

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

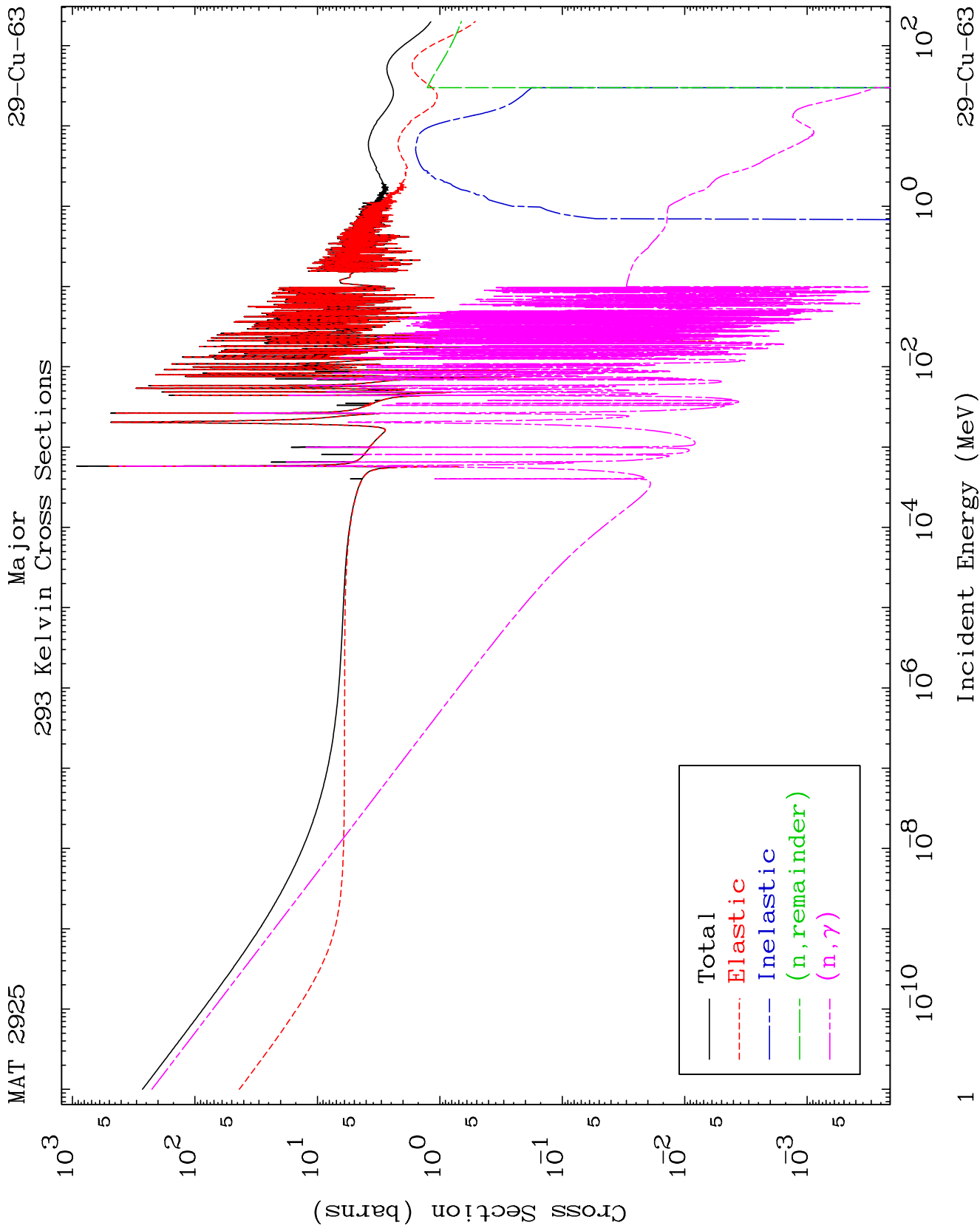
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

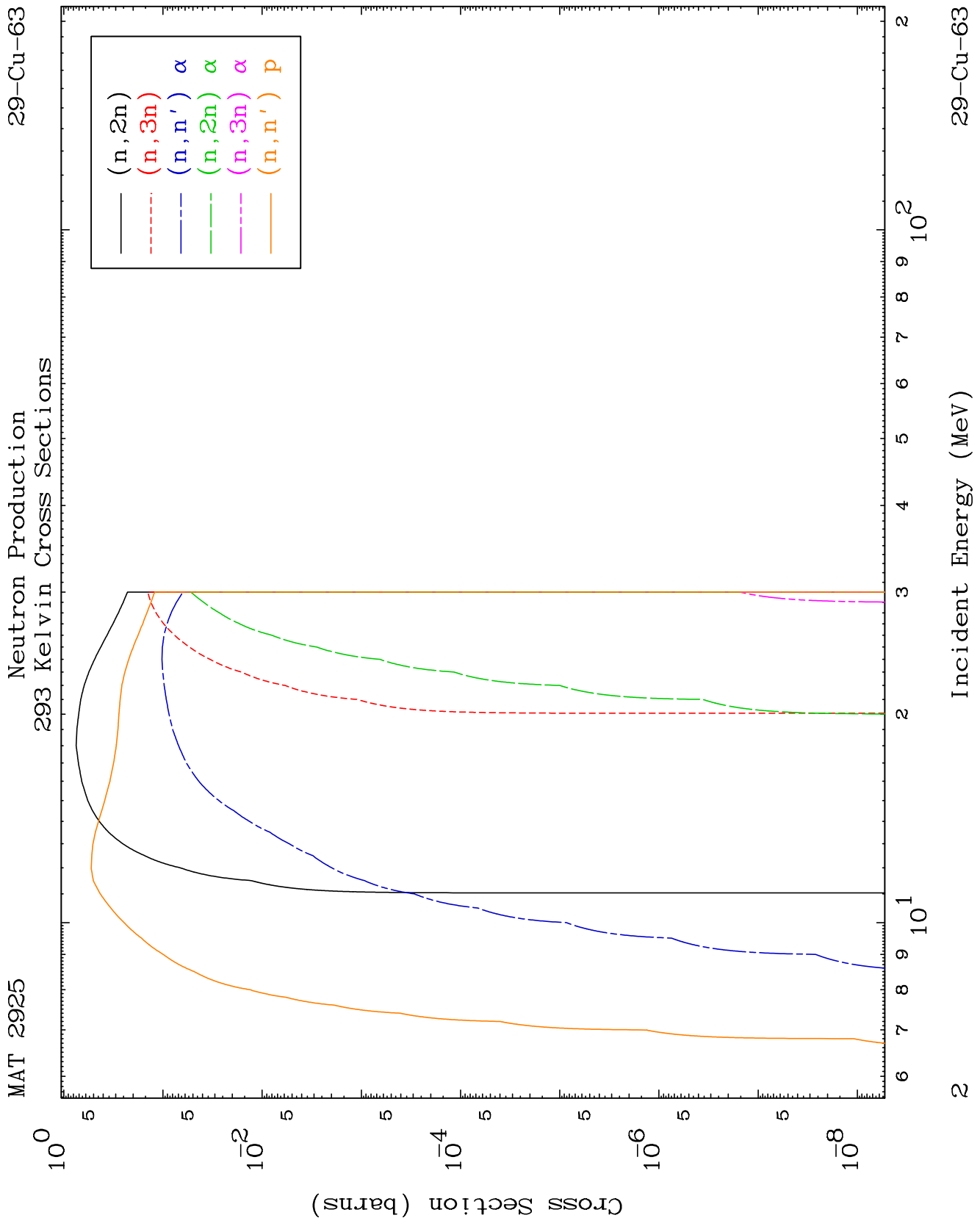
Tele: 925-443-1911

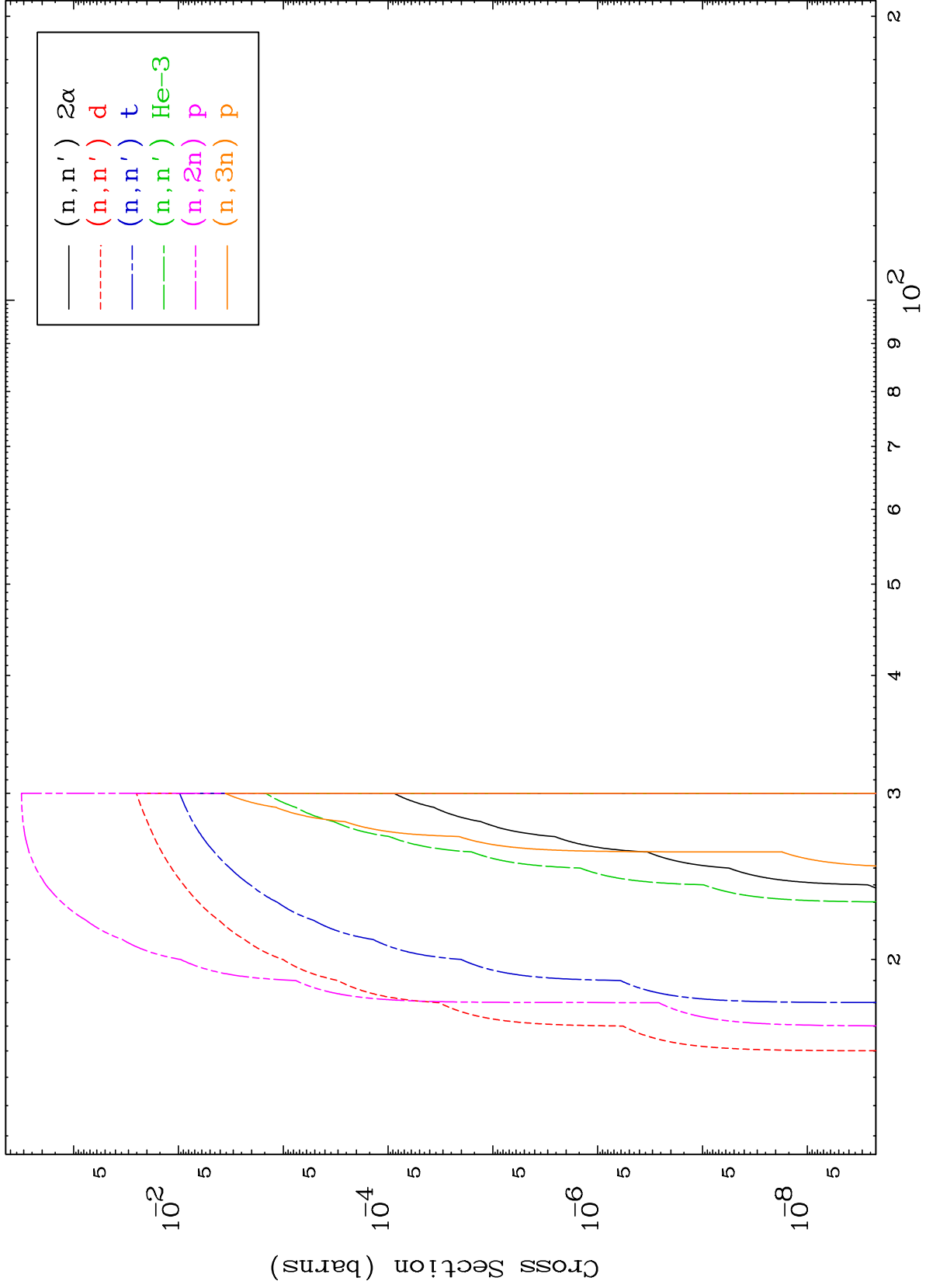
E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



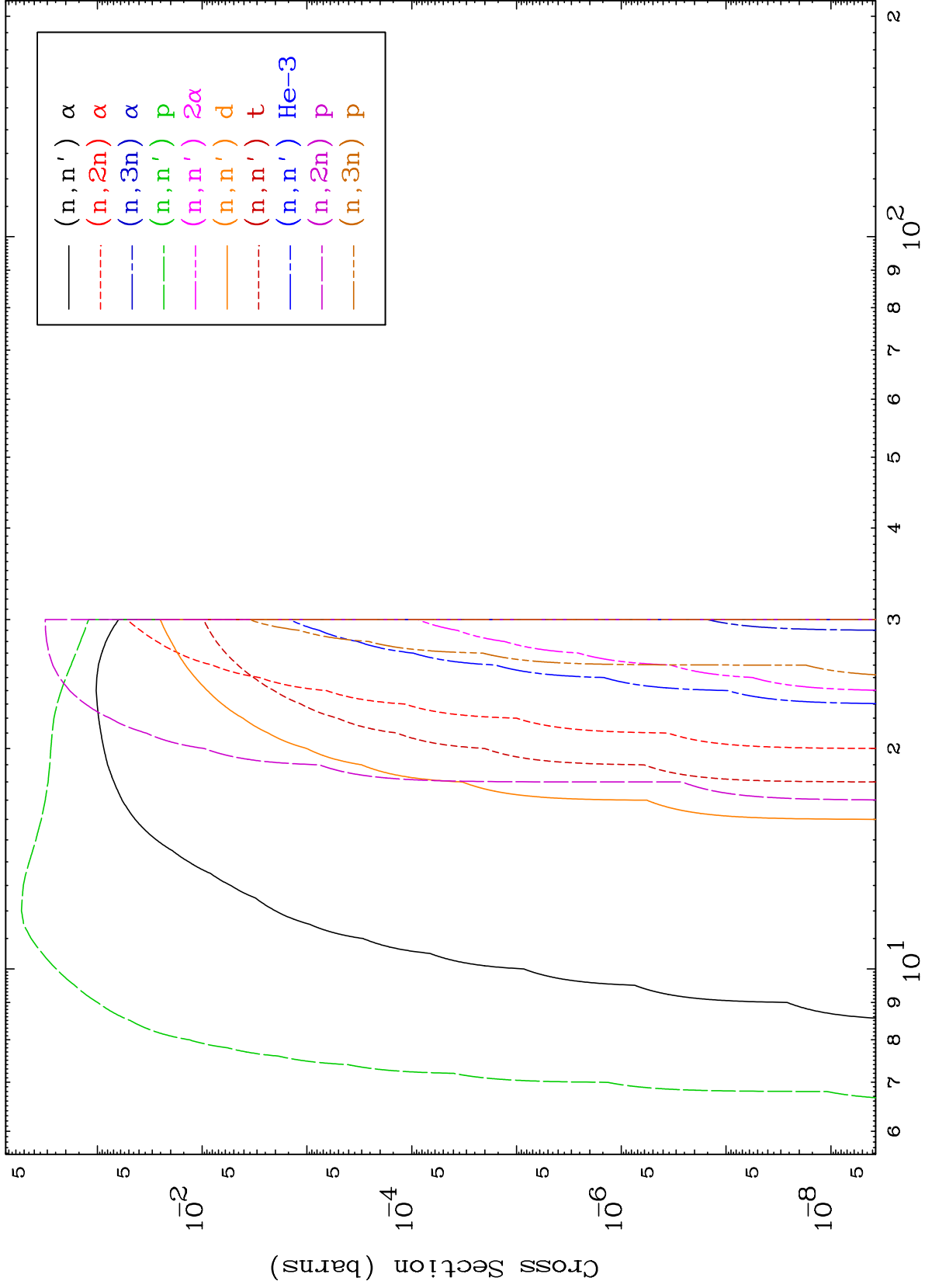




MAT 2925

Charged Particle
293 Kelvin Cross Sections

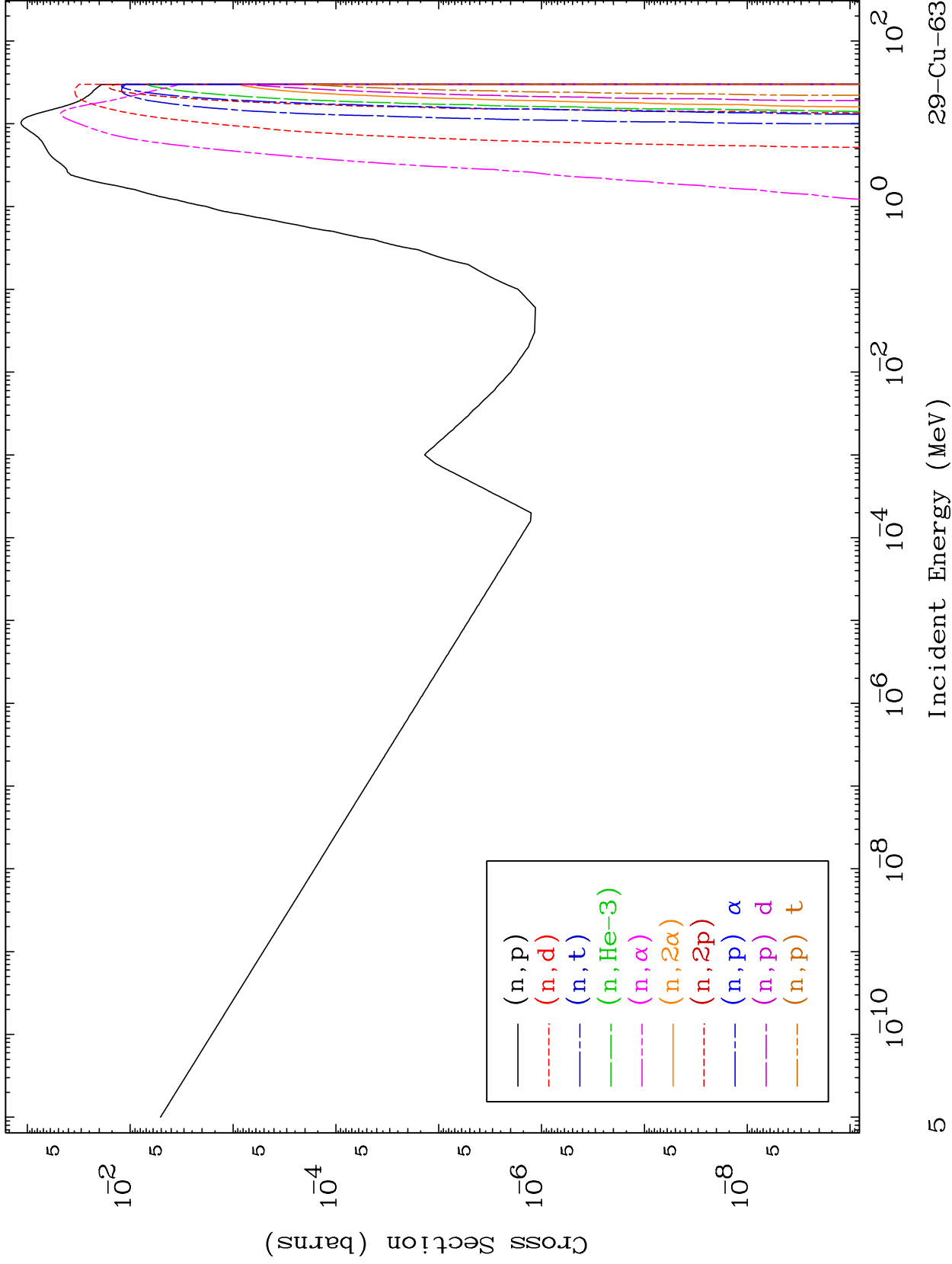
29-Cu-63



MAT 2925

Charged Particle
293 Kelvin Cross Sections

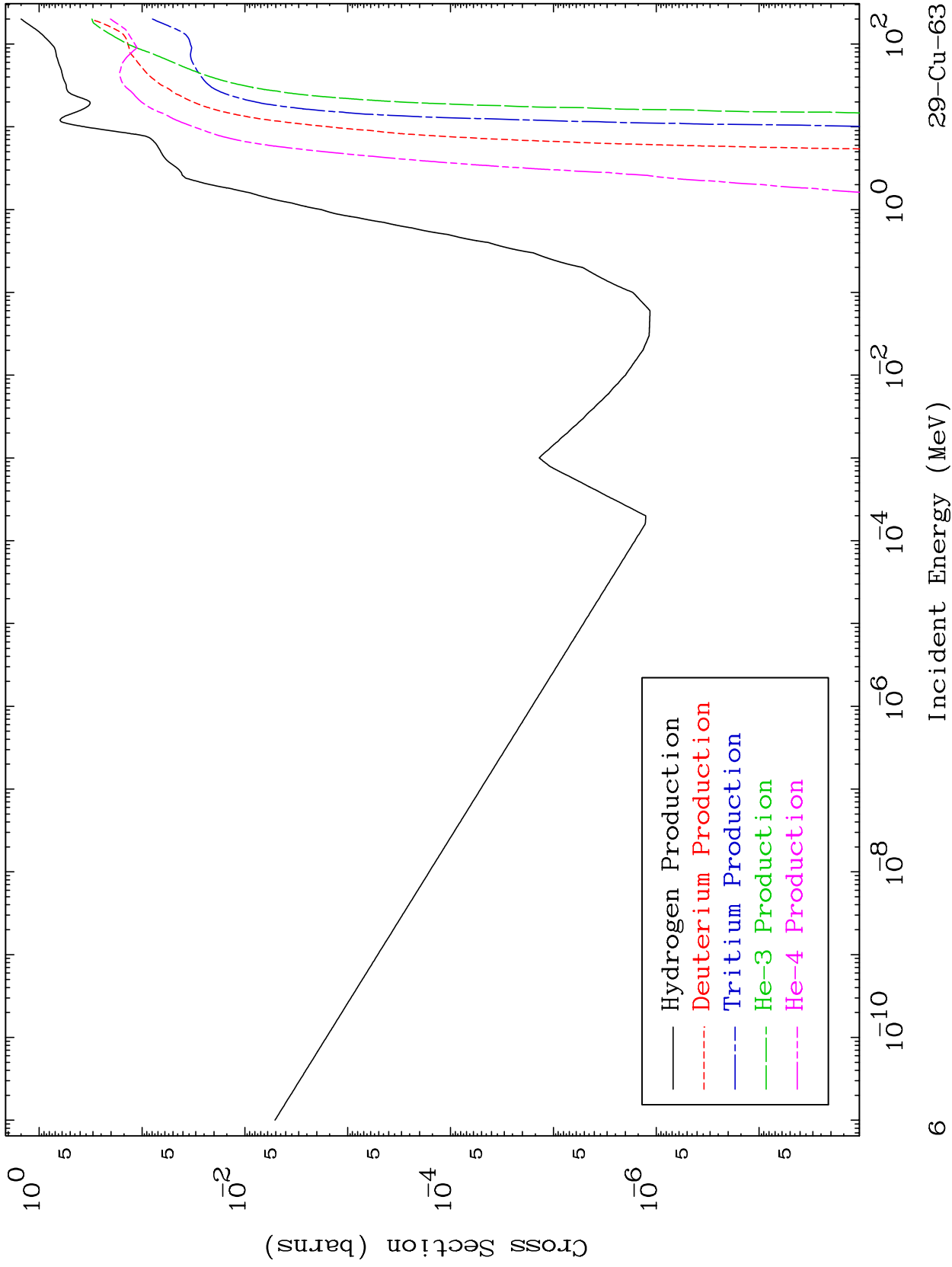
29-Cu-63



MAT 2925

Particle Production
293 Kelvin Cross Sections

29-Cu-63

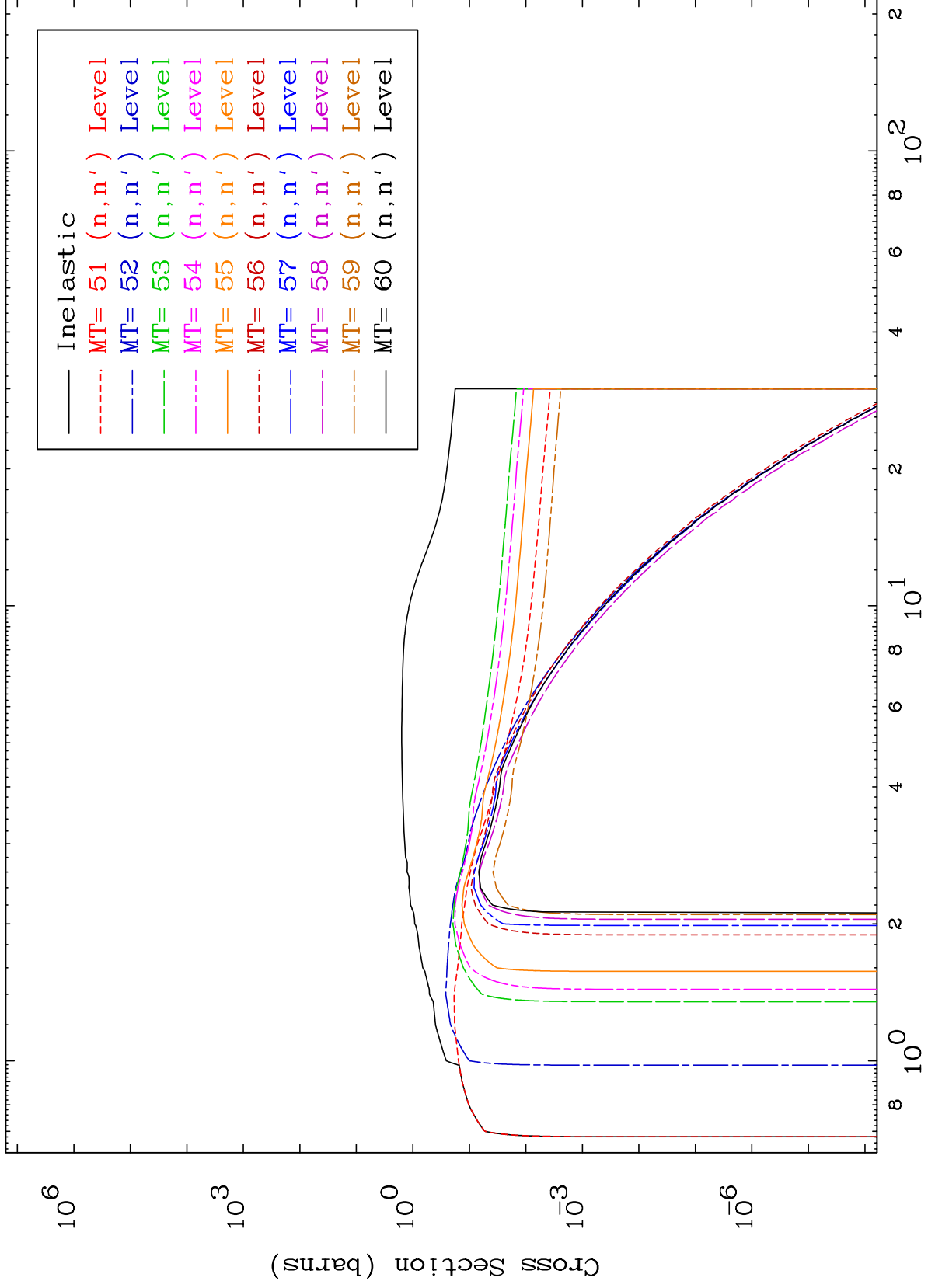


MAT 2925

(n,n') Level

29-Cu-63

293 Kelvin Cross Sections

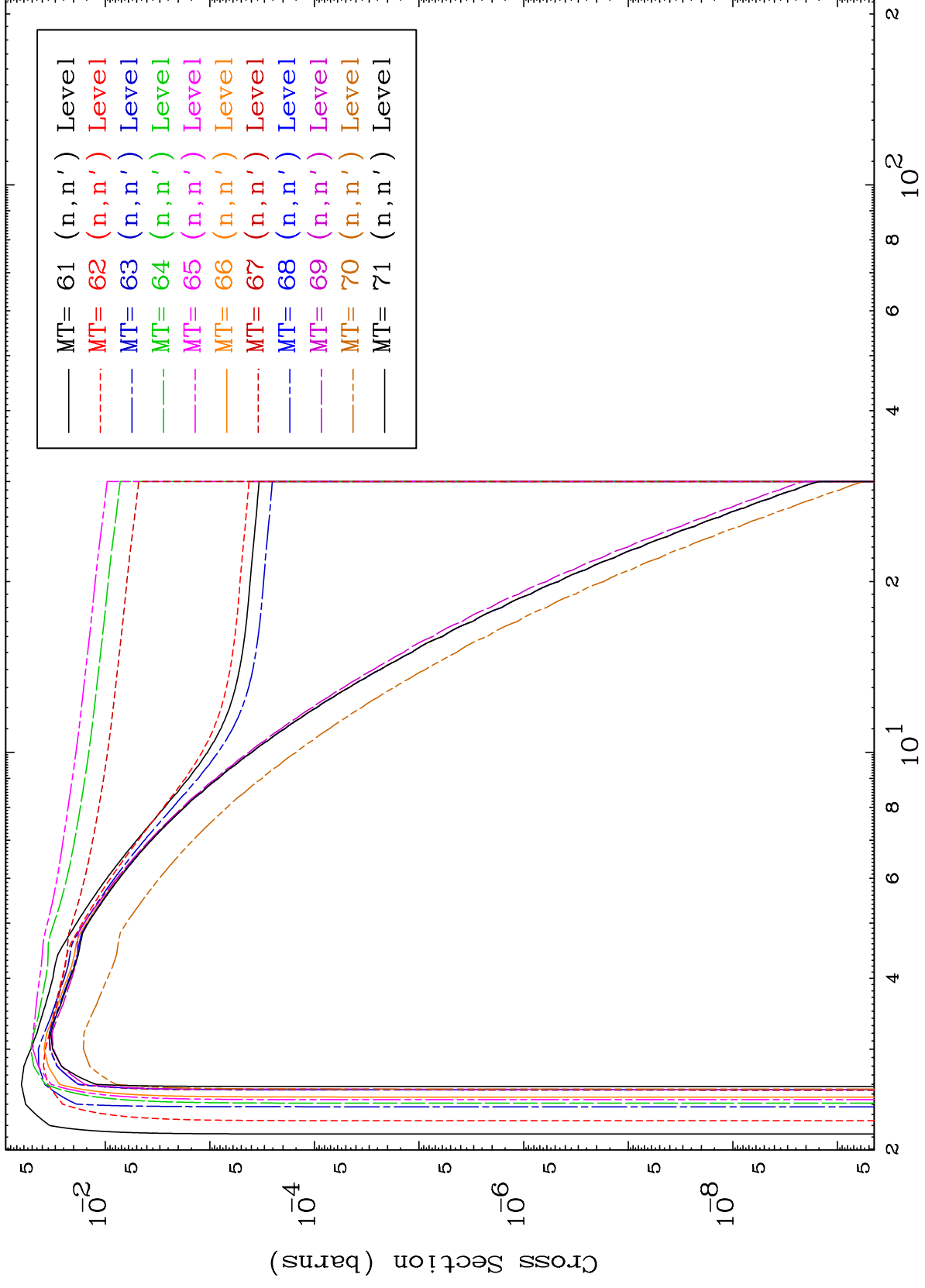


MAT 2925

(n,n') Level

29-Cu-63

293 Kelvin Cross Sections

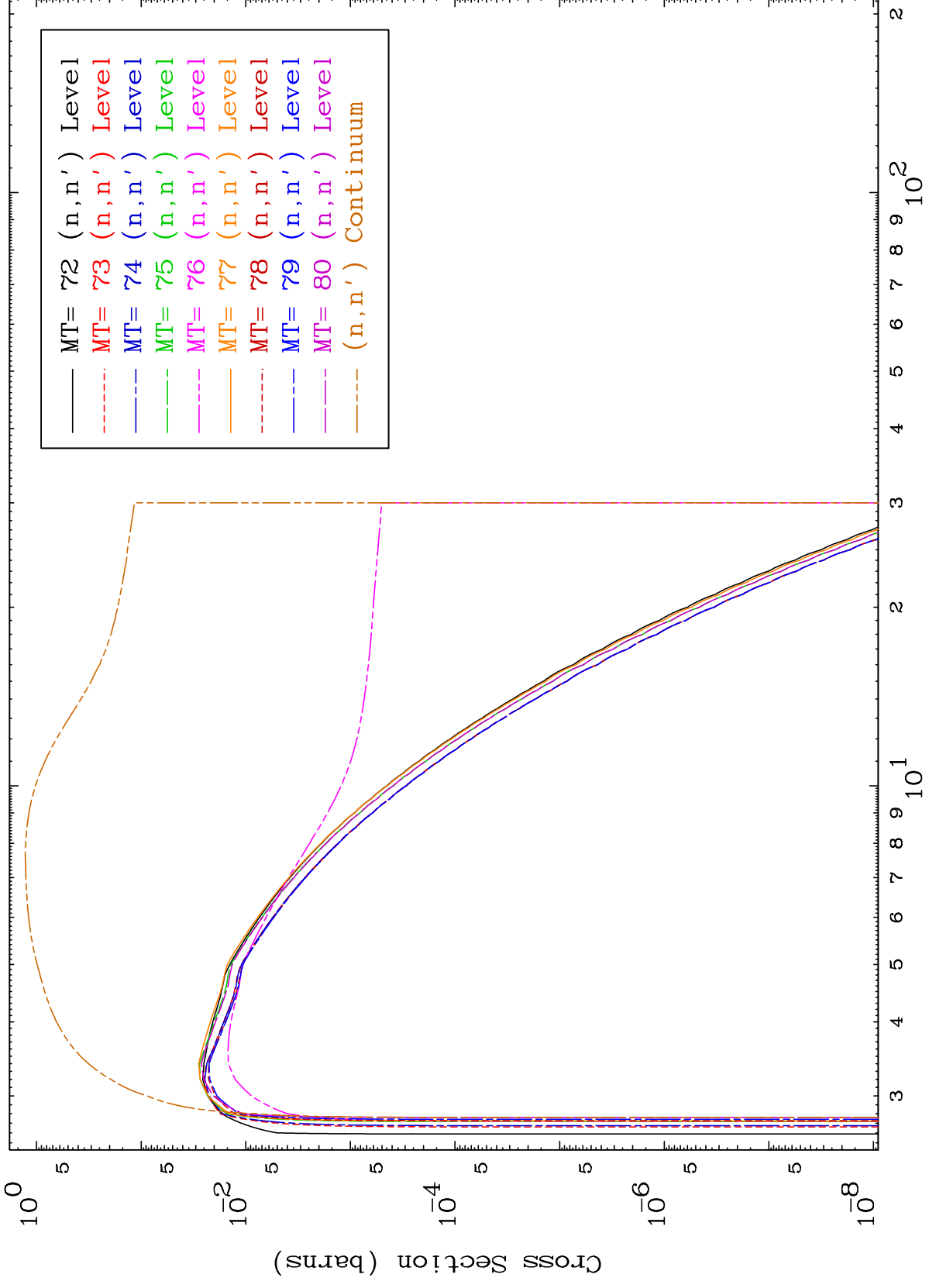


8

Incident Energy (MeV)

29-Cu-63

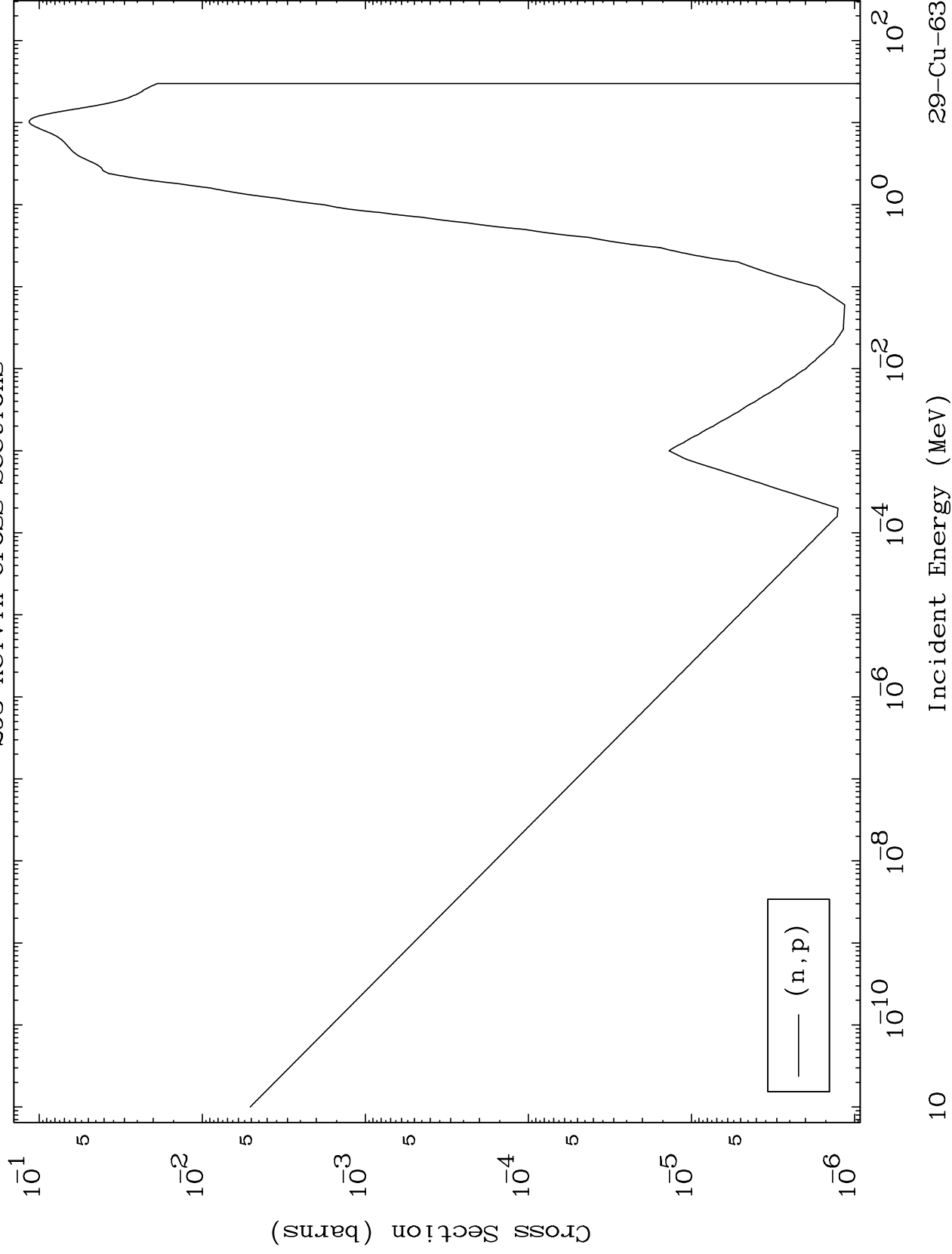
293 Kelvin Cross Sections



MAT 2925

(n,p) Levels
293 Kelvin Cross Sections

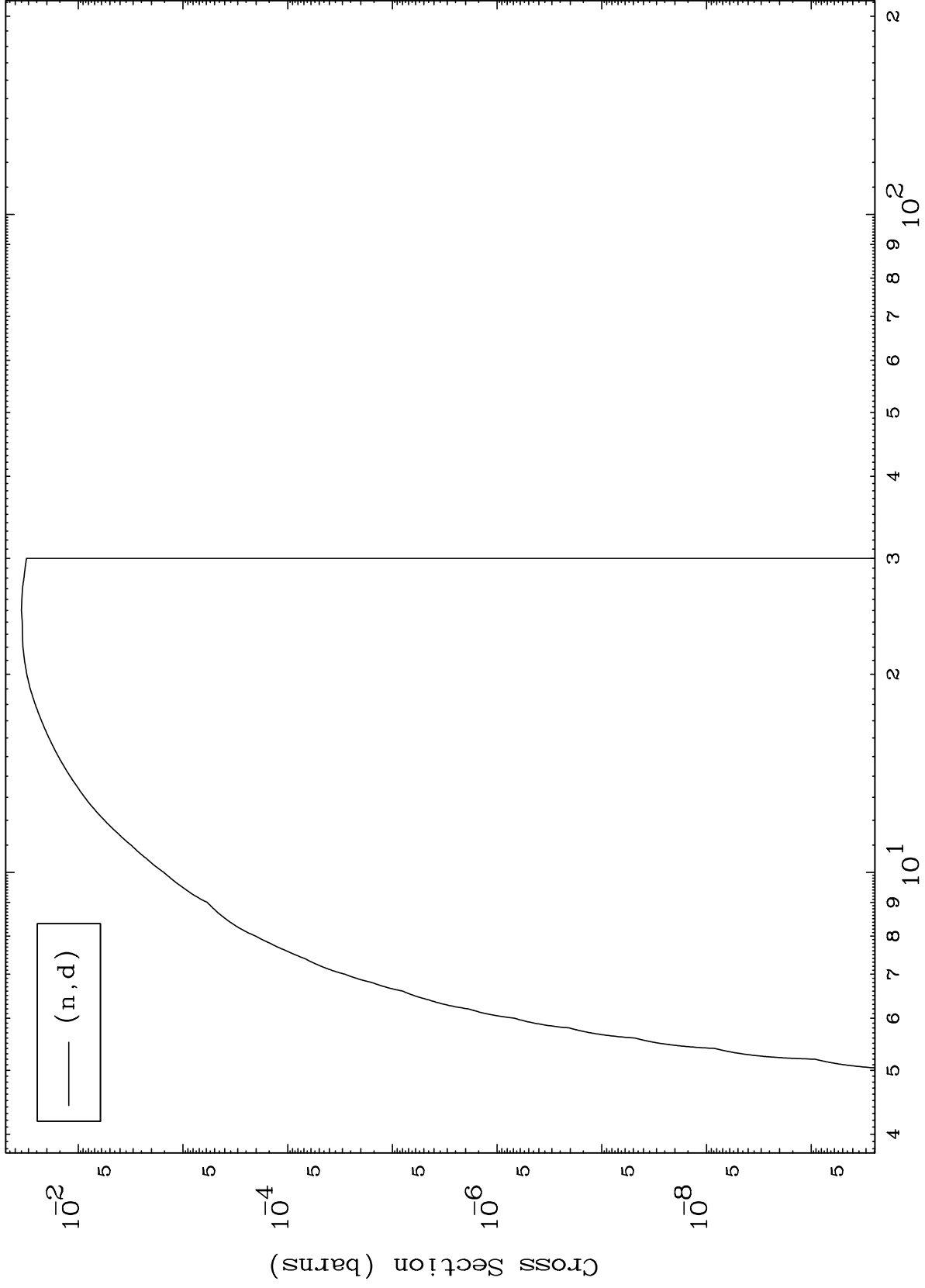
29-Cu-63



MAT 2925

(n,d) Levels
293 Kelvin Cross Sections

29-Cu-63



(n,d)

11

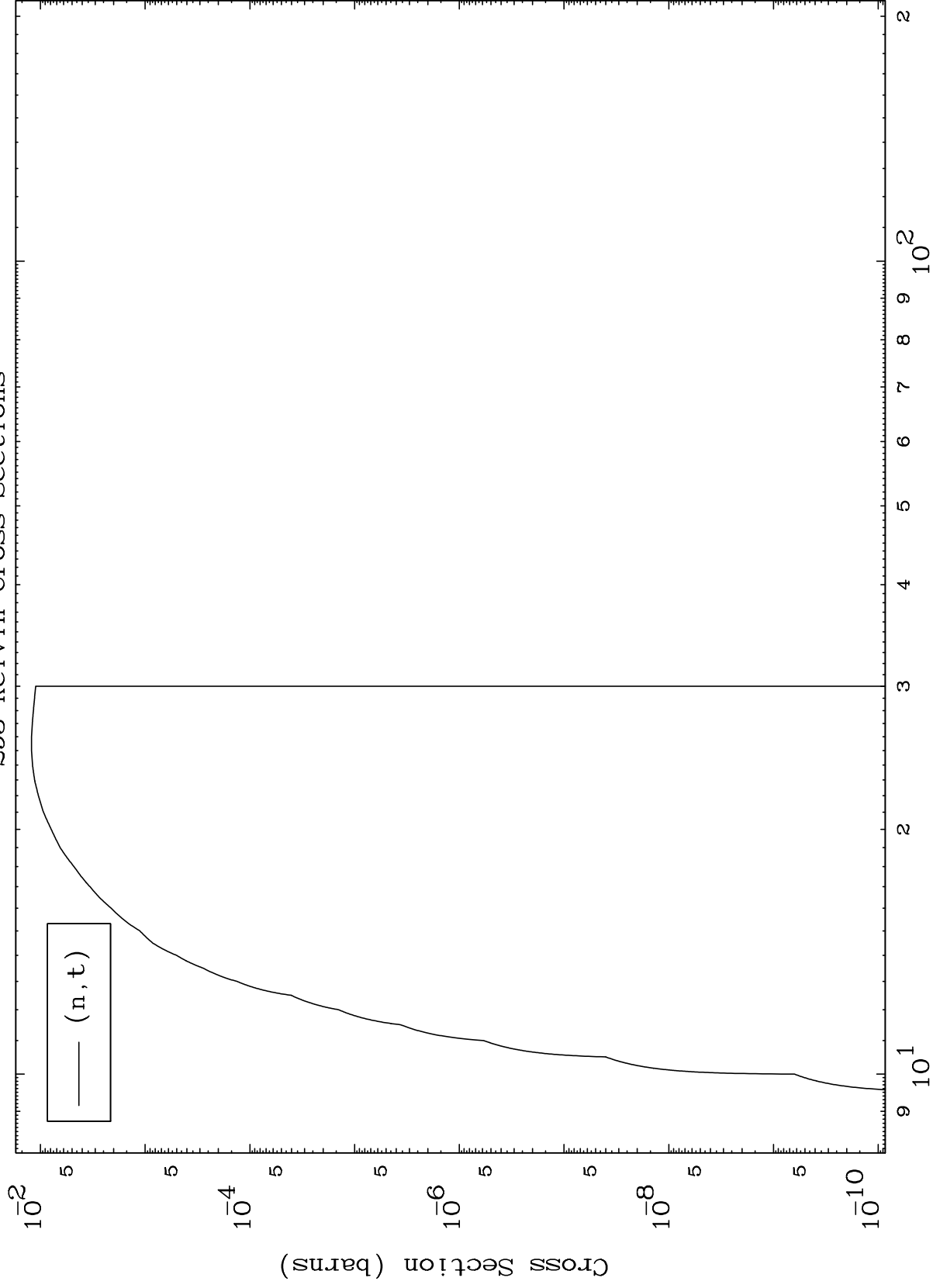
Incident Energy (MeV)

29-Cu-63

MAT 2925

(n,t) Levels
293 Kelvin Cross Sections

29-Cu-63



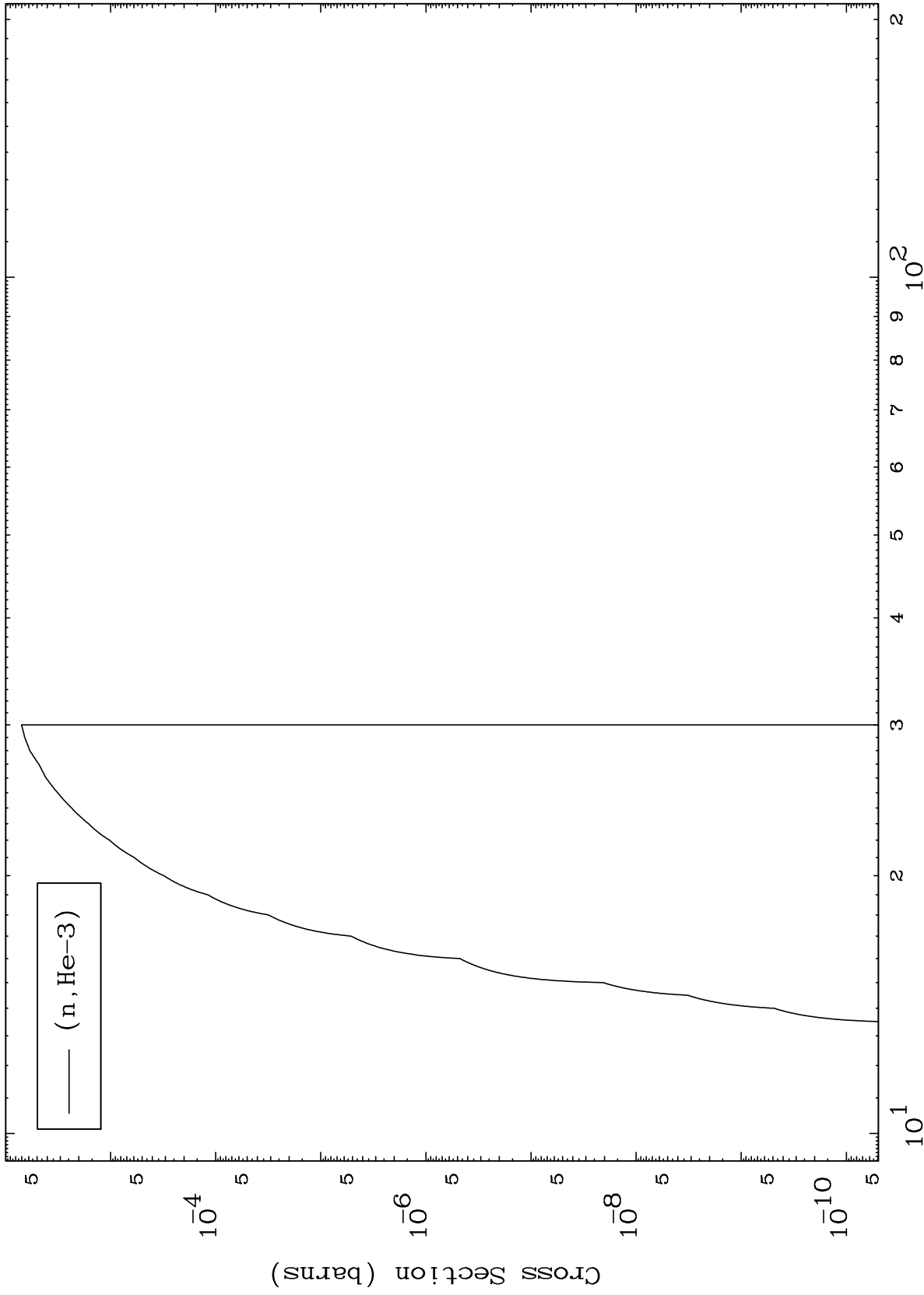
12

29-Cu-63

MAT 2925

(n,He3) Levels
293 Kelvin Cross Sections

29-Cu-63



13

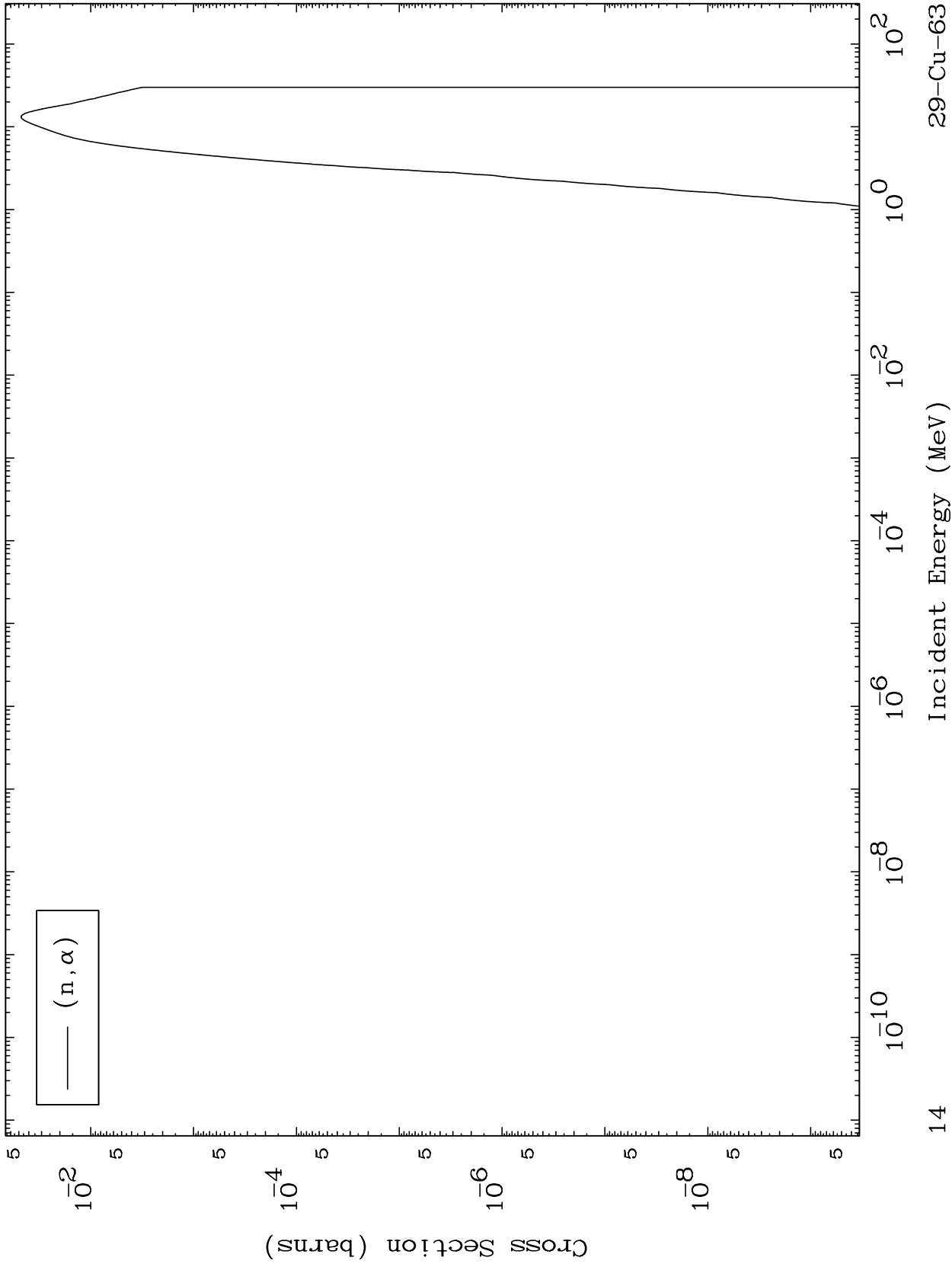
Incident Energy (MeV)

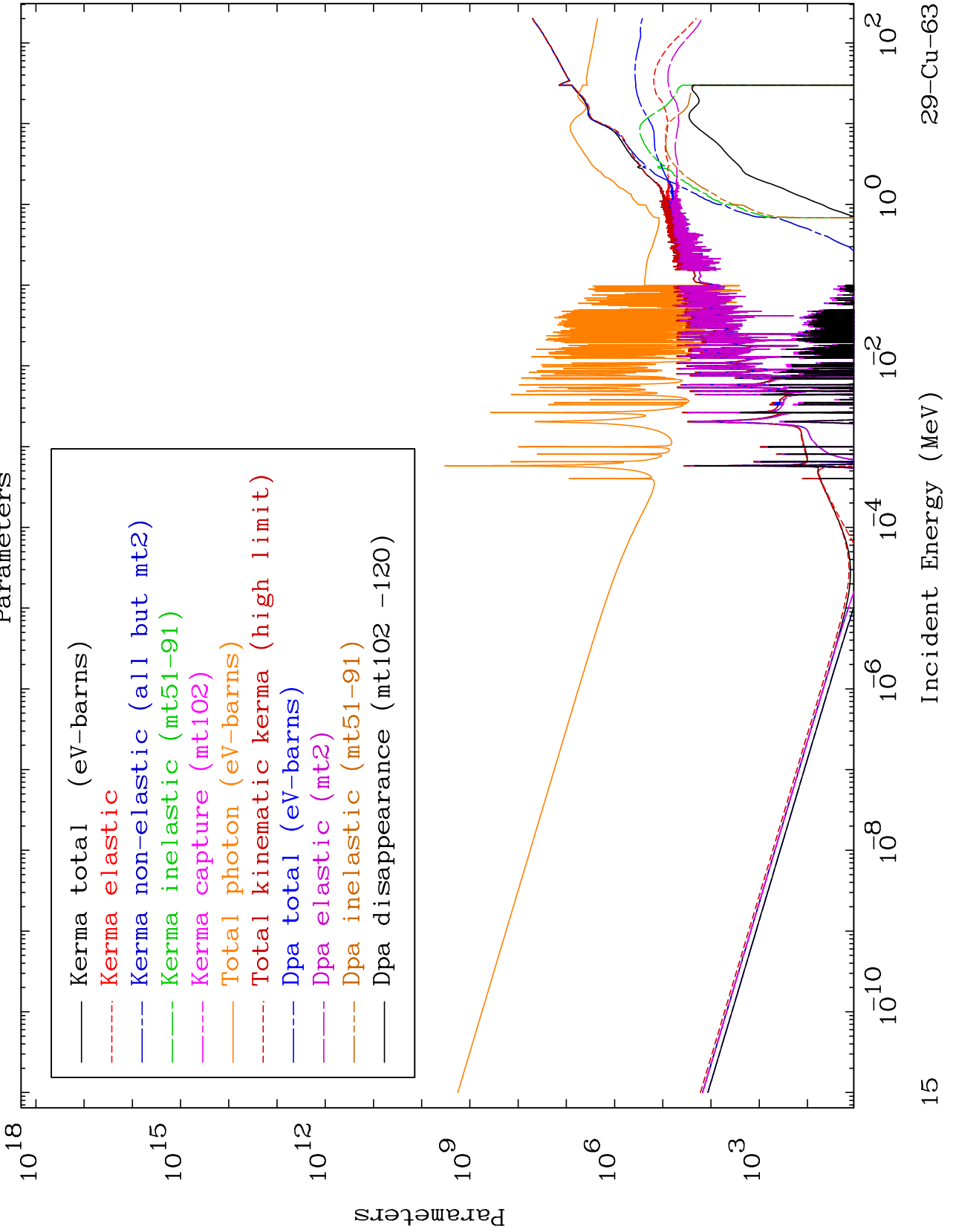
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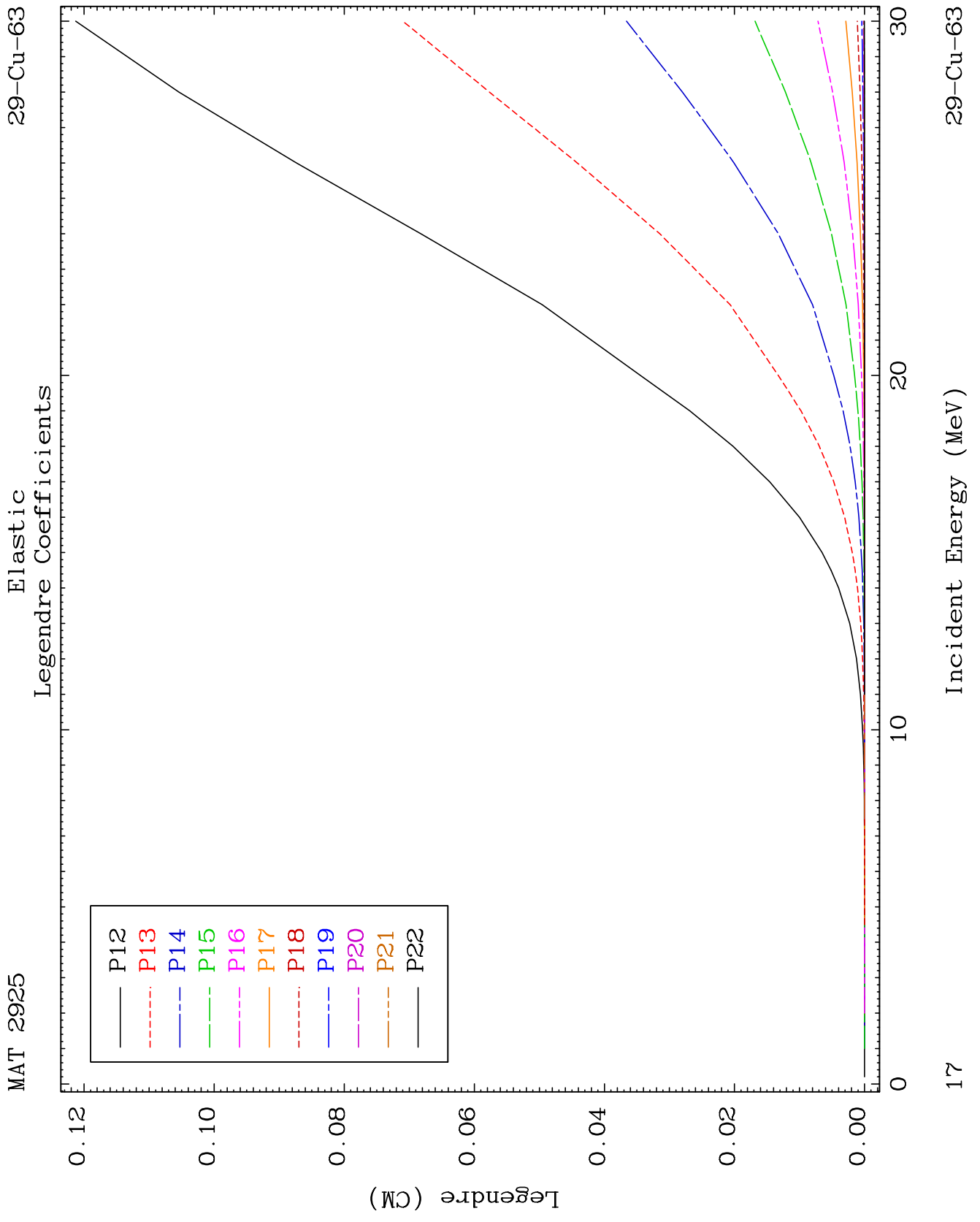
MAT 2925

(n, α) Levels
293 Kelvin Cross Sections

29-Cu-63



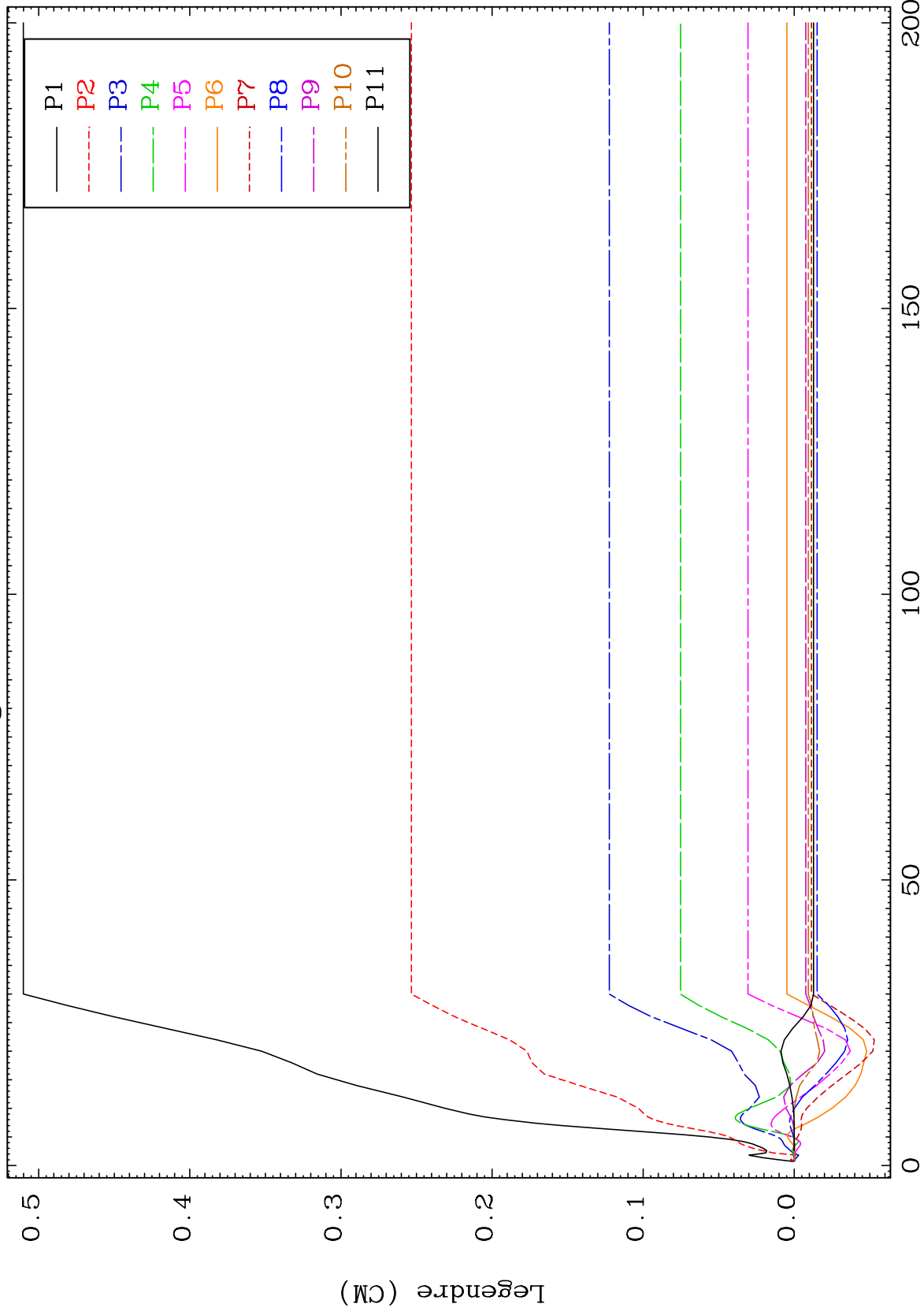




MAT 2925

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

29-Cu-63



19

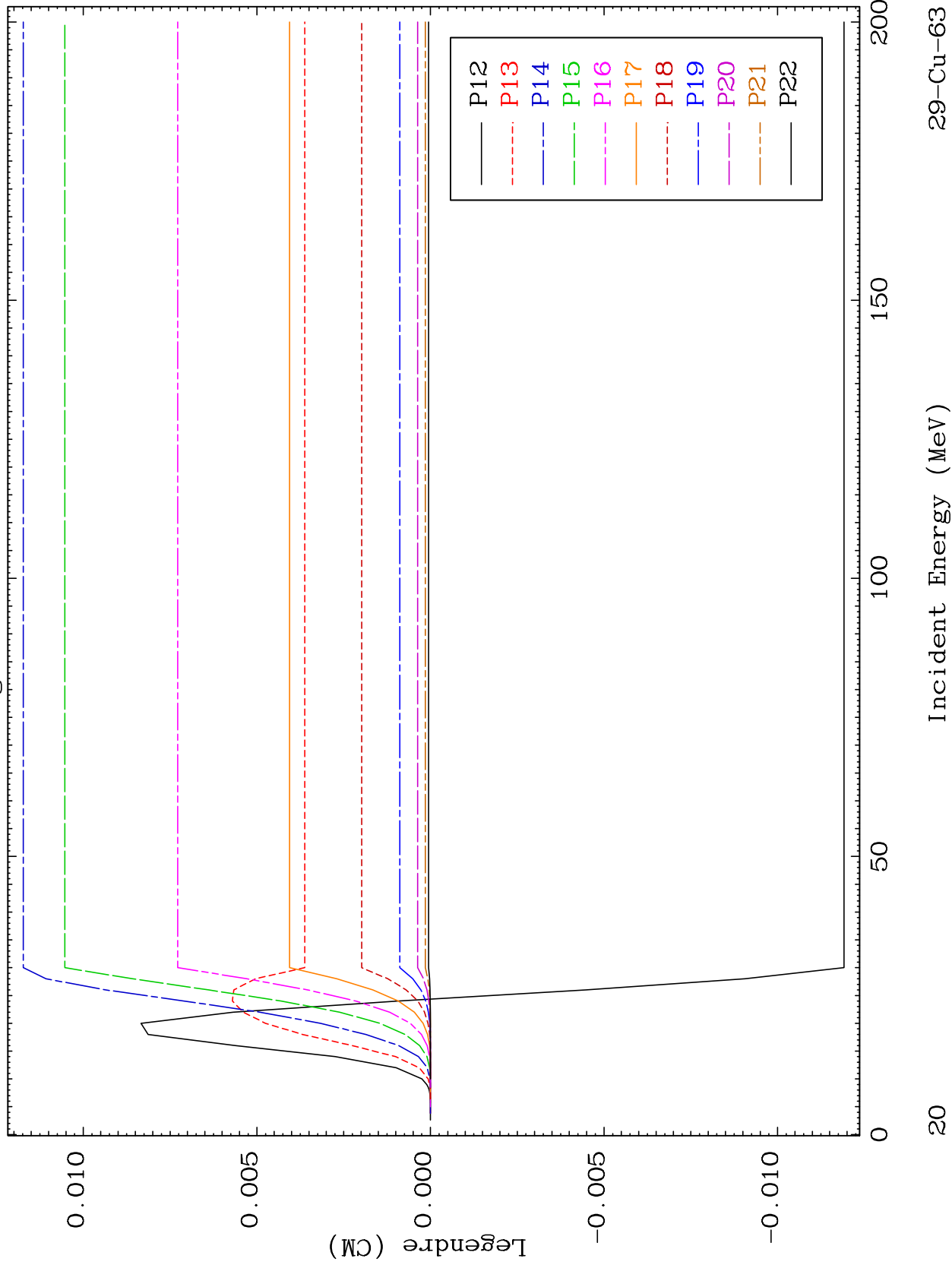
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

29-Cu-63



29-Cu-63

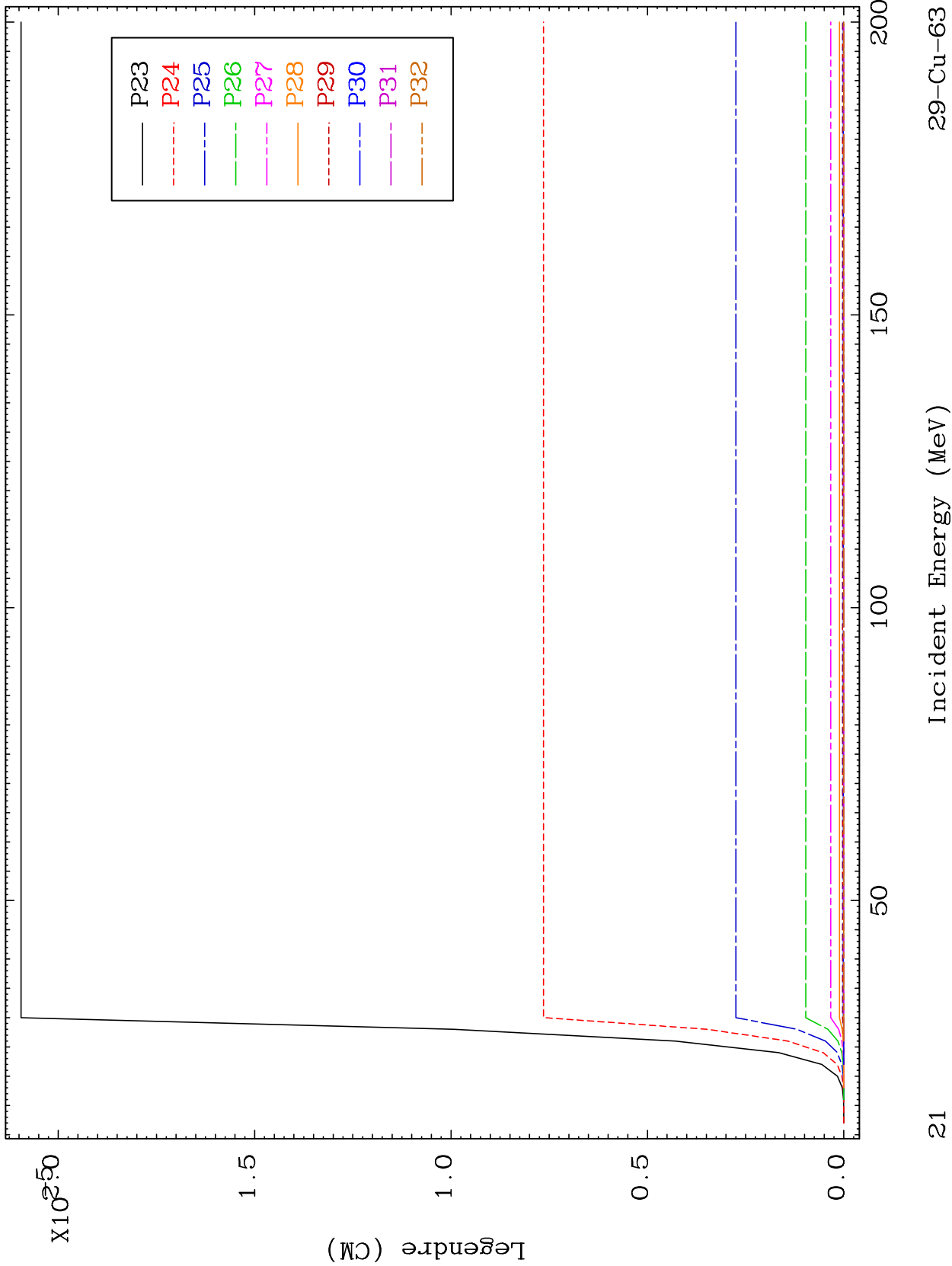
Incident Energy (MeV)

20

MAT 2925

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

29-Cu-63



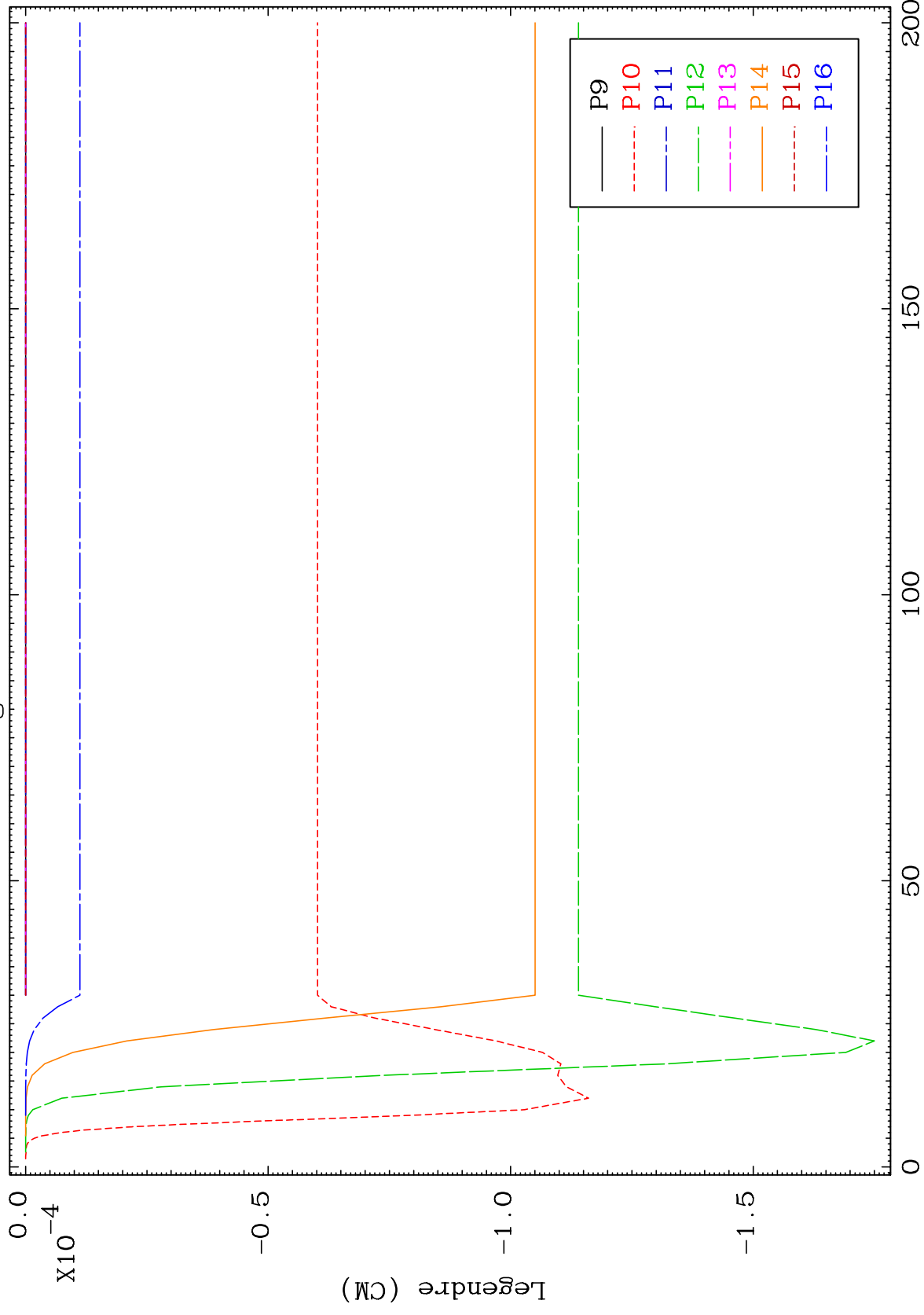
21

29-Cu-63

MAT 2925

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

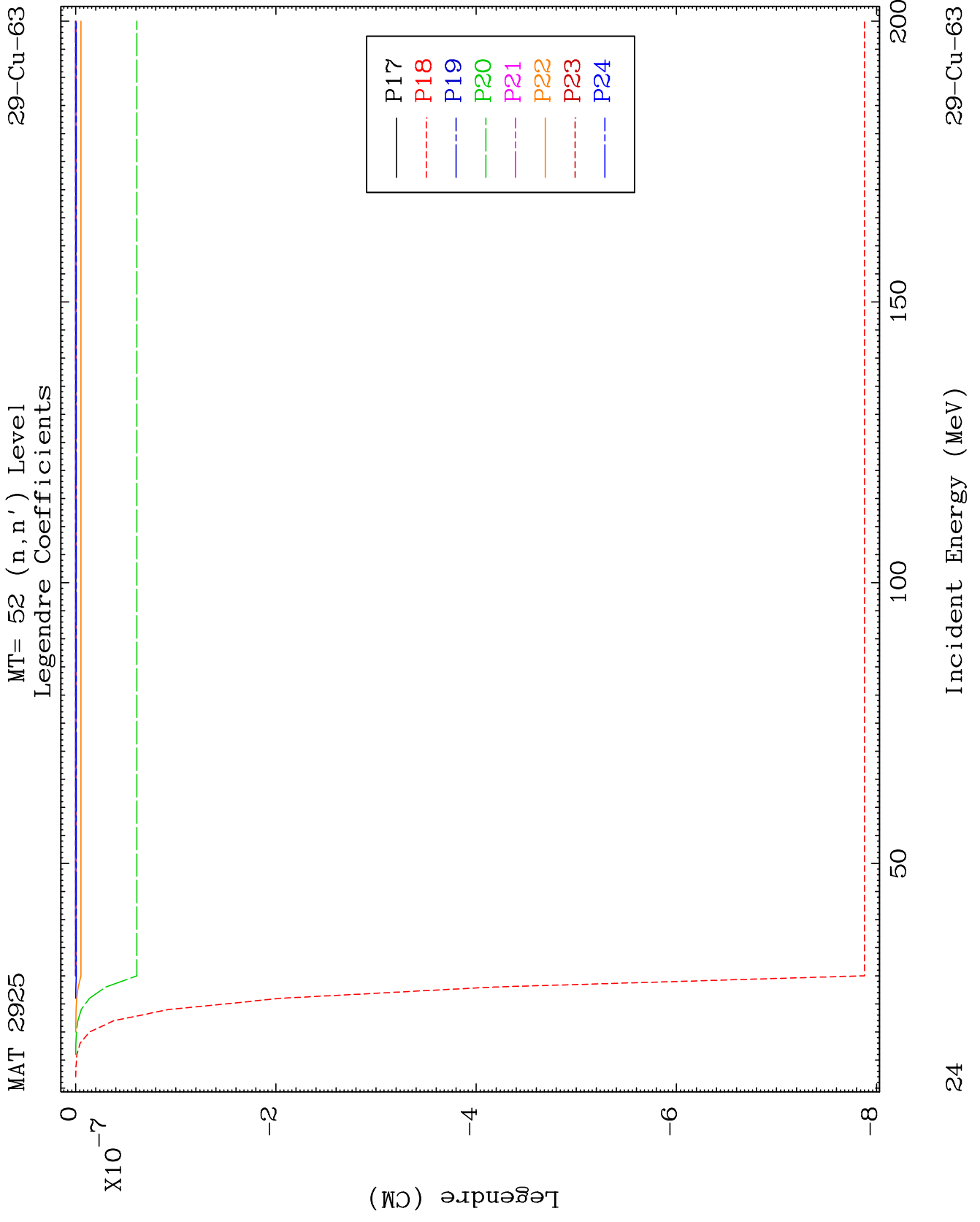
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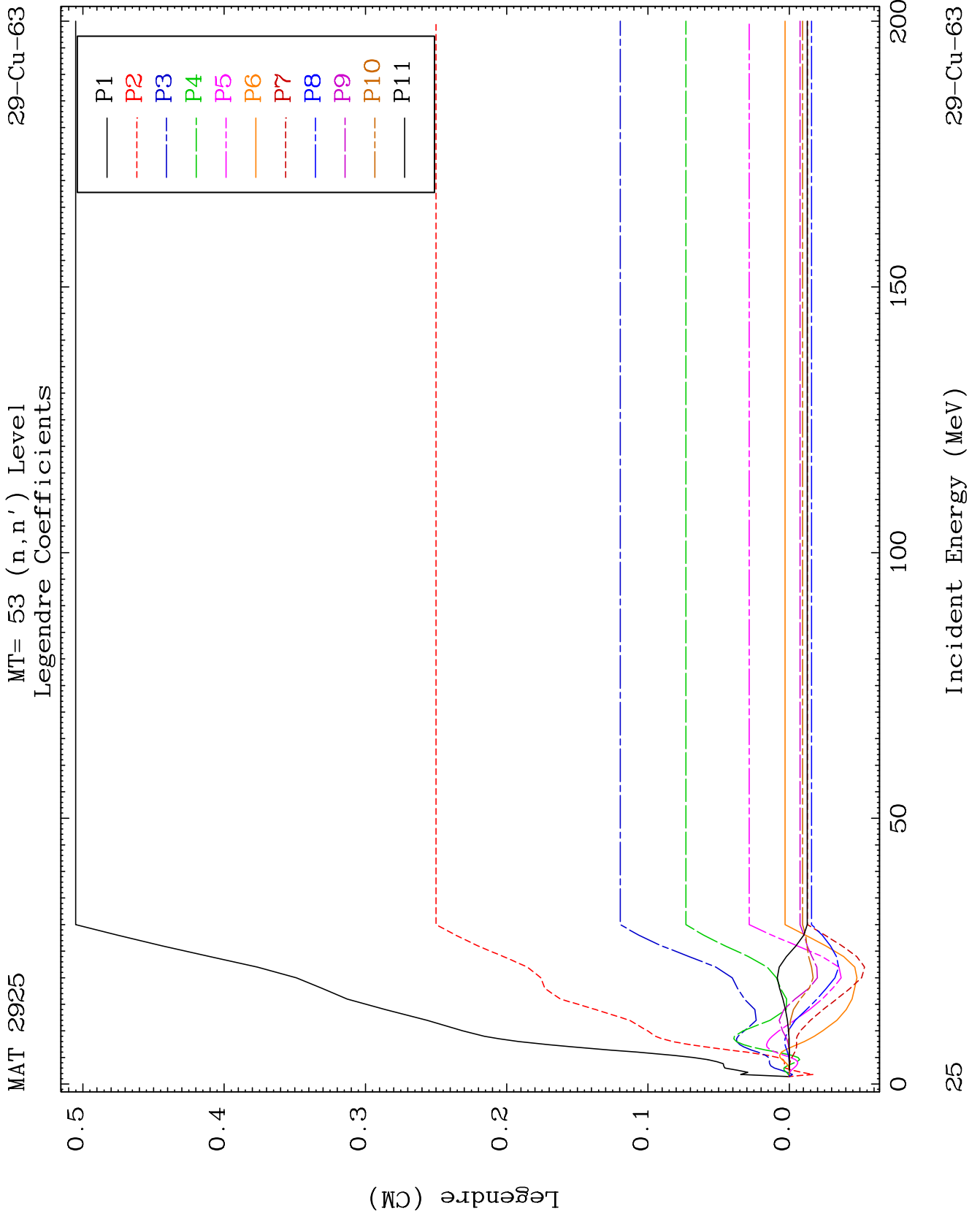


29-Cu-63

Incident Energy (MeV)

23

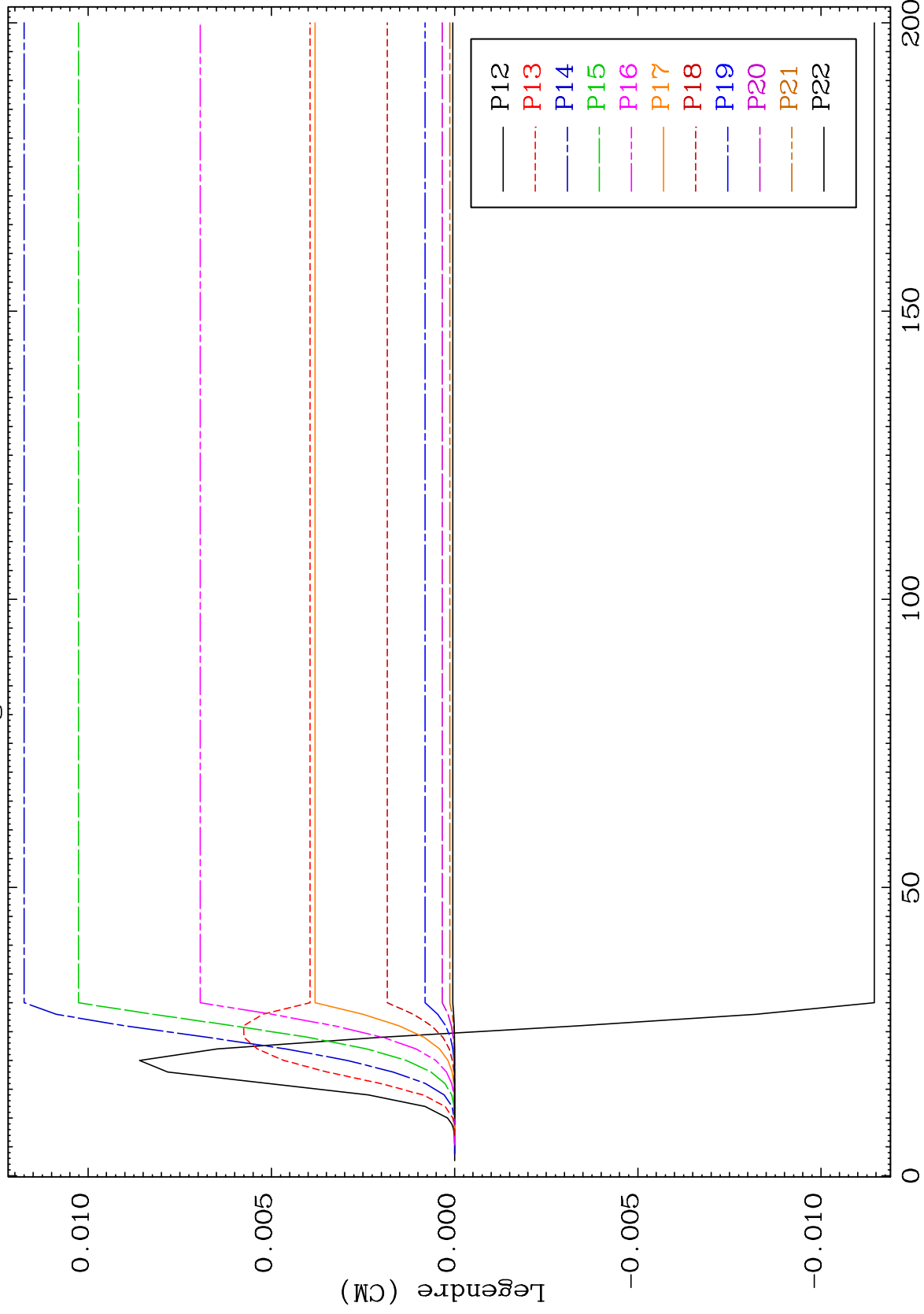




MAT 2925

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

29-Cu-63



26

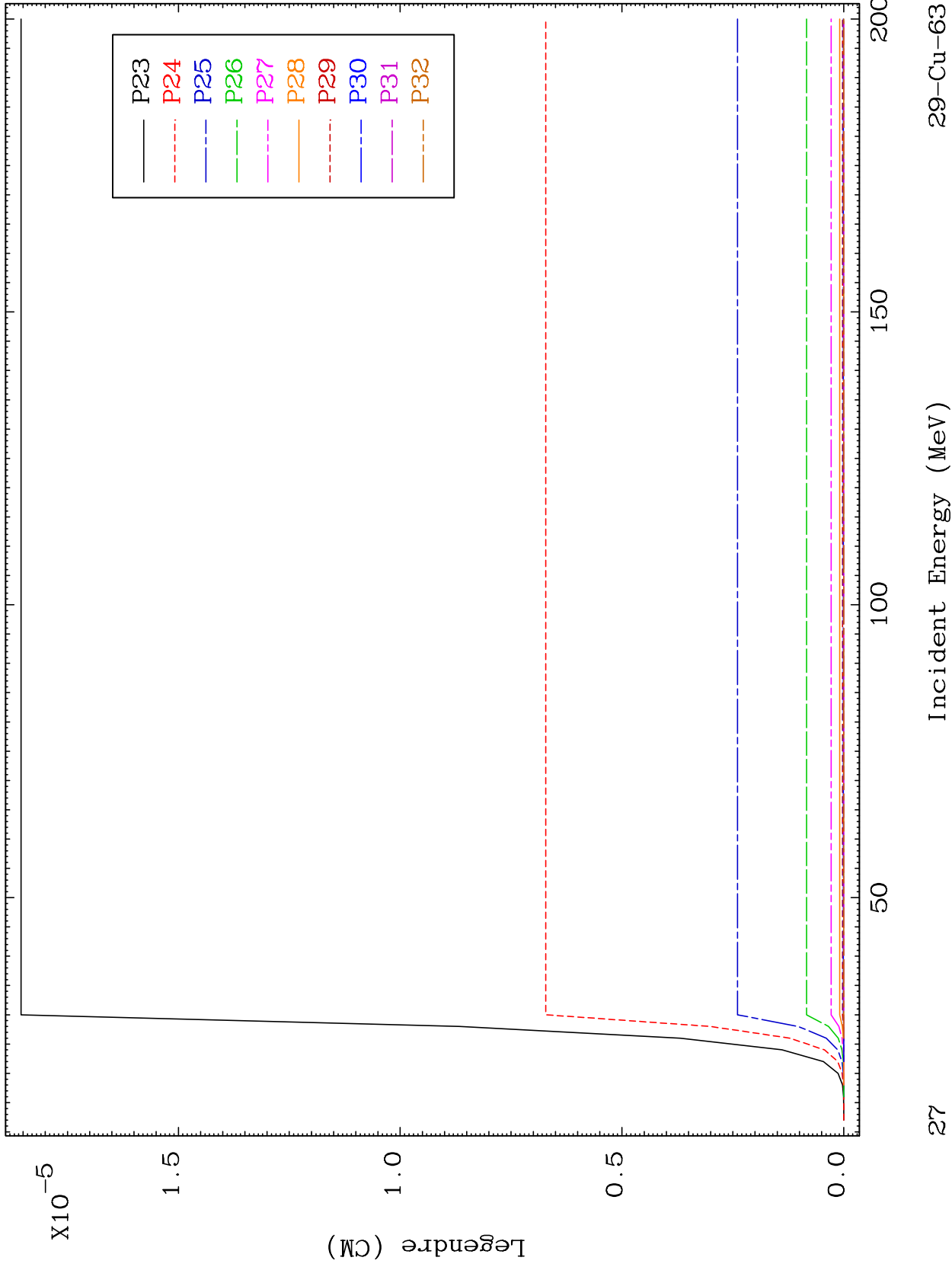
Incident Energy (MeV)

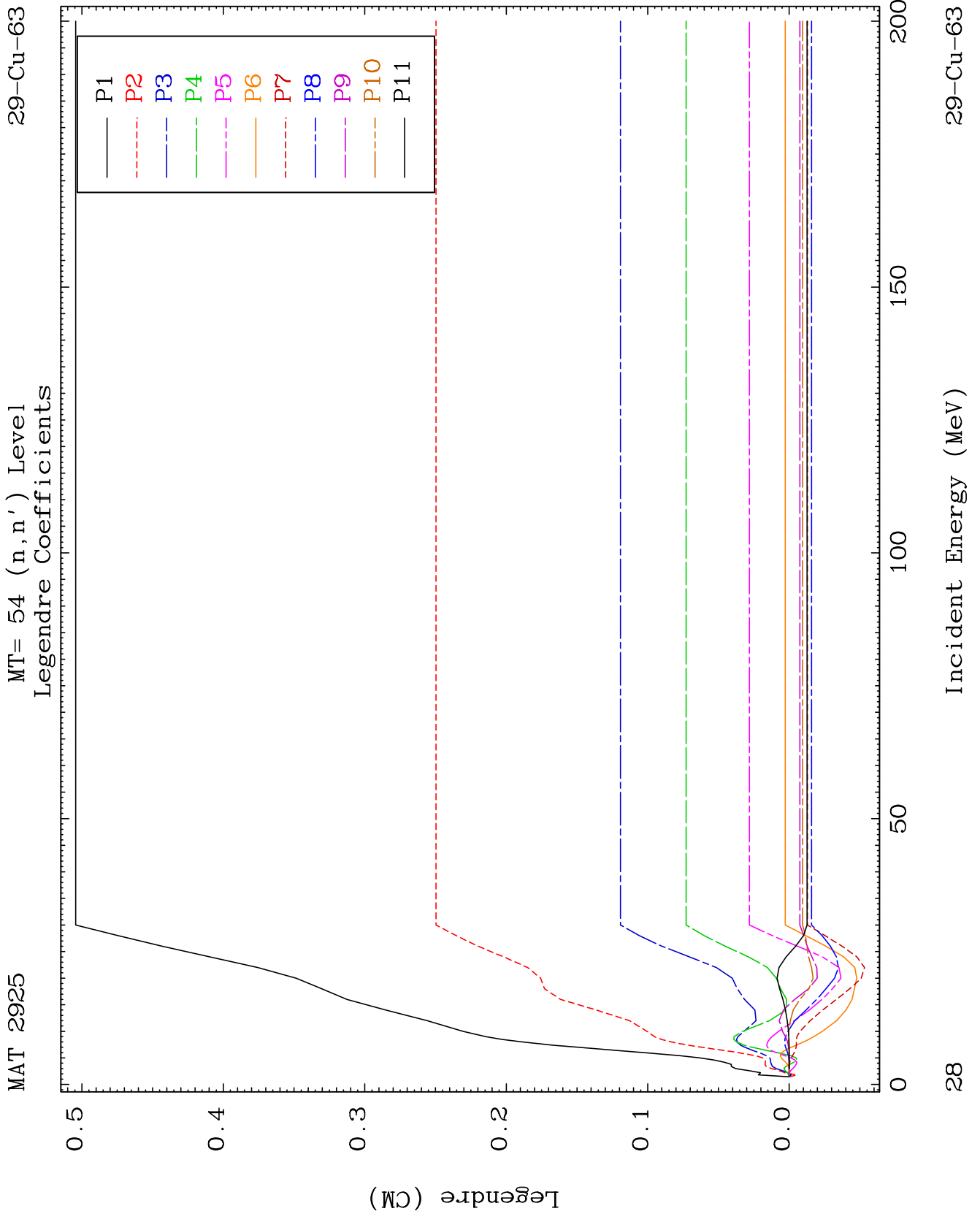
29-Cu-63

MAT 2925

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

29-Cu-63

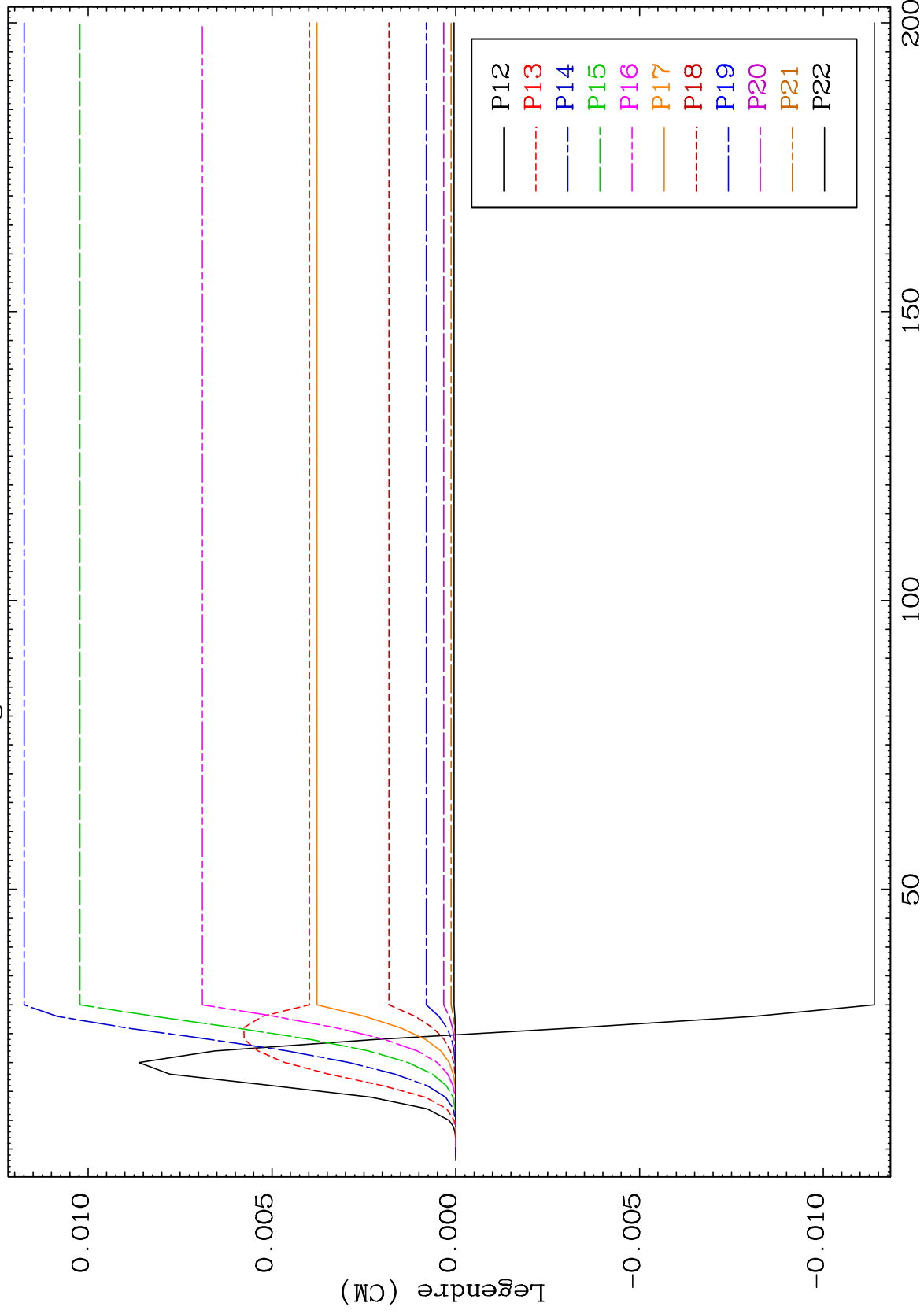




MAT 2925

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

29-Cu-63



29

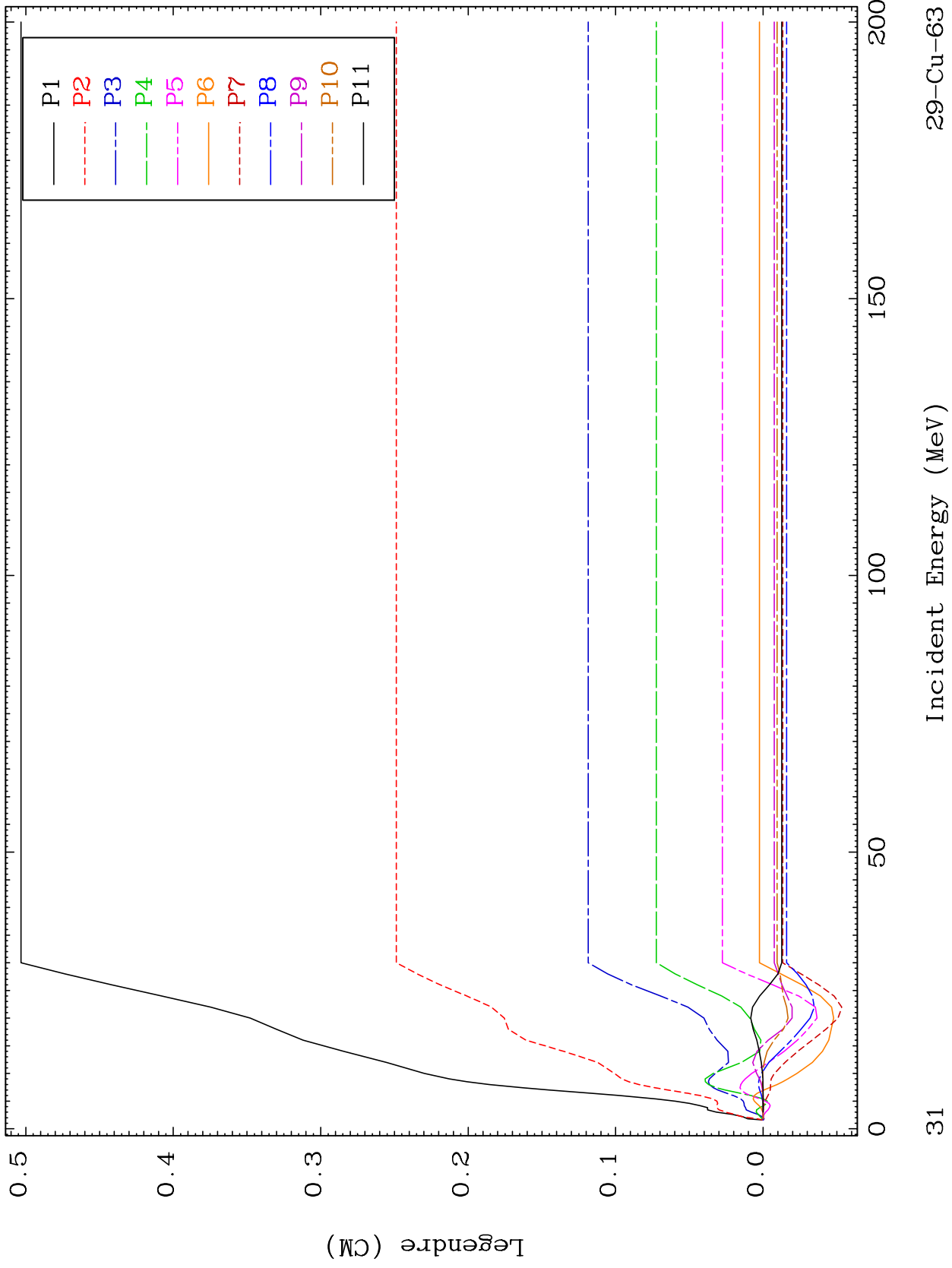
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

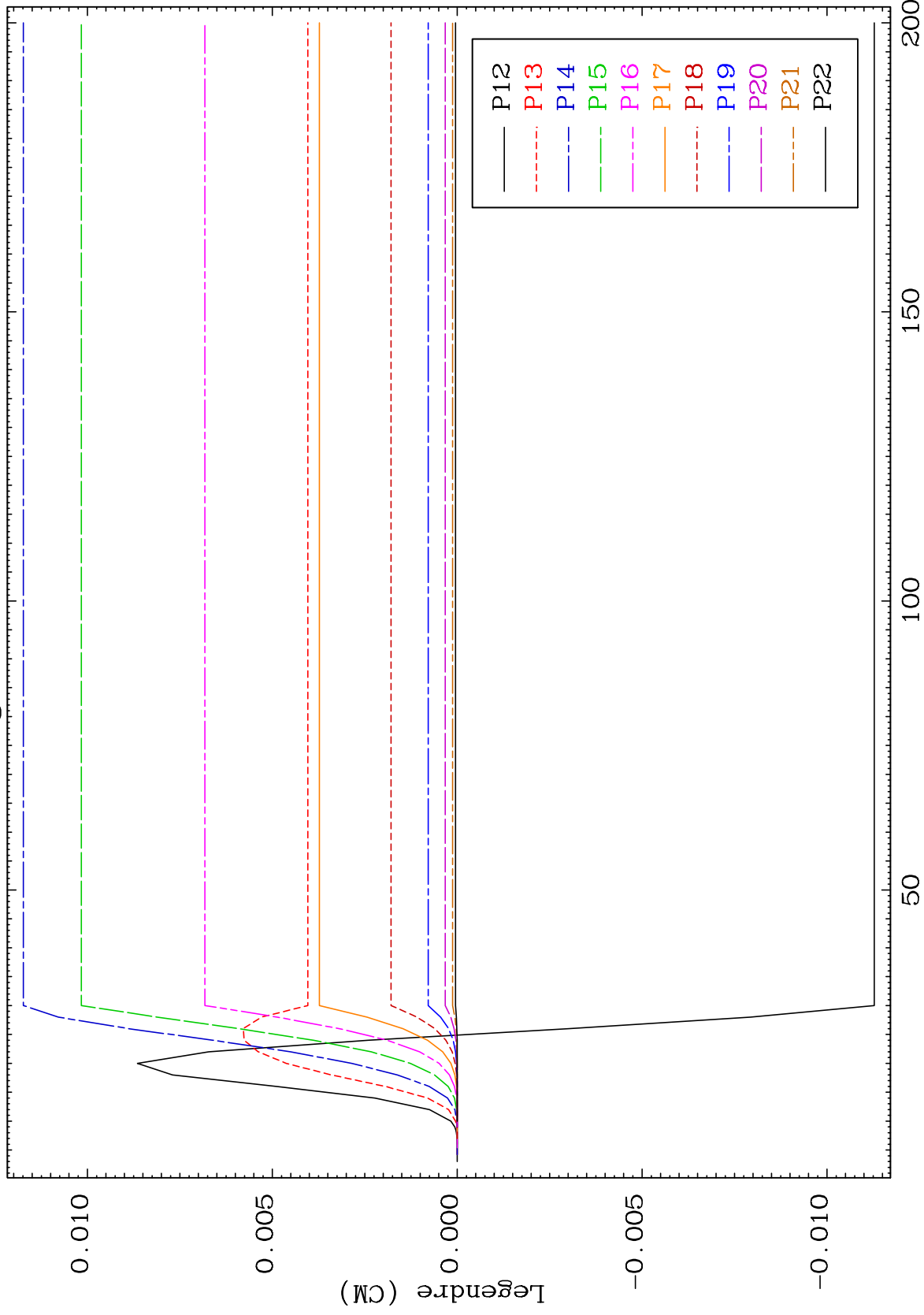
29-Cu-63



MAT 2925

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

29-Cu-63



32

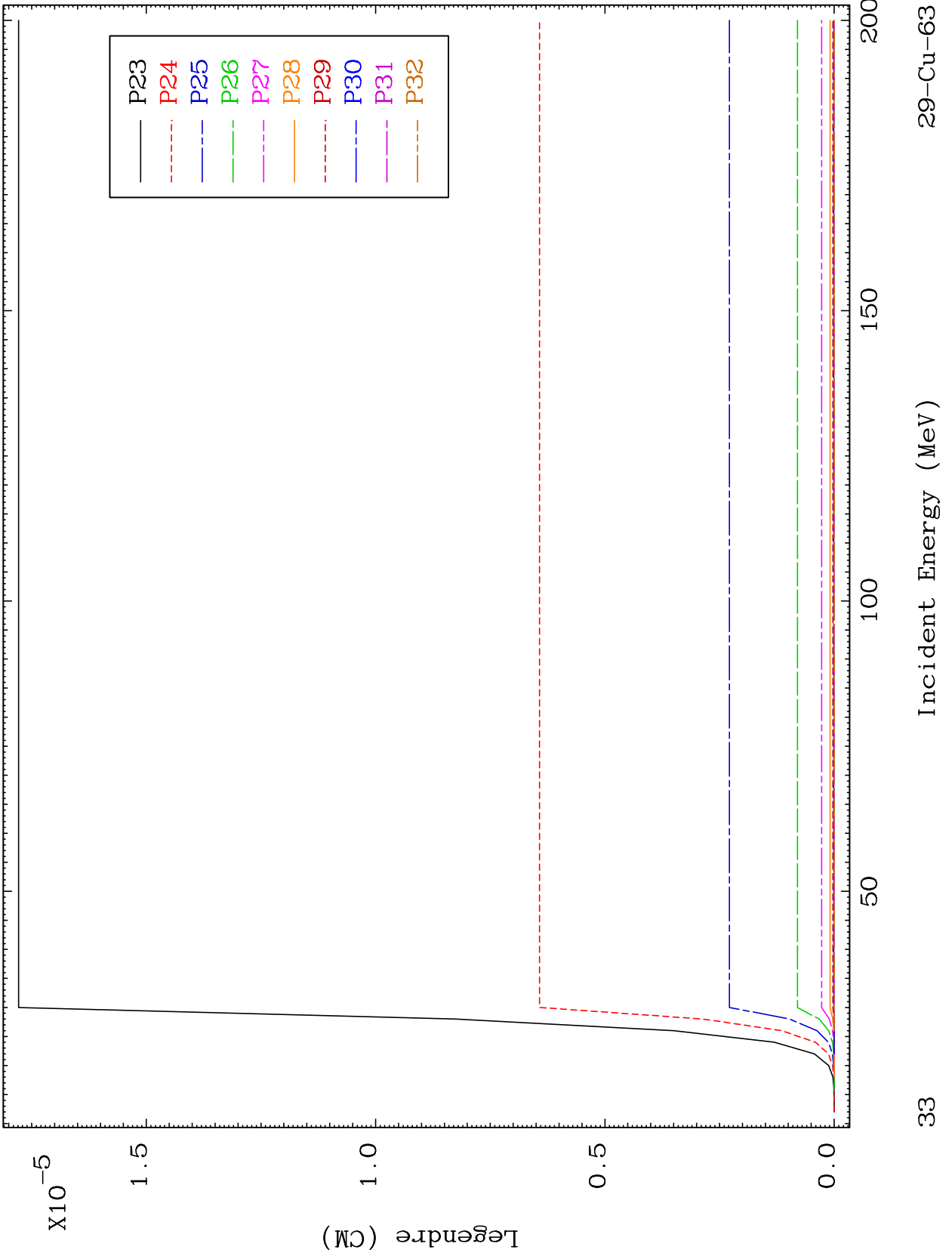
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

29-Cu-63

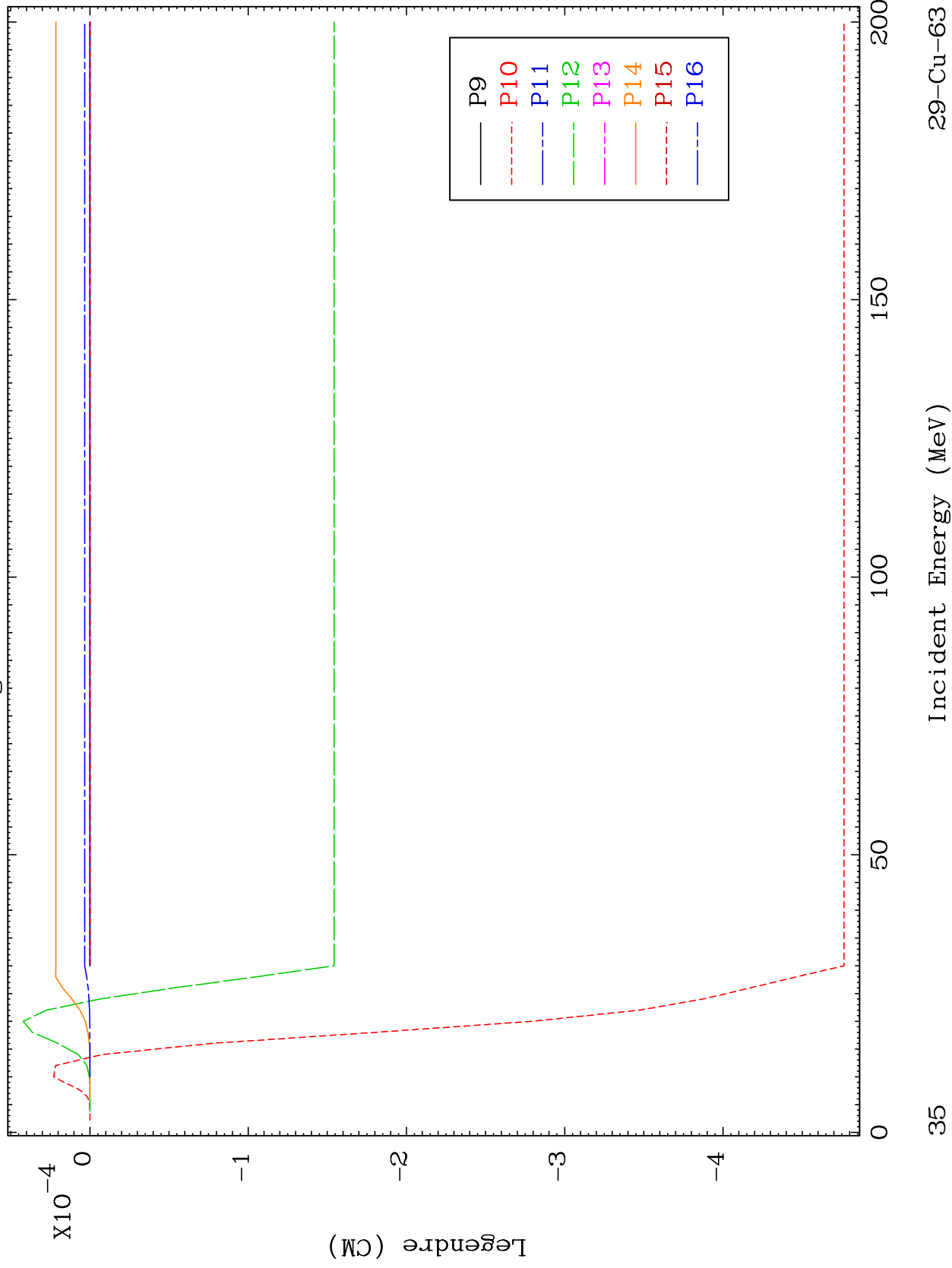


33

MAT 2925

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

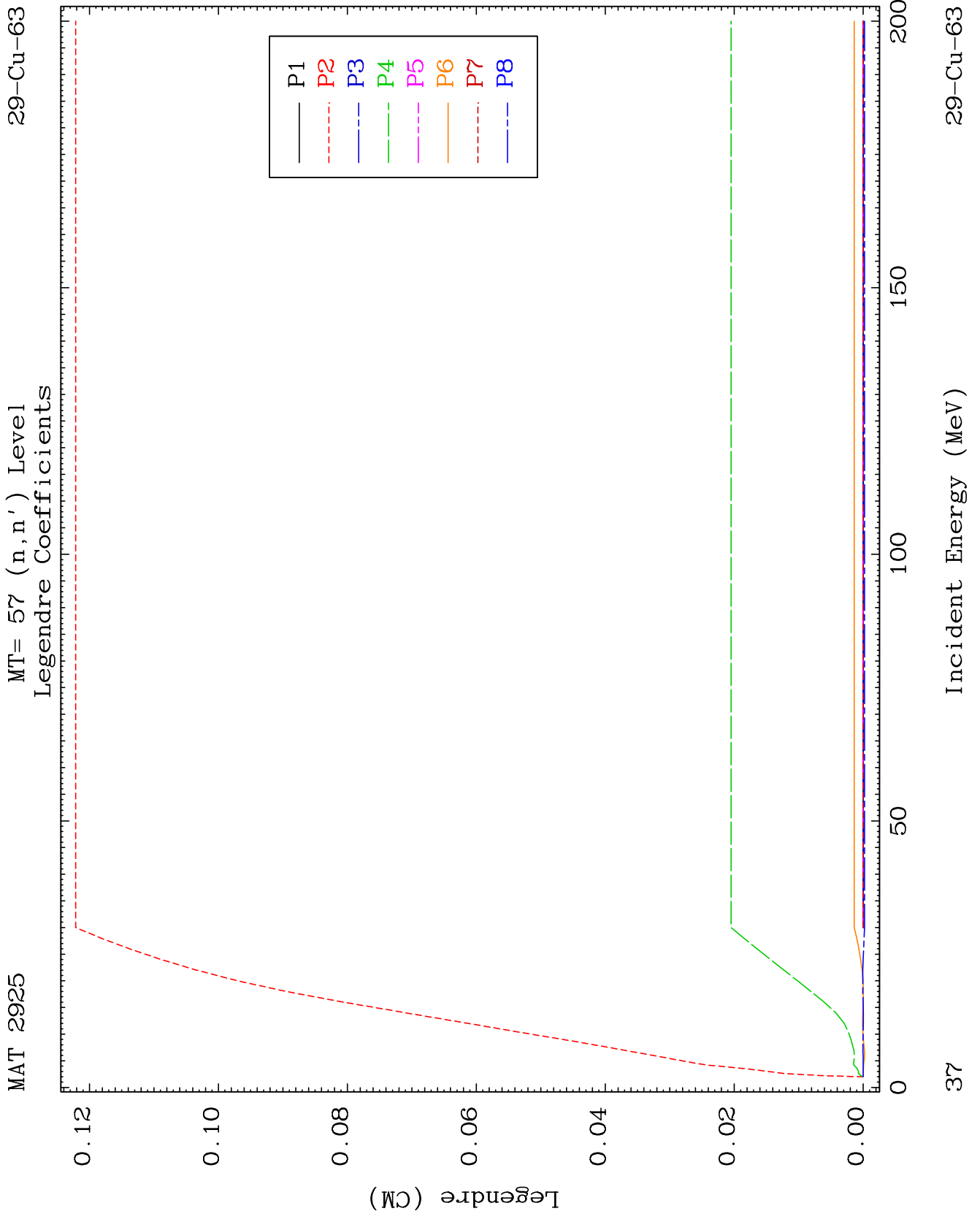
29-Cu-63



29-Cu-63

Incident Energy (MeV)

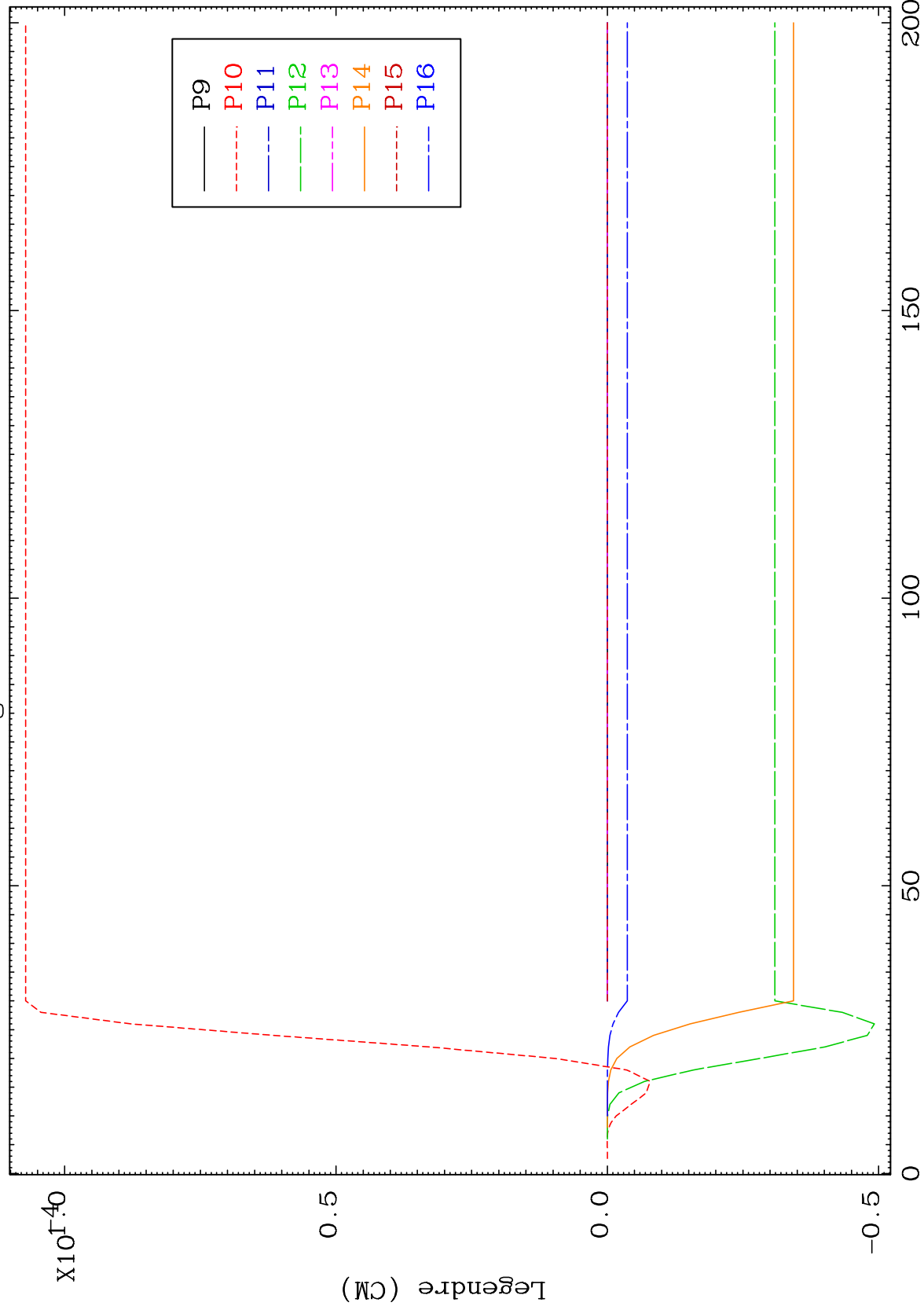
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MAT 2925

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

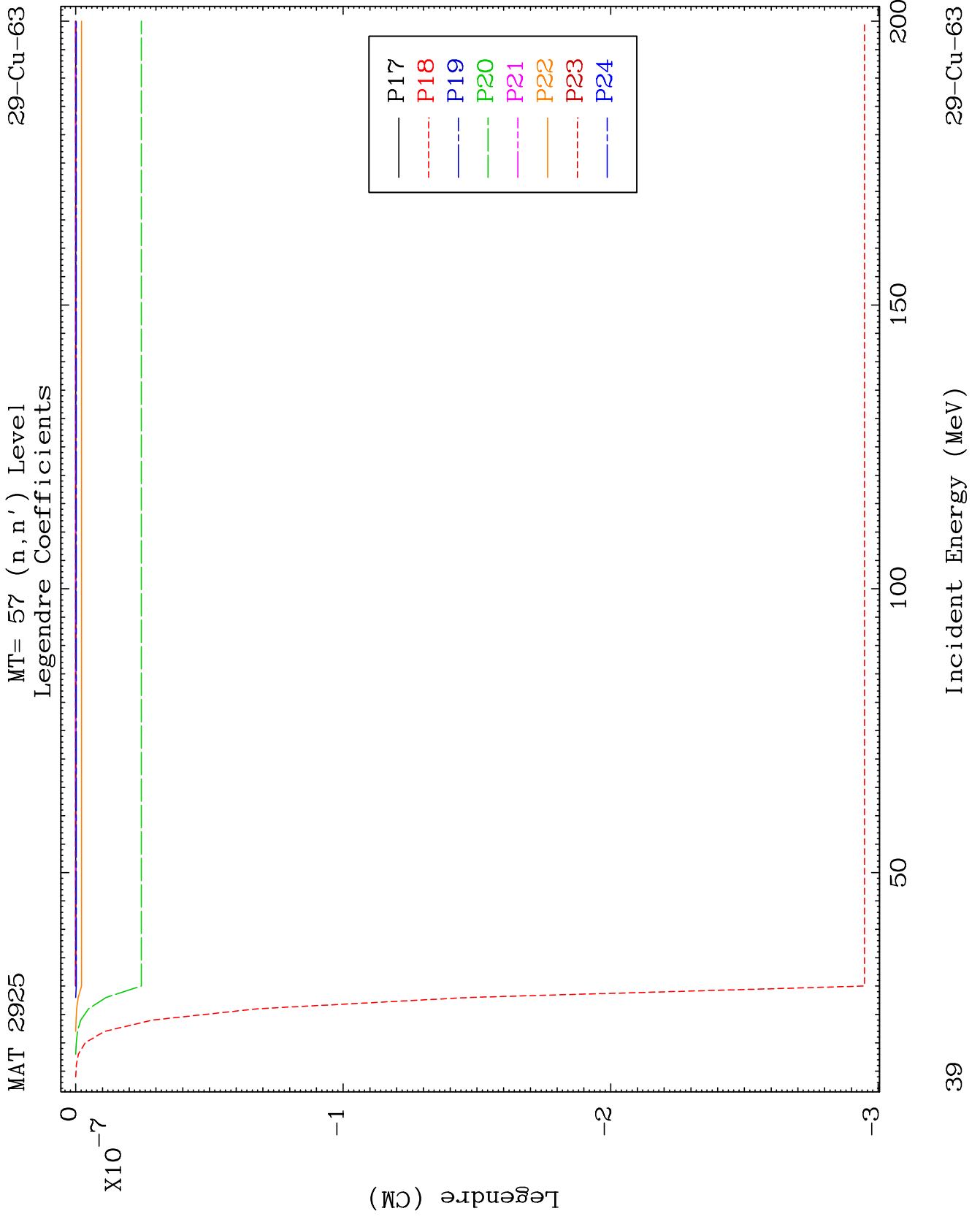
29-Cu-63



38

Incident Energy (MeV)

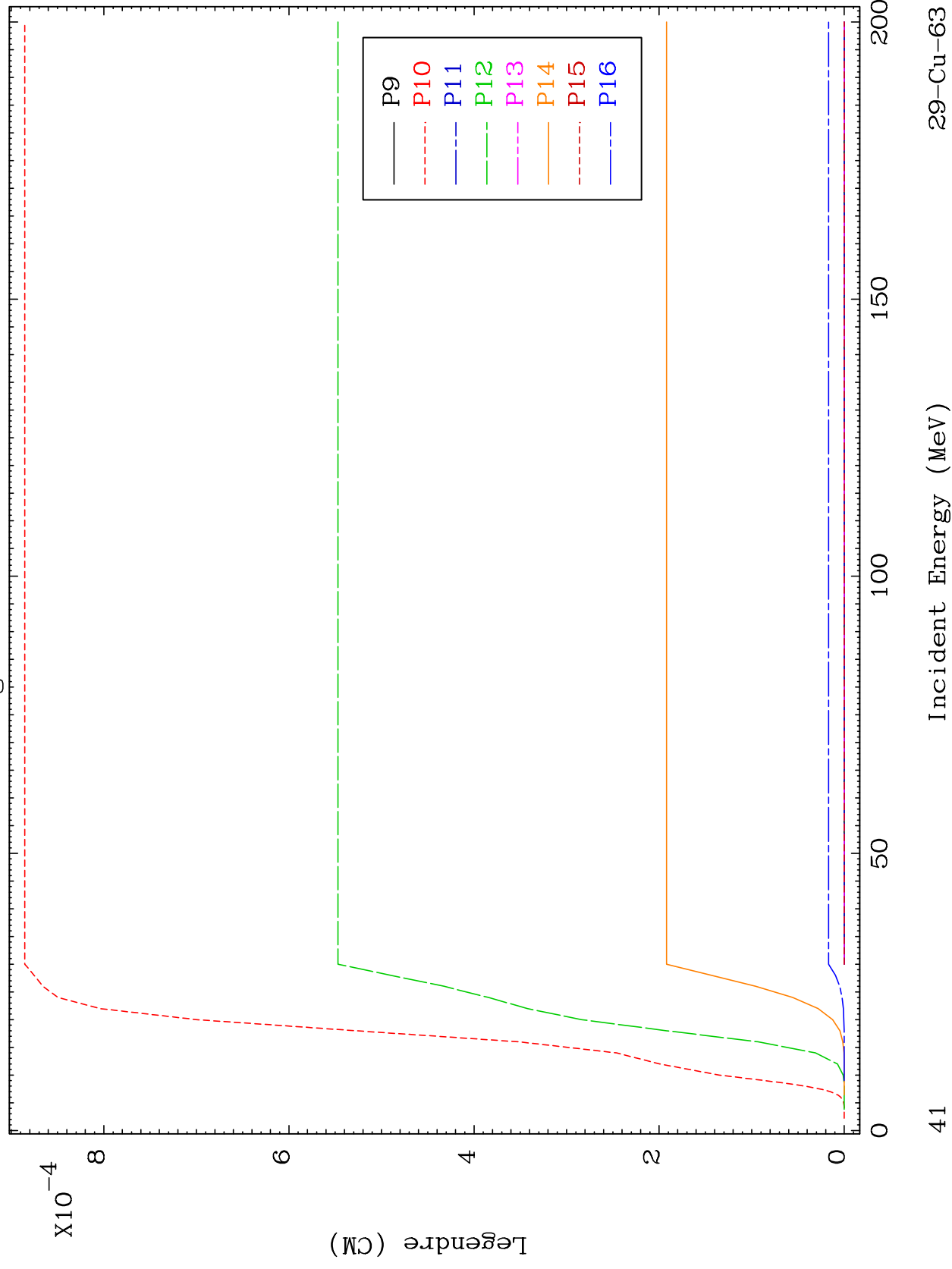
29-Cu-63



MAT 2925

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

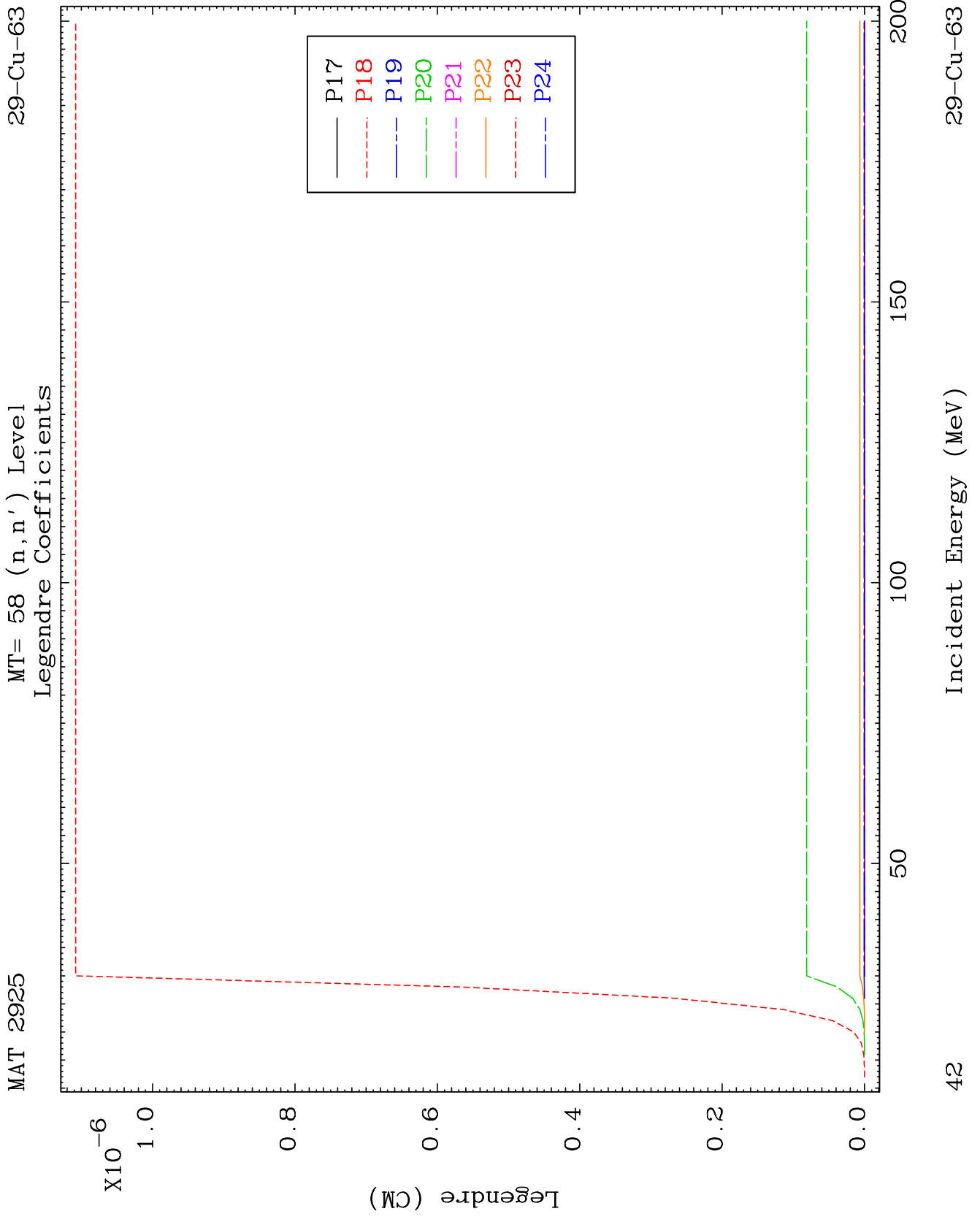
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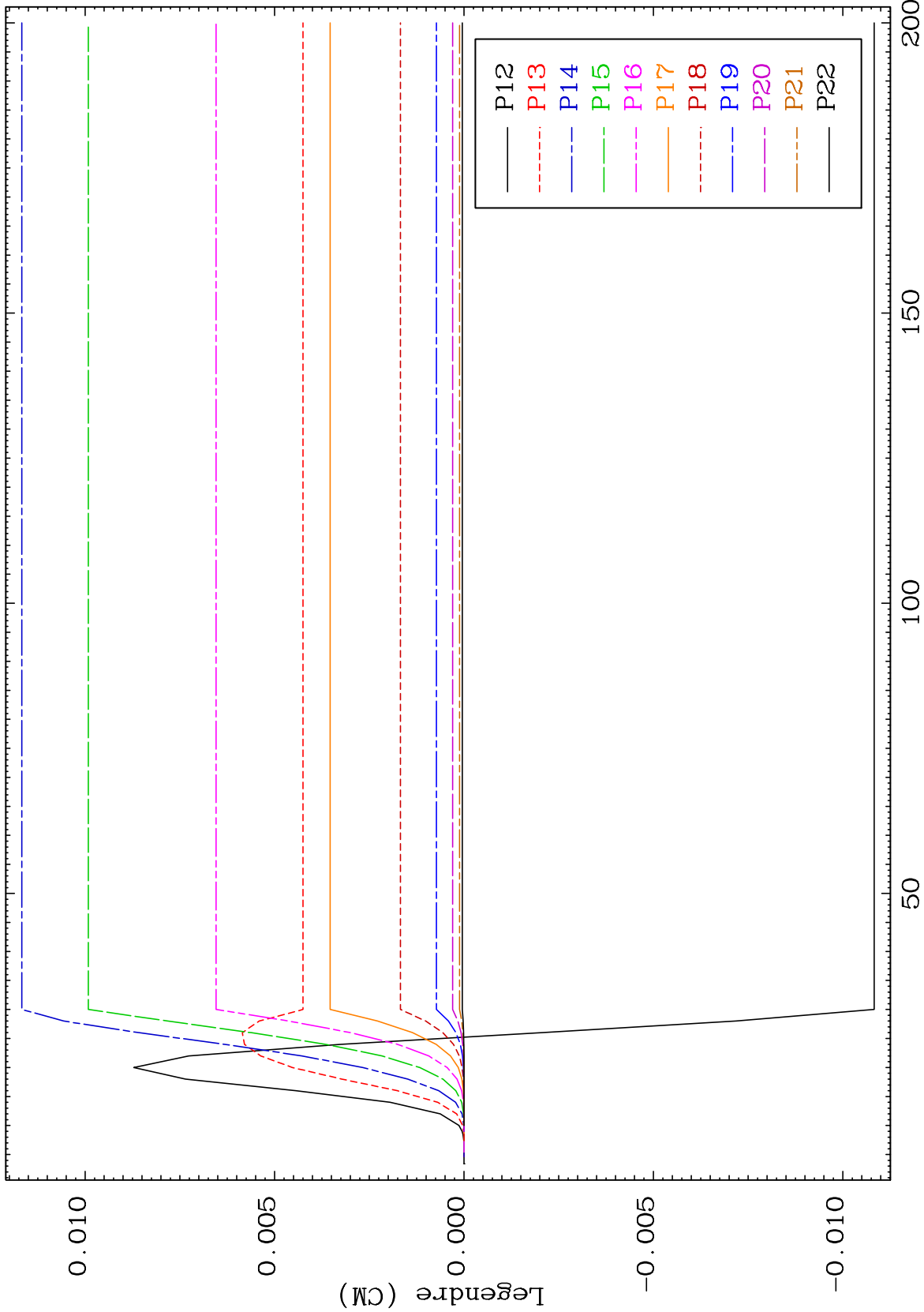


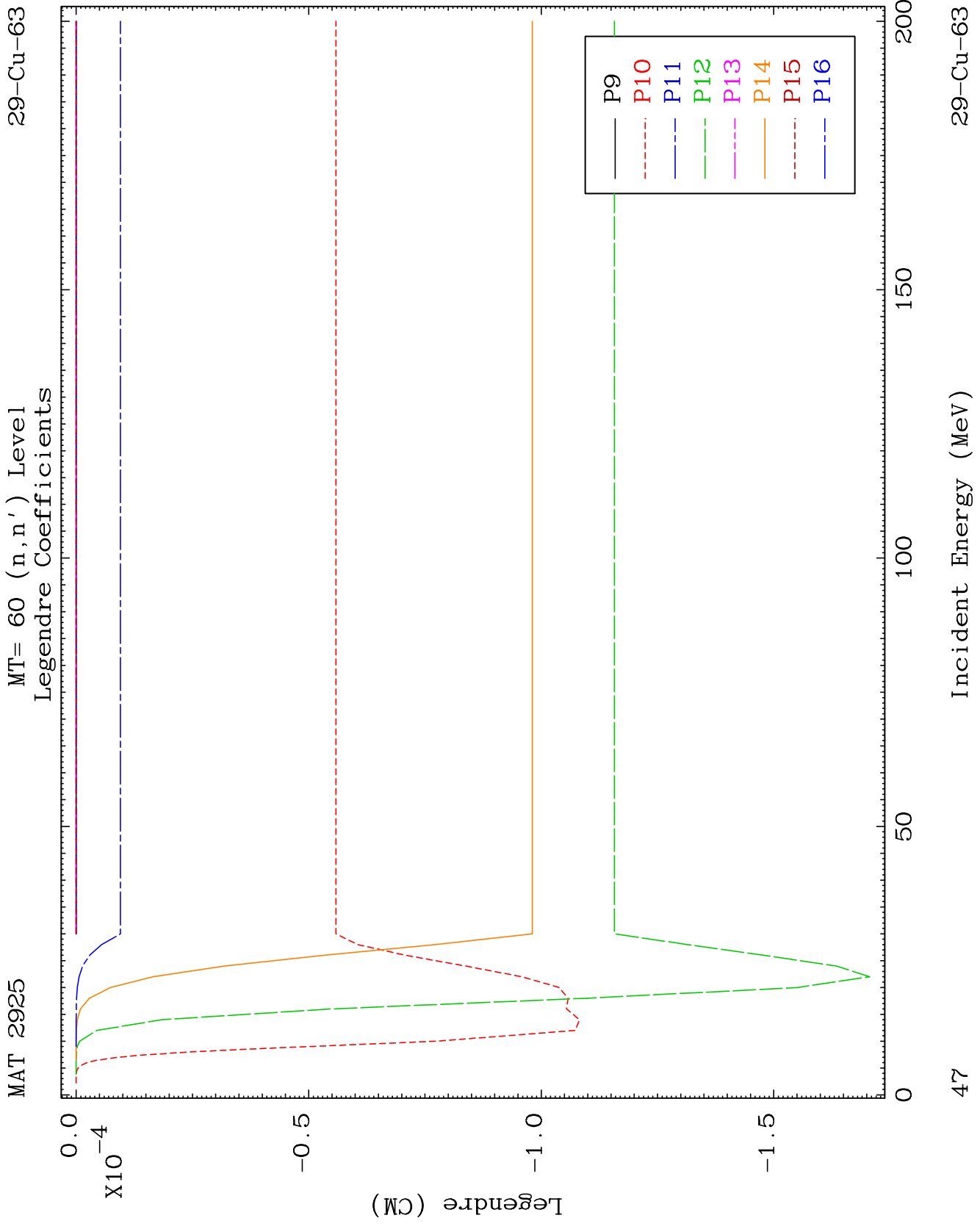
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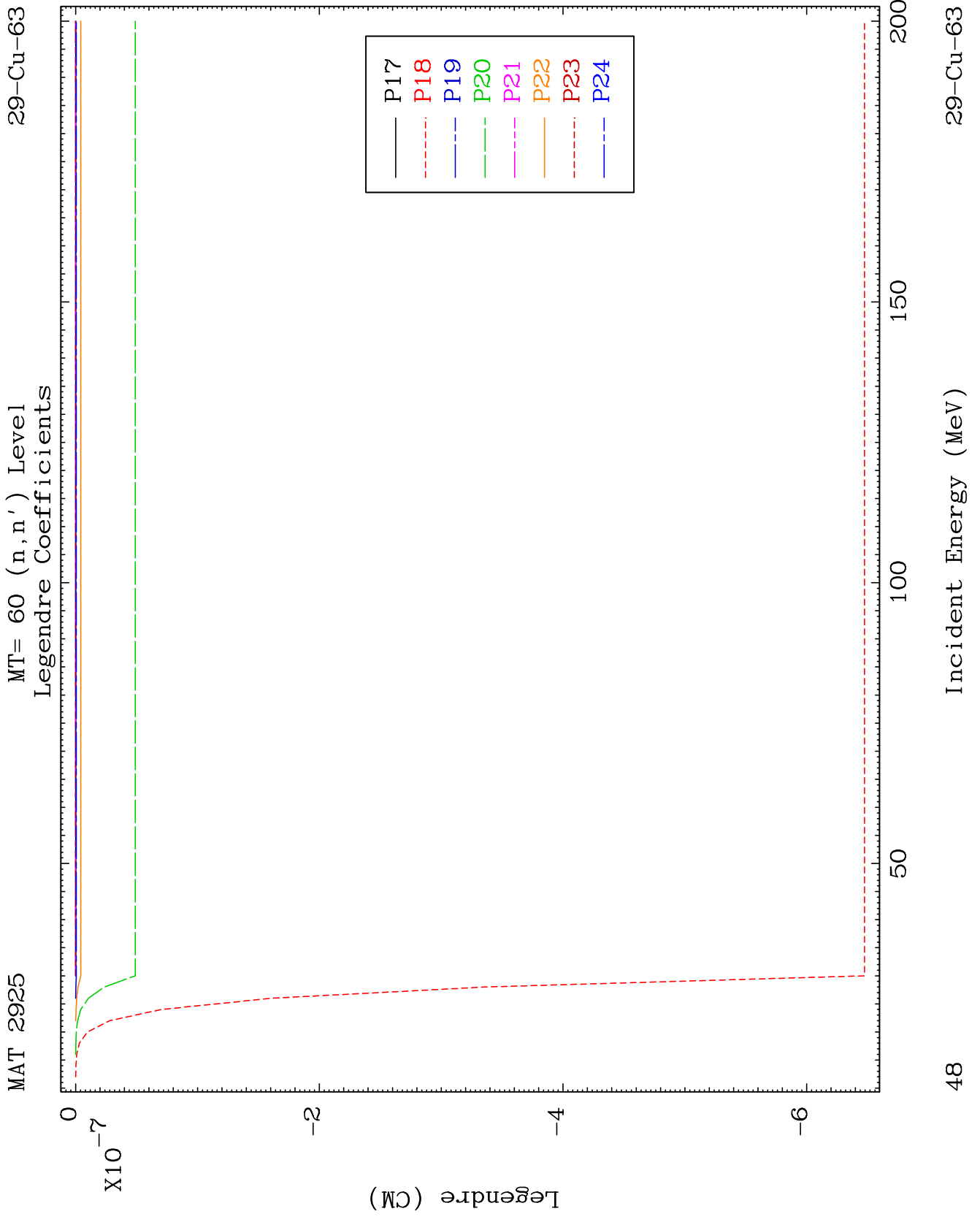
Incident Energy (MeV)

29-Cu-63





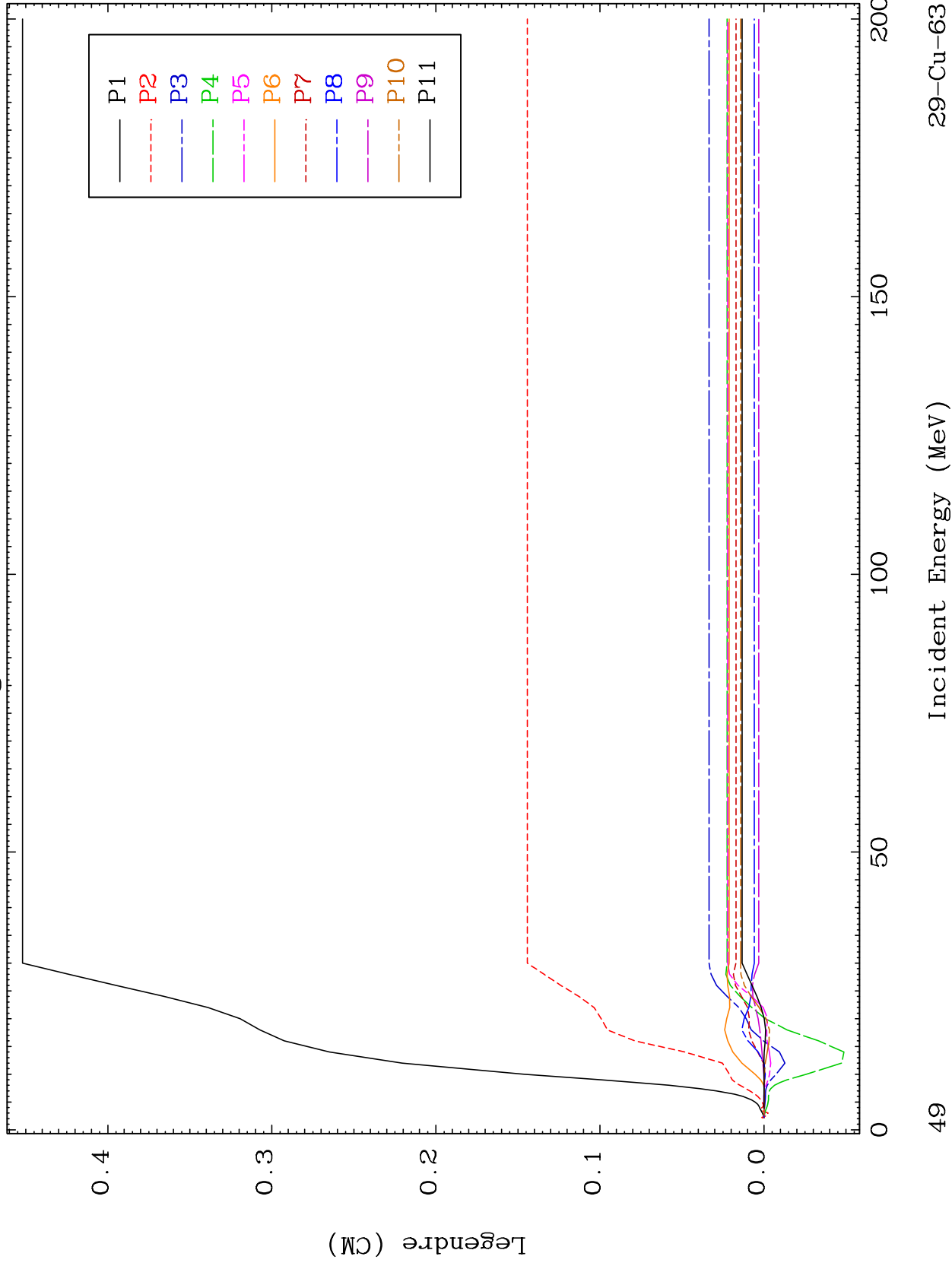




MAT 2925

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

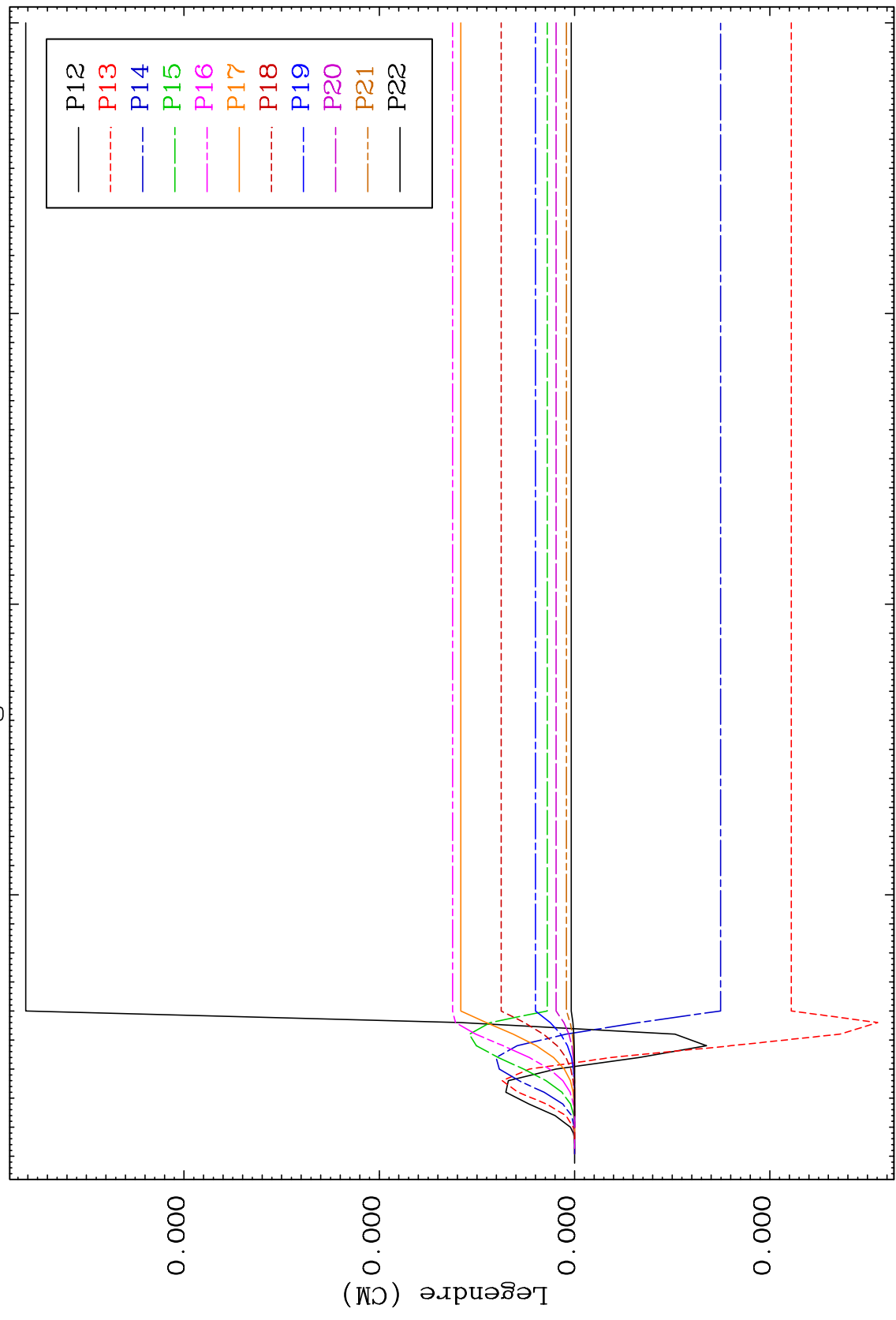
29-Cu-63



MAT 2925

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

29-Cu-63



50

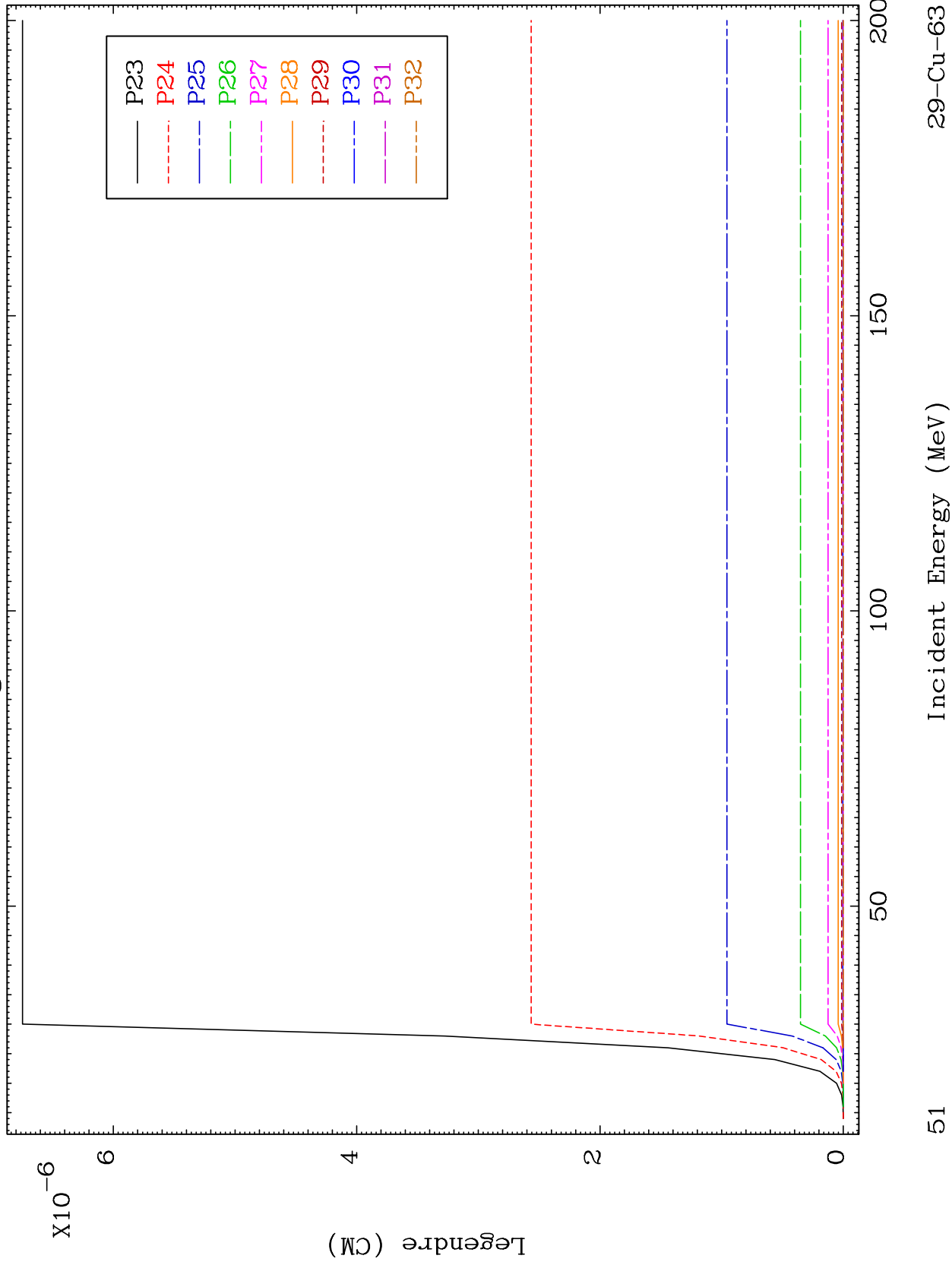
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

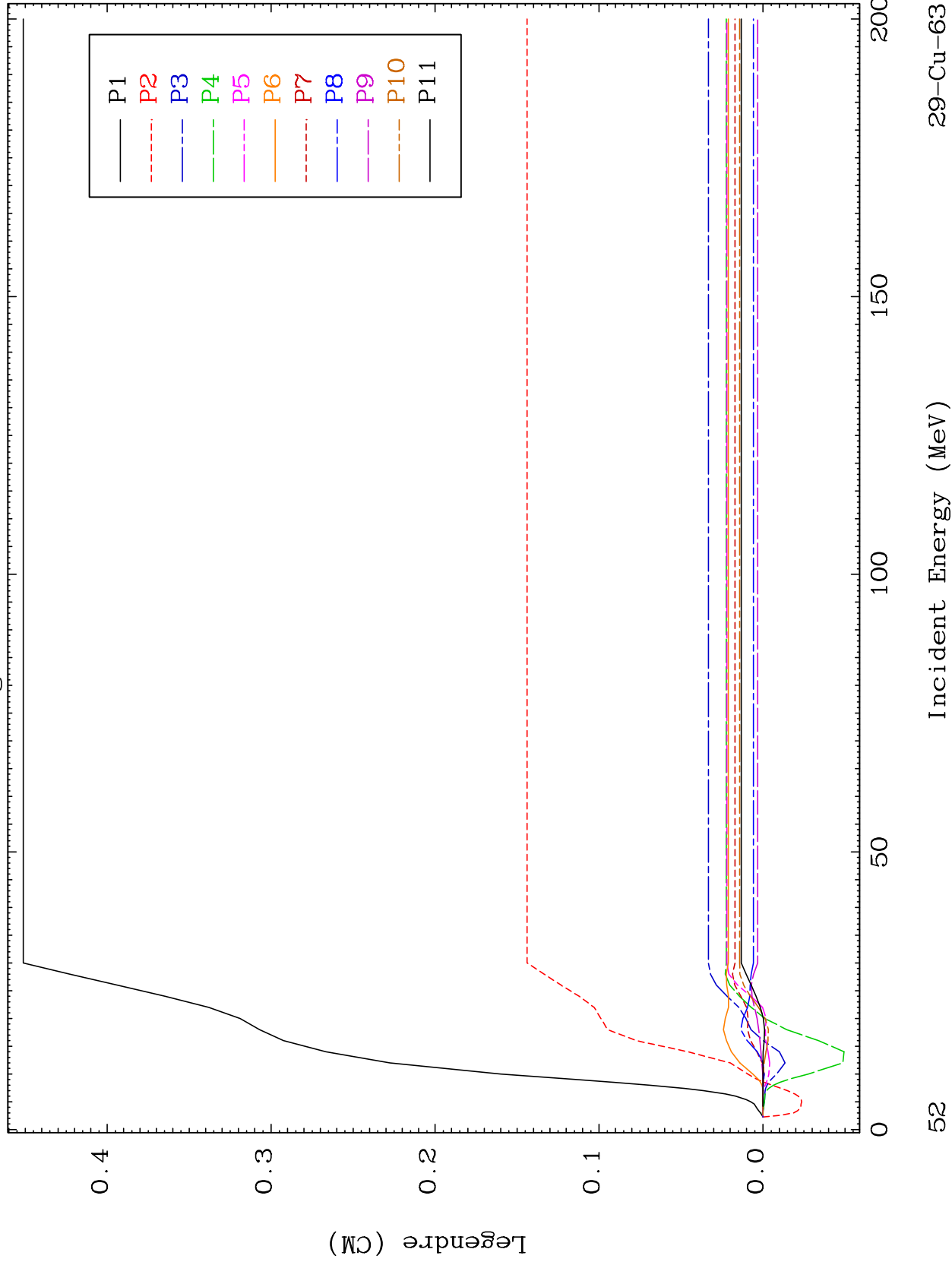
29-Cu-63



MAT 2925

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

29-Cu-63



52

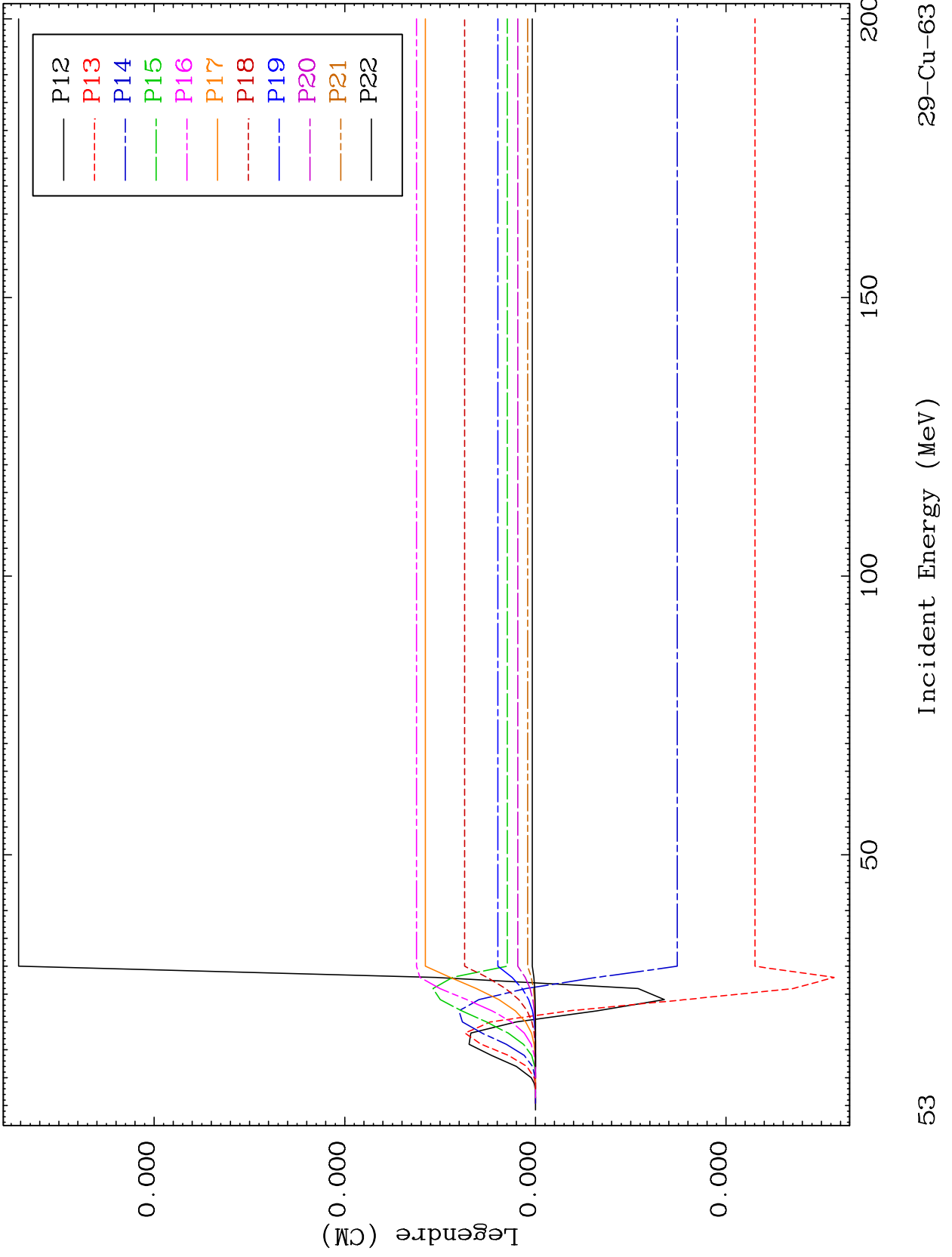
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

29-Cu-63



53

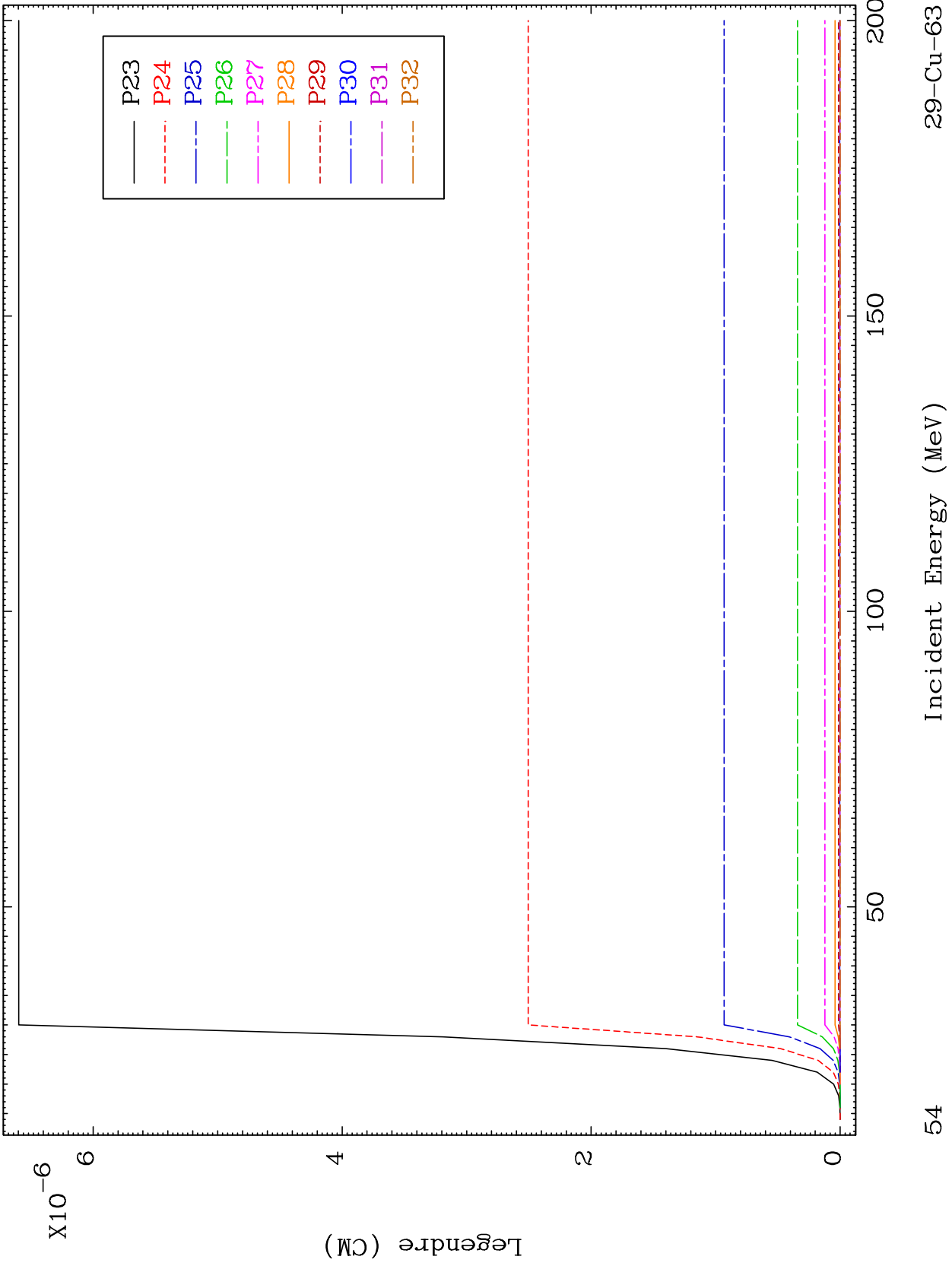
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

29-Cu-63



54

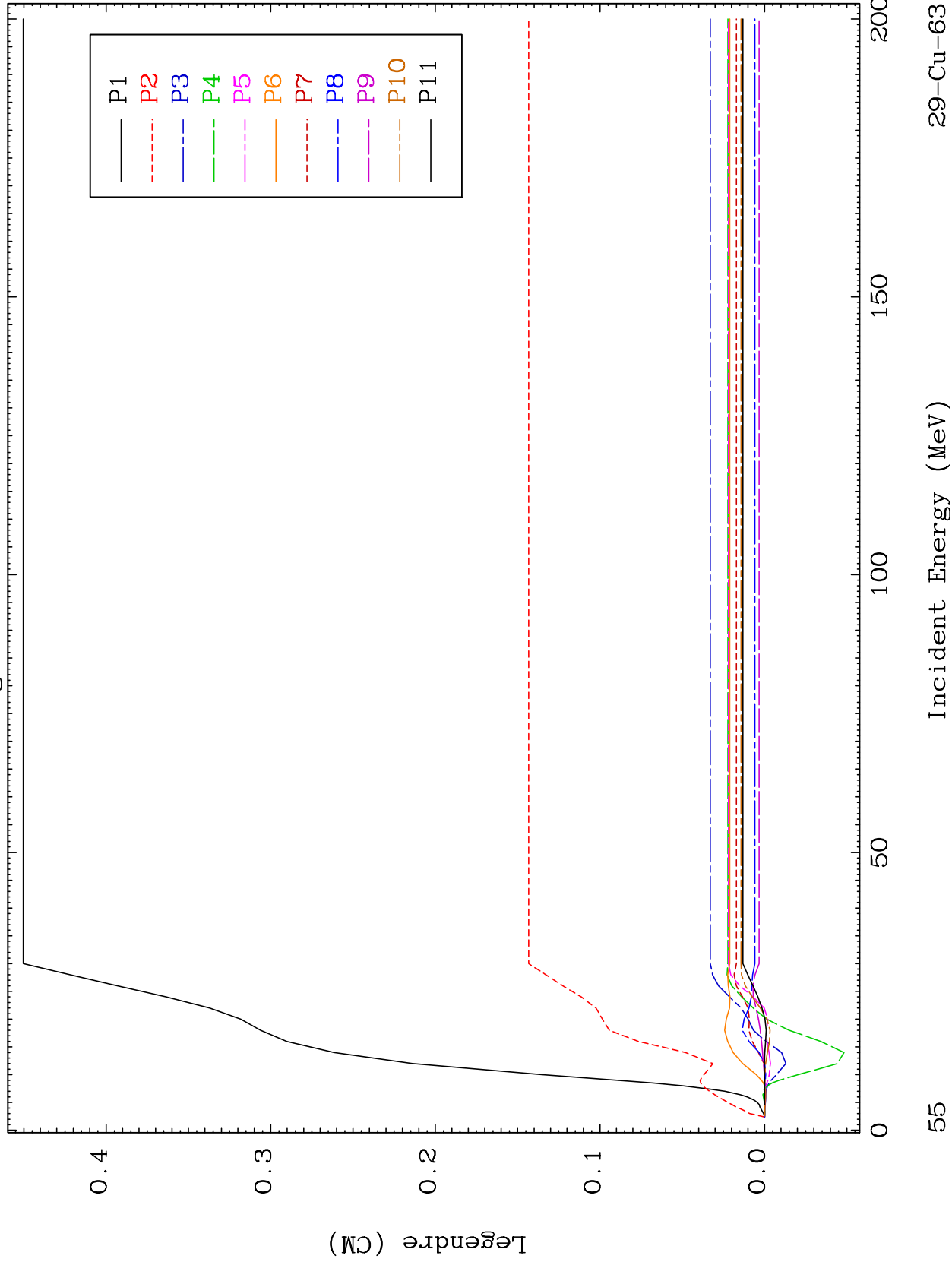
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

29-Cu-63



55

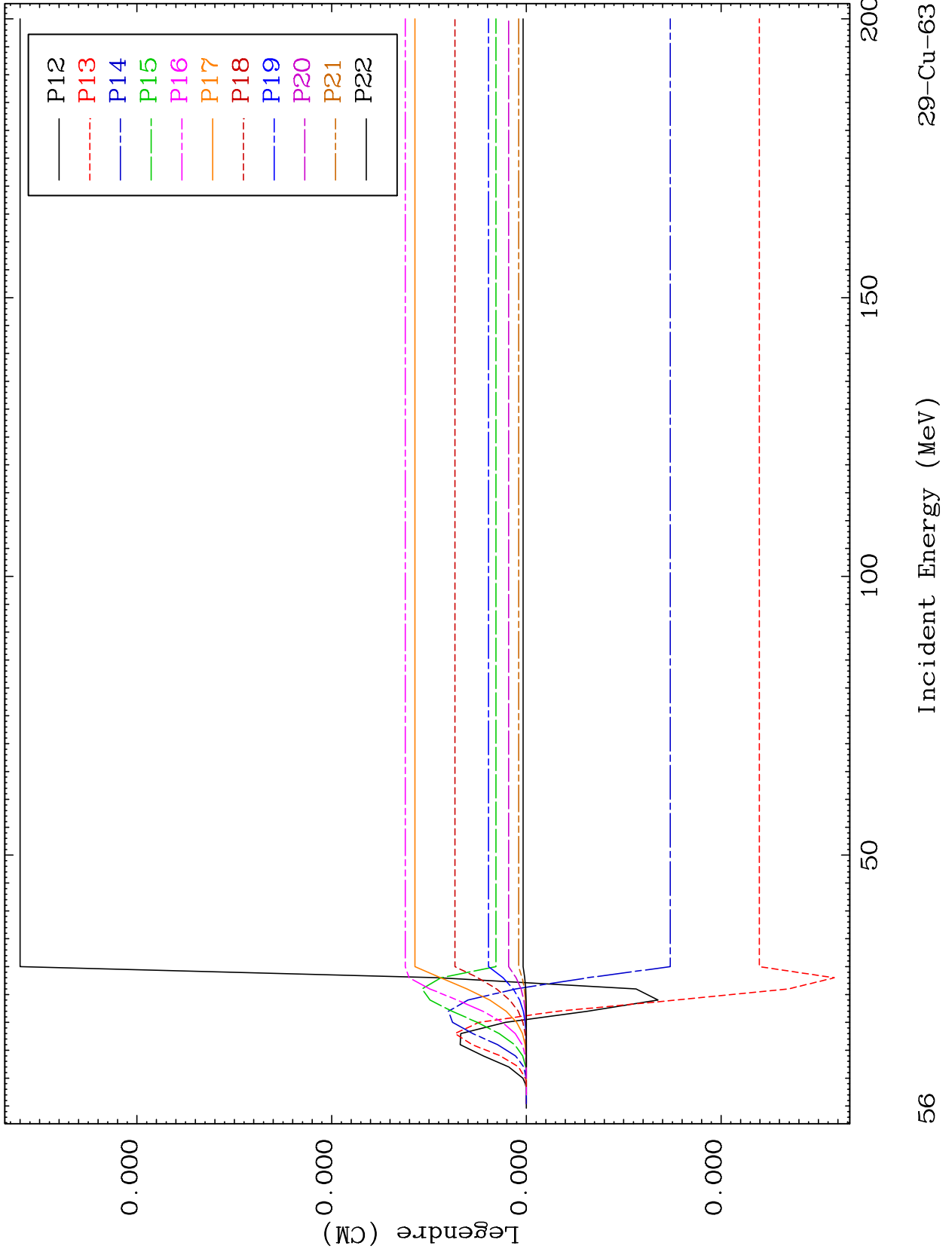
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

29-Cu-63



56

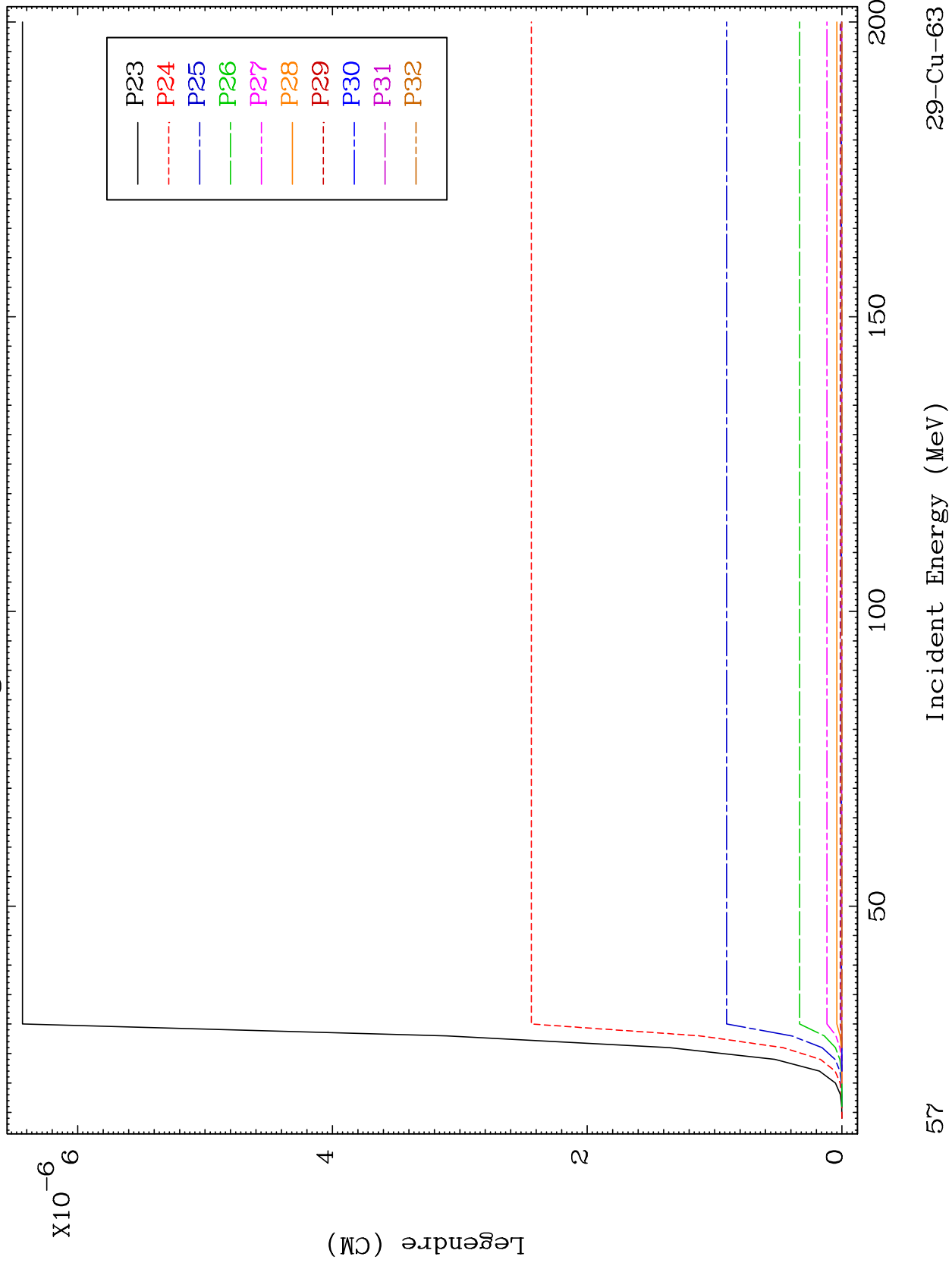
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

29-Cu-63



57

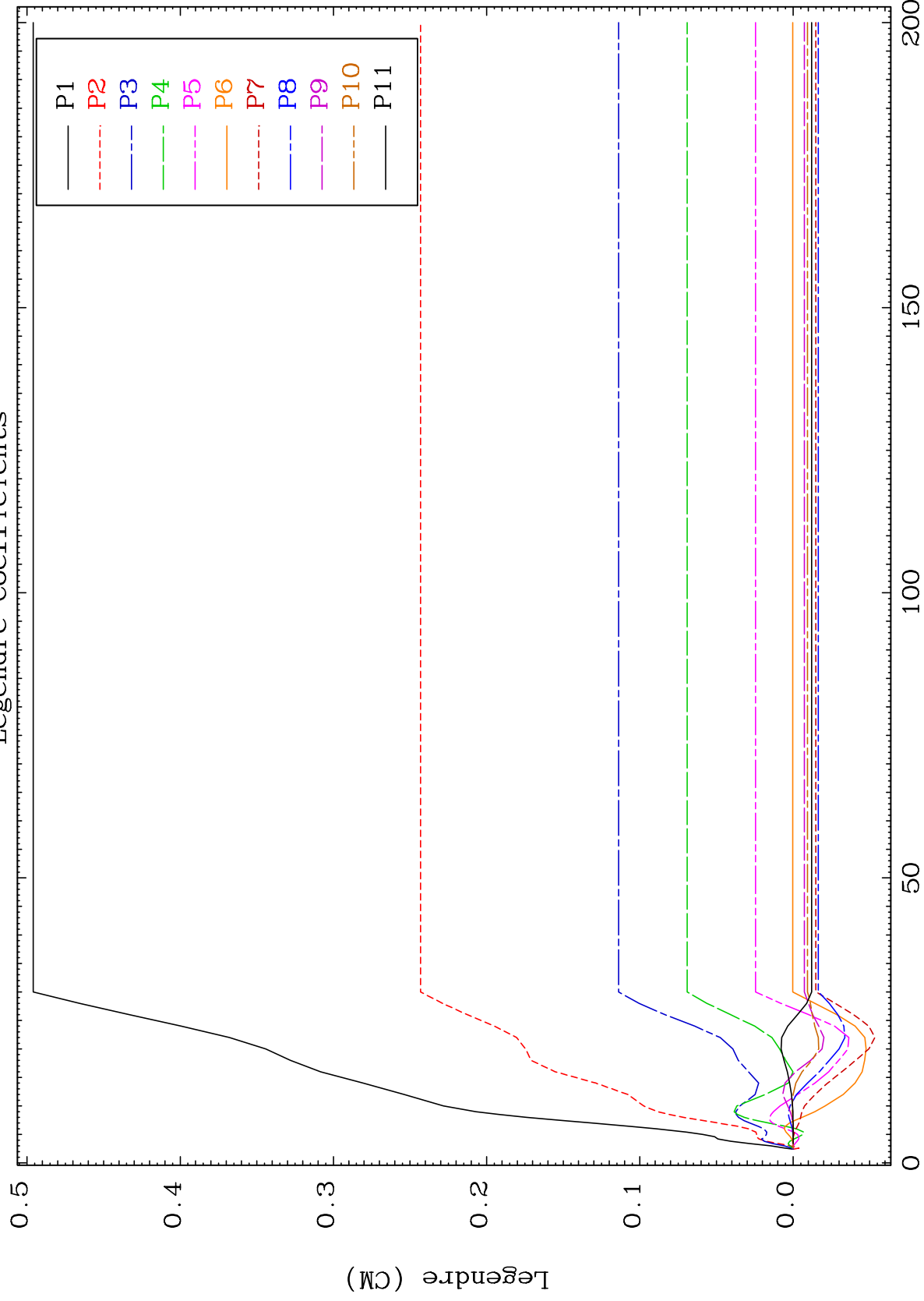
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

29-Cu-63



58

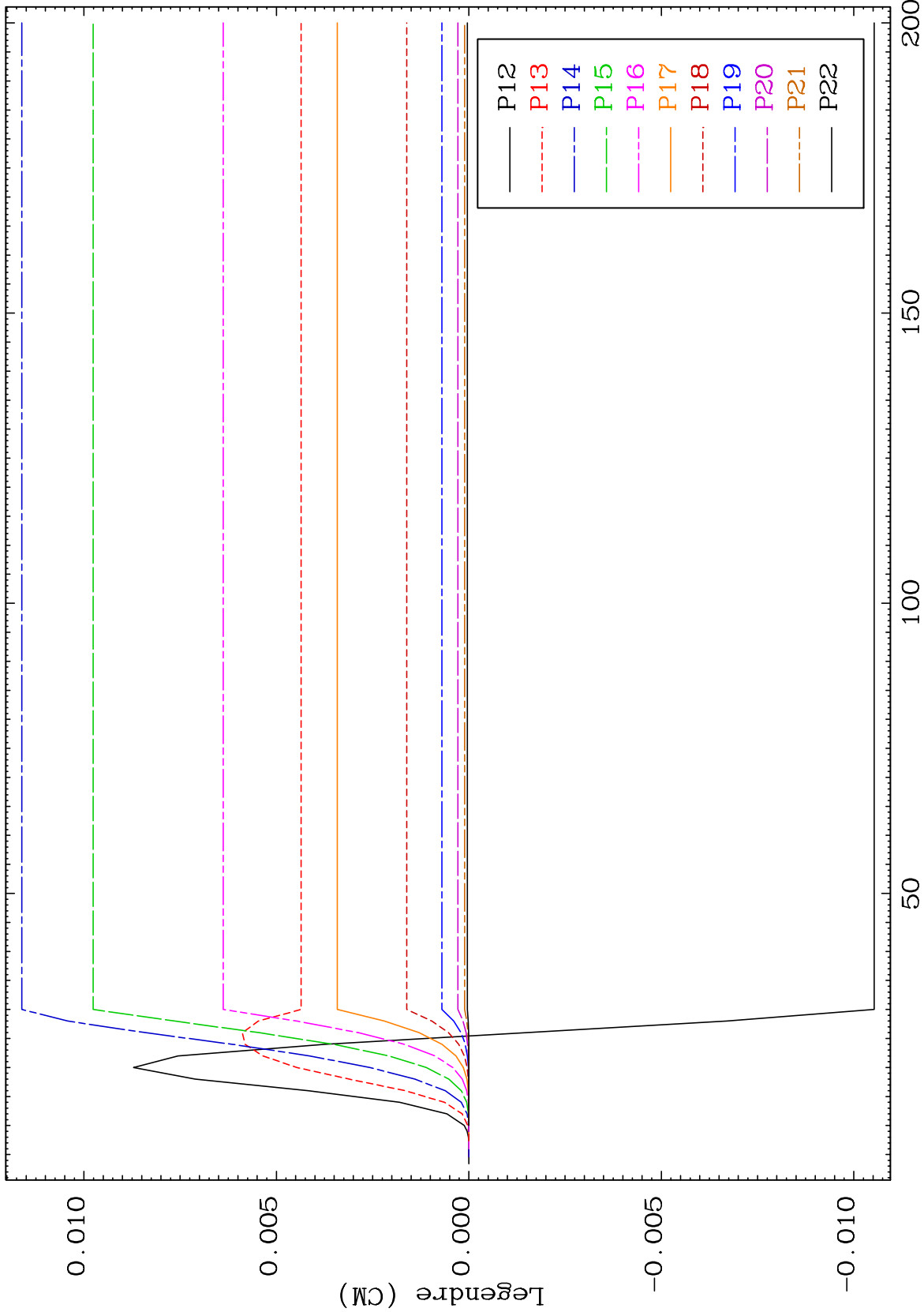
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

29-Cu-63



59

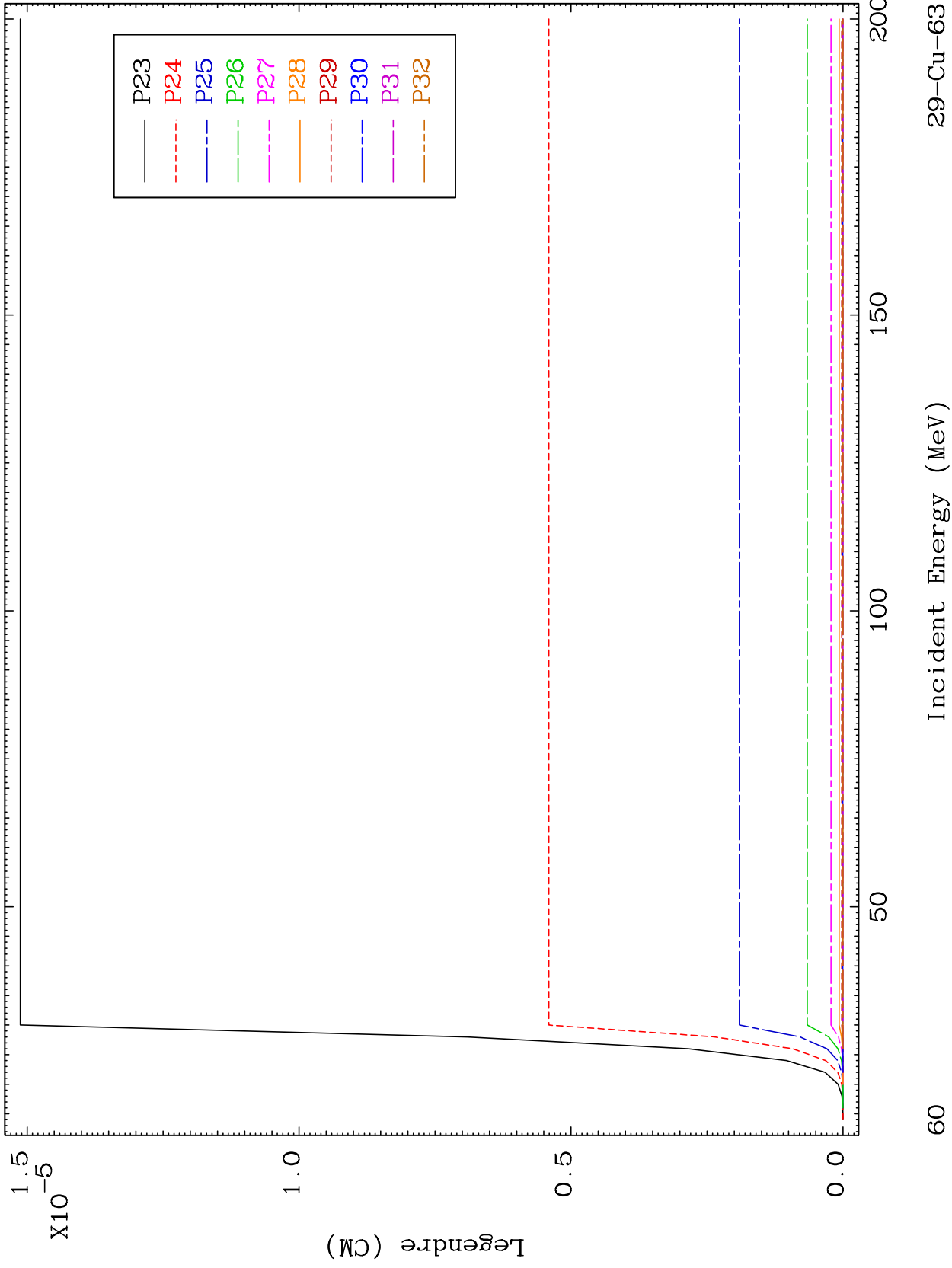
Incident Energy (MeV)

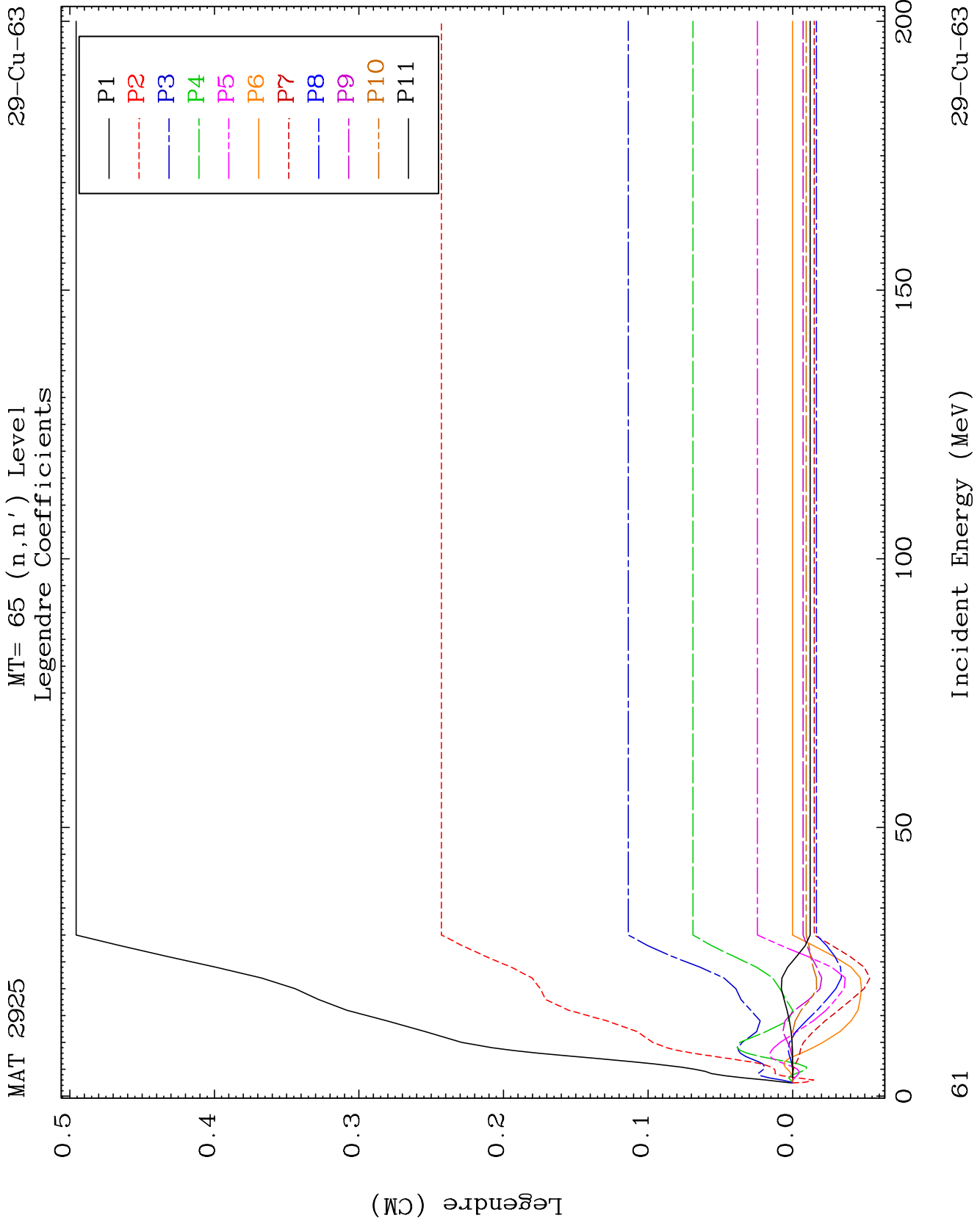
29-Cu-63

MAT 2925

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

29-Cu-63

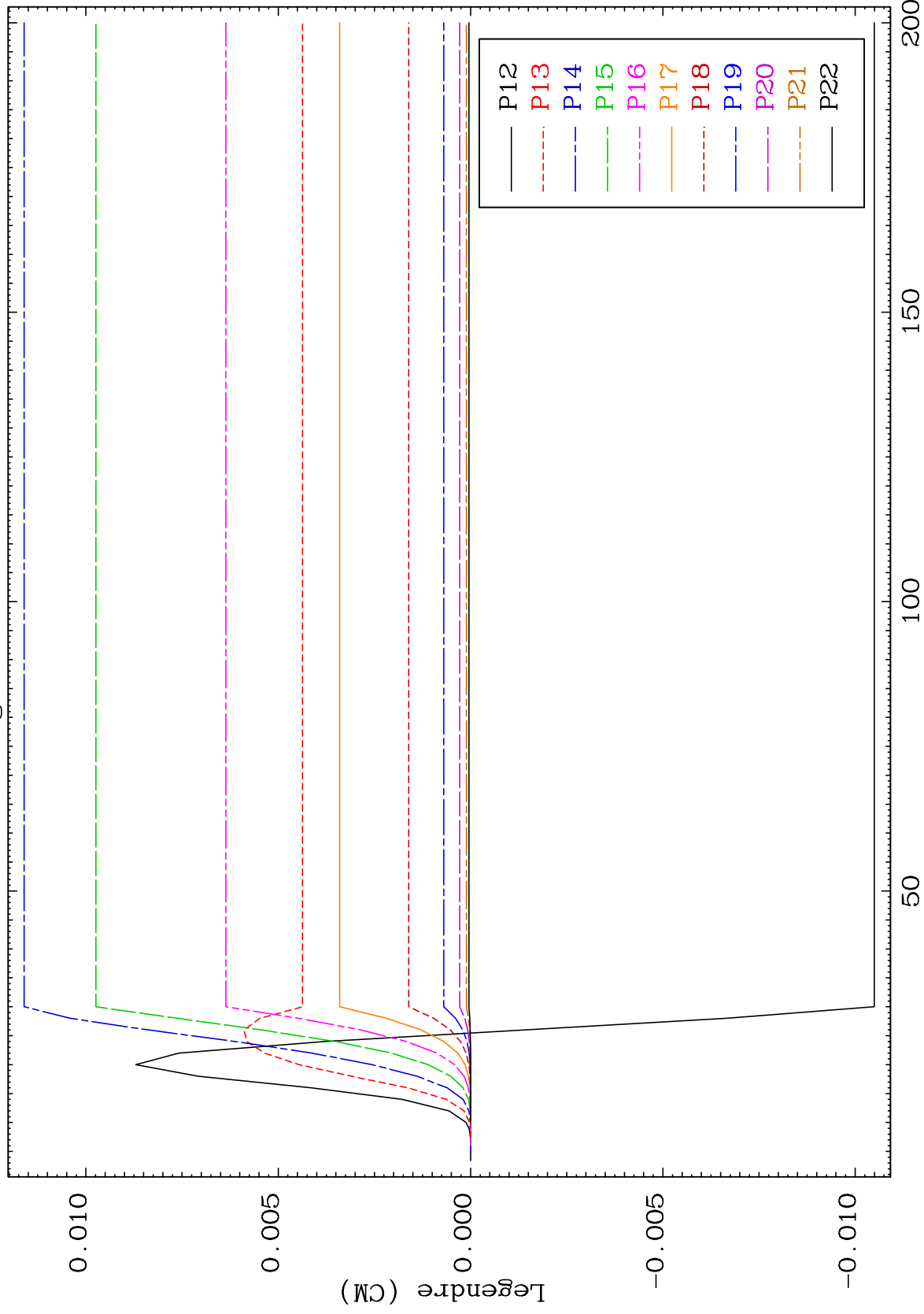




MAT 2925

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

29-Cu-63



62

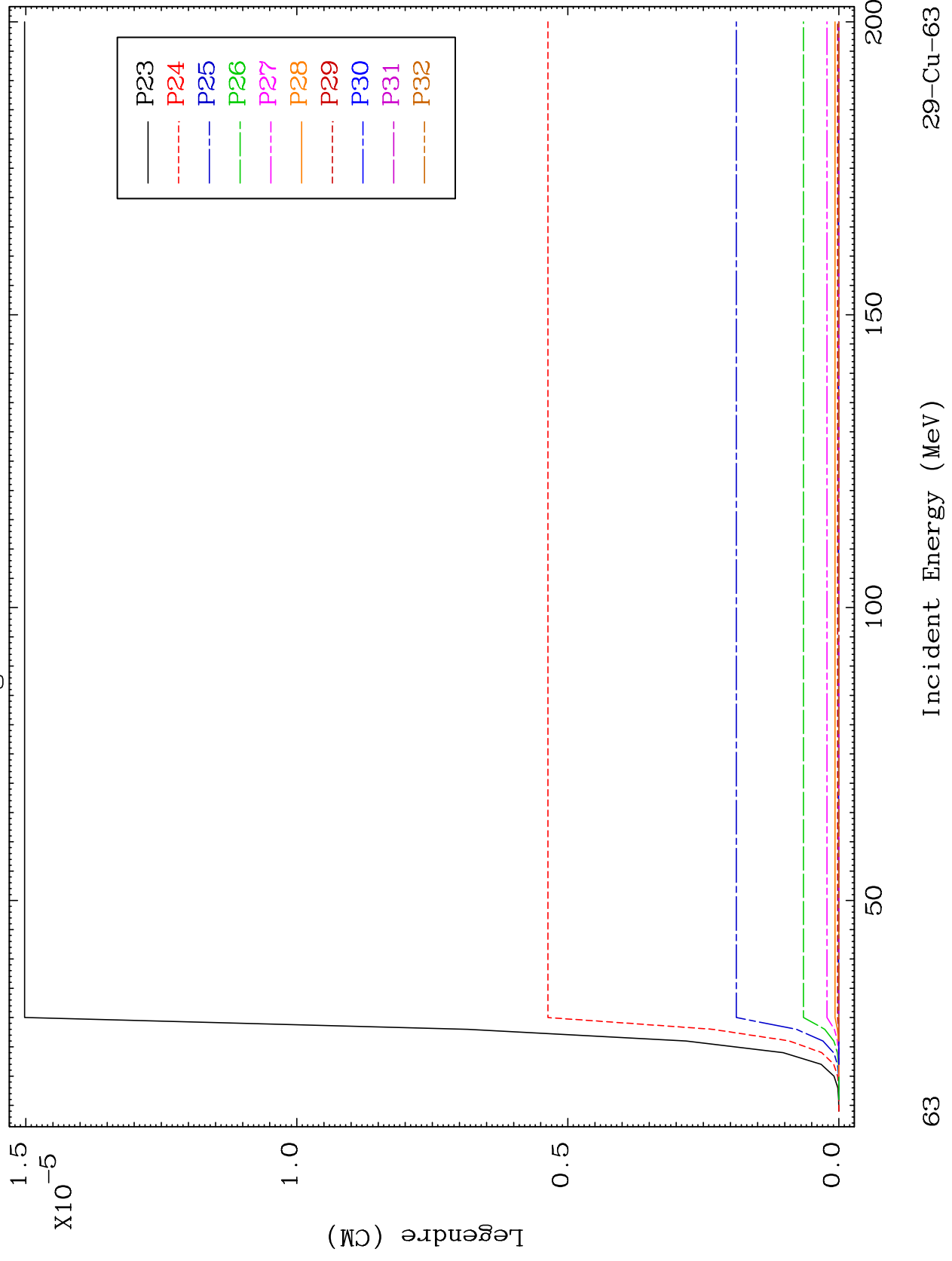
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

29-Cu-63



63

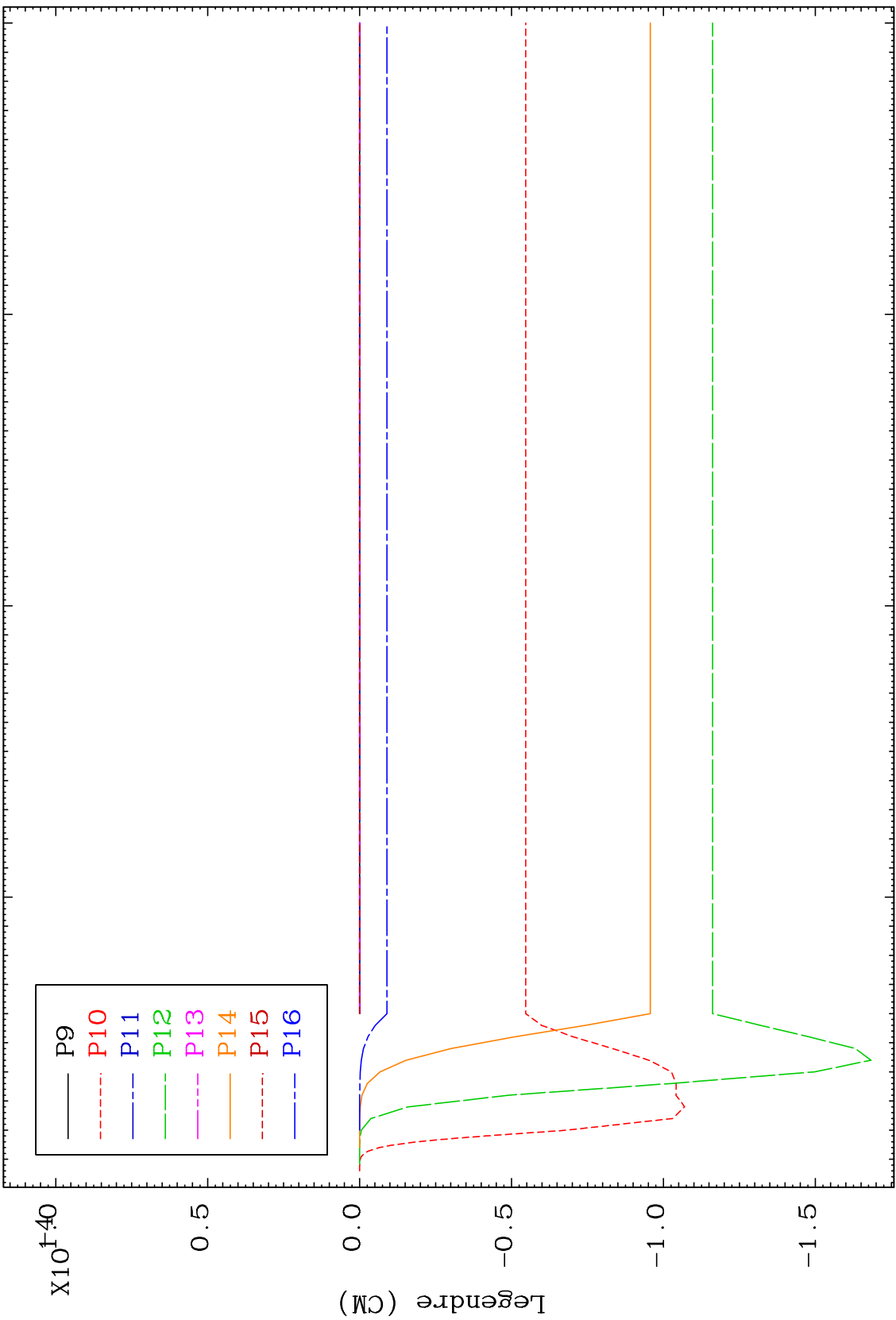
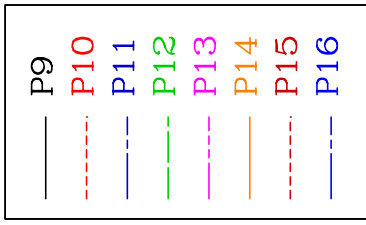
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

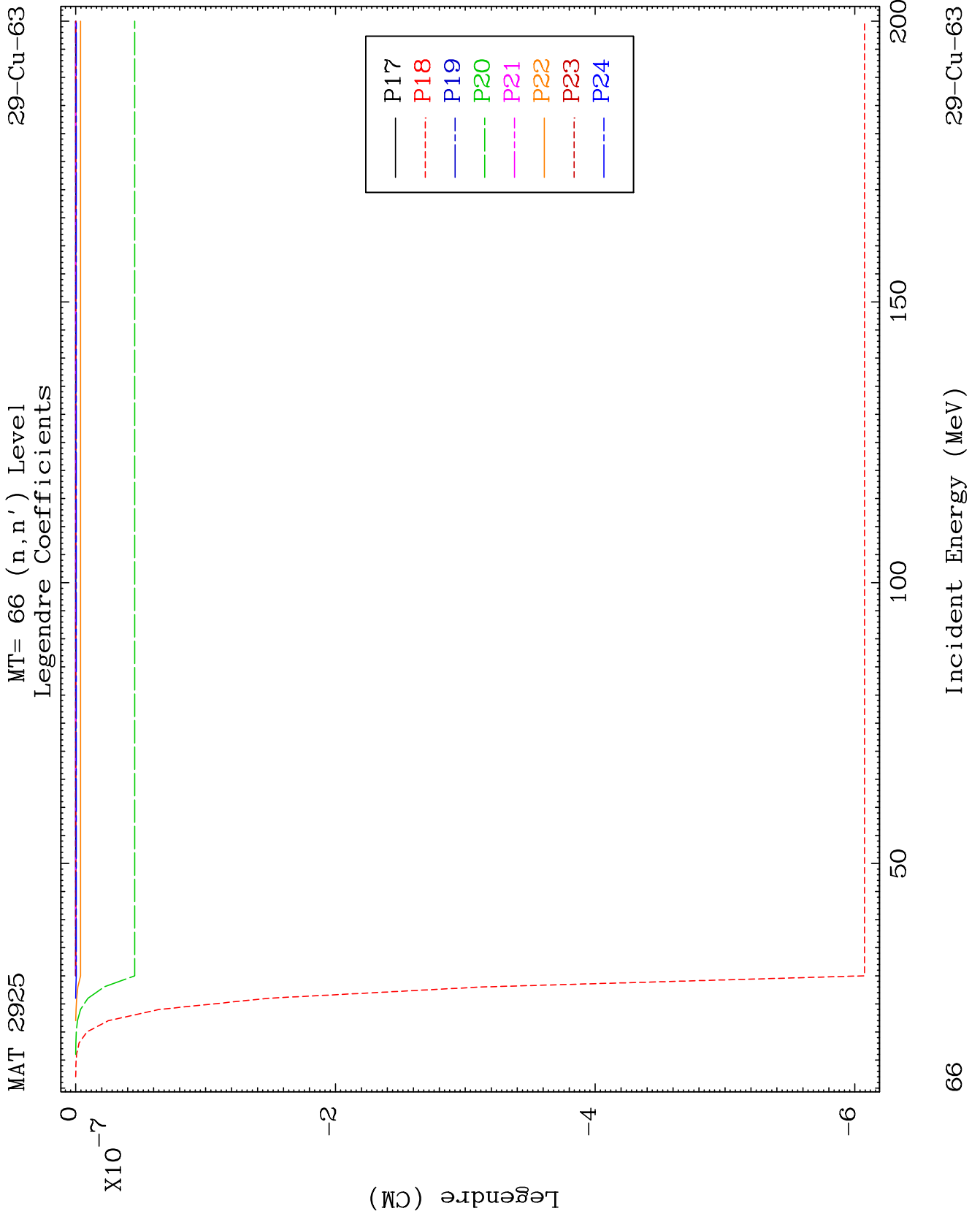
29-Cu-63

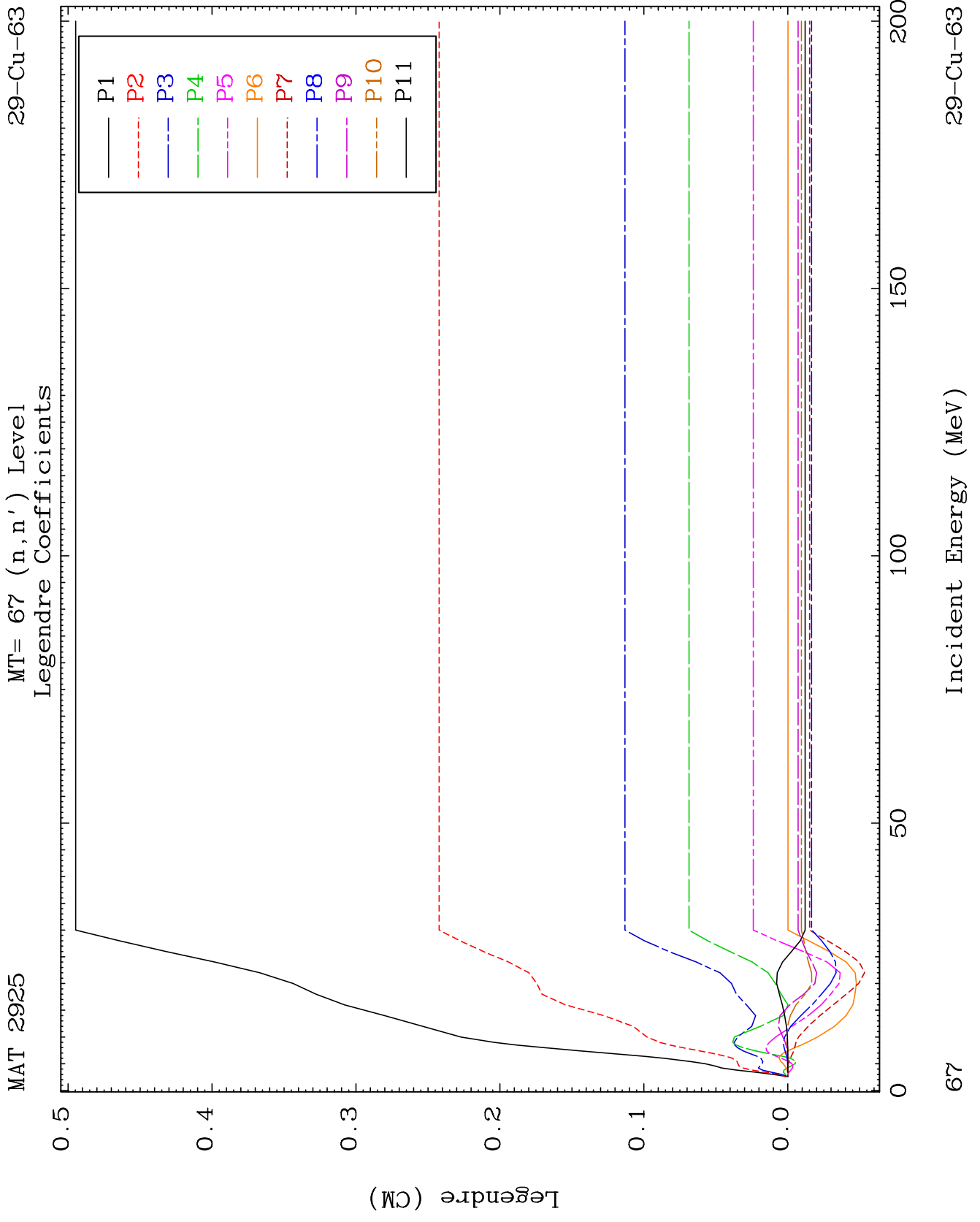


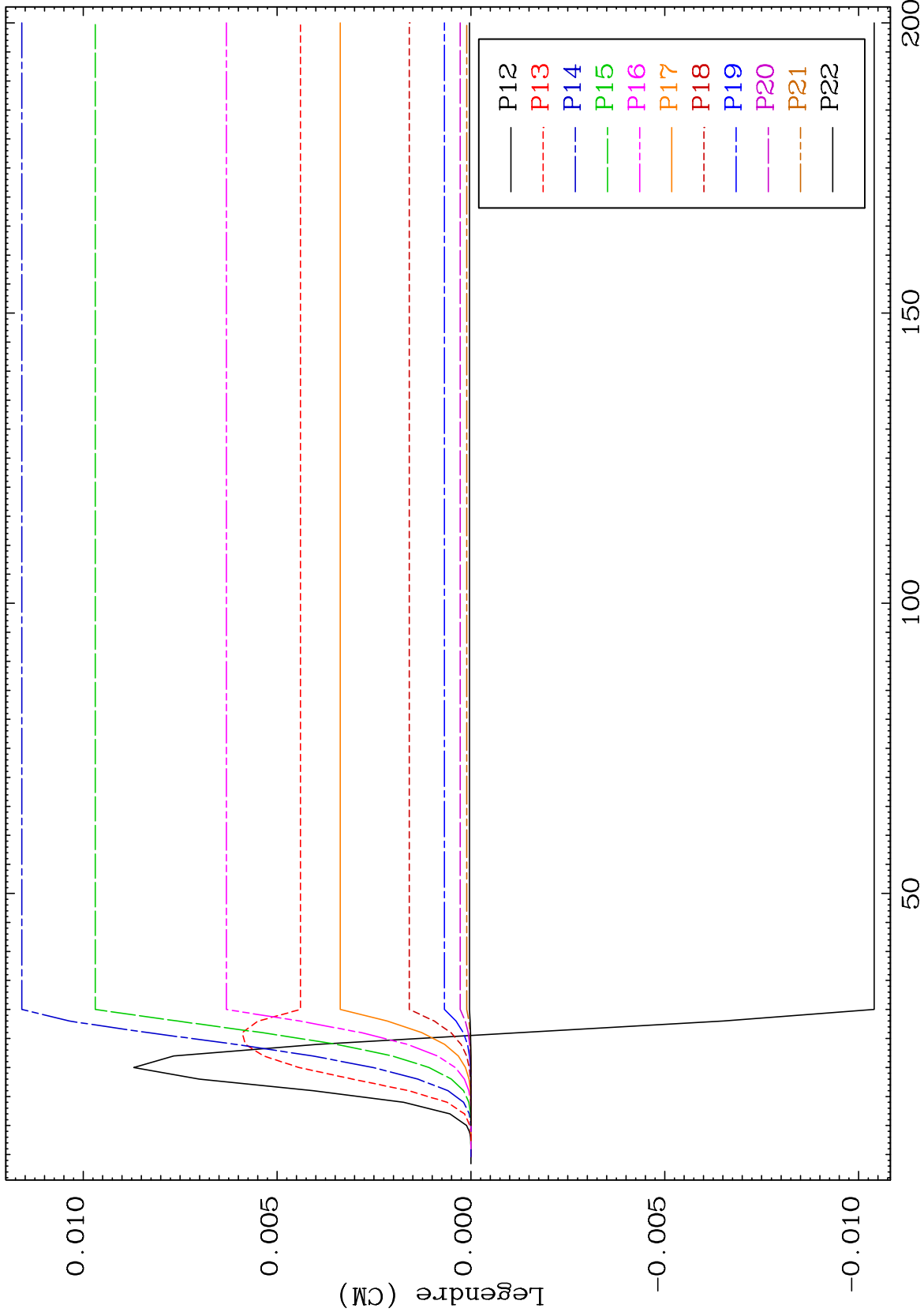
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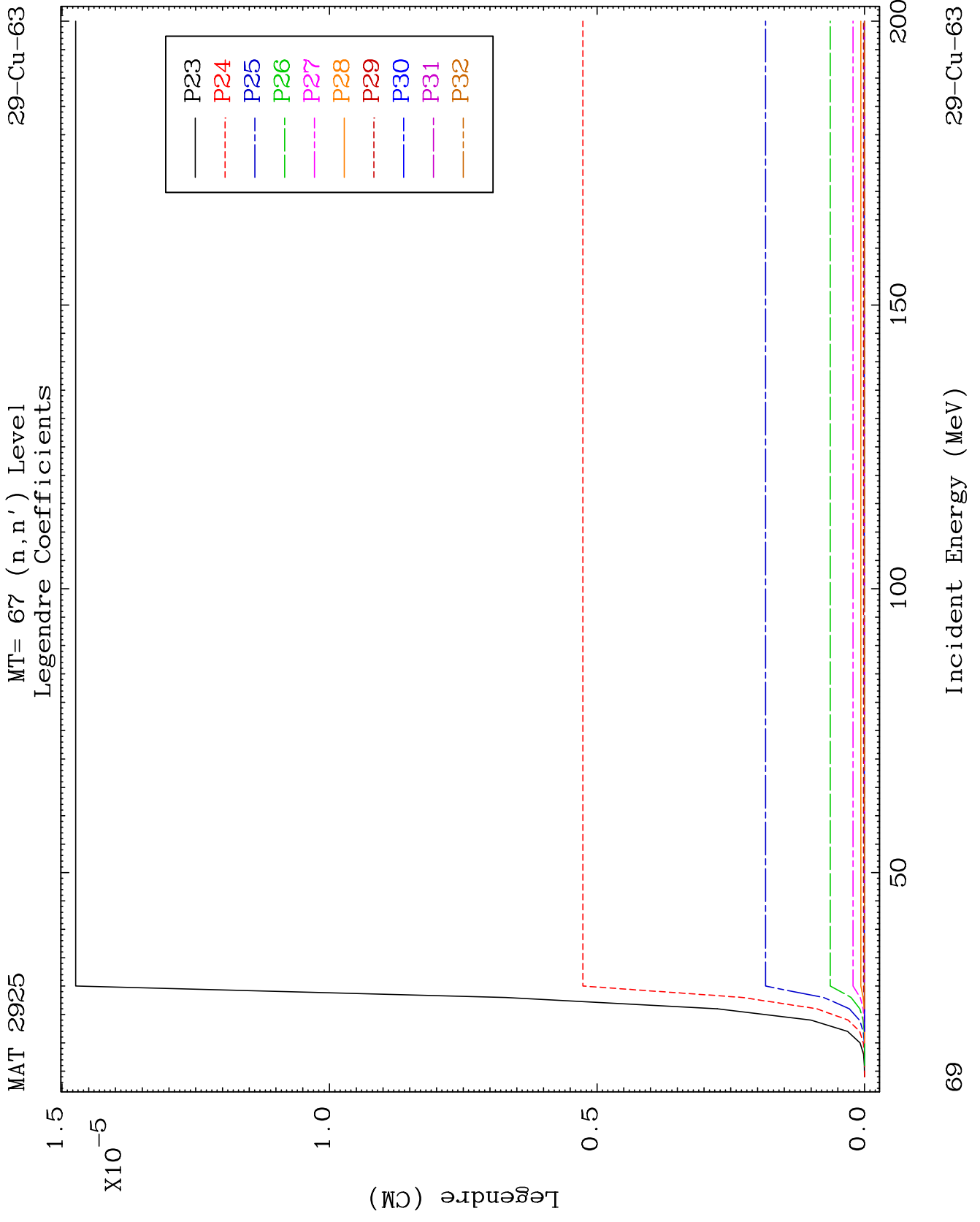
Incident Energy (MeV)

29-Cu-63





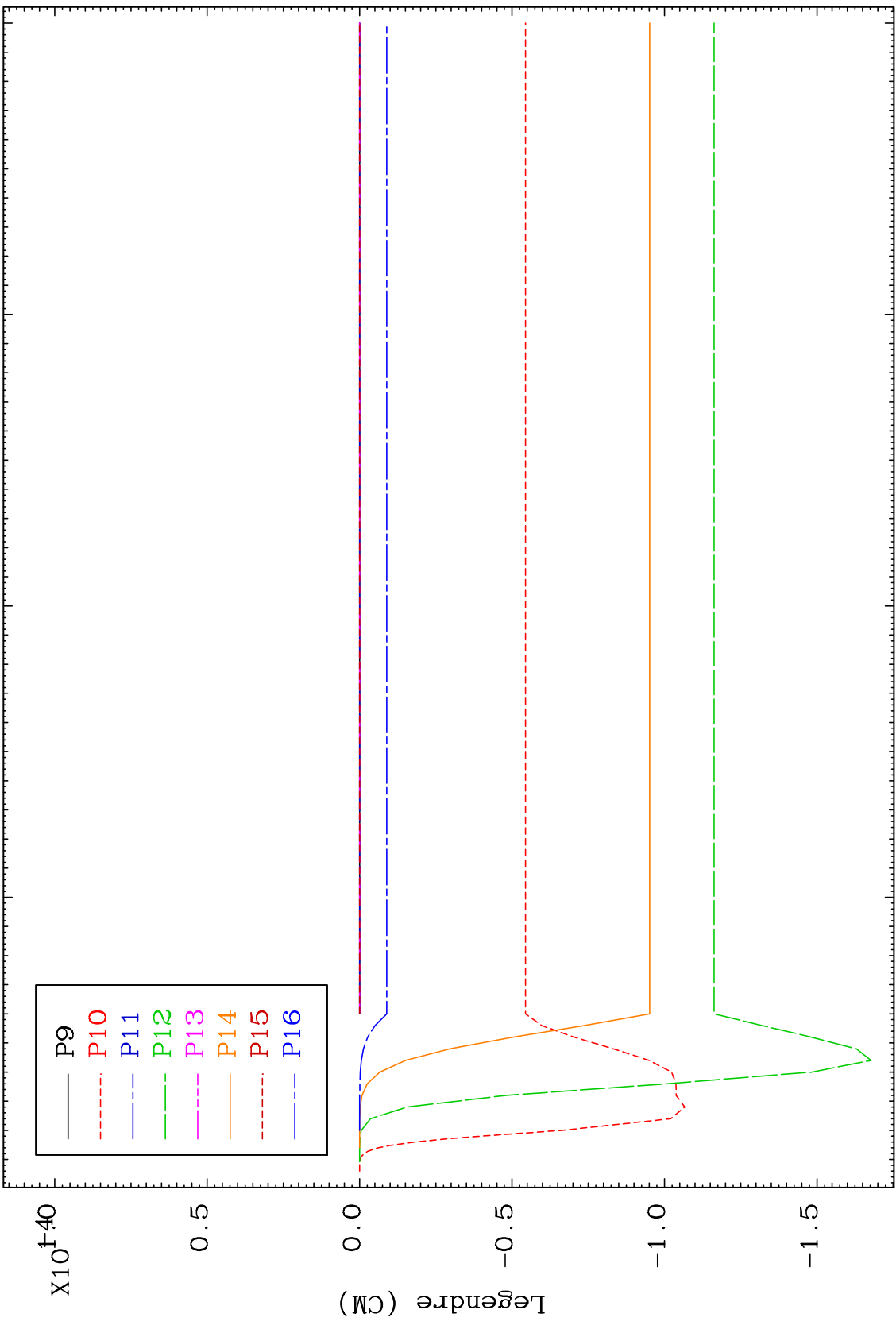
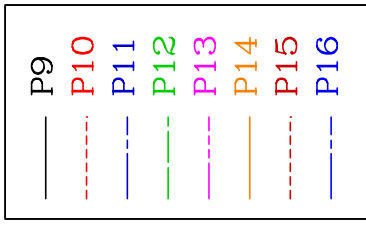




MAT 2925

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

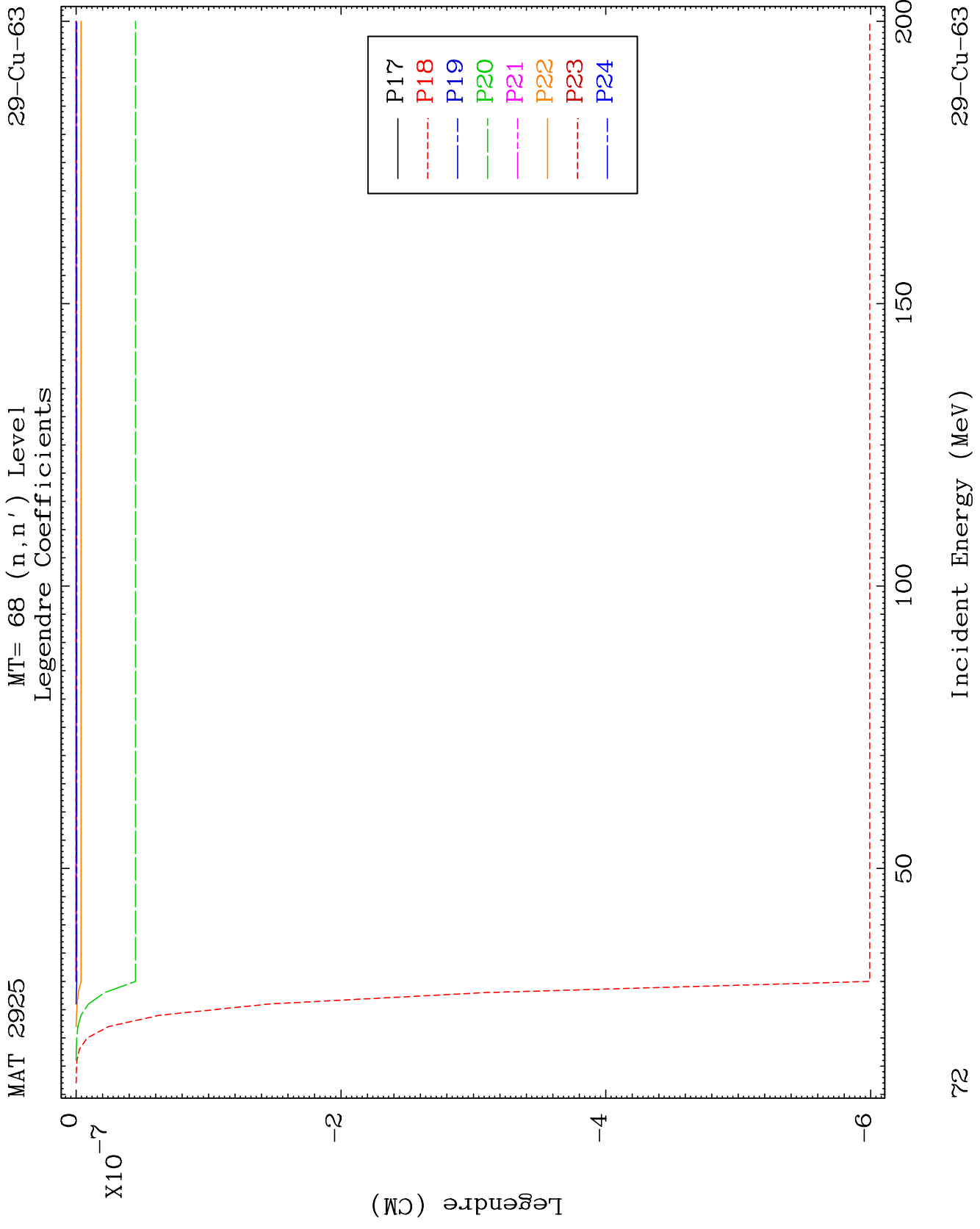
29-Cu-63



71

Incident Energy (MeV)

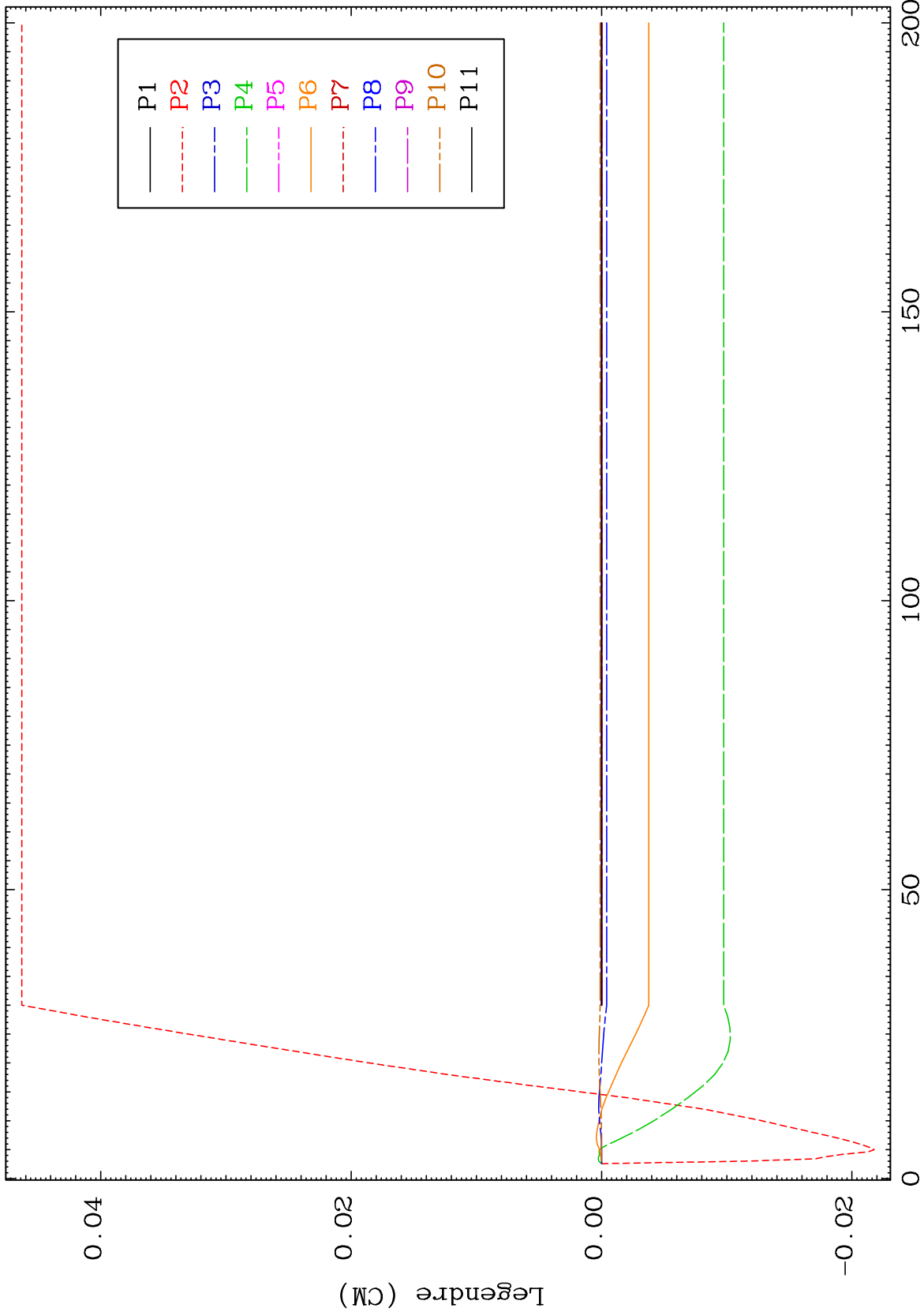
29-Cu-63



MAT 2925

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

29-Cu-63



73

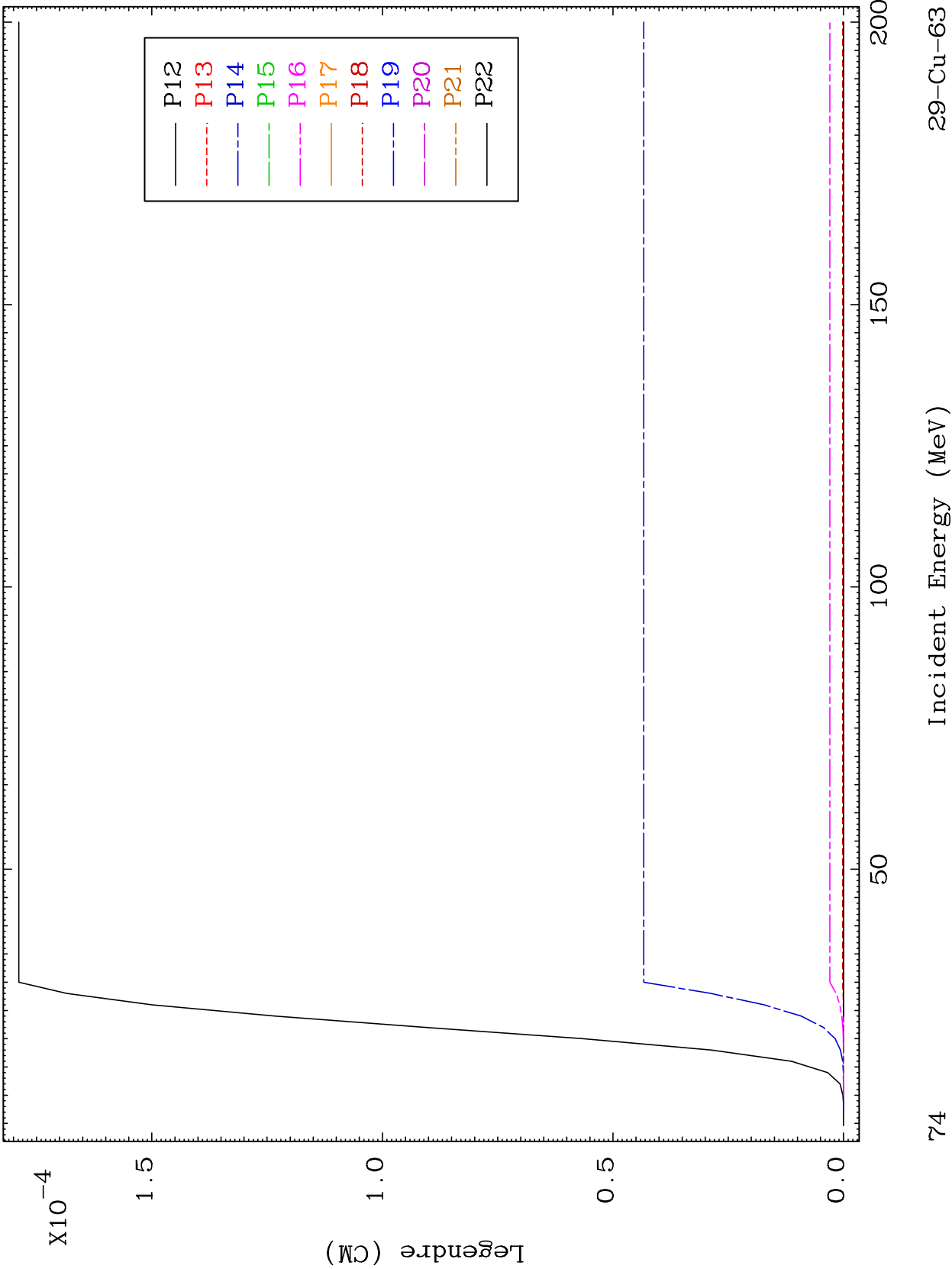
Incident Energy (MeV)

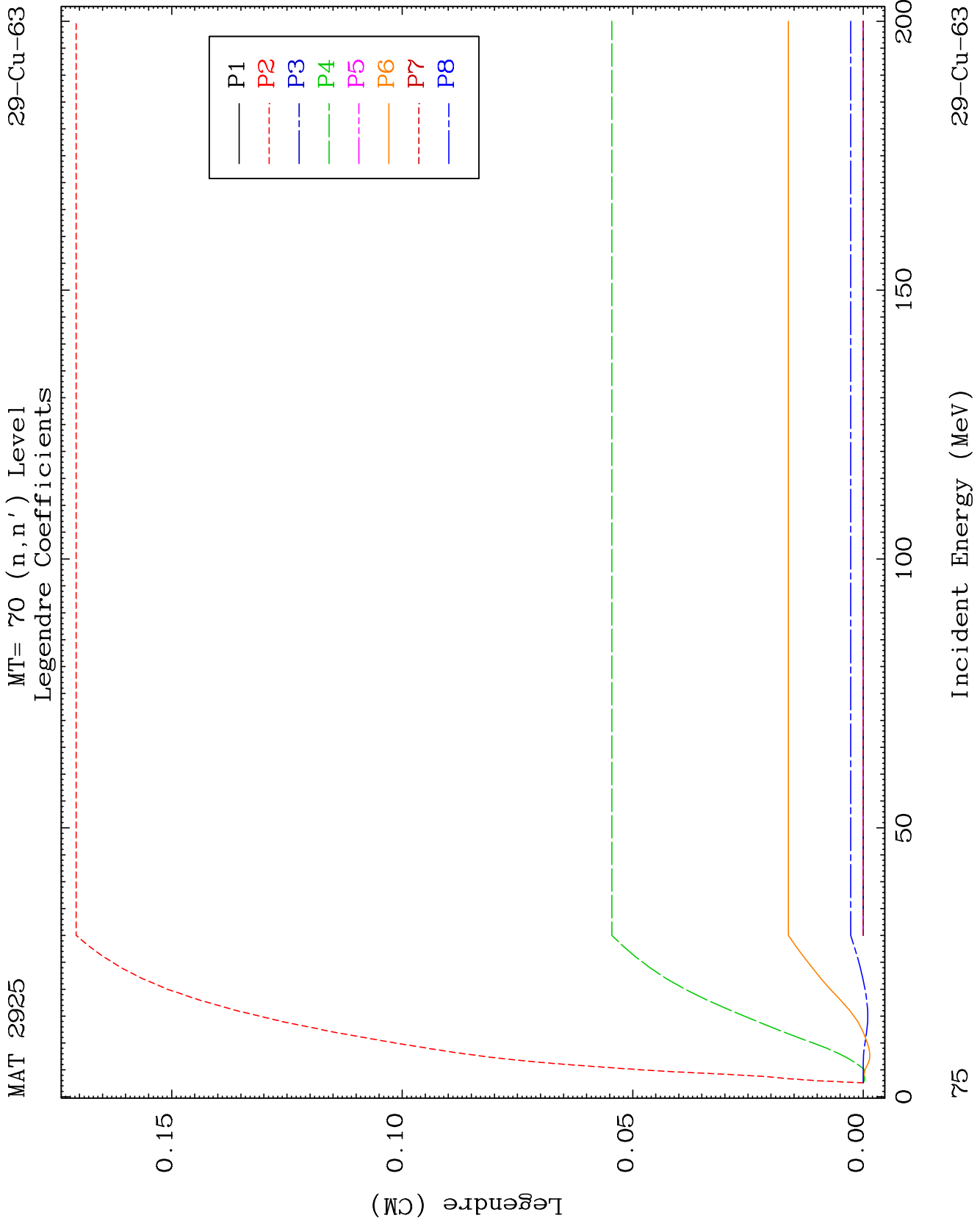
29-Cu-63

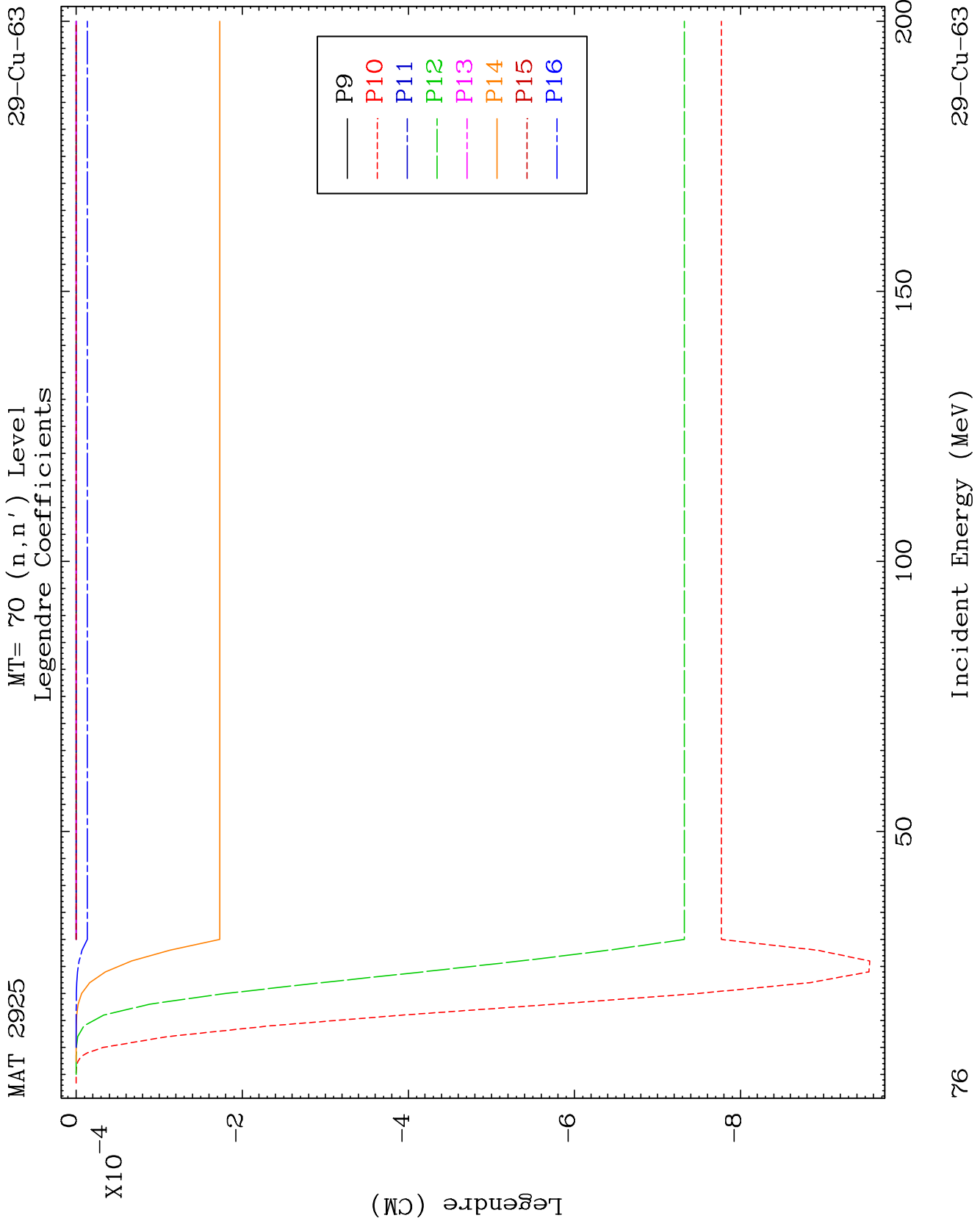
MAT 2925

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

29-Cu-63



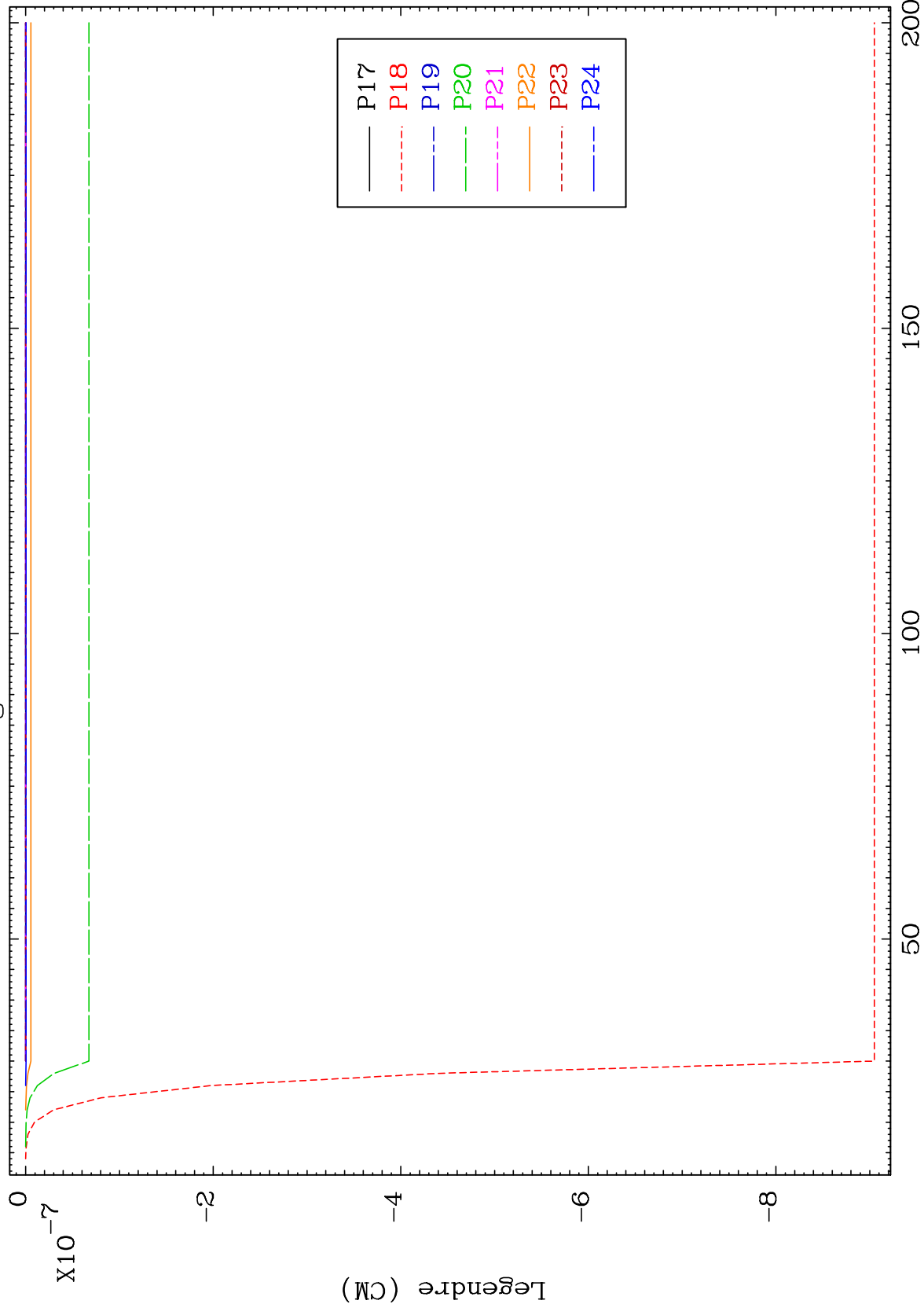




MAT 2925

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

29-Cu-63



29-Cu-63

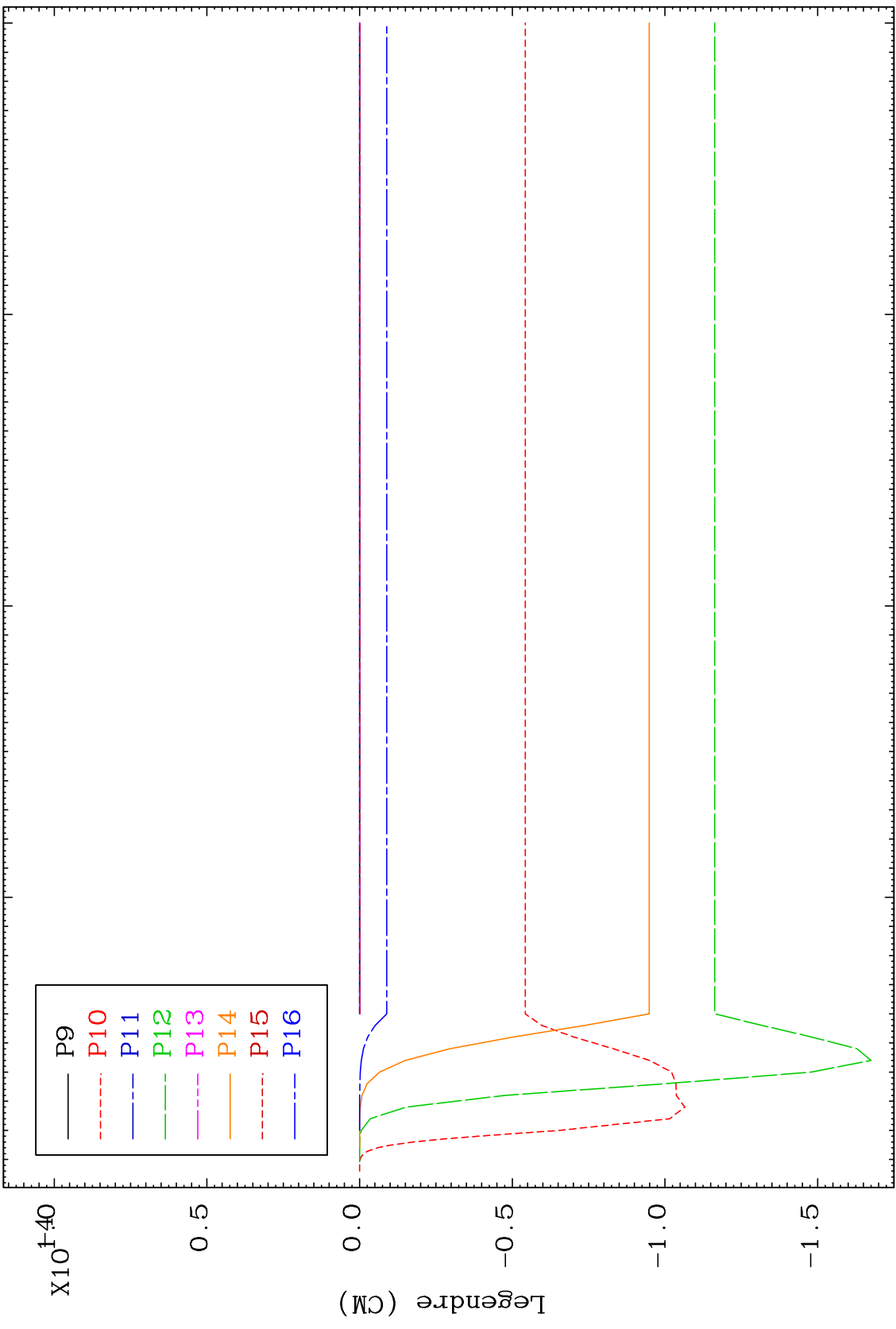
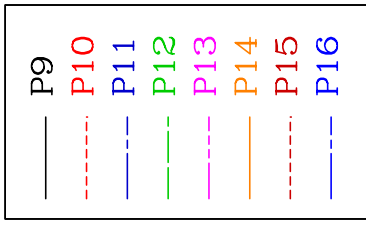
Incident Energy (MeV)

77

MAT 2925

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

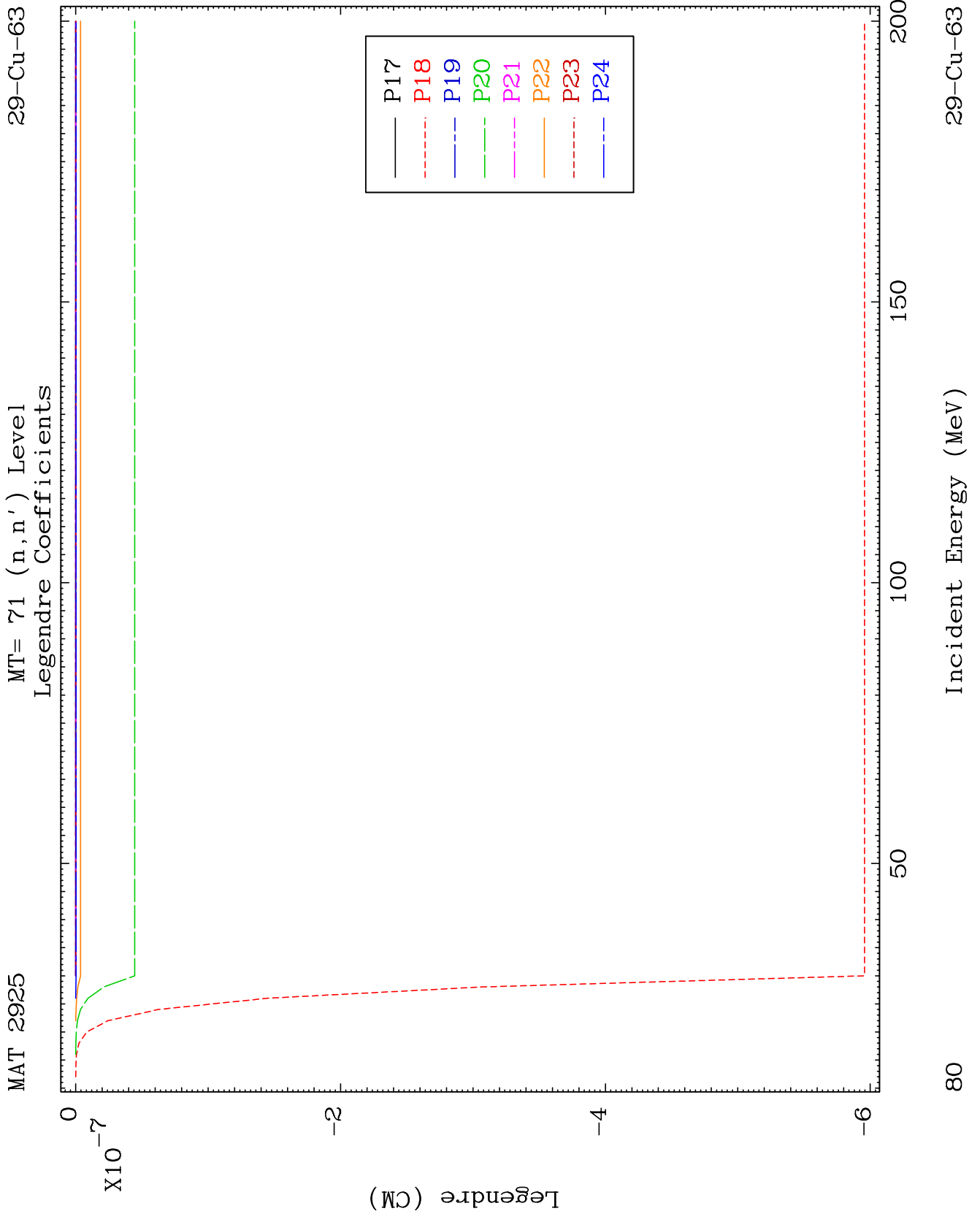
29-Cu-63



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Incident Energy (MeV)

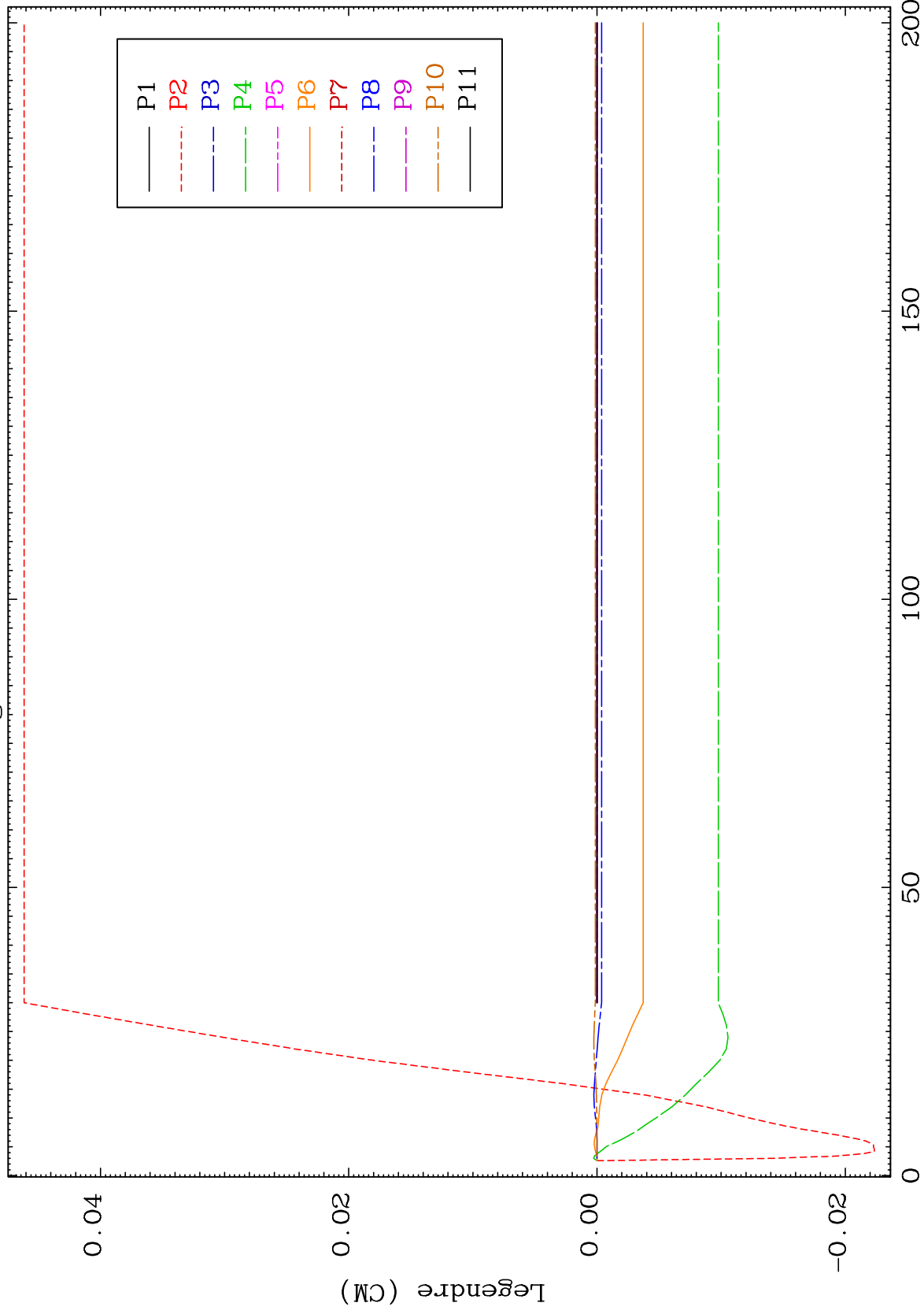
29-Cu-63



MAT 2925

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

29-Cu-63



81

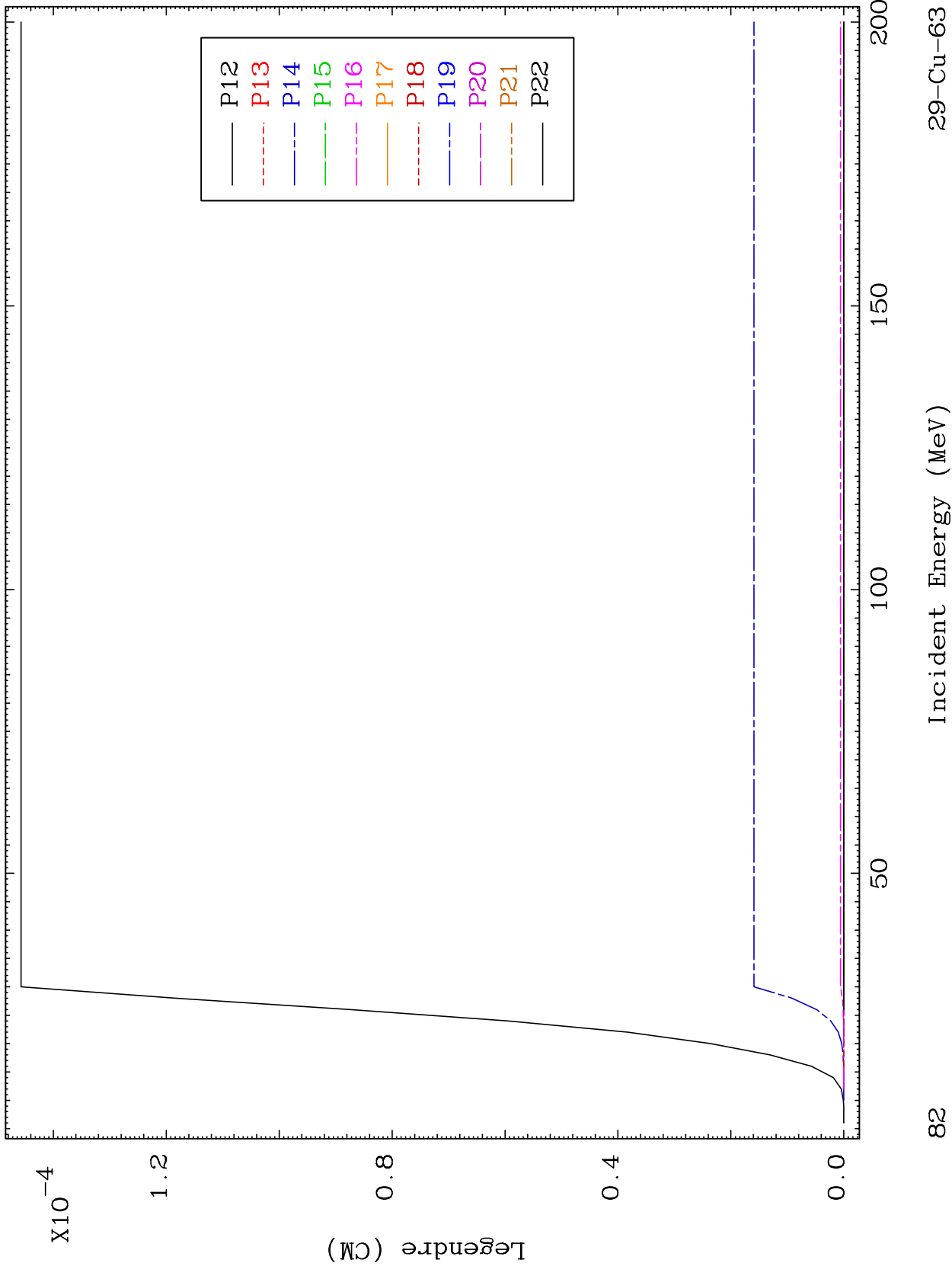
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

29-Cu-63



82

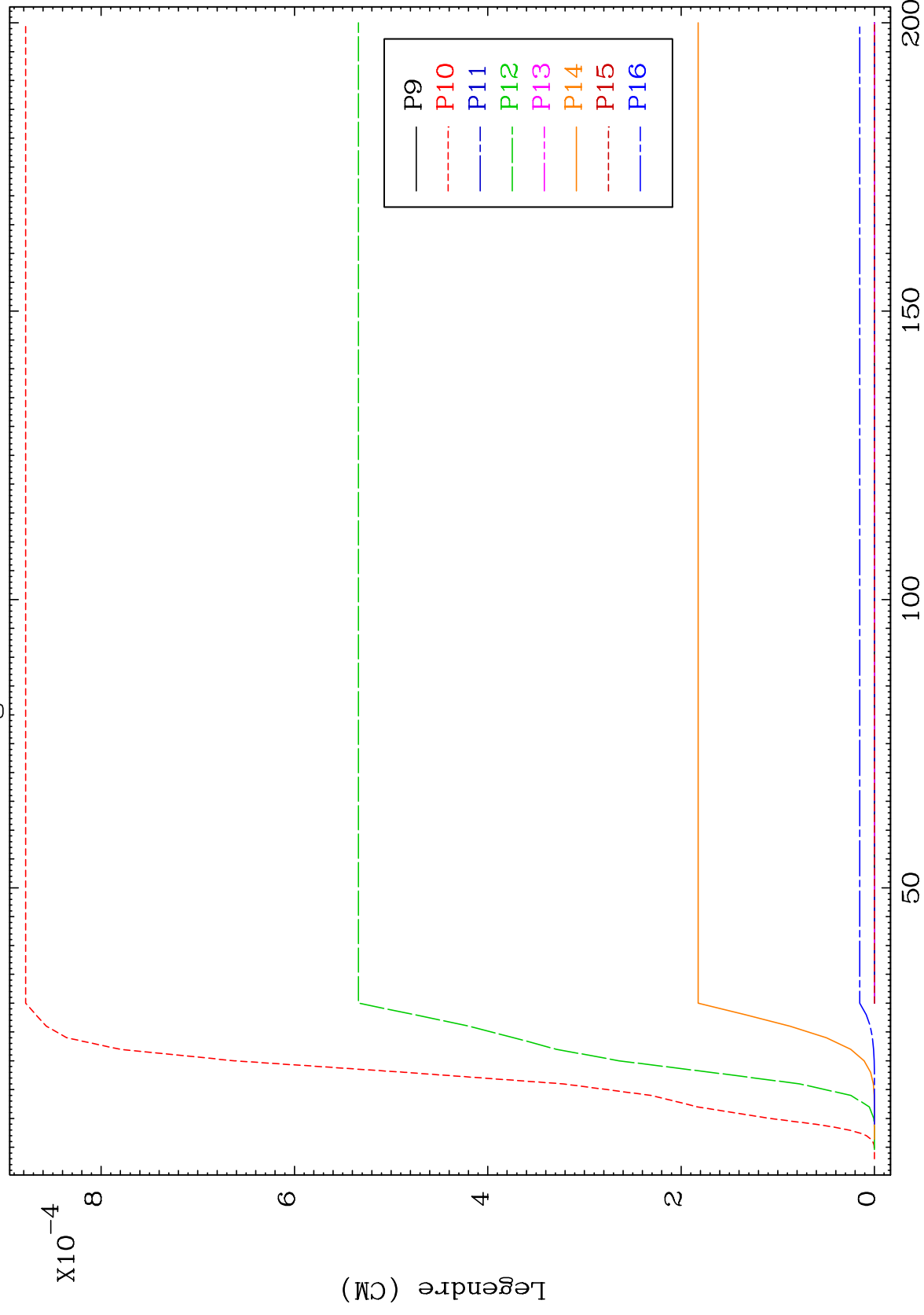
Incident Energy (MeV)

29-Cu-63

MAT 2925

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

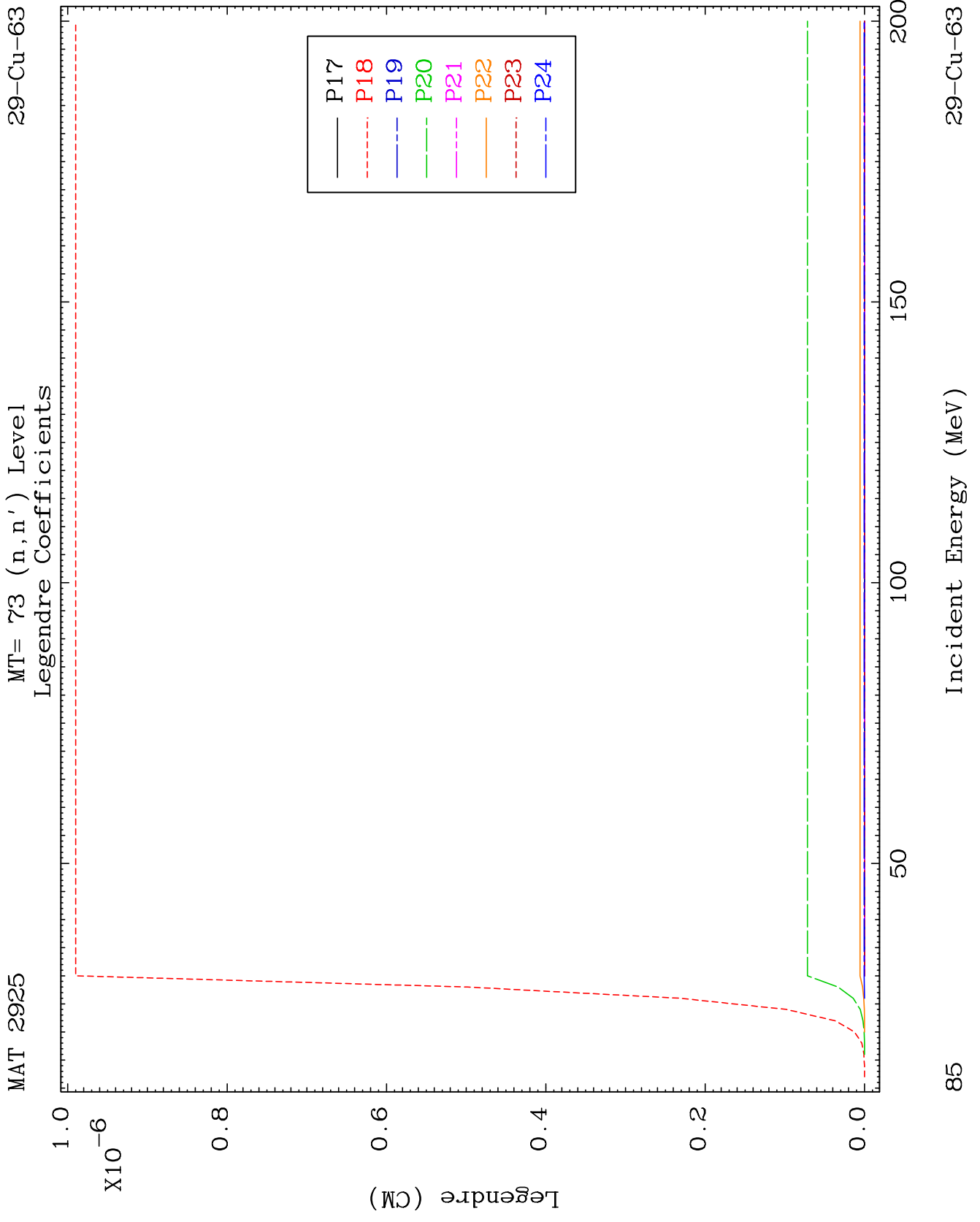
29-Cu-63

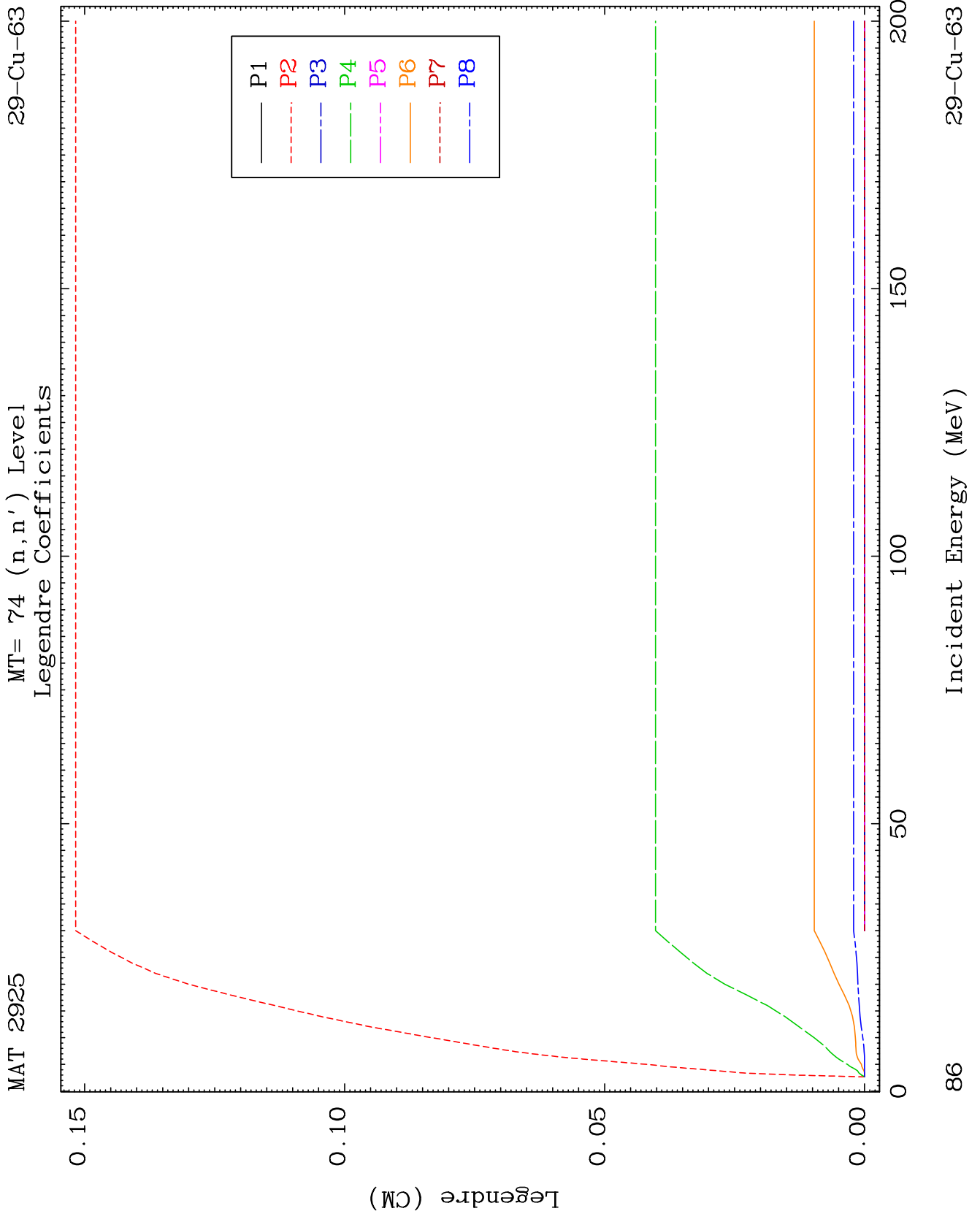


84

200

29-Cu-63

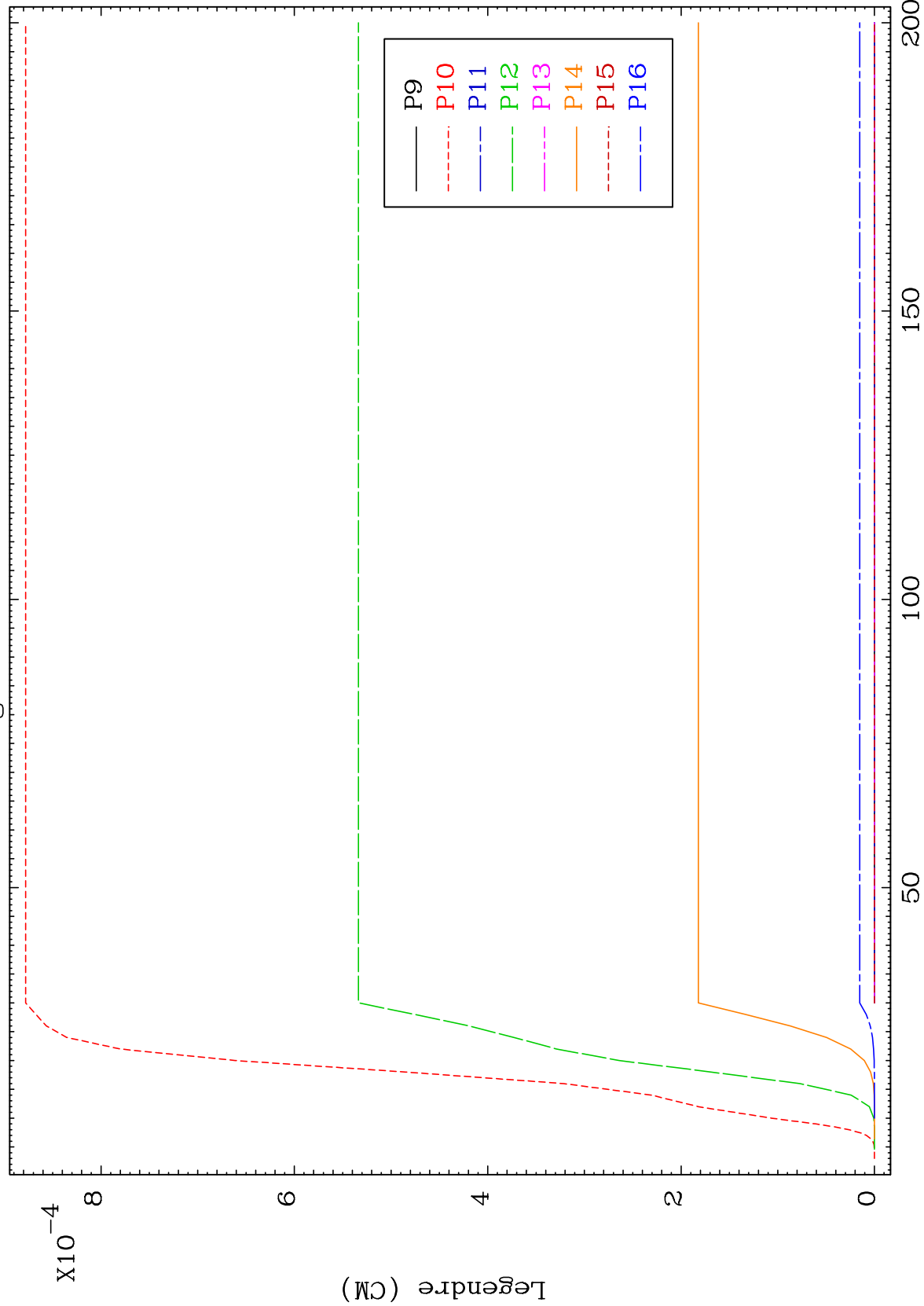




MAT 2925

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

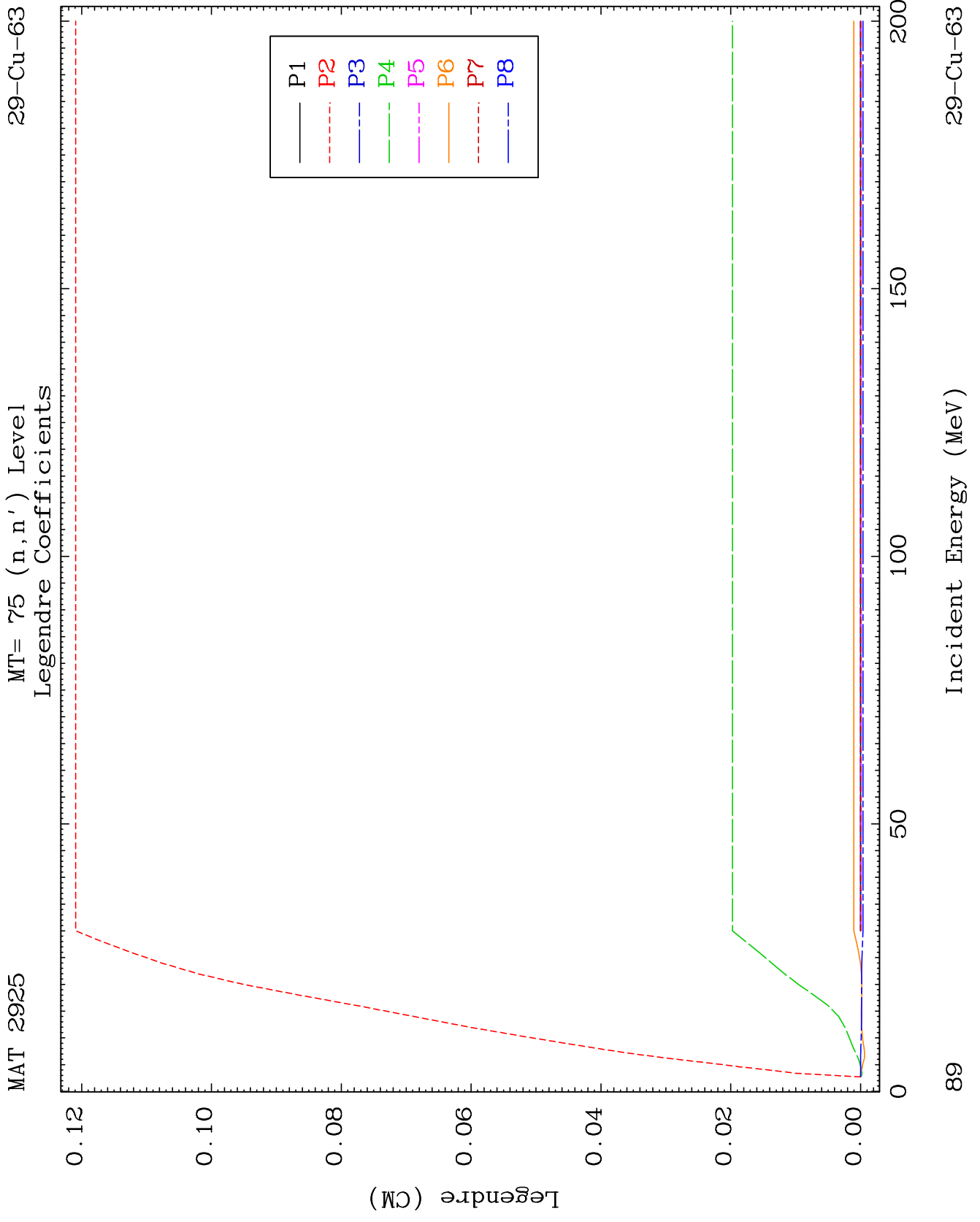
29-Cu-63



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Incident Energy (MeV)

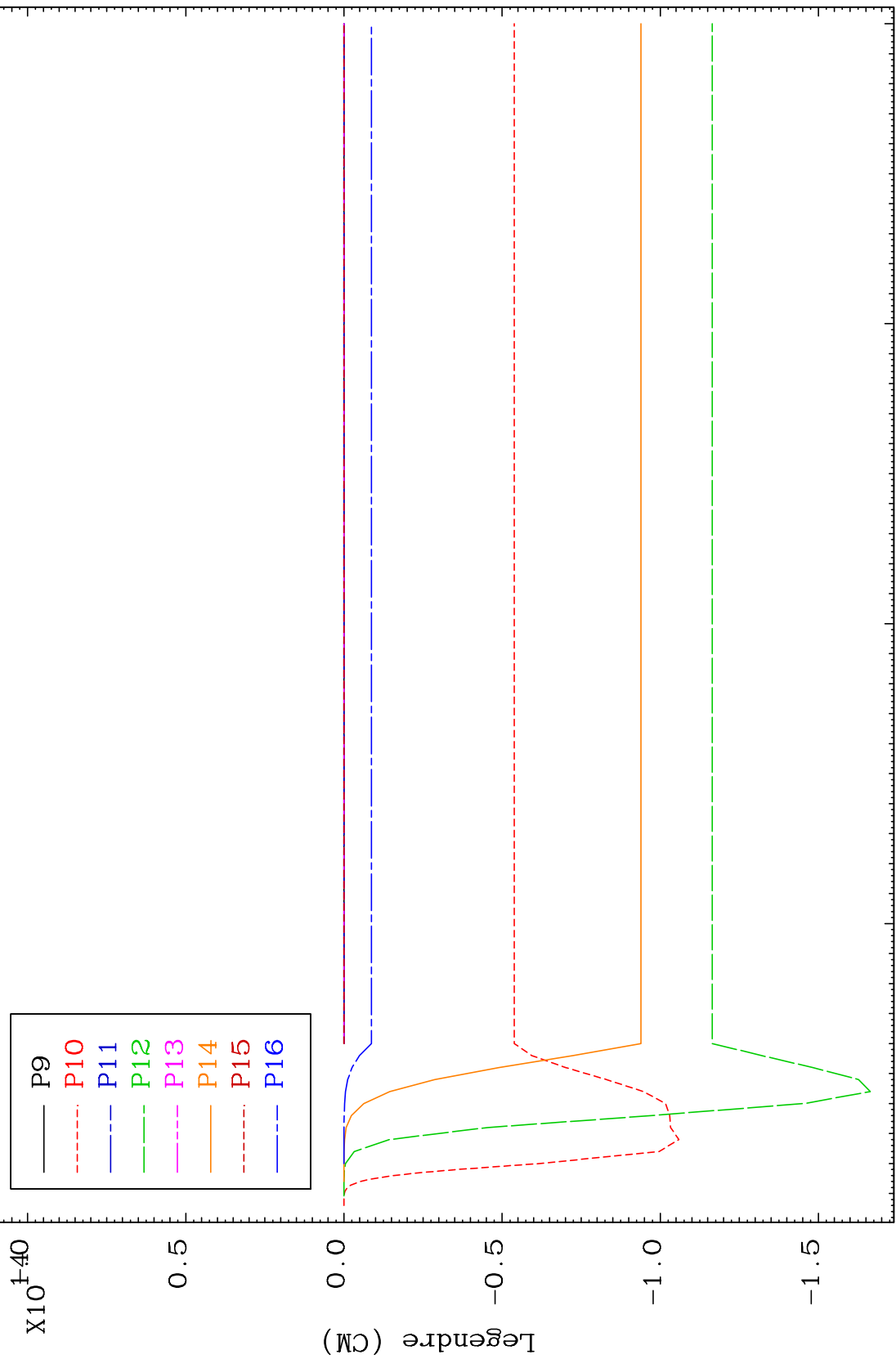
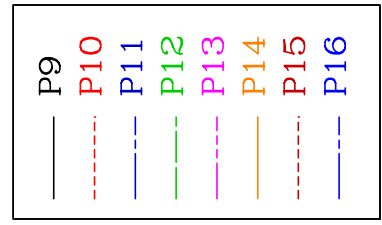
29-Cu-63



MAT 2925

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

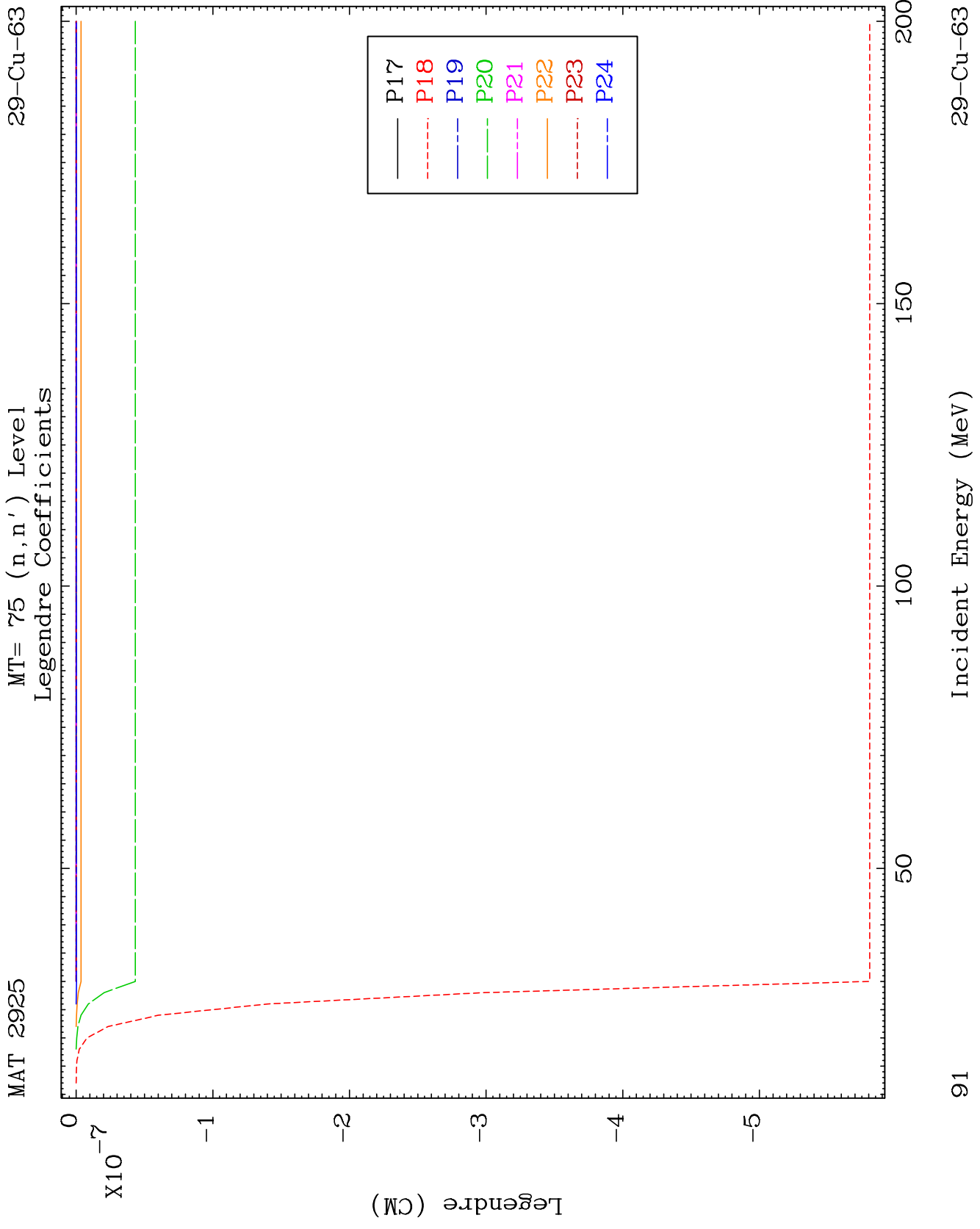
29-Cu-63



90

Incident Energy (MeV)

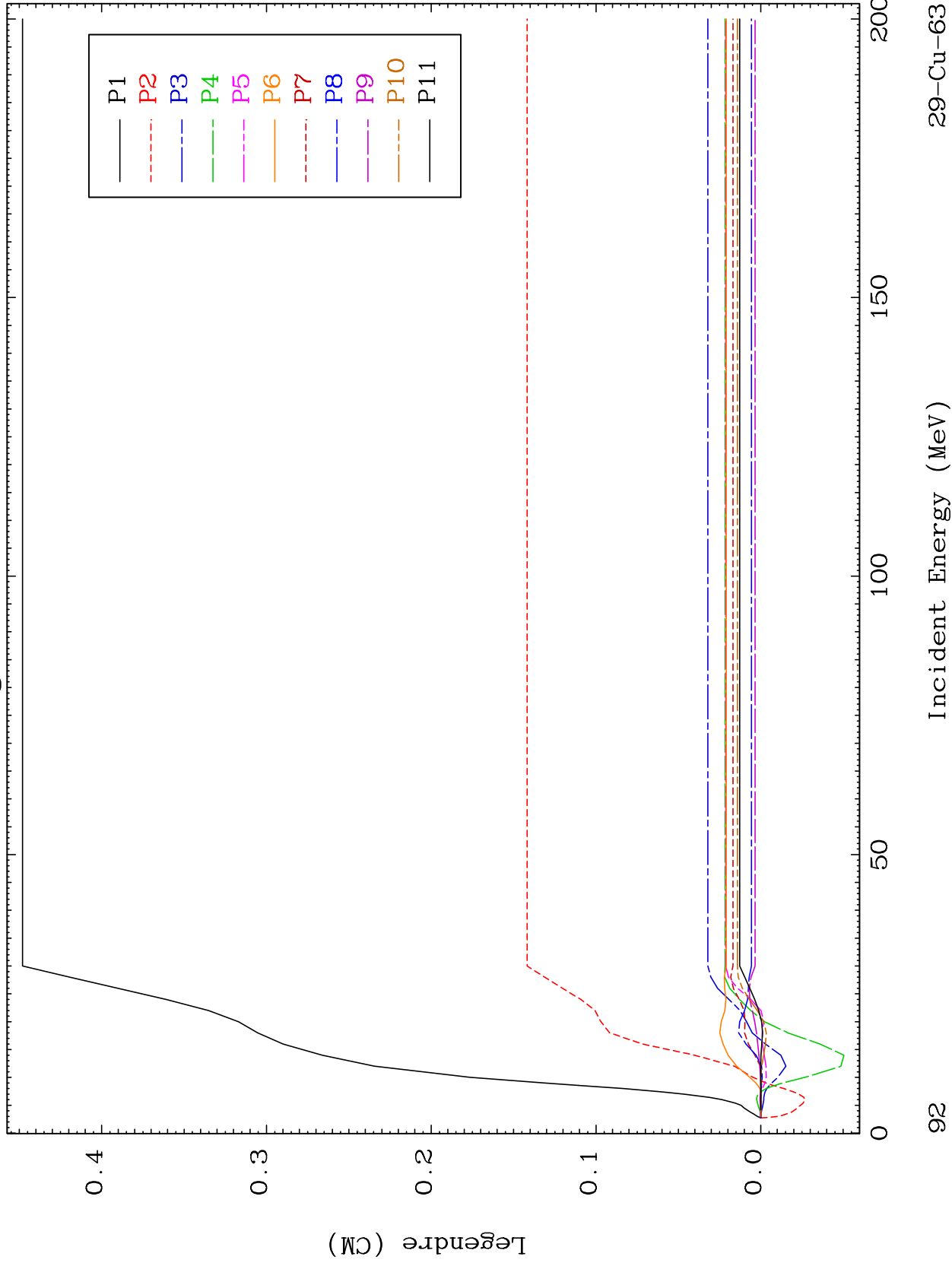
29-Cu-63



MAT 2925

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

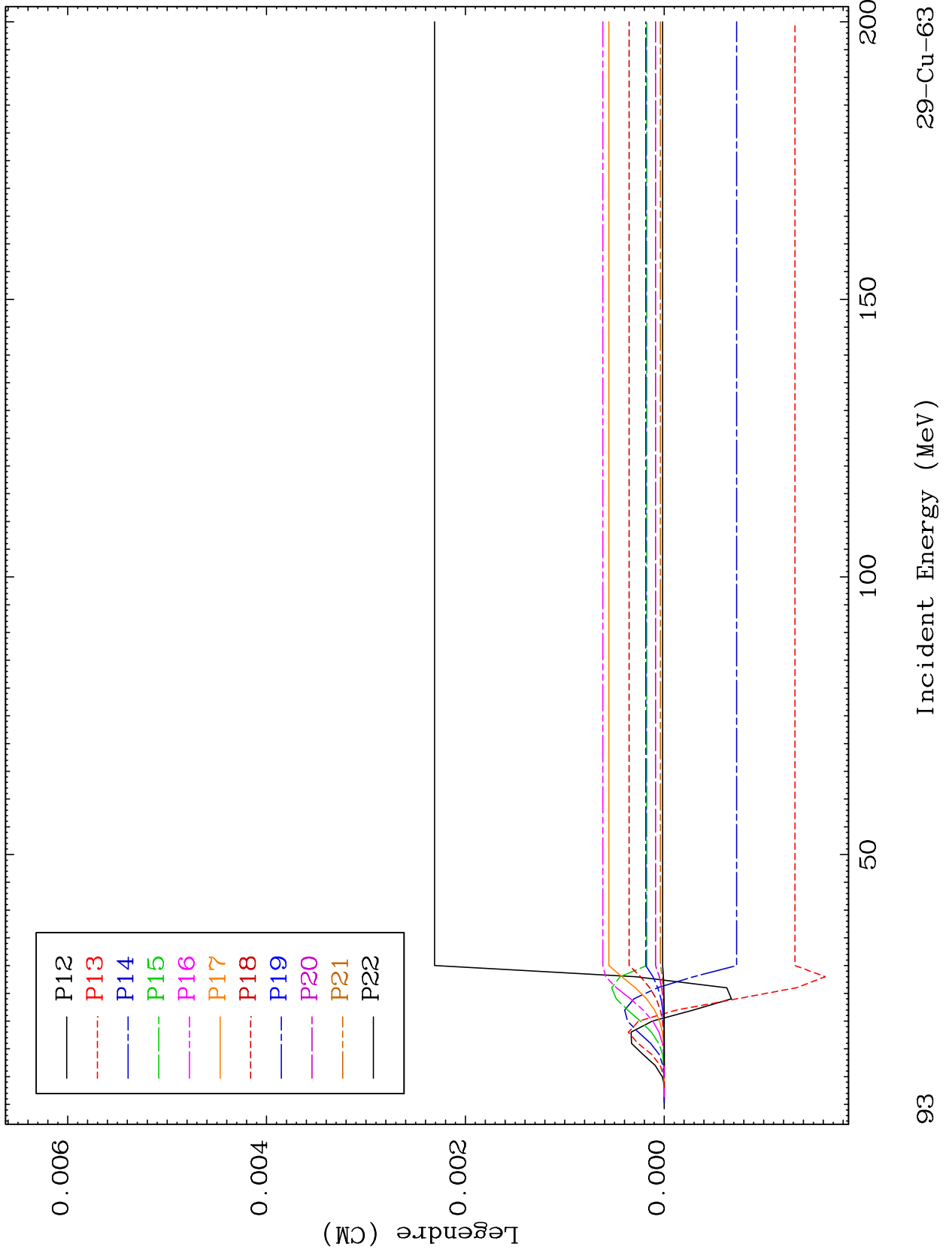
29-Cu-63



MAT 2925

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

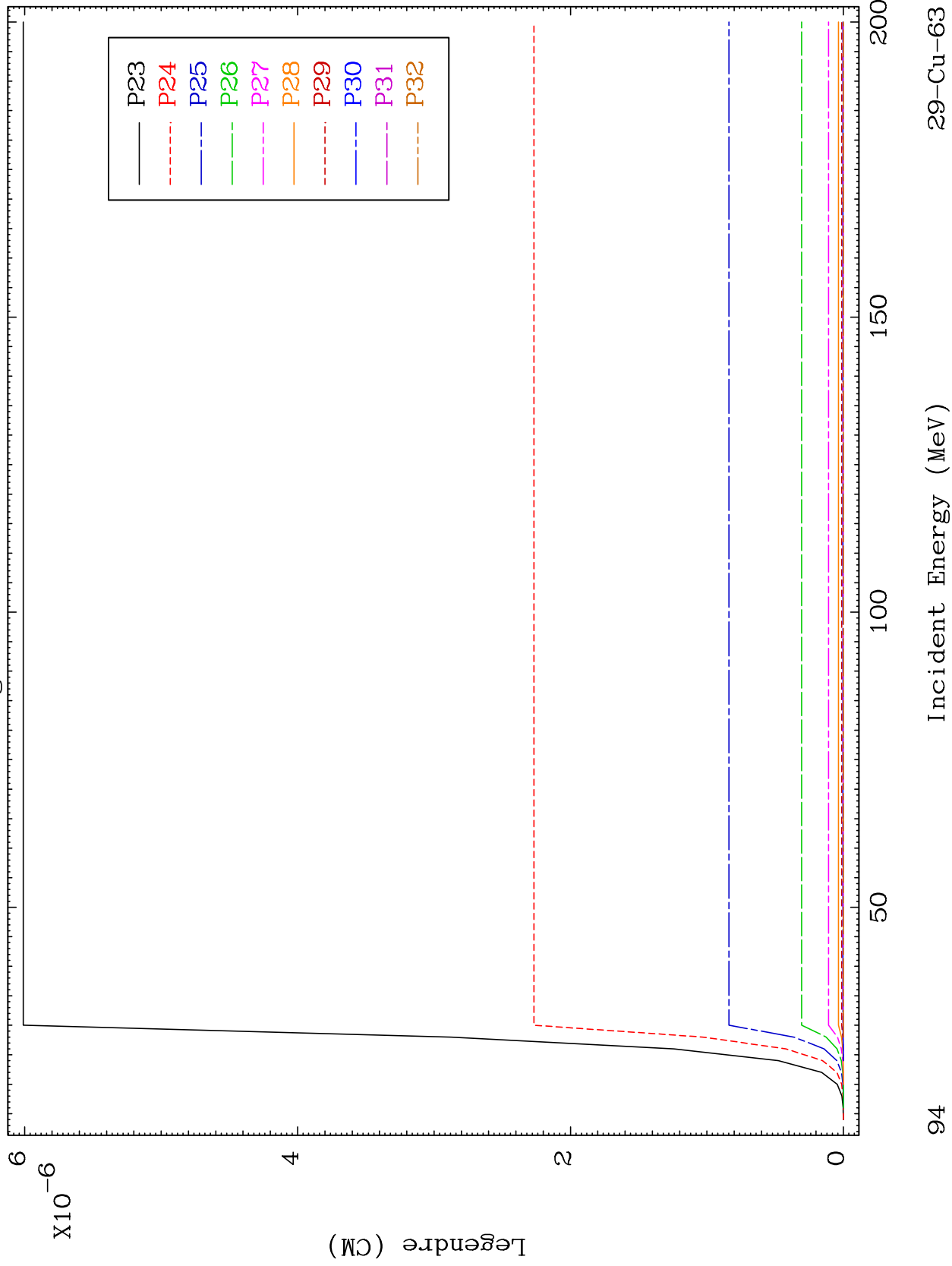
29-Cu-63

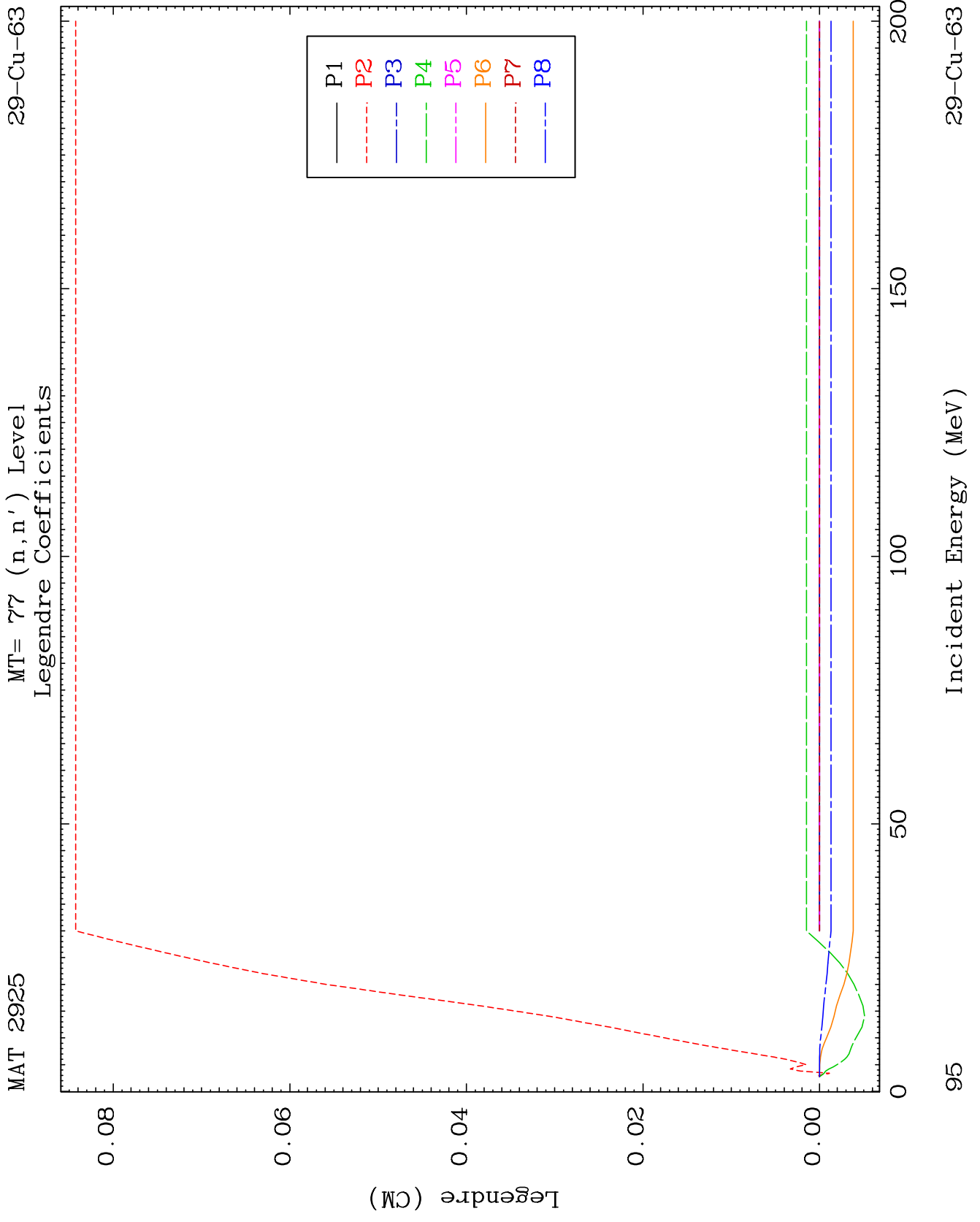


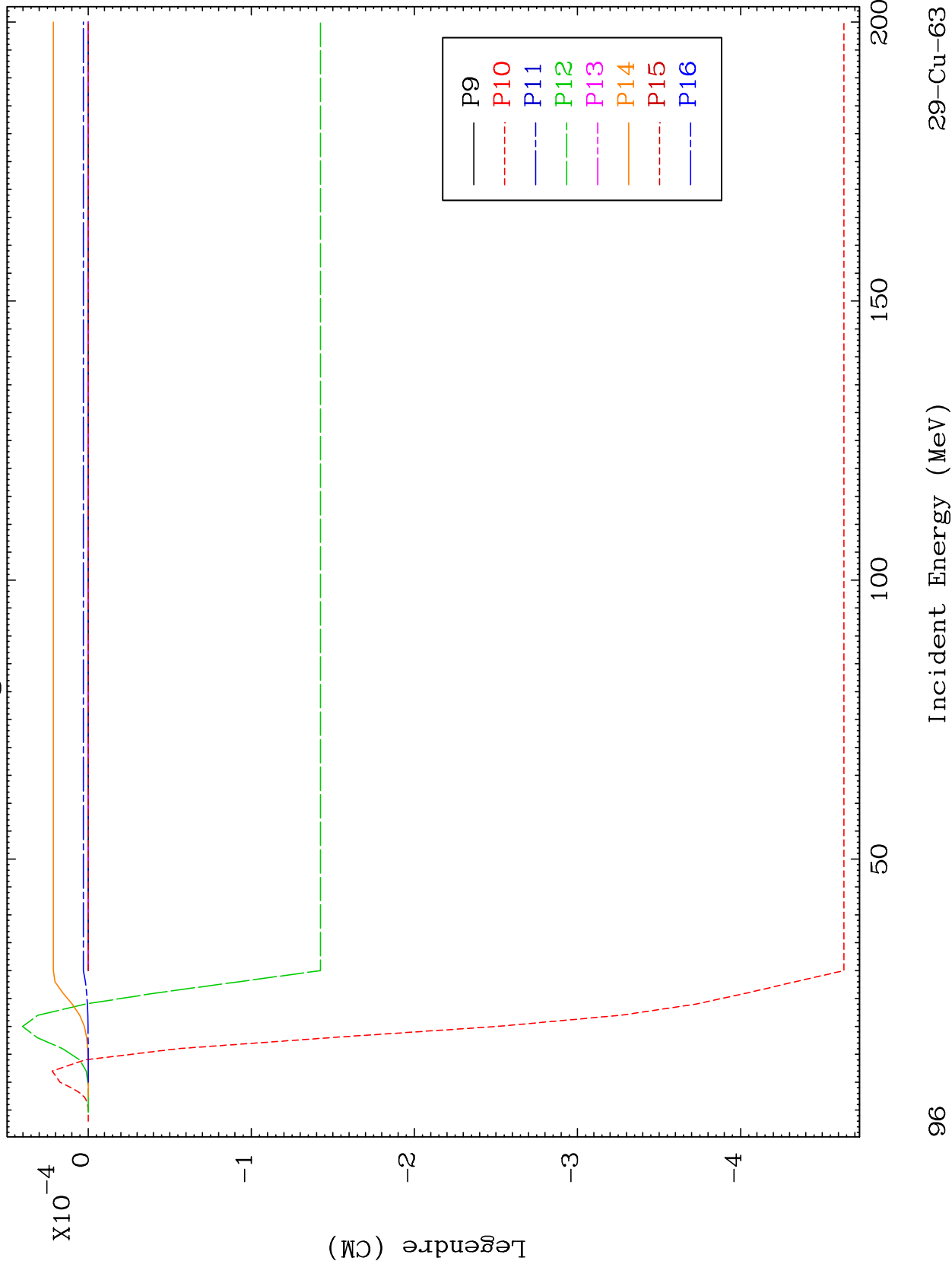
MAT 2925

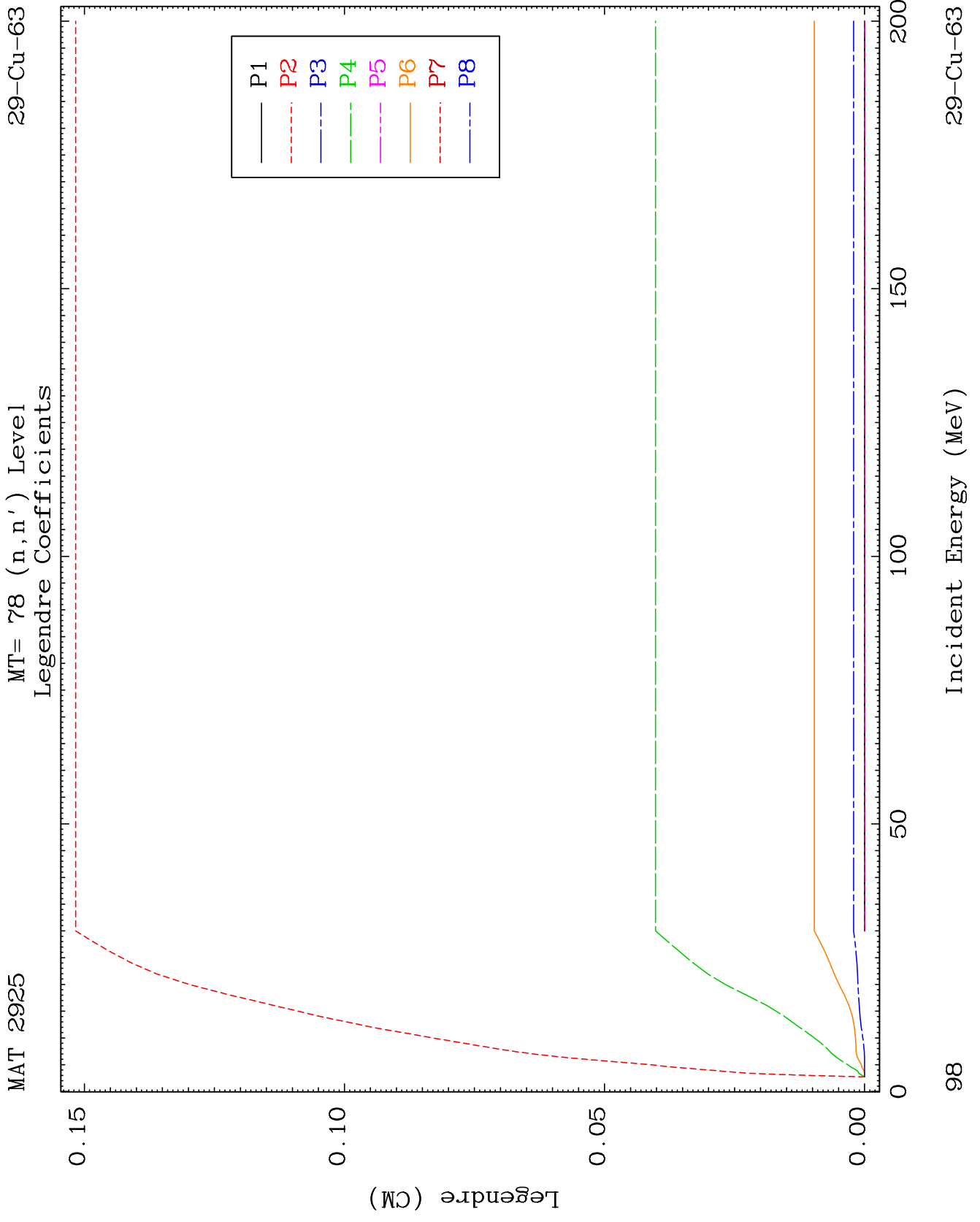
MT= 76 (n,n') Level
Legendre Coefficients

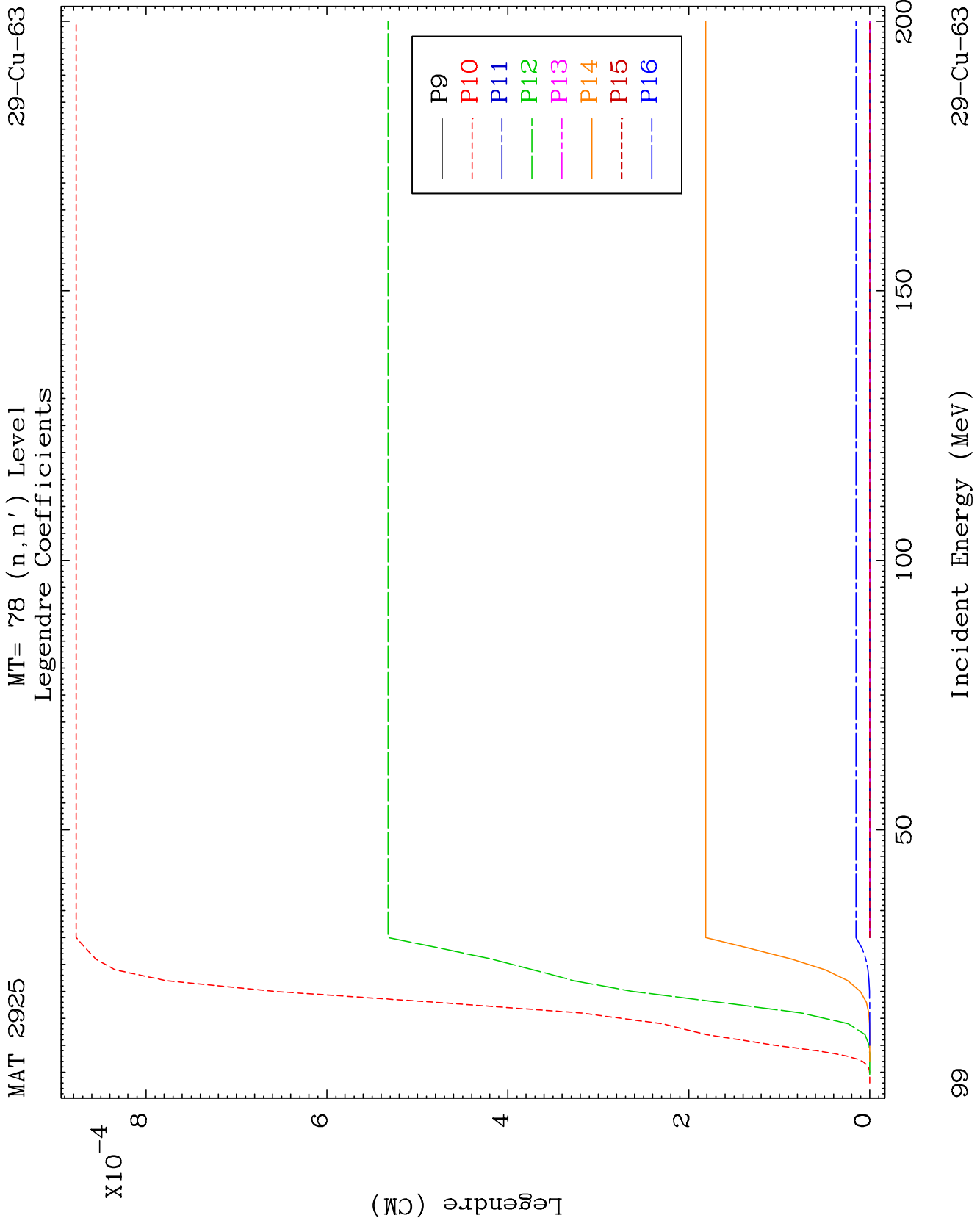
29-Cu-63

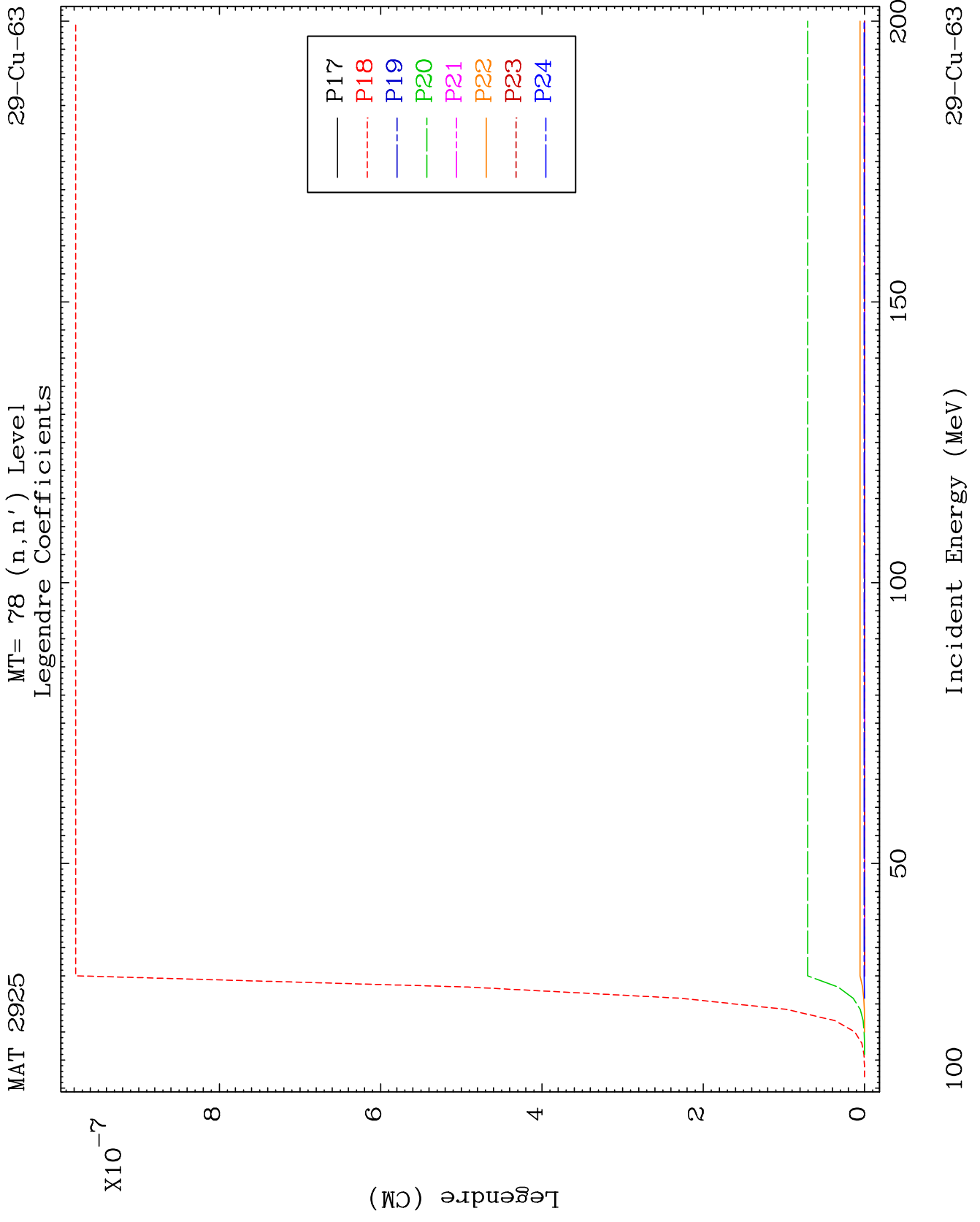


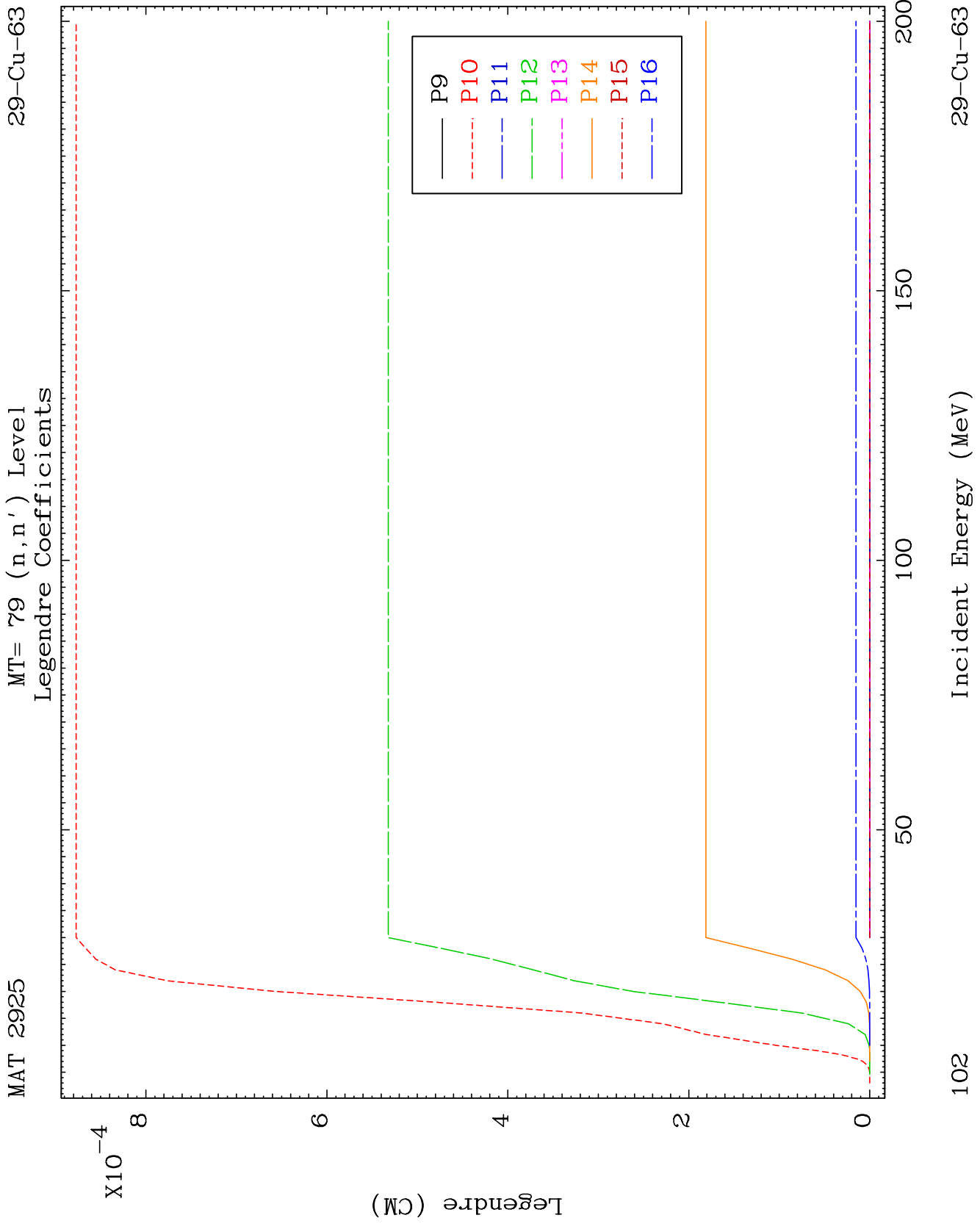










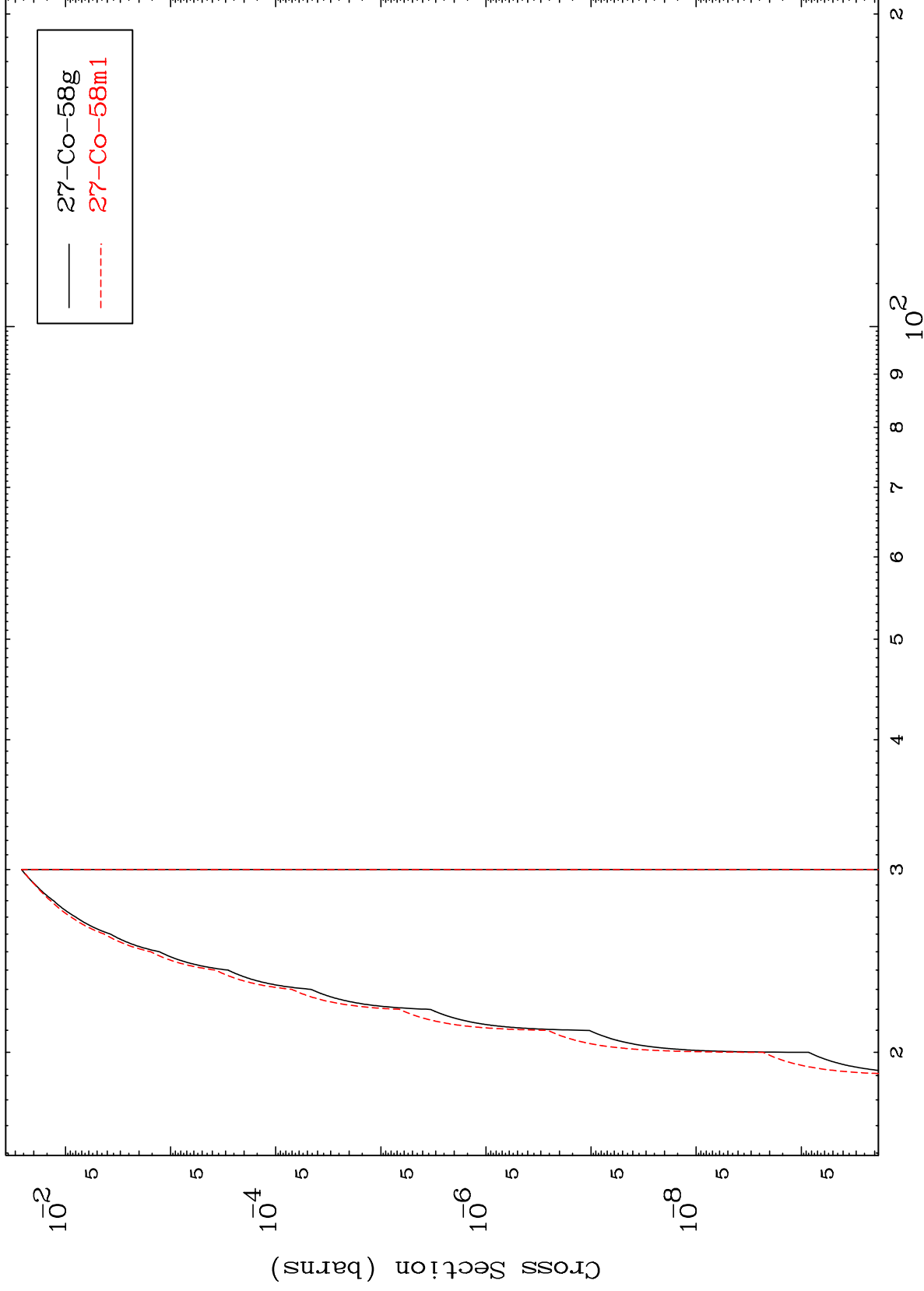


MAT 2925

(n,2n) α

29-Cu-63

Radionuclide Production Cross Section

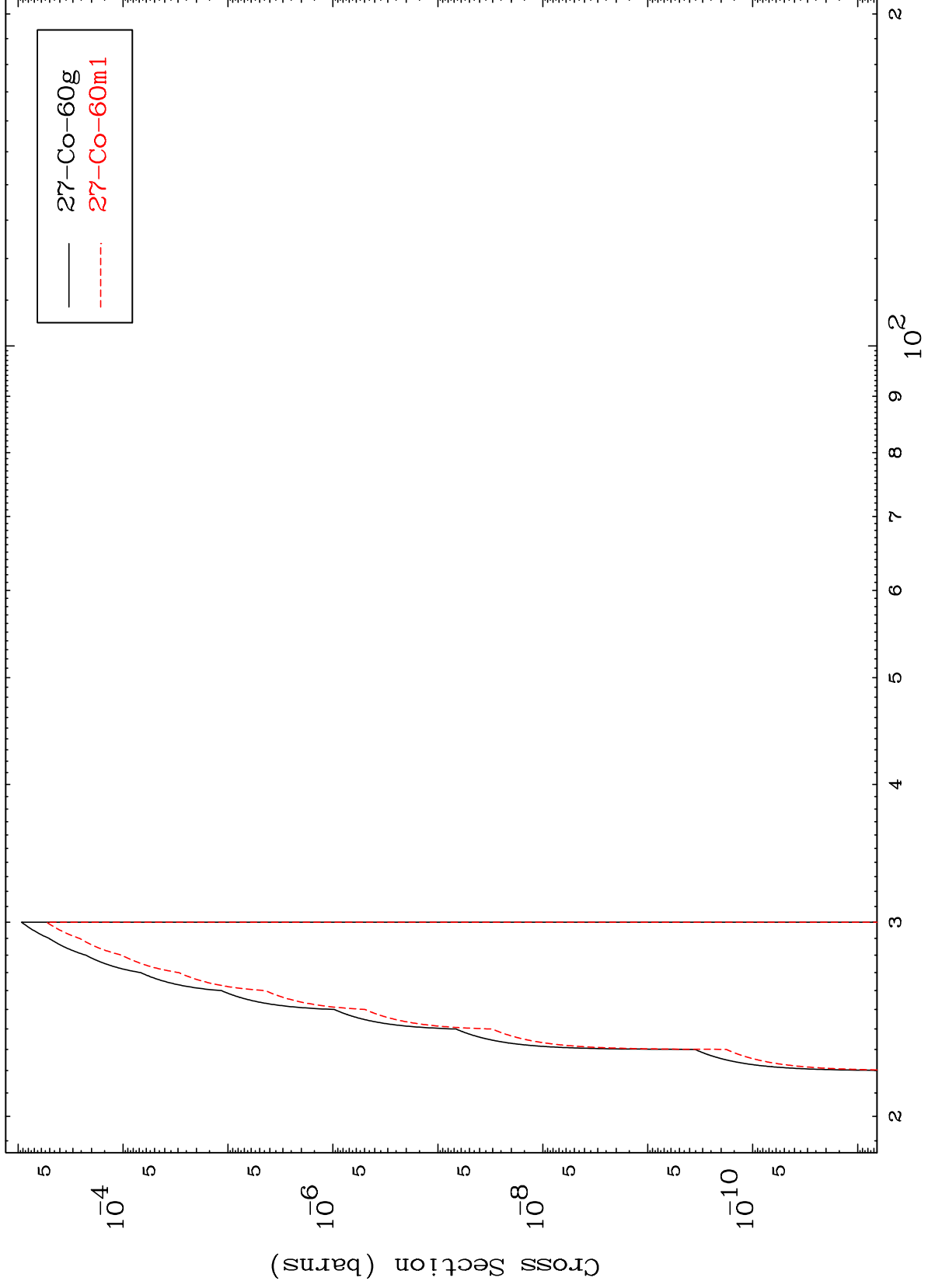


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Incident Energy (MeV)

29-Cu-63

Radionuclide Production Cross Section



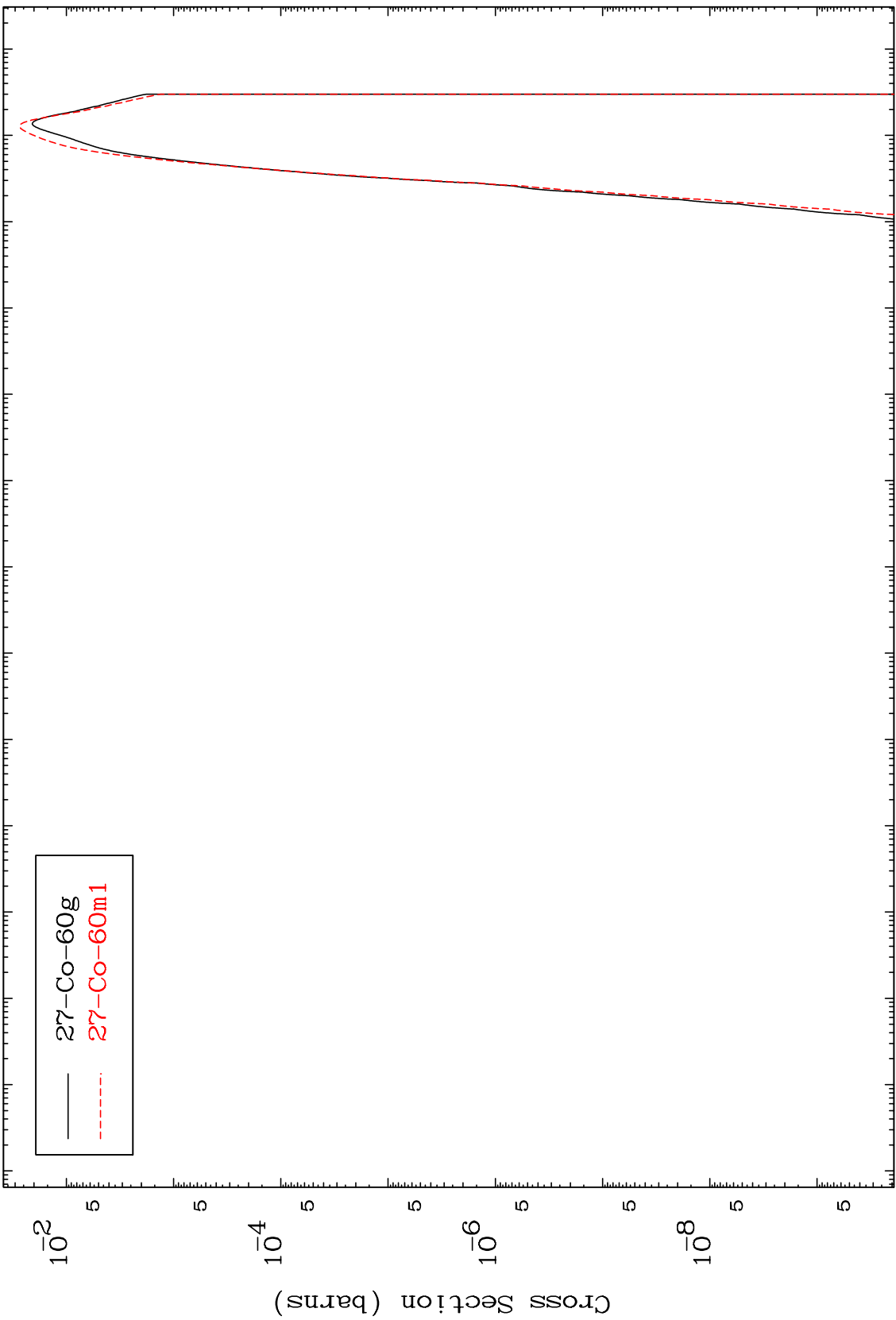
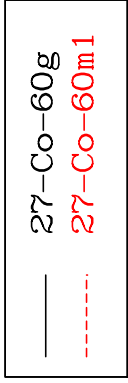
— 27-Co-60g
- - - 27-Co-60m1

MAT 2925

(n, α)

²⁹Cu-63

Radionuclide Production Cross Section



²⁹Cu-63

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

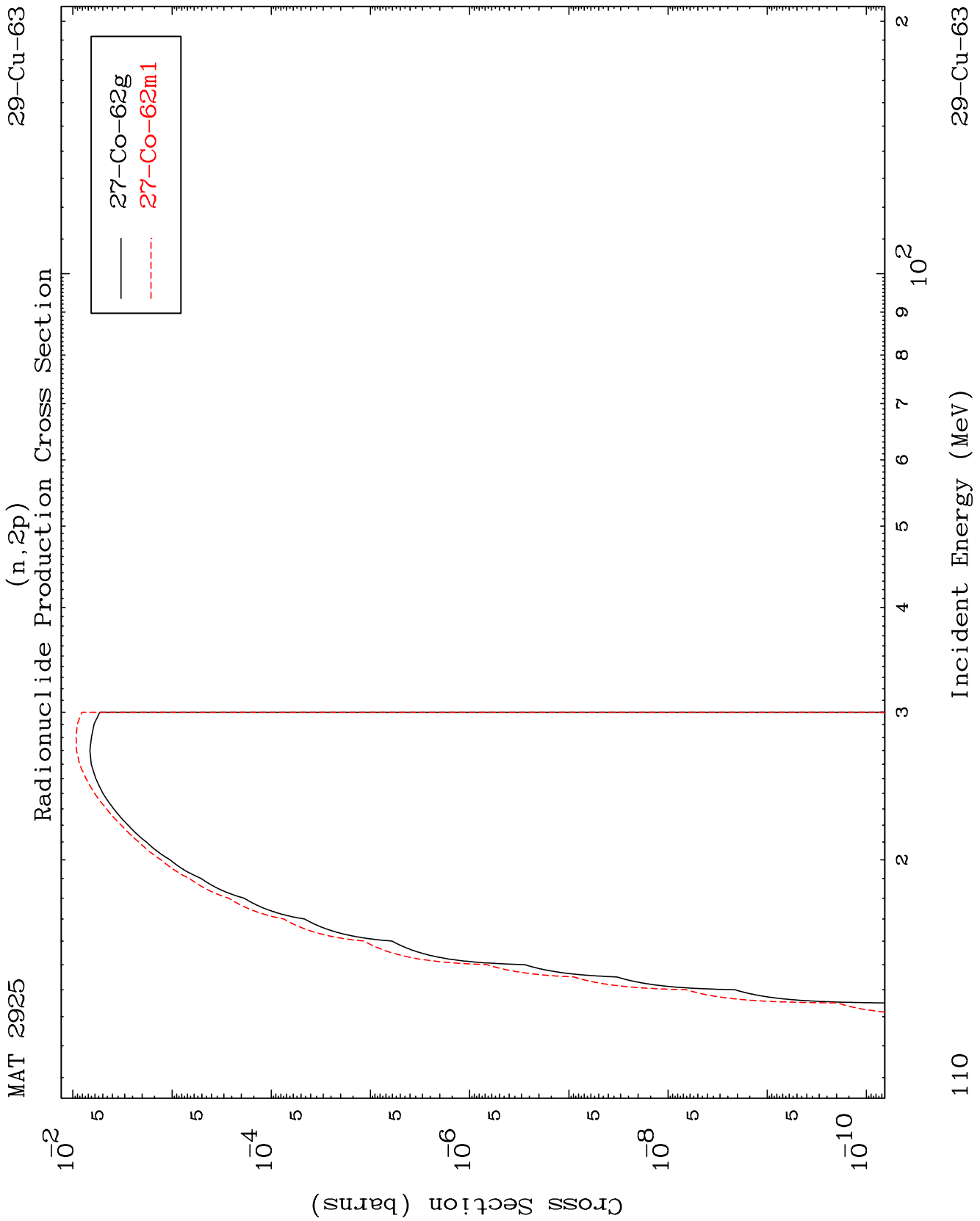
10⁻¹⁰

10⁰

10²

Incident Energy (MeV)

109

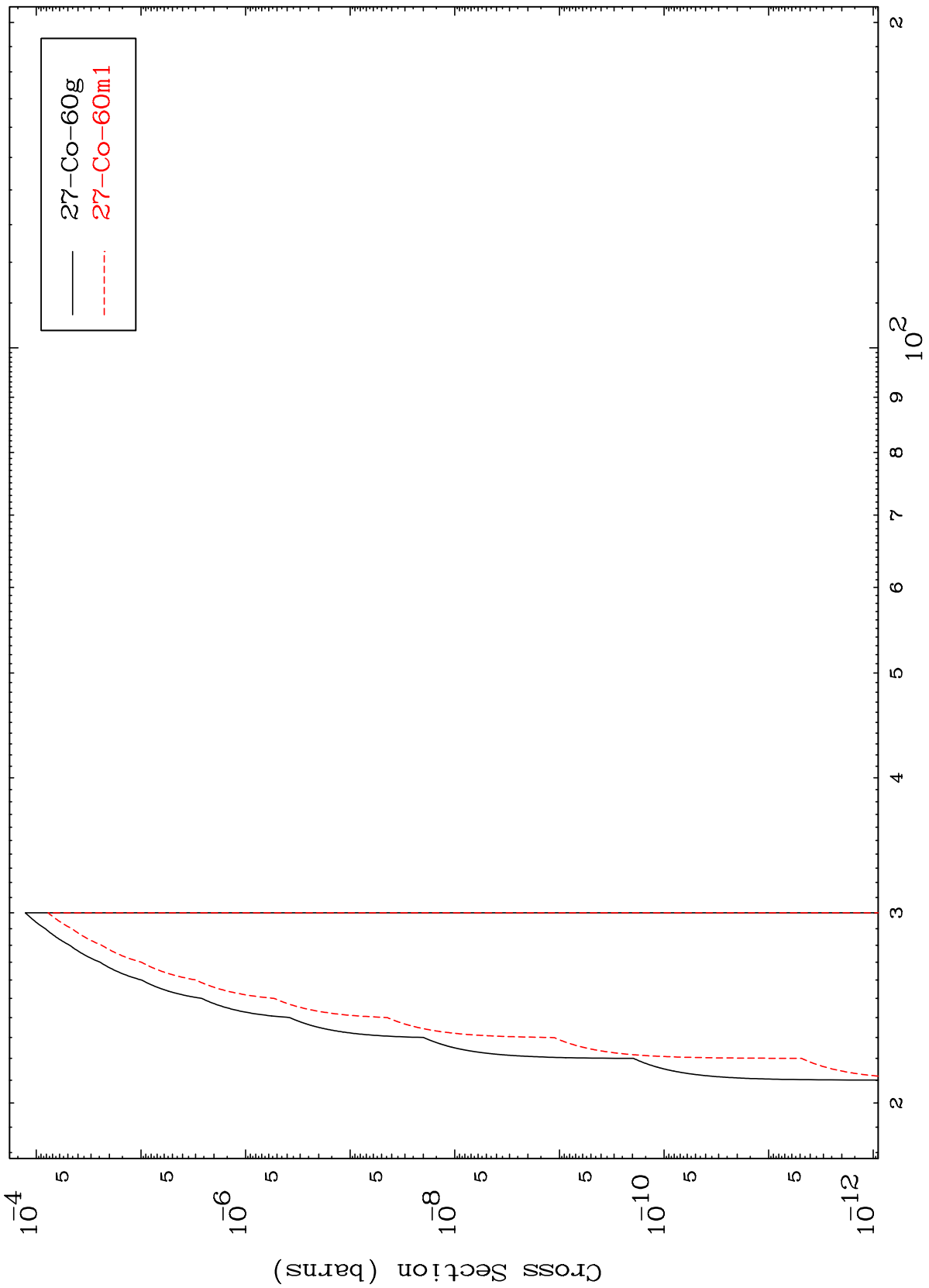


MAT 2925

(n,p) t

29-Cu-63

Radionuclide Production Cross Section



27-Co-60g
27-Co-60m1

111

Incident Energy (MeV)

29-Cu-63