

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

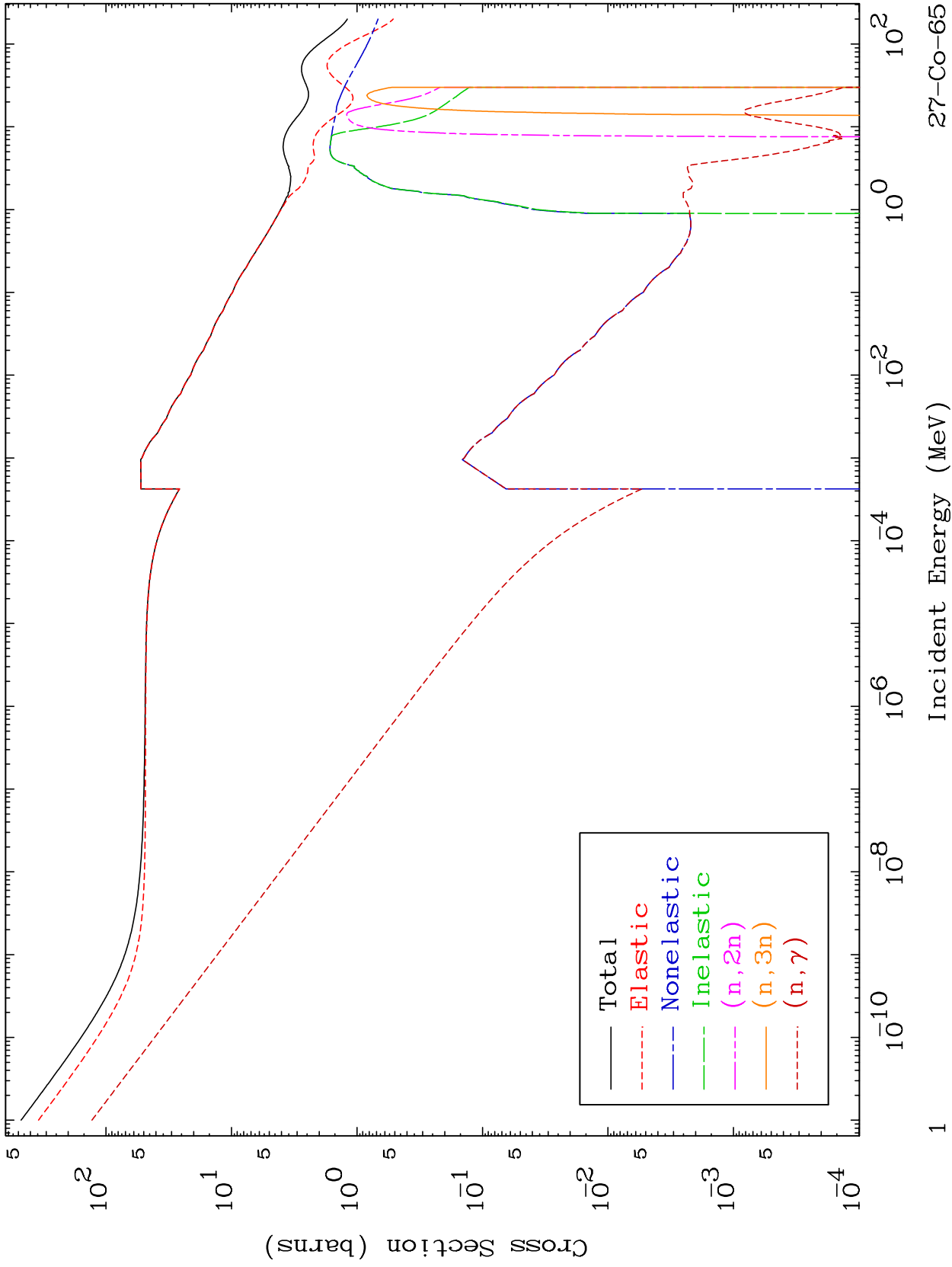
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2743

Neutron Major
293 Kelvin Cross Sections

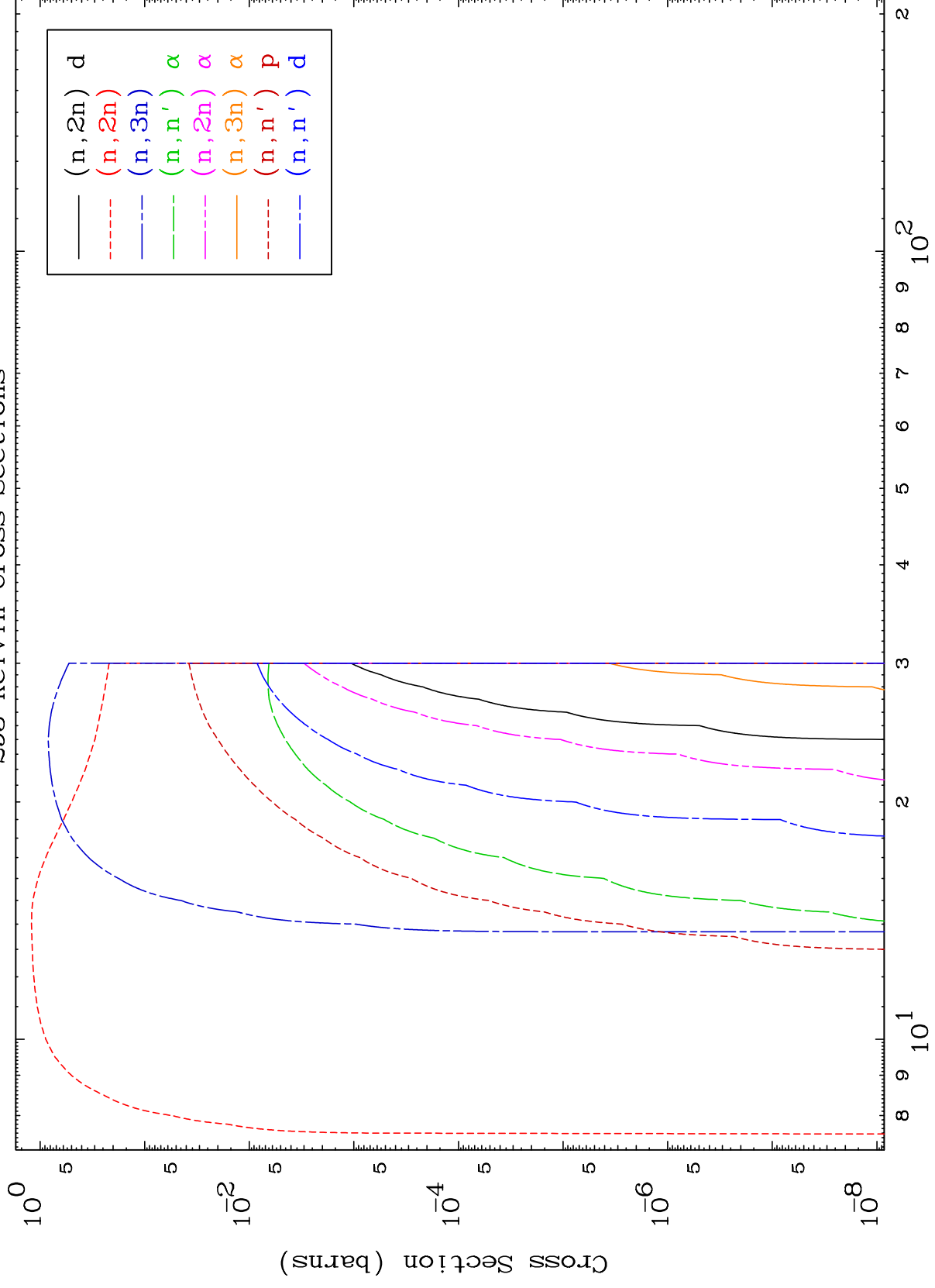
27-Co-65



MAT 2743

Neutron Absorption
293 Kelvin Cross Sections

27-Co-65



Incident Energy (MeV)

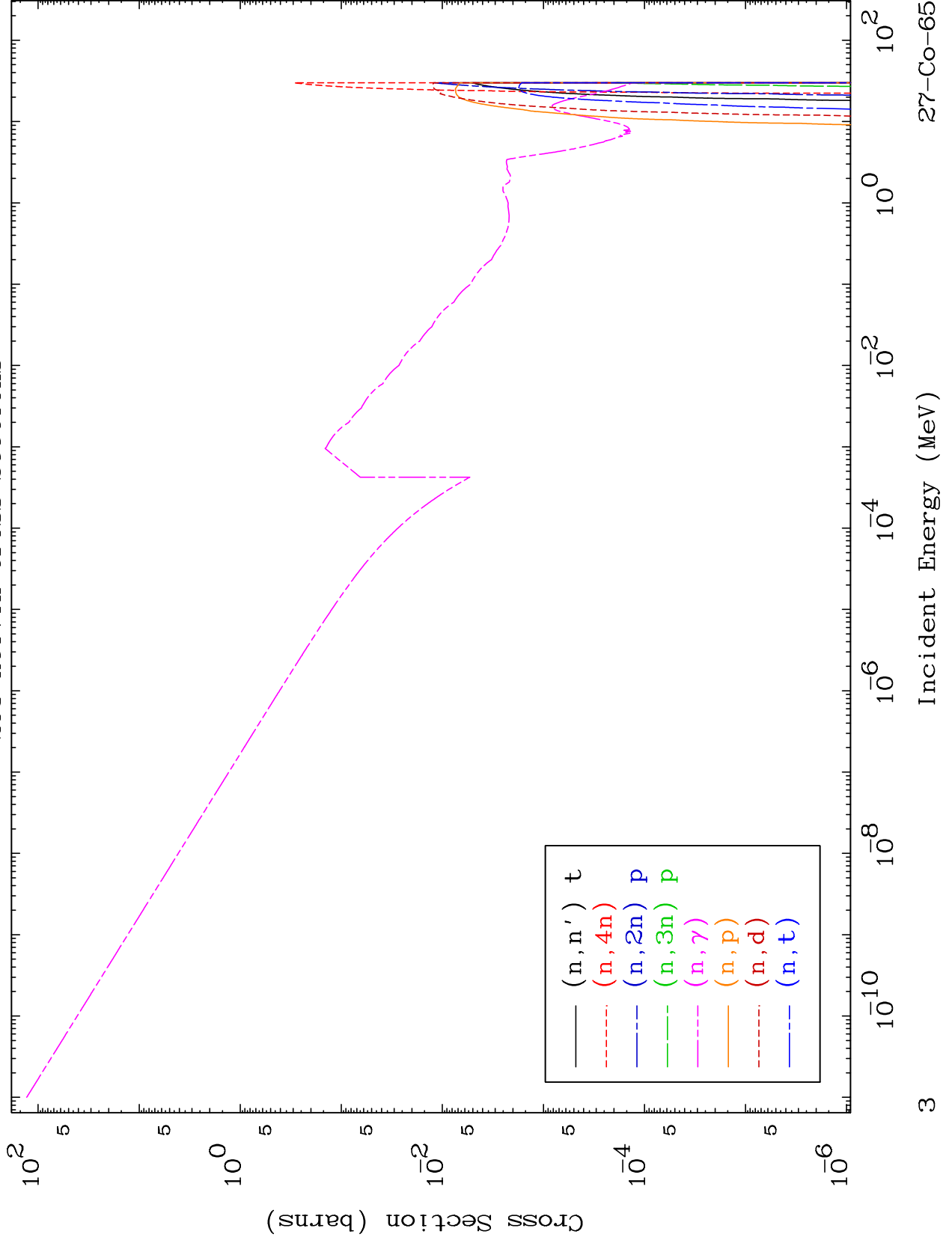
27-Co-65

2

MAT 2743

Neutron Absorption
293 Kelvin Cross Sections

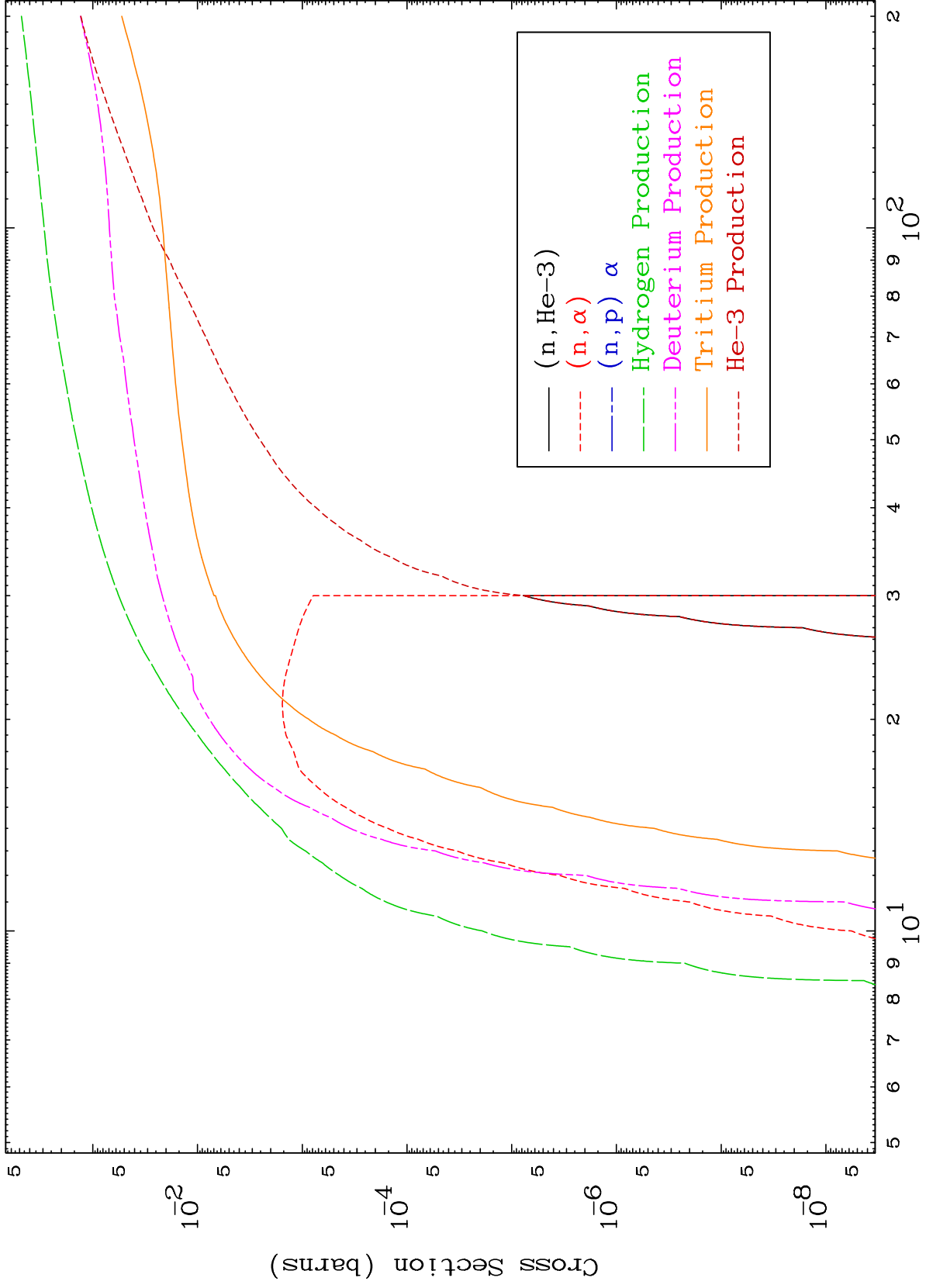
27-Co-65



MAT 2743

Neutron Absorption
293 Kelvin Cross Sections

27-Co-65



4

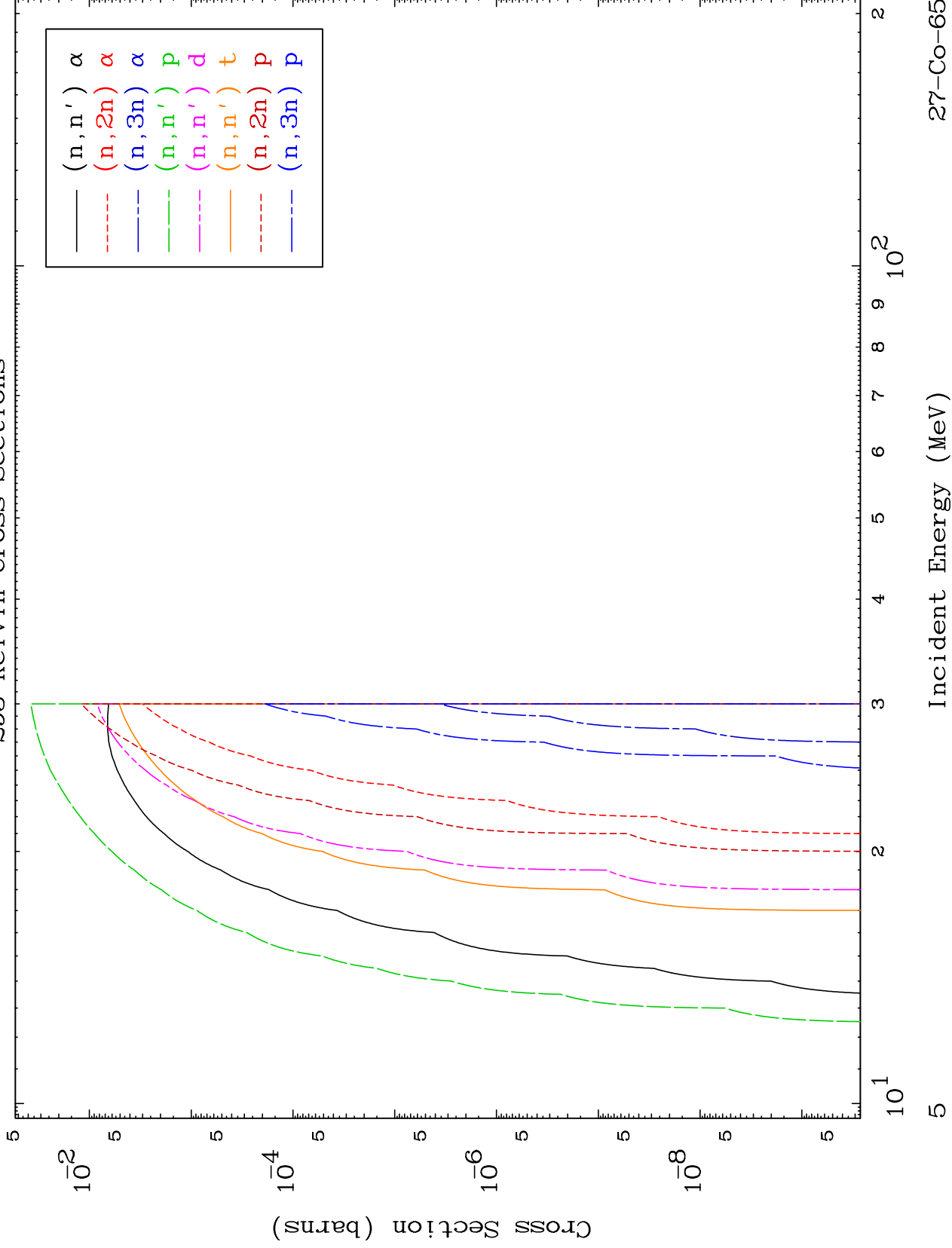
Incident Energy (MeV)

27-Co-65

MAT 2743

Charged Particle
293 Kelvin Cross Sections

27-Co-65

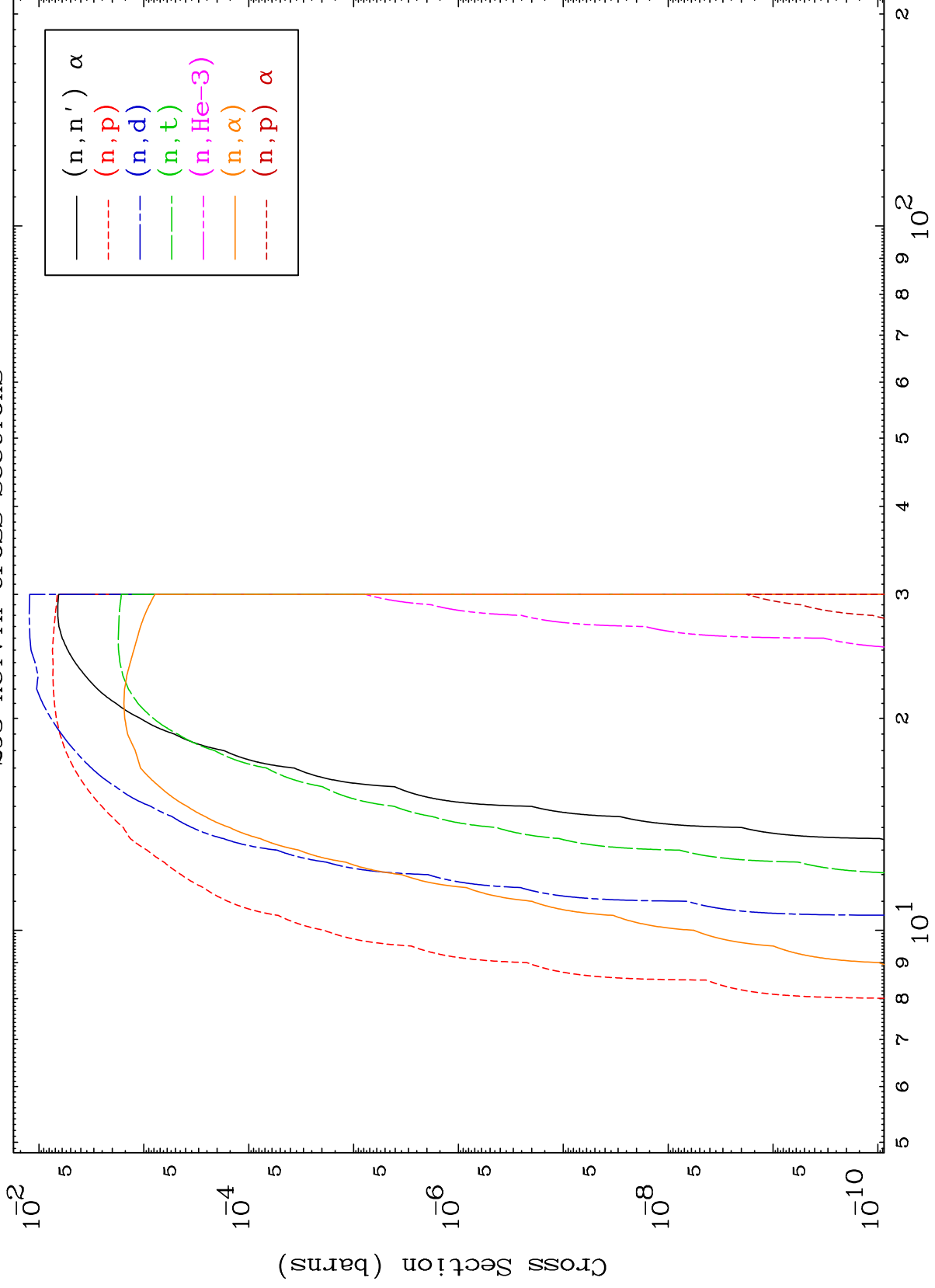


27-Co-65

MAT 2743

Charged Particle
293 Kelvin Cross Sections

27-Co-65



6

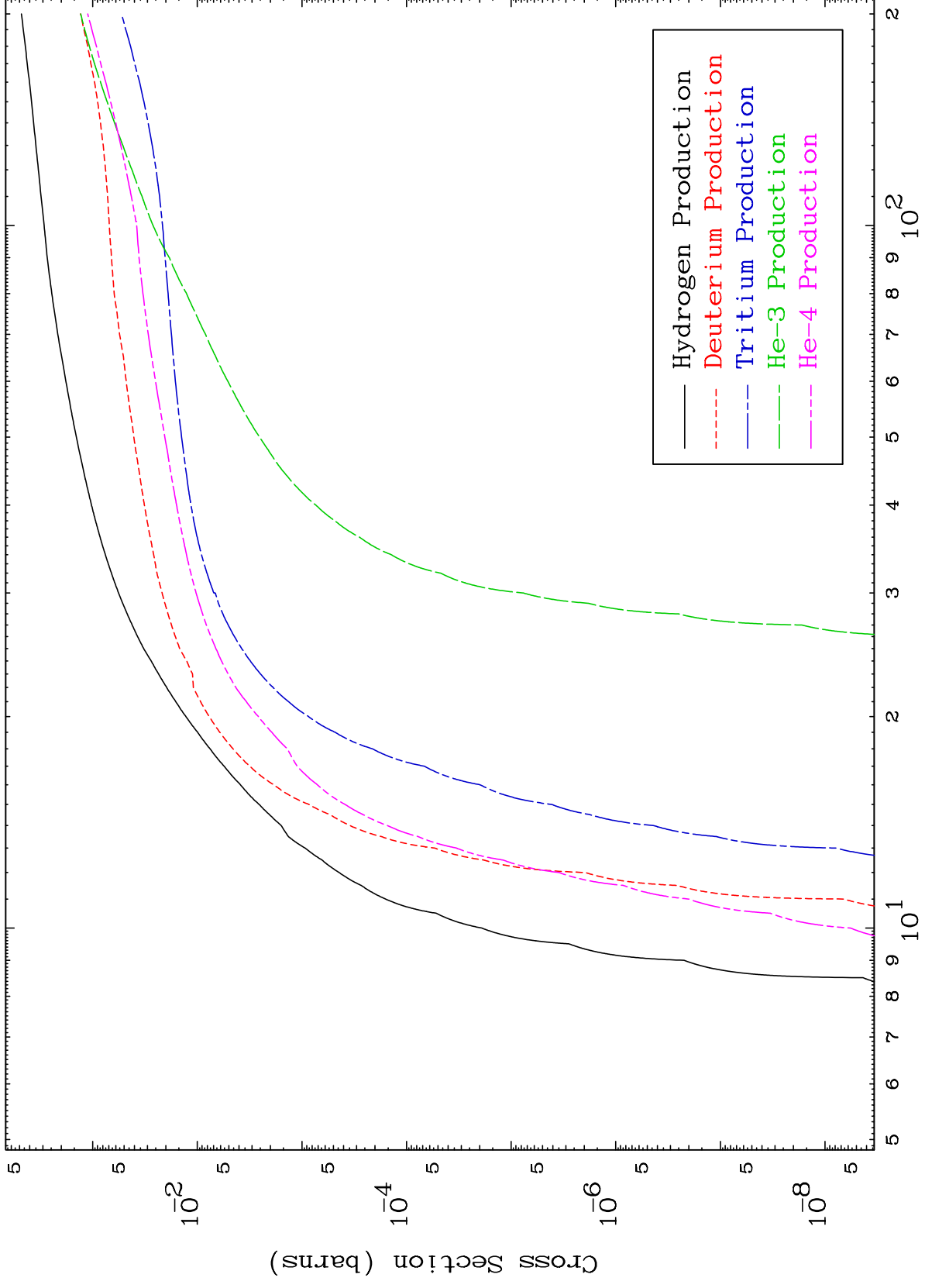
Incident Energy (MeV)

27-Co-65

MAT 2743

Particle Production
293 Kelvin Cross Sections

27-Co-65



7

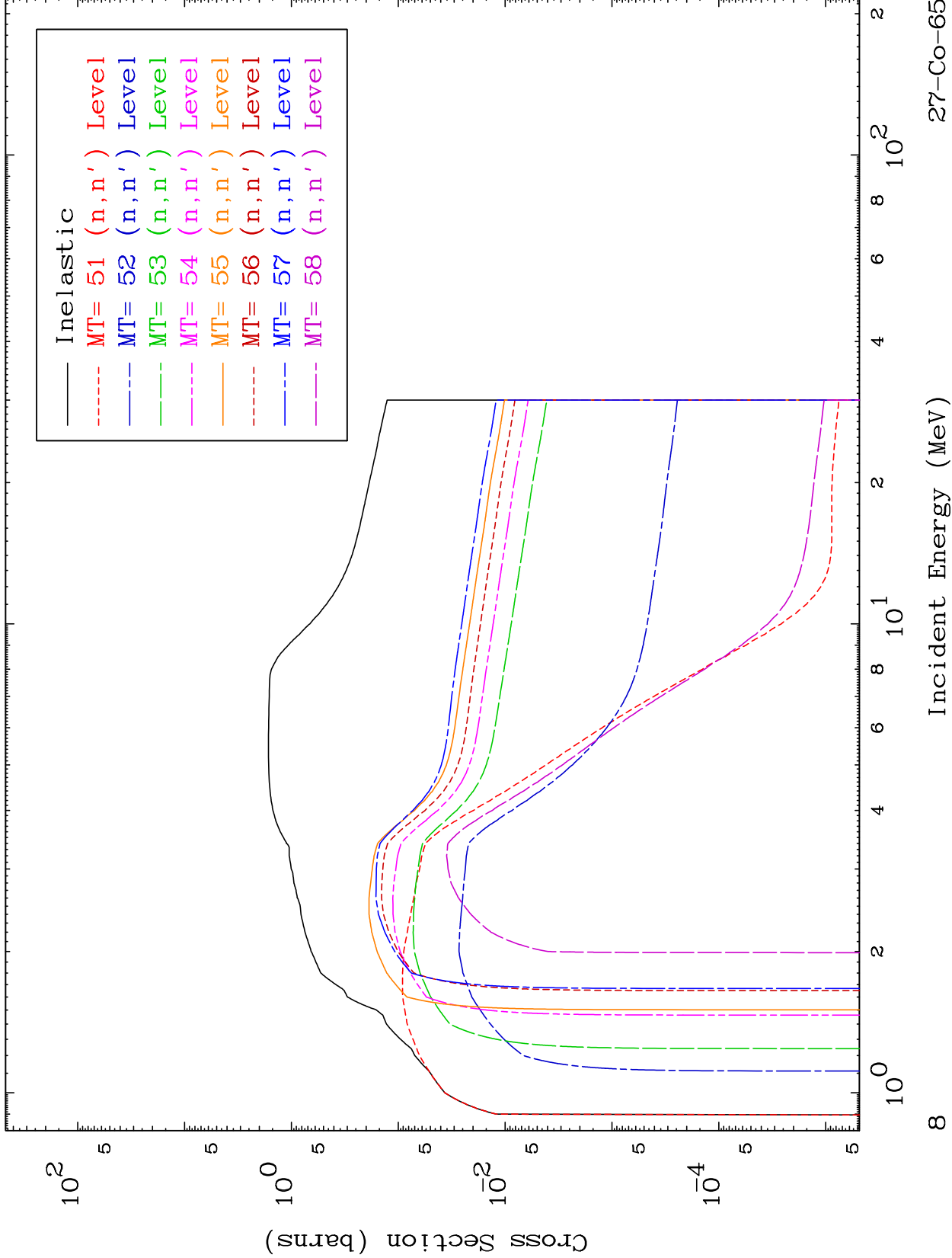
Incident Energy (MeV)

27-Co-65

MAT 2743

(n,n') Levels
293 Kelvin Cross Sections

27-Co-65



27-Co-65

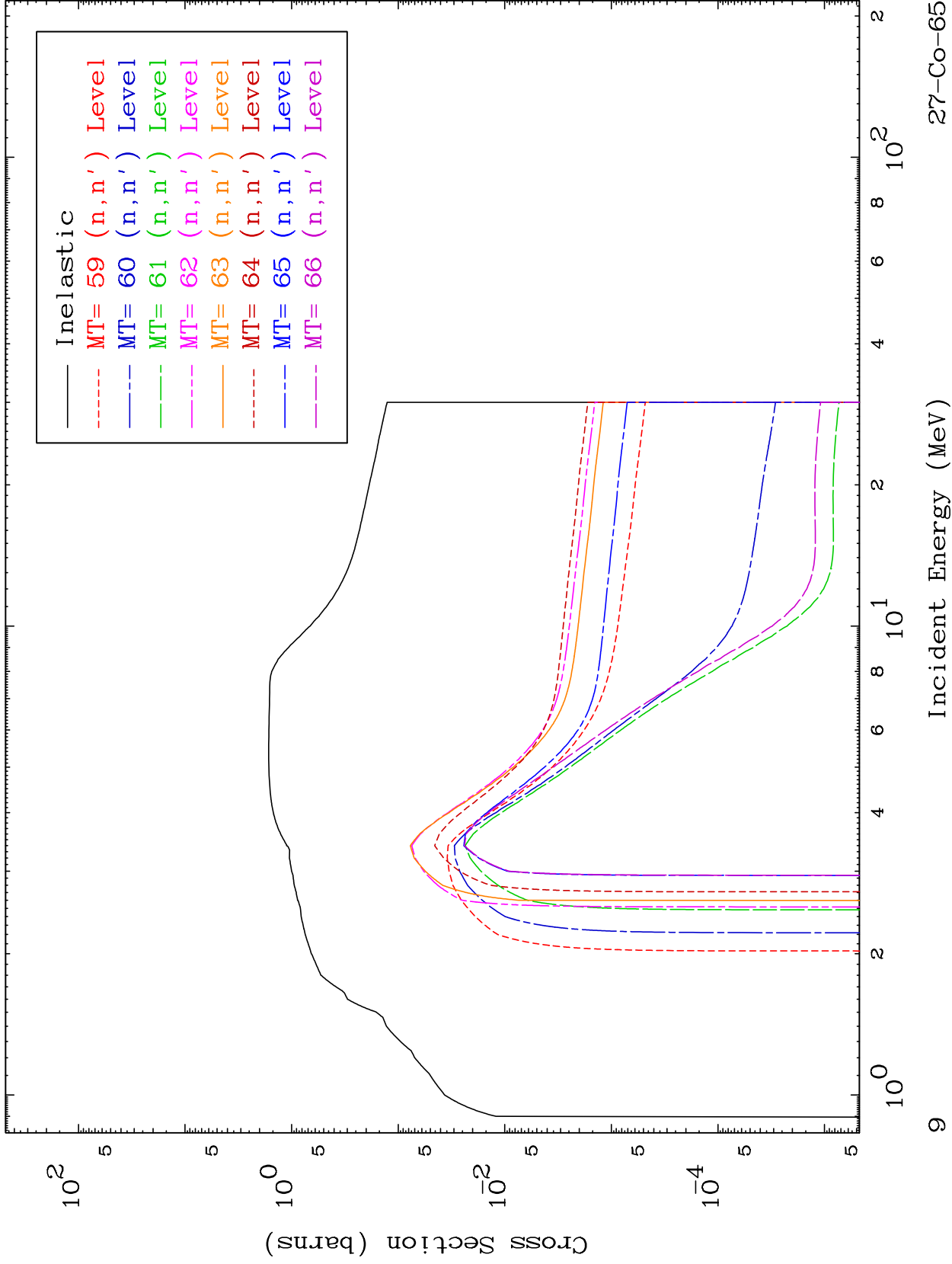
Incident Energy (MeV)

MAT 2743

(n,n') Levels

27-Co-65

293 Kelvin Cross Sections



9

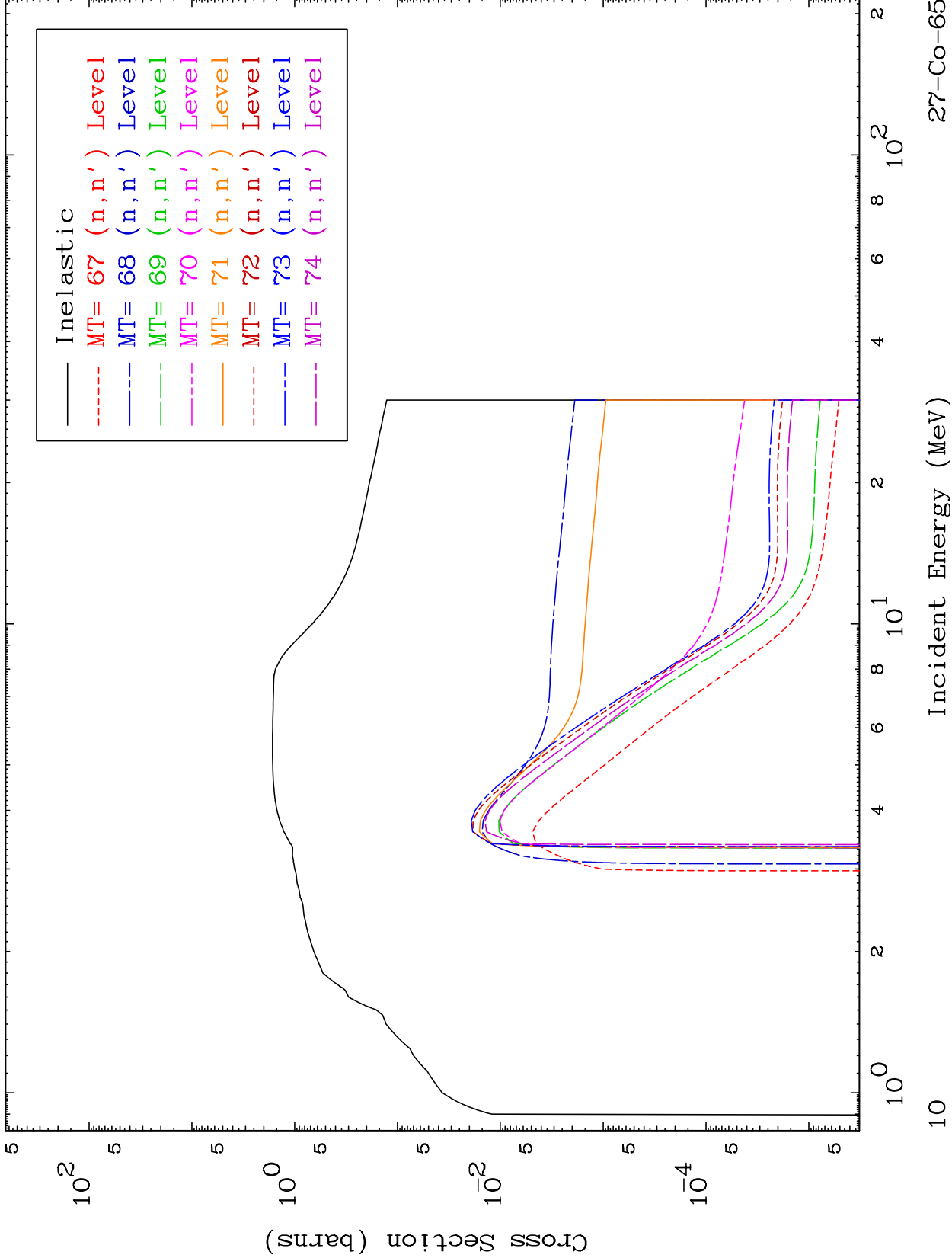
Incident Energy (MeV)

27-Co-65

MAT 2743

(n,n') Levels
293 Kelvin Cross Sections

27-Co-65



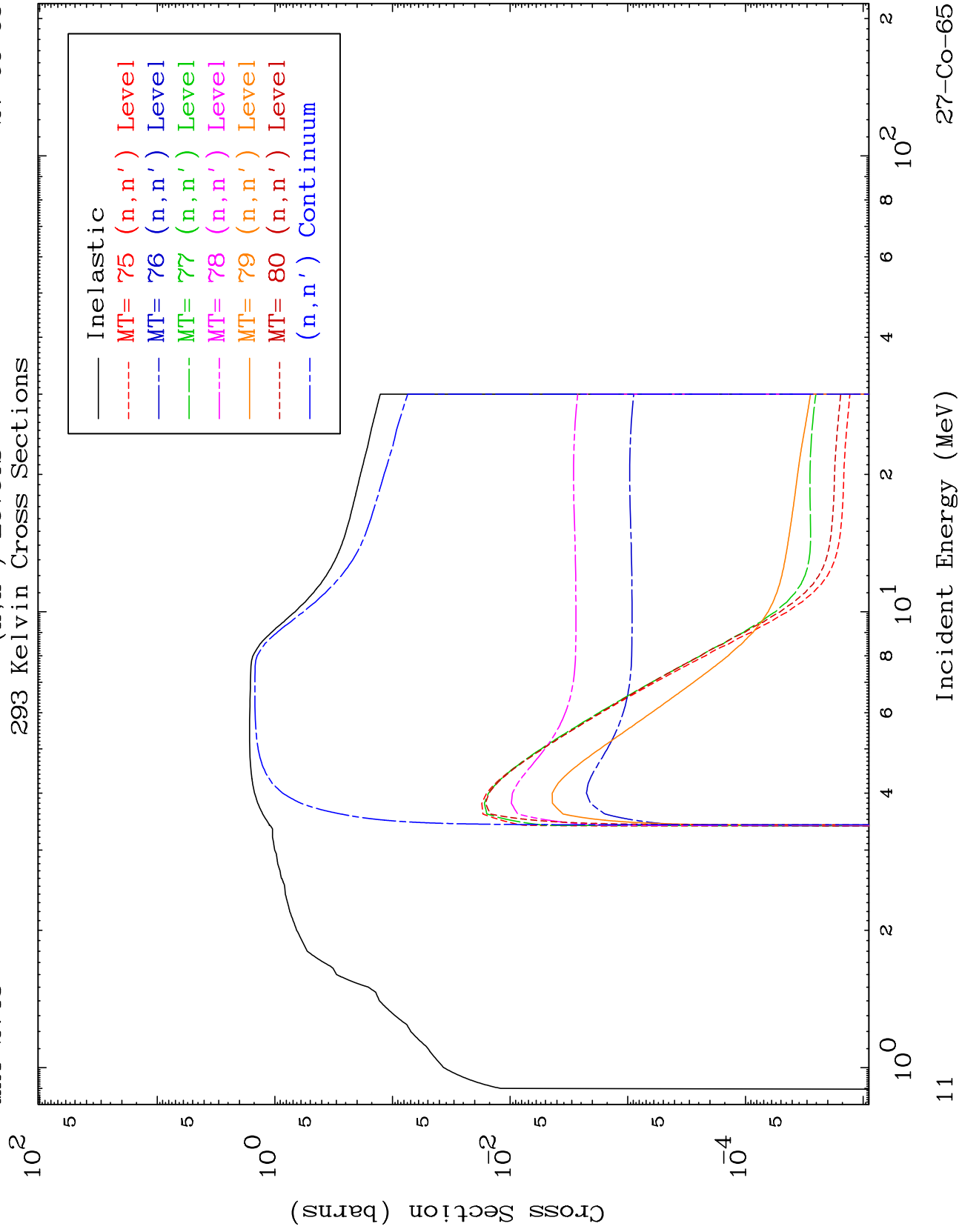
27-Co-65

MAT 2743

(n,n') Levels

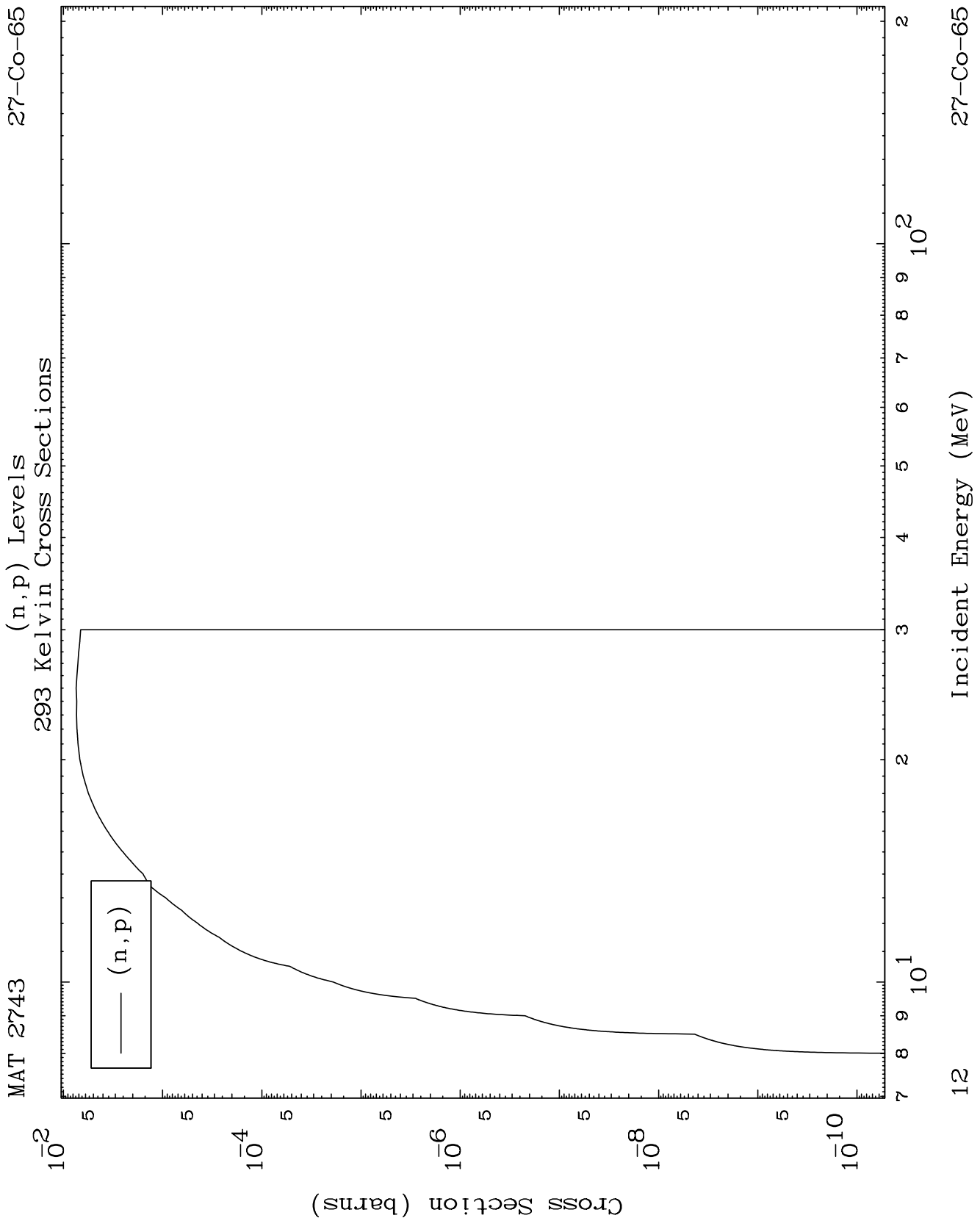
293 Kelvin Cross Sections

27-Co-65



11

27-Co-65



27-Co-65

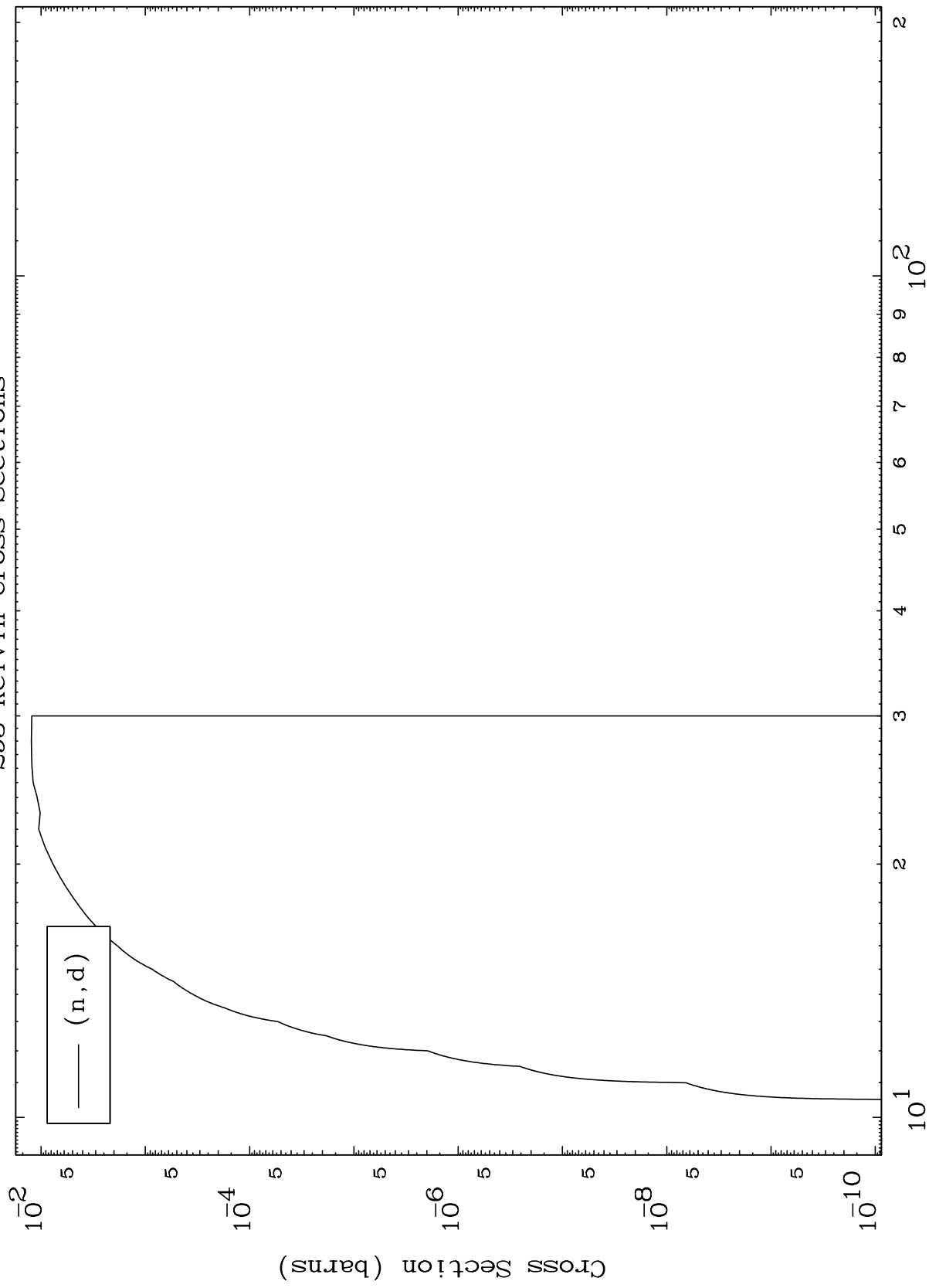
Incident Energy (MeV)

12

MAT 2743

27-Co-65

(n,d) Levels
293 Kelvin Cross Sections



27-Co-65

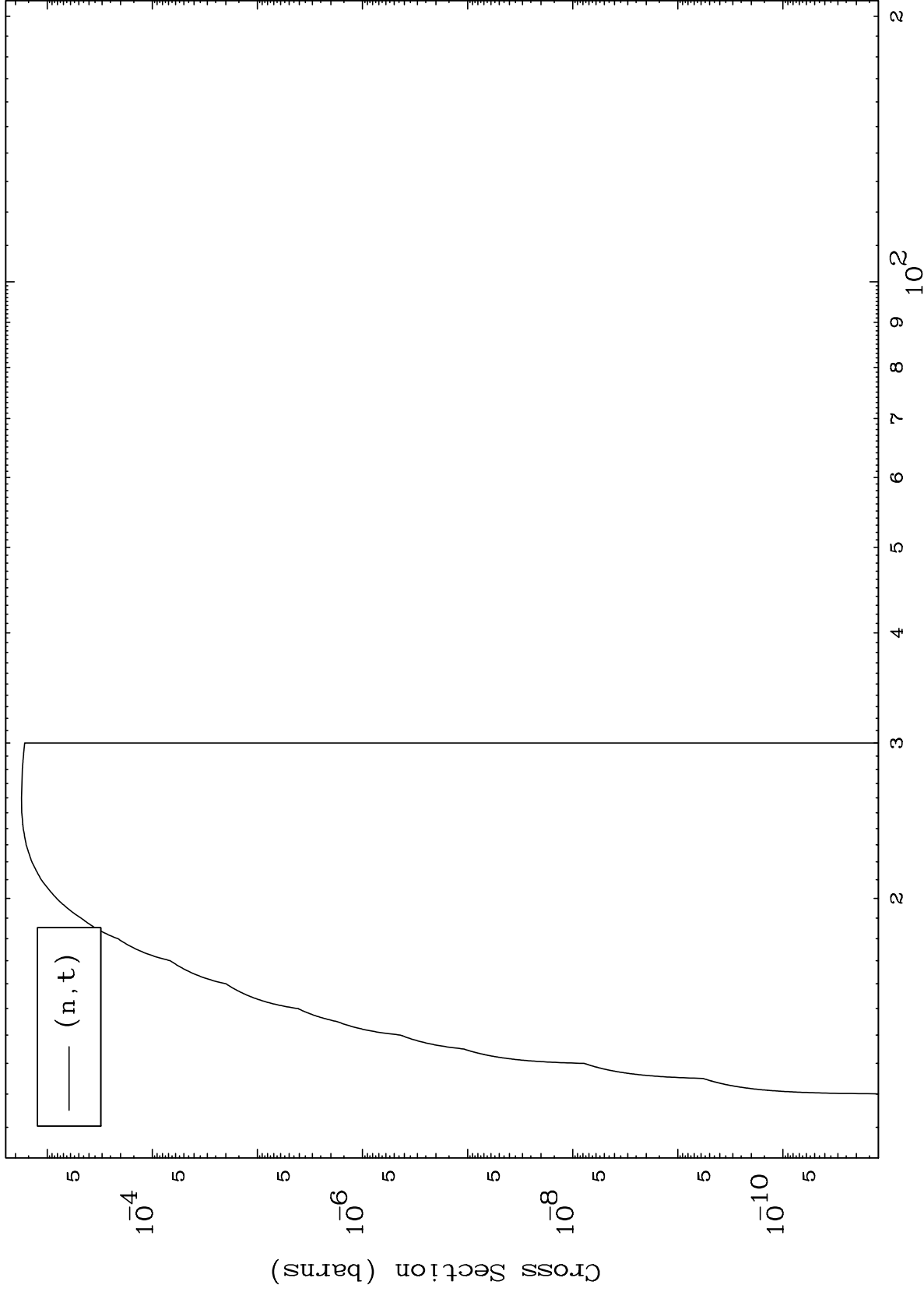
Incident Energy (MeV)

13

MAT 2743

(n,t) Levels
293 Kelvin Cross Sections

27-Co-65



14

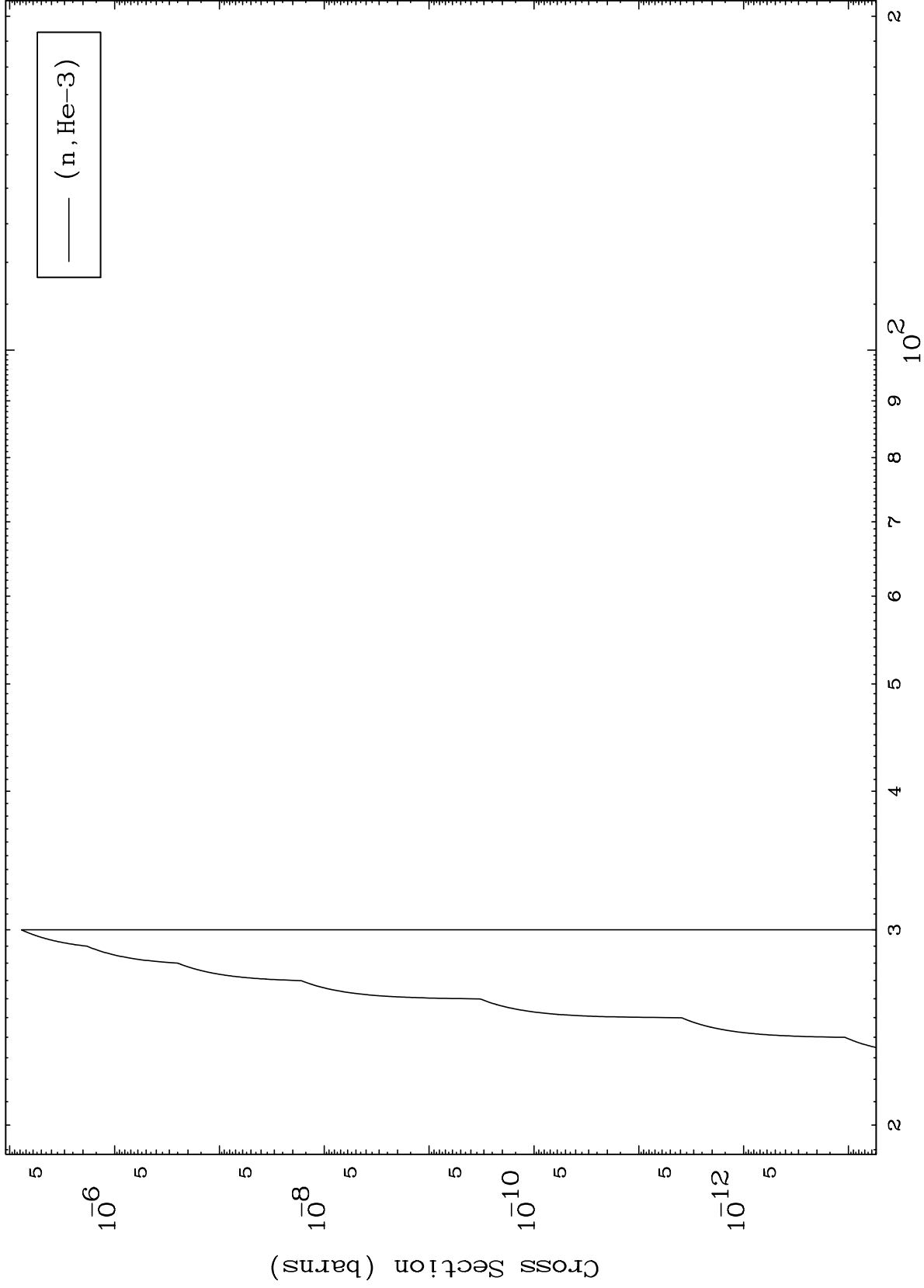
Incident Energy (MeV)

27-Co-65

MAT 2743

(n,He3) Levels
293 Kelvin Cross Sections

27-Co-65



15

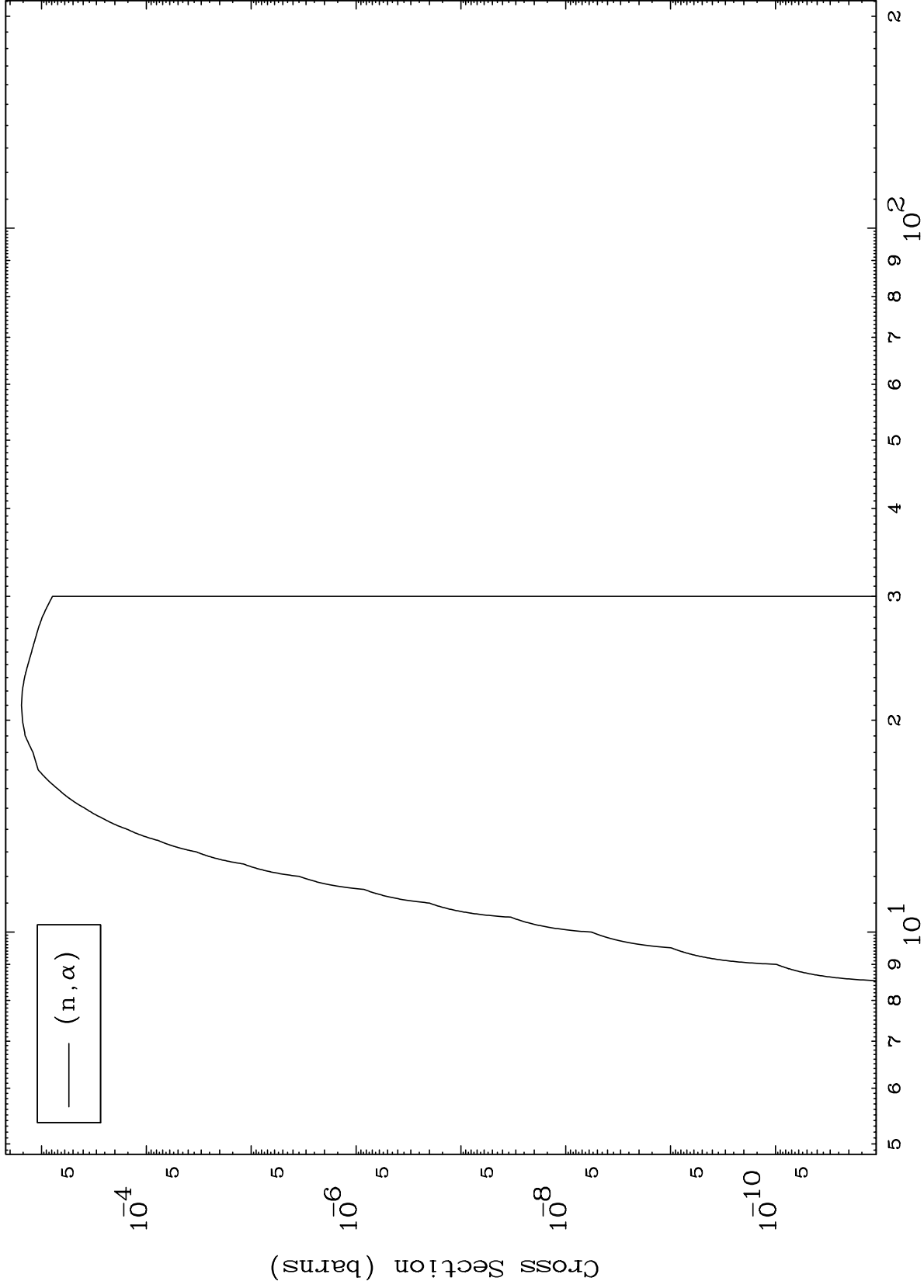
Incident Energy (MeV)

27-Co-65

MAT 2743

(n, α) Levels
293 Kelvin Cross Sections

27-Co-65



16

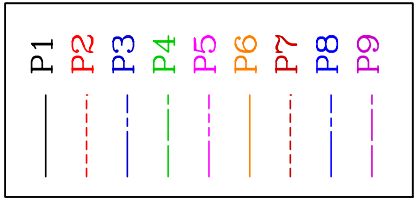
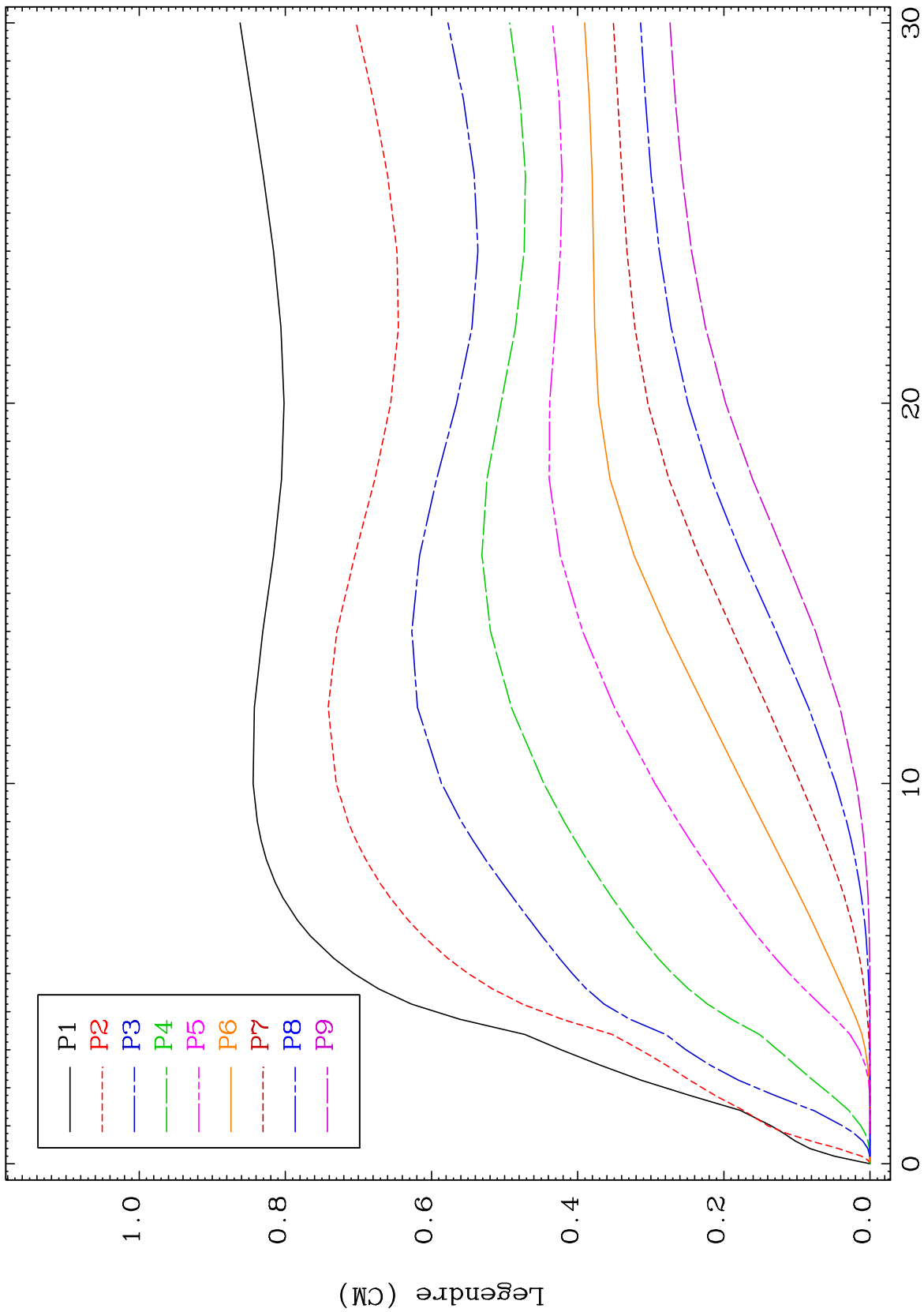
Incident Energy (MeV)

27-Co-65

MAT 2743

Elastic Legendre Coefficients

27-Co-65



17

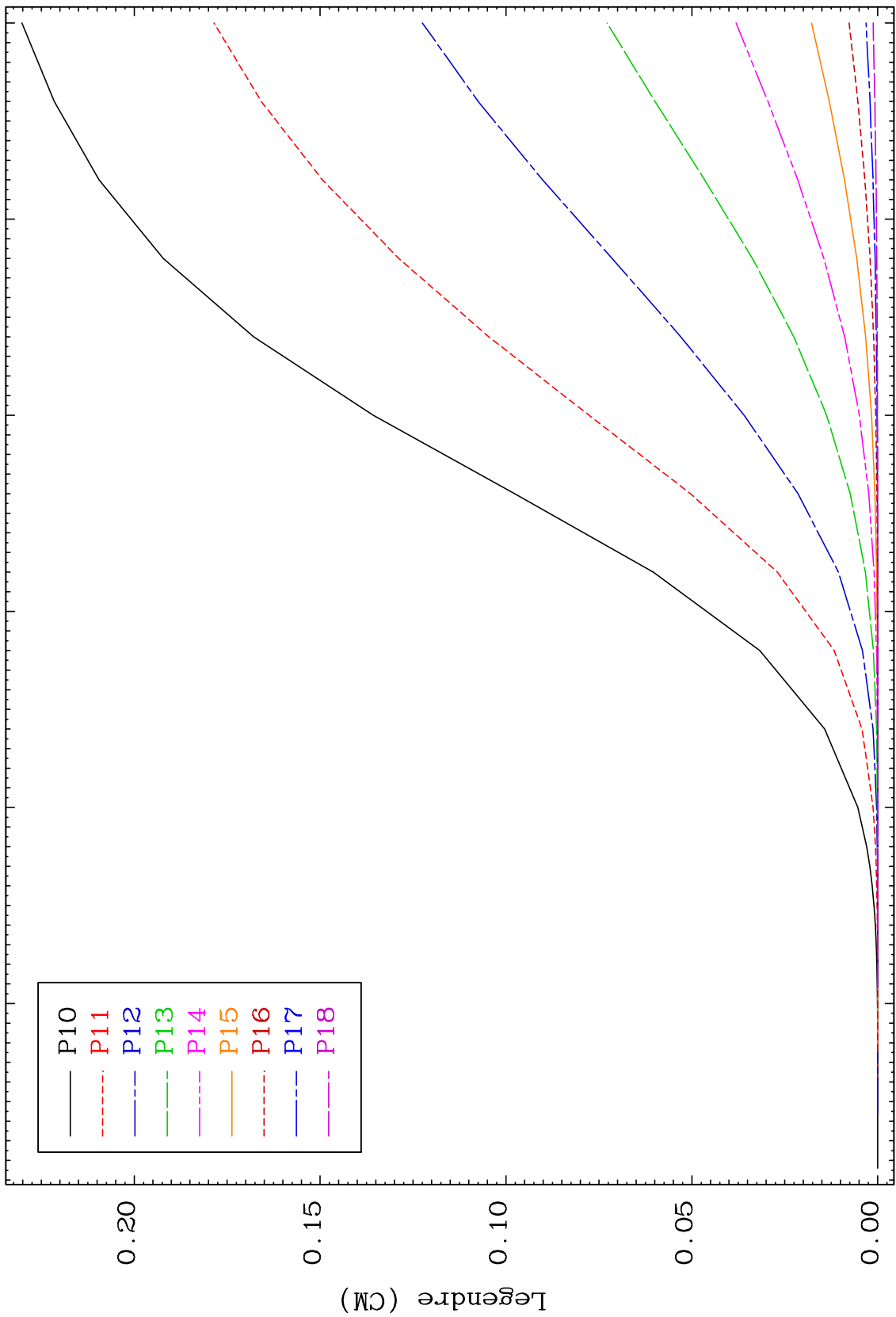
Incident Energy (MeV)

27-Co-65

MAT 2743

Elastic Legendre Coefficients

27-Co-65



18

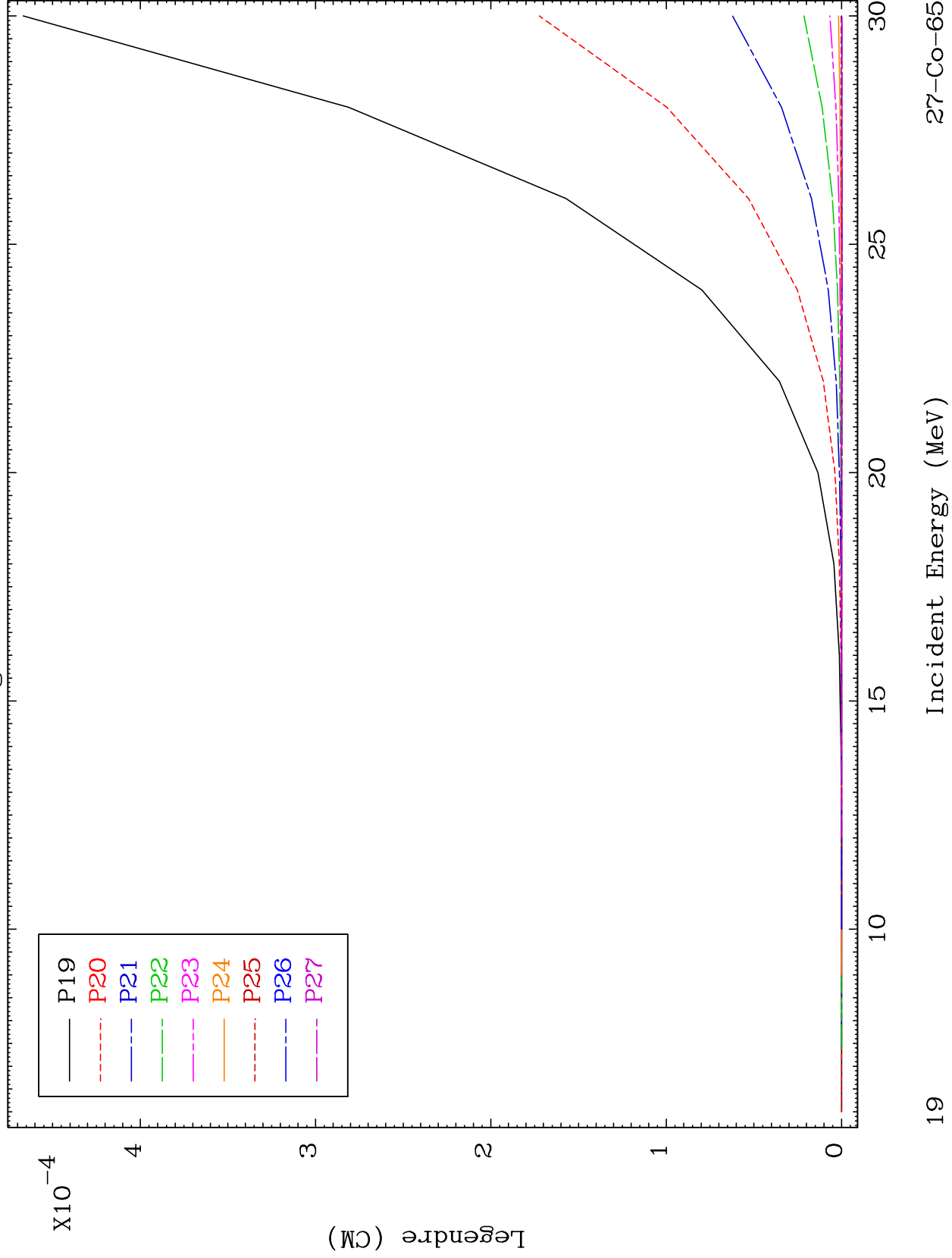
Incident Energy (MeV)

27-Co-65

MAT 2743

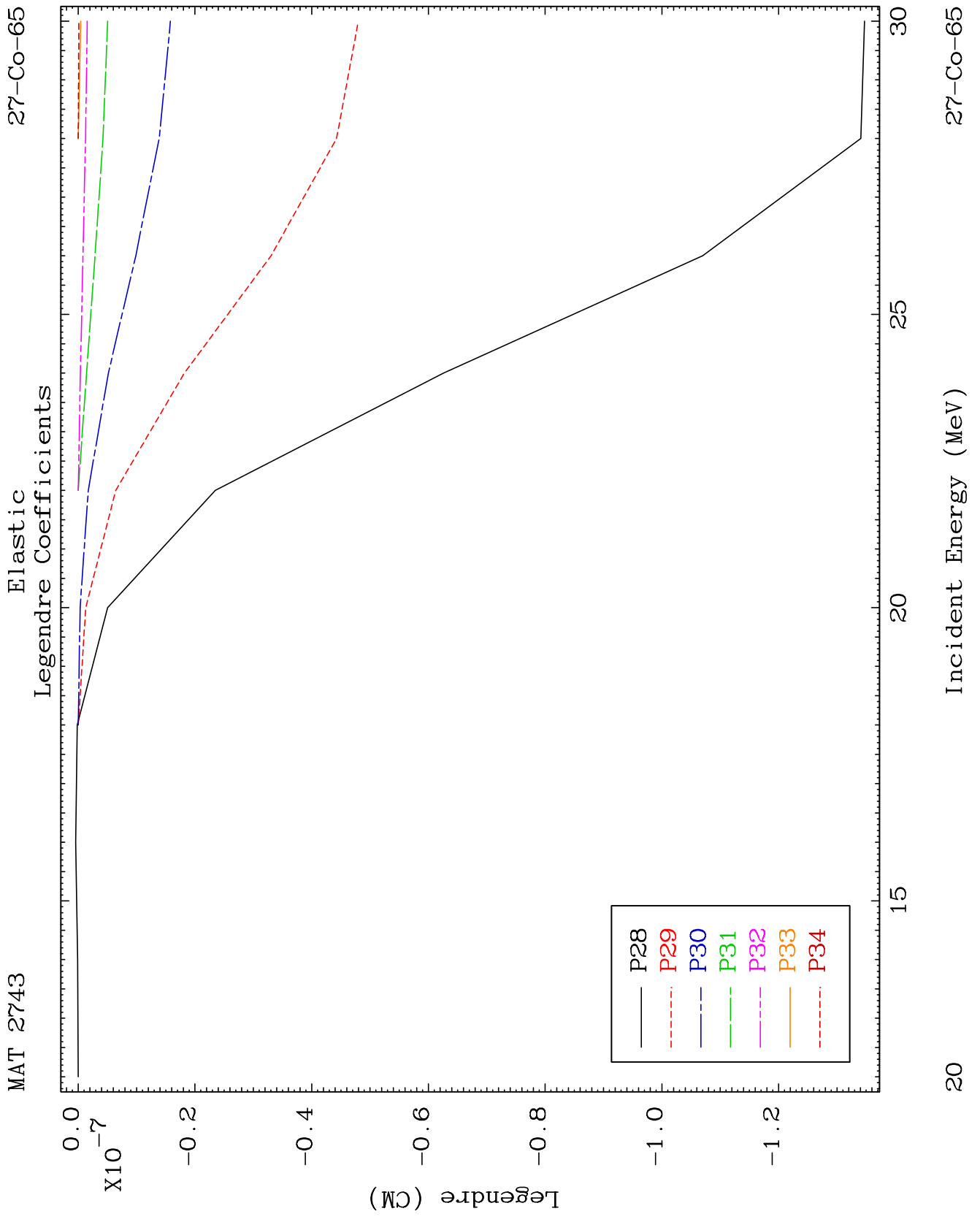
Elastic Legendre Coefficients

27-Co-65



19

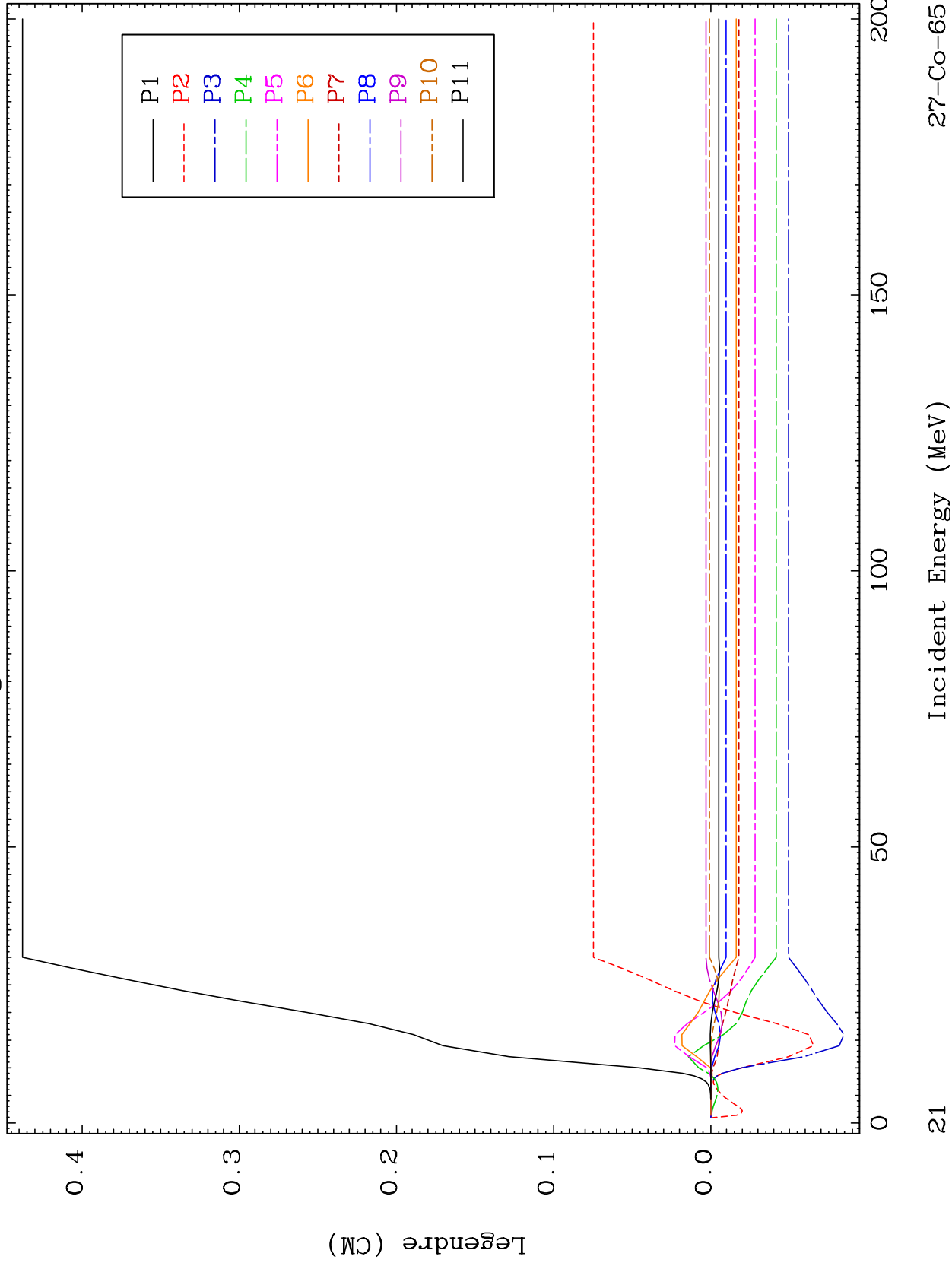
27-Co-65



MAT 2743

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

27-Co-65



27-Co-65

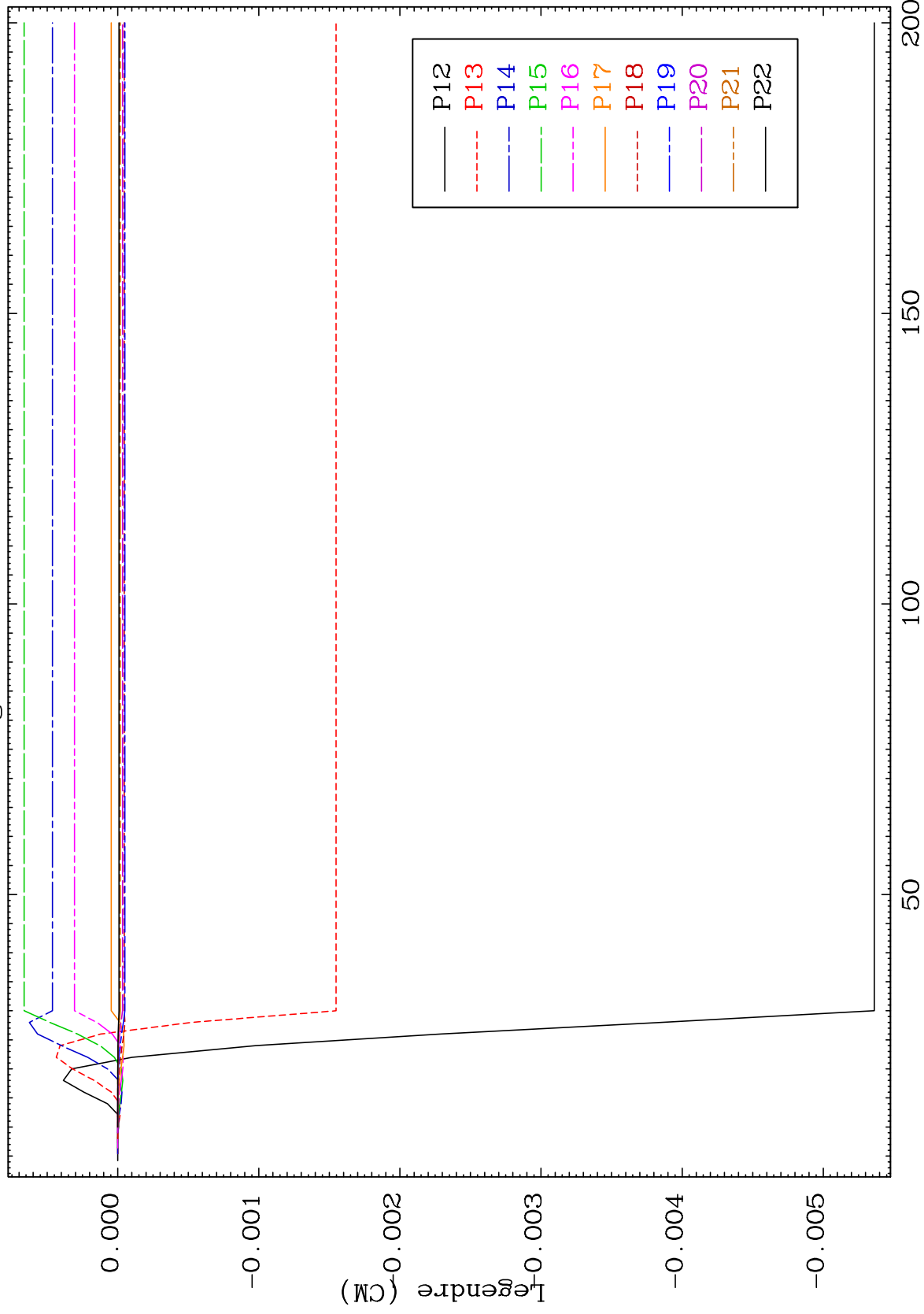
Incident Energy (MeV)

21

MAT 2743

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

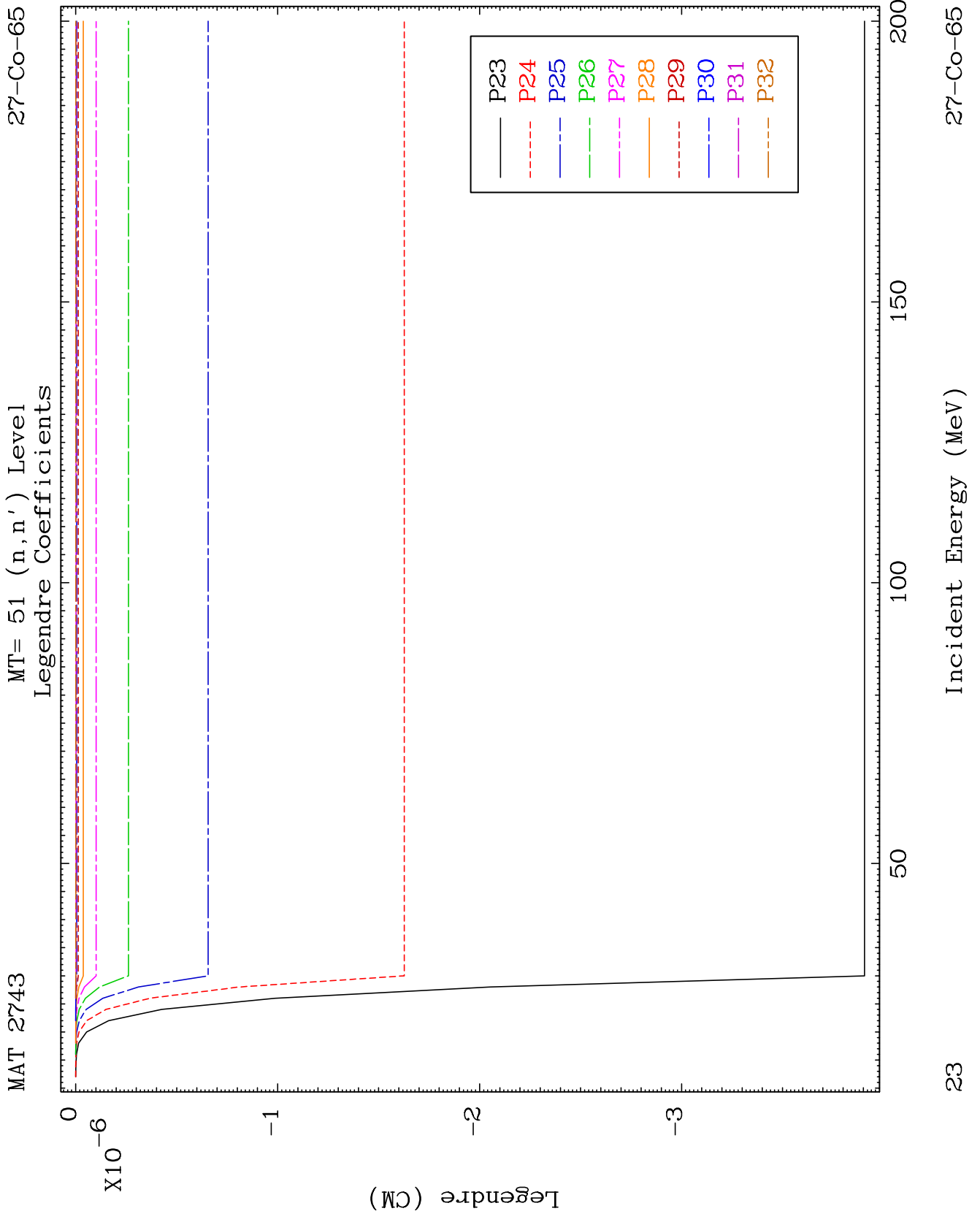
27-Co-65



22

Incident Energy (MeV)

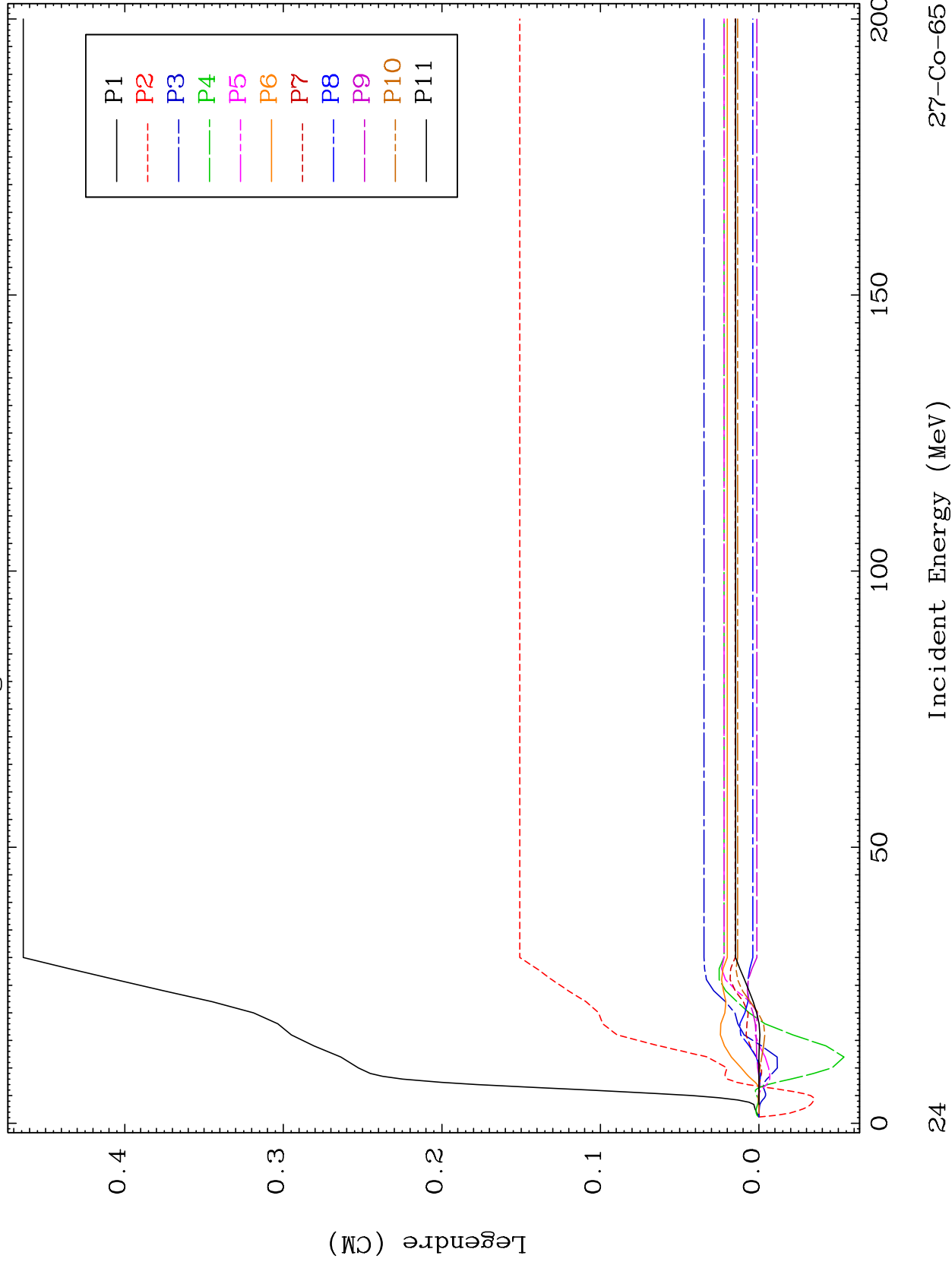
27-Co-65



MAT 2743

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

27-Co-65



27-Co-65

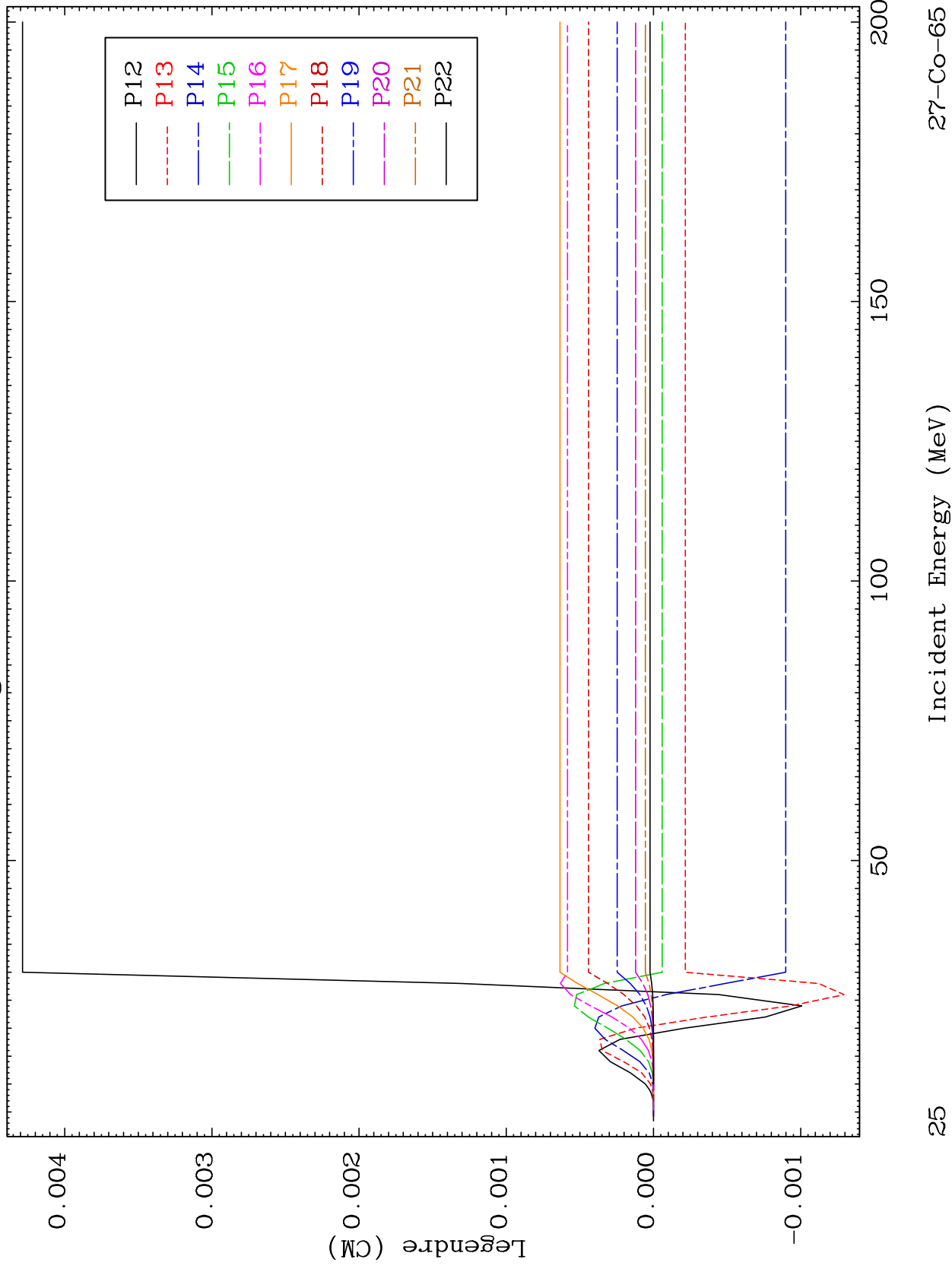
Incident Energy (MeV)

24

MAT 2743

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

27-Co-65



27-Co-65

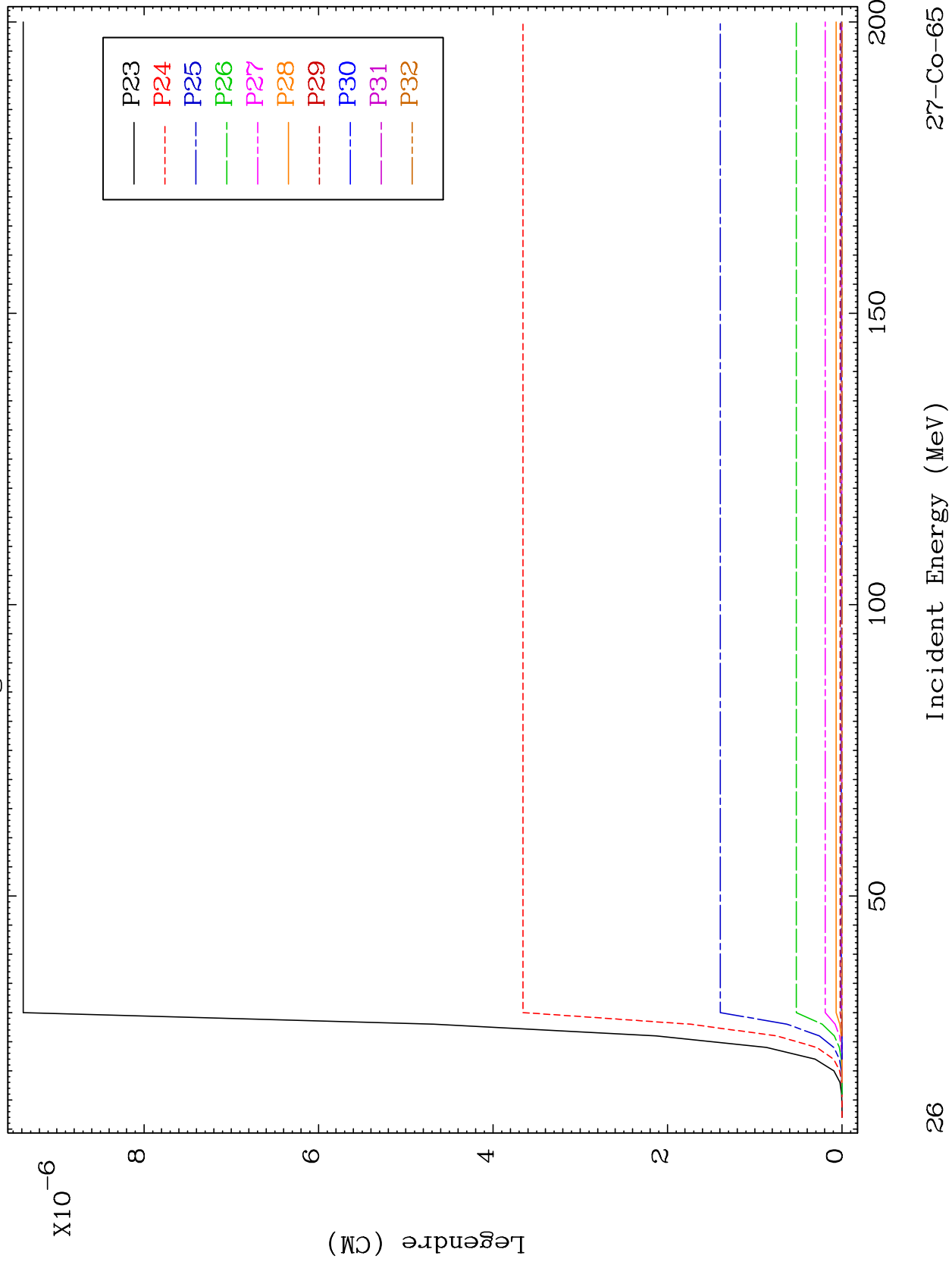
Incident Energy (MeV)

25

MAT 2743

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

27-Co-65



26

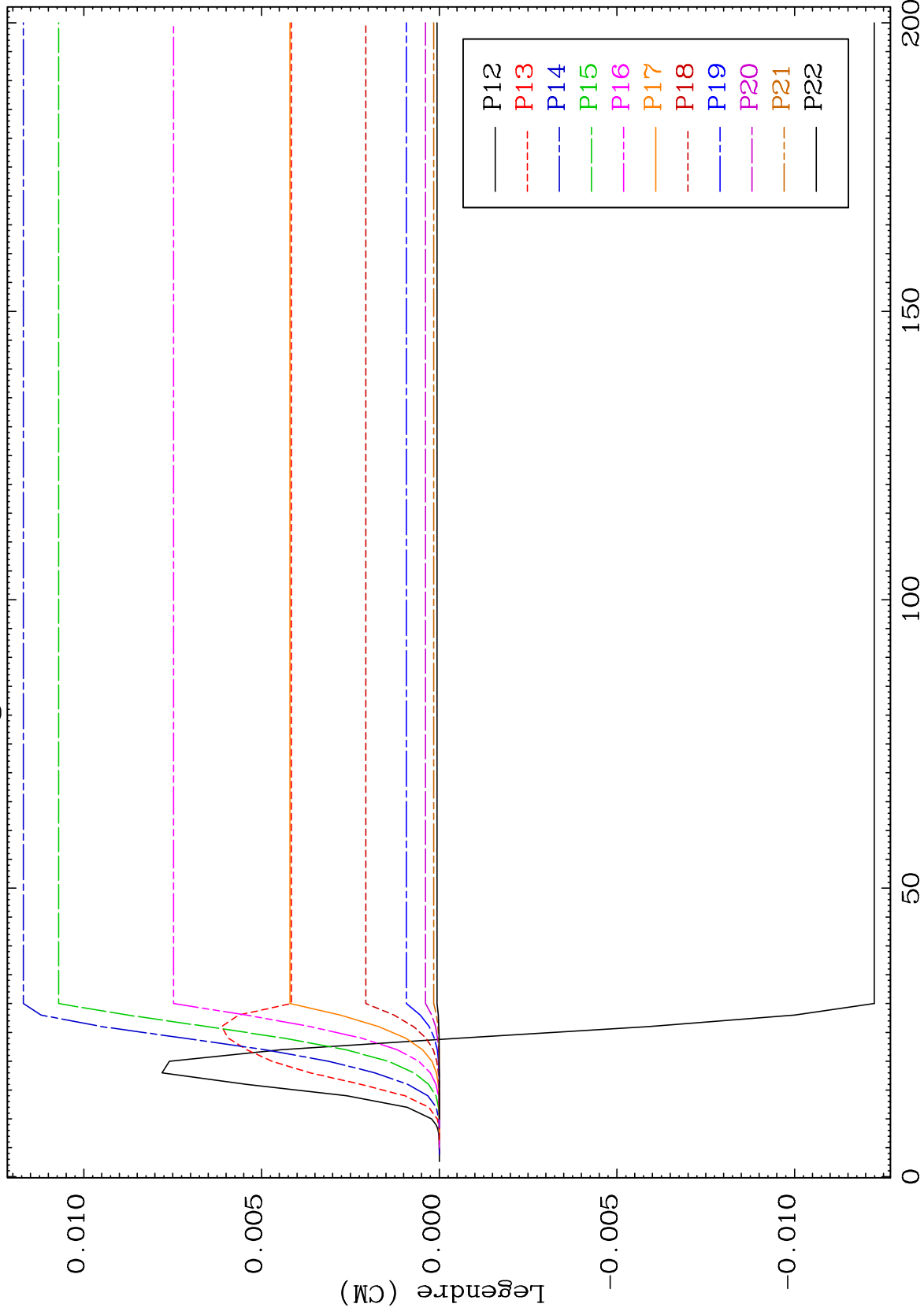
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



28

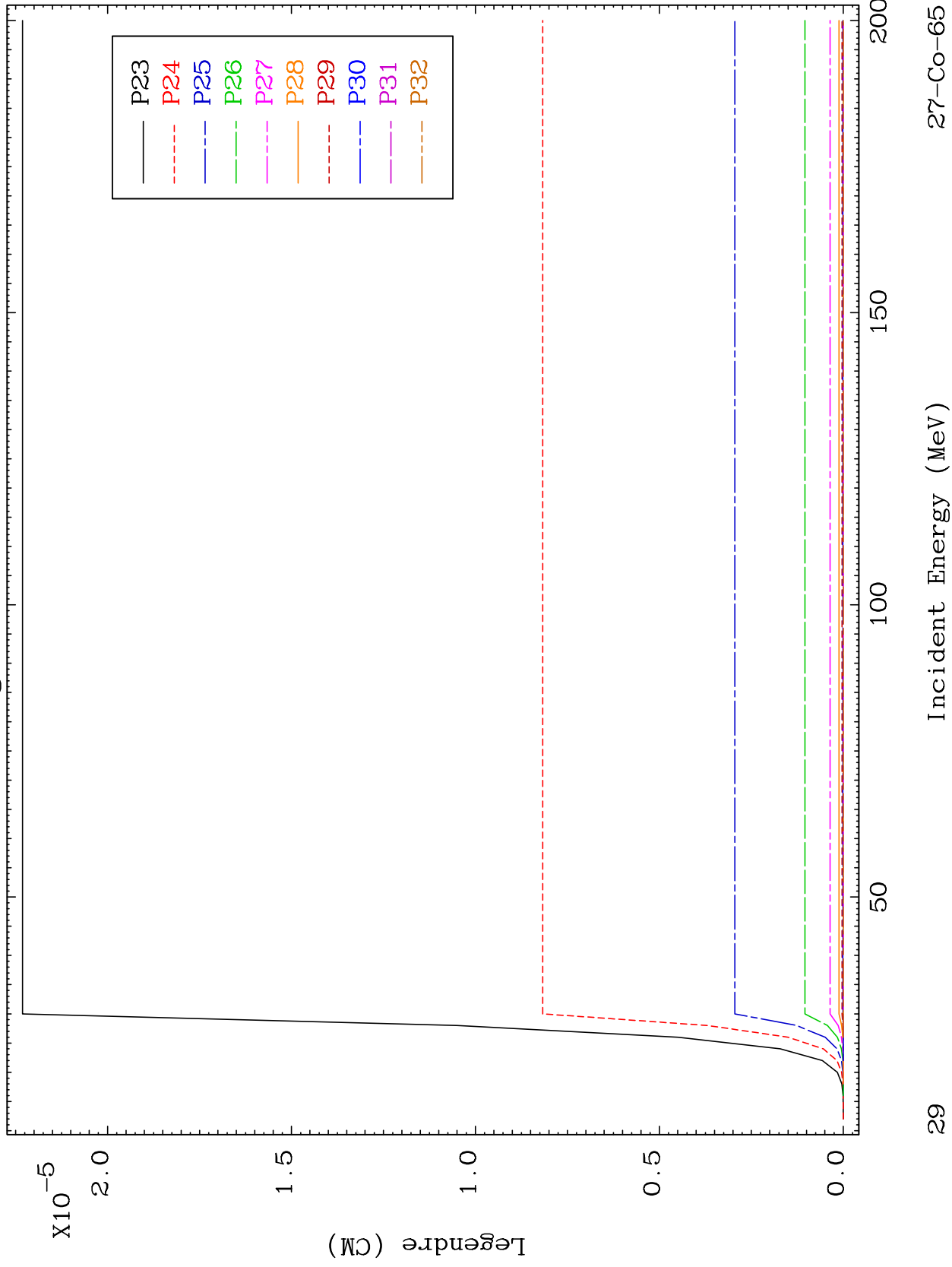
Incident Energy (MeV)

27-Co-65

MAT 2743

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

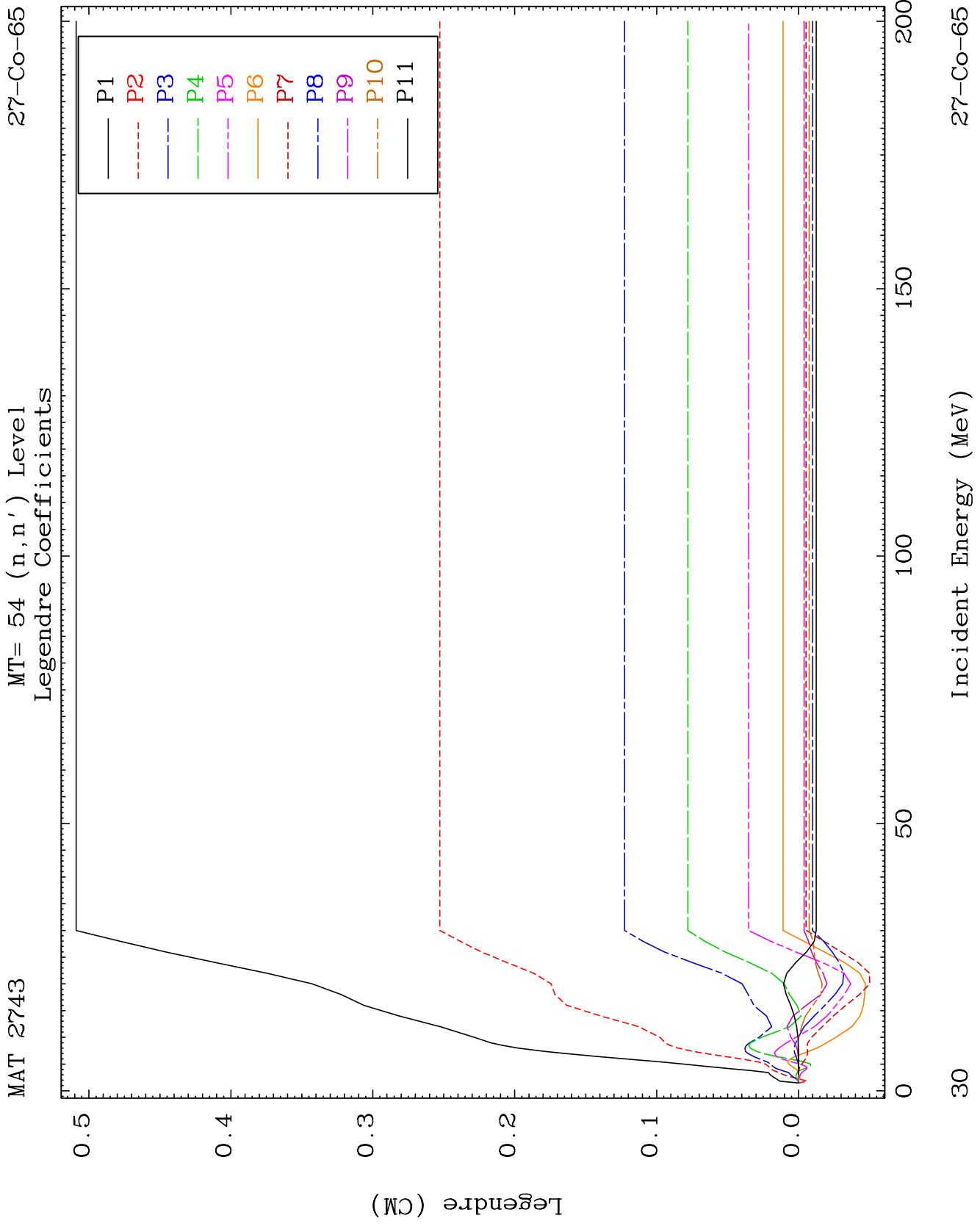
27-Co-65



29

Incident Energy (MeV)

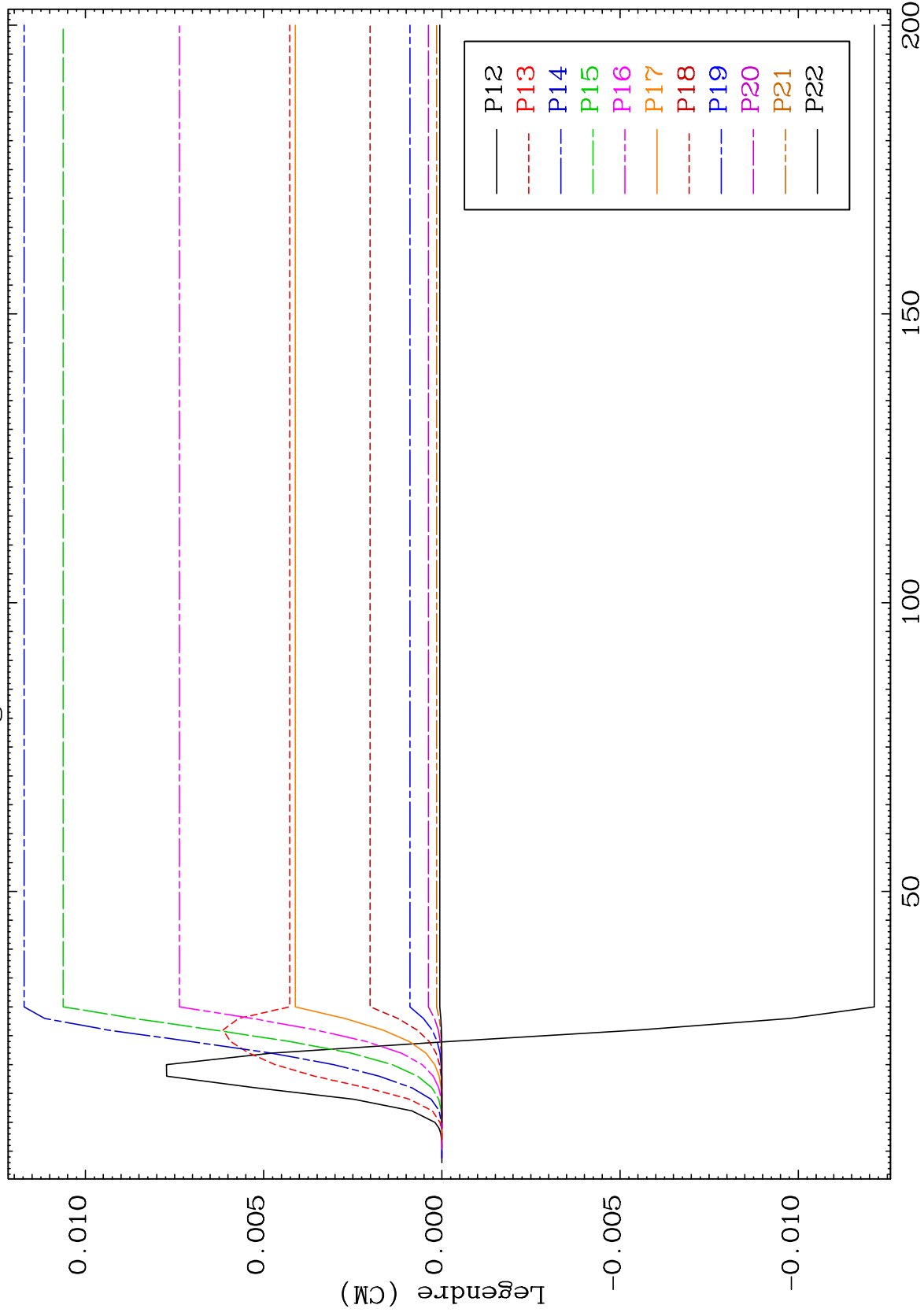
27-Co-65



MAT 2743

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

27-Co-65



31

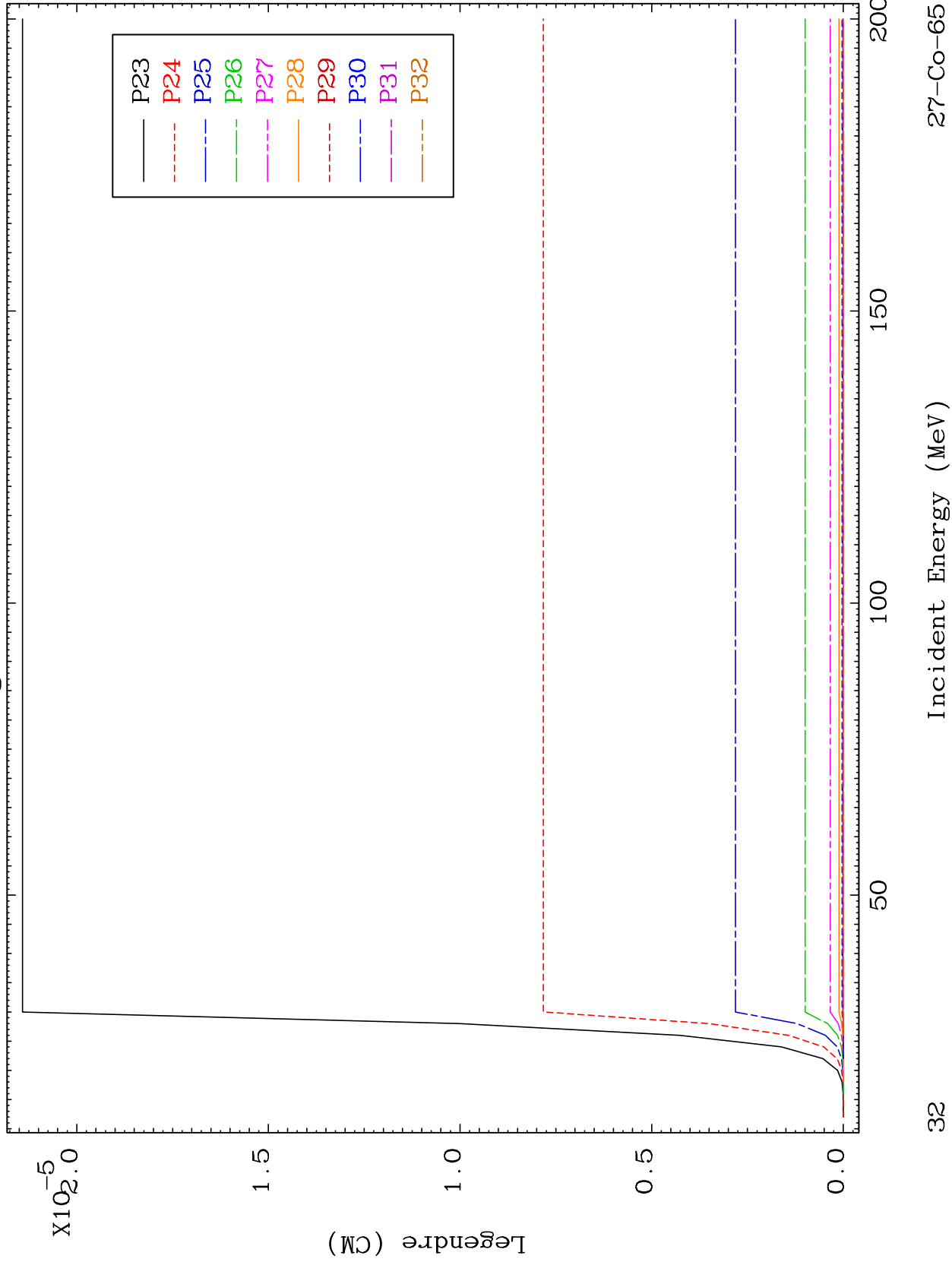
Incident Energy (MeV)

27-Co-65

MAT 2743

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

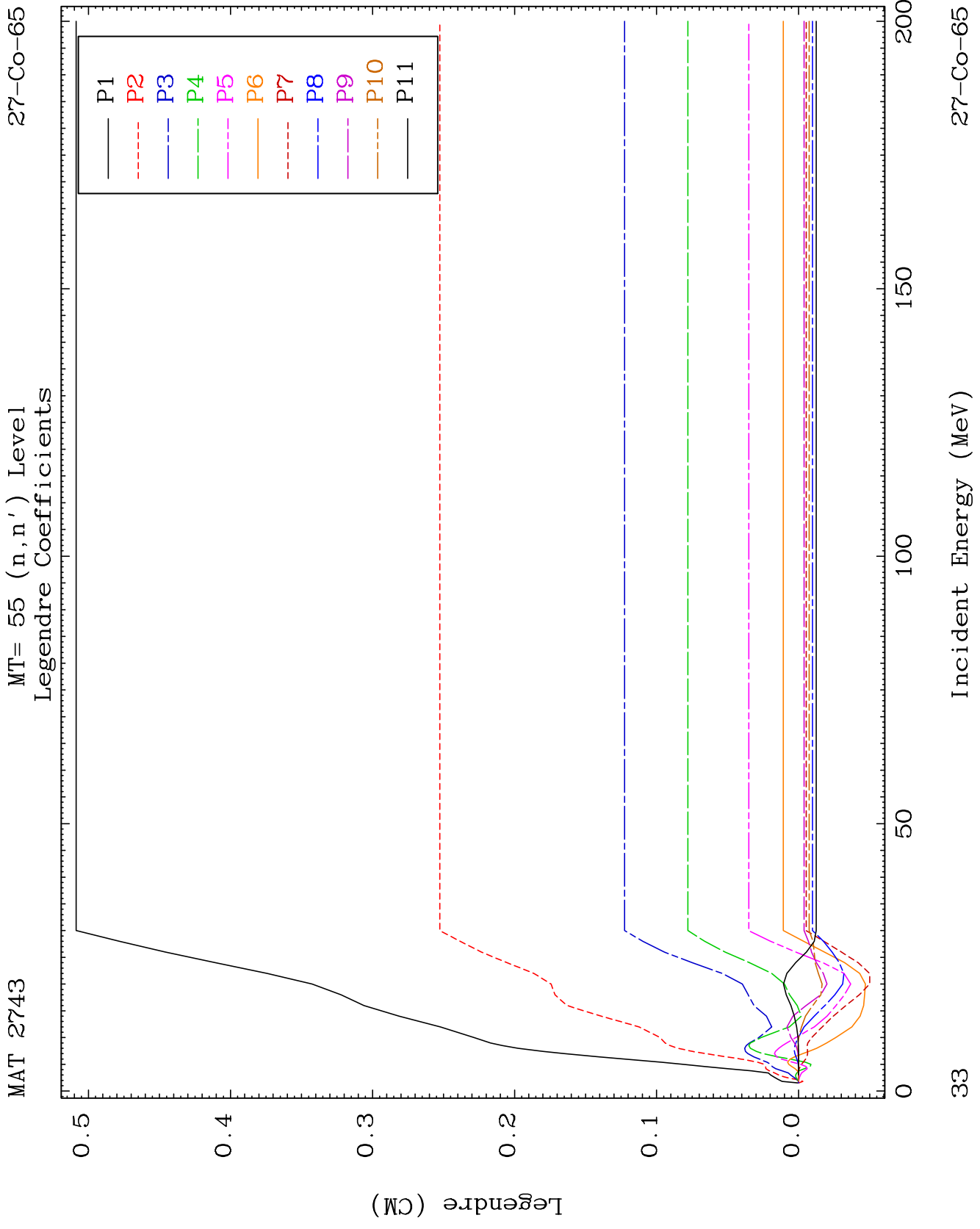
27-Co-65



32

Incident Energy (MeV)

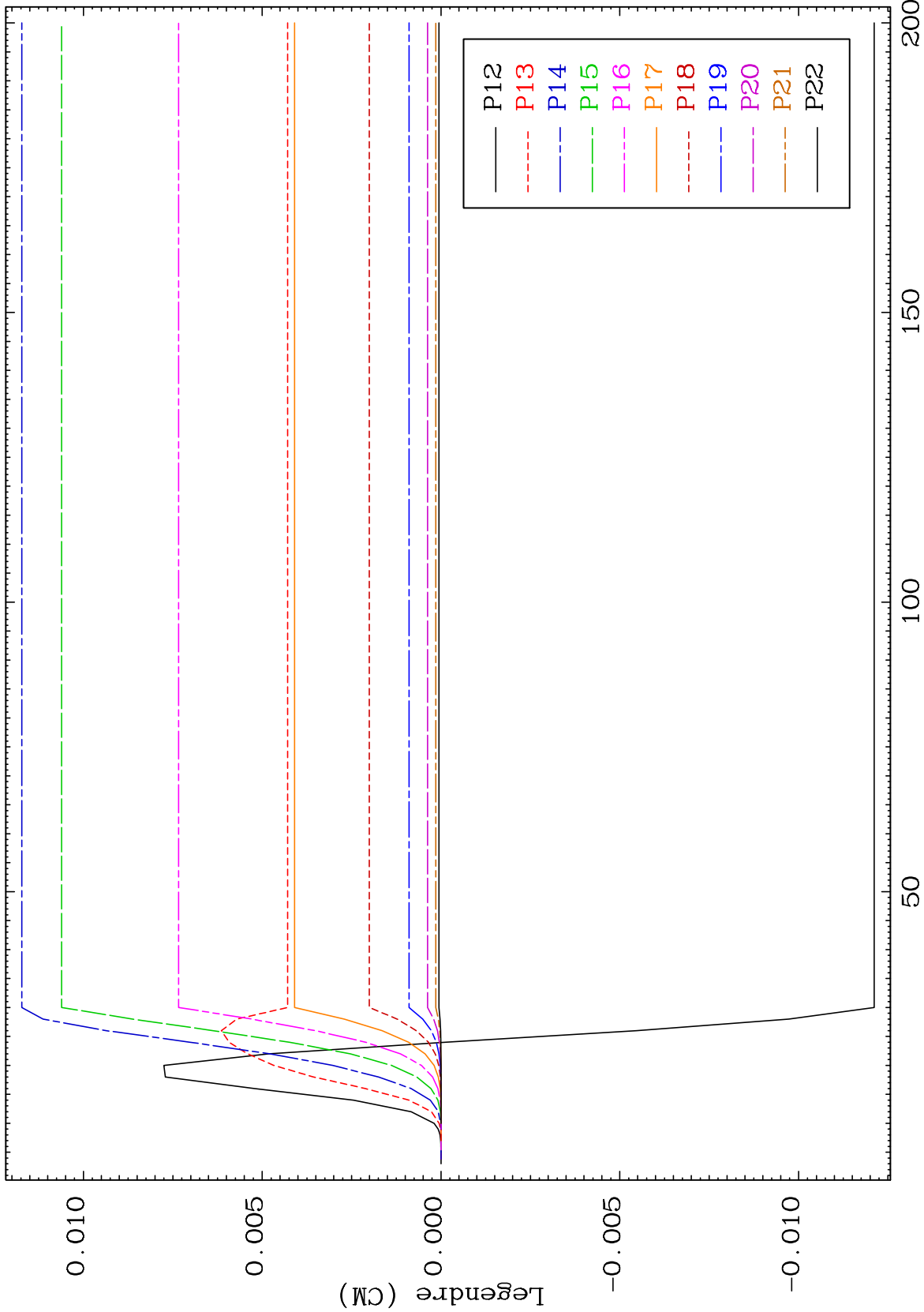
27-Co-65



MAT 2743

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

27-Co-65



34

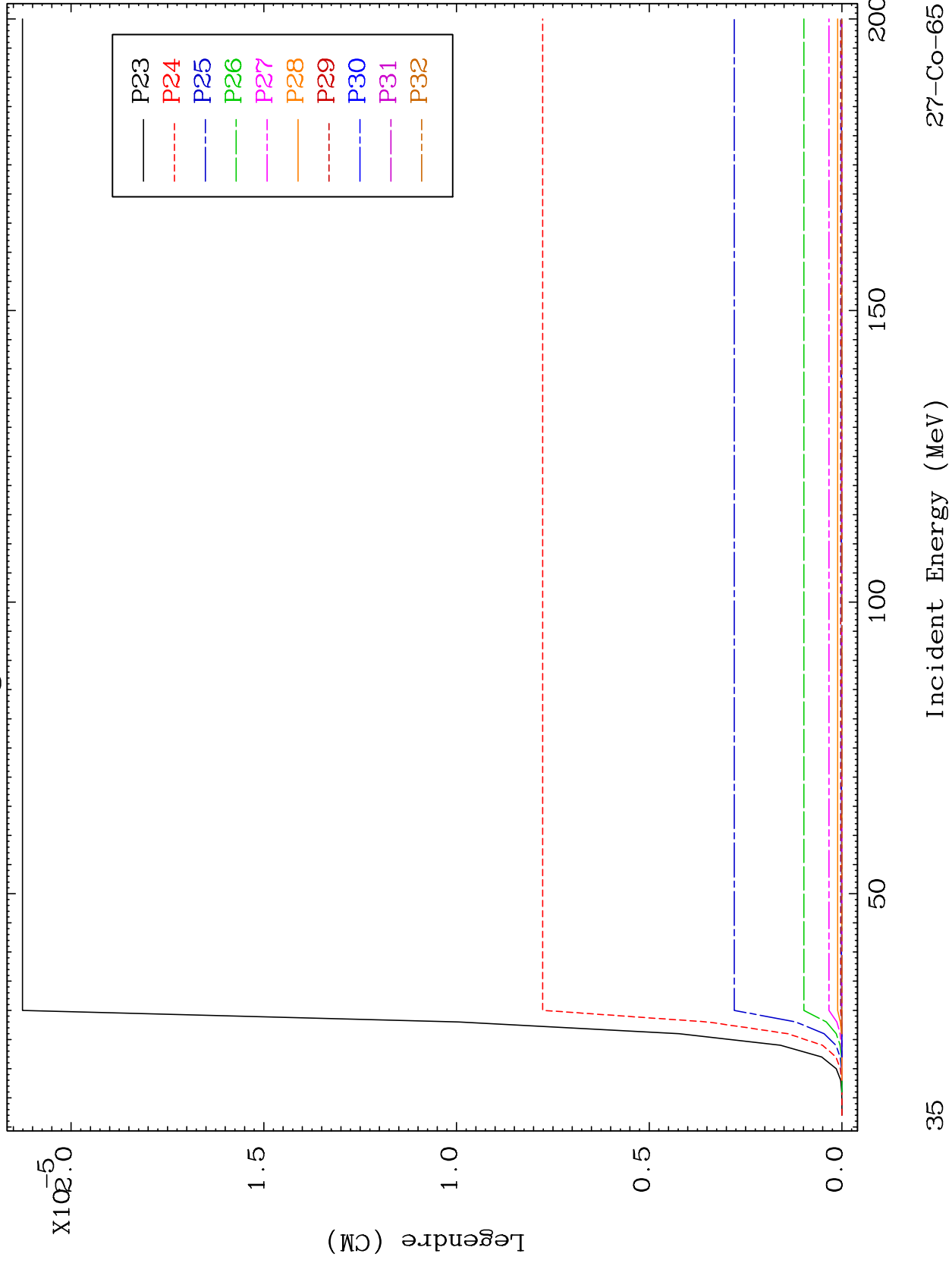
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



35

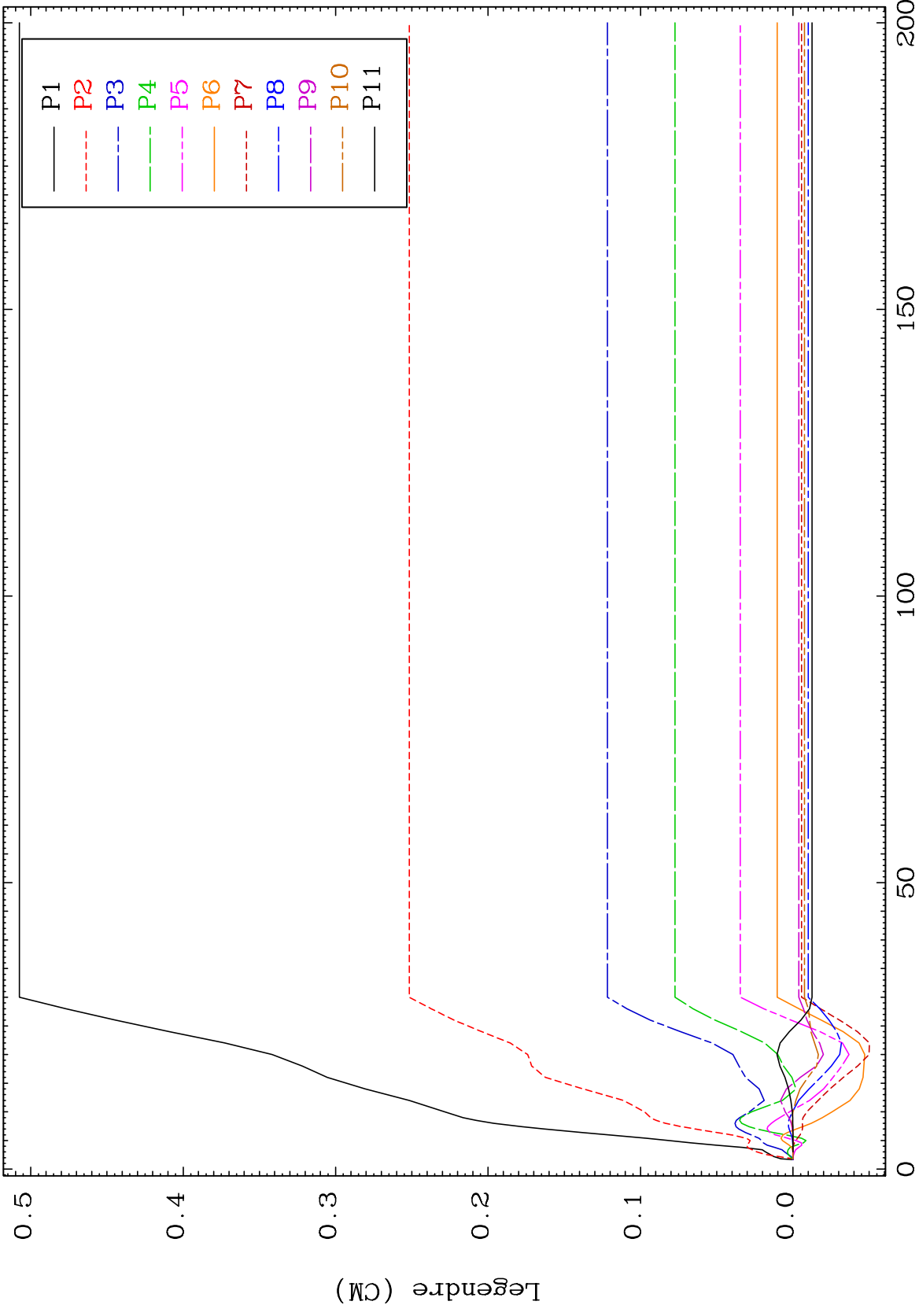
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



36

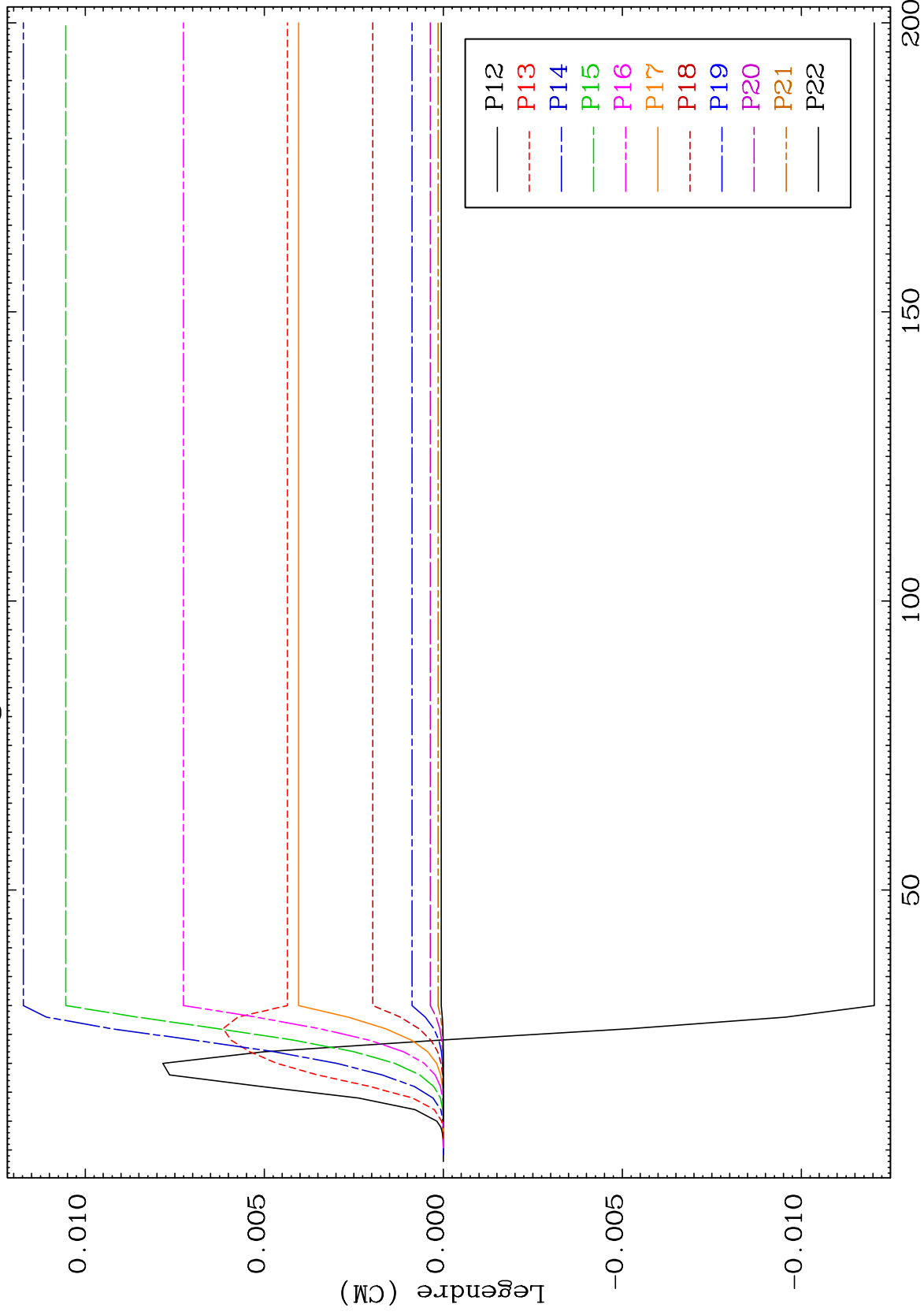
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



37

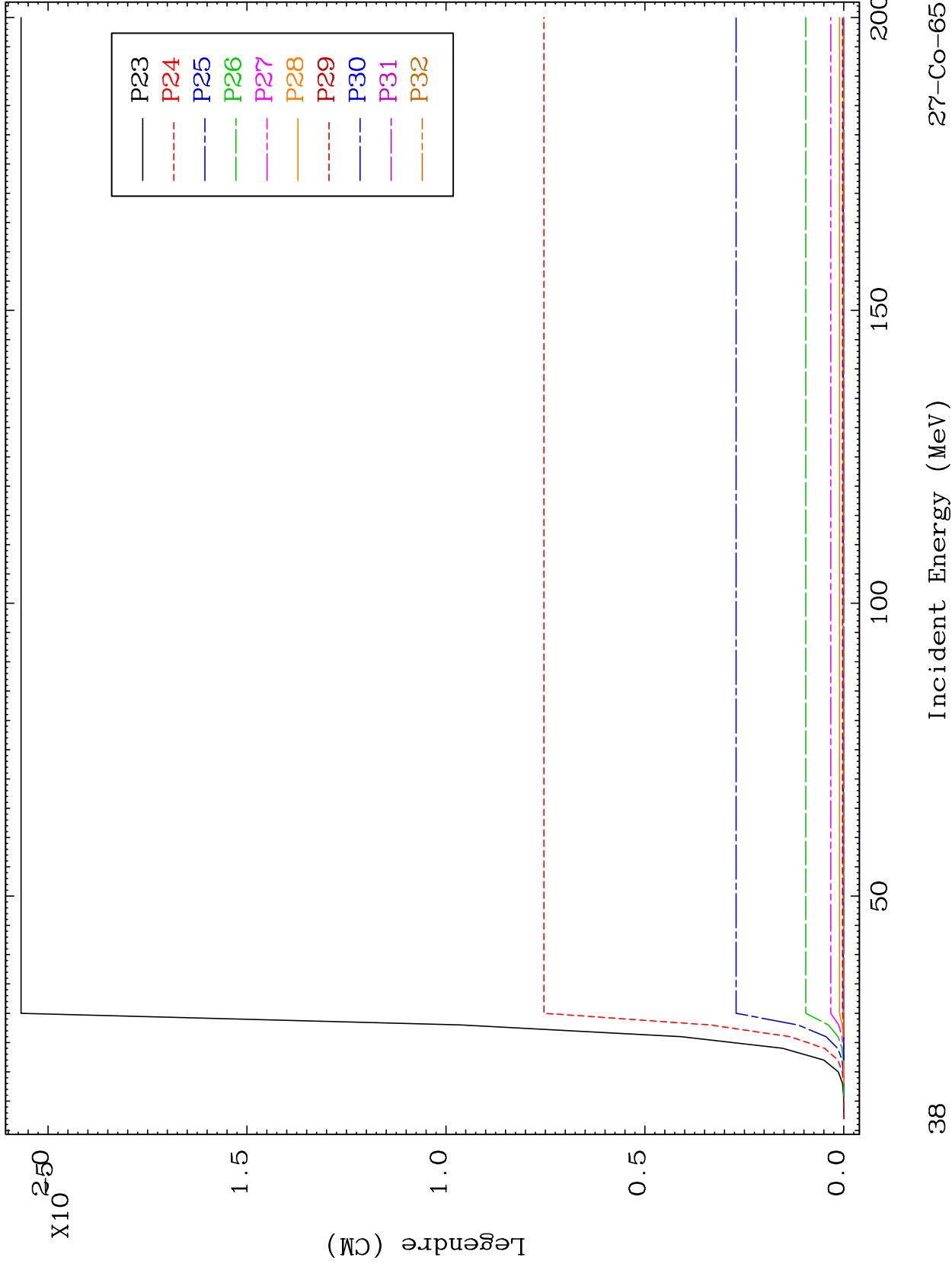
Incident Energy (MeV)

27-Co-65

MAT 2743

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

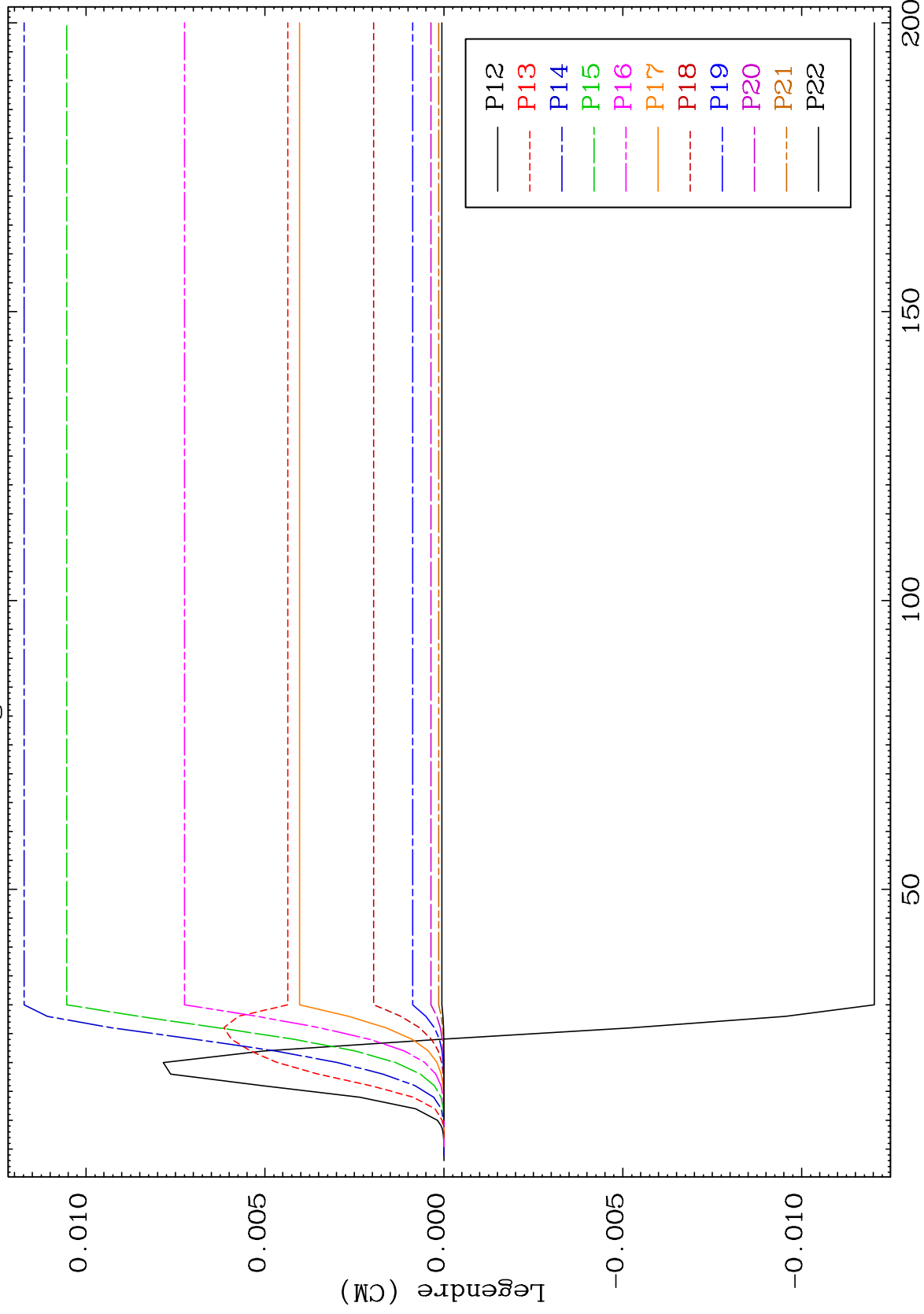
27-Co-65



MAT 2743

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

27-Co-65



40

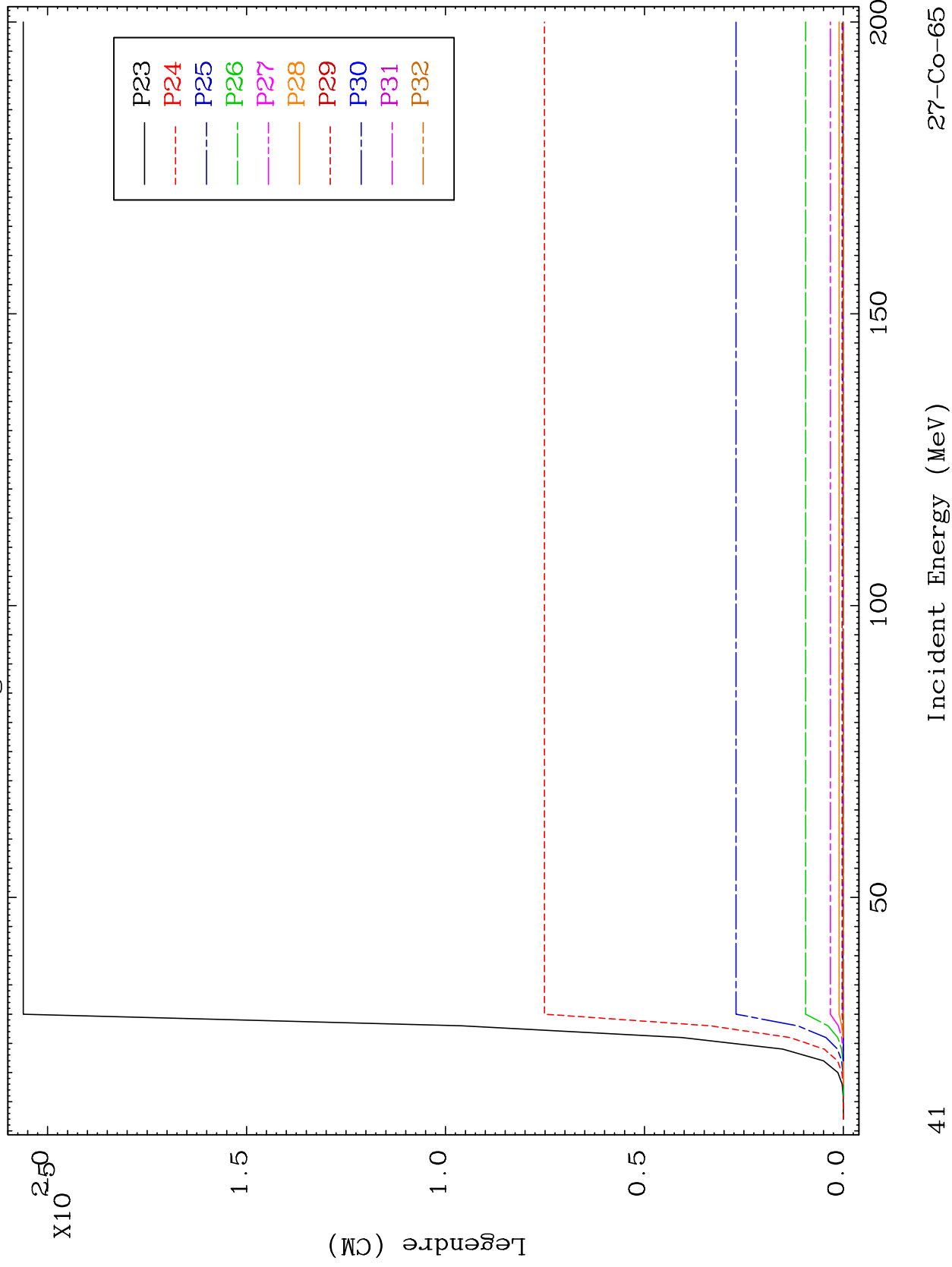
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



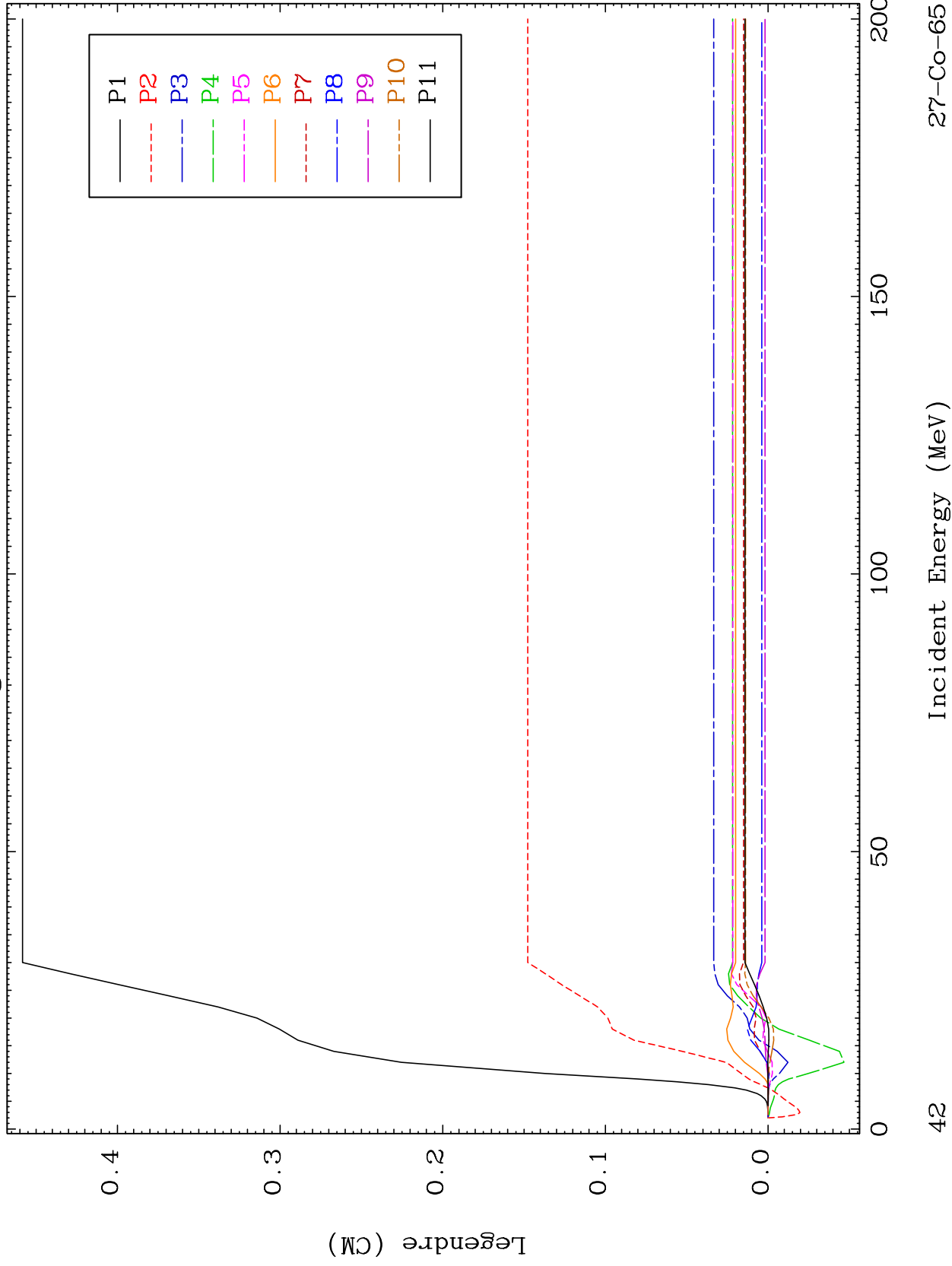
41

27-Co-65

MAT 2743

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

27-Co-65



27-Co-65

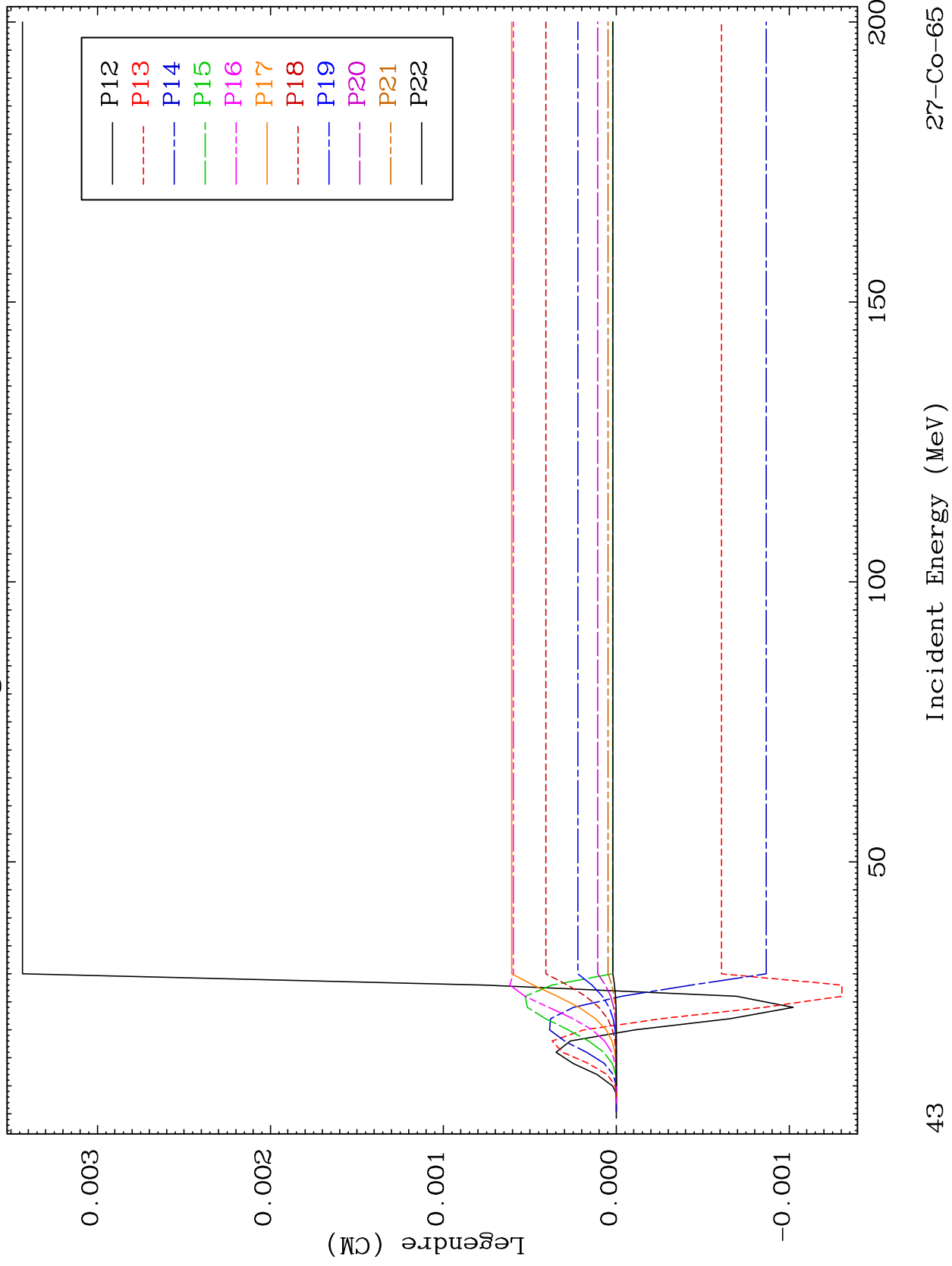
Incident Energy (MeV)

42

MAT 2743

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

27-Co-65



43

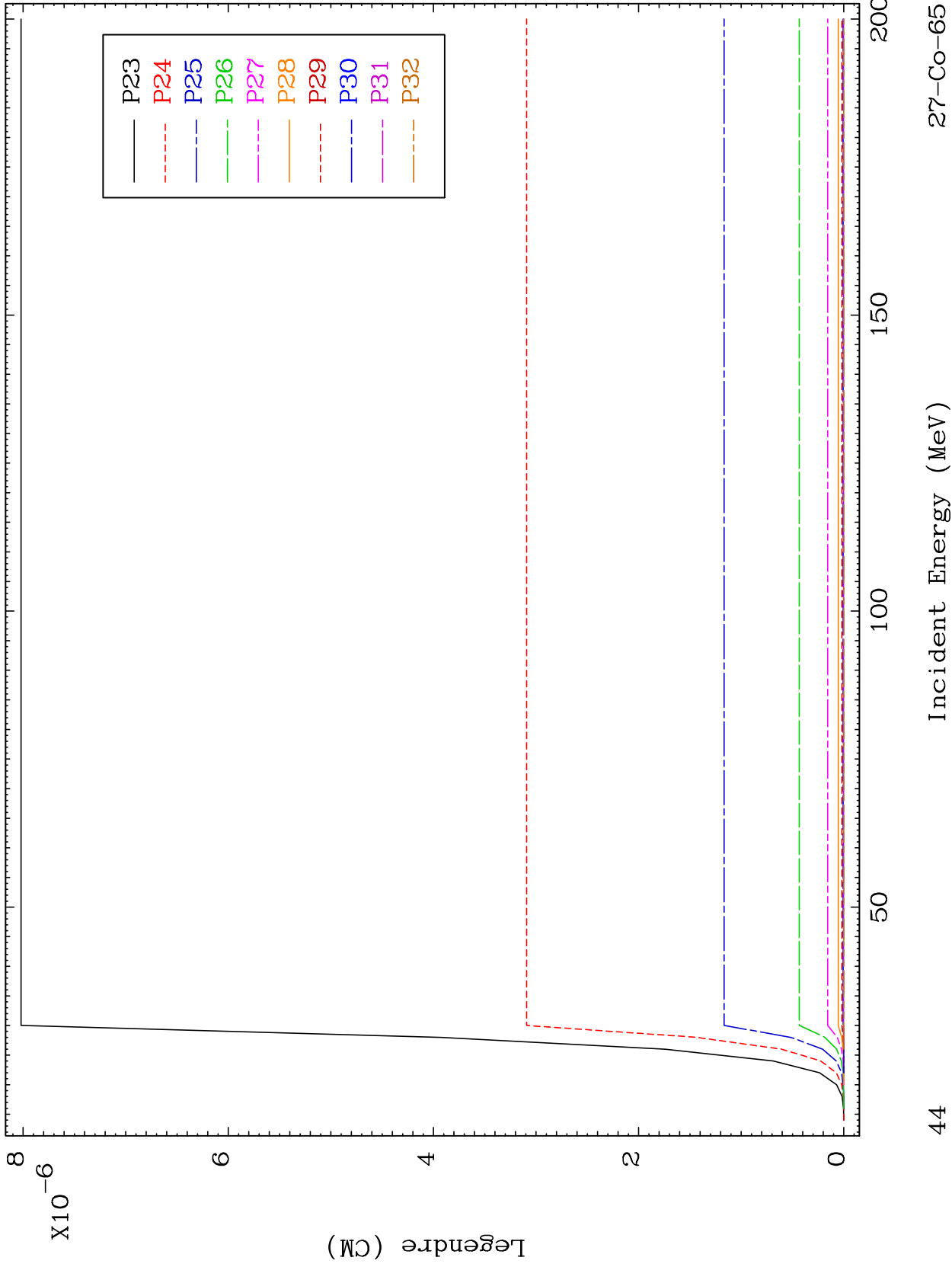
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



44

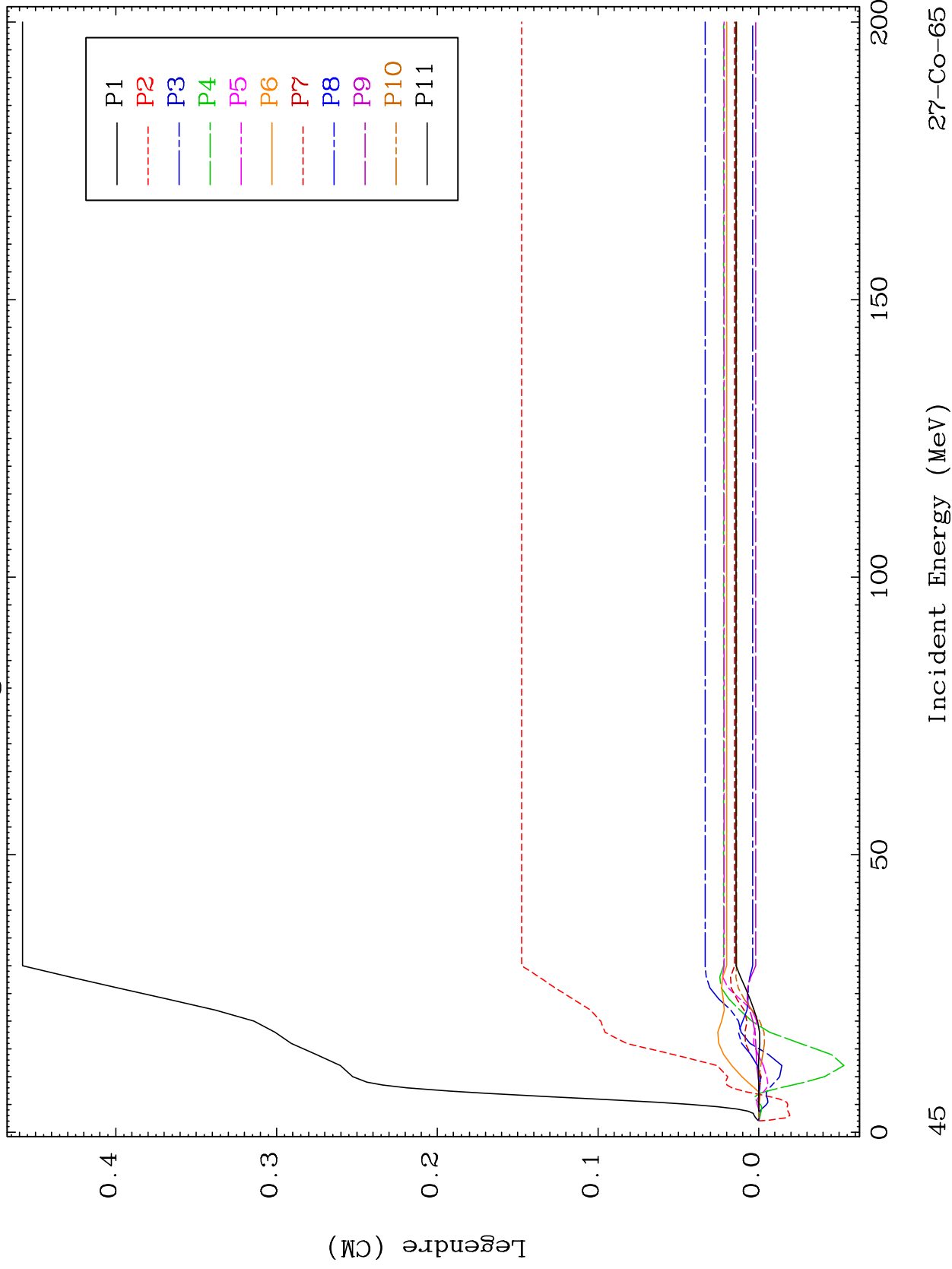
Incident Energy (MeV)

27-Co-65

MAT 2743

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

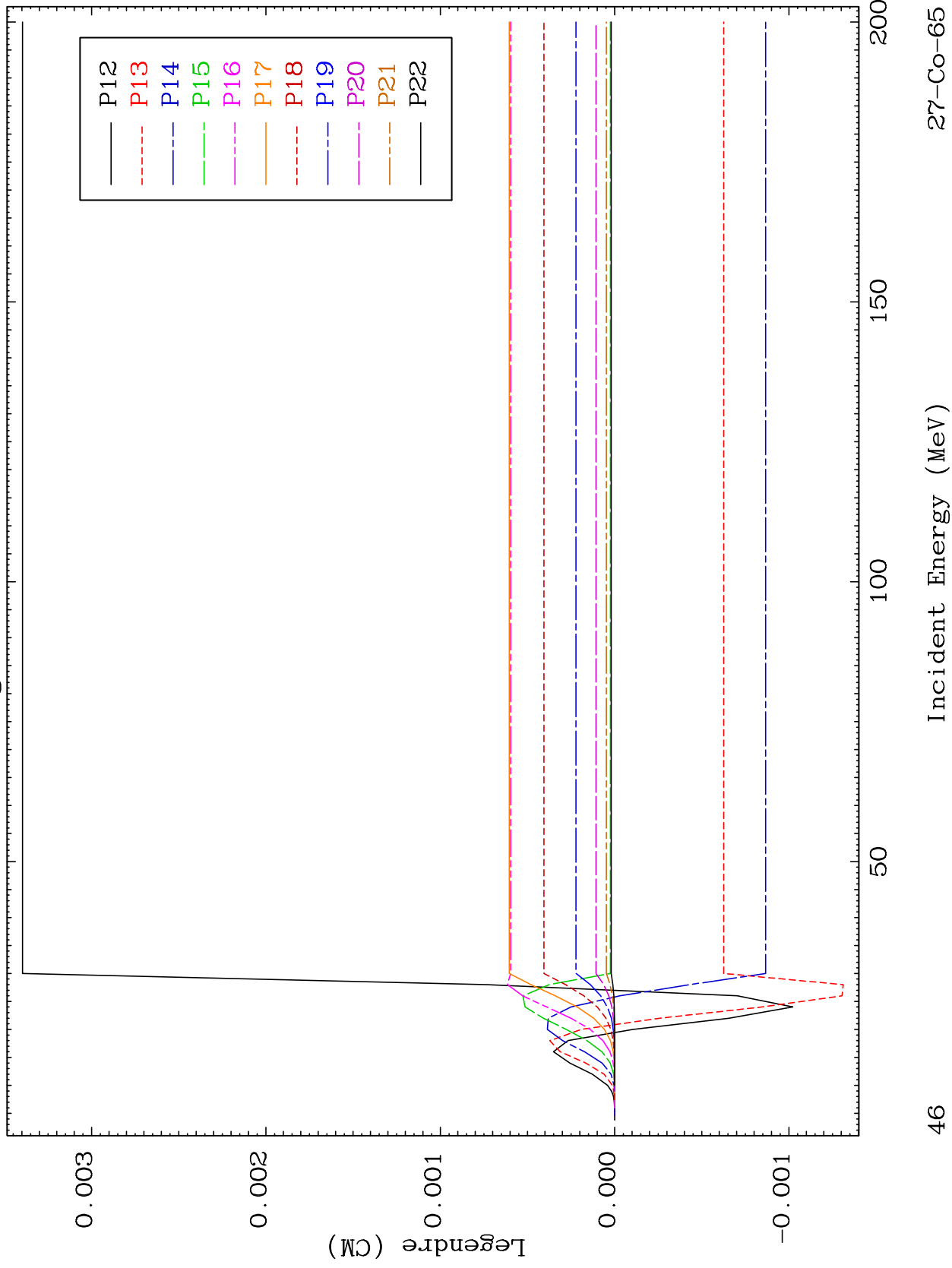
27-Co-65



MAT 2743

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

27-Co-65



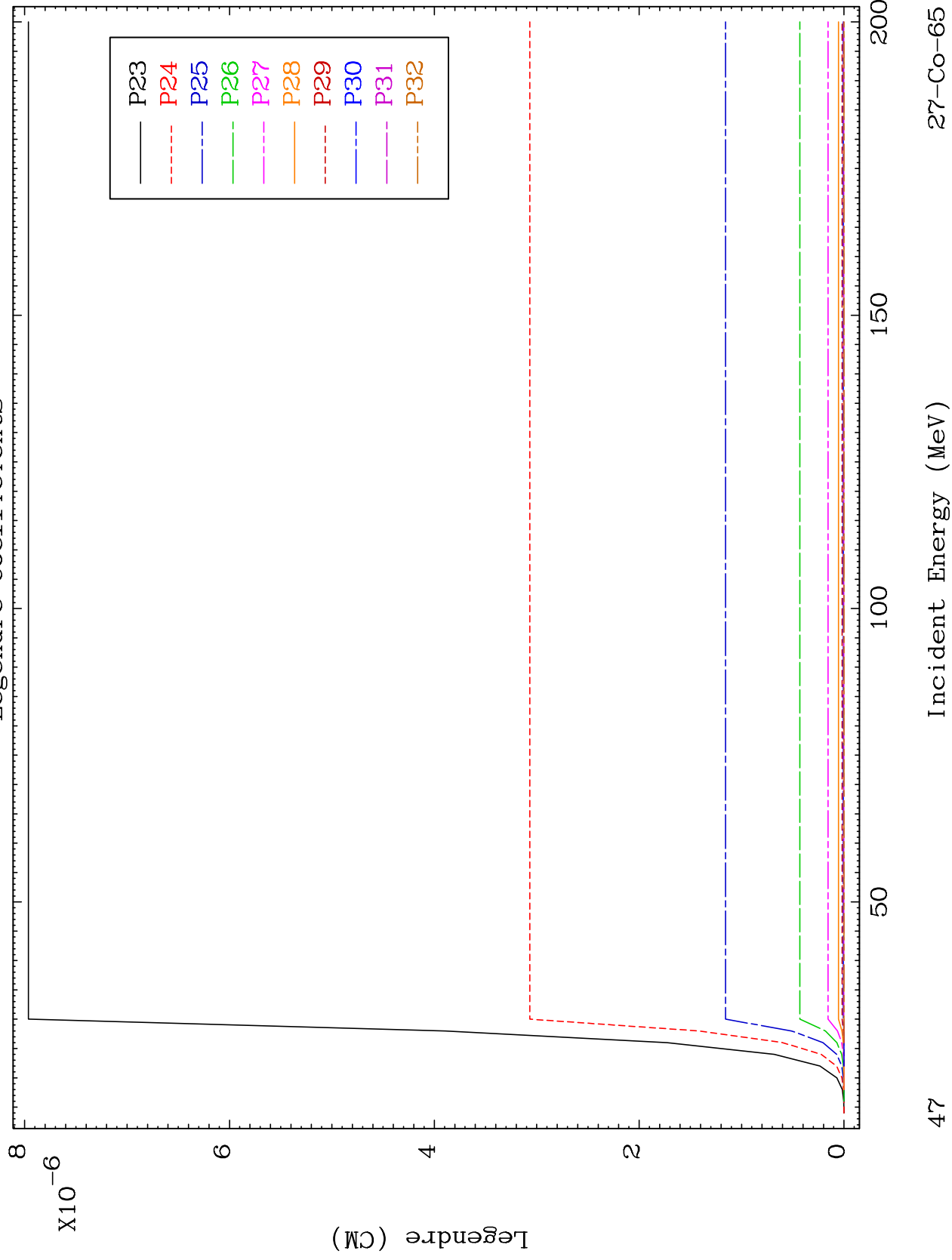
46

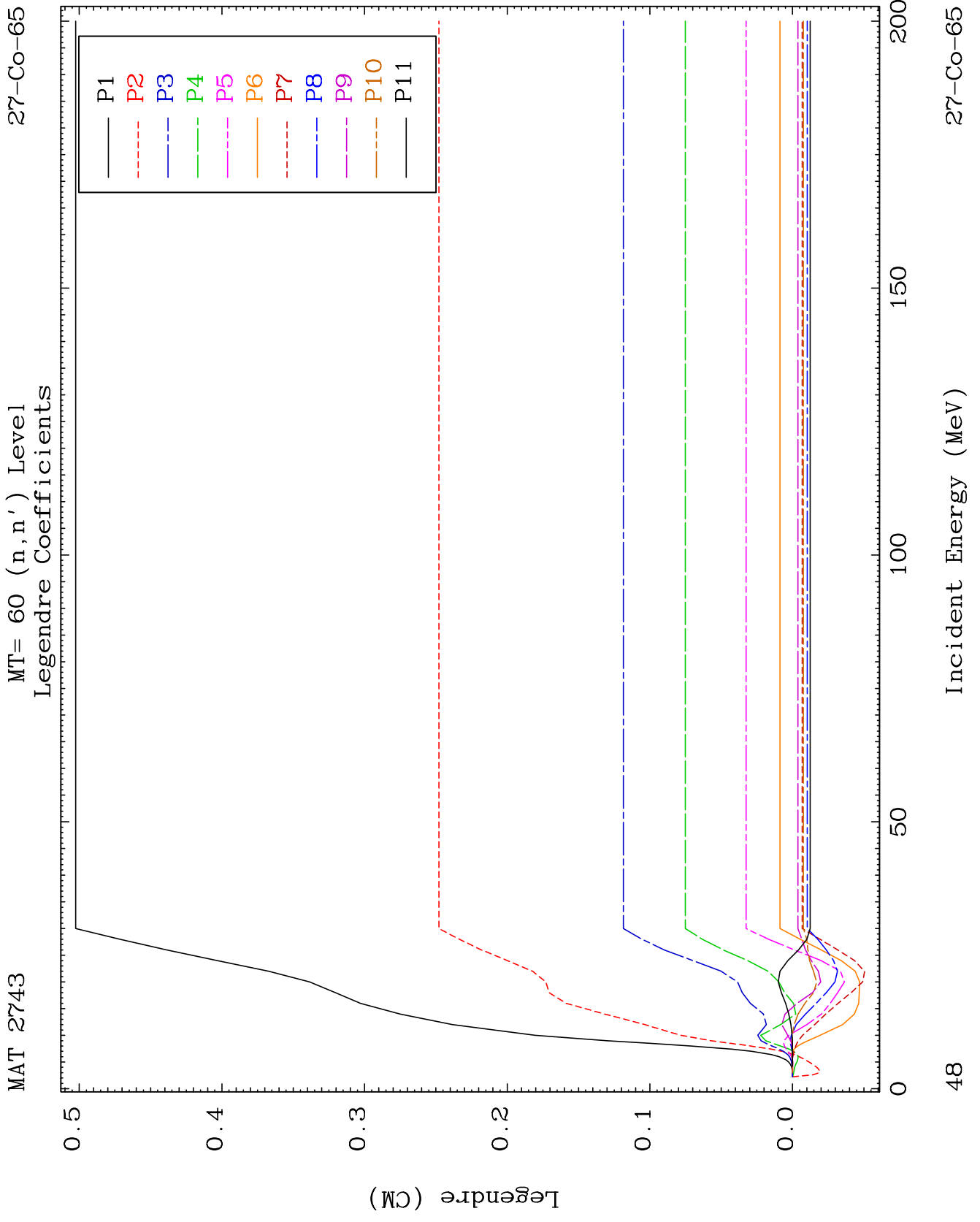
27-Co-65

MAT 2743

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

27-Co-65

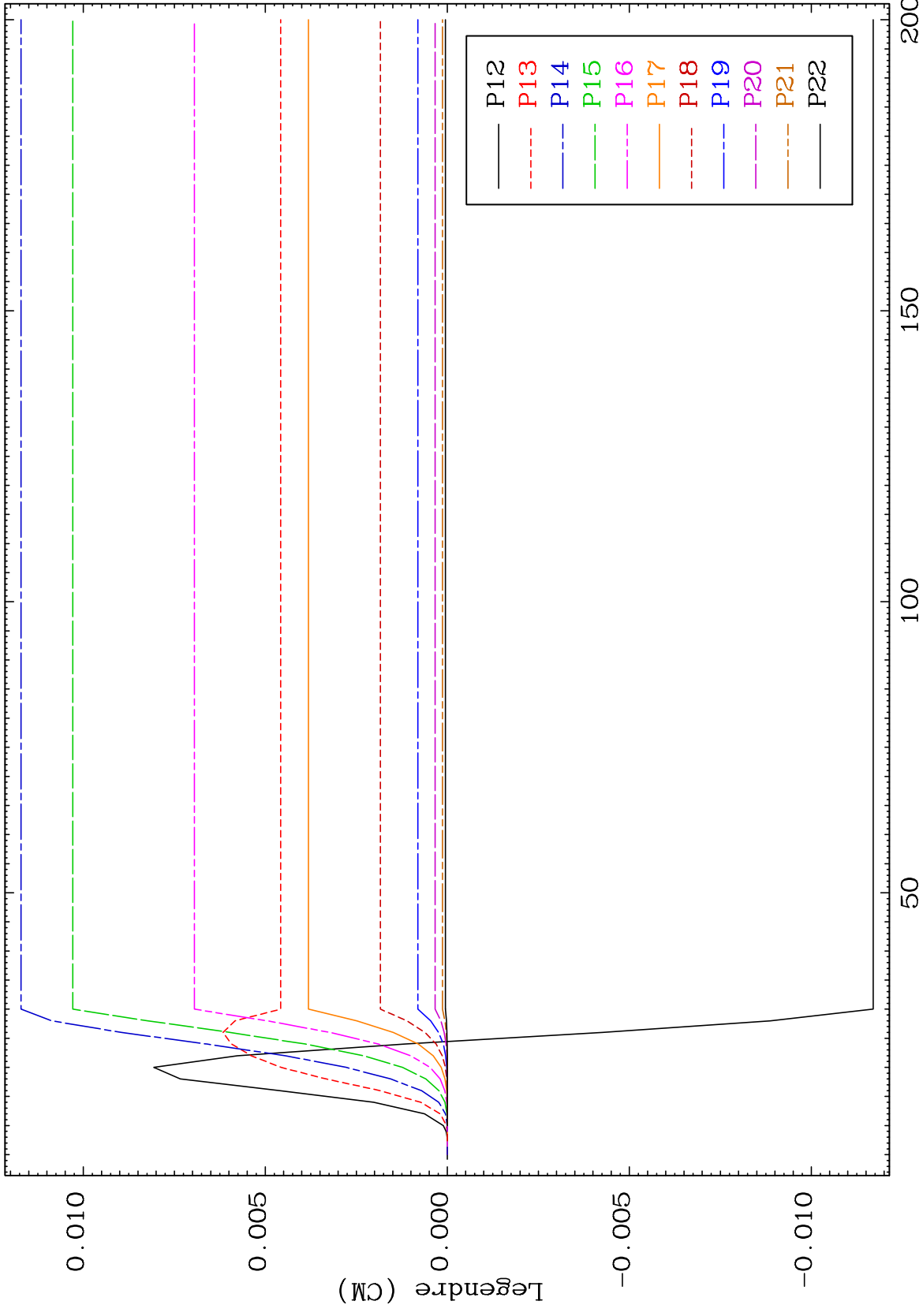




MAT 2743

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

27-Co-65



49

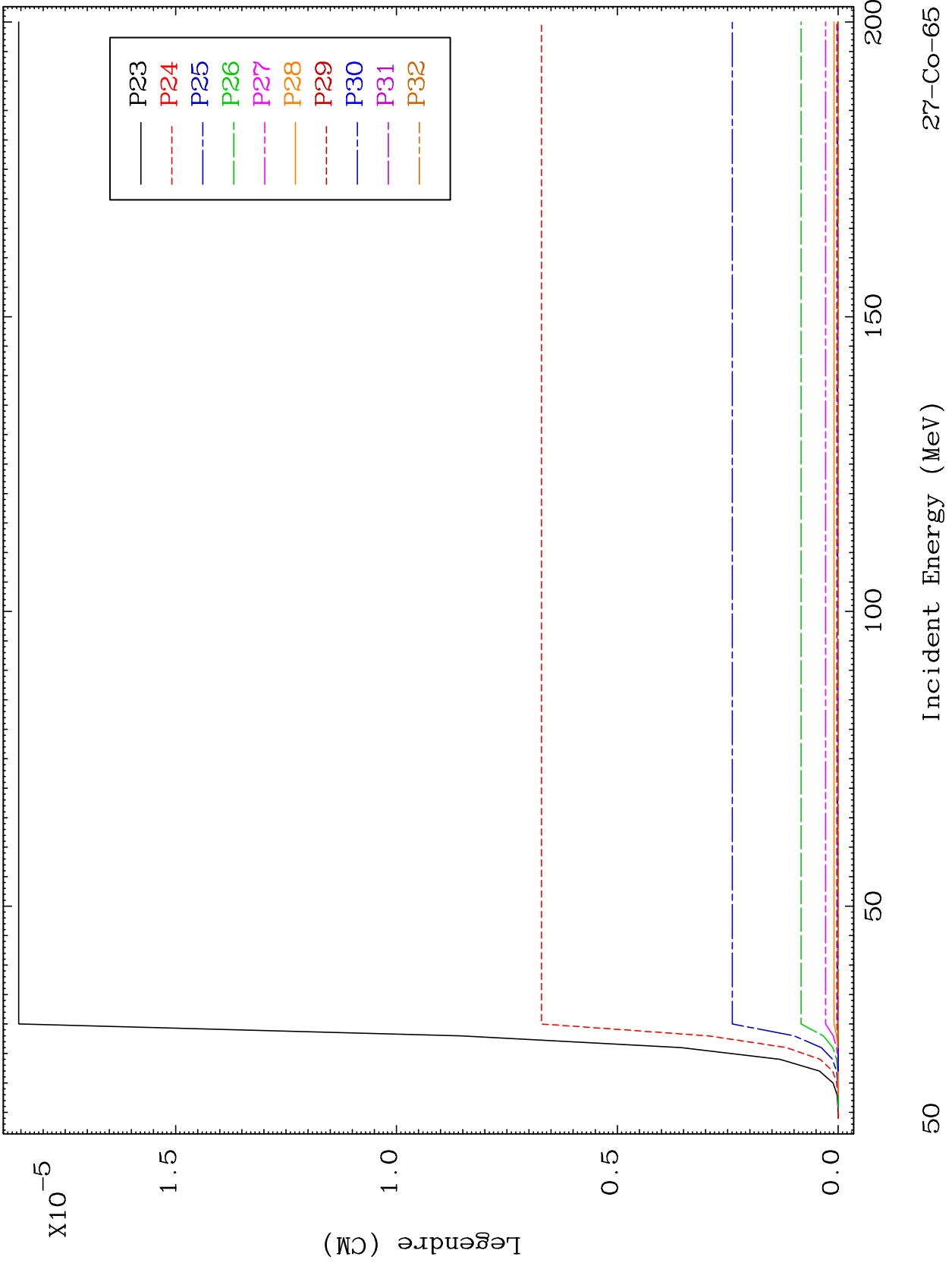
Incident Energy (MeV)

27-Co-65

MAT 2743

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

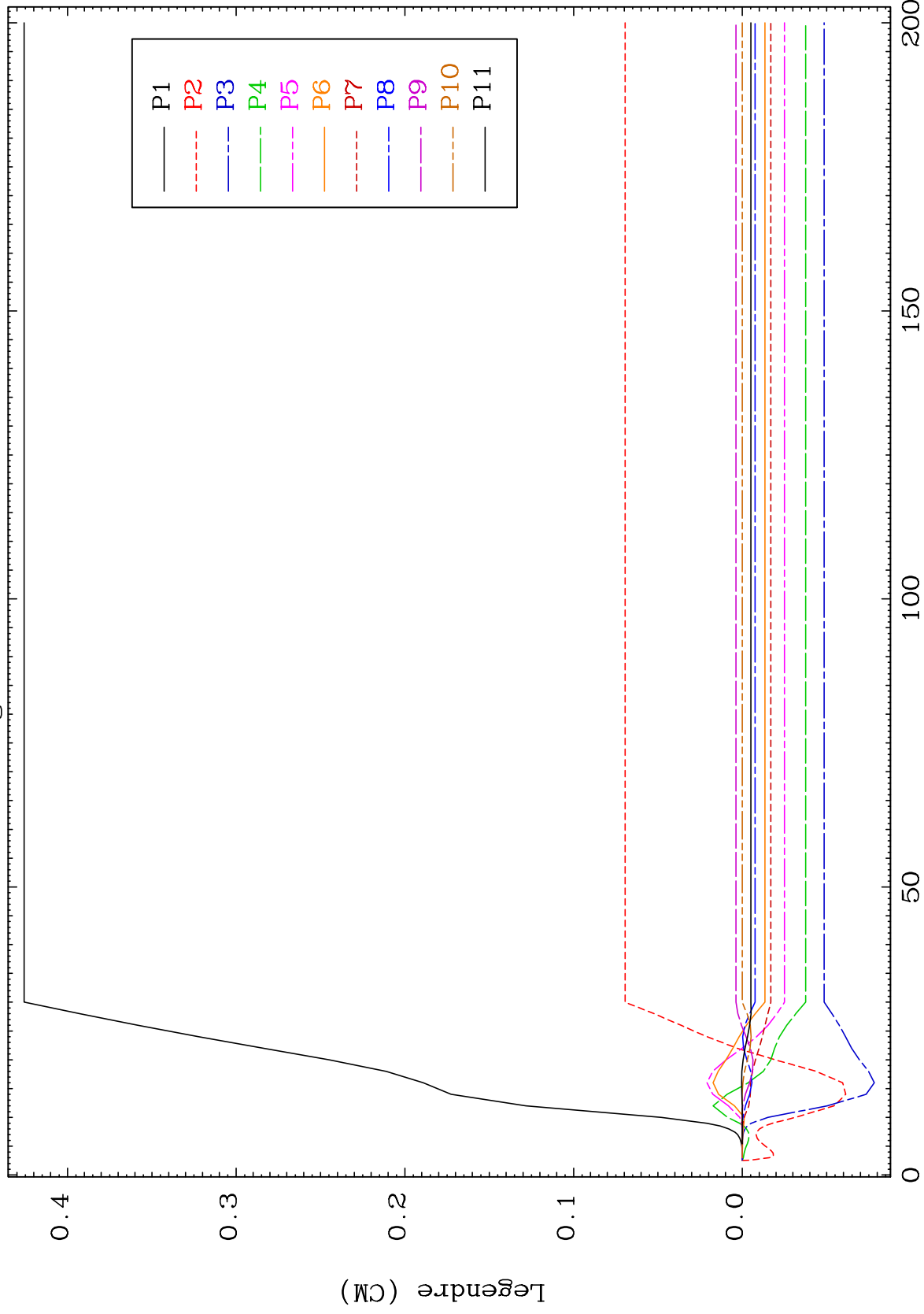
27-Co-65



MAT 2743

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

27-Co-65



51

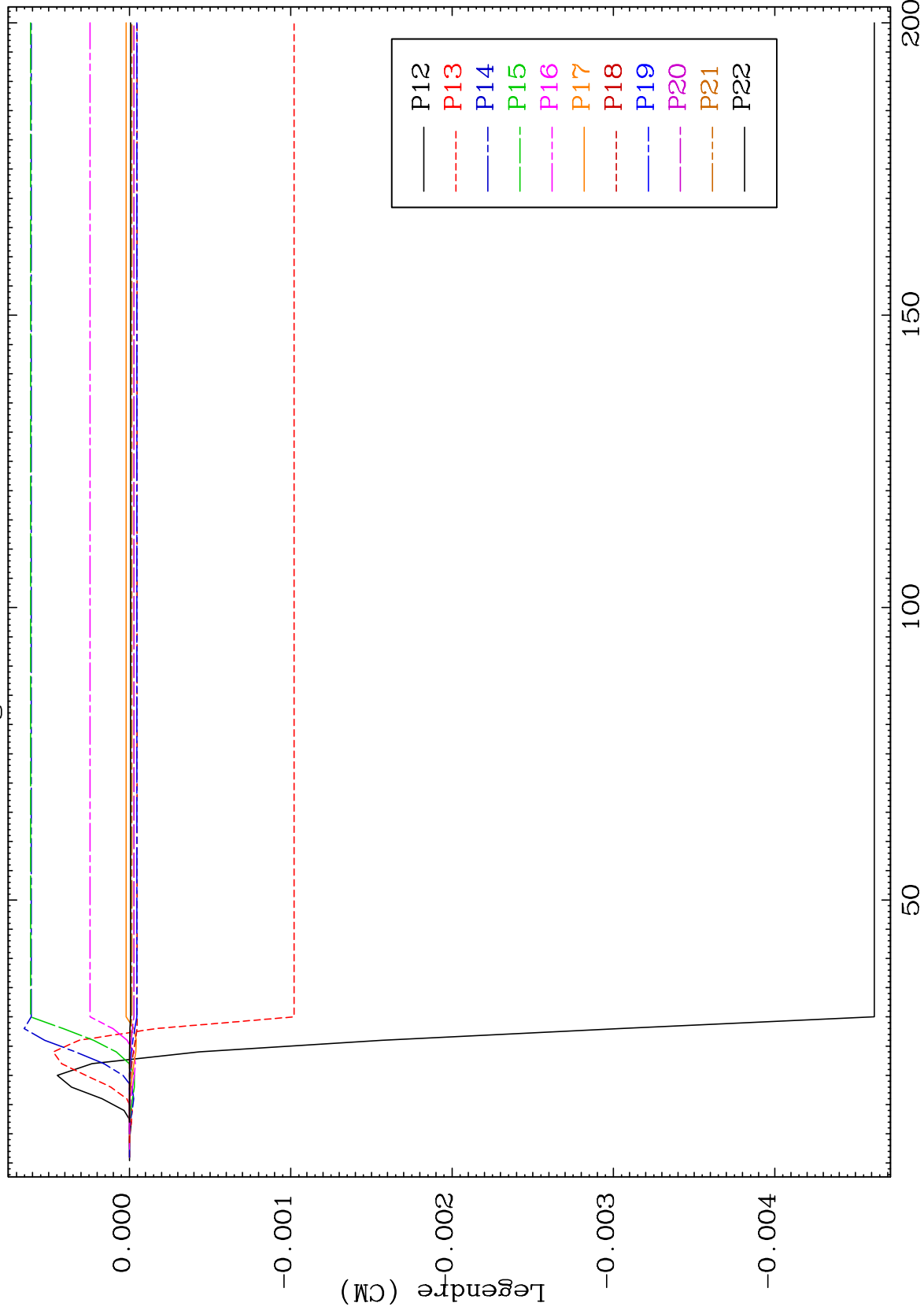
Incident Energy (MeV)

27-Co-65

MAT 2743

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

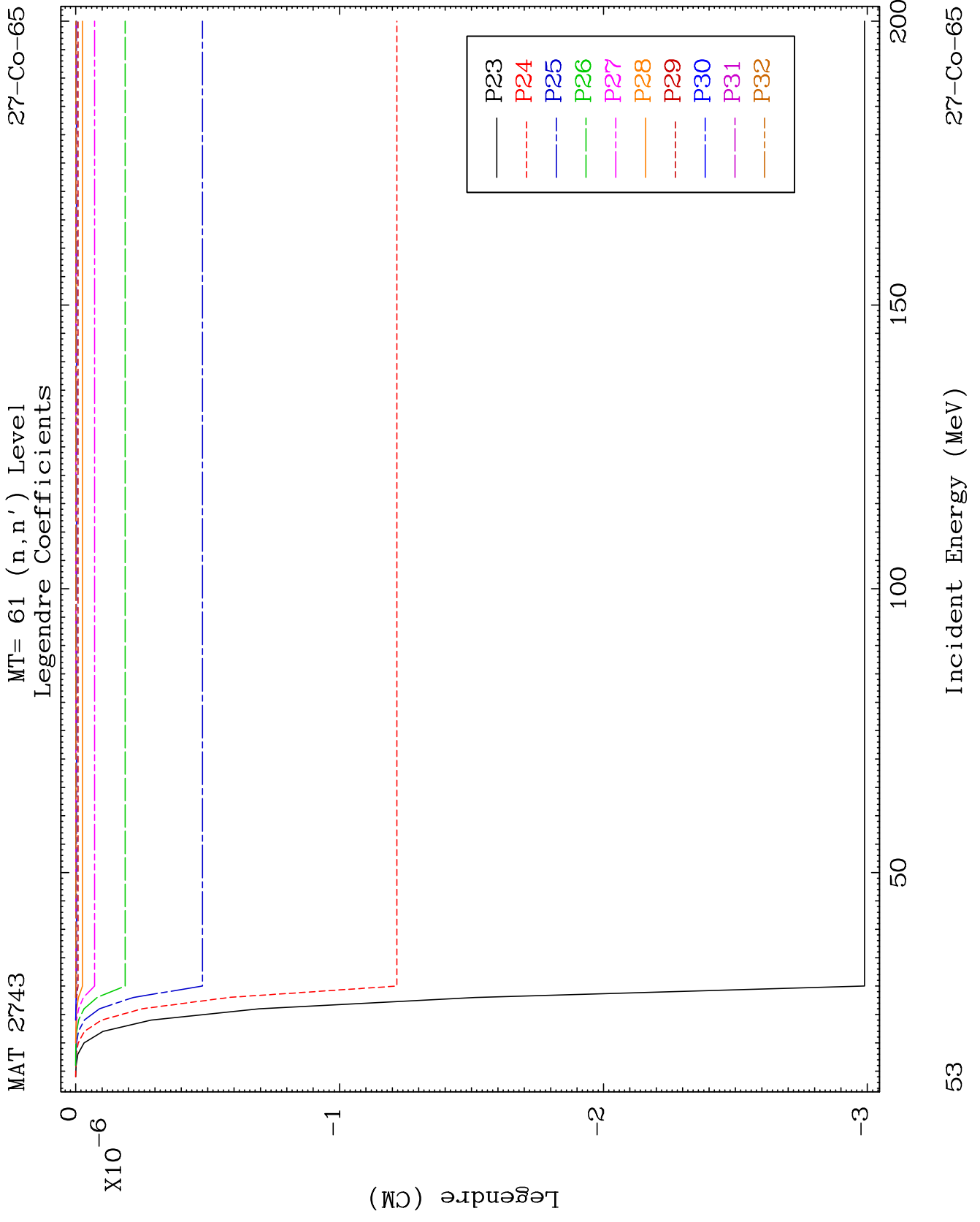
27-Co-65



52

Incident Energy (MeV)

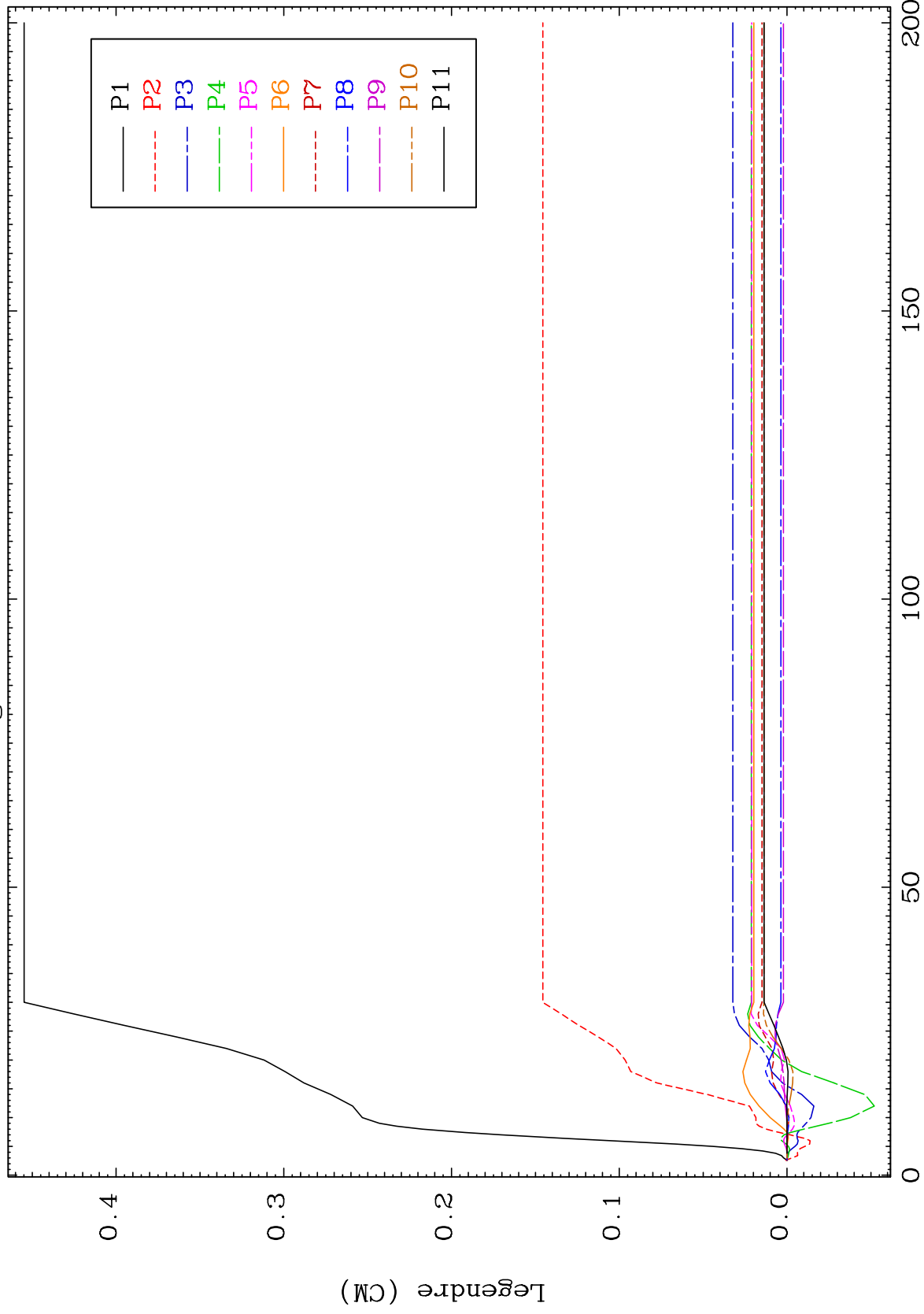
27-Co-65



MAT 2743

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

27-Co-65



54

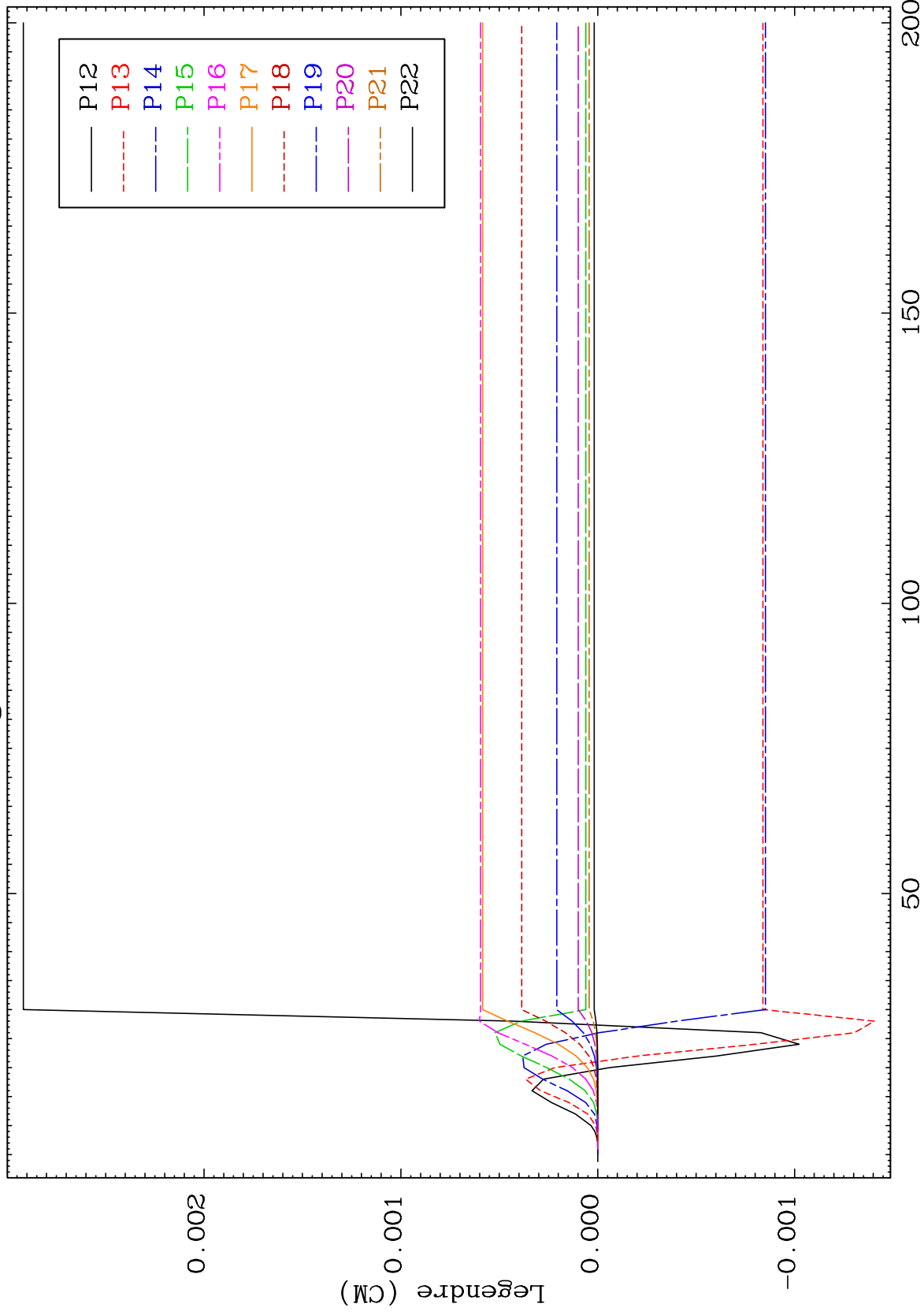
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



55

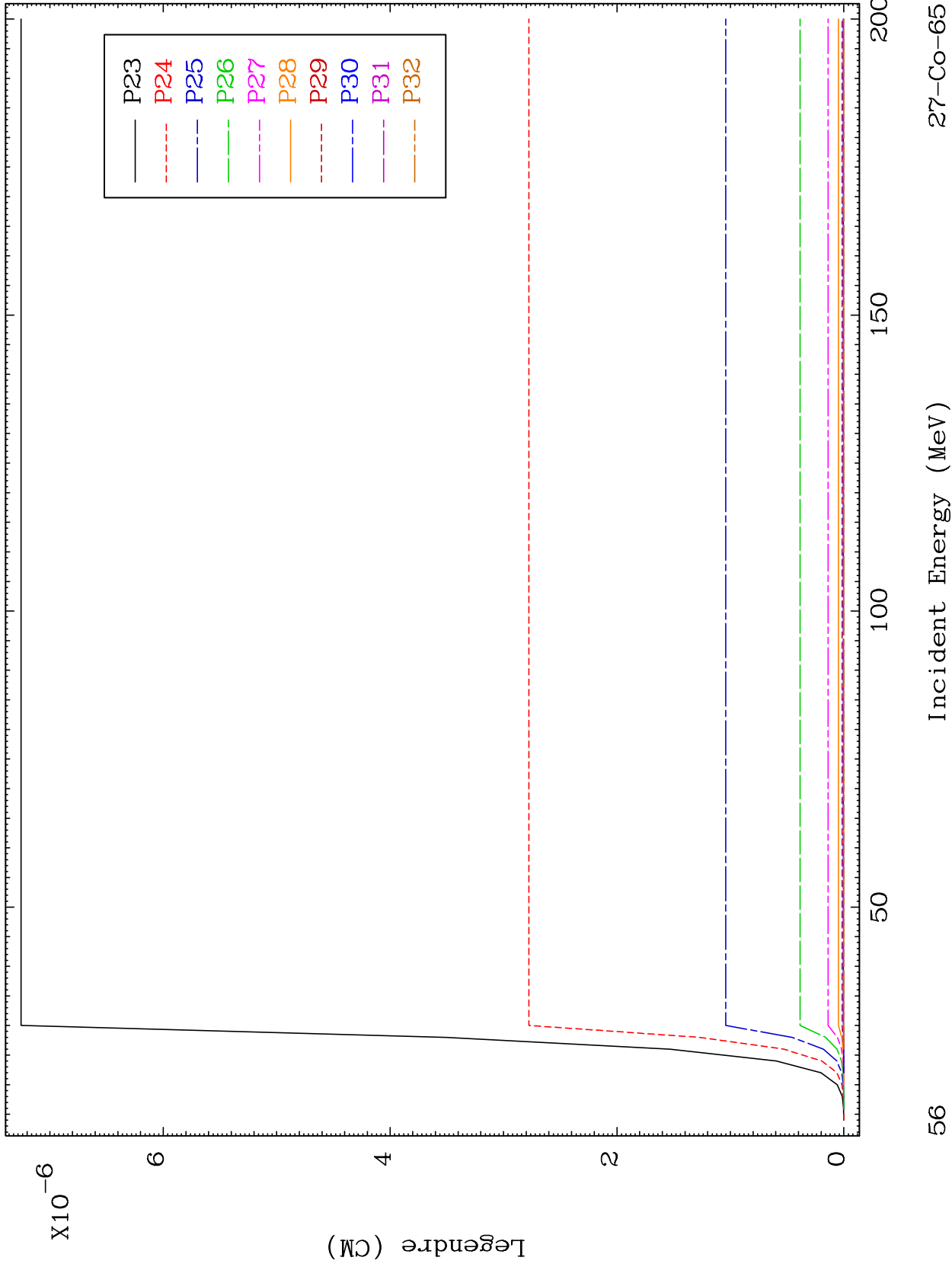
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



56

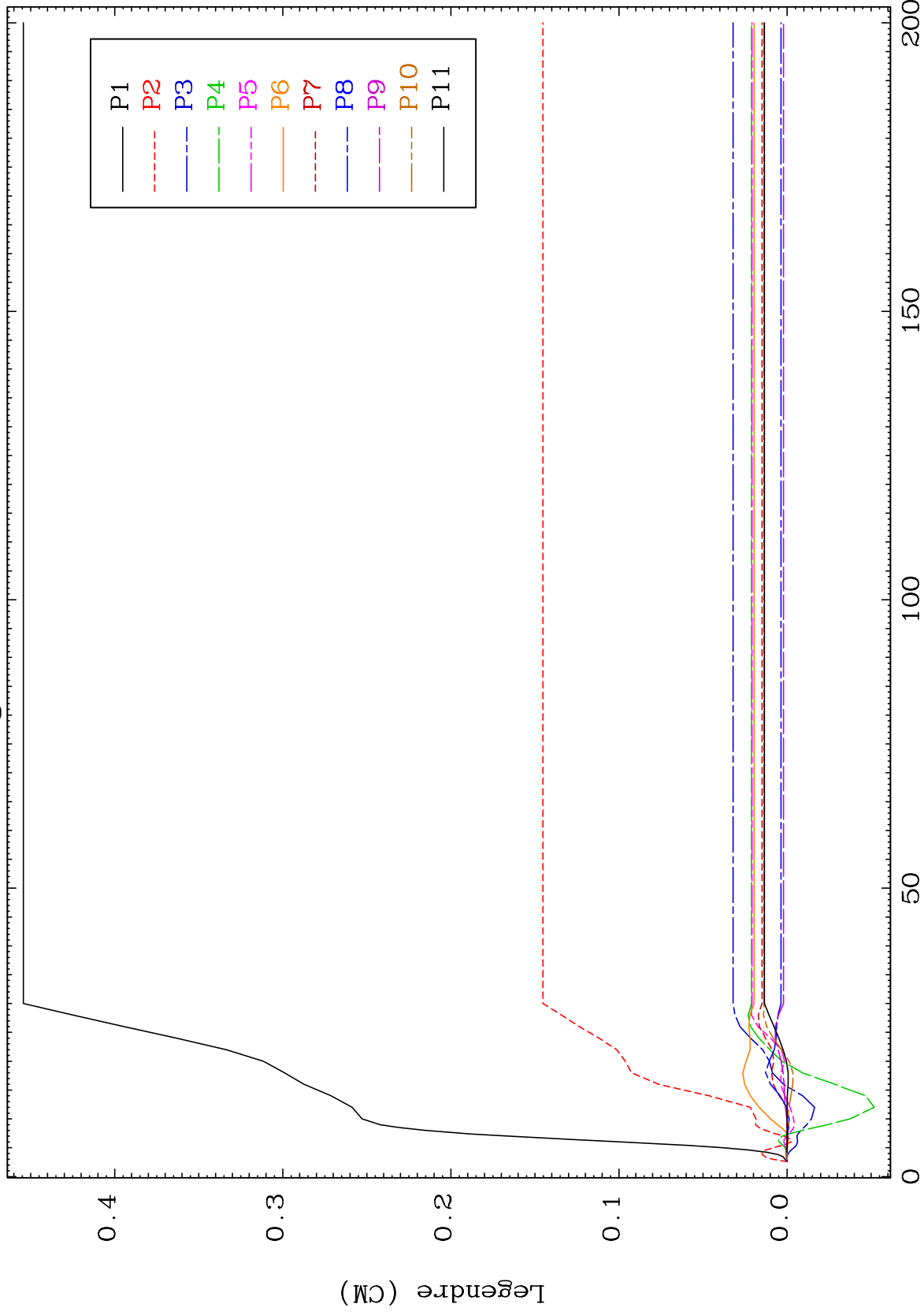
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



57

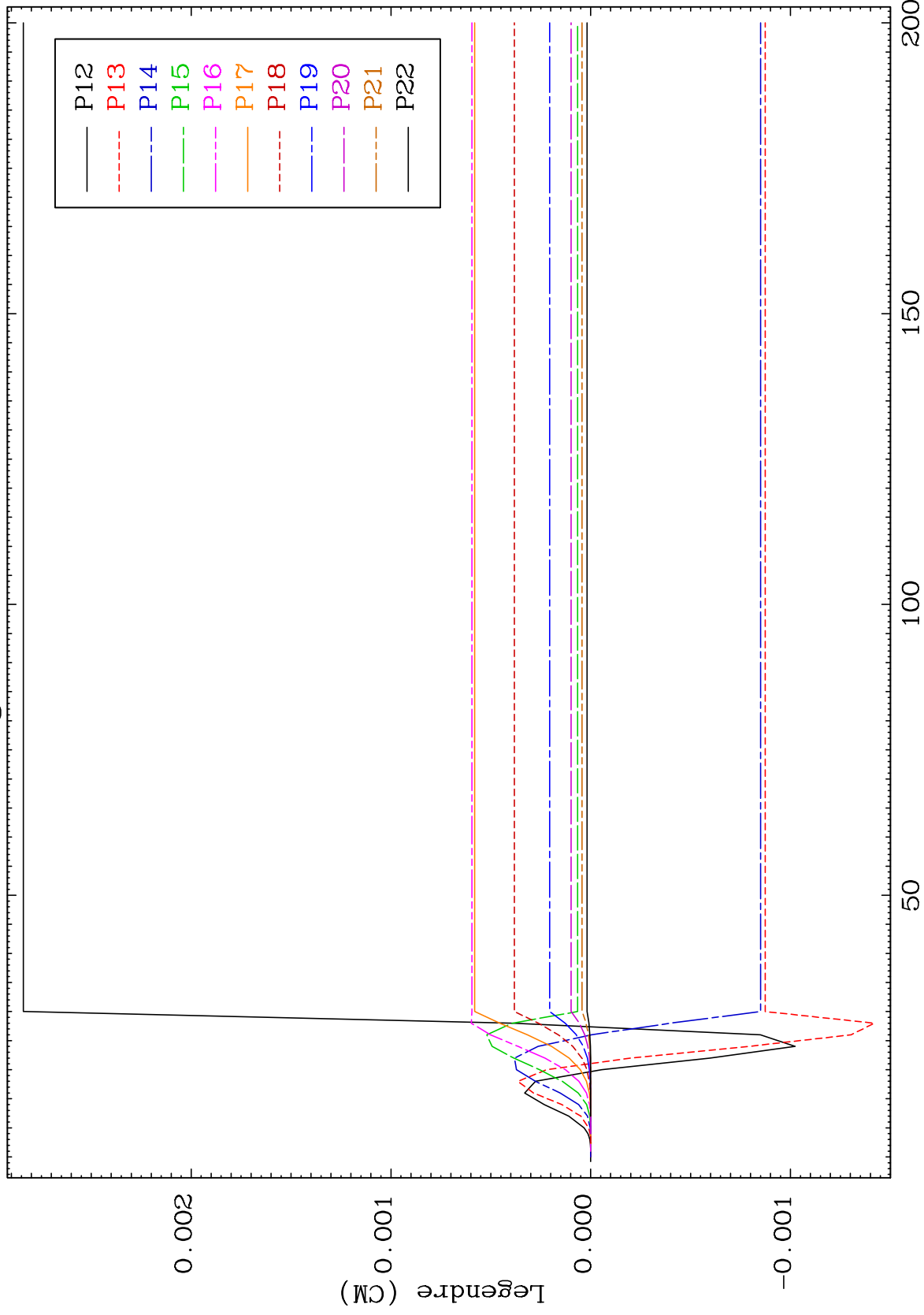
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



58

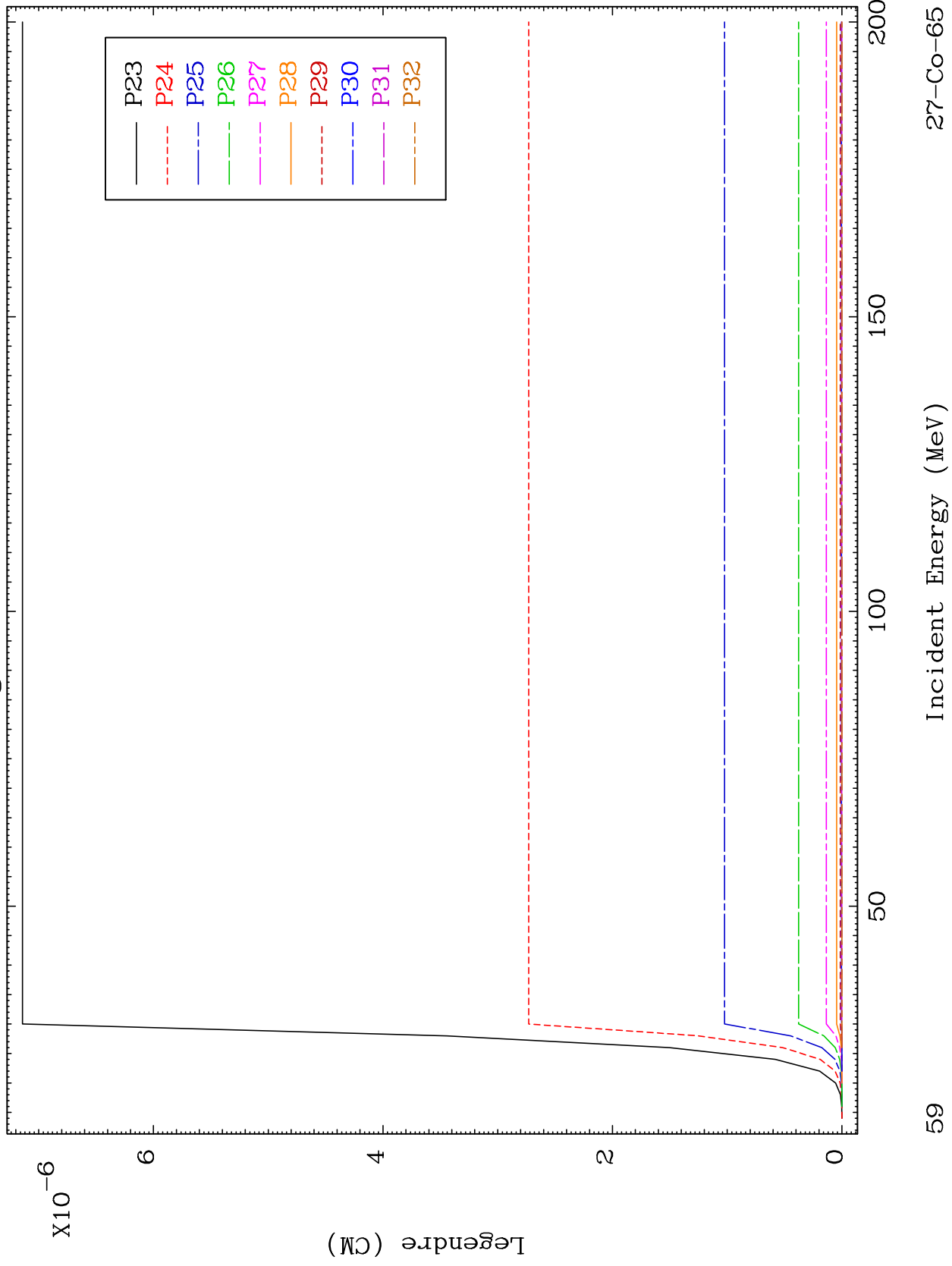
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



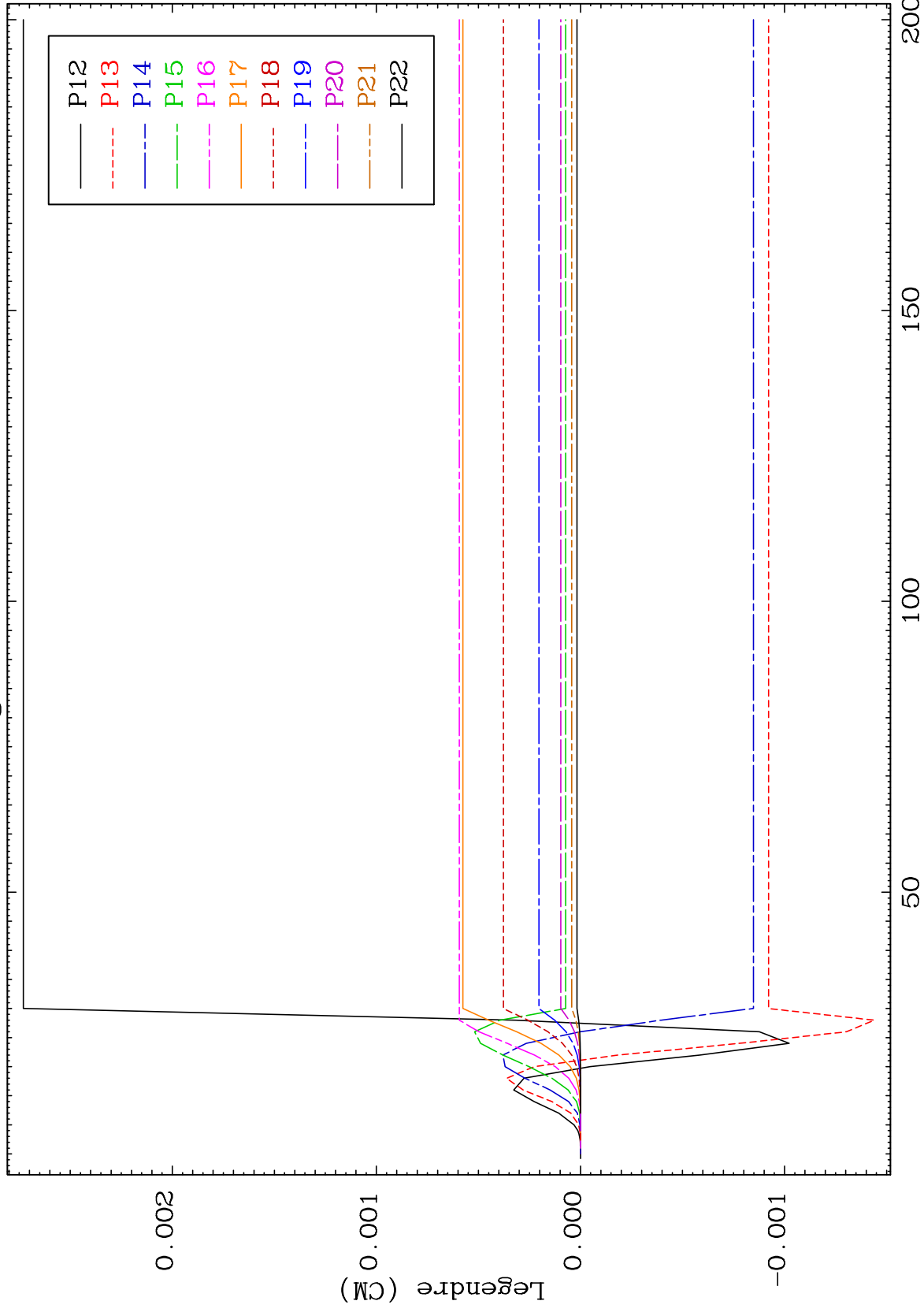
59

27-Co-65

MAT 2743

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

27-Co-65



61

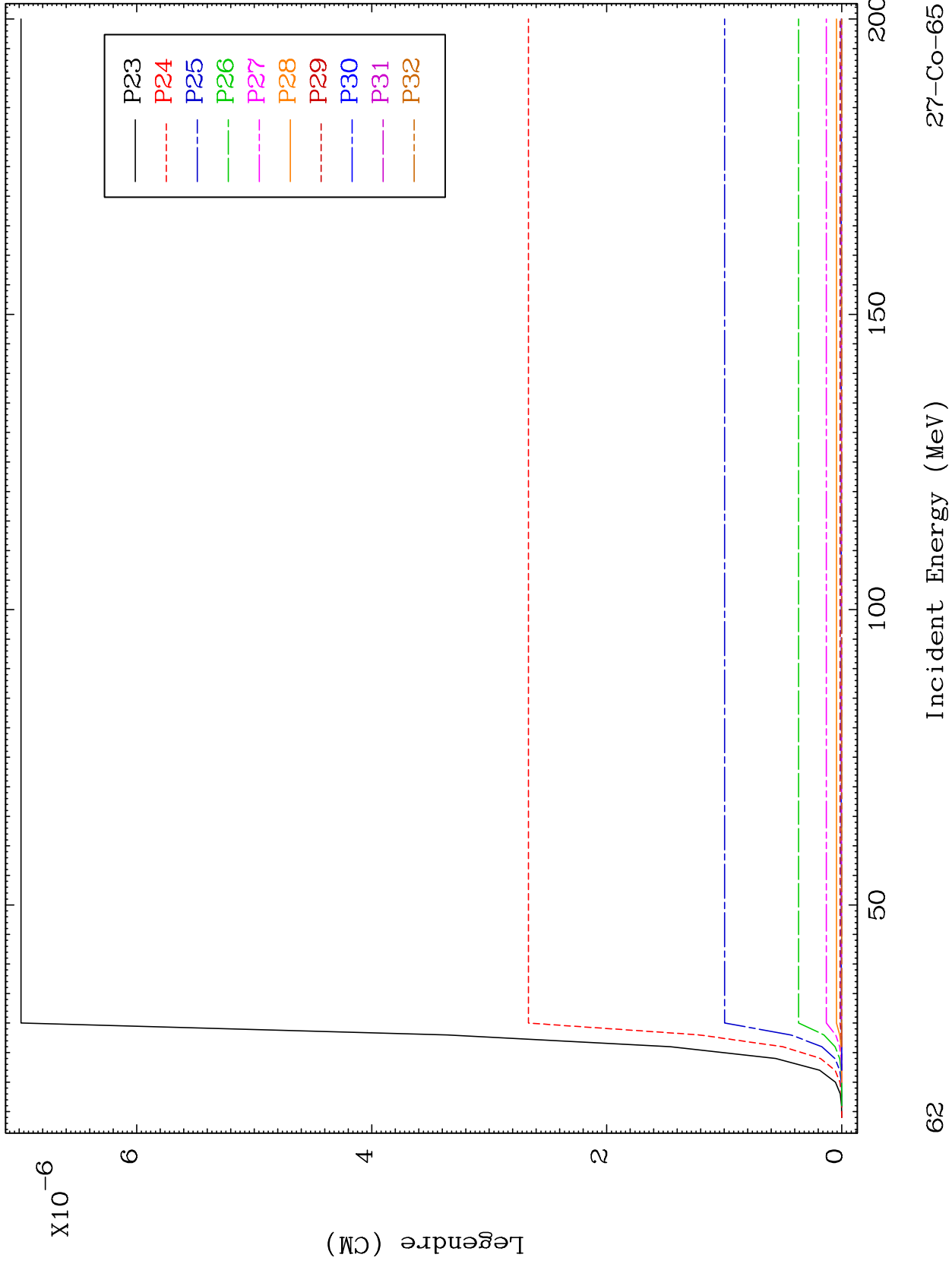
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



62

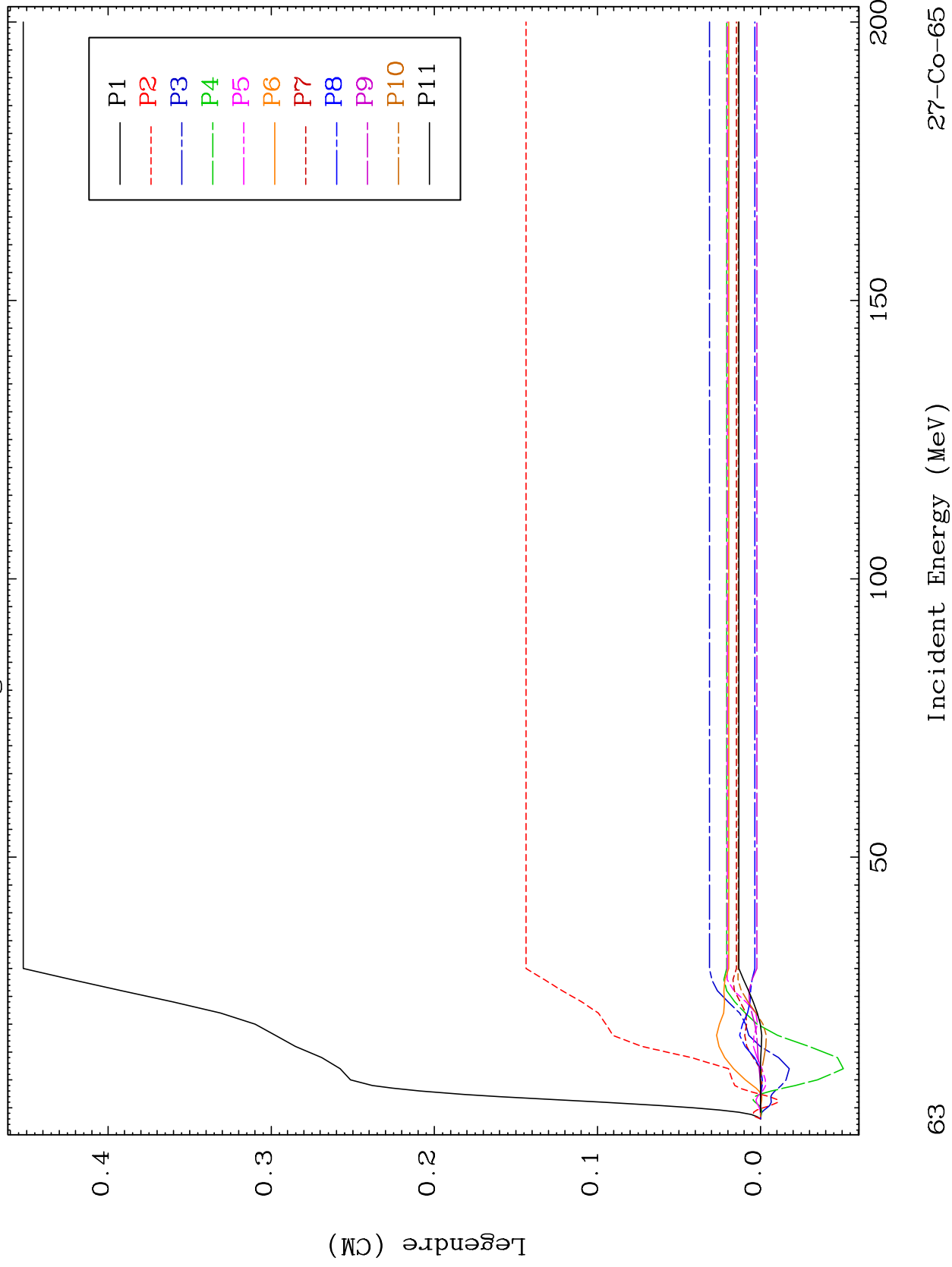
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



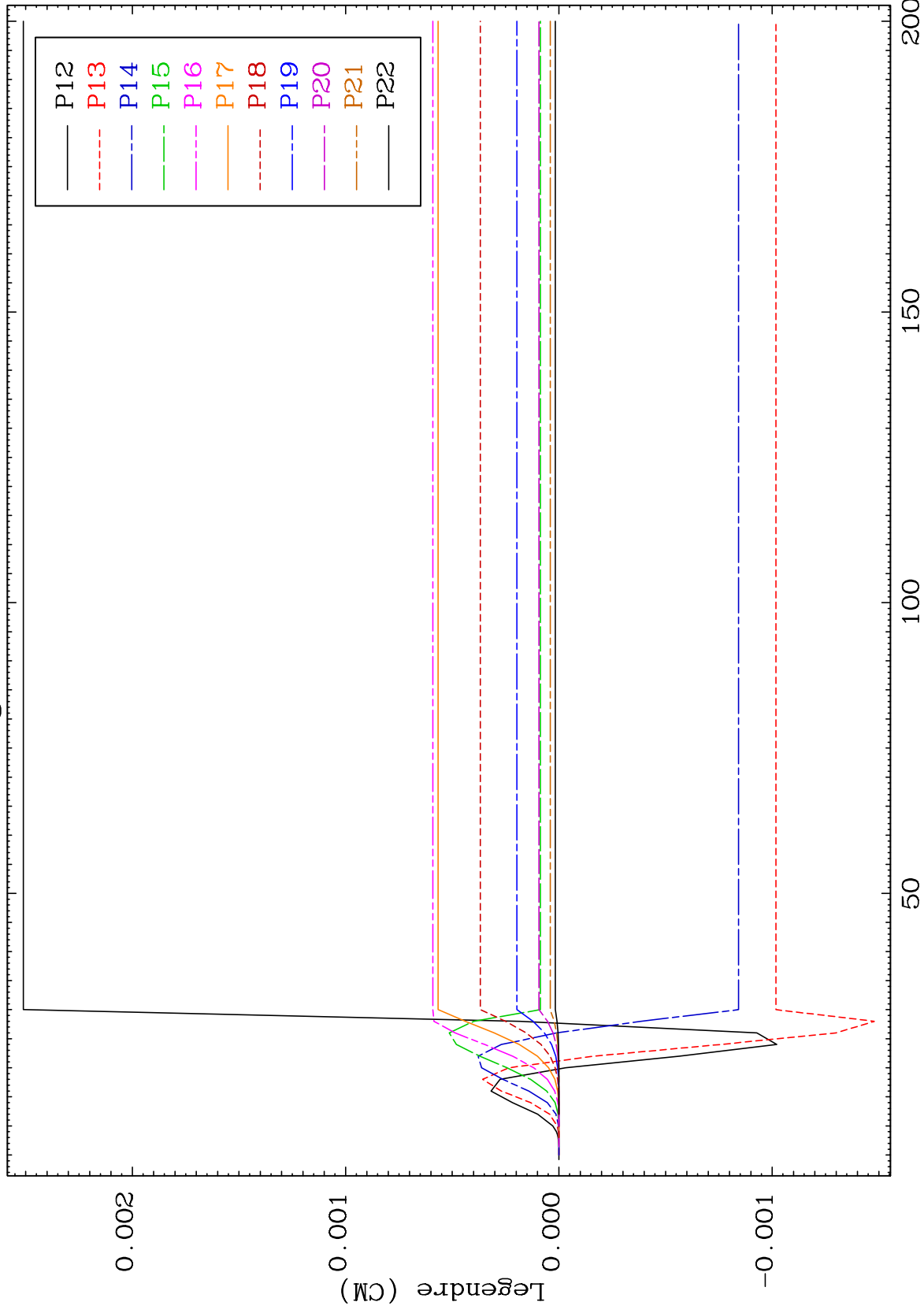
63

27-Co-65

MAT 2743

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

27-Co-65



64

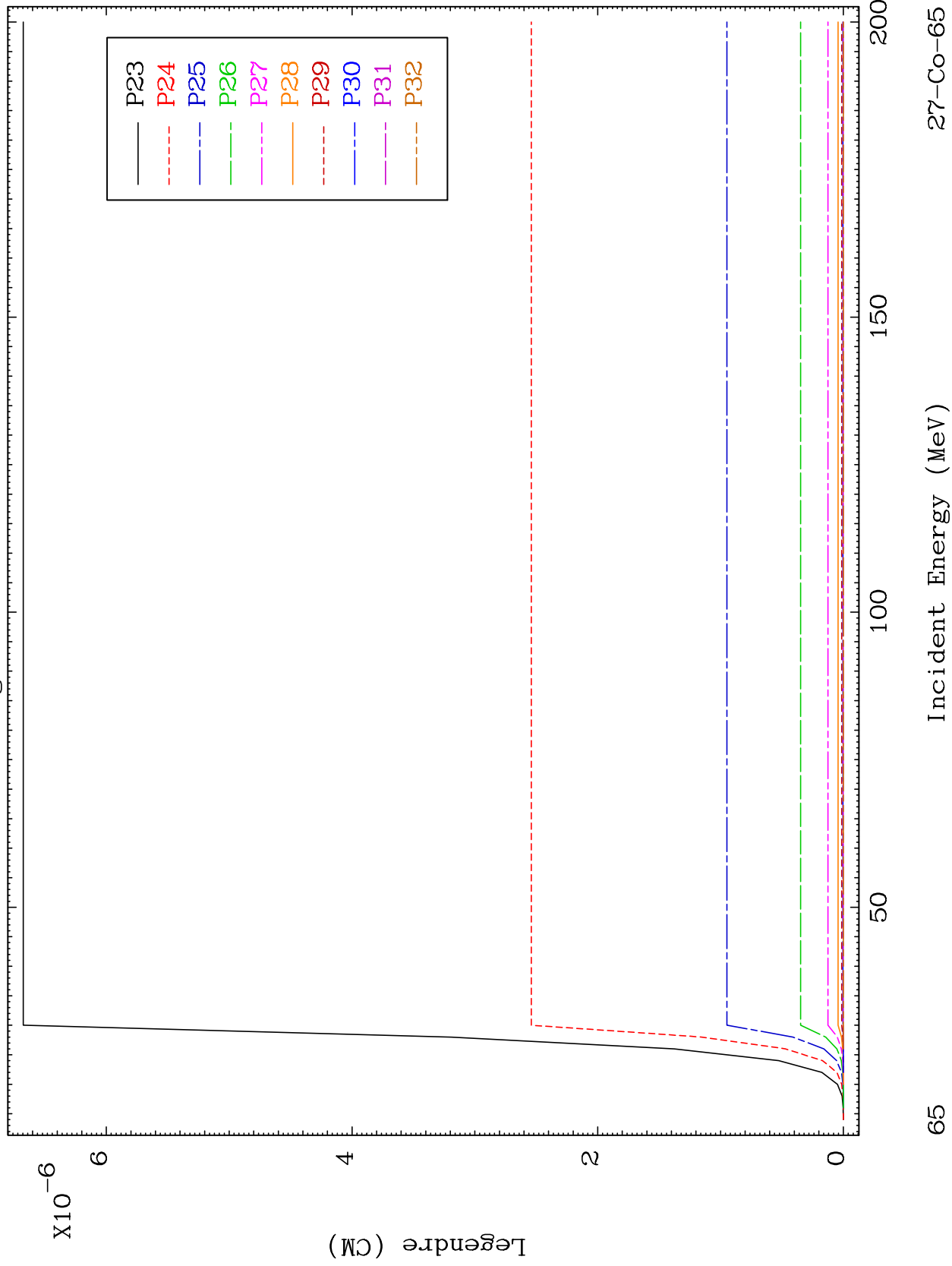
Incident Energy (MeV)

27-Co-65

MAT 2743

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

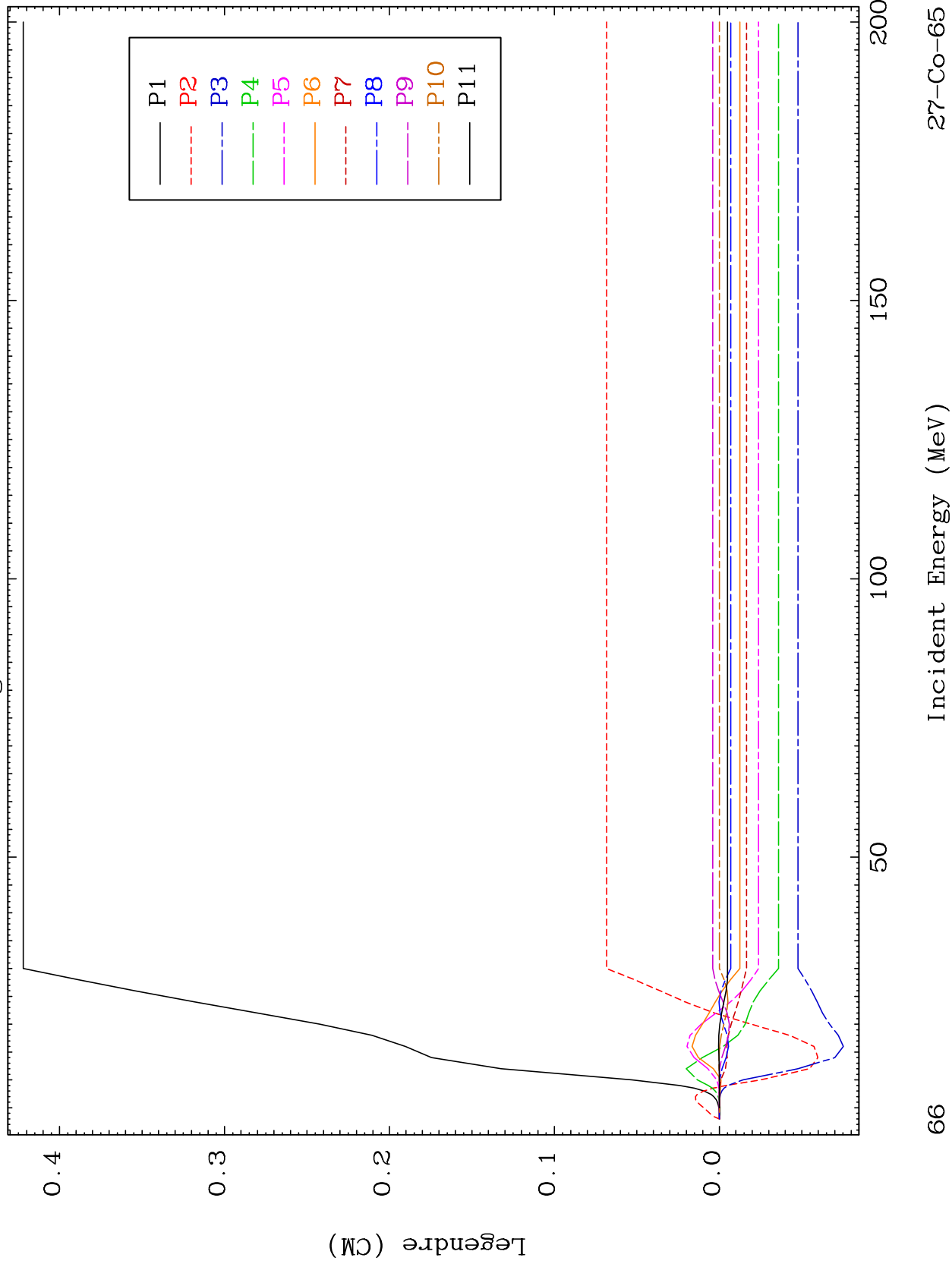
27-Co-65



MAT 2743

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

27-Co-65



66

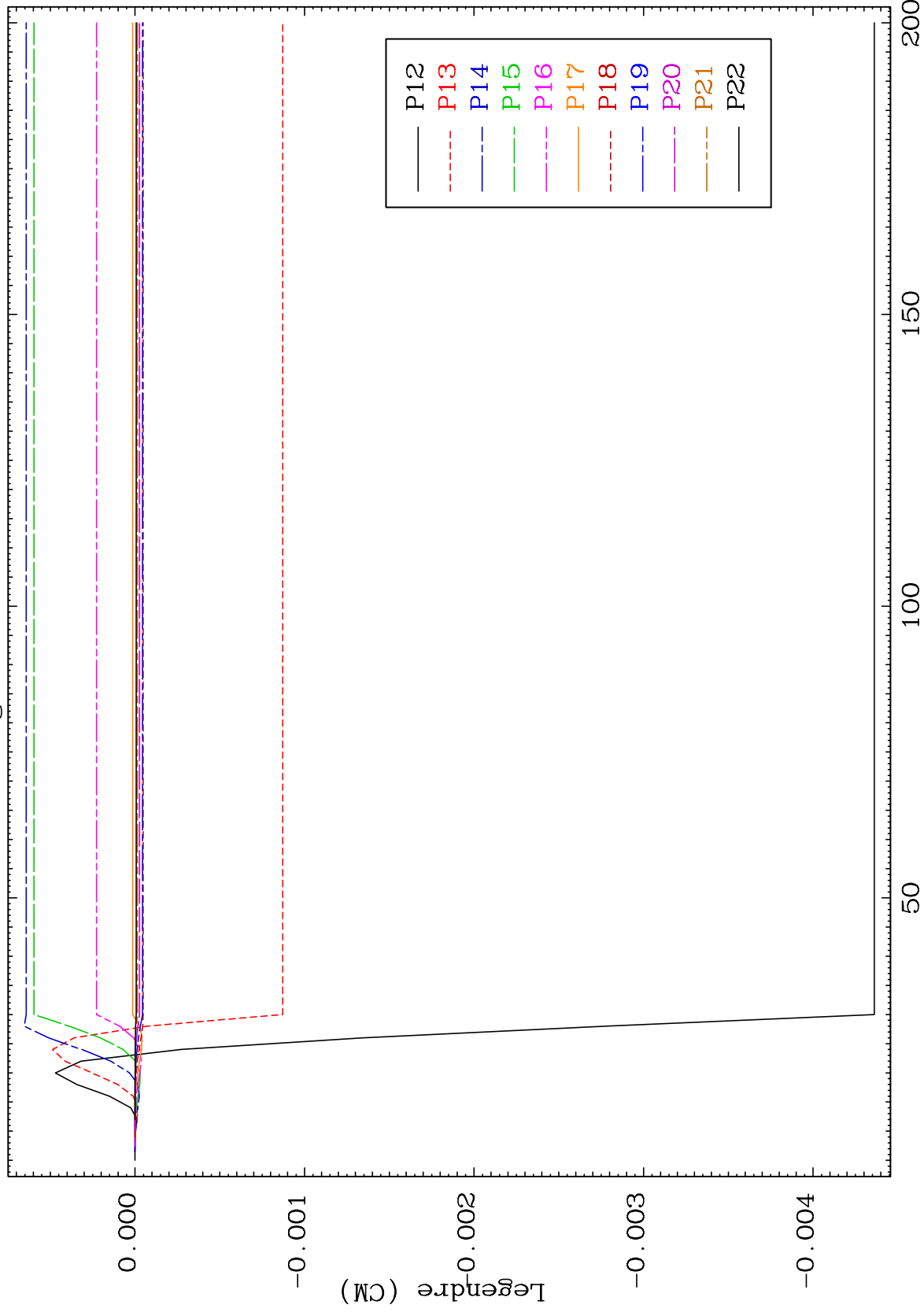
Incident Energy (MeV)

27-Co-65

MAT 2743

27-Co-65

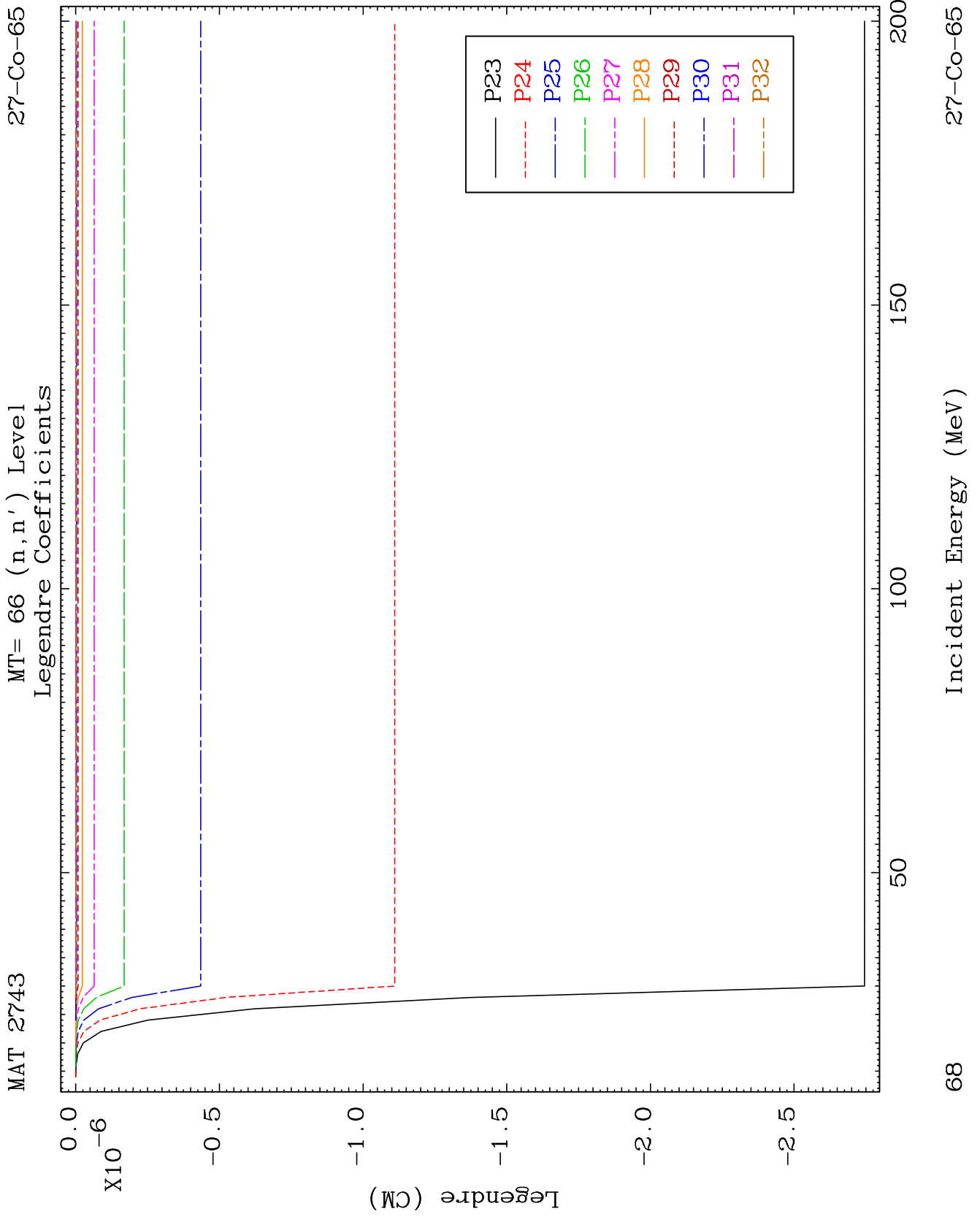
MT= 66 (n,n') Level
Legendre Coefficients



67

Incident Energy (MeV)

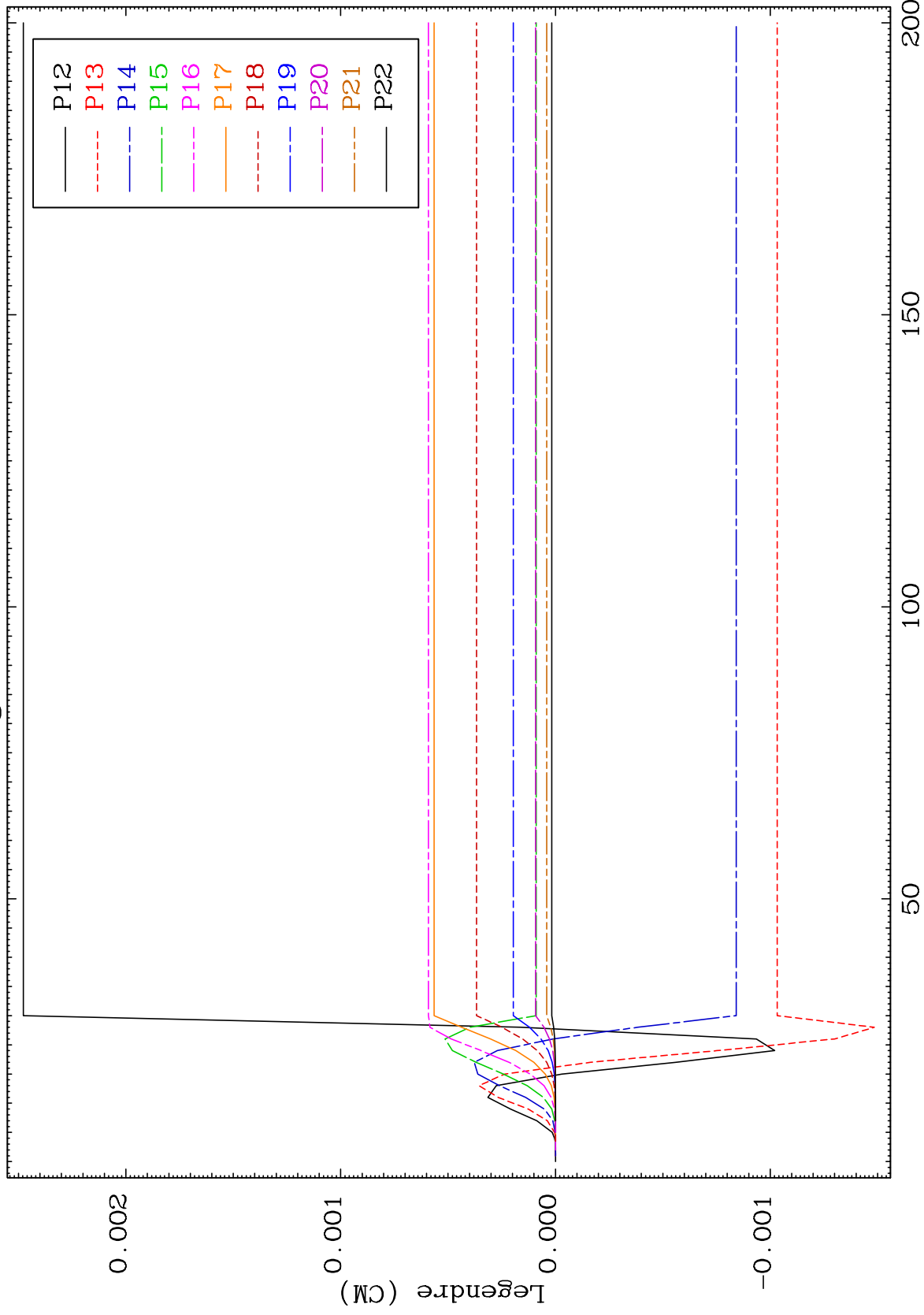
27-Co-65



MAT 2743

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

27-Co-65



70

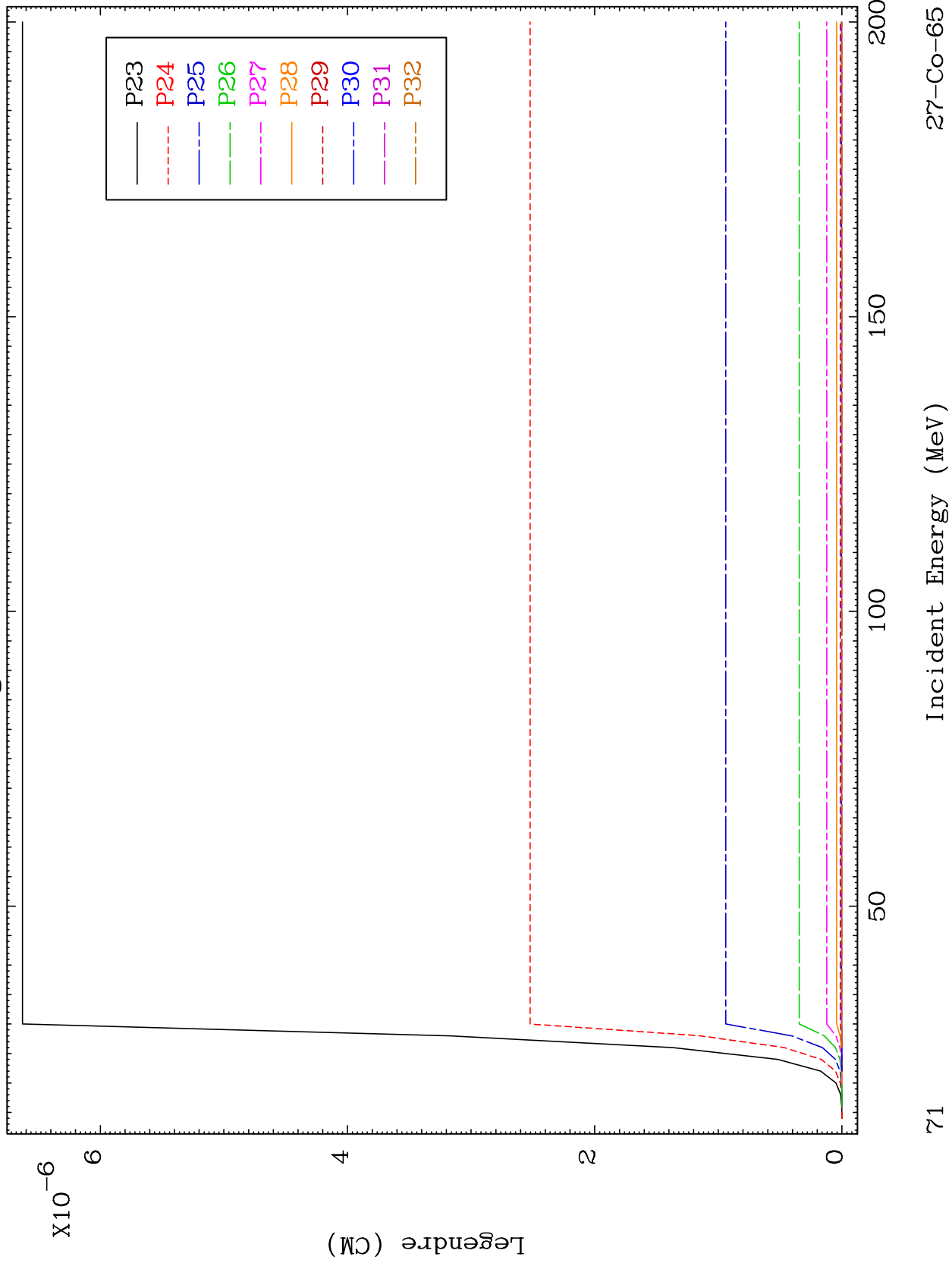
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



71

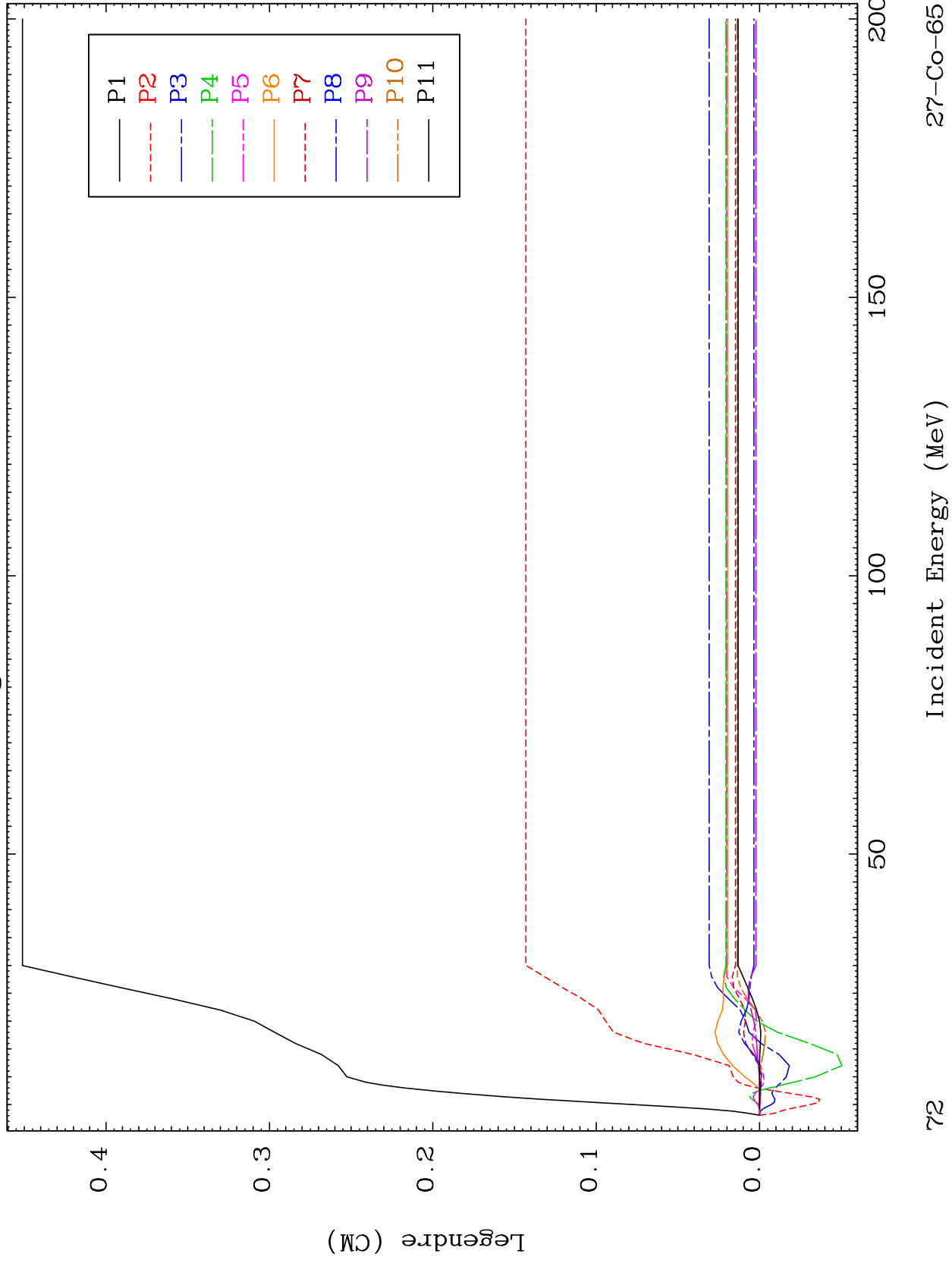
Incident Energy (MeV)

27-Co-65

MAT 2743

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

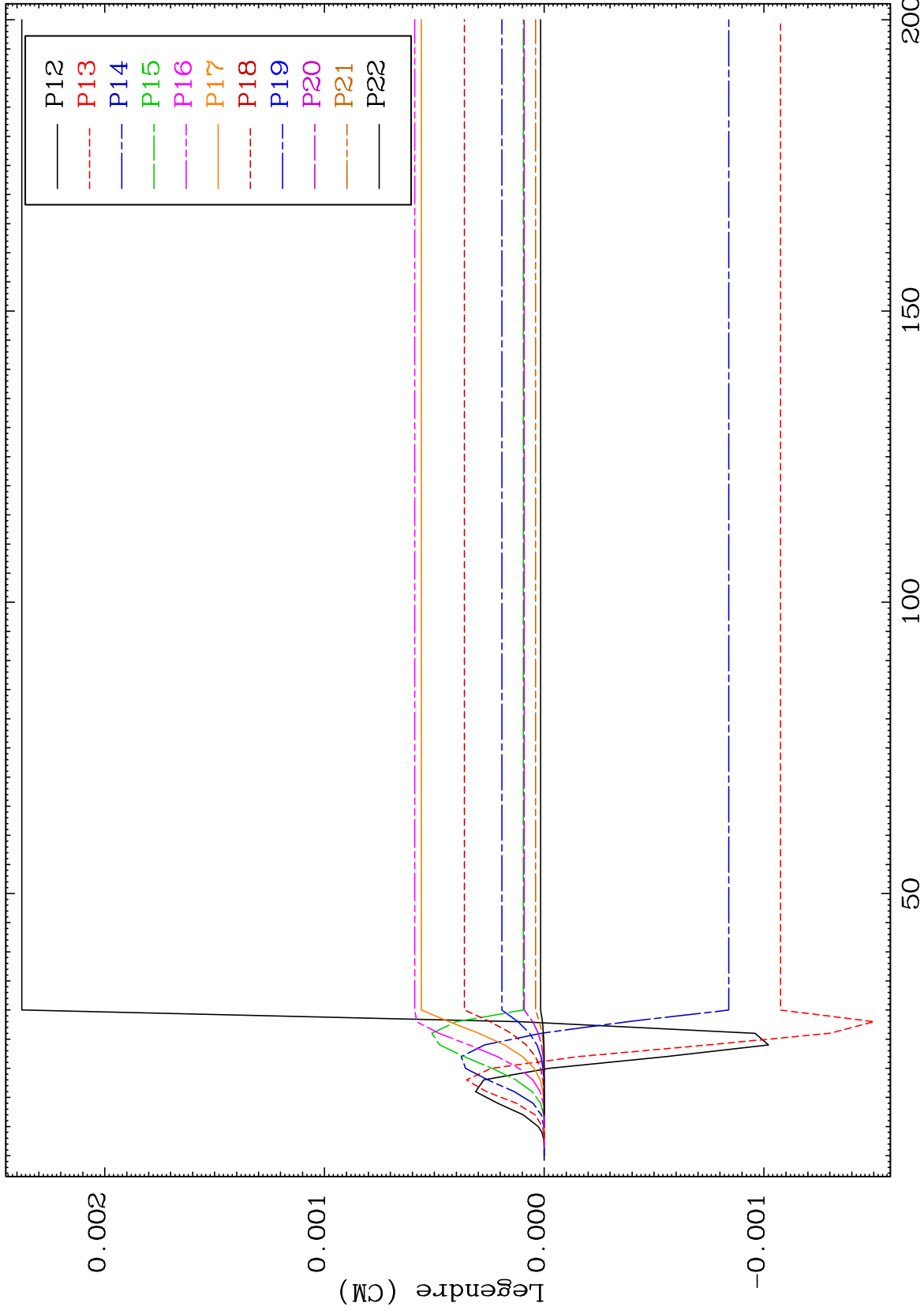
27-Co-65



MAT 2743

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

27-Co-65



73

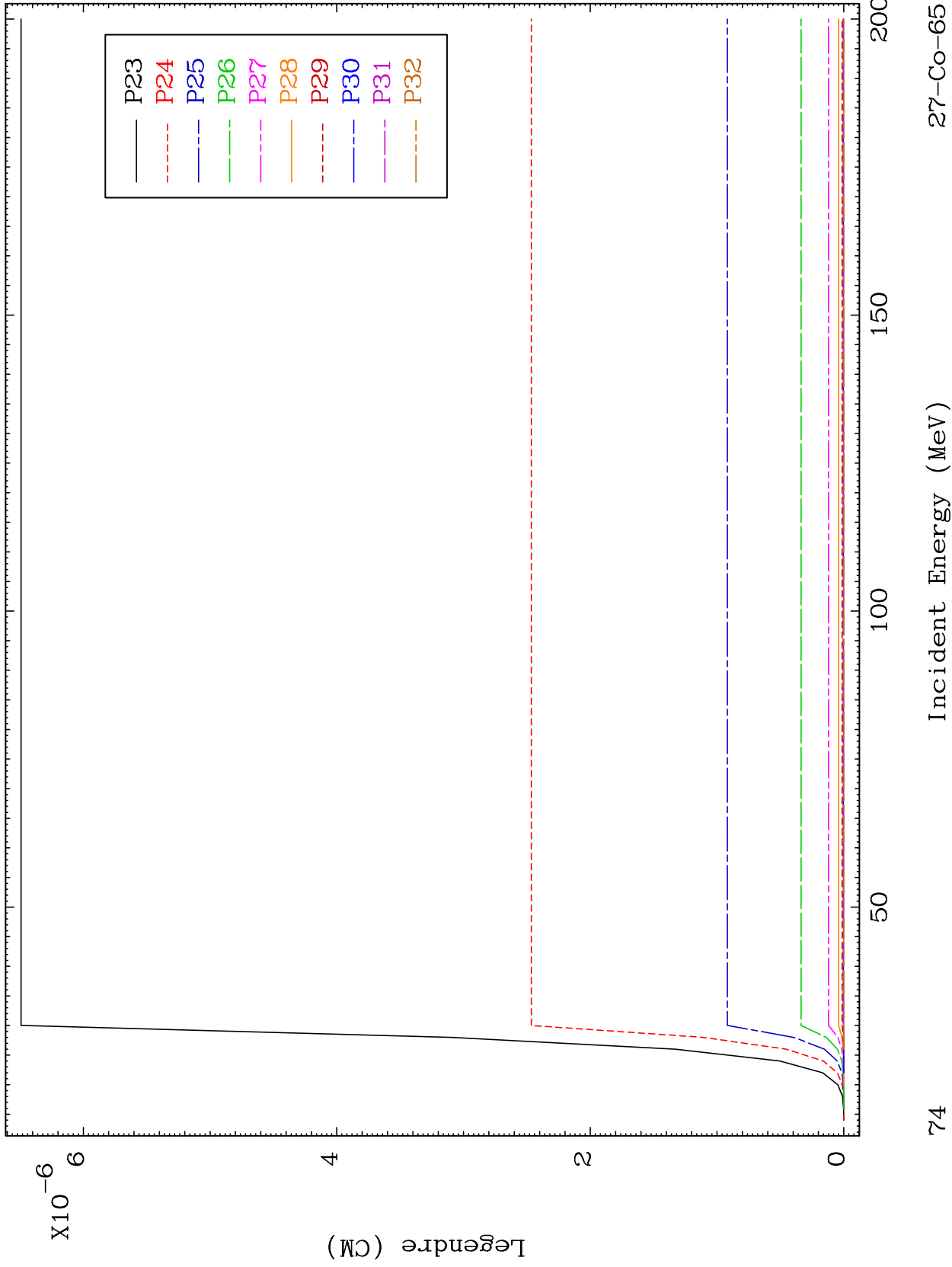
Incident Energy (MeV)

27-Co-65

MAT 2743

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

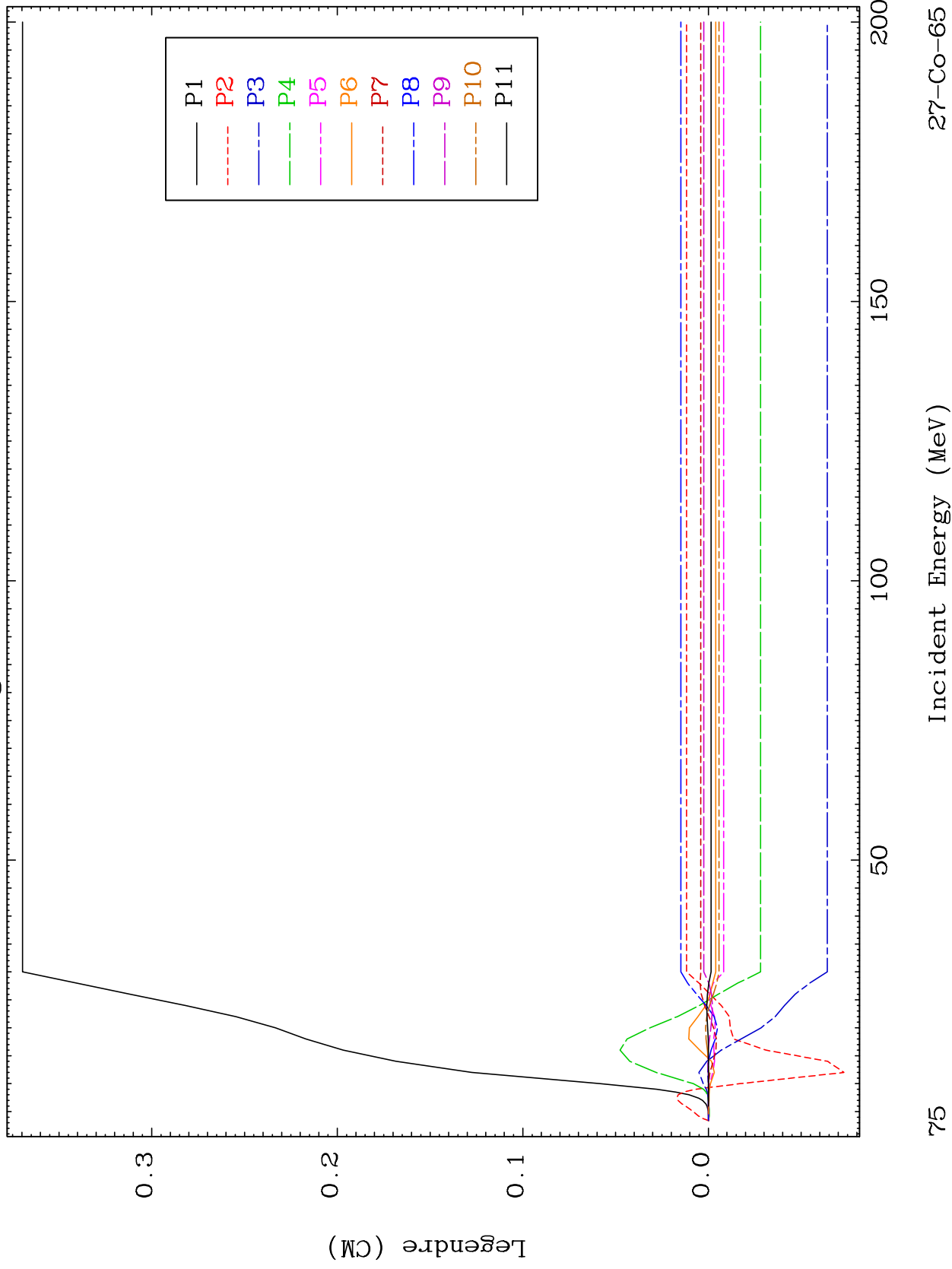
27-Co-65



MAT 2743

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

27-Co-65

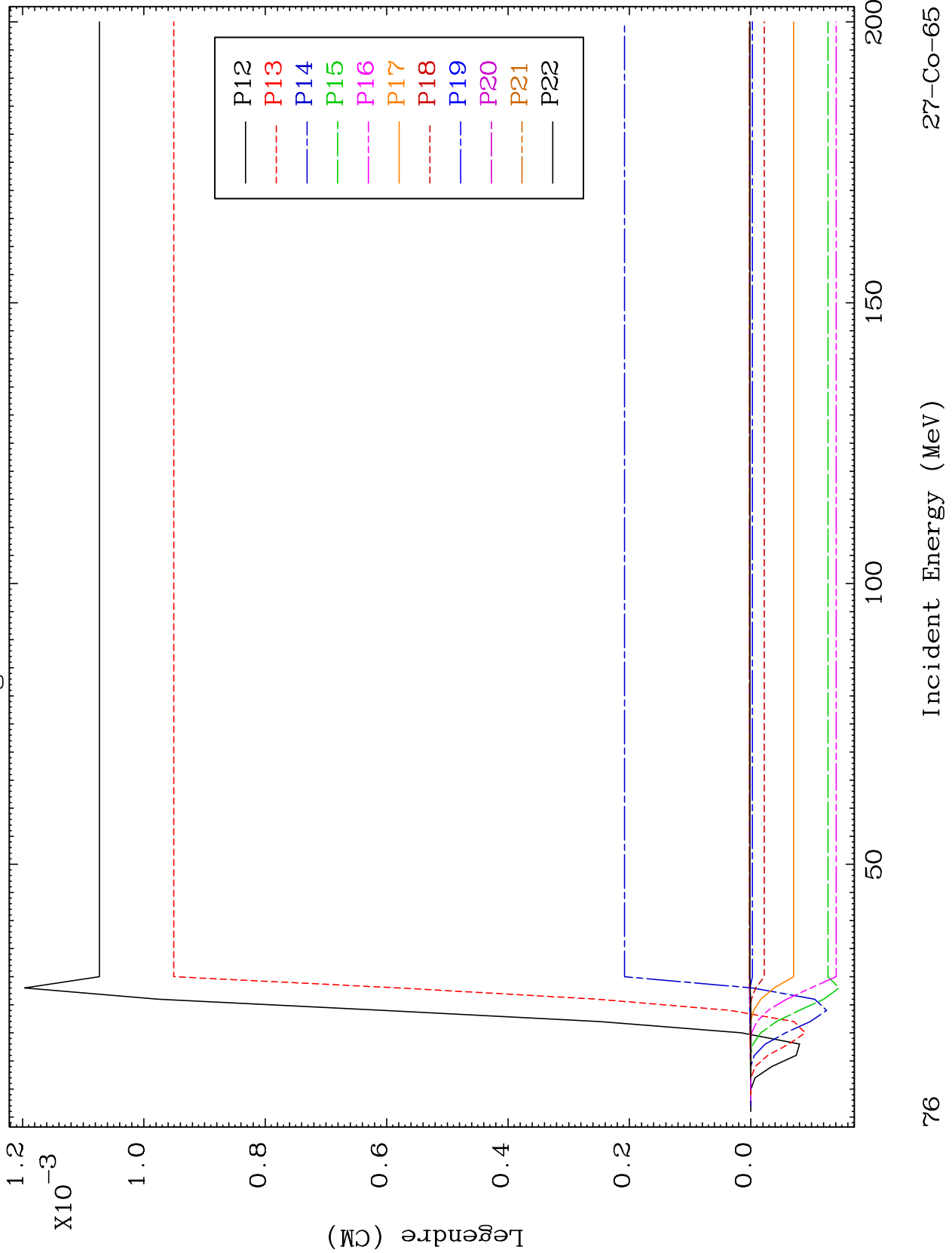


75

Incident Energy (MeV)

27-Co-65

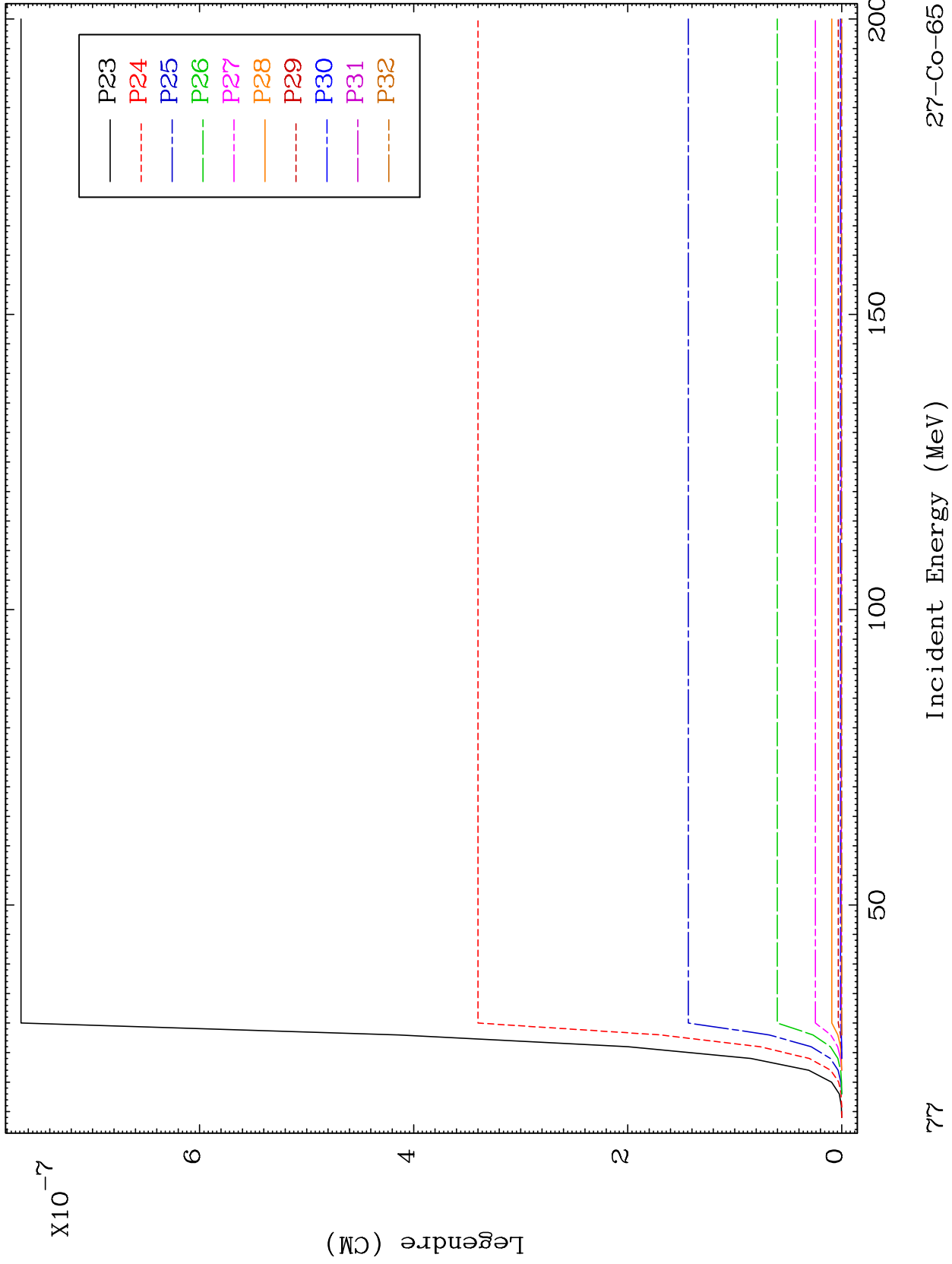
MAT 2743 MT= 69 (n,n') Level Legendre Coefficients 27-Co-65



MAT 2743

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

27-Co-65



77

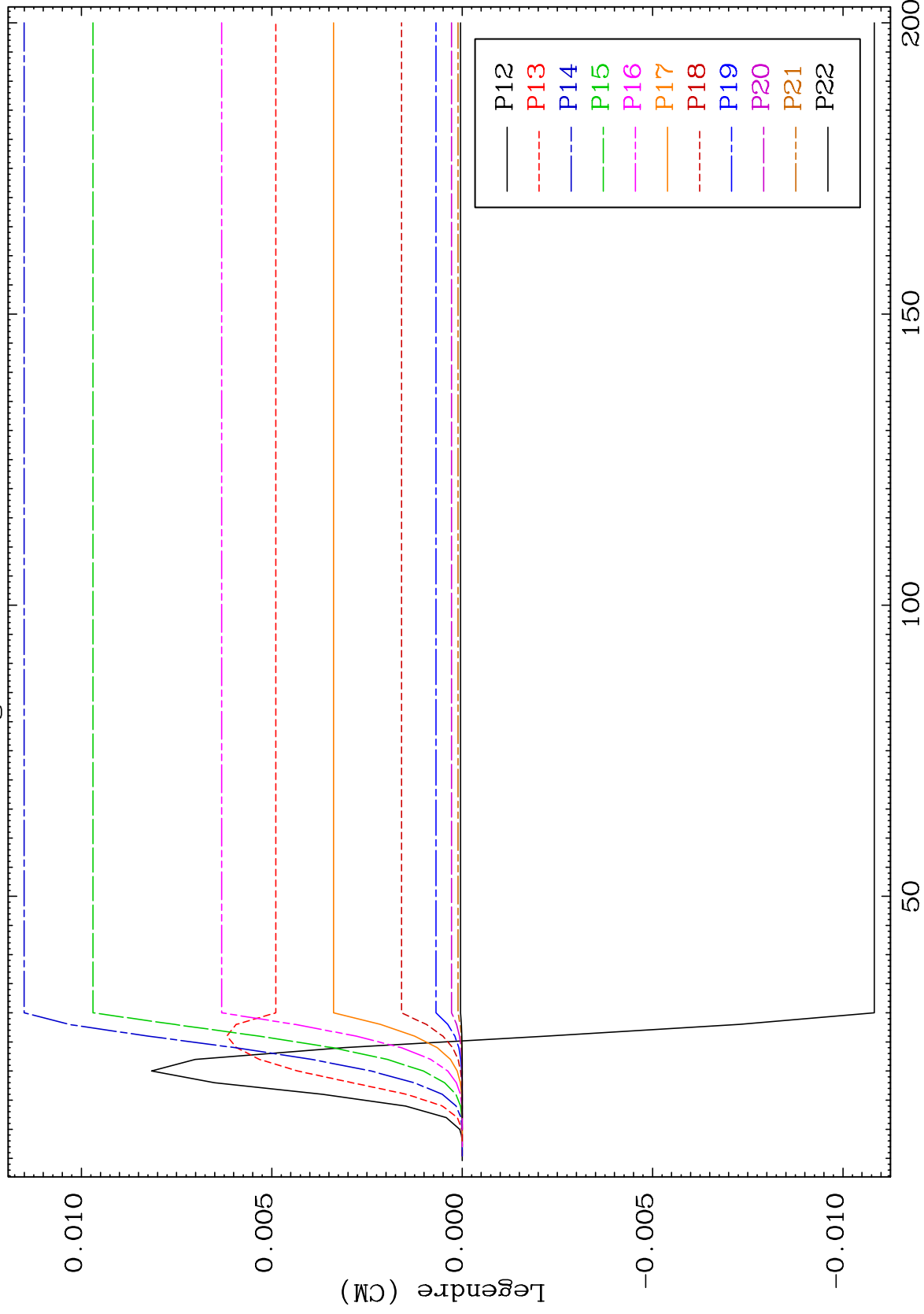
Incident Energy (MeV)

27-Co-65

MAT 2743

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

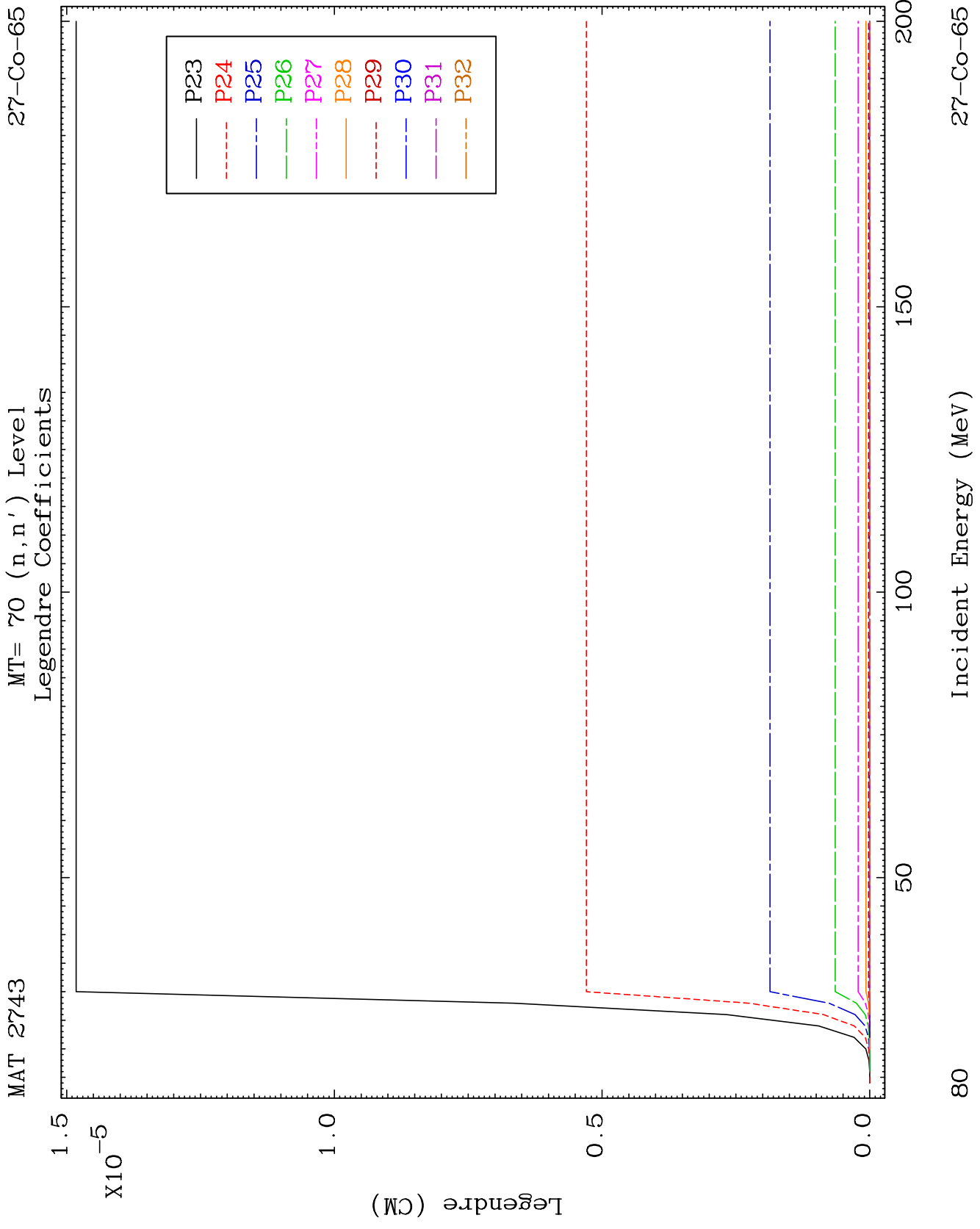
27-Co-65



79

Incident Energy (MeV)

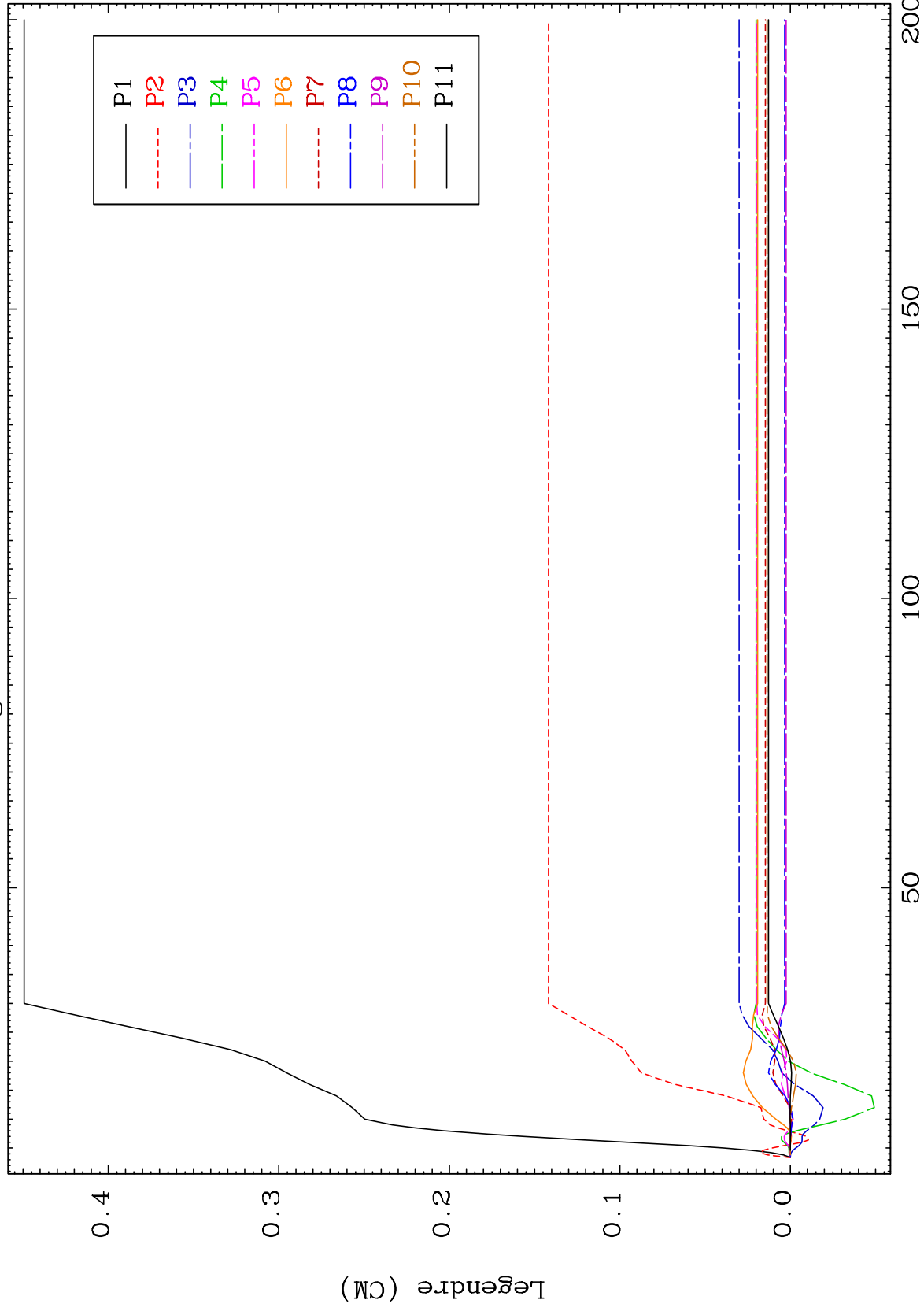
27-Co-65



MAT 2743

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

27-Co-65



81

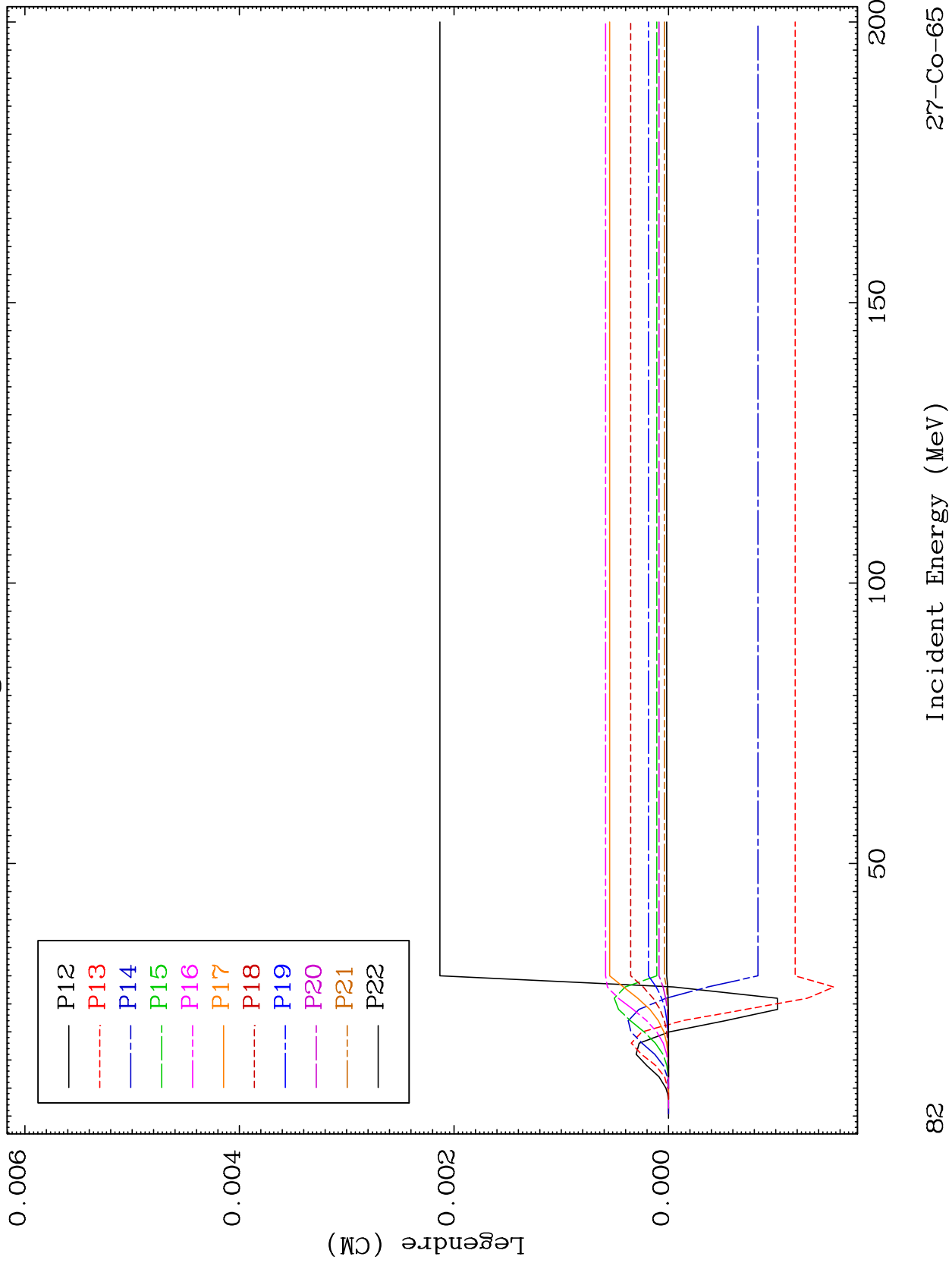
Incident Energy (MeV)

27-Co-65

MAT 2743

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

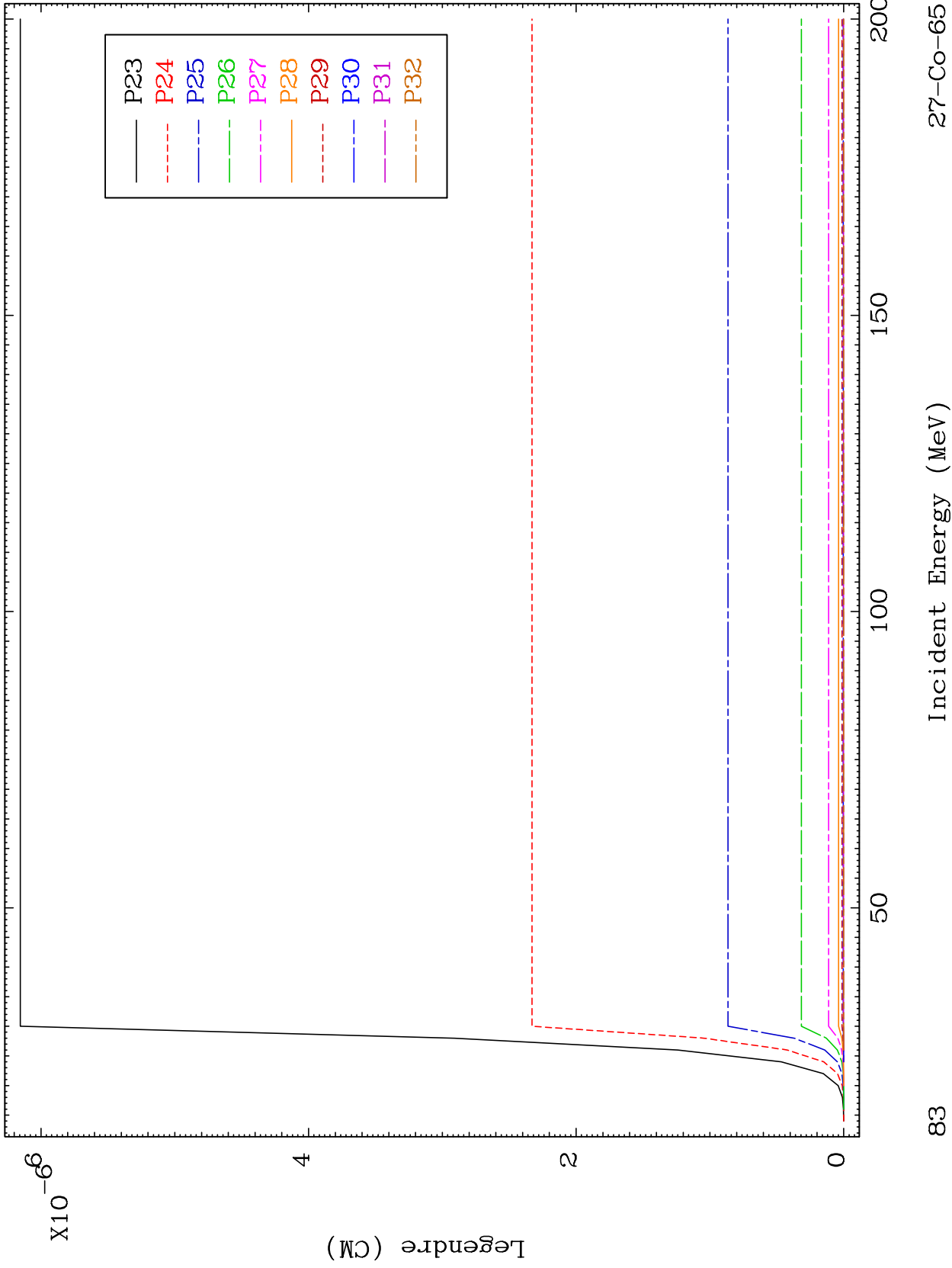
27-Co-65



MAT 2743

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

27-Co-65



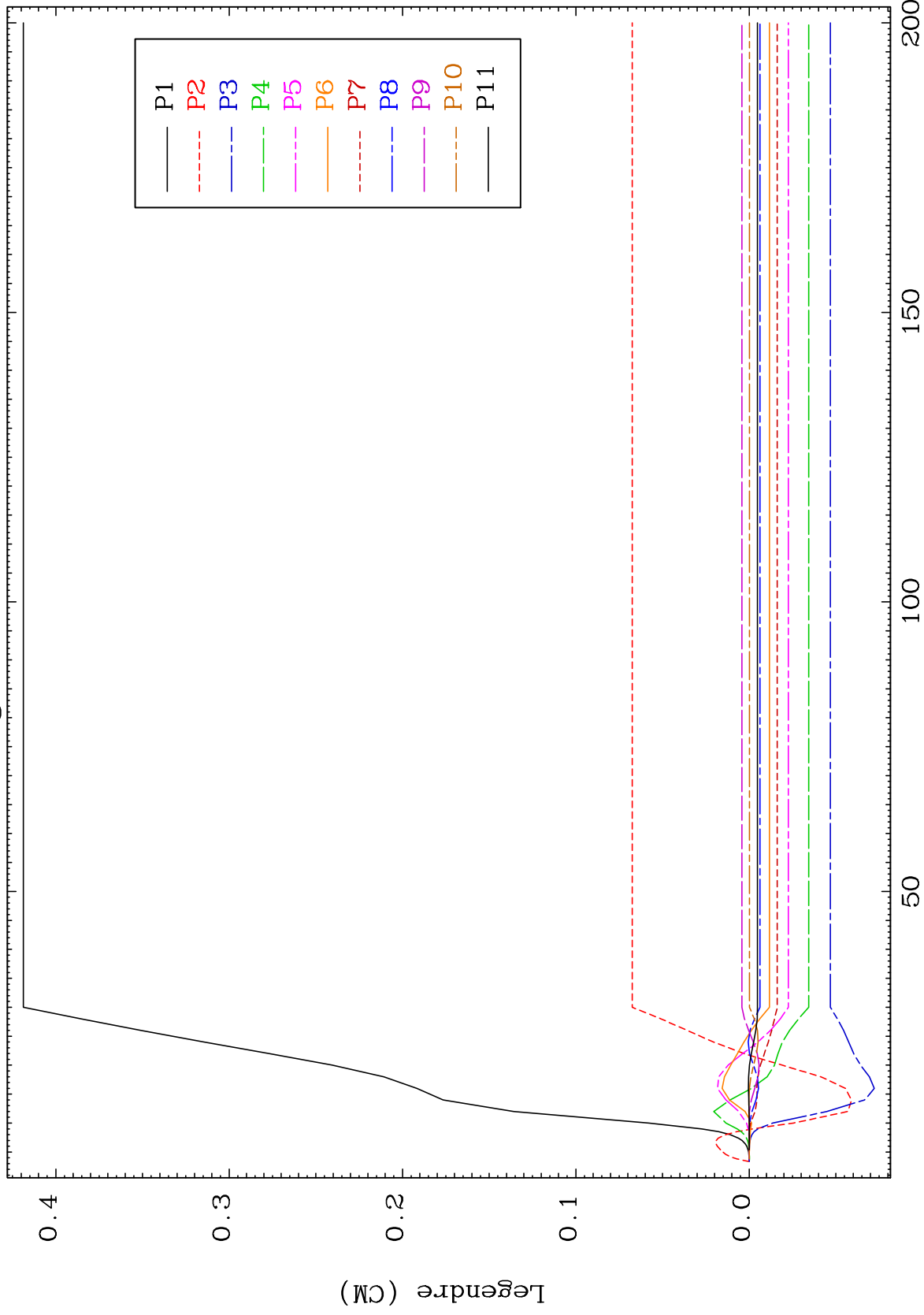
83

27-Co-65

MAT 2743

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

27-Co-65



84

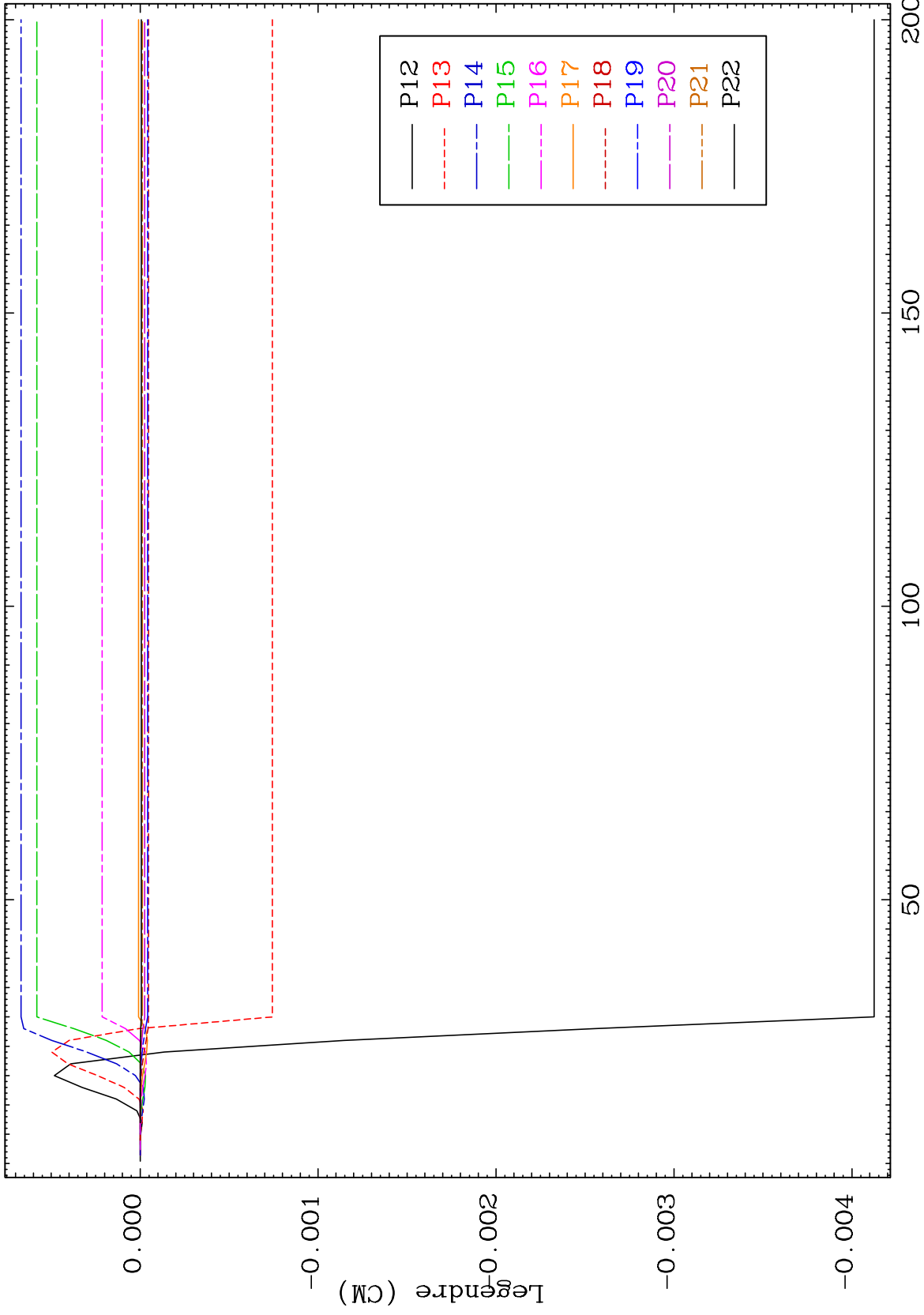
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



85

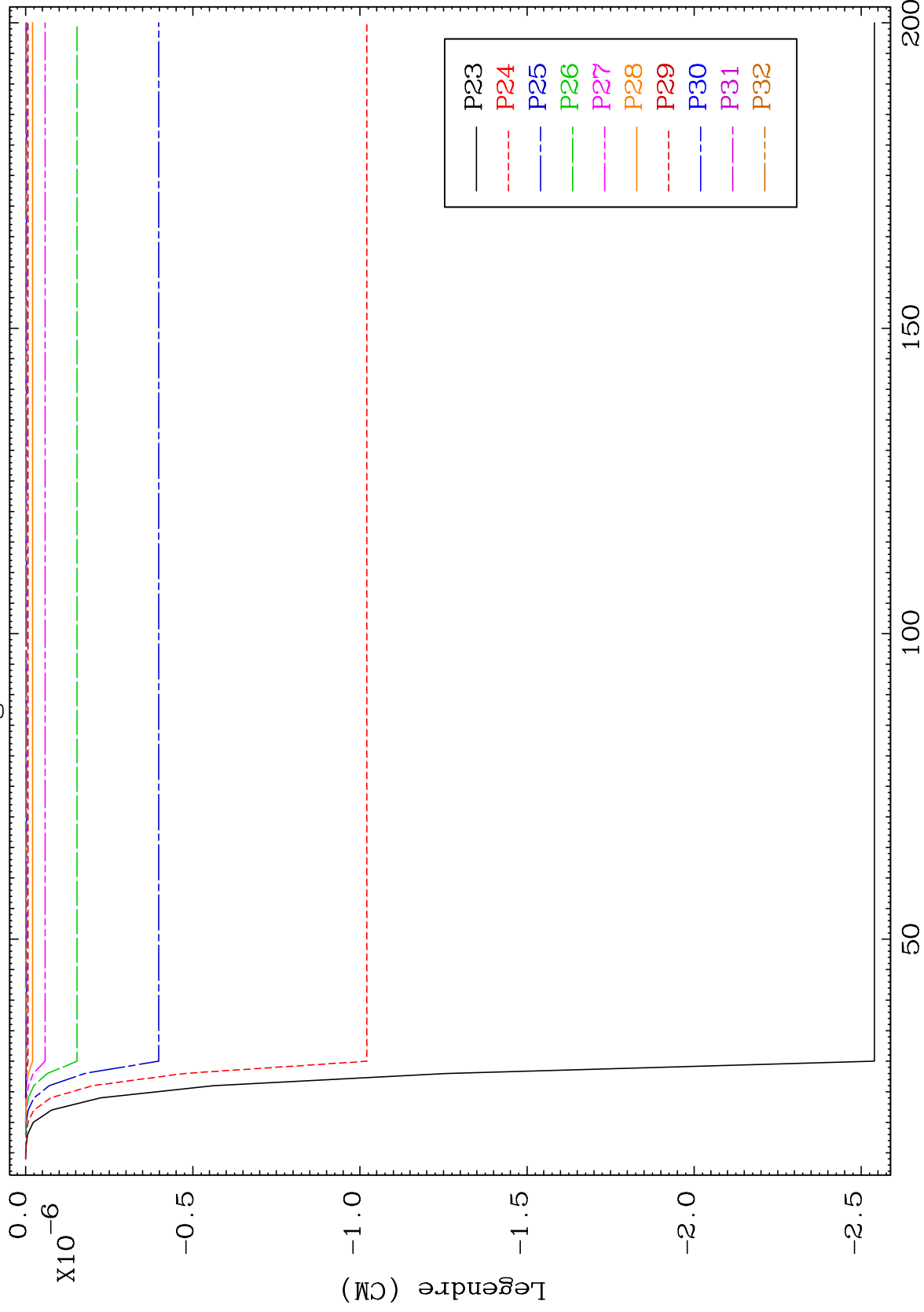
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



86

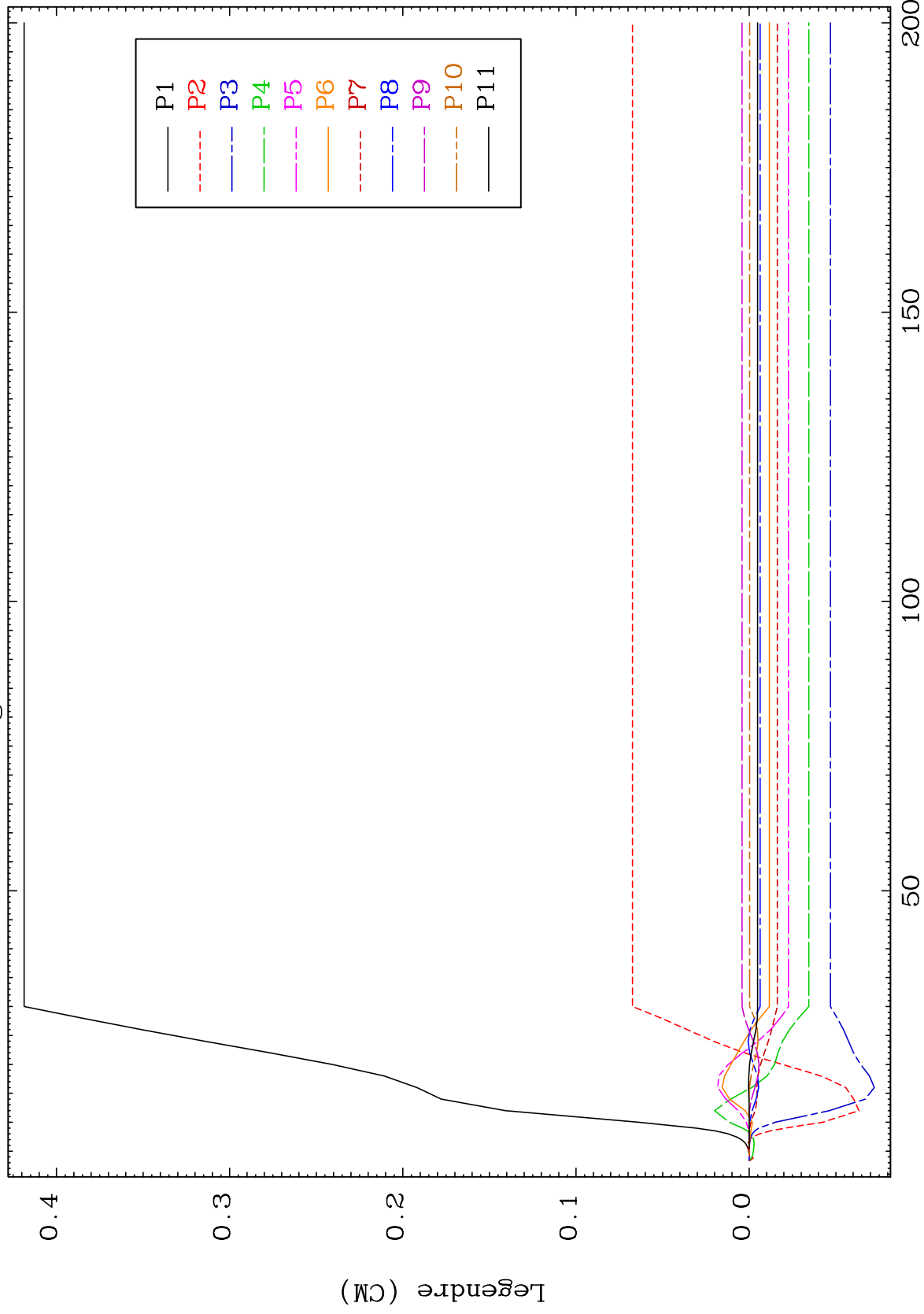
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



87

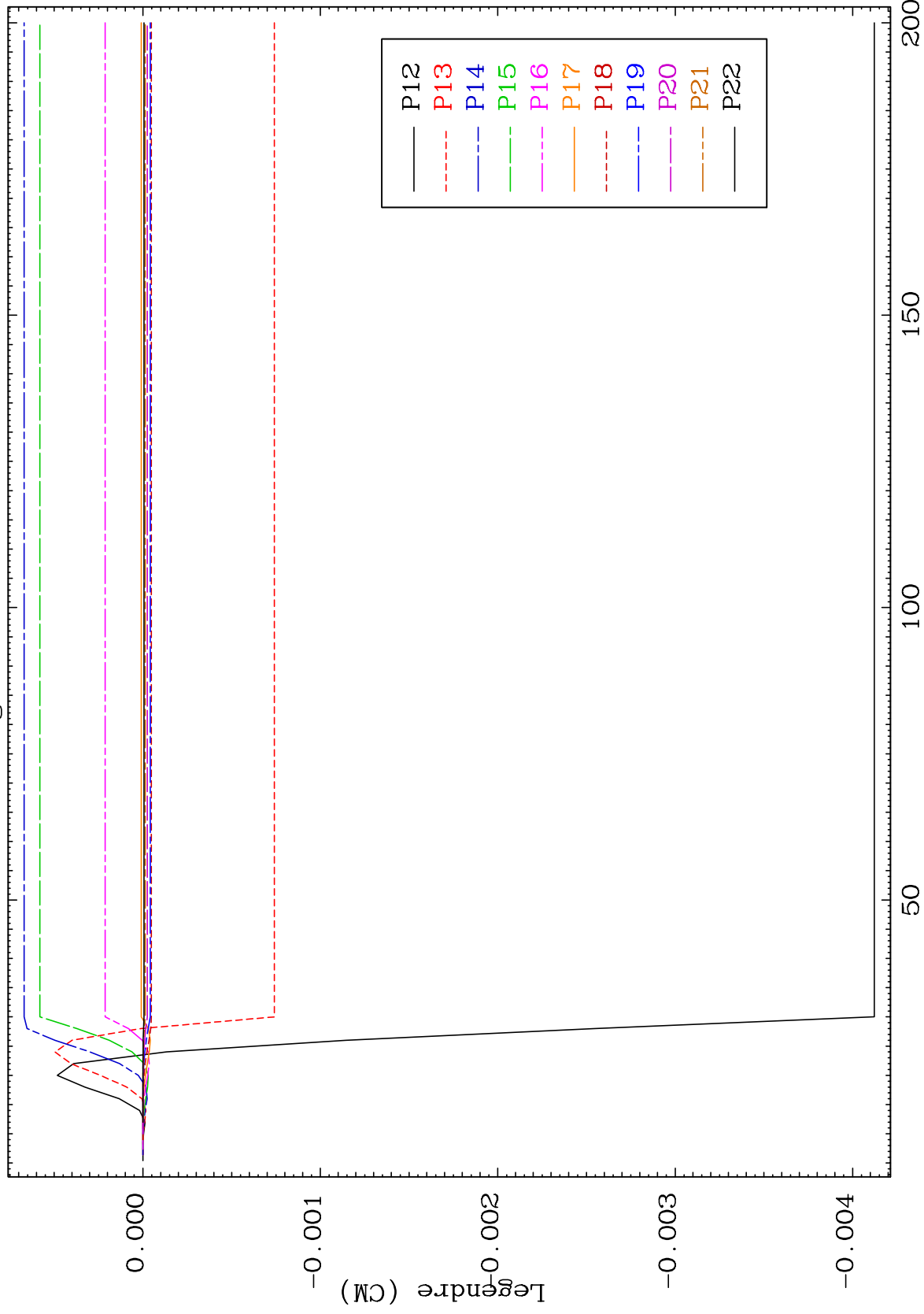
Incident Energy (MeV)

27-Co-65

MAT 2743

27-Co-65

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



88

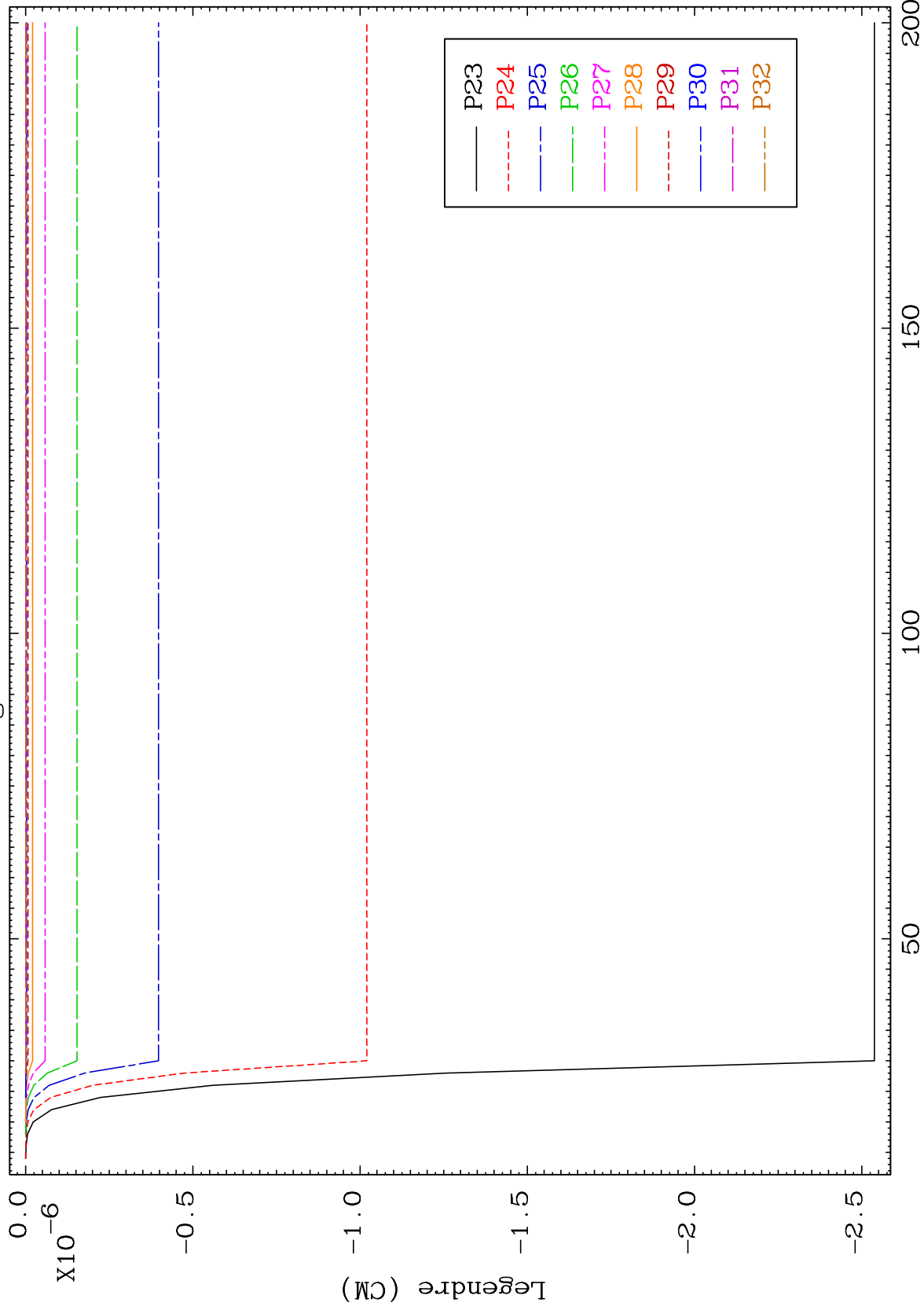
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



89

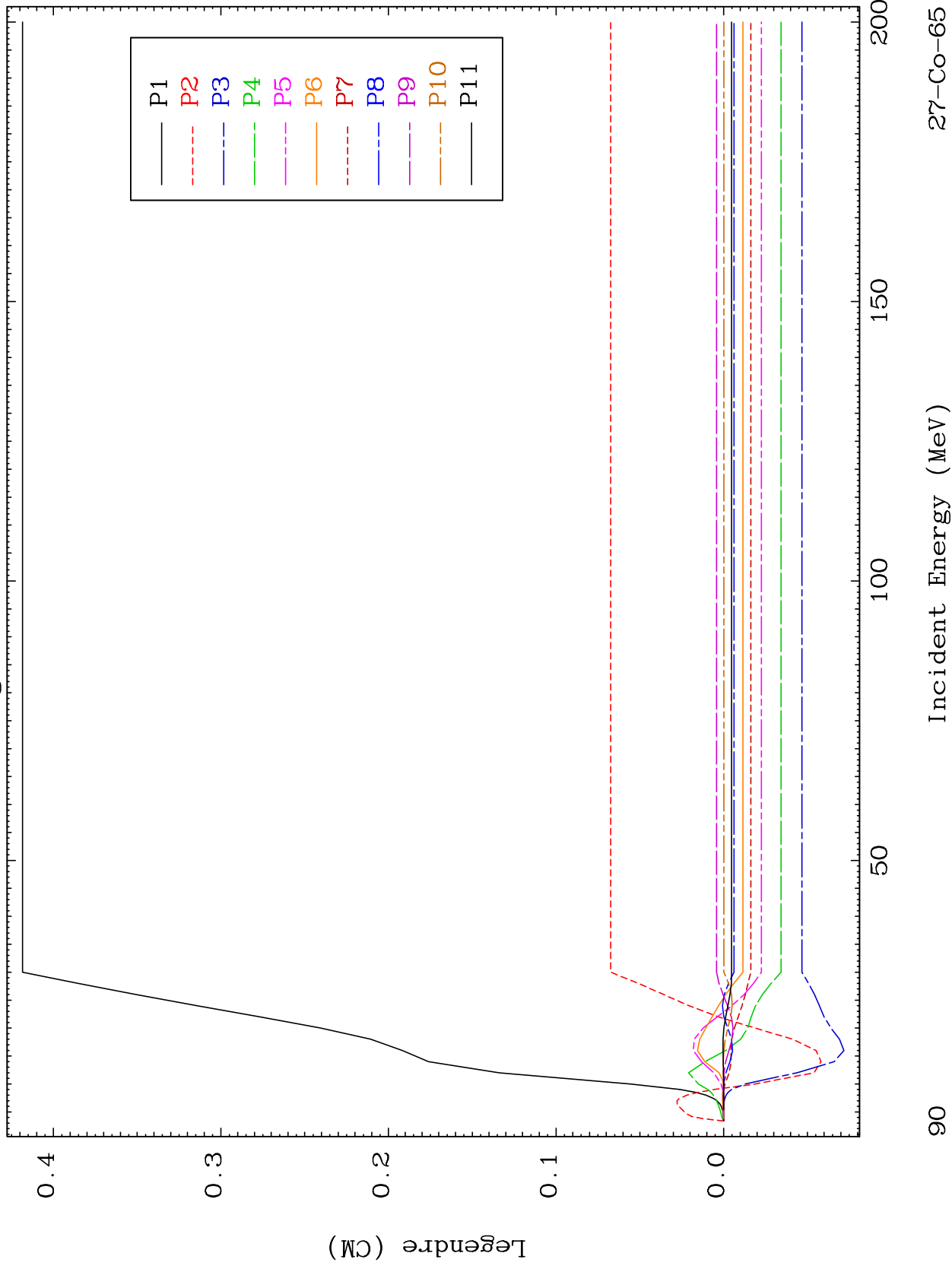
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



27-Co-65

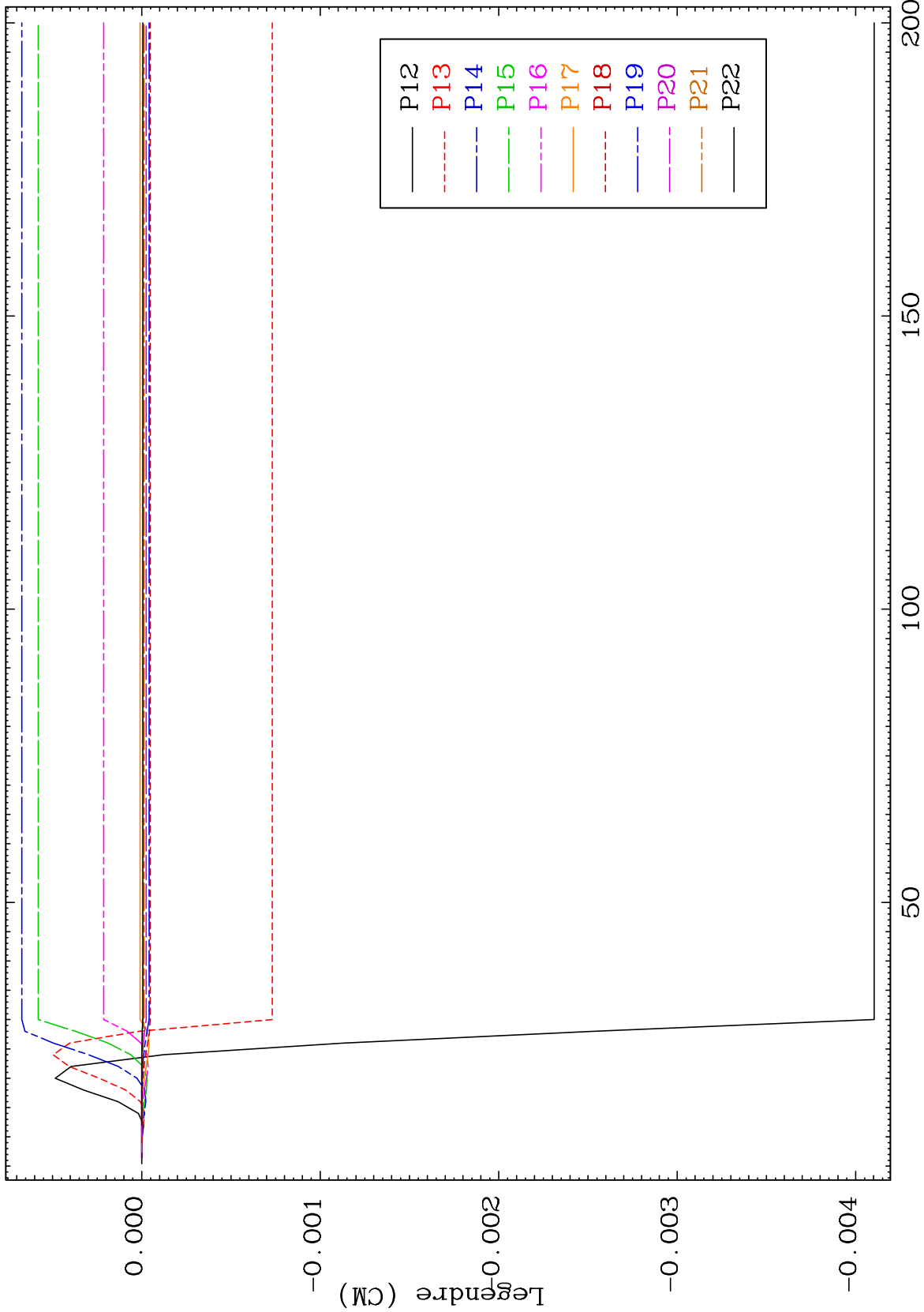
Incident Energy (MeV)

90

MAT 2743

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

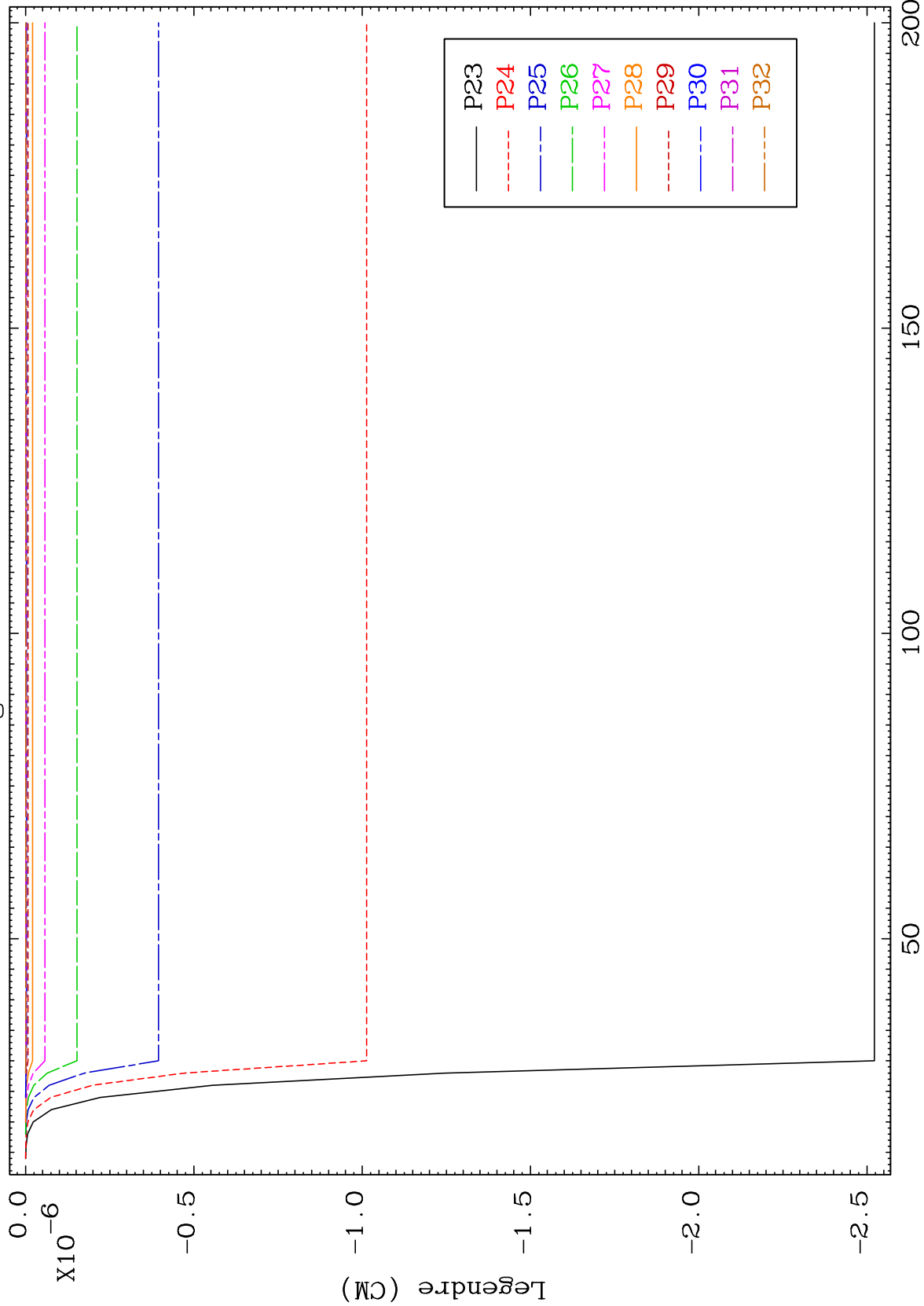
27-Co-65



MAT 2743

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

27-Co-65



92

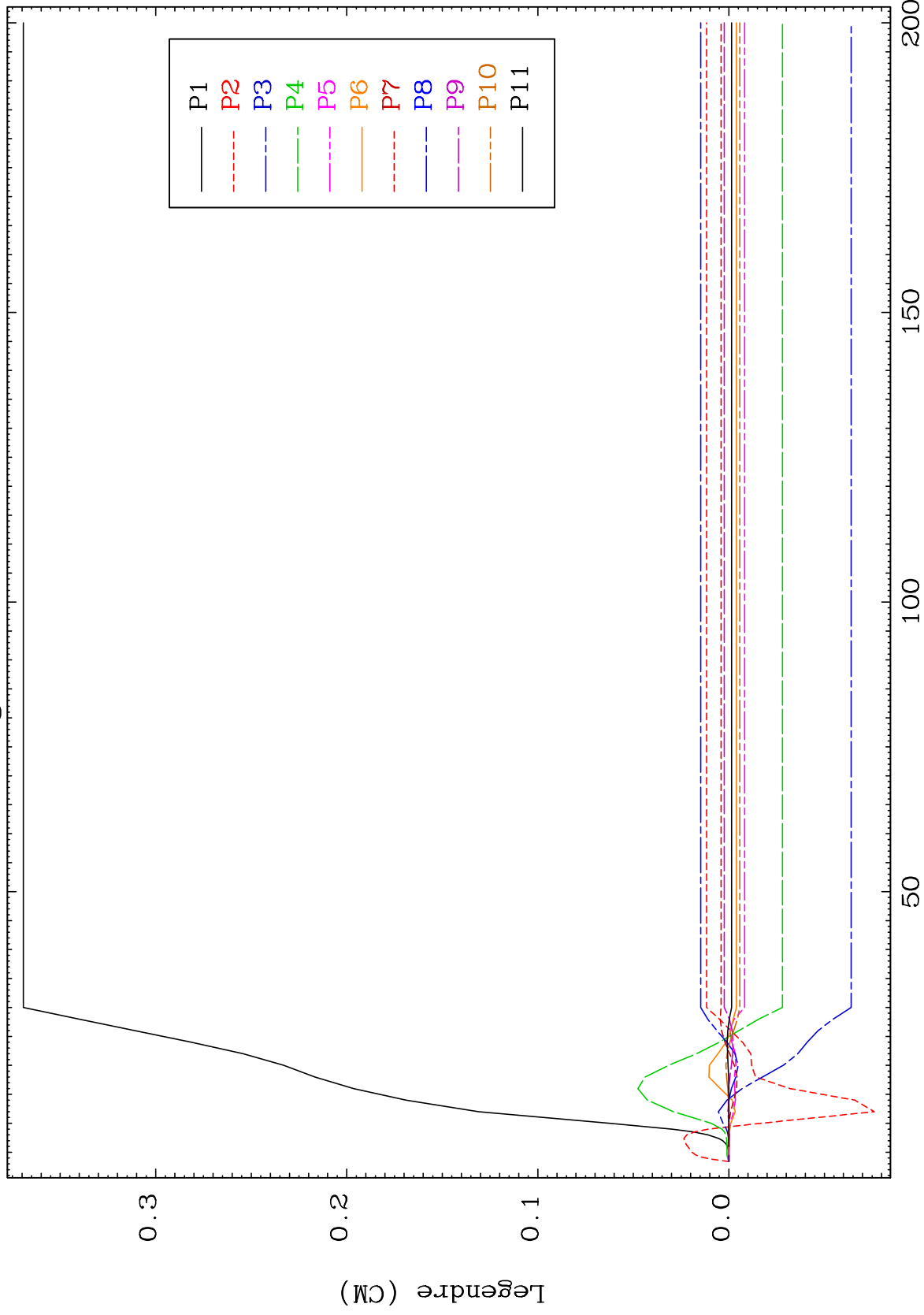
Incident Energy (MeV)

27-Co-65

MAT 2743

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

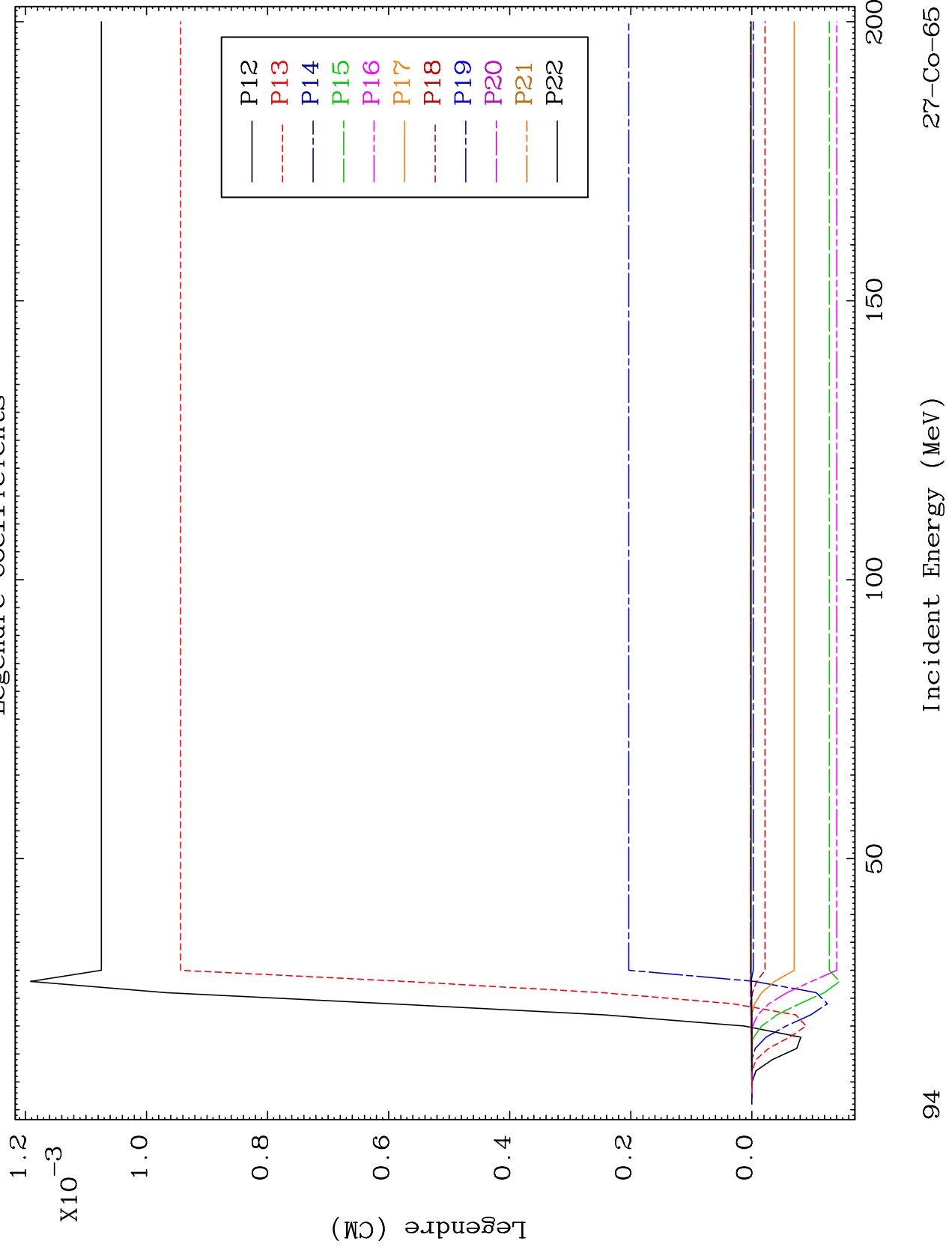
27-Co-65



93

Incident Energy (MeV)

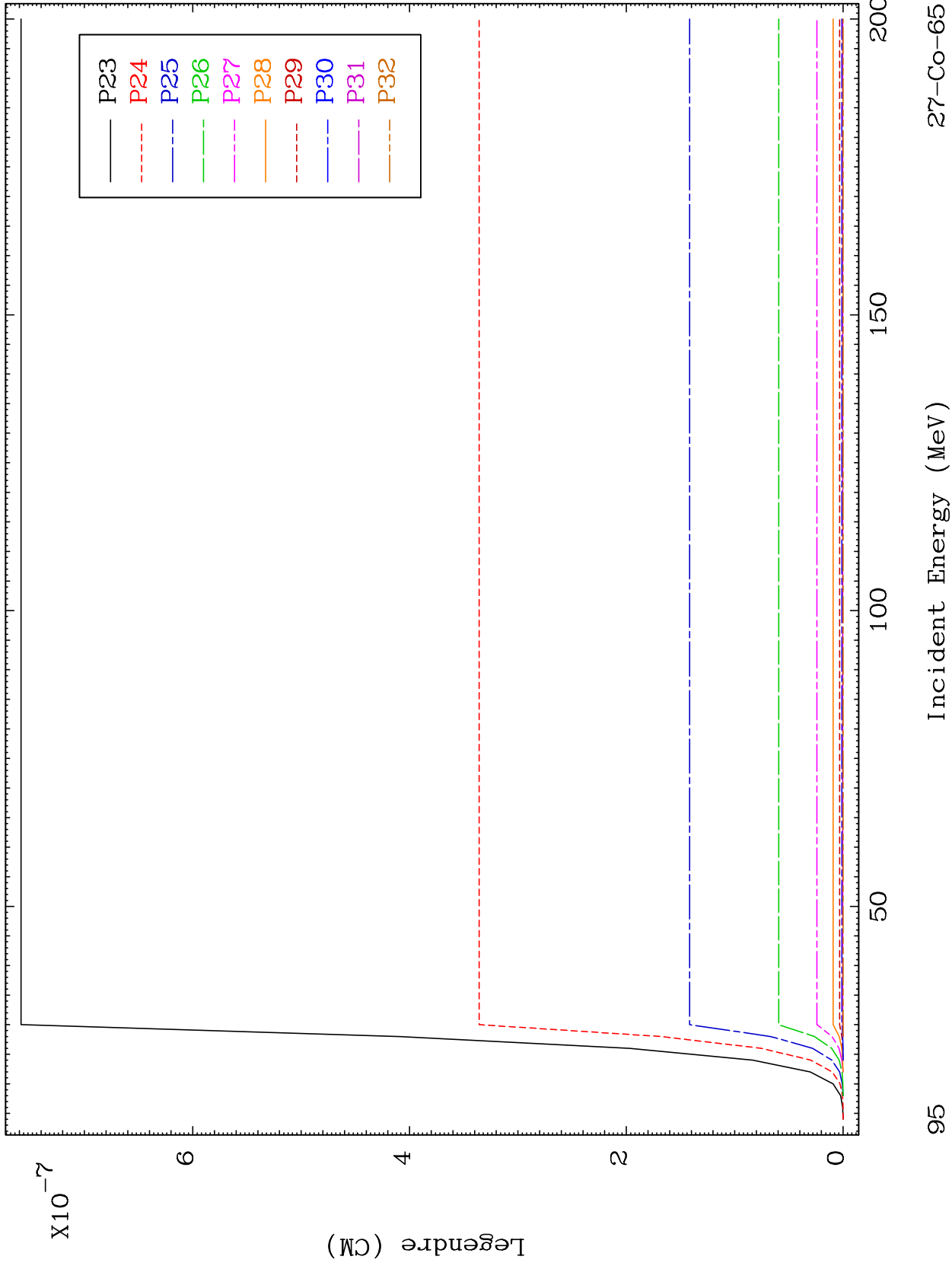
27-Co-65



MAT 2743

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

27-Co-65



95

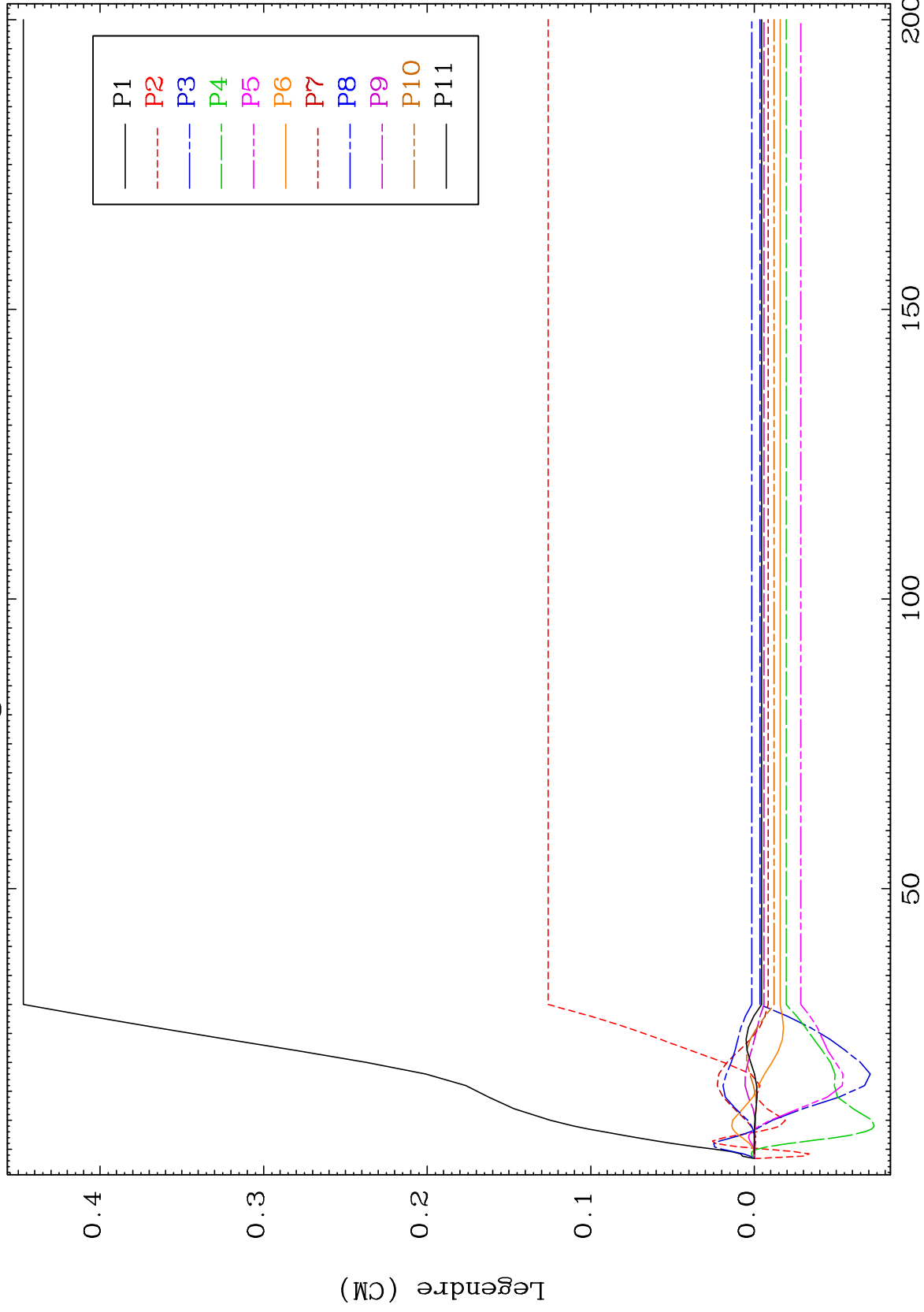
Incident Energy (MeV)

27-Co-65

MAT 2743

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

27-Co-65



96

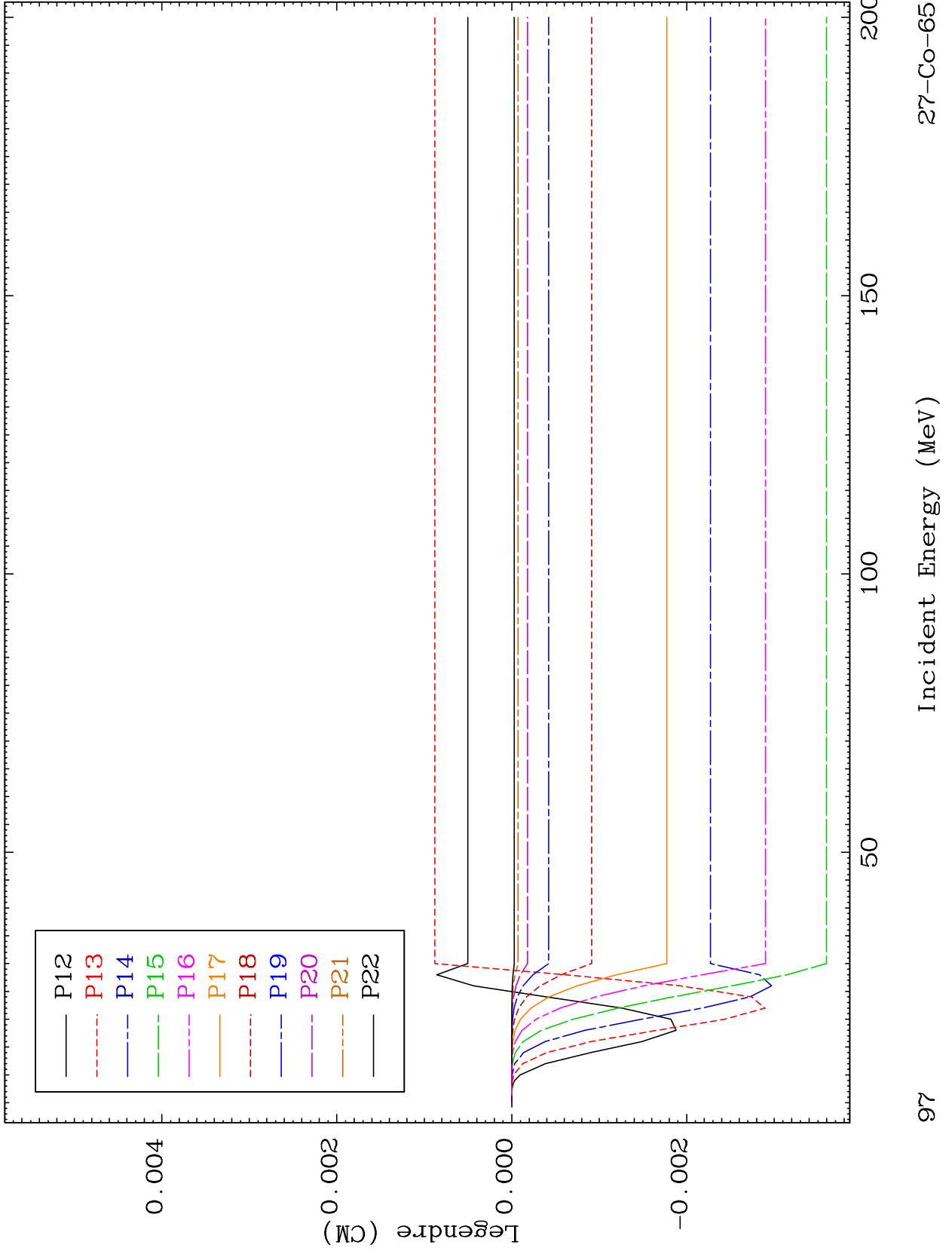
Incident Energy (MeV)

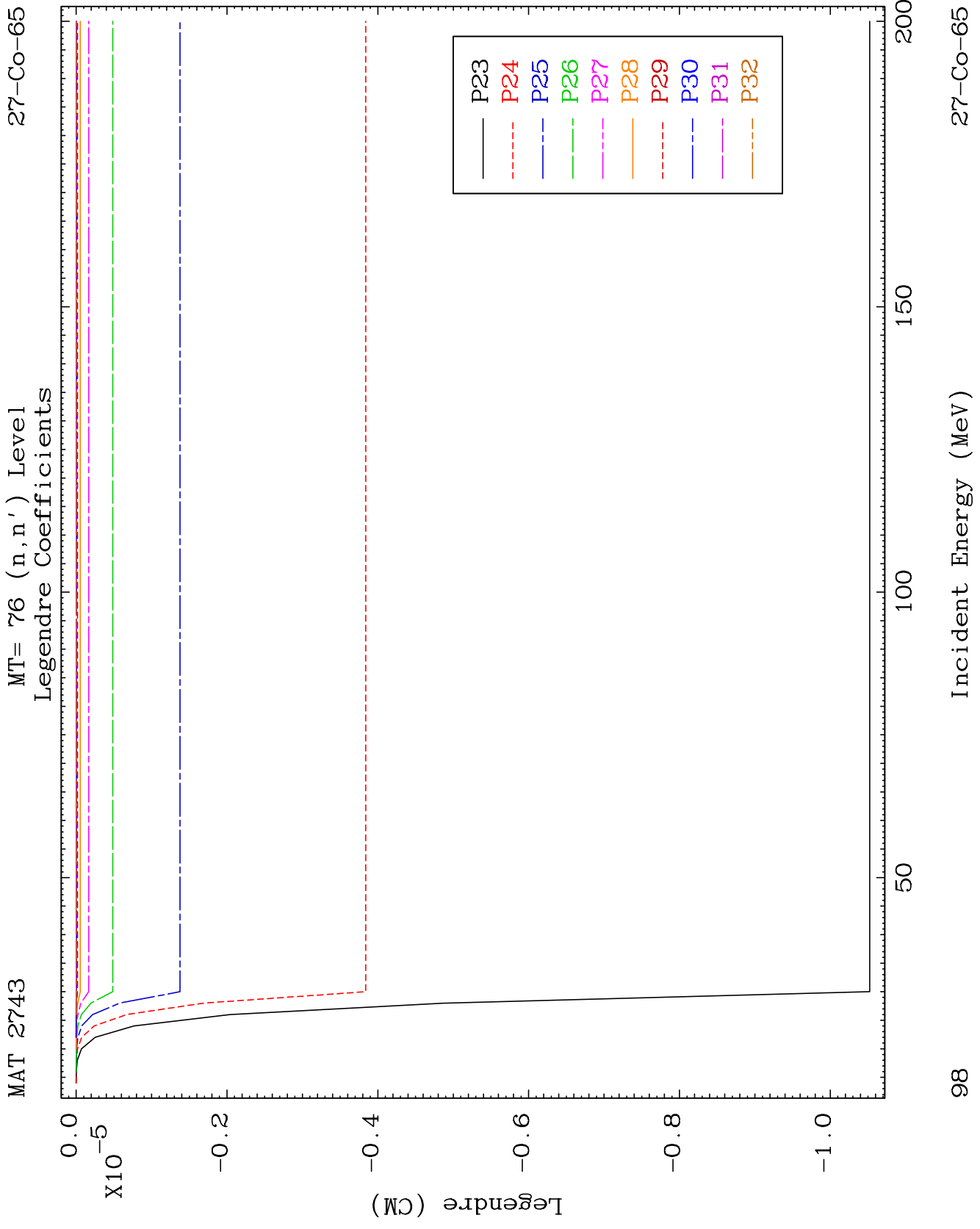
27-Co-65

MAT 2743

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

27-Co-65

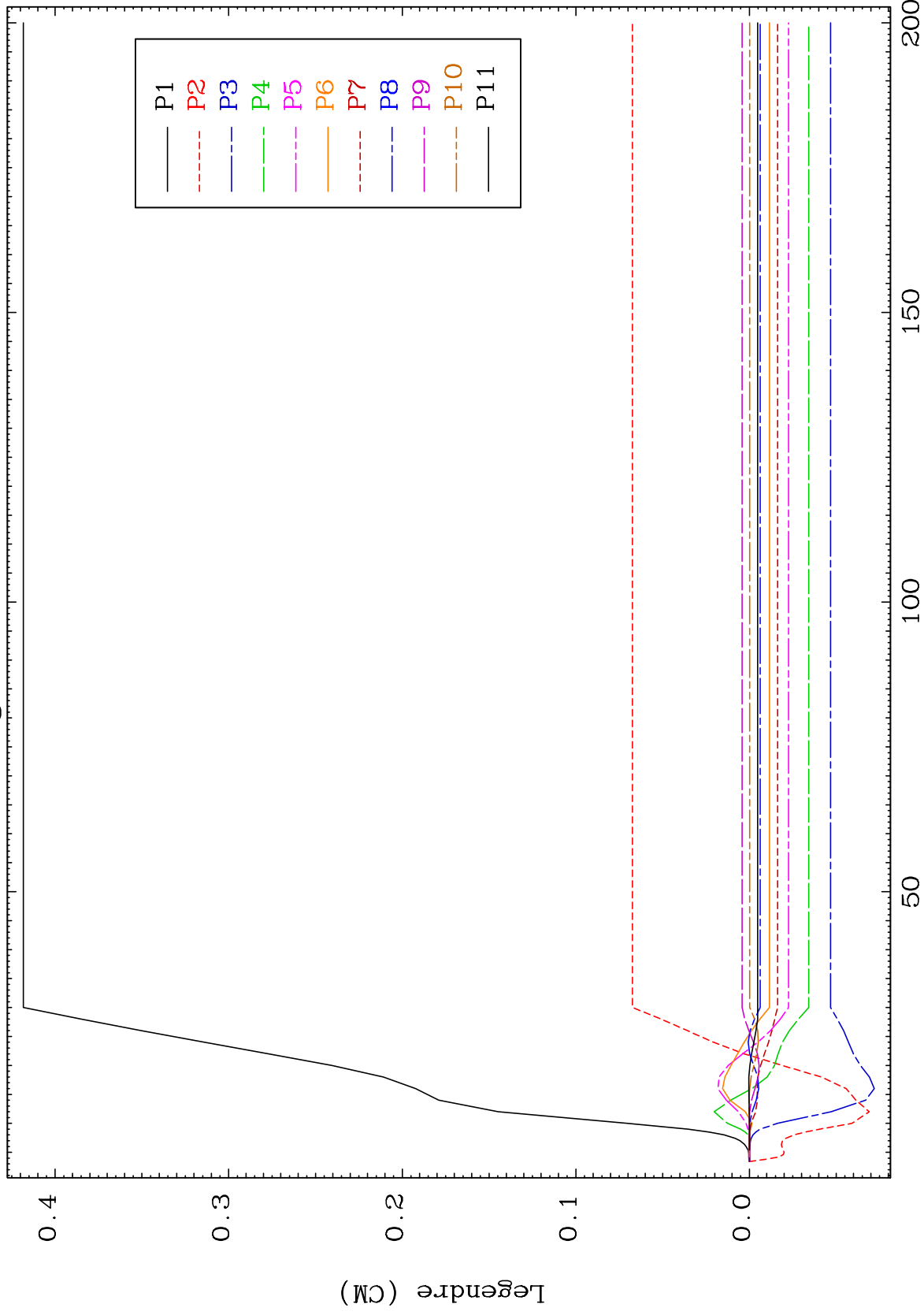




MAT 2743

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

27-Co-65



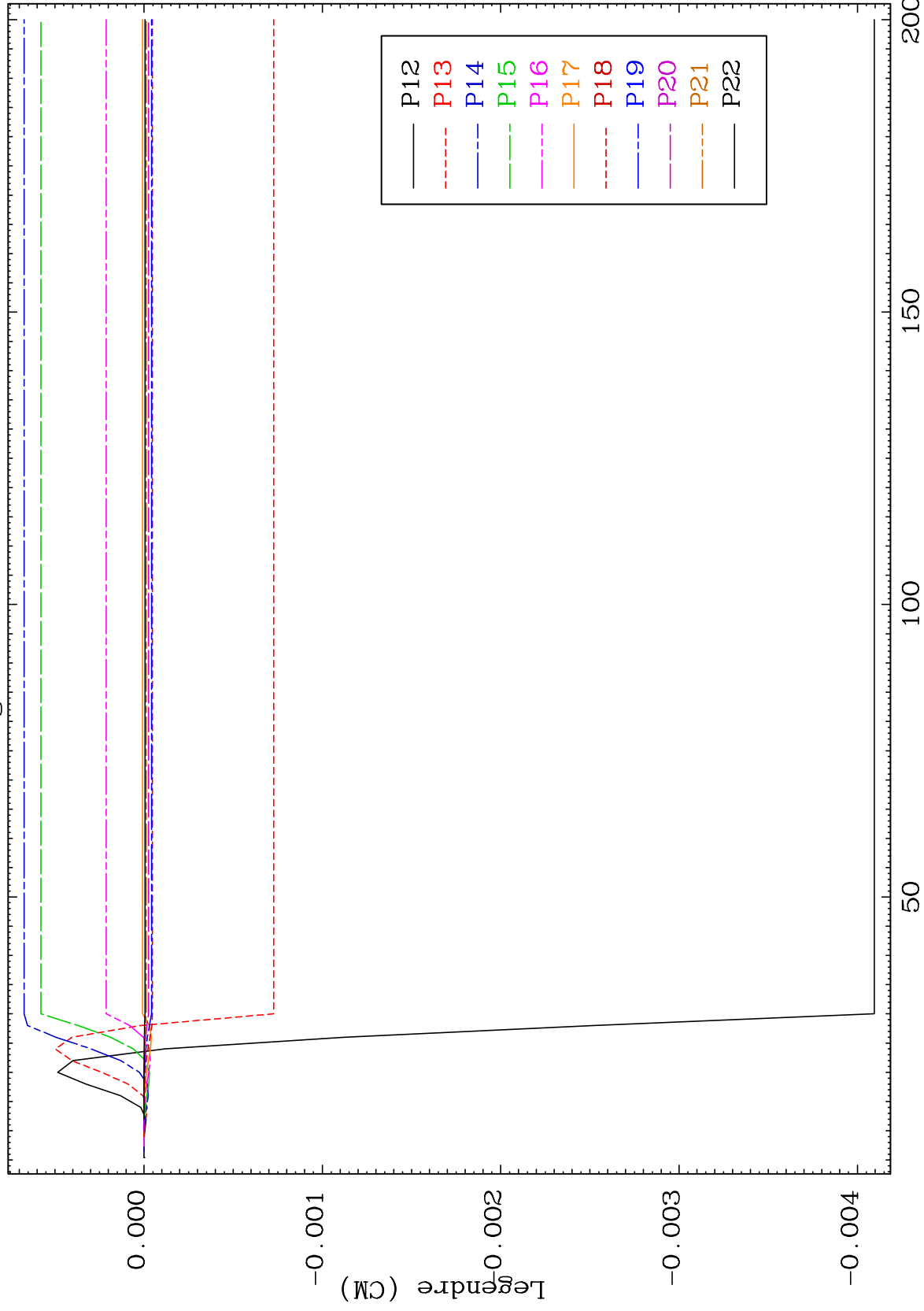
99

27-Co-65

MAT 2743

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

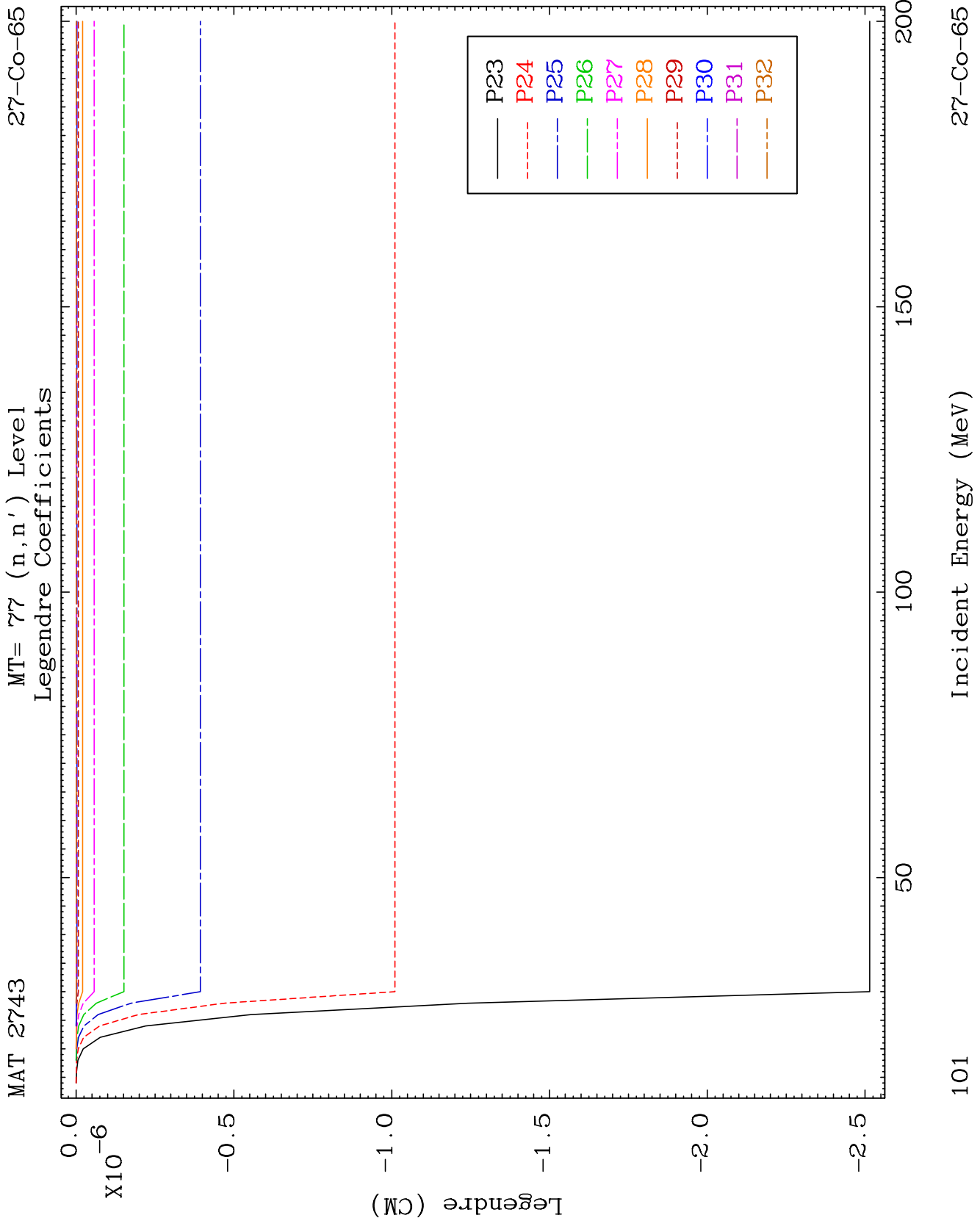
27-Co-65



100

Incident Energy (MeV)

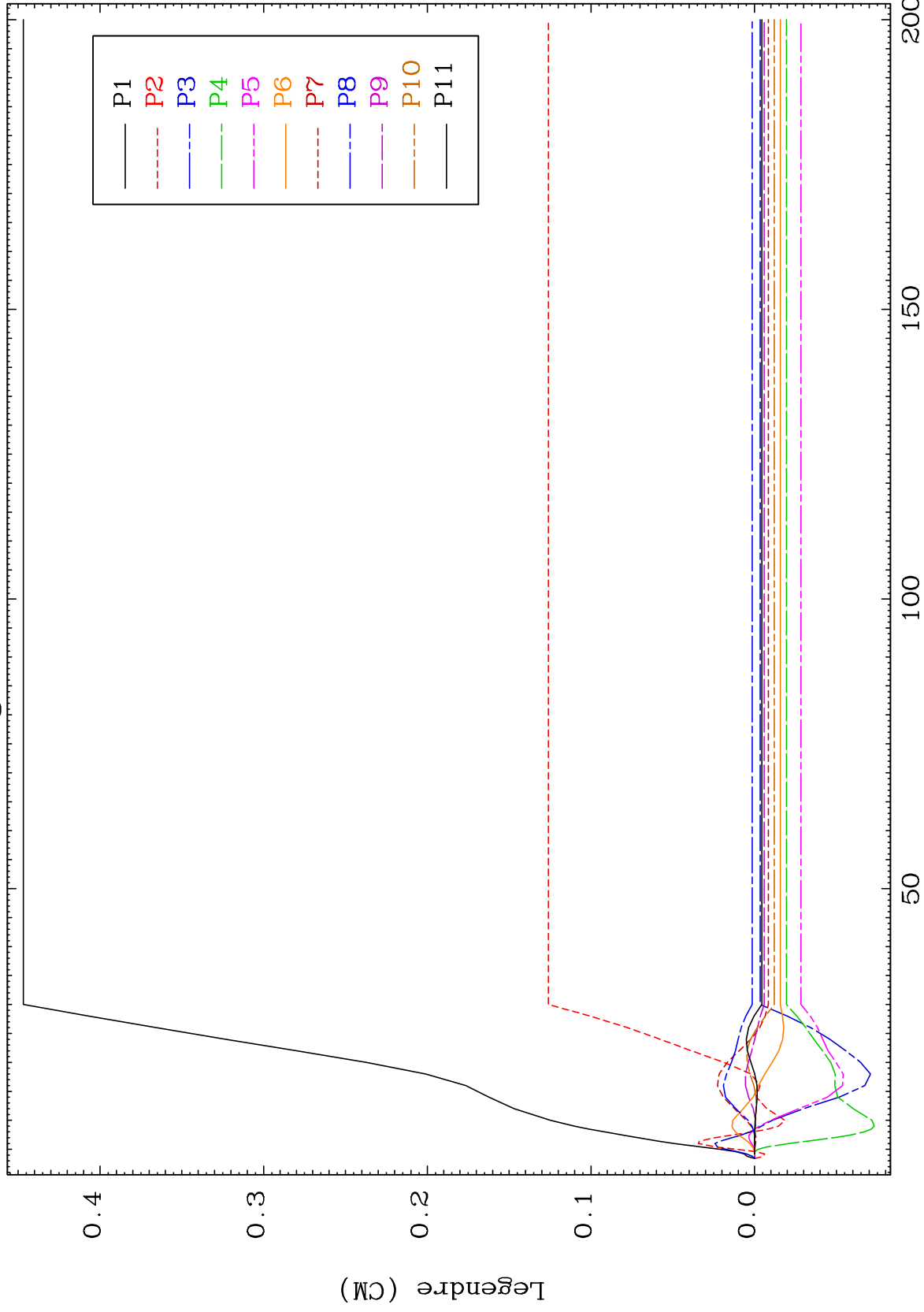
27-Co-65



MAT 2743

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

27-Co-65



102

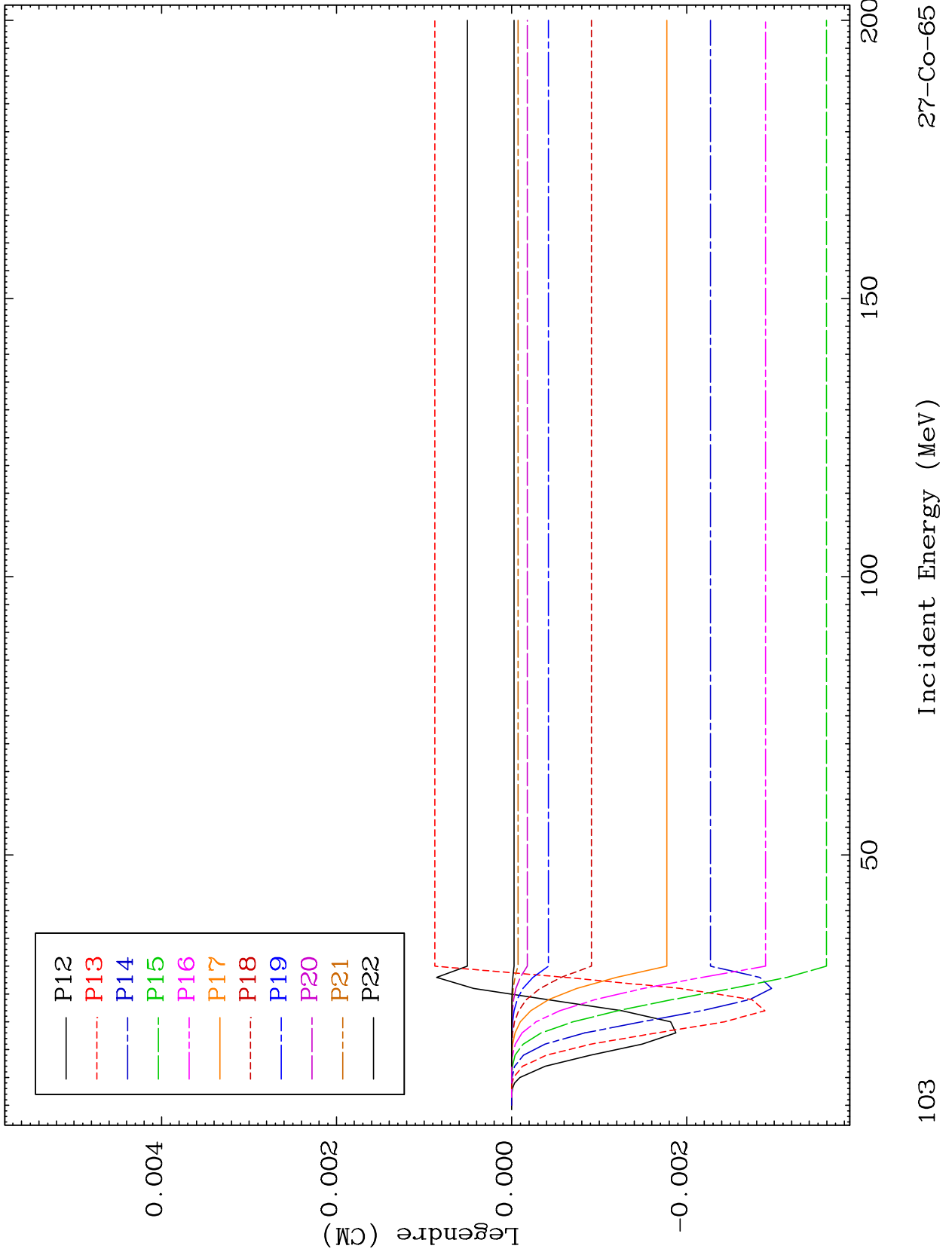
Incident Energy (MeV)

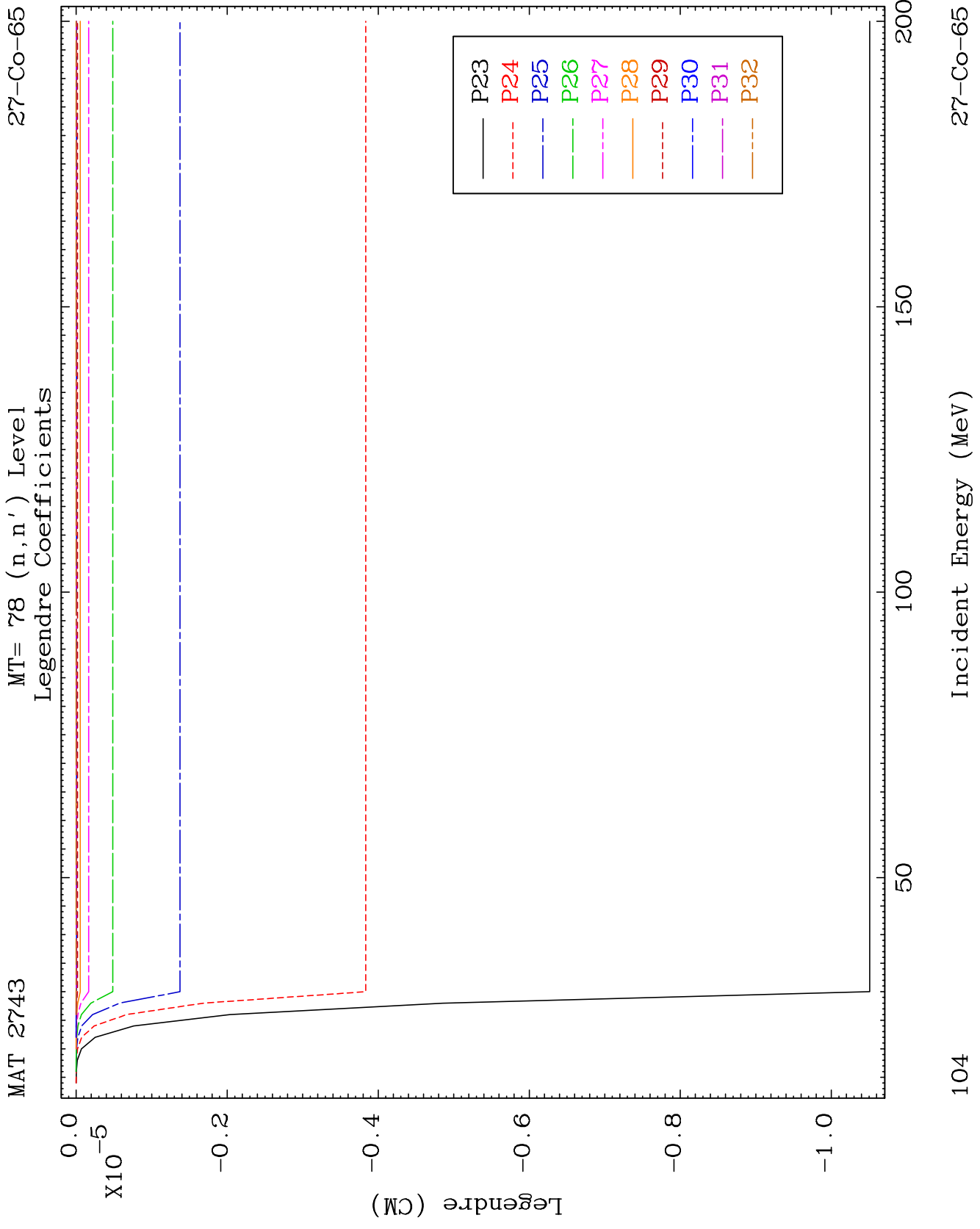
27-Co-65

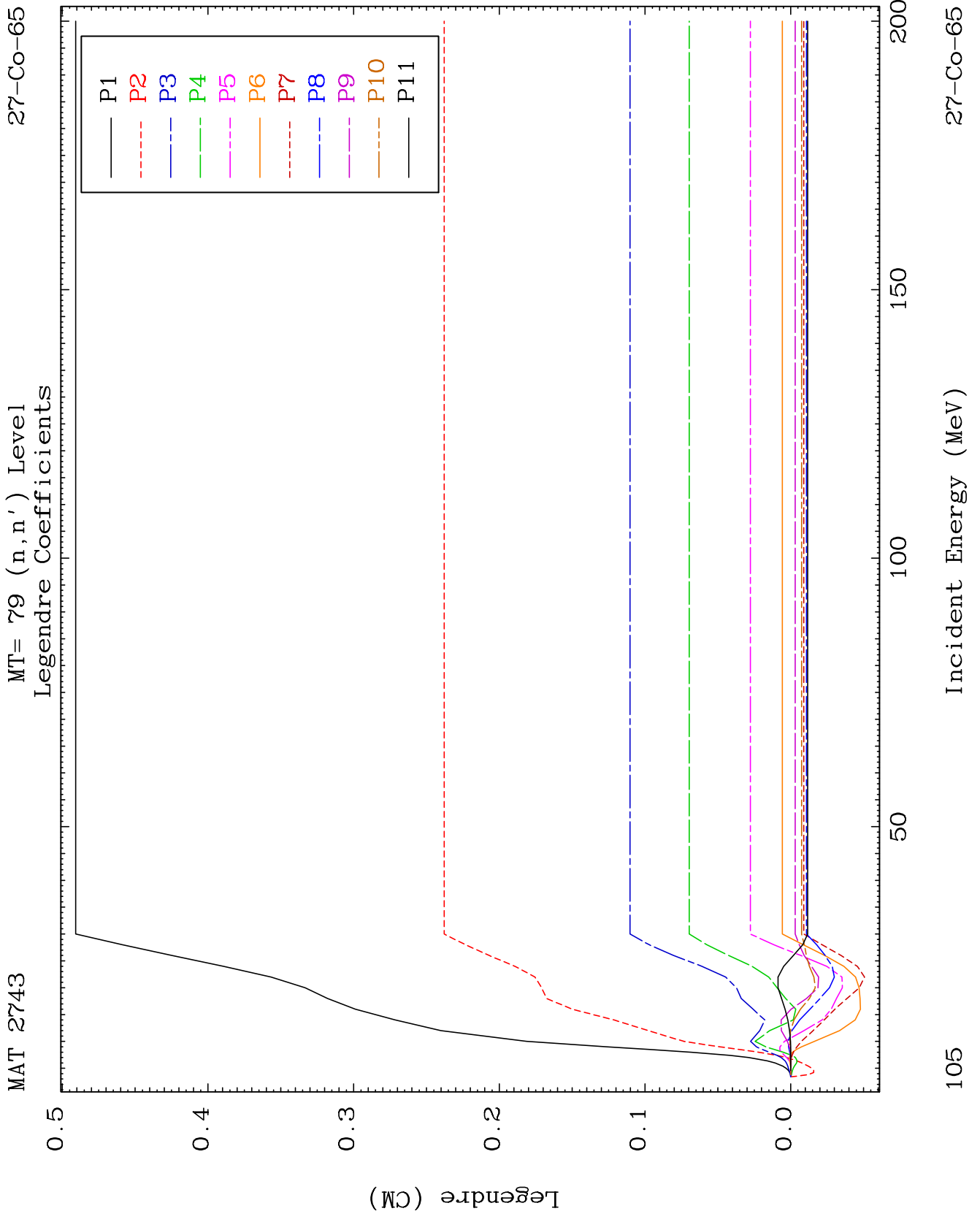
MAT 2743

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

27-Co-65



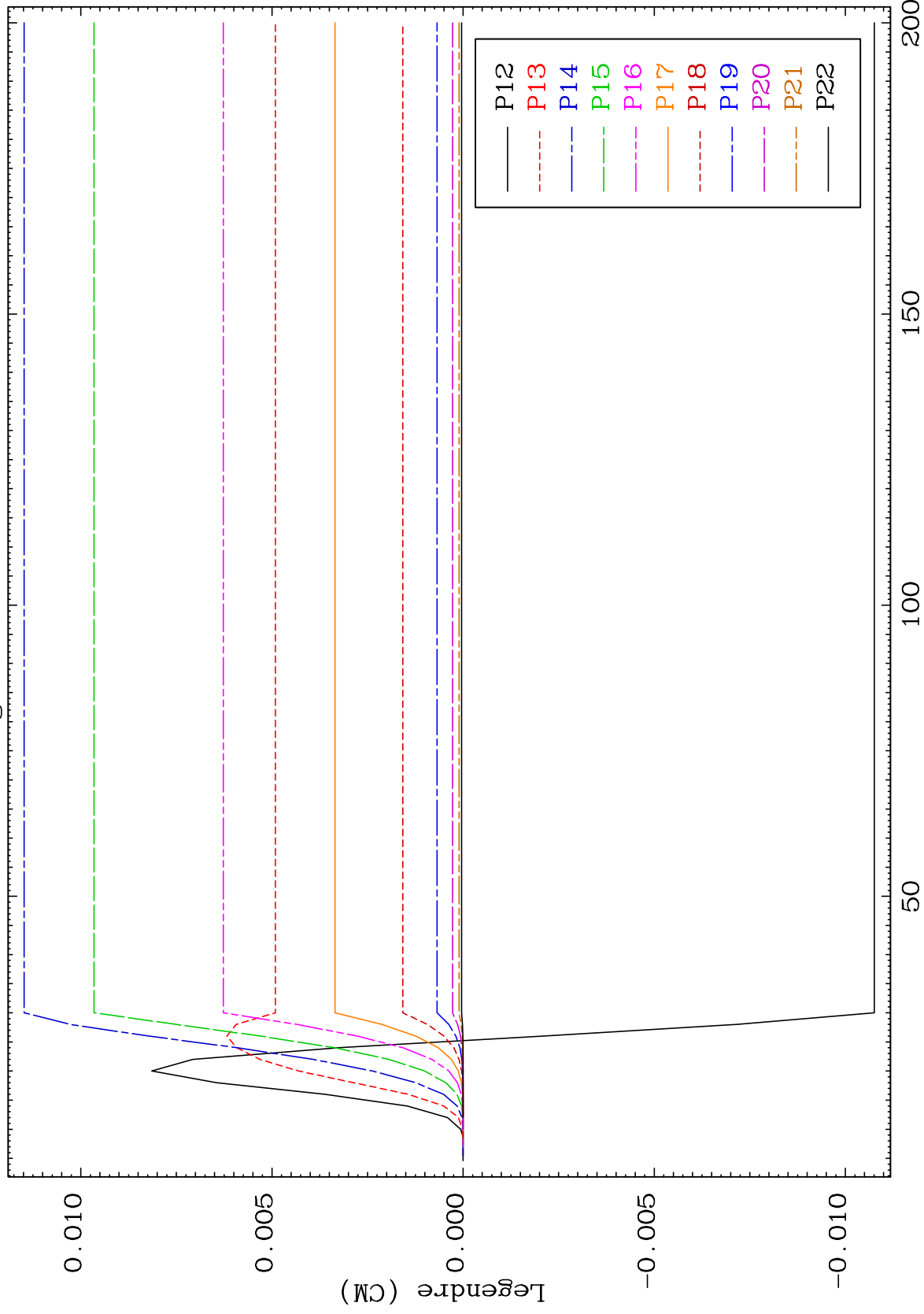




MAT 2743

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

27-Co-65



106

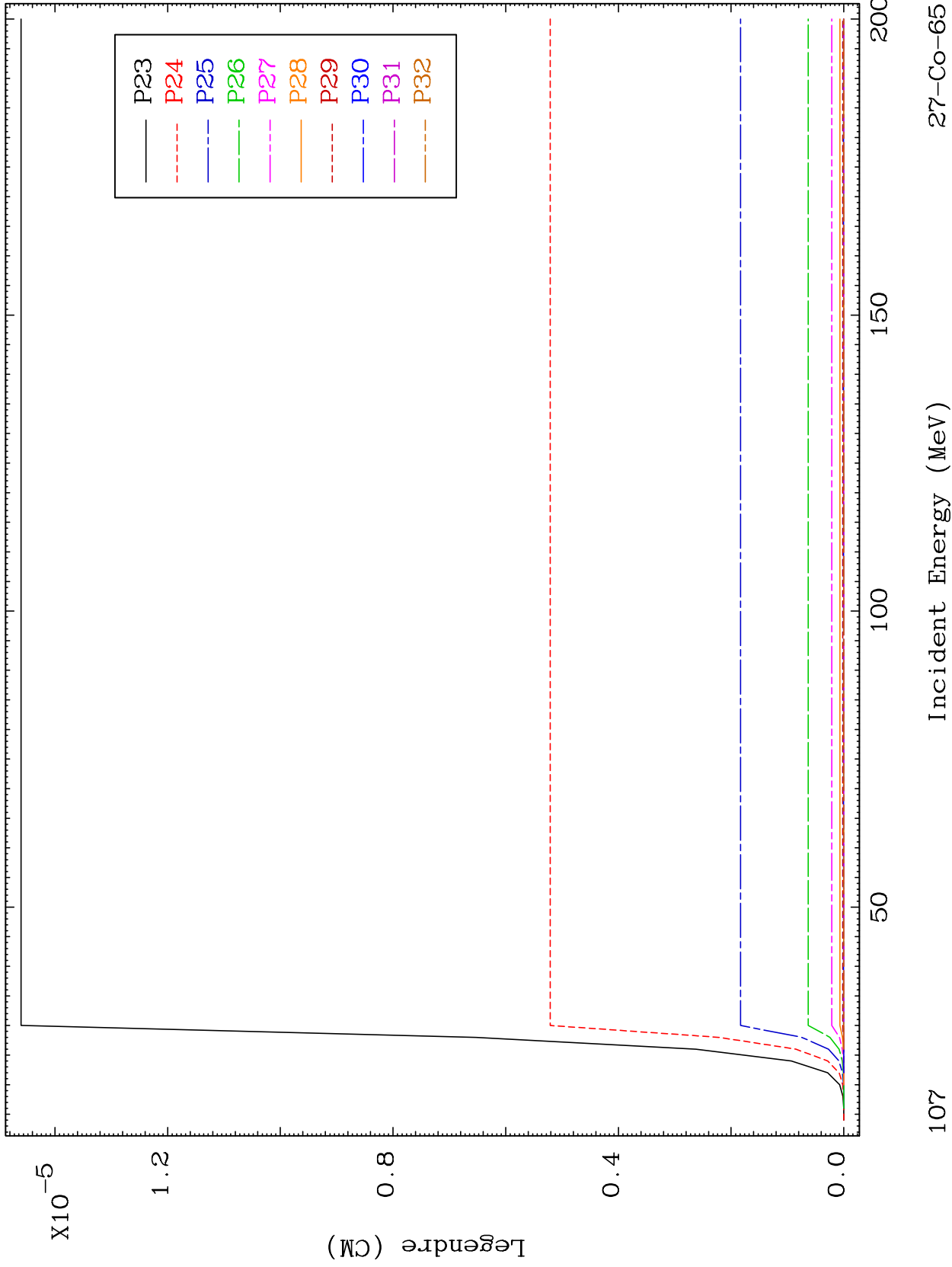
Incident Energy (MeV)

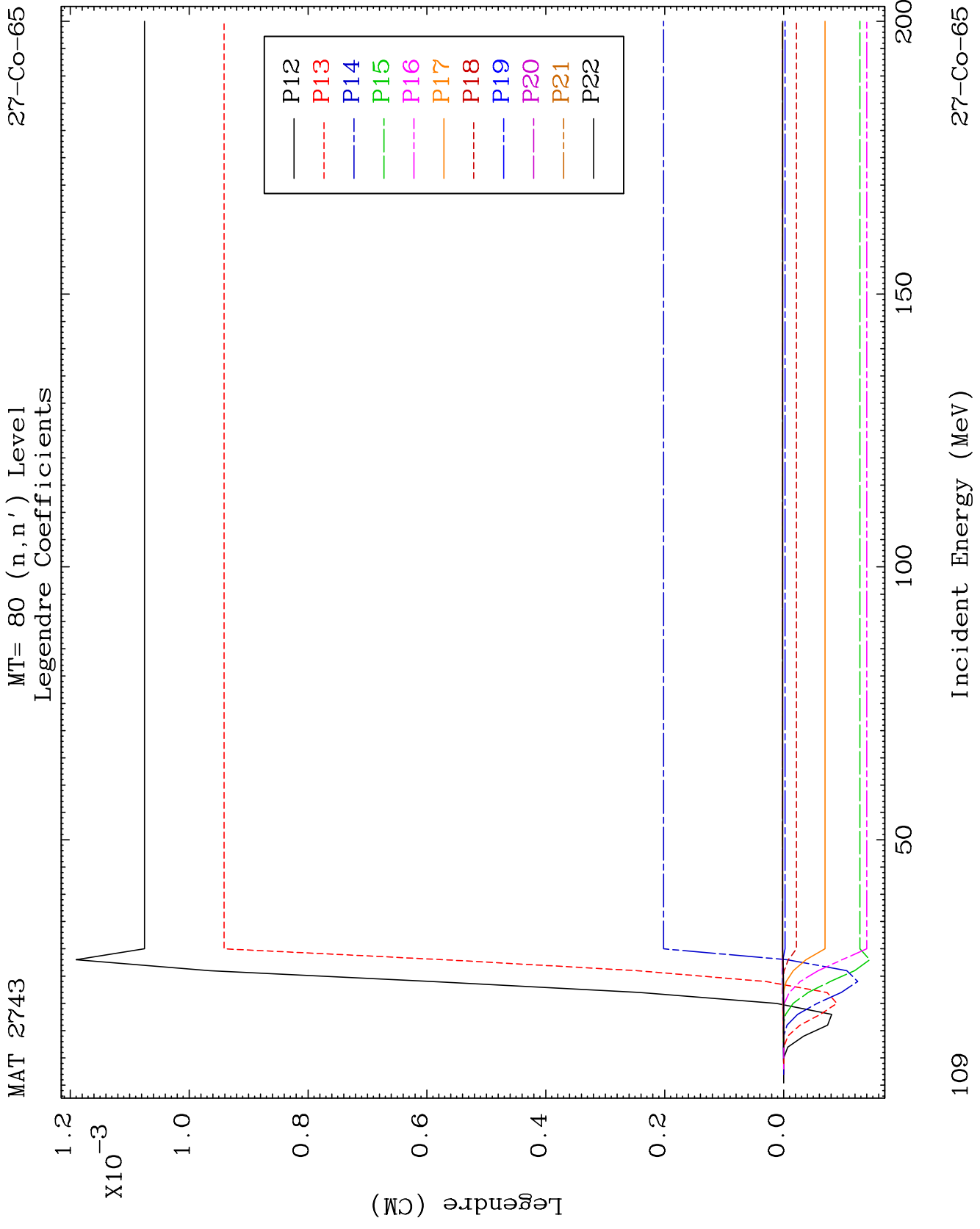
27-Co-65

MAT 2743

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

27-Co-65

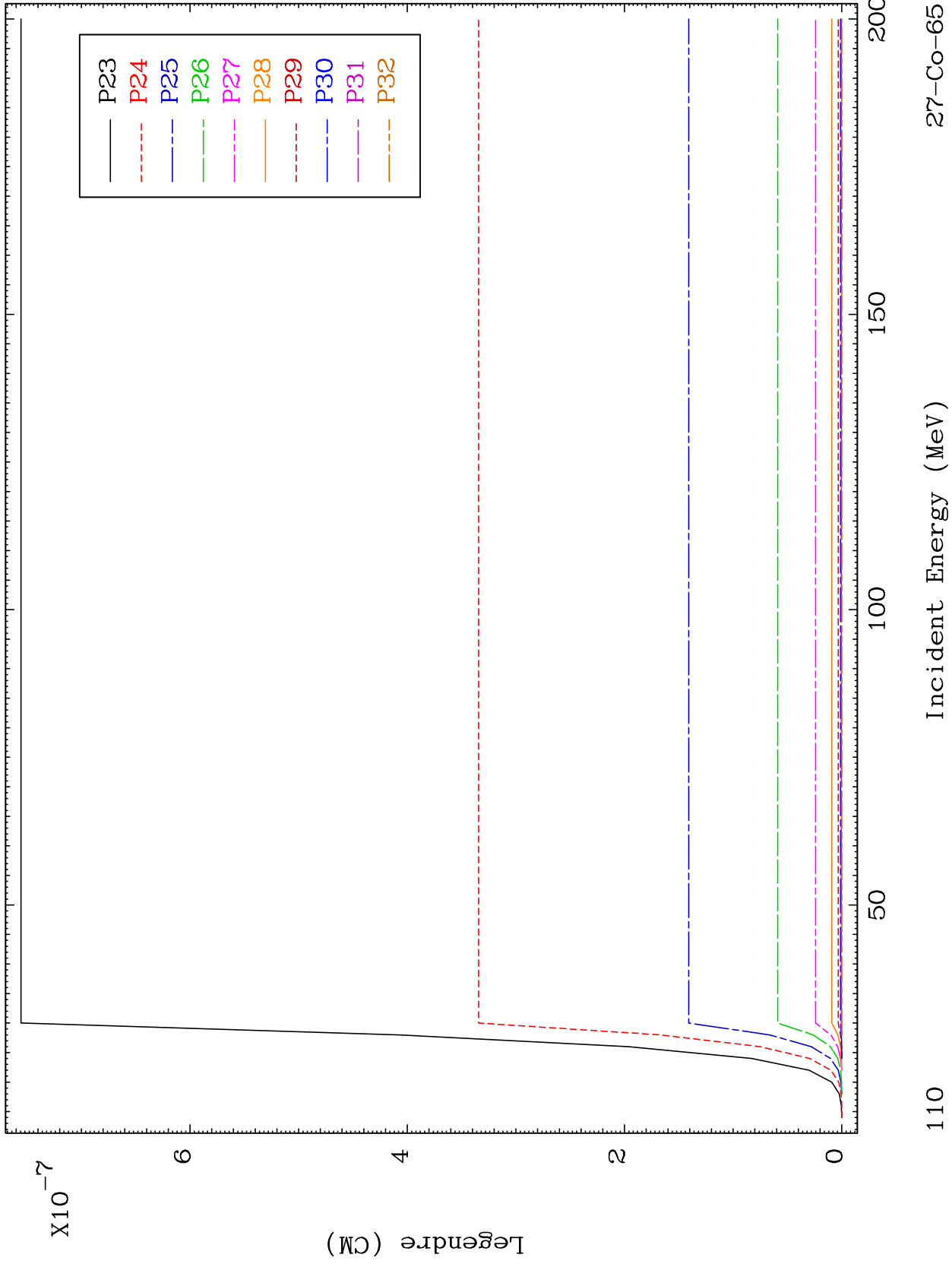




MAT 2743

MT= 80 (n,n') Level
Legendre Coefficients

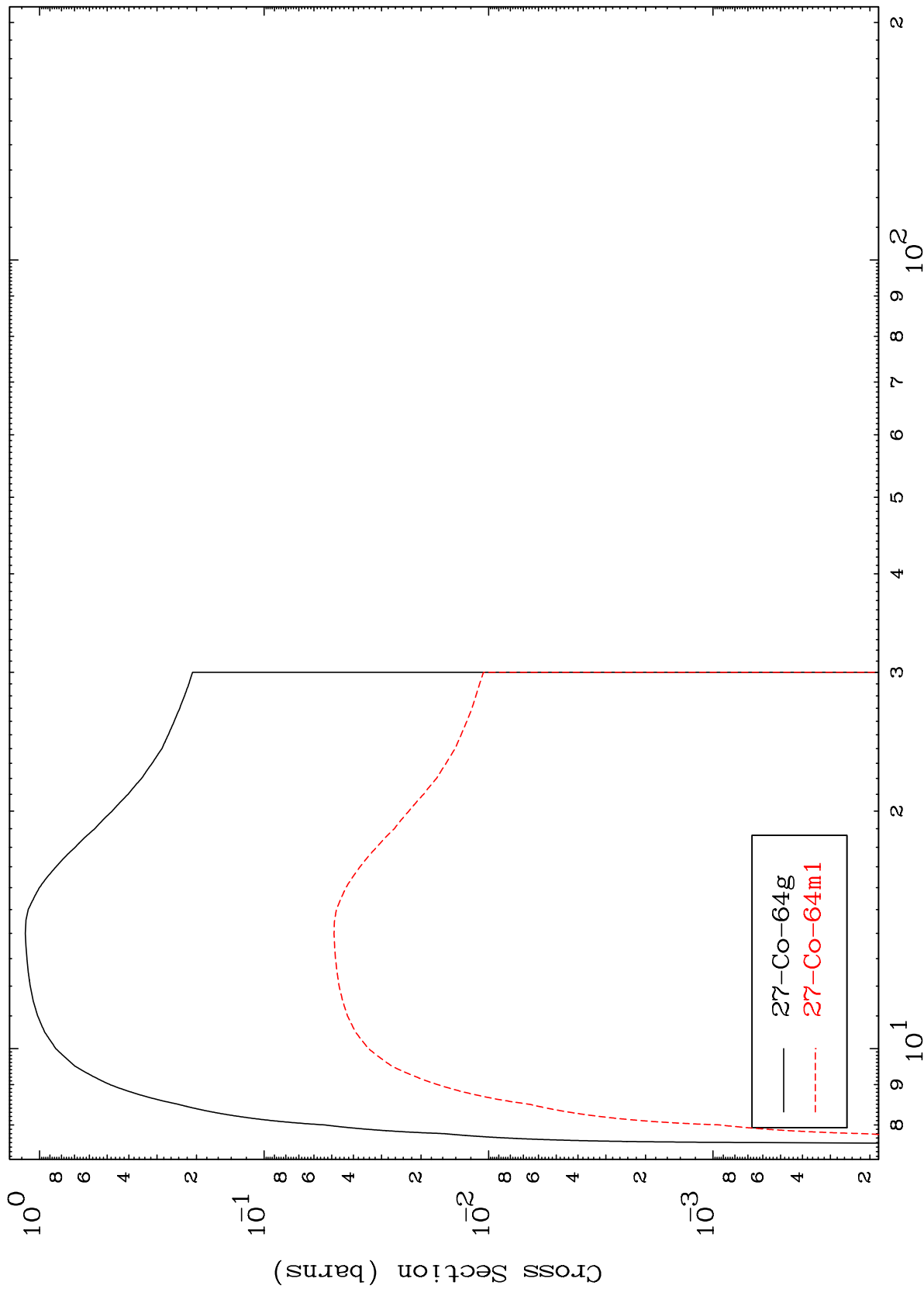
27-Co-65



MAT 2743

27-Co-65

(n,2n)
Radionuclide Production Cross Section

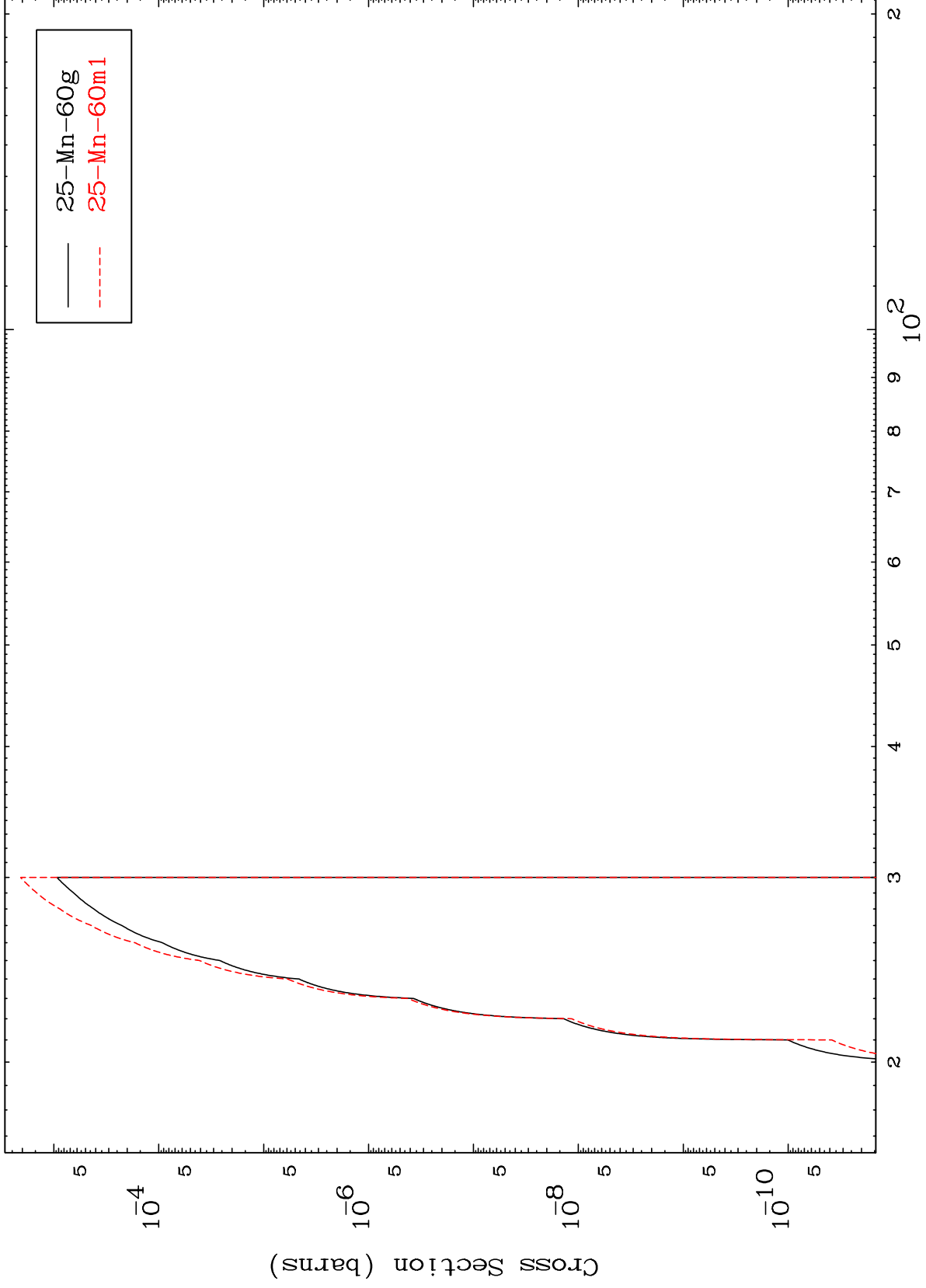


27-Co-65

Incident Energy (MeV)

111

Radionuclide Production Cross Section

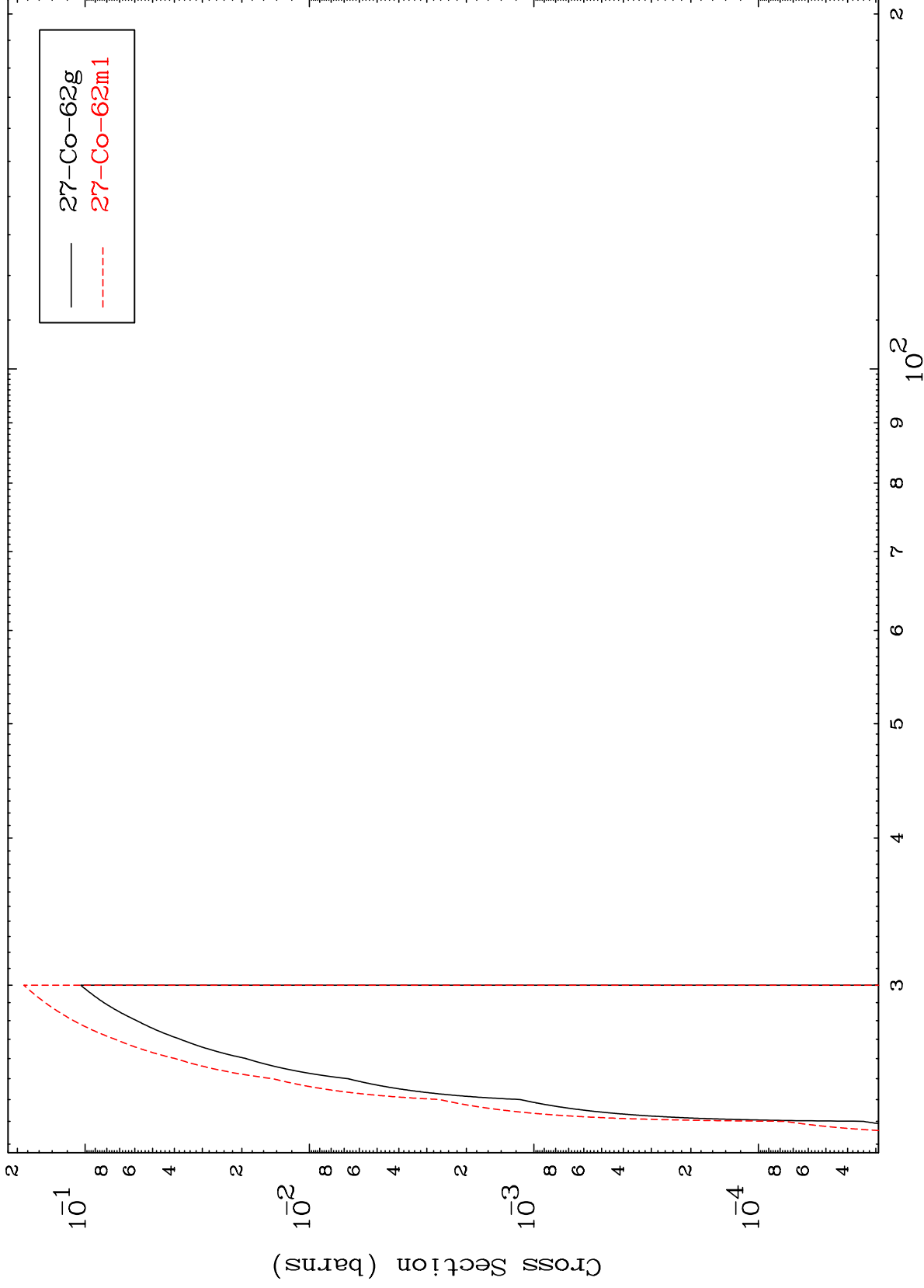


MAT 2743

(n,4n)

²⁷Co-65

Radionuclide Production Cross Section



113

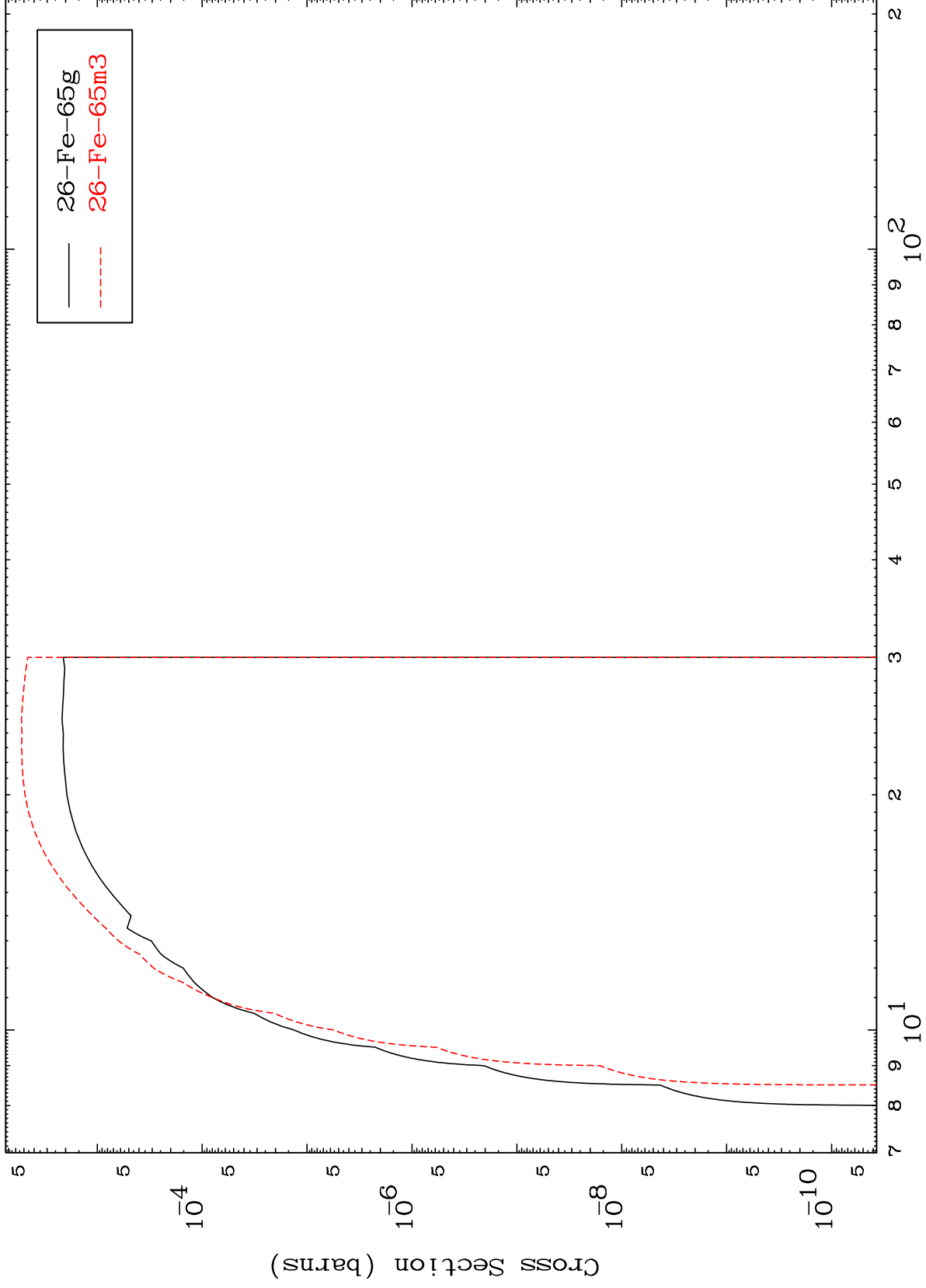
Incident Energy (MeV)

²⁷Co-65

MAT 2743

27-Co-65

(n,p)
Radionuclide Production Cross Section



Incident Energy (MeV)

27-Co-65

114