

Program EVALPLOT
(Version 2021-1)

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

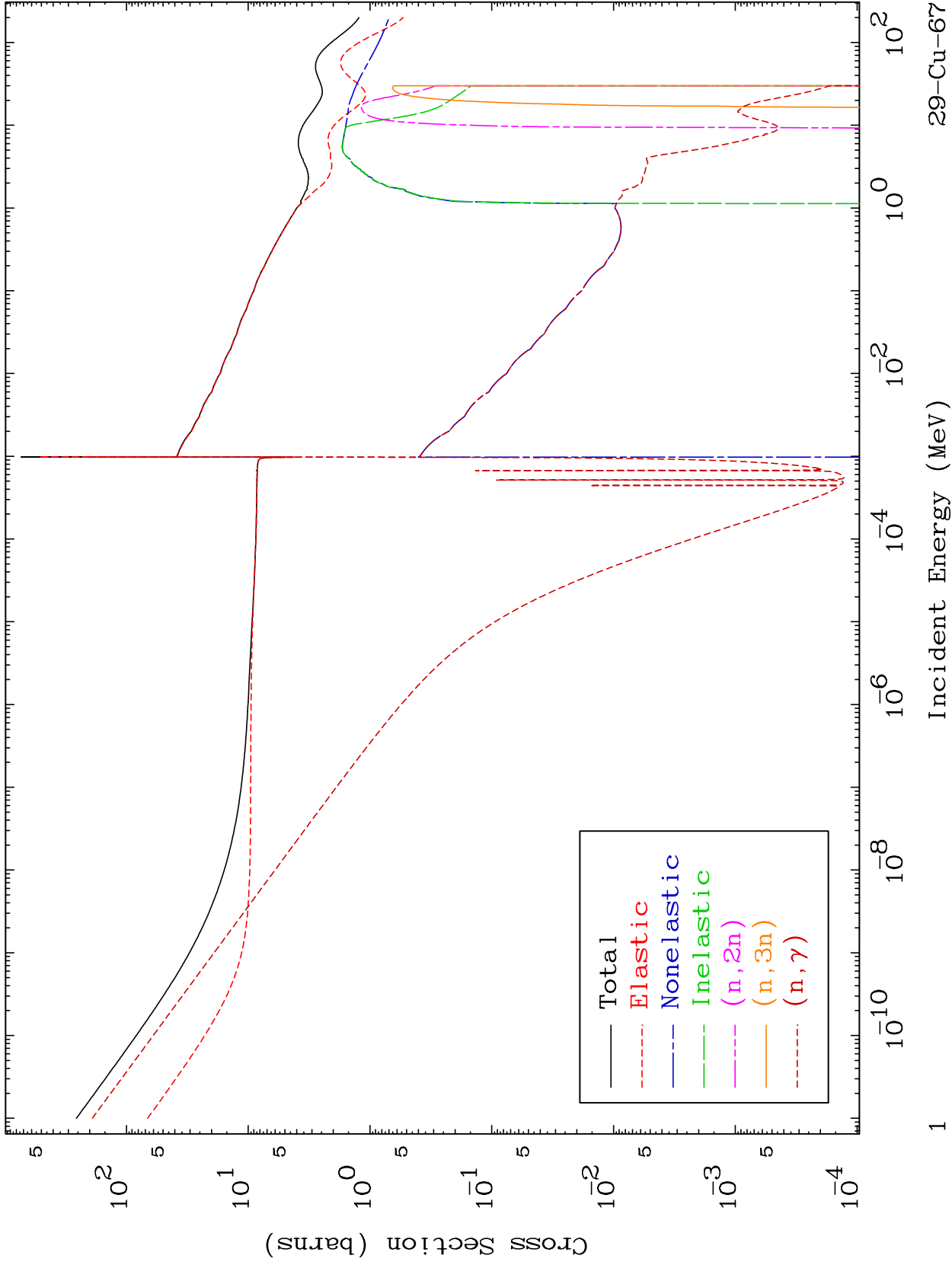
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2937

Neutron Major
293 Kelvin Cross Sections

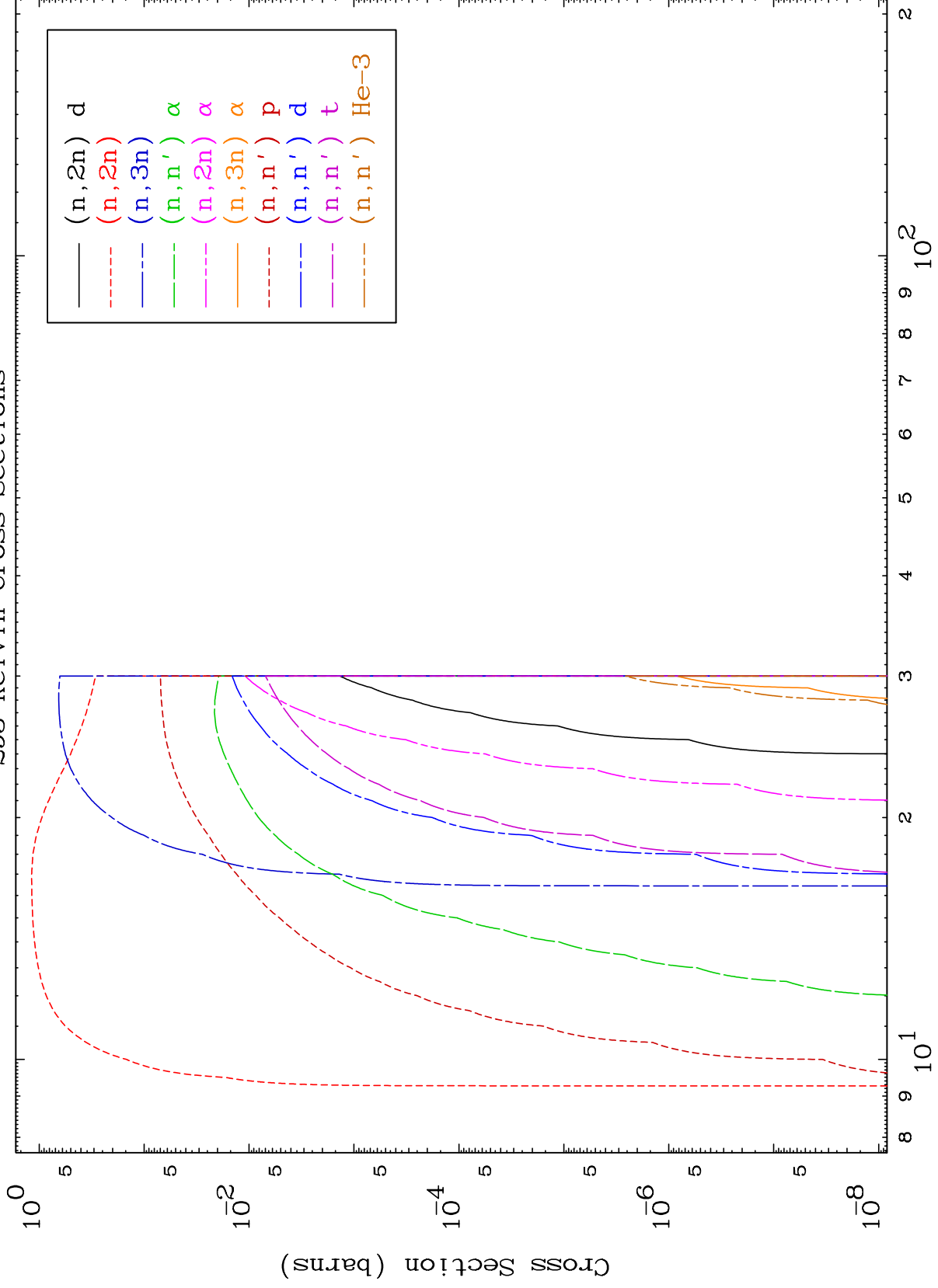
29-Cu-67



MAT 2937

Neutron Absorption
293 Kelvin Cross Sections

29-Cu-67



2

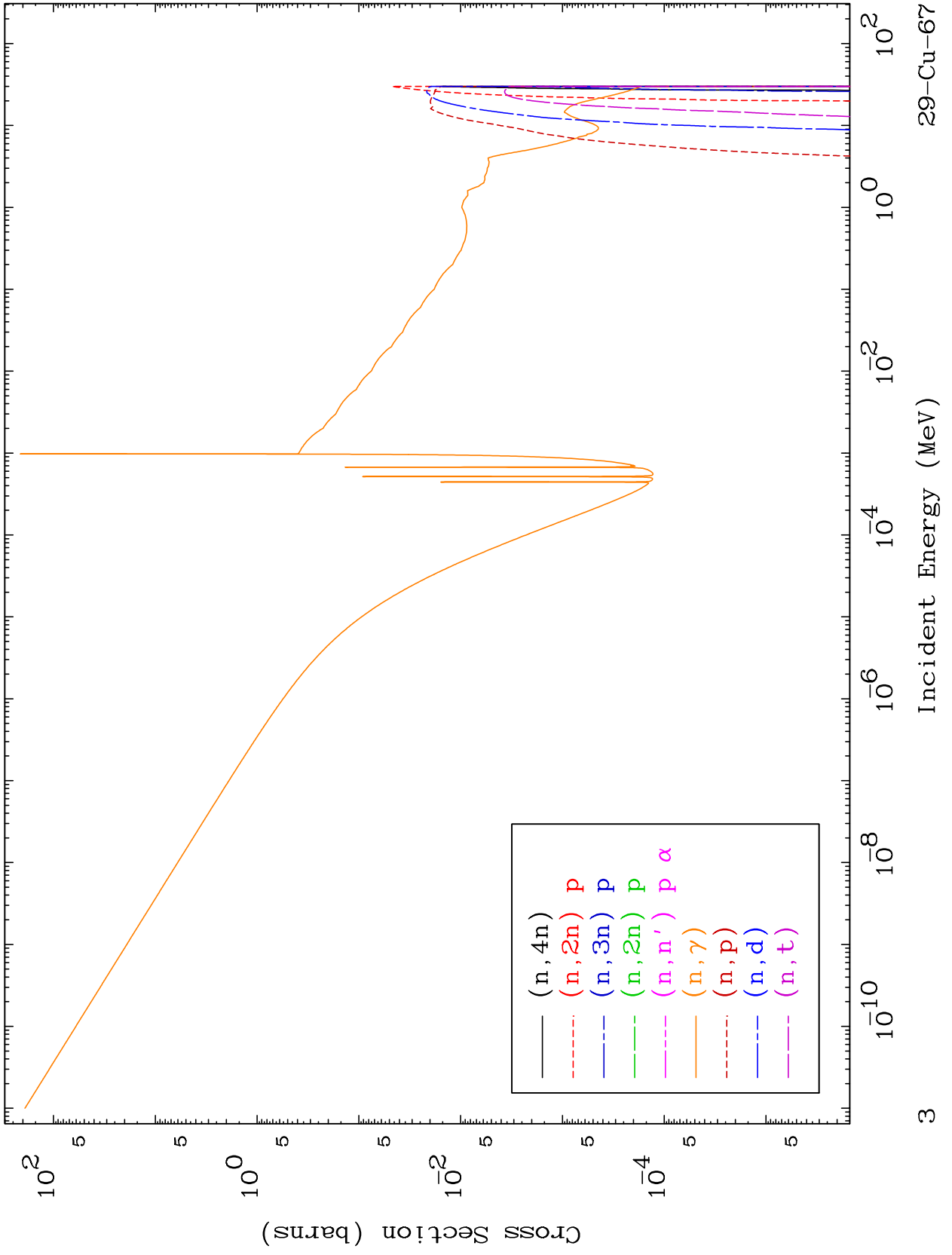
Incident Energy (MeV)

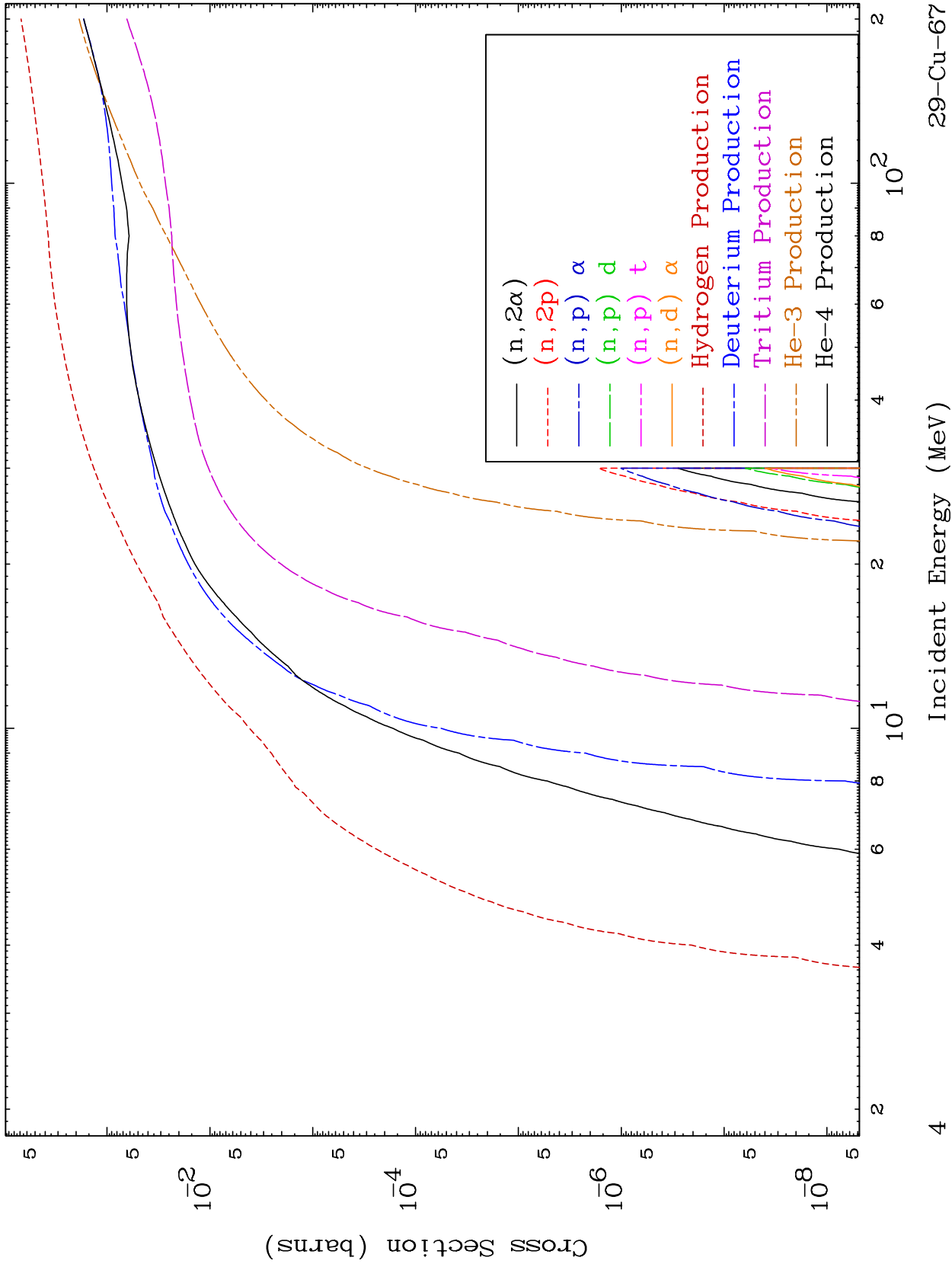
29-Cu-67

MAT 2937

Neutron Absorption
293 Kelvin Cross Sections

29-Cu-67

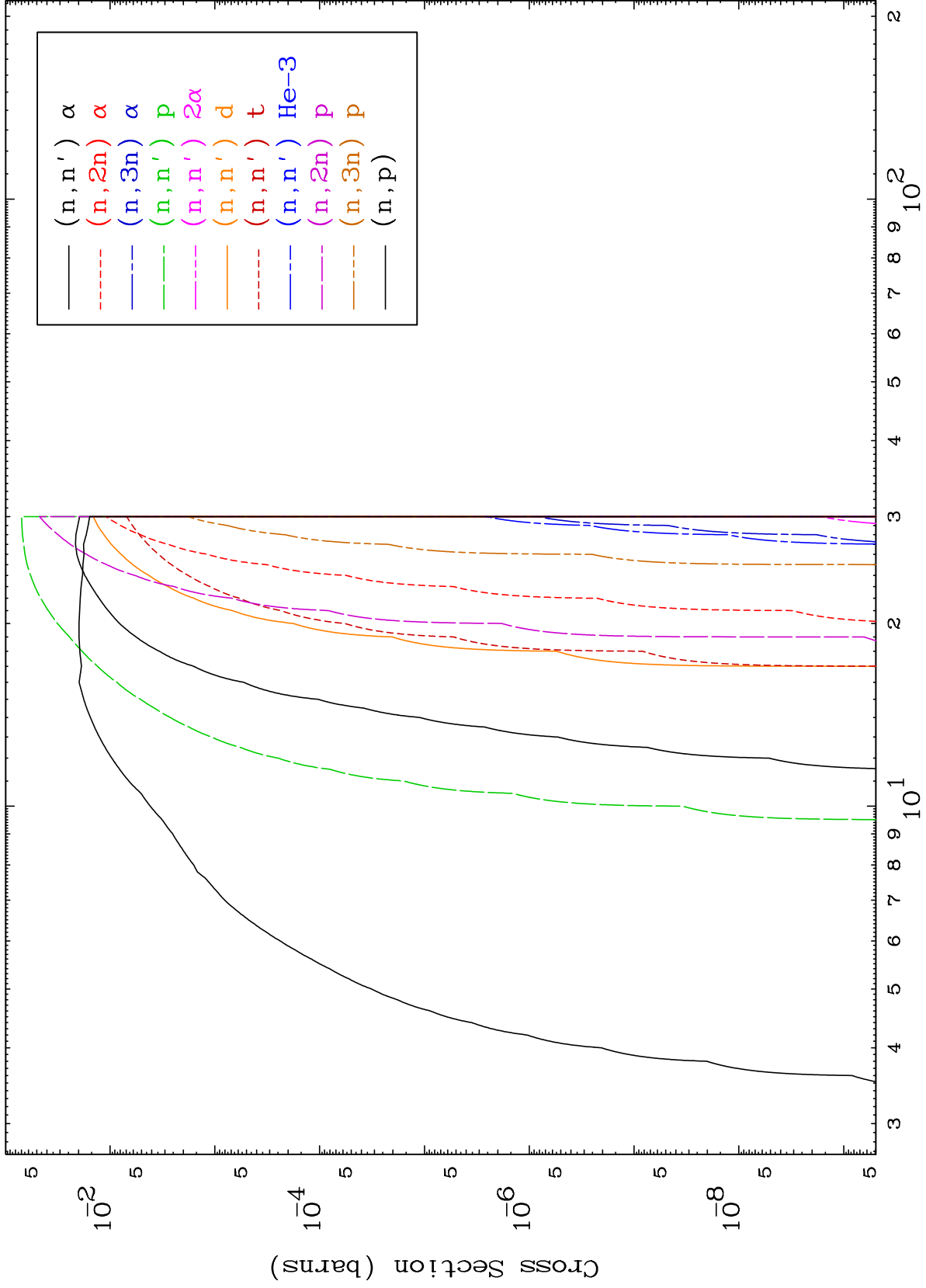




MAT 2937

Charged Particle
293 Kelvin Cross Sections

29-Cu-67



5

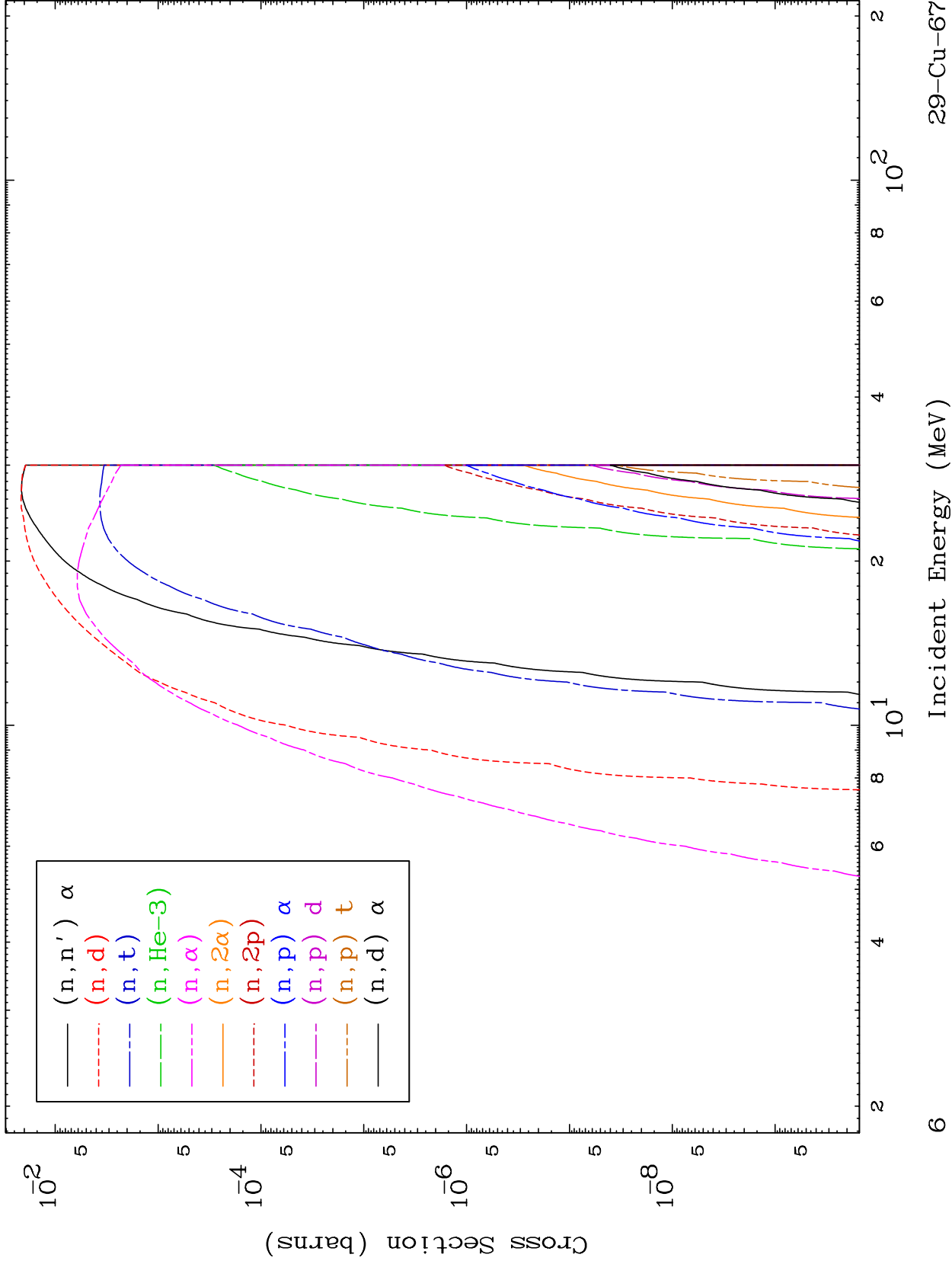
Incident Energy (MeV)

29-Cu-67

MAT 2937

Charged Particle
293 Kelvin Cross Sections

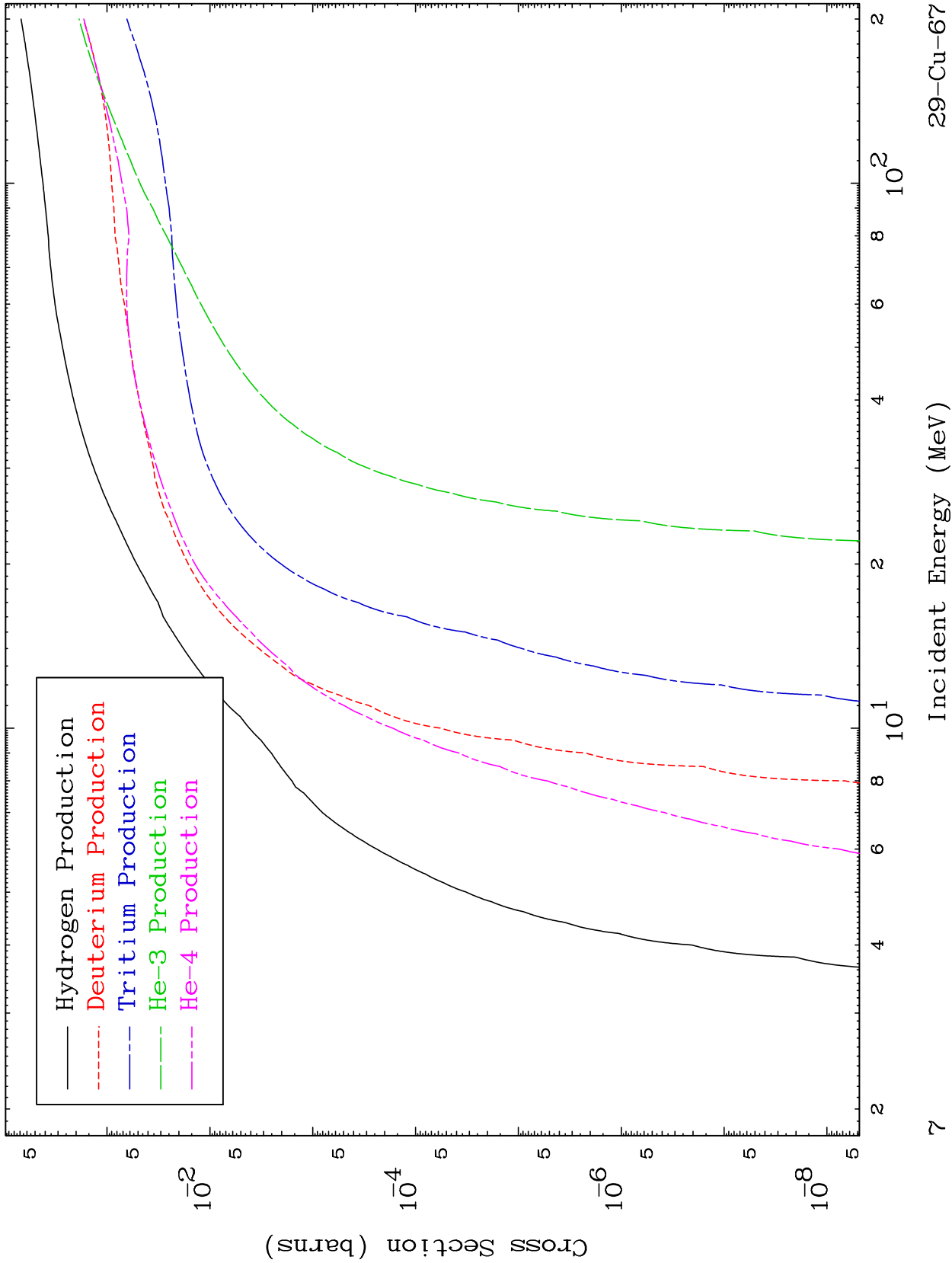
29-Cu-67



MAT 2937

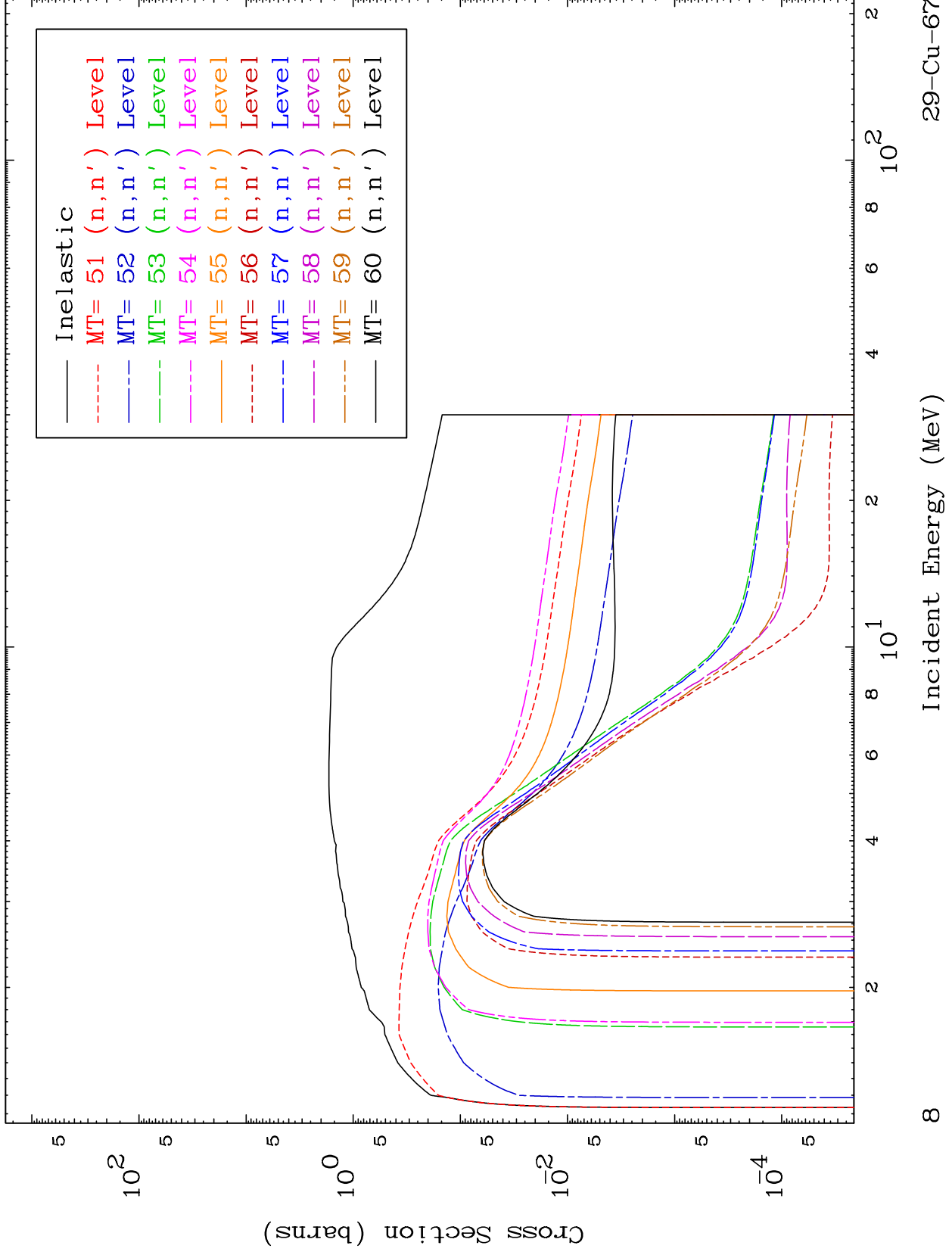
Particle Production
293 Kelvin Cross Sections

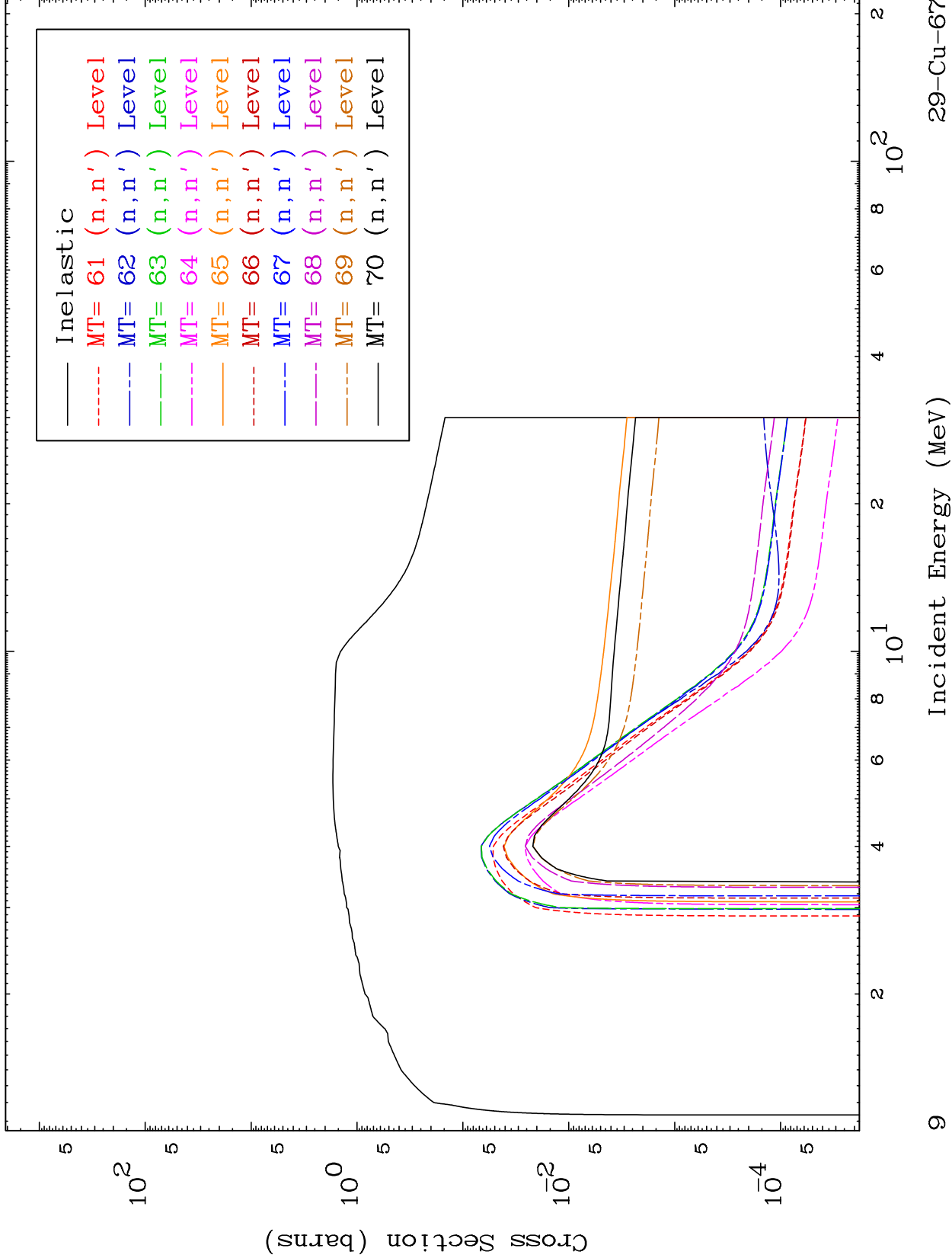
29-Cu-67



7

29-Cu-67

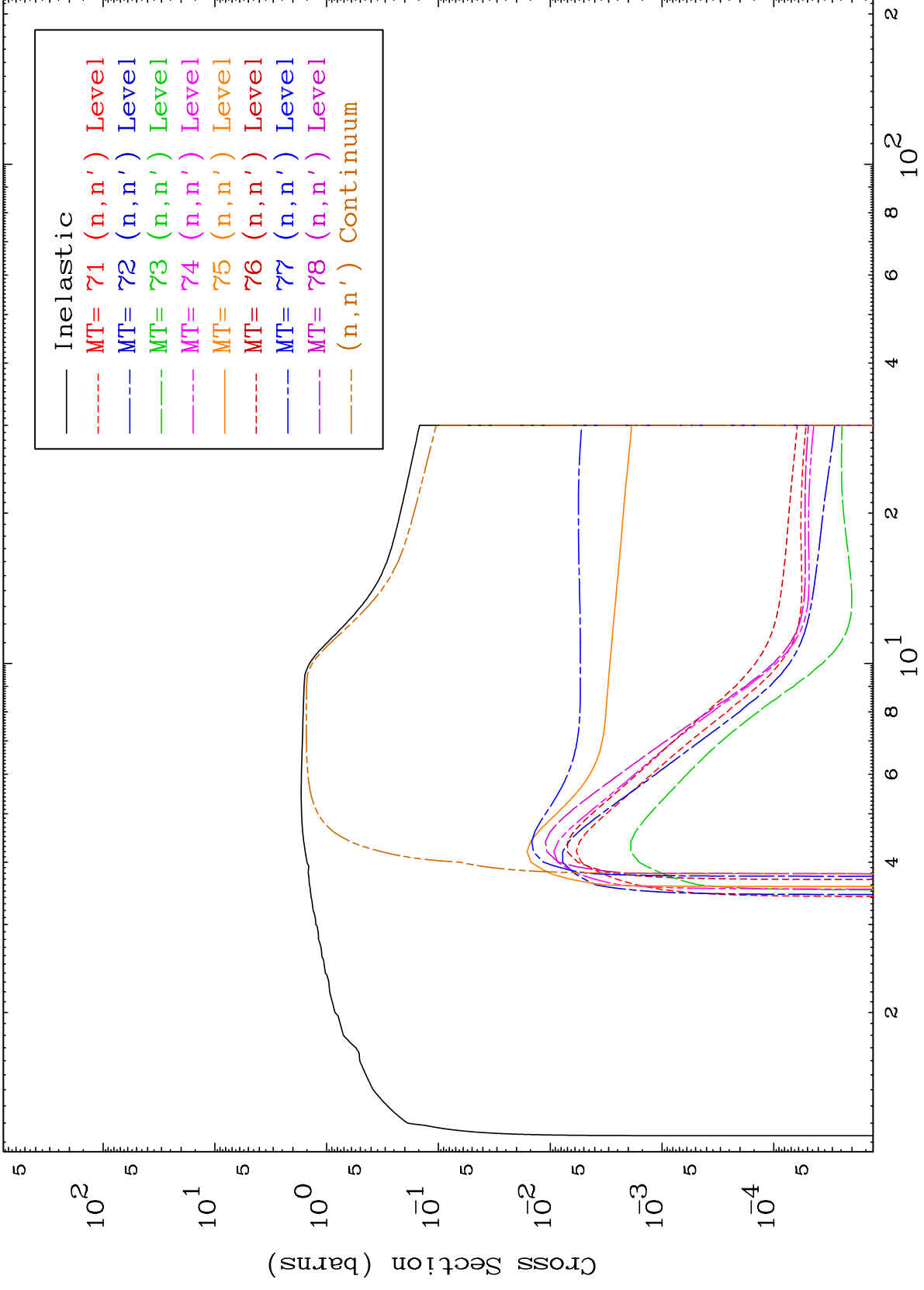




MAT 2937

(n,n') Levels
293 Kelvin Cross Sections

29-Cu-67



10

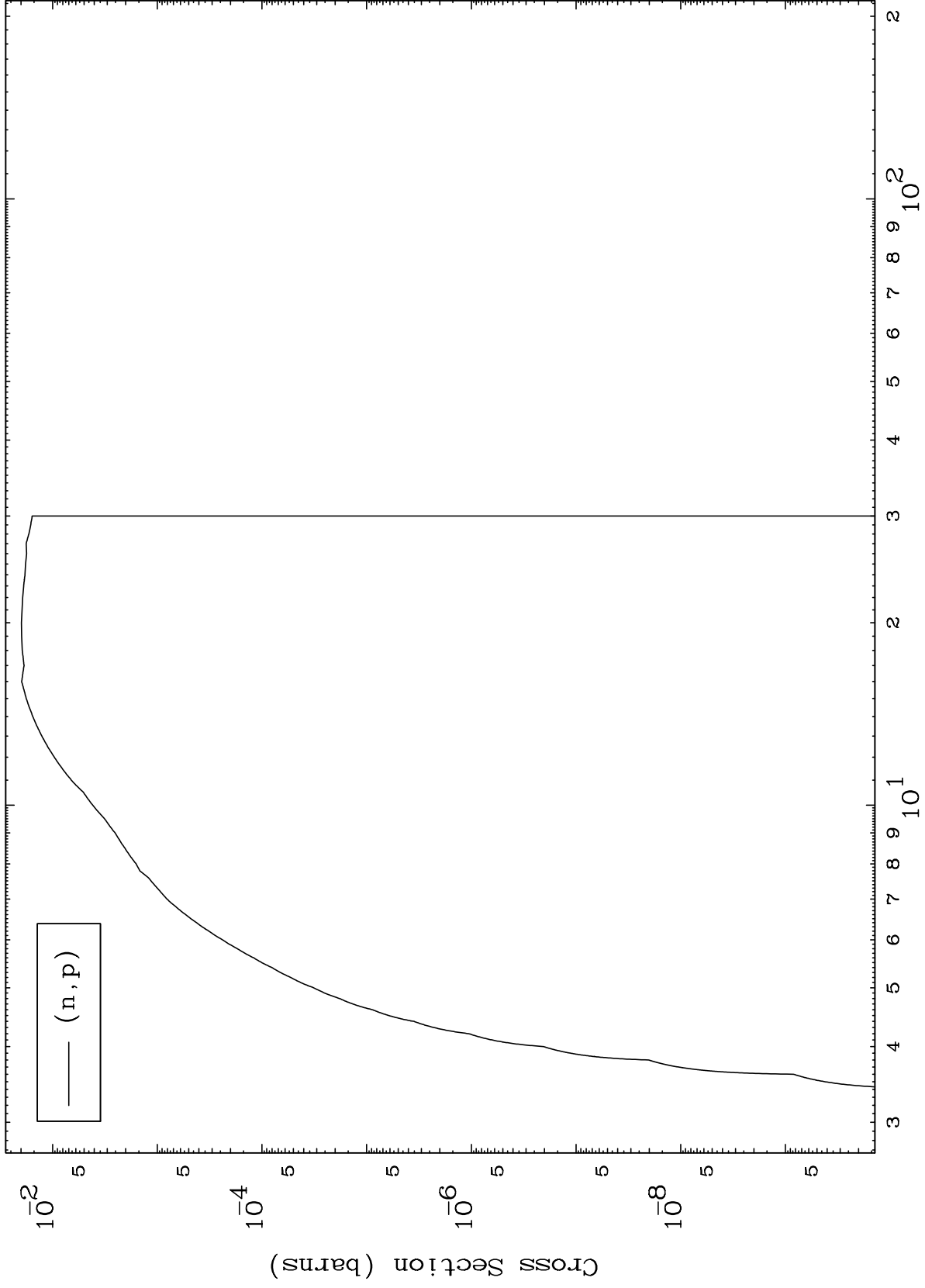
Incident Energy (MeV)

29-Cu-67

MAT 2937

(n,p) Levels
293 Kelvin Cross Sections

29-Cu-67



11

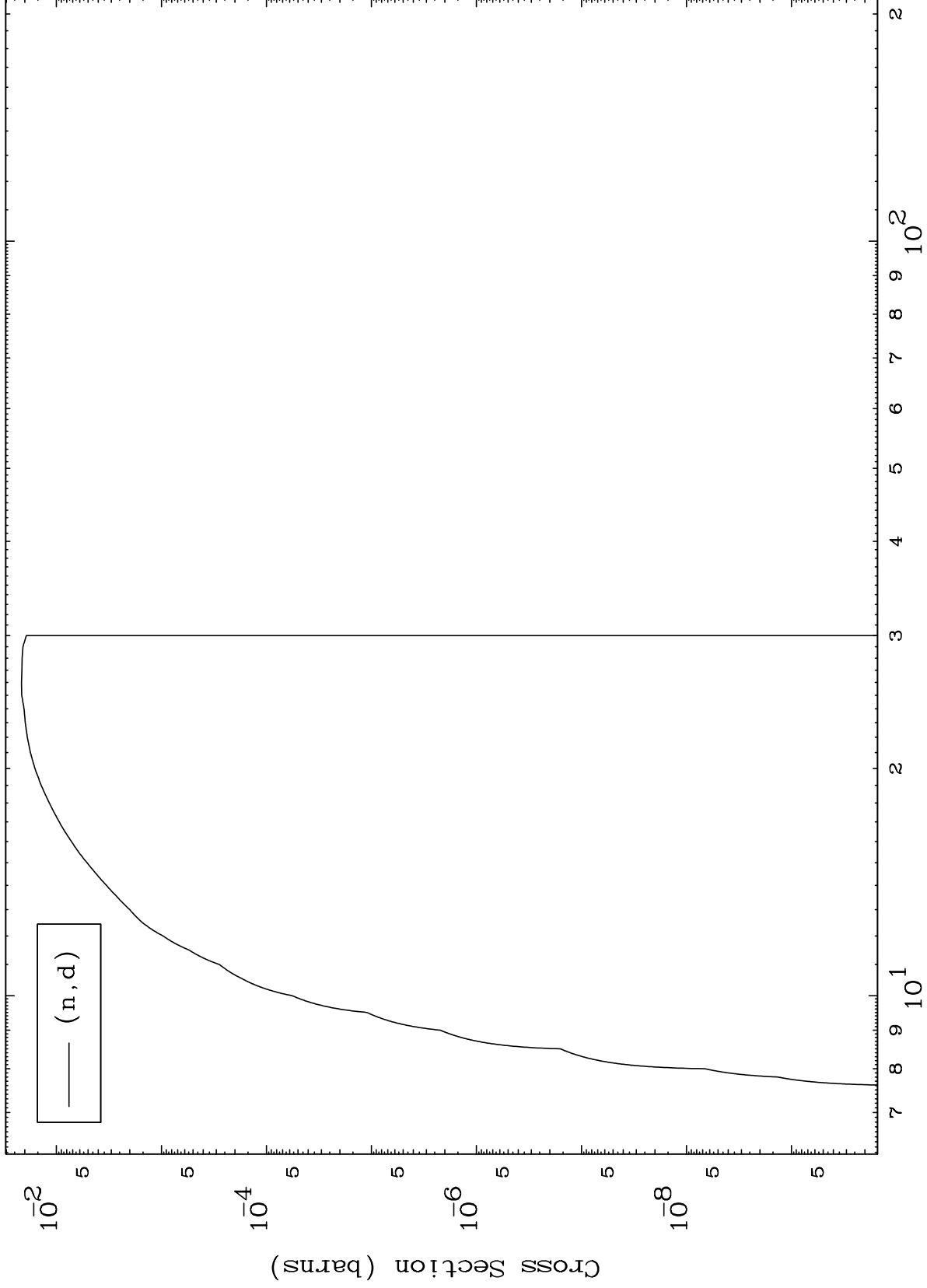
Incident Energy (MeV)

29-Cu-67

MAT 2937

(n,d) Levels
293 Kelvin Cross Sections

29-Cu-67



12

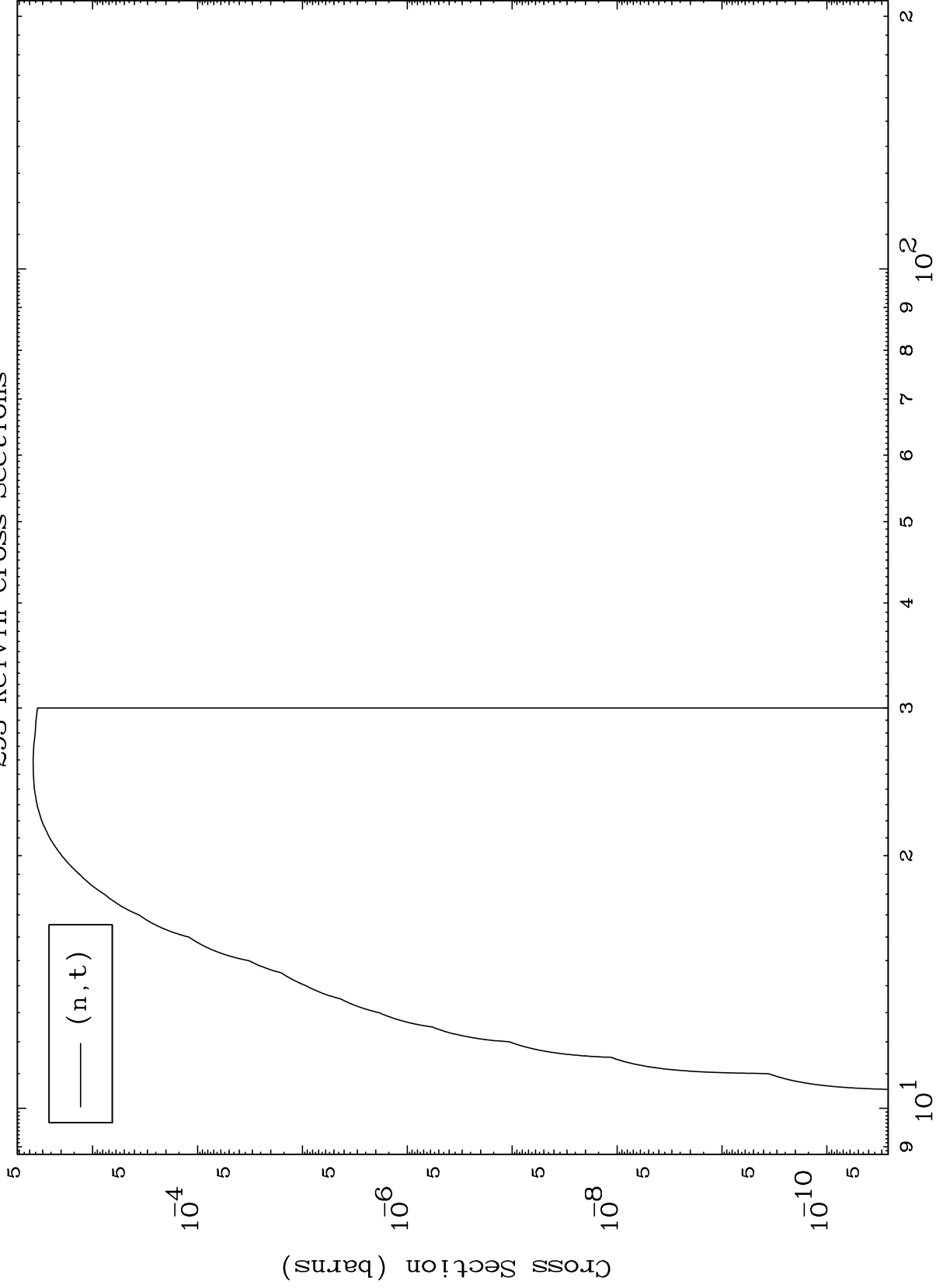
Incident Energy (MeV)

29-Cu-67

MAT 2937

(n,t) Levels
293 Kelvin Cross Sections

29-Cu-67



Incident Energy (MeV)

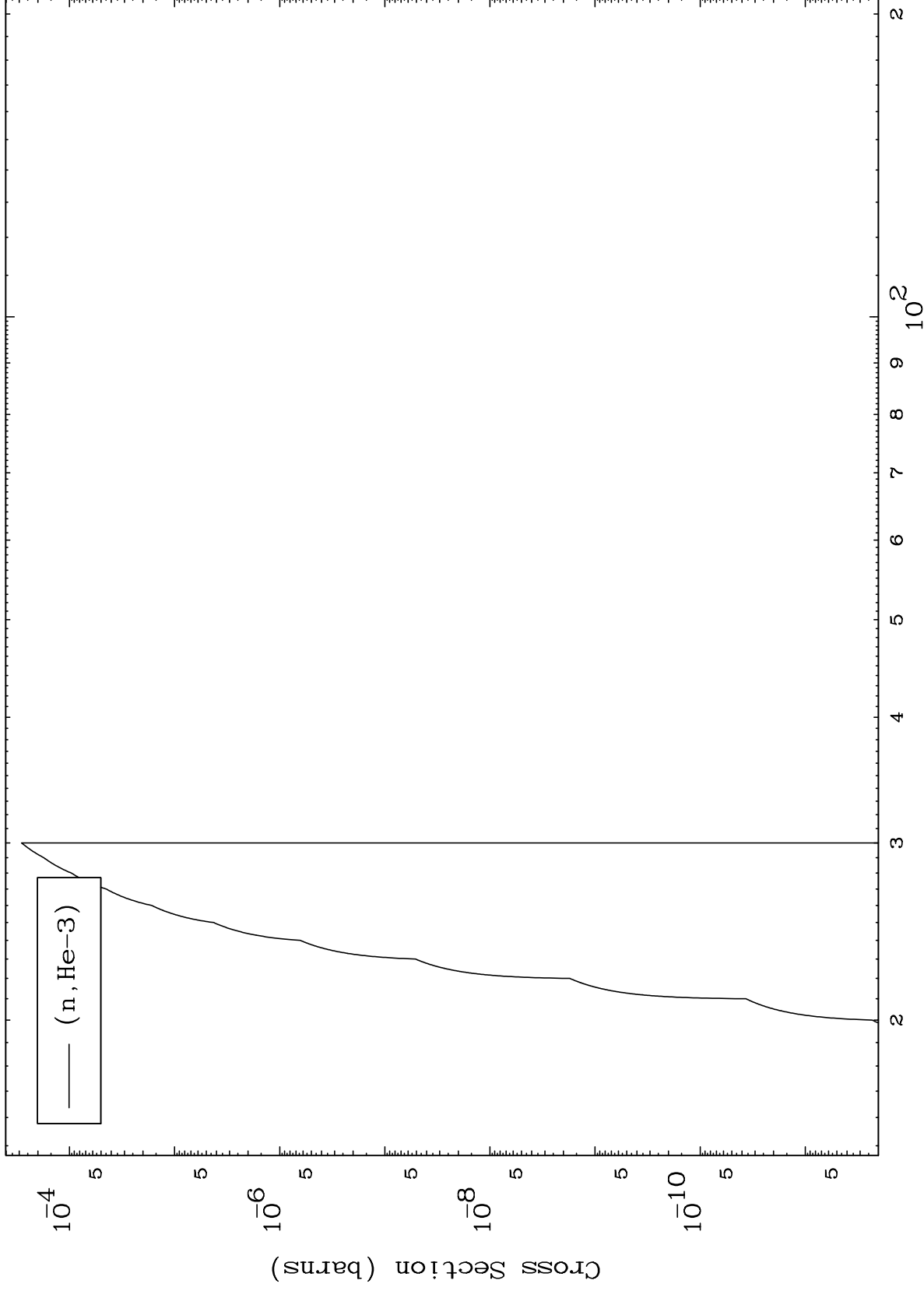
29-Cu-67

13

MAT 2937

(n,He3) Levels
293 Kelvin Cross Sections

29-Cu-67



14

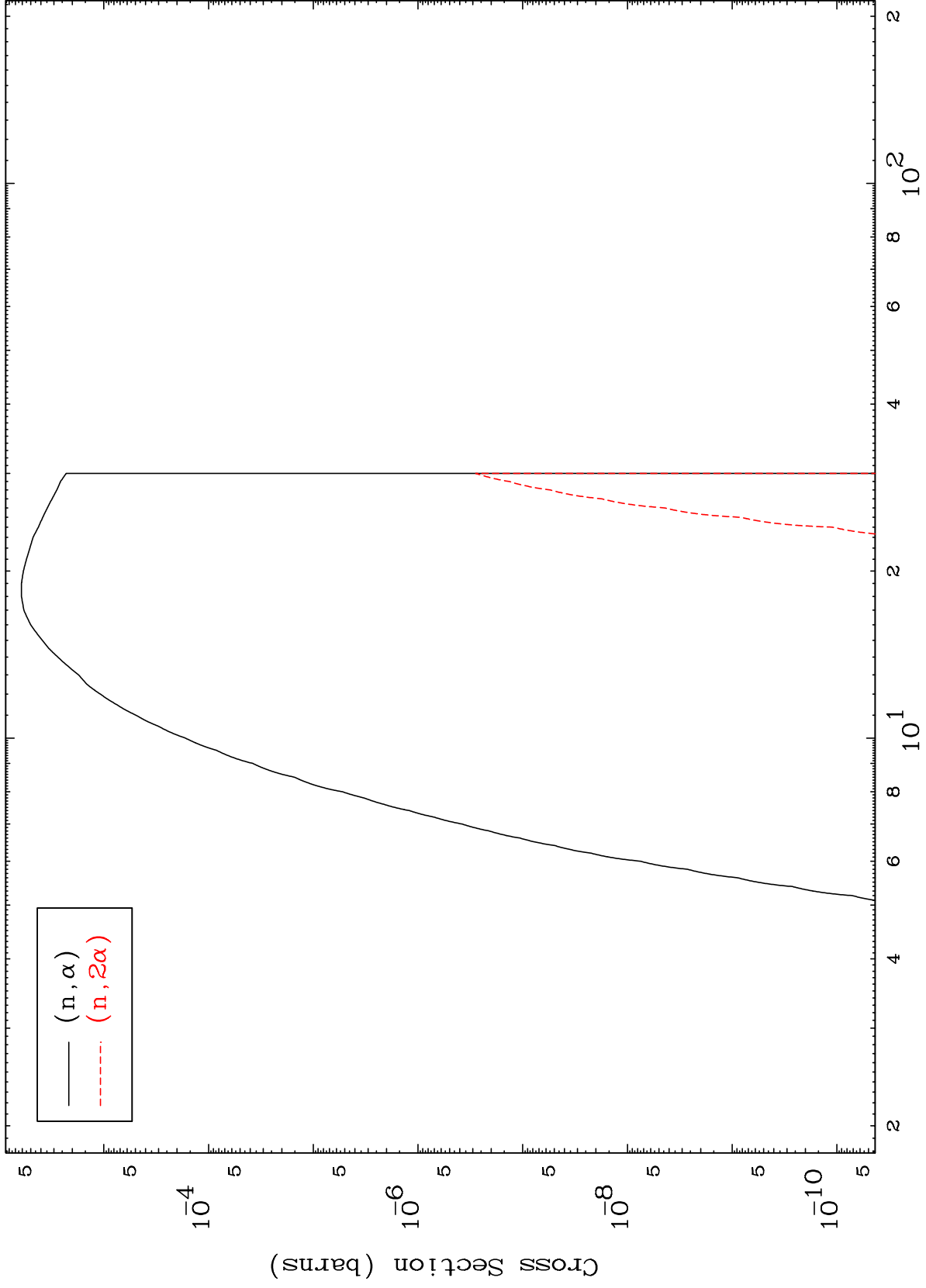
Incident Energy (MeV)

29-Cu-67

MAT 2937

(n, α) Levels
293 Kelvin Cross Sections

29-Cu-67



15

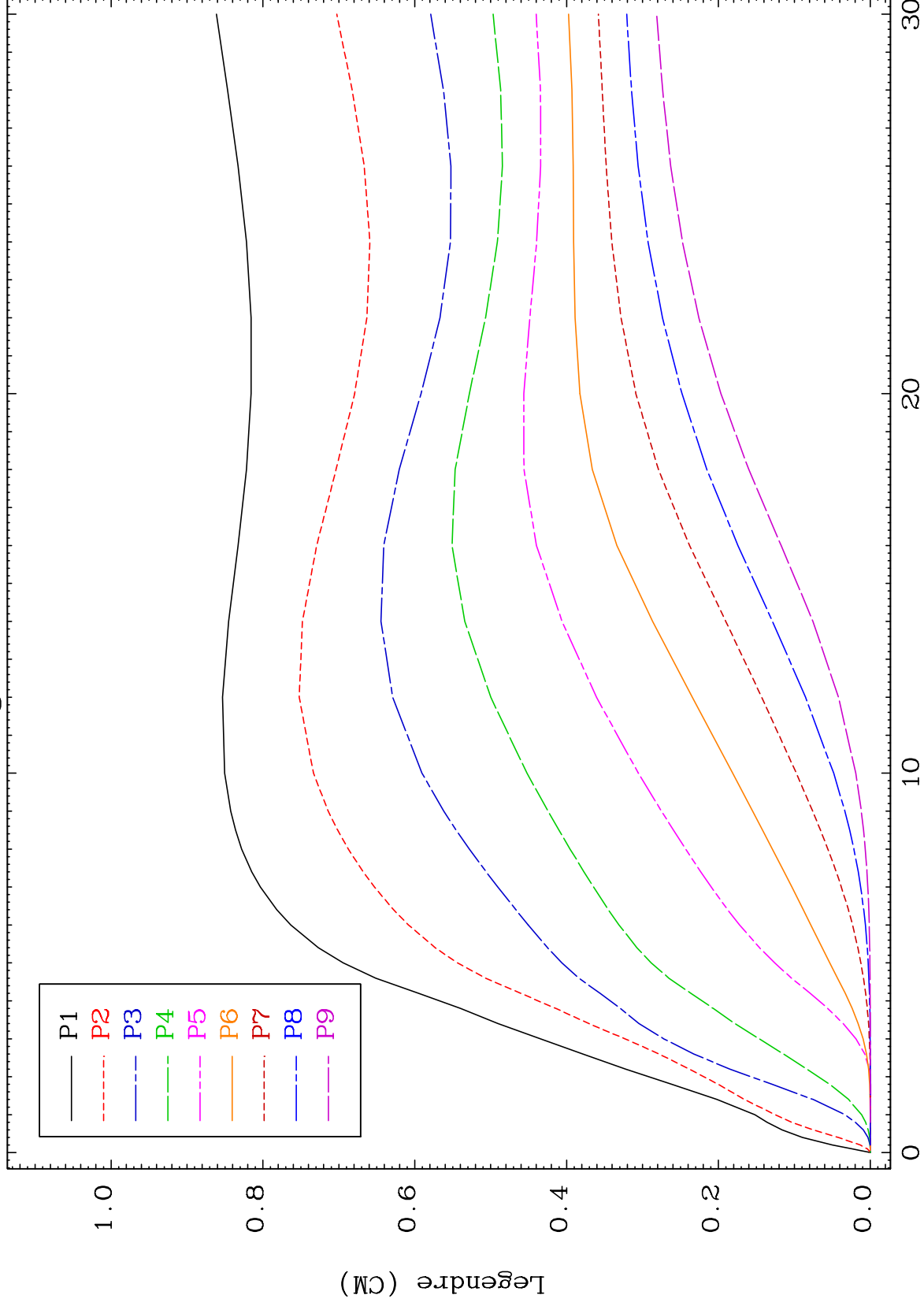
Incident Energy (MeV)

29-Cu-67

MAT 2937

Elastic Legendre Coefficients

²⁹Cu-67



16

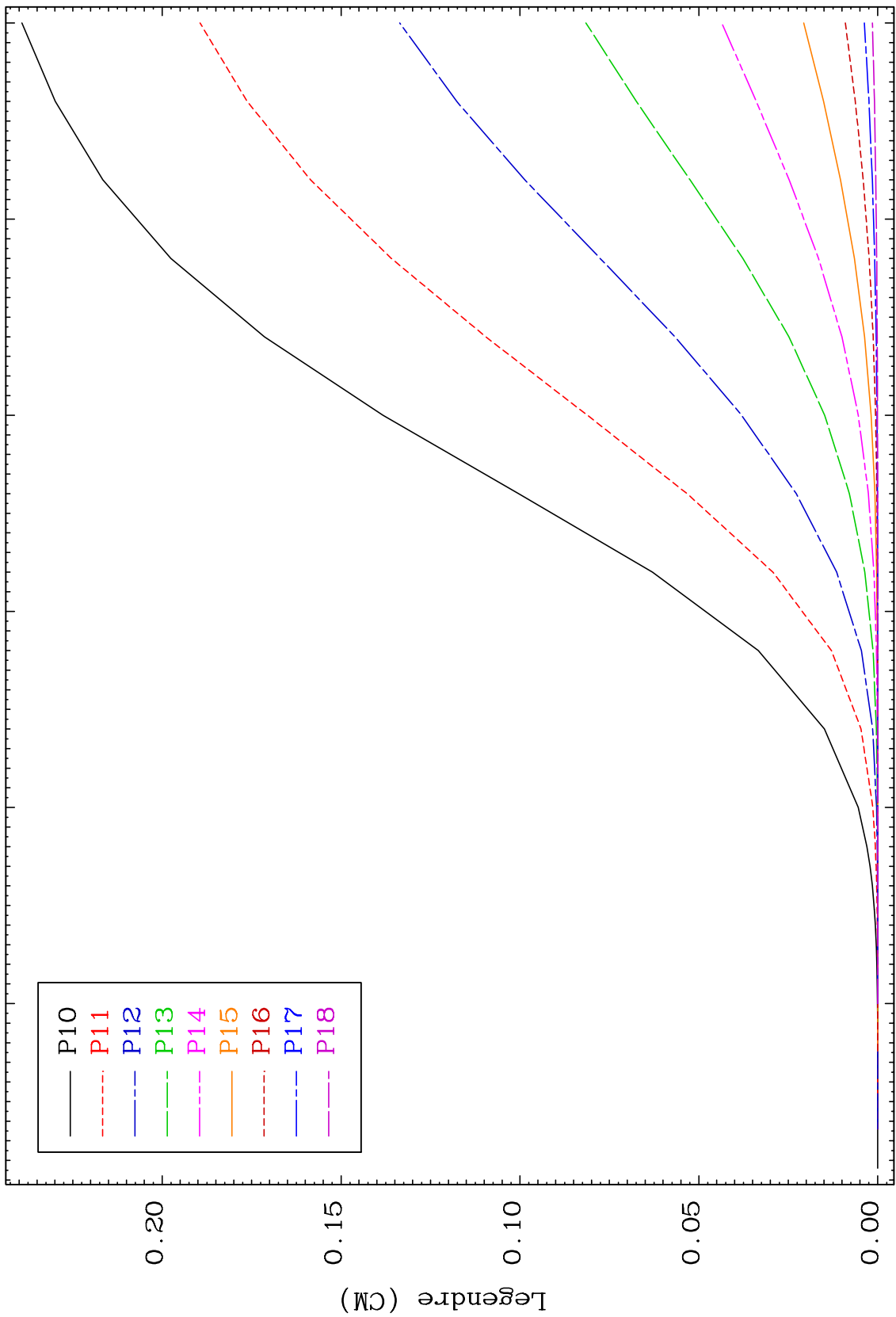
Incident Energy (MeV)

²⁹Cu-67

MAT 2937

Elastic Legendre Coefficients

29-Cu-67



17

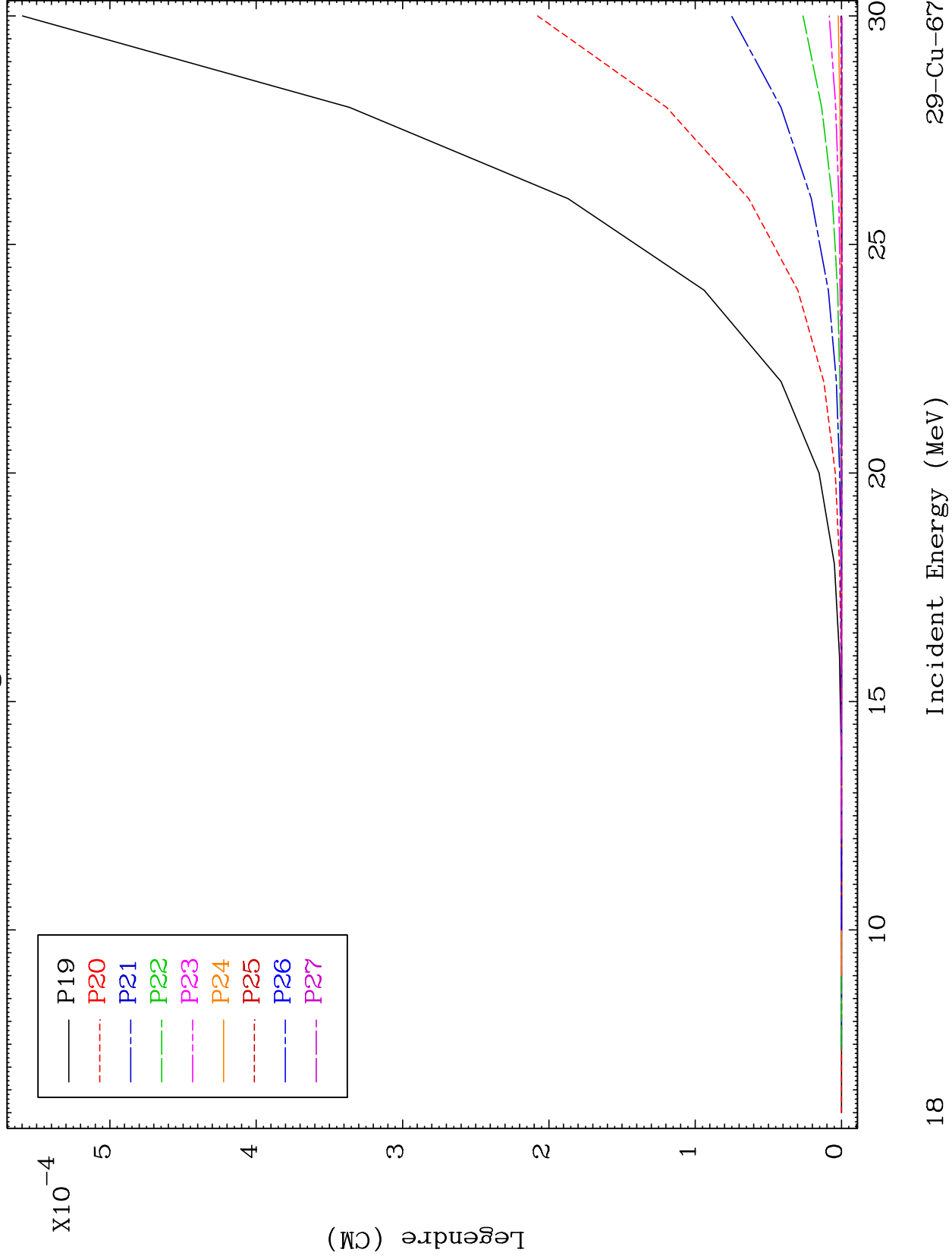
29-Cu-67

Incident Energy (MeV)

MAT 2937

Elastic Legendre Coefficients

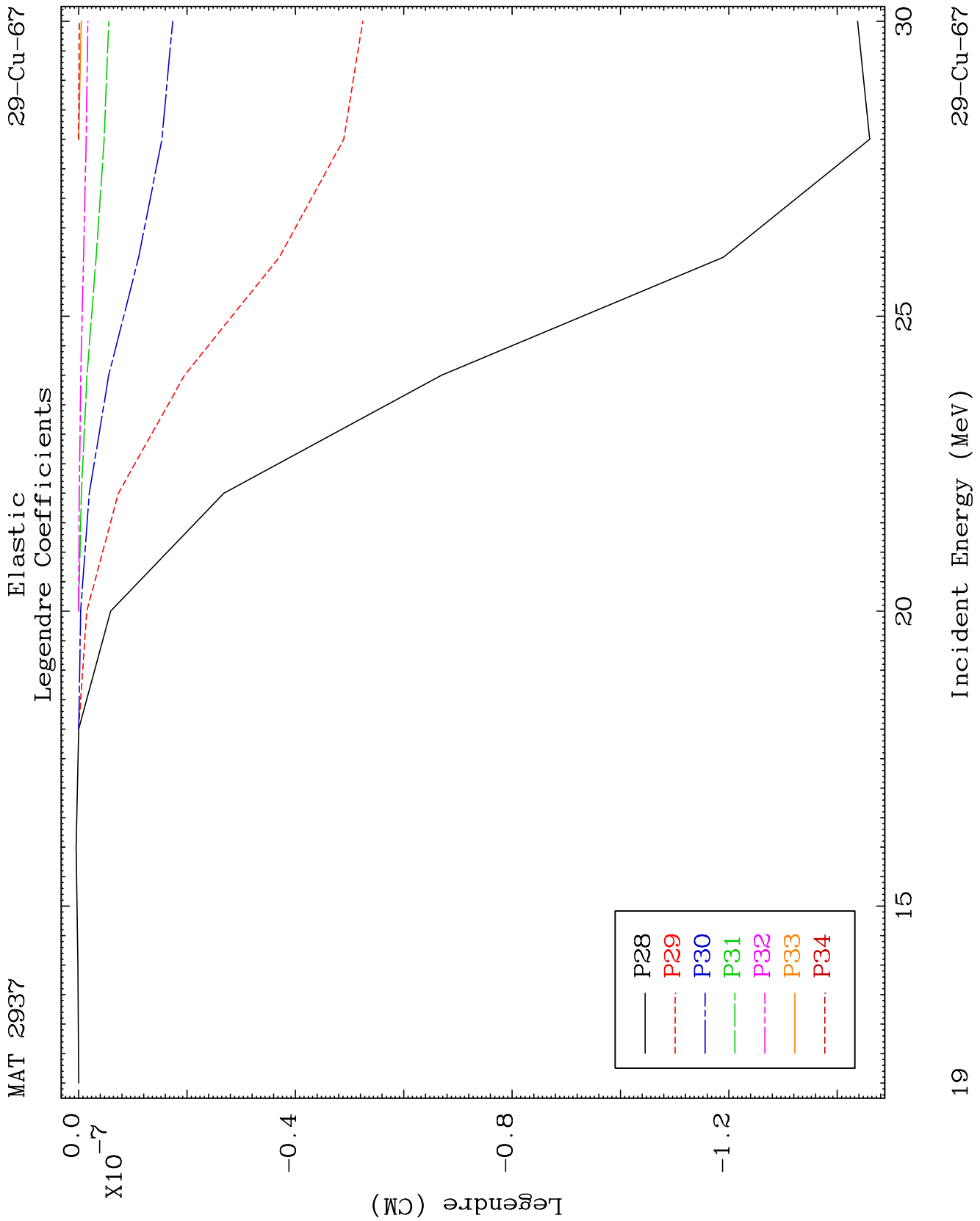
29-Cu-67

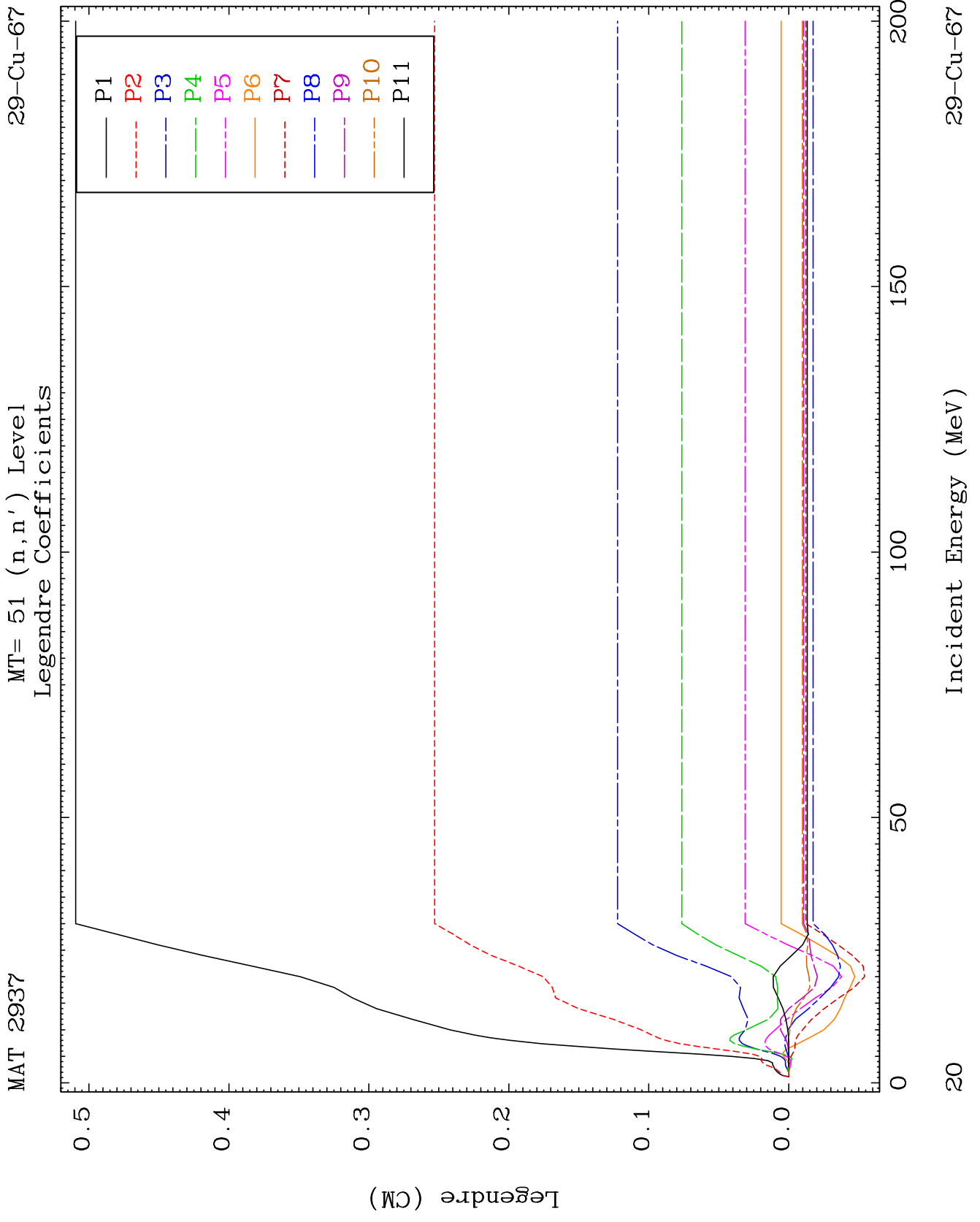


18

Incident Energy (MeV)

29-Cu-67

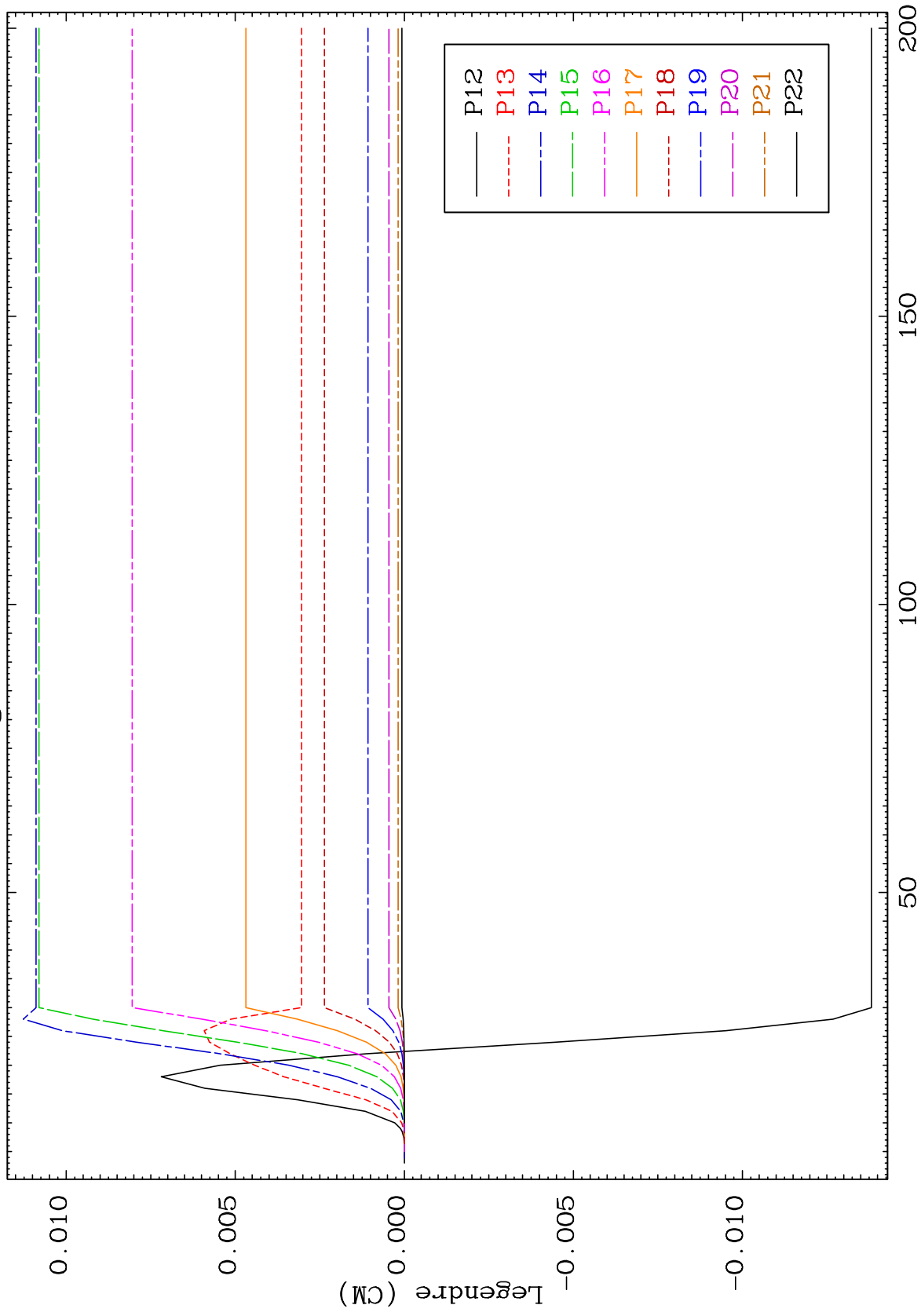




MAT 2937

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

29-Cu-67



21

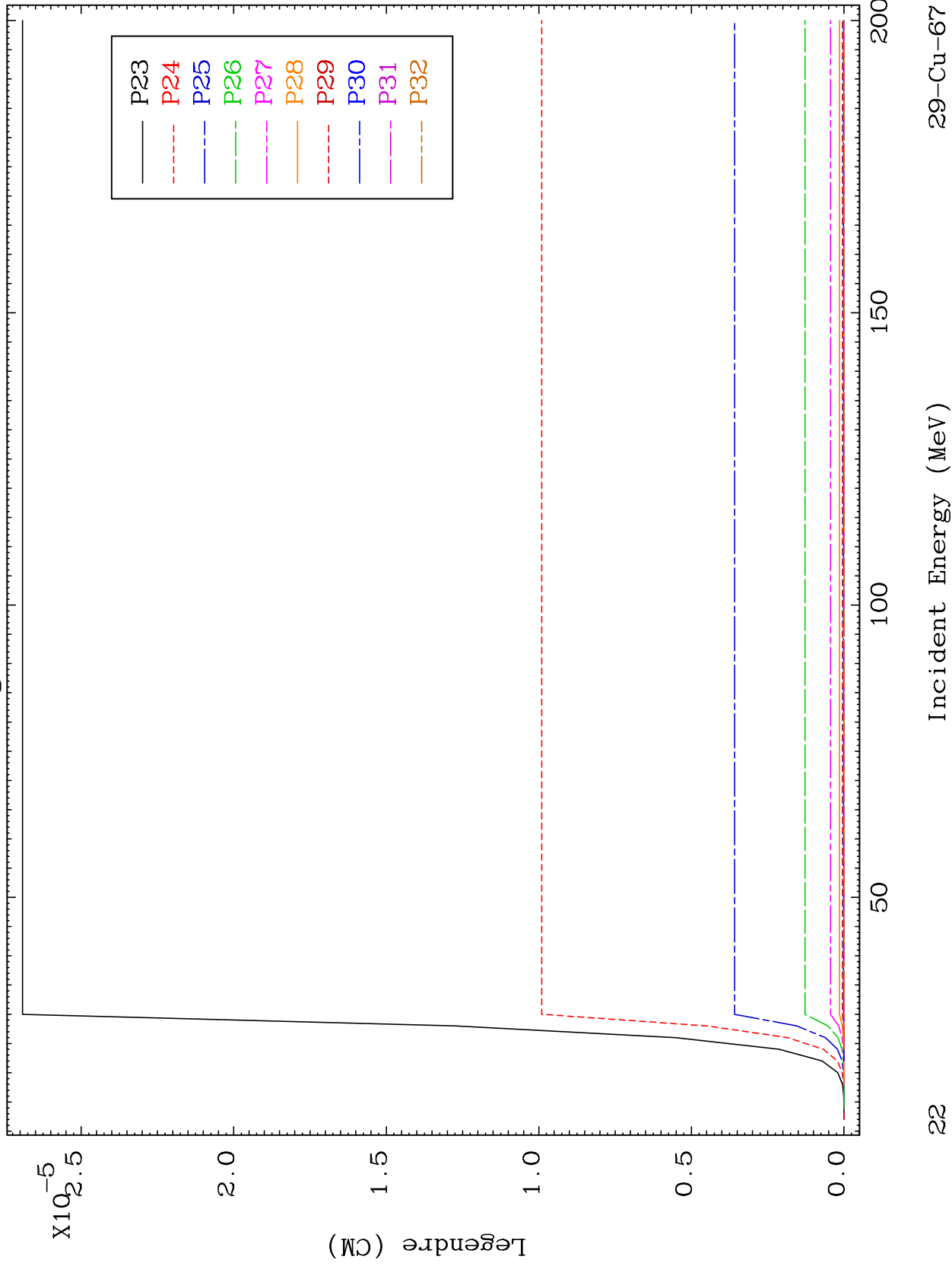
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



22

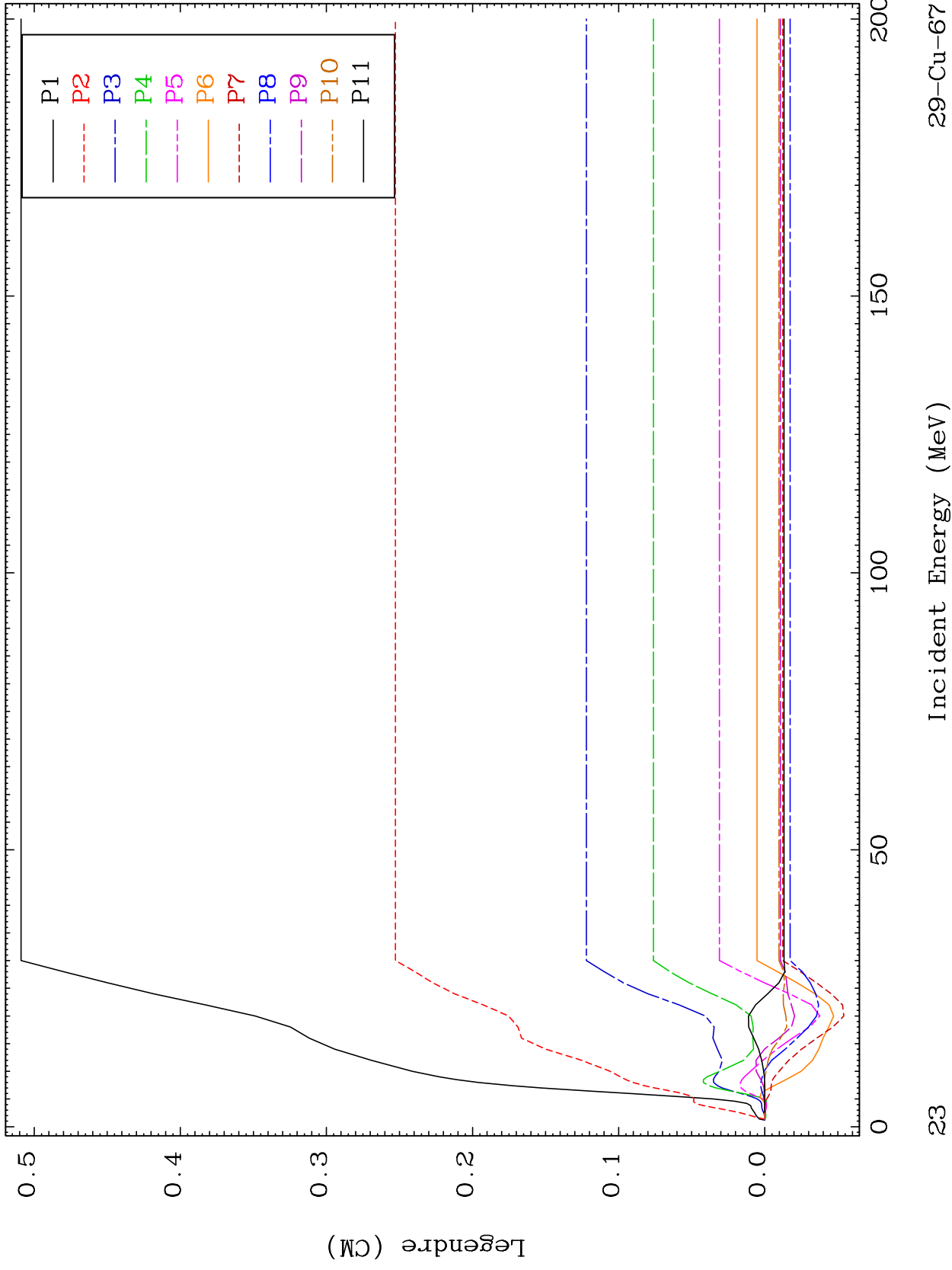
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

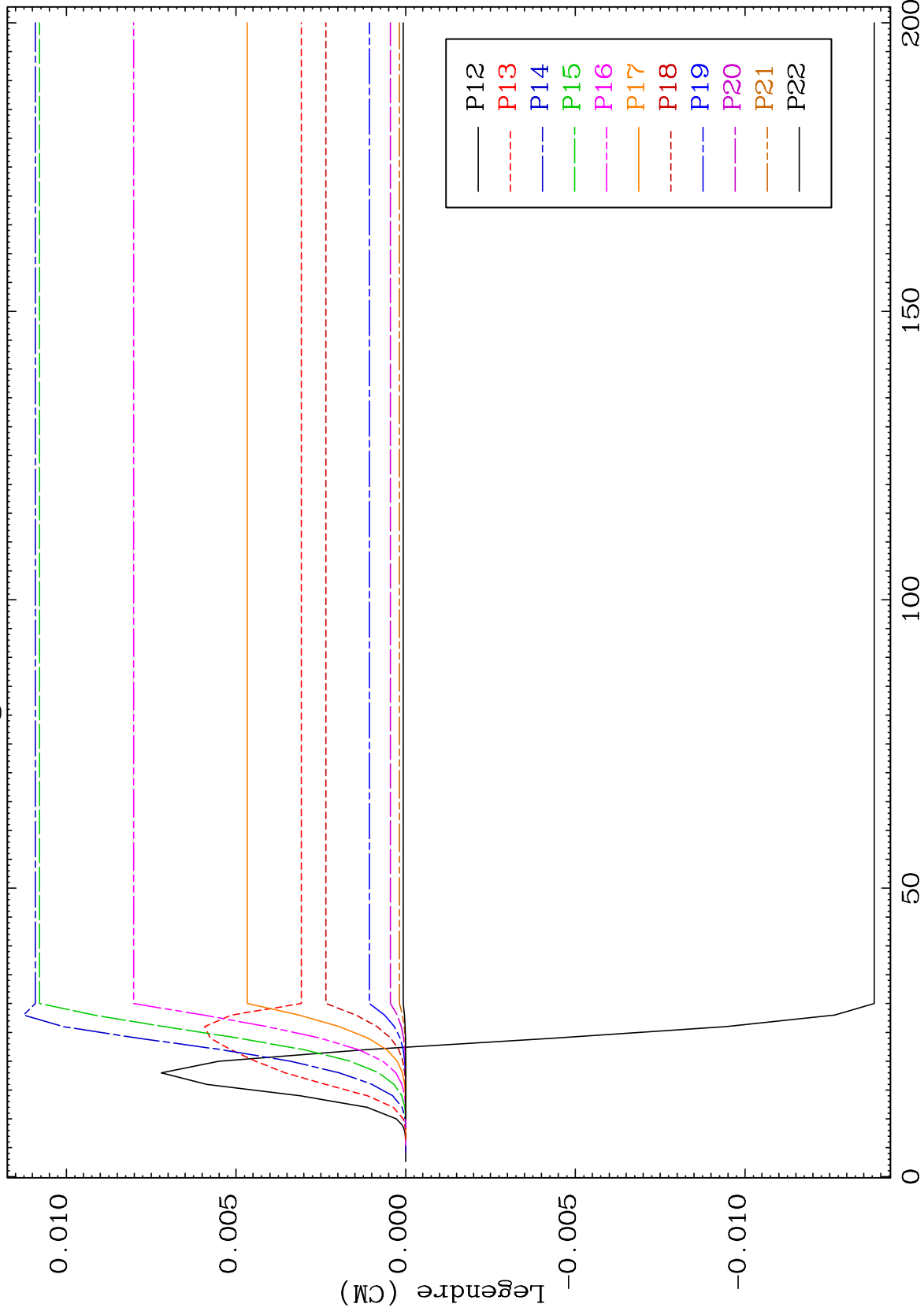
29-Cu-67



MAT 2937

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

29-Cu-67



24

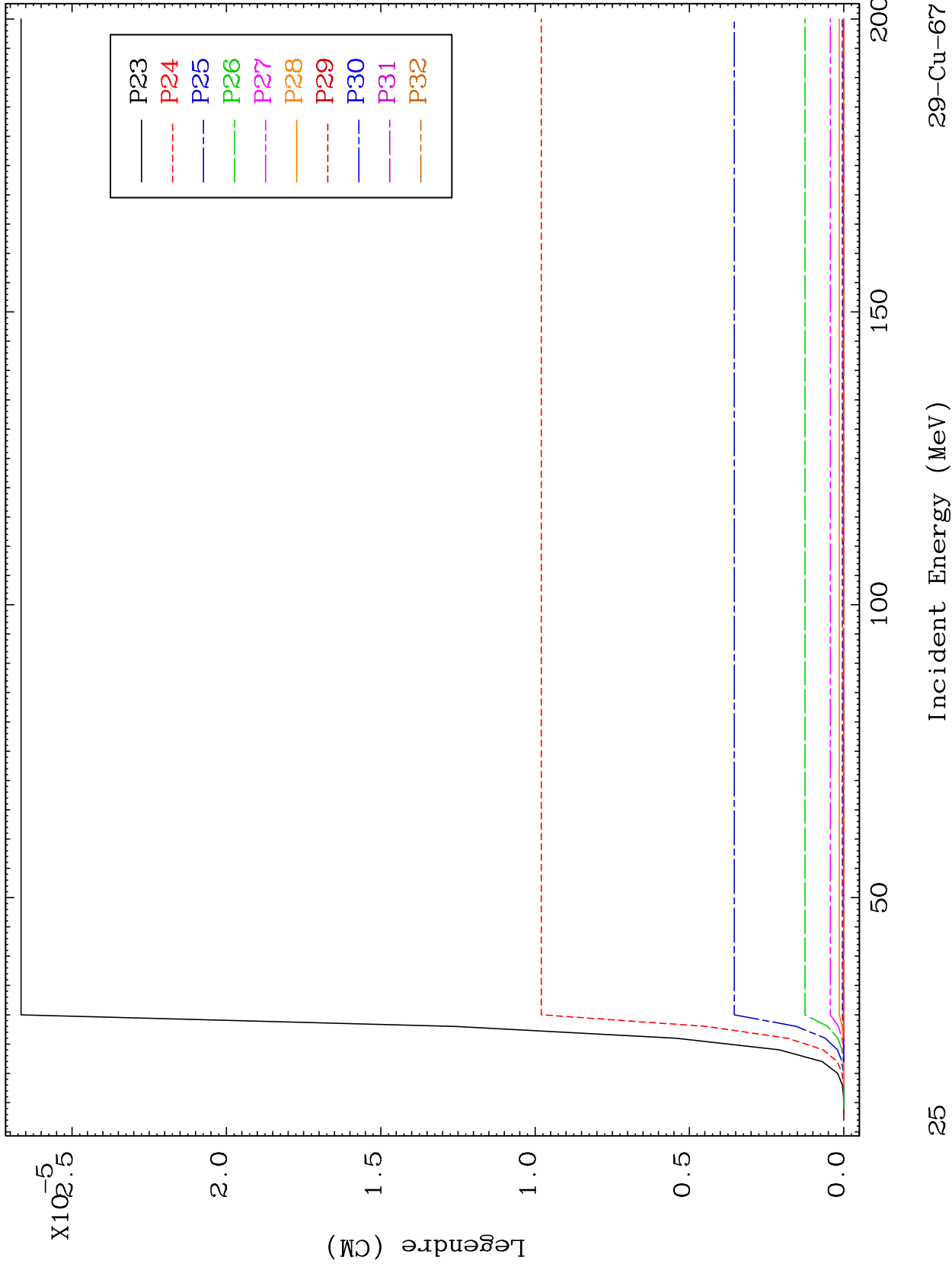
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



25

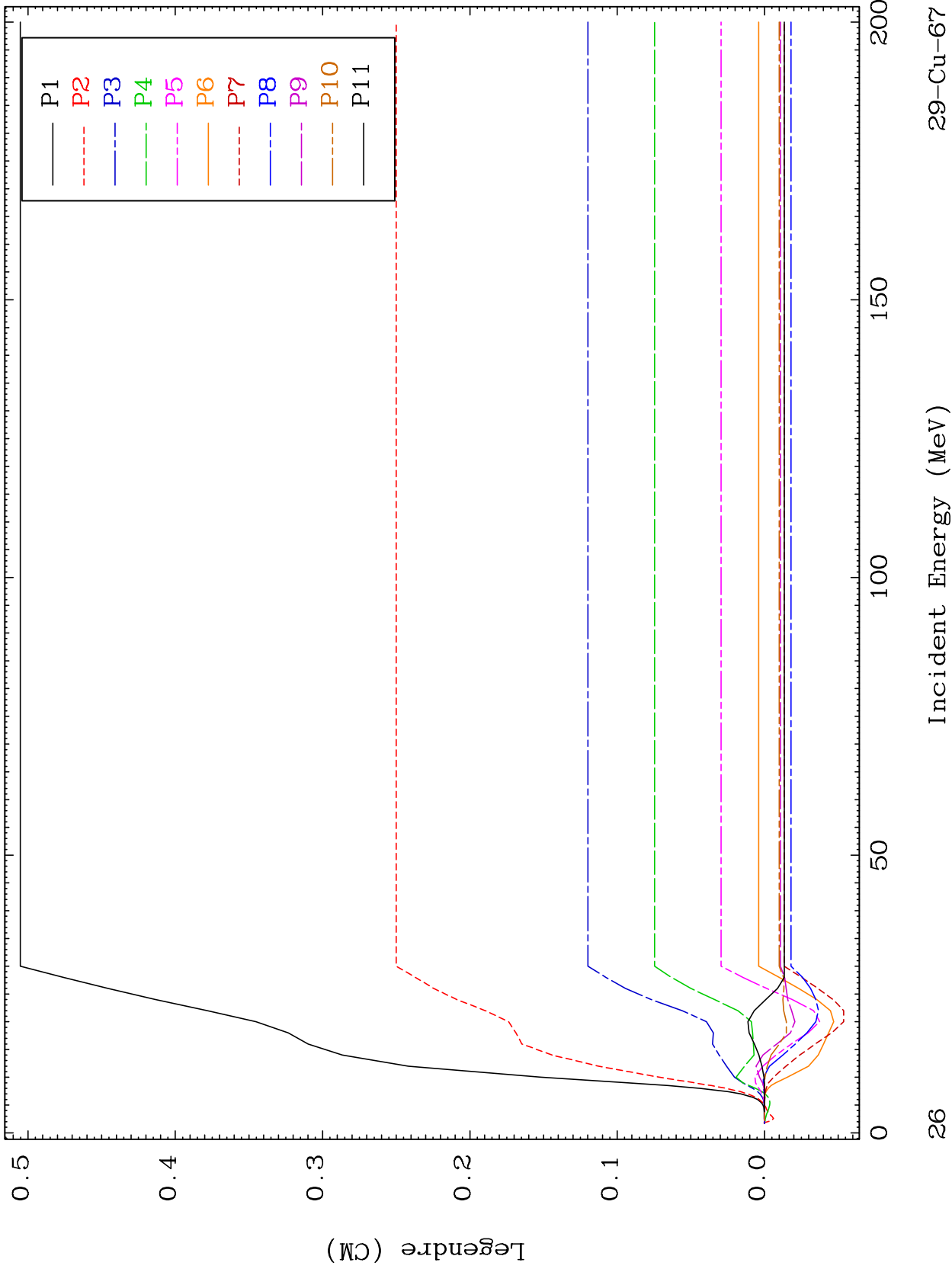
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



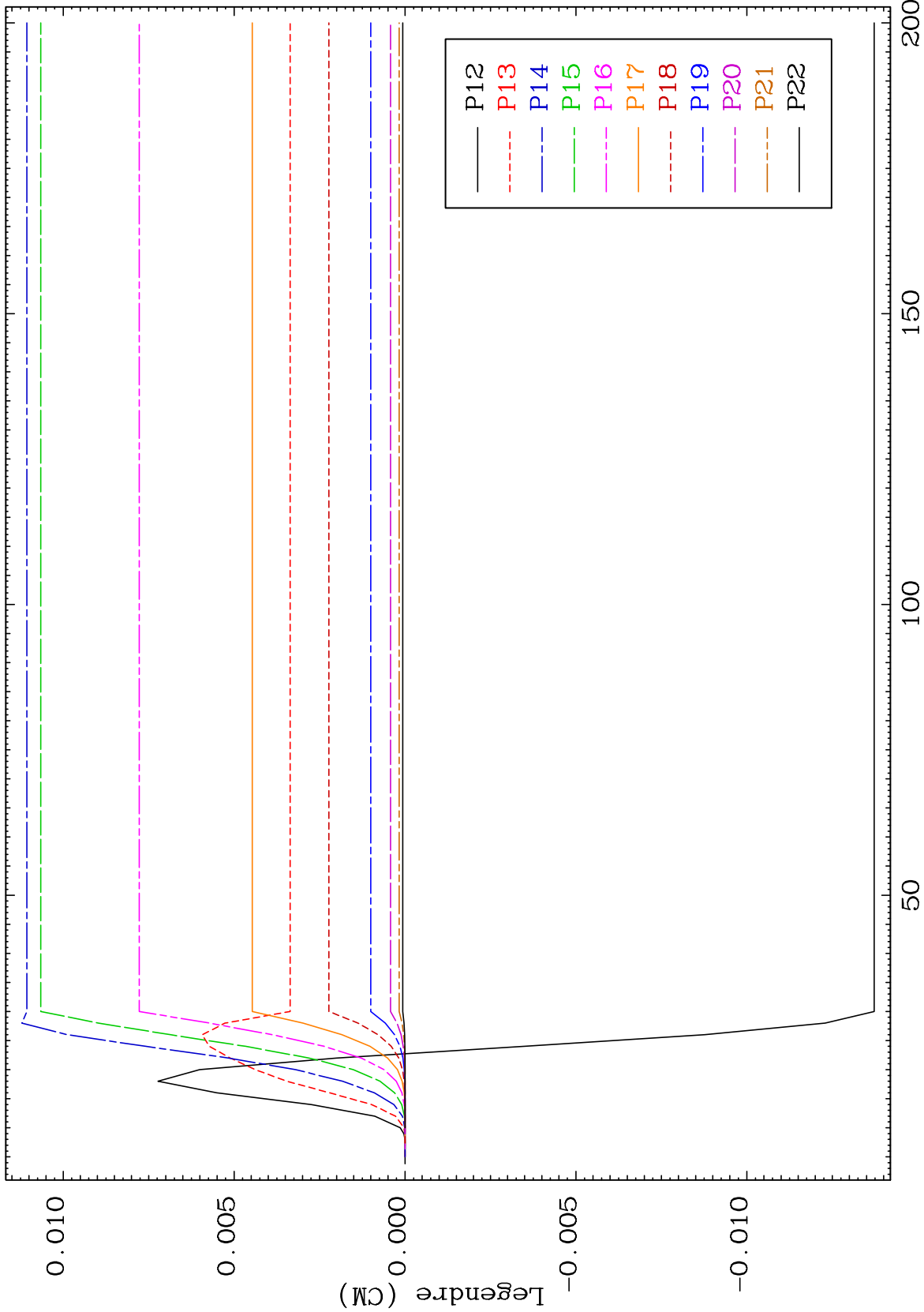
26

29-Cu-67

MAT 2937

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

29-Cu-67



27

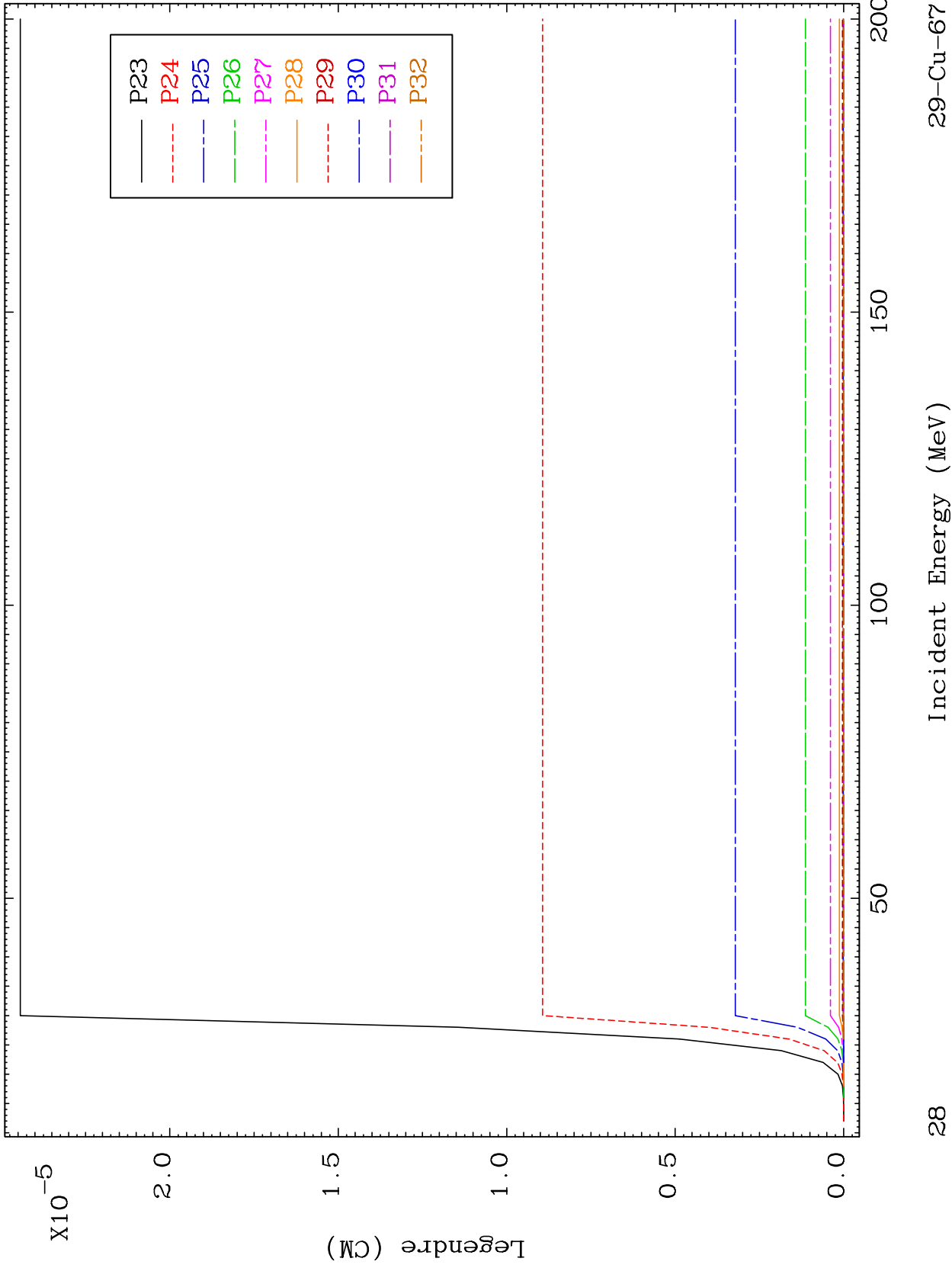
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

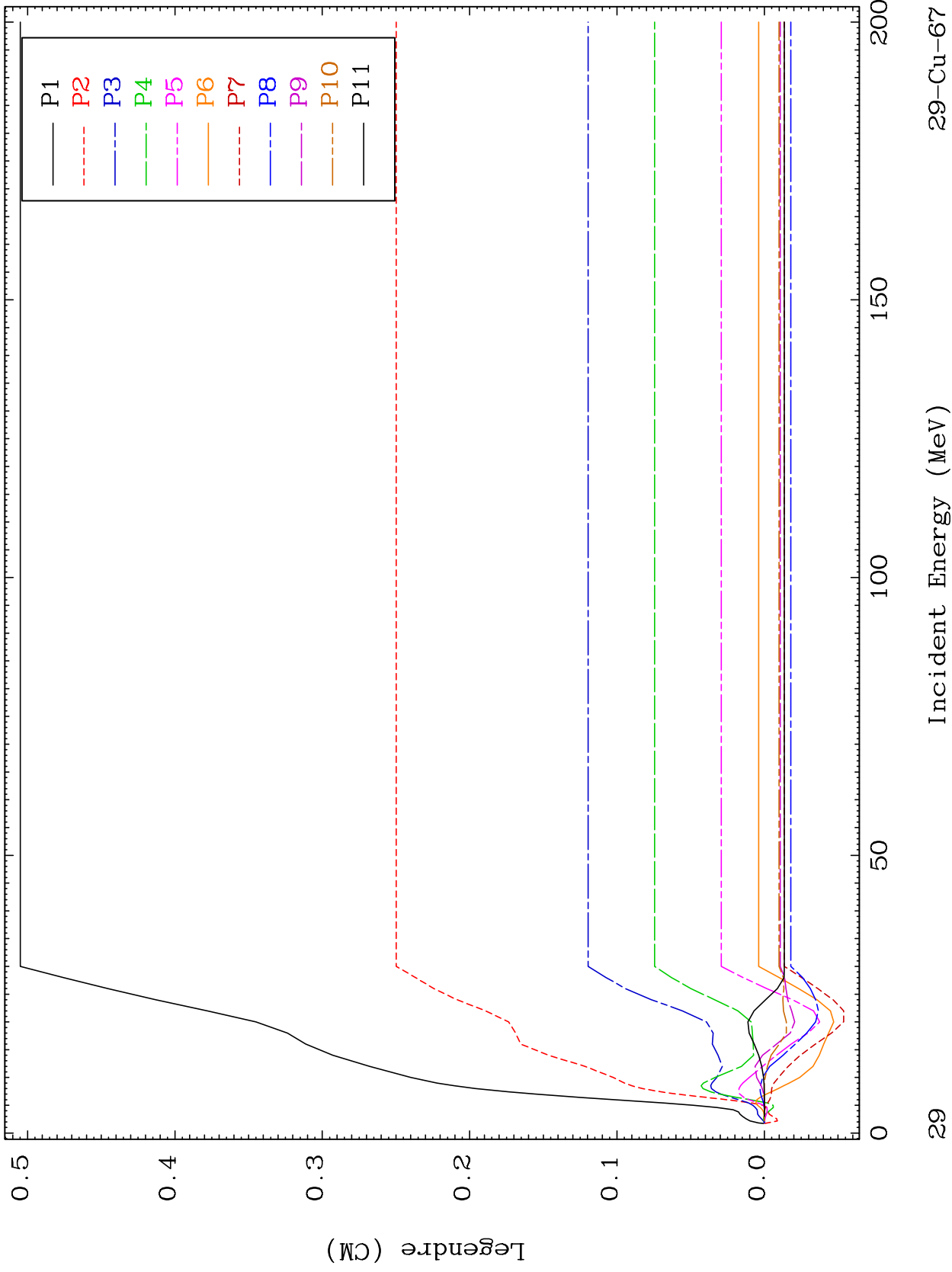
29-Cu-67



MAT 2937

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

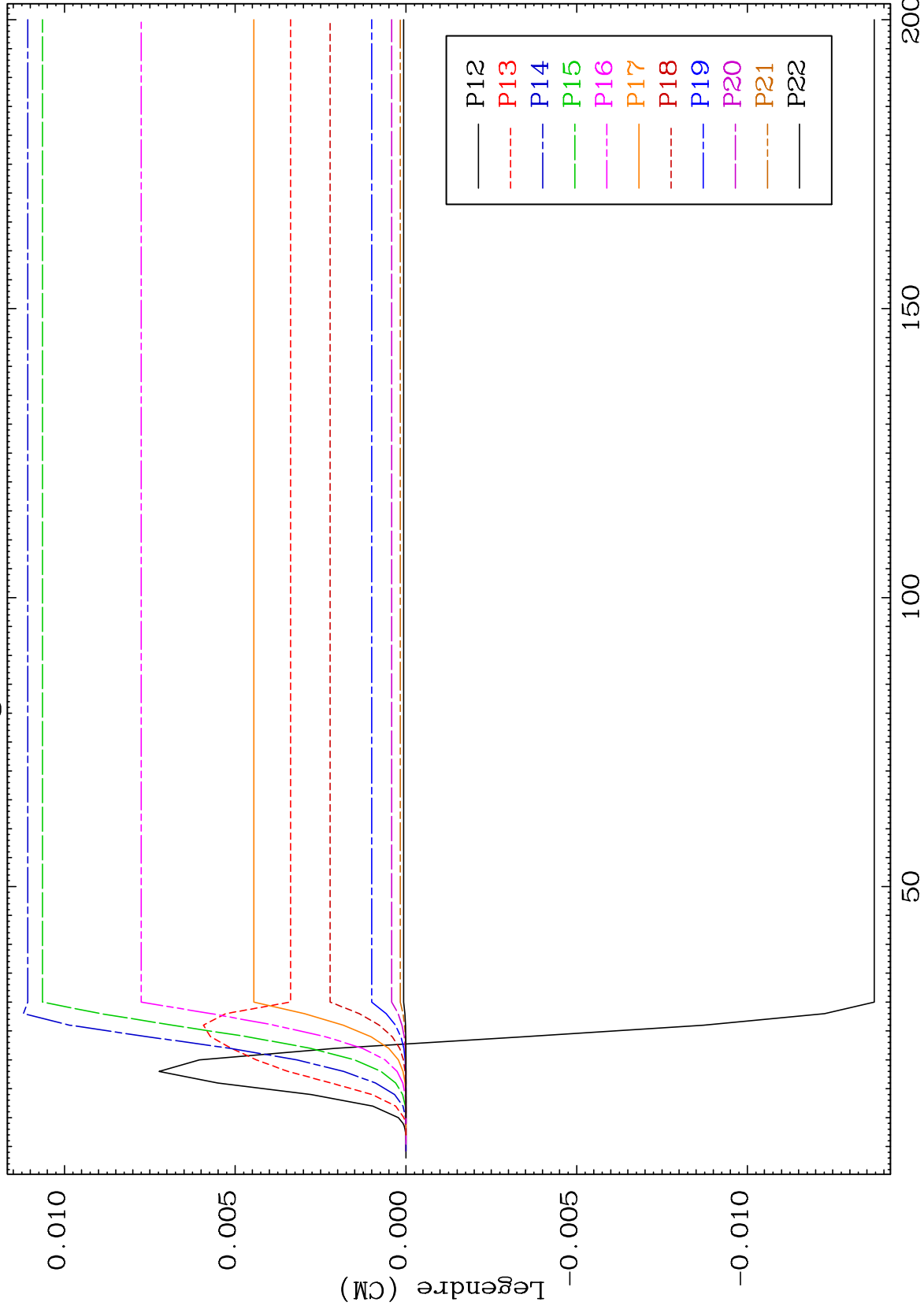
29-Cu-67



MAT 2937

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

29-Cu-67



30

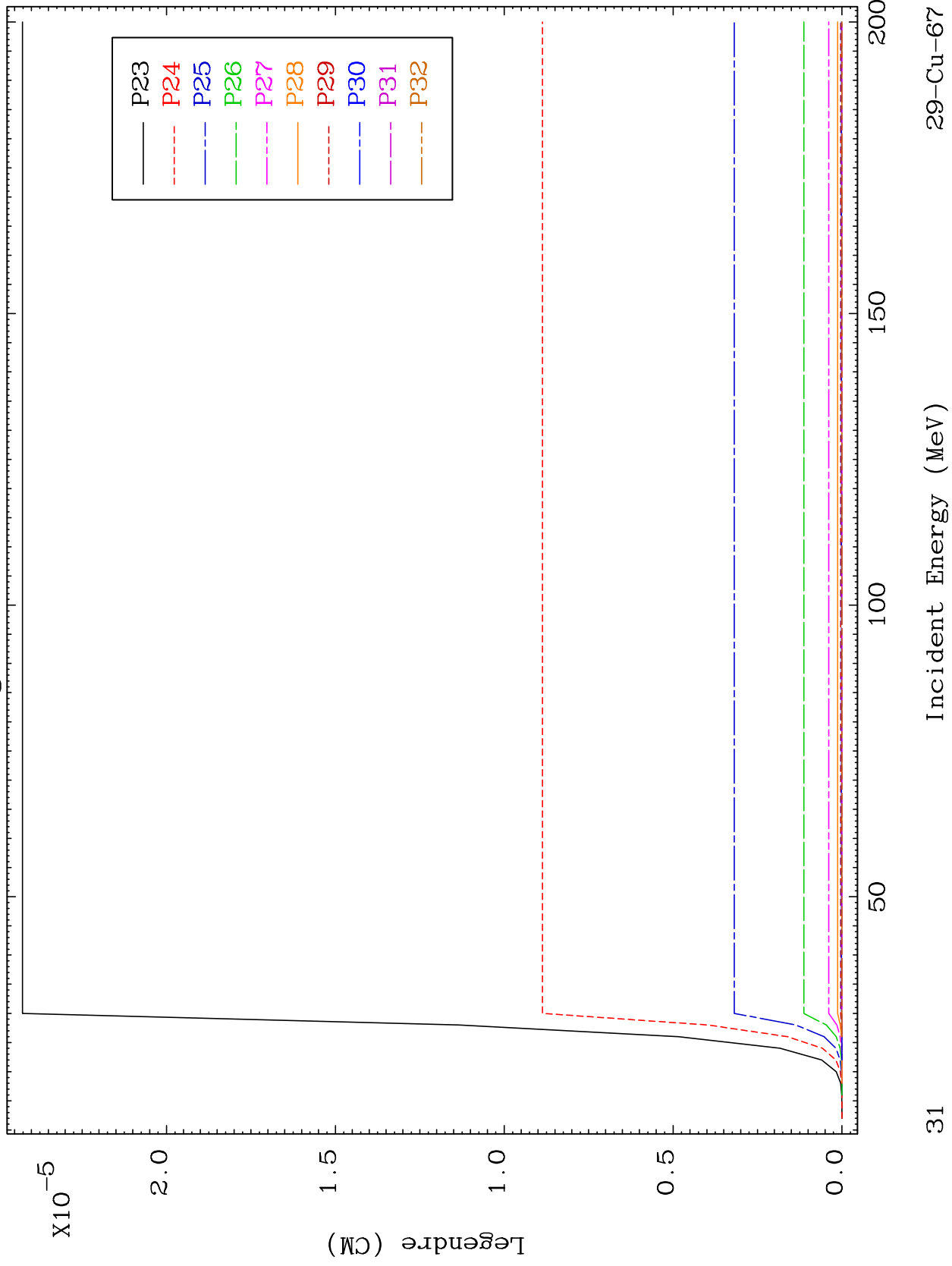
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67

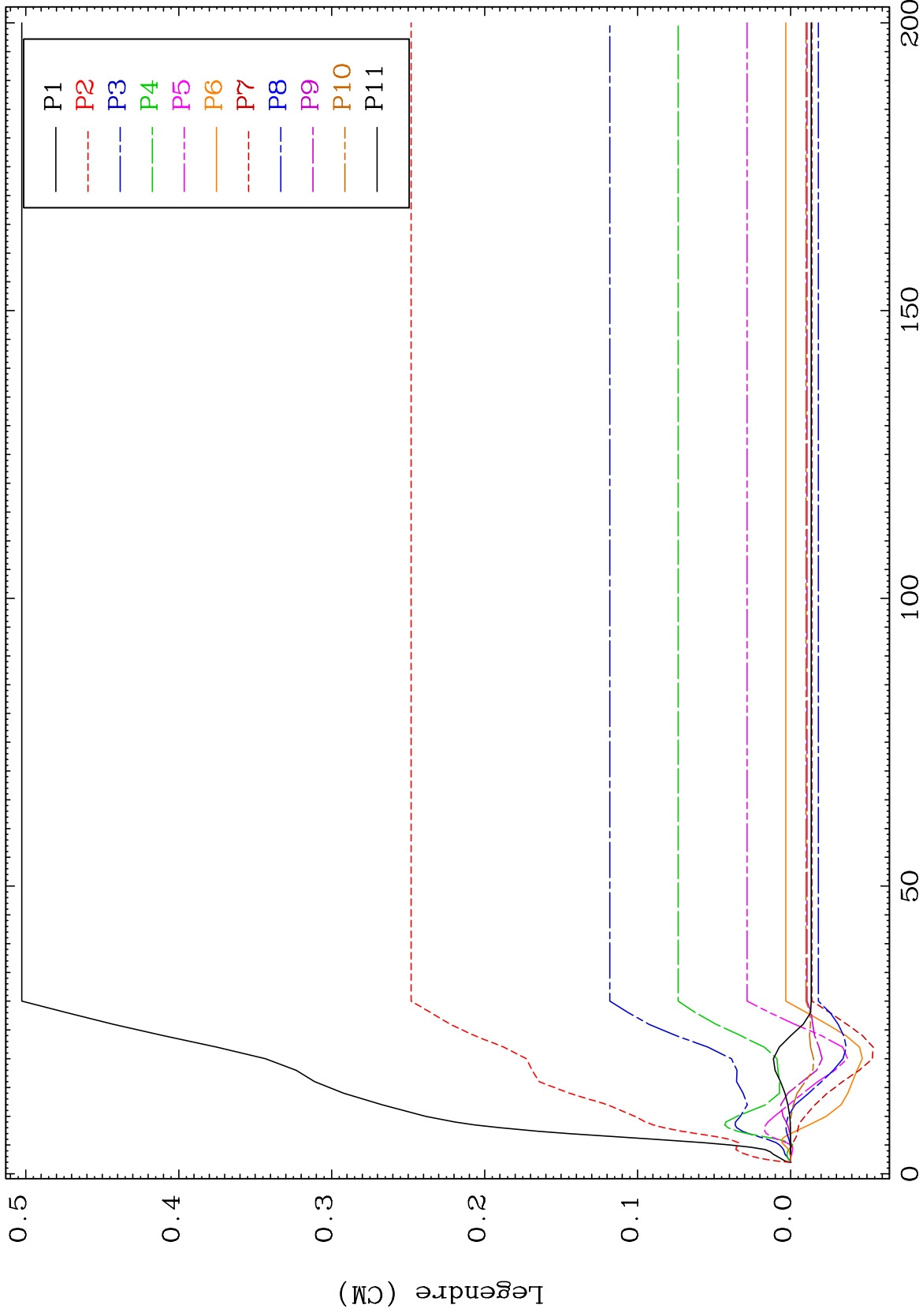


31

MAT 2937

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

29-Cu-67



32

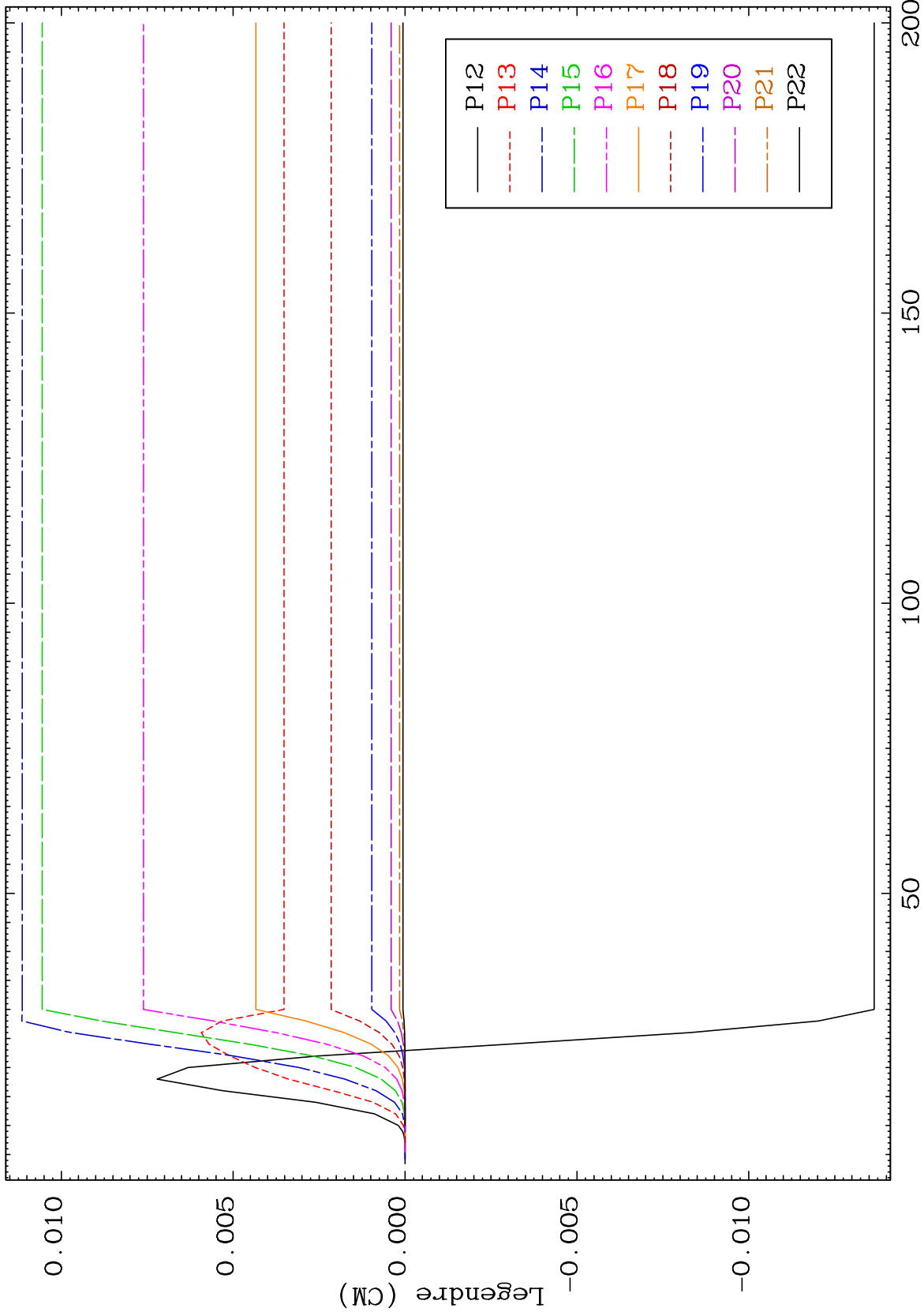
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

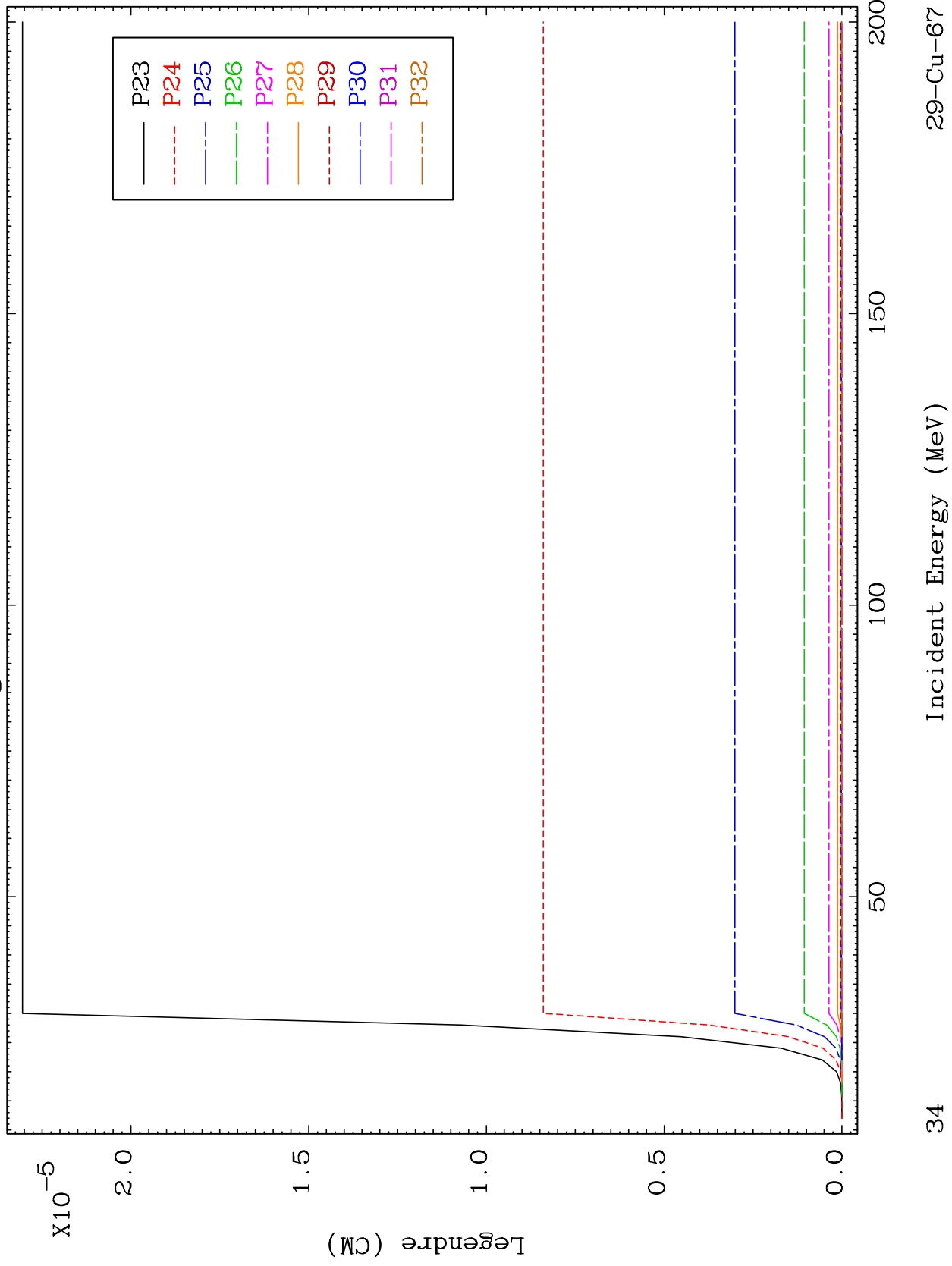
29-Cu-67



MAT 2937

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

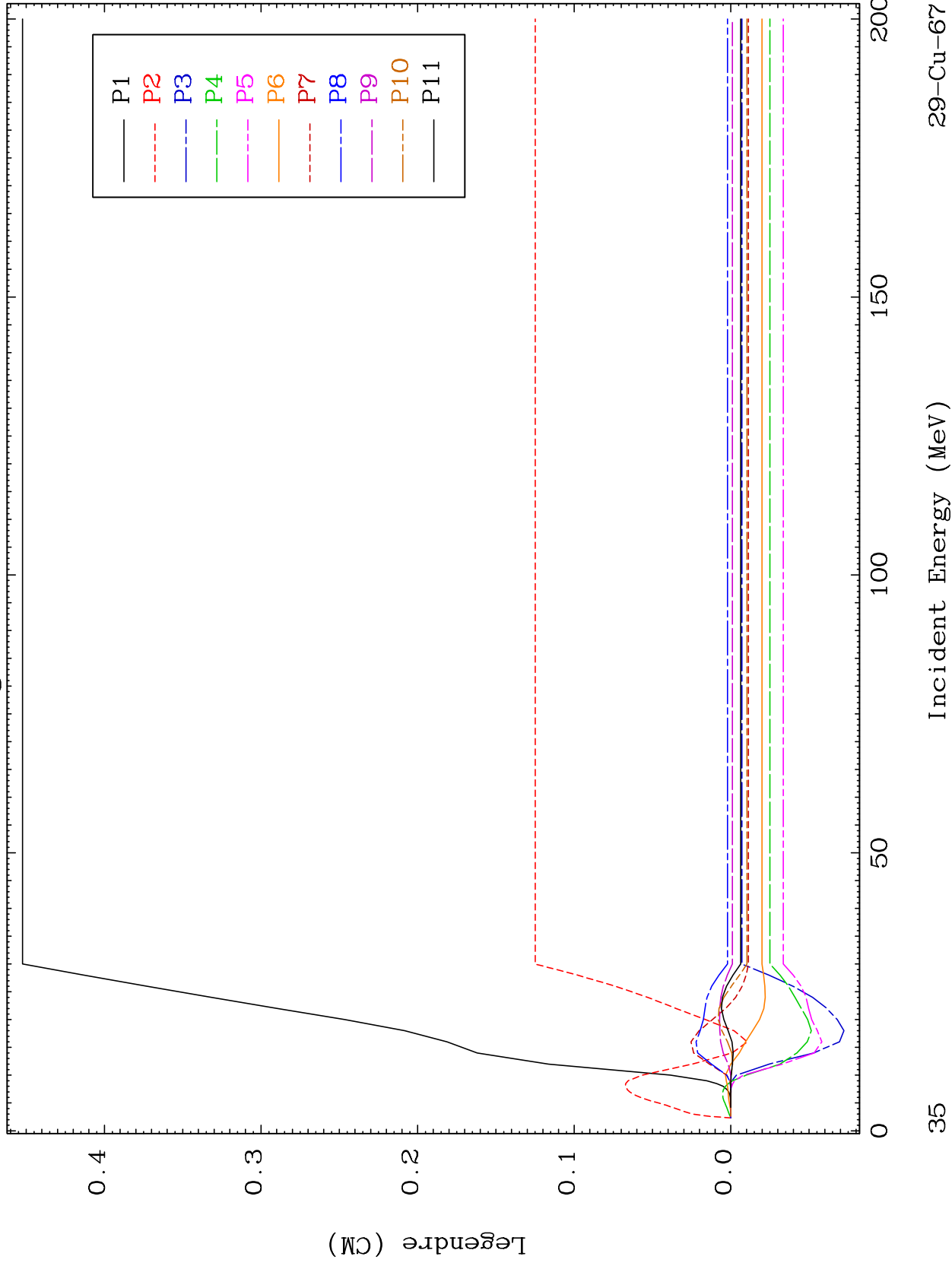
29-Cu-67

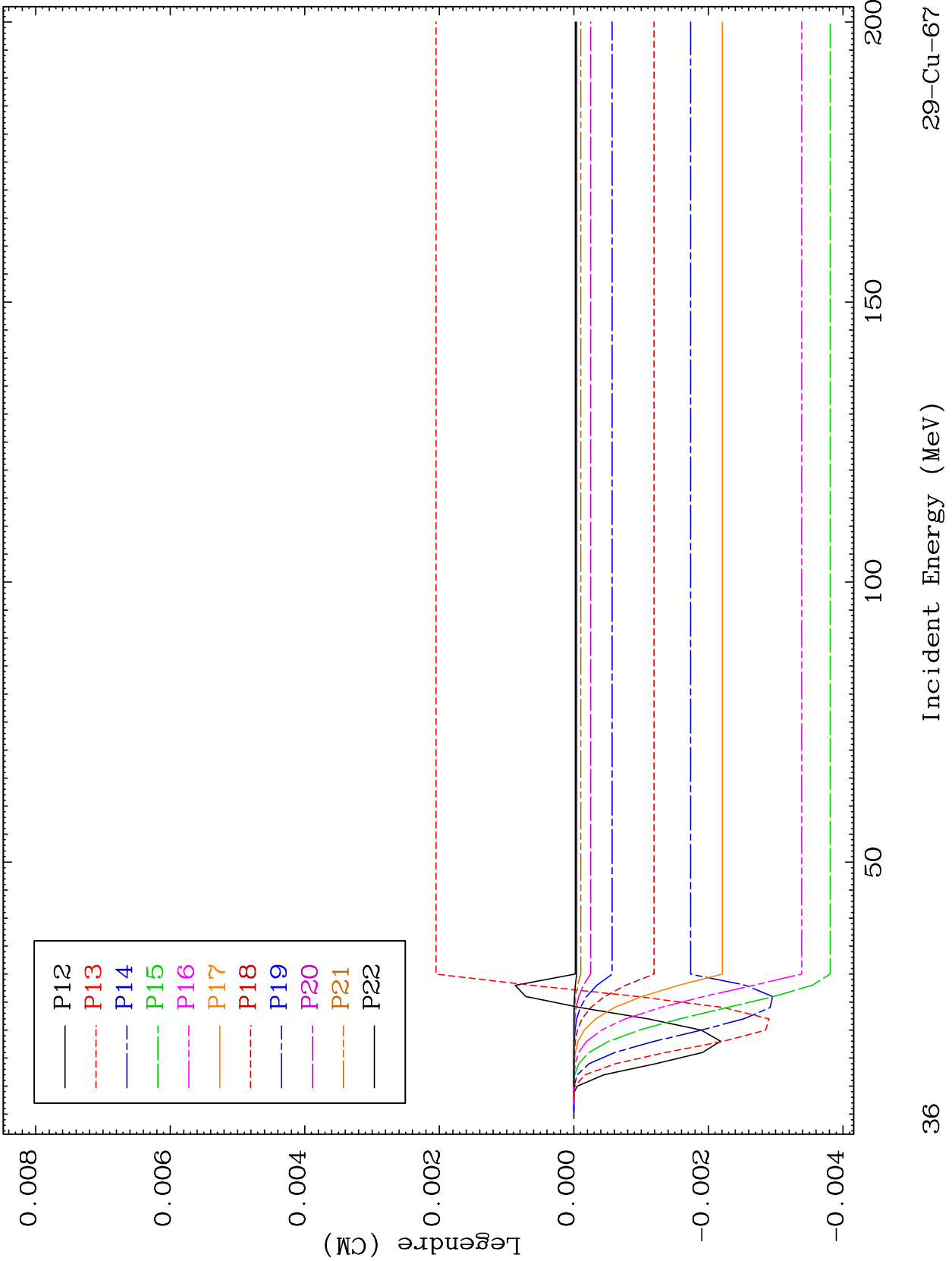


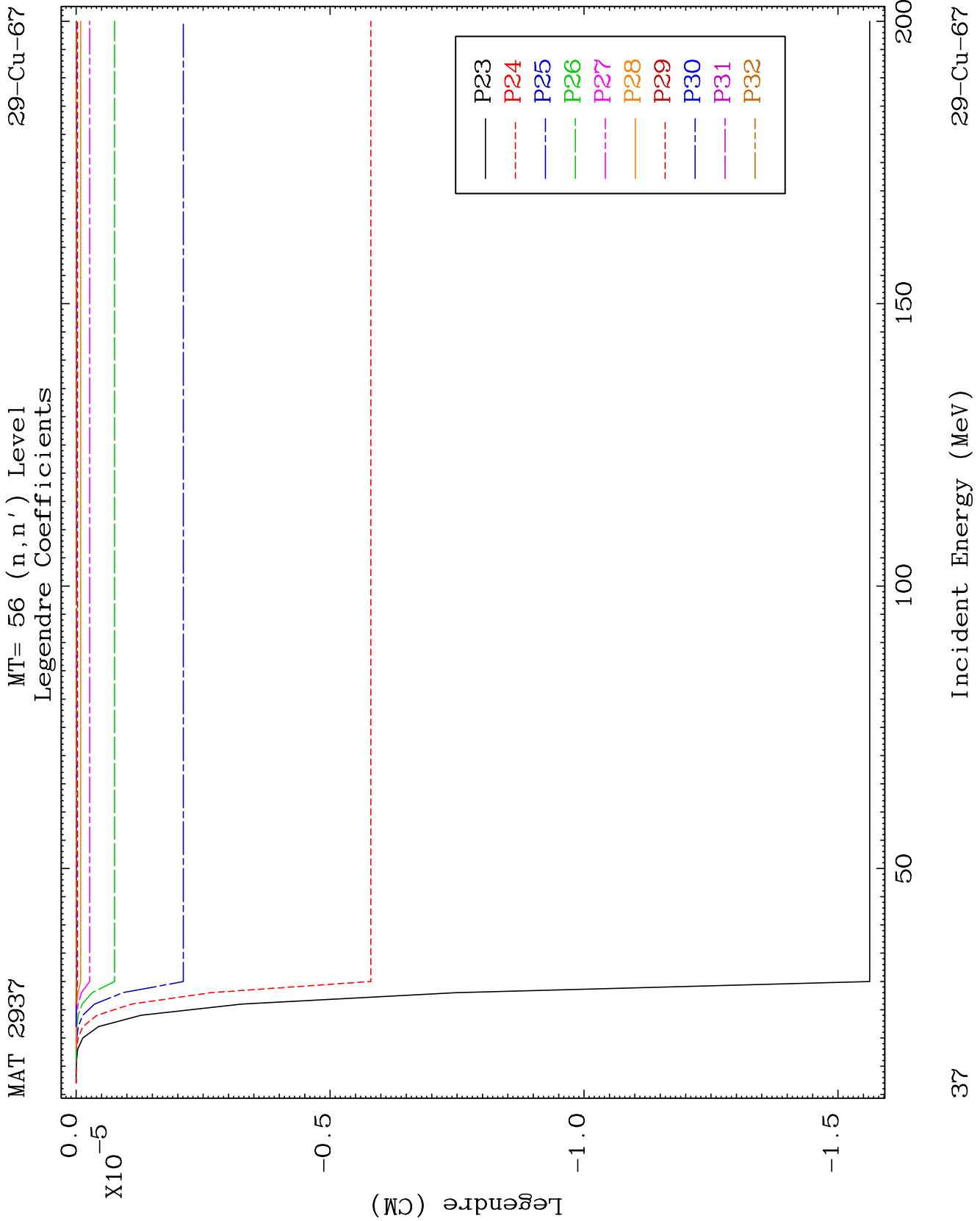
MAT 2937

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

29-Cu-67



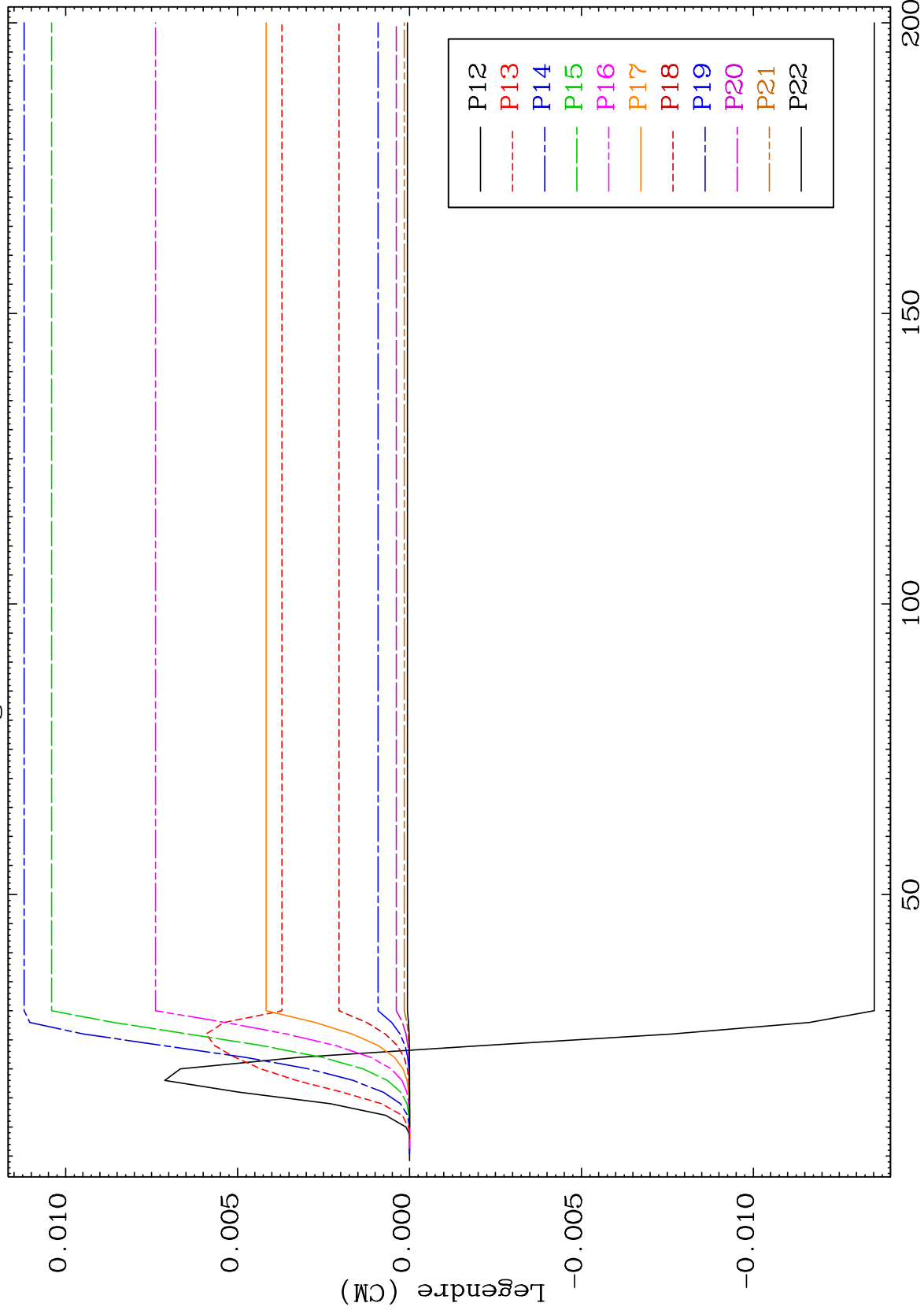




MAT 2937

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

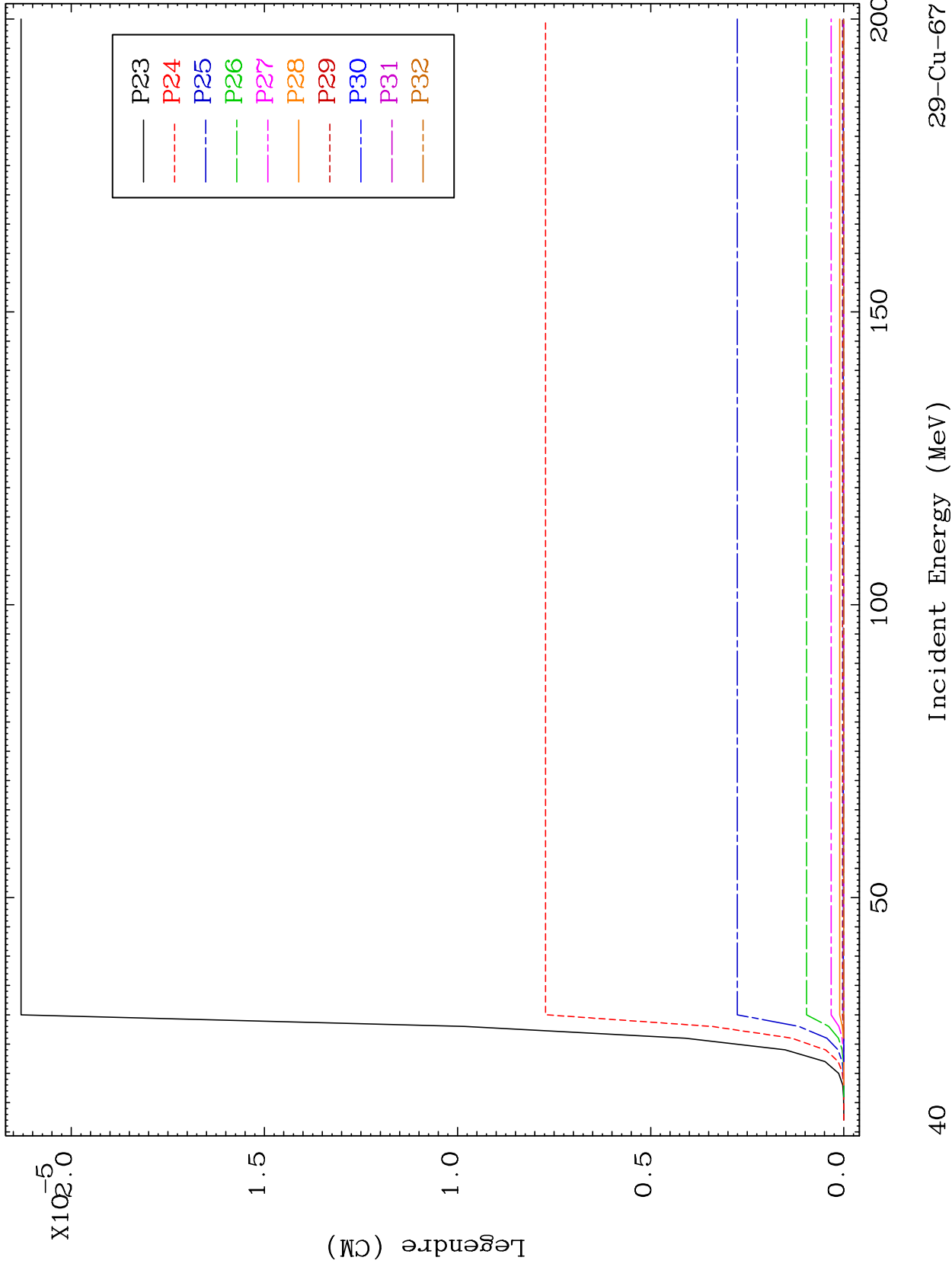
29-Cu-67



MAT 2937

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

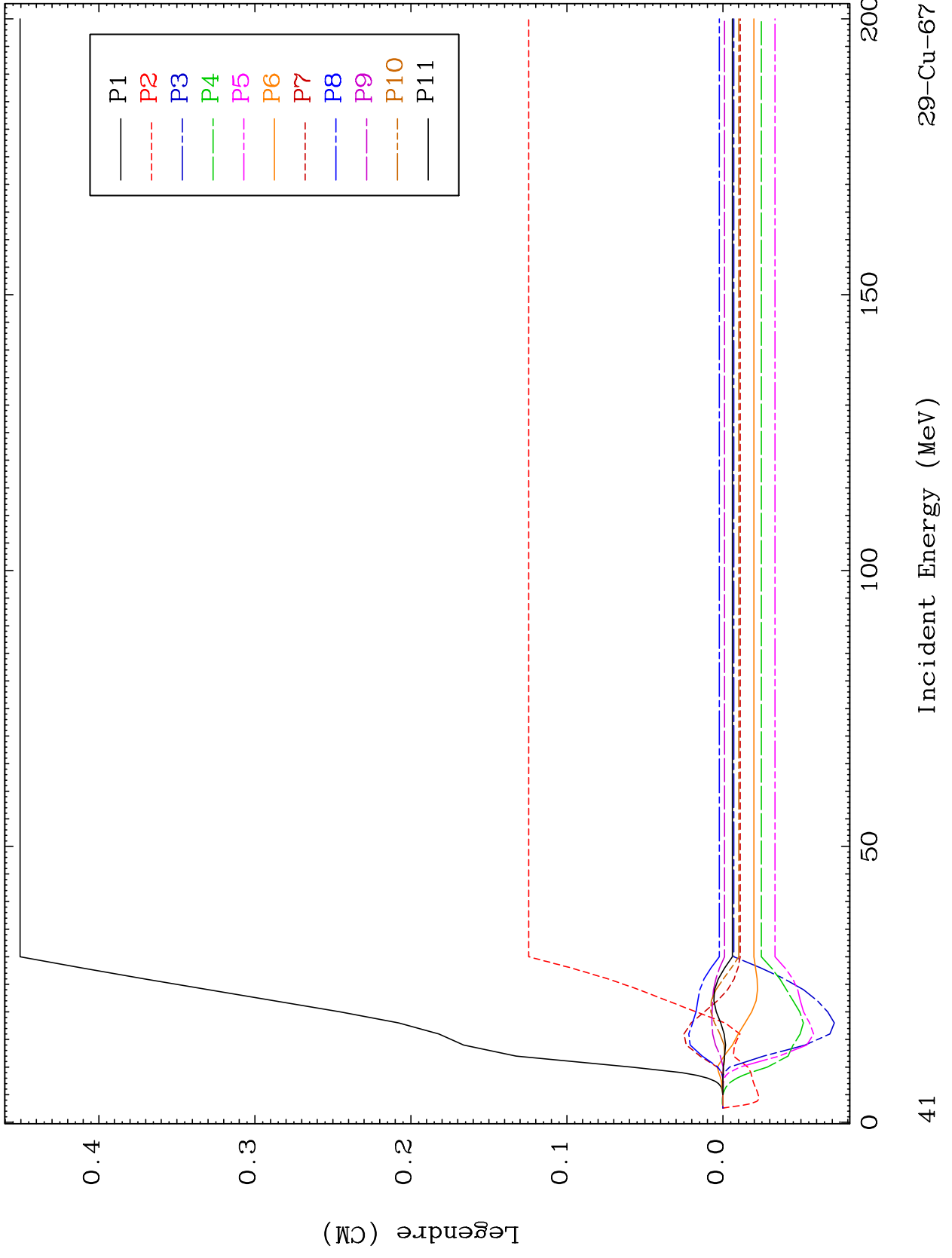
29-Cu-67



MAT 2937

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

29-Cu-67



41

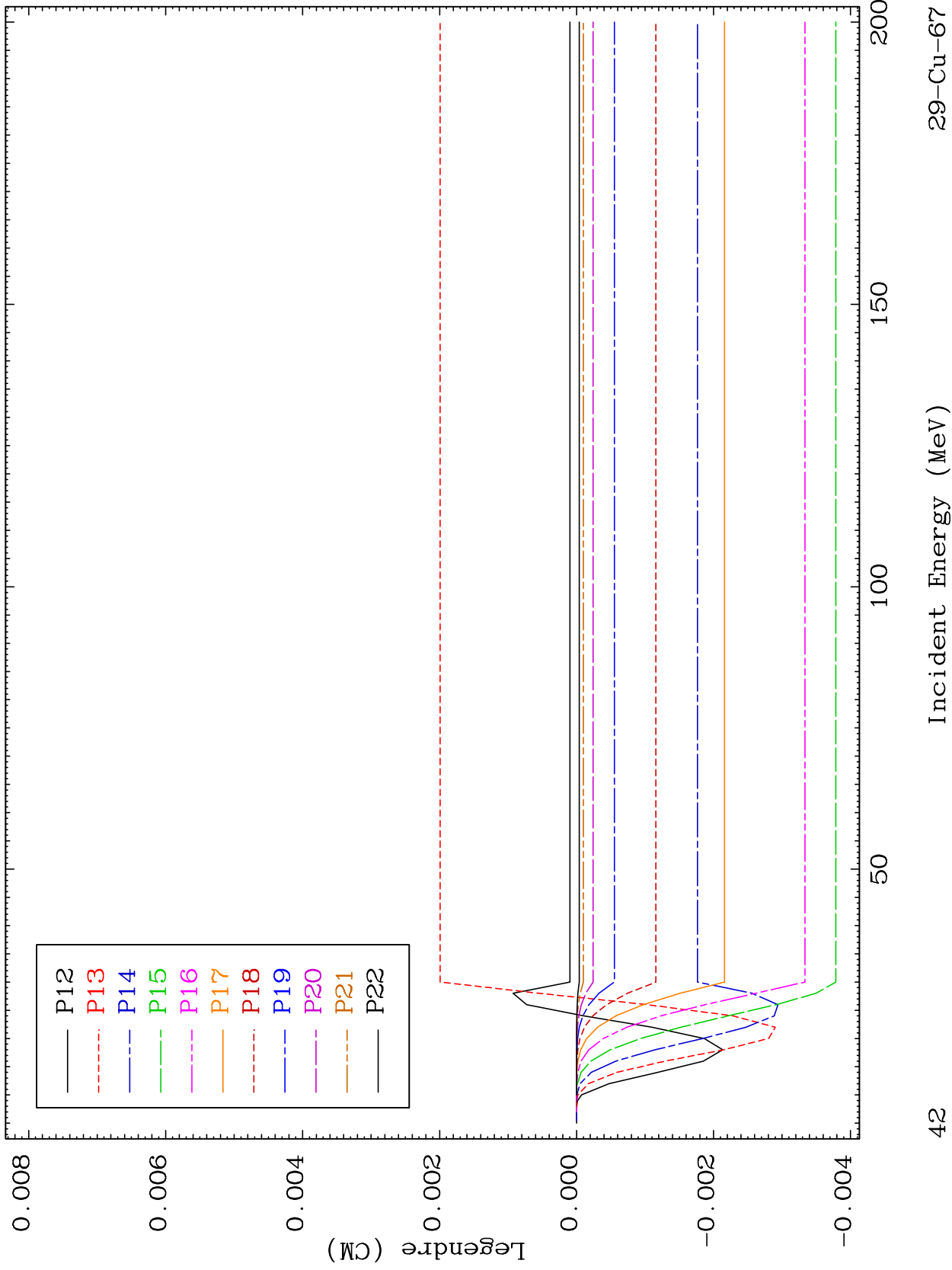
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

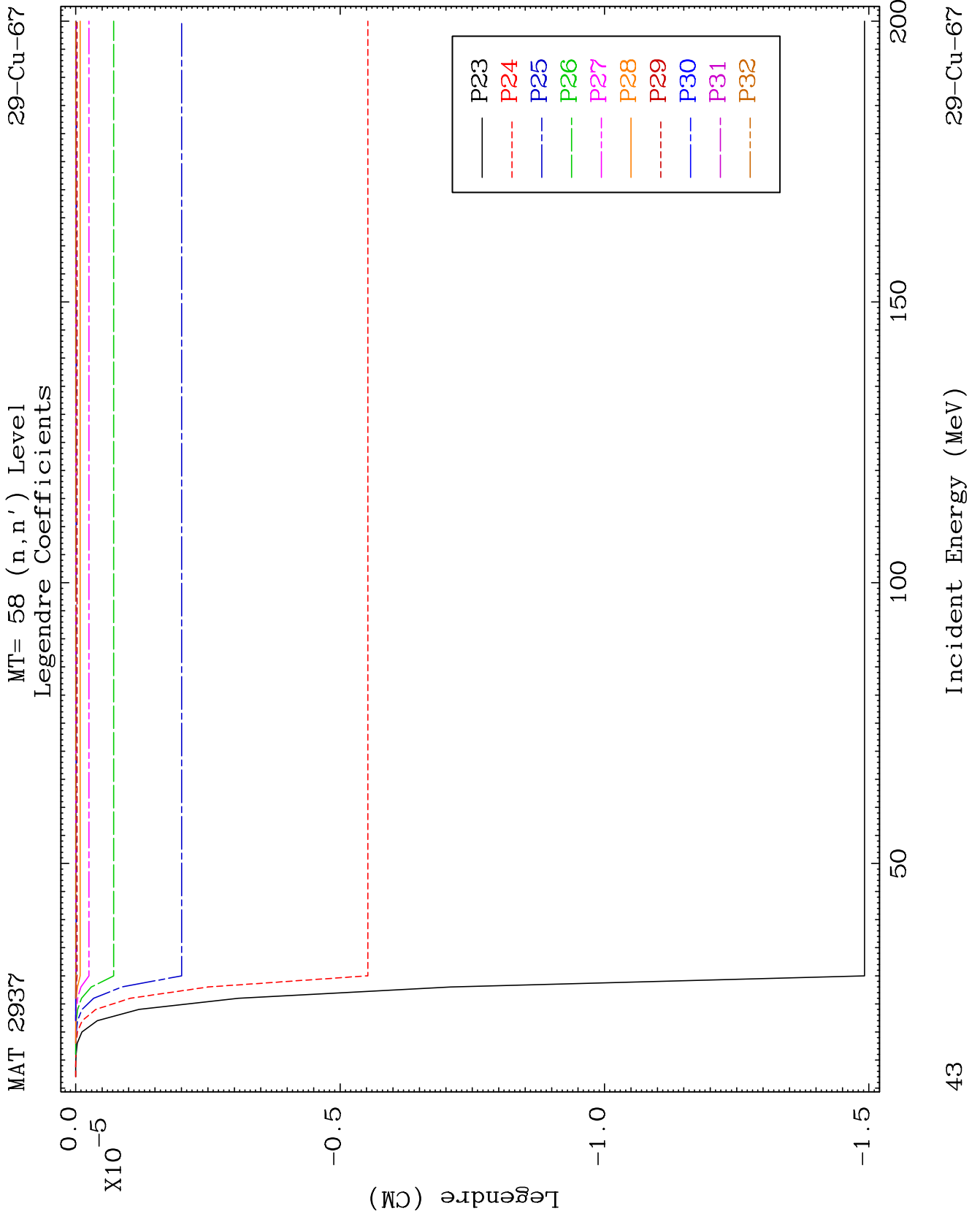
29-Cu-67

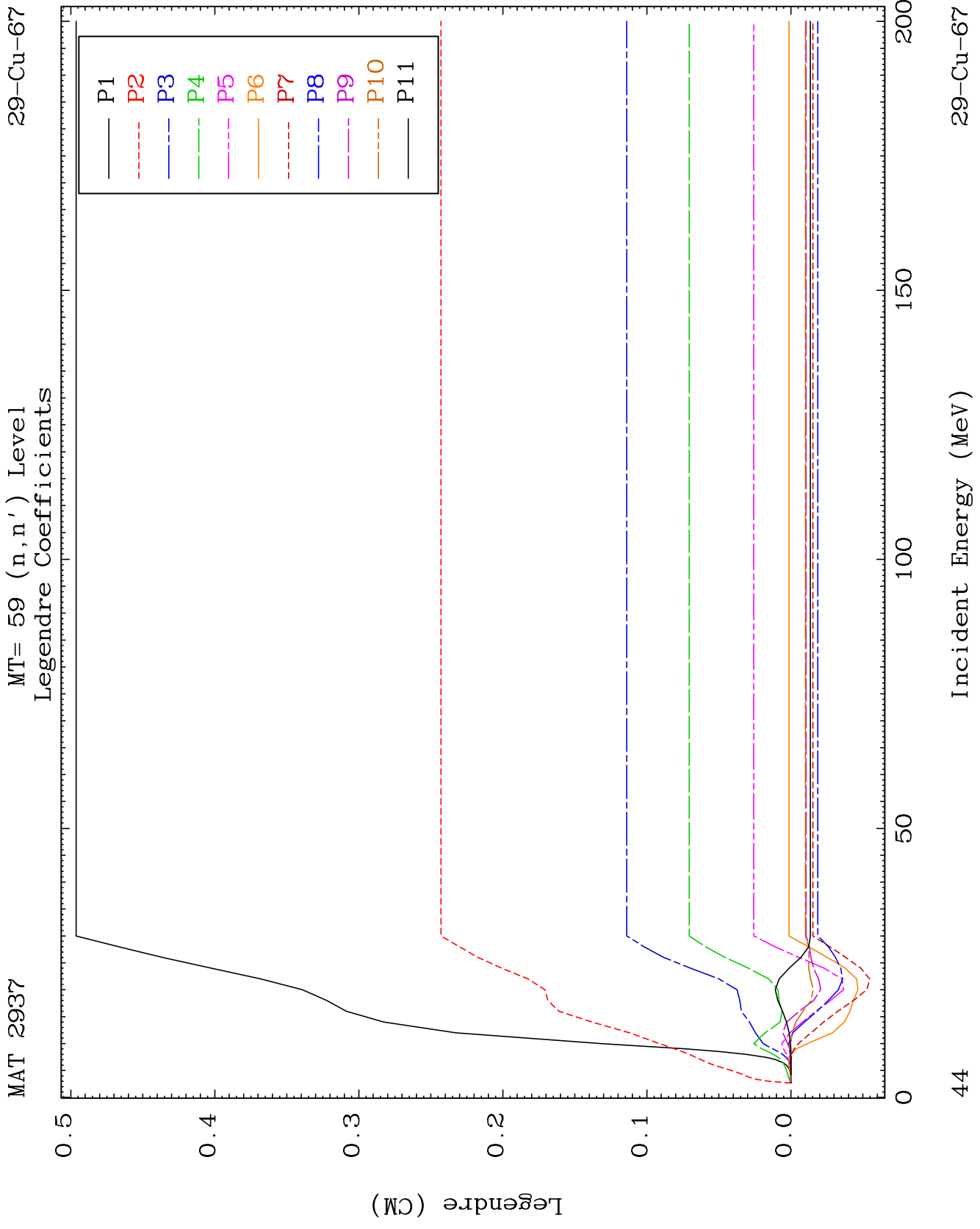


42

Incident Energy (MeV)

29-Cu-67

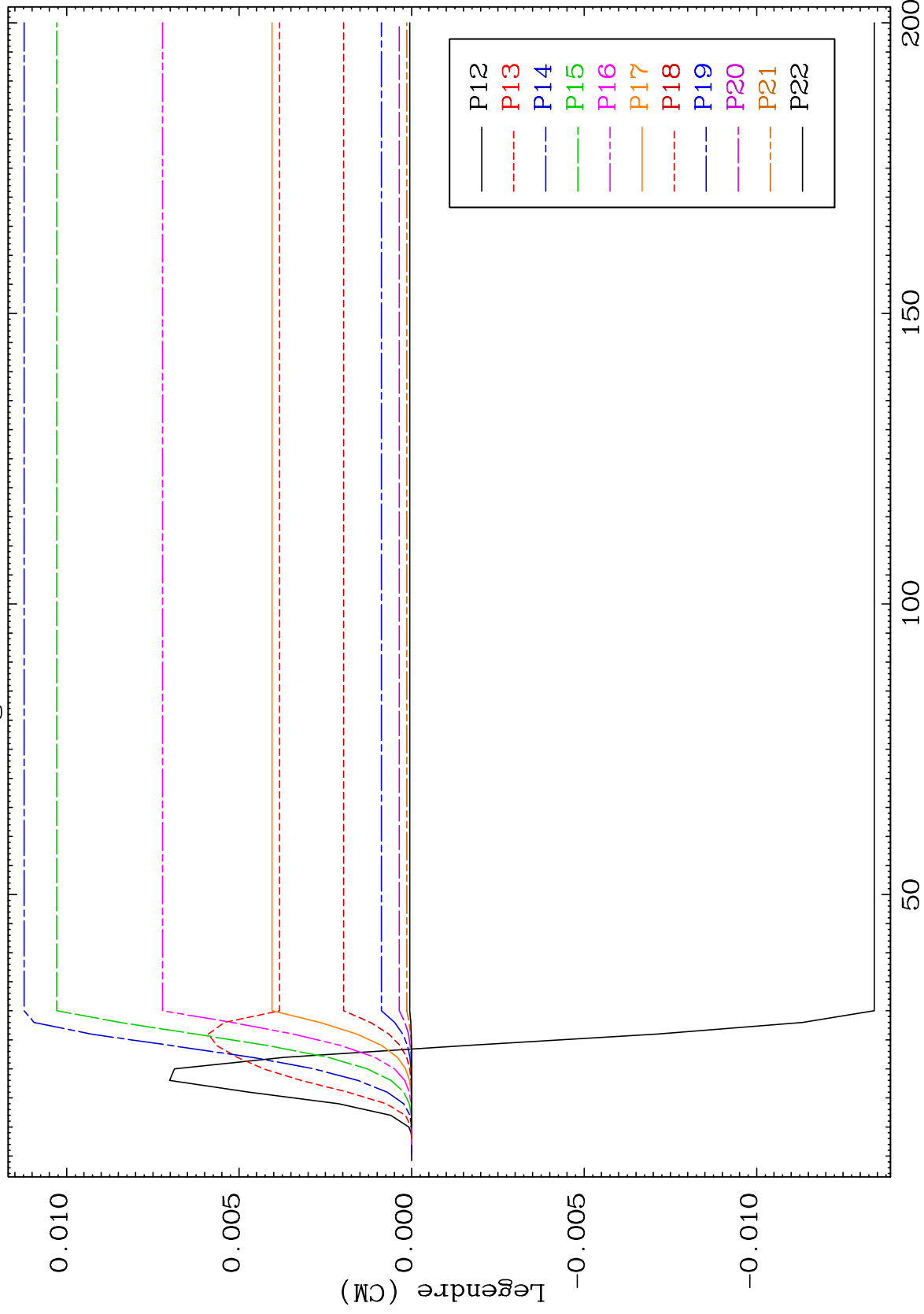




MAT 2937

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

29-Cu-67



45

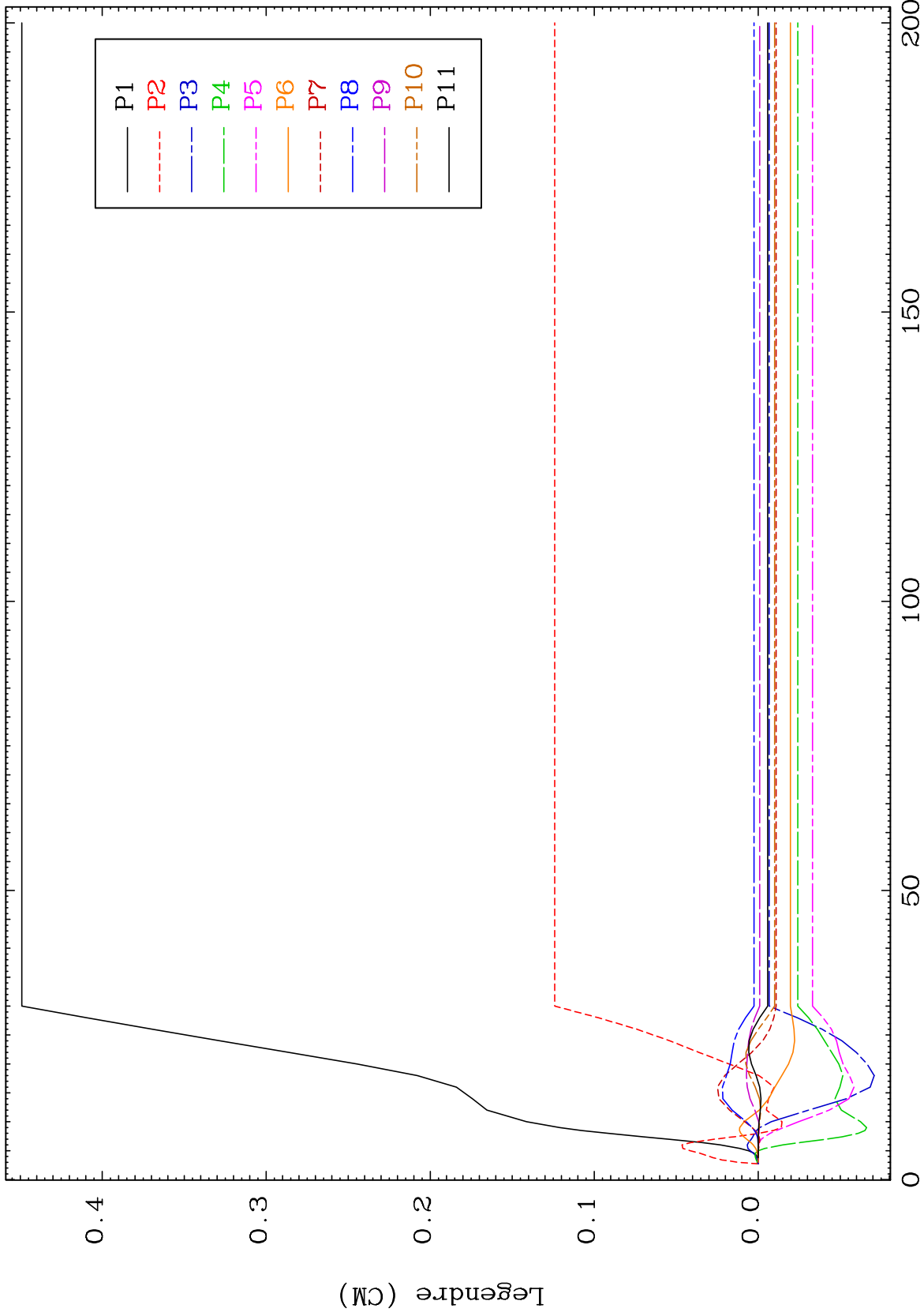
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



47

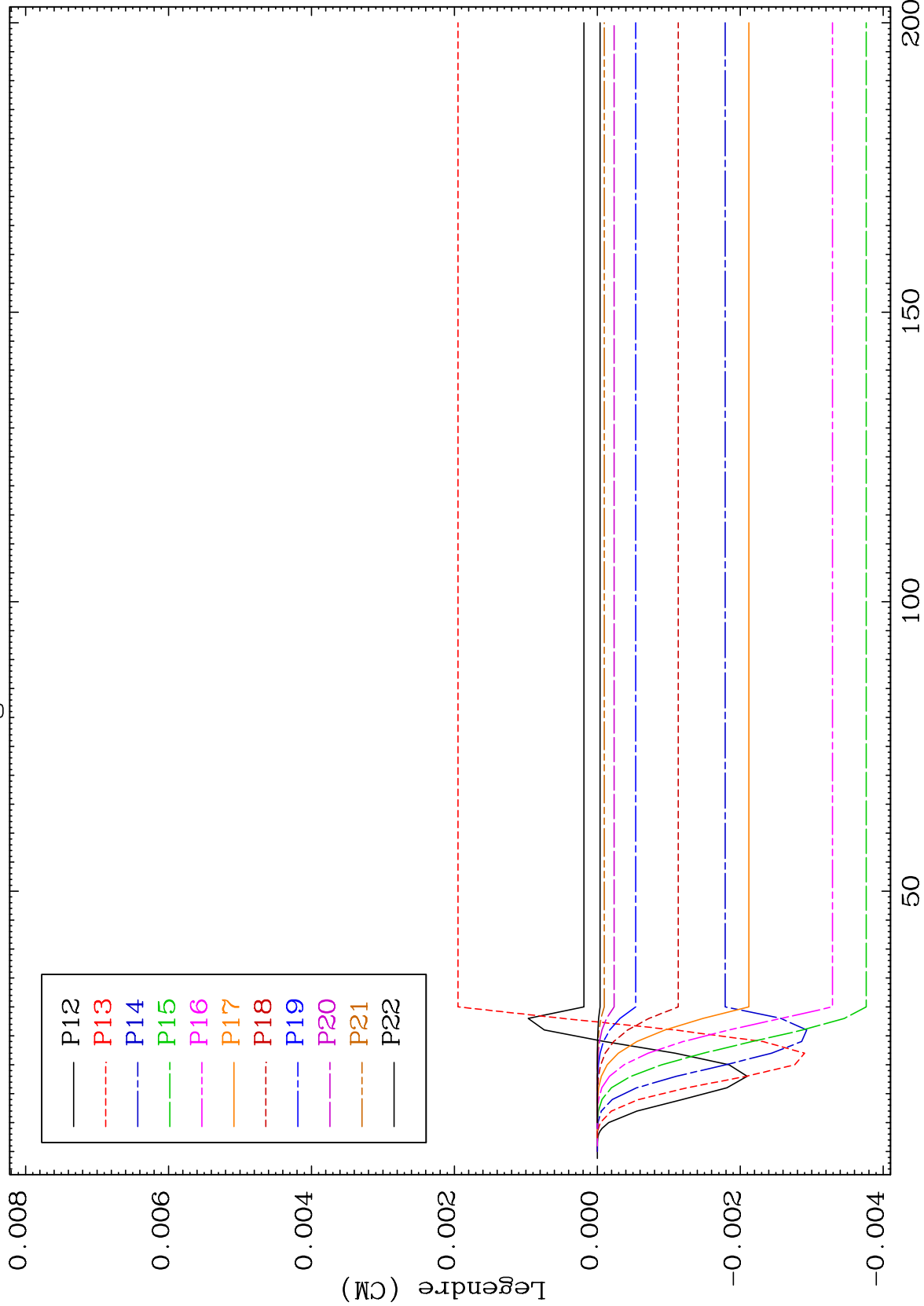
Incident Energy (MeV)

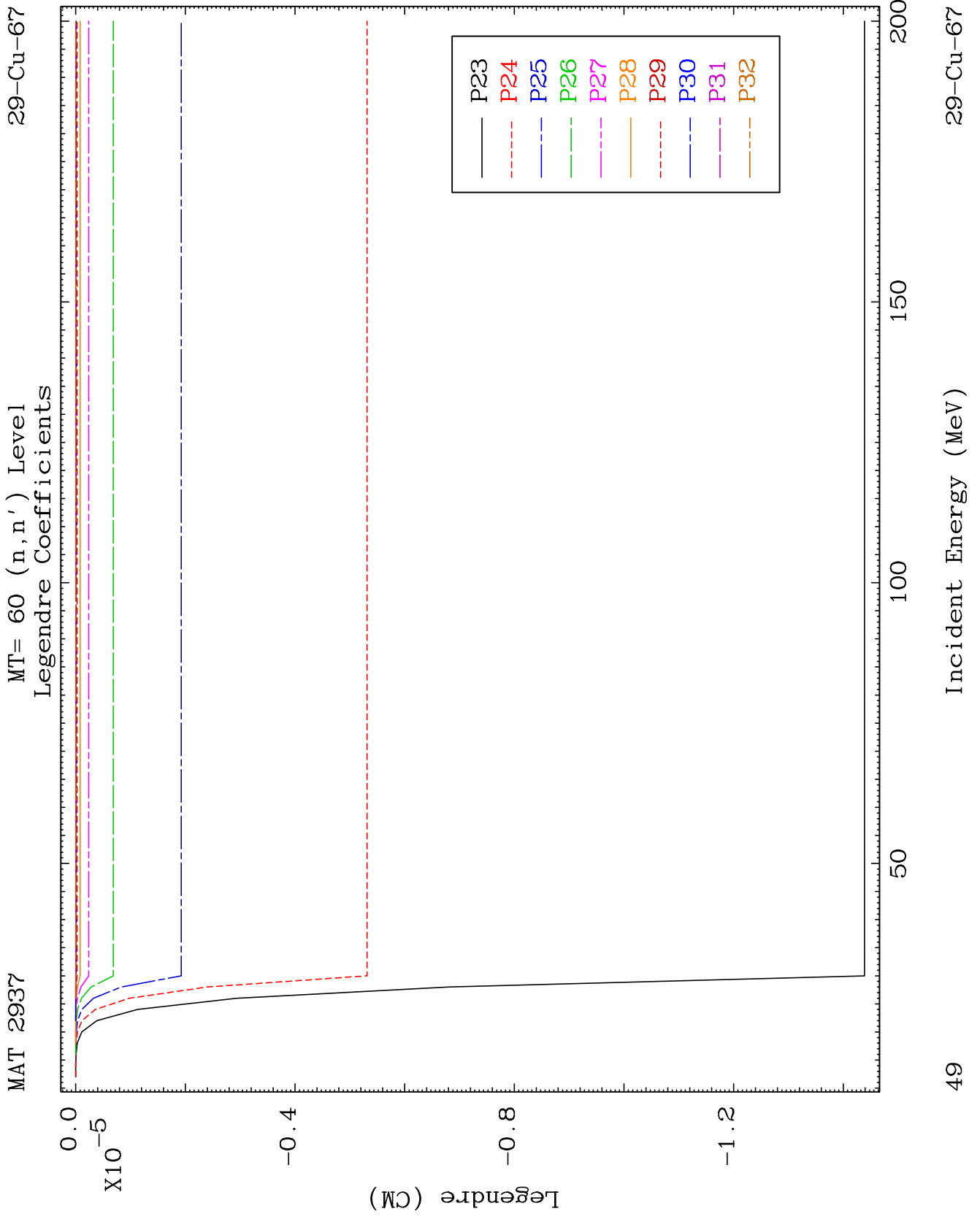
29-Cu-67

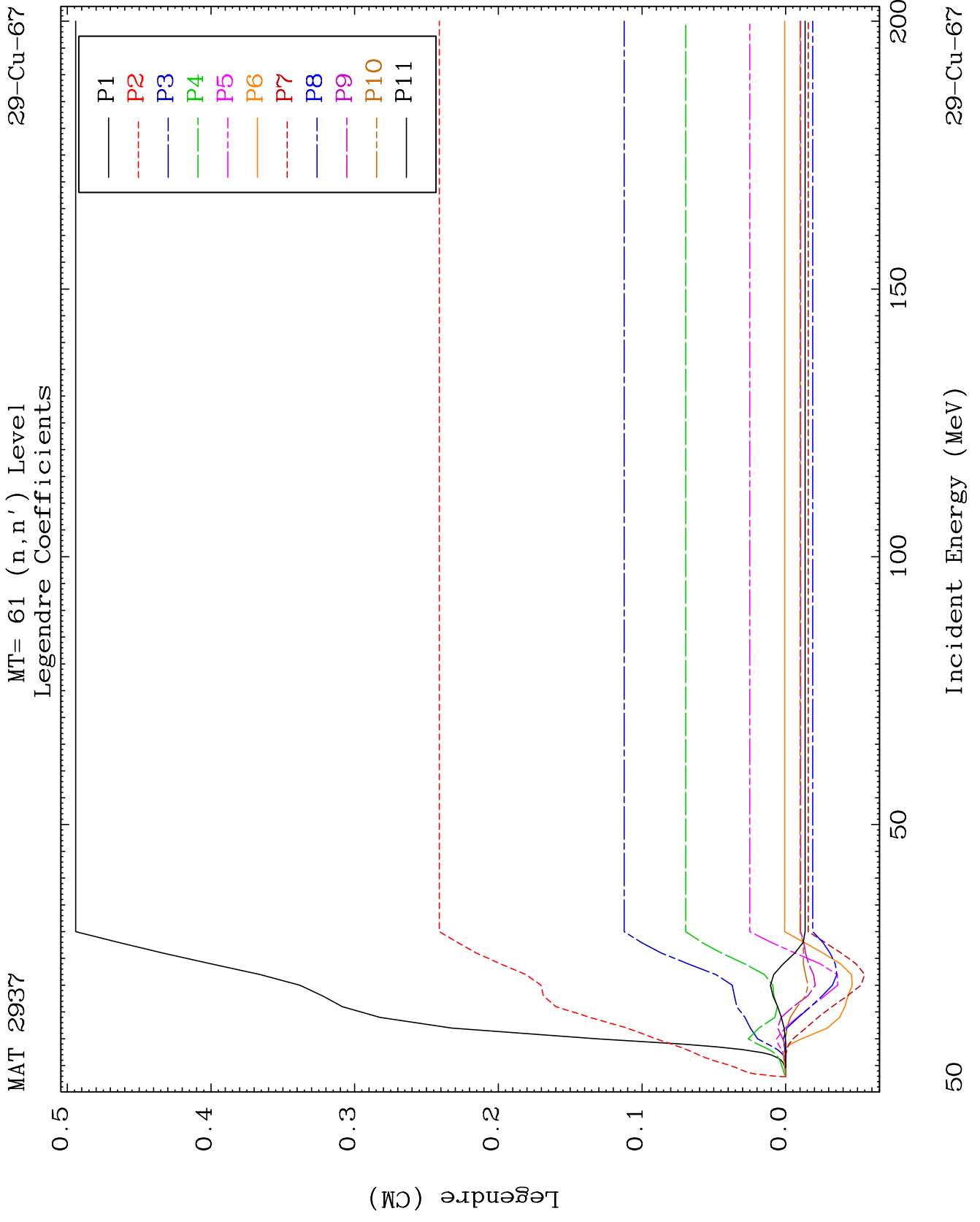
MAT 2937

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

29-Cu-67



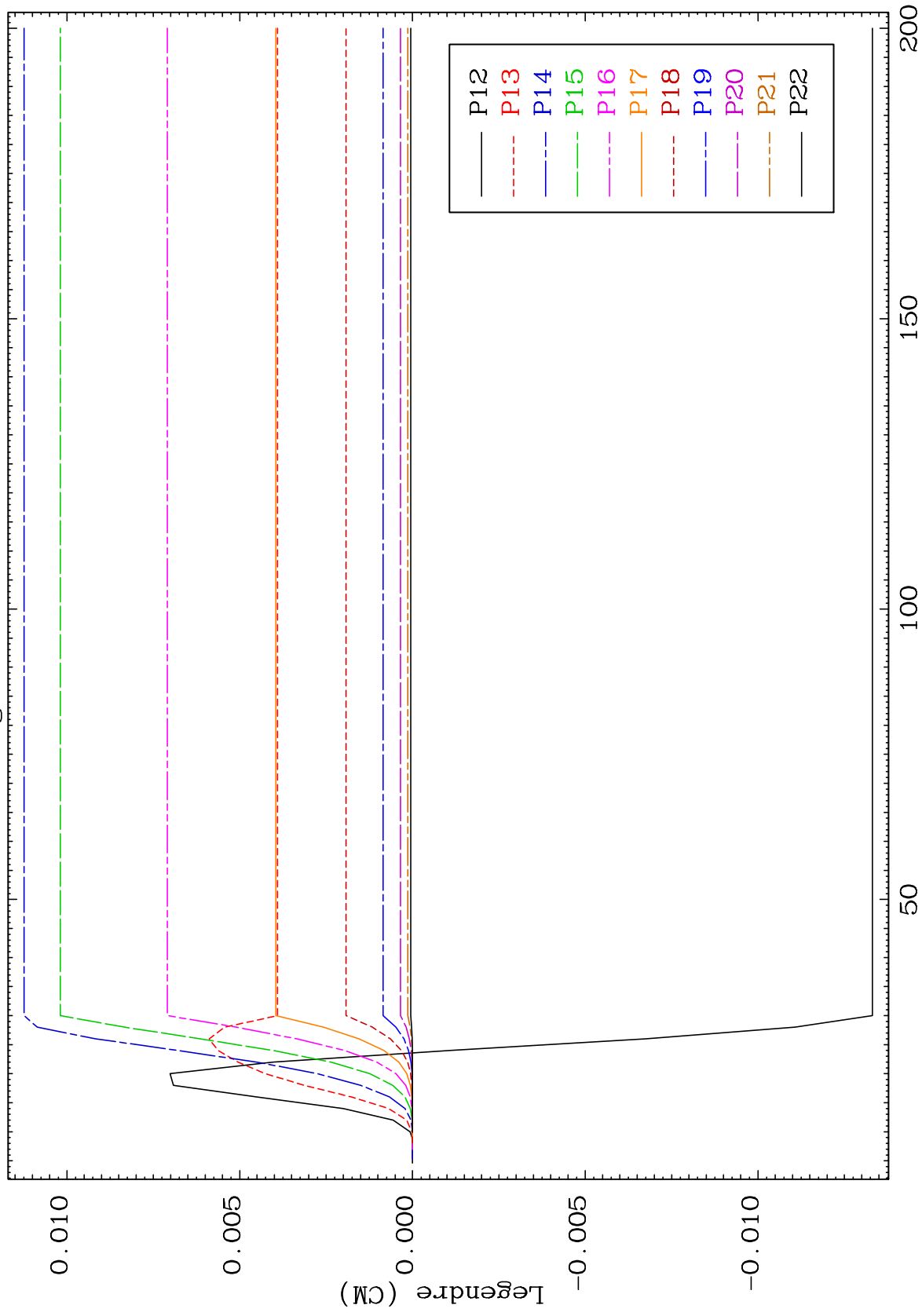




MAT 2937

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

29-Cu-67



51

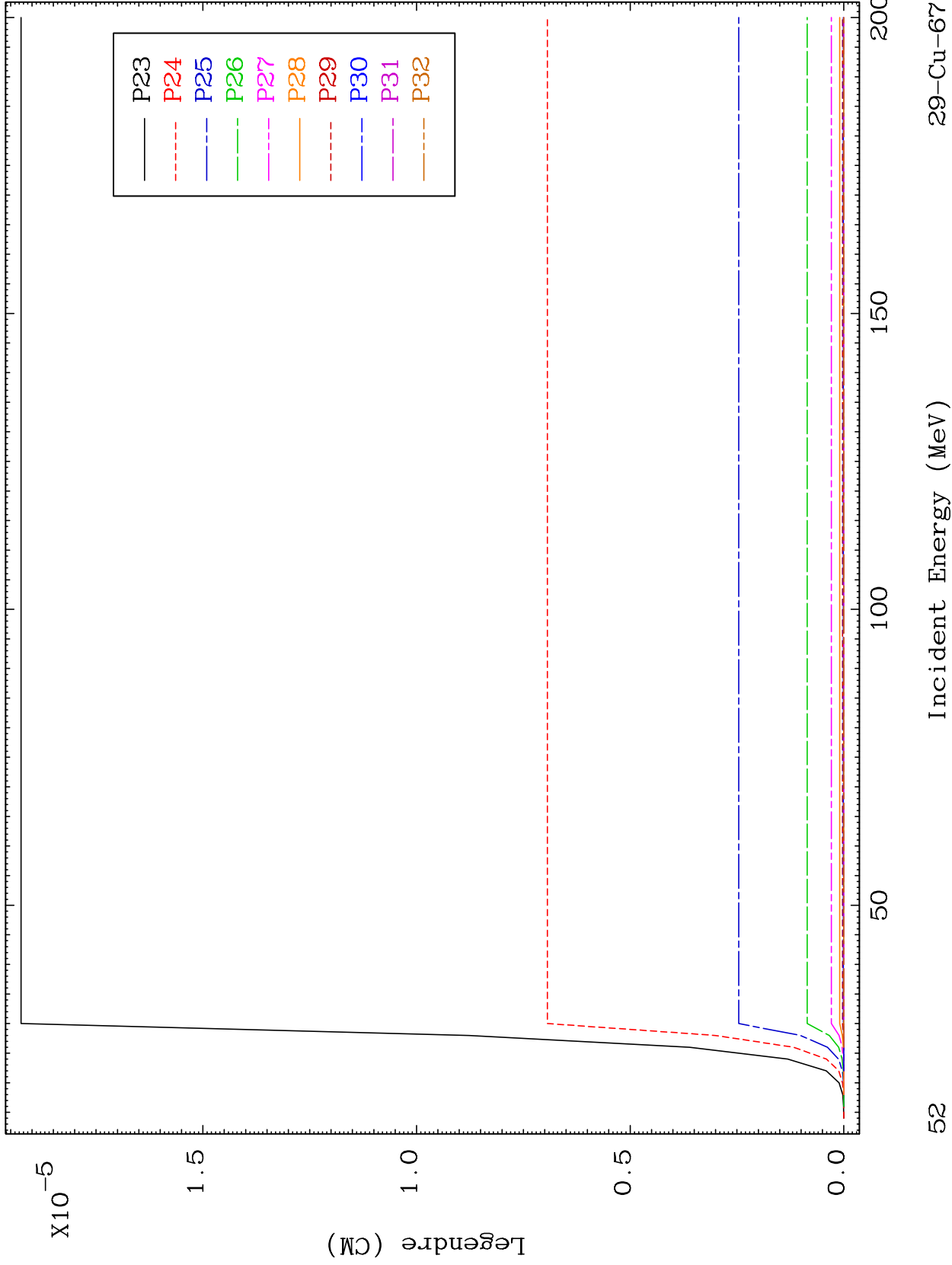
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



52

Incident Energy (MeV)

29-Cu-67

200

150

100

50

$\times 10^{-5}$

1.5

1.0

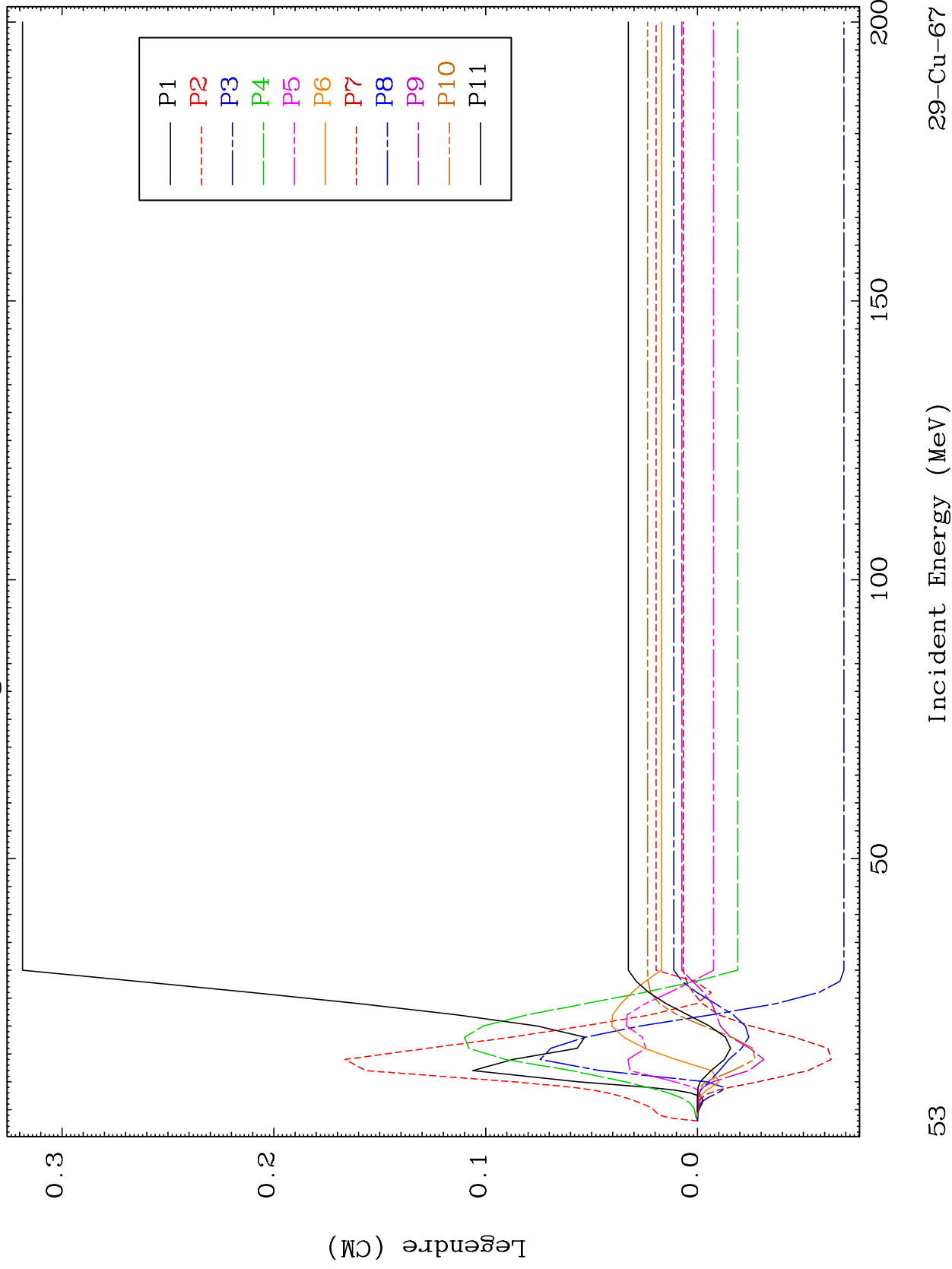
0.5

0.0

MAT 2937

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

29-Cu-67



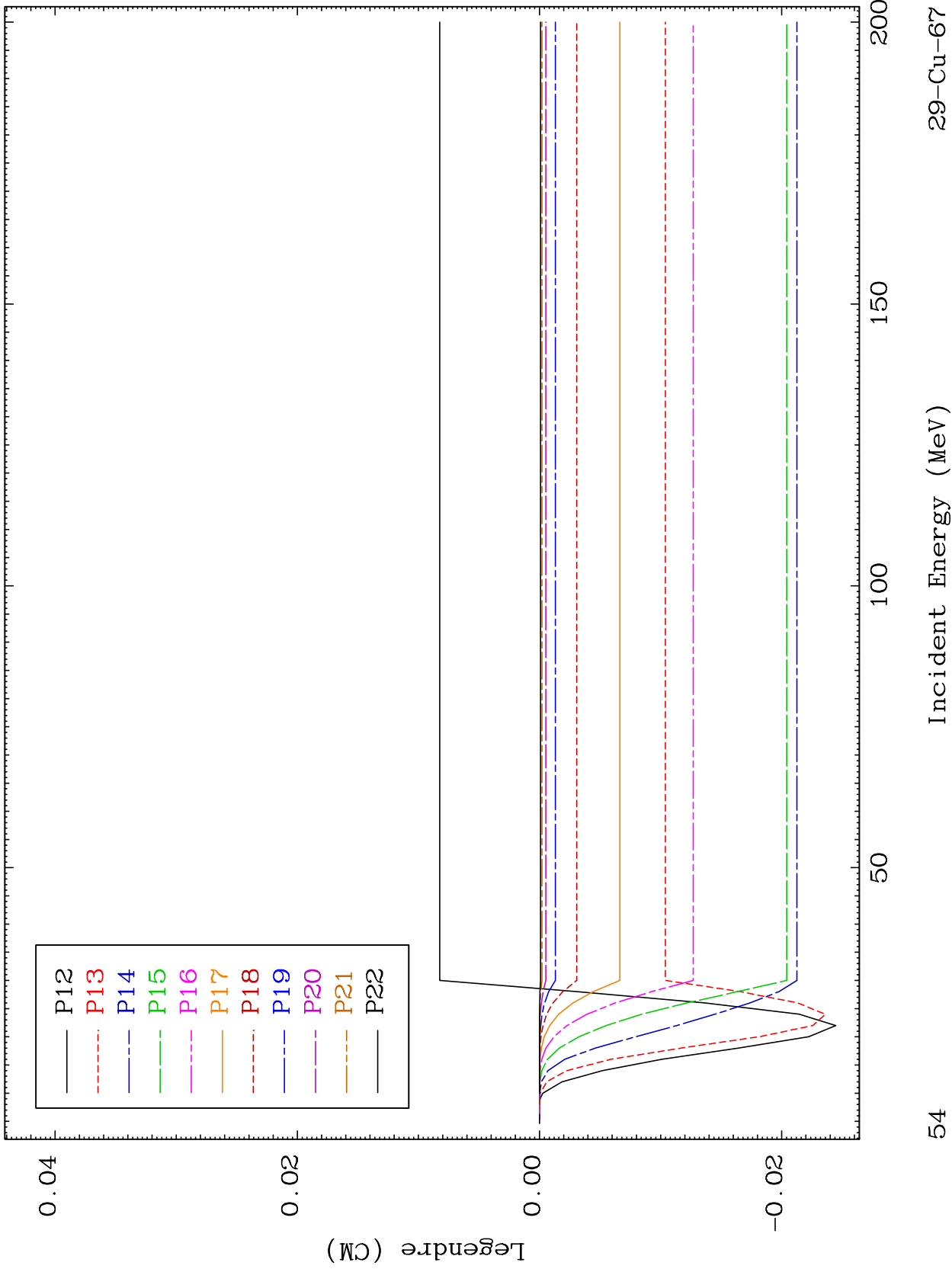
53

29-Cu-67

MAT 2937

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

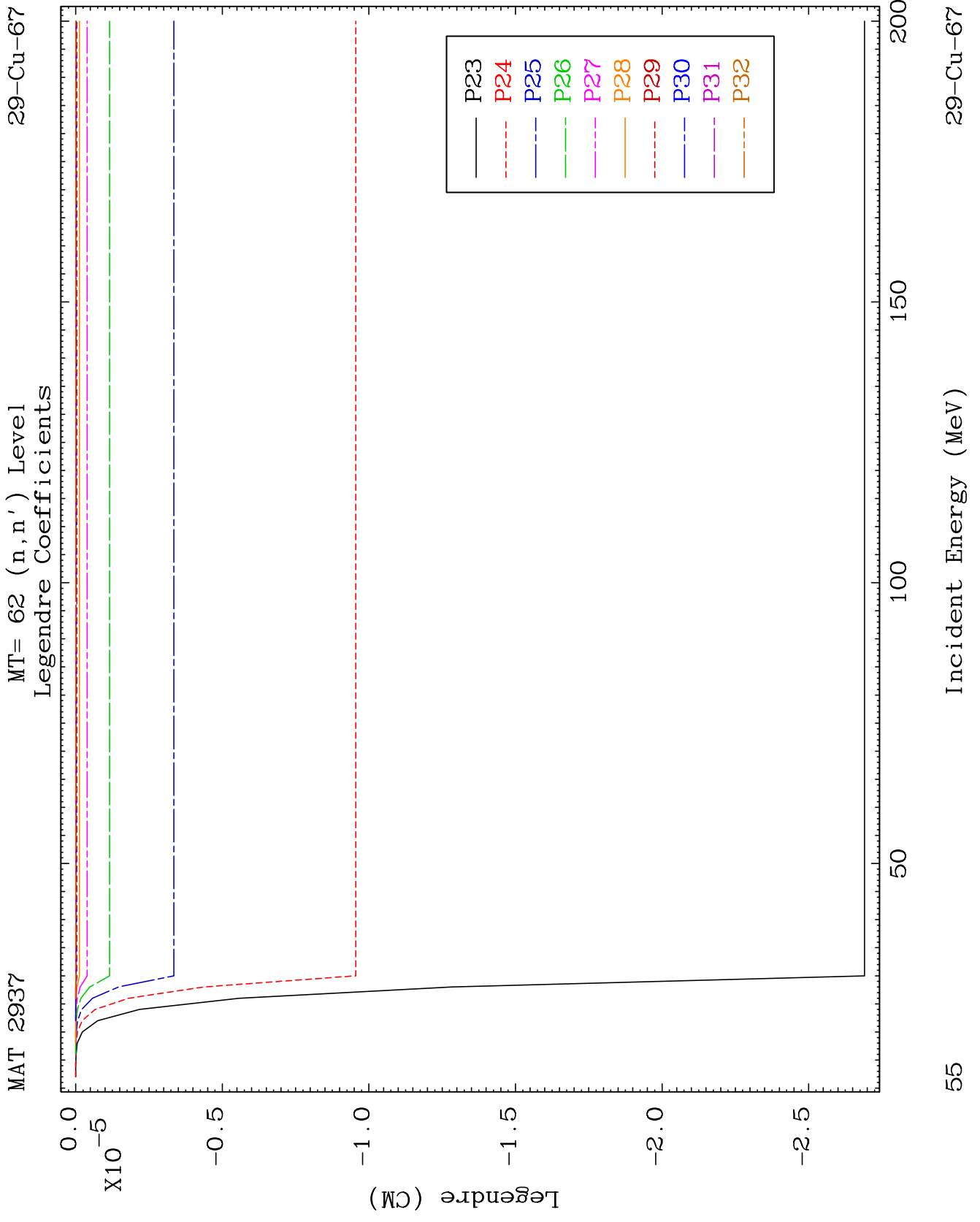
29-Cu-67

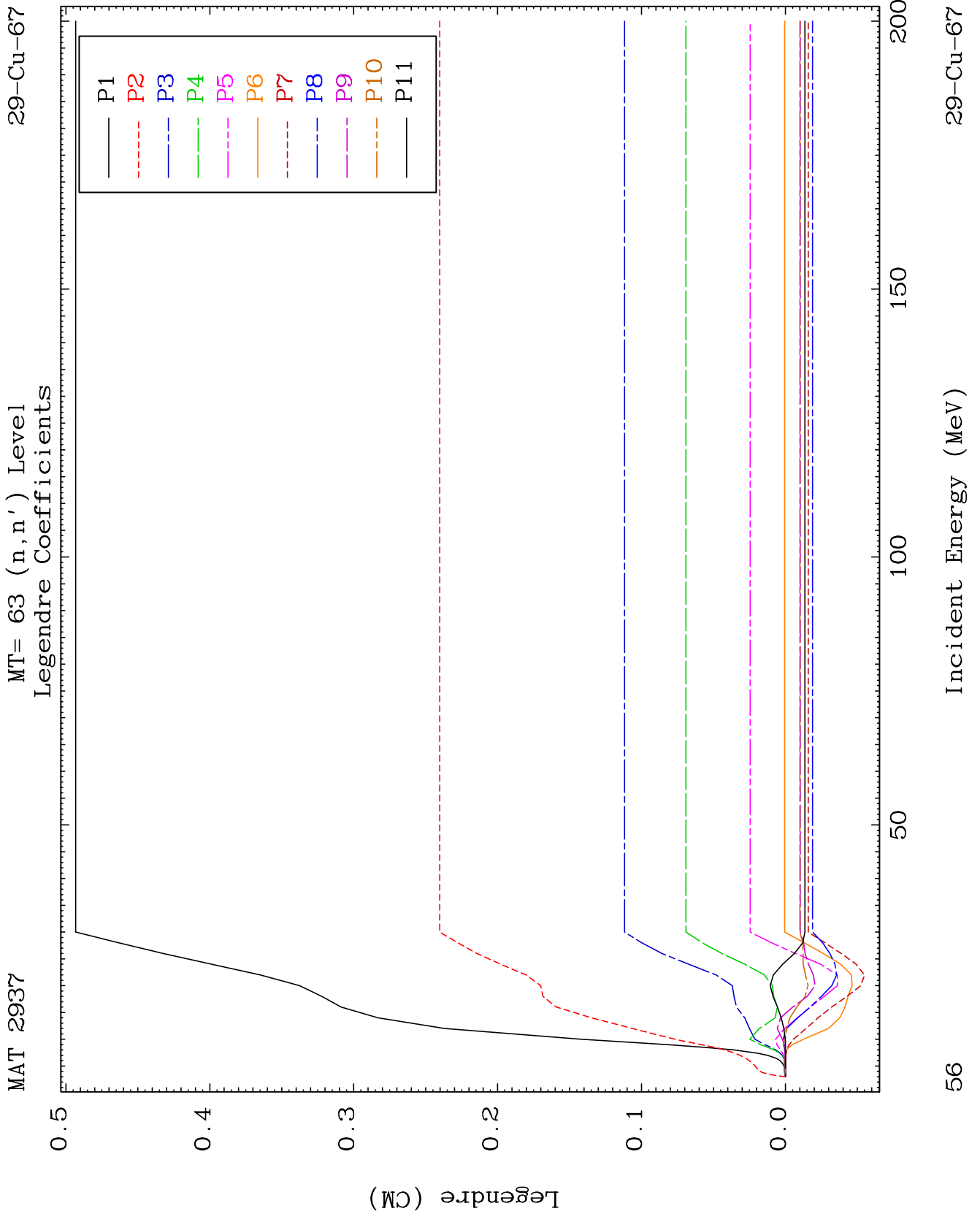


54

Incident Energy (MeV)

29-Cu-67

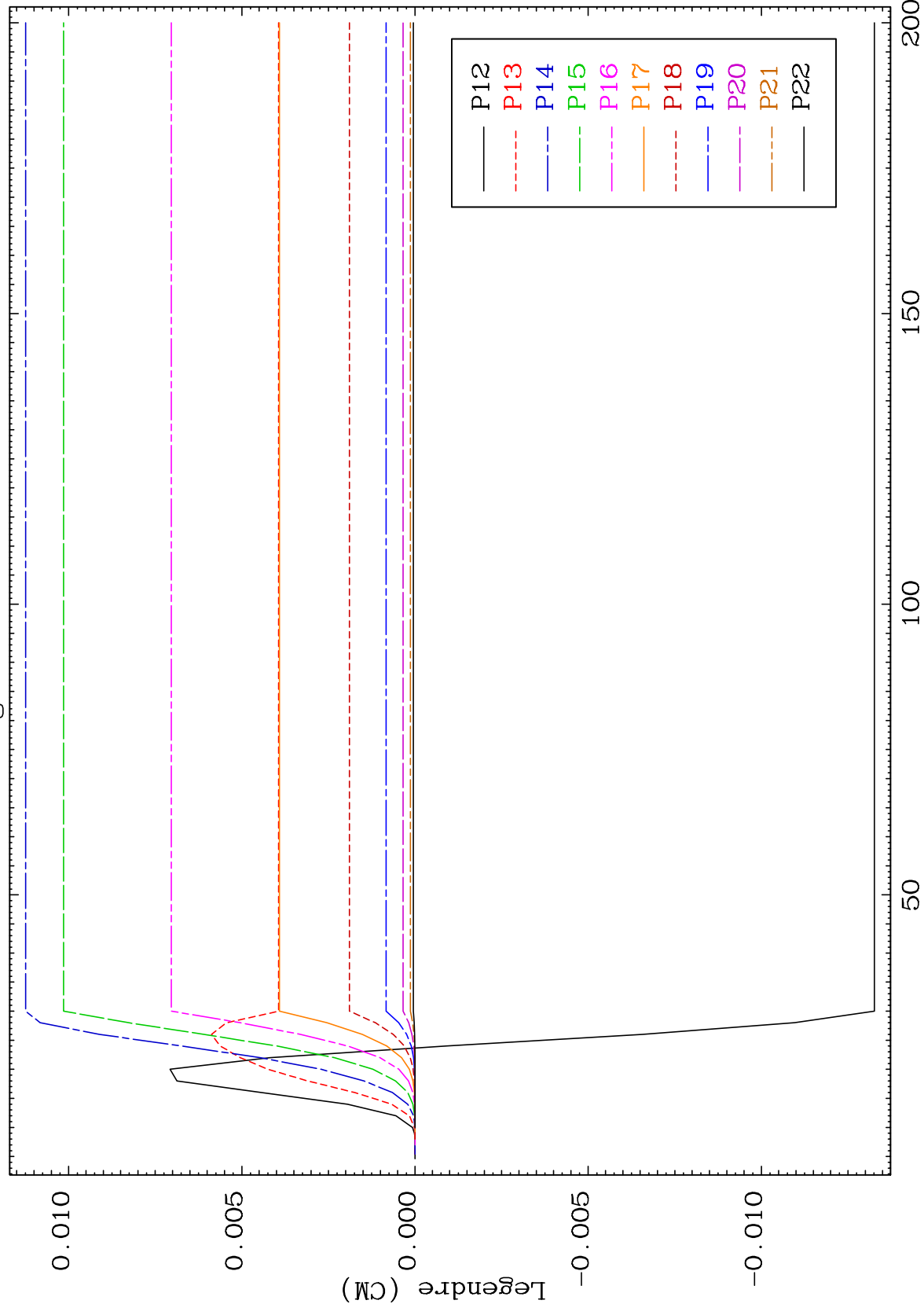




MAT 2937

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

29-Cu-67



57

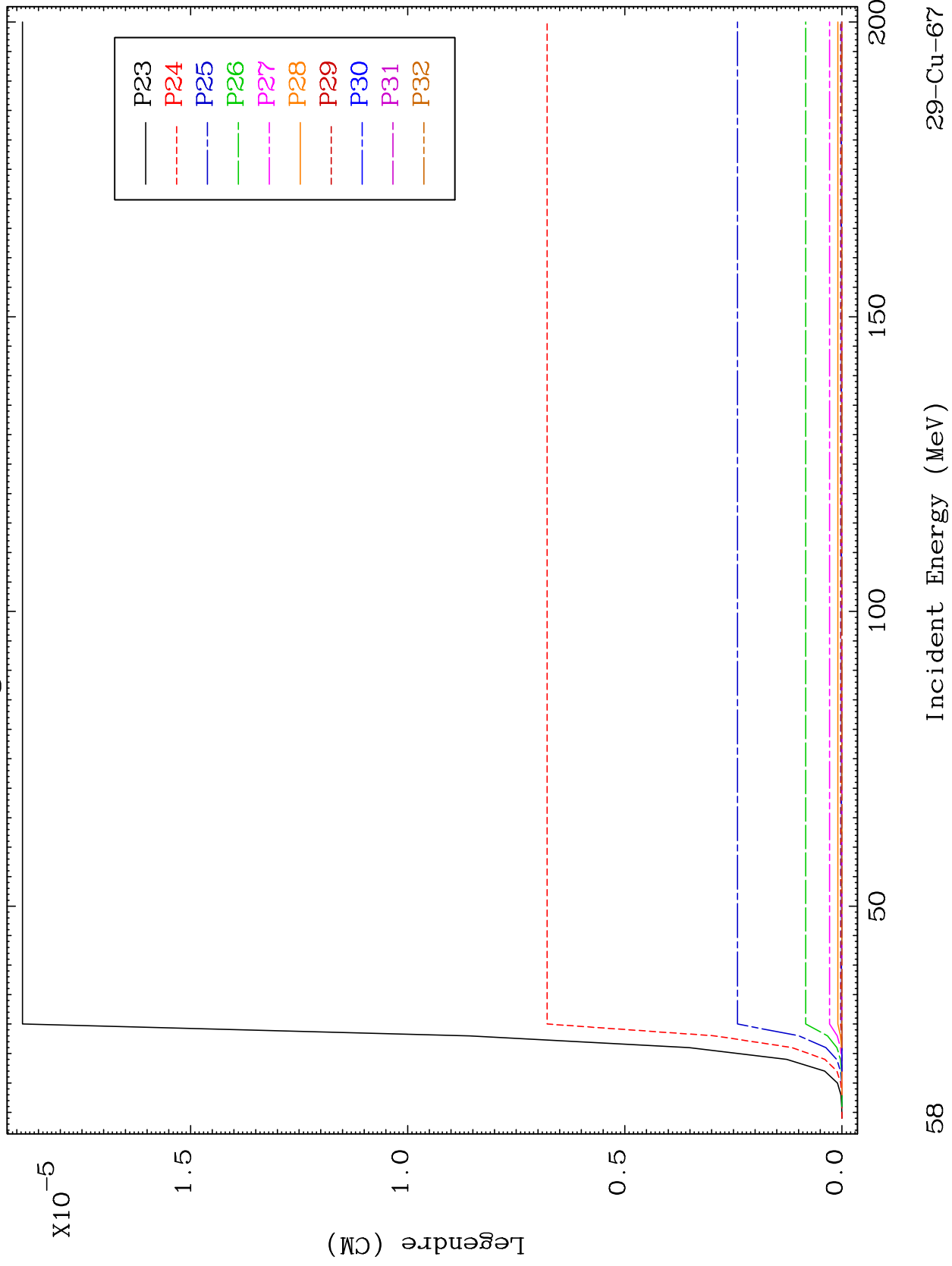
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

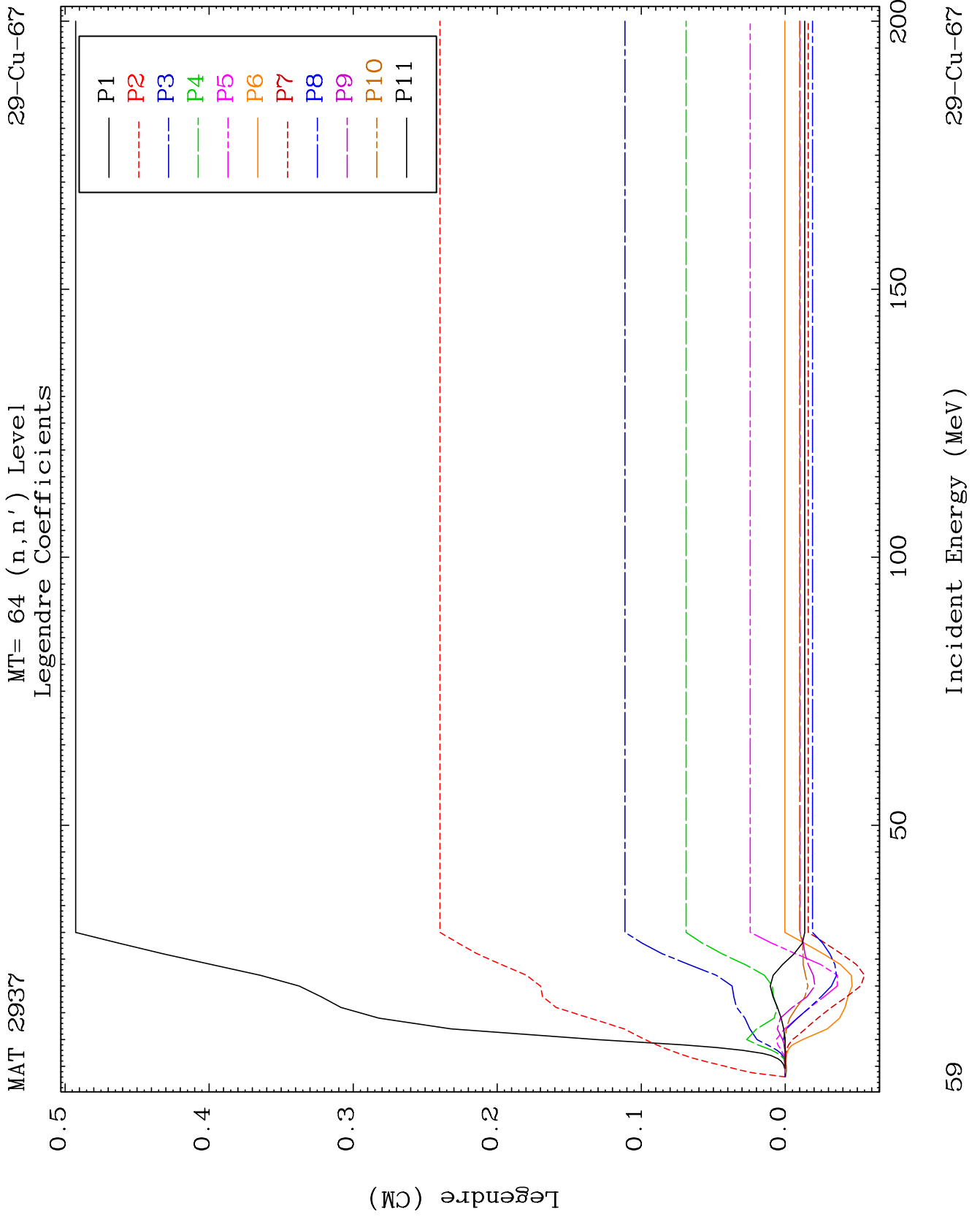
29-Cu-67



58

Incident Energy (MeV)

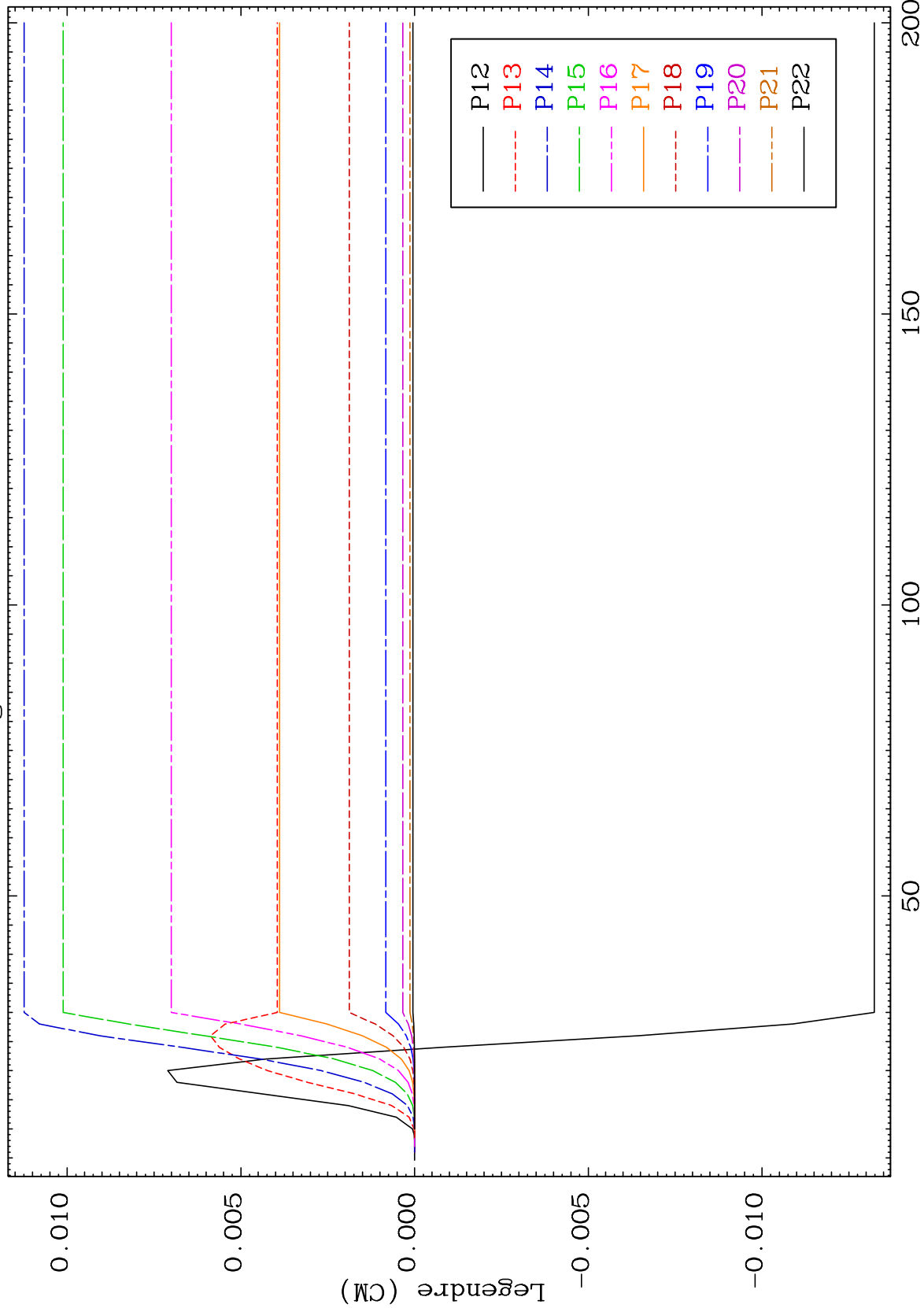
29-Cu-67



MAT 2937

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

29-Cu-67



60

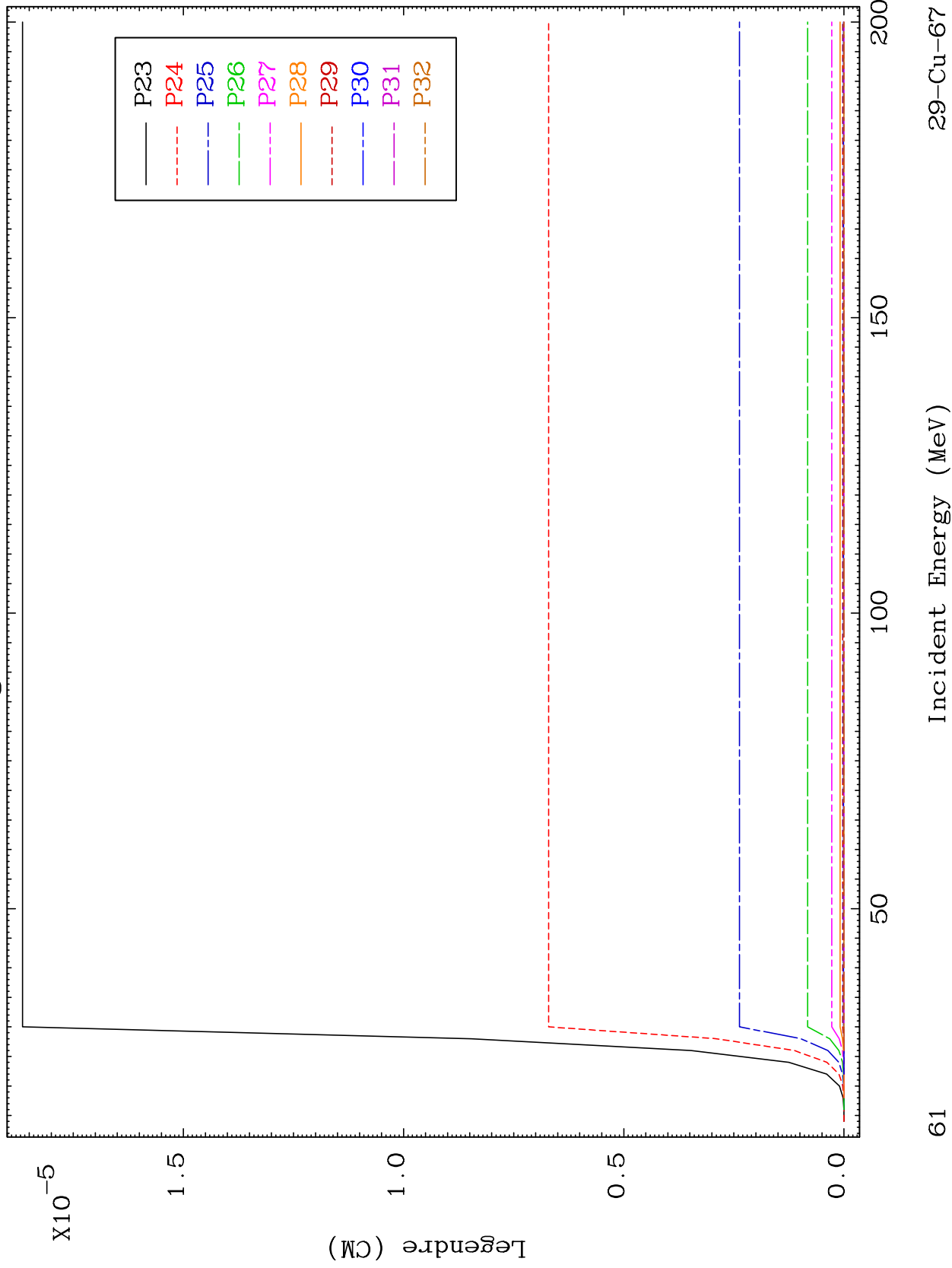
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

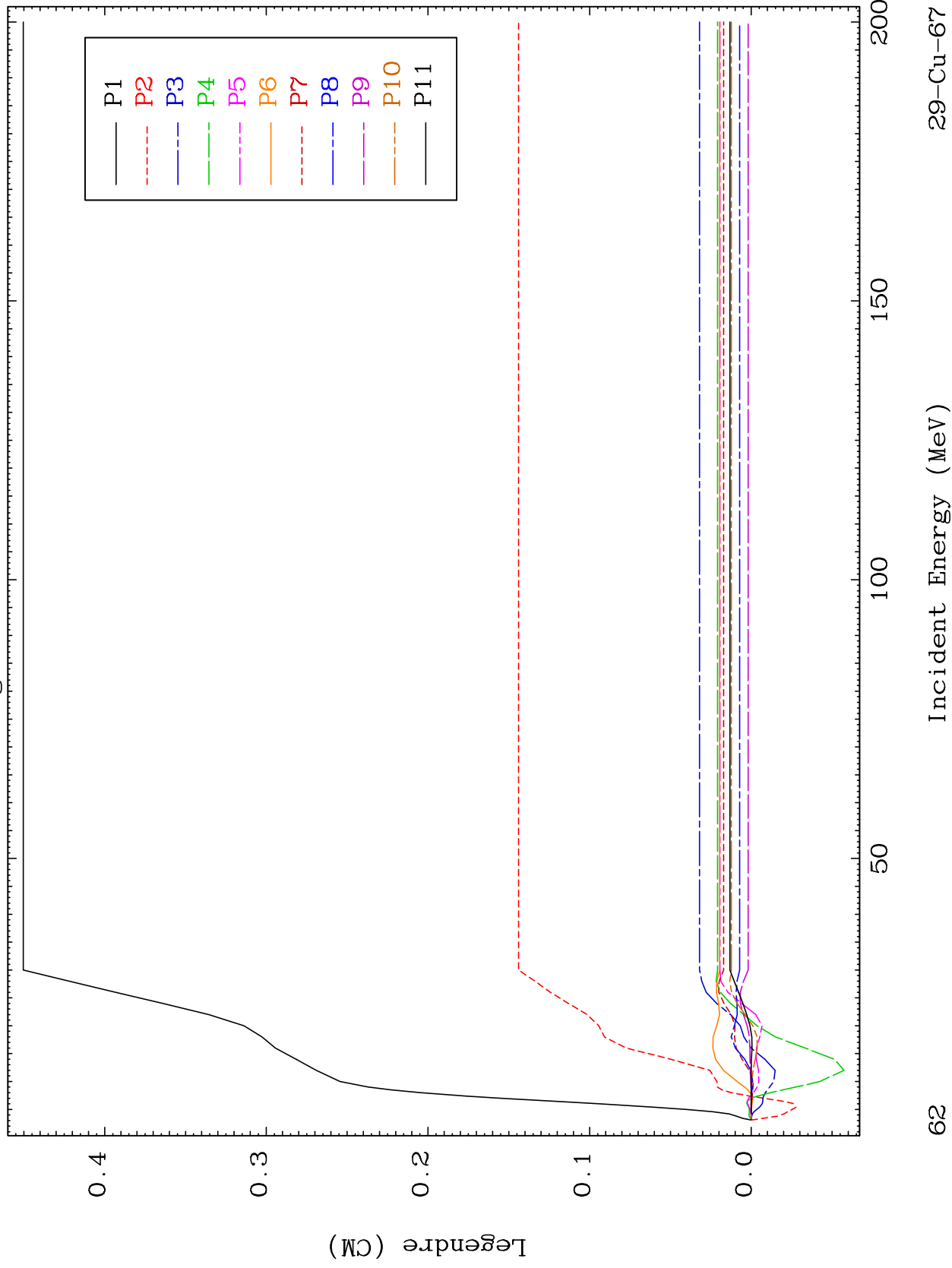
29-Cu-67



MAT 2937

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

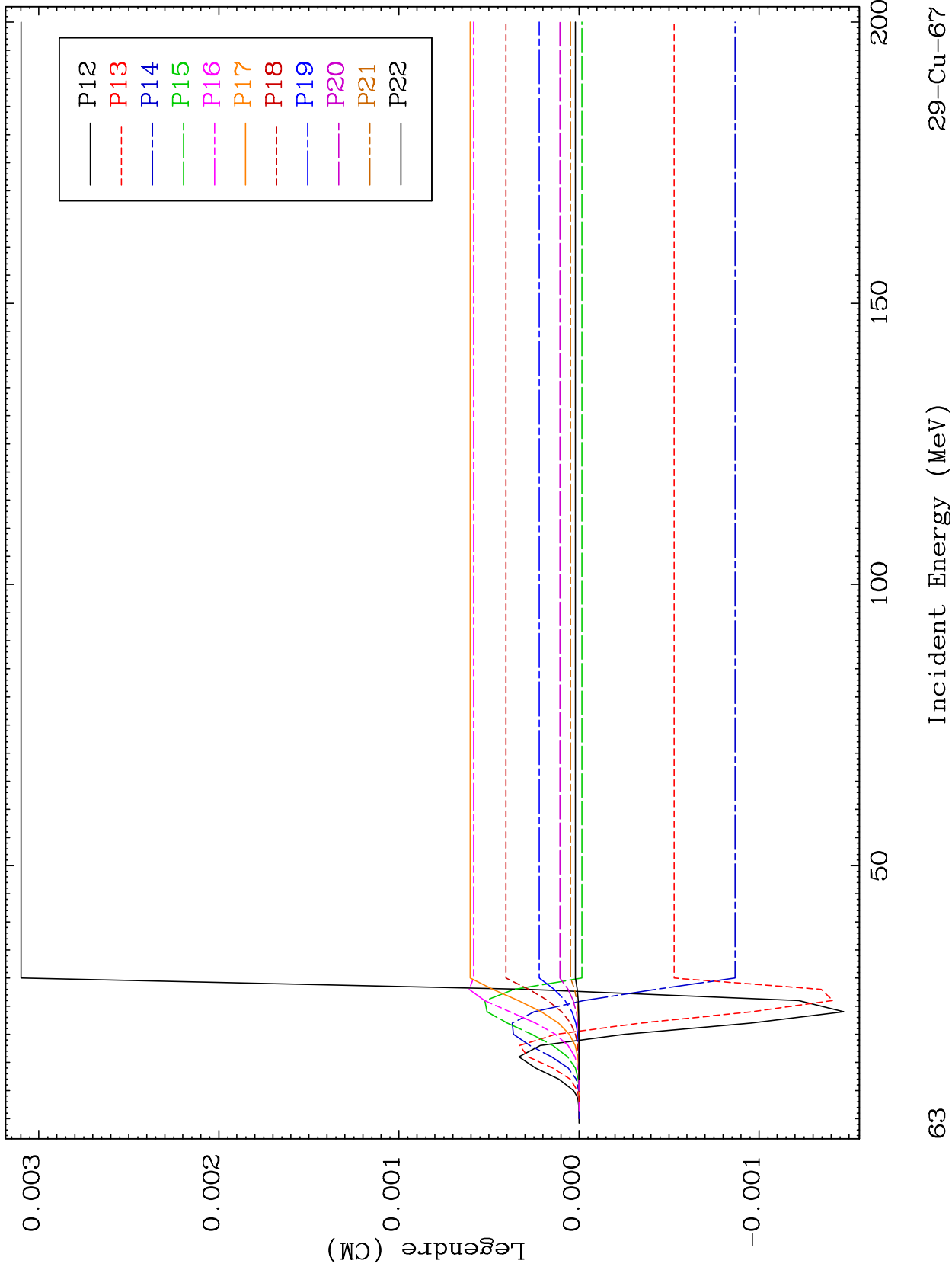
29-Cu-67



MAT 2937

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

29-Cu-67



63

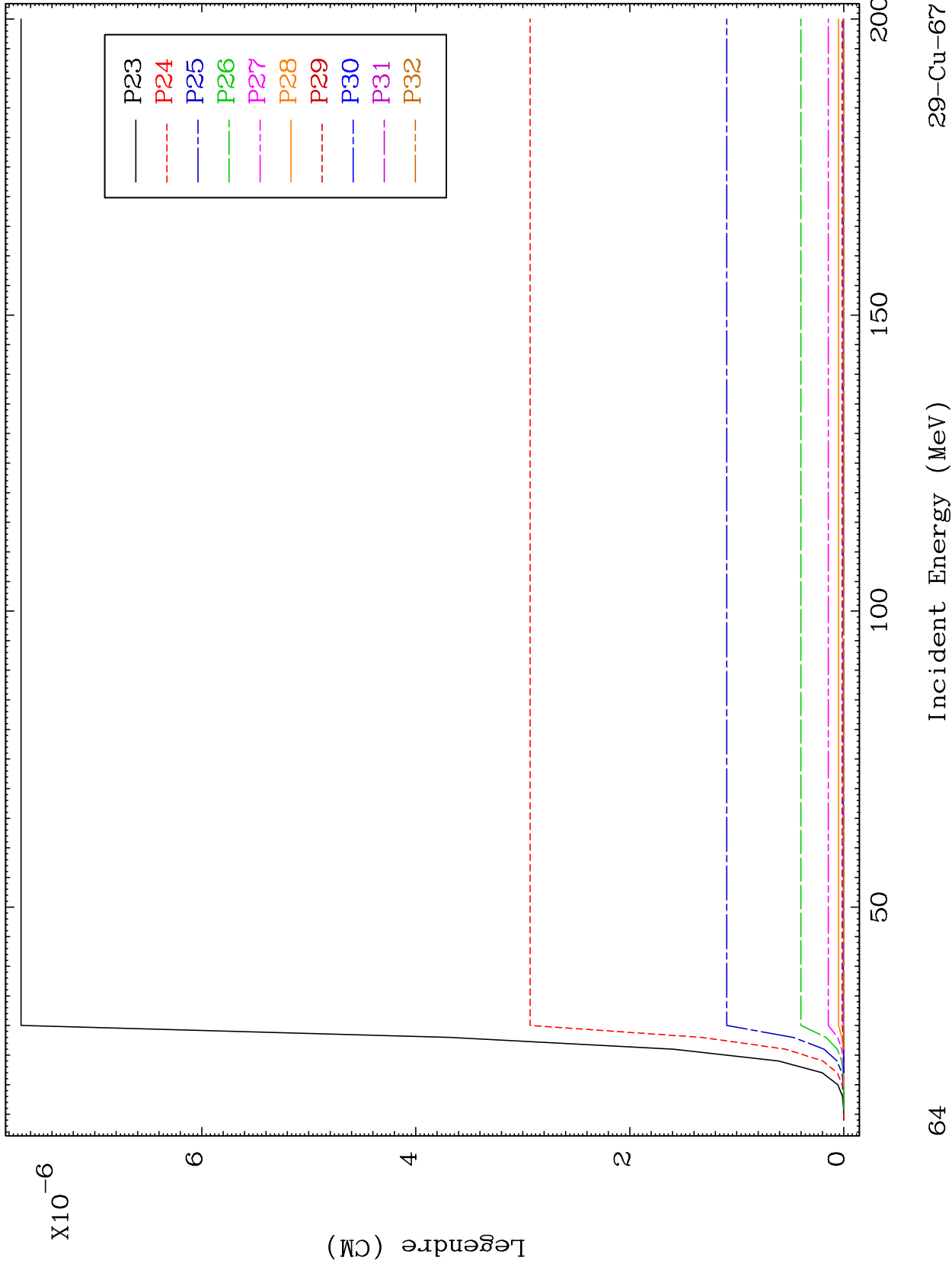
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

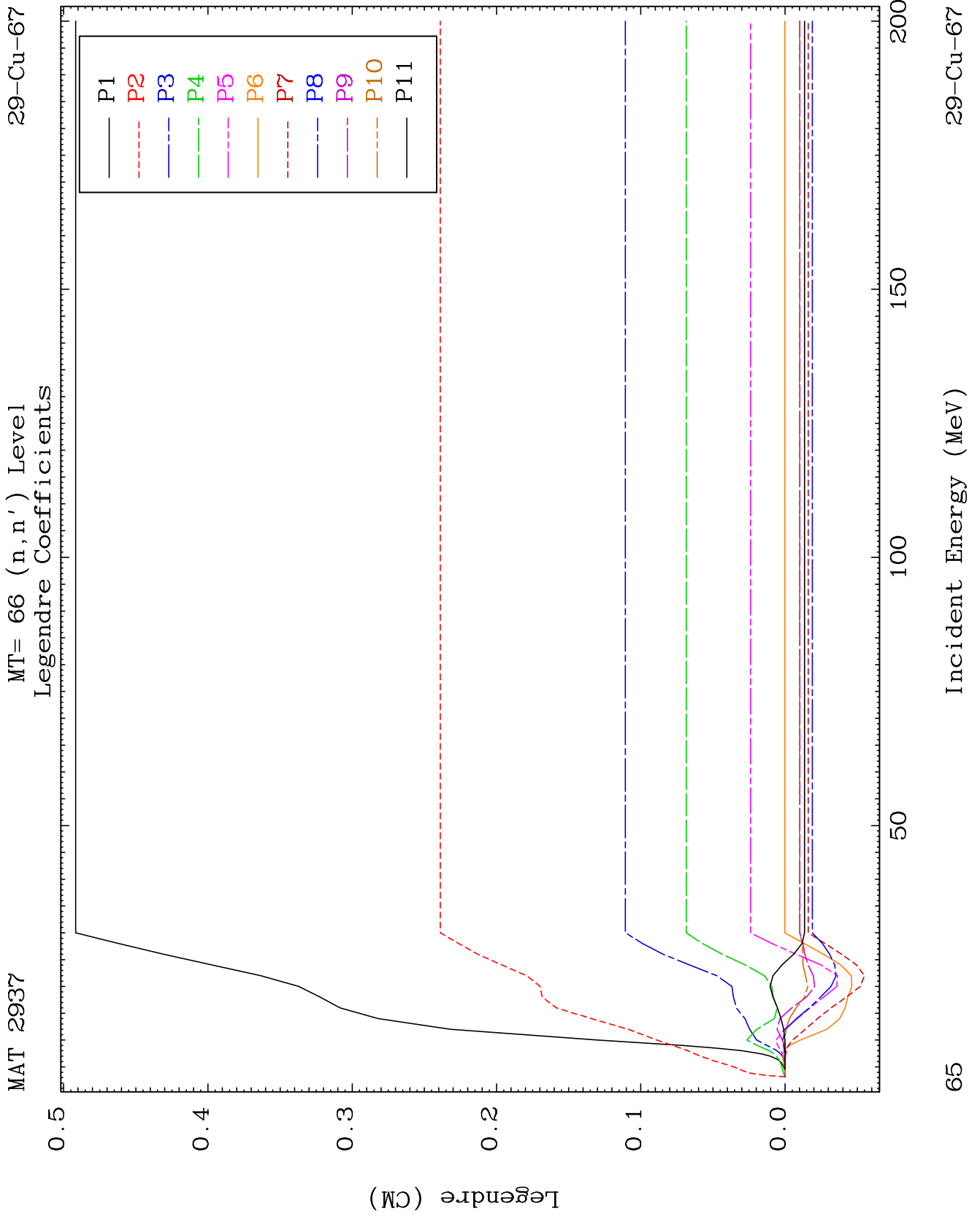
29-Cu-67



64

Incident Energy (MeV)

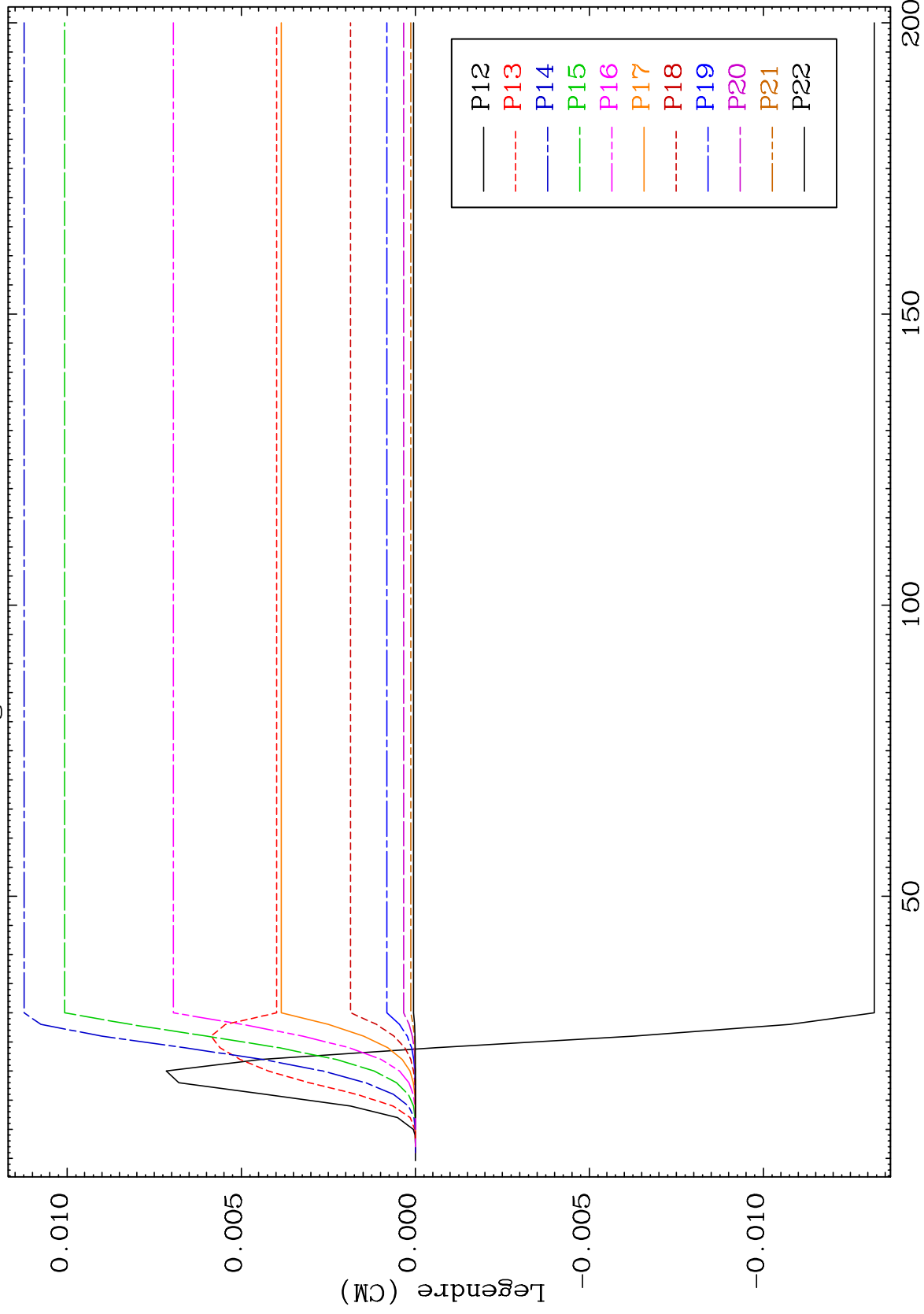
29-Cu-67



MAT 2937

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

29-Cu-67



66

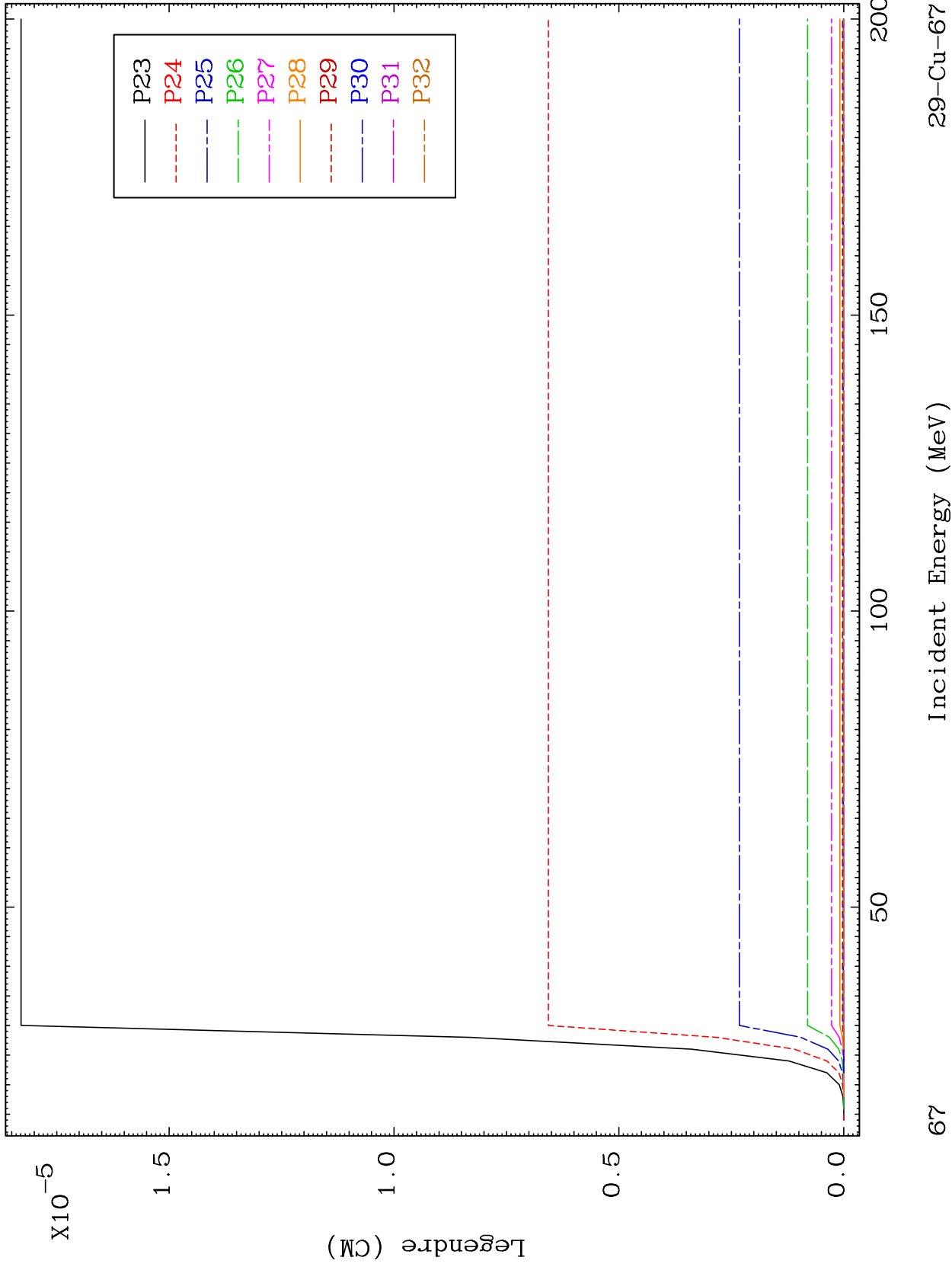
Incident Energy (MeV)

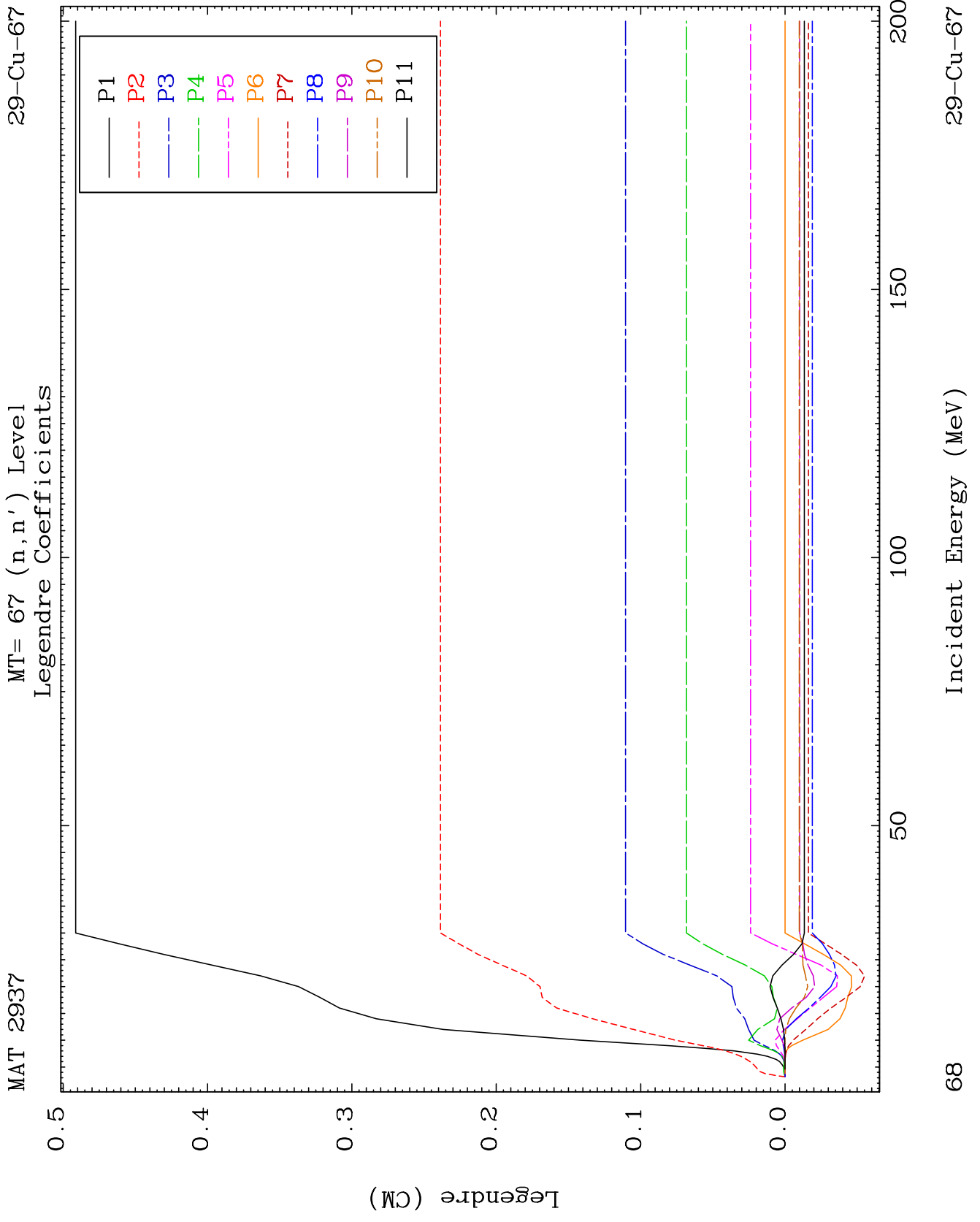
29-Cu-67

MAT 2937

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

29-Cu-67

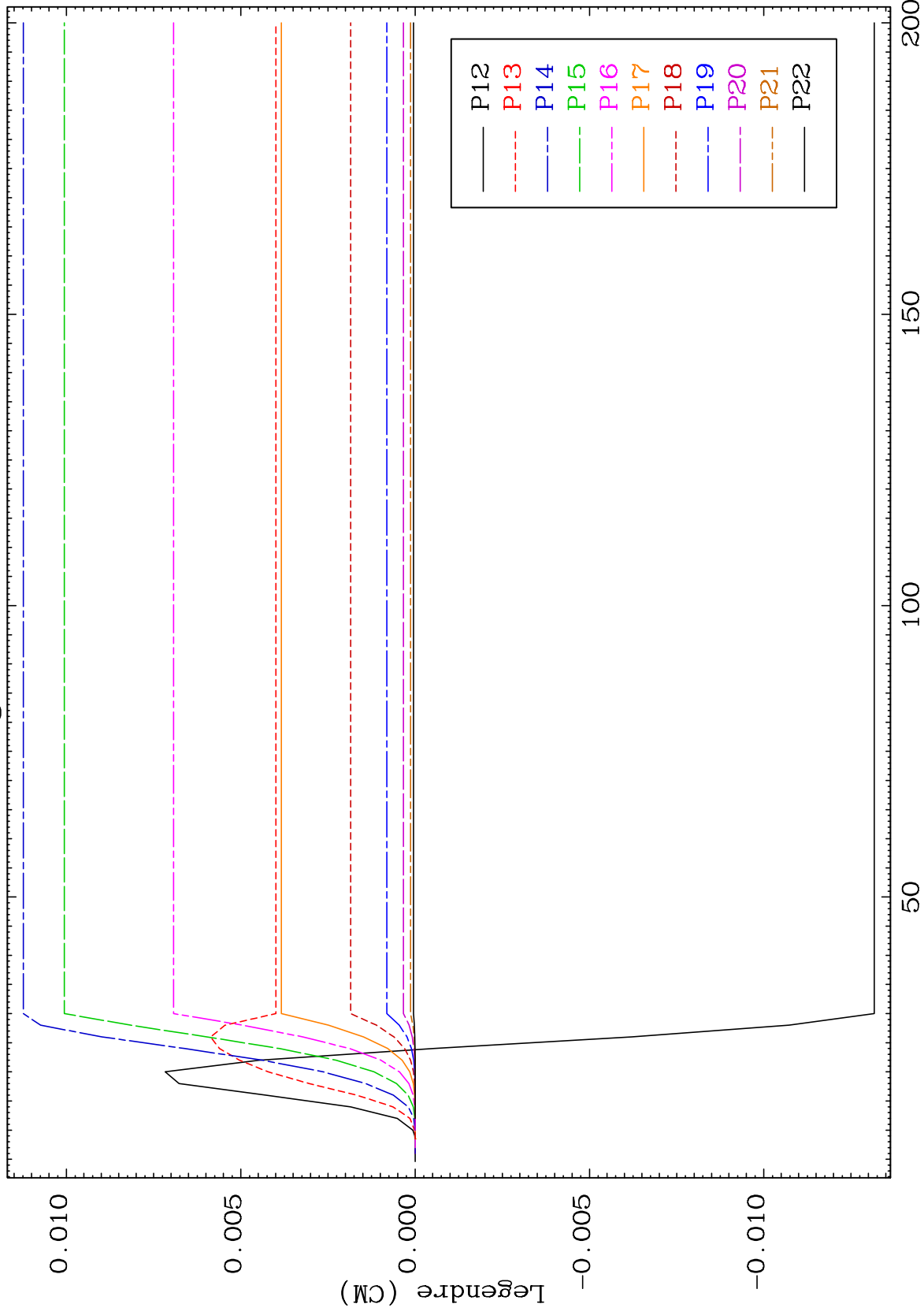




MAT 2937

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

29-Cu-67



69

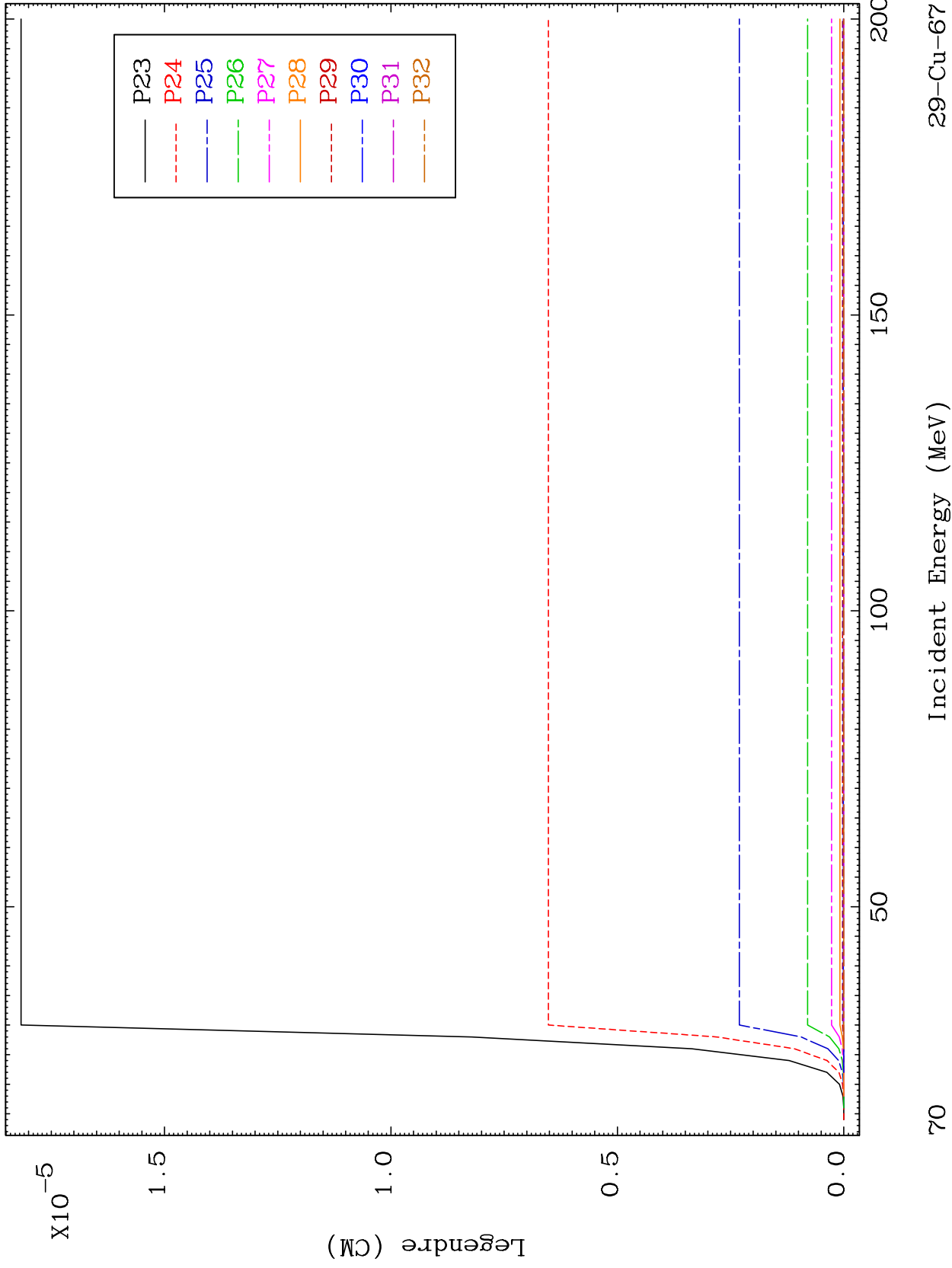
Incident Energy (MeV)

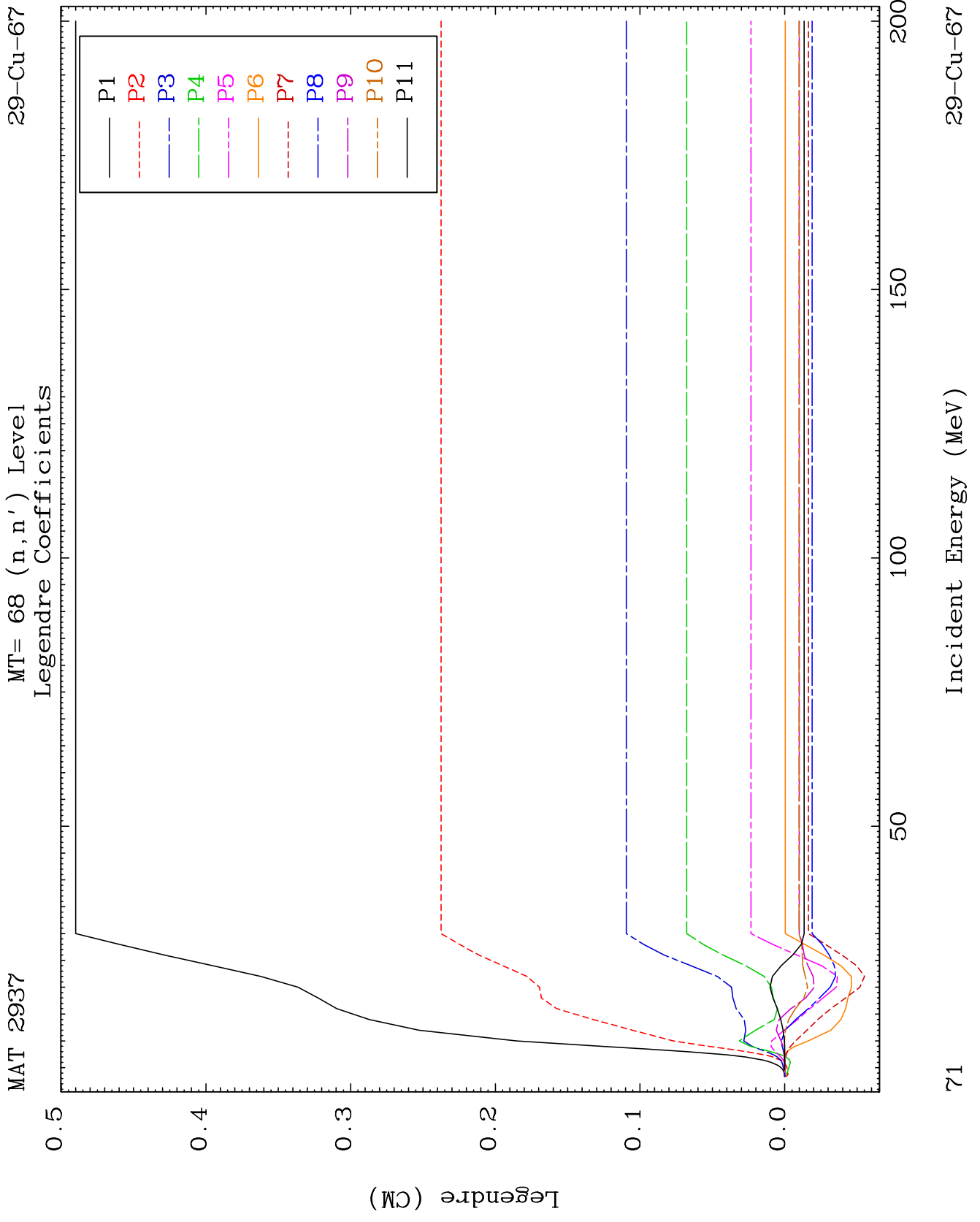
29-Cu-67

MAT 2937

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

29-Cu-67

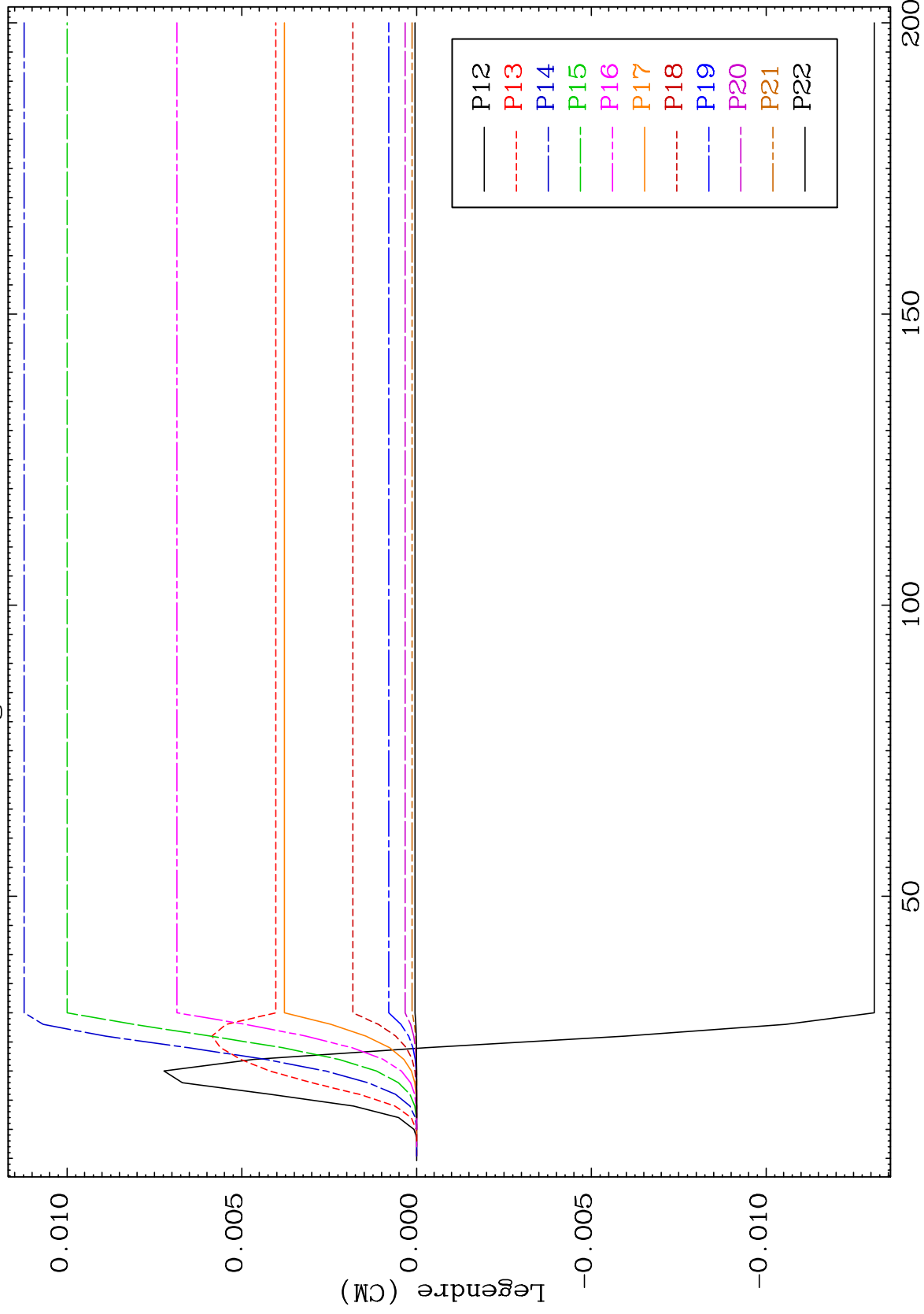




MAT 2937

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

29-Cu-67



72

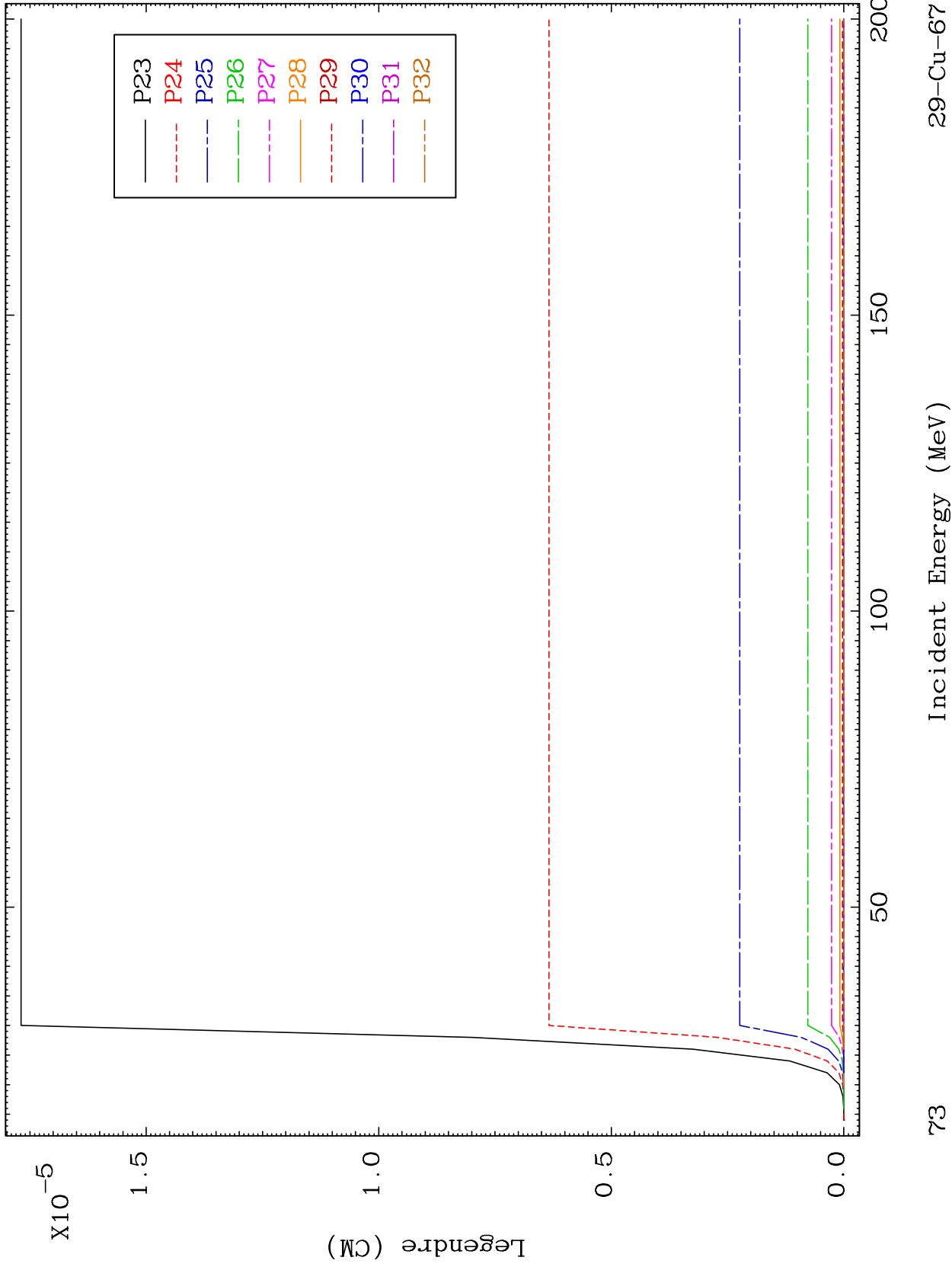
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

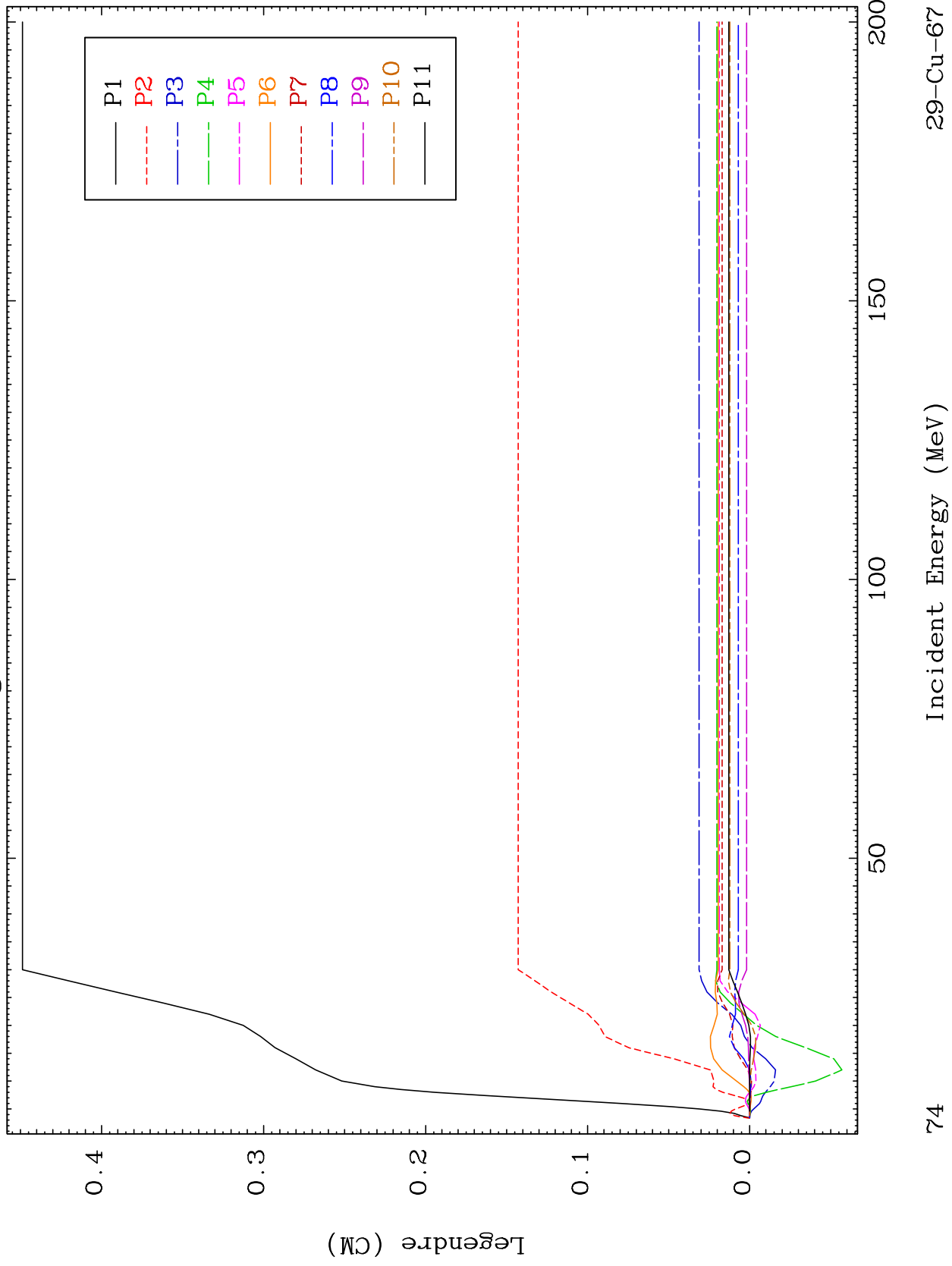
29-Cu-67



MAT 2937

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

29-Cu-67



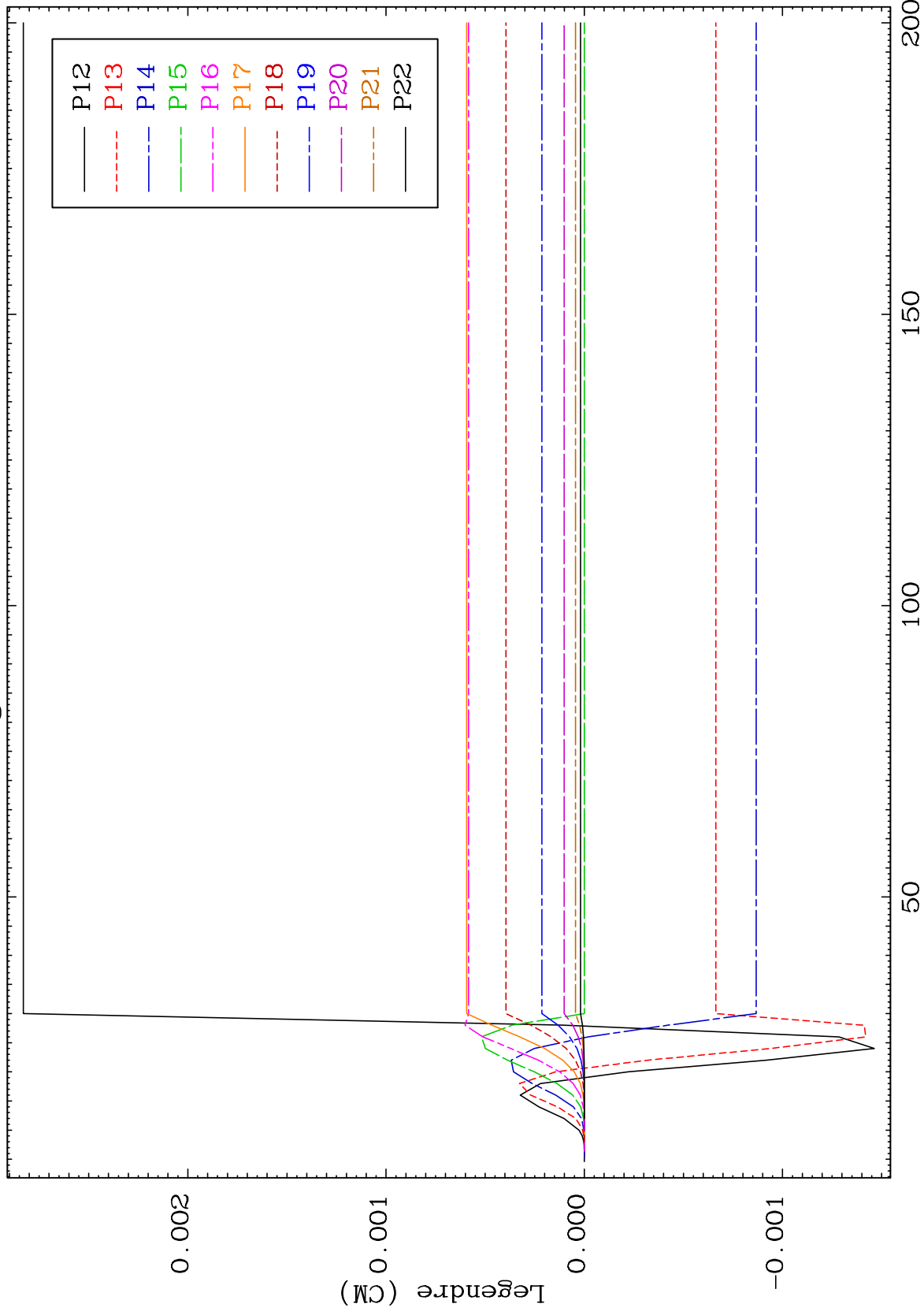
74

29-Cu-67

MAT 2937

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

29-Cu-67



75

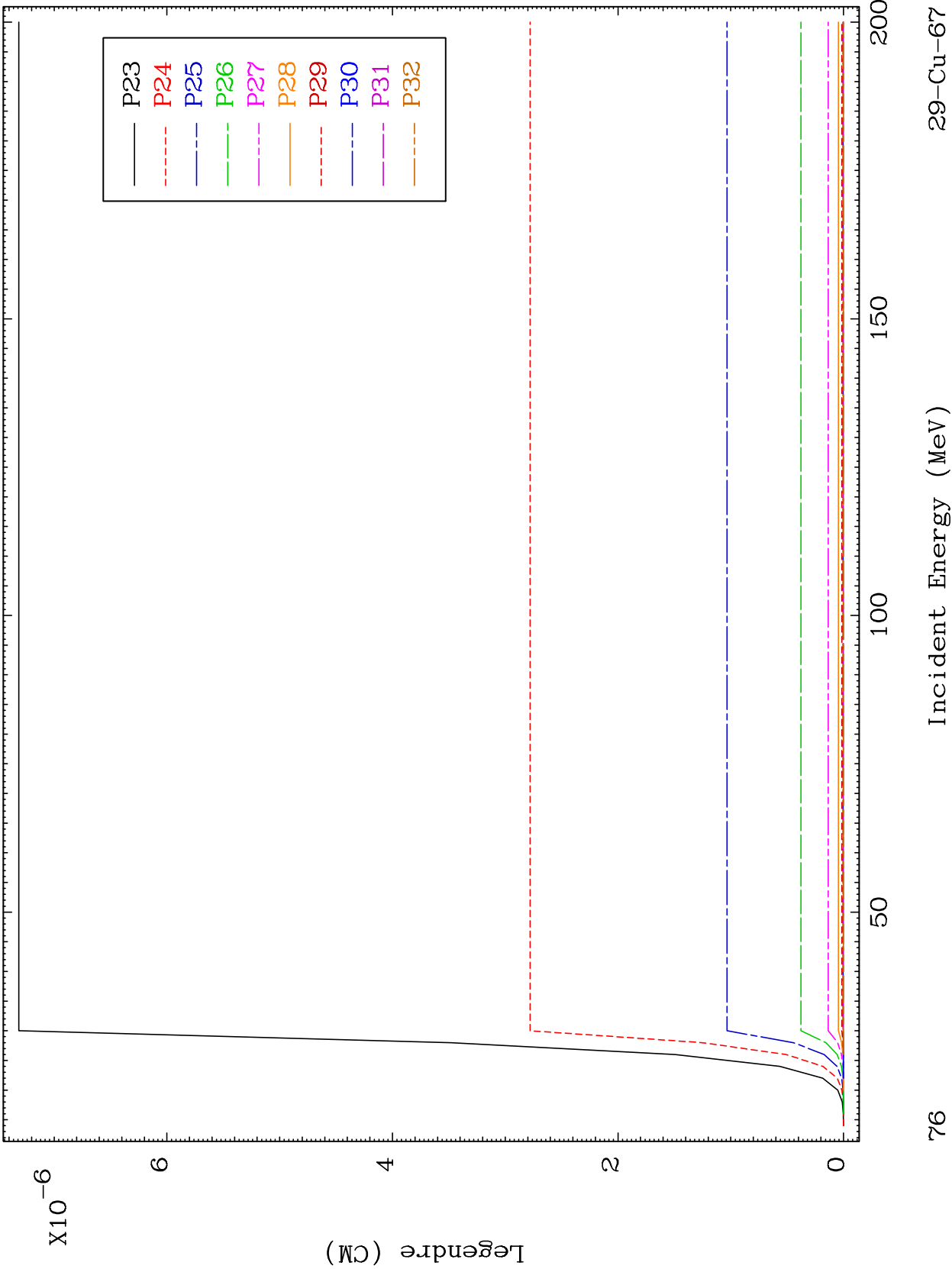
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



76

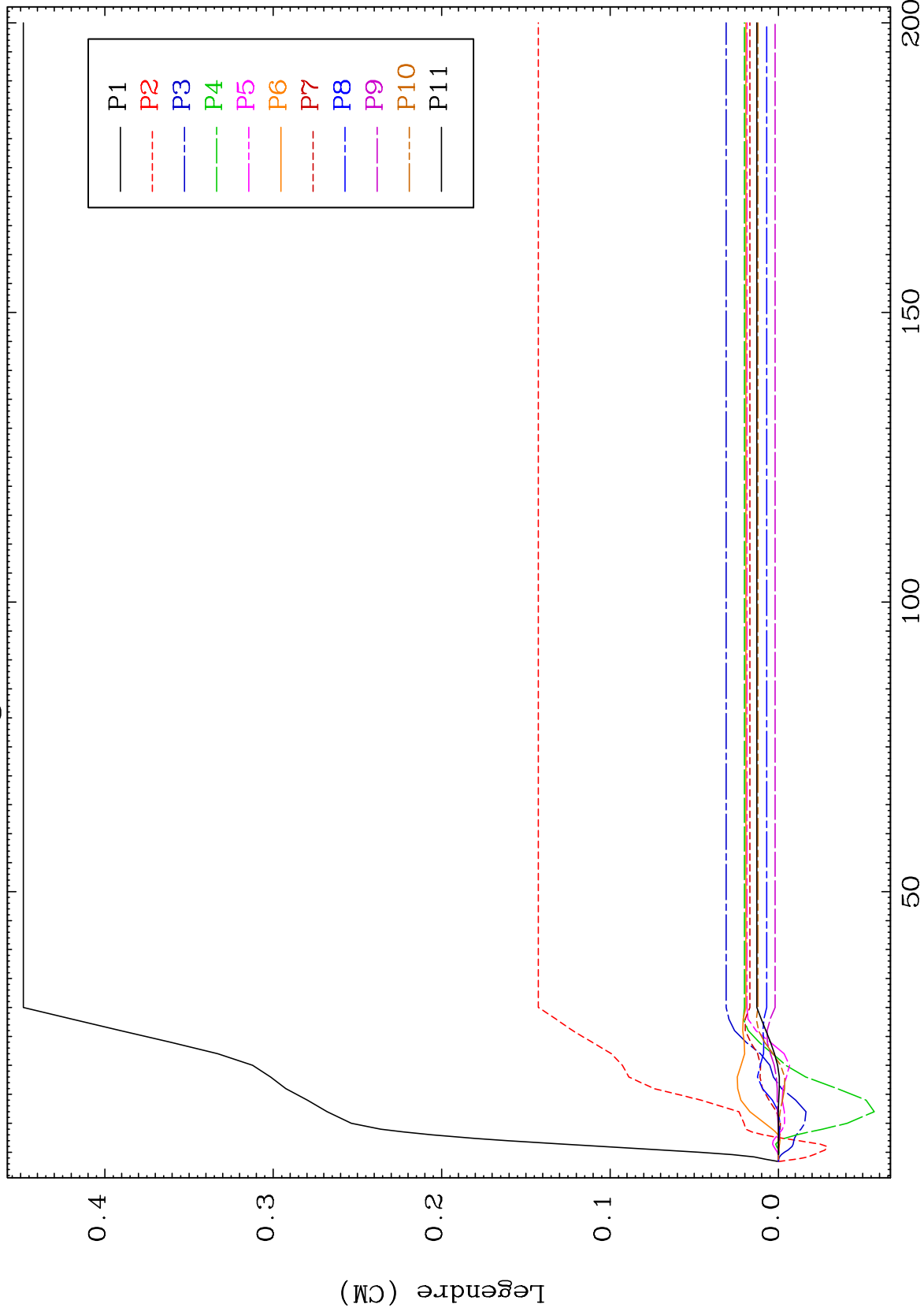
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



77

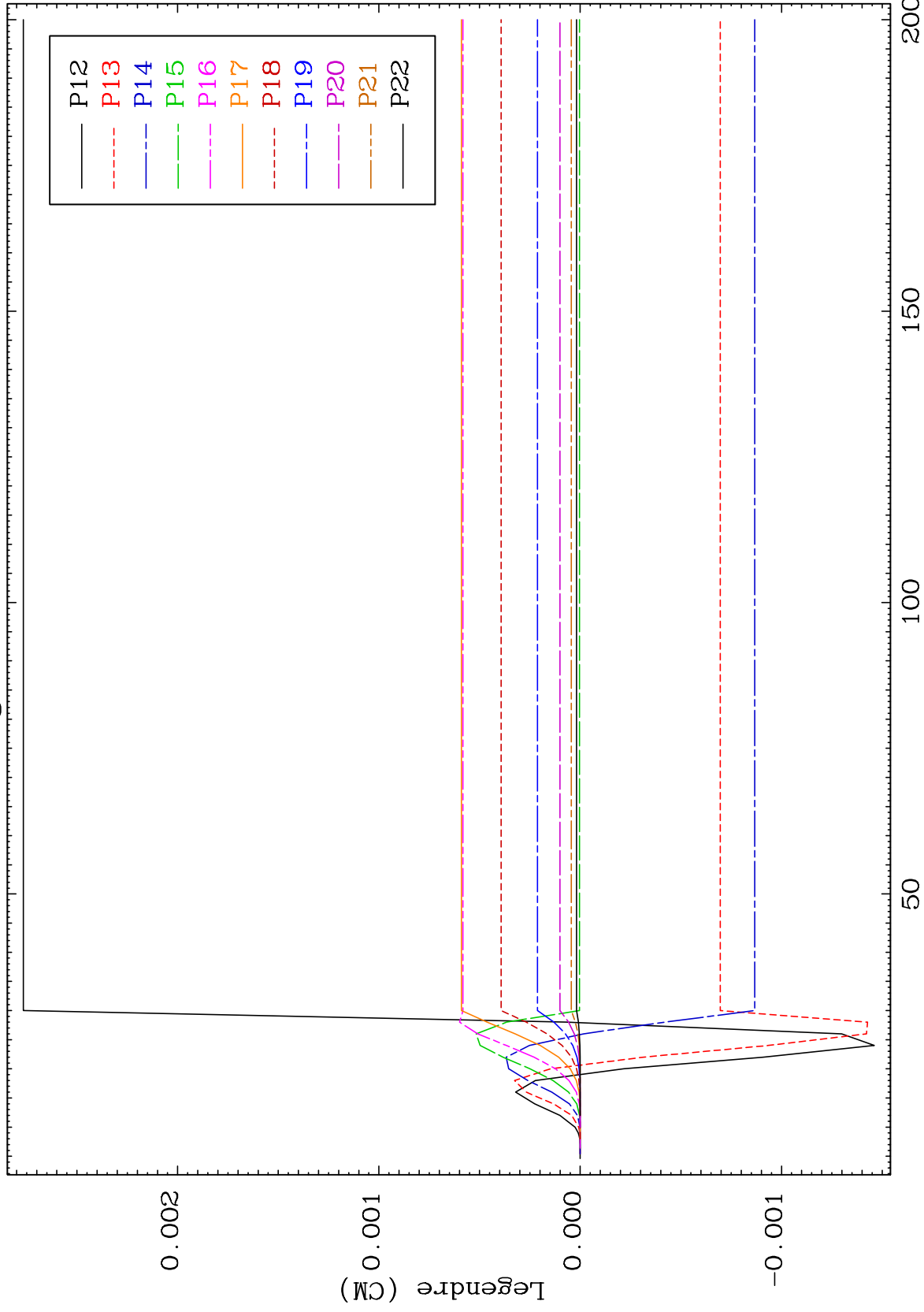
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



78

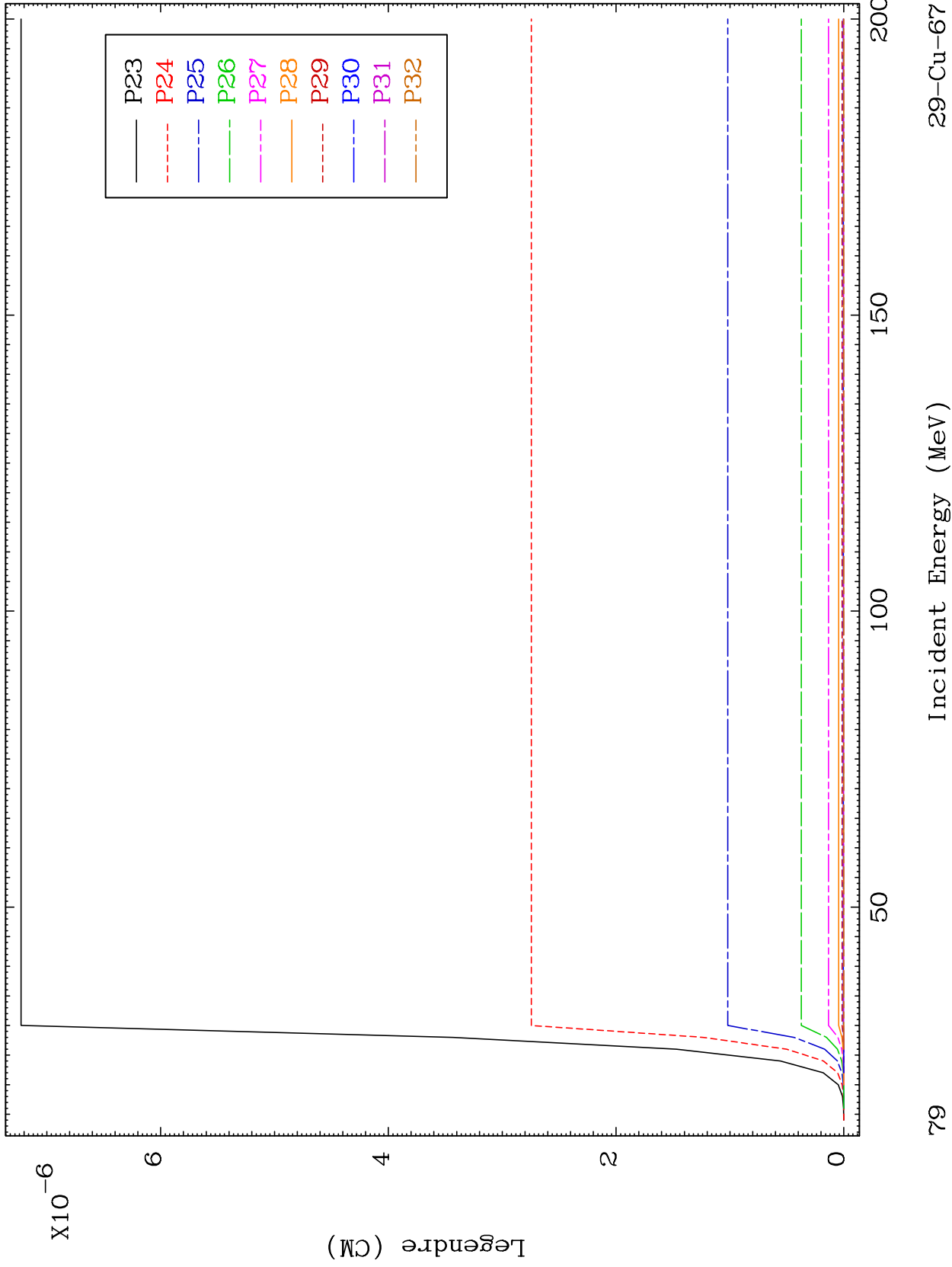
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67

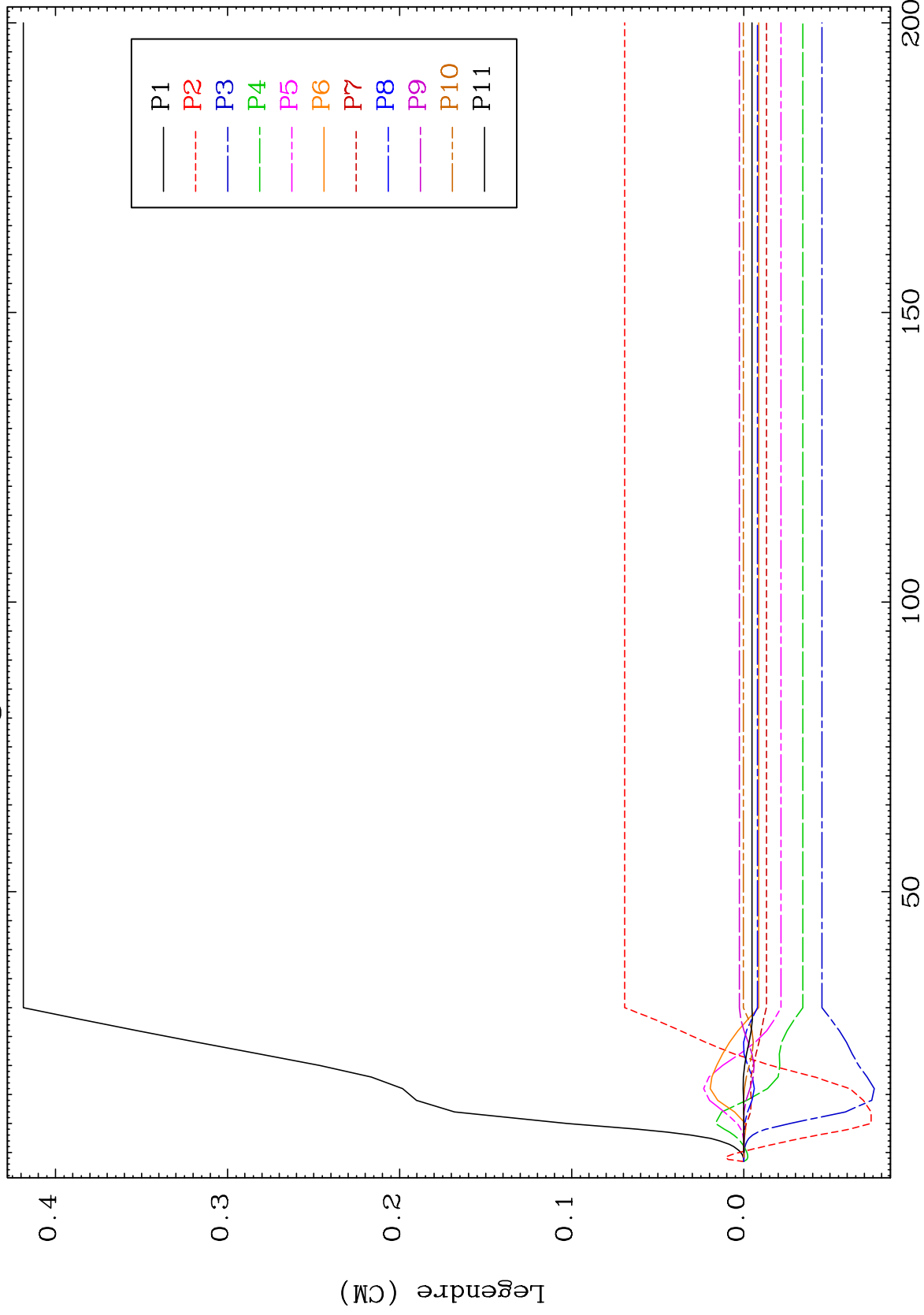


79

MAT 2937

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

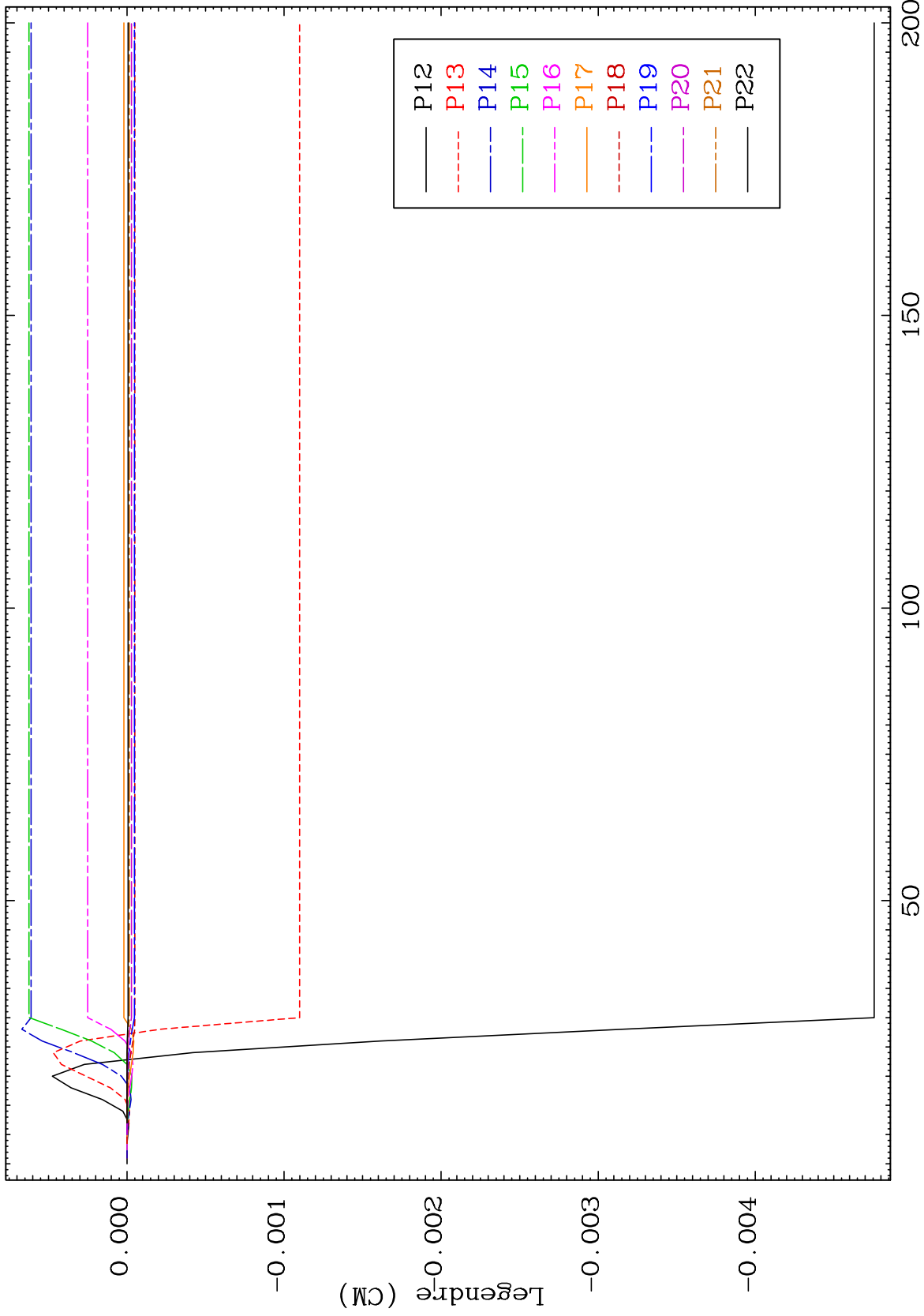
29-Cu-67

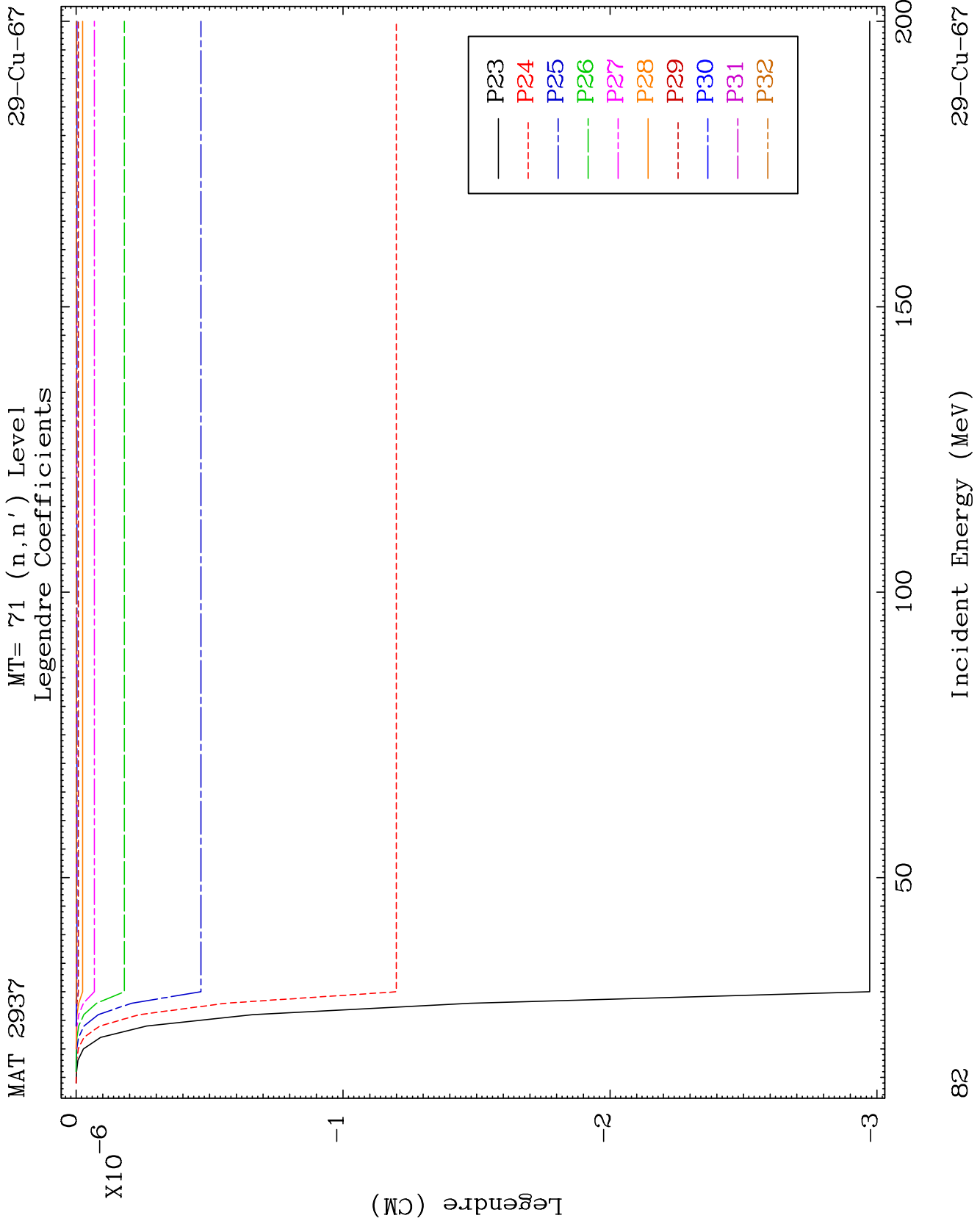


80

Incident Energy (MeV)

29-Cu-67

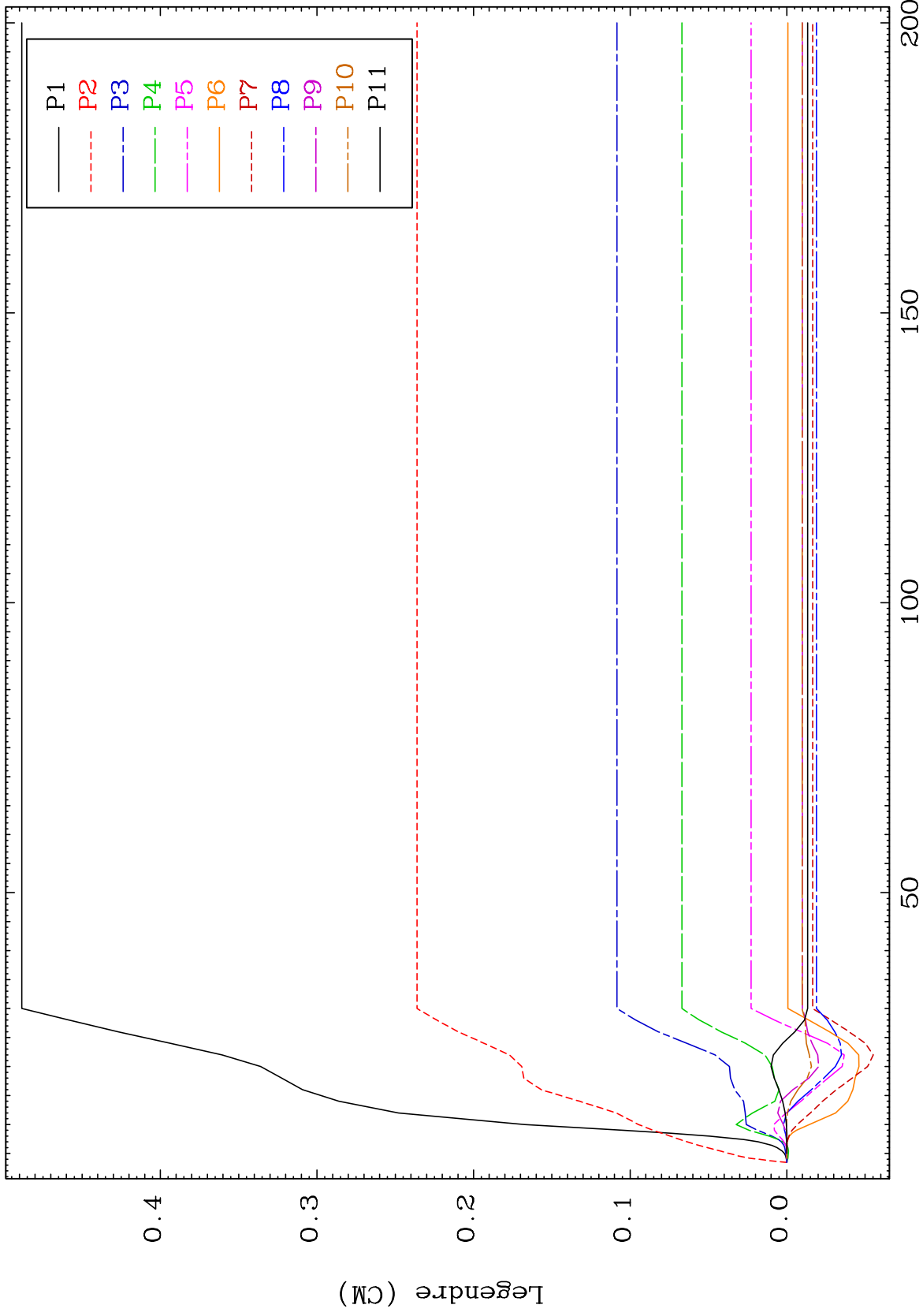




MAT 2937

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

29-Cu-67



83

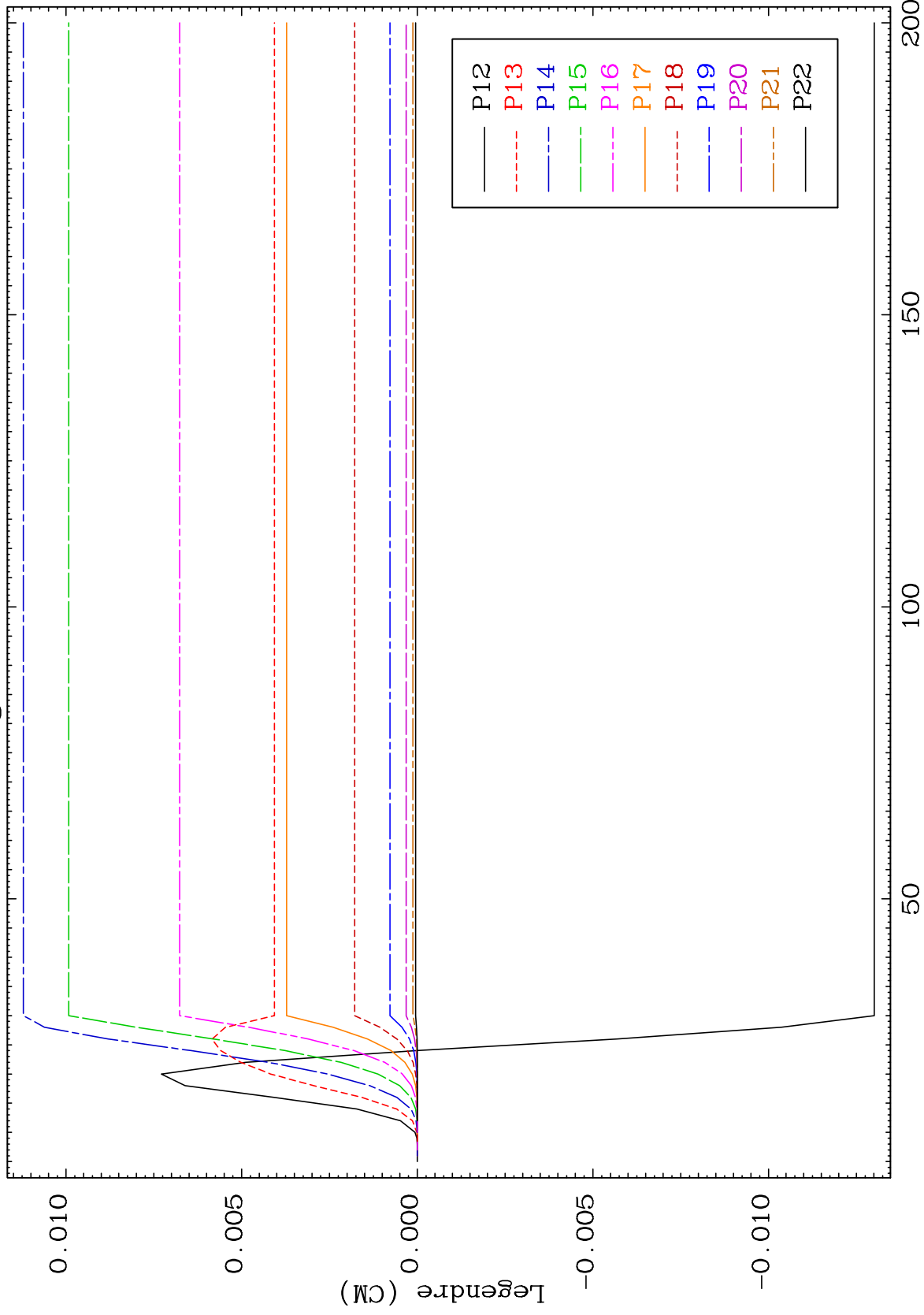
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



84

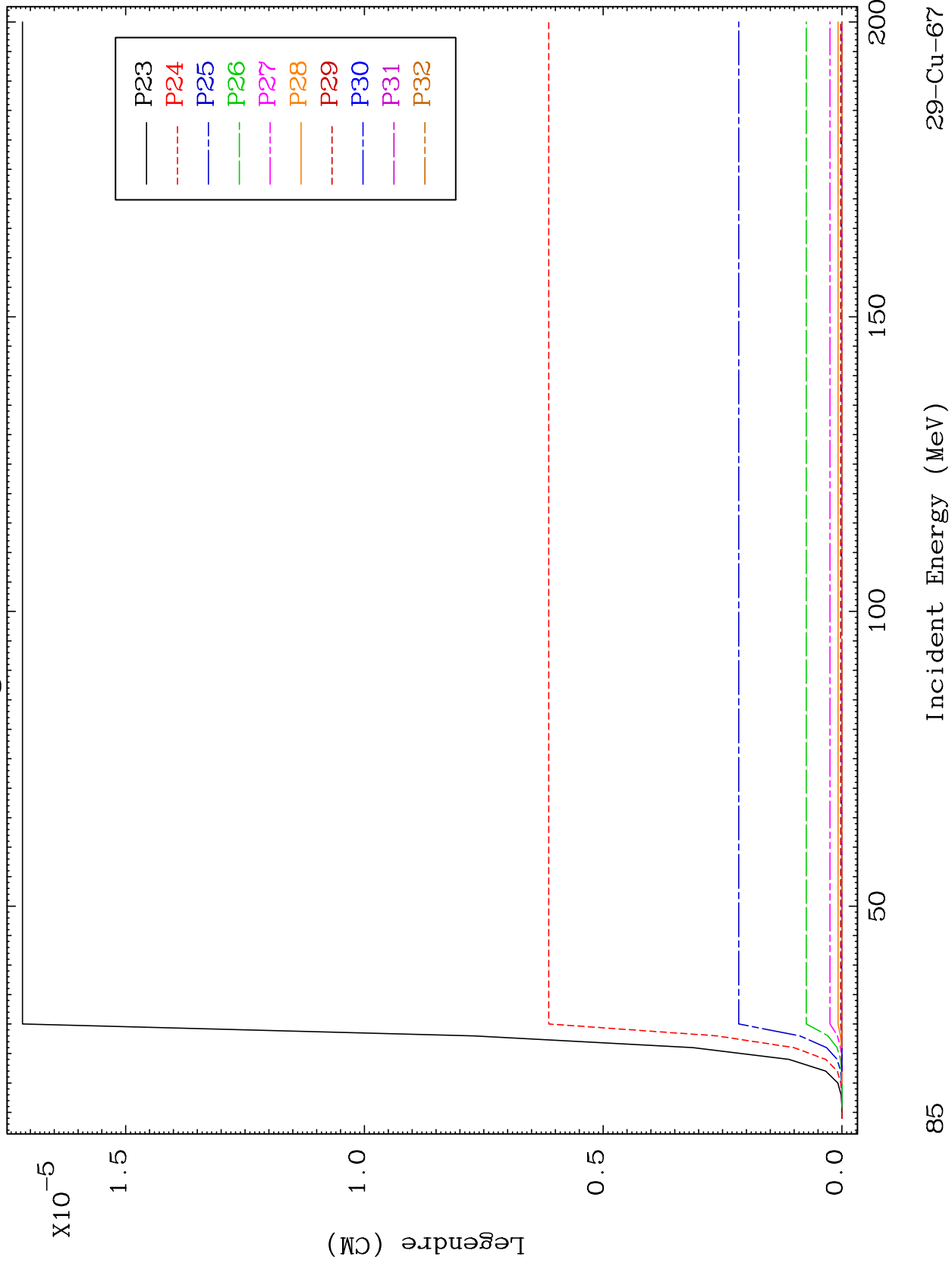
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



85

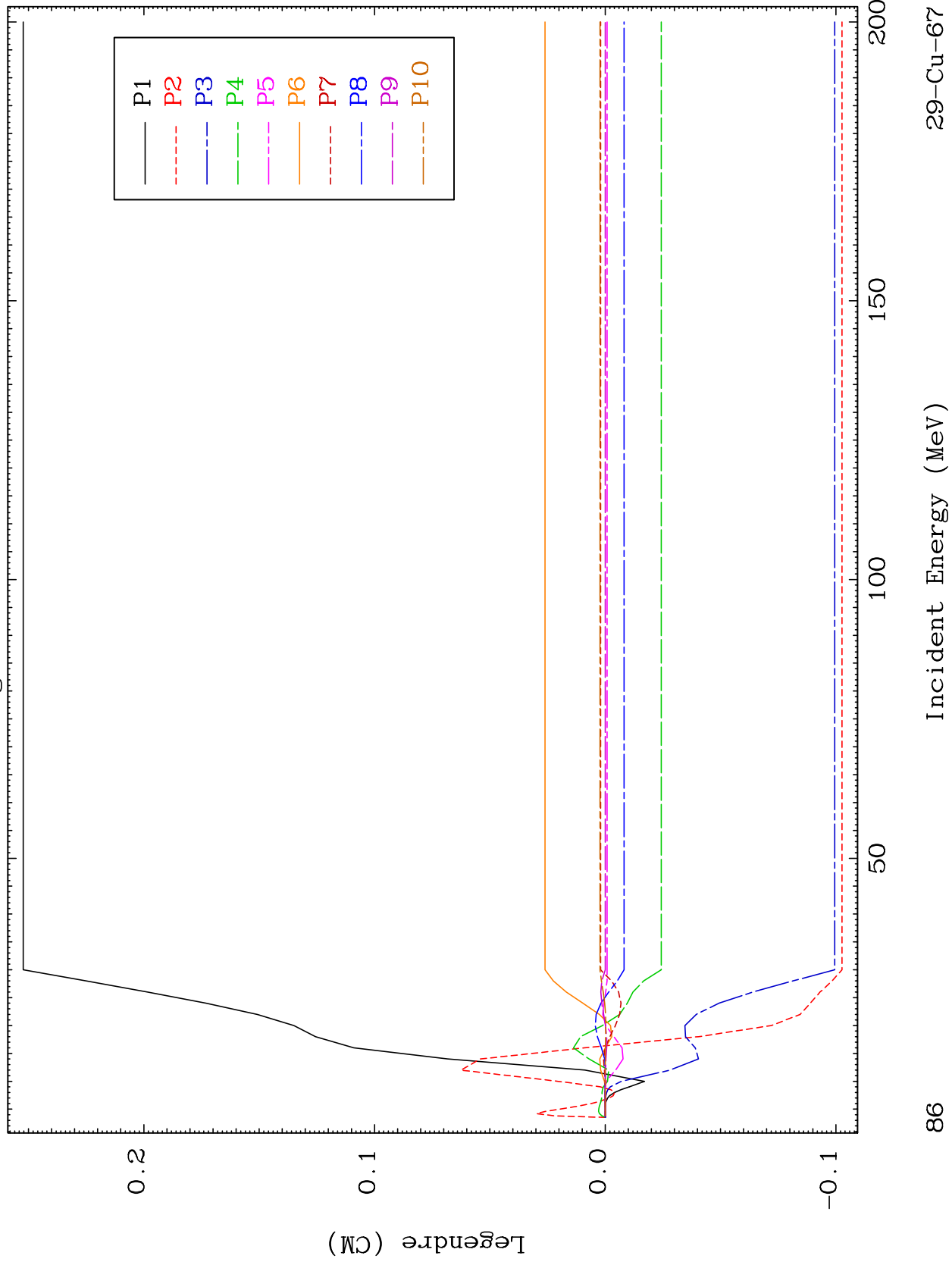
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



86

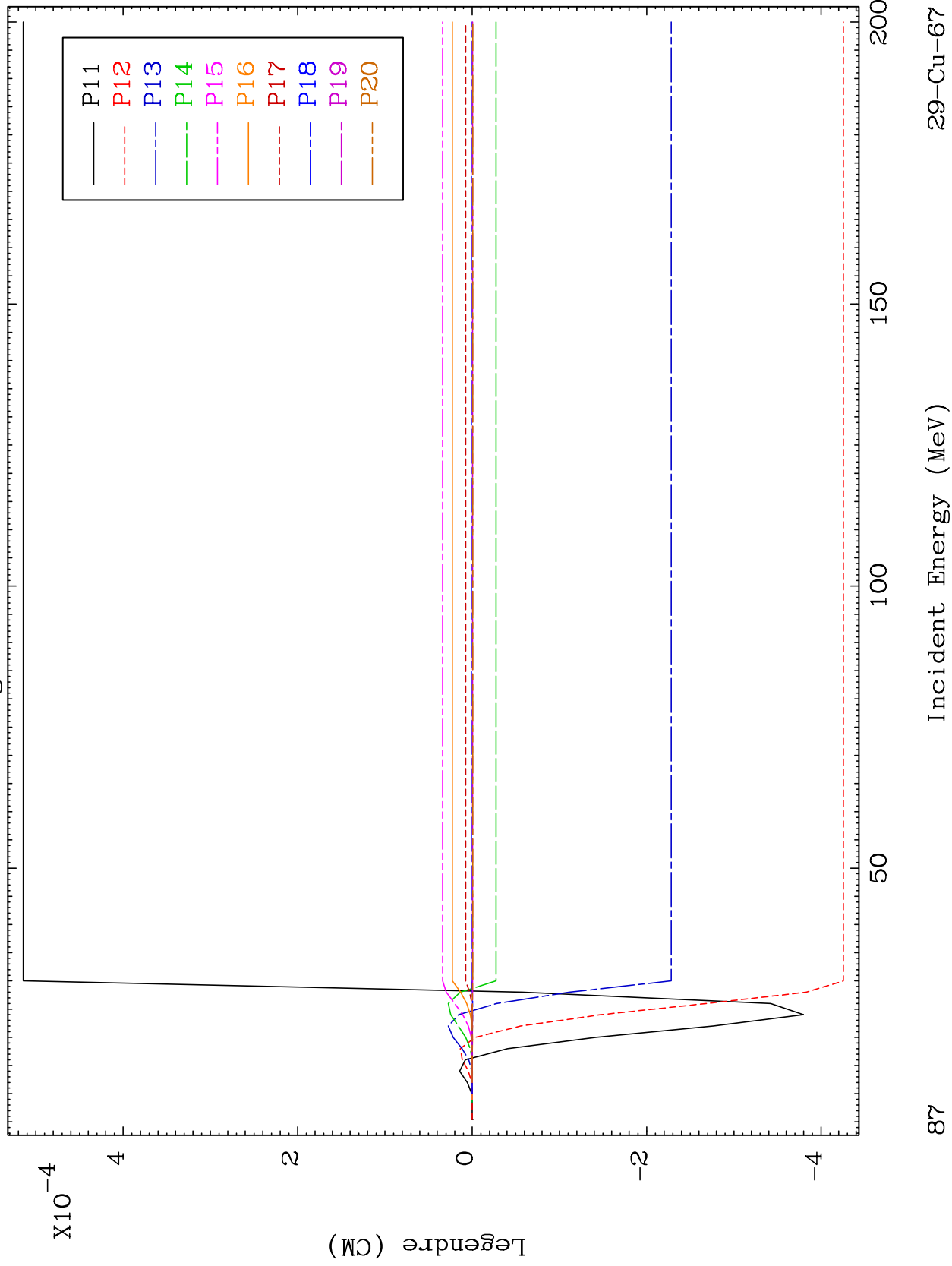
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



87

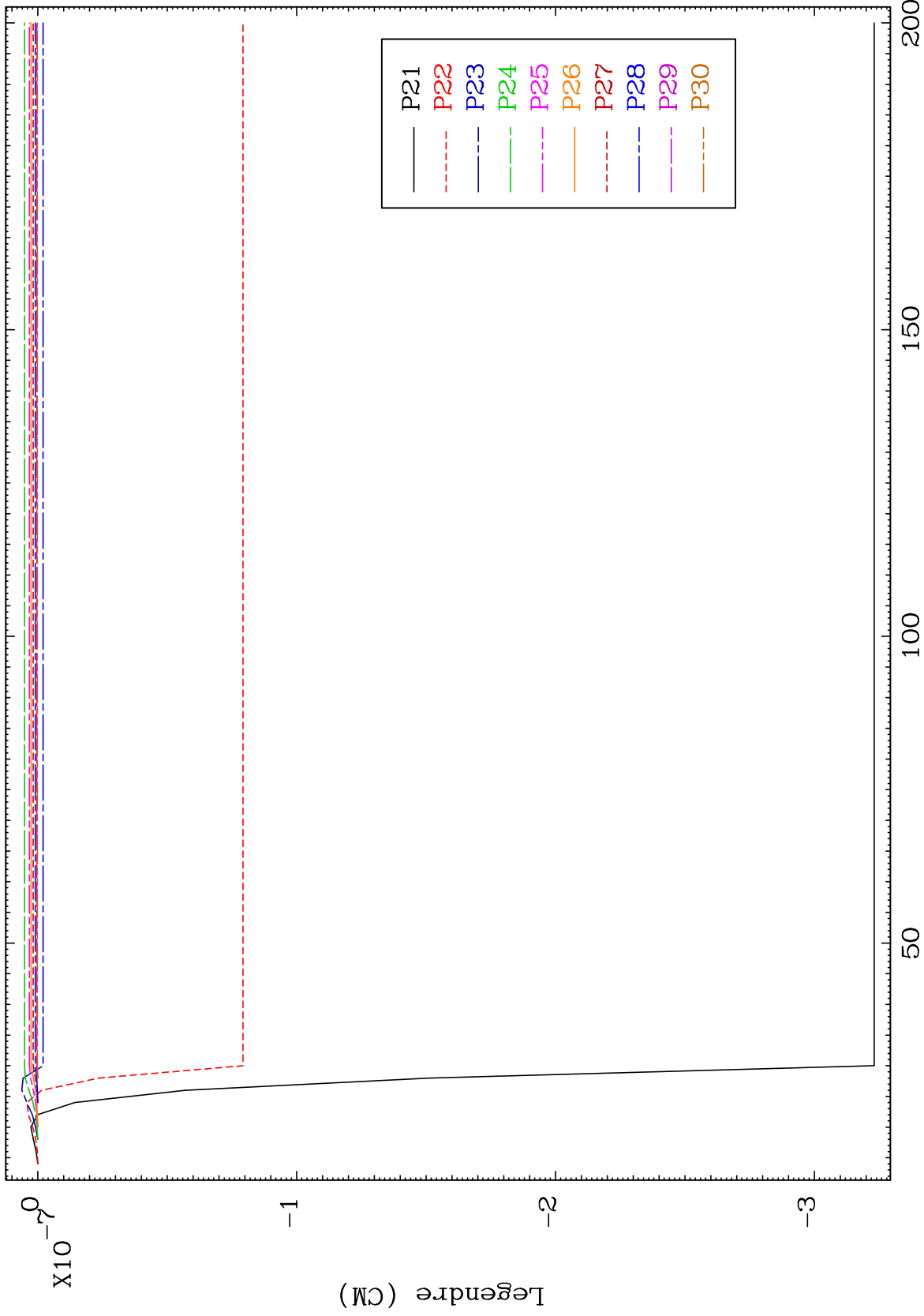
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

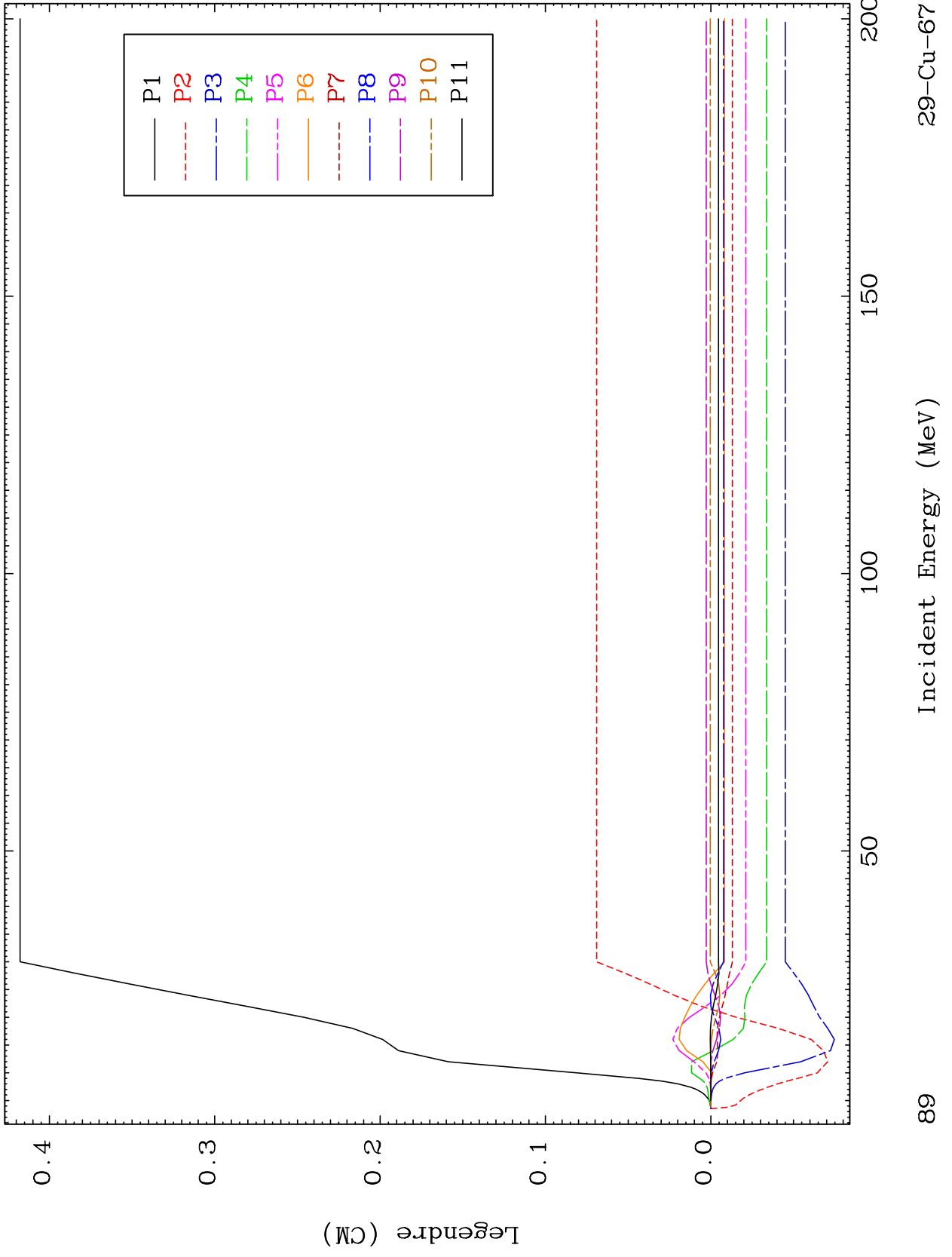
29-Cu-67



88

Incident Energy (MeV)

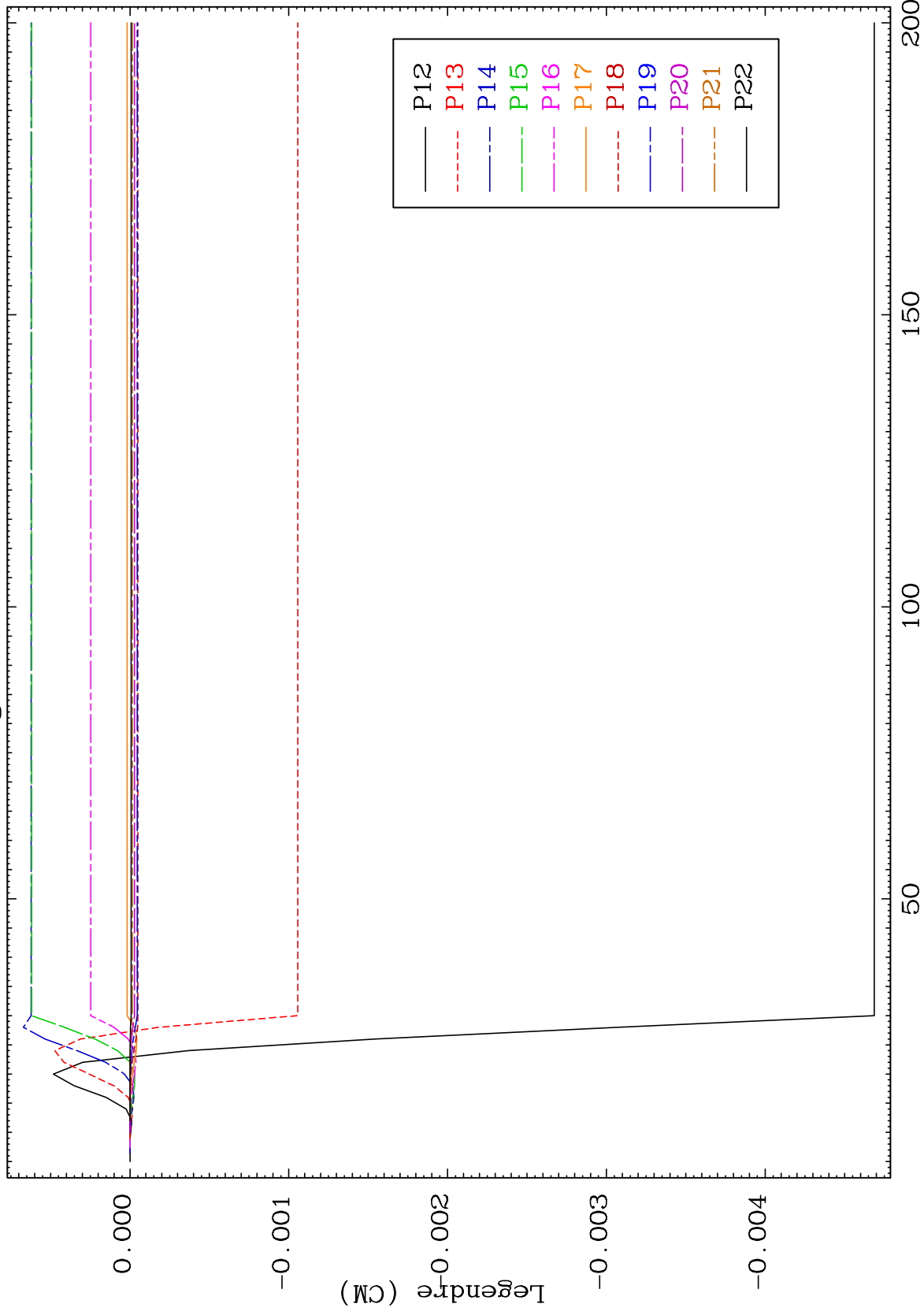
29-Cu-67



MAT 2937

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

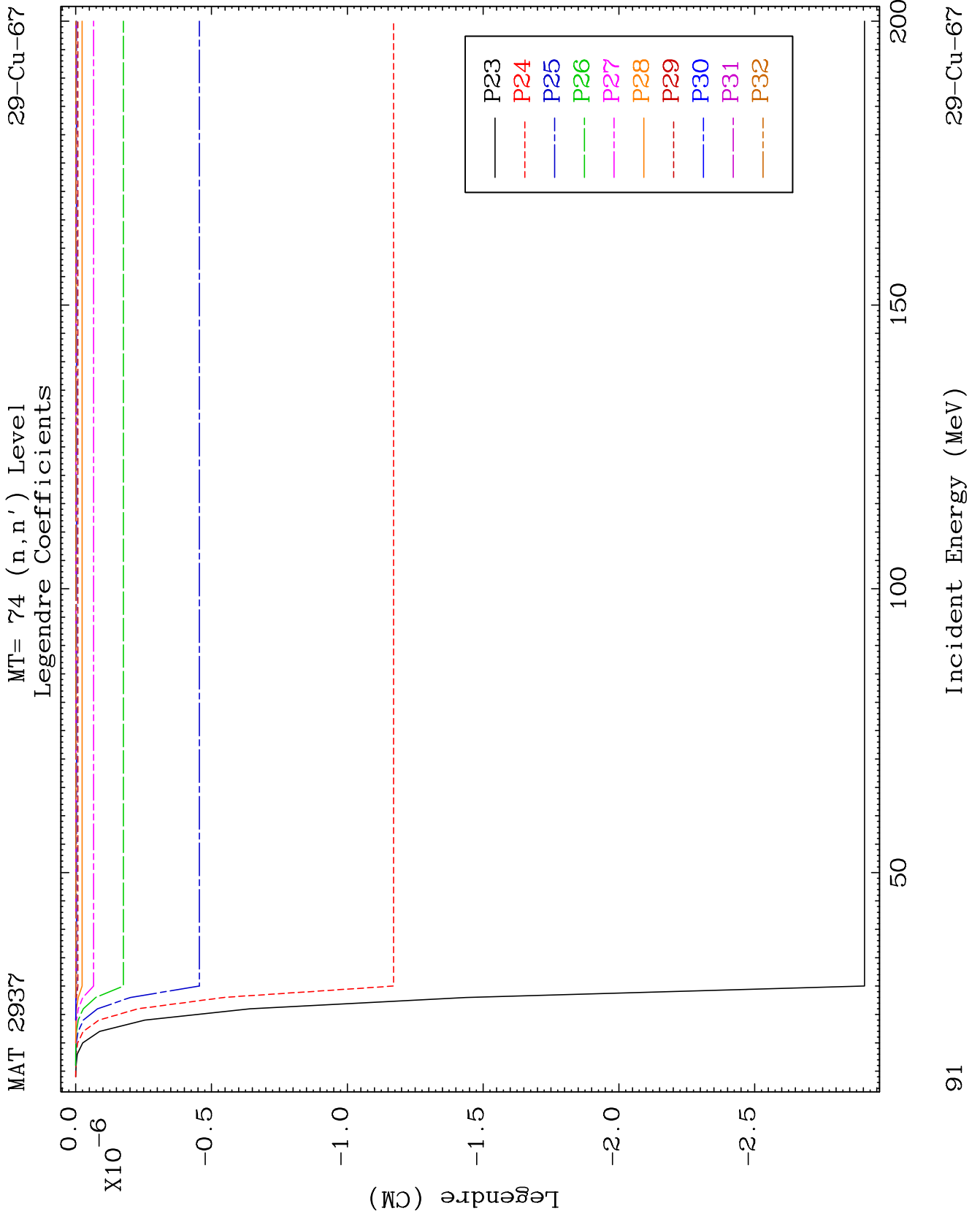
29-Cu-67



90

Incident Energy (MeV)

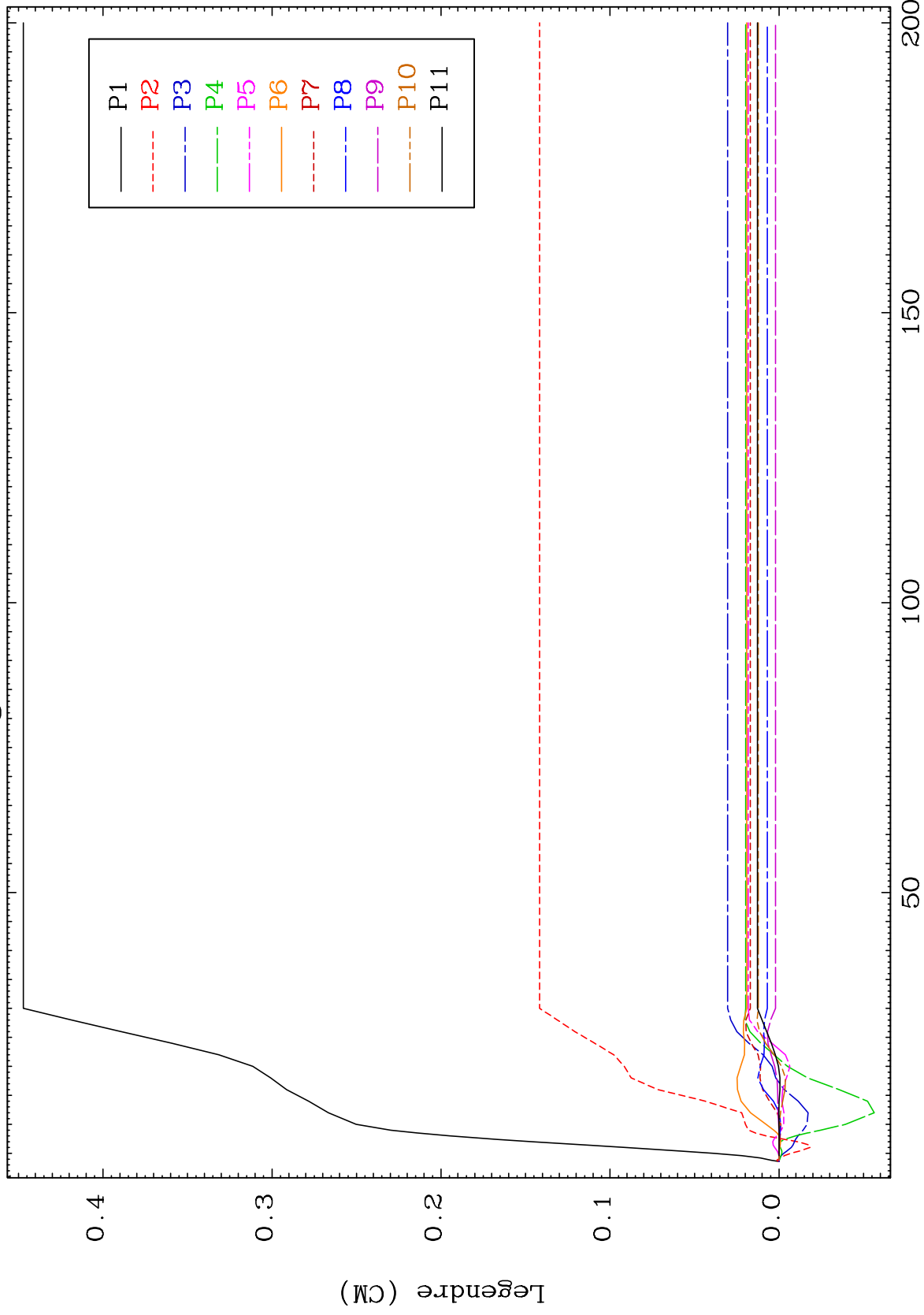
29-Cu-67



MAT 2937

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

29-Cu-67



92

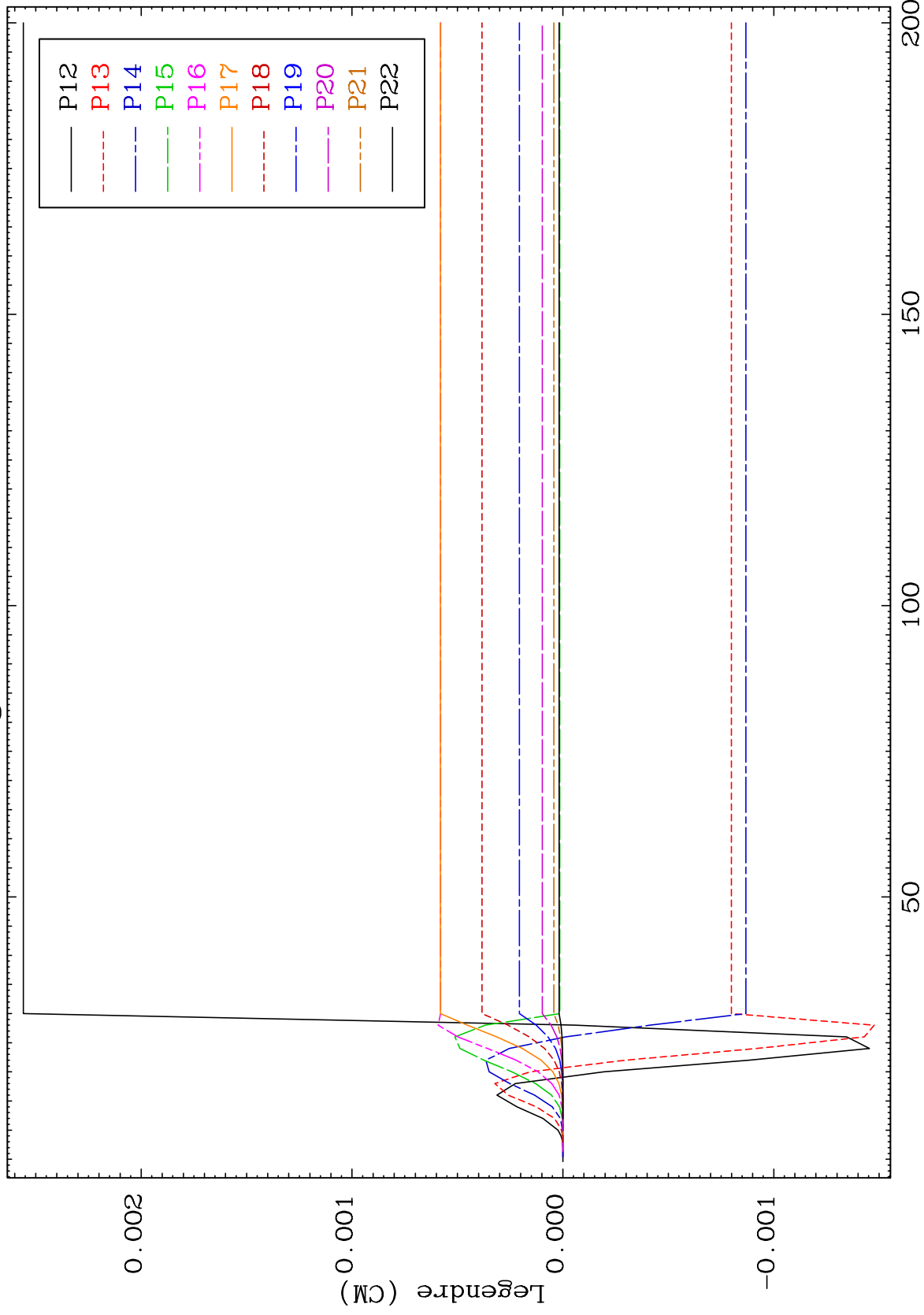
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

29-Cu-67



93

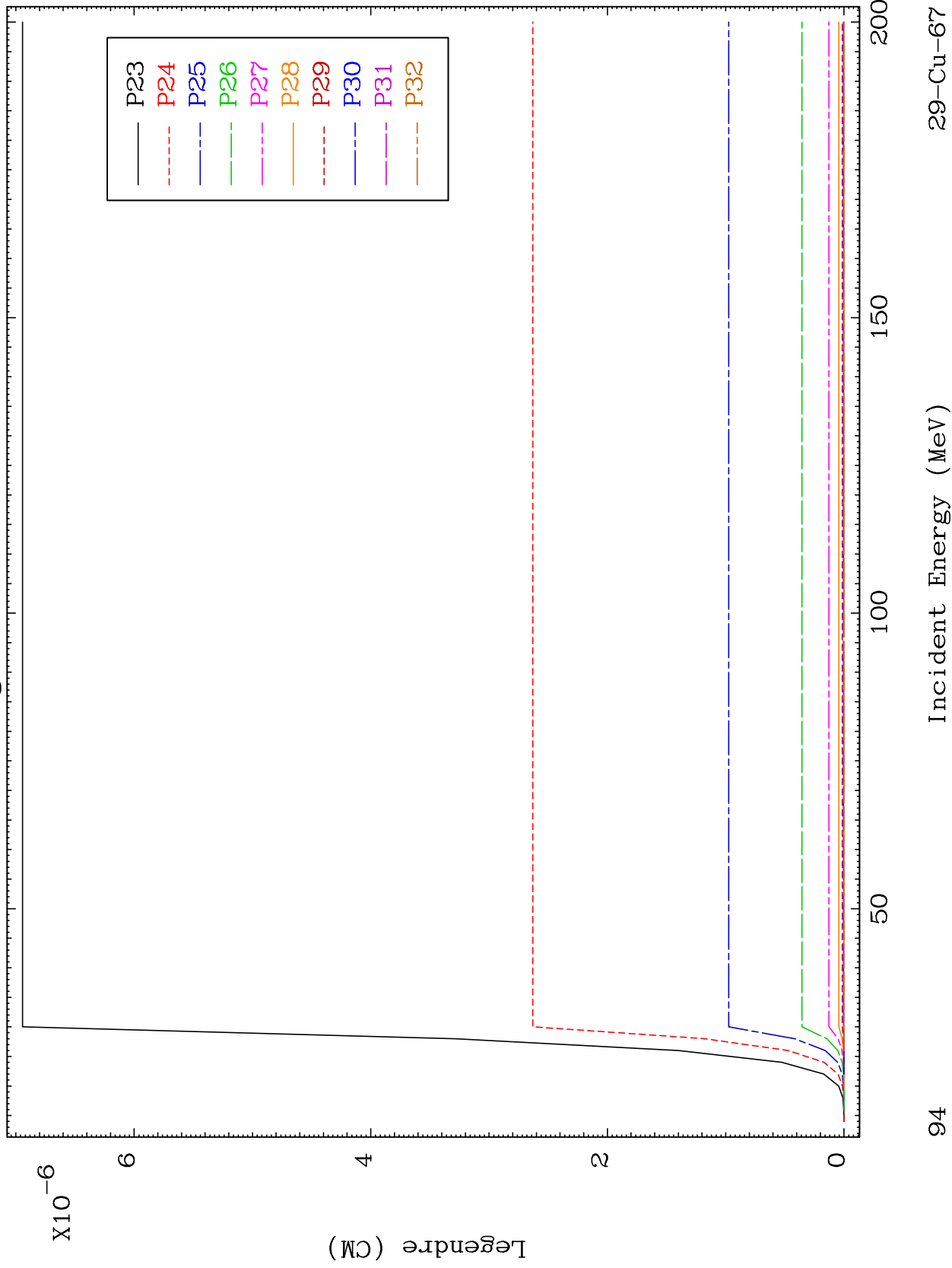
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

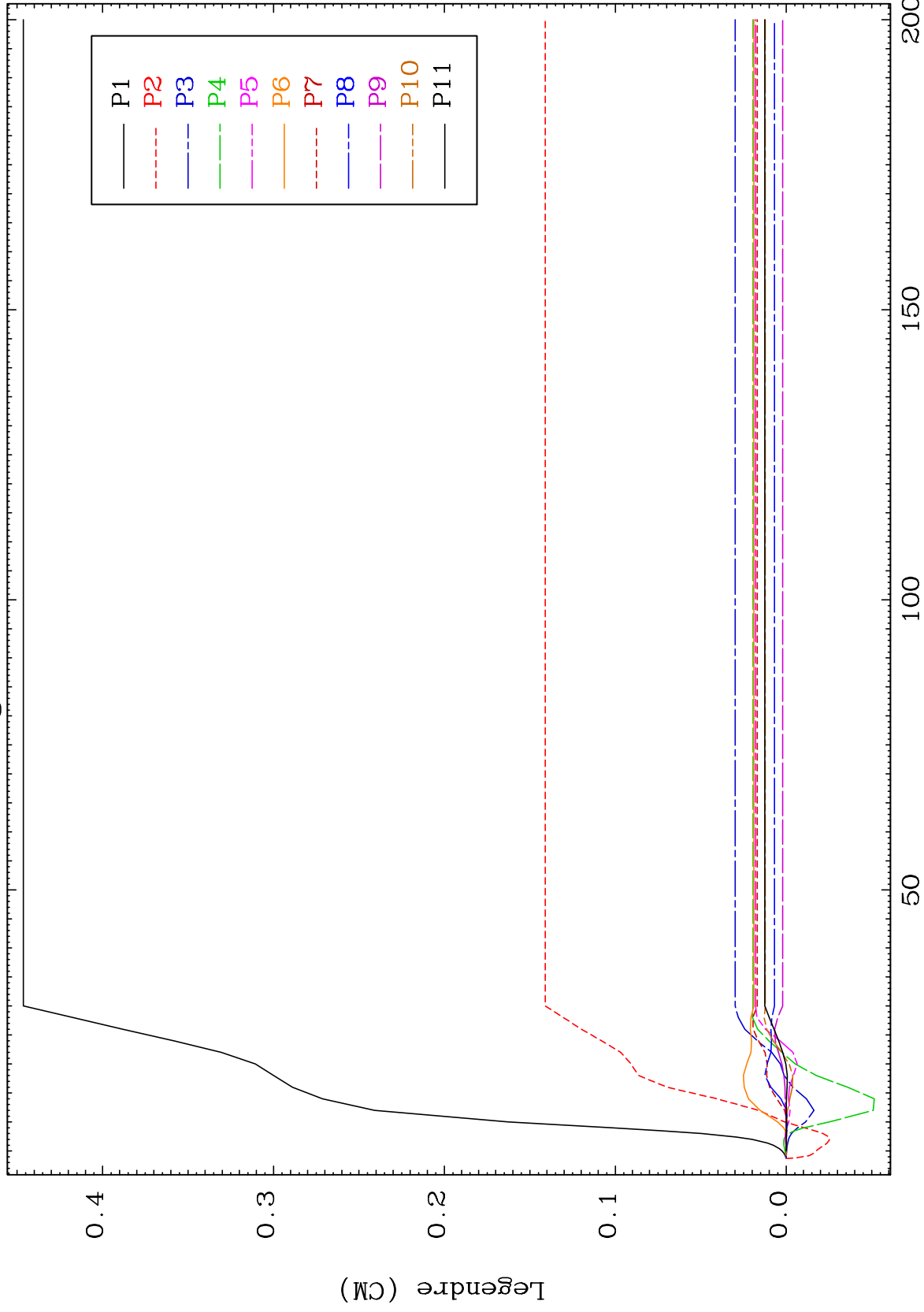
29-Cu-67



MAT 2937

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

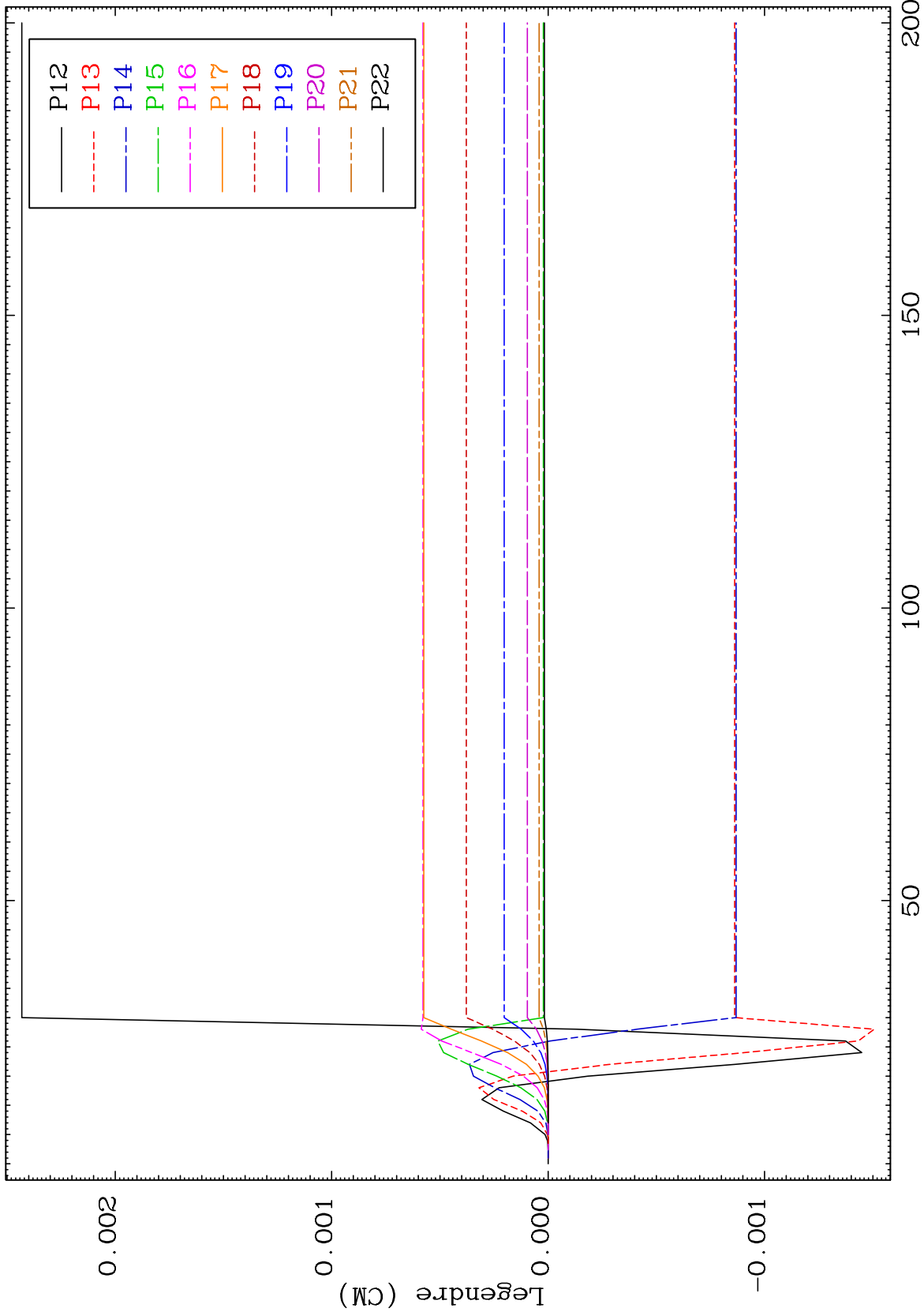
29-Cu-67



95

Incident Energy (MeV)

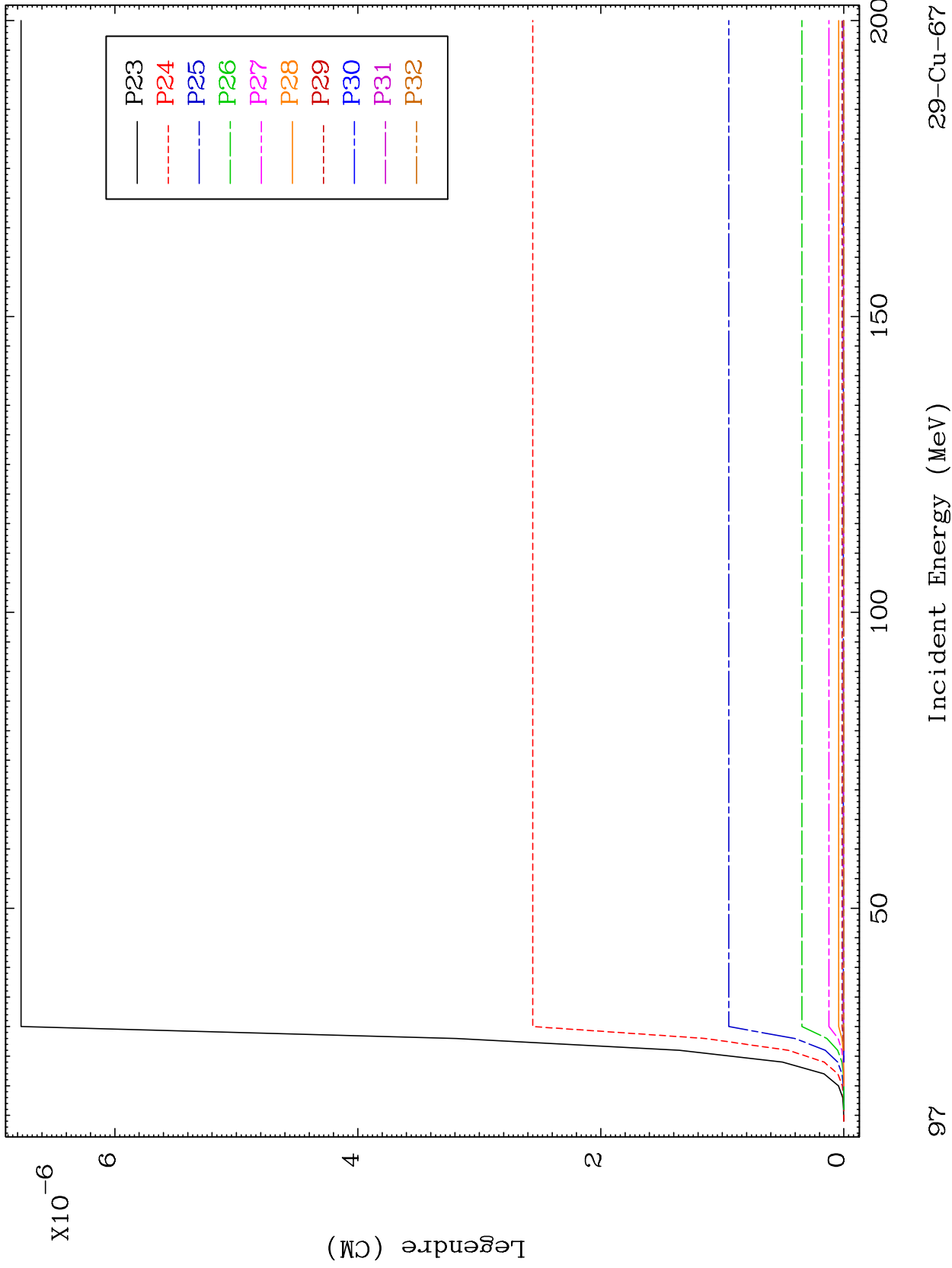
29-Cu-67



MAT 2937

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

29-Cu-67



97

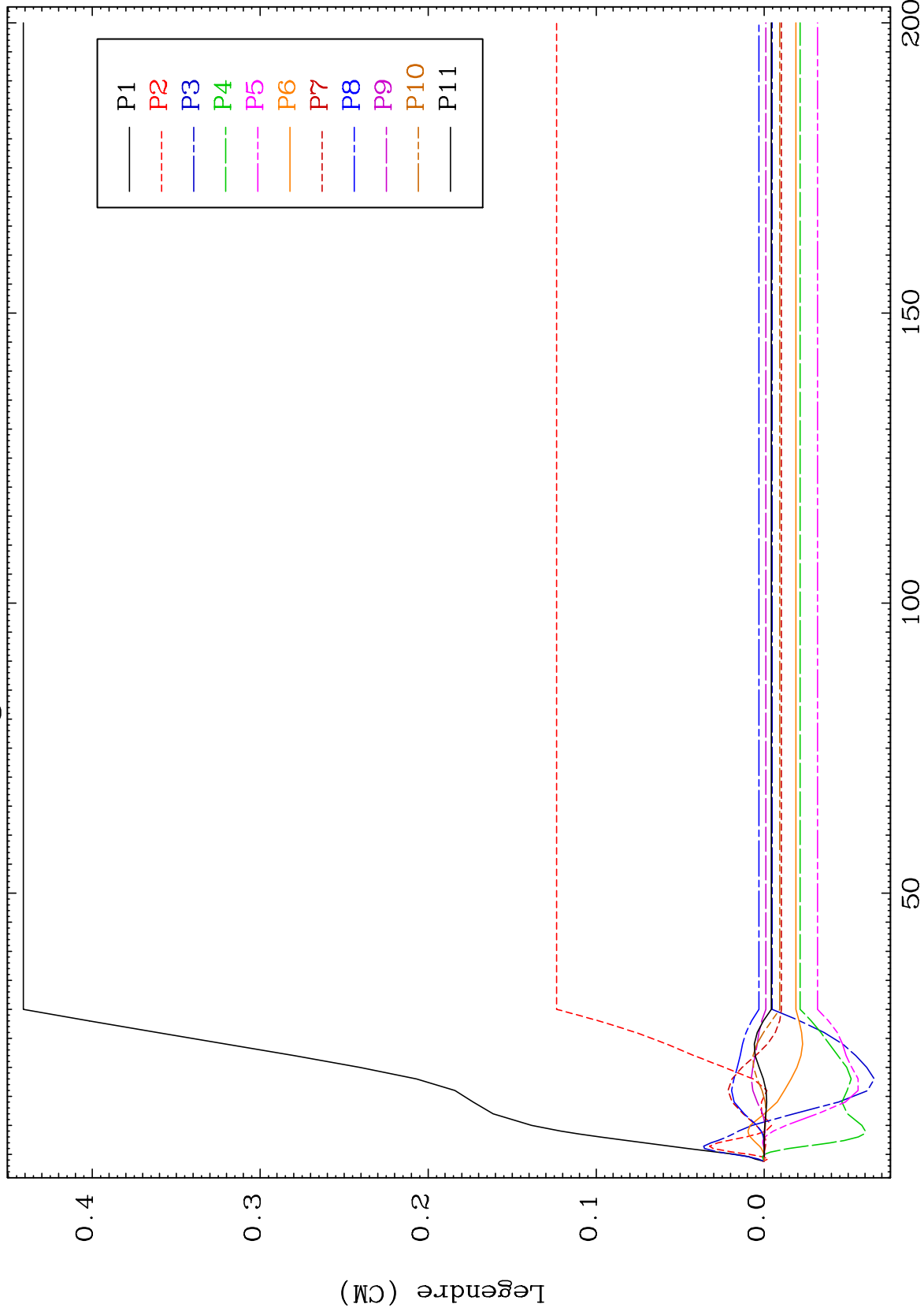
Incident Energy (MeV)

29-Cu-67

MAT 2937

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

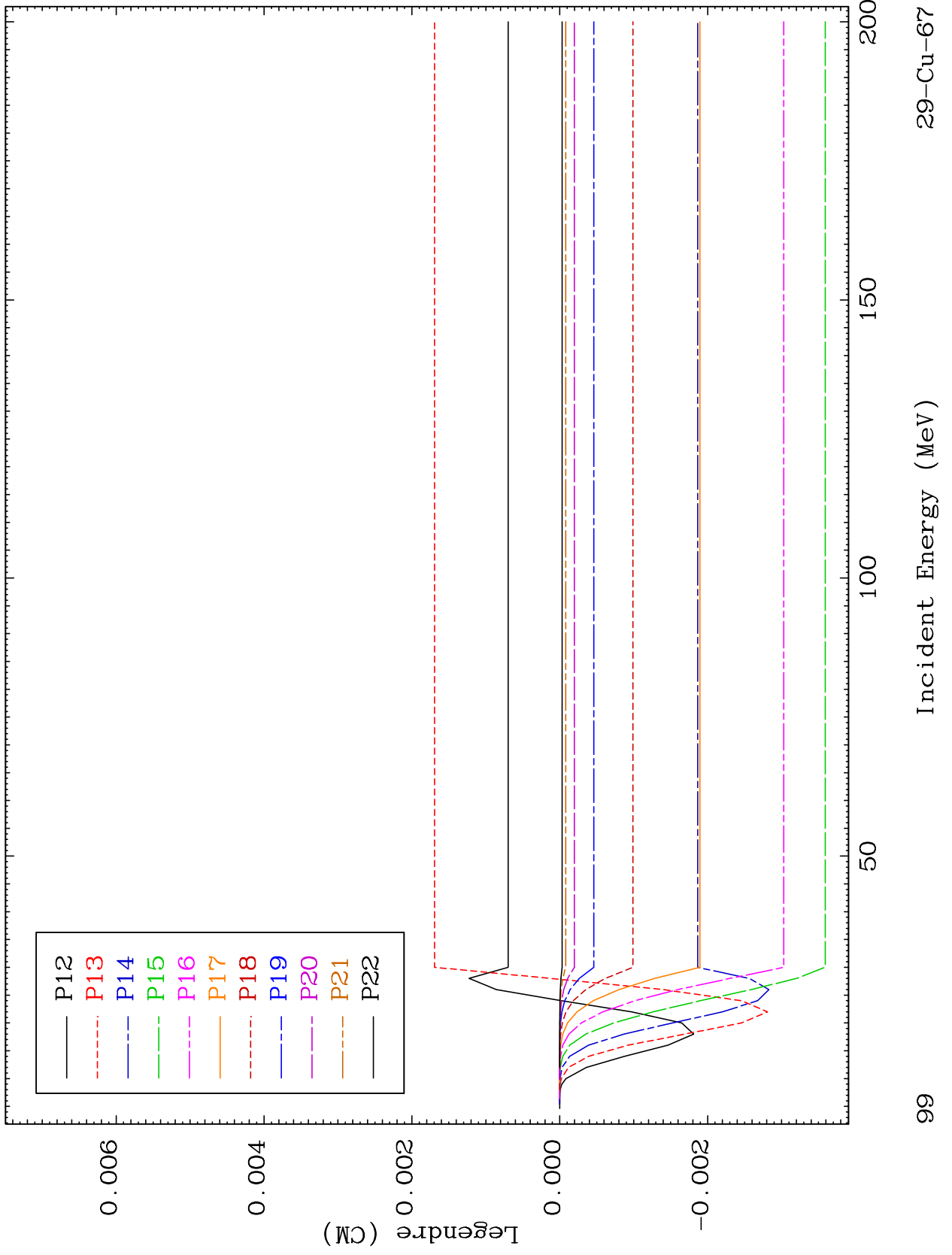
29-Cu-67

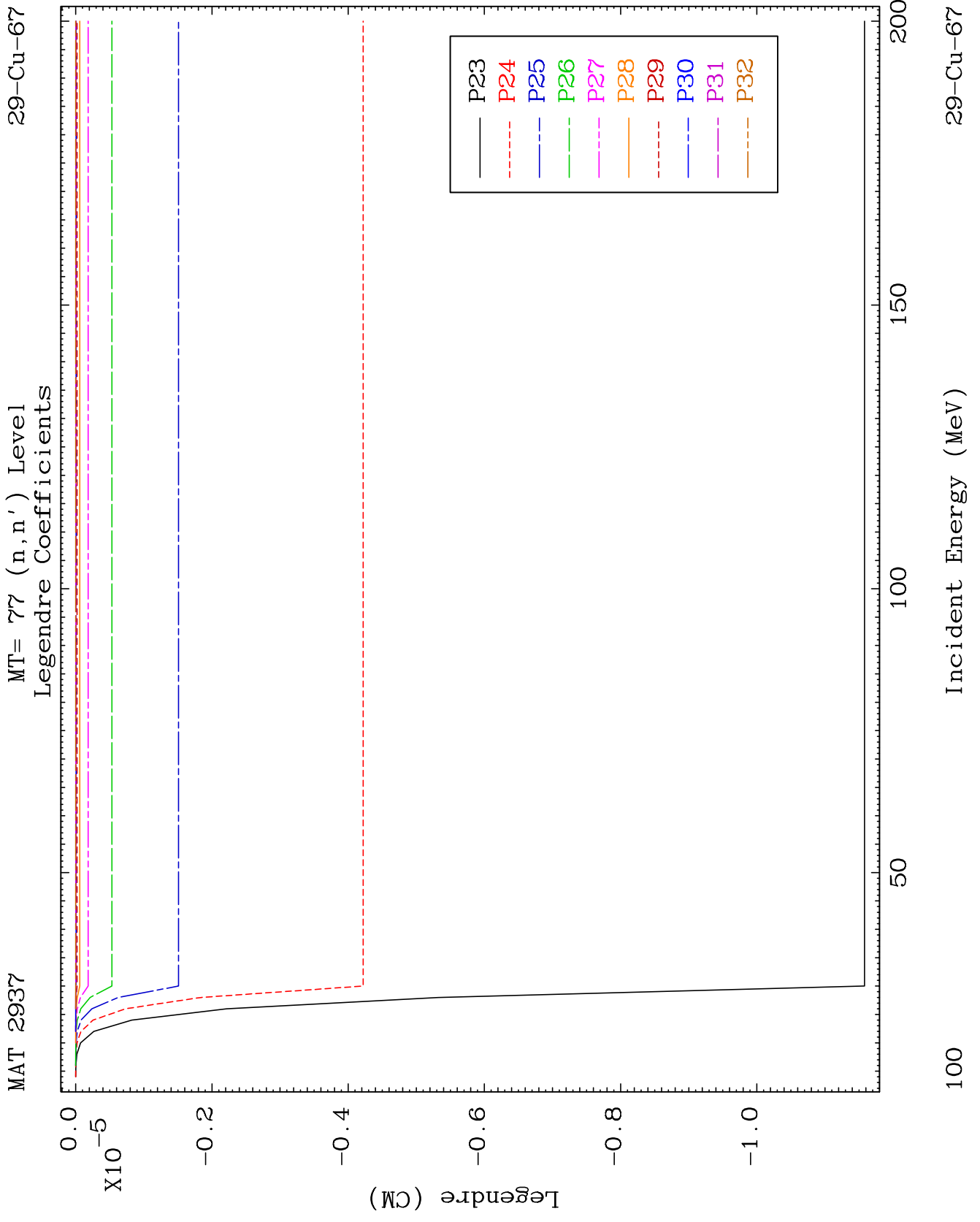


98

Incident Energy (MeV)

29-Cu-67

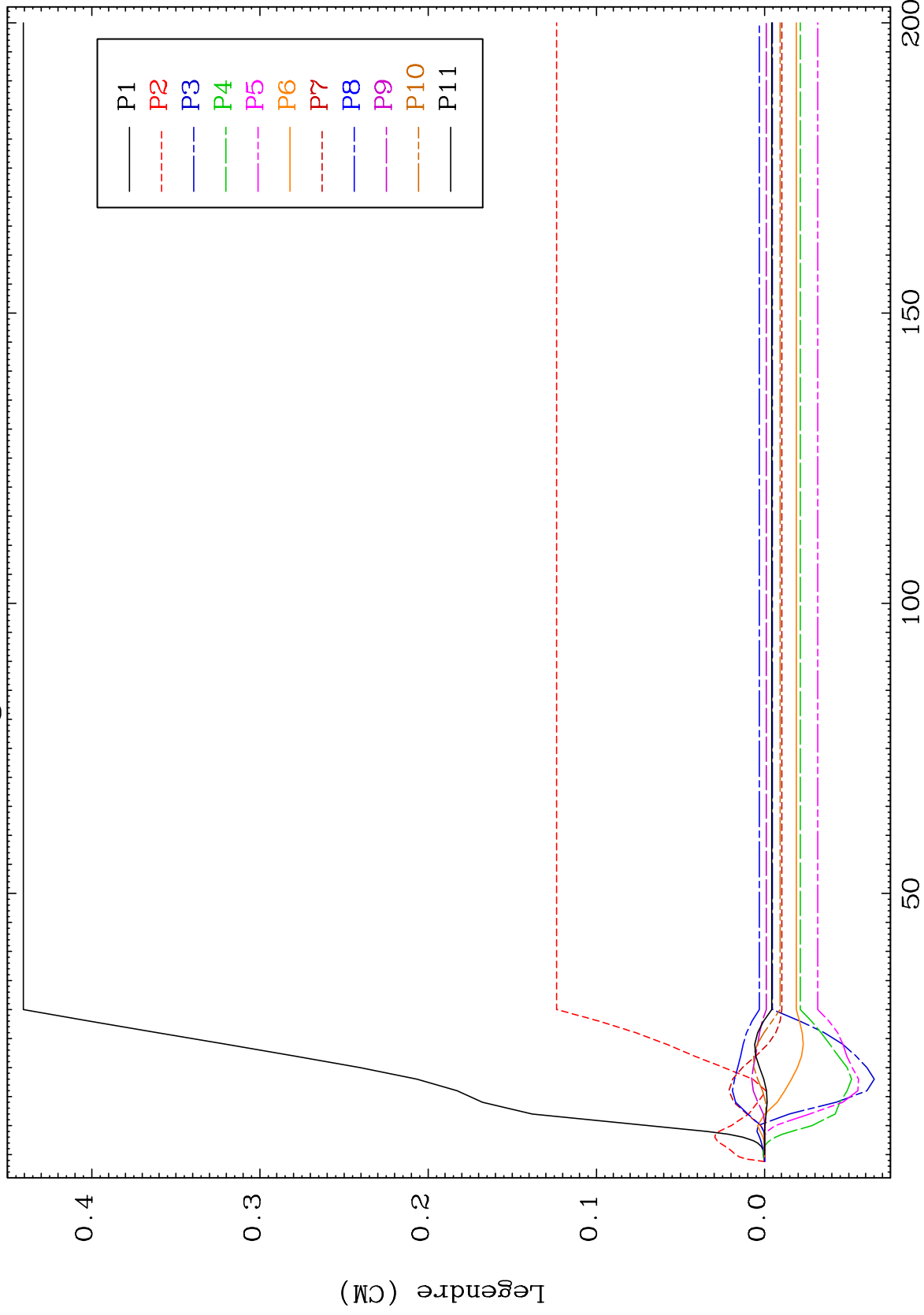




MAT 2937

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

29-Cu-67



101

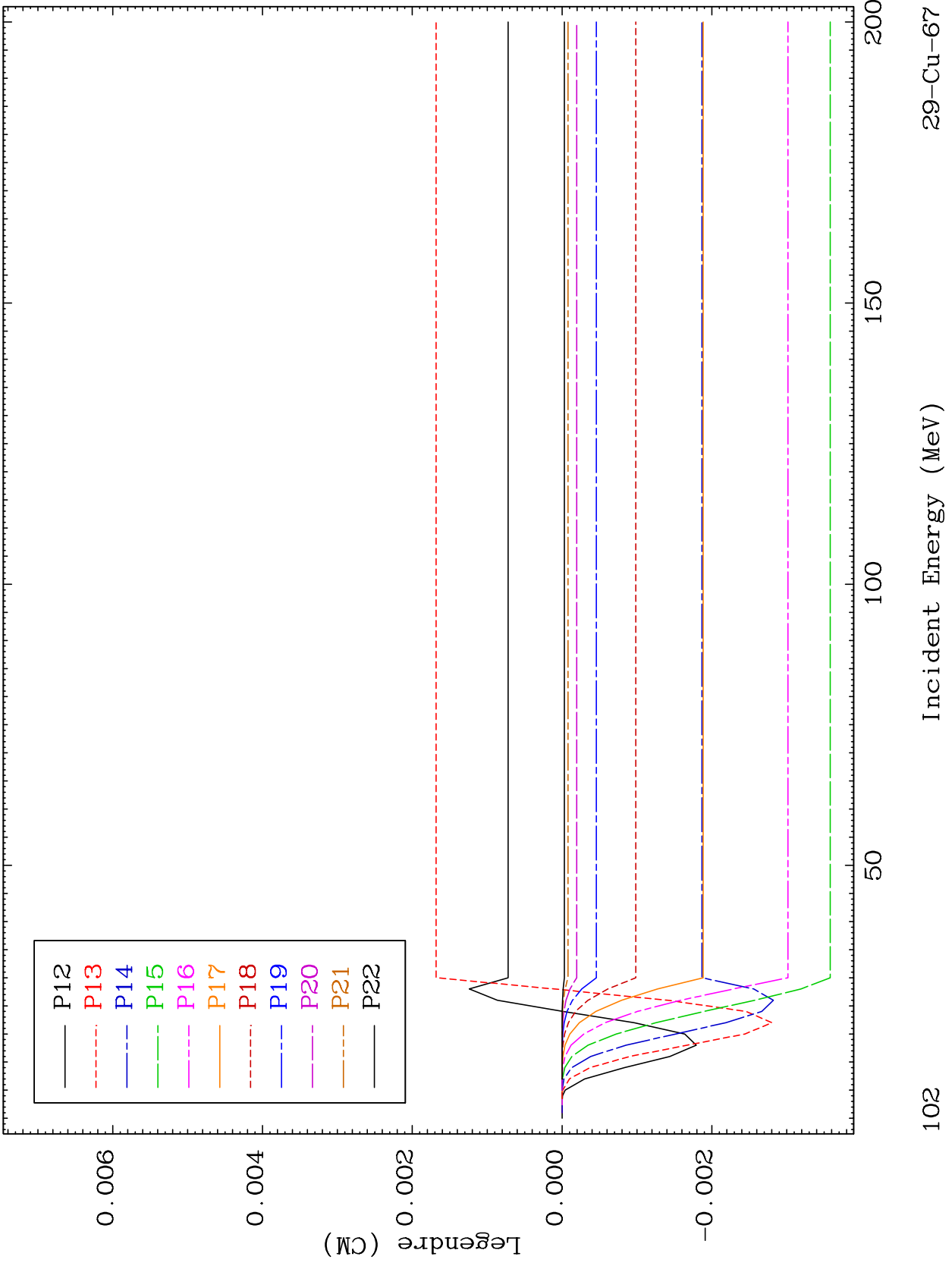
Incident Energy (MeV)

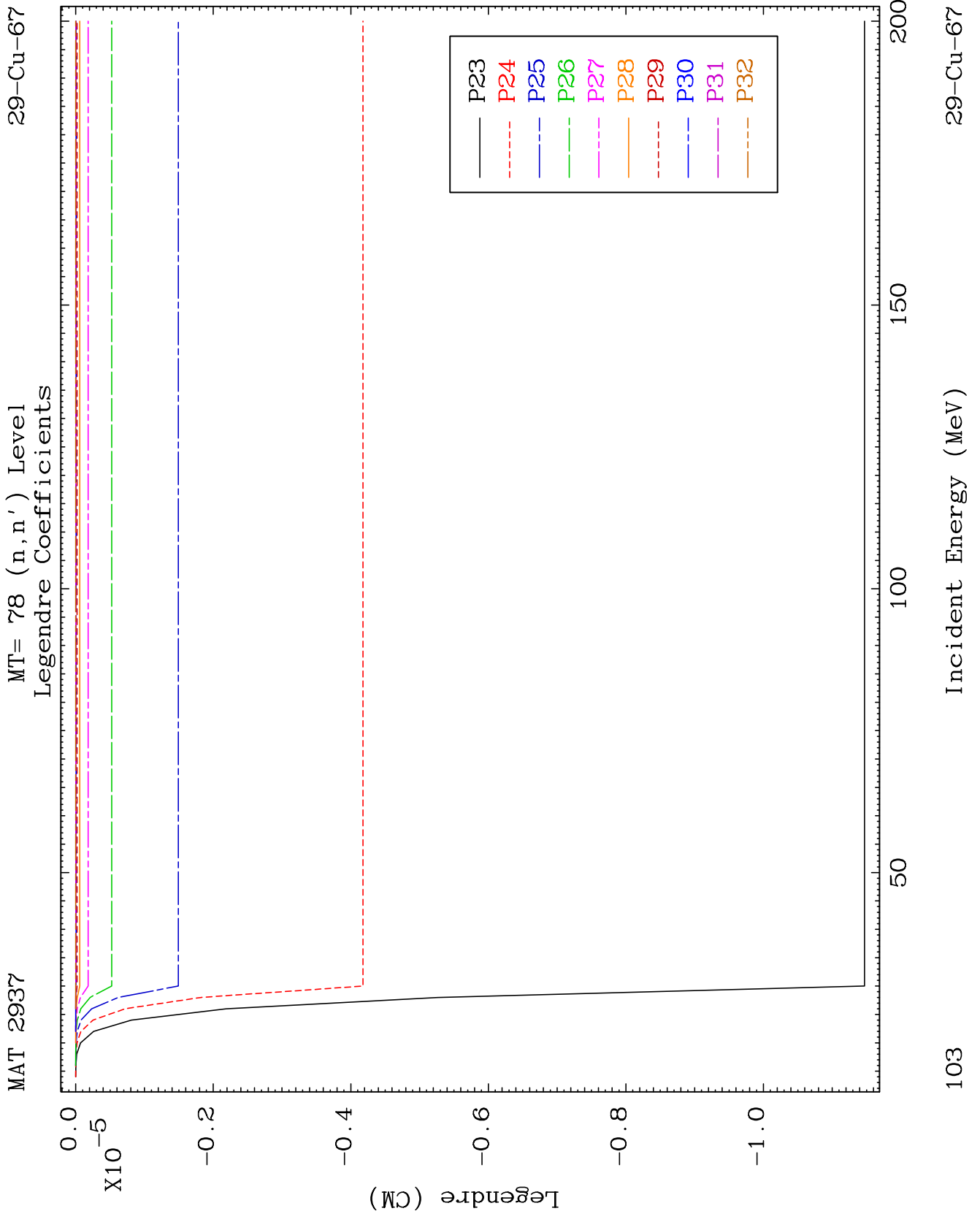
29-Cu-67

MAT 2937

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

29-Cu-67



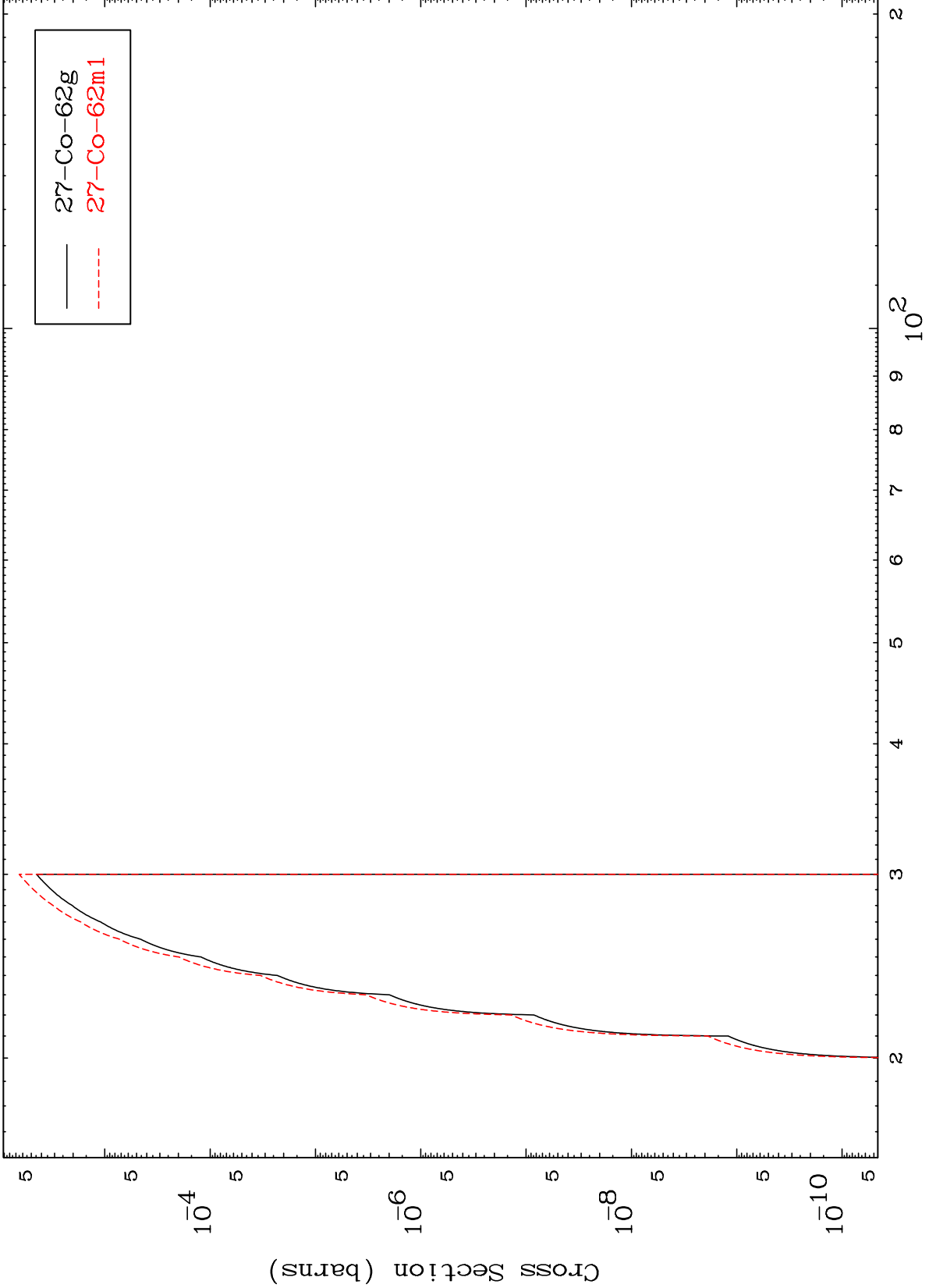


MAT 2937

$(n,2n) \alpha$

29-Cu-67

Radionuclide Production Cross Section



104

Incident Energy (MeV)

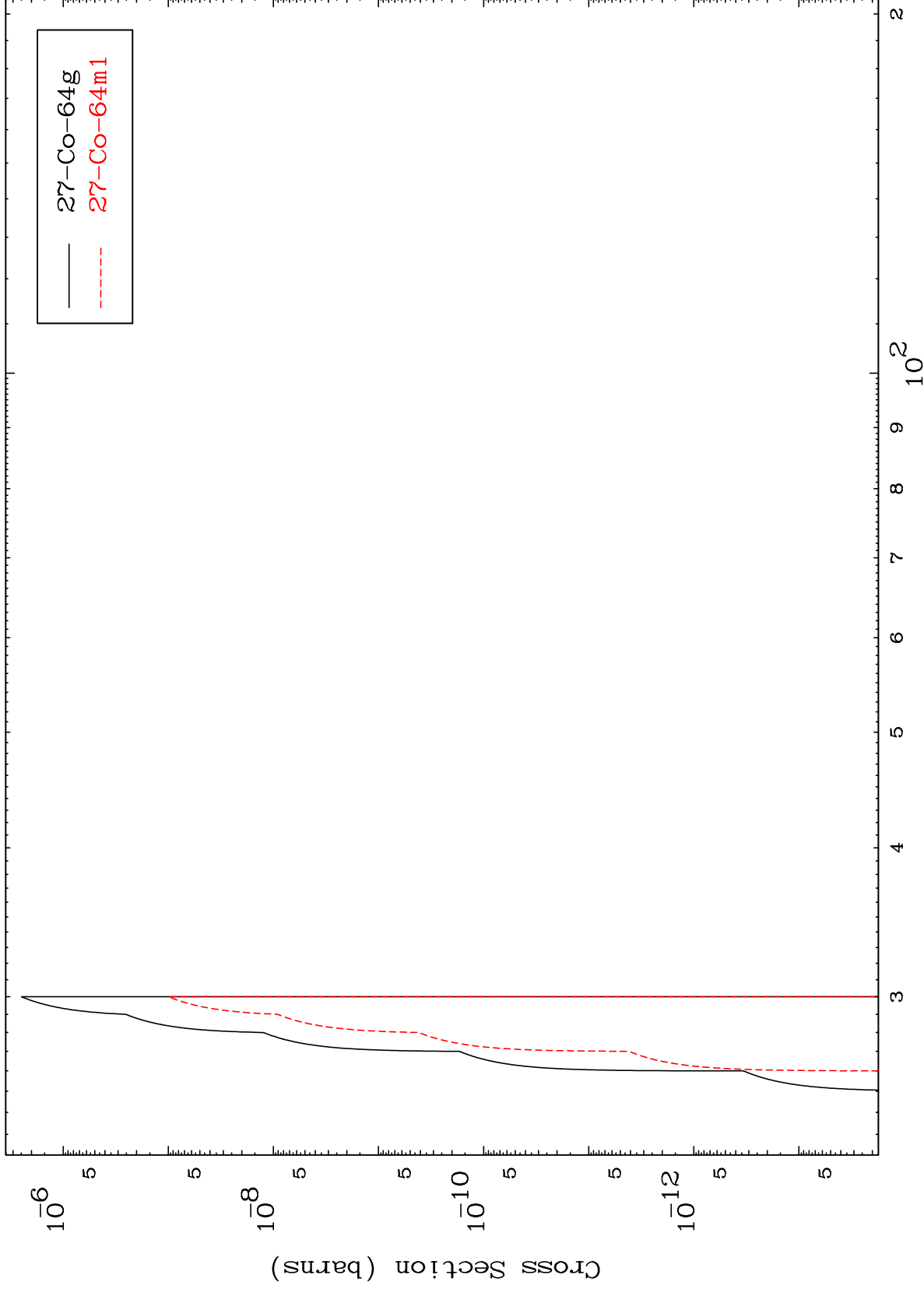
29-Cu-67

MAT 2937

(n,n') He-3

29-Cu-67

Radionuclide Production Cross Section



105

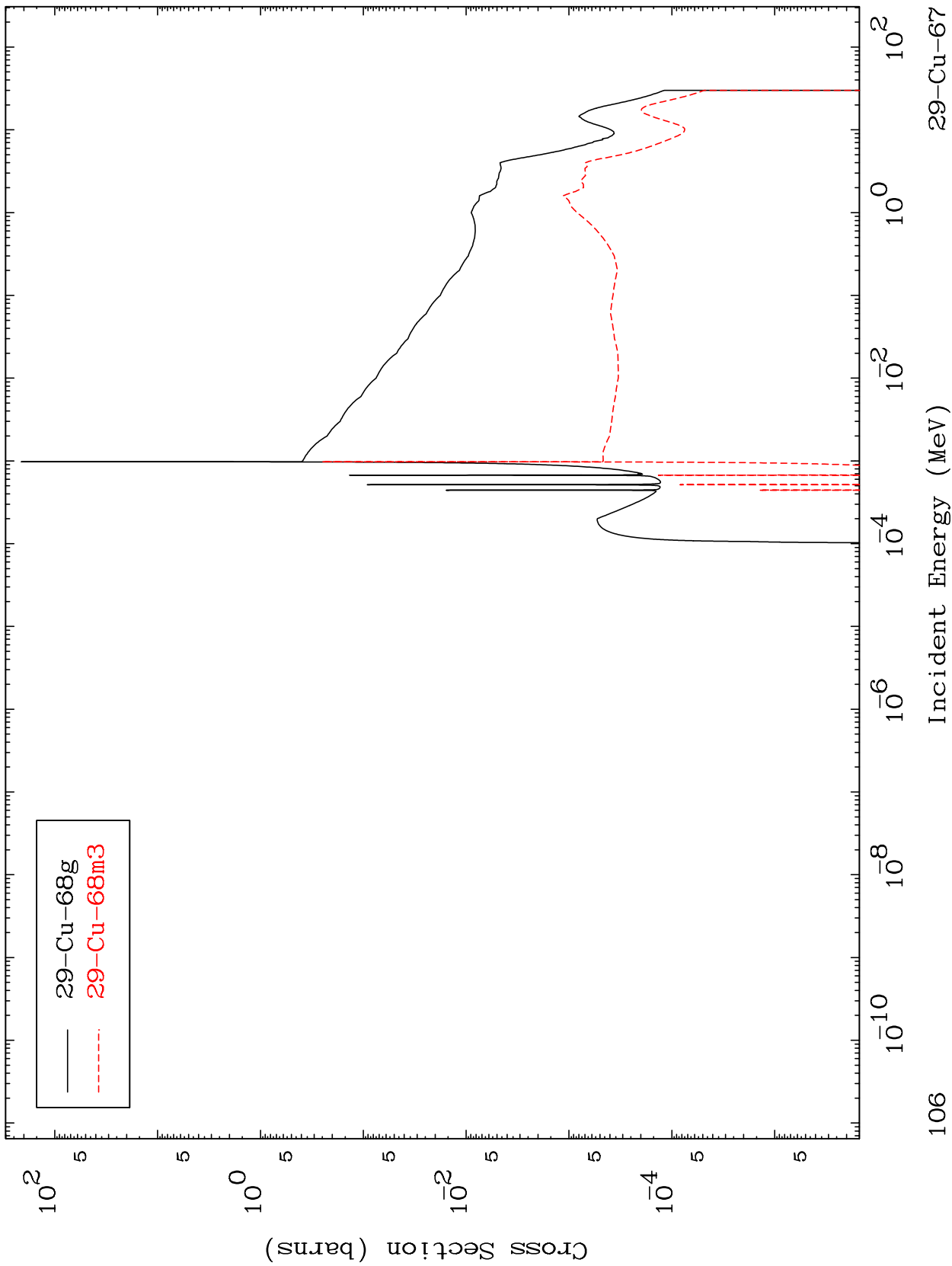
Incident Energy (MeV)

29-Cu-67

MAT 2937

29-Cu-67

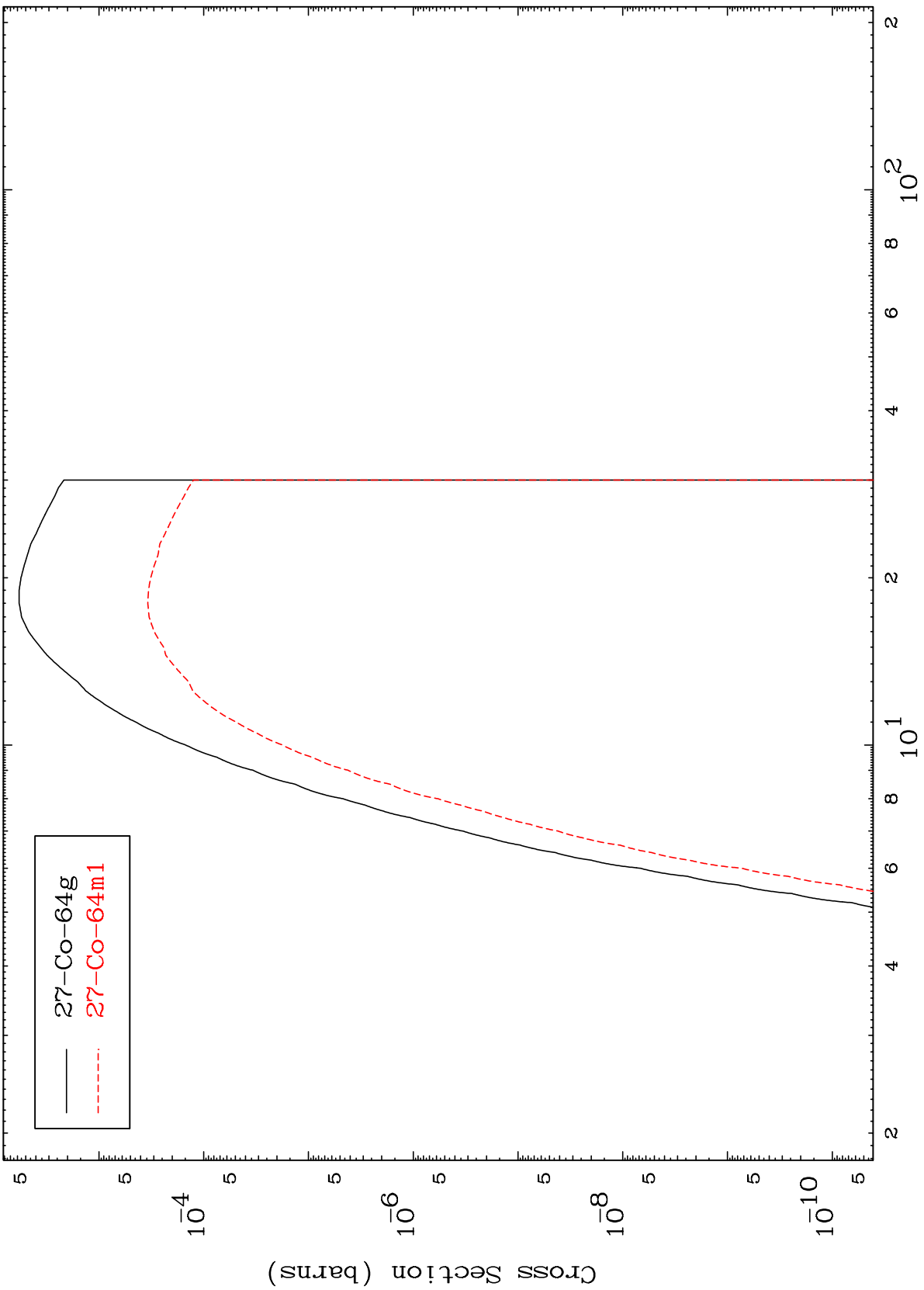
(n,γ)
Radionuclide Production Cross Section



MAT 2937

29-Cu-67

Radionuclide Production Cross Section (n,α)



107

Incident Energy (MeV)

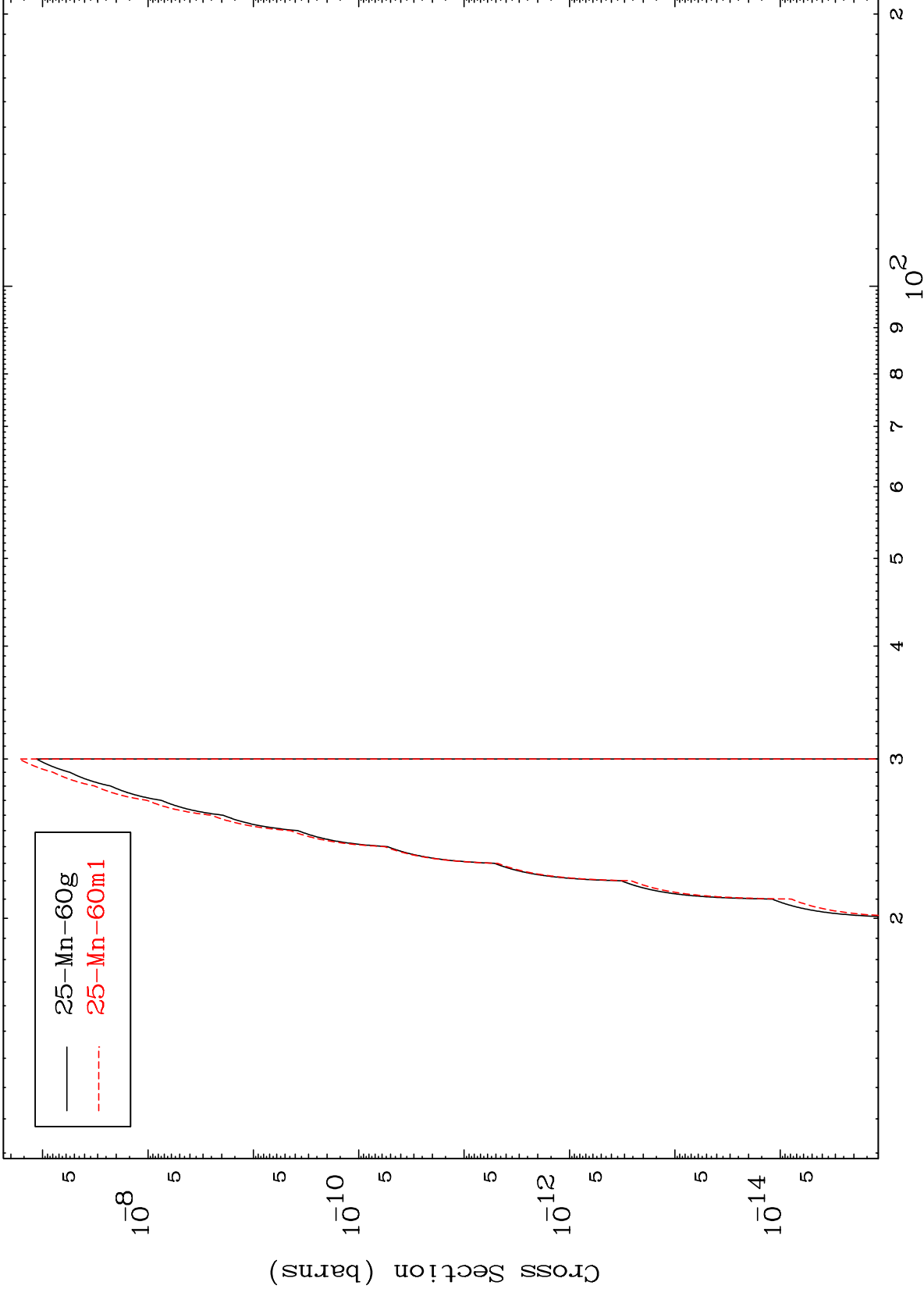
29-Cu-67

MAT 2937

(n,2α)

29-Cu-67

Radionuclide Production Cross Section



108

Incident Energy (MeV)

29-Cu-67

Radionuclide Production Cross Section

