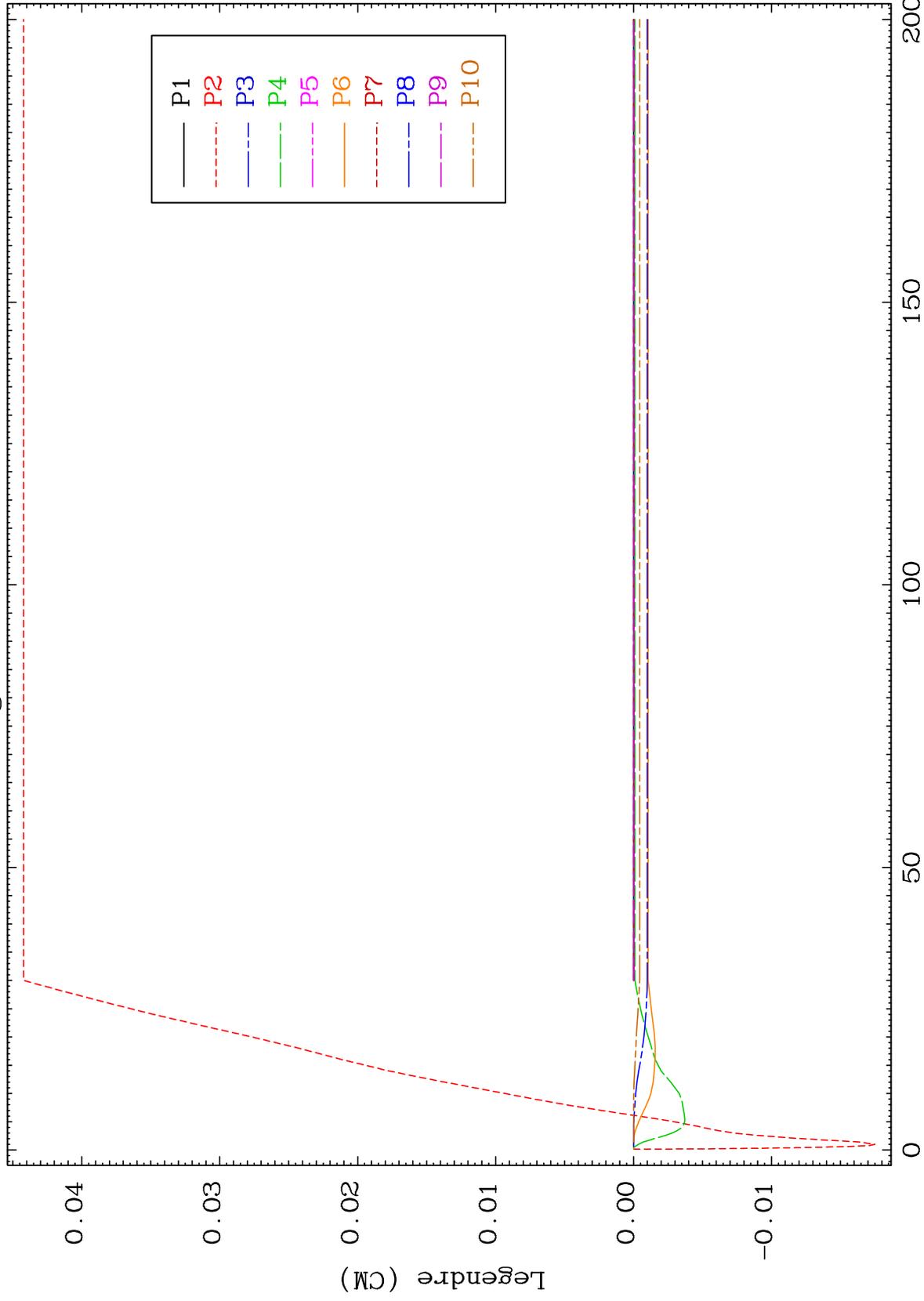
Incident Energy (MeV)

31-Ga-74

MAT 3140

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

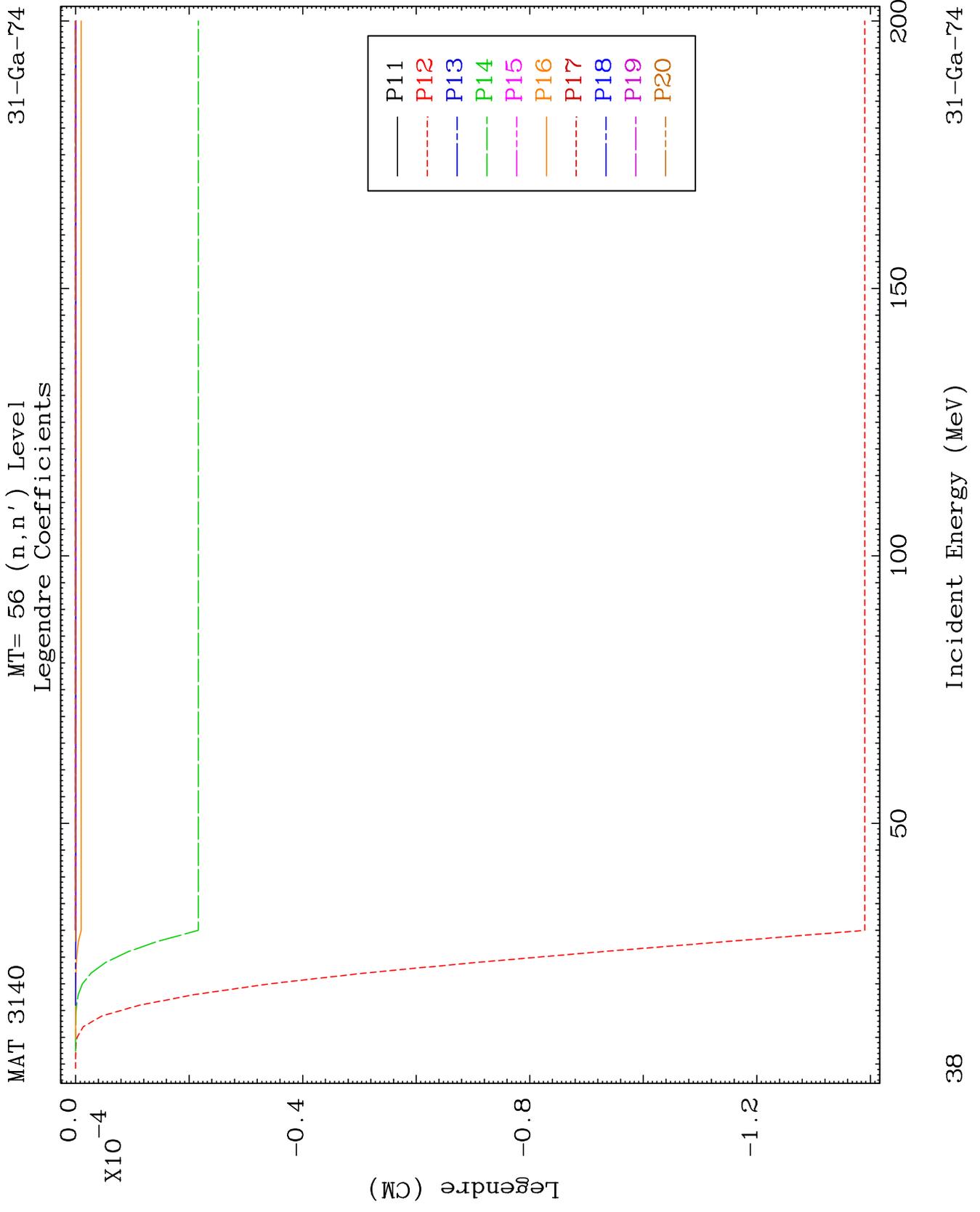
31-Ga-74



37

Incident Energy (MeV)

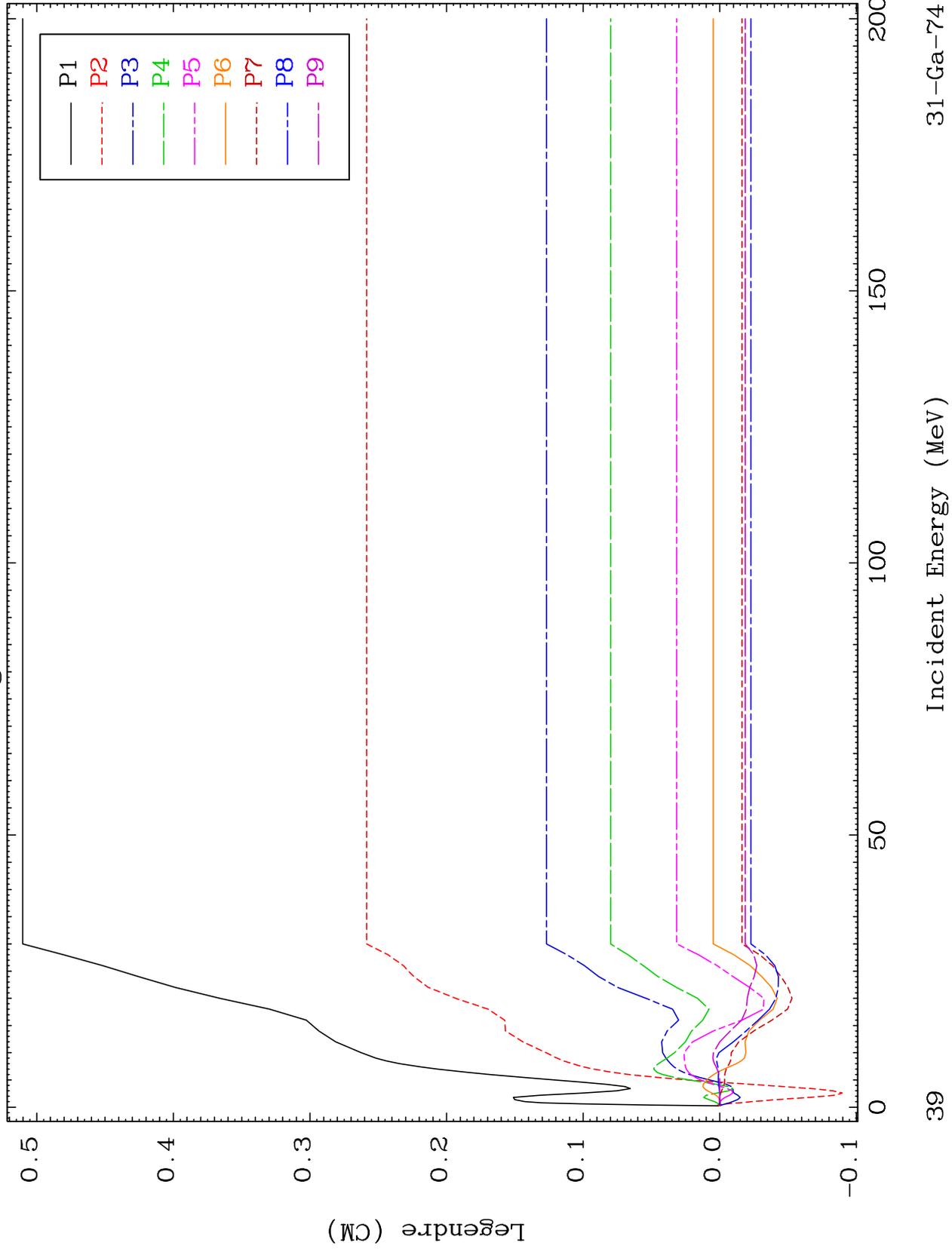
31-Ga-74



MAT 3140

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

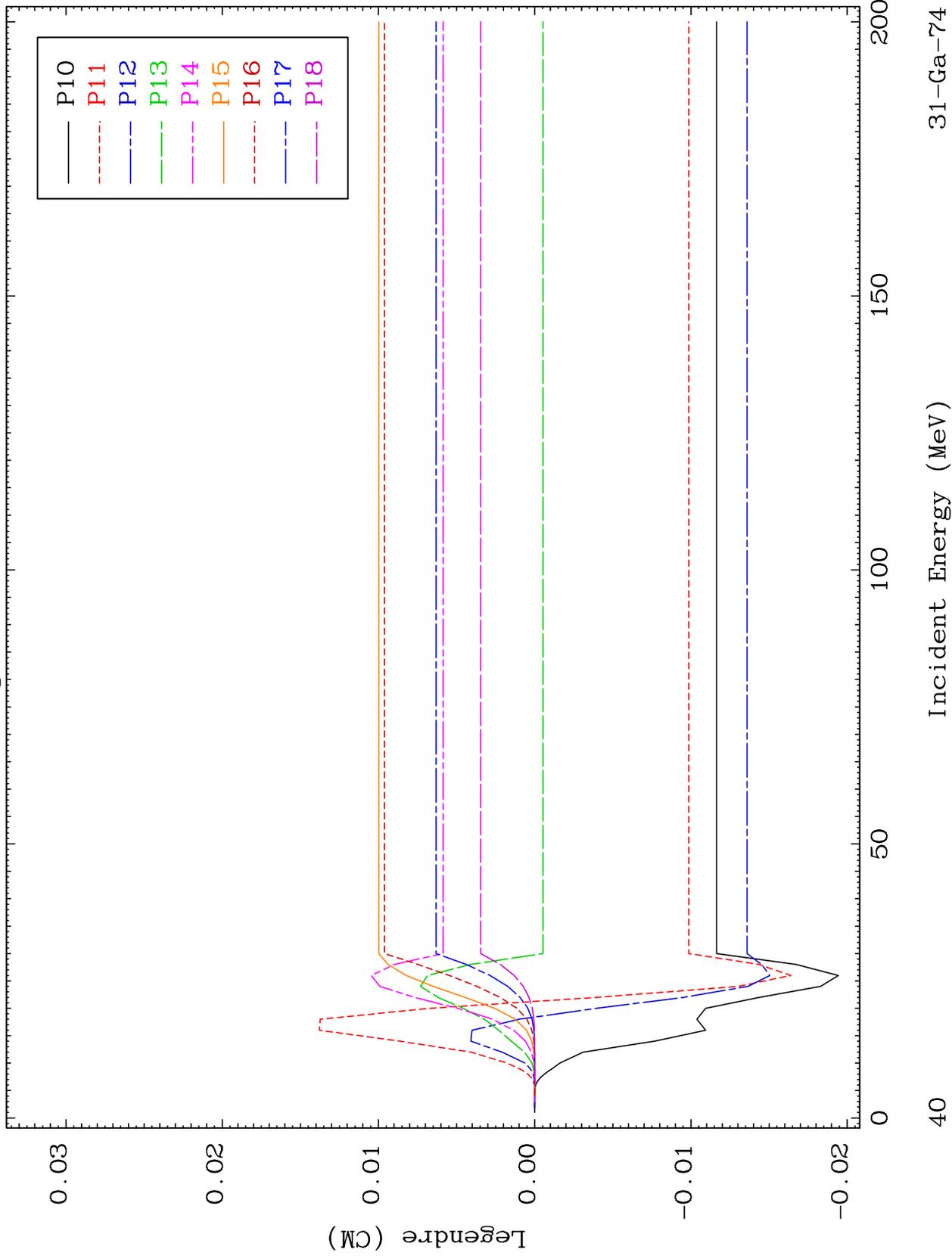
31-Ga-74



MAT 3140

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

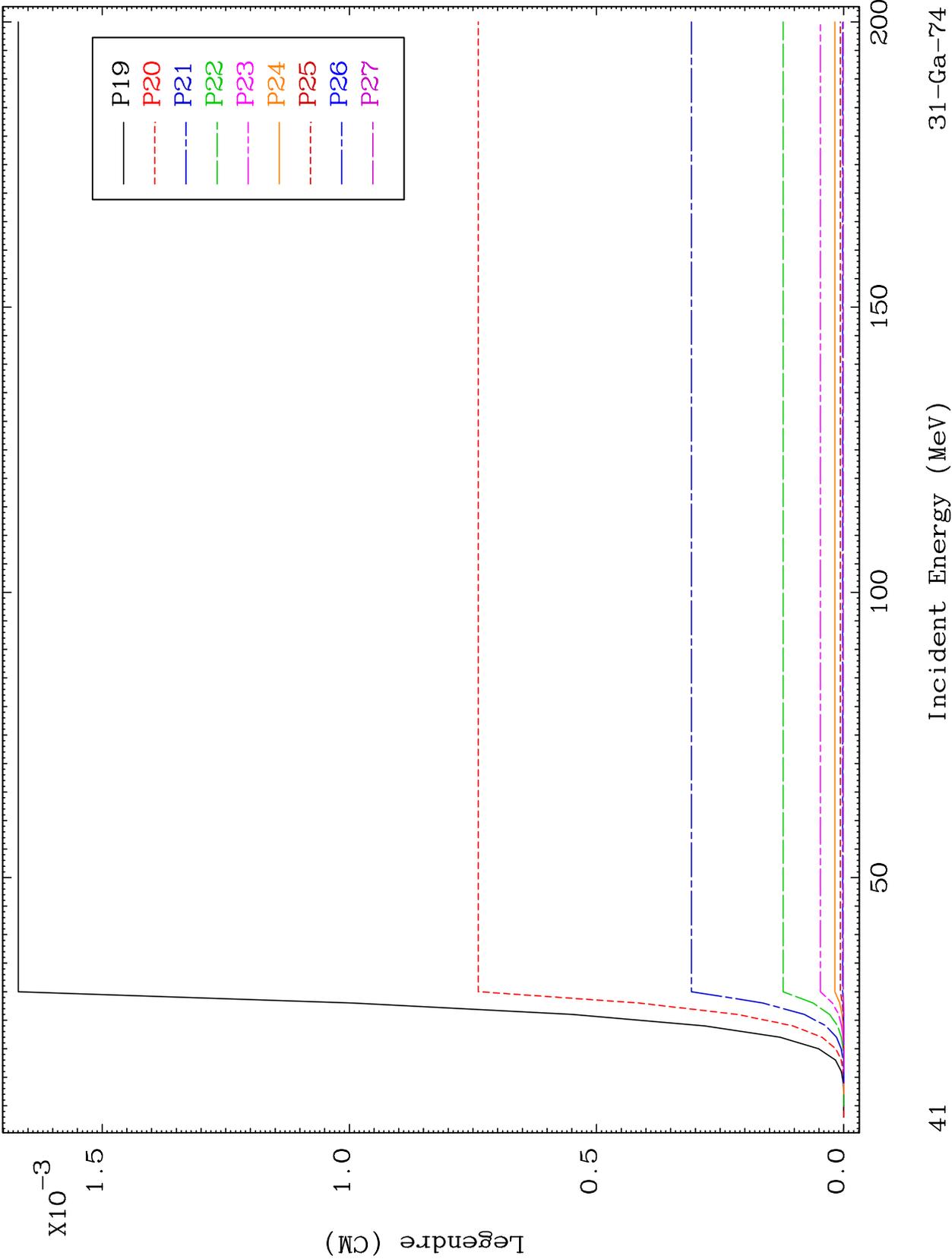
³¹Ga-74



MAT 3140

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

31-Ga-74



41

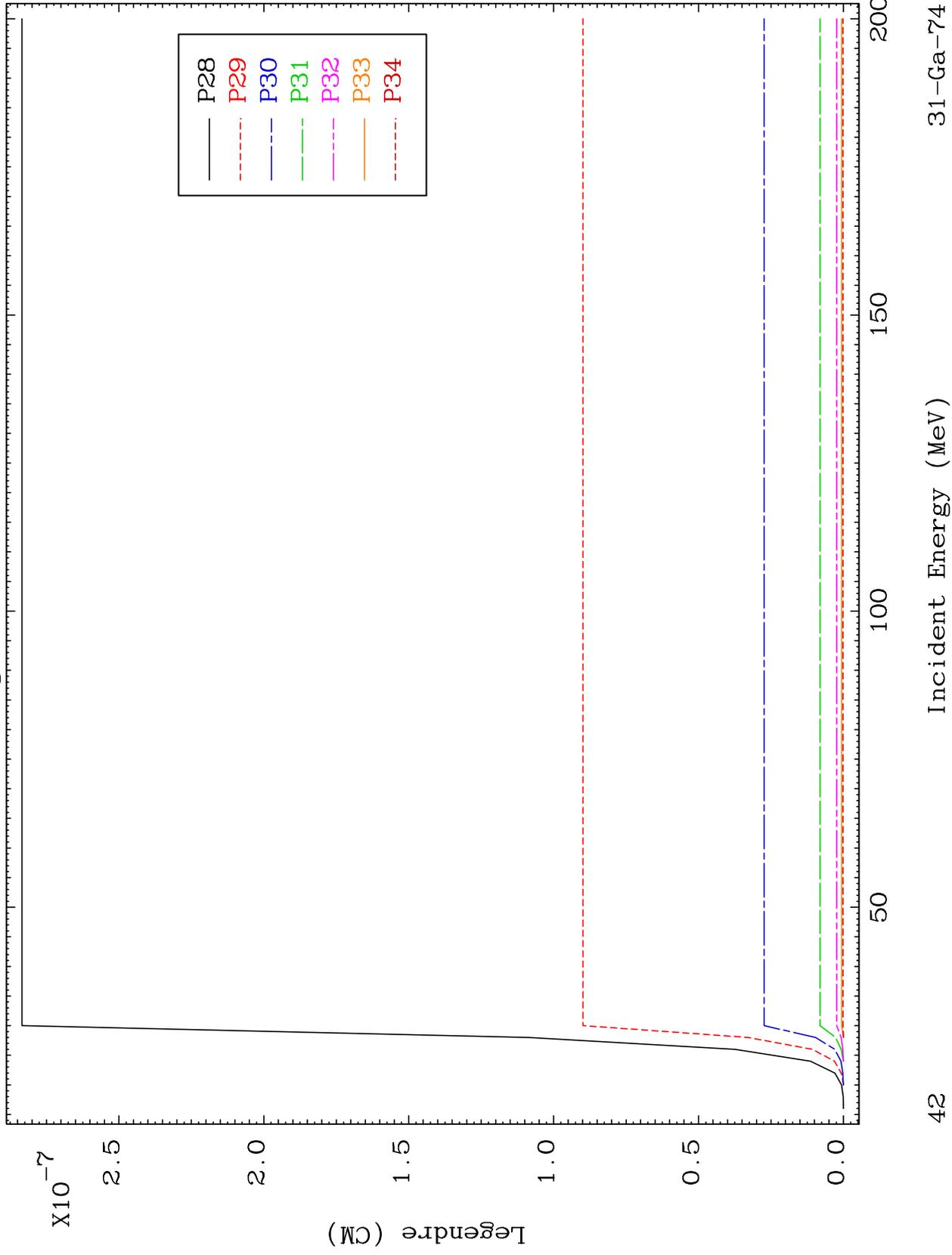
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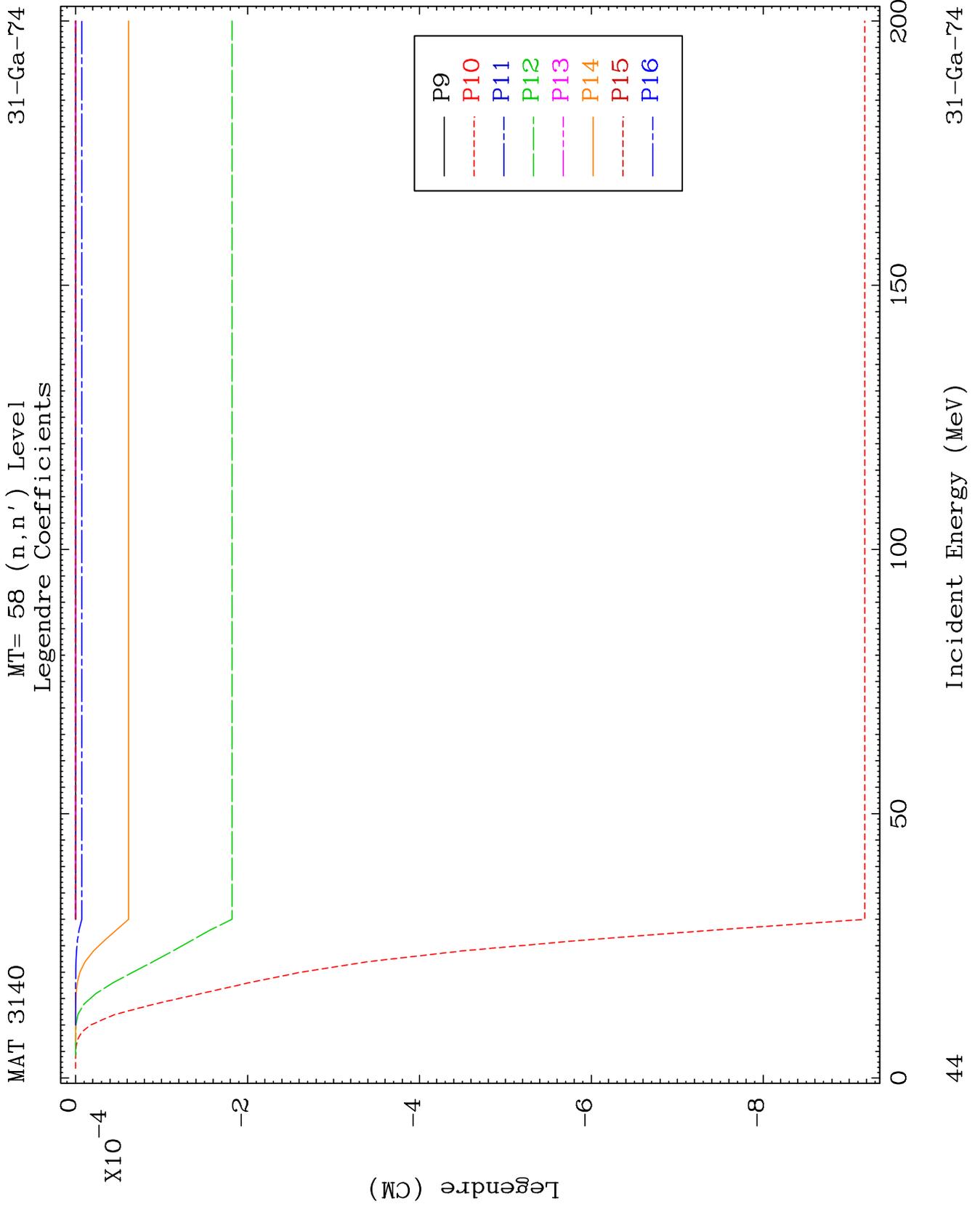
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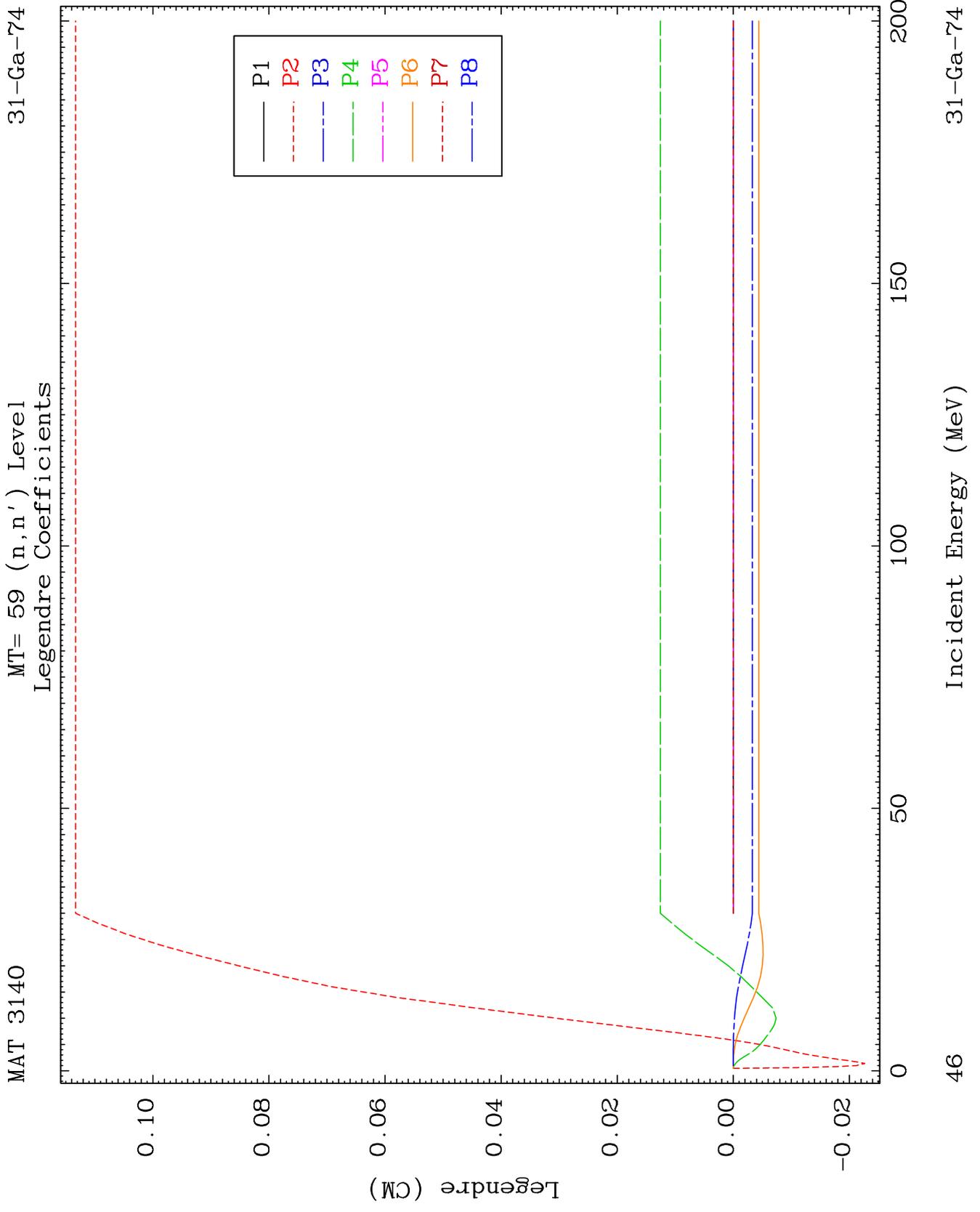
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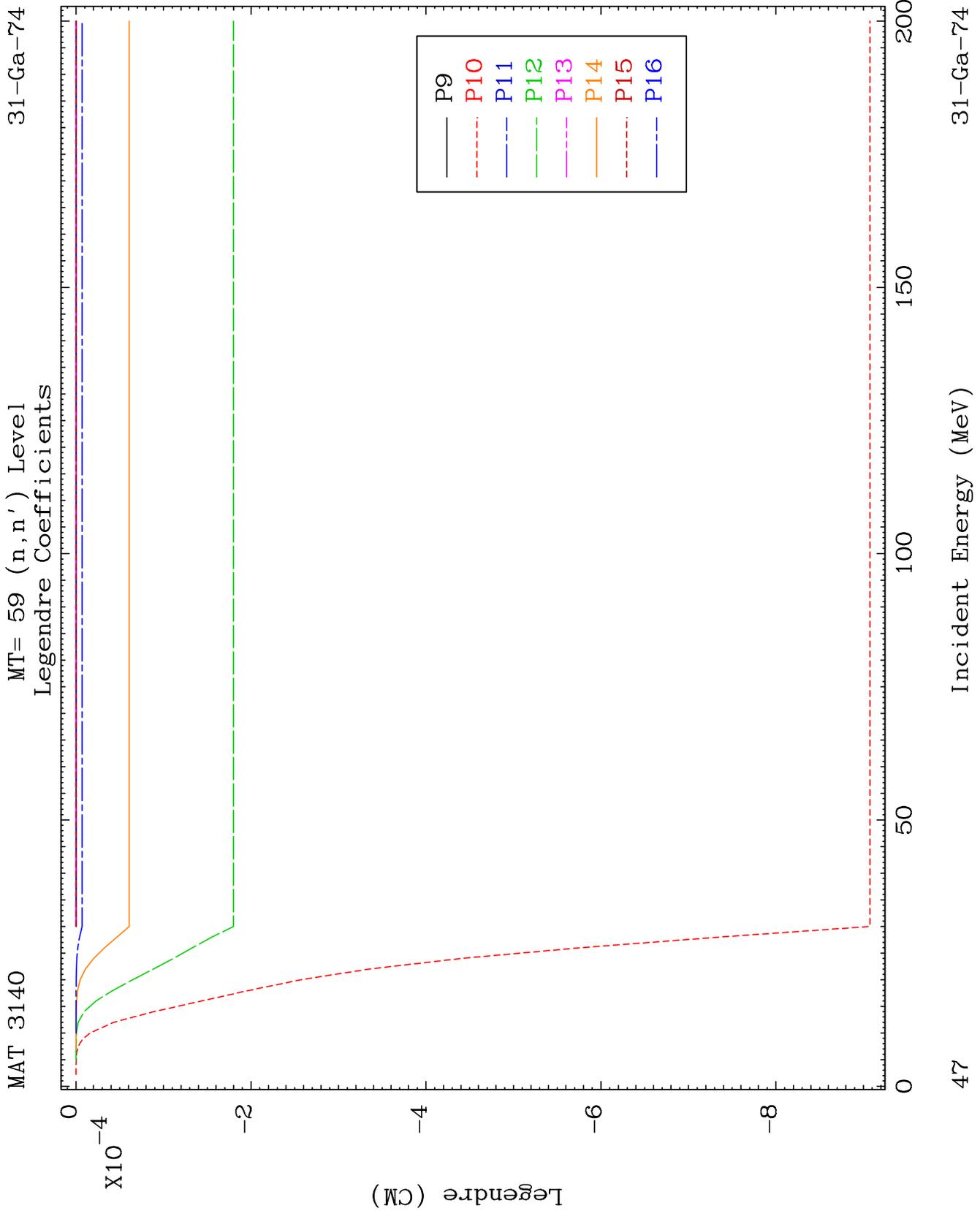
MT= 57 (n,n') Level
Legendre Coefficients

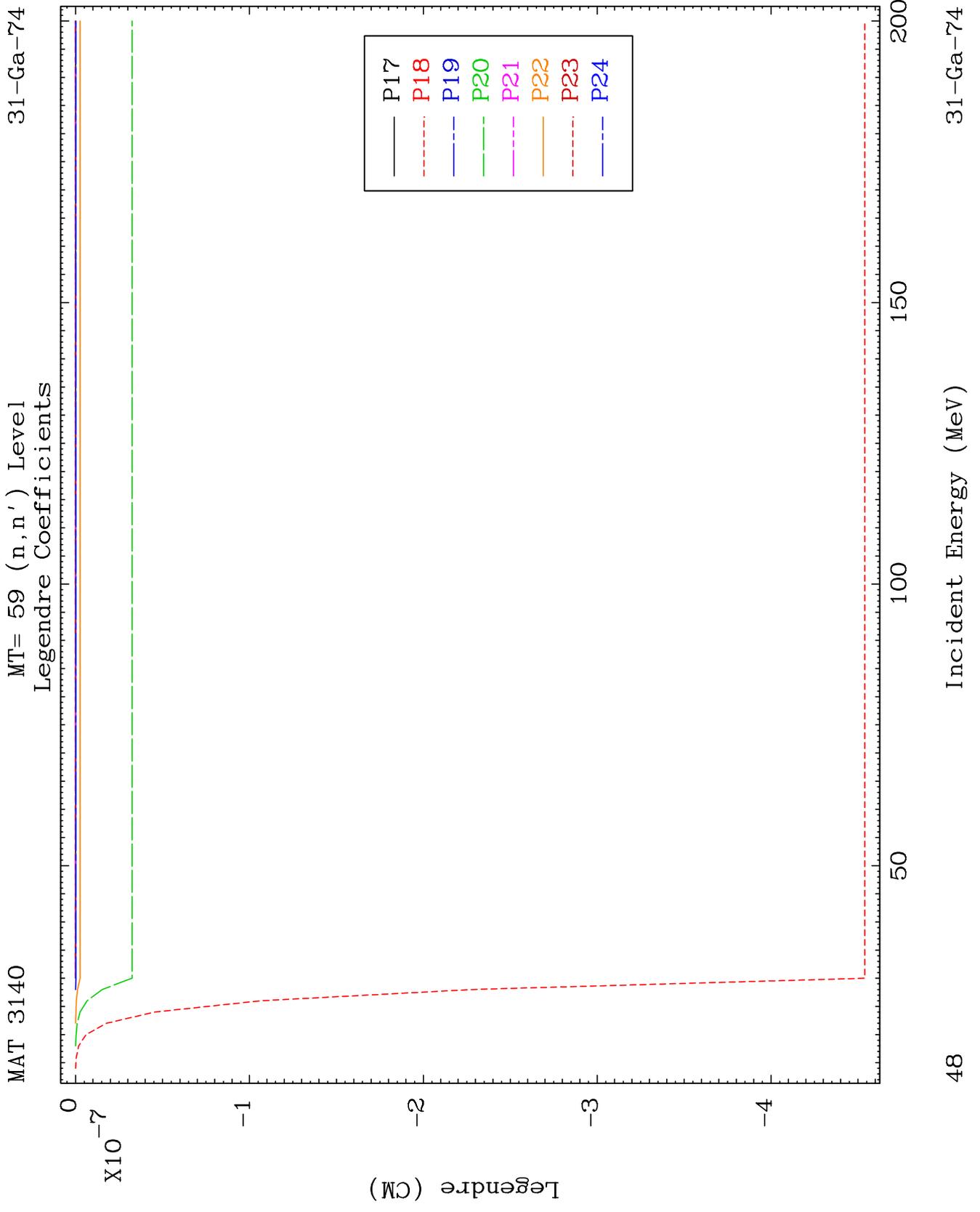
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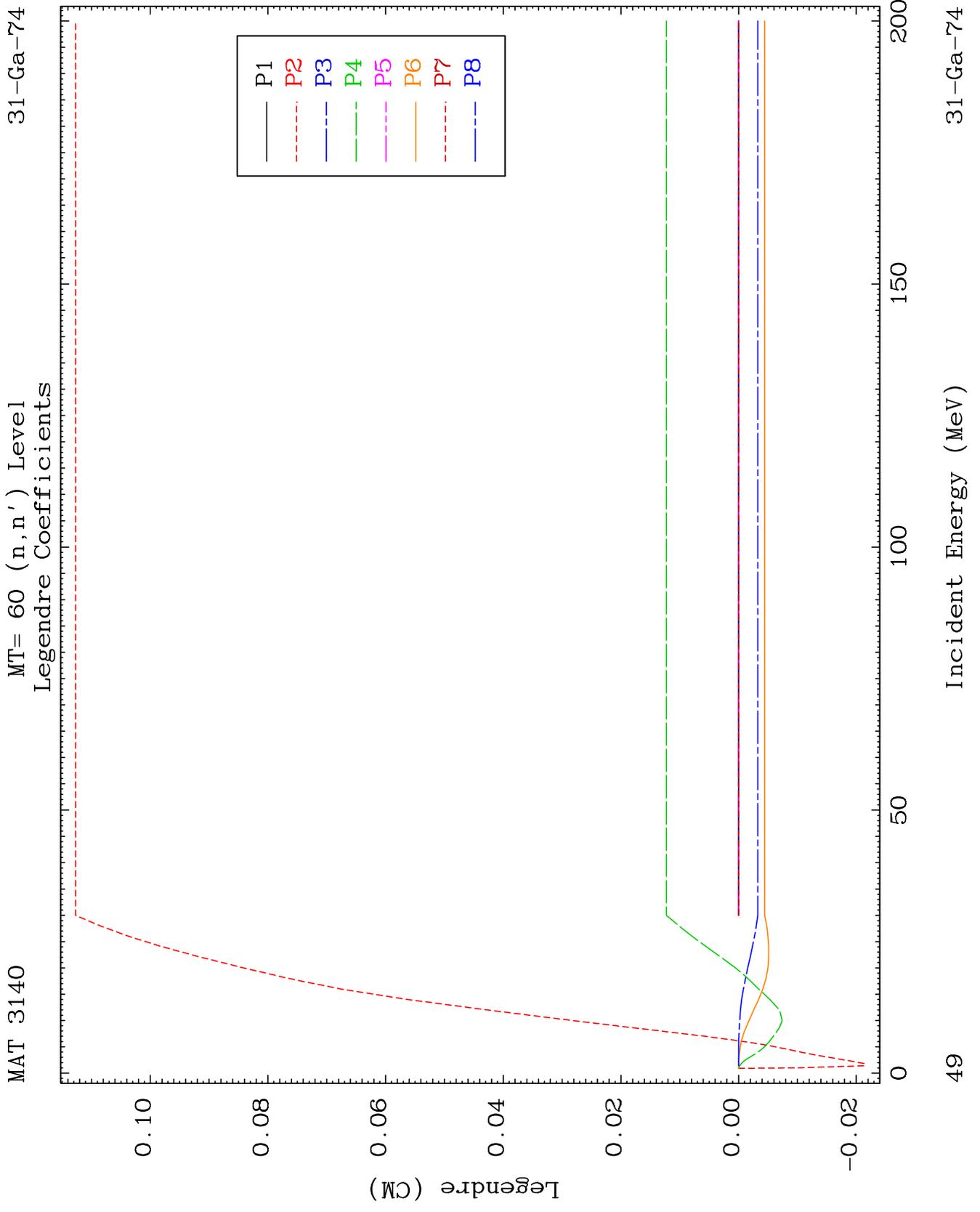


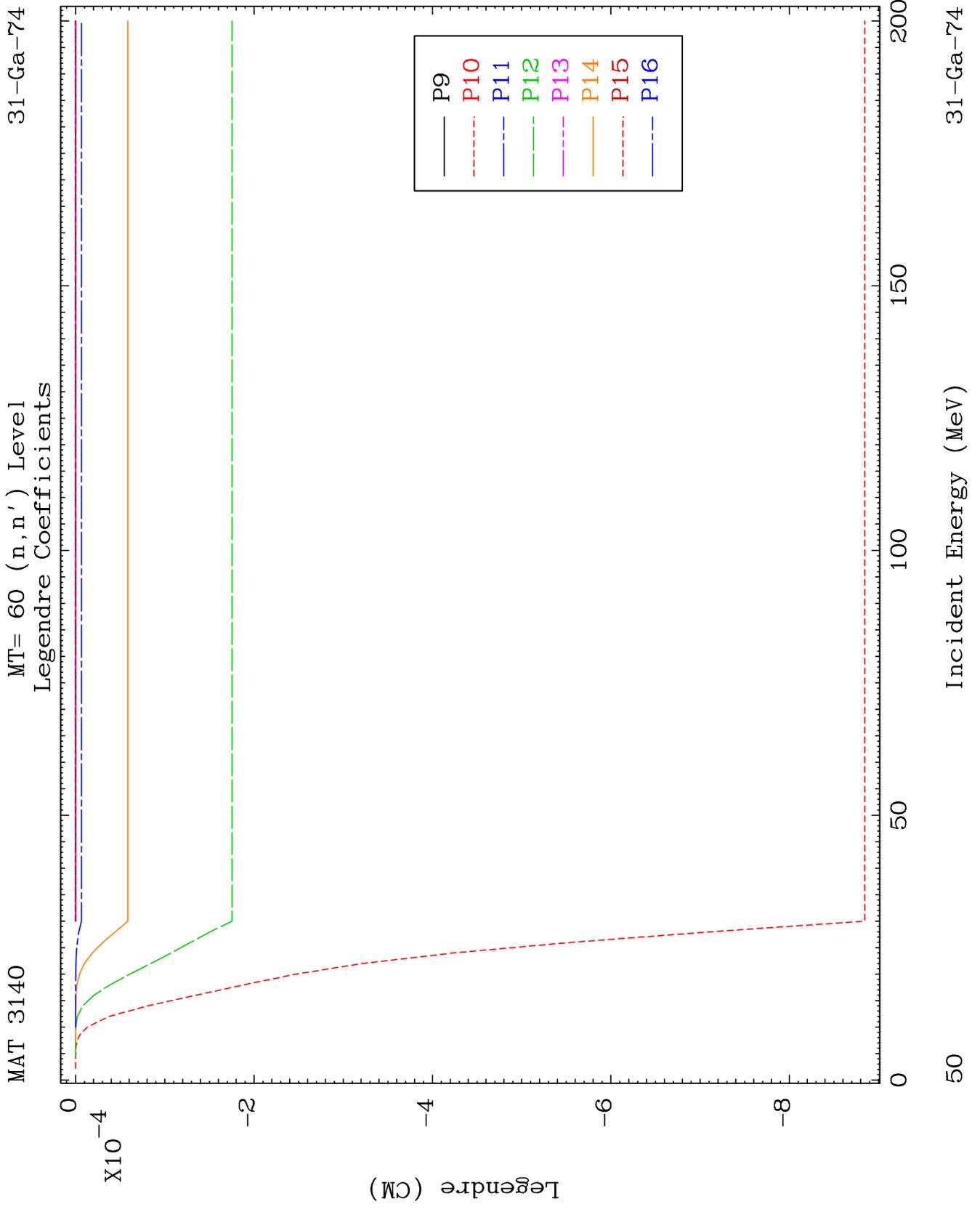


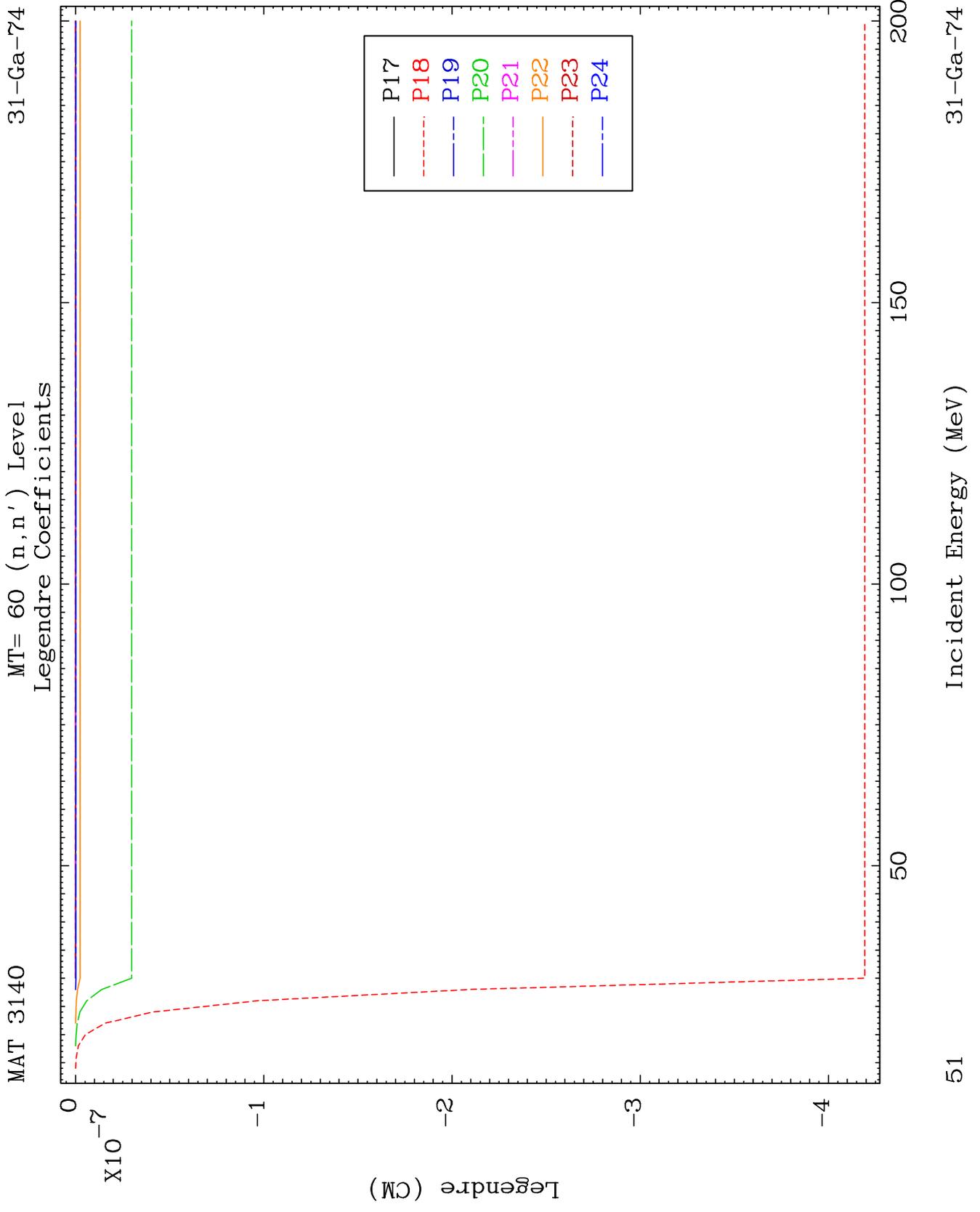


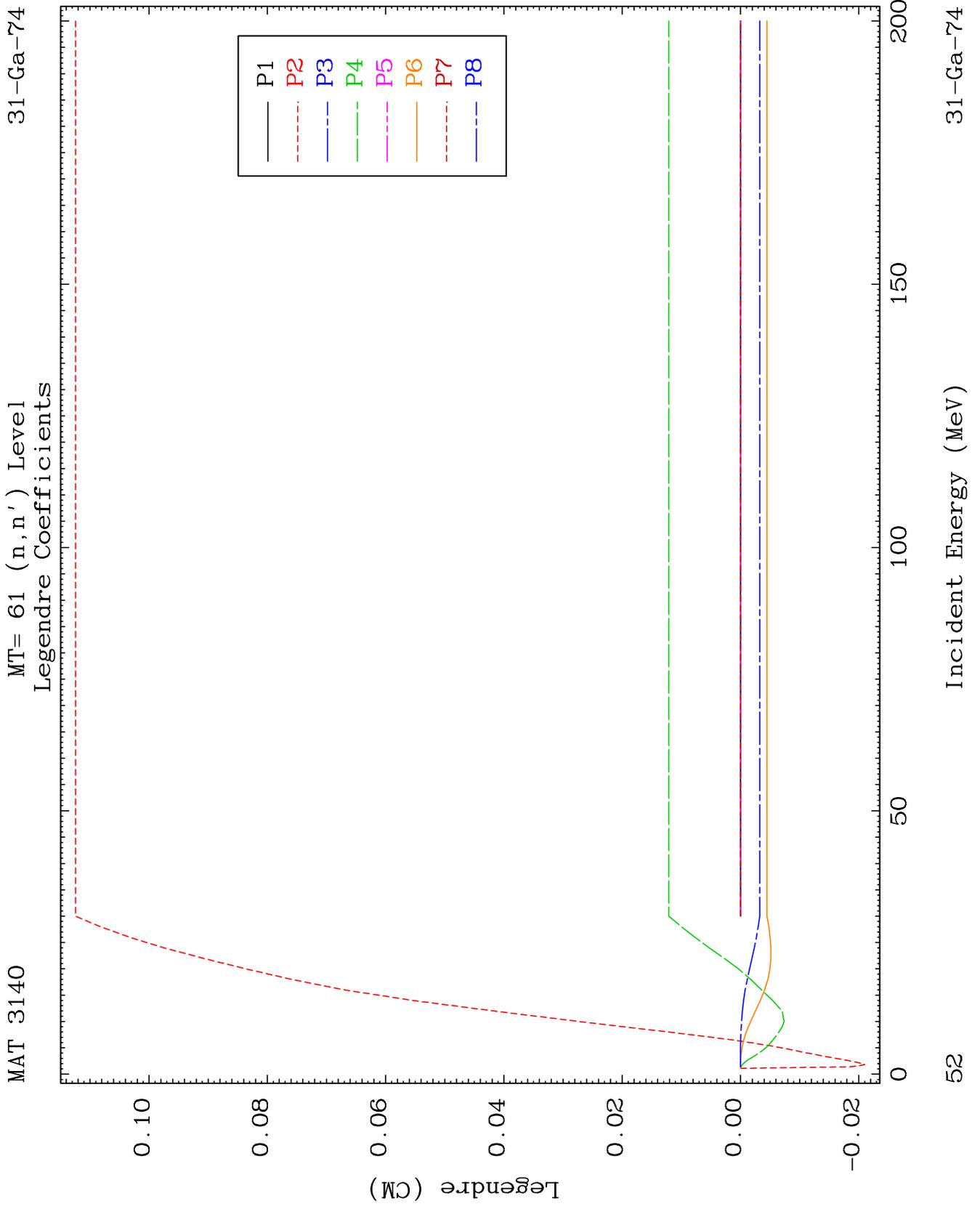


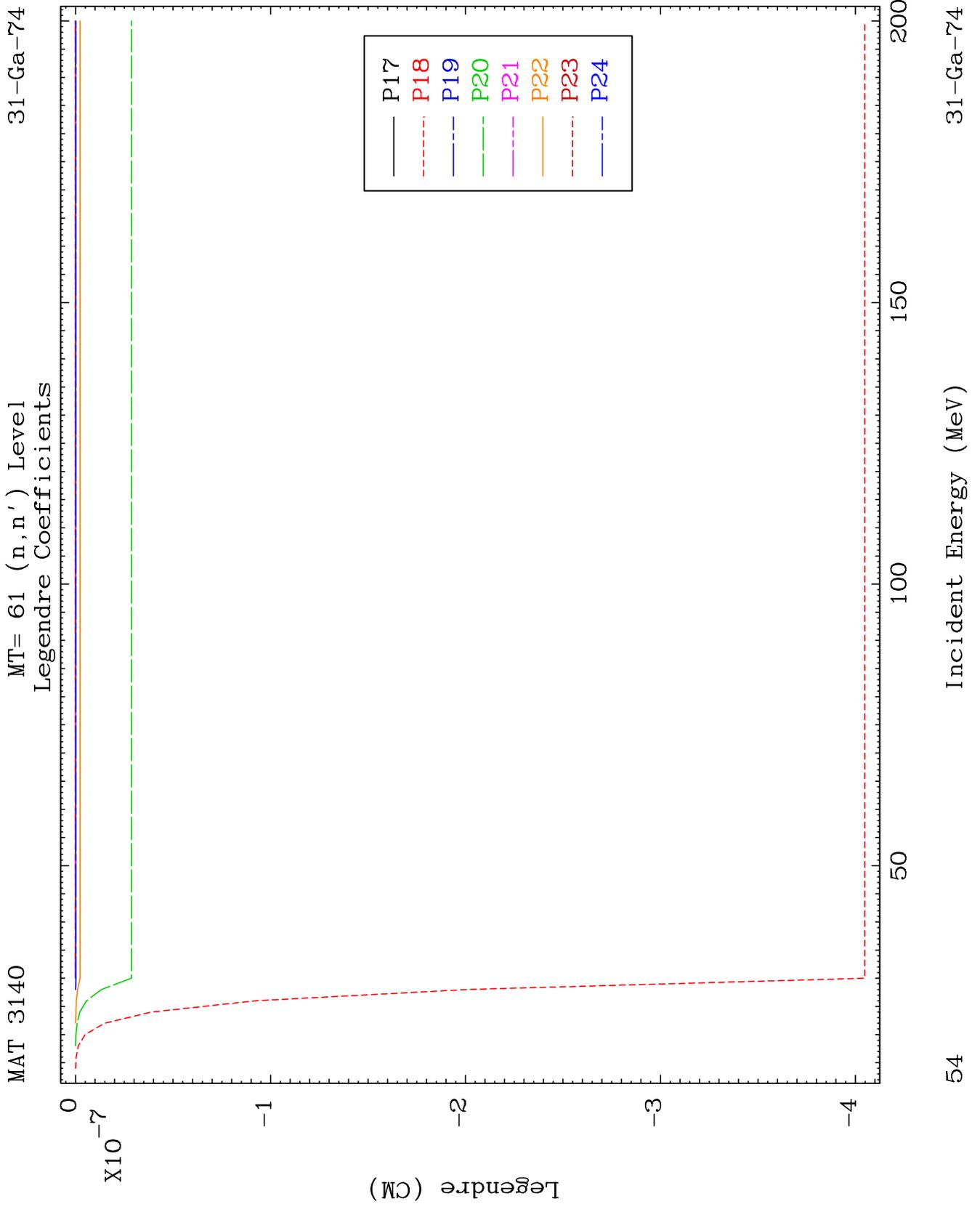


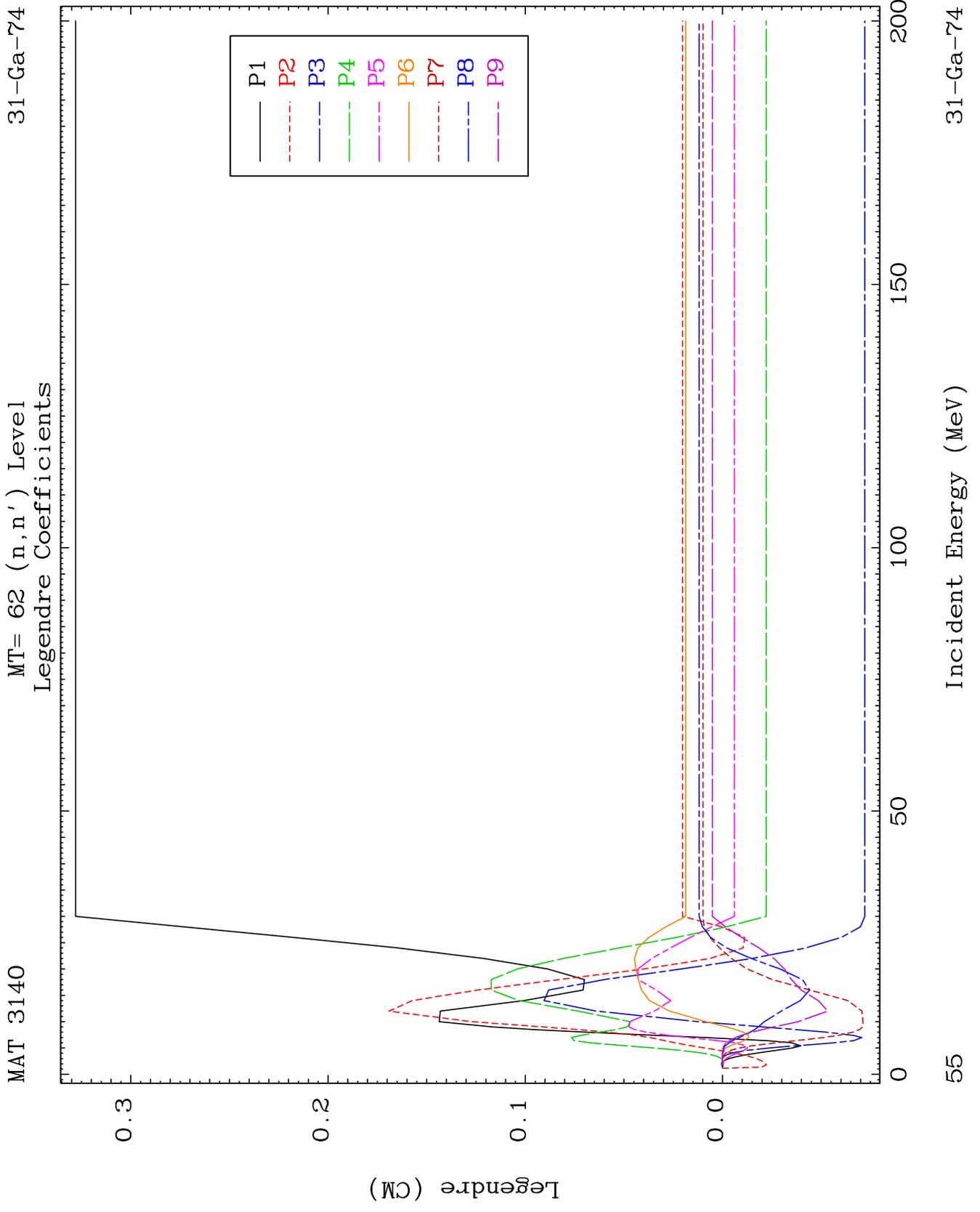


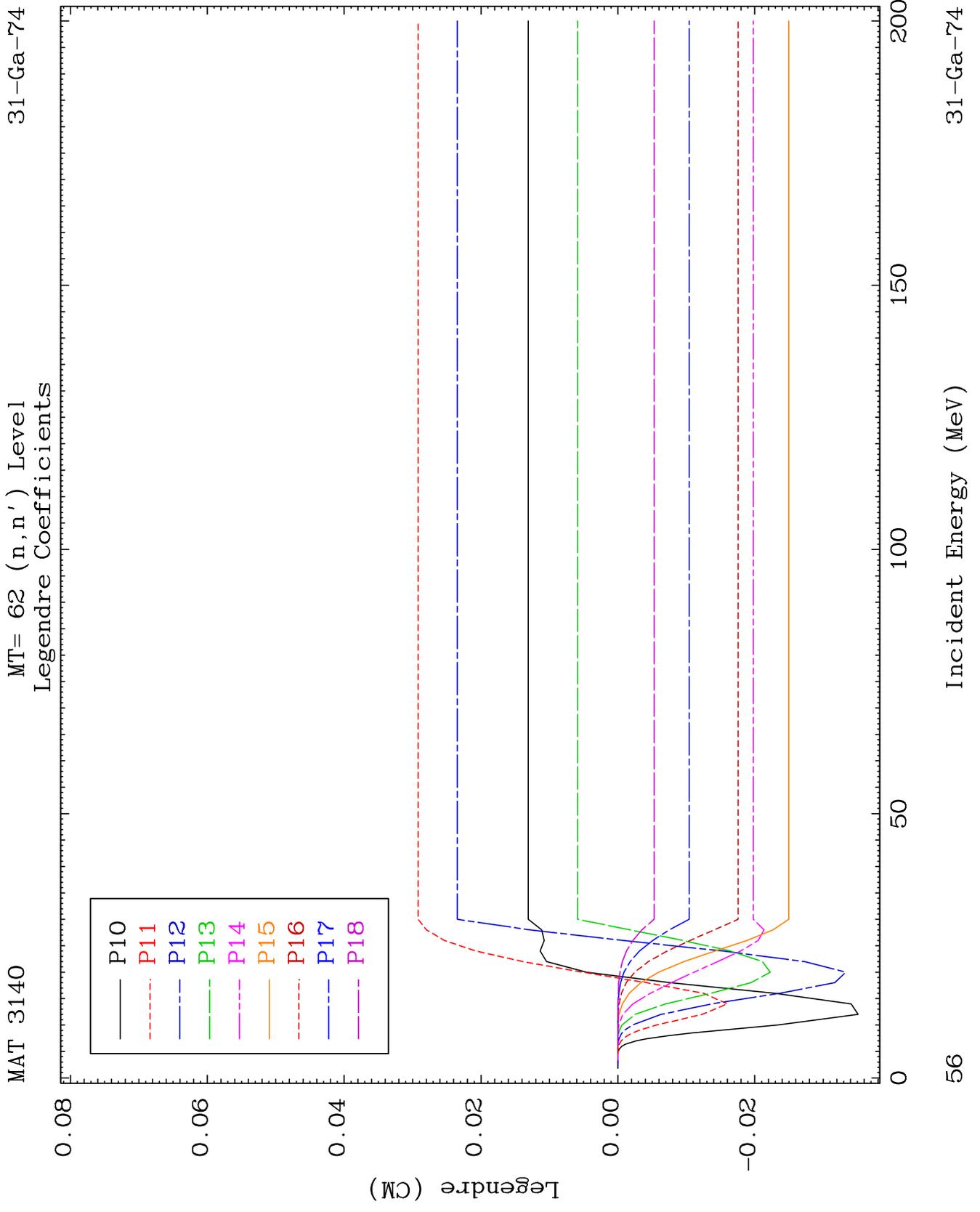


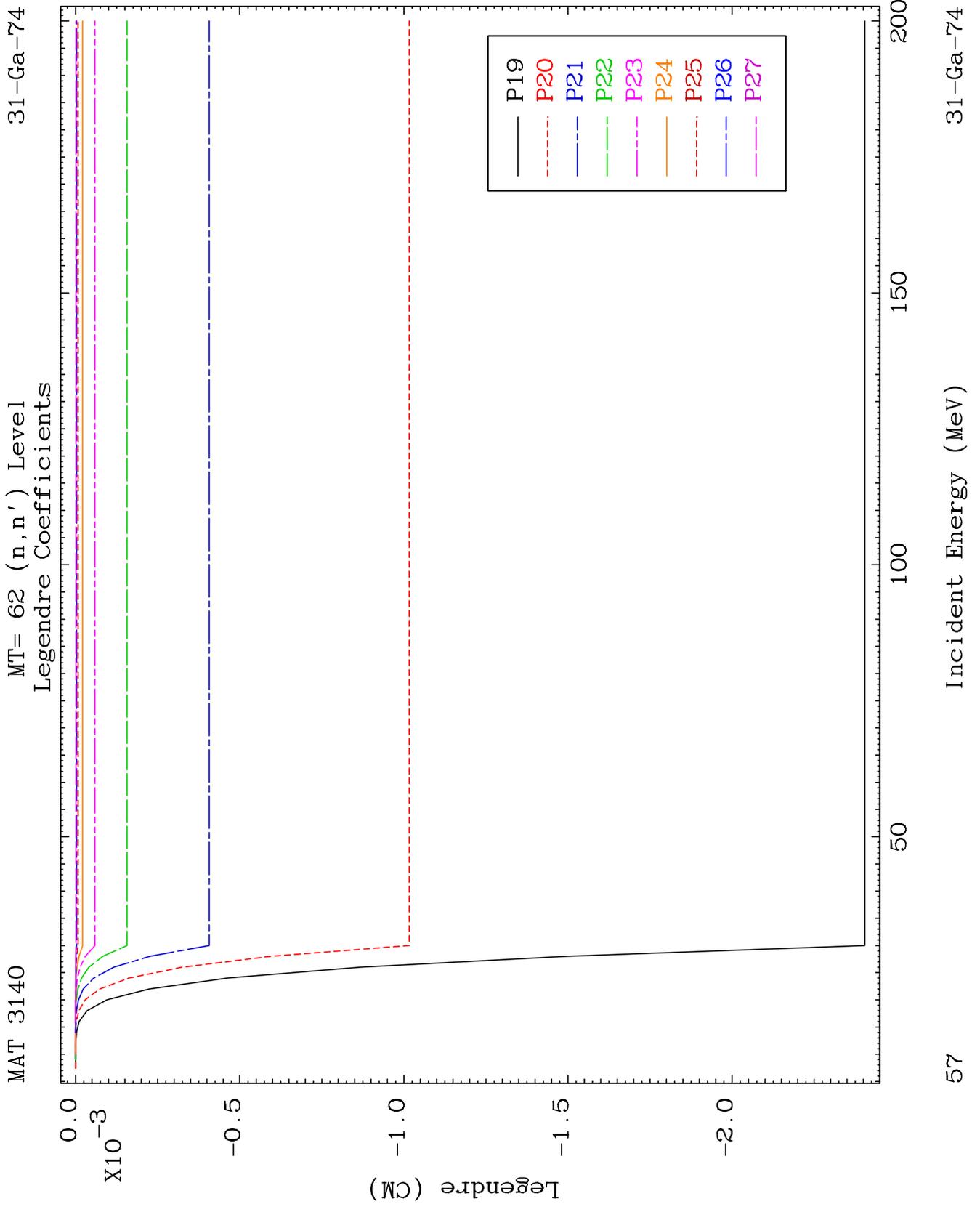


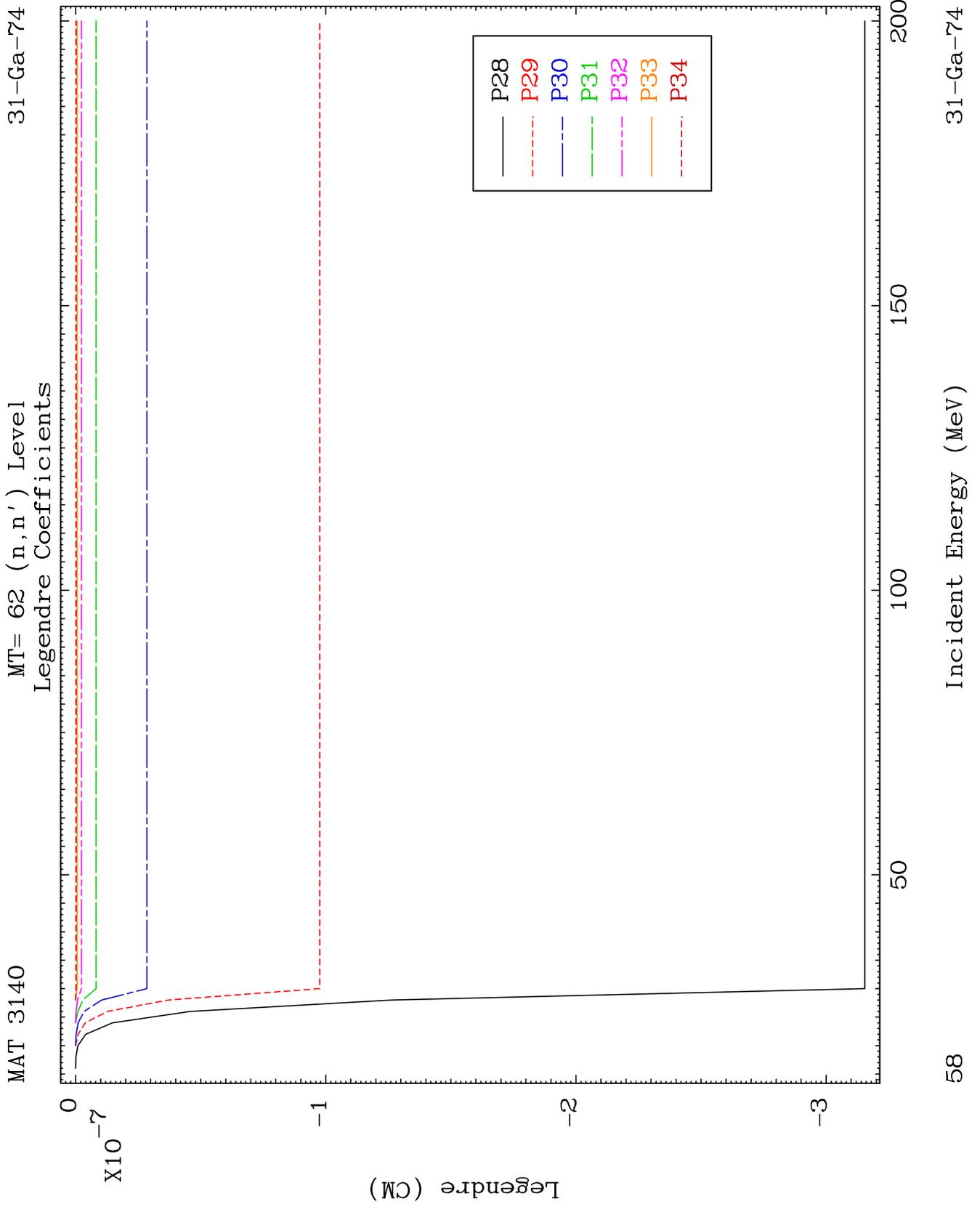








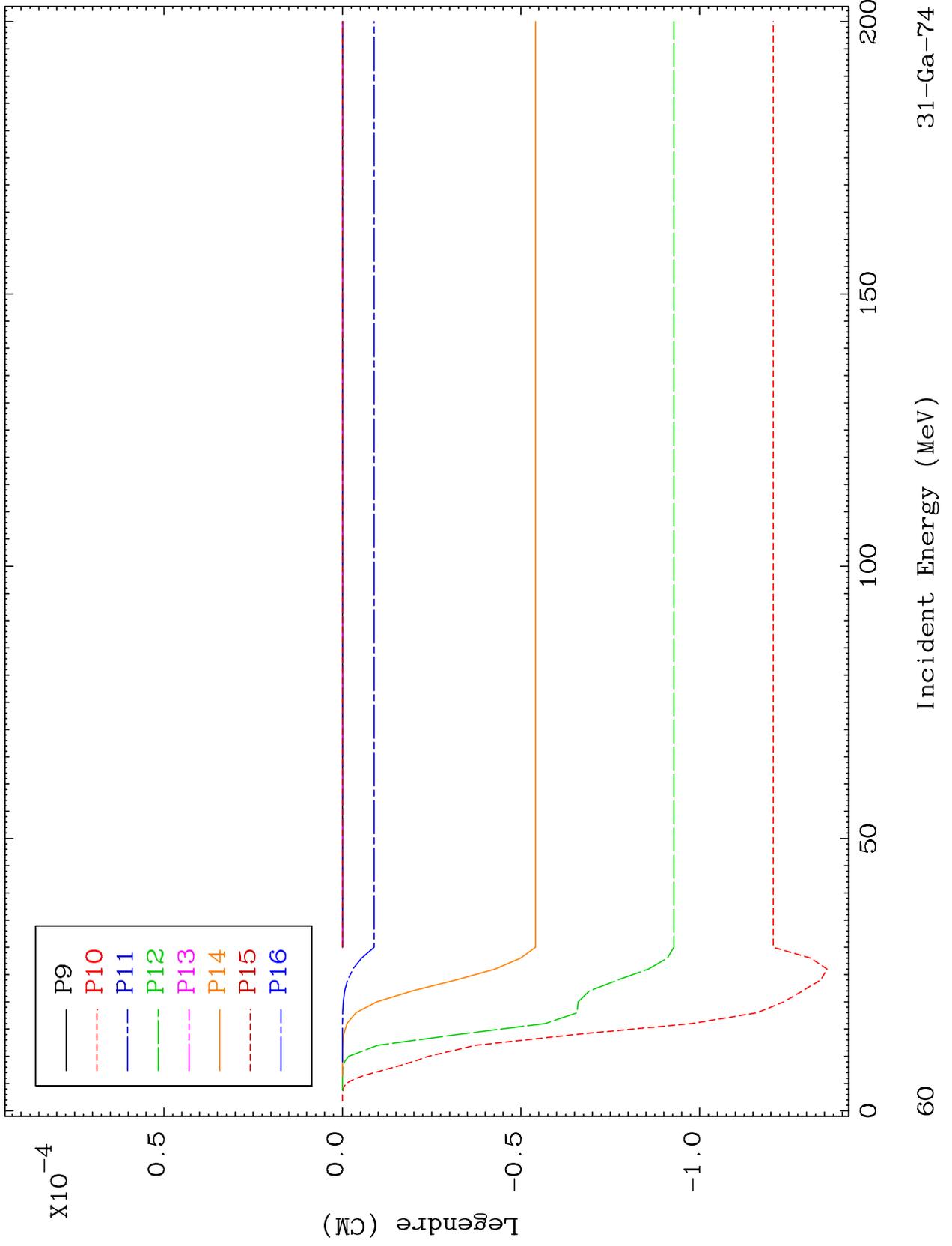




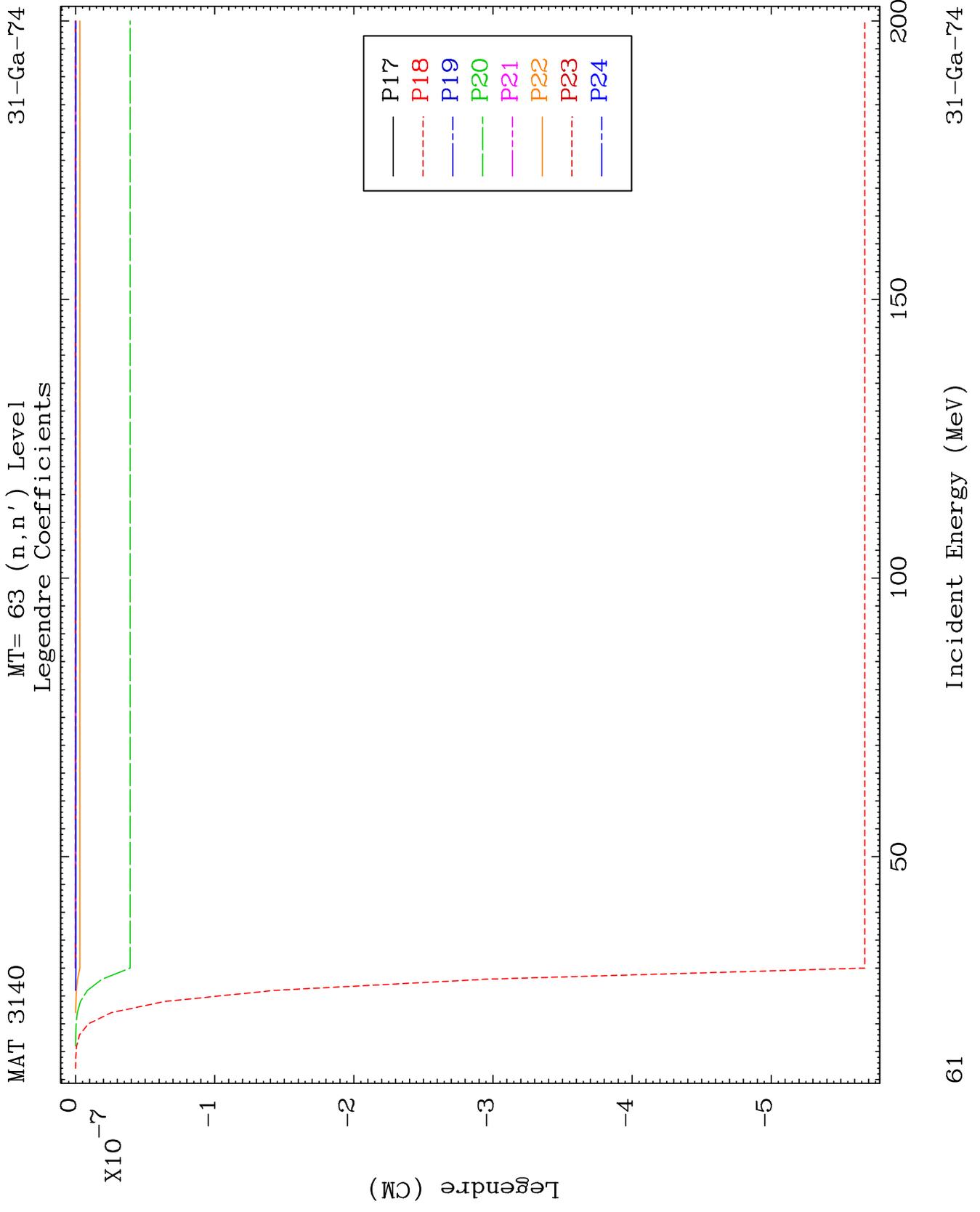
MAT 3140

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

31-Ga-74



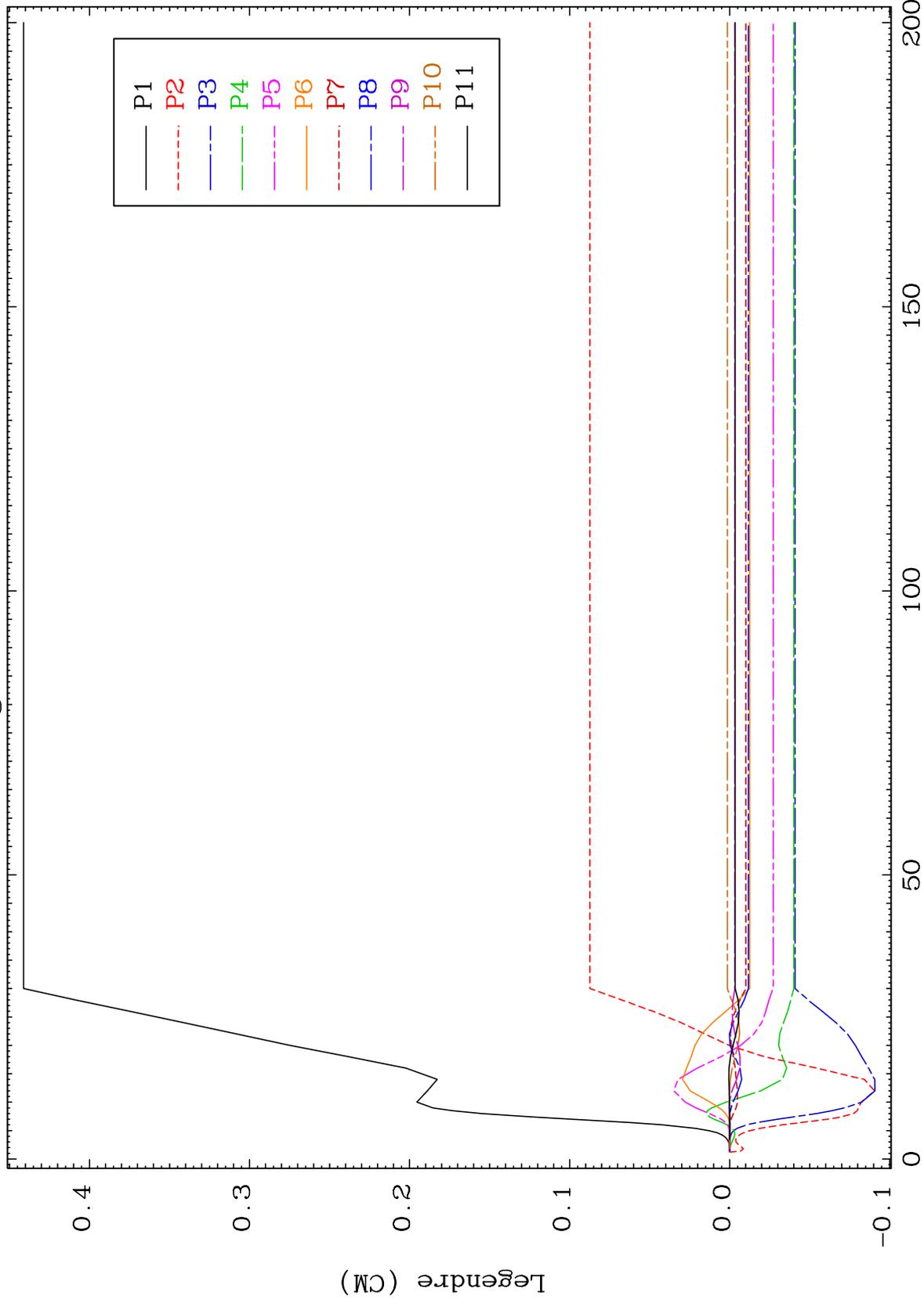
31-Ga-74



MAT 3140

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

³¹Ga-74



³¹Ga-74

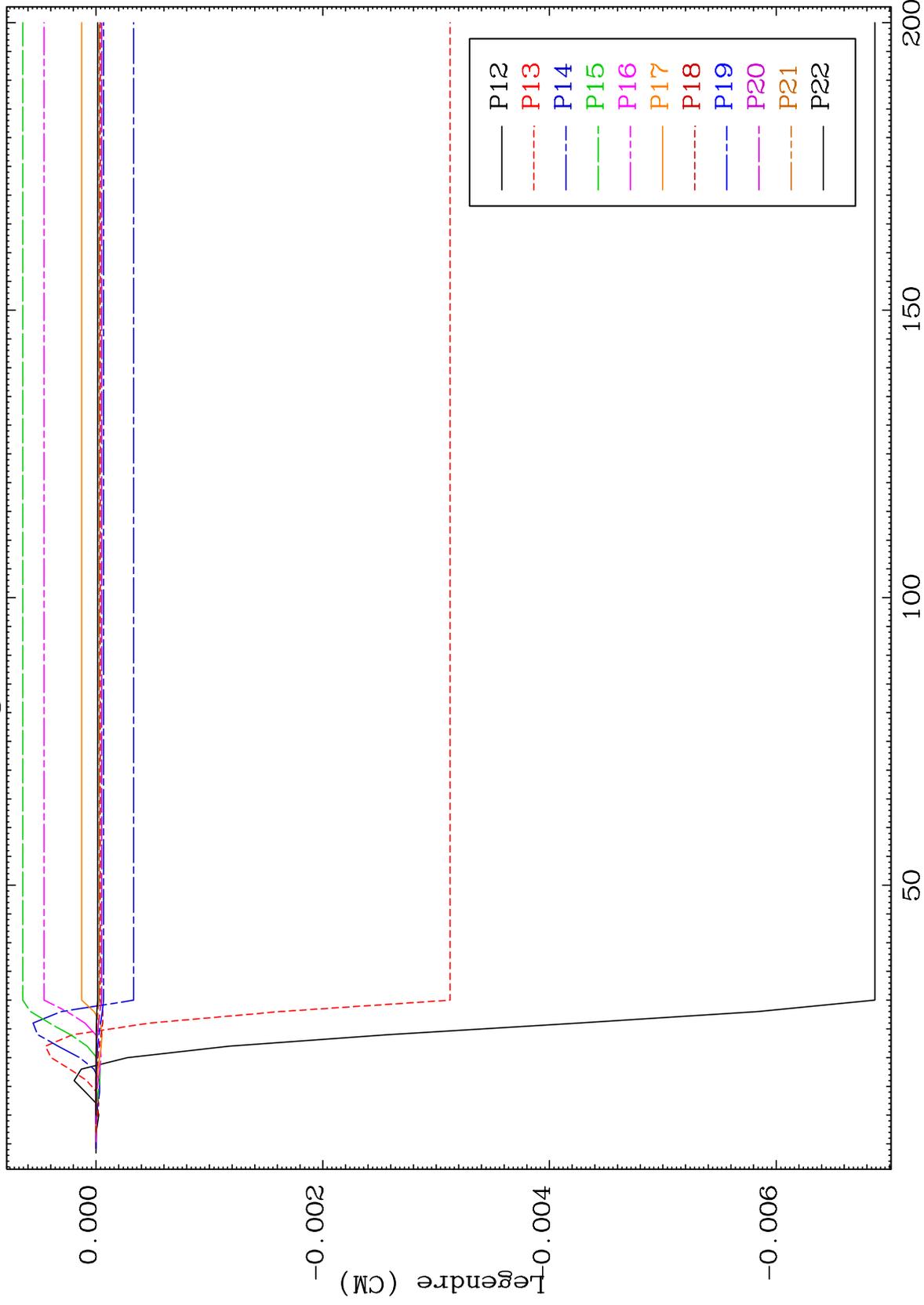
Incident Energy (MeV)

62

MAT 3140

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

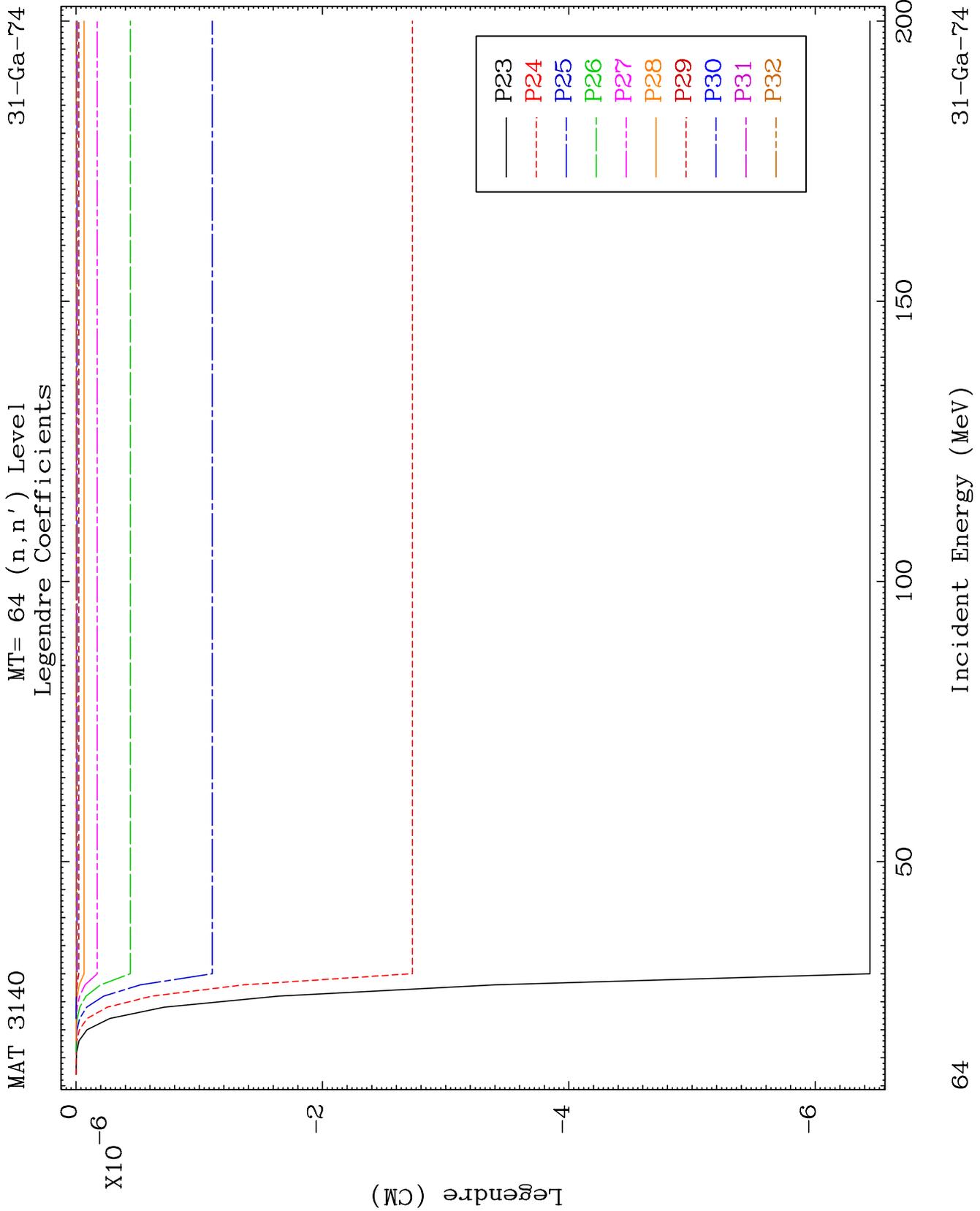
31-Ga-74



63

Incident Energy (MeV)

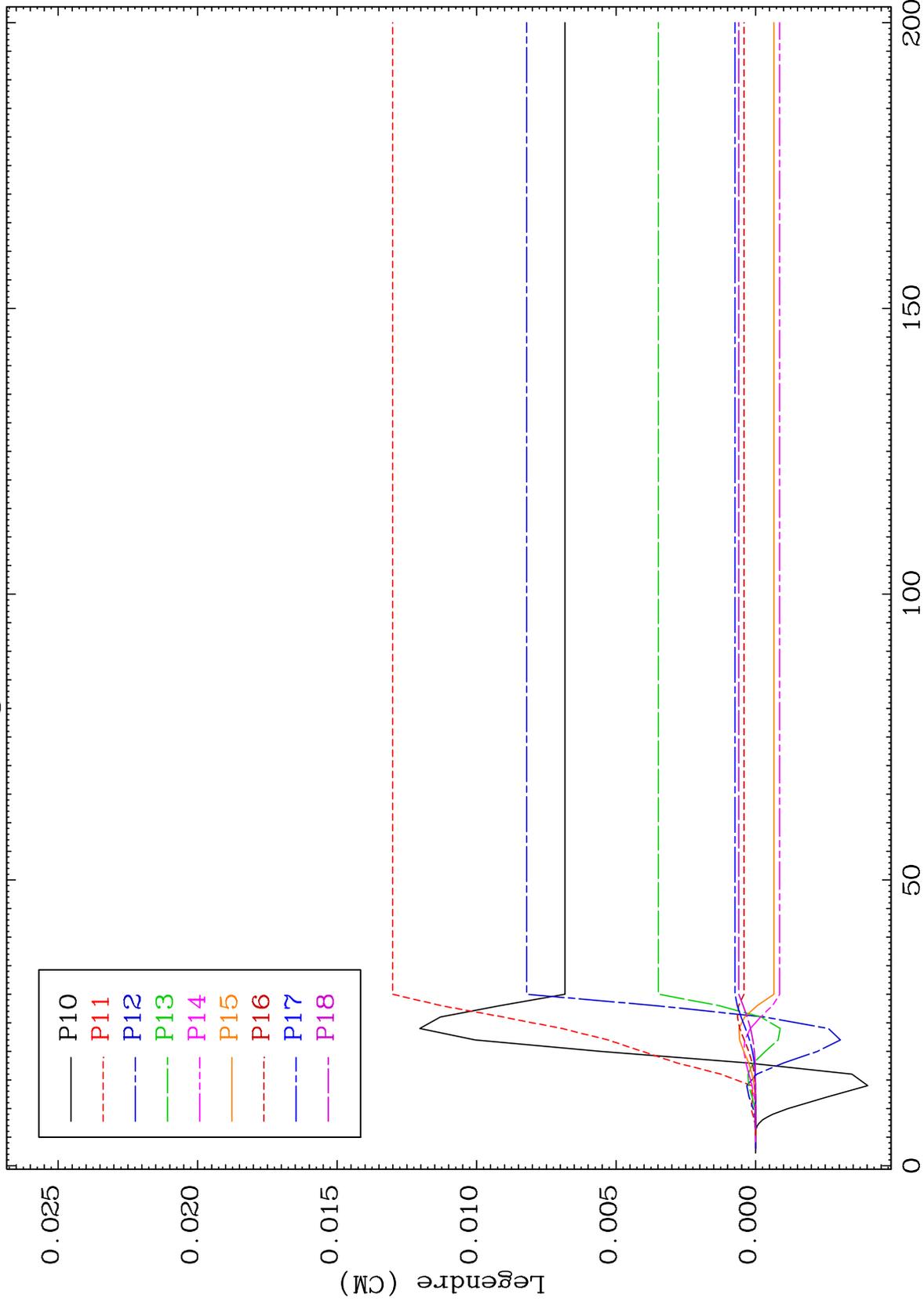
31-Ga-74



MAT 3140

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

31-Ga-74



66

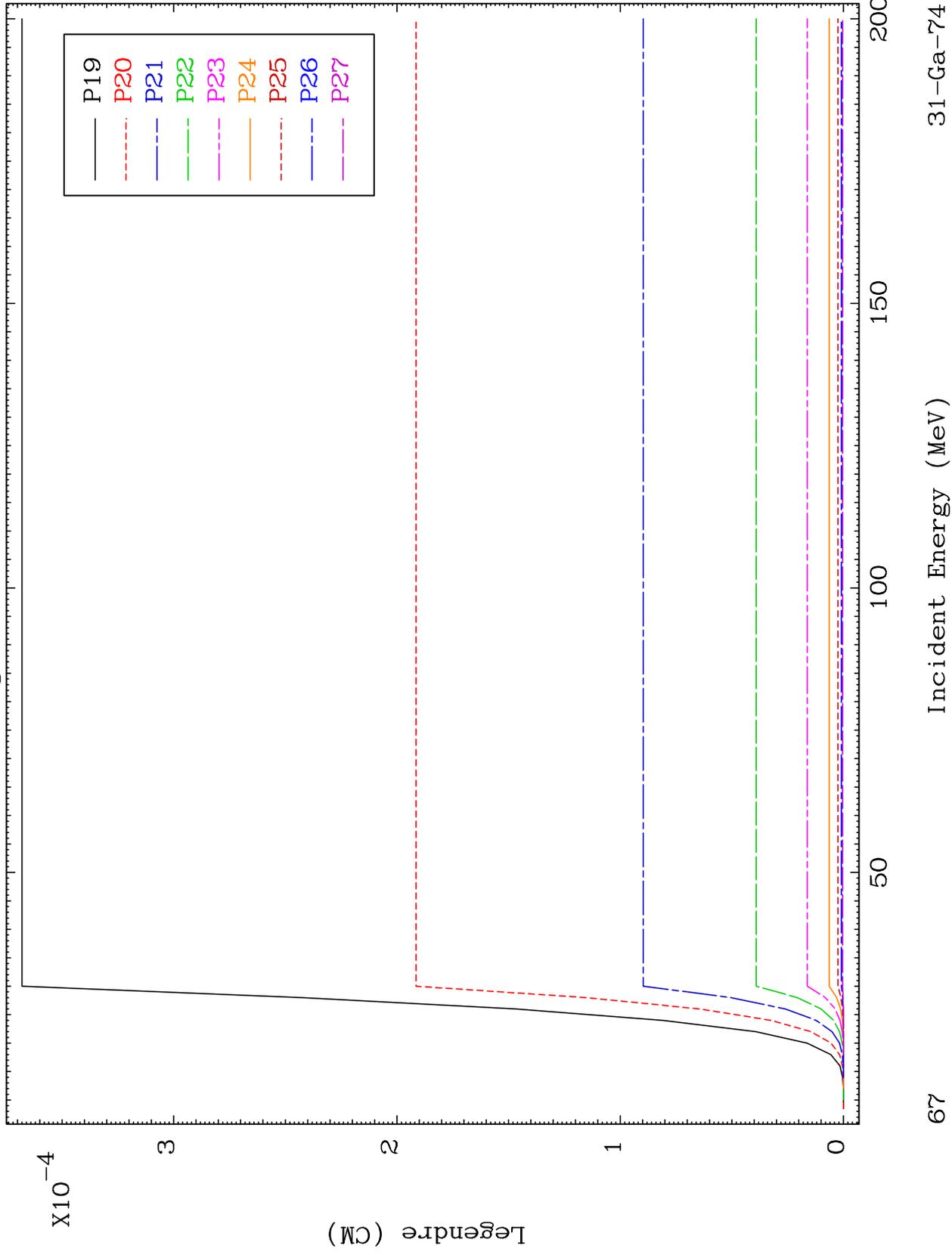
Incident Energy (MeV)

31-Ga-74

MAT 3140

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

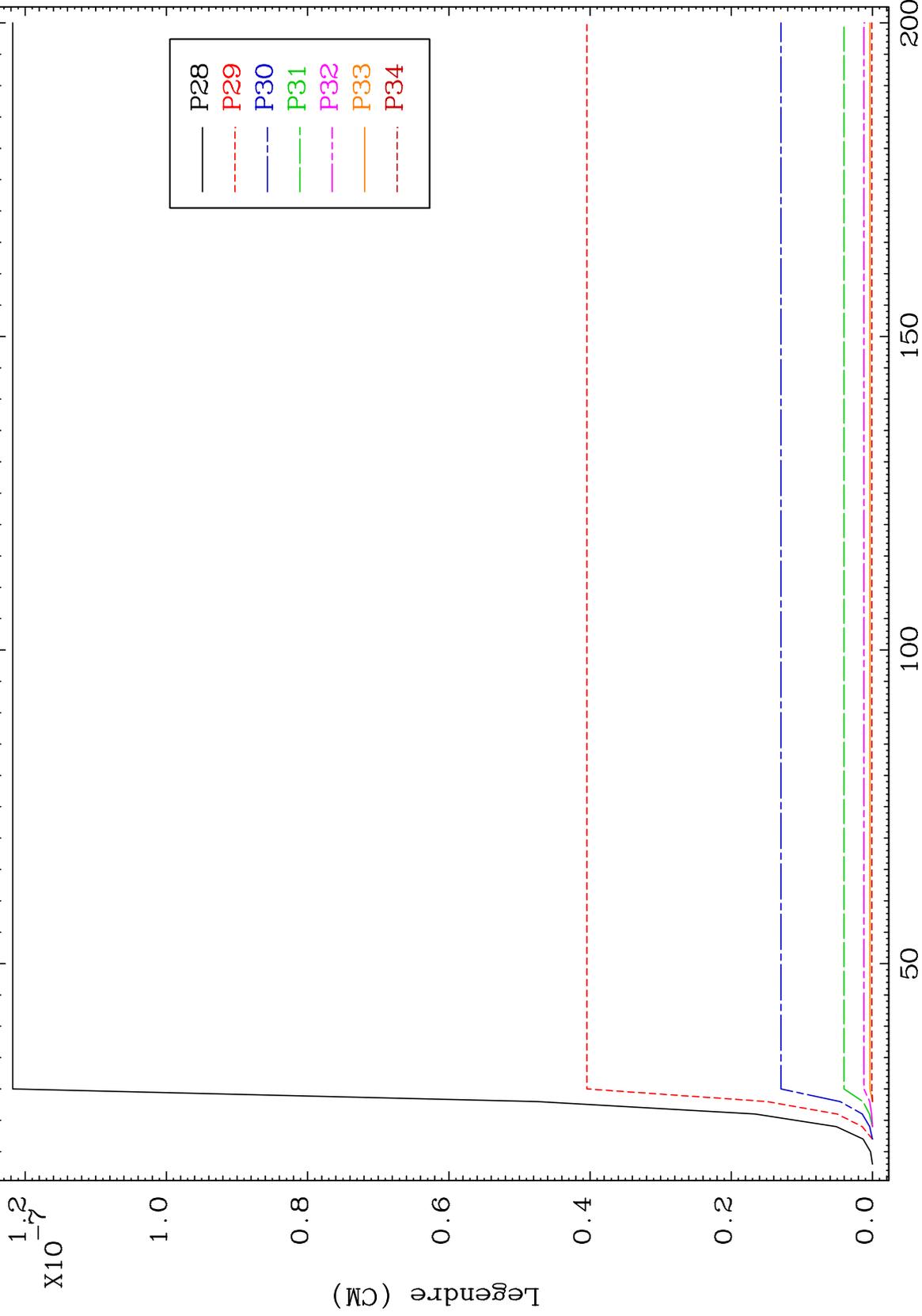
³¹Ga-74



MAT 3140

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

31-Ga-74



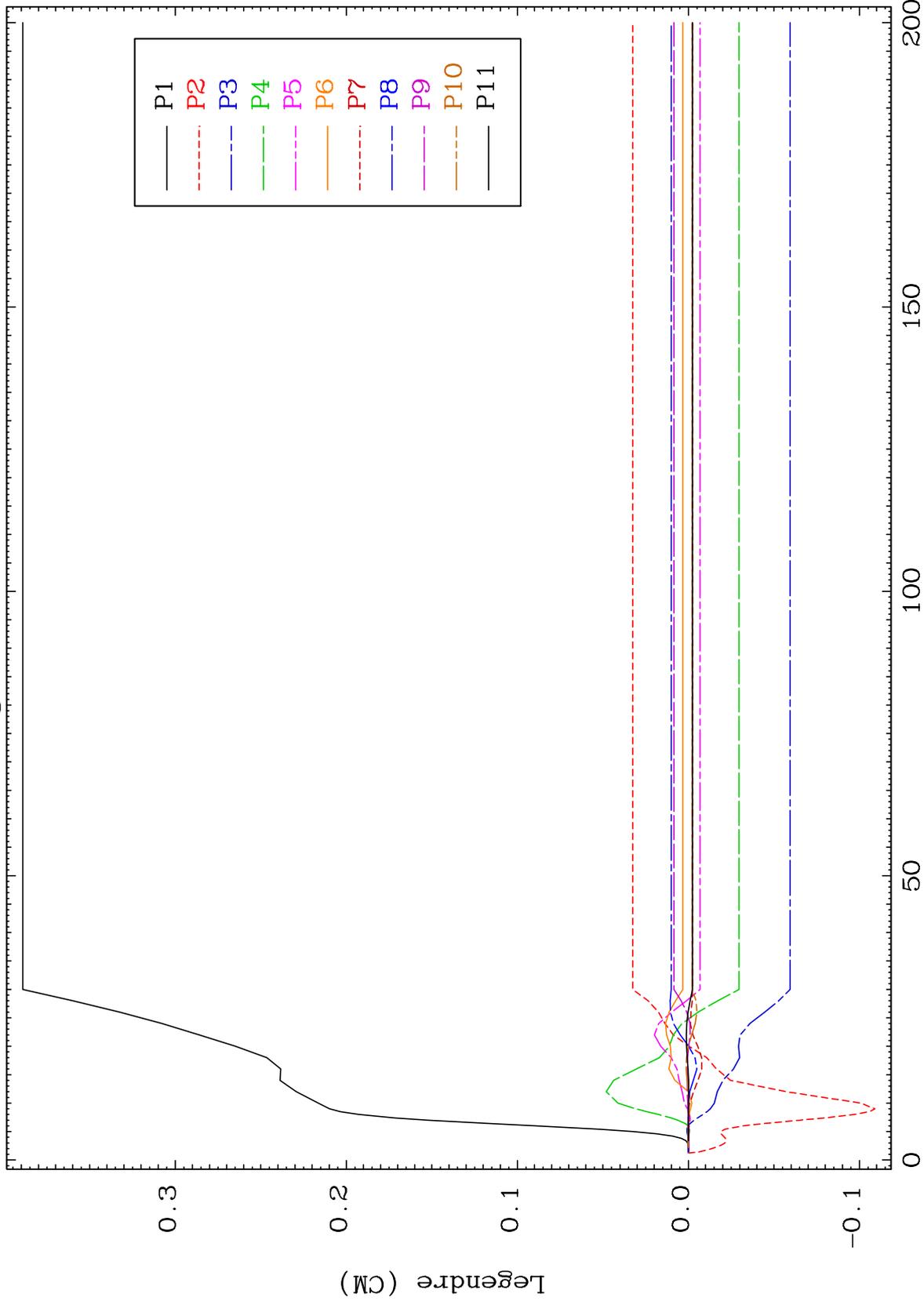
68

31-Ga-74

MAT 3140

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

31-Ga-74



31-Ga-74

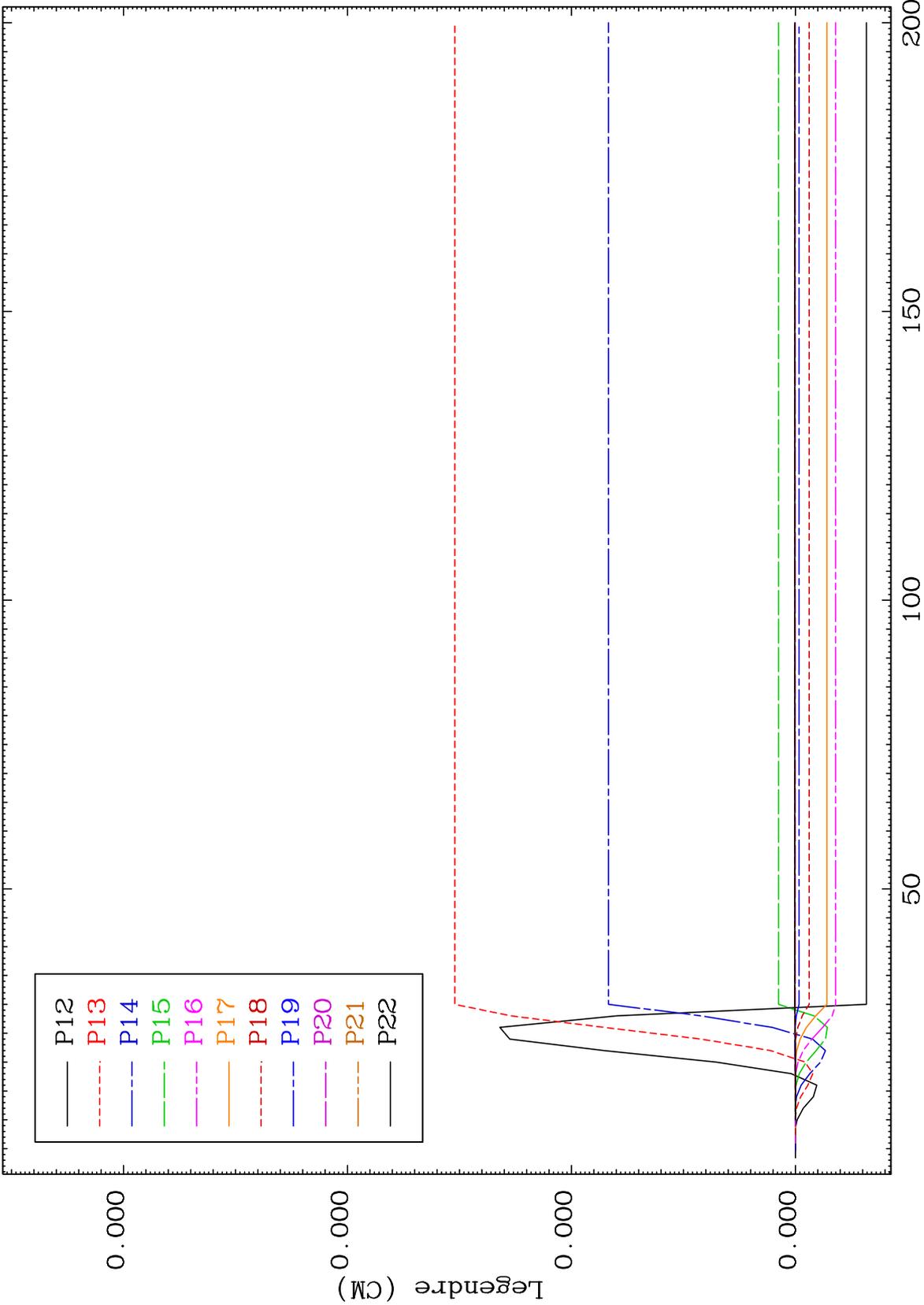
Incident Energy (MeV)

69

MAT 3140

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

31-Ga-74



70

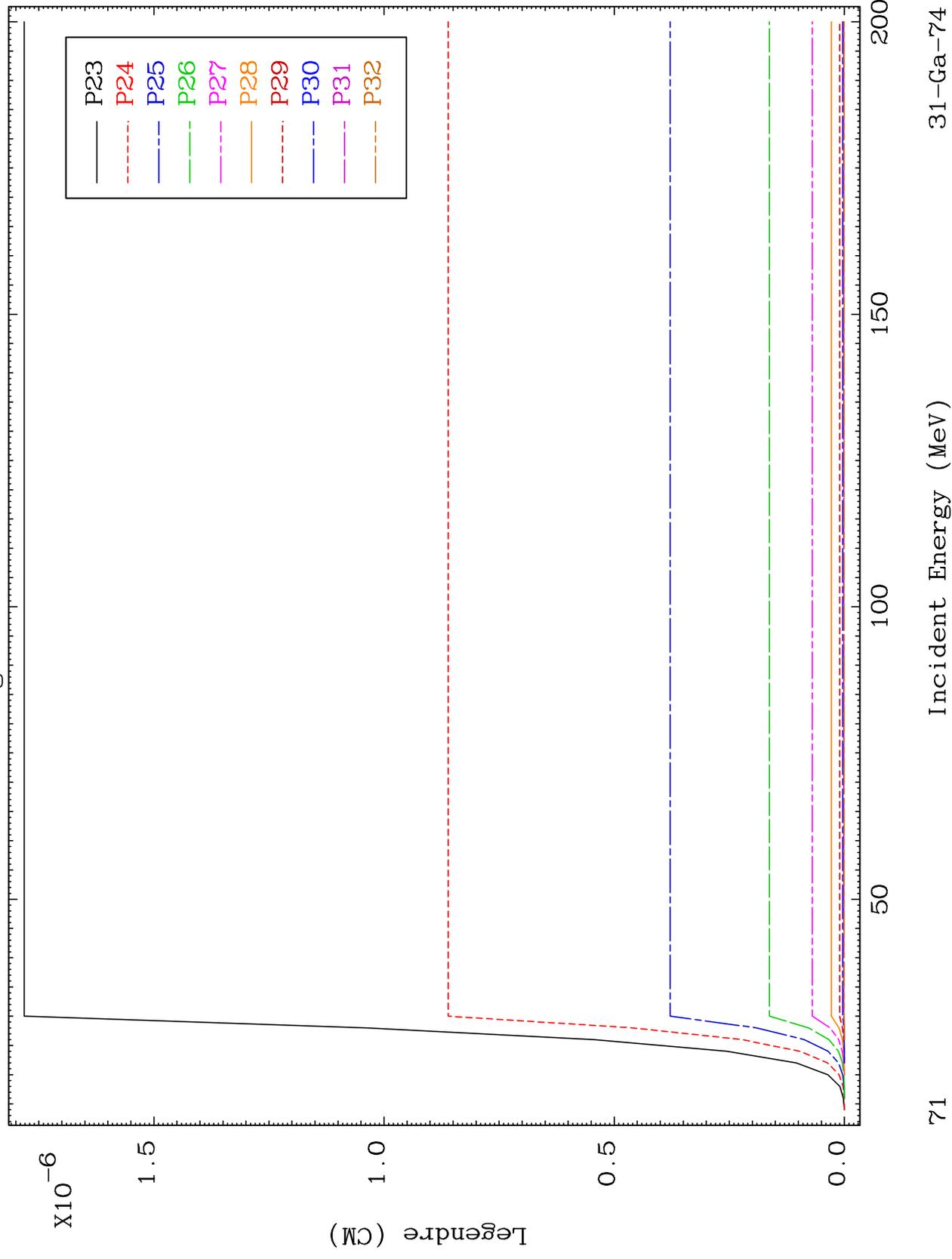
Incident Energy (MeV)

31-Ga-74

MAT 3140

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

31-Ga-74



71

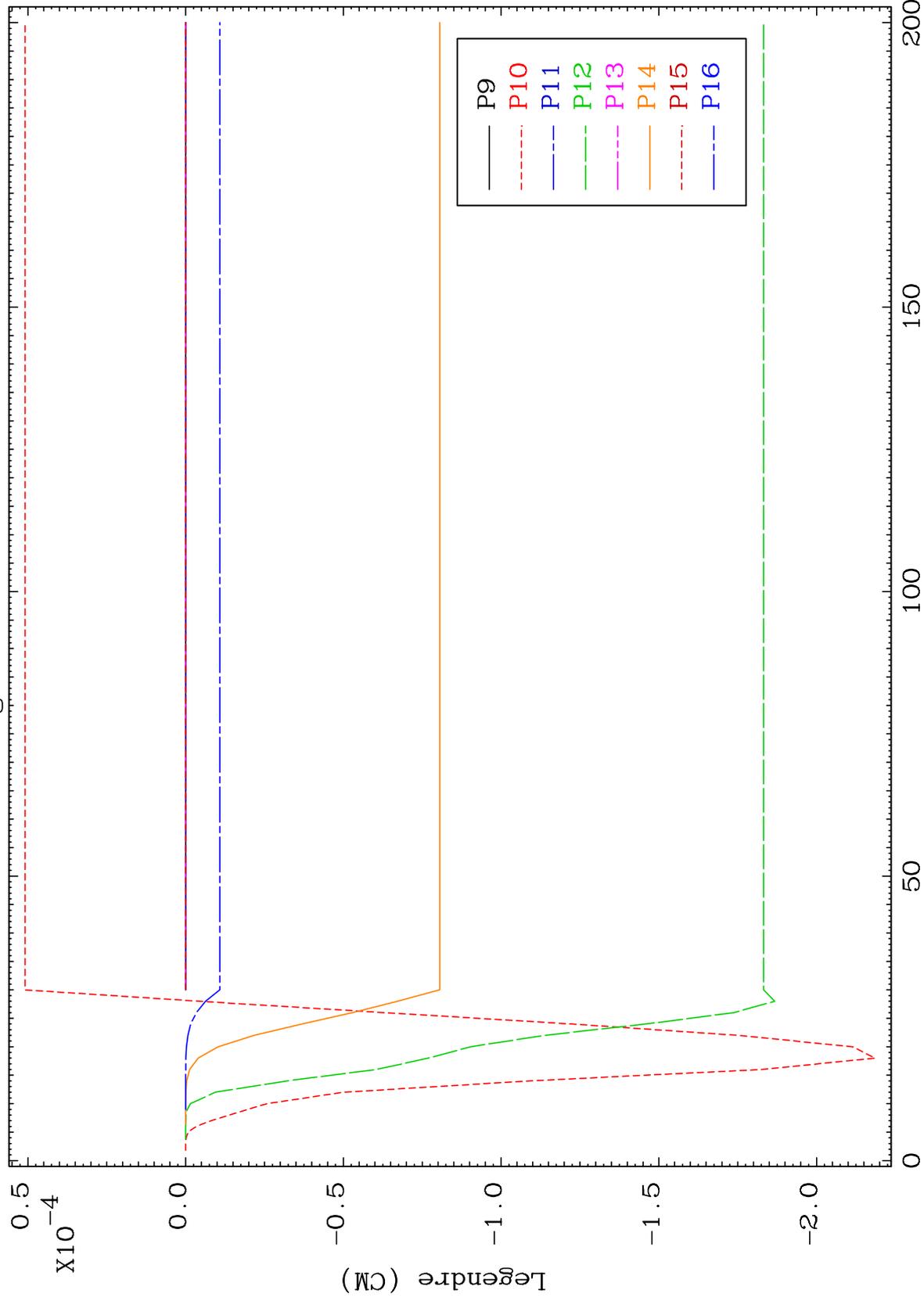
Incident Energy (MeV)

31-Ga-74

MAT 3140

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

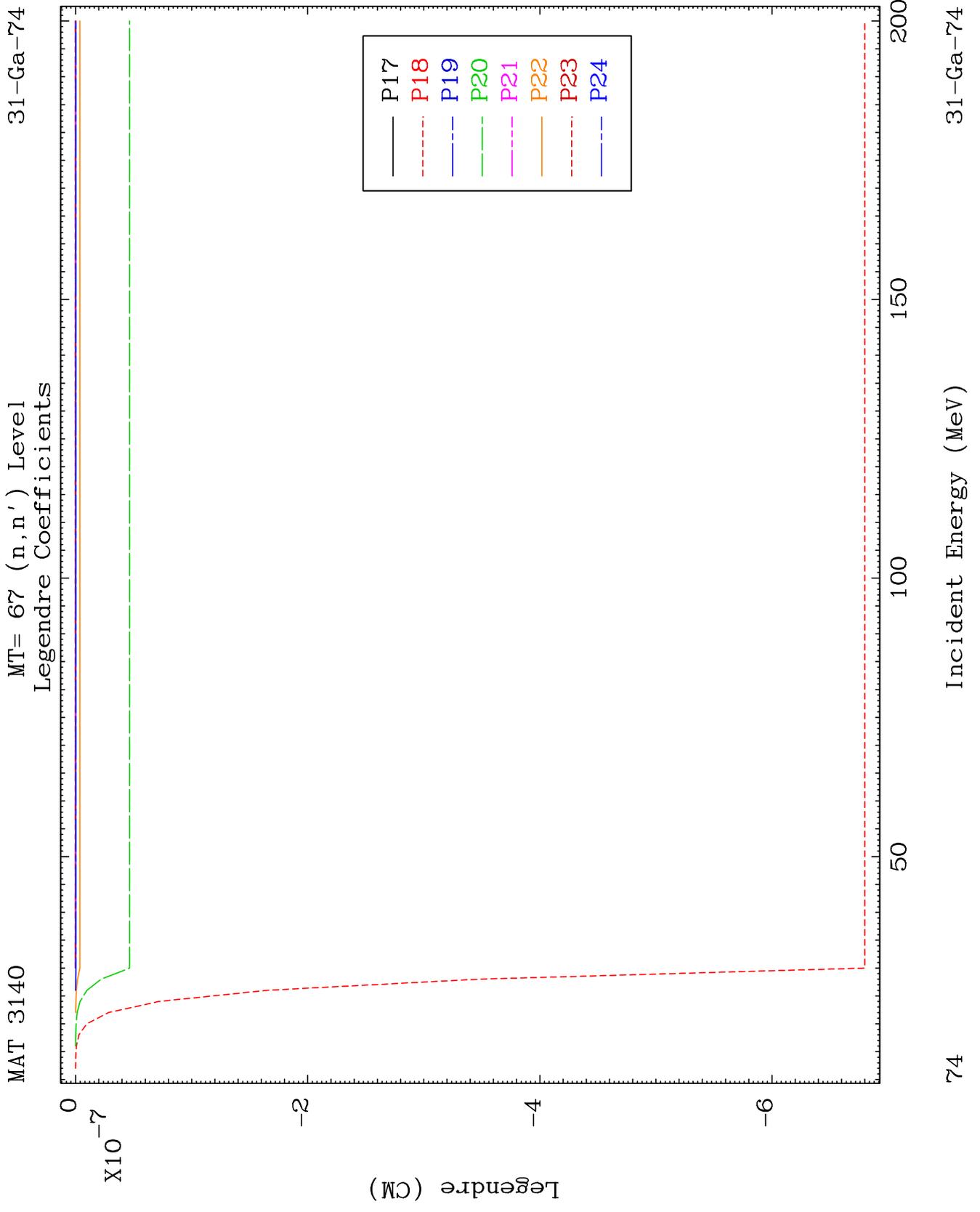
31-Ga-74



73

Incident Energy (MeV)

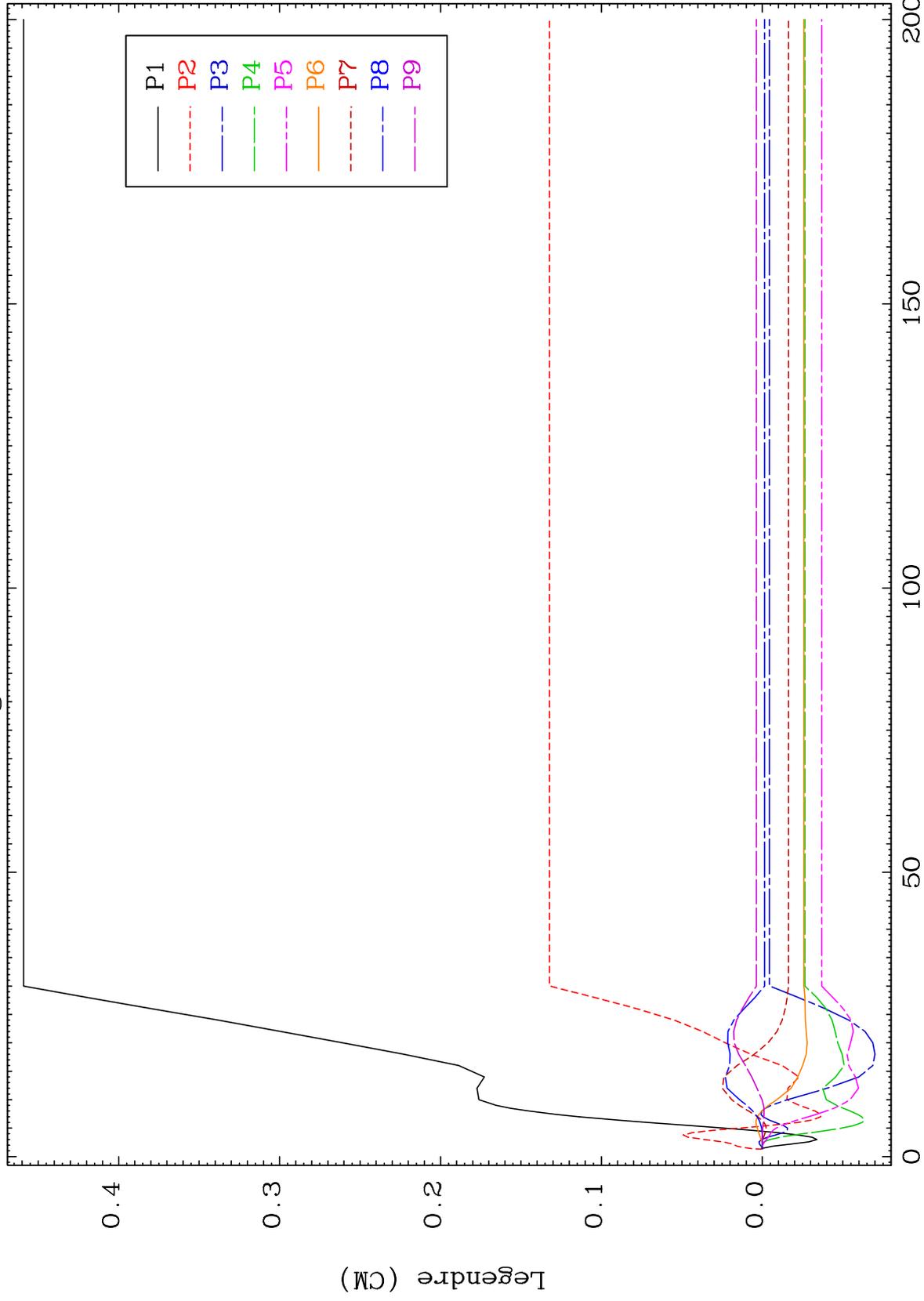
31-Ga-74



MAT 3140

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

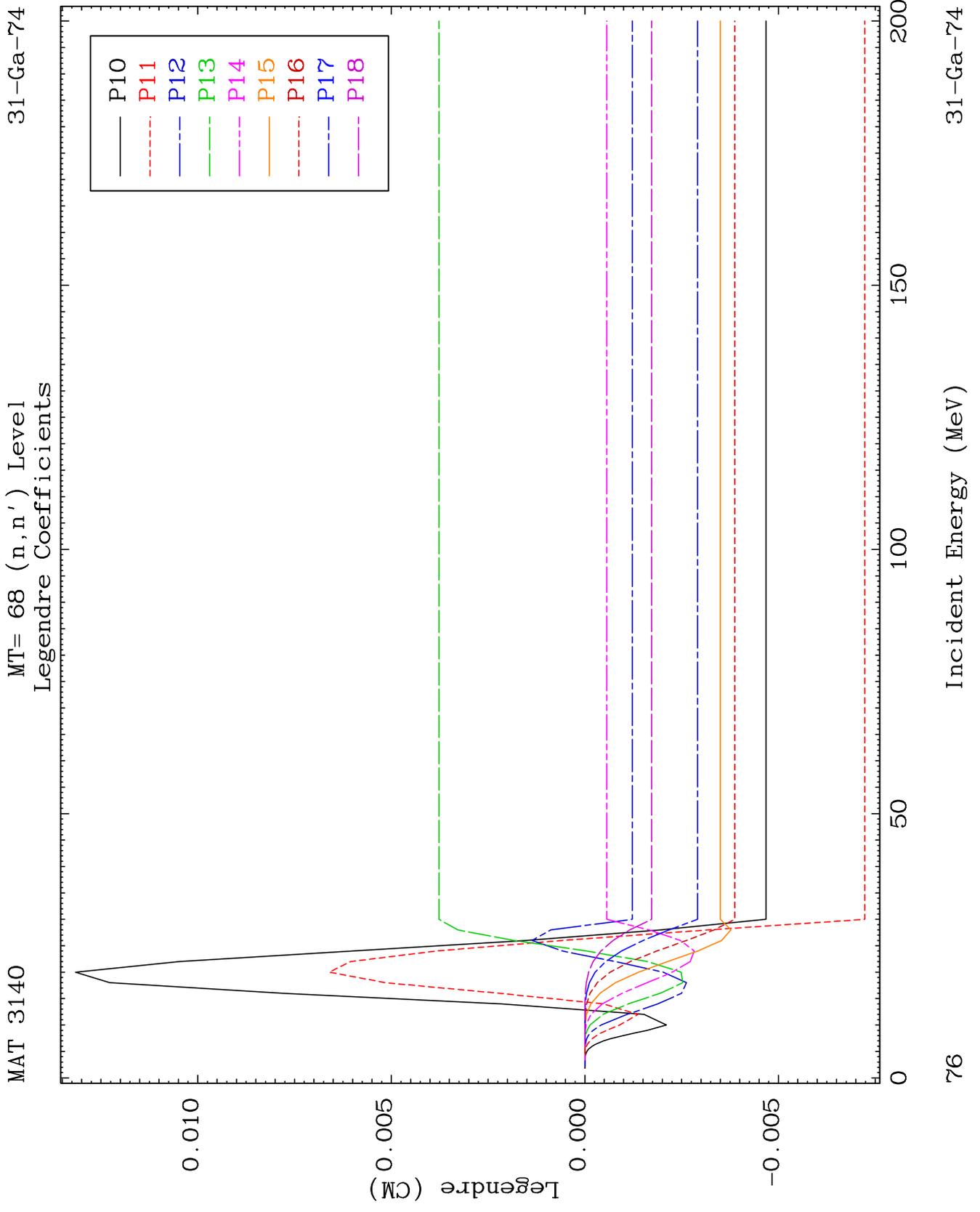
³¹Ga-74

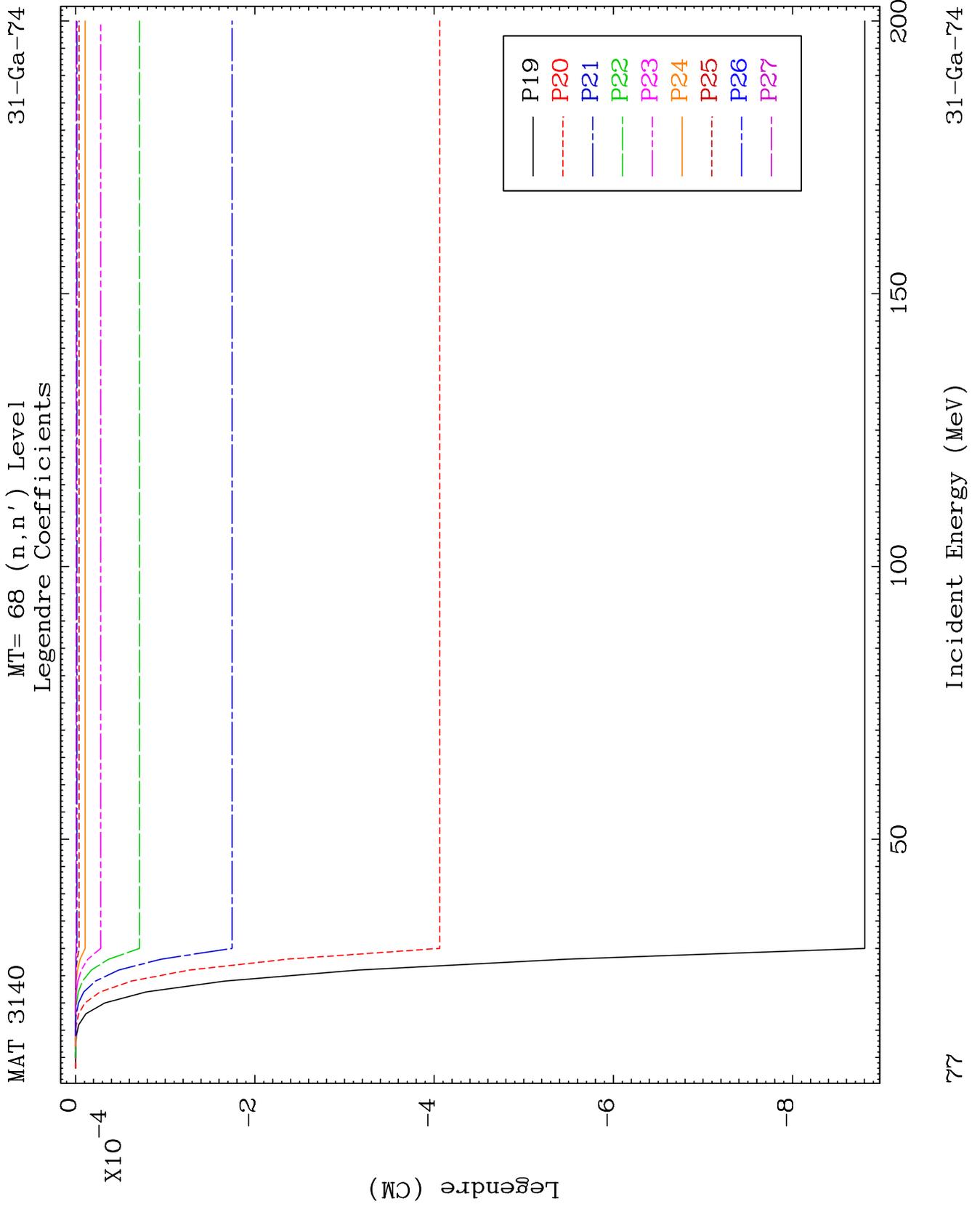


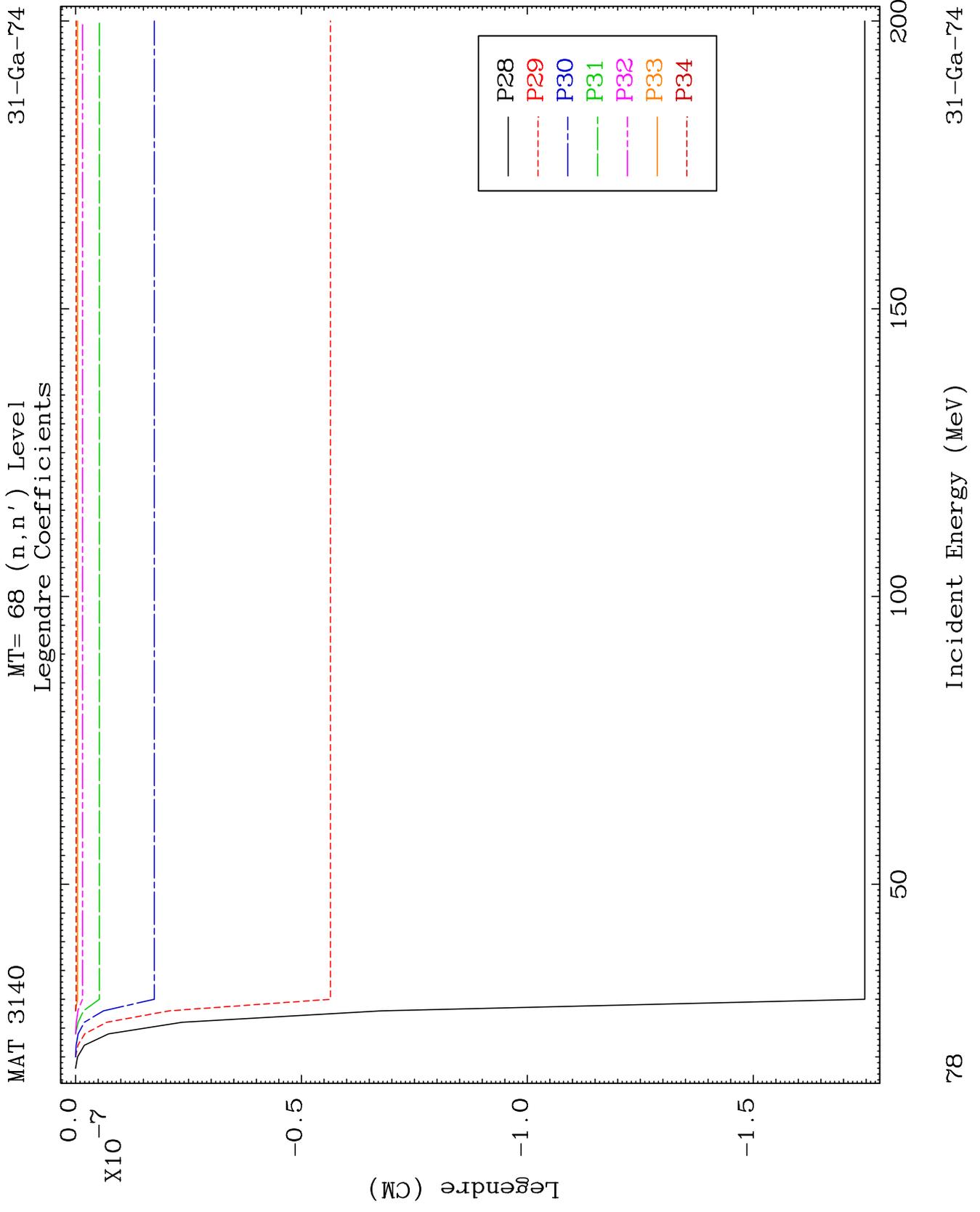
75

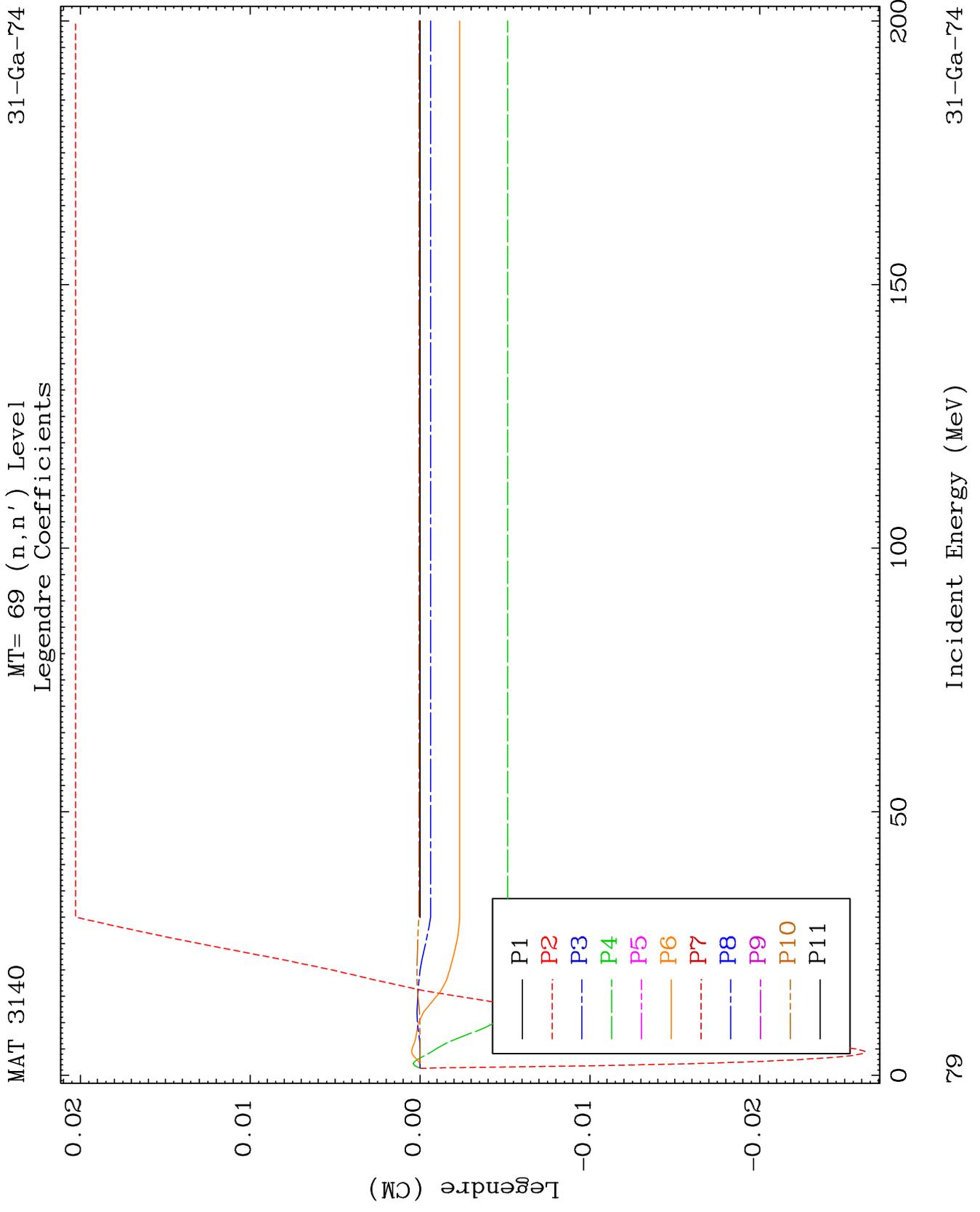
Incident Energy (MeV)

³¹Ga-74





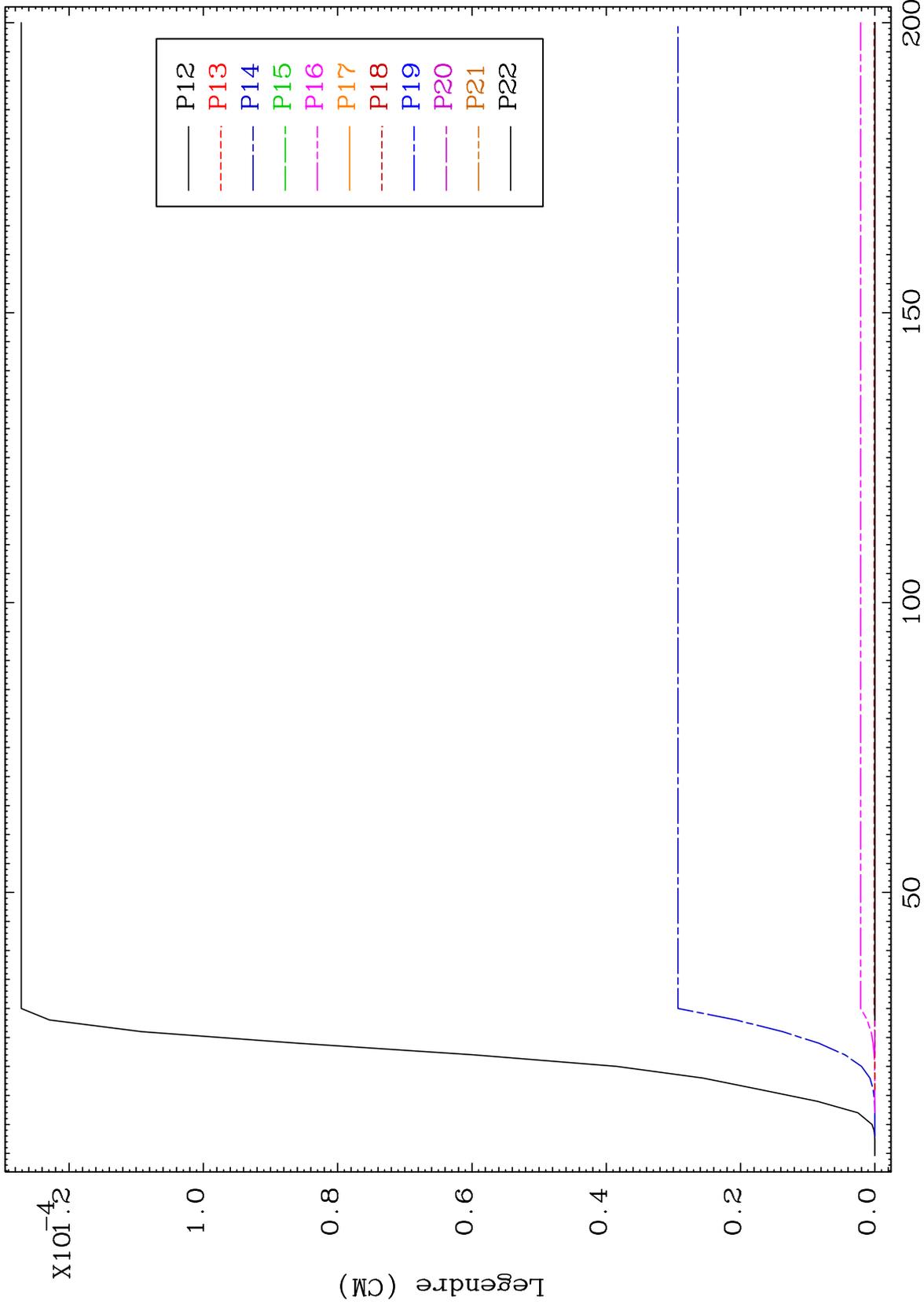




MAT 3140

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

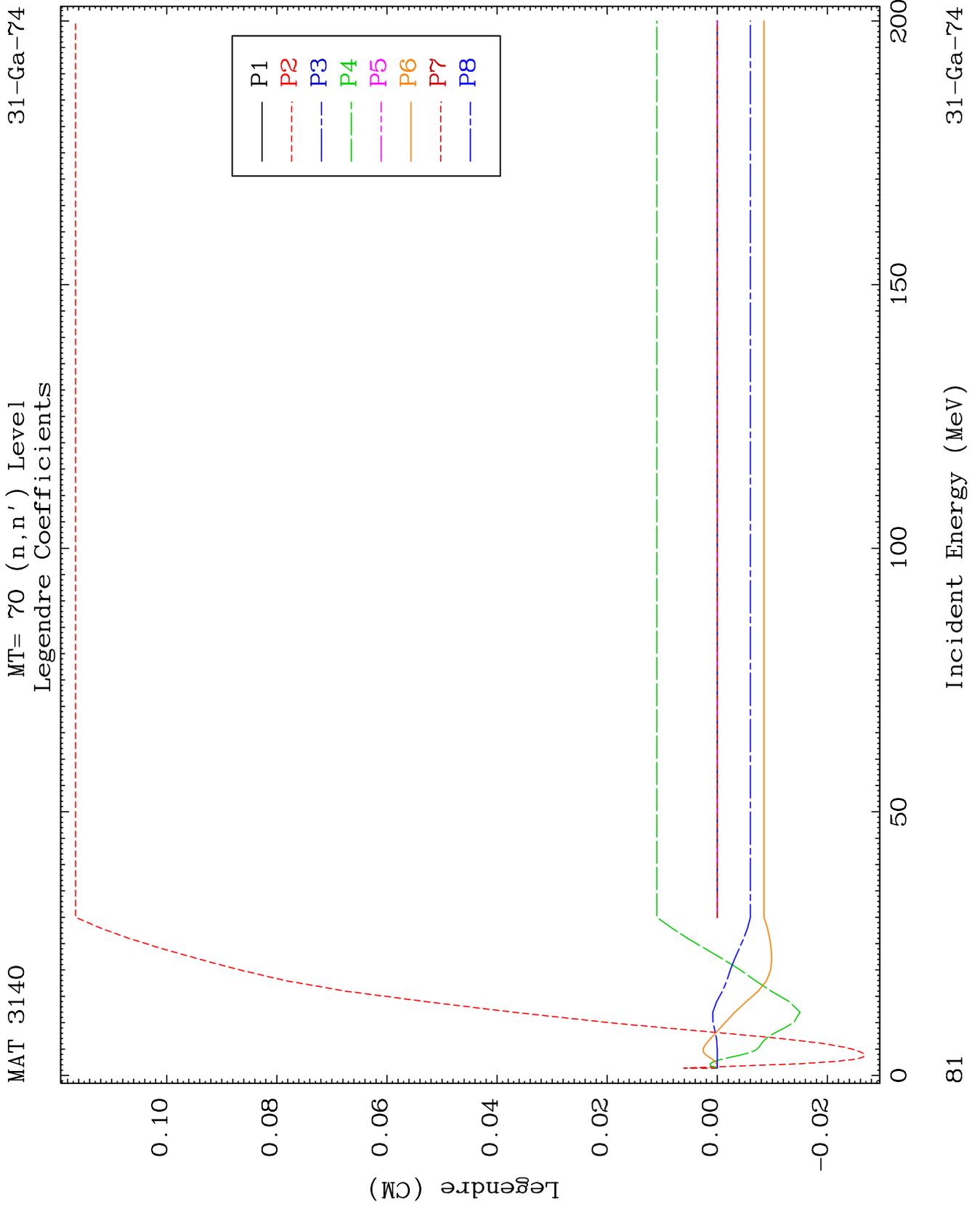
31-Ga-74

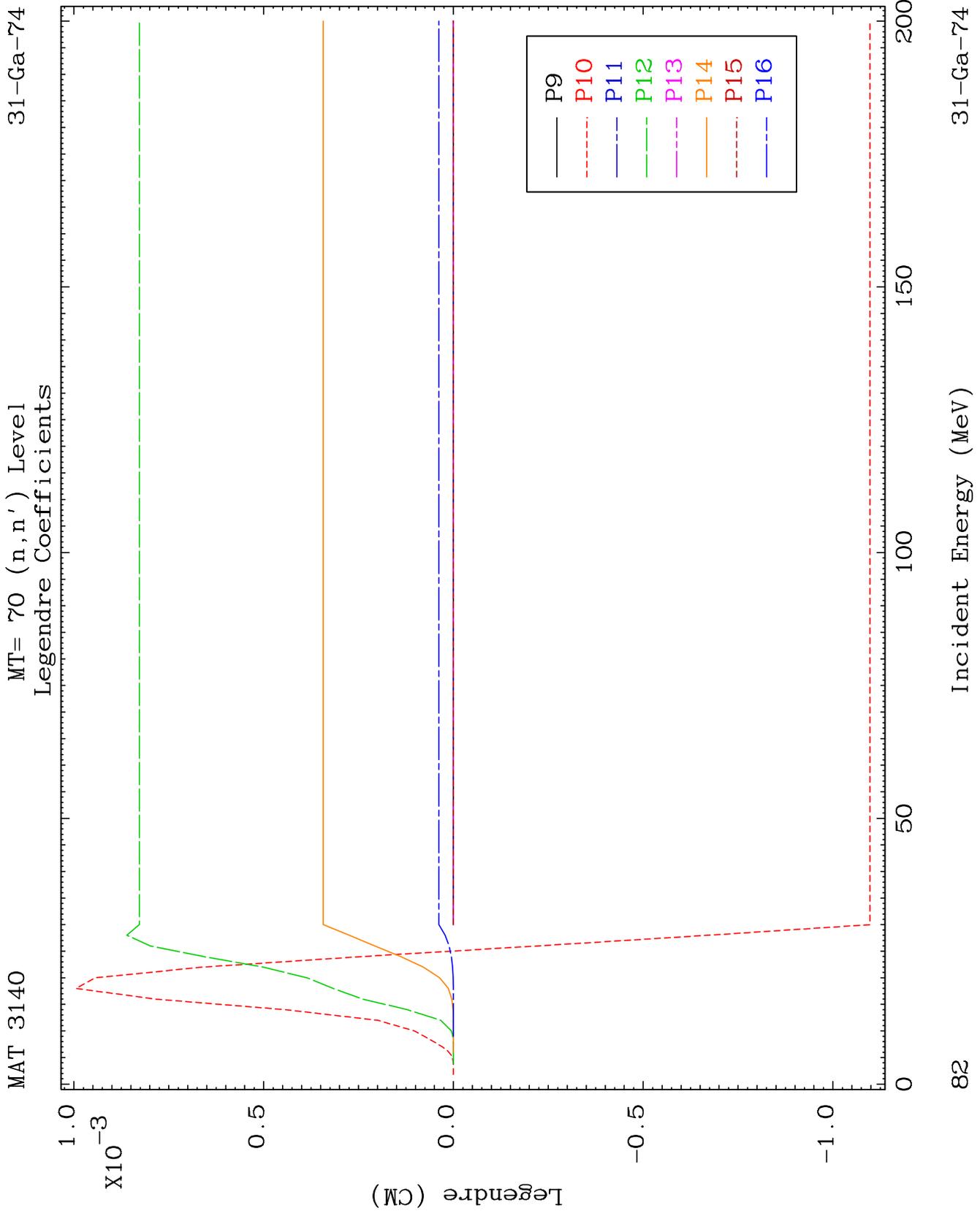


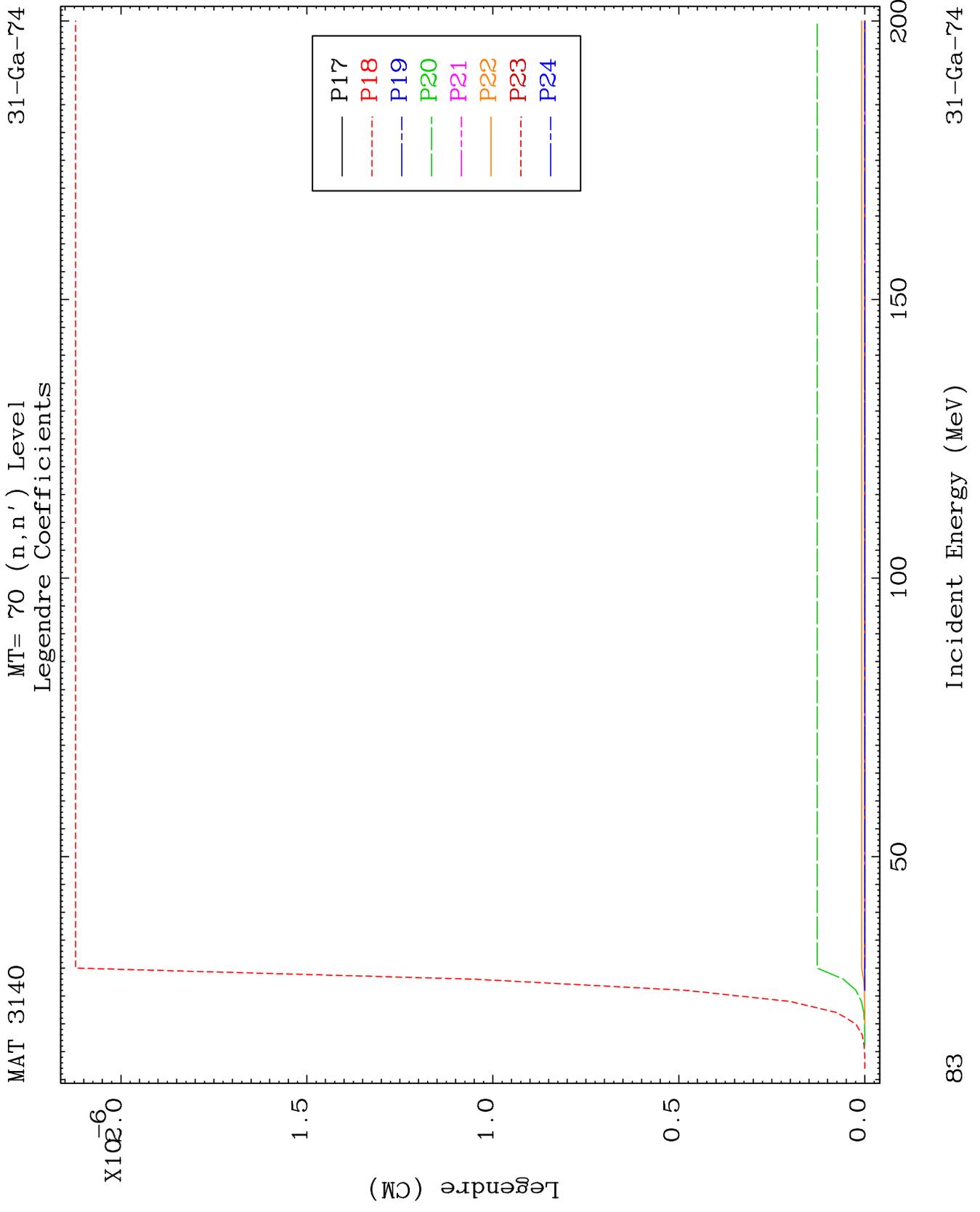
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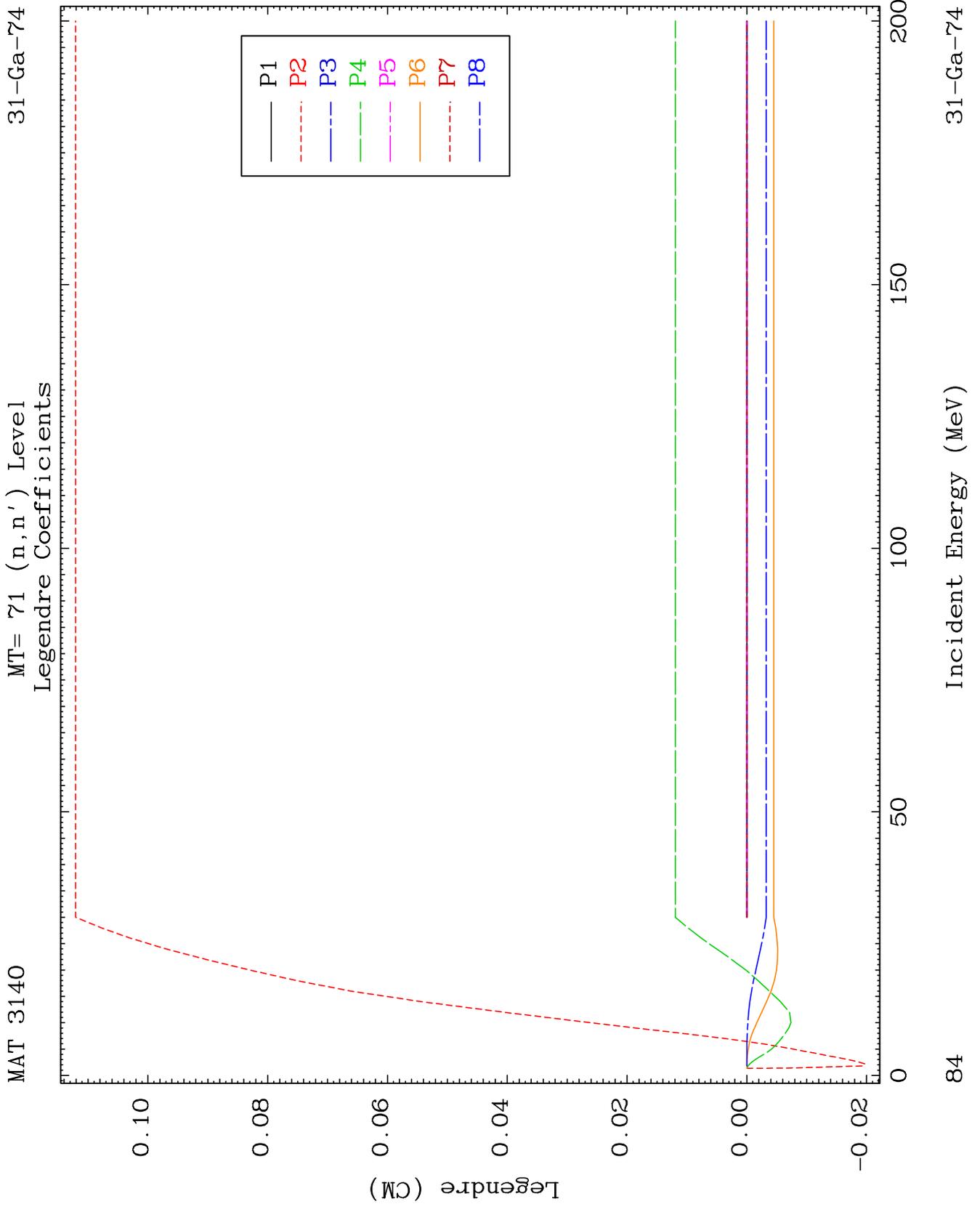
Incident Energy (MeV)

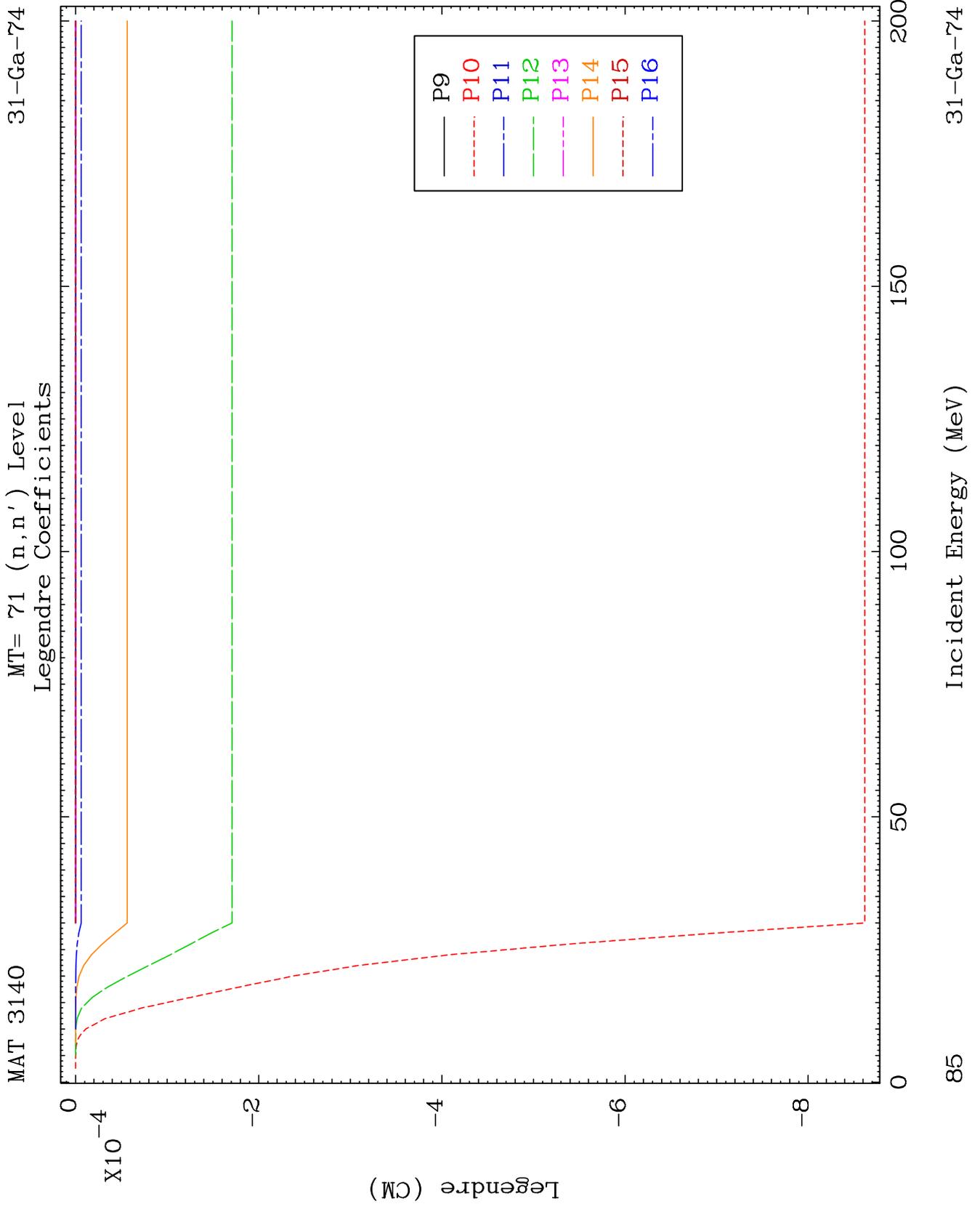
31-Ga-74

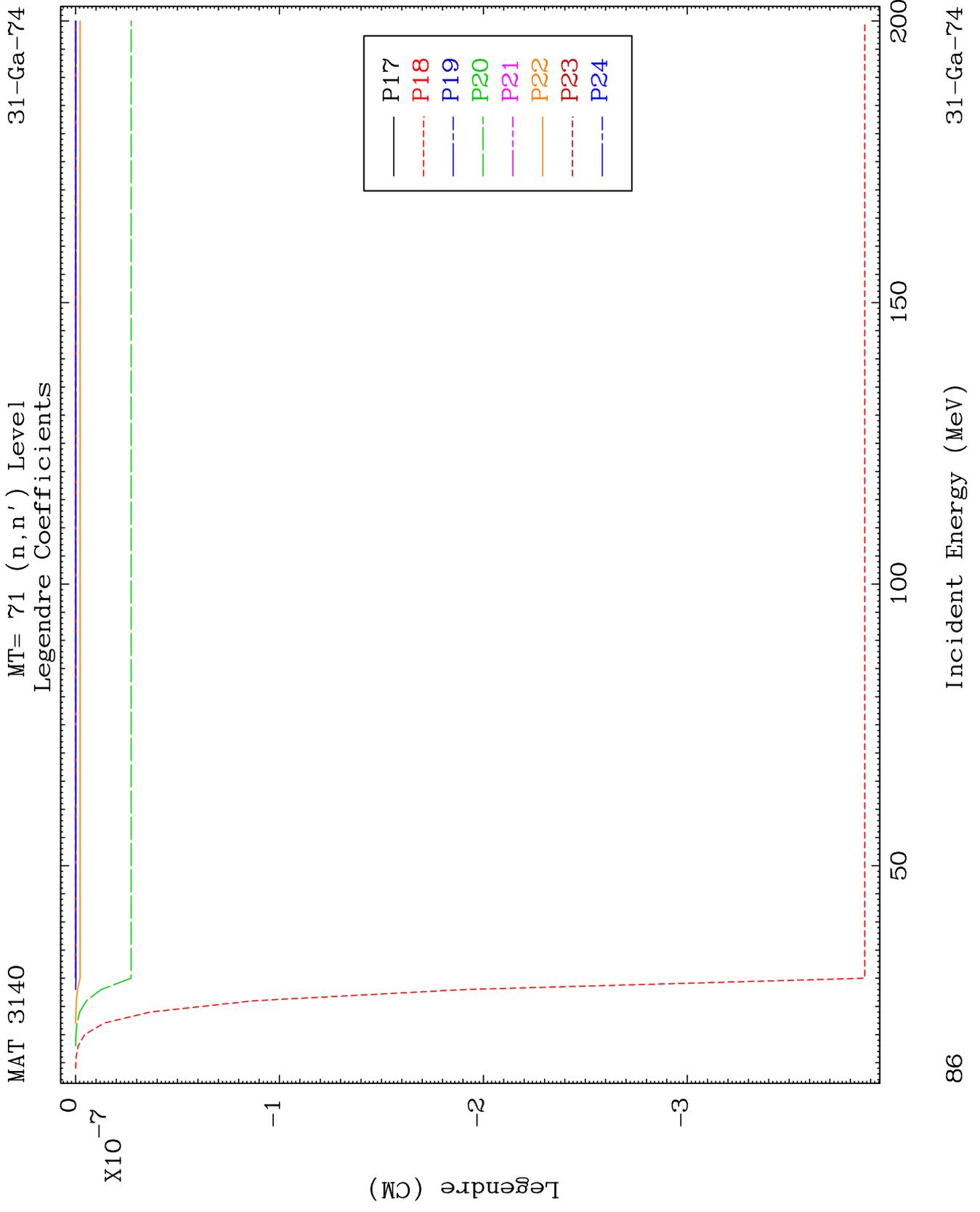


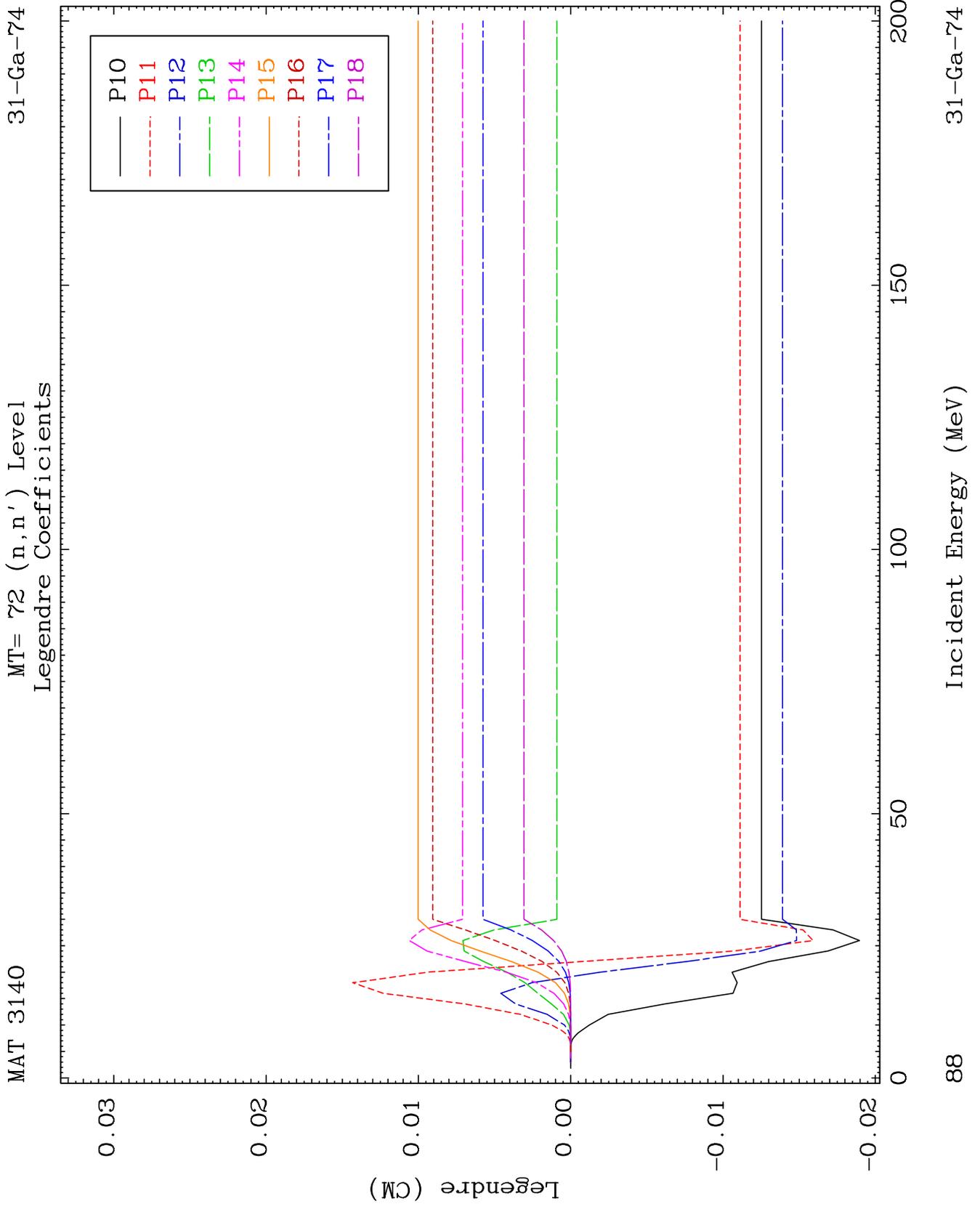








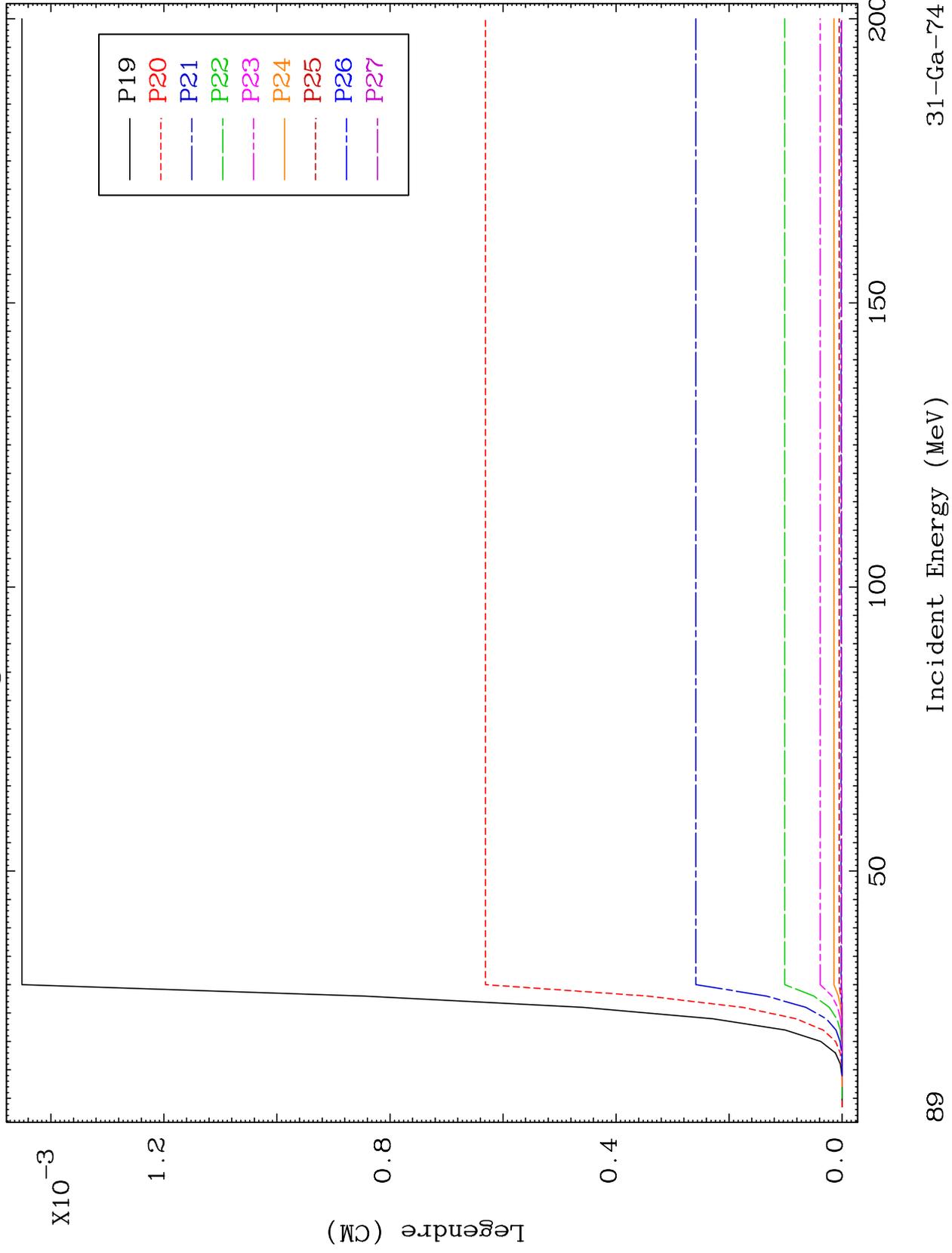




MAT 3140

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

31-Ga-74



89

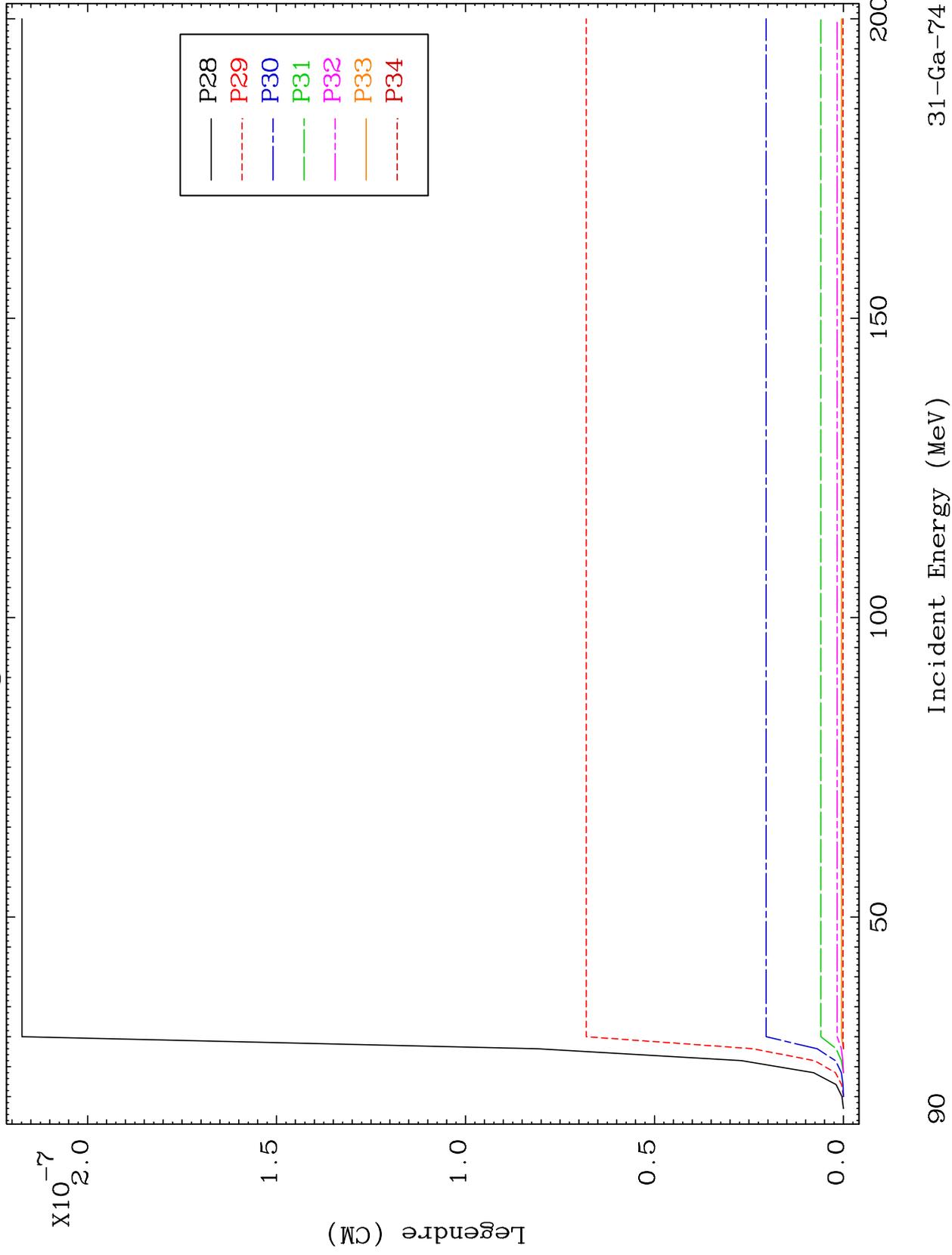
Incident Energy (MeV)

31-Ga-74

MAT 3140

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

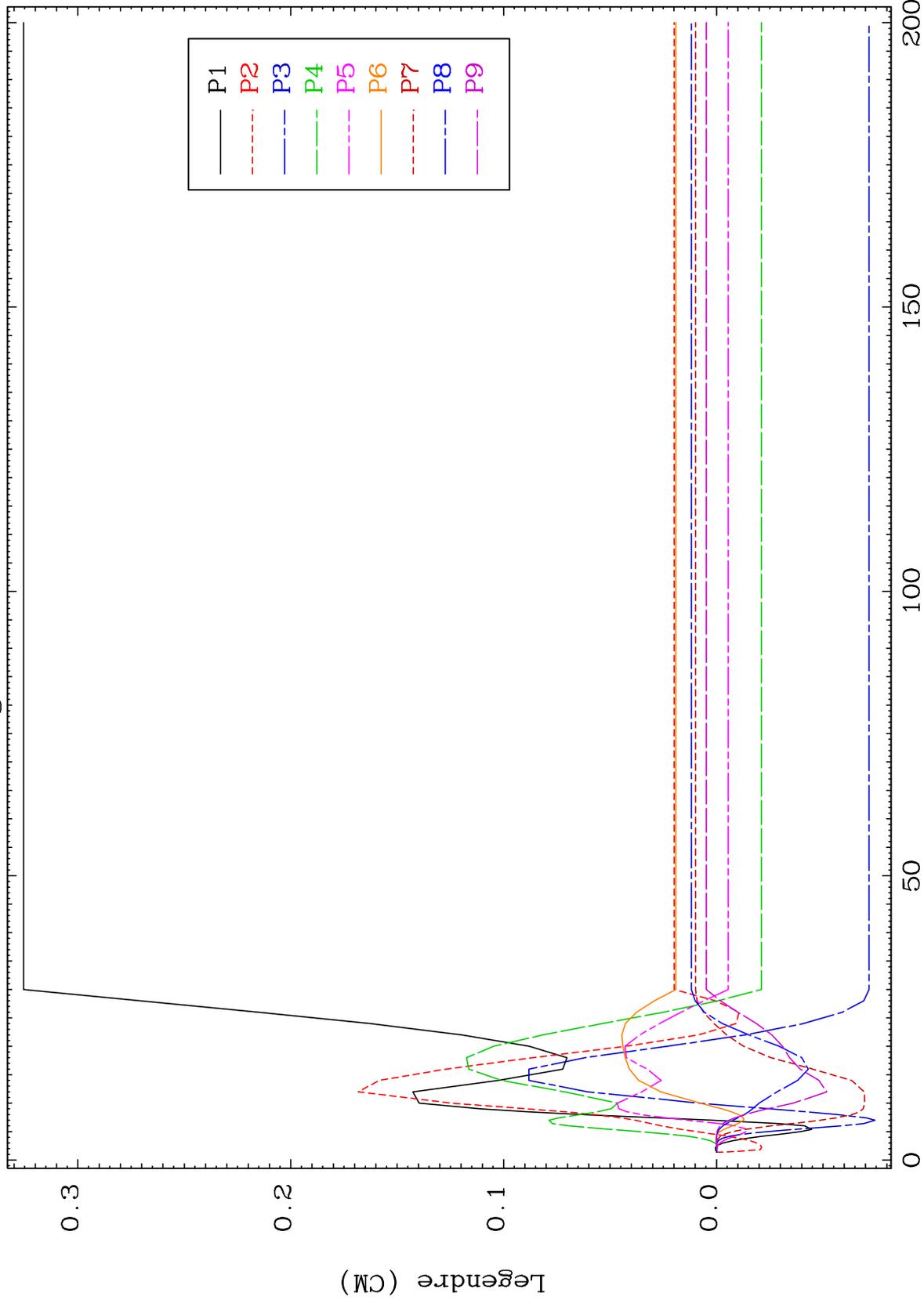
31-Ga-74



MAT 3140

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

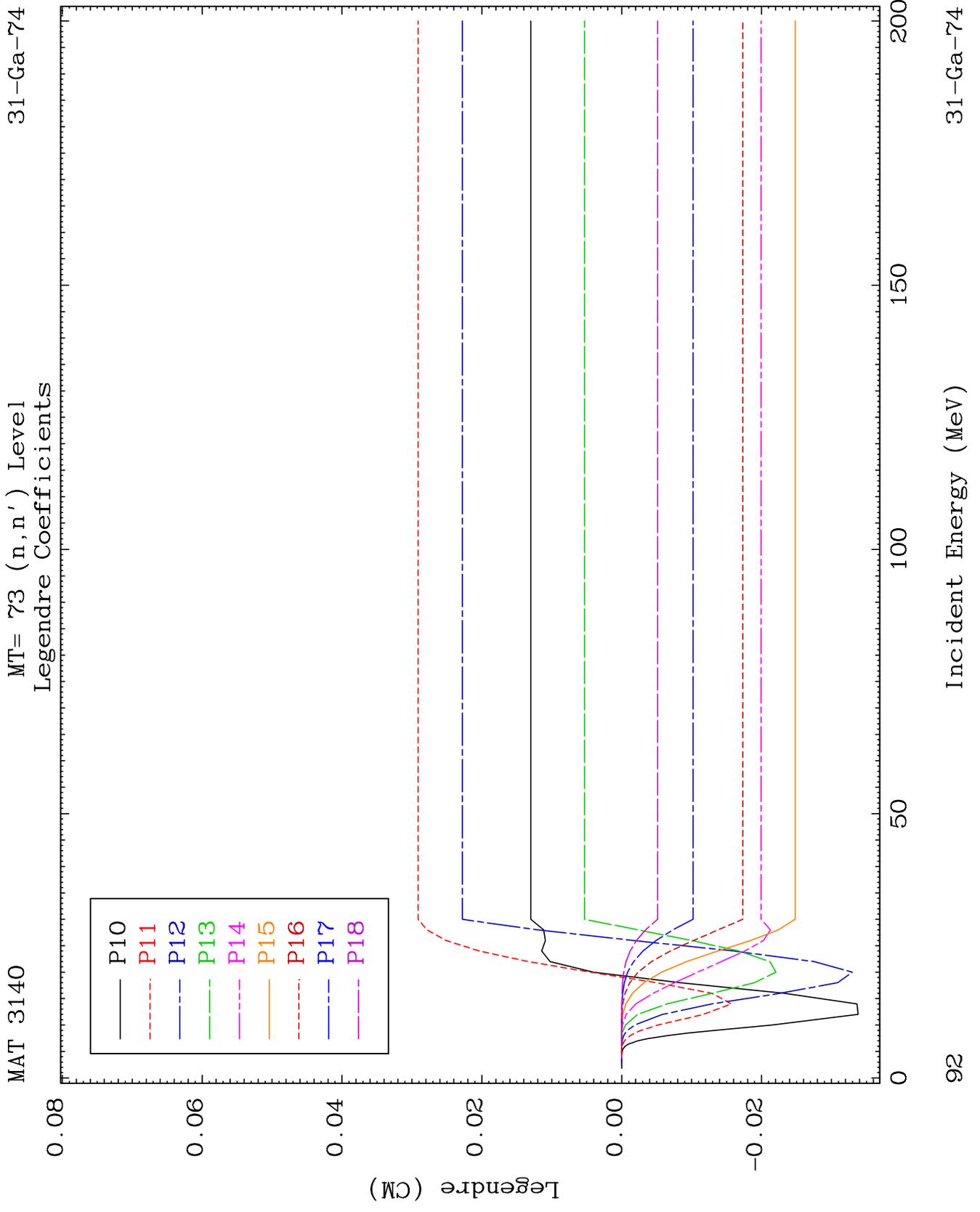
31-Ga-74

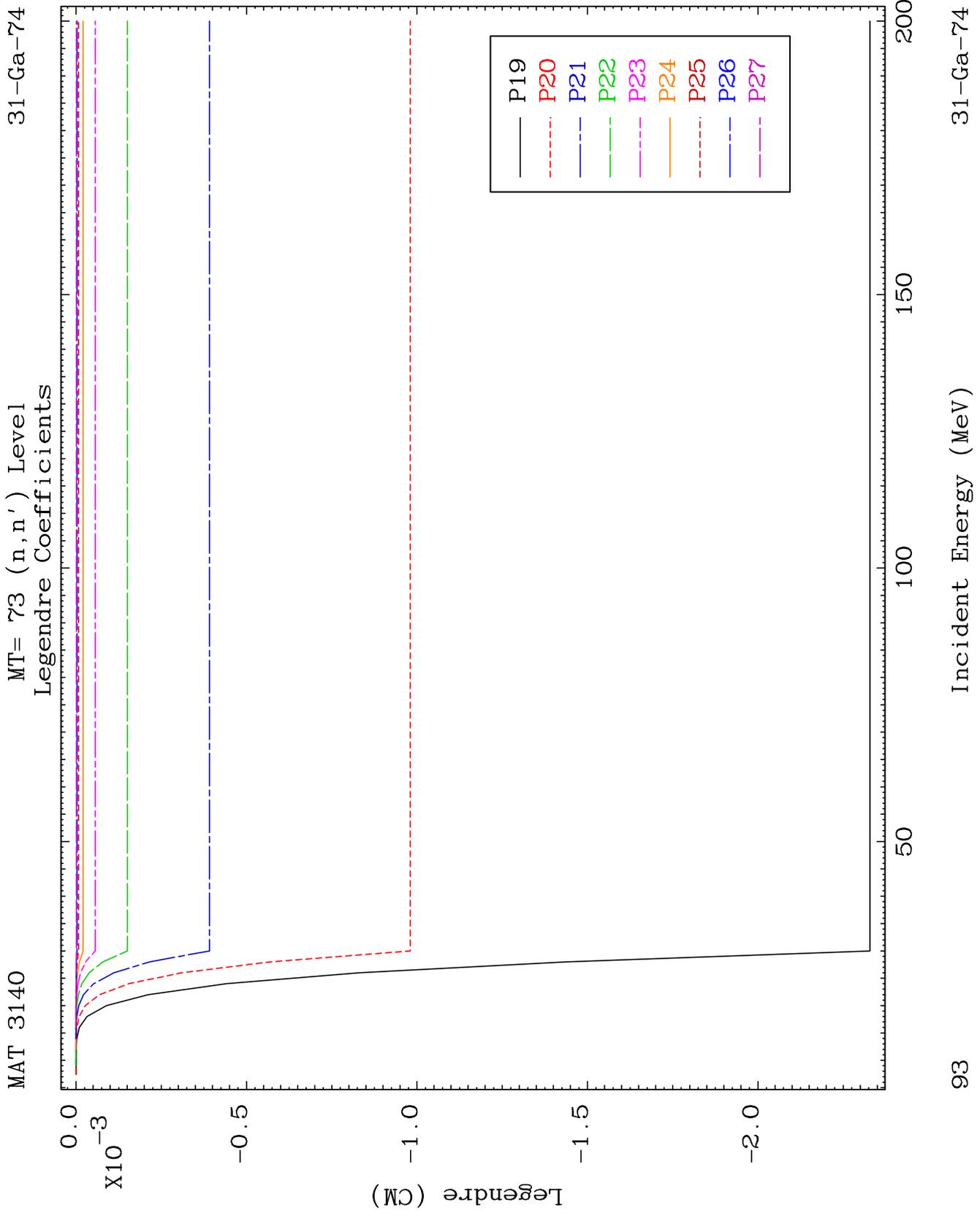


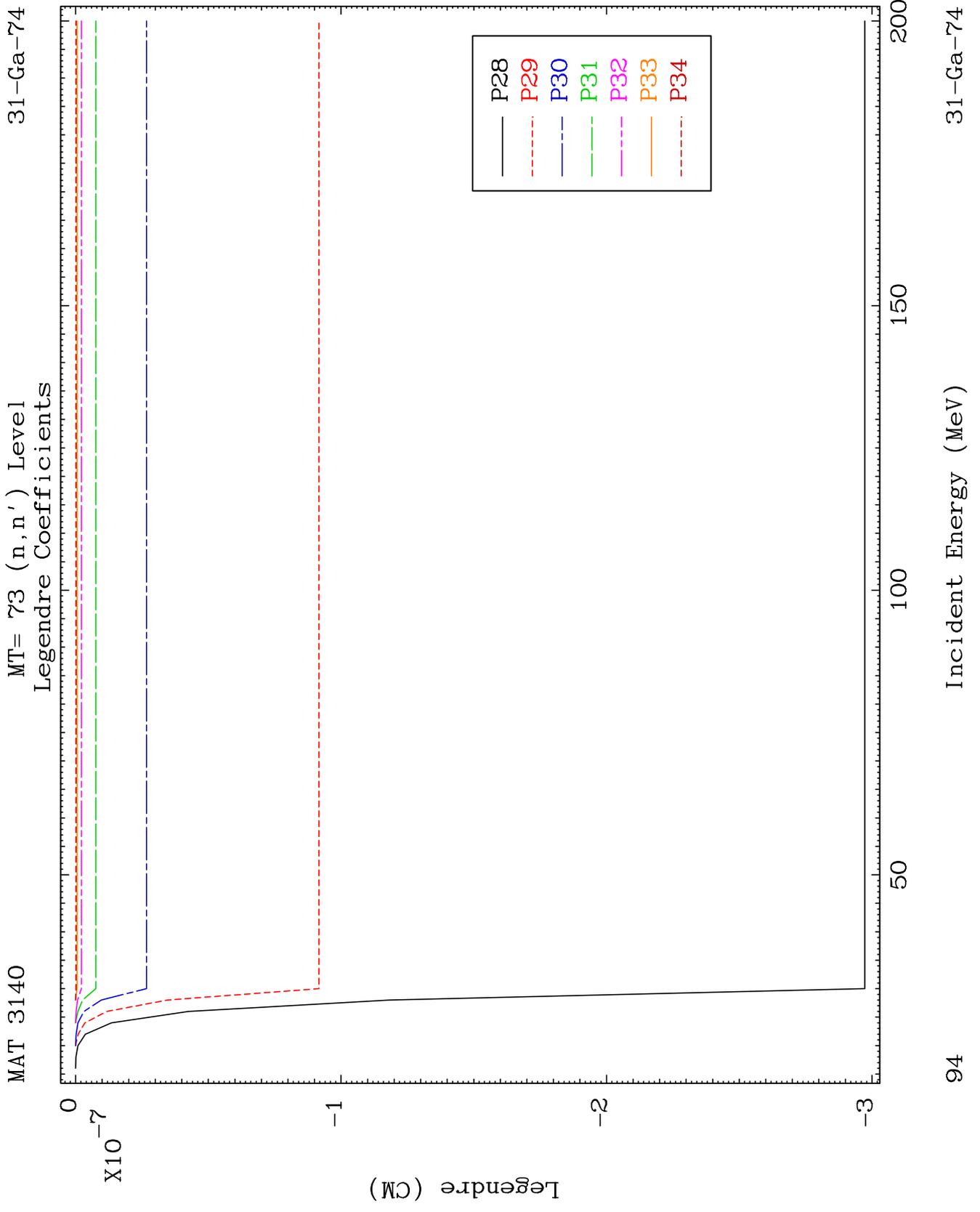
91

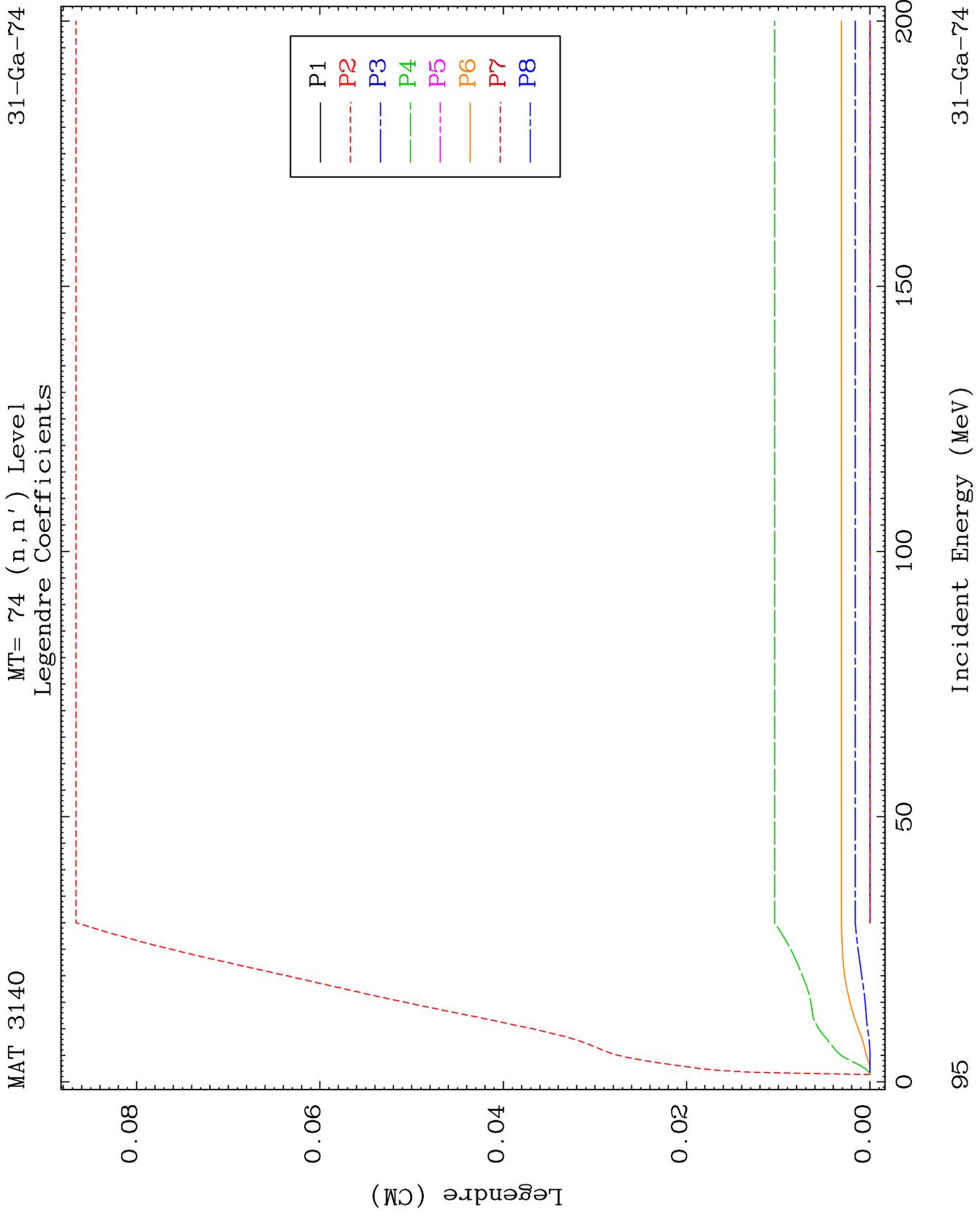
Incident Energy (MeV)

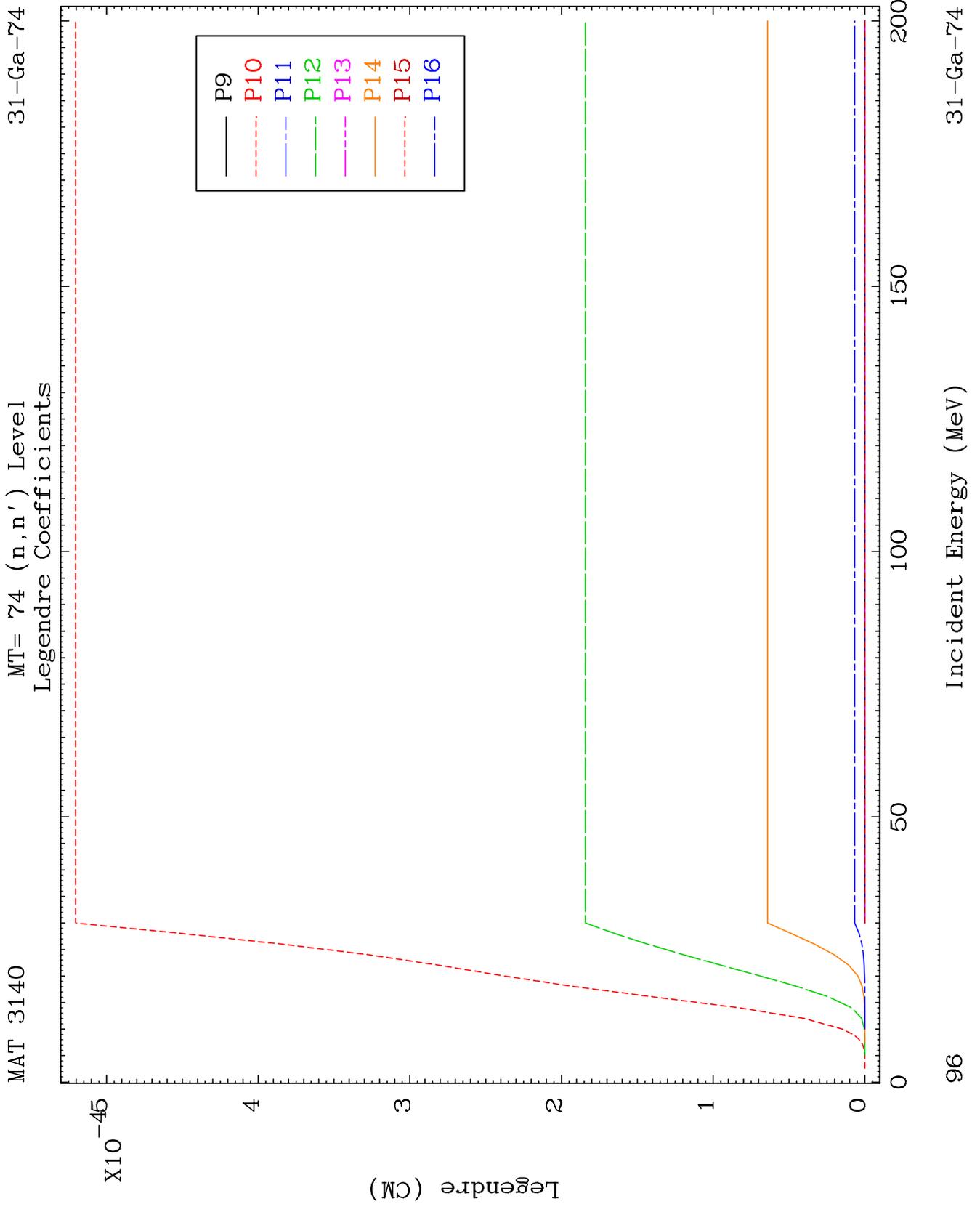
31-Ga-74







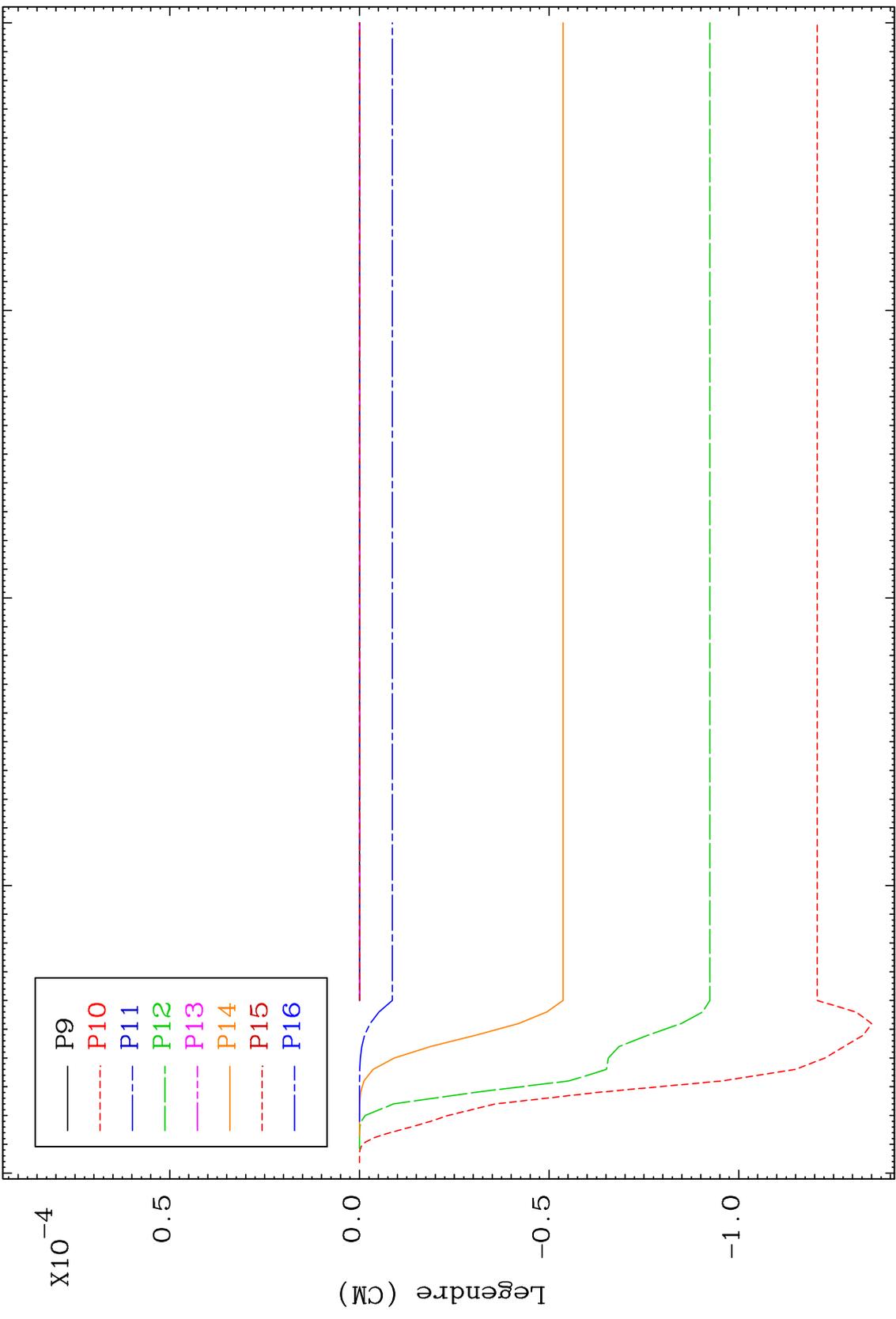
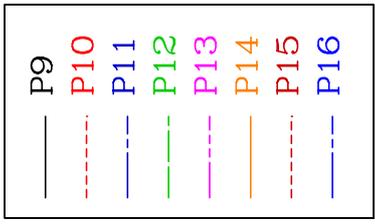




MAT 3140

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

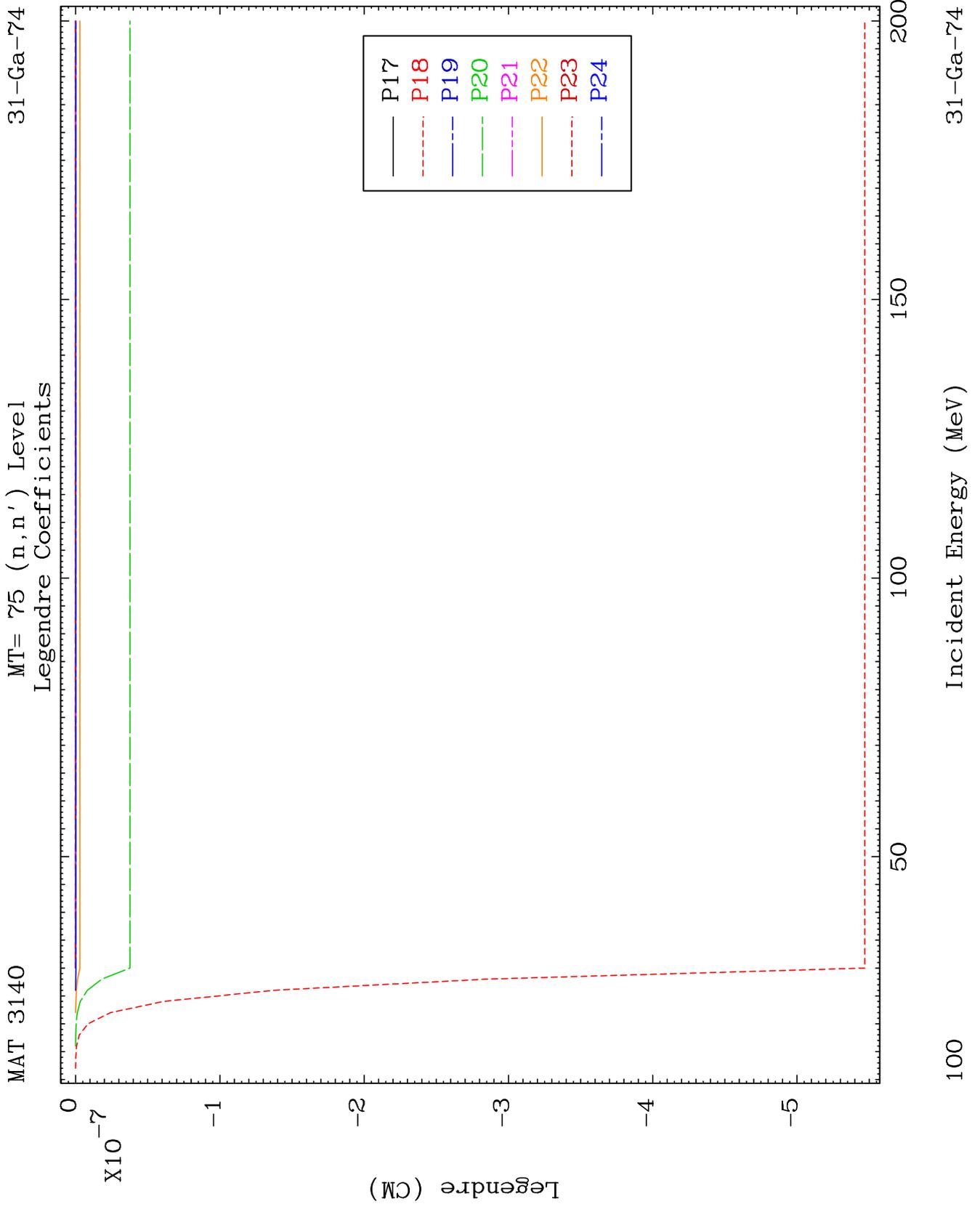
31-Ga-74



99

Incident Energy (MeV)

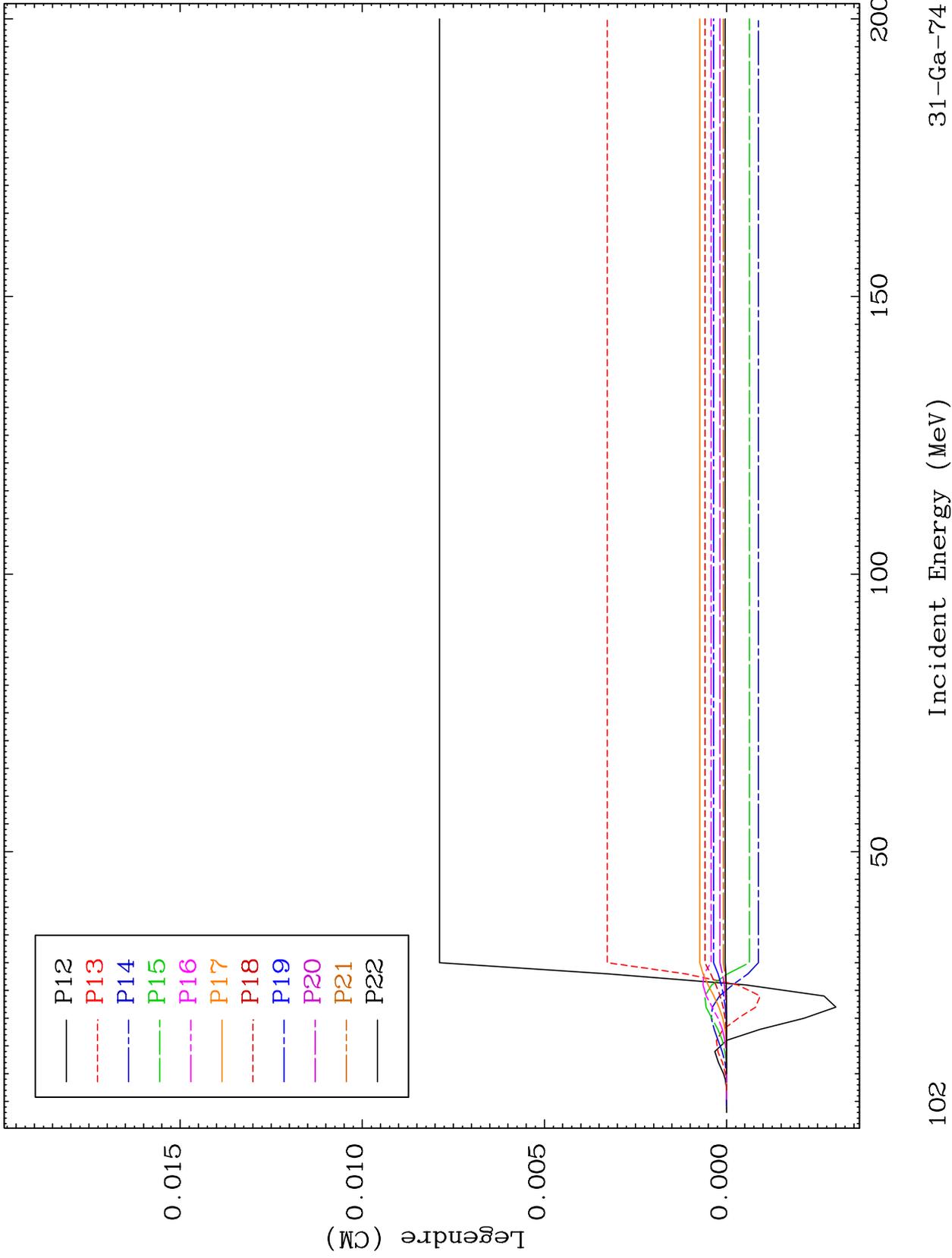
31-Ga-74



MAT 3140

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

31-Ga-74



102

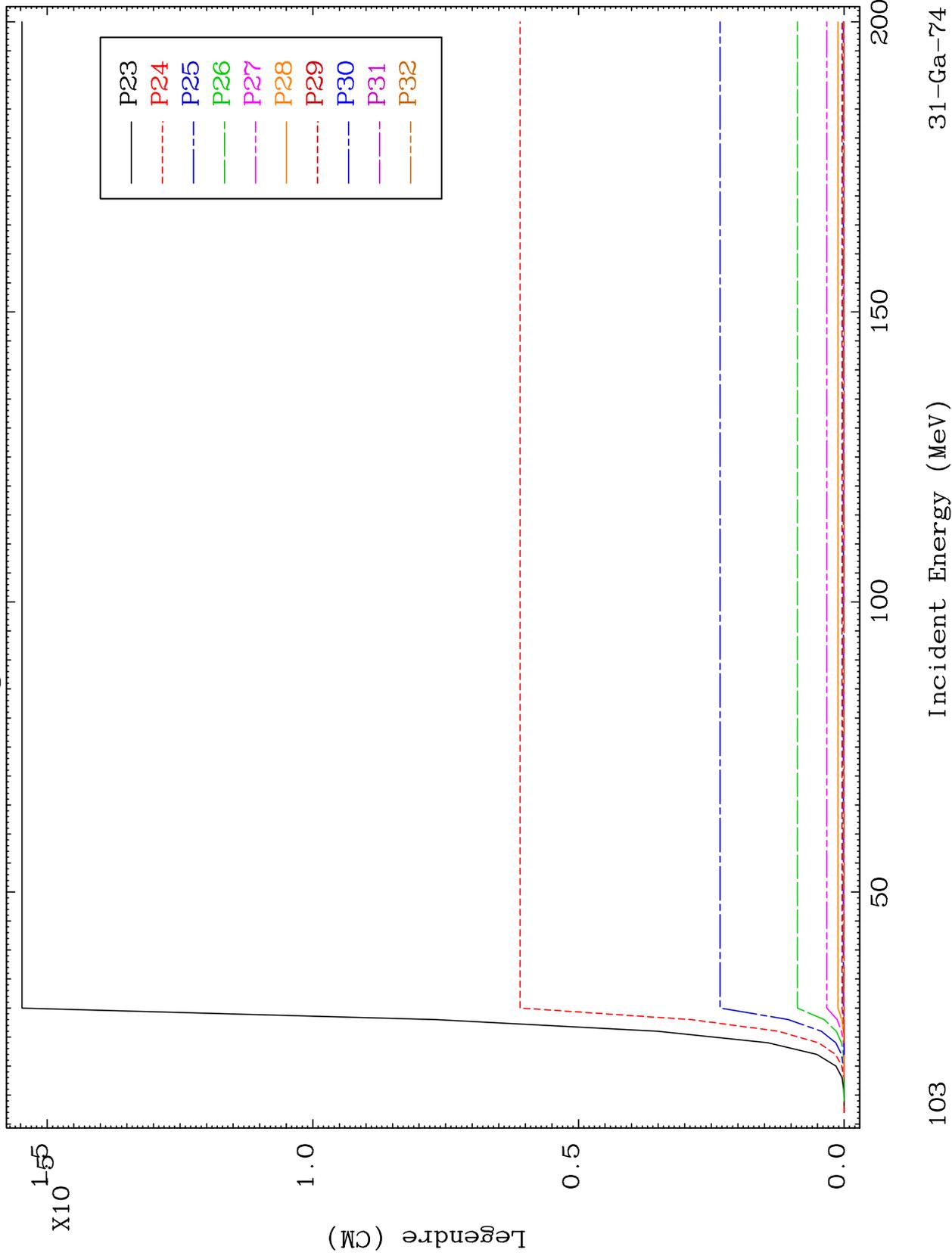
Incident Energy (MeV)

31-Ga-74

MAT 3140

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

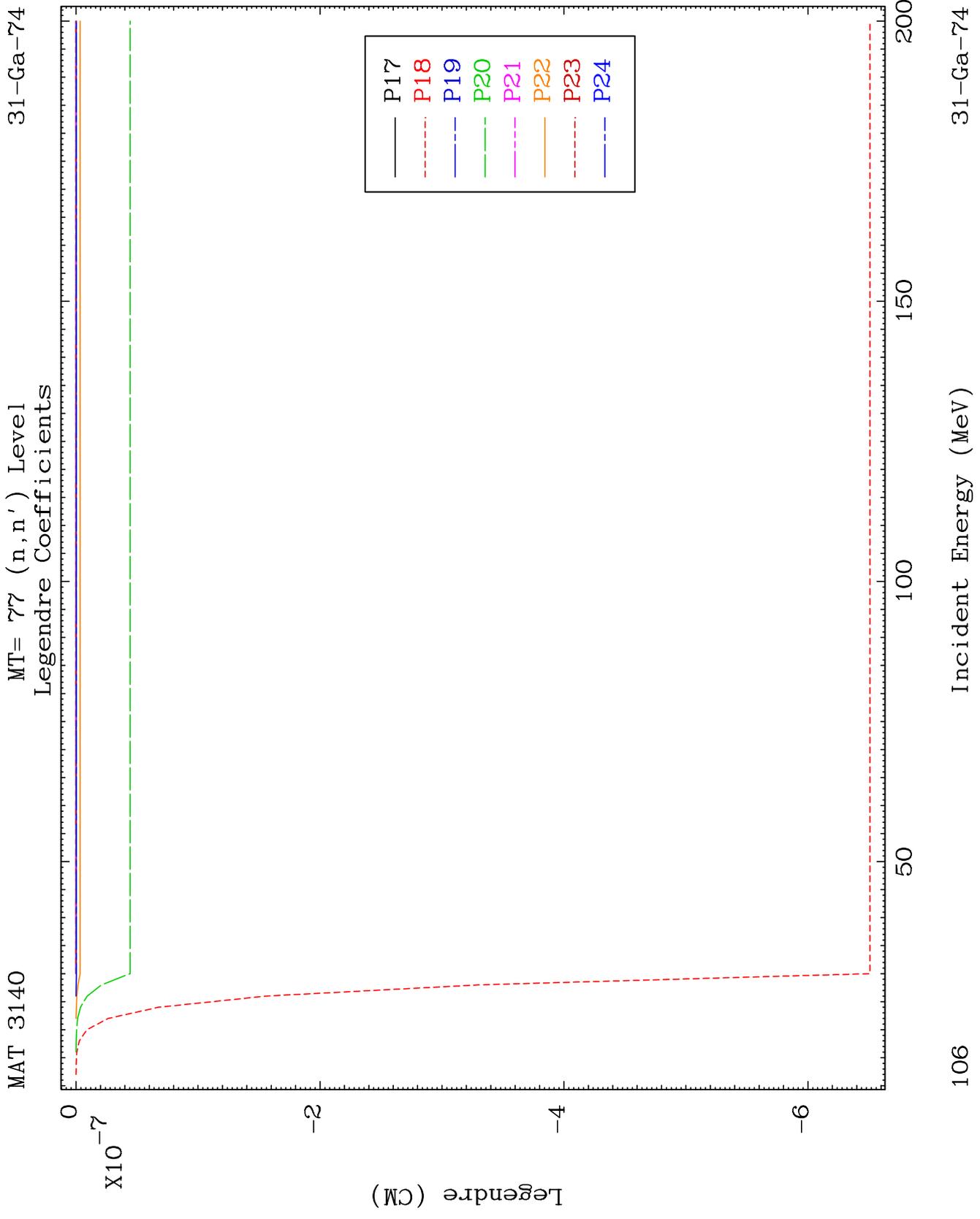
31-Ga-74

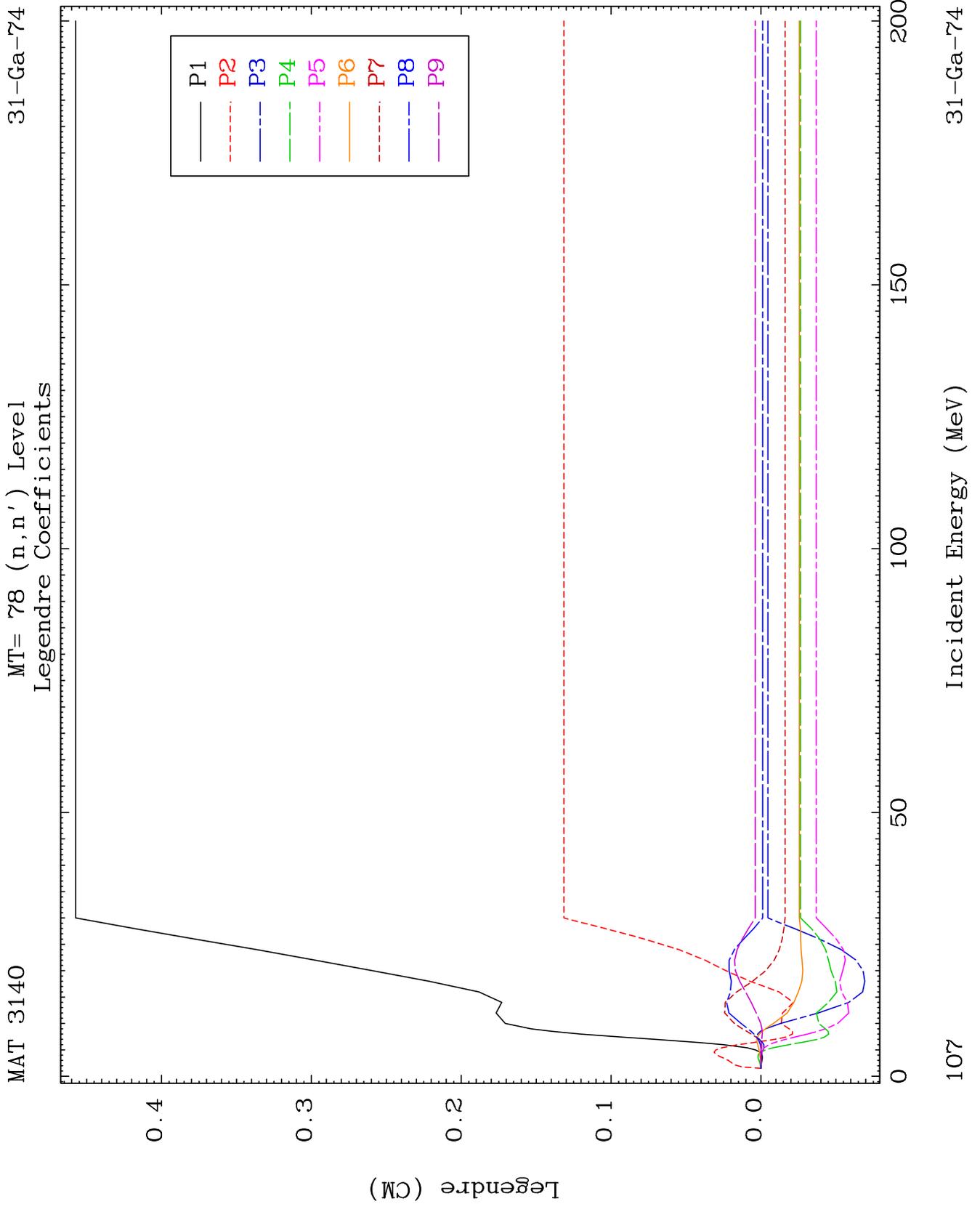


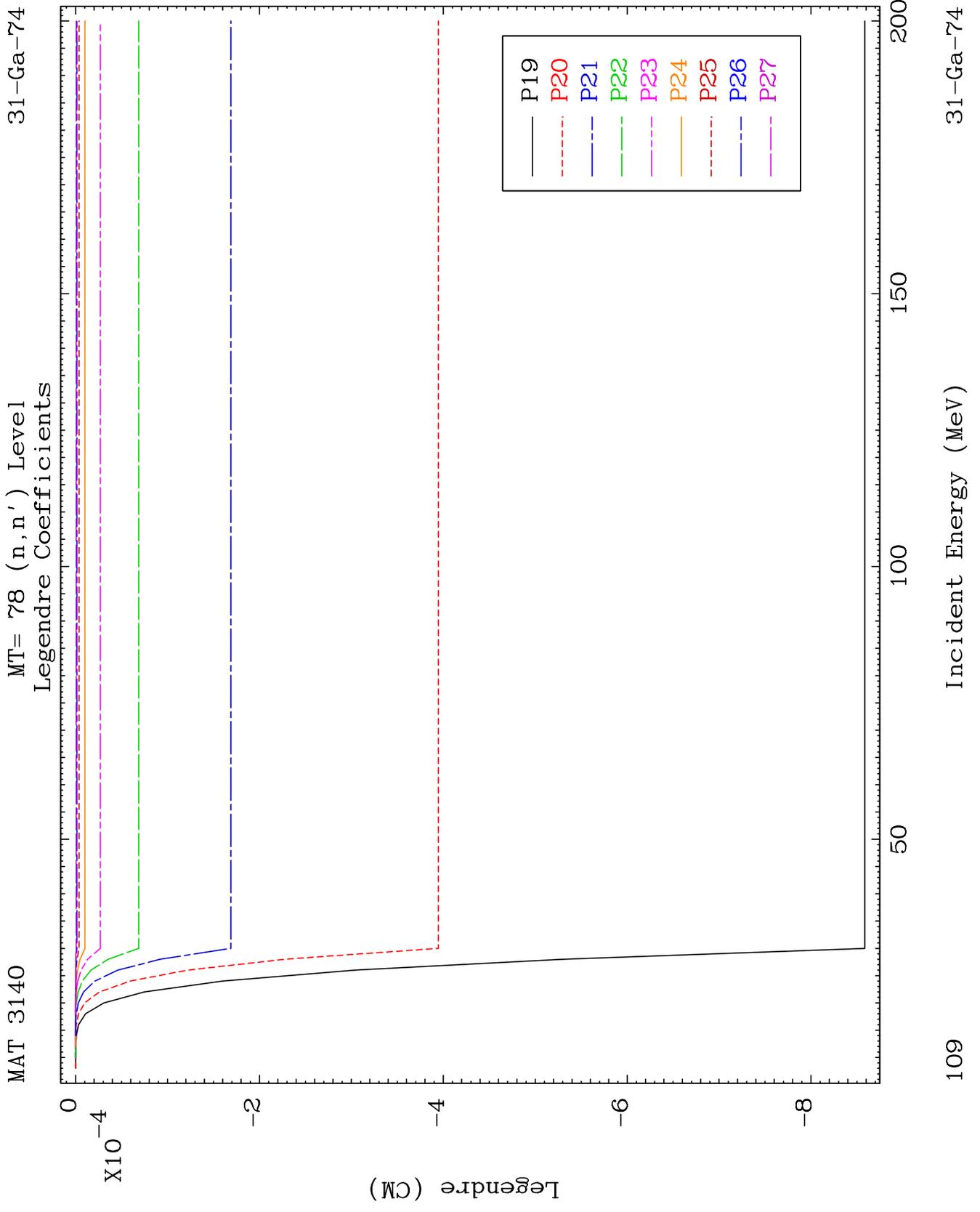
103

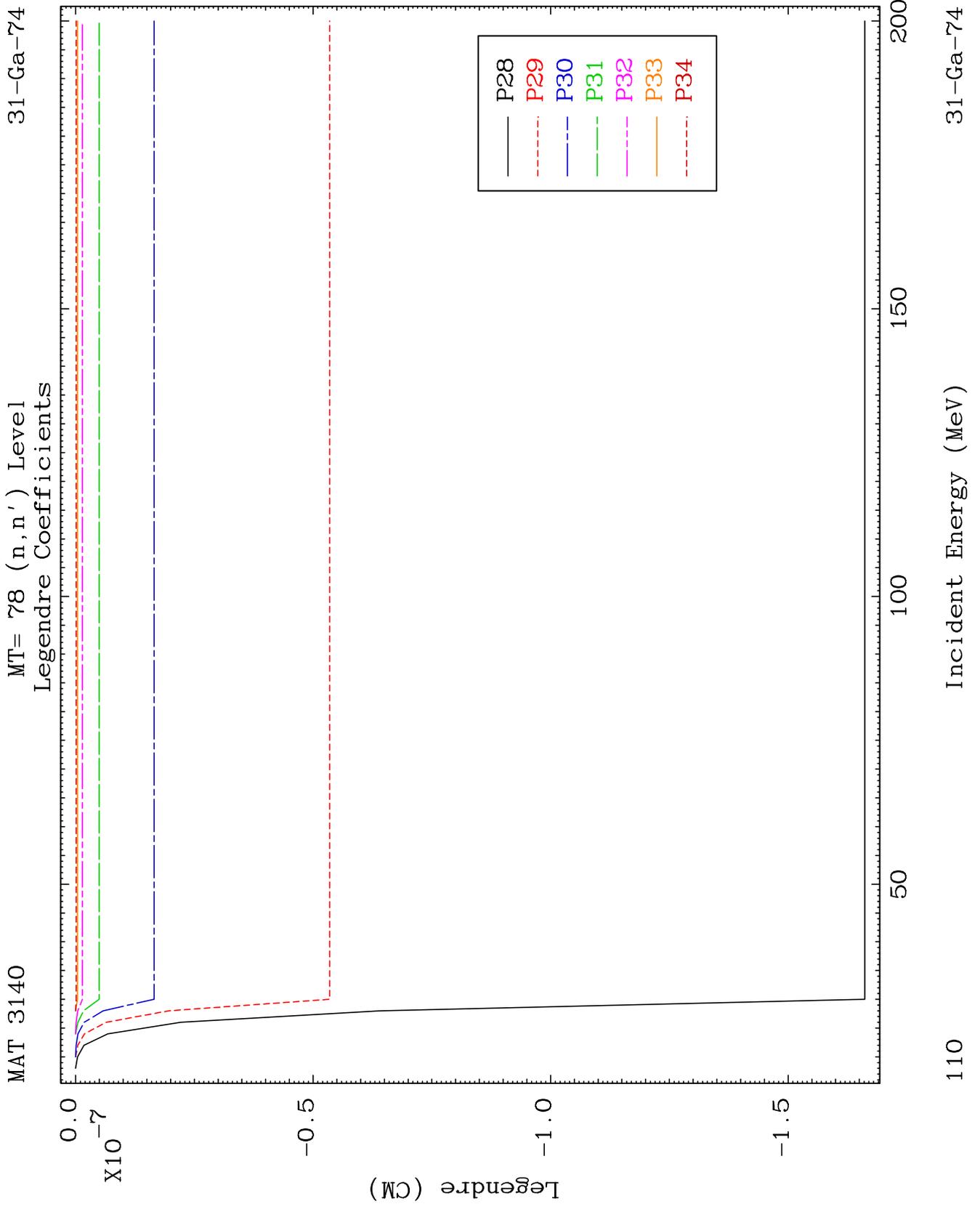
Incident Energy (MeV)

31-Ga-74





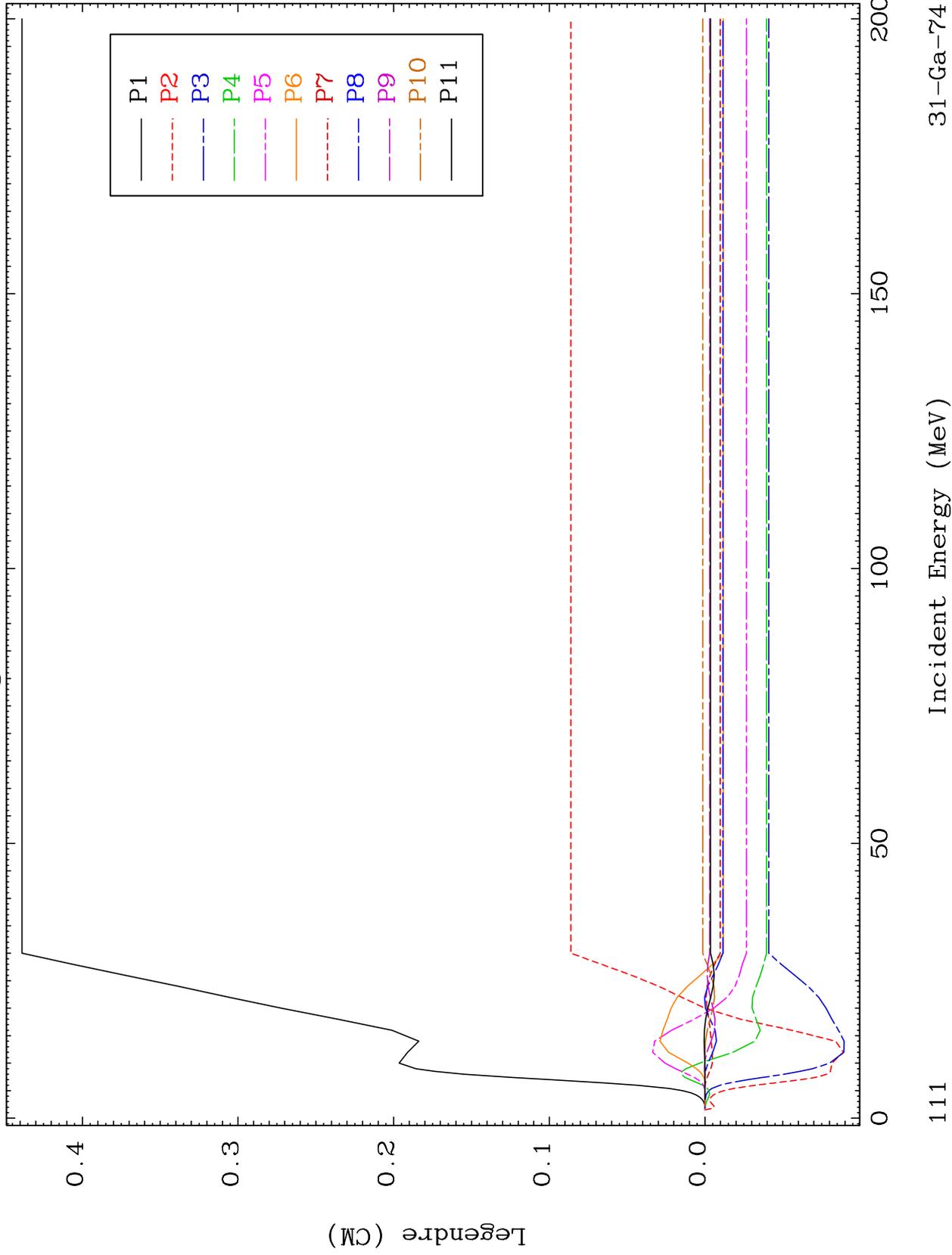




MAT 3140

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

³¹Ga-74



³¹Ga-74

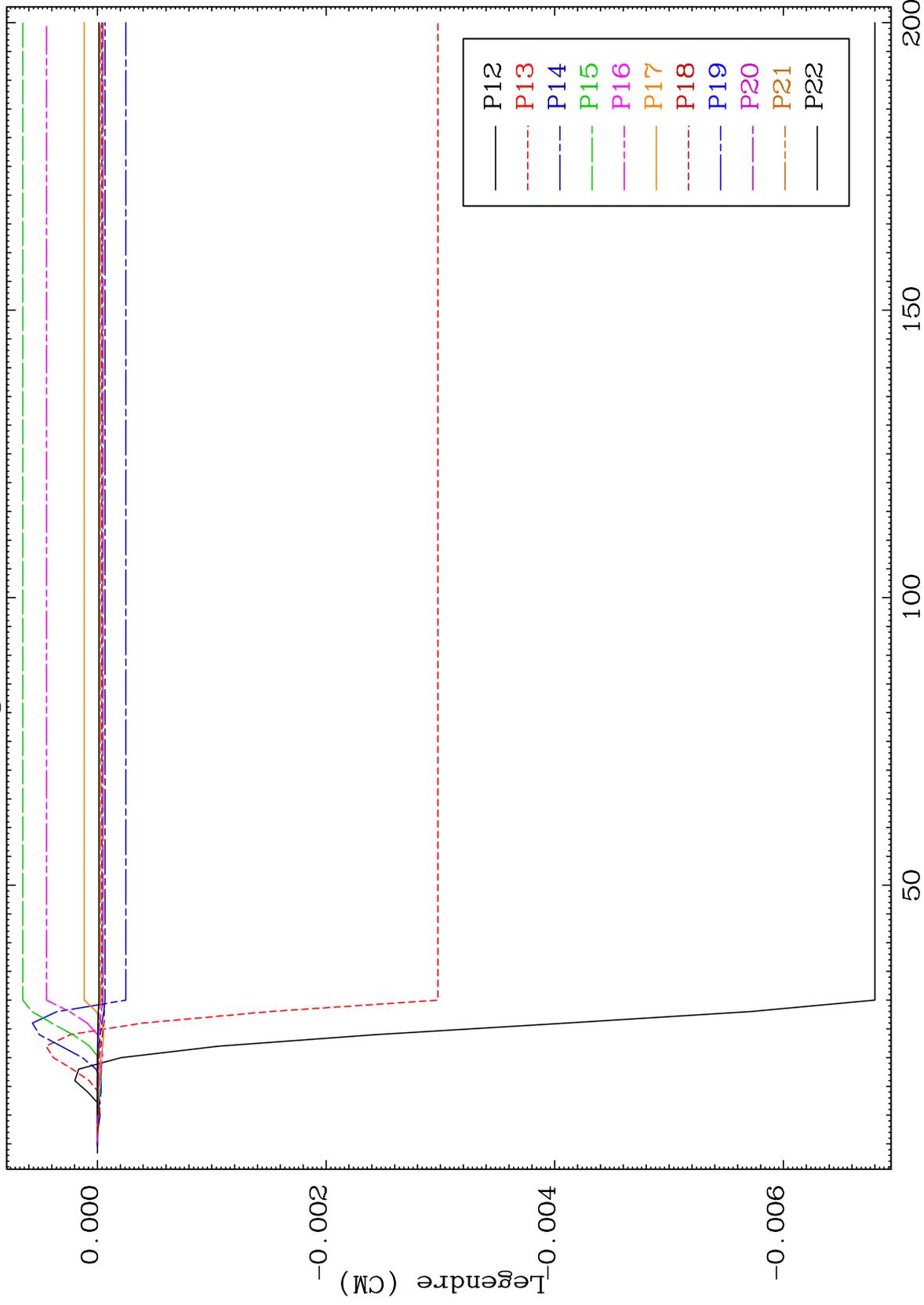
Incident Energy (MeV)

111

MAT 3140

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

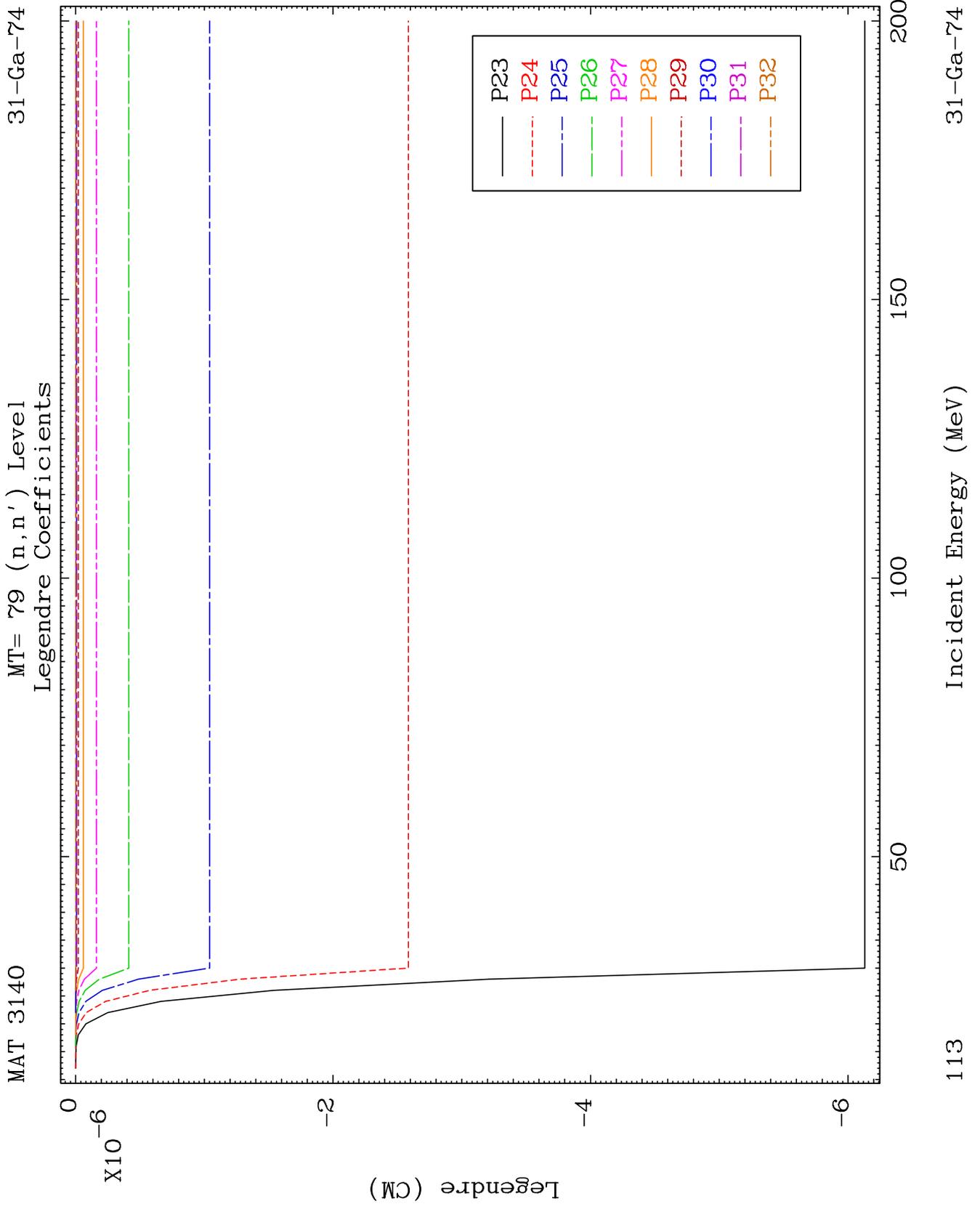
31-Ga-74

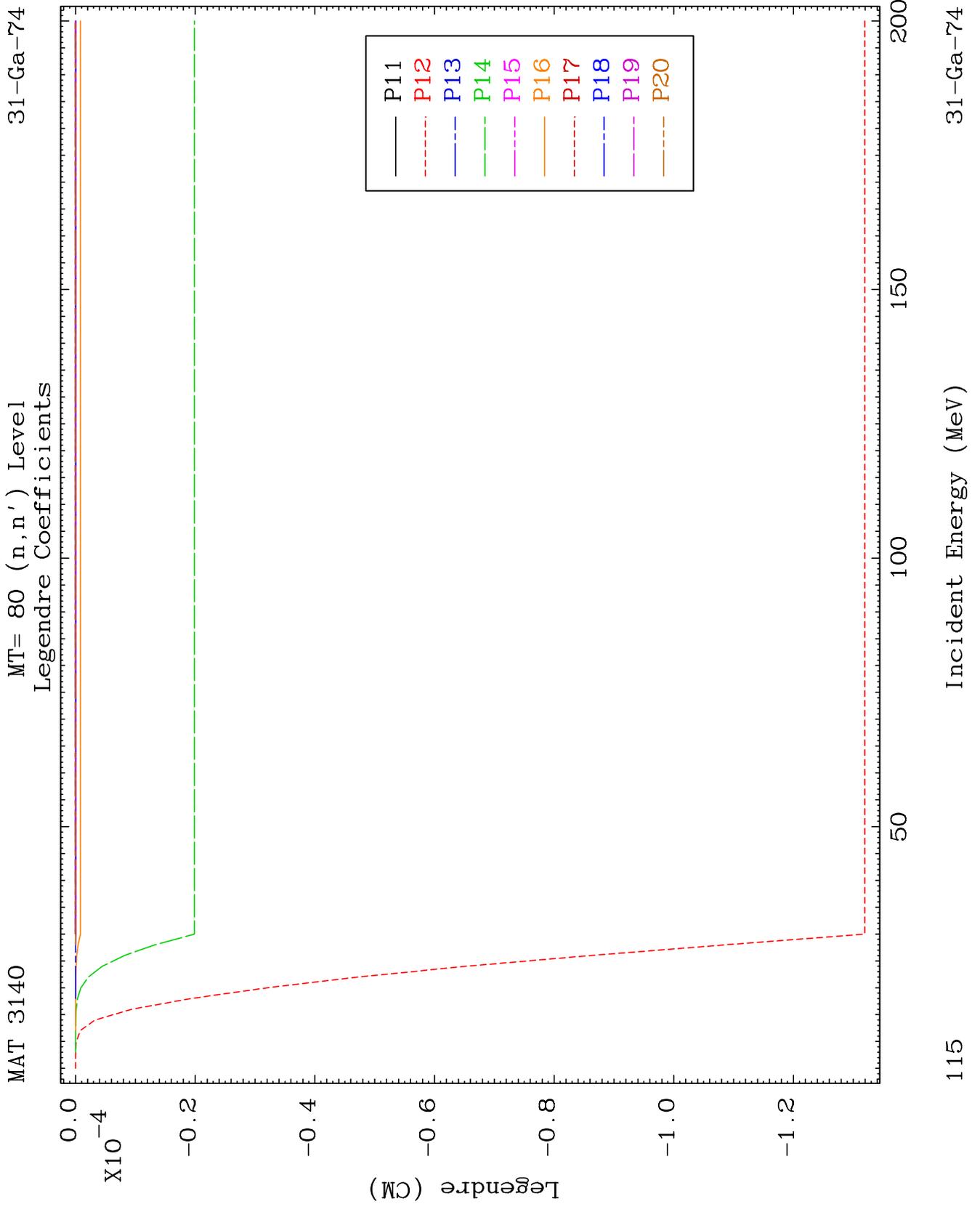


112

Incident Energy (MeV)

31-Ga-74

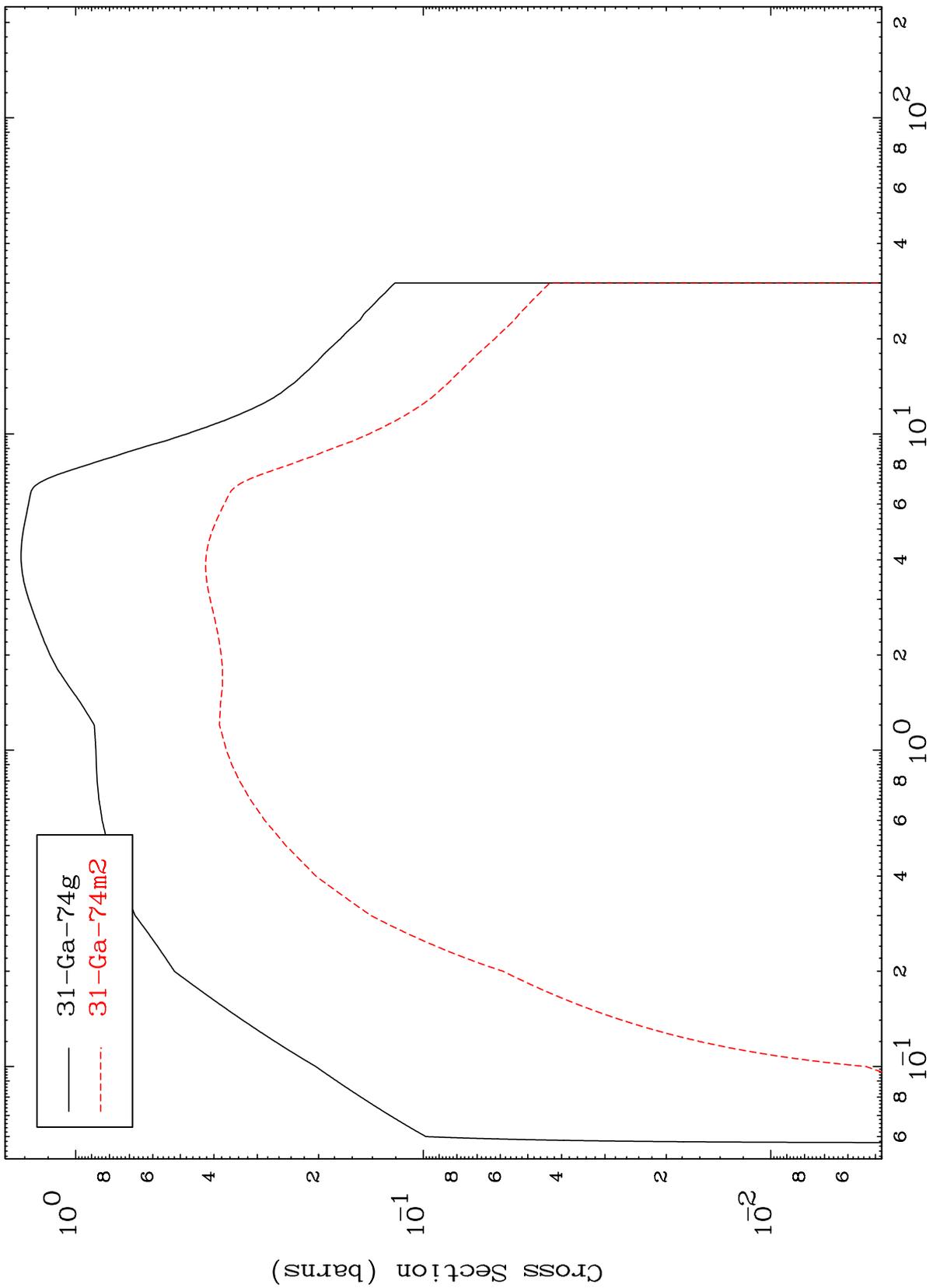




MAT 3140

31-Ga-74

Inelastic
Radionuclide Production Cross Section



— 31-Ga-74g
- - - 31-Ga-74m2

116

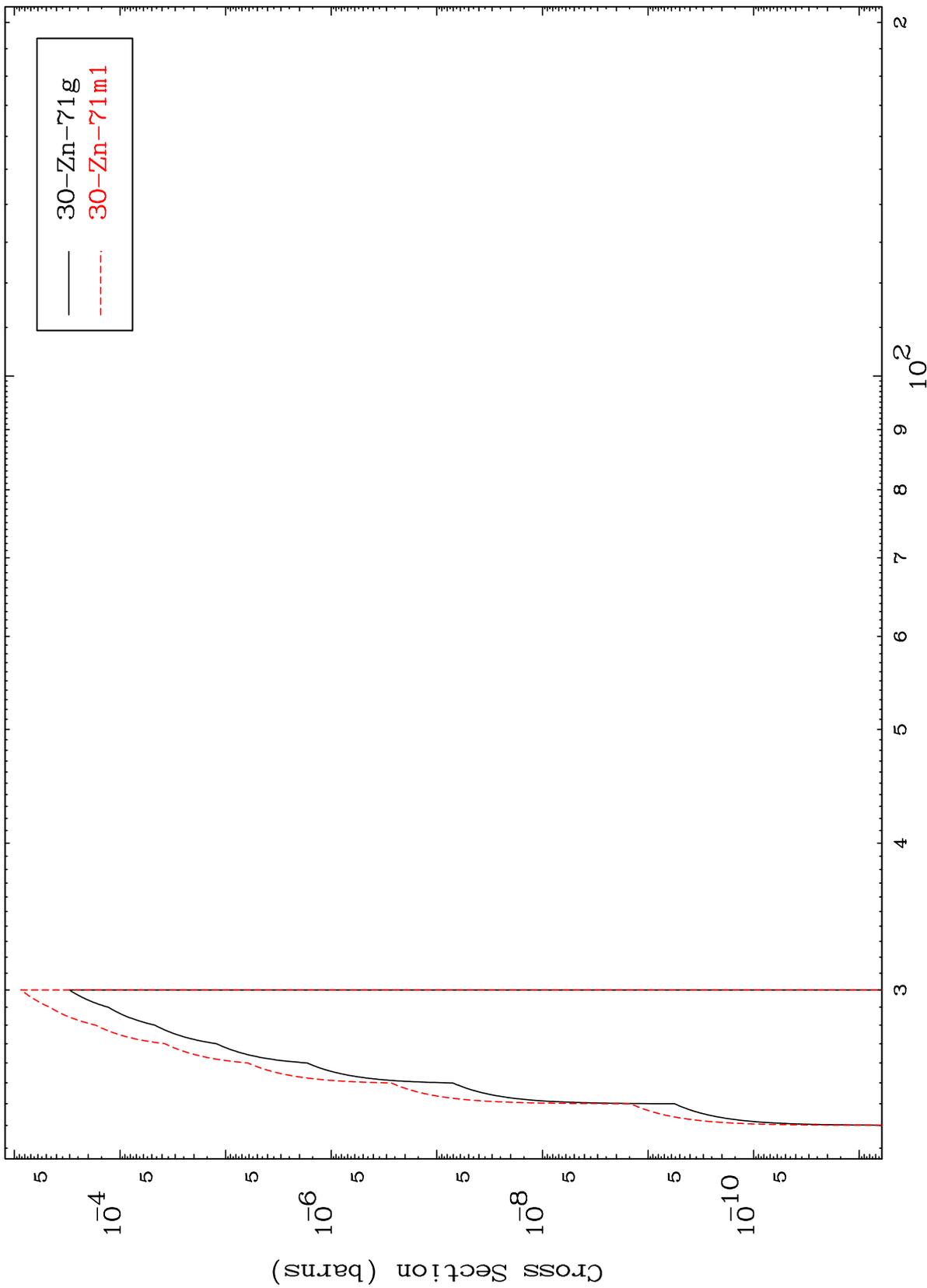
31-Ga-74

MAT 3140

(n,2n) d

31-Ga-74

Radionuclide Production Cross Section



117

Incident Energy (MeV)

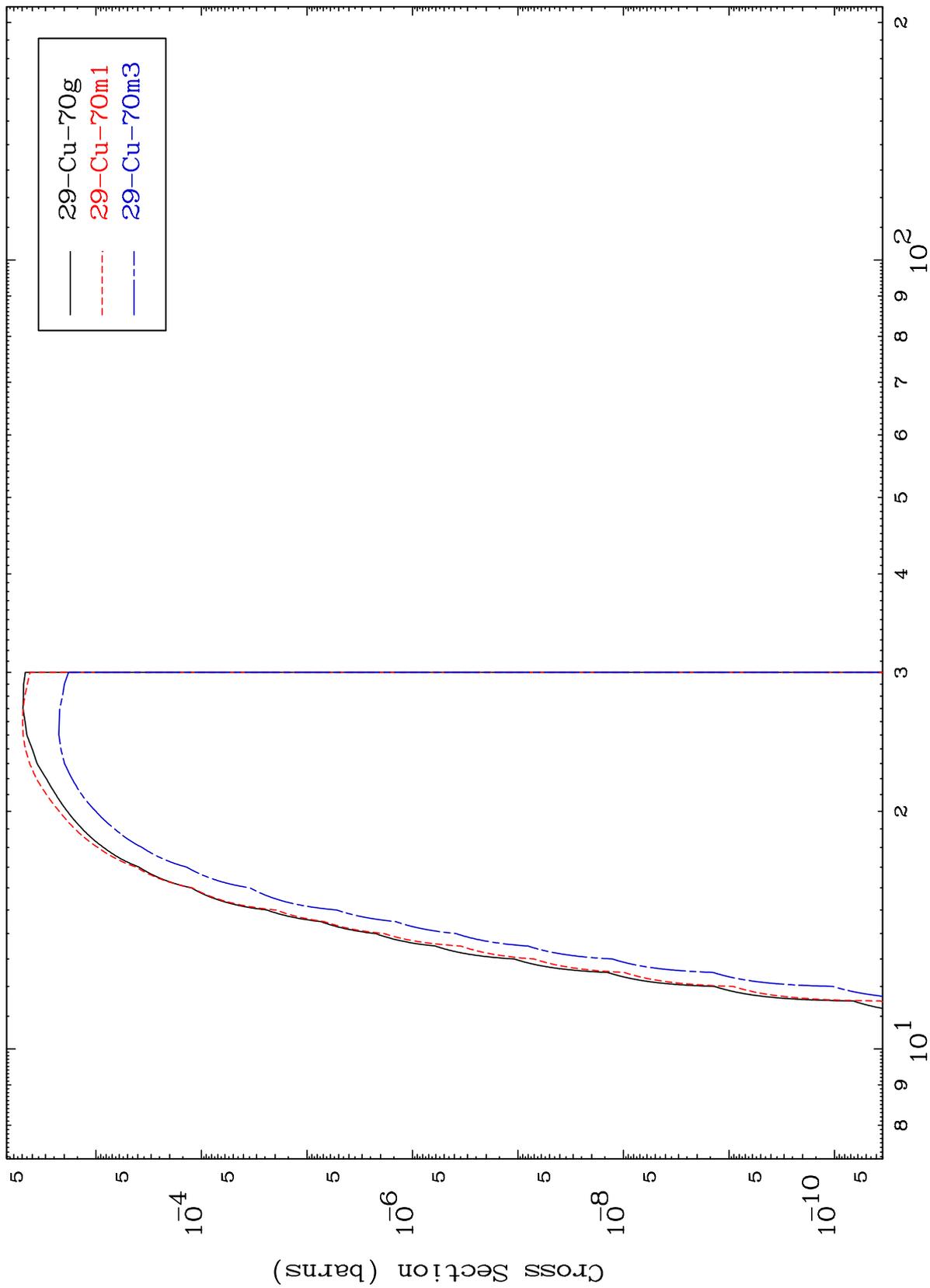
31-Ga-74

MAT 3140

$(n, n') \alpha$

31-Ga-74

Radionuclide Production Cross Section



118

Incident Energy (MeV)

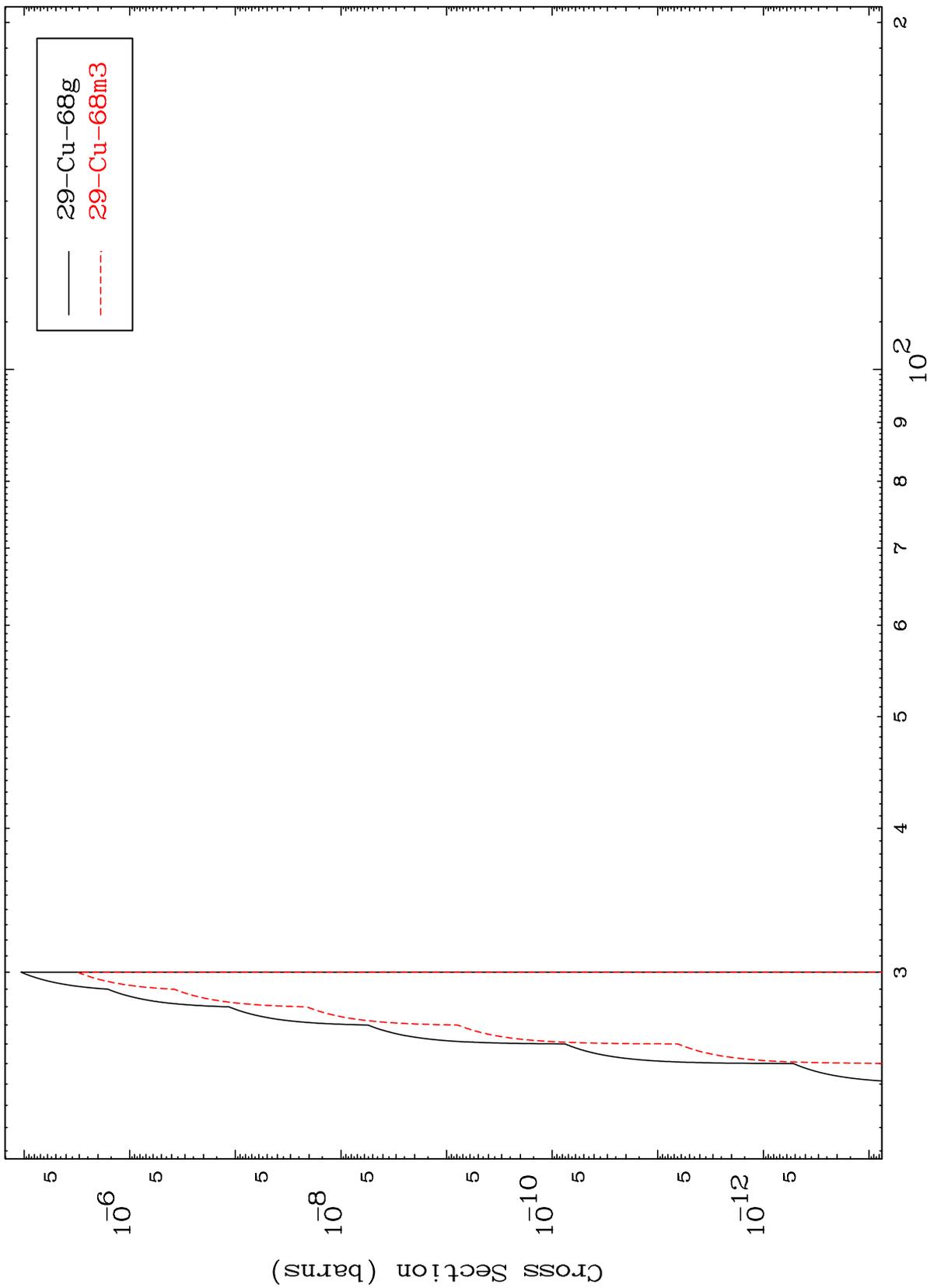
31-Ga-74

MAT 3140

$(n,3n) \alpha$

31-Ga-74

Radionuclide Production Cross Section



— 29-Cu-68g
- - - 29-Cu-68m3

119

Incident Energy (MeV)

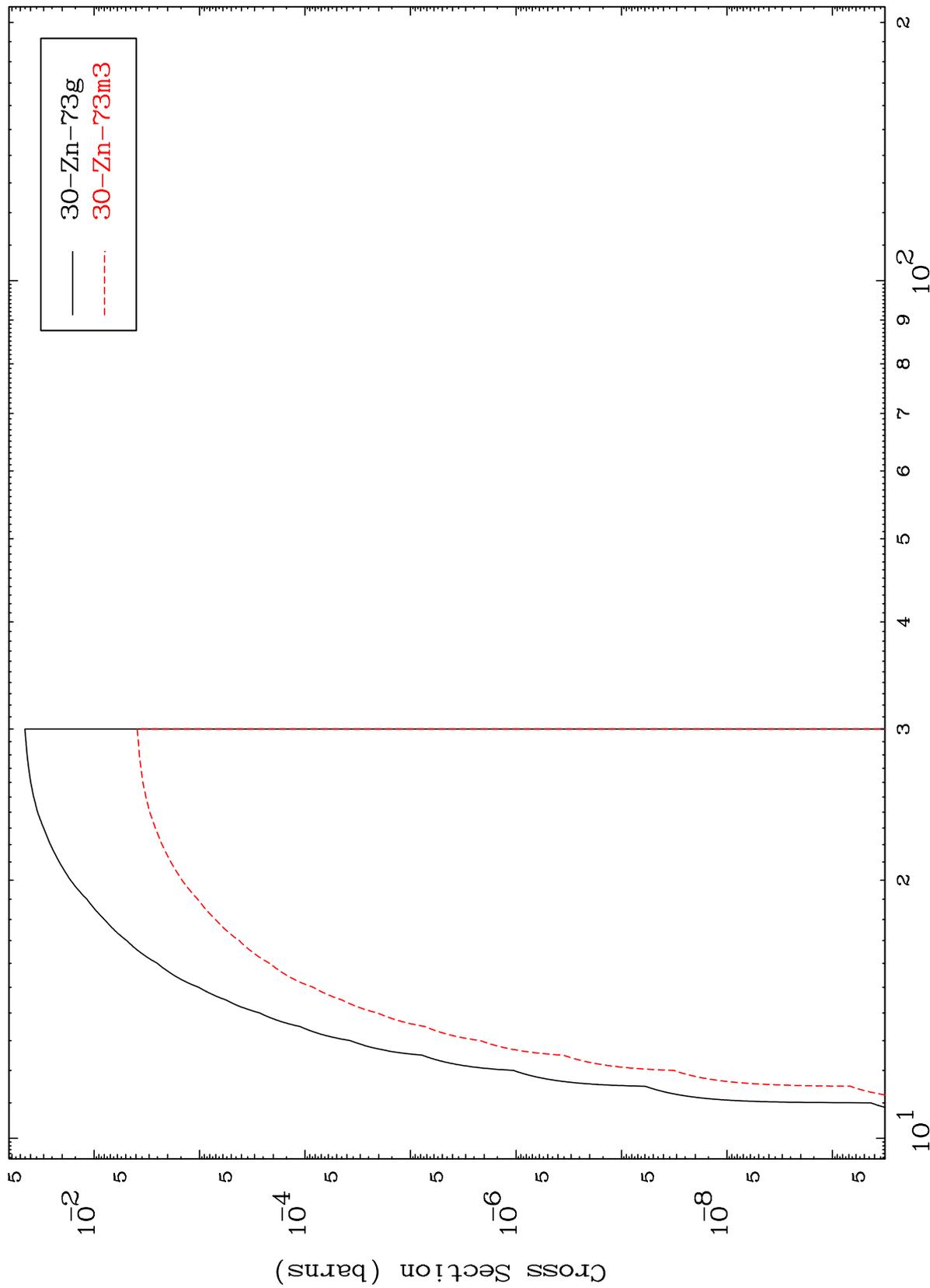
31-Ga-74

MAT 3140

(n,n') p

31-Ga-74

Radionuclide Production Cross Section



Incident Energy (MeV)

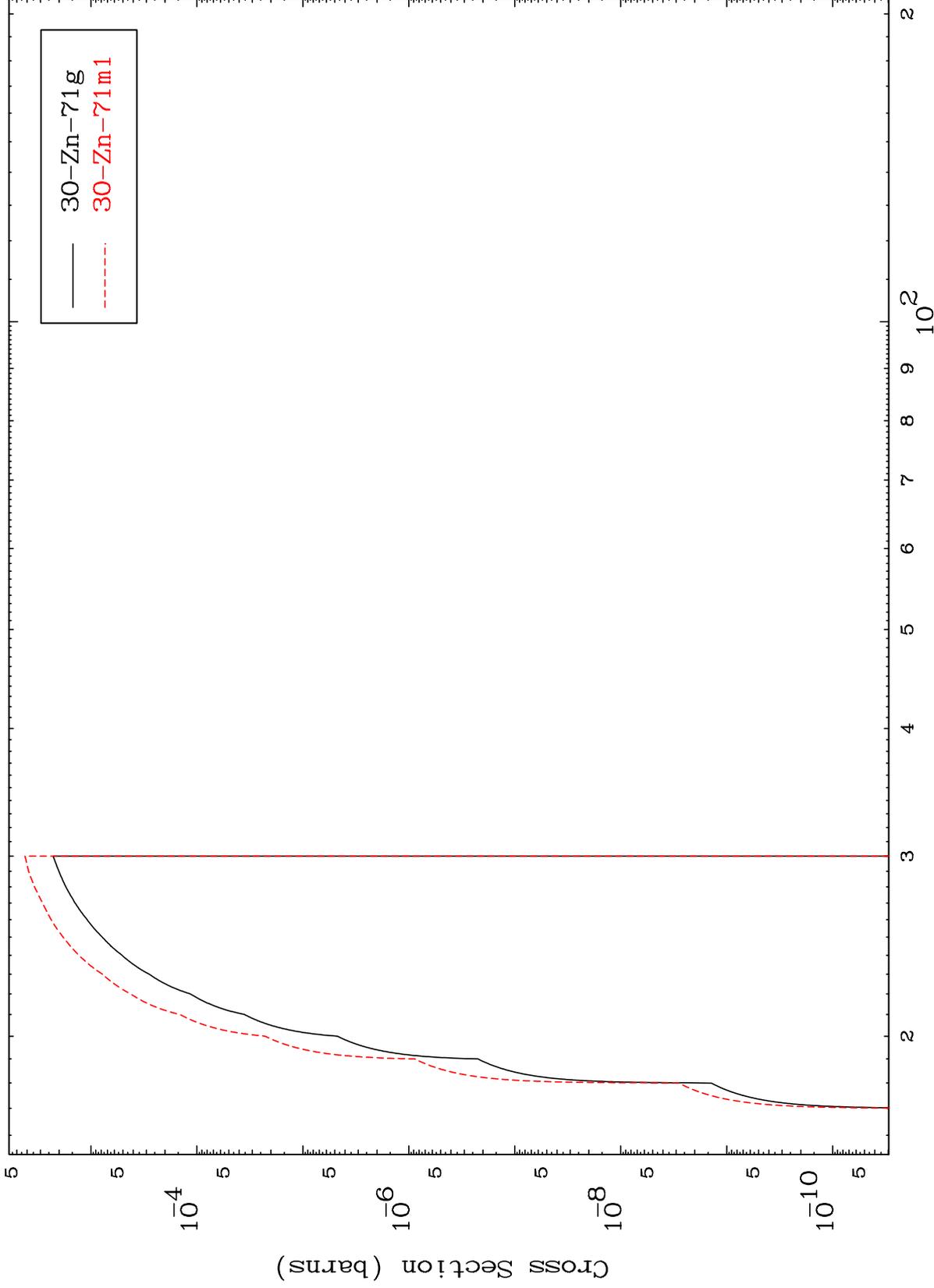
31-Ga-74

MAT 3140

(n,n') t

31-Ga-74

Radionuclide Production Cross Section



121

Incident Energy (MeV)

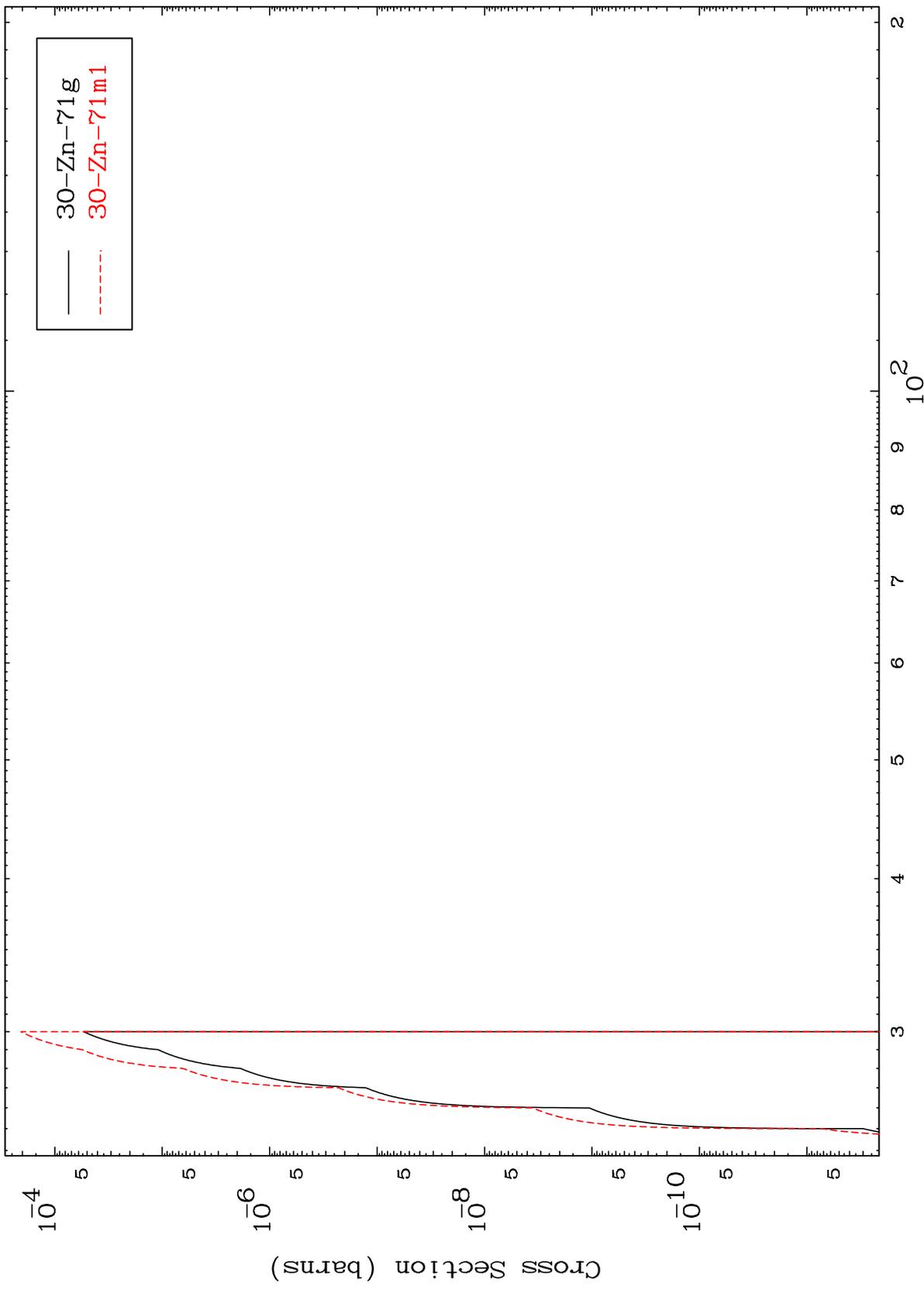
31-Ga-74

MAT 3140

(n,3n) p

31-Ga-74

Radionuclide Production Cross Section



122

Incident Energy (MeV)

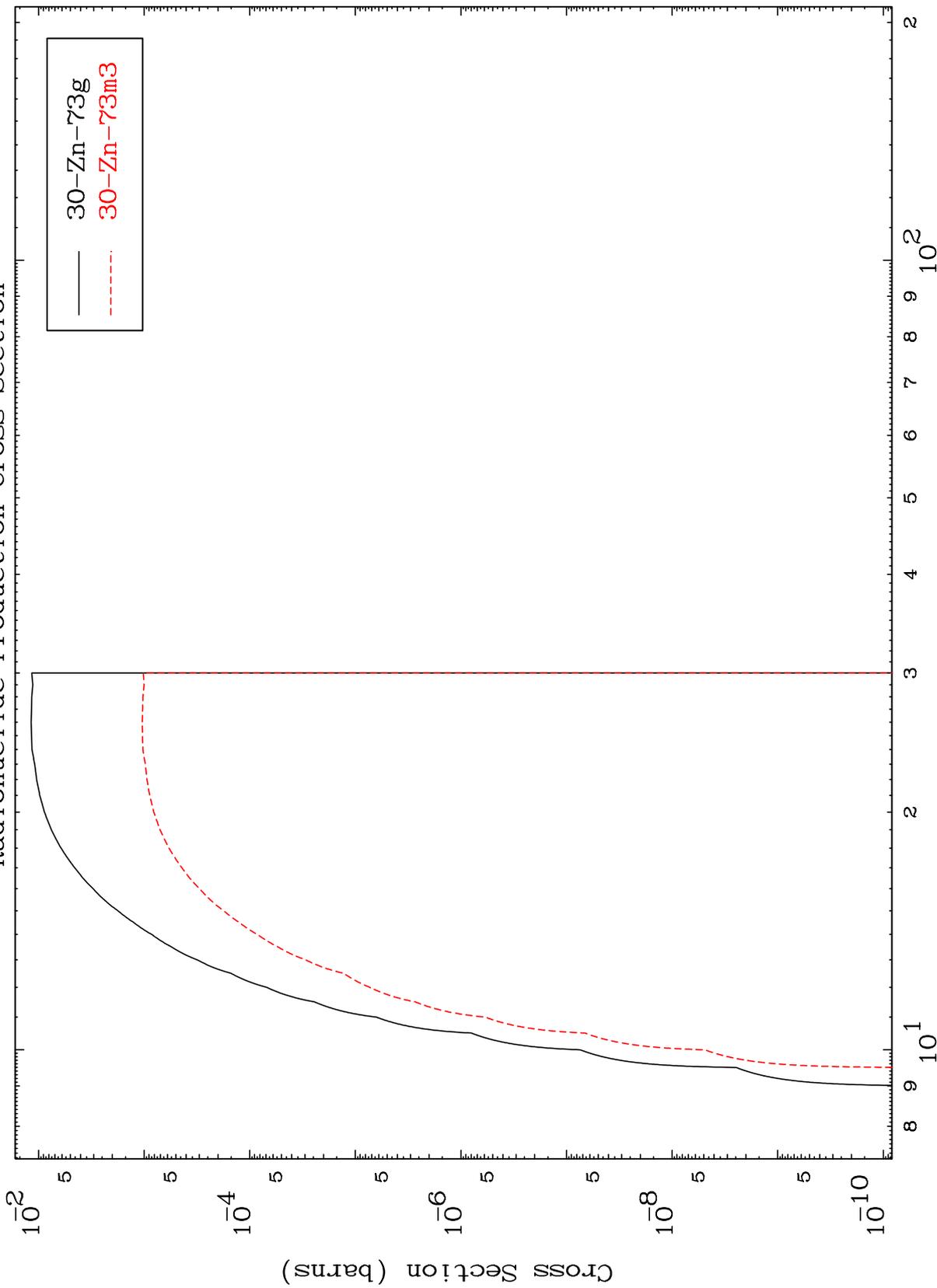
31-Ga-74

MAT 3140

(n,d)

31-Ga-74

Radionuclide Production Cross Section



30-Zn-73g
30-Zn-73m3

123

Incident Energy (MeV)

31-Ga-74