

Program EVALPLOT
(Version 2021-1)

by

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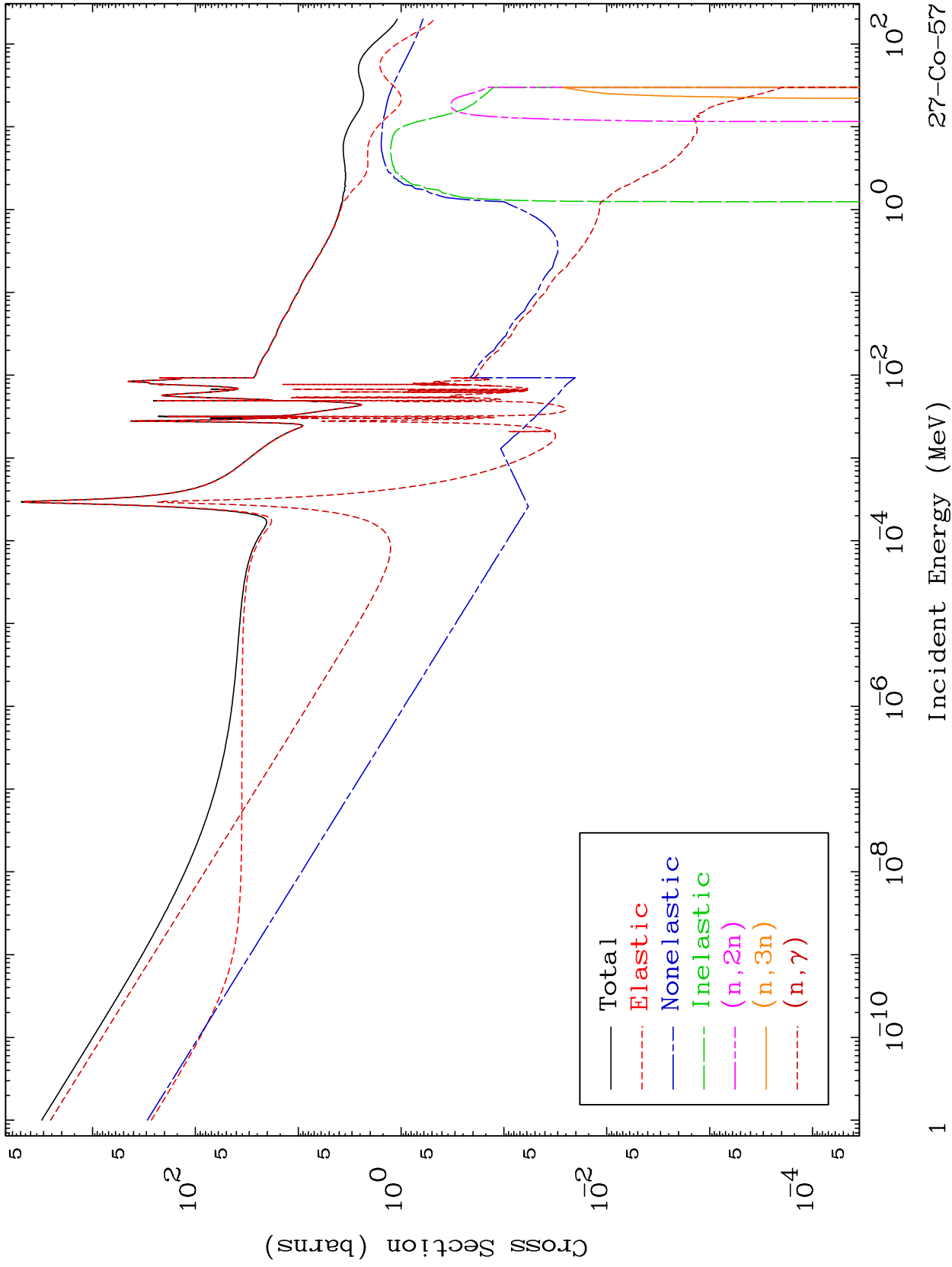
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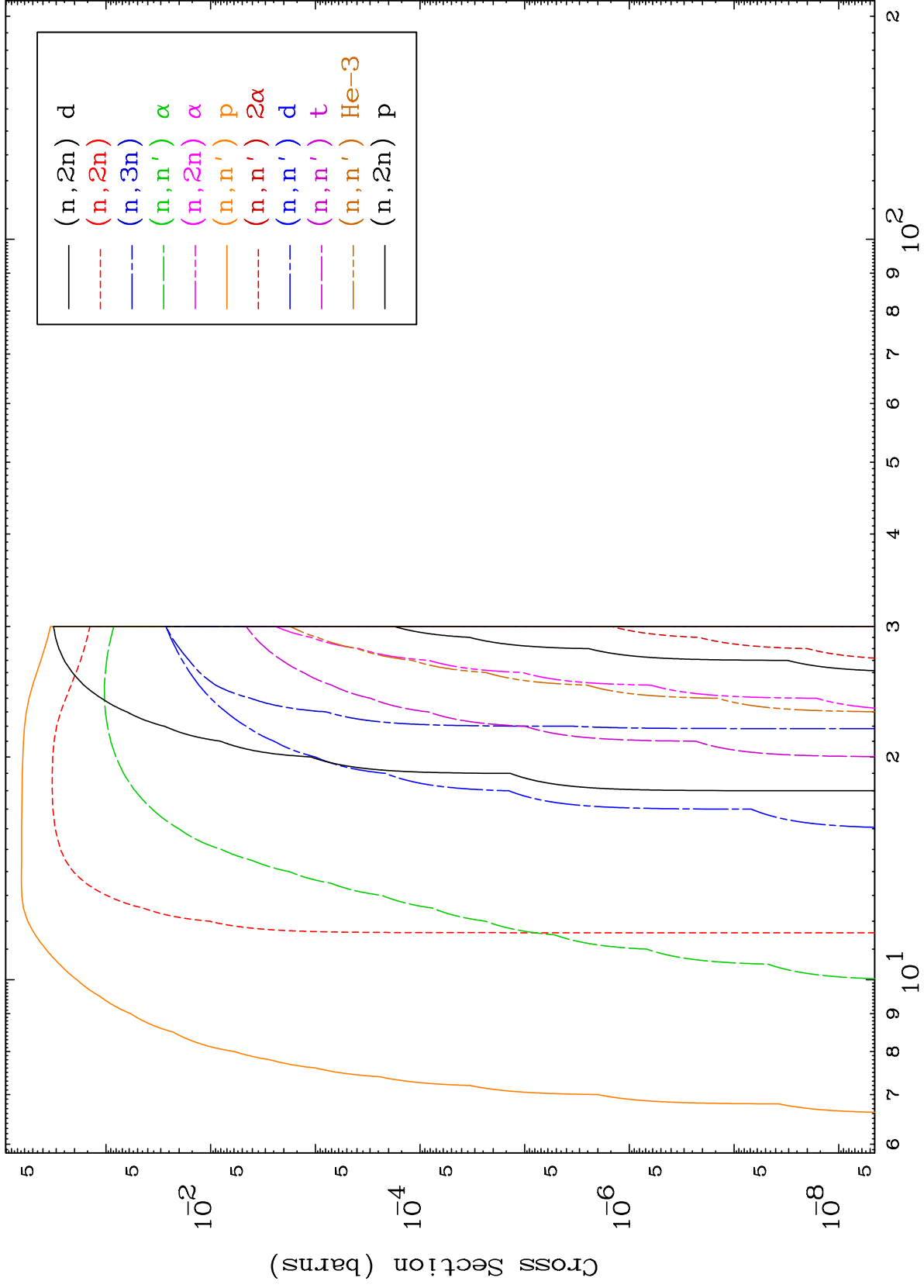
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MAT 2719

Neutron Major
293 Kelvin Cross Sections

27-Co-57

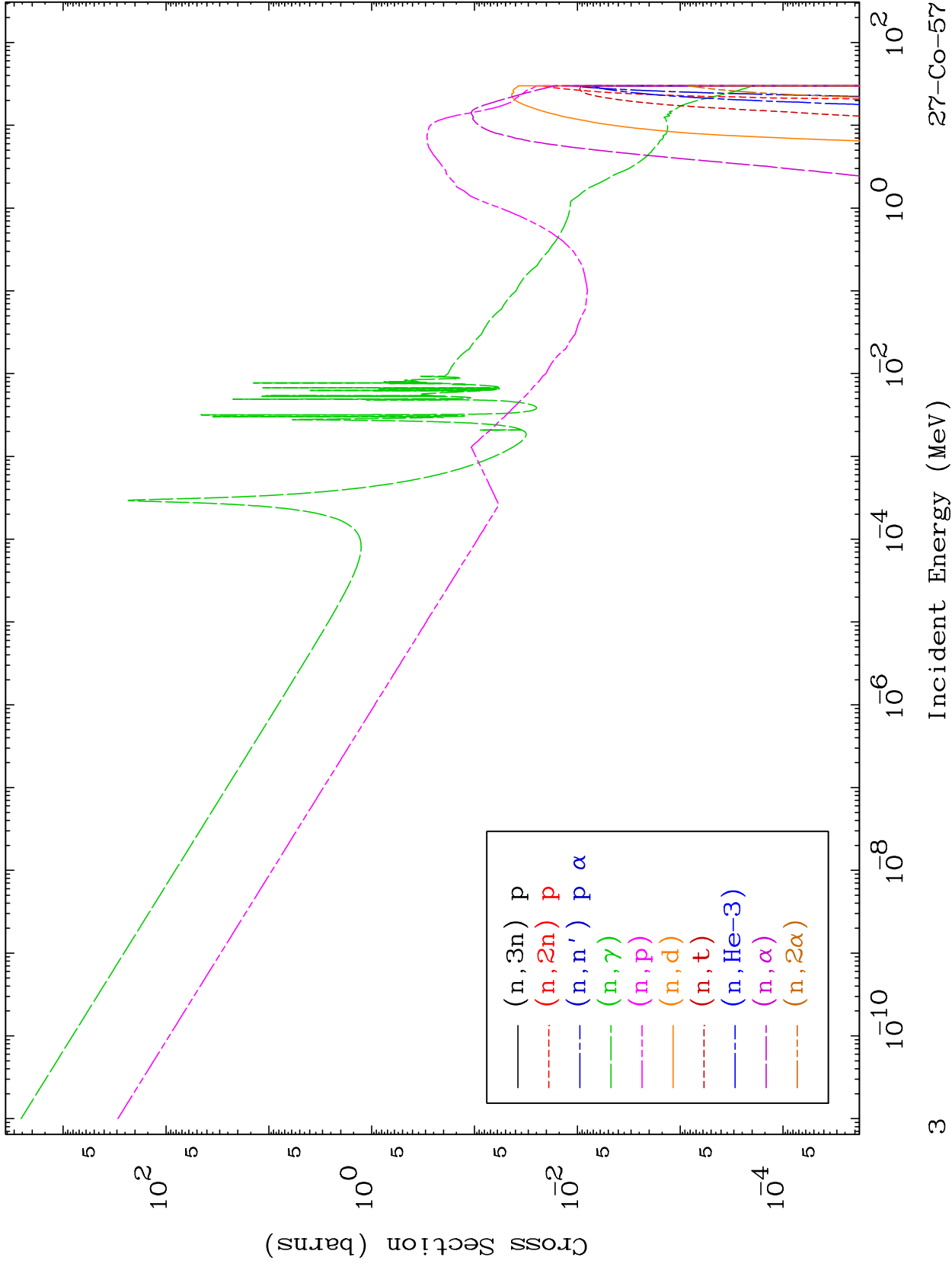




MAT 2719

Neutron Absorption
293 Kelvin Cross Sections

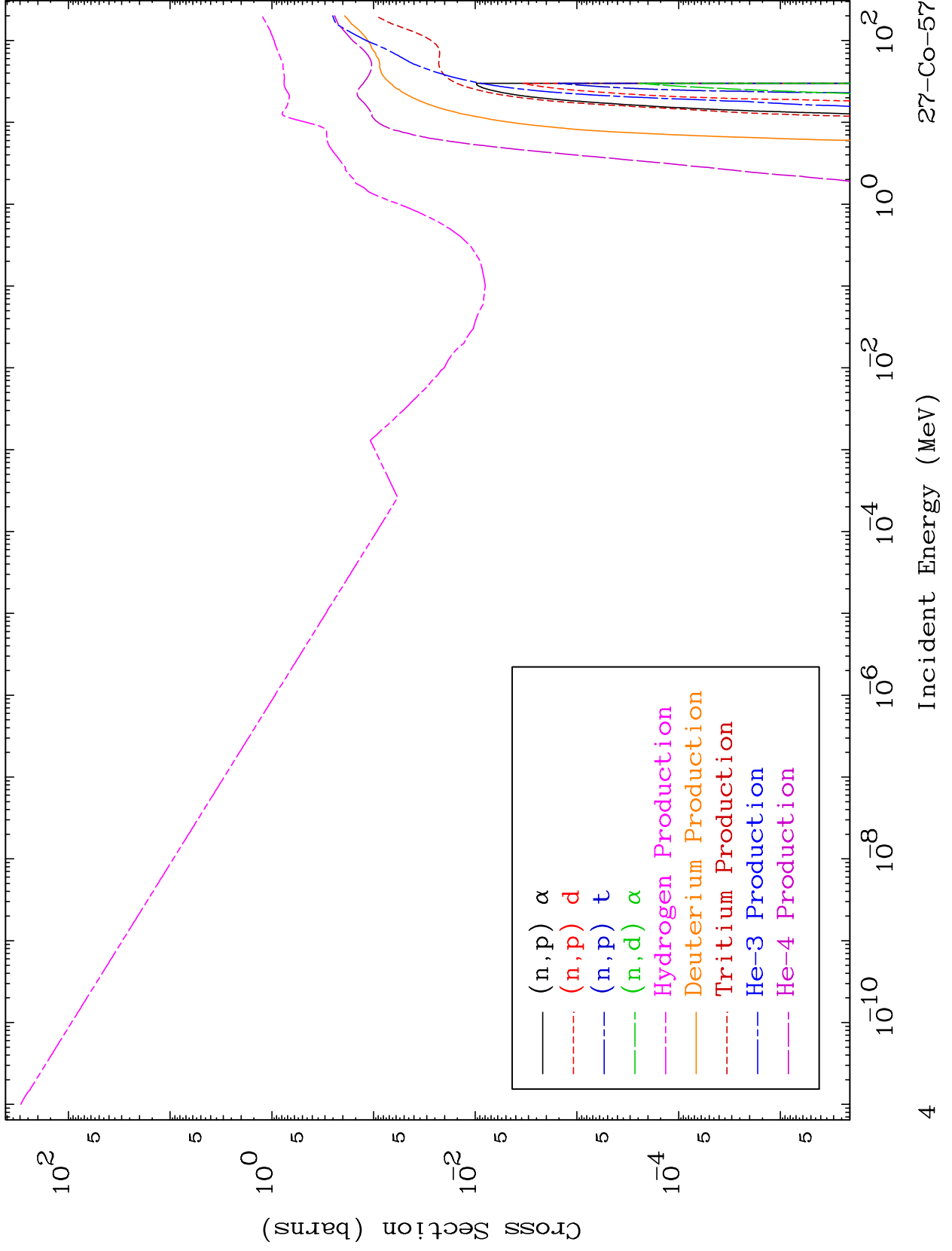
27-Co-57



MAT 2719

Neutron Absorption
293 Kelvin Cross Sections

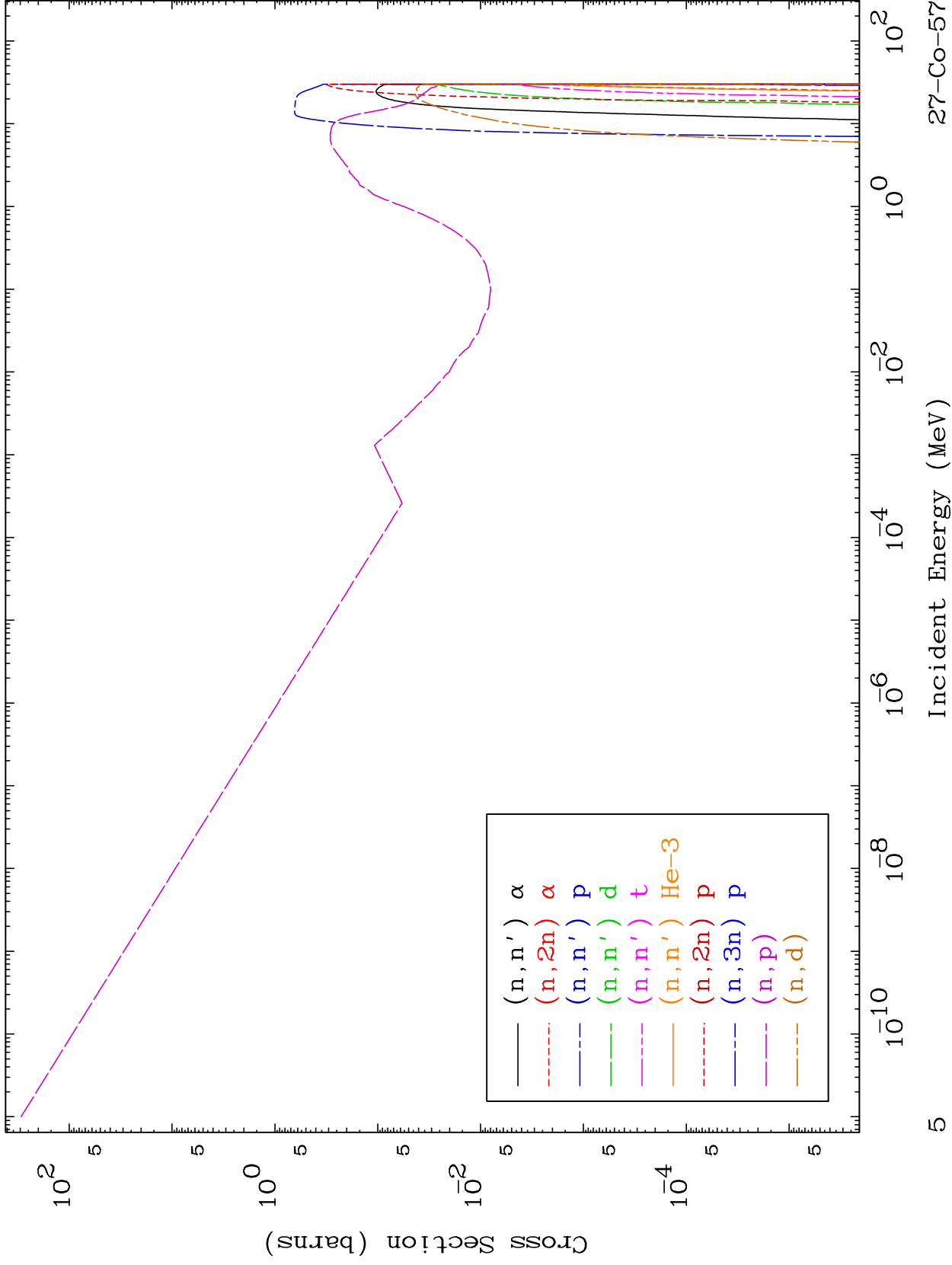
27-Co-57



MAT 2719

Charged Particle
293 Kelvin Cross Sections

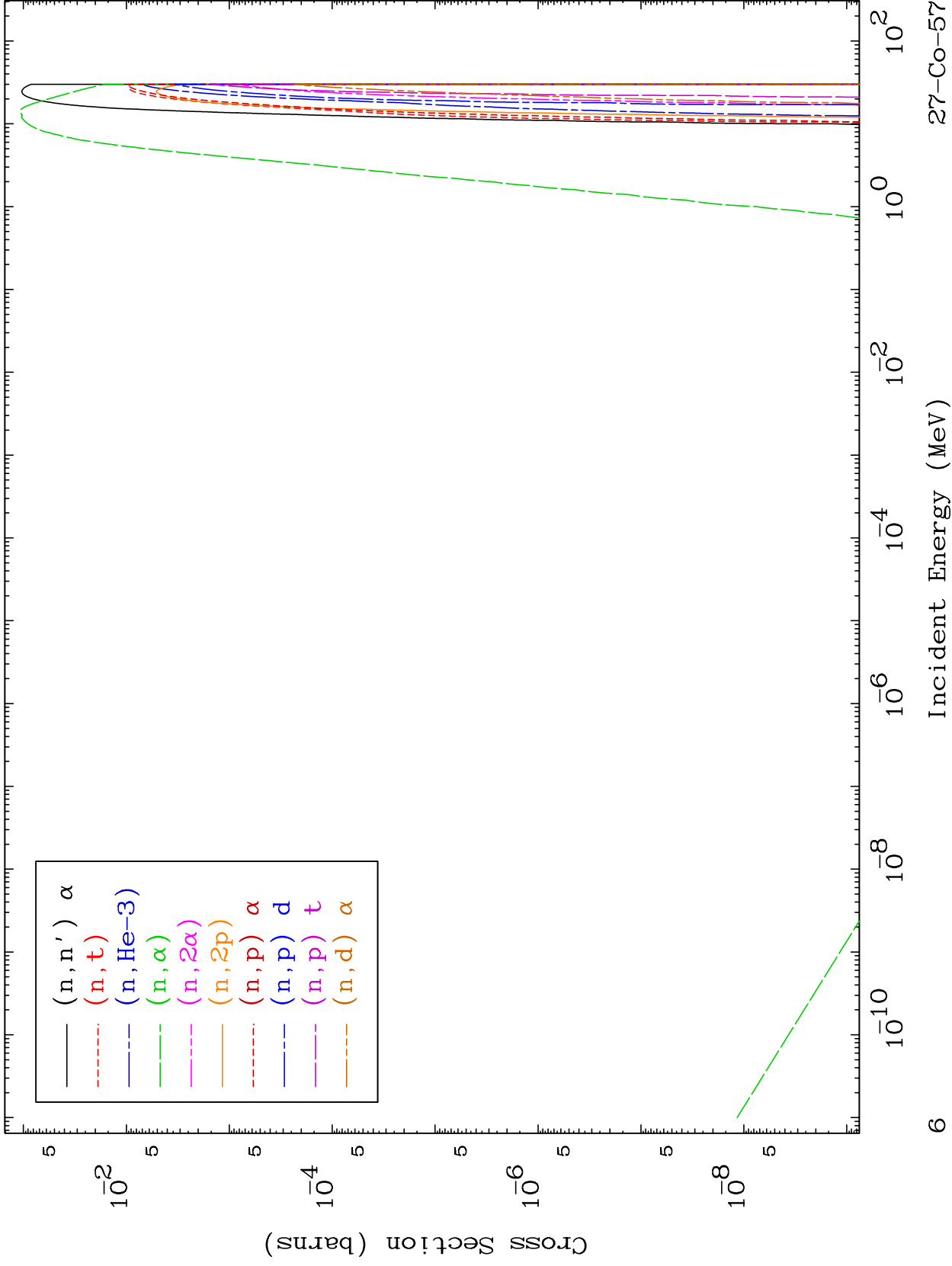
27-Co-57



MAT 2719

Charged Particle
293 Kelvin Cross Sections

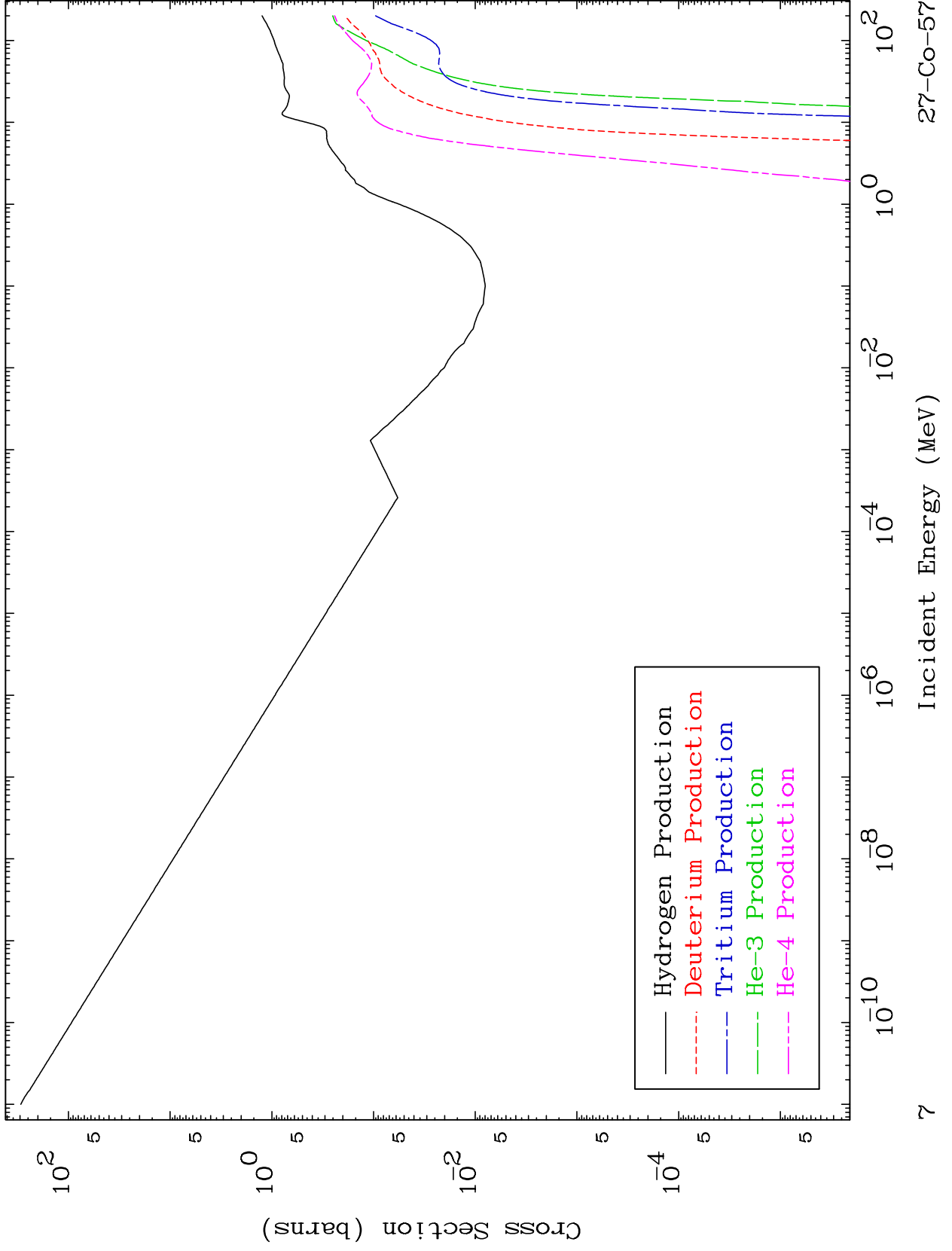
27-Co-57



MAT 2719

Particle Production
293 Kelvin Cross Sections

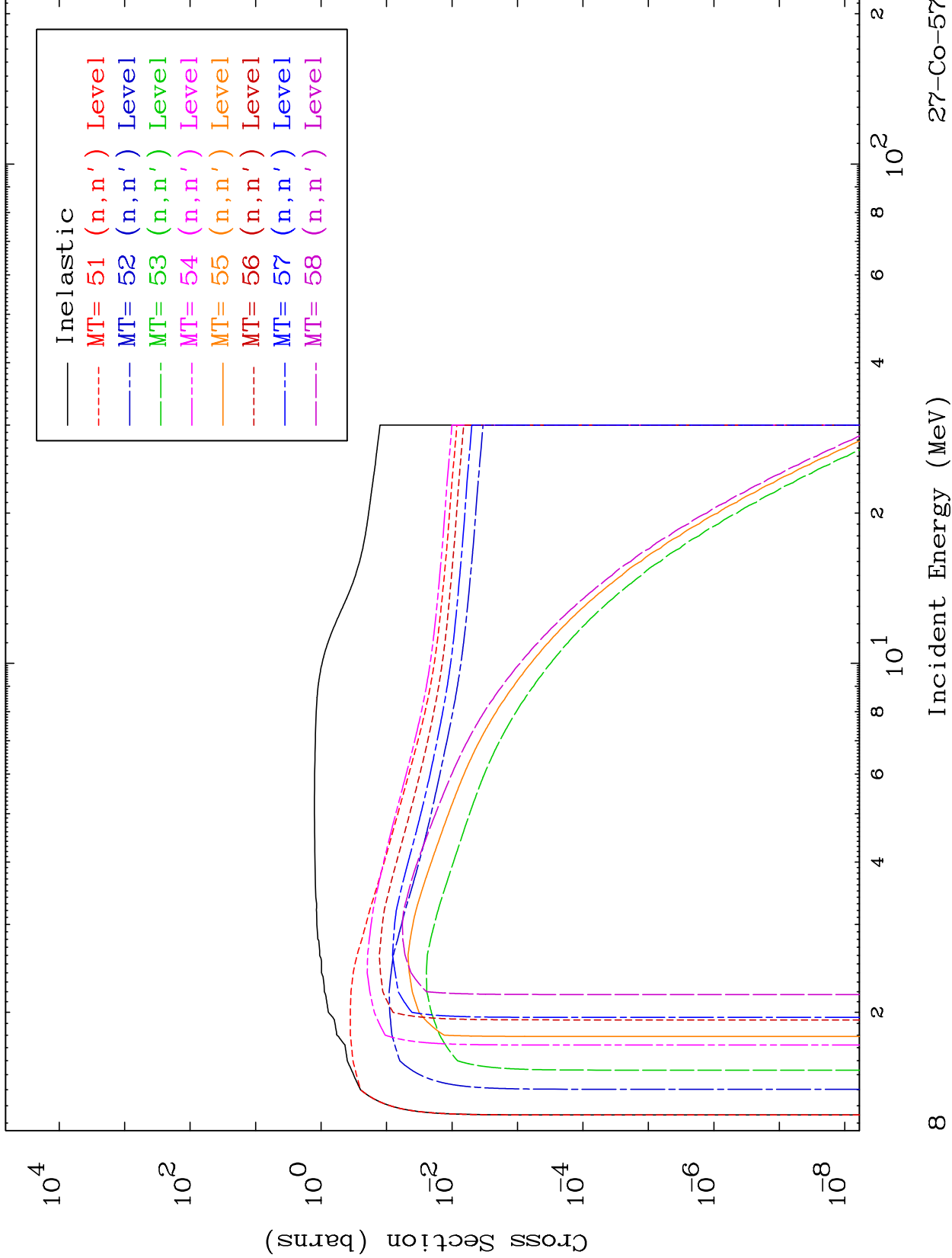
27-Co-57



MAT 2719

(n,n') Levels
293 Kelvin Cross Sections

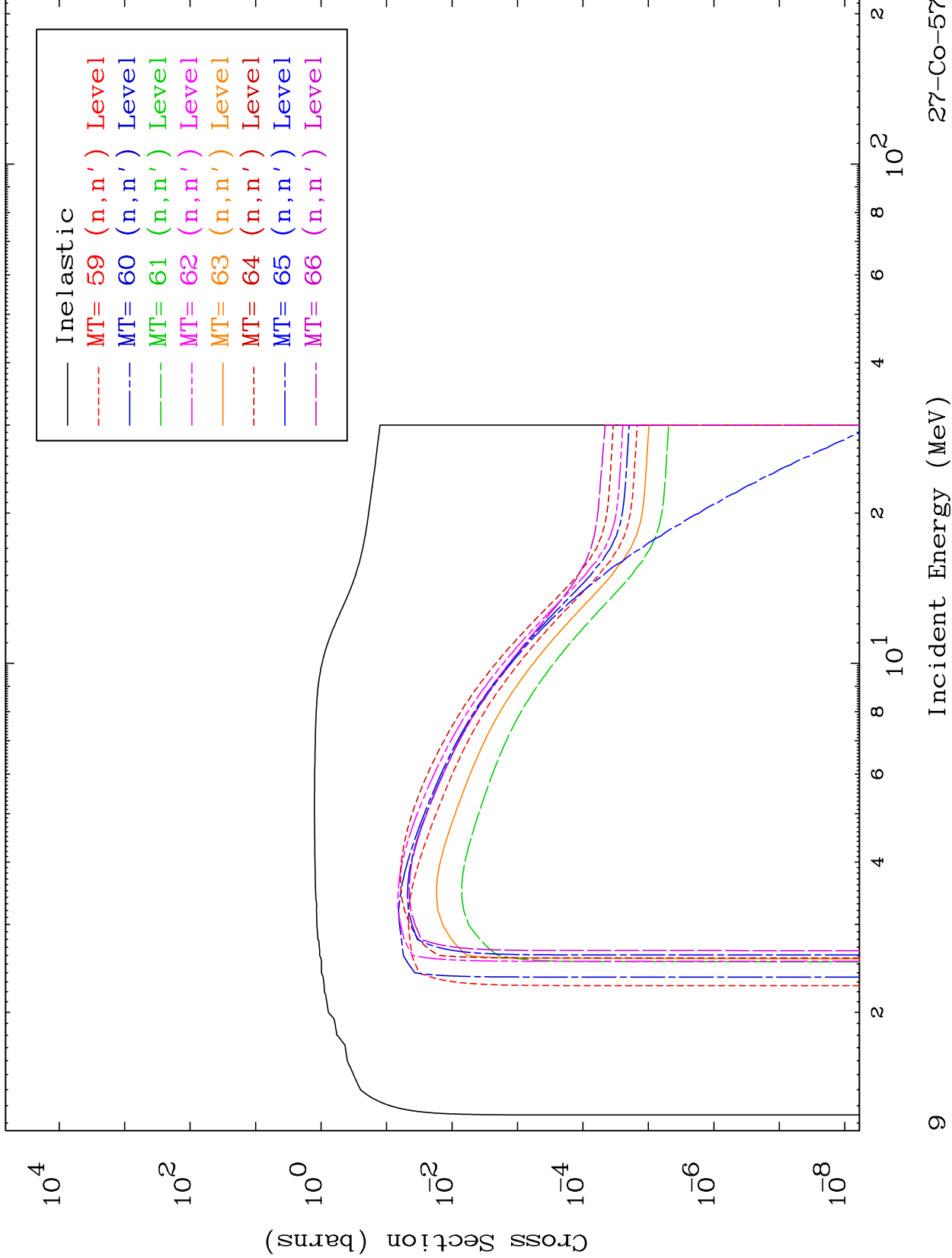
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8

Incident Energy (MeV)

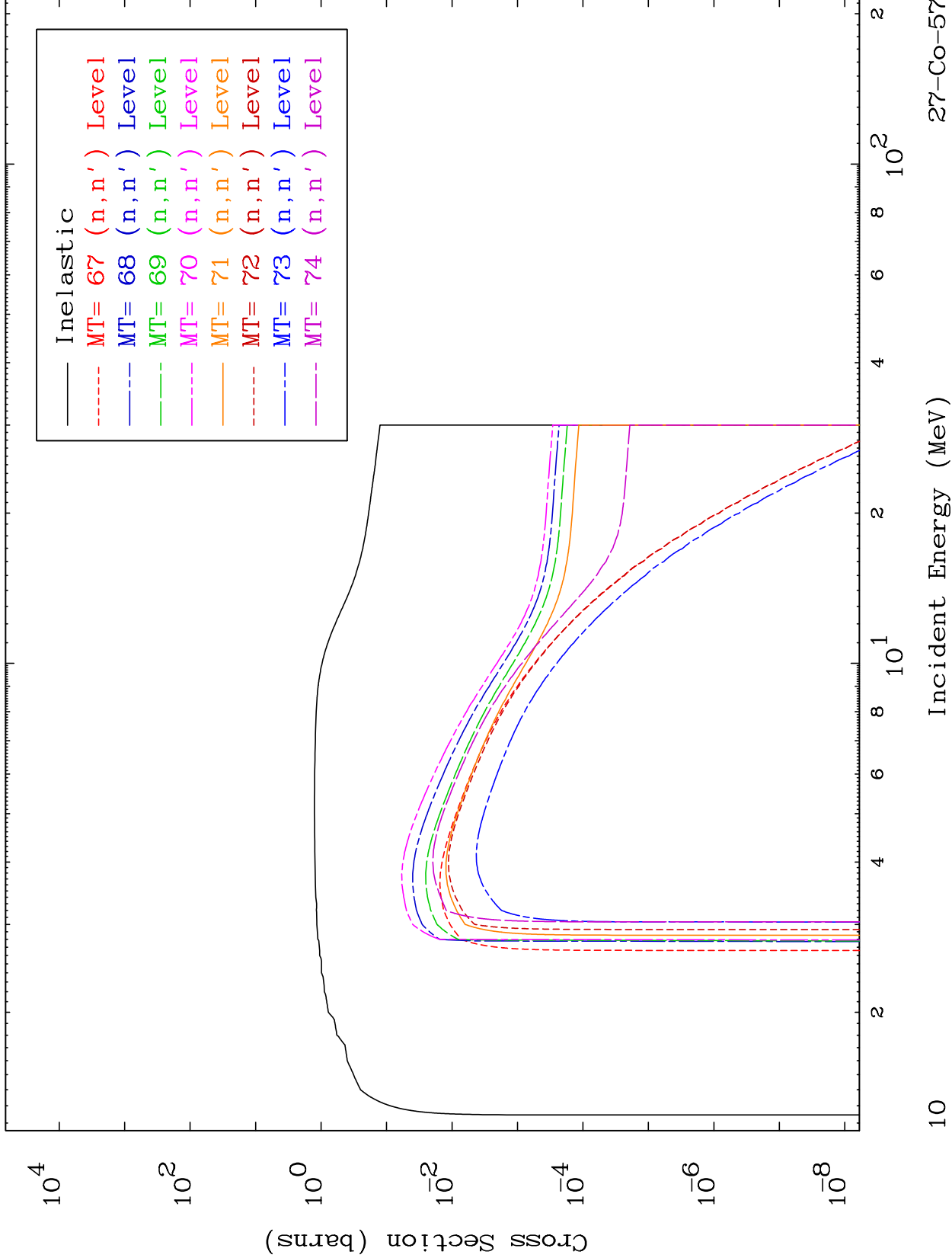
27-Co-57



MAT 2719

(n,n') Levels
293 Kelvin Cross Sections

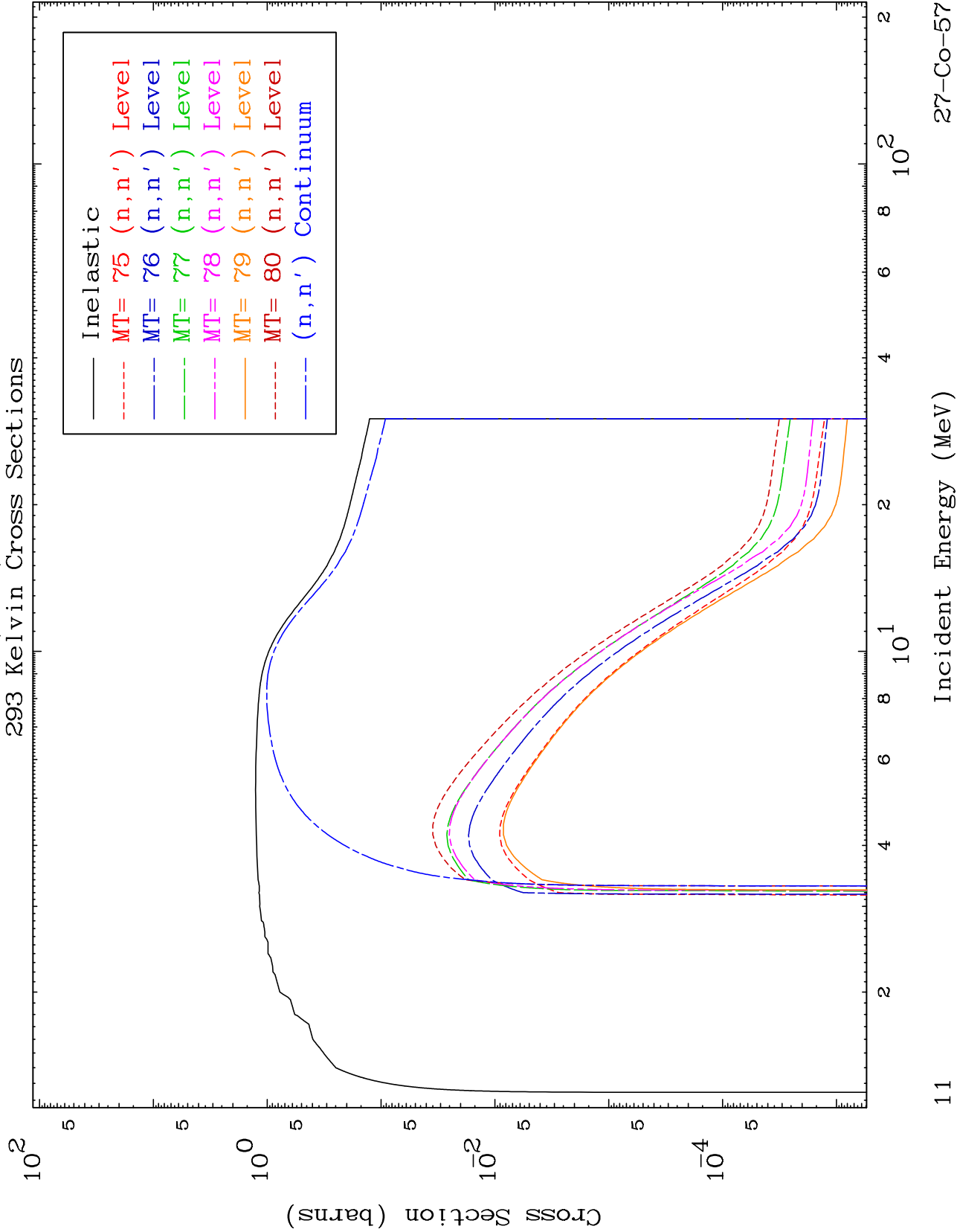
27-Co-57



10

Incident Energy (MeV)

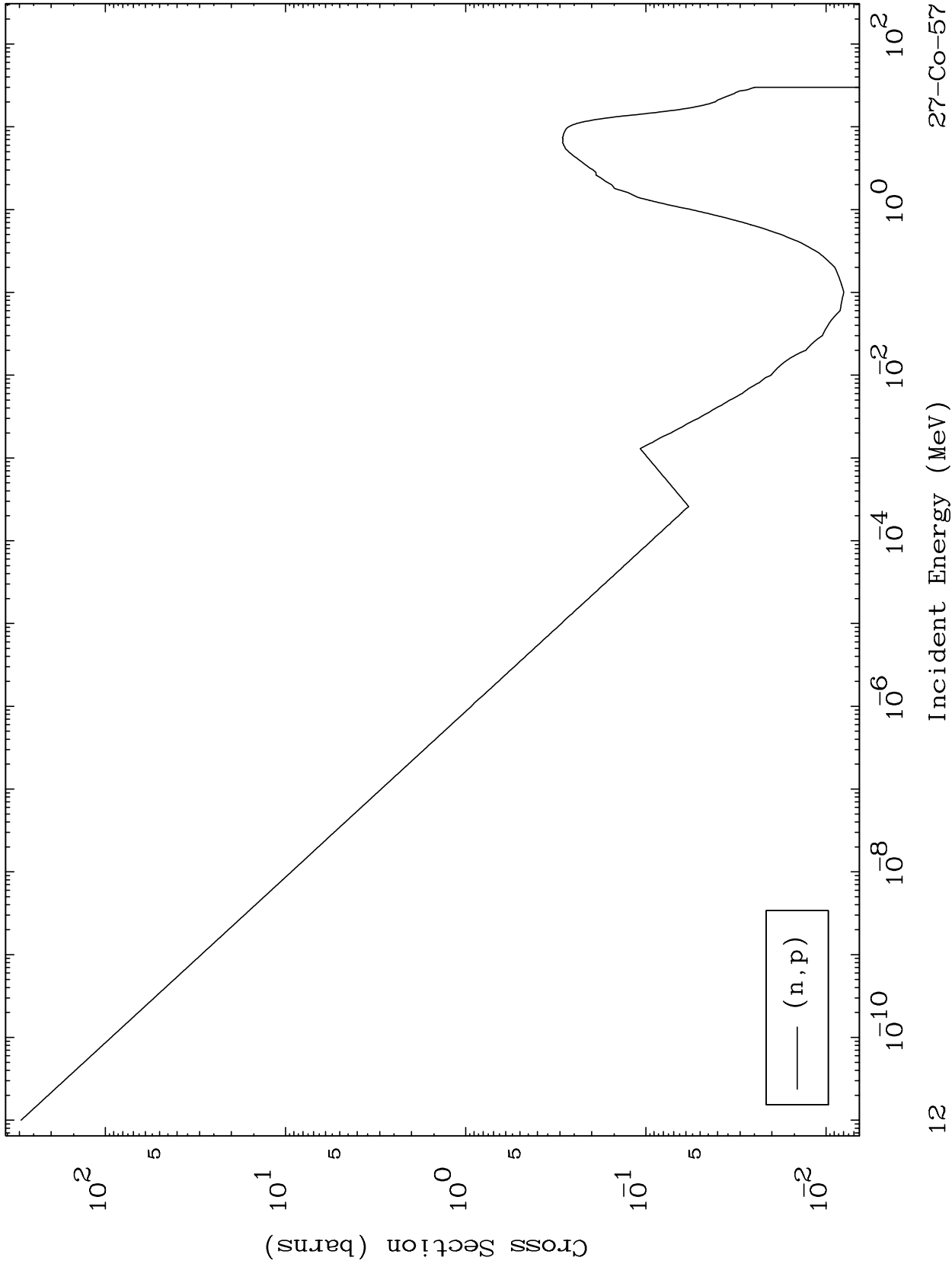
27-Co-57



MAT 2719

(n,p) Levels
293 Kelvin Cross Sections

27-Co-57

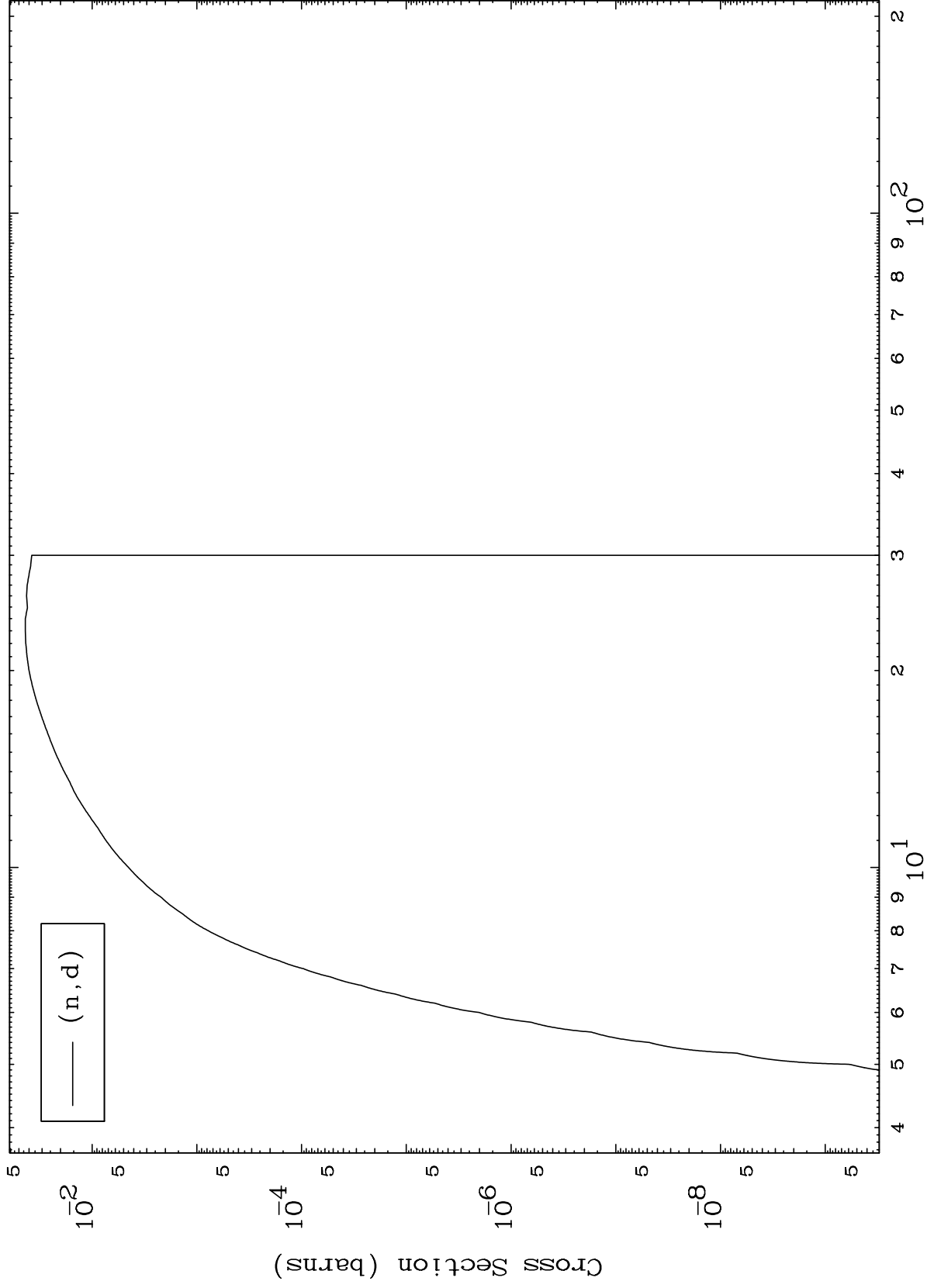


12

MAT 2719

(n,d) Levels
293 Kelvin Cross Sections

27-Co-57



13

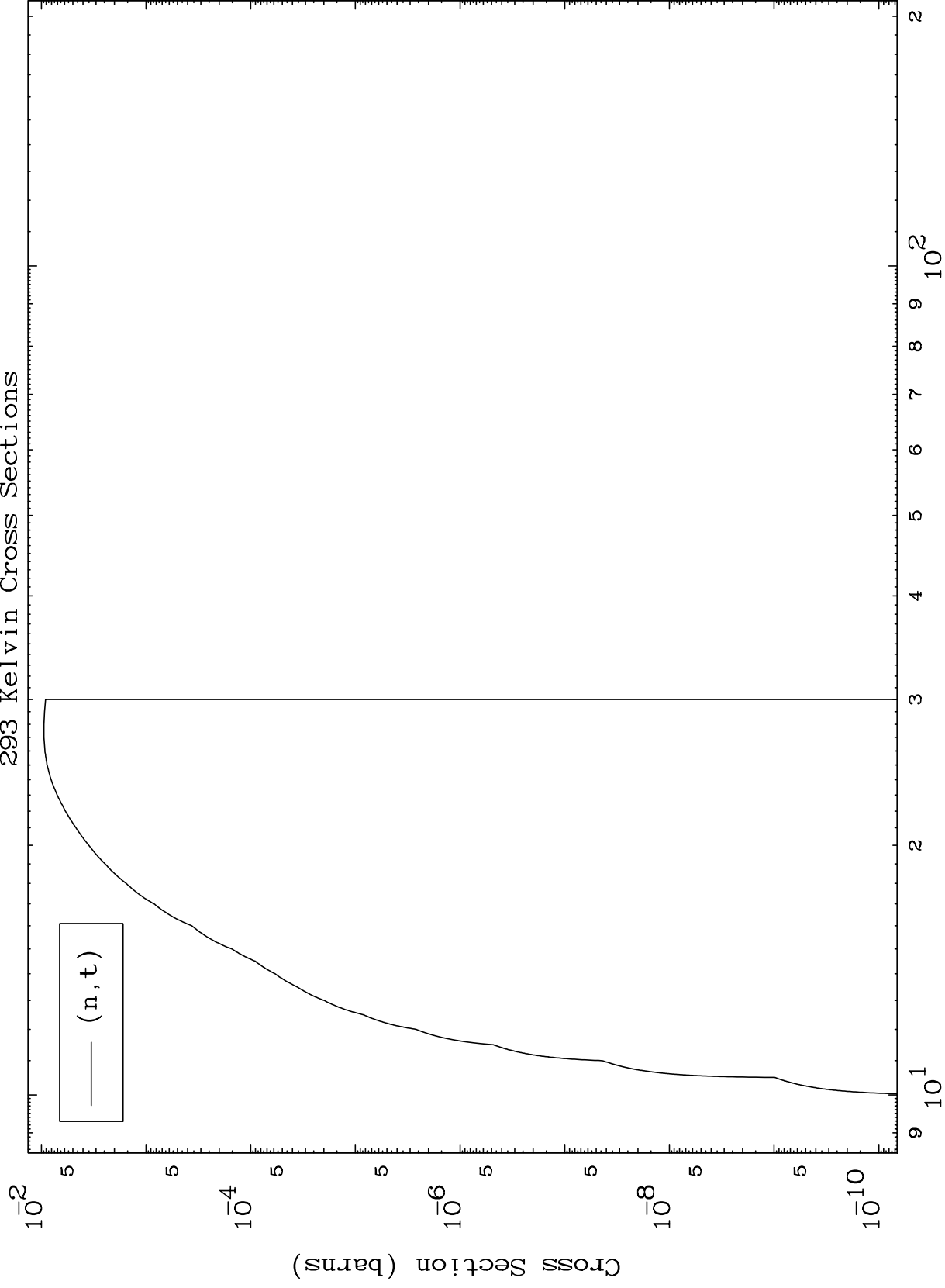
Incident Energy (MeV)

27-Co-57

MAT 2719

(n,t) Levels
293 Kelvin Cross Sections

27-Co-57



14

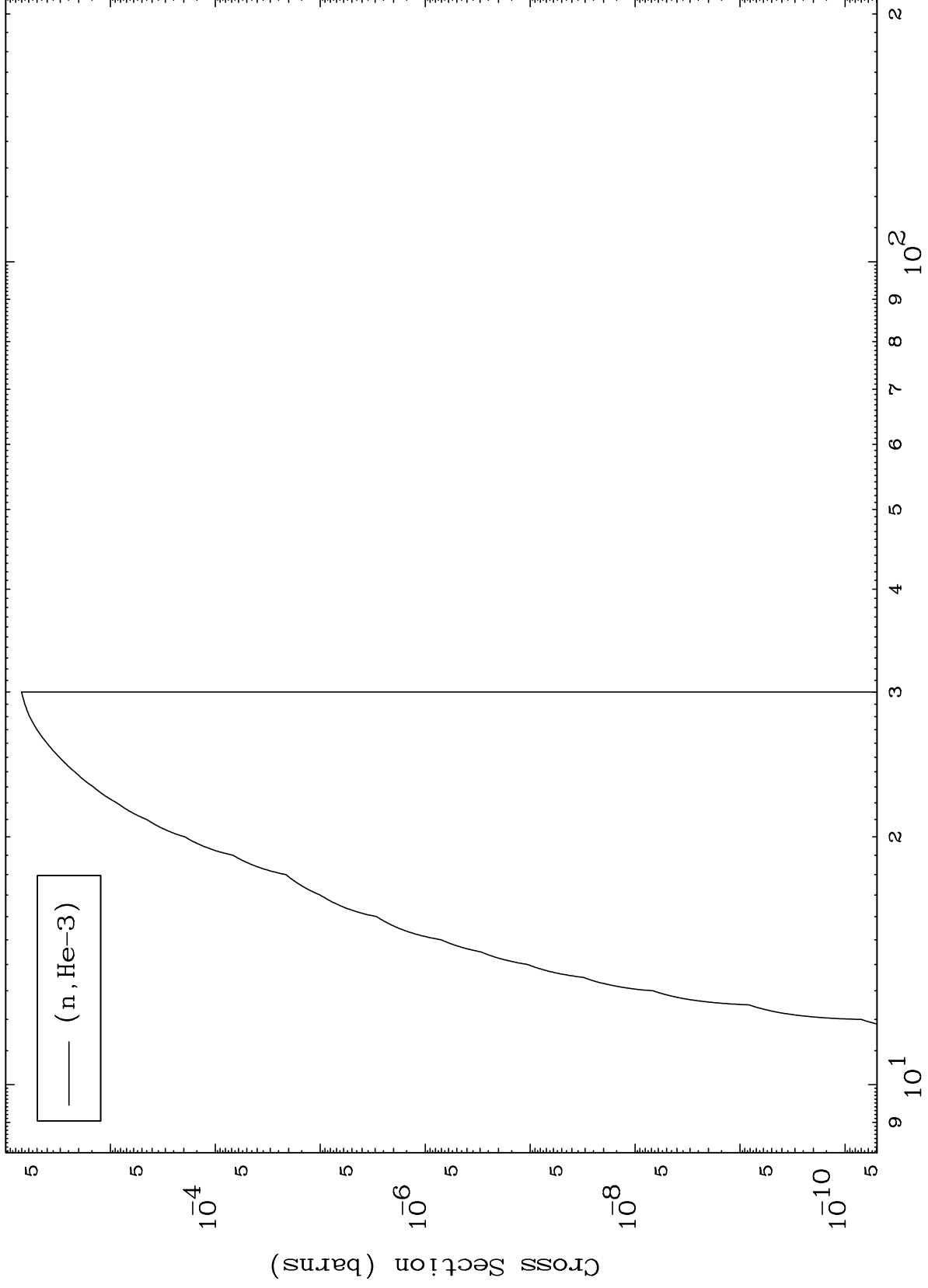
Incident Energy (MeV)

27-Co-57

MAT 2719

(n,He3) Levels
293 Kelvin Cross Sections

27-Co-57



15

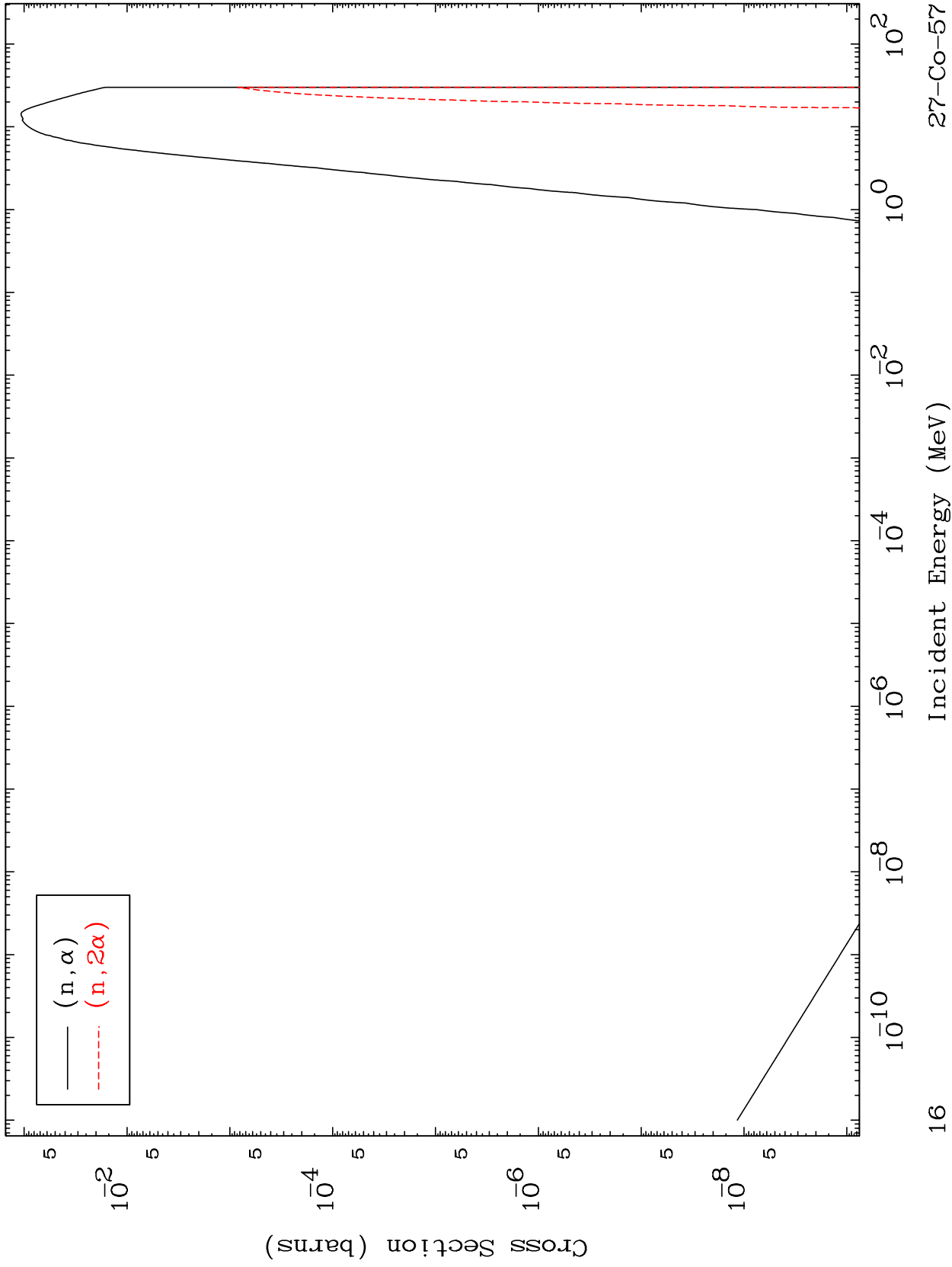
Incident Energy (MeV)

27-Co-57

MAT 2719

(n, α) Levels
293 Kelvin Cross Sections

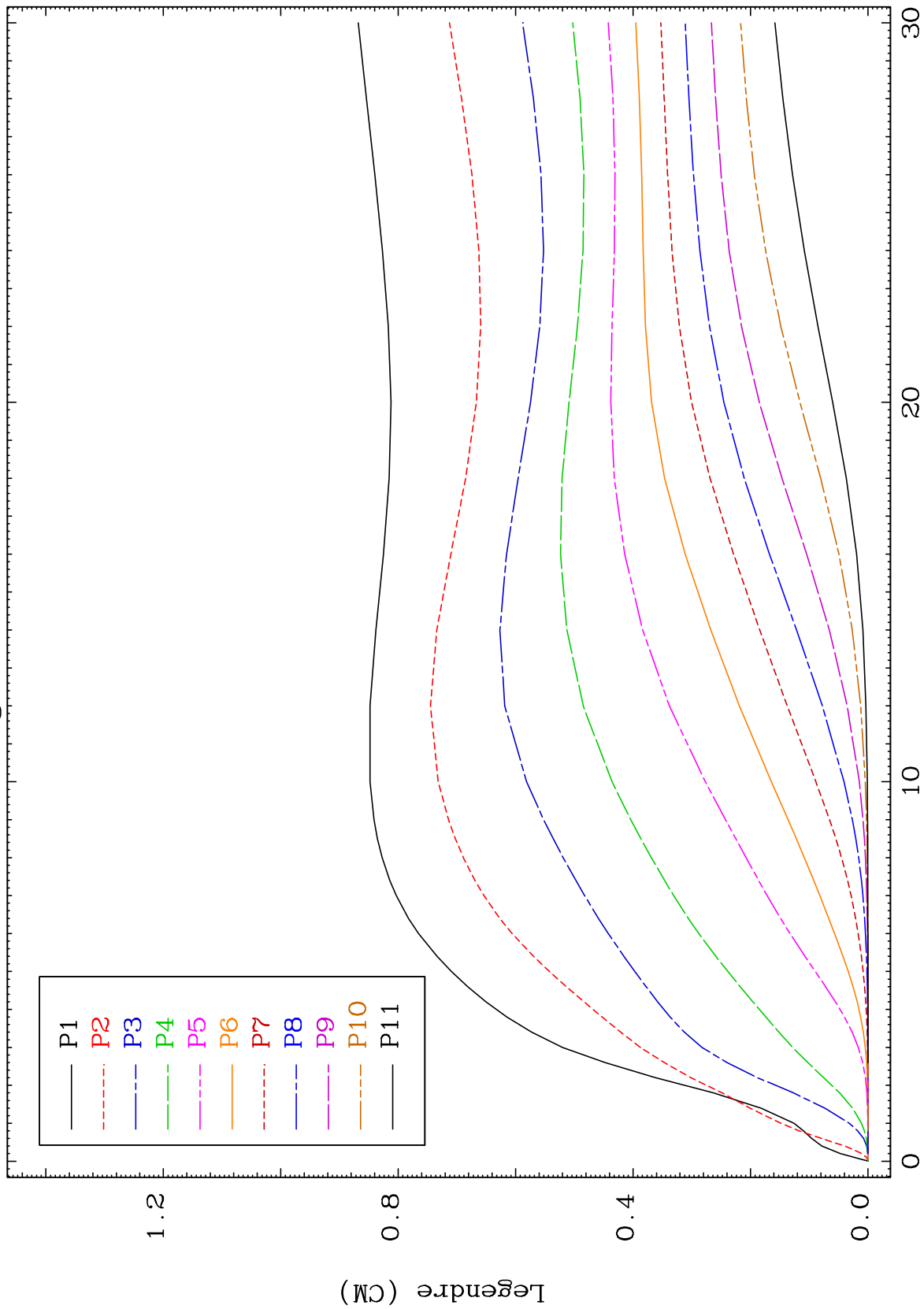
27-Co-57



MAT 2719

Elastic Legendre Coefficients

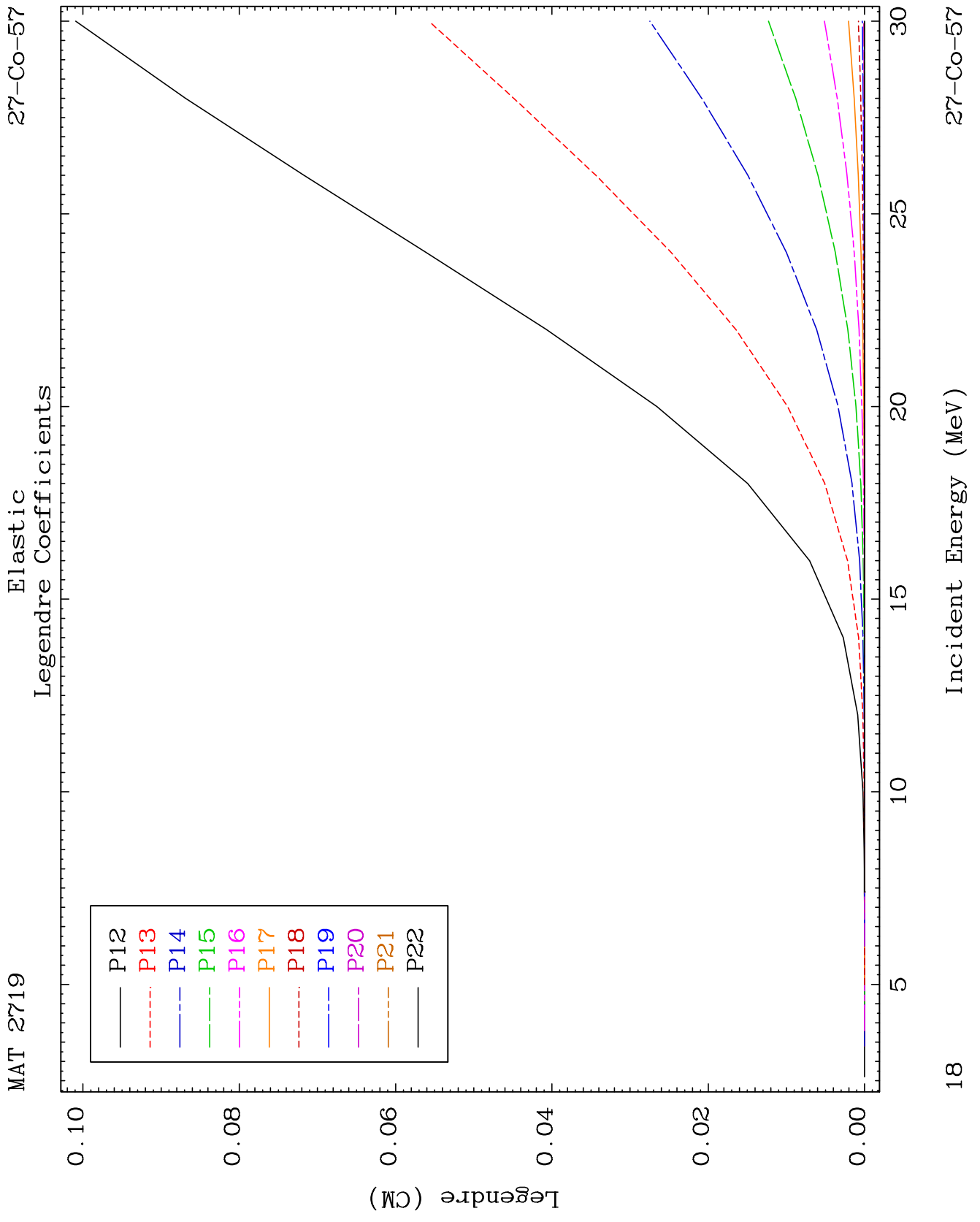
27-Co-57



17

Incident Energy (MeV)

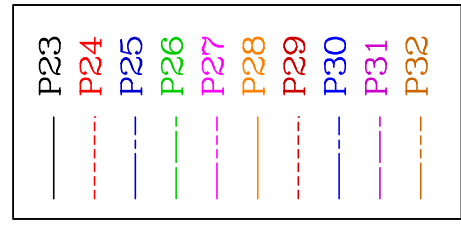
27-Co-57



MAT 2719

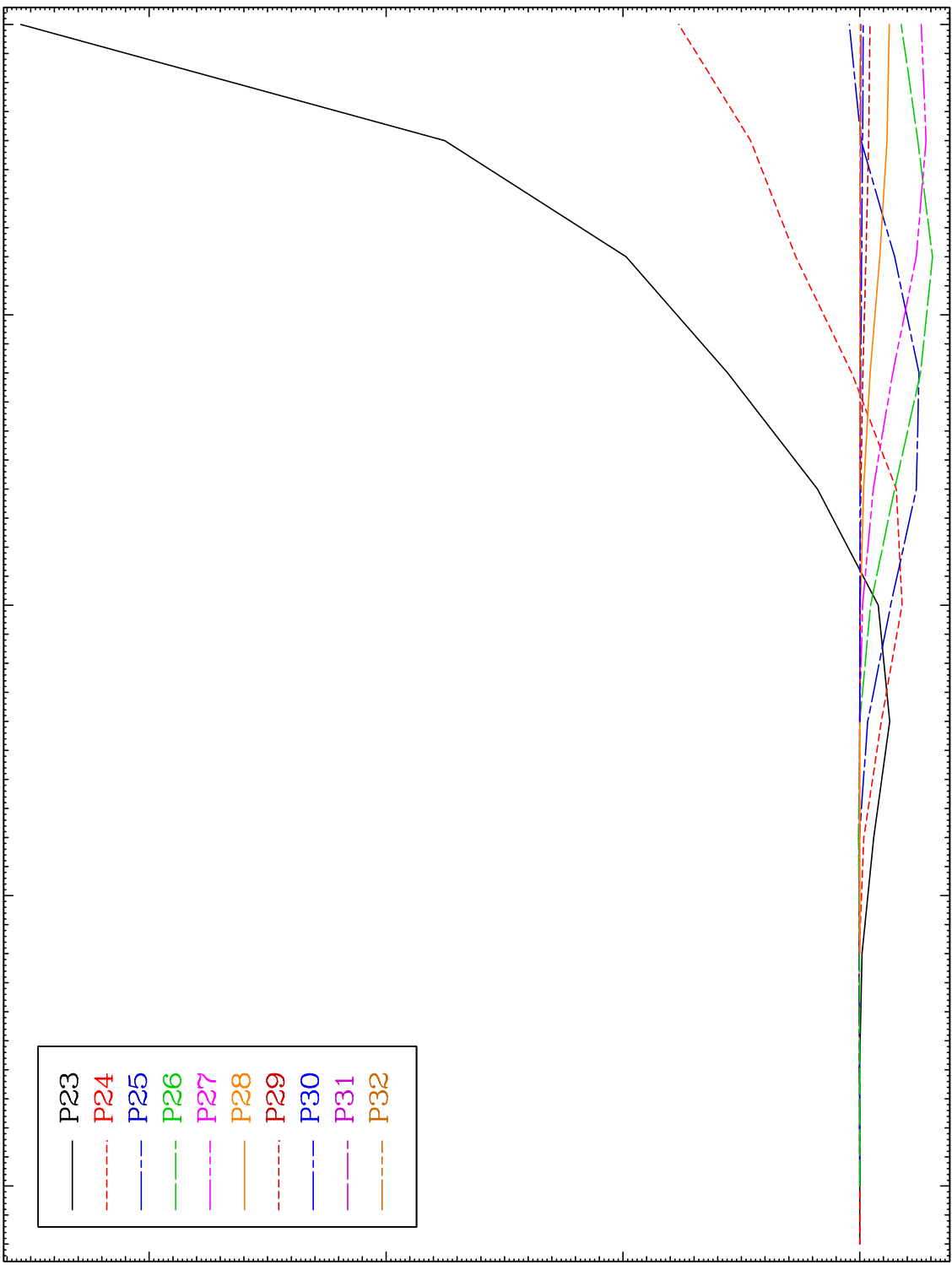
Elastic Legendre Coefficients

27-Co-57



$\times 10^{-6}$

Legendre (CM)



30

25

20

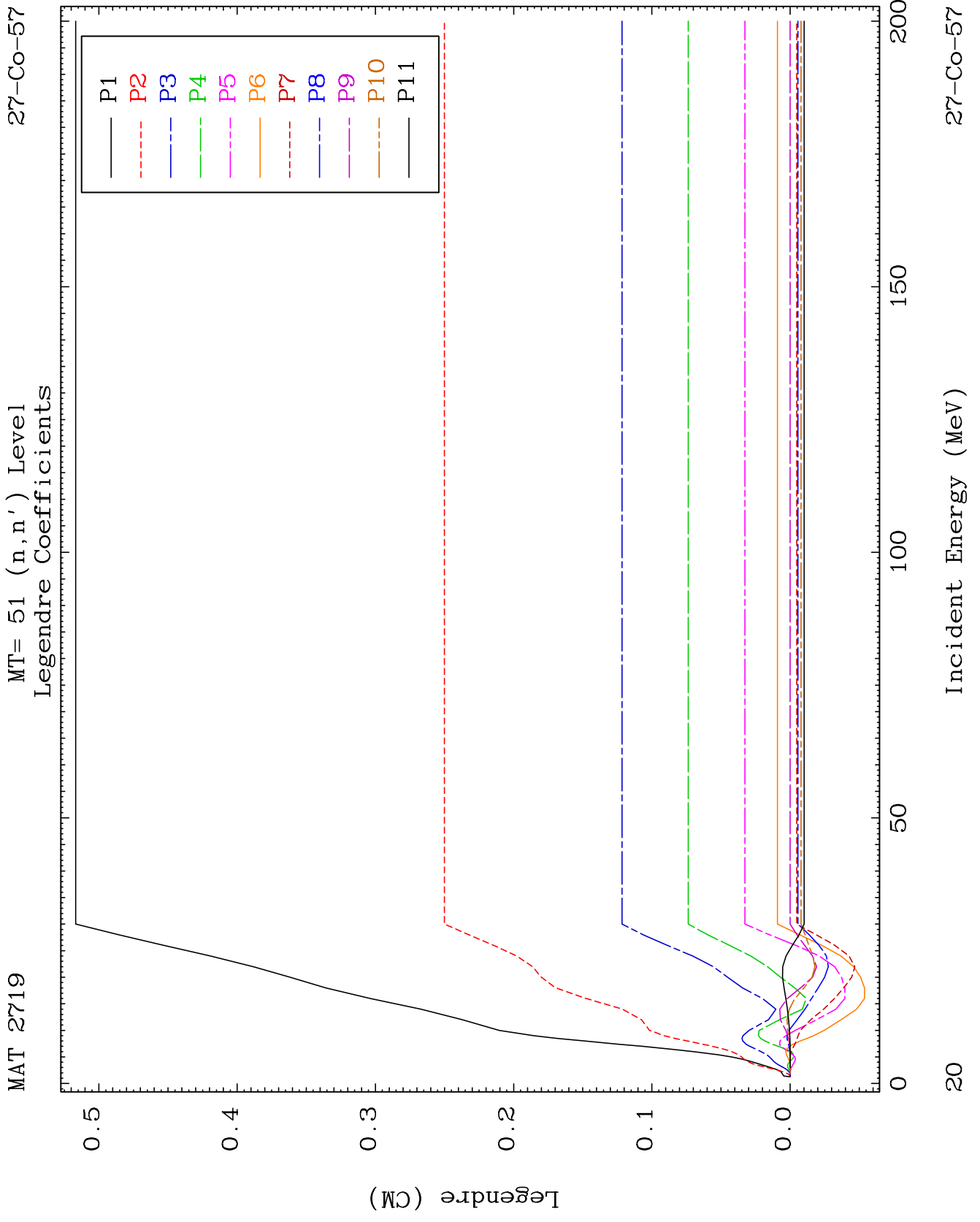
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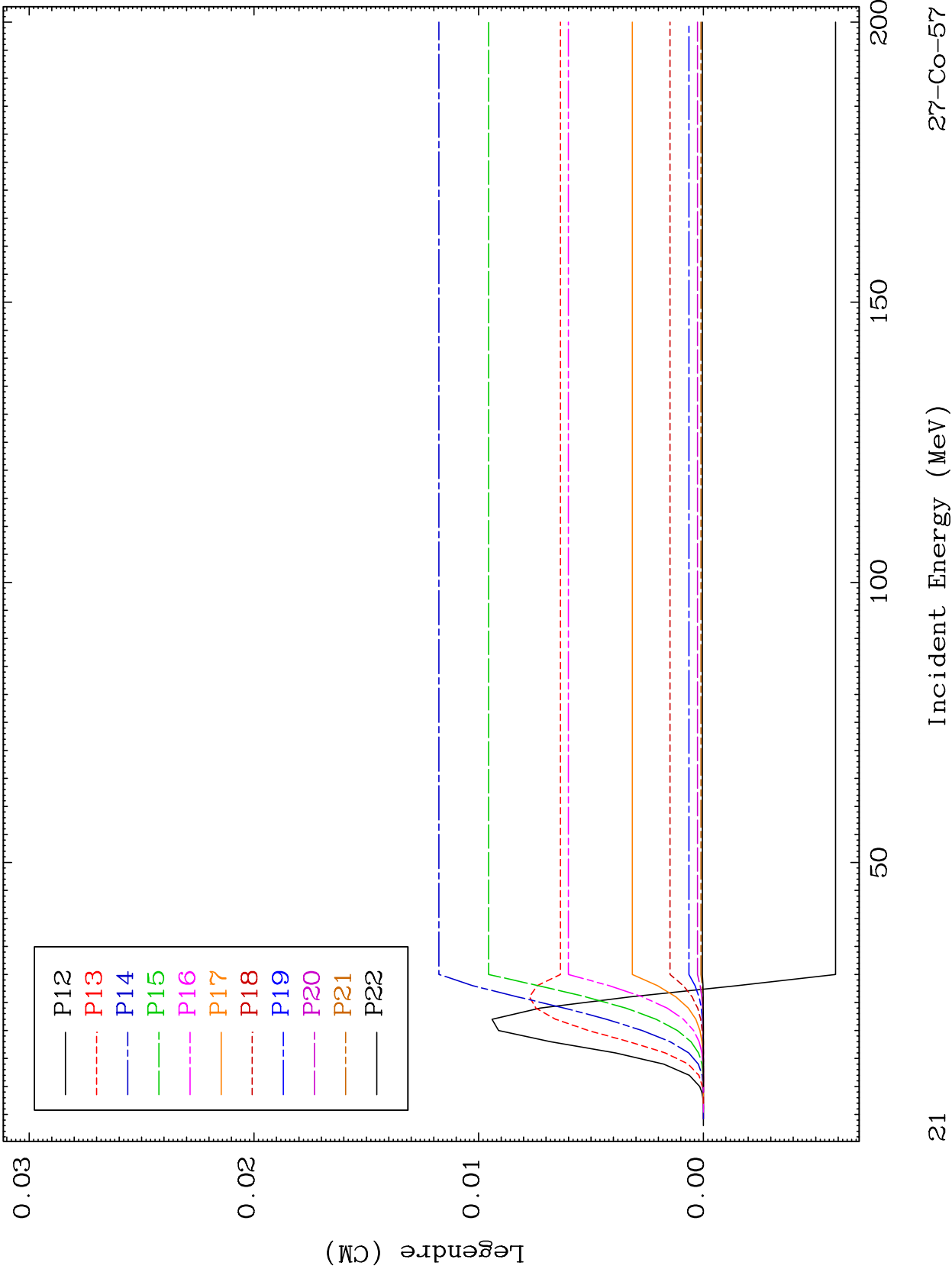
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19

Incident Energy (MeV)

27-Co-57

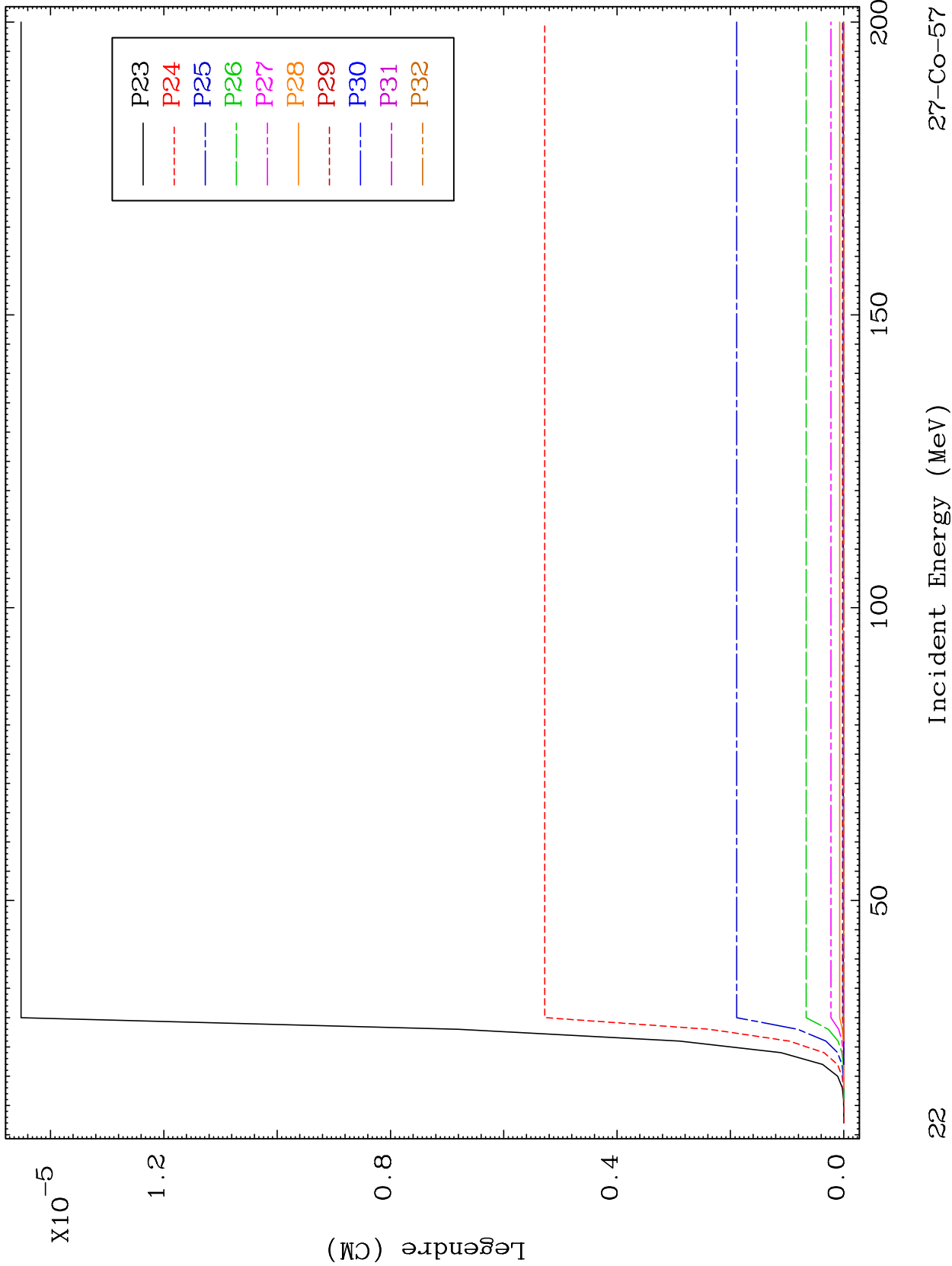




MAT 2719

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

27-Co-57



22

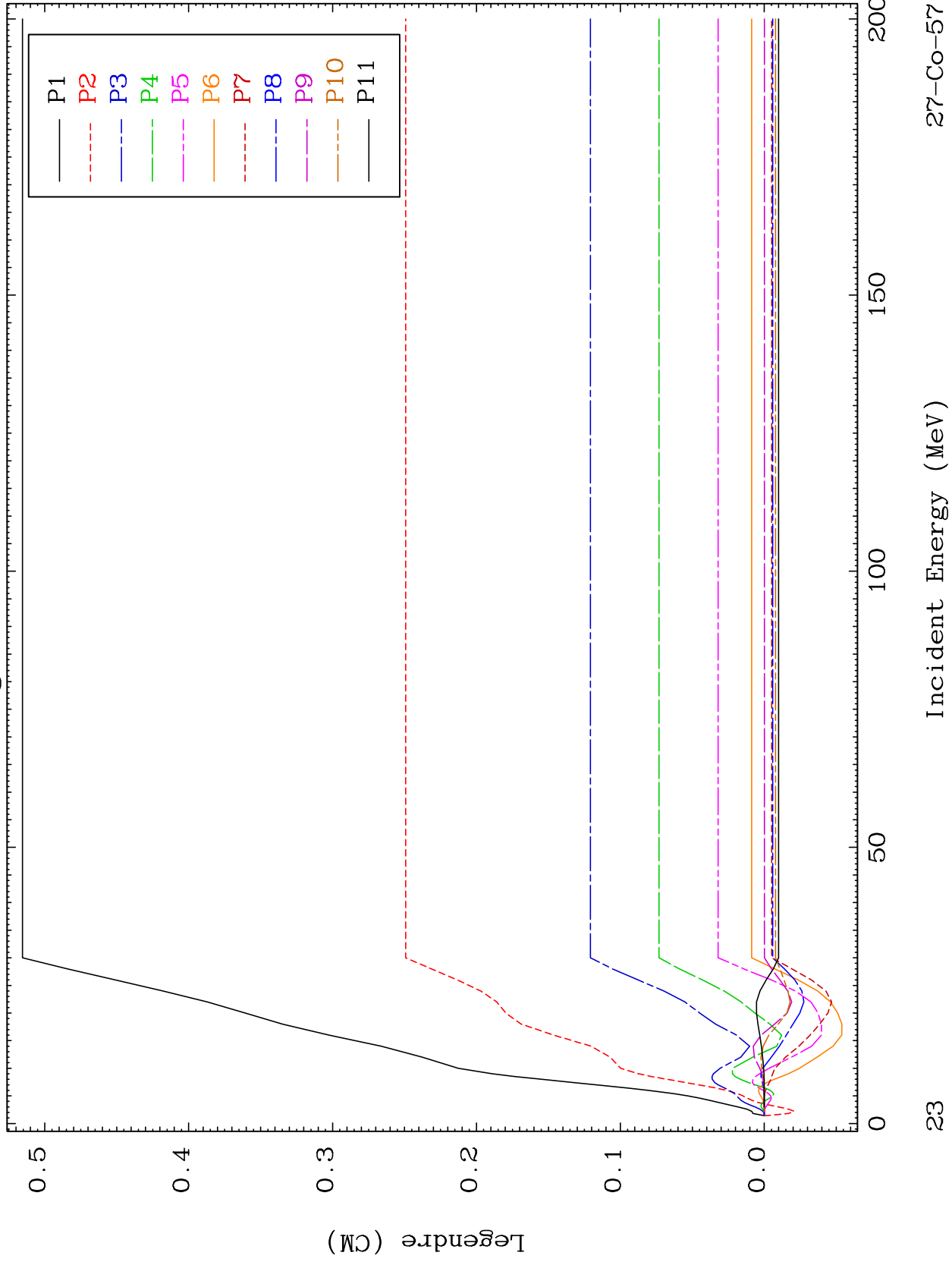
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



27-Co-57

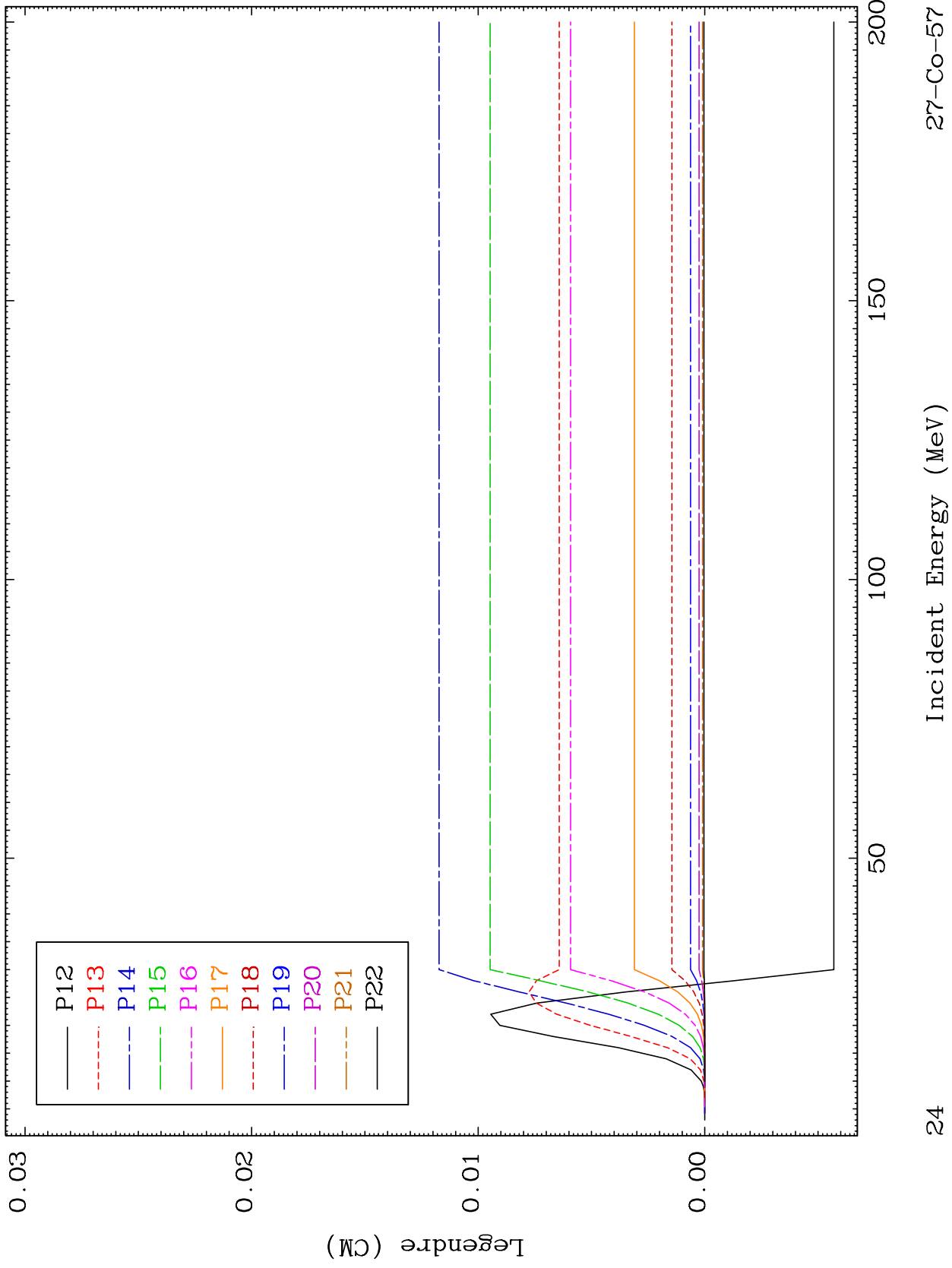
Incident Energy (MeV)

23

MAT 2719

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

27-Co-57



24

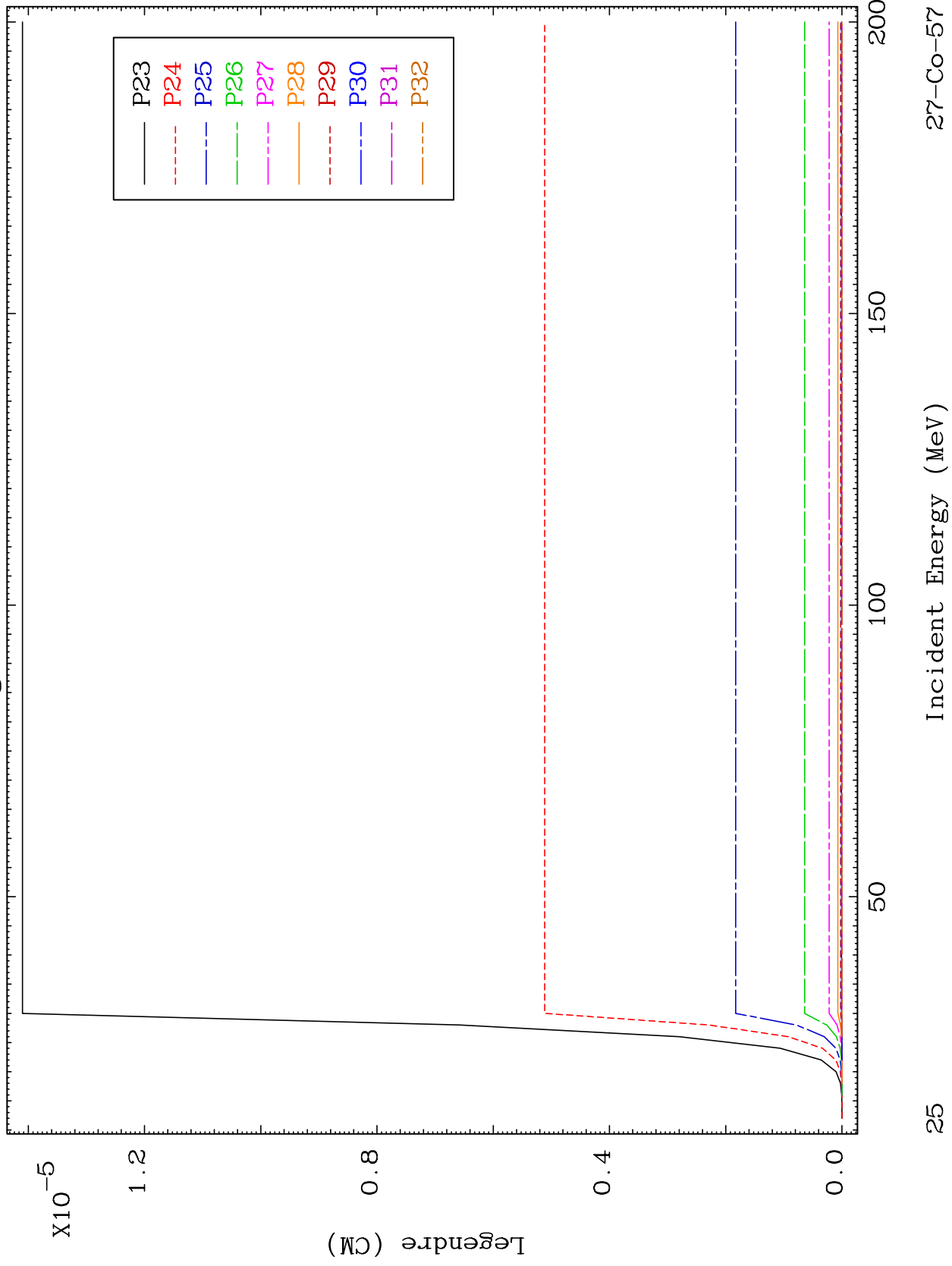
Incident Energy (MeV)

27-Co-57

MAT 2719

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

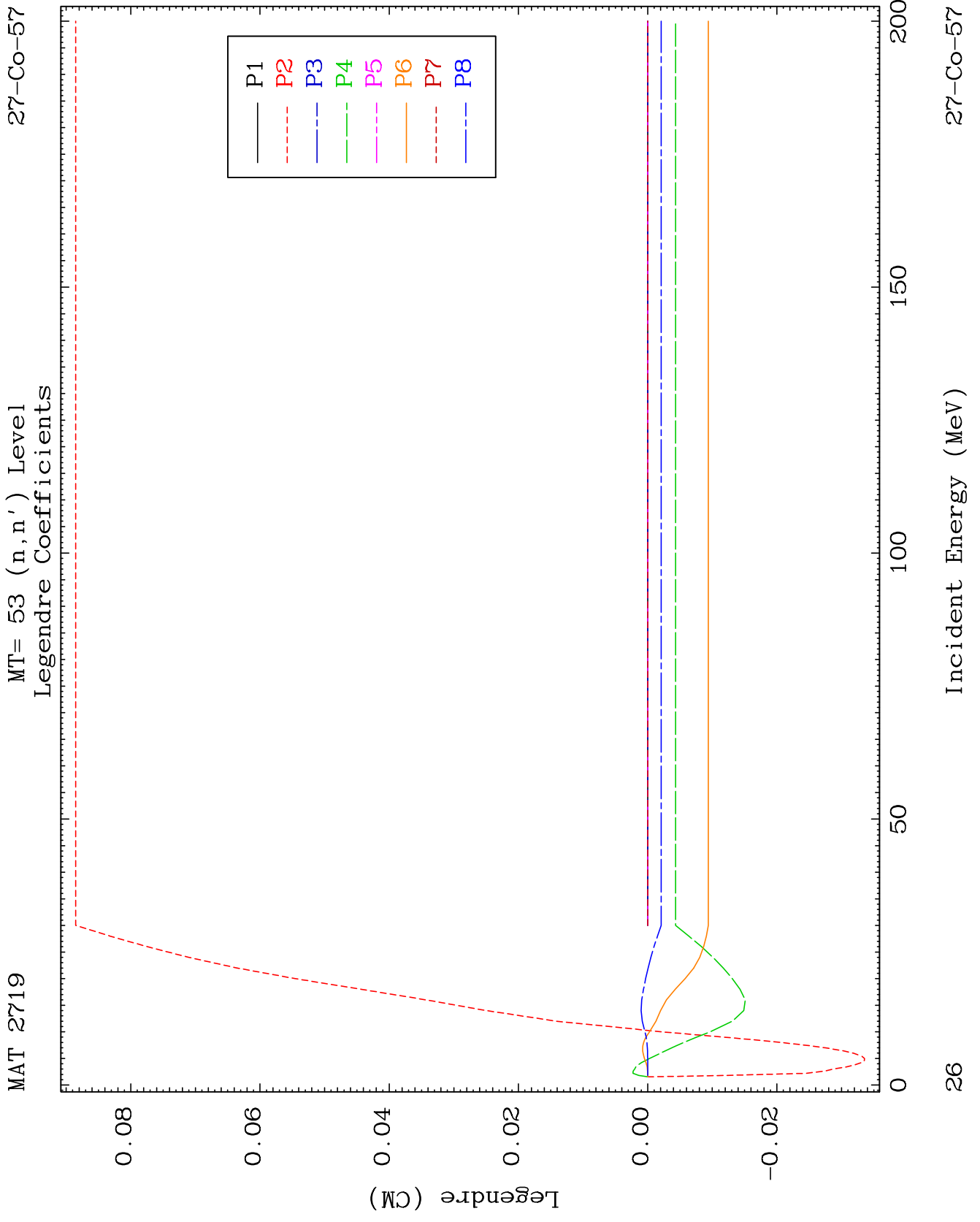
27-Co-57



27-Co-57

Incident Energy (MeV)

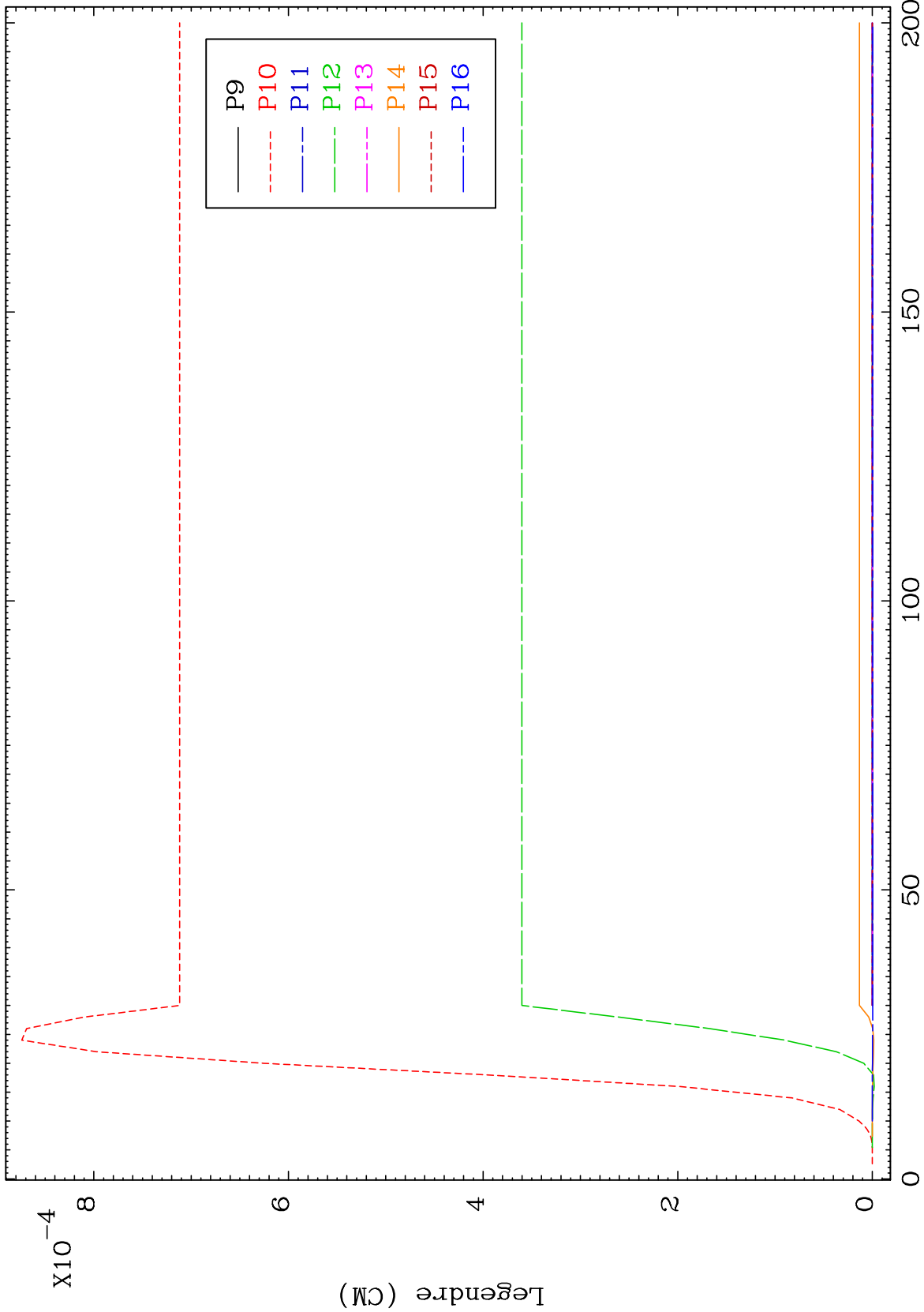
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MAT 2719

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

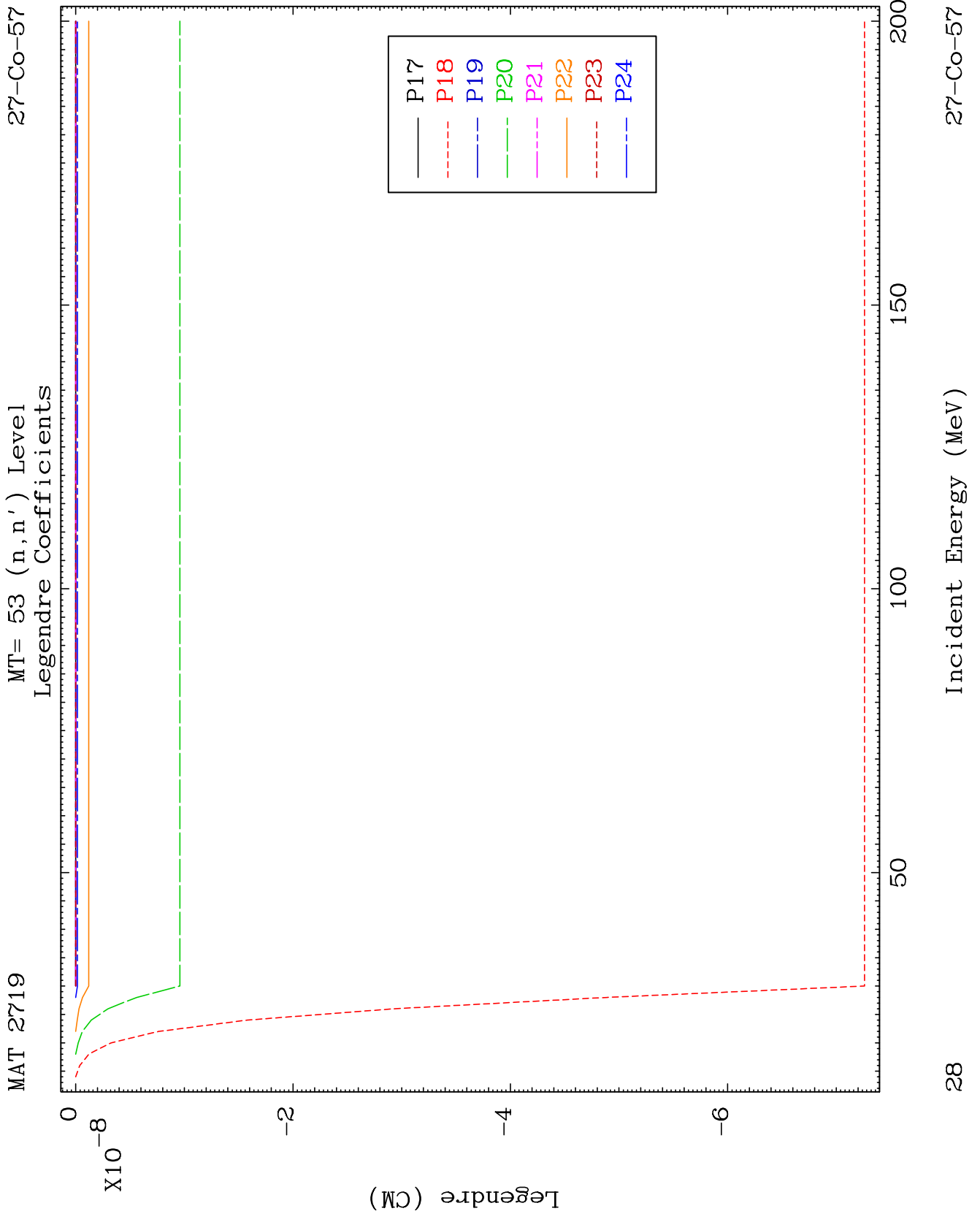
27-Co-57



27

Incident Energy (MeV)

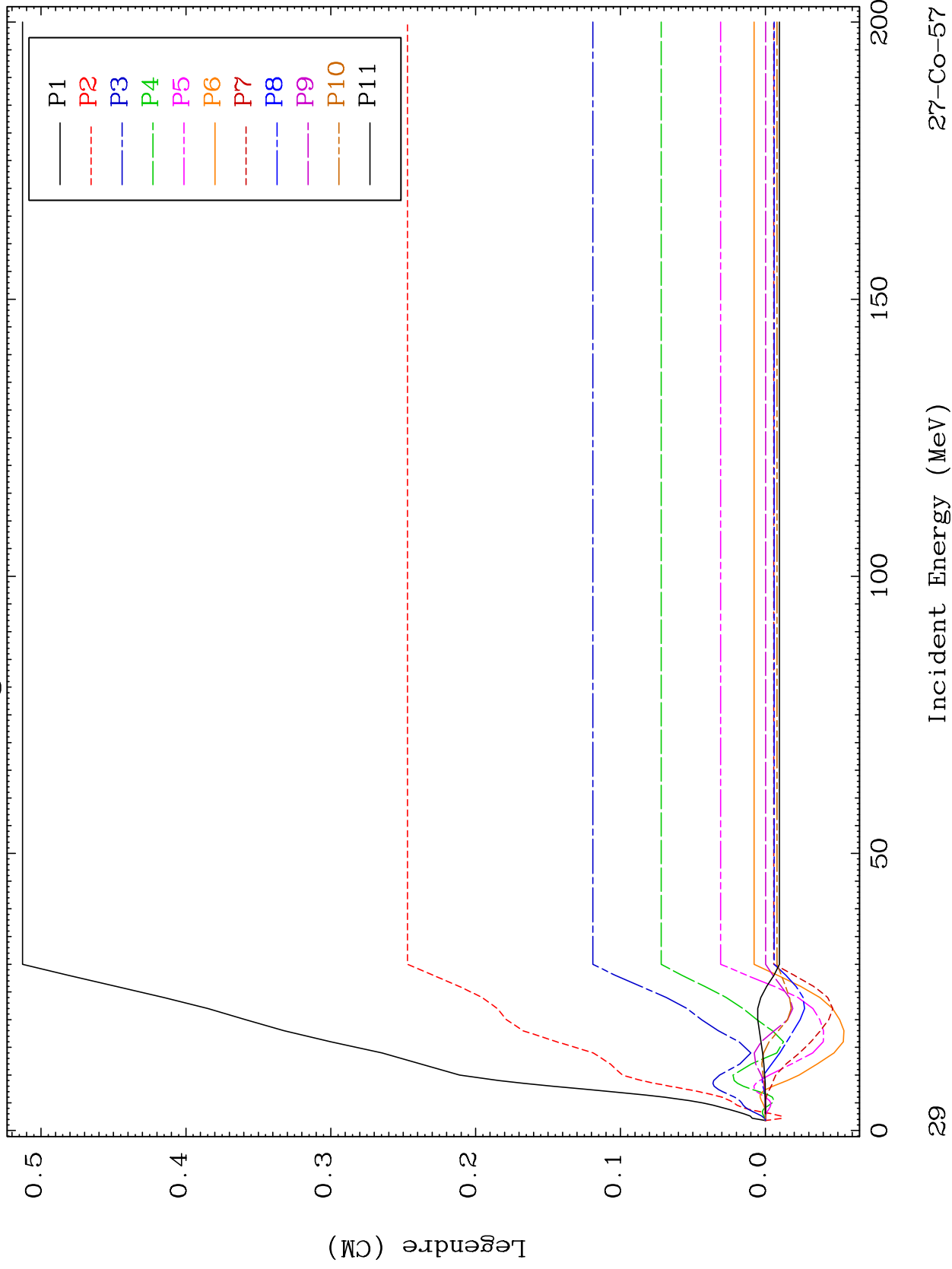
27-Co-57



MAT 2719

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

27-Co-57



27-Co-57

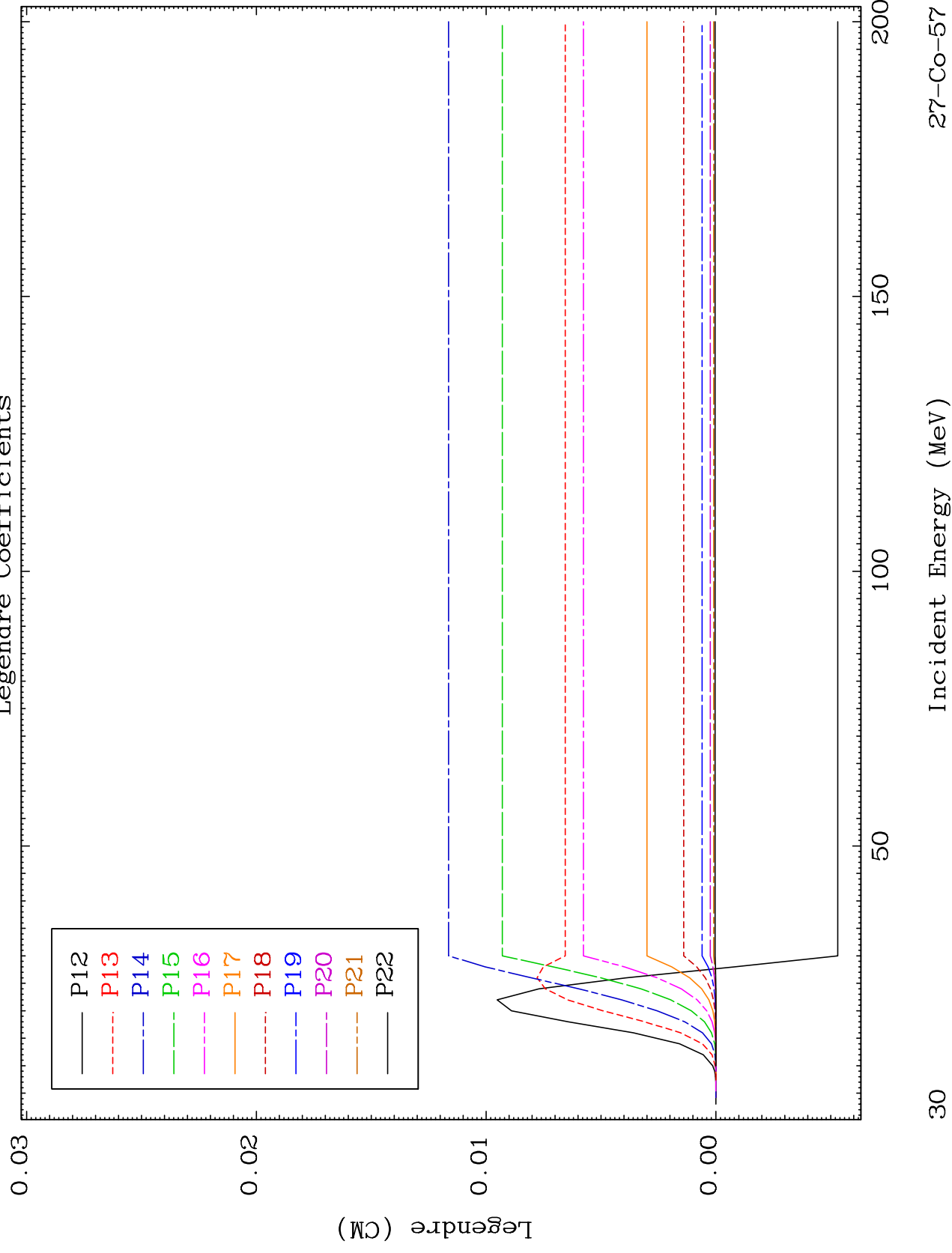
Incident Energy (MeV)

29

MAT 2719

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

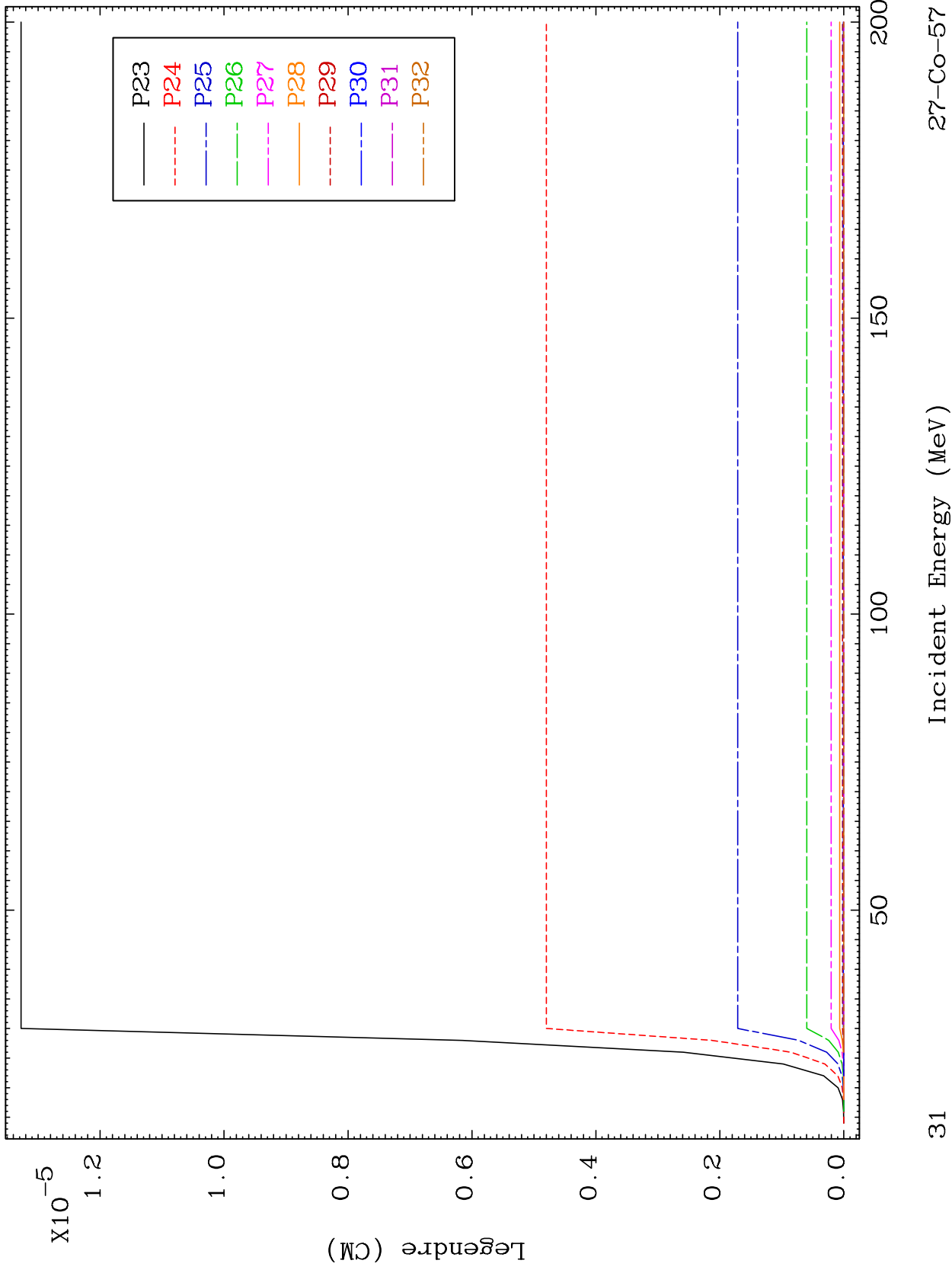
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Incident Energy (MeV)

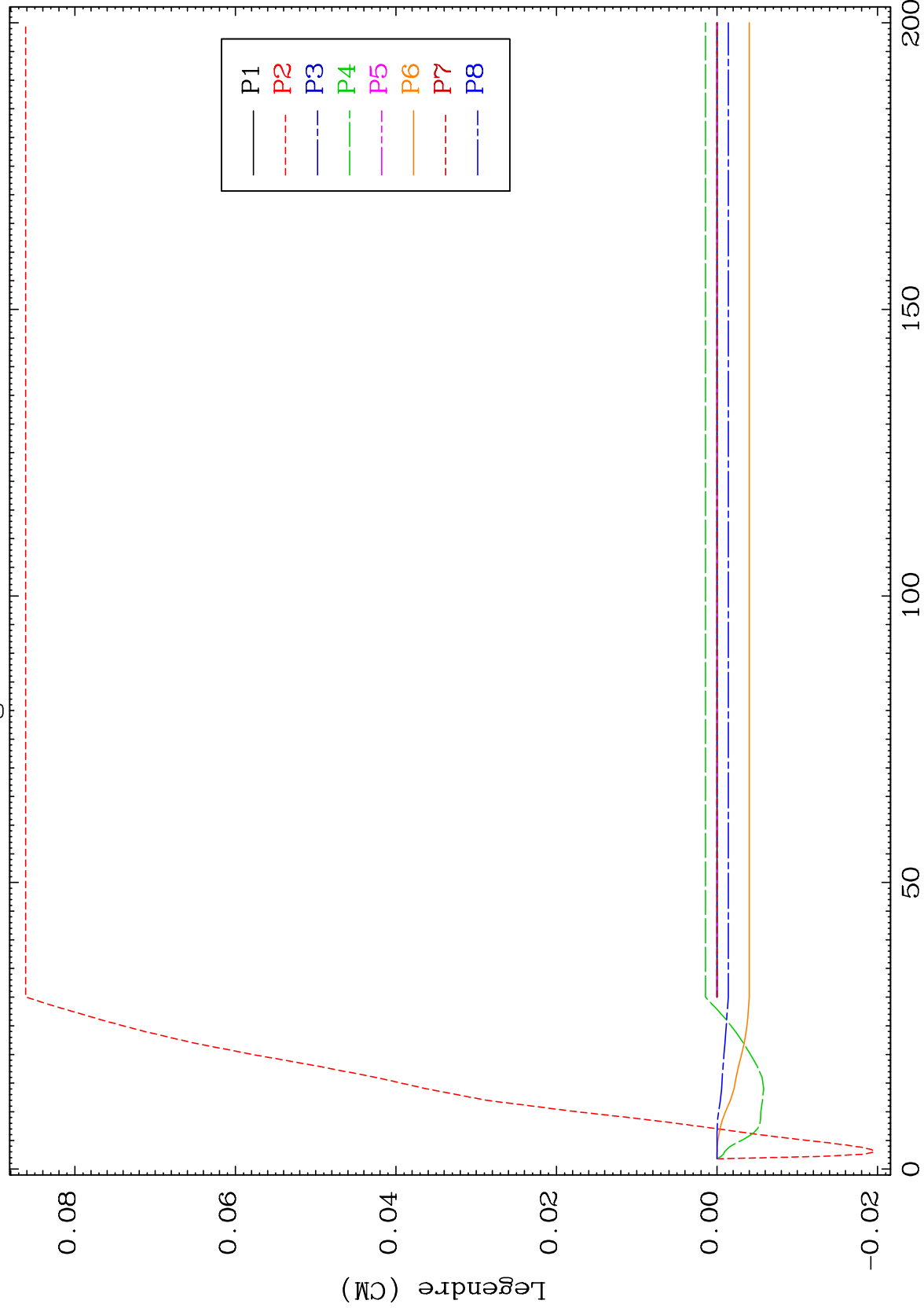
27-Co-57



MAT 2719

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

27-Co-57



32

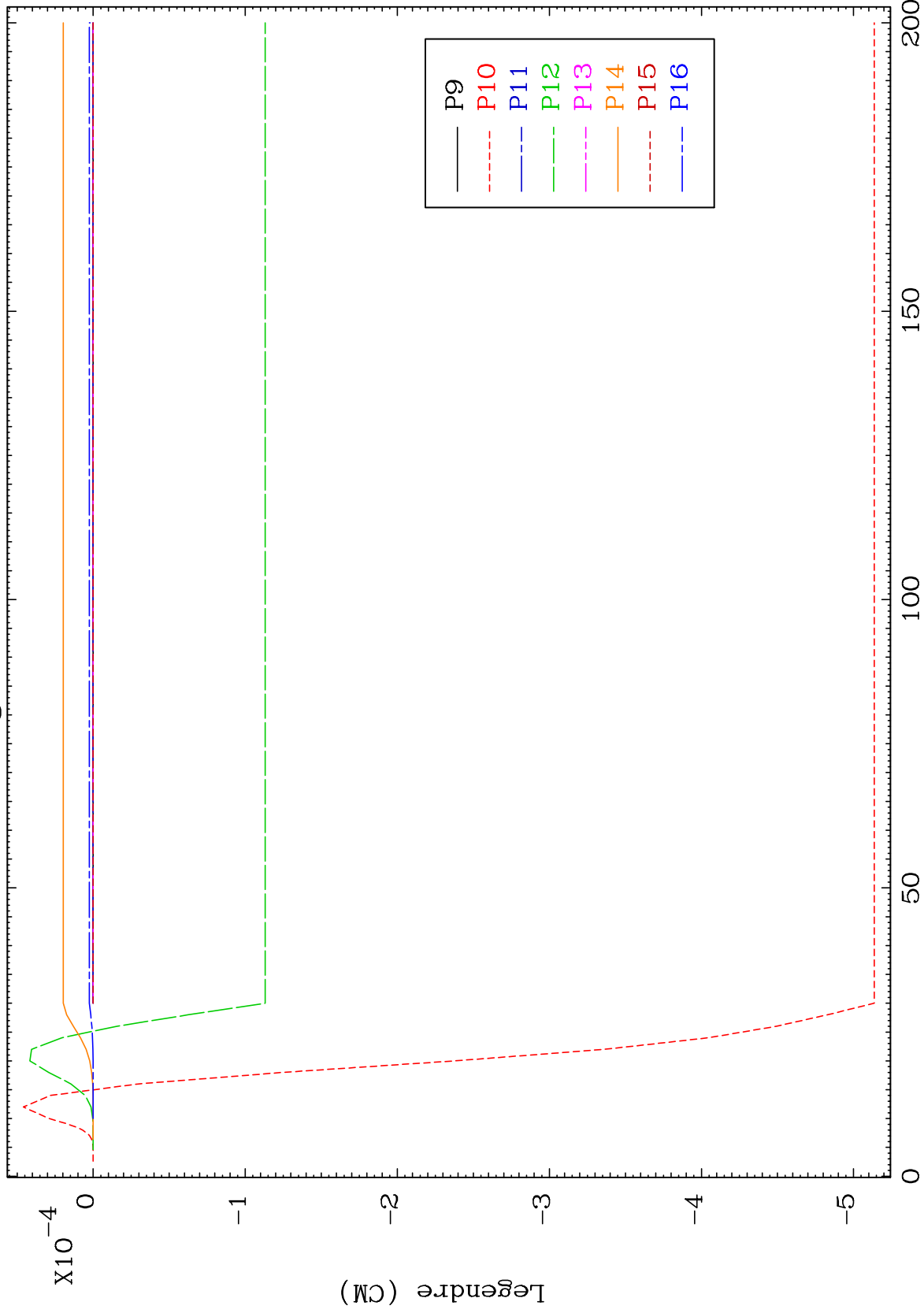
Incident Energy (MeV)

27-Co-57

MAT 2719

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

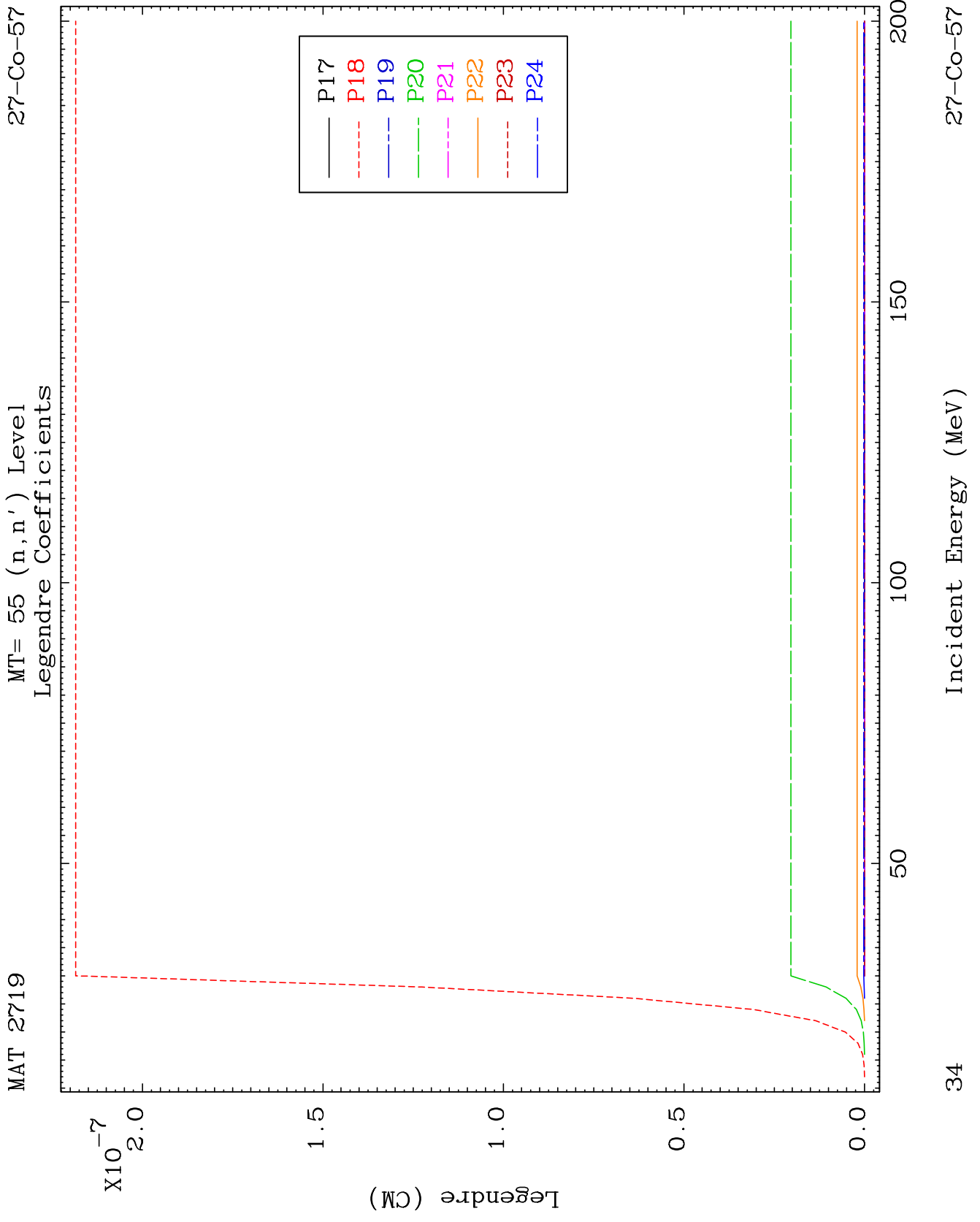
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33

Incident Energy (MeV)

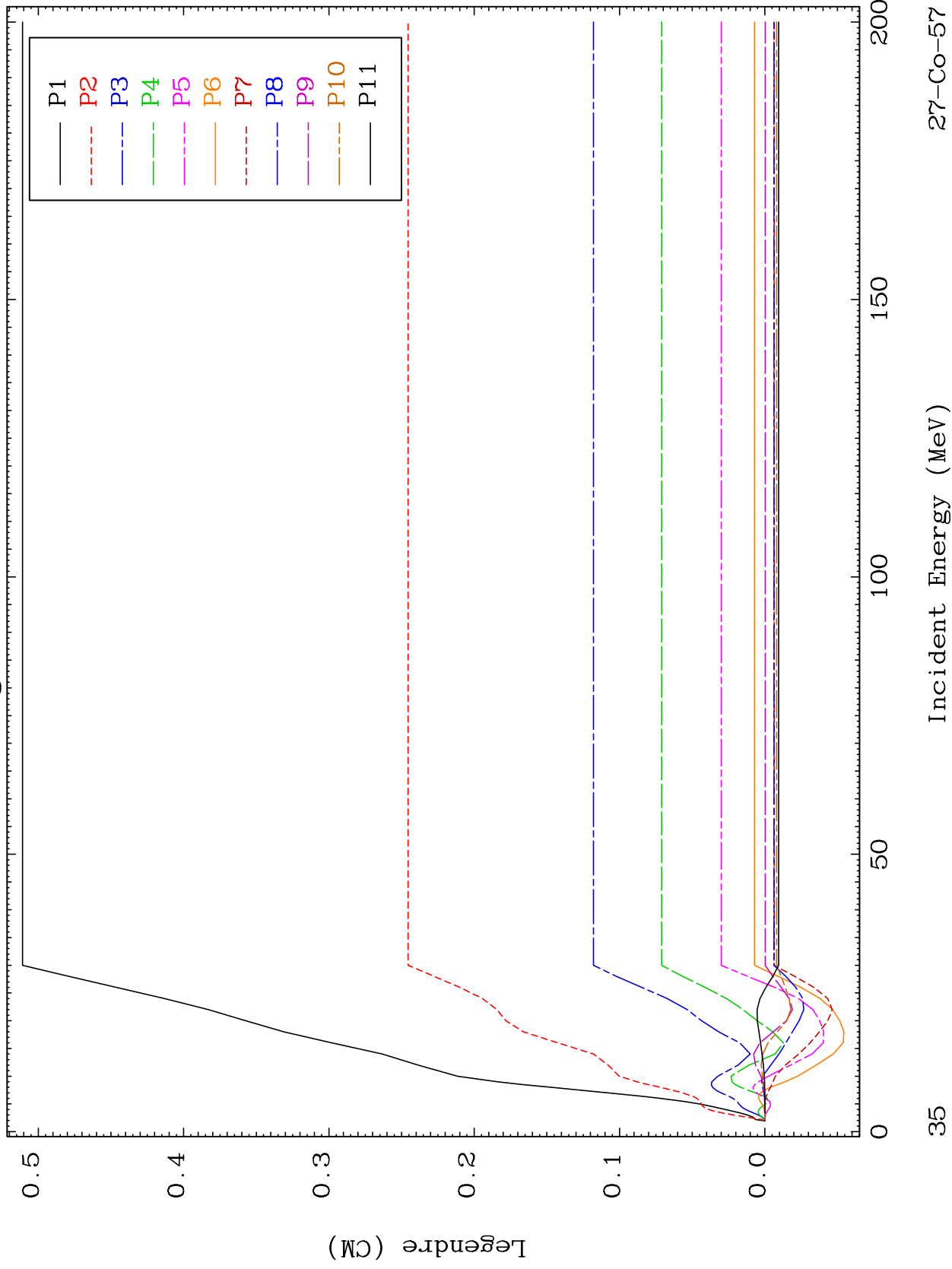
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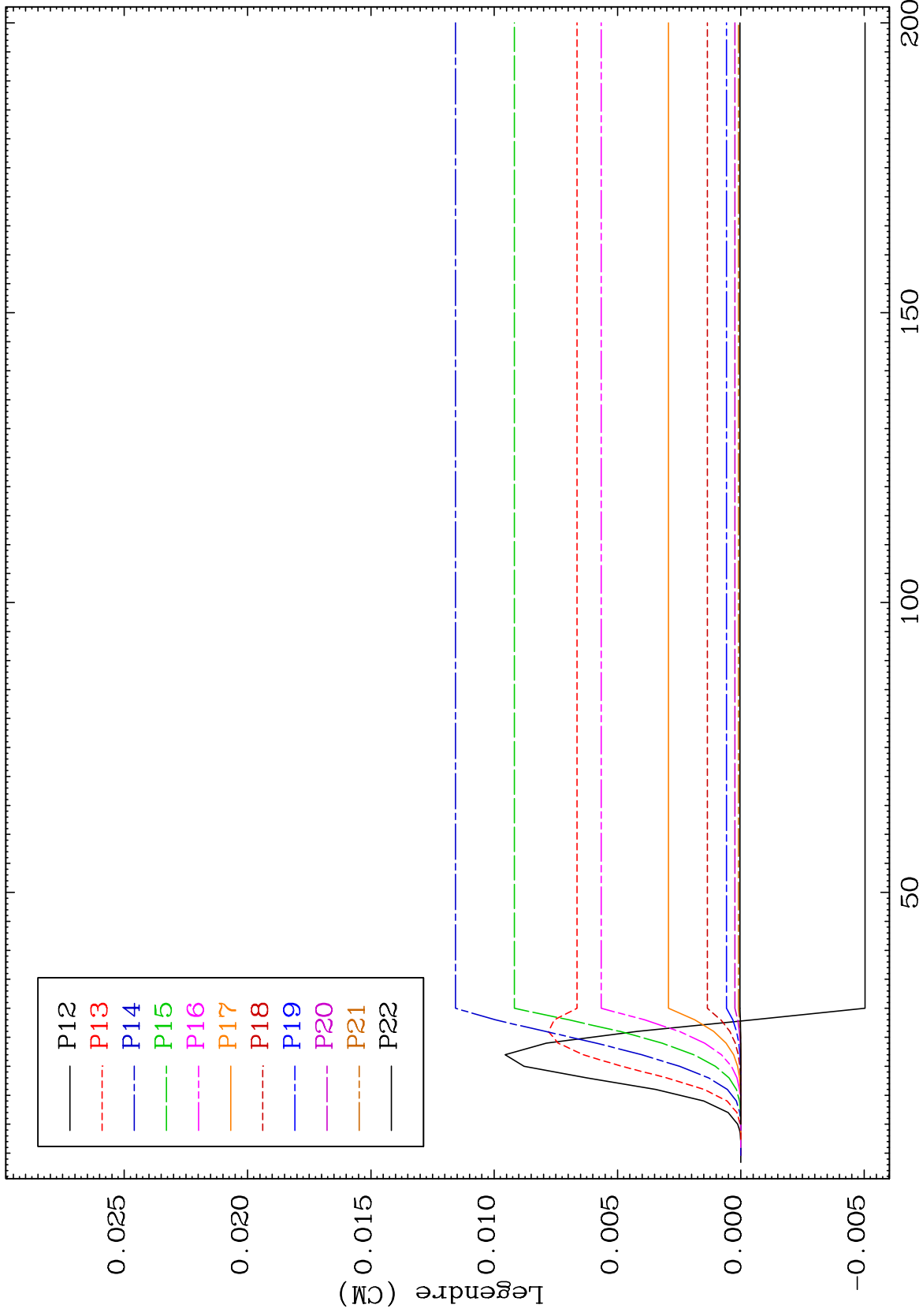


MAT 2719

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

27-Co-57

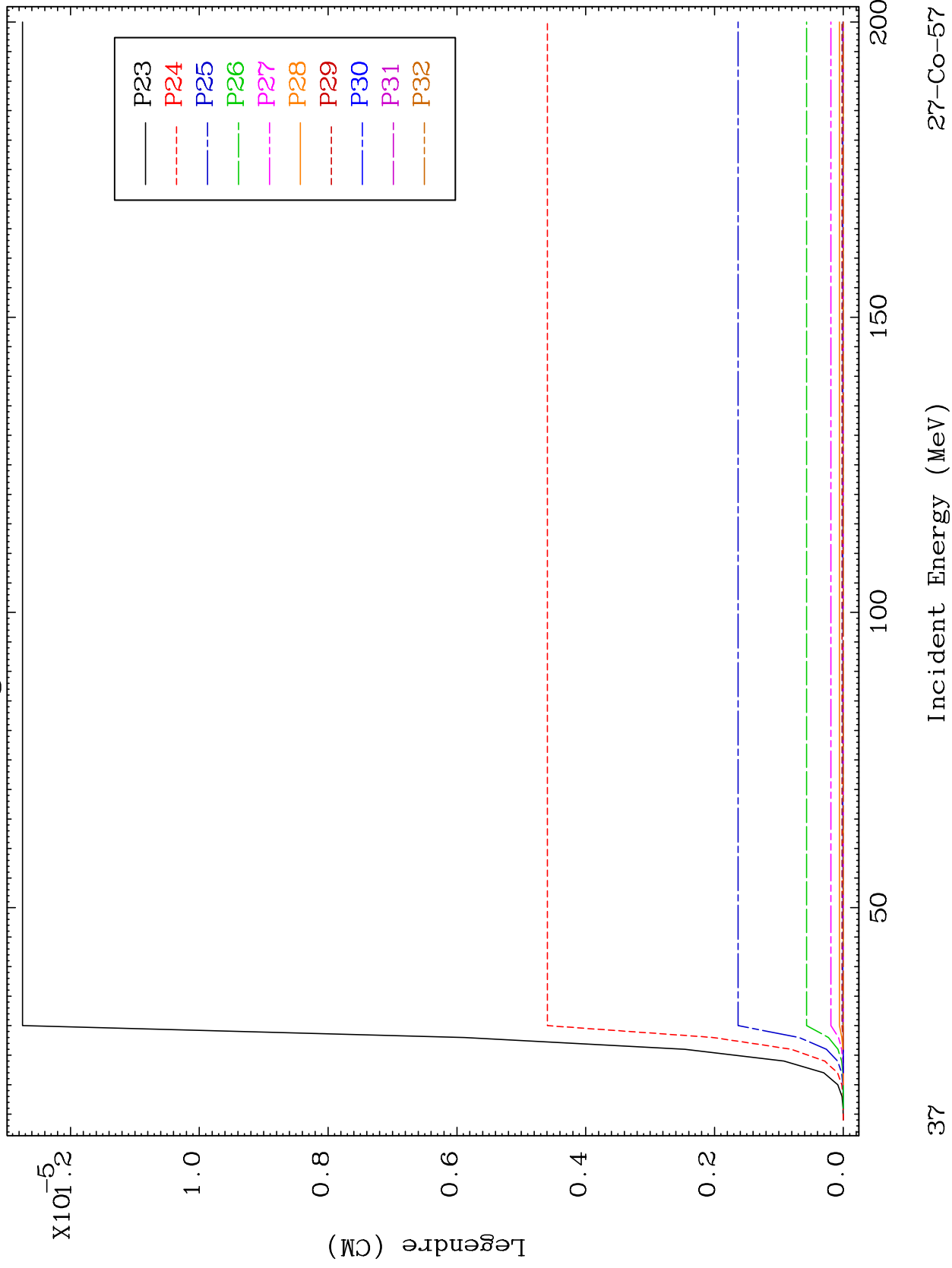




MAT 2719

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

27-Co-57



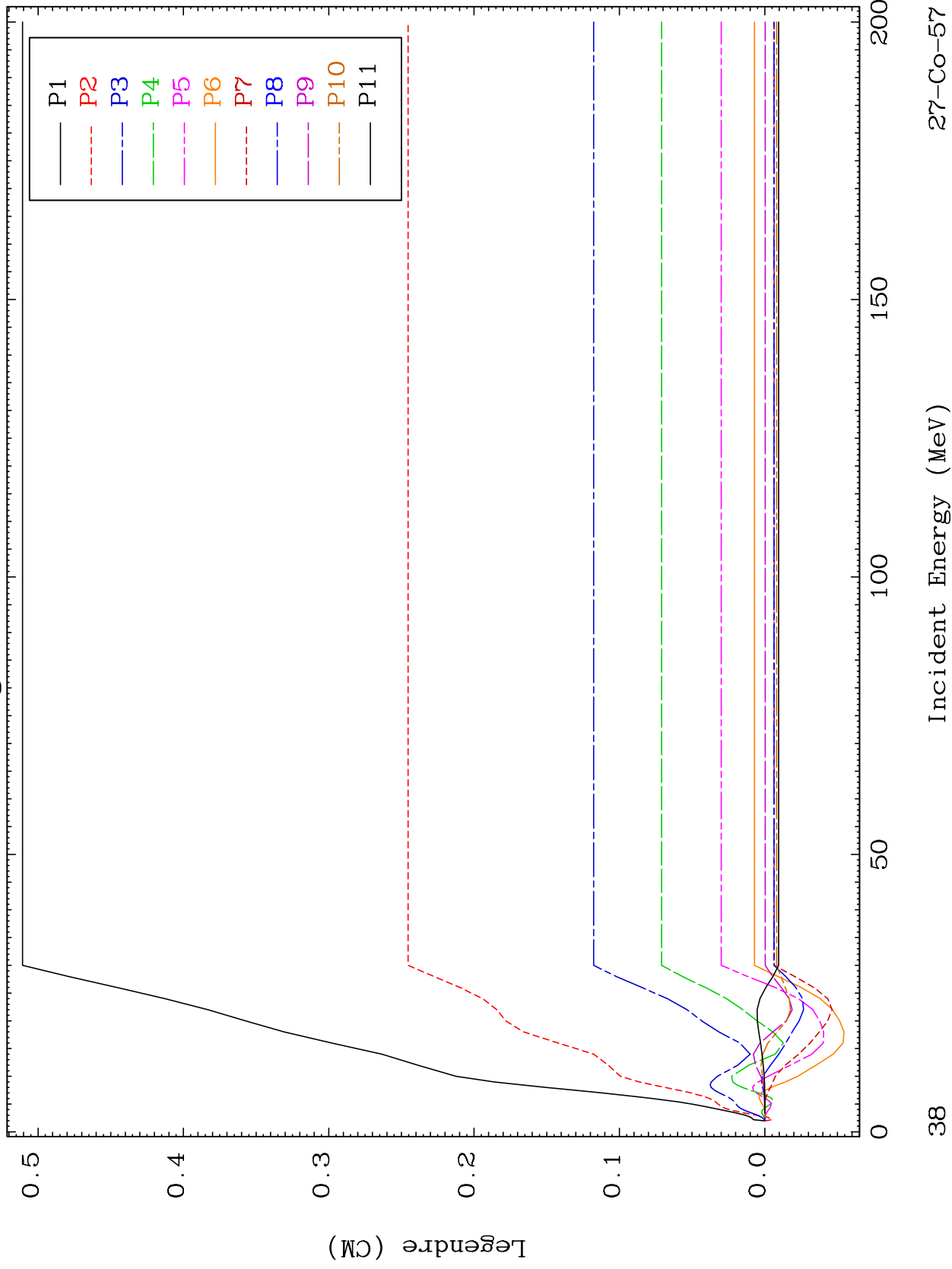
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27-Co-57

MAT 2719

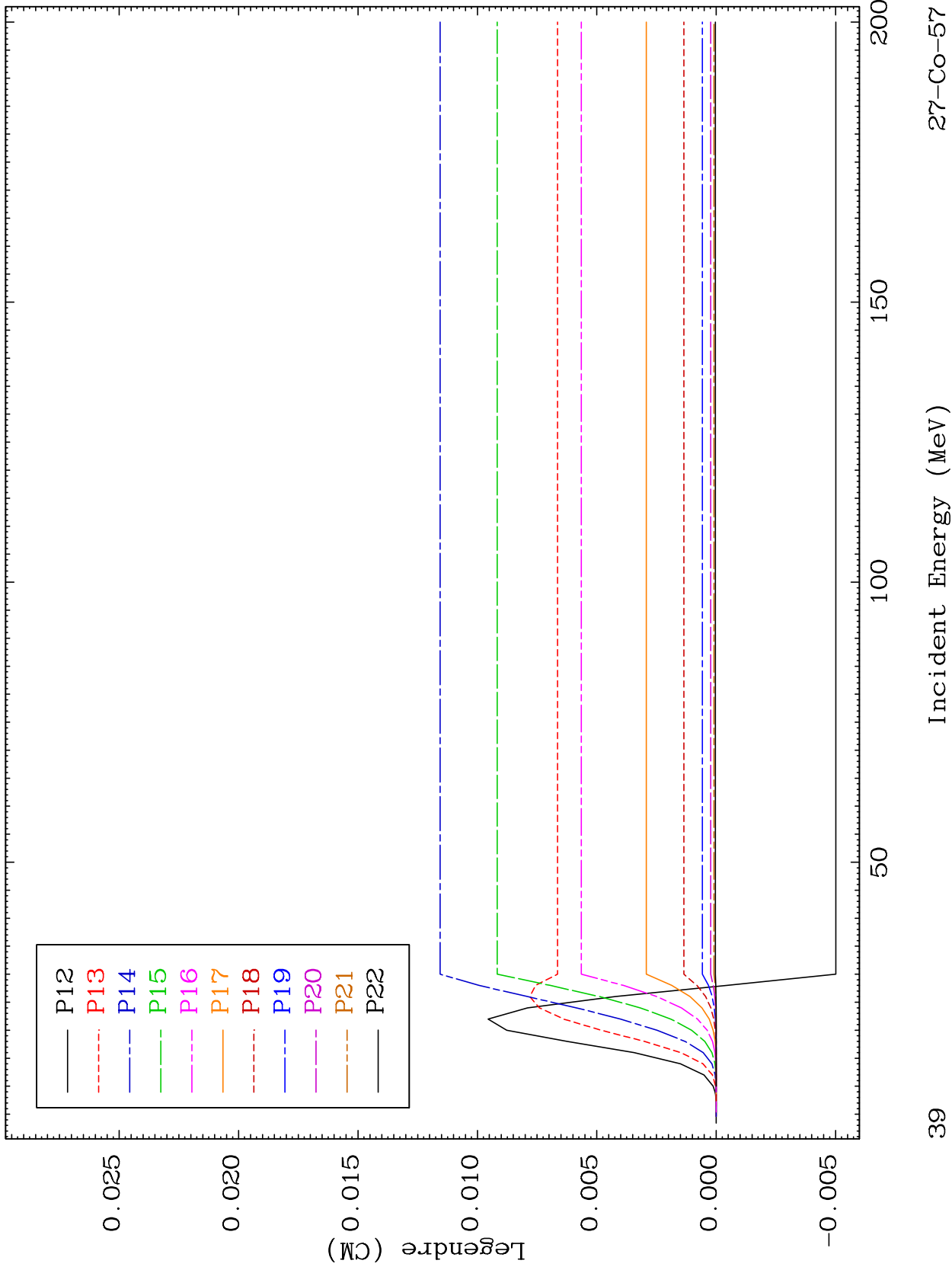
MT= 57 (n,n') Level
Legendre Coefficients

27-Co-57



38

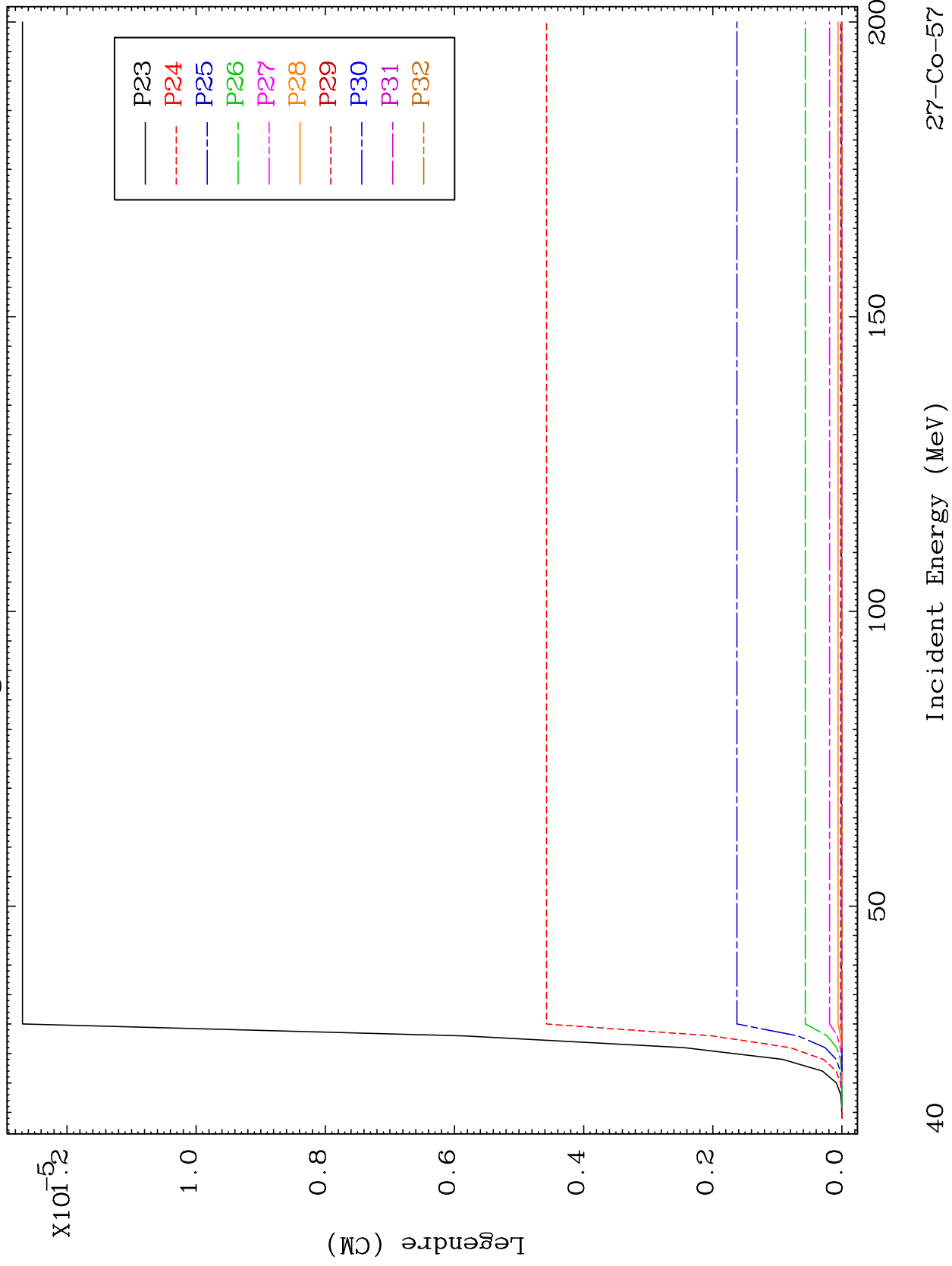
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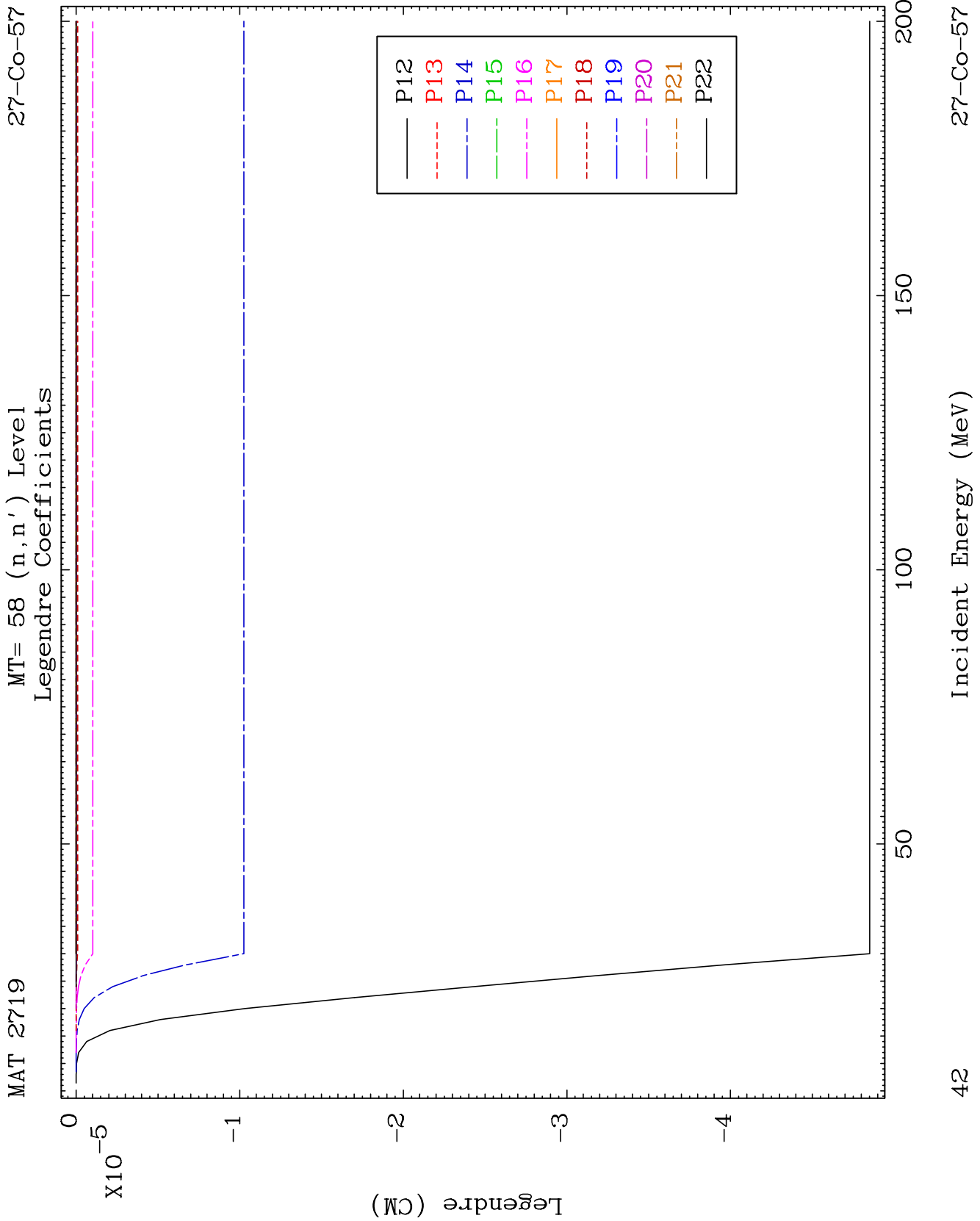


MAT 2719

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

27-Co-57

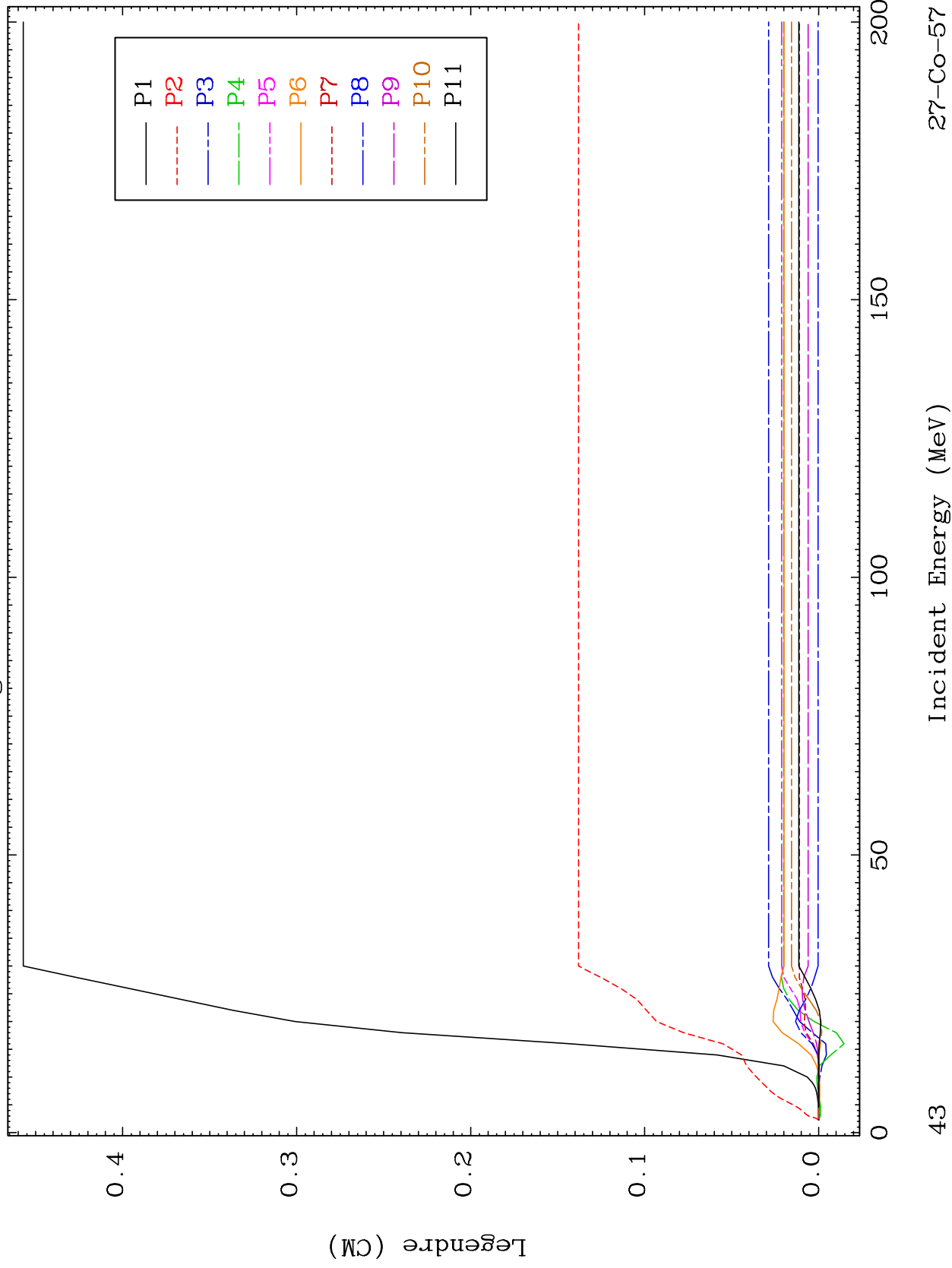




MAT 2719

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

27-Co-57



27-Co-57

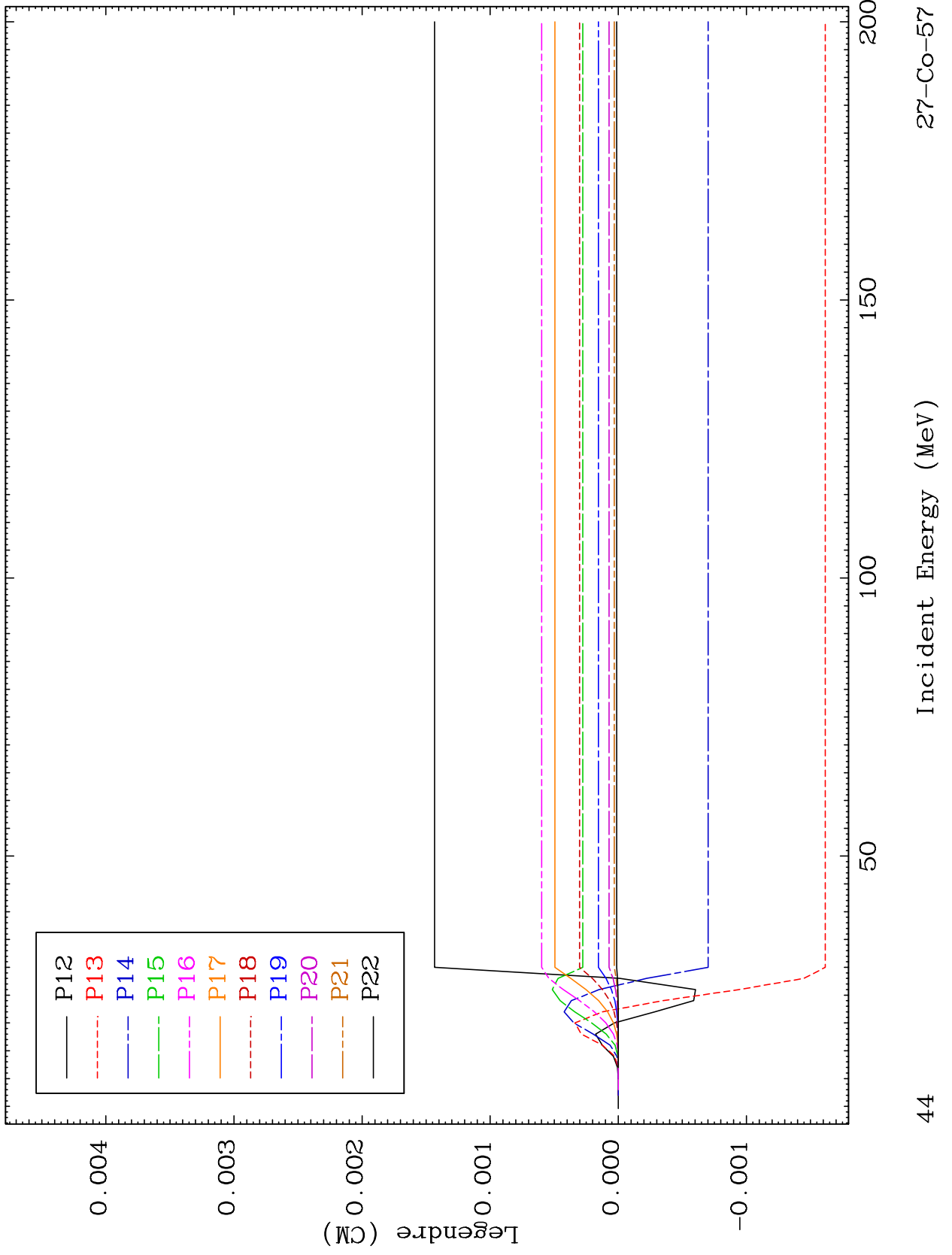
Incident Energy (MeV)

43

MAT 2719

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

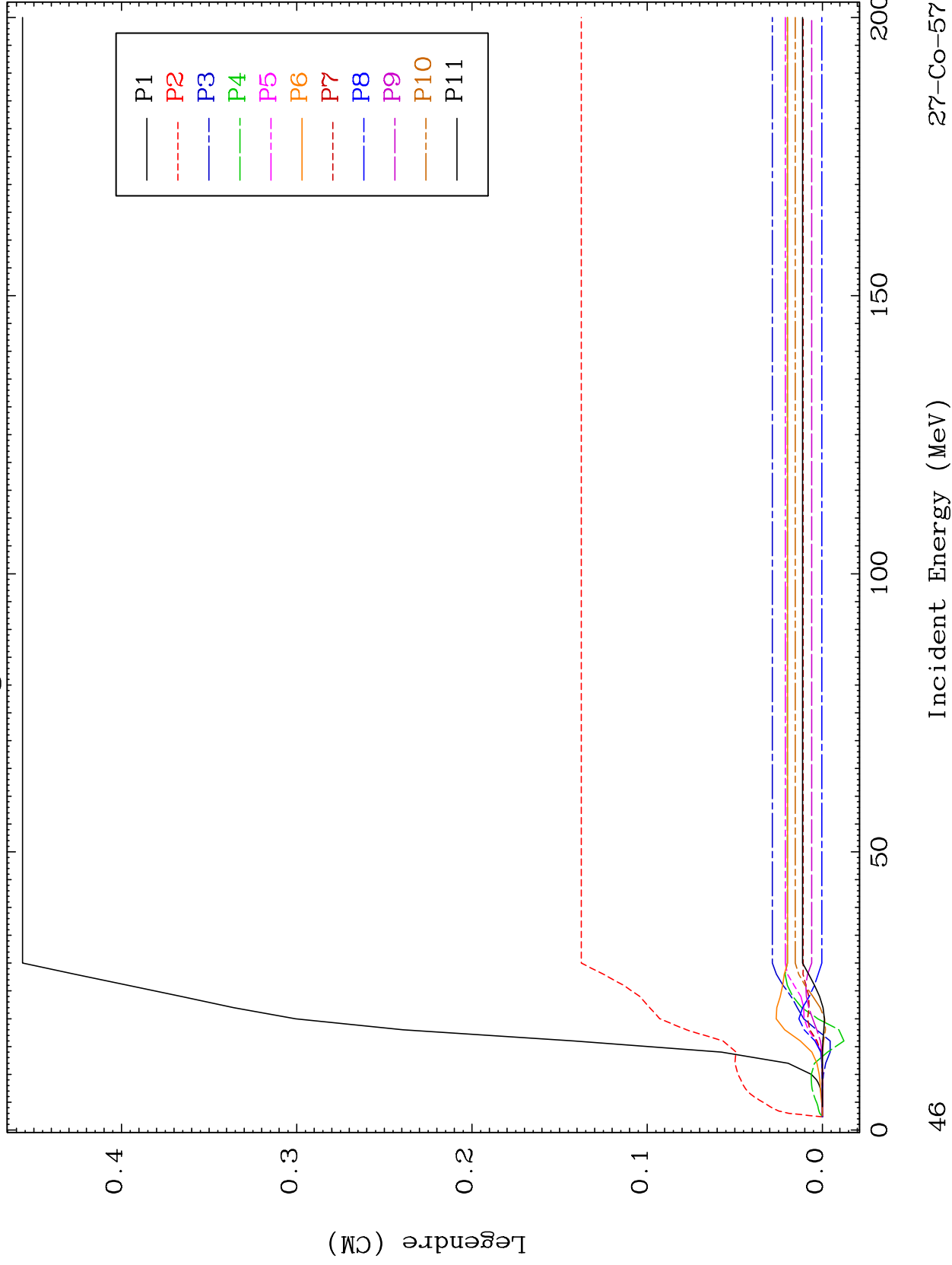
27-Co-57



MAT 2719

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

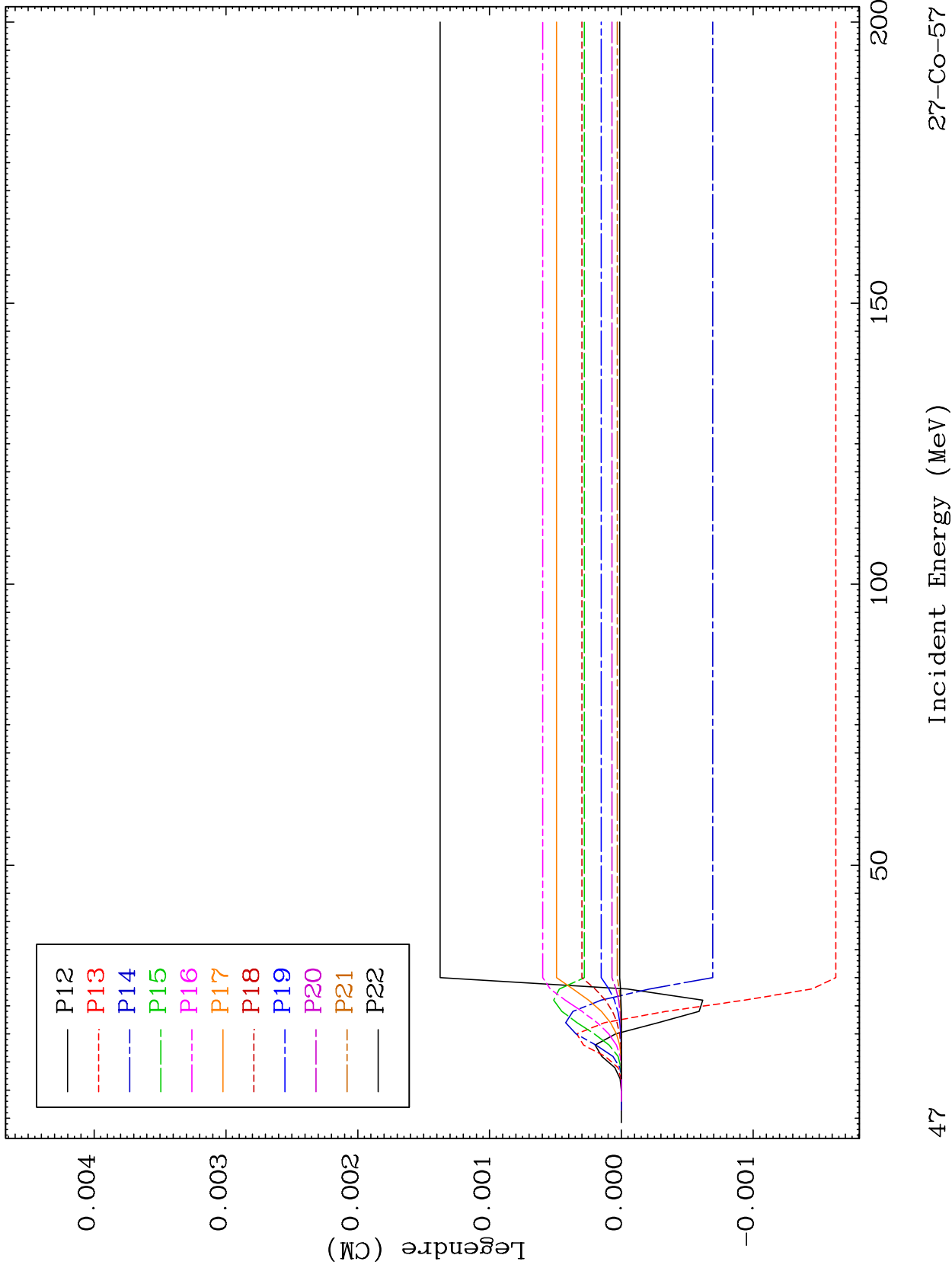
27-Co-57



MAT 2719

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

27-Co-57



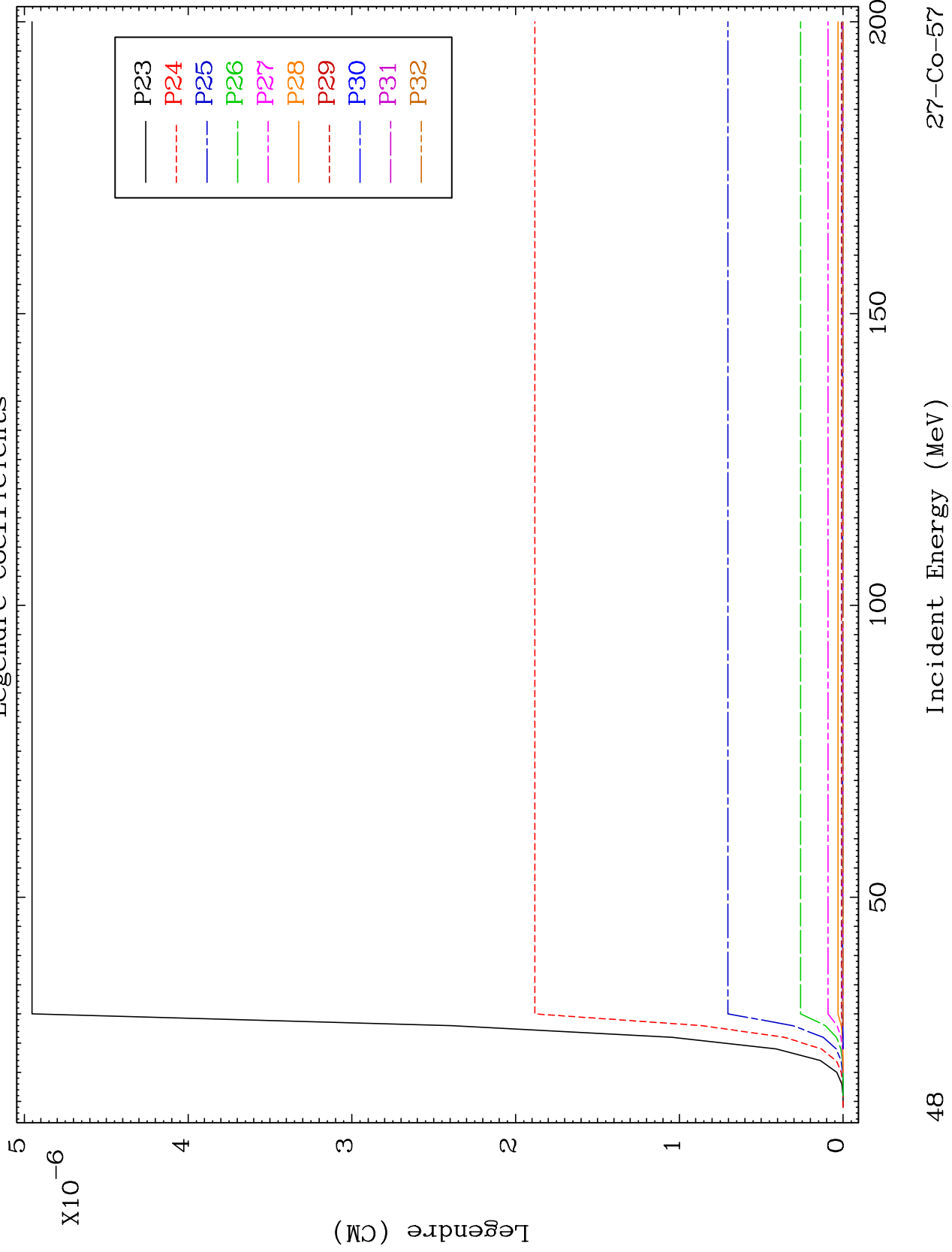
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27-Co-57

MAT 2719

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

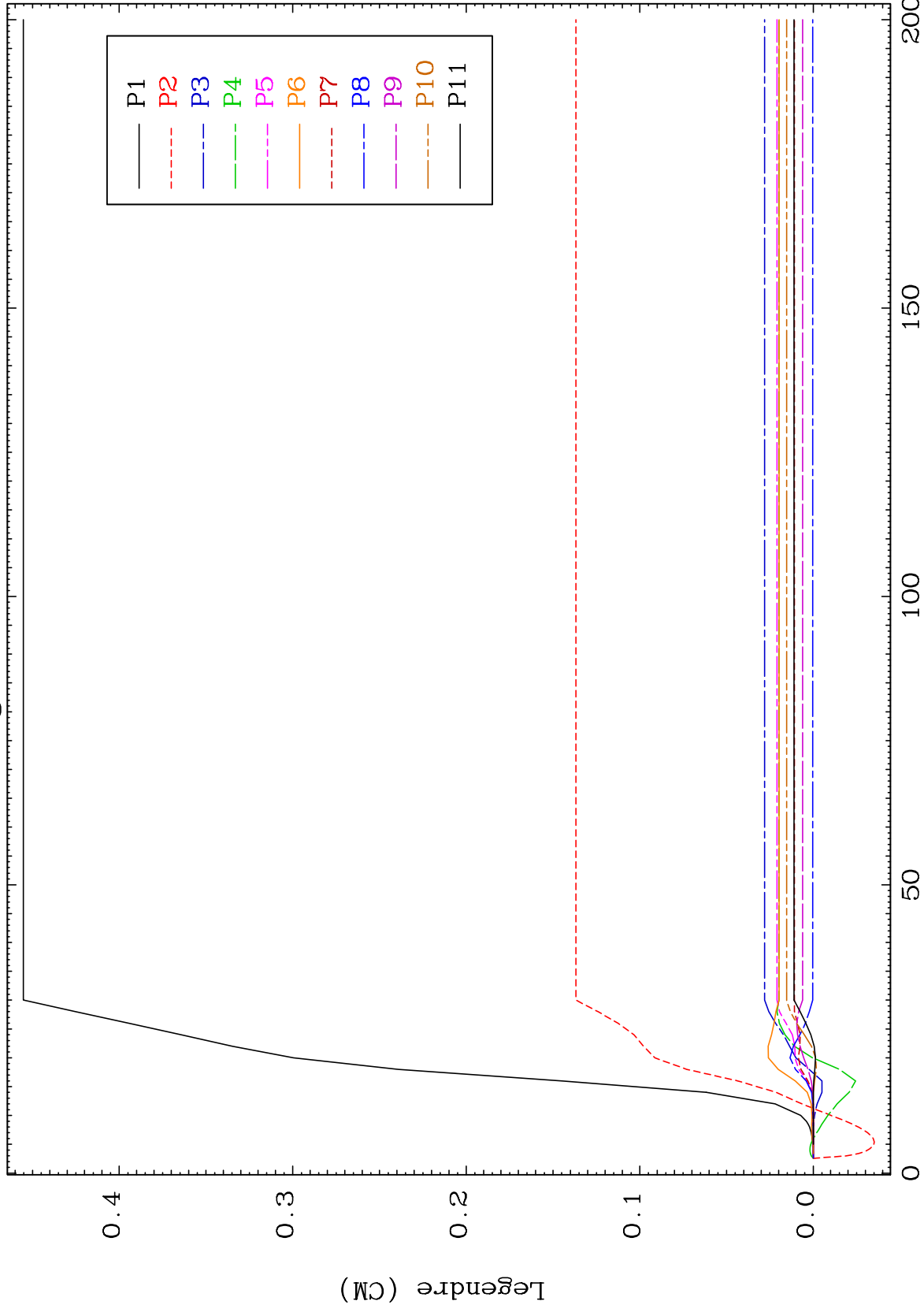
27-Co-57



MAT 2719

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

27-Co-57



49

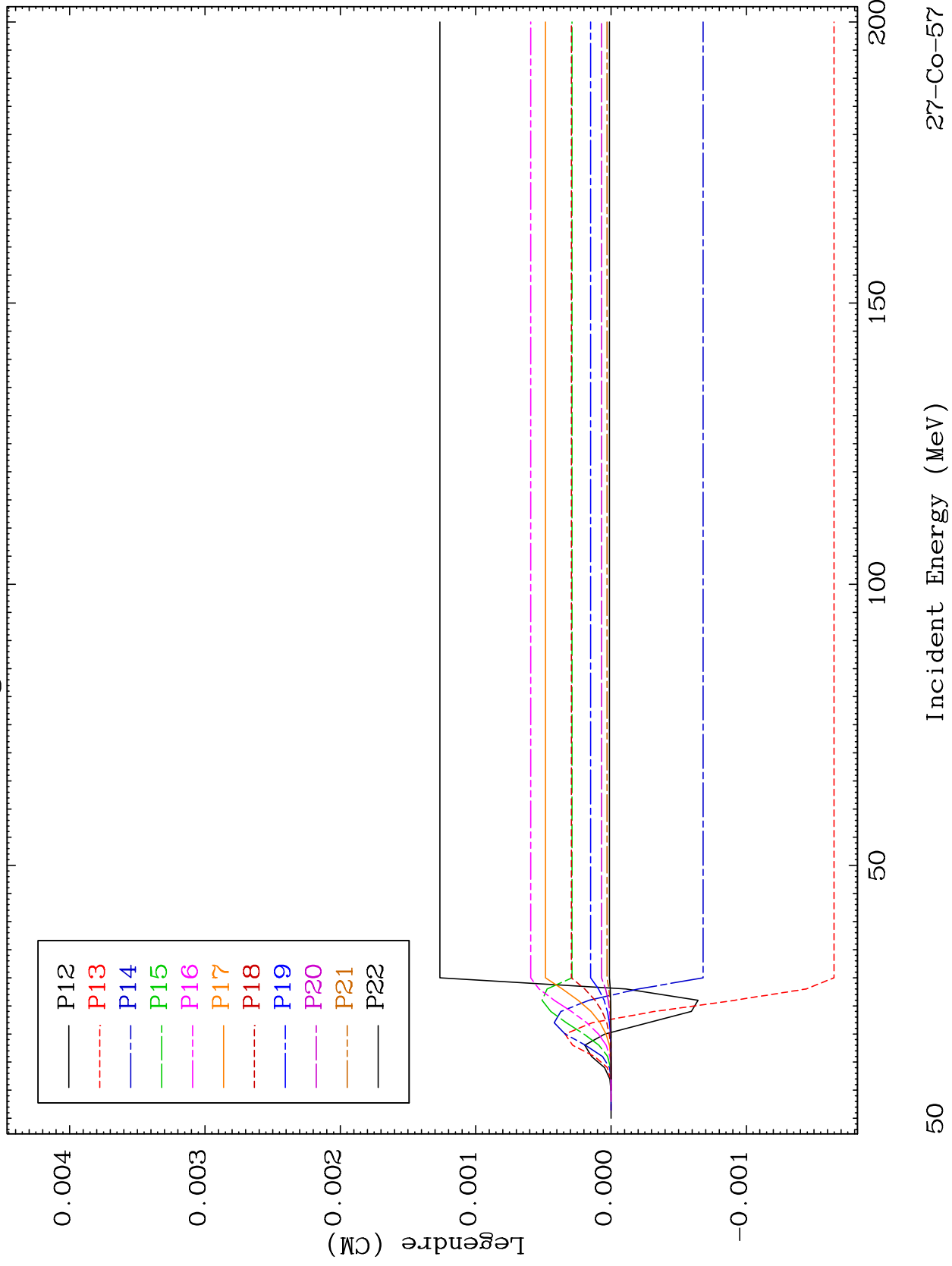
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



50

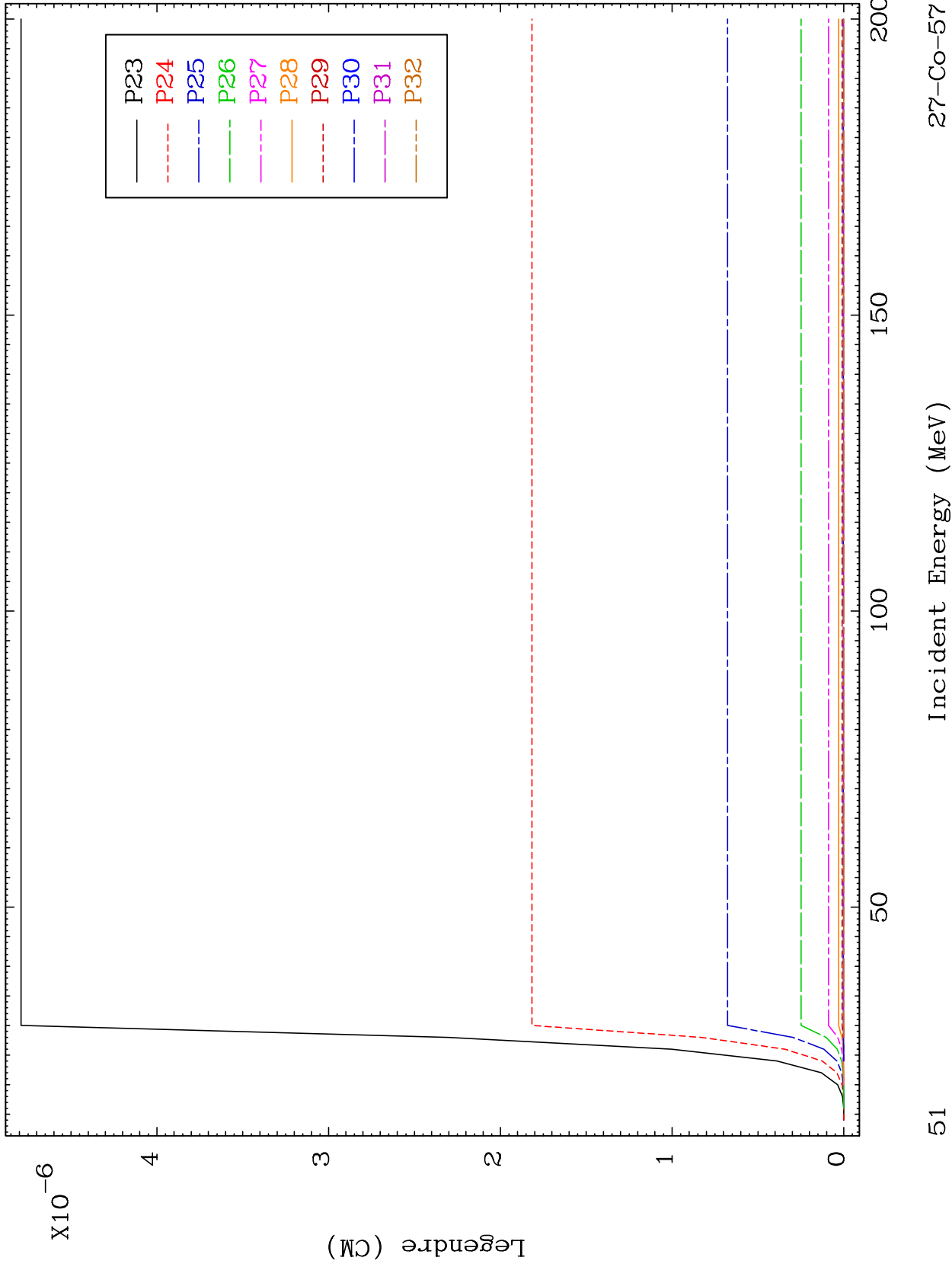
Incident Energy (MeV)

27-Co-57

MAT 2719

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

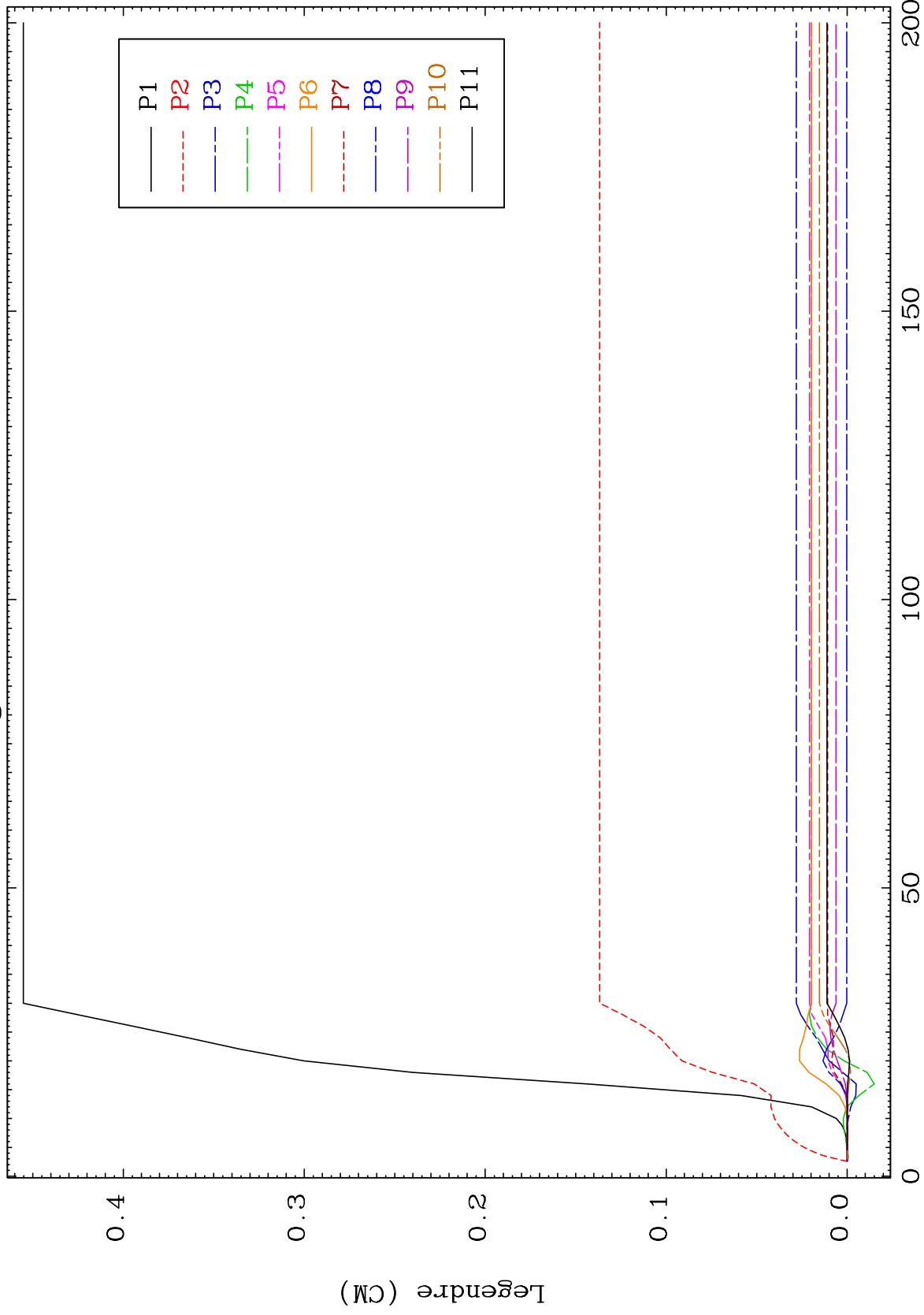
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MAT 2719

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

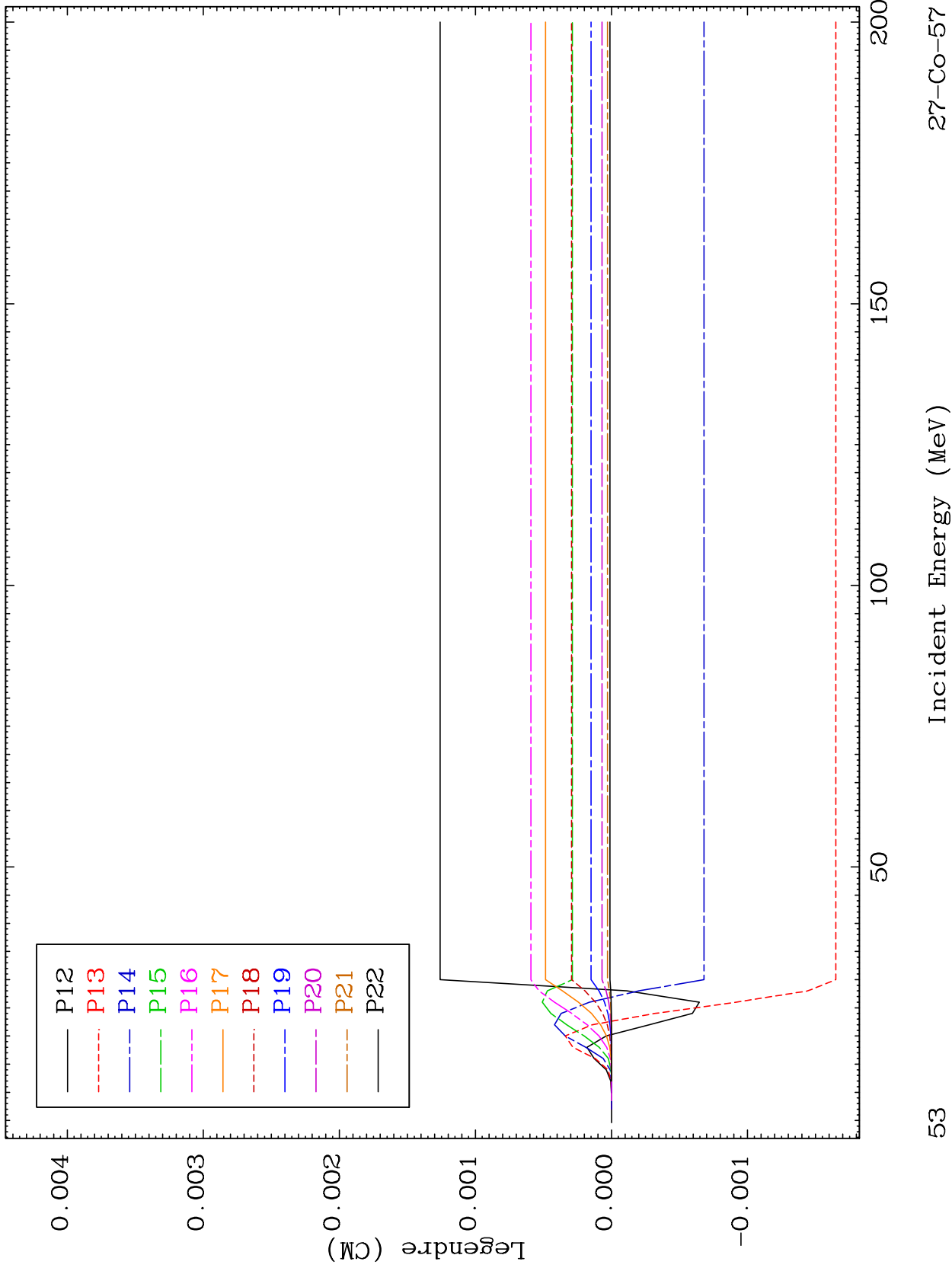
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52

Incident Energy (MeV)

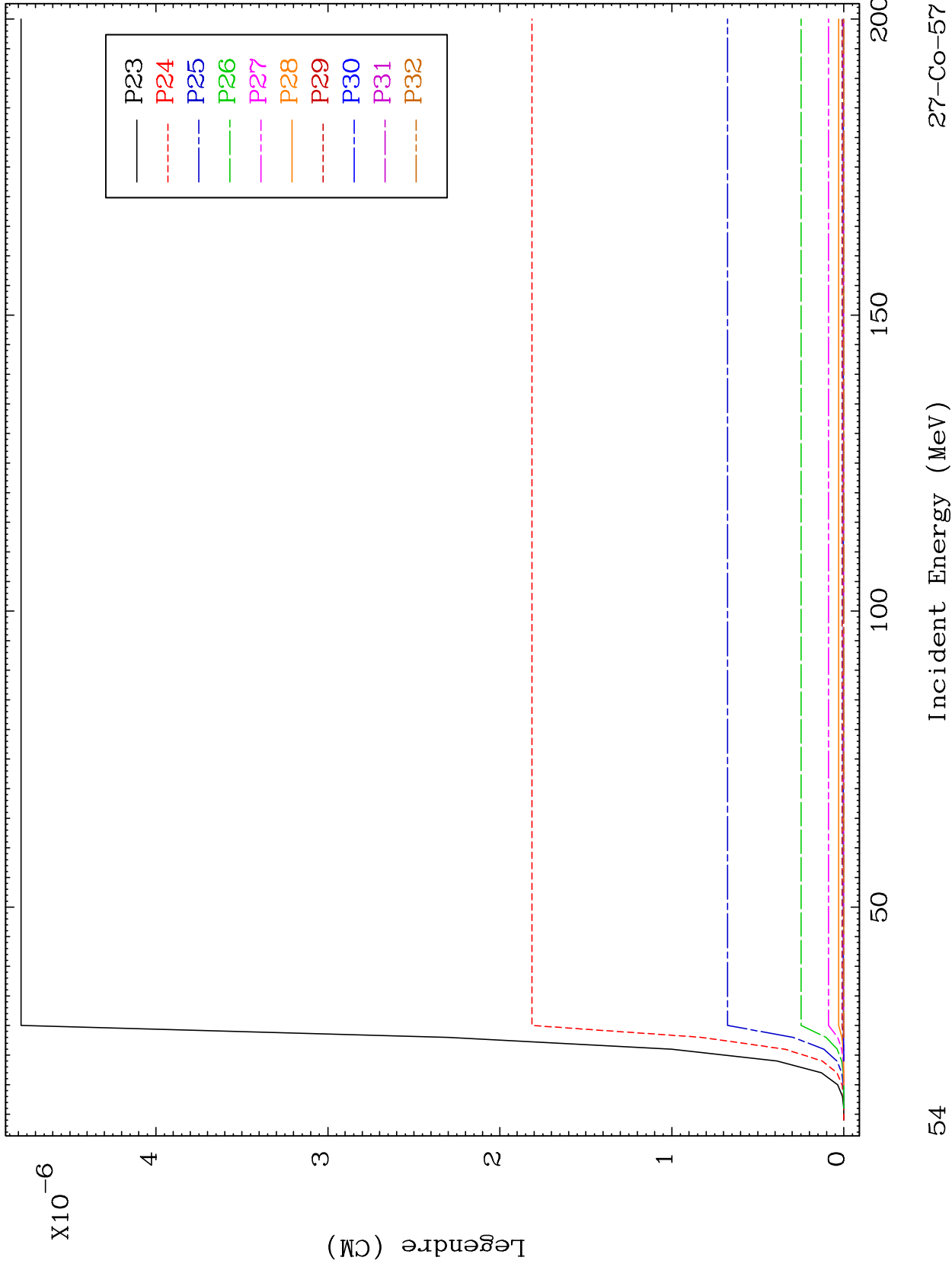
27-Co-57



MAT 2719

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

27-Co-57



54

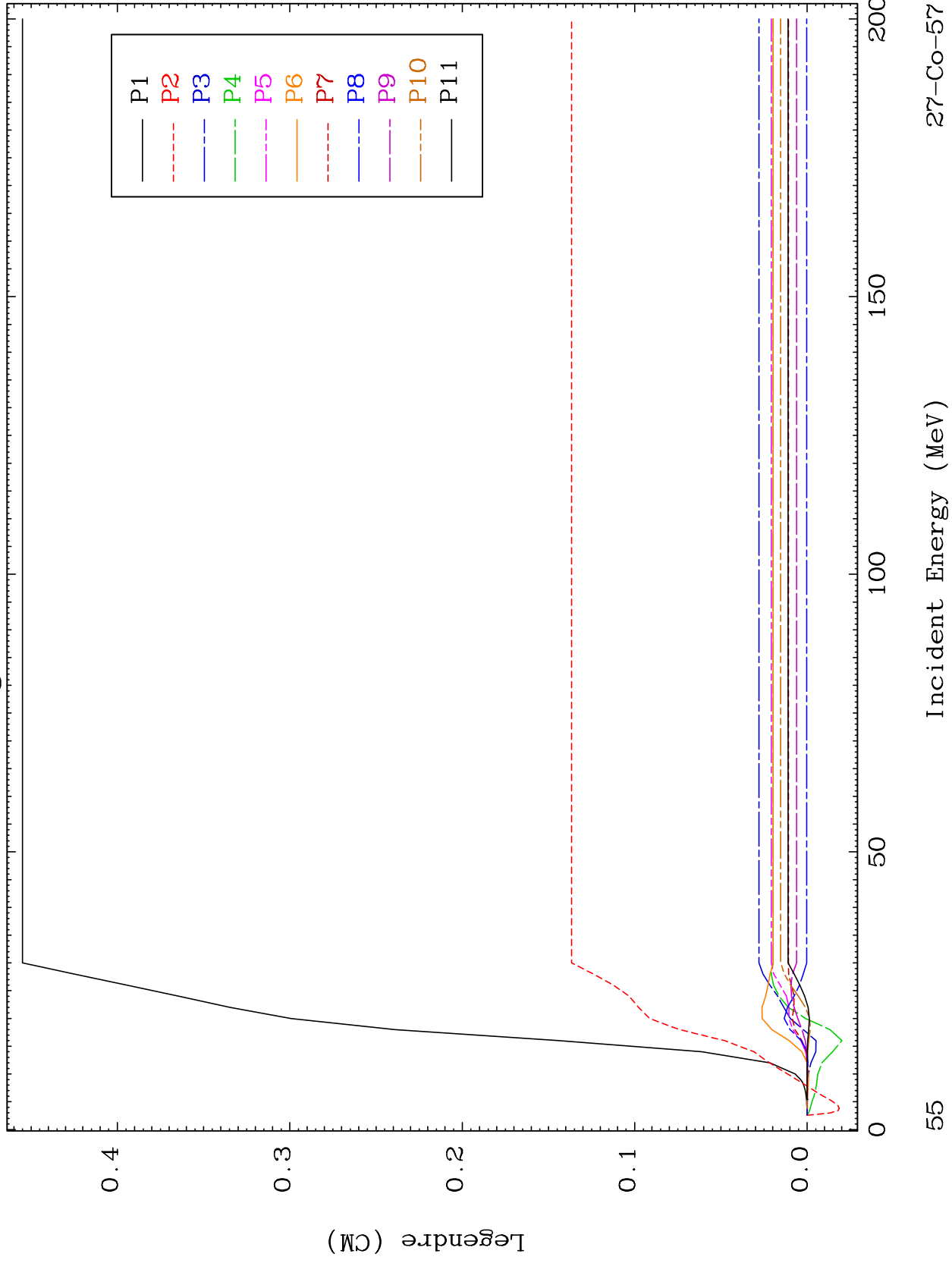
Incident Energy (MeV)

27-Co-57

MAT 2719

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

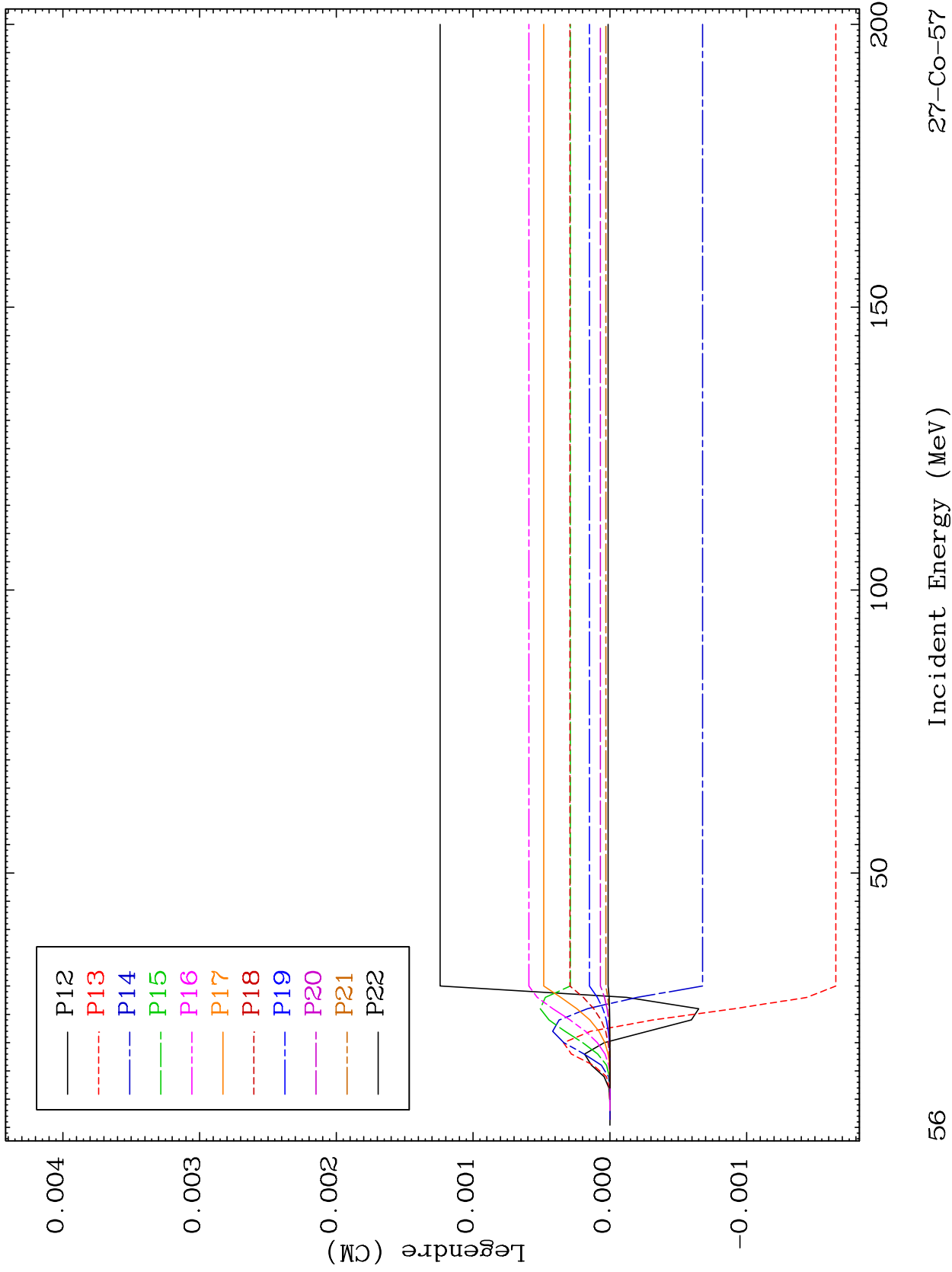
27-Co-57



27-Co-57

Incident Energy (MeV)

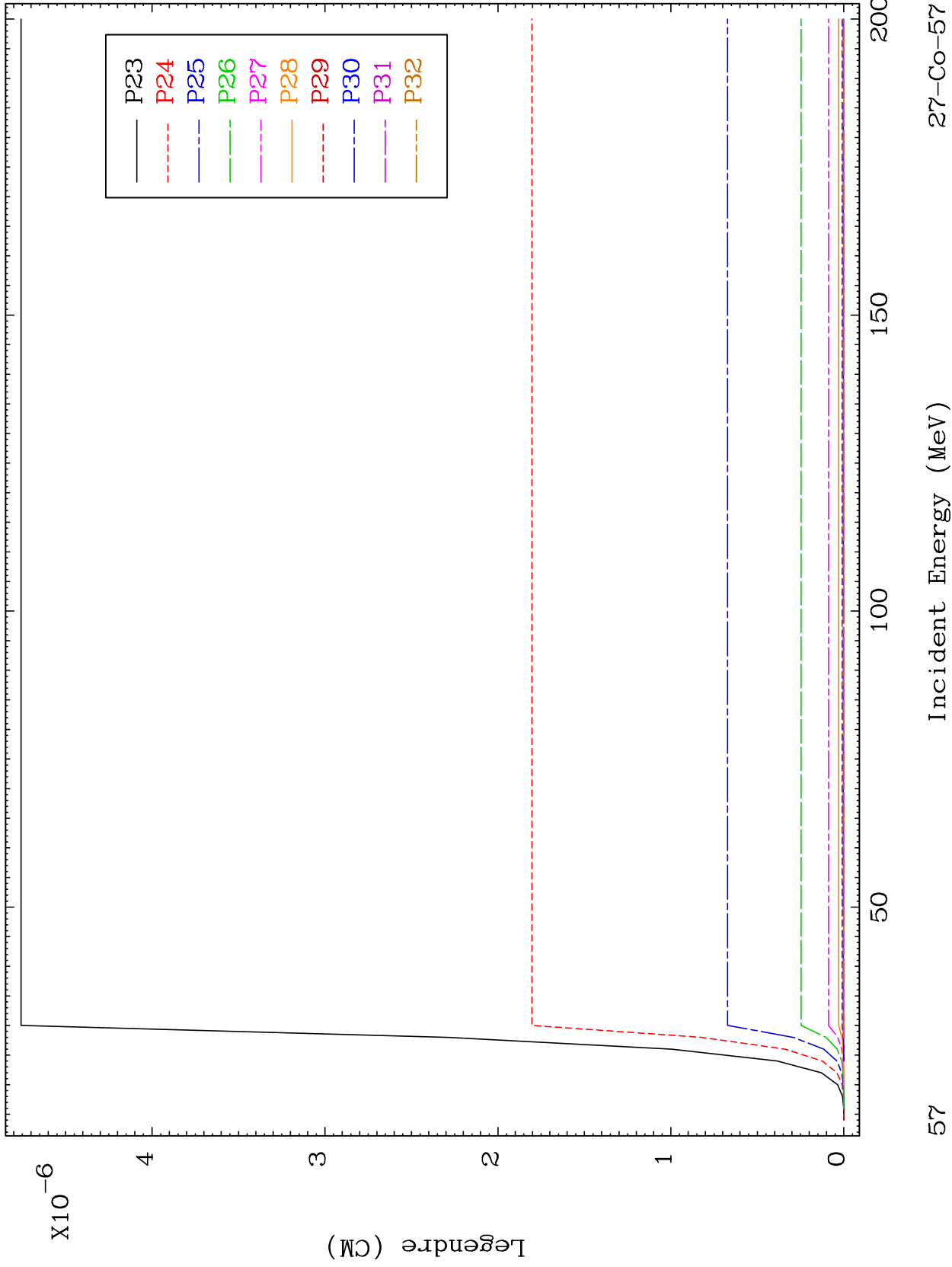
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MAT 2719

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

27-Co-57



57

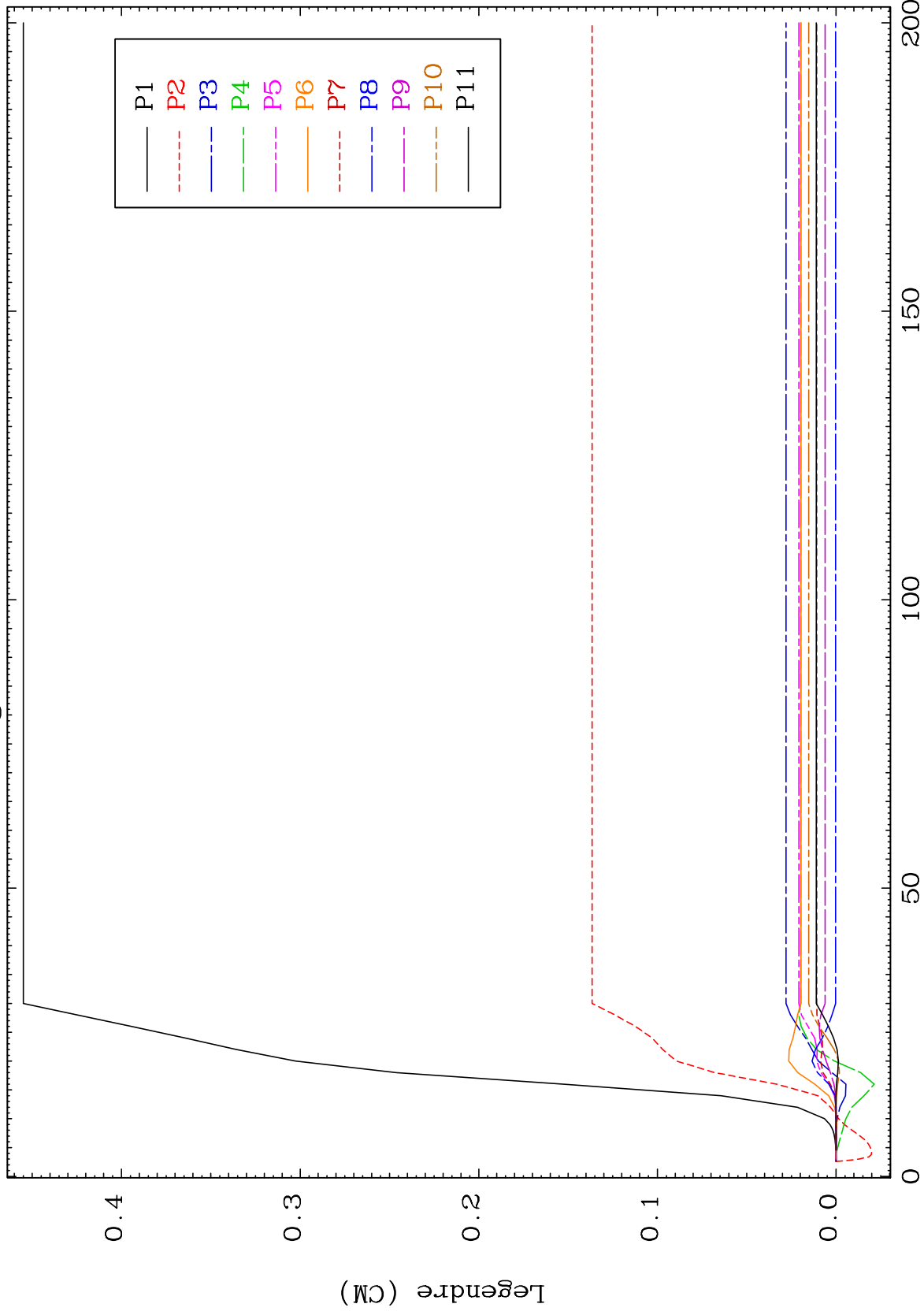
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



58

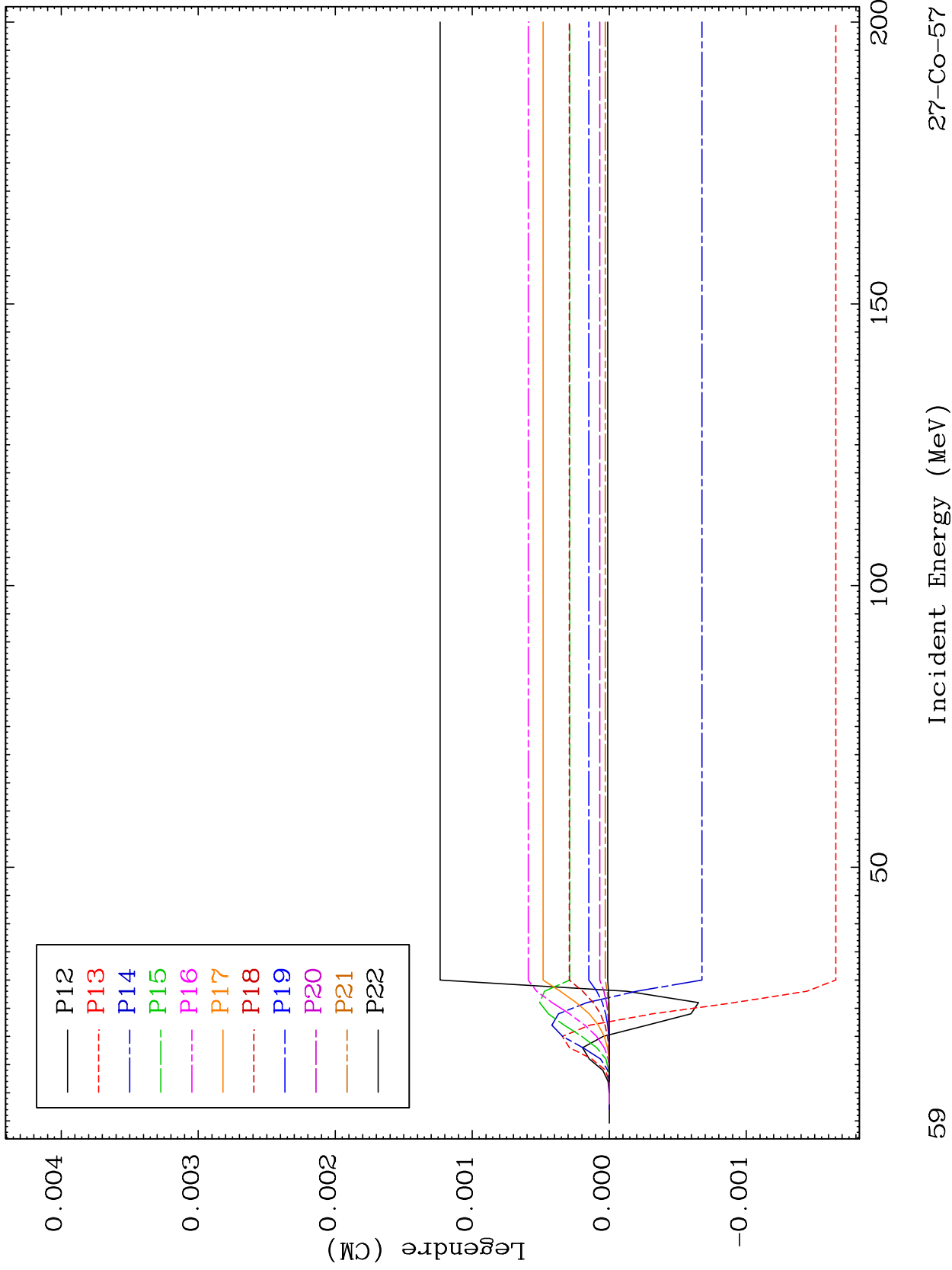
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



59

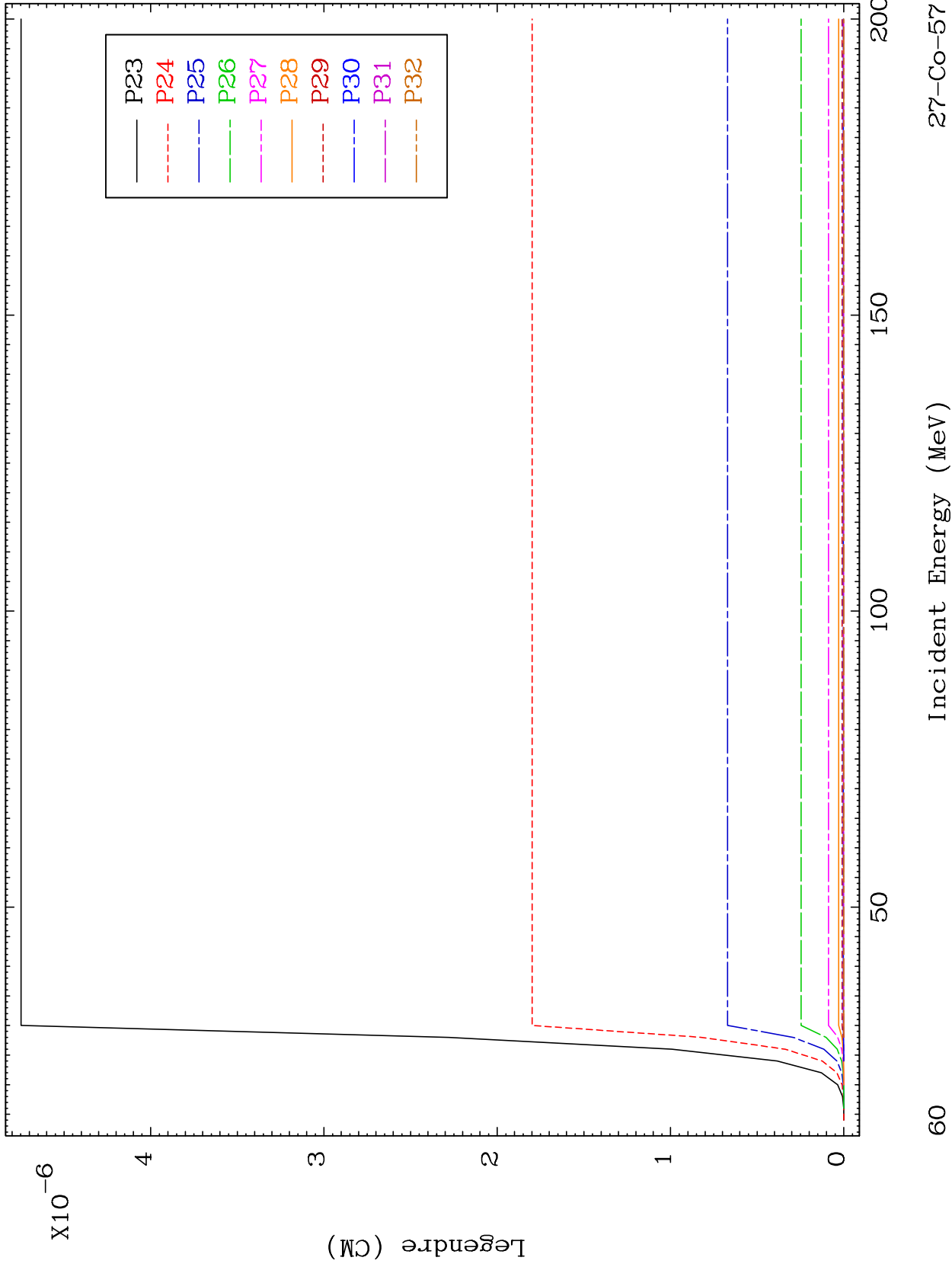
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57

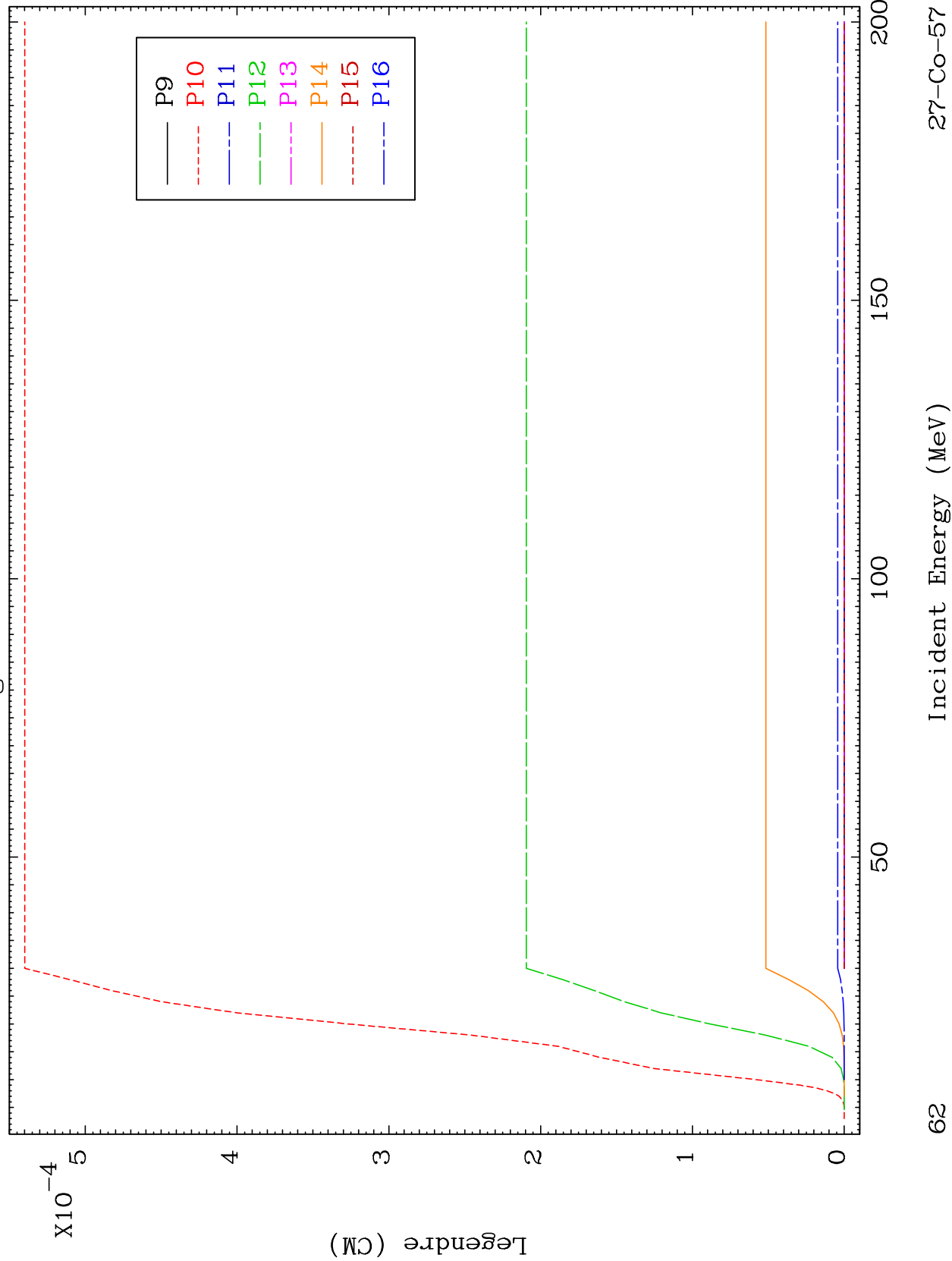


27-Co-57

MAT 2719

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

27-Co-57



62

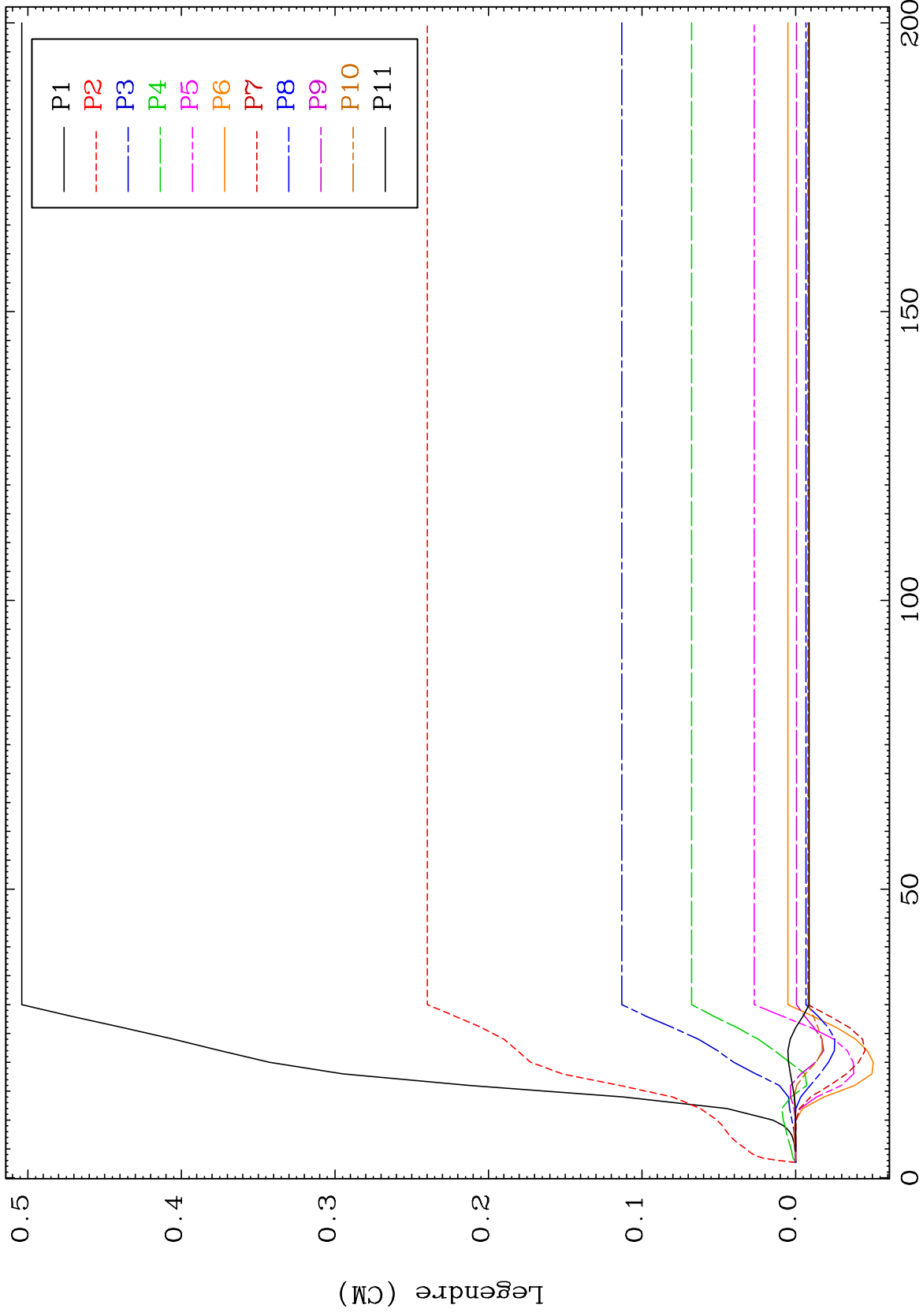
Incident Energy (MeV)

27-Co-57

MAT 2719

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

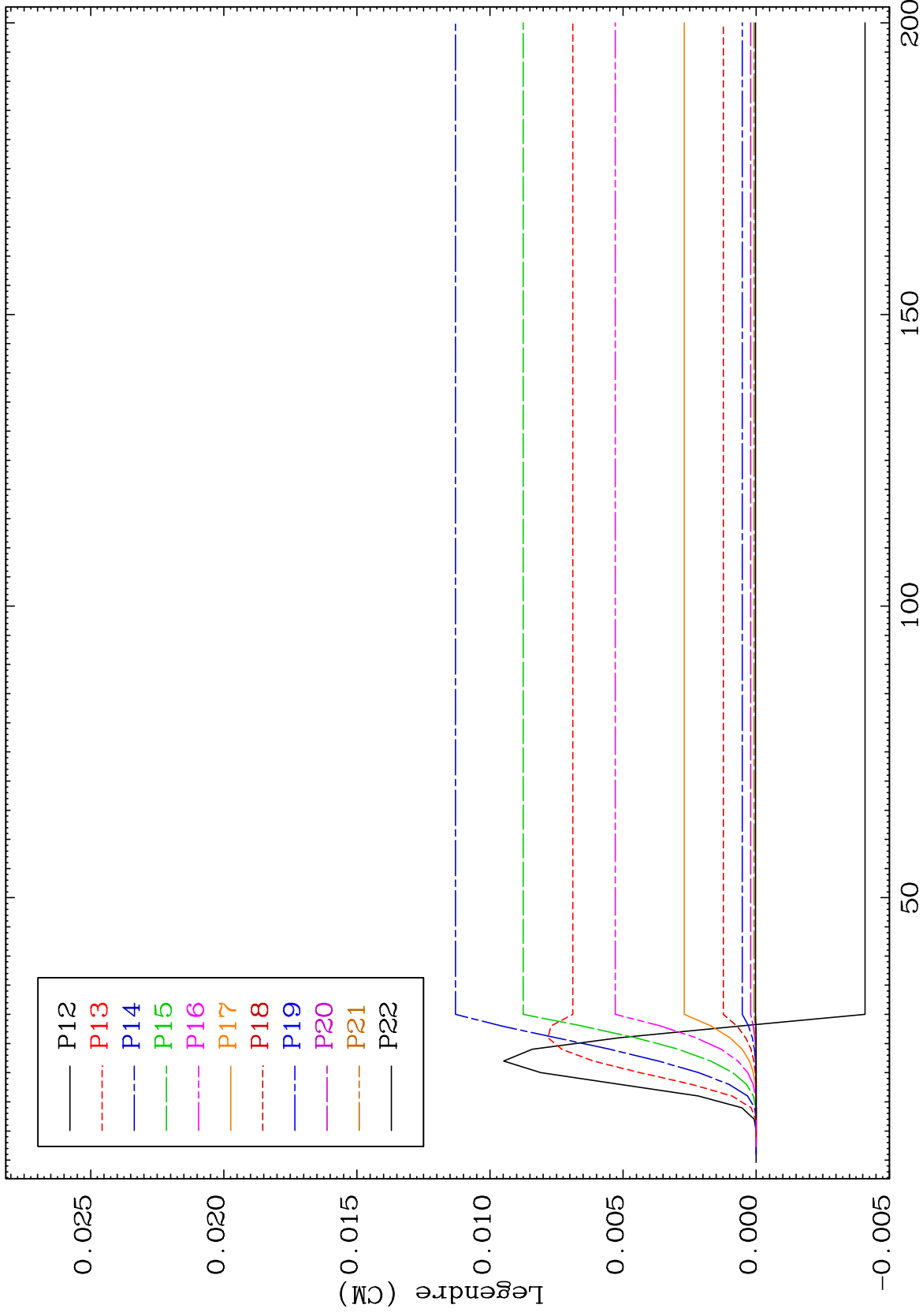
27-Co-57



64

Incident Energy (MeV)

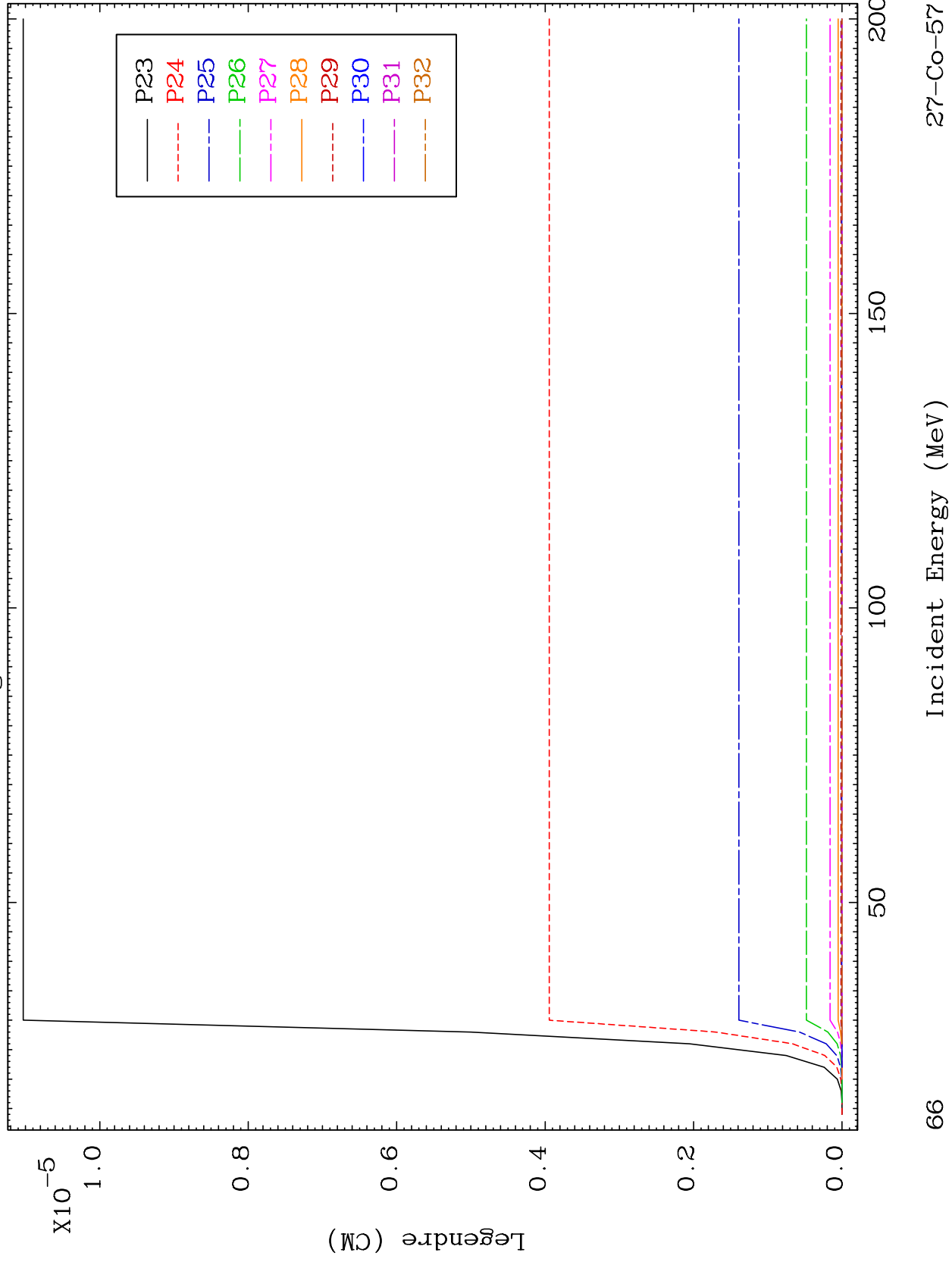
27-Co-57



MAT 2719

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

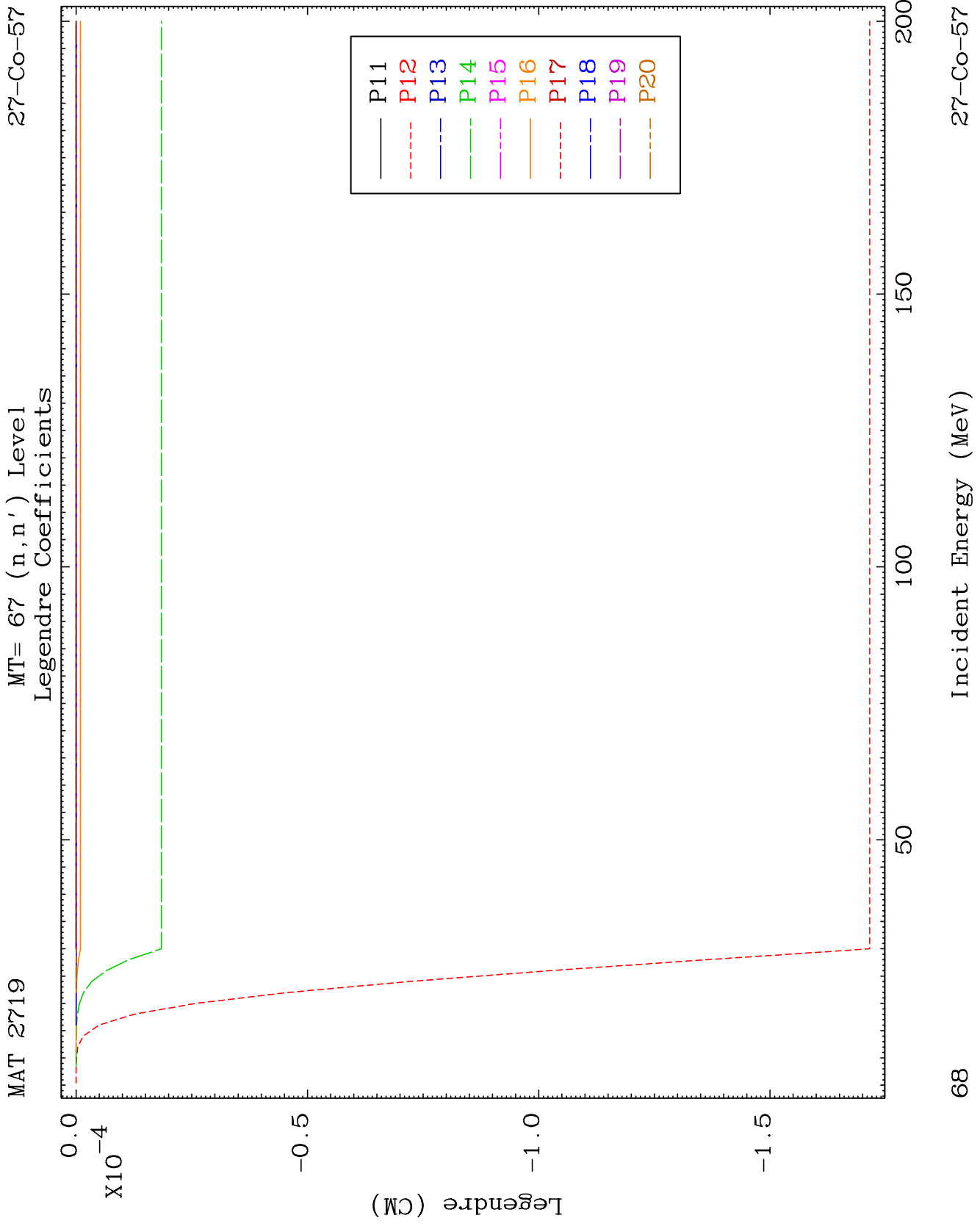
27-Co-57



66

Incident Energy (MeV)

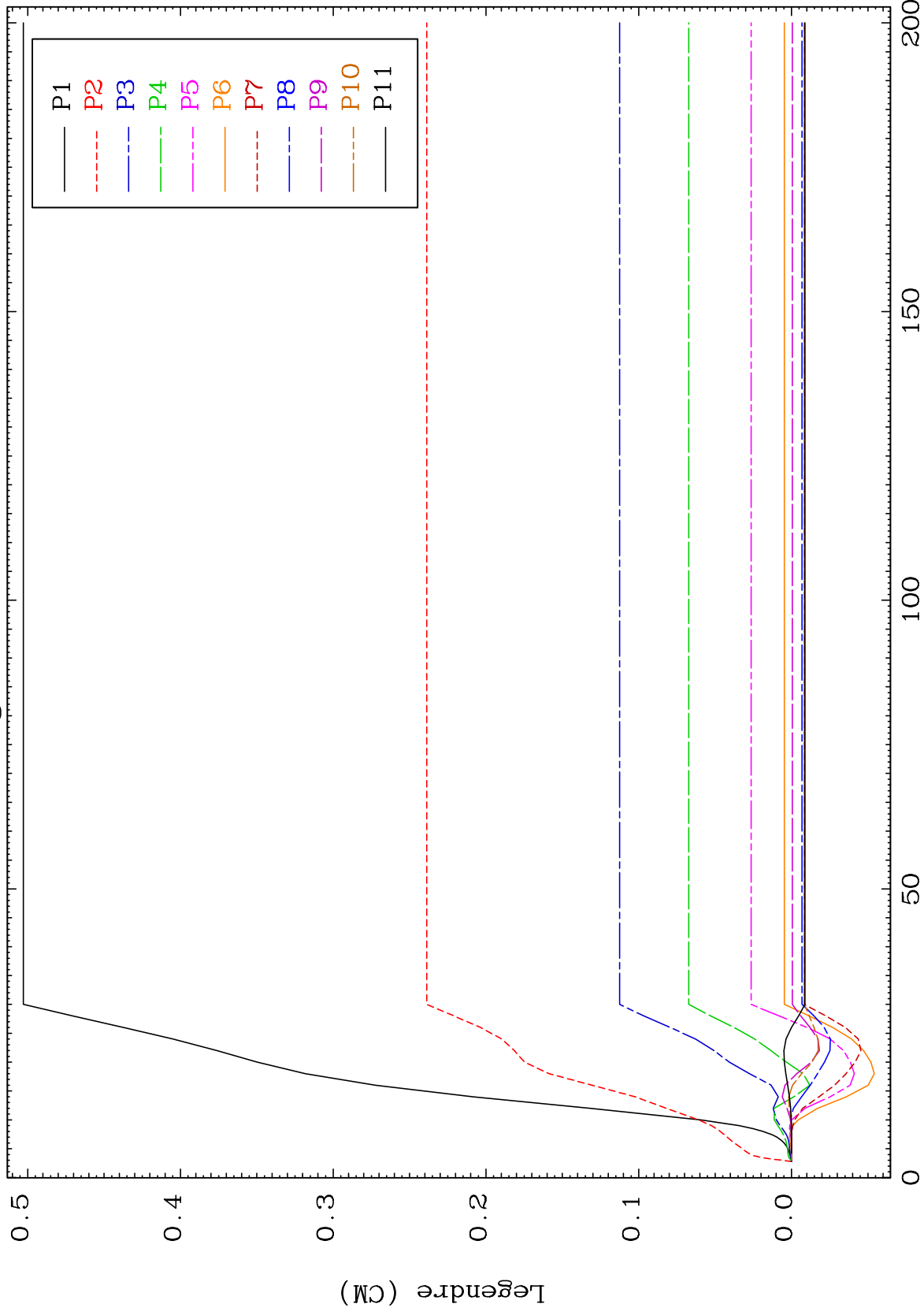
27-Co-57



MAT 2719

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

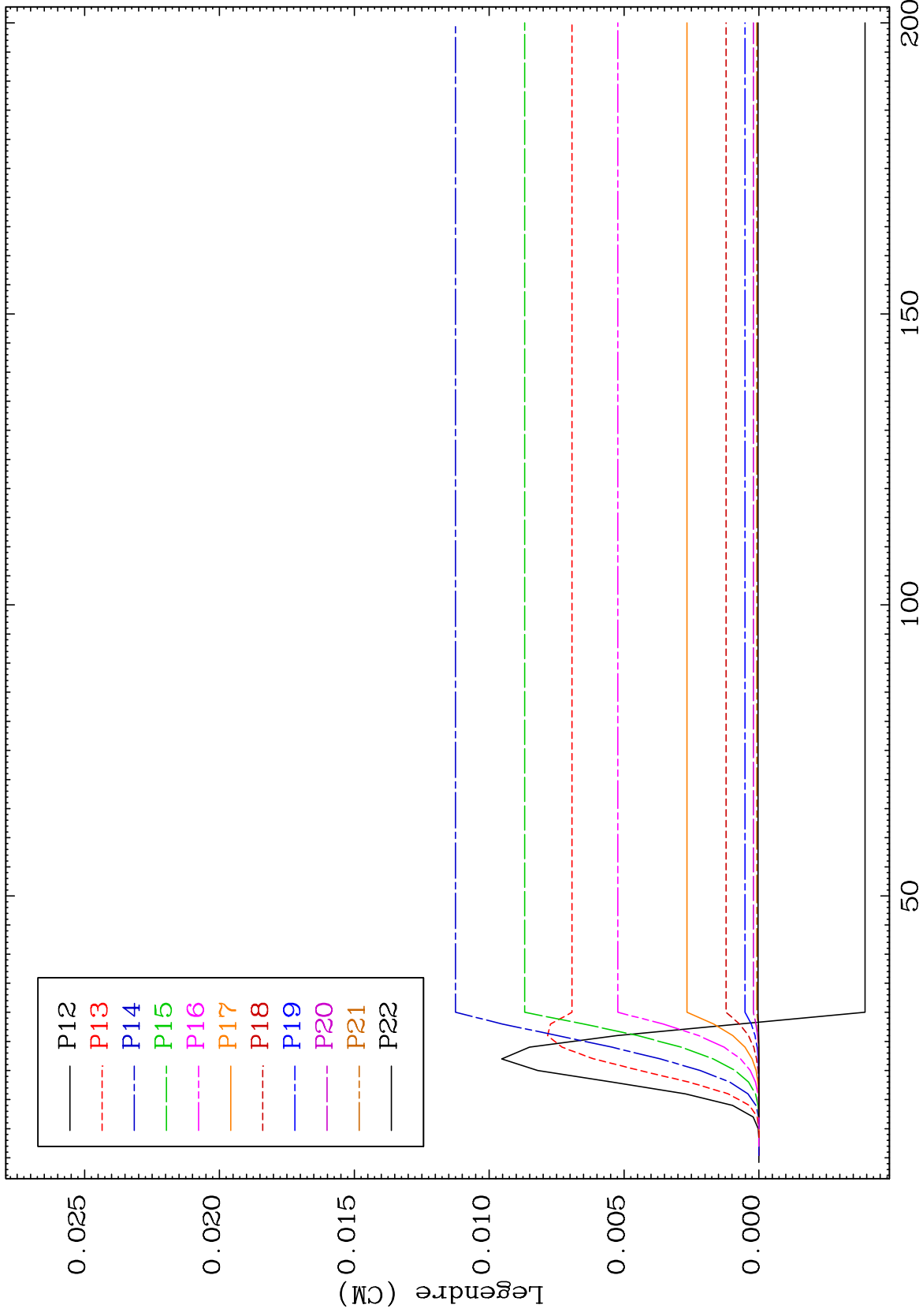
27-Co-57



69

Incident Energy (MeV)

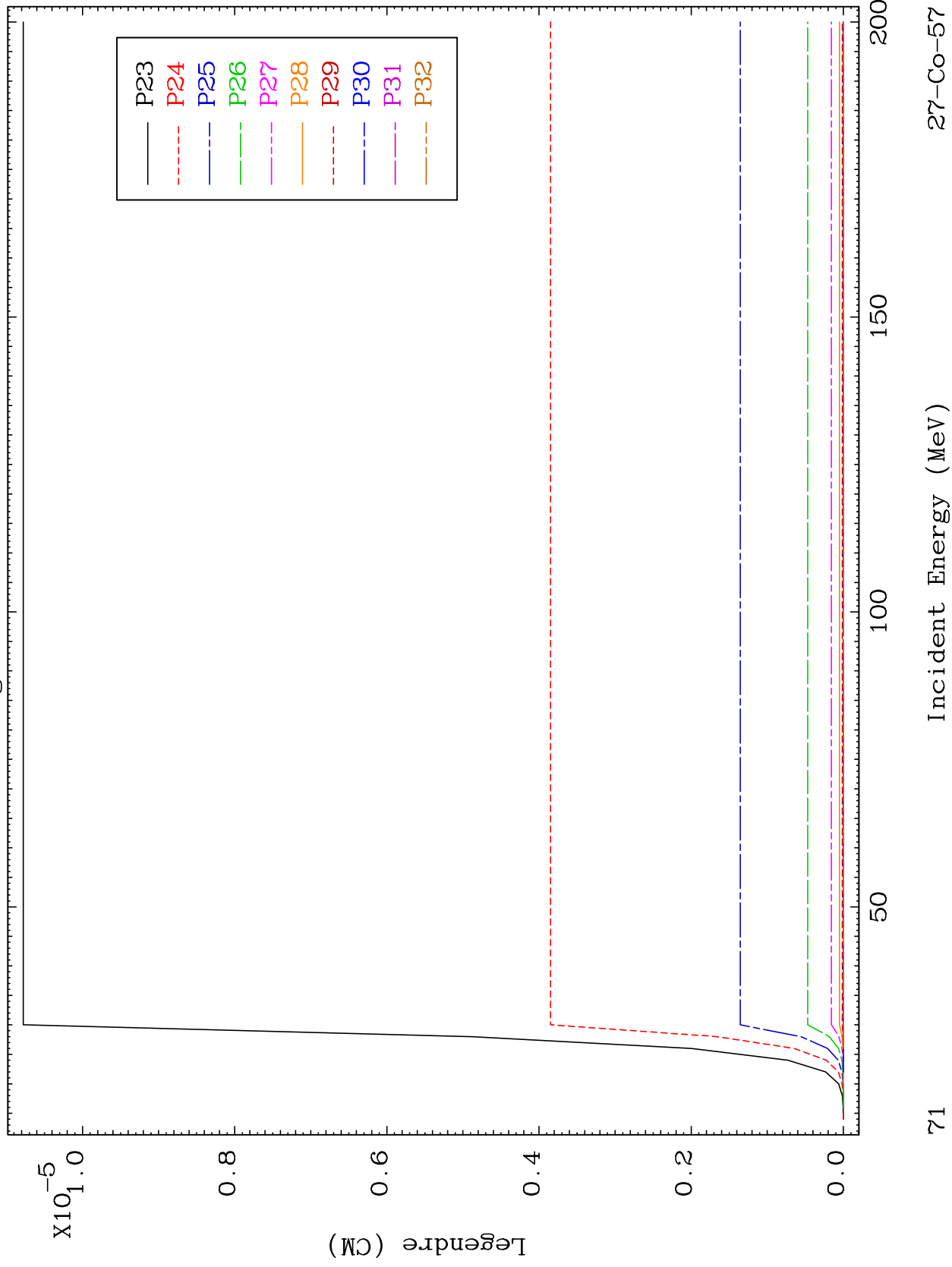
27-Co-57



MAT 2719

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

27-Co-57



71

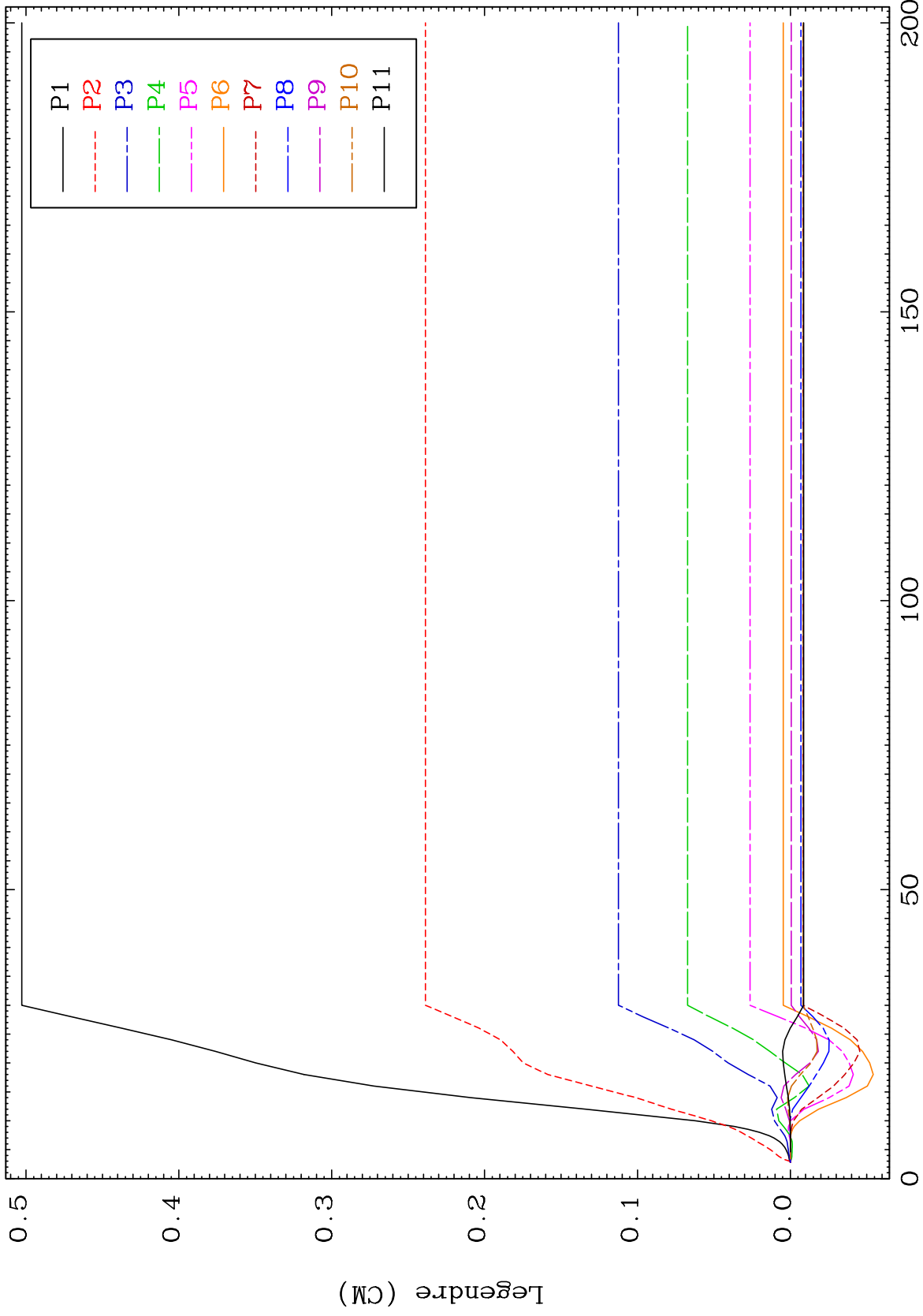
Incident Energy (MeV)

27-Co-57

MAT 2719

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

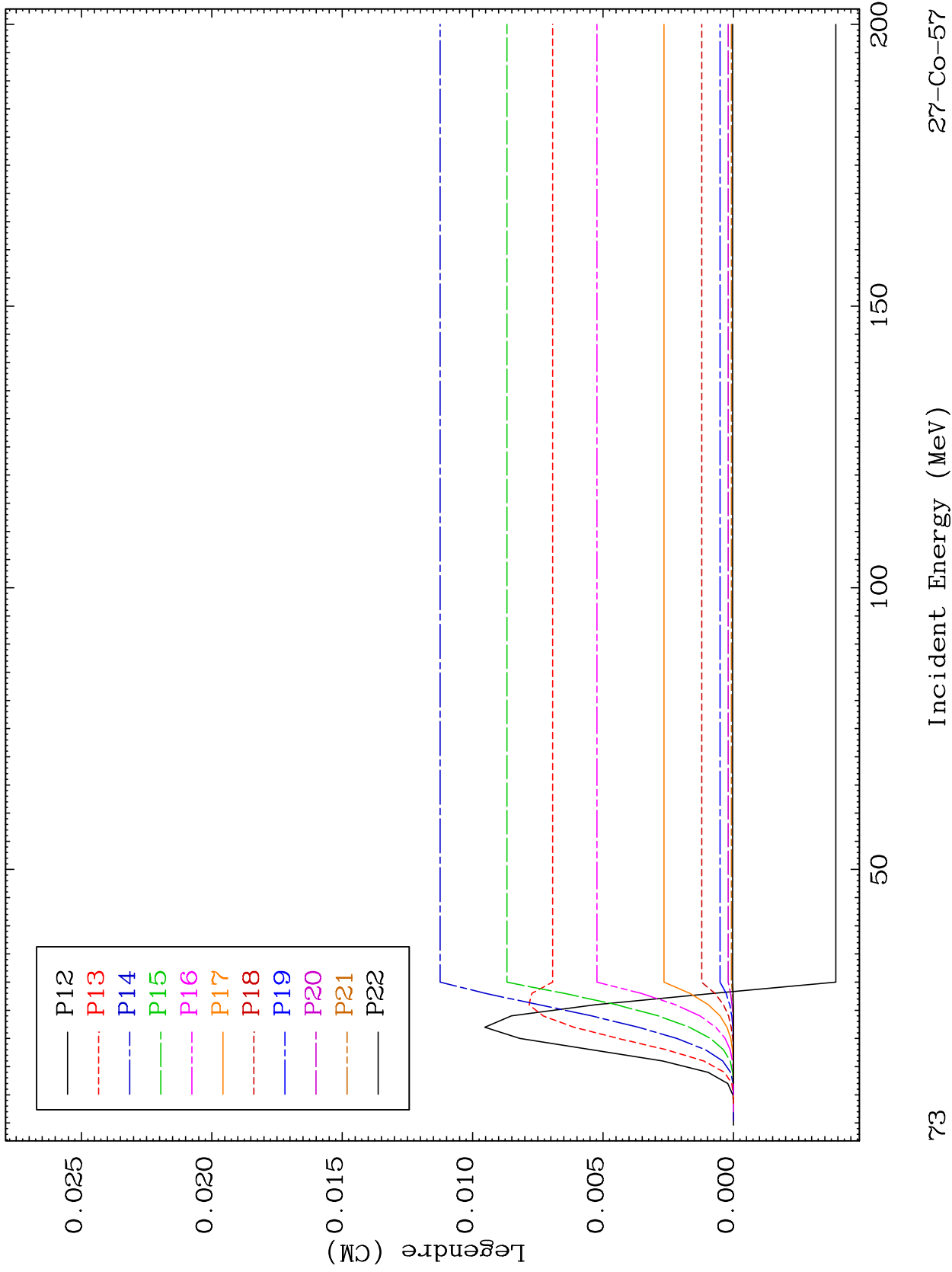
27-Co-57



72

Incident Energy (MeV)

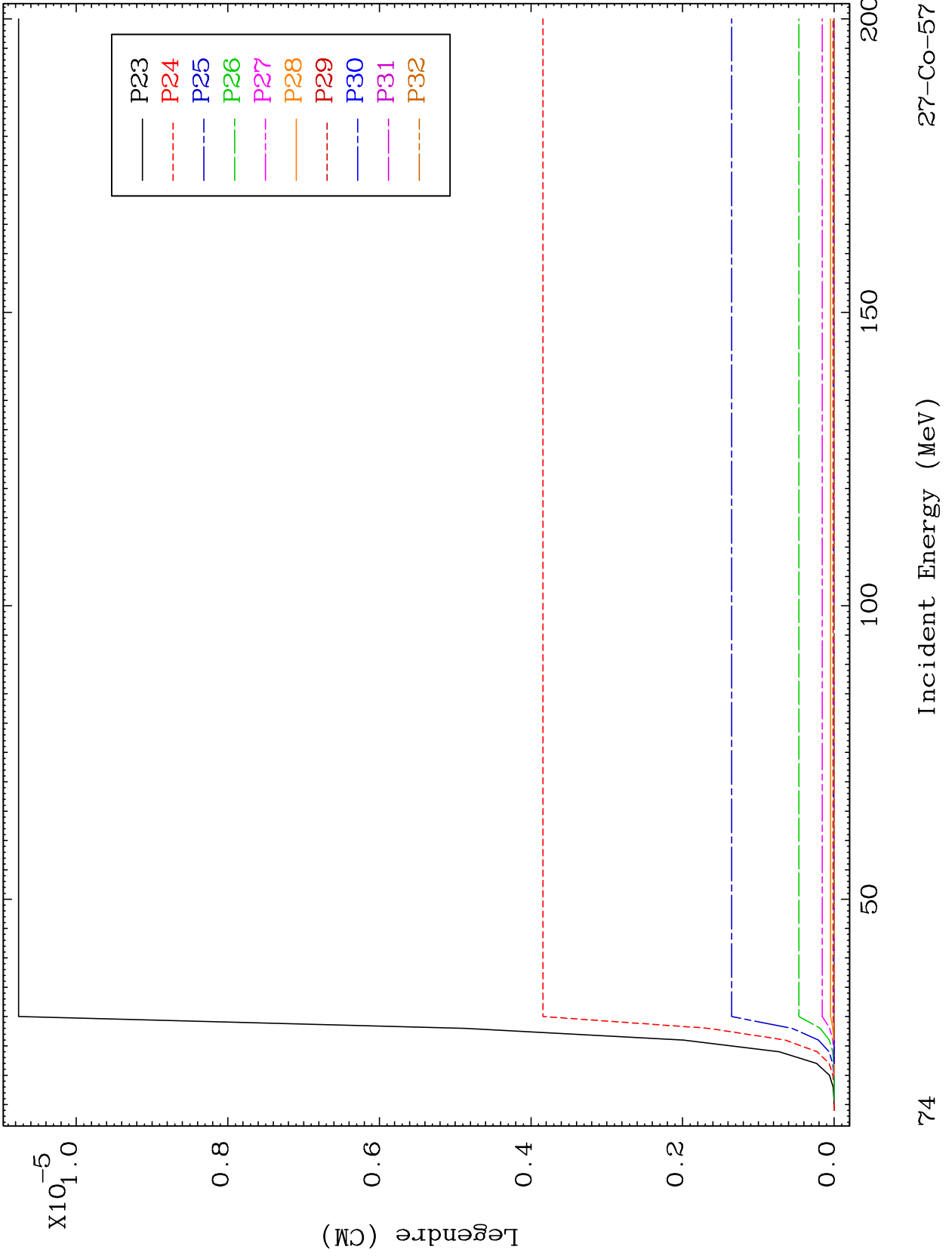
27-Co-57



MAT 2719

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

27-Co-57



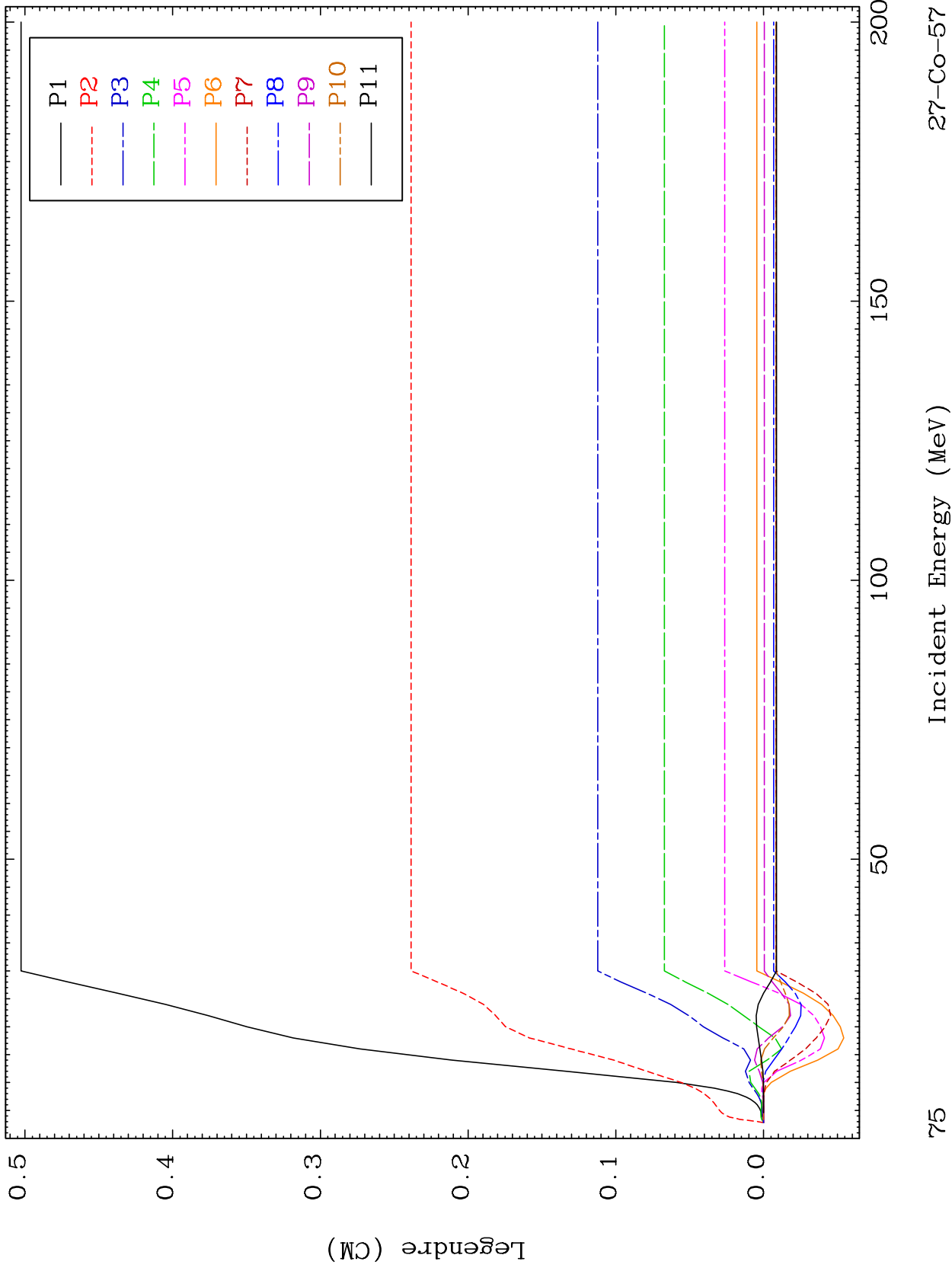
74

27-Co-57

MAT 2719

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

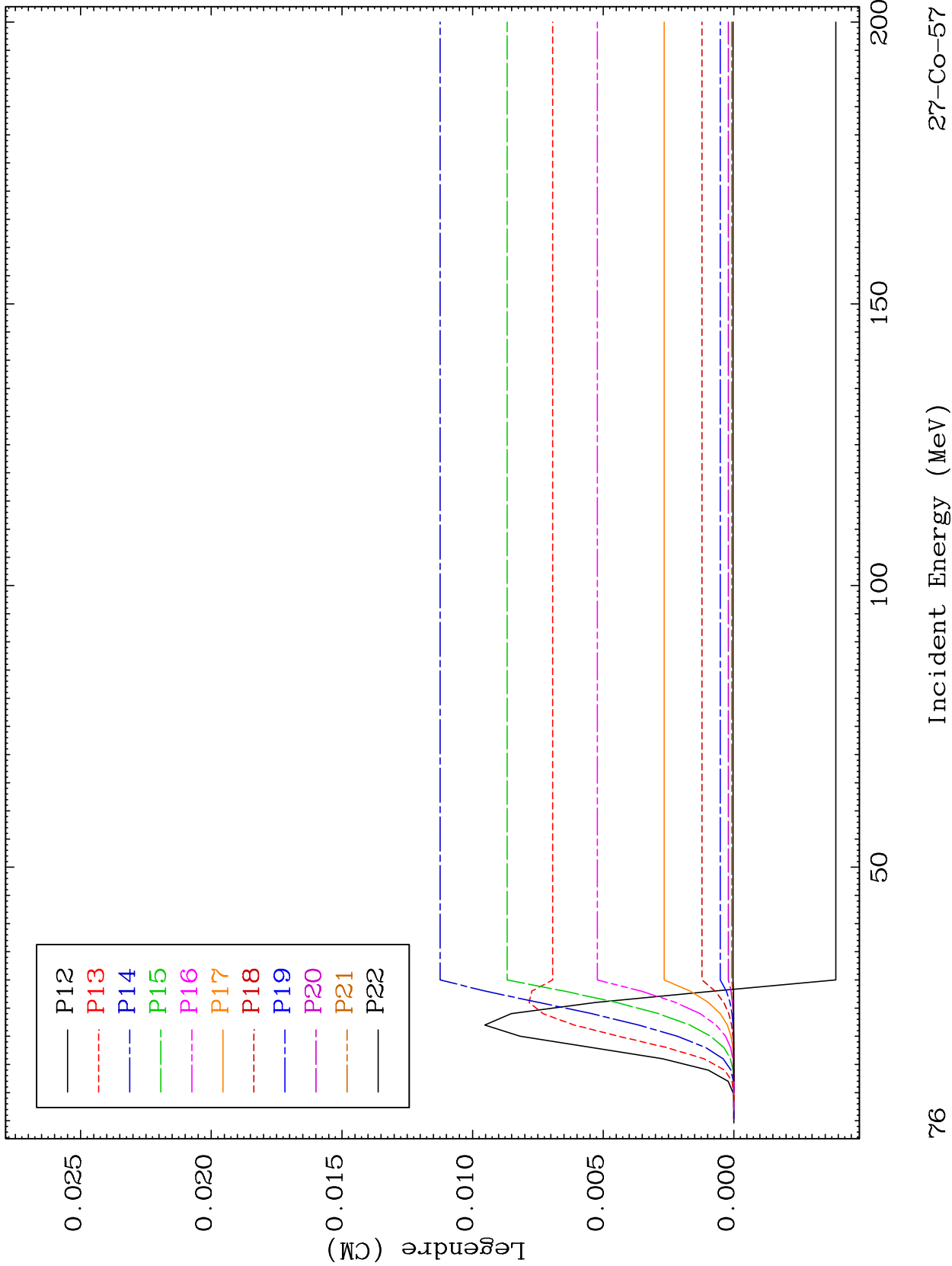
27-Co-57



75

Incident Energy (MeV)

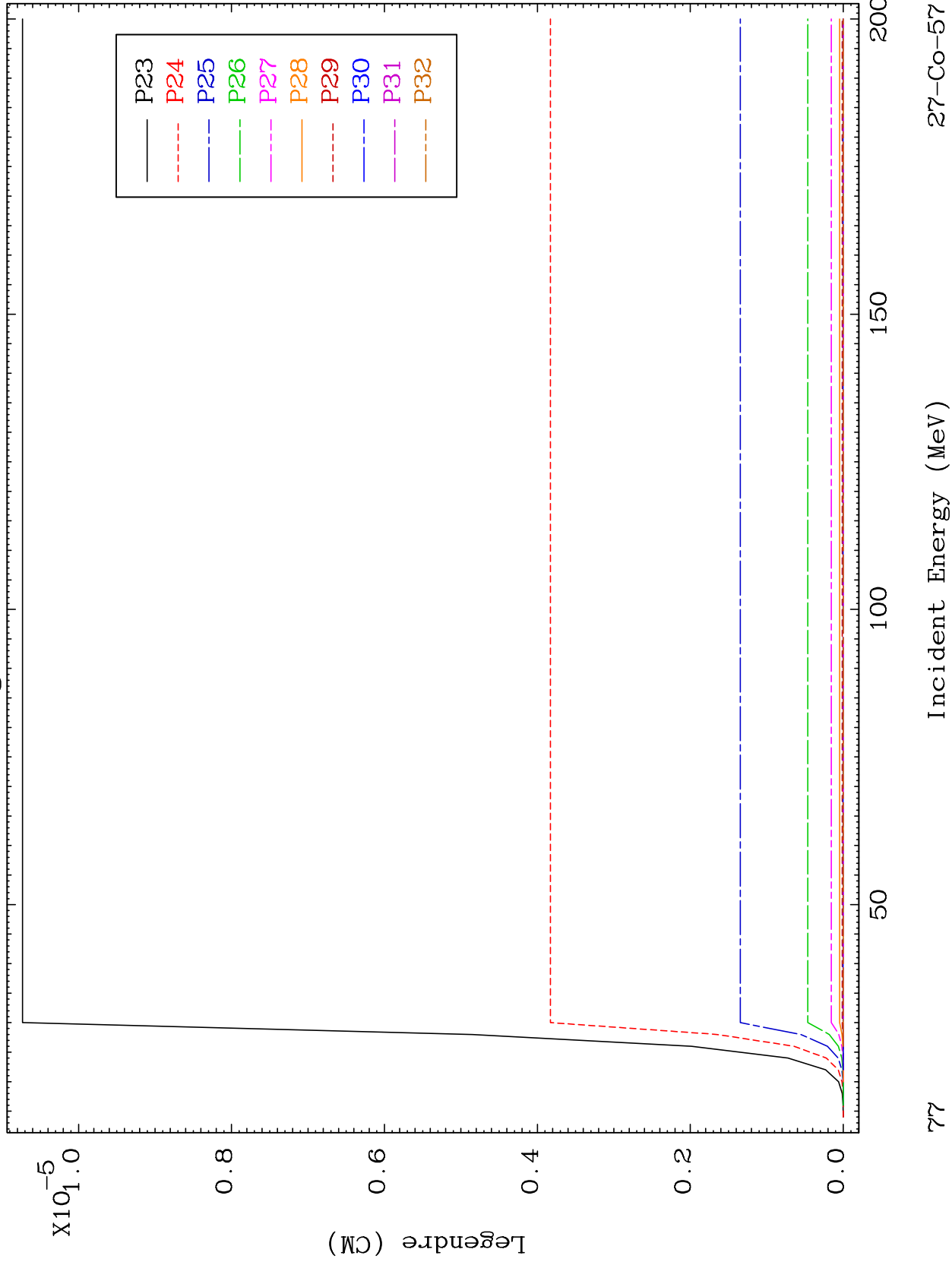
27-Co-57



MAT 2719

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

27-Co-57



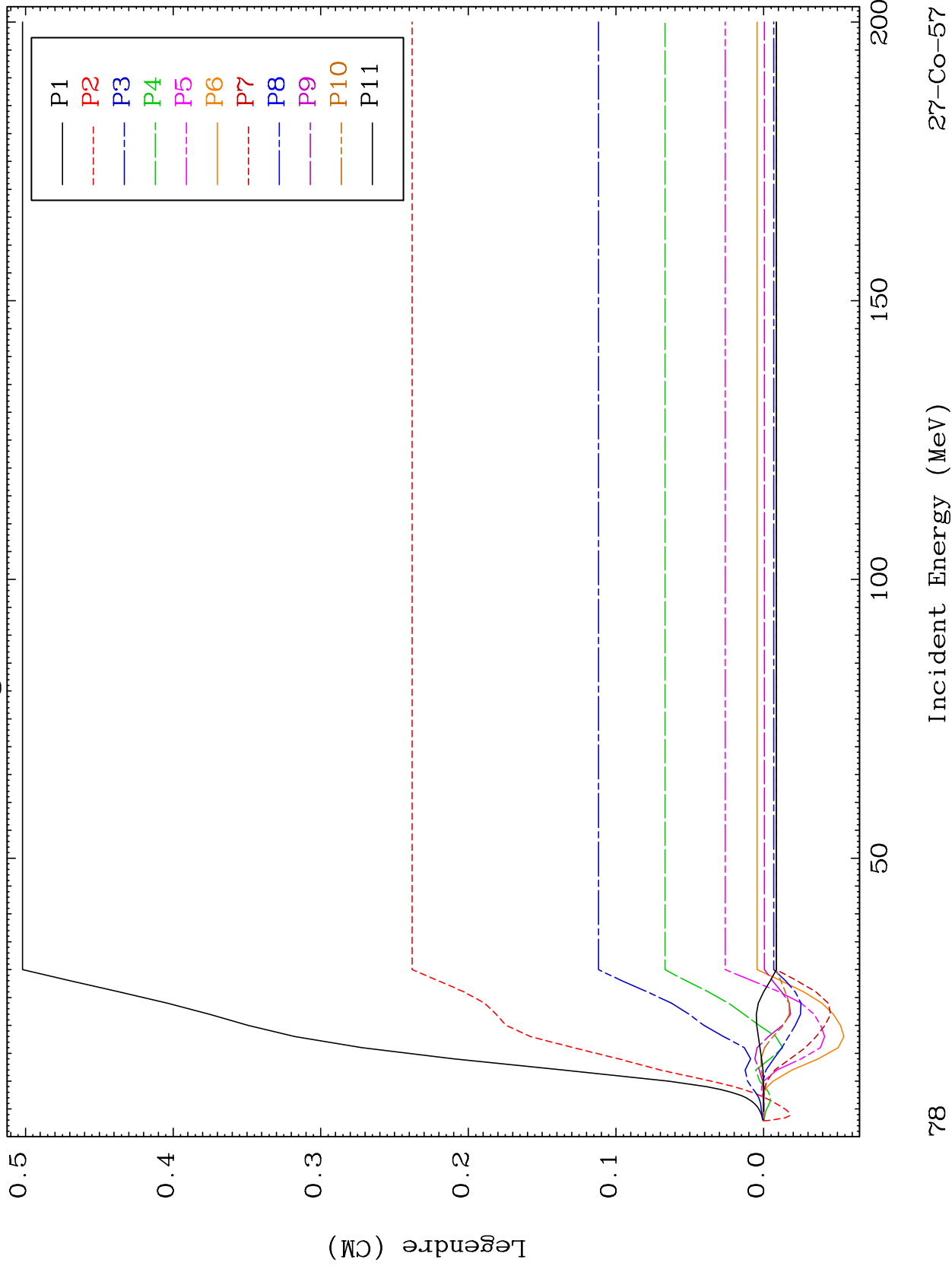
77

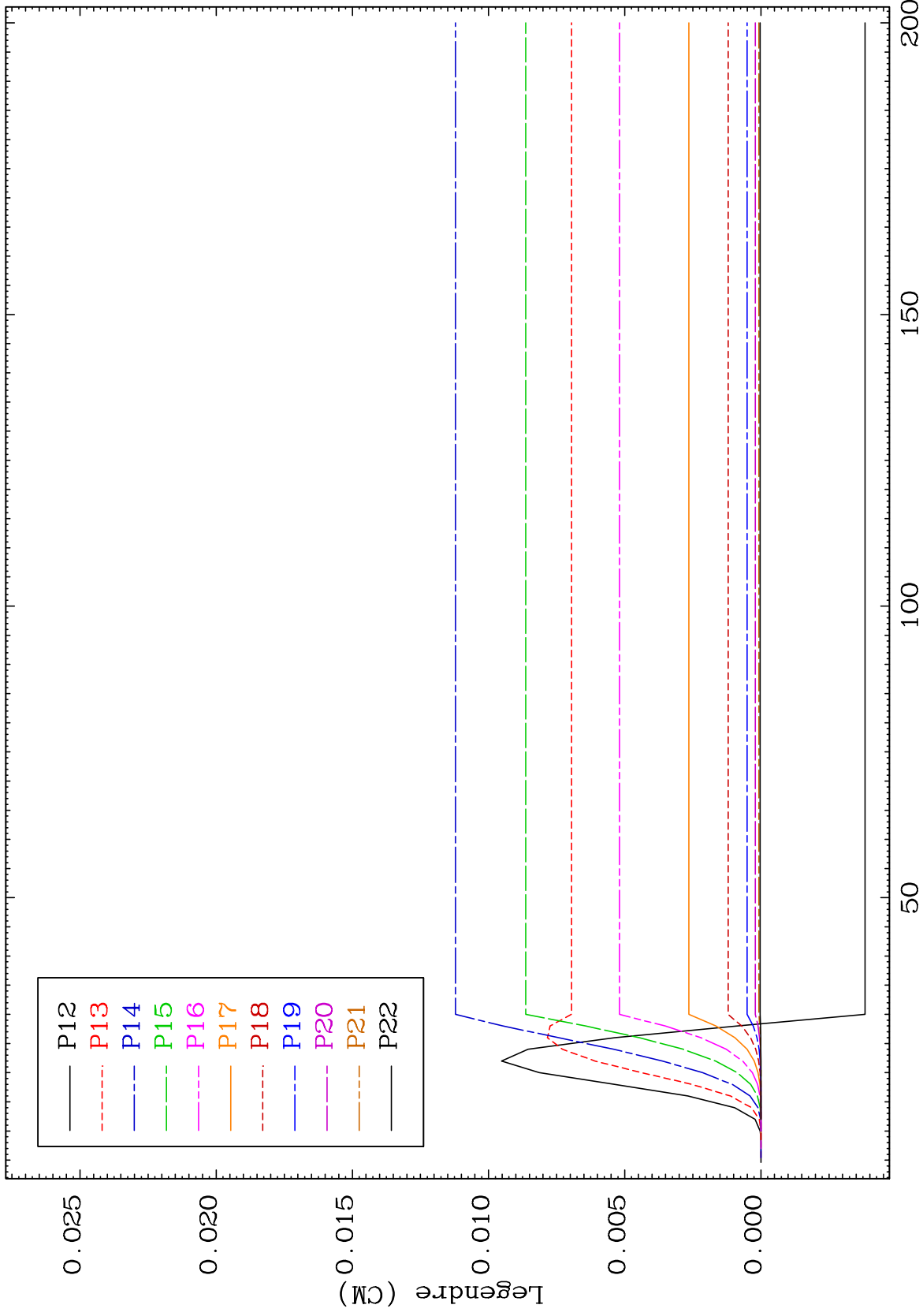
27-Co-57

MAT 2719

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

27-Co-57

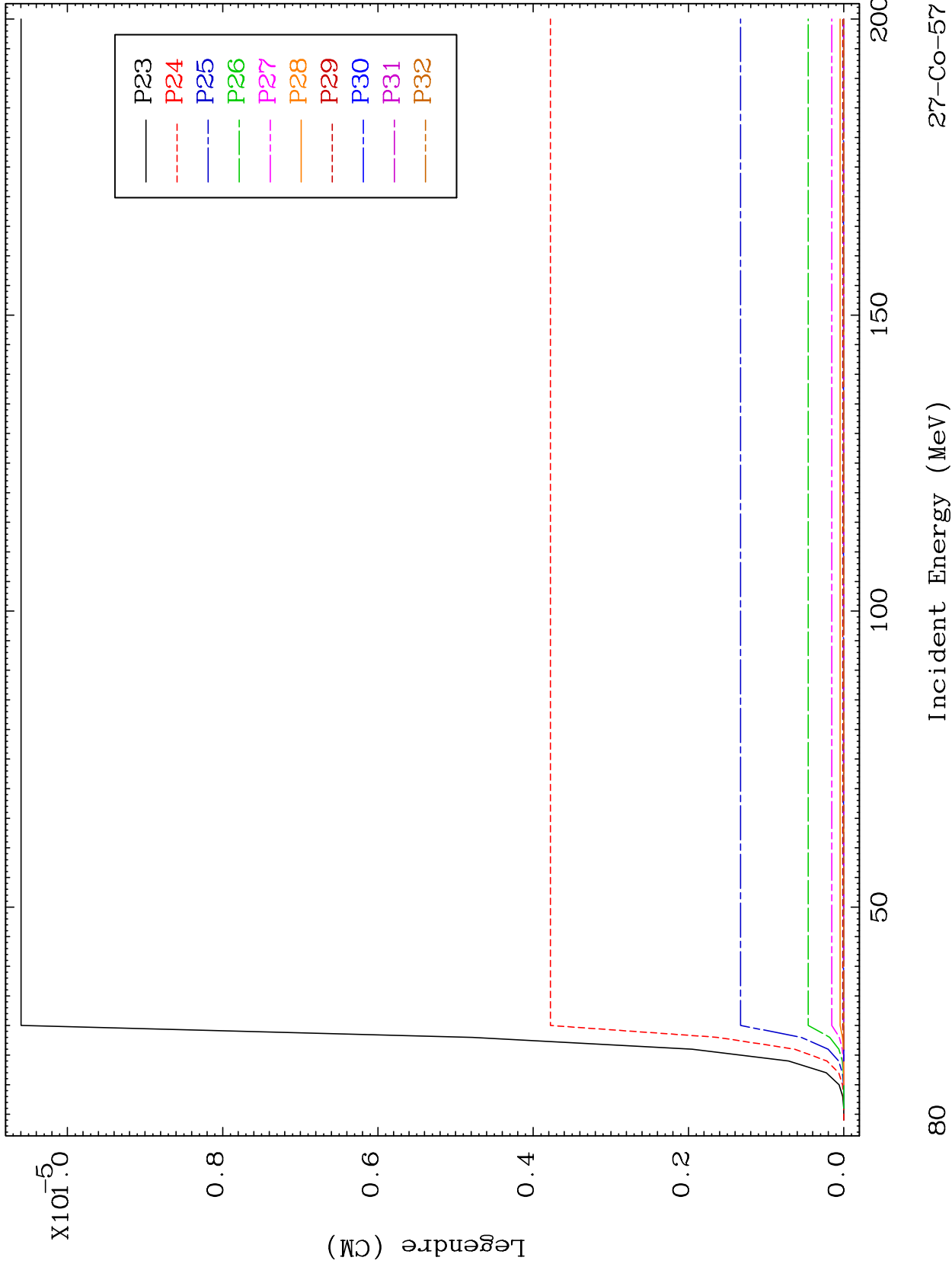




MAT 2719

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

27-Co-57



27-Co-57

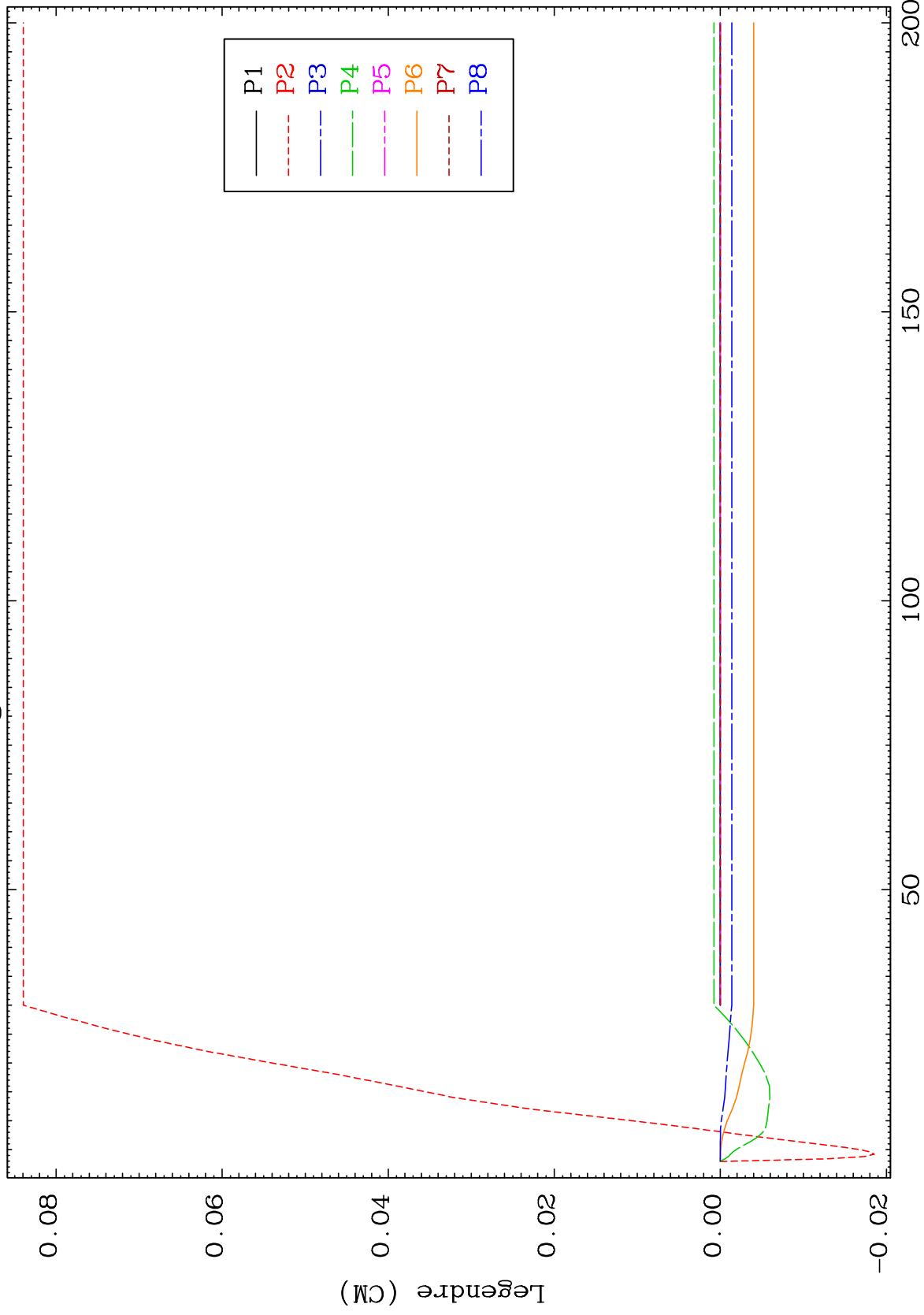
Incident Energy (MeV)

80

MAT 2719

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

27-Co-57



81

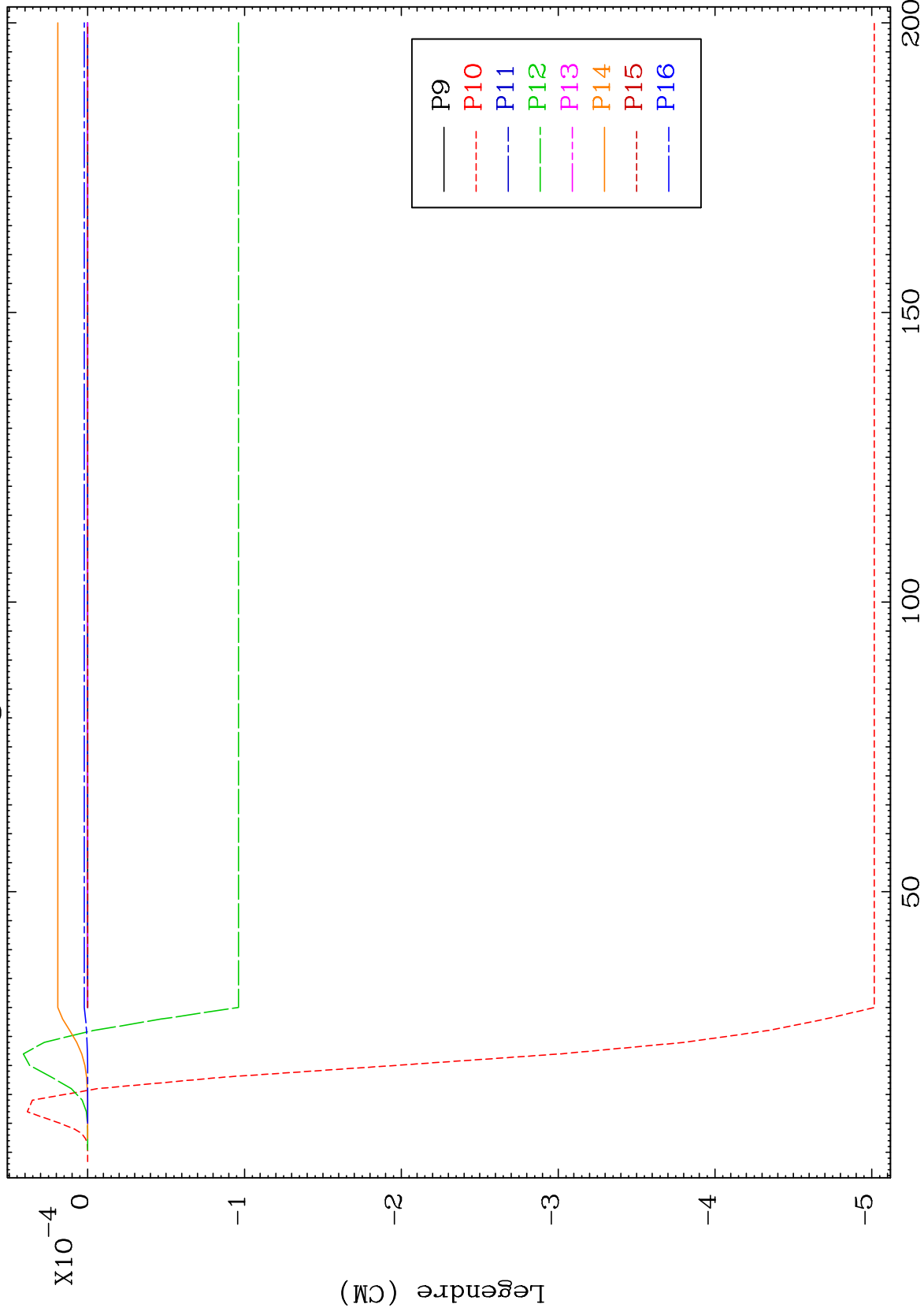
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



82

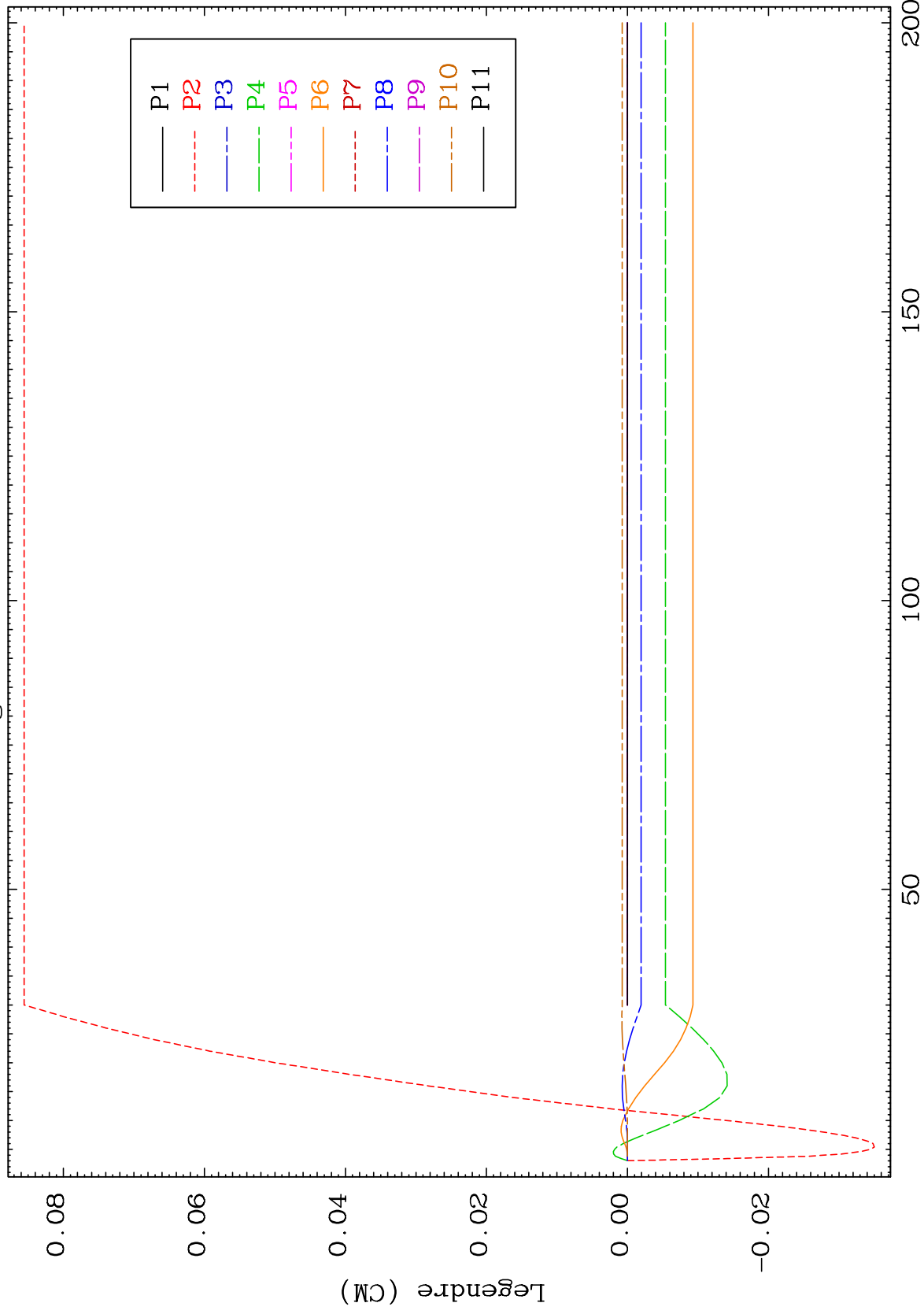
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



84

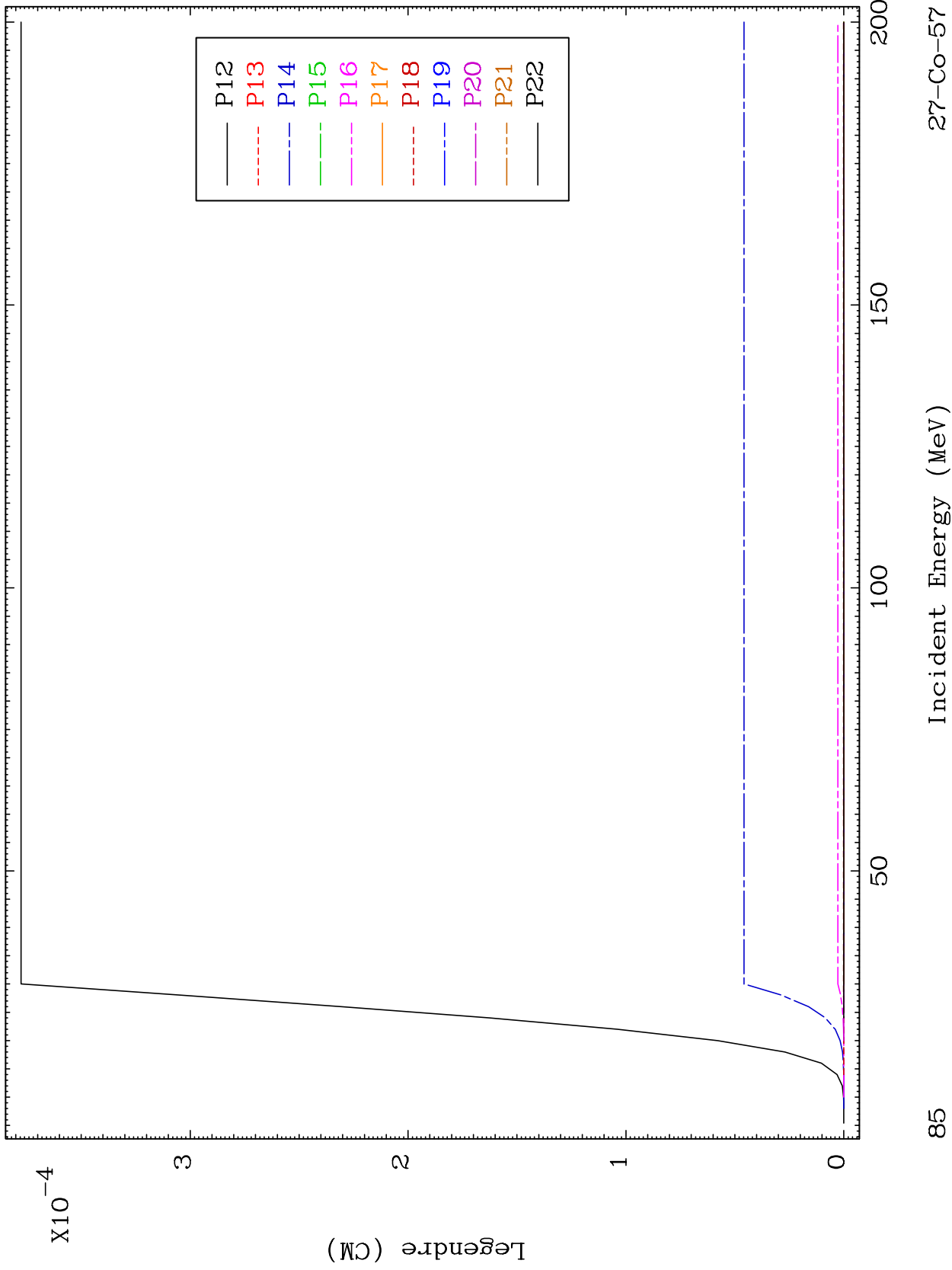
Incident Energy (MeV)

27-Co-57

MAT 2719

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

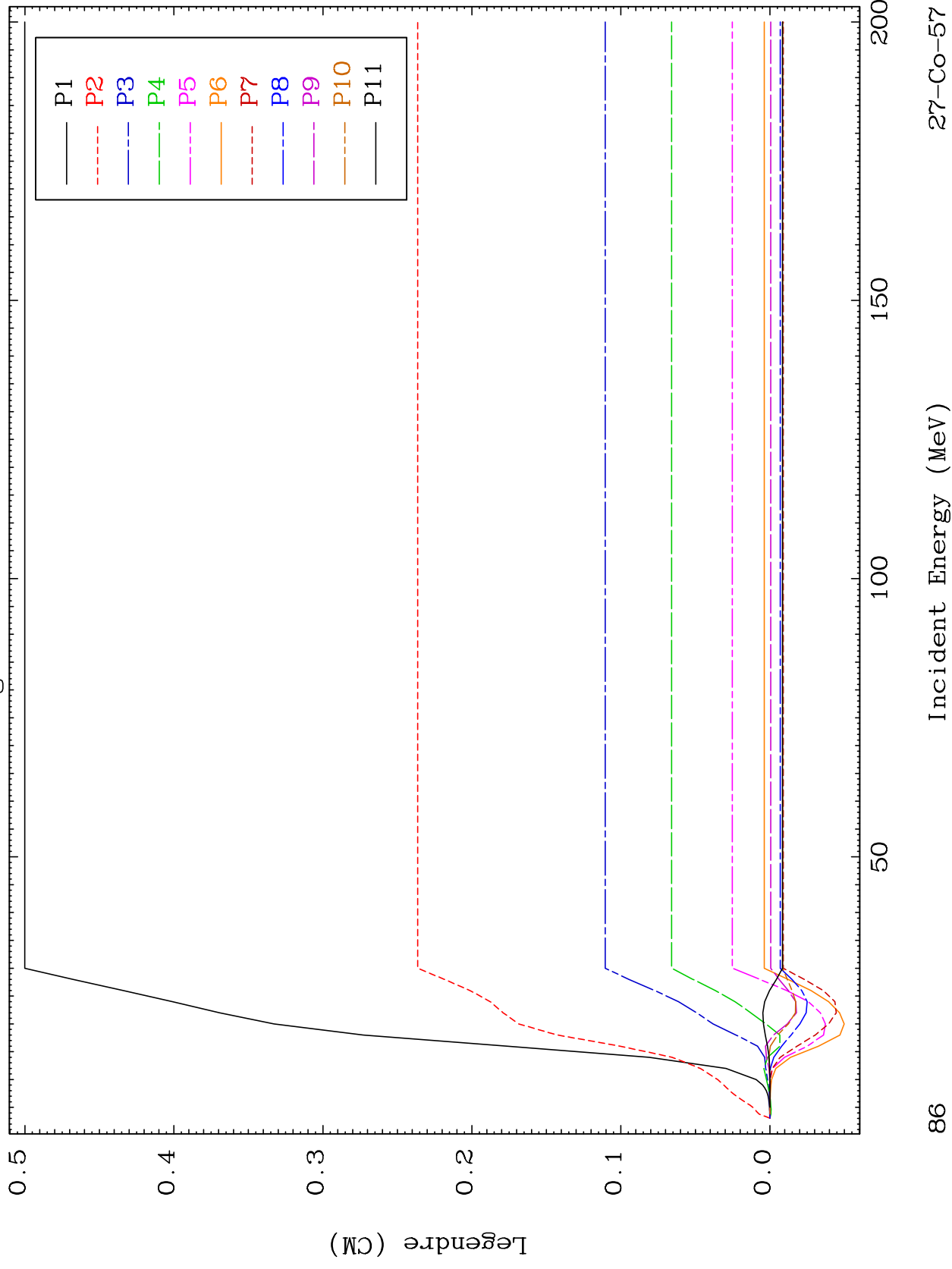
27-Co-57

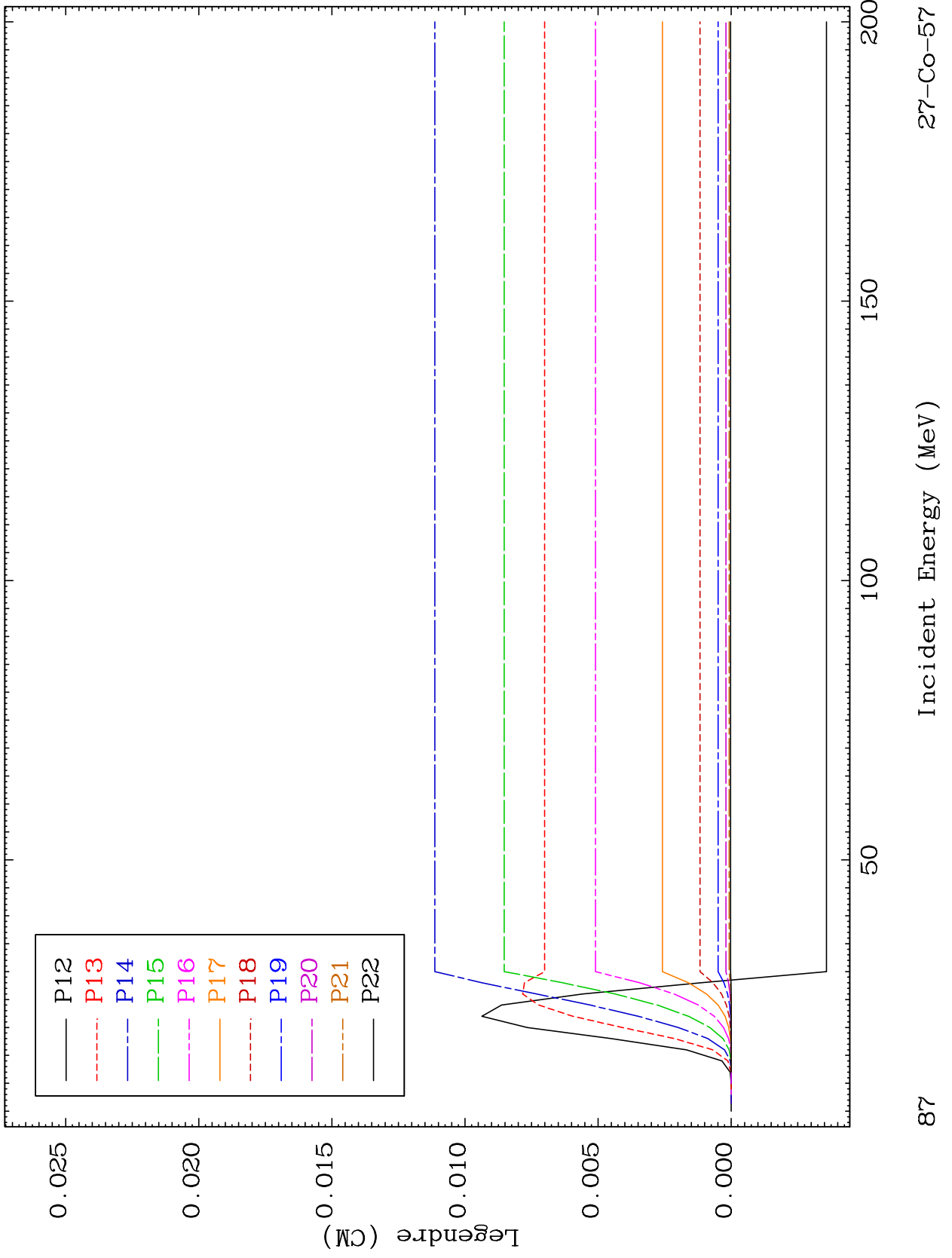


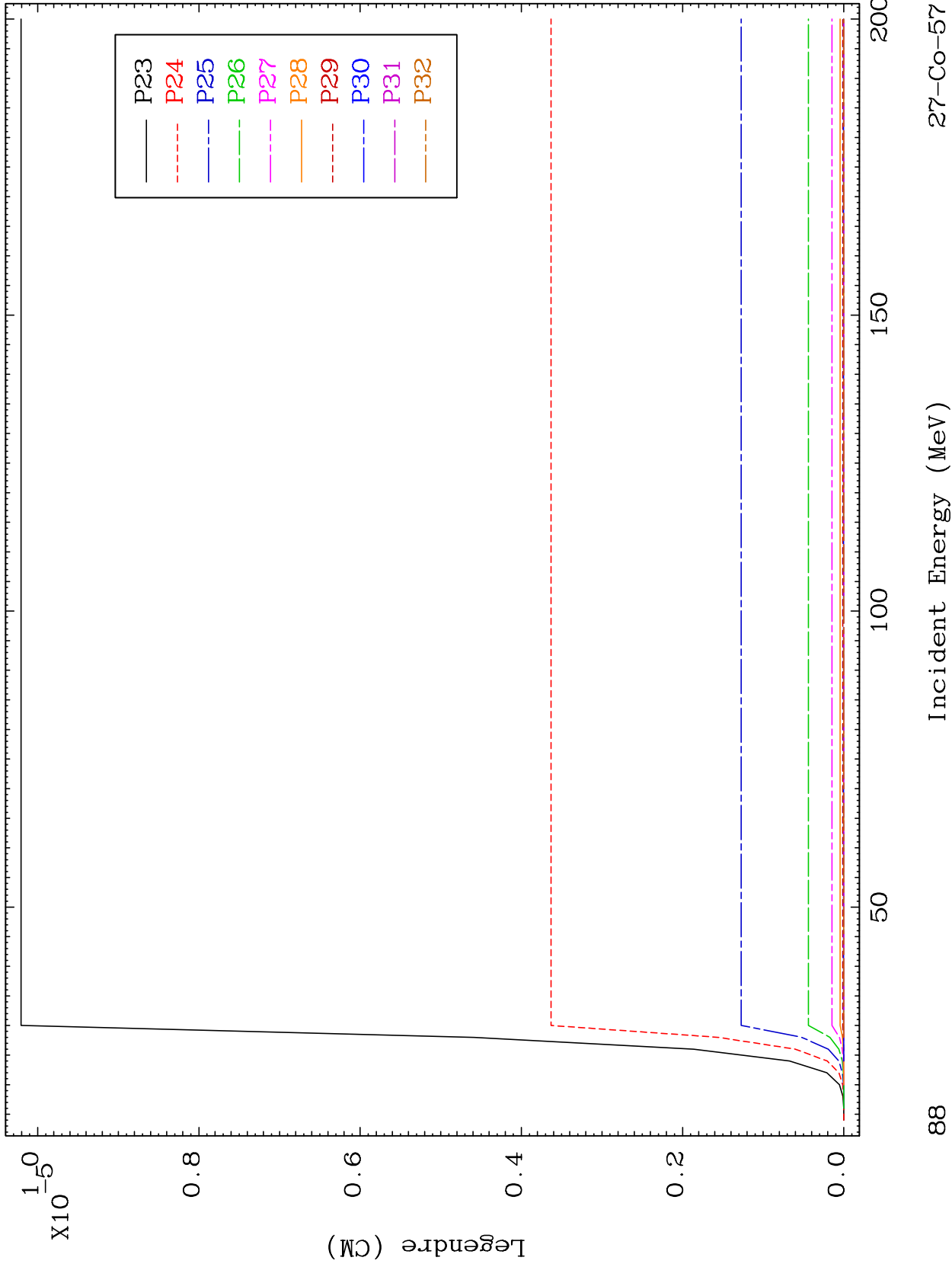
85

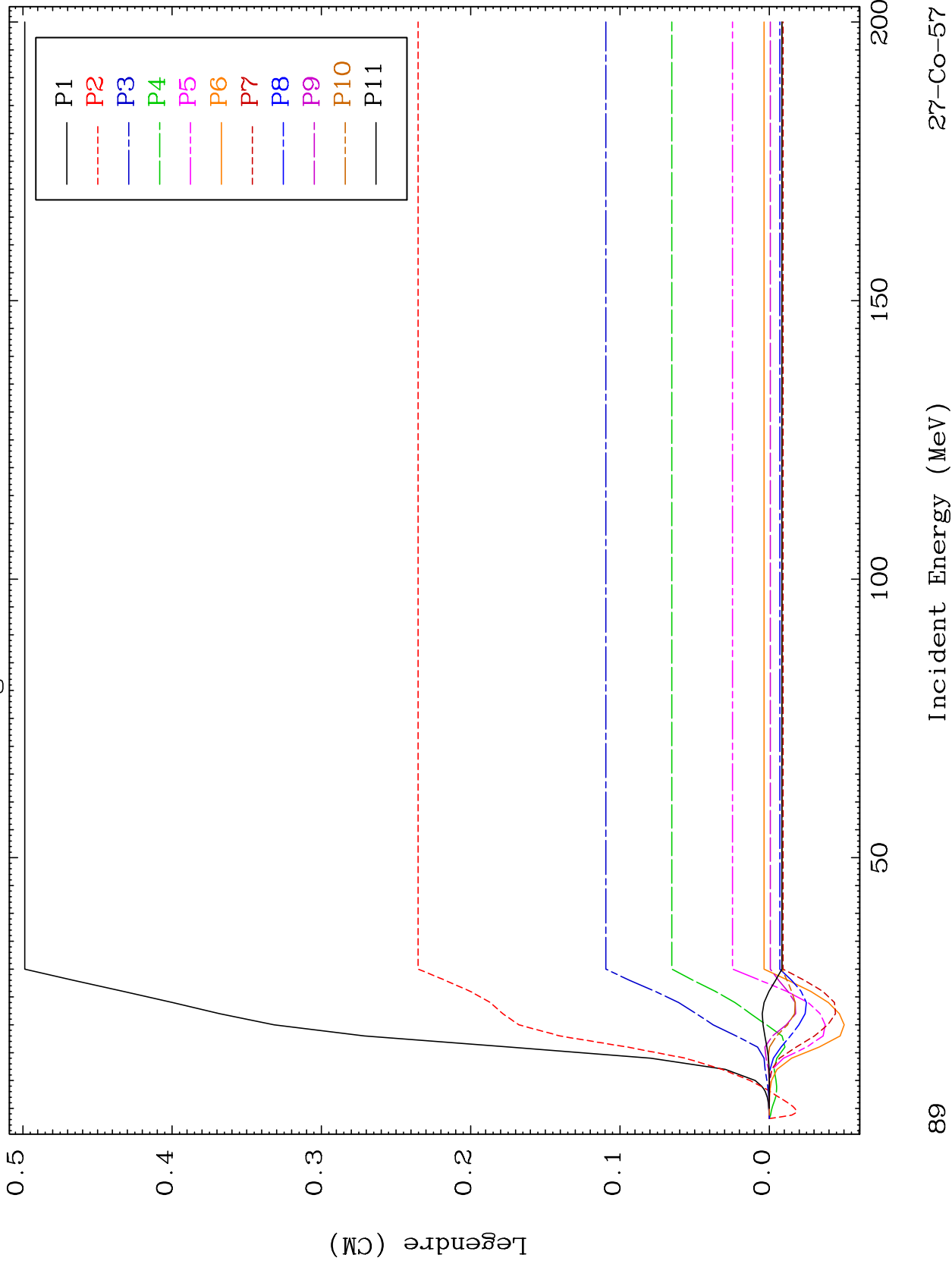
Incident Energy (MeV)

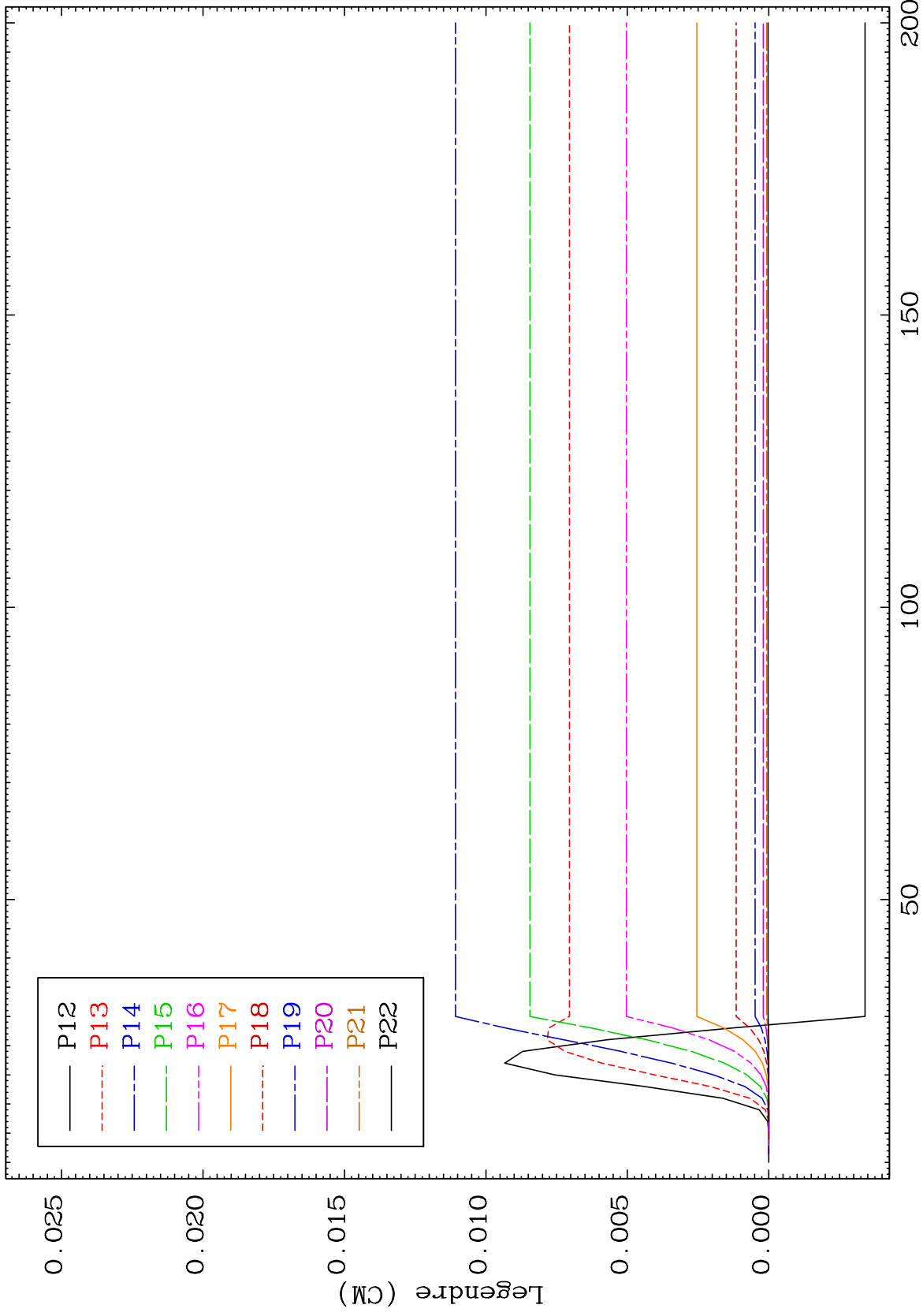
27-Co-57







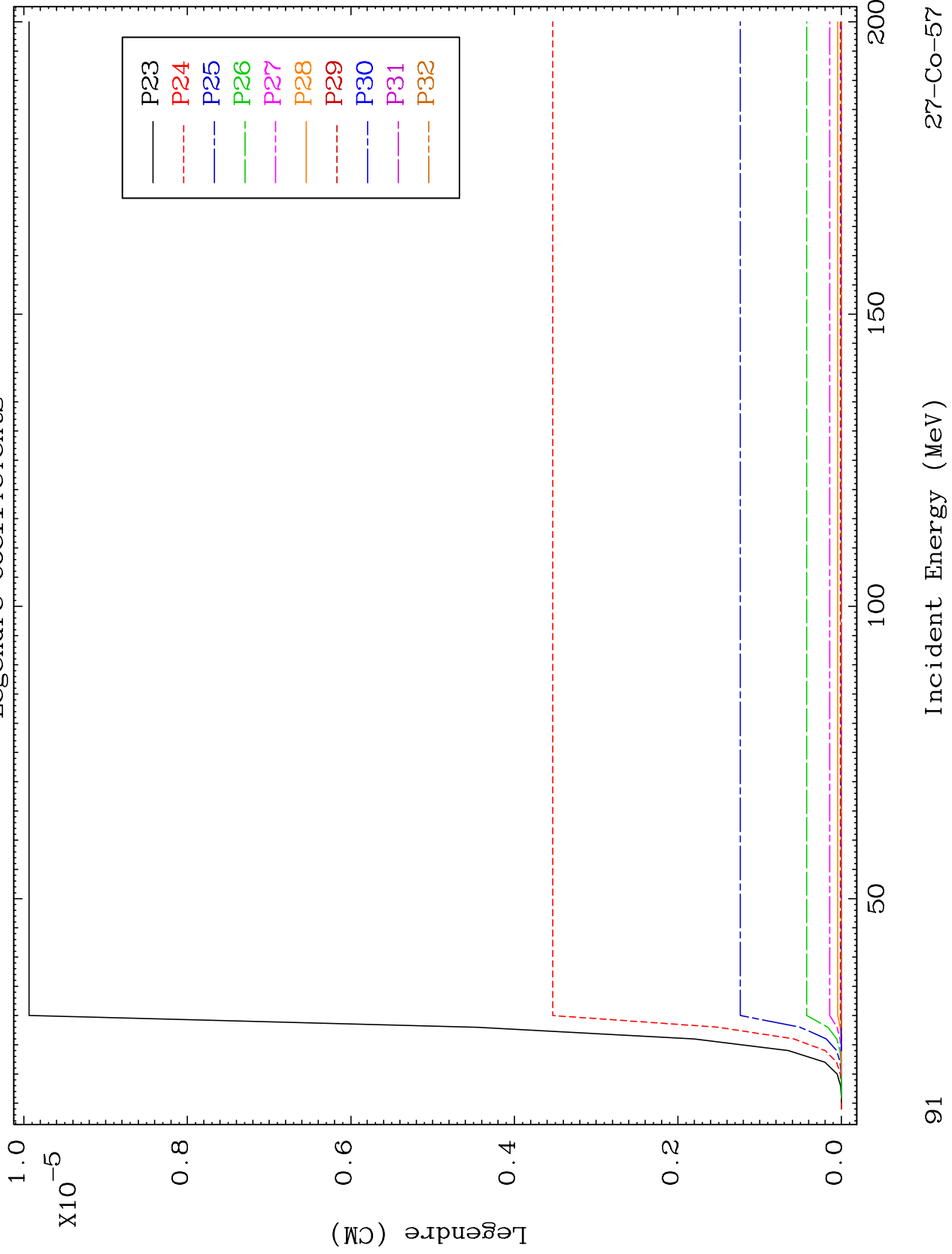




MAT 2719

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

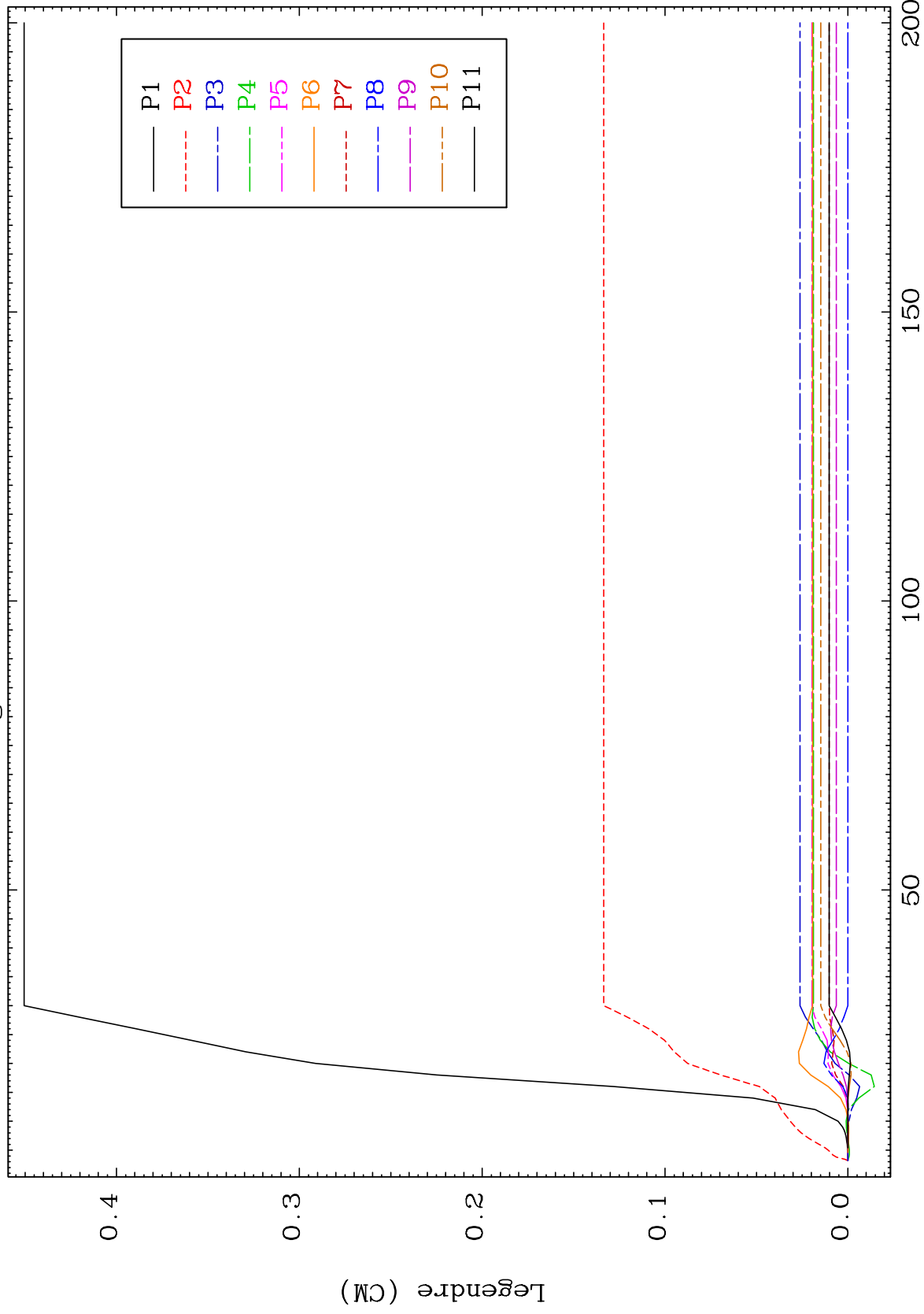
27-Co-57



MAT 2719

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

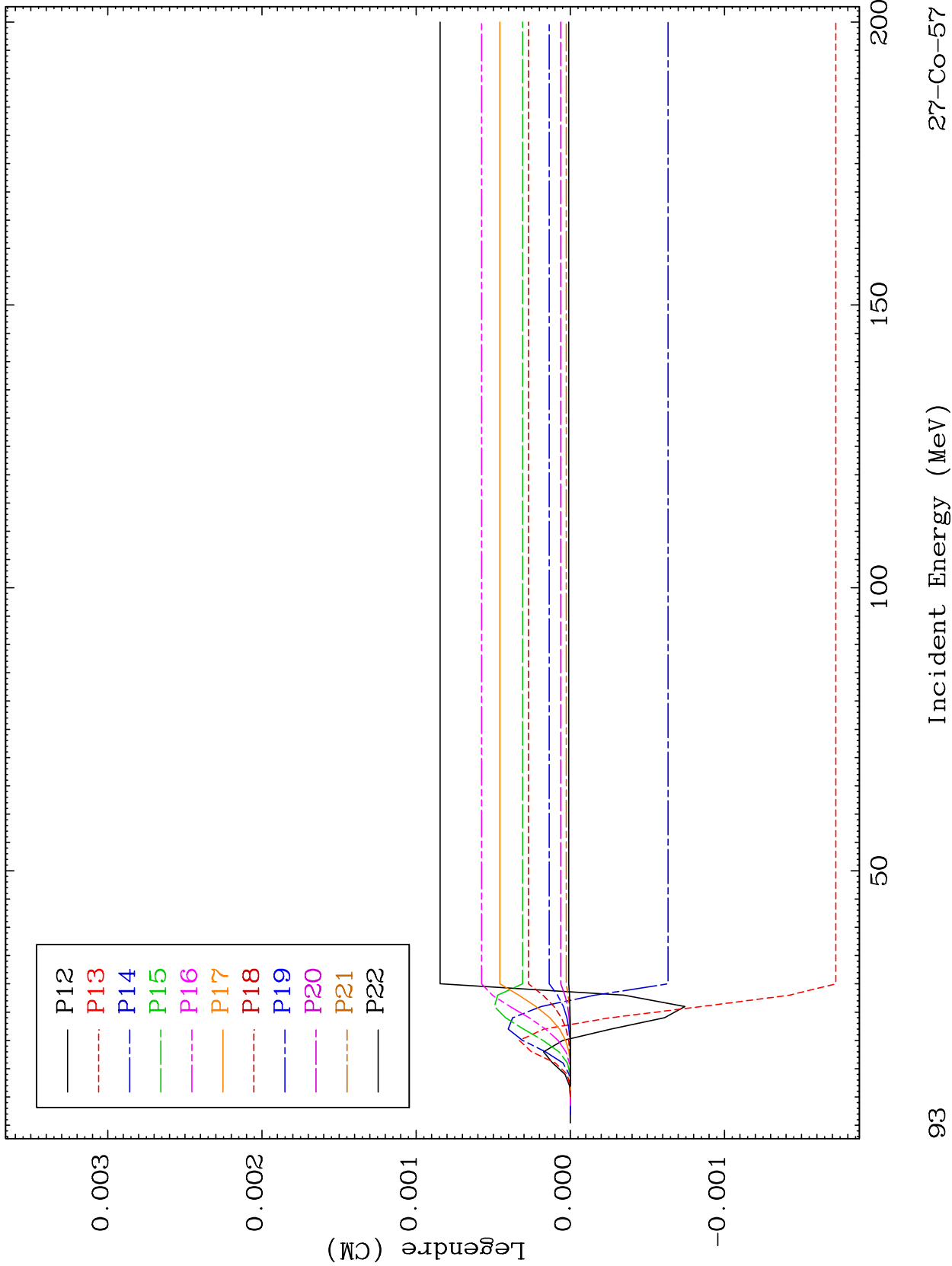
27-Co-57



92

Incident Energy (MeV)

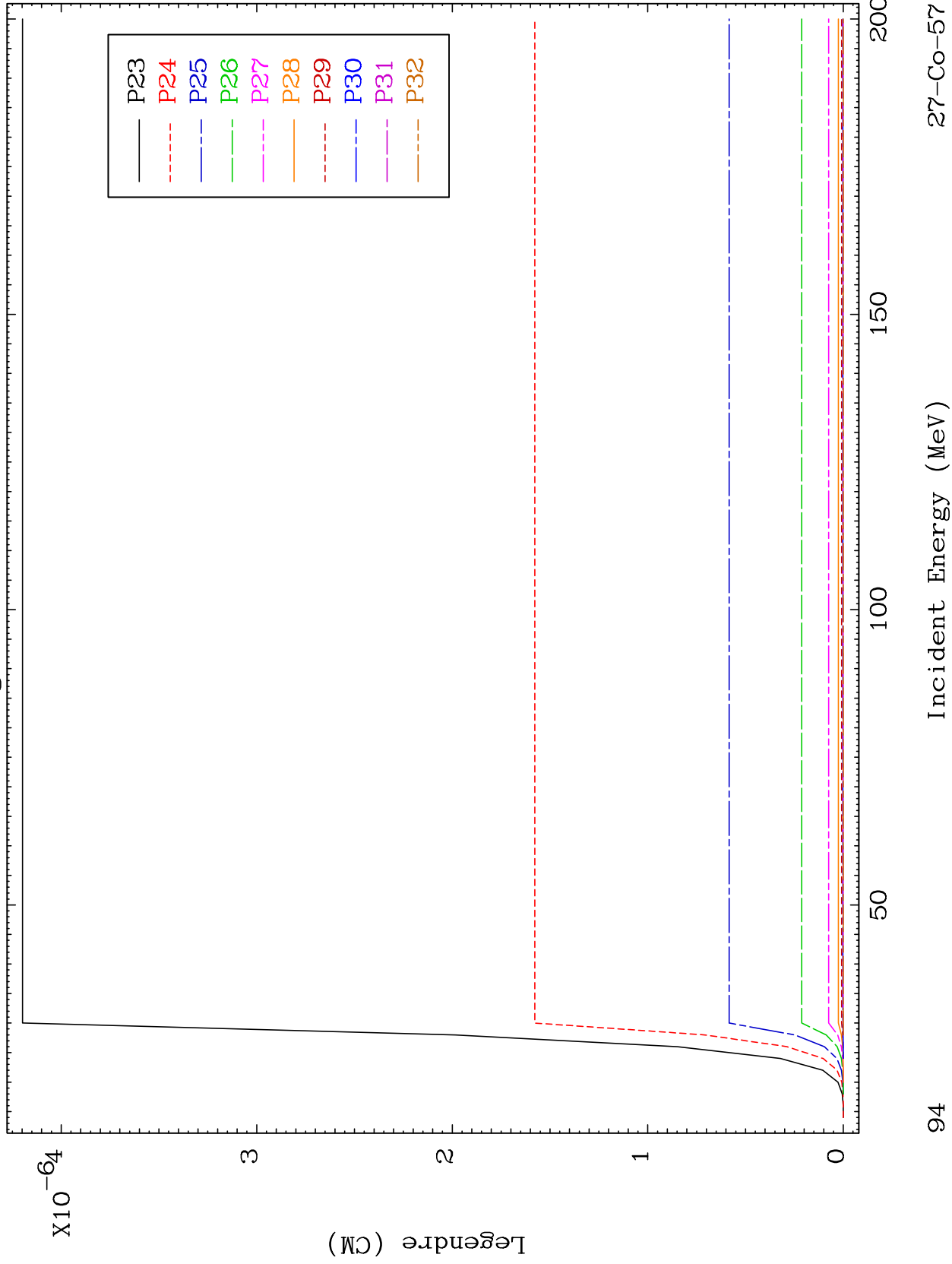
27-Co-57



MAT 2719

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

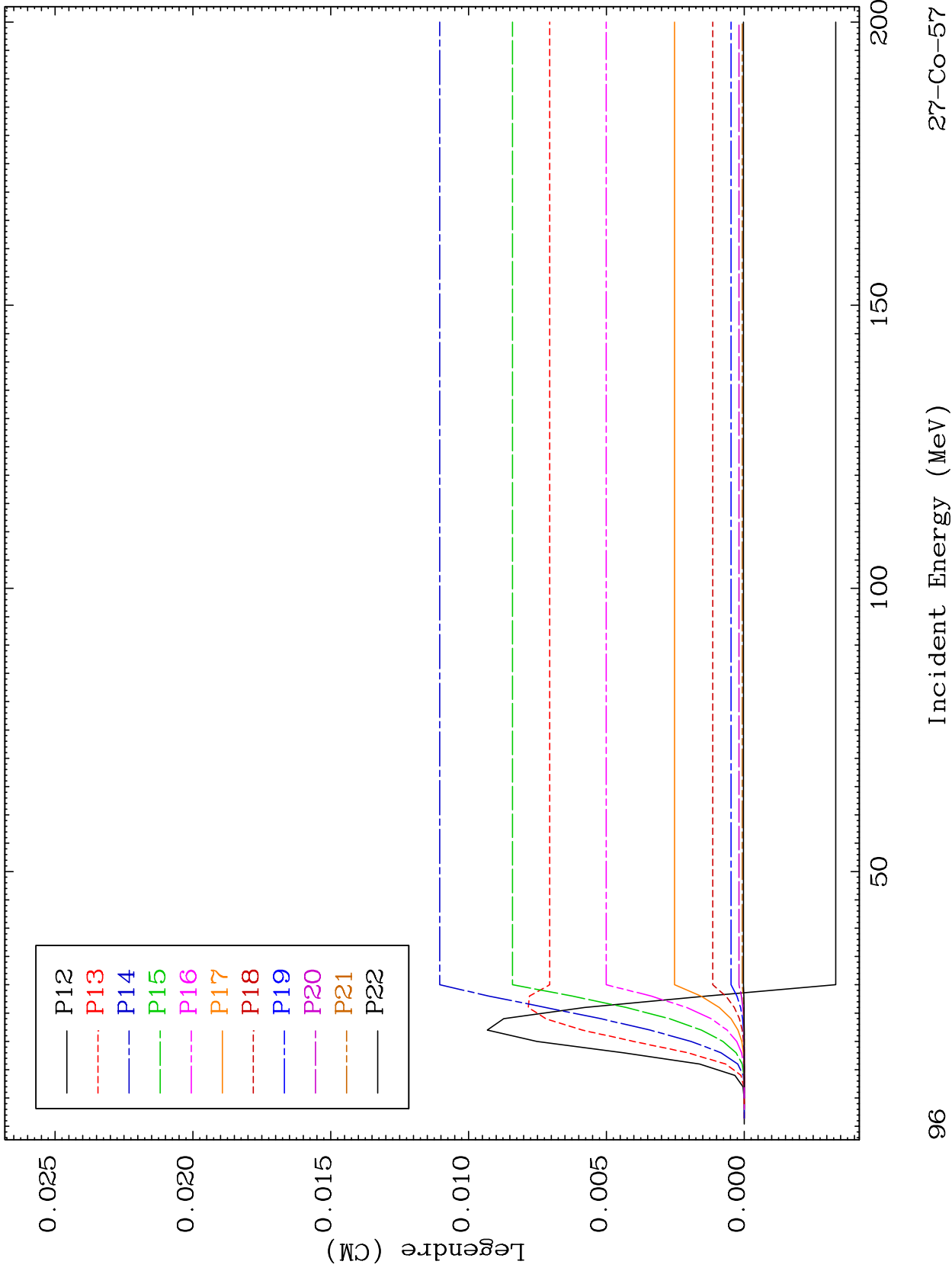
27-Co-57



94

Incident Energy (MeV)

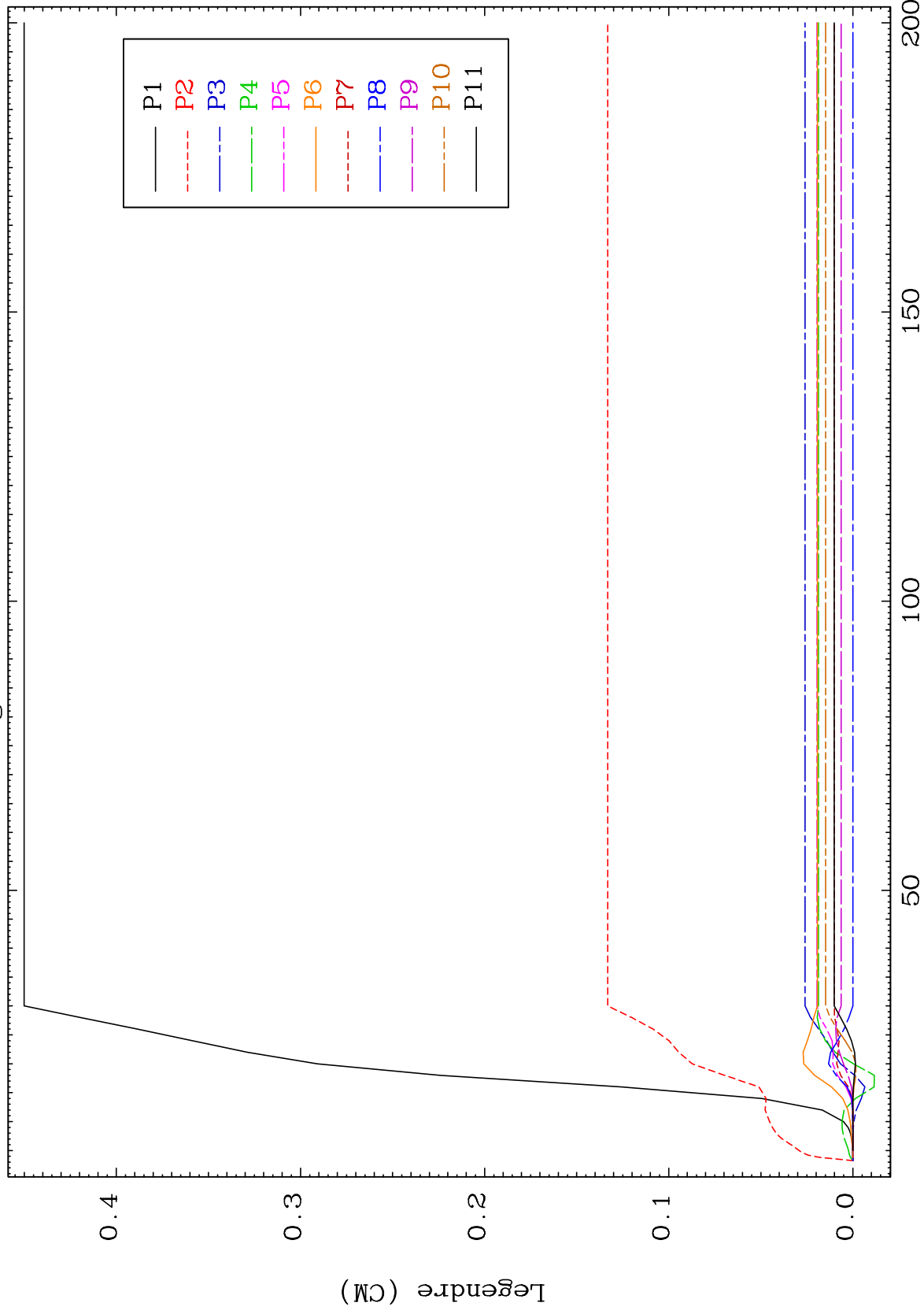
27-Co-57



MAT 2719

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

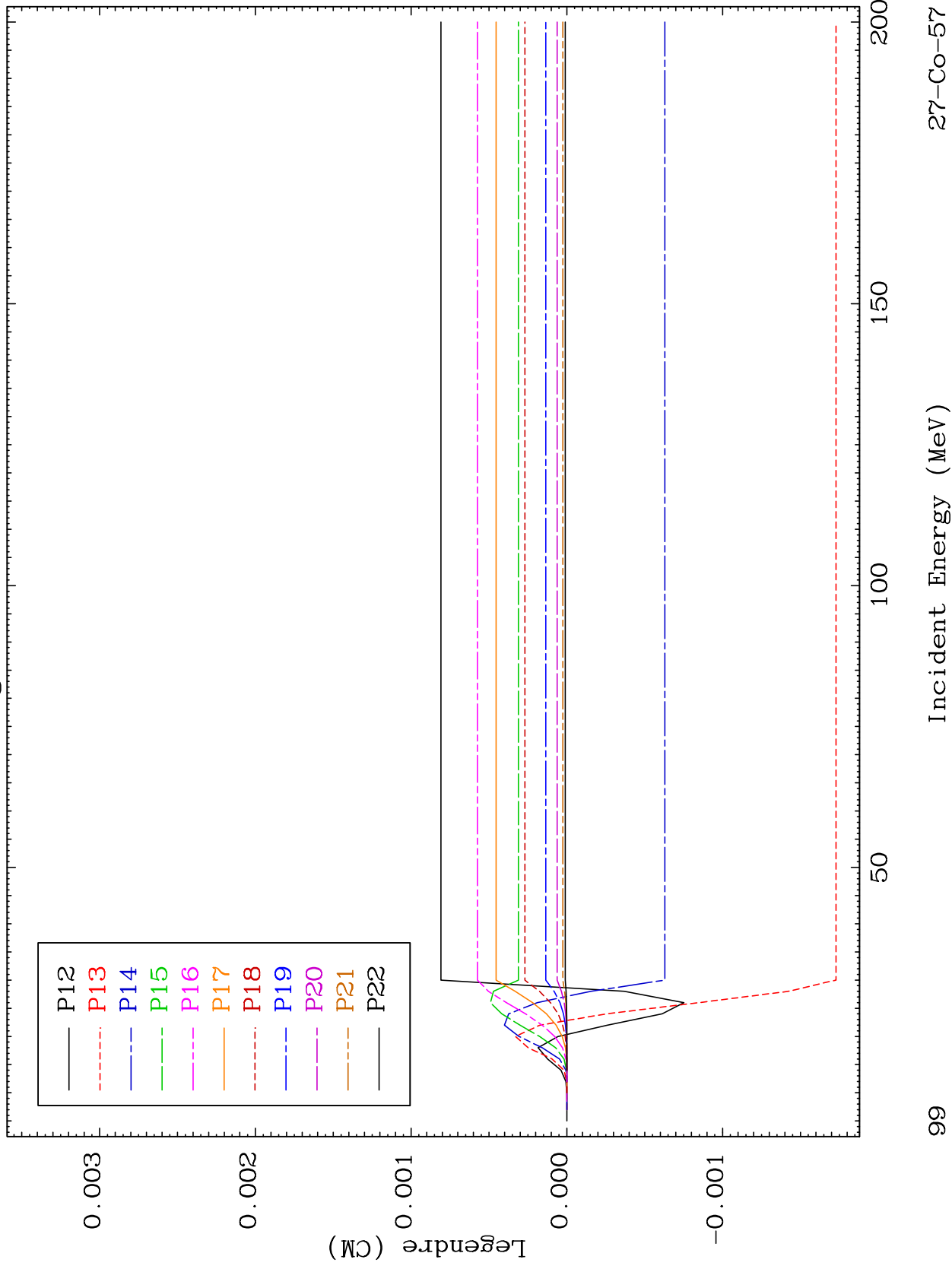
27-Co-57



98

Incident Energy (MeV)

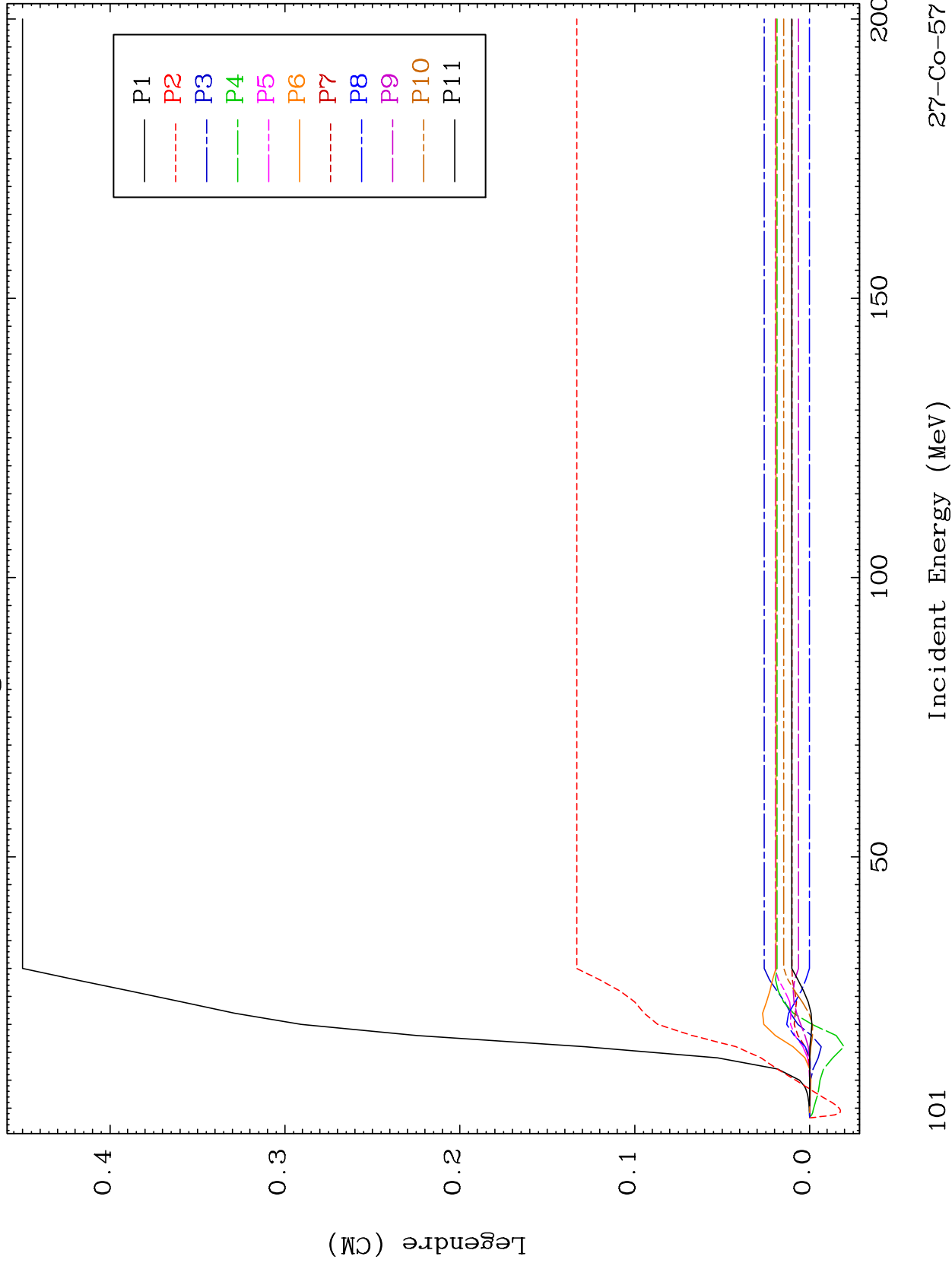
27-Co-57



MAT 2719

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

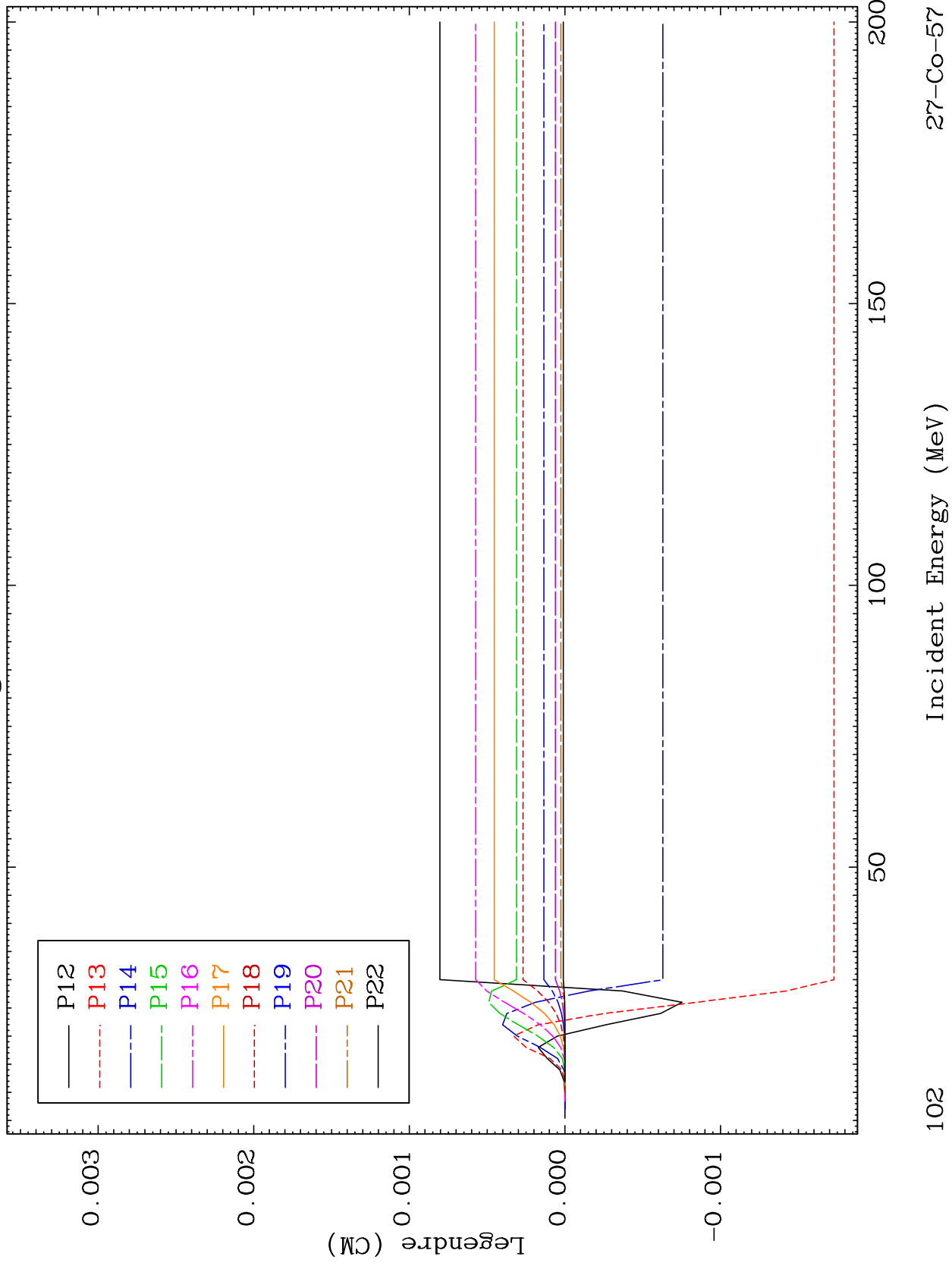
27-Co-57



MAT 2719

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

27-Co-57



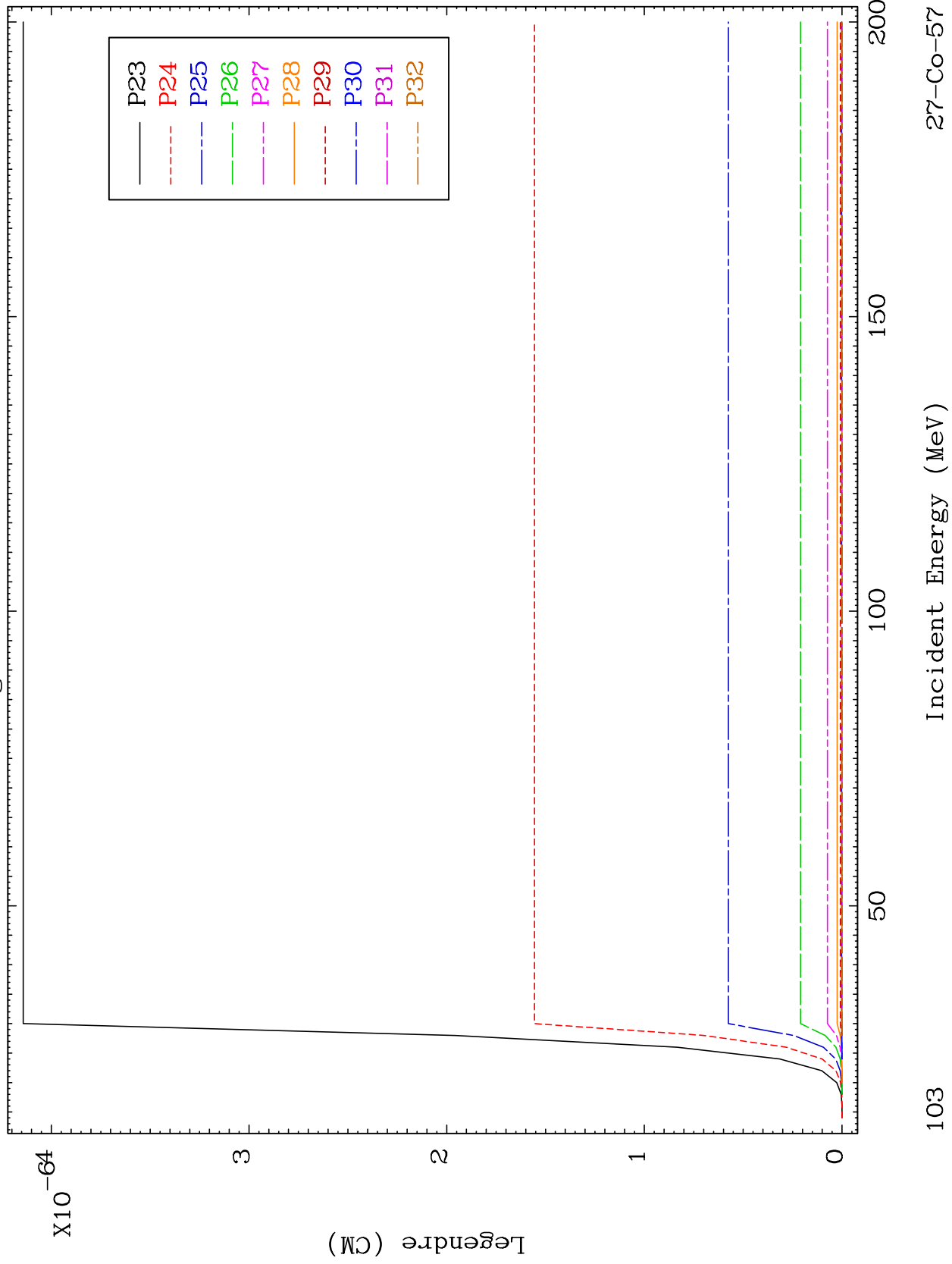
102

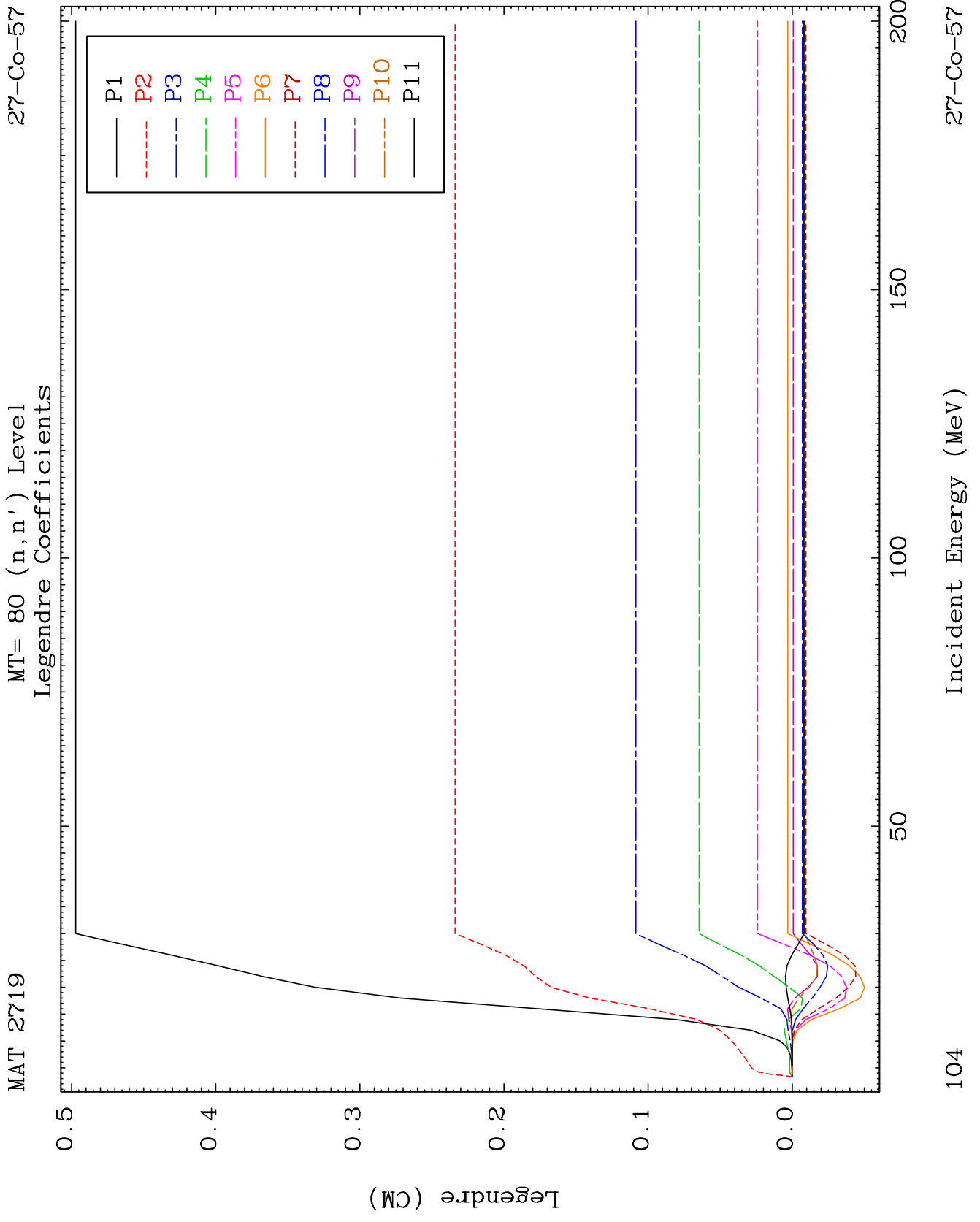
27-Co-57

MAT 2719

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

27-Co-57

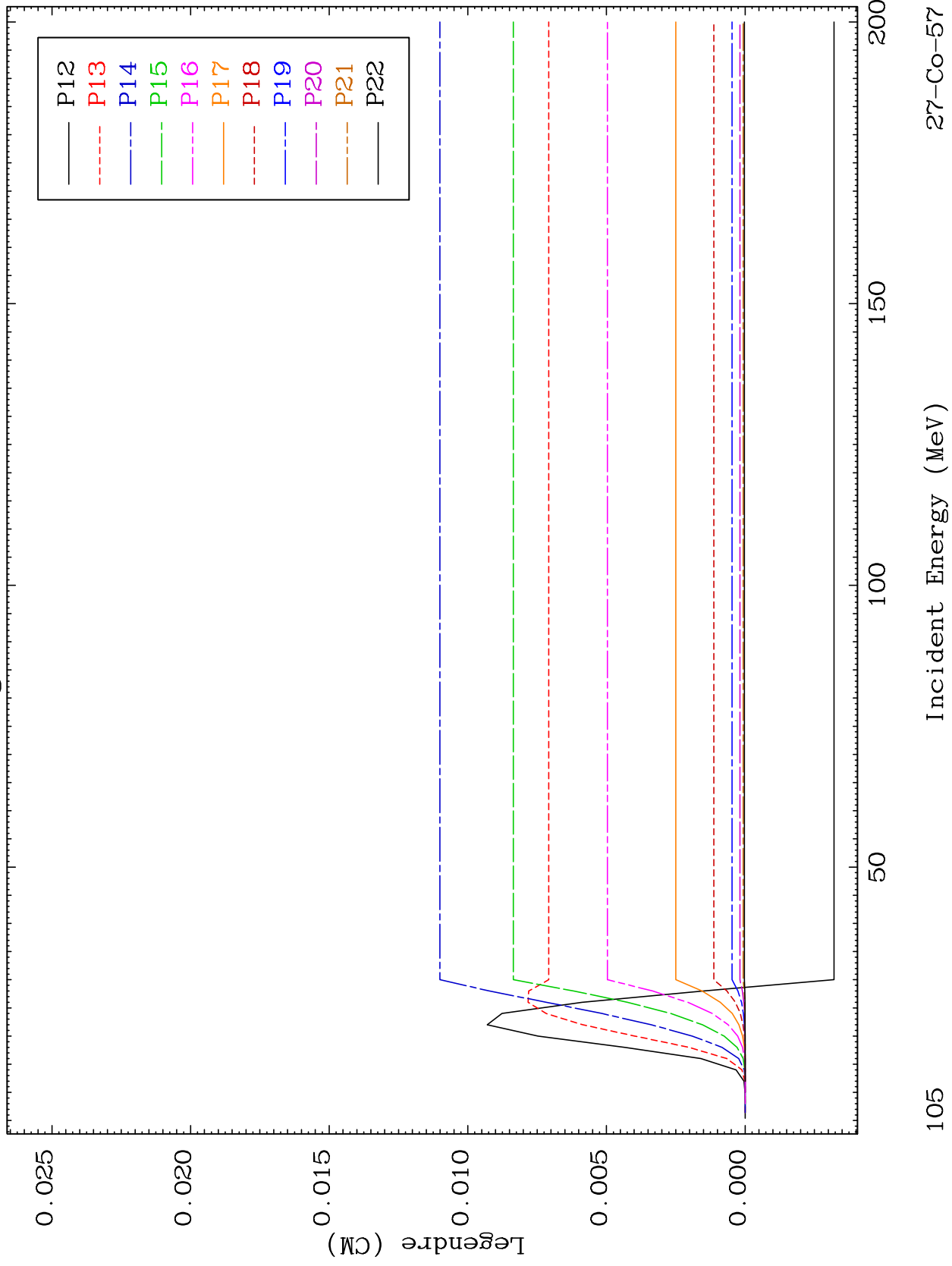




MAT 2719

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

27-Co-57



105

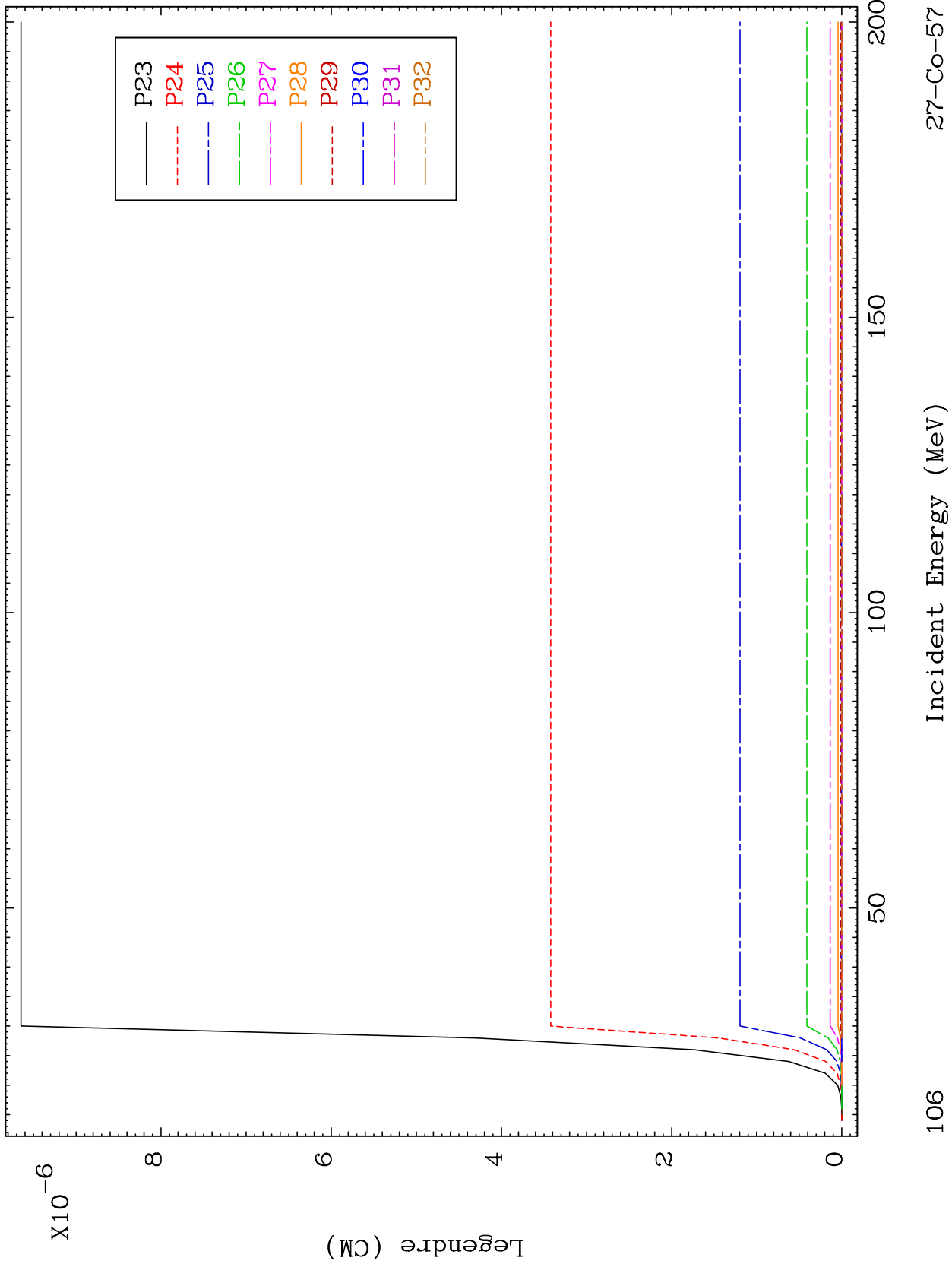
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57

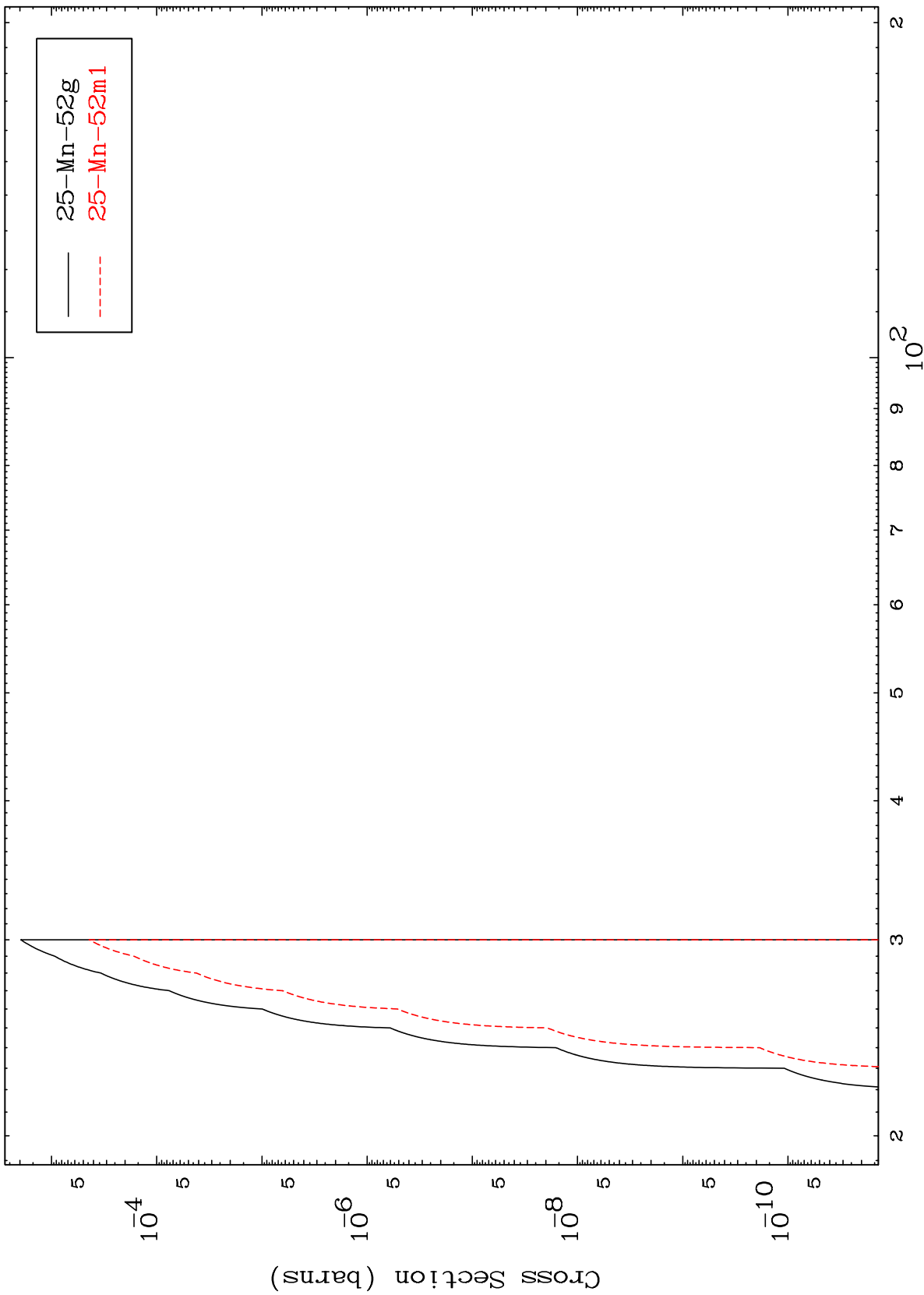


MAT 2719

(n,2n) α

27-Co-57

Radionuclide Production Cross Section



107

Incident Energy (MeV)

27-Co-57

MAT 2719

²⁷Co-57

Radionuclide Production Cross Section

(n,γ)

