

Program EVALPLOT  
(Version 2018-1)

by

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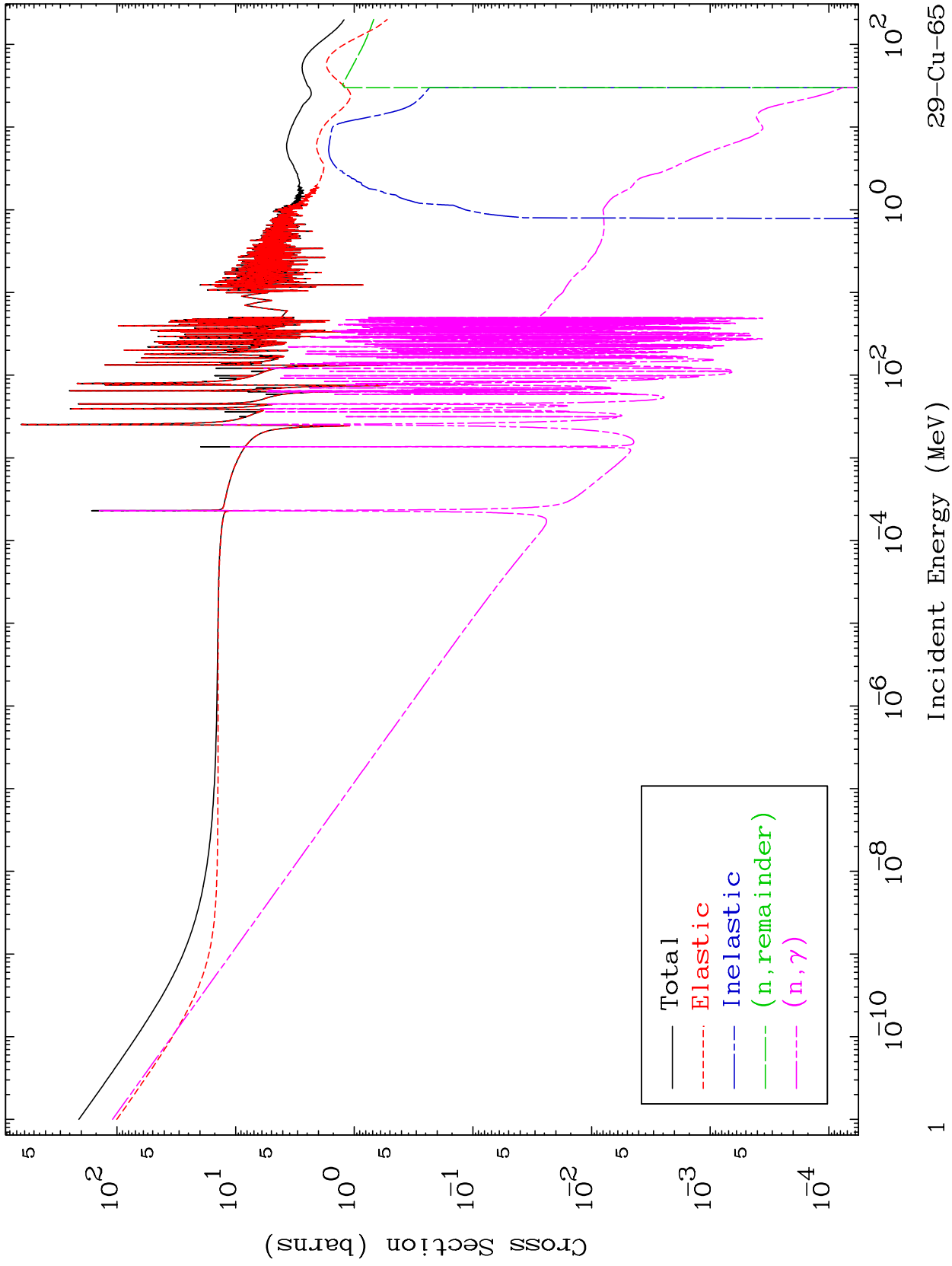
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2931

Major  
293 Kelvin Cross Sections

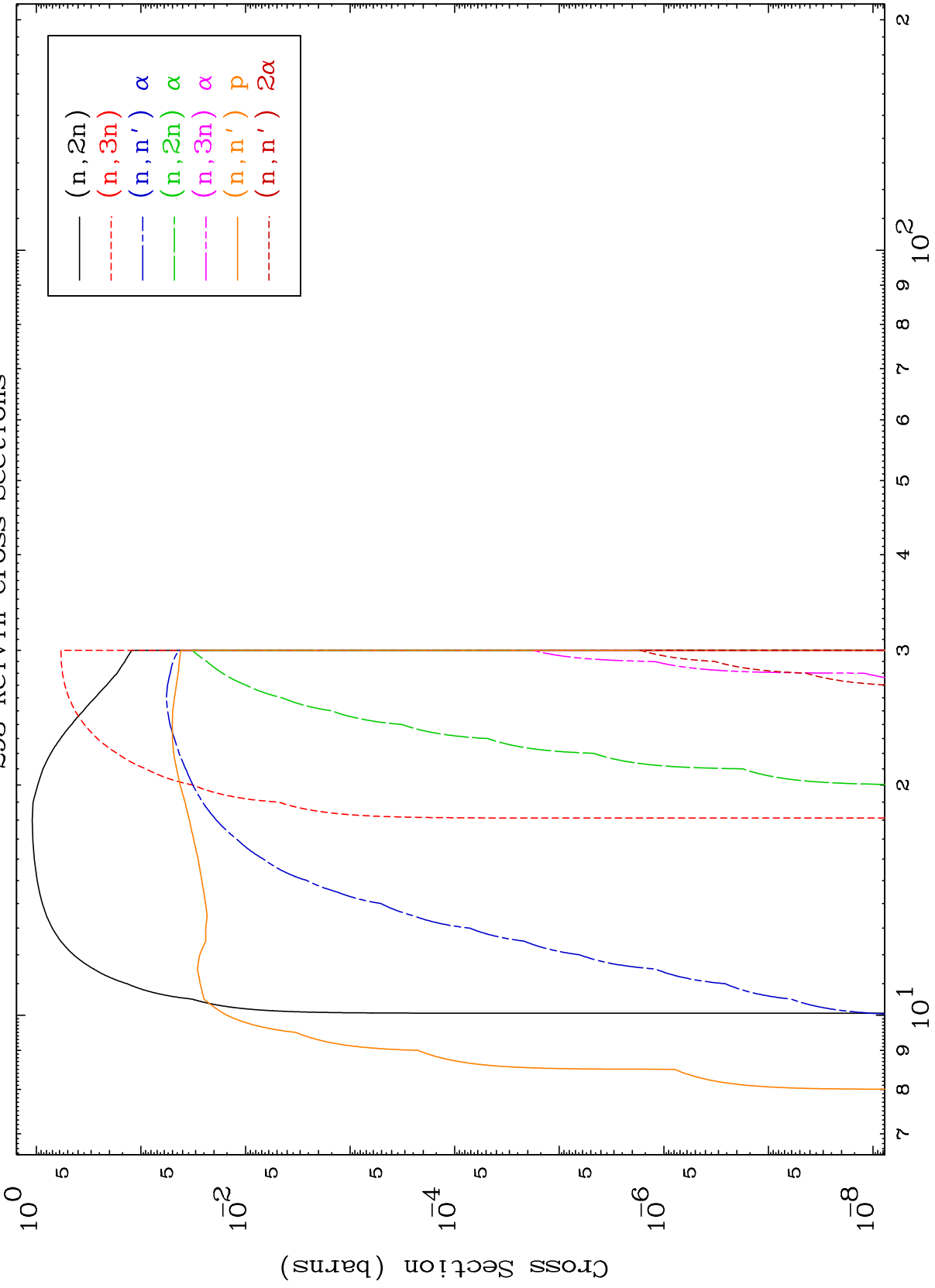
29-Cu-65



MAT 2931

### Neutron Production 293 Kelvin Cross Sections

29-Cu-65



2

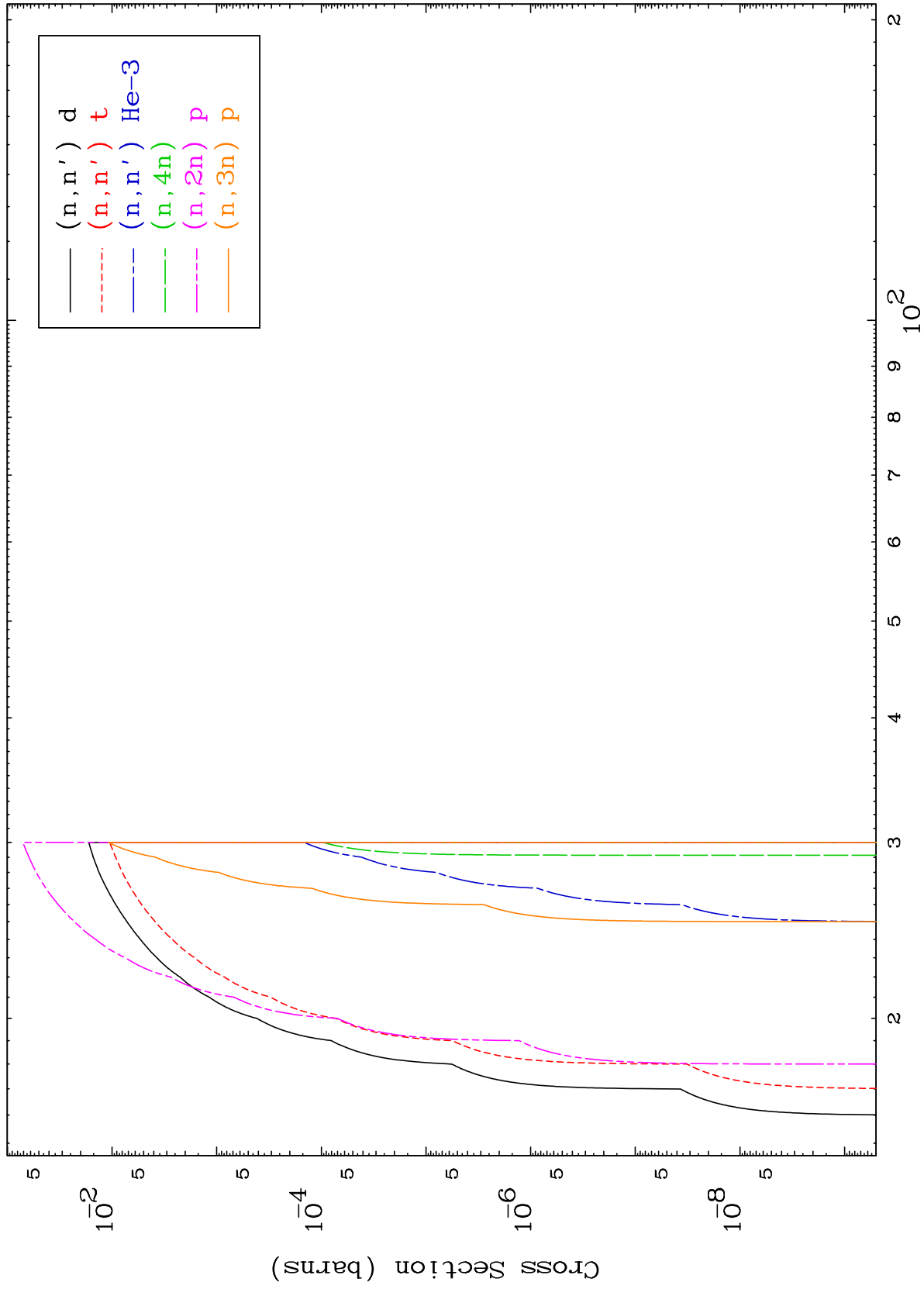
Incident Energy (MeV)

29-Cu-65

MAT 2931

Neutron Production  
293 Kelvin Cross Sections

29-Cu-65



3

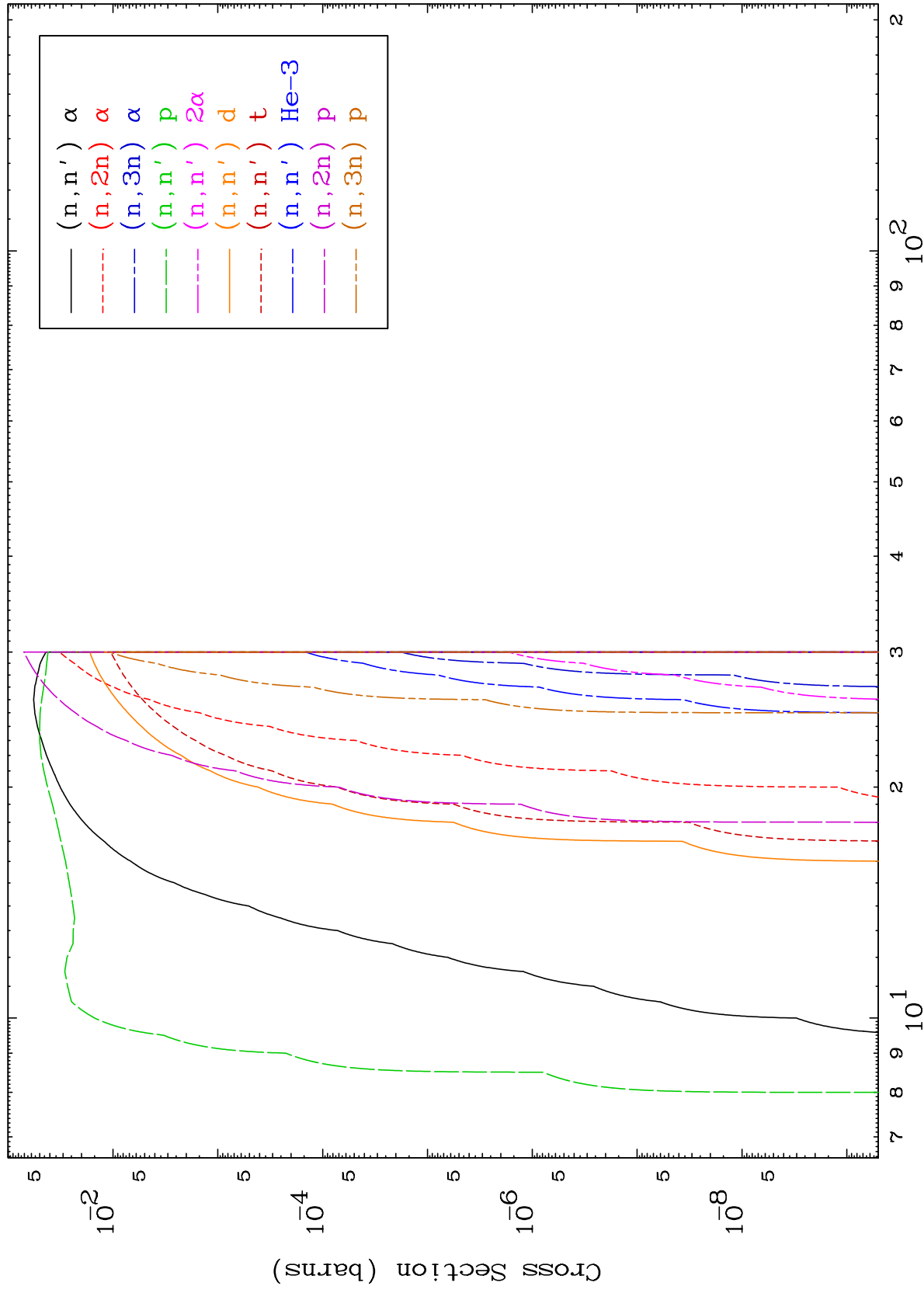
Incident Energy (MeV)

29-Cu-65

MAT 2931

Charged Particle  
293 Kelvin Cross Sections

29-Cu-65

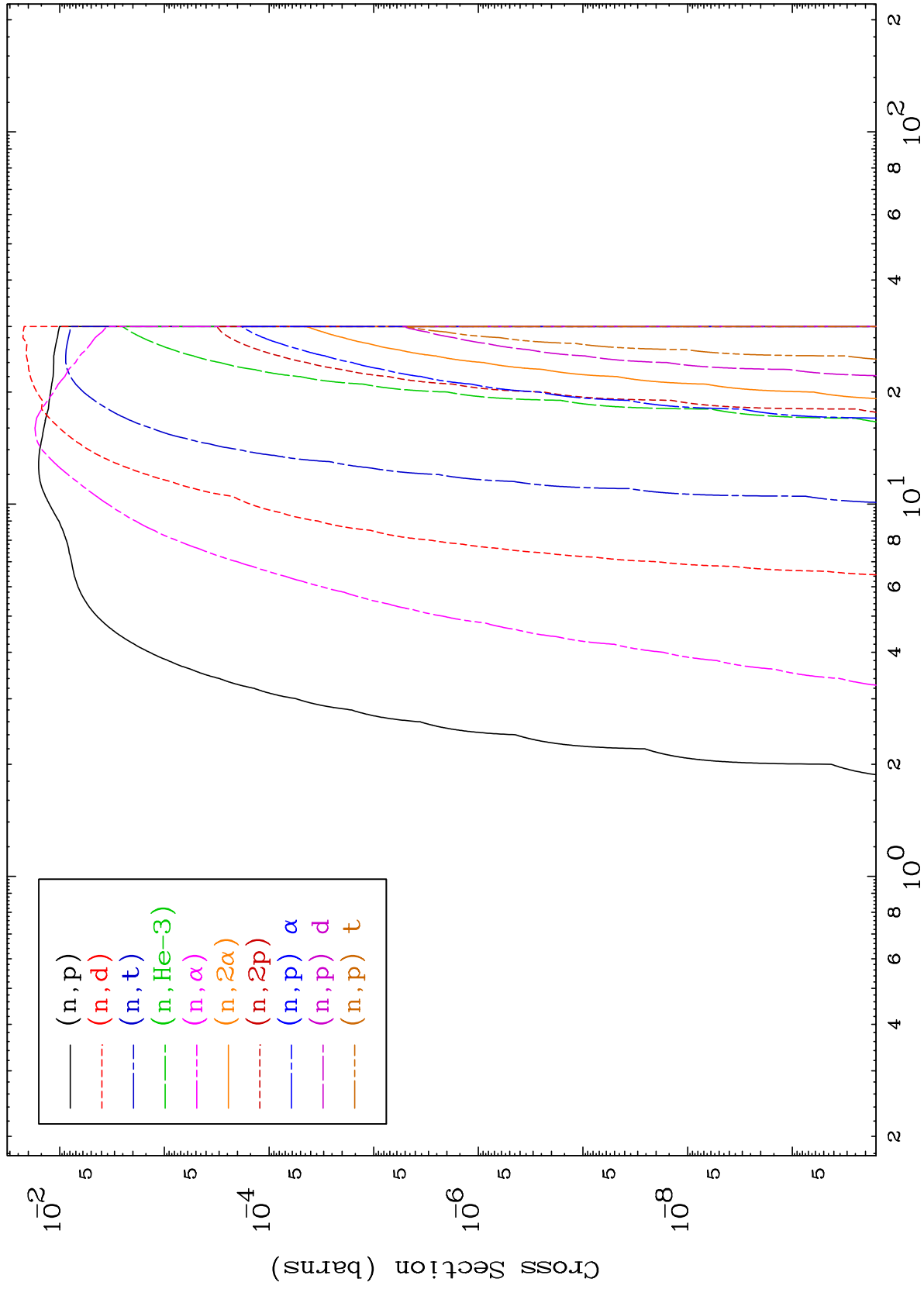


4

MAT 2931

293 Kelvin Cross Sections

29-Cu-65



5

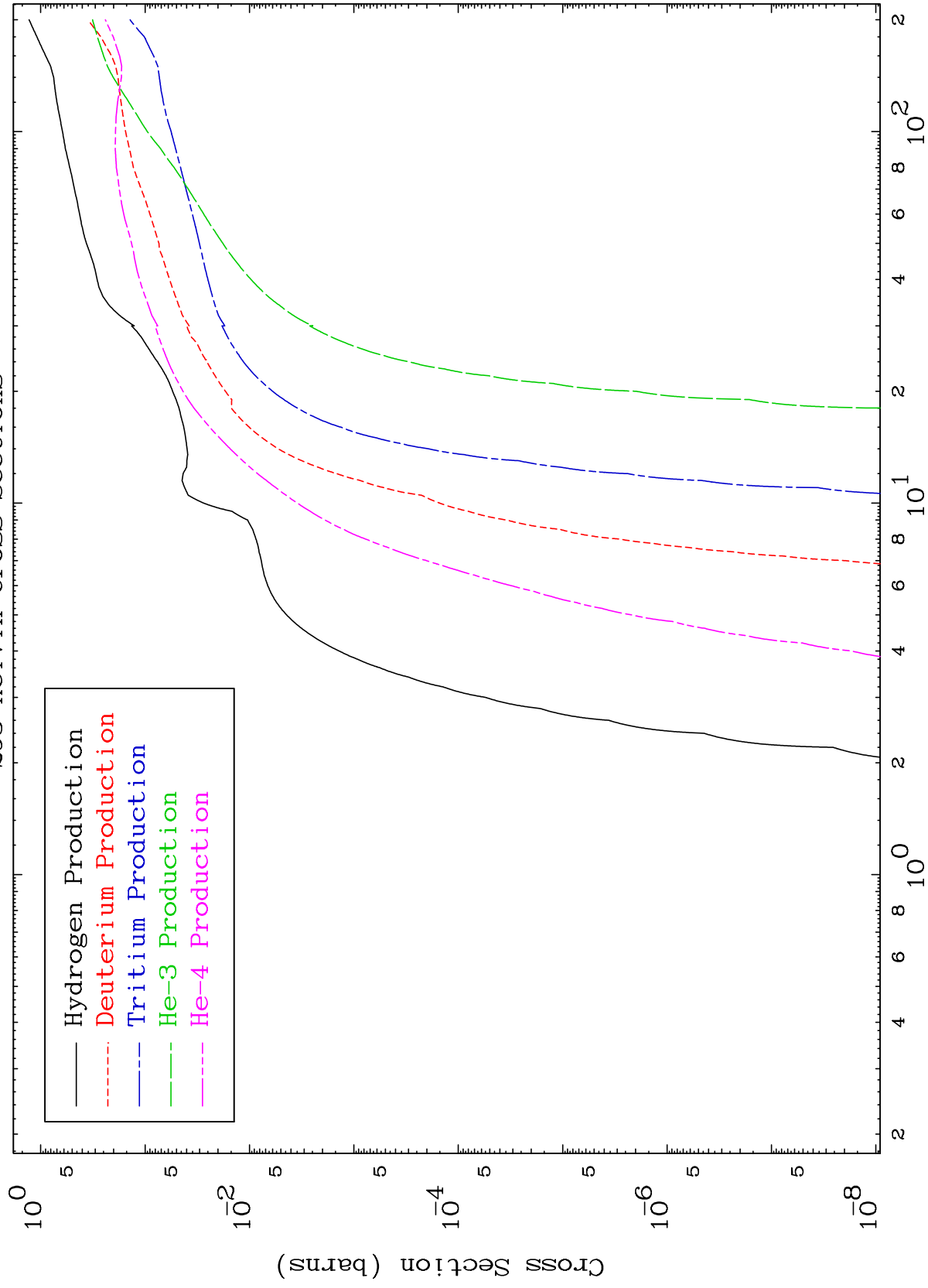
Incident Energy (MeV)

29-Cu-65

MAT 2931

Particle Production  
293 Kelvin Cross Sections

29-Cu-65



6

Incident Energy (MeV)

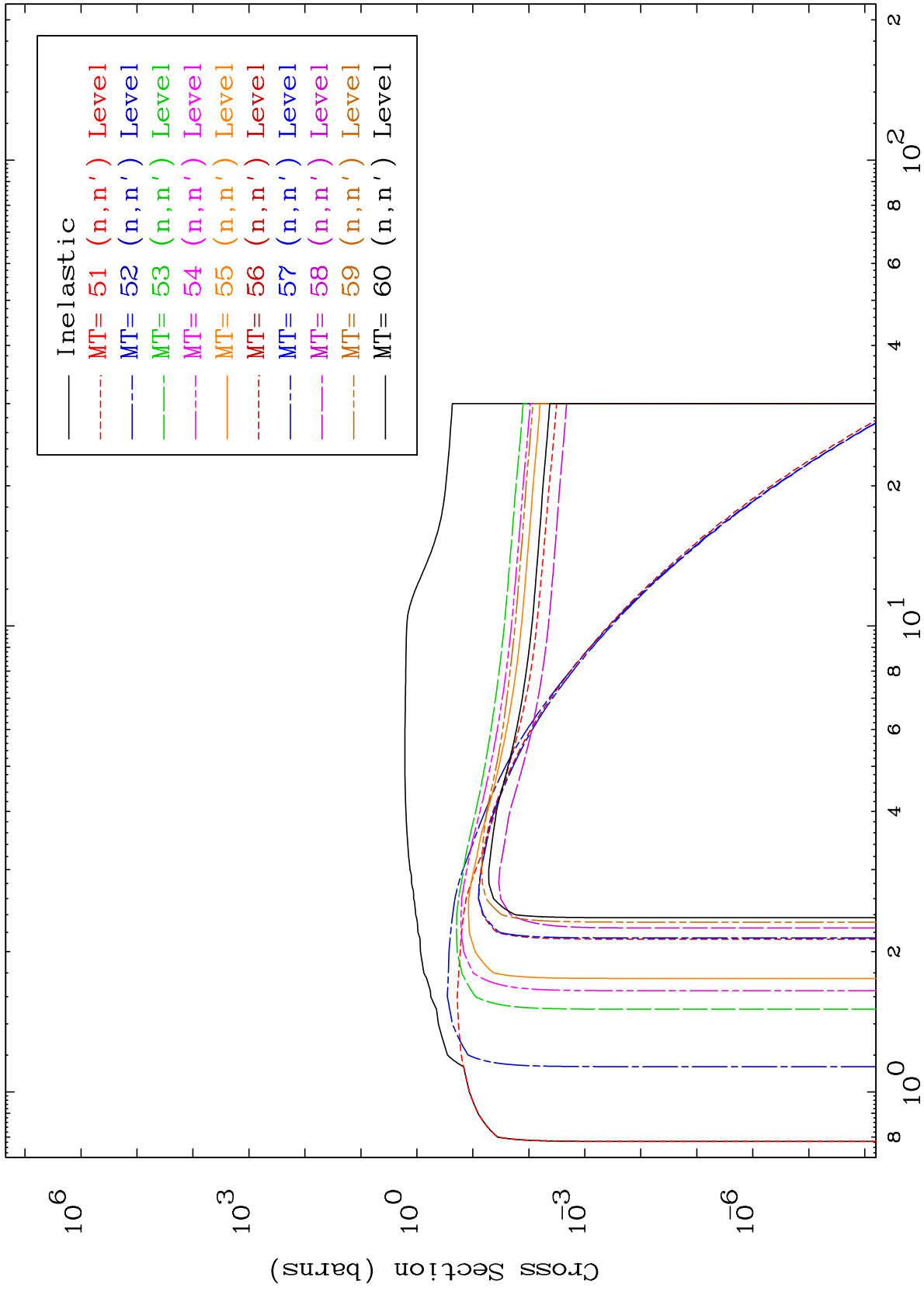
29-Cu-65

MAT 2931

(n,n') Level

29-Cu-65

293 Kelvin Cross Sections



7

Incident Energy (MeV)

29-Cu-65

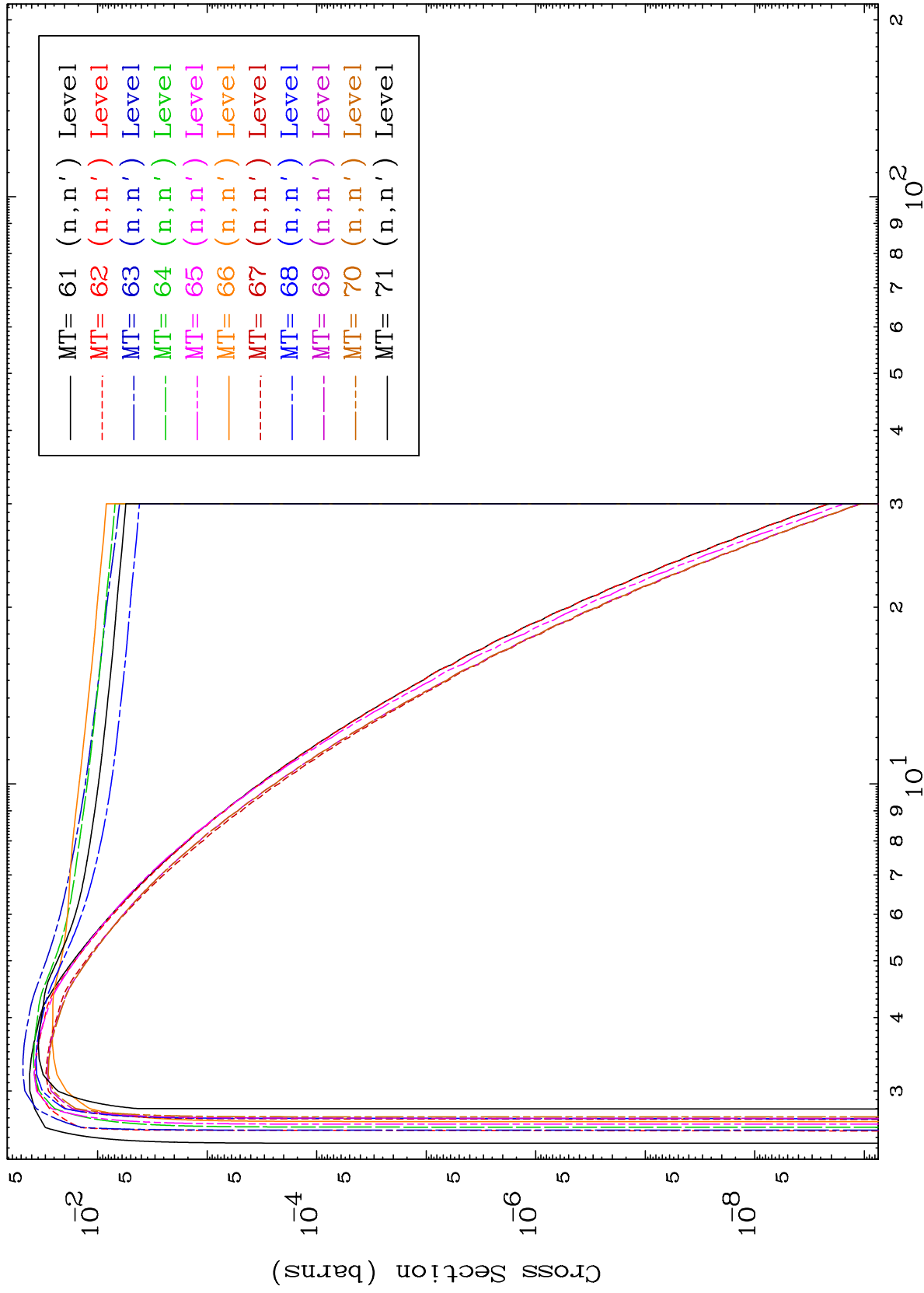


MAT 2931

(n,n') Level

293 Kelvin Cross Sections

29-Cu-65



8

Incident Energy (MeV)

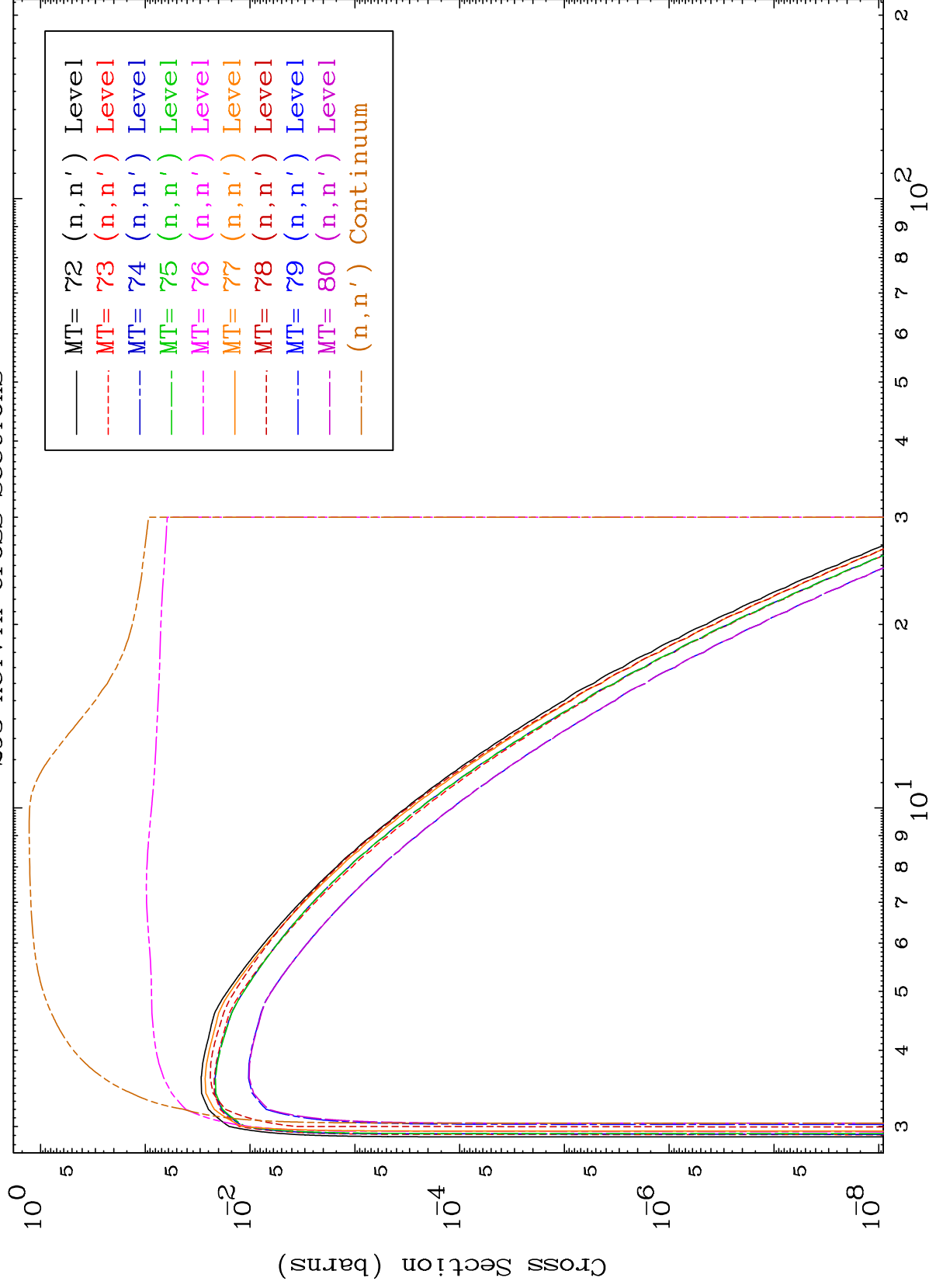
29-Cu-65

MAT 2931

(n,n') Level

29-Cu-65

293 Kelvin Cross Sections



9

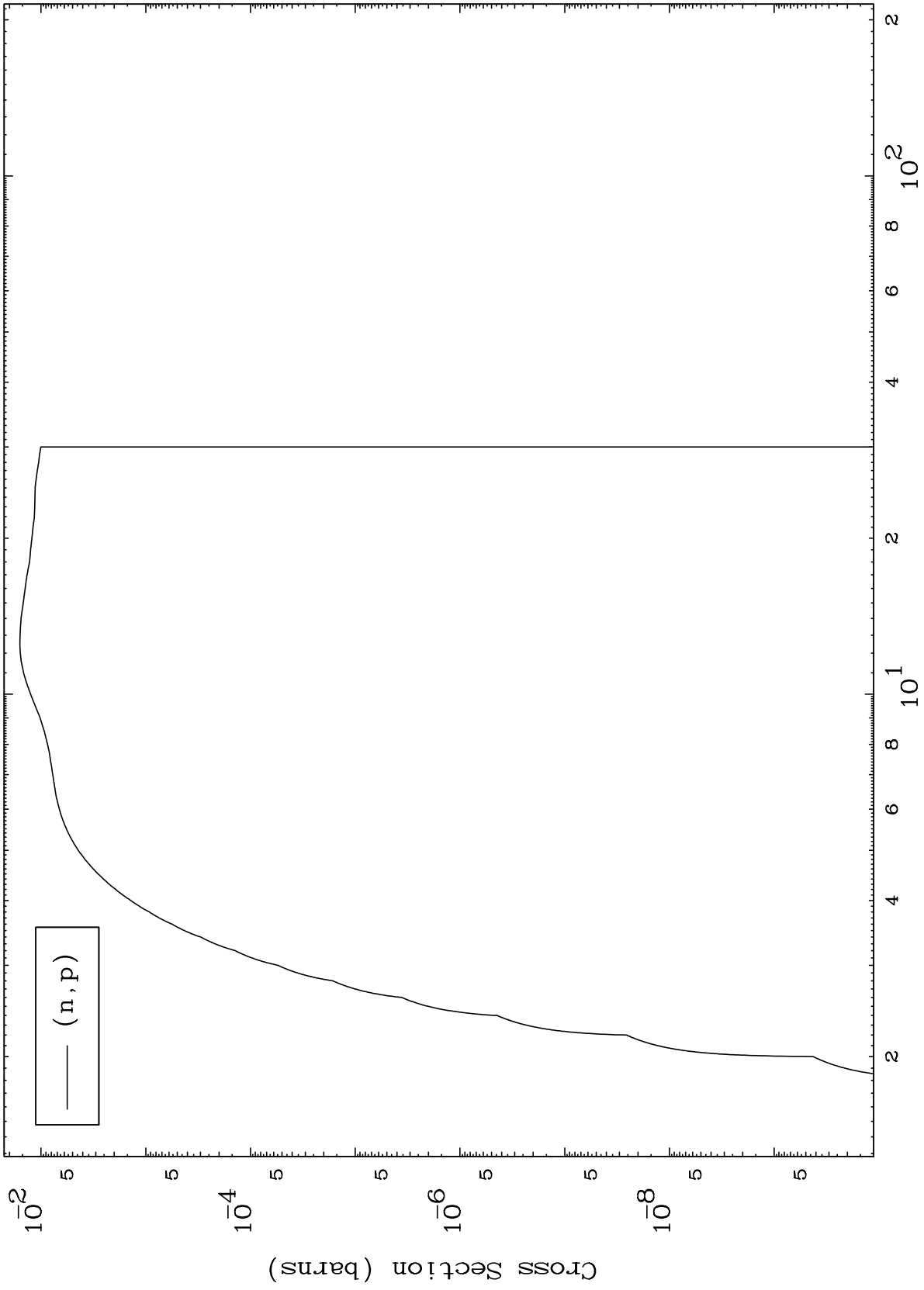
Incident Energy (MeV)

29-Cu-65

MAT 2931

(n,p) Levels  
293 Kelvin Cross Sections

29-Cu-65



10

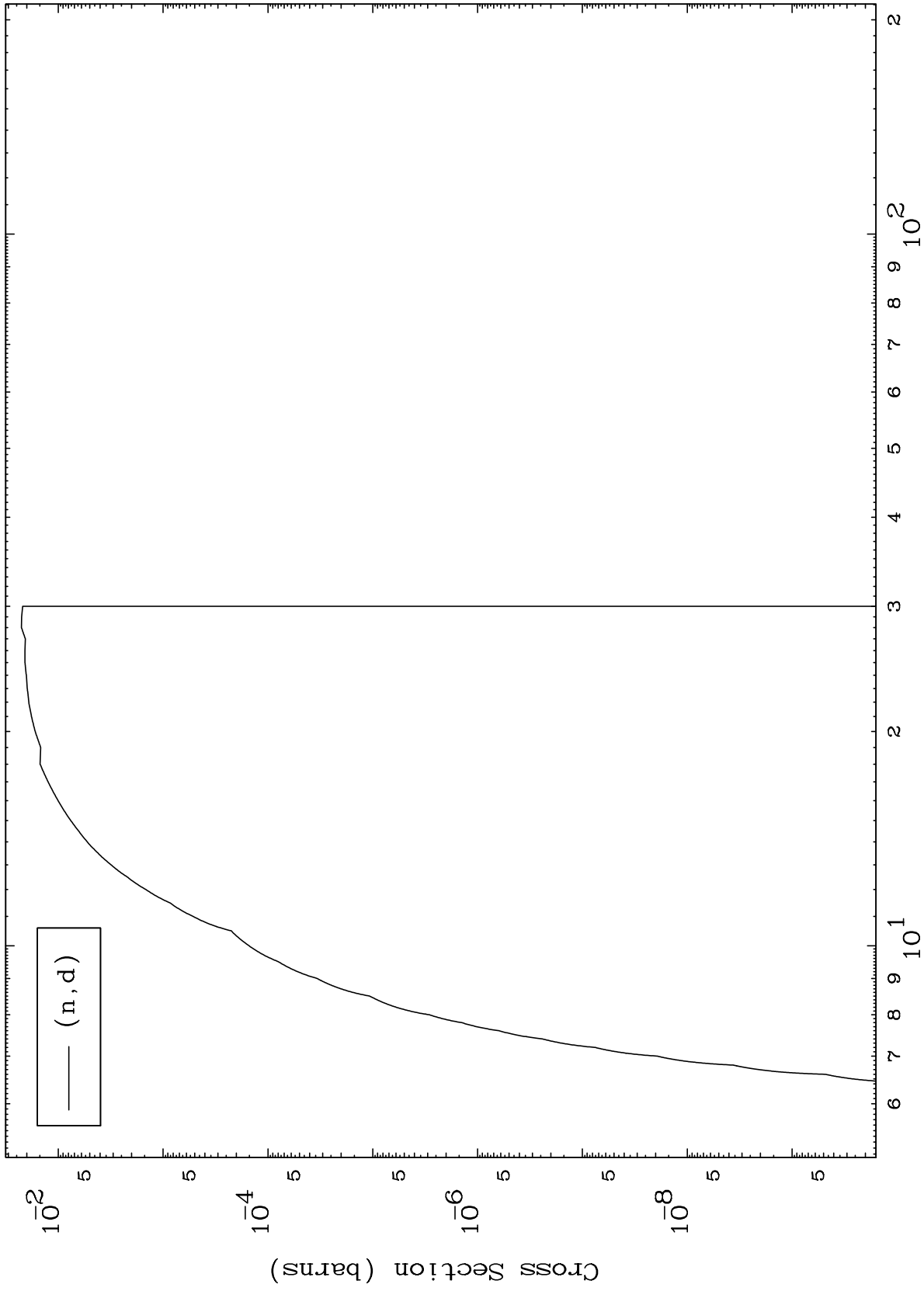
Incident Energy (MeV)

29-Cu-65

MAT 2931

(n,d) Levels  
293 Kelvin Cross Sections

29-Cu-65



11

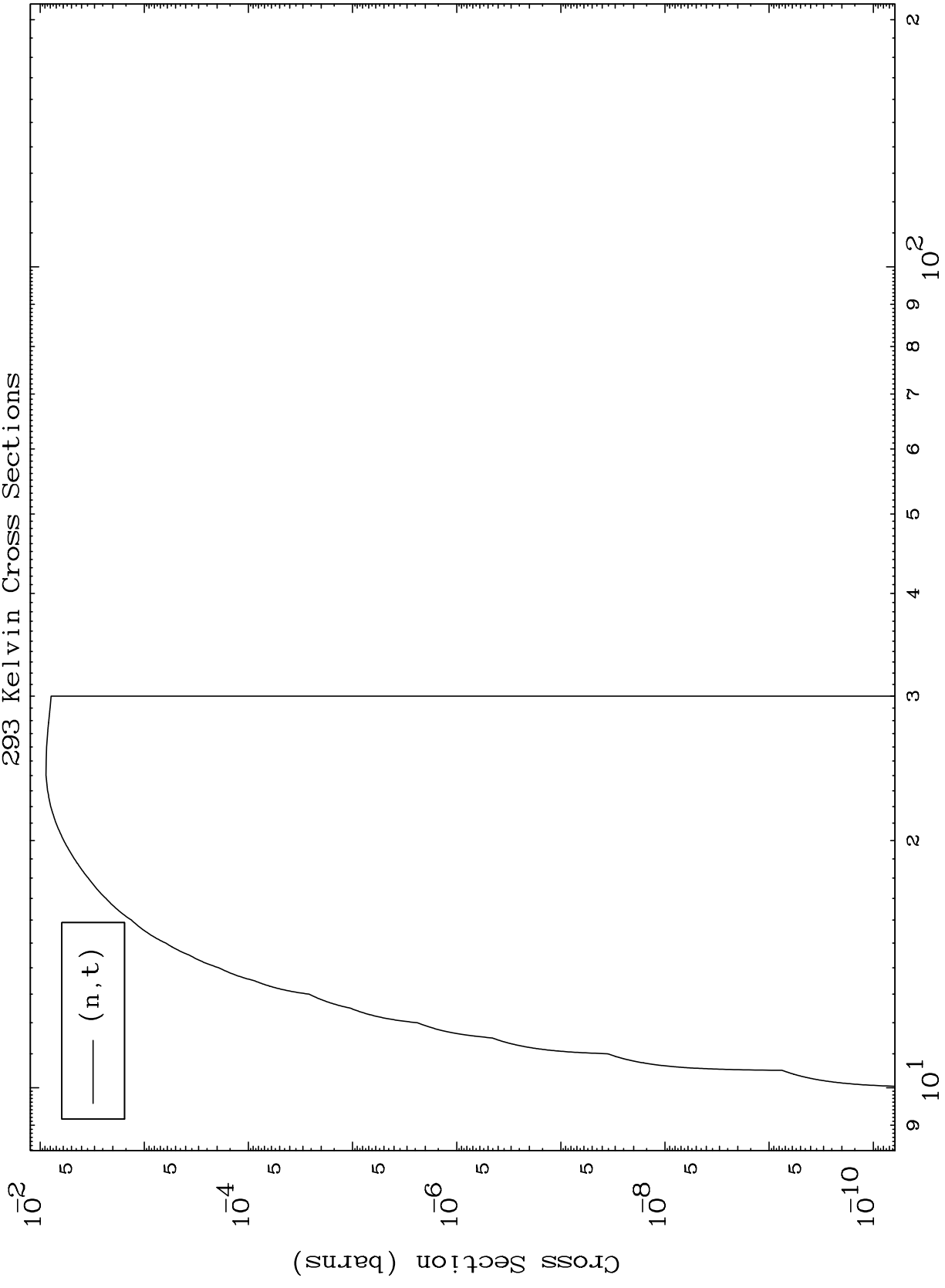
Incident Energy (MeV)

29-Cu-65

MAT 2931

(n,t) Levels  
293 Kelvin Cross Sections

29-Cu-65



12

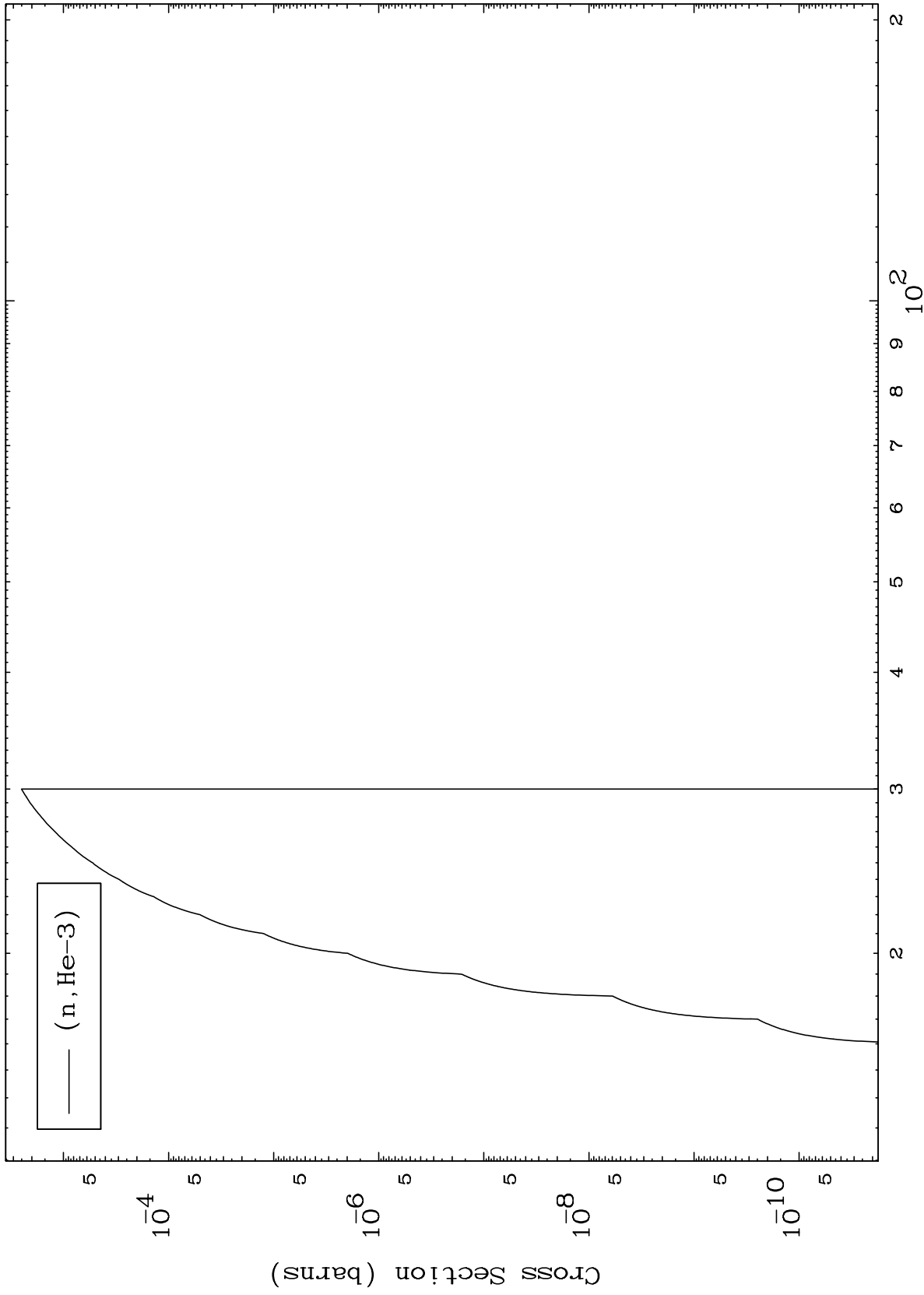
Incident Energy (MeV)

29-Cu-65

MAT 2931

(n,He3) Levels  
293 Kelvin Cross Sections

29-Cu-65



13

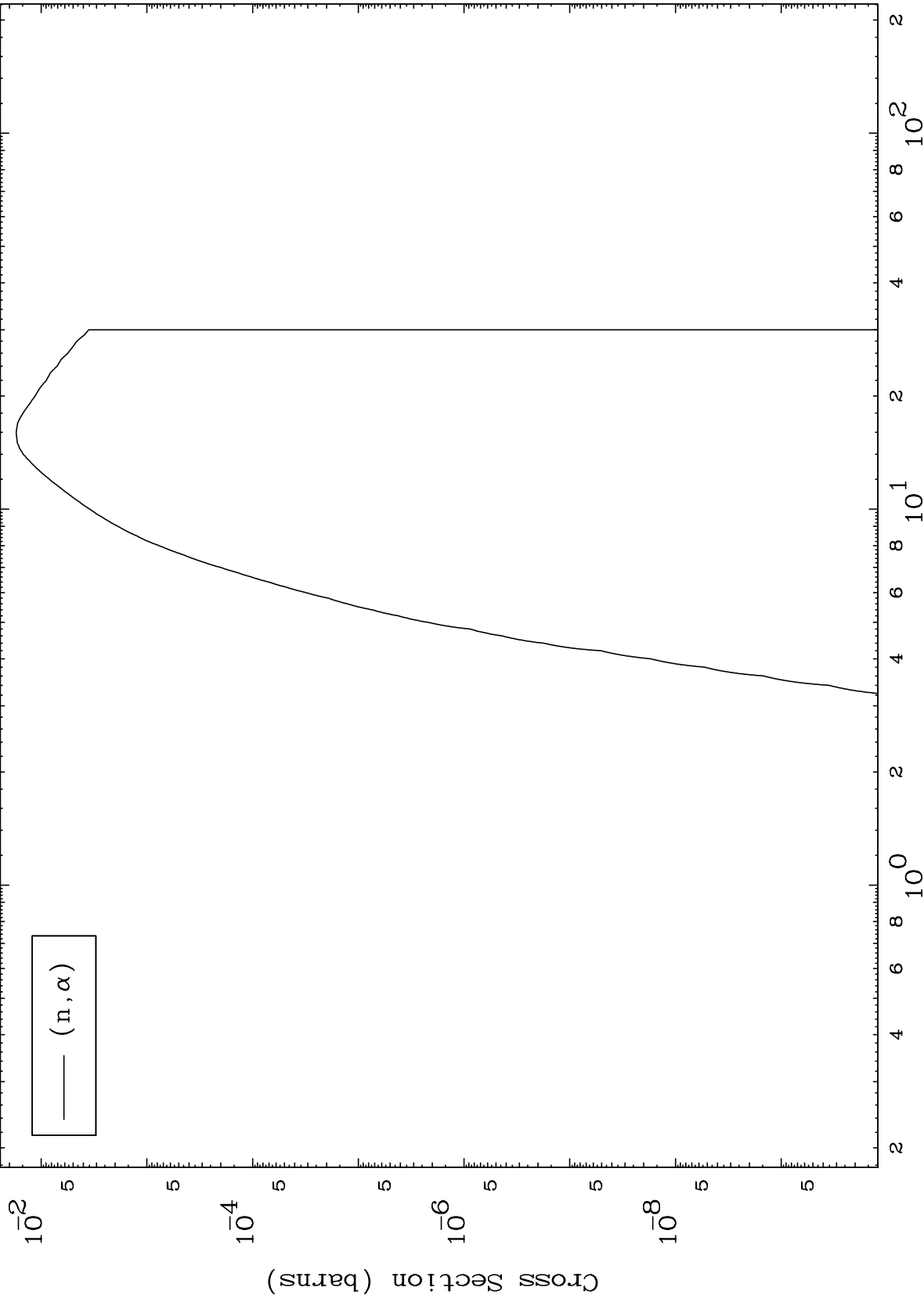
Incident Energy (MeV)

29-Cu-65

MAT 2931

(n,α) Levels  
293 Kelvin Cross Sections

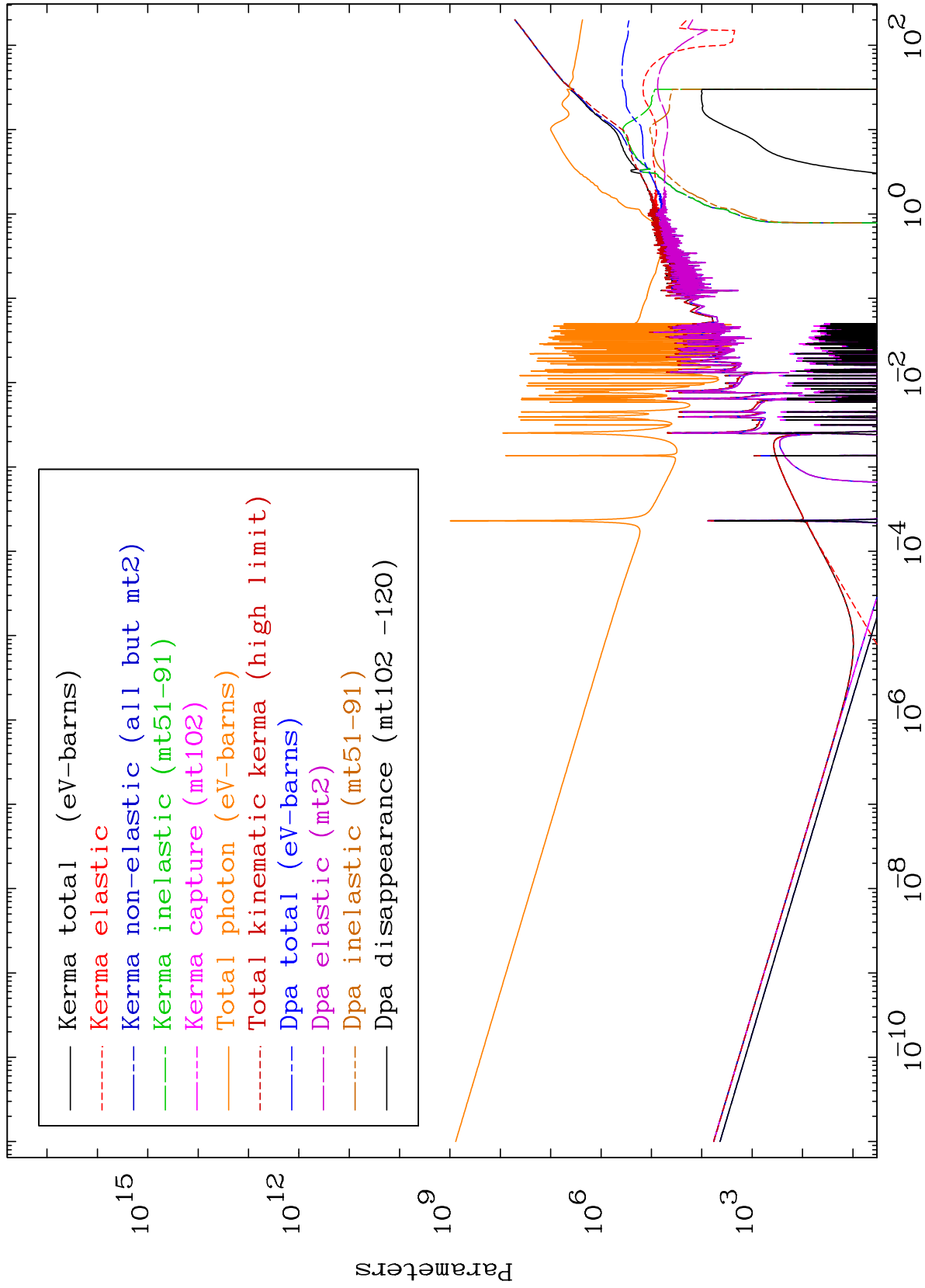
29-Cu-65



14

Incident Energy (MeV)

29-Cu-65

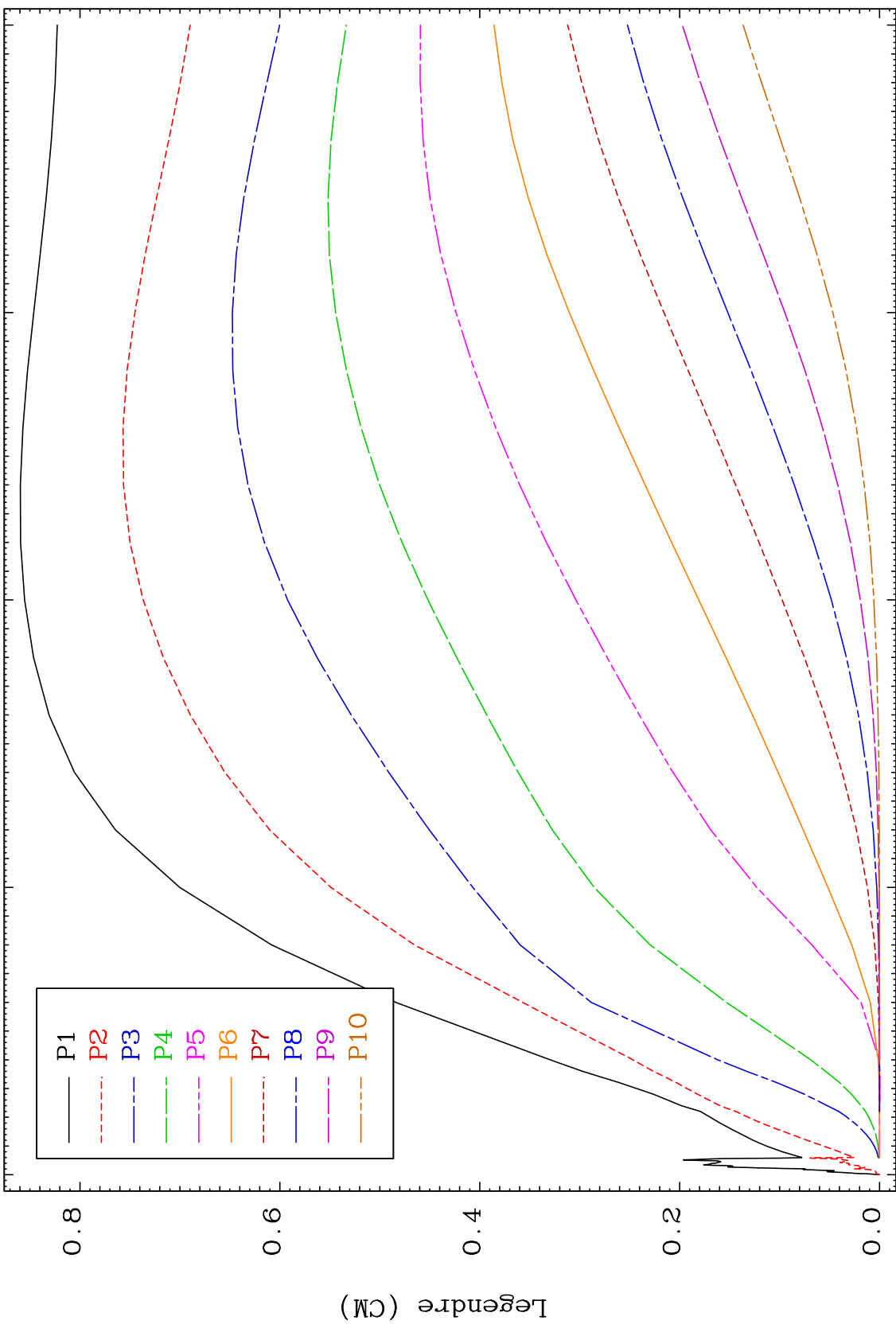




MAT 2931

Elastic Legendre Coefficients

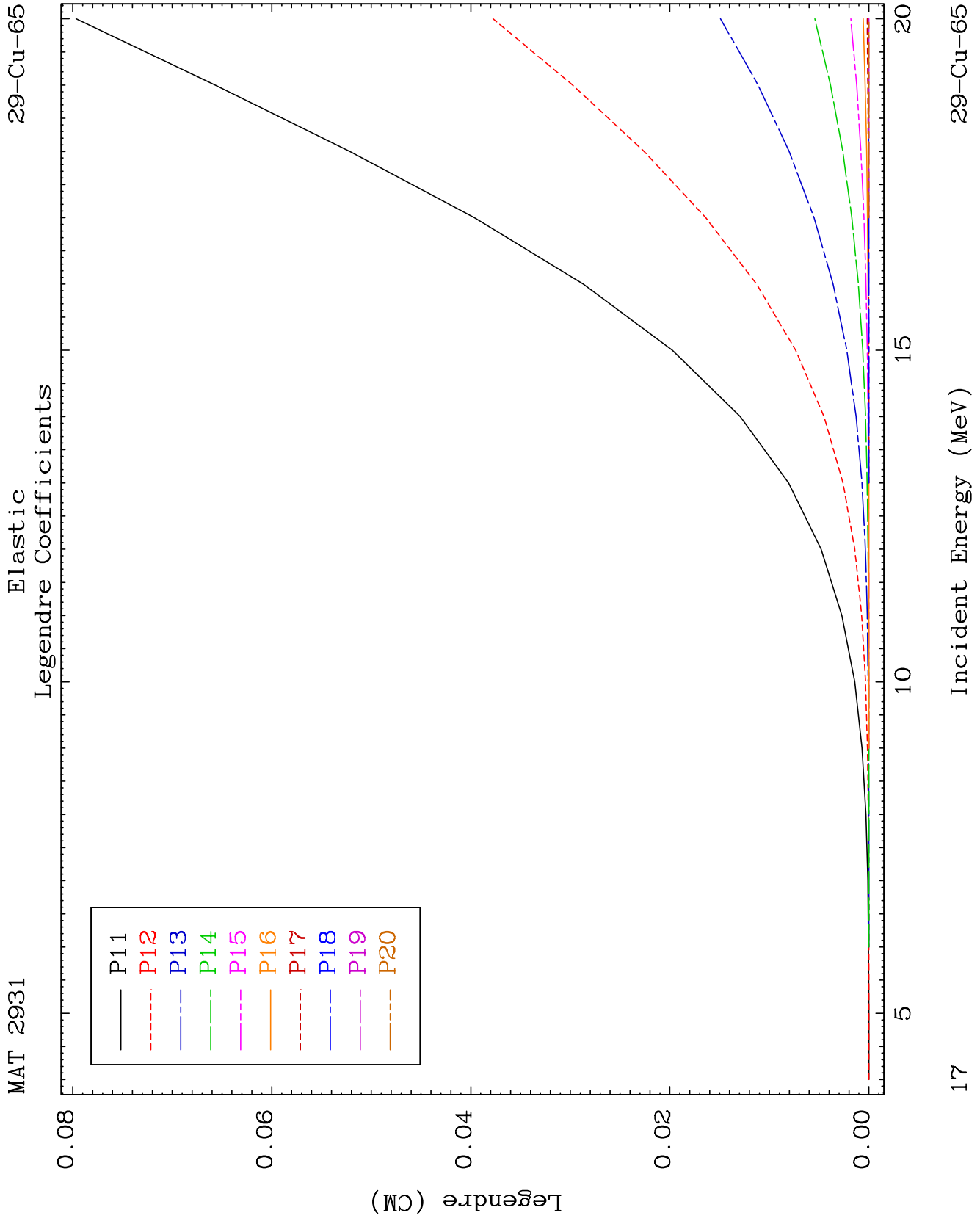
29-Cu-65



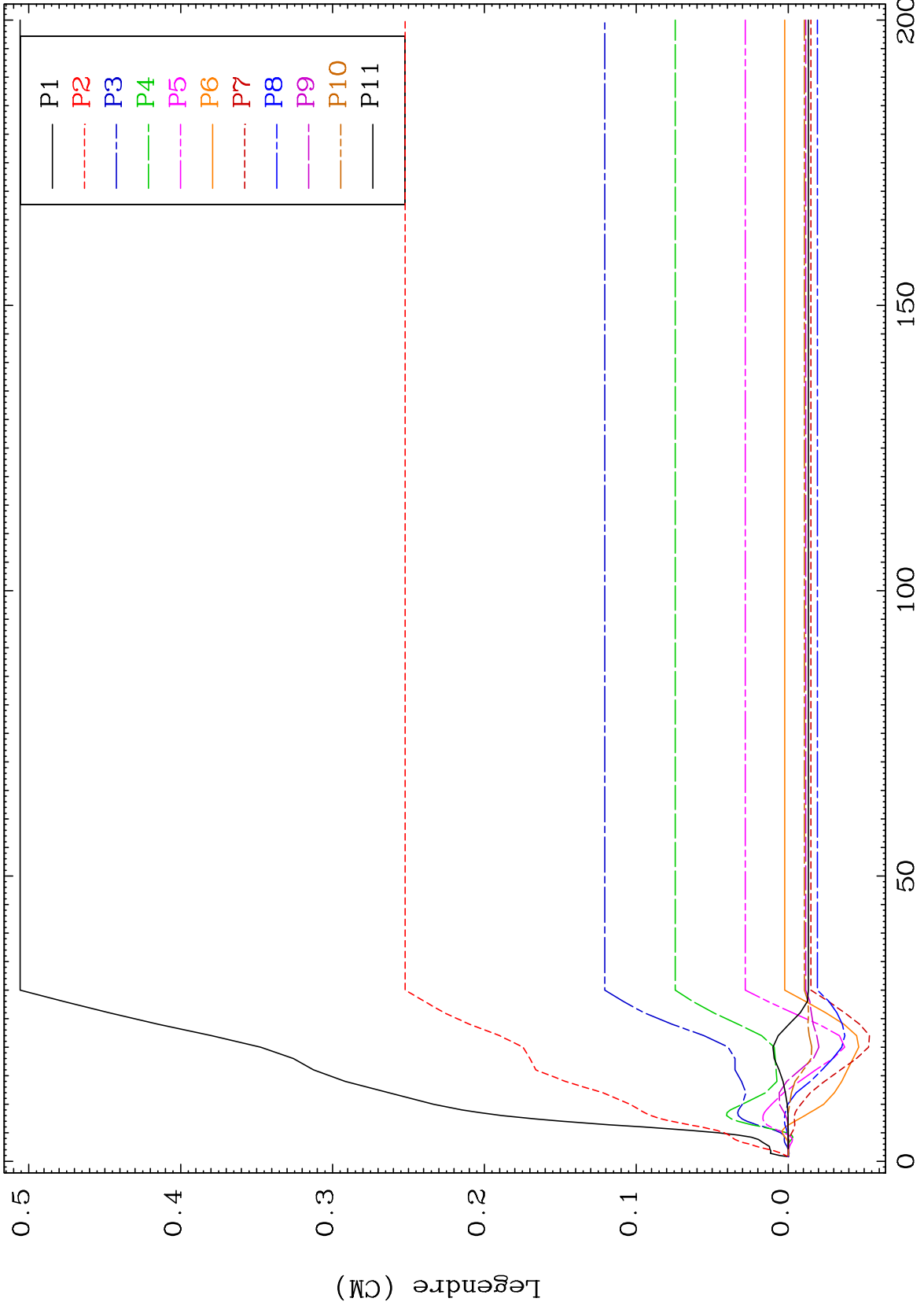
16

Incident Energy (MeV)

29-Cu-65

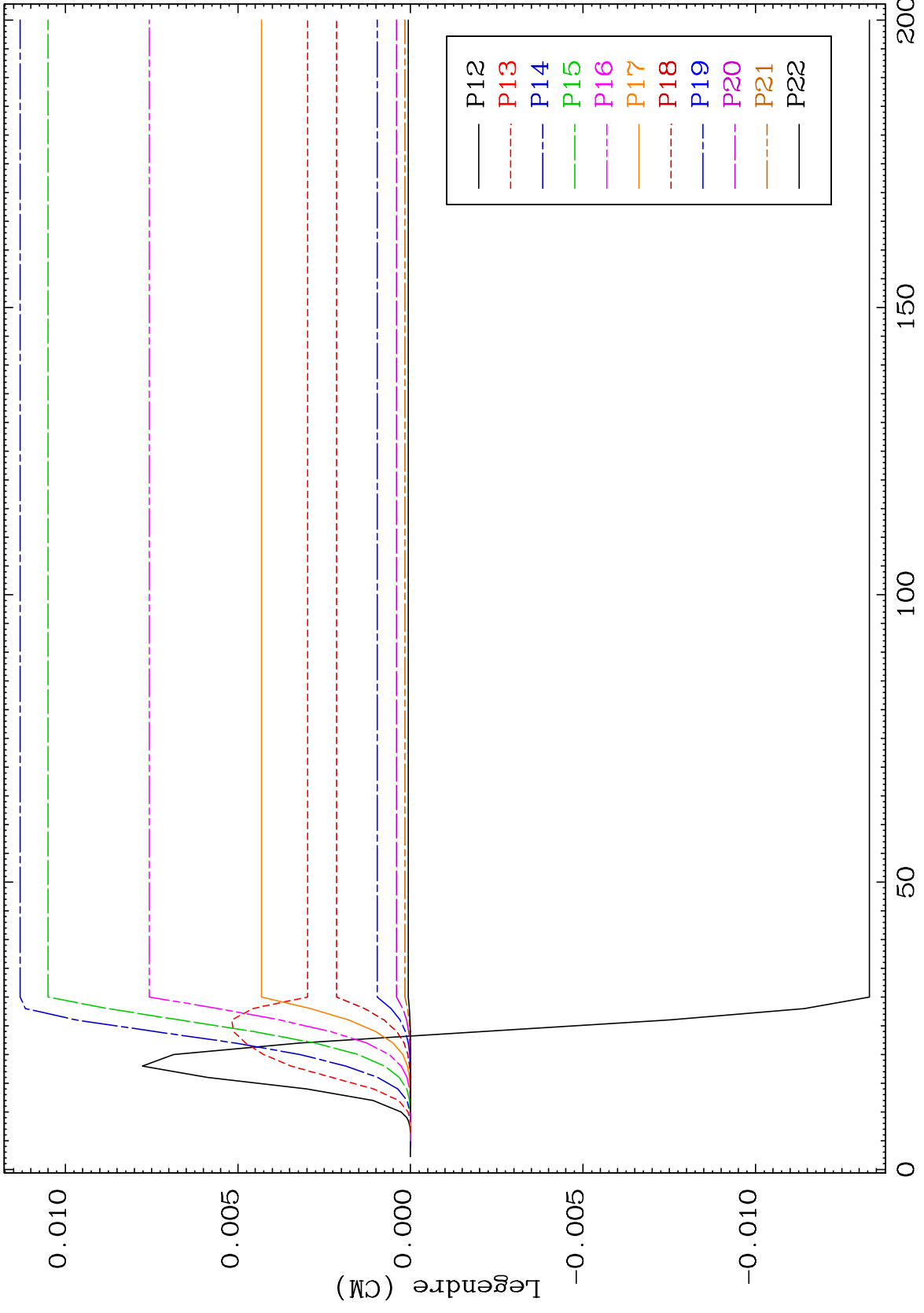


MAT 2931 MT= 51 (n,n') Level Legendre Coefficients 29-Cu-65



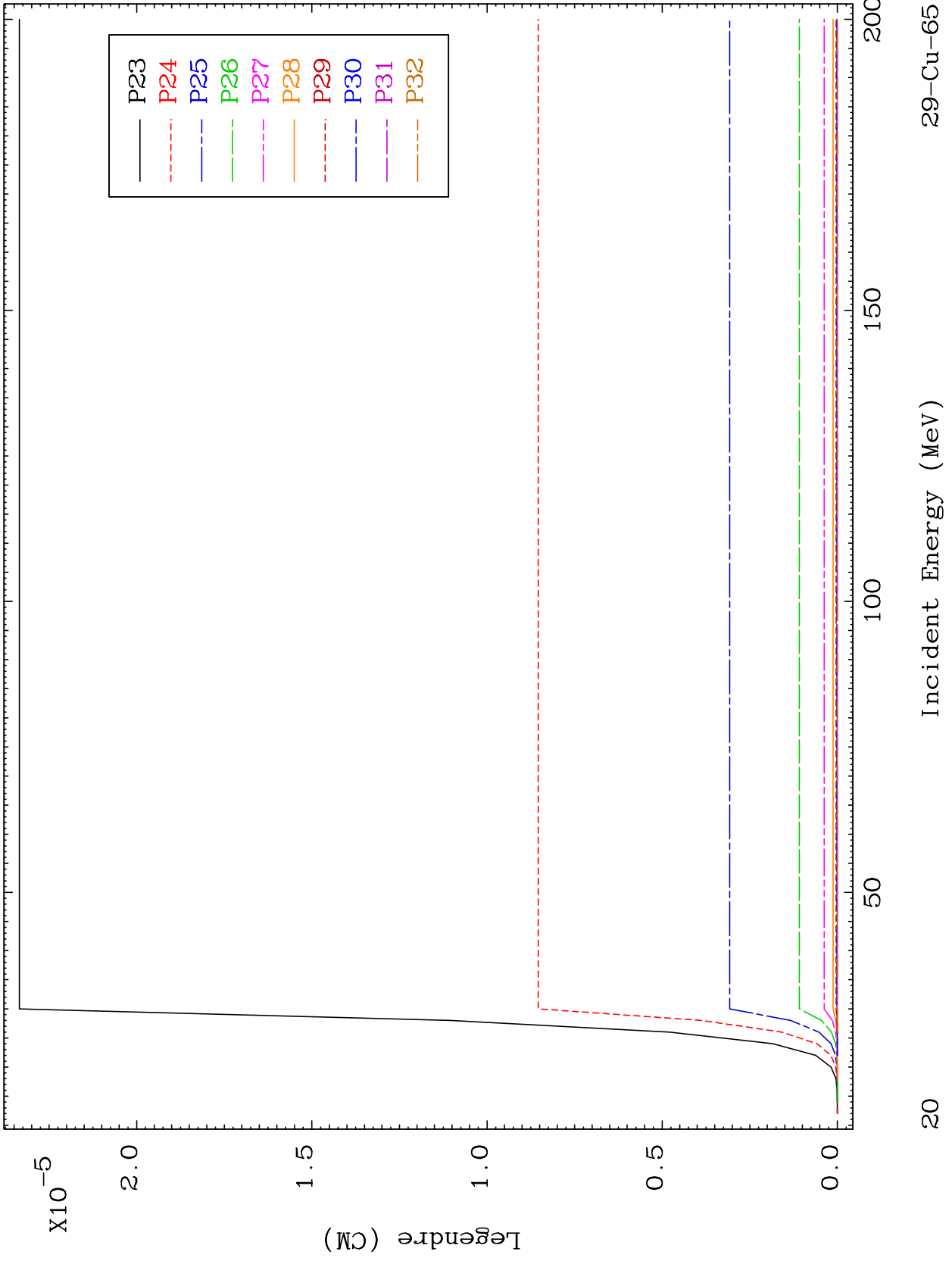
18 Incident Energy (MeV) 29-Cu-65

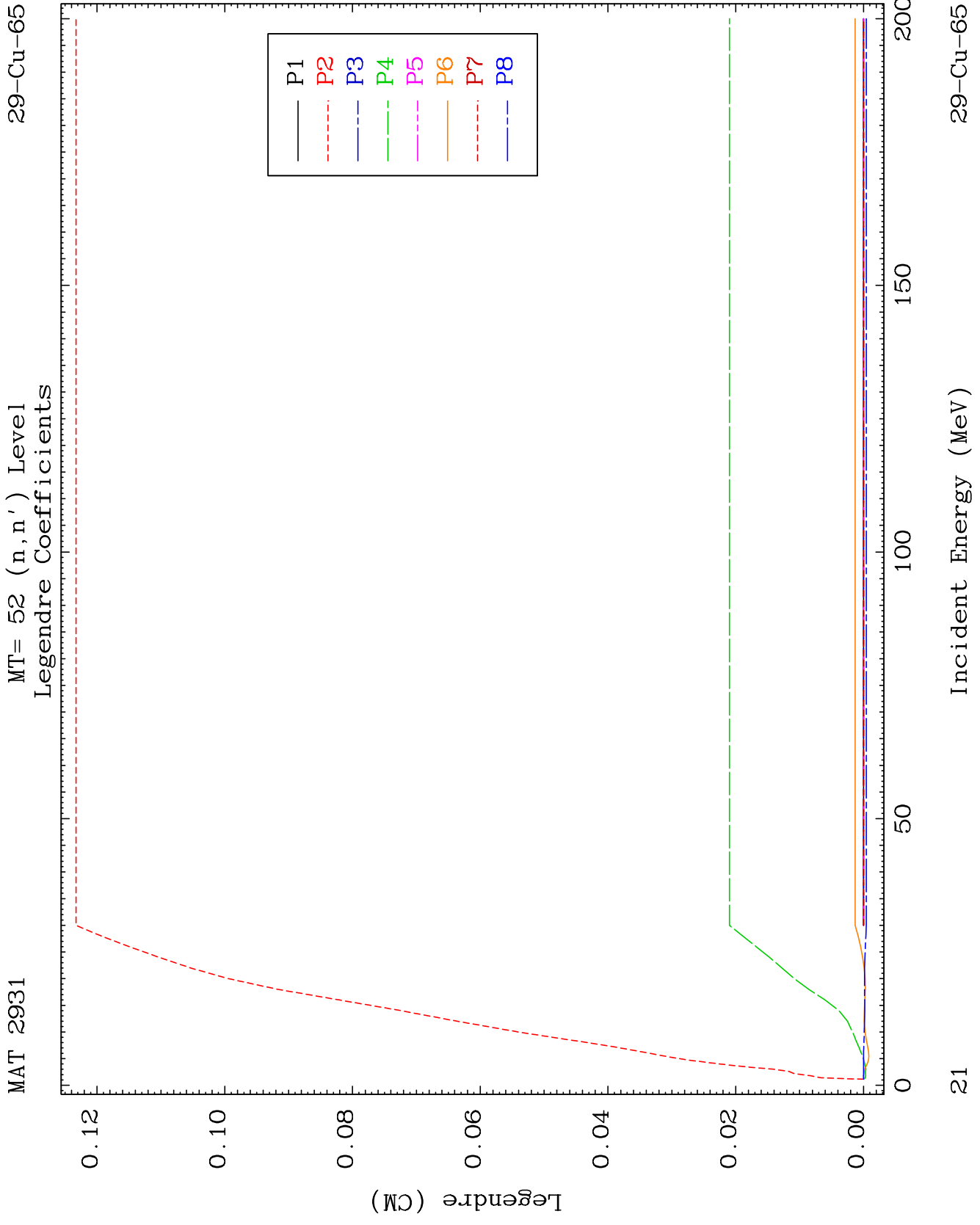
MAT 2931 MT= 51 (n,n') Level Legendre Coefficients 29-Cu-65



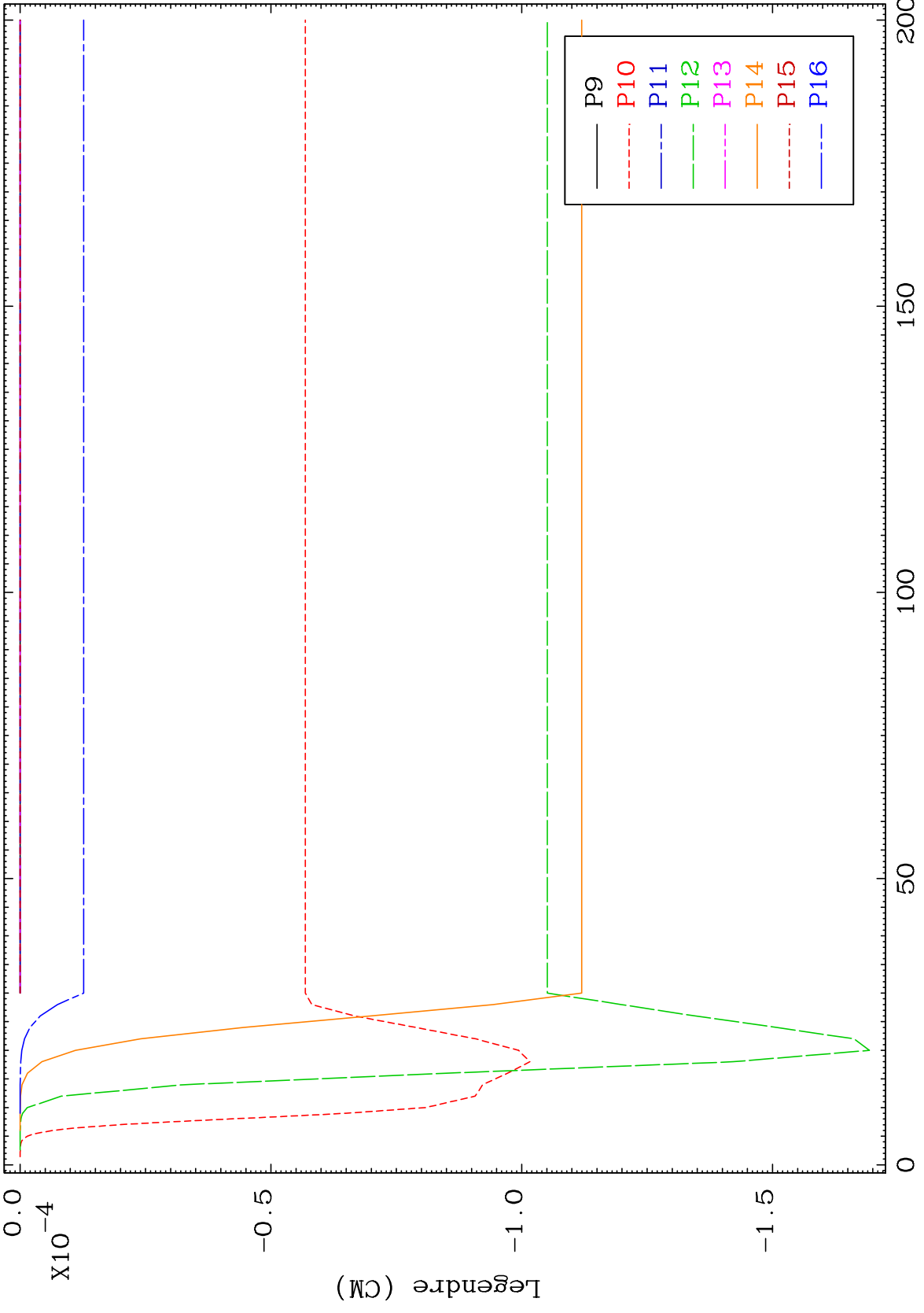
19 Incident Energy (MeV) 29-Cu-65

MAT 2931 MT= 51 (n,n') Level Legendre Coefficients 29-Cu-65



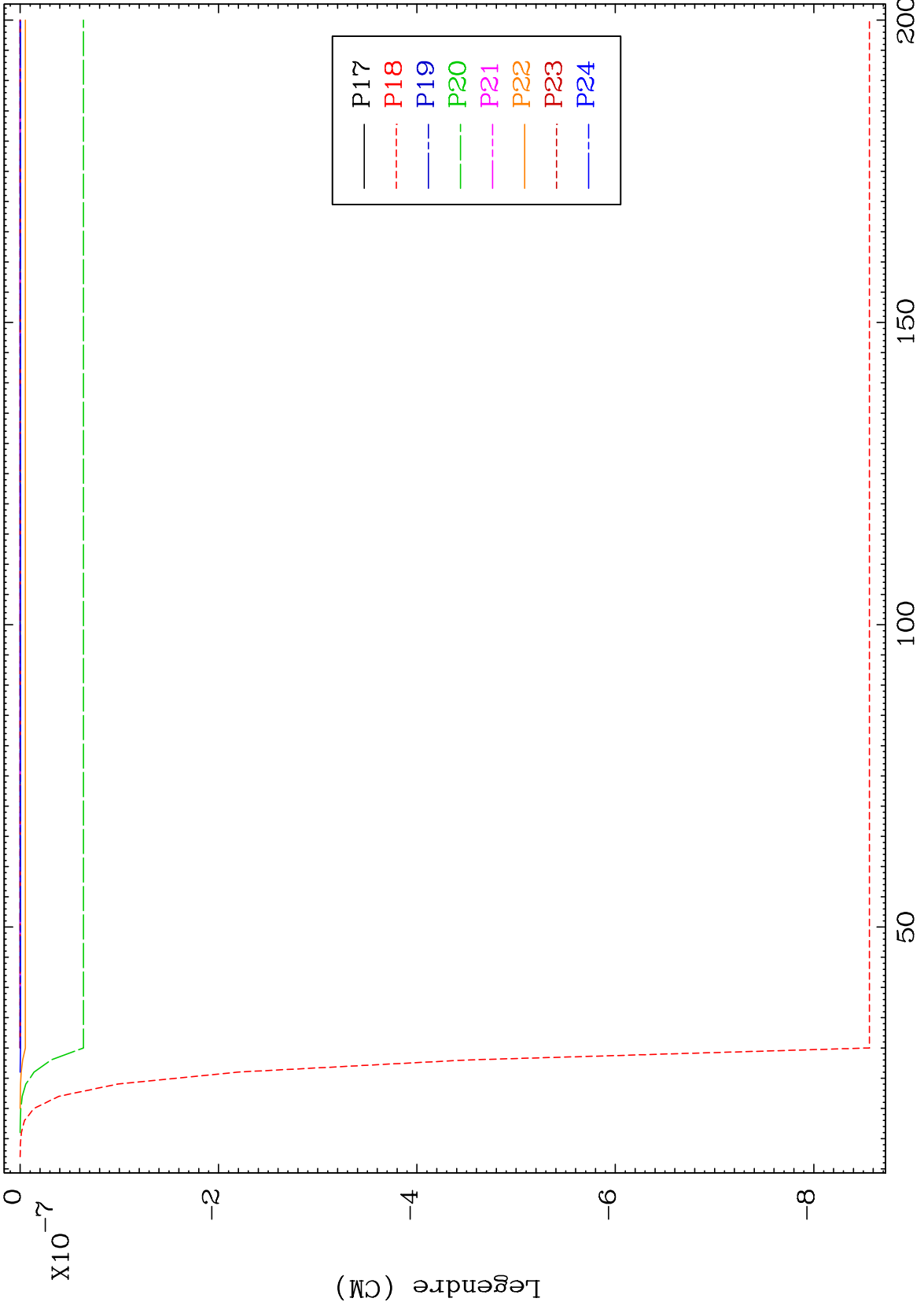


MAT 2931 MT= 52 (n,n') Level Legendre Coefficients 29-Cu-65



22 29-Cu-65

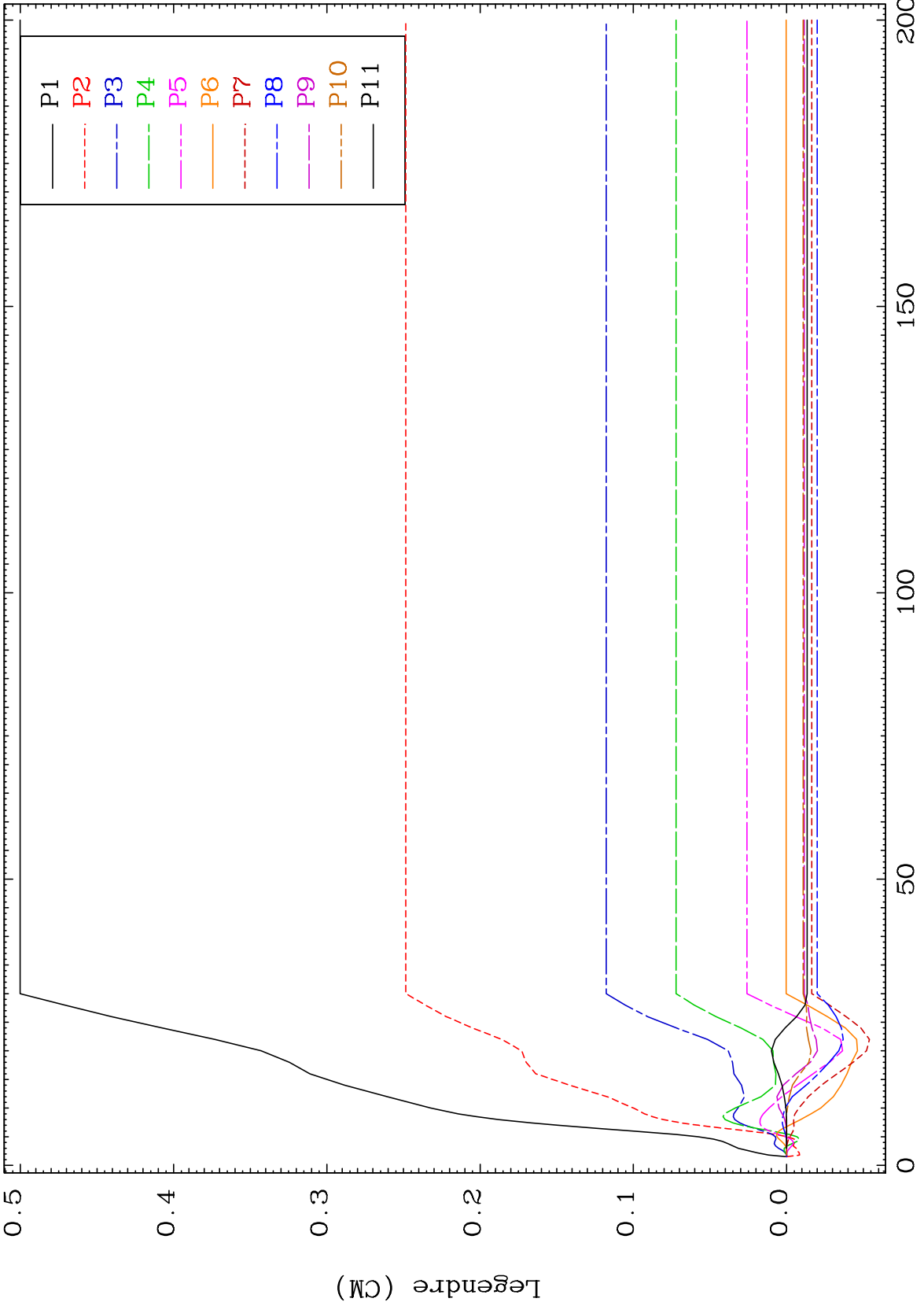
MAT 2931 MT= 52 (n,n') Level Legendre Coefficients 29-Cu-65



23 Incident Energy (MeV) 29-Cu-65

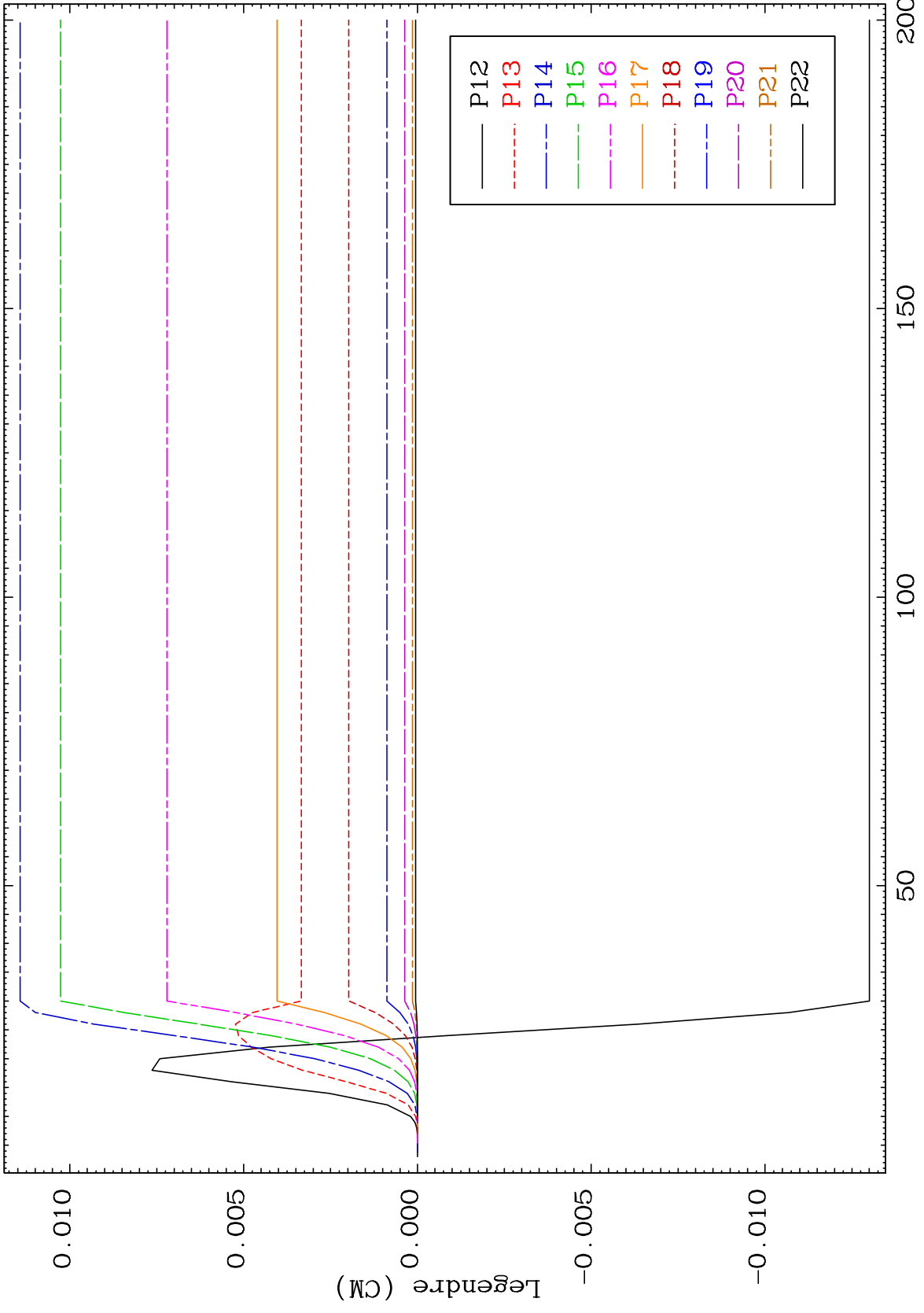


MAT 2931 MT= 53 (n,n') Level Legendre Coefficients 29-Cu-65



24 29-Cu-65

MAT 2931 MT= 53 (n,n') Level Legendre Coefficients 29-Cu-65

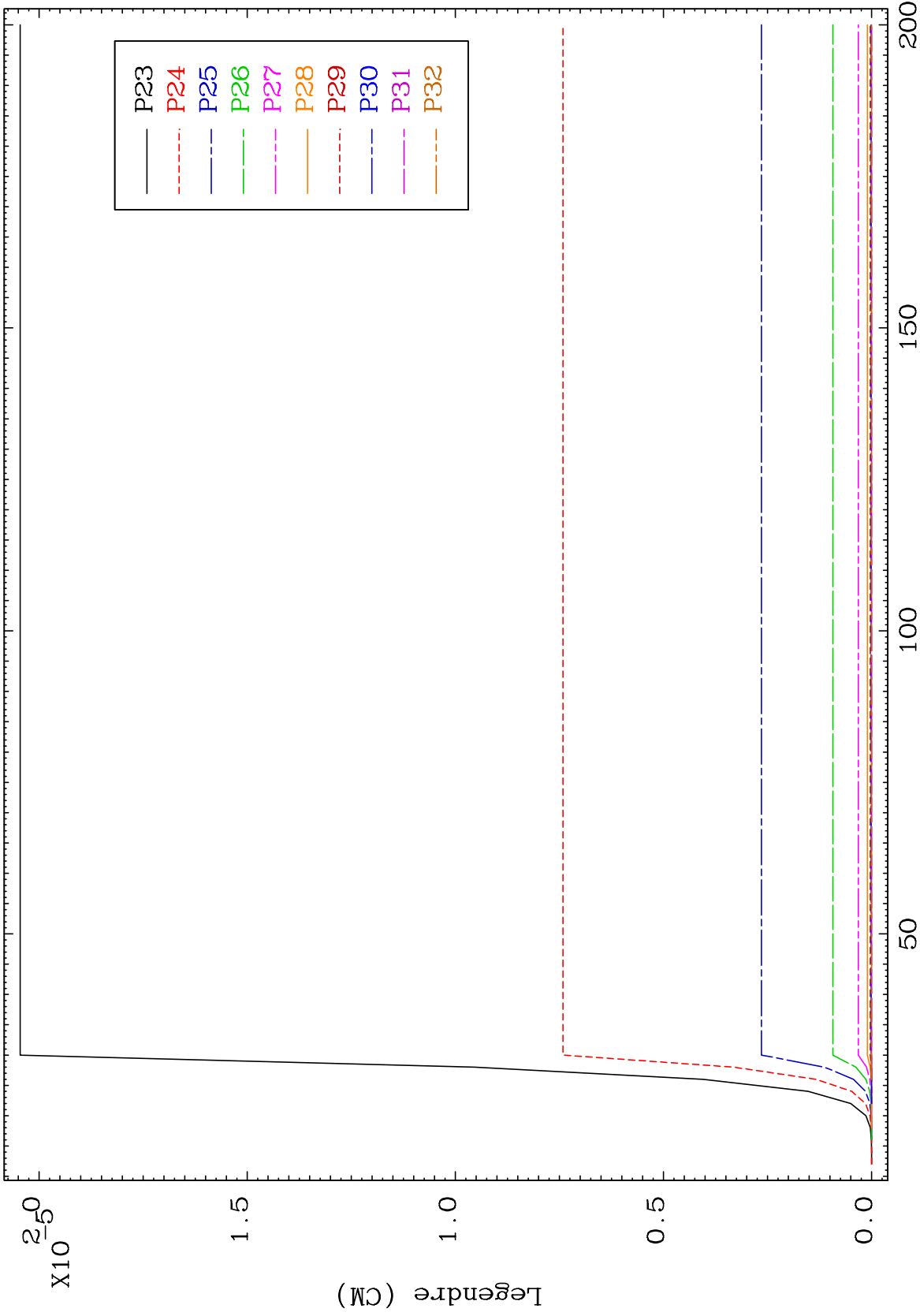


25 Incident Energy (MeV) 29-Cu-65

MAT 2931

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

29-Cu-65

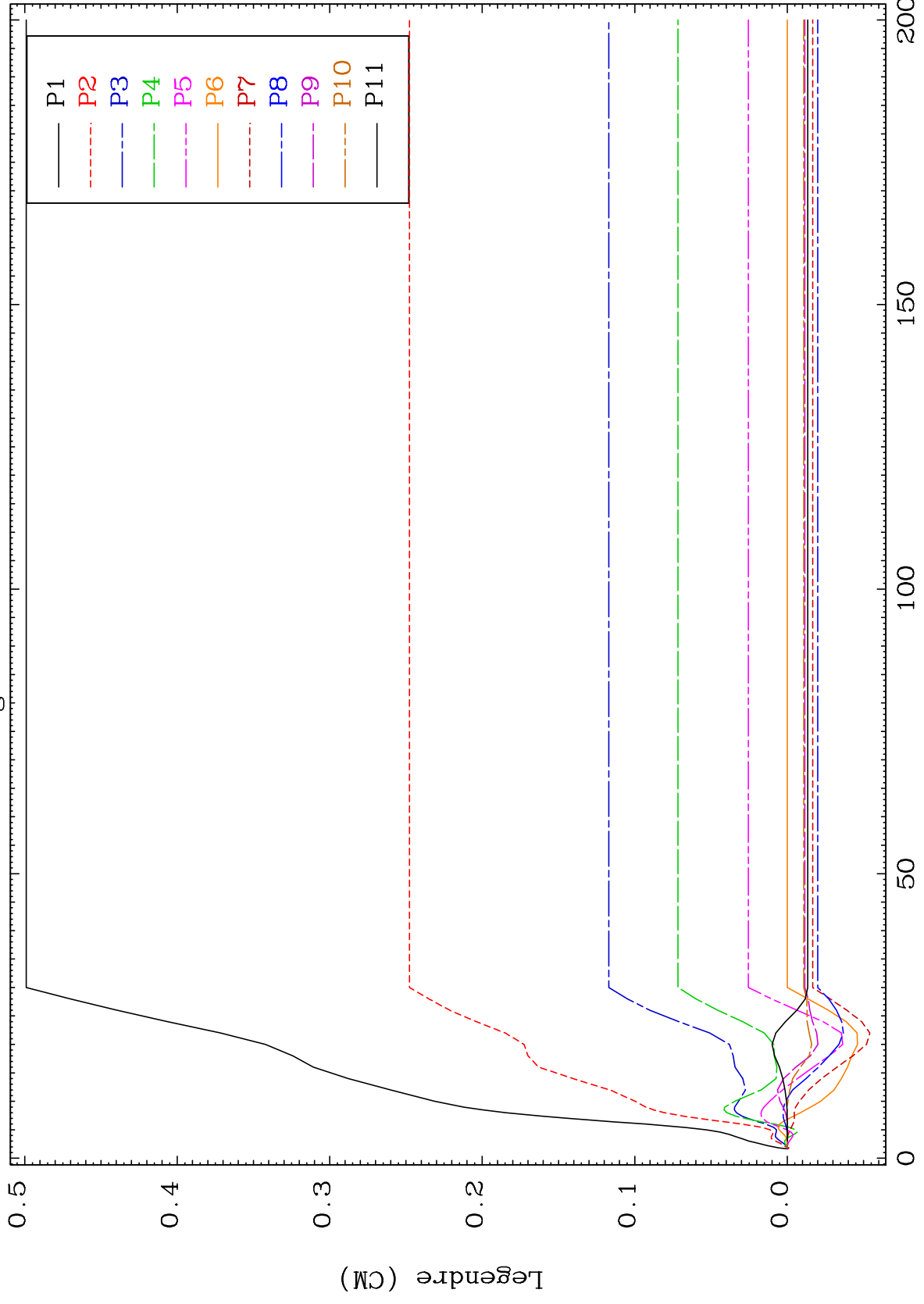


26

Incident Energy (MeV)

29-Cu-65

MAT 2931 MT= 54 (n,n') Level Legendre Coefficients 29-Cu-65

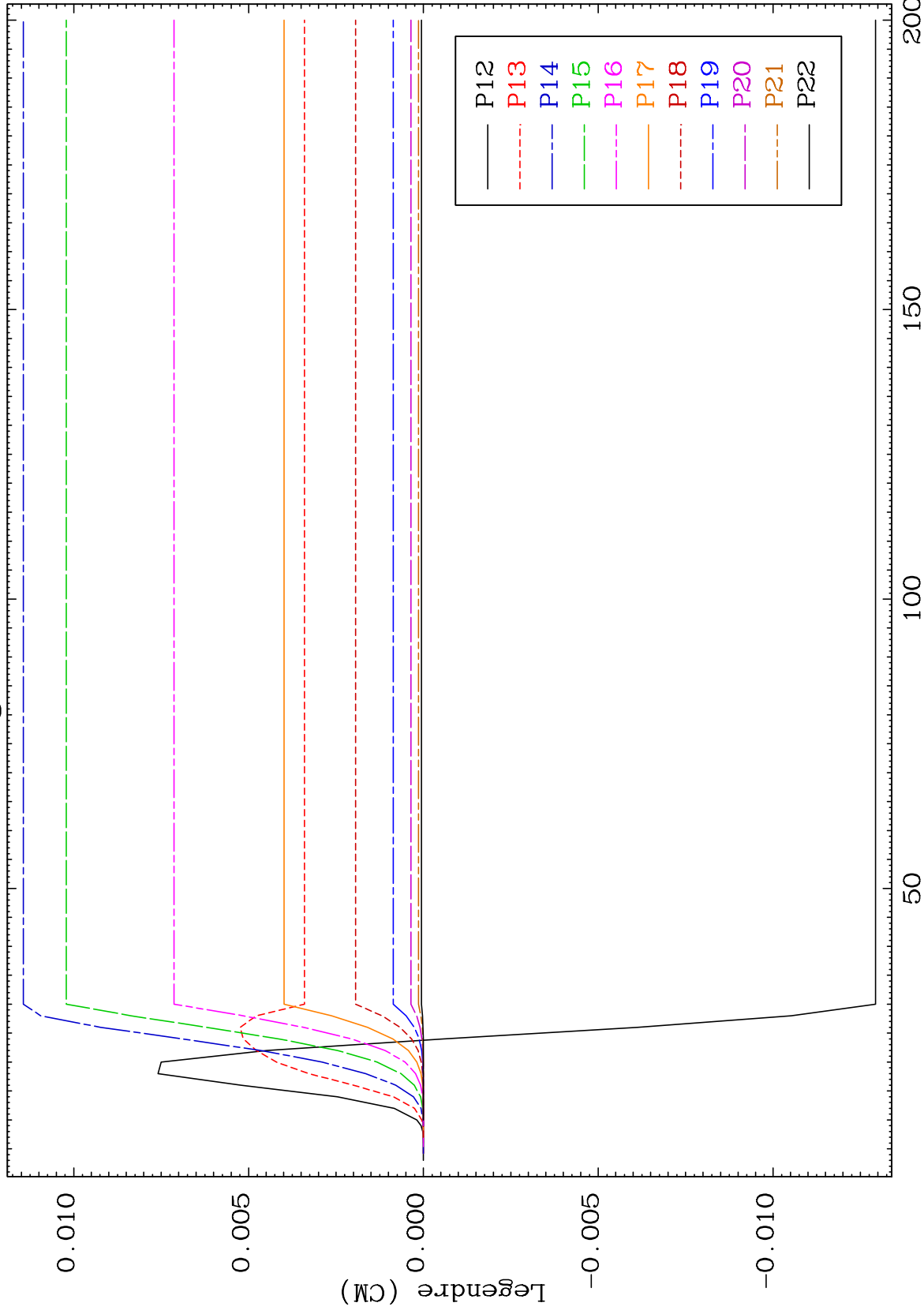


27 Incident Energy (MeV) 29-Cu-65

MAT 2931

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

29-Cu-65



28

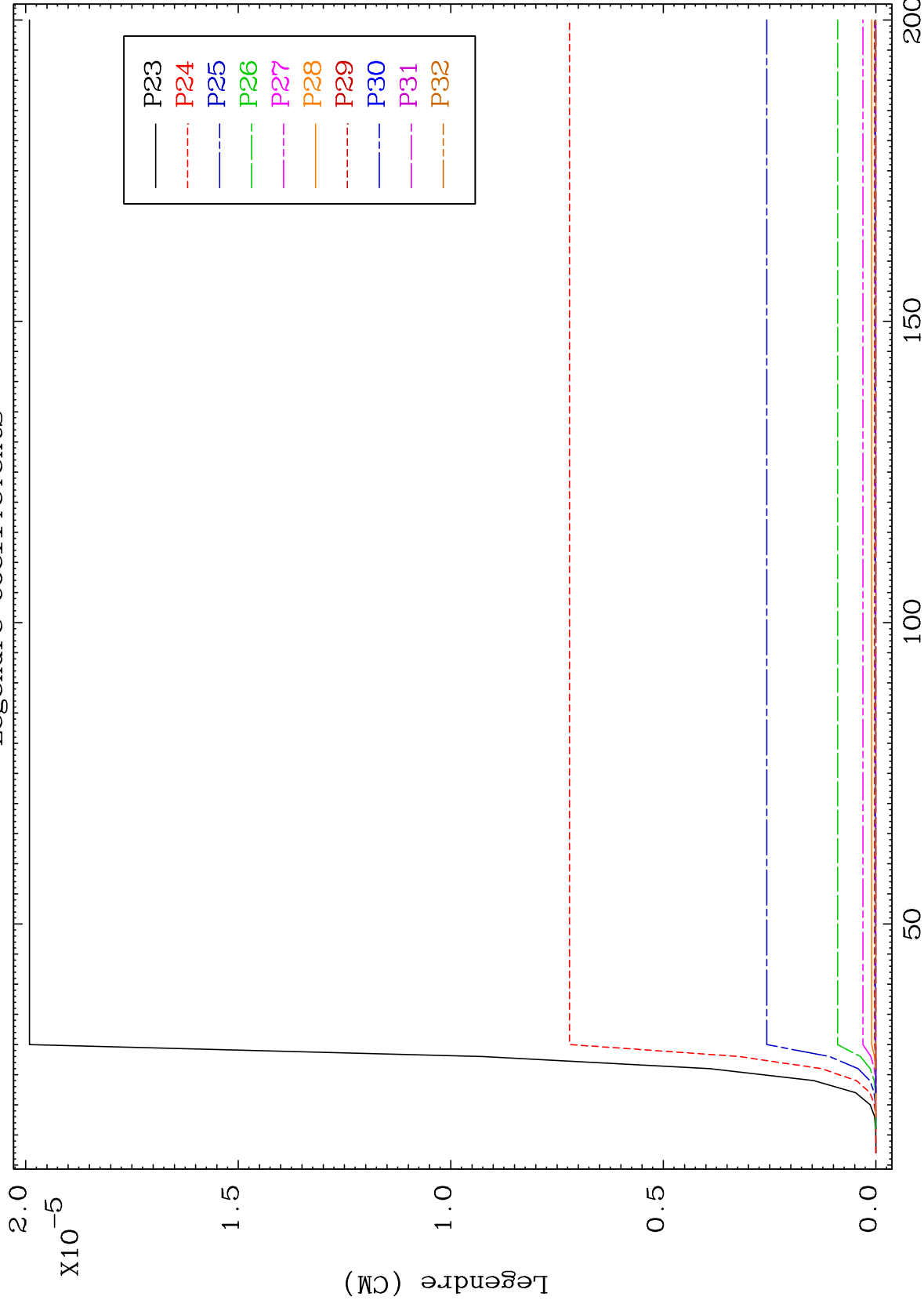
Incident Energy (MeV)

29-Cu-65

MAT 2931

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

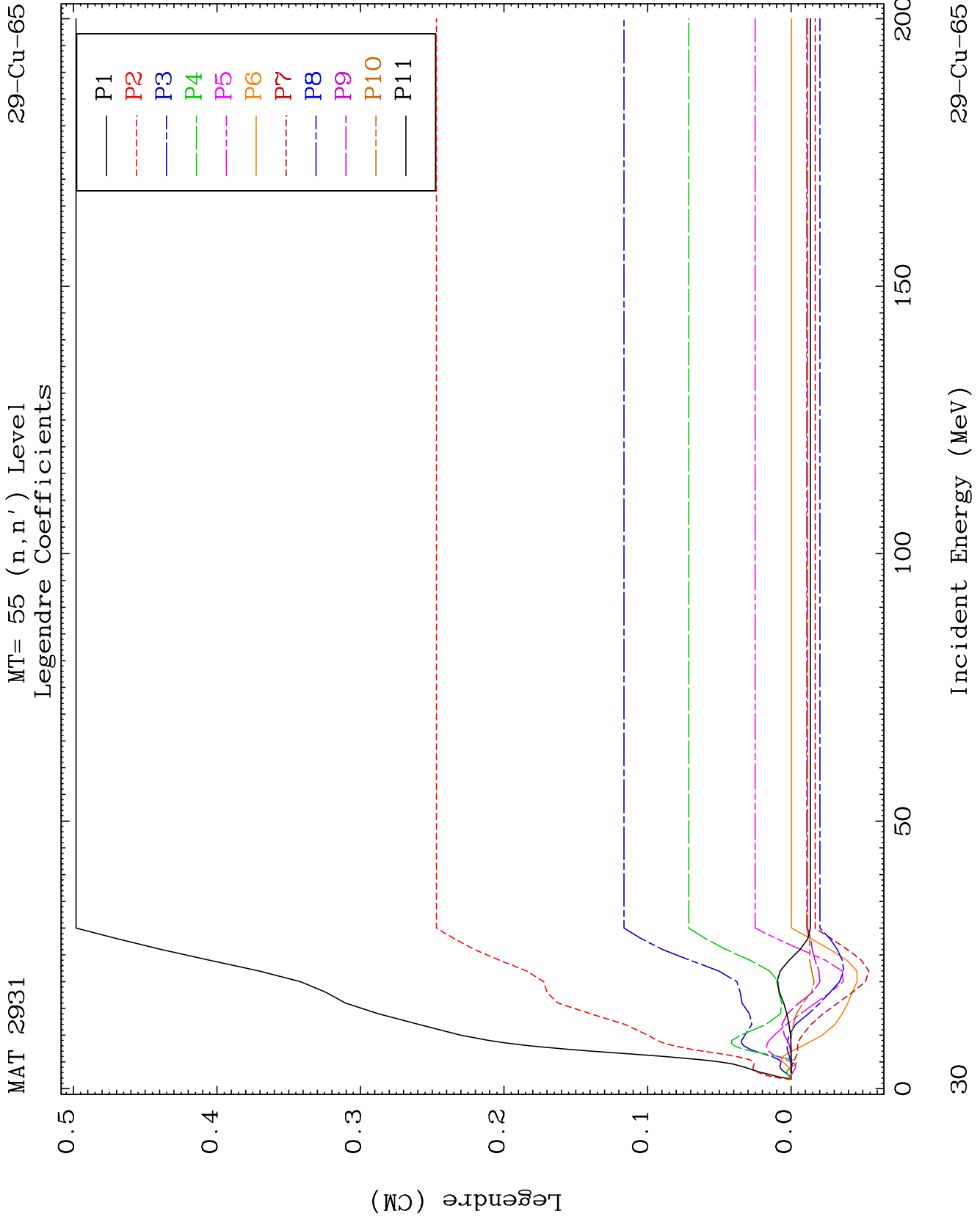
29-Cu-65



29-Cu-65

Incident Energy (MeV)

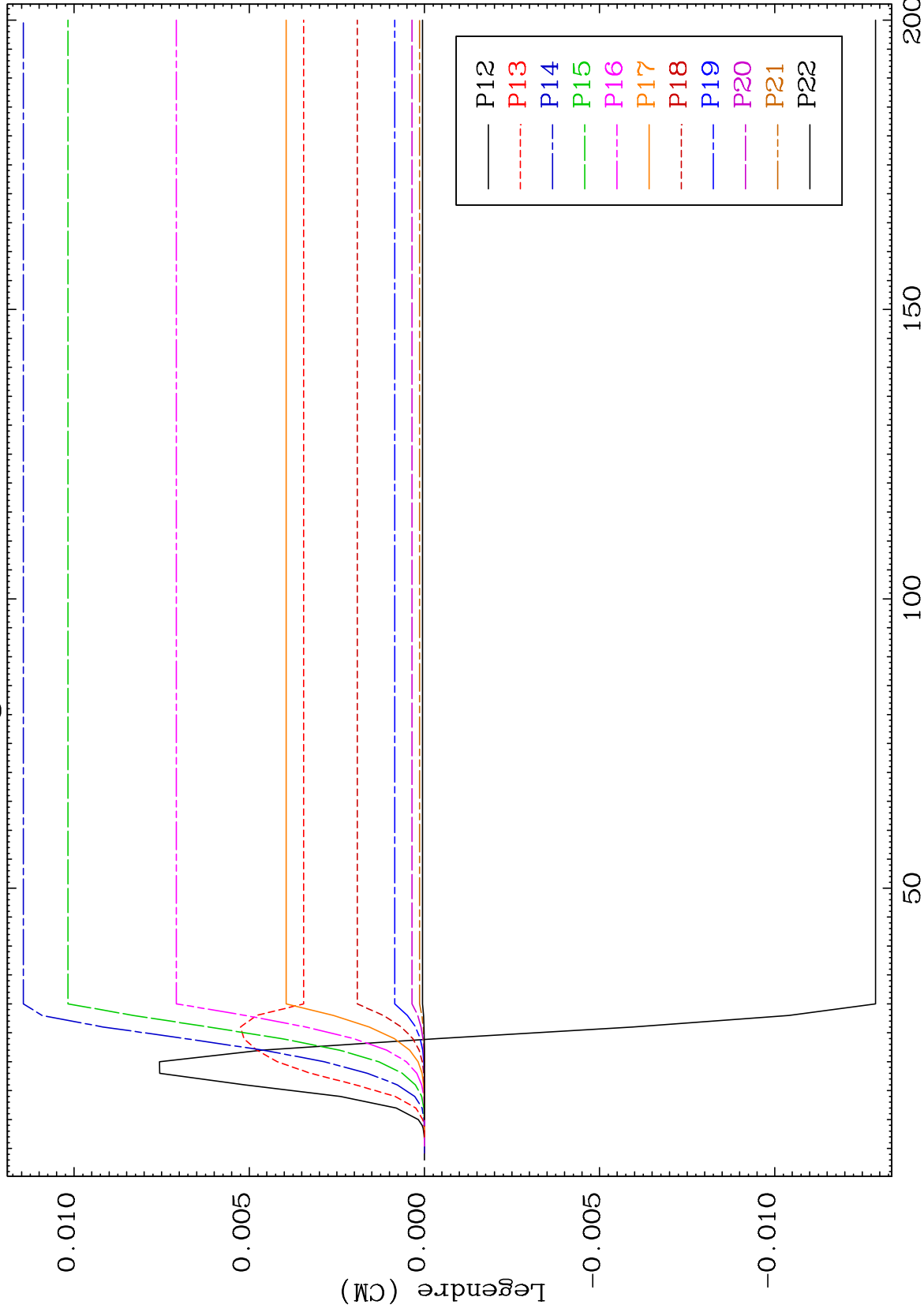
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MAT 2931

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

29-Cu-65



31

Incident Energy (MeV)

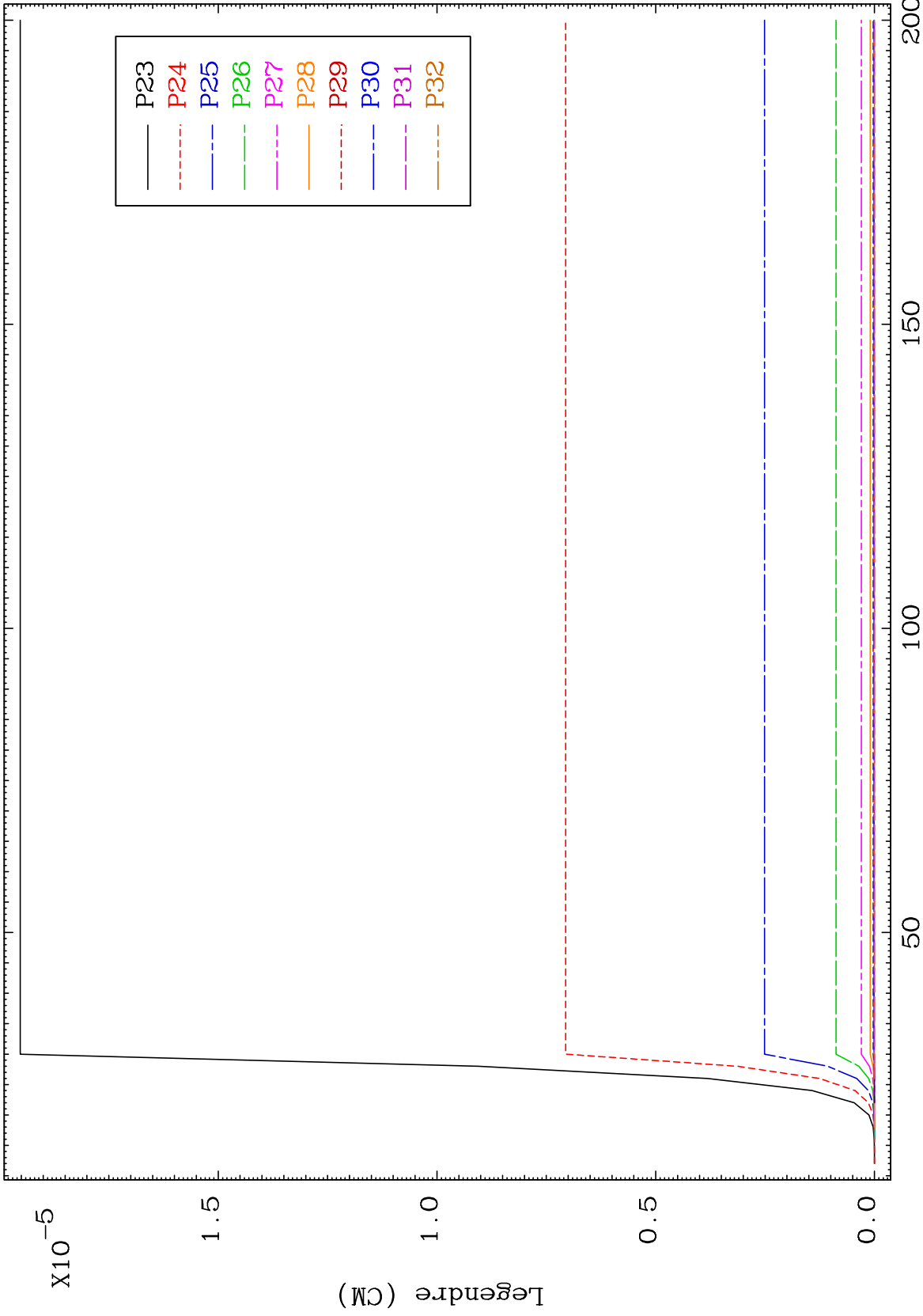
29-Cu-65



MAT 2931

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

29-Cu-65

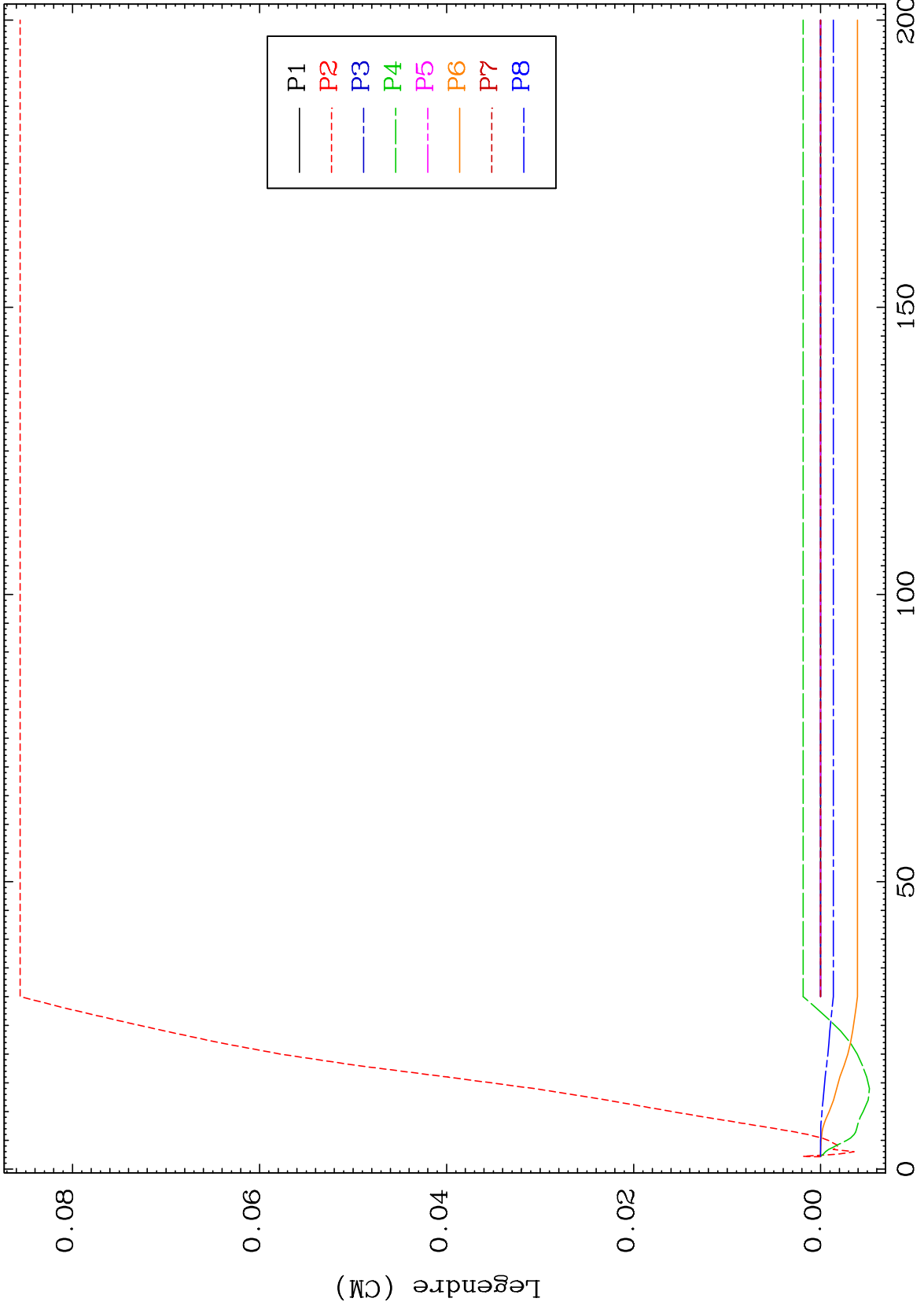


32

Incident Energy (MeV)

29-Cu-65

MAT 2931 MT= 56 (n,n') Level Legendre Coefficients 29-Cu-65

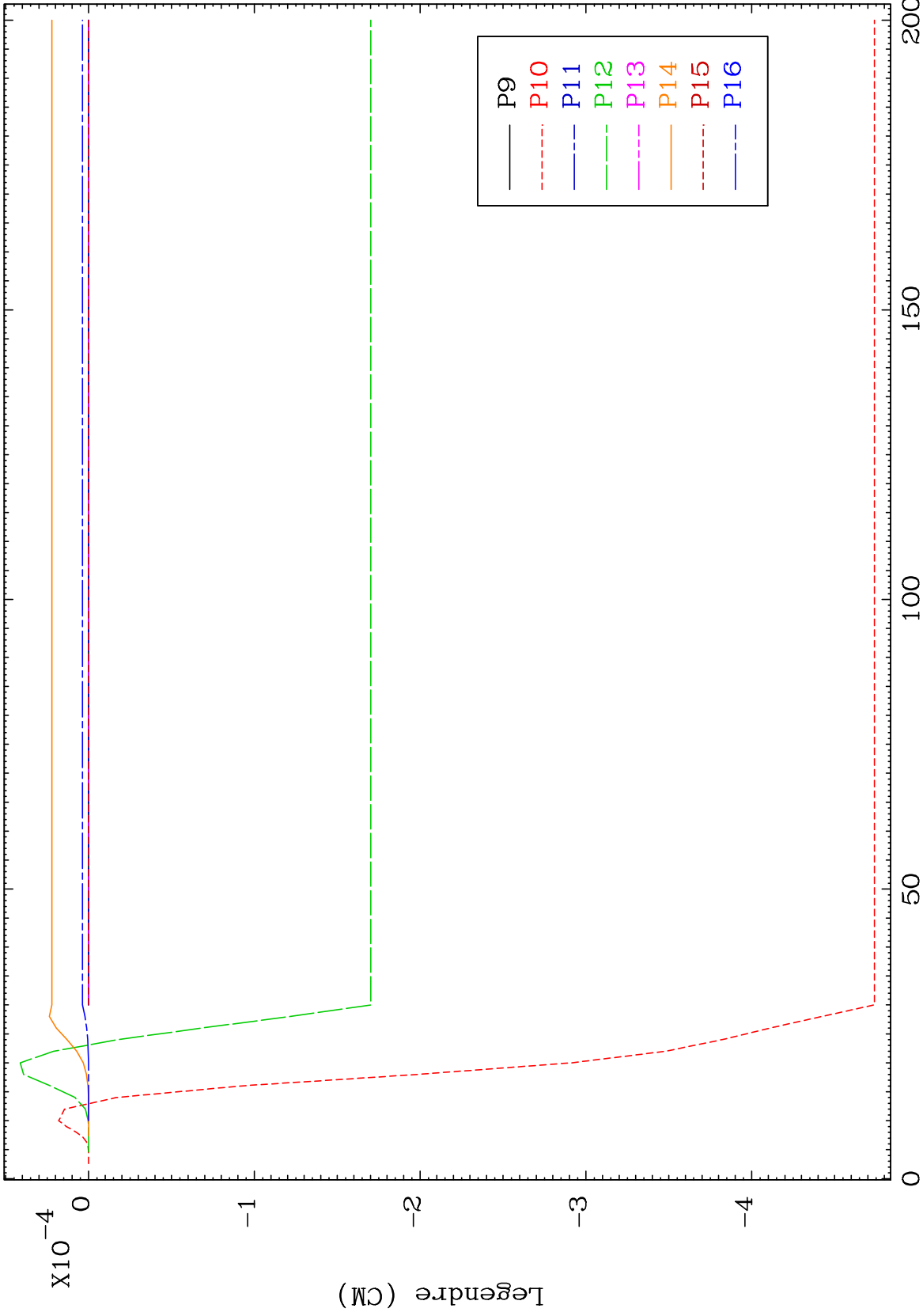


33 Incident Energy (MeV) 29-Cu-65

MAT 2931

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

29-Cu-65

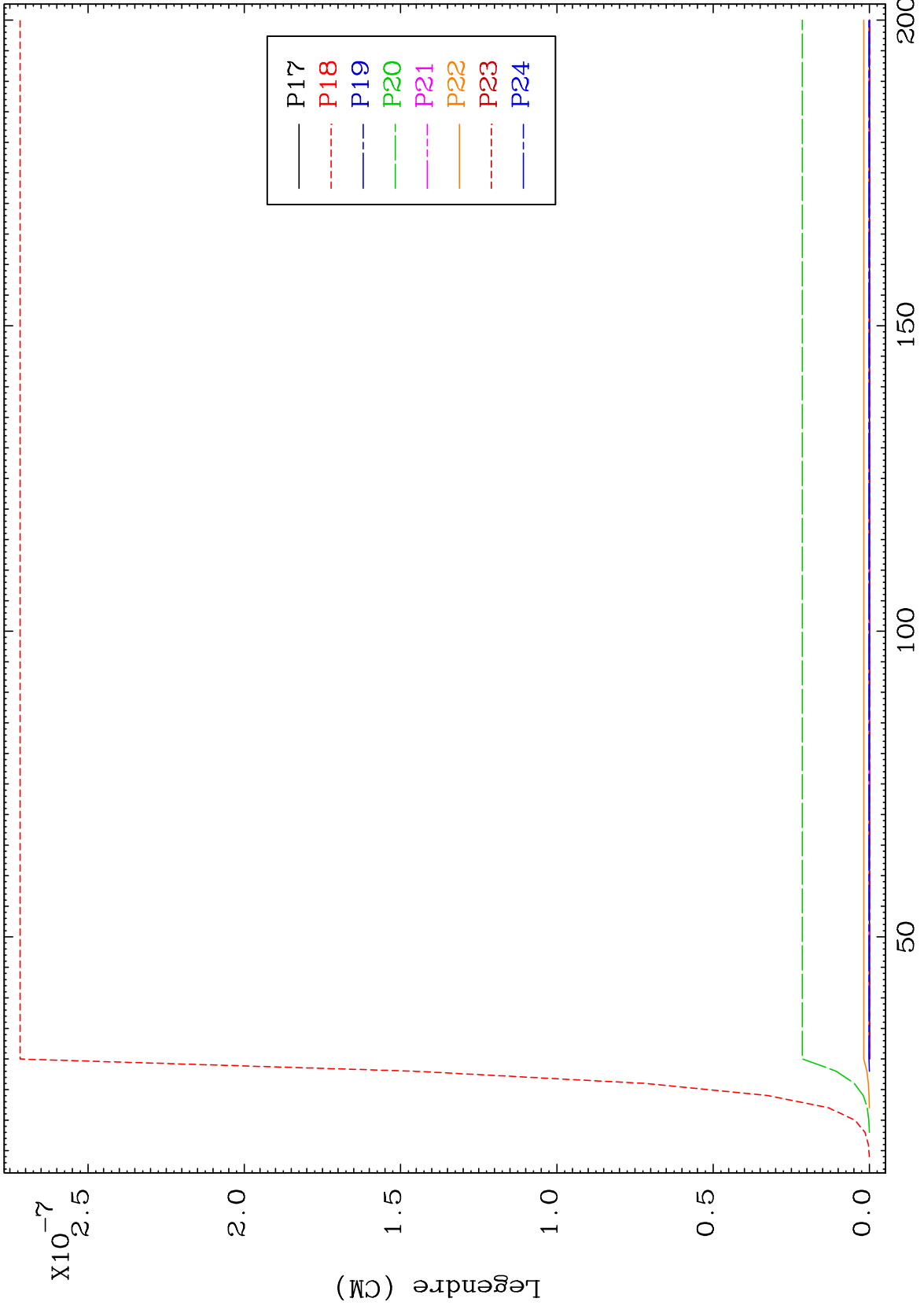


34

Incident Energy (MeV)

29-Cu-65

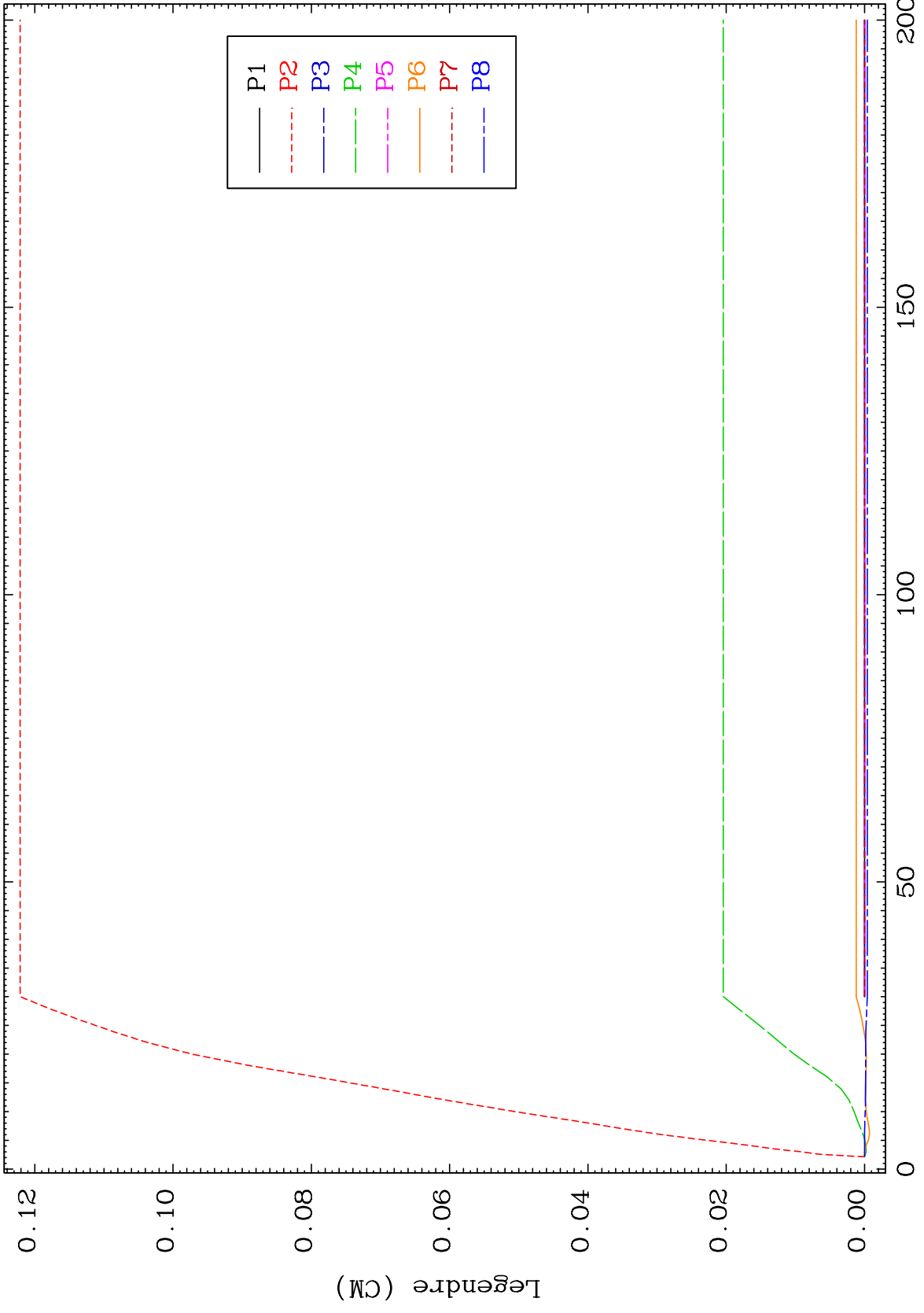
MAT 2931 MT= 56 (n,n') Level Legendre Coefficients 29-Cu-65



35 50 100 150 200 29-Cu-65

MAT 2931 MT= 57 (n,n') Level Legendre Coefficients

29-Cu-65



29-Cu-65

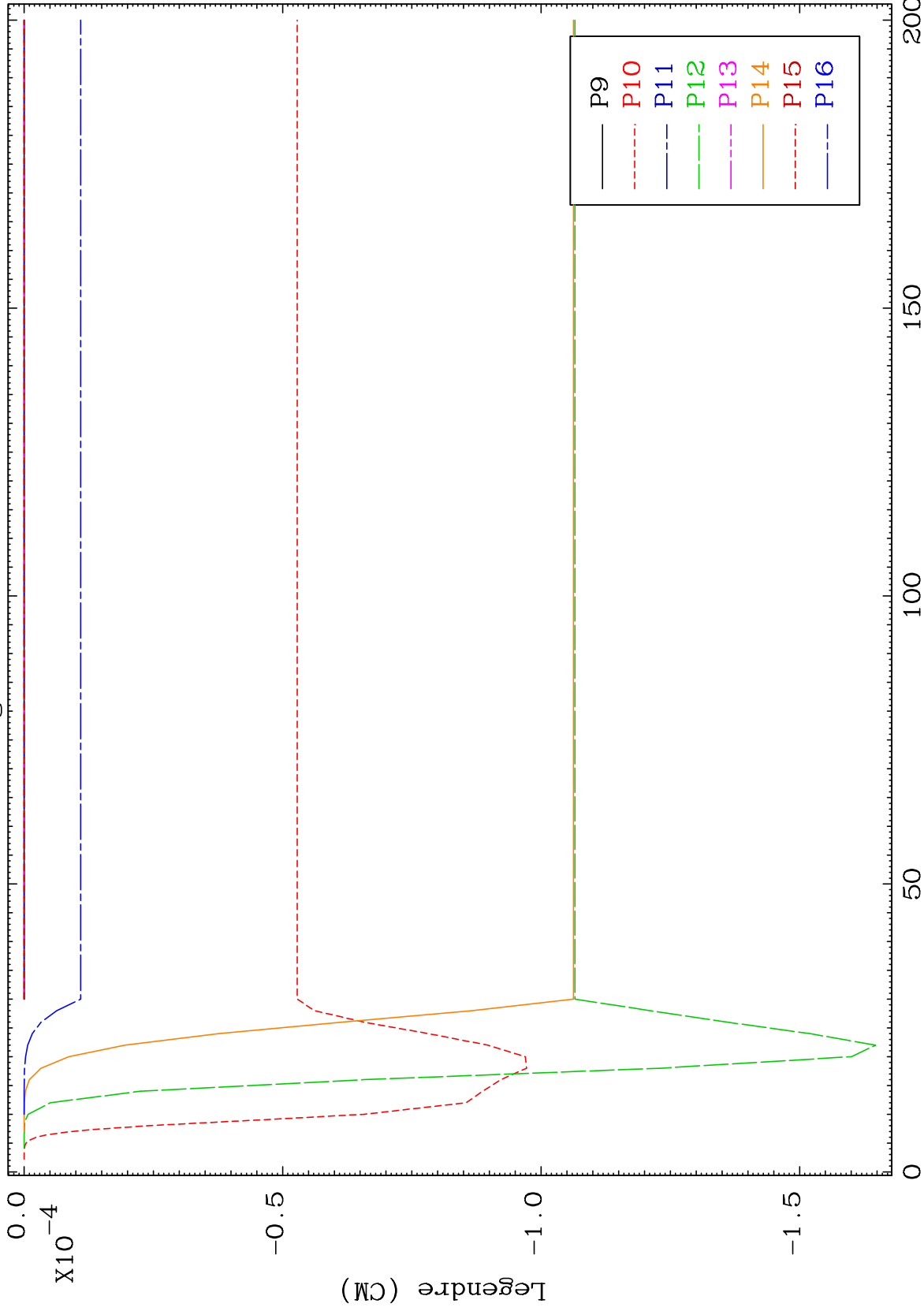
Incident Energy (MeV)

36

MAT 2931

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

29-Cu-65

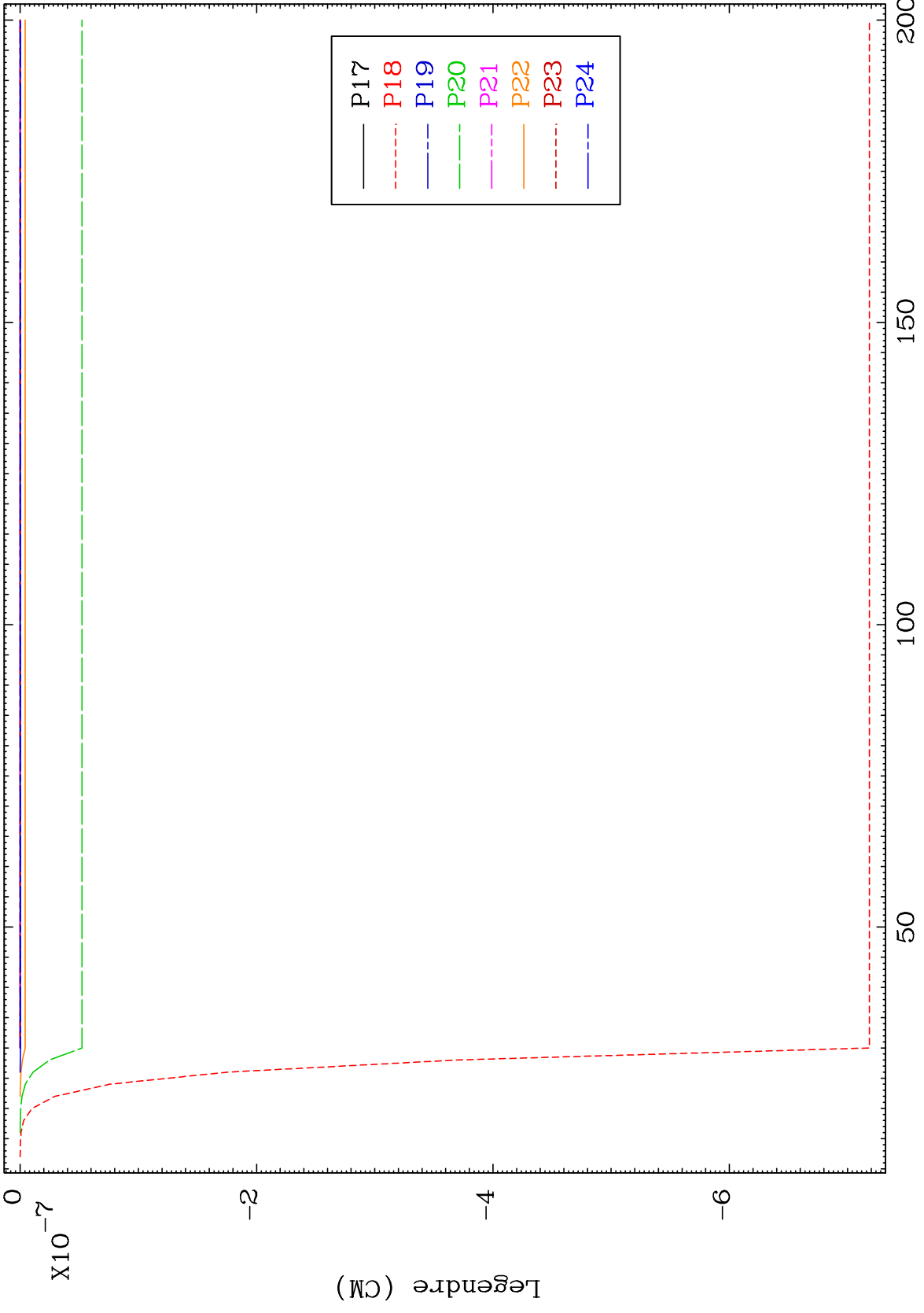


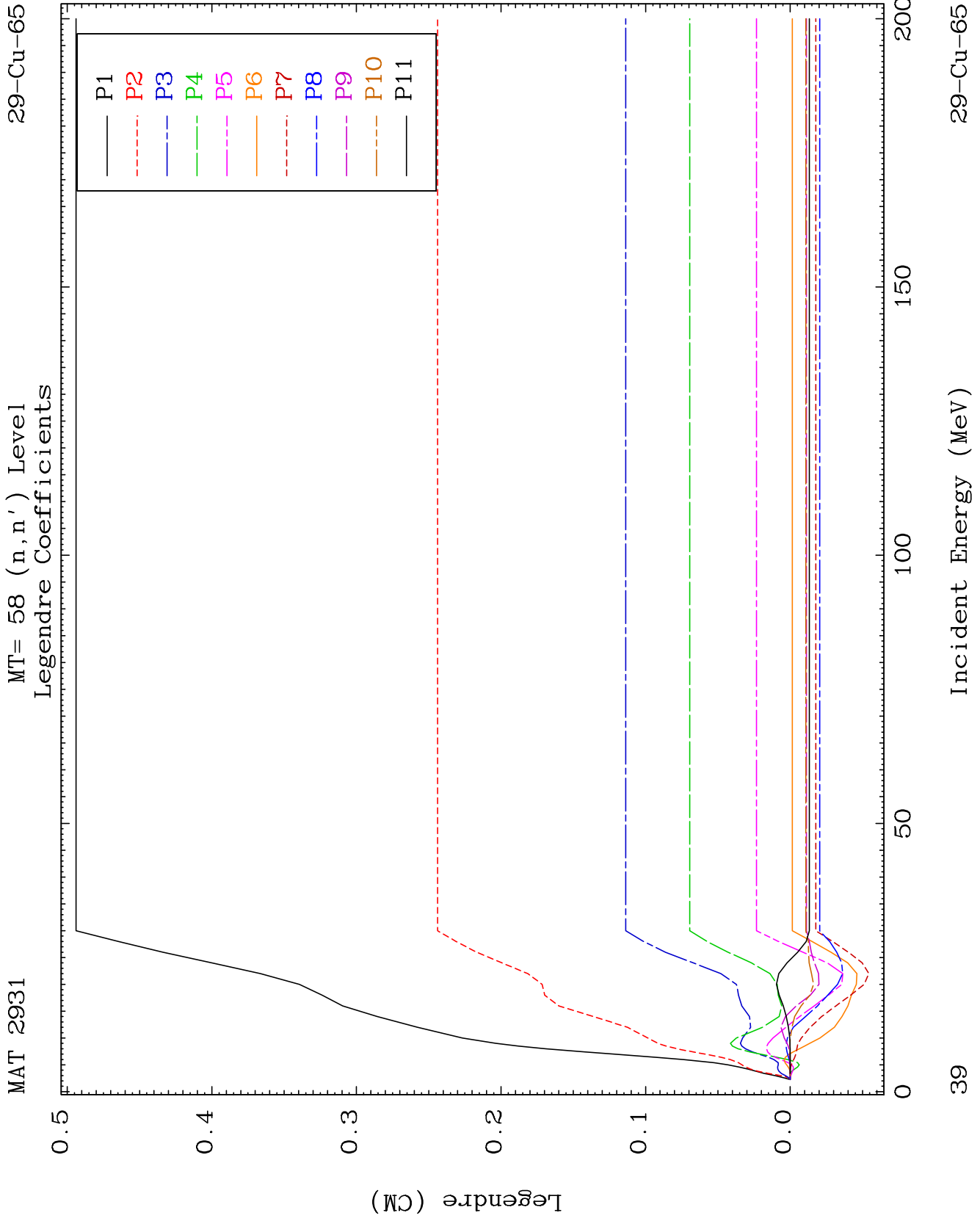
29-Cu-65

Incident Energy (MeV)

37

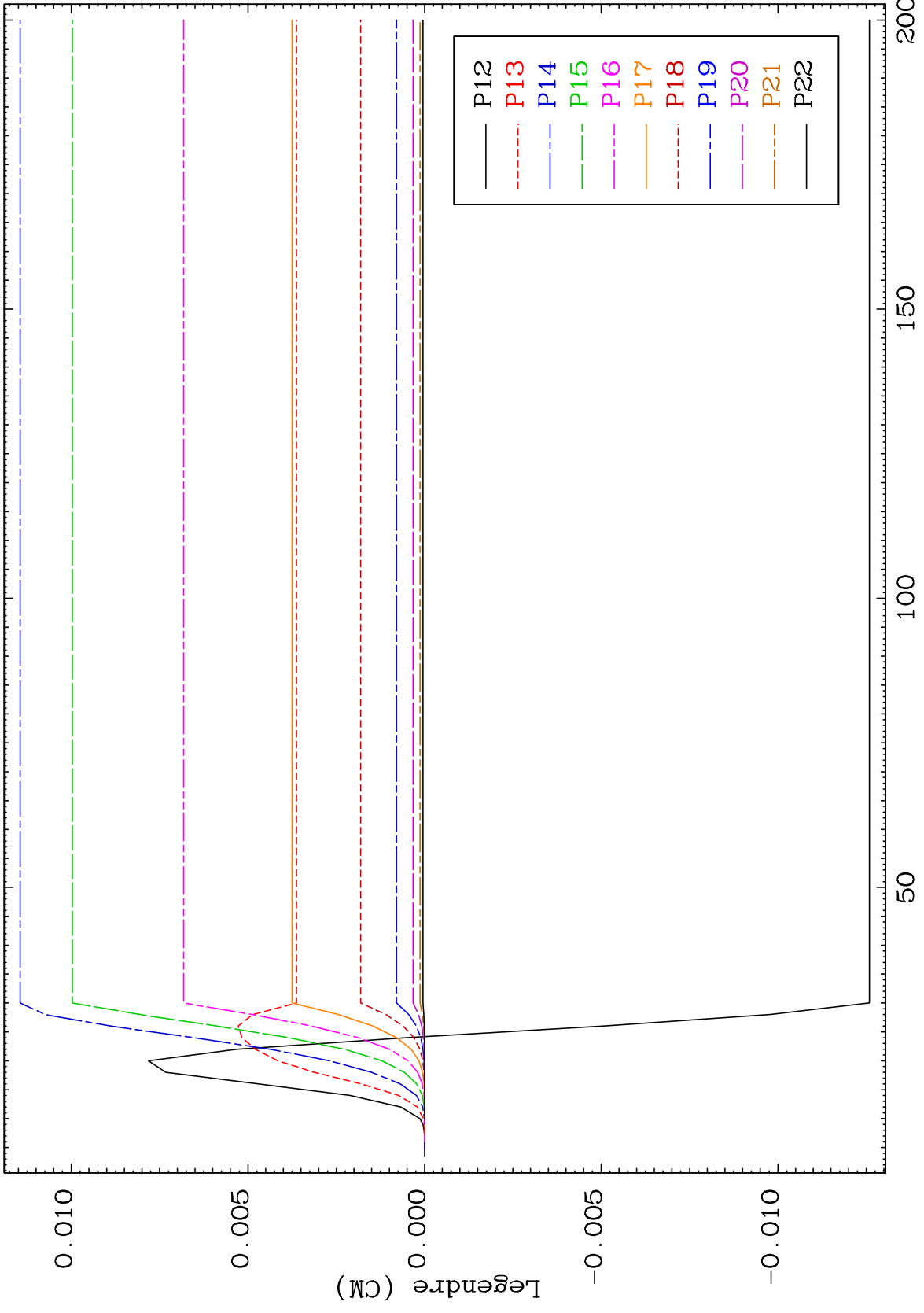
MAT 2931 MT= 57 (n,n') Level Legendre Coefficients 29-Cu-65







MAT 2931 MT= 58 (n,n') Level Legendre Coefficients 29-Cu-65

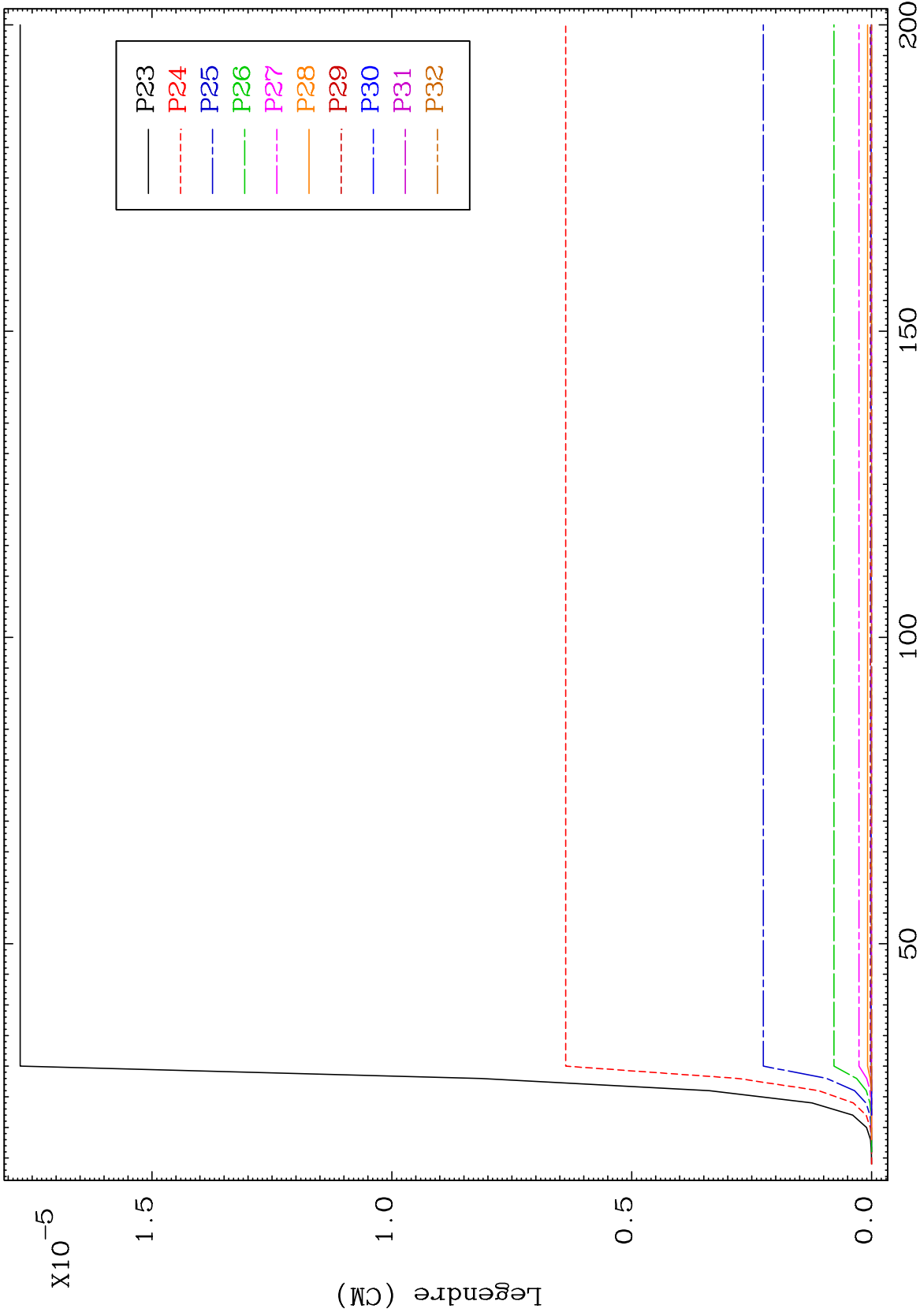


40 Incident Energy (MeV) 29-Cu-65

MAT 2931

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

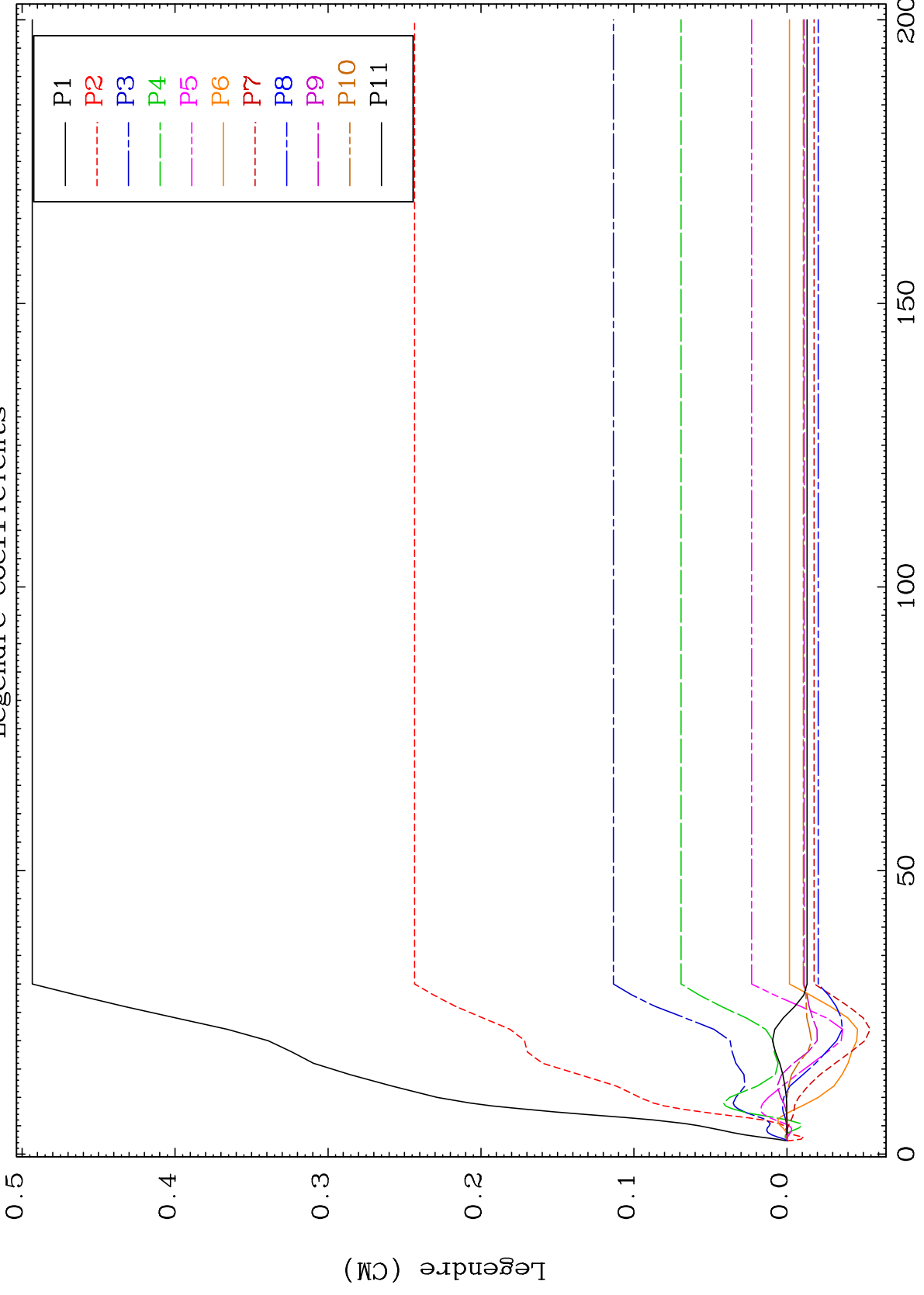
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41

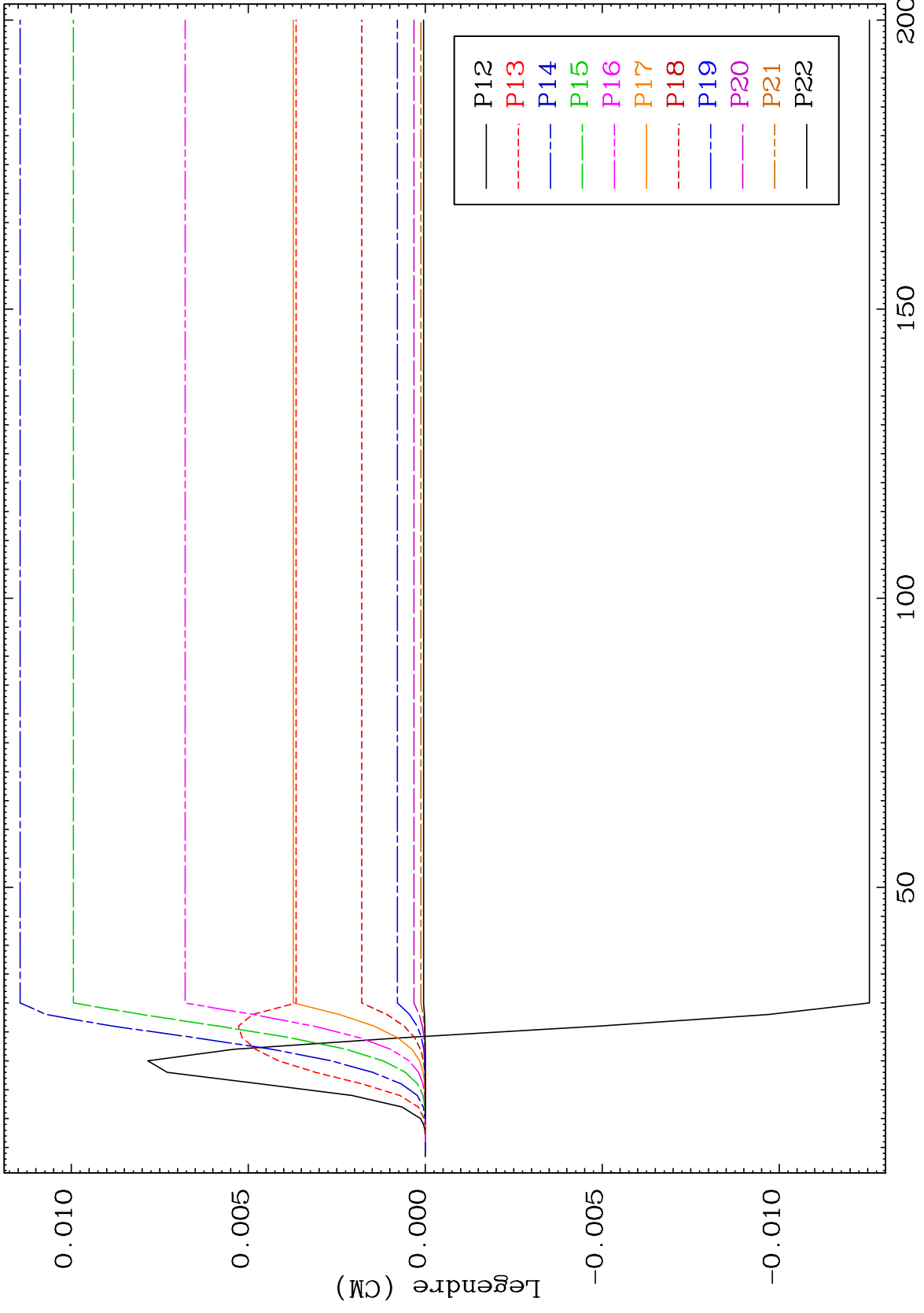
29-Cu-65

MAT 2931 MT= 59 (n,n') Level Legendre Coefficients 29-Cu-65



42 Incident Energy (MeV) 29-Cu-65

MAT 2931 MT= 59 (n,n') Level Legendre Coefficients 29-Cu-65

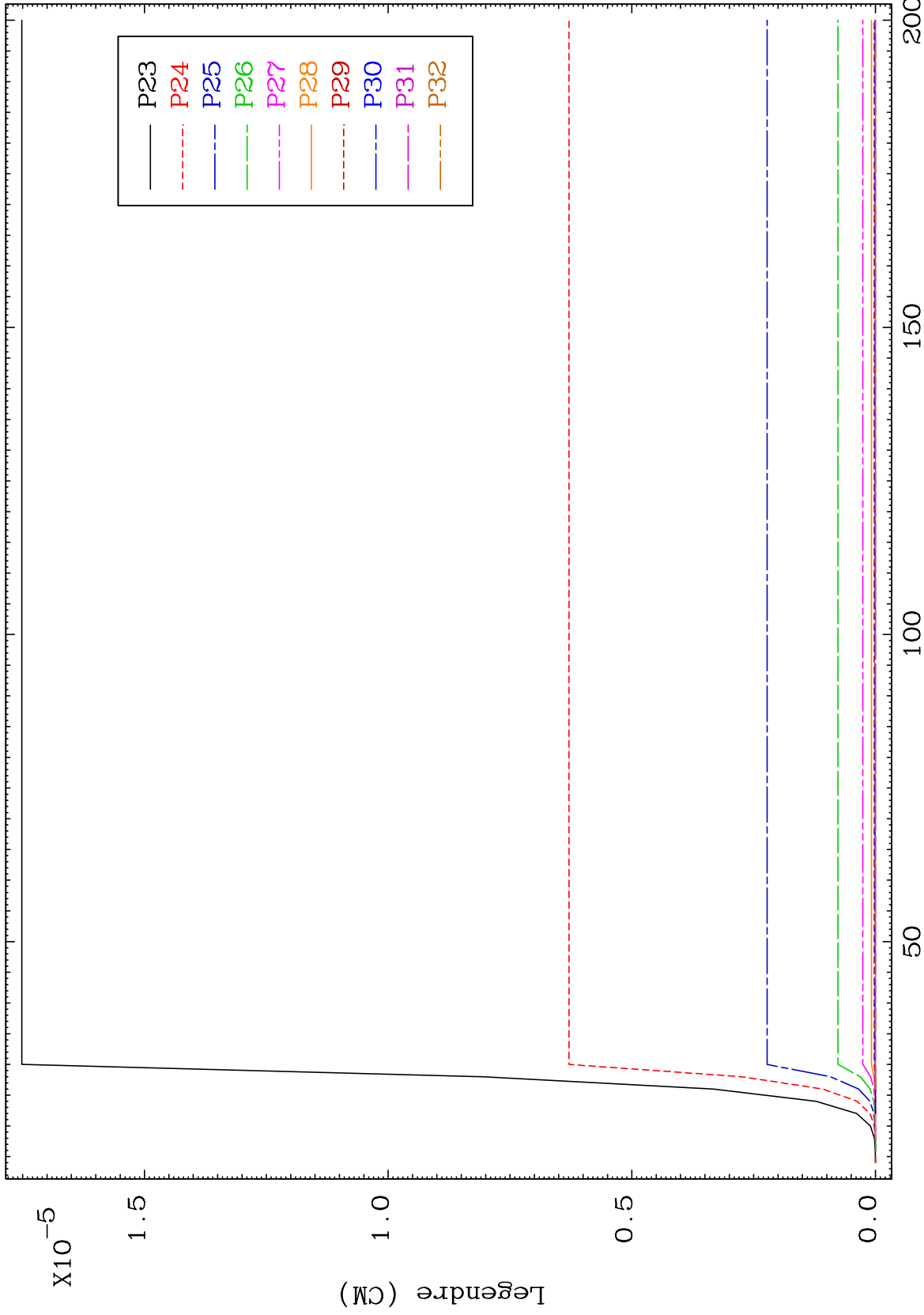


43 Incident Energy (MeV) 29-Cu-65

MAT 2931

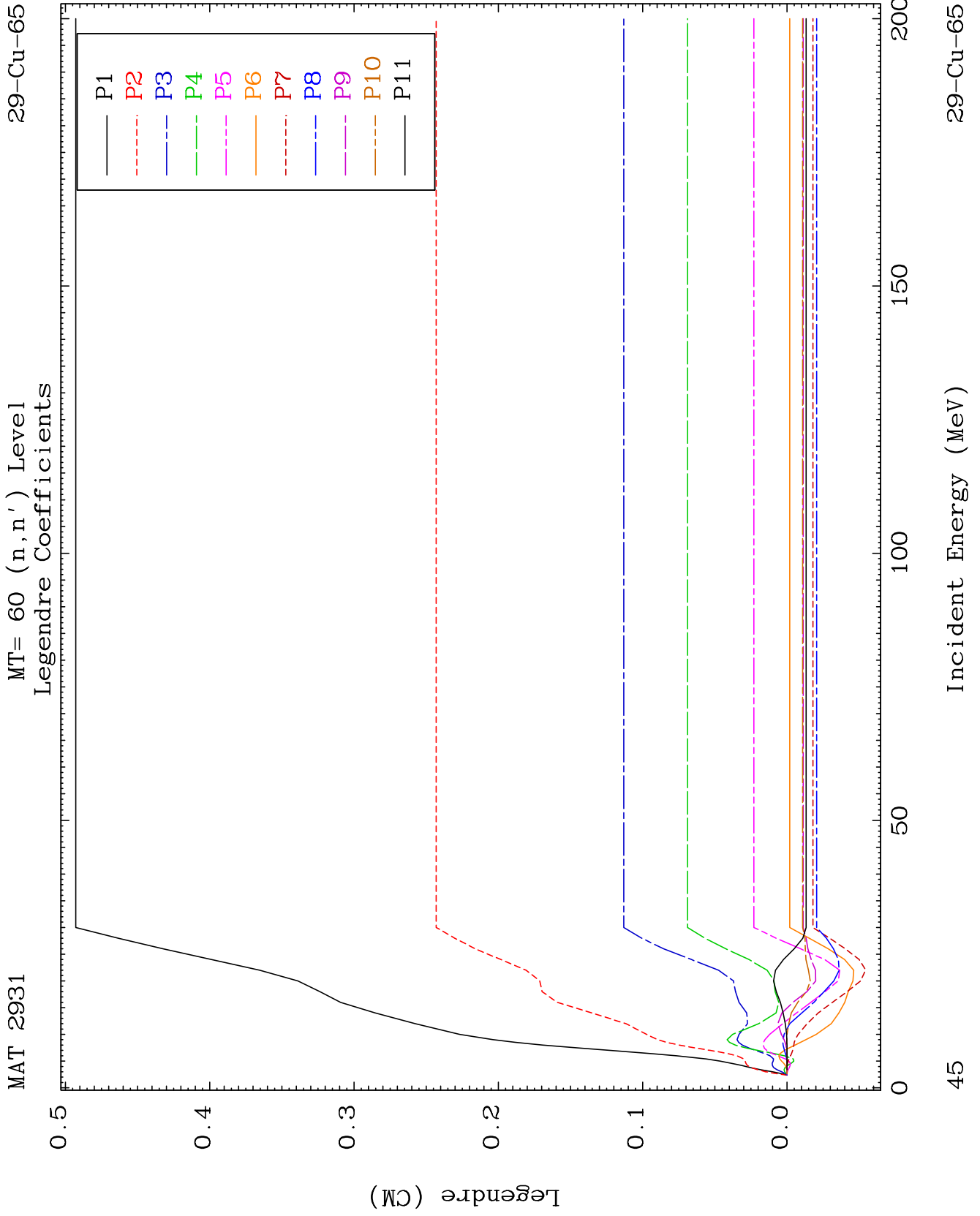
MT= 59 (n,n') Level  
Legendre Coefficients

29-Cu-65

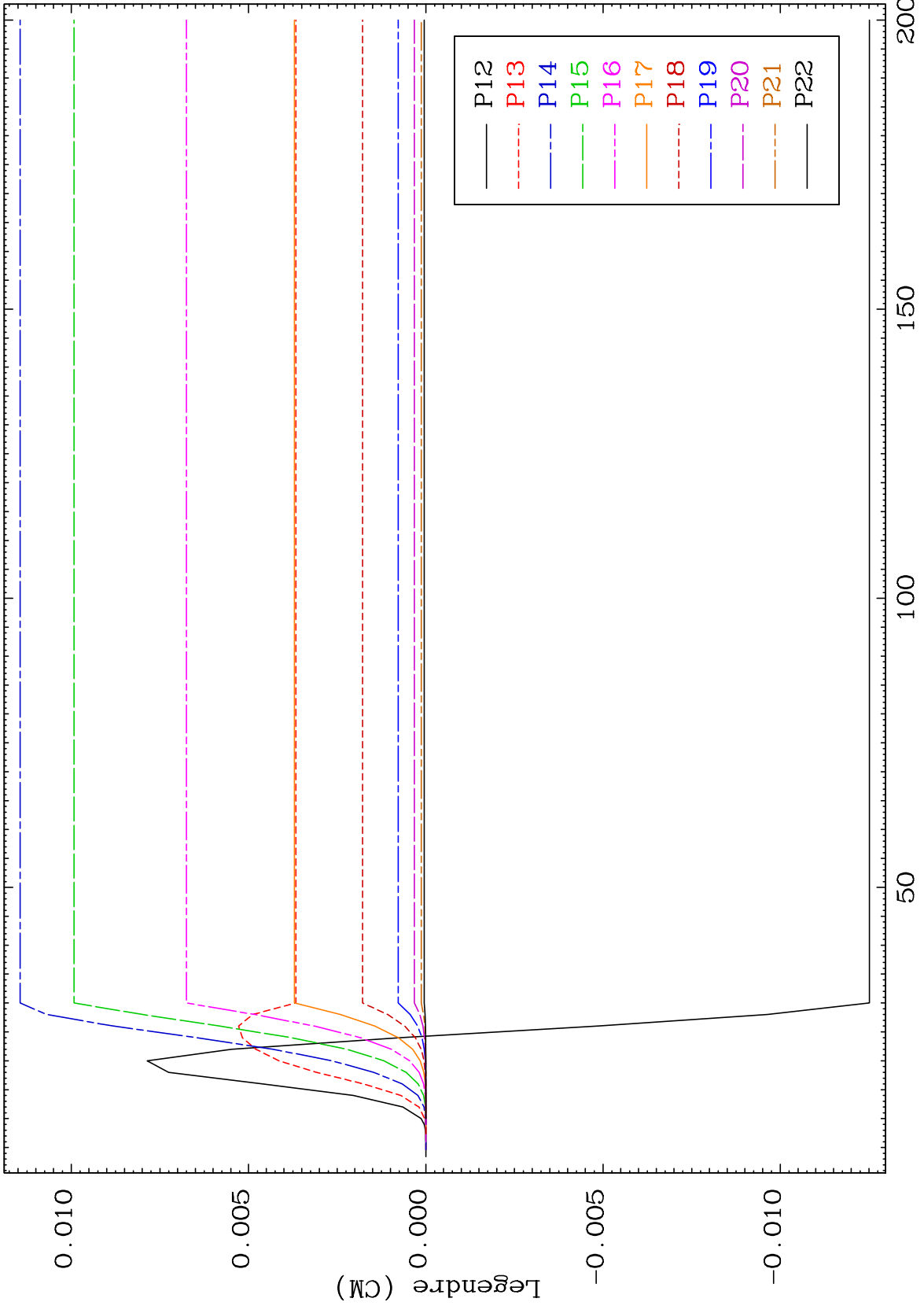


44

29-Cu-65



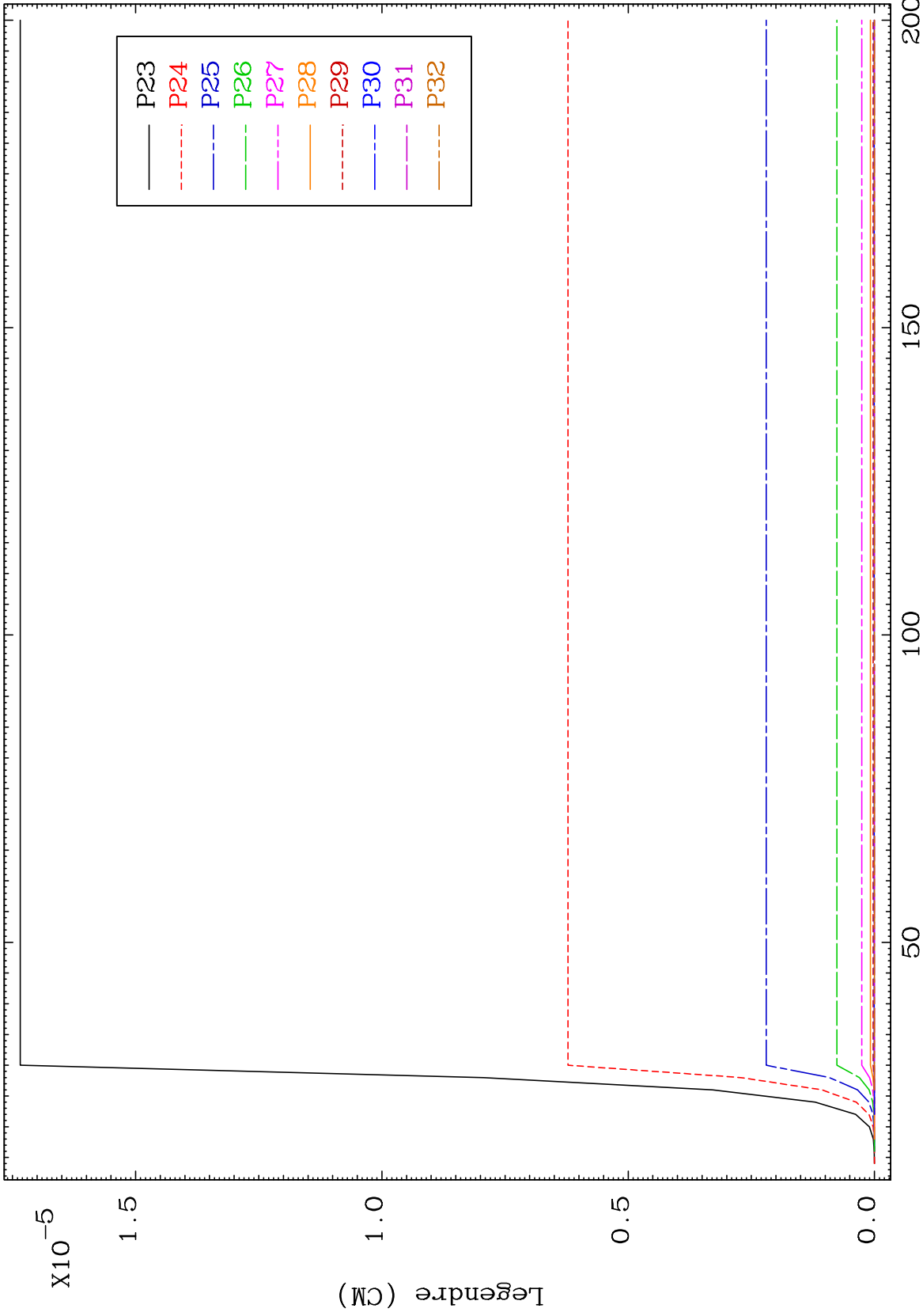
MAT 2931 MT= 60 (n,n') Level Legendre Coefficients 29-Cu-65



MAT 2931

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

29-Cu-65



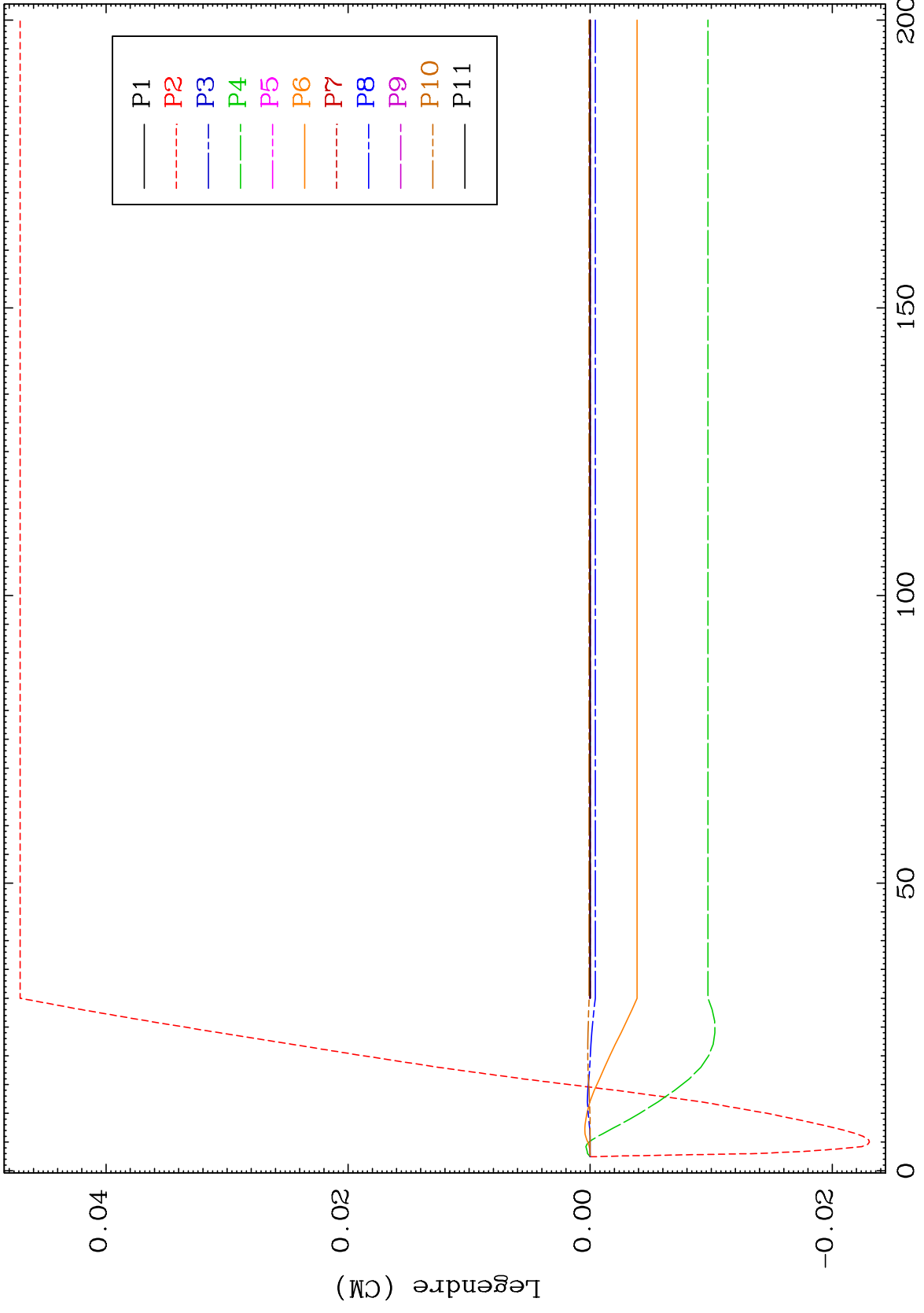
47

Incident Energy (MeV)

29-Cu-65



MAT 2931 MT= 61 (n,n') Level Legendre Coefficients 29-Cu-65

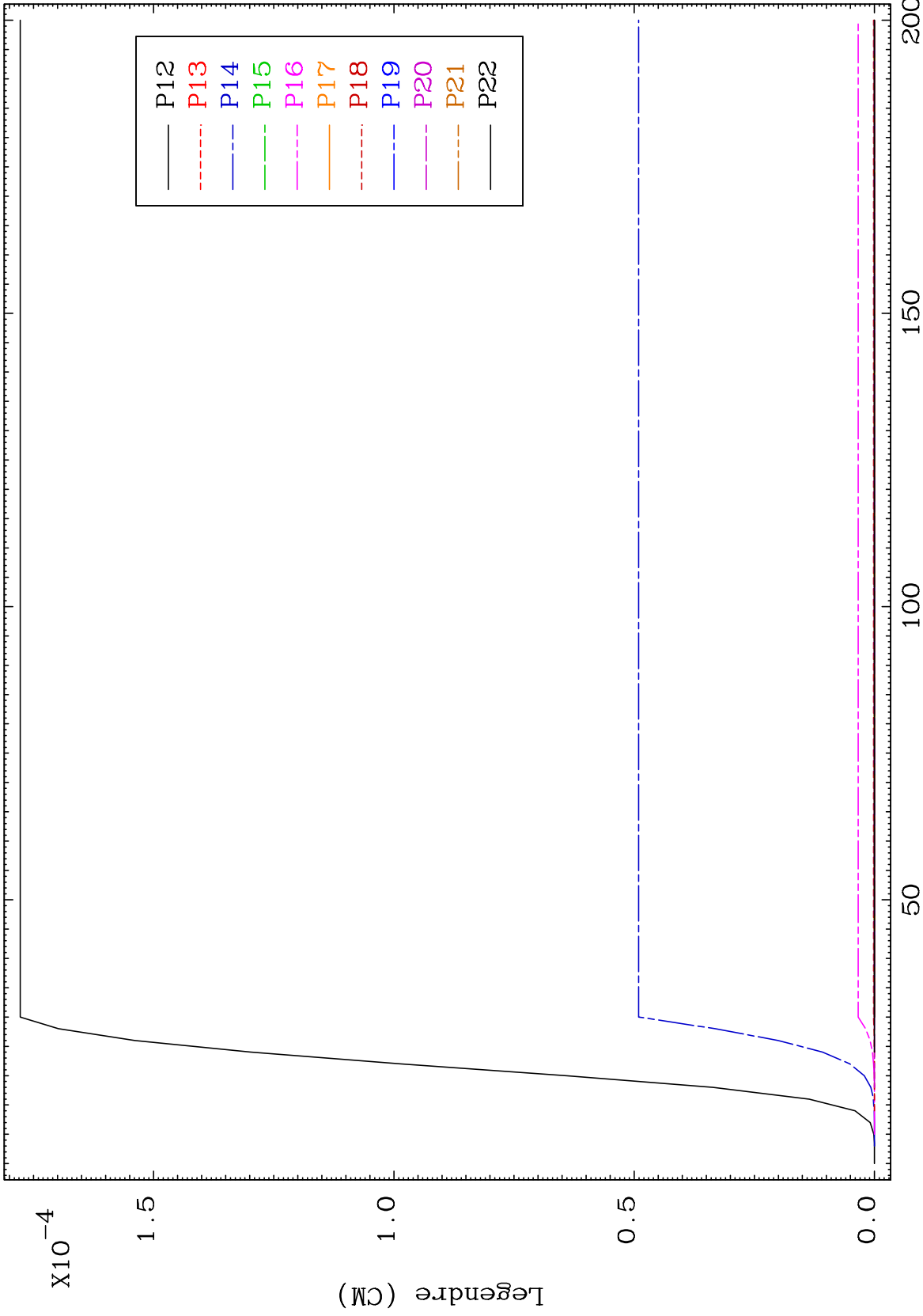


48 Incident Energy (MeV) 29-Cu-65

MAT 2931

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

29-Cu-65

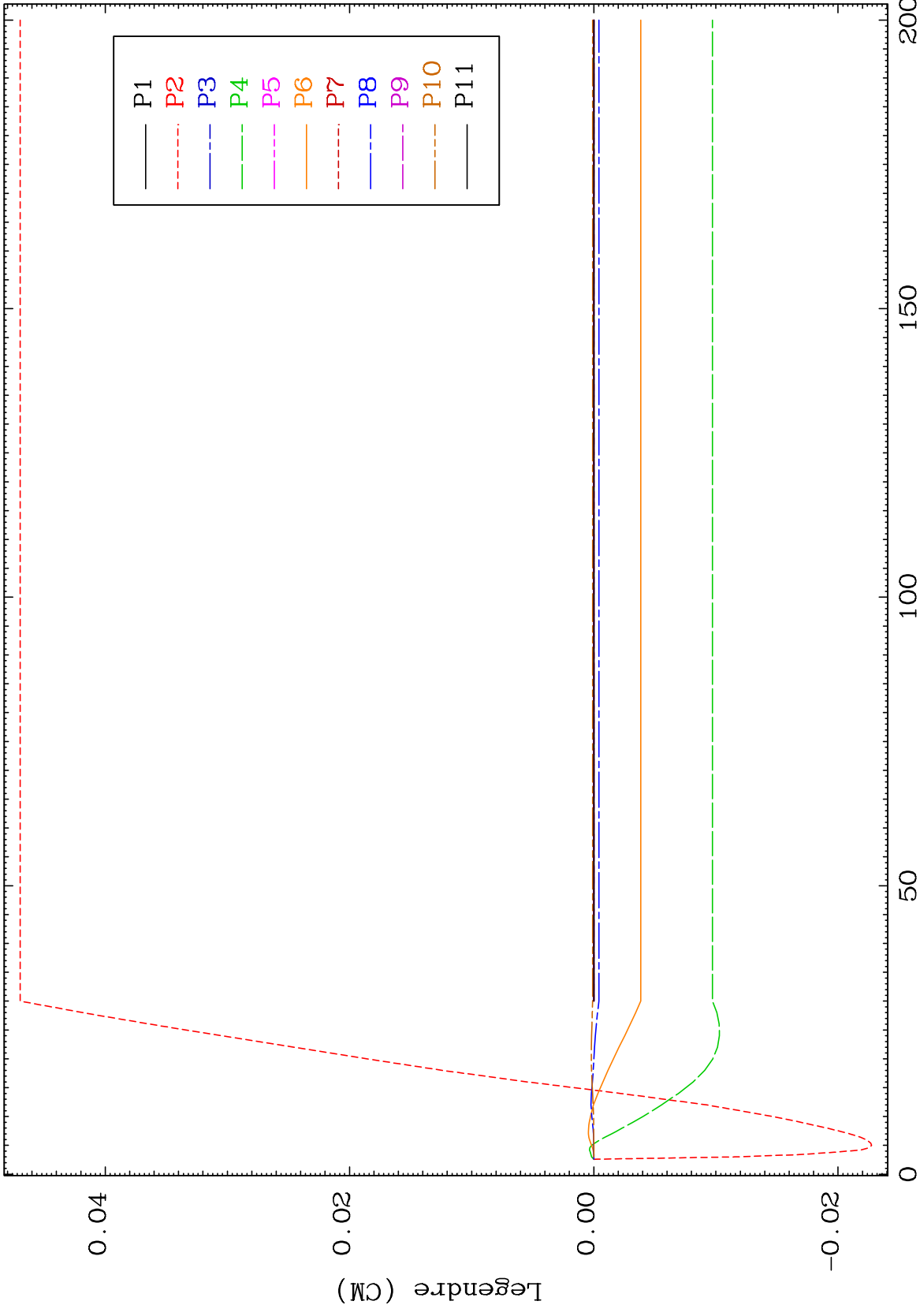


49

Incident Energy (MeV)

29-Cu-65

MAT 2931 MT= 62 (n,n') Level Legendre Coefficients 29-Cu-65

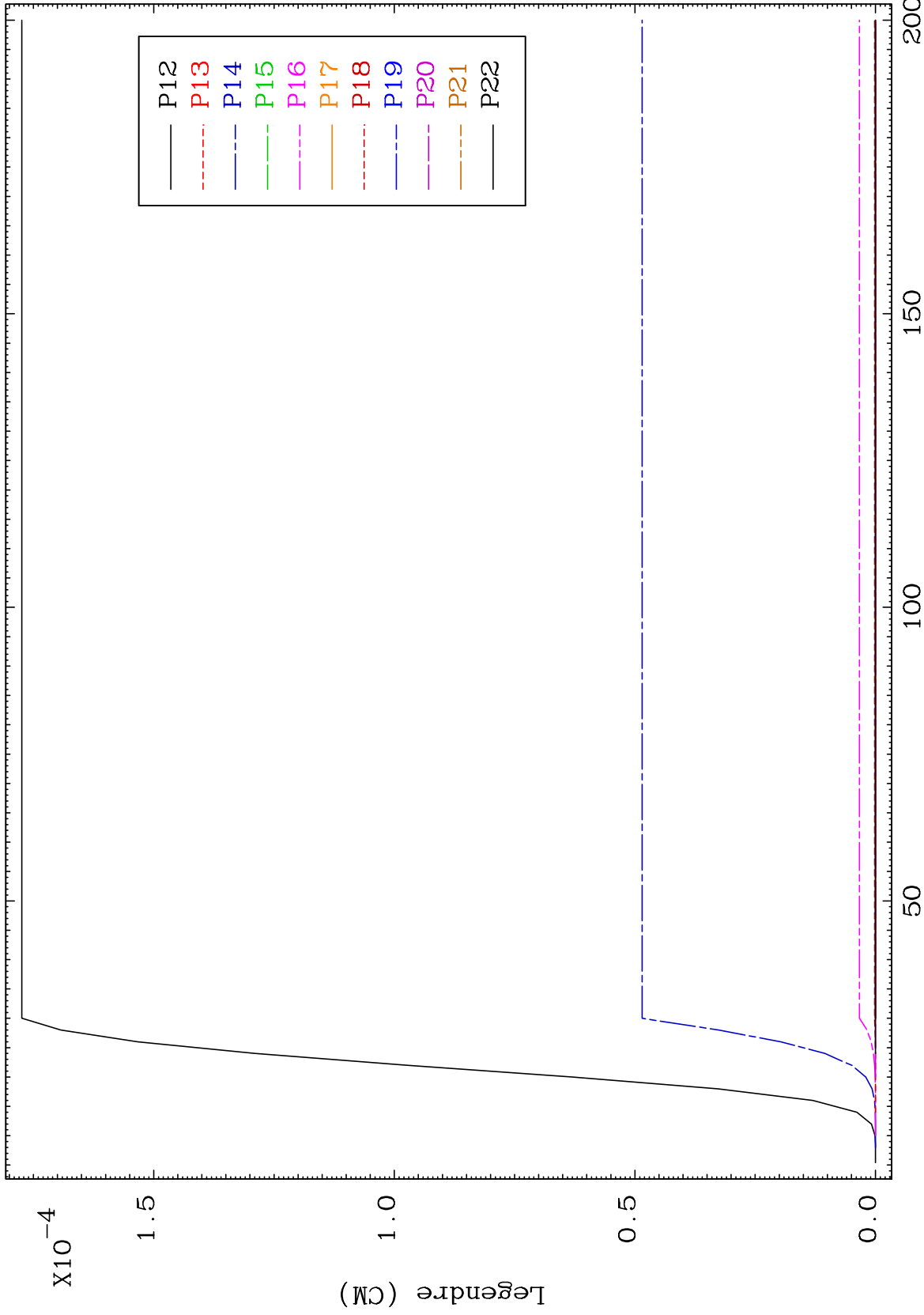


29-Cu-65

MAT 2931

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

29-Cu-65

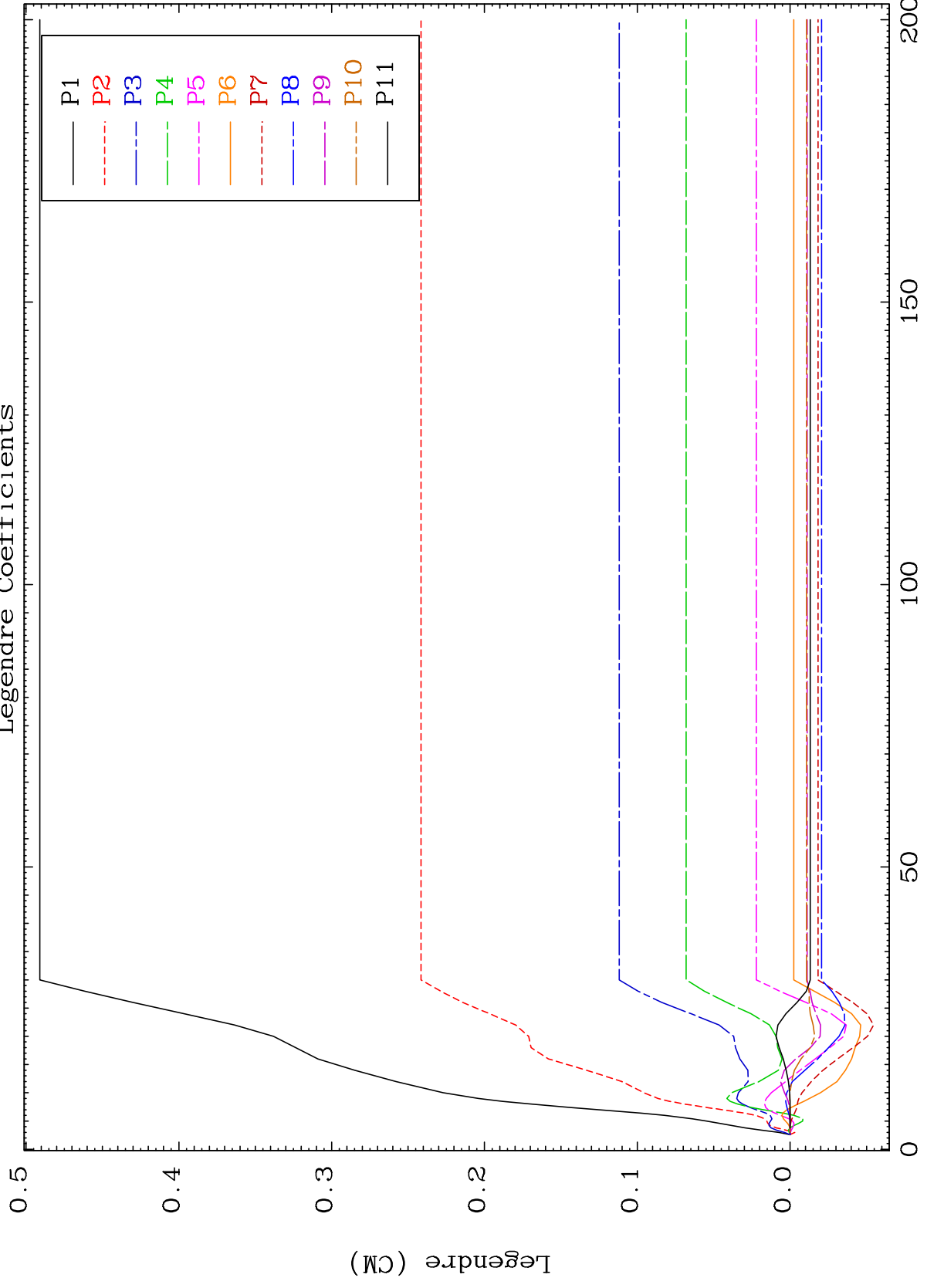


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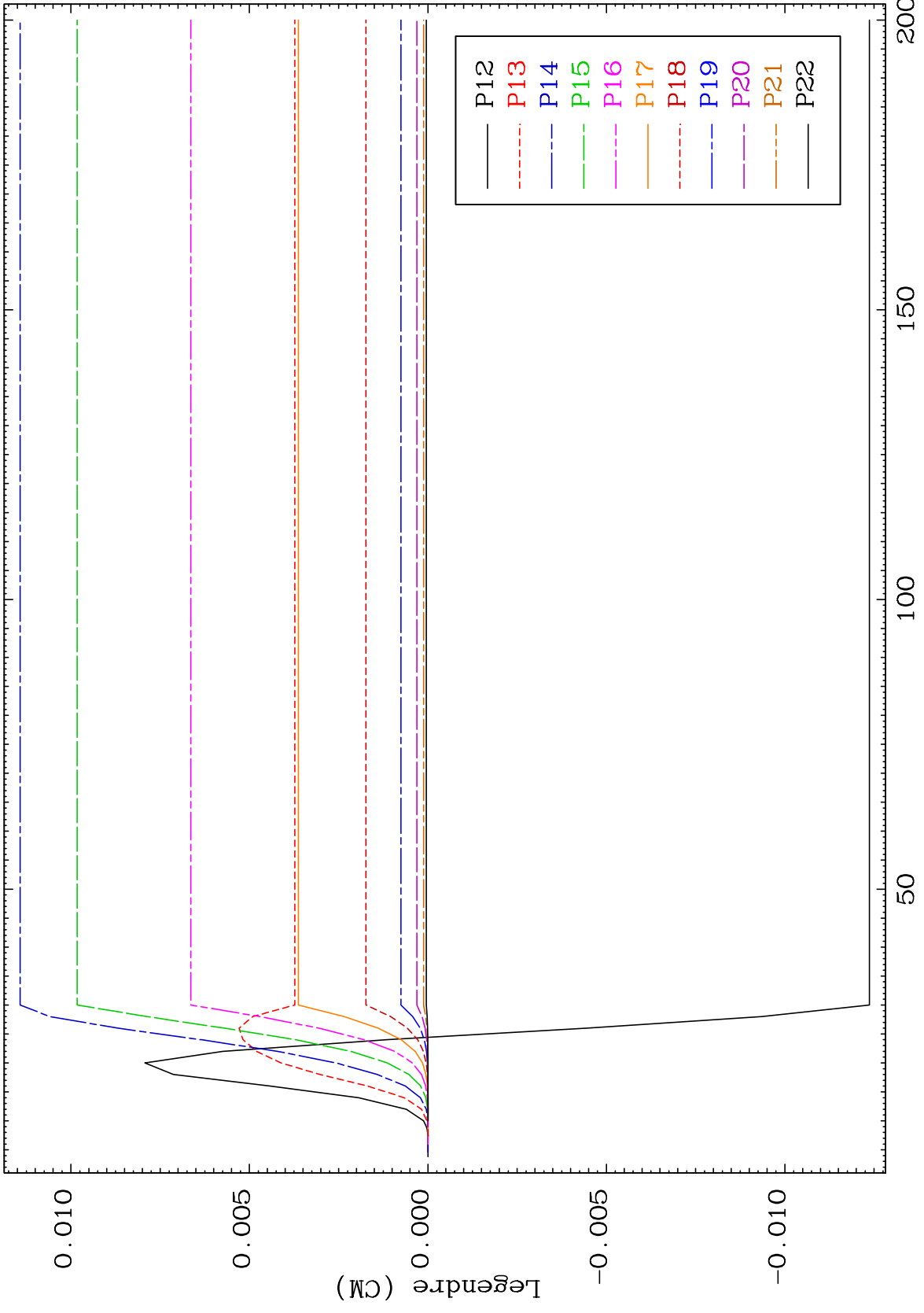
Incident Energy (MeV)

29-Cu-65

MAT 2931 MT= 63 (n,n') Level Legendre Coefficients 29-Cu-65



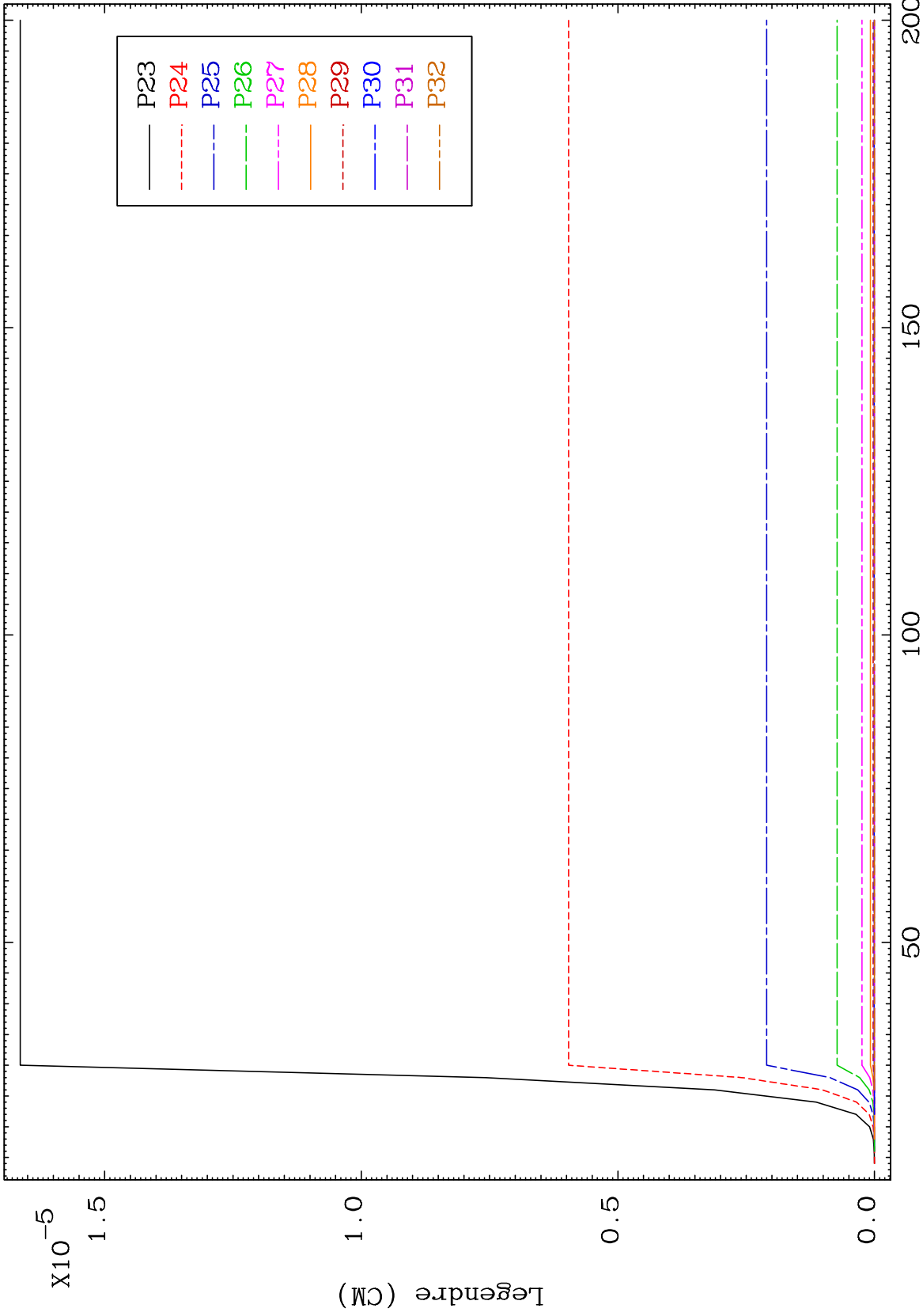
52 Incident Energy (MeV) 29-Cu-65



MAT 2931

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

29-Cu-65

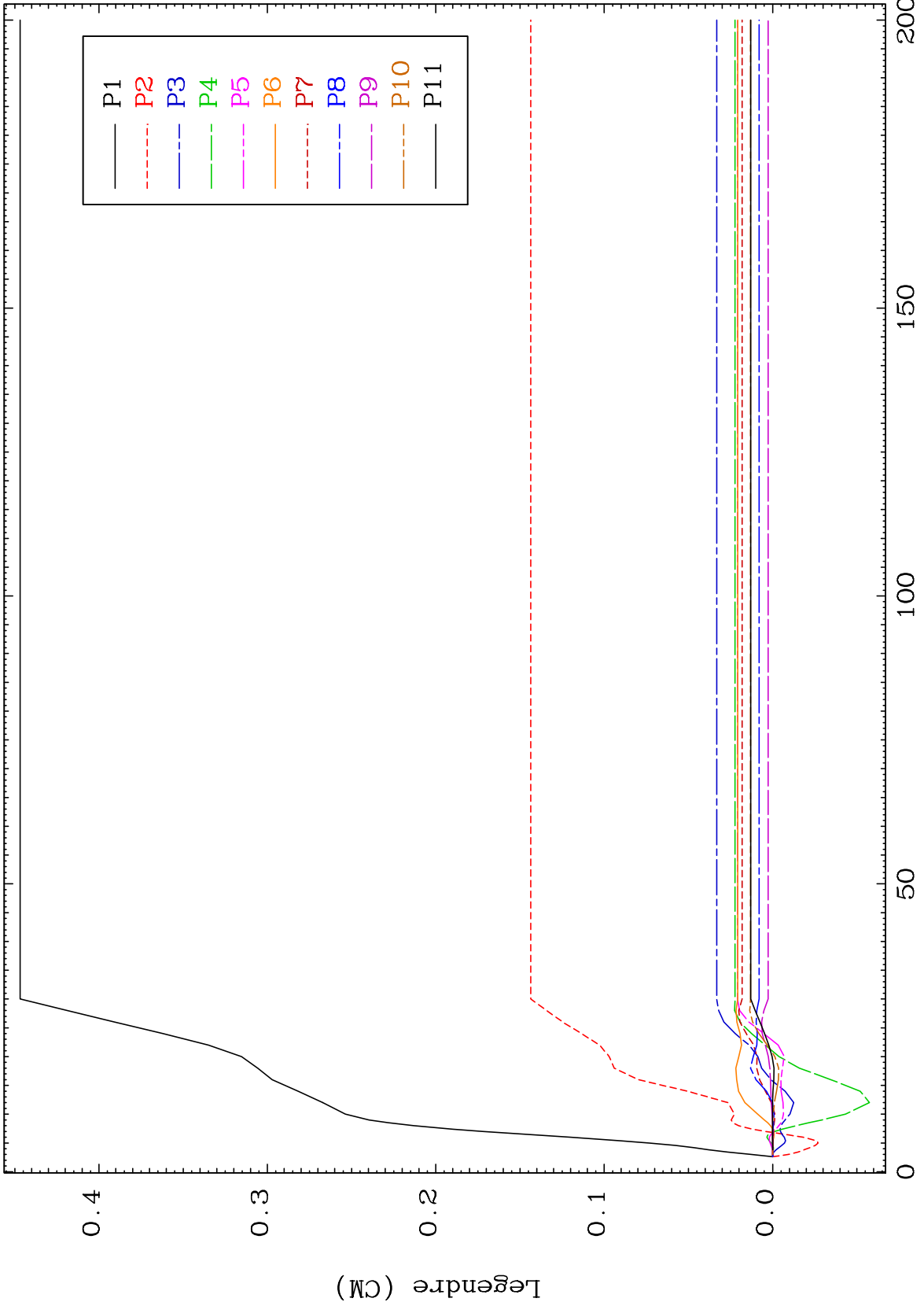


54

Incident Energy (MeV)

29-Cu-65

MAT 2931 MT= 64 (n,n') Level Legendre Coefficients 29-Cu-65



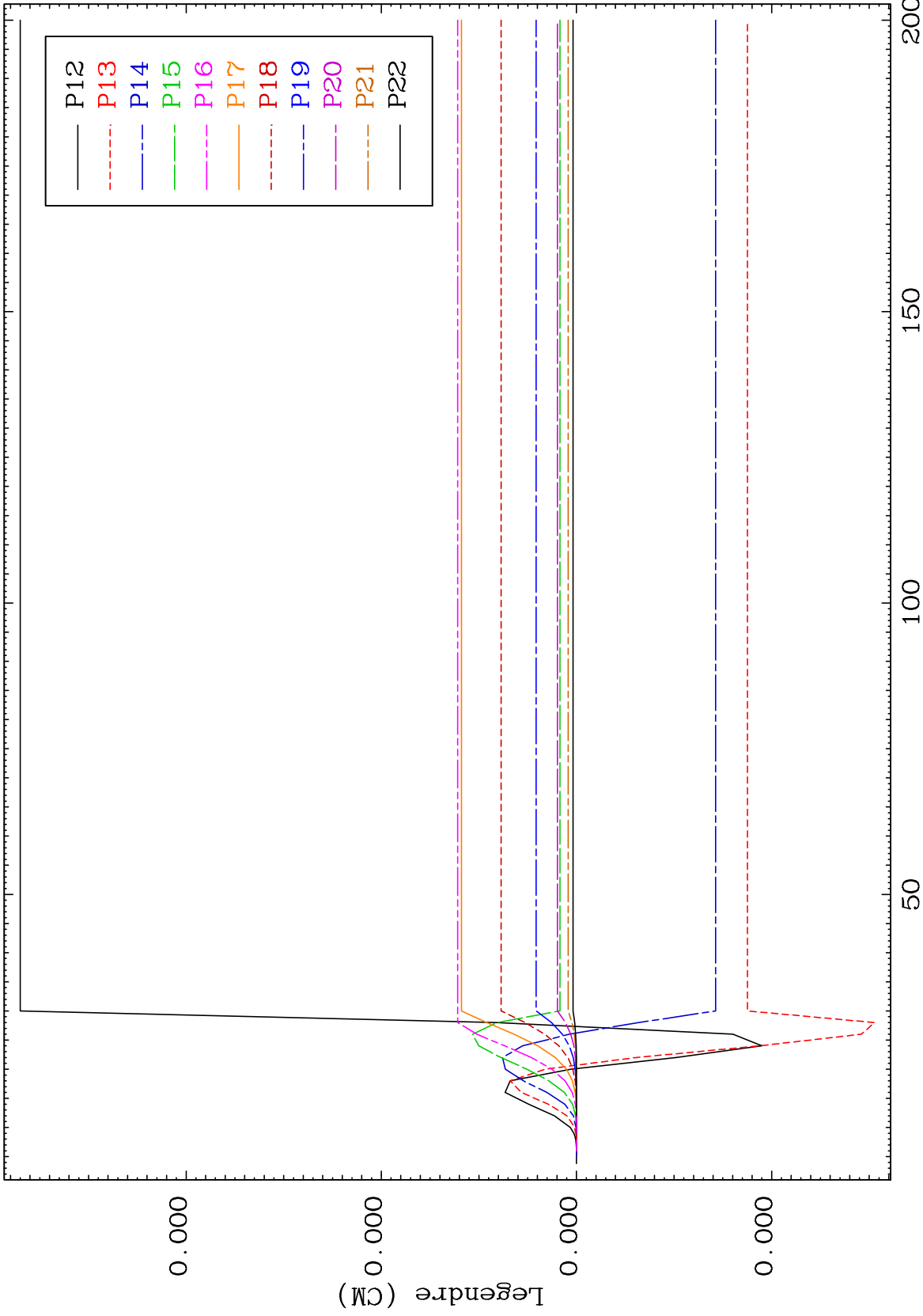
55 Incident Energy (MeV) 29-Cu-65



MAT 2931

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

29-Cu-65



56

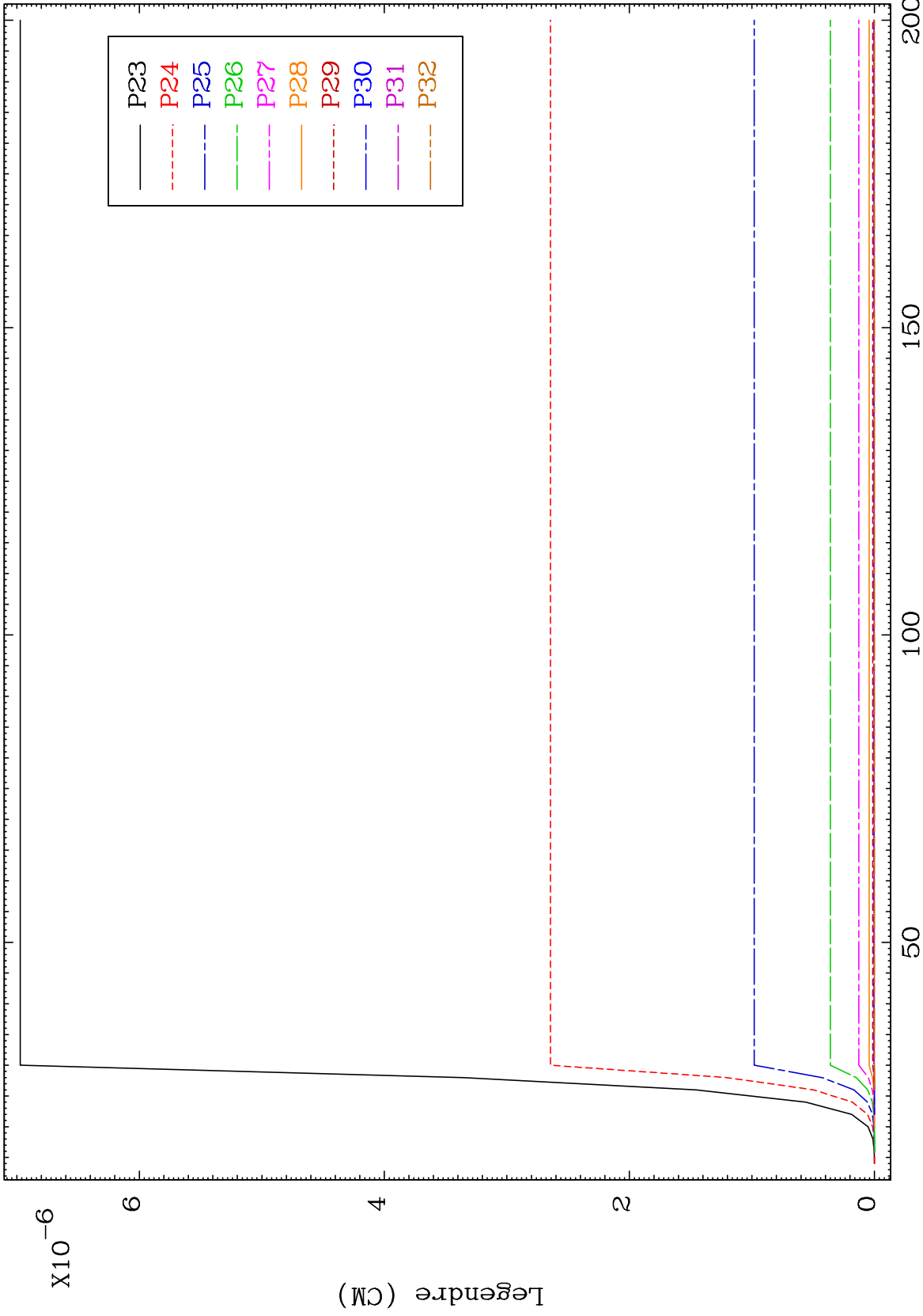
Incident Energy (MeV)

29-Cu-65

MAT 2931

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

29-Cu-65

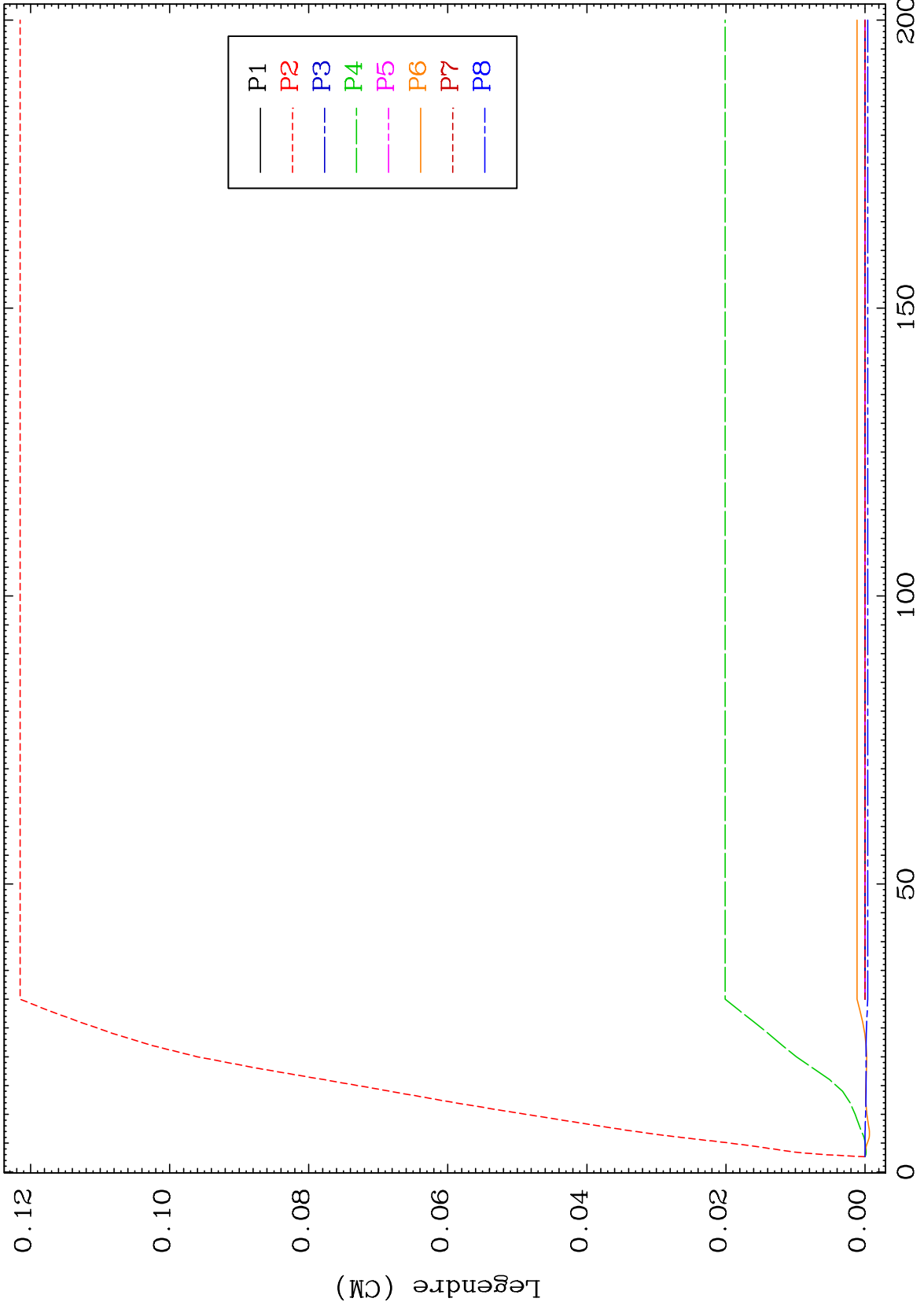


57

Incident Energy (MeV)

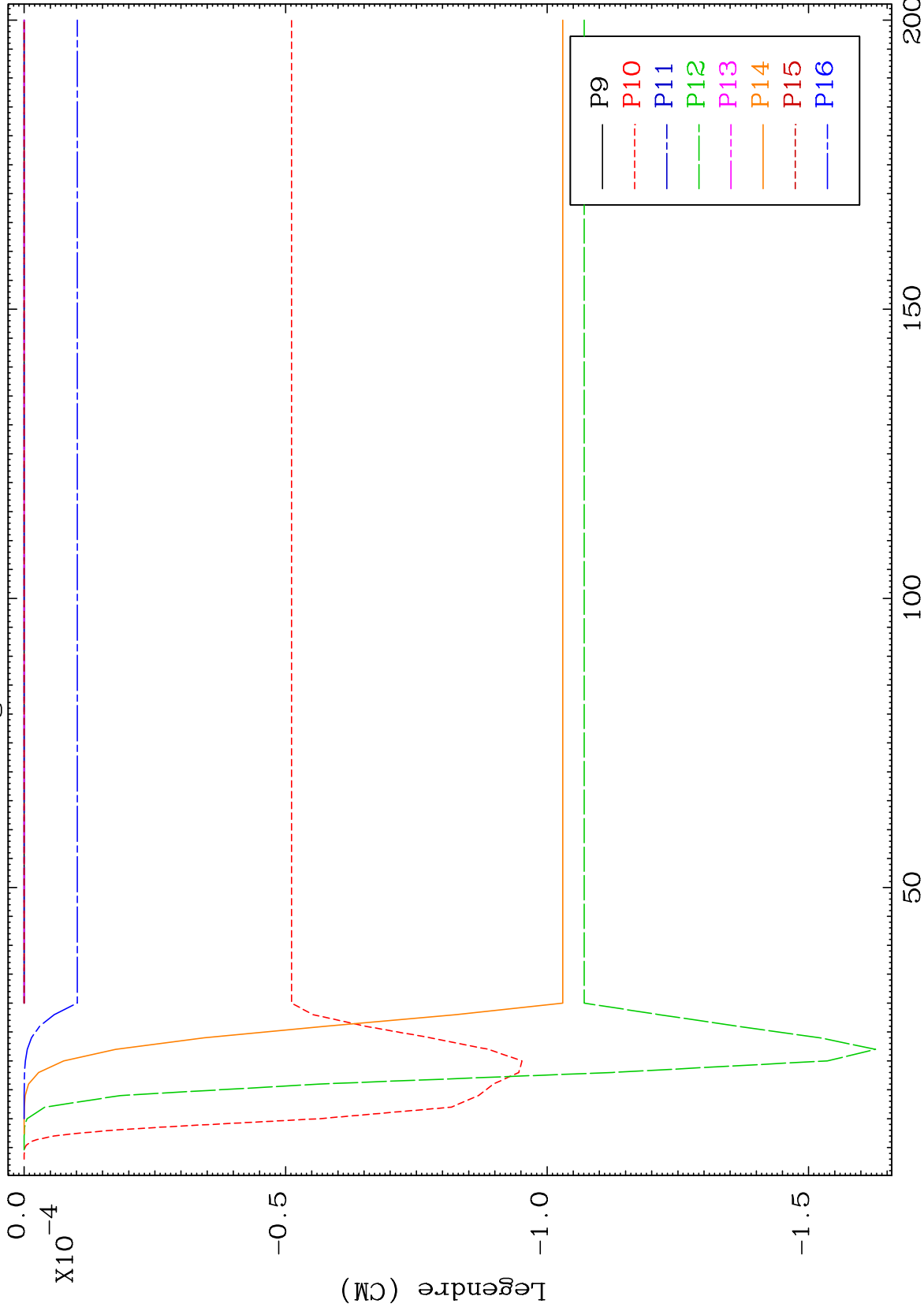
29-Cu-65

MAT 2931 MT= 65 (n,n') Level Legendre Coefficients 29-Cu-65

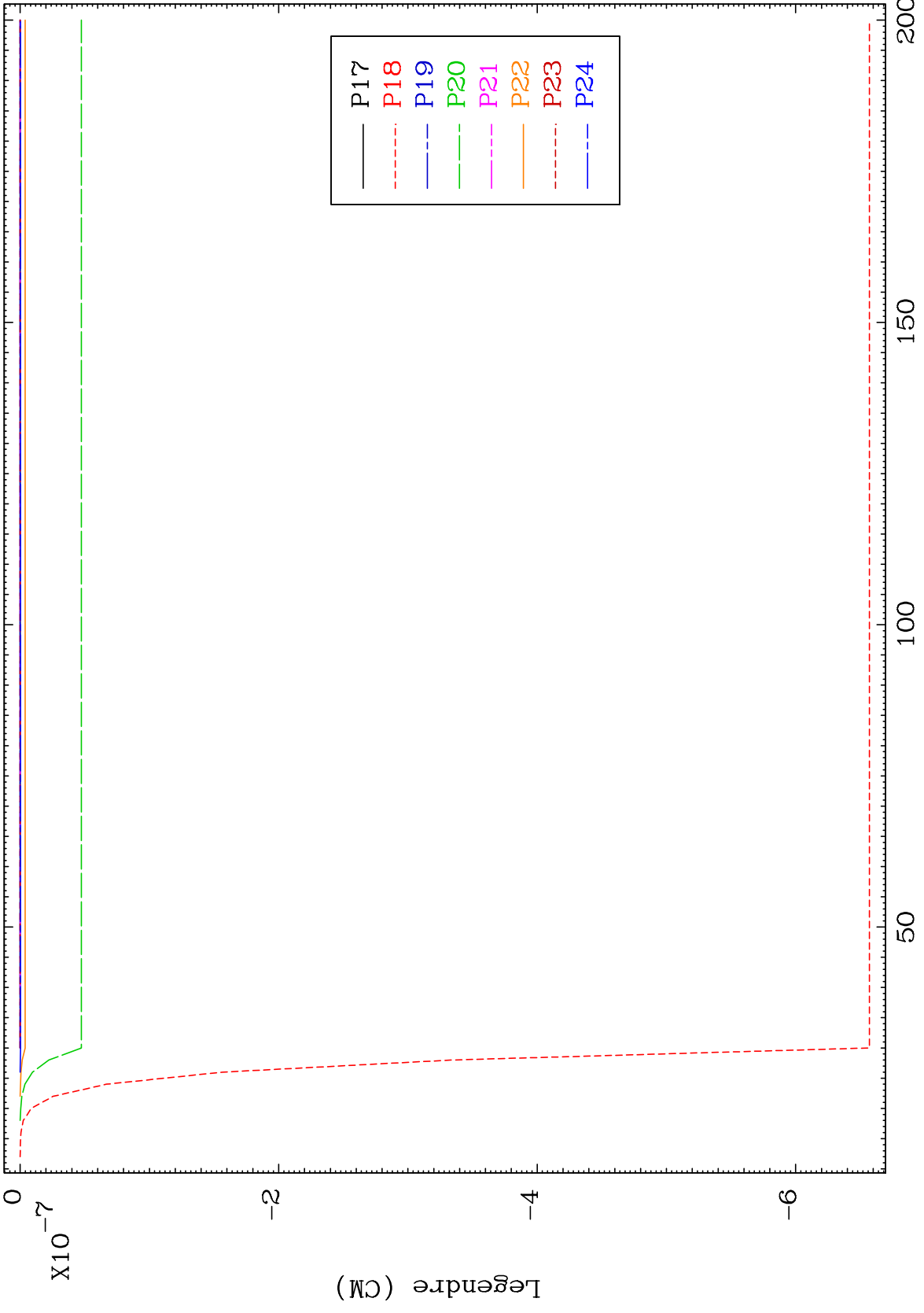


58 Incident Energy (MeV) 29-Cu-65

MAT 2931 MT= 65 (n,n') Level Legendre Coefficients 29-Cu-65

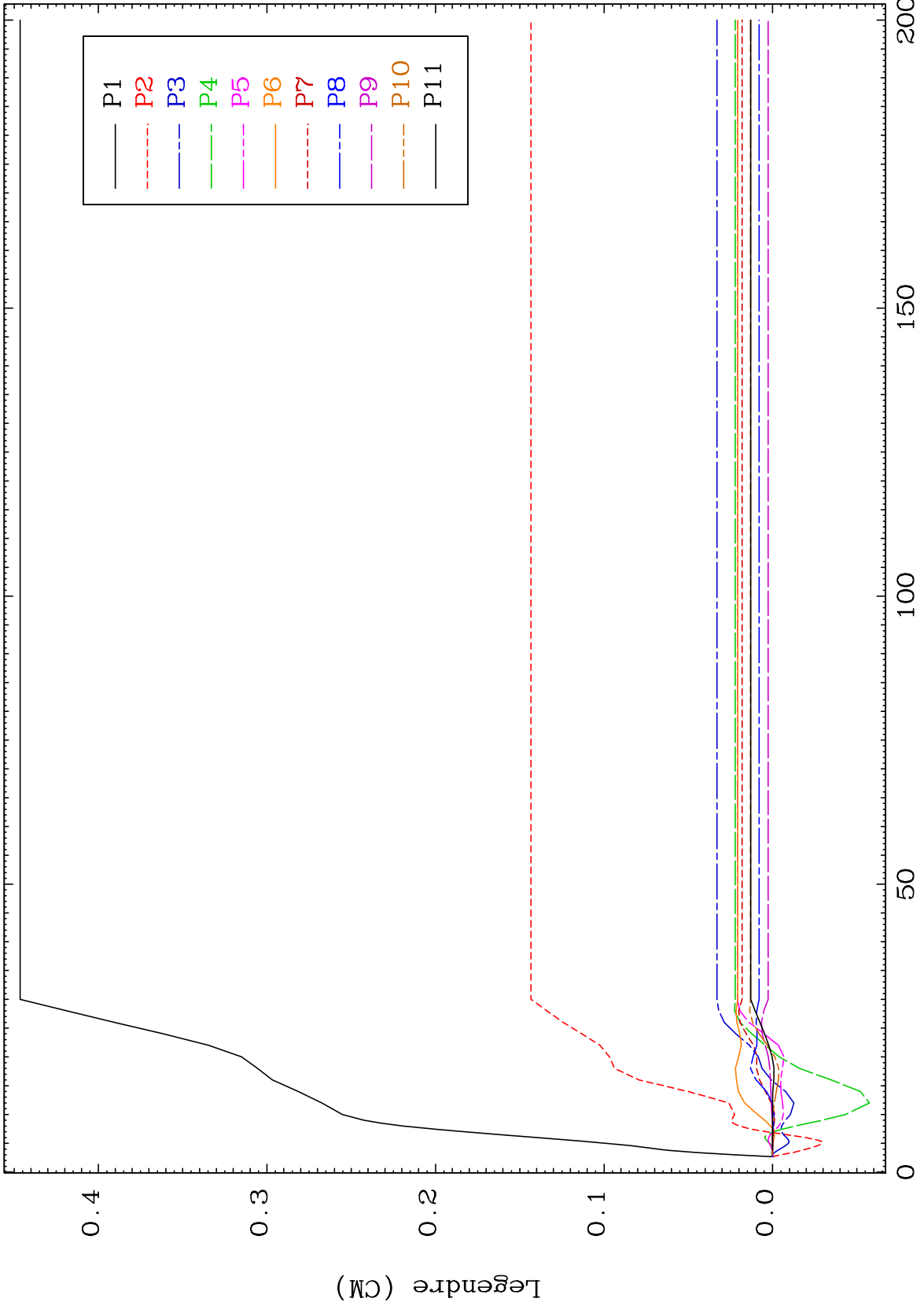


MAT 2931 MT= 65 (n,n') Level Legendre Coefficients 29-Cu-65



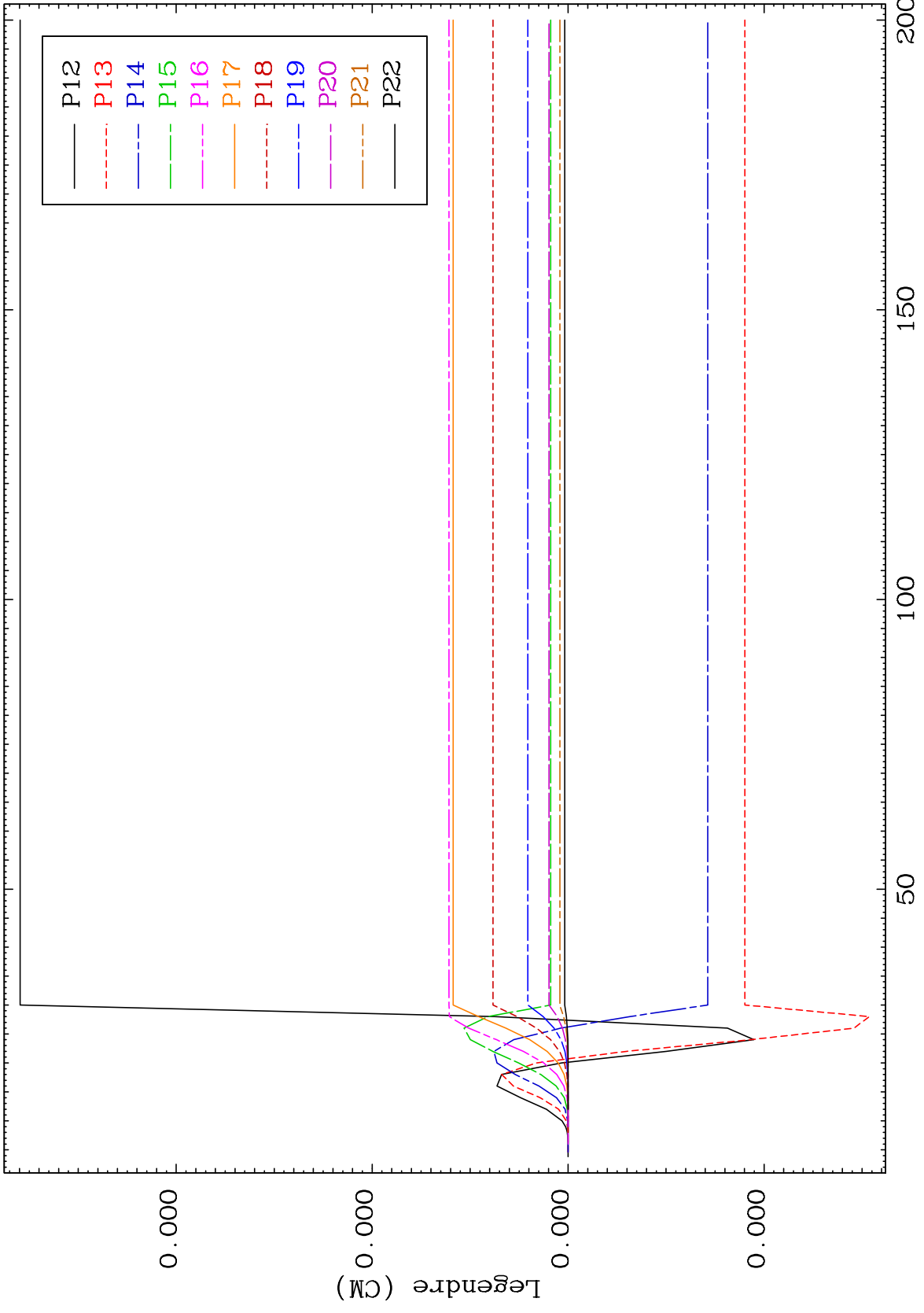
60 Incident Energy (MeV) 200

MAT 2931 MT= 66 (n,n') Level Legendre Coefficients 29-Cu-65



61 29-Cu-65

MAT 2931 MT= 66 (n,n') Level Legendre Coefficients 29-Cu-65

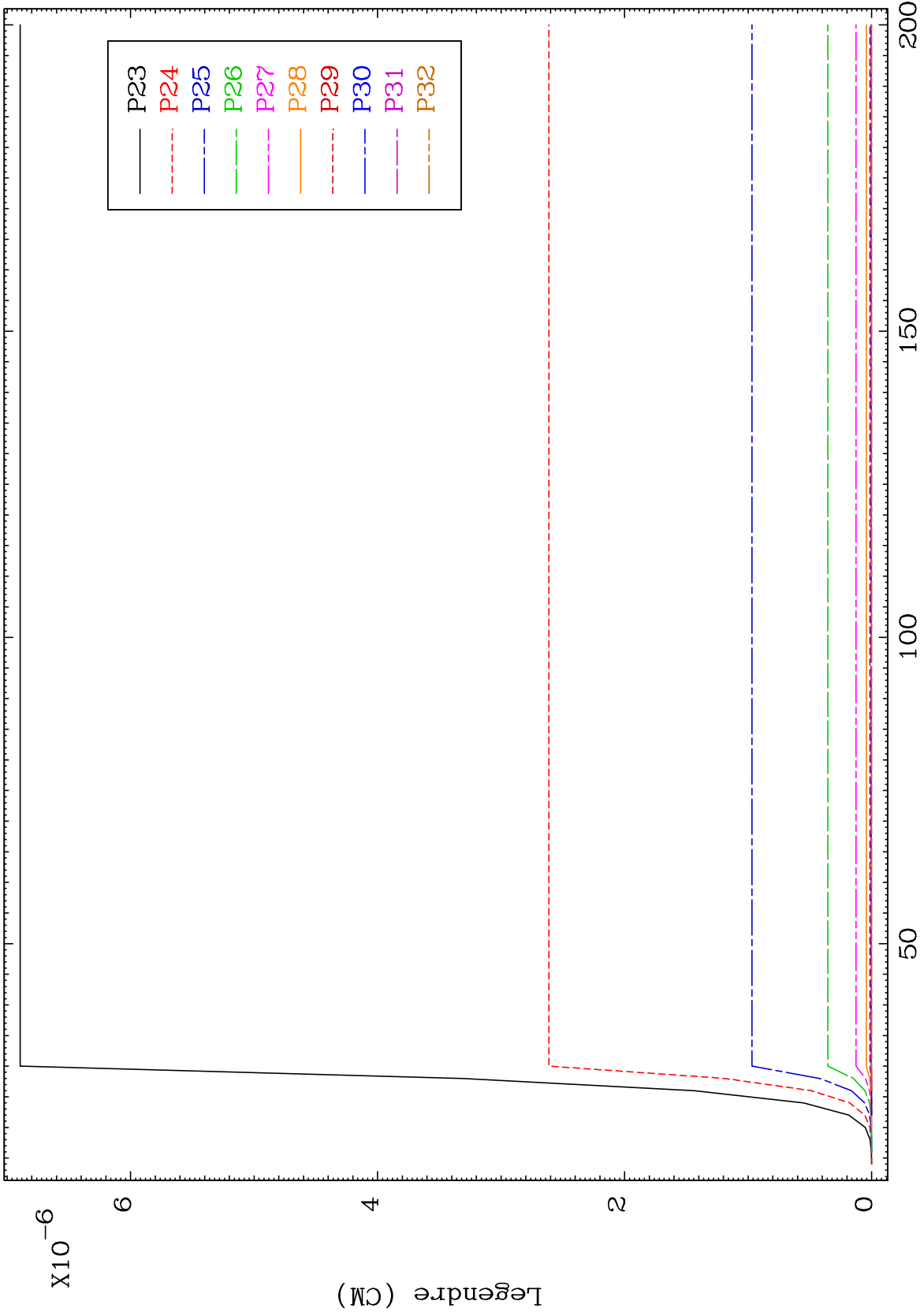


62 29-Cu-65

MAT 2931

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

29-Cu-65



63

Incident Energy (MeV)

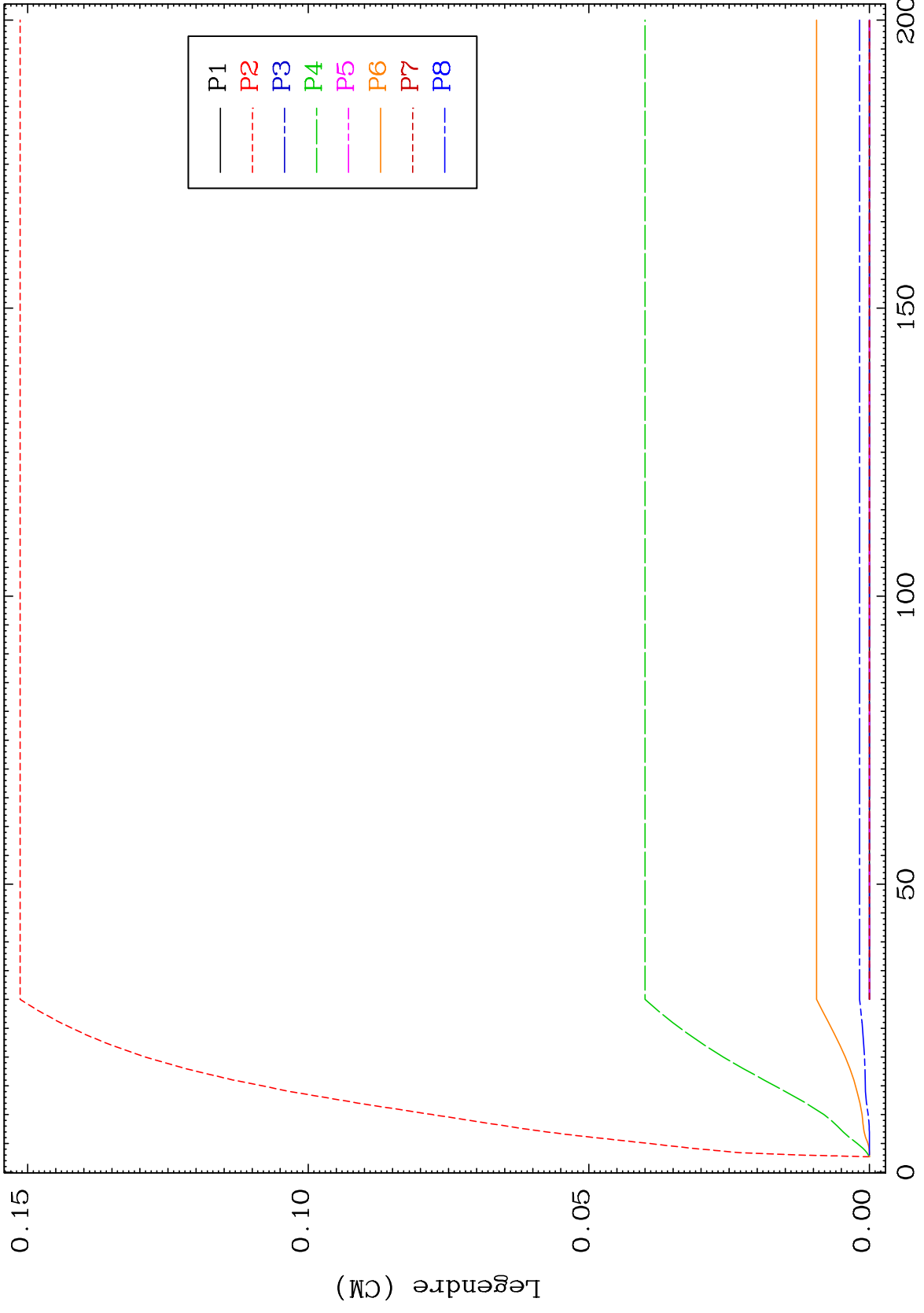
29-Cu-65



MAT 2931 MT= 67 (n,n') Level Legendre Coefficients

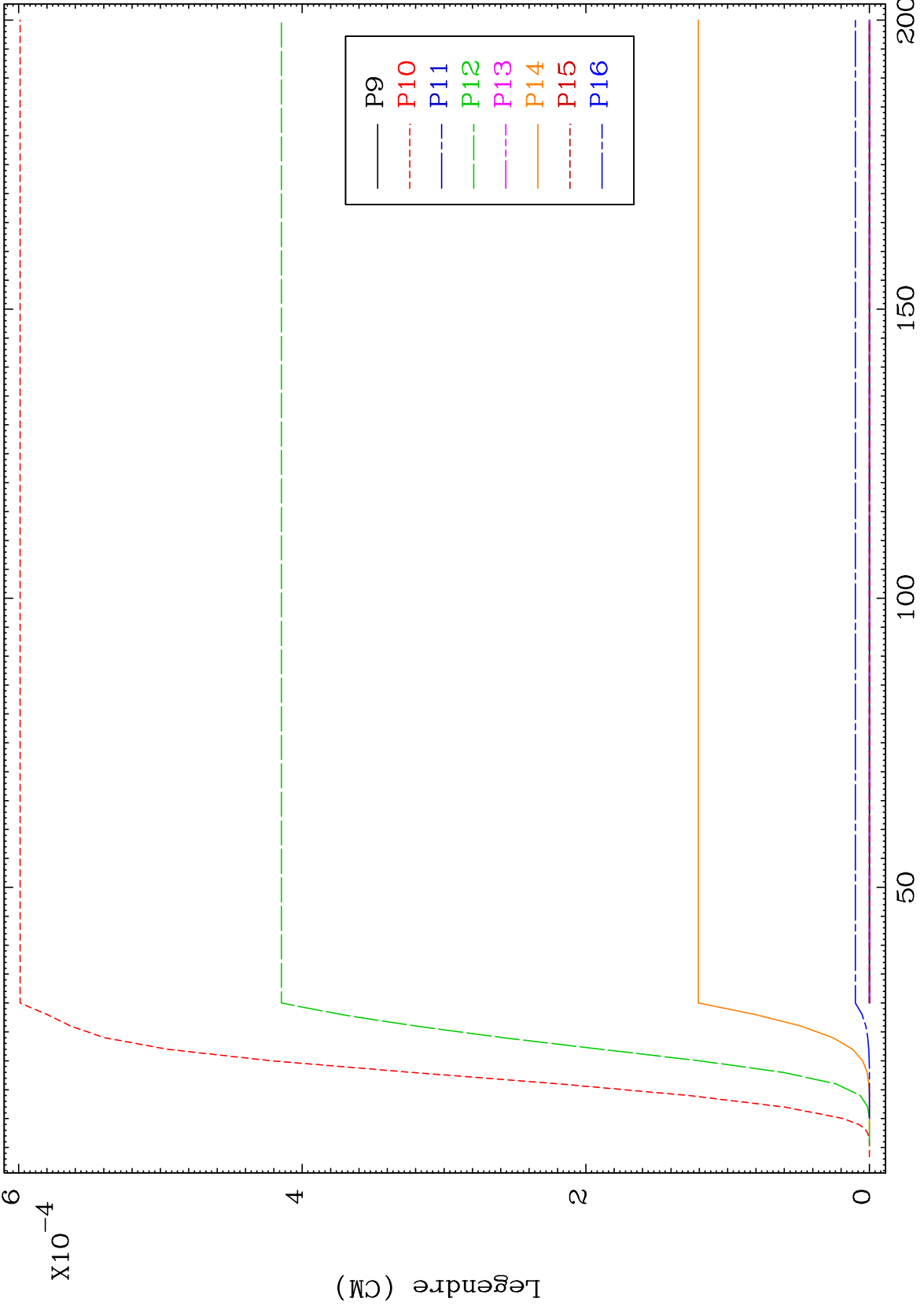
29-Cu-65

29-Cu-65



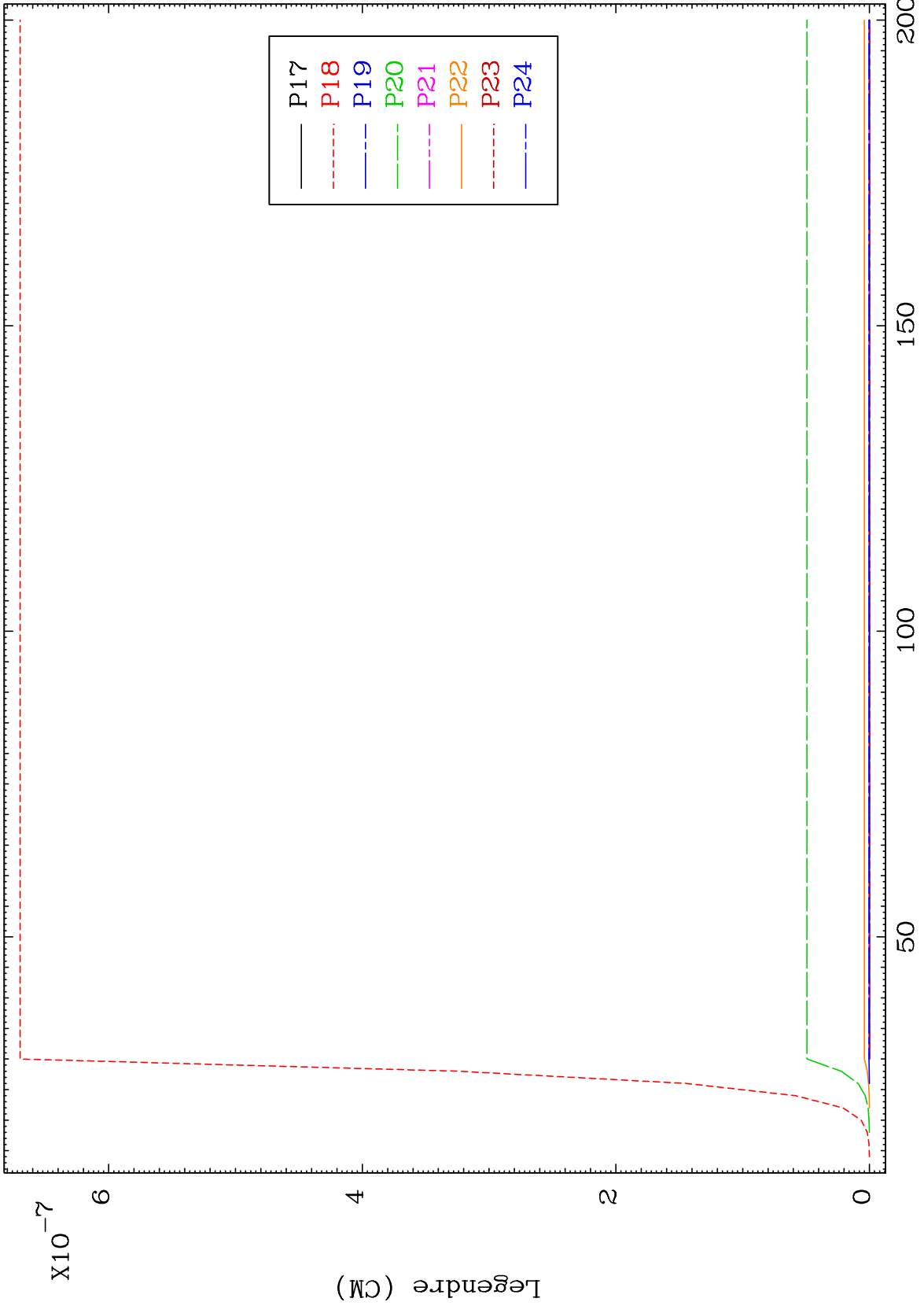
64

MAT 2931 MT= 67 (n,n') Level Legendre Coefficients 29-Cu-65



65 Incident Energy (MeV) 200 29-Cu-65

MAT 2931 MT= 67 (n,n') Level Legendre Coefficients 29-Cu-65

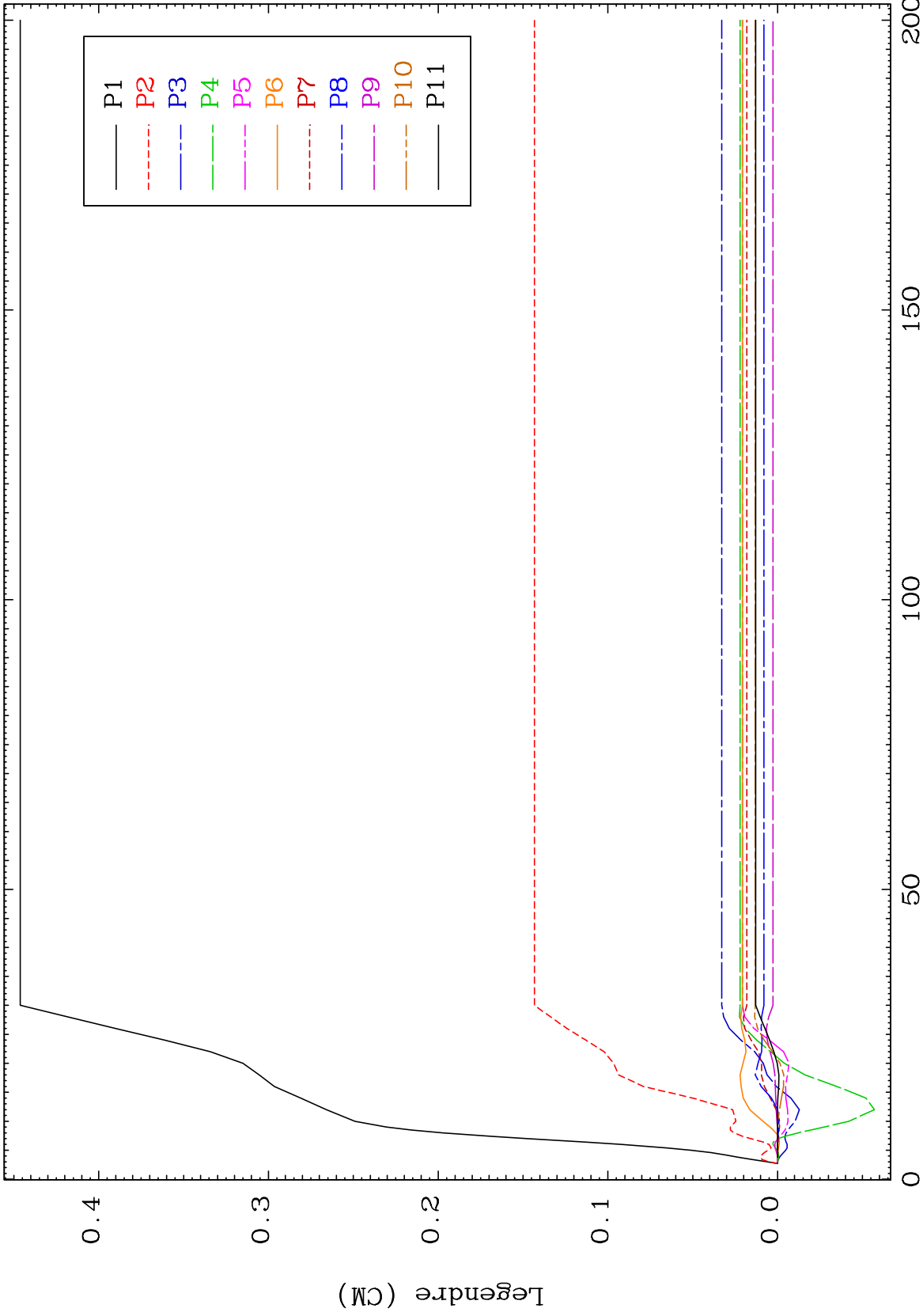


66 29-Cu-65

MAT 2931

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

29-Cu-65

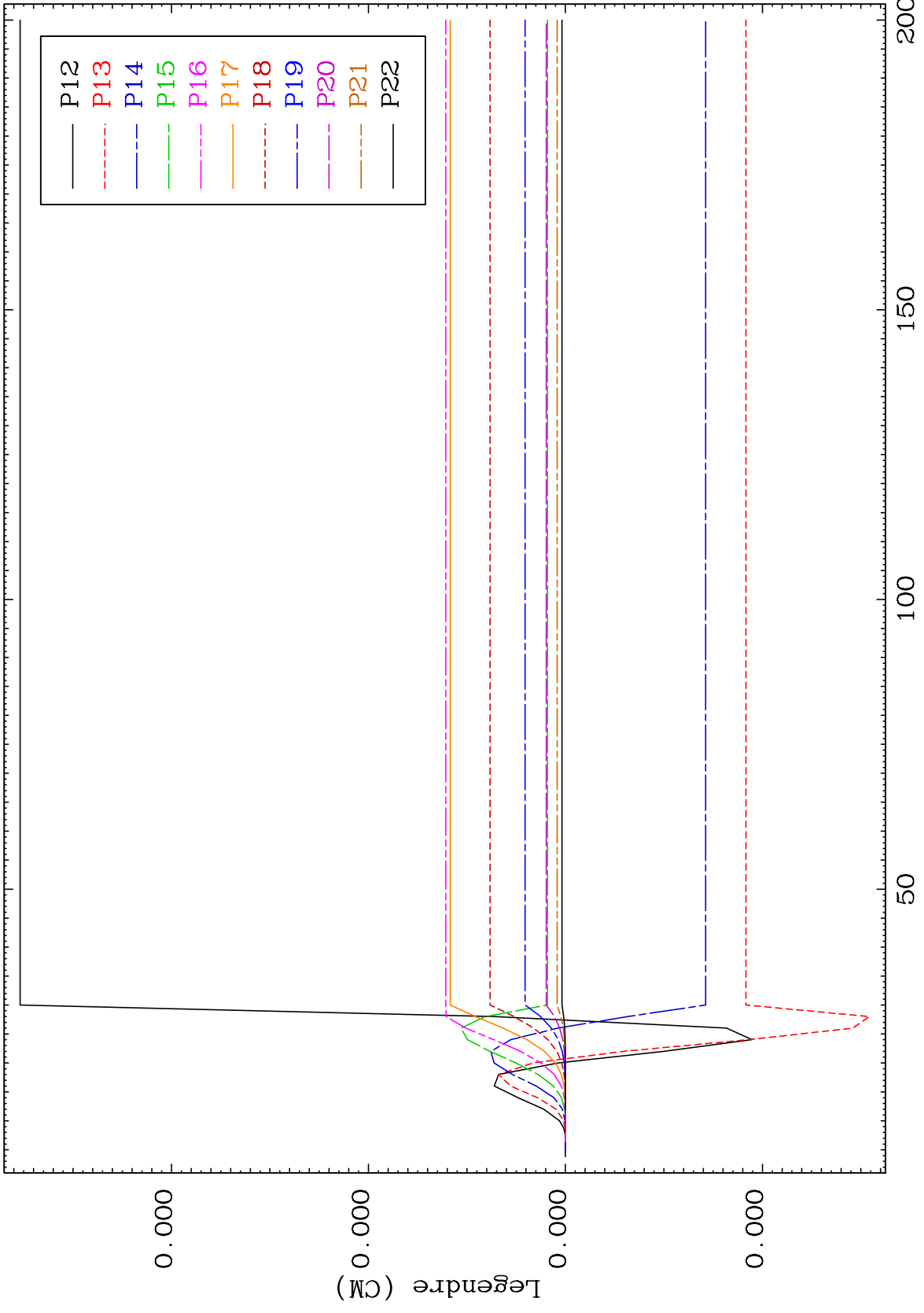


67

Incident Energy (MeV)

29-Cu-65

MAT 2931 MT= 68 (n,n') Level Legendre Coefficients 29-Cu-65

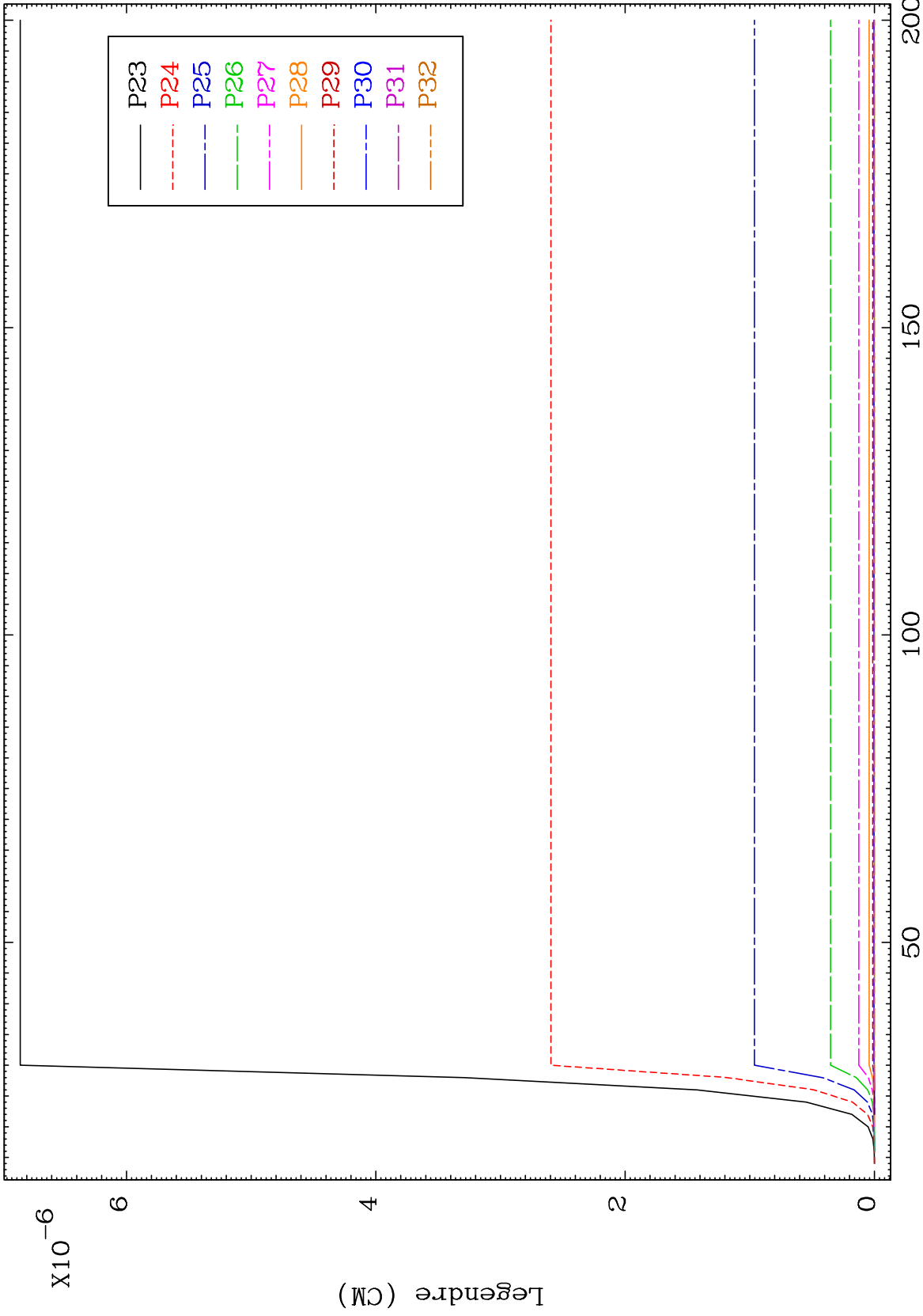


68 29-Cu-65

MAT 2931

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

29-Cu-65



69

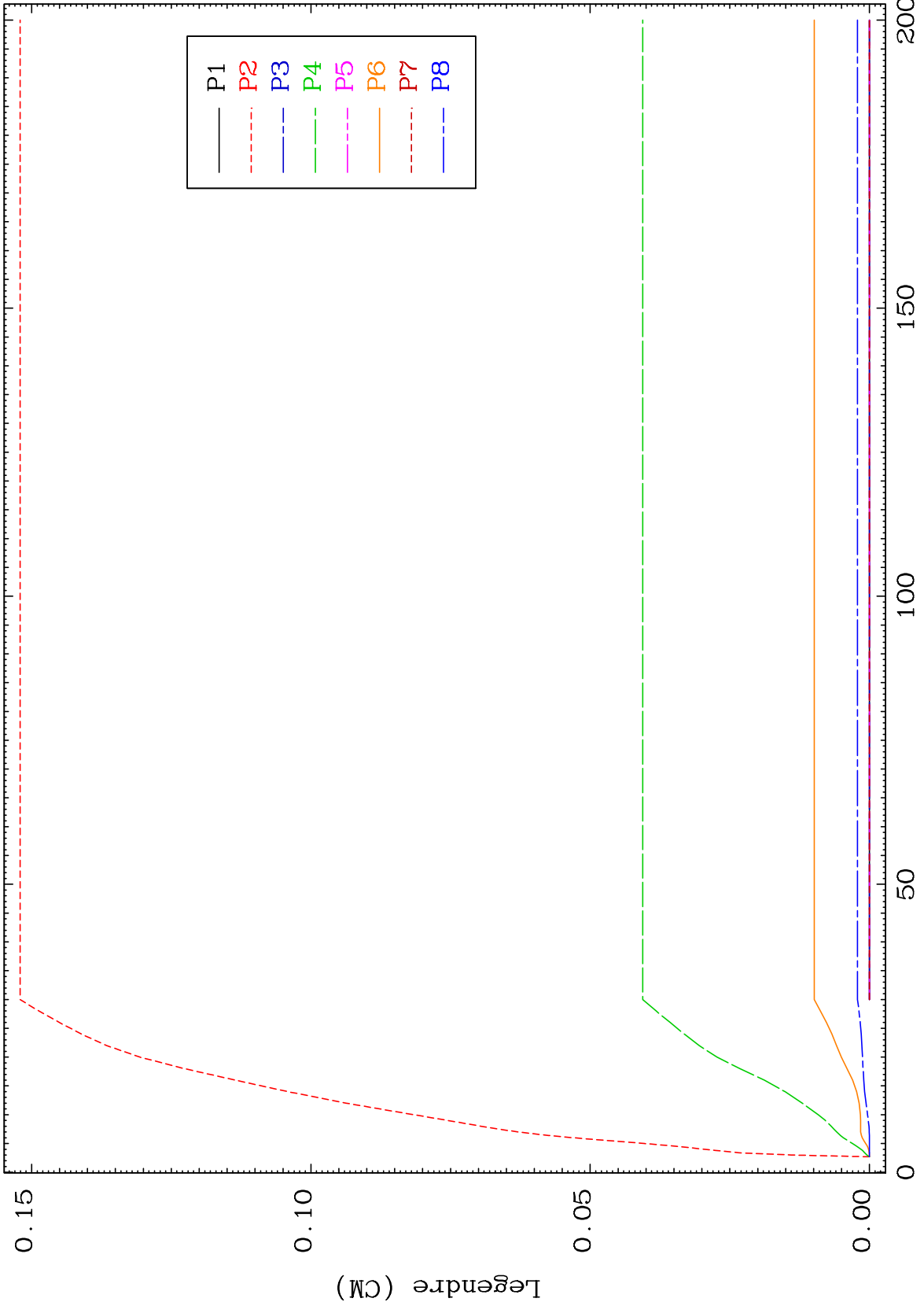
Incident Energy (MeV)

29-Cu-65

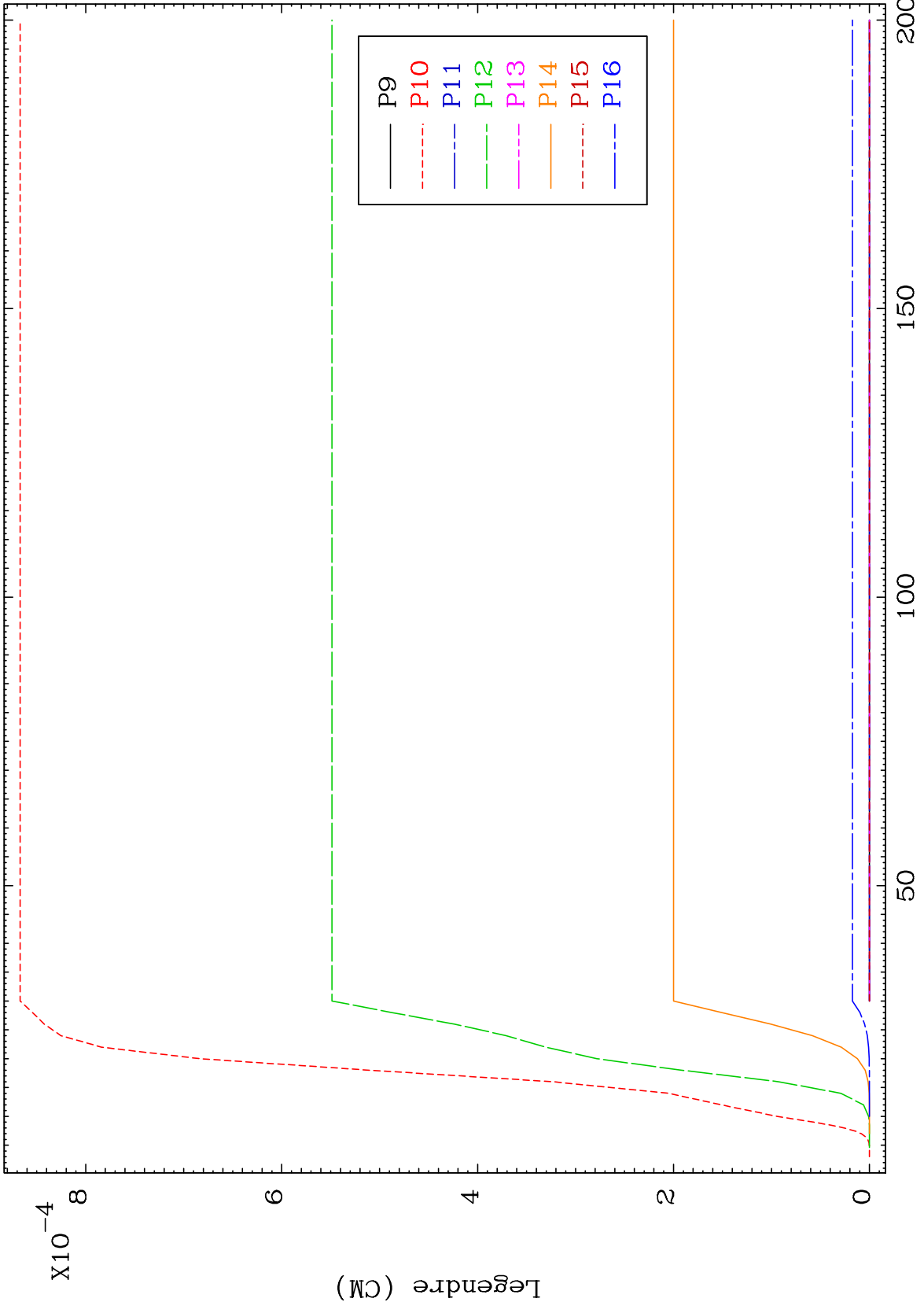
MAT 2931 MT= 69 (n,n') Level Legendre Coefficients

29-Cu-65

29-Cu-65

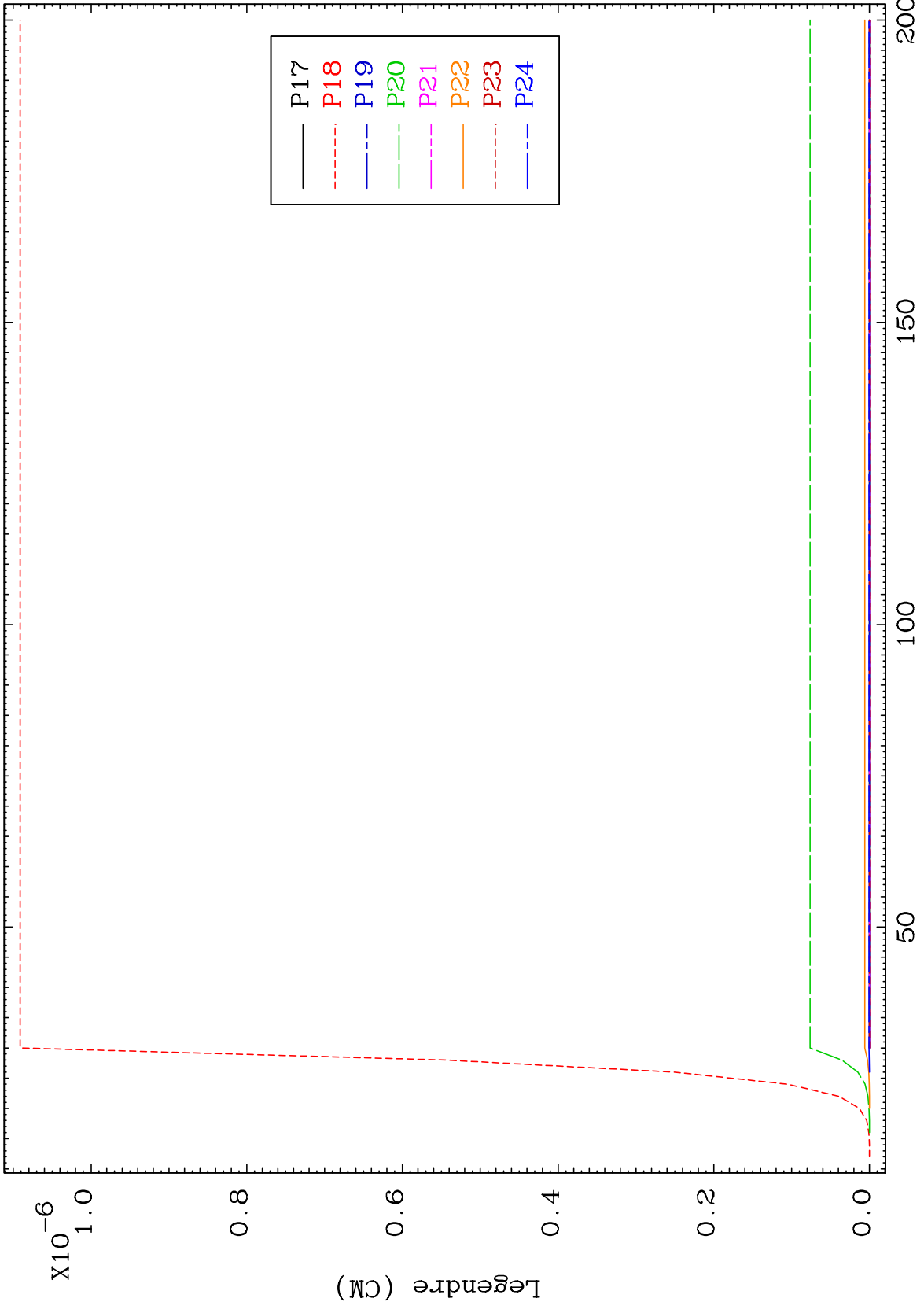


MAT 2931 MT= 69 (n,n') Level Legendre Coefficients 29-Cu-65



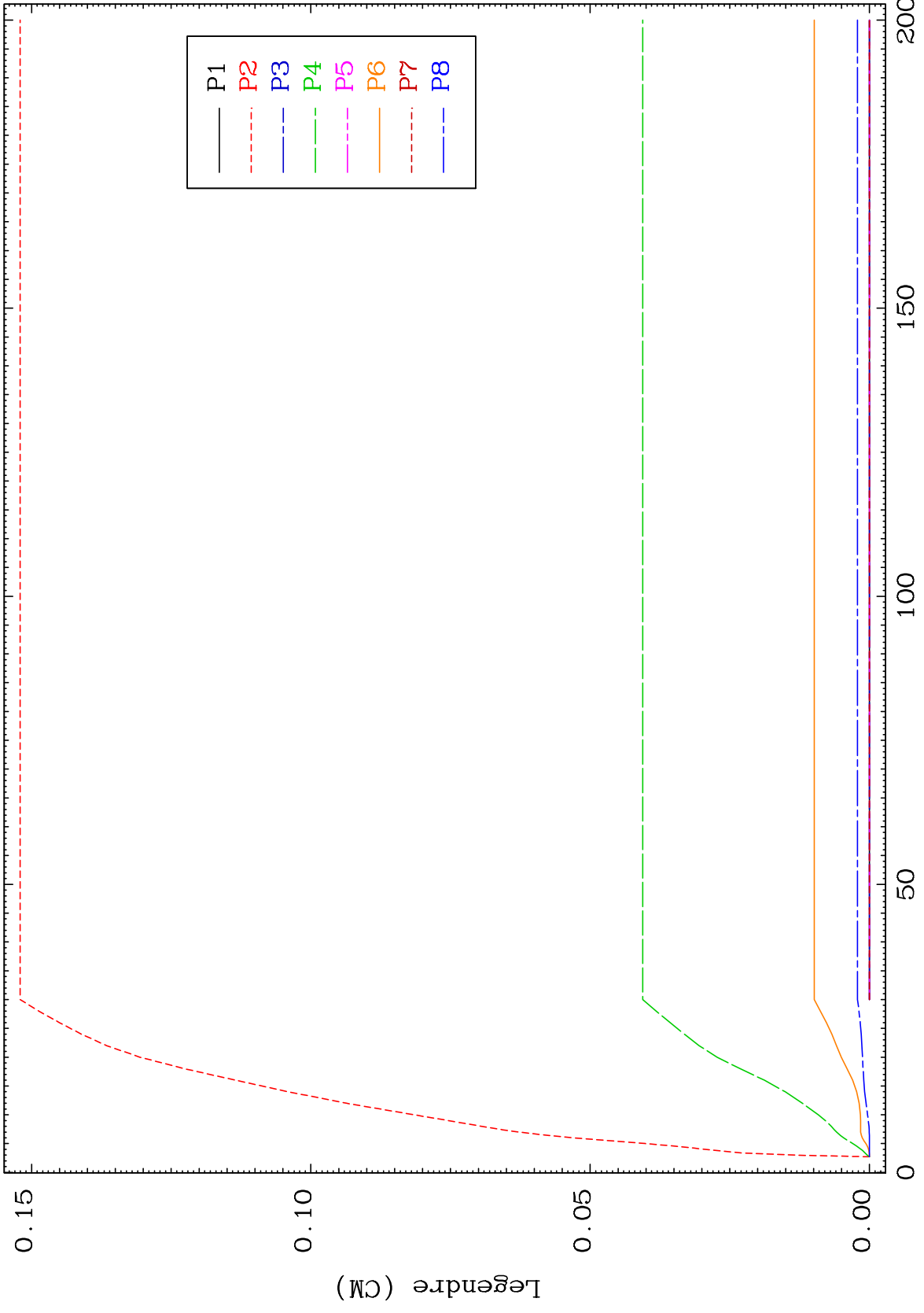


MAT 2931 MT= 69 (n,n') Level Legendre Coefficients 29-Cu-65



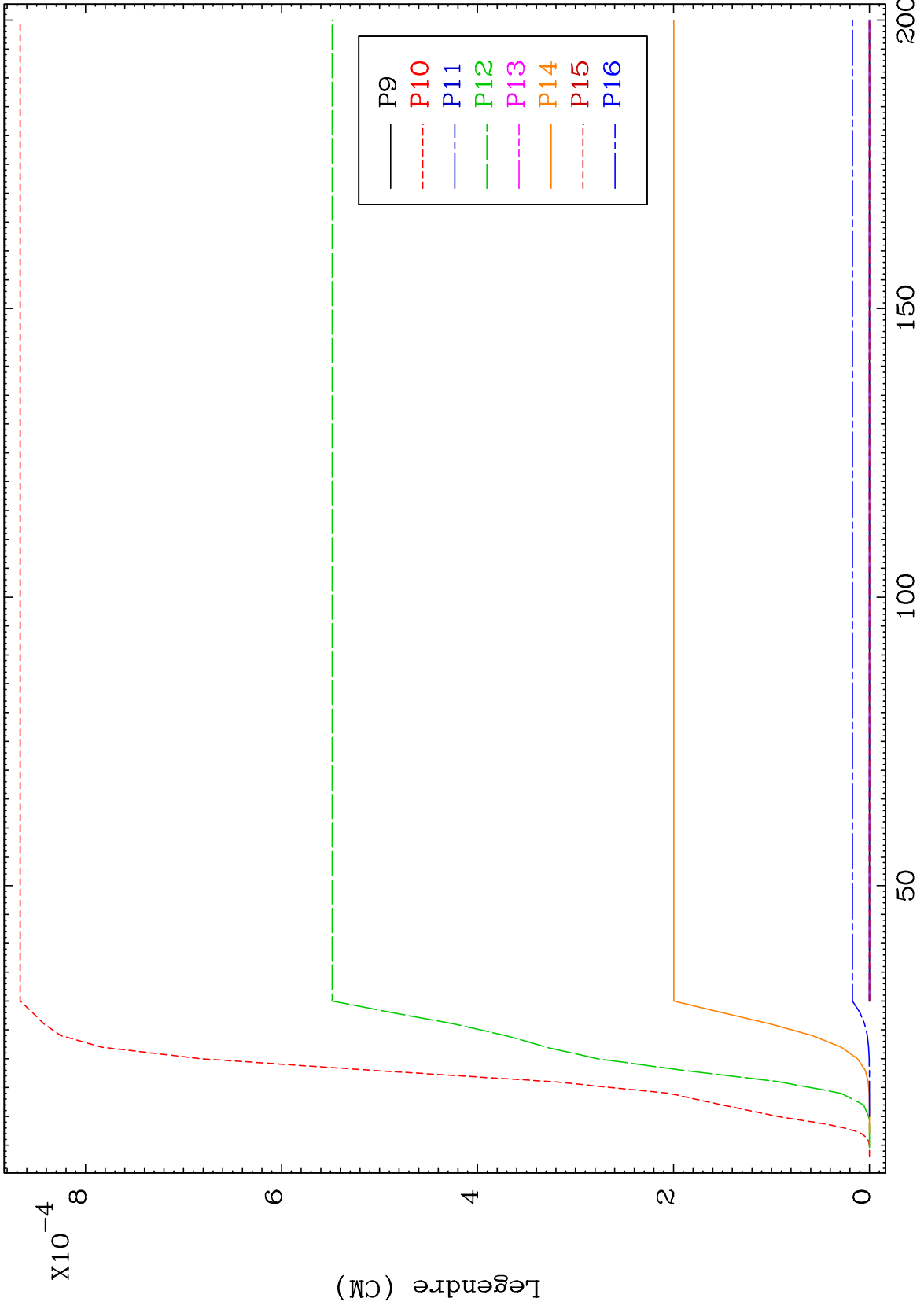
72 Incident Energy (MeV) 200 29-Cu-65

MAT 2931 MT= 70 (n,n') Level Legendre Coefficients 29-Cu-65



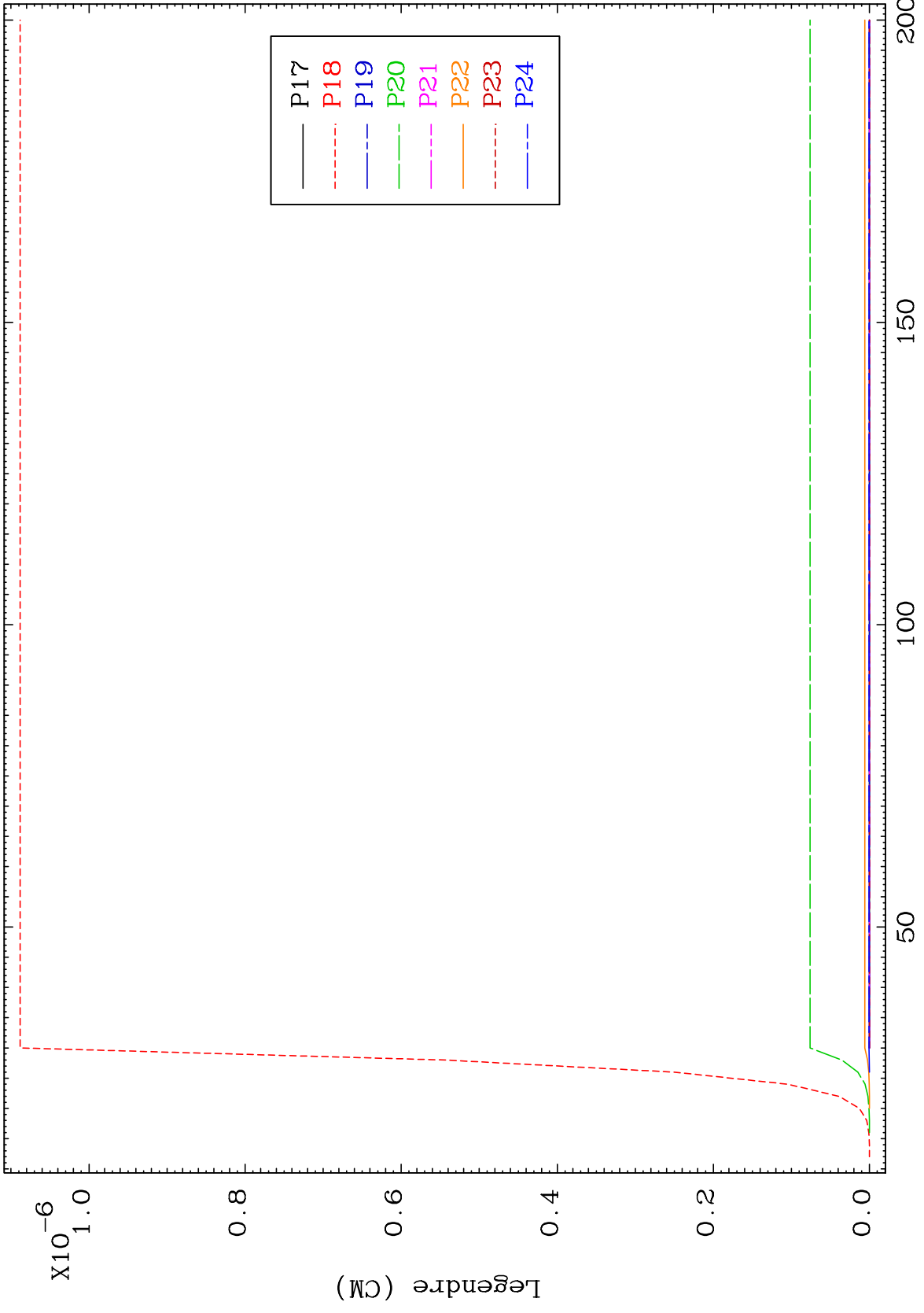
73 29-Cu-65

MAT 2931 MT= 70 (n,n') Level Legendre Coefficients 29-Cu-65



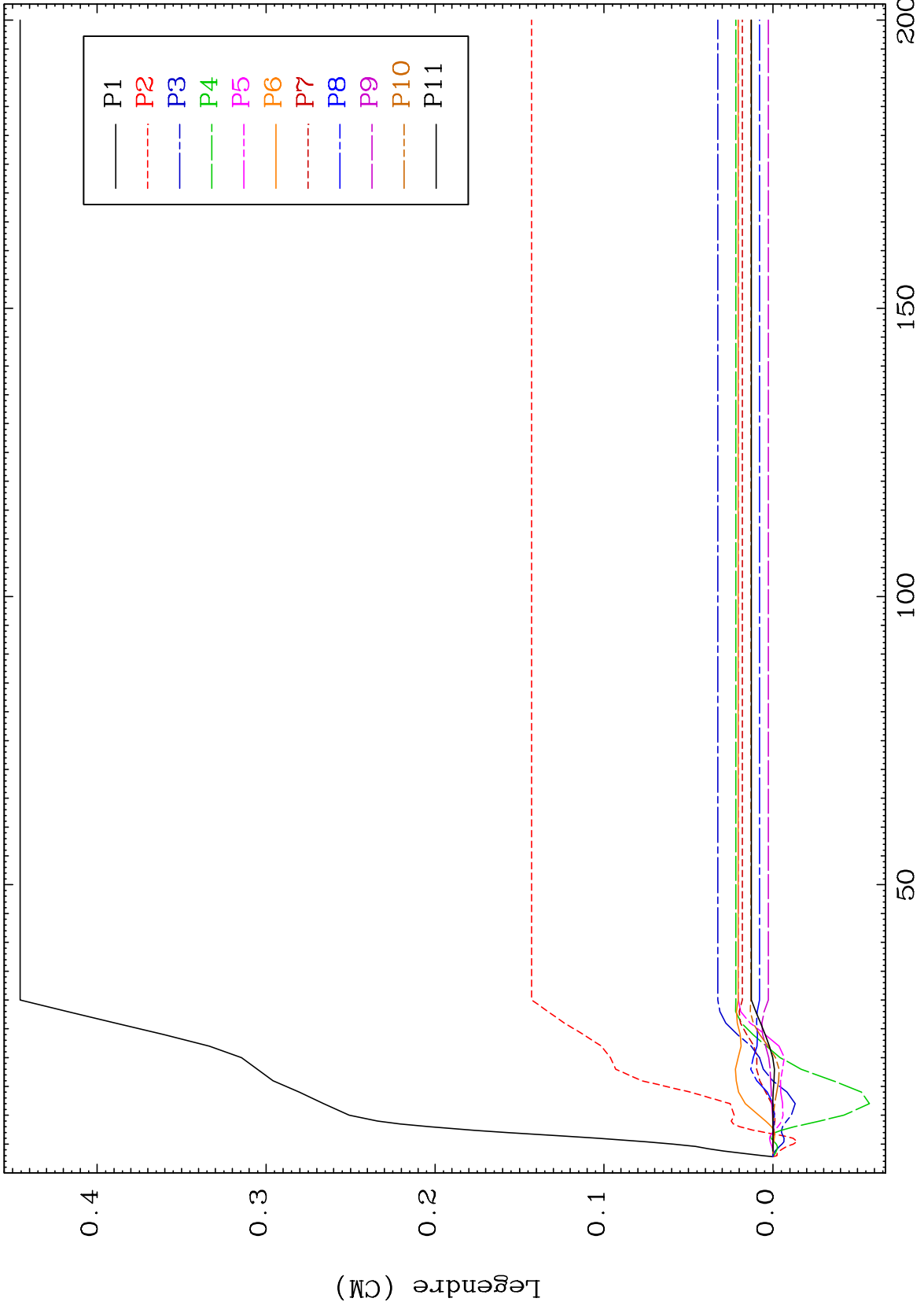
74 Incident Energy (MeV) 200 29-Cu-65

MAT 2931 MT= 70 (n,n') Level Legendre Coefficients 29-Cu-65



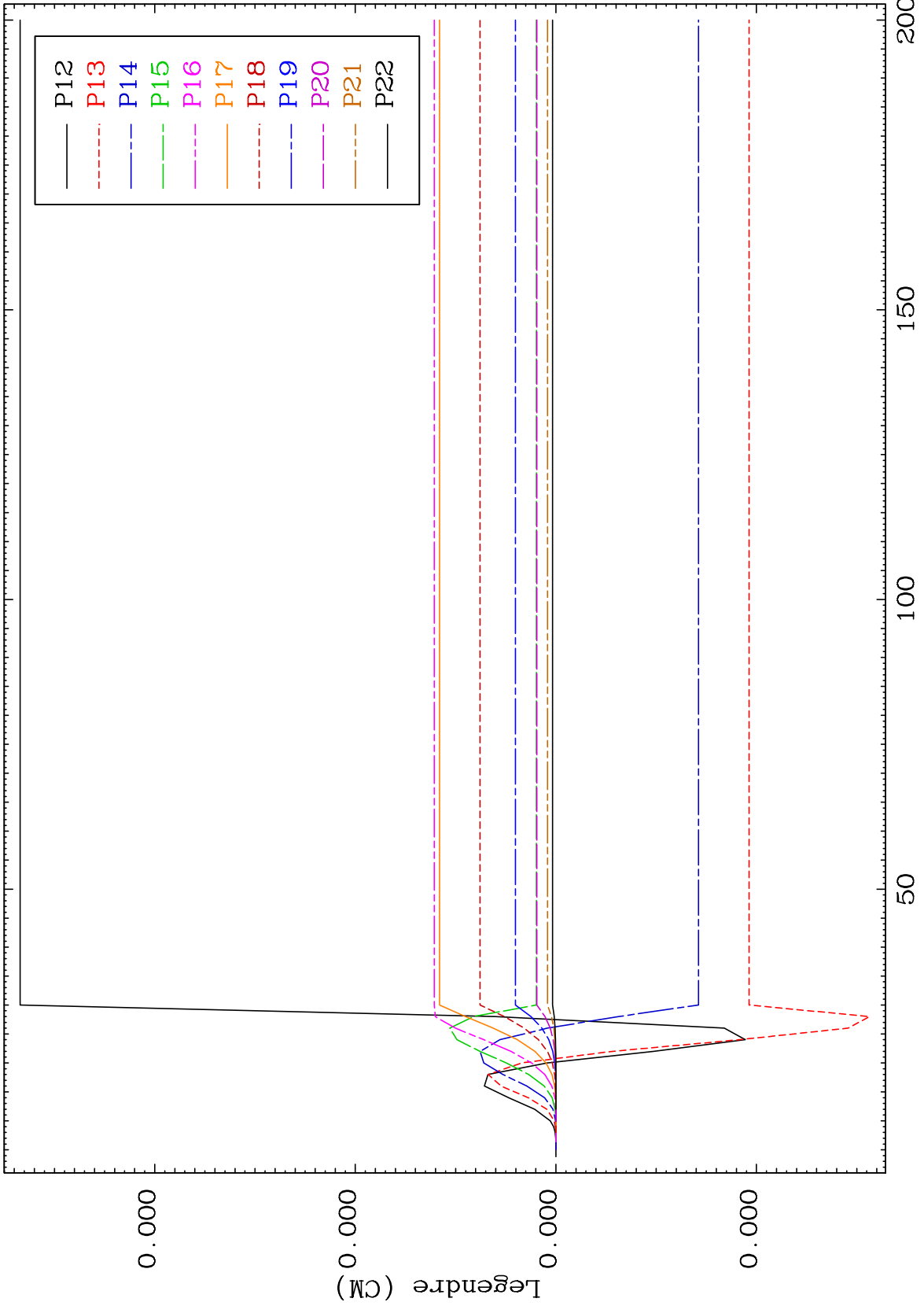
75 Incident Energy (MeV) 200 29-Cu-65

MAT 2931 MT= 71 (n,n') Level Legendre Coefficients 29-Cu-65



76 Incident Energy (MeV) 29-Cu-65

MAT 2931 MT= 71 (n,n') Level Legendre Coefficients 29-Cu-65

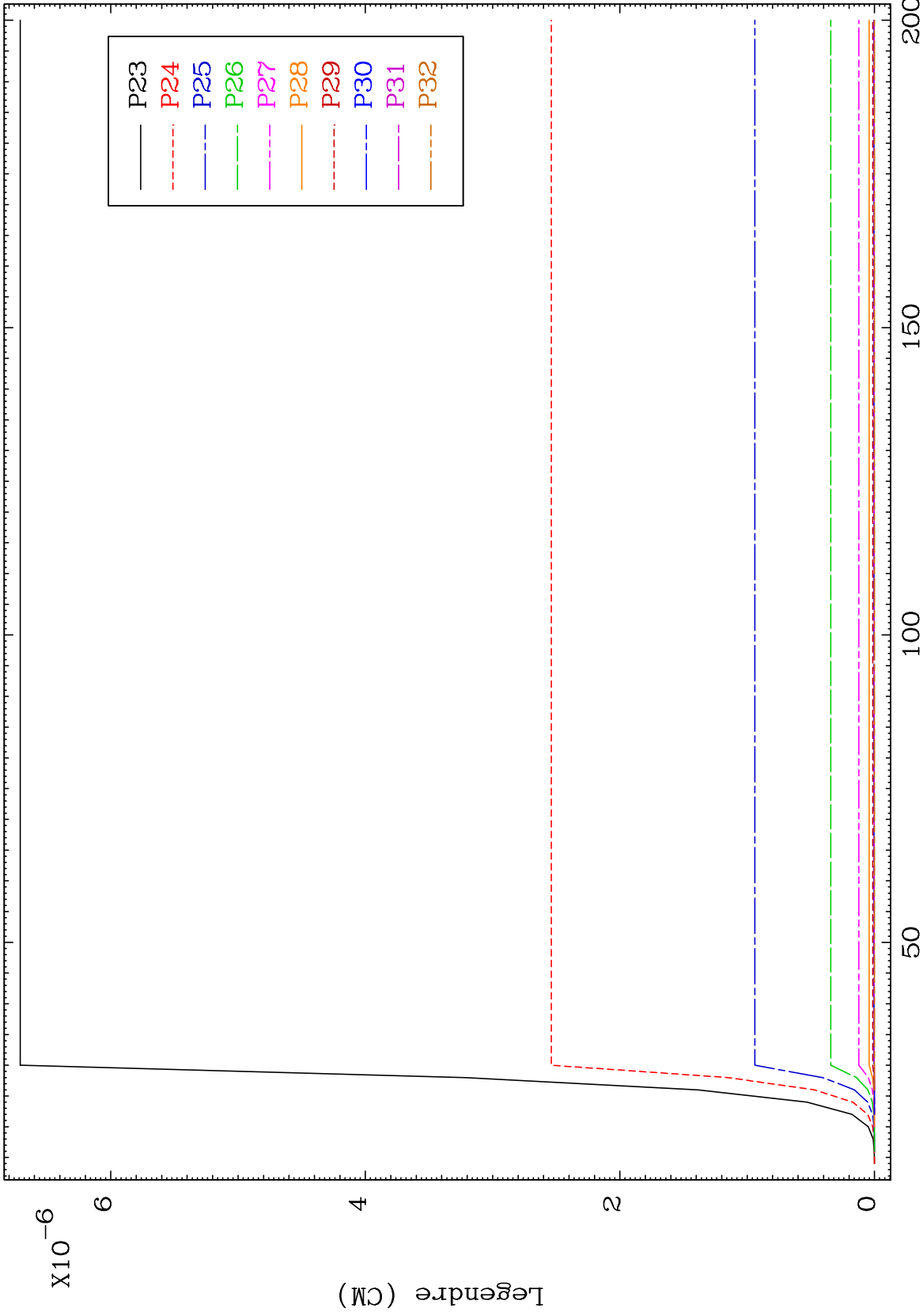


77 29-Cu-65

MAT 2931

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

29-Cu-65

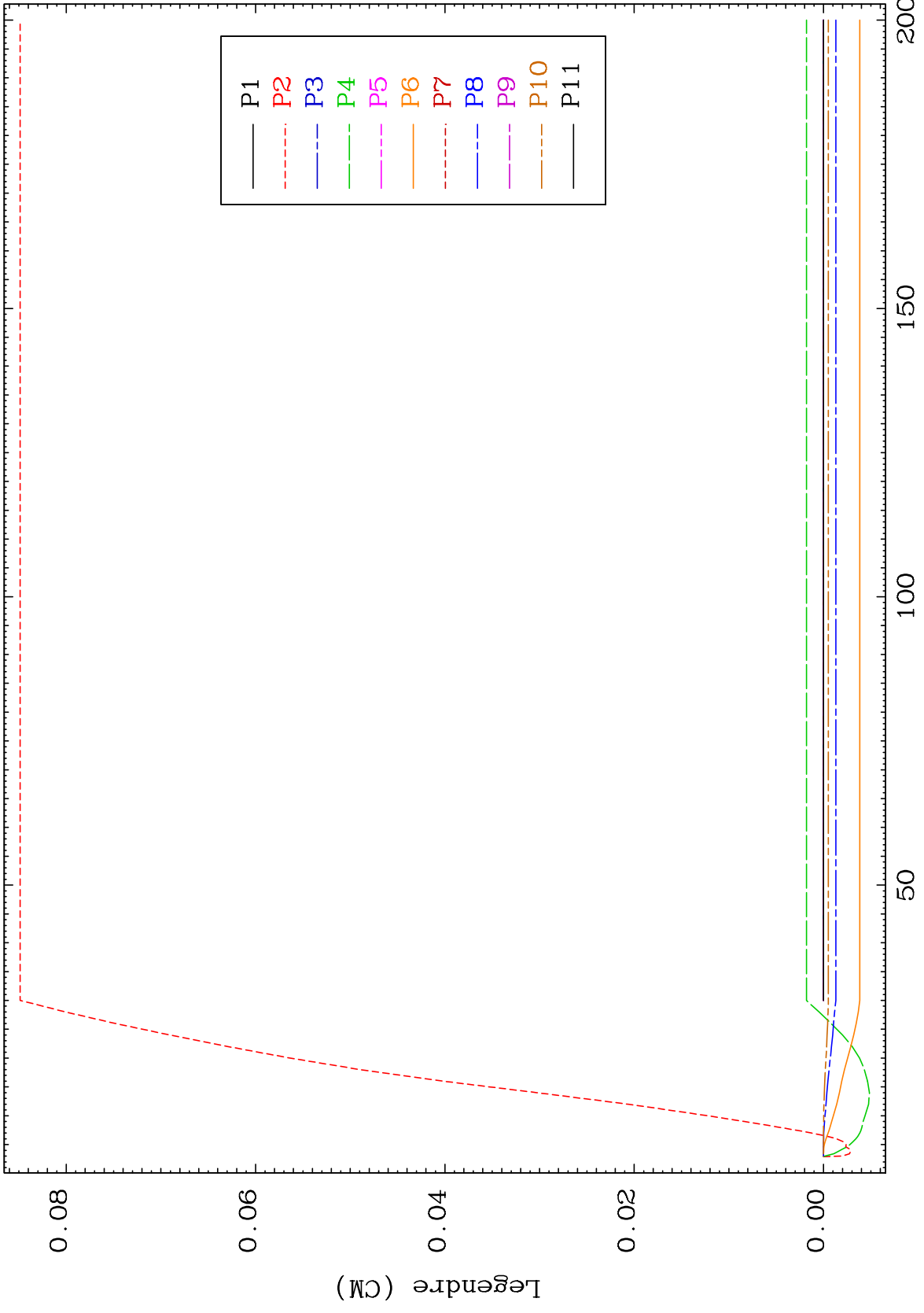


78

Incident Energy (MeV)

29-Cu-65

MAT 2931 MT= 72 (n,n') Level Legendre Coefficients 29-Cu-65



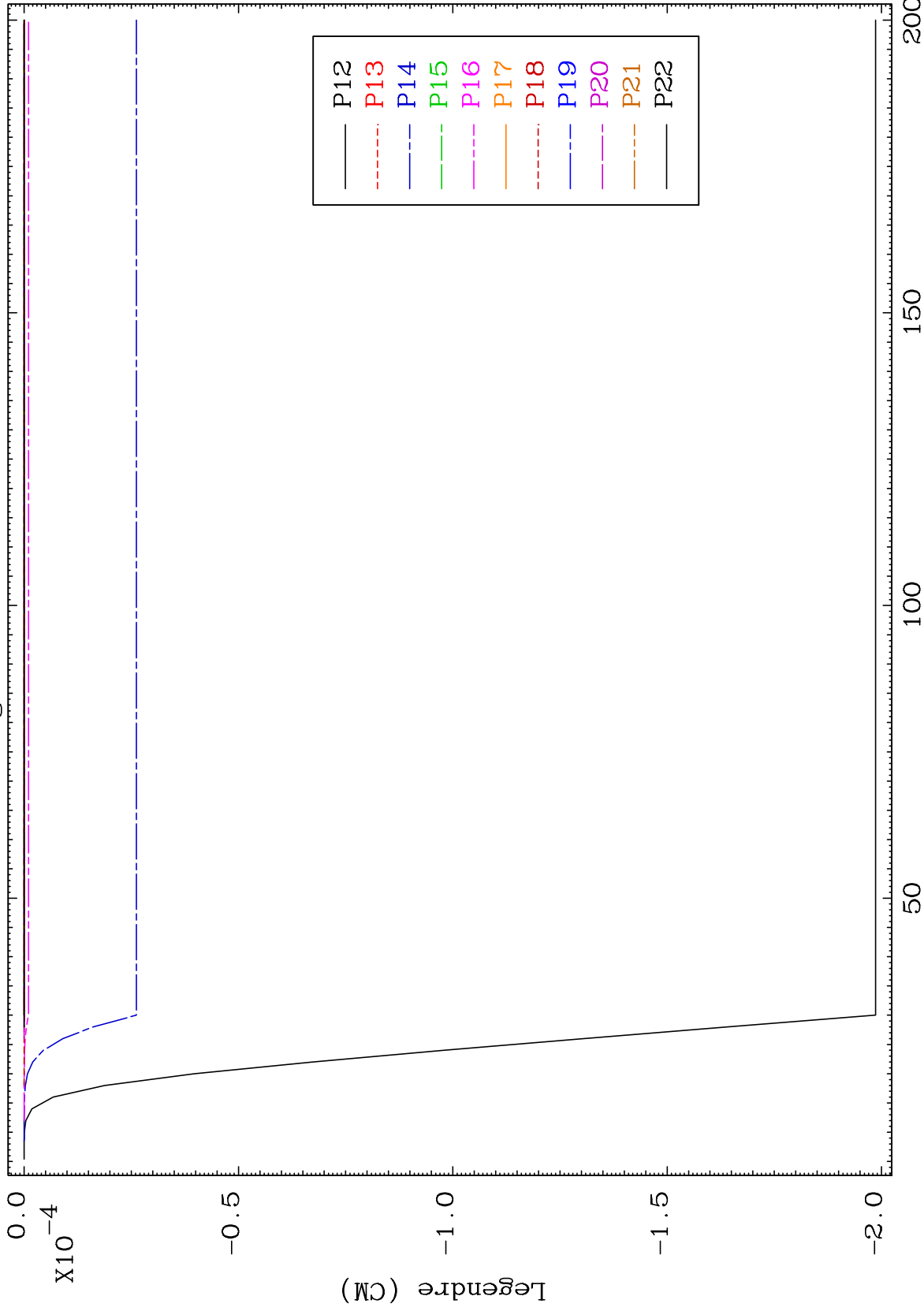
79 29-Cu-65



MAT 2931

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

29-Cu-65



80

Incident Energy (MeV)

50

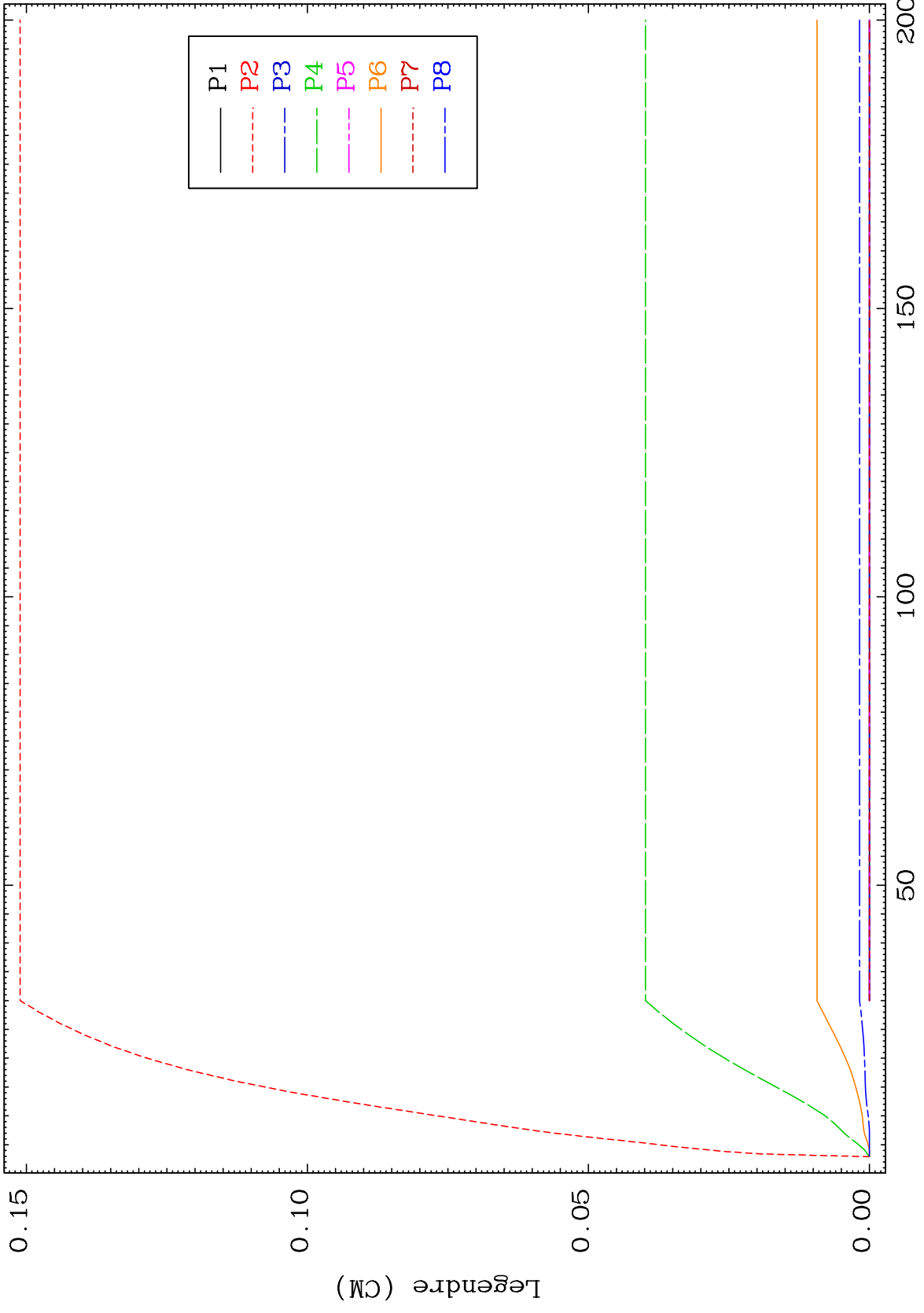
100

150

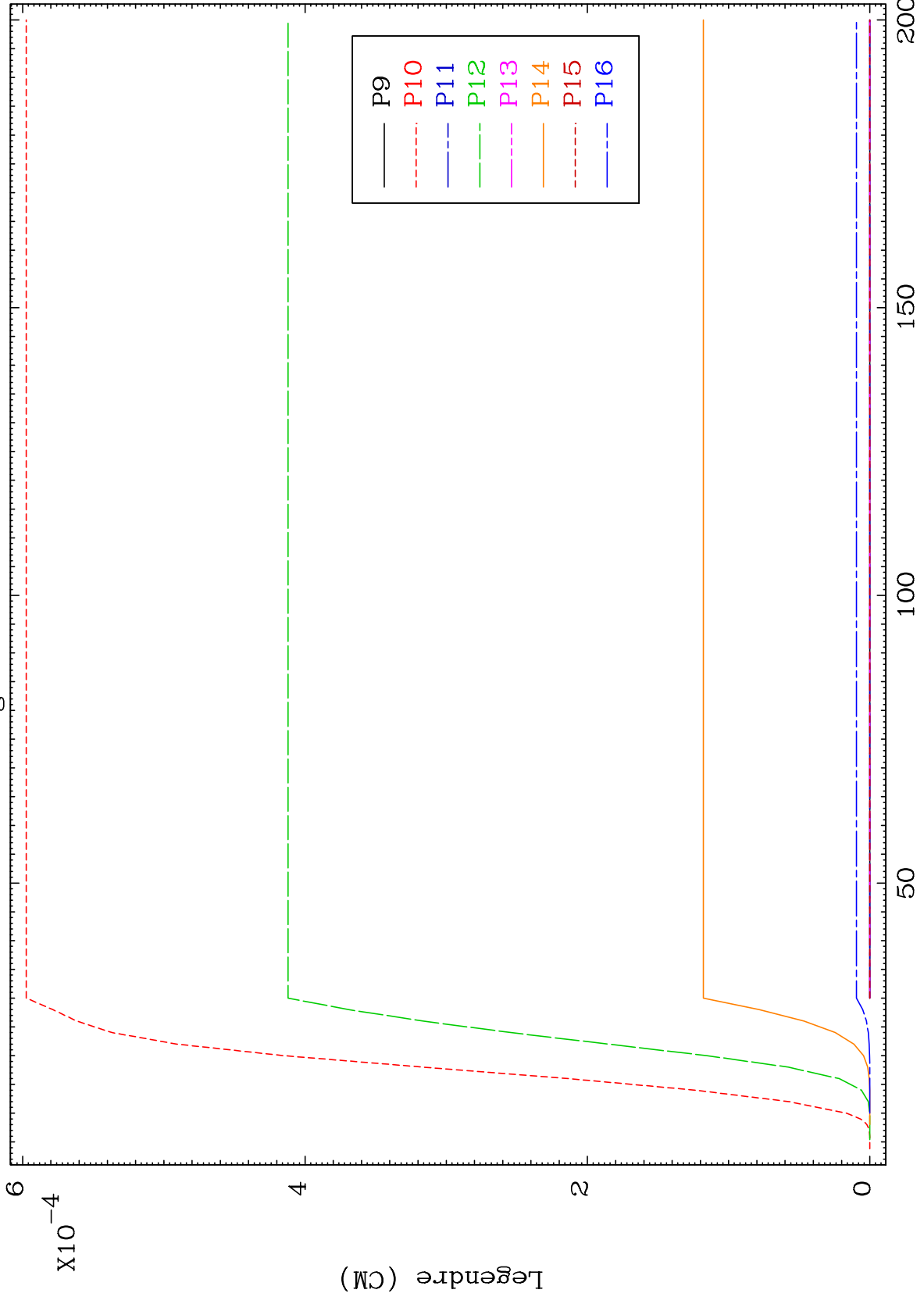
200

29-Cu-65

MAT 2931 MT= 73 (n,n') Level Legendre Coefficients 29-Cu-65



MAT 2931 MT= 73 (n,n') Level Legendre Coefficients 29-Cu-65



82

Incident Energy (MeV)

50

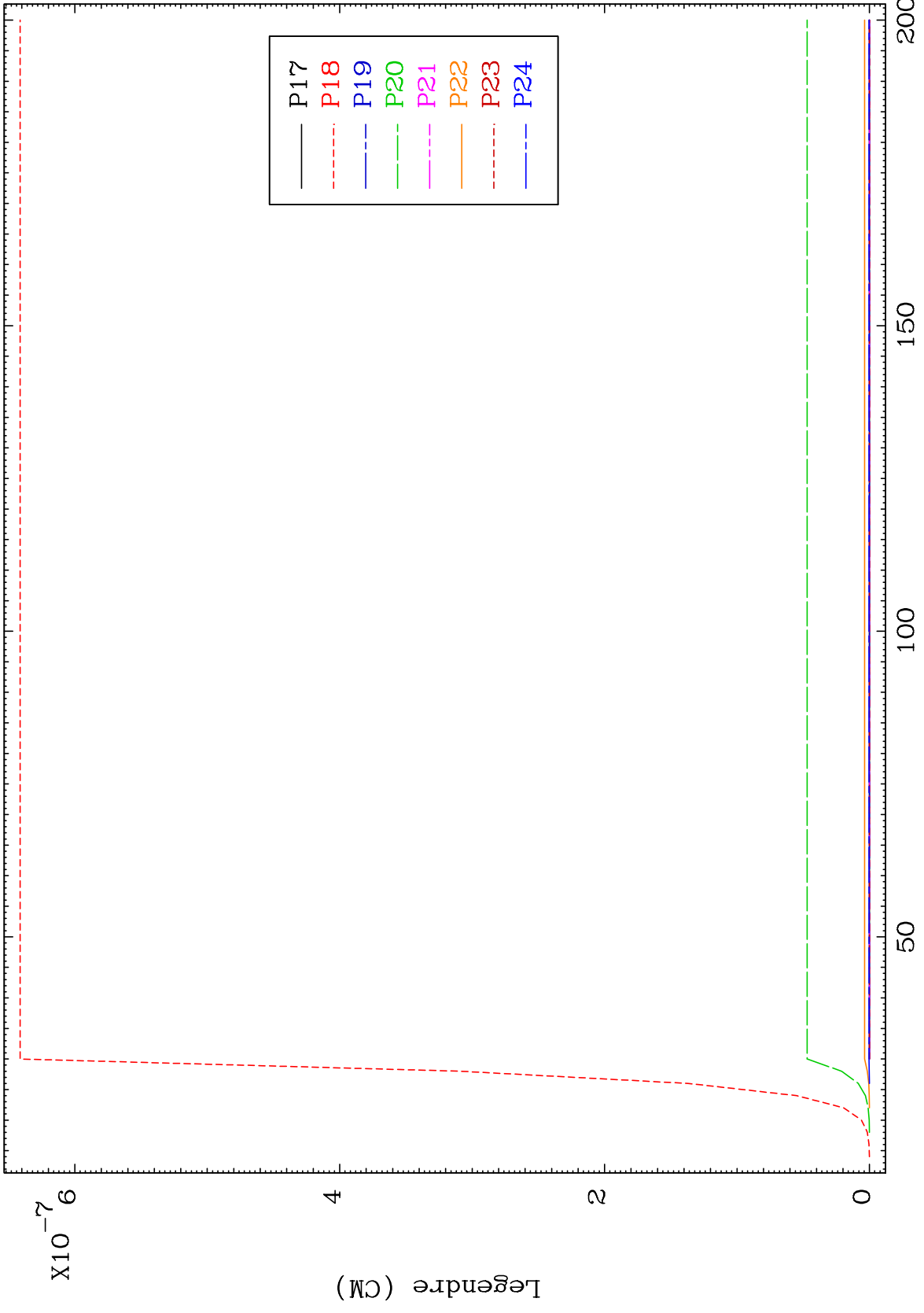
100

150

200

29-Cu-65

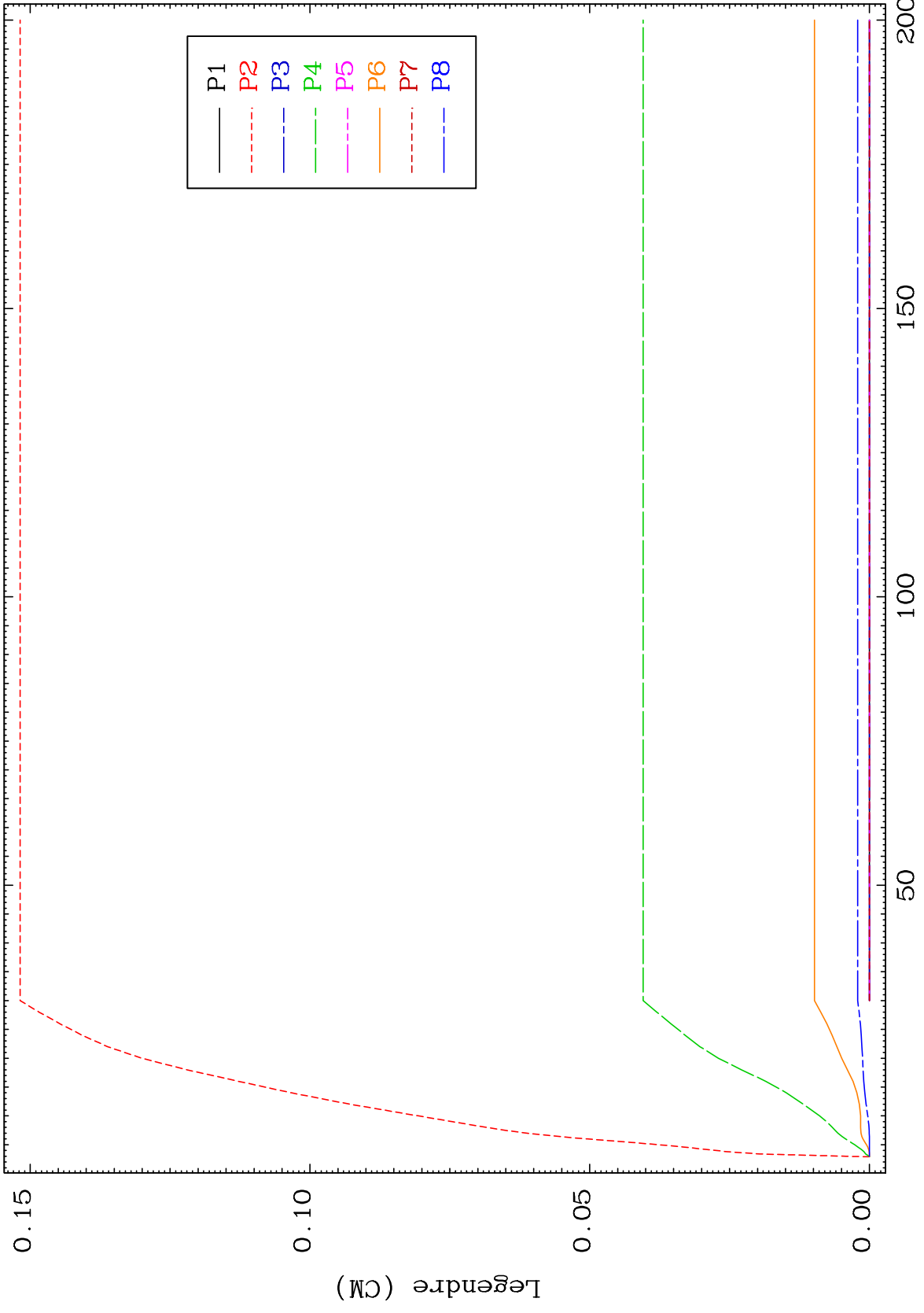
MAT 2931 MT= 73 (n,n') Level Legendre Coefficients 29-Cu-65



83

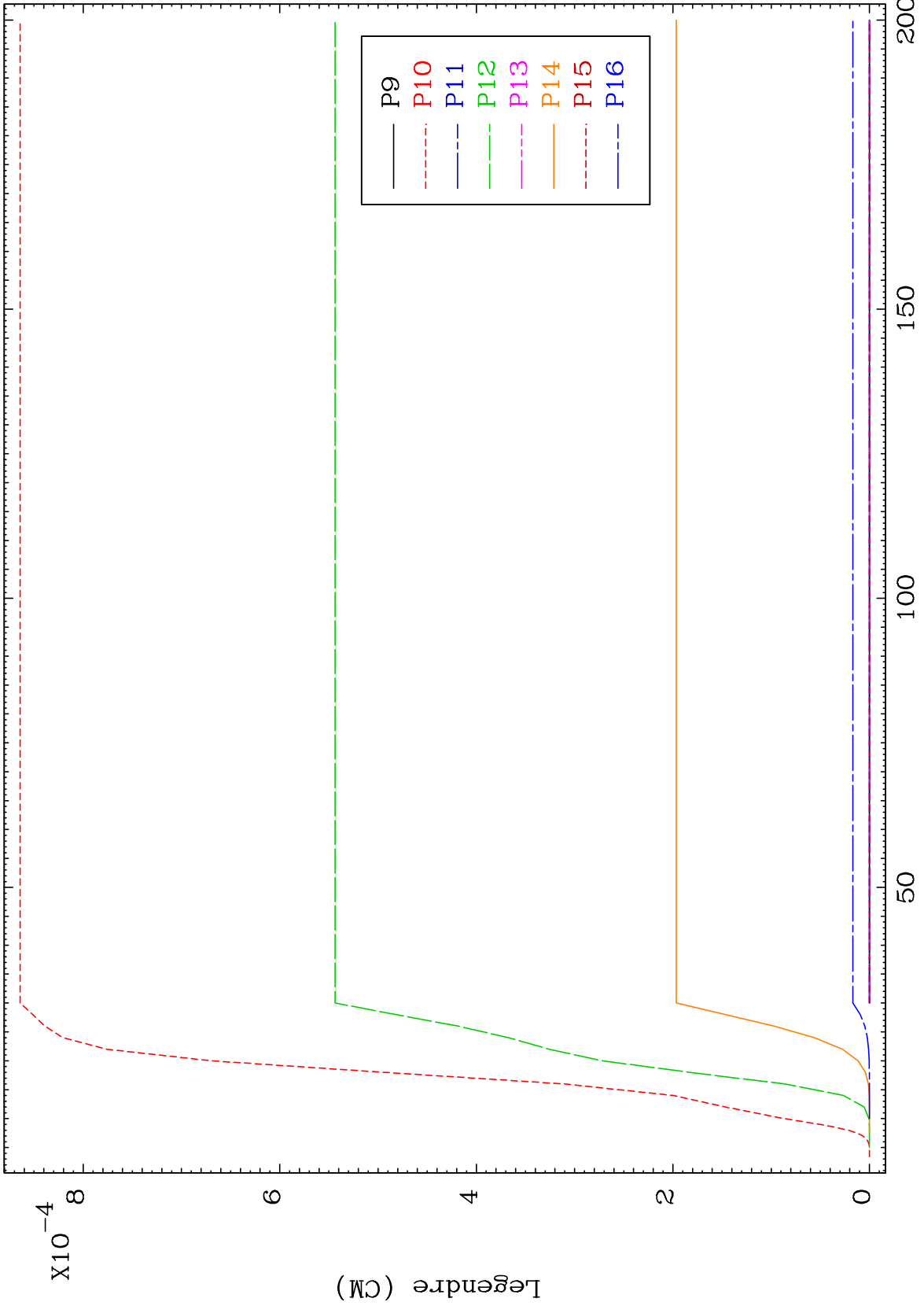
29-Cu-65

MAT 2931 MT= 74 (n,n') Level Legendre Coefficients 29-Cu-65



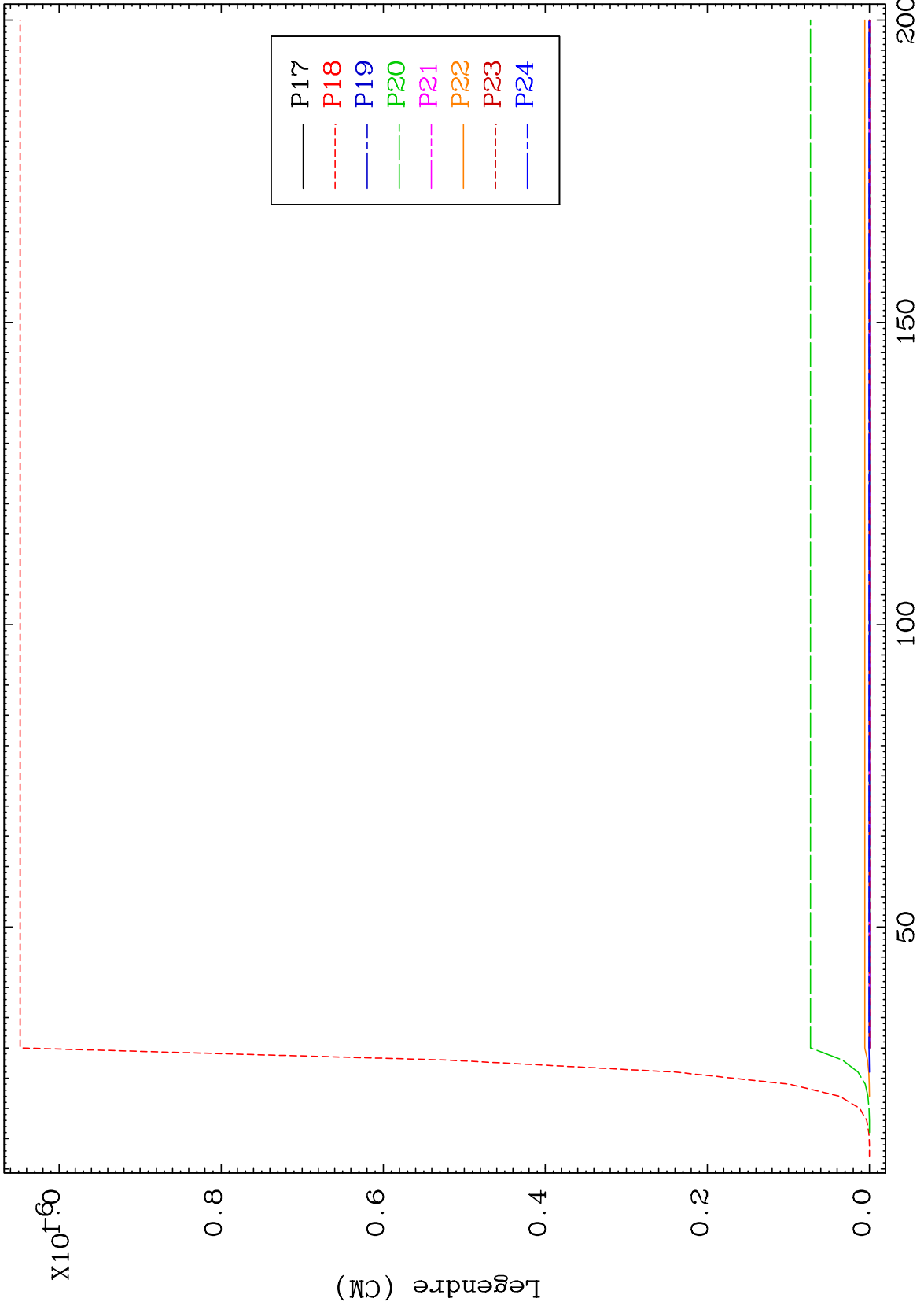
84 Incident Energy (MeV) 29-Cu-65

MAT 2931 MT= 74 (n,n') Level Legendre Coefficients 29-Cu-65

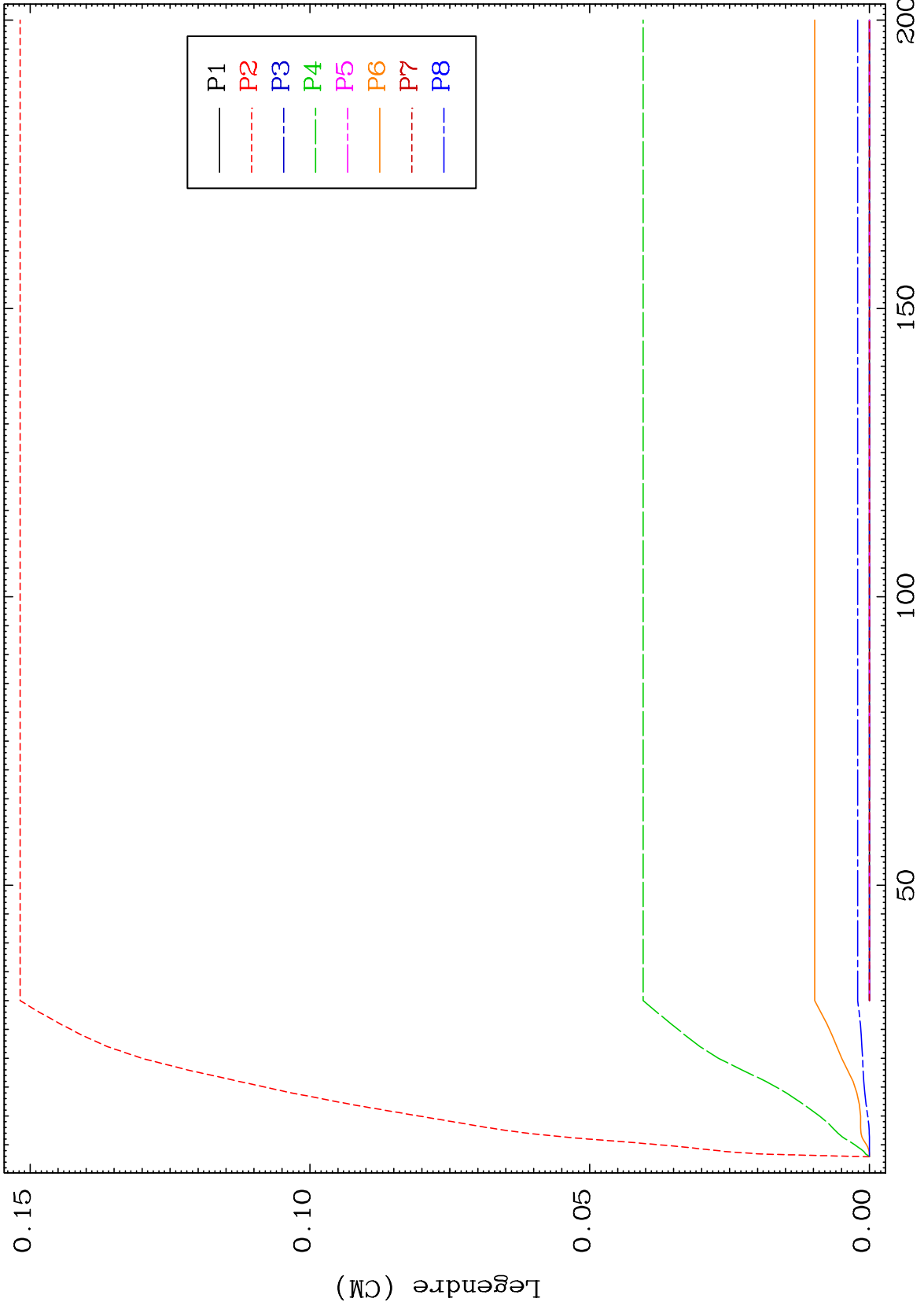


85 100 150 200 29-Cu-65

MAT 2931 MT= 74 (n,n') Level Legendre Coefficients 29-Cu-65



MAT 2931 MT= 75 (n,n') Level Legendre Coefficients 29-Cu-65



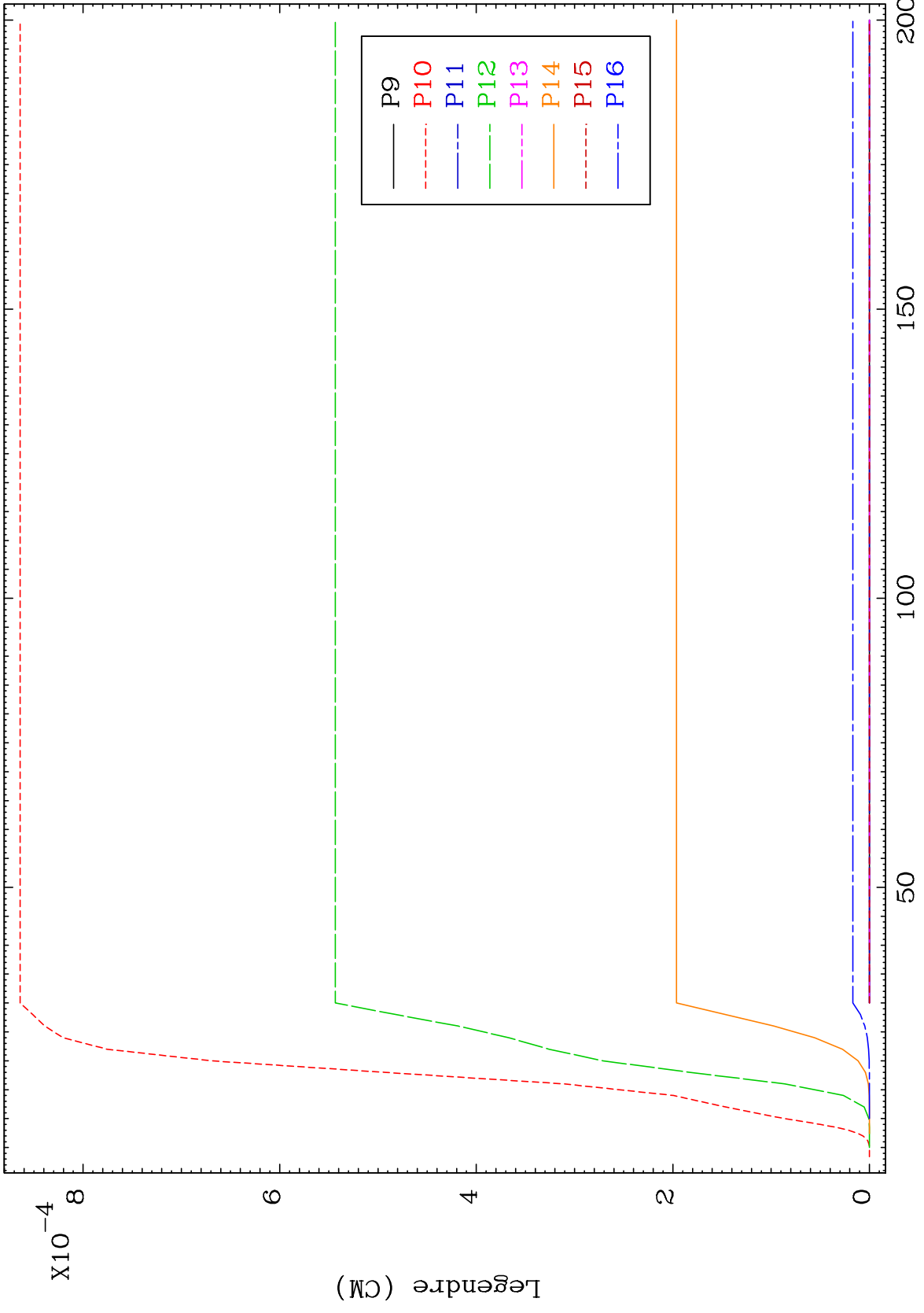
87

Incident Energy (MeV)

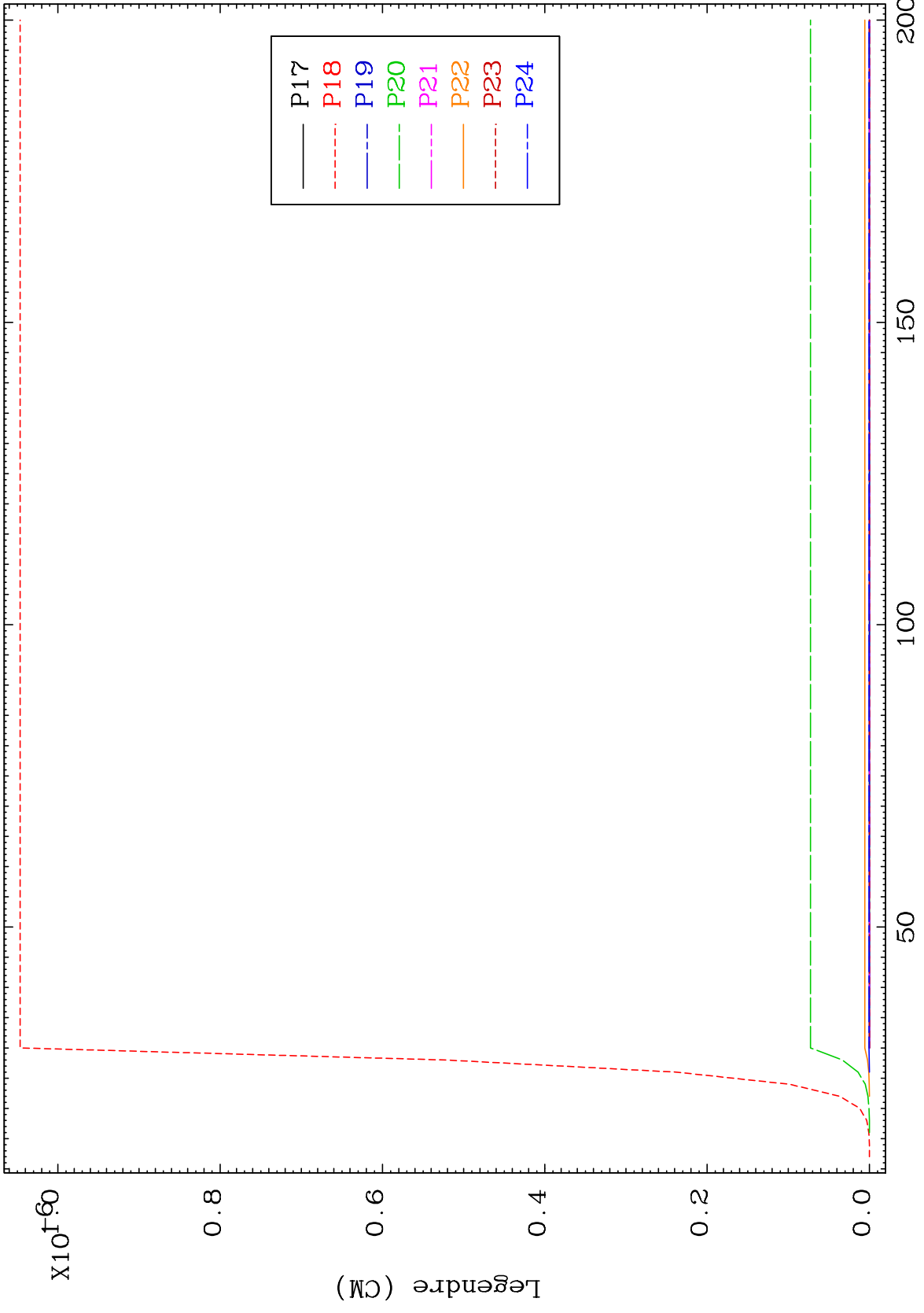
29-Cu-65



MAT 2931 MT= 75 (n,n') Level Legendre Coefficients 29-Cu-65



MAT 2931 MT= 75 (n,n') Level Legendre Coefficients 29-Cu-65

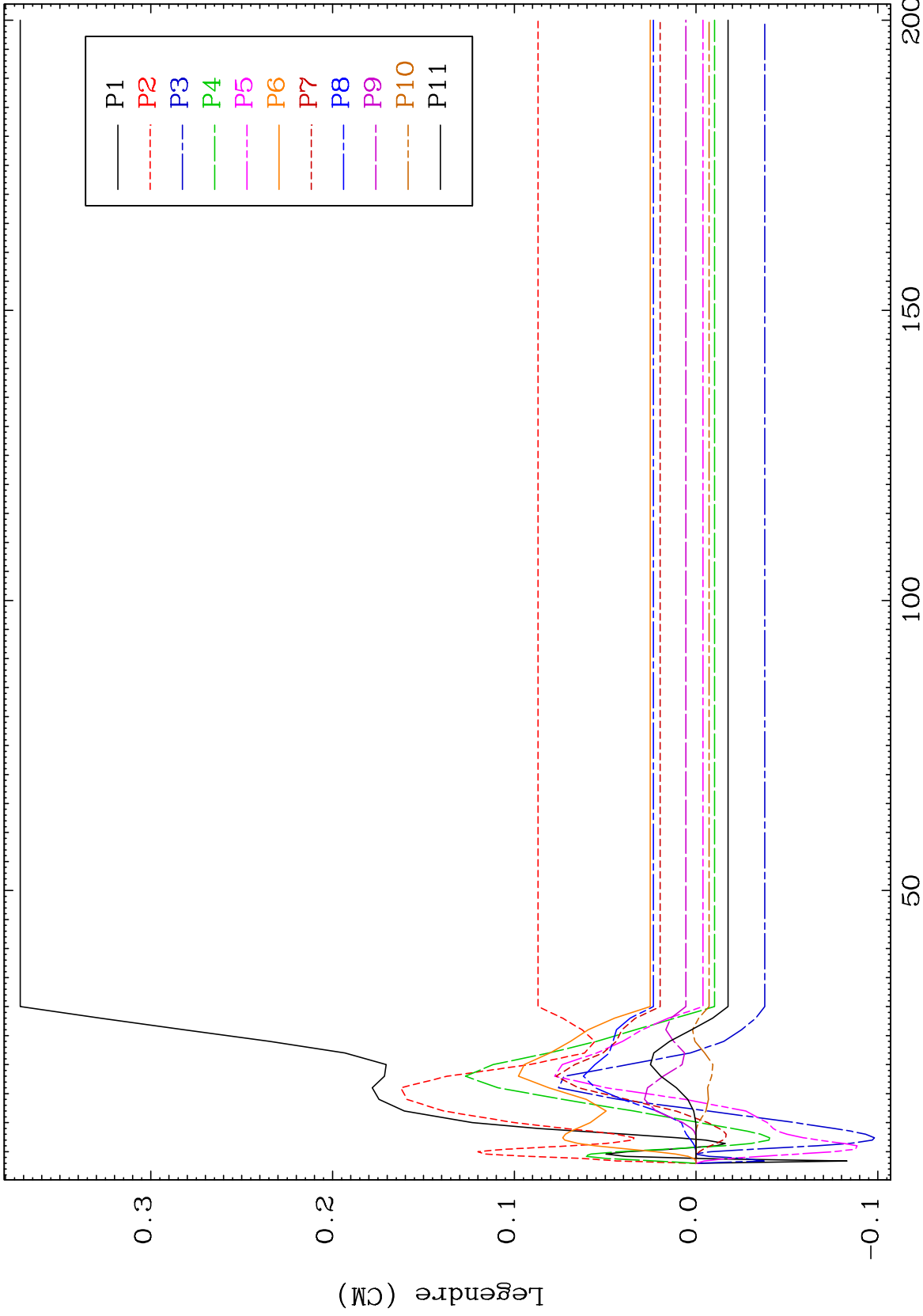


89 29-Cu-65

MAT 2931

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

29-Cu-65



29-Cu-65

Incident Energy (MeV)

90

50

100

150

200

Legendre (CM)

0.3

0.2

0.1

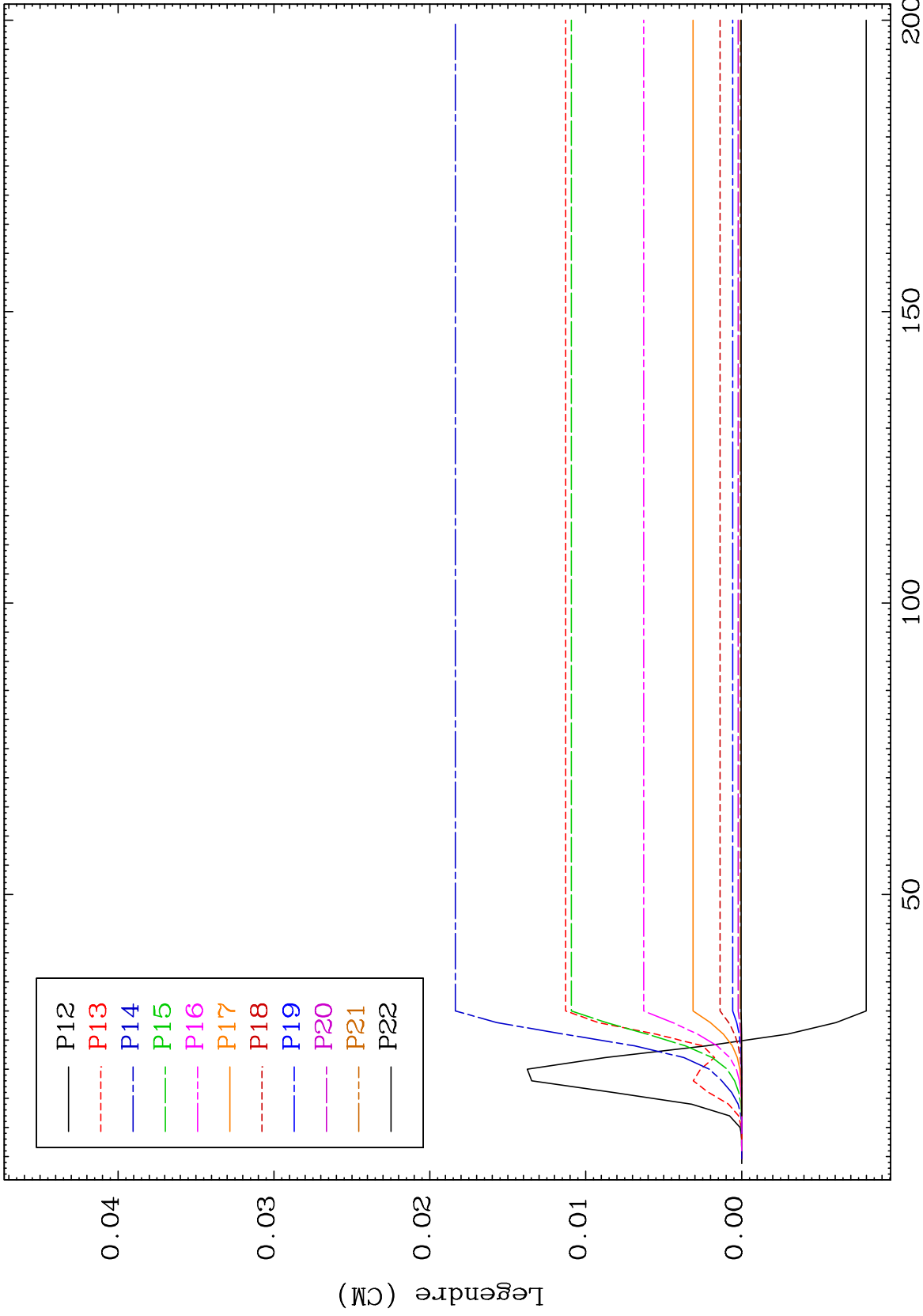
0.0

-0.1

MAT 2931

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

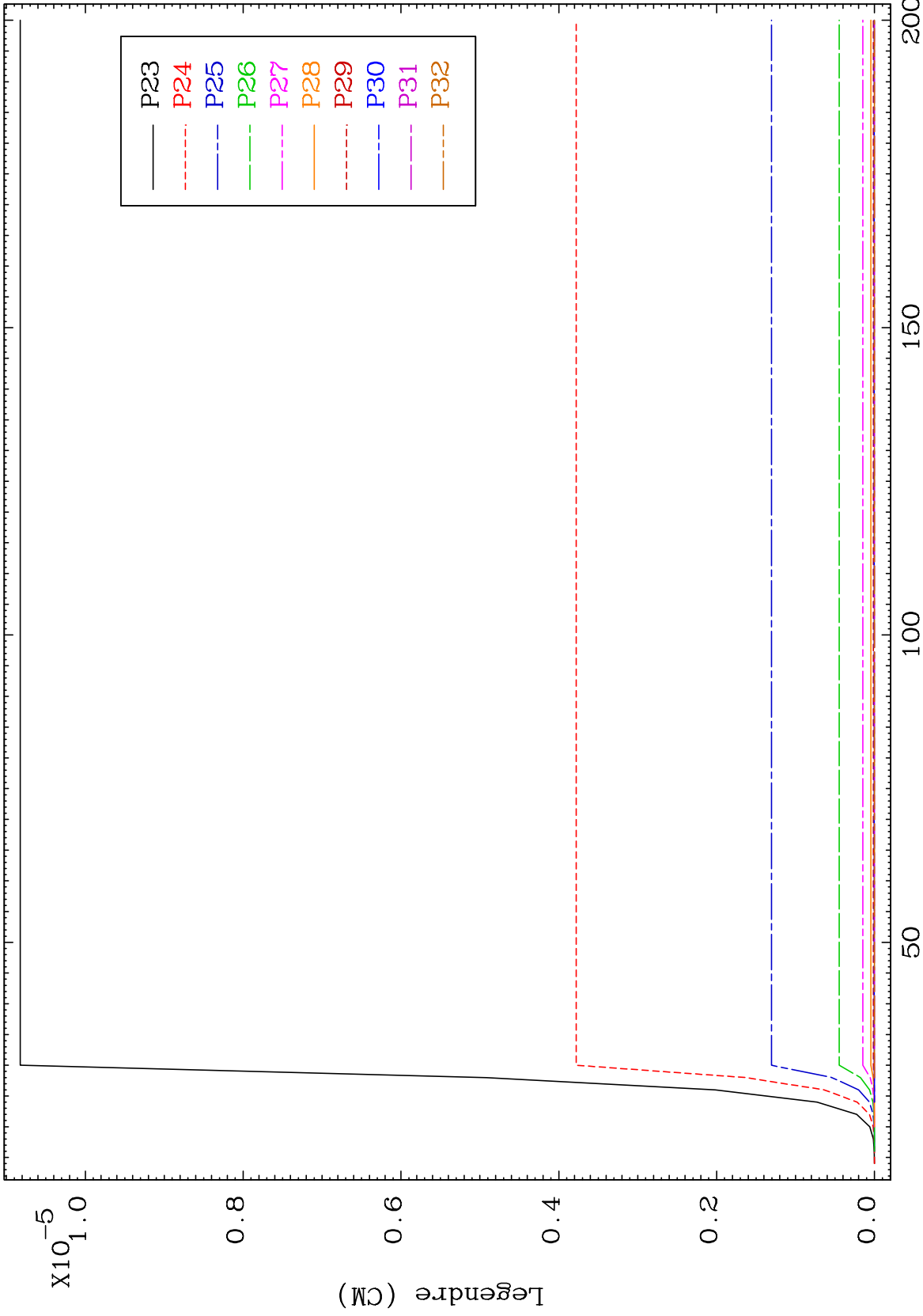
29-Cu-65



MAT 2931

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

29-Cu-65

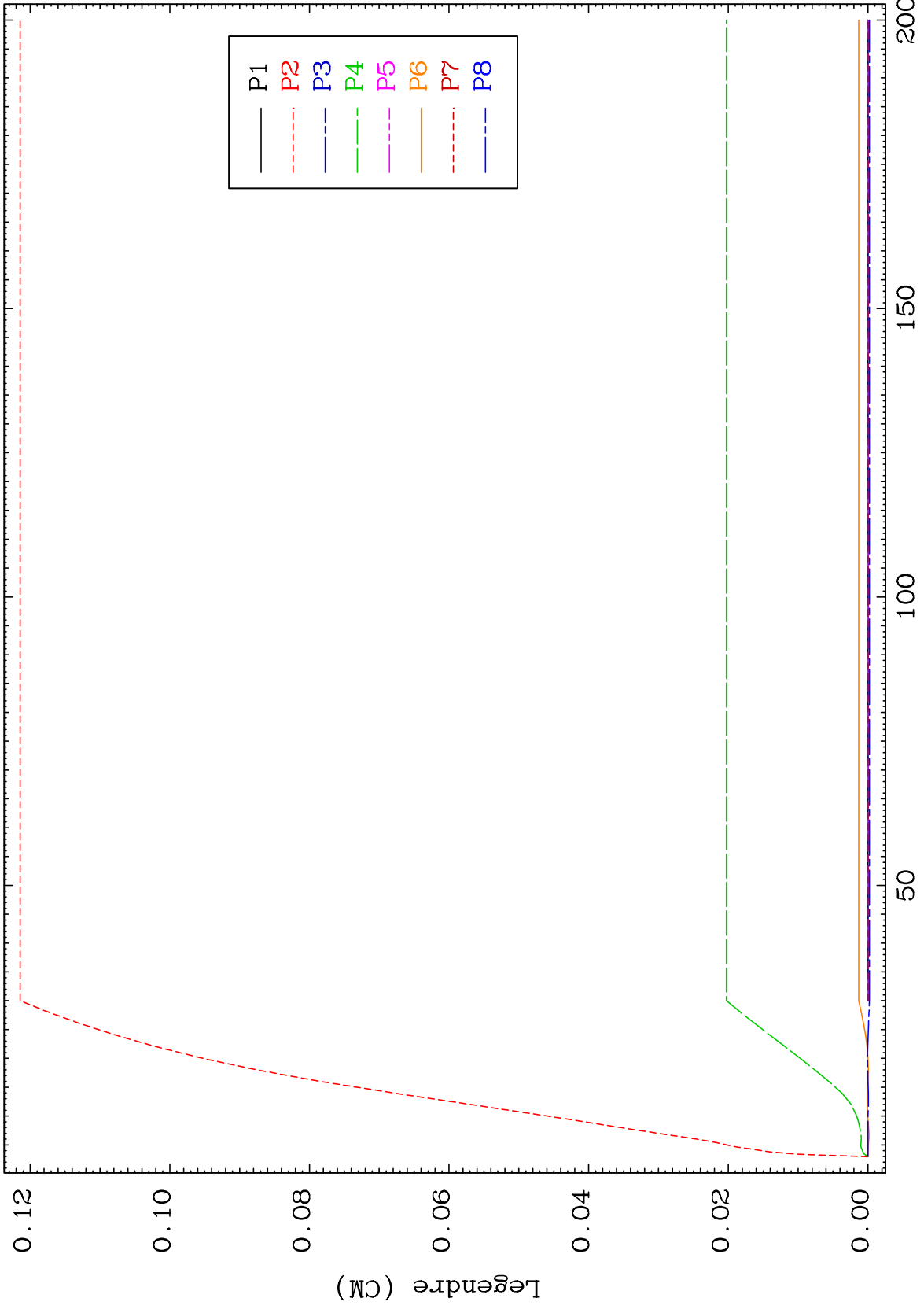


92

Incident Energy (MeV)

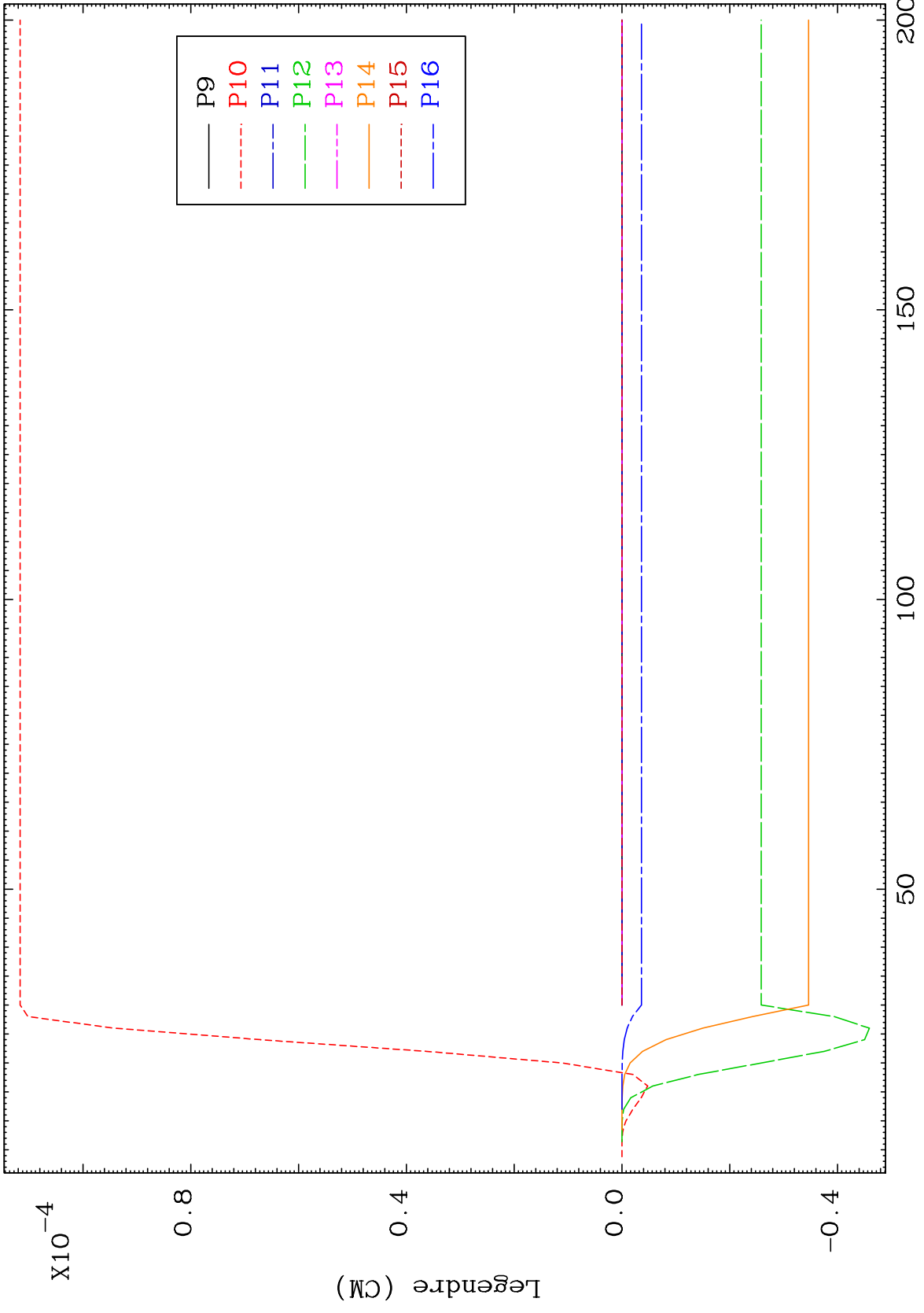
29-Cu-65

MAT 2931 MT= 77 (n,n') Level Legendre Coefficients 29-Cu-65

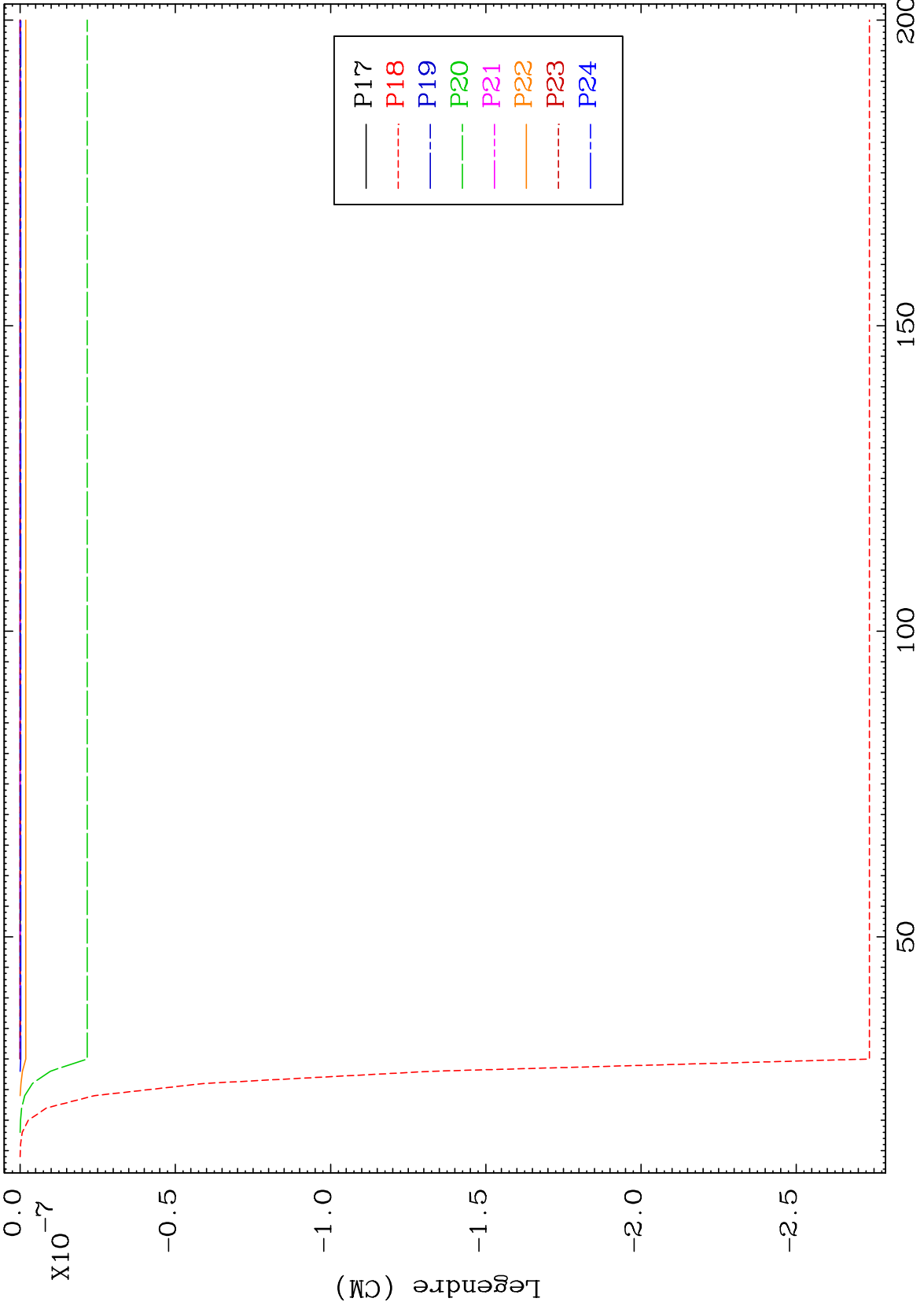


93 29-Cu-65

MAT 2931 MT= 77 (n,n') Level Legendre Coefficients 29-Cu-65



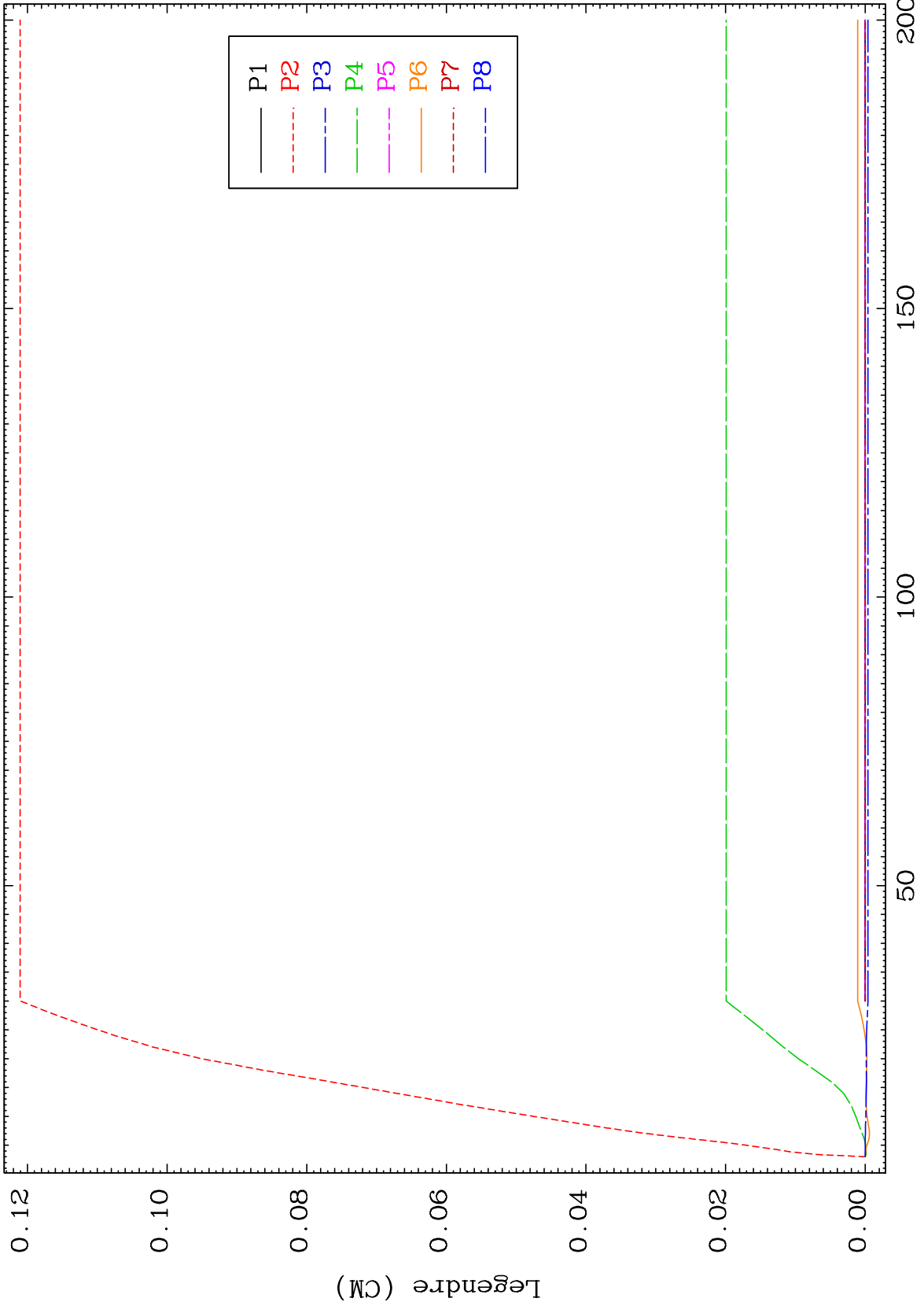
MAT 2931 MT= 77 (n,n') Level Legendre Coefficients 29-Cu-65



95 29-Cu-65

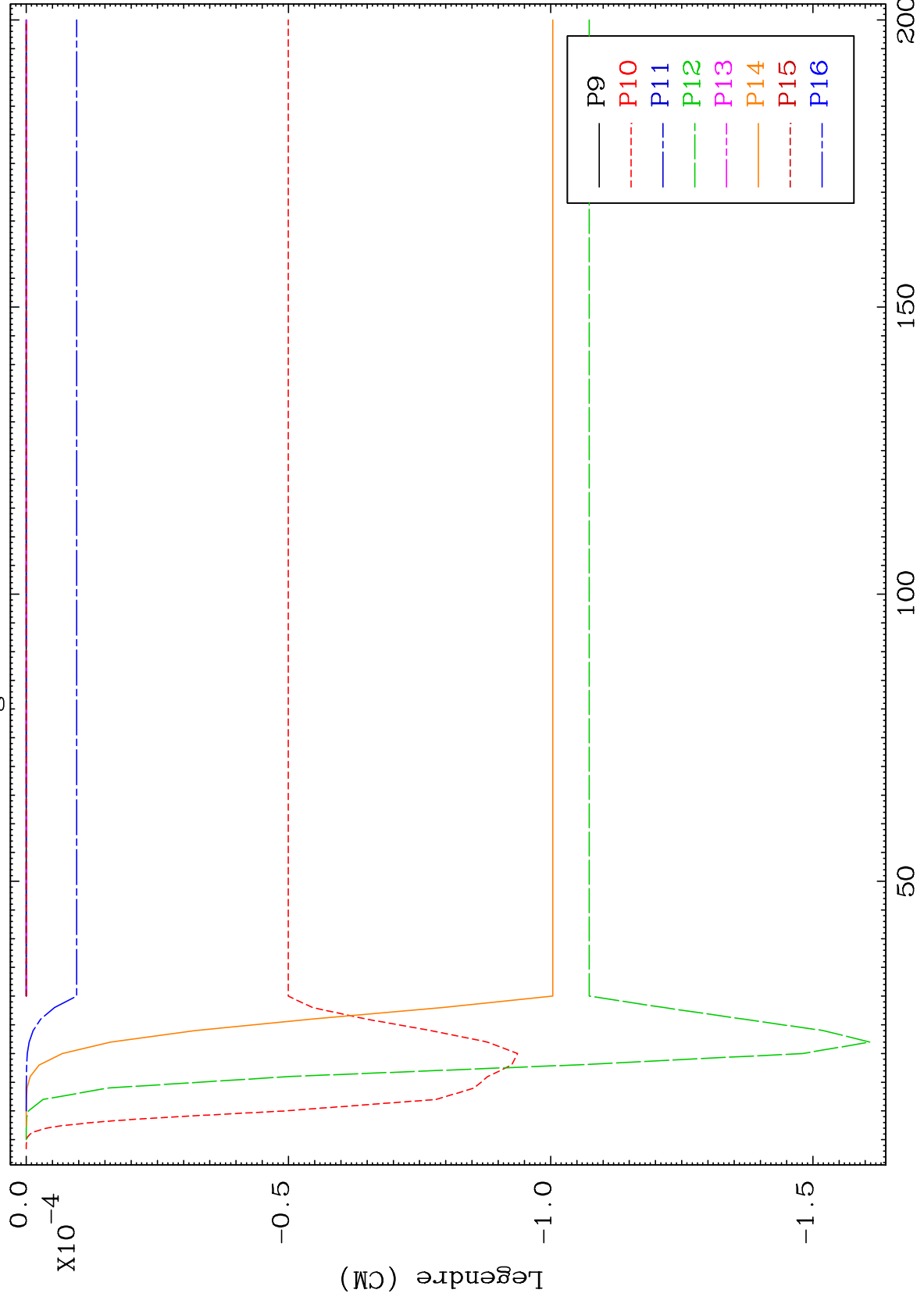


MAT 2931 MT= 78 (n,n') Level Legendre Coefficients 29-Cu-65

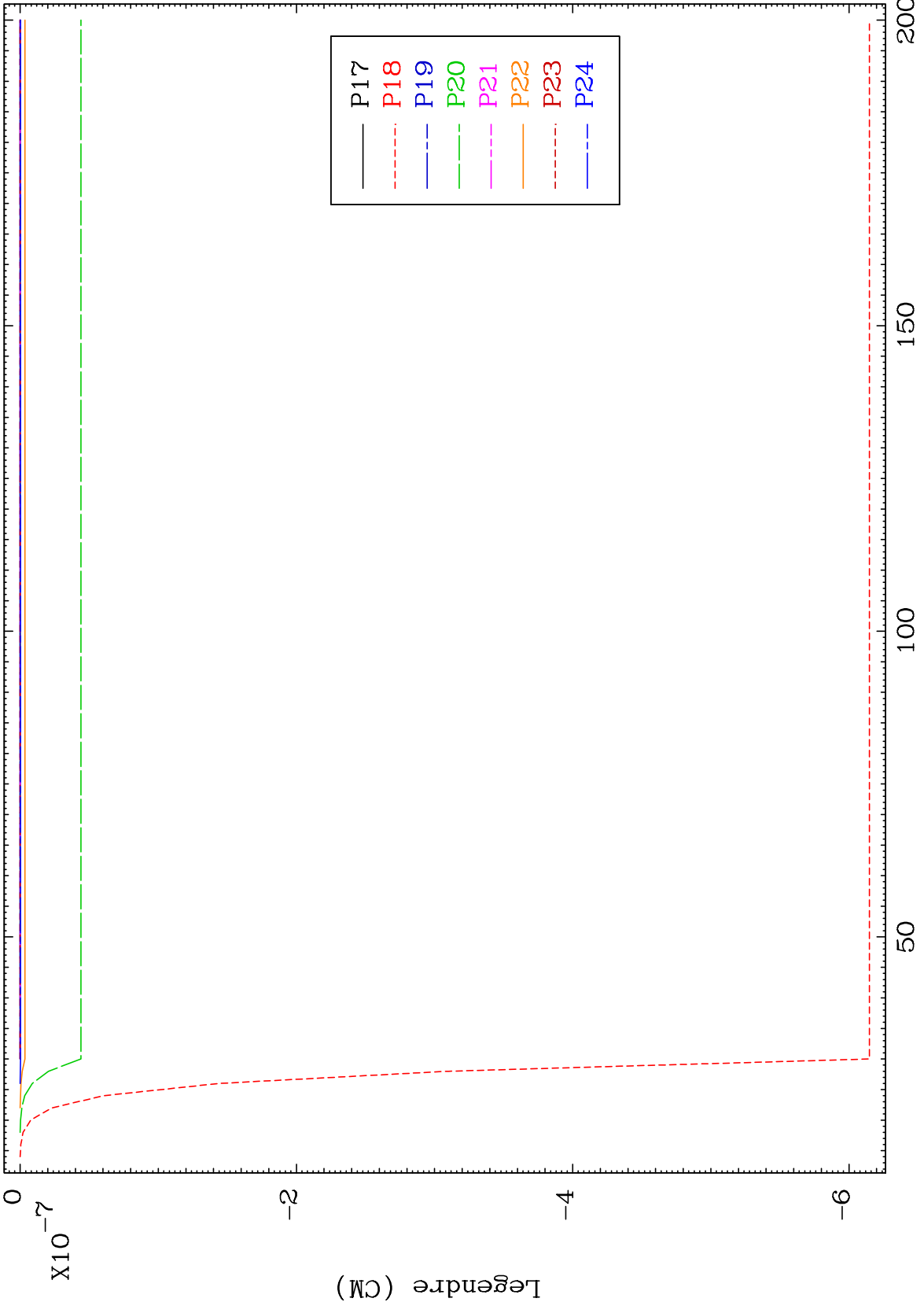


96 Incident Energy (MeV) 200 29-Cu-65

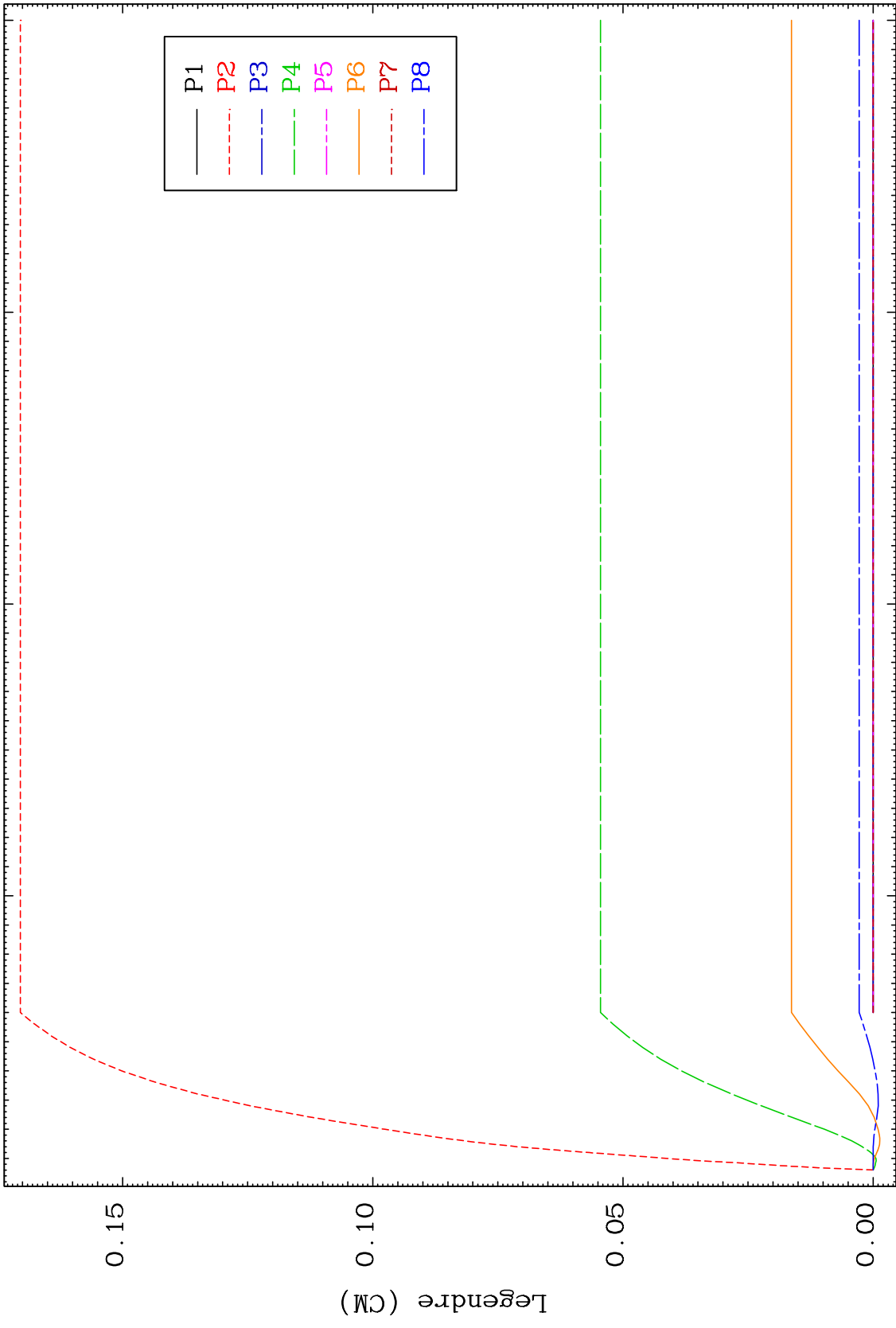
MAT 2931 MT= 78 (n,n') Level Legendre Coefficients 29-Cu-65



MAT 2931 MT= 78 (n,n') Level Legendre Coefficients 29-Cu-65

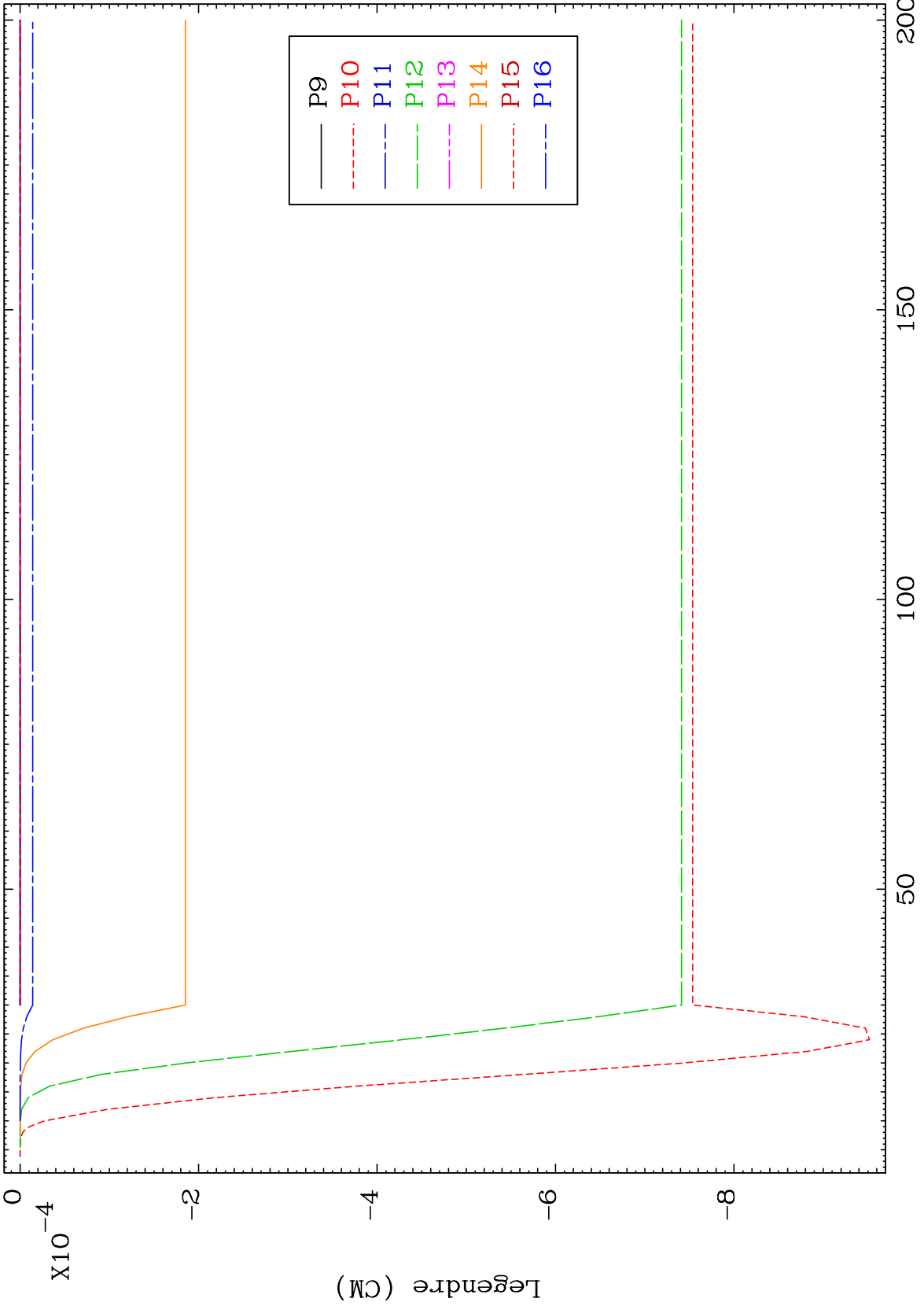


MAT 2931 MT= 79 (n,n') Level Legendre Coefficients 29-Cu-65



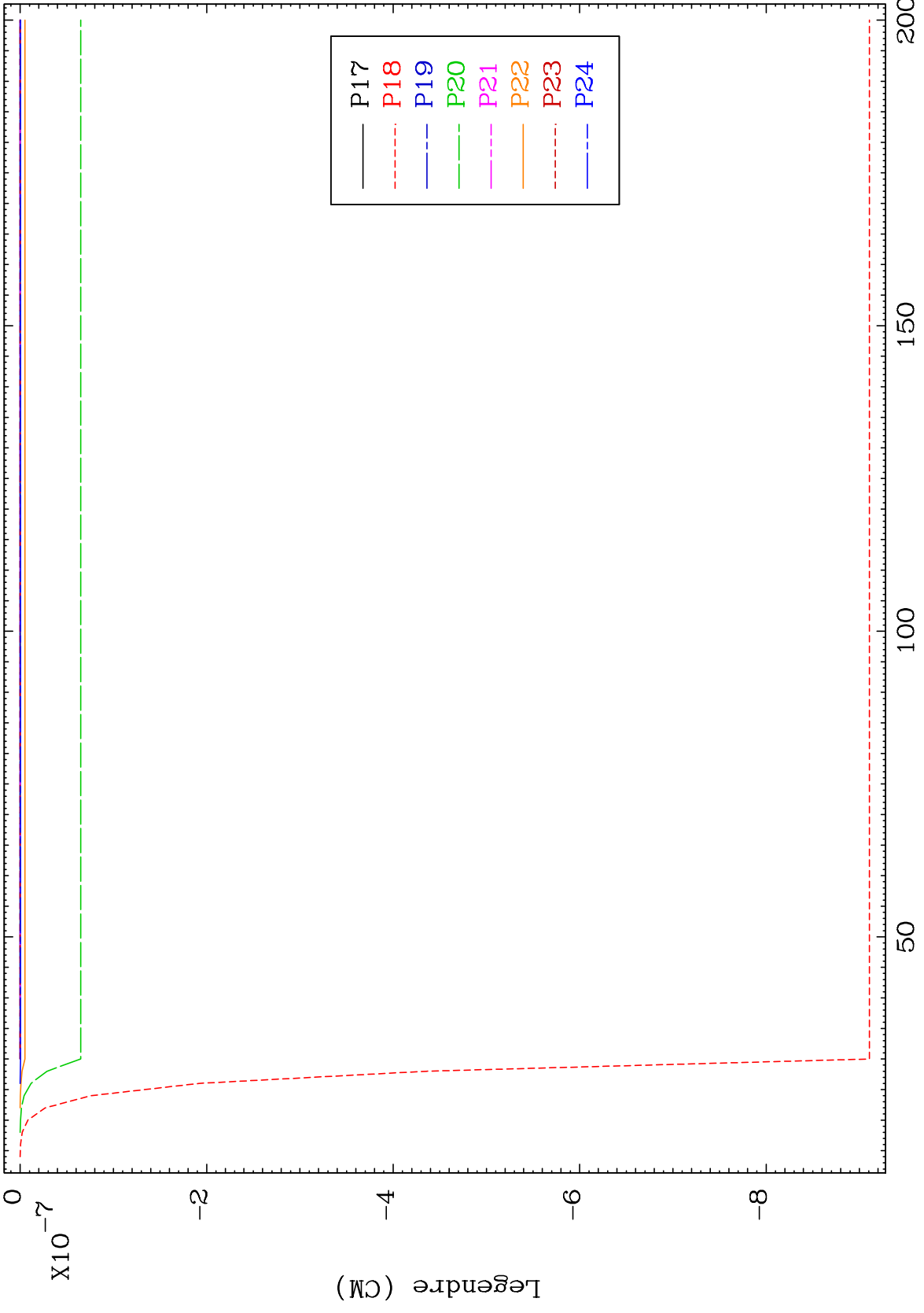
99 Incident Energy (MeV) 29-Cu-65

MAT 2931 MT= 79 (n,n') Level Legendre Coefficients 29-Cu-65



Legendre (CM) Incident Energy (MeV) 29-Cu-65

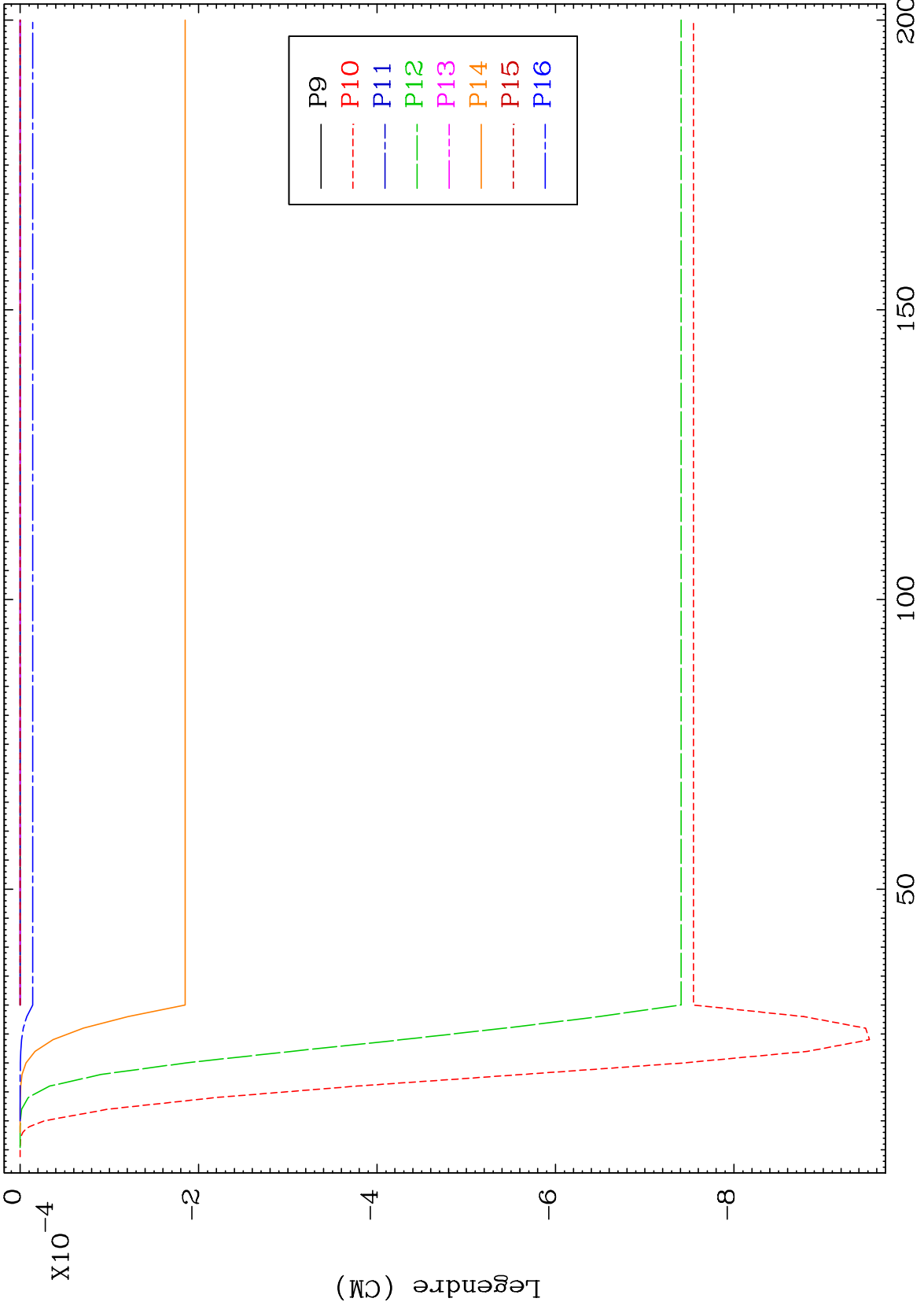
MAT 2931 MT= 79 (n,n') Level Legendre Coefficients 29-Cu-65



101 29-Cu-65



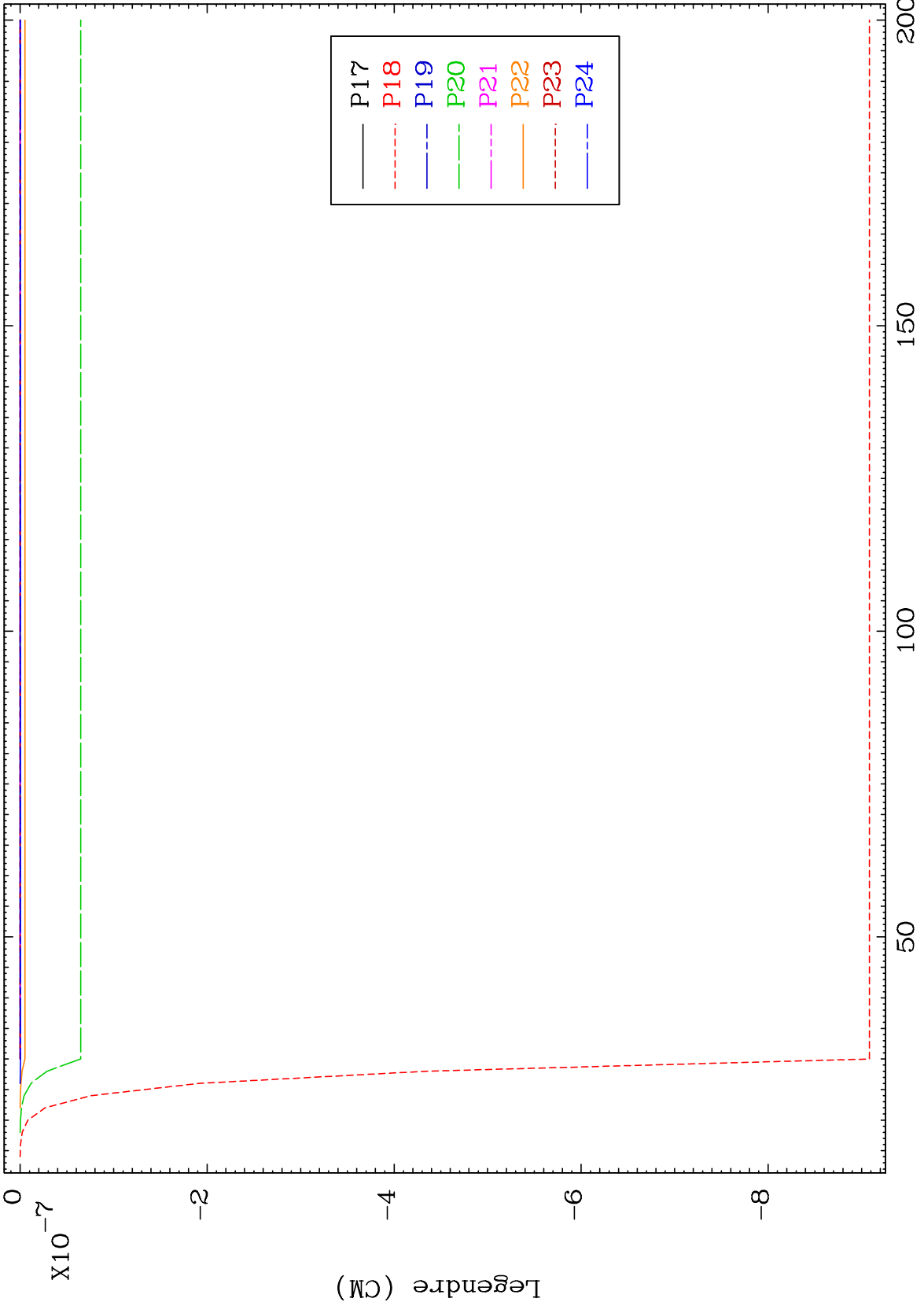
MAT 2931 MT= 80 (n,n') Level Legendre Coefficients 29-Cu-65



103 Incident Energy (MeV) 29-Cu-65



MAT 2931 MT= 80 (n,n') Level Legendre Coefficients 29-Cu-65



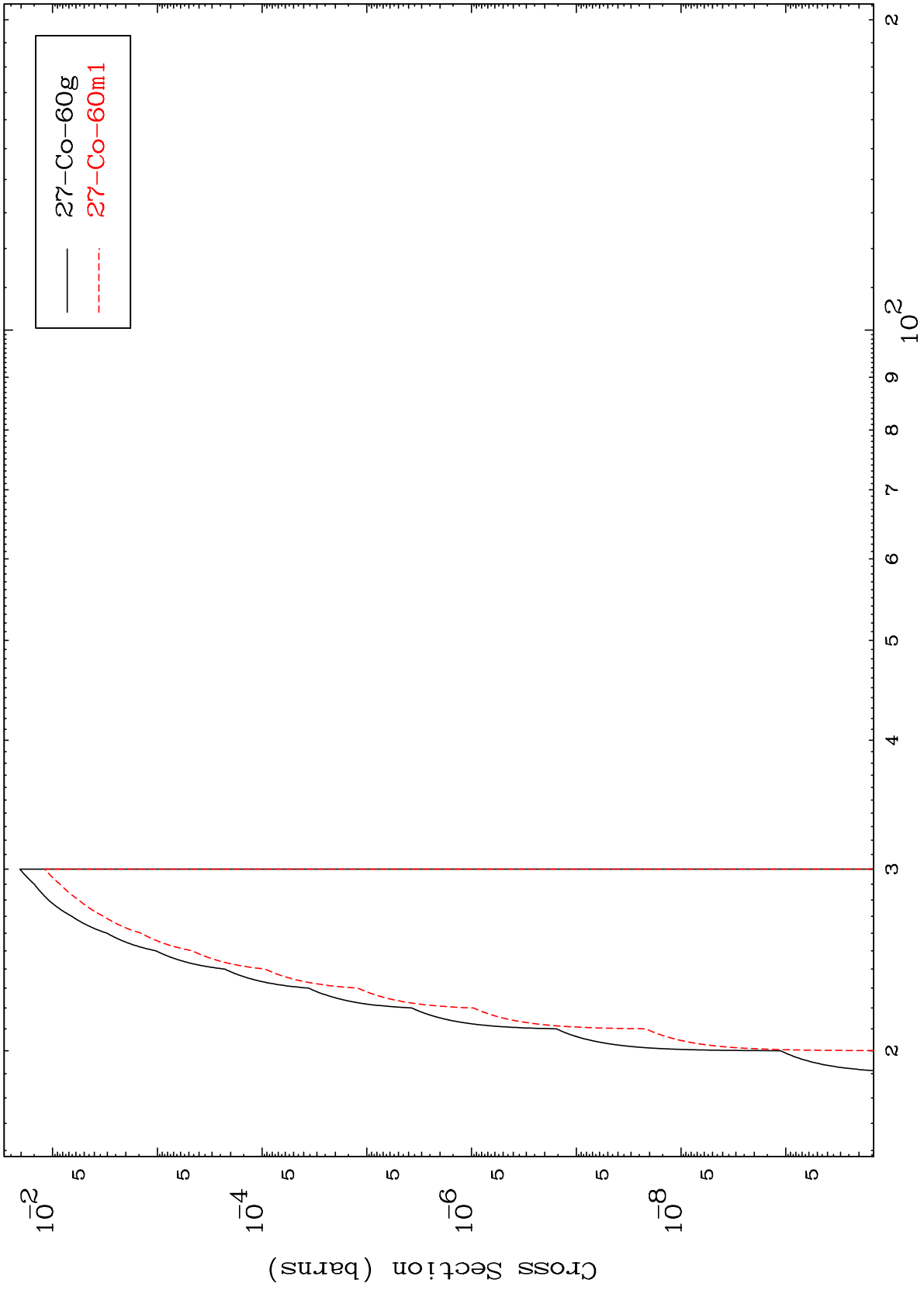
104 29-Cu-65

MAT 2931

(n,2n)  $\alpha$

29-Cu-65

Radionuclide Production Cross Section



105

Incident Energy (MeV)

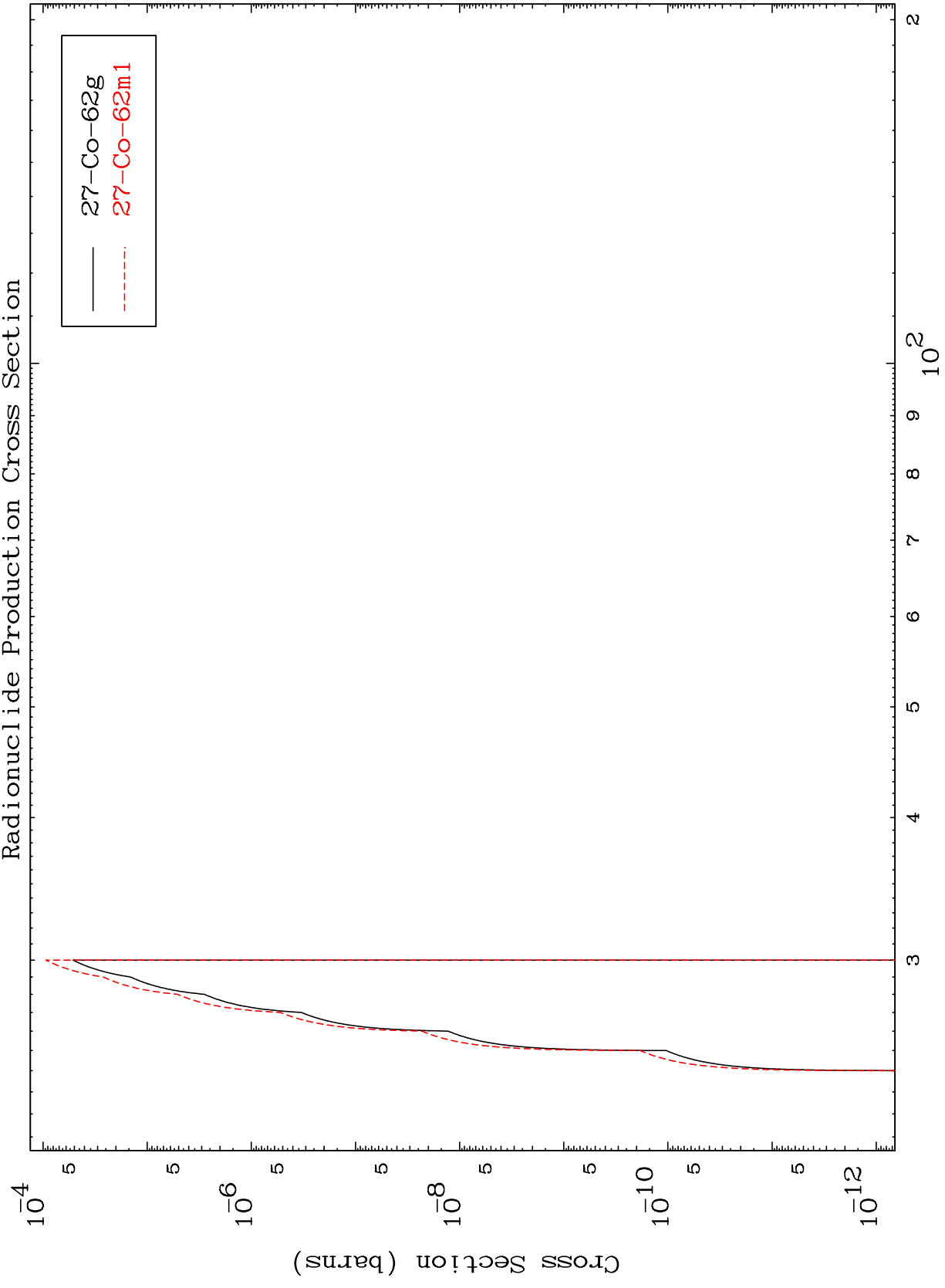
29-Cu-65

MAT 2931

(n, n') He-3

29-Cu-65

Radionuclide Production Cross Section

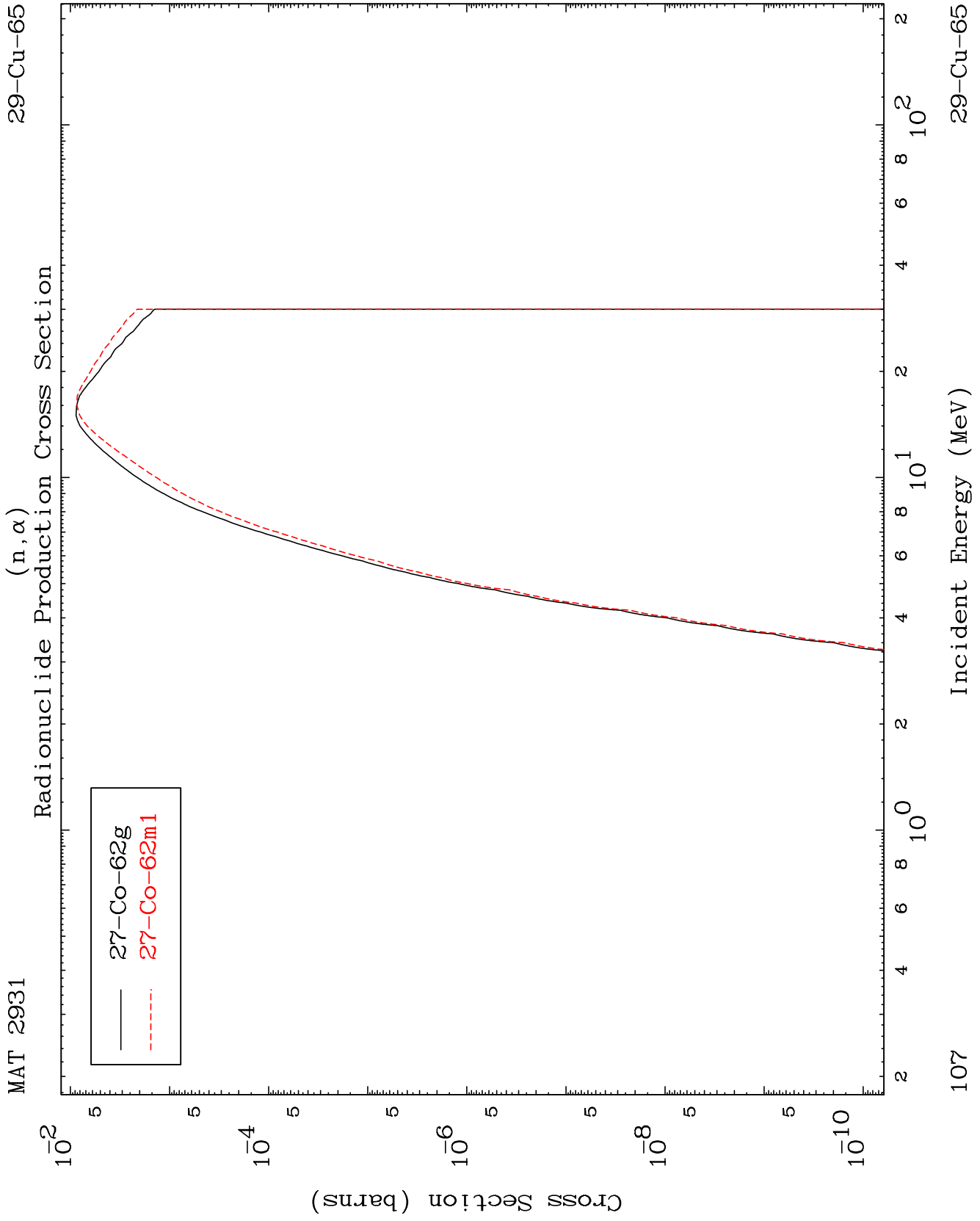


— 27-Co-62g  
- - - 27-Co-62m1

106

Incident Energy (MeV)

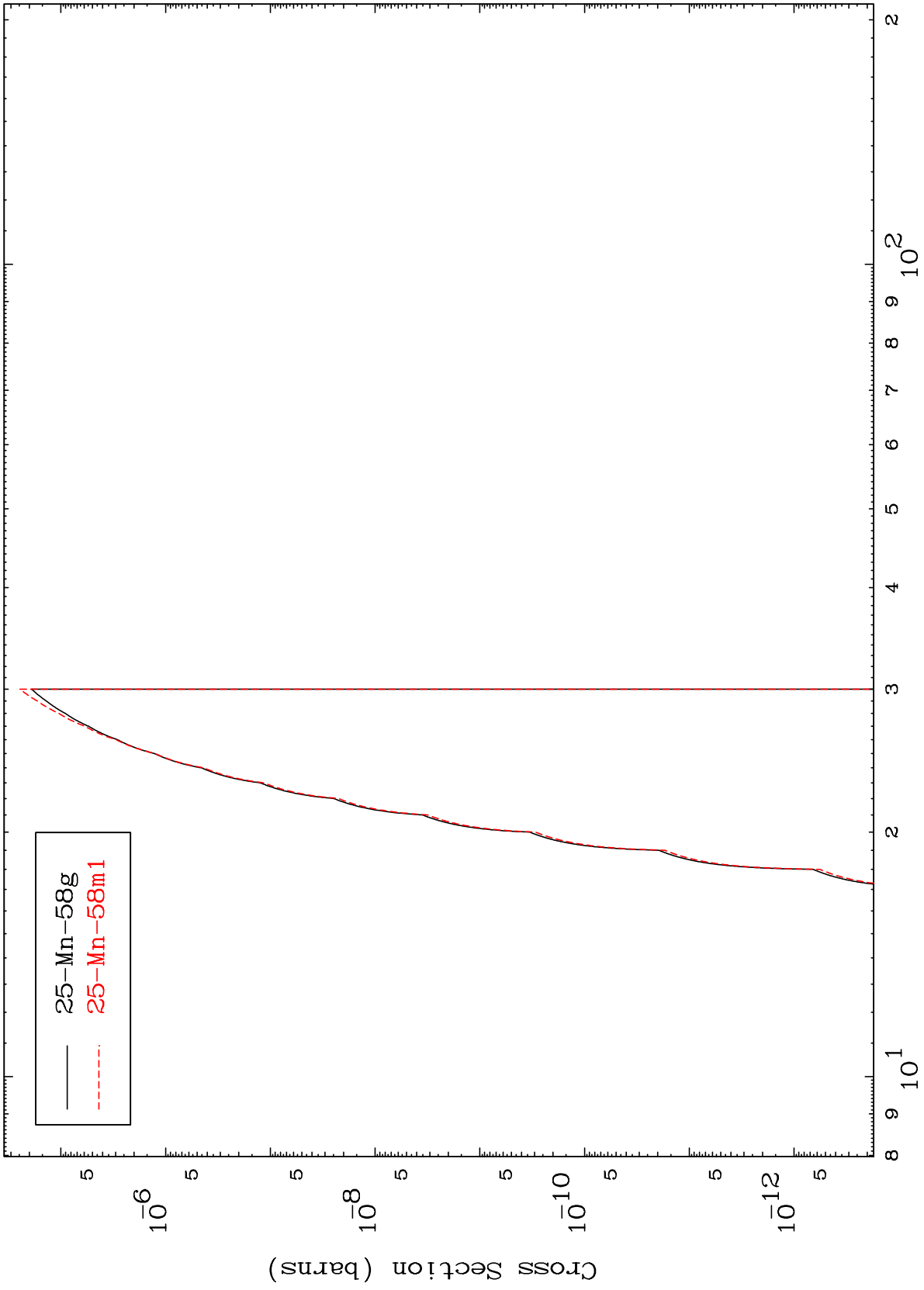
29-Cu-65



MAT 2931

29-Cu-65

Radionuclide Production Cross Section



108

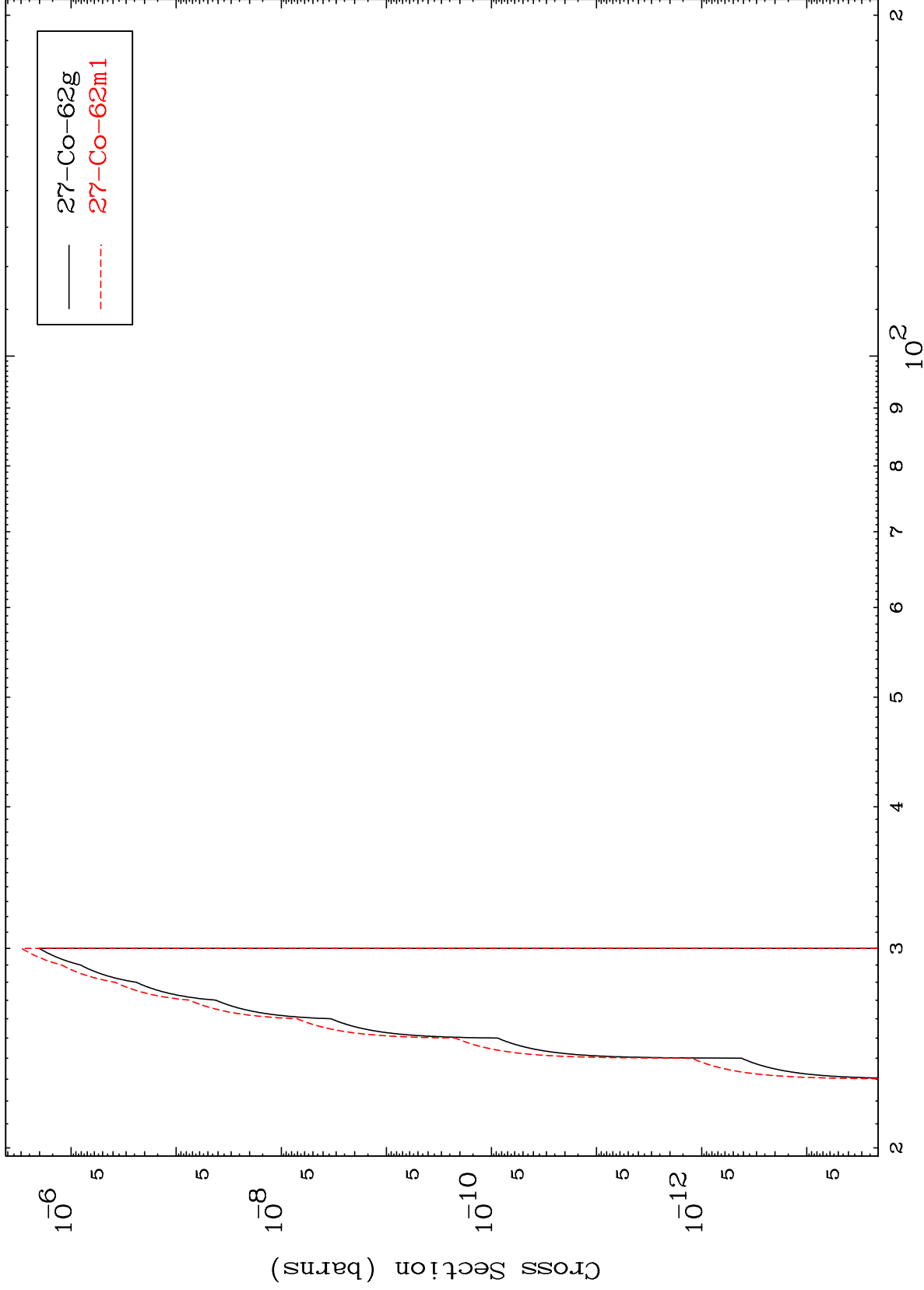
29-Cu-65

MAT 2931

(n,p) t

<sup>29</sup>Cu-65

Radionuclide Production Cross Section



109

Incident Energy (MeV)

<sup>29</sup>Cu-65