

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

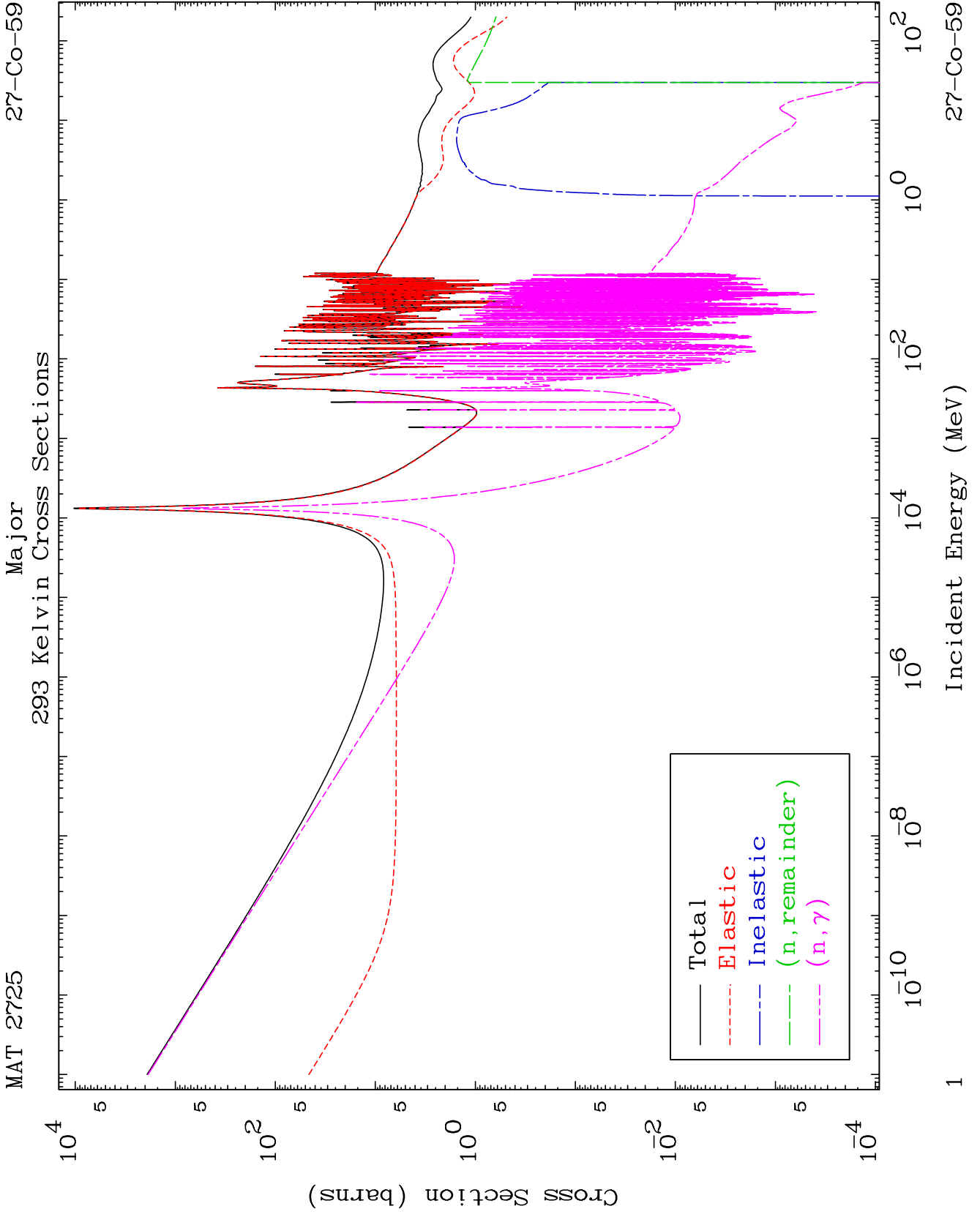
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Web: redcullen1.net/HOMEPAGE.NEW

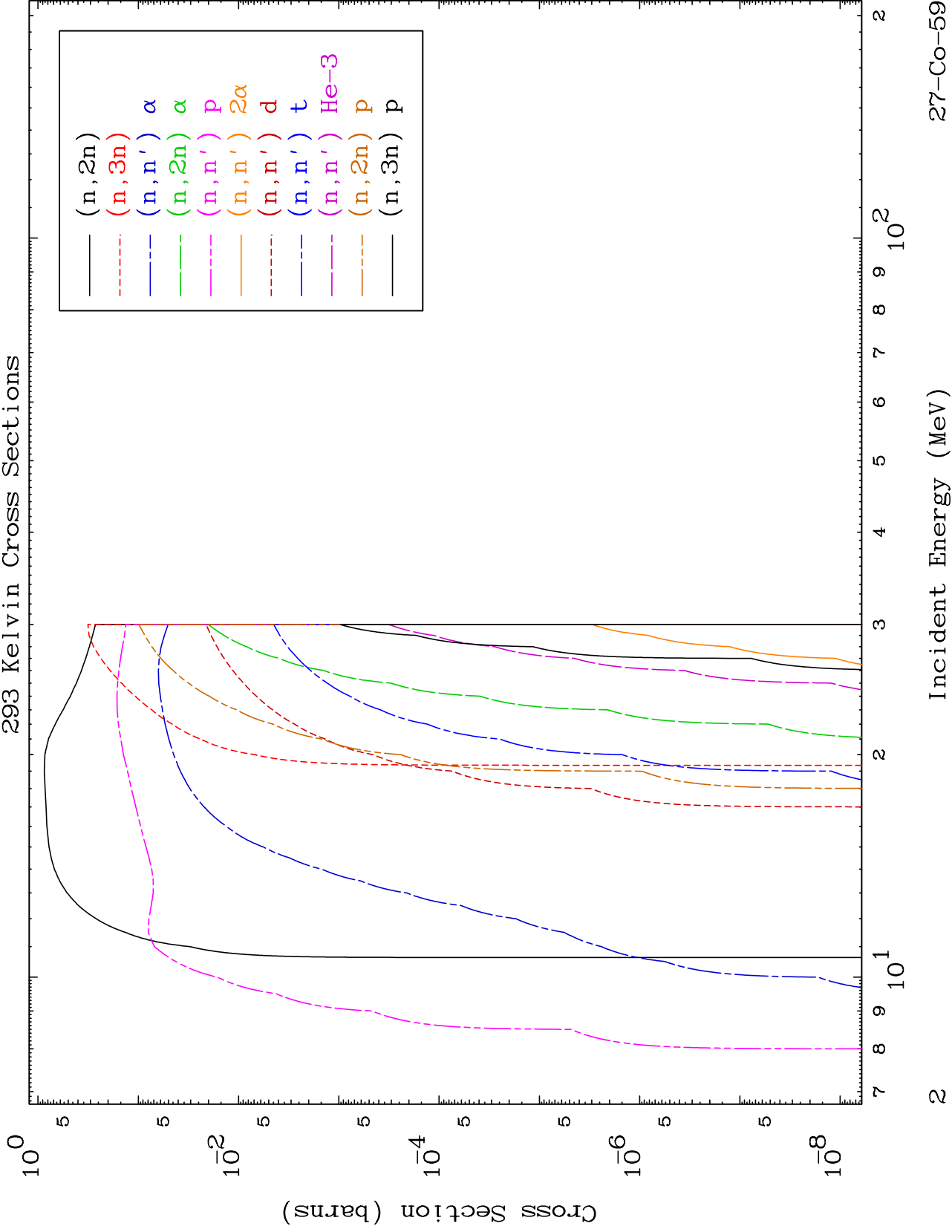
Press Mouse Button to Start



MAT 2725

Neutron Production
293 Kelvin Cross Sections

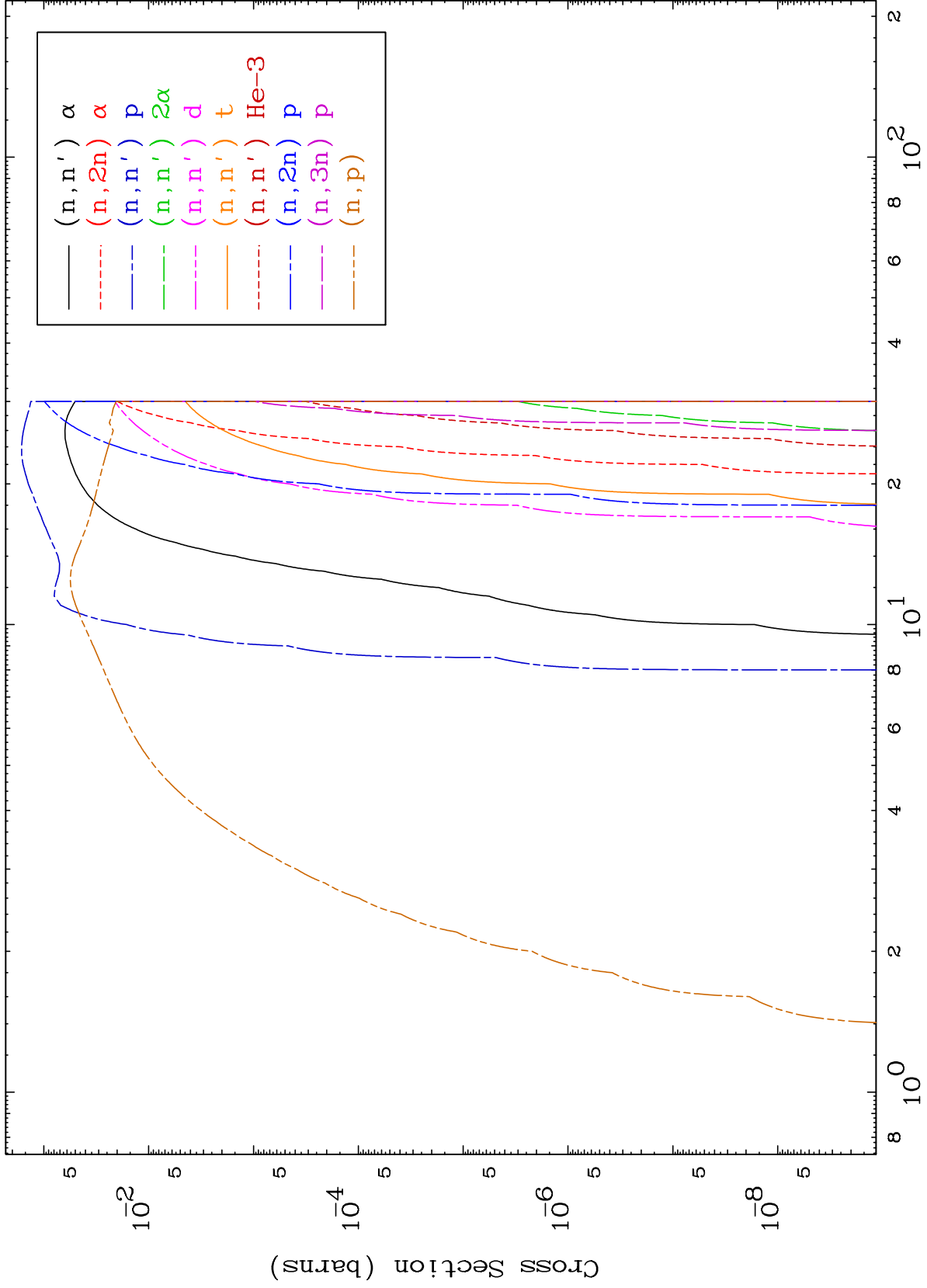
27-Co-59



MAT 2725

Charged Particle
293 Kelvin Cross Sections

27-Co-59



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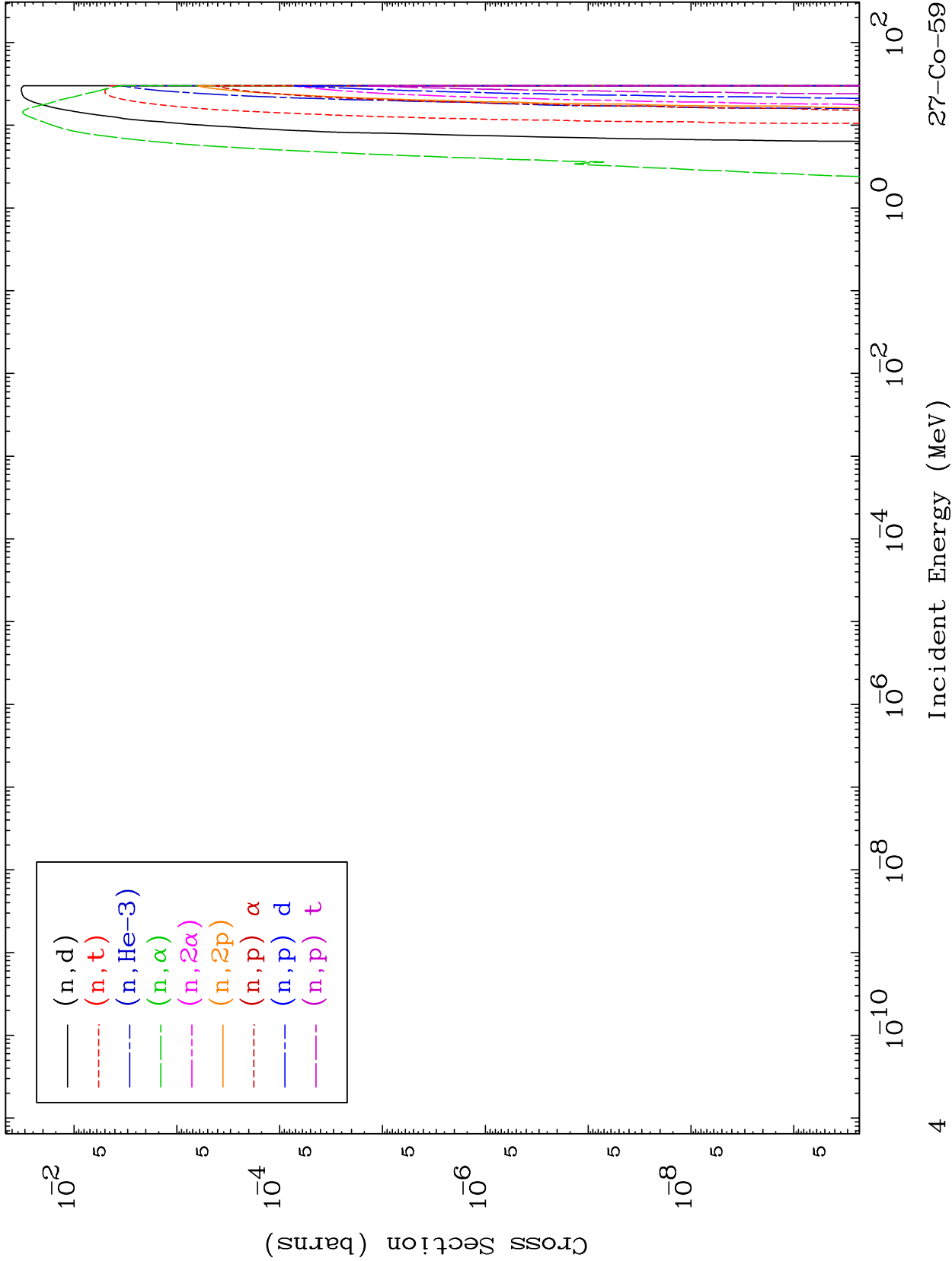
Incident Energy (MeV)

27-Co-59

MAT 2725

Charged Particle
293 Kelvin Cross Sections

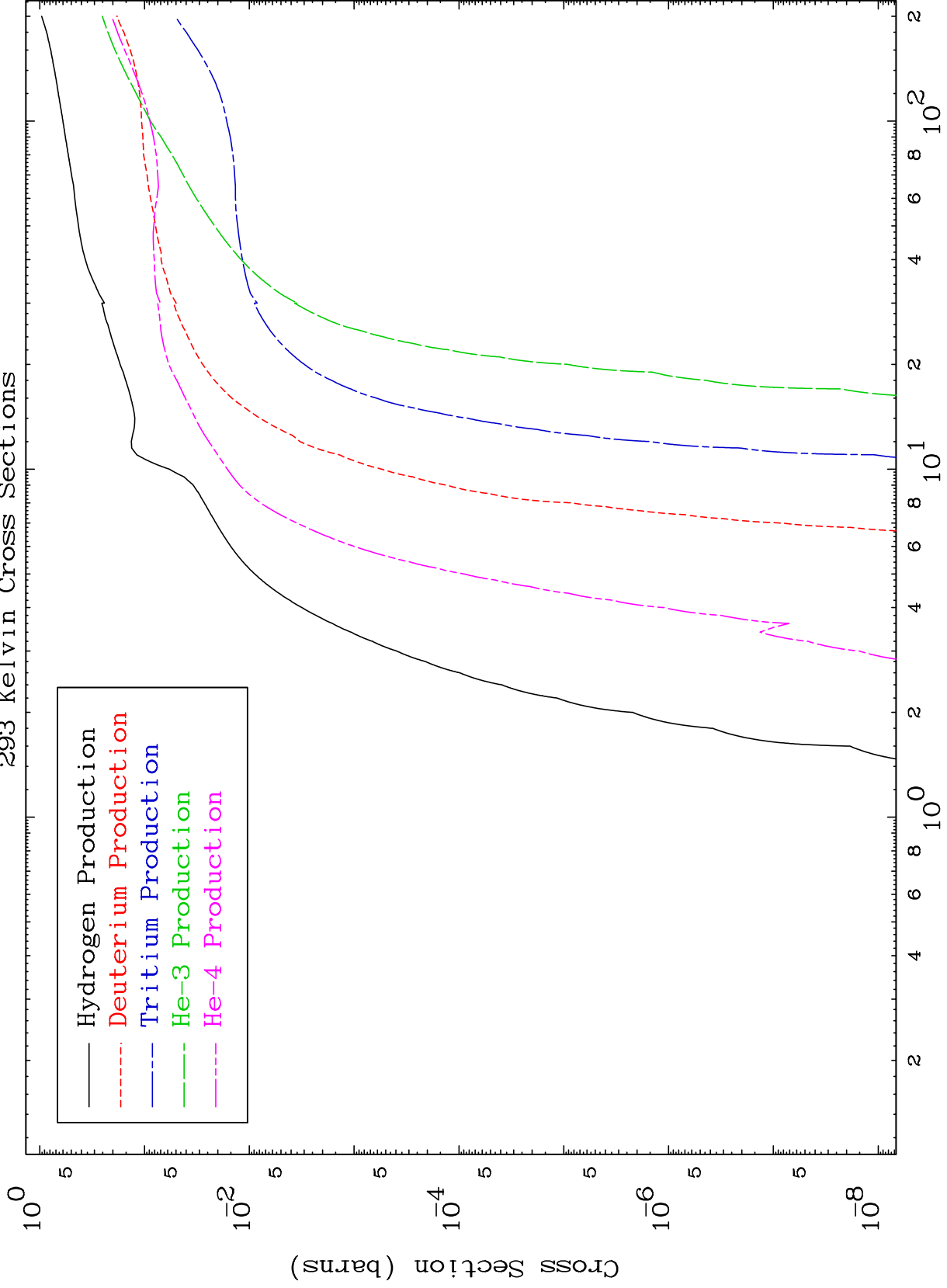
27-Co-59



MAT 2725

Particle Production
293 Kelvin Cross Sections

27-Co-59

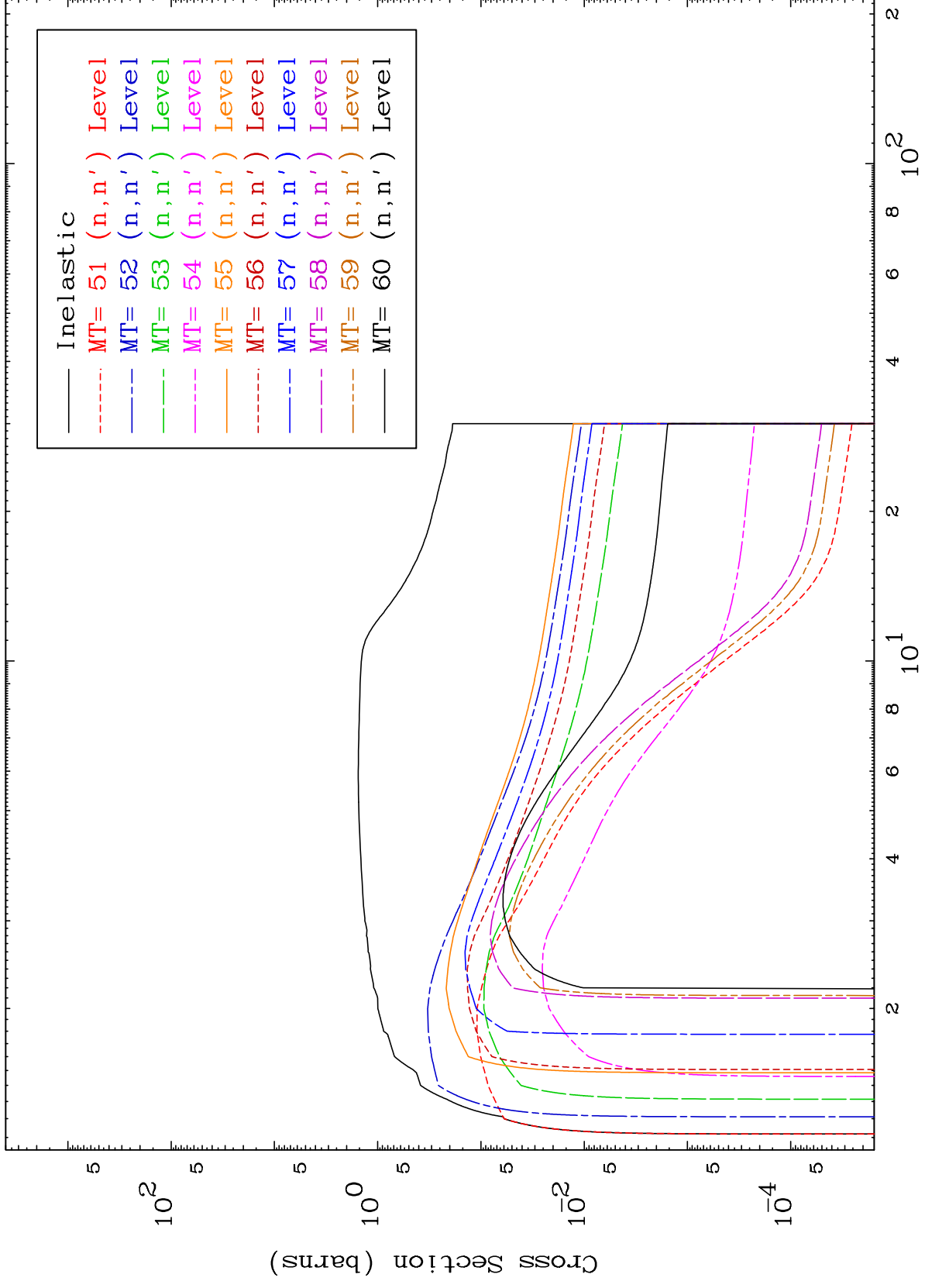


MAT 2725

(n,n') Level

27-Co-59

293 Kelvin Cross Sections



6

Incident Energy (MeV)

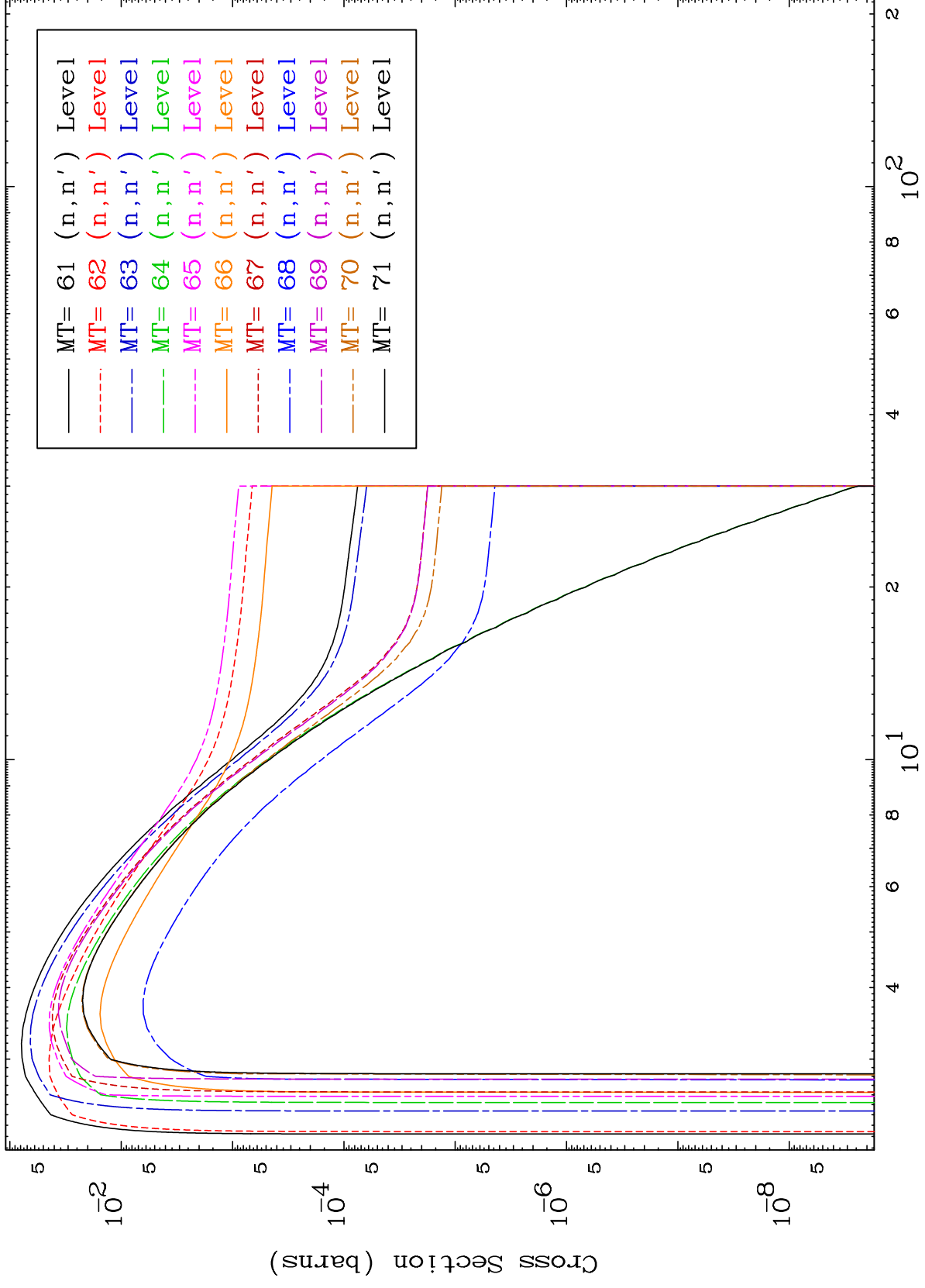
27-Co-59

MAT 2725

(n,n') Level

27-Co-59

293 Kelvin Cross Sections

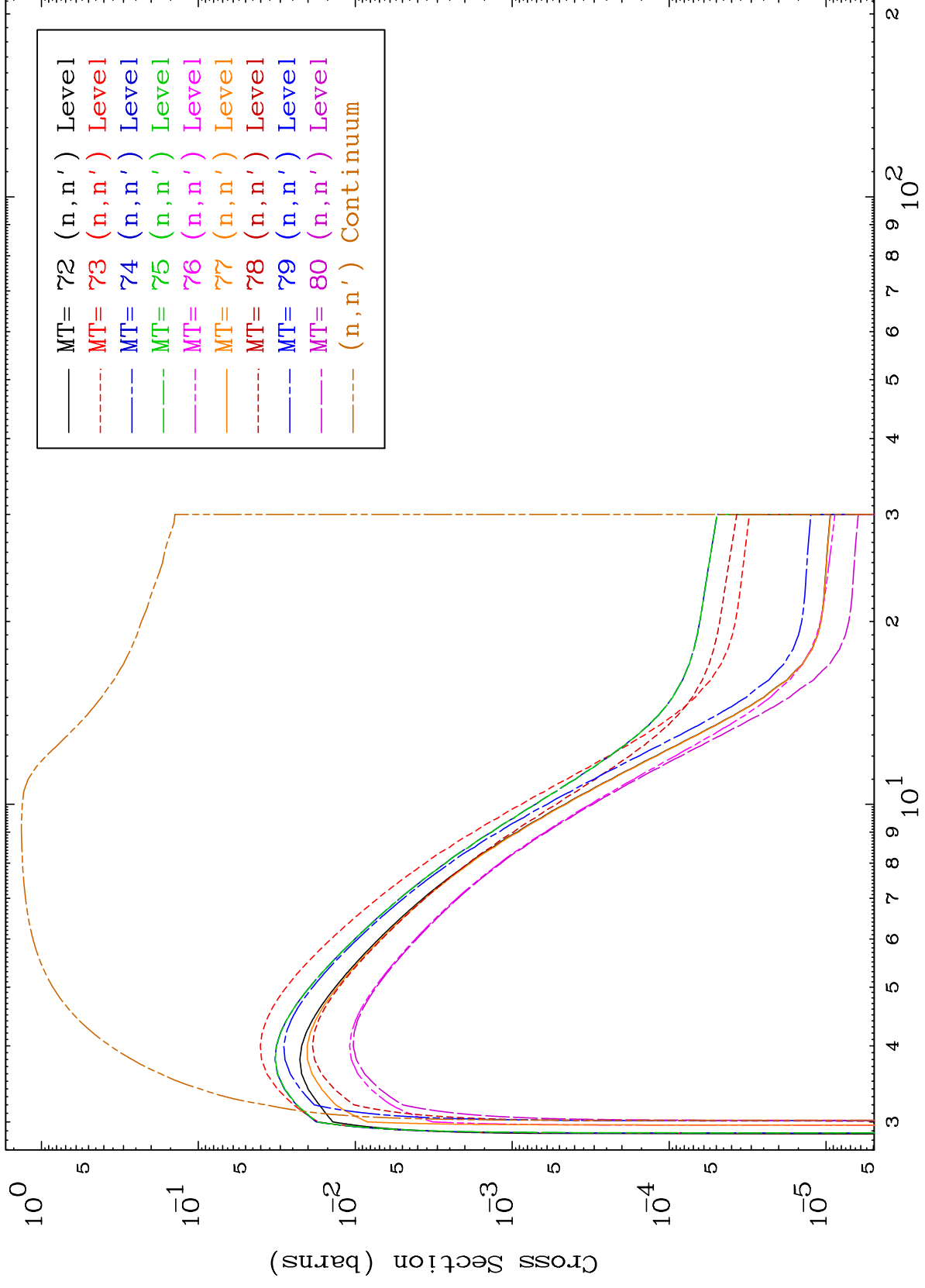


MAT 2725

(n,n') Level

27-Co-59

293 Kelvin Cross Sections



8

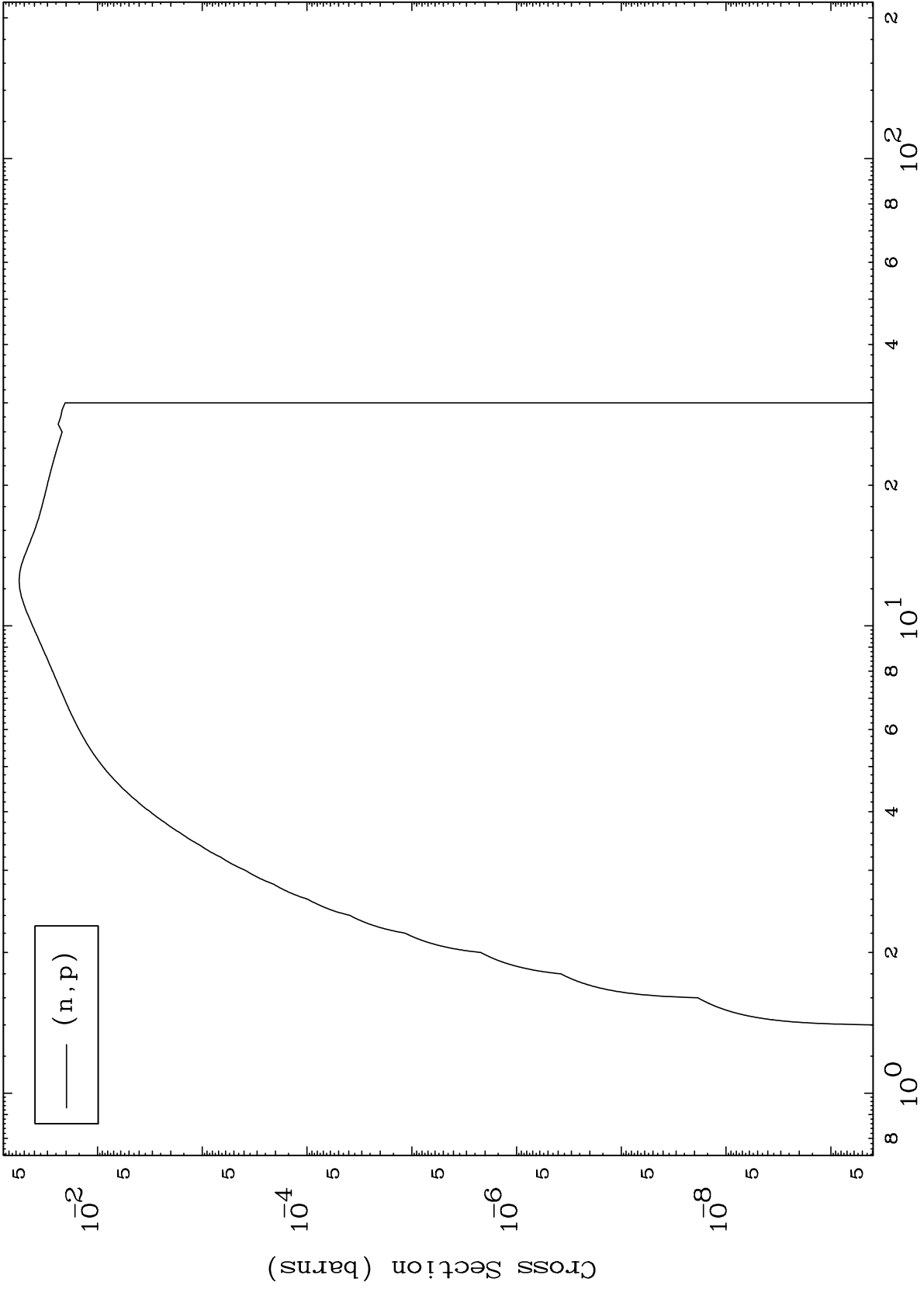
Incident Energy (MeV)

27-Co-59

MAT 2725

(n,p) Levels
293 Kelvin Cross Sections

27-Co-59



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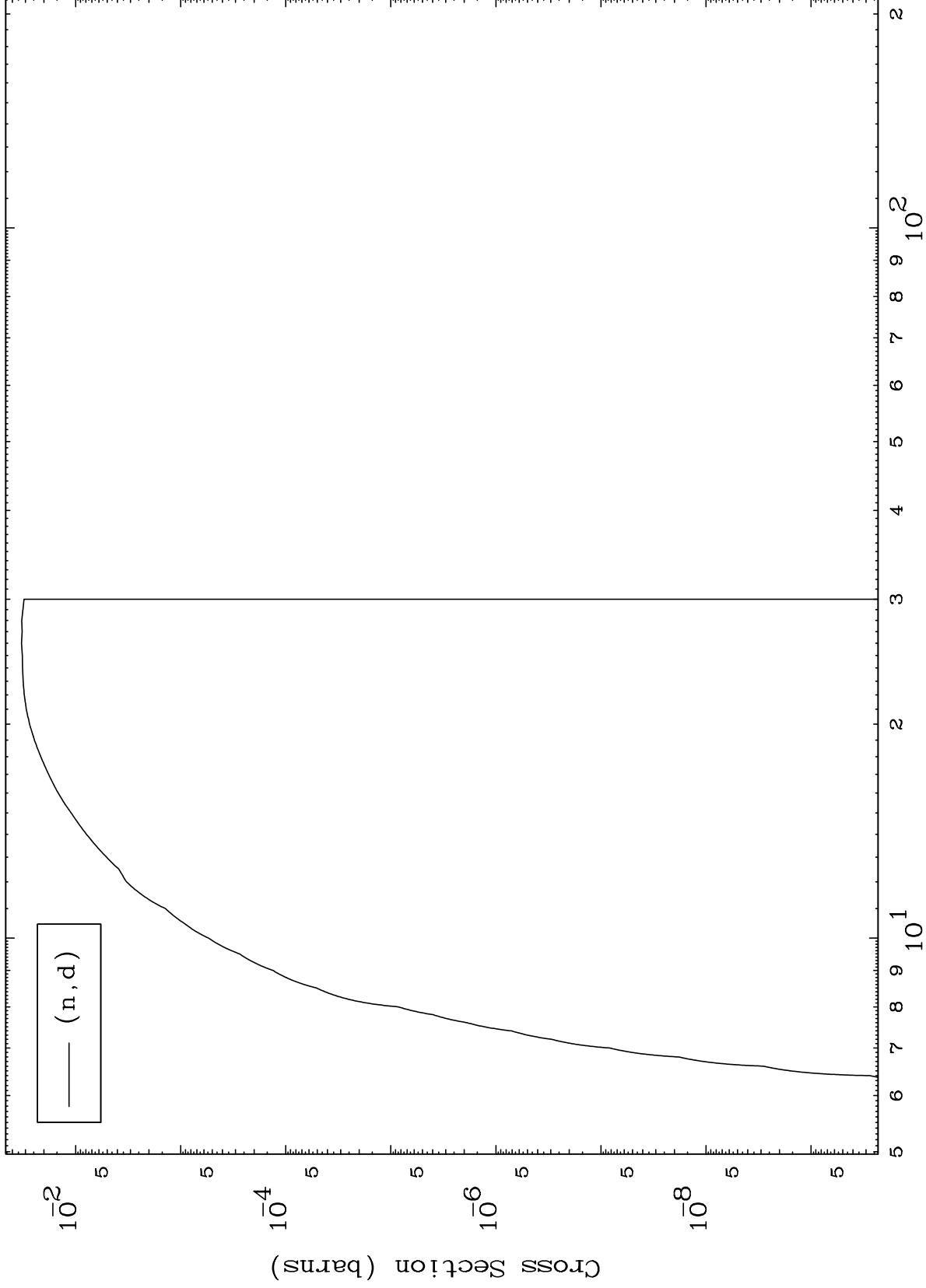
Incident Energy (MeV)

27-Co-59

MAT 2725

(n,d) Levels
293 Kelvin Cross Sections

27-Co-59



10

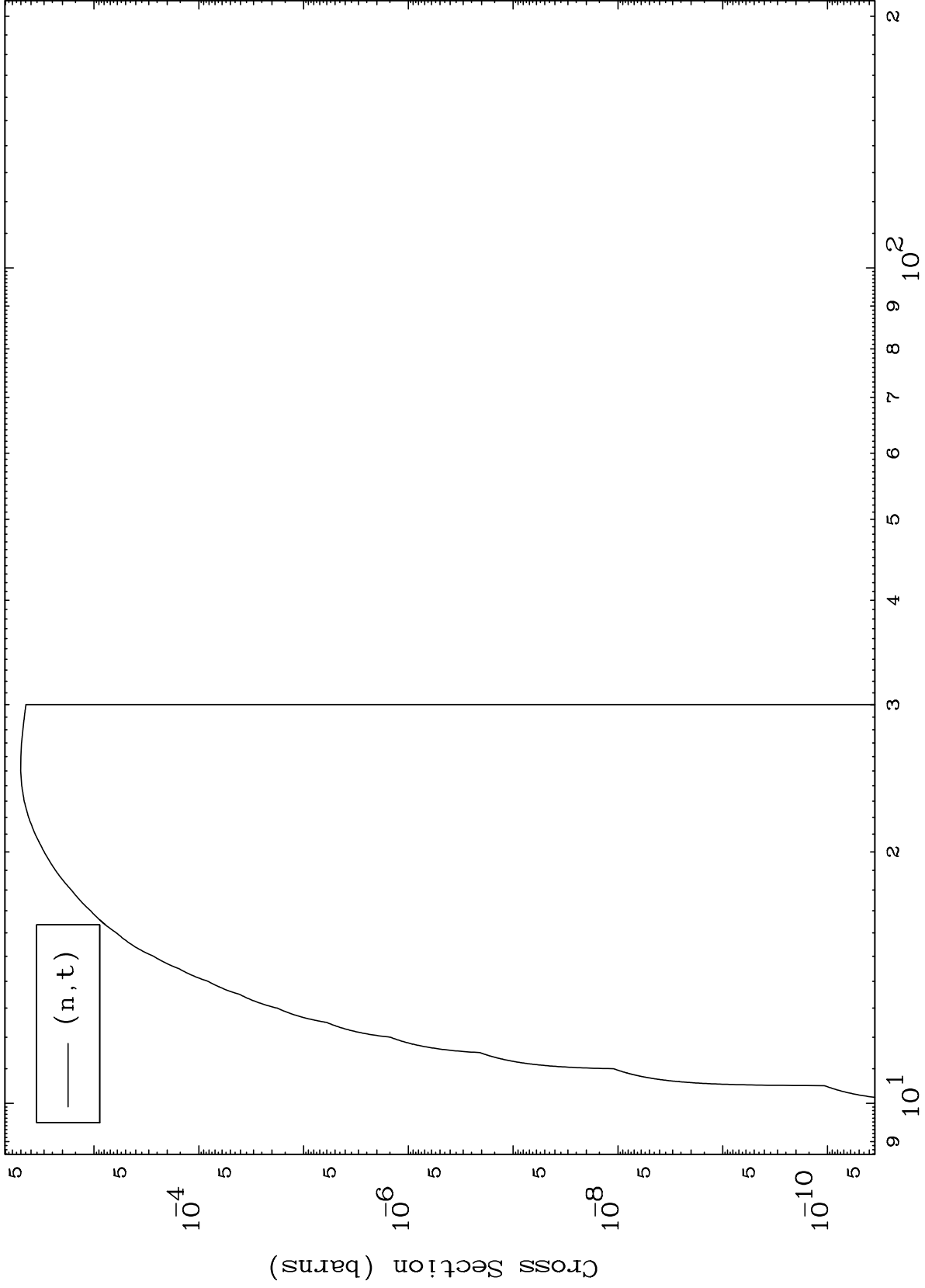
Incident Energy (MeV)

27-Co-59

MAT 2725

(n,t) Levels
293 Kelvin Cross Sections

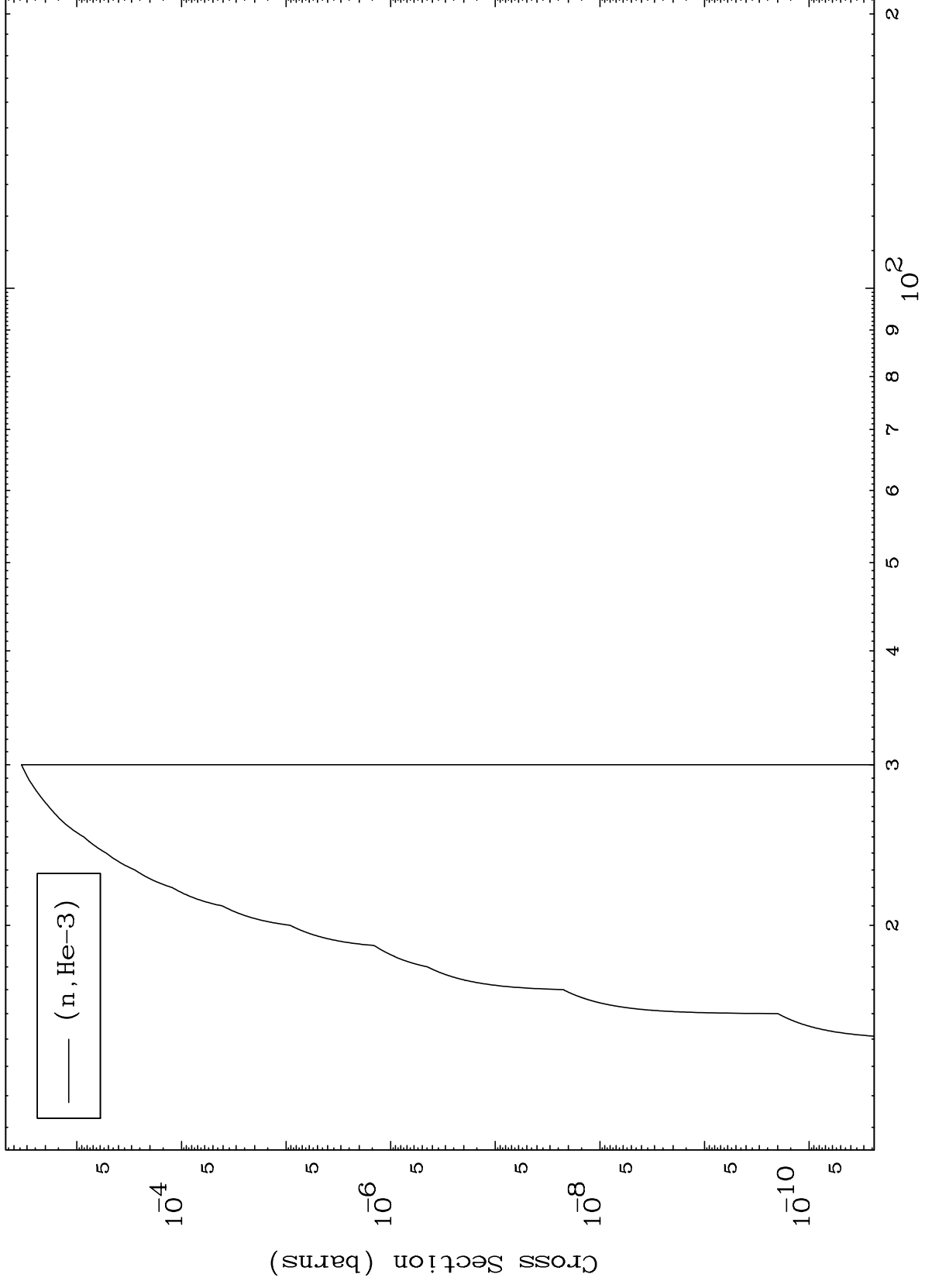
27-Co-59



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Incident Energy (MeV)

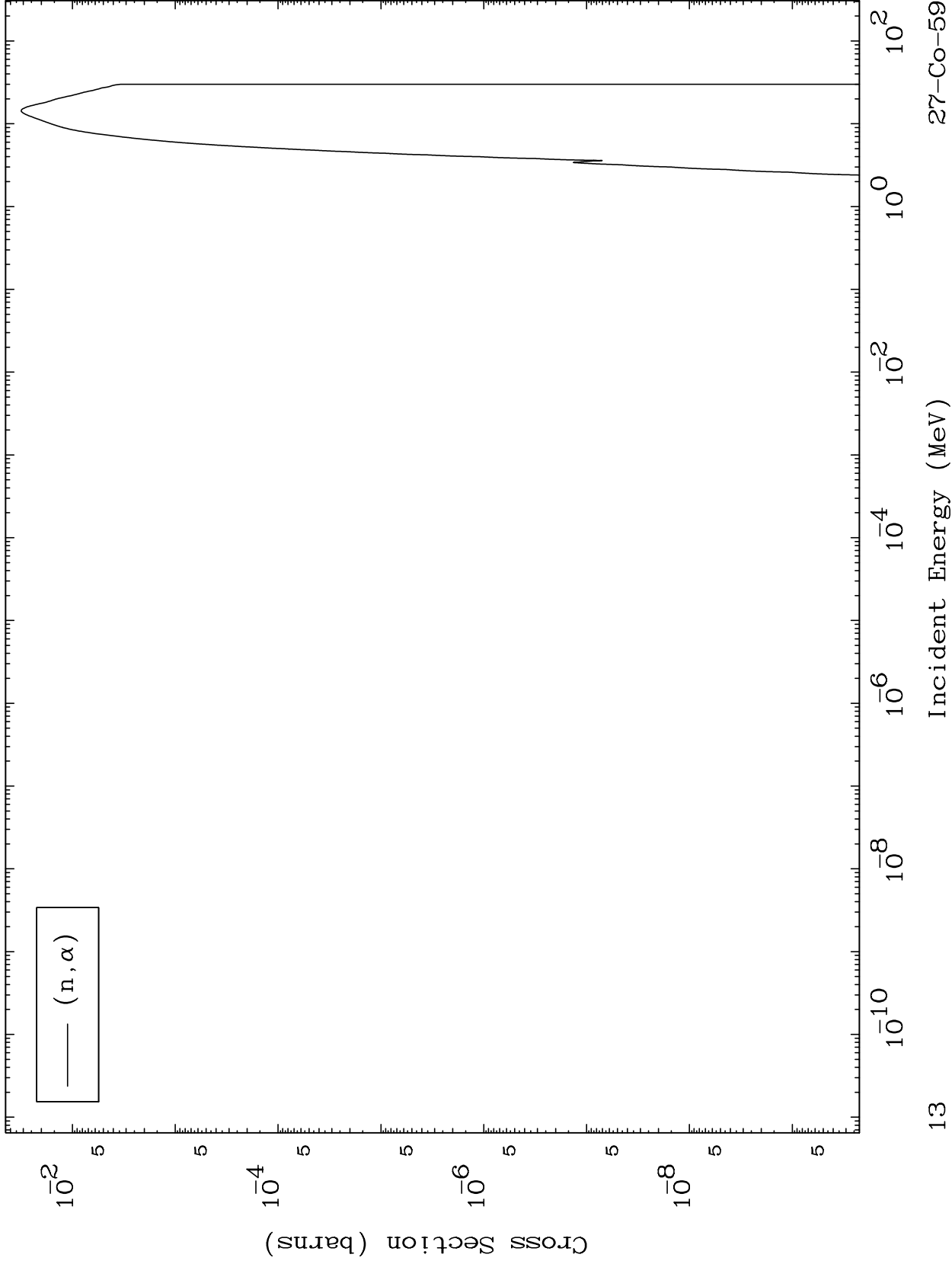
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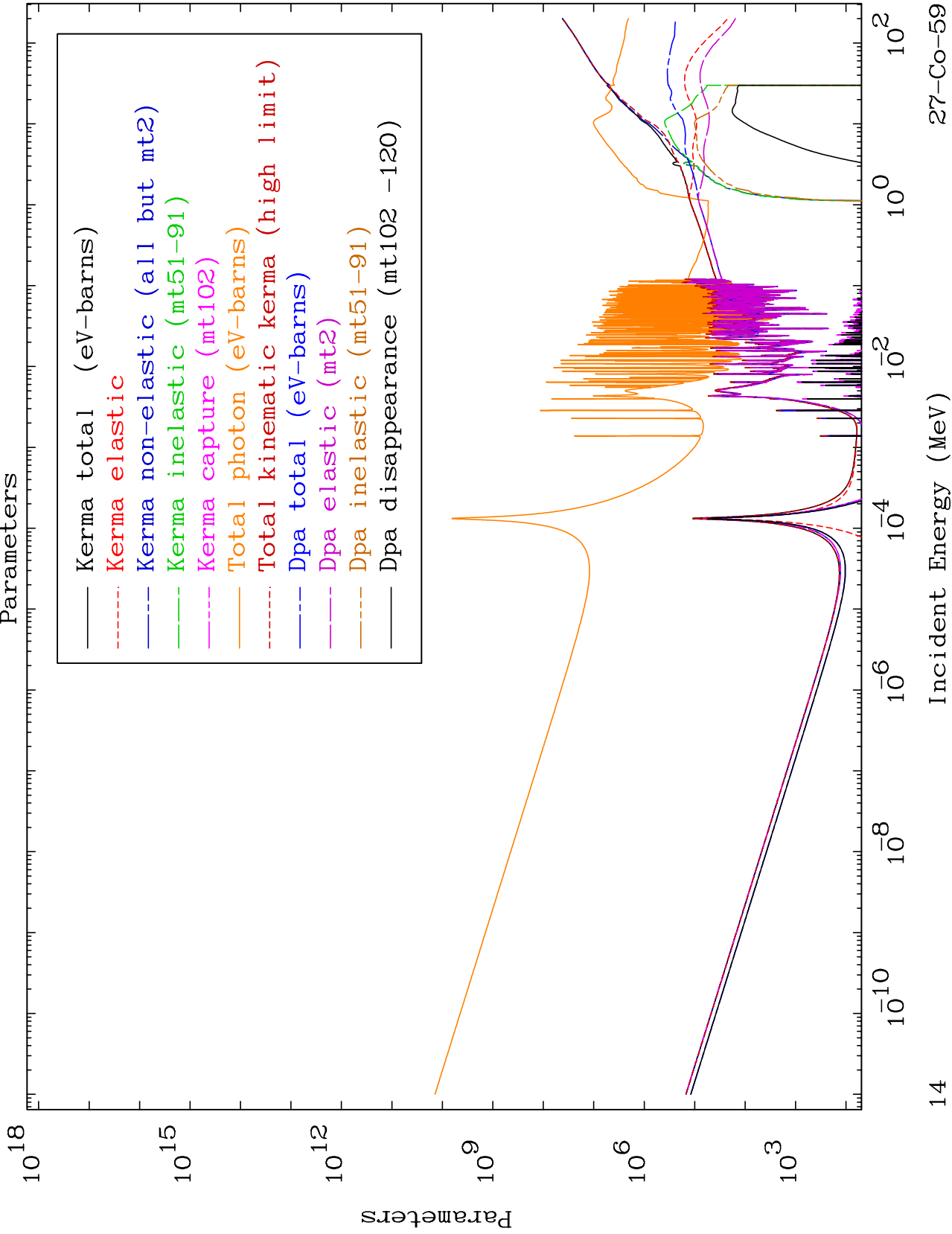


MAT 2725

(n, α) Levels
293 Kelvin Cross Sections

27-Co-59

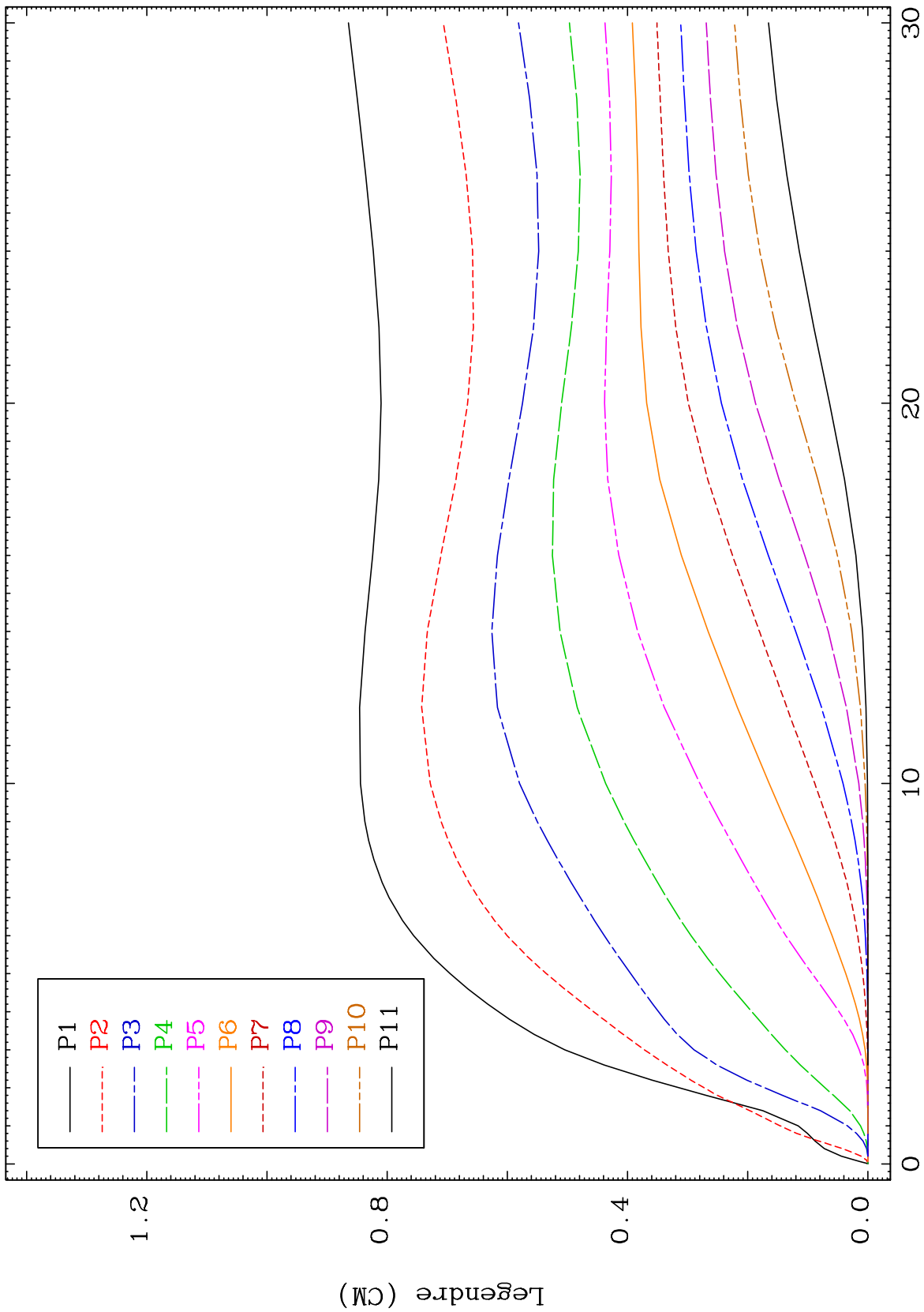




MAT 2725

Elastic Legendre Coefficients

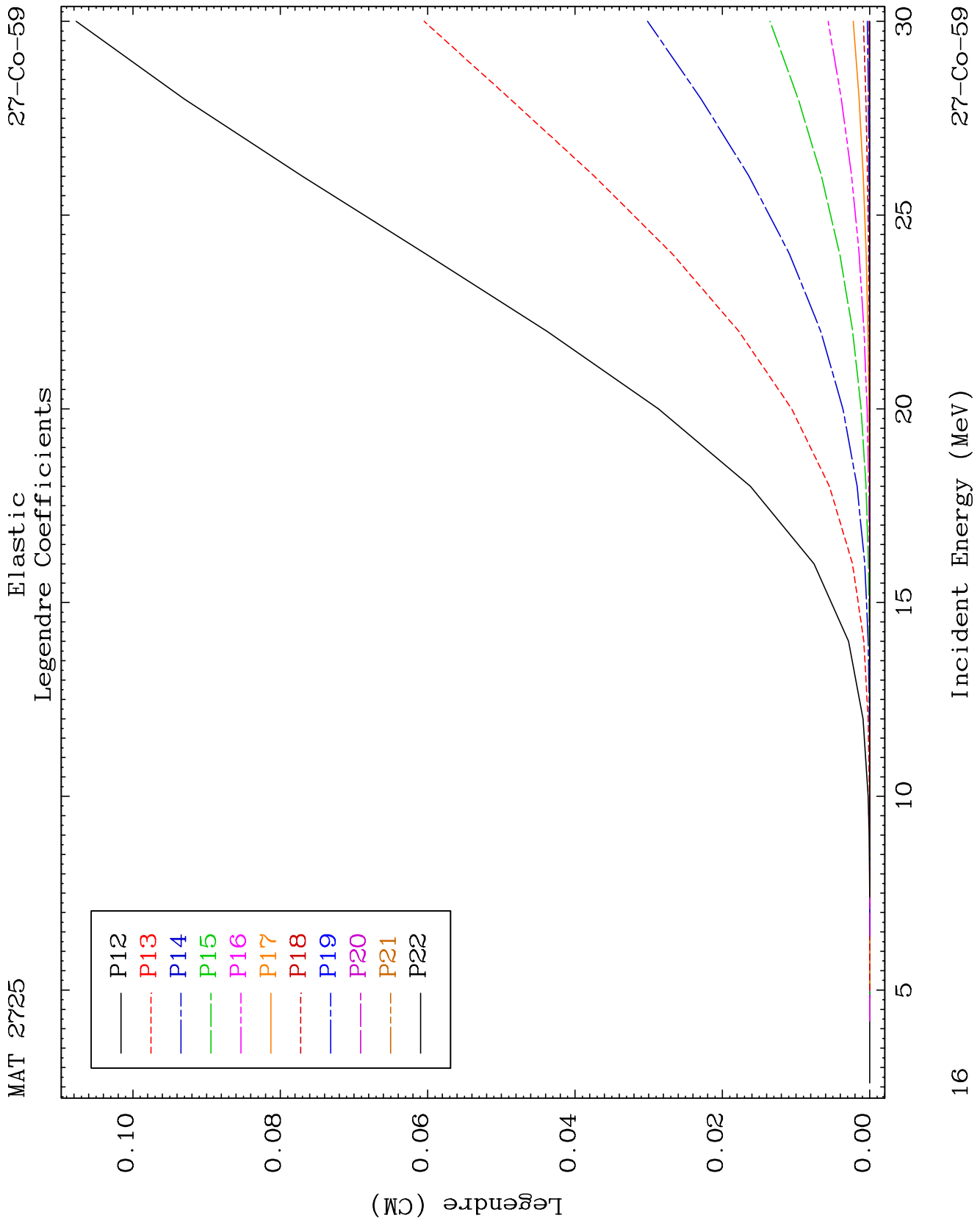
27-Co-59



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Incident Energy (MeV)

27-Co-59



MAT 2725

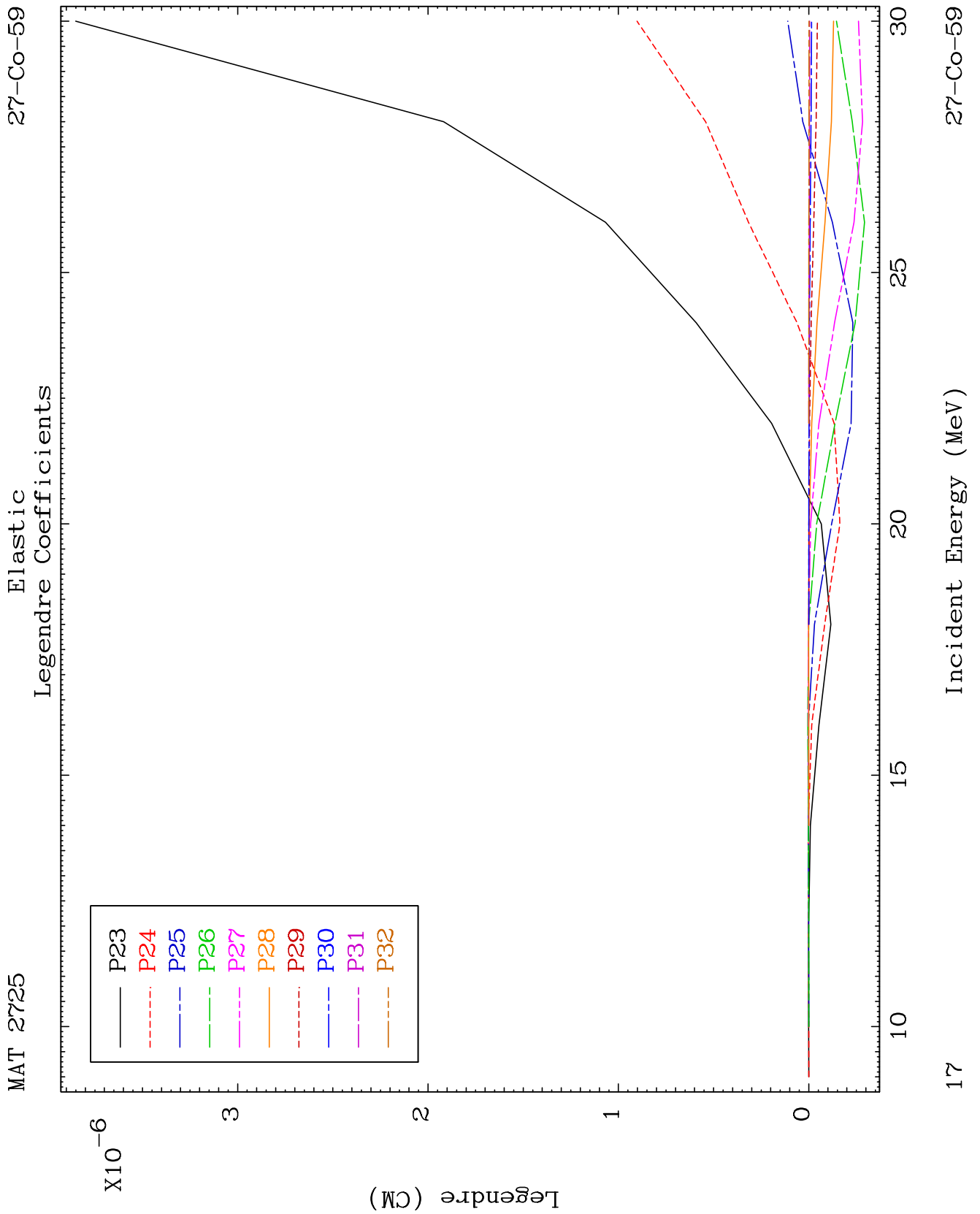
Elastic Legendre Coefficients

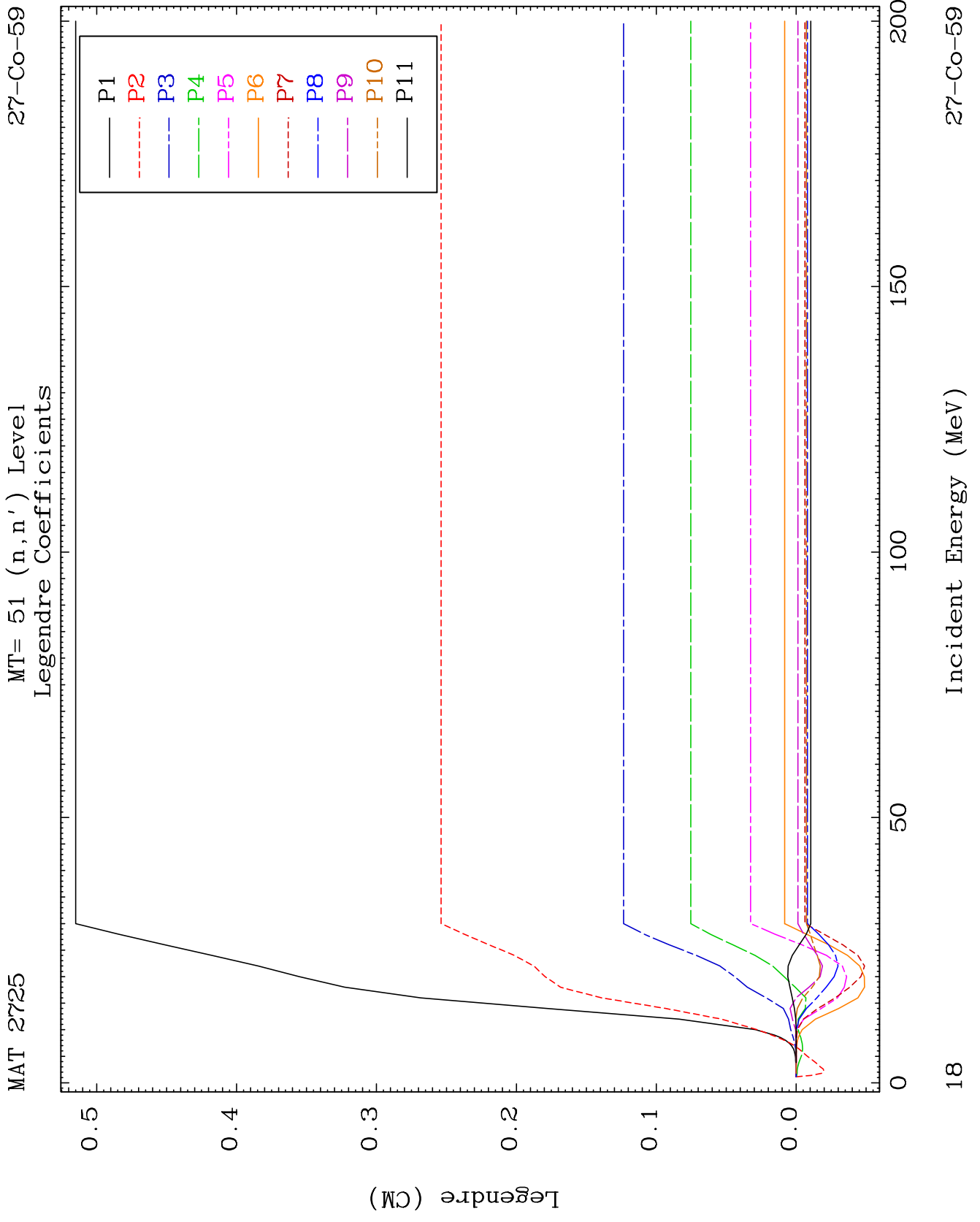
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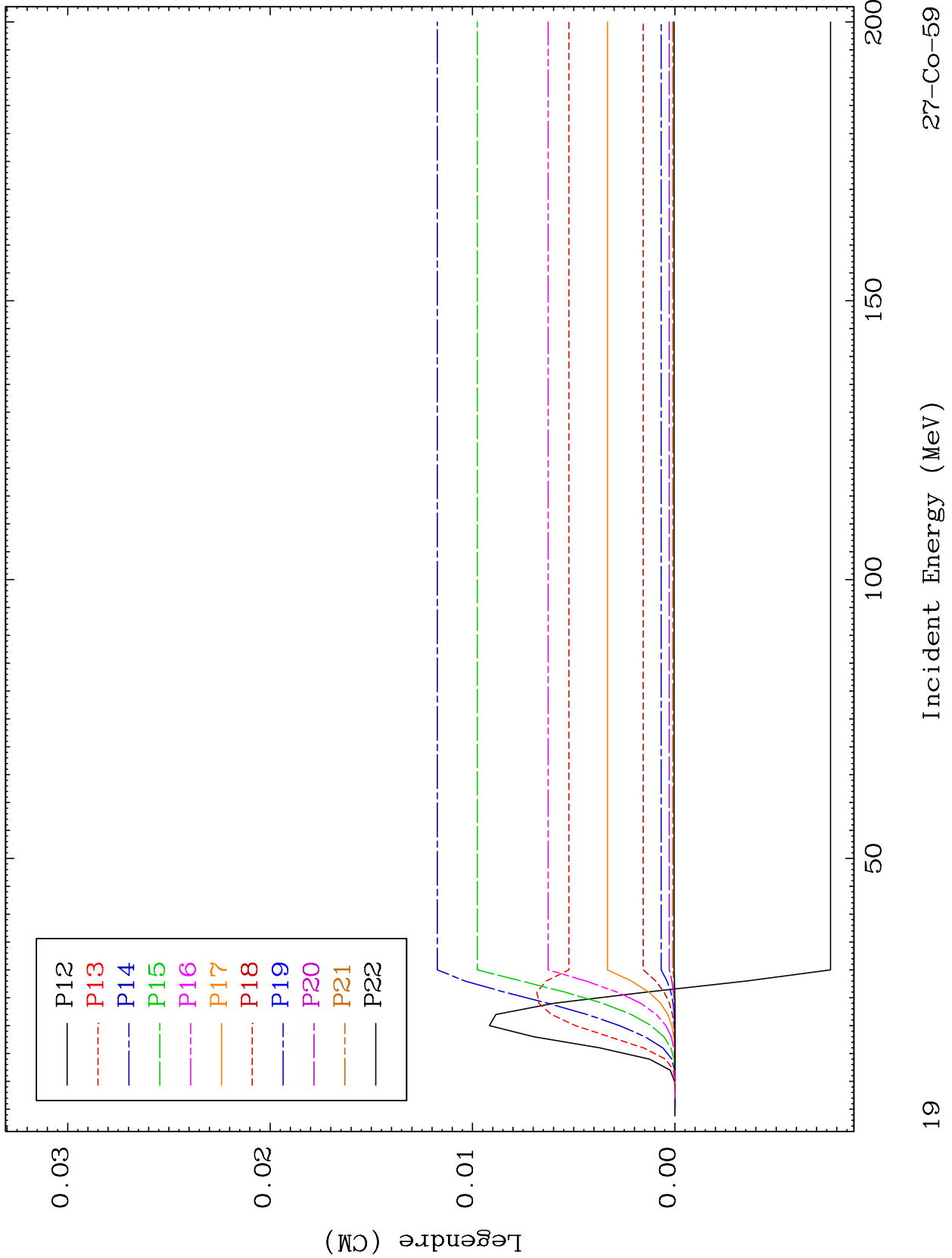
16

Incident Energy (MeV)

27-Co-59



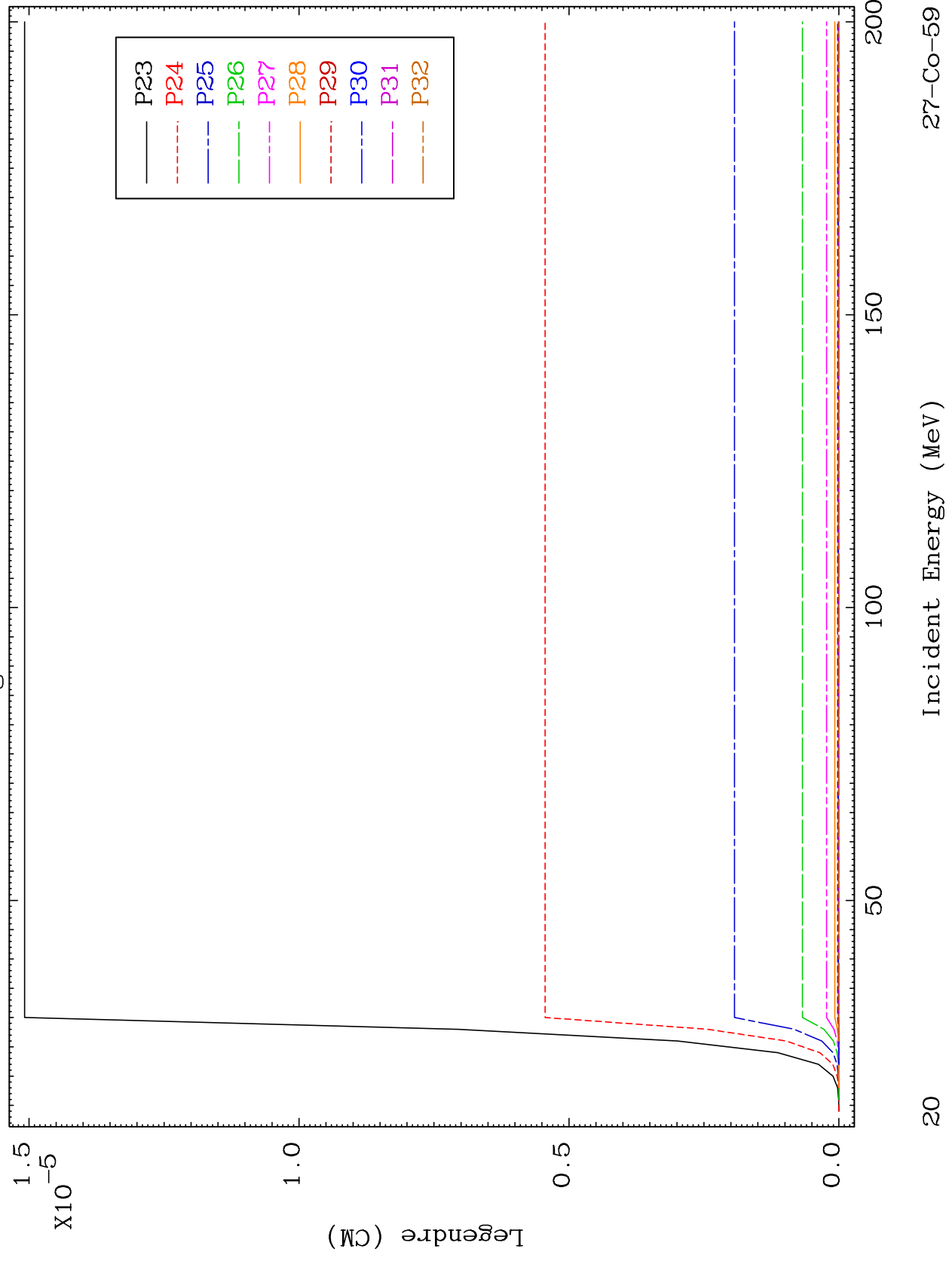




MAT 2725

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

27-Co-59



20

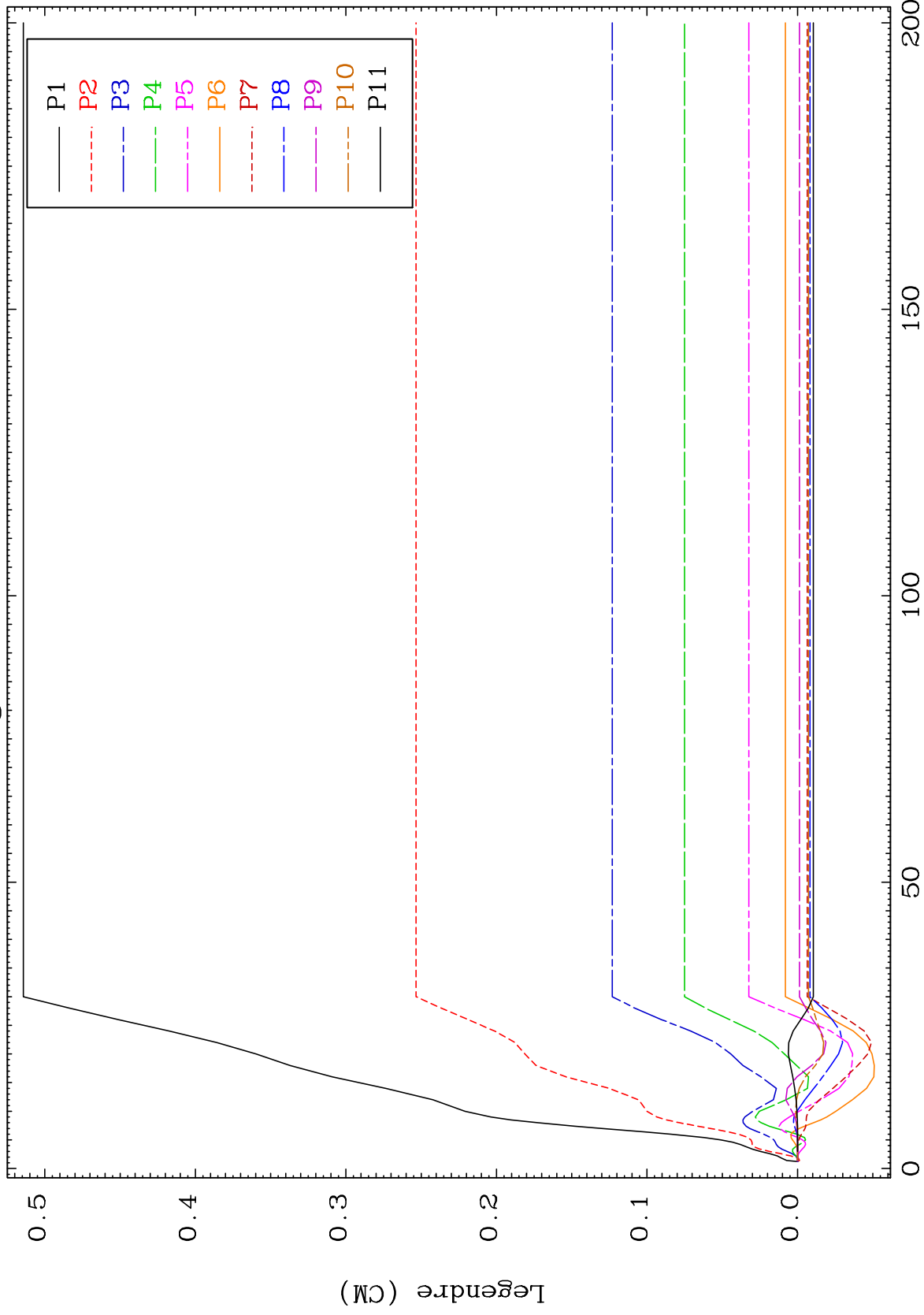
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



21

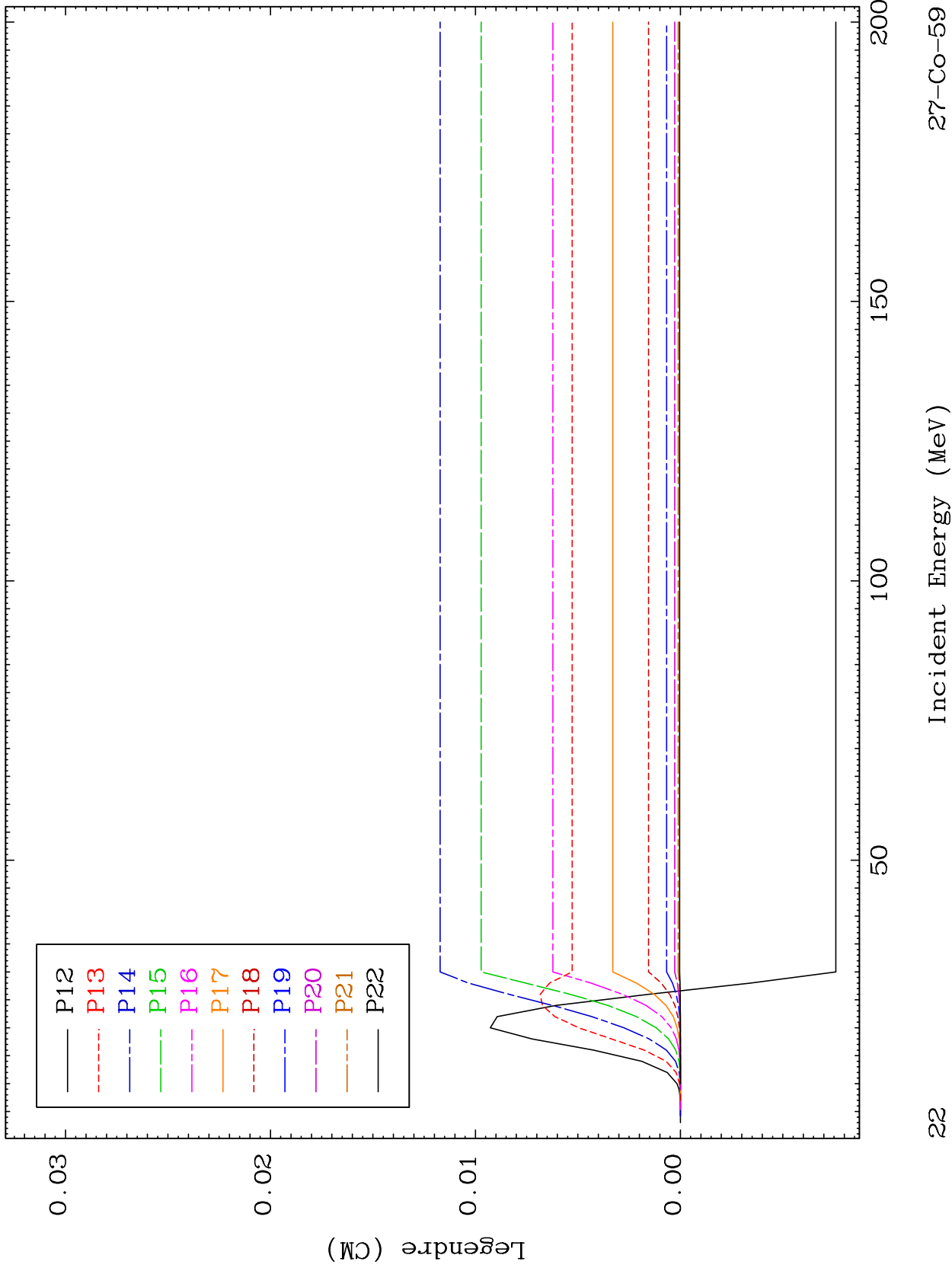
Incident Energy (MeV)

27-Co-59

MAT 2725

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

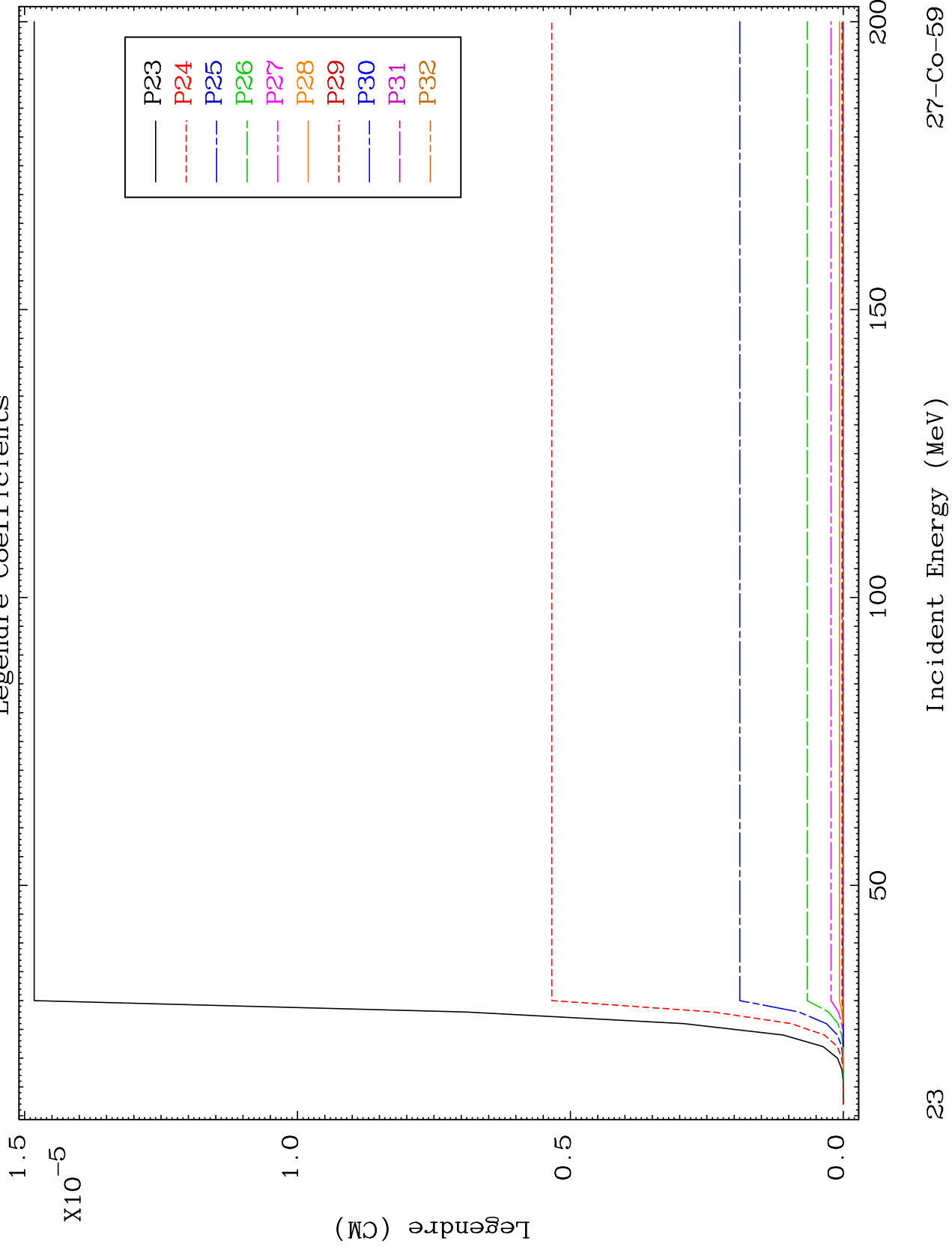
27-Co-59



MAT 2725

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

27-Co-59



23

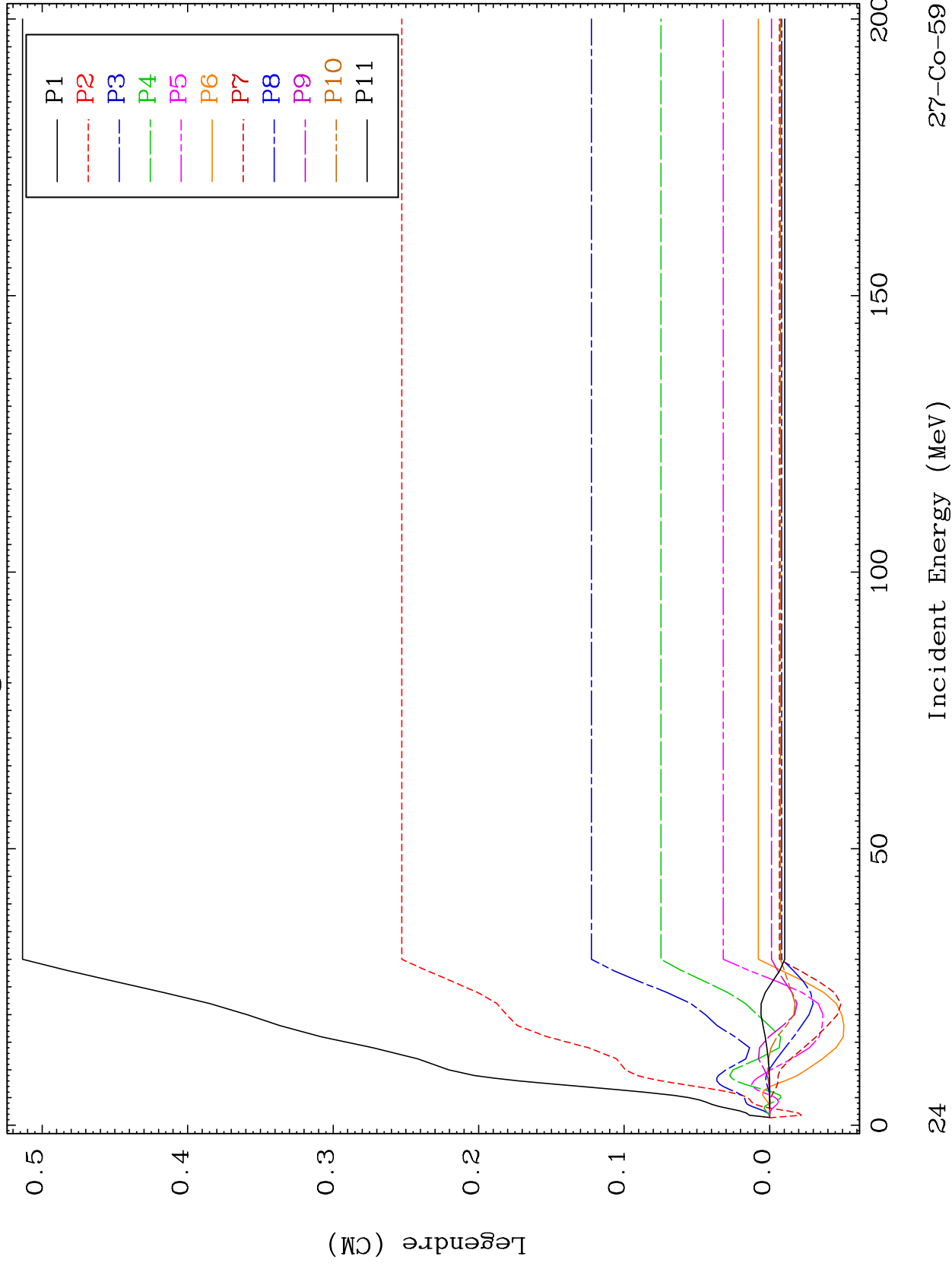
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



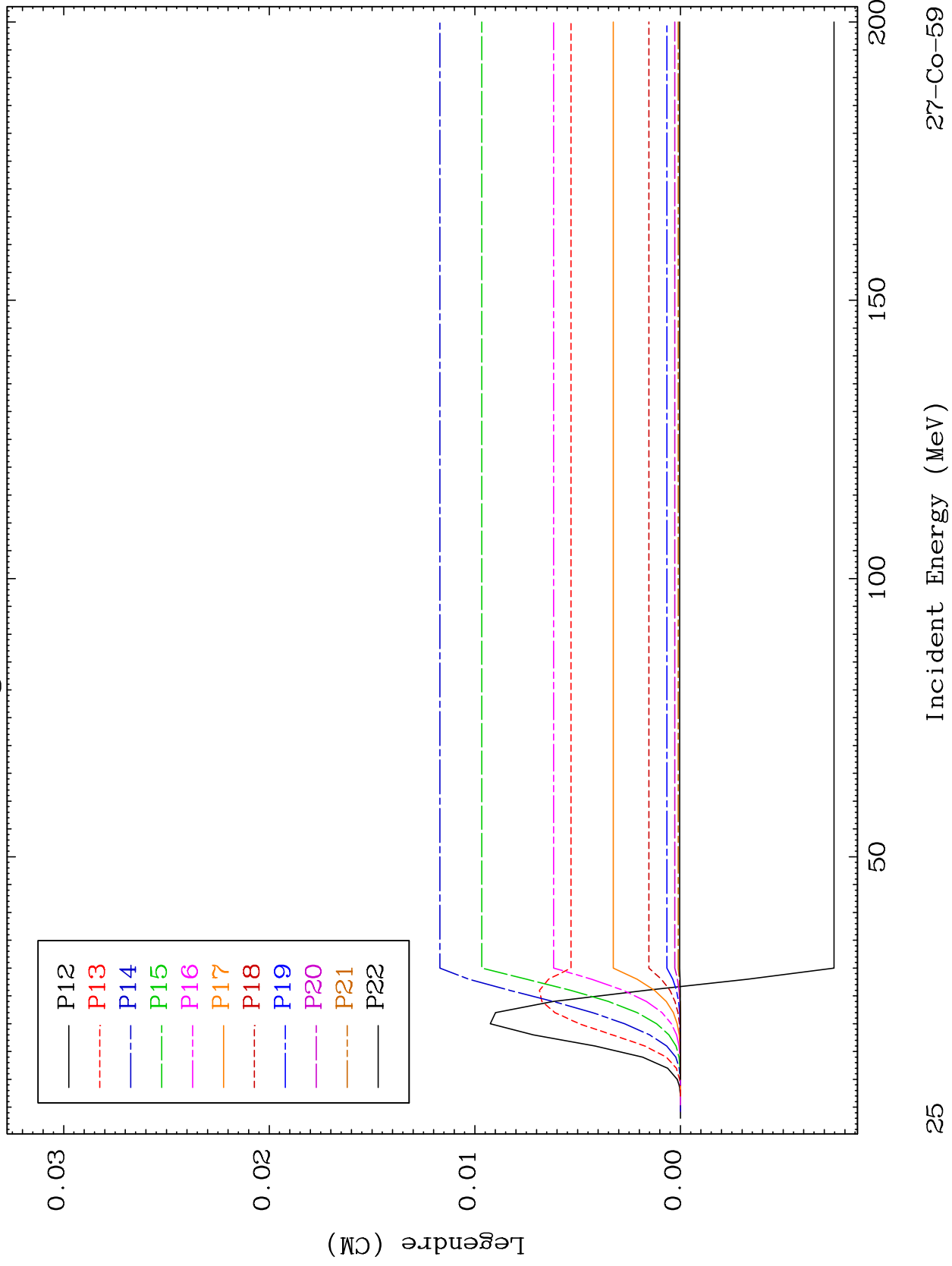
24

27-Co-59

MAT 2725

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

27-Co-59



25

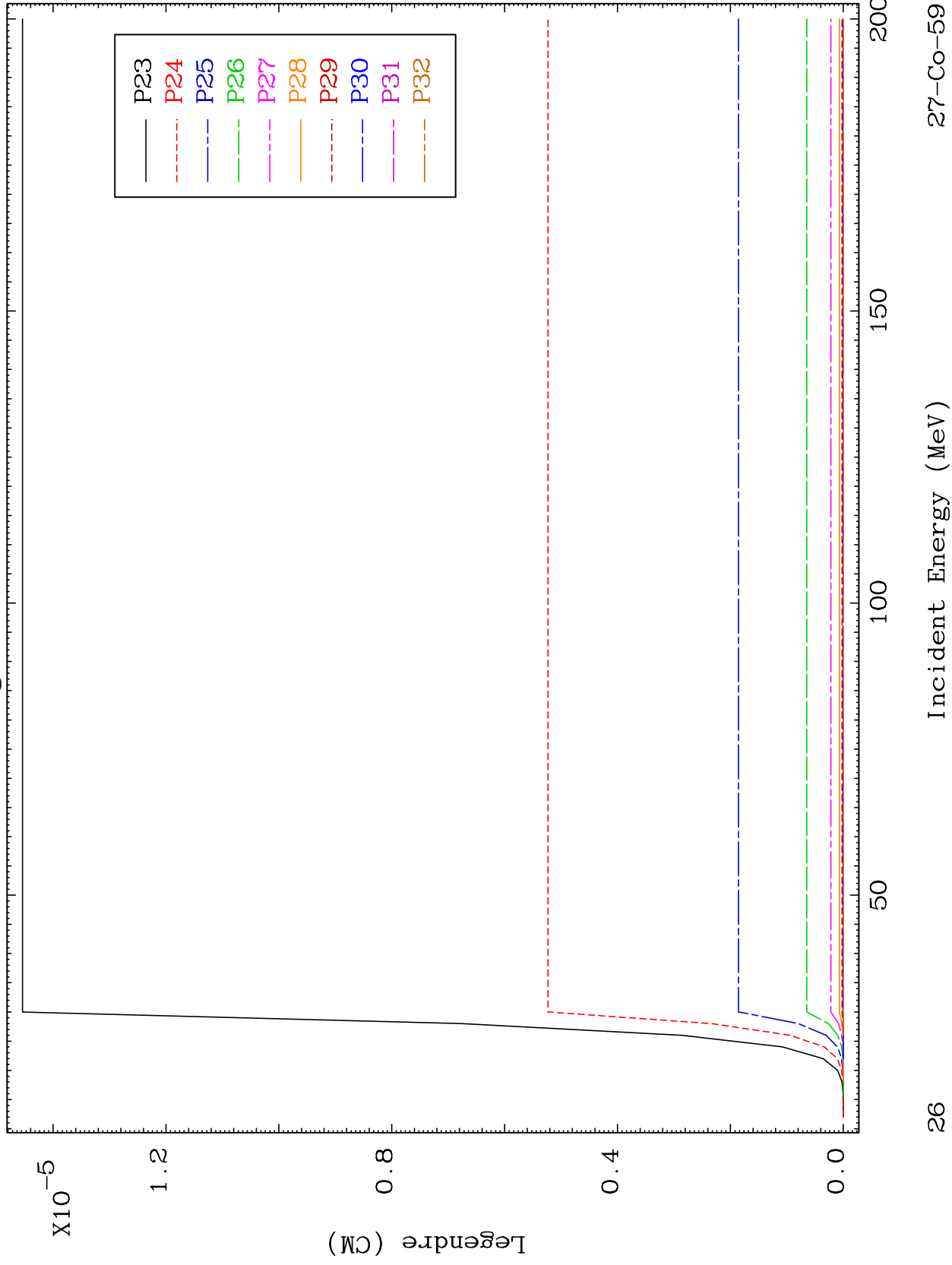
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



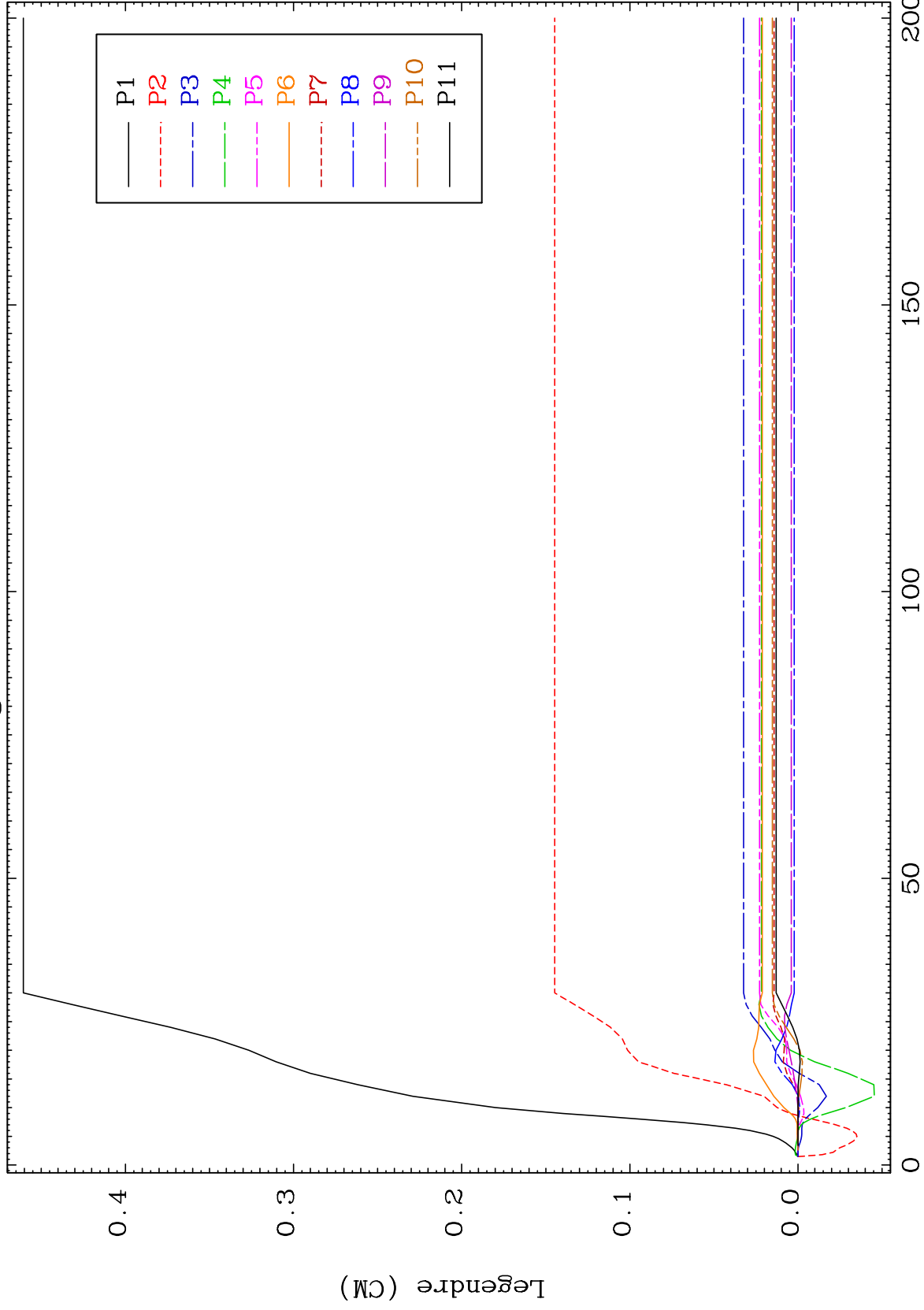
26

27-Co-59

MAT 2725

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

27-Co-59



27

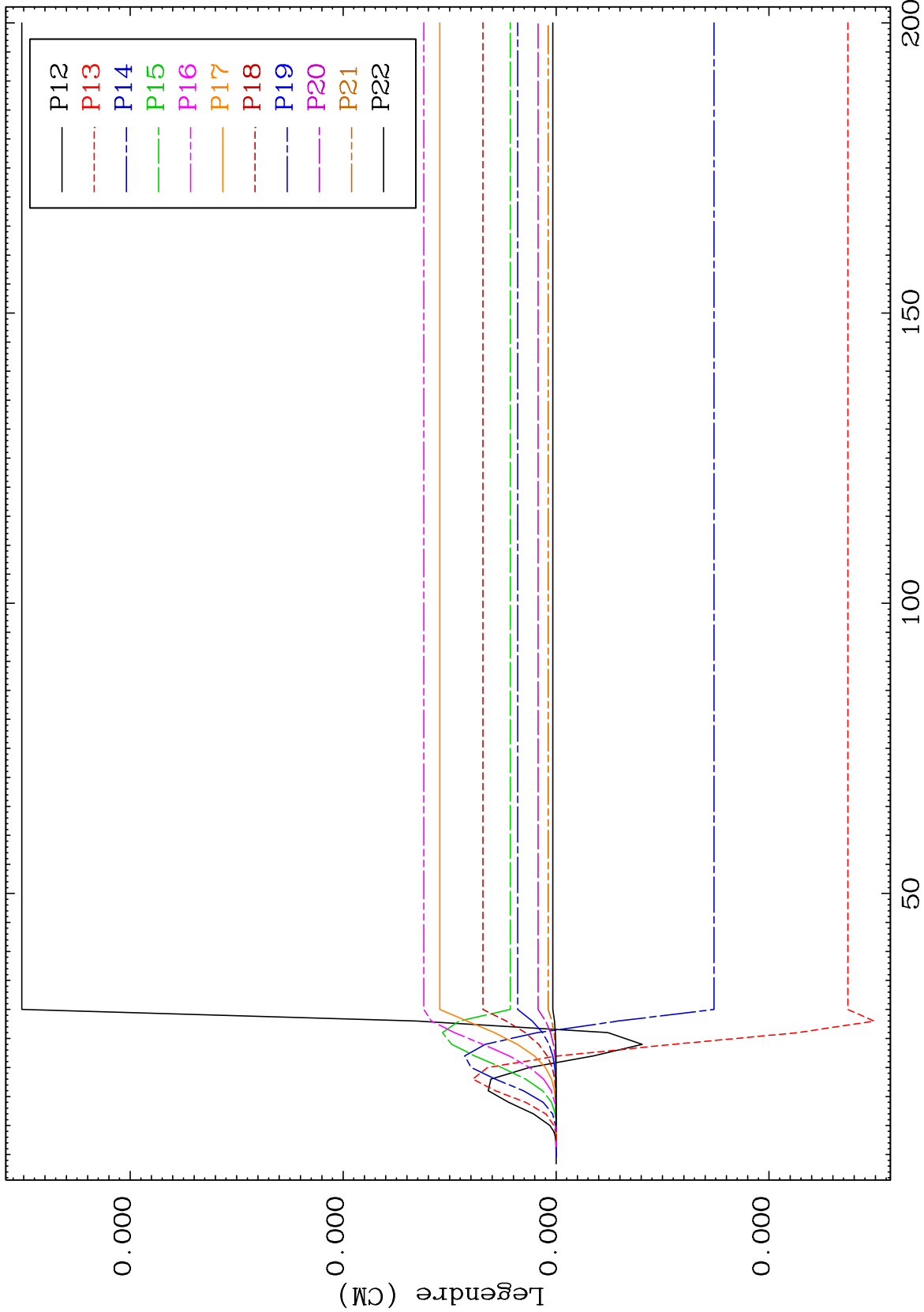
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



28

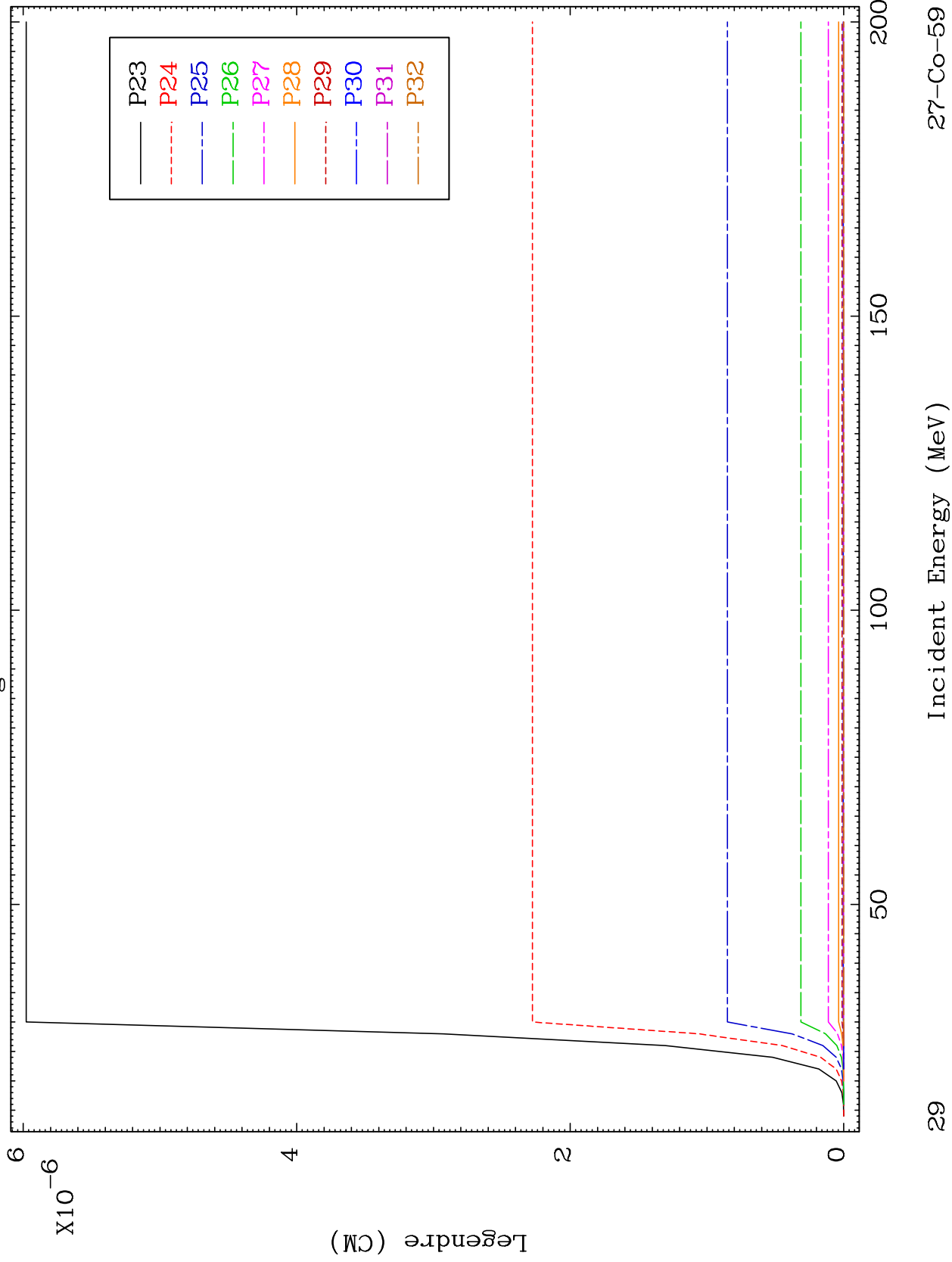
Incident Energy (MeV)

27-Co-59

MAT 2725

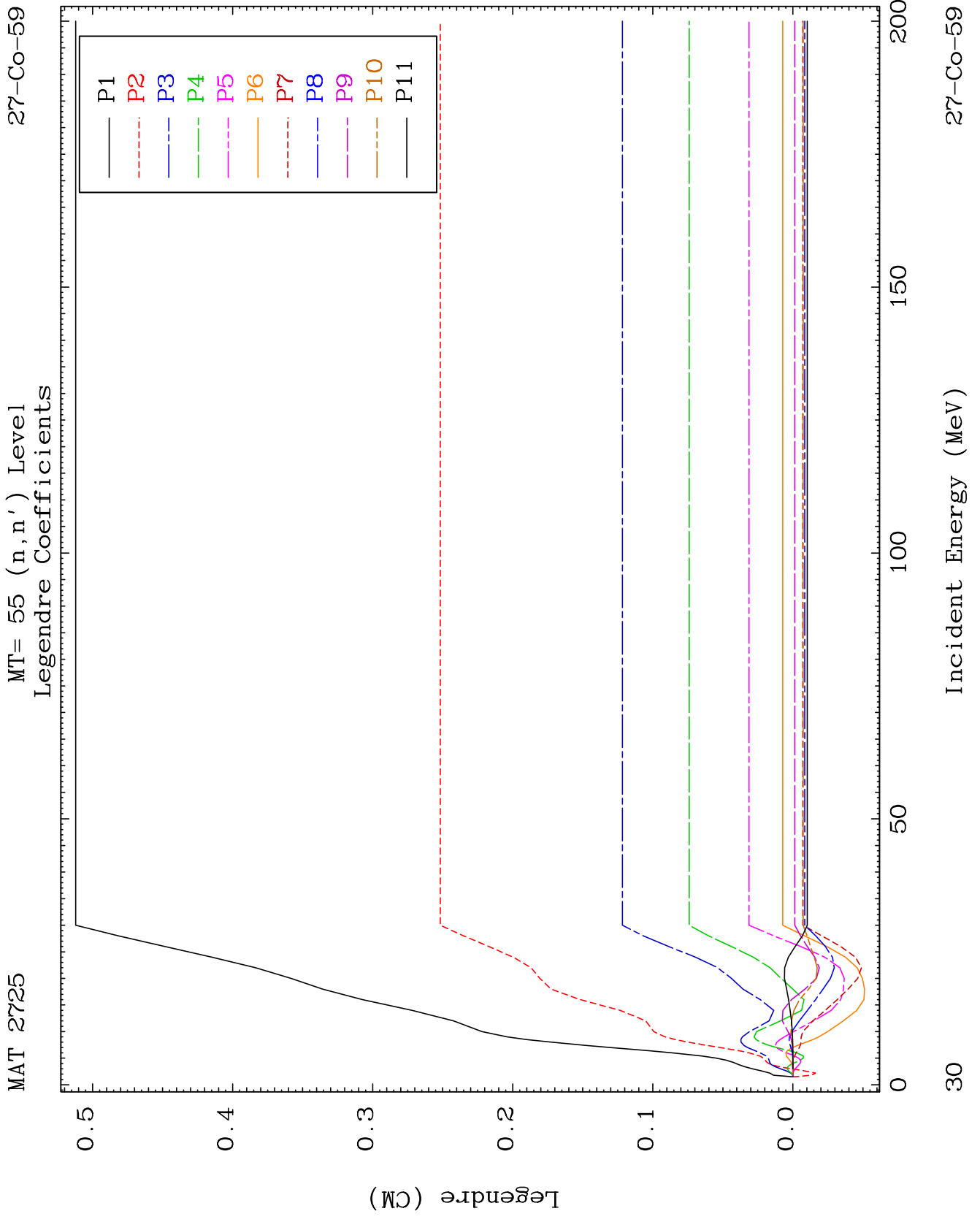
MT= 54 (n,n') Level
Legendre Coefficients

27-Co-59



29

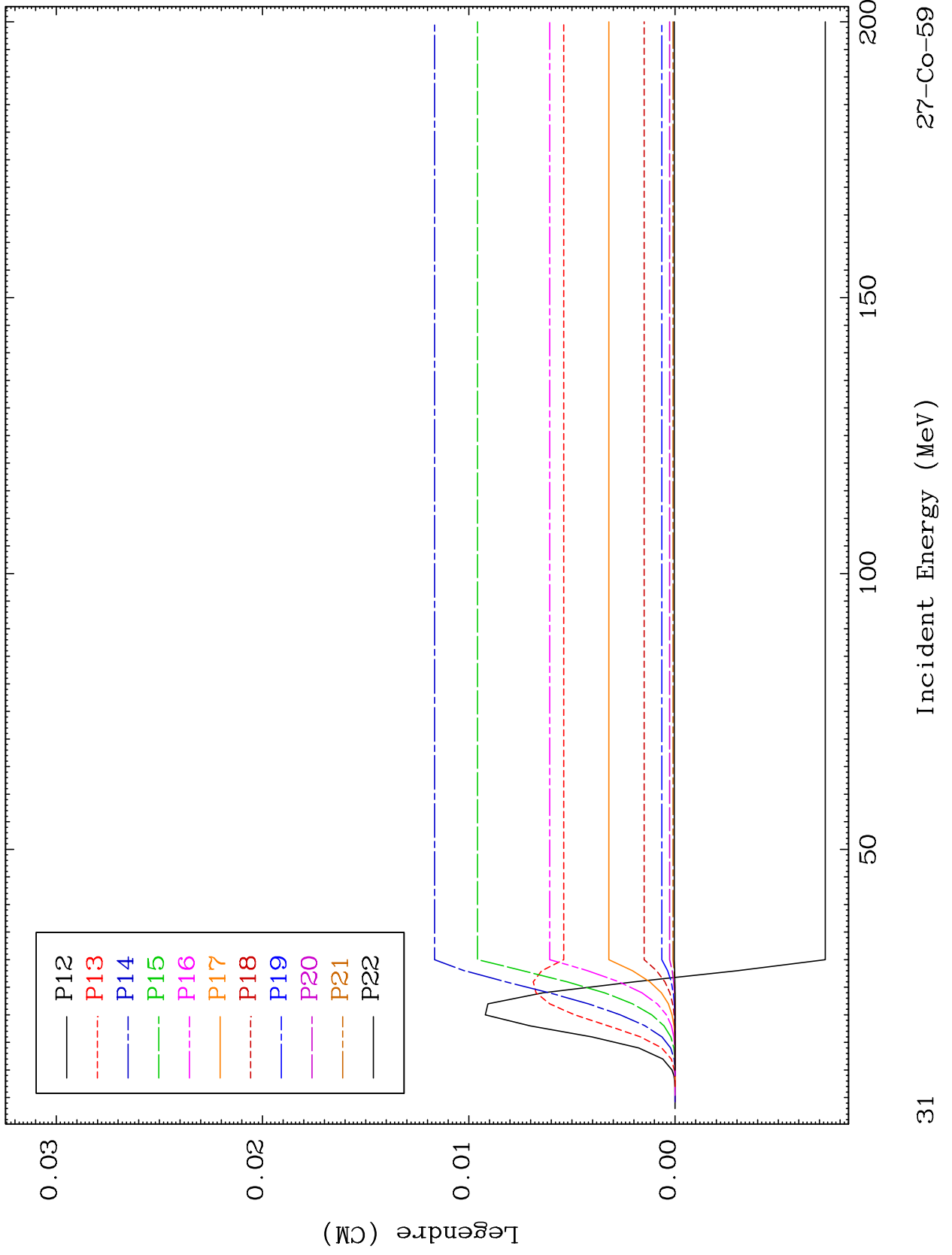
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MAT 2725

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

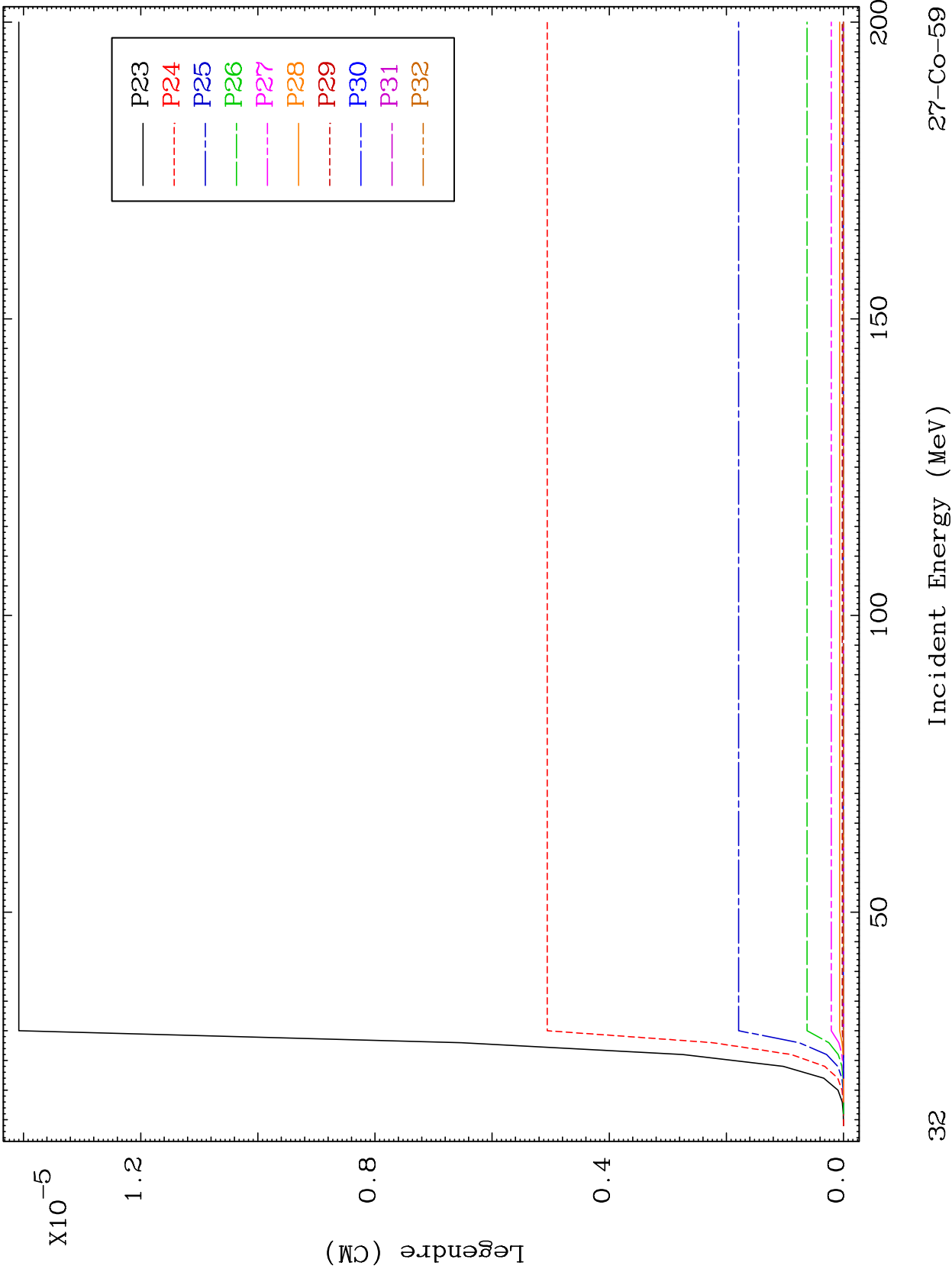
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MAT 2725

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

27-Co-59



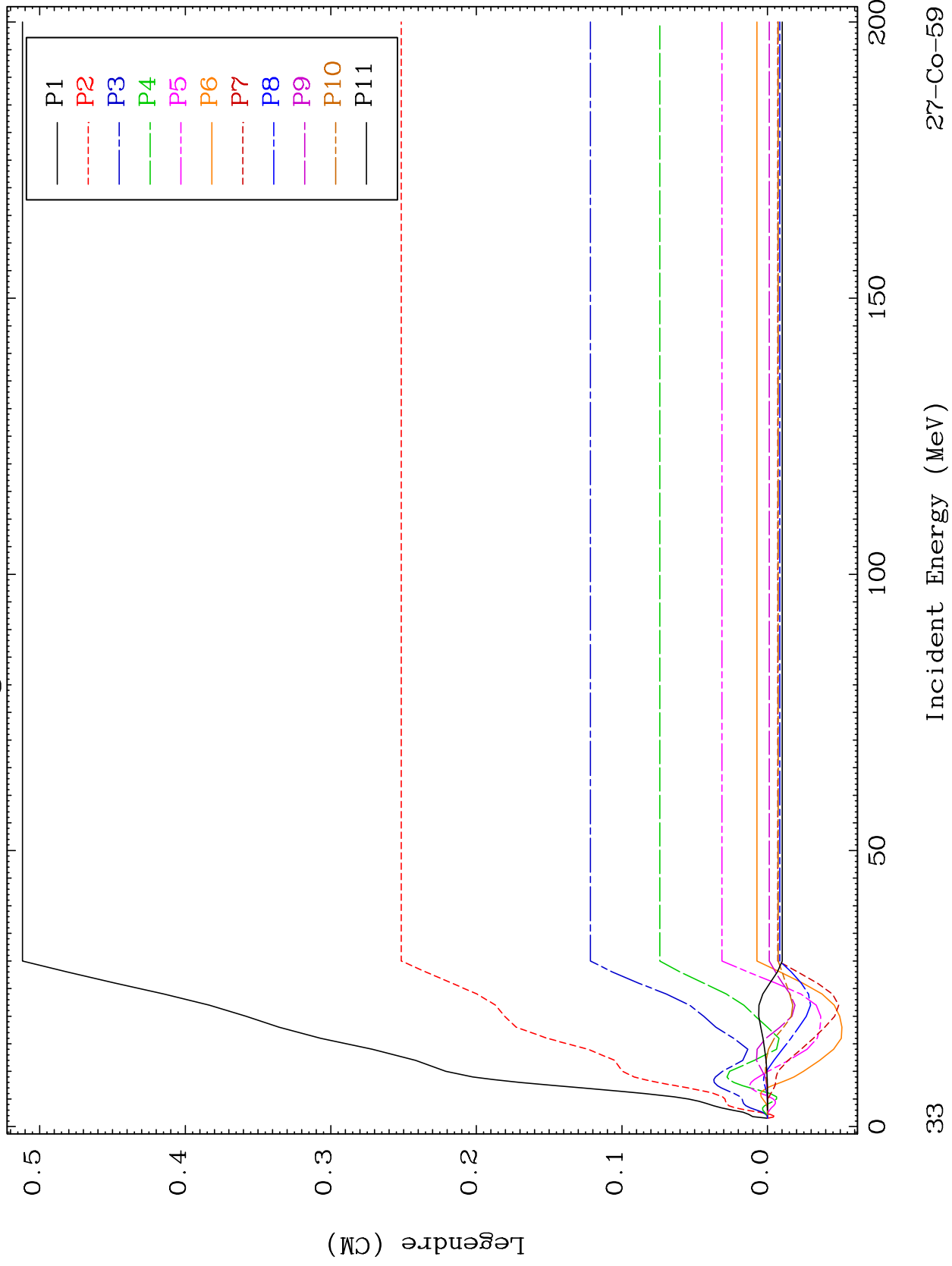
32

27-Co-59

MAT 2725

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

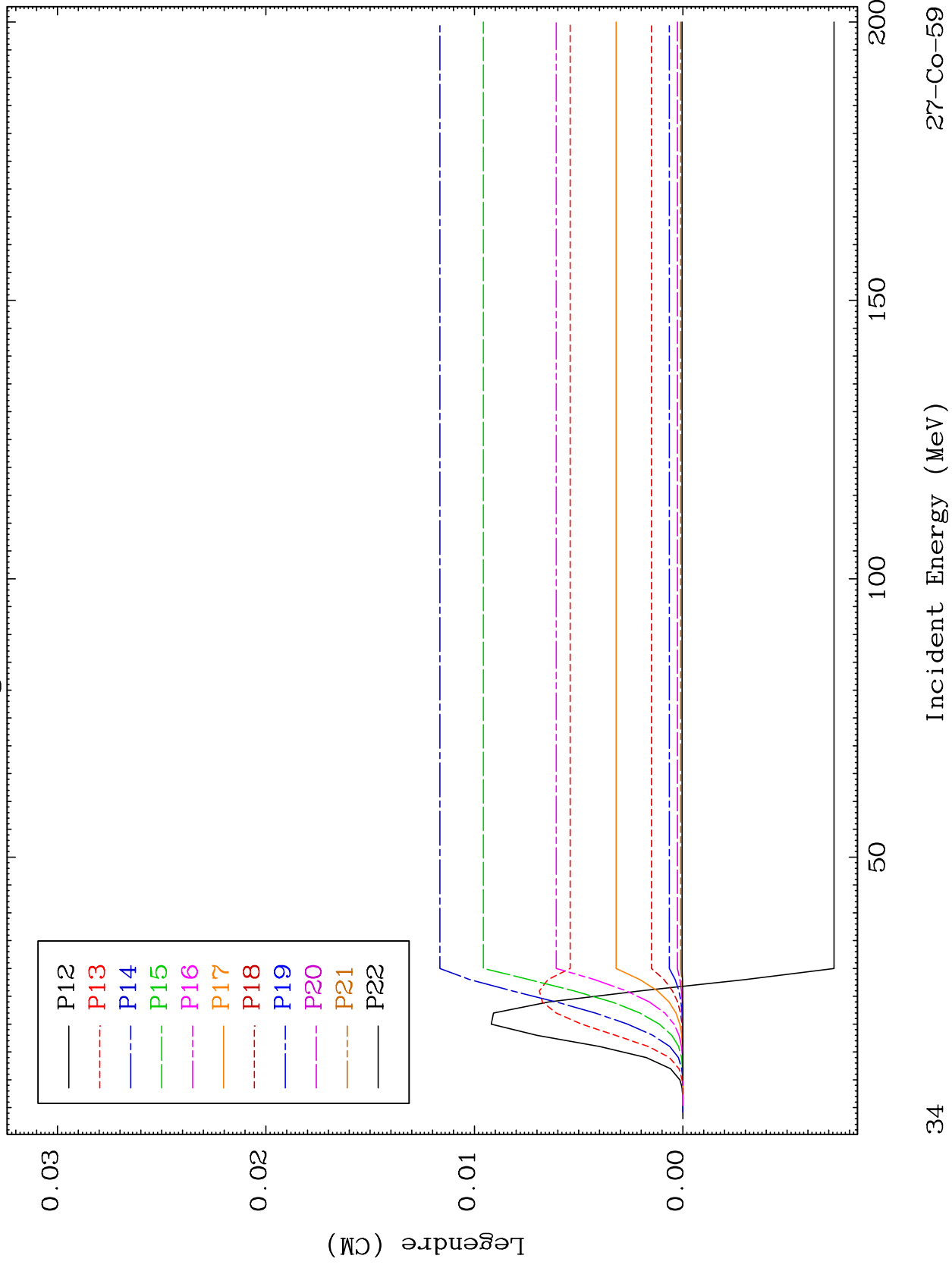
27-Co-59



27-Co-59

Incident Energy (MeV)

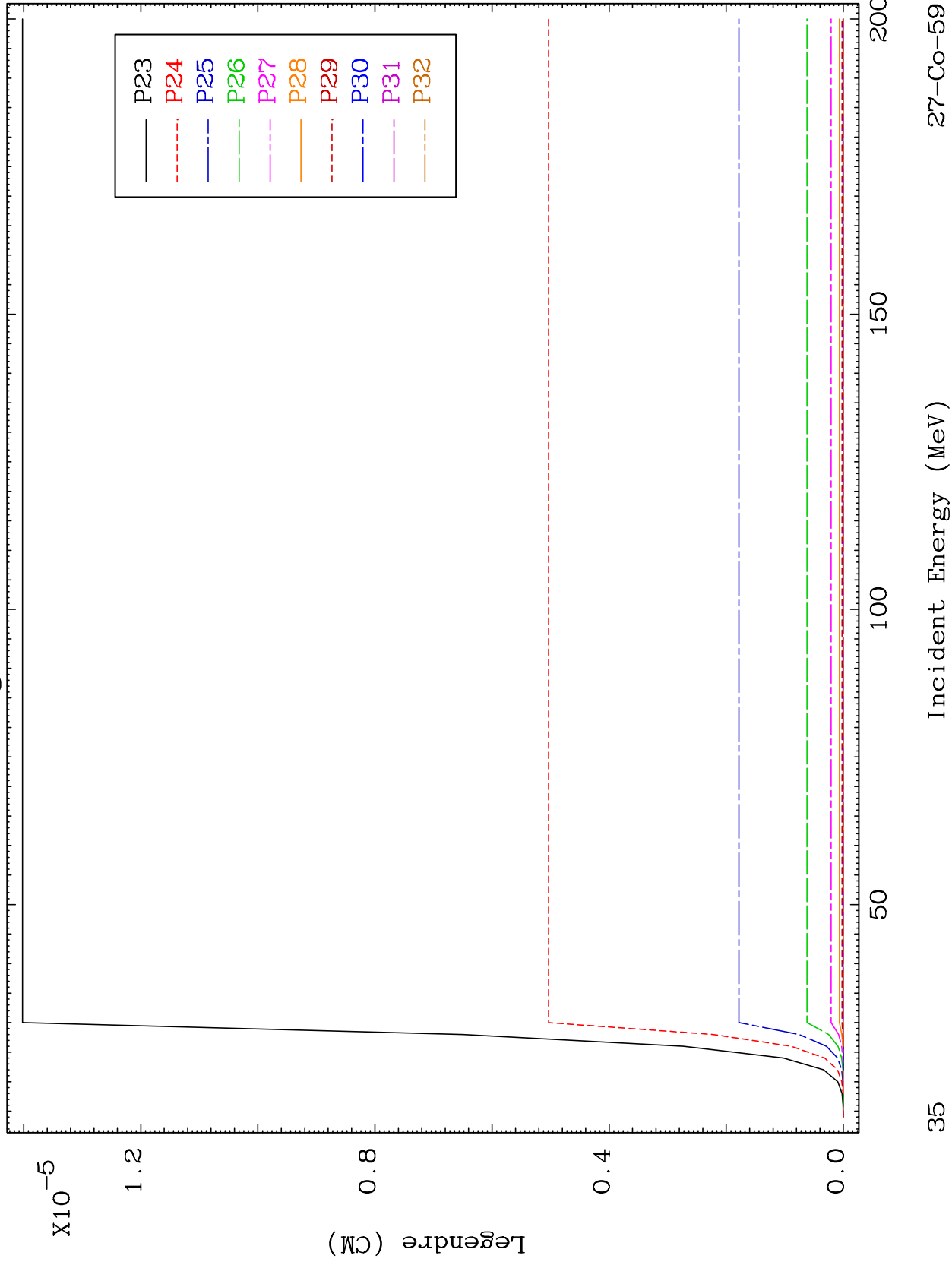
33



MAT 2725

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

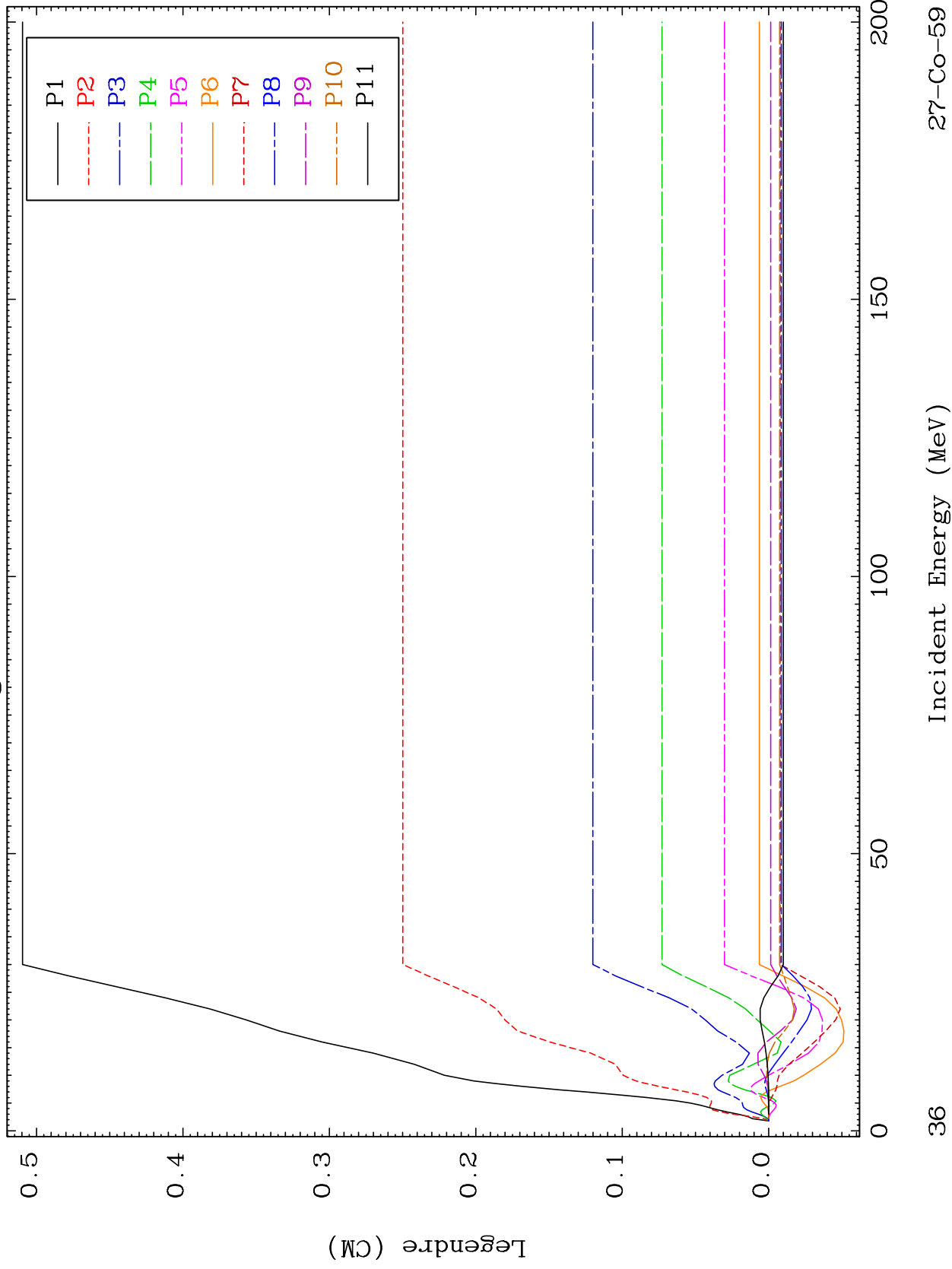
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MAT 2725

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

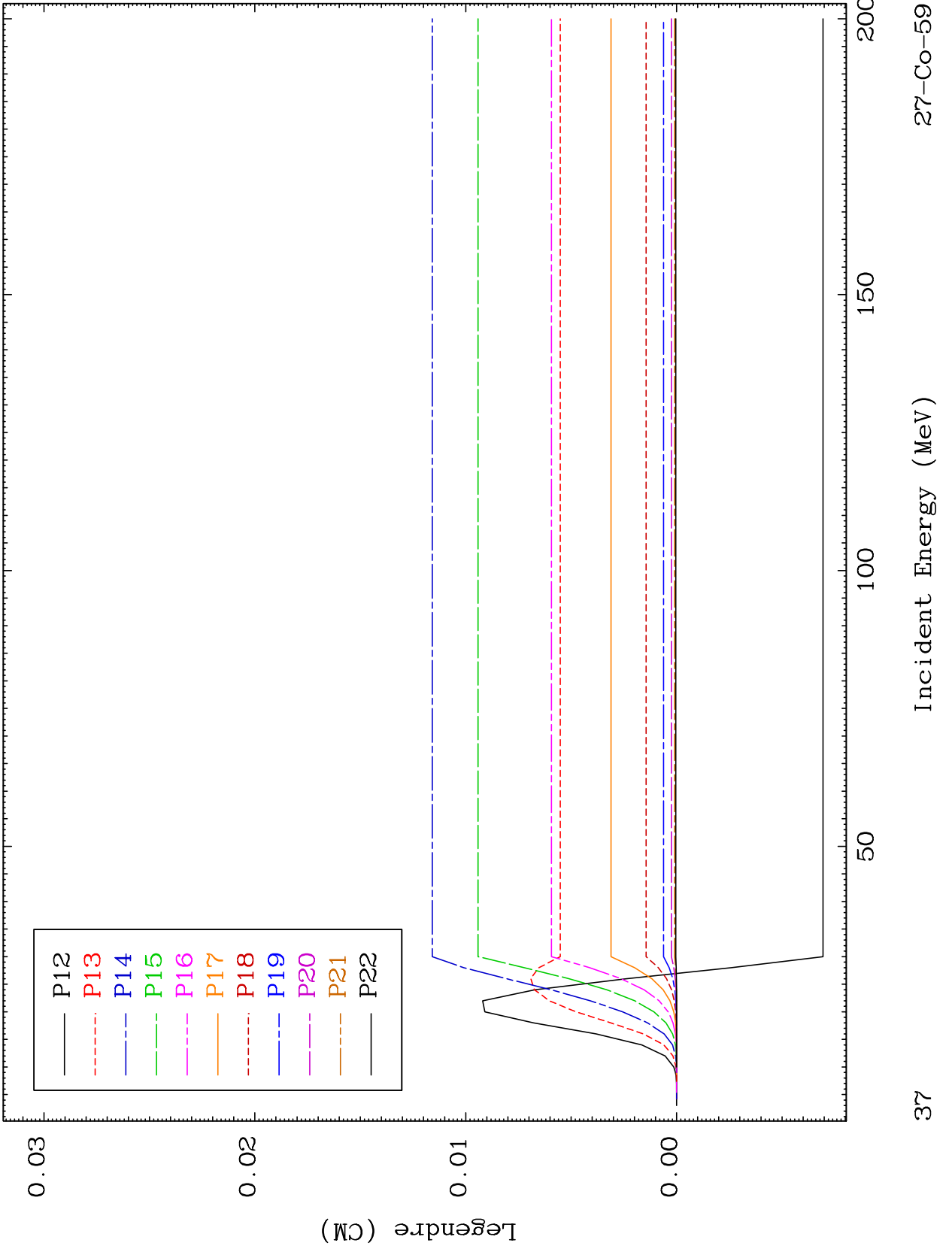
27-Co-59



MAT 2725

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

27-Co-59



37

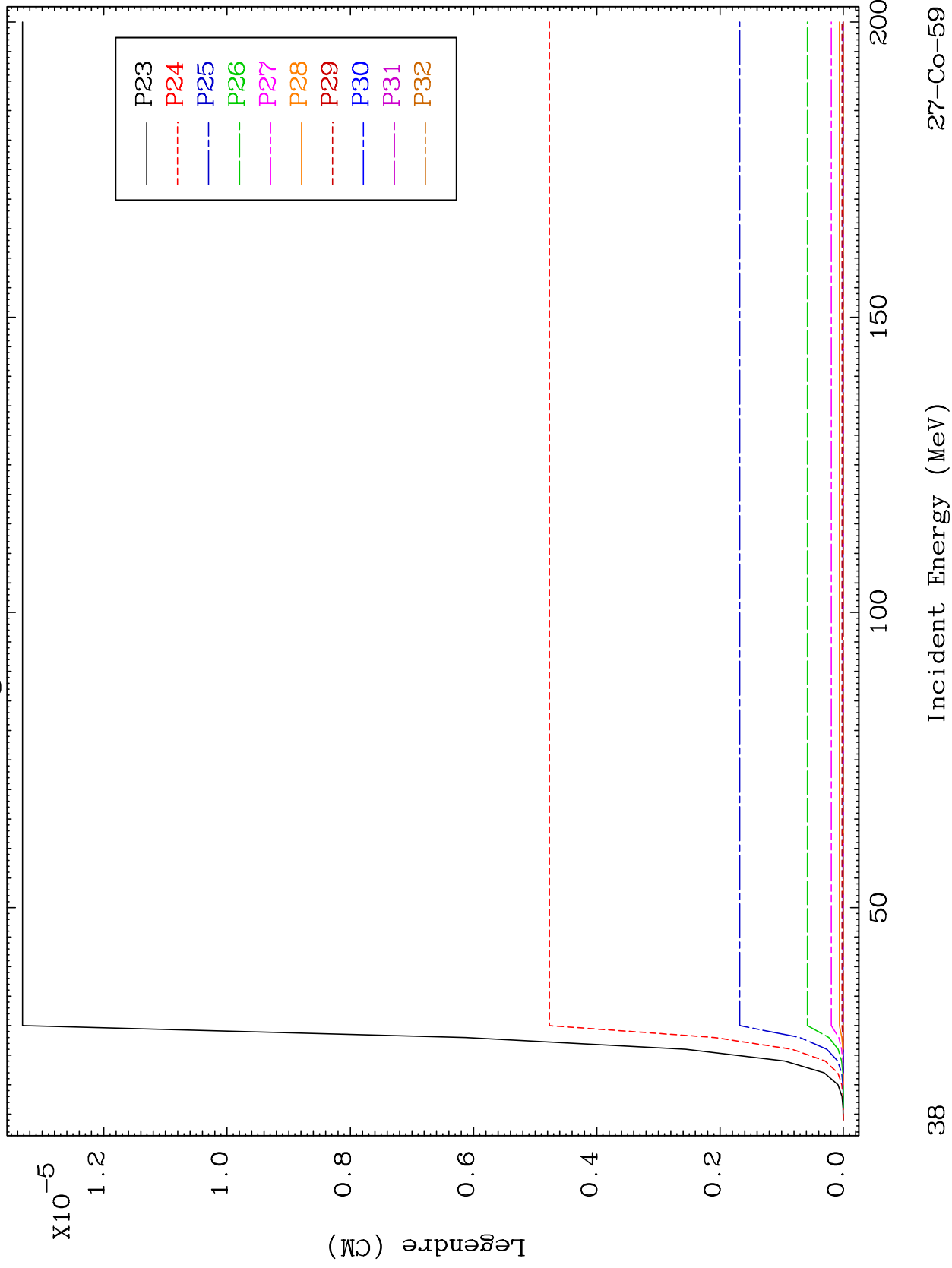
Incident Energy (MeV)

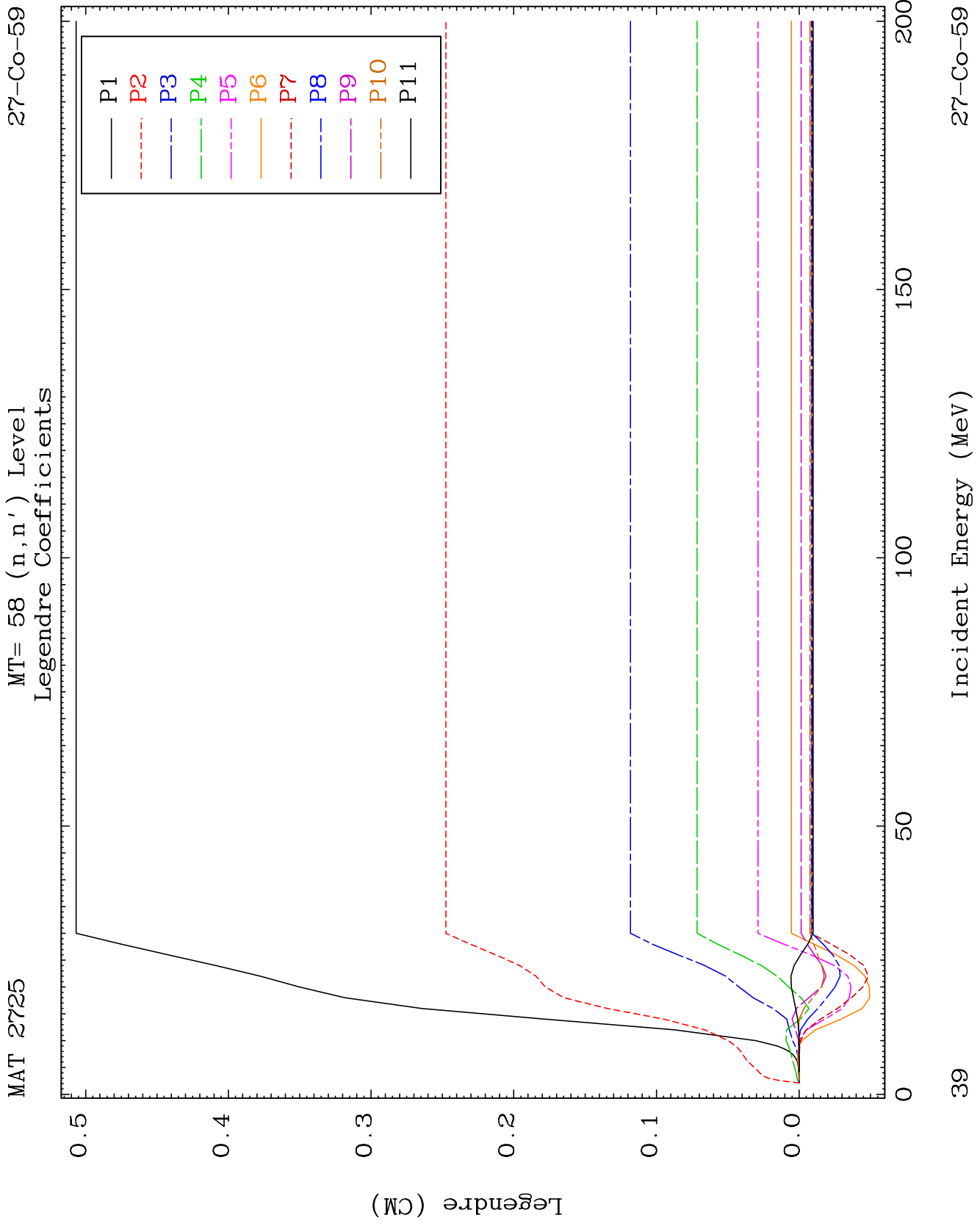
27-Co-59

MAT 2725

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

27-Co-59

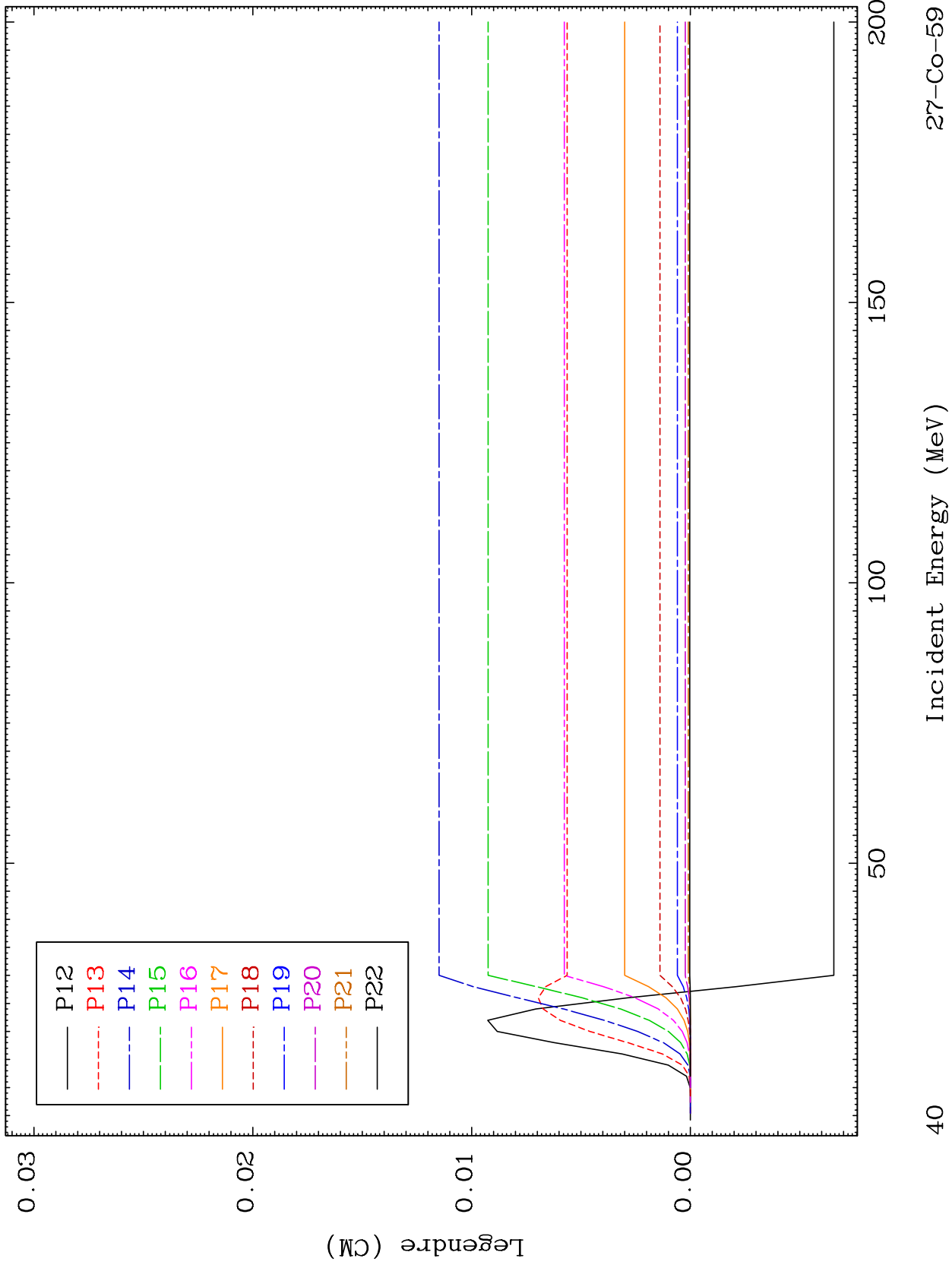




MAT 2725

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

27-Co-59



40

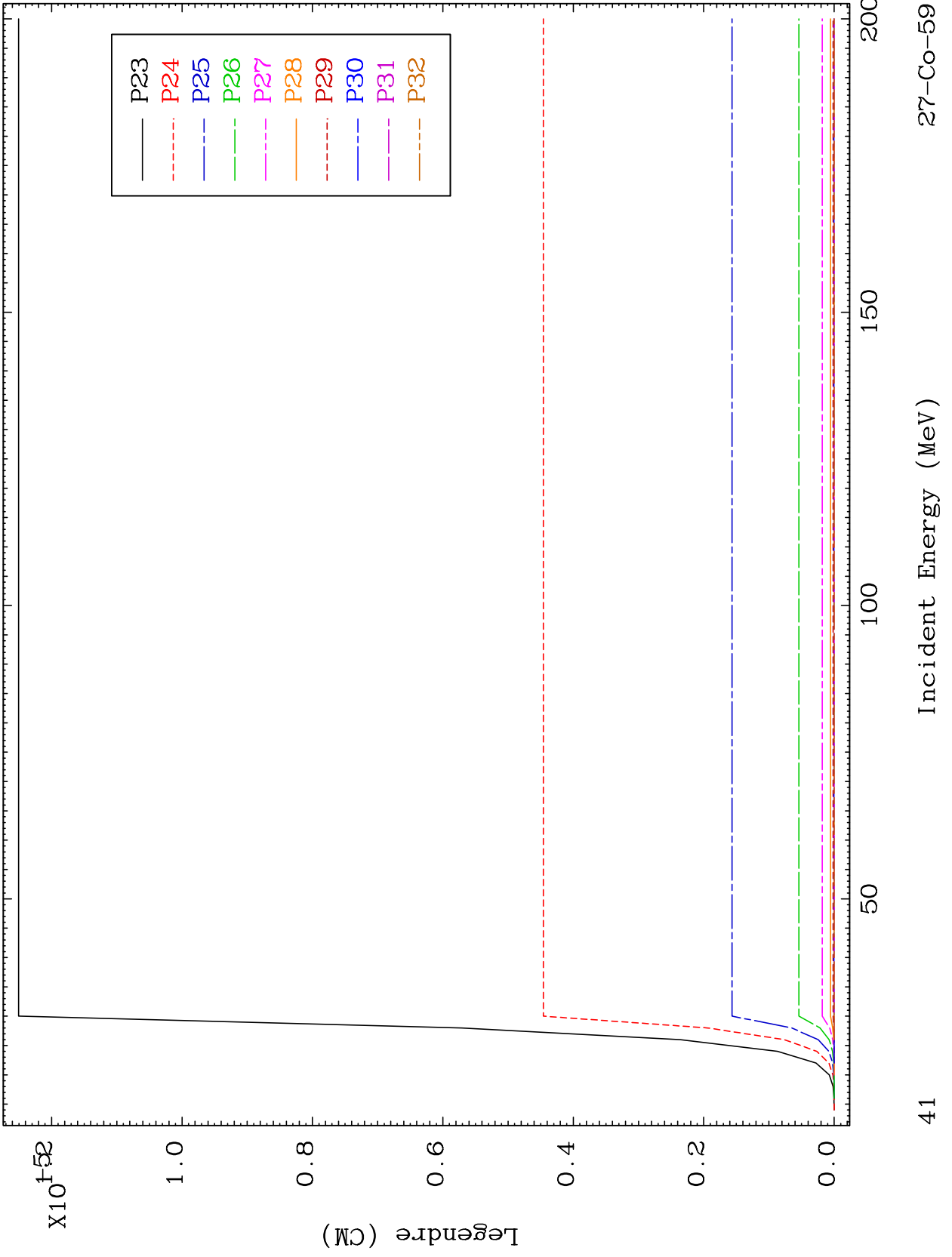
Incident Energy (MeV)

27-Co-59

MAT 2725

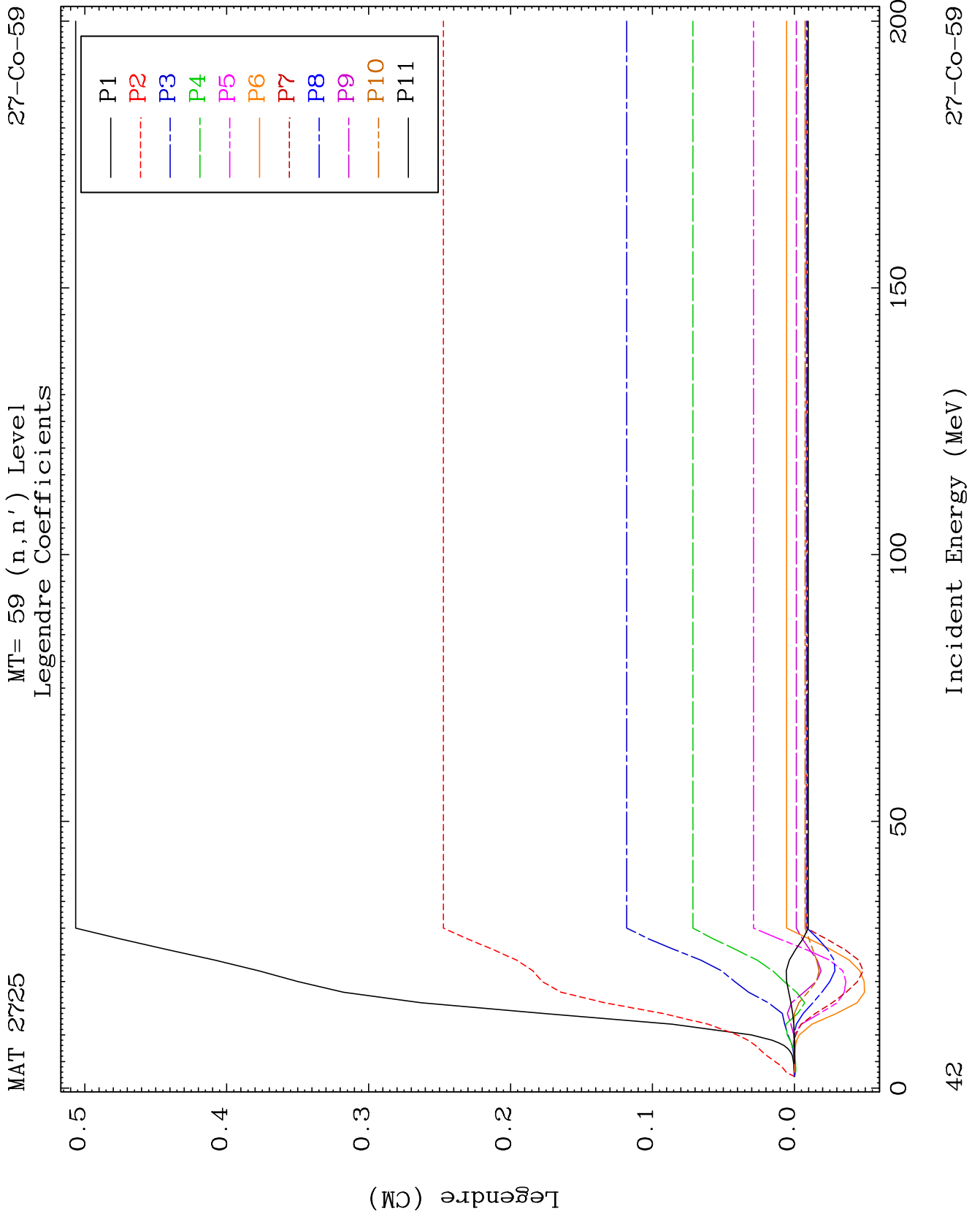
MT= 58 (n,n') Level
Legendre Coefficients

27-Co-59



41

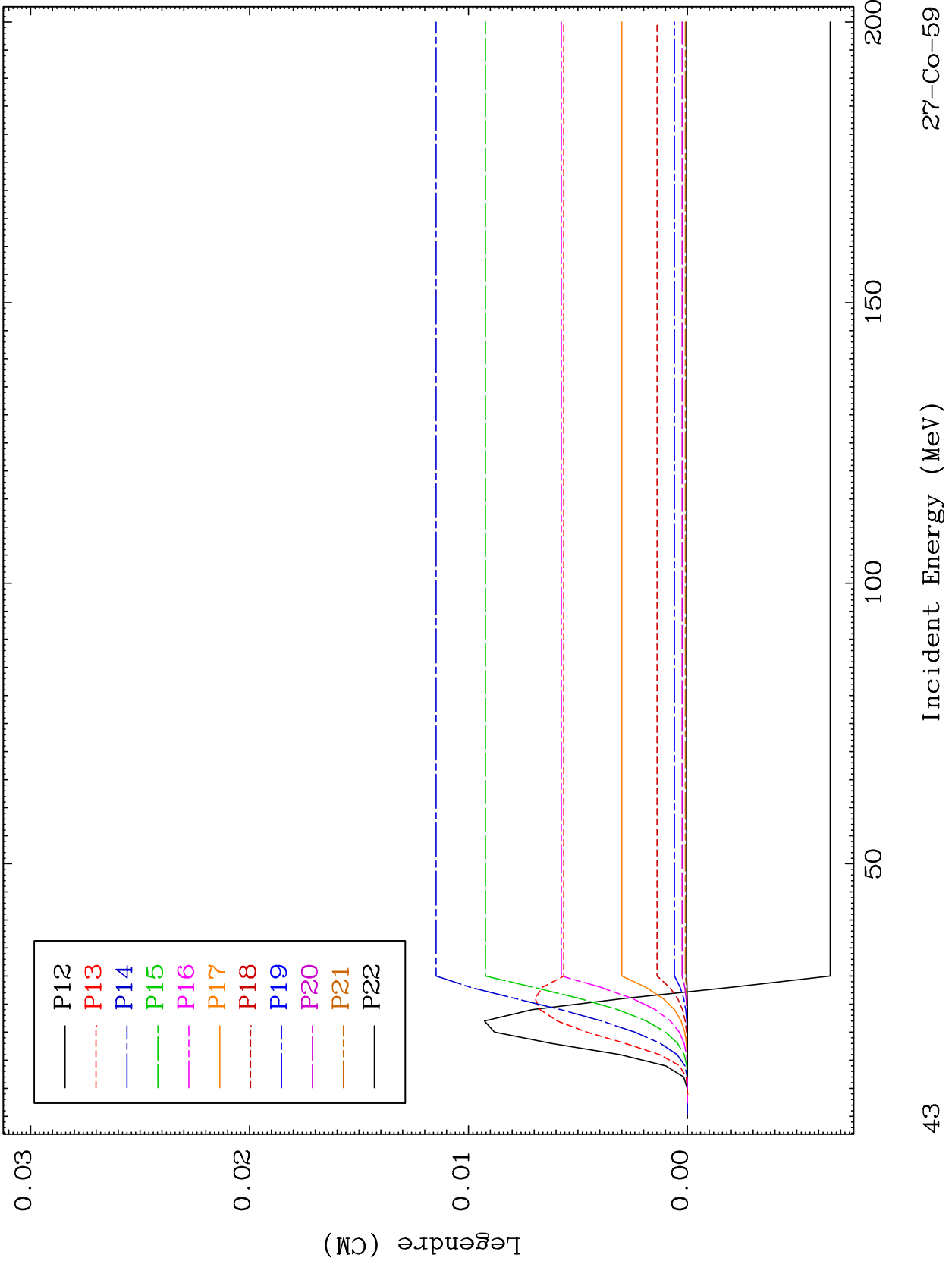
27-Co-59



MAT 2725

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

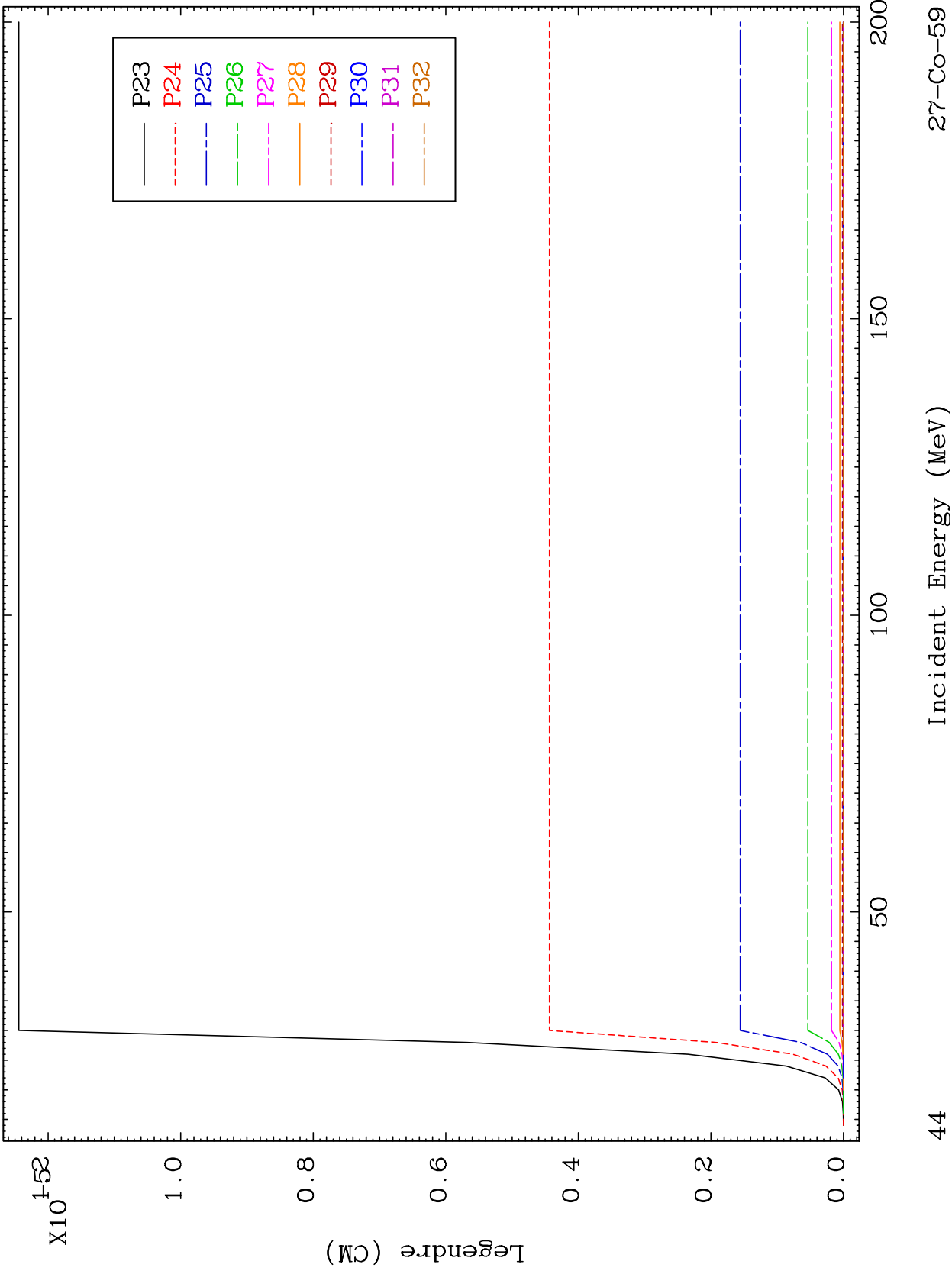
27-Co-59



MAT 2725

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

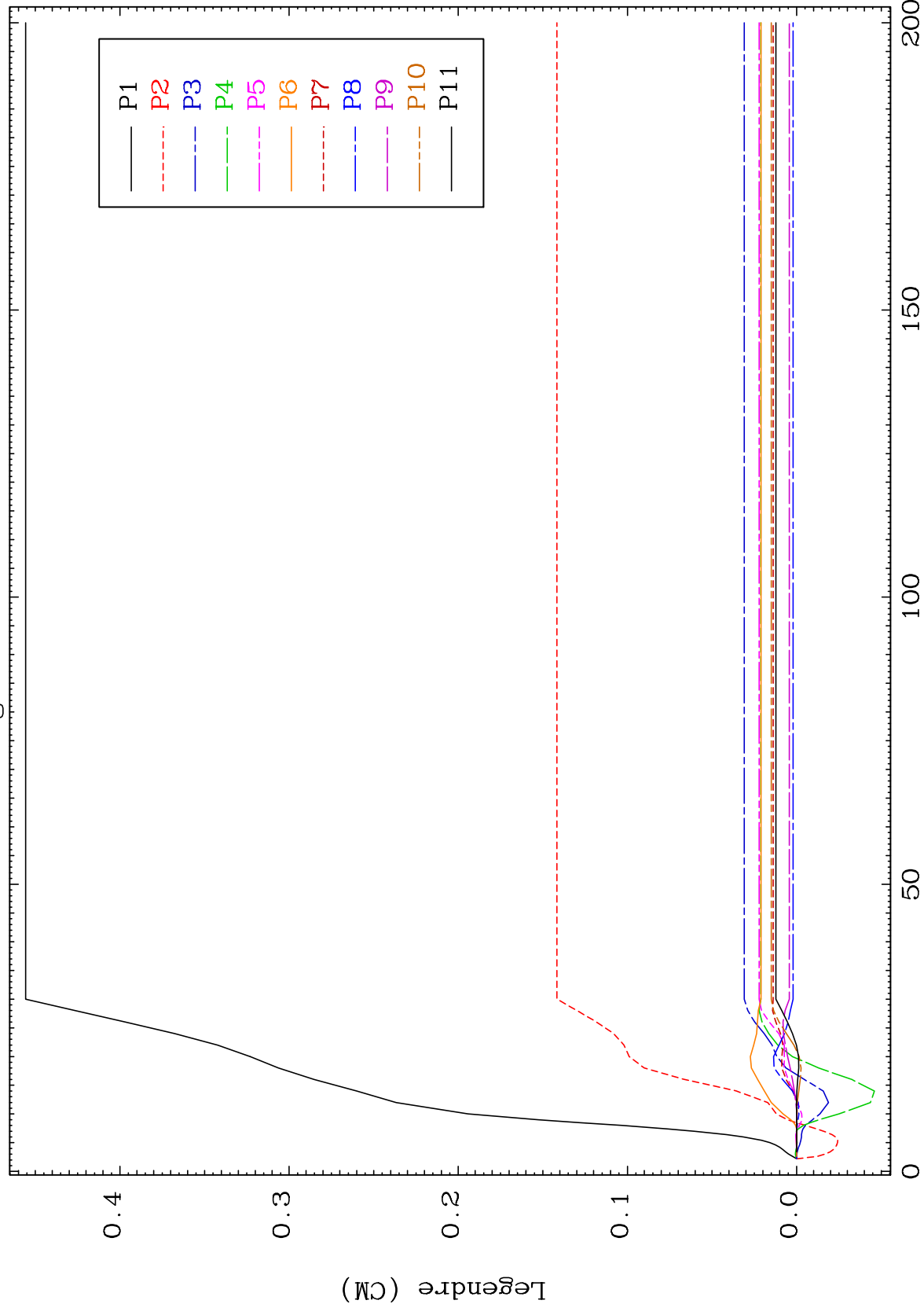
27-Co-59



MAT 2725

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

27-Co-59



27-Co-59

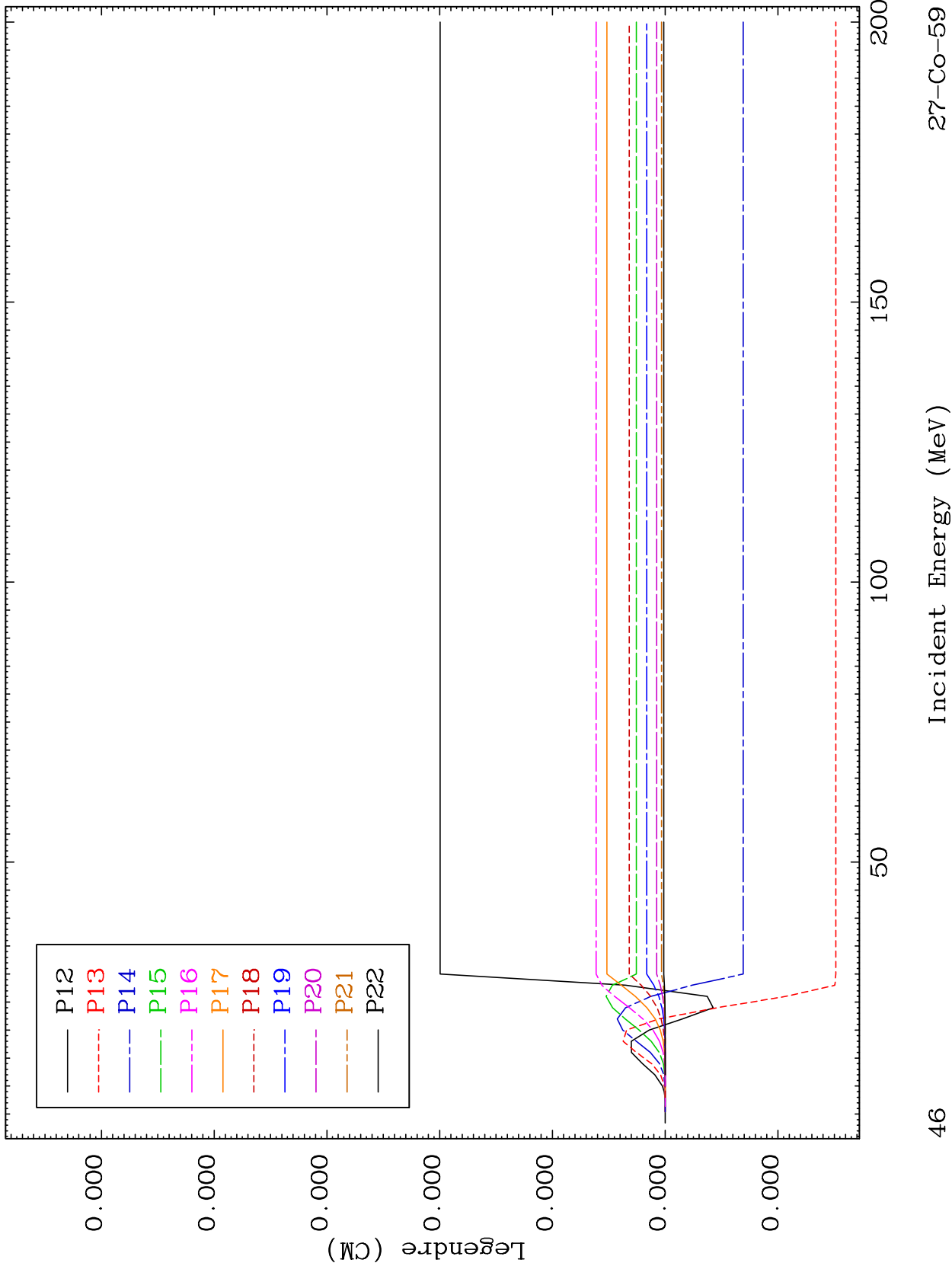
Incident Energy (MeV)

45

MAT 2725

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

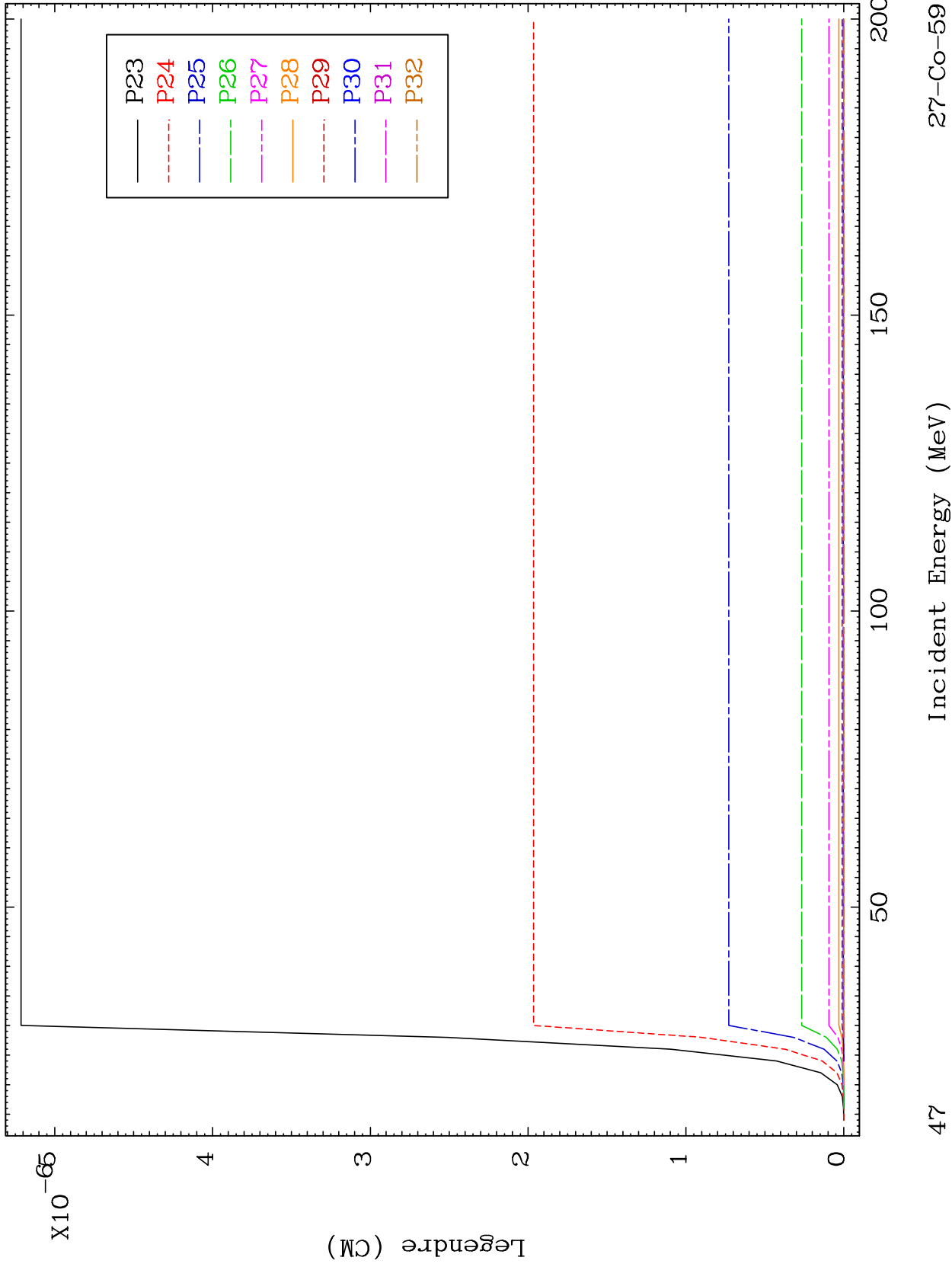
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MAT 2725

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

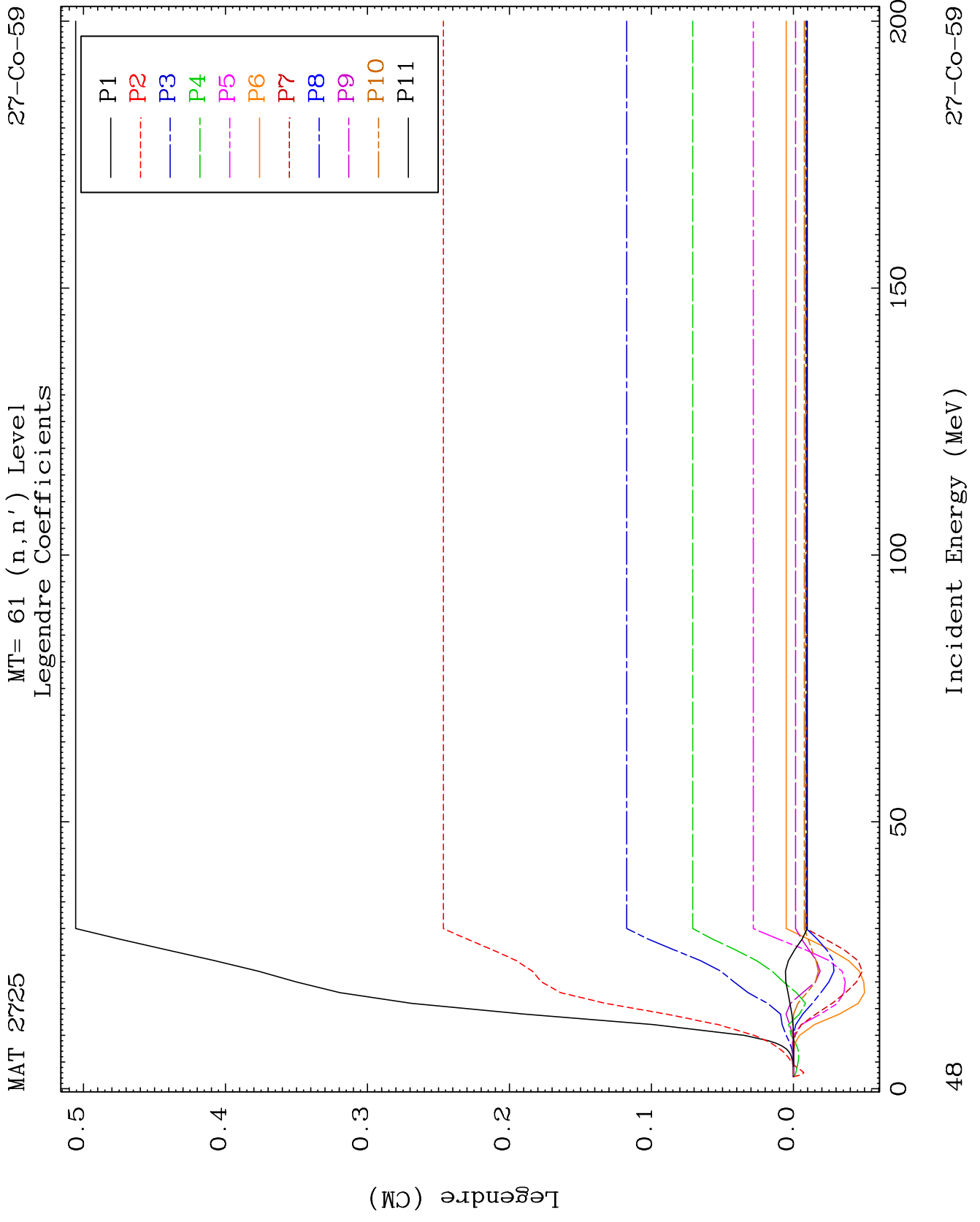
27-Co-59



47

Incident Energy (MeV)

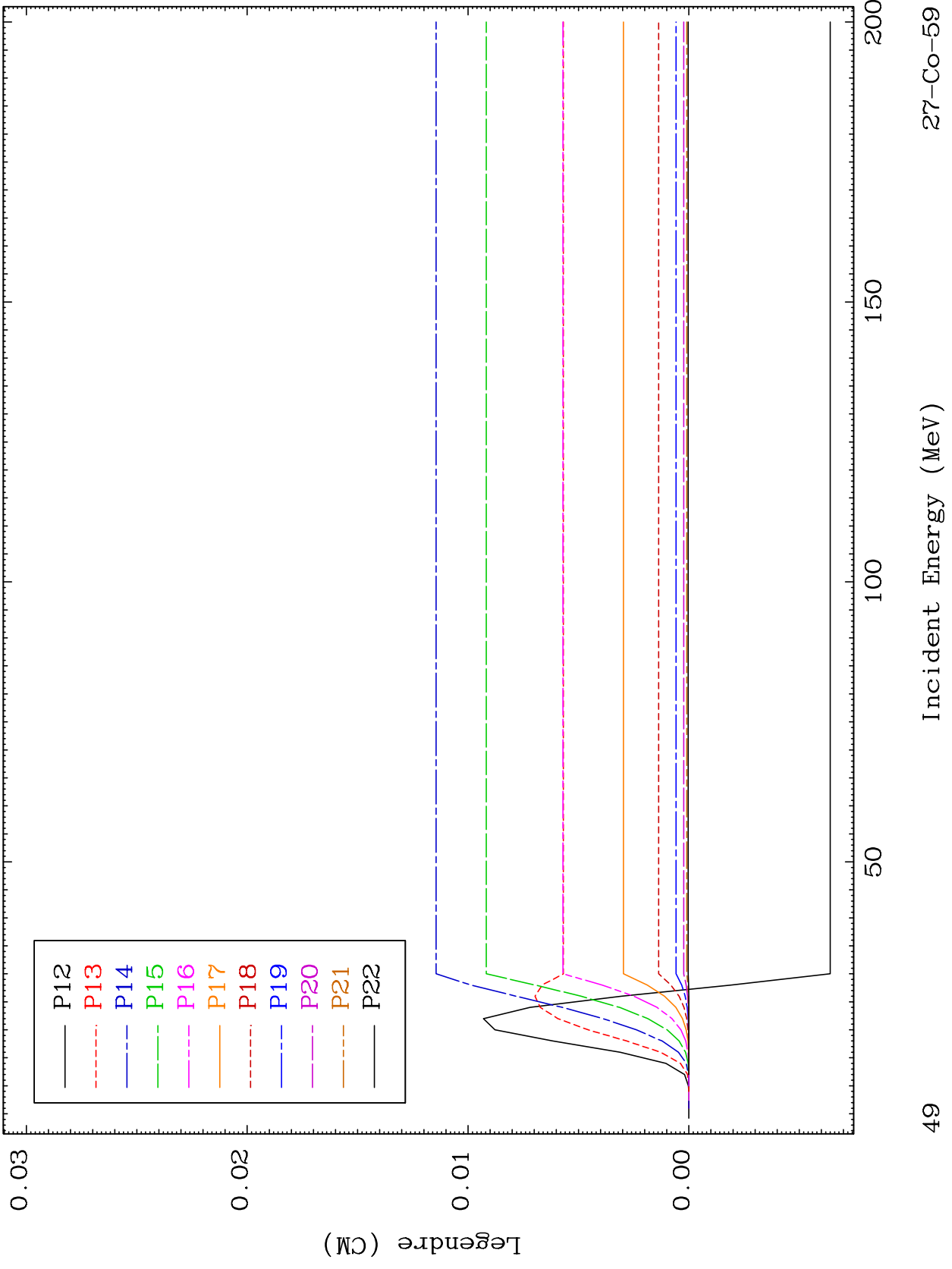
27-Co-59



MAT 2725

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

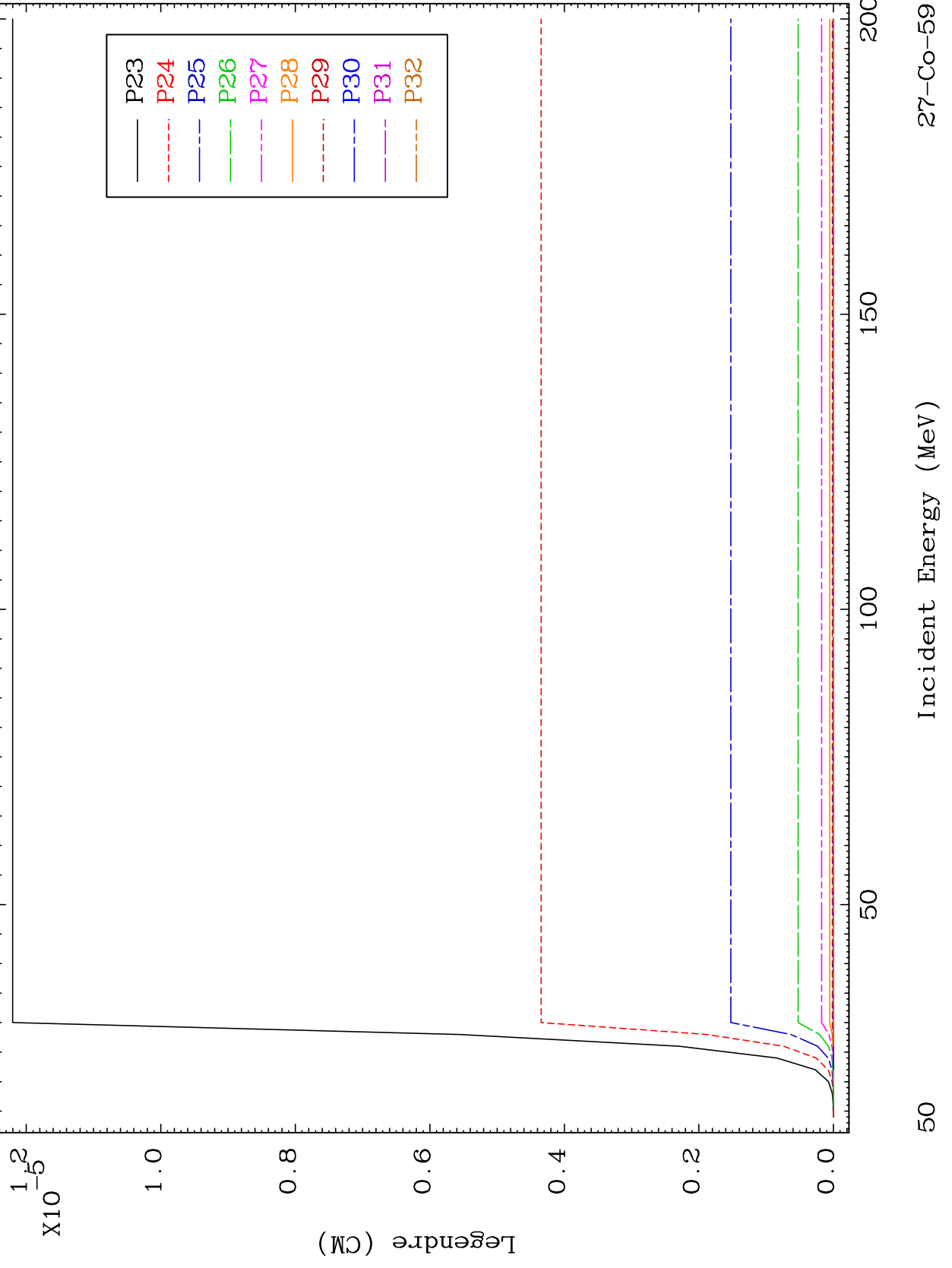
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MAT 2725

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

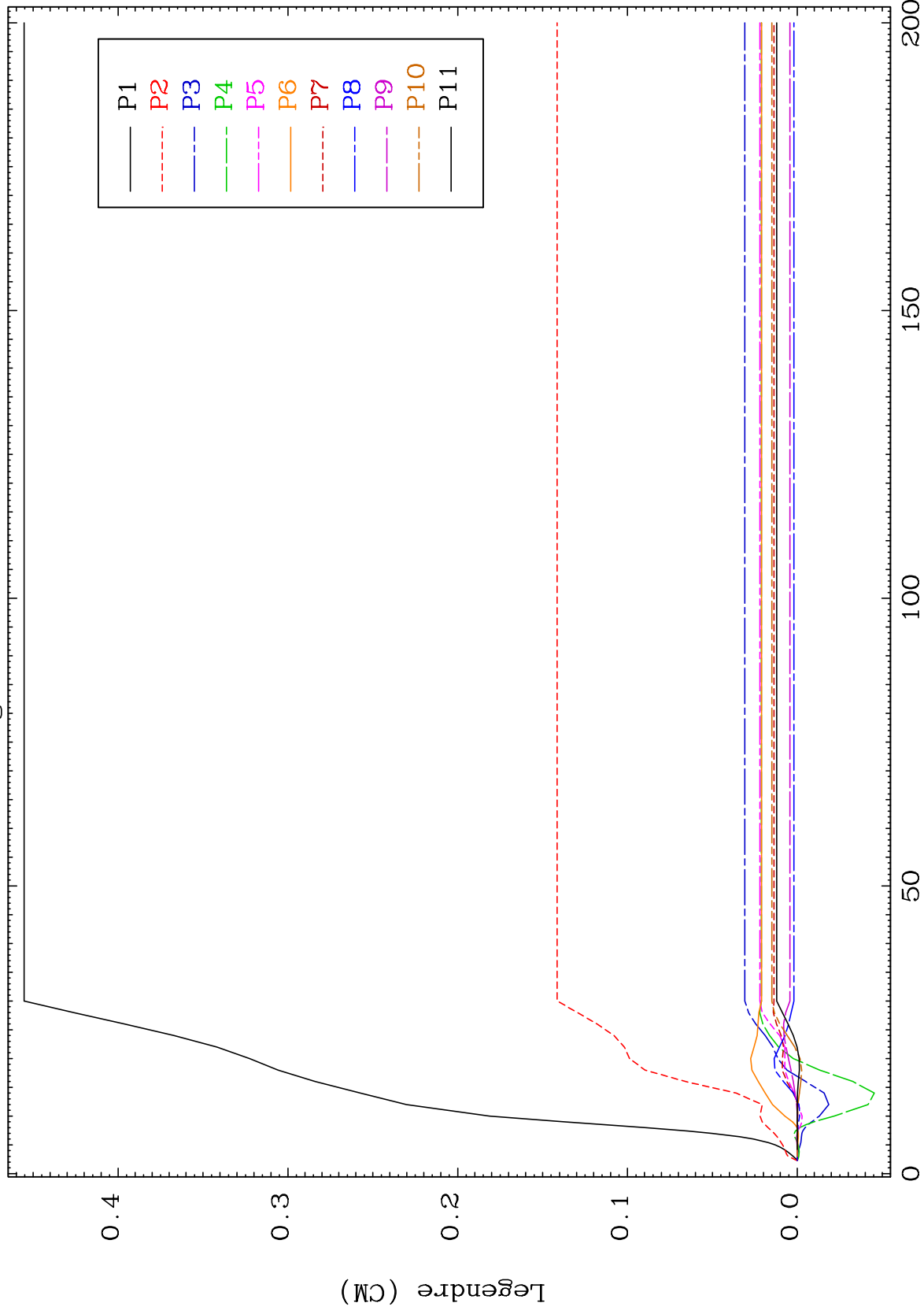
27-Co-59



MAT 2725

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

27-Co-59



51

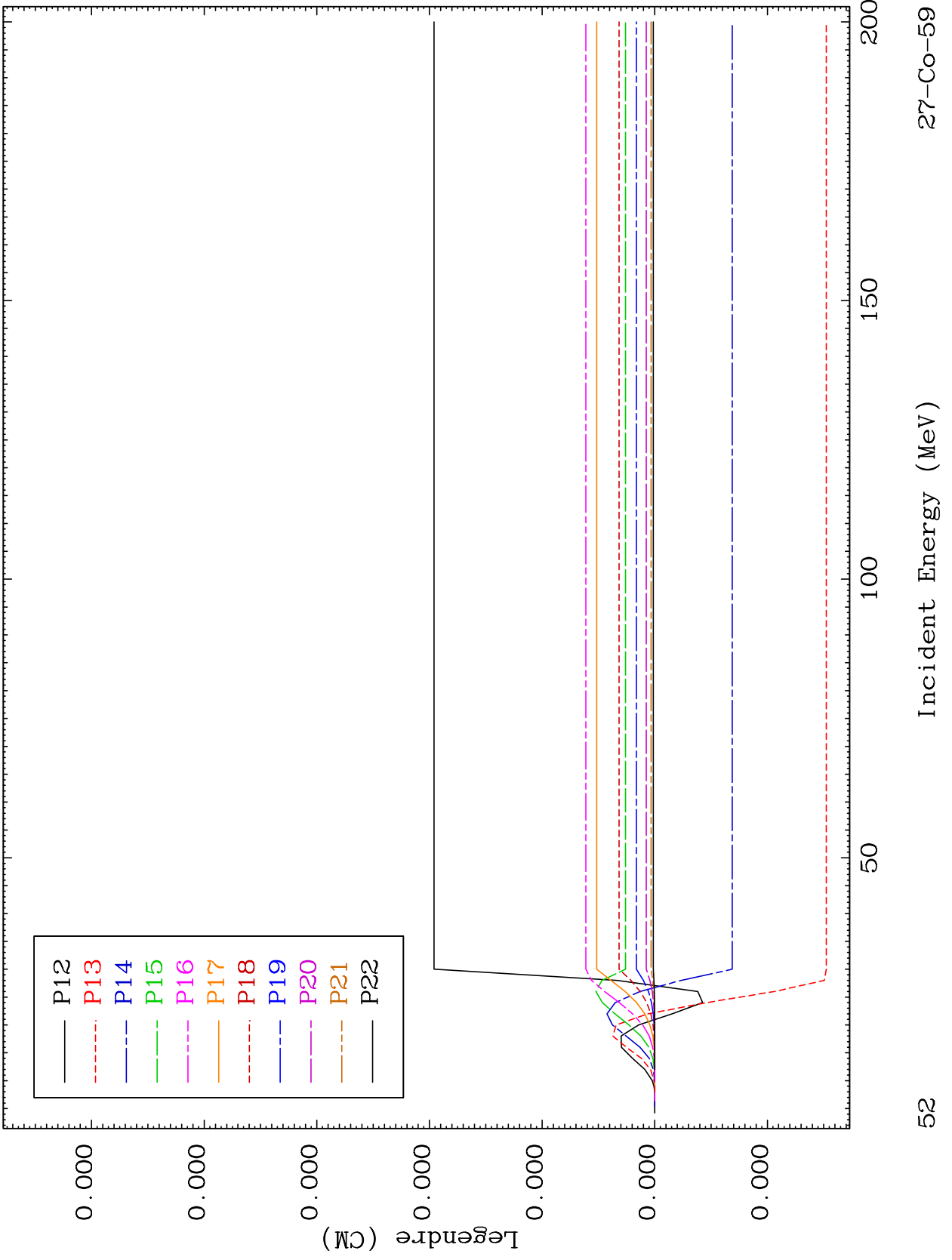
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



52

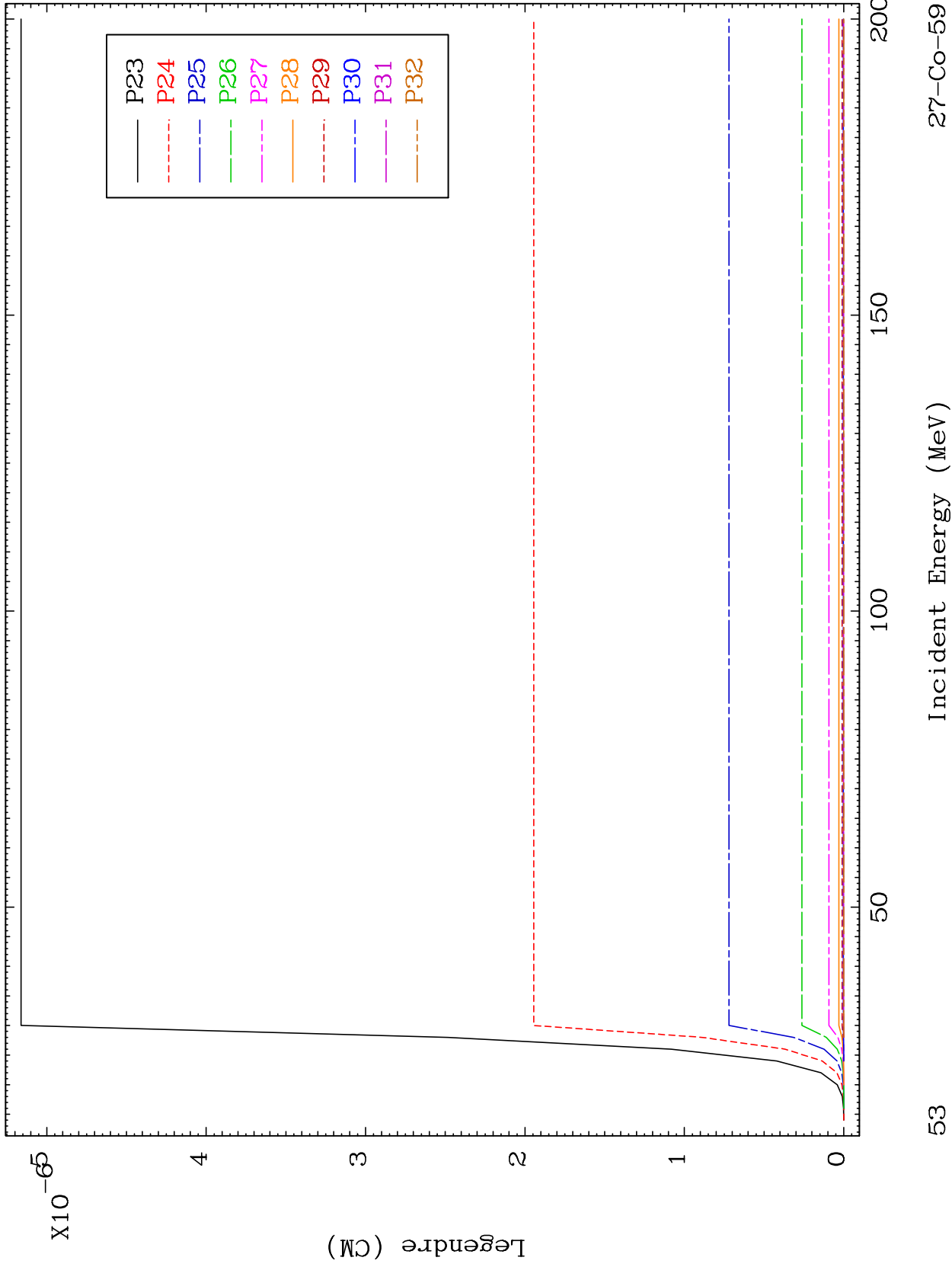
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



53

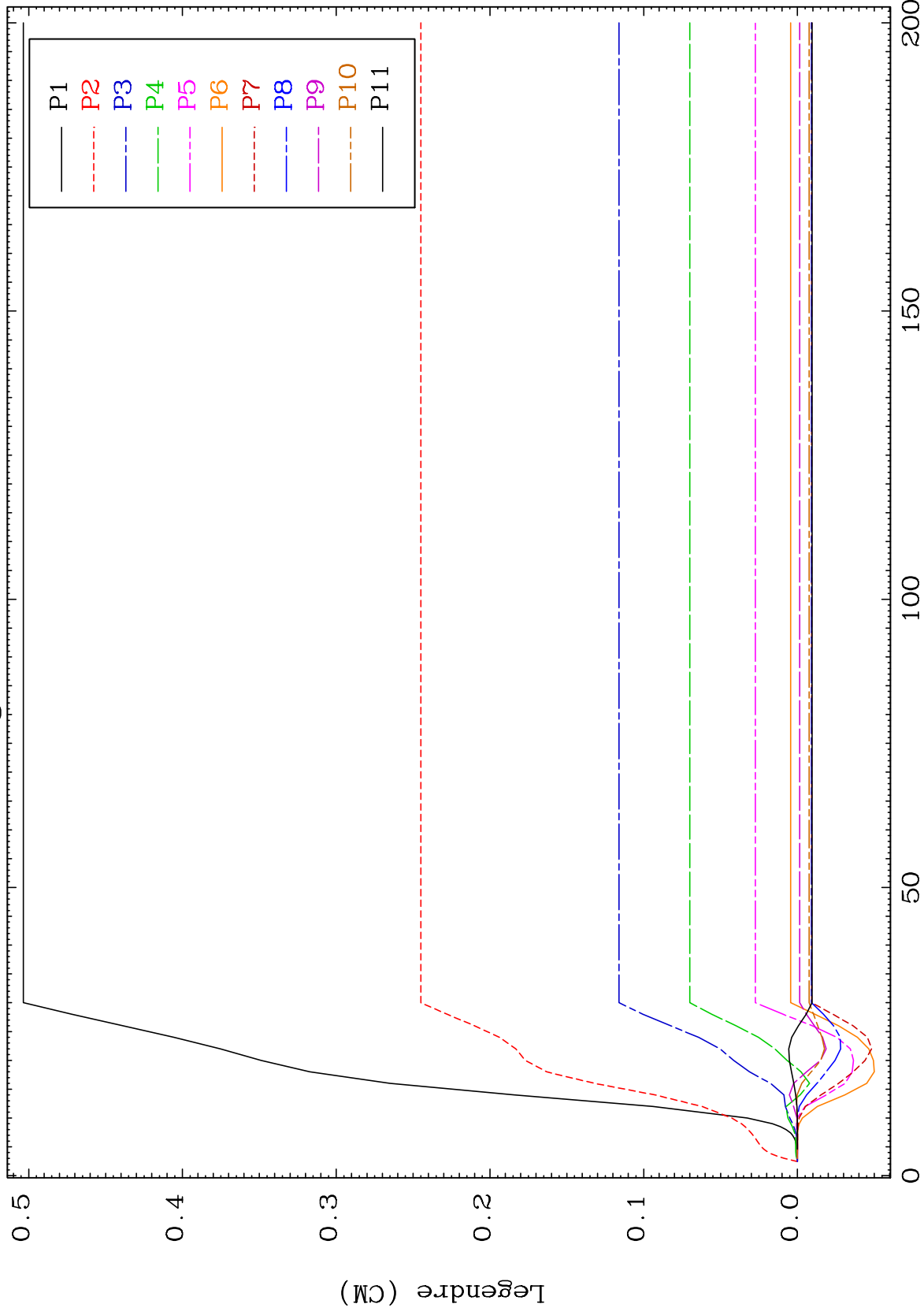
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



54

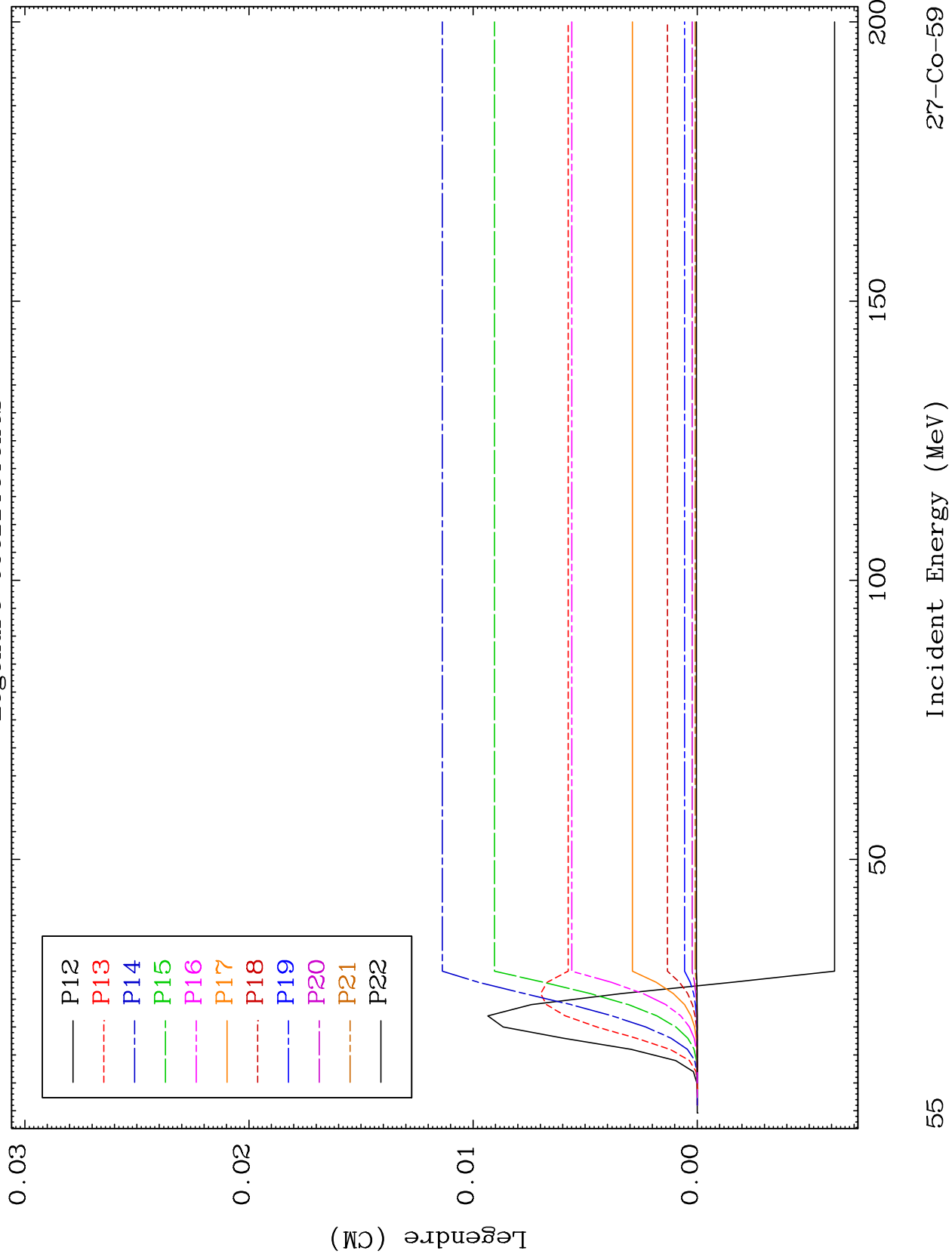
Incident Energy (MeV)

27-Co-59

MAT 2725

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

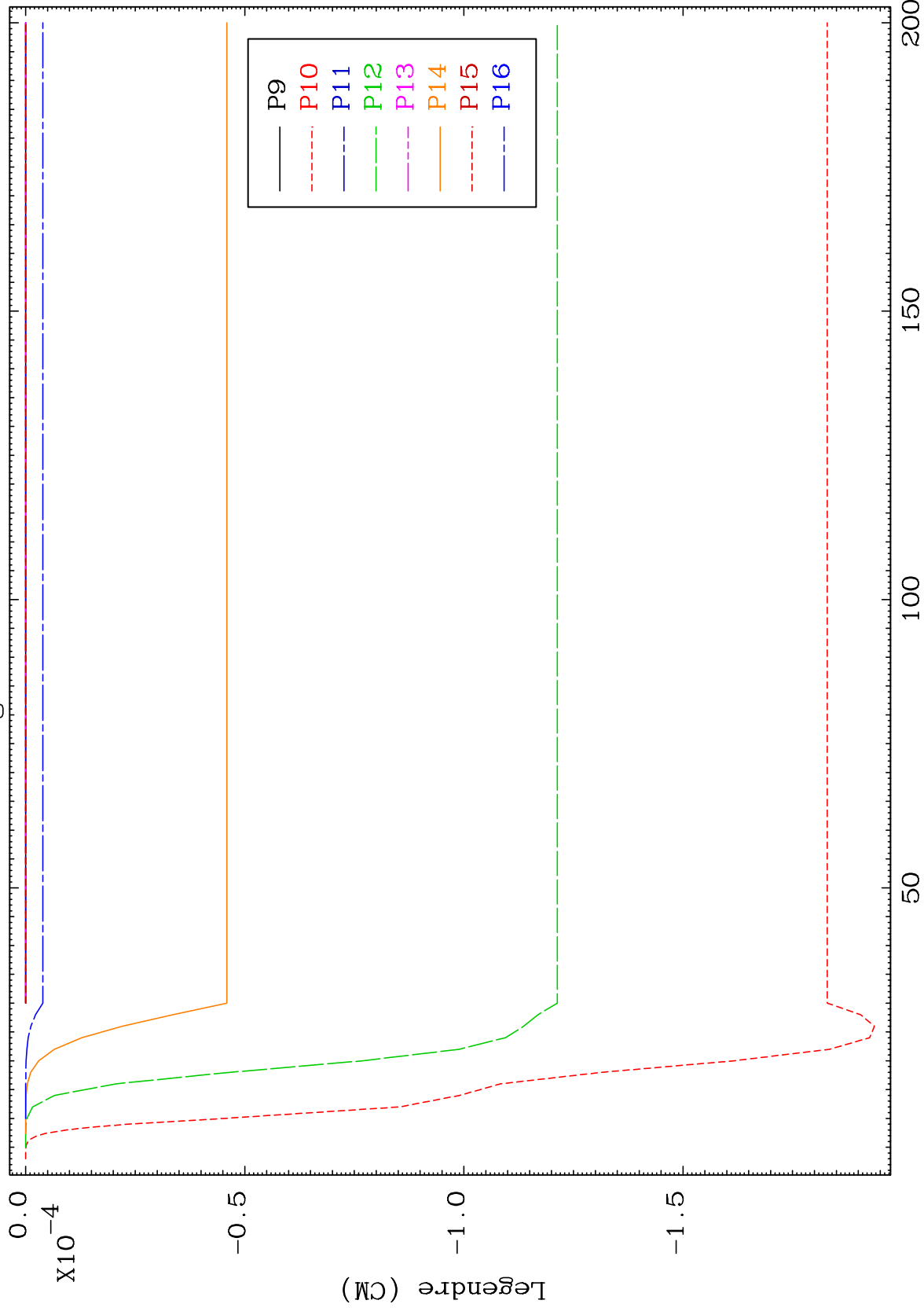
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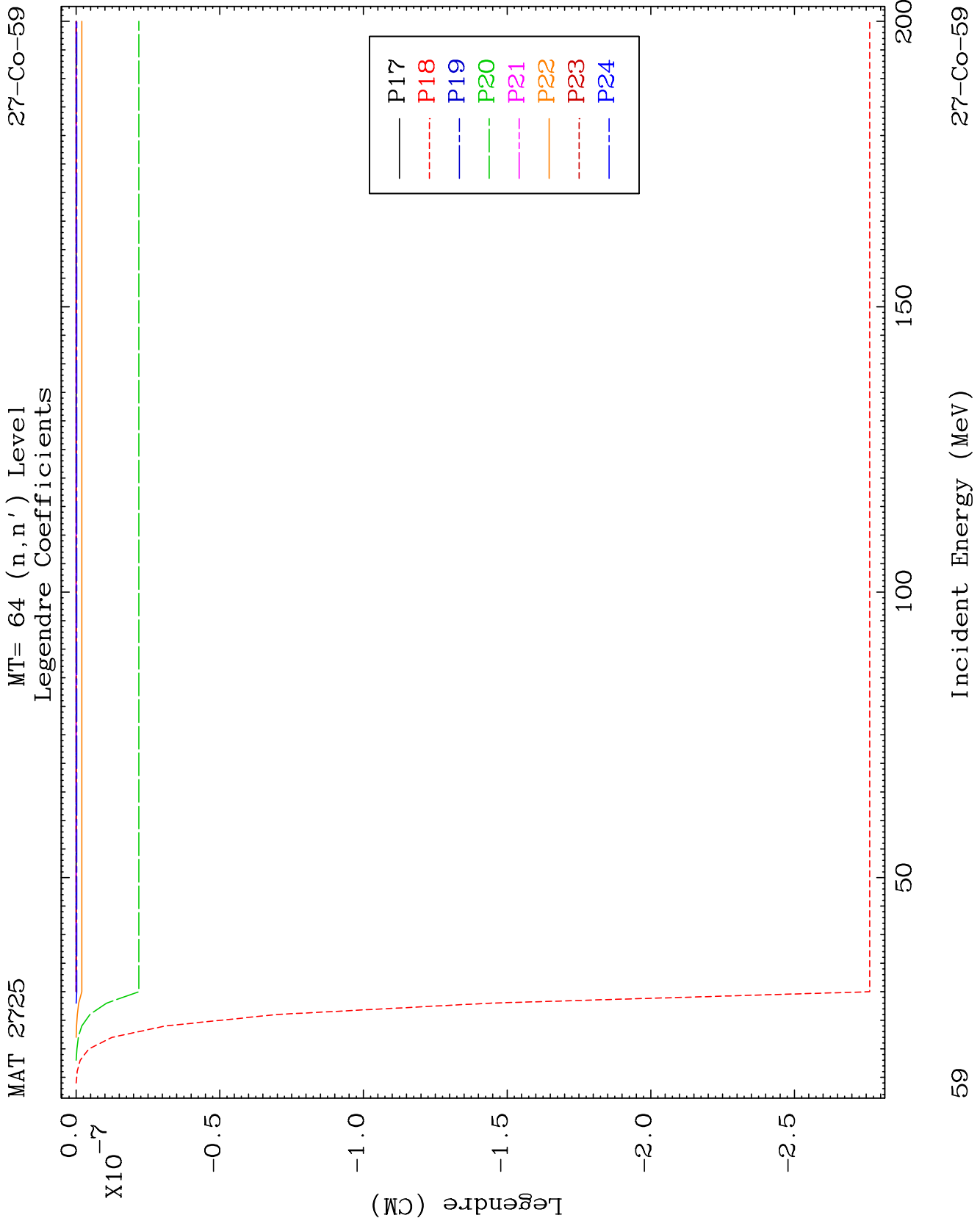


55

Incident Energy (MeV)

27-Co-59

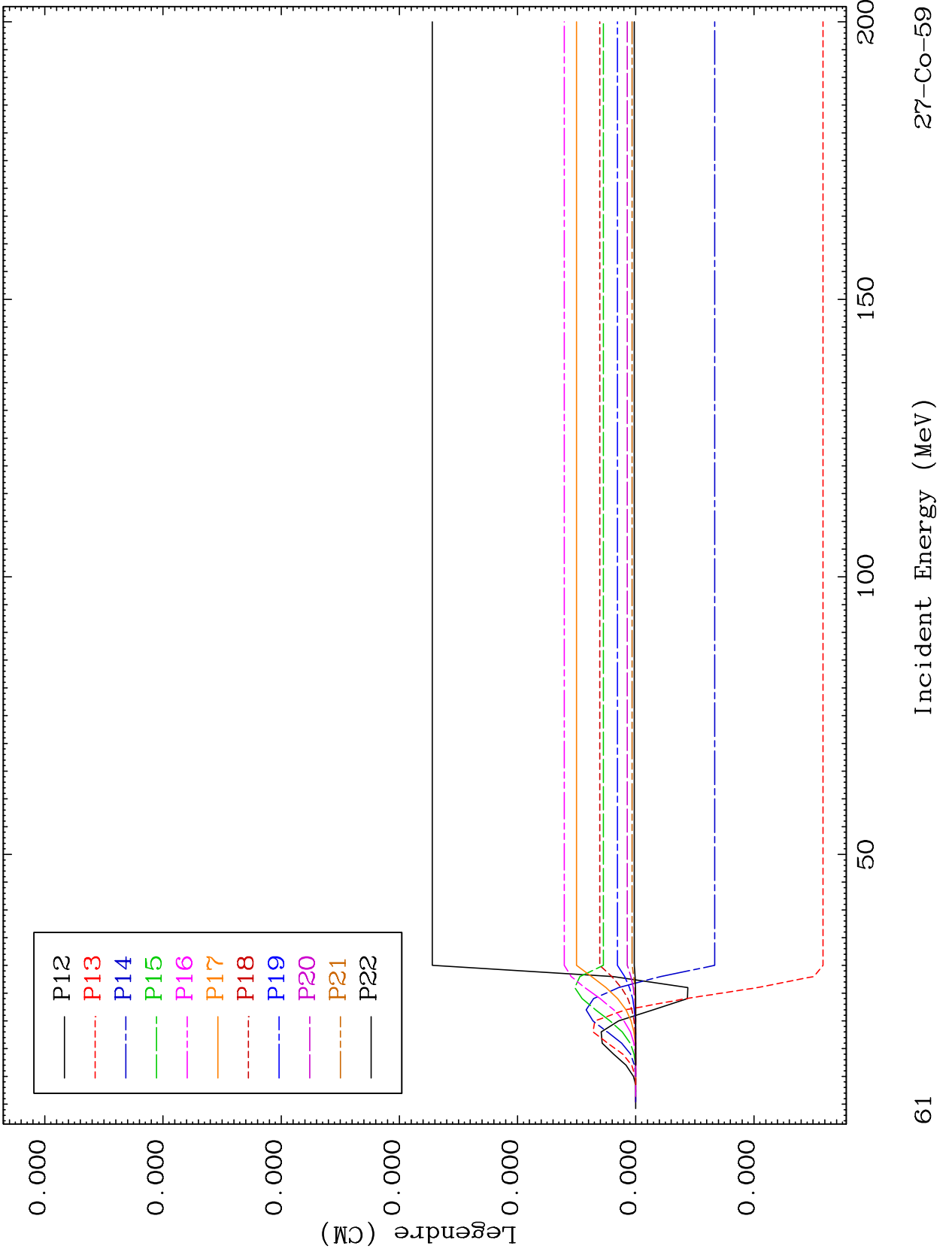




MAT 2725

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

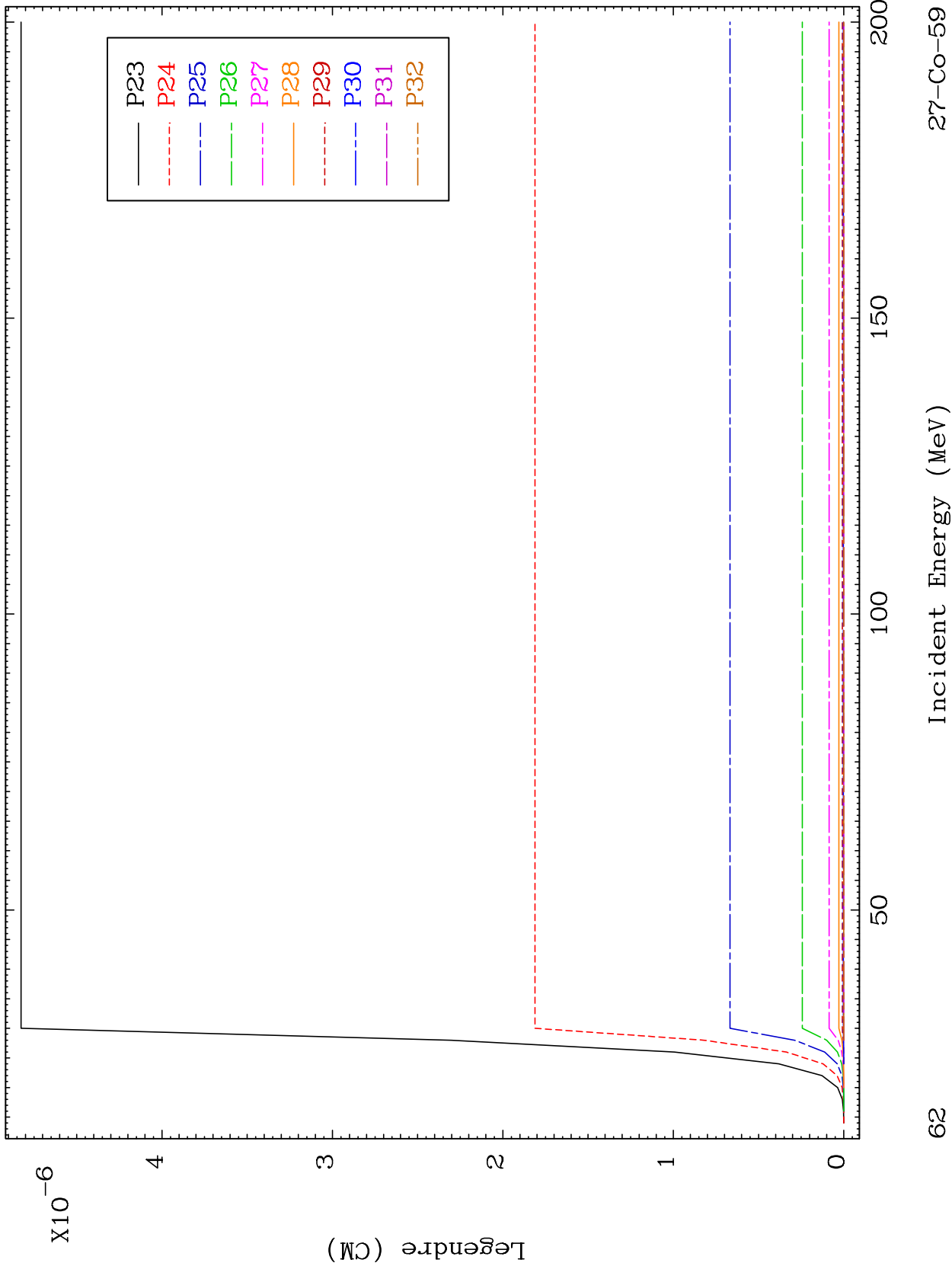
27-Co-59



MAT 2725

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

27-Co-59



62

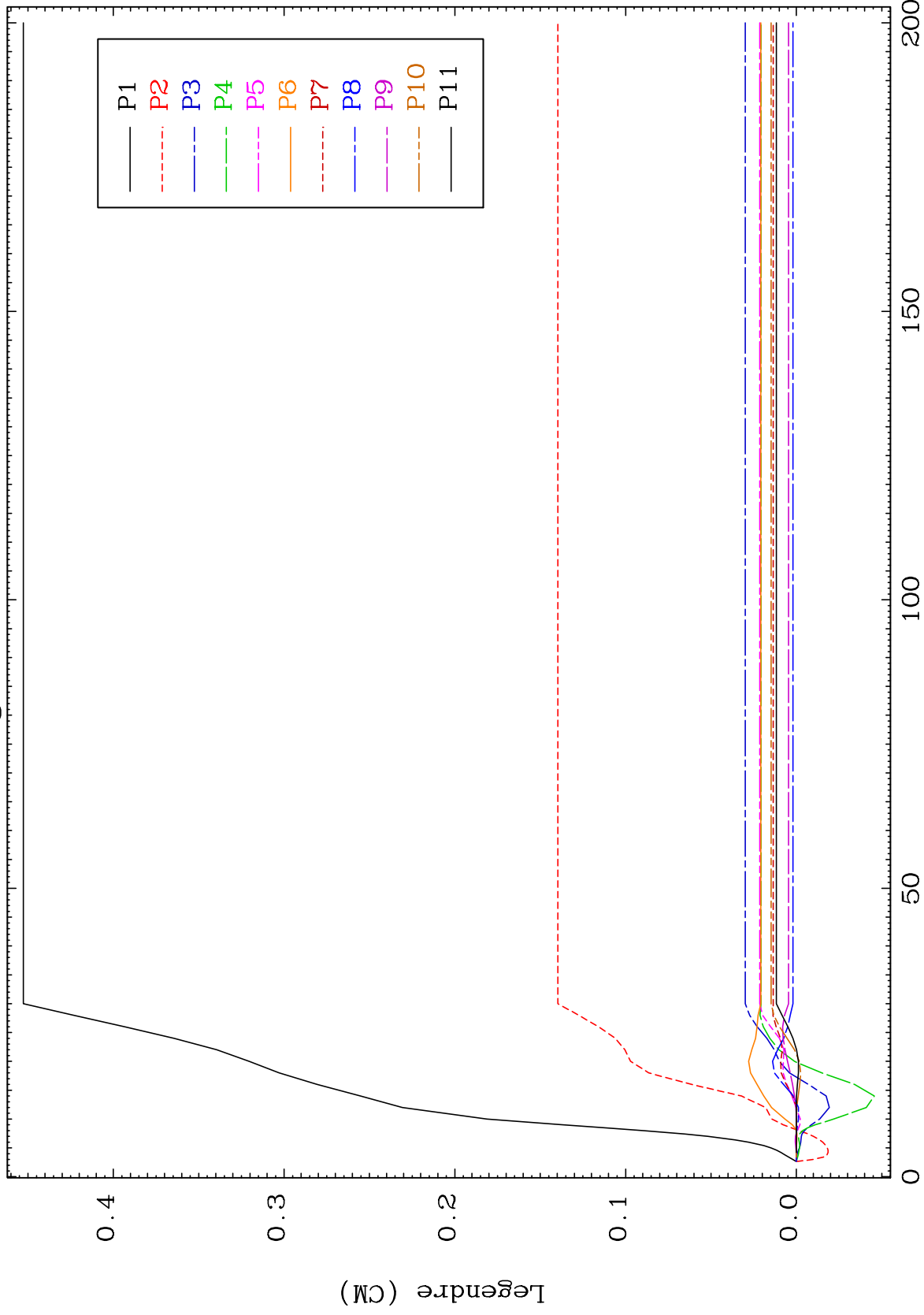
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



63

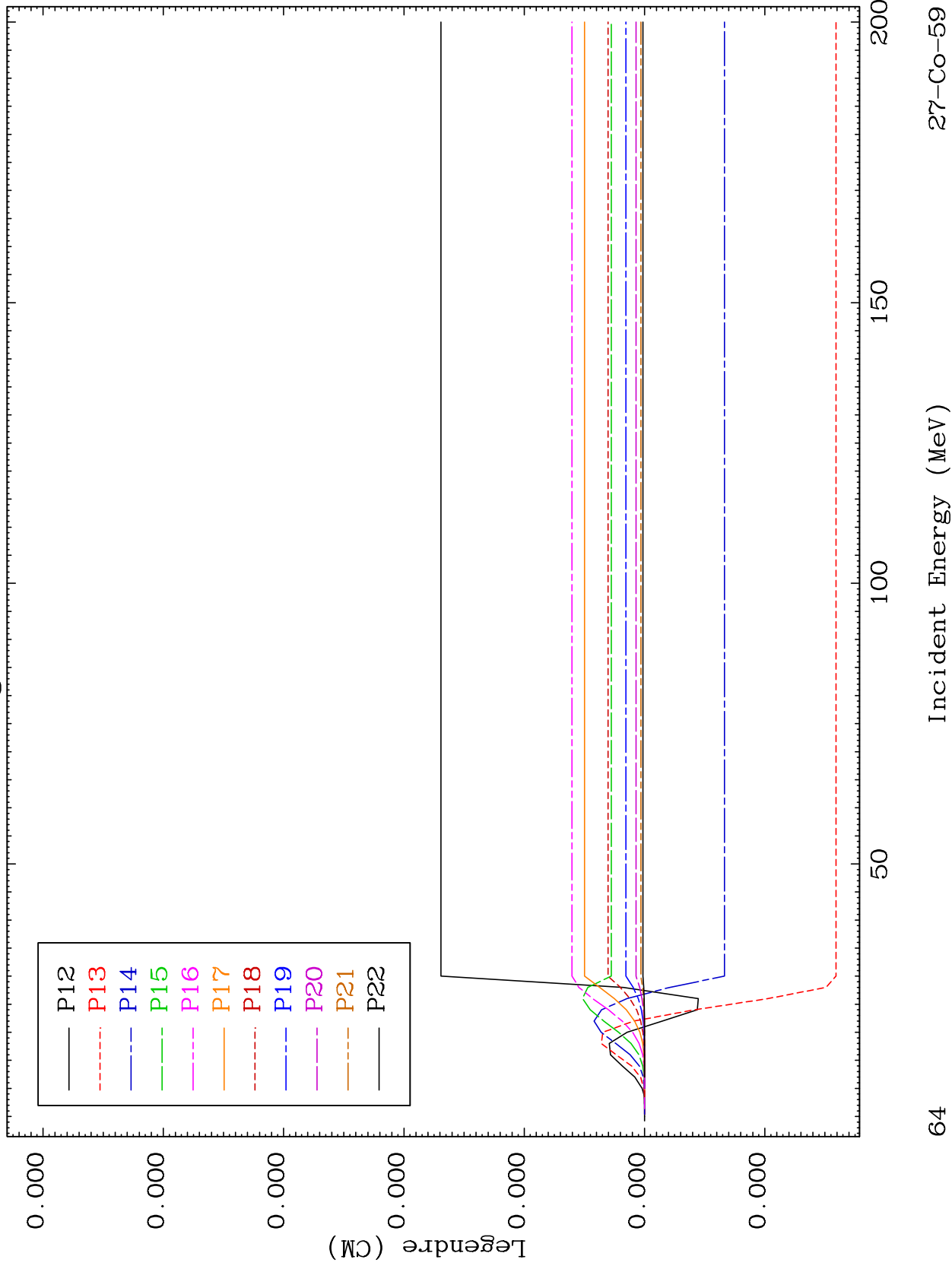
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



64

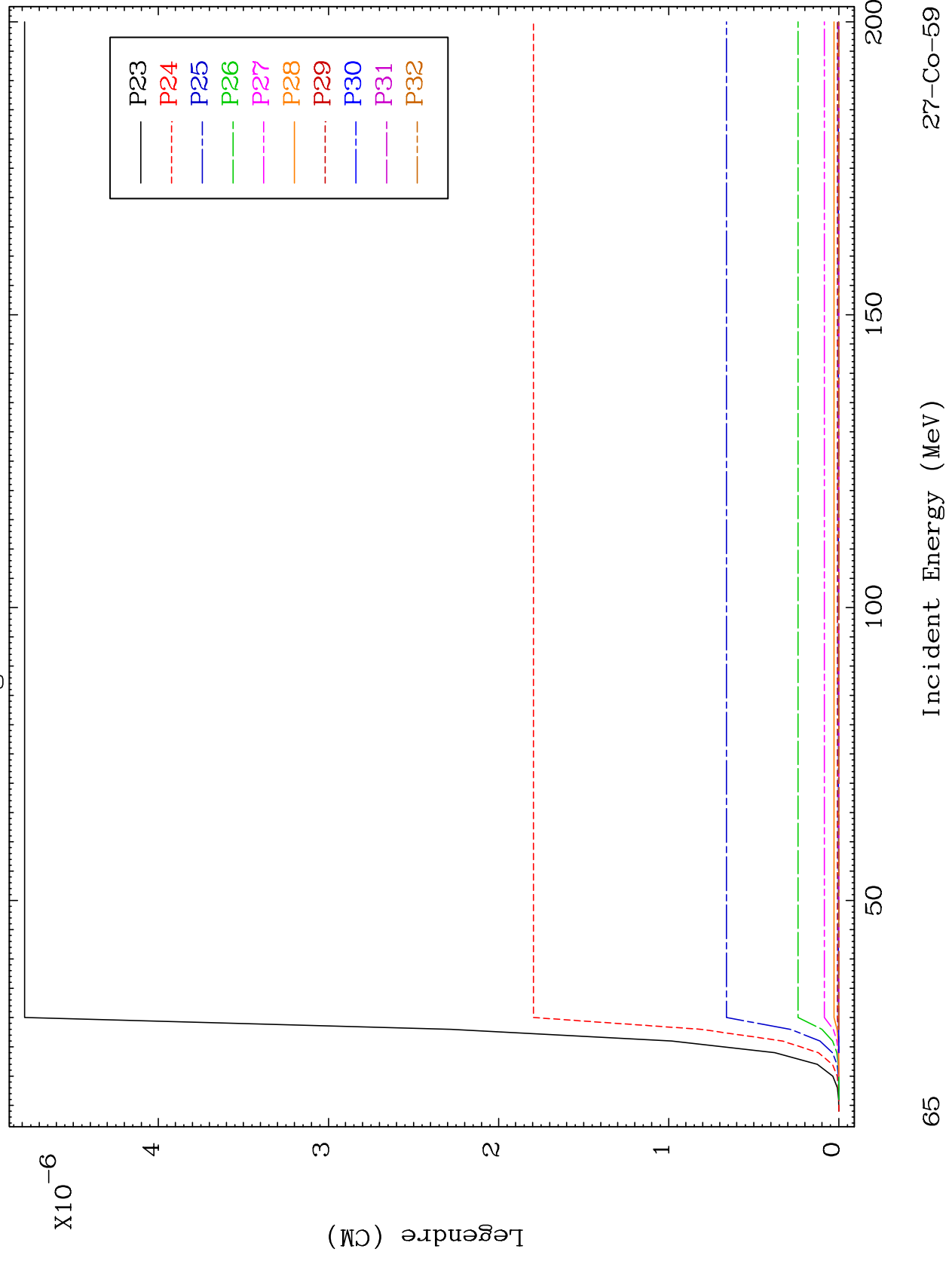
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



65

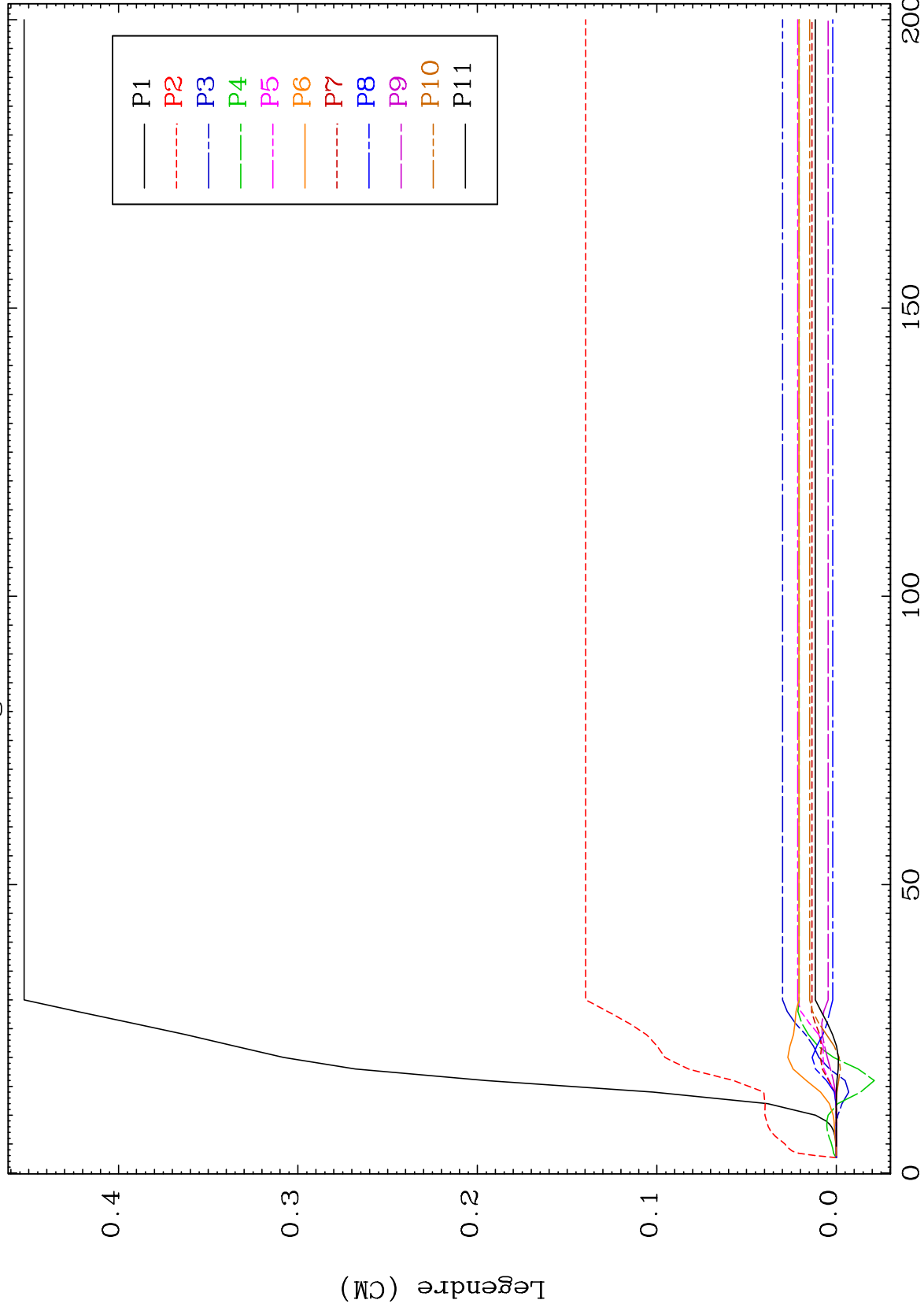
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



66

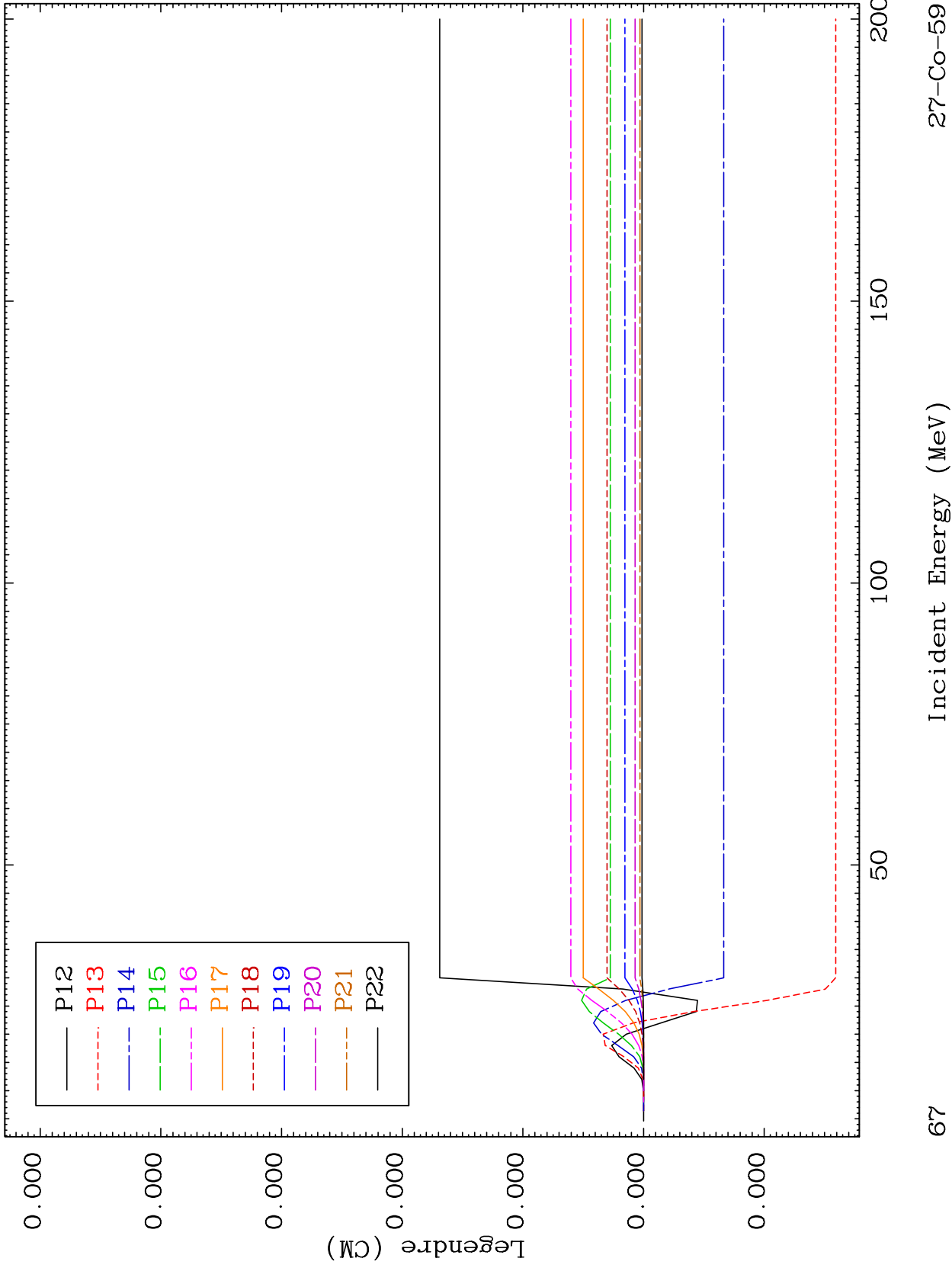
Incident Energy (MeV)

27-Co-59

MAT 2725

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

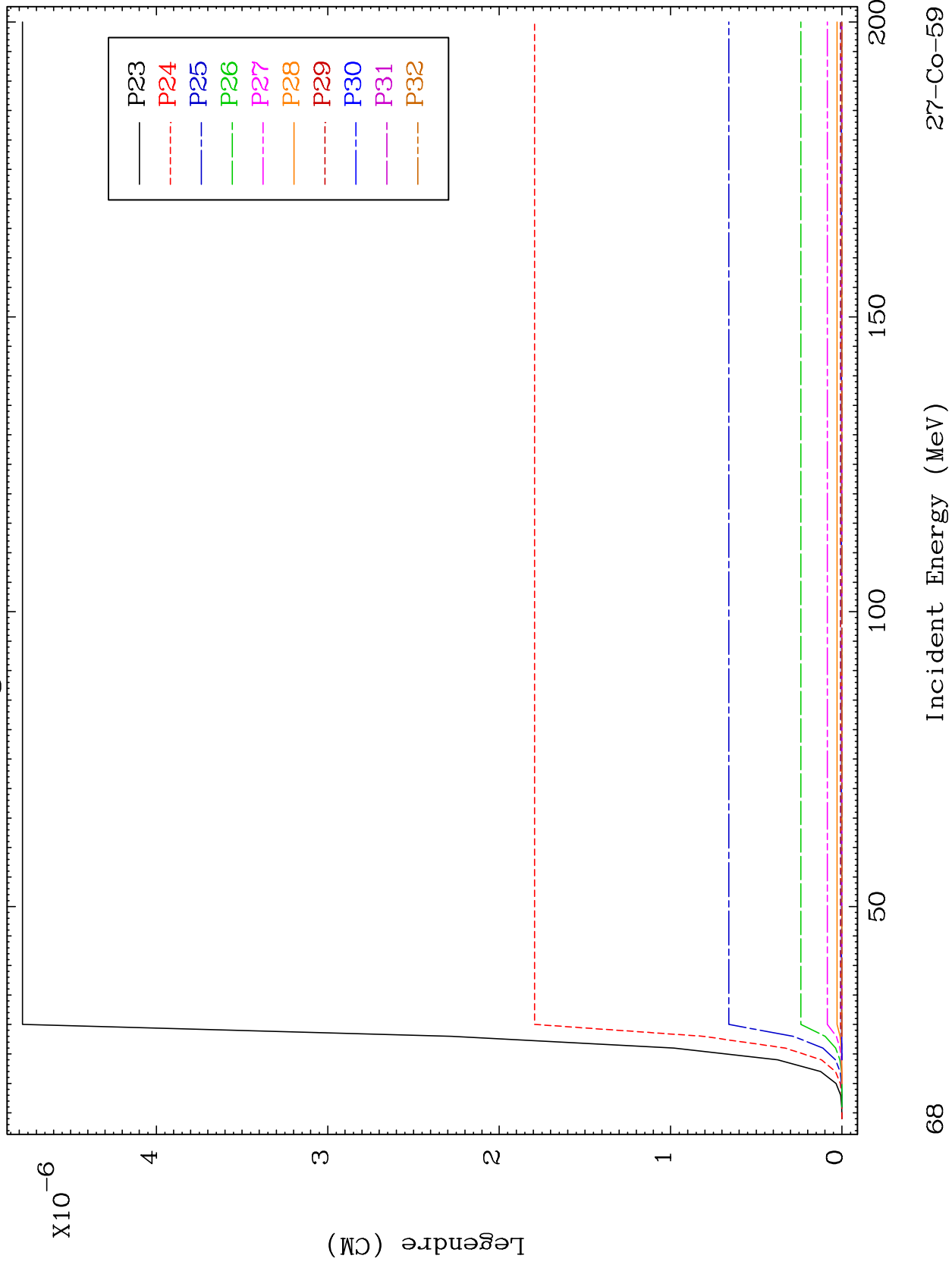
27-Co-59



MAT 2725

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

27-Co-59



68

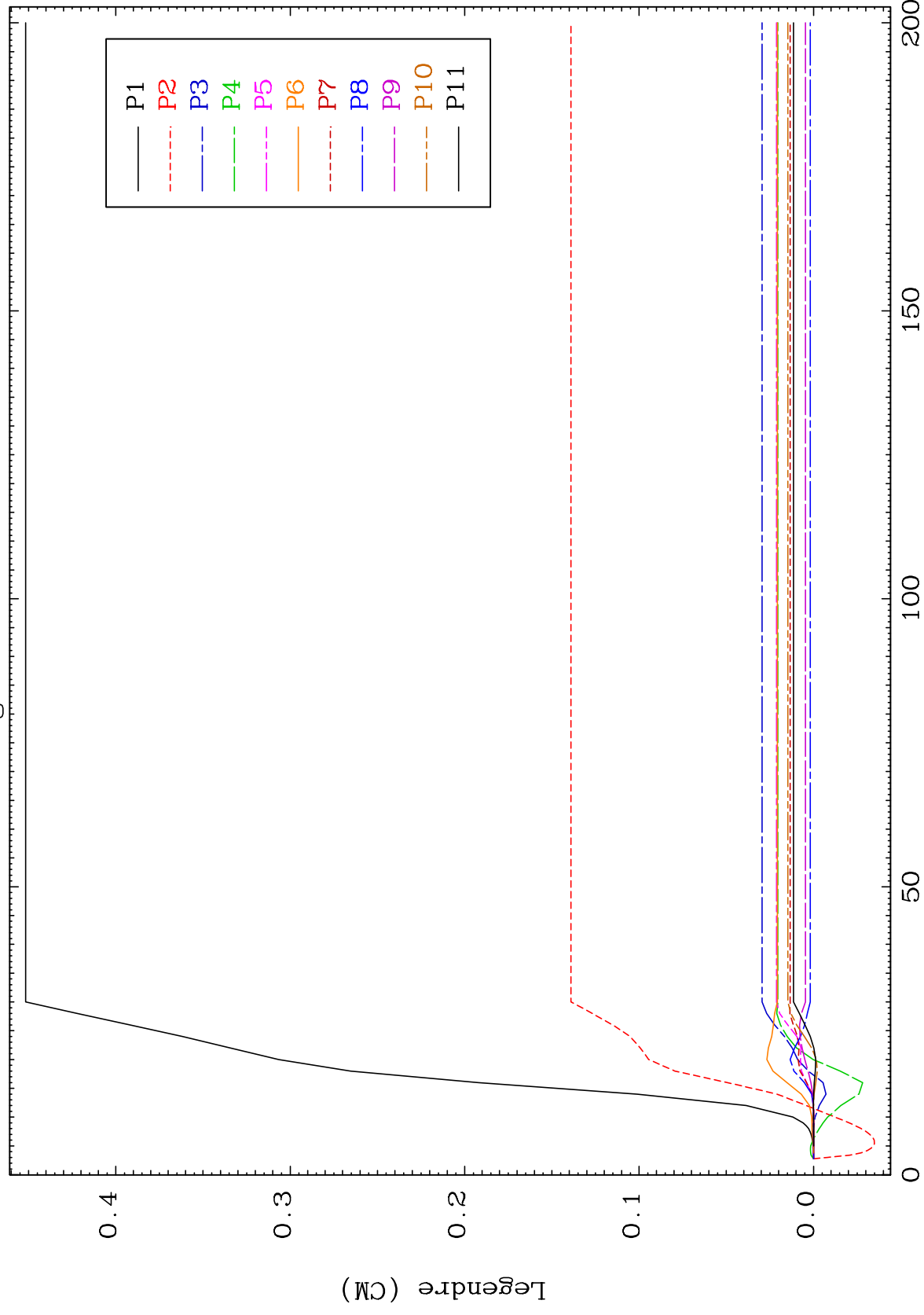
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



69

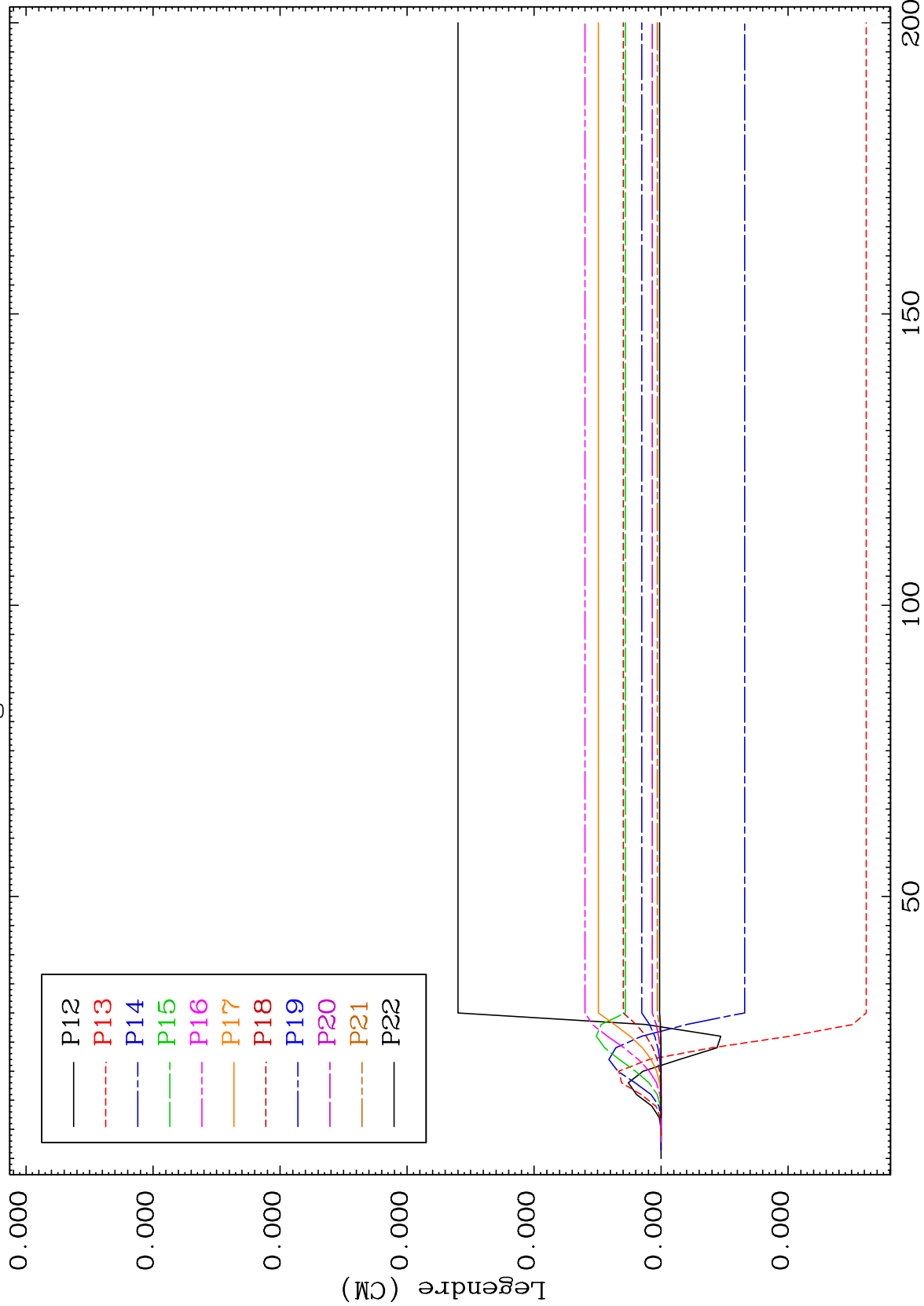
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



70

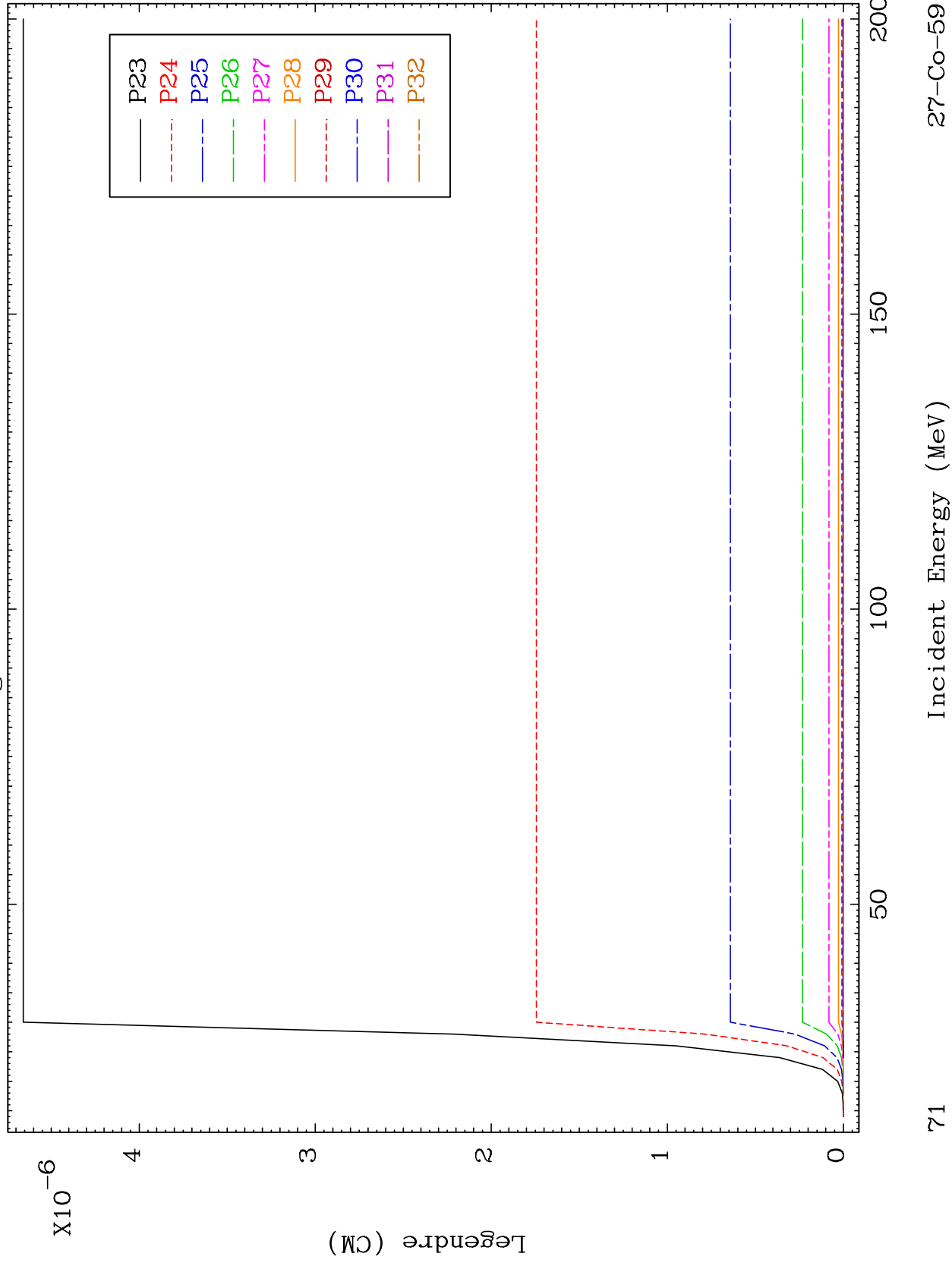
Incident Energy (MeV)

27-Co-59

MAT 2725

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

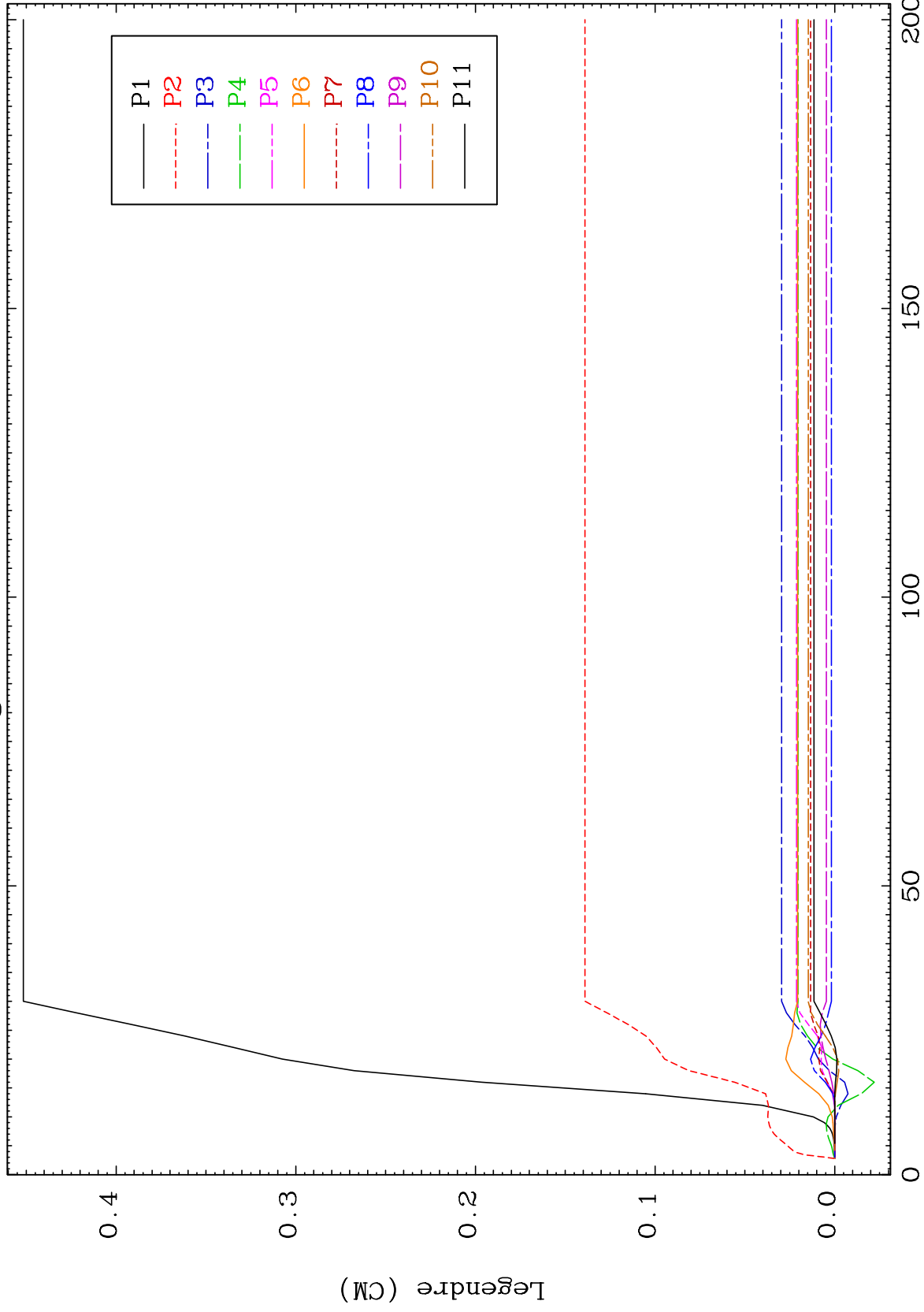
27-Co-59



MAT 2725

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

27-Co-59



72

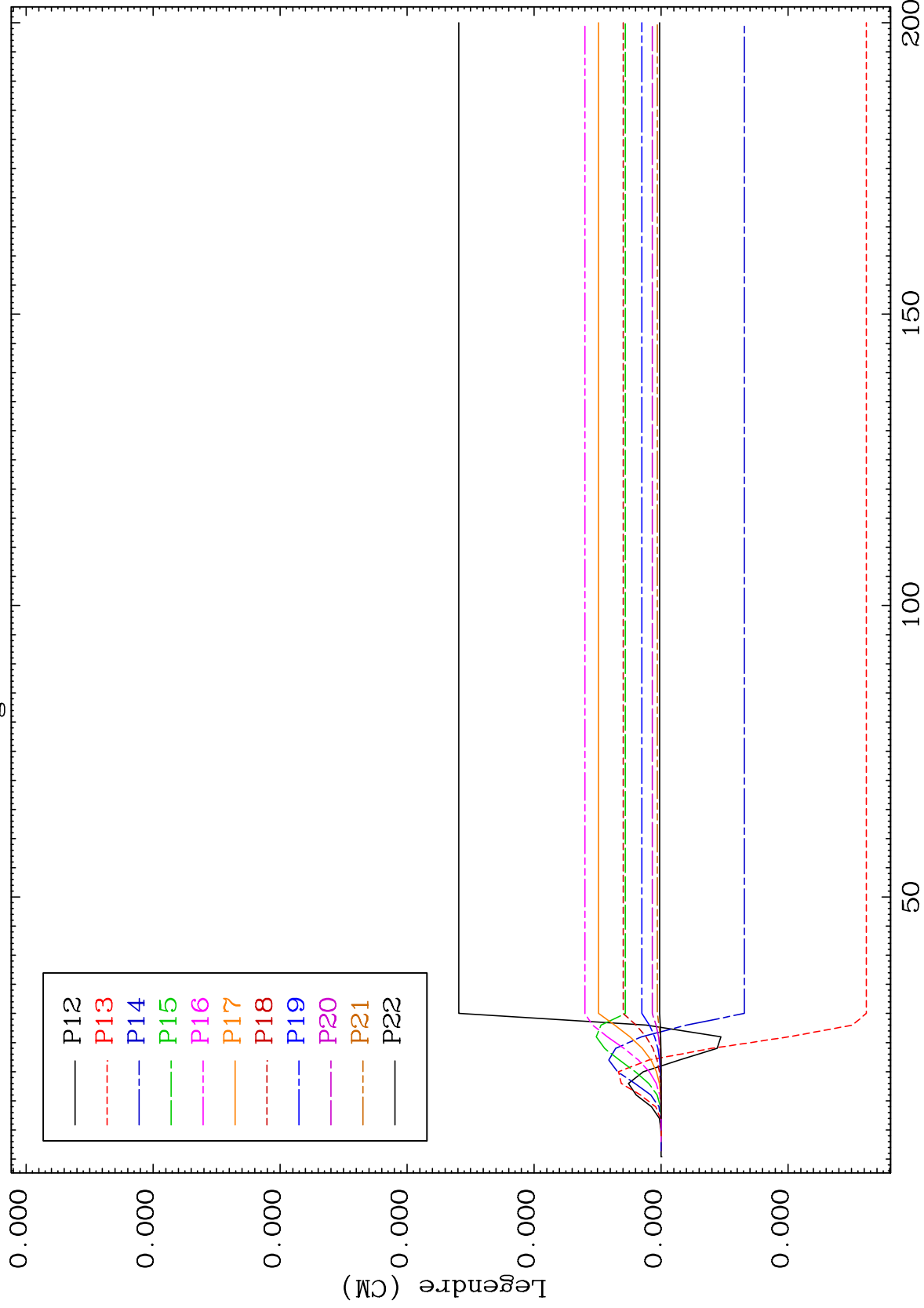
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



73

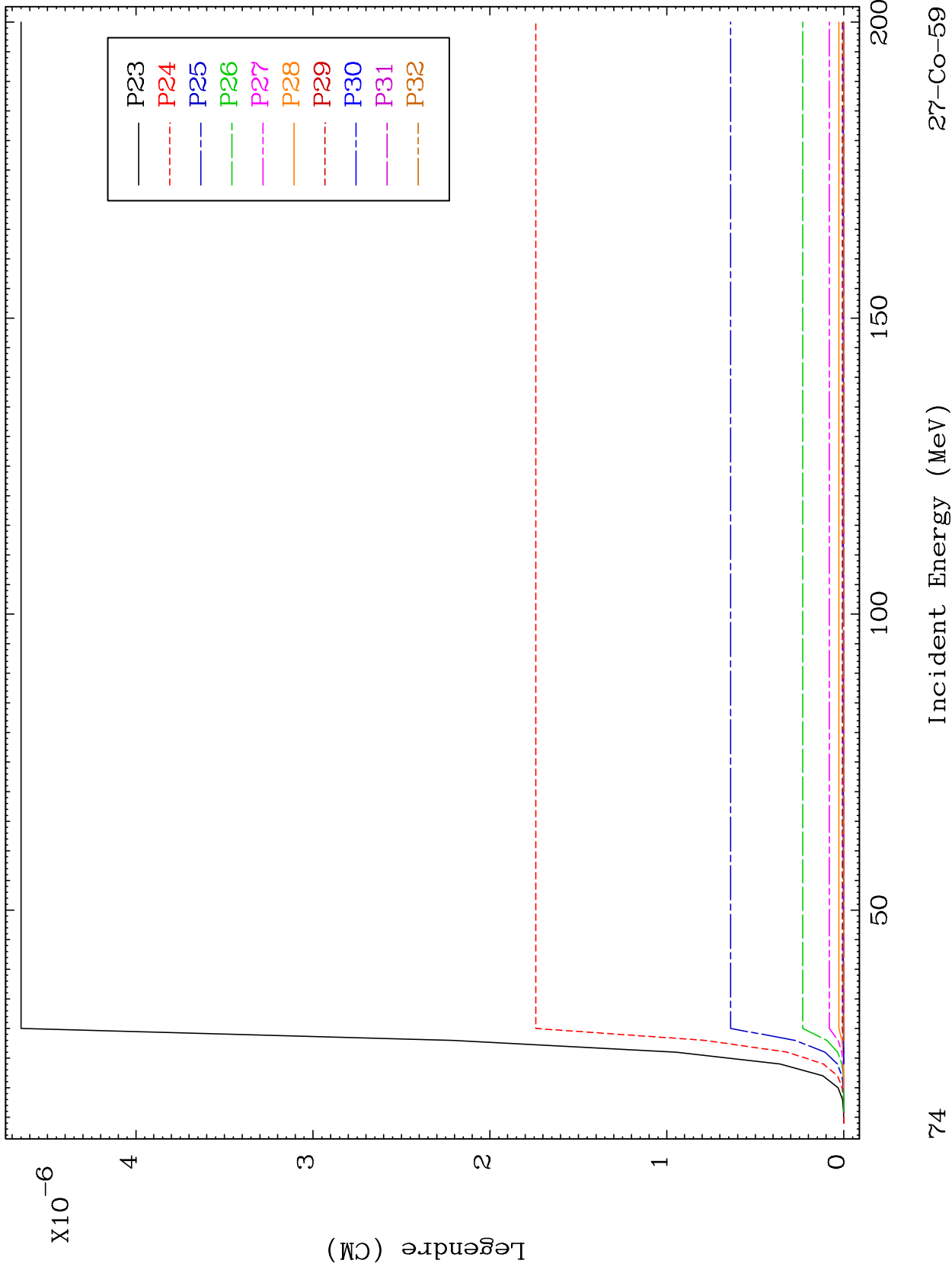
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



74

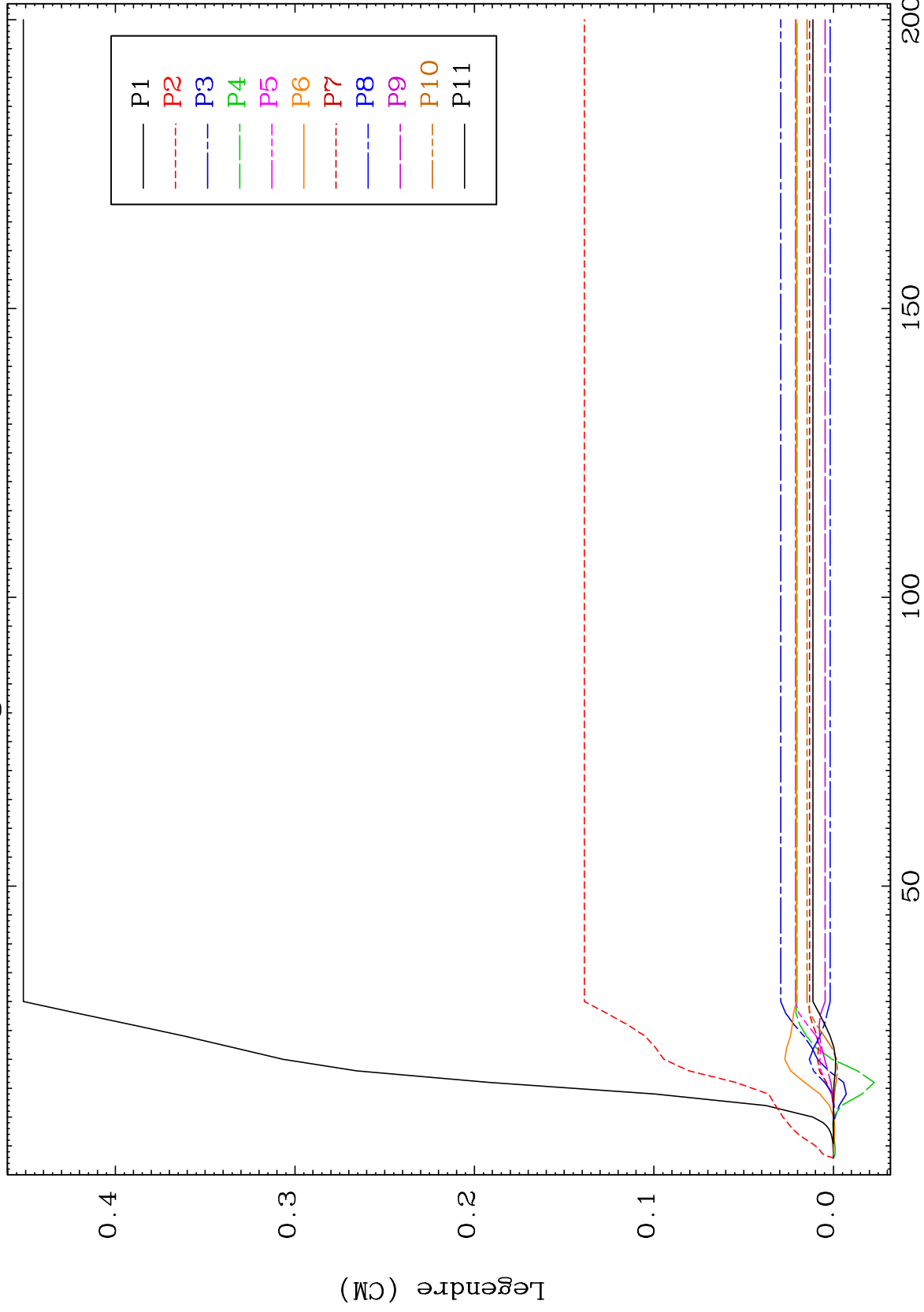
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



75

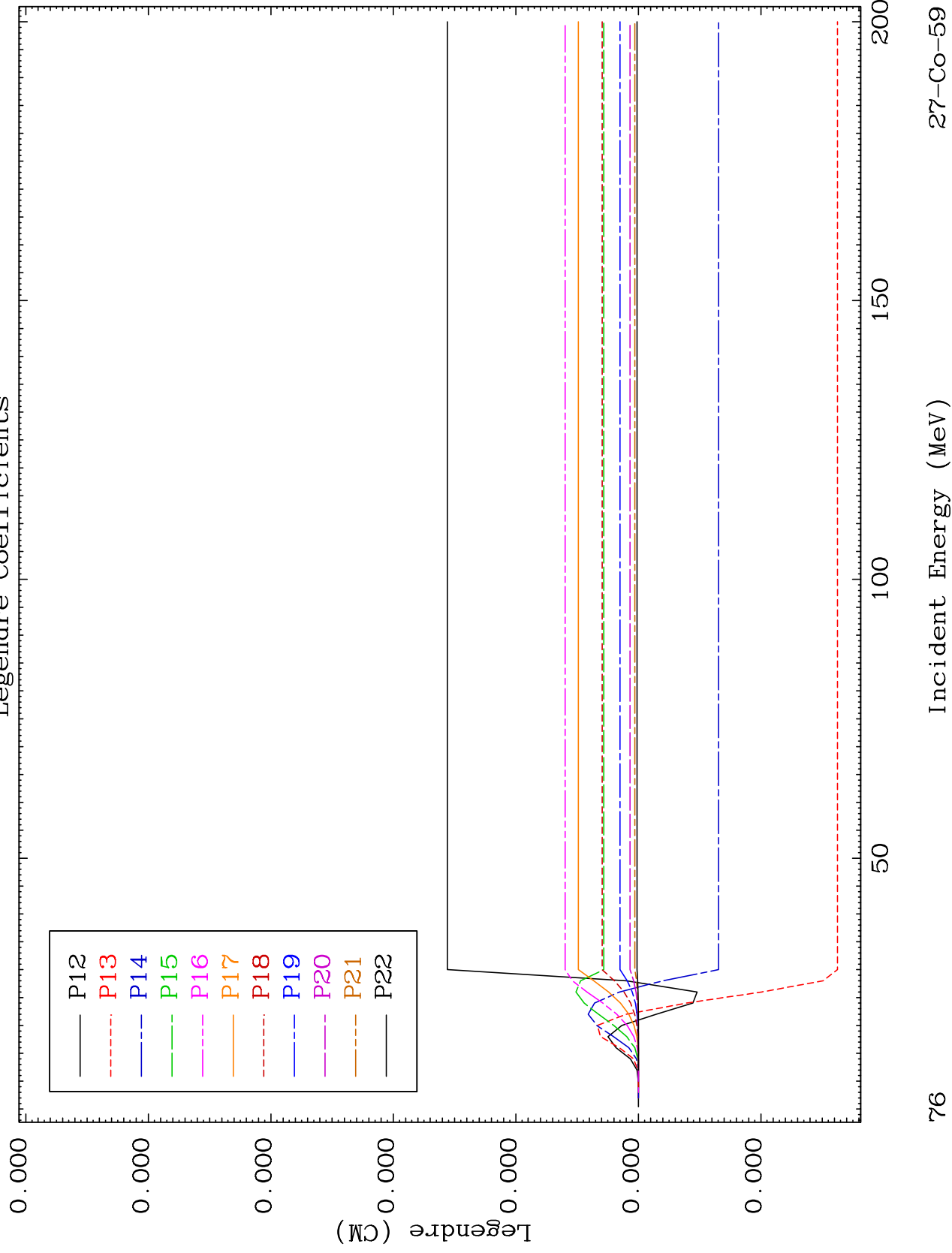
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



76

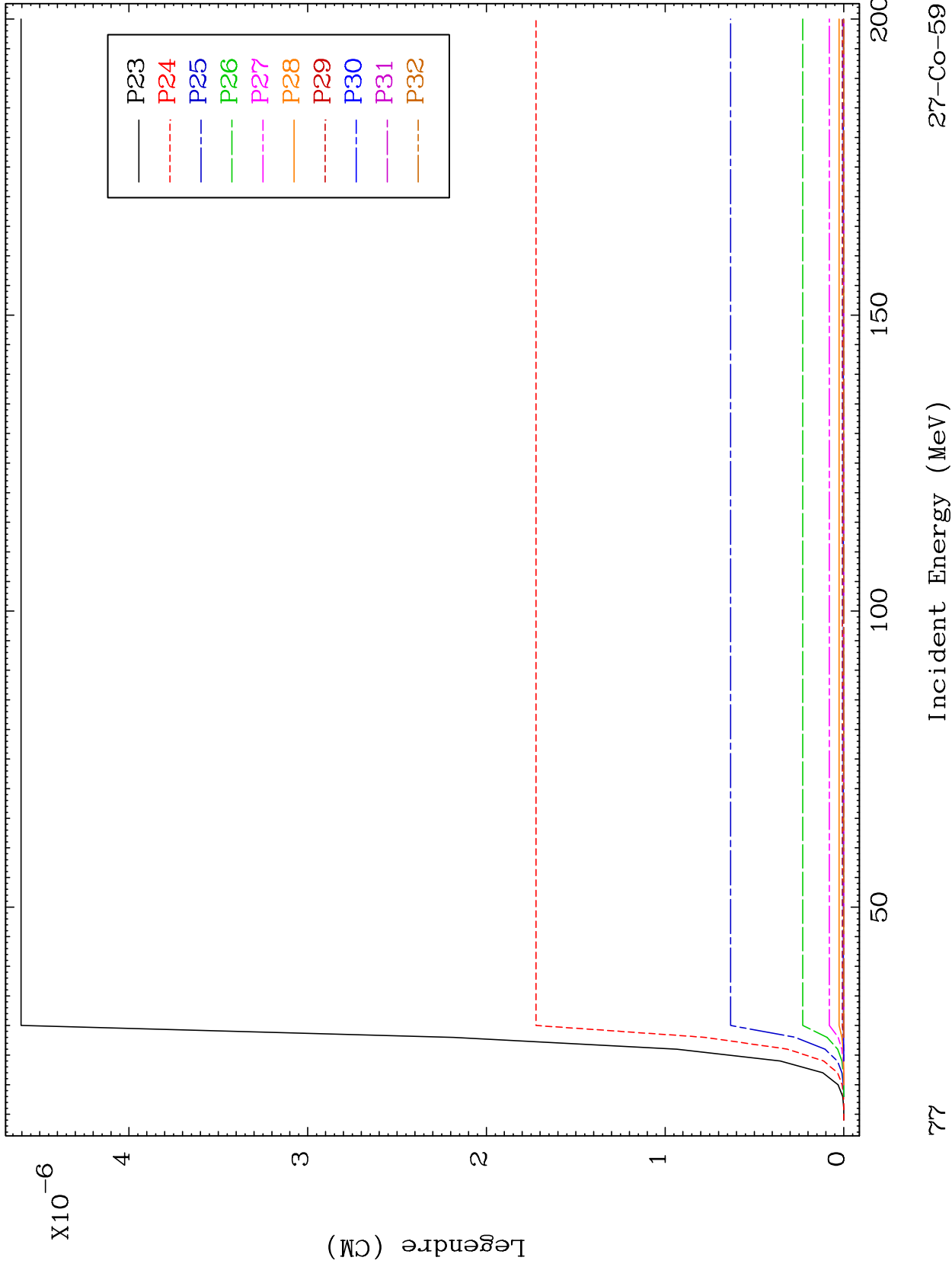
Incident Energy (MeV)

27-Co-59

MAT 2725

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

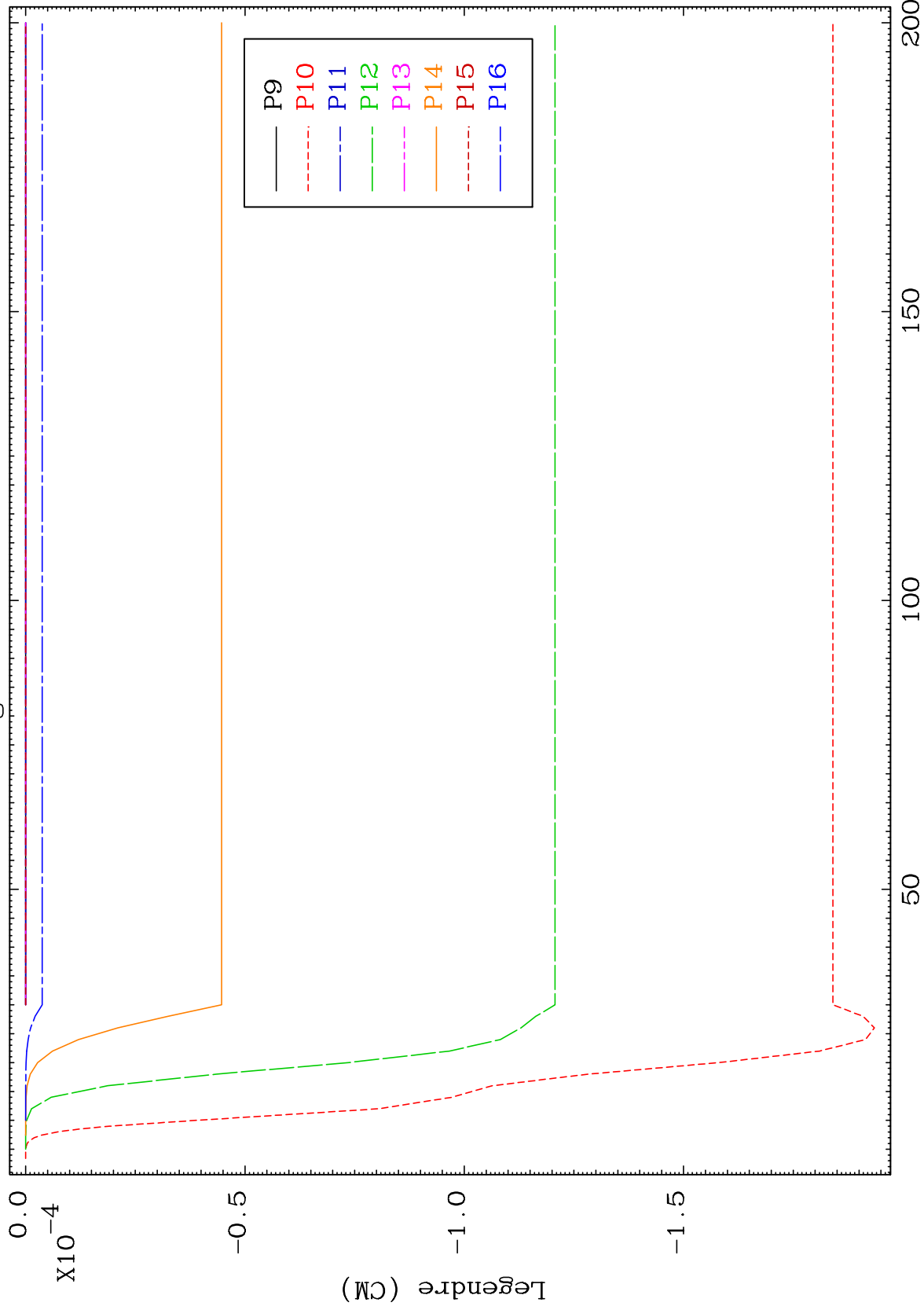
27-Co-59



MAT 2725

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

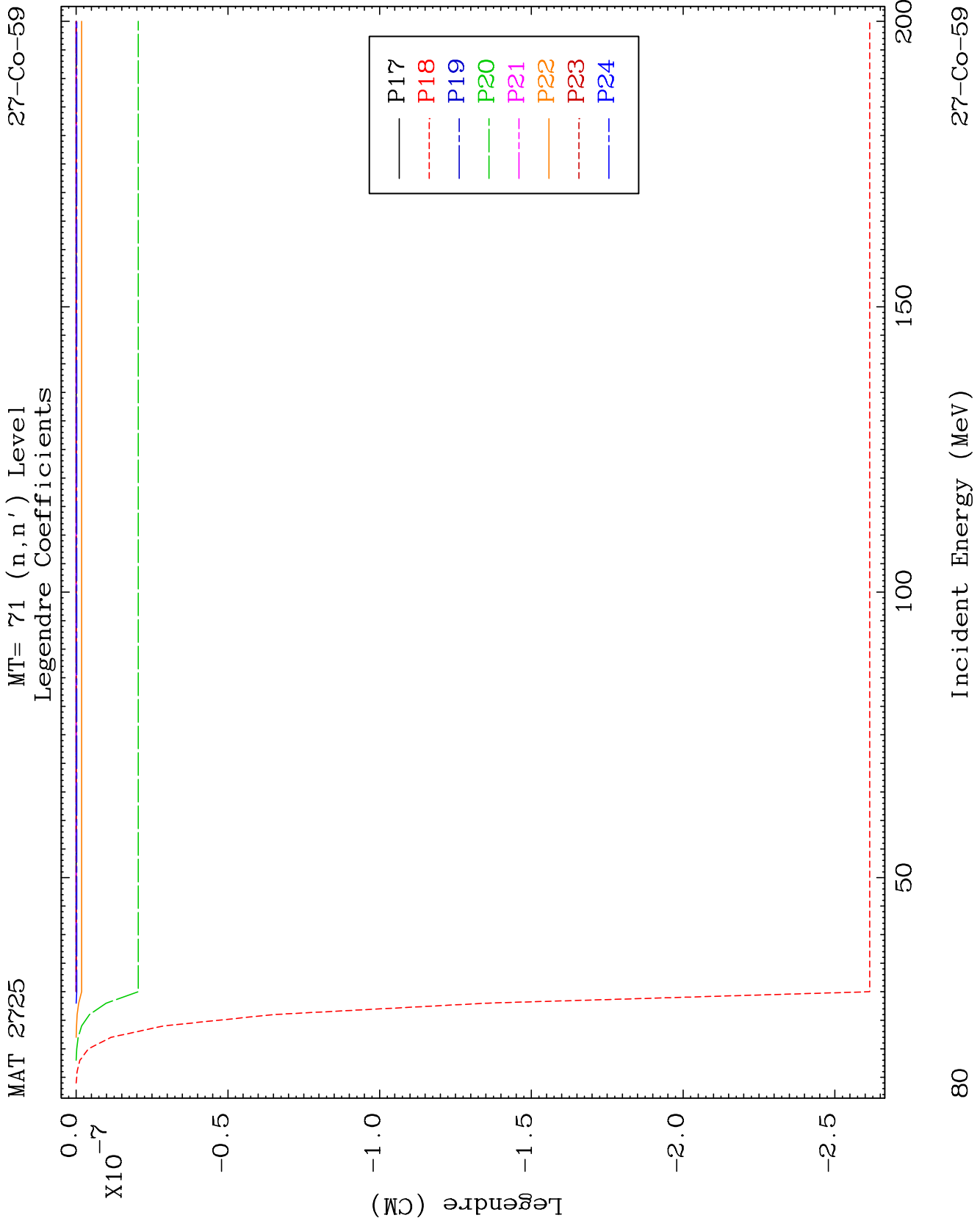
27-Co-59



27-Co-59

Incident Energy (MeV)

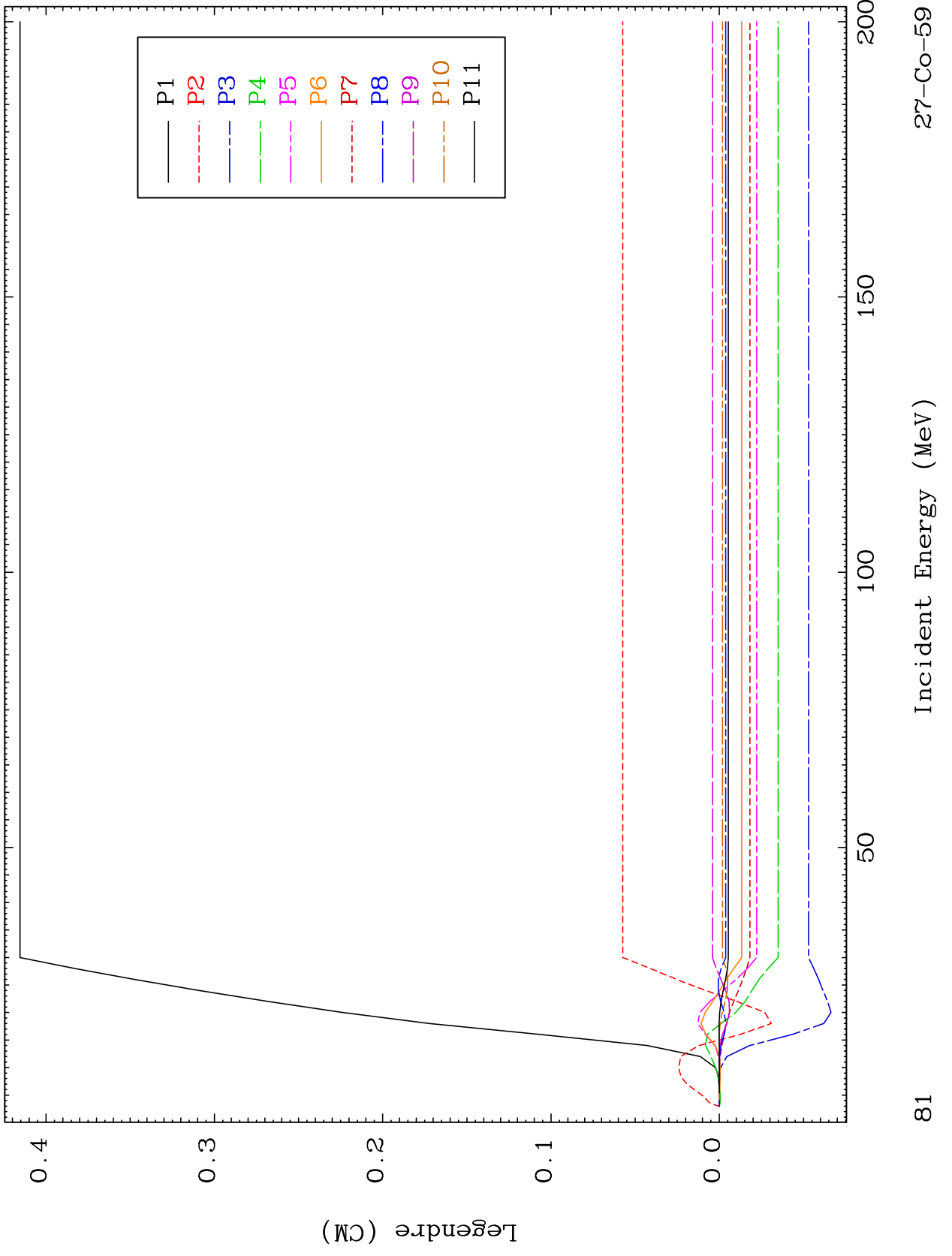
79



MAT 2725

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

27-Co-59



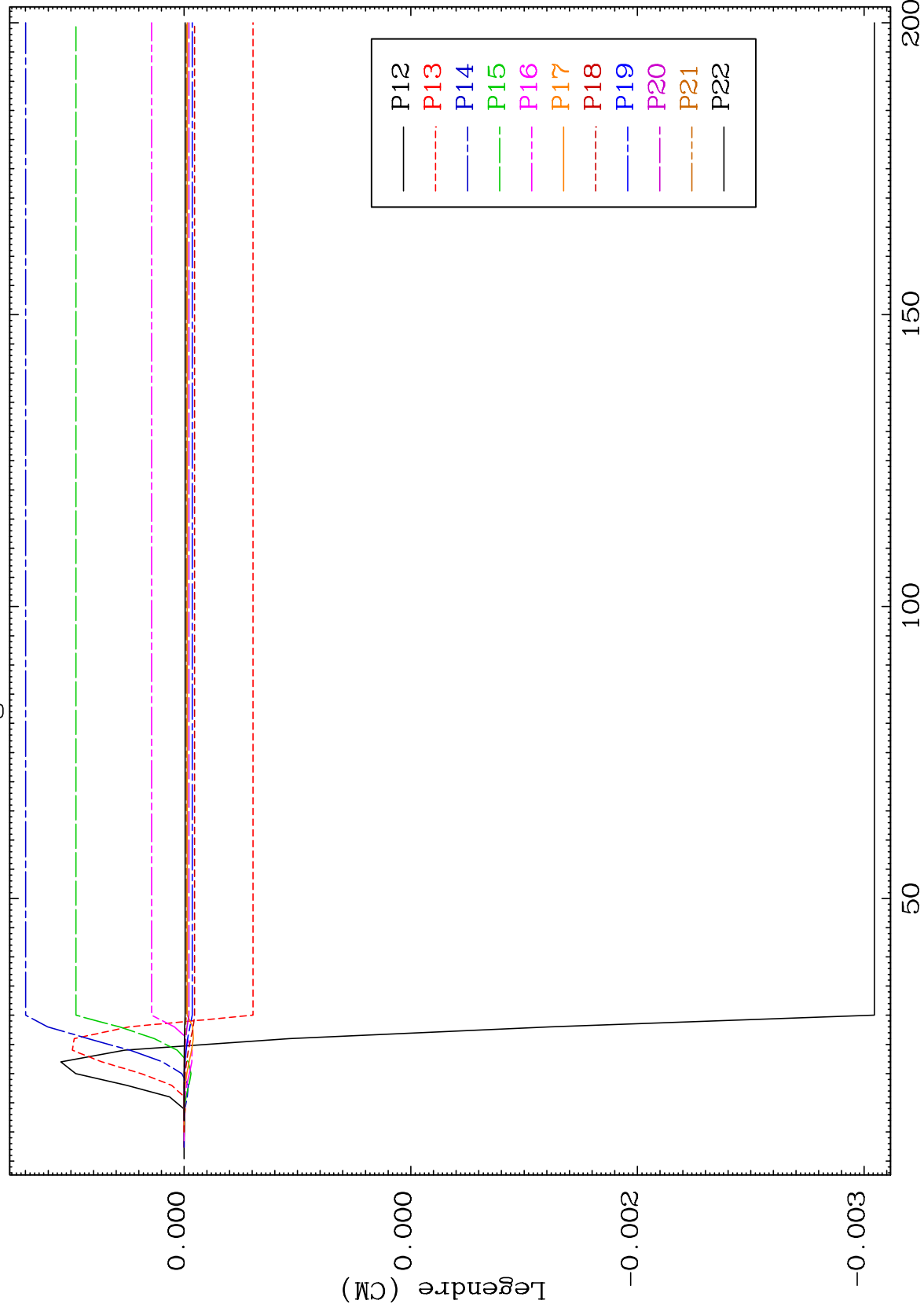
81

27-Co-59

MAT 2725

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

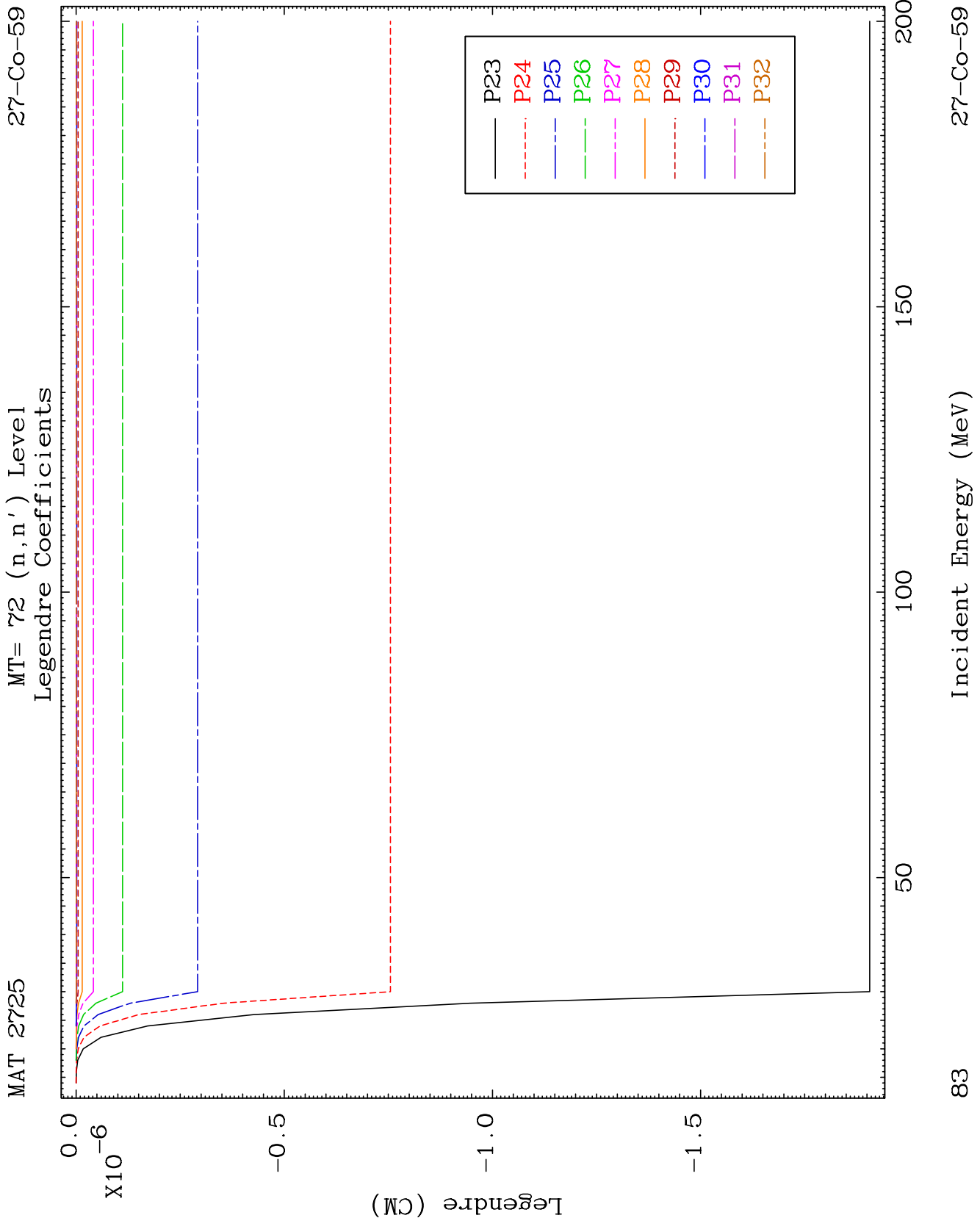
27-Co-59



82

Incident Energy (MeV)

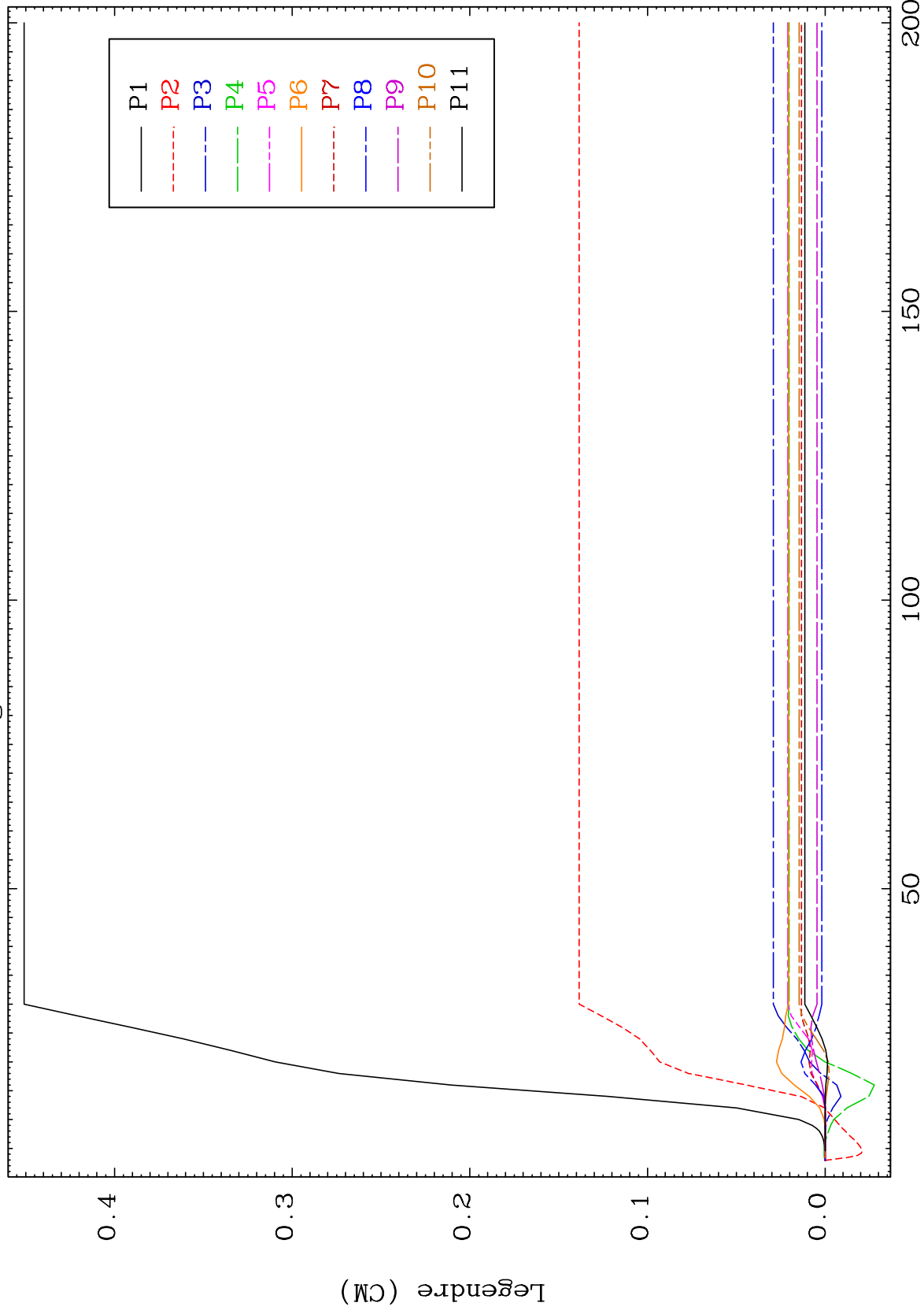
27-Co-59



MAT 2725

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

27-Co-59



84

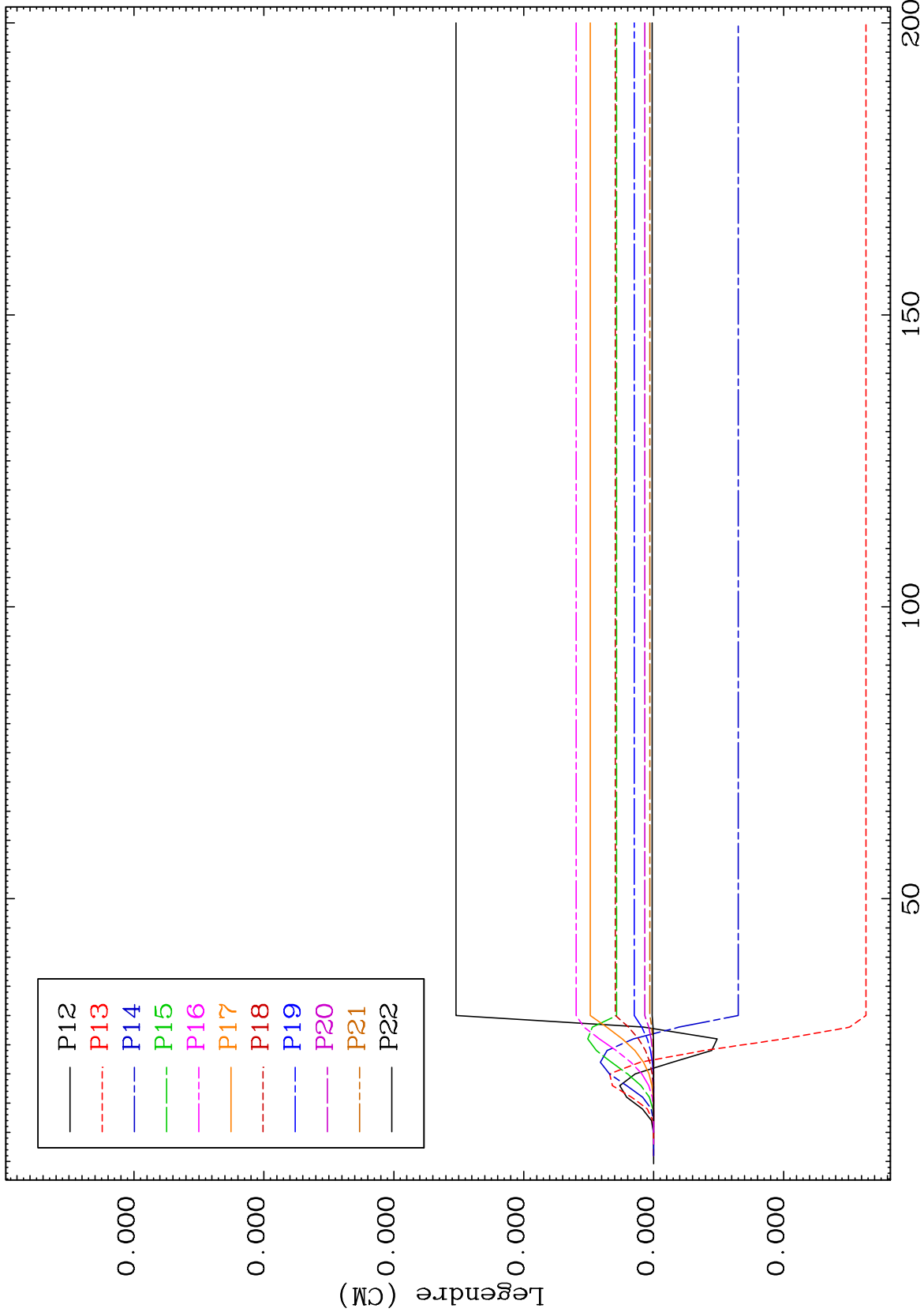
Incident Energy (MeV)

27-Co-59

MAT 2725

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

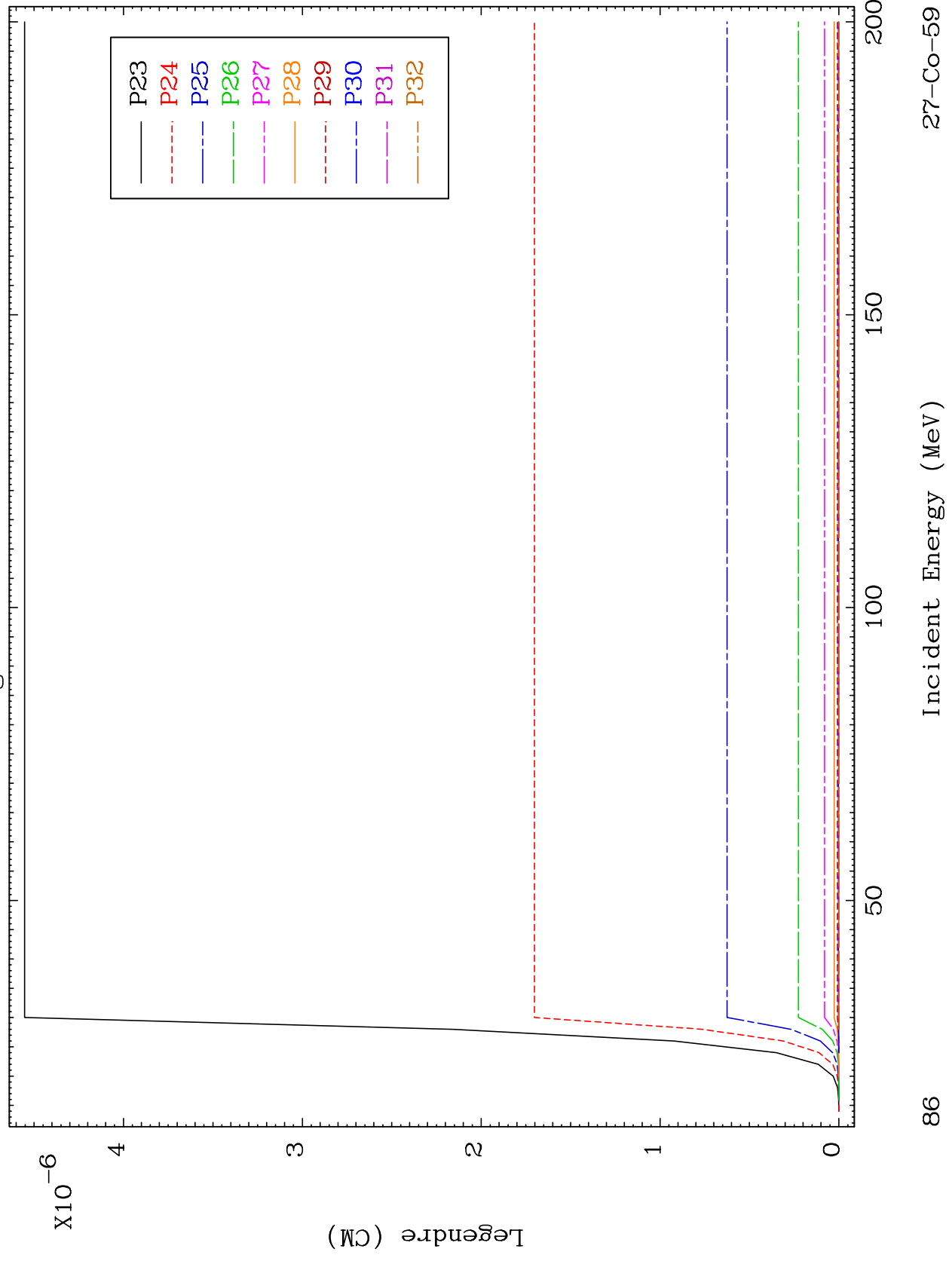
27-Co-59



MAT 2725

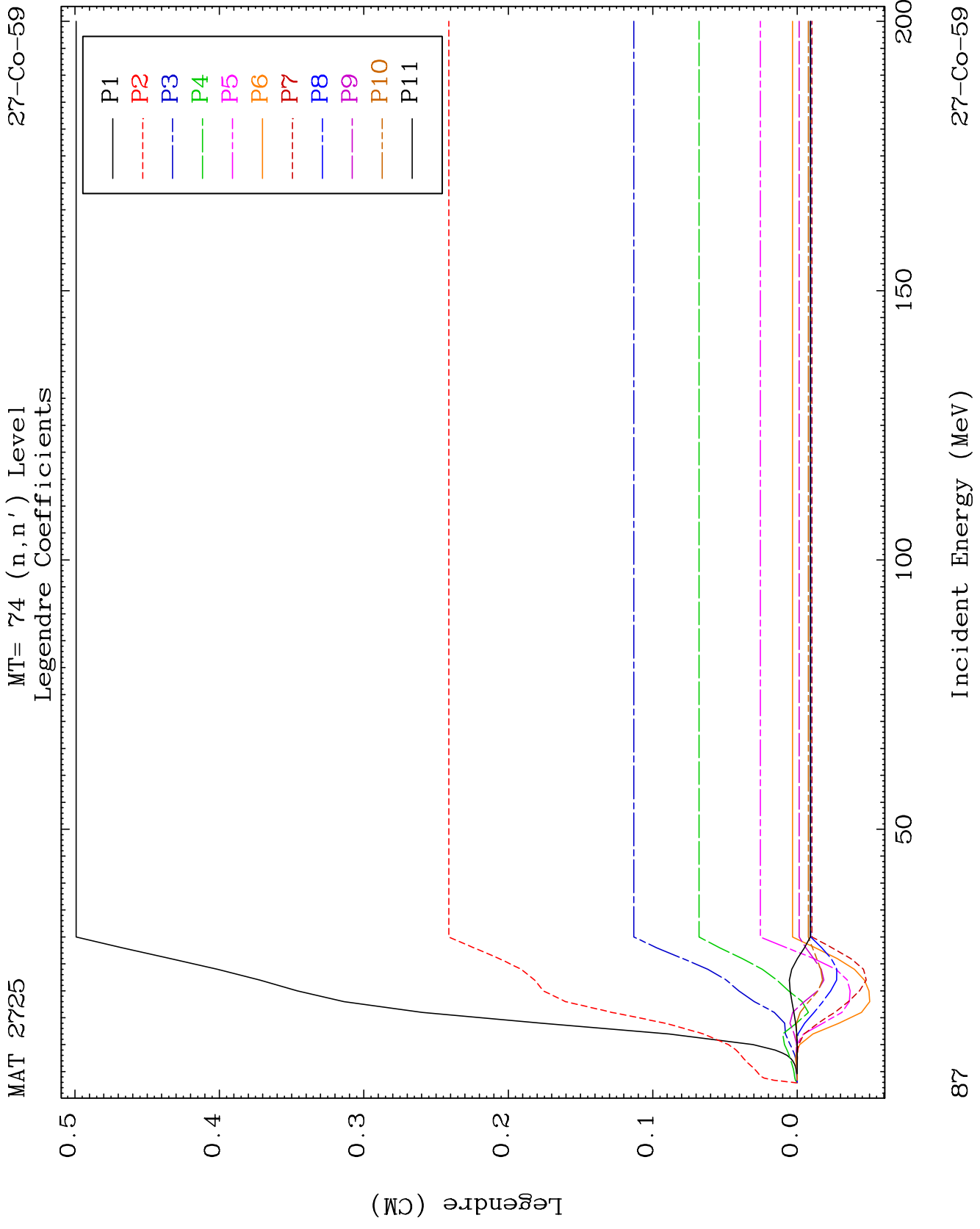
MT= 73 (n,n') Level
Legendre Coefficients

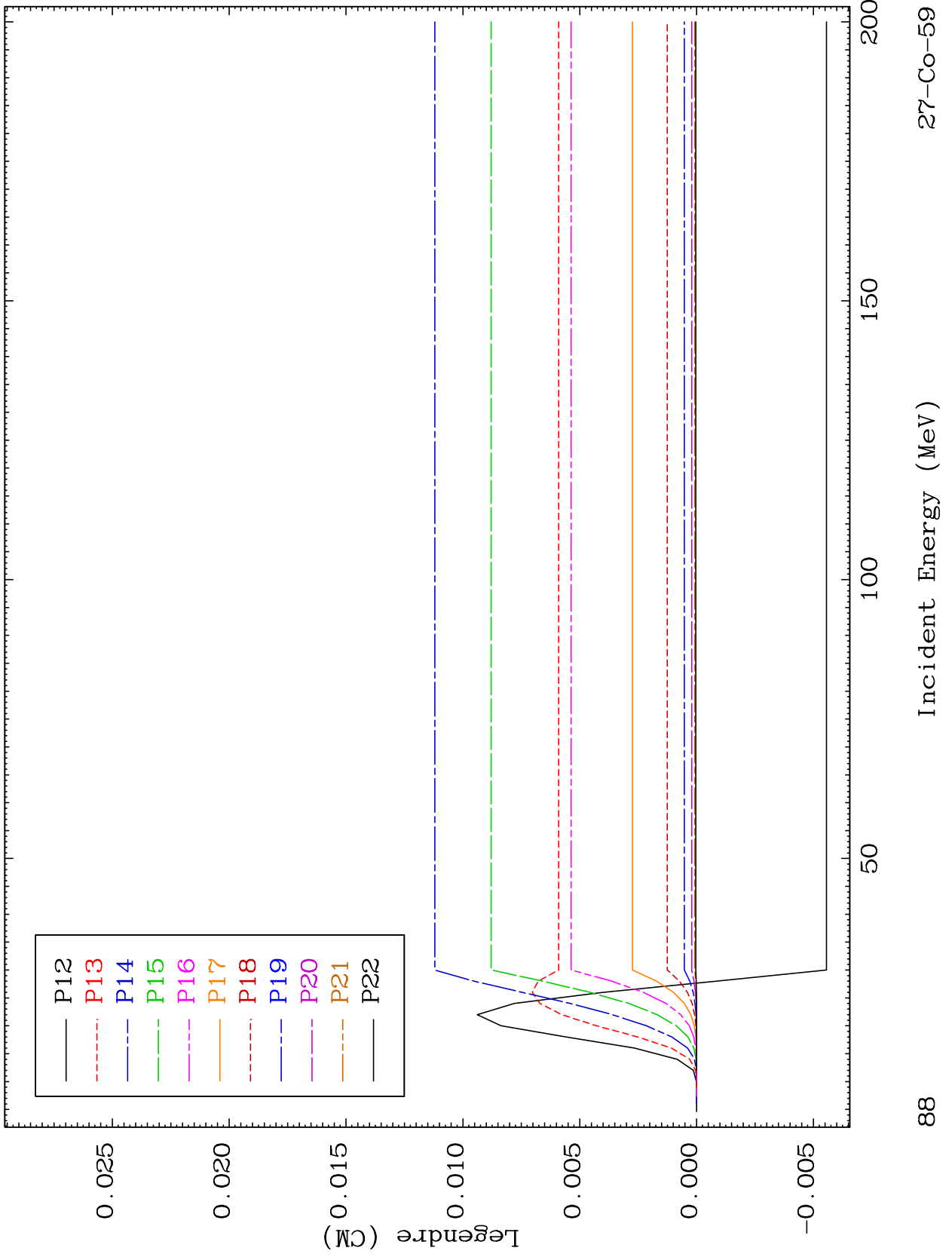
27-Co-59



86

27-Co-59

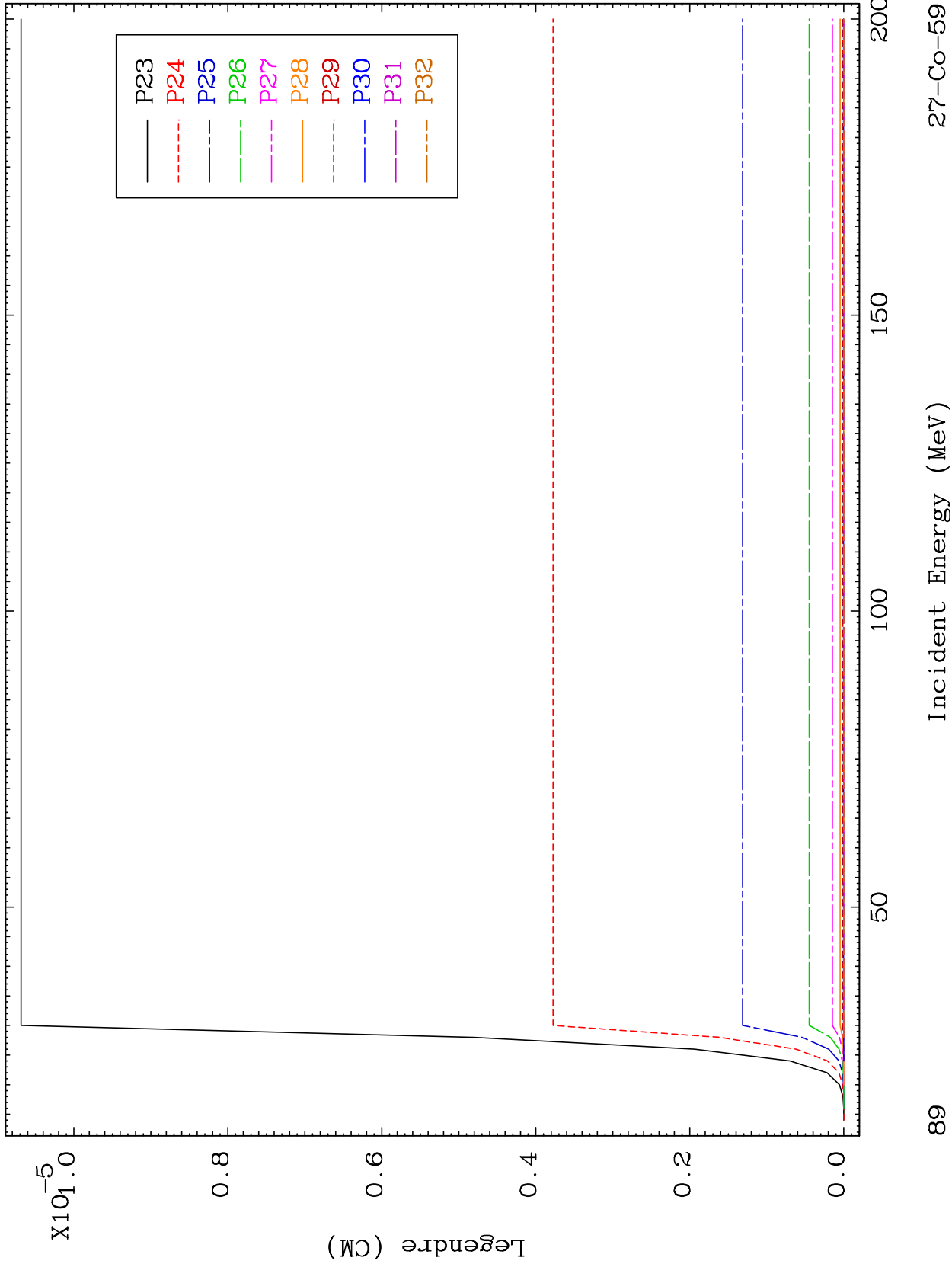




MAT 2725

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

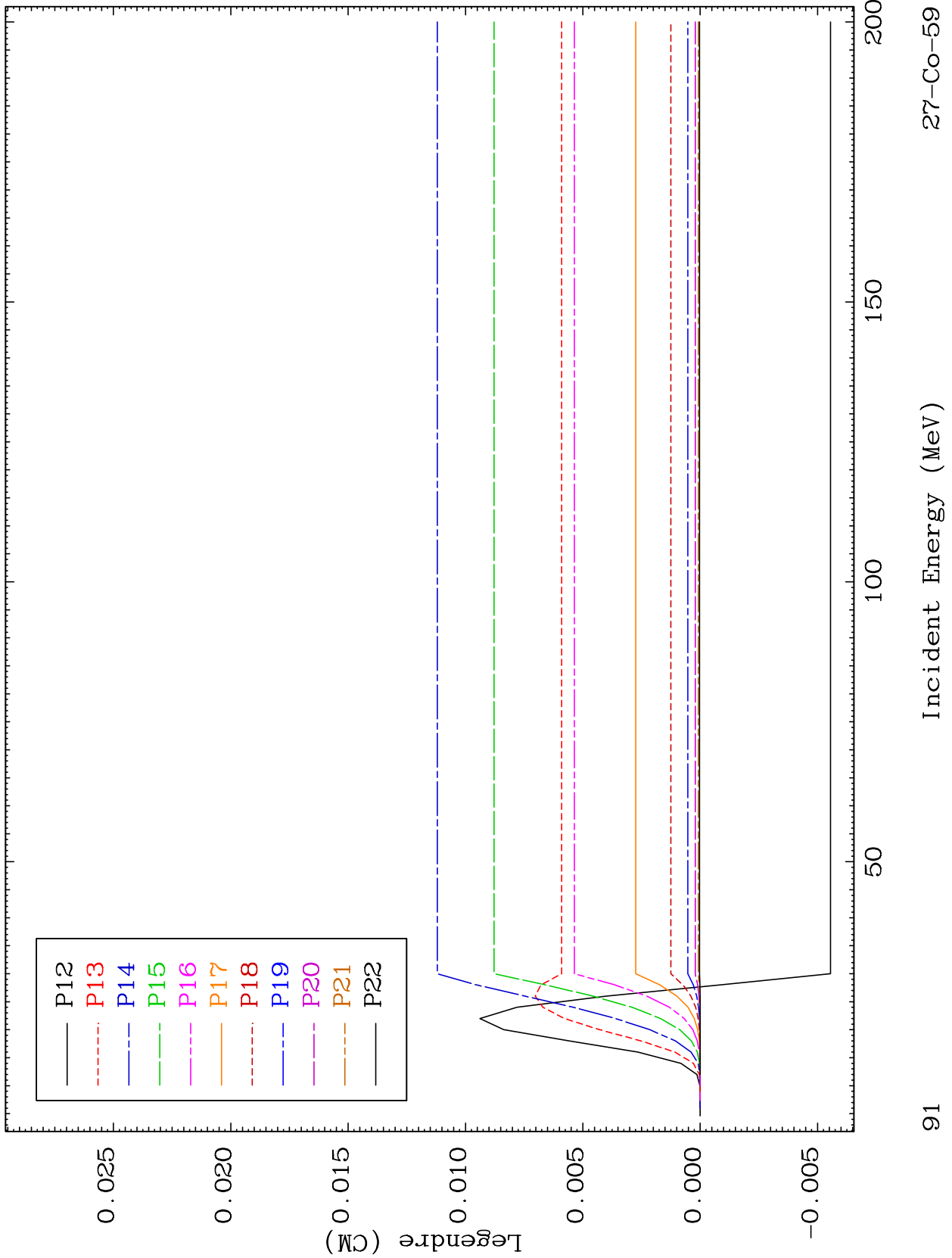
27-Co-59



89

Incident Energy (MeV)

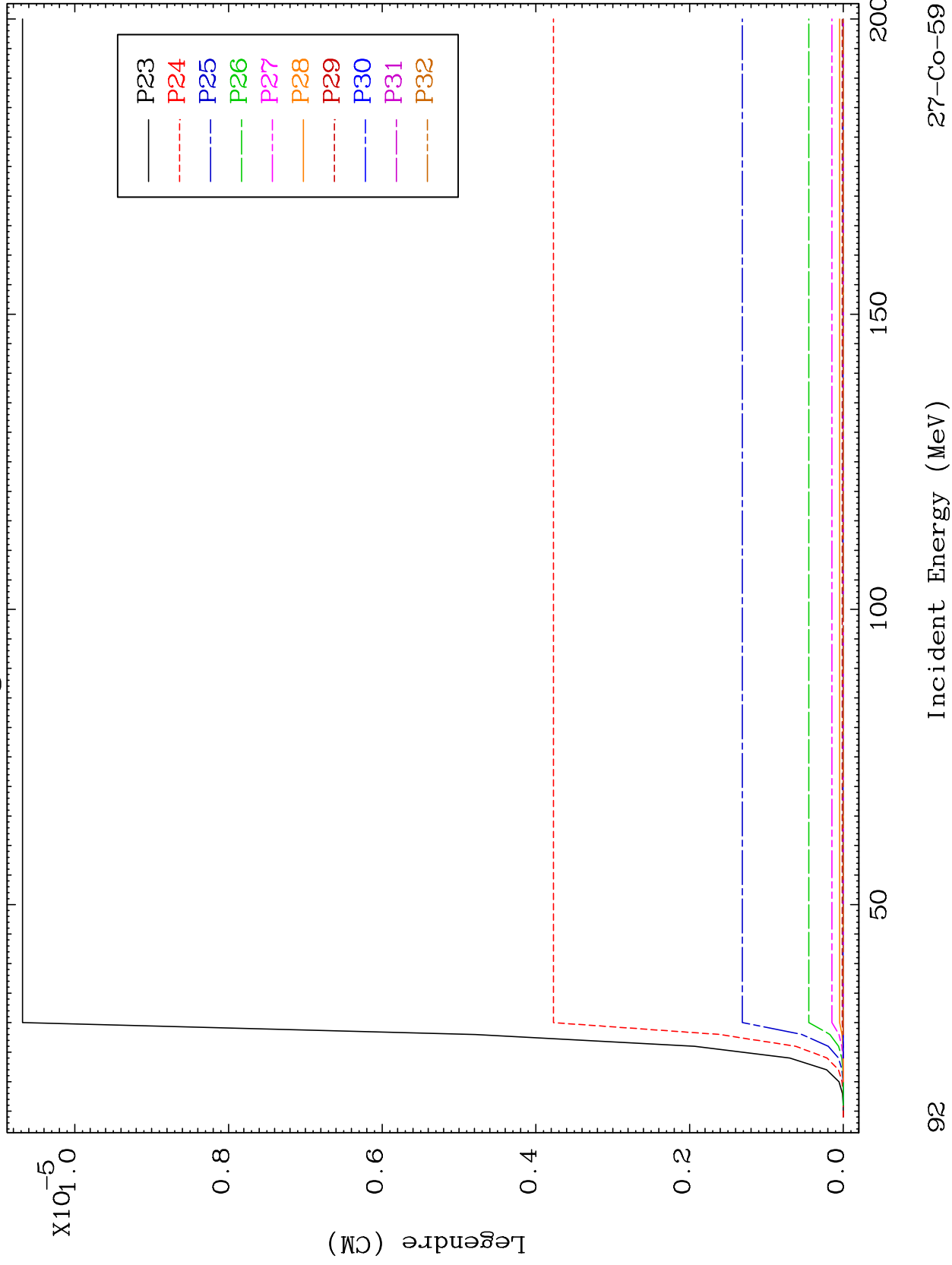
27-Co-59



MAT 2725

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

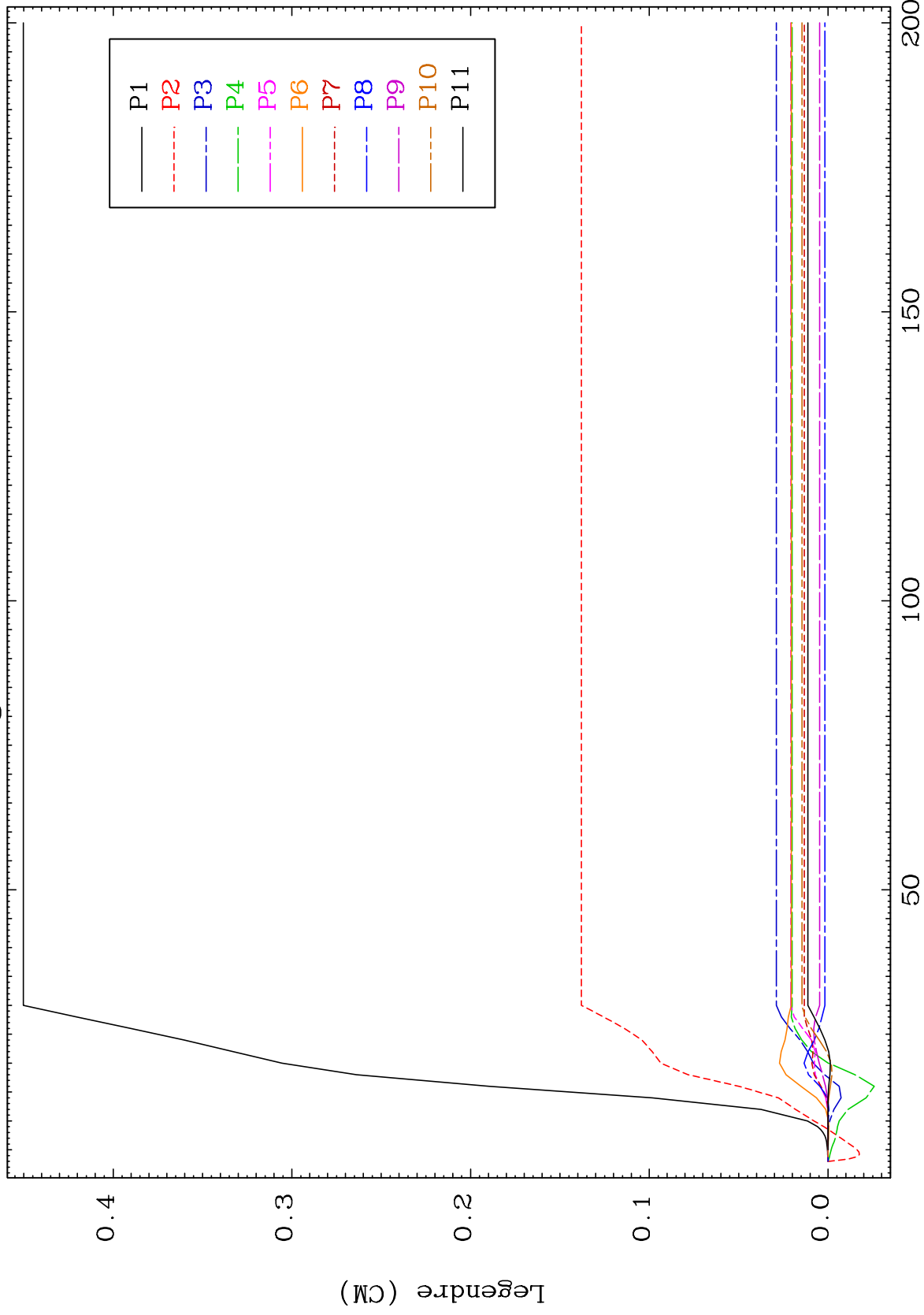
27-Co-59



MAT 2725

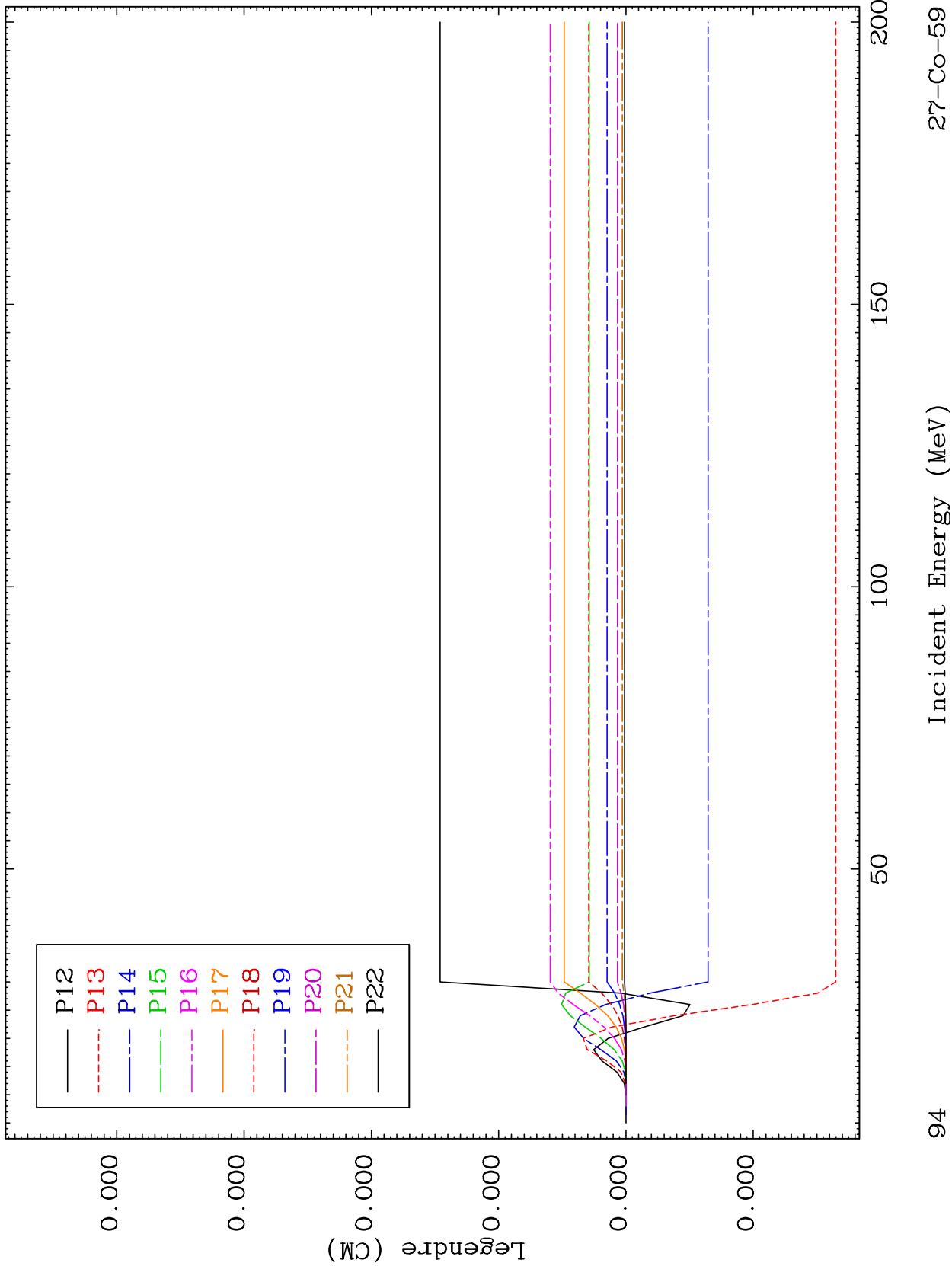
MT= 76 (n,n') Level
Legendre Coefficients

27-Co-59



93

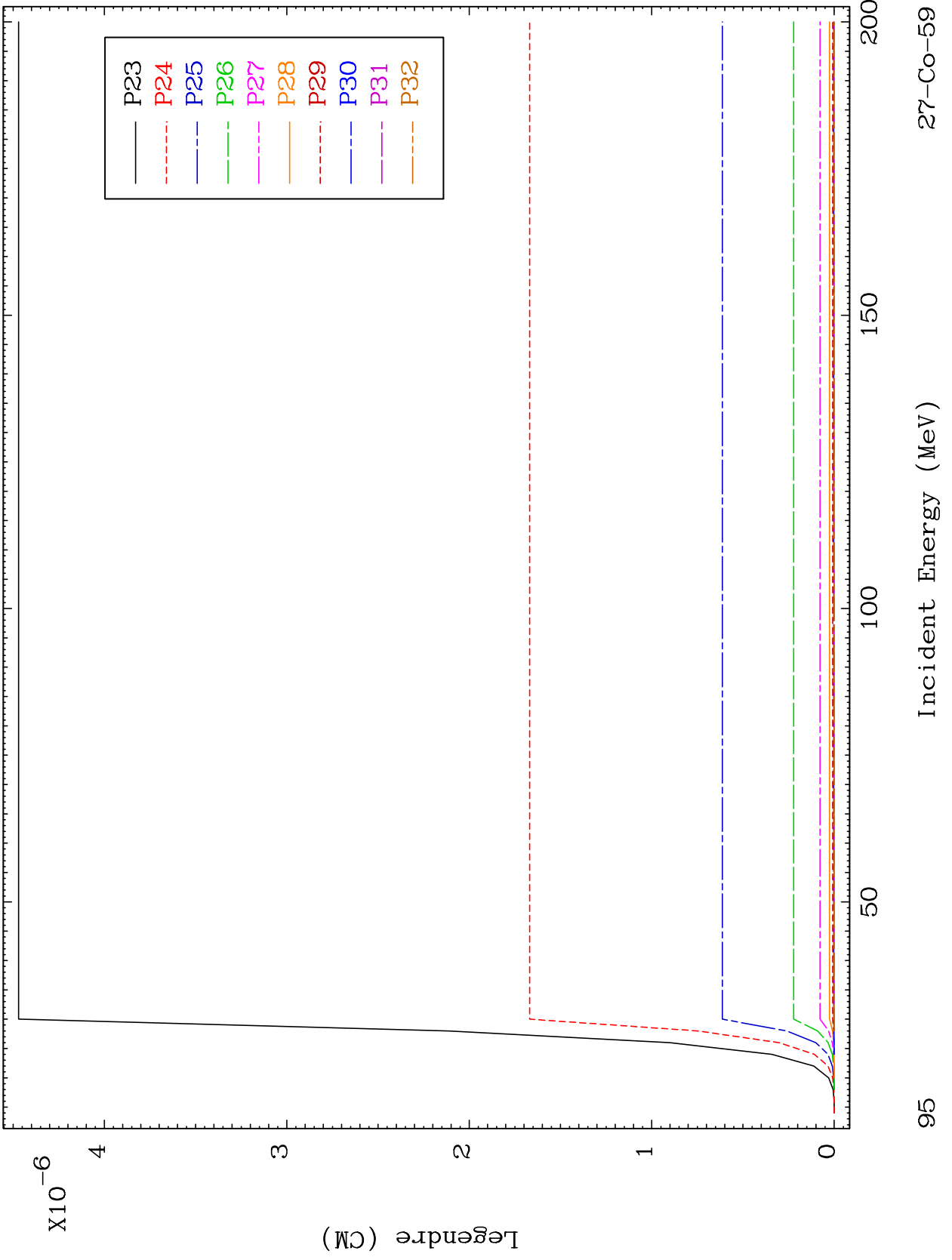
27-Co-59



MAT 2725

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

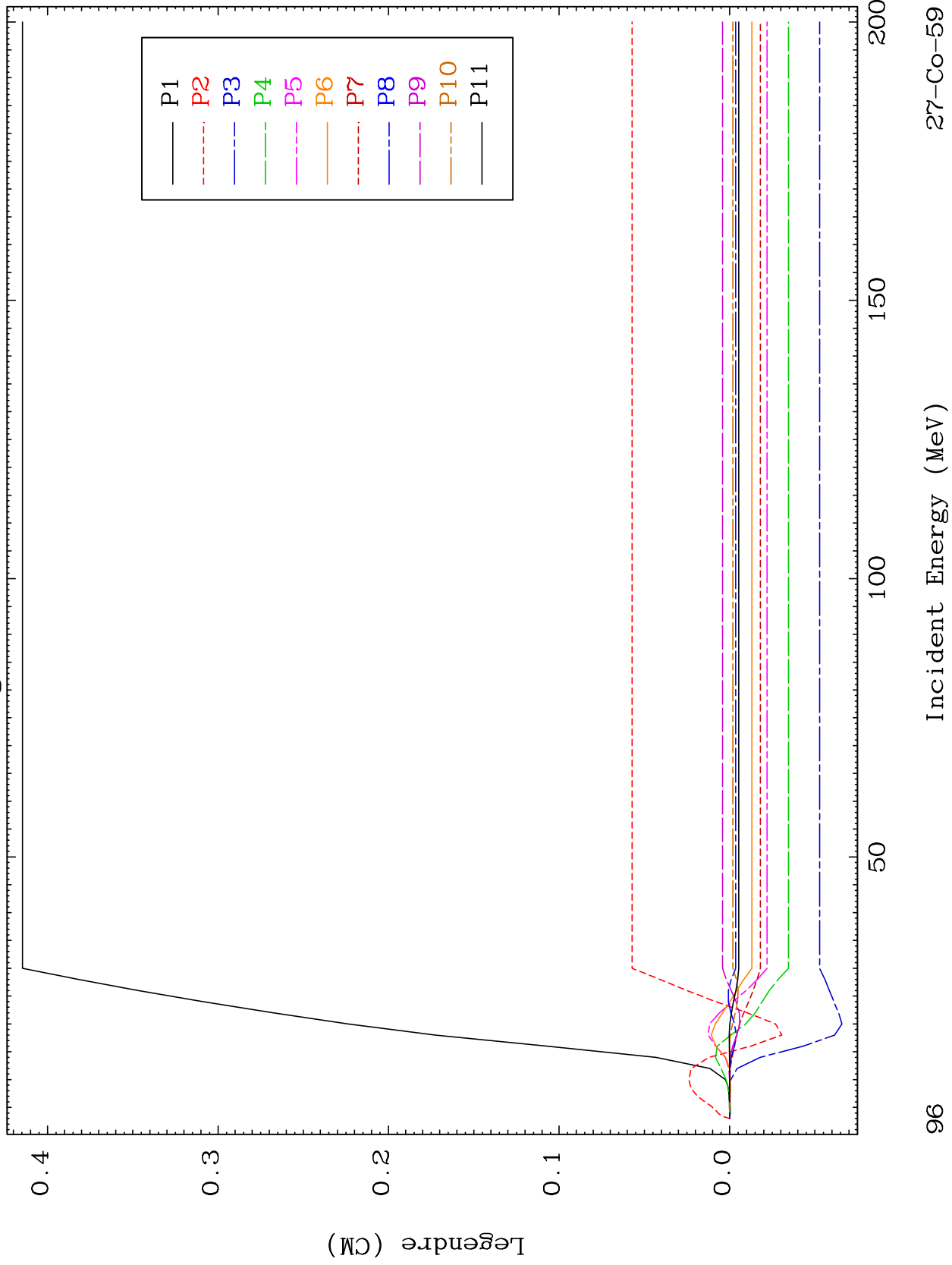
27-Co-59



95

Incident Energy (MeV)

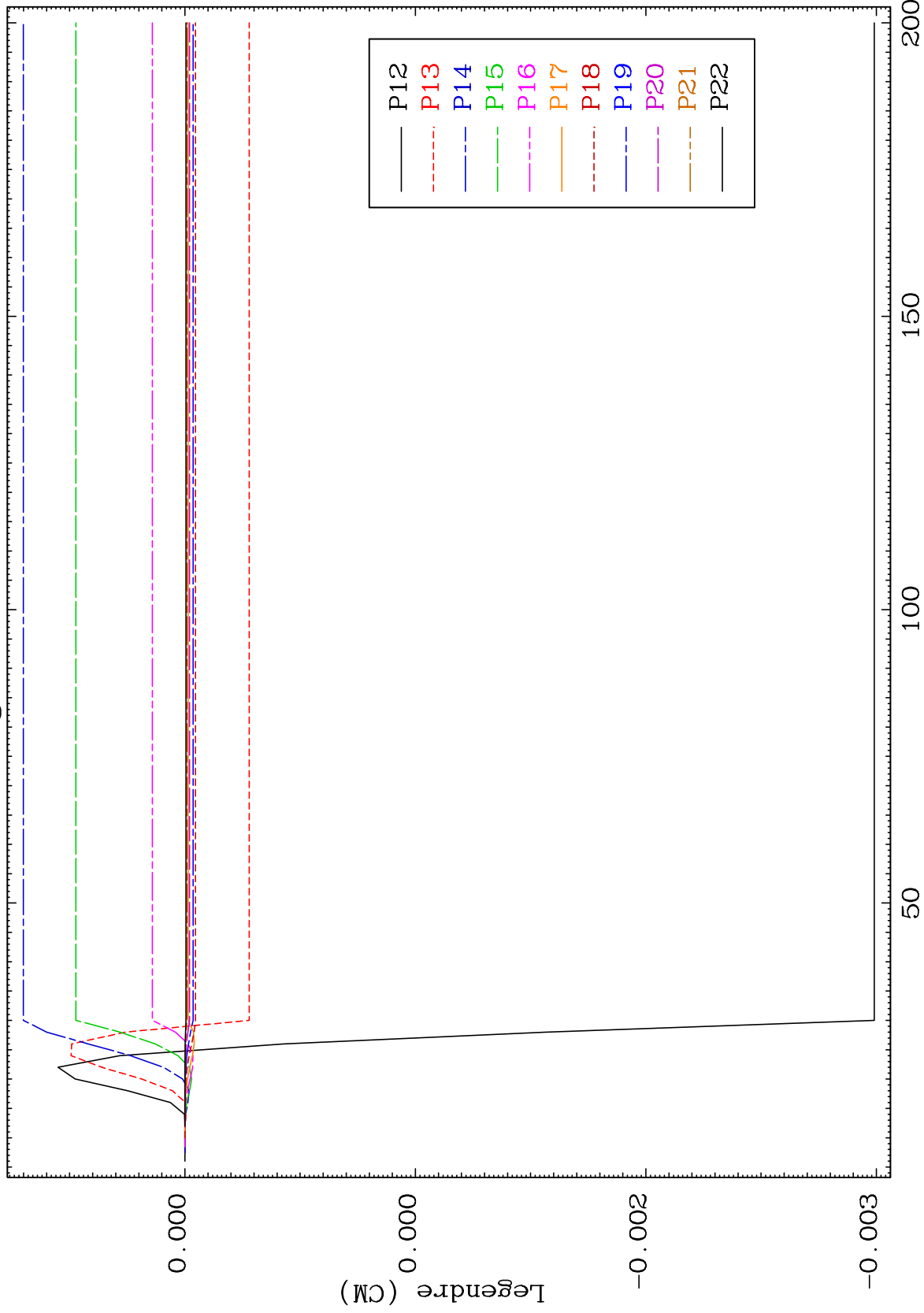
27-Co-59



MAT 2725

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

27-Co-59



97

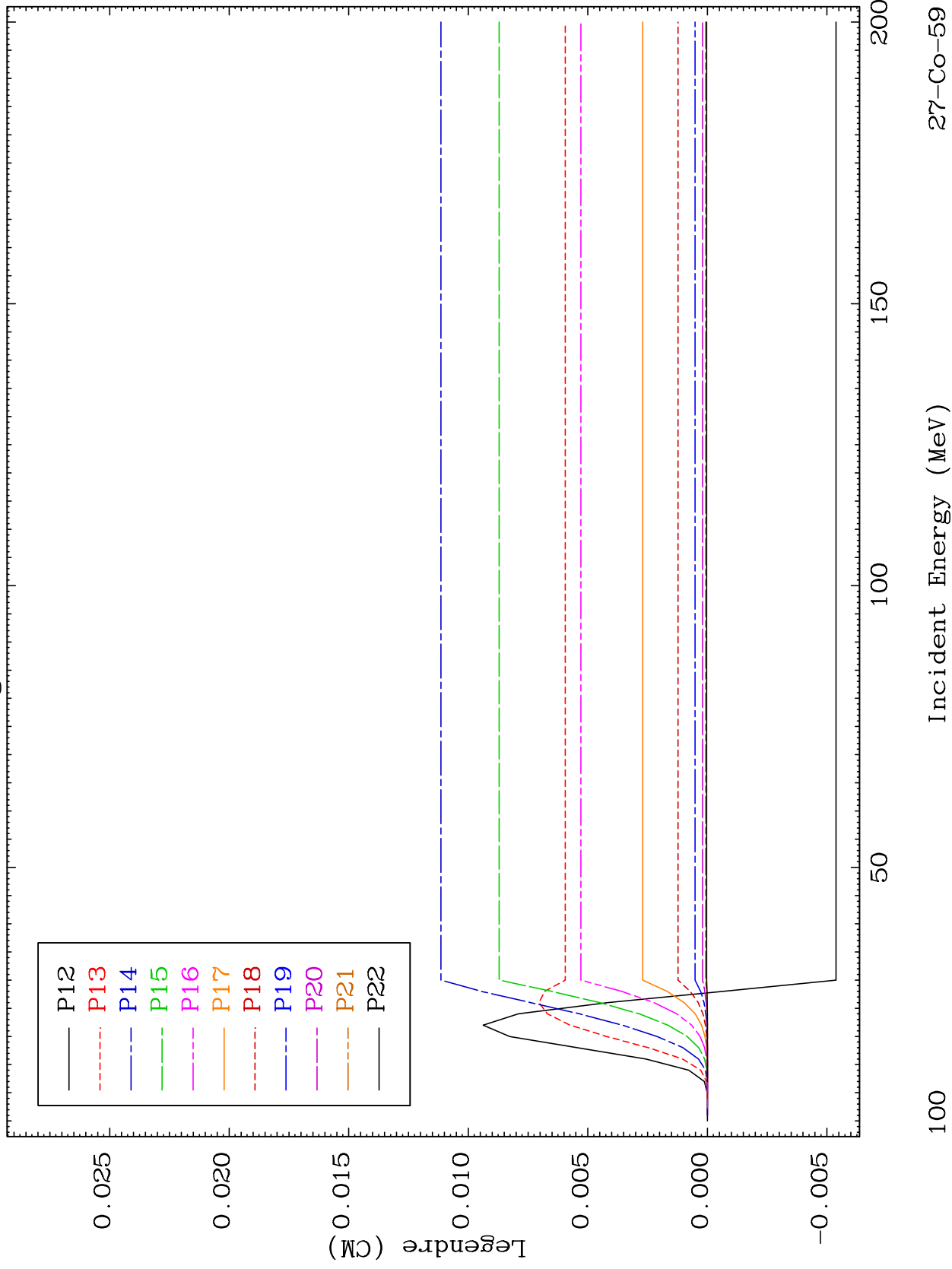
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



100

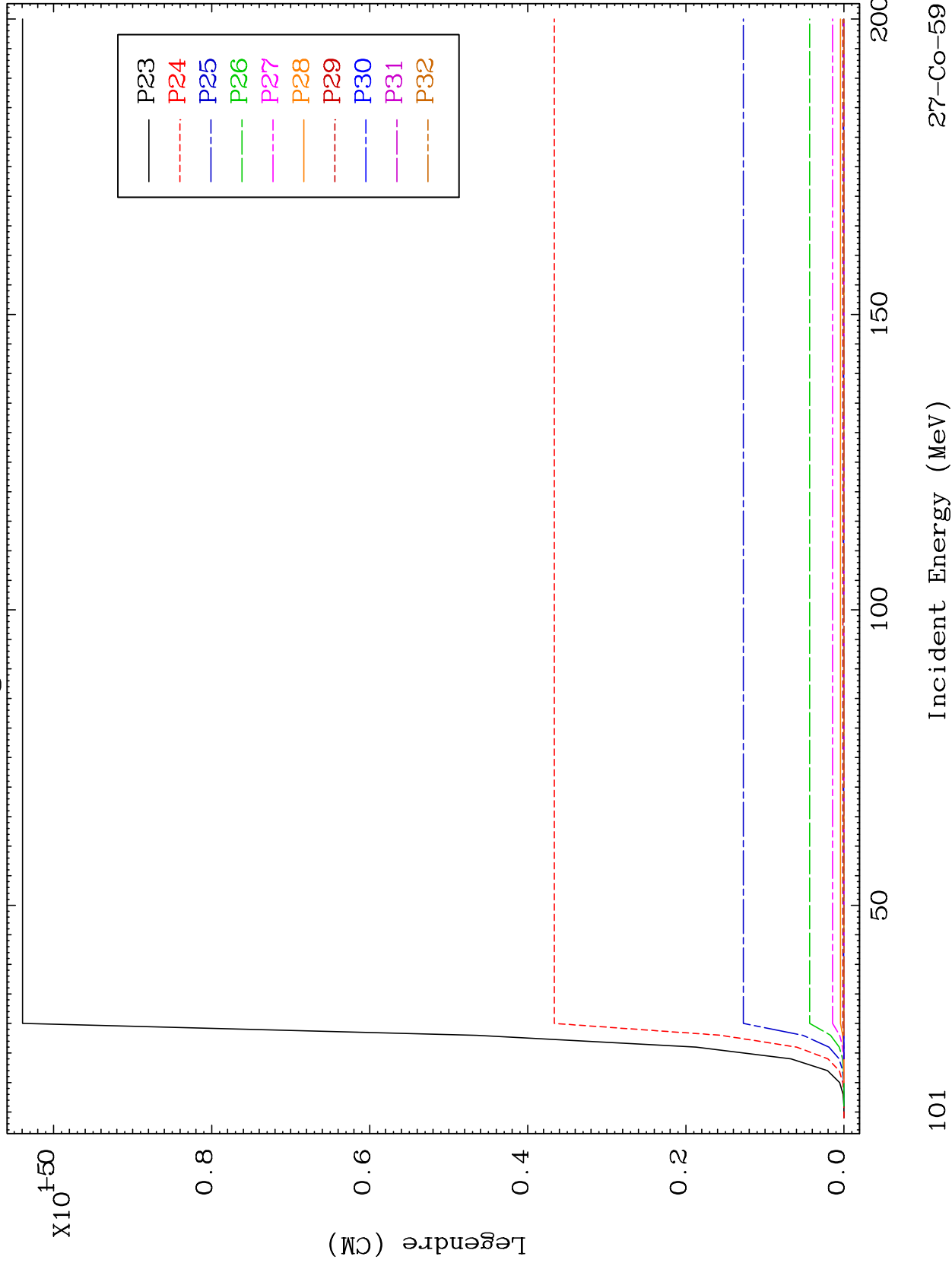
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



101

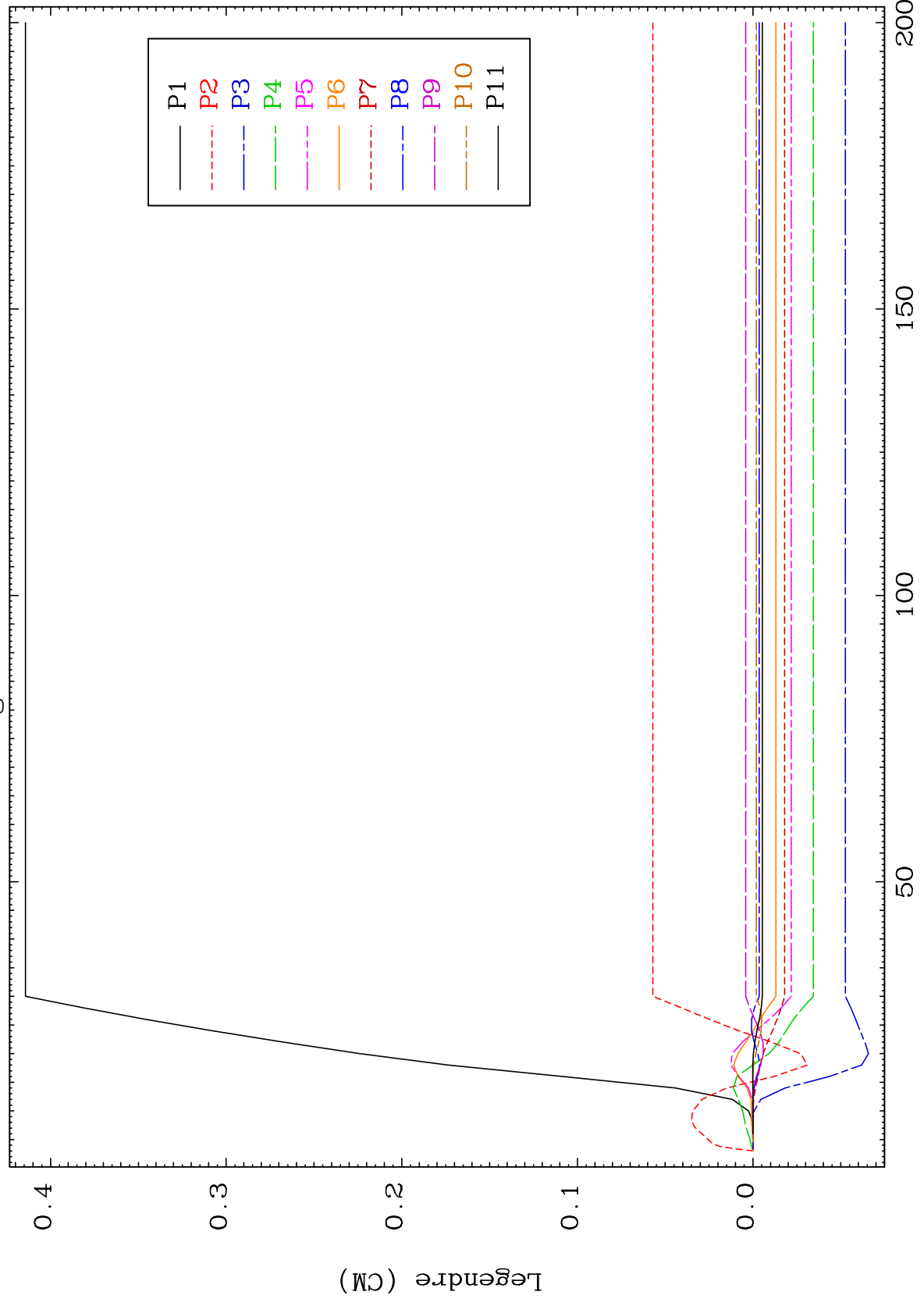
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



102

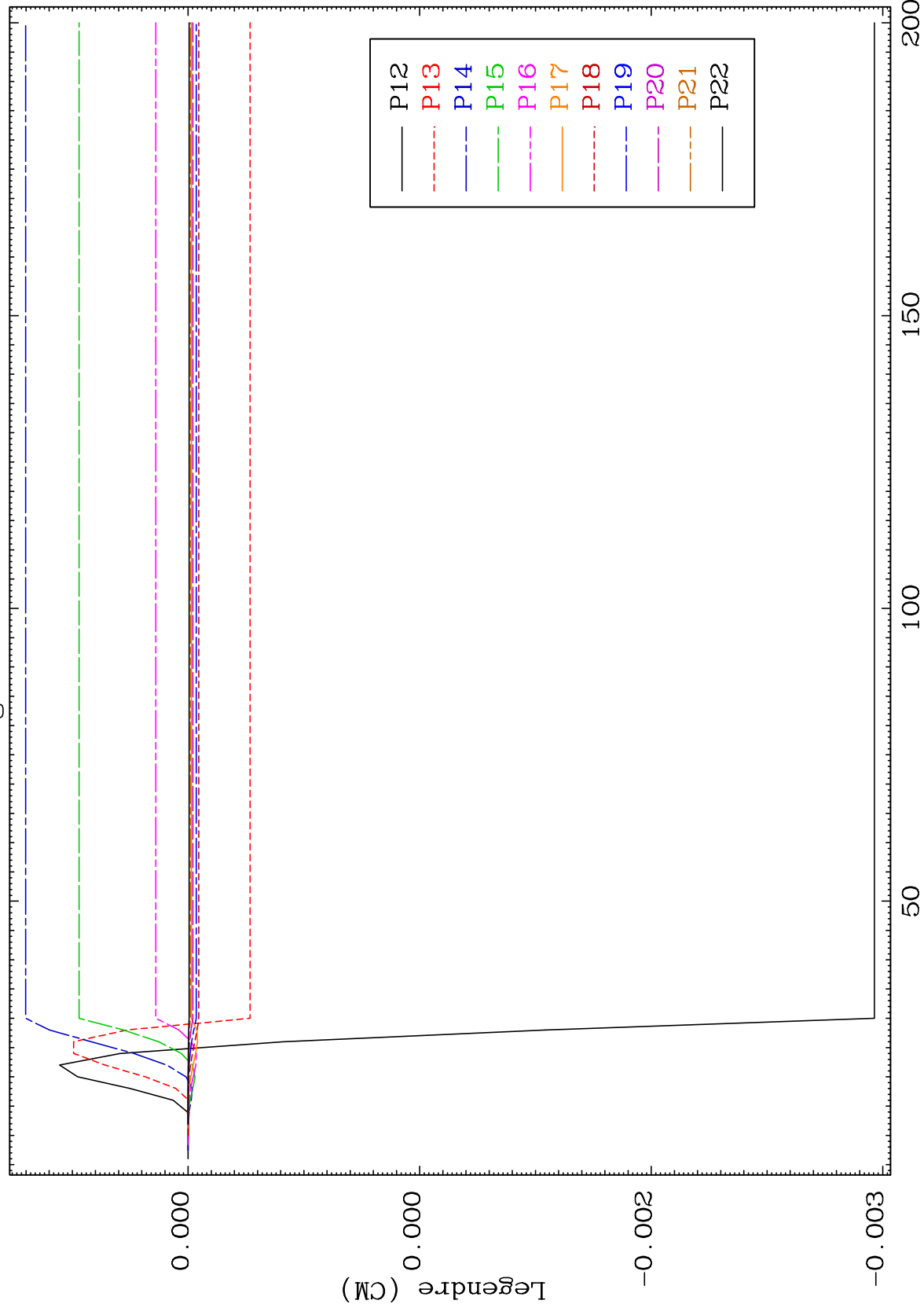
Incident Energy (MeV)

27-Co-59

MAT 2725

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

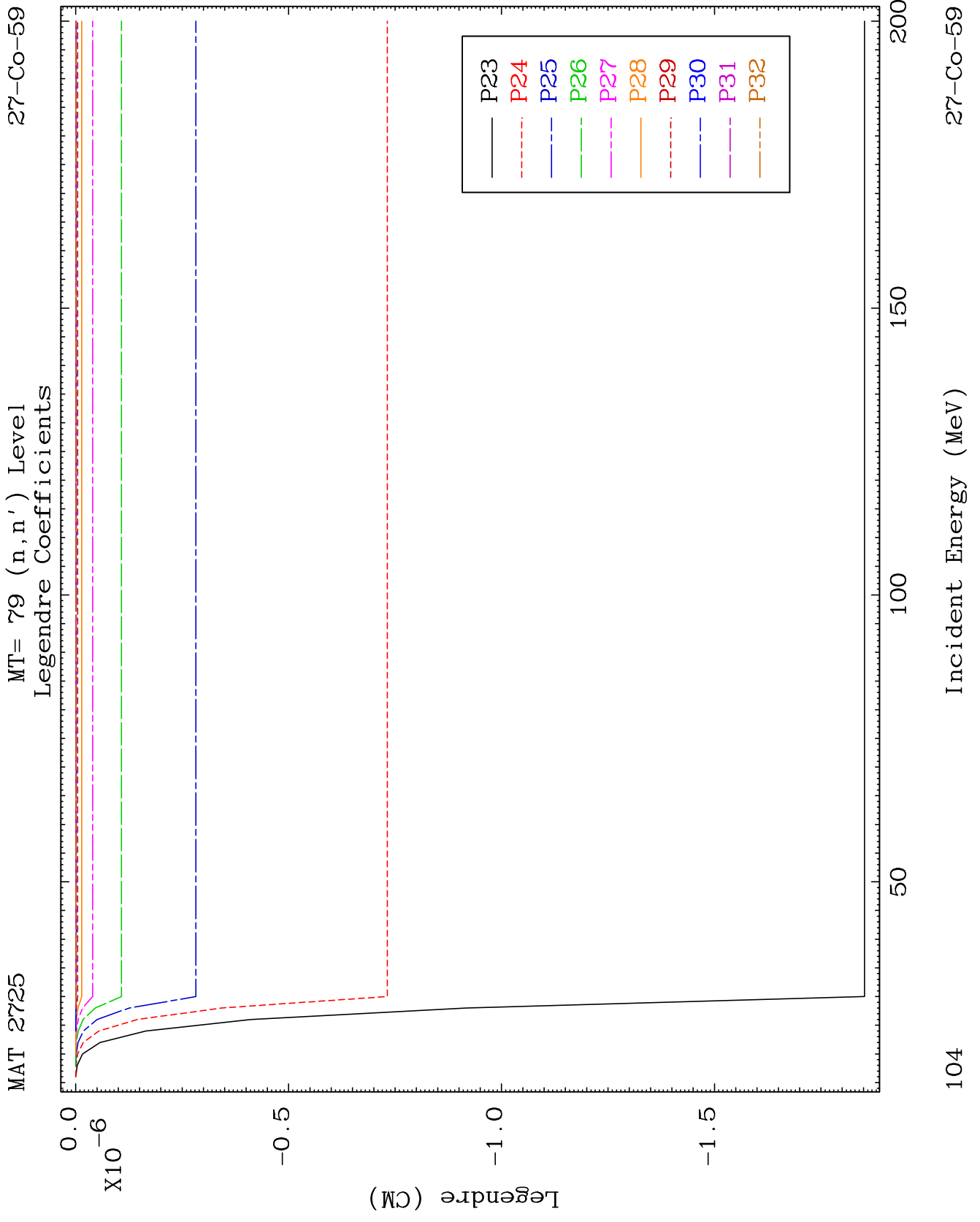
27-Co-59



103

Incident Energy (MeV)

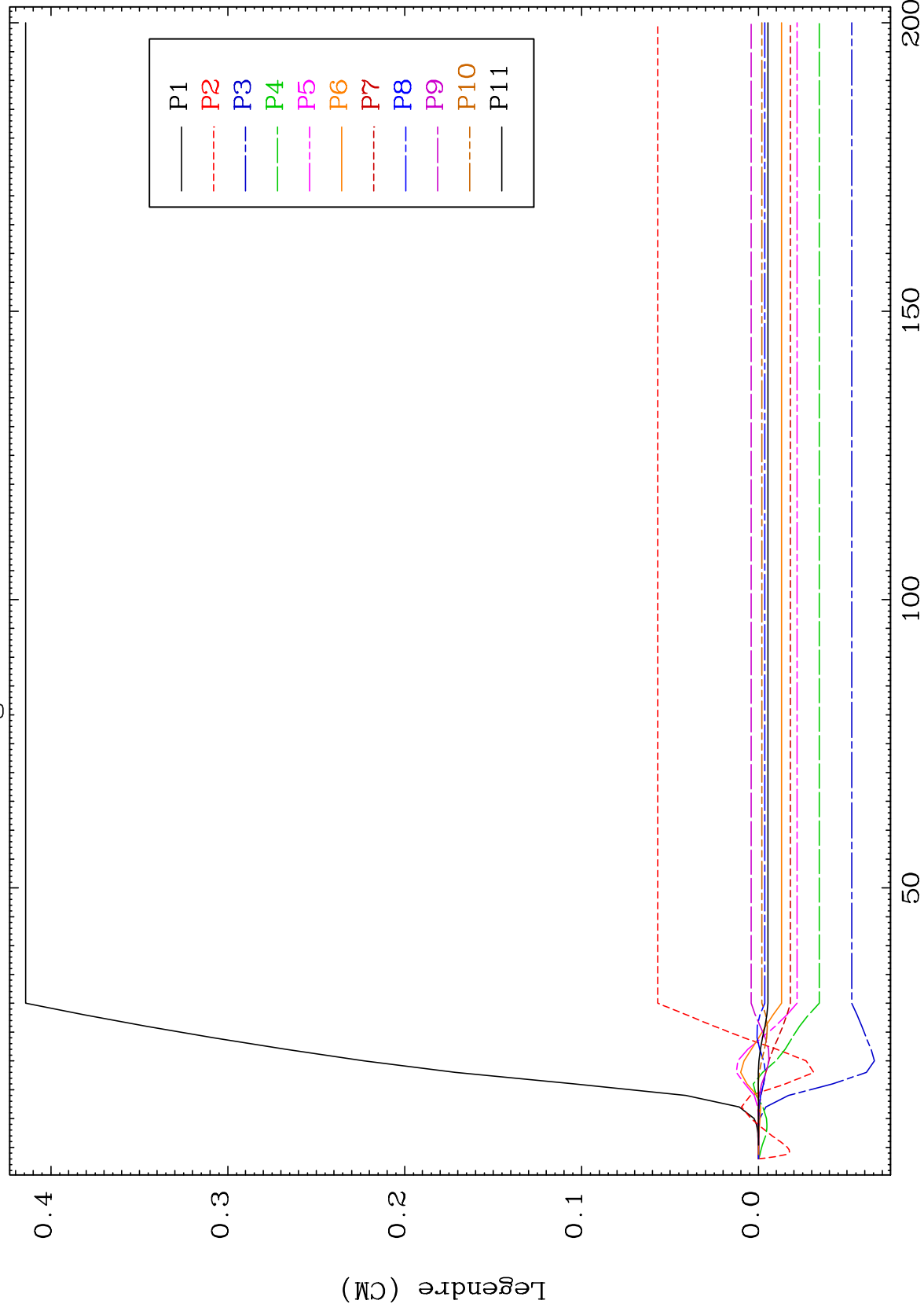
27-Co-59



MAT 2725

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

27-Co-59



105

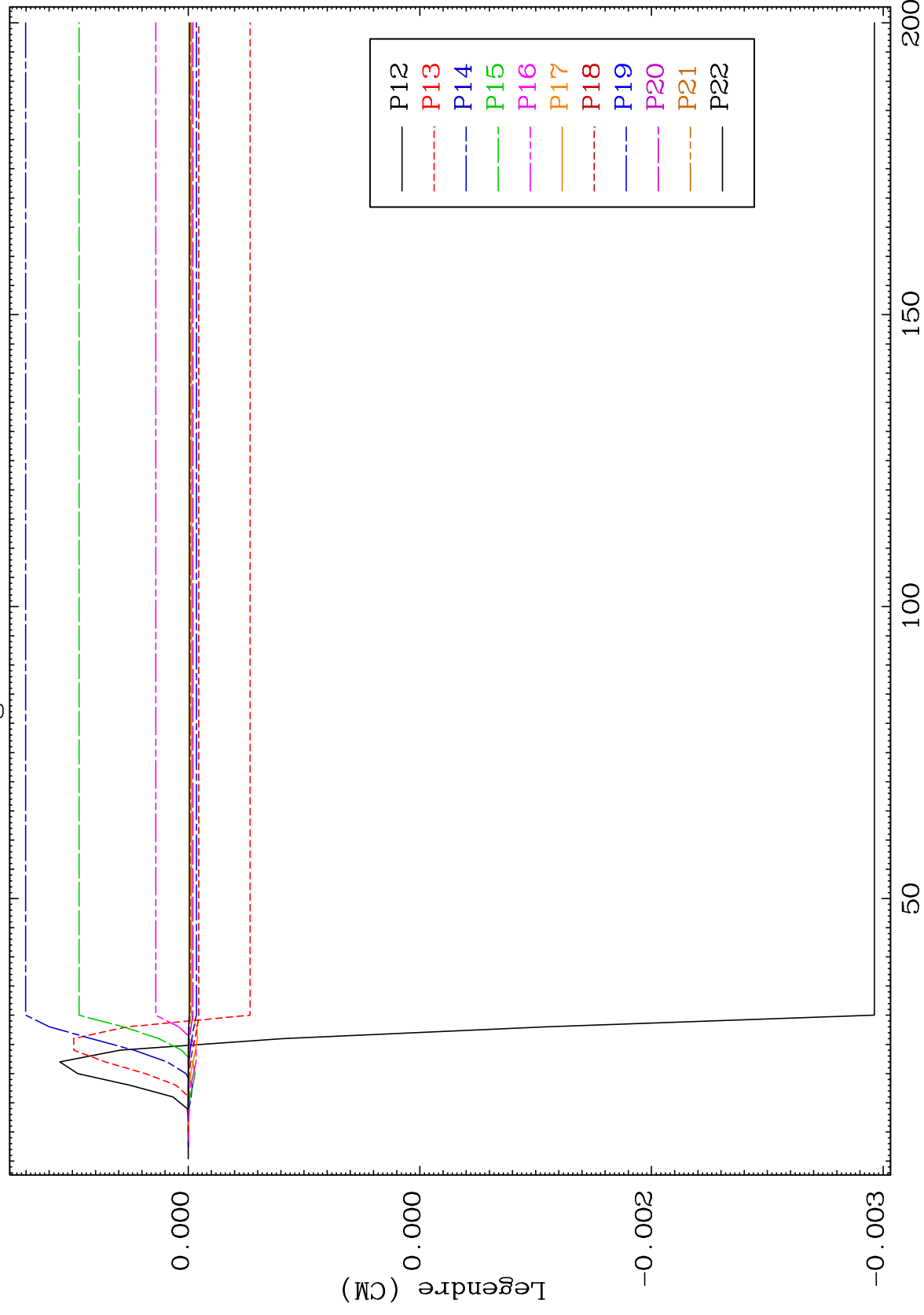
Incident Energy (MeV)

27-Co-59

MAT 2725

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

27-Co-59



106

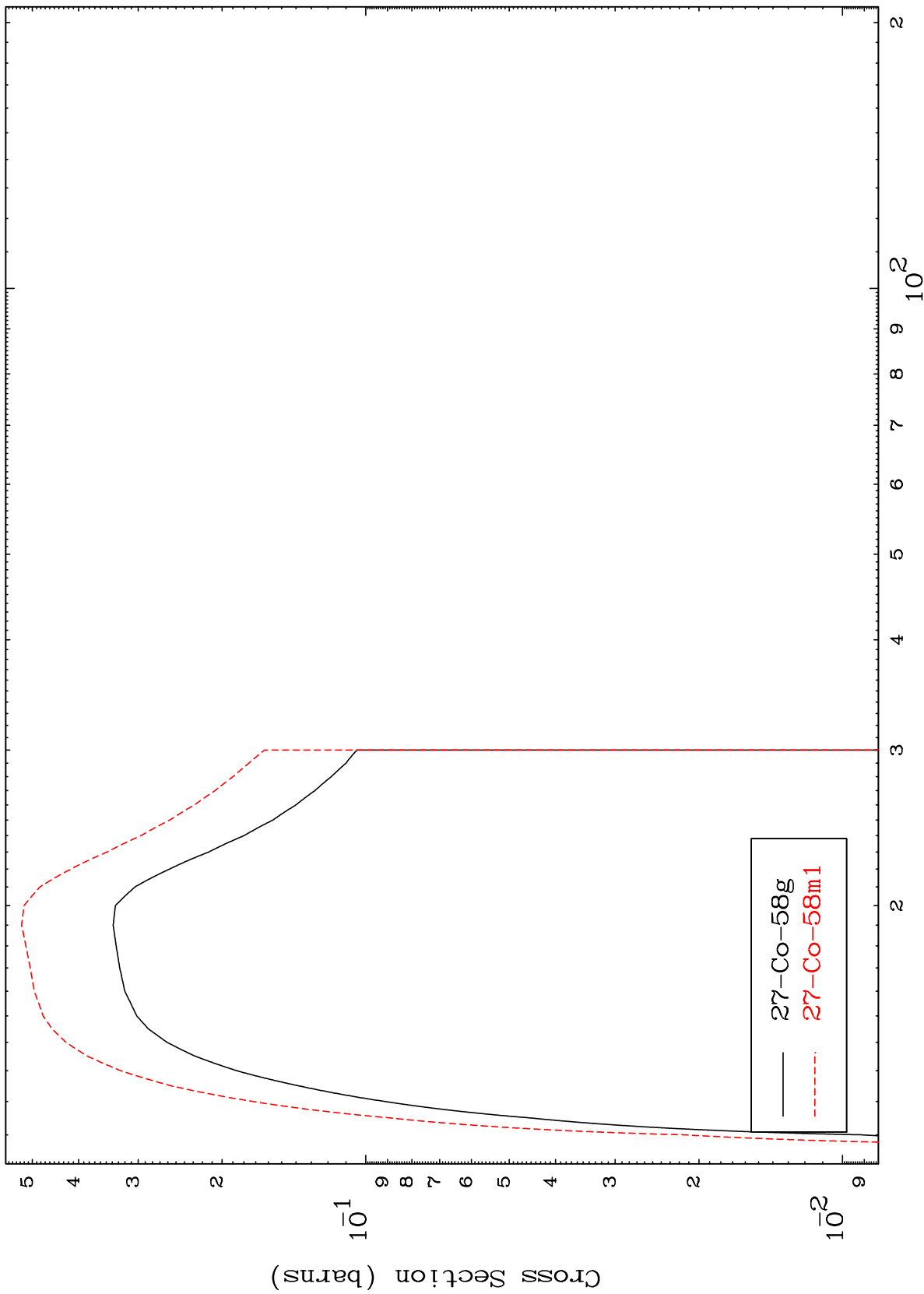
Incident Energy (MeV)

27-Co-59

MAT 2725

27-Co-59

(n,2n)
Radionuclide Production Cross Section



108

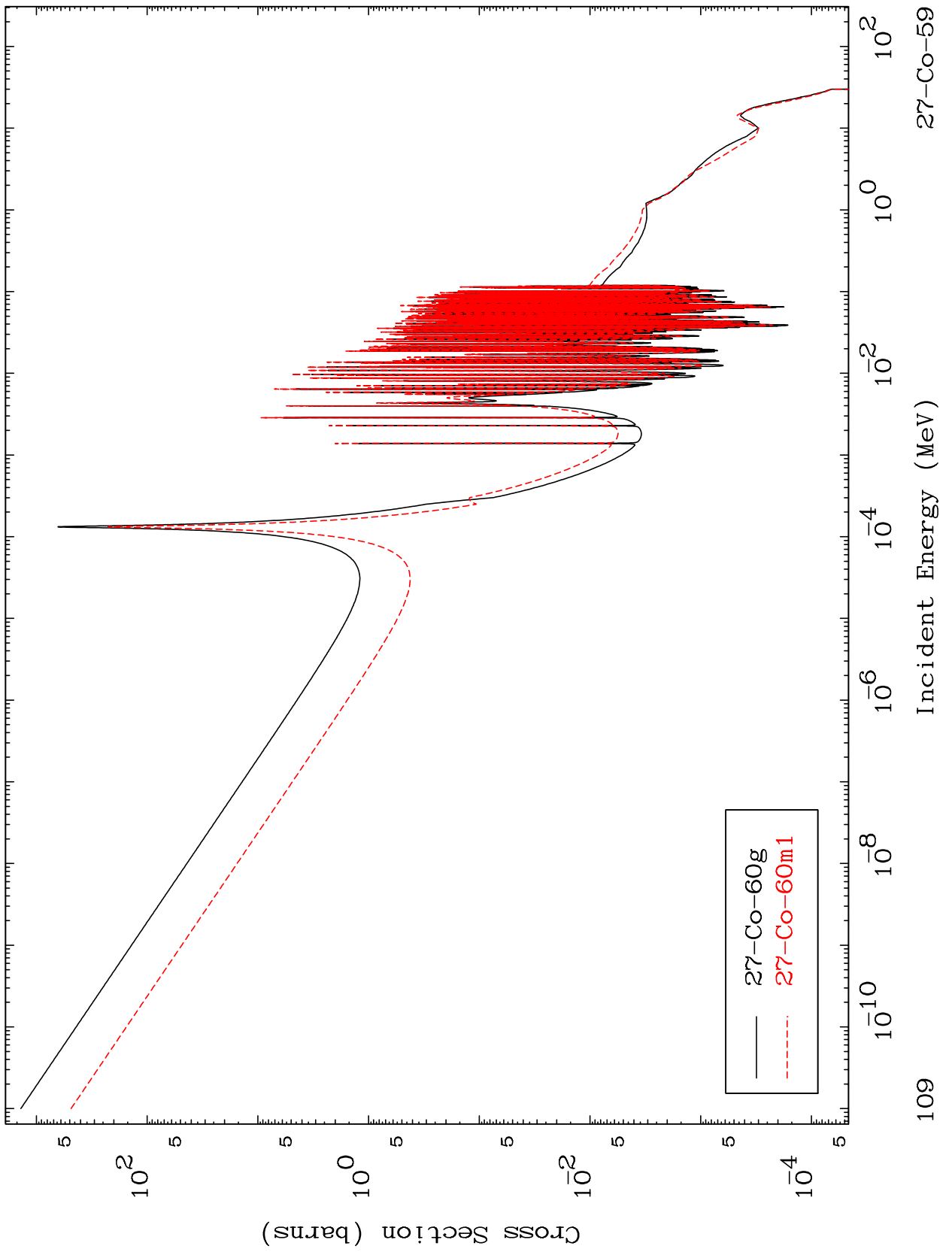
27-Co-59

Incident Energy (MeV)

MAT 2725

27-Co-59

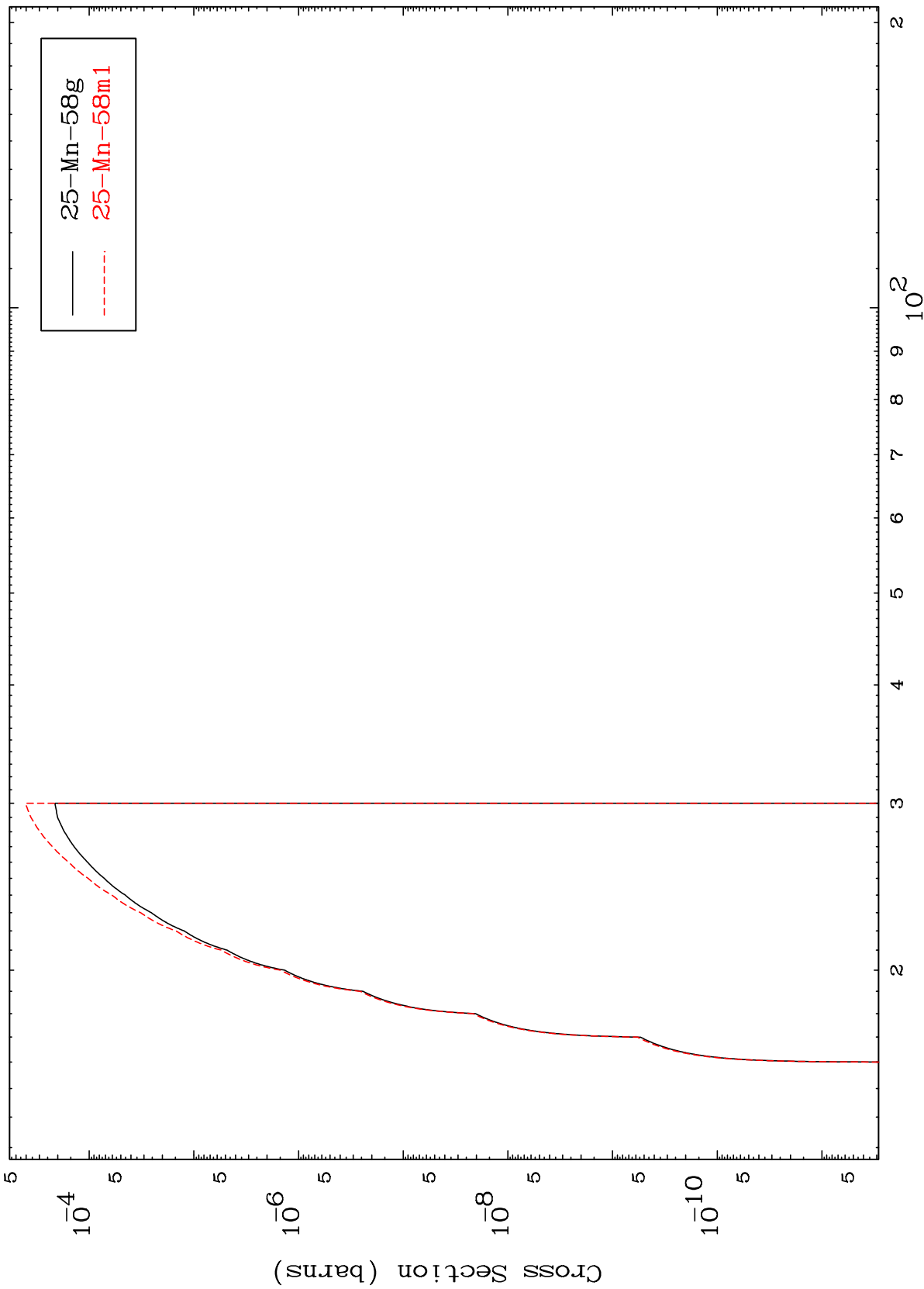
(n, γ)
Radionuclide Production Cross Section



MAT 2725

27-Co-59

(n,2p)
Radionuclide Production Cross Section



110

Incident Energy (MeV)

27-Co-59