

Program EVALPLOT
(Version 2017-1)

by

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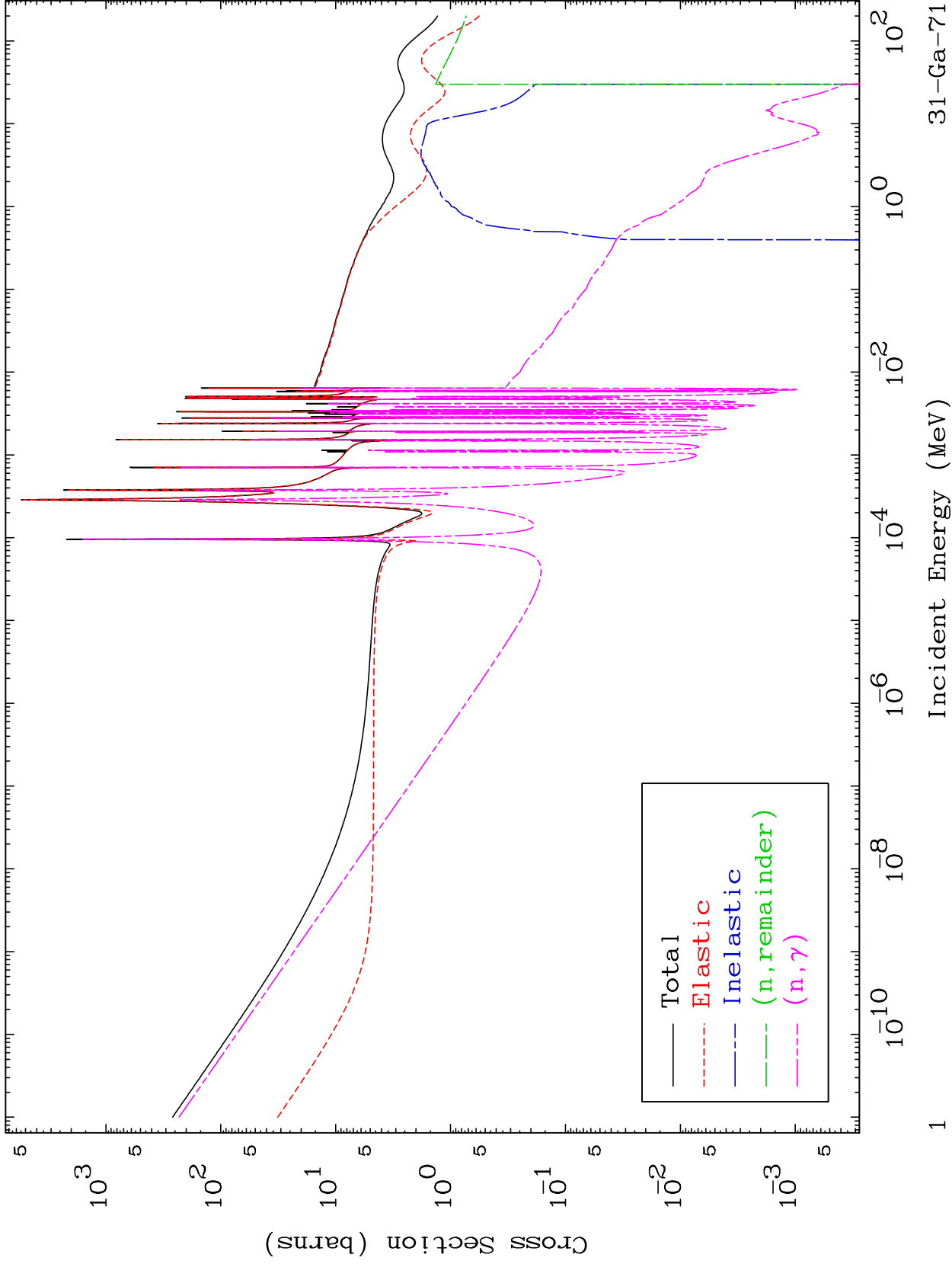
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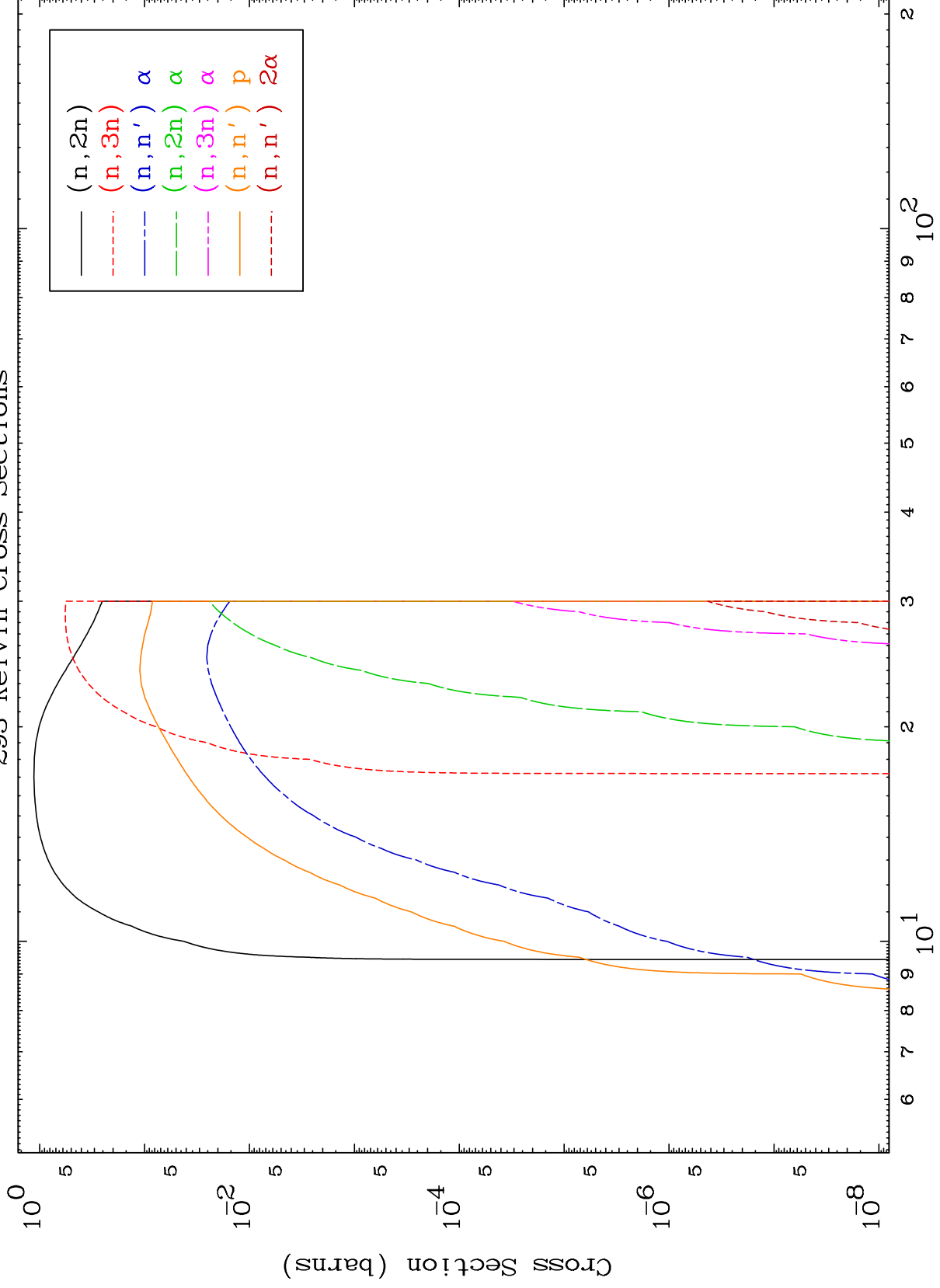
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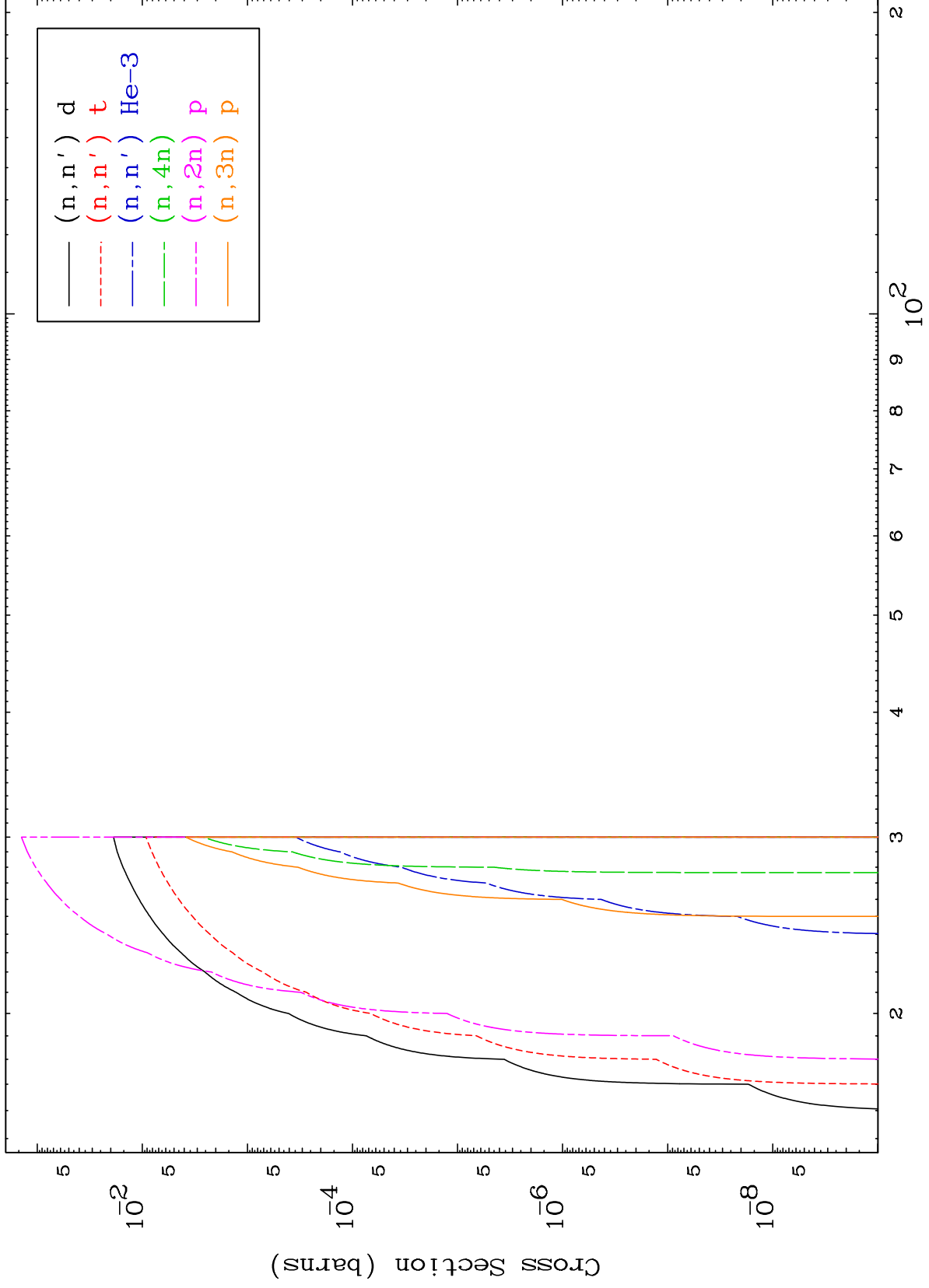
MAT 3131

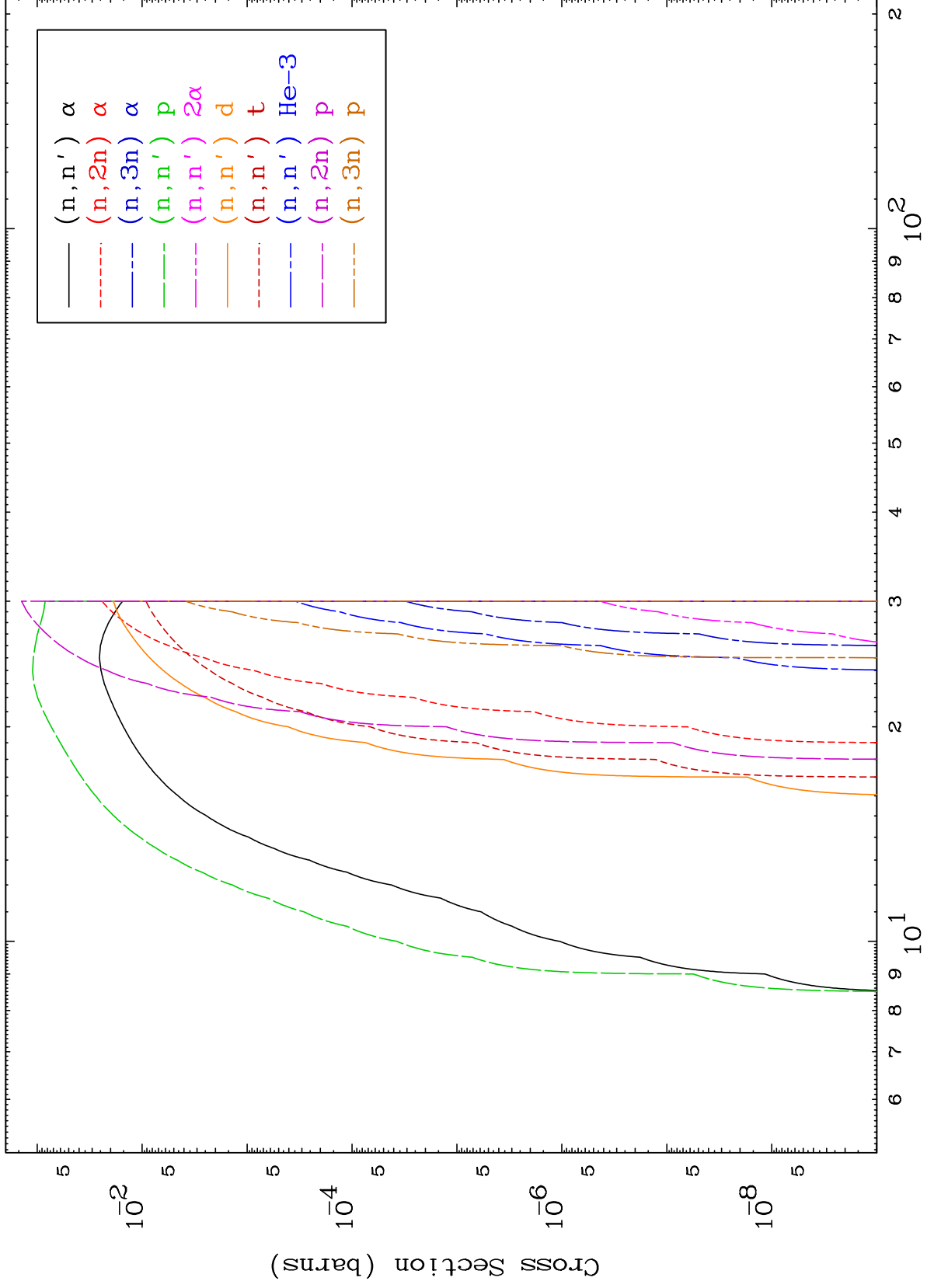
Major
293 Kelvin Cross Sections

31-Ga-71





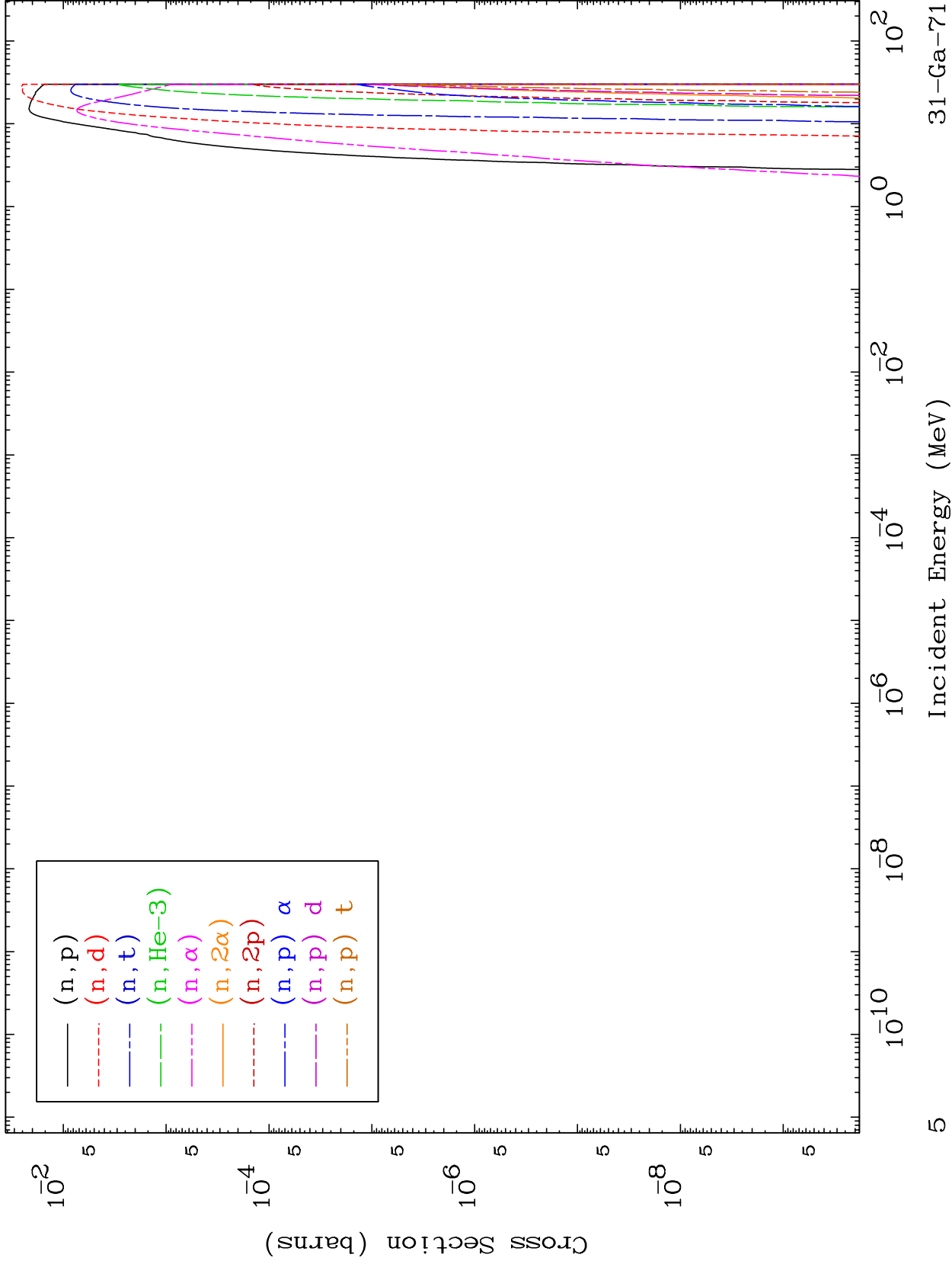




MAT 3131

Charged Particle
293 Kelvin Cross Sections

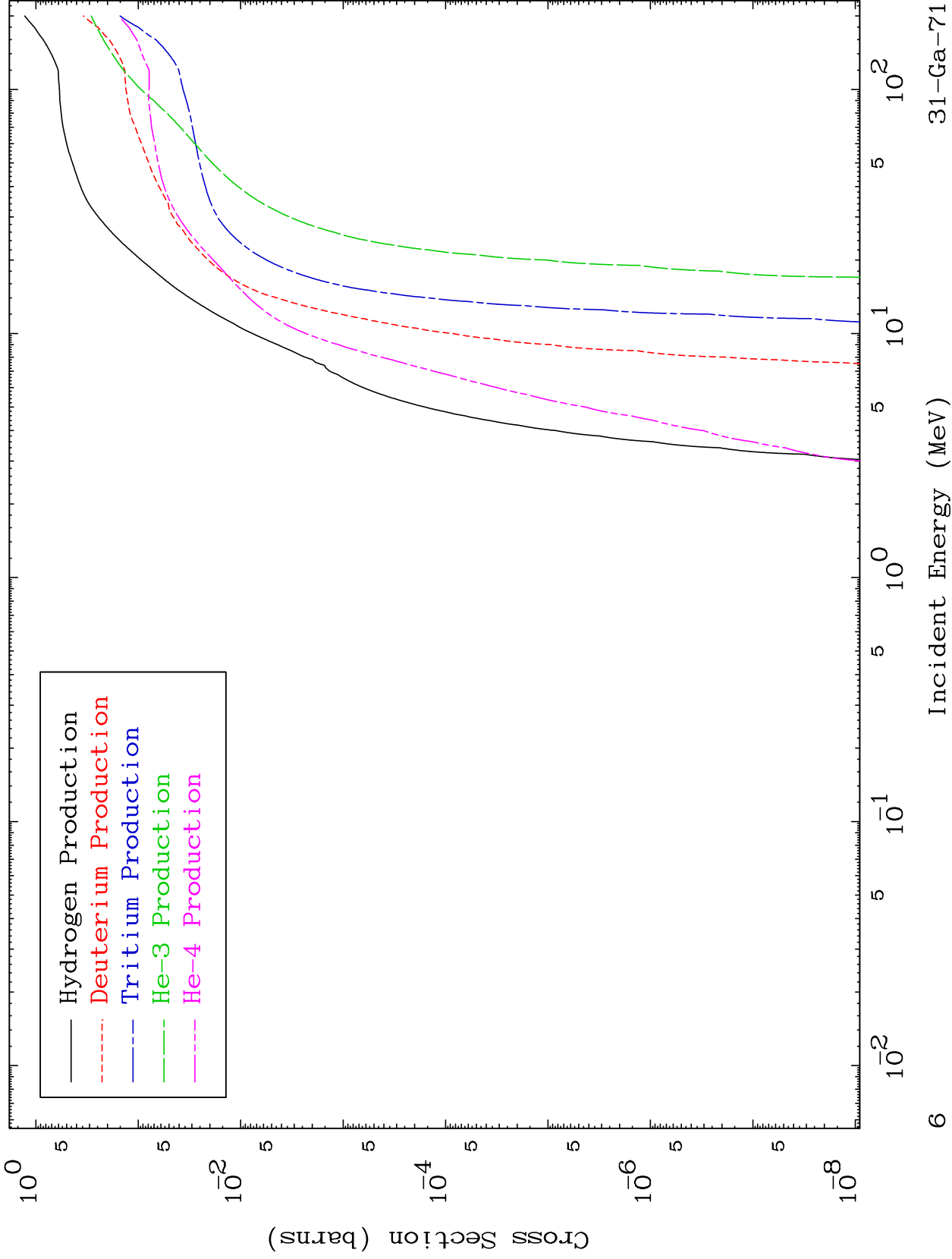
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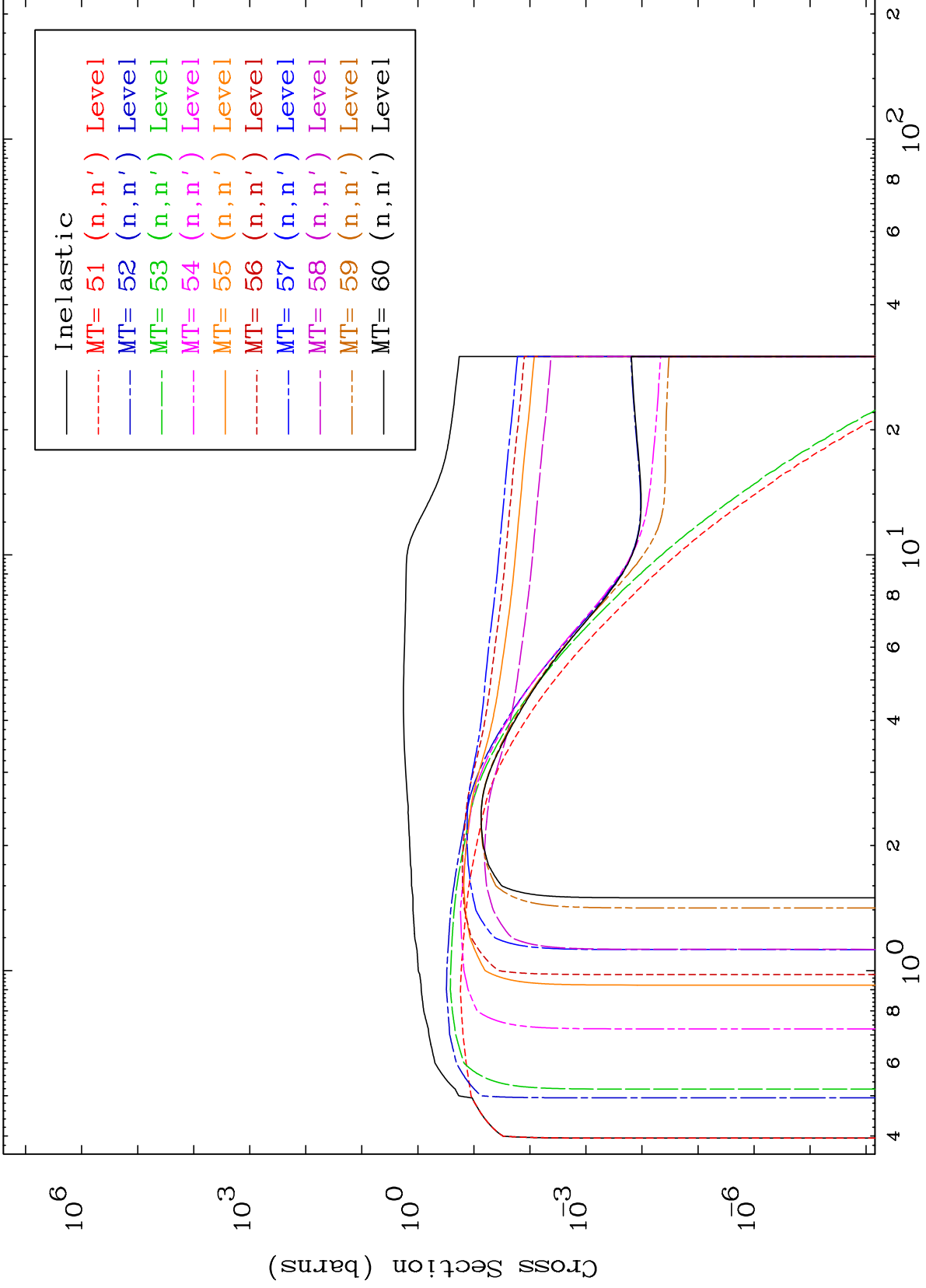
MAT 3131

Particle Production
293 Kelvin Cross Sections

31-Ga-71



293 Kelvin Cross Sections

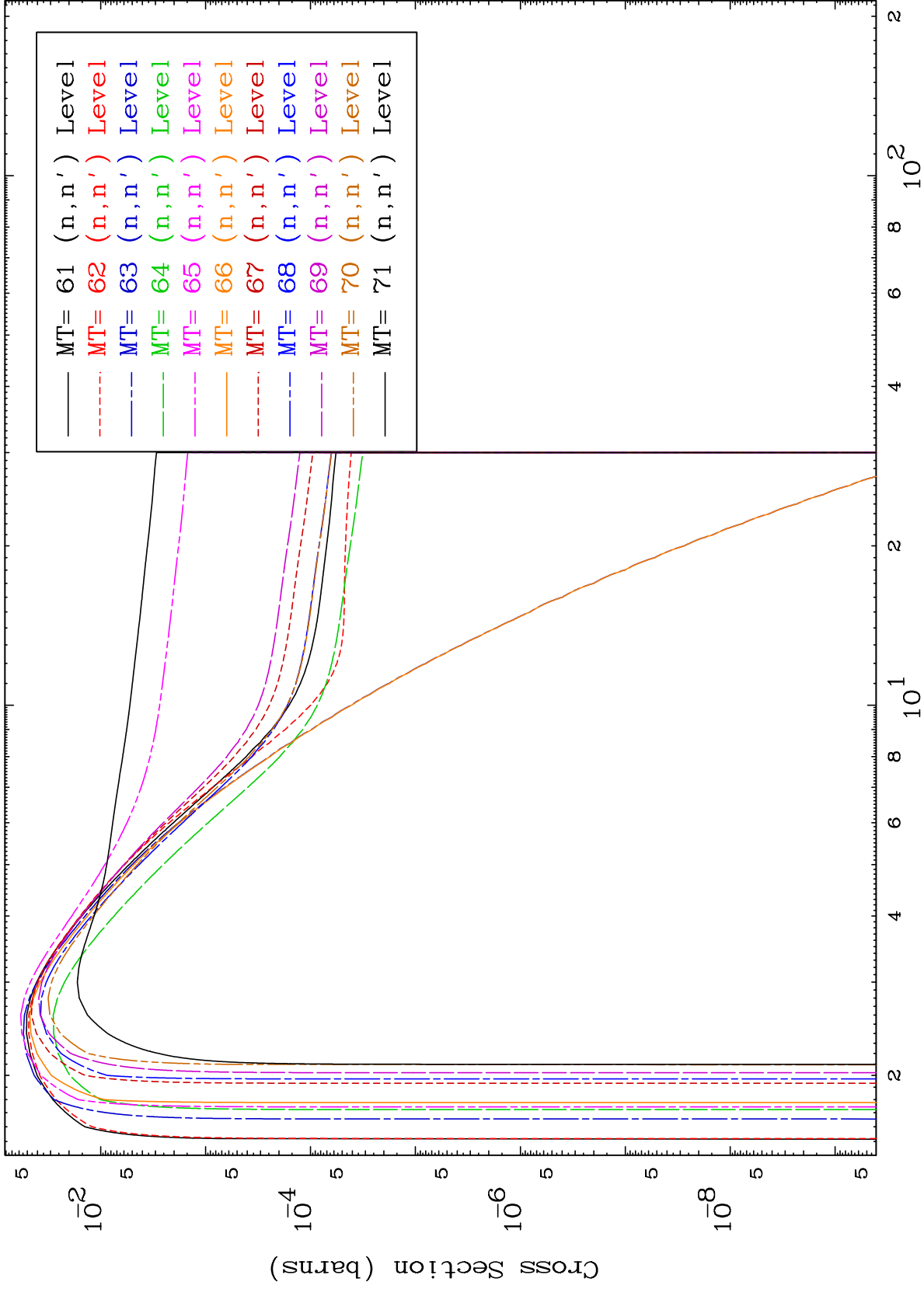


MAT 3131

(n,n') Level

31-Ga-71

293 Kelvin Cross Sections



8

Incident Energy (MeV)

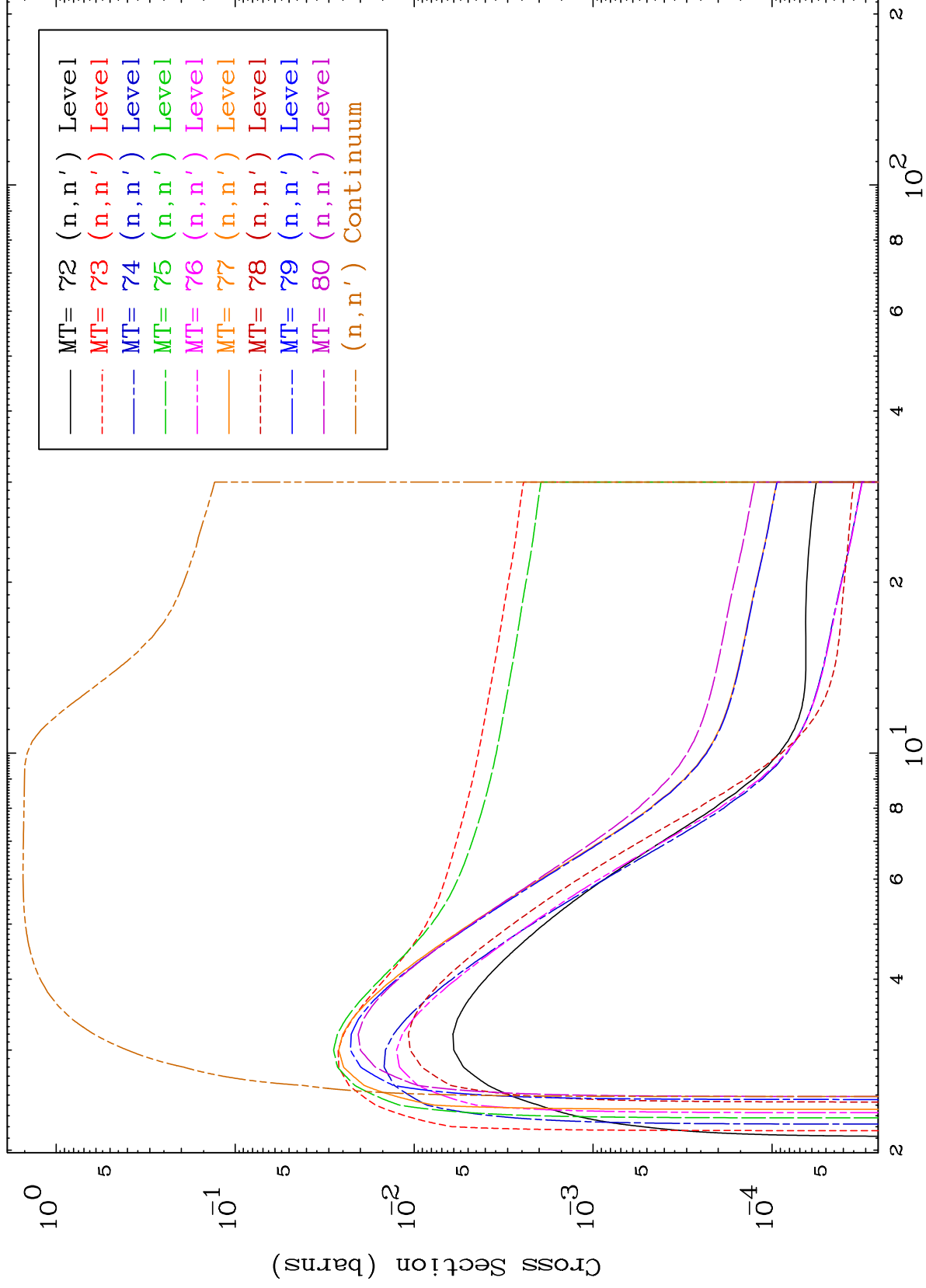
31-Ga-71

MAT 3131

(n,n') Level

293 Kelvin Cross Sections

31-Ga-71



9

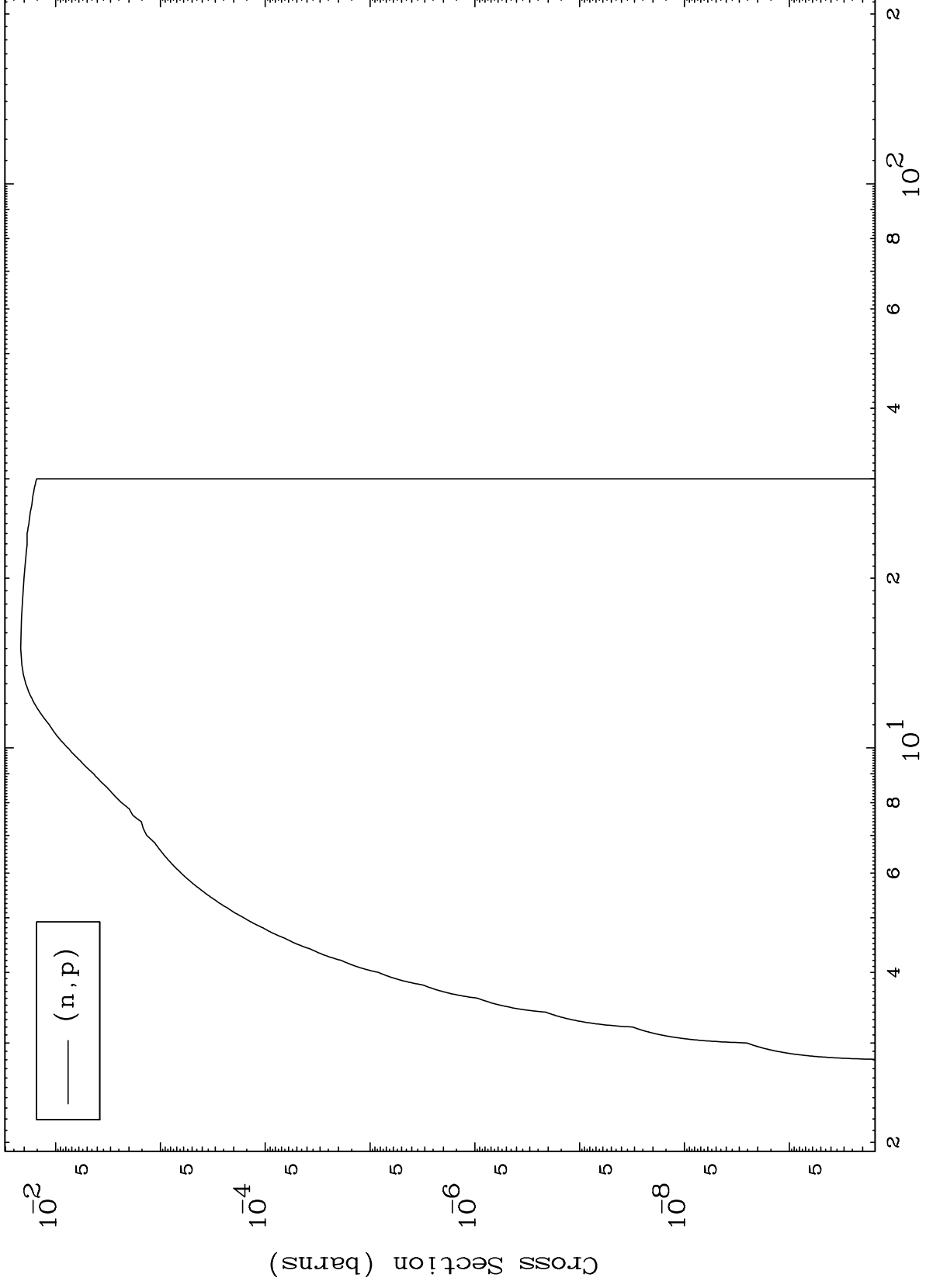
Incident Energy (MeV)

31-Ga-71

MAT 3131

(n,p) Levels
293 Kelvin Cross Sections

31-Ga-71



10

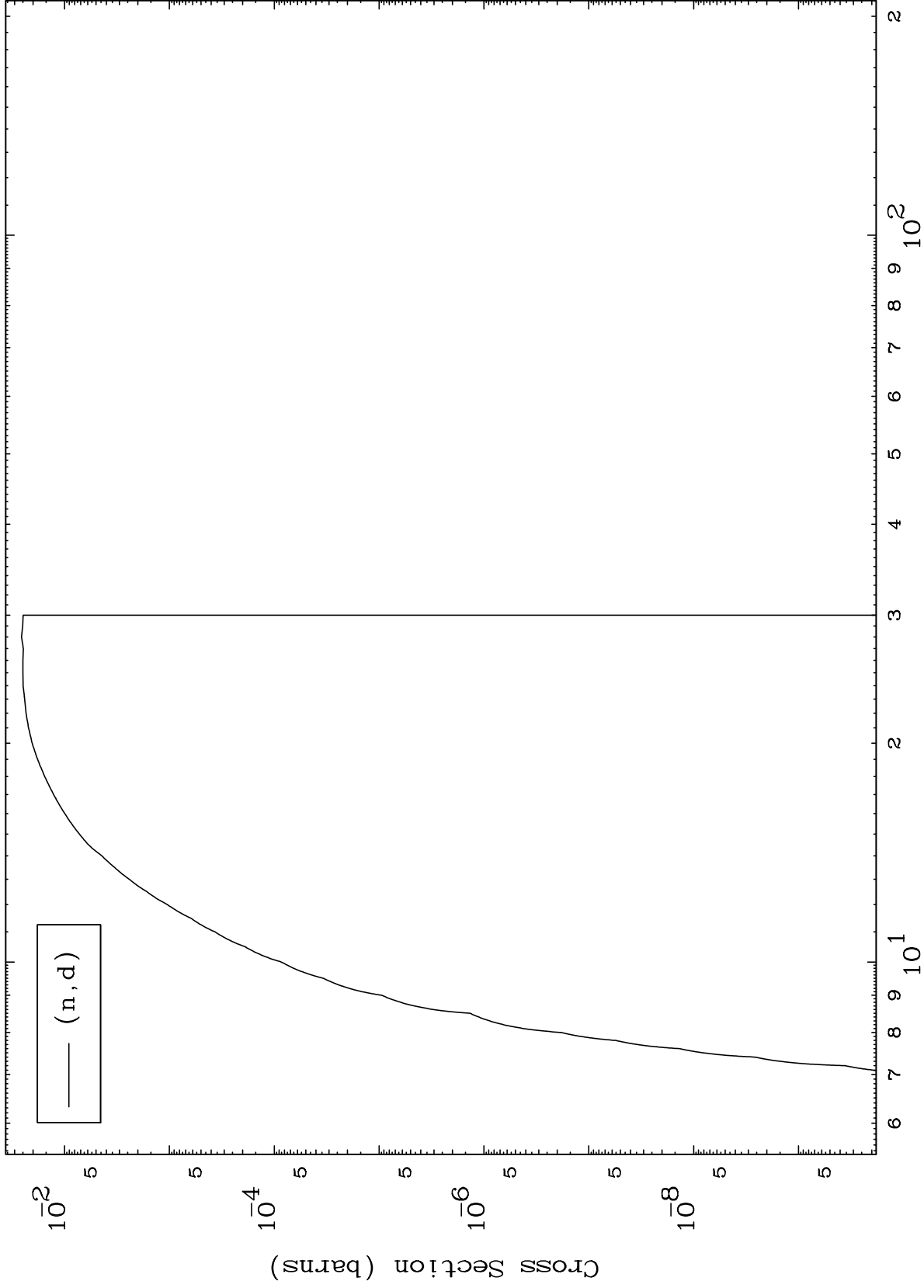
Incident Energy (MeV)

31-Ga-71

MAT 3131

(n,d) Levels
293 Kelvin Cross Sections

31-Ga-71



11

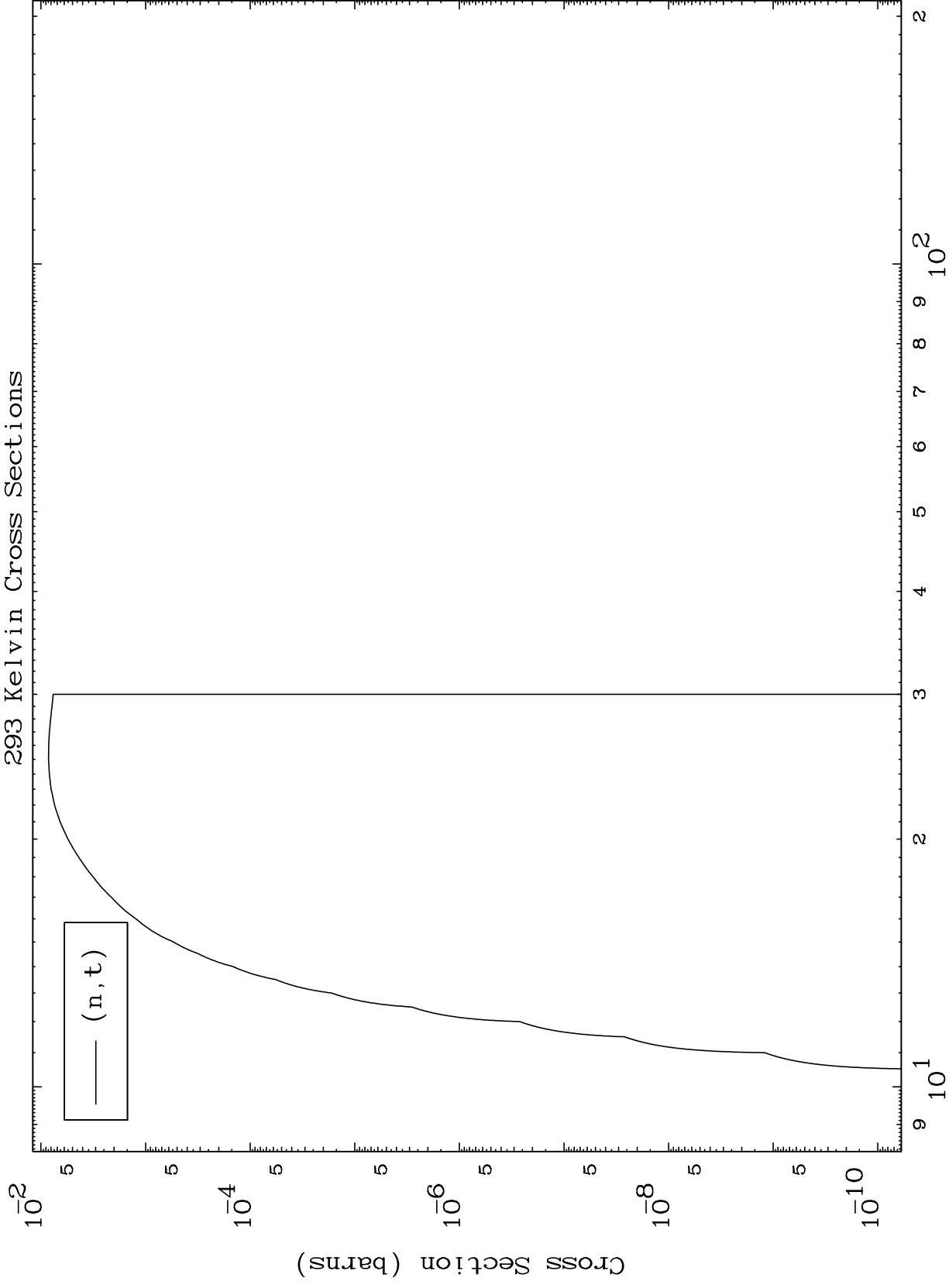
Incident Energy (MeV)

31-Ga-71

MAT 3131

31-Ga-71

(n,t) Levels
293 Kelvin Cross Sections



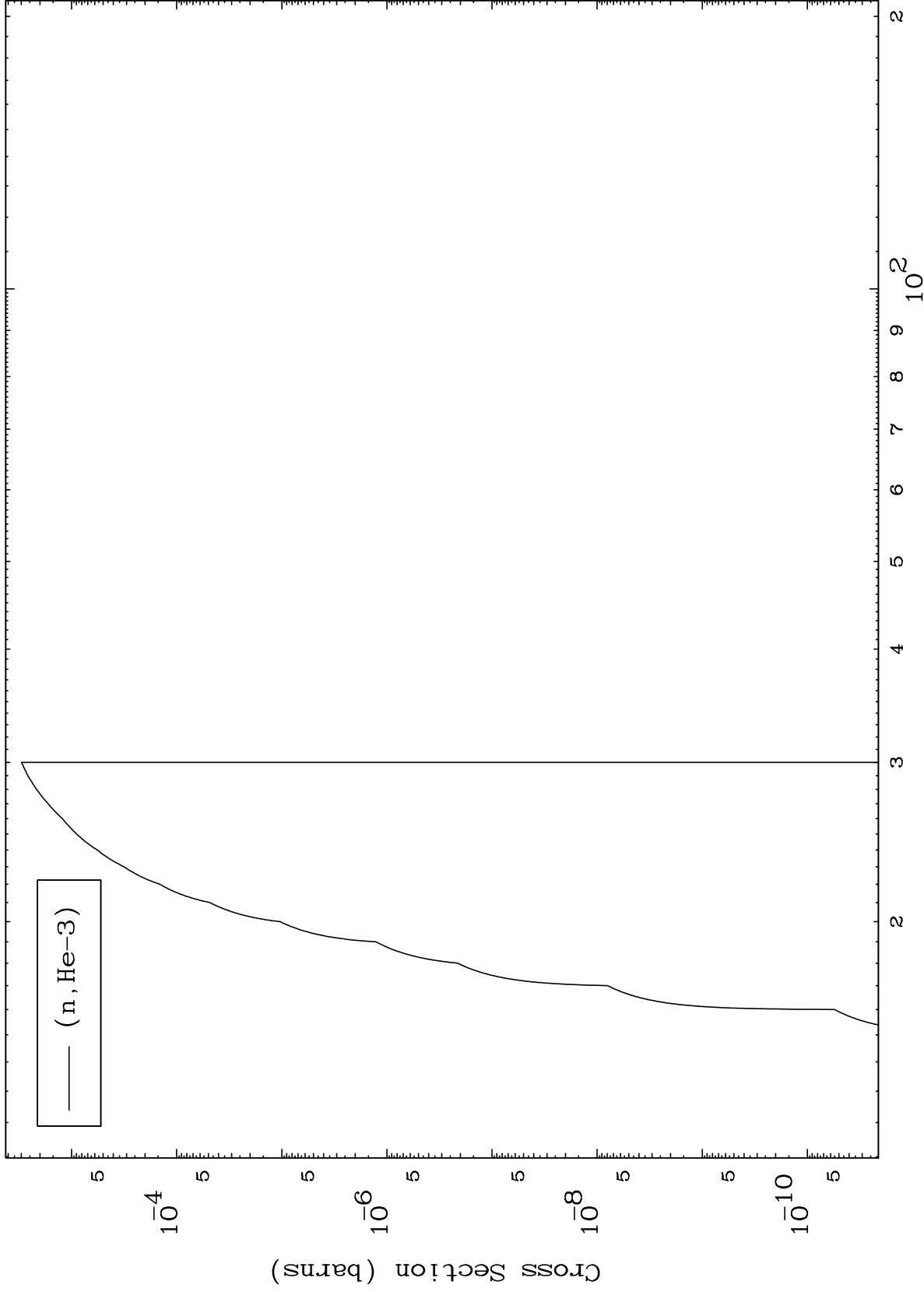
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31-Ga-71

MAT 3131

(n,He3) Levels
293 Kelvin Cross Sections

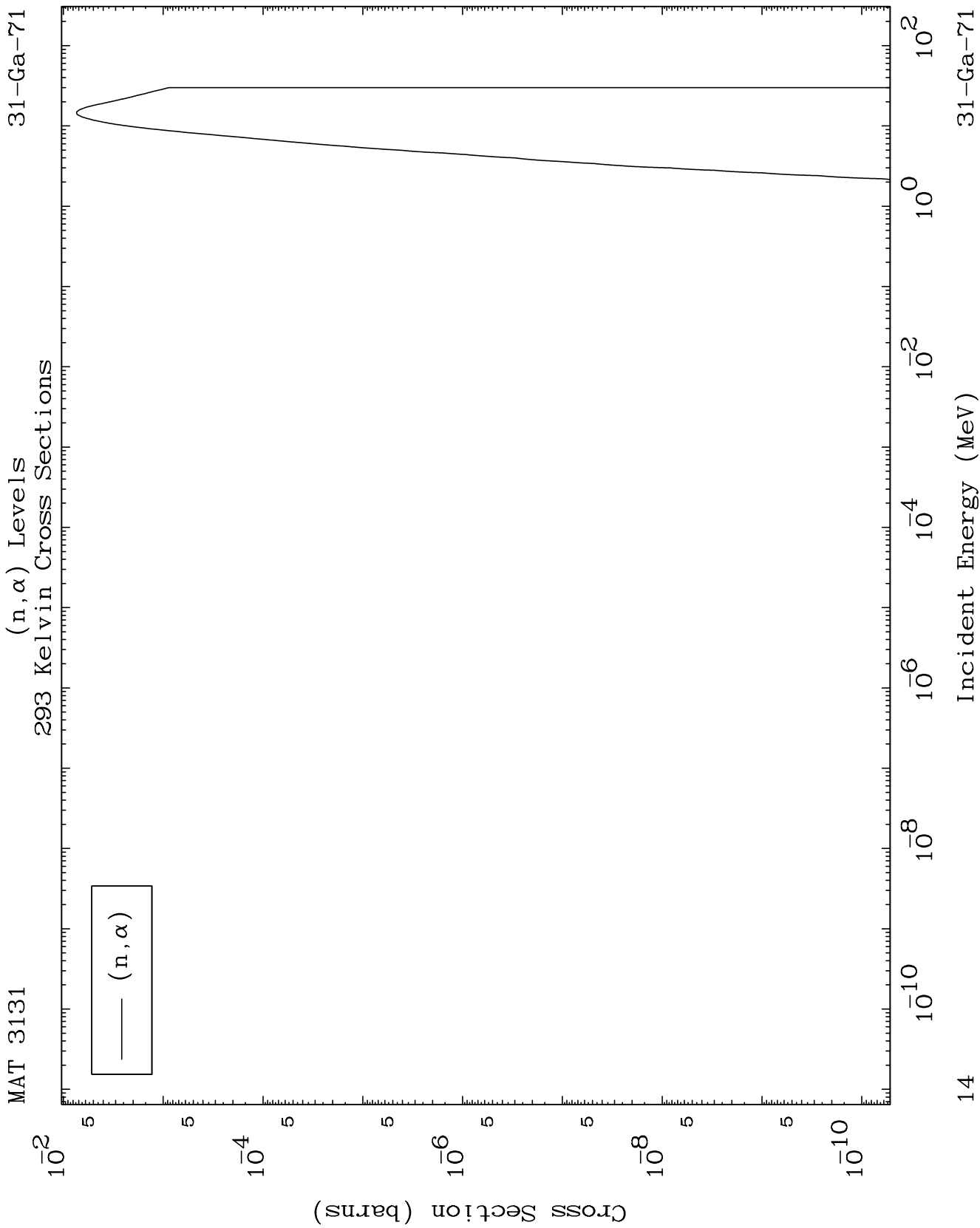
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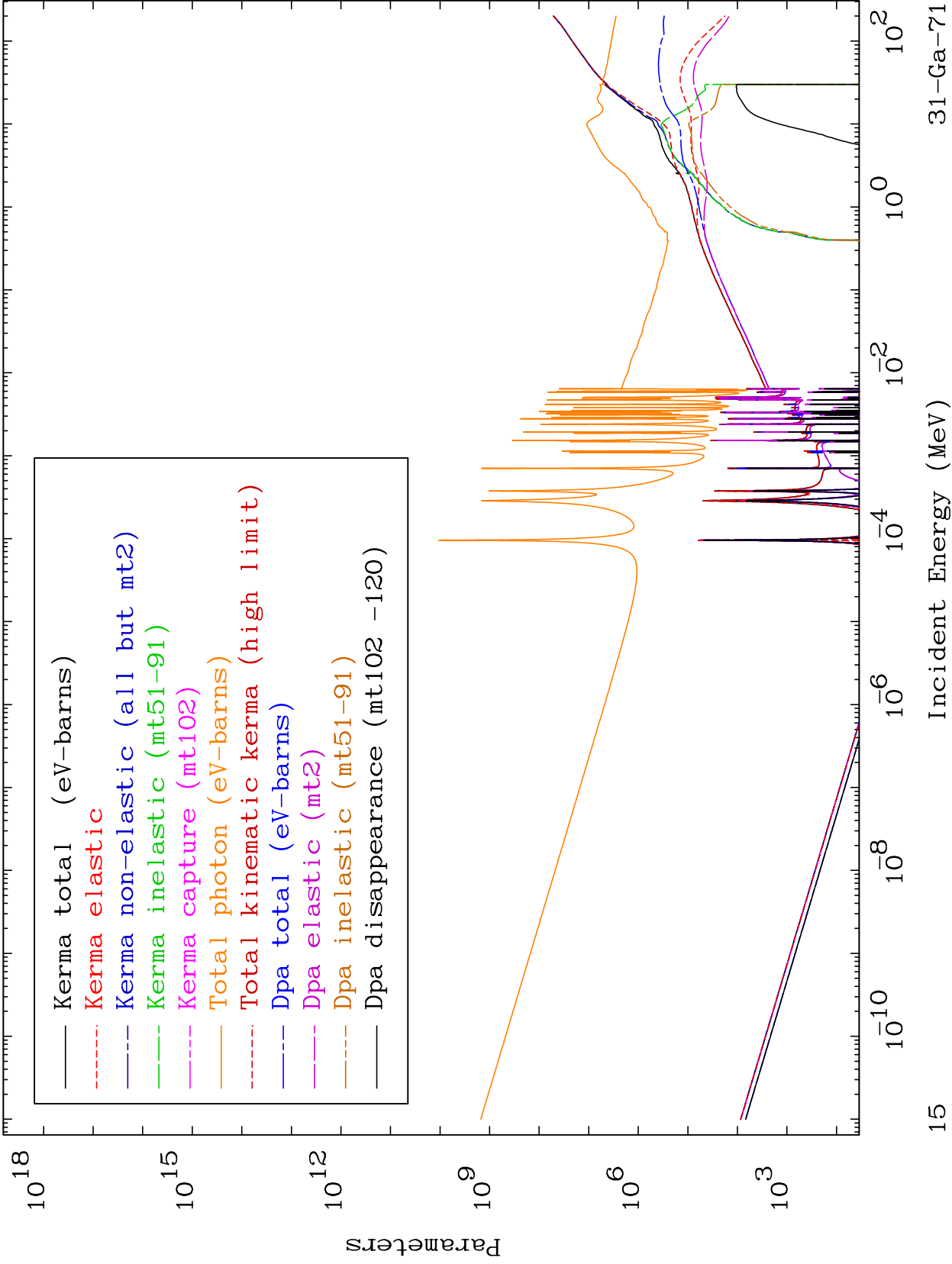


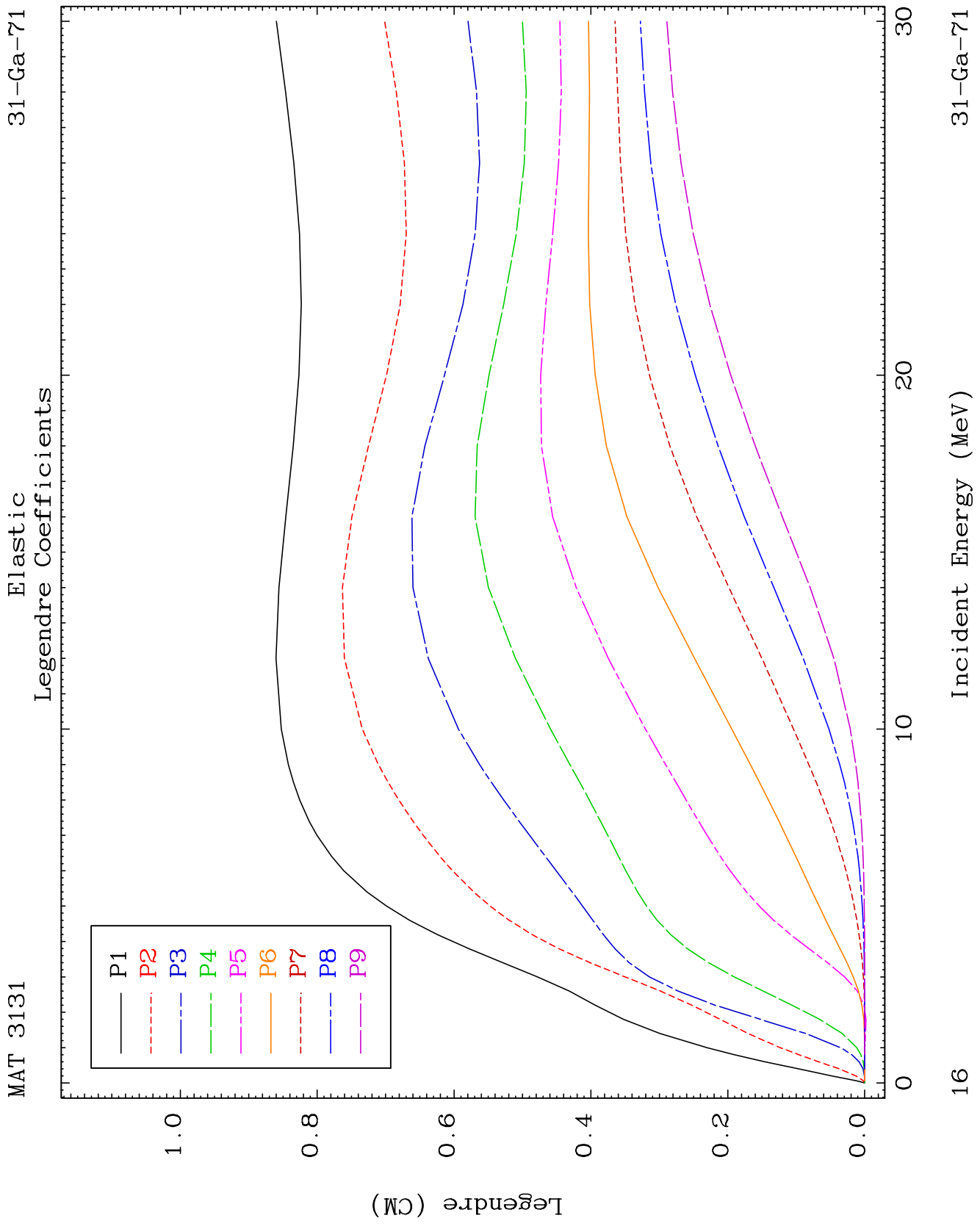
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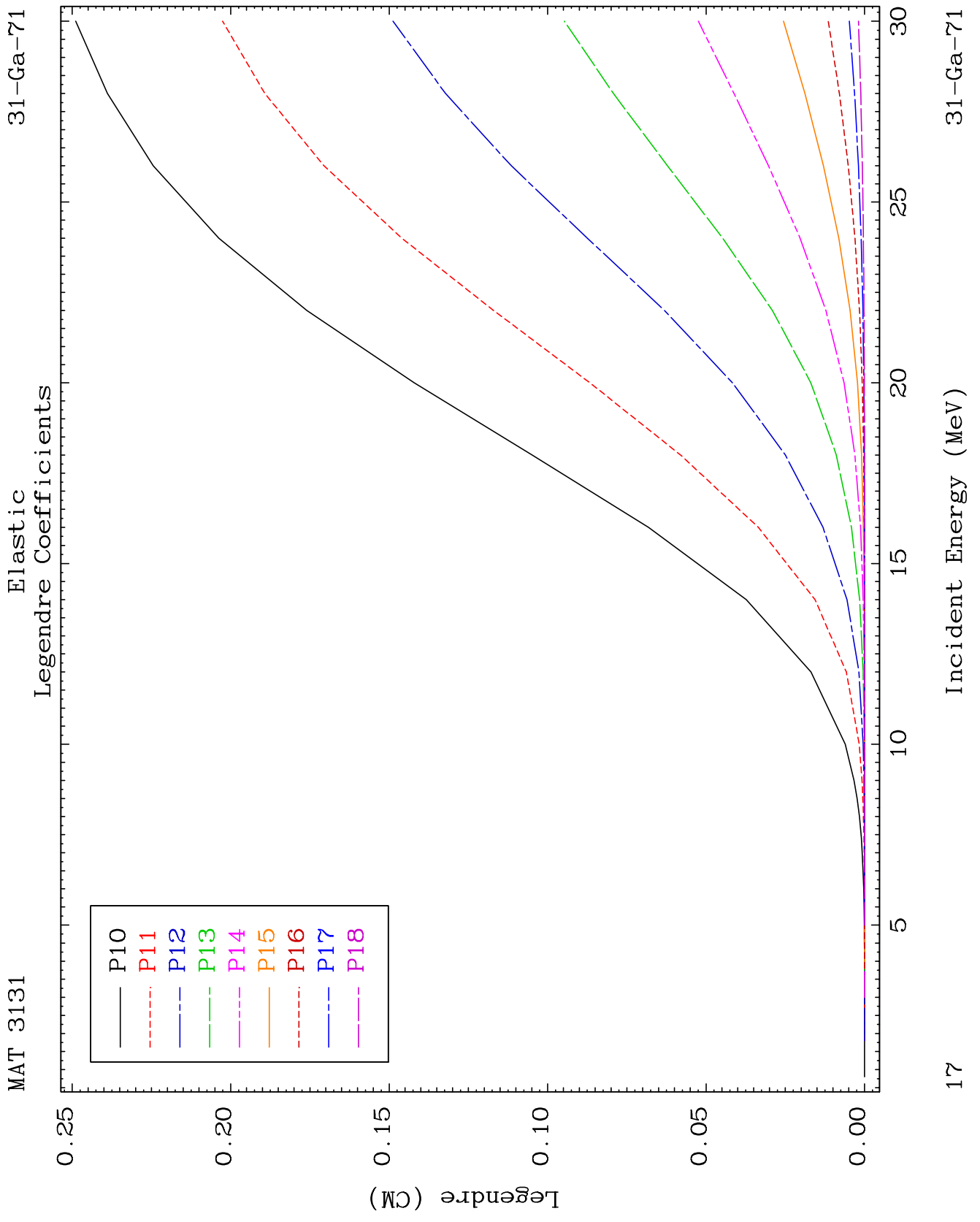
Incident Energy (MeV)

31-Ga-71





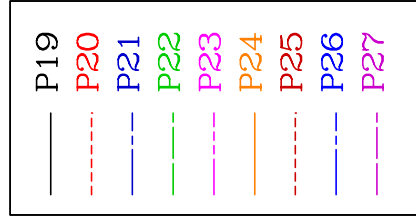




MAT 3131

Elastic Legendre Coefficients

31-Ga-71



$\times 10^{-4}$

Legendre (CM)

6

4

2

0

10

15

20

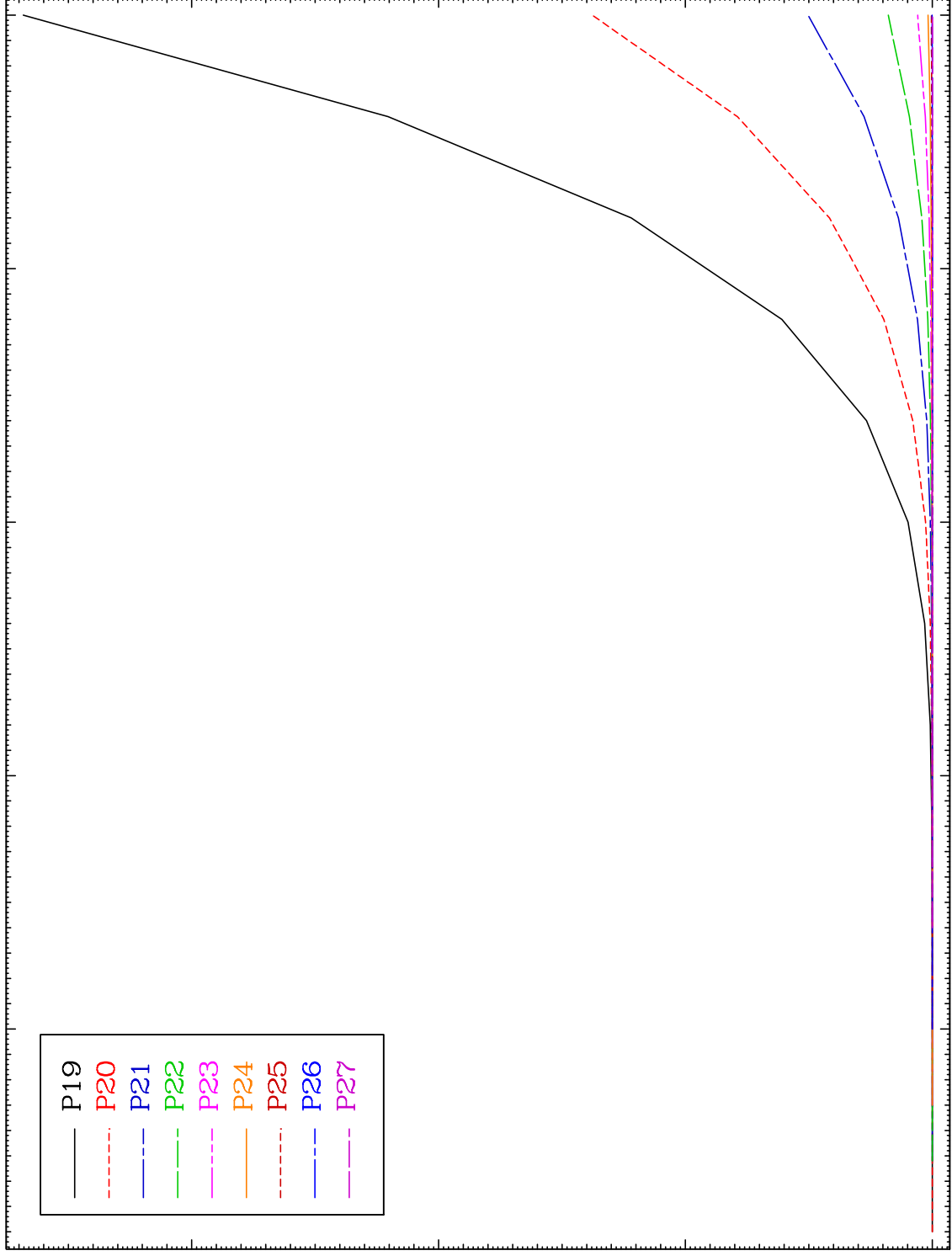
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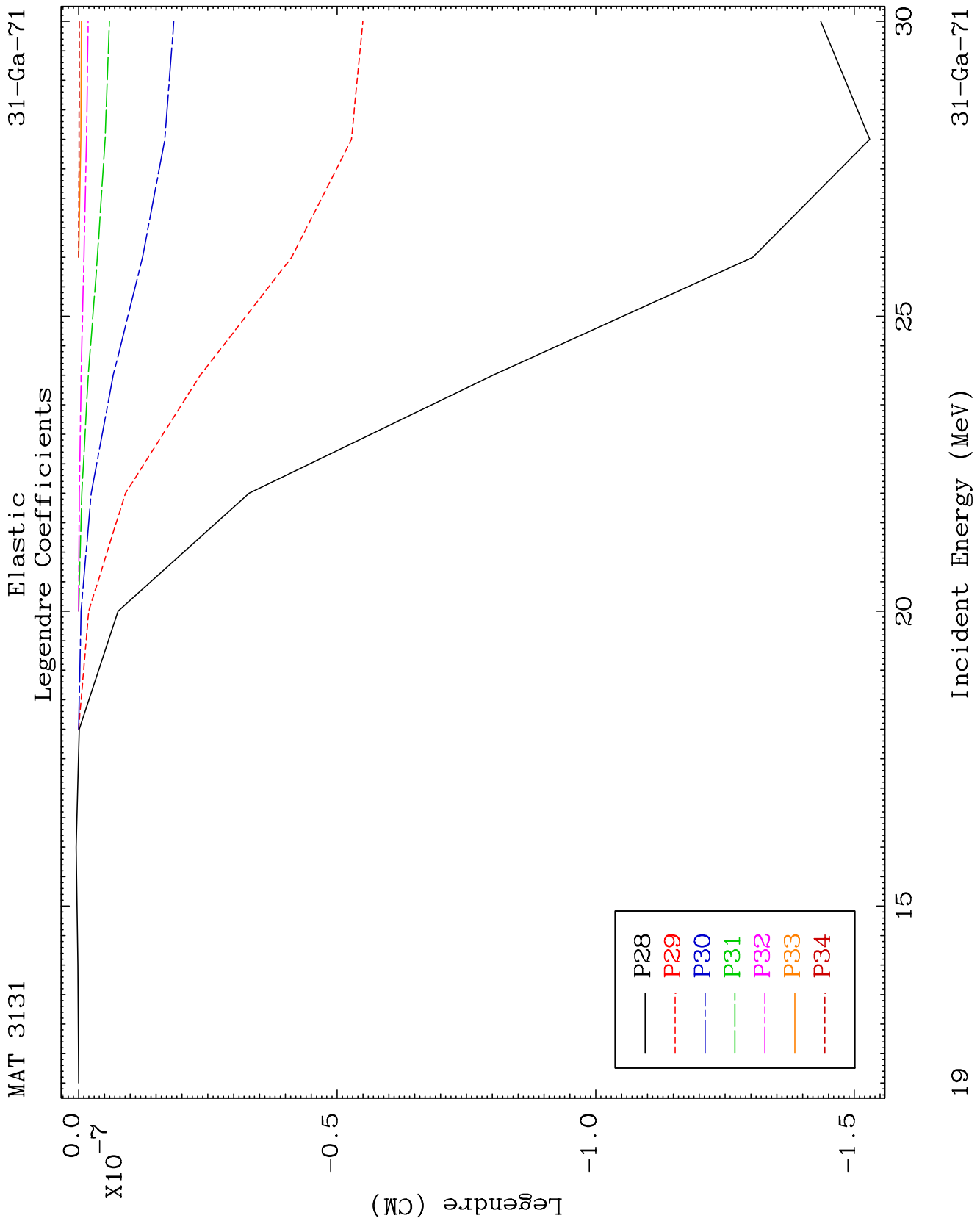
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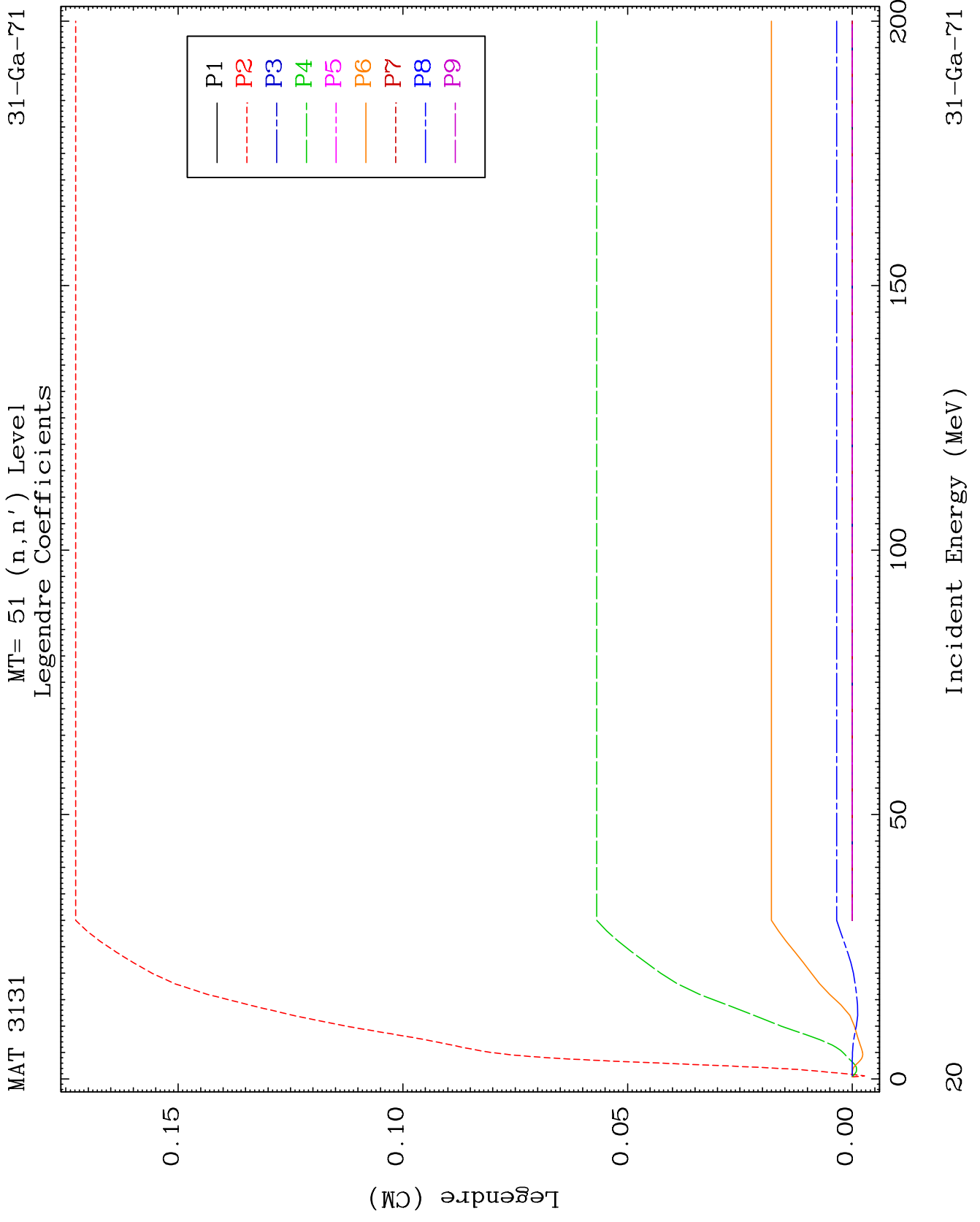
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Incident Energy (MeV)

31-Ga-71



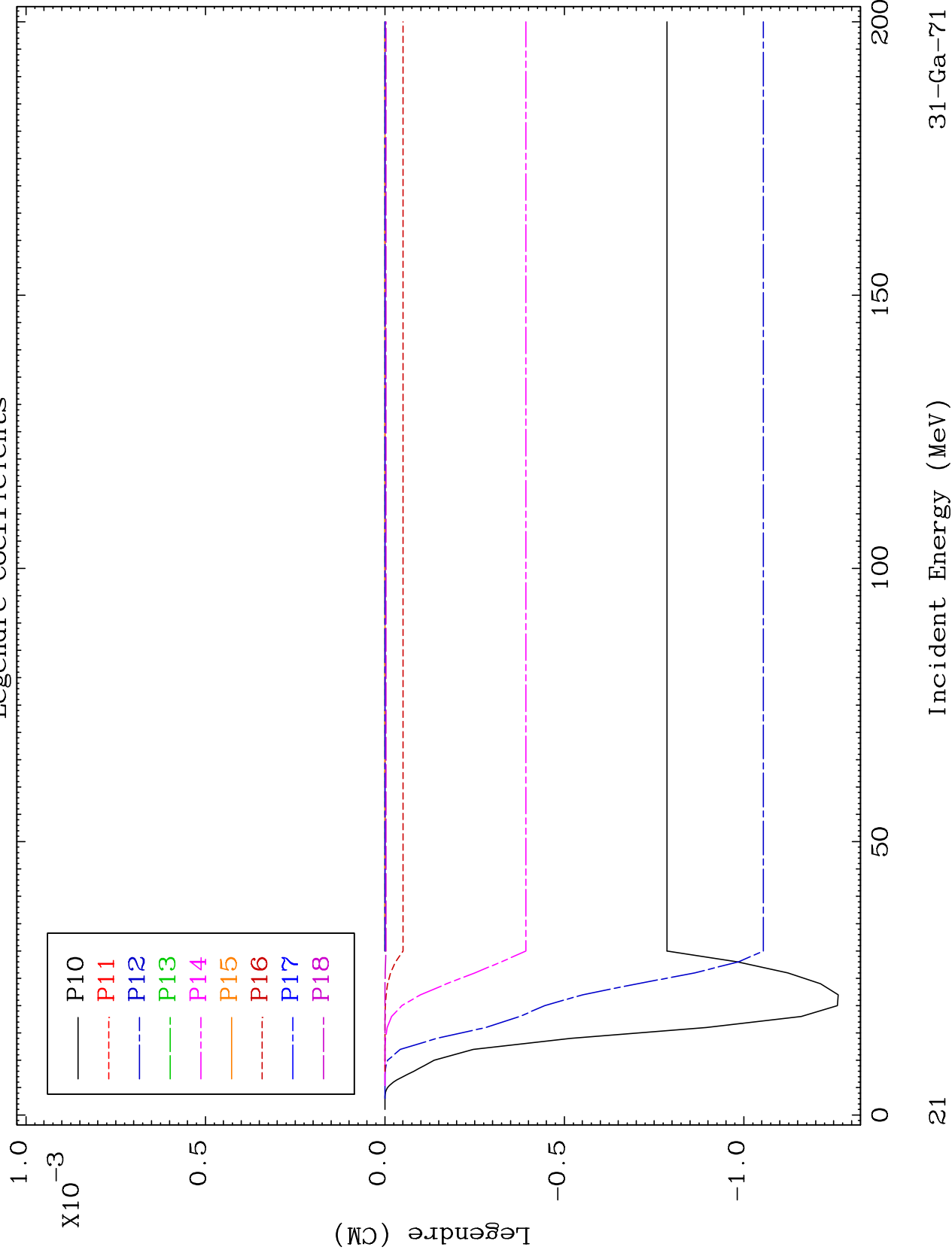




MAT 3131

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

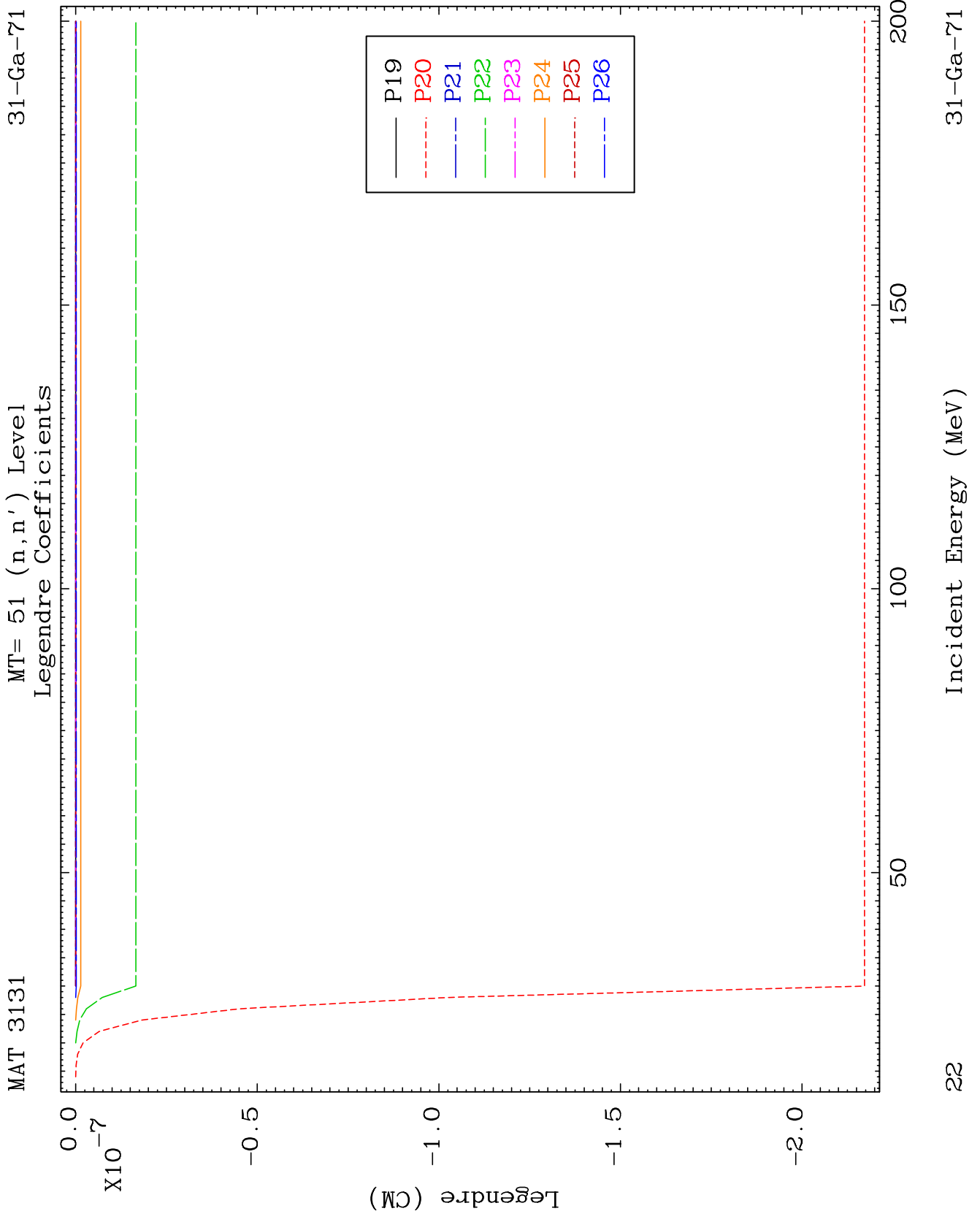
31-Ga-71



21

Incident Energy (MeV)

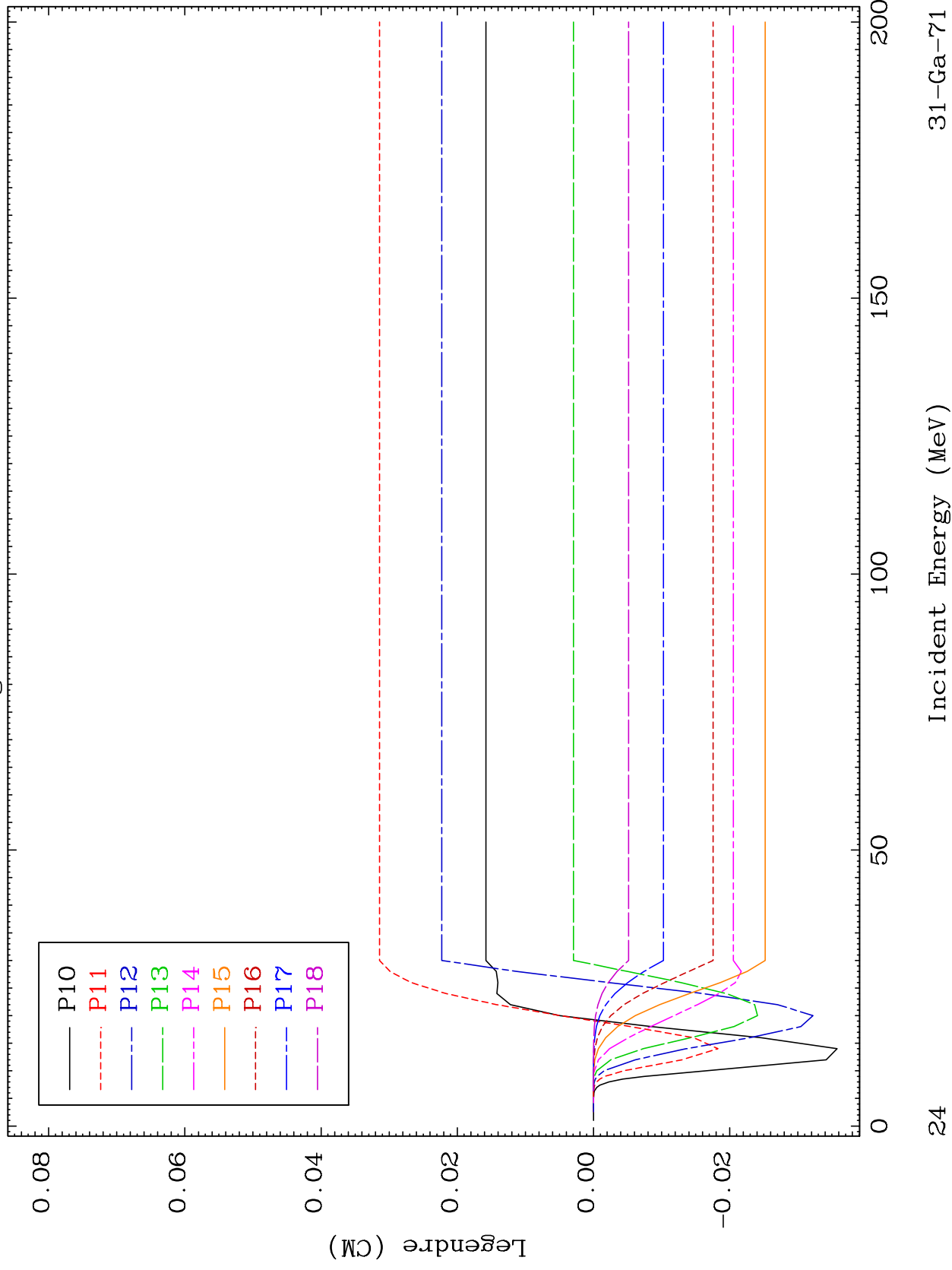
31-Ga-71



MAT 3131

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

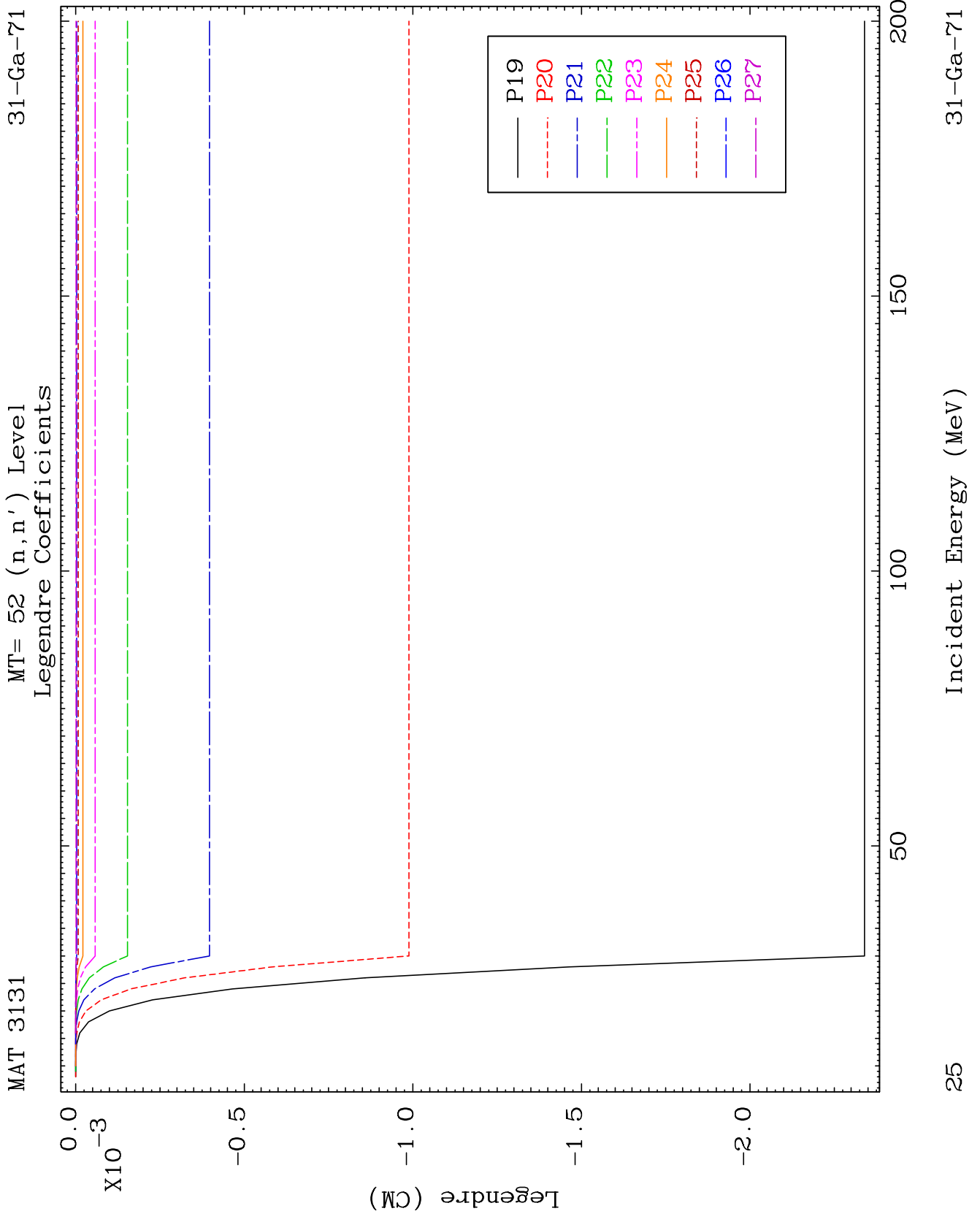
31-Ga-71

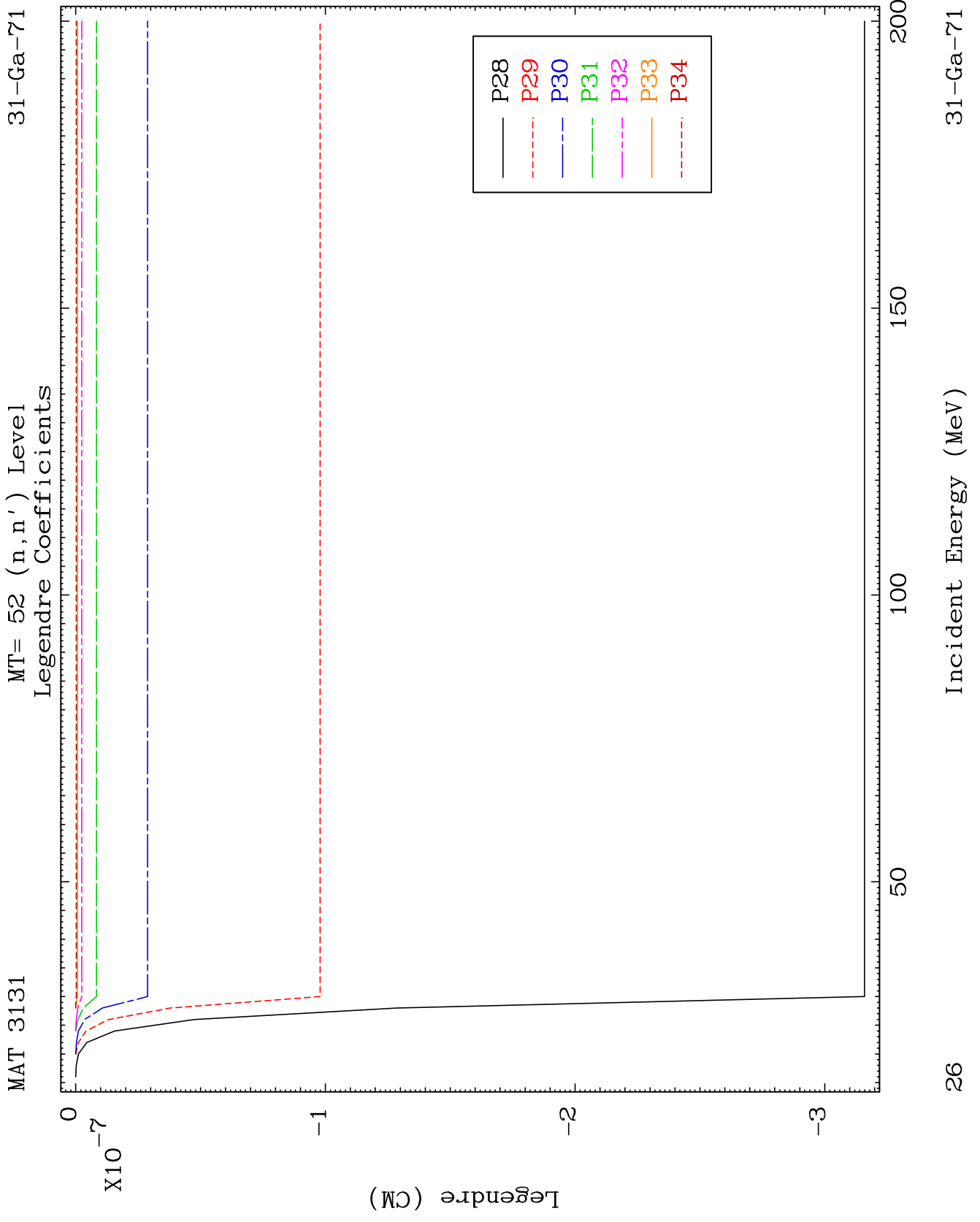


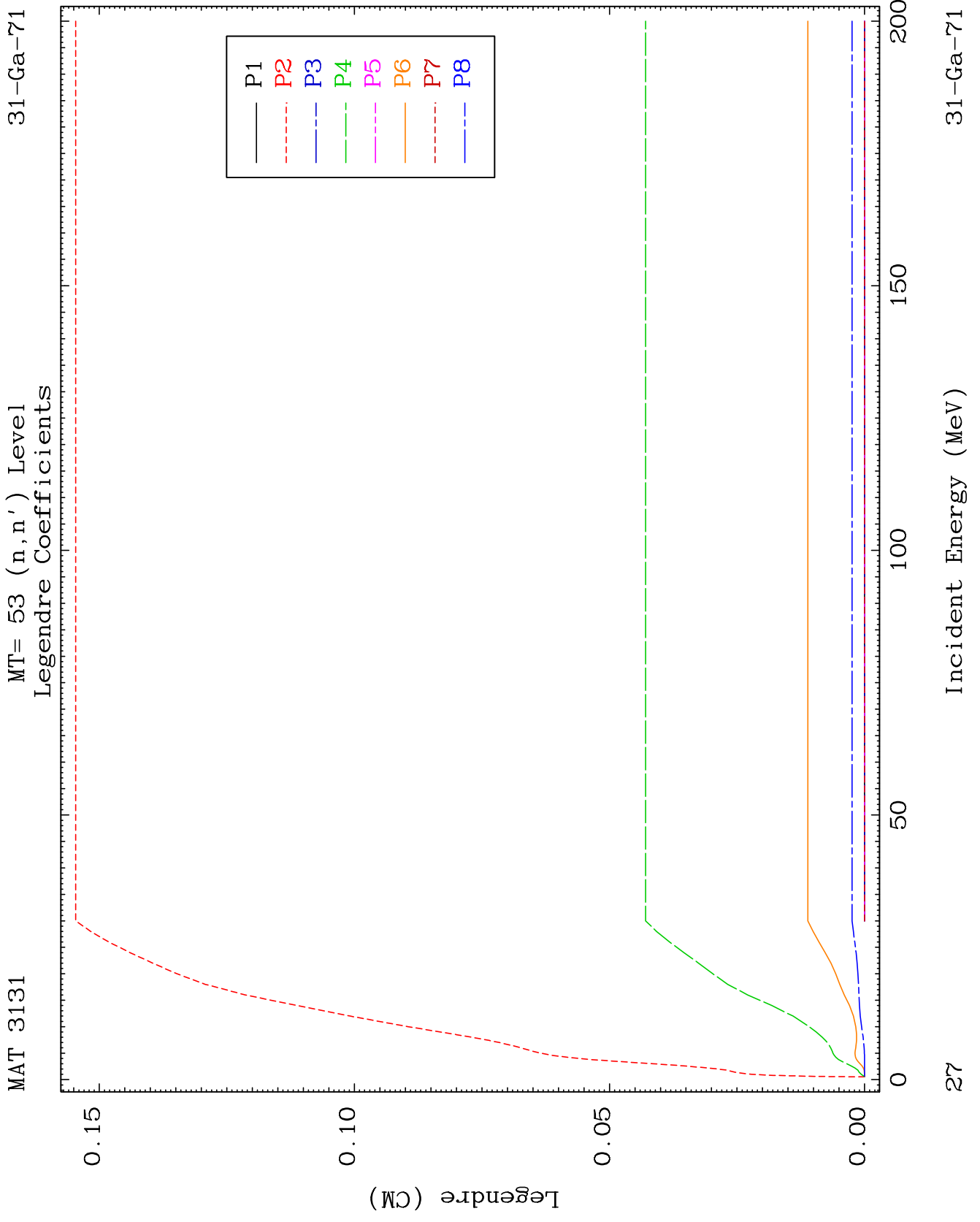
24

Incident Energy (MeV)

31-Ga-71



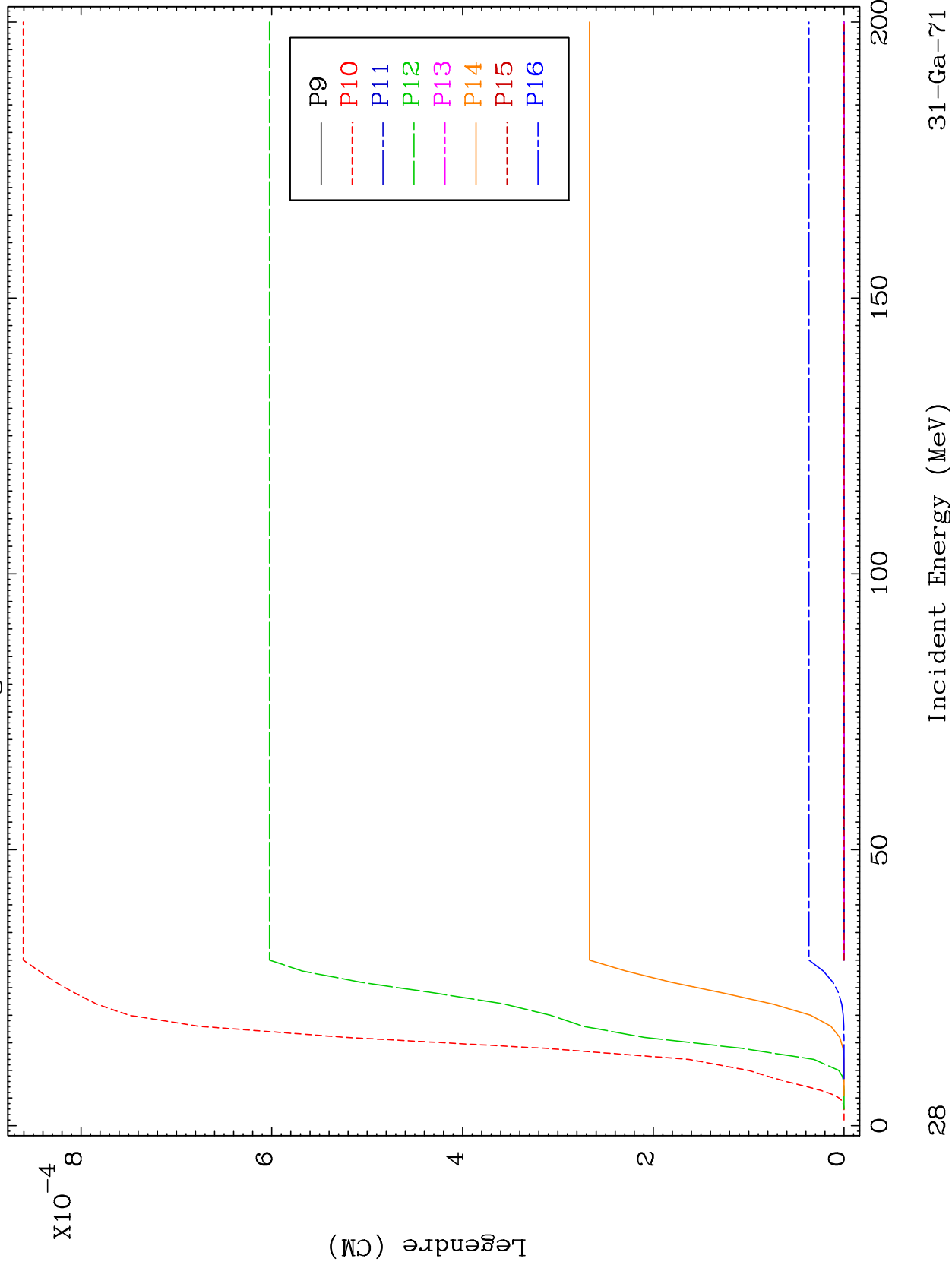




MAT 3131

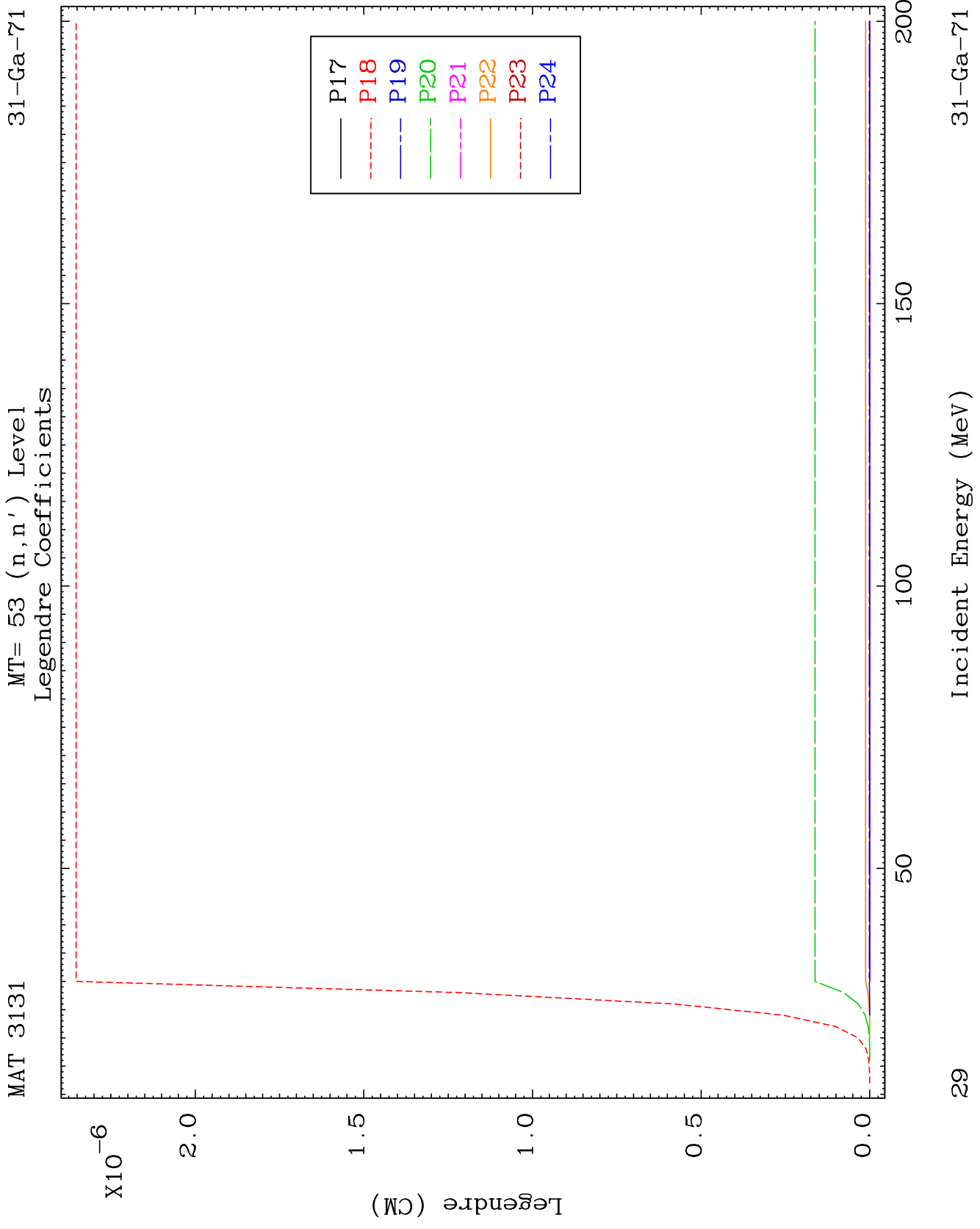
MT= 53 (n,n') Level
Legendre Coefficients

31-Ga-71



28

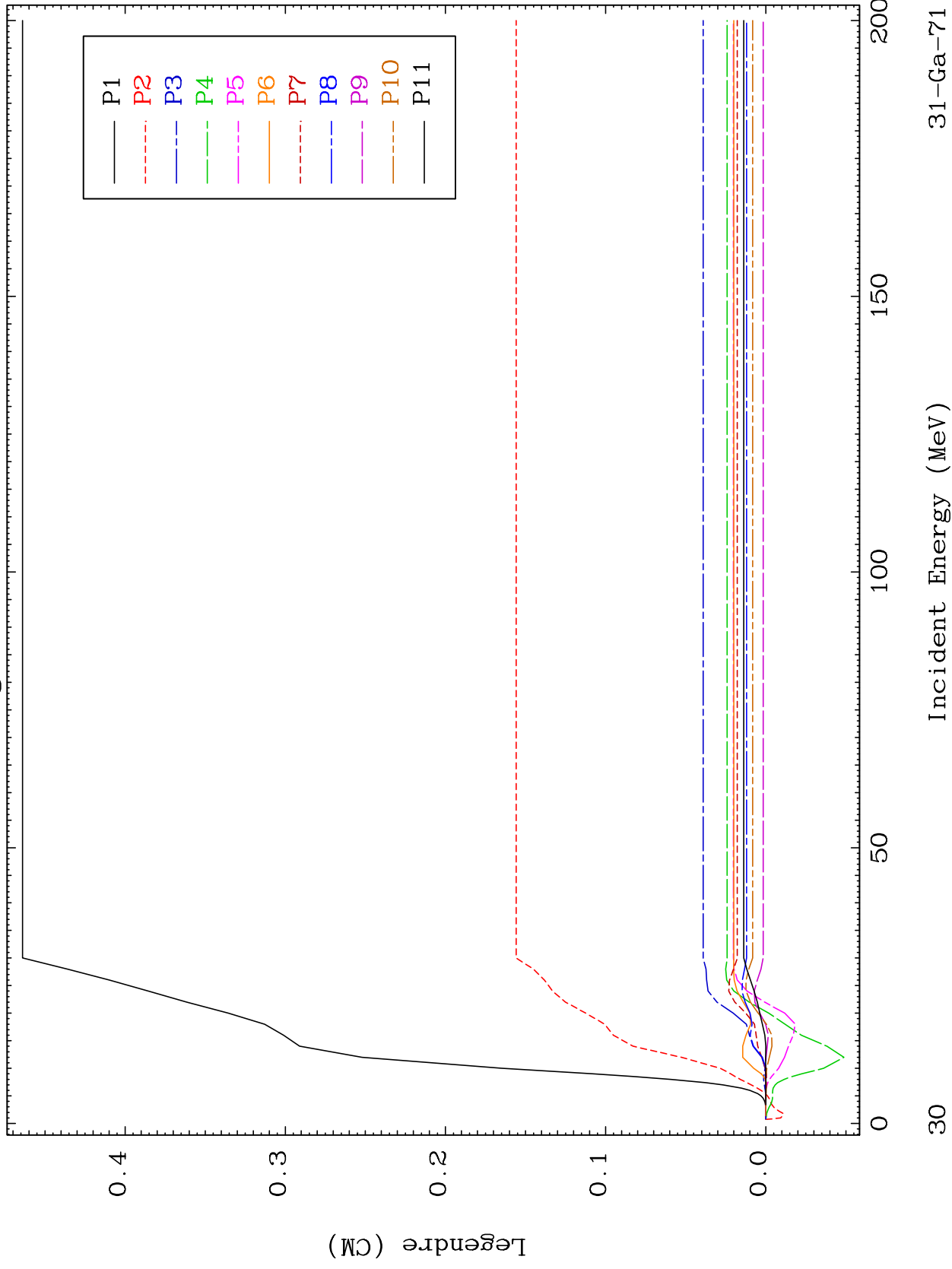
31-Ga-71



MAT 3131

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

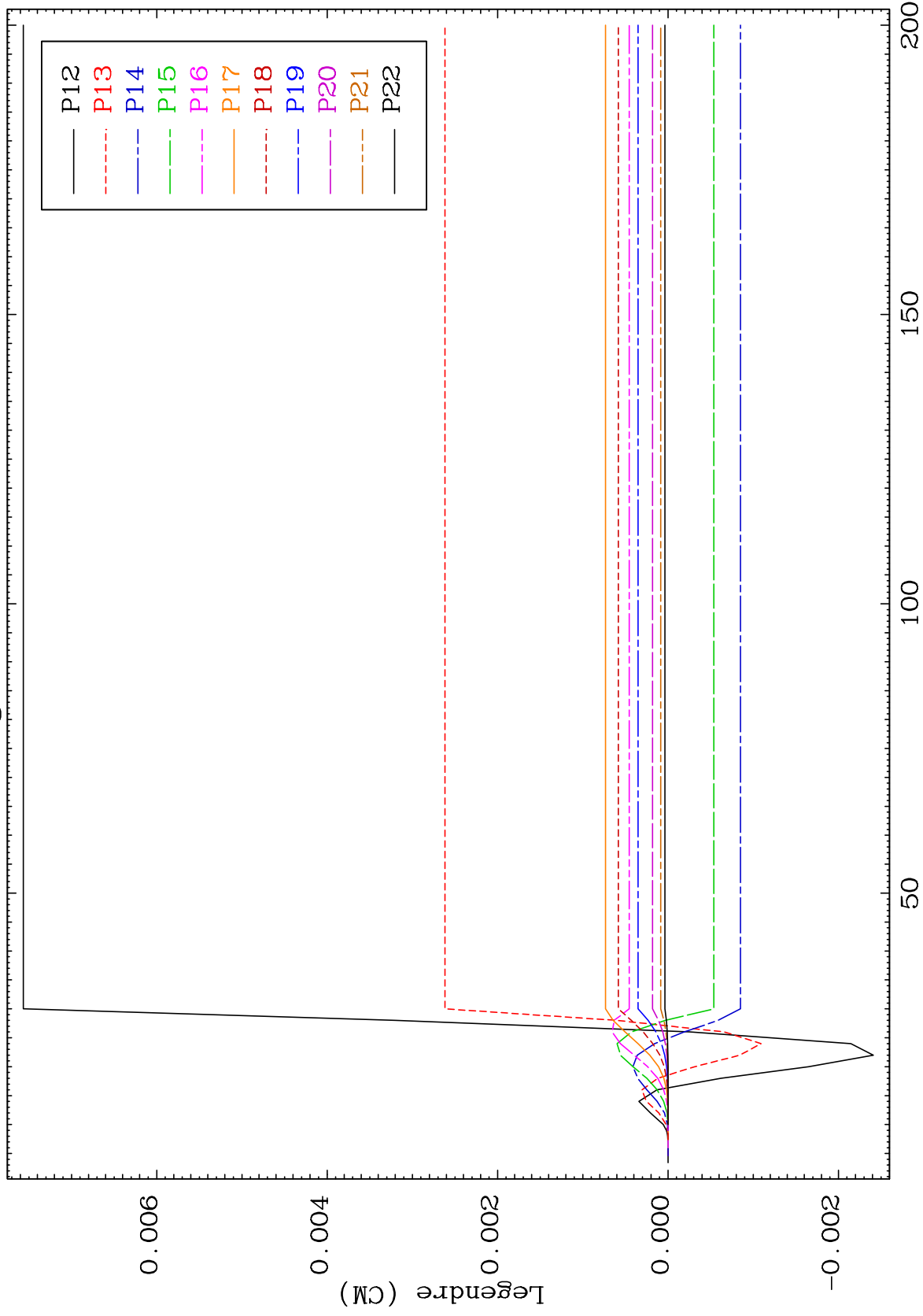
31-Ga-71



MAT 3131

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

31-Ga-71



31

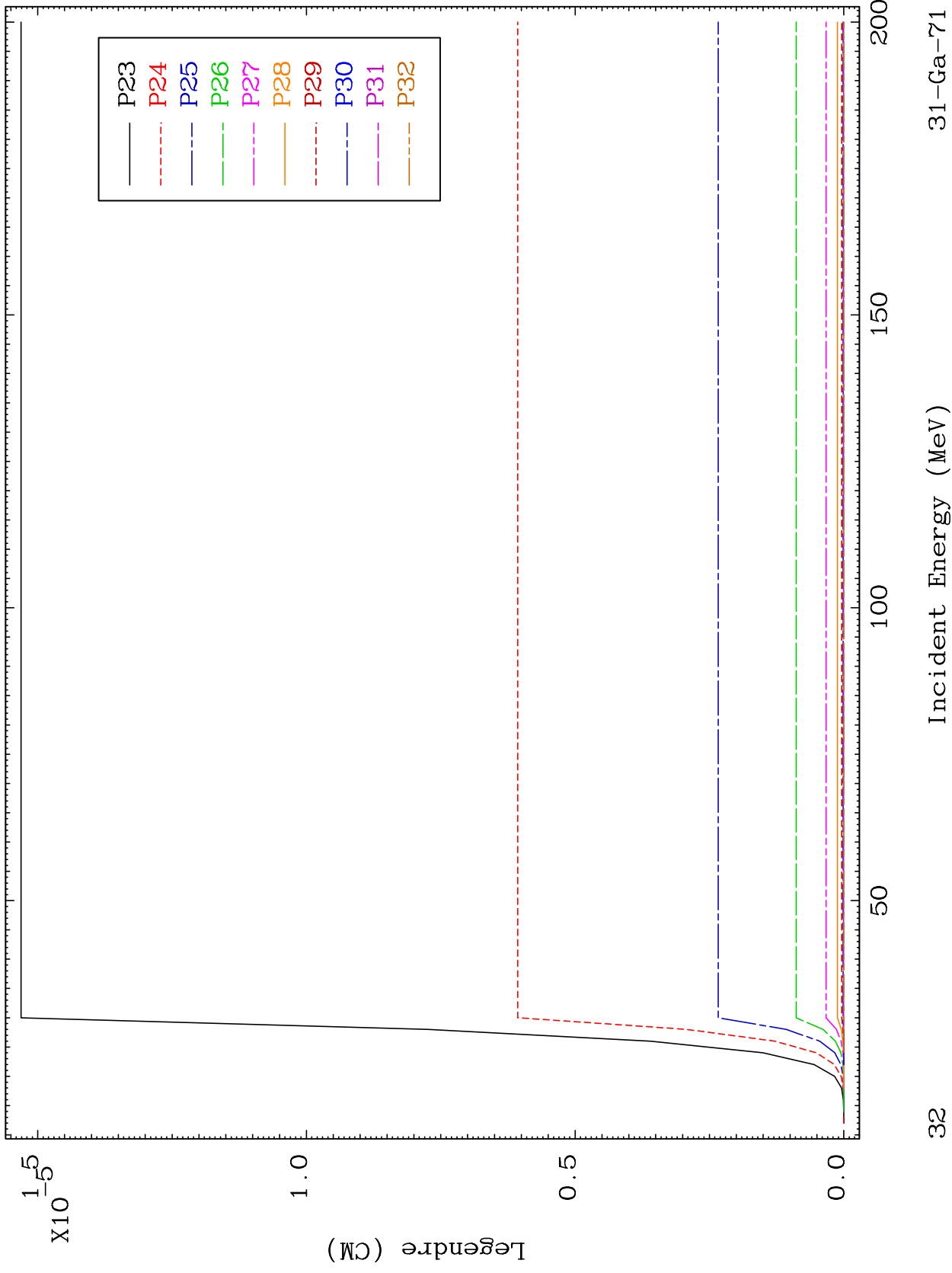
Incident Energy (MeV)

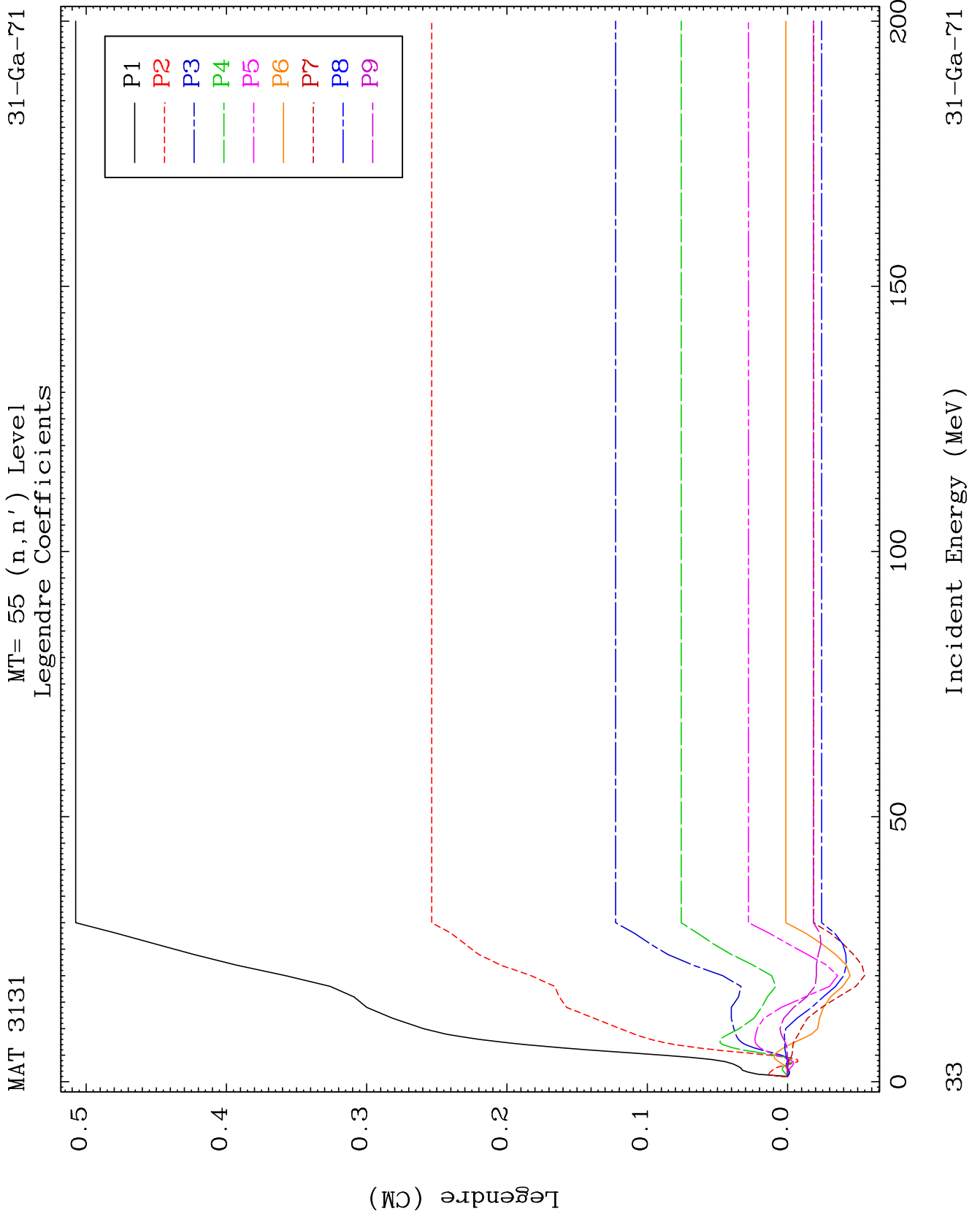
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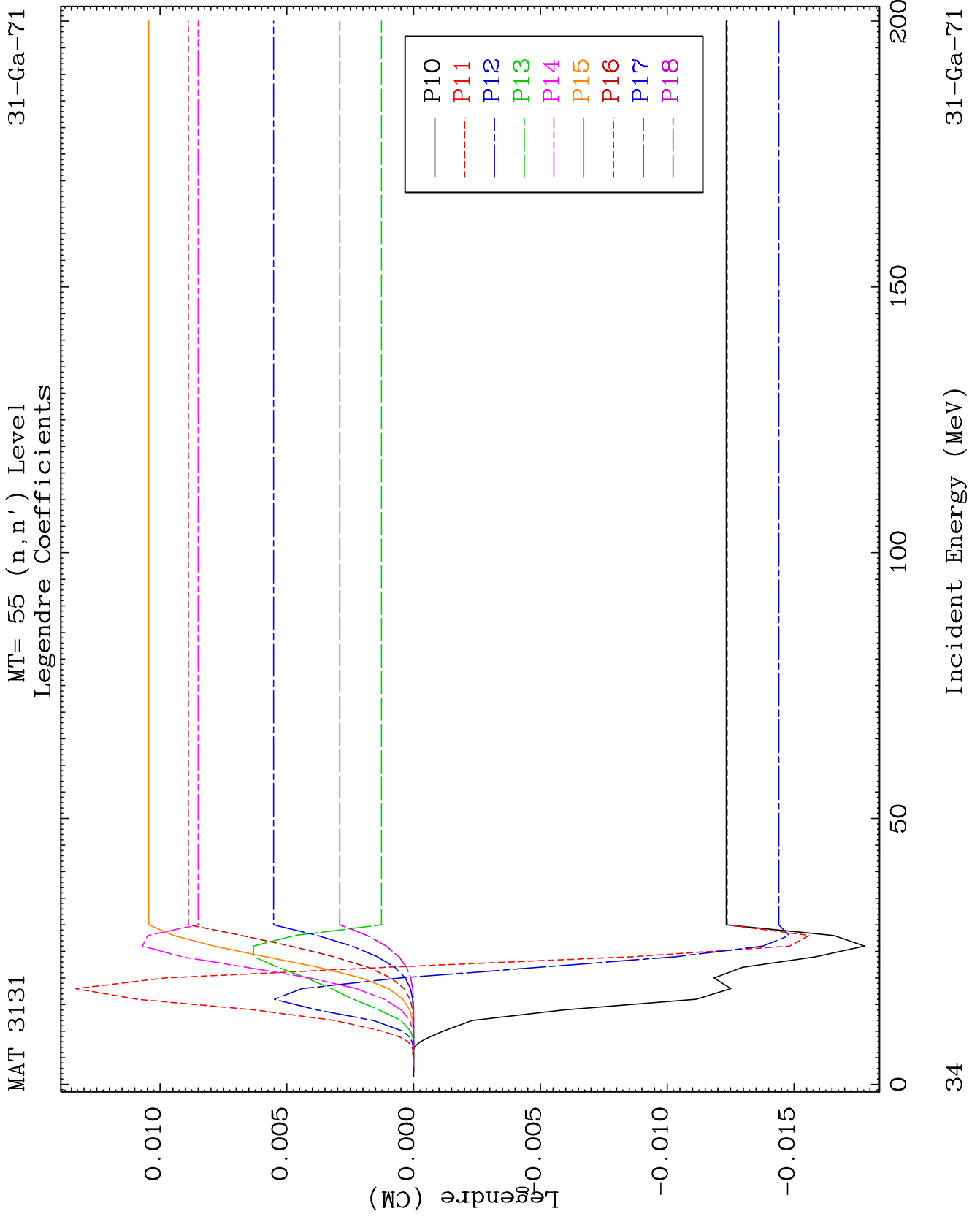
MAT 3131

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

31-Ga-71



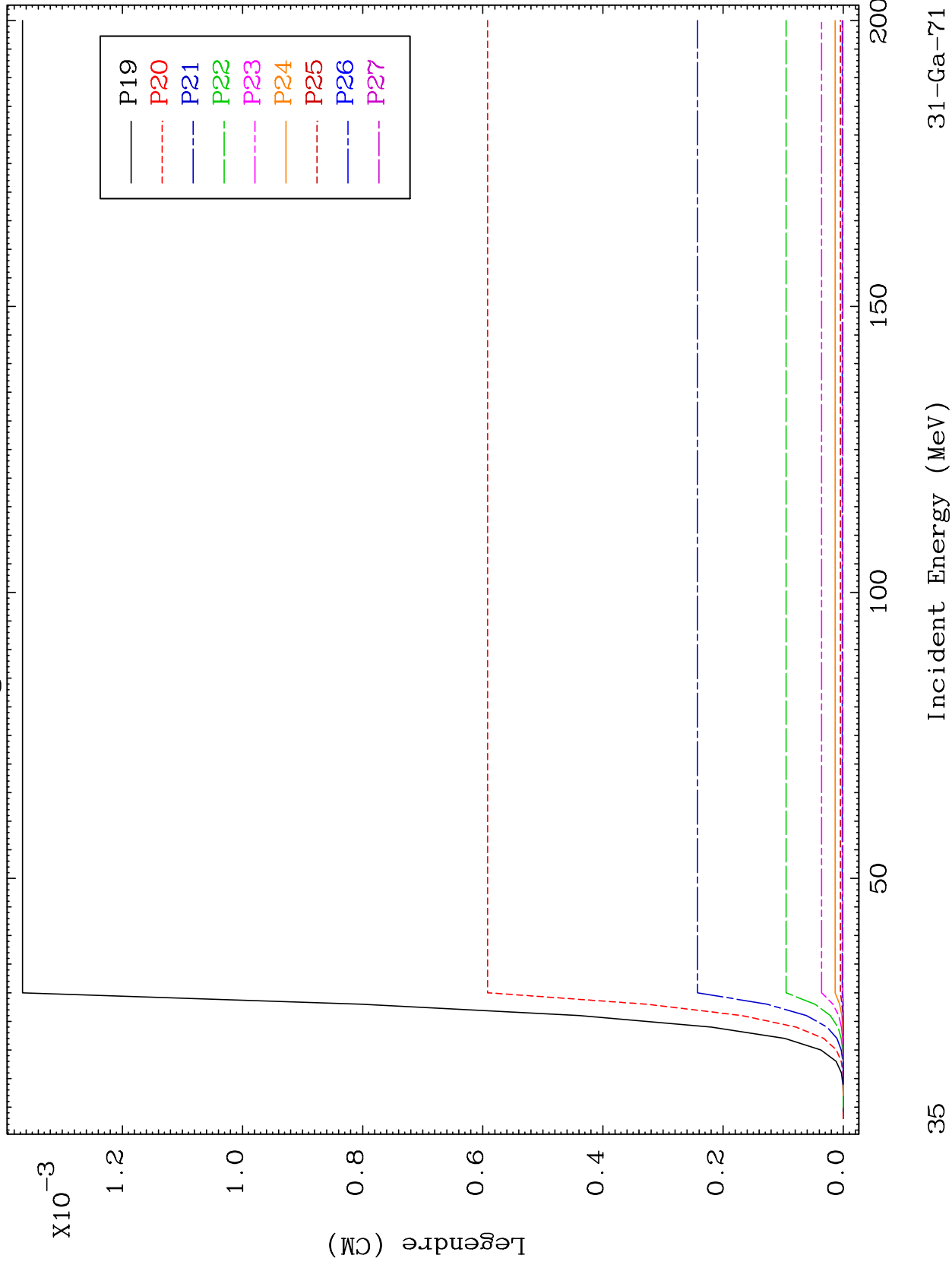




MAT 3131

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

31-Ga-71



35

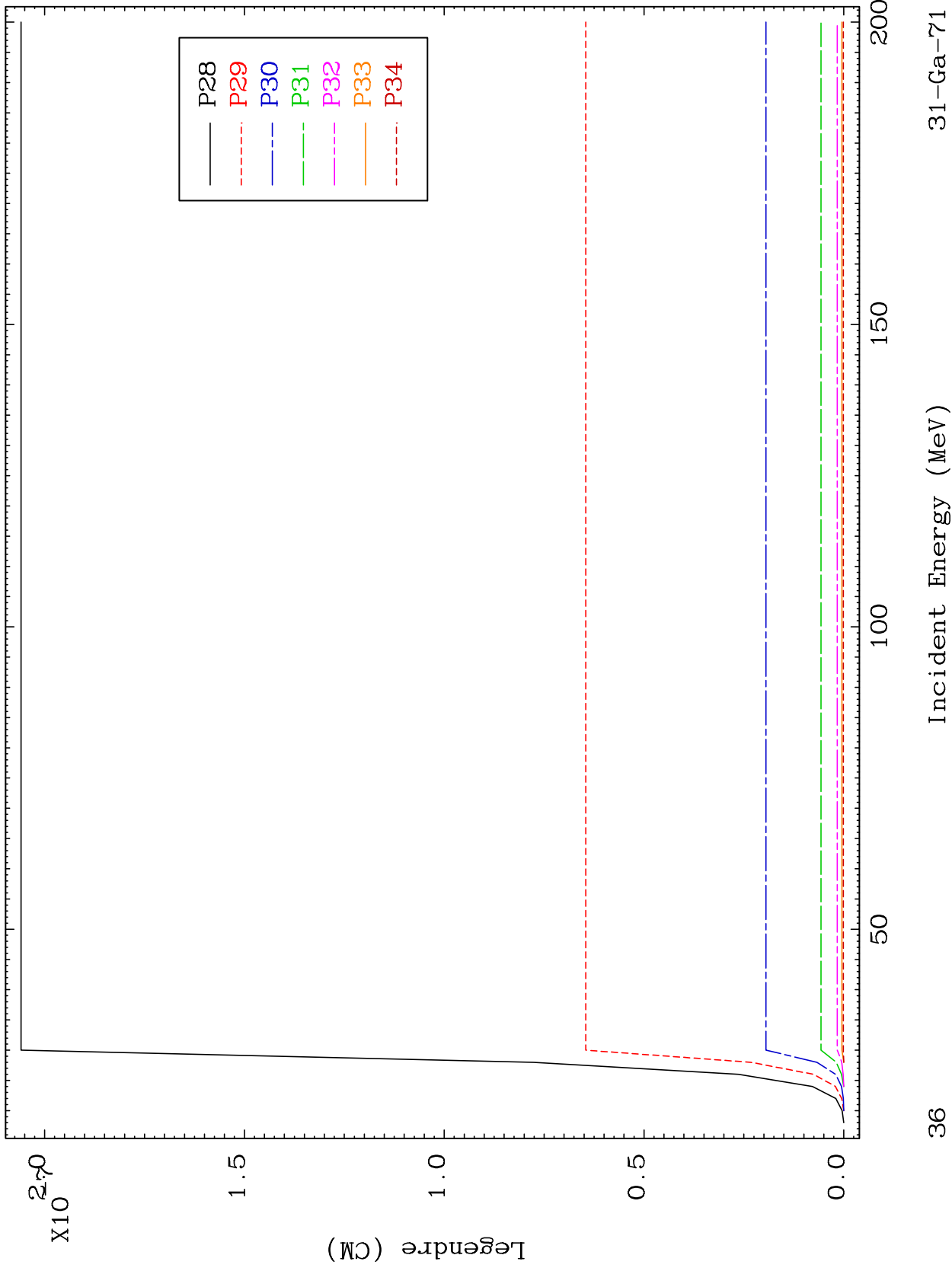
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



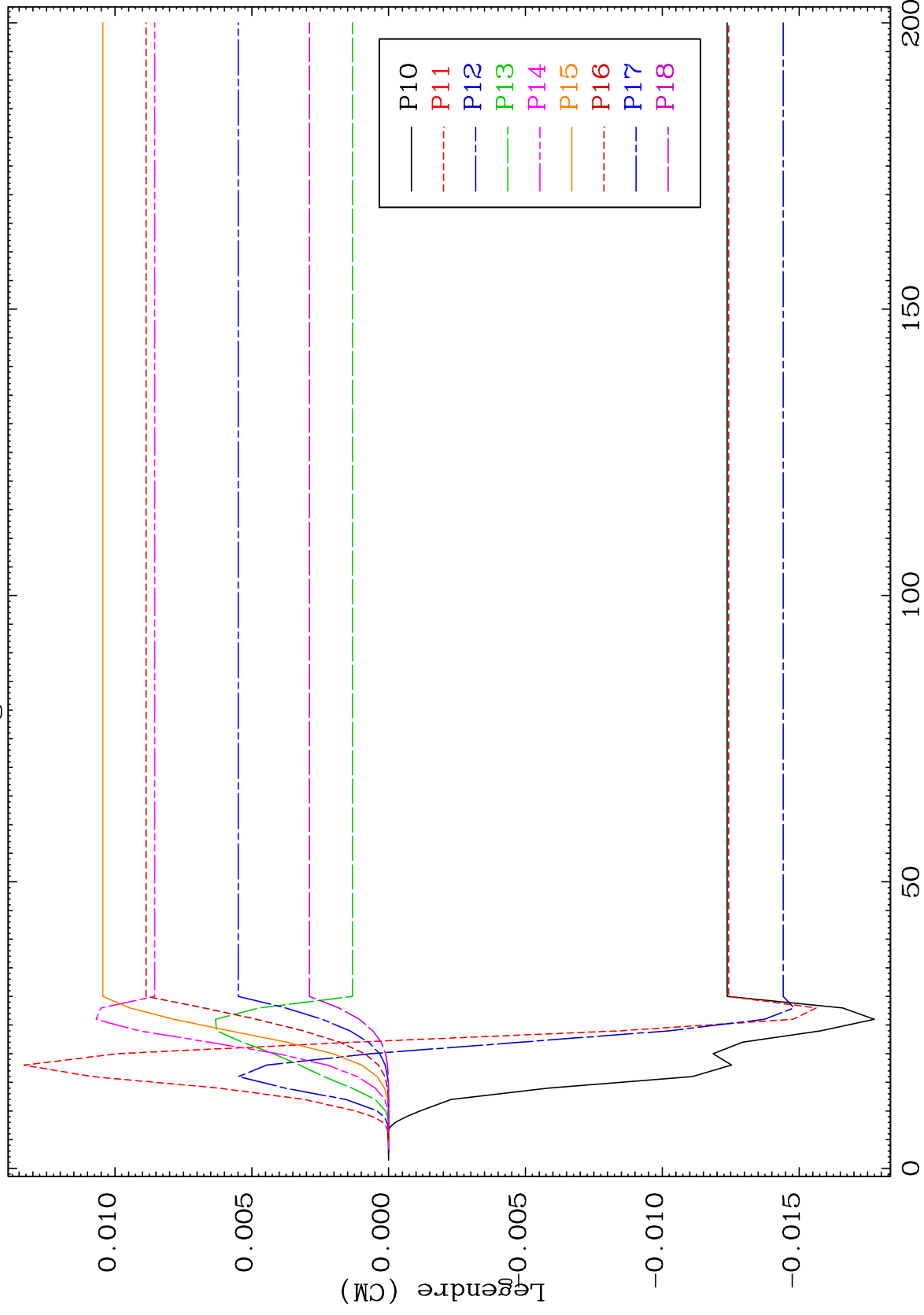
36

31-Ga-71

MAT 3131

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

31-Ga-71



38

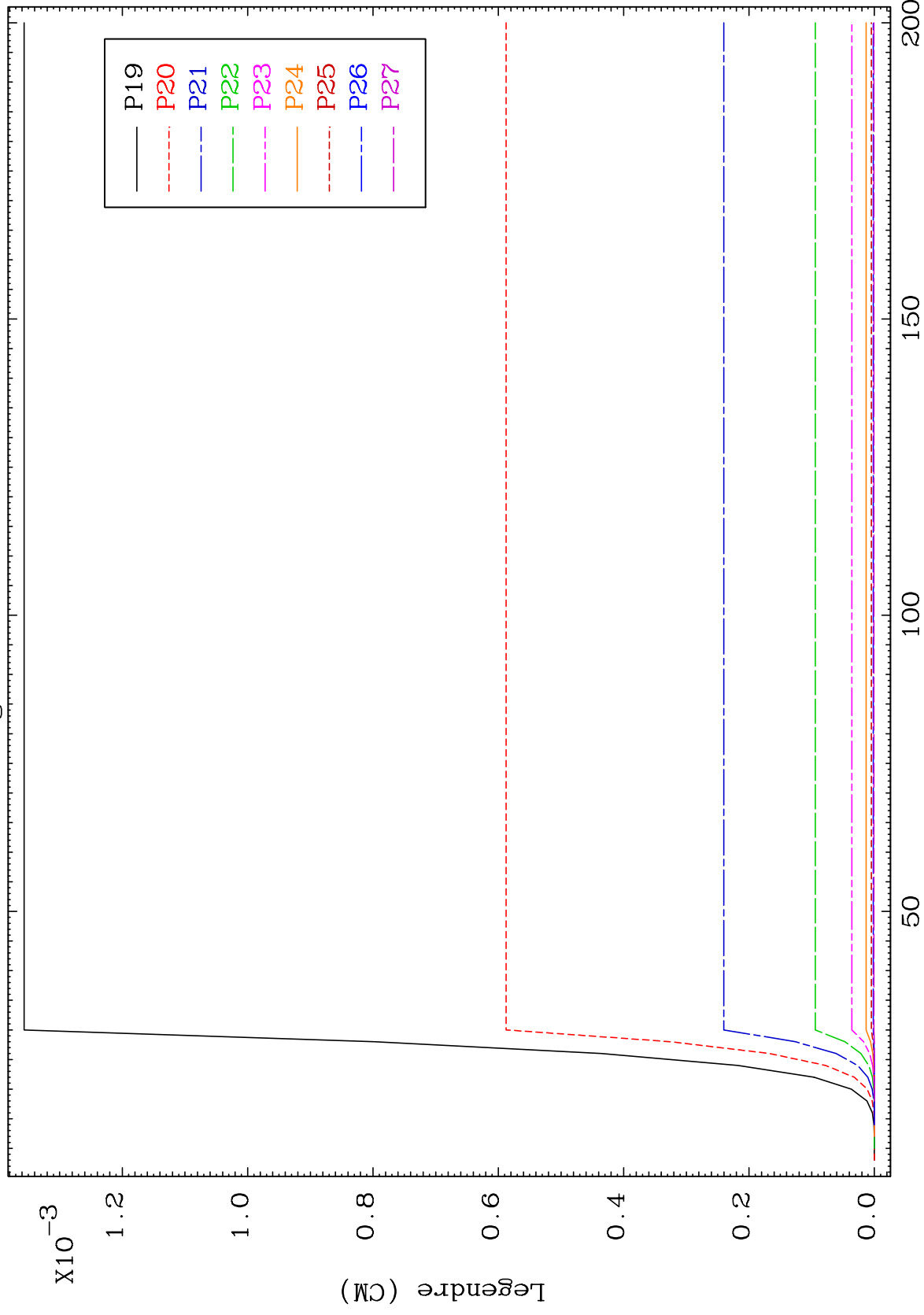
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



39

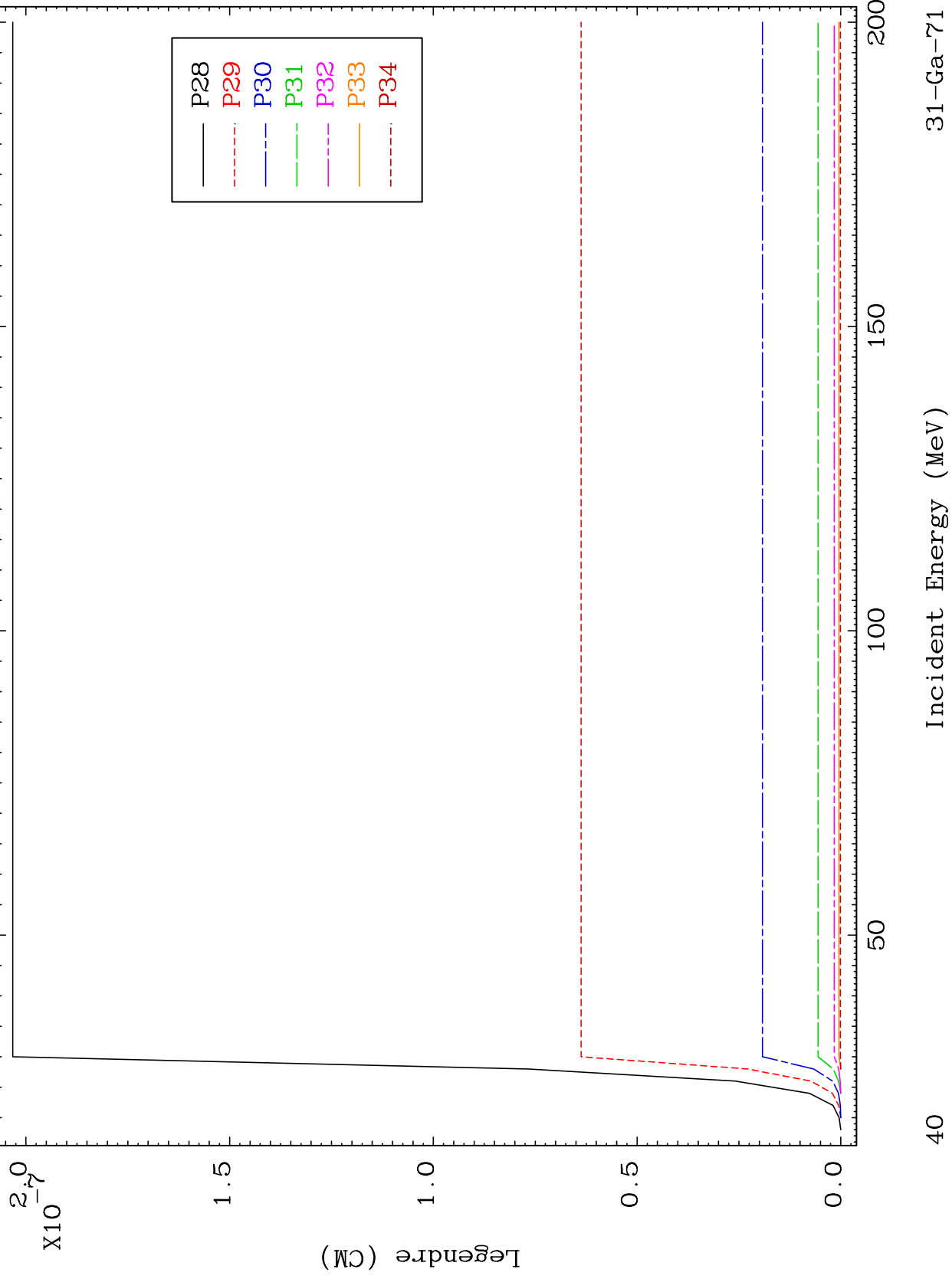
Incident Energy (MeV)

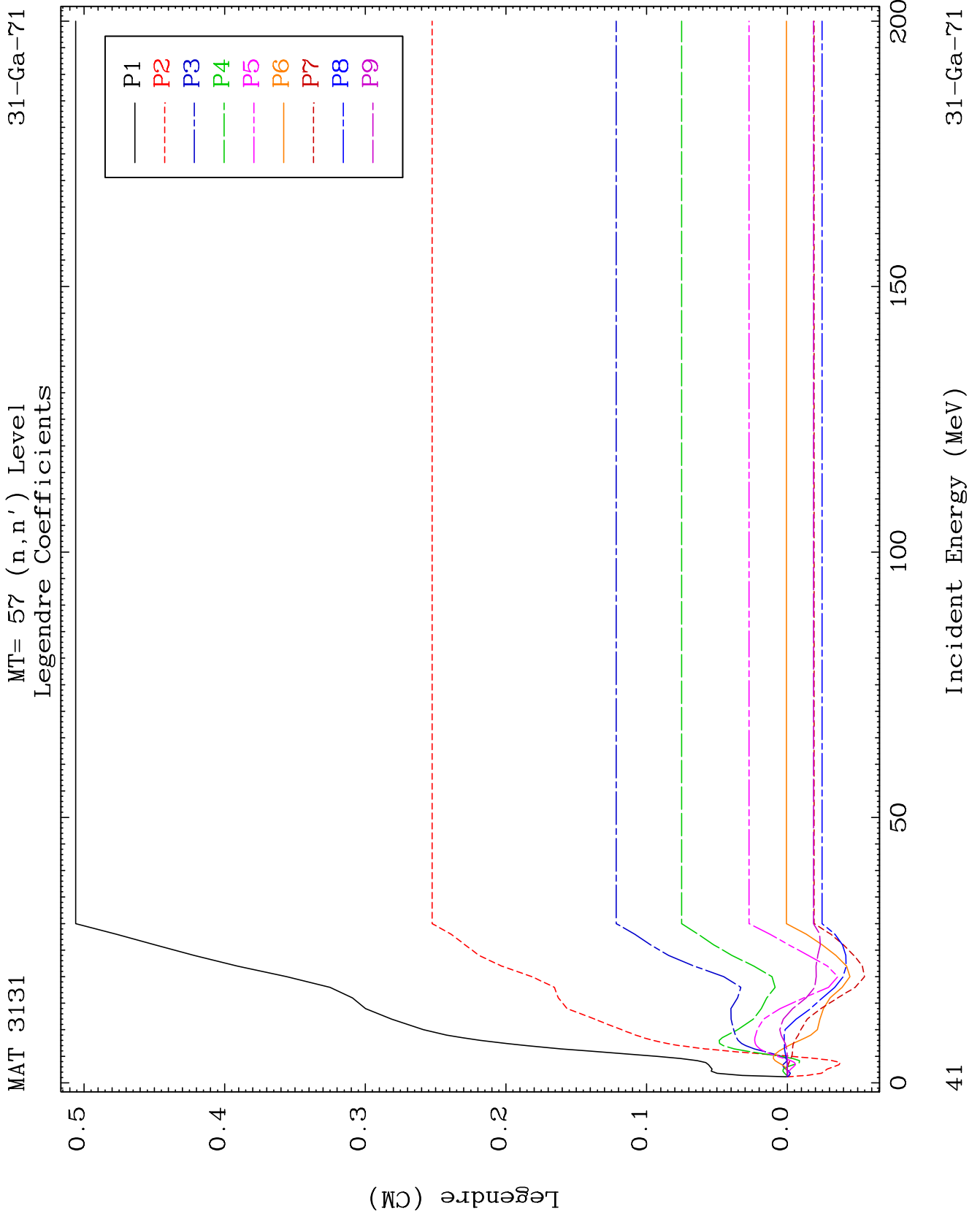
31-Ga-71

MAT 3131

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

31-Ga-71

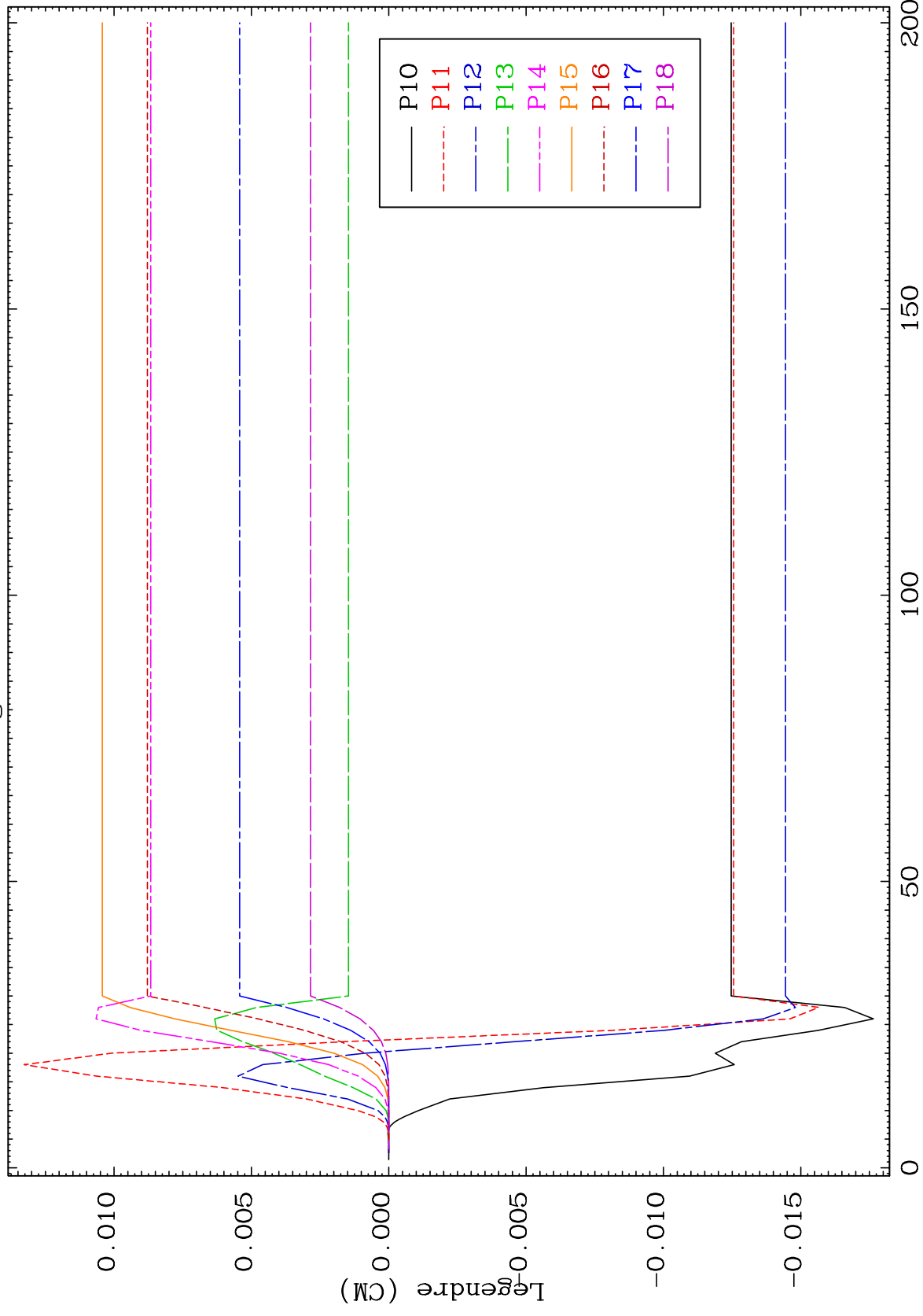




MAT 3131

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

31-Ga-71



42

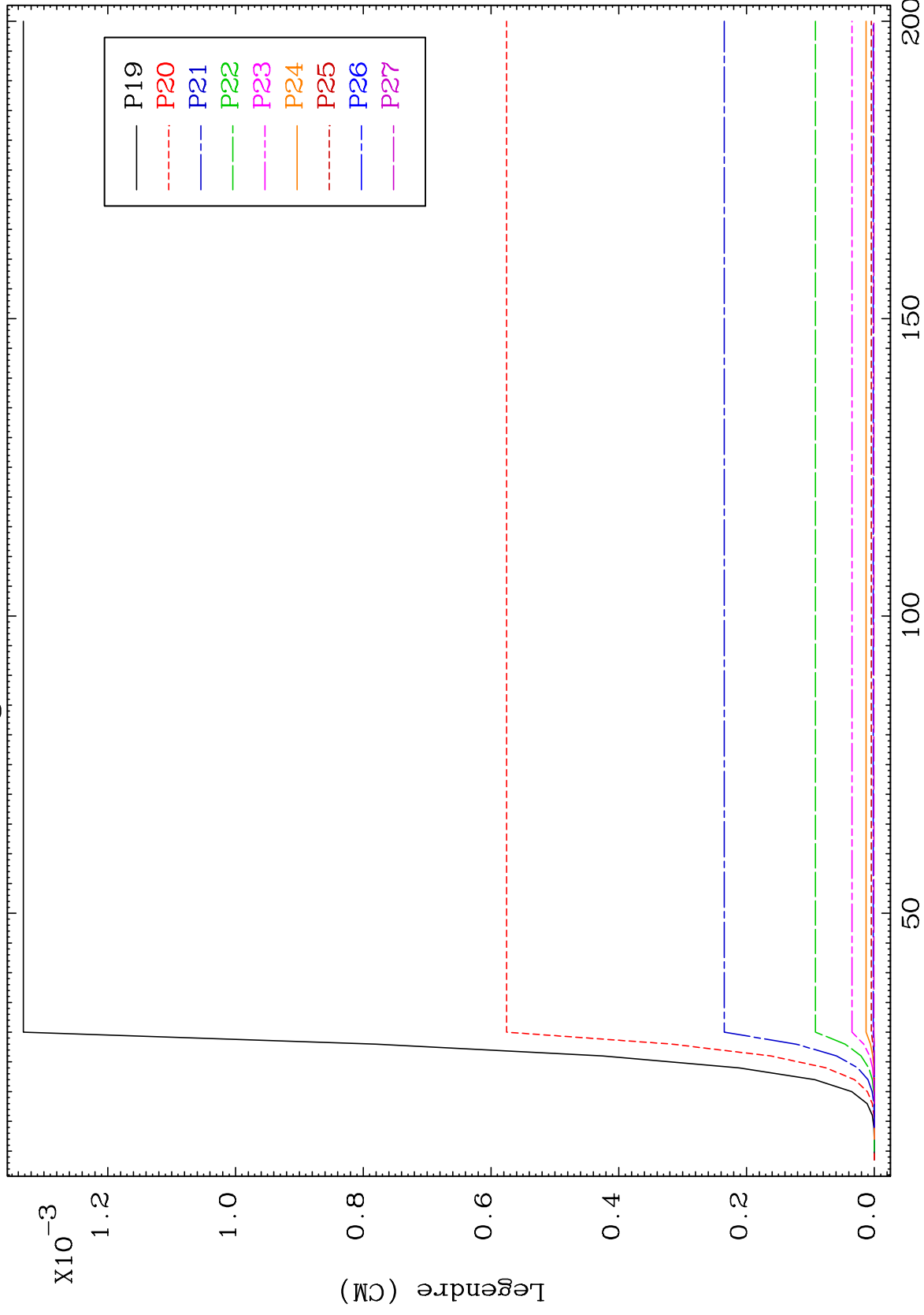
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

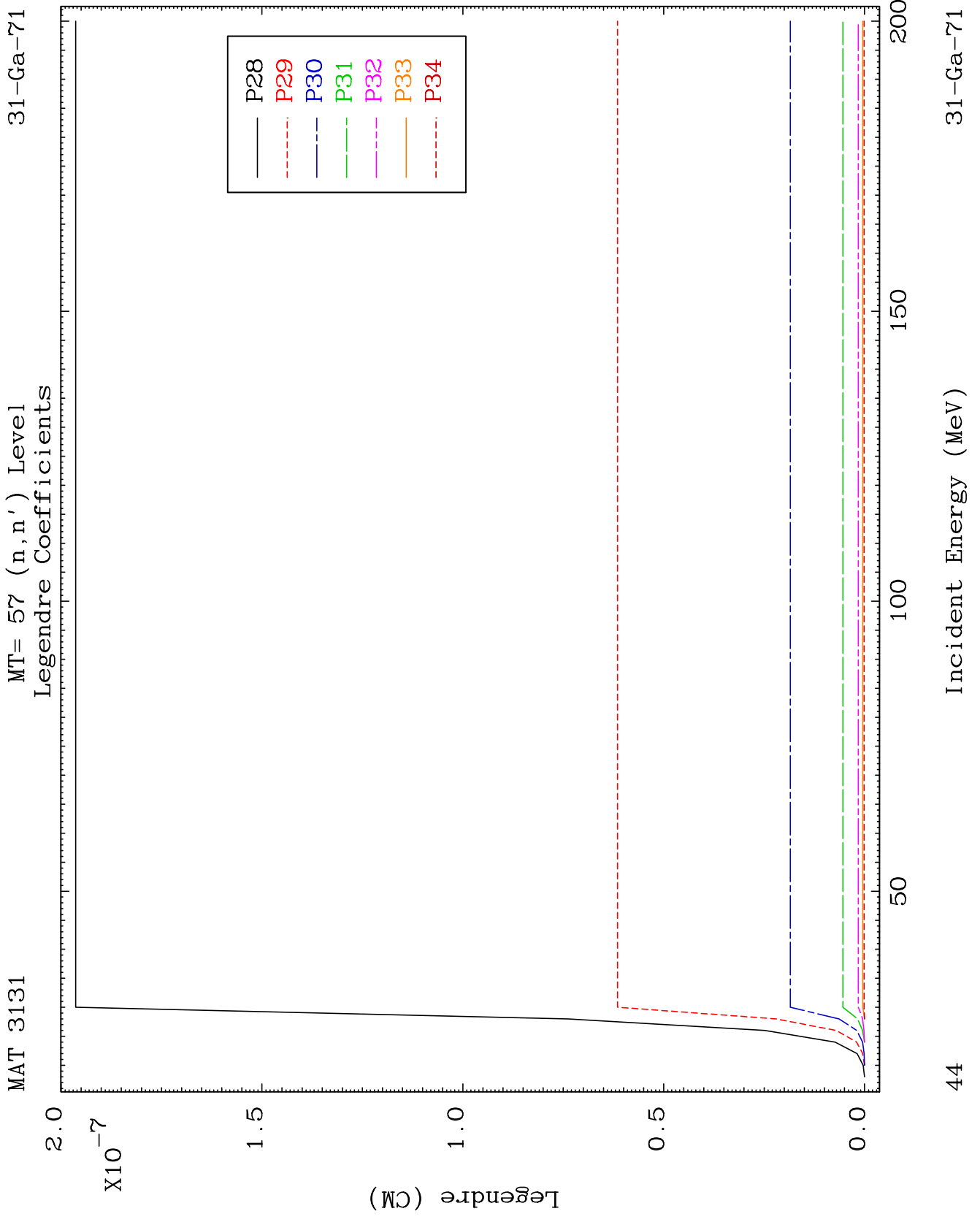
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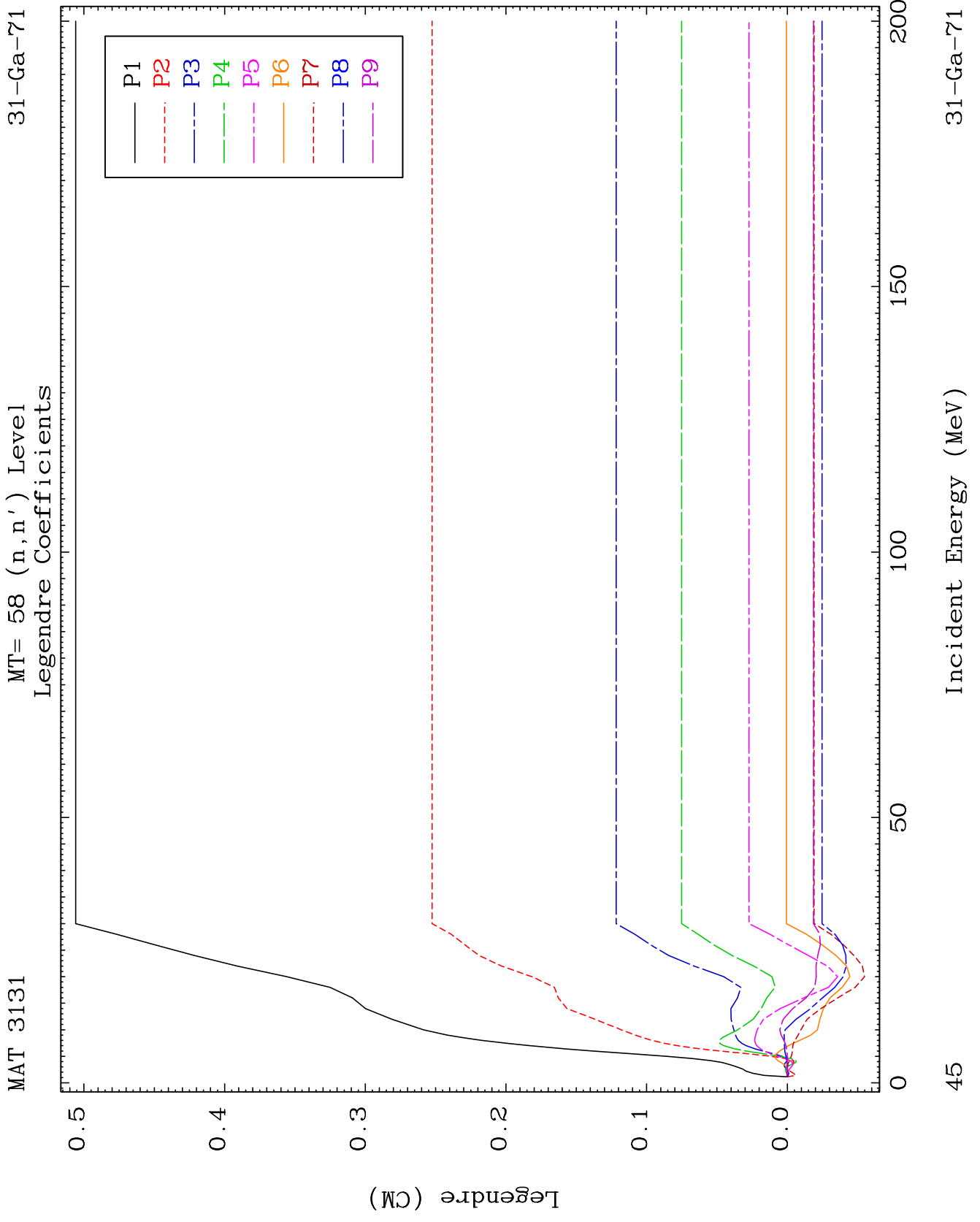


43

Incident Energy (MeV)

31-Ga-71

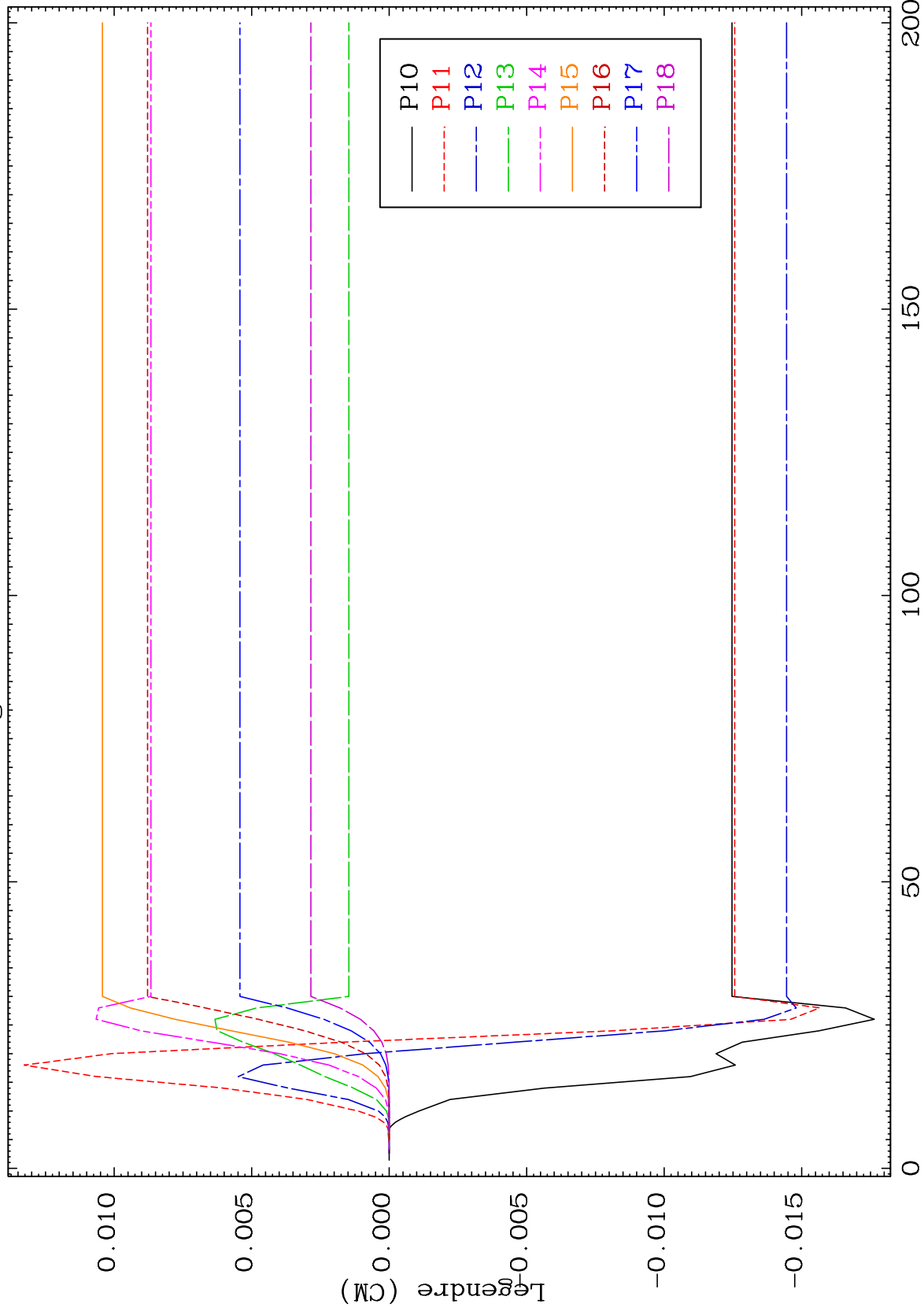




MAT 3131

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

31-Ga-71



46

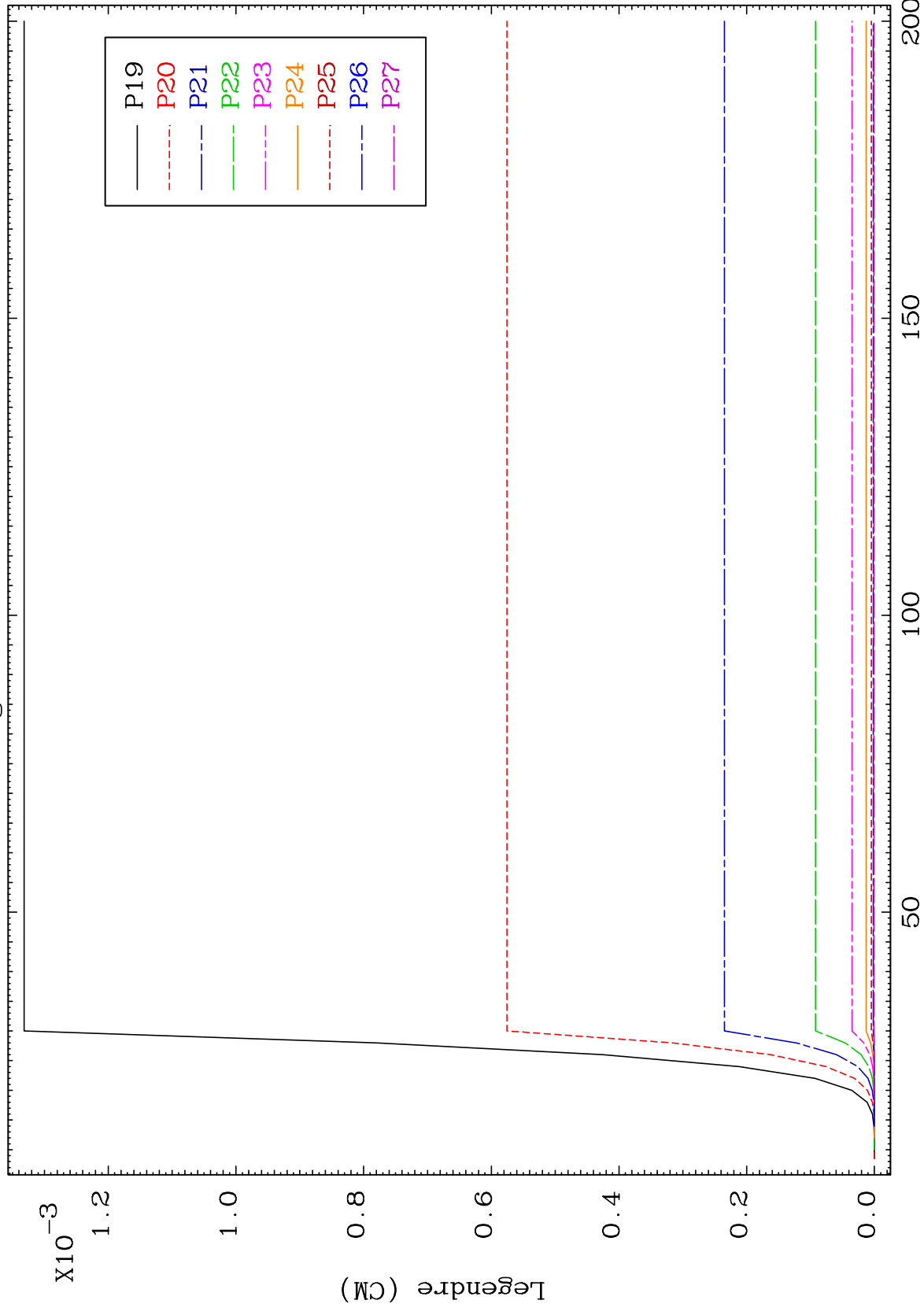
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

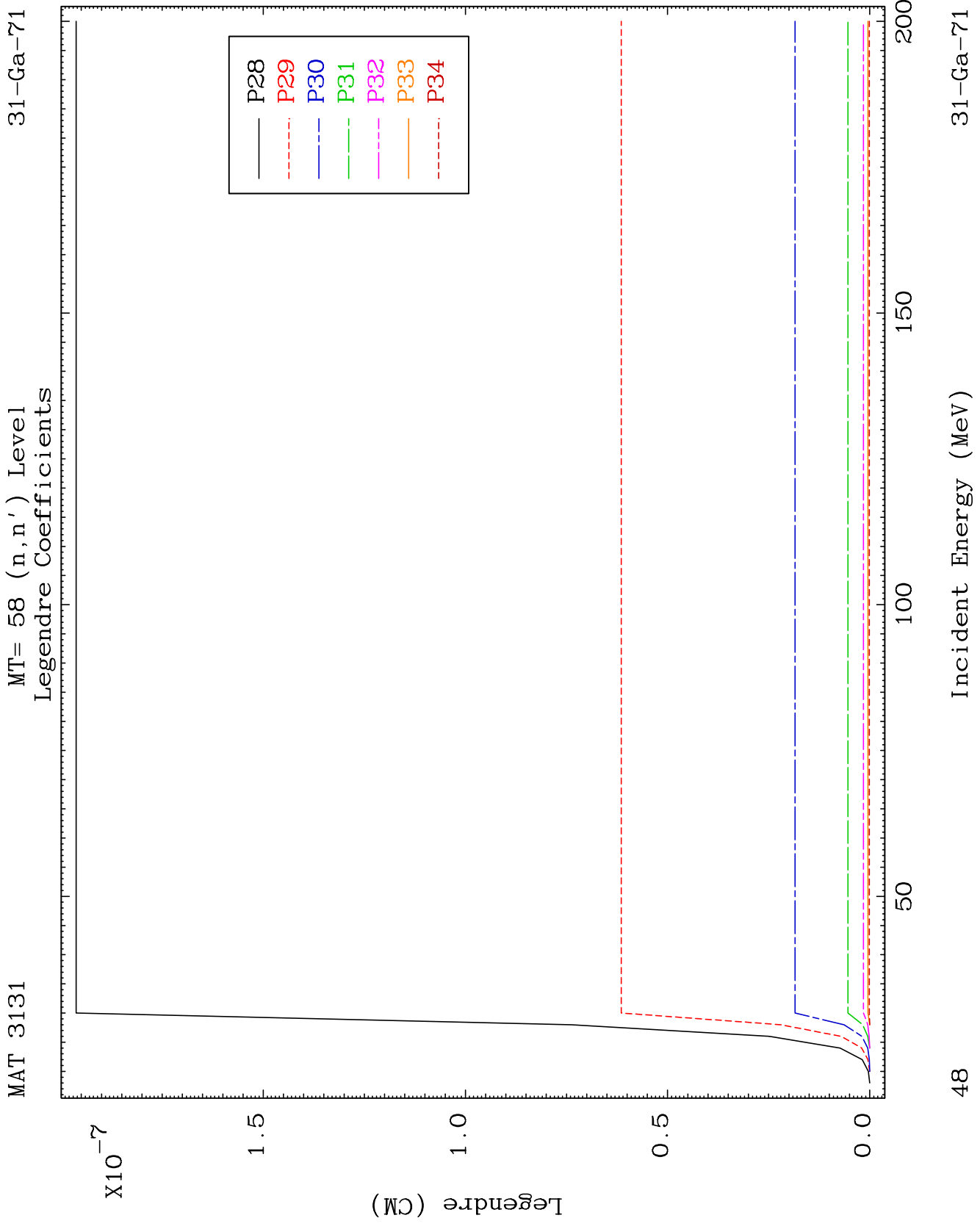
31-Ga-71



47

Incident Energy (MeV)

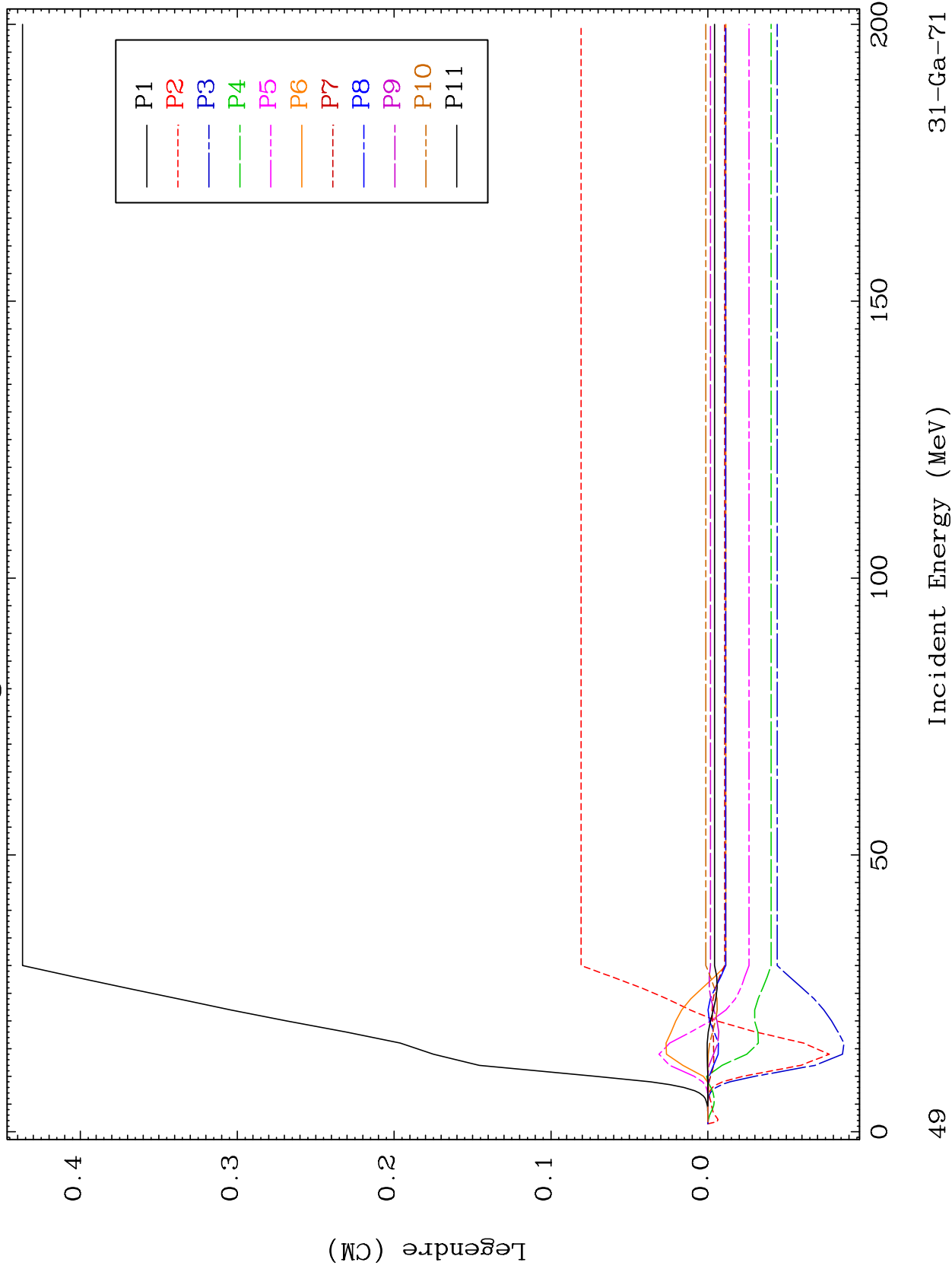
31-Ga-71



MAT 3131

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

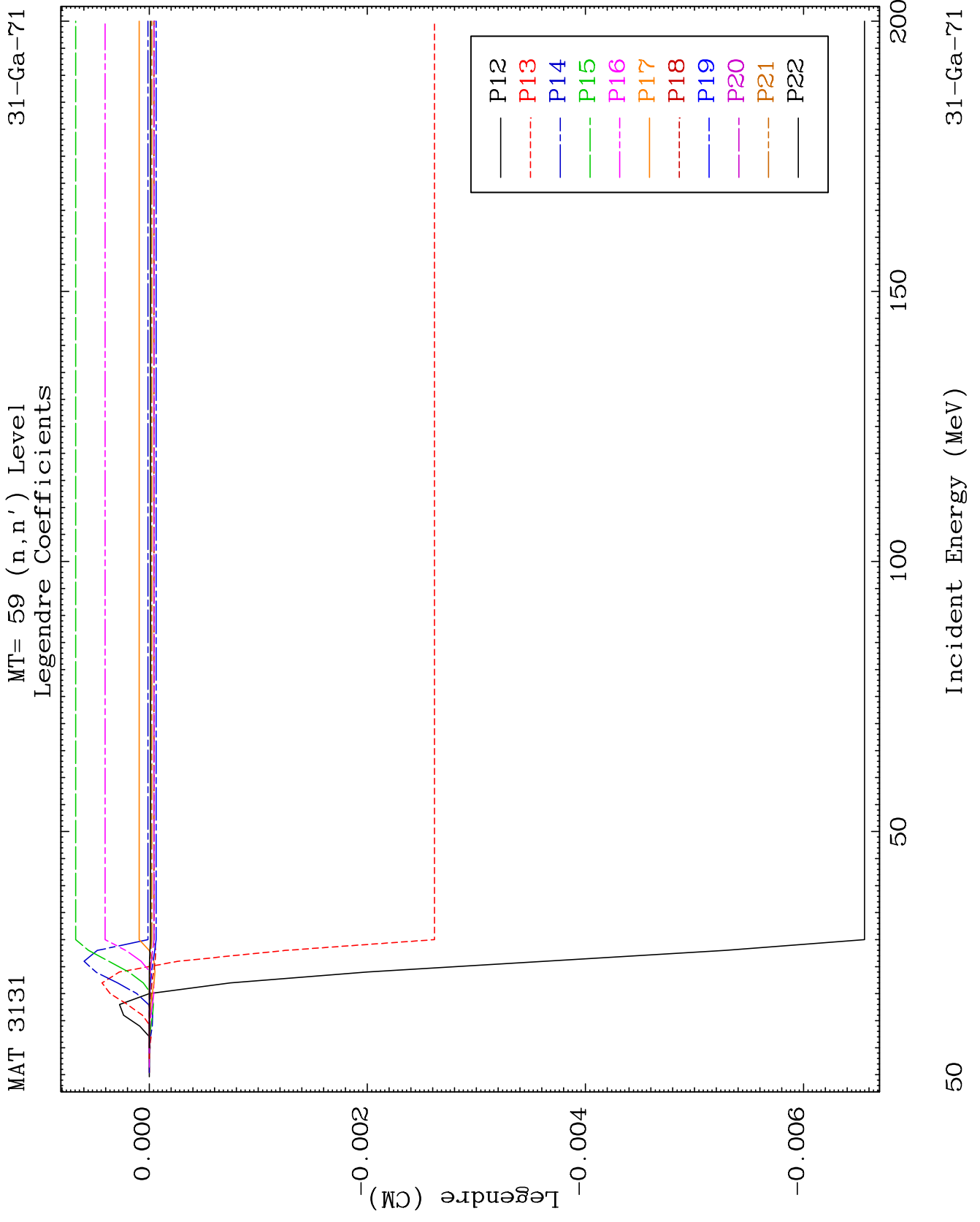
31-Ga-71

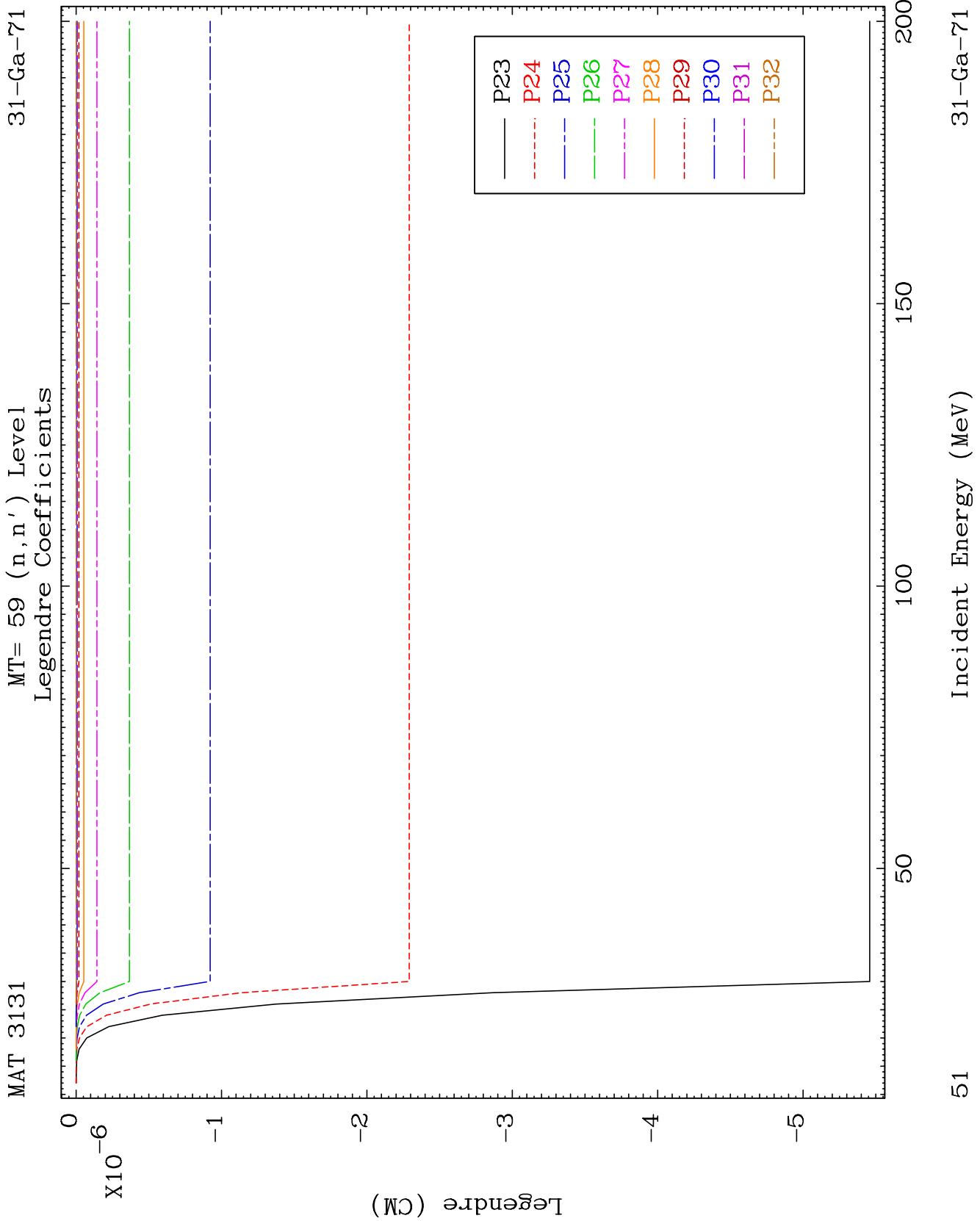


49

Incident Energy (MeV)

31-Ga-71

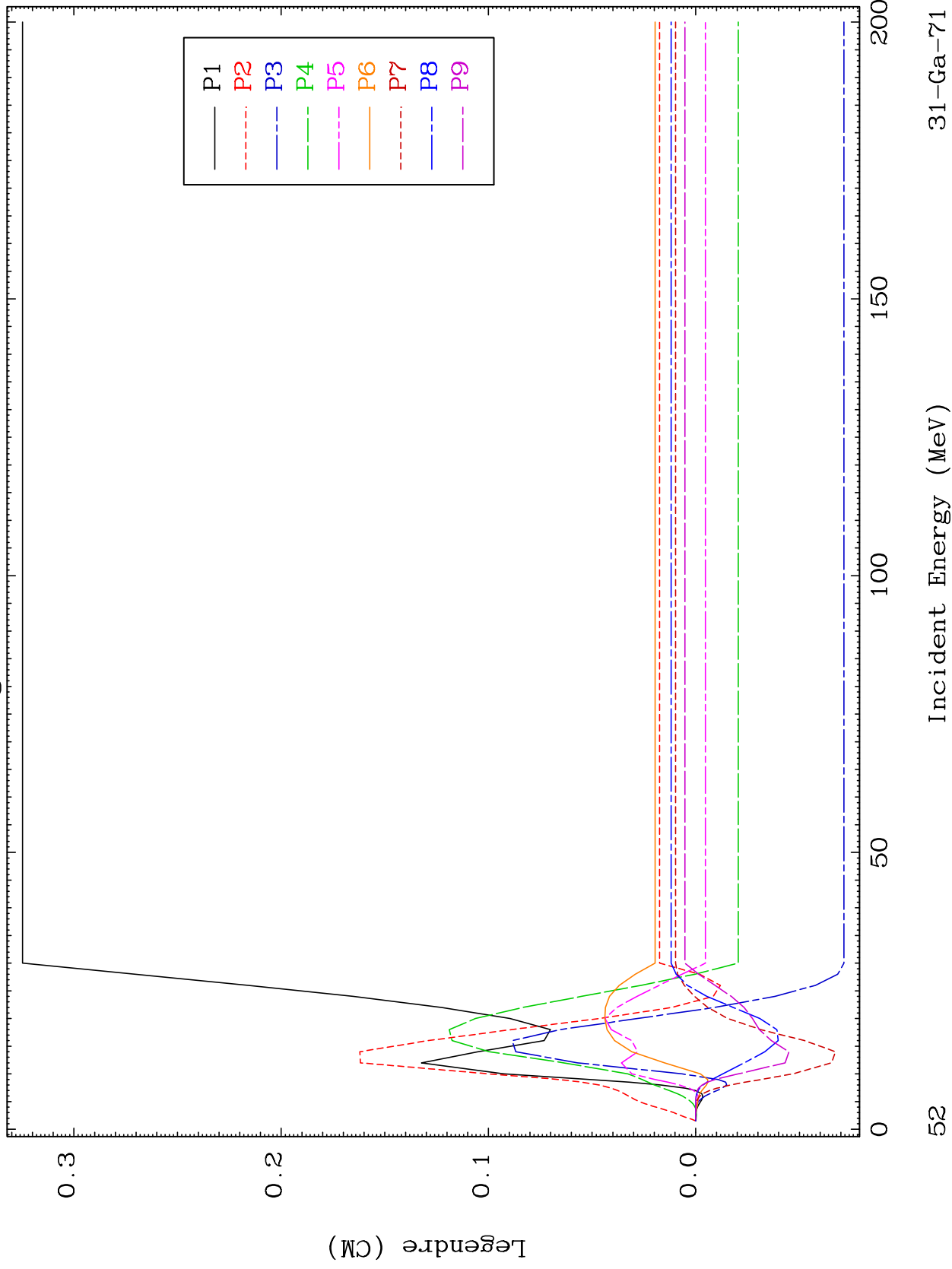




MAT 3131

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

31-Ga-71



52

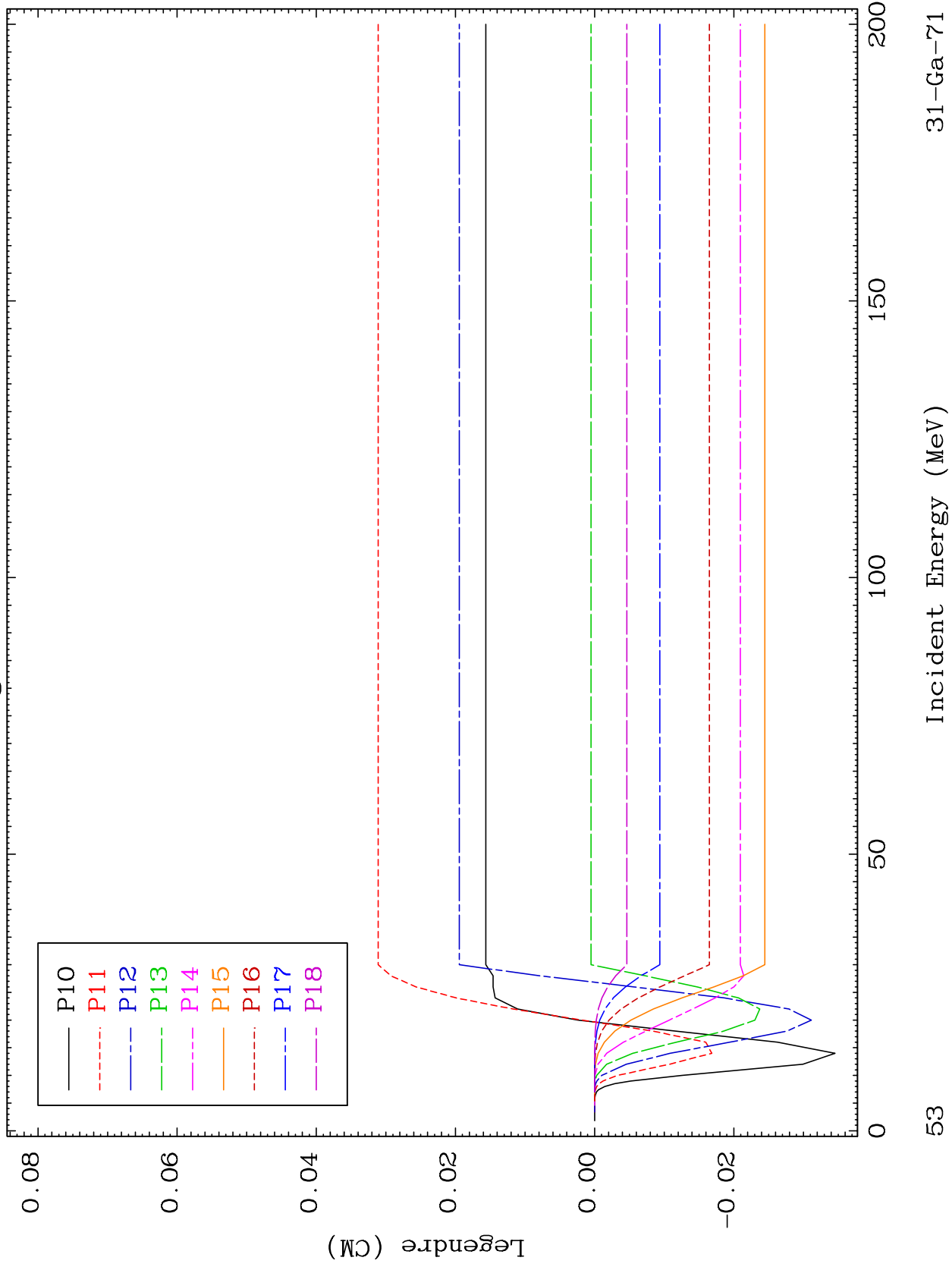
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

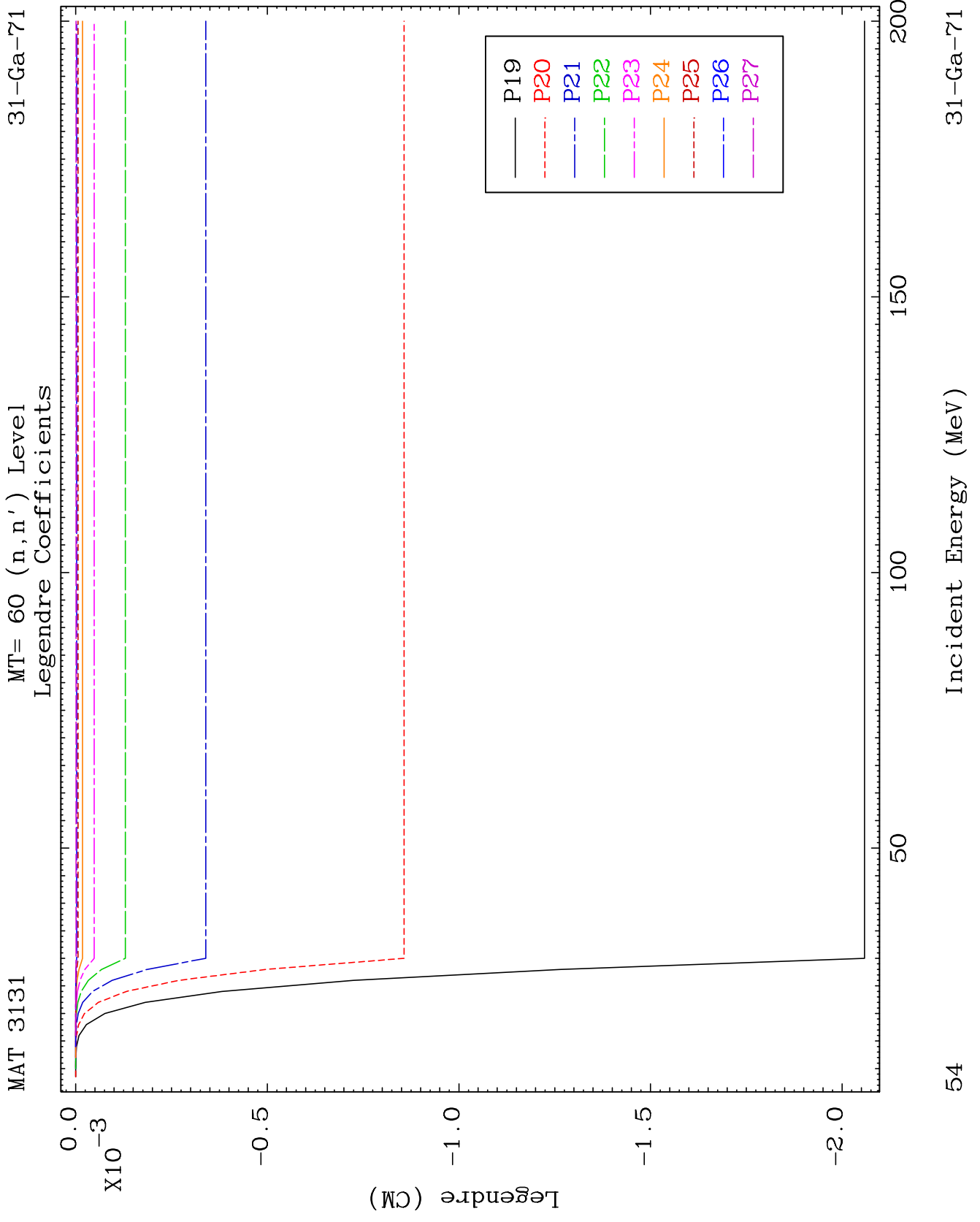
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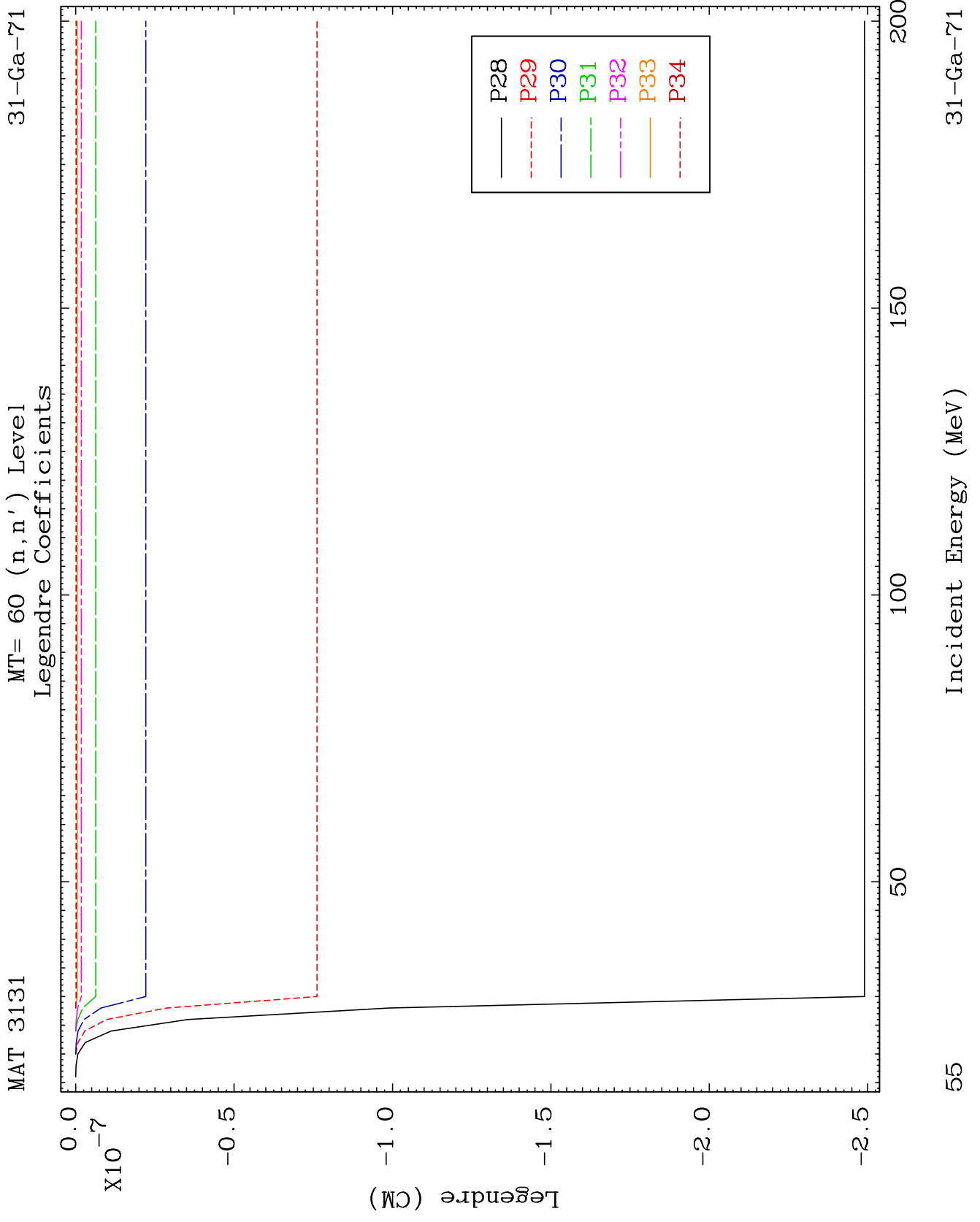


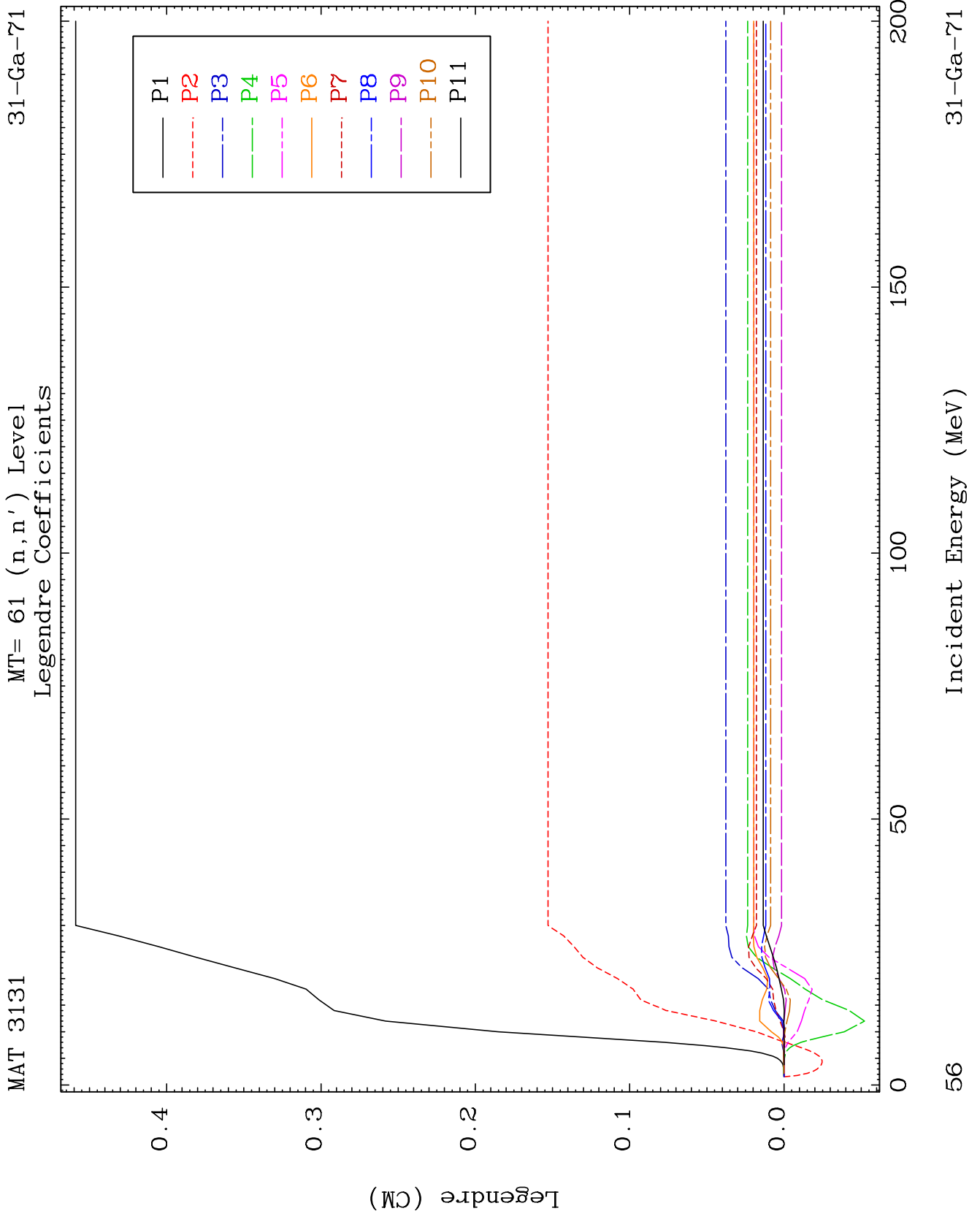
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Incident Energy (MeV)

31-Ga-71



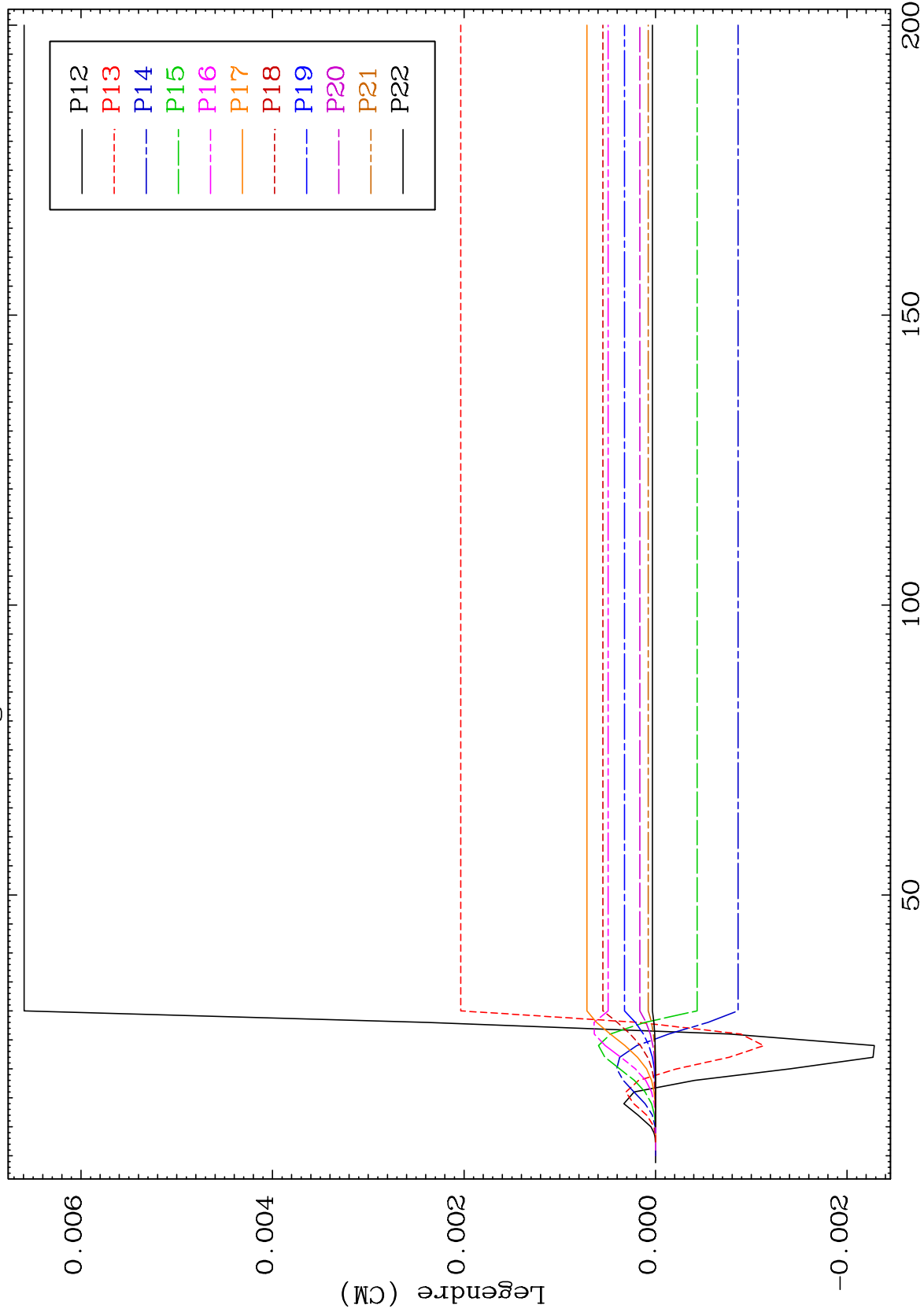




MAT 3131

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

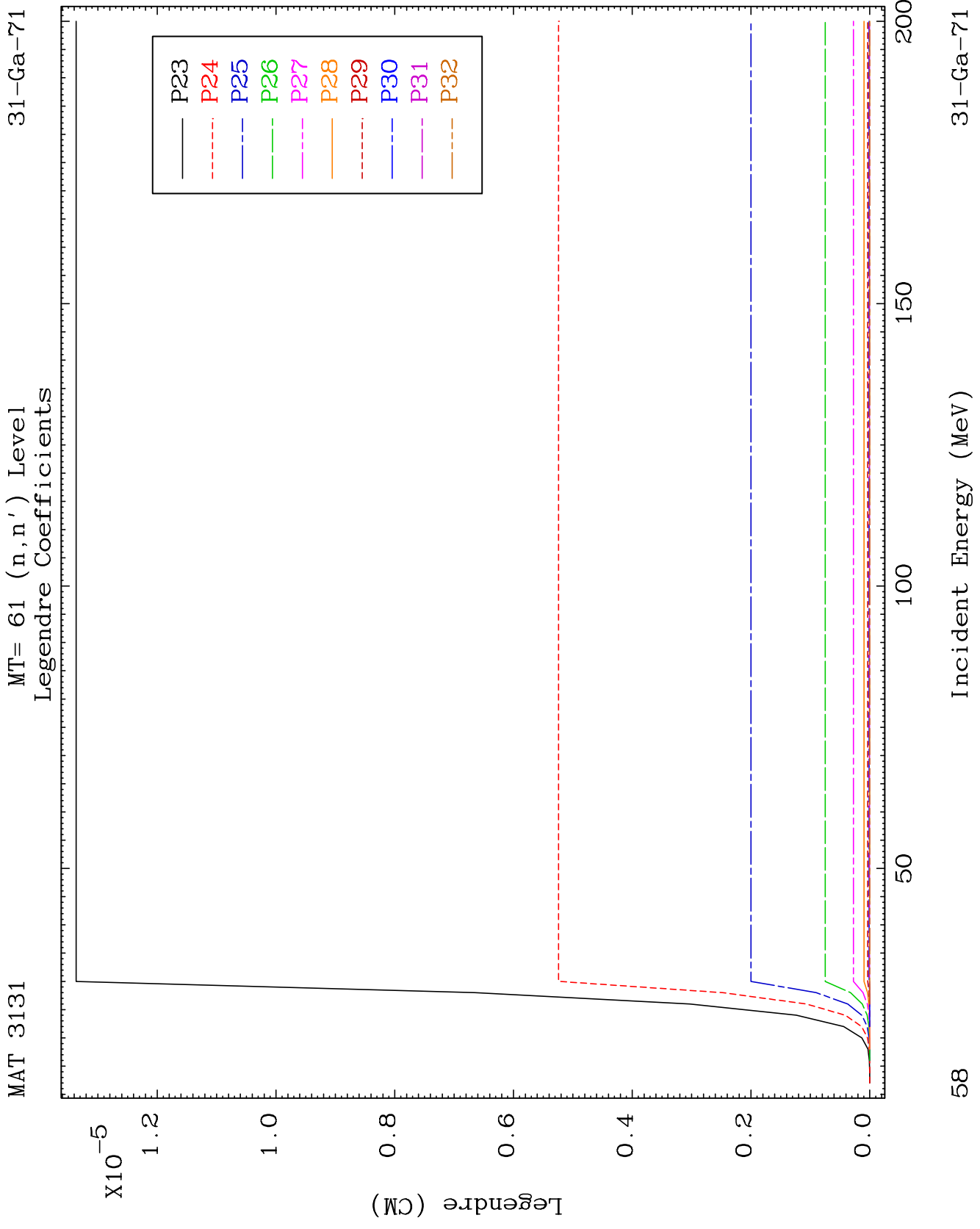
31-Ga-71



57

Incident Energy (MeV)

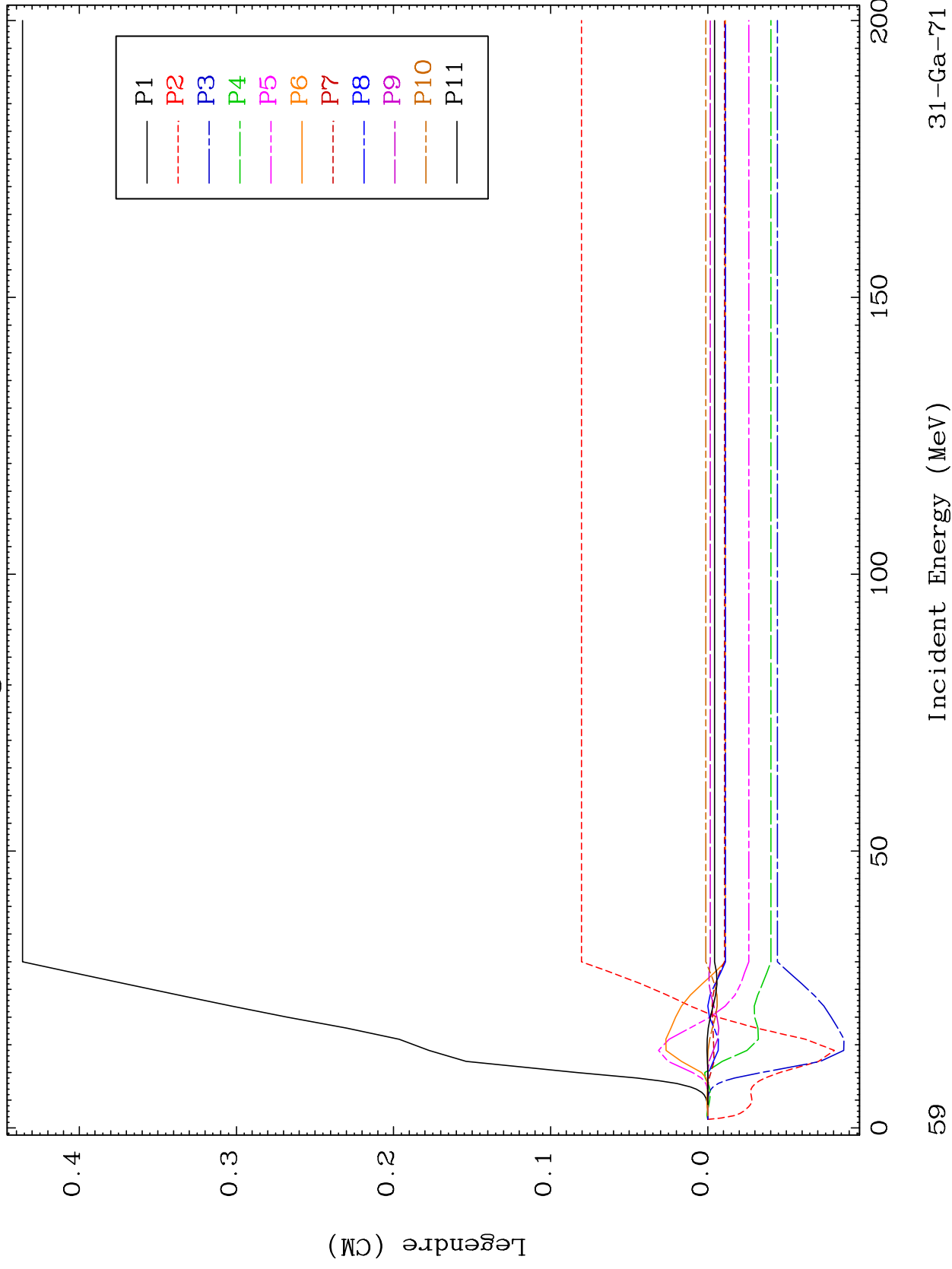
31-Ga-71



MAT 3131

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

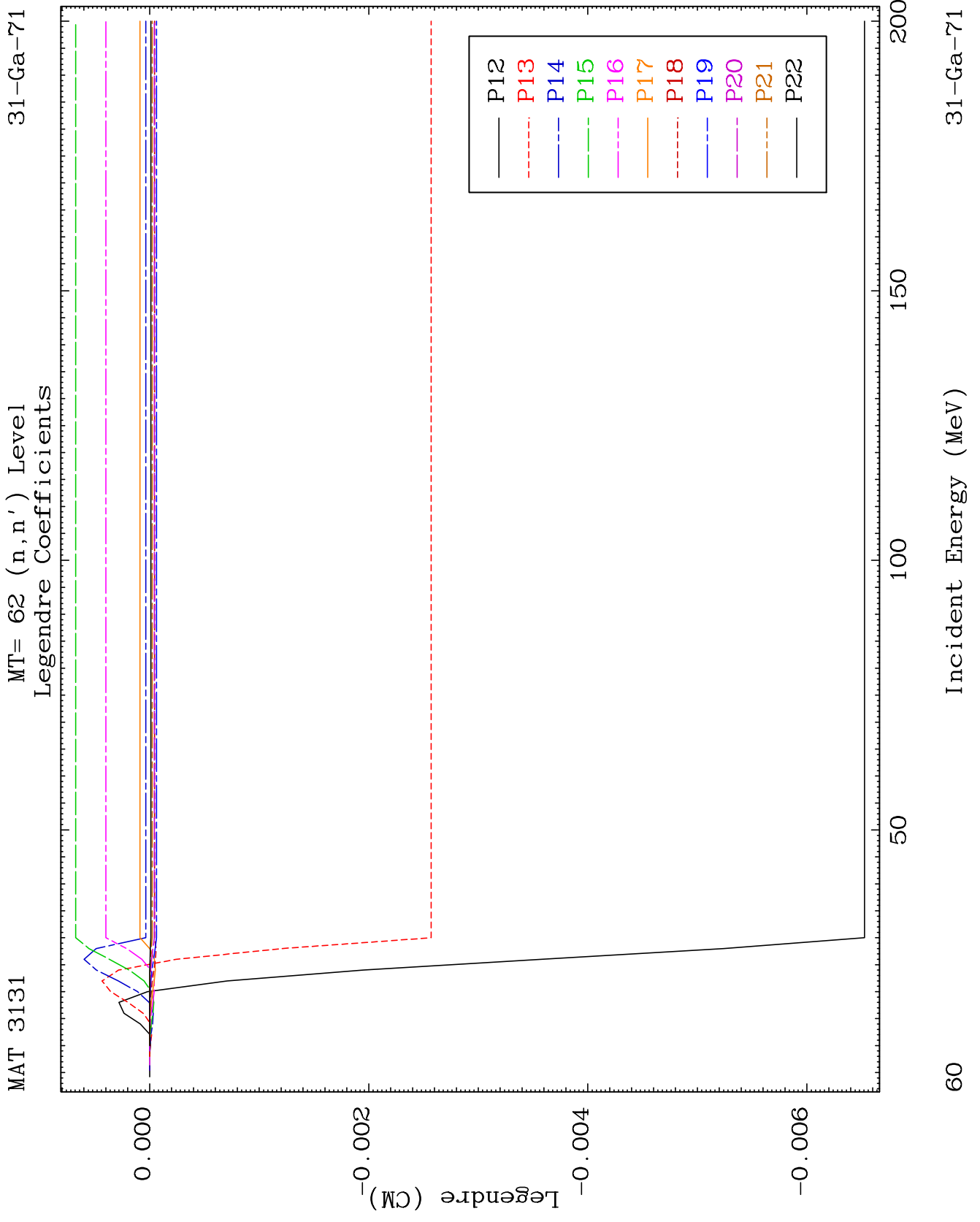
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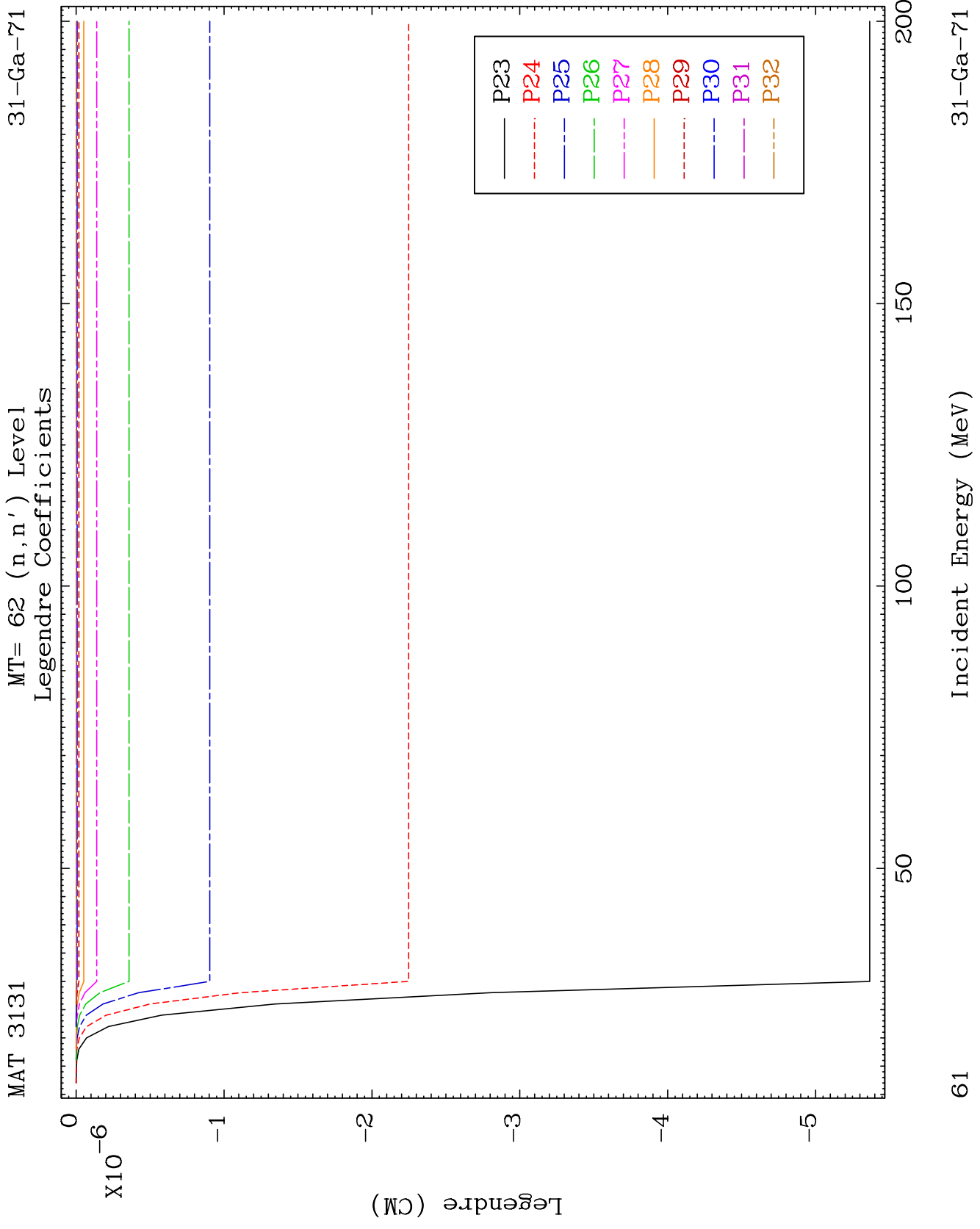


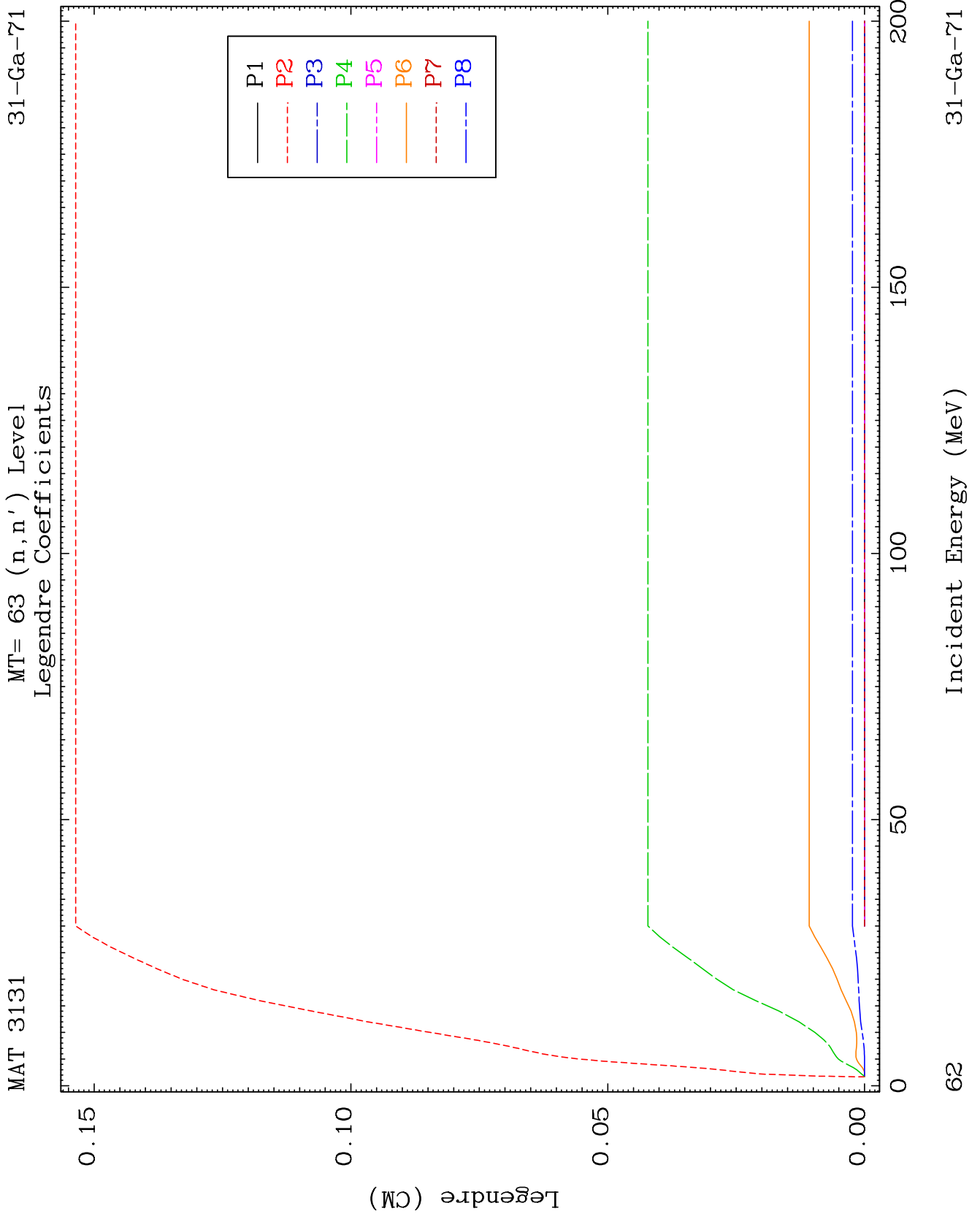
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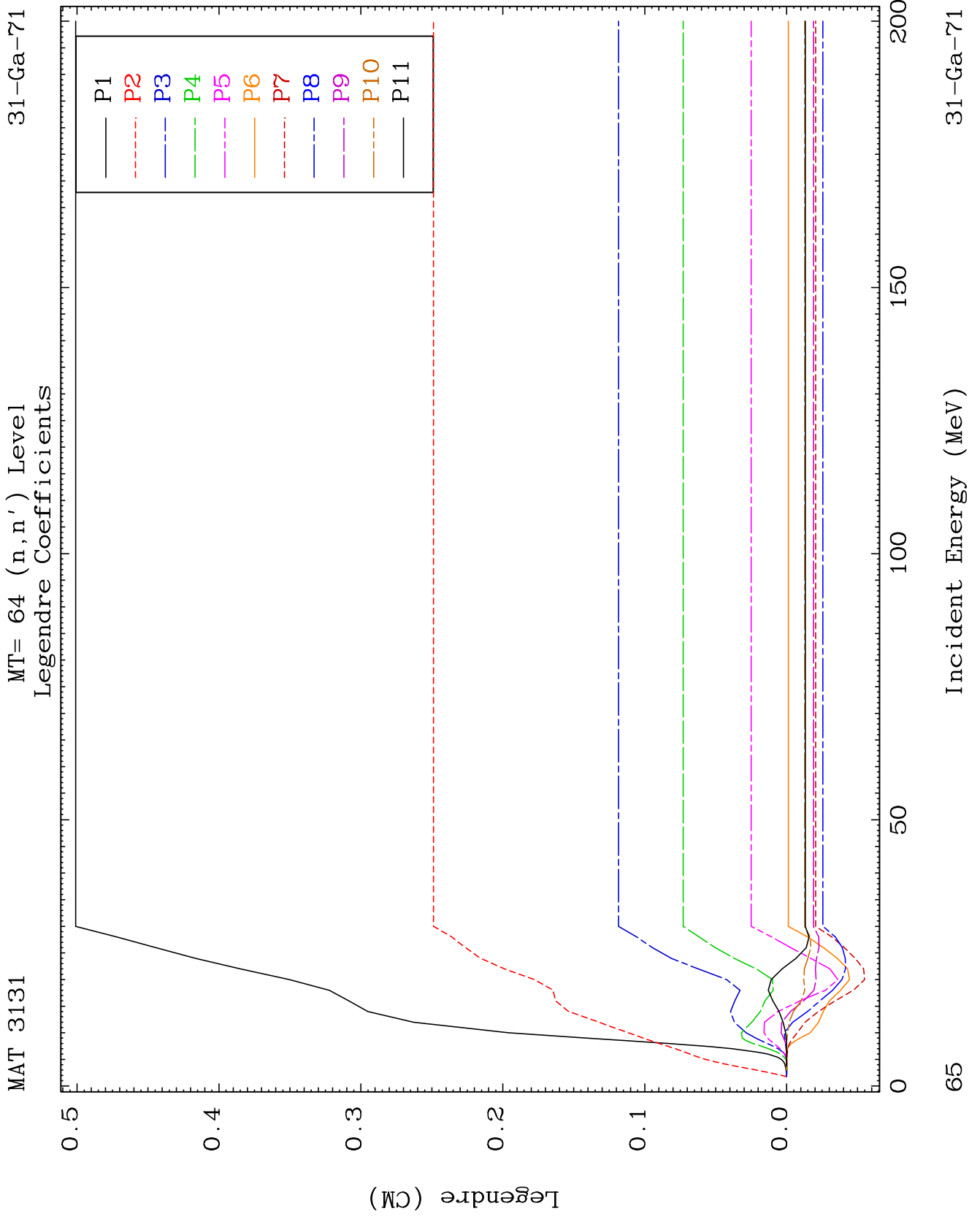
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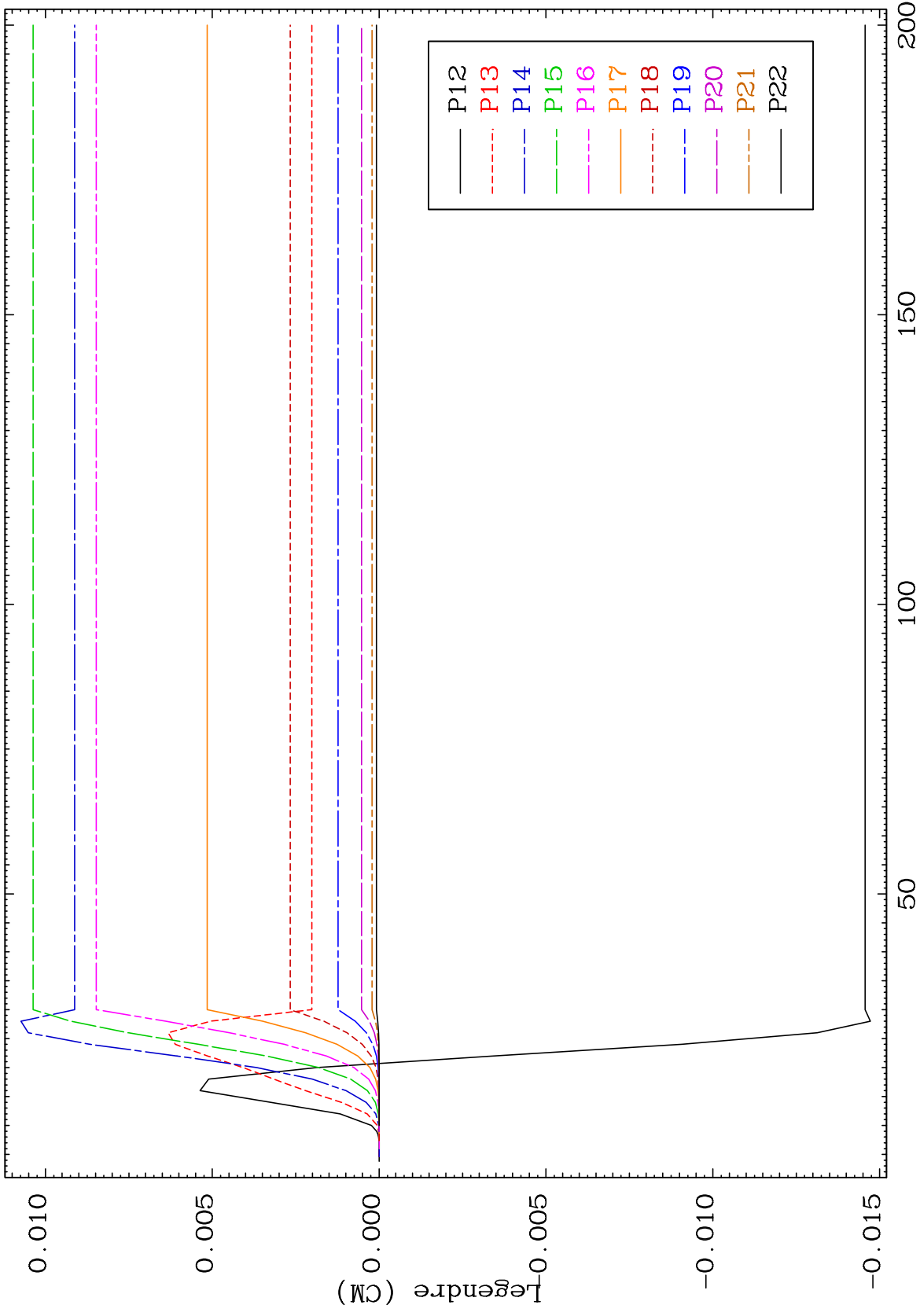
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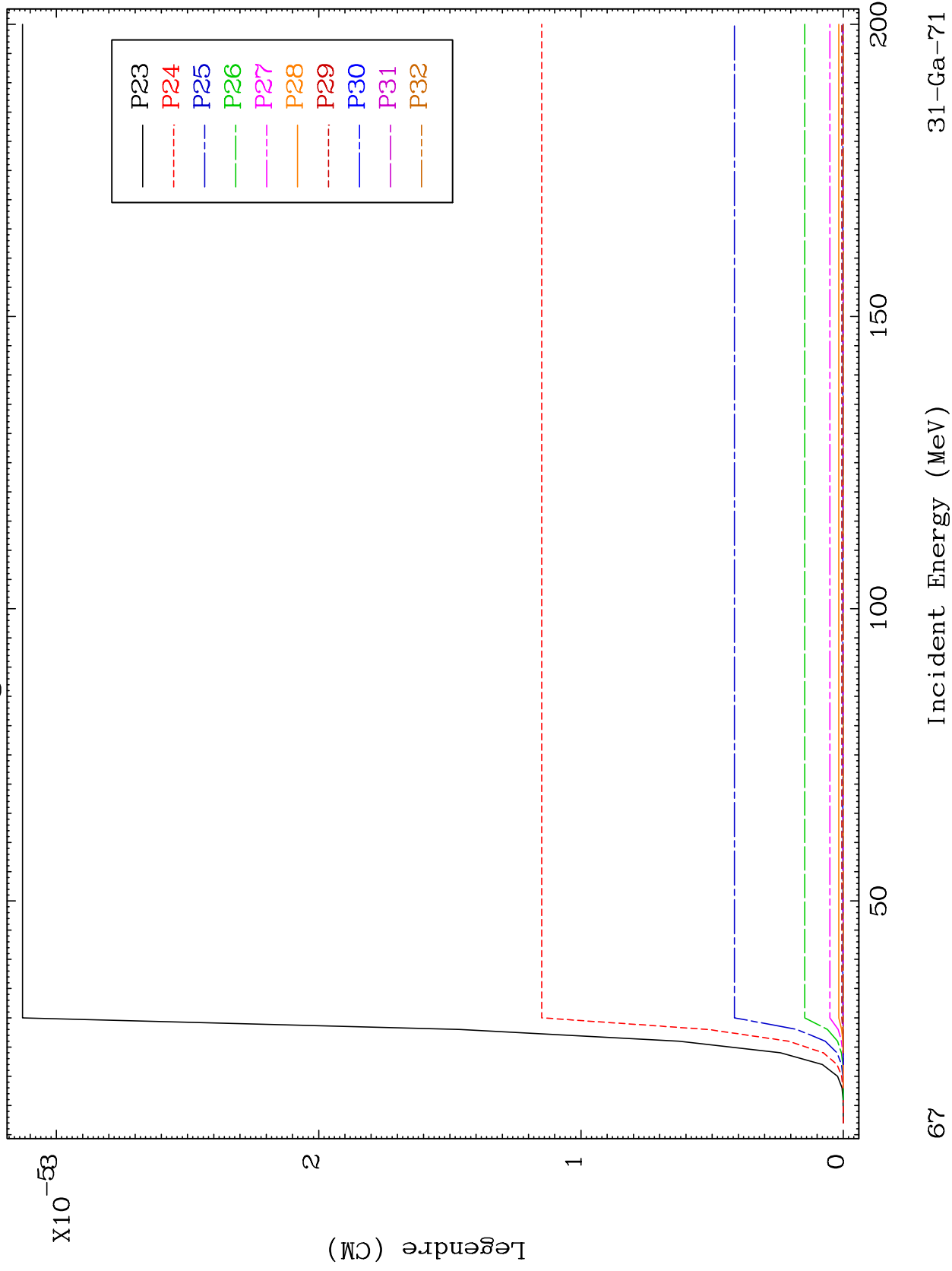




MAT 3131

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

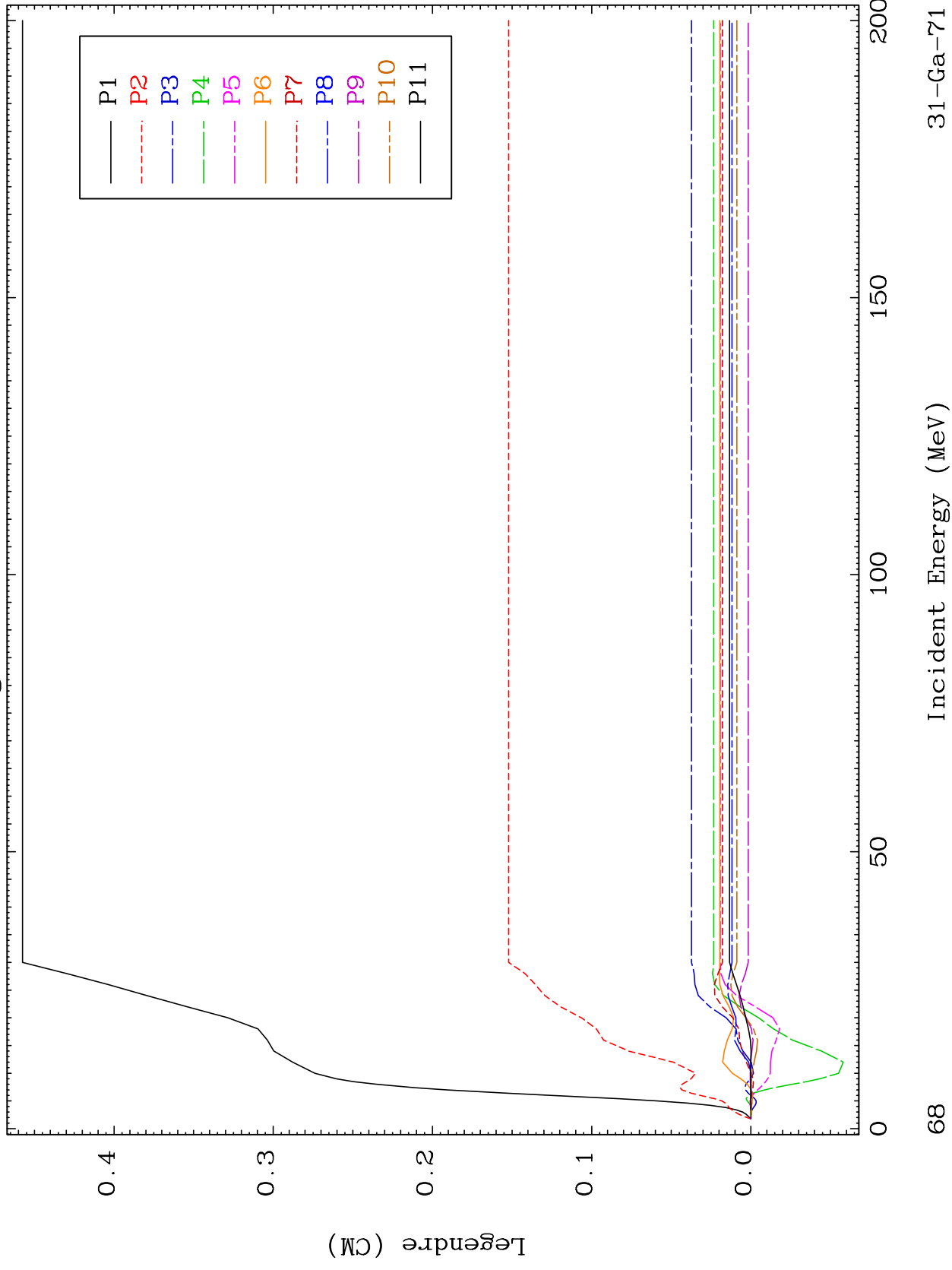
31-Ga-71



MAT 3131

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

31-Ga-71



31-Ga-71

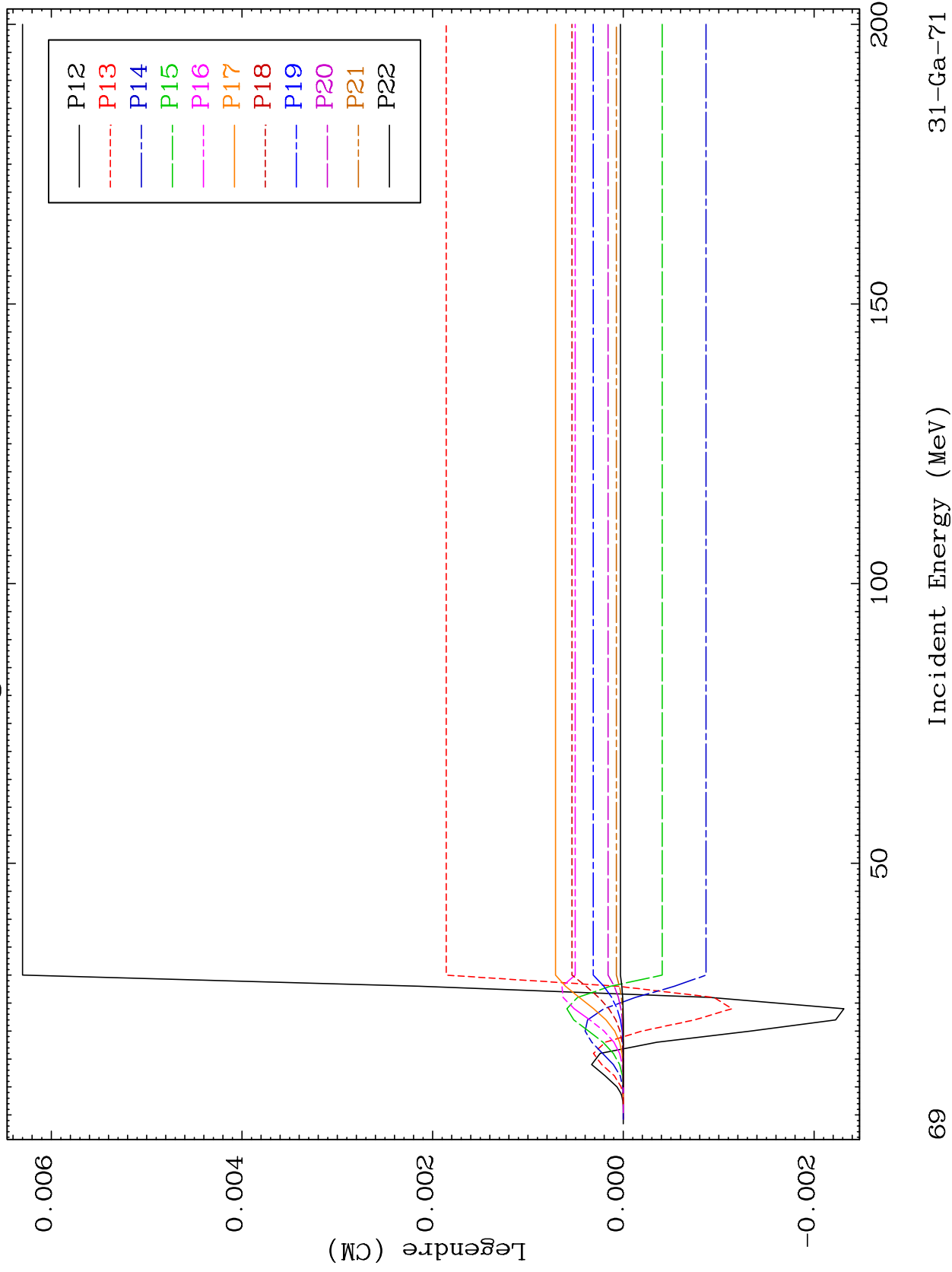
Incident Energy (MeV)

68

MAT 3131

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

31-Ga-71



69

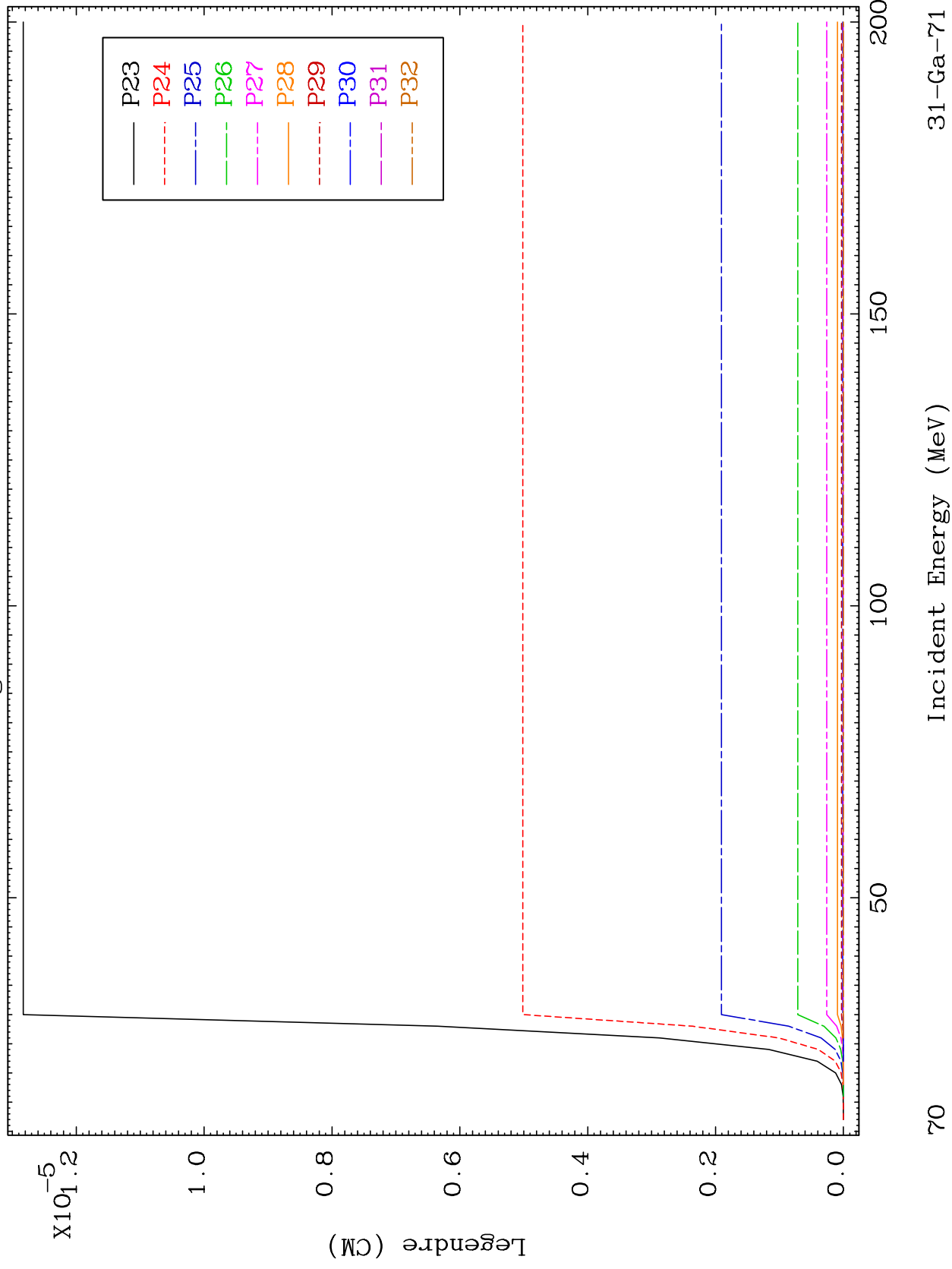
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

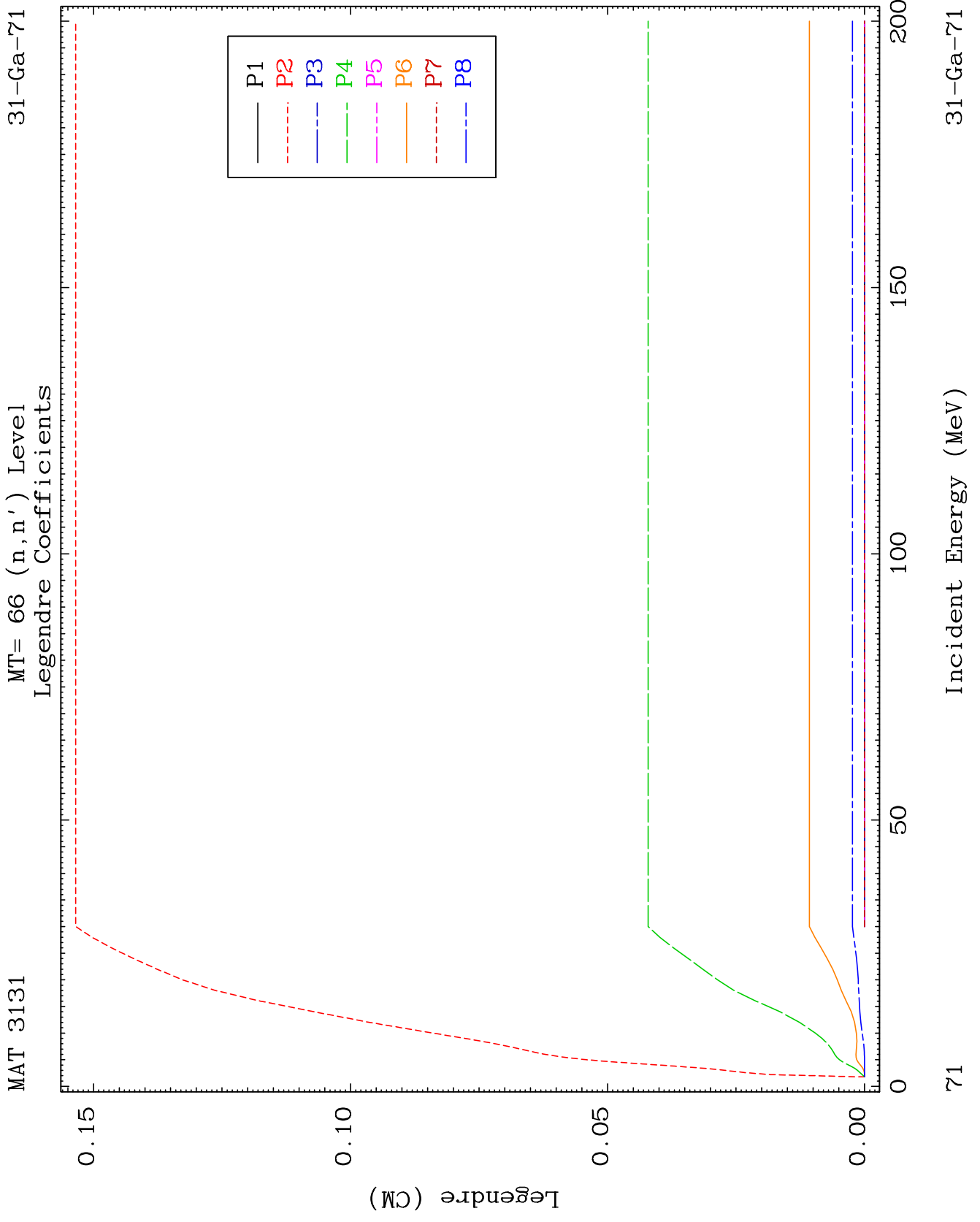
31-Ga-71



70

Incident Energy (MeV)

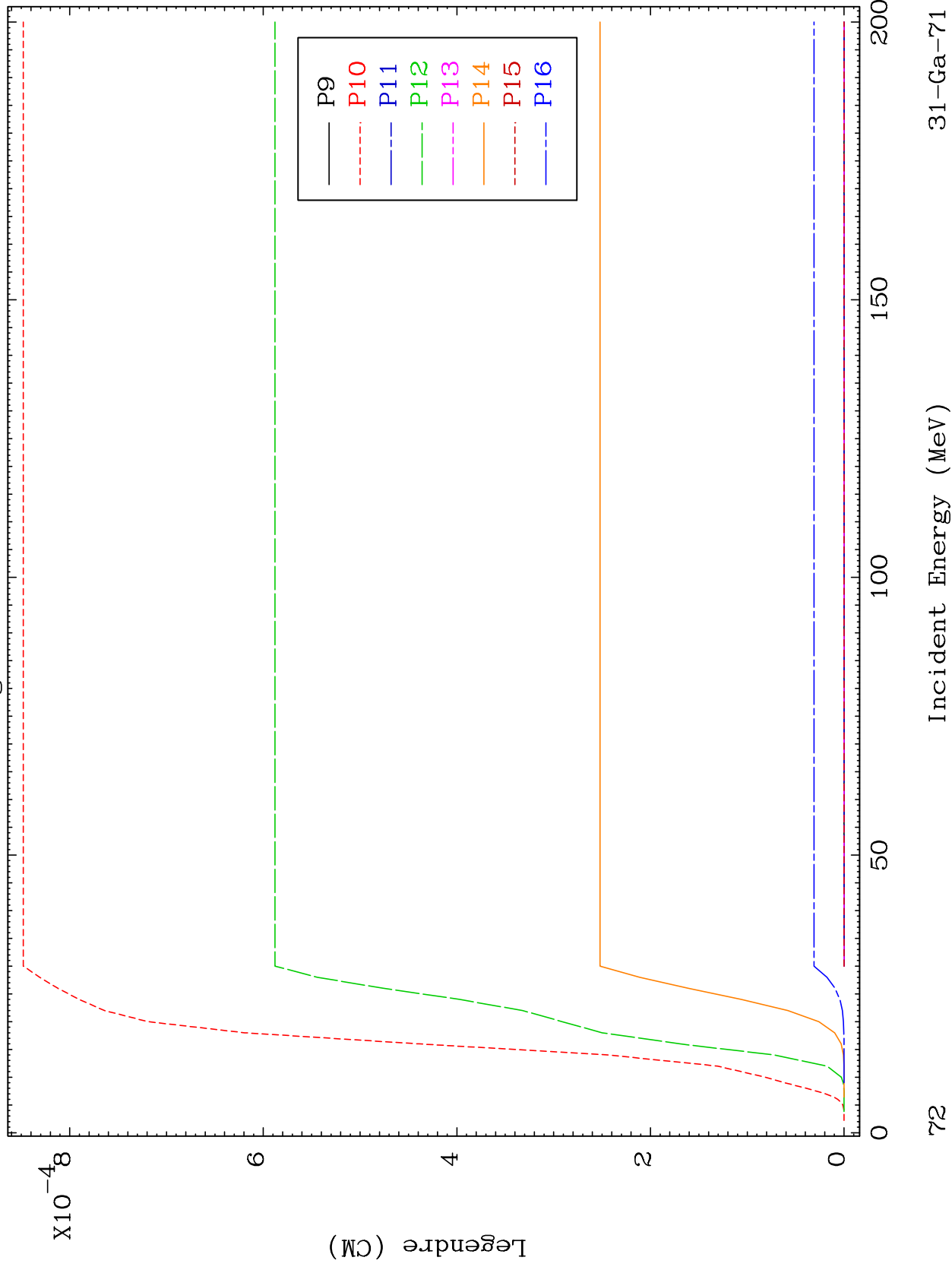
31-Ga-71

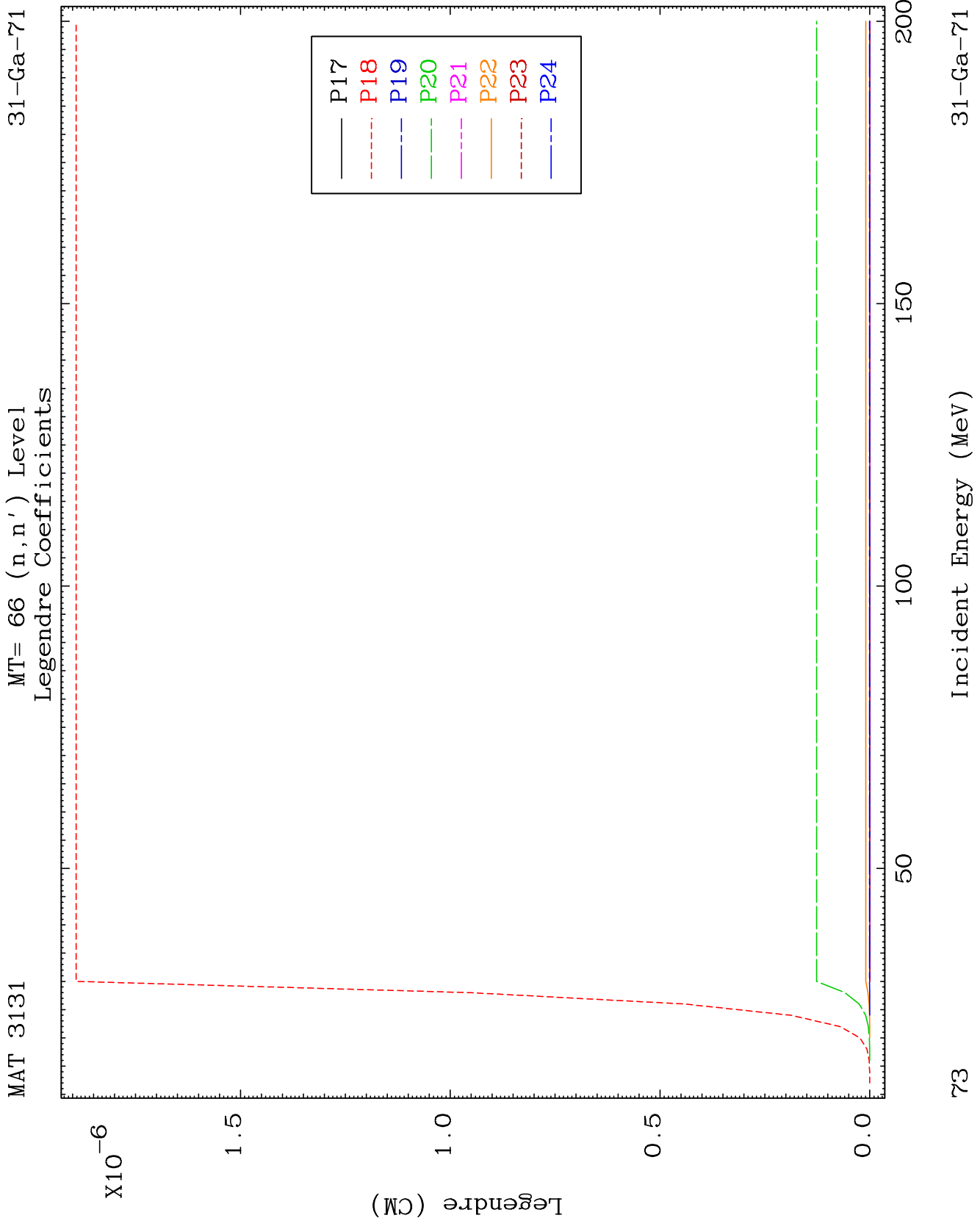


MAT 3131

31-Ga-71

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

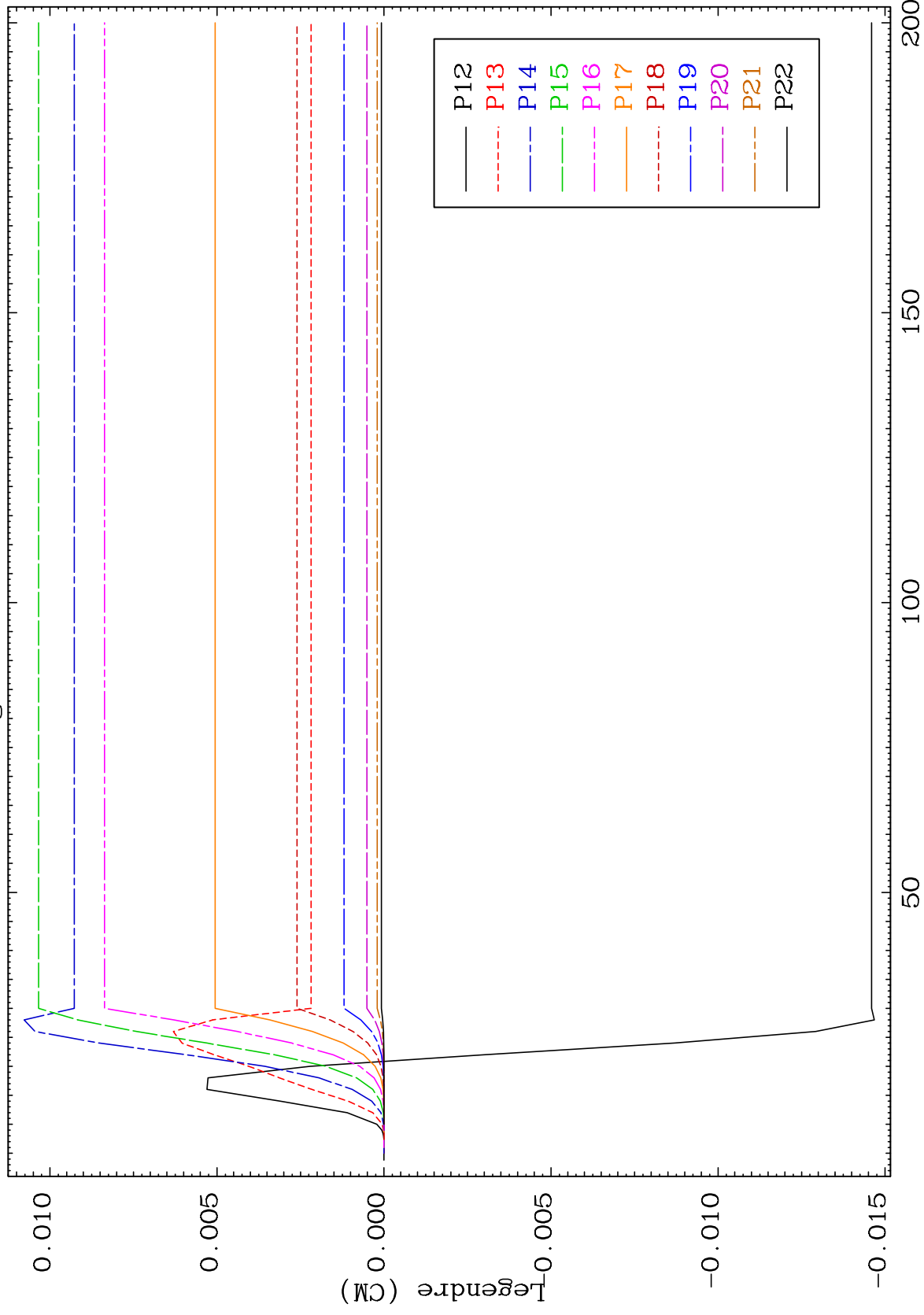




MAT 3131

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

31-Ga-71



75

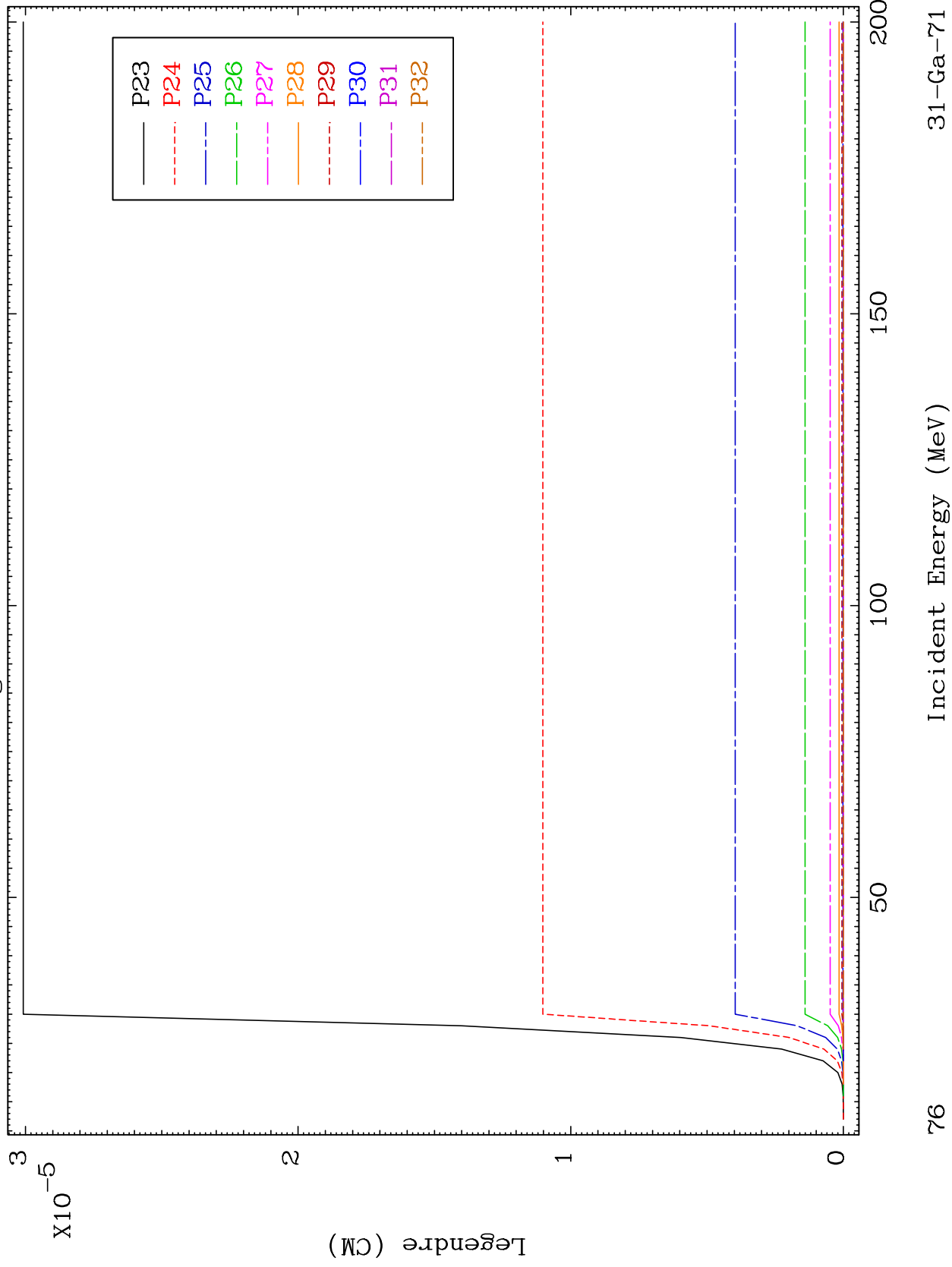
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

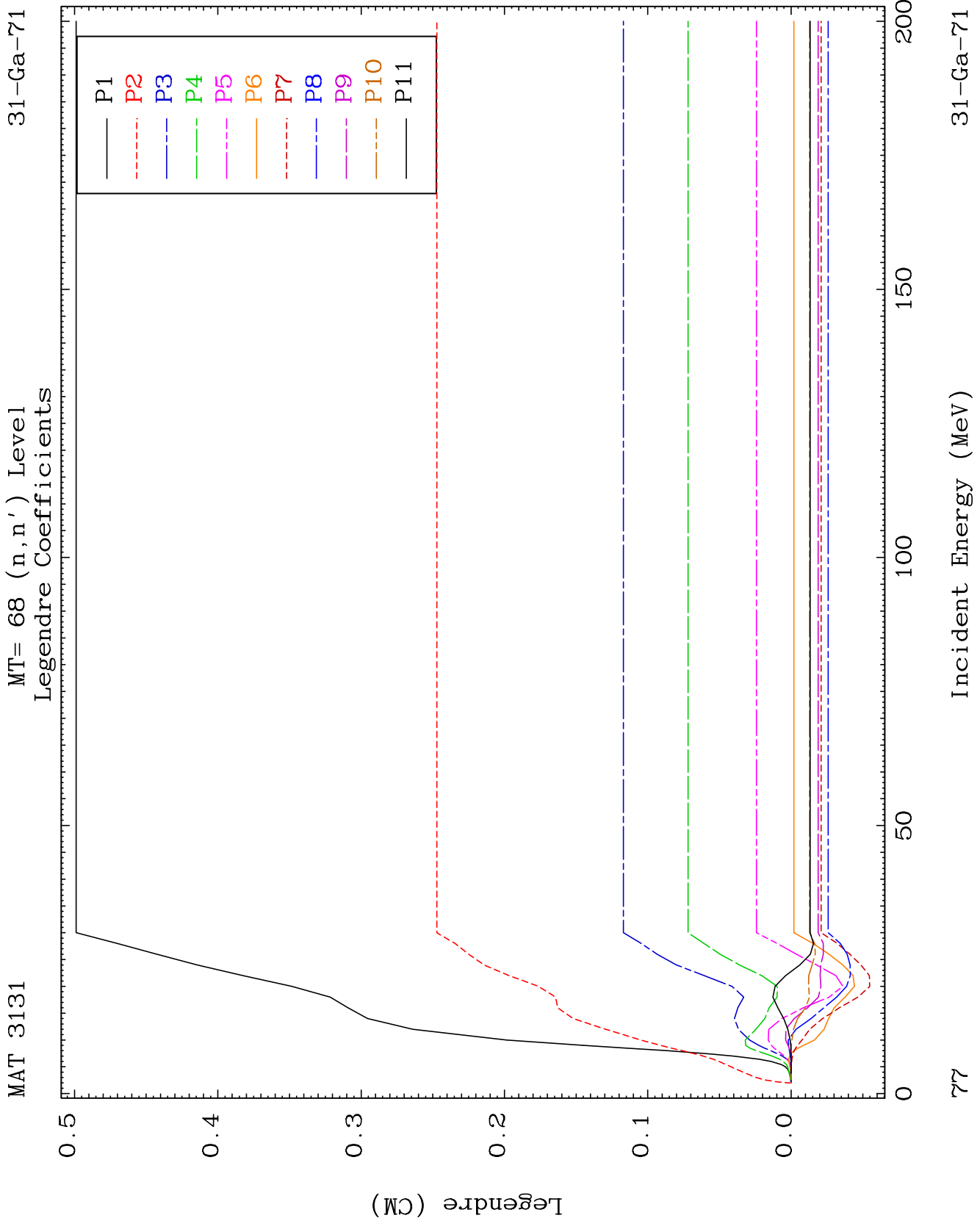
³¹Ga-71



76

Incident Energy (MeV)

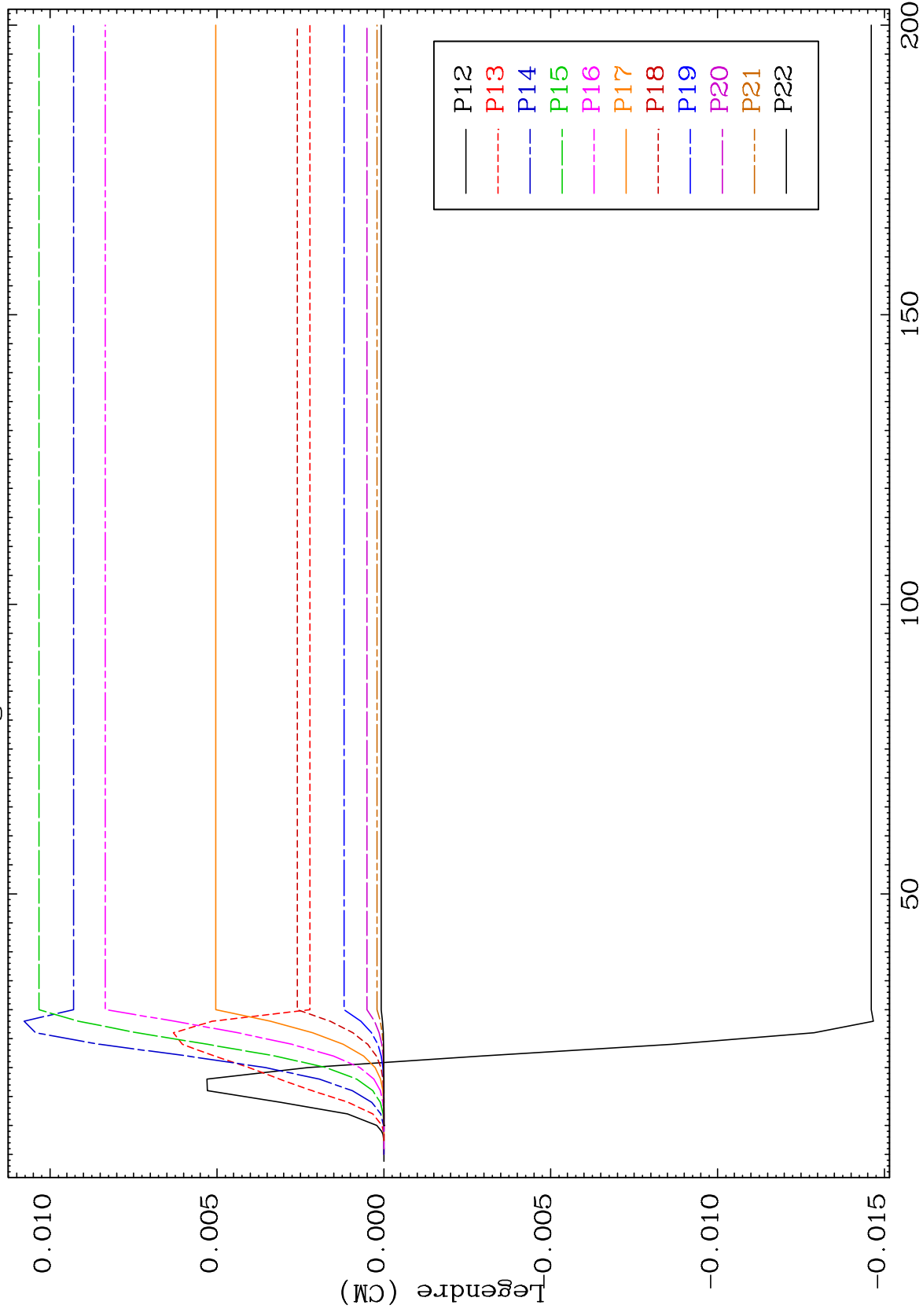
³¹Ga-71



MAT 3131

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

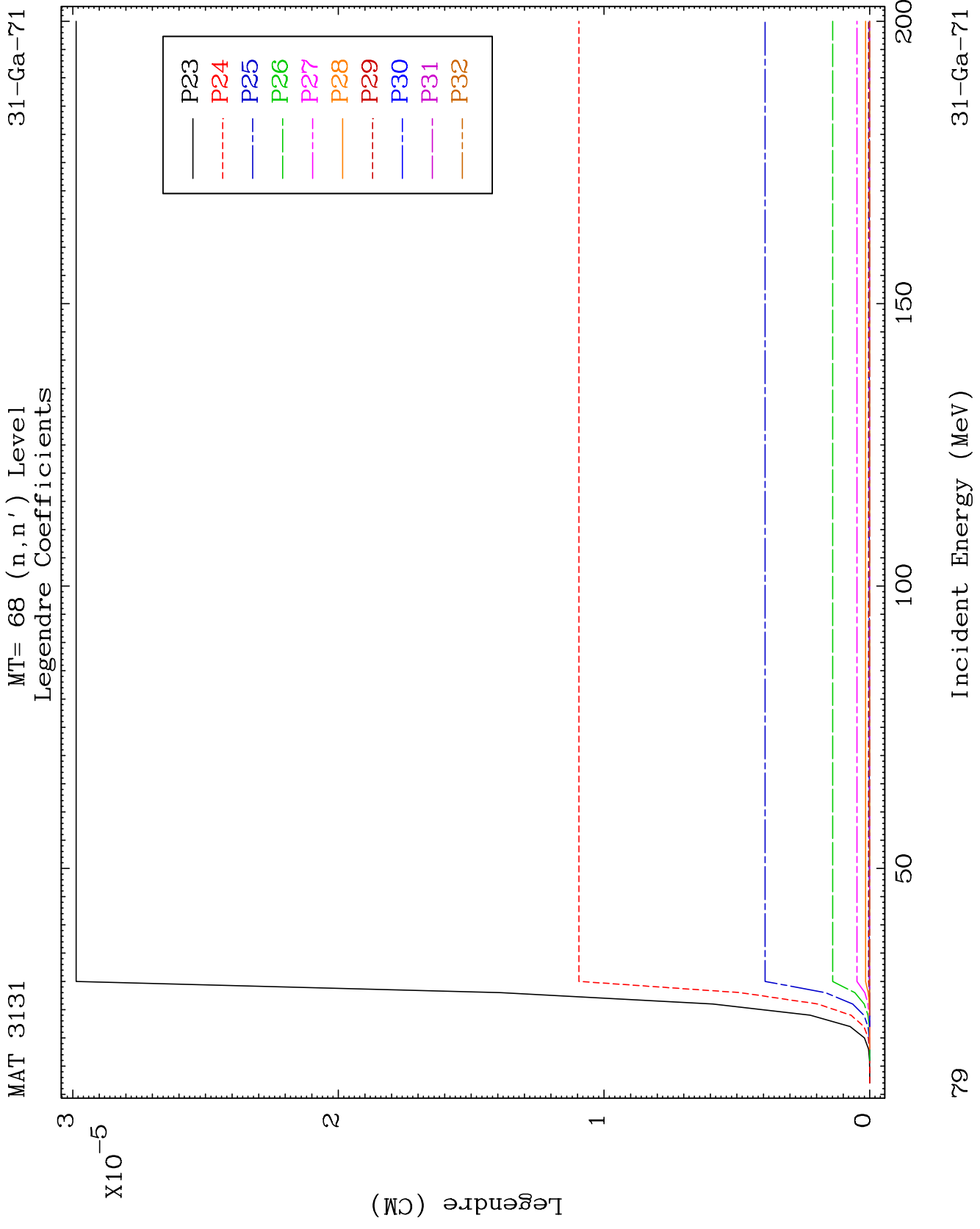
31-Ga-71

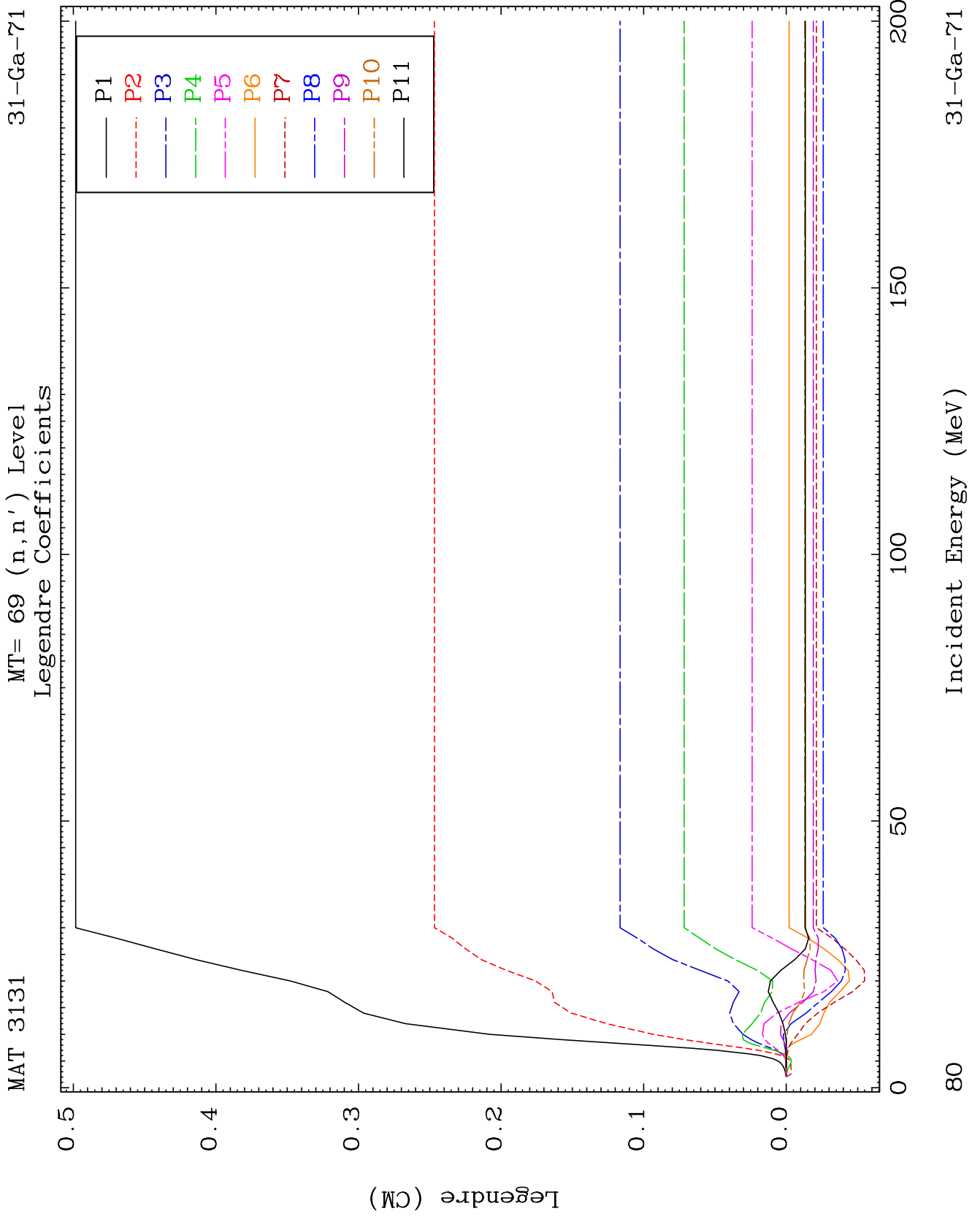


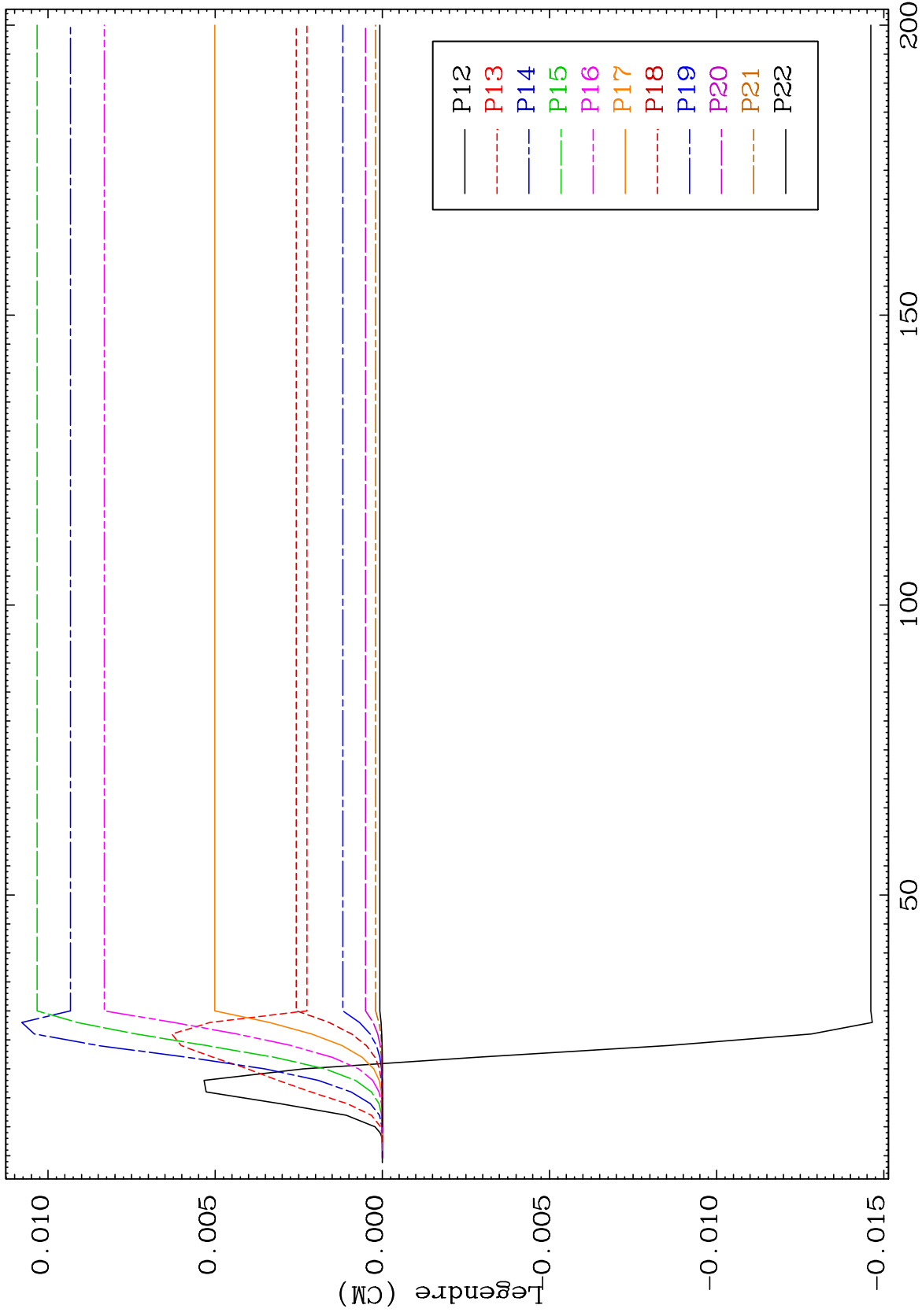
78

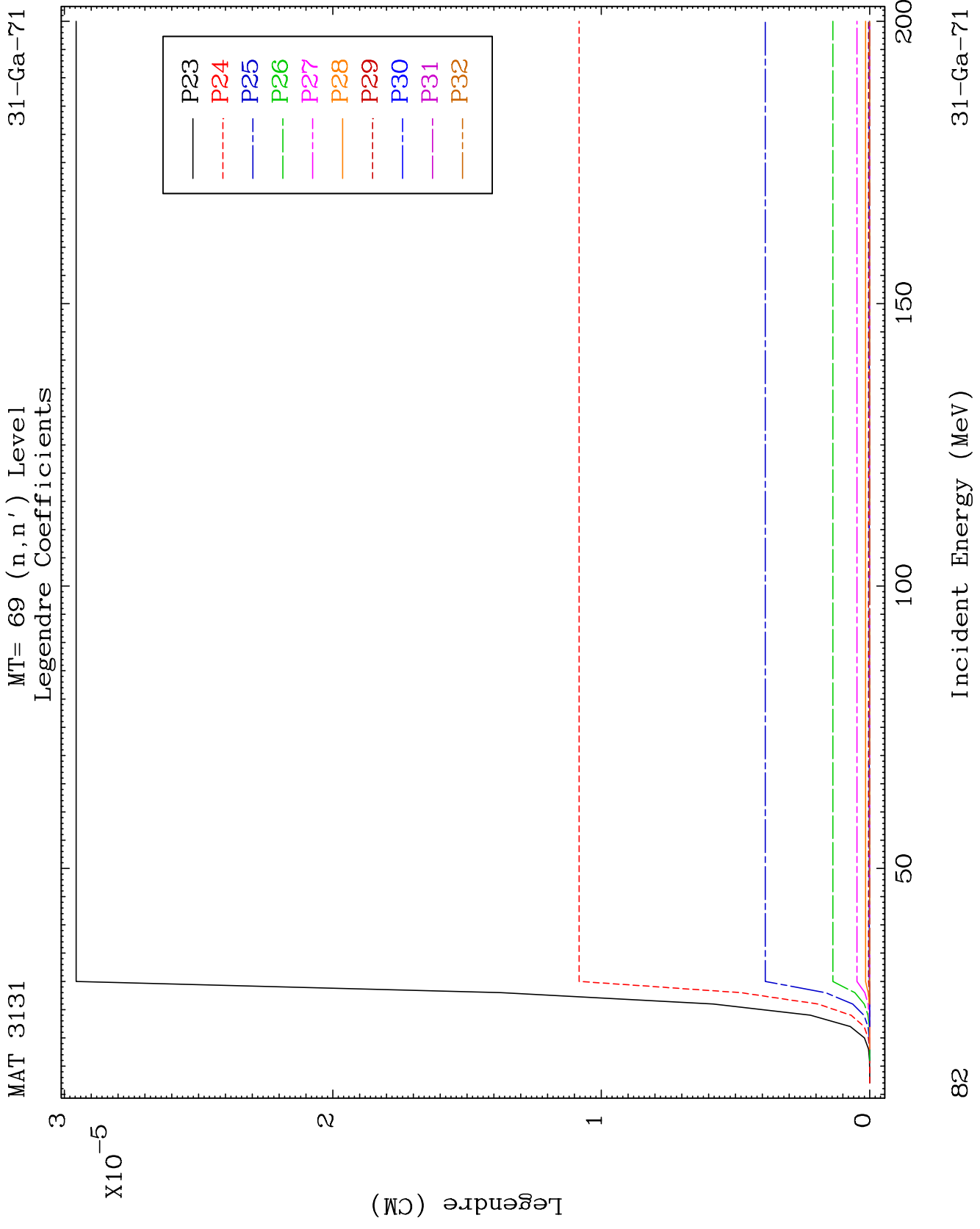
Incident Energy (MeV)

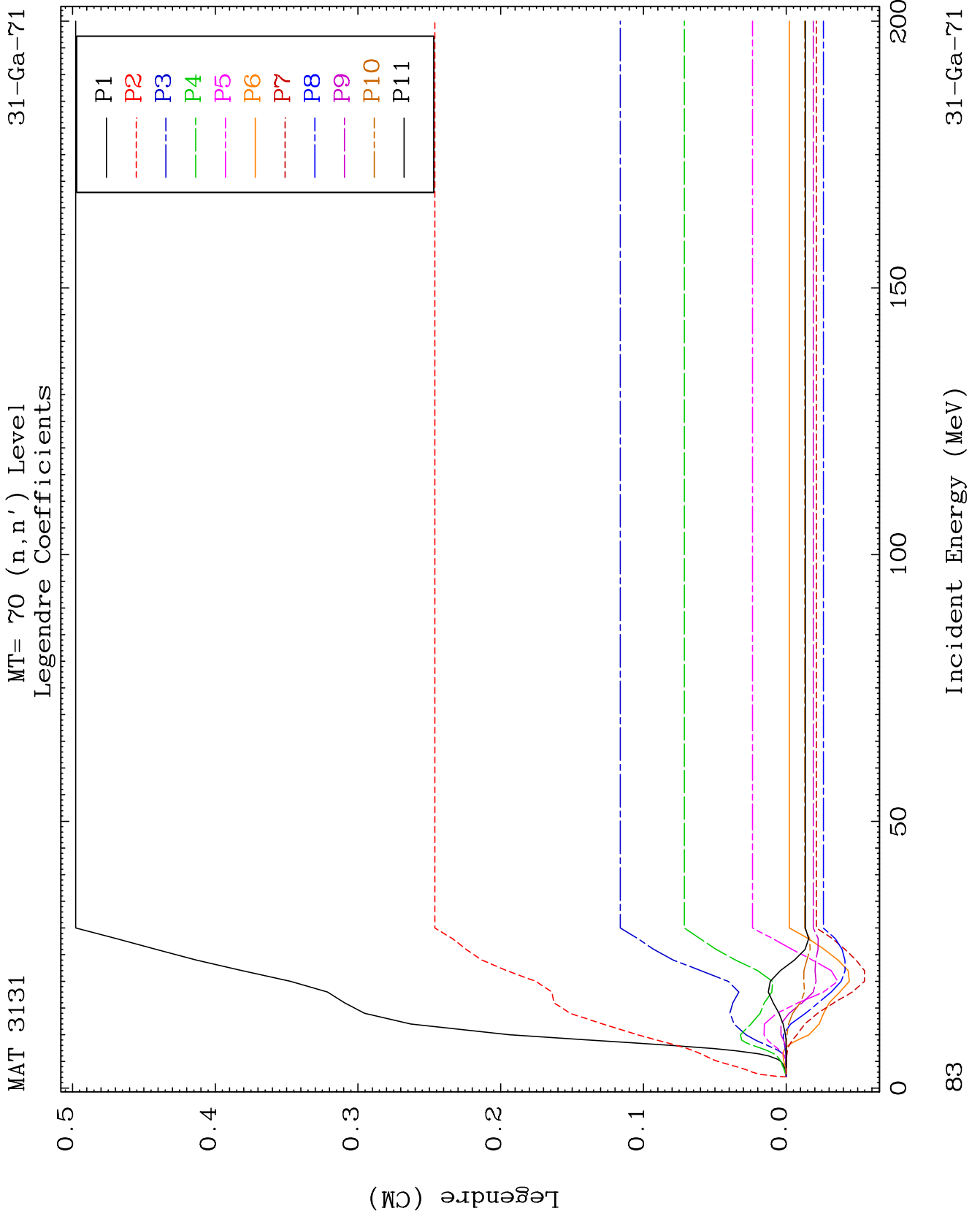
31-Ga-71

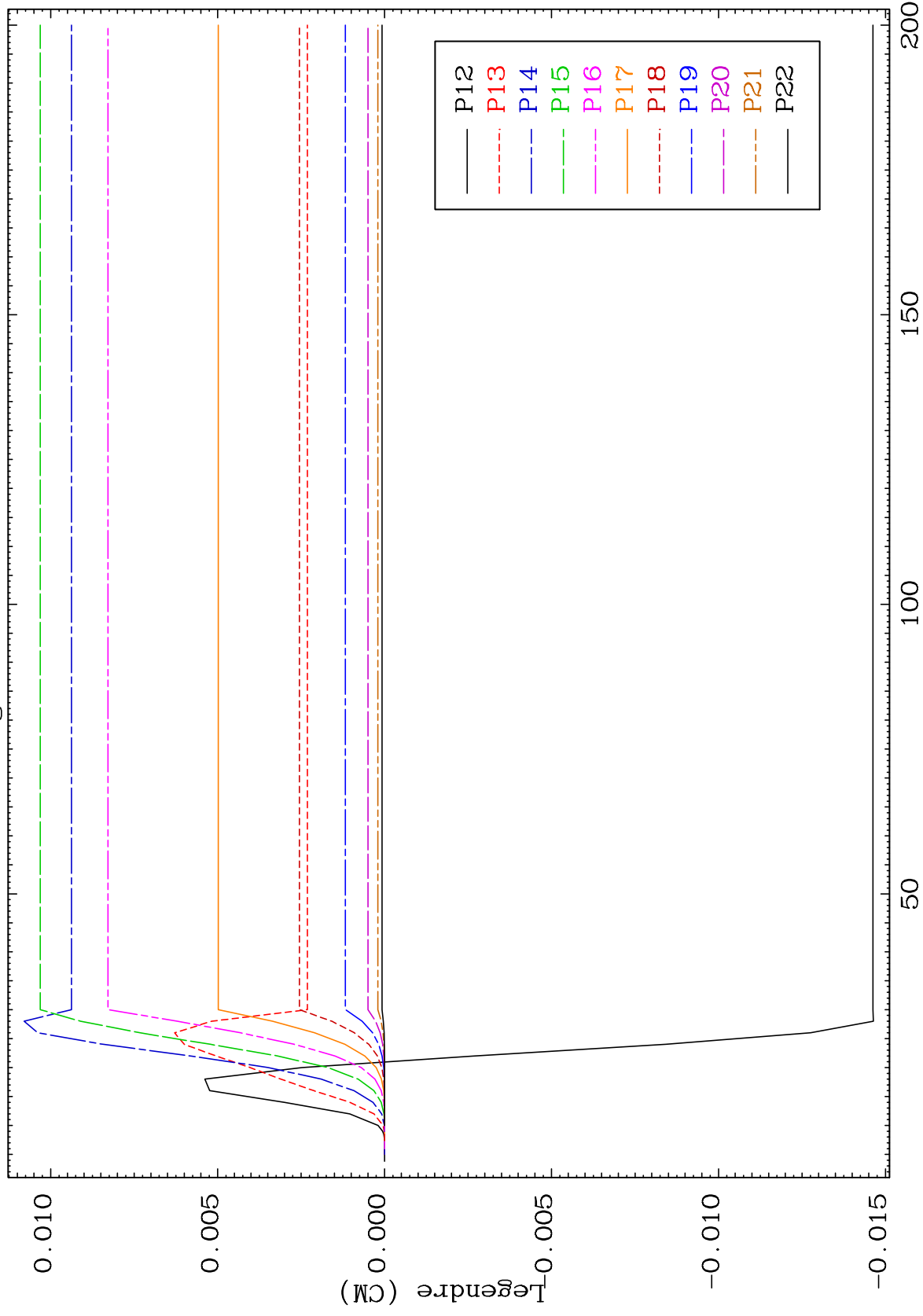


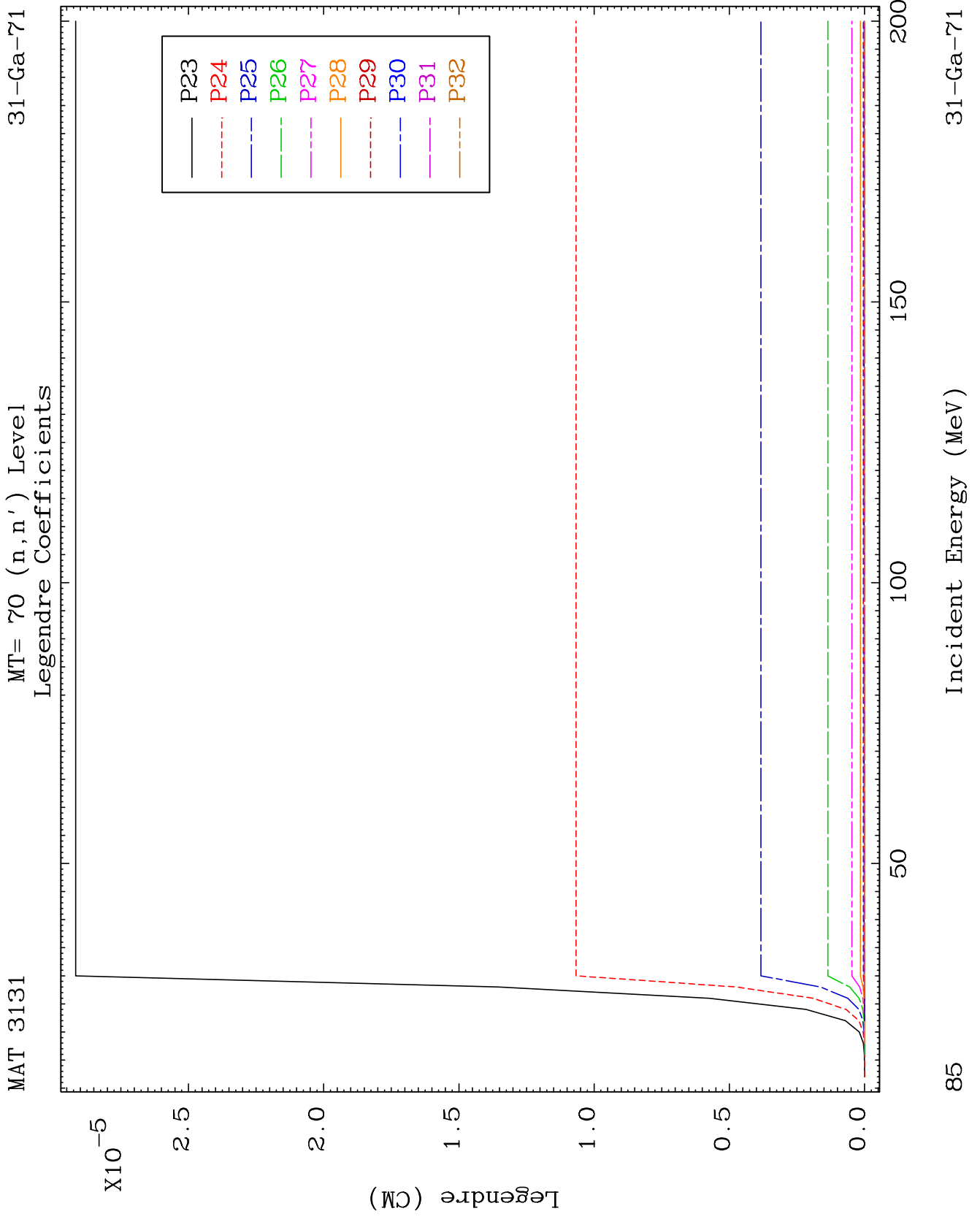








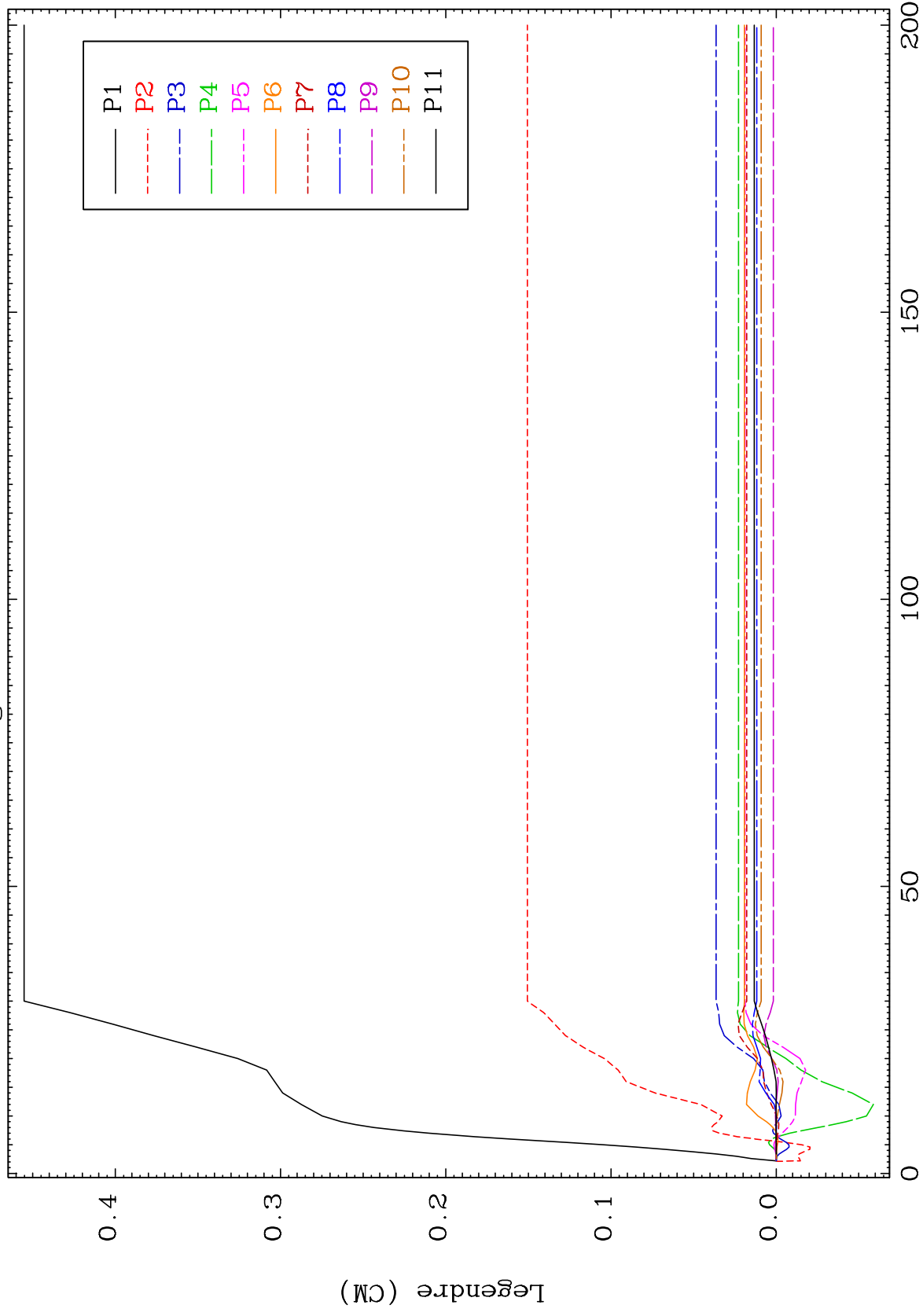




MAT 3131

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

31-Ga-71



86

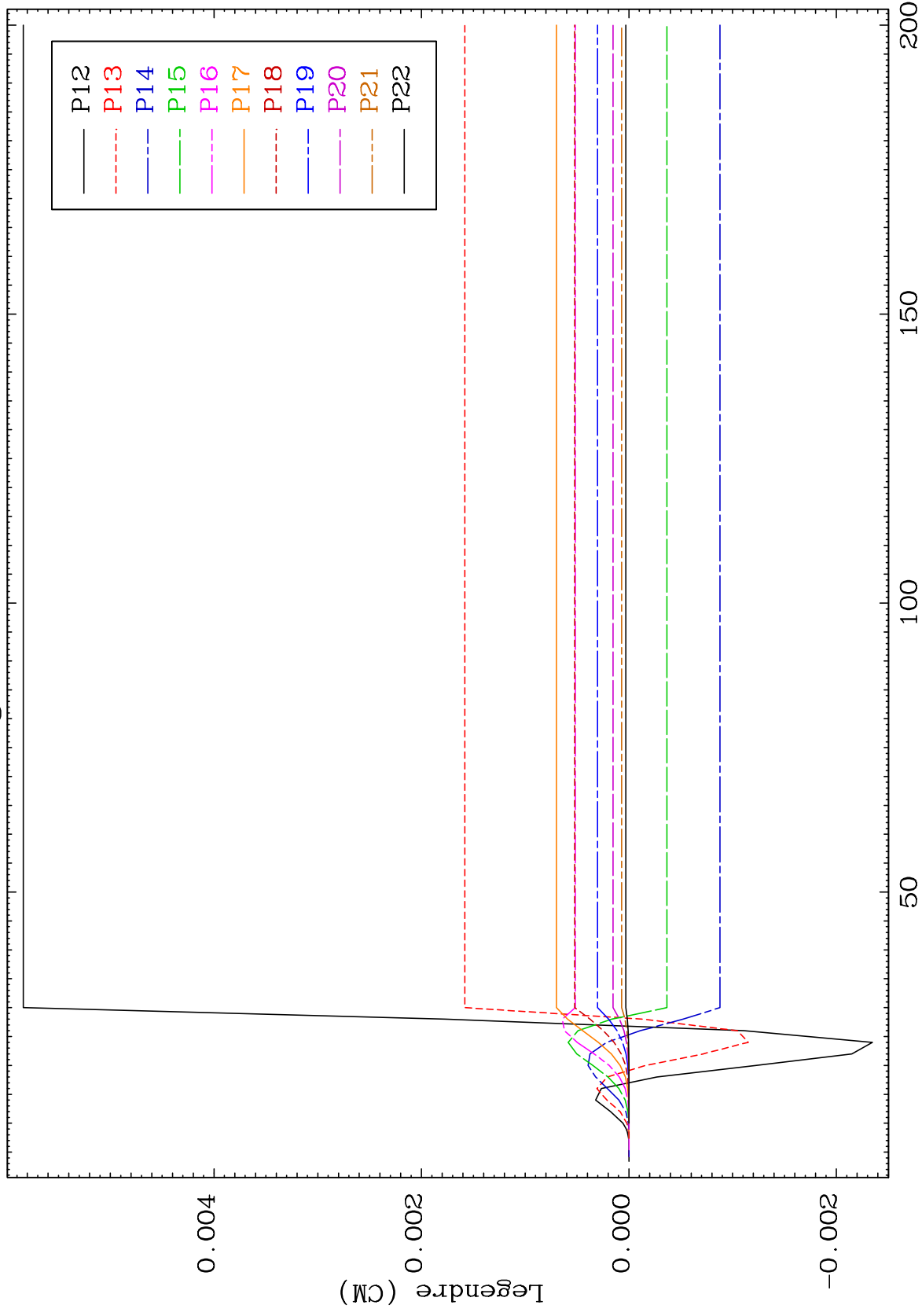
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

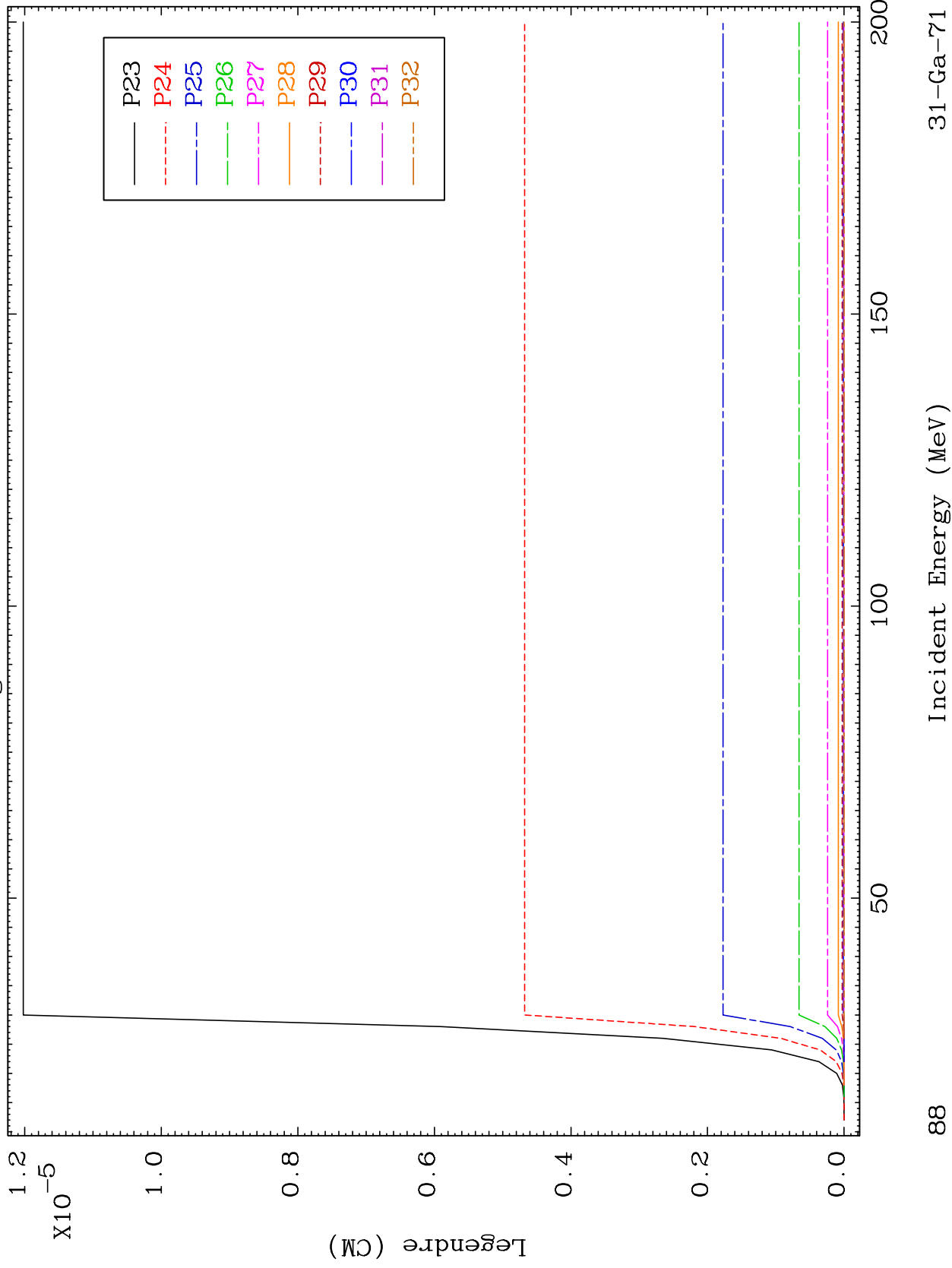
31-Ga-71



87

Incident Energy (MeV)

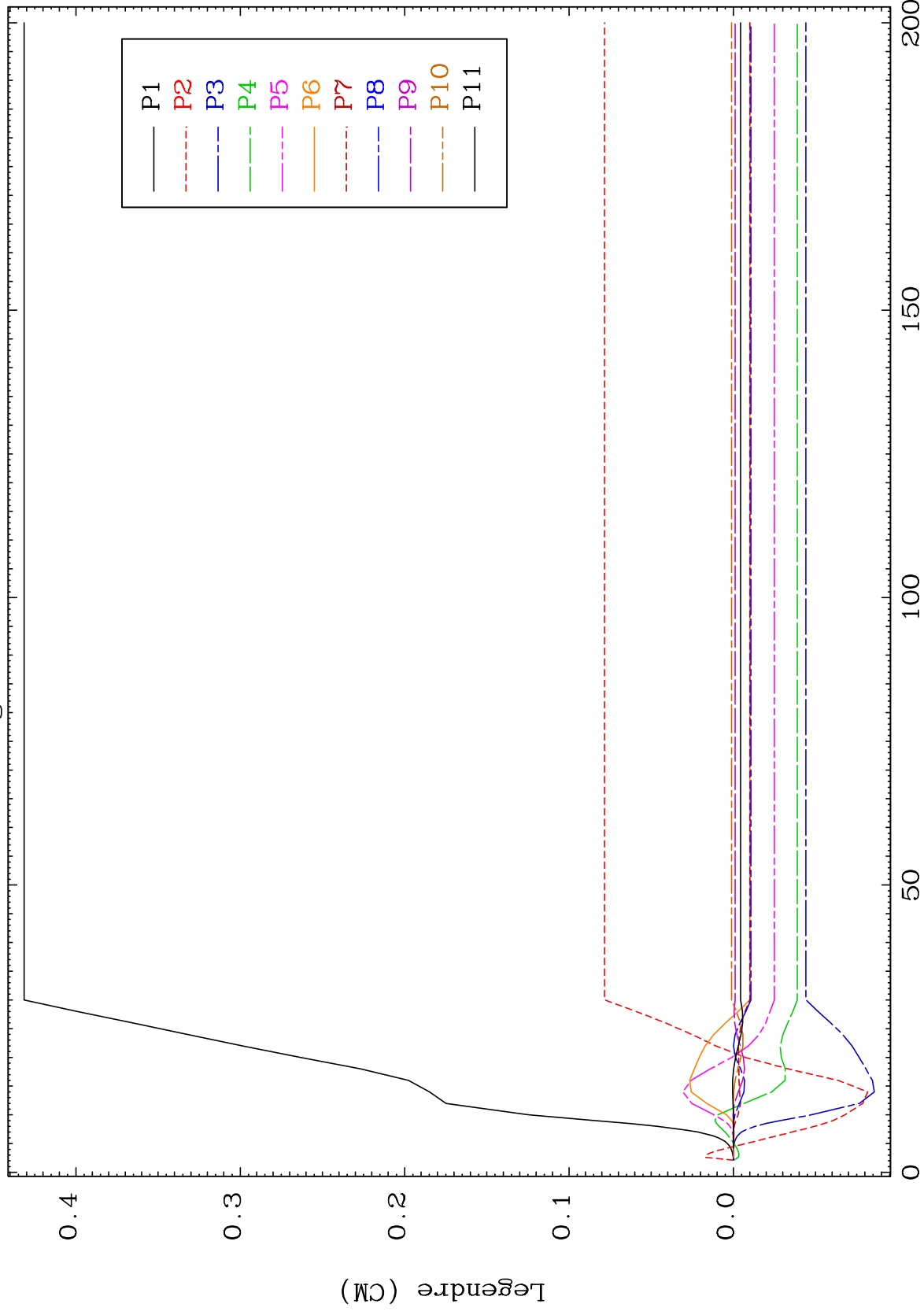
31-Ga-71



MAT 3131

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

31-Ga-71



89

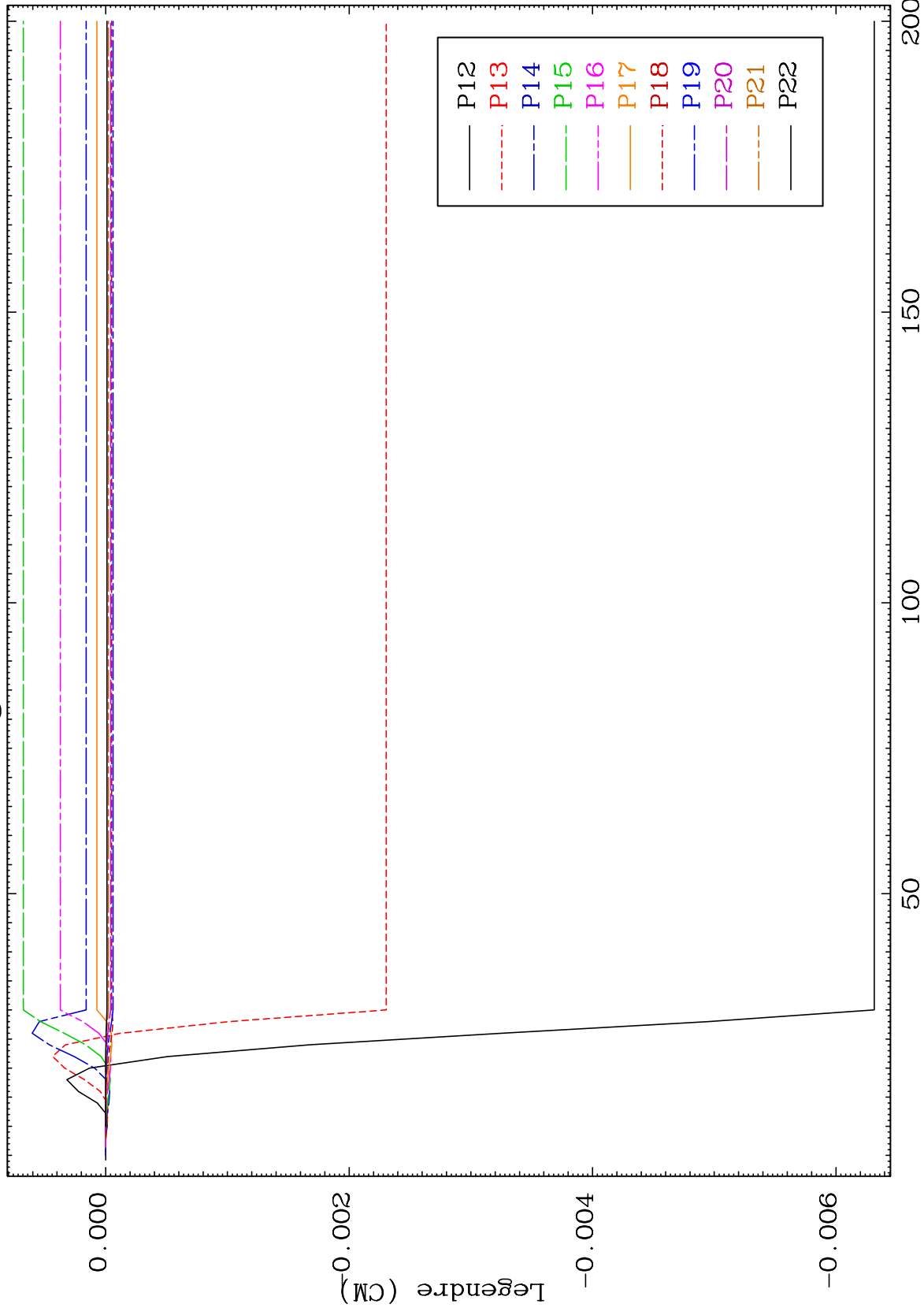
Incident Energy (MeV)

31-Ga-71

MAT 3131

31-Ga-71

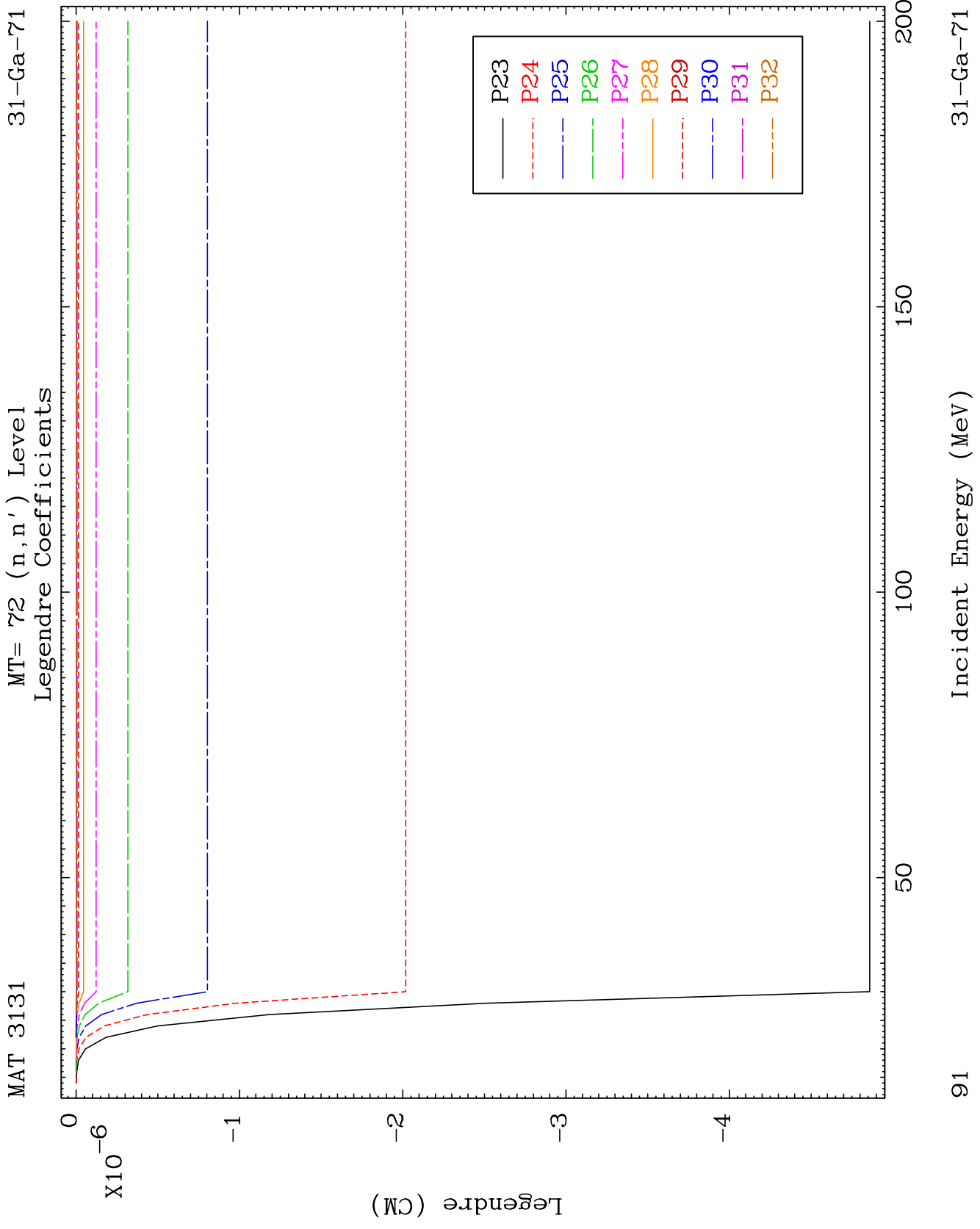
MT= 72 (n,n') Level
Legendre Coefficients



90

Incident Energy (MeV)

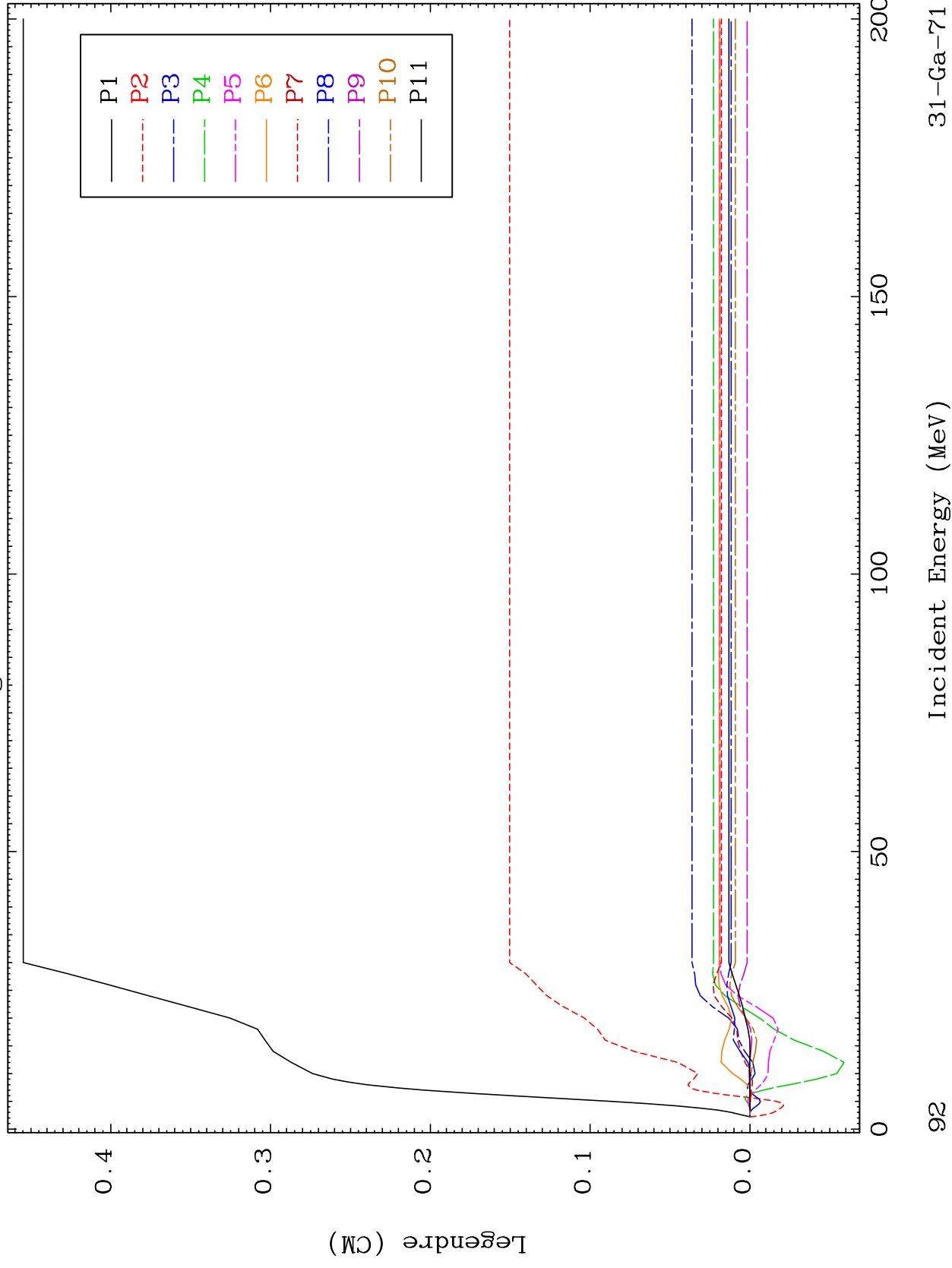
31-Ga-71



MAT 3131

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

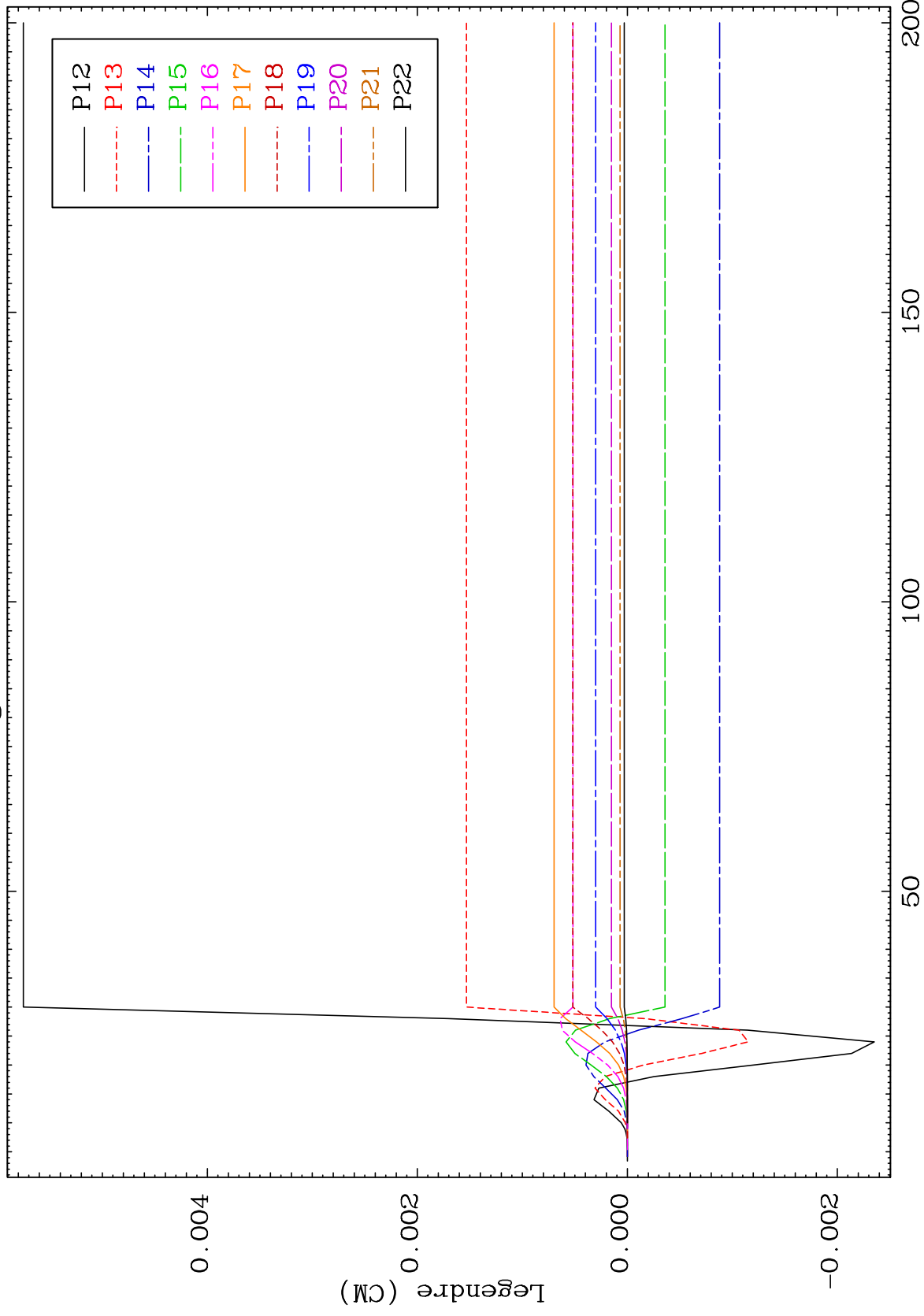
31-Ga-71



MAT 3131

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

31-Ga-71



93

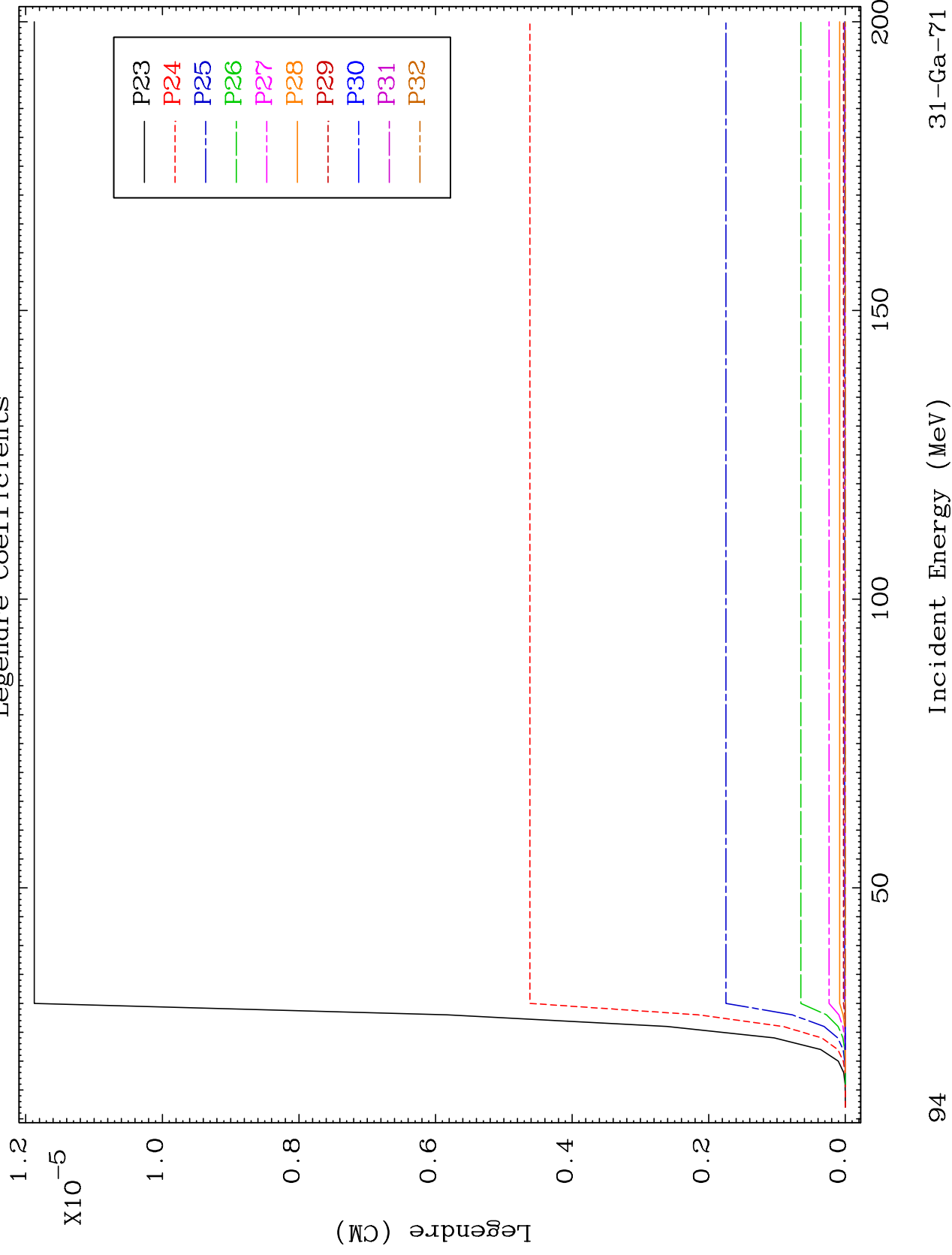
Incident Energy (MeV)

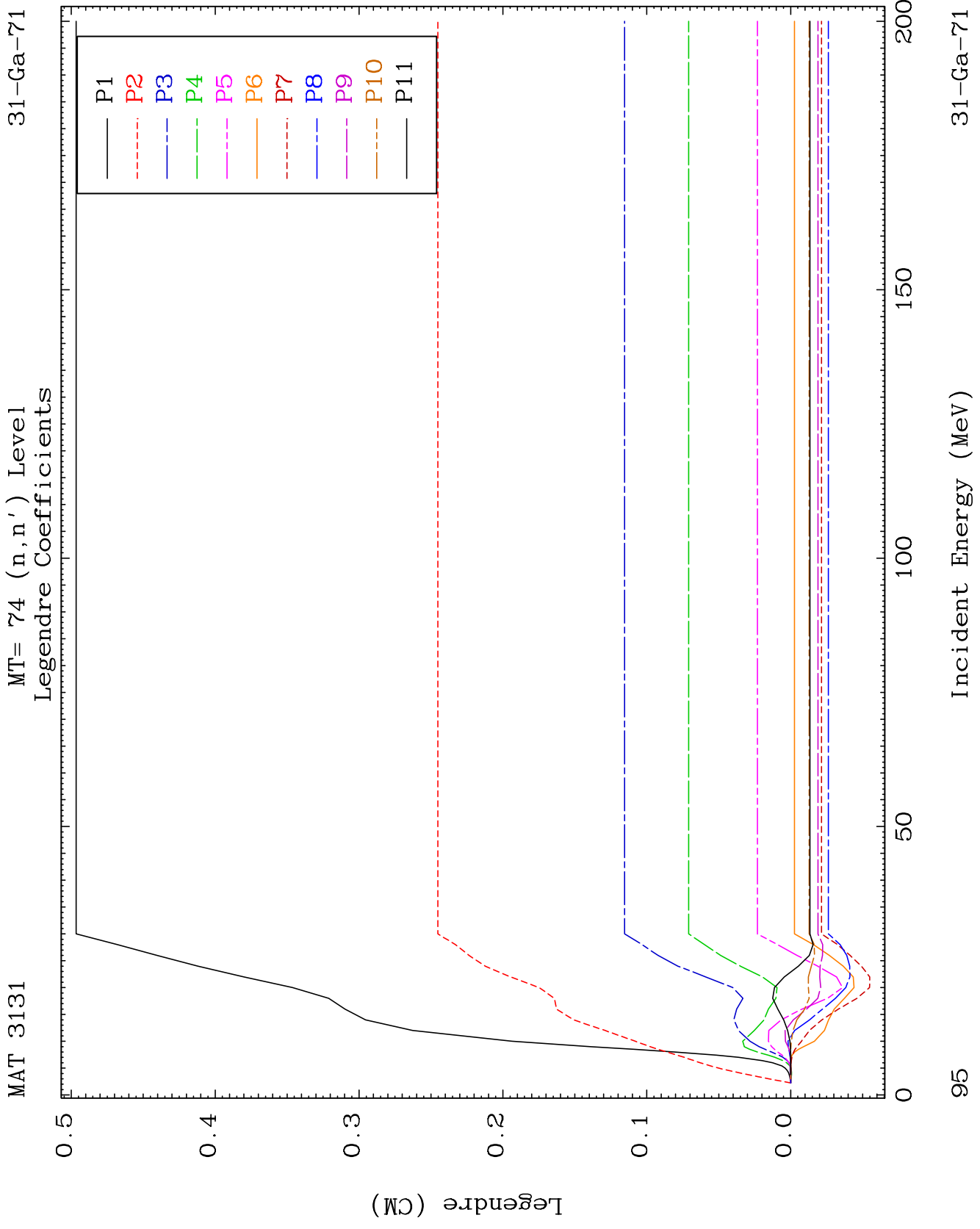
31-Ga-71

MAT 3131

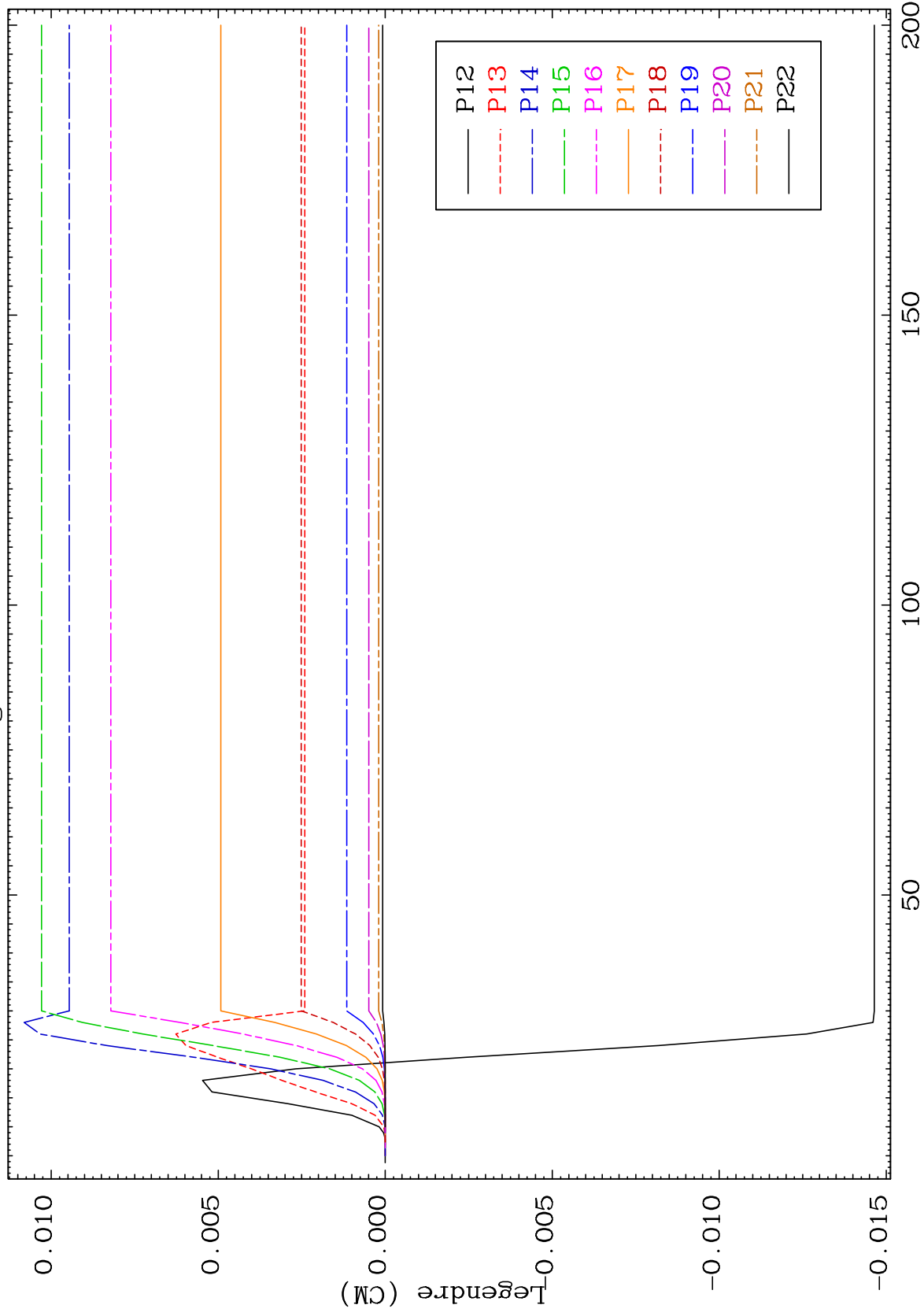
MT= 73 (n,n') Level
Legendre Coefficients

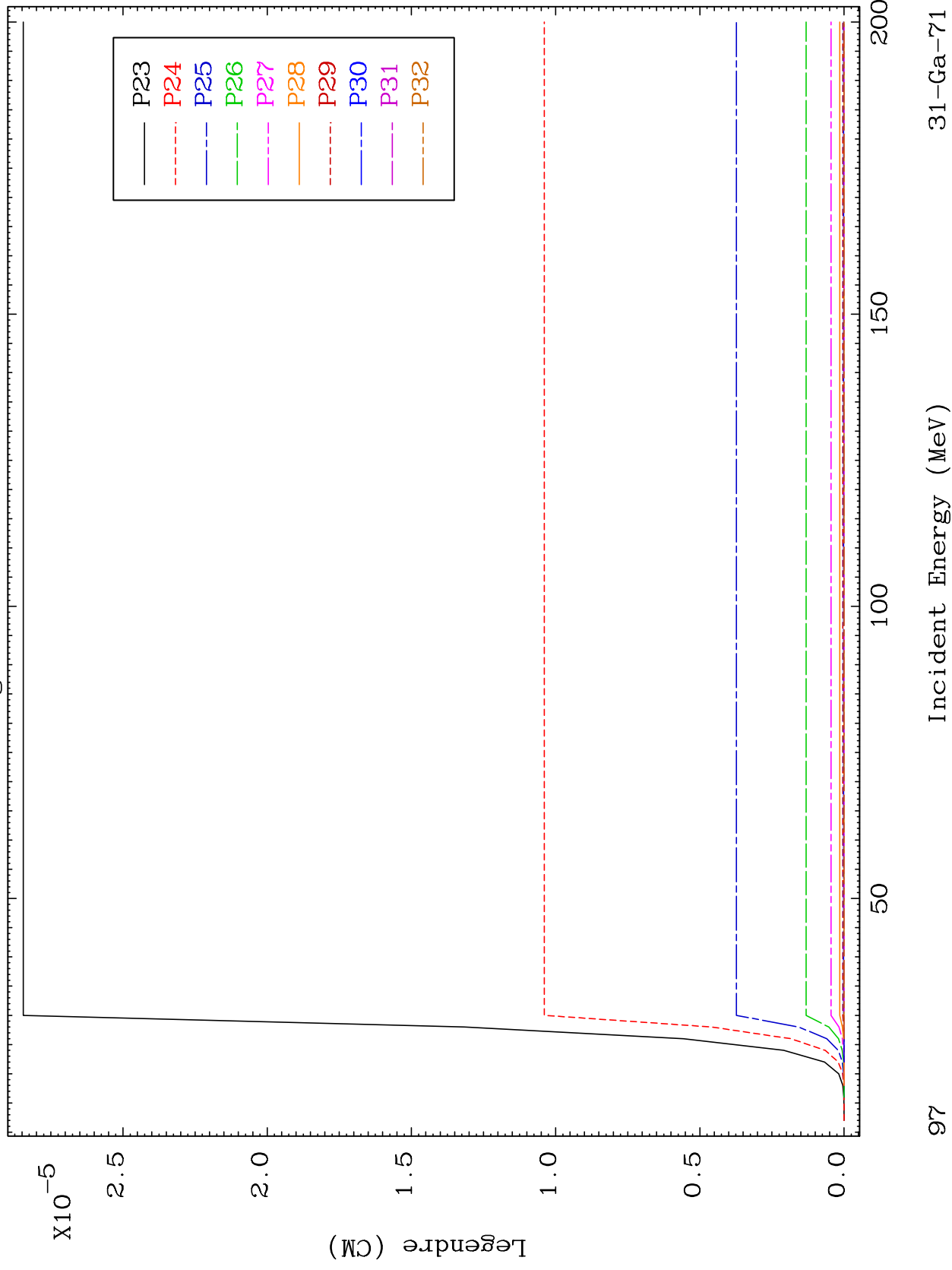
31-Ga-71





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

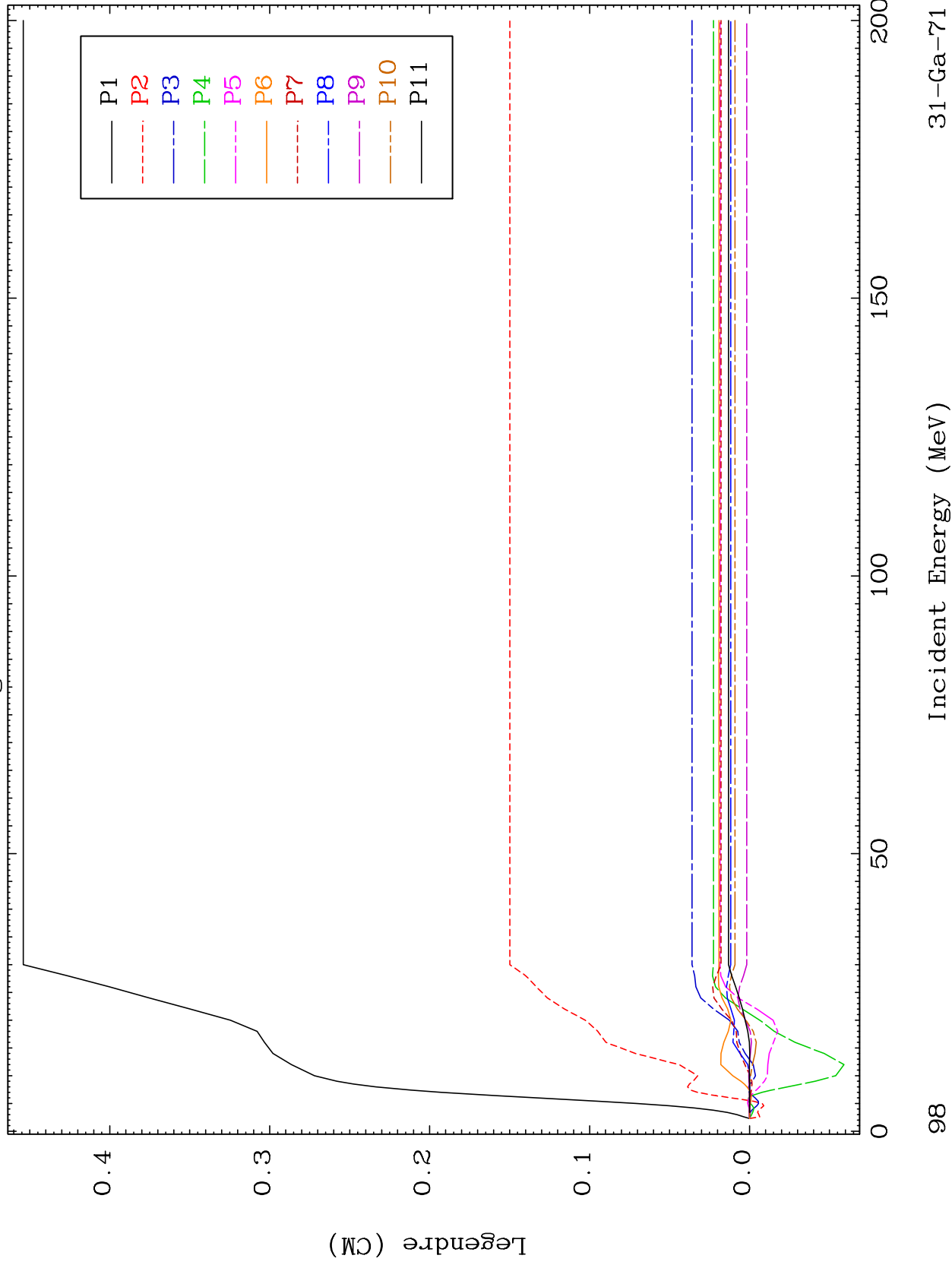




MAT 3131

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

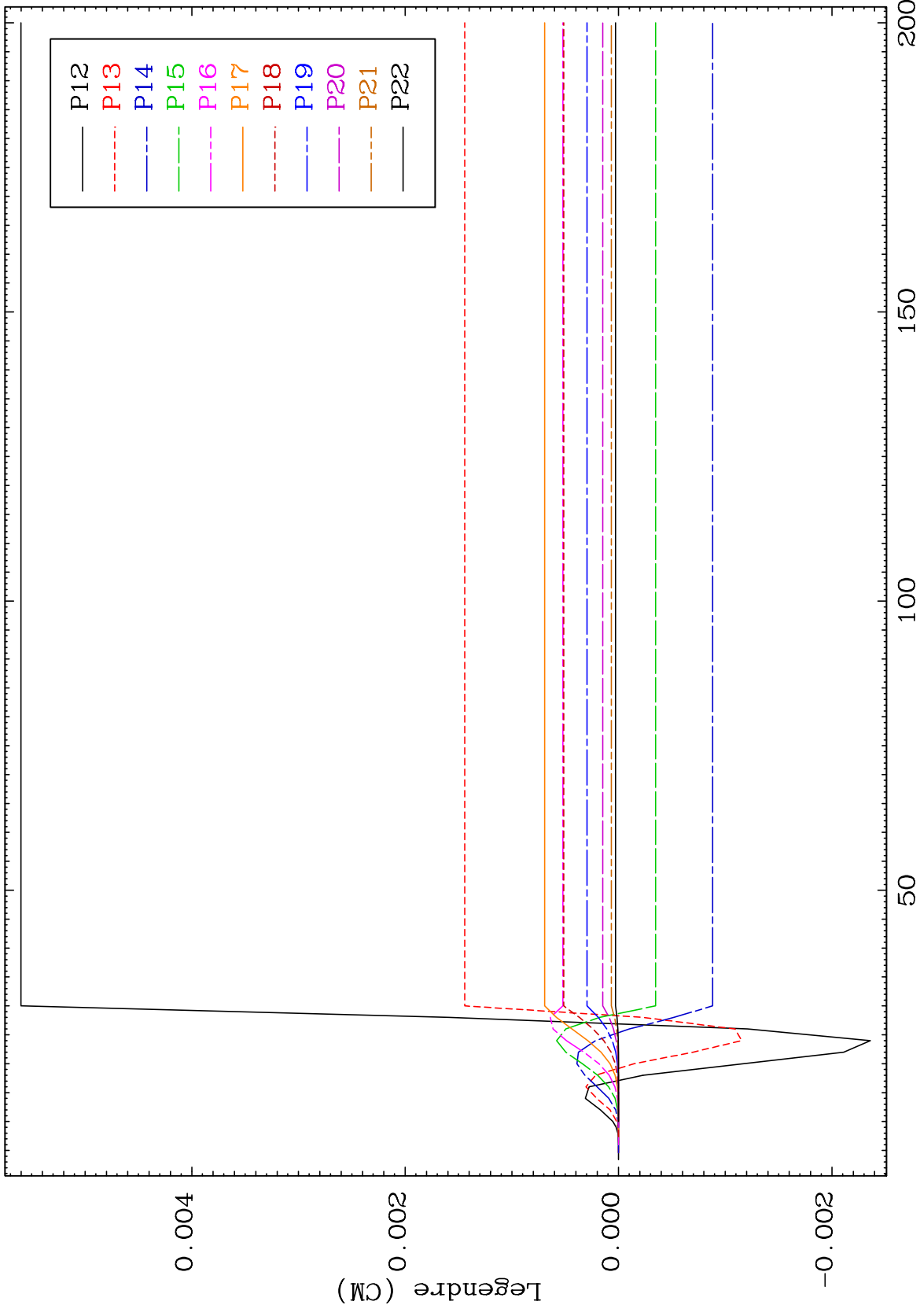
31-Ga-71



MAT 3131

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

31-Ga-71



99

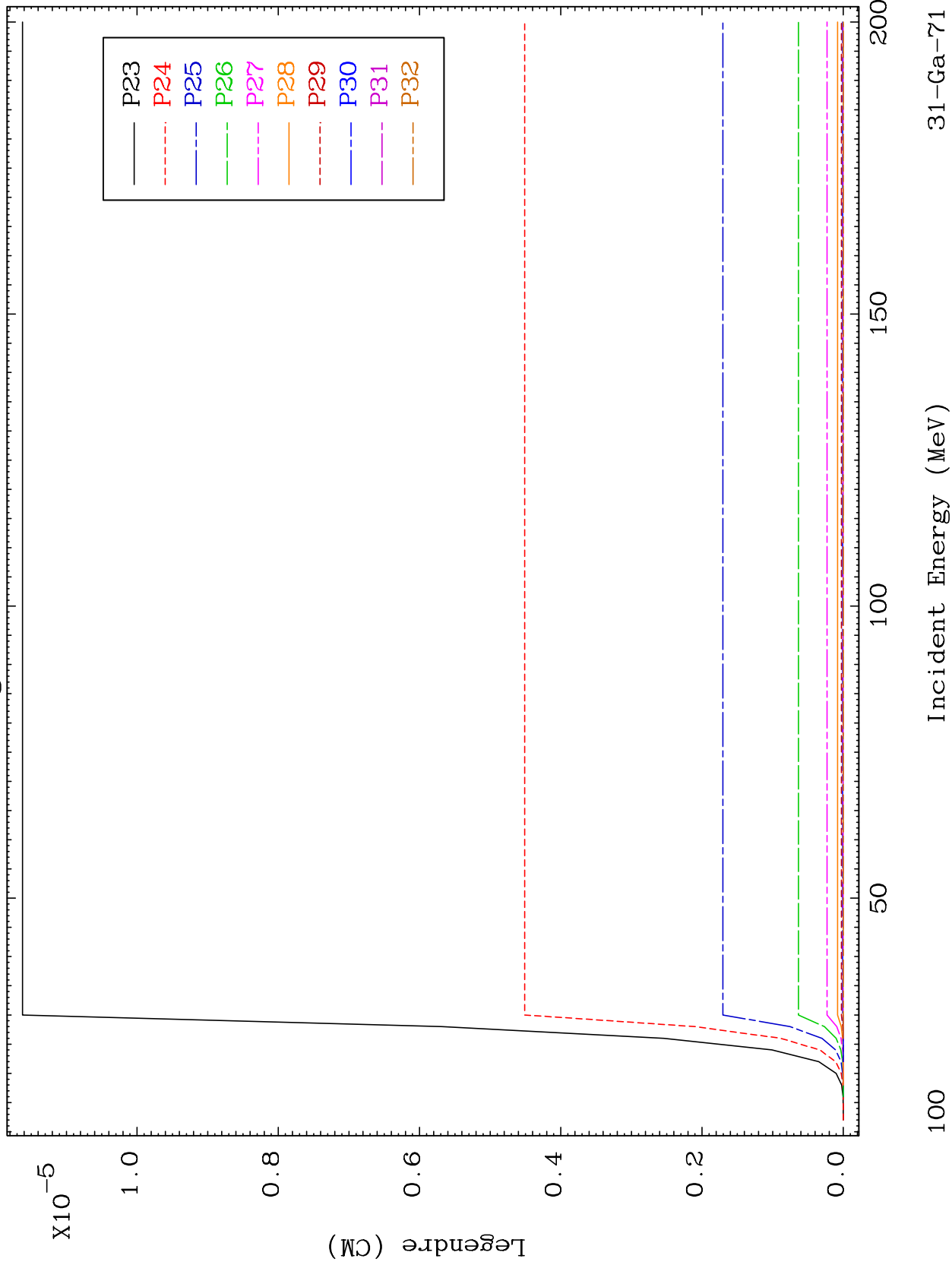
Incident Energy (MeV)

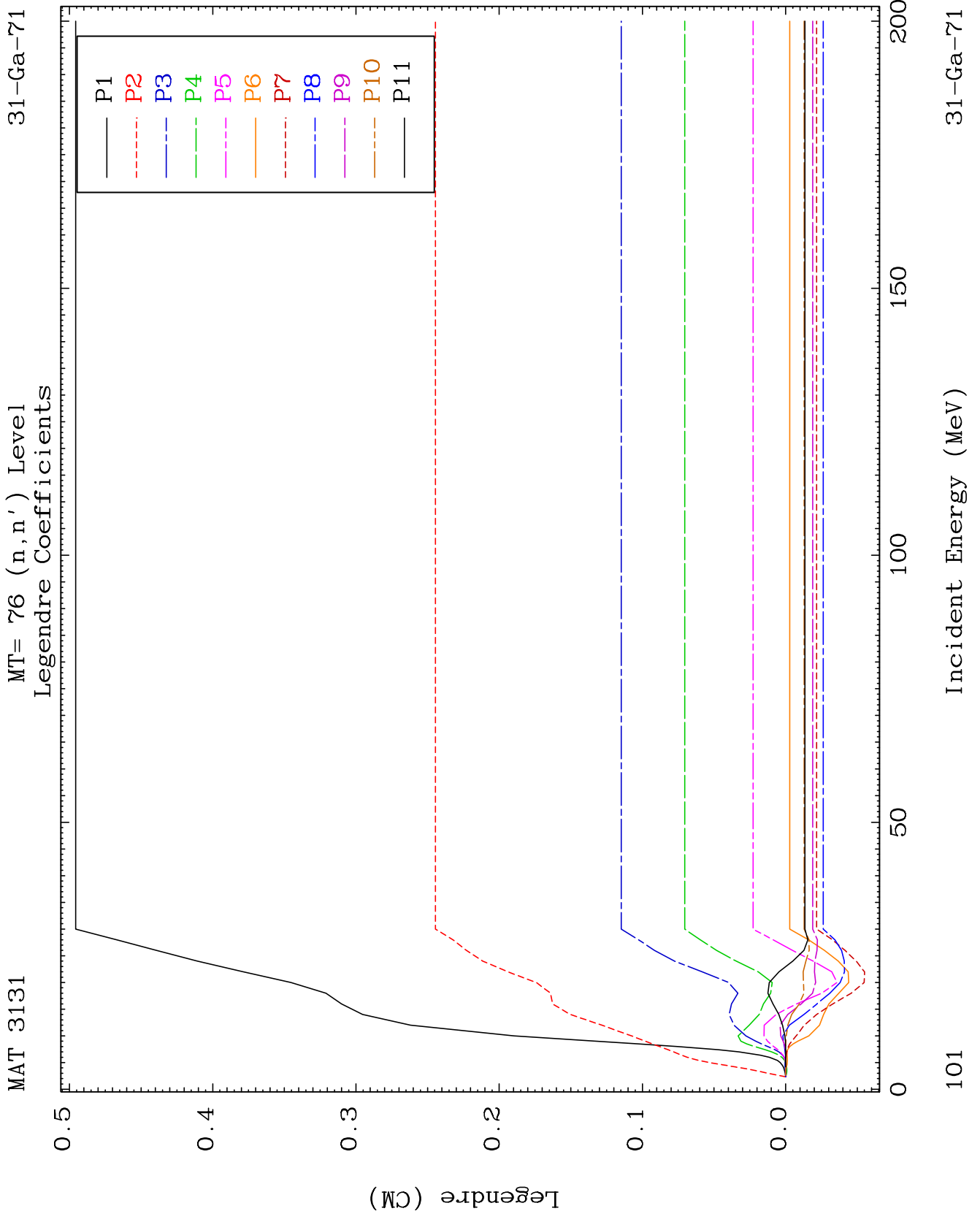
31-Ga-71

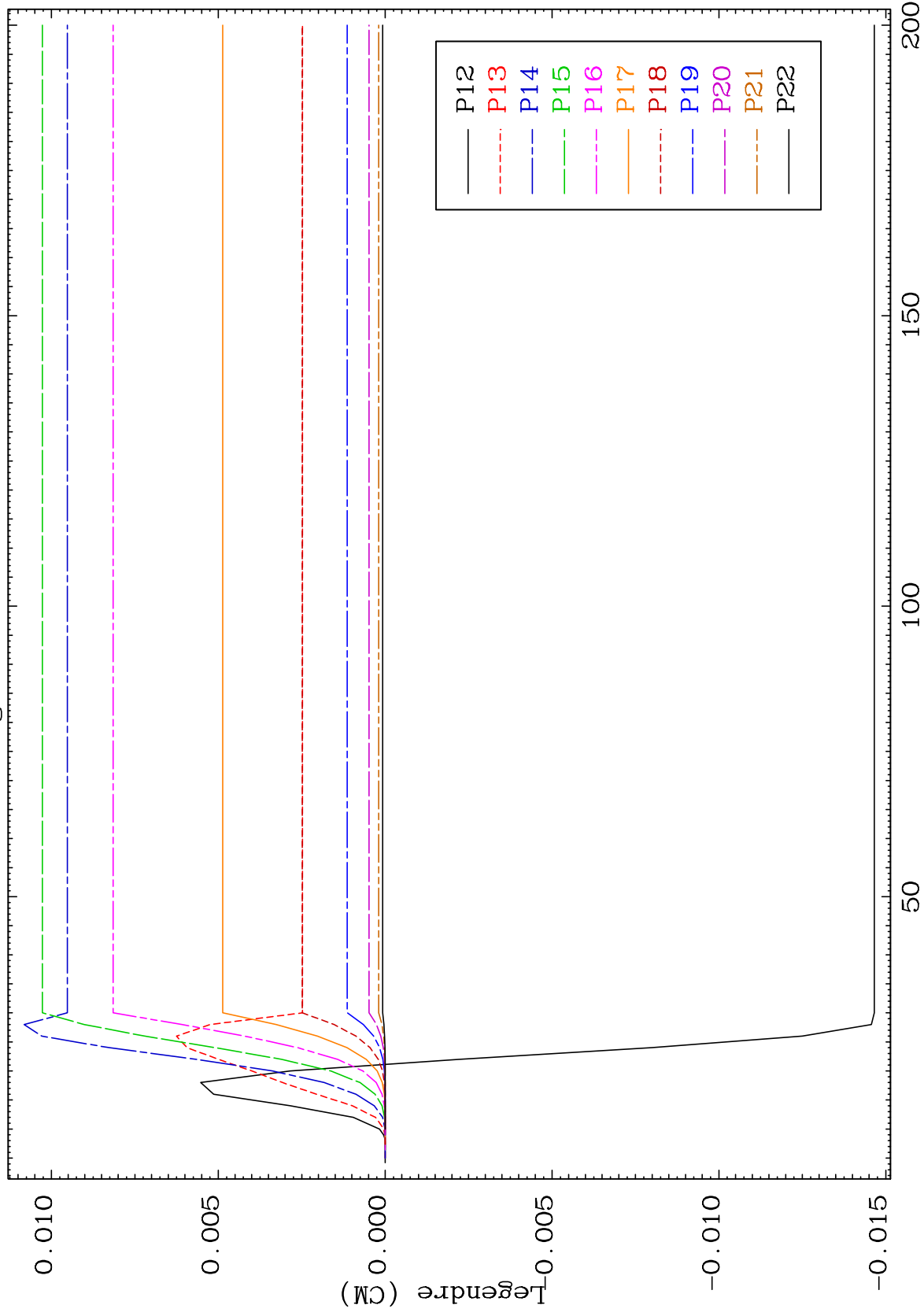
MAT 3131

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

31-Ga-71



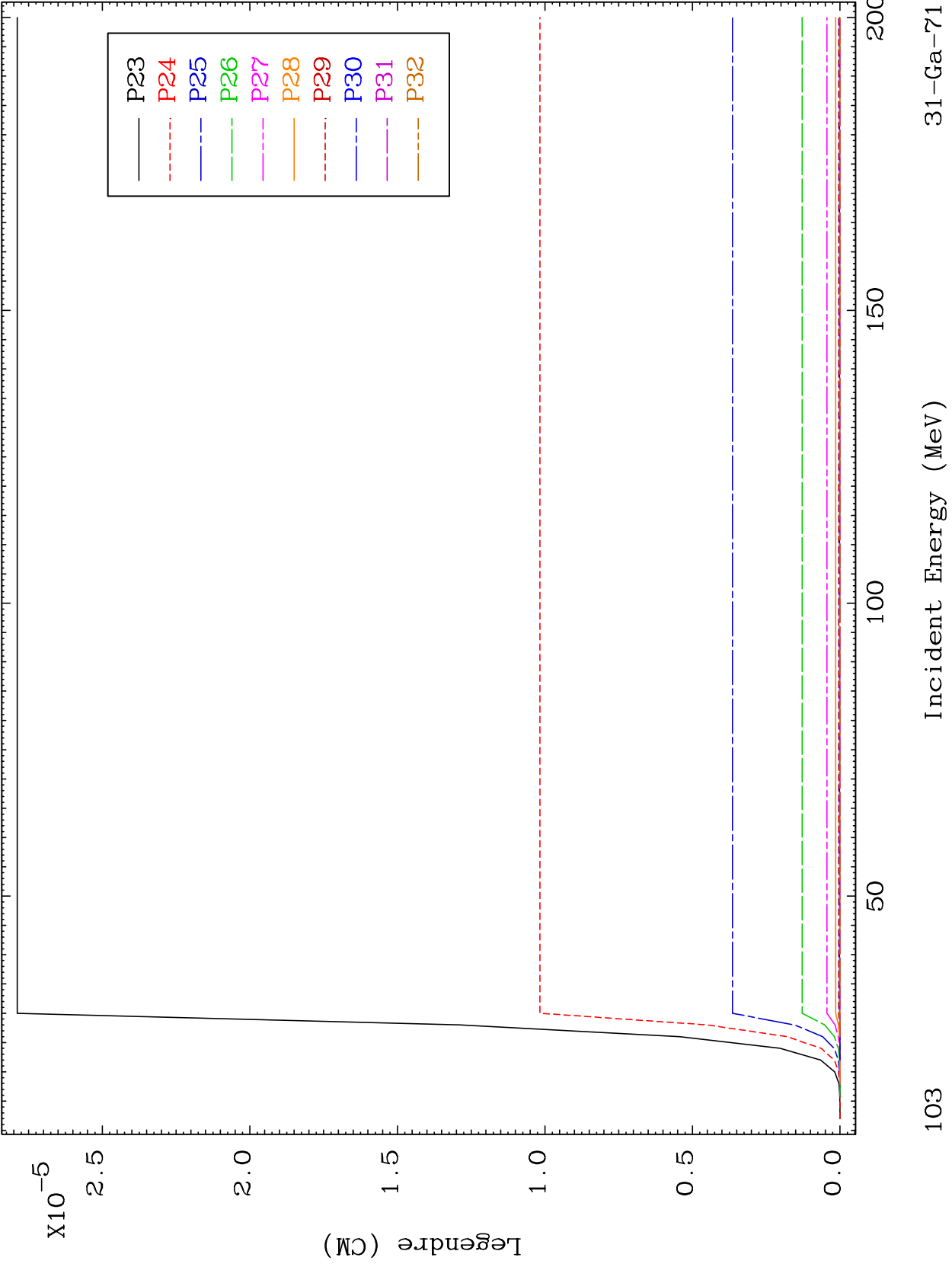




MAT 3131

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

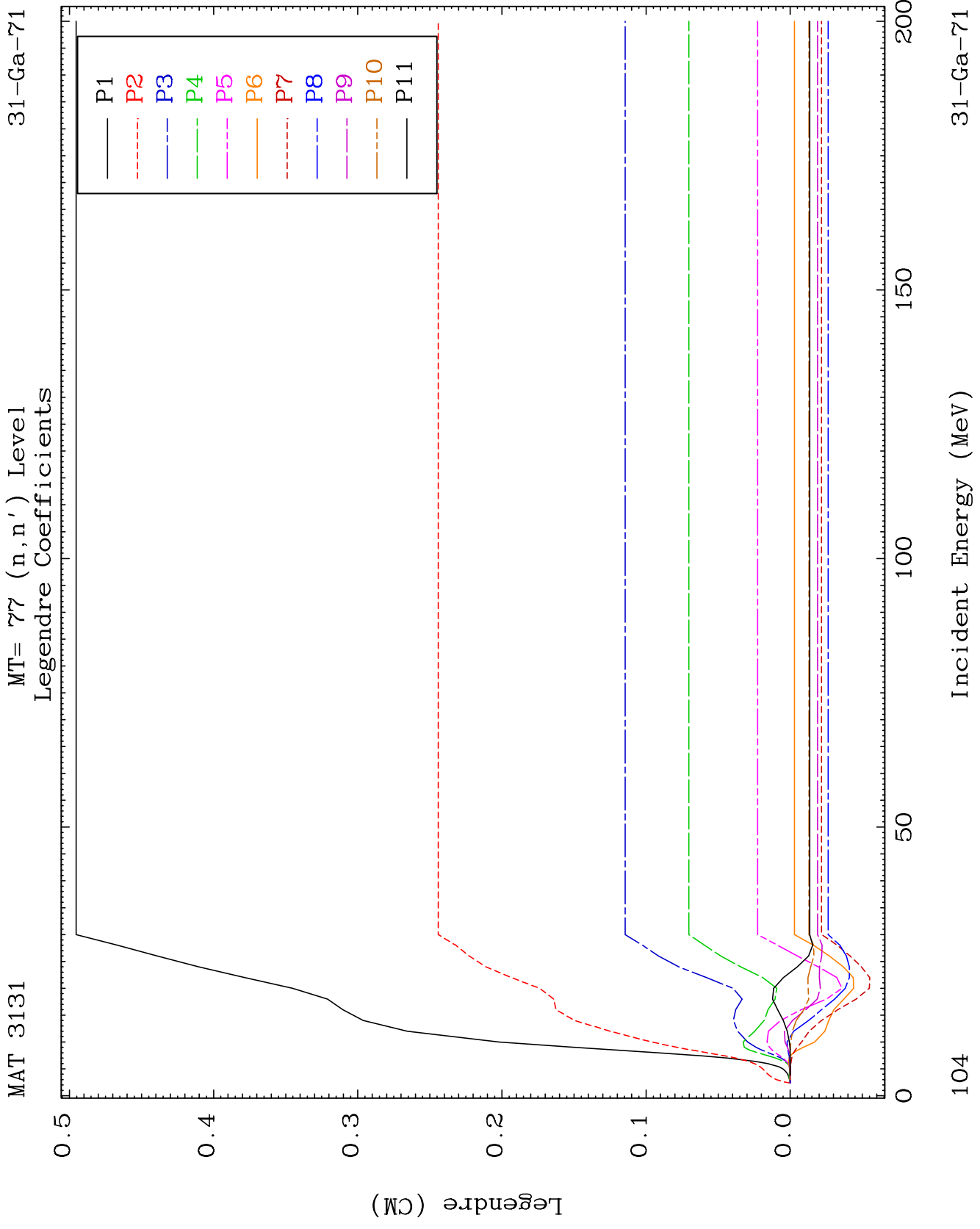
31-Ga-71



103

Incident Energy (MeV)

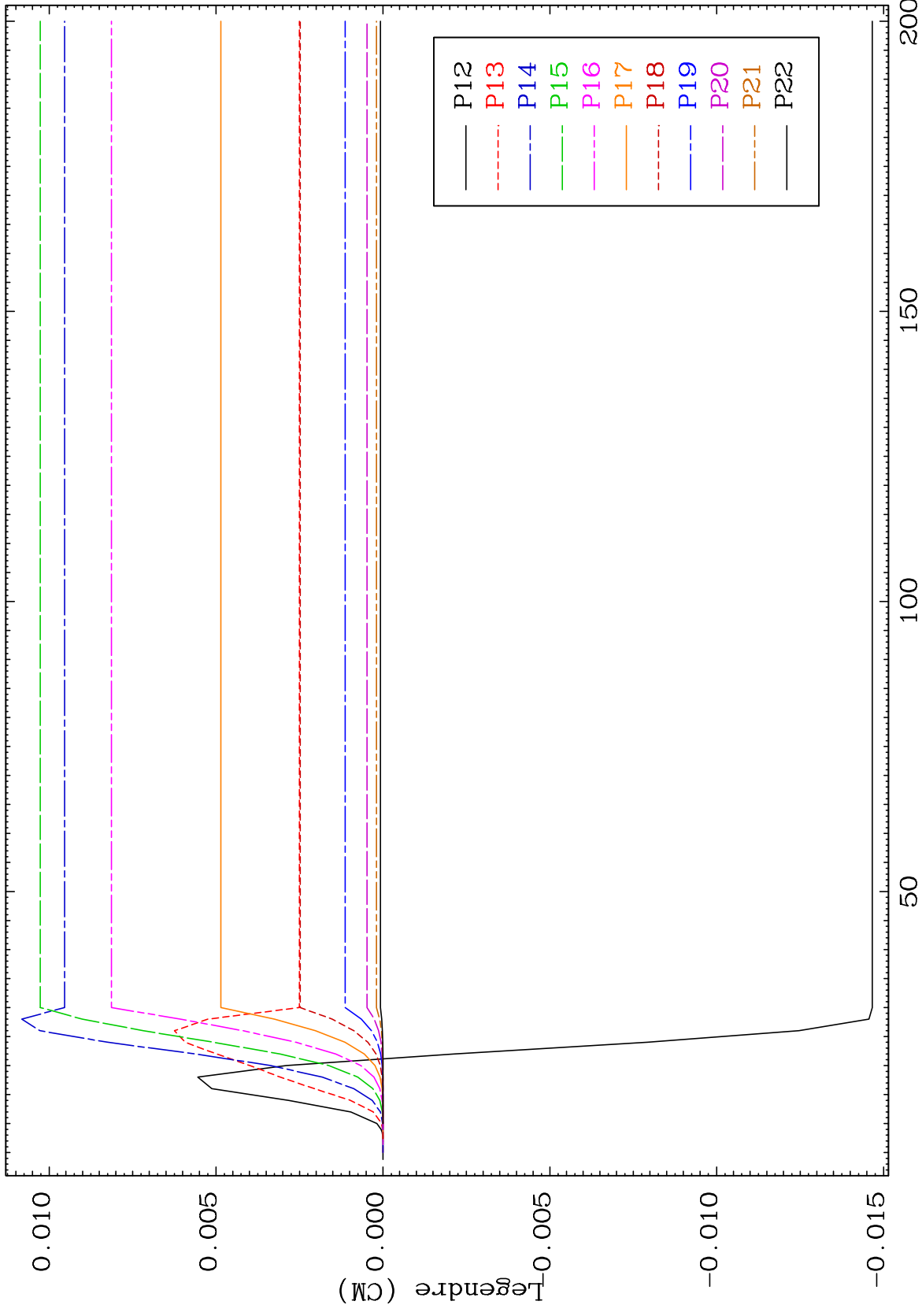
31-Ga-71



MAT 3131

MT= 77 (n,n') Level
Legendre Coefficients

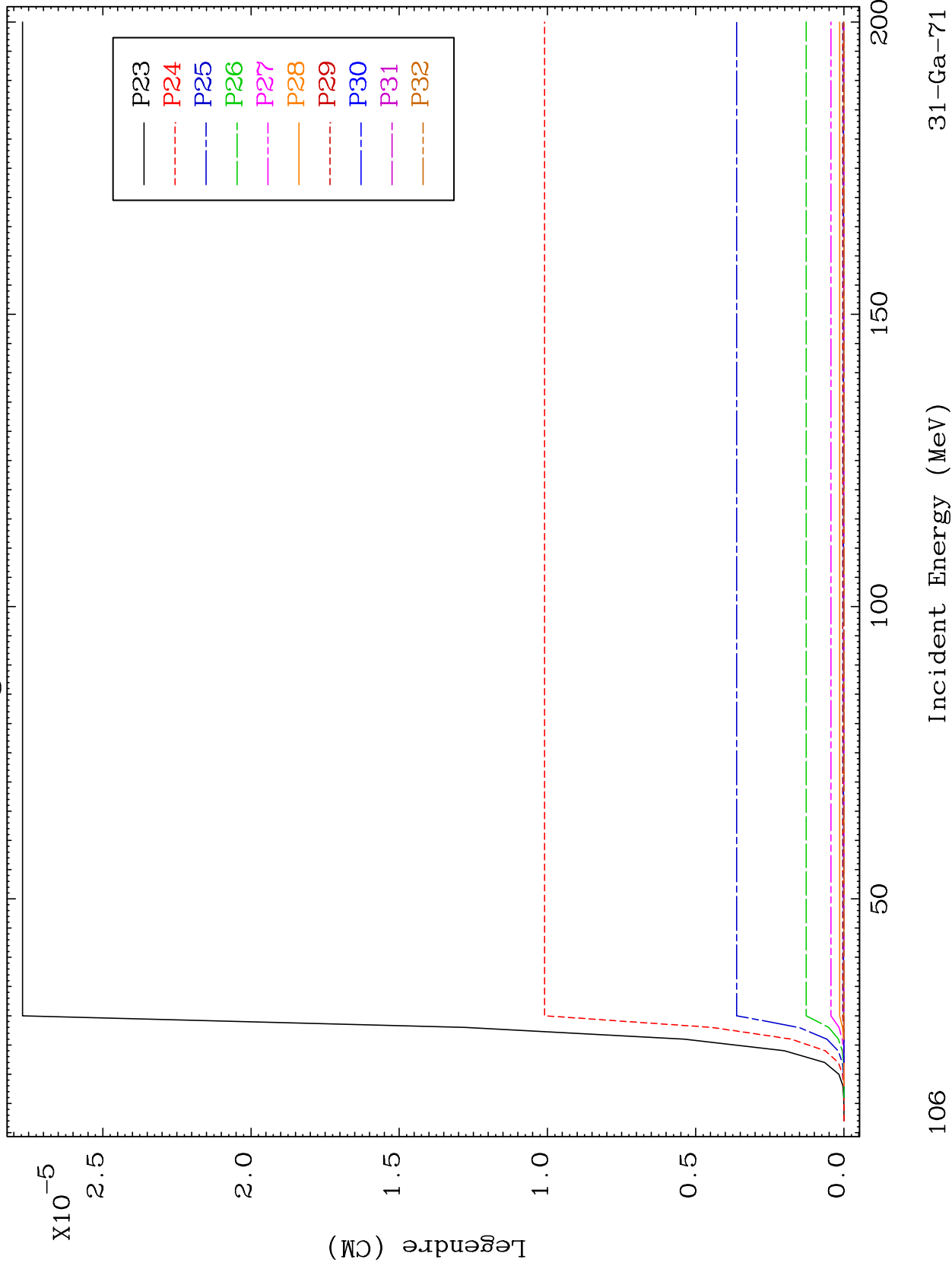
31-Ga-71



105

Incident Energy (MeV)

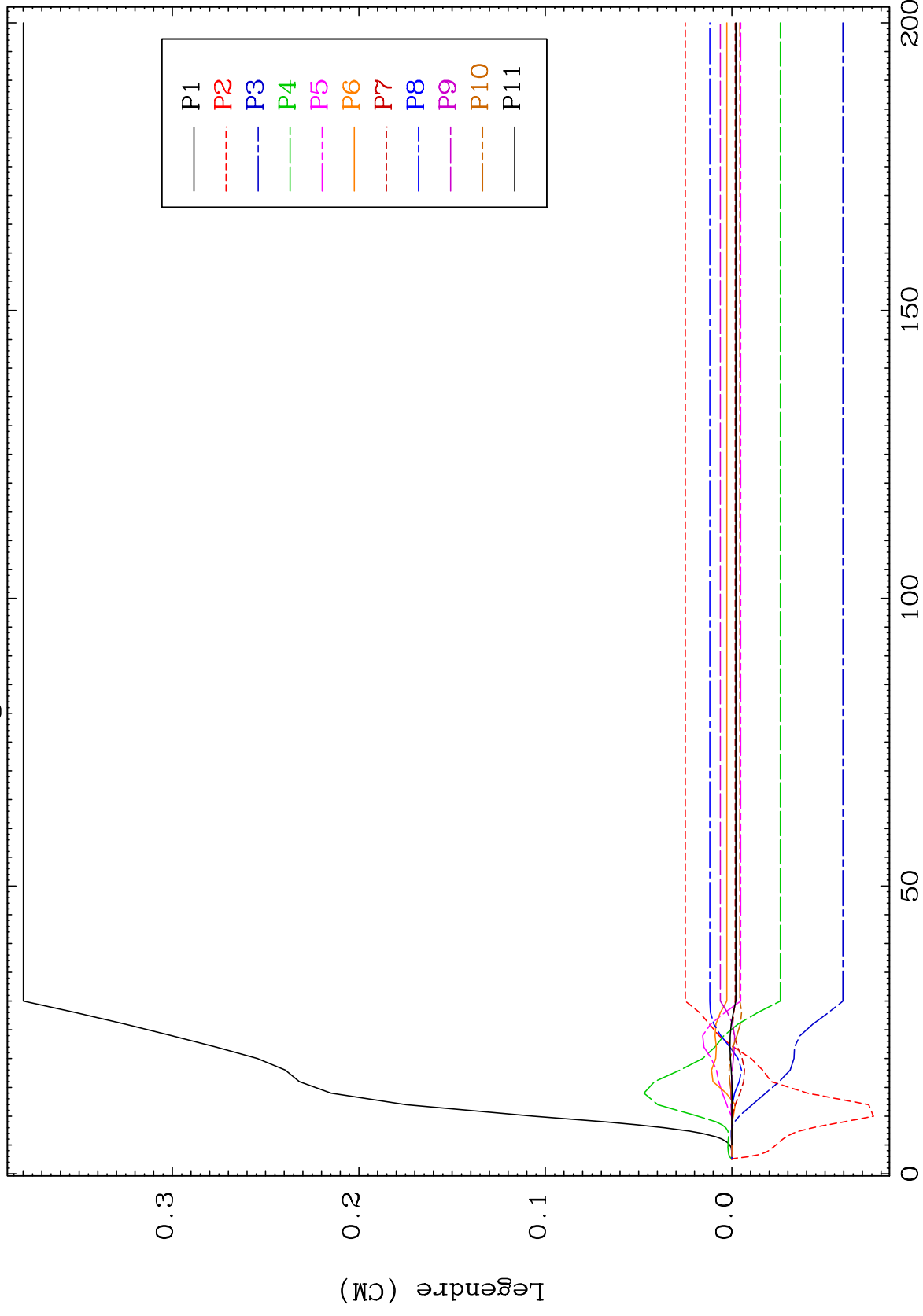
31-Ga-71



MAT 3131

MT= 78 (n,n') Level
Legendre Coefficients

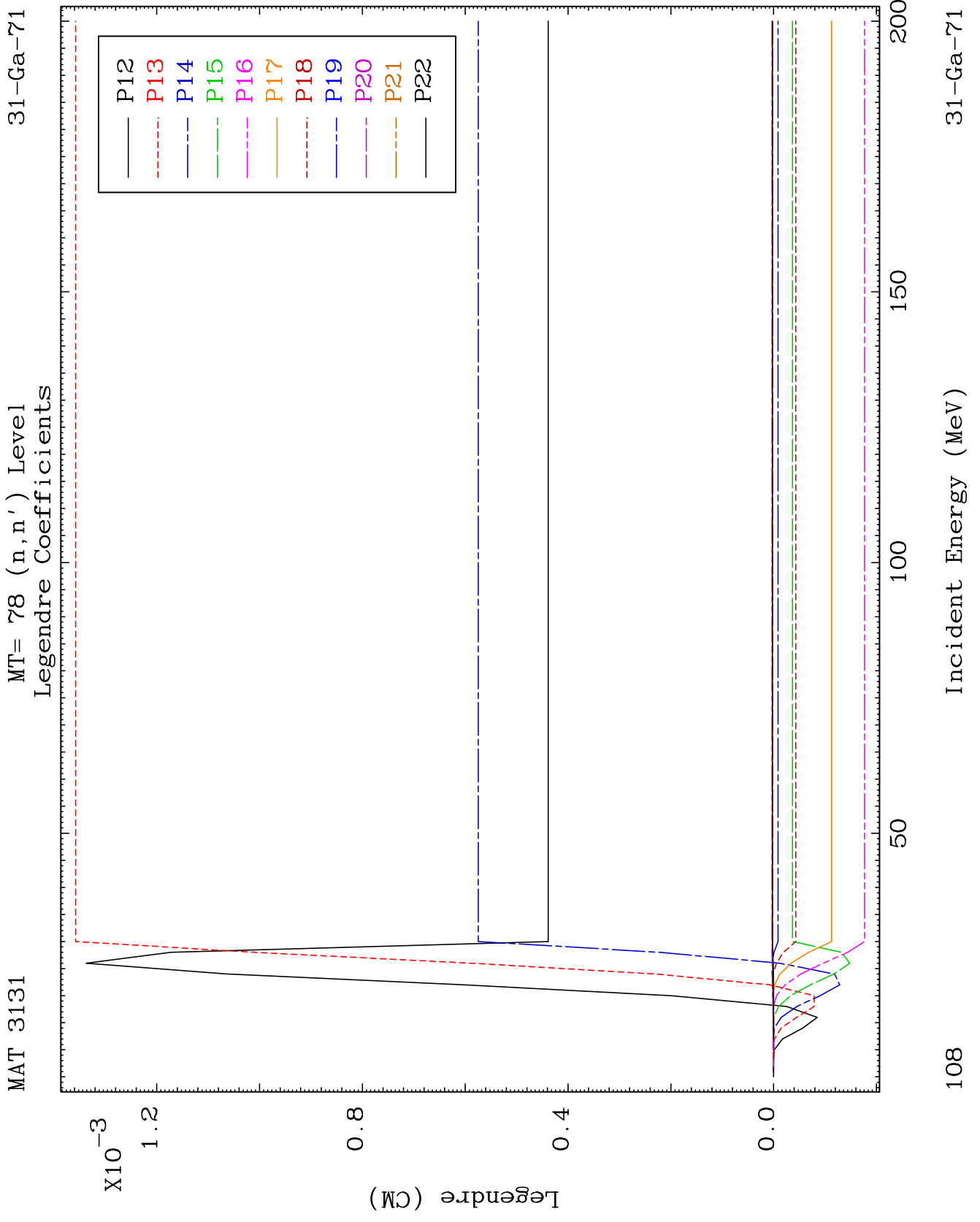
31-Ga-71



107

Incident Energy (MeV)

31-Ga-71

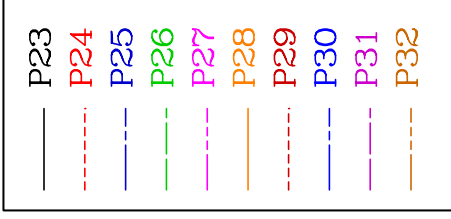


MAT 3131

MT= 78 (n,n') Level
Legendre Coefficients

31-Ga-71

$\times 10^{-6}$
1.2
1.0
0.8
0.6
0.4
0.2
0.0



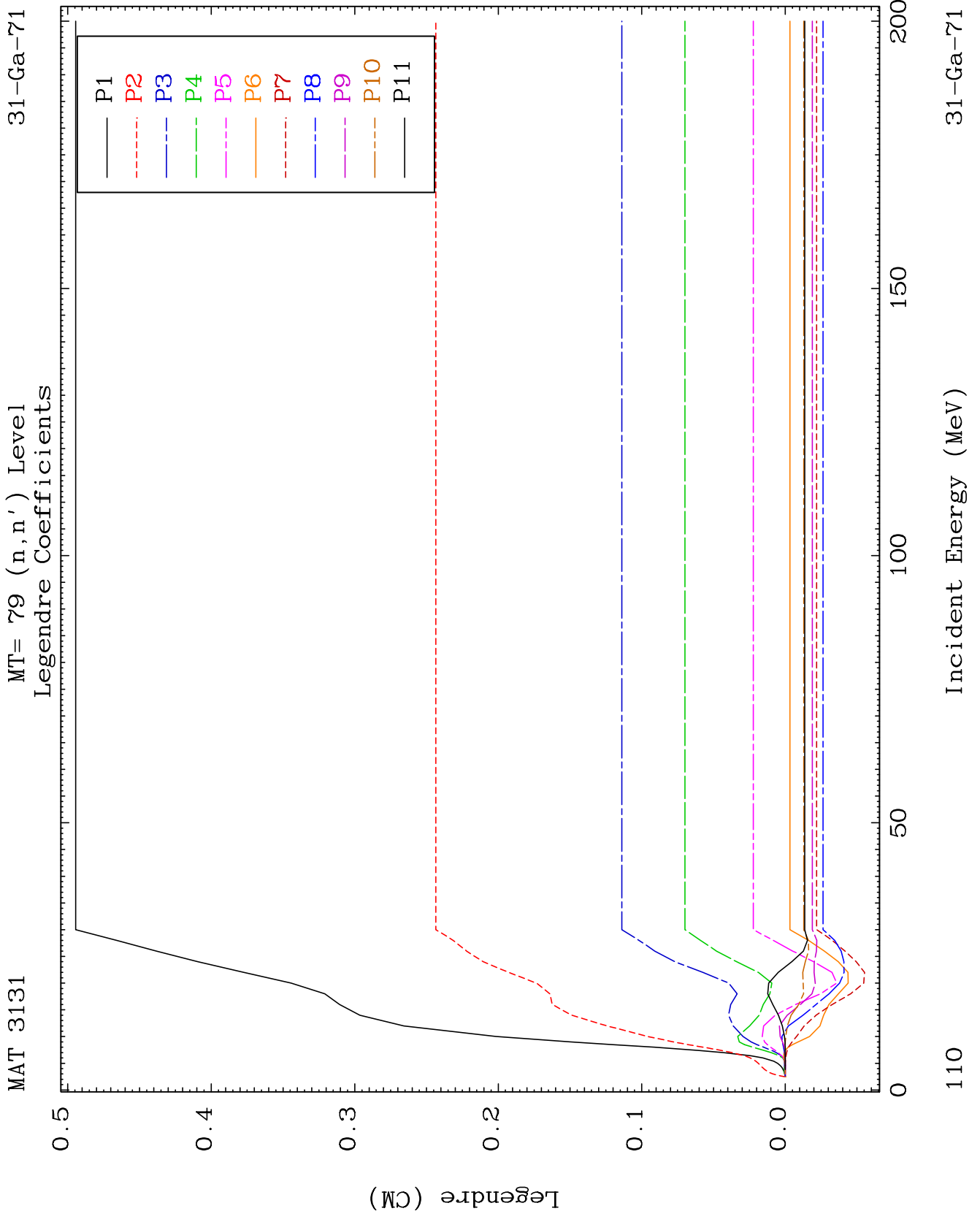
Legendre (CM)

50 100 150 200

109

Incident Energy (MeV)

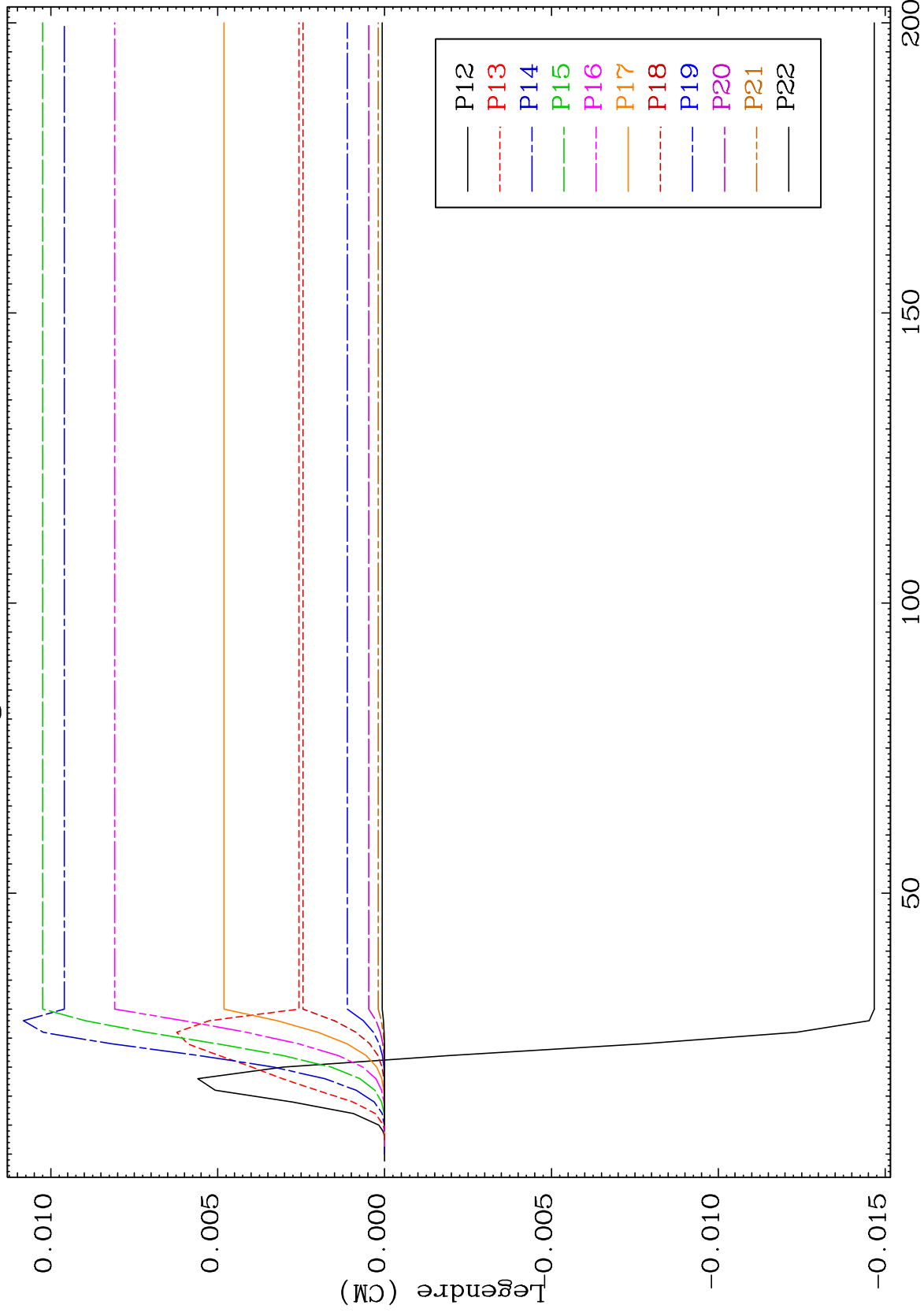
31-Ga-71



MAT 3131

31-Ga-71

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



111

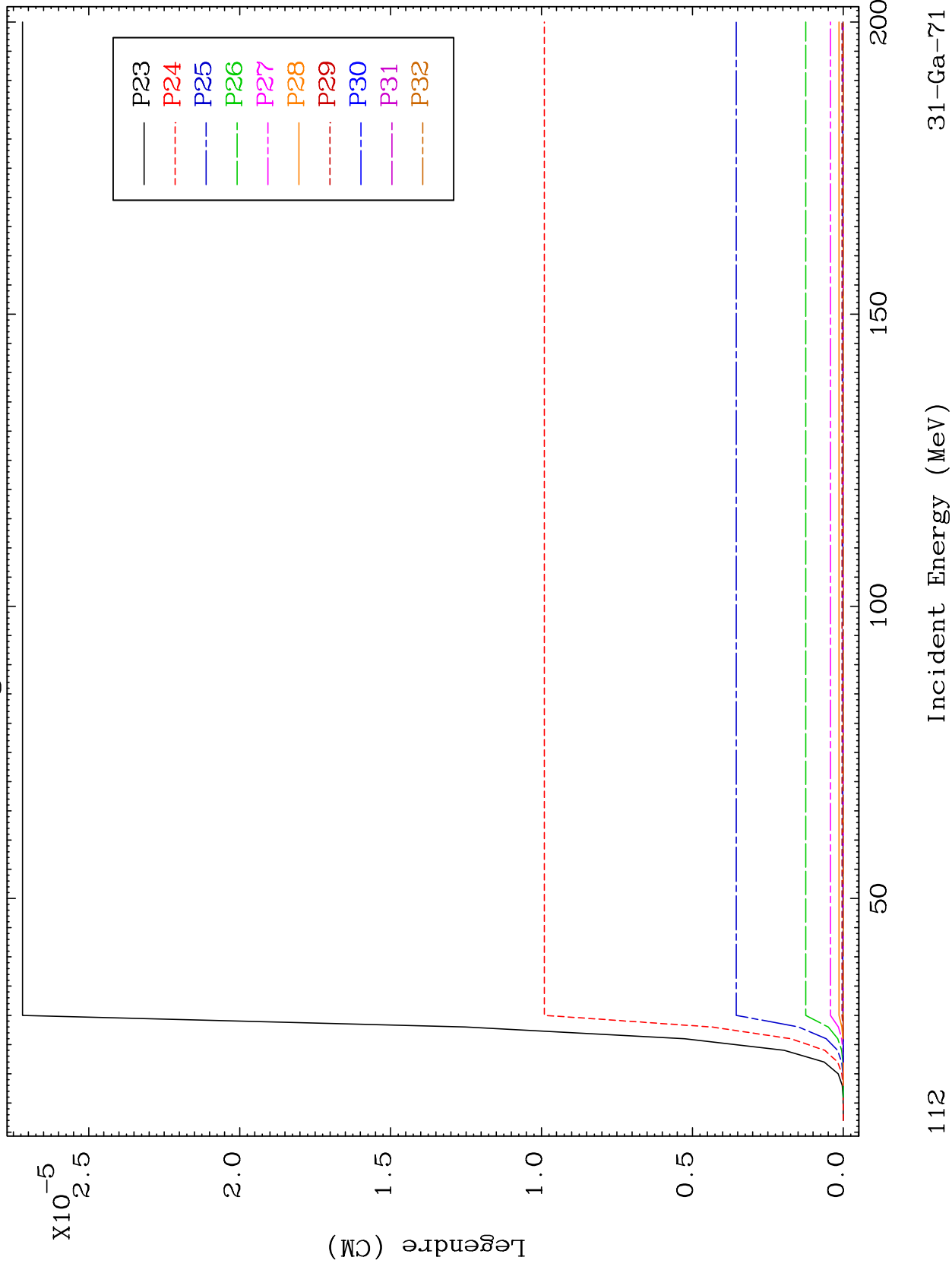
Incident Energy (MeV)

31-Ga-71

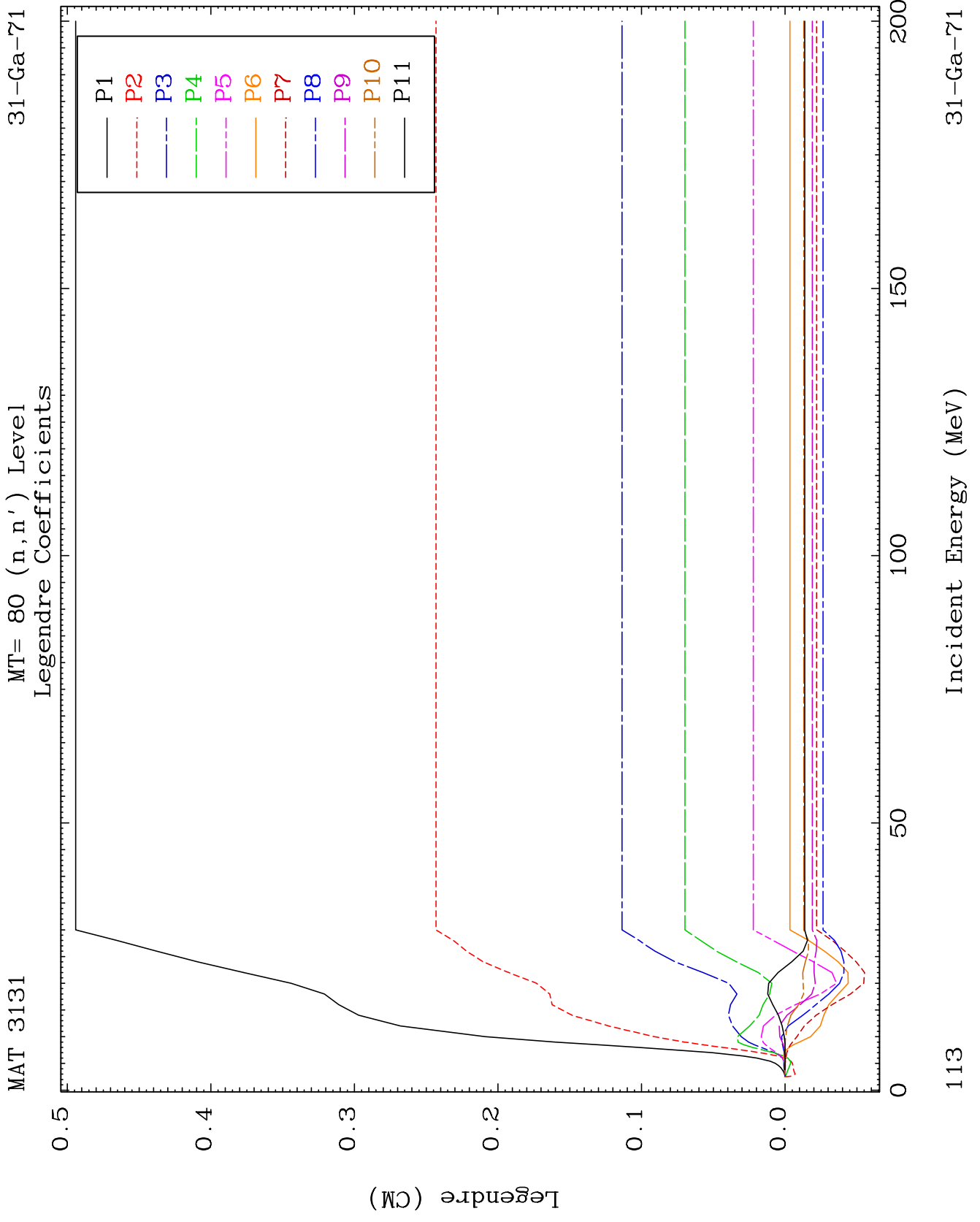
MAT 3131

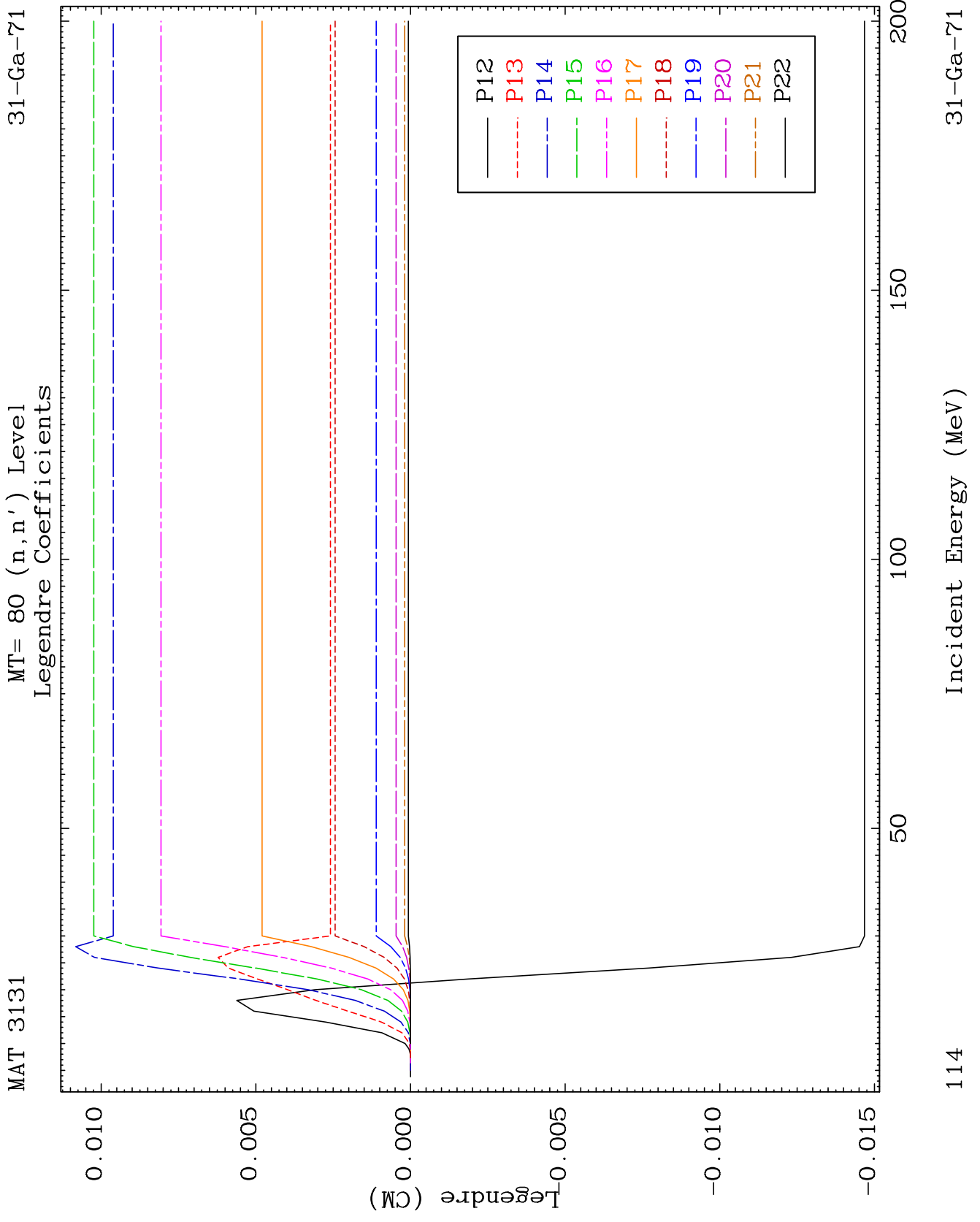
MT= 79 (n,n') Level
Legendre Coefficients

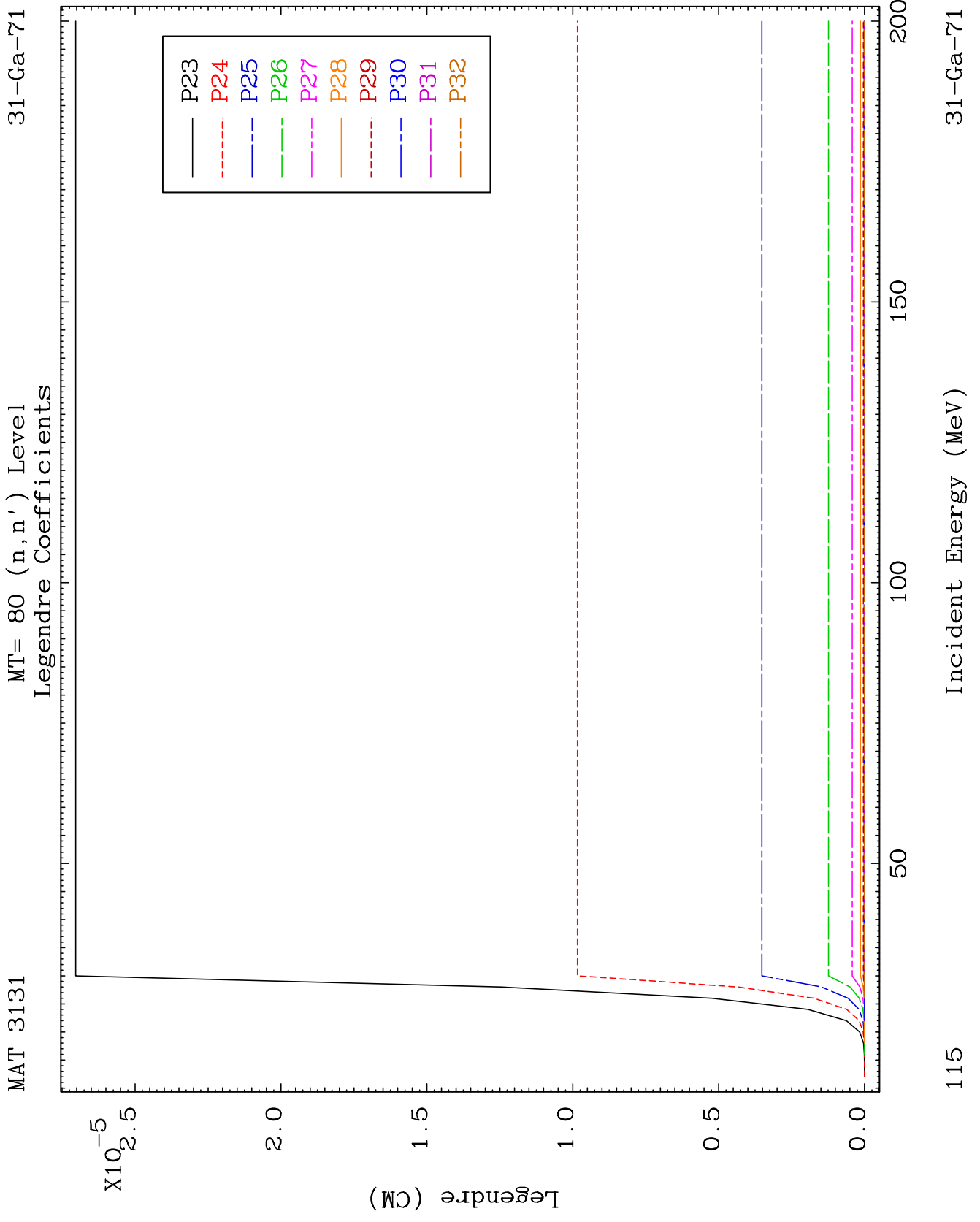
31-Ga-71



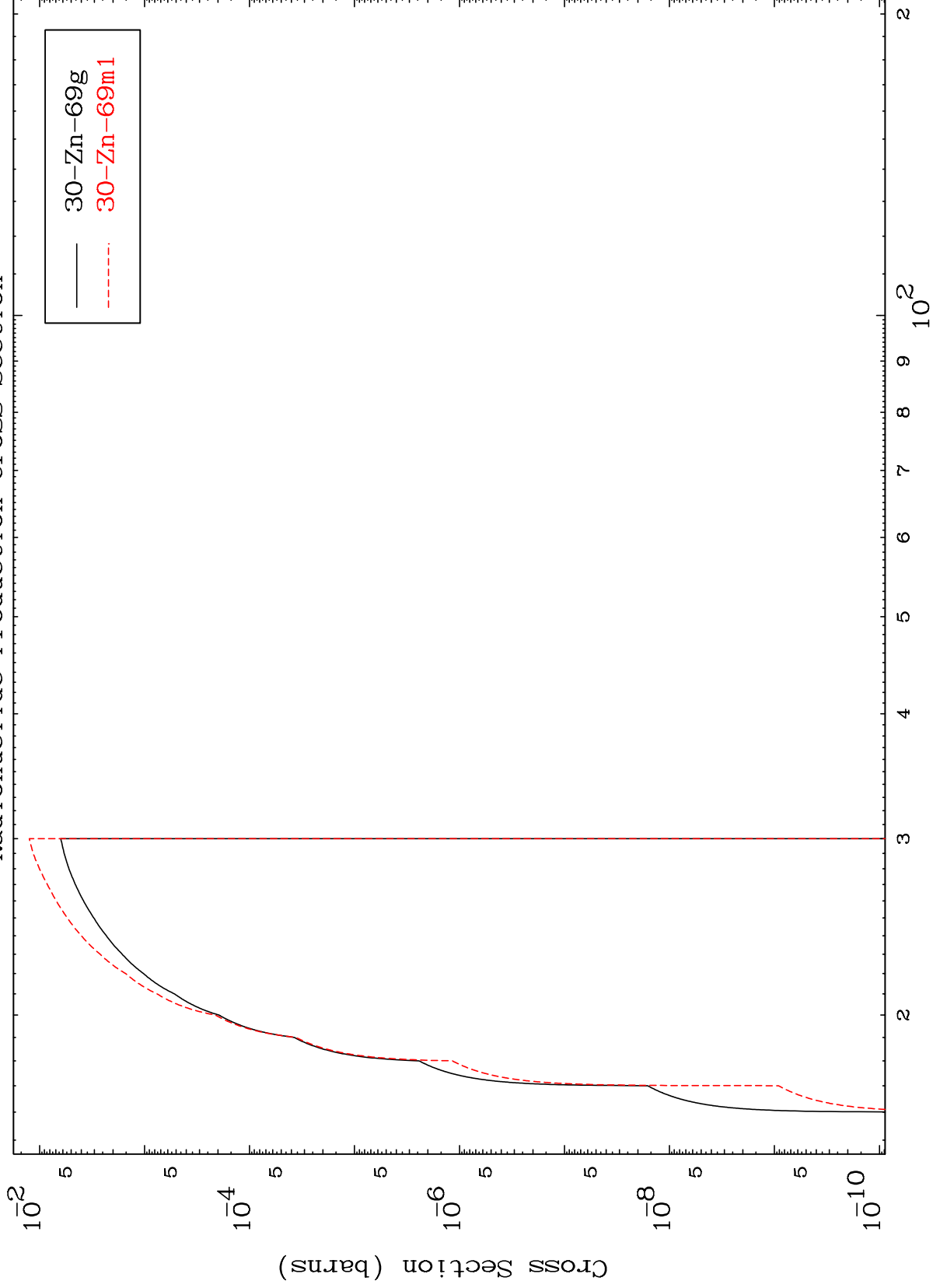
112



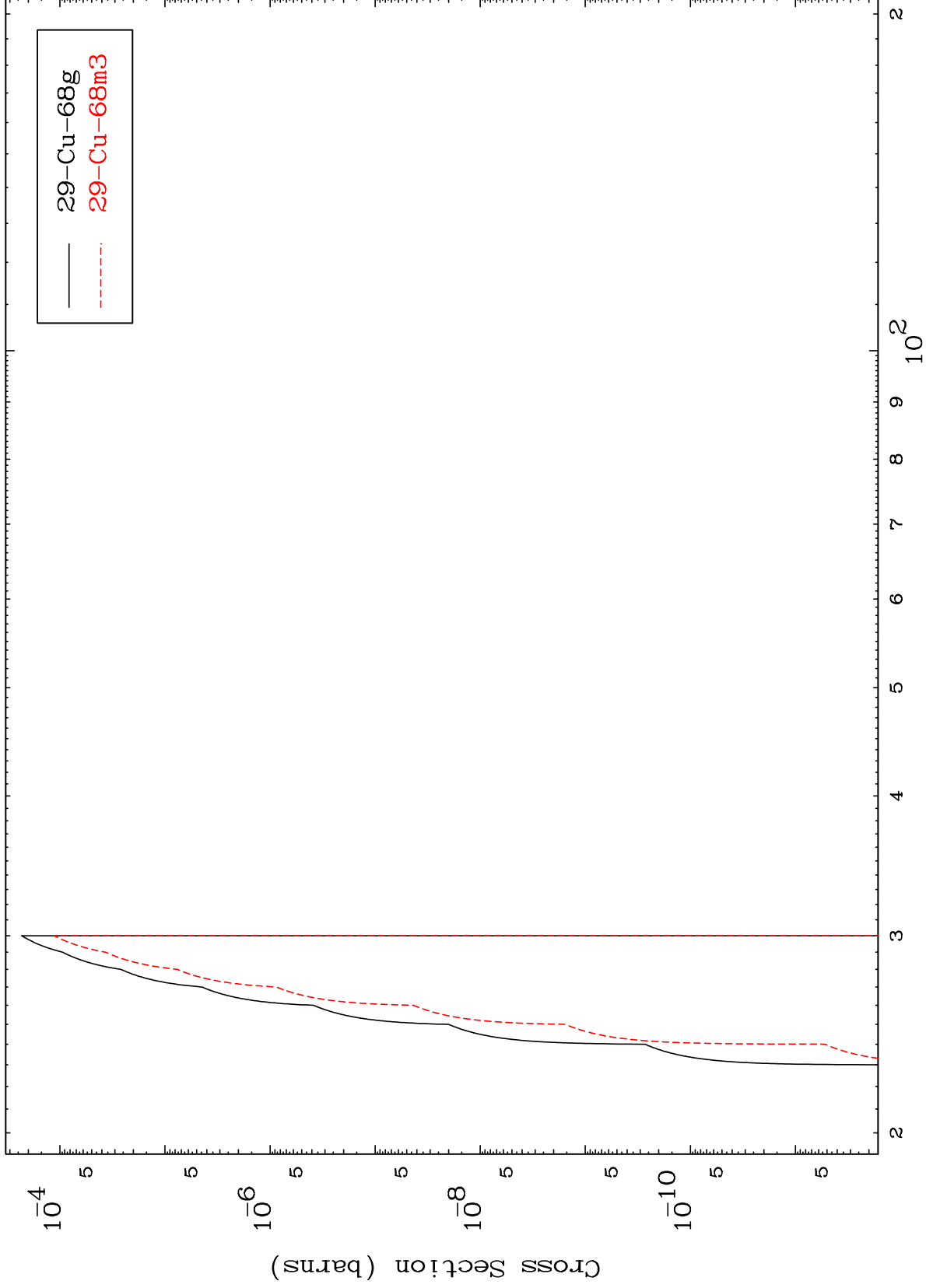




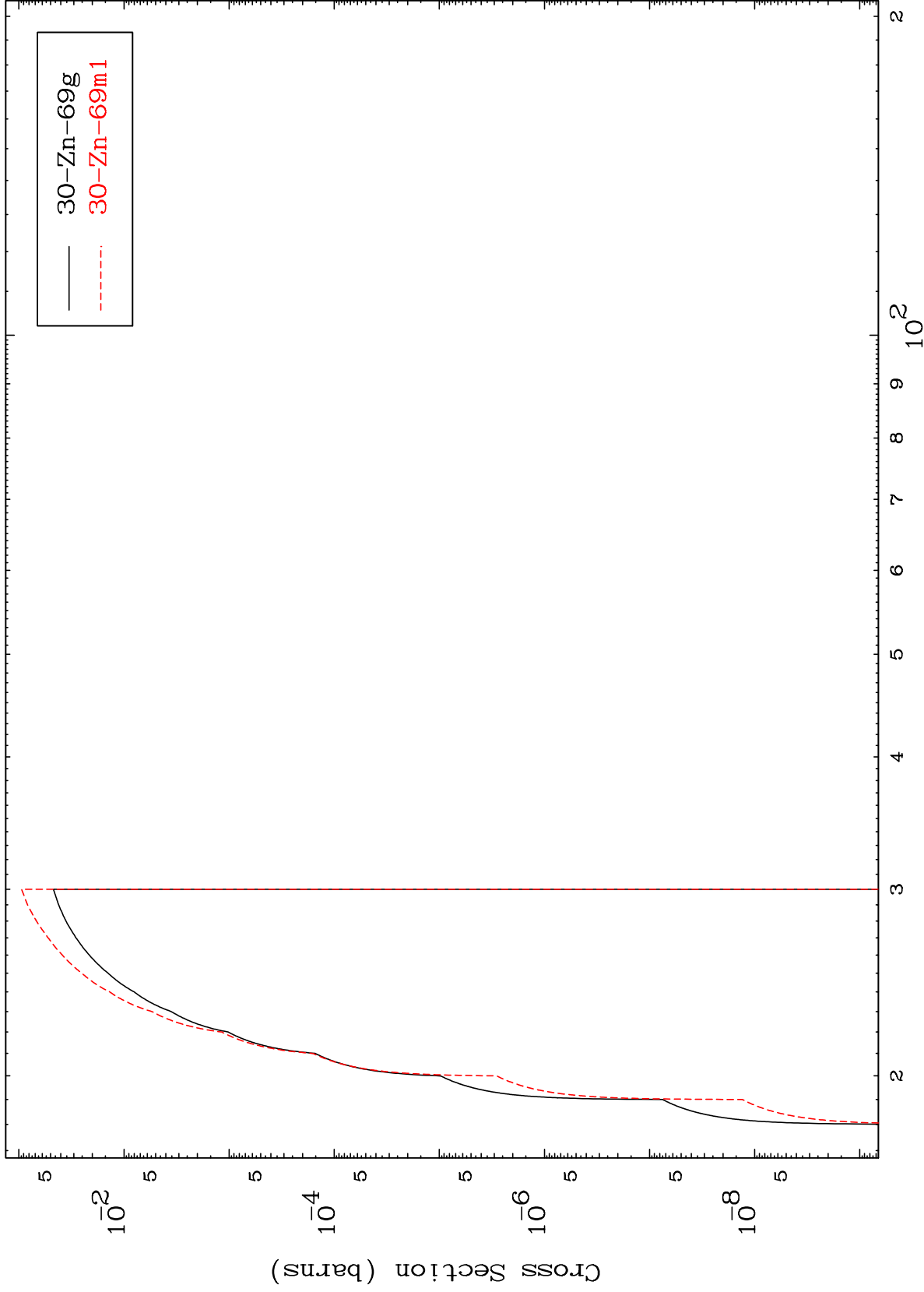
Radionuclide Production Cross Section



Radionuclide Production Cross Section



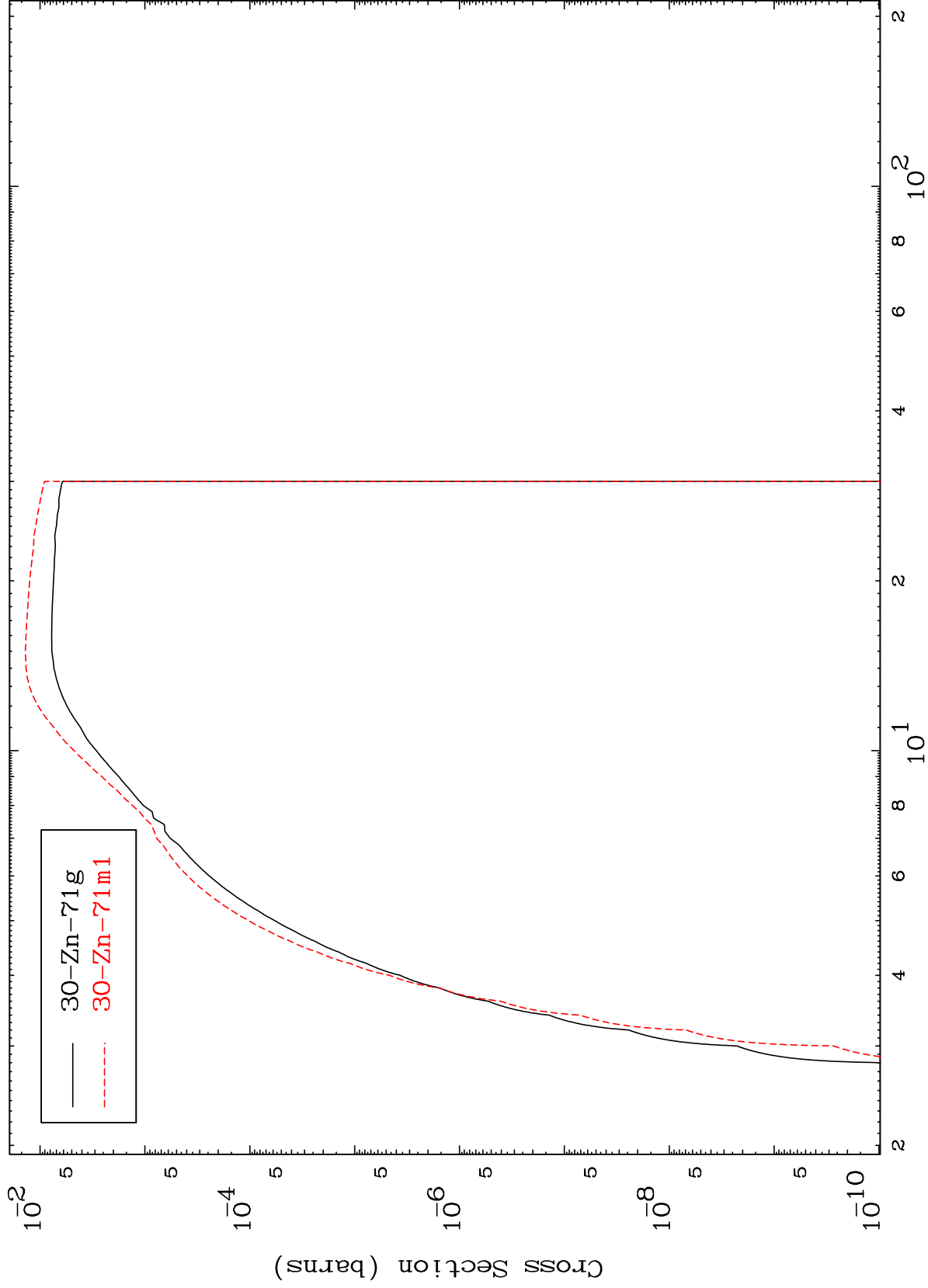
Radionuclide Production Cross Section



MAT 3131

³¹Ga-71

(n,p)
Radionuclide Production Cross Section



119

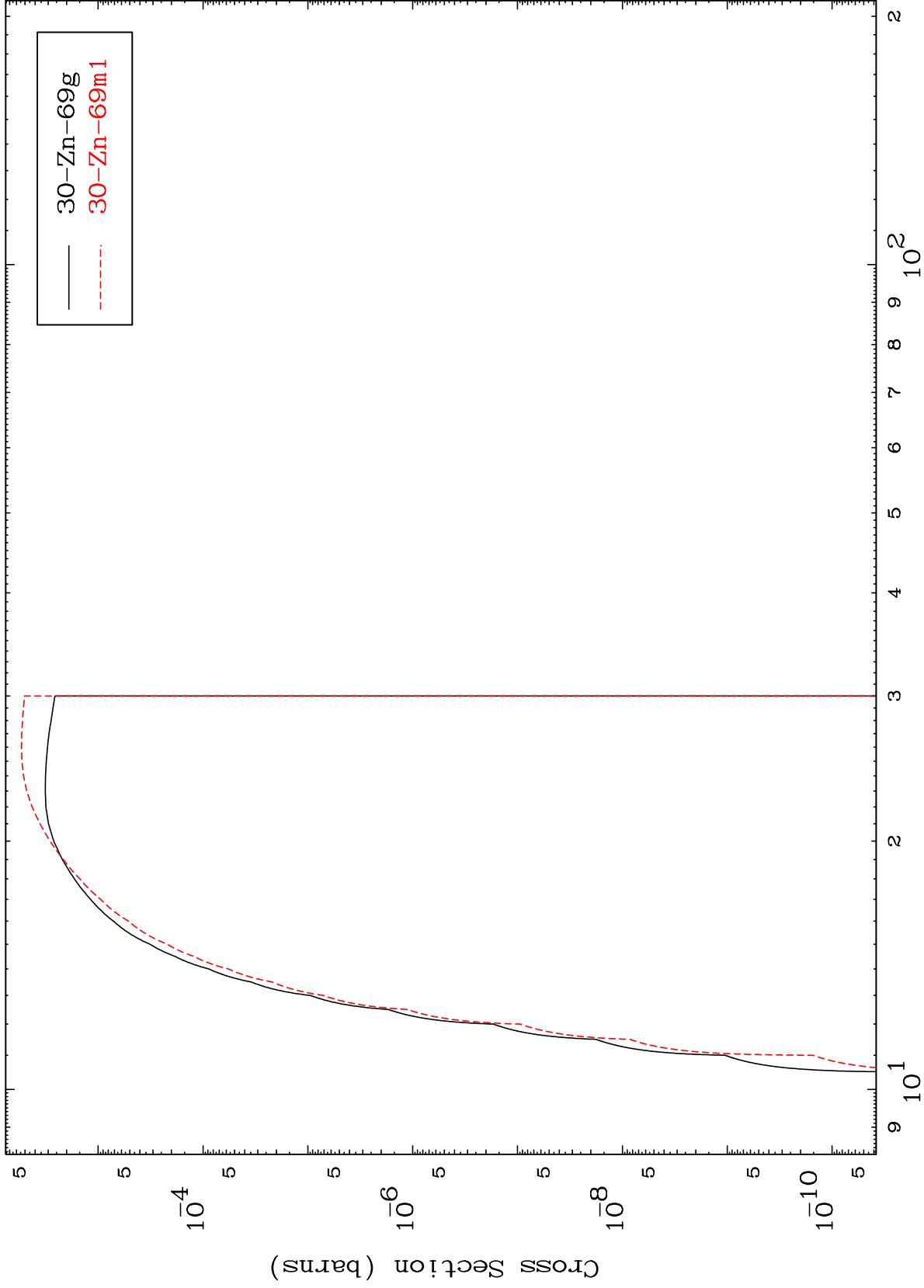
Incident Energy (MeV)

³¹Ga-71

MAT 3131

31-Ga-71

(n,t)
Radionuclide Production Cross Section



31-Ga-71

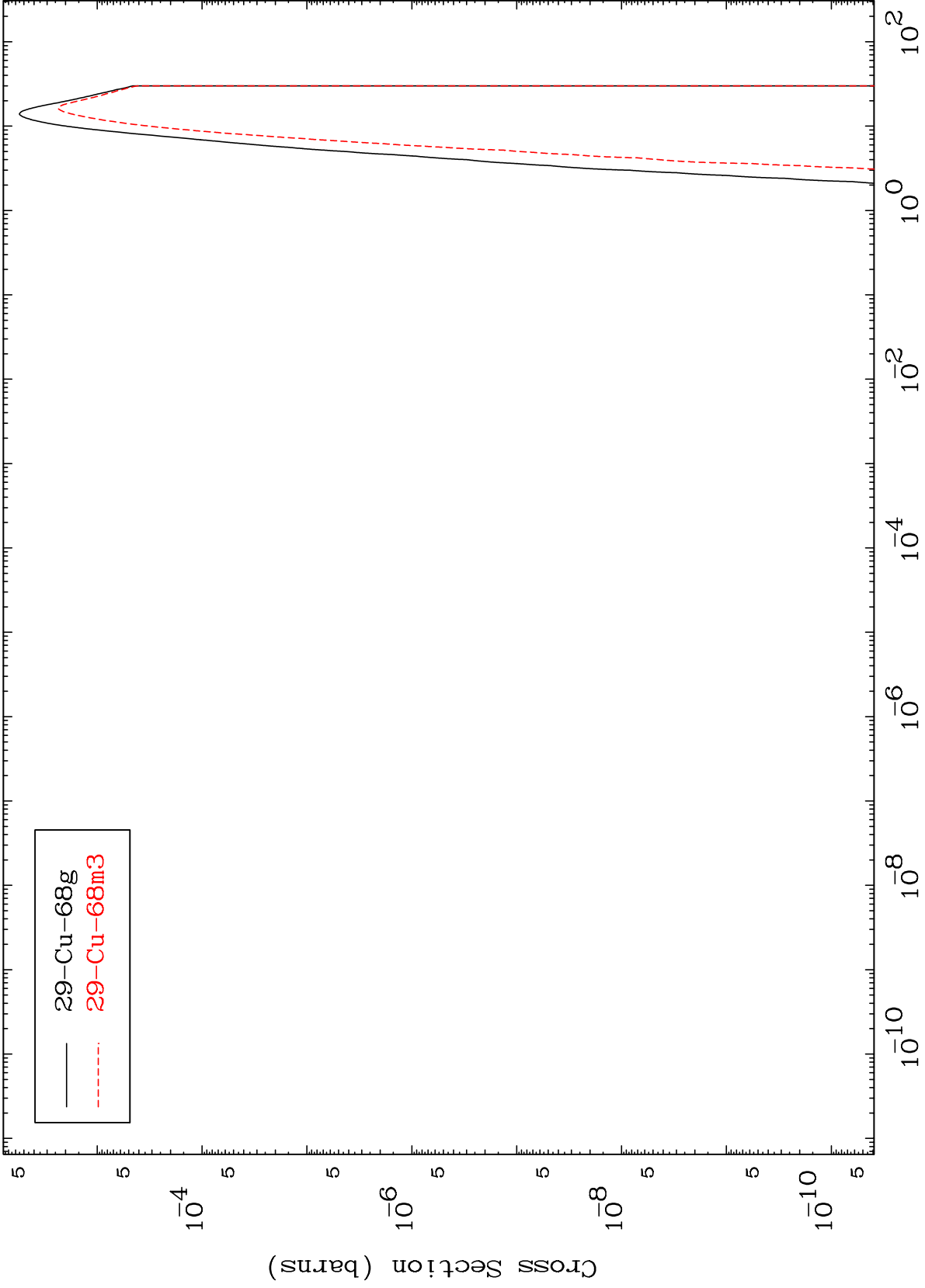
Incident Energy (MeV)

120

MAT 3131

31-Ga-71

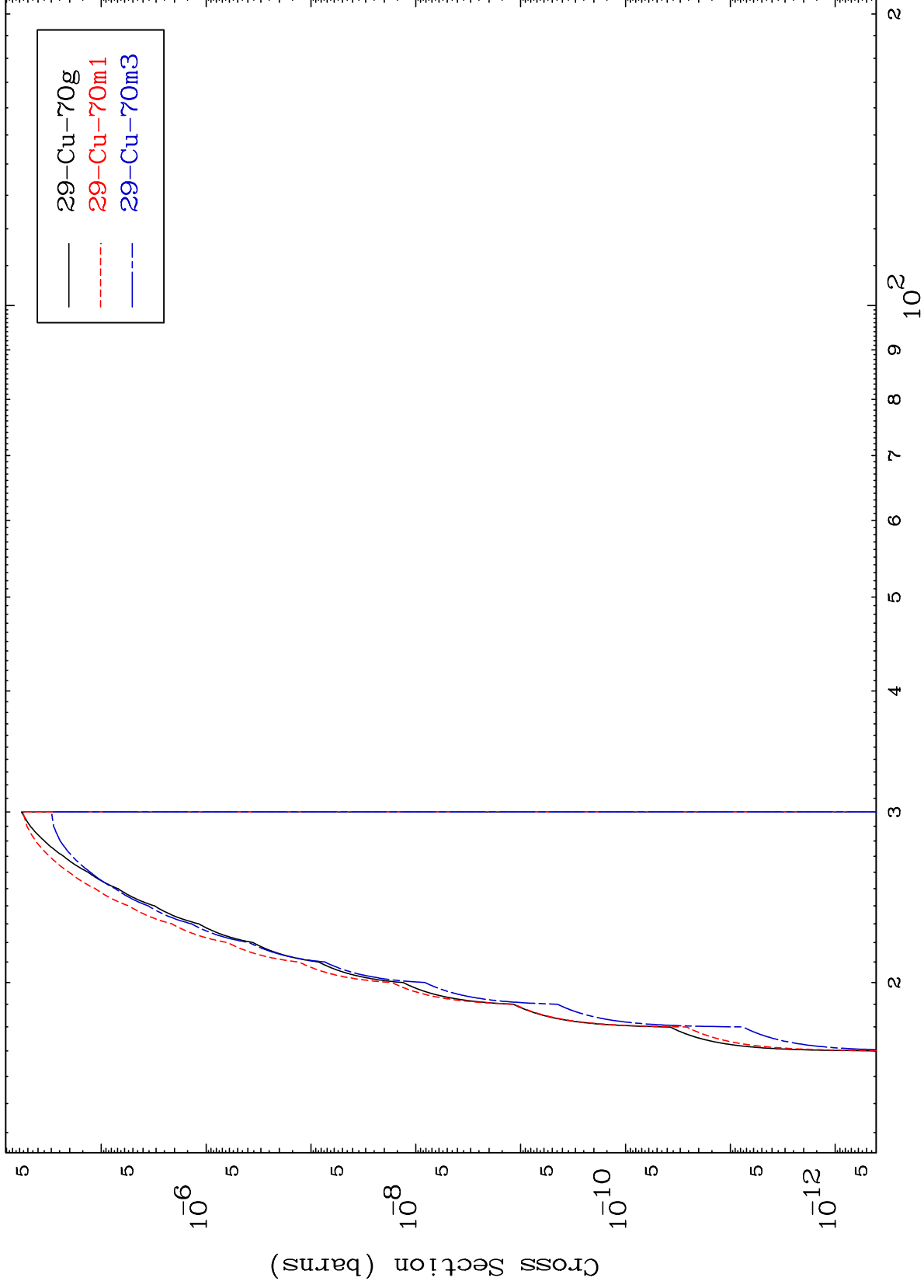
(n, α)
Radionuclide Production Cross Section



121

31-Ga-71

(n,2p)
Radionuclide Production Cross Section



Radionuclide Production Cross Section

