

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

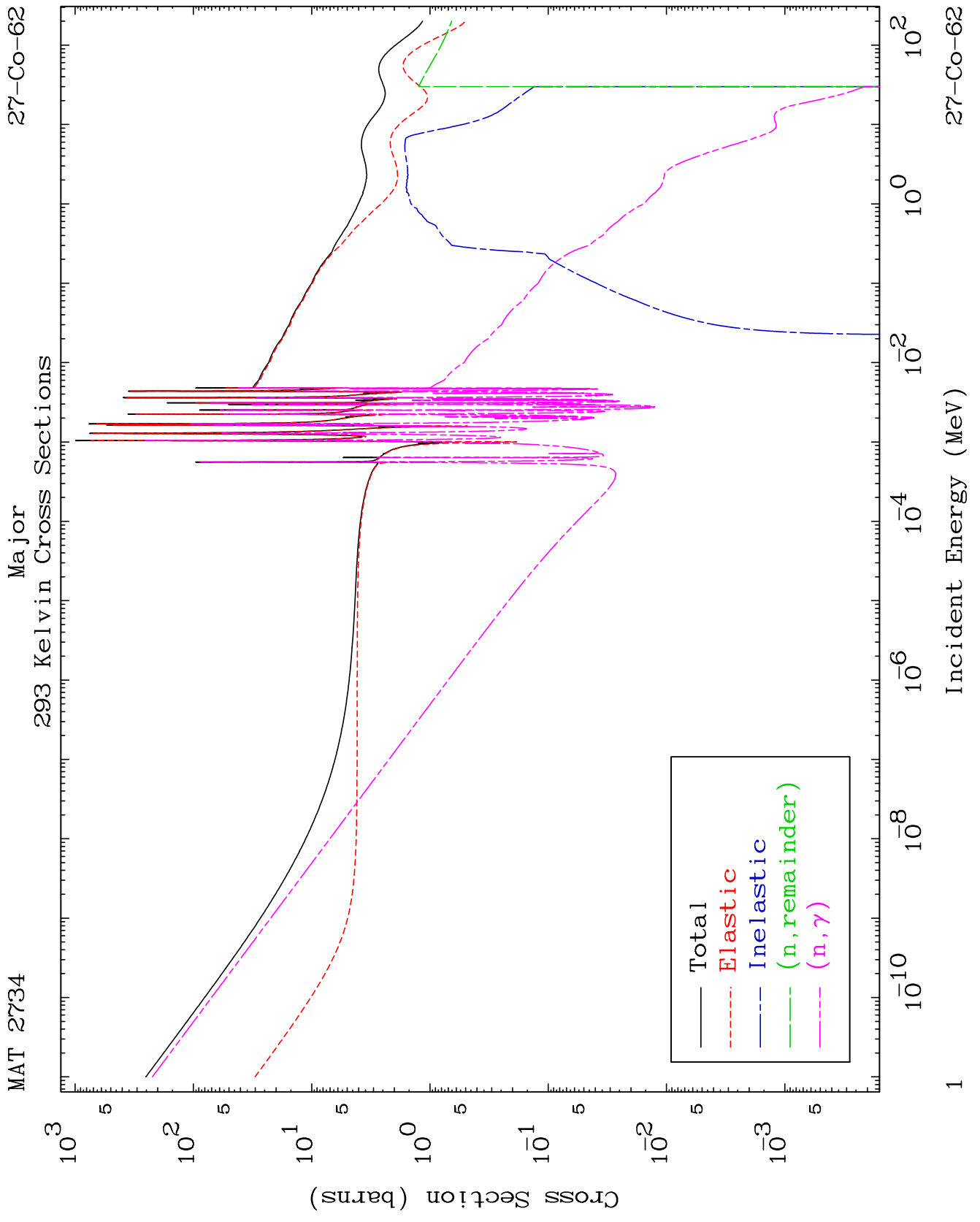
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

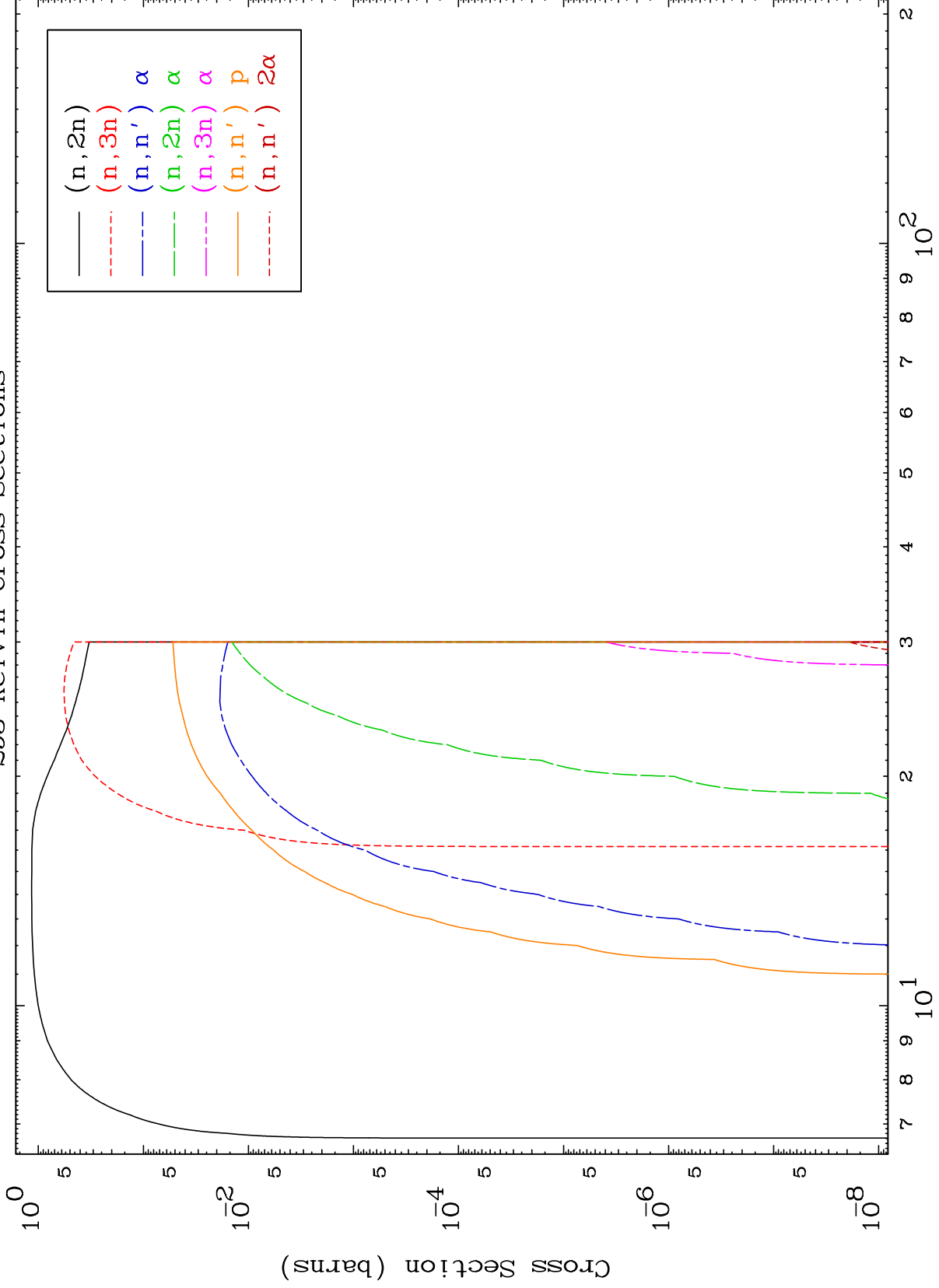
Press Mouse Button to Start



MAT 2734

Neutron Production
293 Kelvin Cross Sections

27-Co-62



2

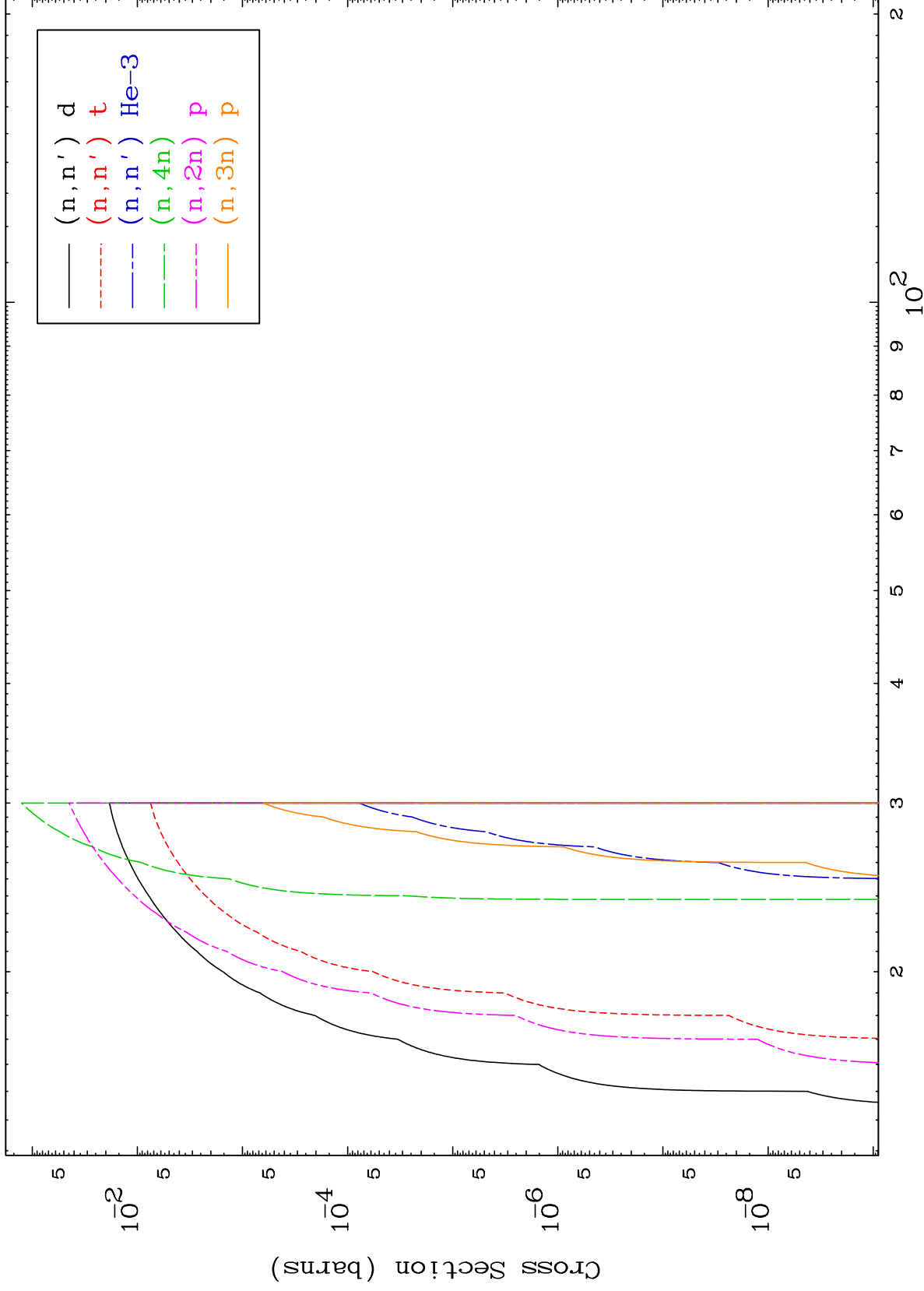
Incident Energy (MeV)

27-Co-62

MAT 2734

Neutron Production
293 Kelvin Cross Sections

27-Co-62



3

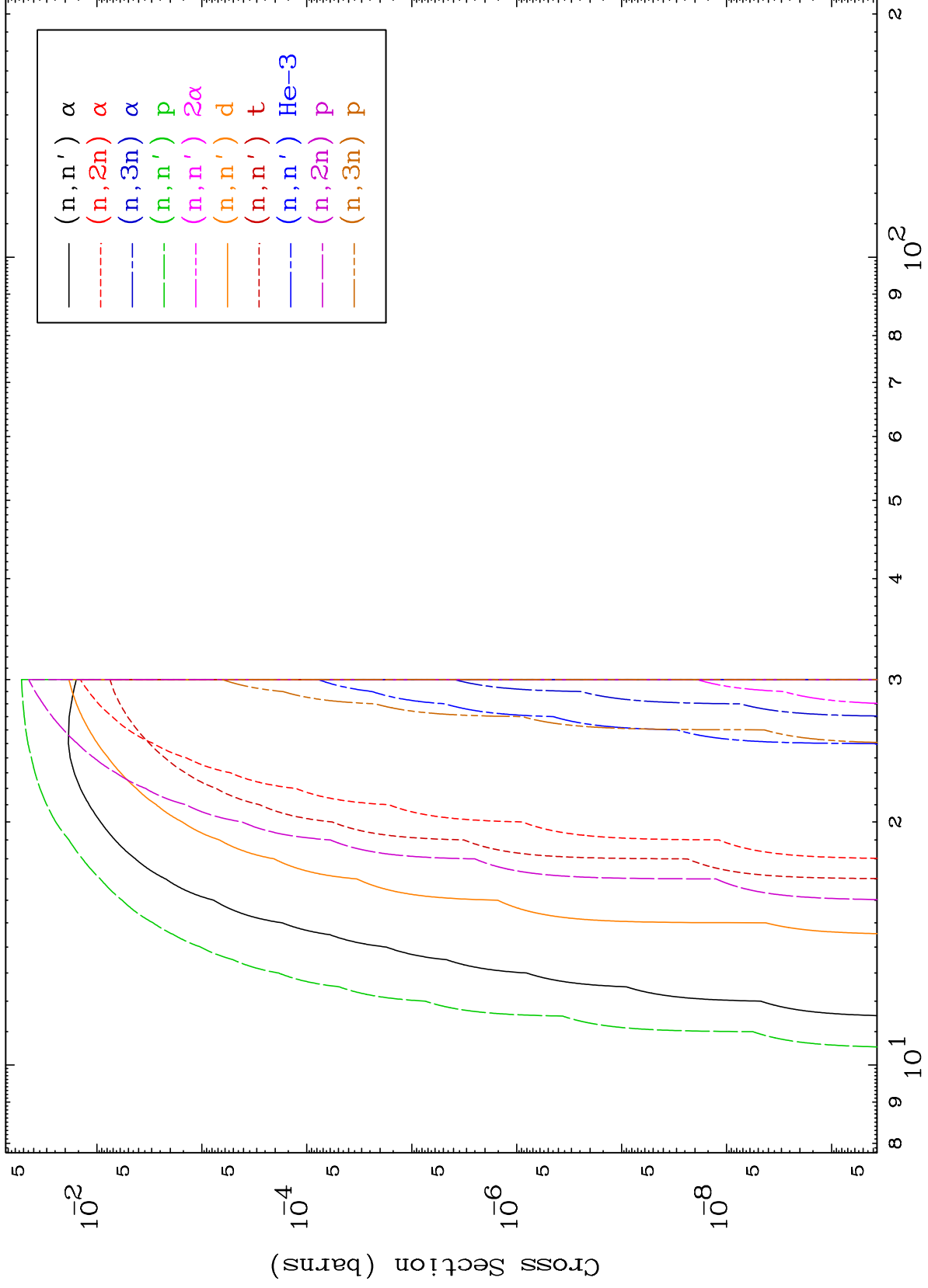
Incident Energy (MeV)

27-Co-62

MAT 2734

Charged Particle
293 Kelvin Cross Sections

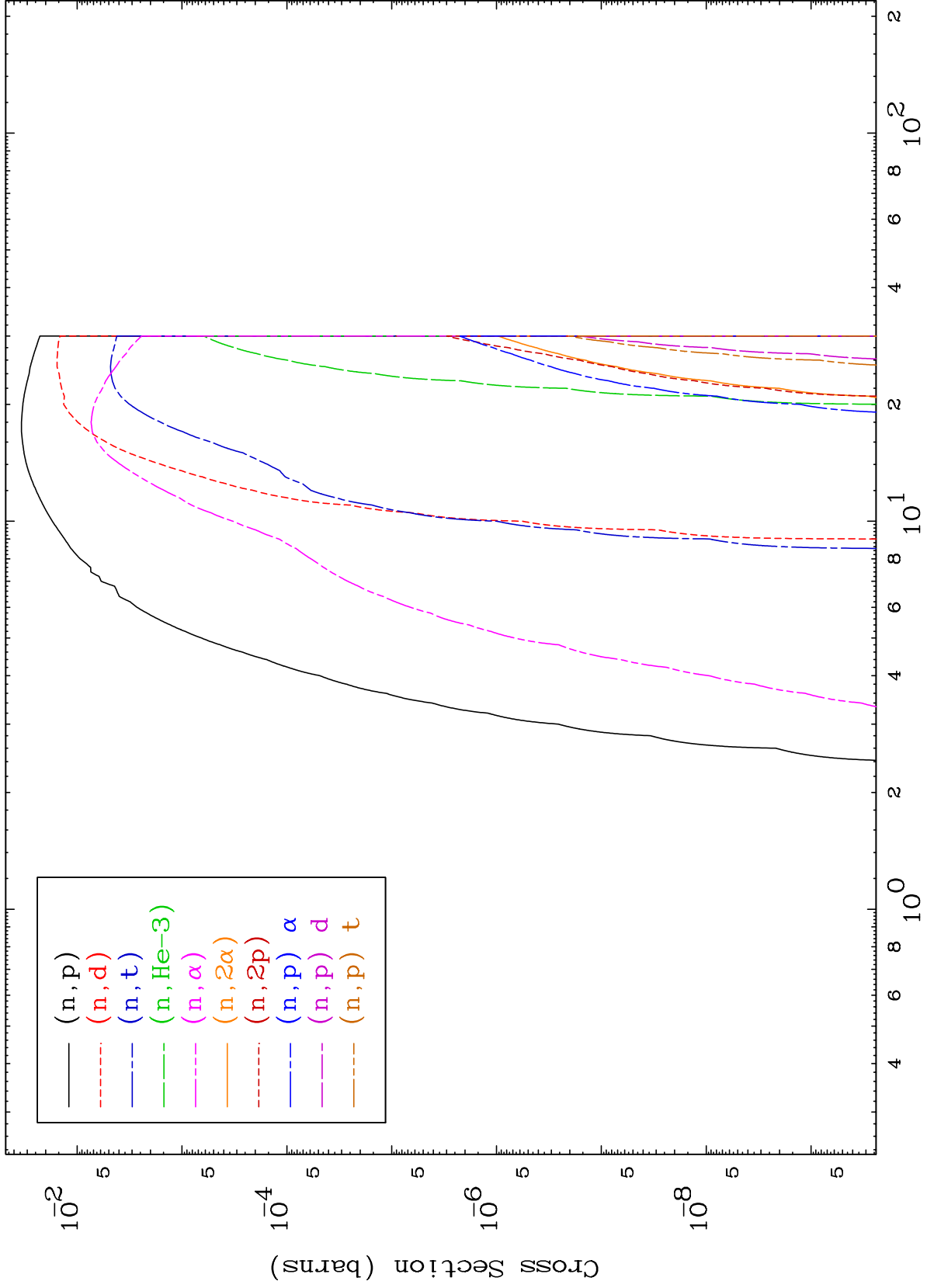
27-Co-62



Incident Energy (MeV)

27-Co-62

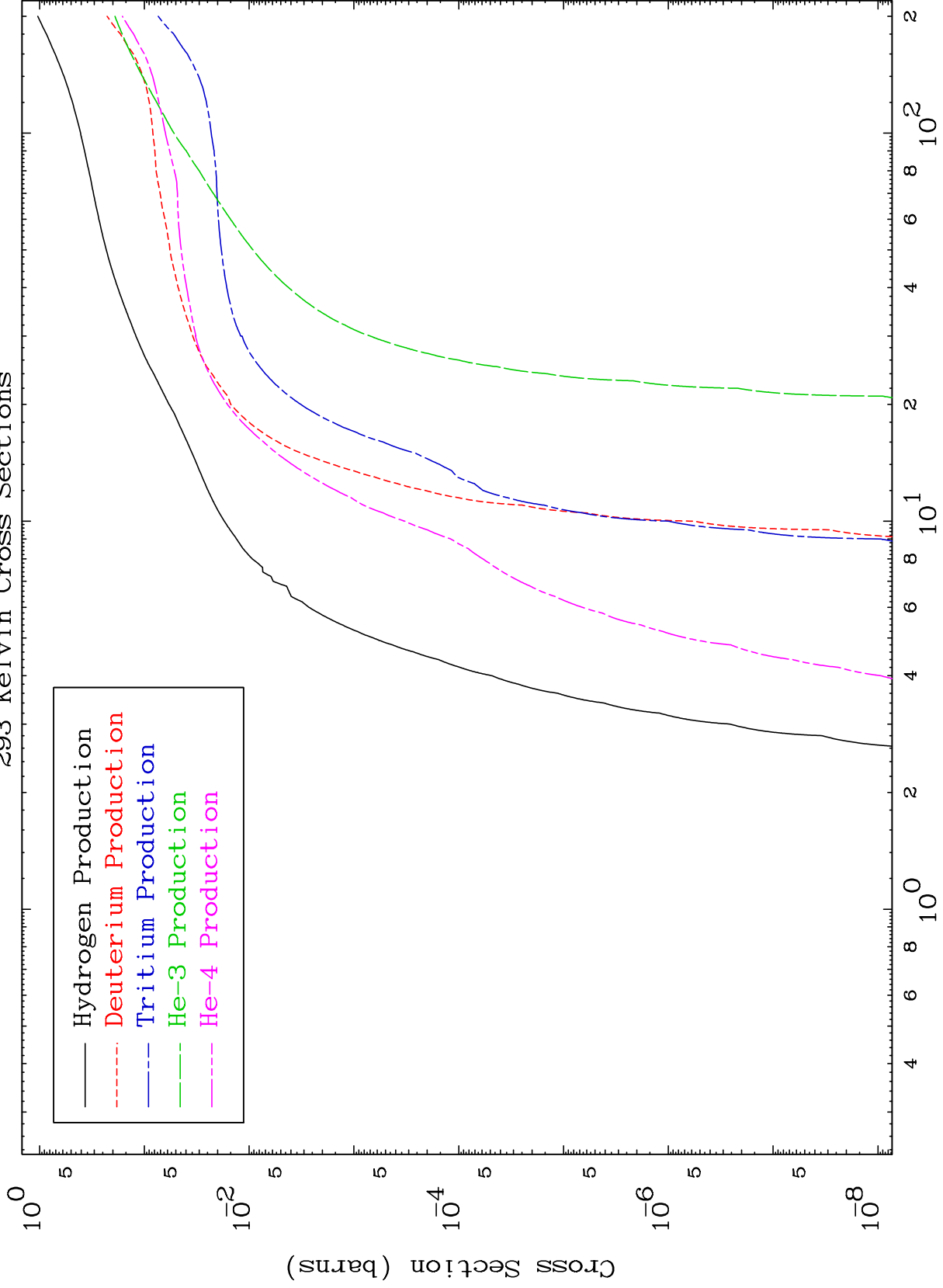
4



MAT 2734

Particle Production
293 Kelvin Cross Sections

27-Co-62



6

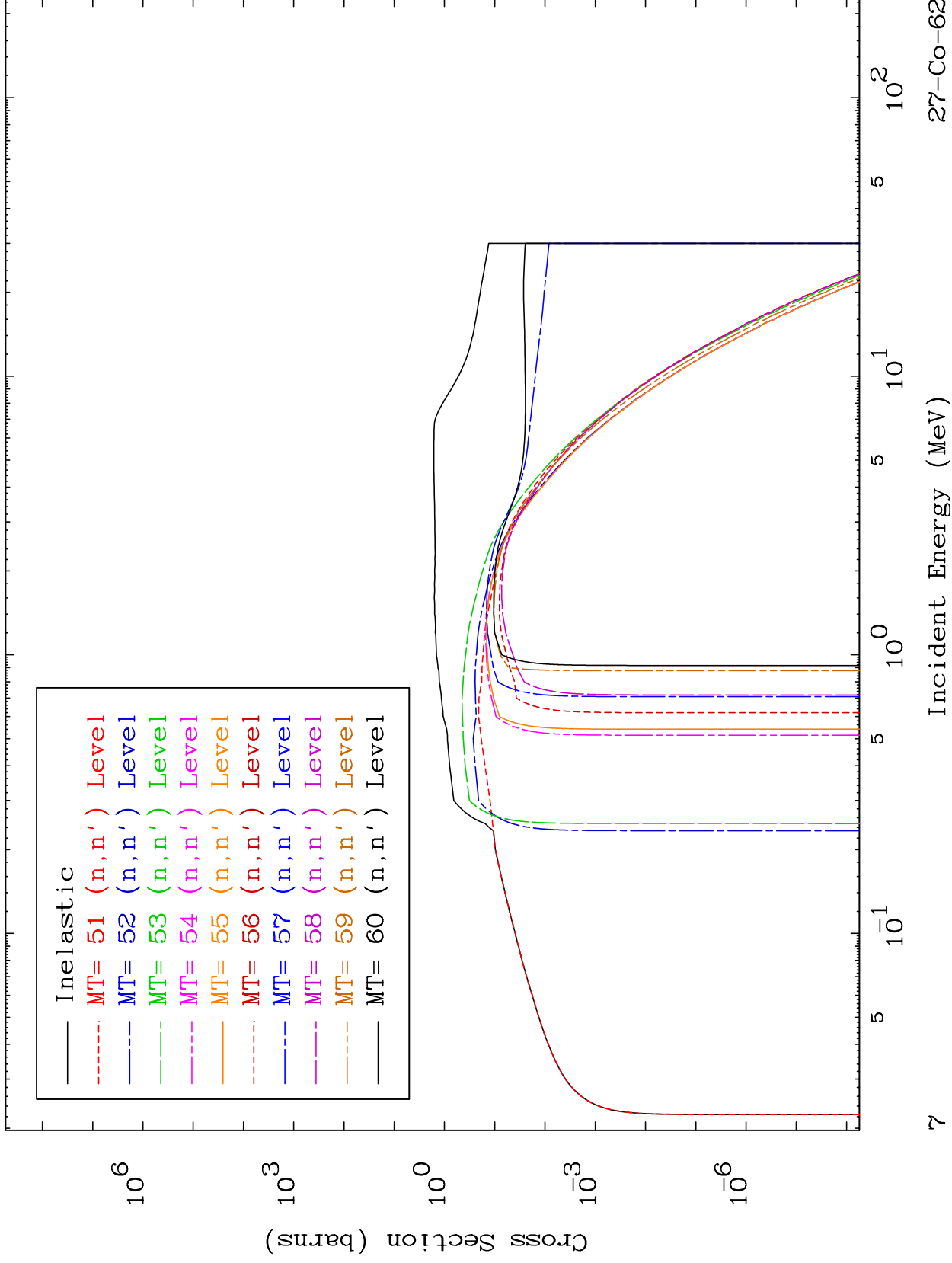
Incident Energy (MeV)

27-Co-62

MAT 2734

(n,n') Level
293 Kelvin Cross Sections

27-Co-62

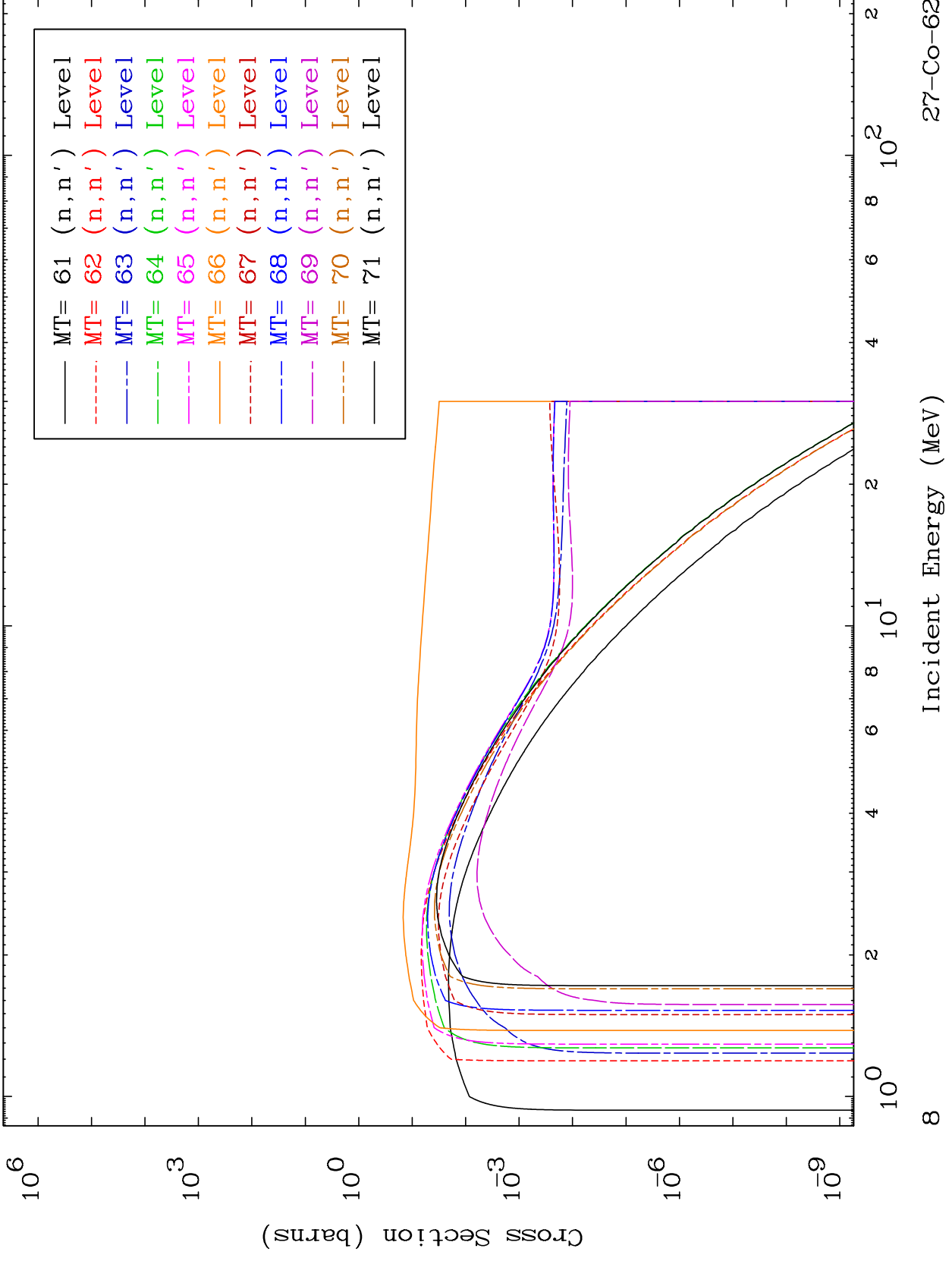


MAT 2734

(n,n') Level

27-Co-62

293 Kelvin Cross Sections



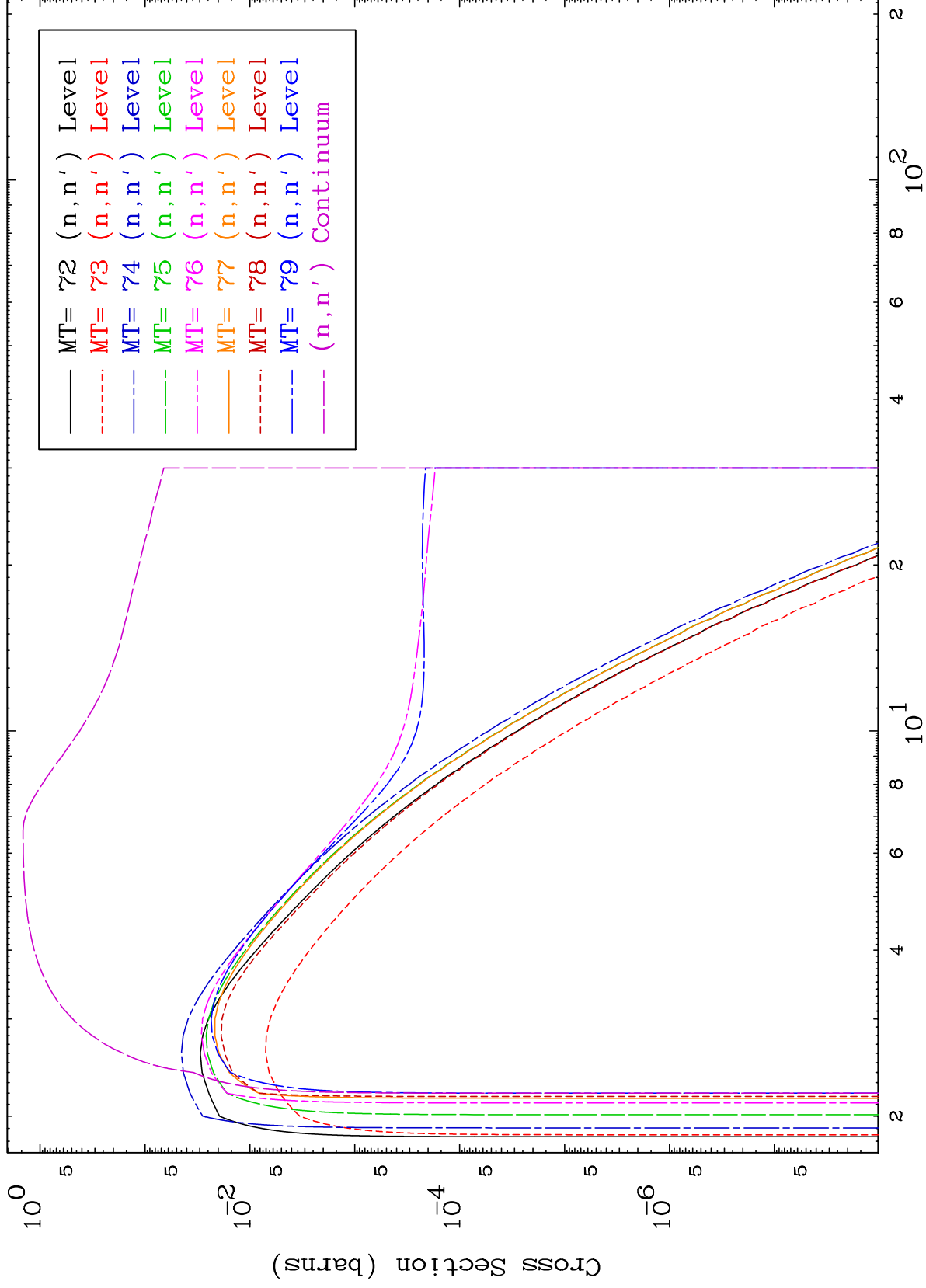
27-Co-62

MAT 2734

(n,n') Level

293 Kelvin Cross Sections

27-Co-62



9

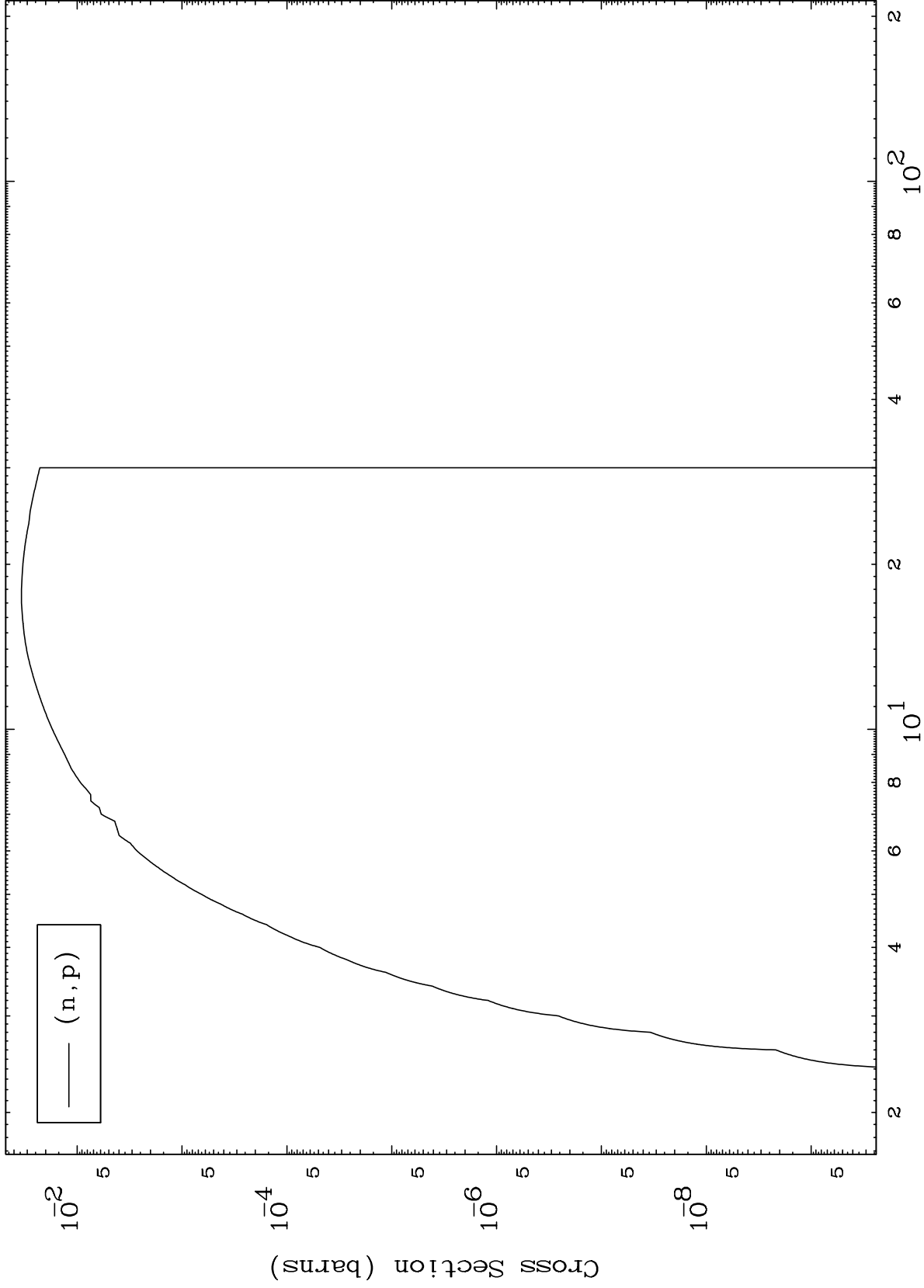
Incident Energy (MeV)

27-Co-62

MAT 2734

(n,p) Levels
293 Kelvin Cross Sections

27-Co-62



10

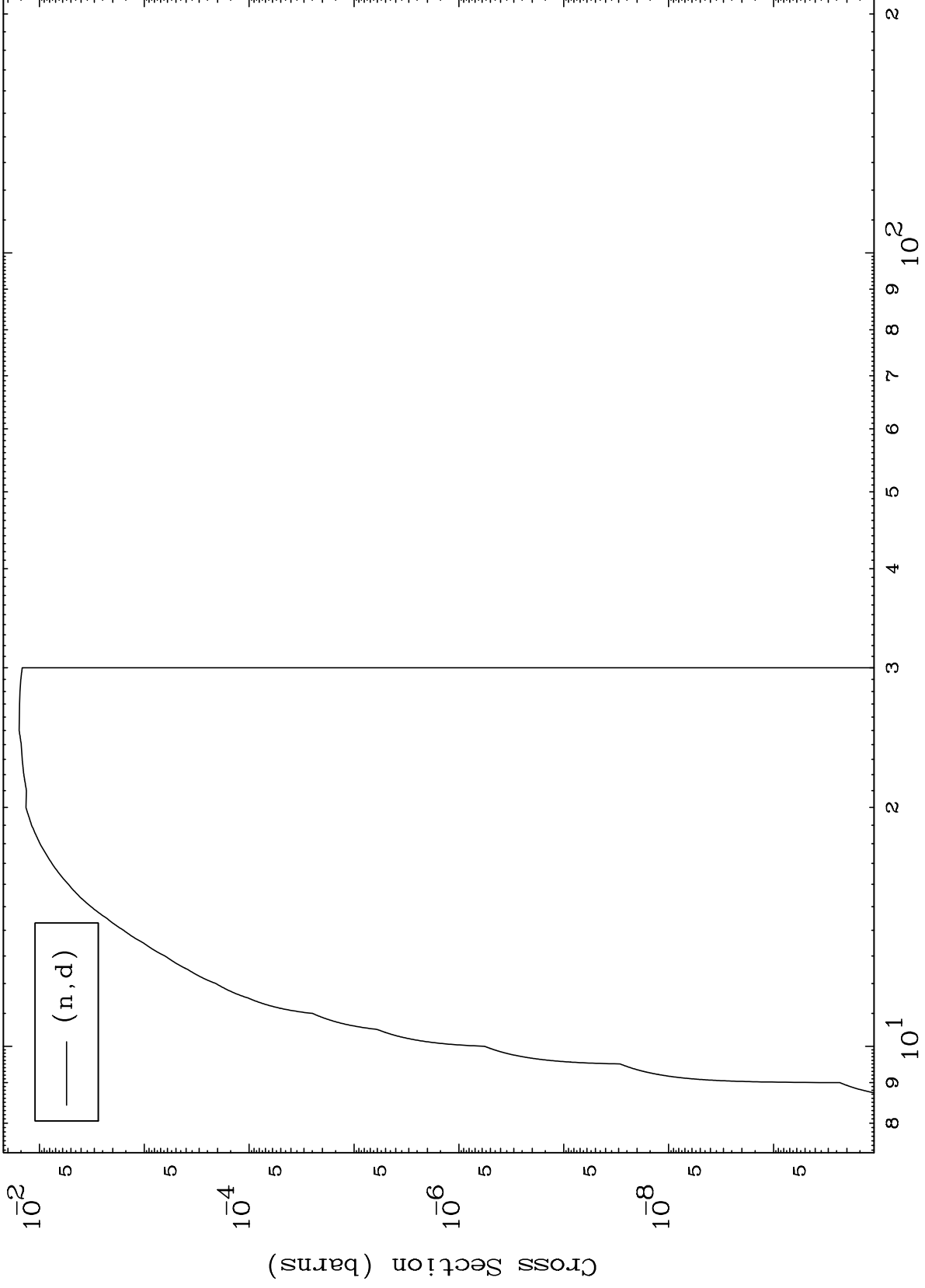
Incident Energy (MeV)

27-Co-62

MAT 2734

(n,d) Levels
293 Kelvin Cross Sections

27-Co-62



11

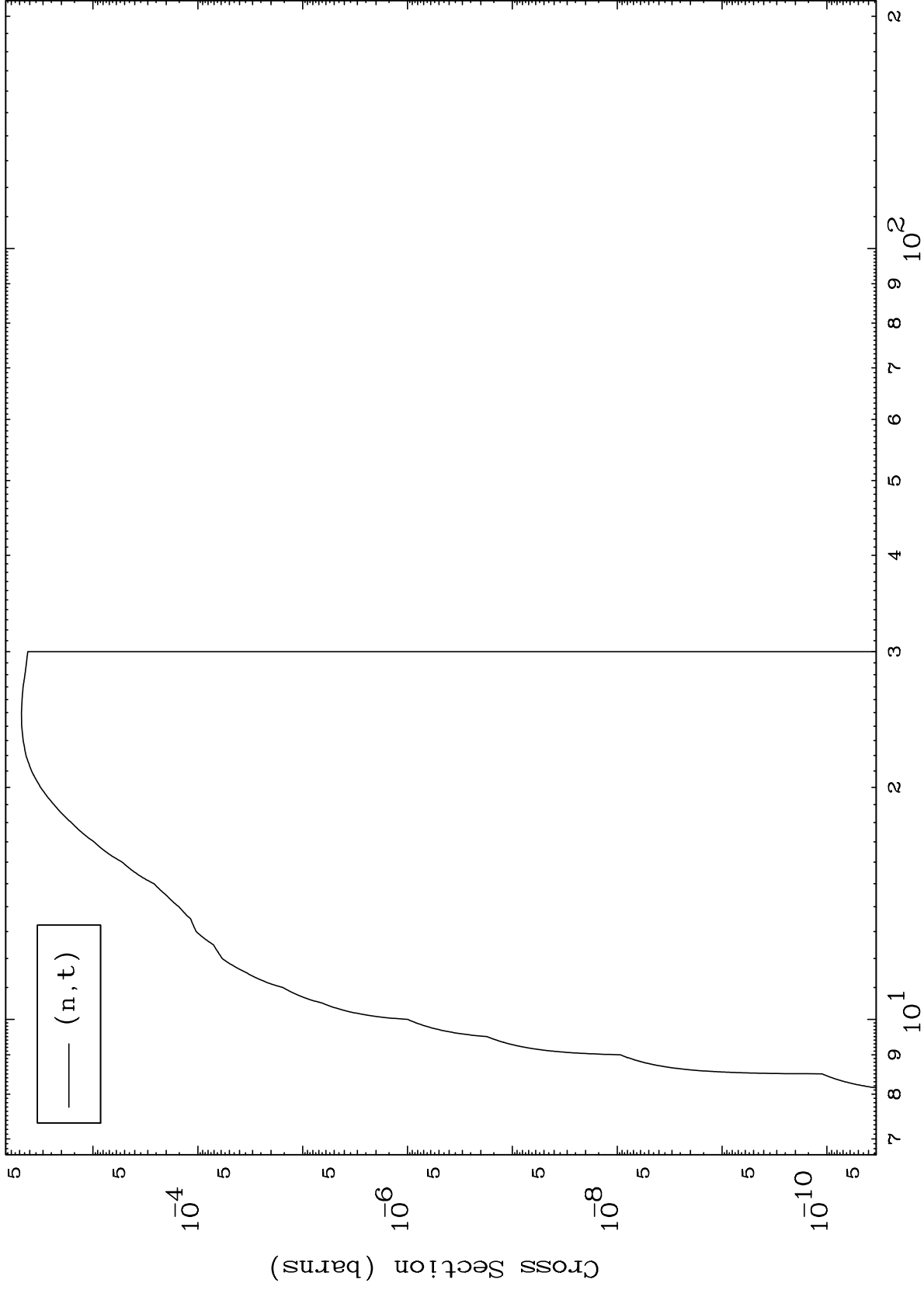
Incident Energy (MeV)

27-Co-62

MAT 2734

(n,t) Levels
293 Kelvin Cross Sections

27-Co-62



12

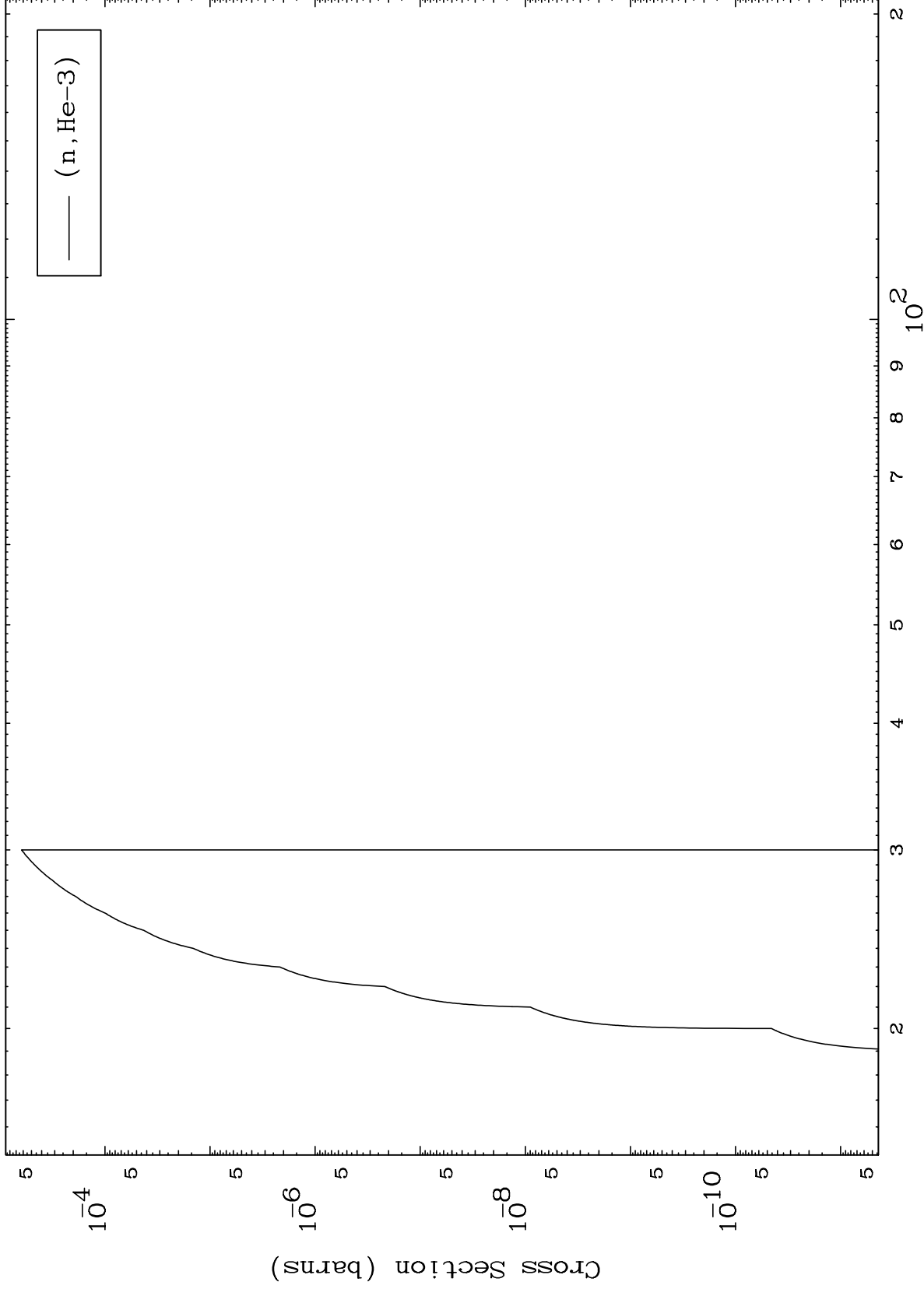
Incident Energy (MeV)

27-Co-62

MAT 2734

(n,He3) Levels
293 Kelvin Cross Sections

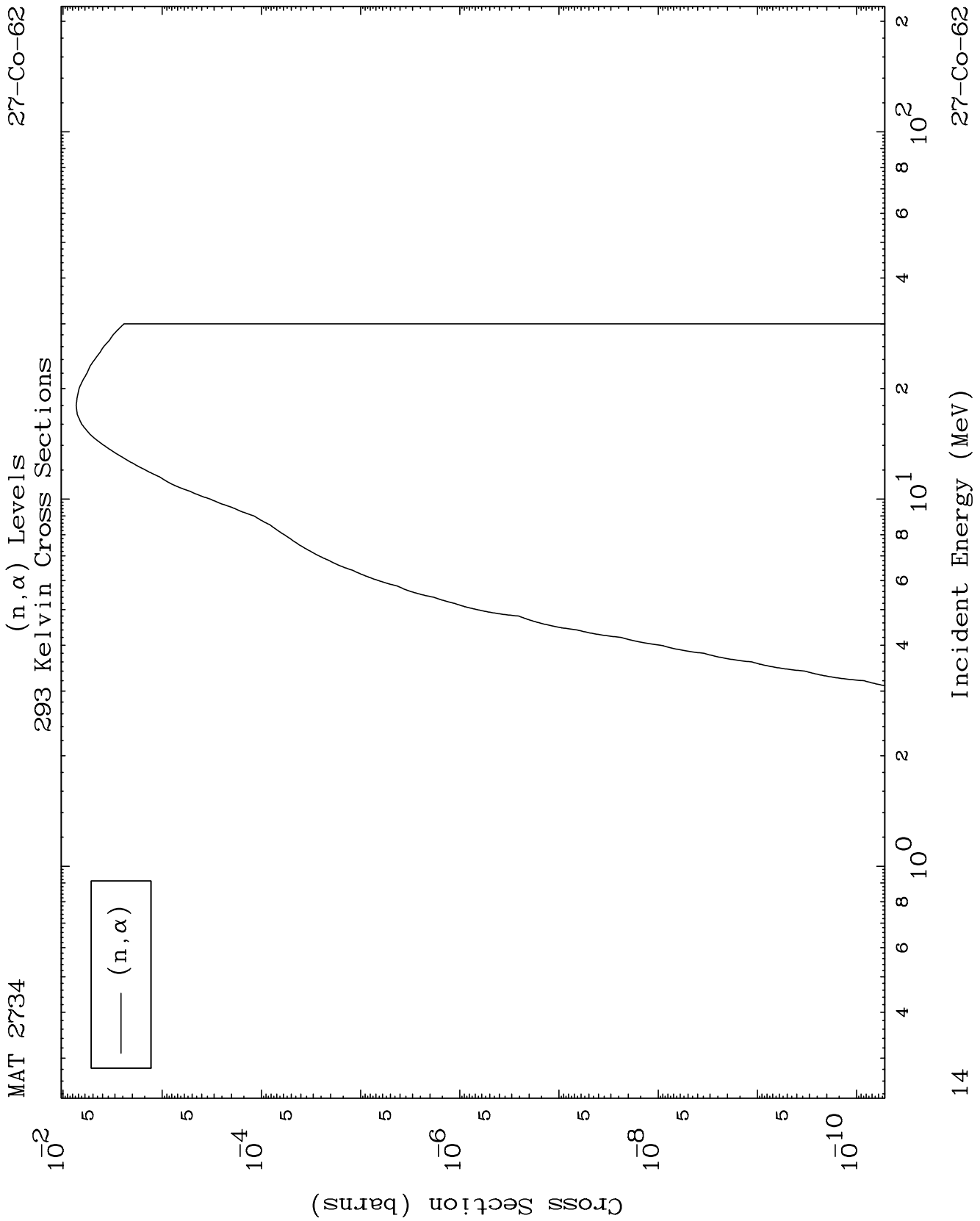
27-Co-62

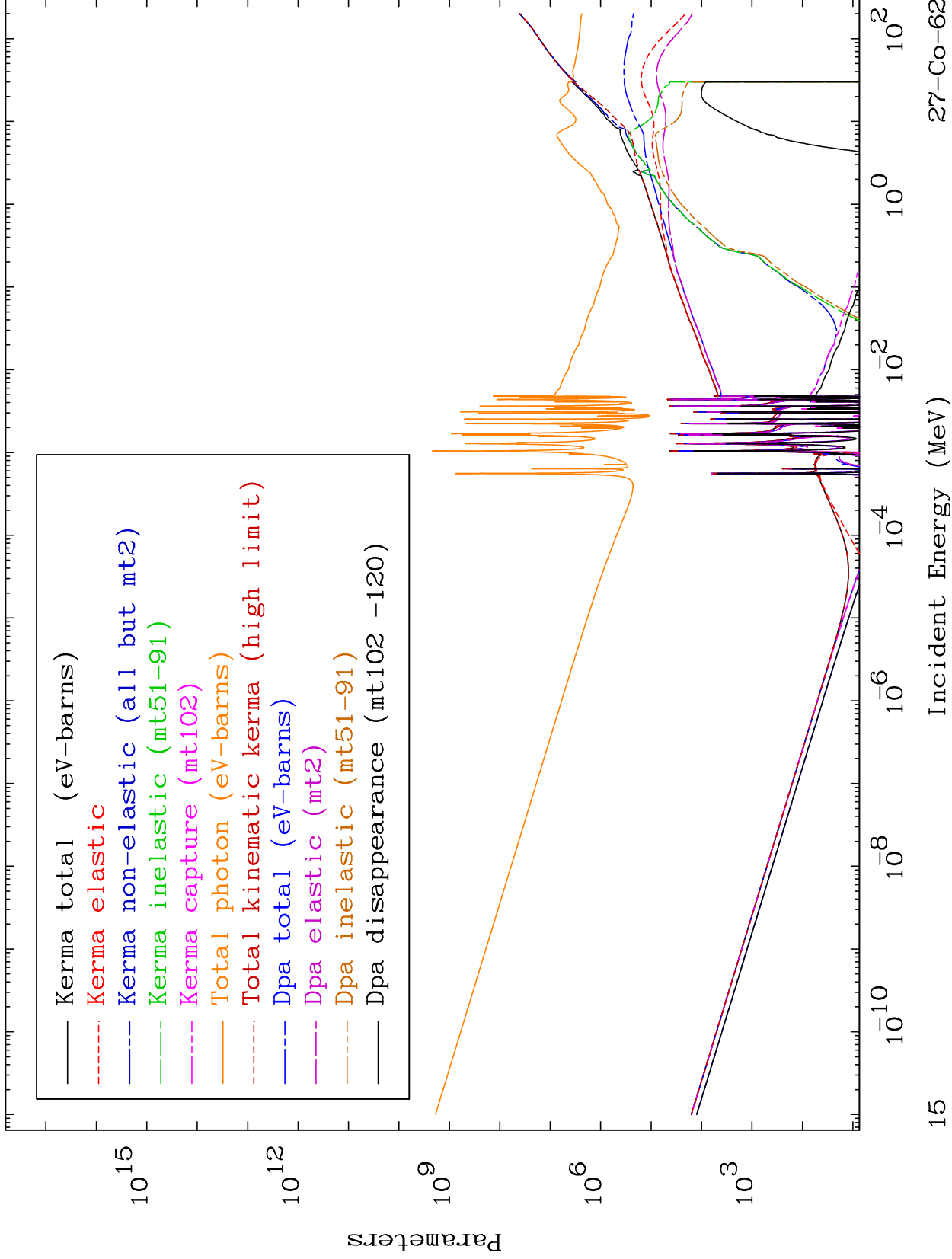


13

Incident Energy (MeV)

27-Co-62

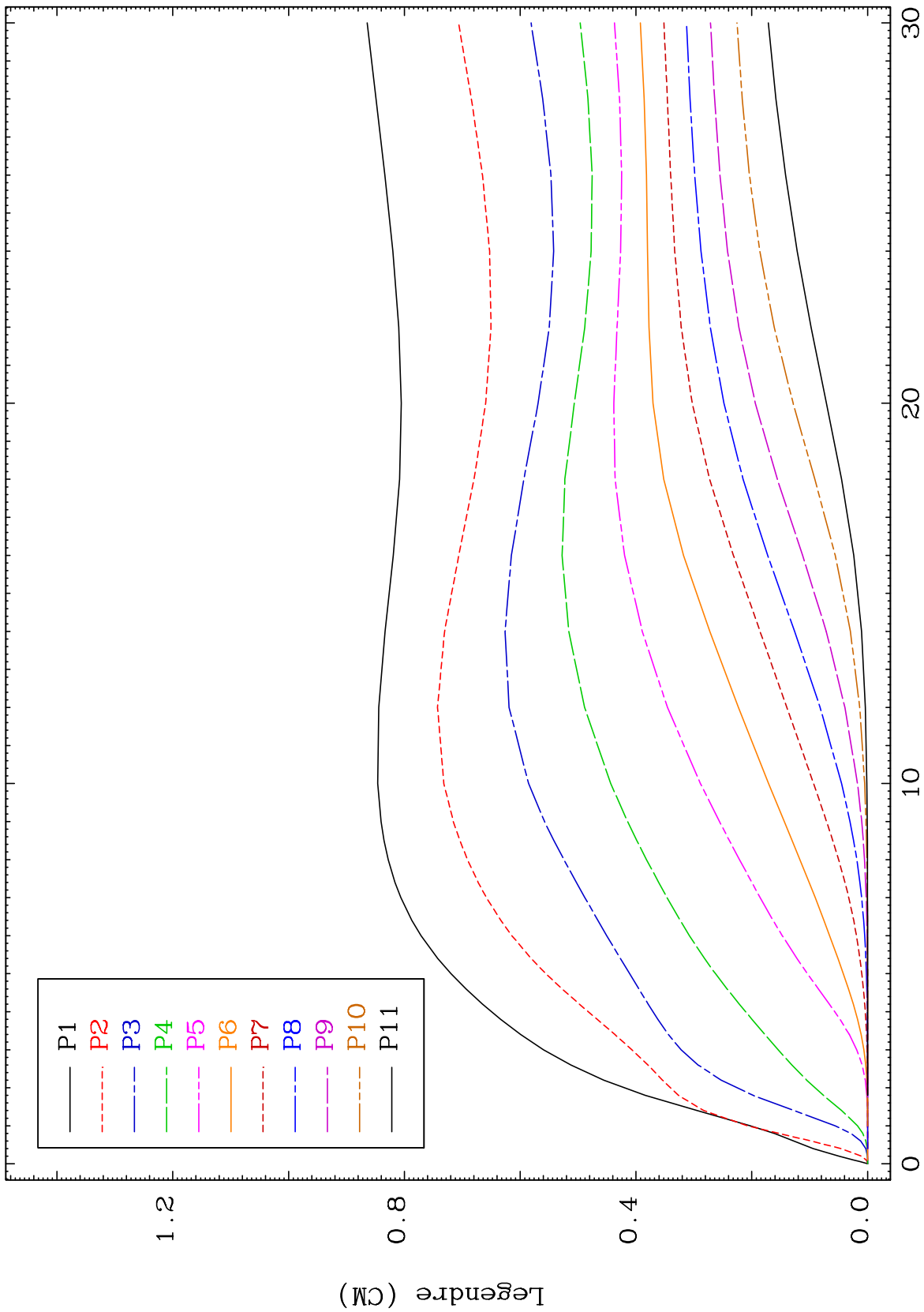




MAT 2734

Elastic Legendre Coefficients

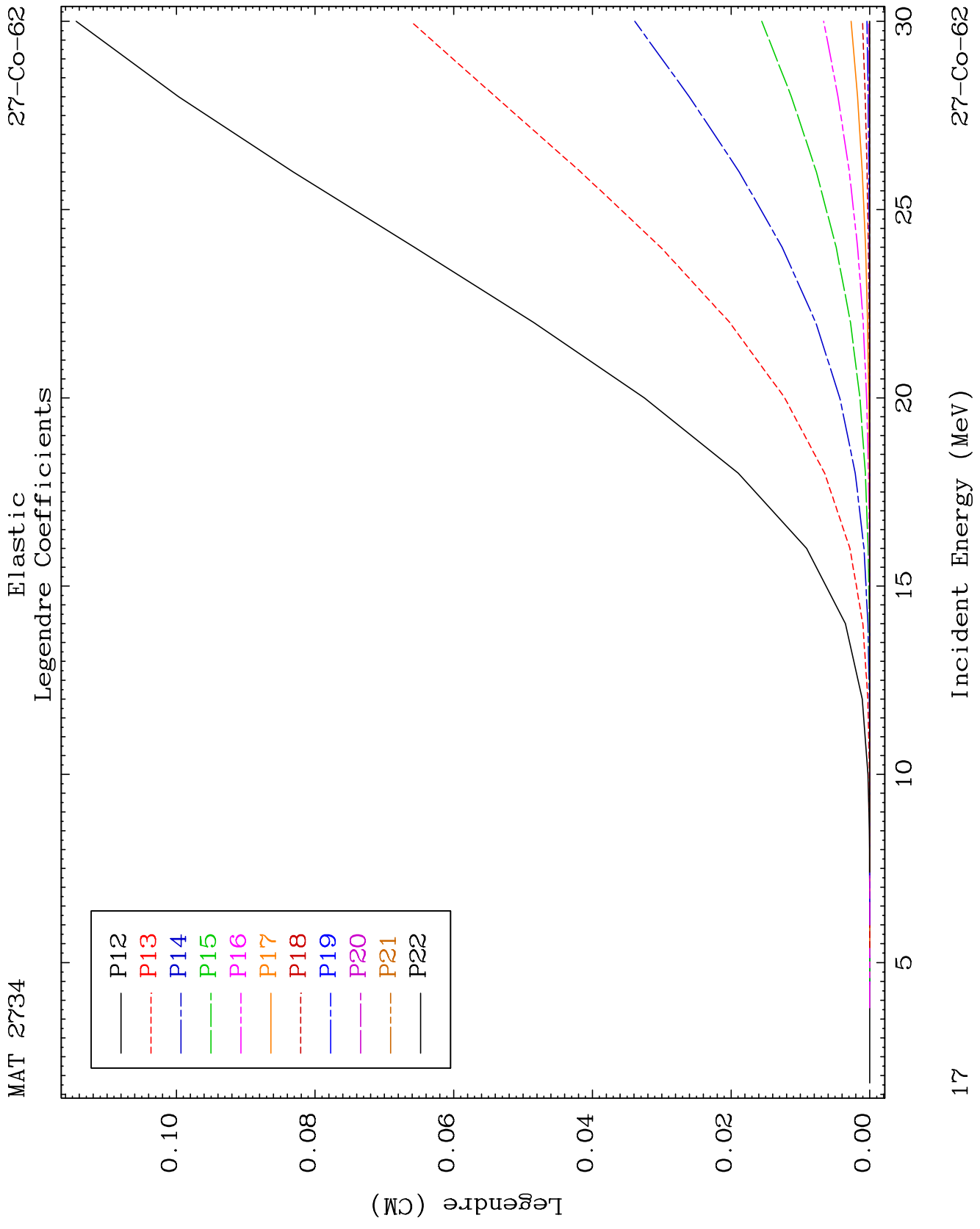
27-Co-62



27-Co-62

Incident Energy (MeV)

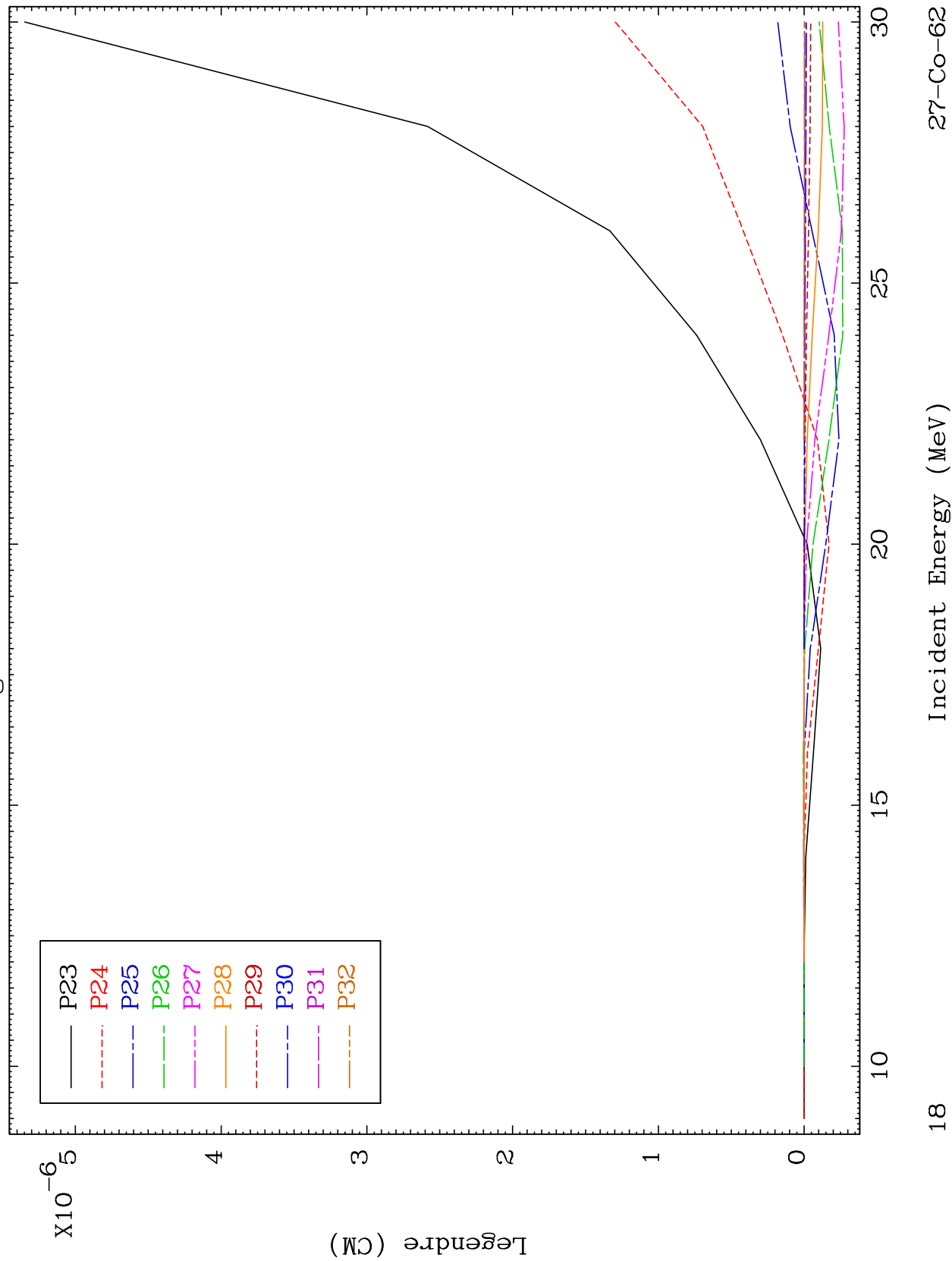
16



MAT 2734

Elastic Legendre Coefficients

27-Co-62



18

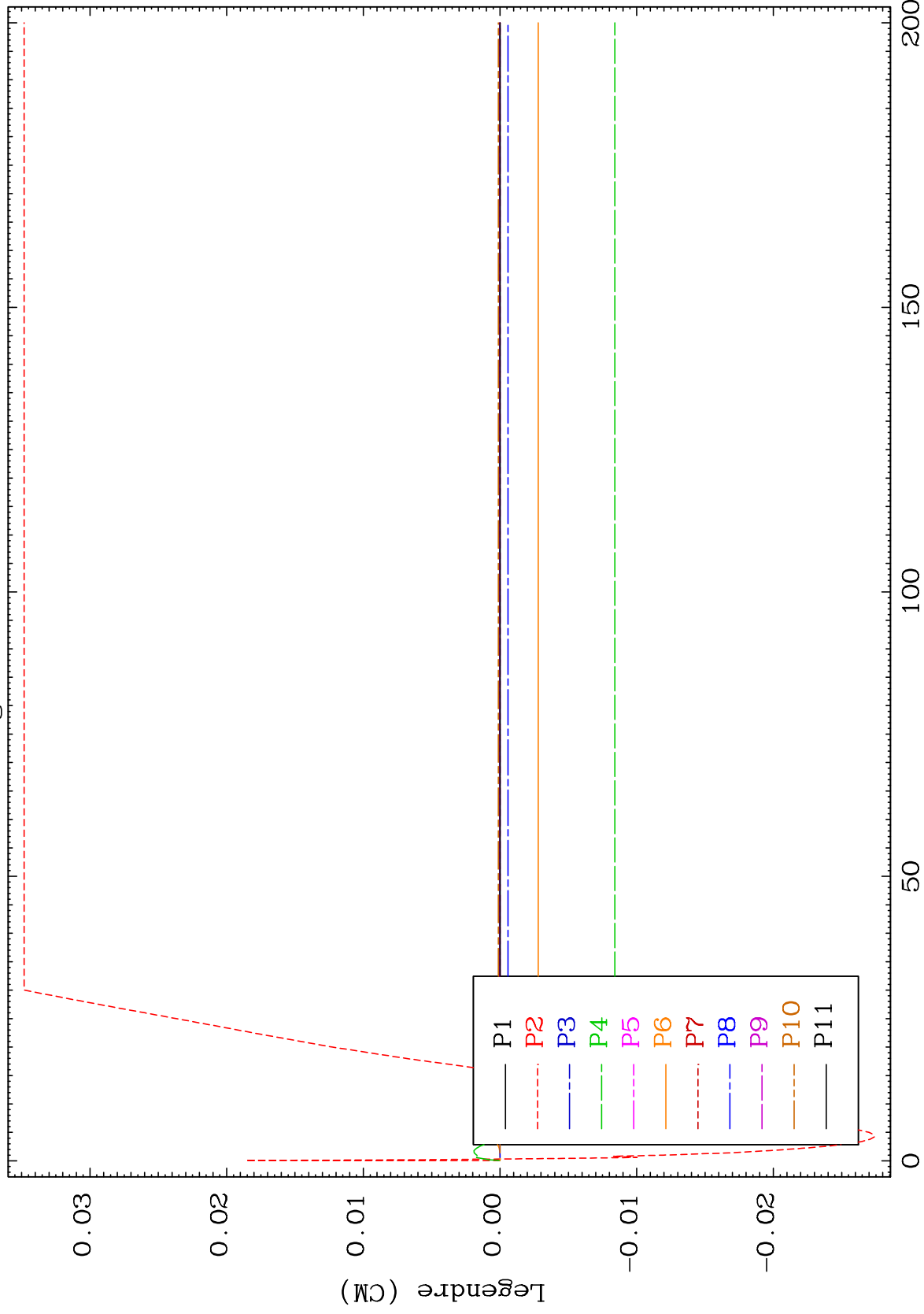
Incident Energy (MeV)

27-Co-62

MAT 2734

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

27-Co-62



19

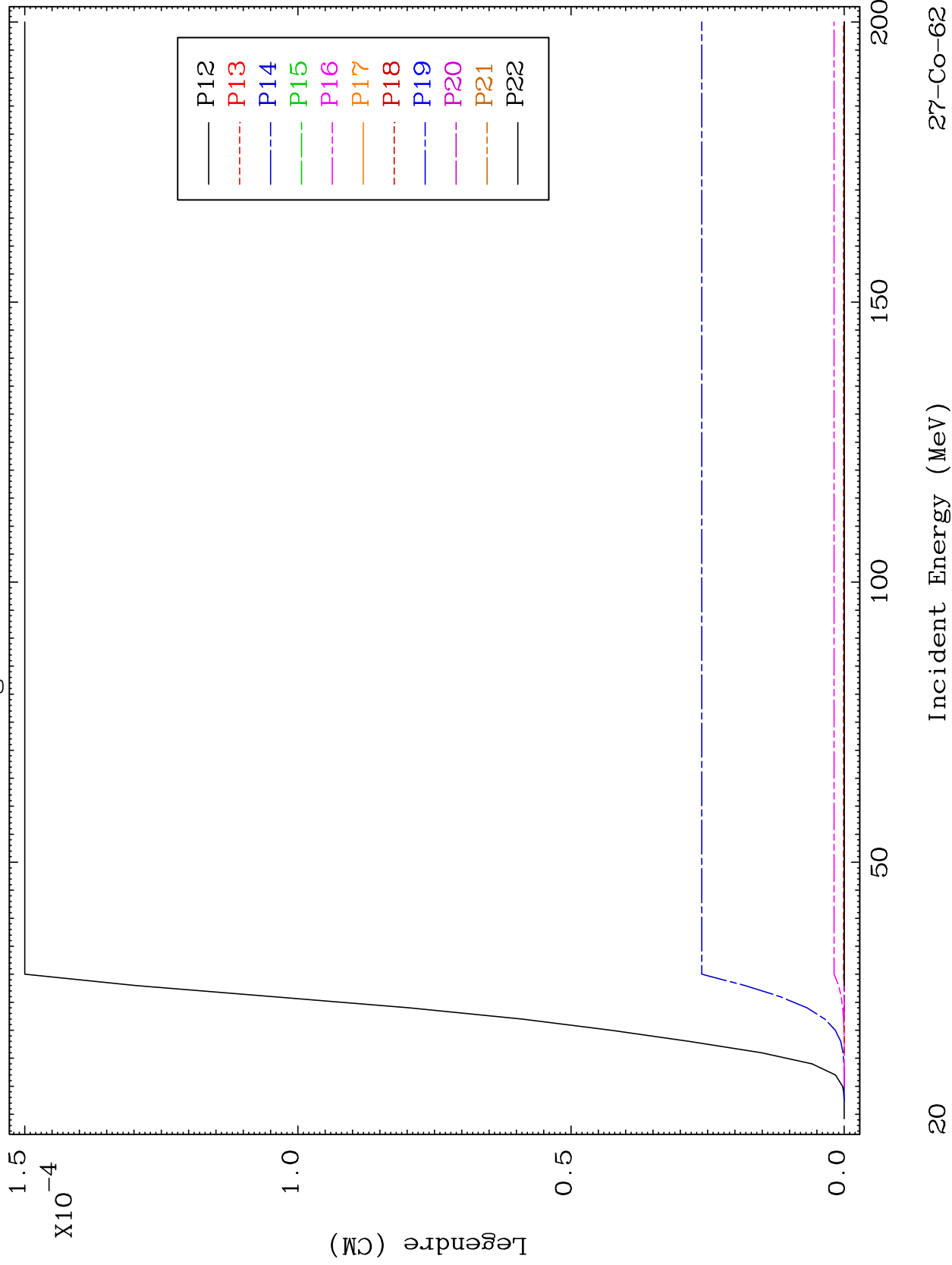
Incident Energy (MeV)

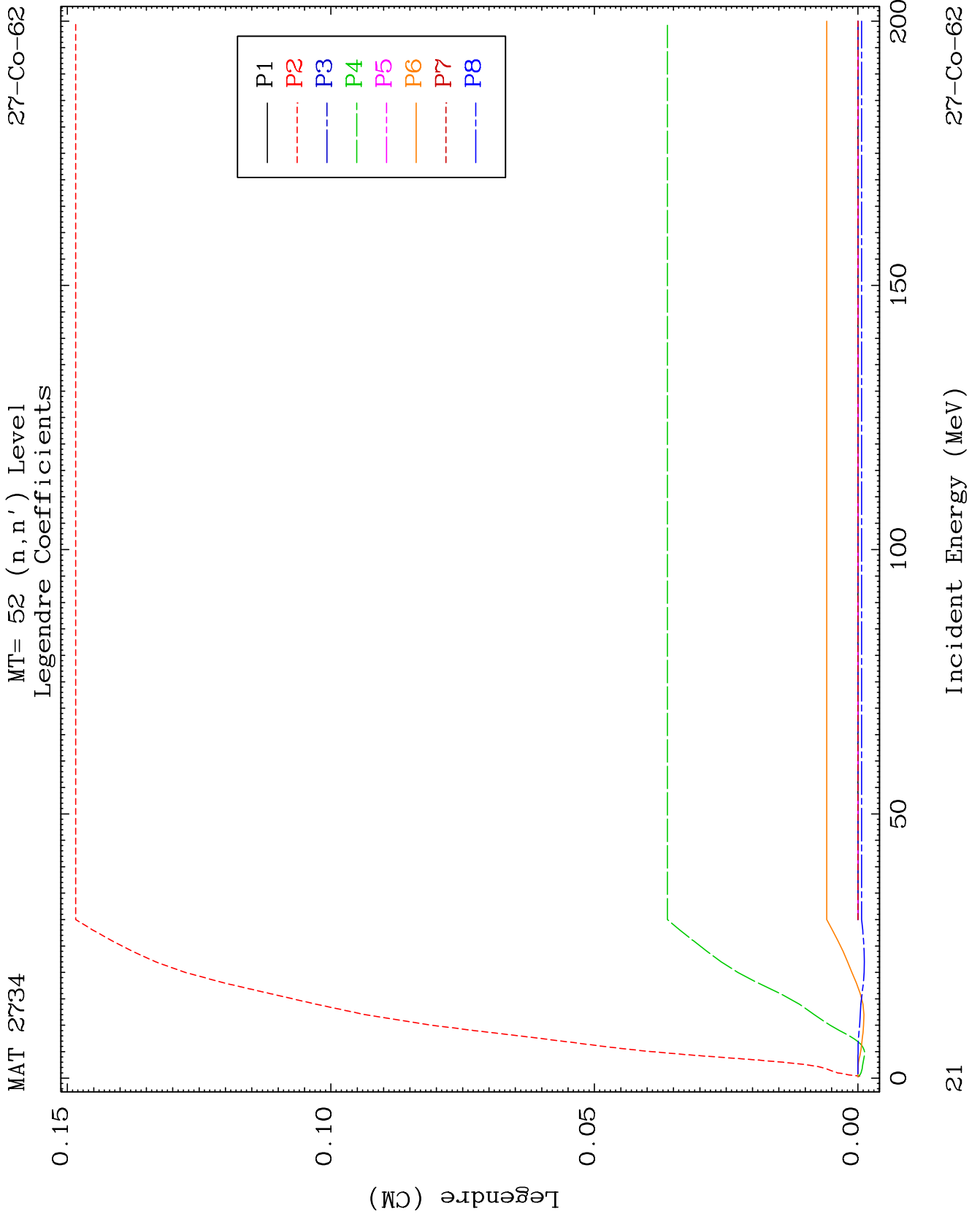
27-Co-62

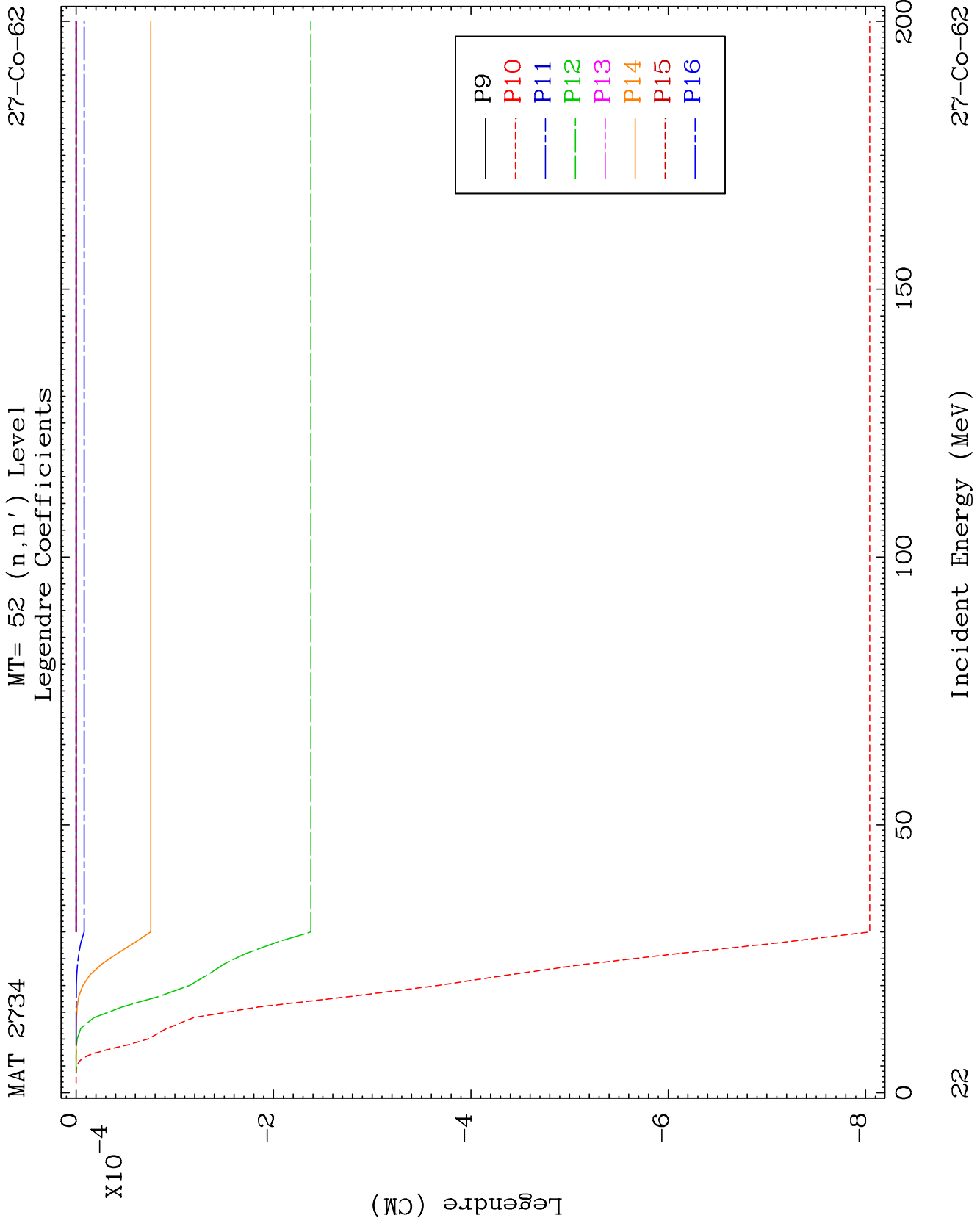
MAT 2734

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

27-Co-62



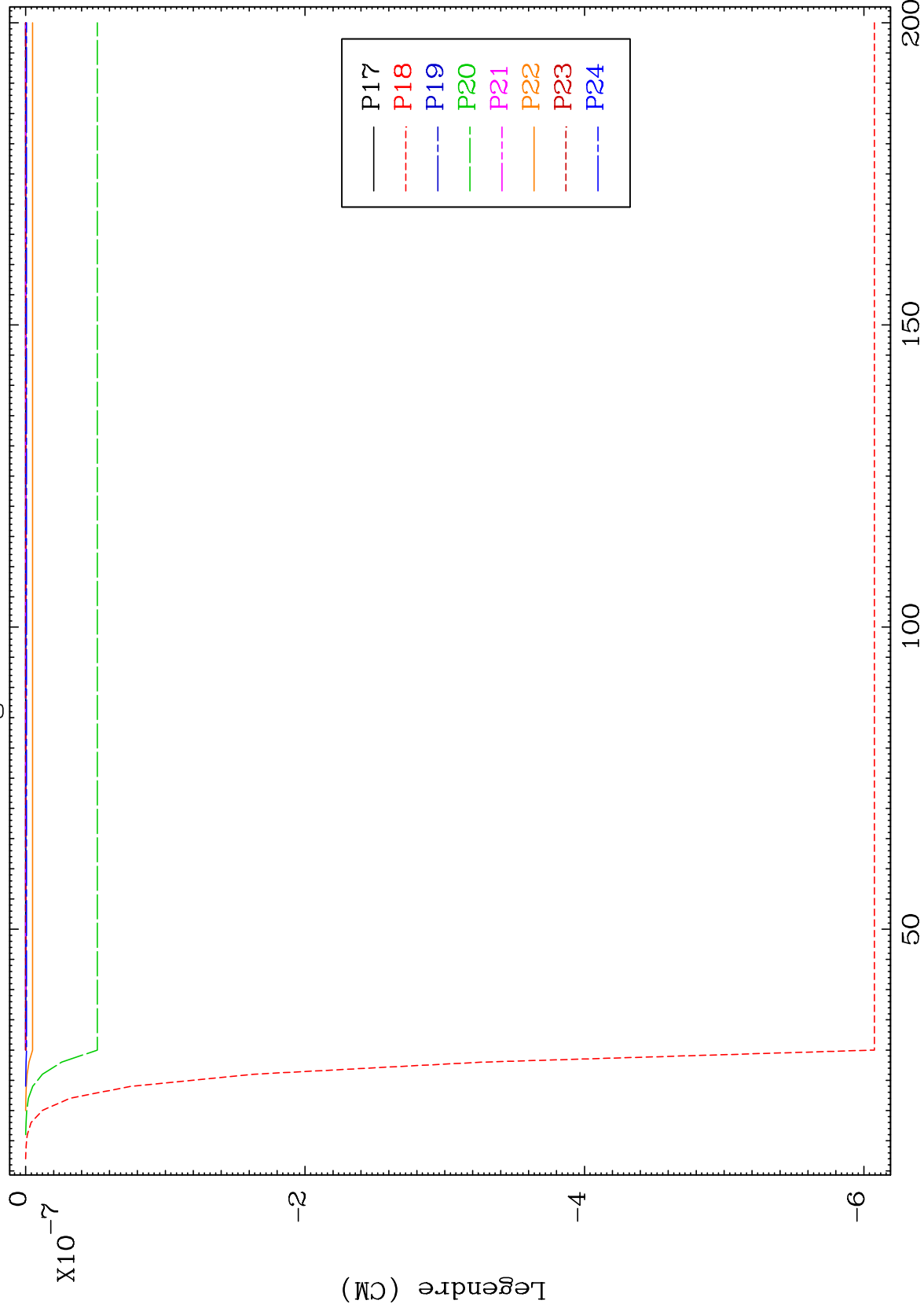




MAT 2734

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

27-Co-62



27-Co-62

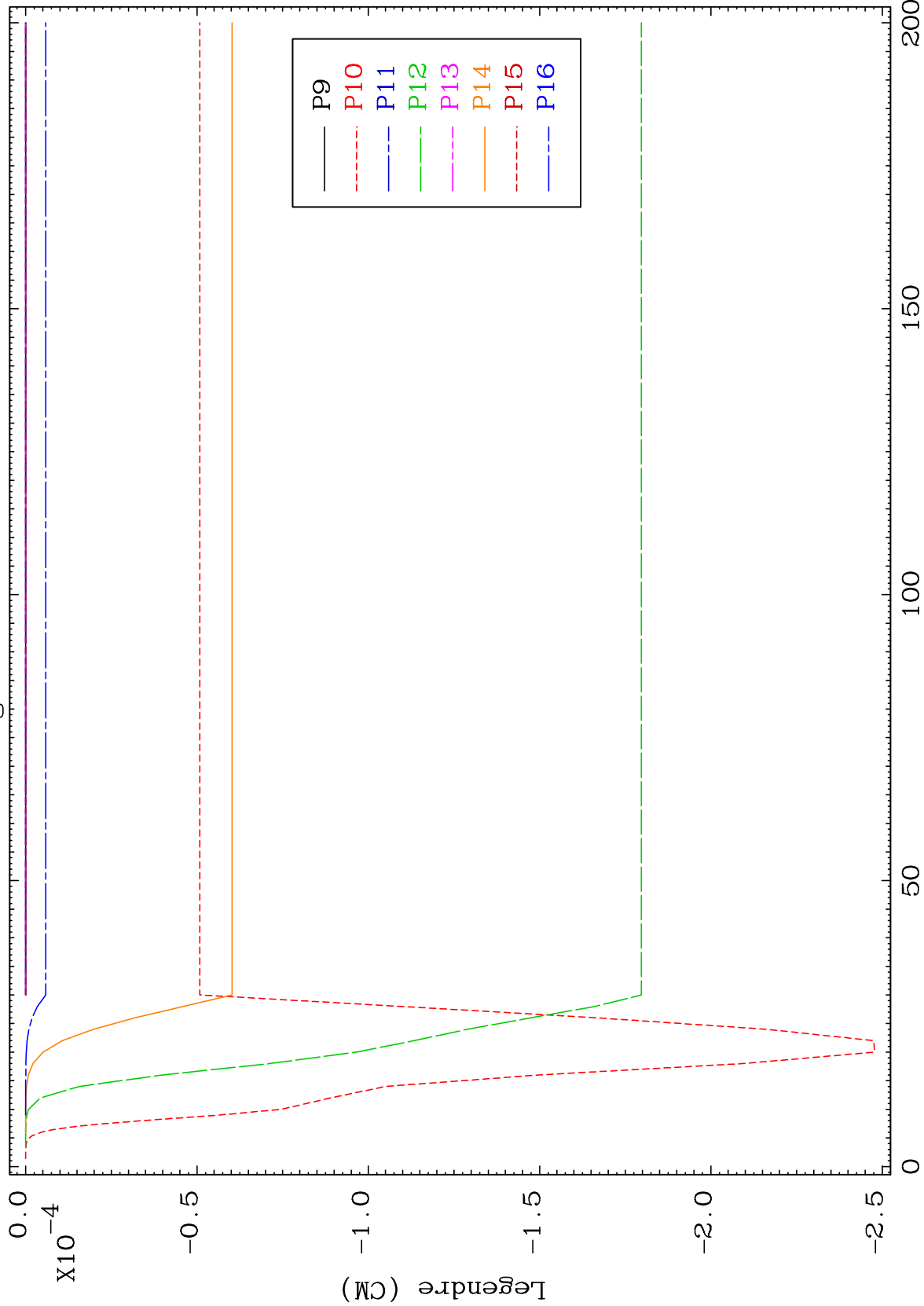
Incident Energy (MeV)

23

MAT 2734

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

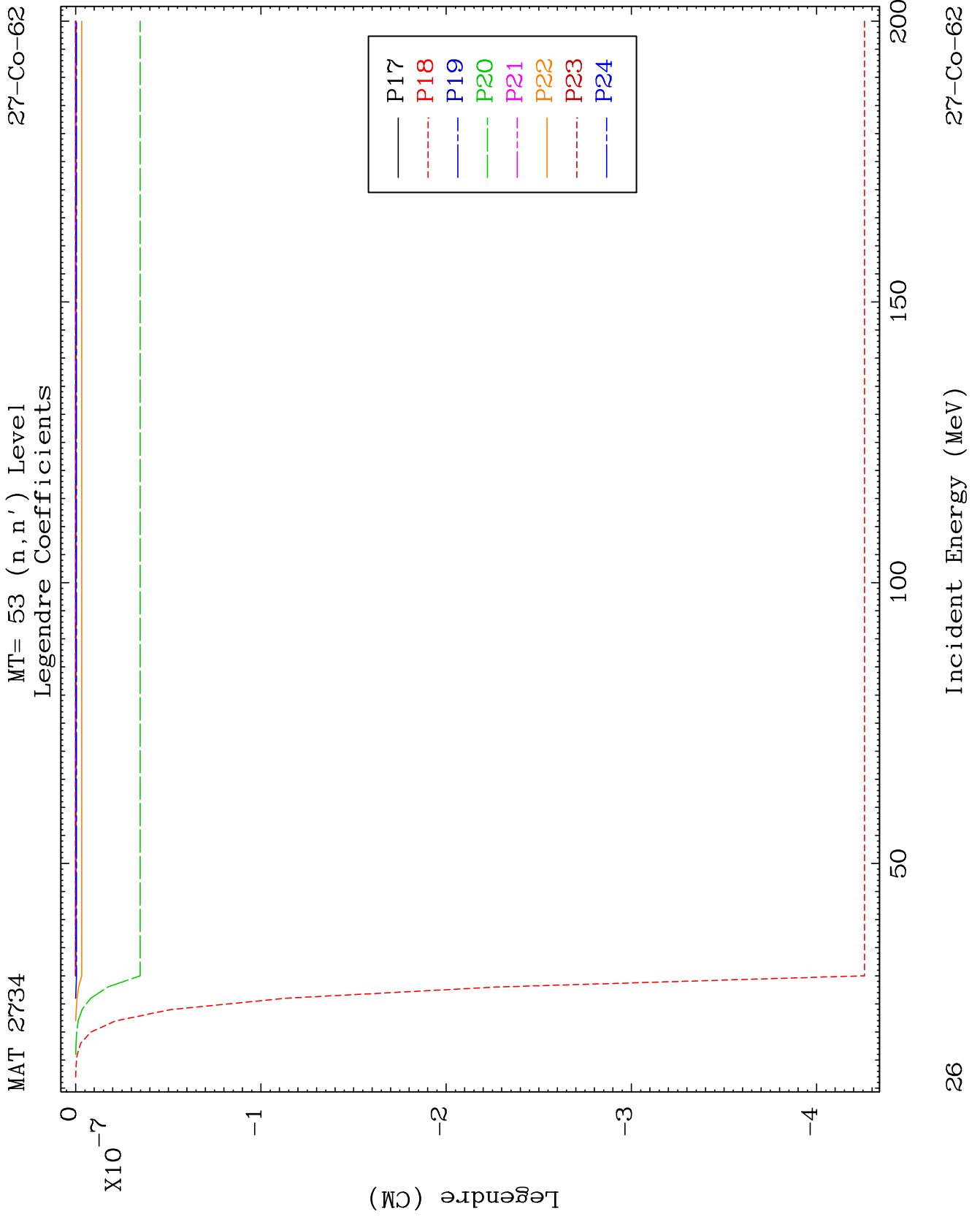
27-Co-62

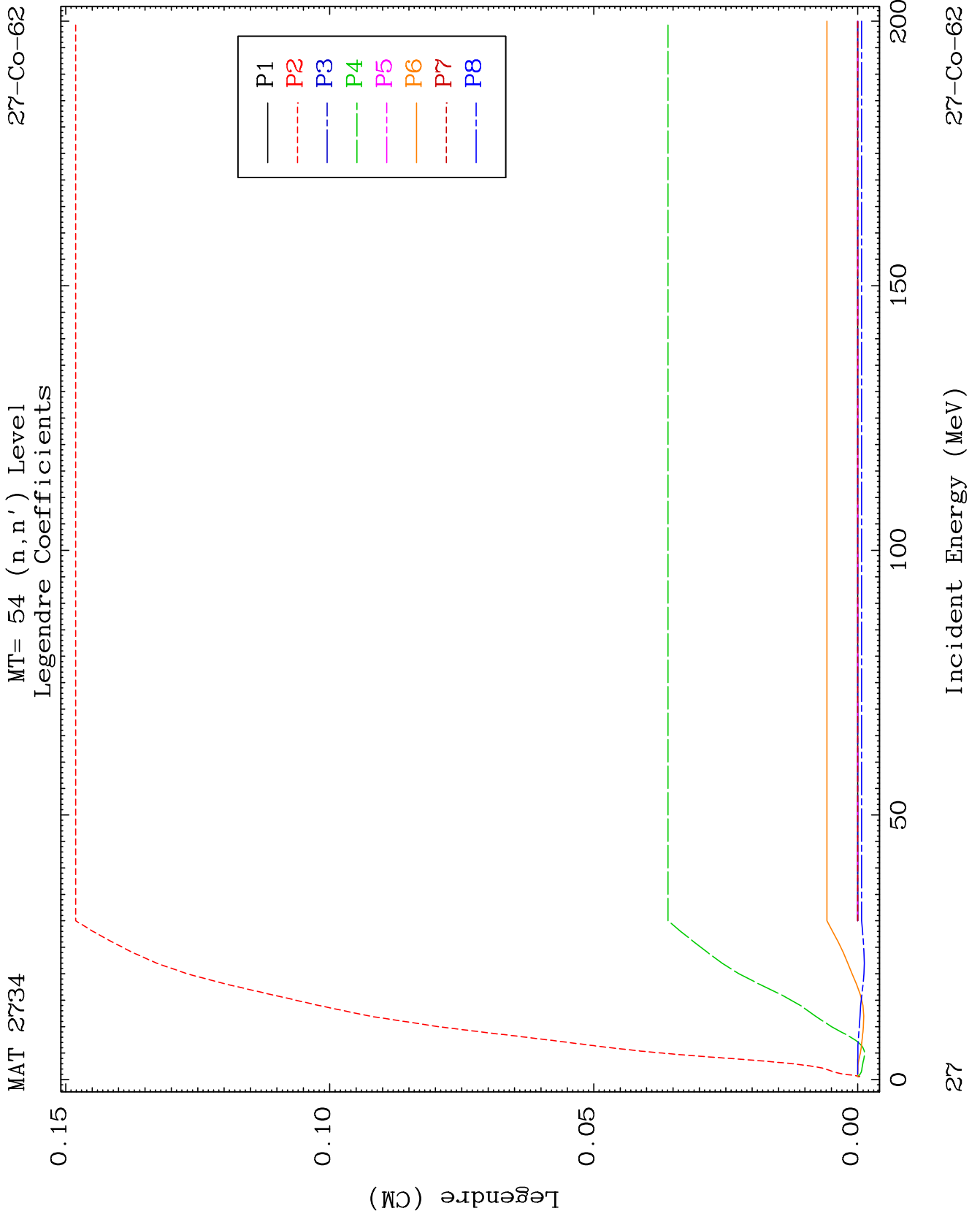


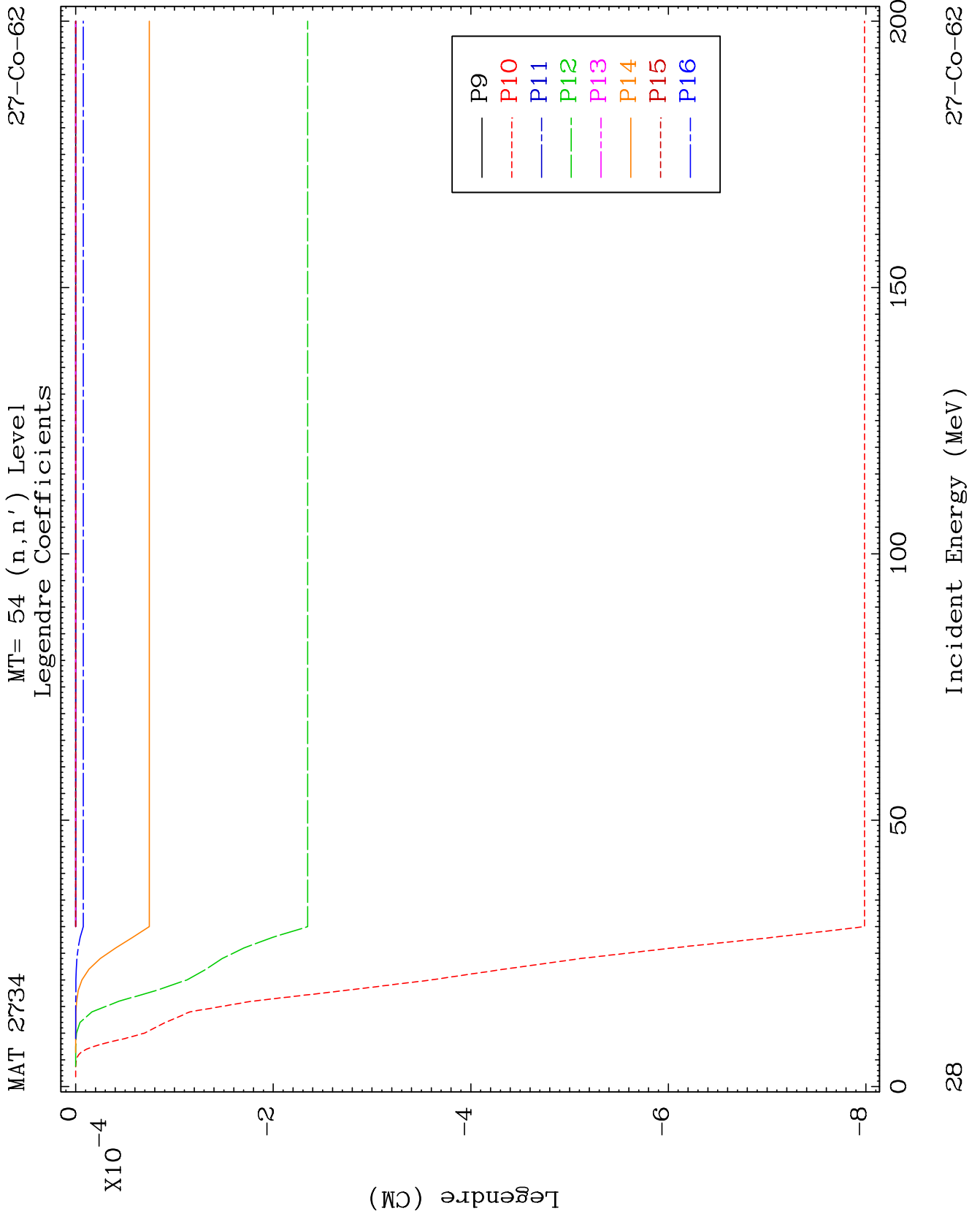
27-Co-62

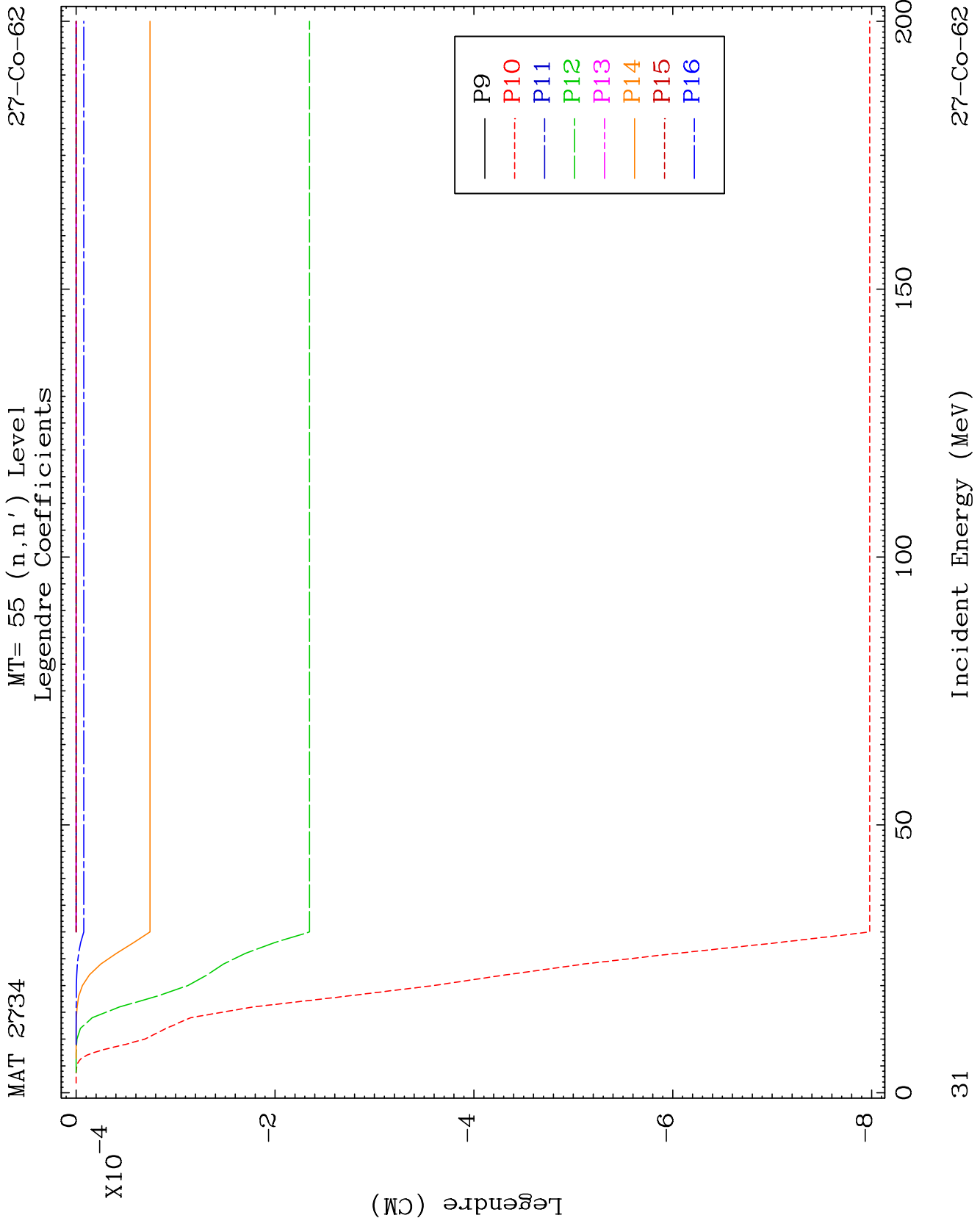
Incident Energy (MeV)

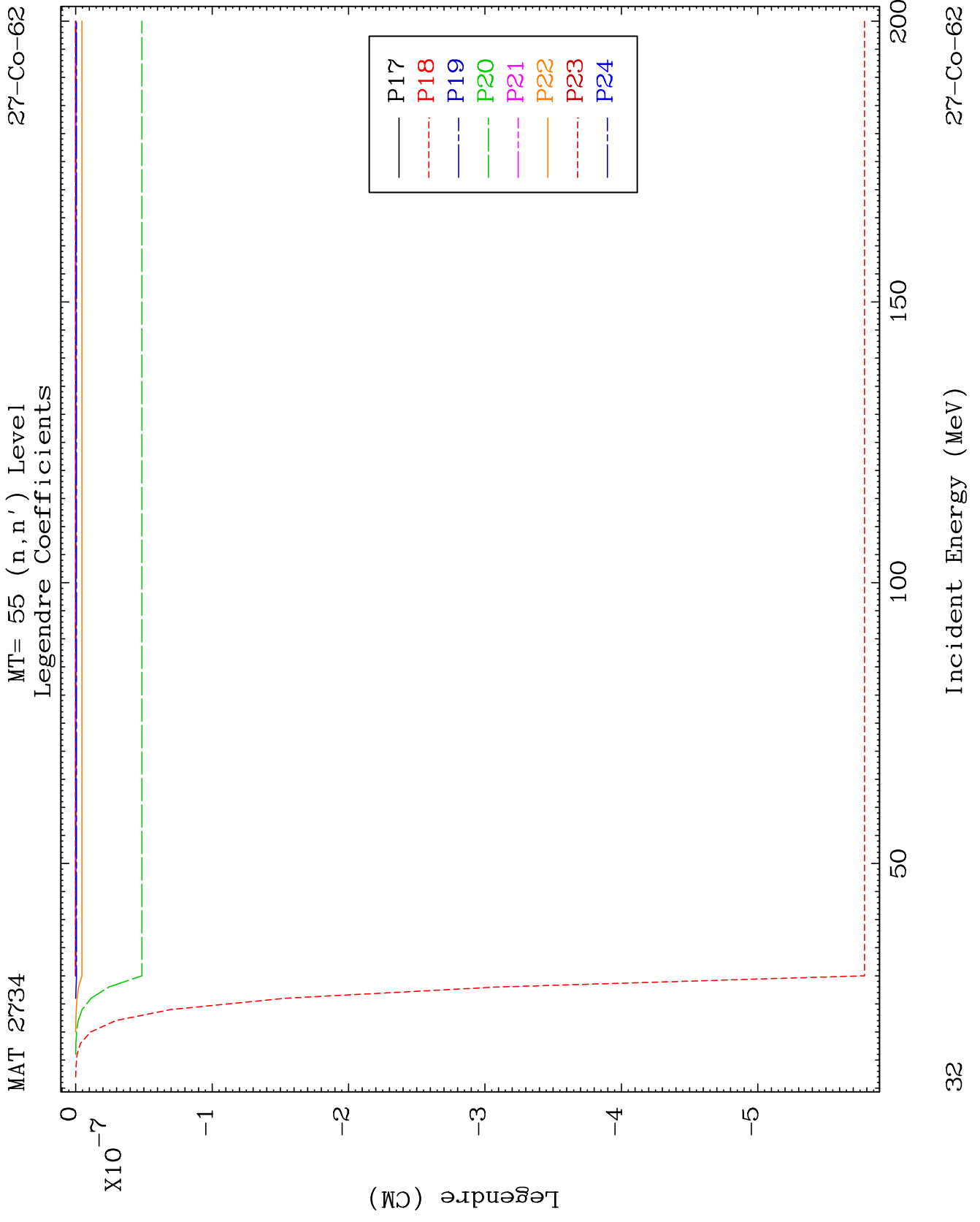
25







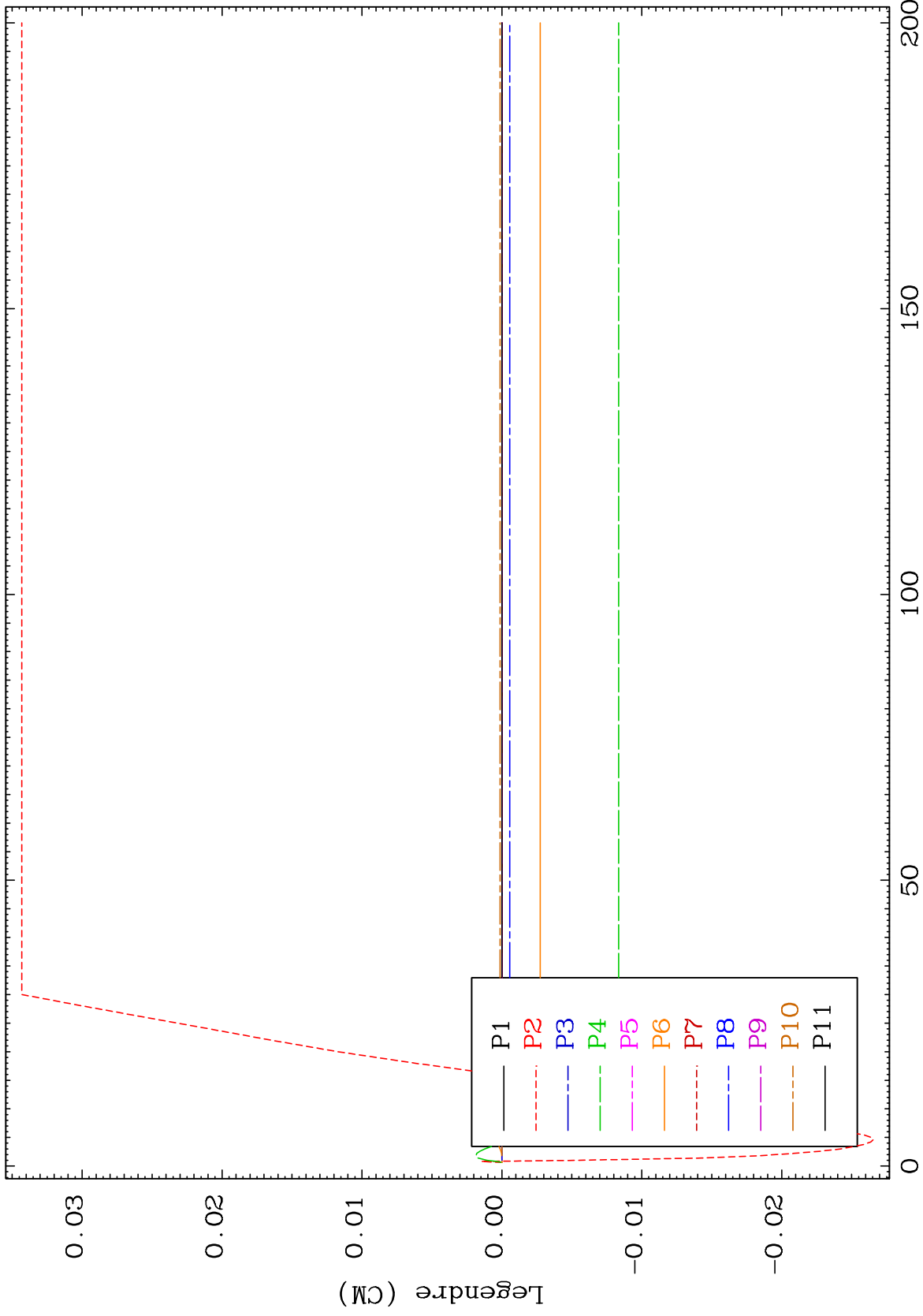




MAT 2734

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

27-Co-62



33

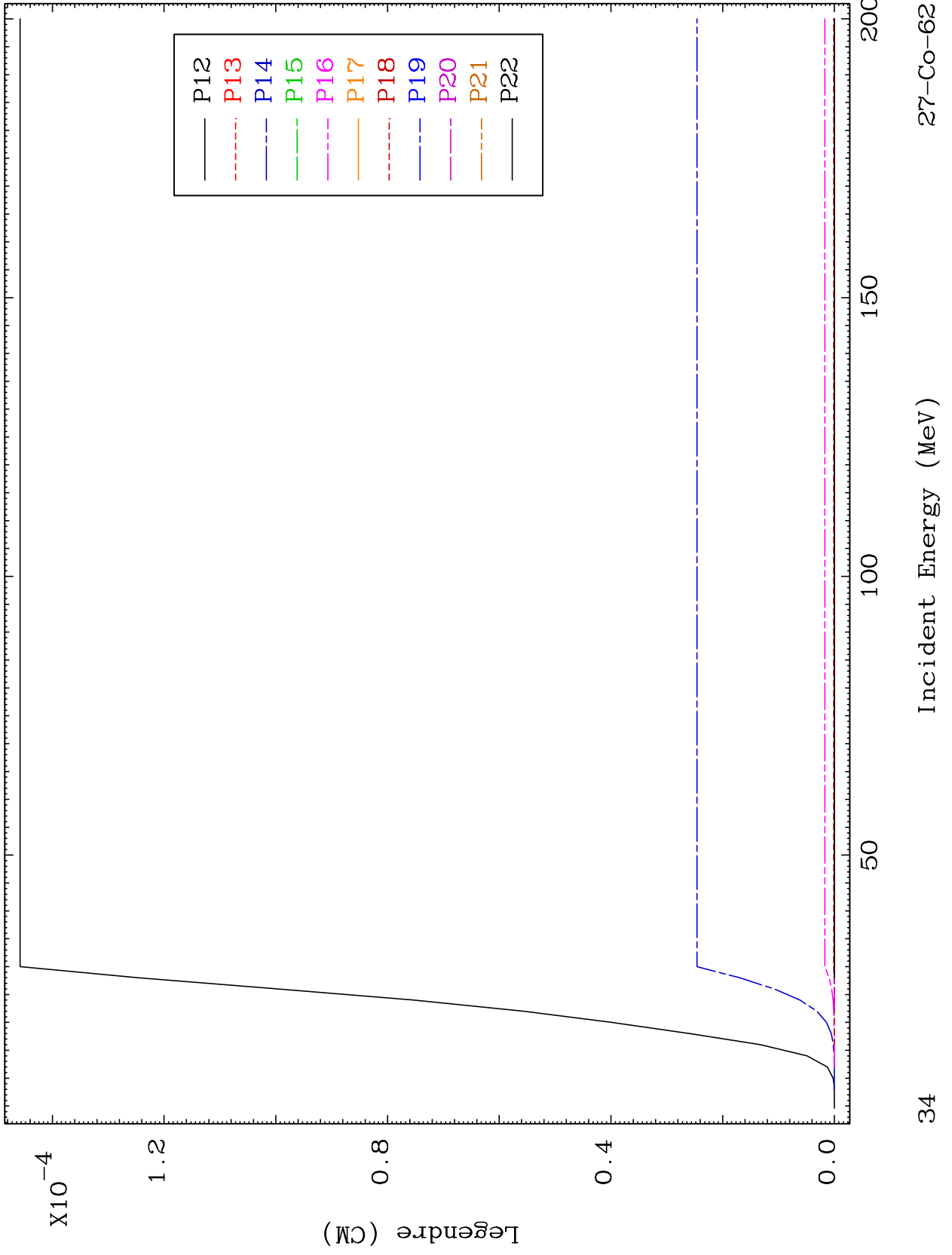
Incident Energy (MeV)

27-Co-62

MAT 2734

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

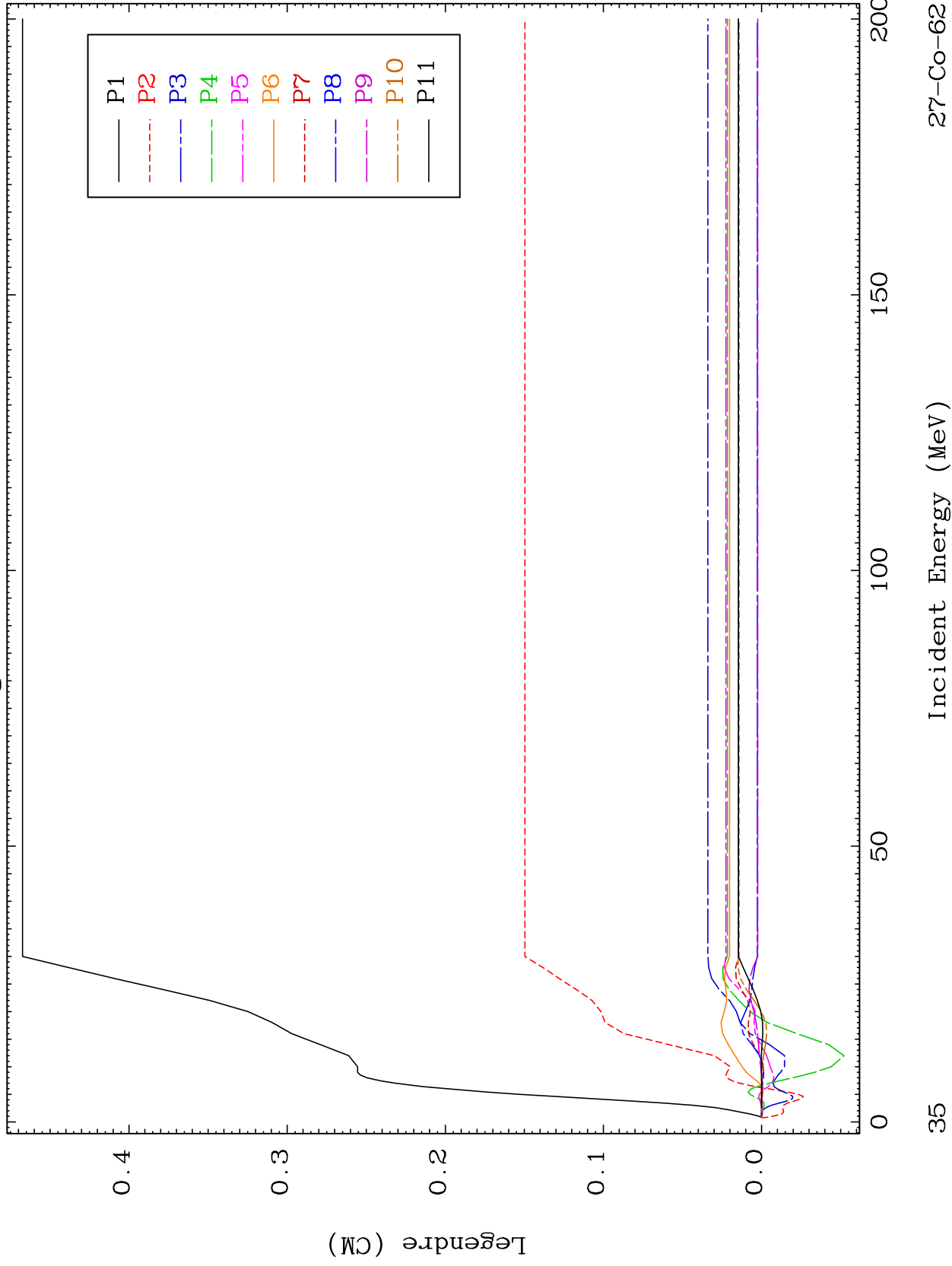
27-Co-62



MAT 2734

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

27-Co-62



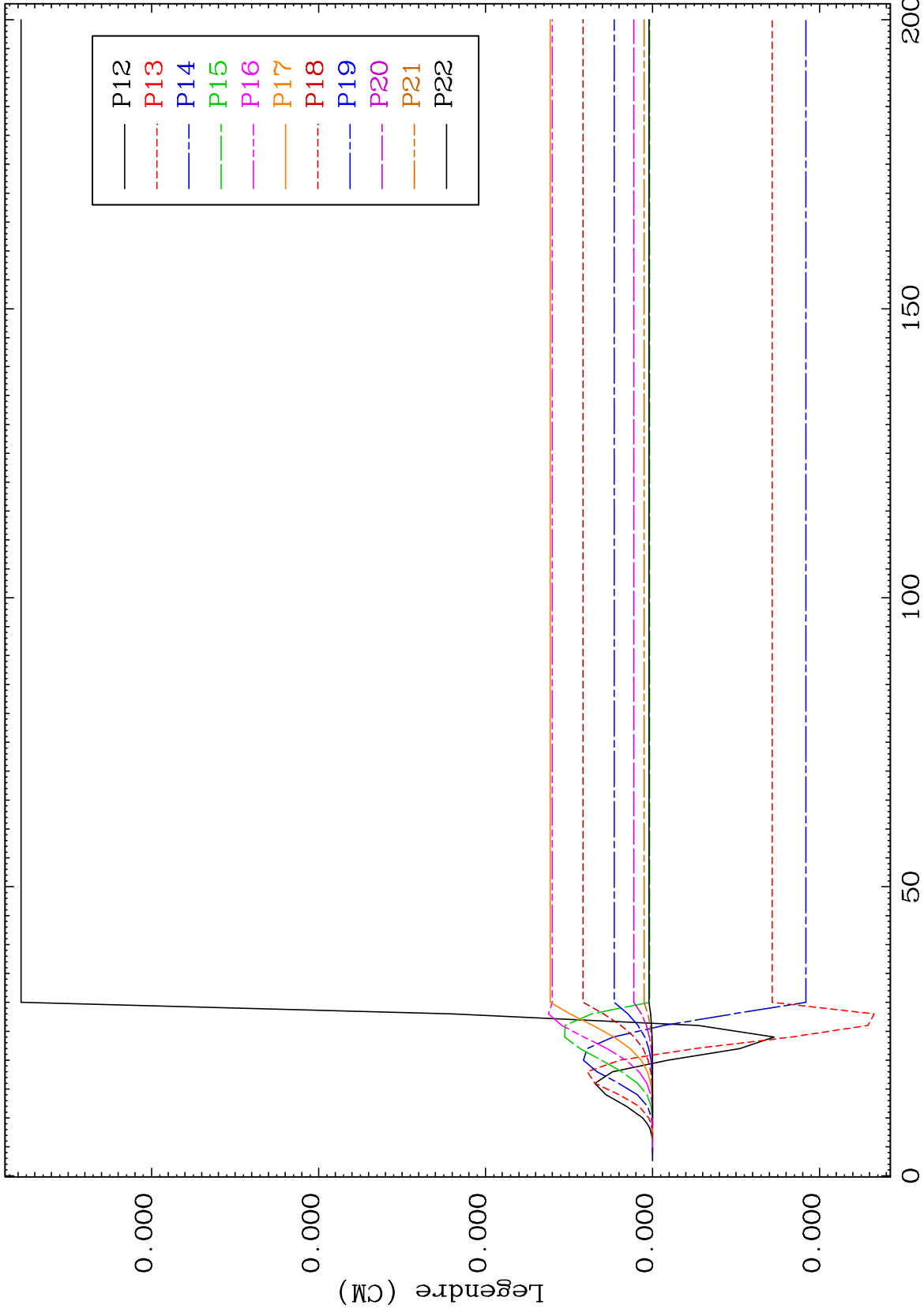
35

27-Co-62

MAT 2734

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

27-Co-62



36

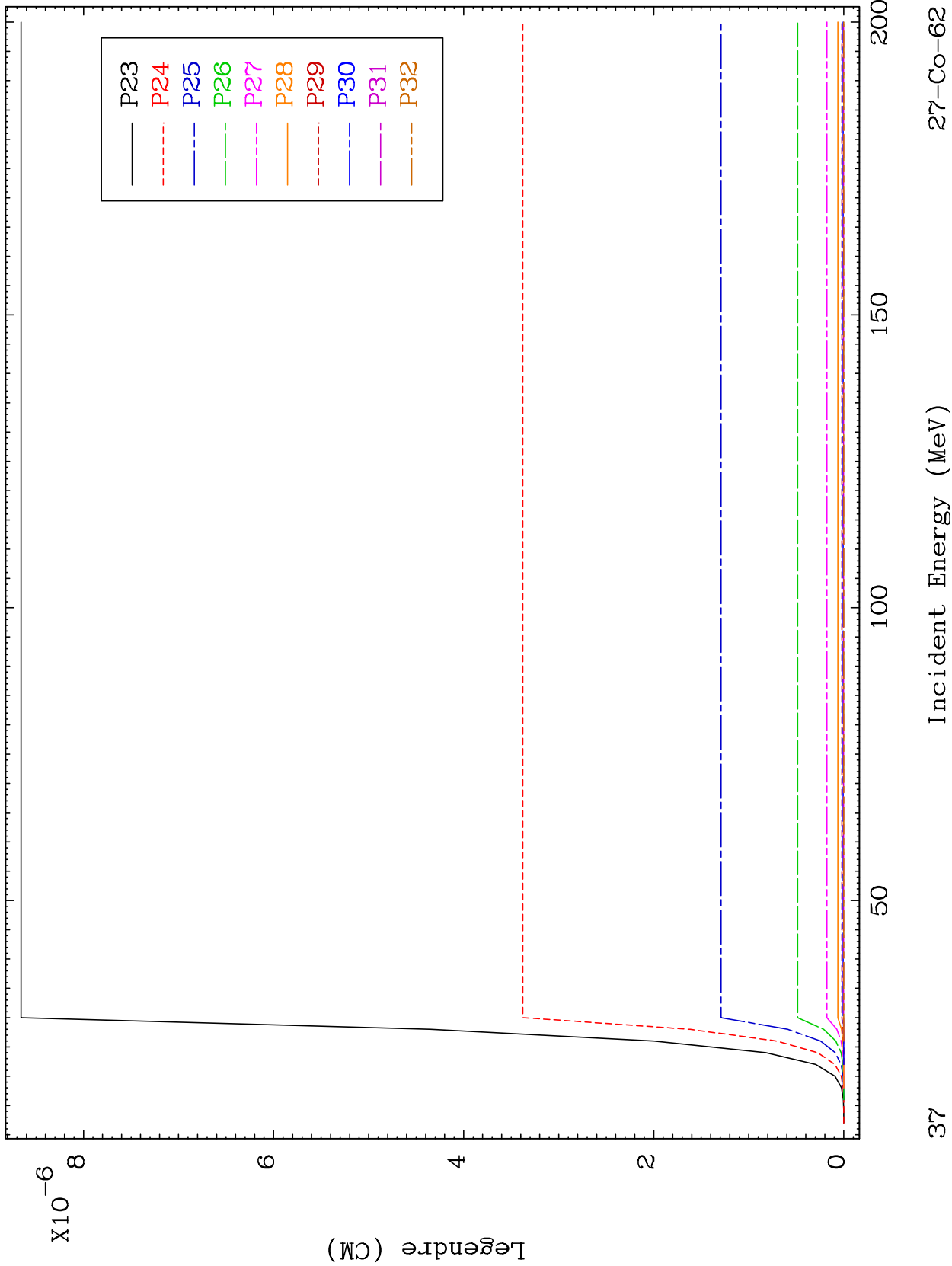
Incident Energy (MeV)

27-Co-62

MAT 2734

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

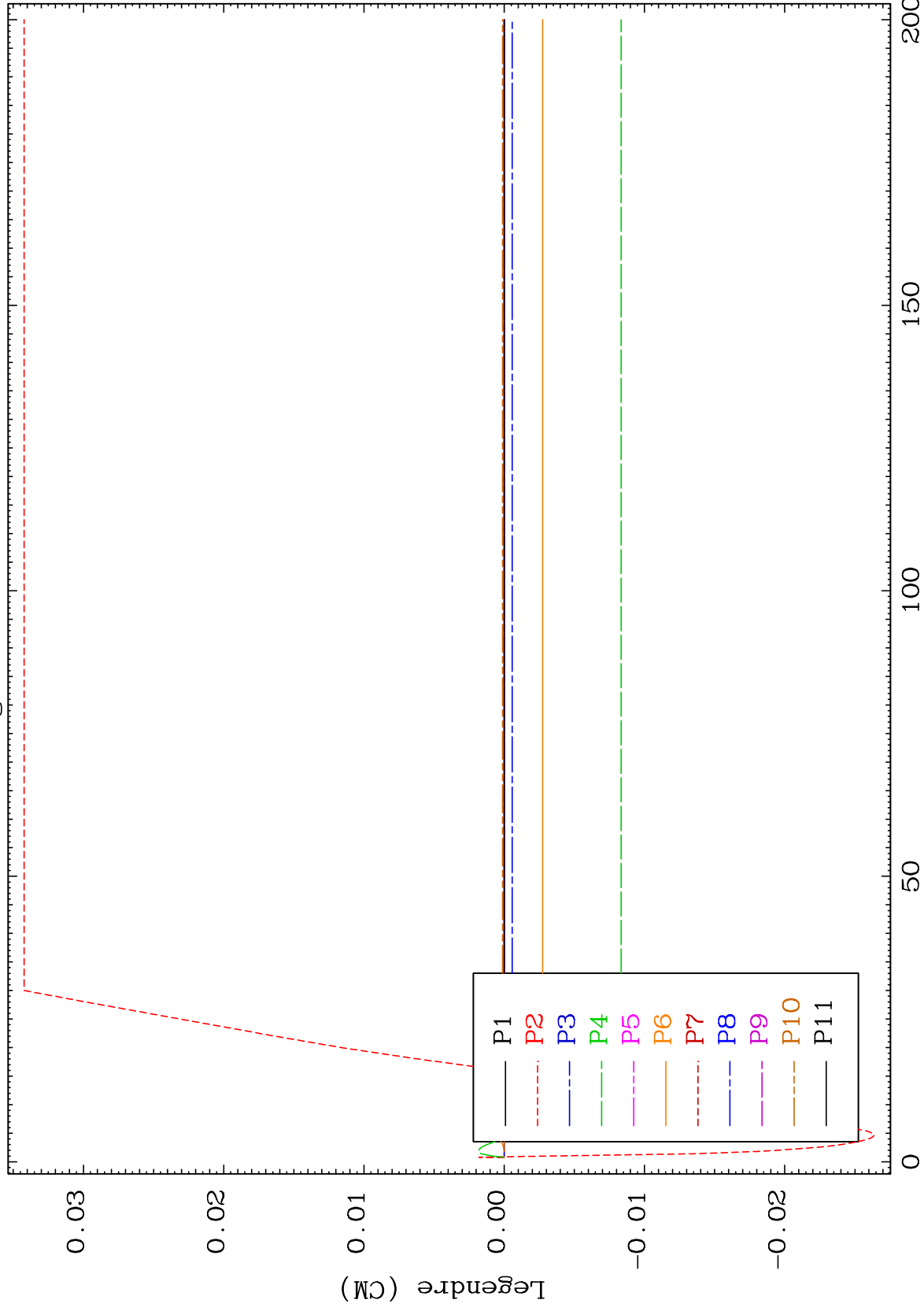
27-Co-62



MAT 2734

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

27-Co-62



38

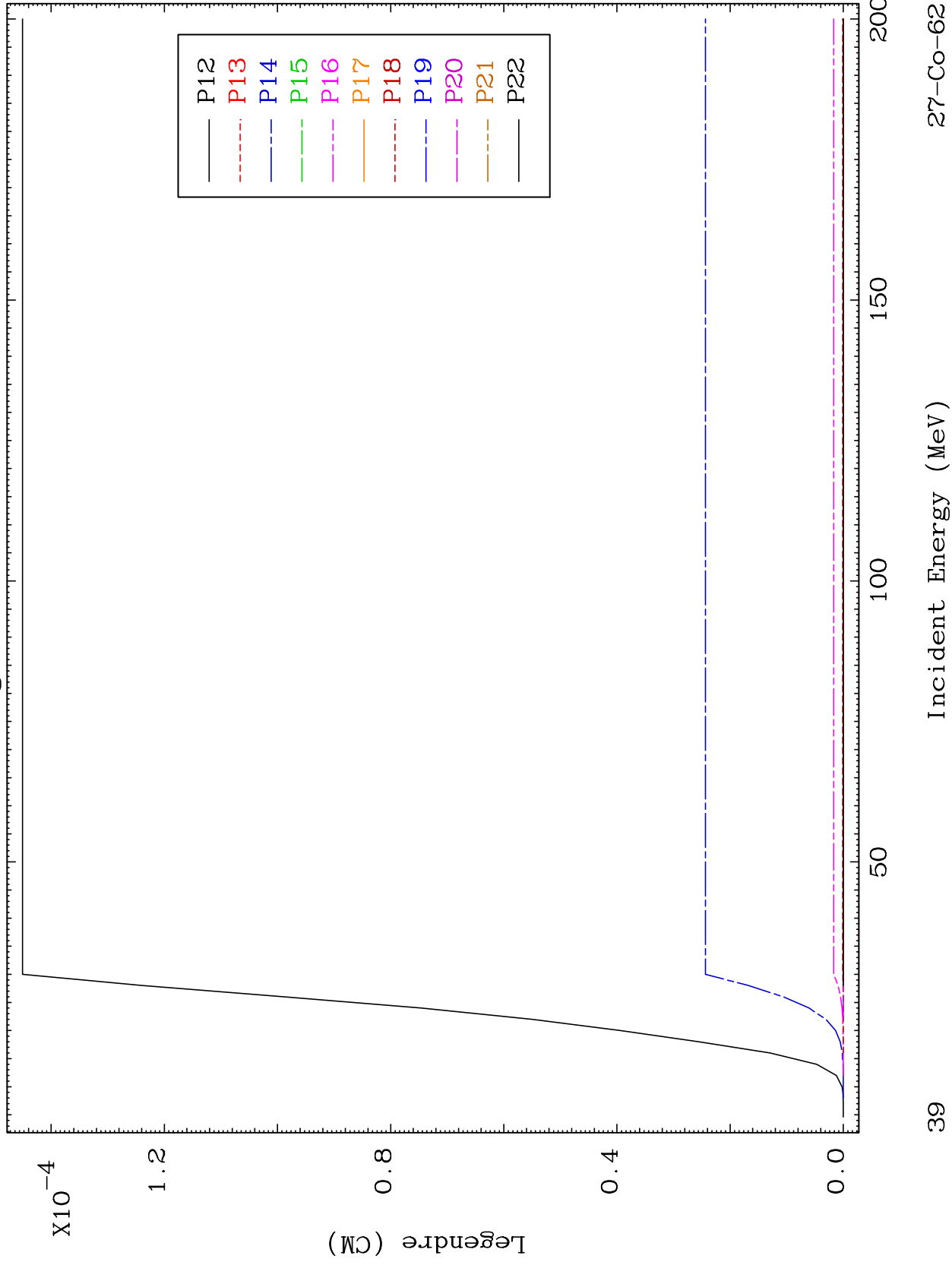
Incident Energy (MeV)

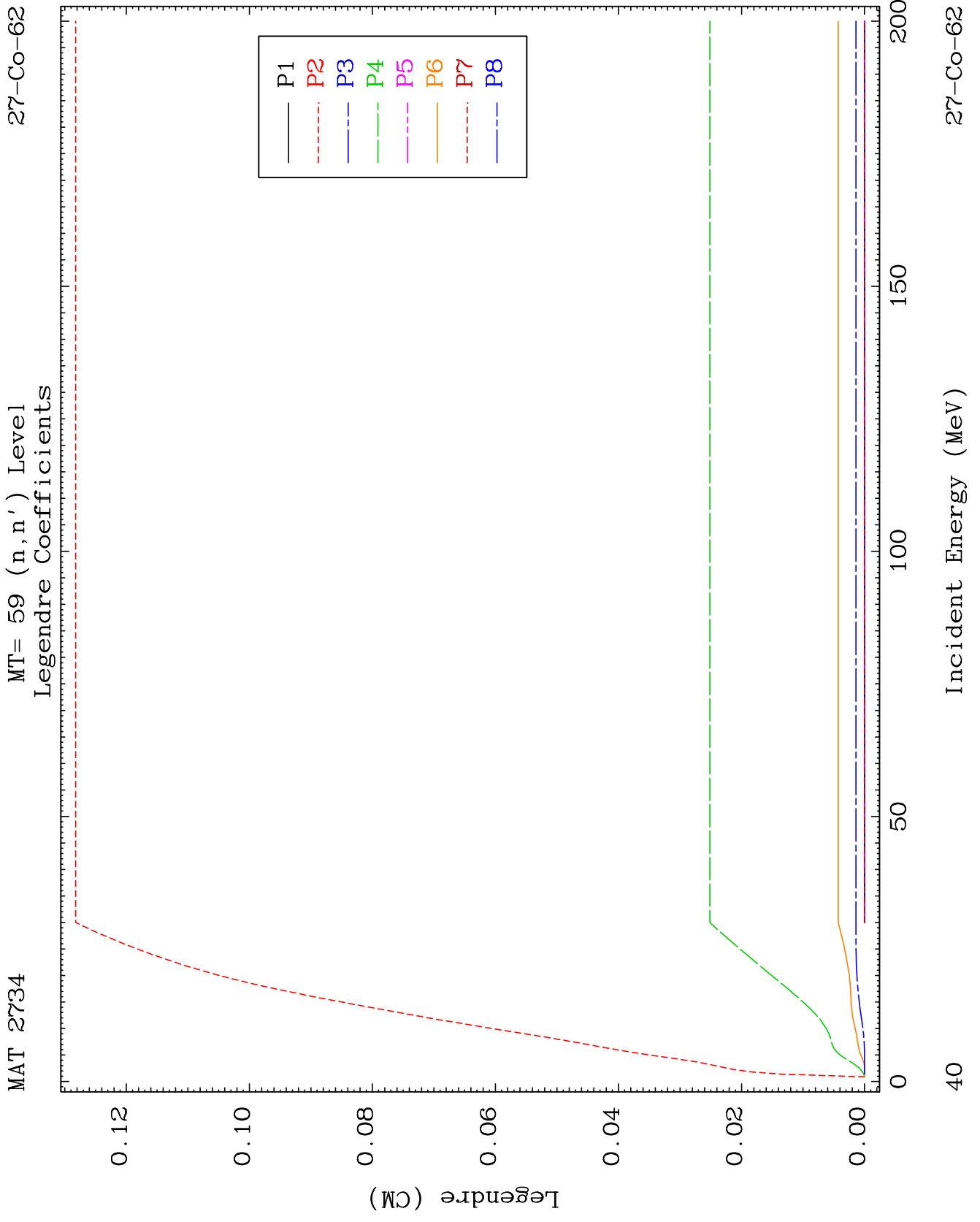
27-Co-62

MAT 2734

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

27-Co-62

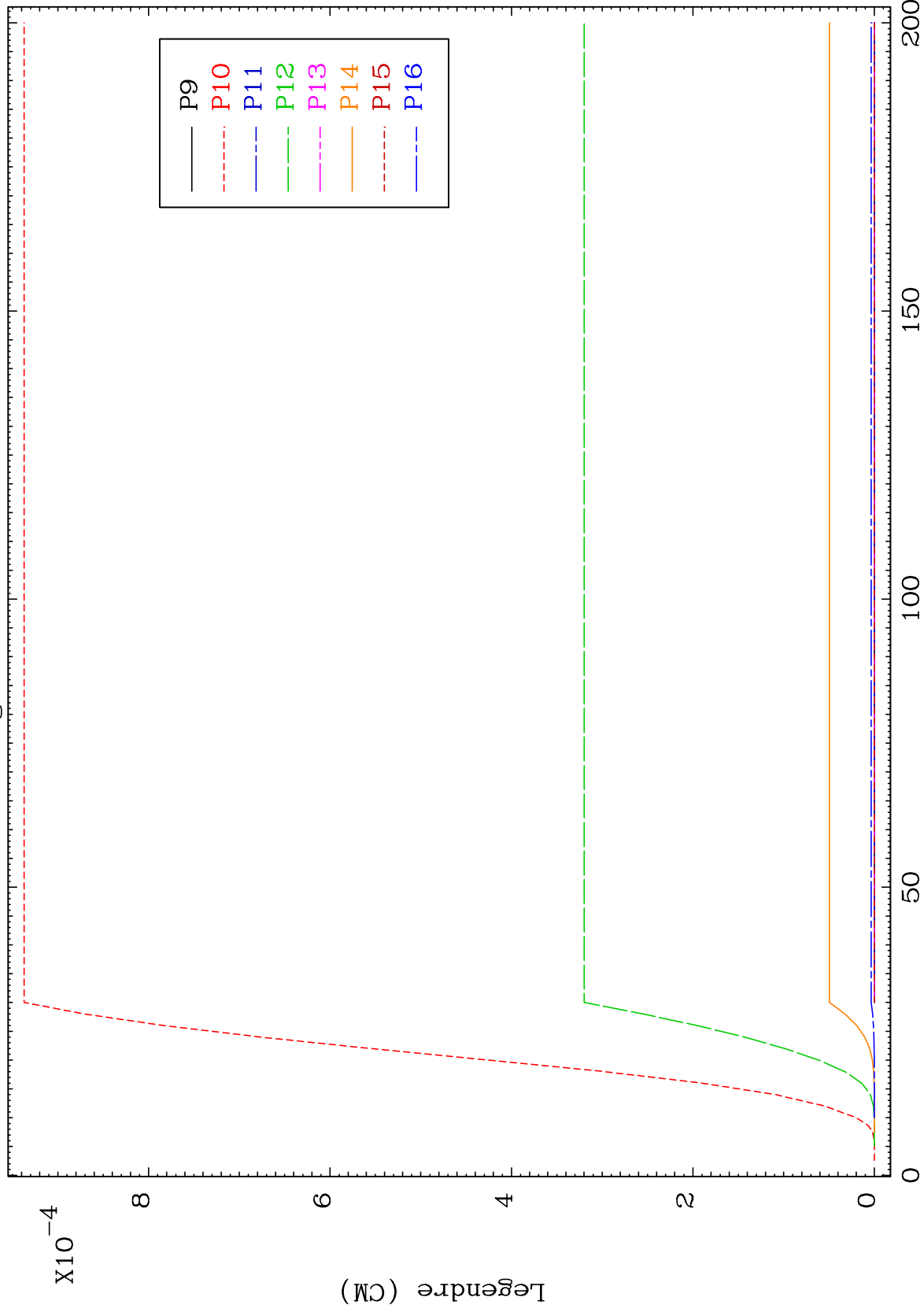




MAT 2734

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

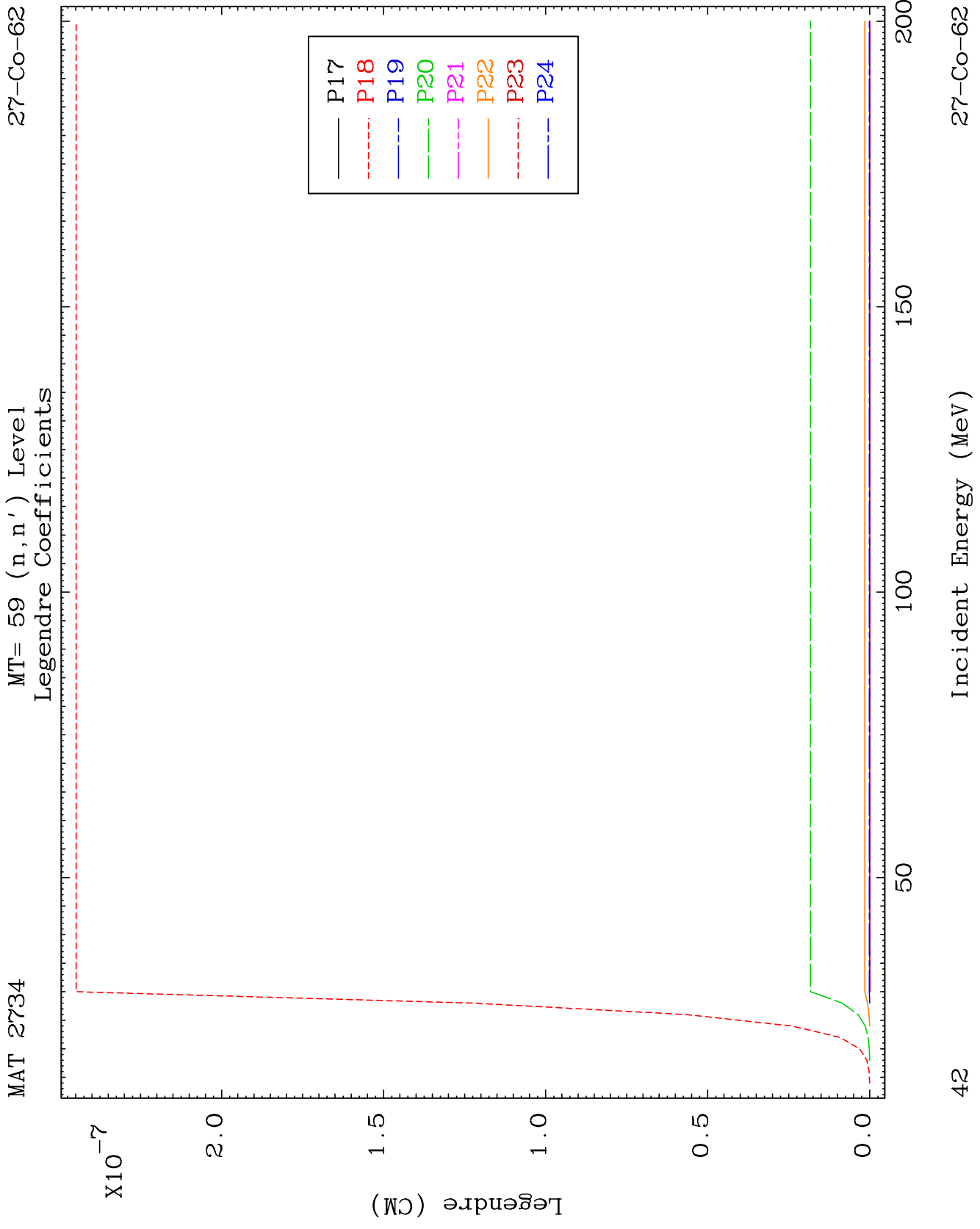
27-Co-62



41

Incident Energy (MeV)

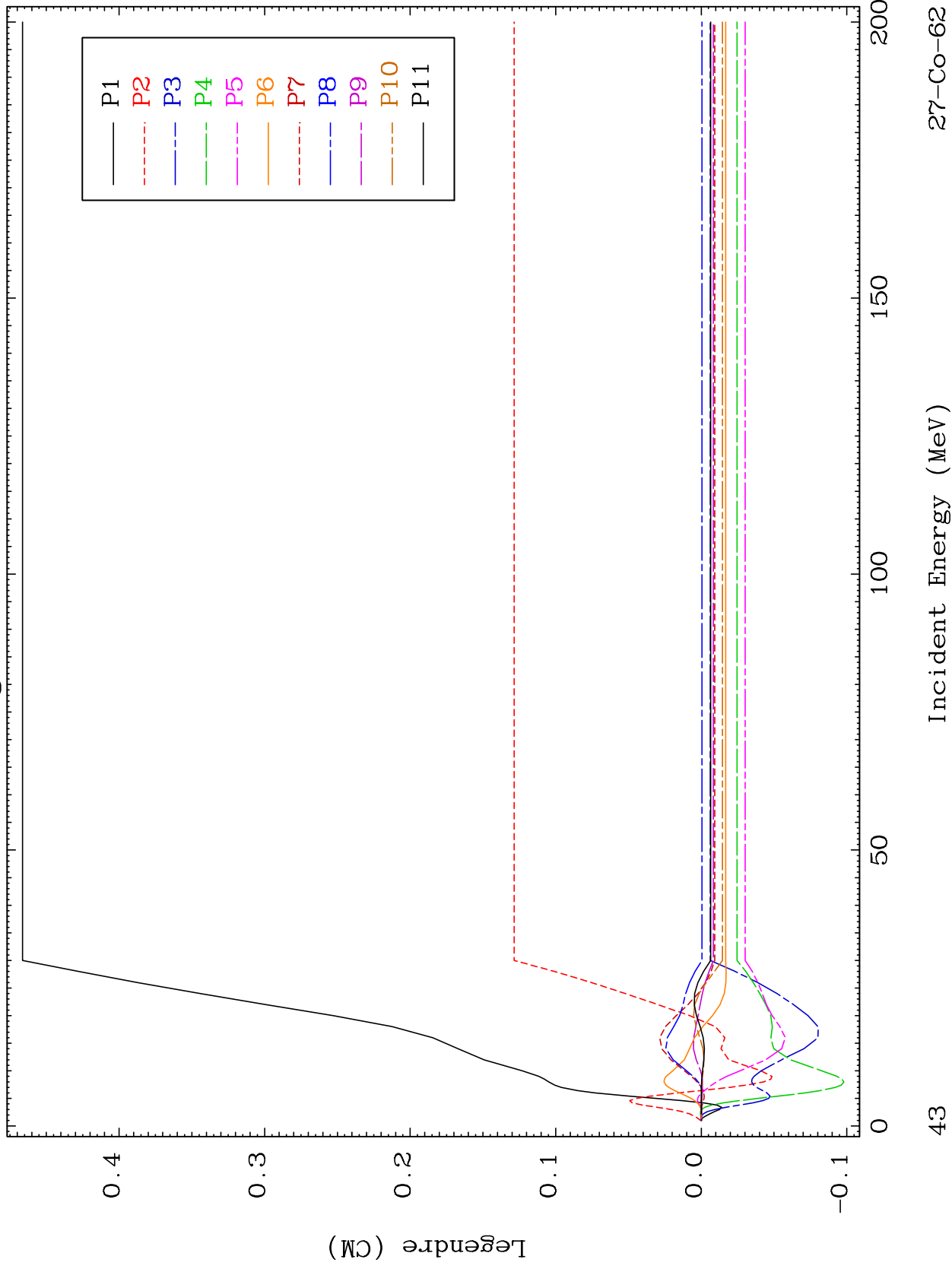
27-Co-62



MAT 2734

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

27-Co-62



43

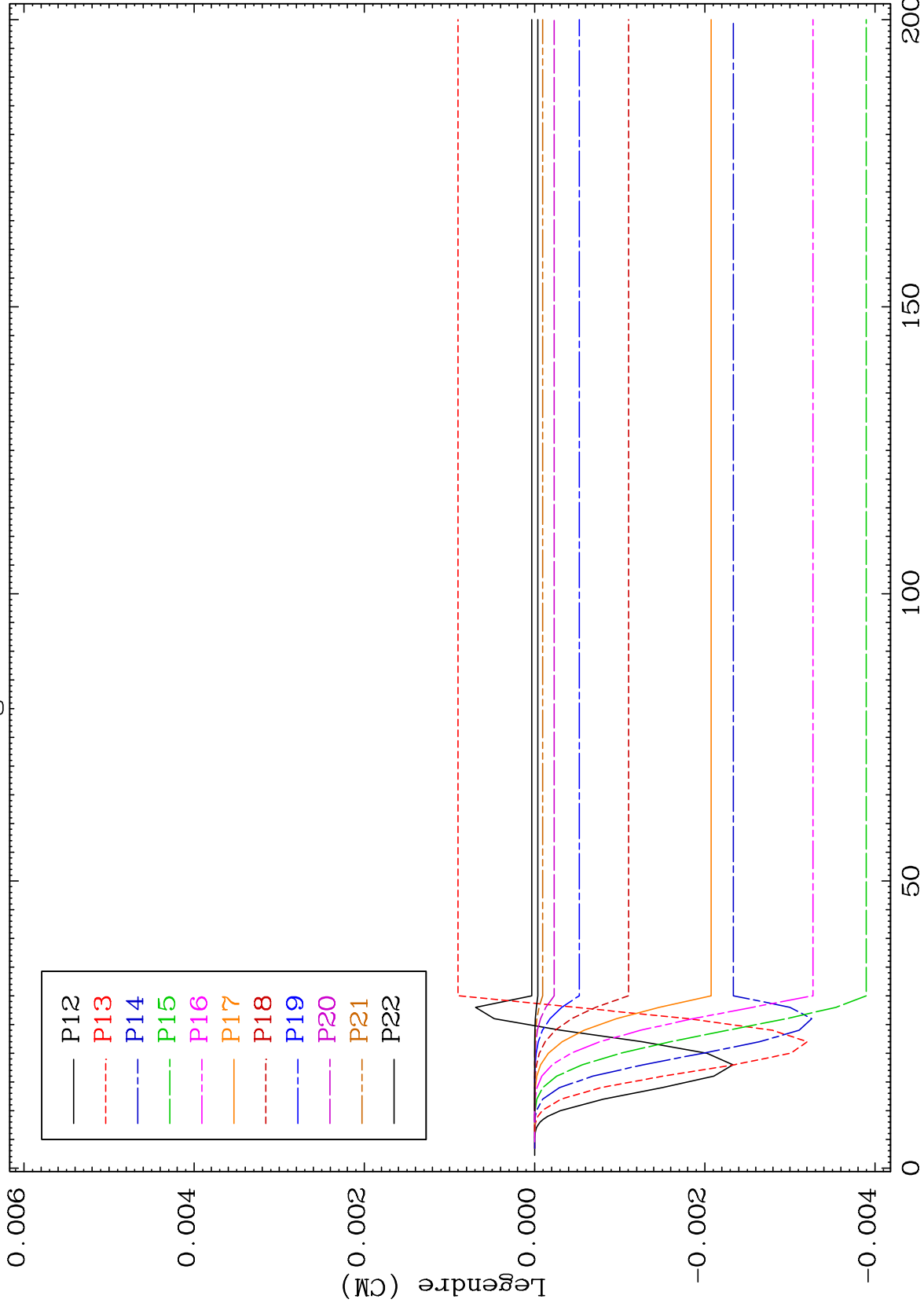
Incident Energy (MeV)

27-Co-62

MAT 2734

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

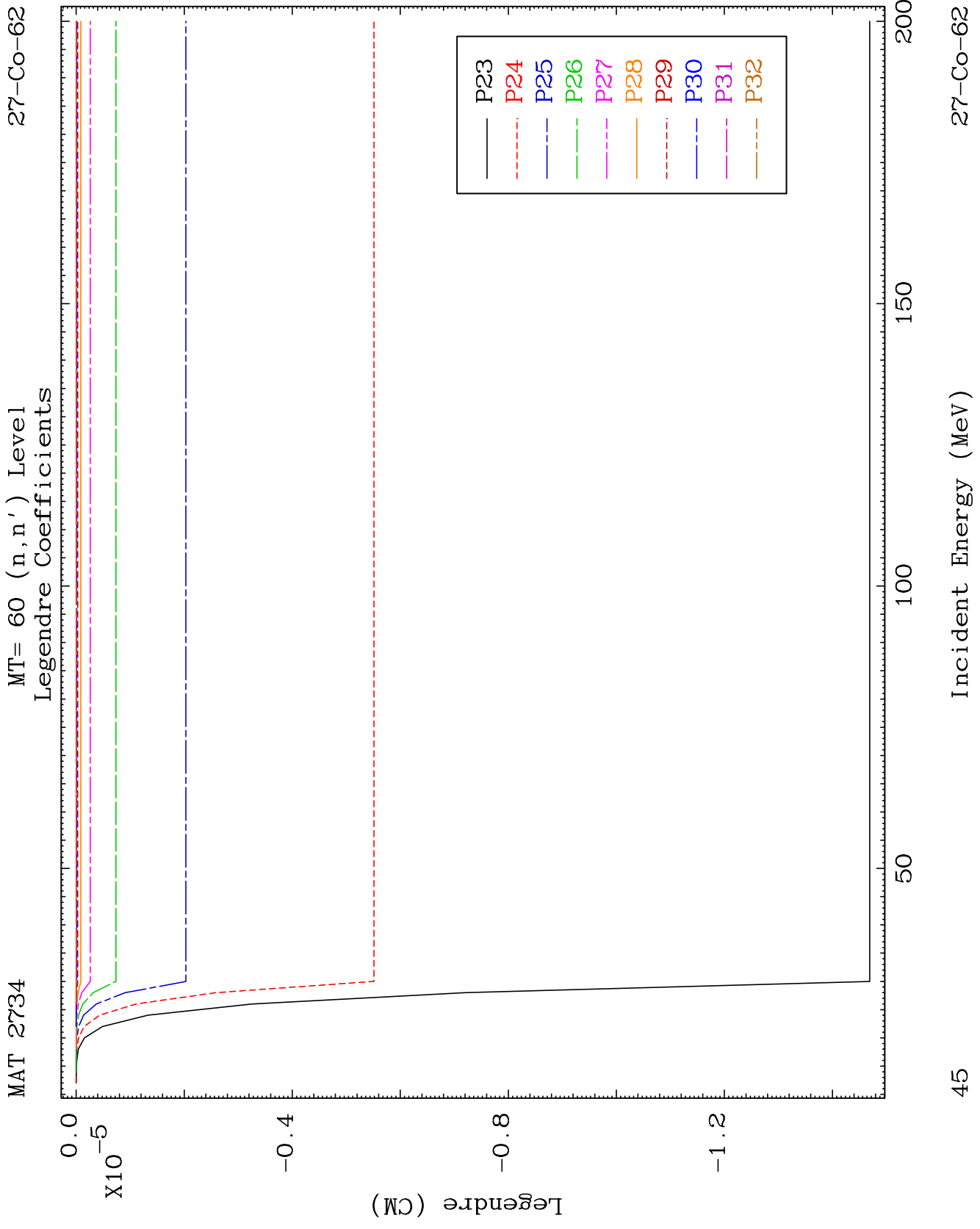
27-Co-62

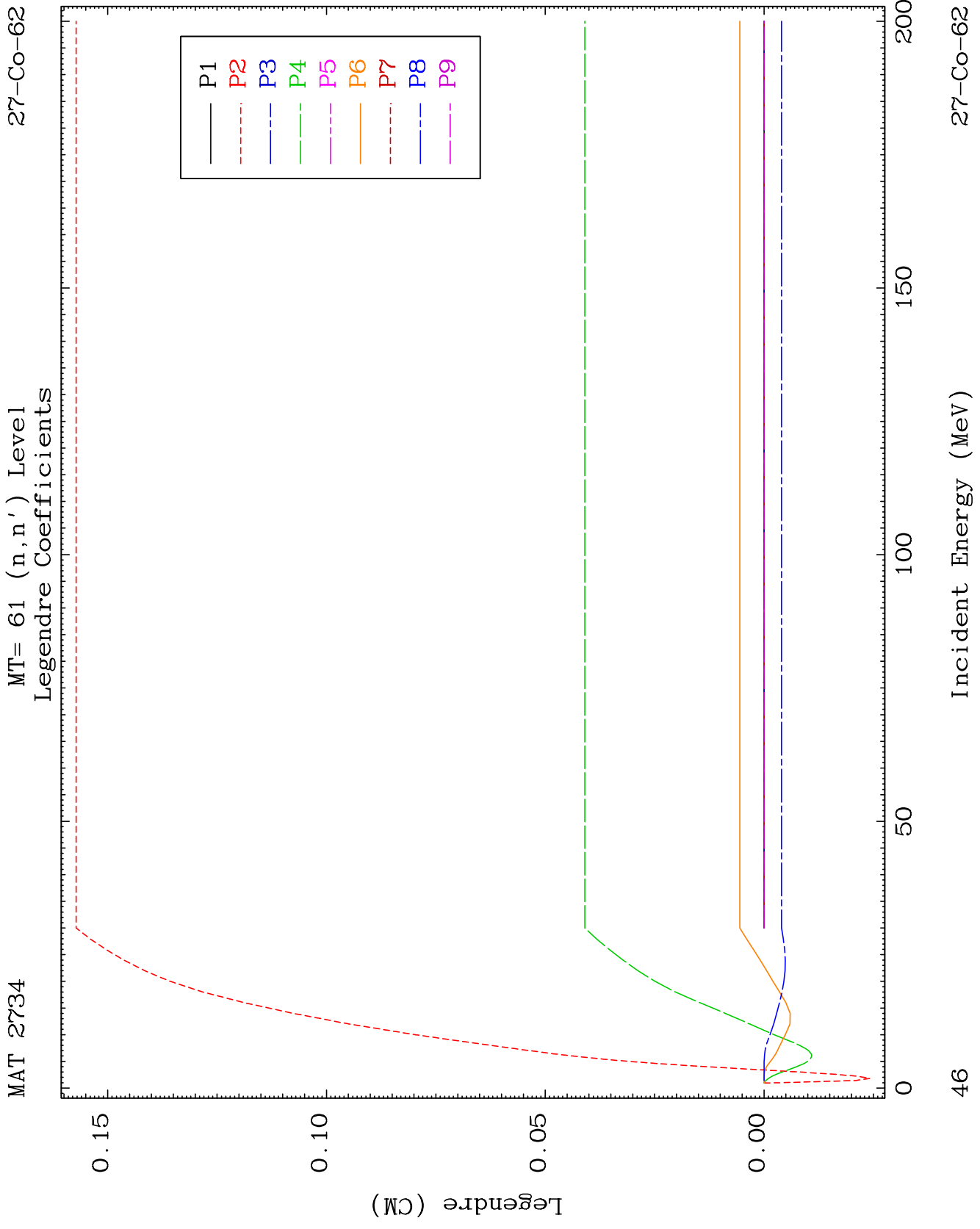


44

Incident Energy (MeV)

27-Co-62

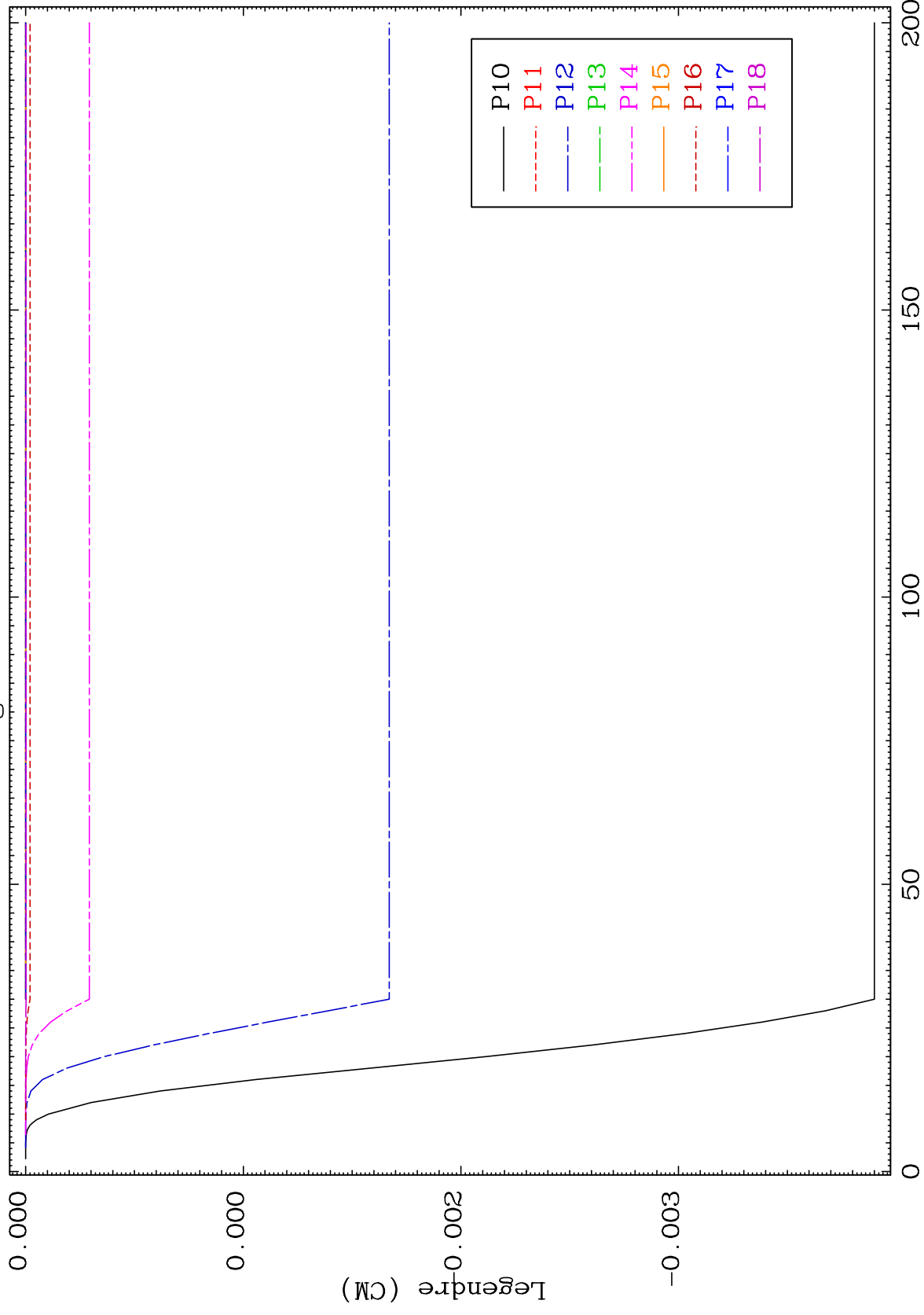




MAT 2734

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

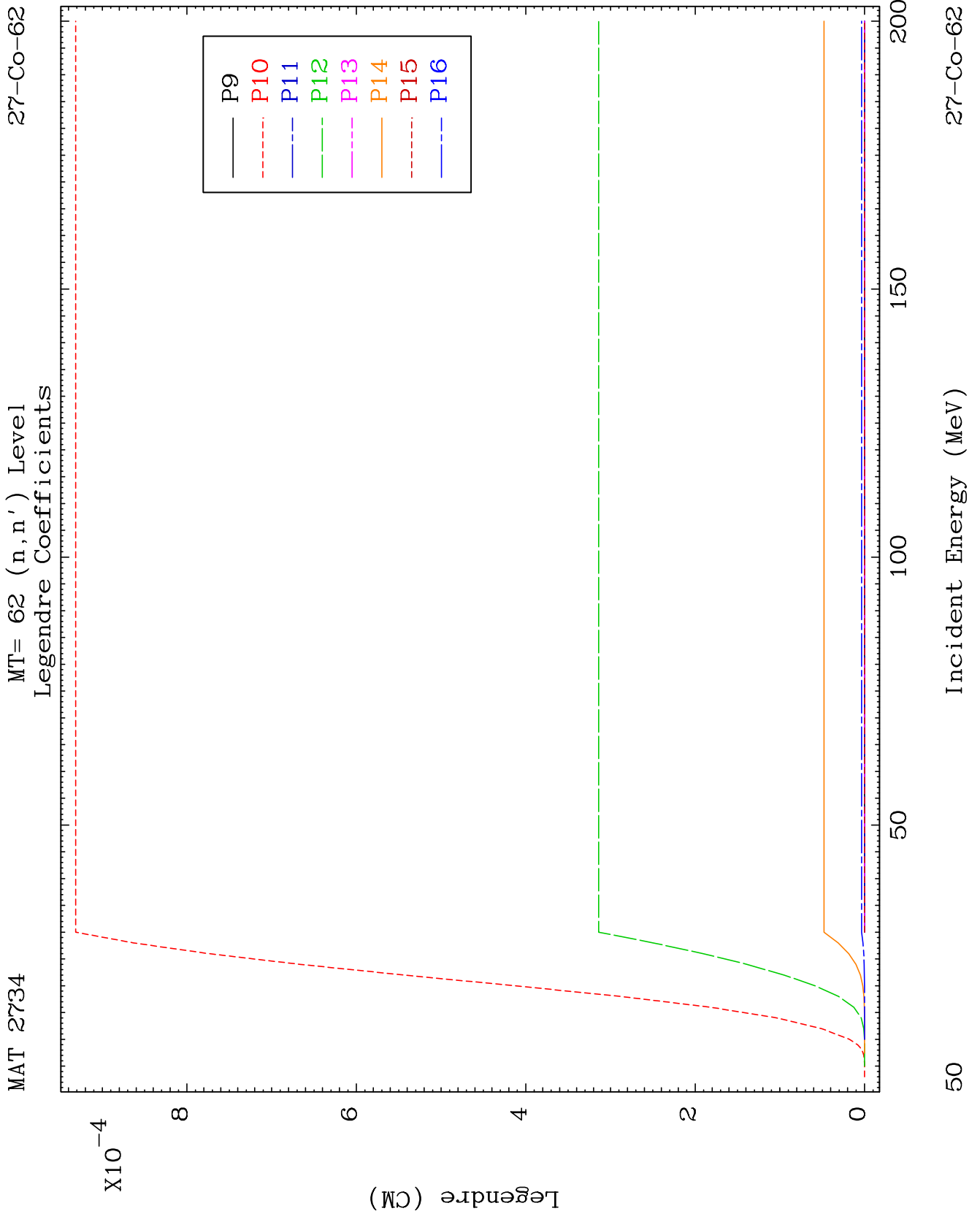
27-Co-62

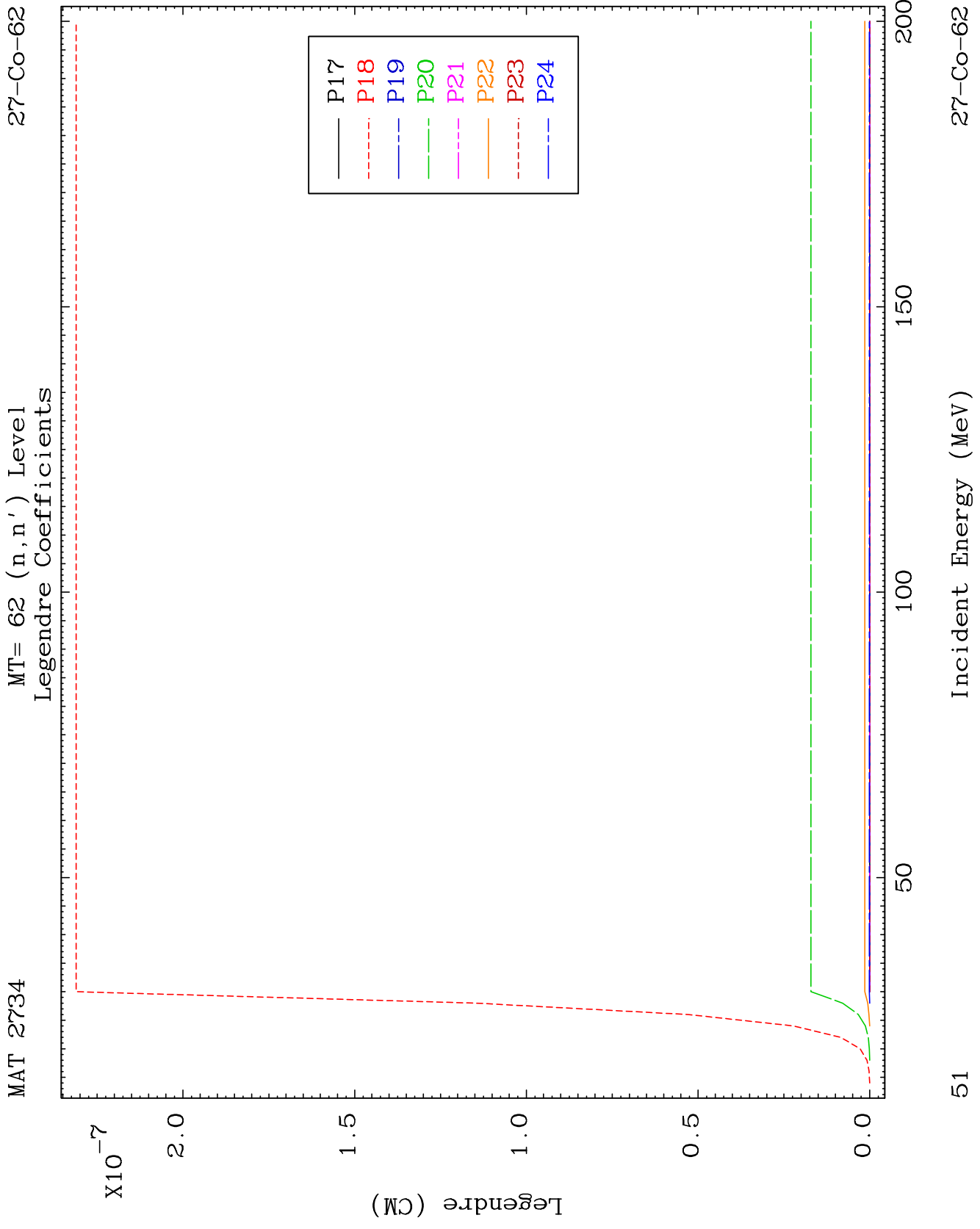


27-Co-62

Incident Energy (MeV)

47

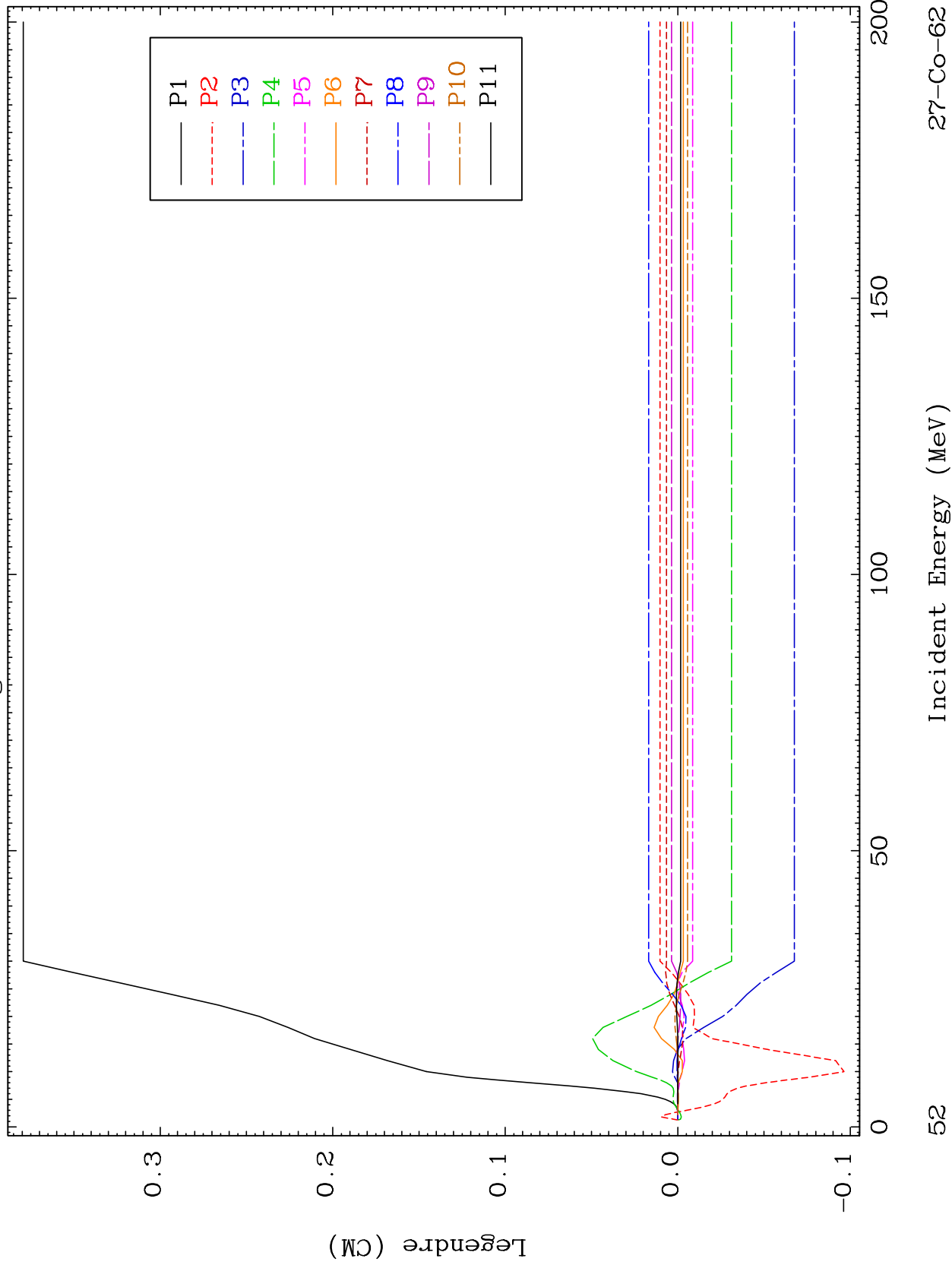




MAT 2734

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

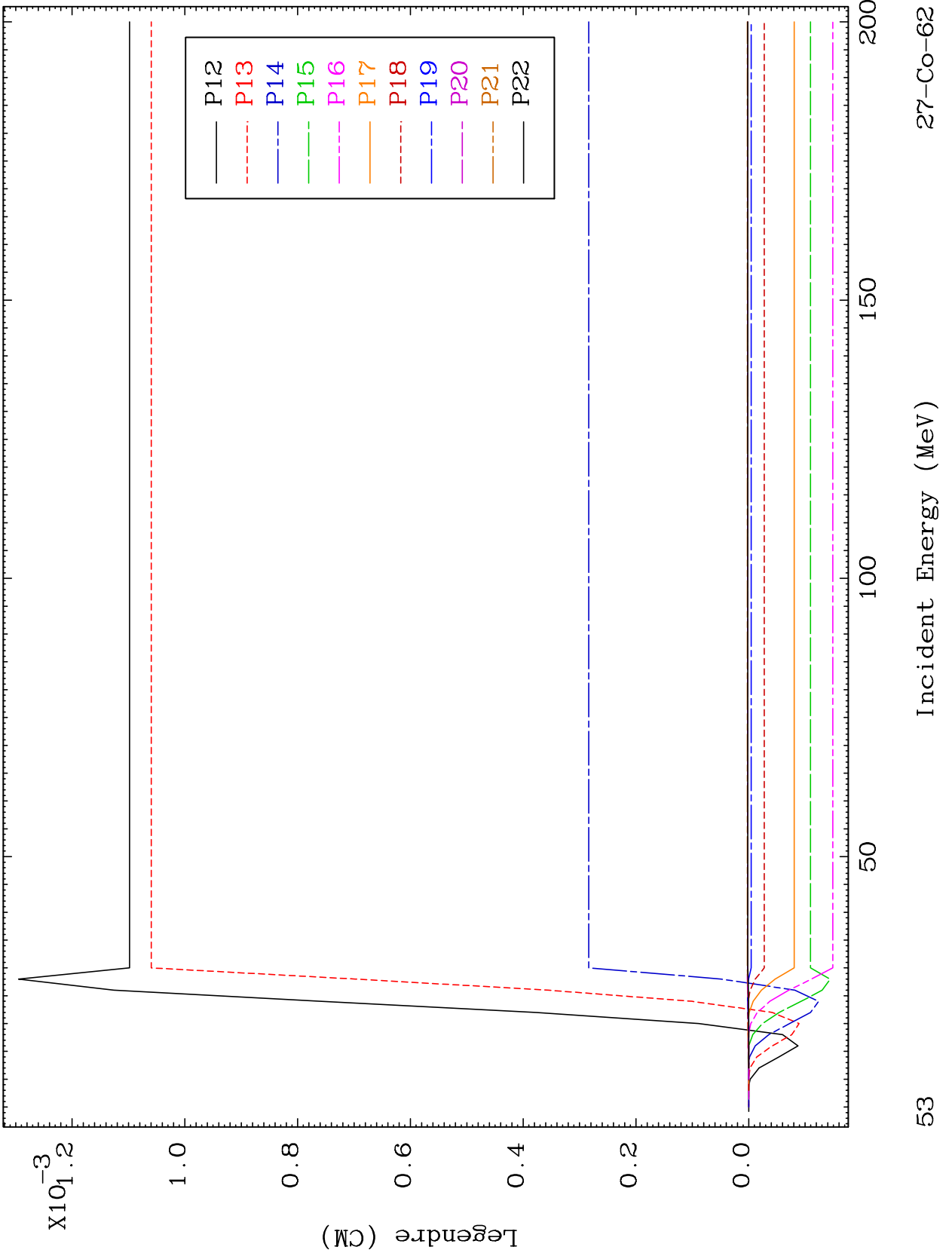
27-Co-62



27-Co-62

Incident Energy (MeV)

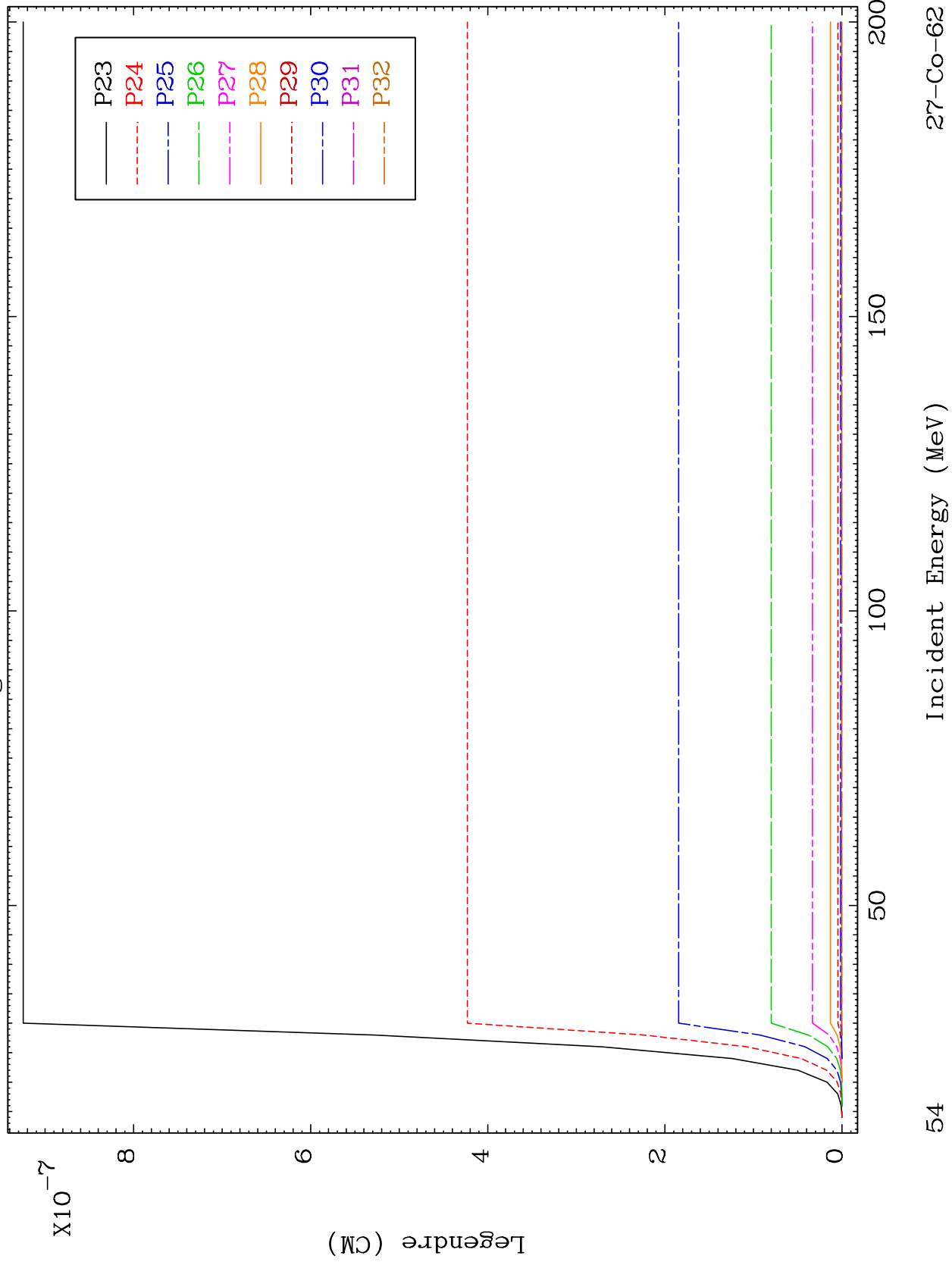
52



MAT 2734

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

27-Co-62



54

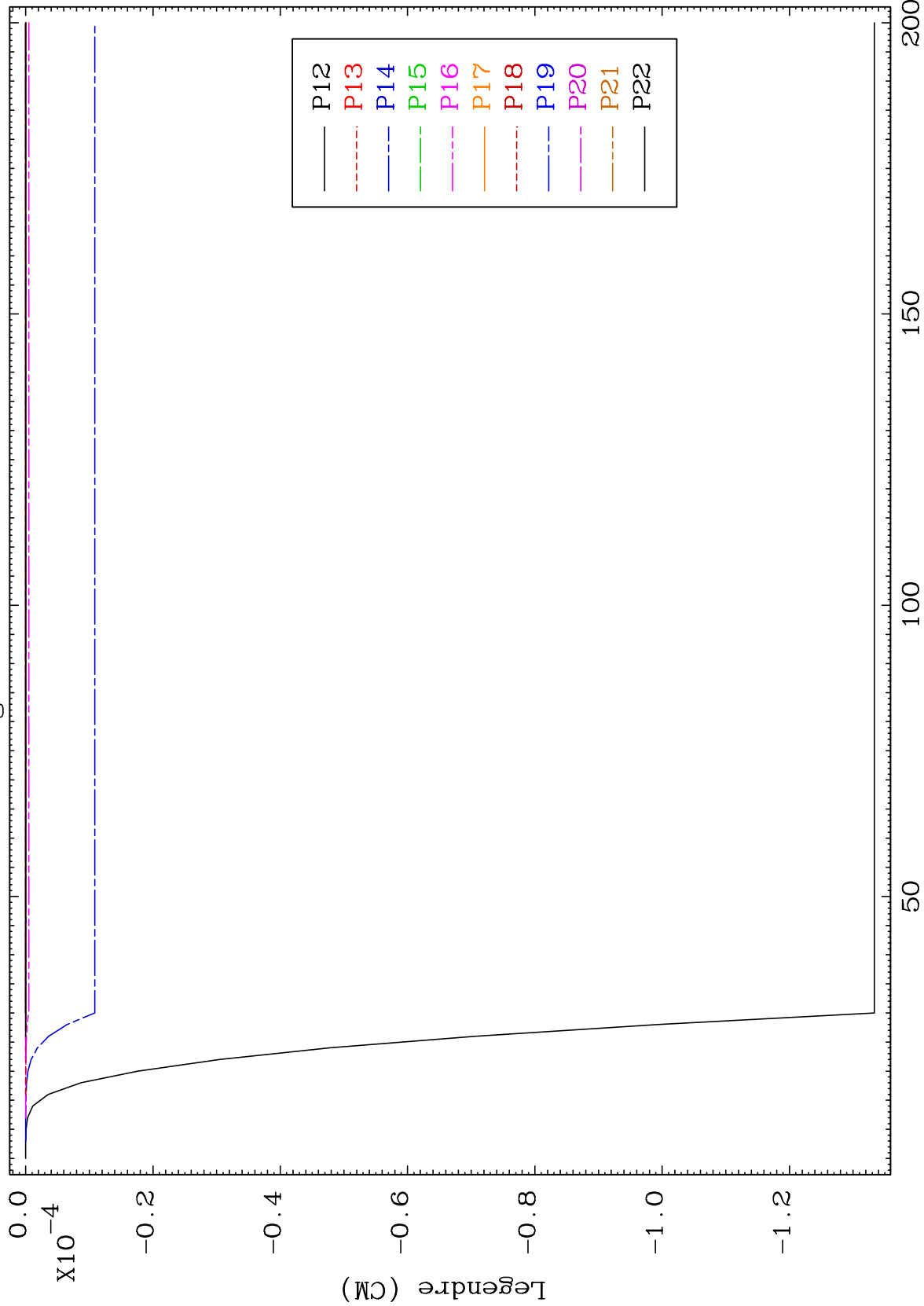
Incident Energy (MeV)

27-Co-62

MAT 2734

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

27-Co-62



56

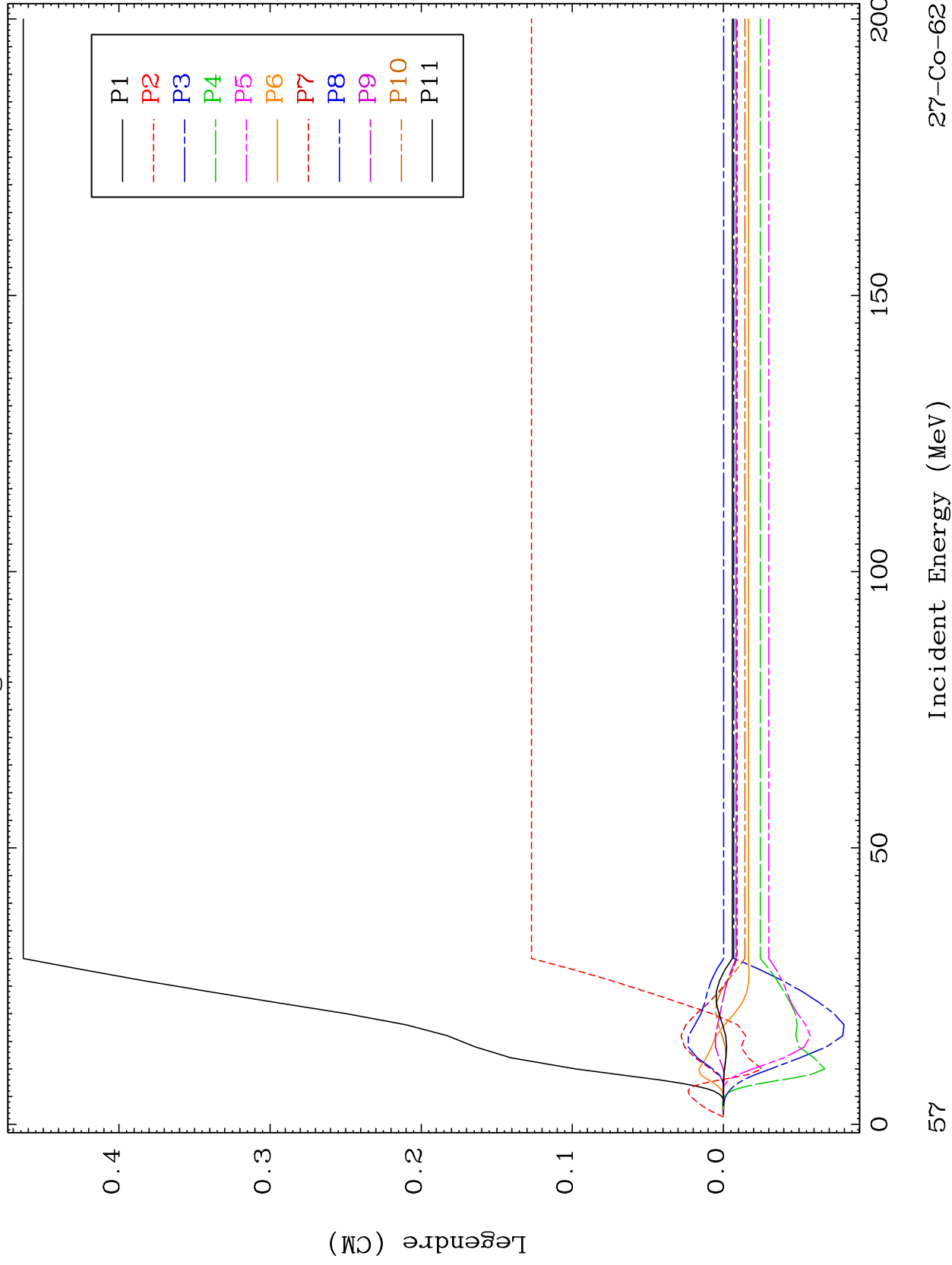
Incident Energy (MeV)

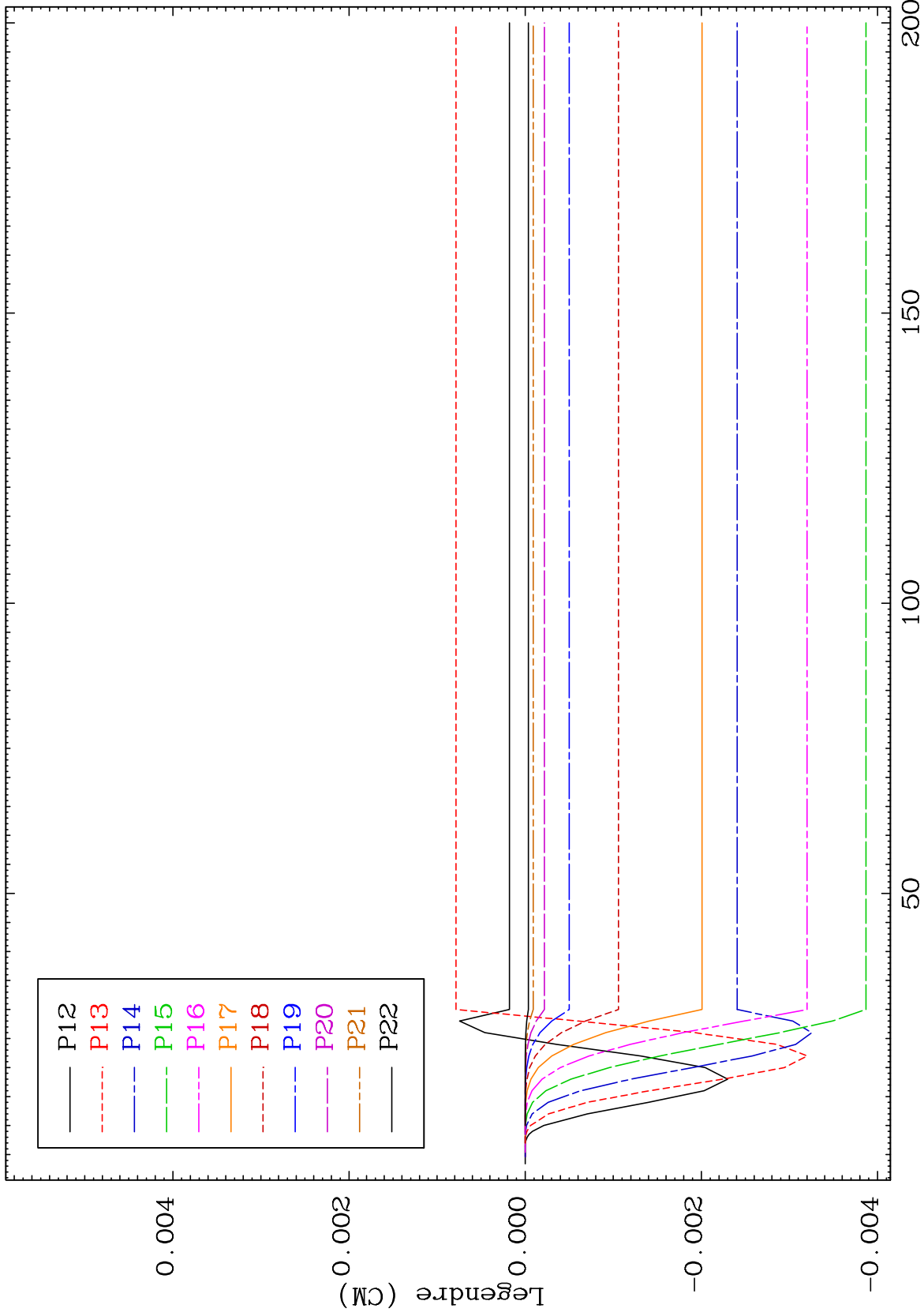
27-Co-62

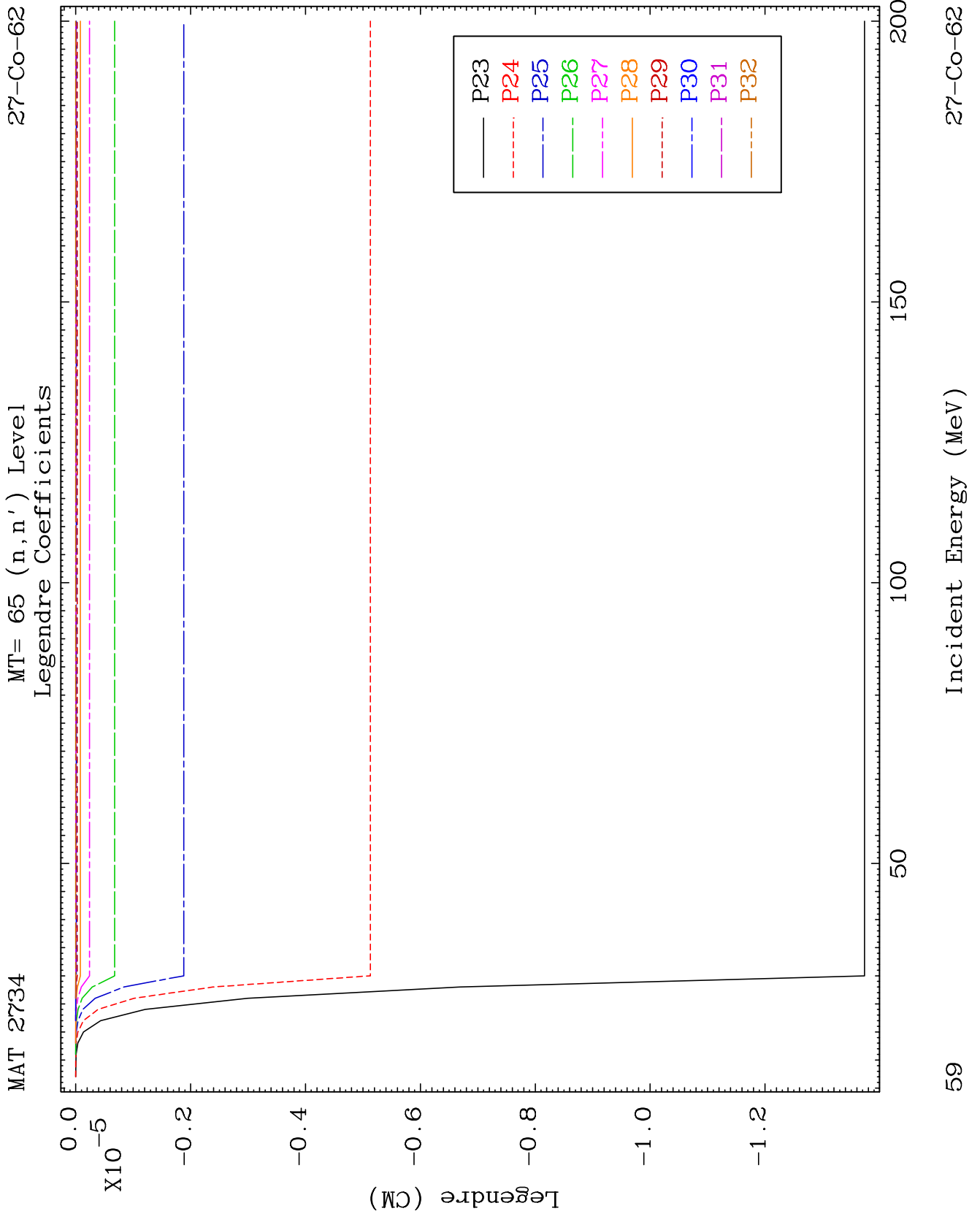
MAT 2734

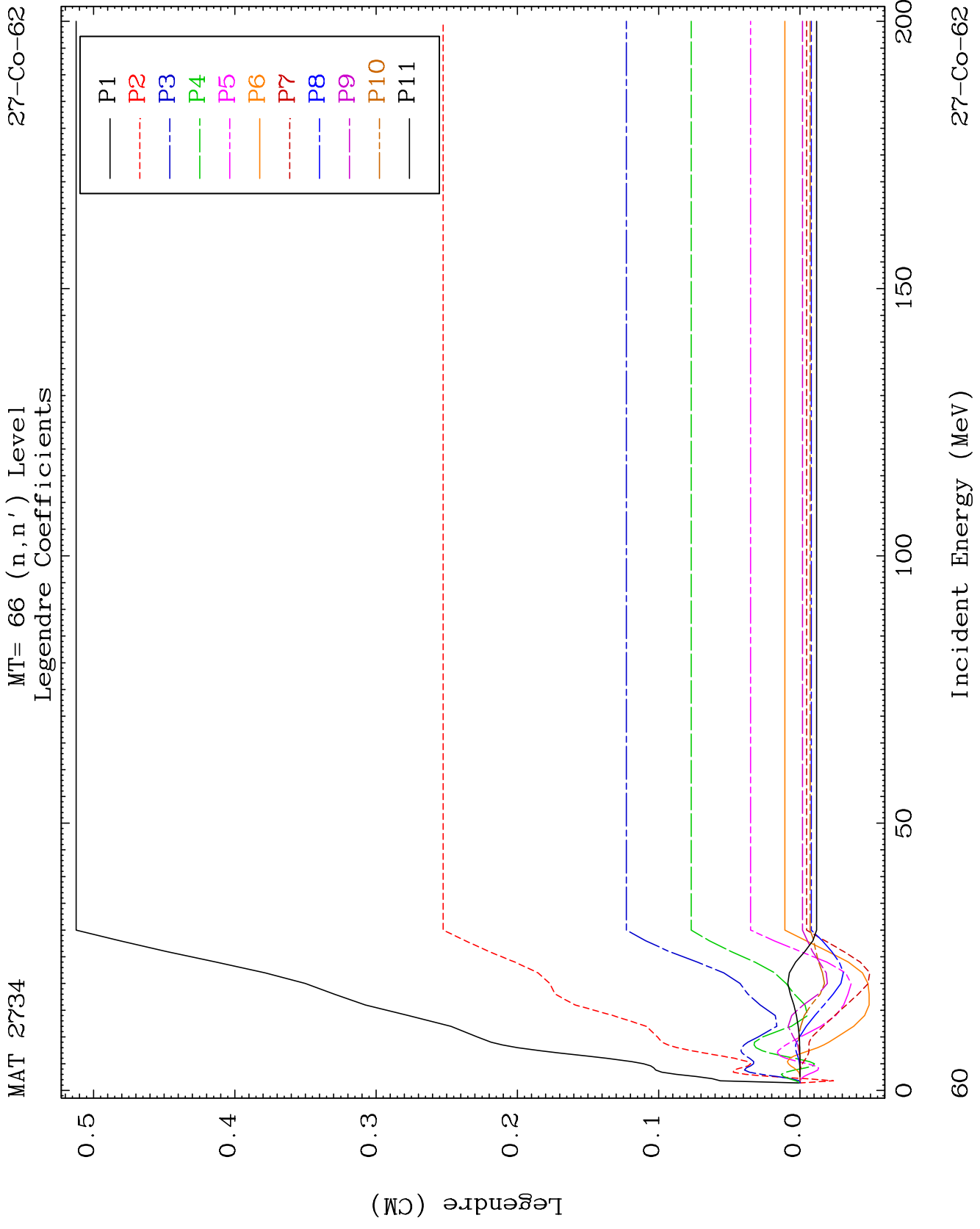
MT= 65 (n,n') Level
Legendre Coefficients

27-Co-62





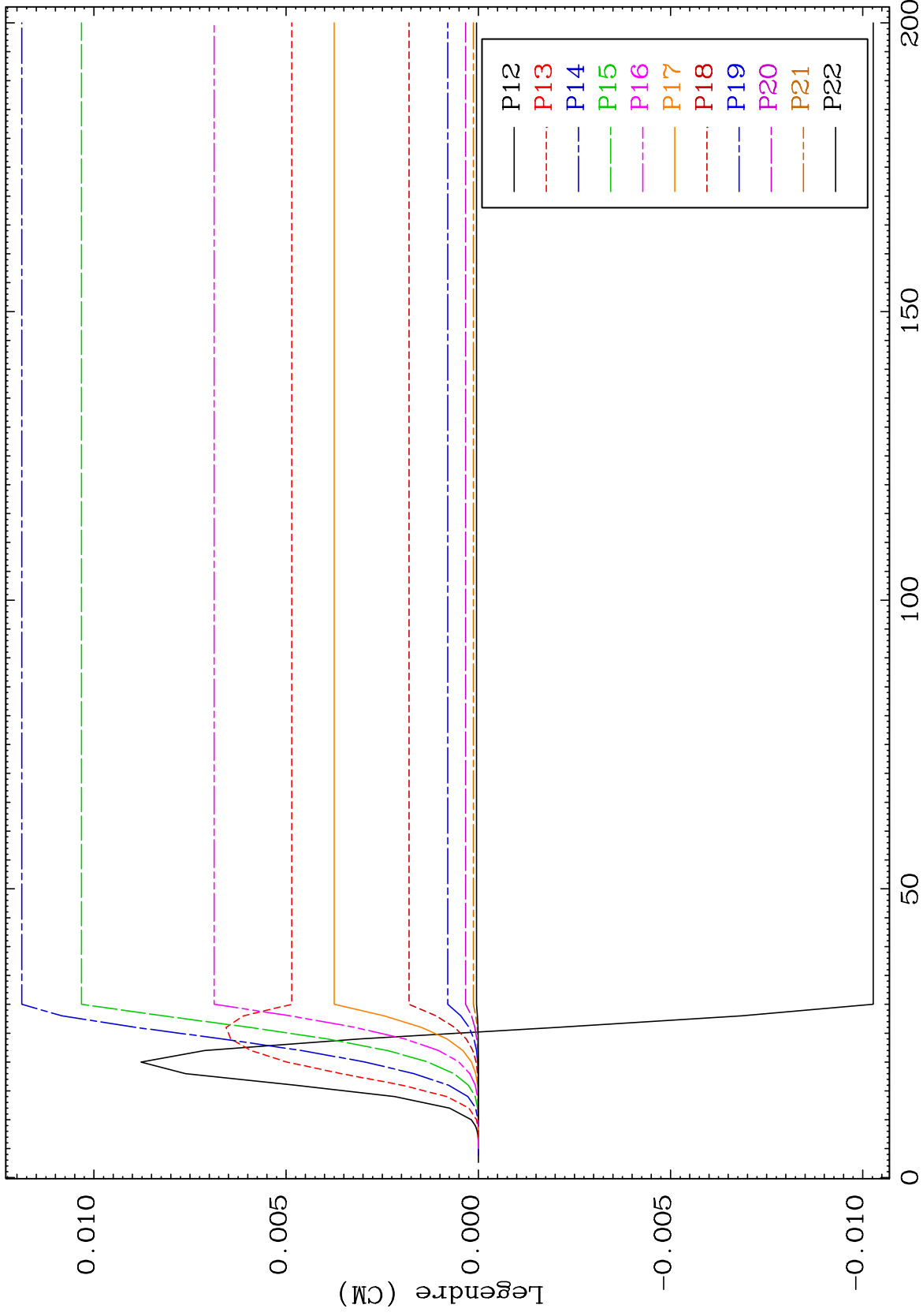




MAT 2734

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

27-Co-62



61

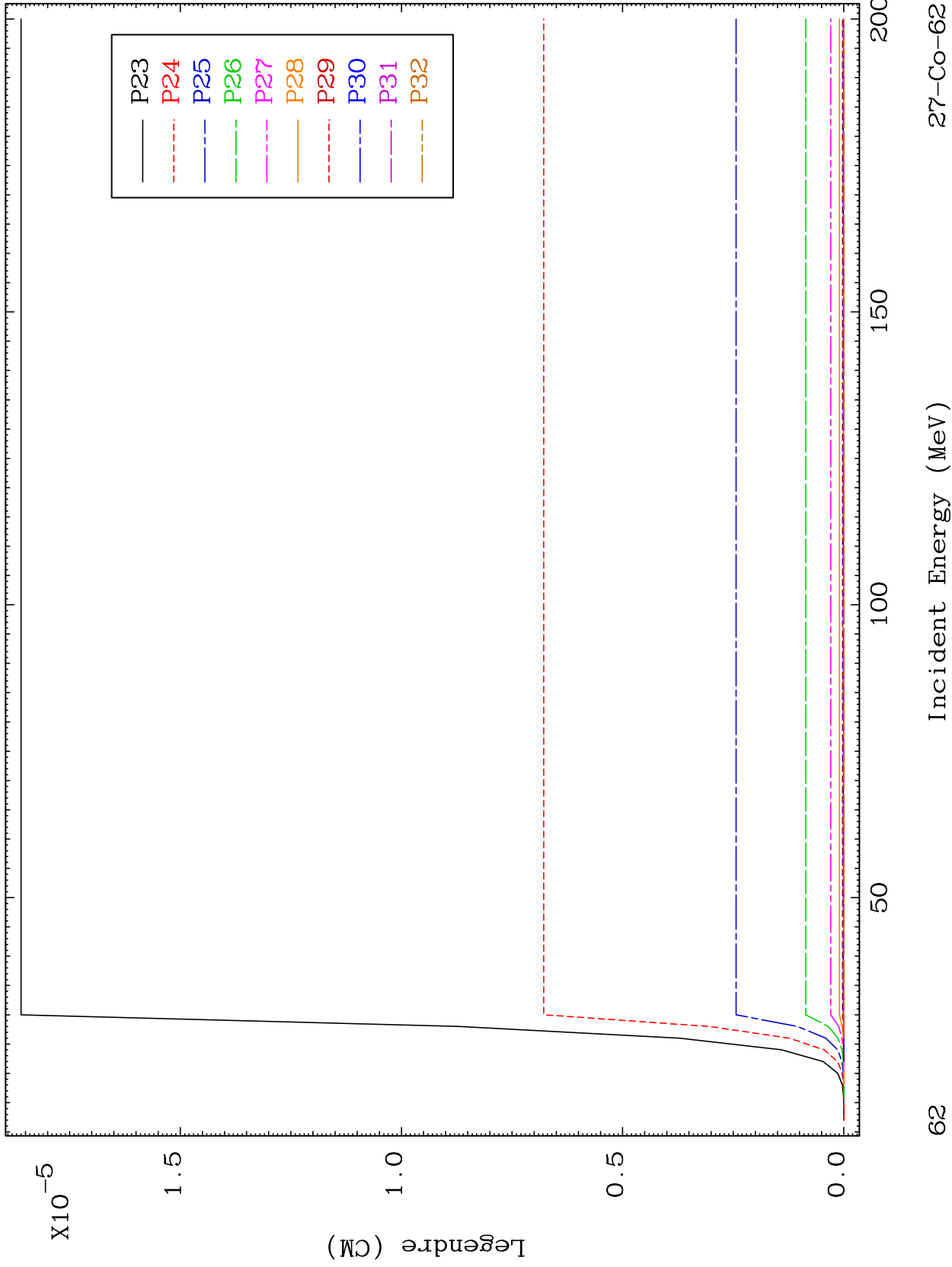
Incident Energy (MeV)

27-Co-62

MAT 2734

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

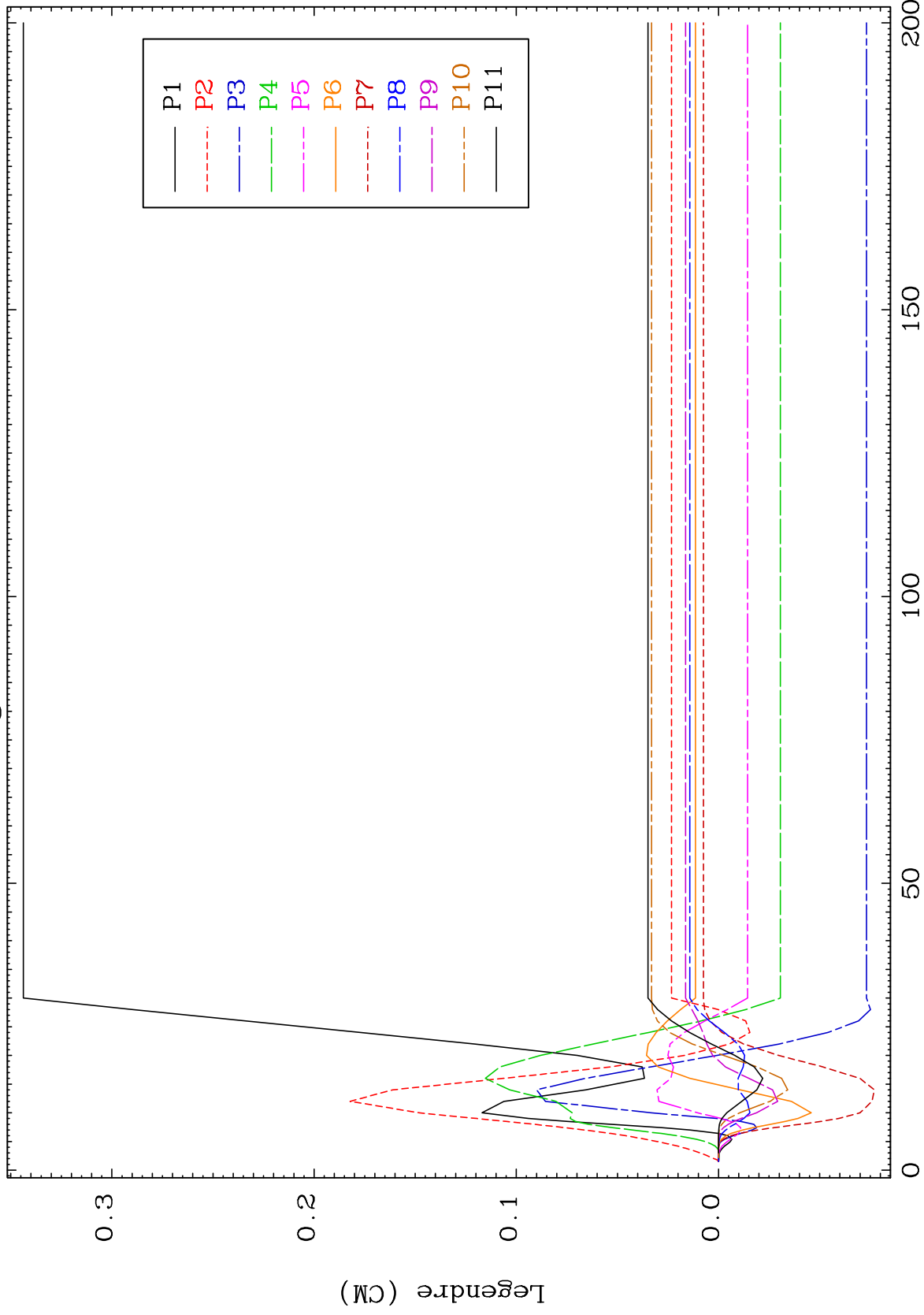
27-Co-62



MAT 2734

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

27-Co-62



63

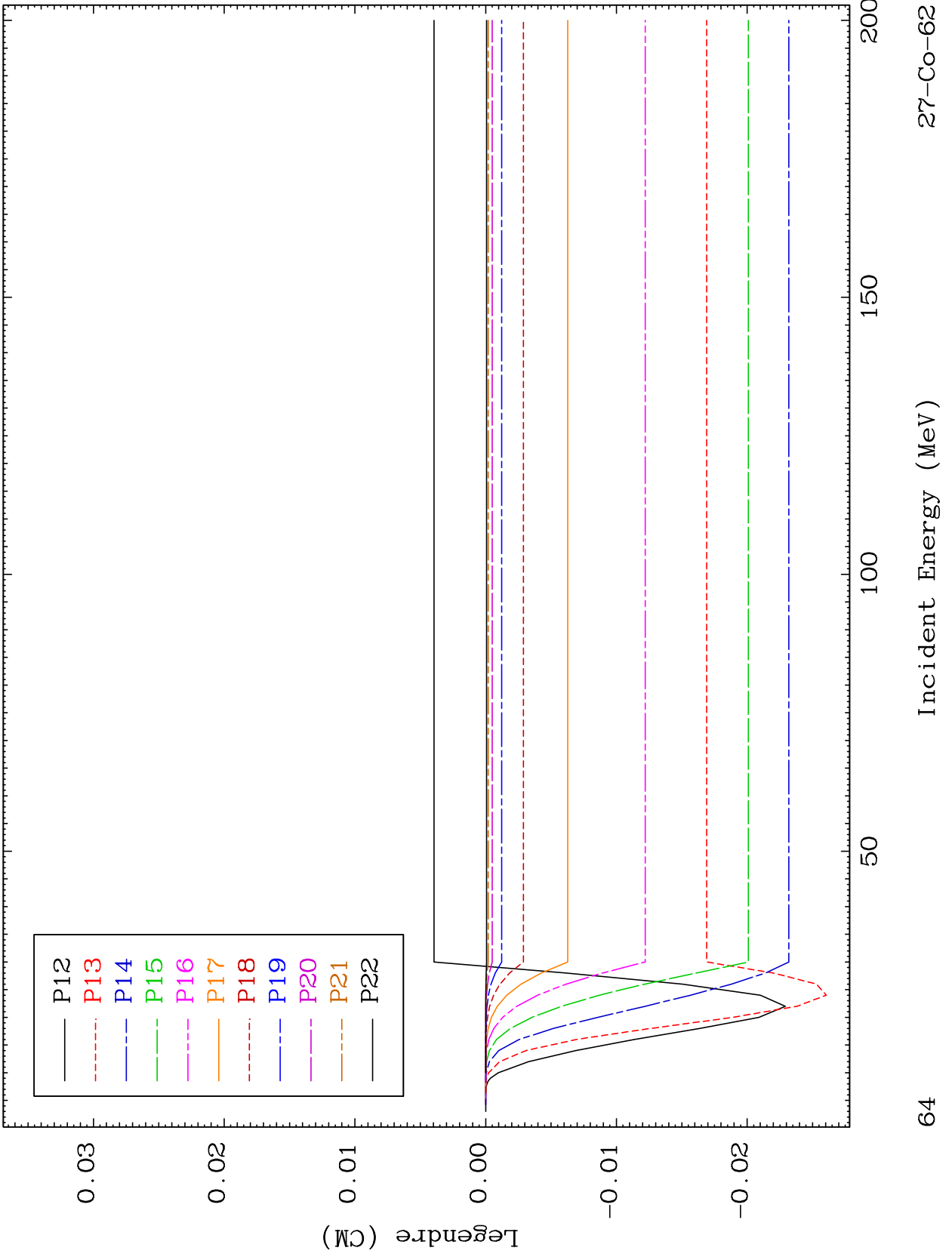
Incident Energy (MeV)

27-Co-62

MAT 2734

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

27-Co-62



64

Incident Energy (MeV)

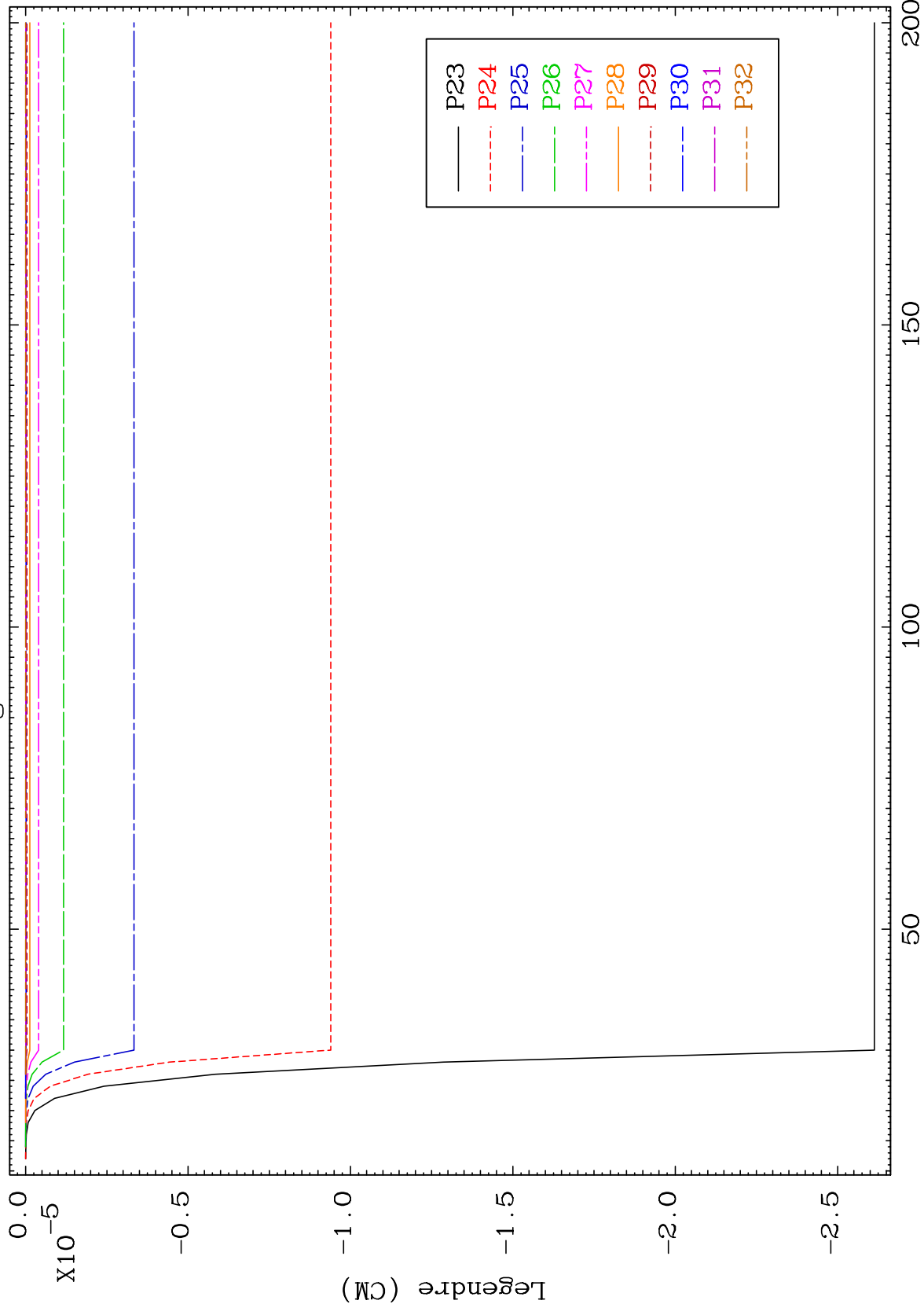
27-Co-62

MAT 2734

MT= 67 (n,n') Level

27-Co-62

Legendre Coefficients



27-Co-62

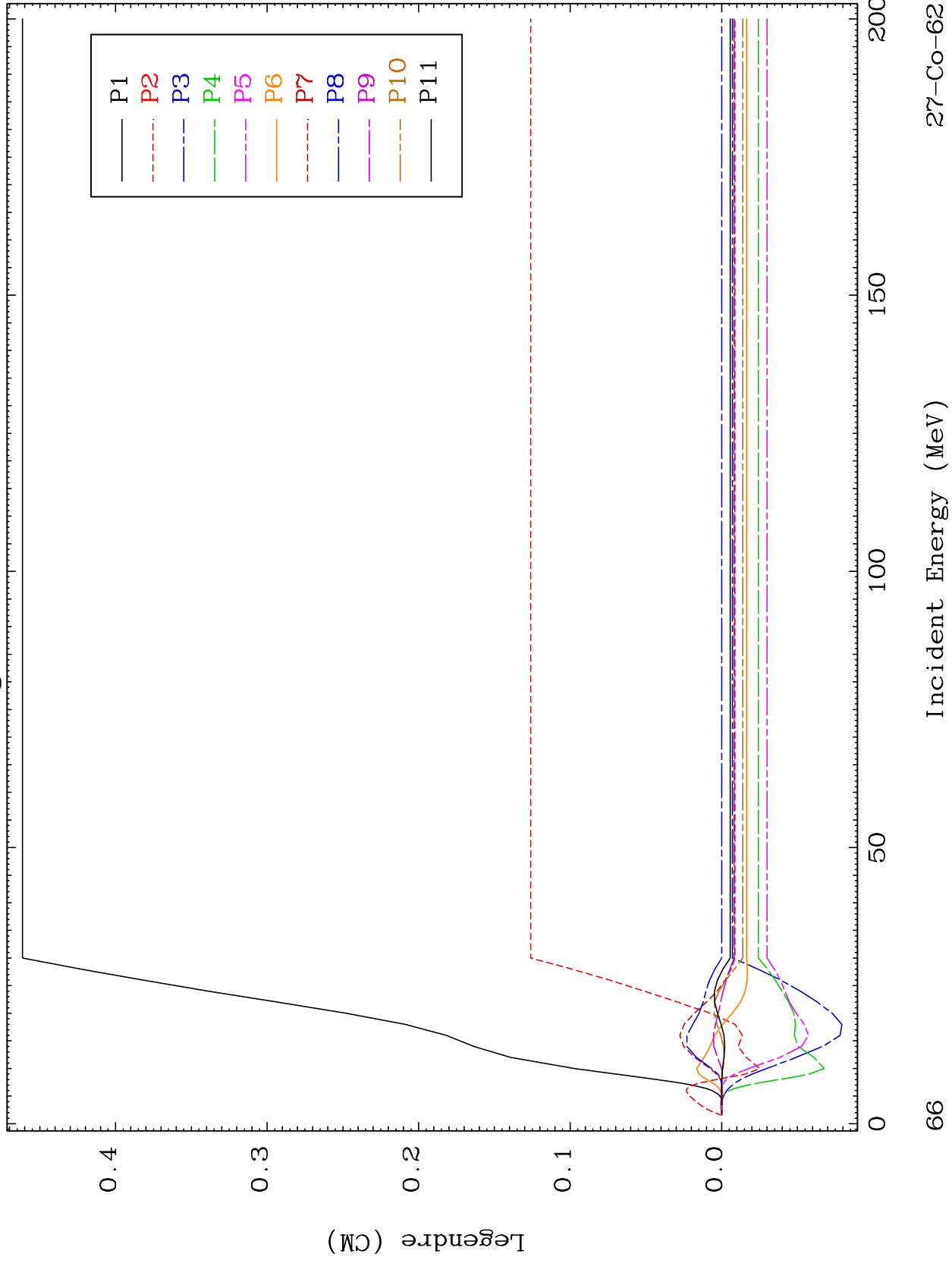
Incident Energy (MeV)

65

MAT 2734

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

27-Co-62



27-Co-62

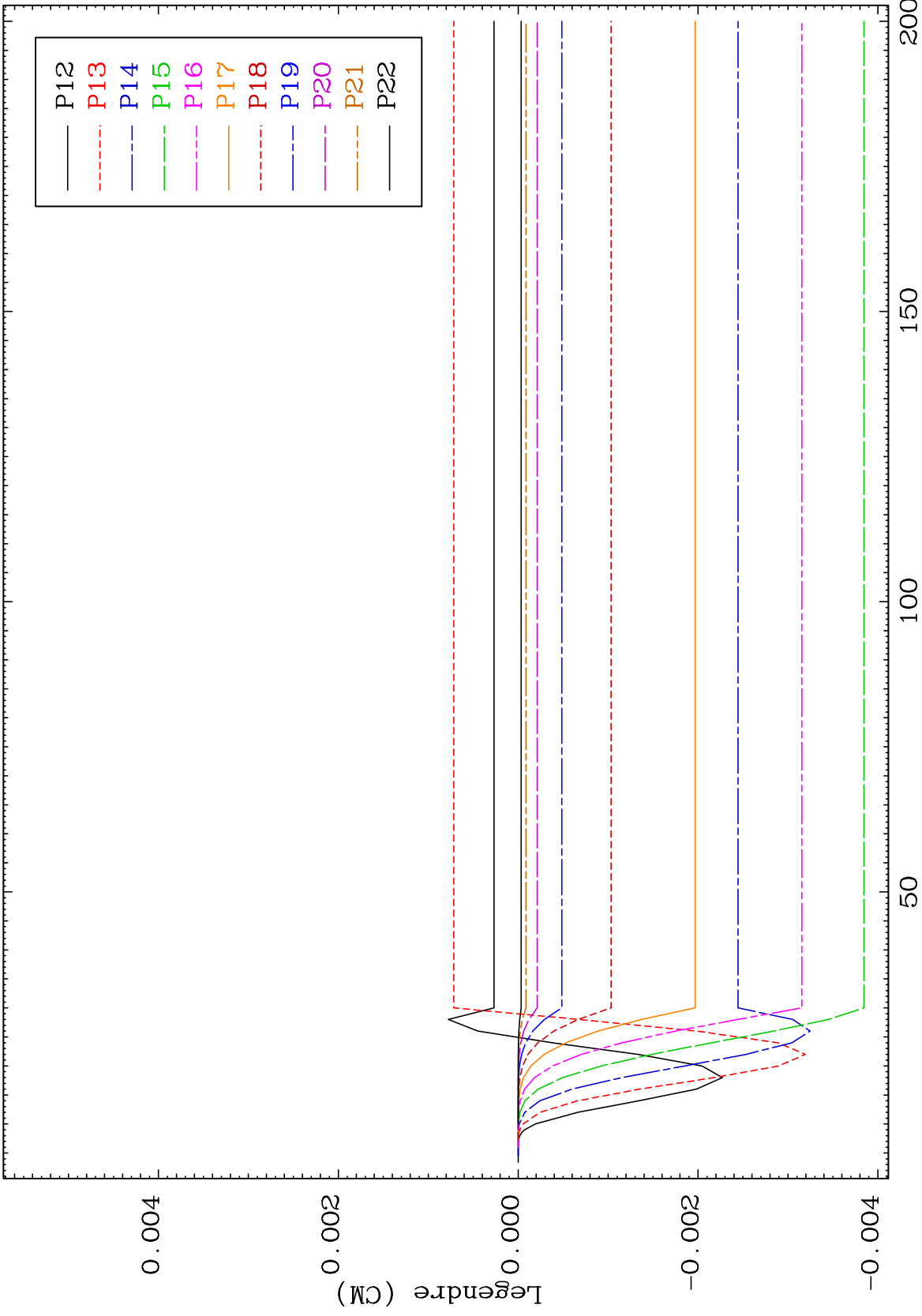
Incident Energy (MeV)

66

MAT 2734

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

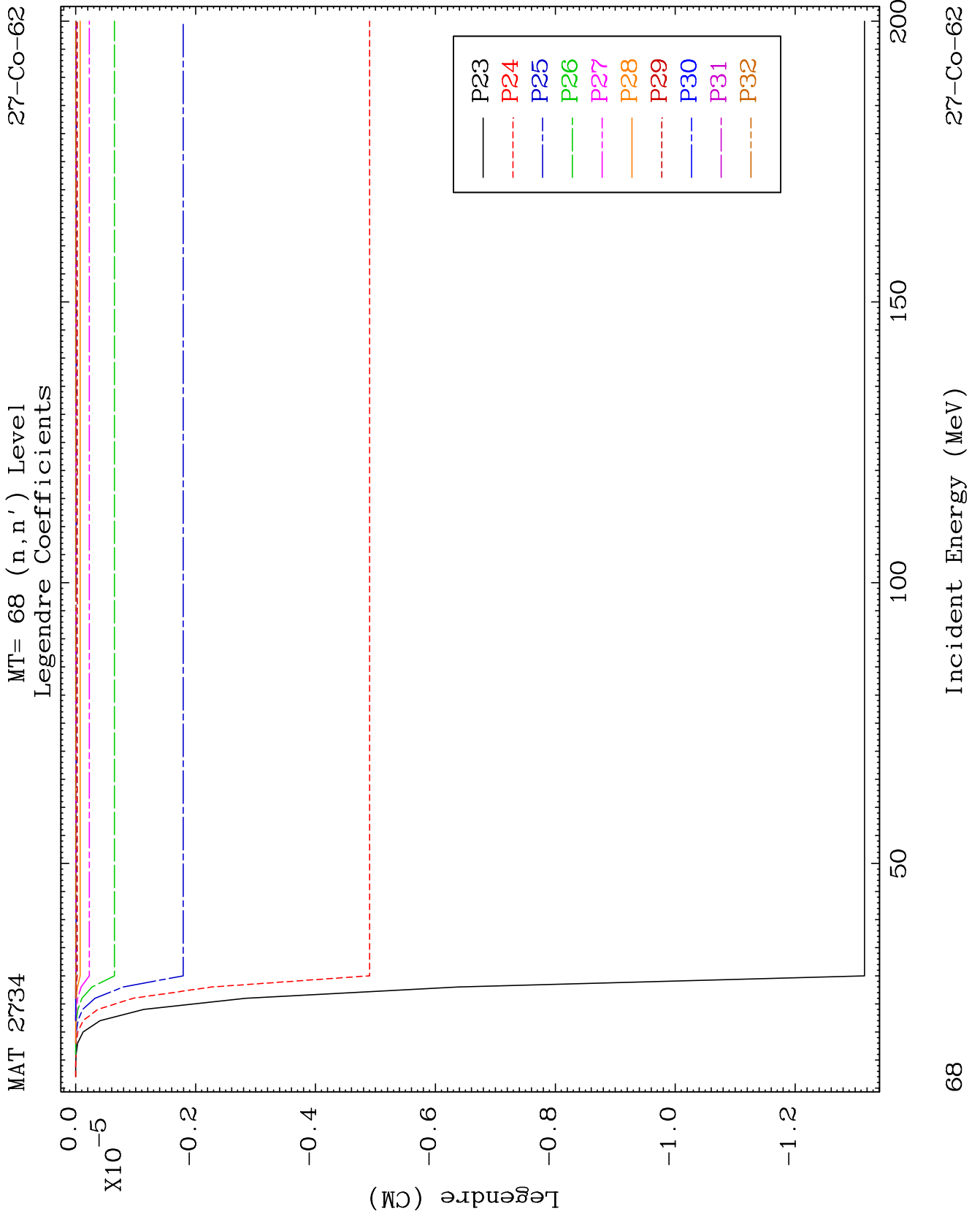
27-Co-62



67

Incident Energy (MeV)

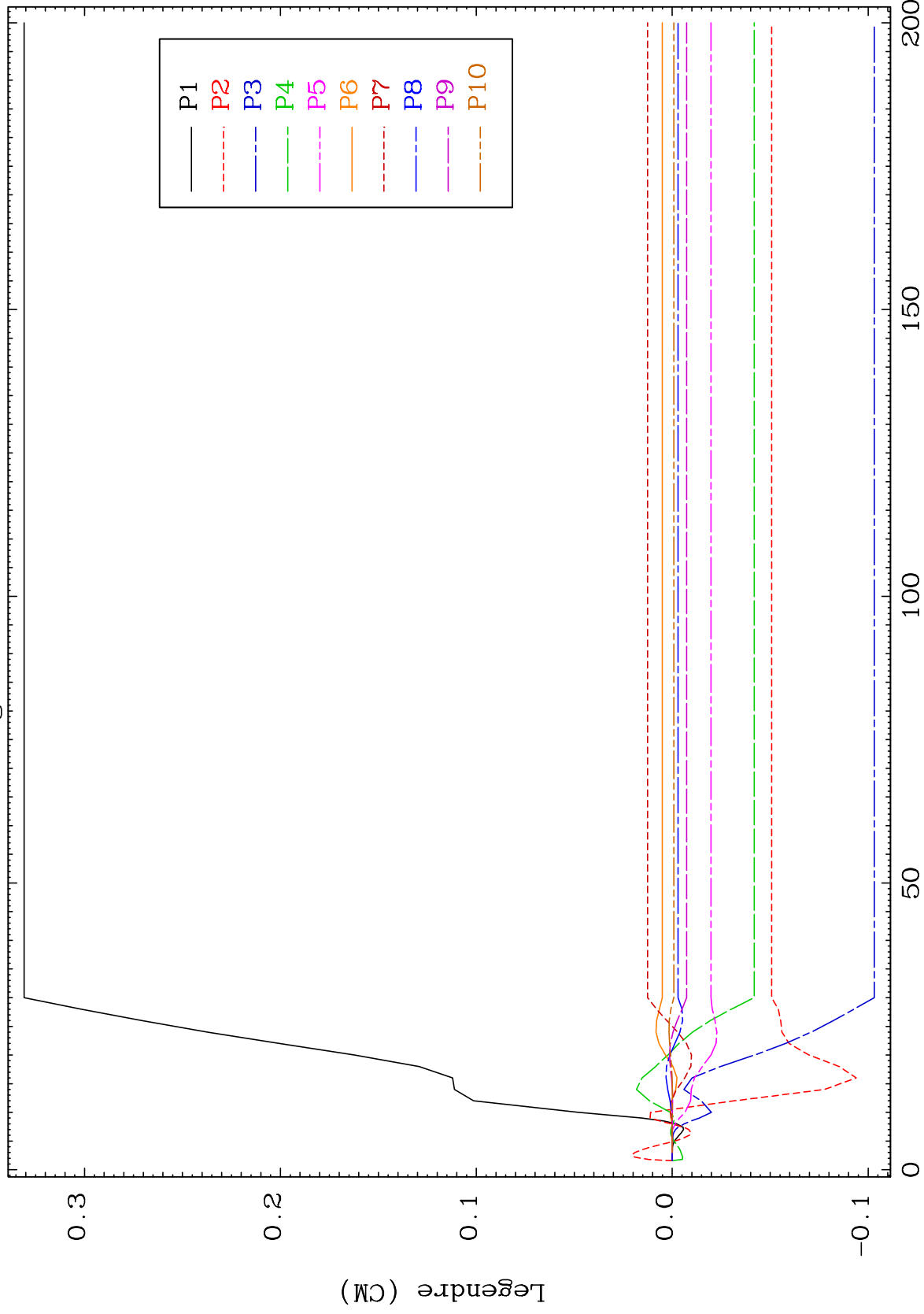
27-Co-62



MAT 2734

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

27-Co-62



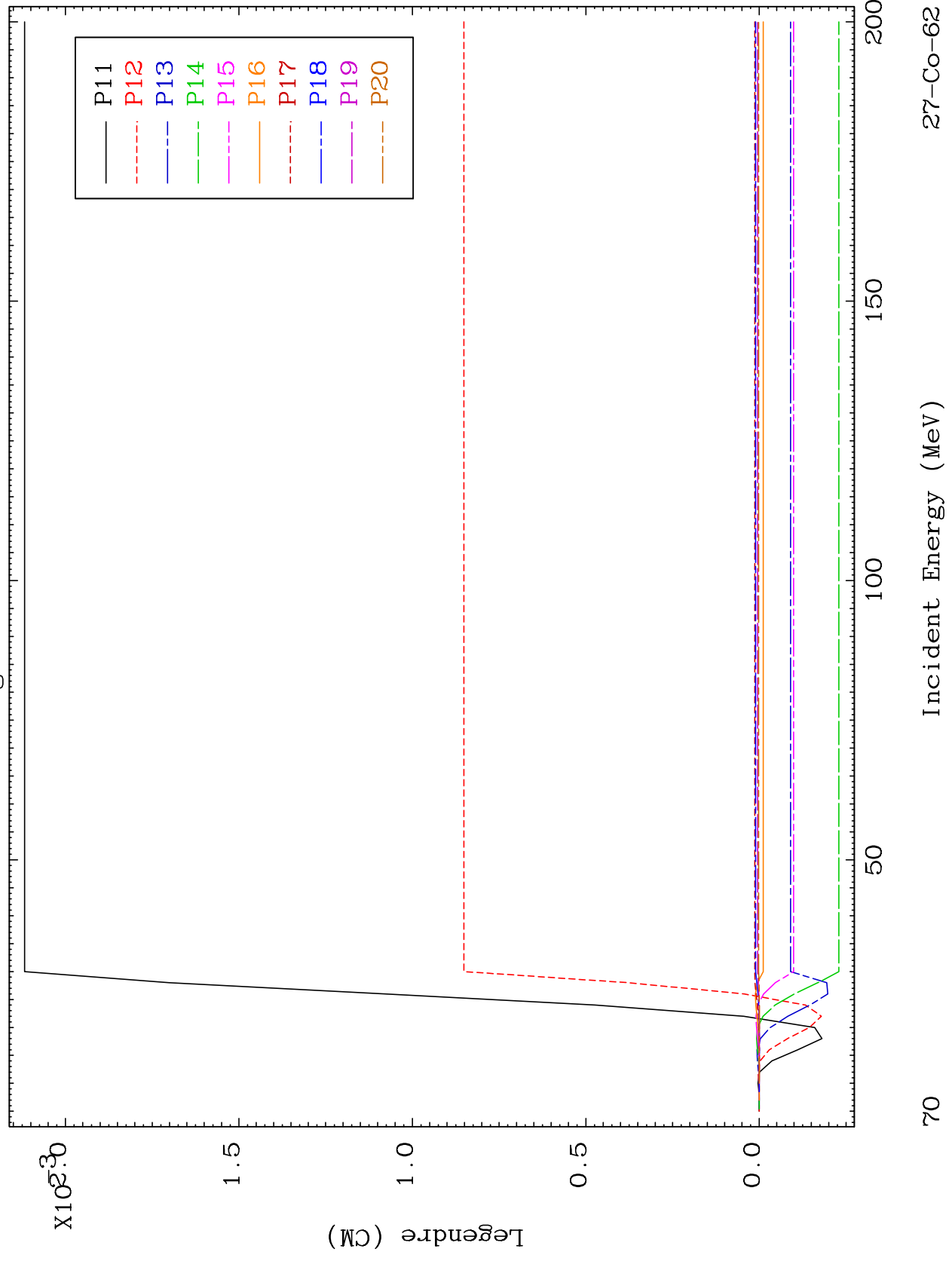
69

27-Co-62

MAT 2734

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

27-Co-62



70

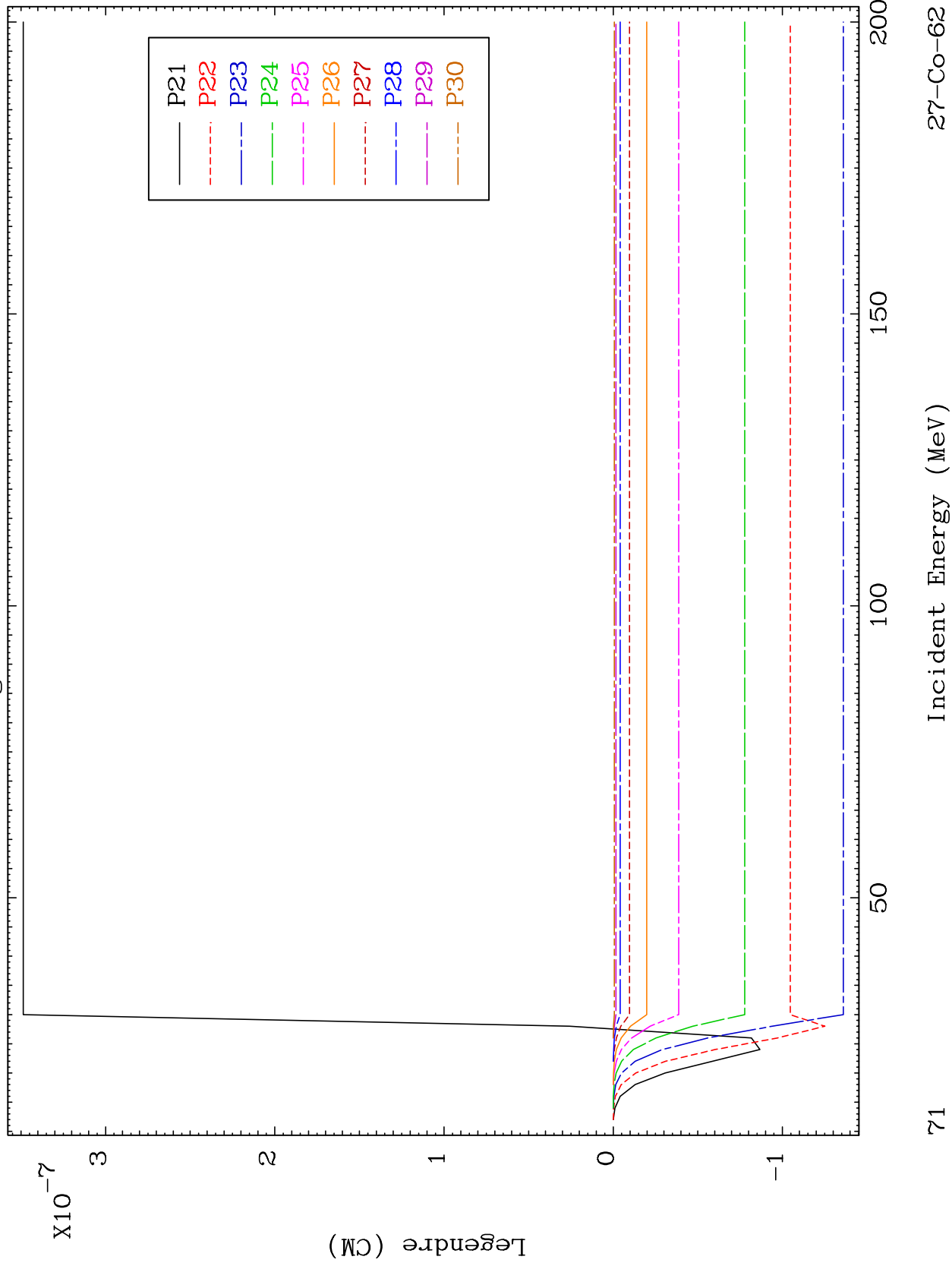
Incident Energy (MeV)

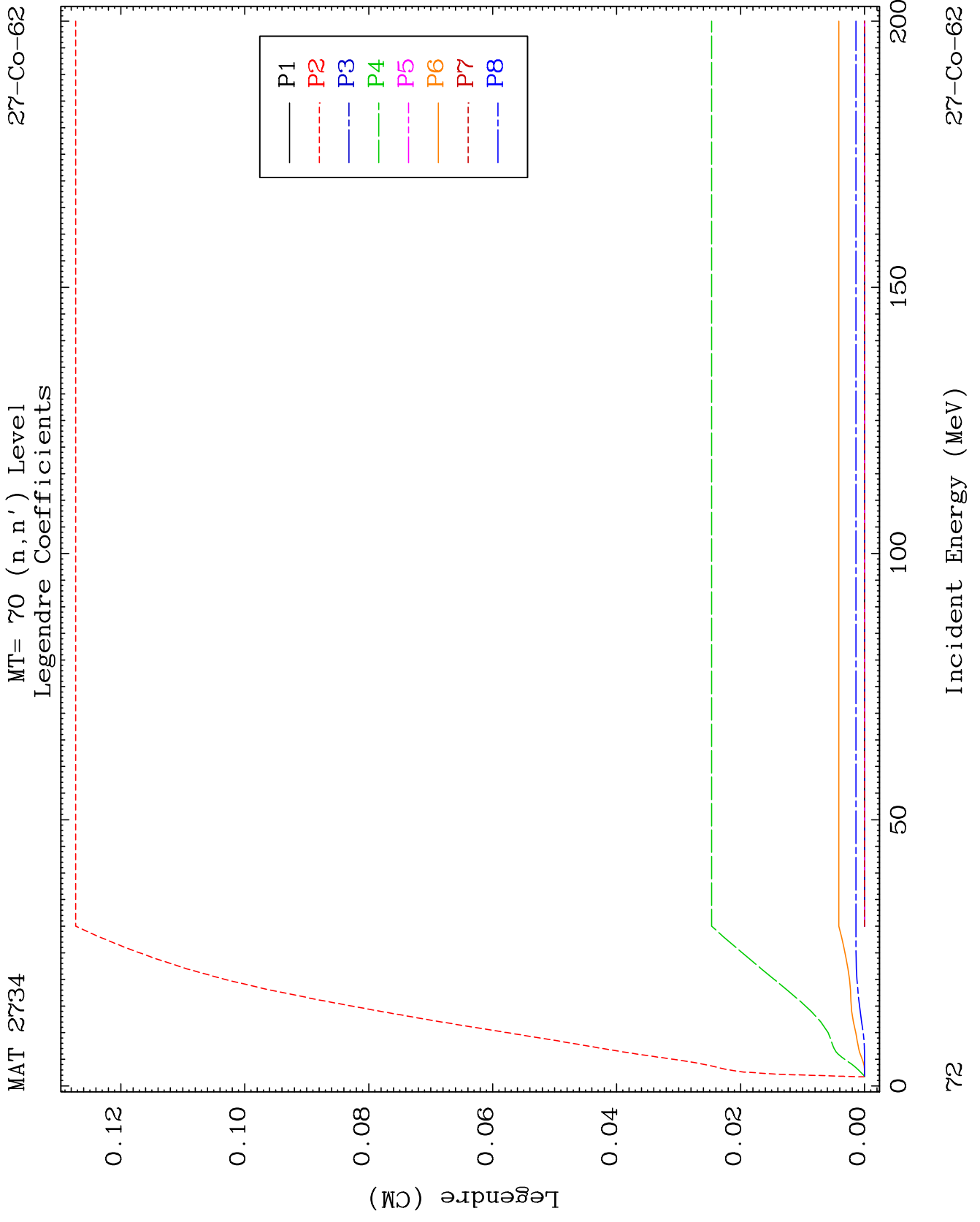
27-Co-62

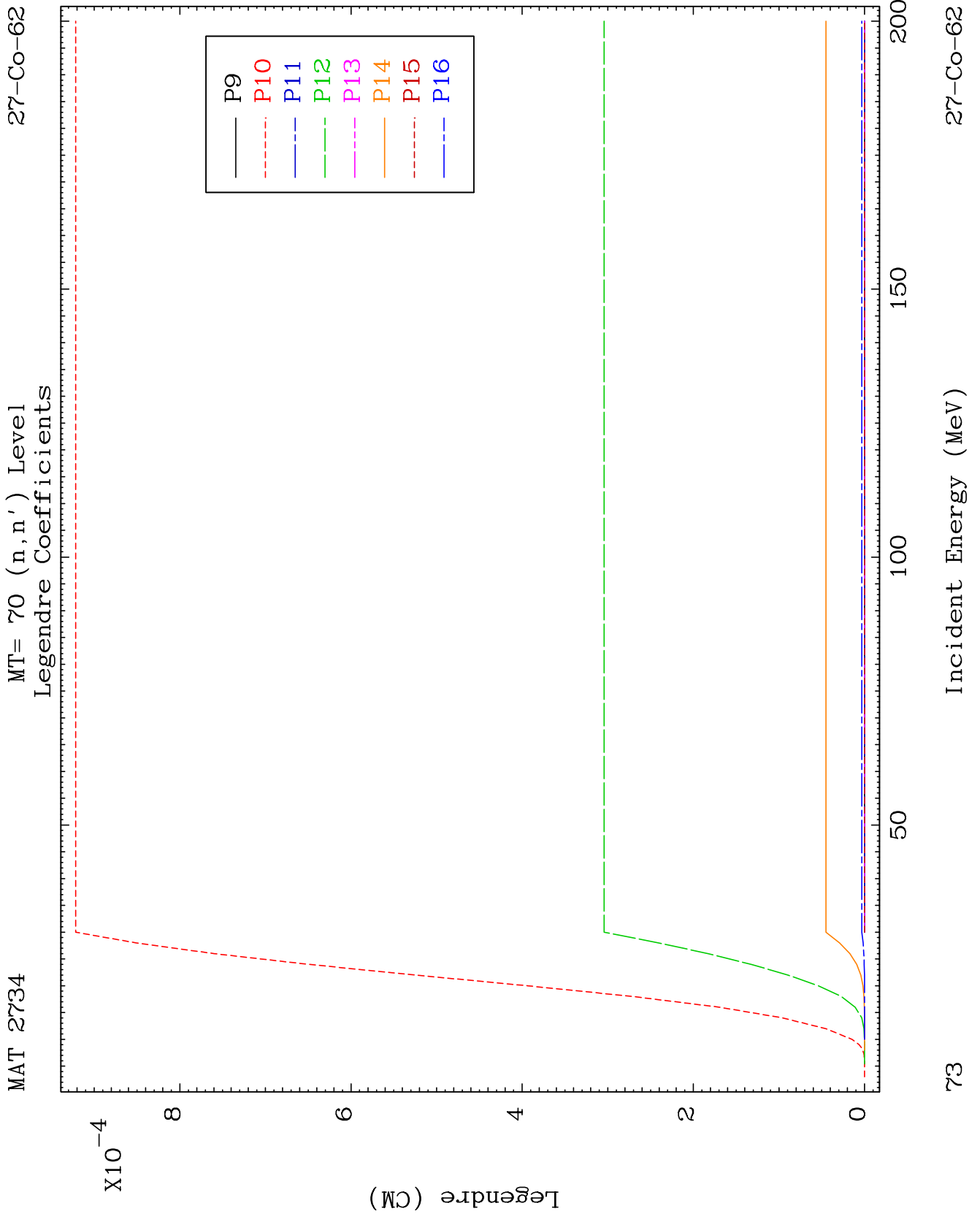
MAT 2734

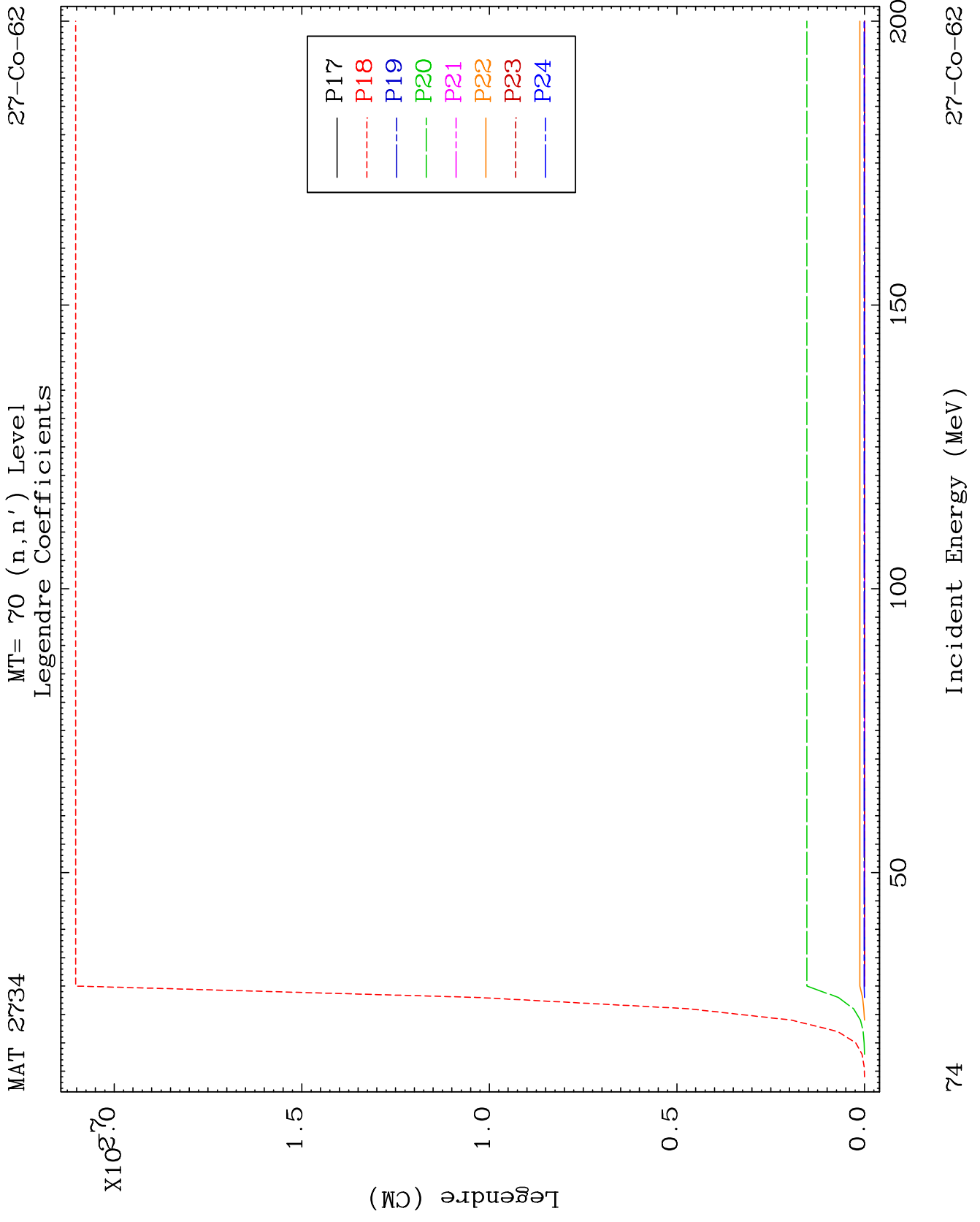
MT= 69 (n,n') Level
Legendre Coefficients

27-Co-62





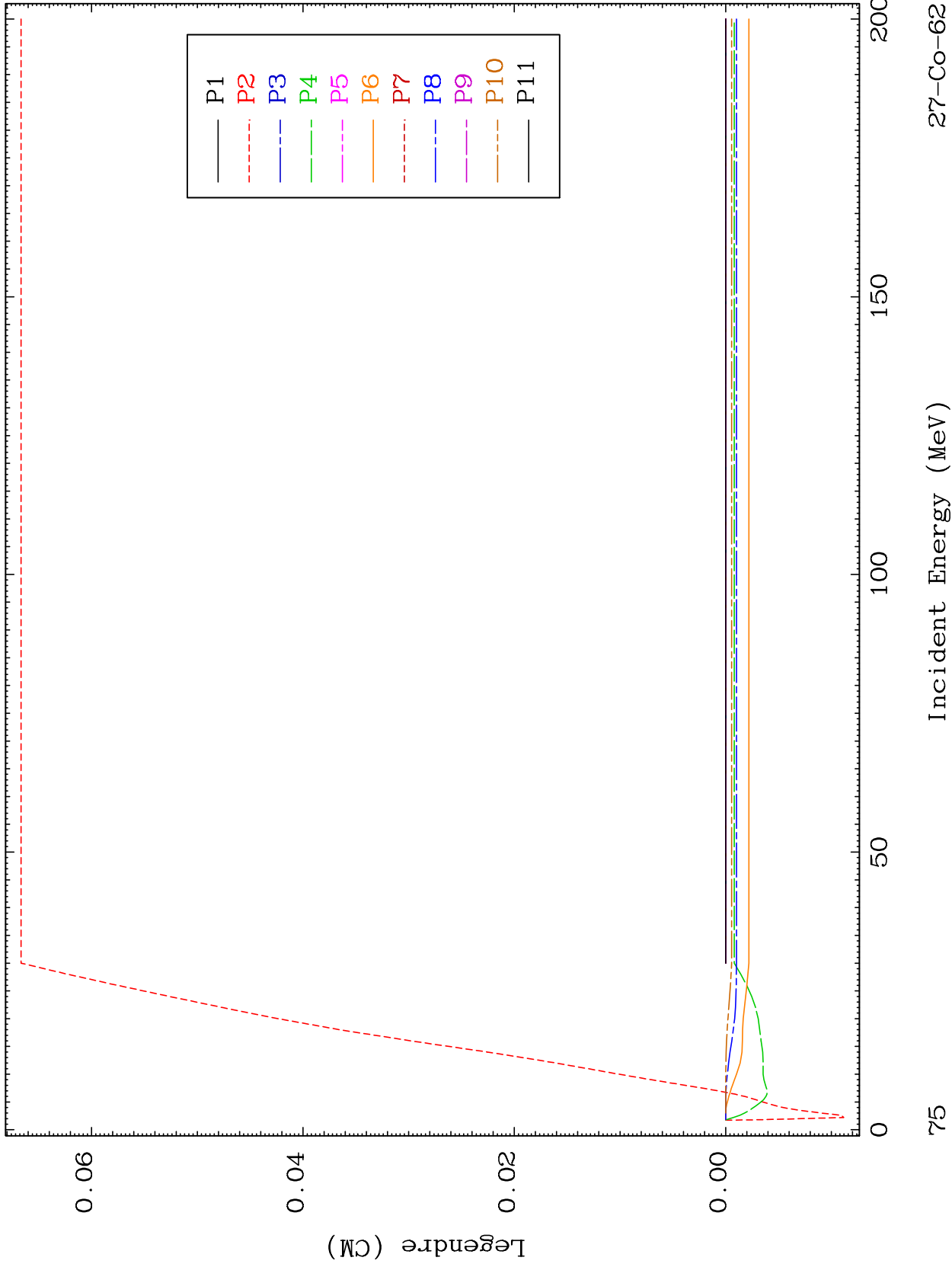




MAT 2734

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

27-Co-62



75

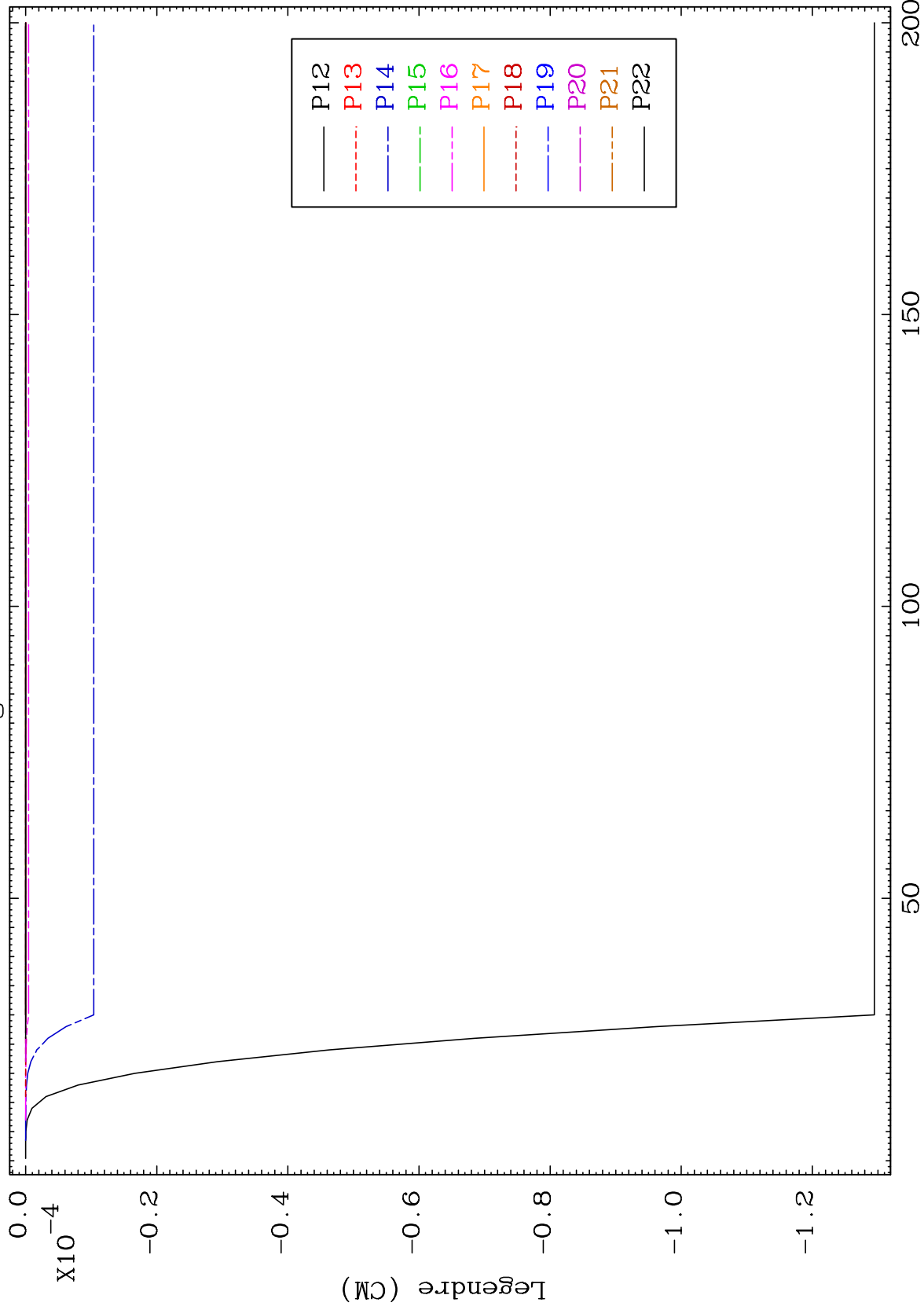
Incident Energy (MeV)

27-Co-62

MAT 2734

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

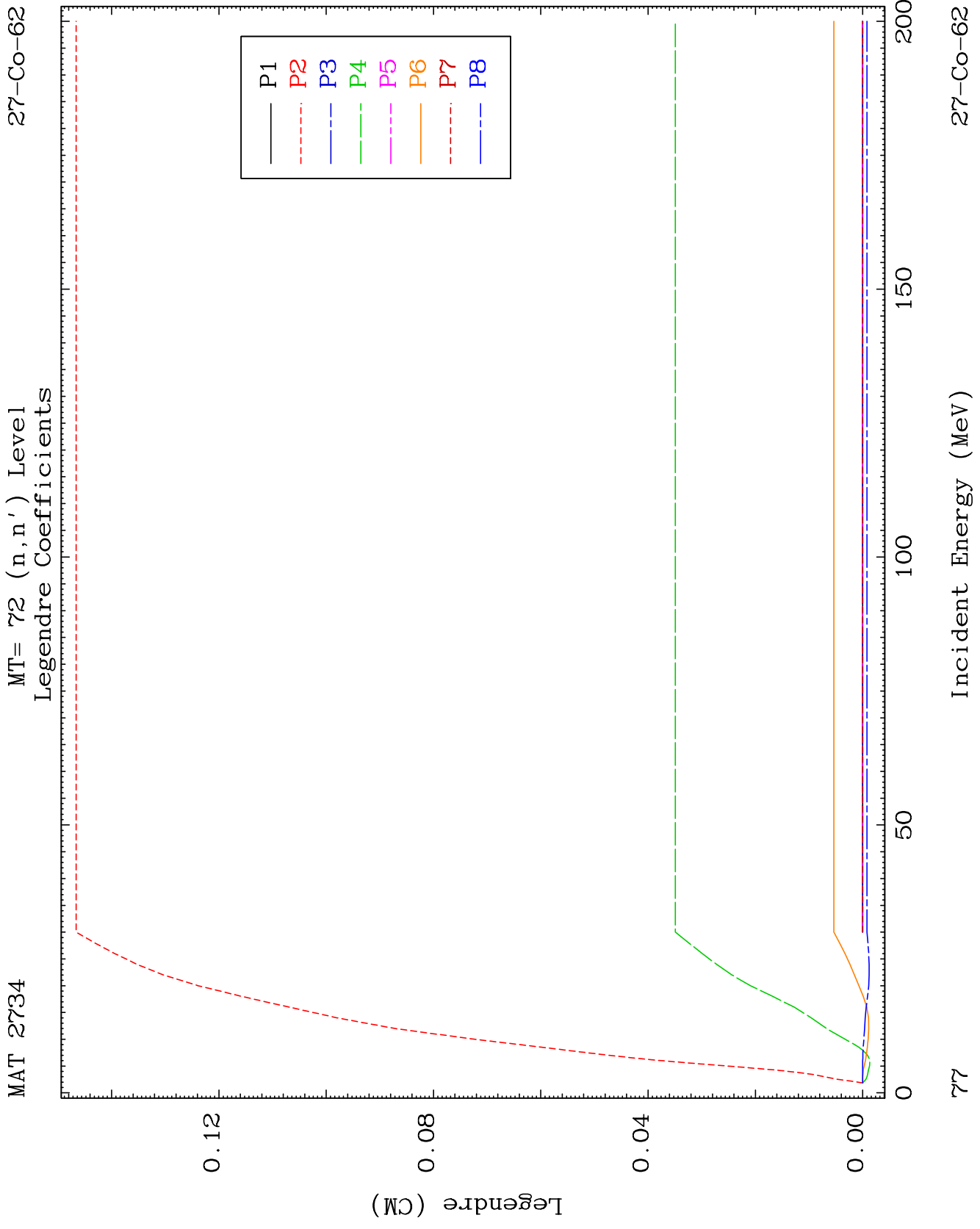
27-Co-62



76

Incident Energy (MeV)

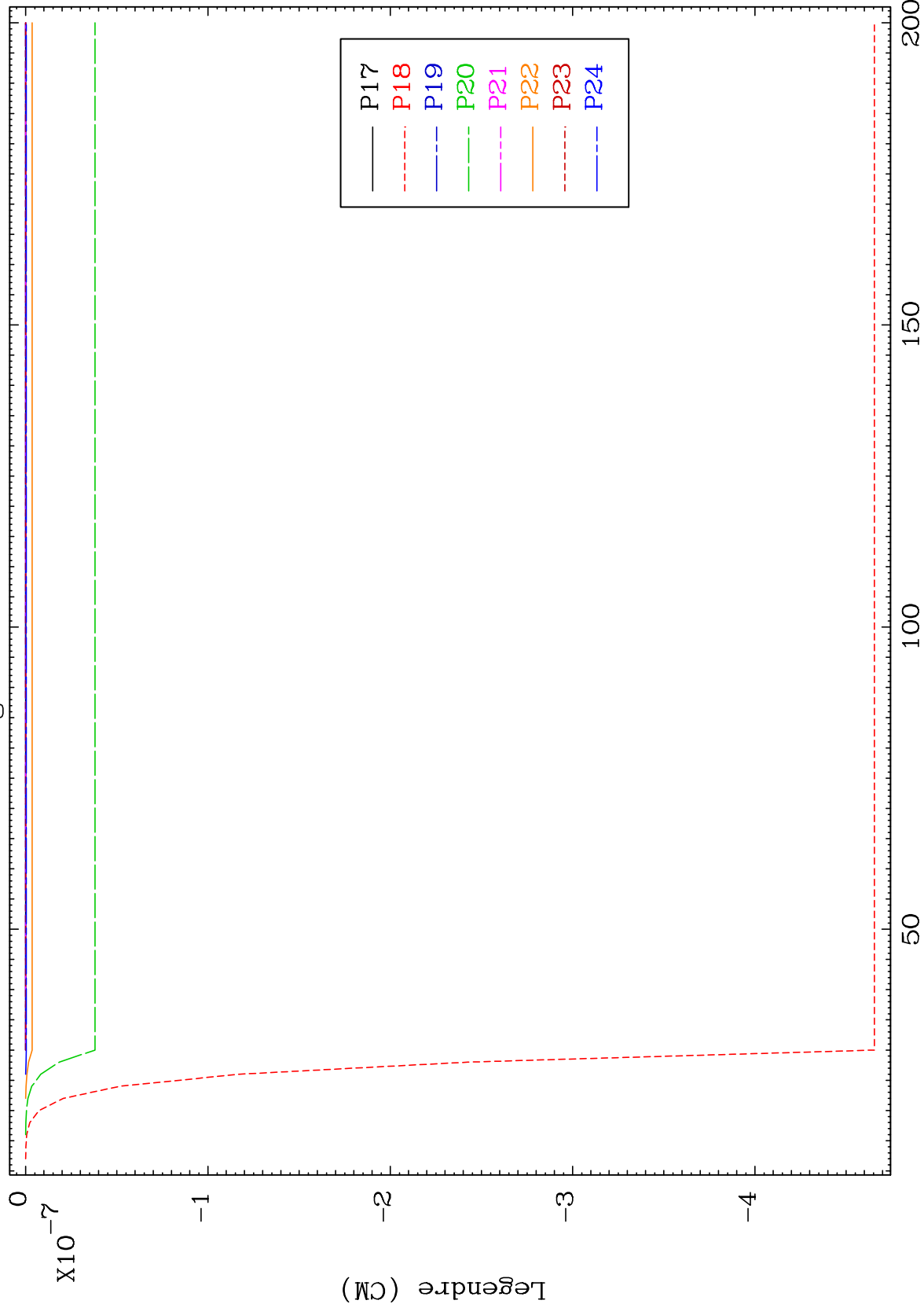
27-Co-62



MAT 2734

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

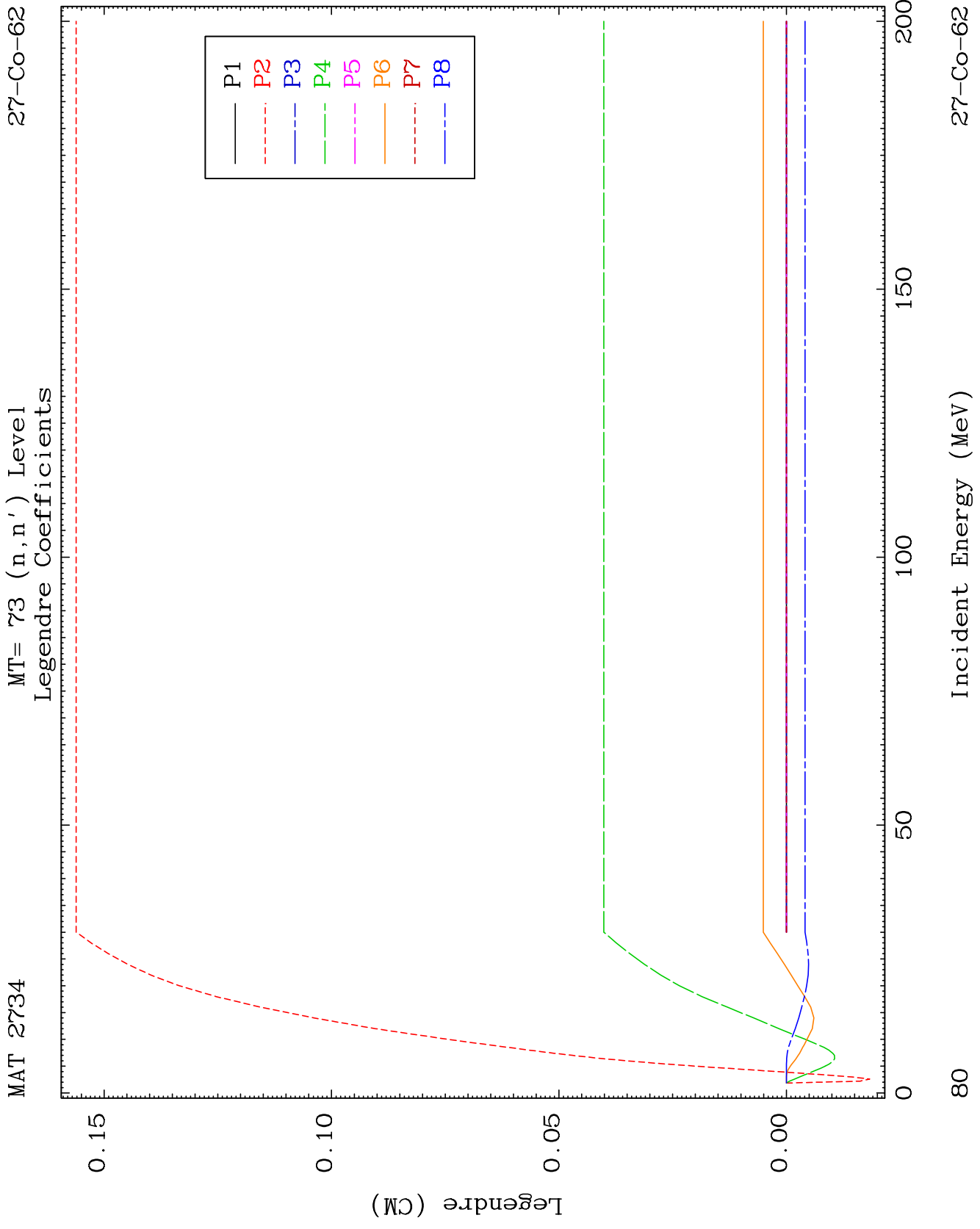
27-Co-62

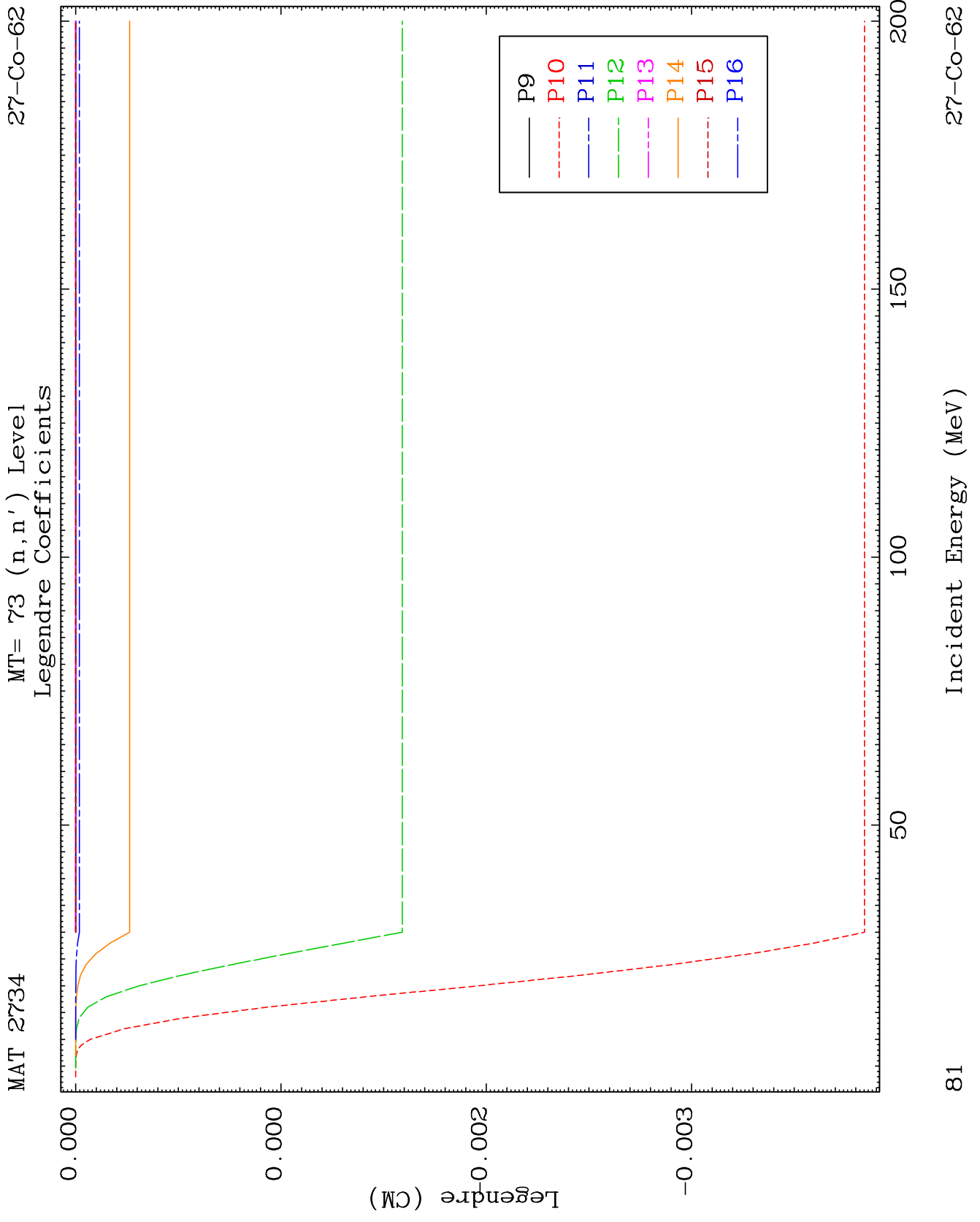


27-Co-62

Incident Energy (MeV)

79

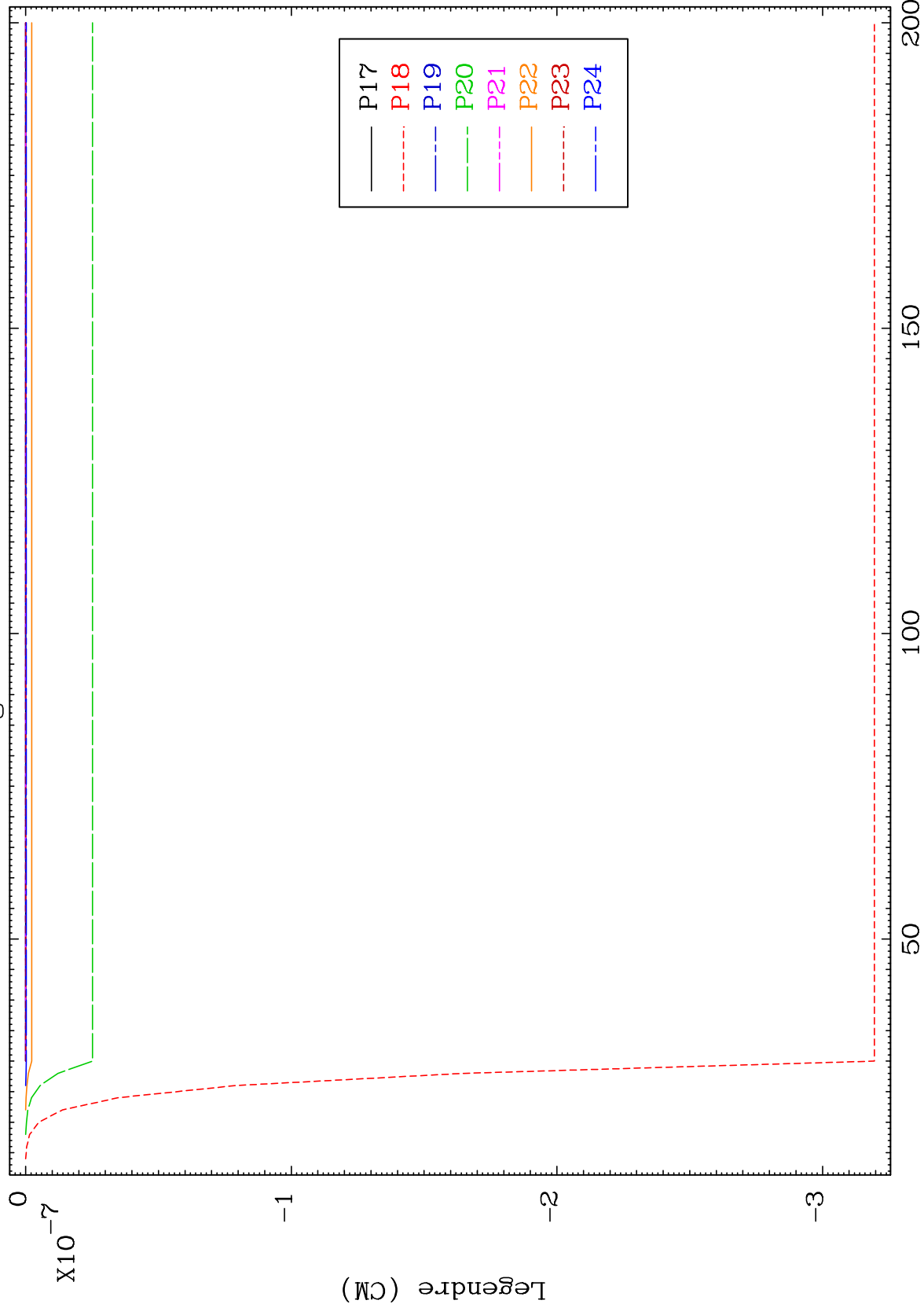




MAT 2734

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

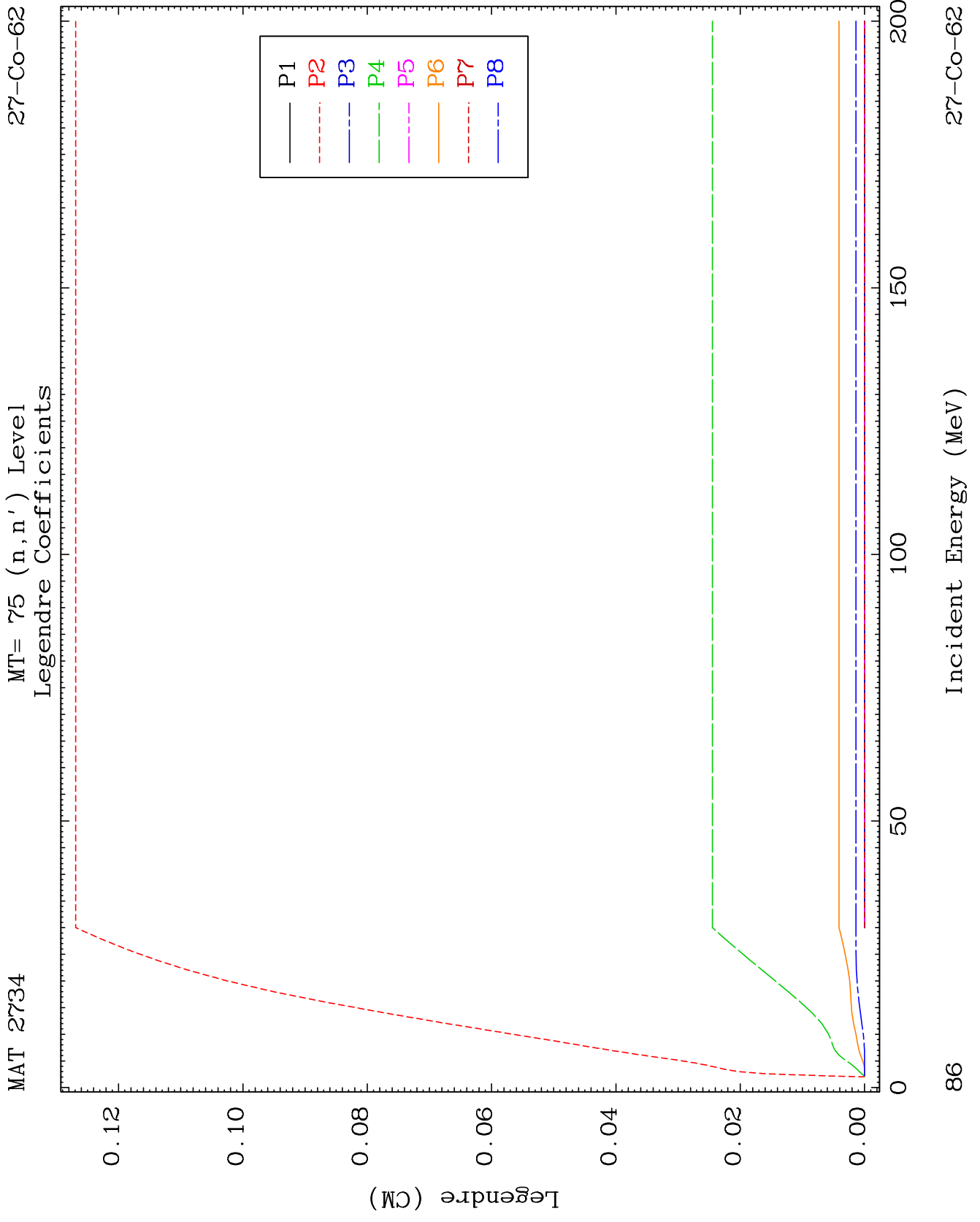
27-Co-62

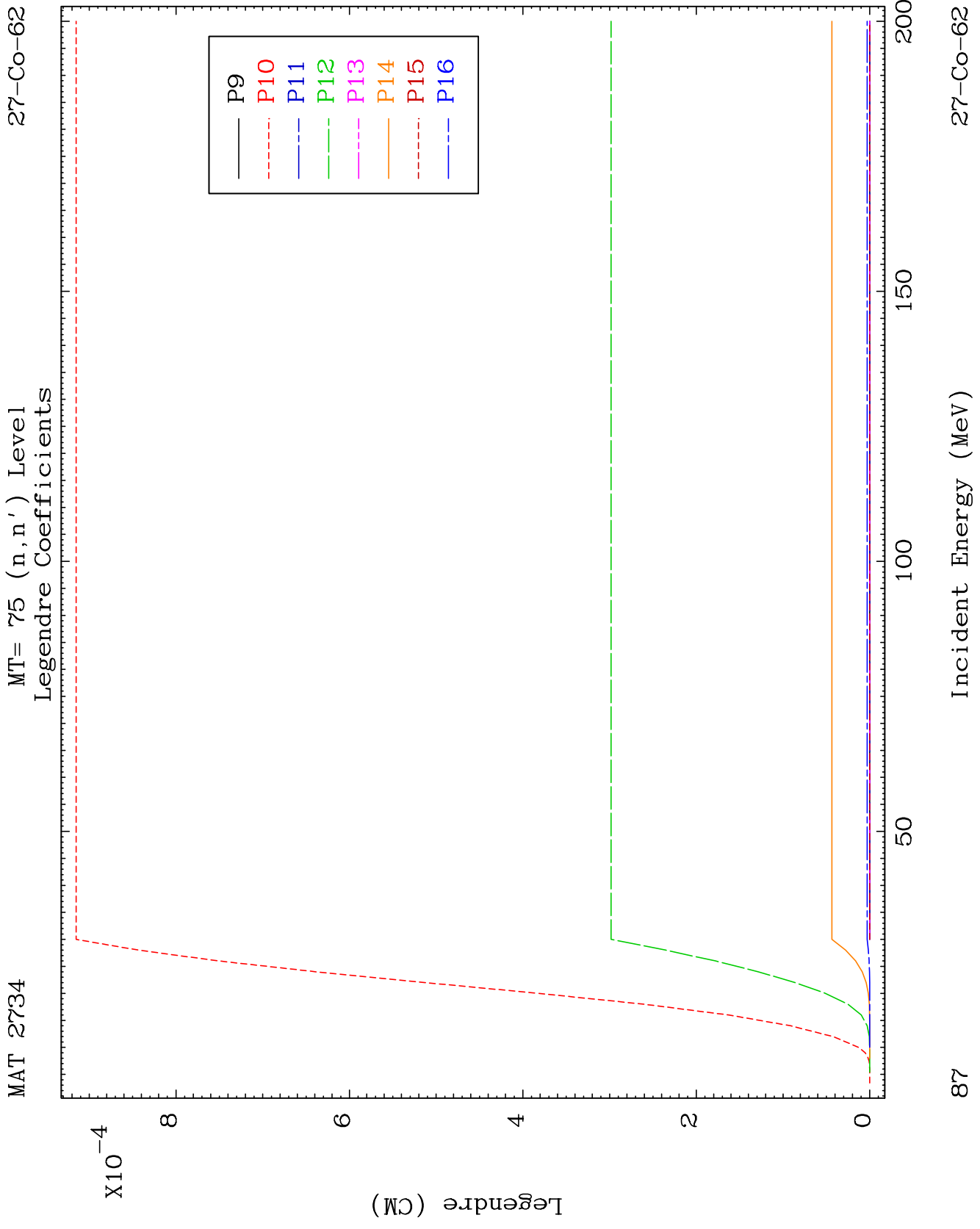


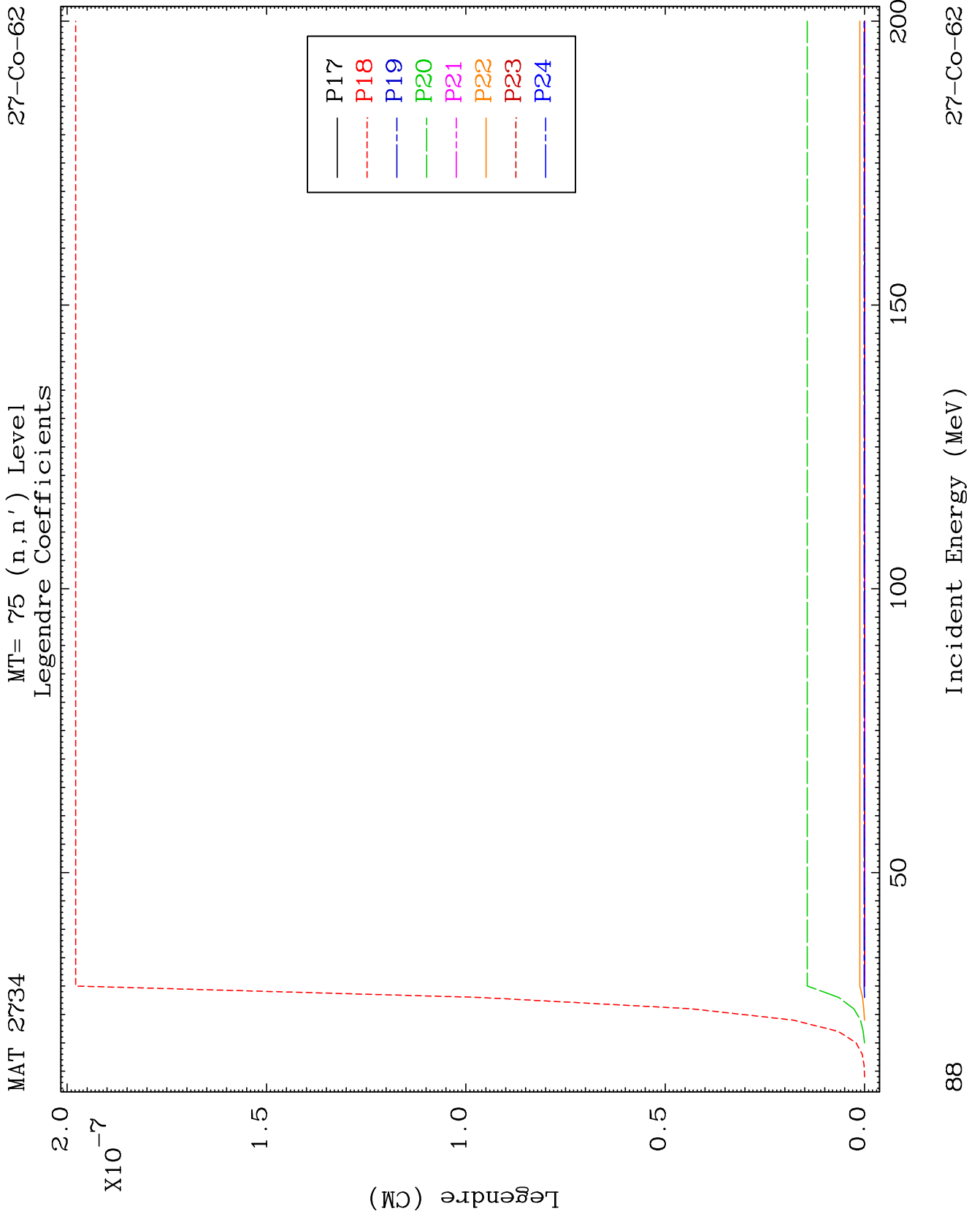
27-Co-62

Incident Energy (MeV)

85



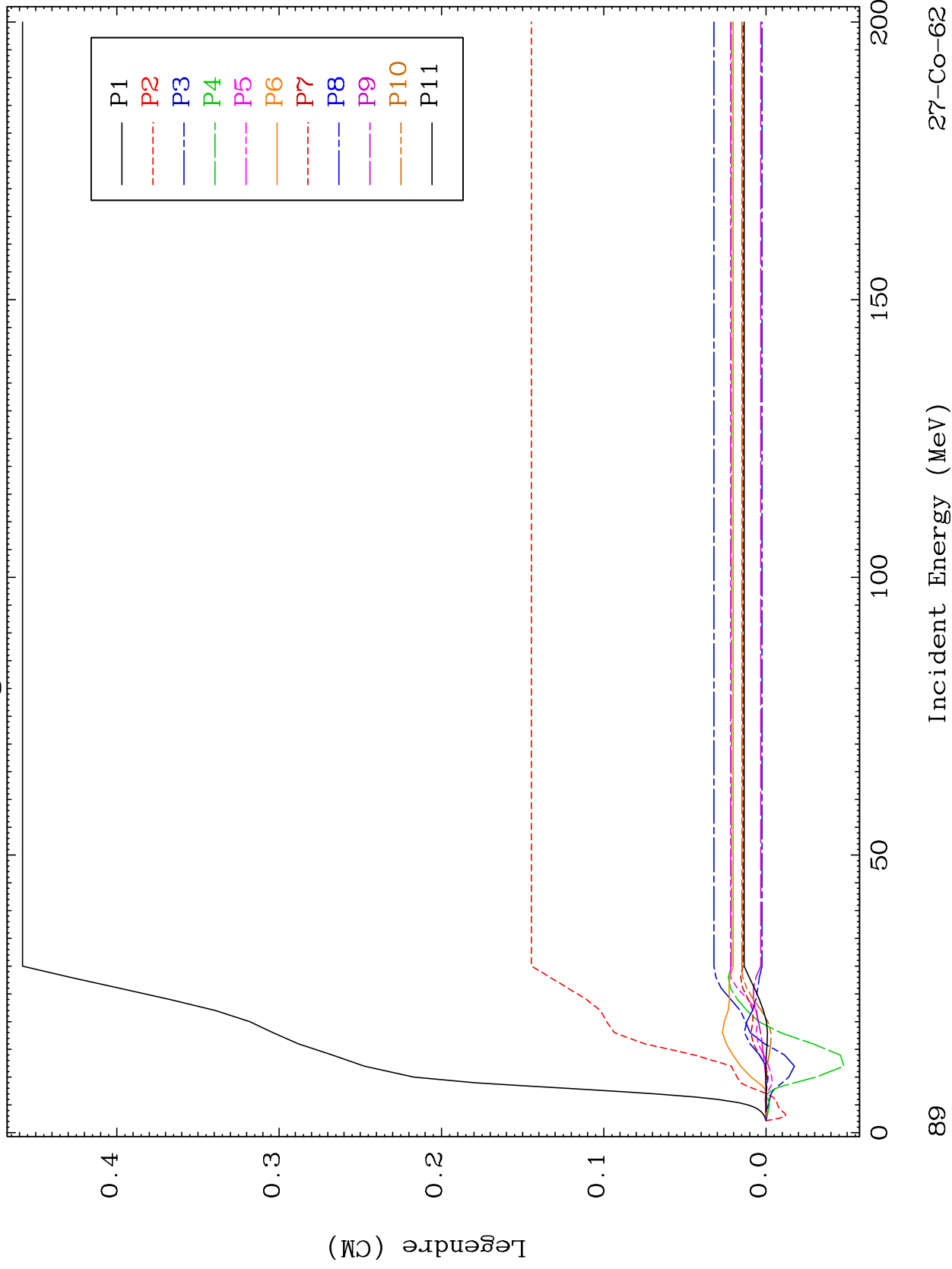




MAT 2734

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

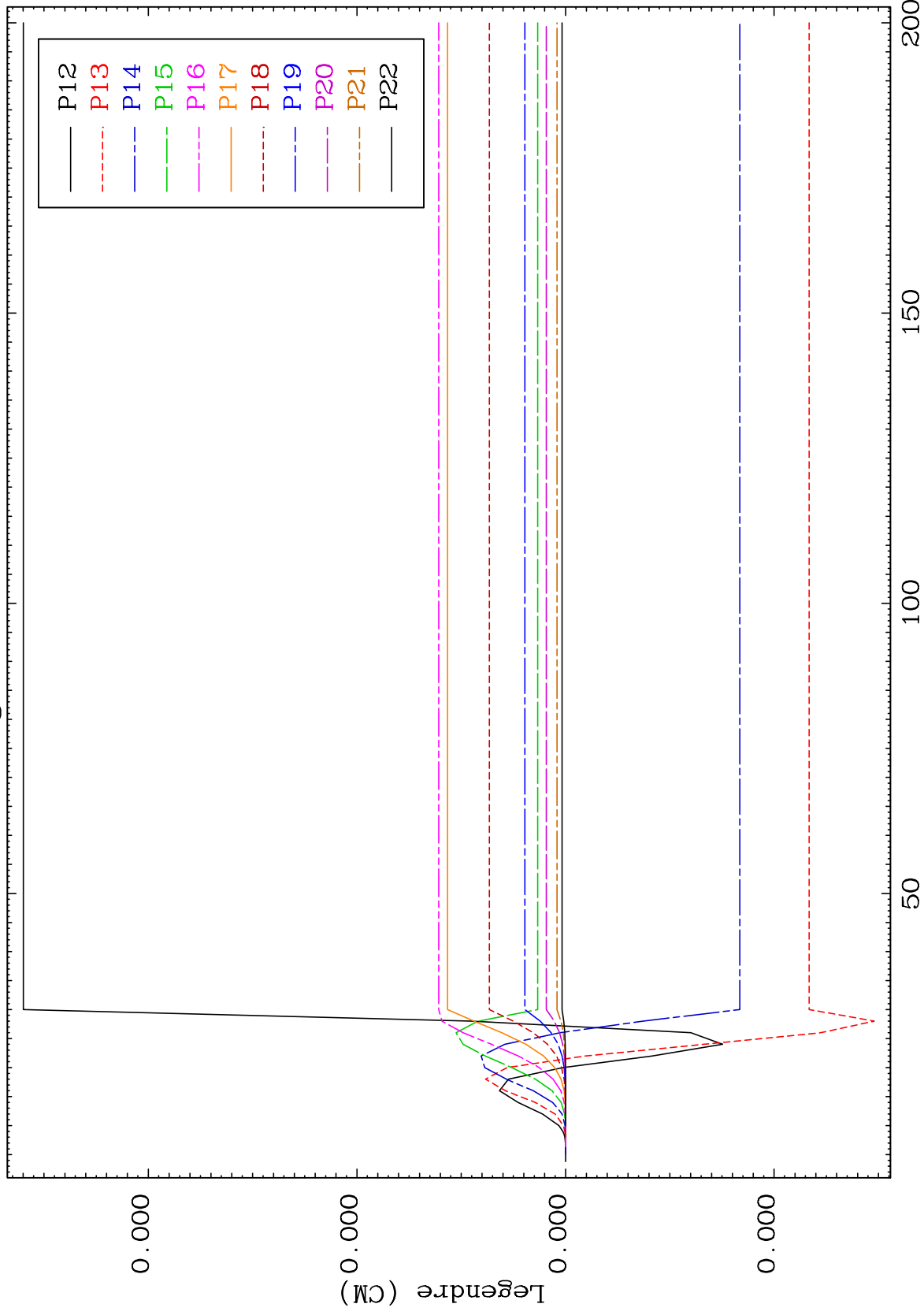
27-Co-62



MAT 2734

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

27-Co-62



90

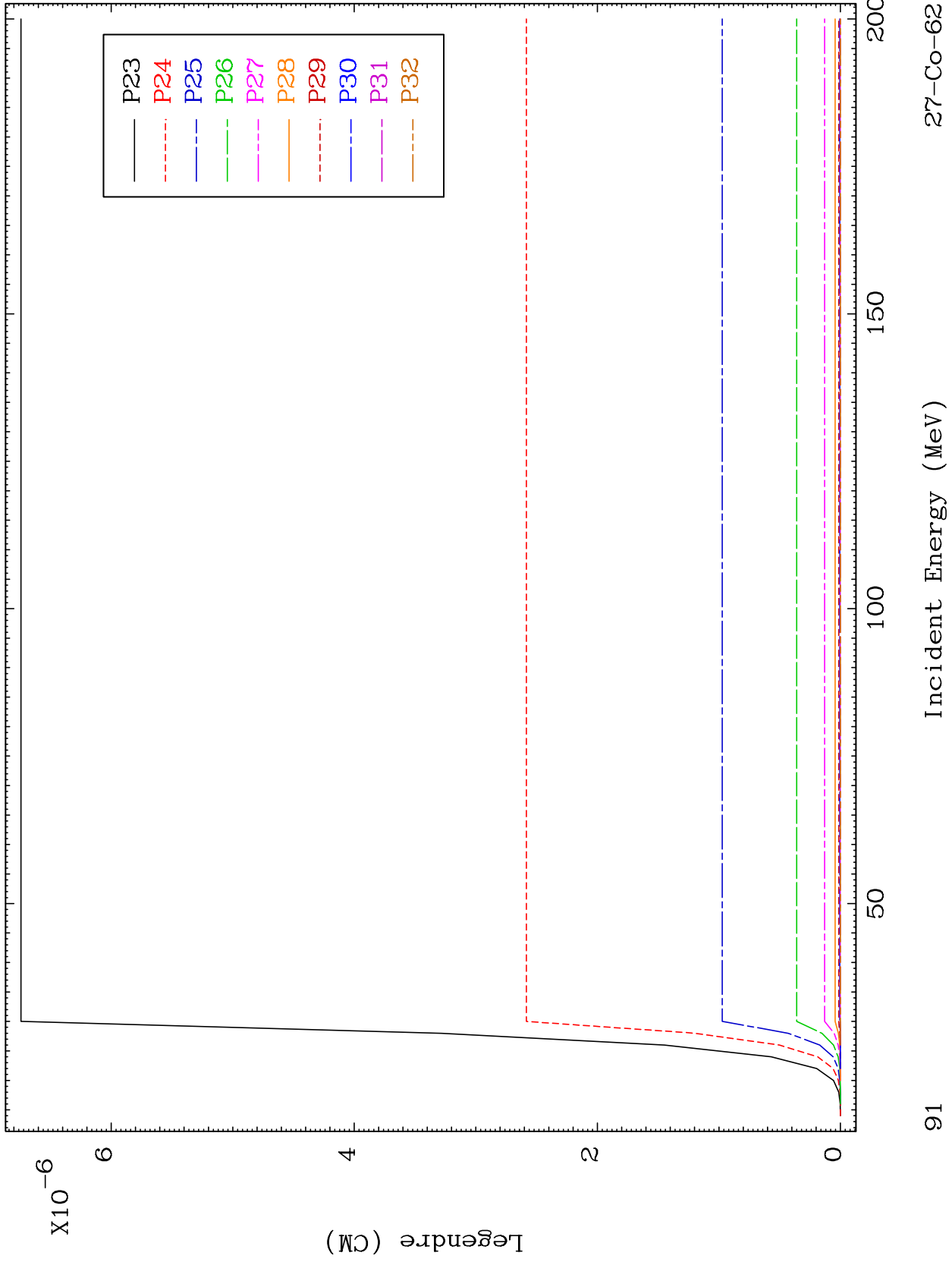
Incident Energy (MeV)

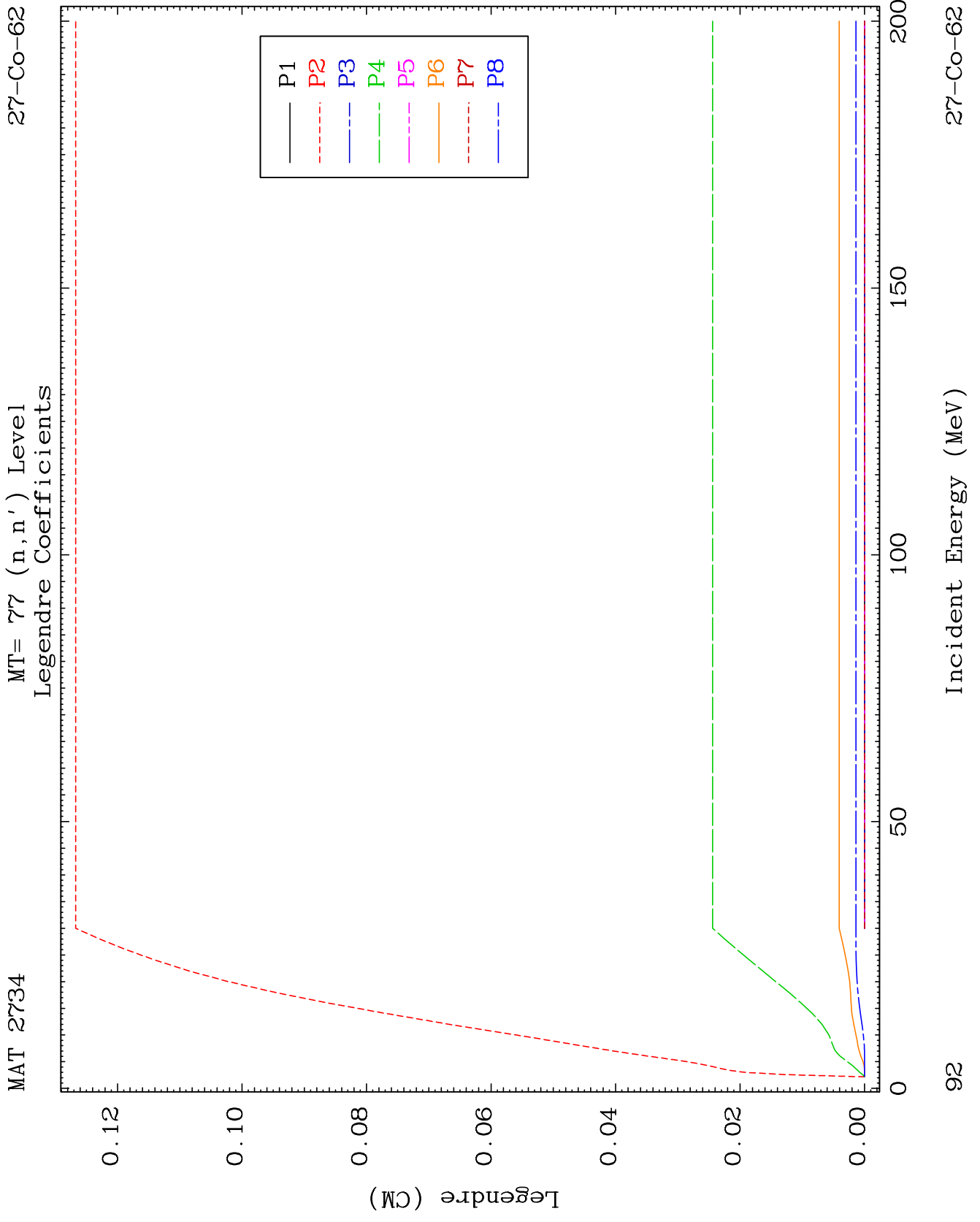
27-Co-62

MAT 2734

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

27-Co-62

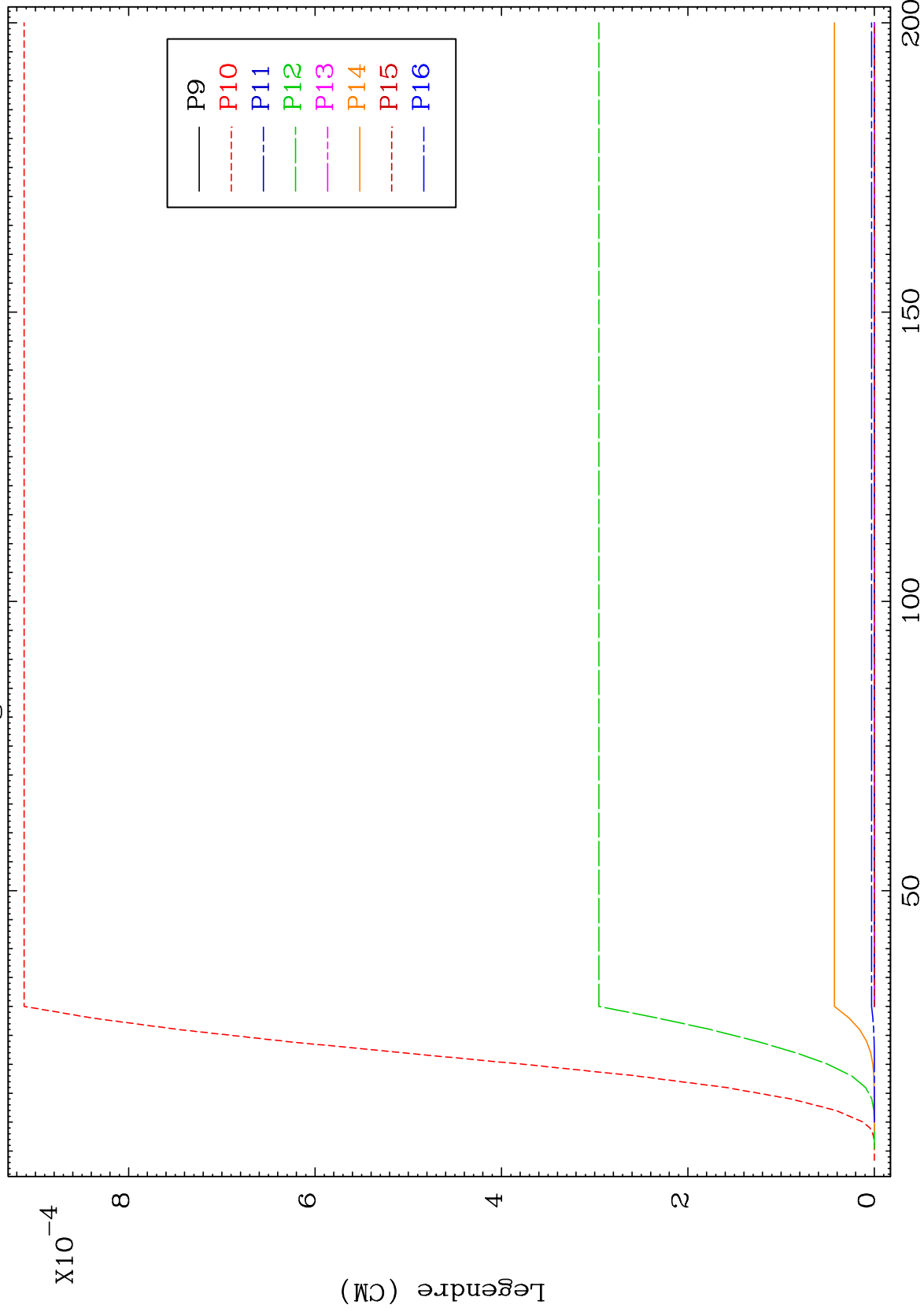




MAT 2734

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

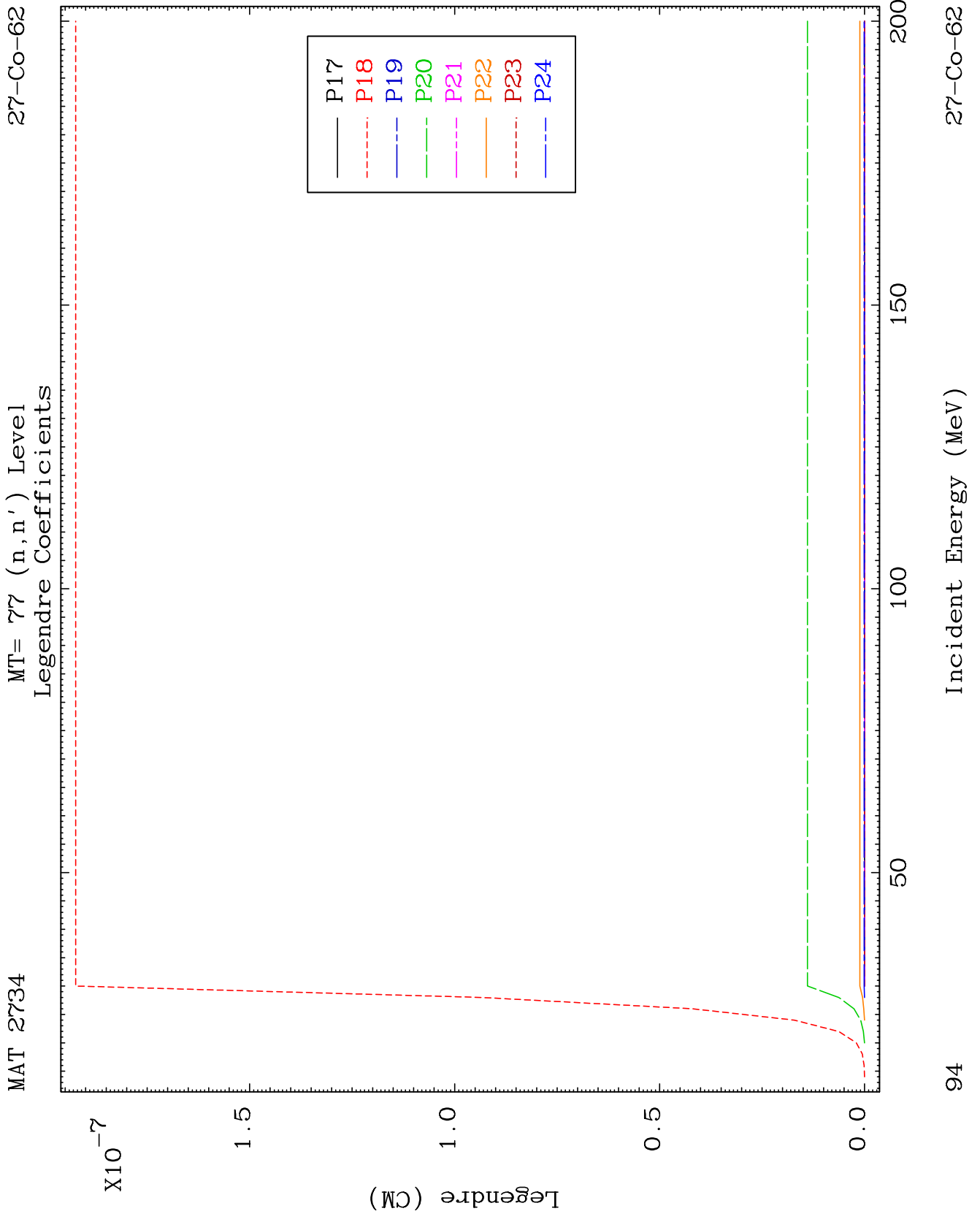
27-Co-62

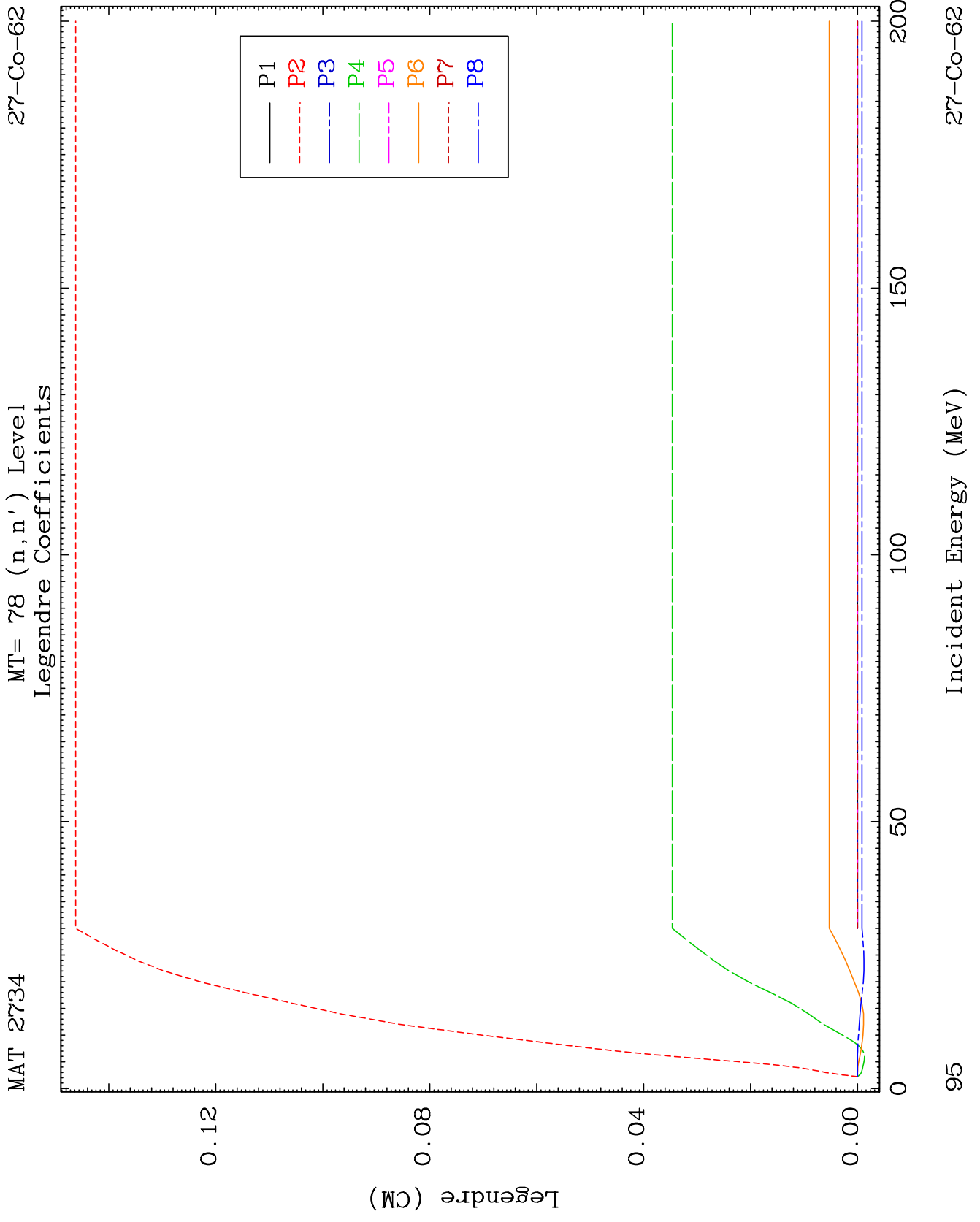


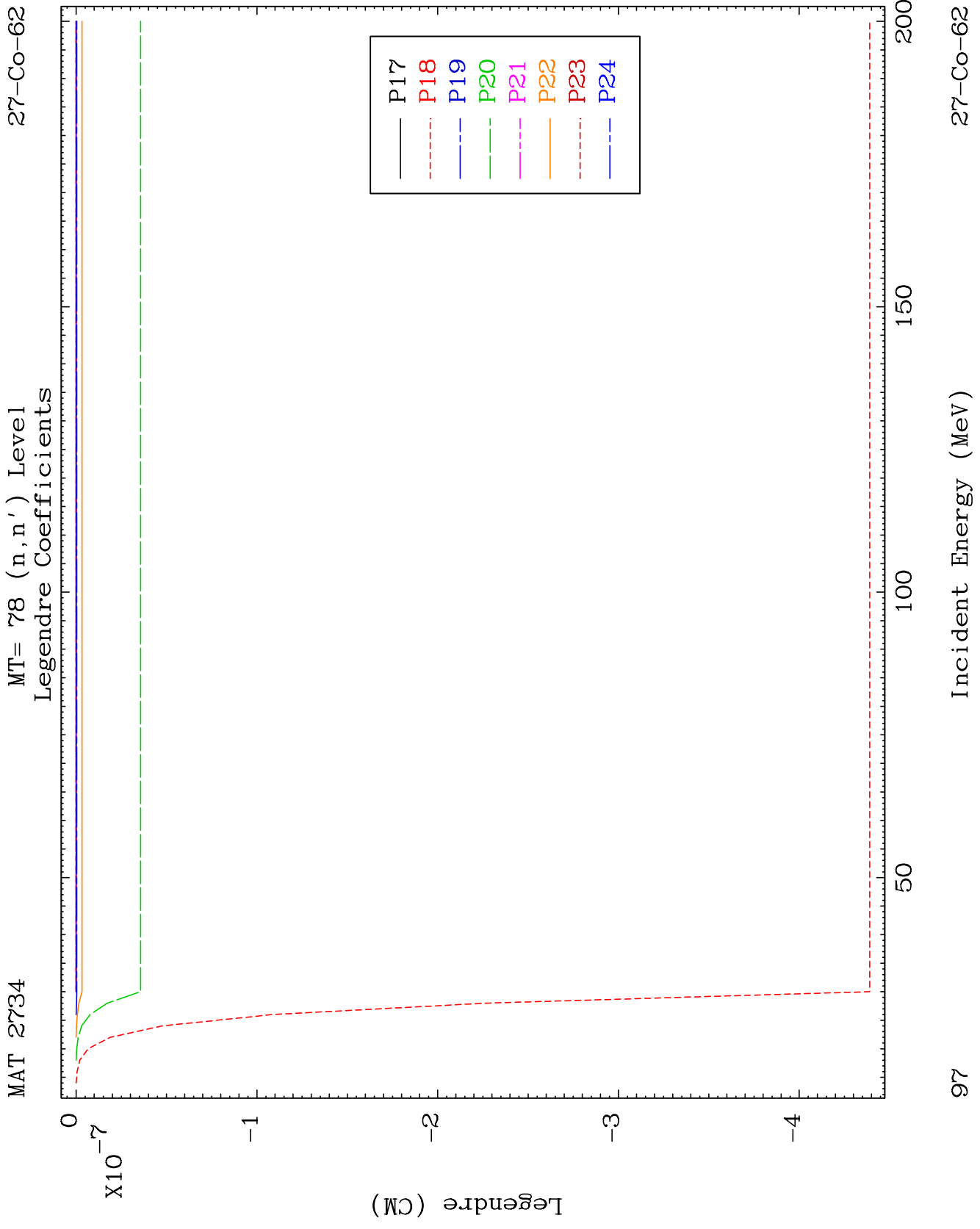
93

Incident Energy (MeV)

27-Co-62



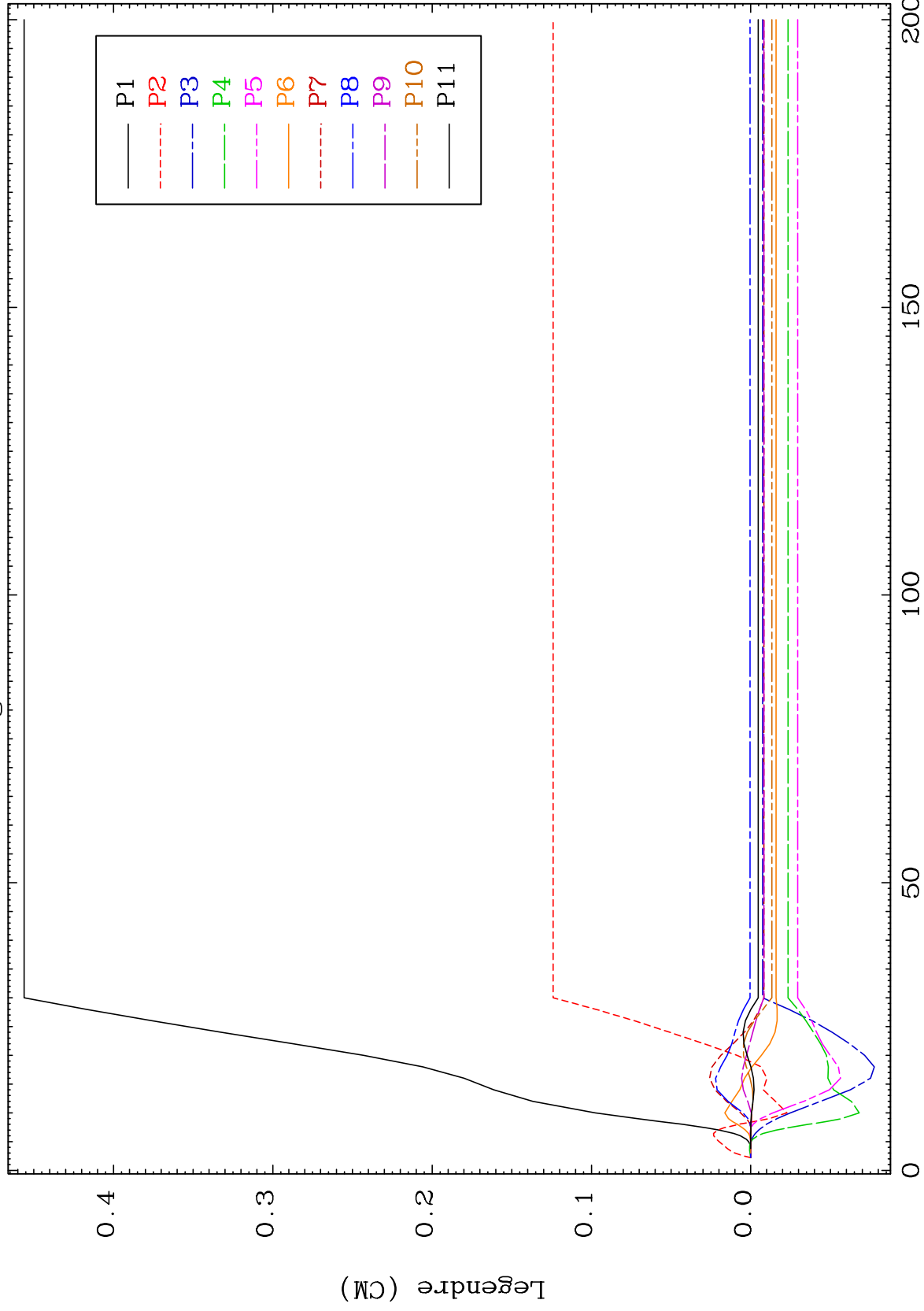




MAT 2734

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

27-Co-62



98

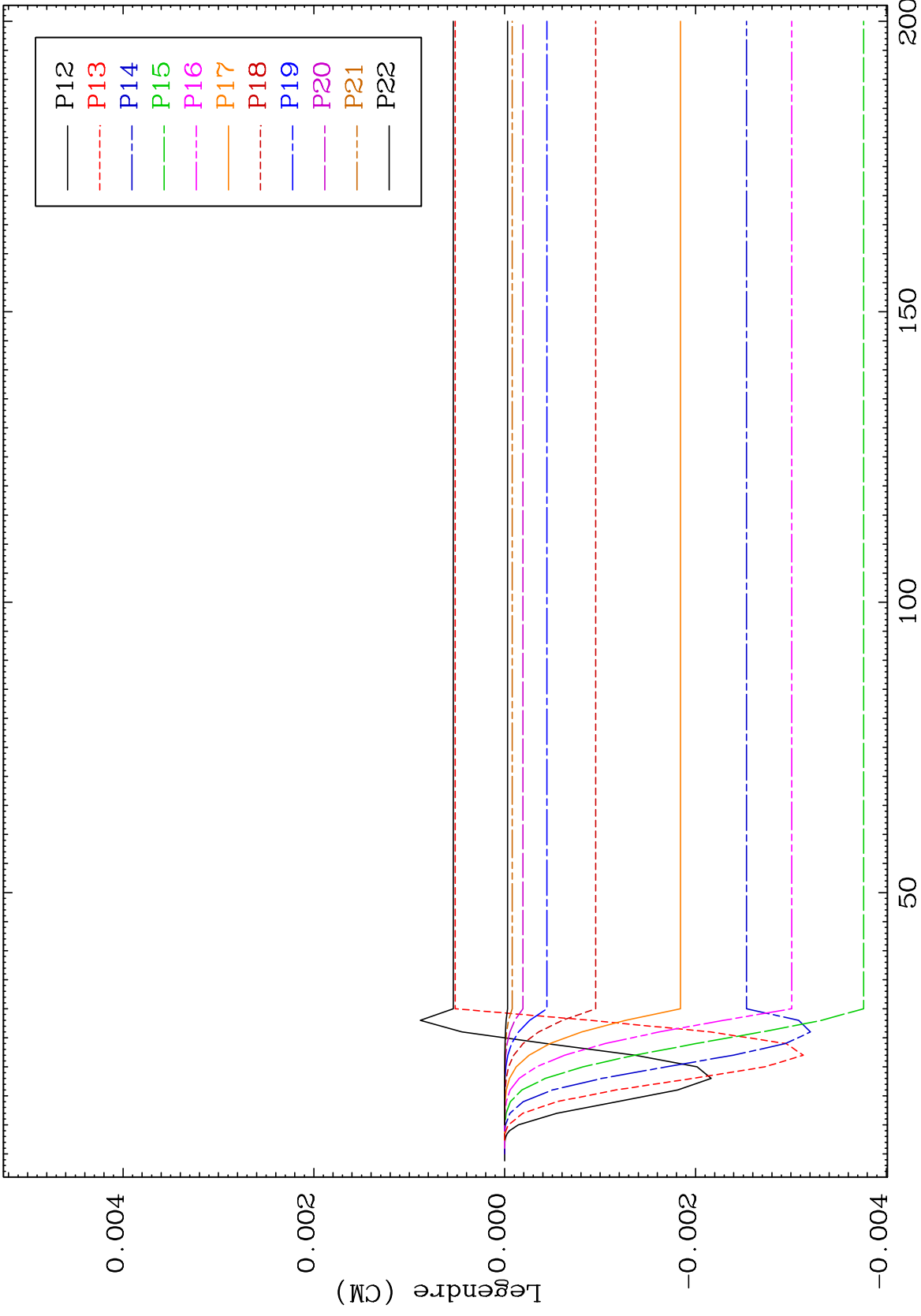
Incident Energy (MeV)

27-Co-62

MAT 2734

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

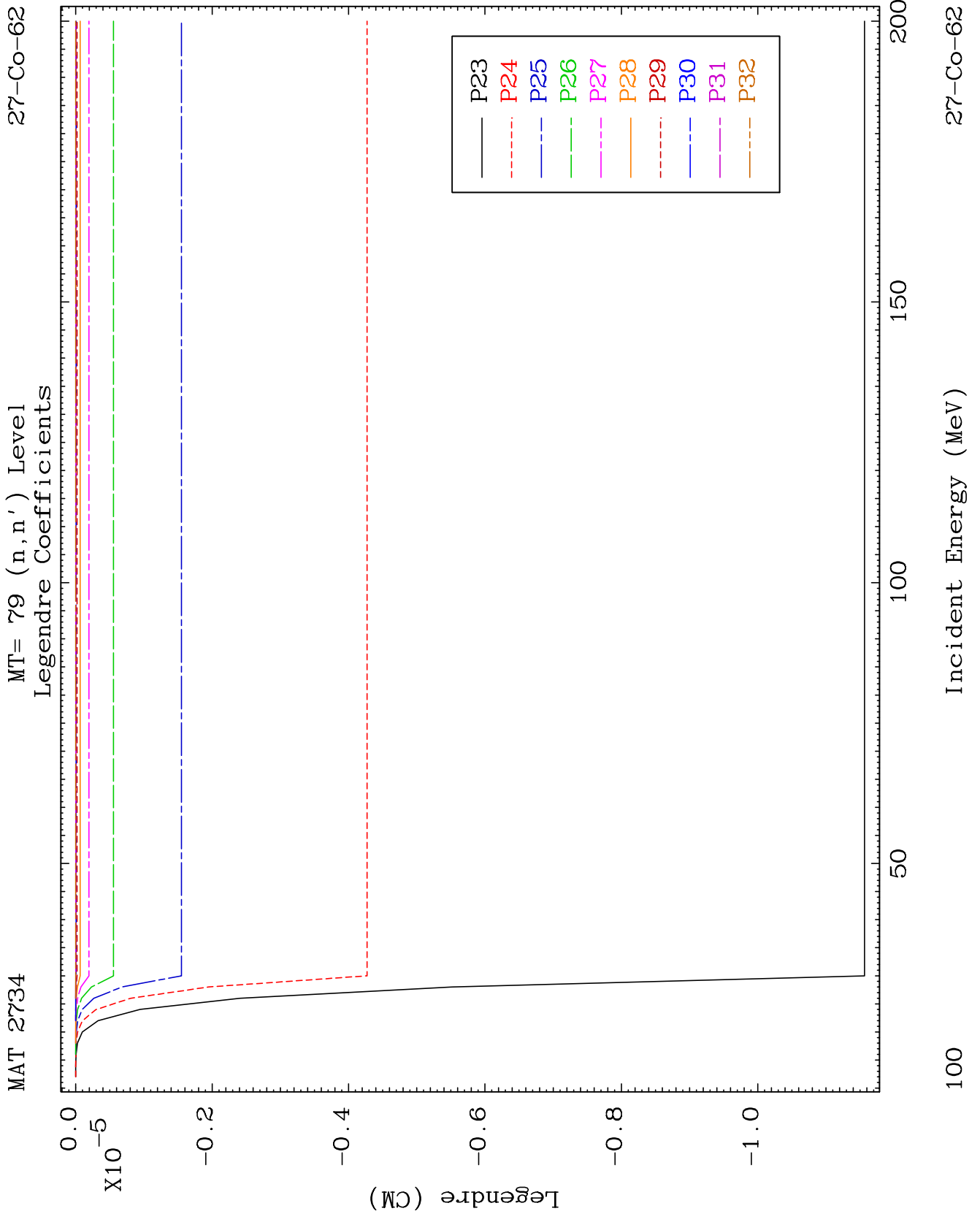
27-Co-62



99

Incident Energy (MeV)

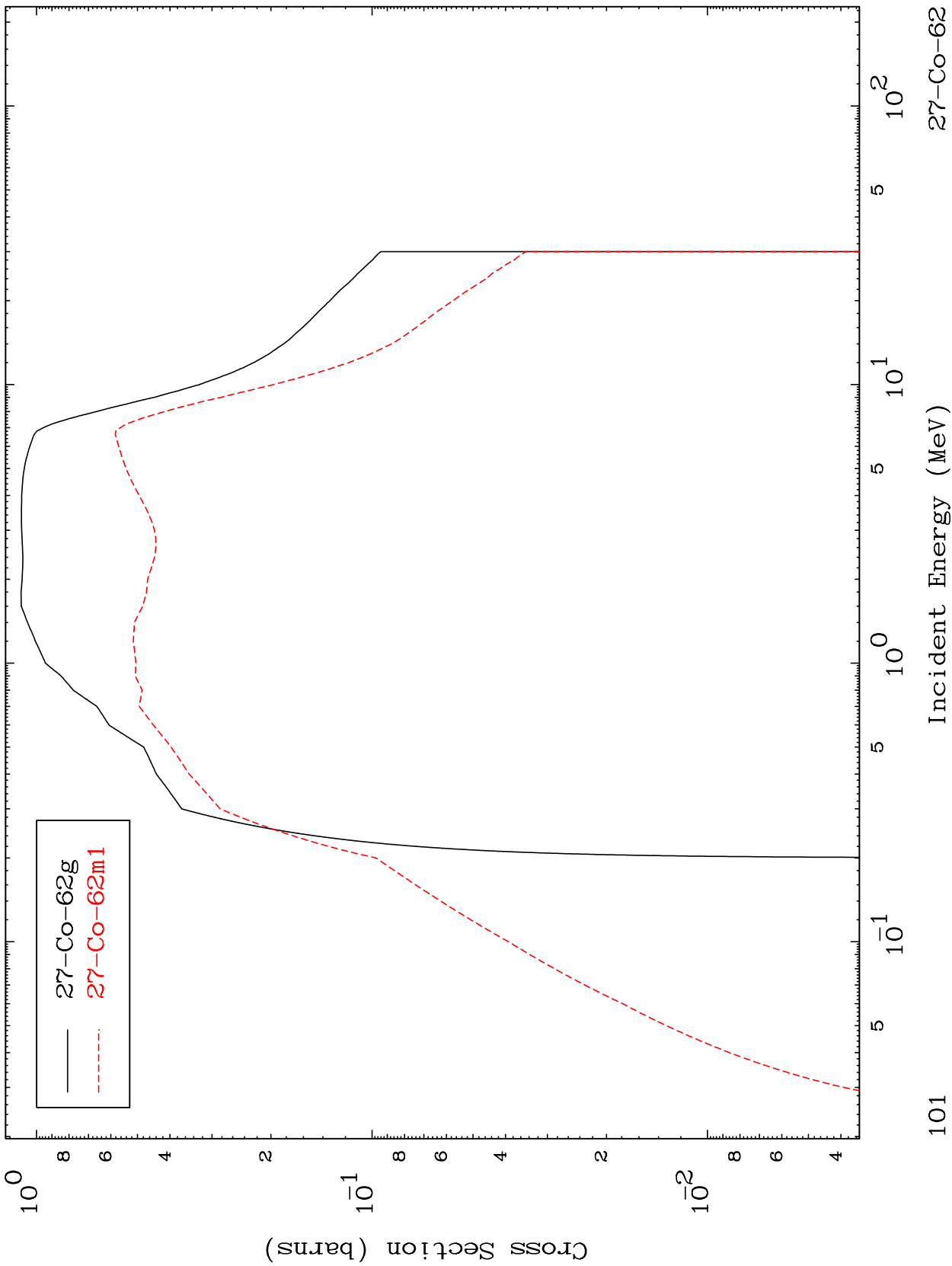
27-Co-62



MAT 2734

²⁷Co-62

Radionuclide Production Cross Section



— 27-Co-62g
- - - 27-Co-62m1

101

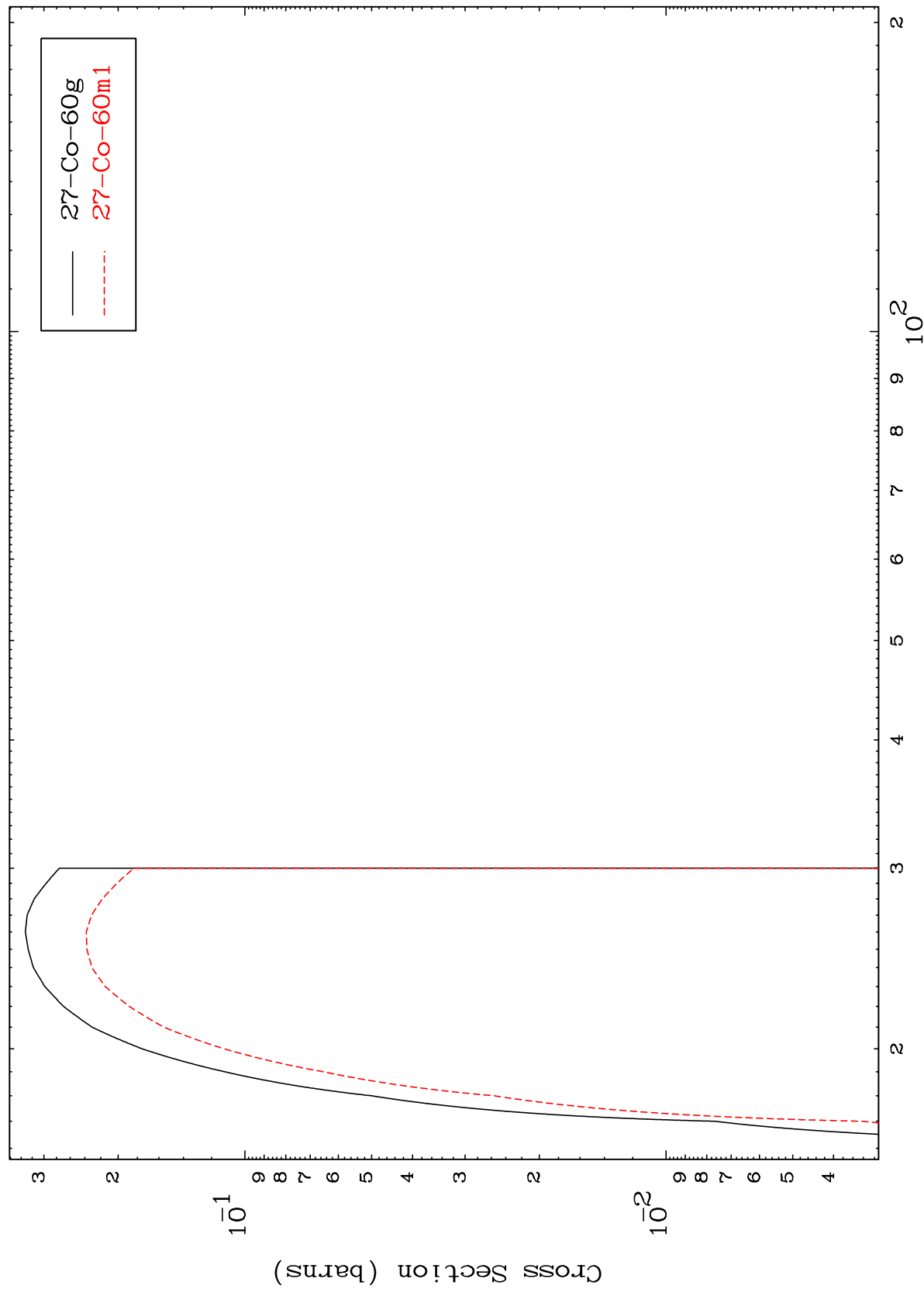
²⁷Co-62

MAT 2734

27-Co-62

(n,3n)

Radionuclide Production Cross Section



102

Incident Energy (MeV)

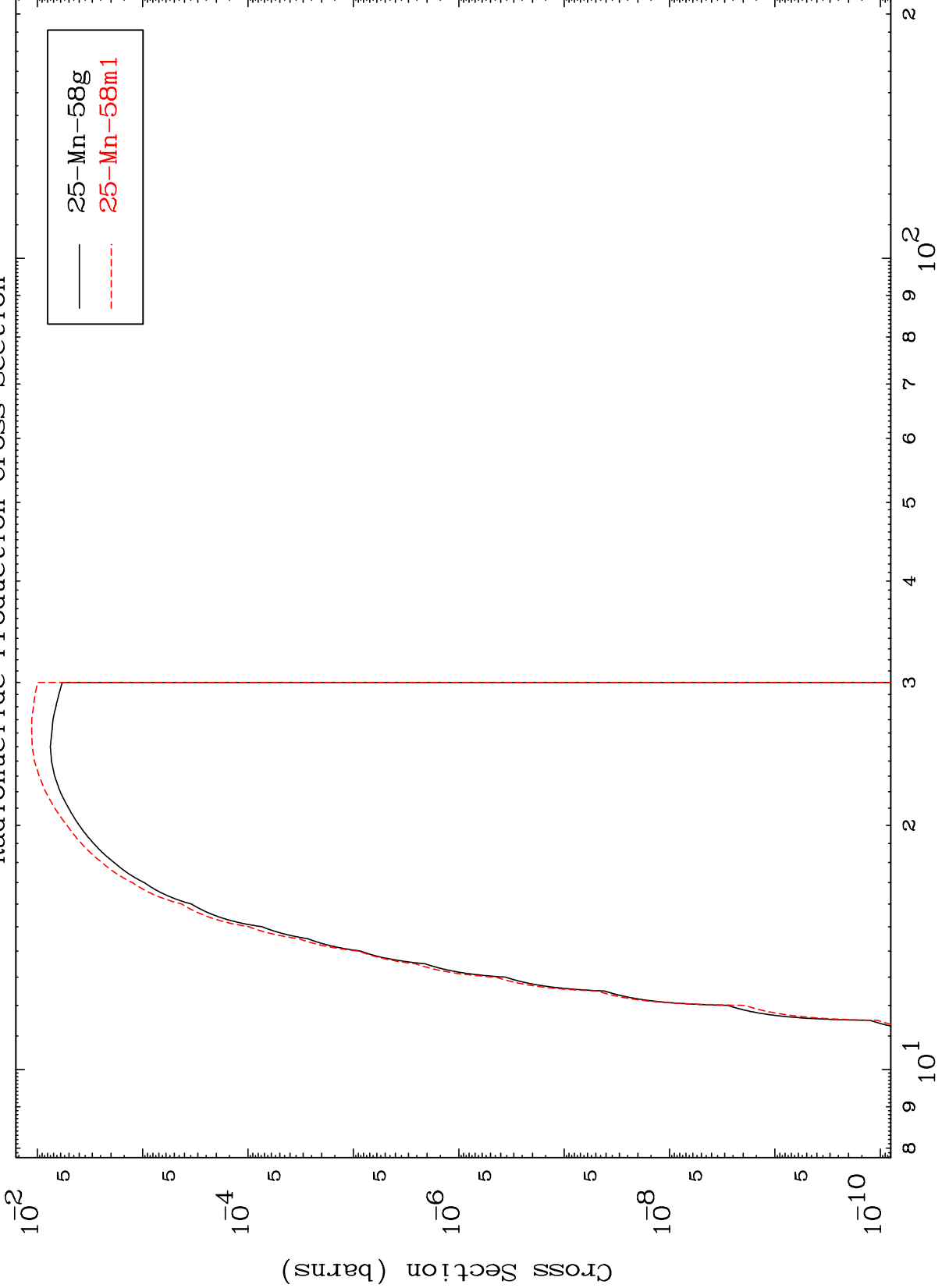
27-Co-62

MAT 2734

$(n, n') \alpha$

27-Co-62

Radionuclide Production Cross Section



103

Incident Energy (MeV)

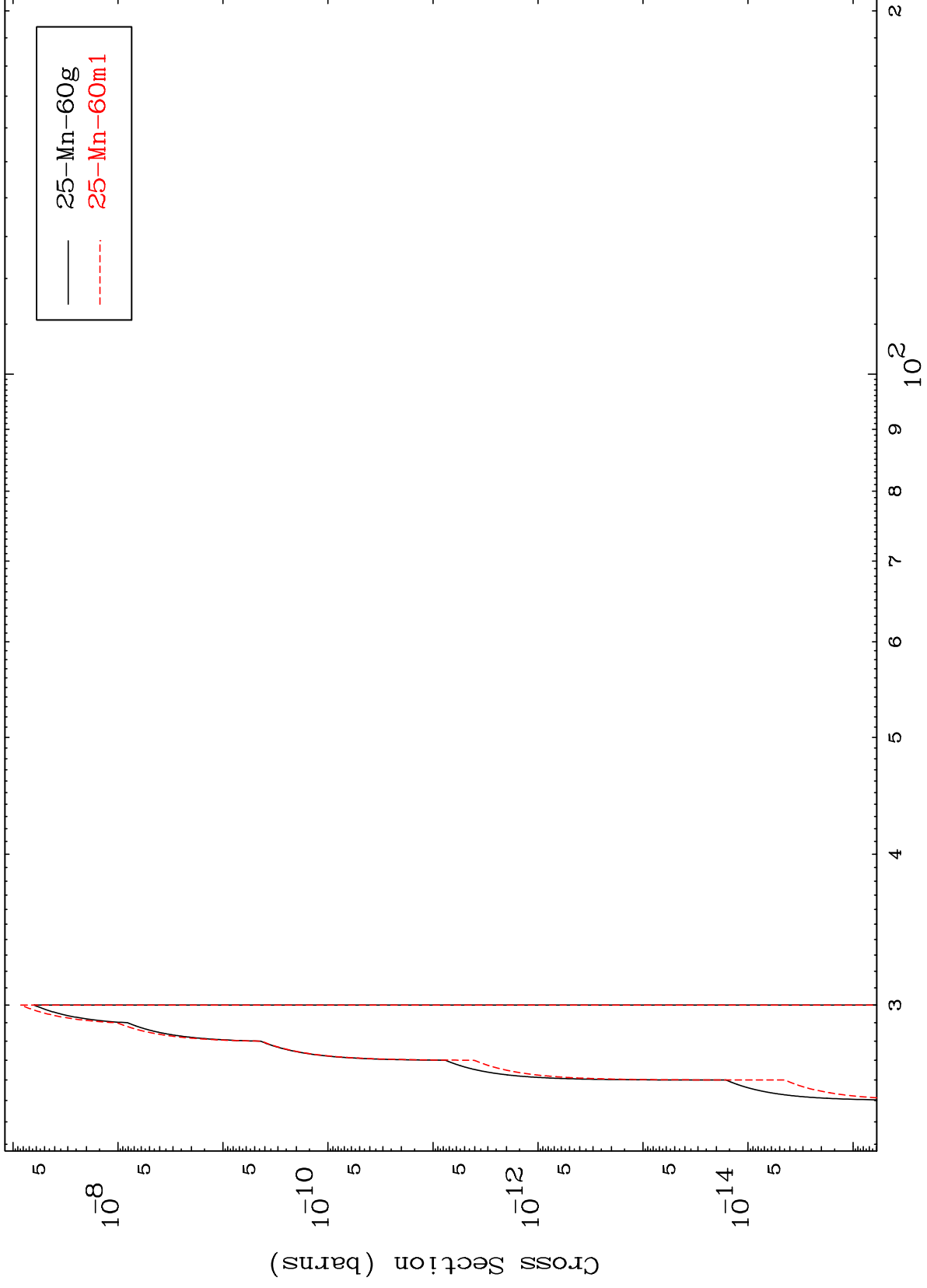
27-Co-62

MAT 2734

(n,2n) p

27-Co-62

Radionuclide Production Cross Section



104

Incident Energy (MeV)

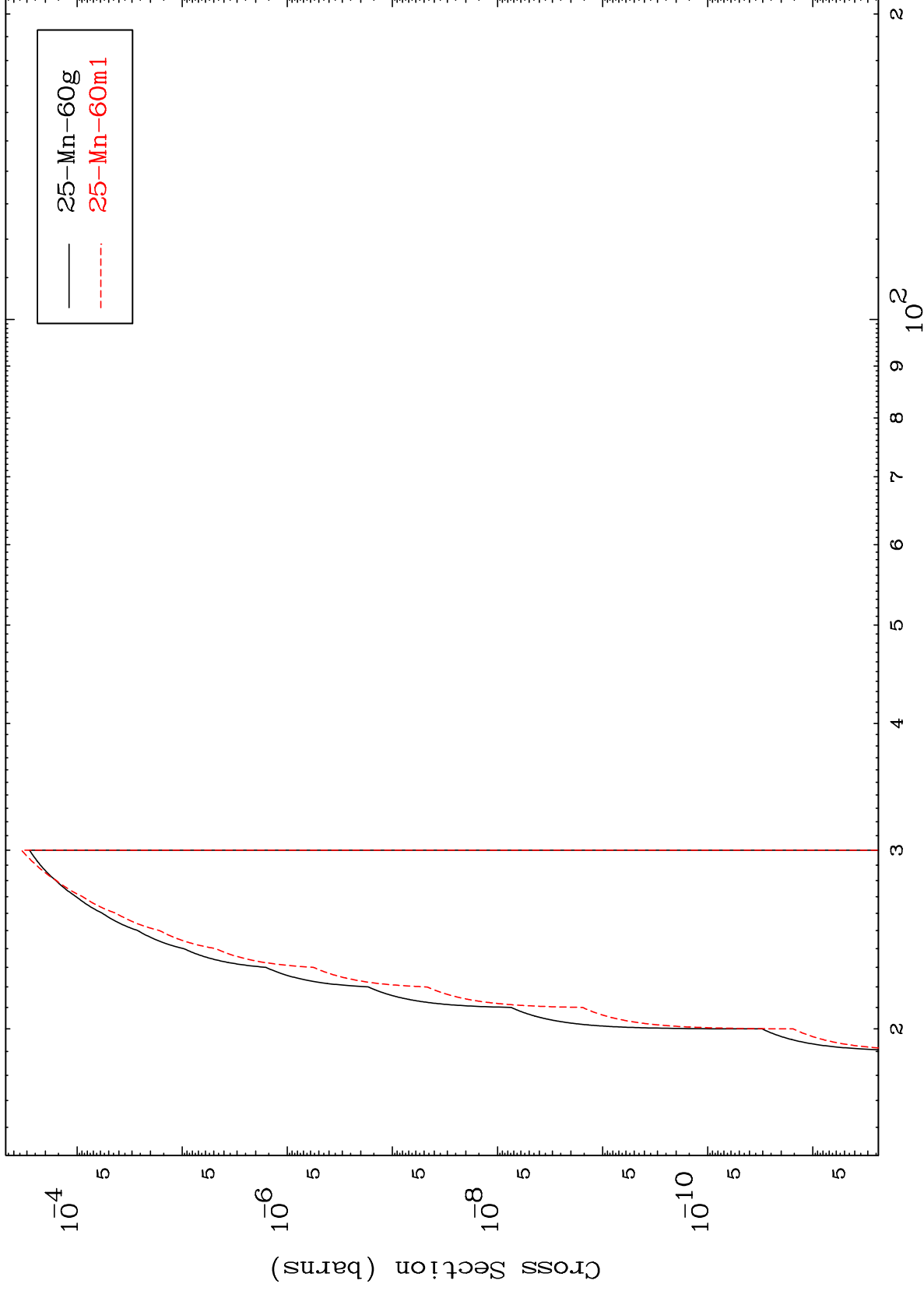
27-Co-62

MAT 2734

(n,He-3)

27-Co-62

Radionuclide Production Cross Section



105

Incident Energy (MeV)

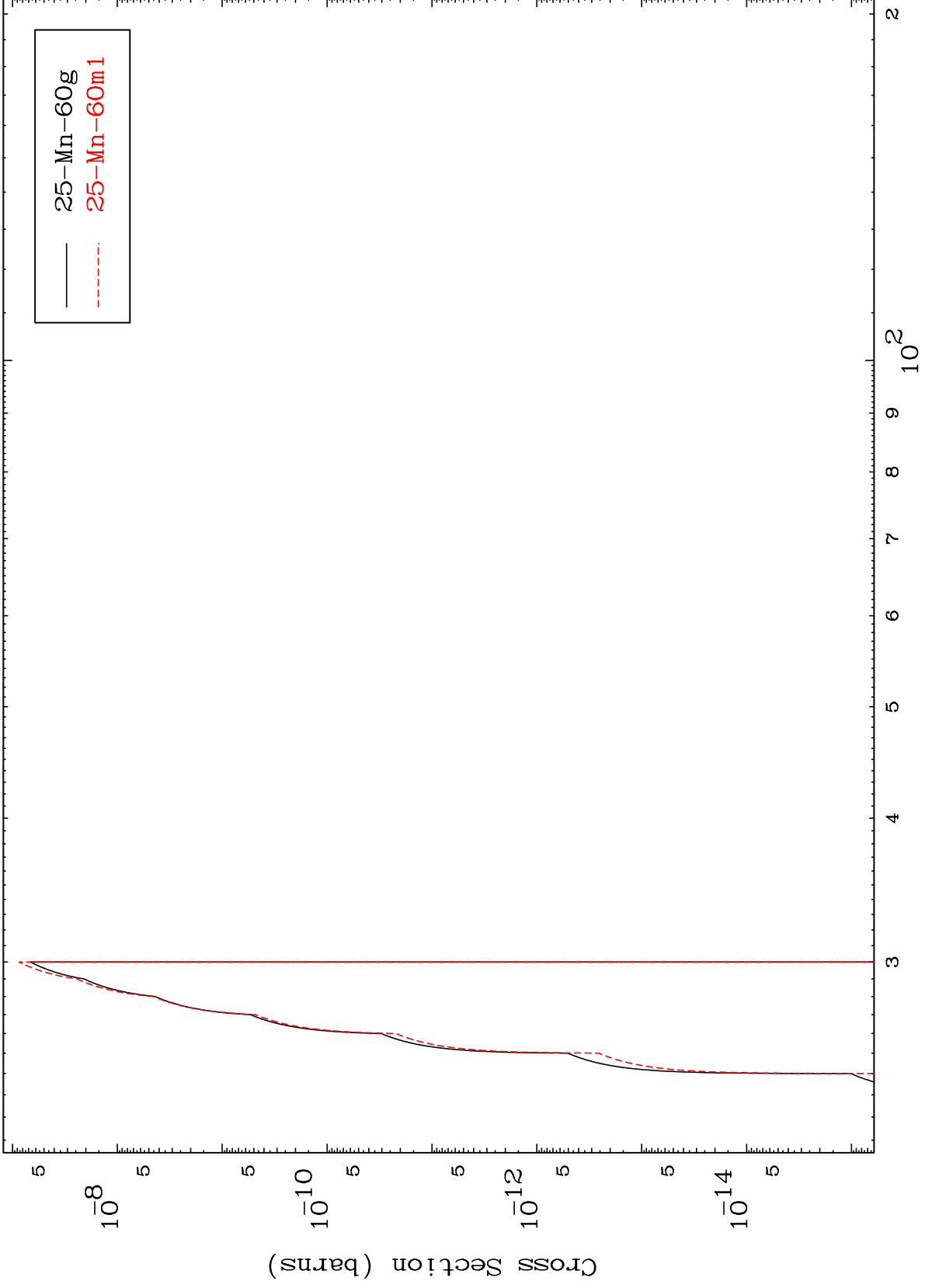
27-Co-62

MAT 2734

(n,p) d

²⁷Co-62

Radionuclide Production Cross Section



106

Incident Energy (MeV)

²⁷Co-62