

Program EVALPLOT
(Version 2018-1)

by

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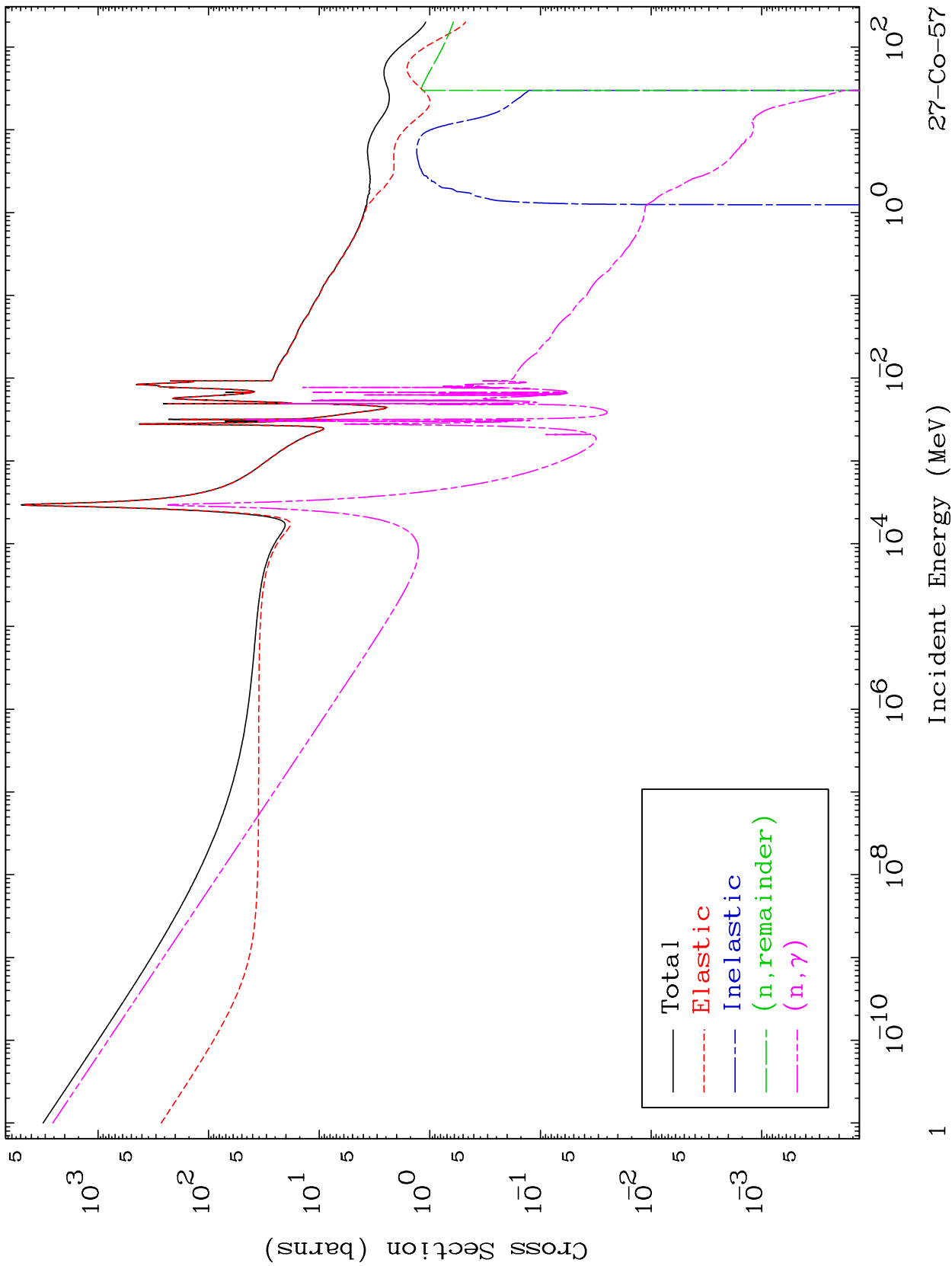
Press Mouse Button to Start

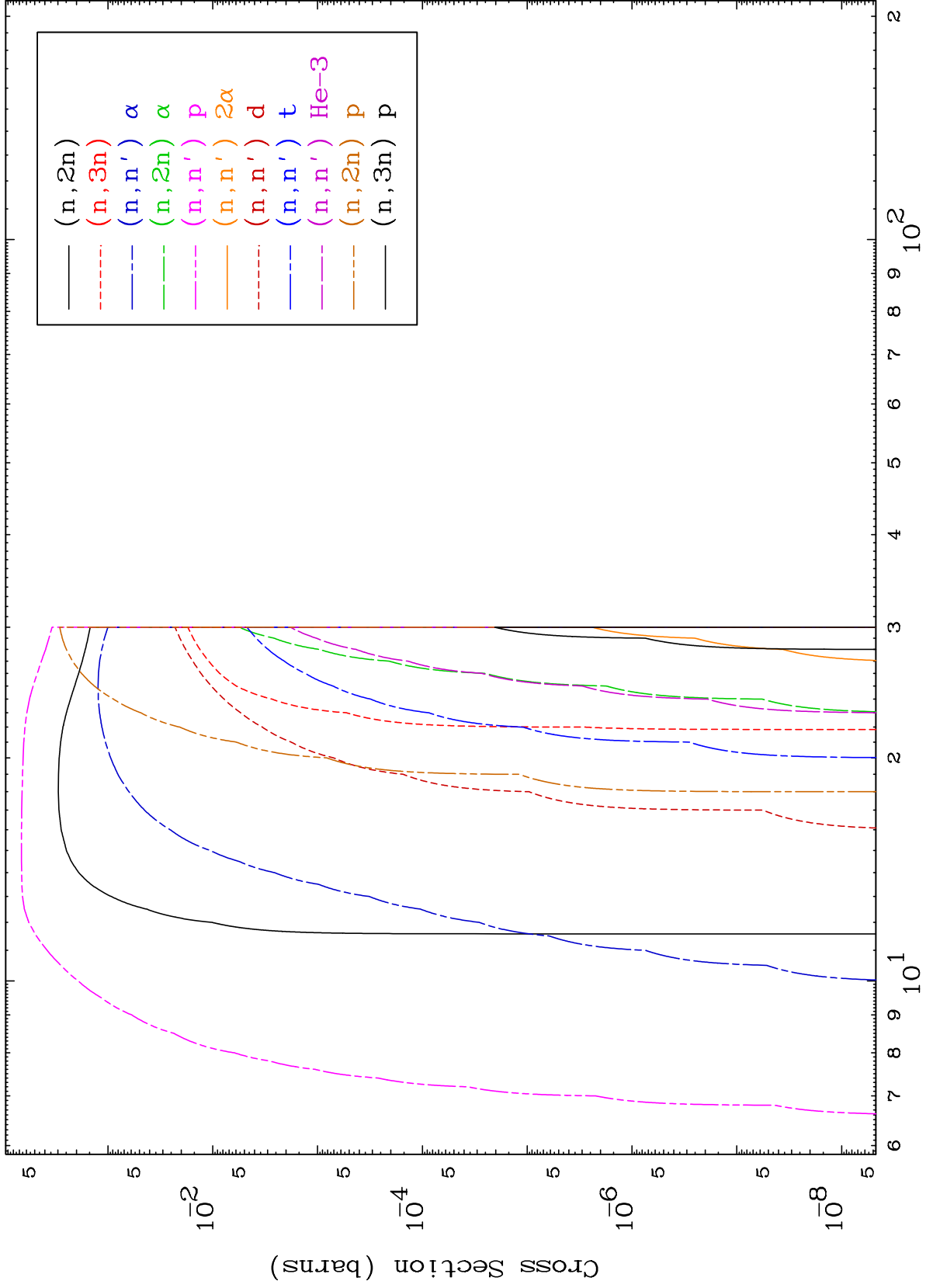
MAT 2719

Major

293 Kelvin Cross Sections

27-Co-57

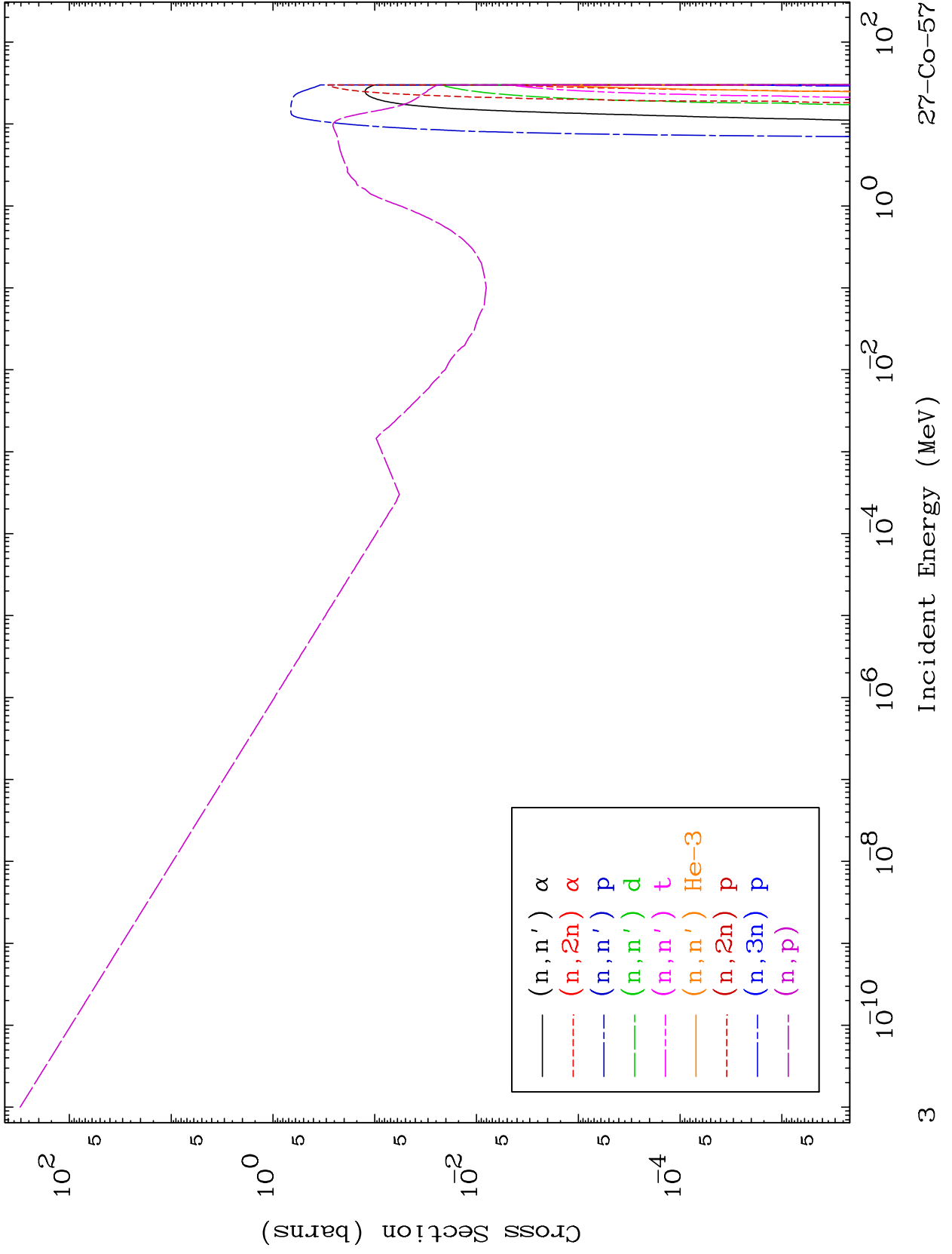




MAT 2719

Charged Particle
293 Kelvin Cross Sections

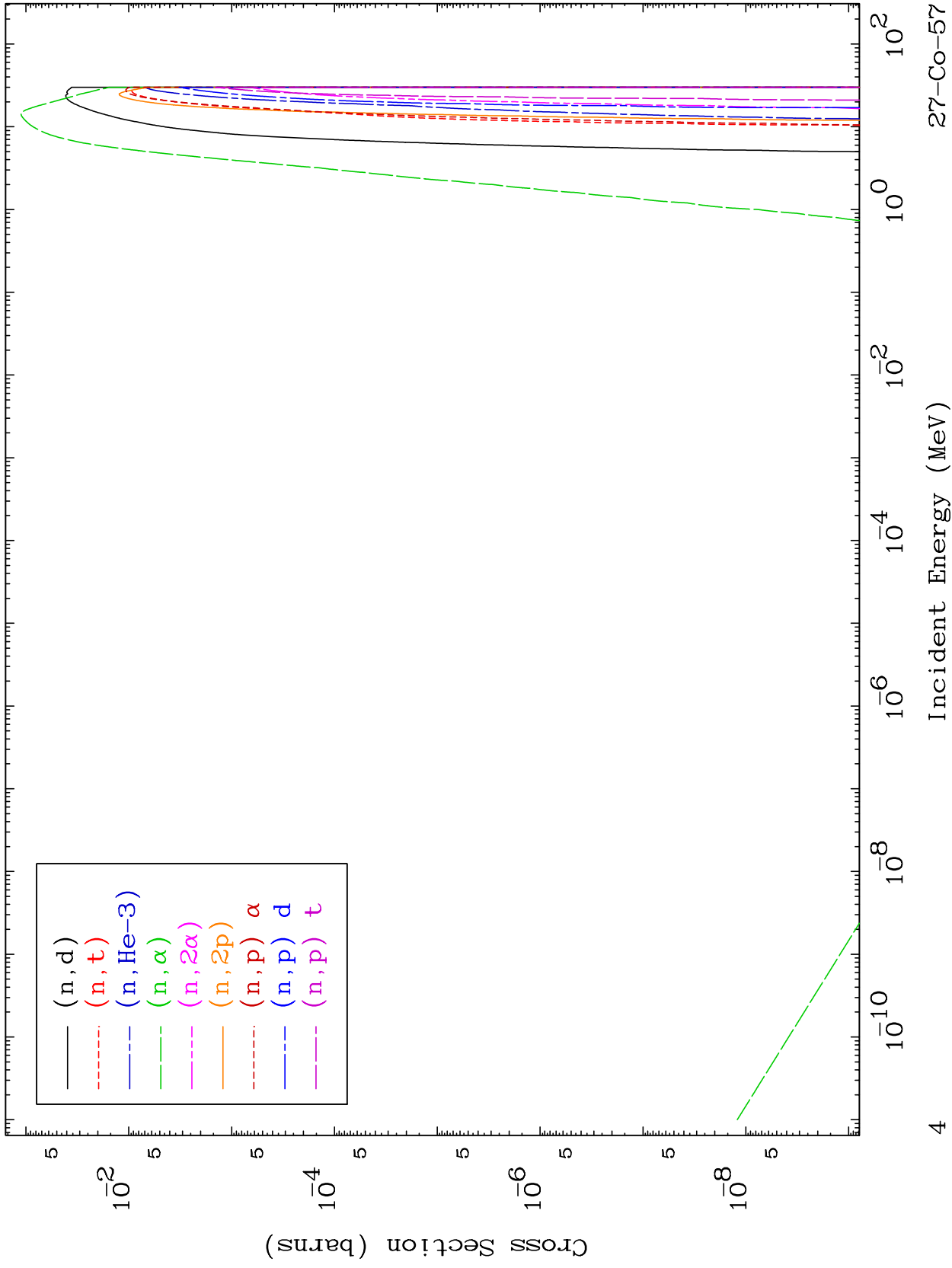
27-Co-57



MAT 2719

Charged Particle
293 Kelvin Cross Sections

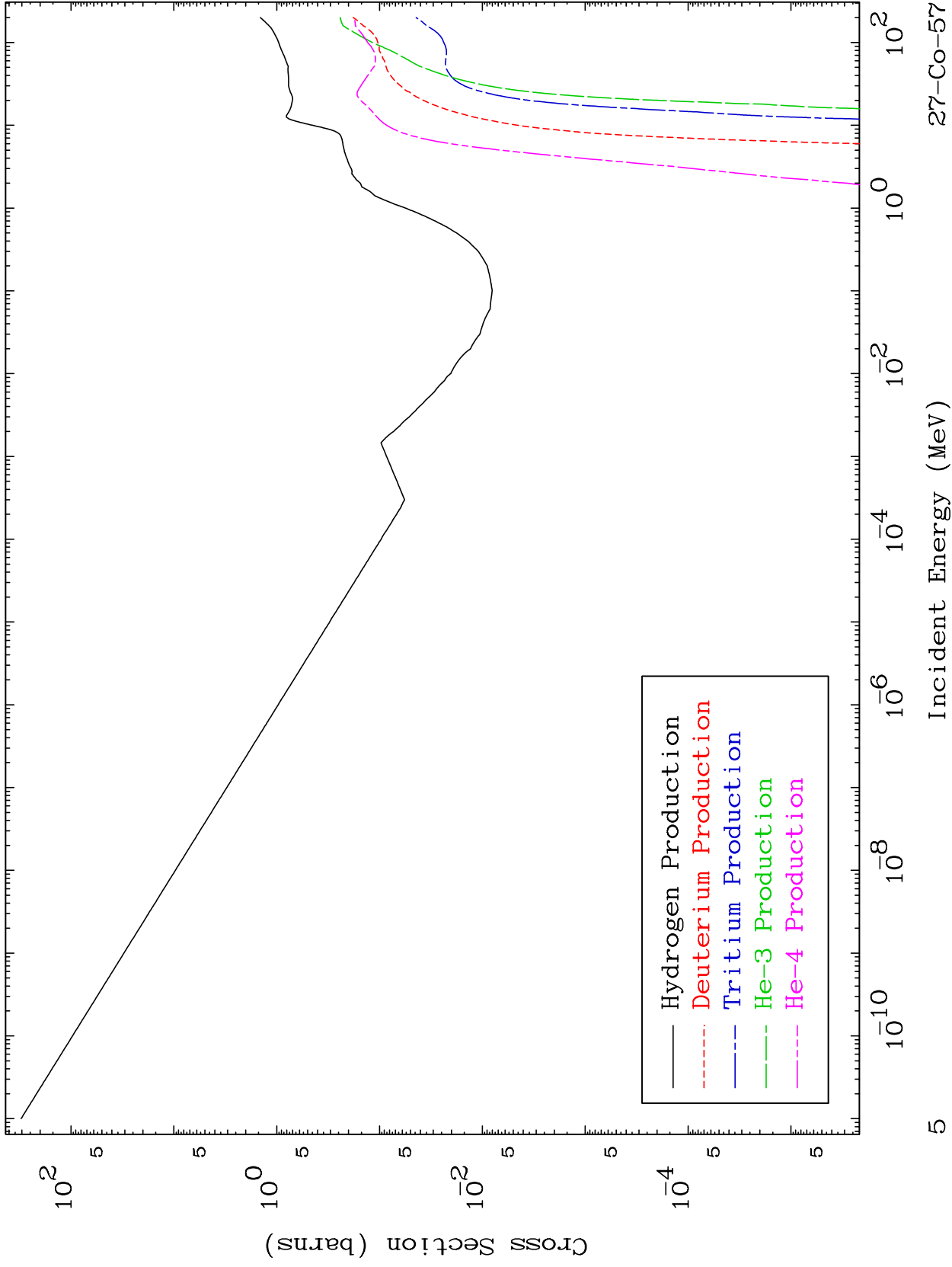
27-Co-57



MAT 2719

Particle Production
293 Kelvin Cross Sections

27-Co-57

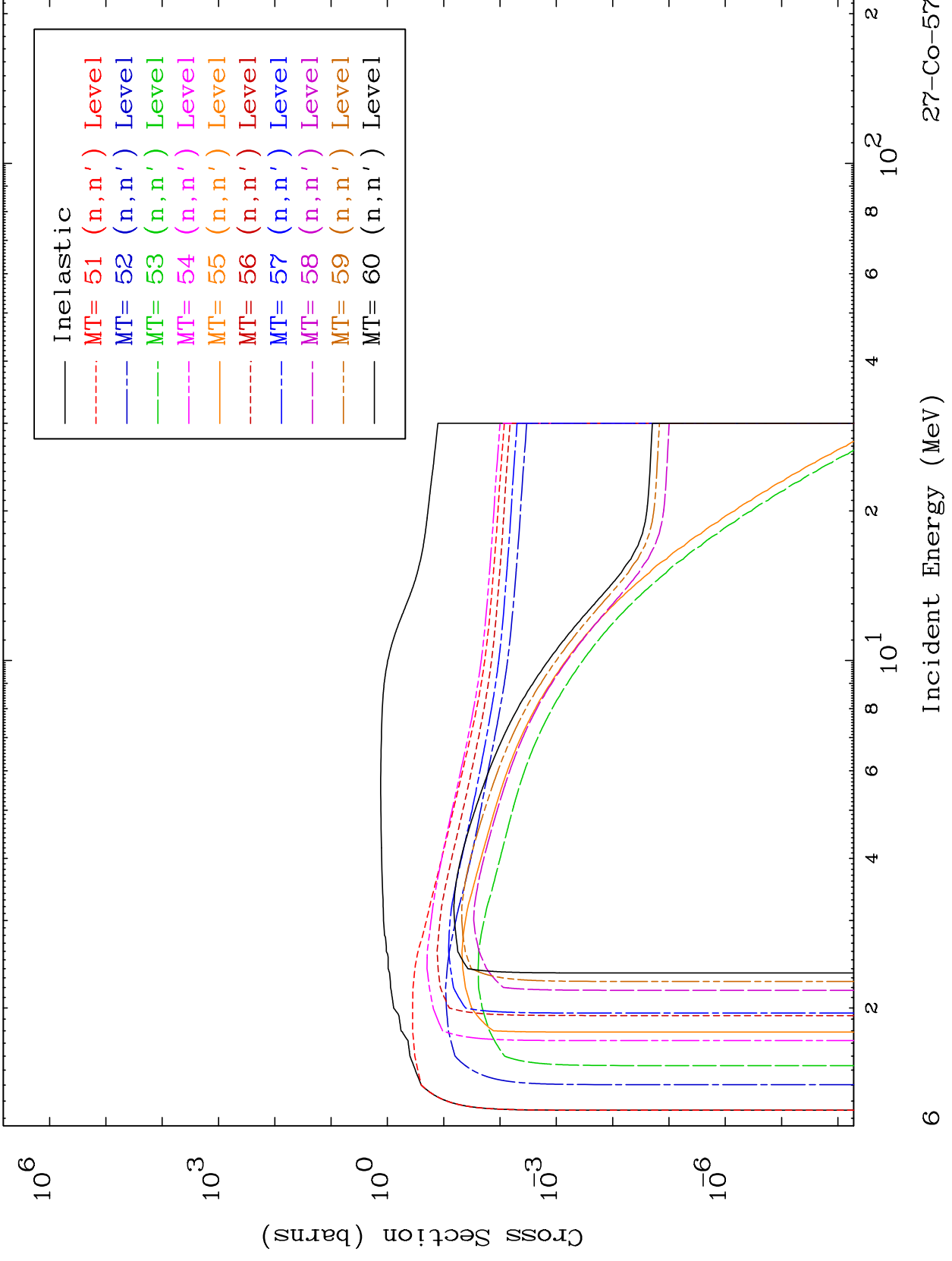


MAT 2719

(n,n') Level

27-Co-57

293 Kelvin Cross Sections



6

Incident Energy (MeV)

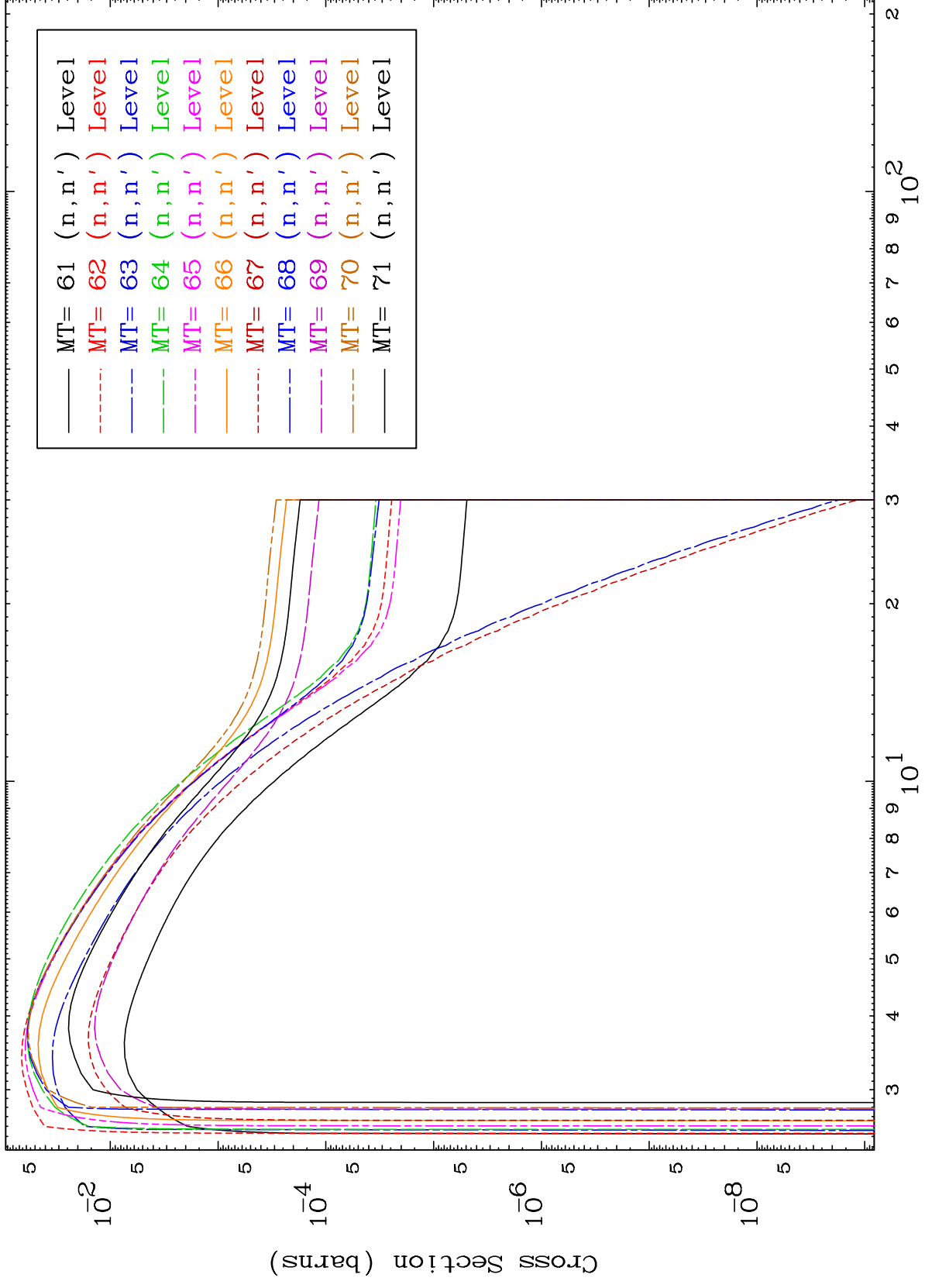
27-Co-57

MAT 2719

(n,n') Level

27-Co-57

293 Kelvin Cross Sections

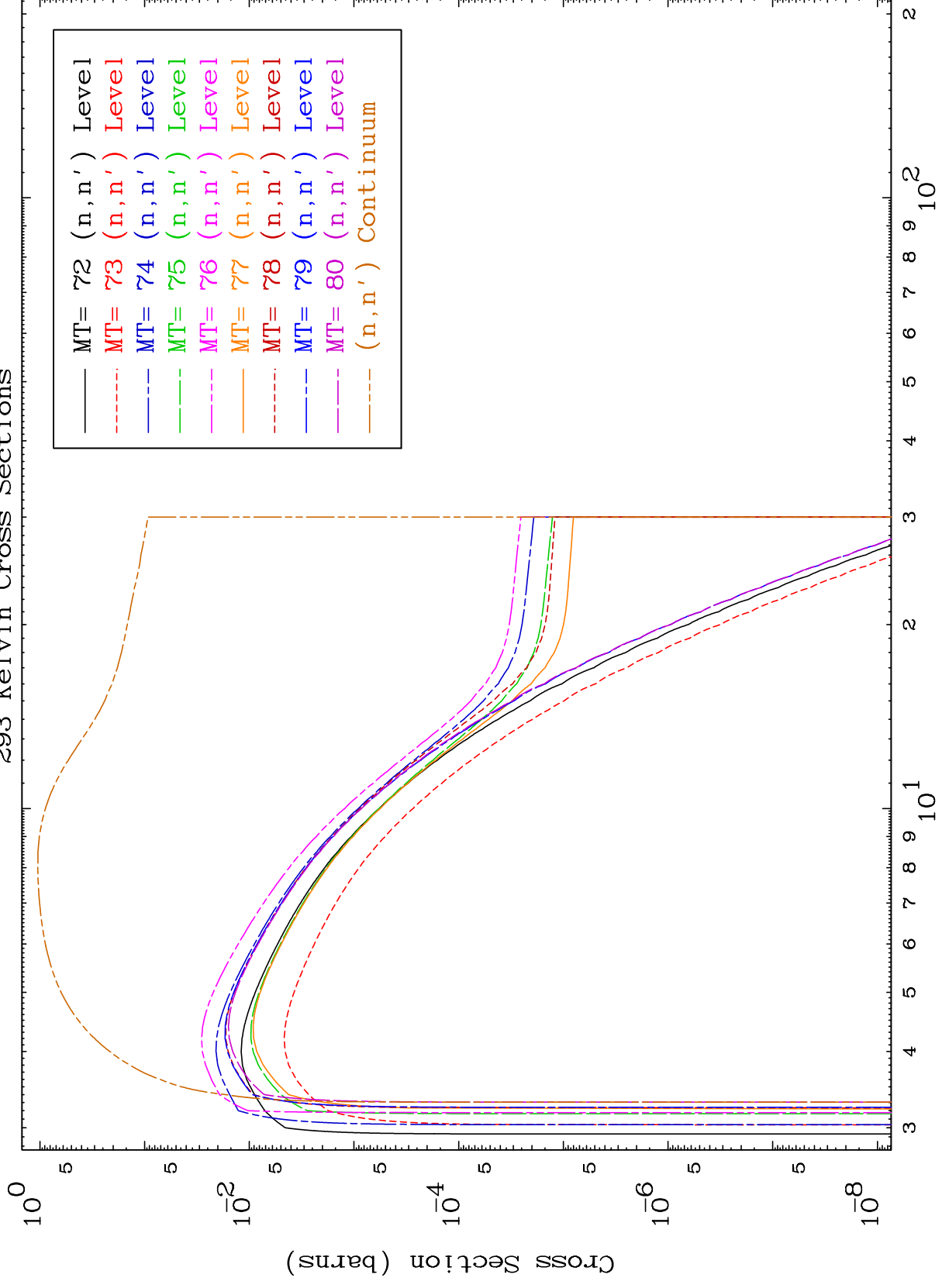


MAT 2719

(n,n') Level

27-Co-57

293 Kelvin Cross Sections



8

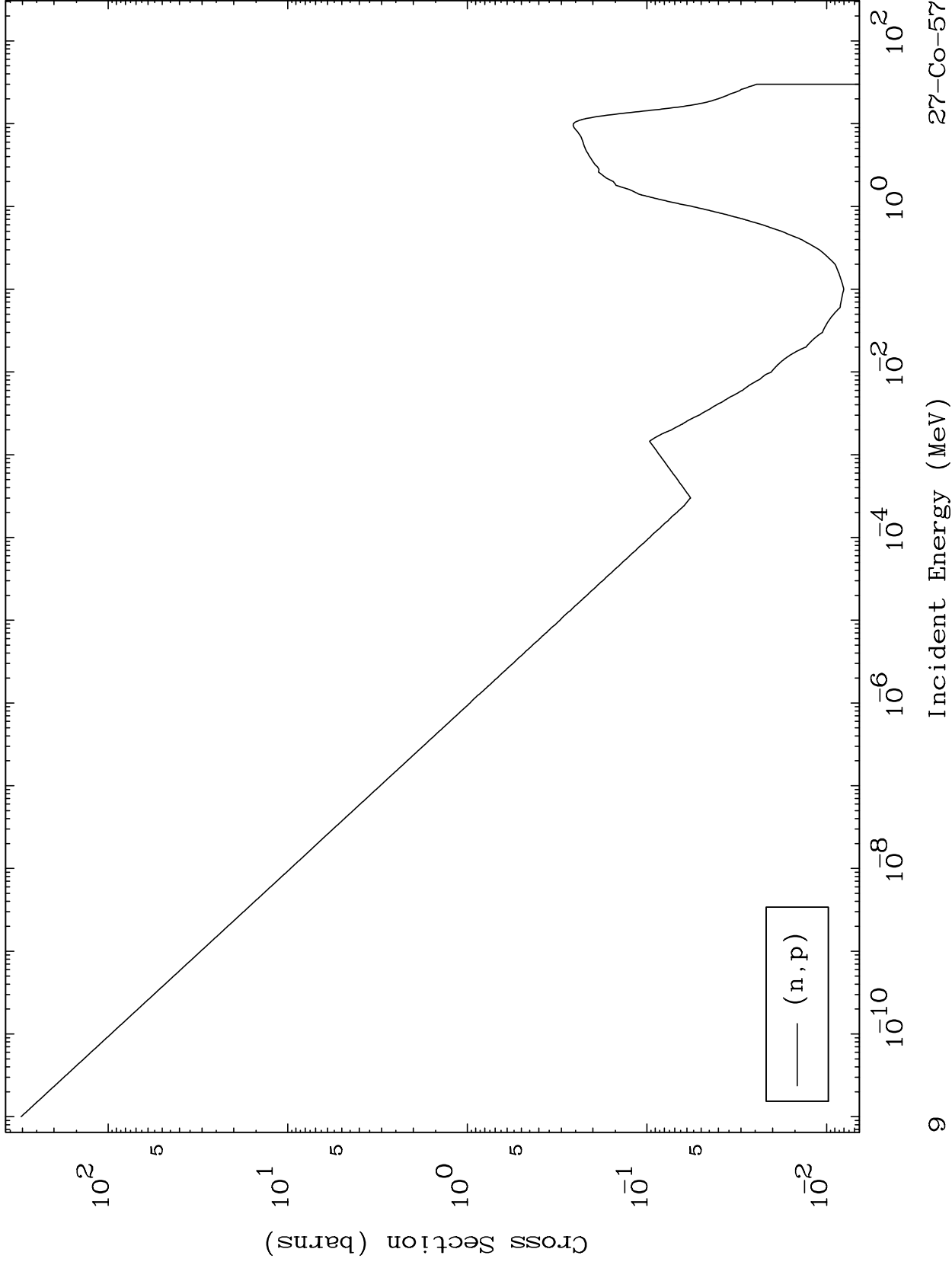
Incident Energy (MeV)

27-Co-57

MAT 2719

(n,p) Levels
293 Kelvin Cross Sections

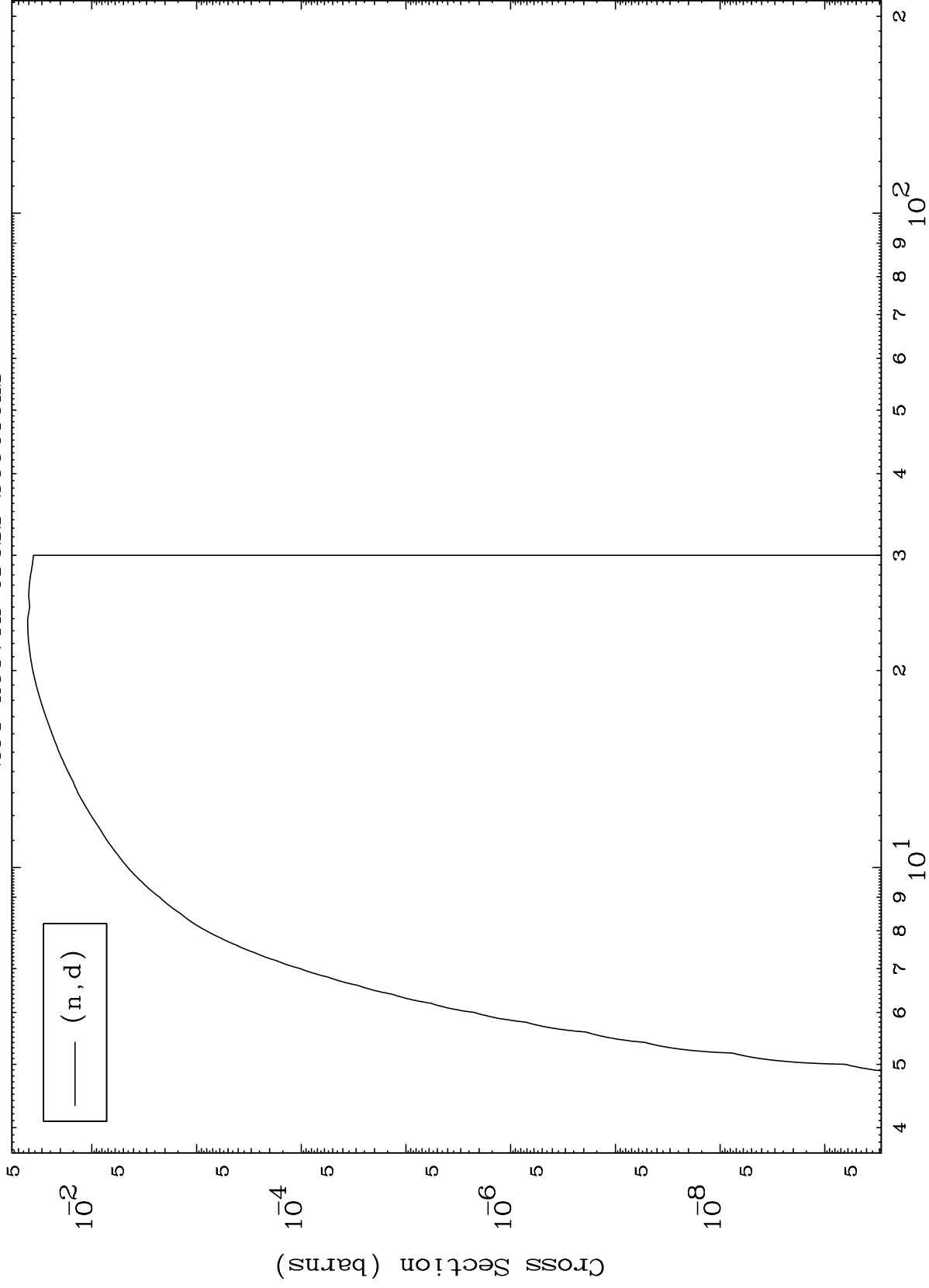
27-Co-57



MAT 2719

(n,d) Levels
293 Kelvin Cross Sections

27-Co-57



10

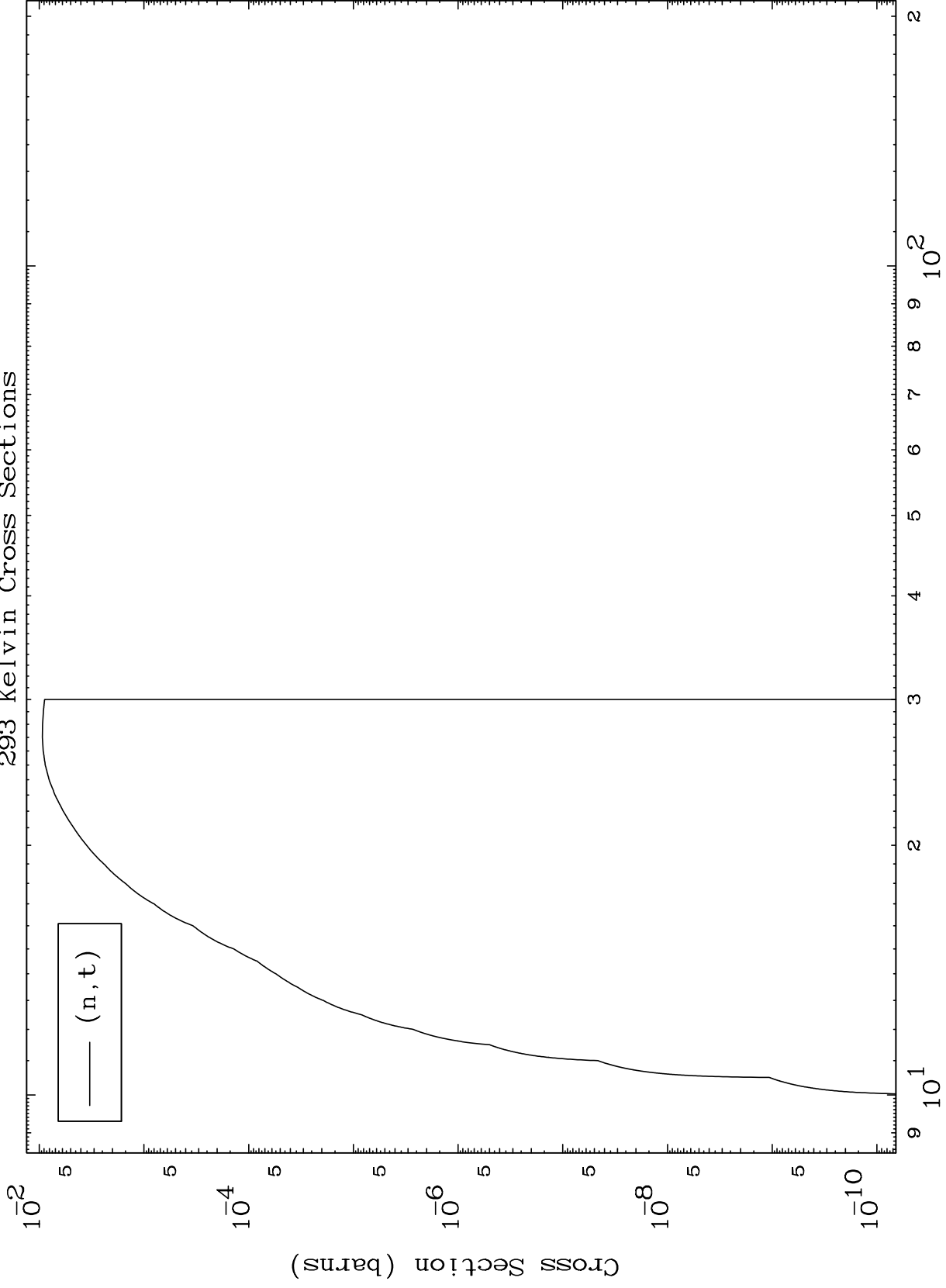
Incident Energy (MeV)

27-Co-57

MAT 2719

(n,t) Levels
293 Kelvin Cross Sections

27-Co-57



11

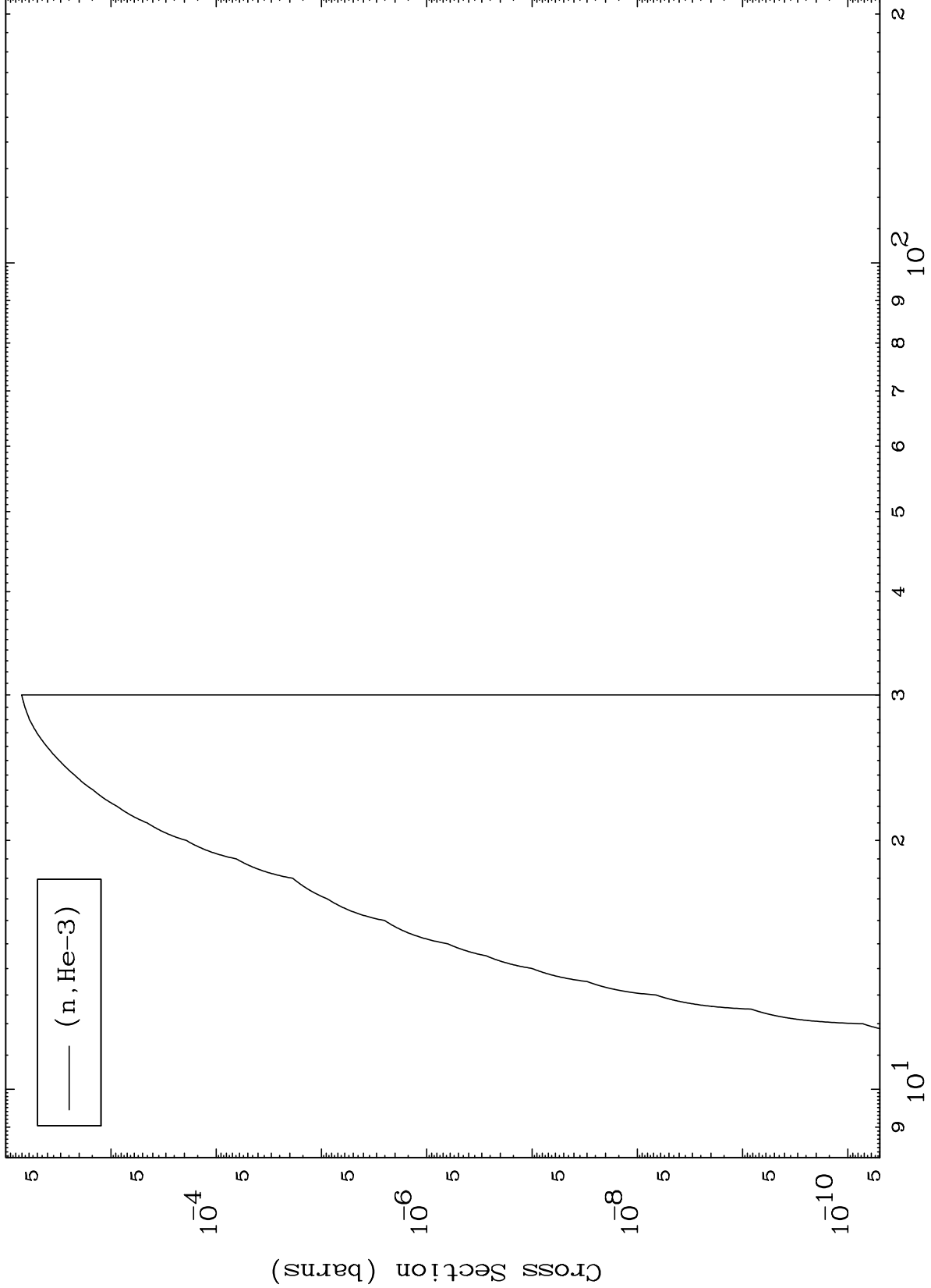
Incident Energy (MeV)

27-Co-57

MAT 2719

(n,He3) Levels
293 Kelvin Cross Sections

27-Co-57



12

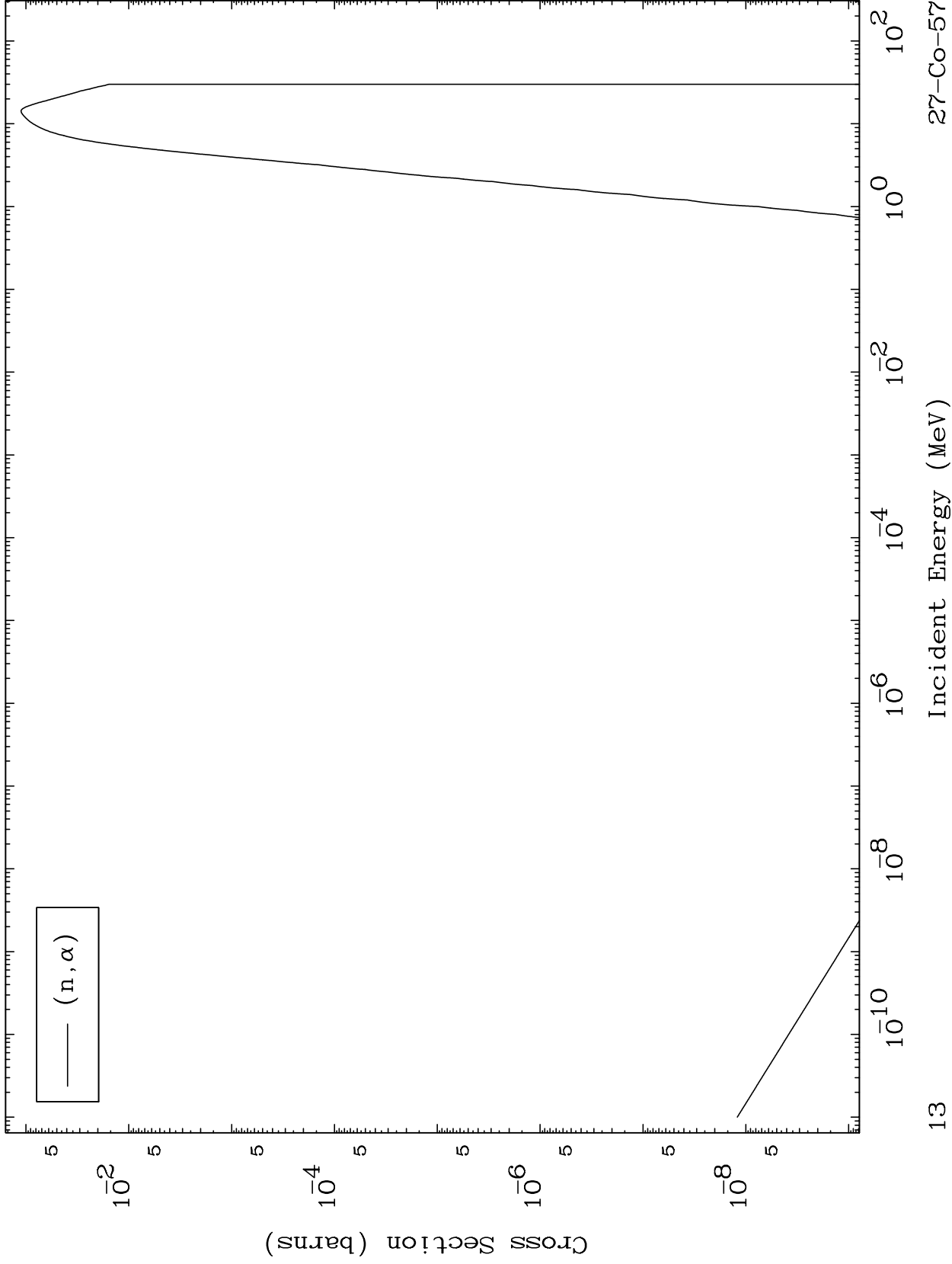
Incident Energy (MeV)

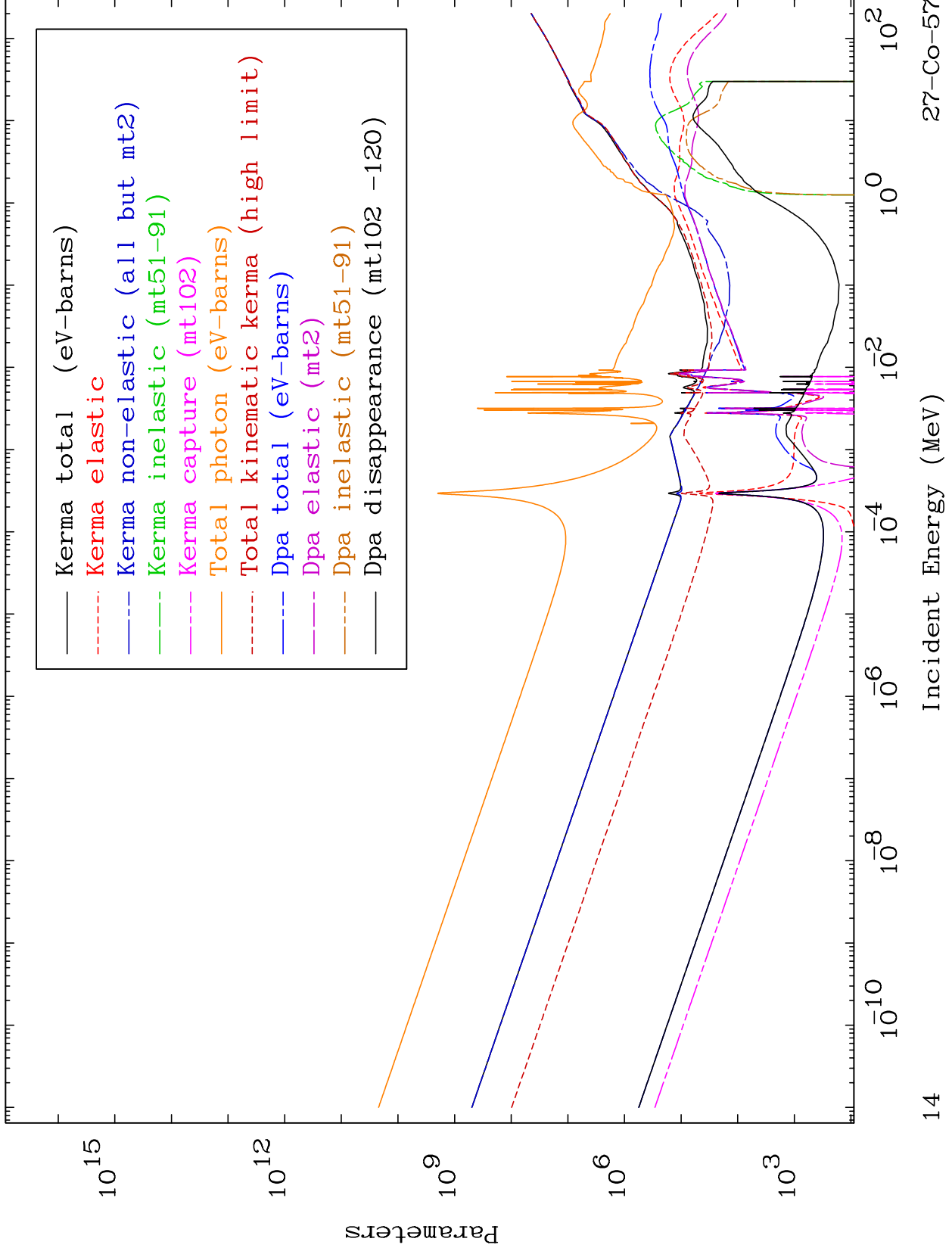
27-Co-57

MAT 2719

(n, α) Levels
293 Kelvin Cross Sections

27-Co-57

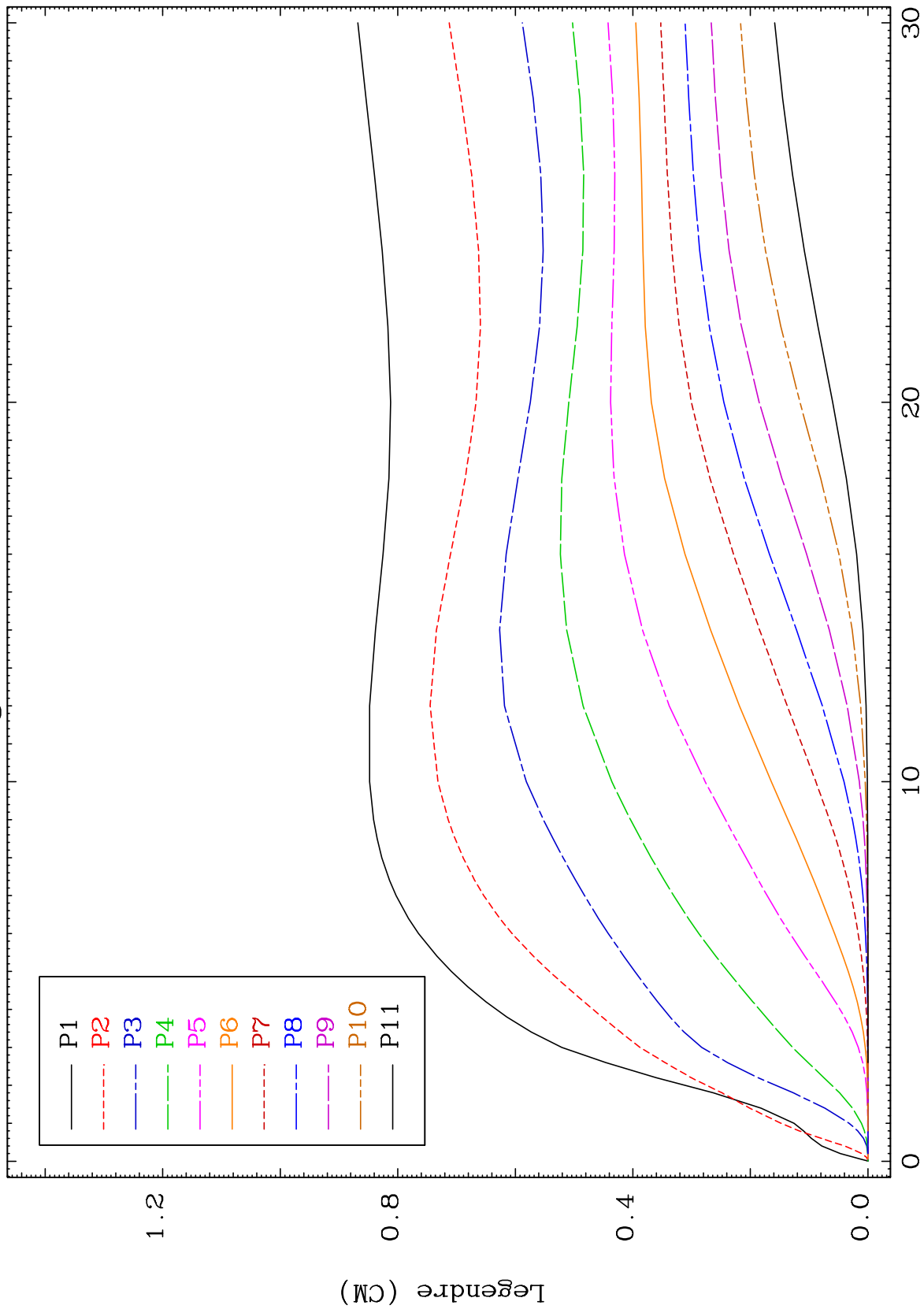




MAT 2719

Elastic Legendre Coefficients

27-Co-57



27-Co-57

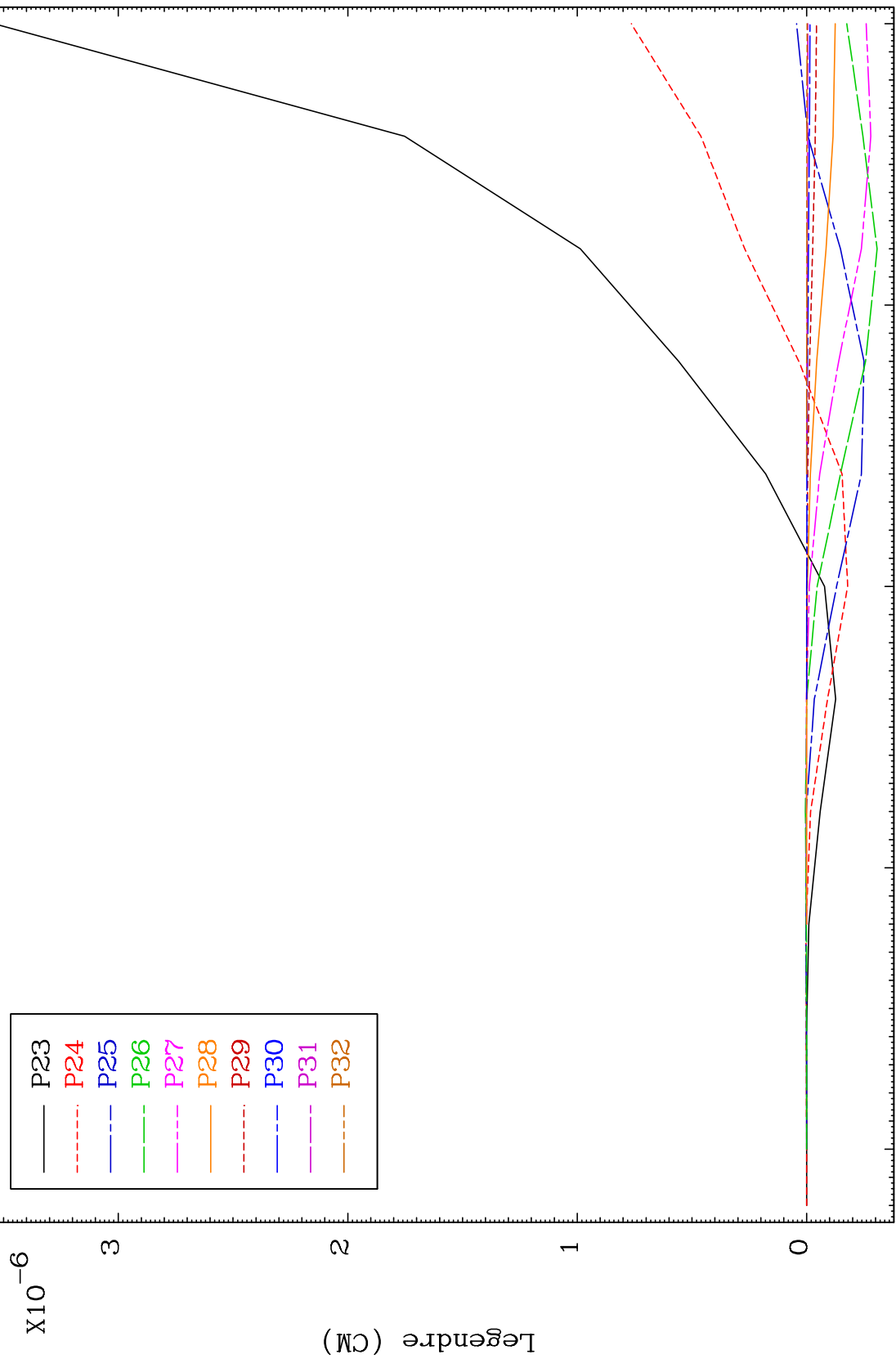
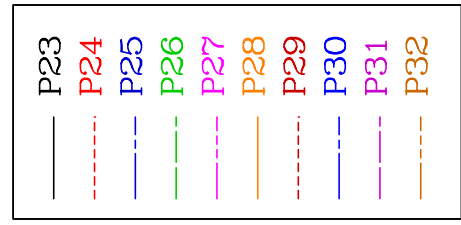
Incident Energy (MeV)

15

MAT 2719

Elastic Legendre Coefficients

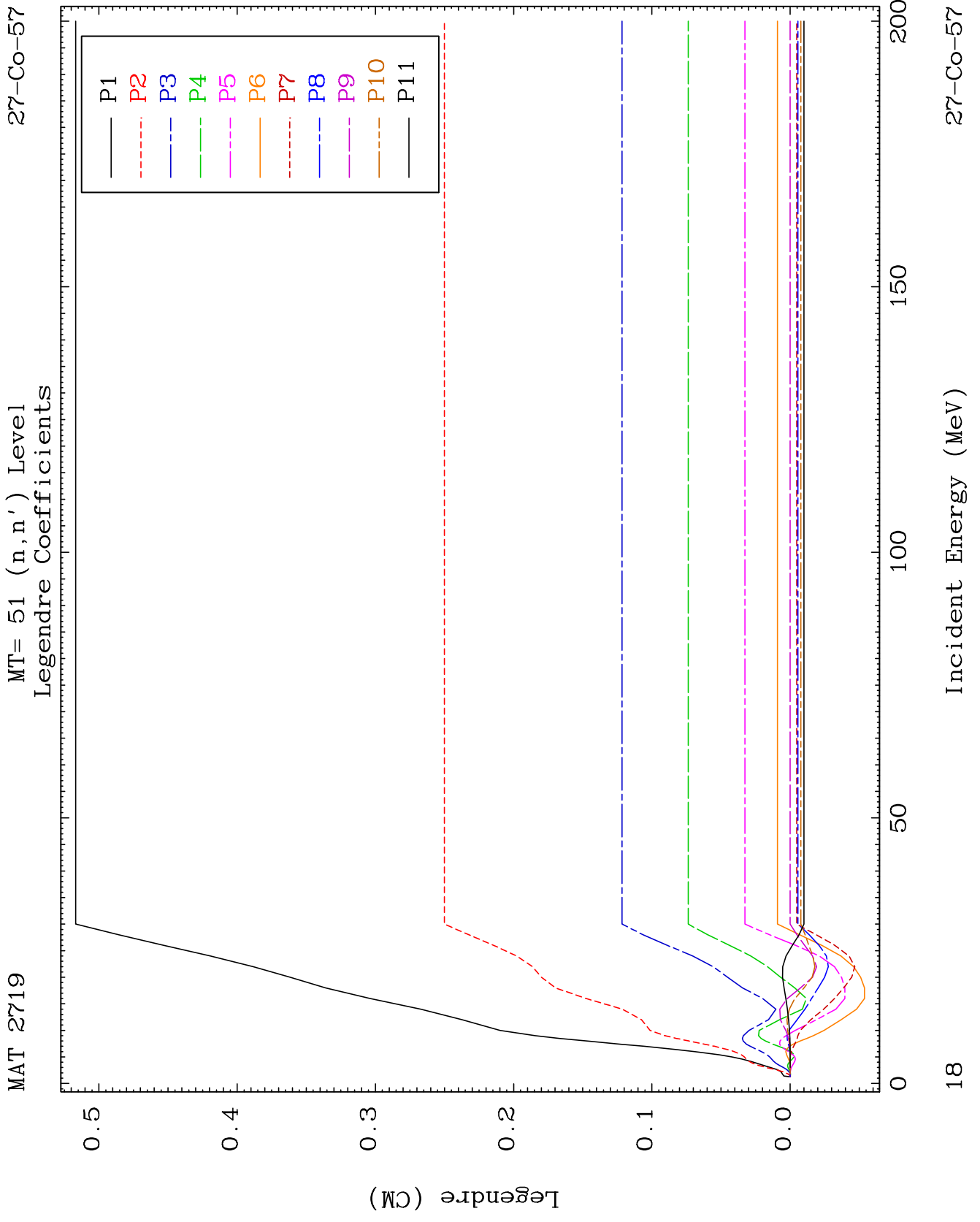
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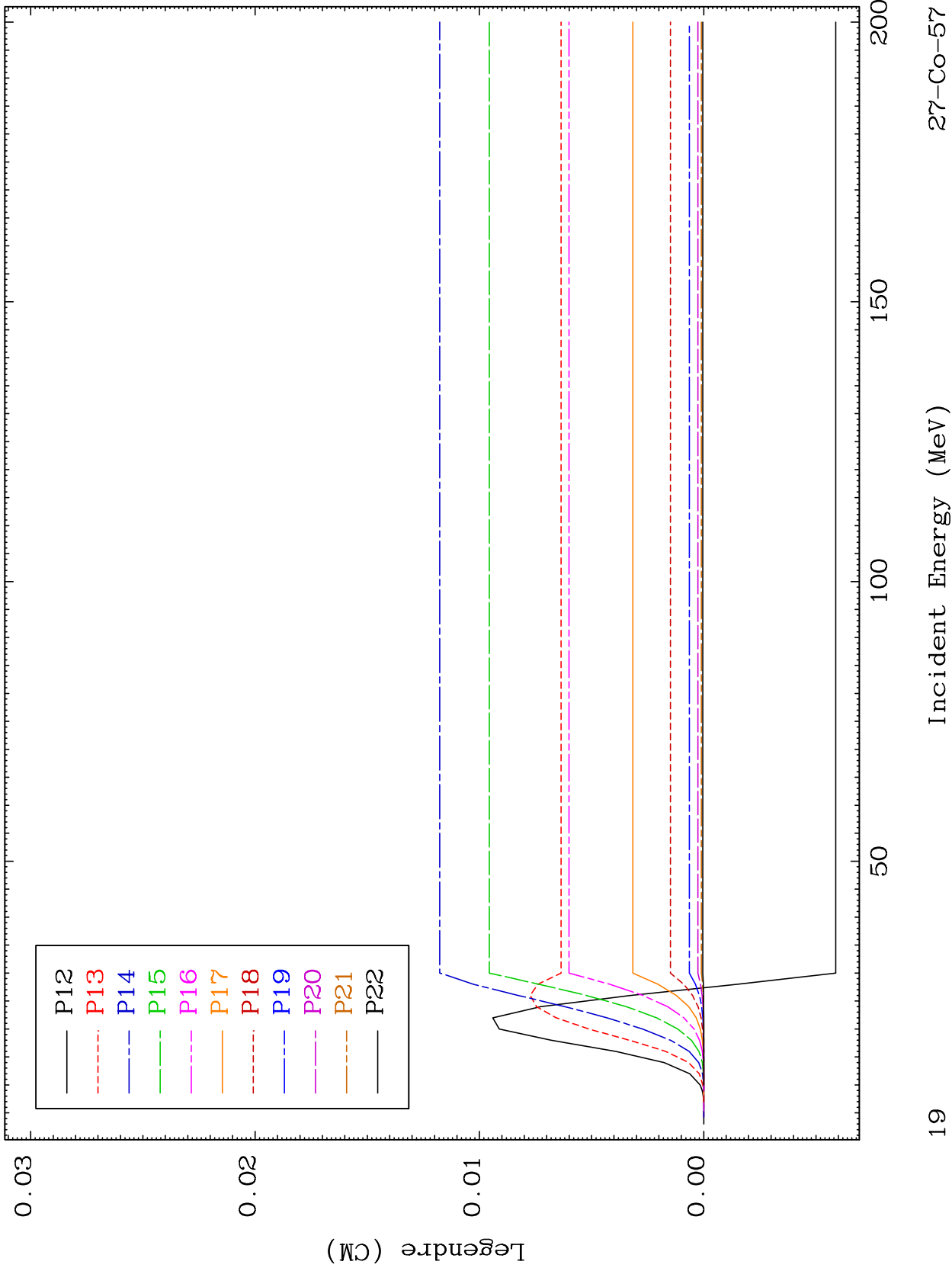


17

Incident Energy (MeV)

27-Co-57

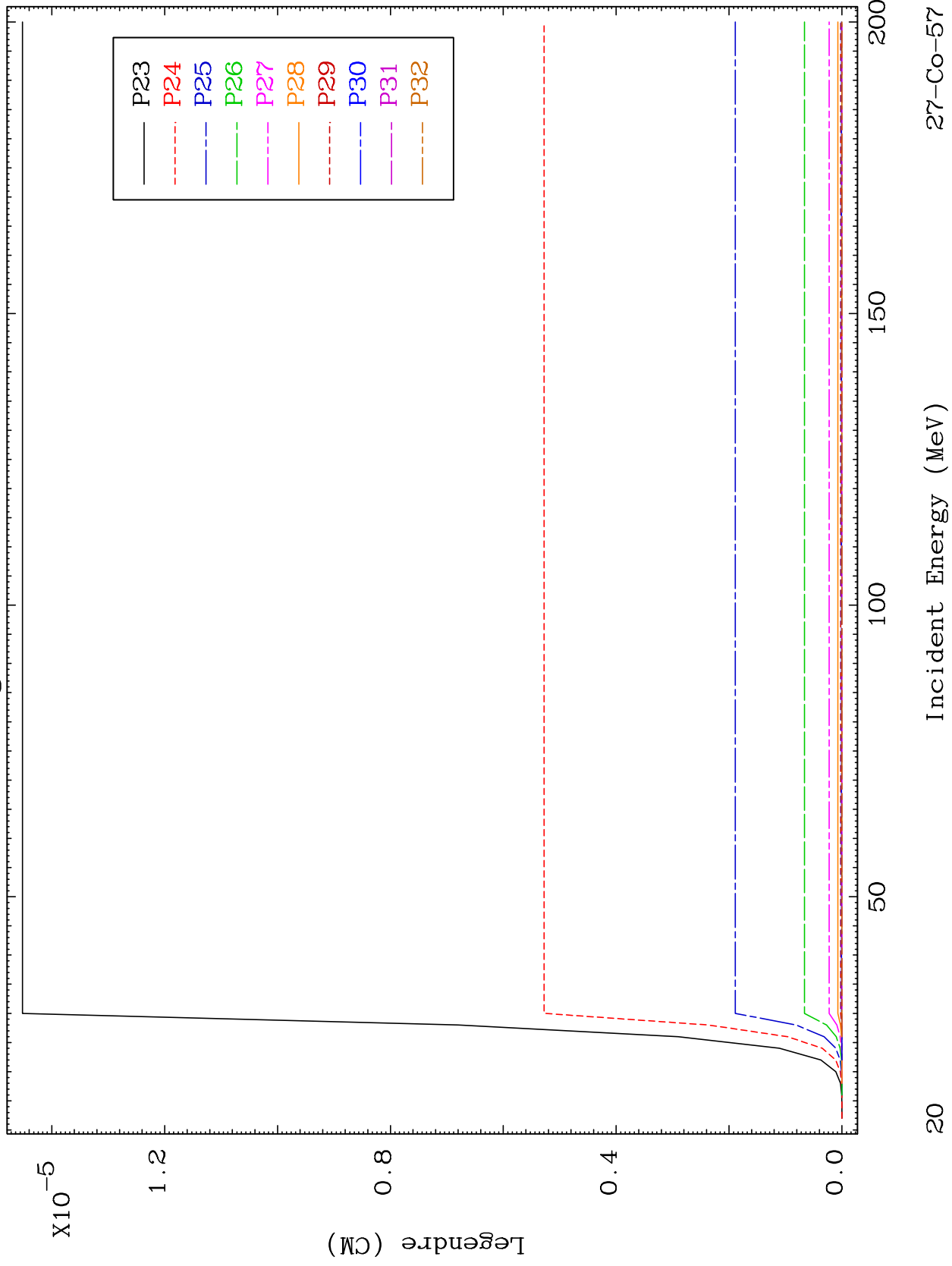




MAT 2719

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

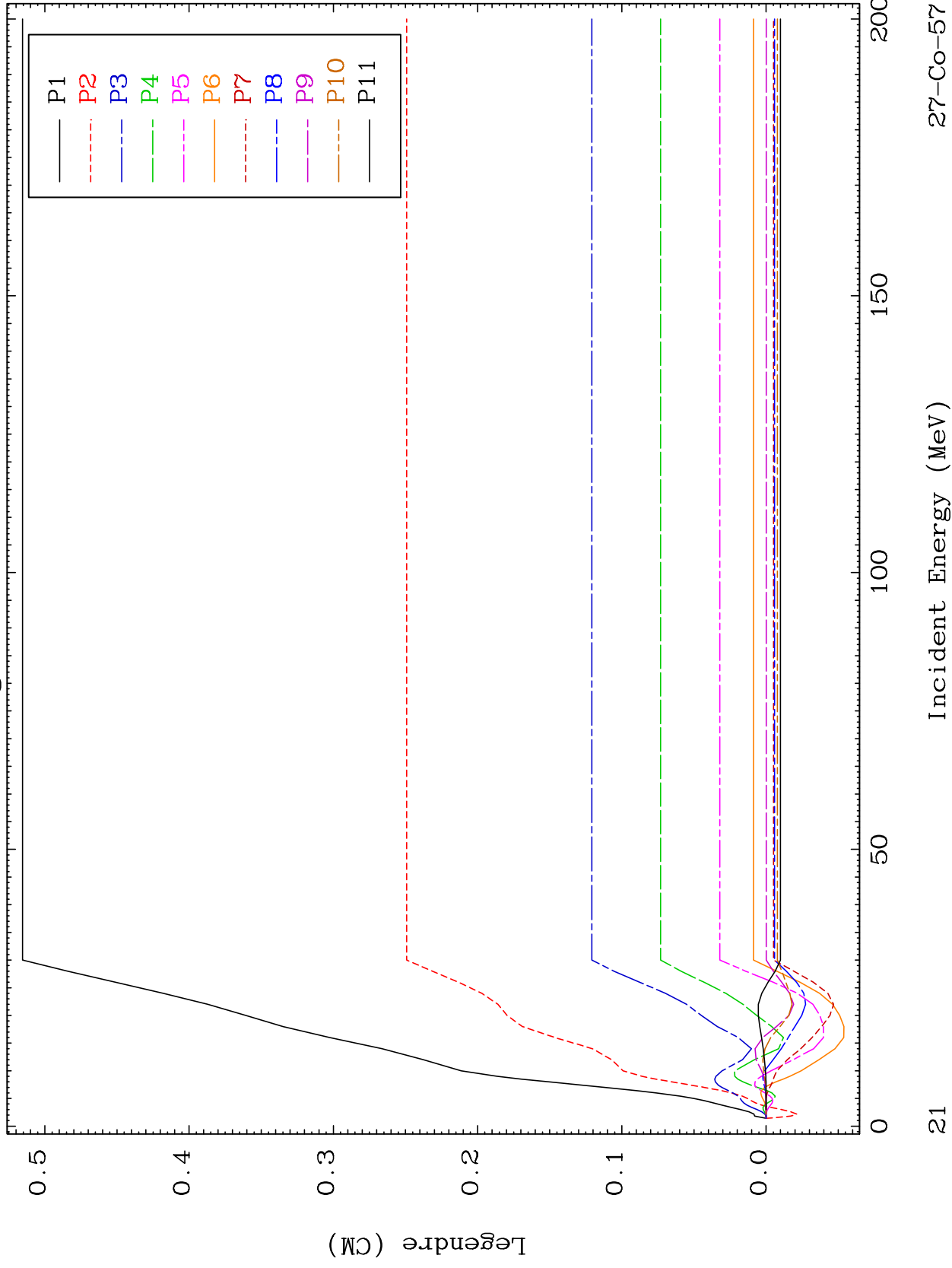
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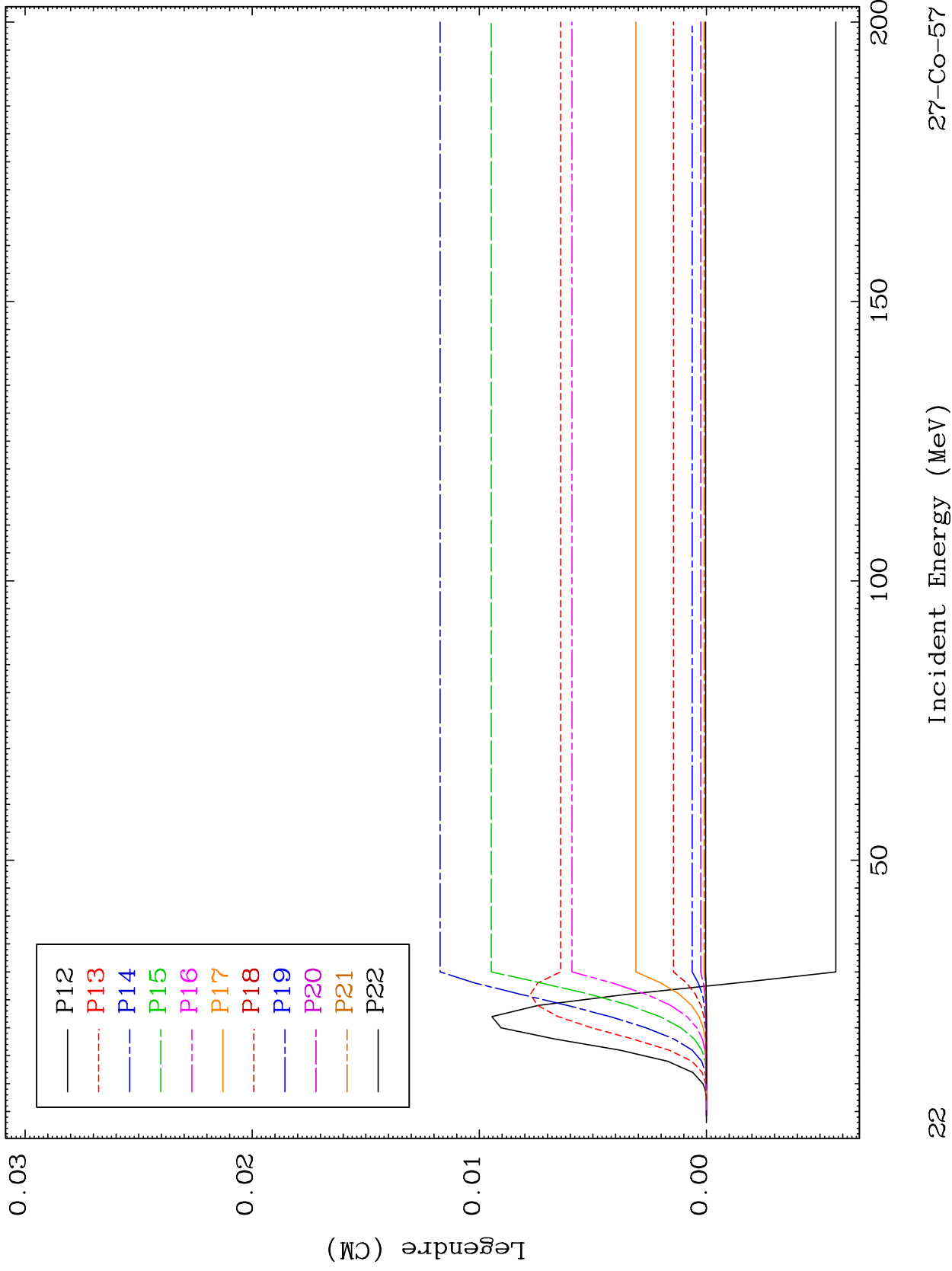


MAT 2719

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

27-Co-57

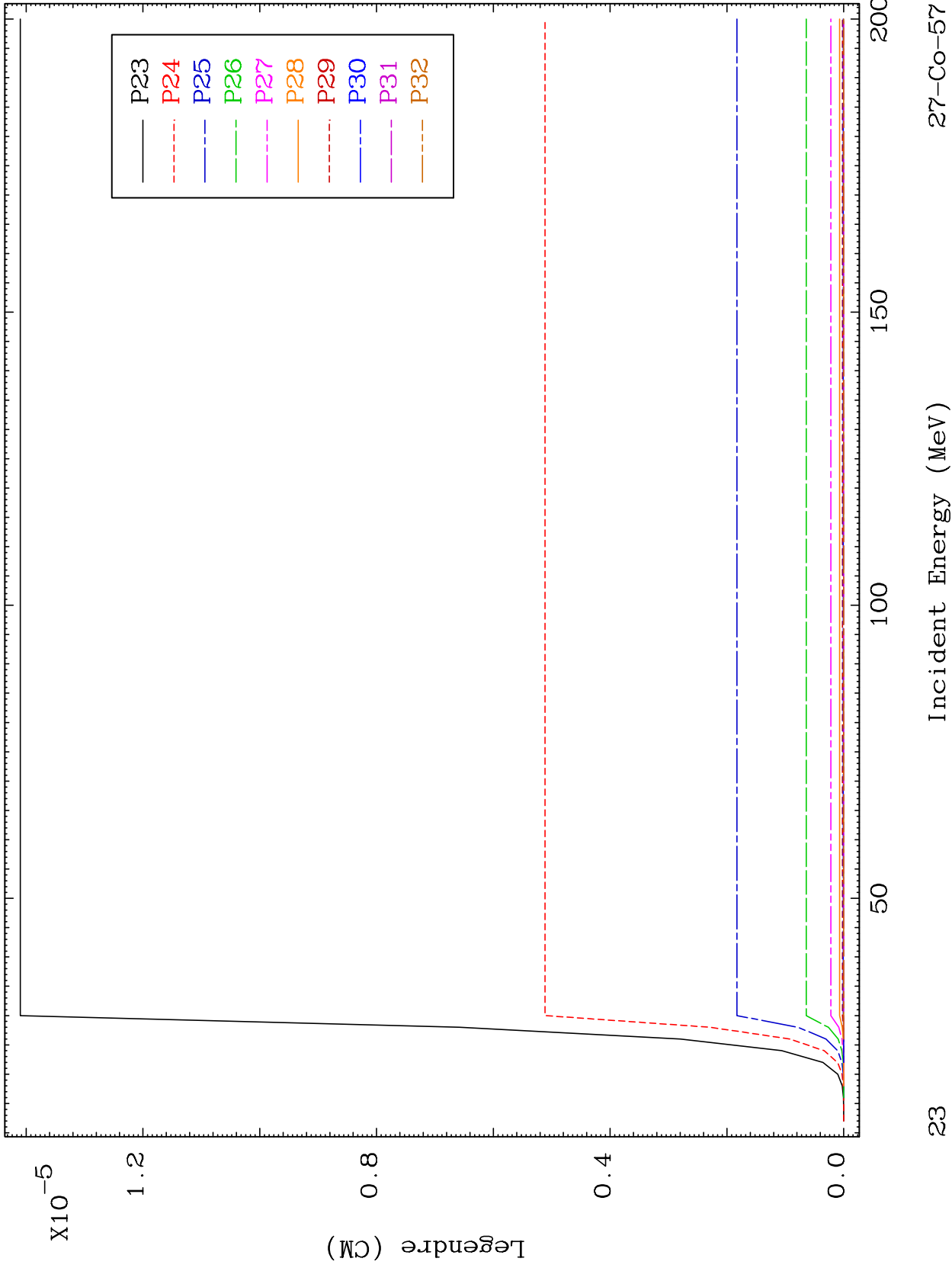




MAT 2719

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

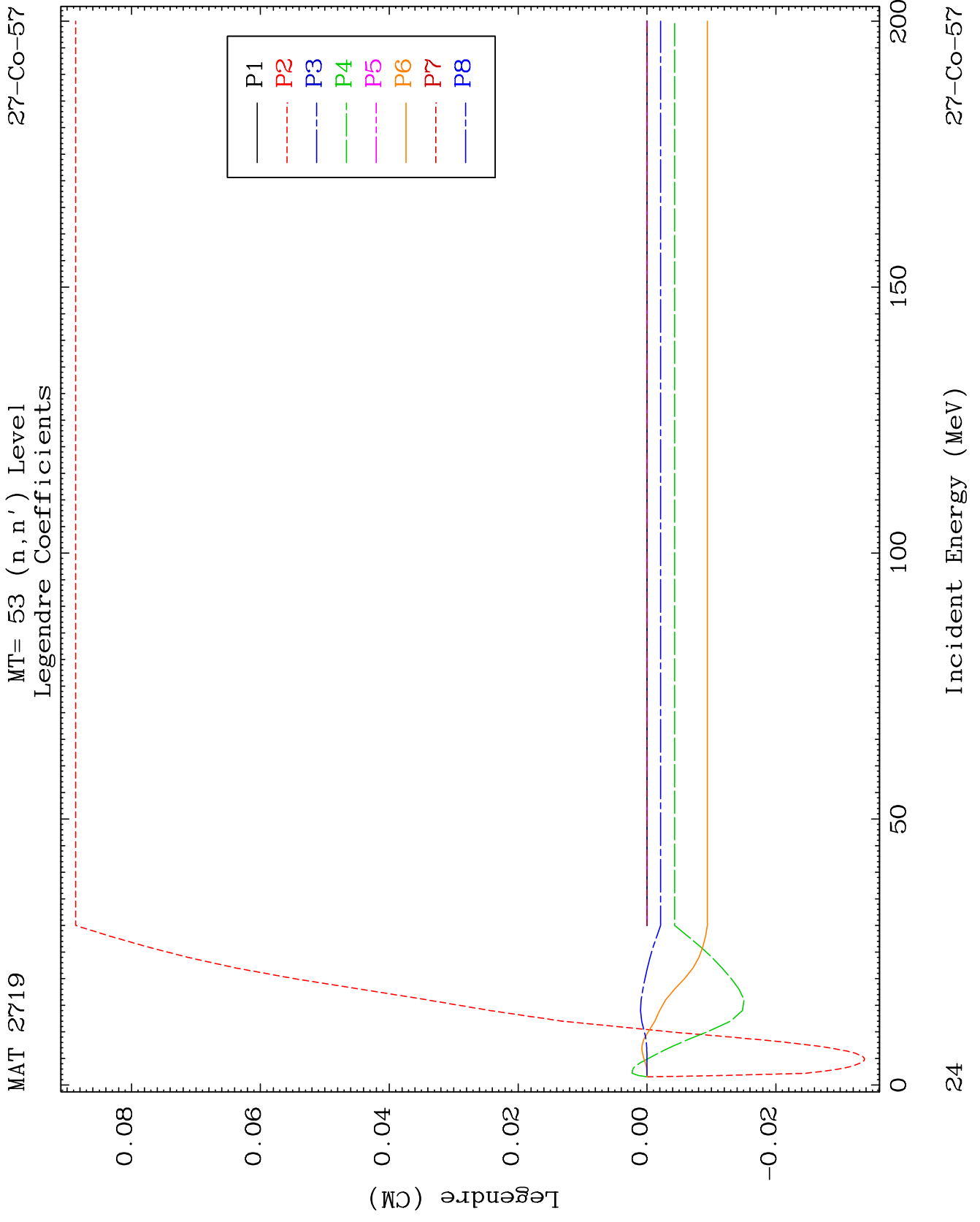
27-Co-57



23

Incident Energy (MeV)

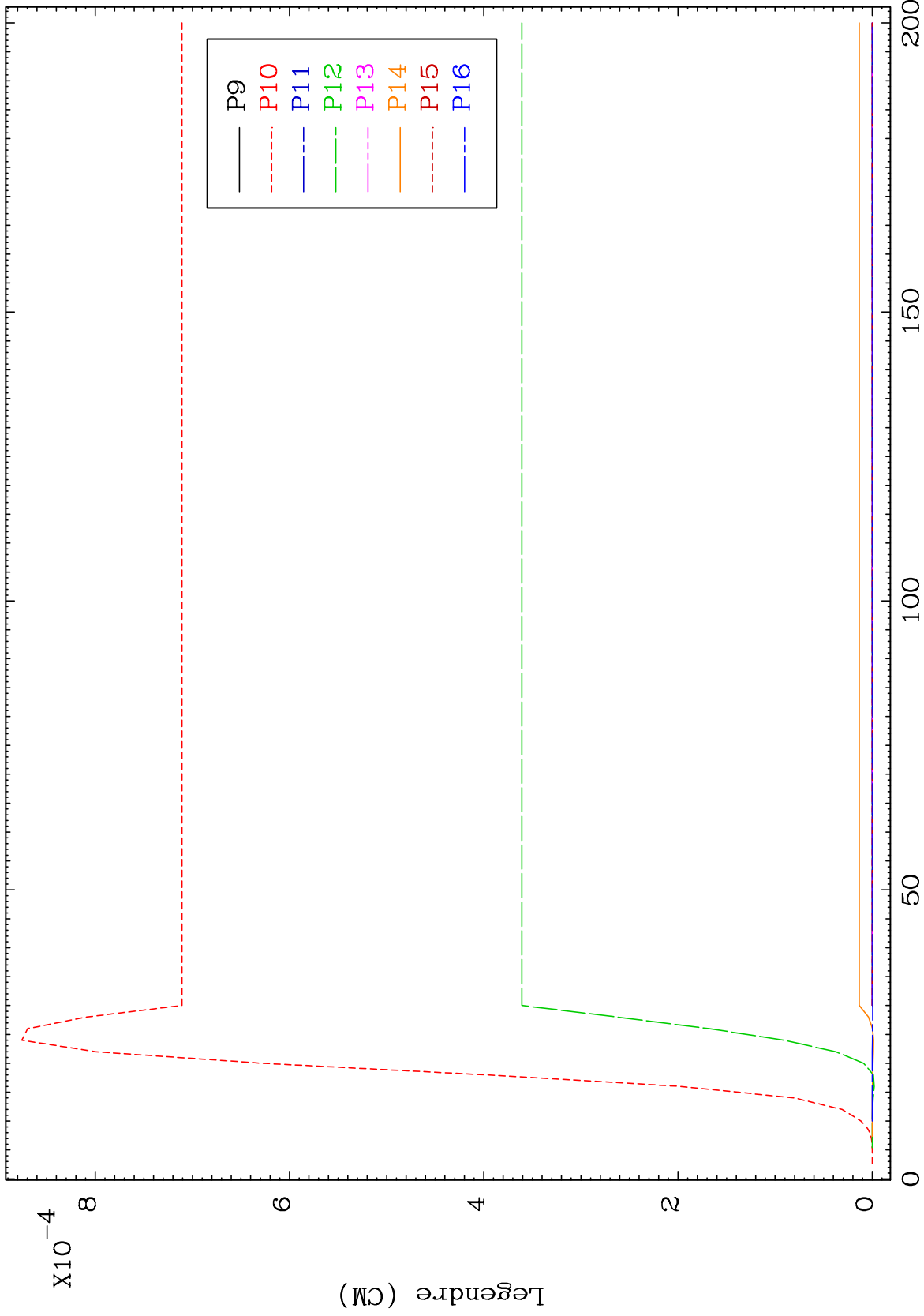
27-Co-57



MAT 2719

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

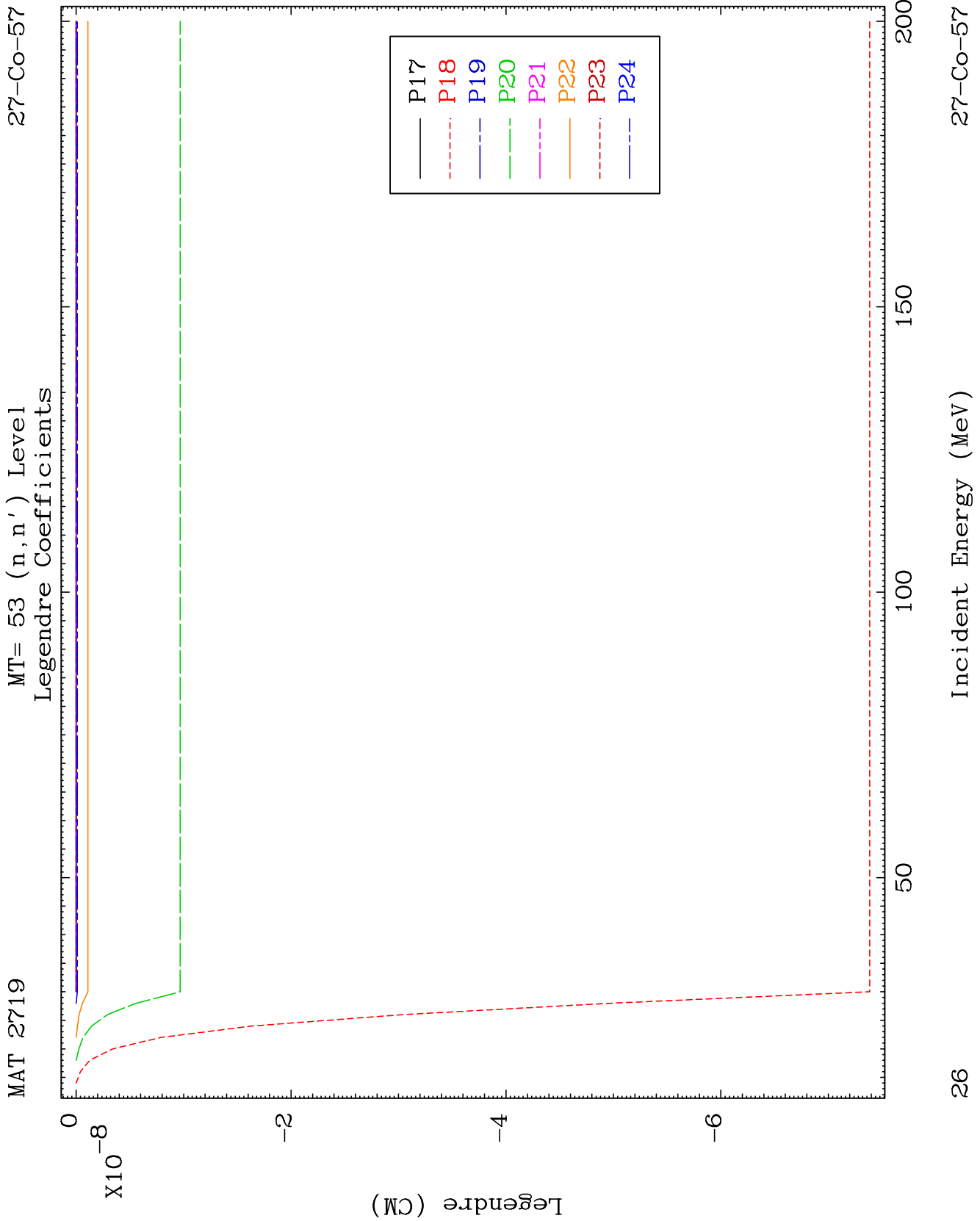
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25

Incident Energy (MeV)

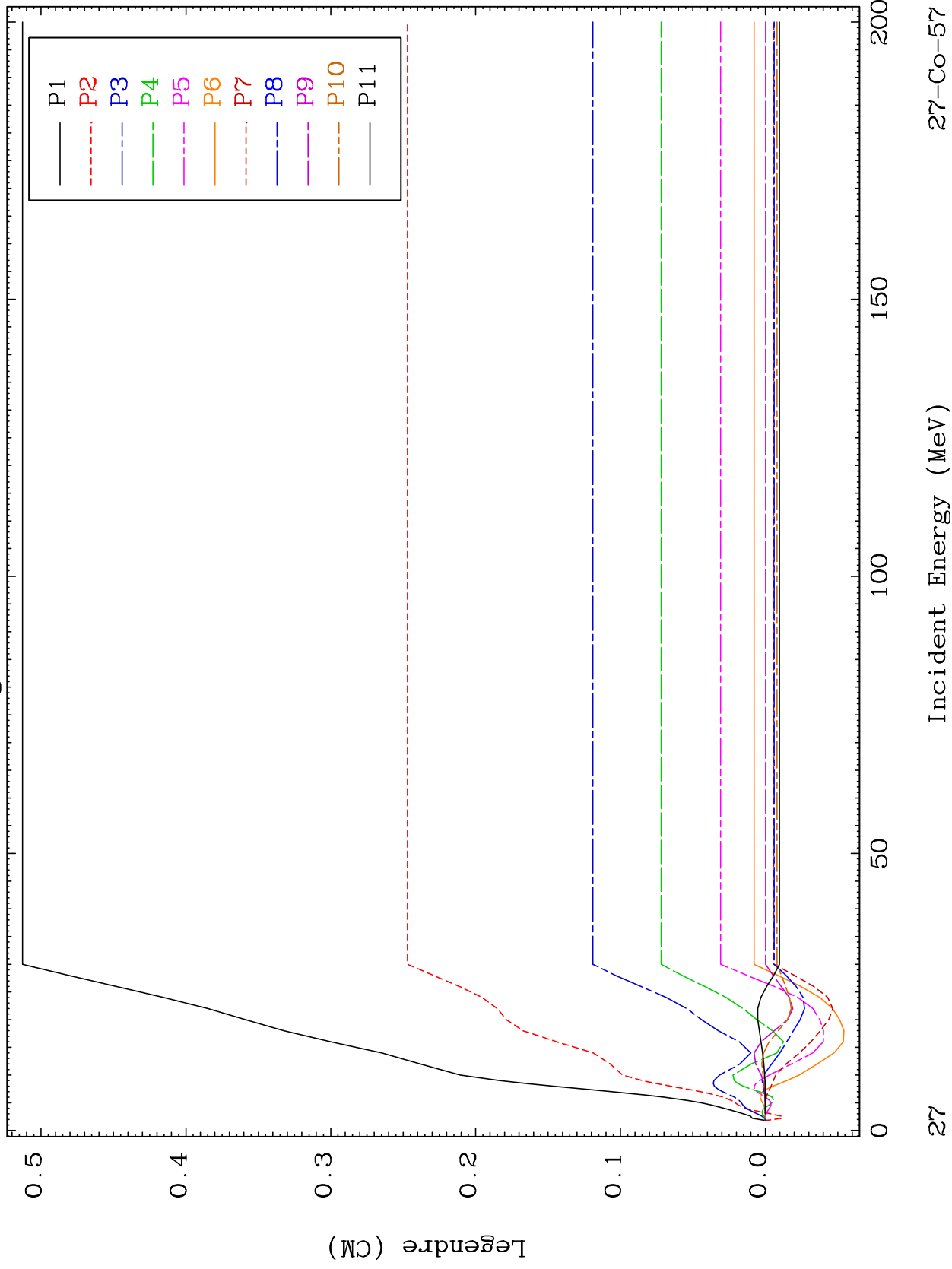
27-Co-57



MAT 2719

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

27-Co-57



27-Co-57

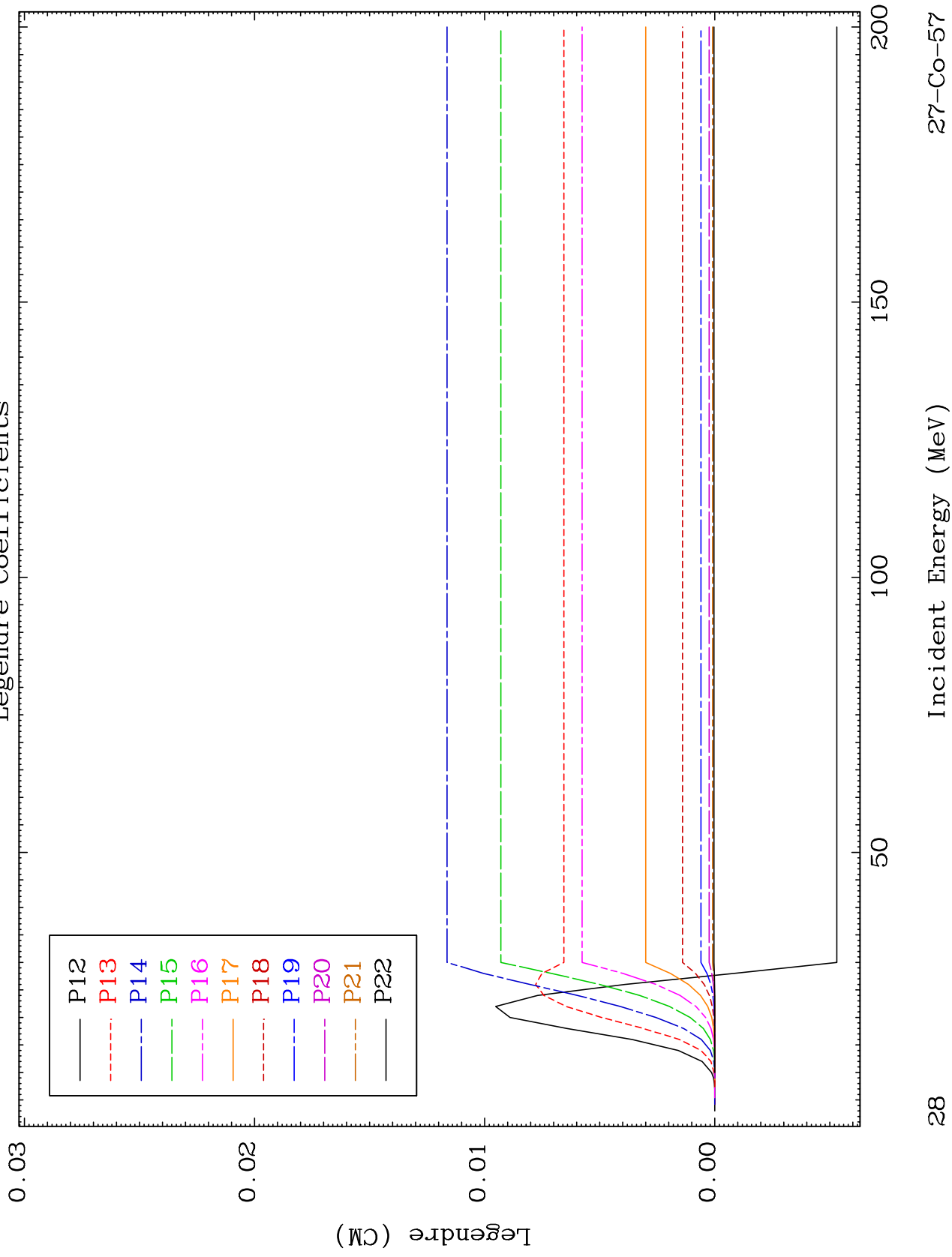
Incident Energy (MeV)

27

MAT 2719

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

27-Co-57



28

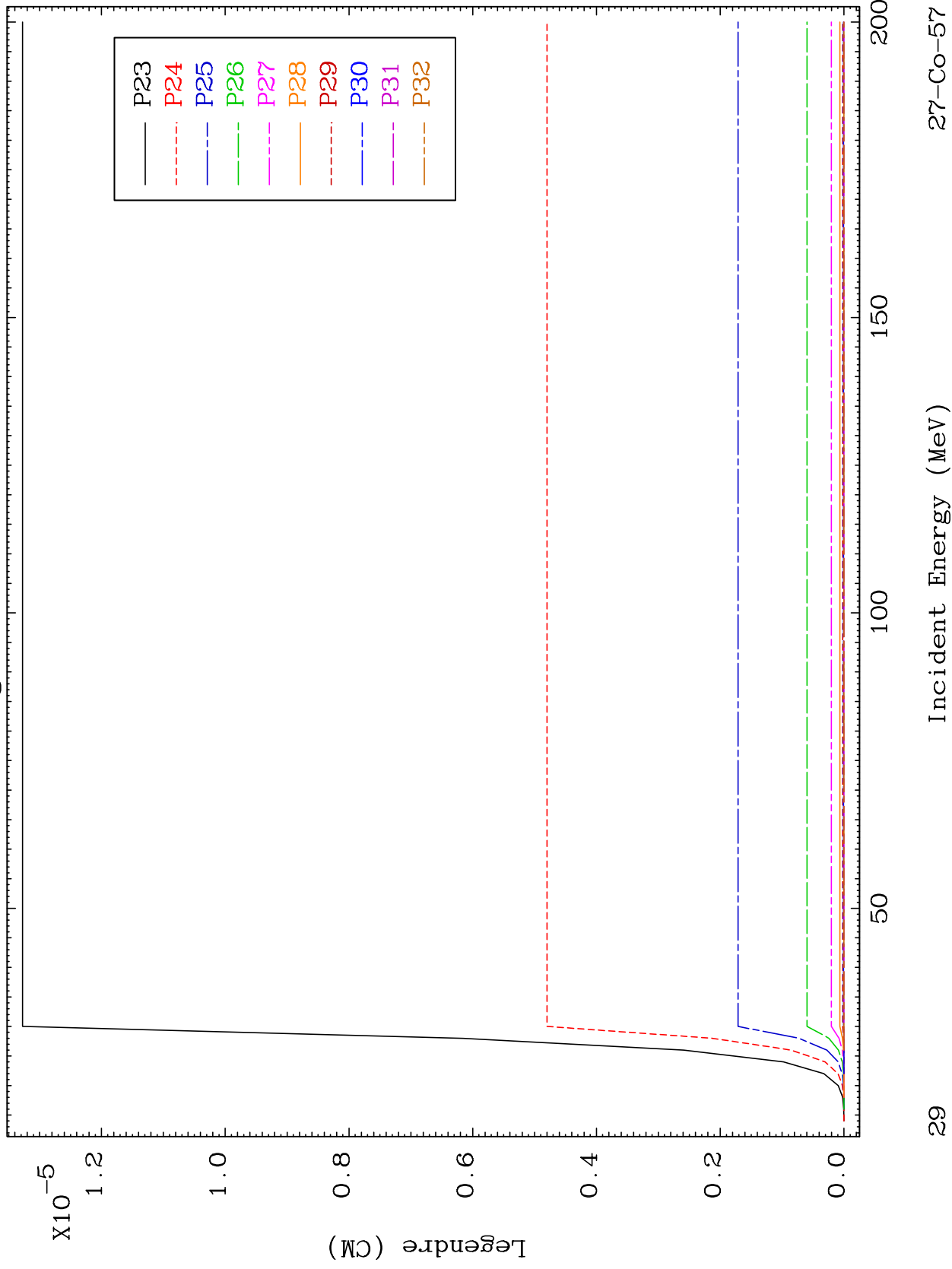
Incident Energy (MeV)

27-Co-57

MAT 2719

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

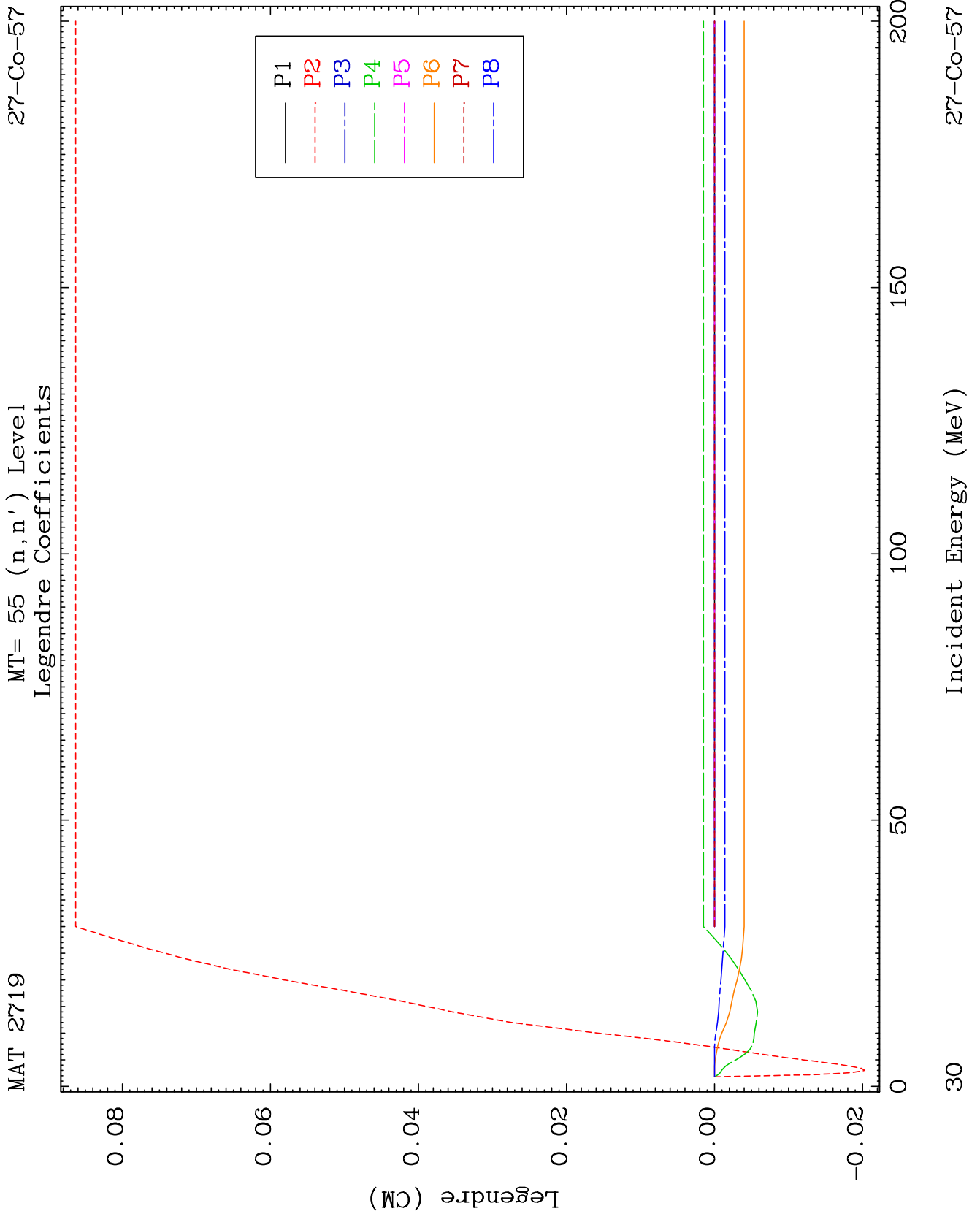
27-Co-57



29

Incident Energy (MeV)

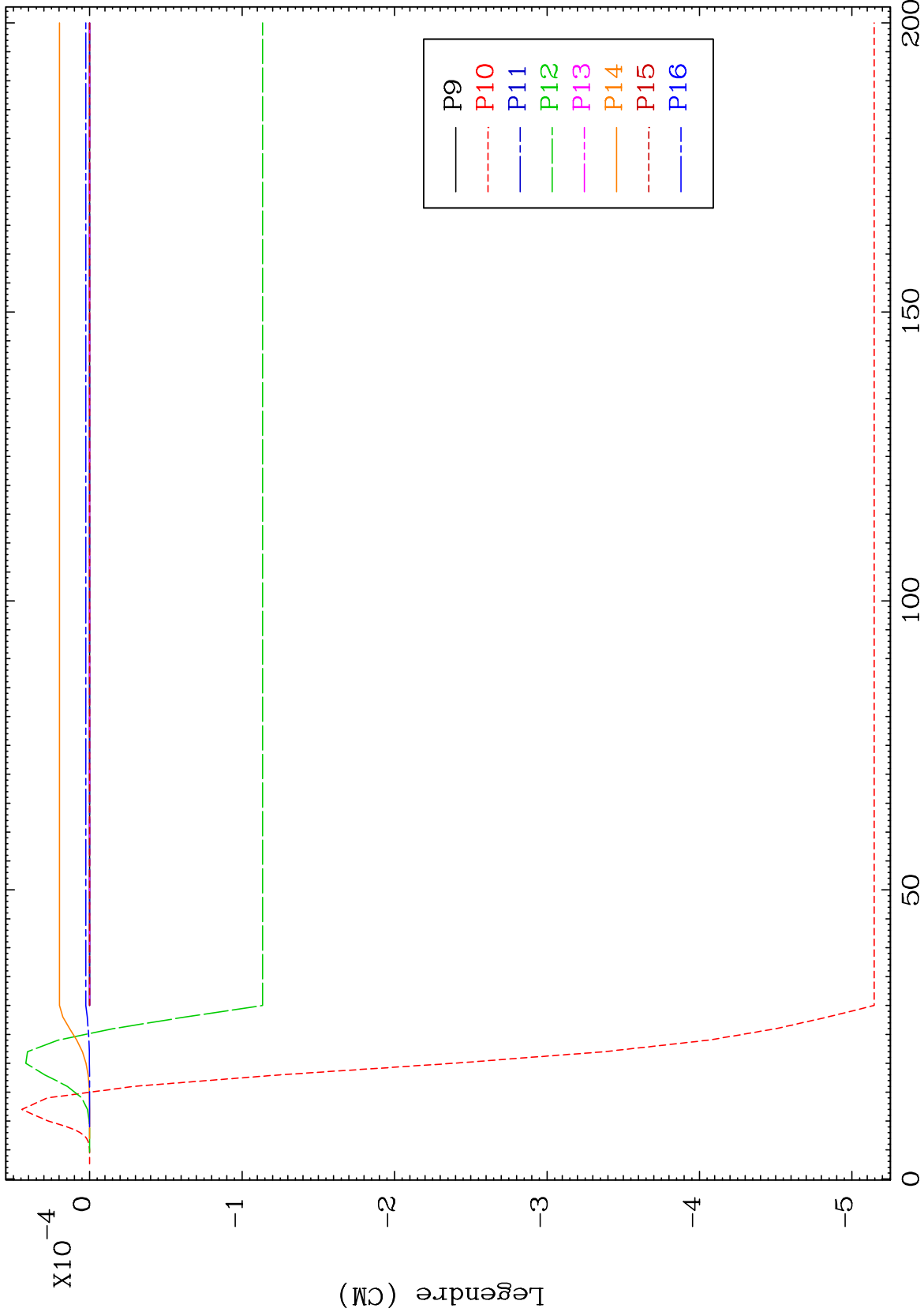
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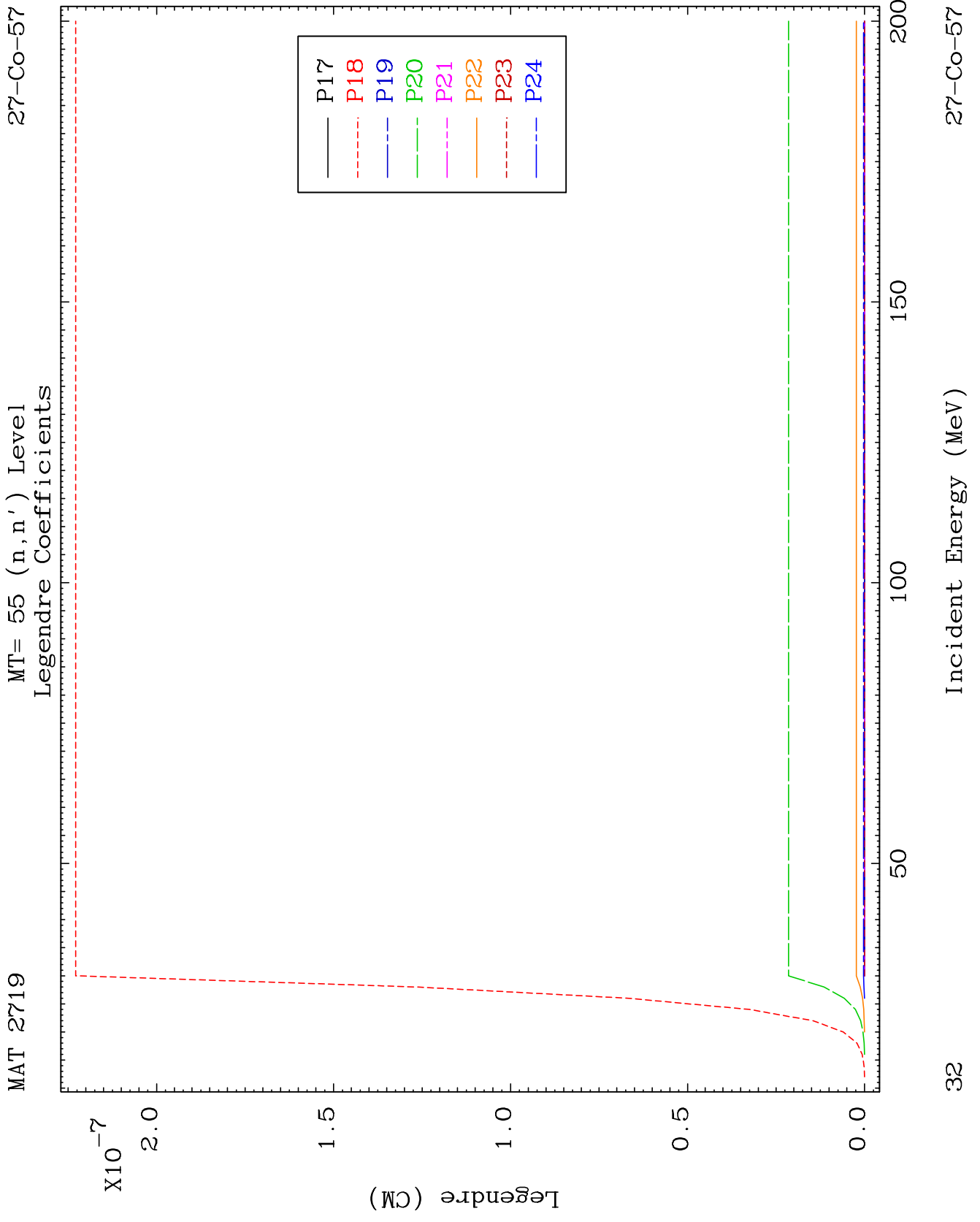


MAT 2719

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

27-Co-57

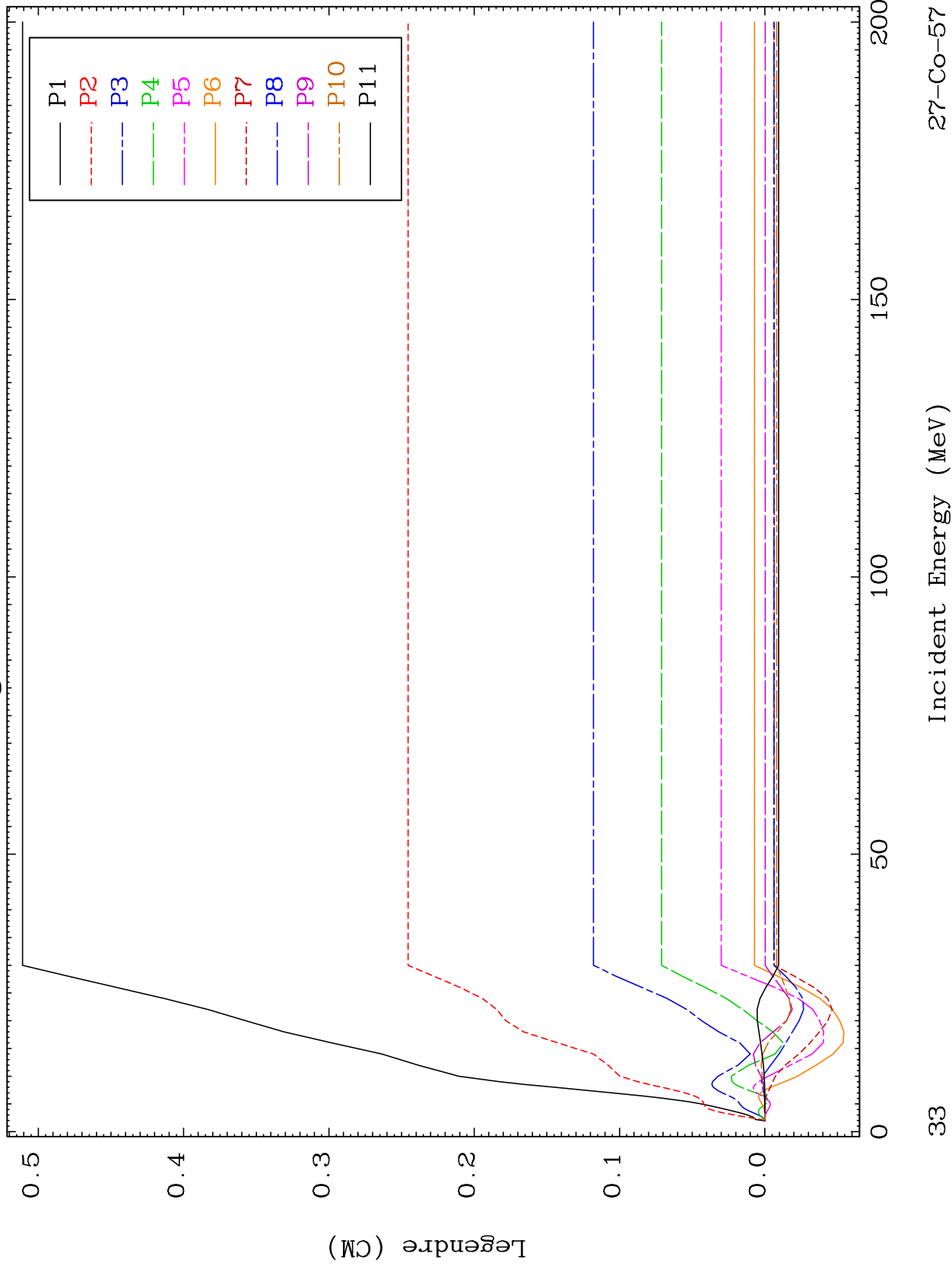




MAT 2719

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

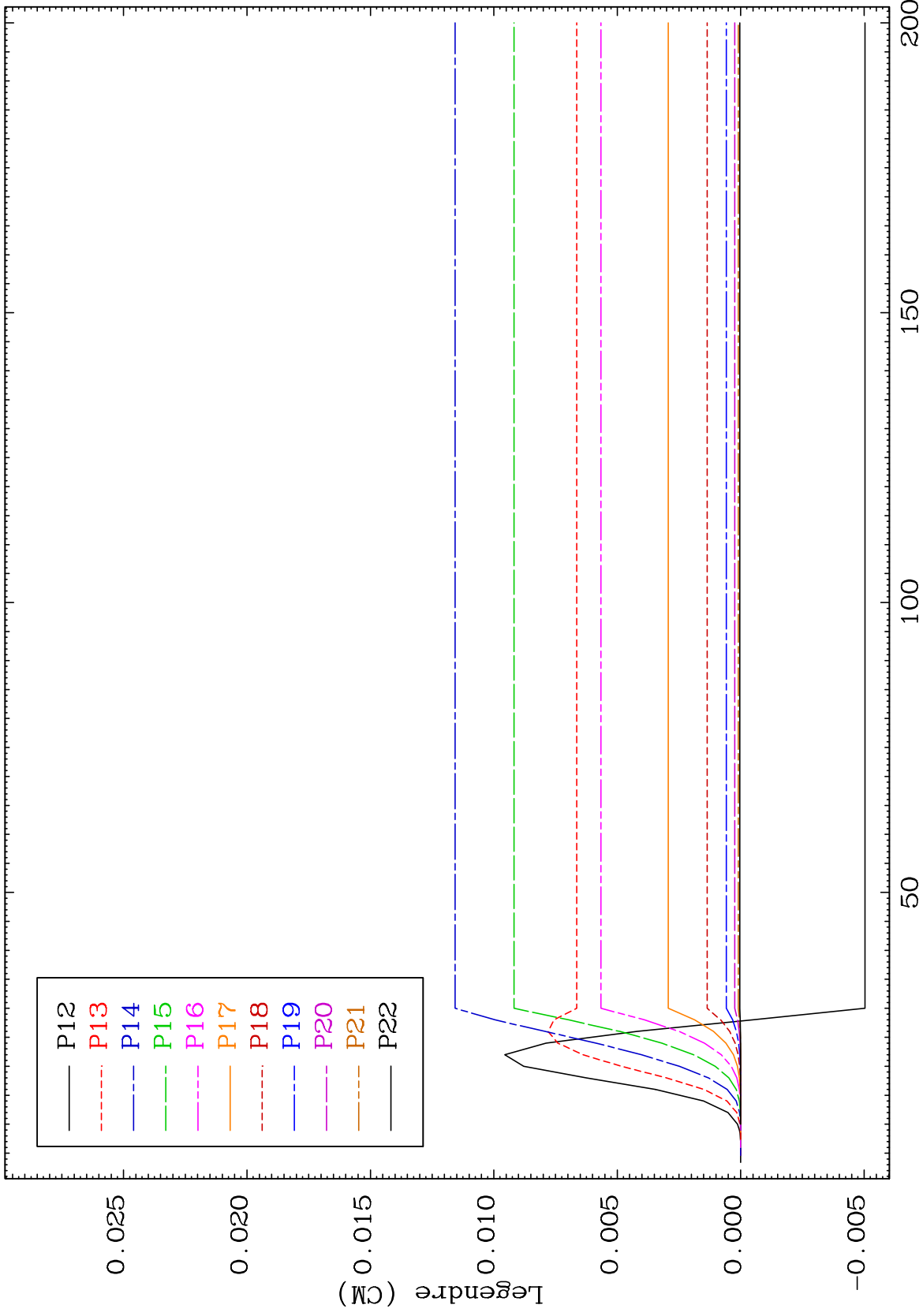
27-Co-57



27-Co-57

Incident Energy (MeV)

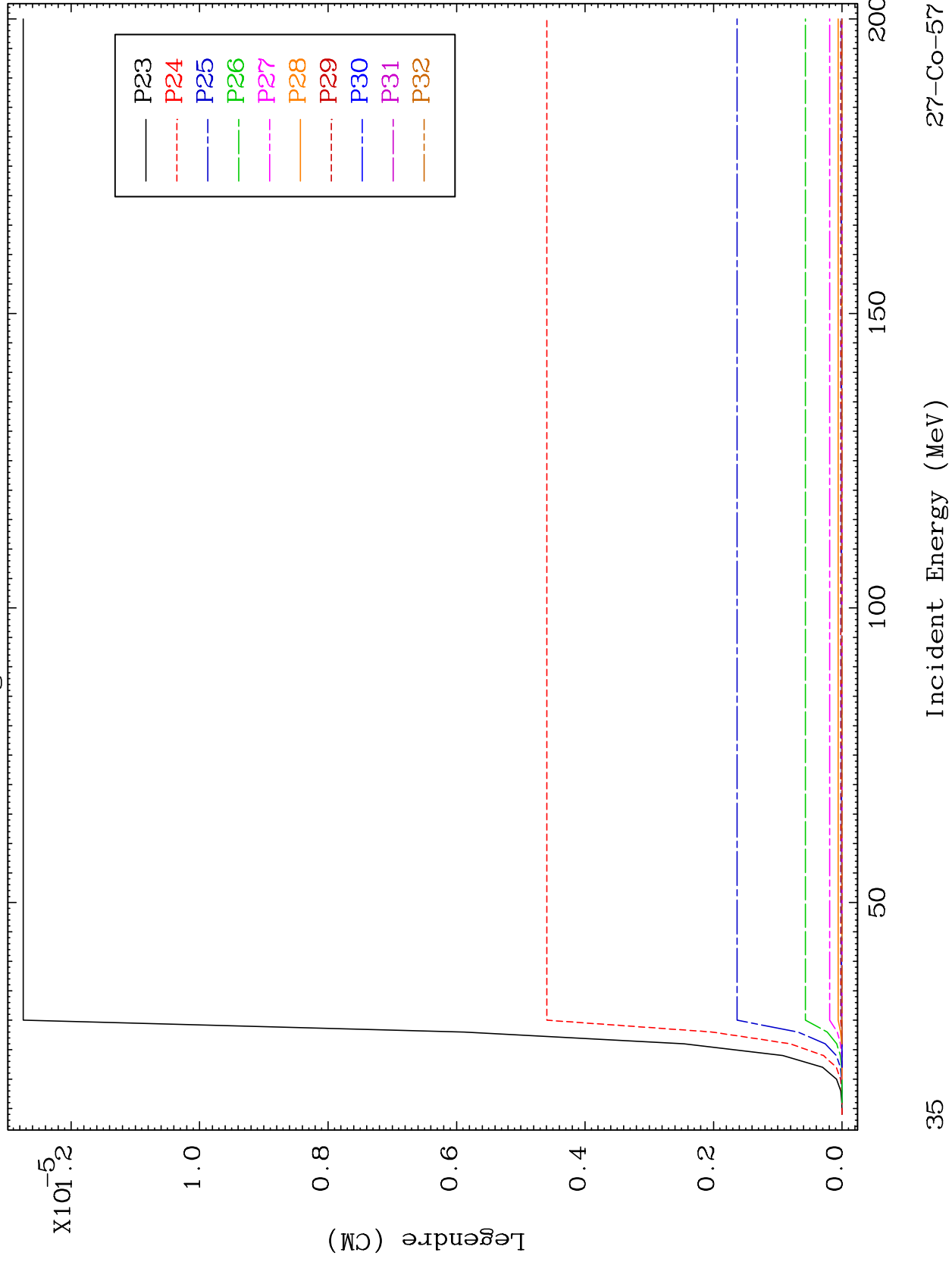
33



MAT 2719

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

27-Co-57



27-Co-57

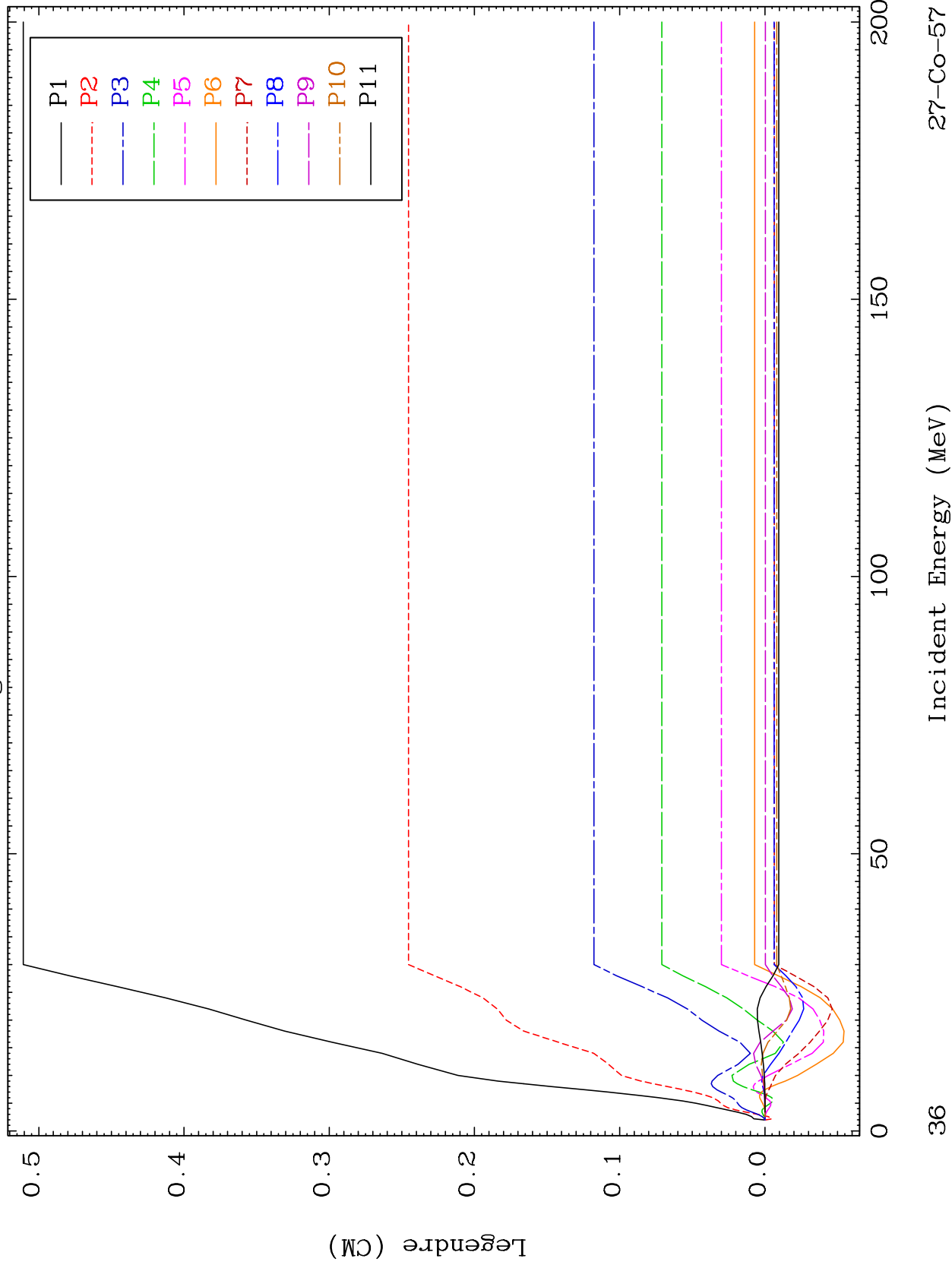
Incident Energy (MeV)

35

MAT 2719

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

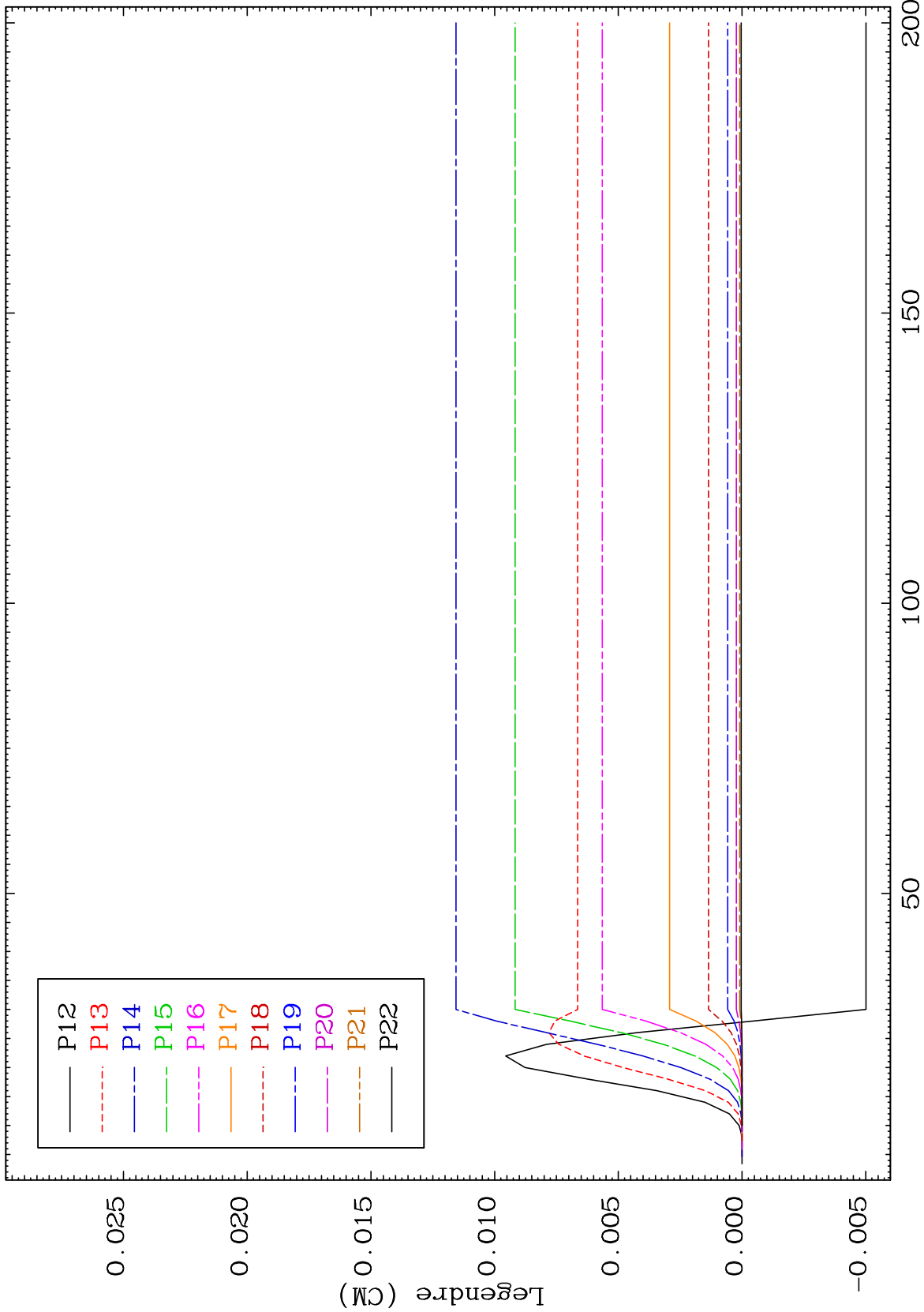
27-Co-57



36

Incident Energy (MeV)

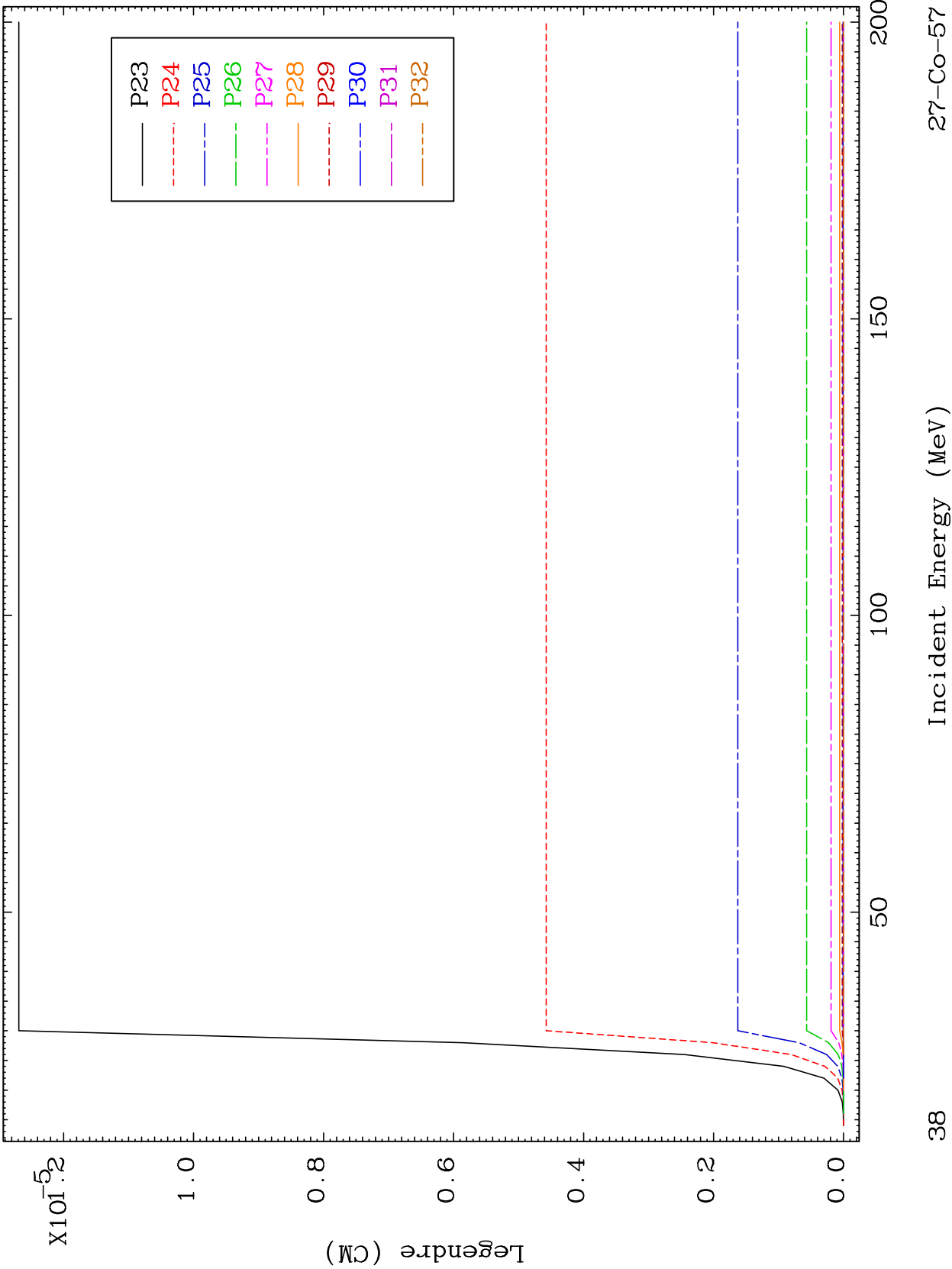
27-Co-57



MAT 2719

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

27-Co-57



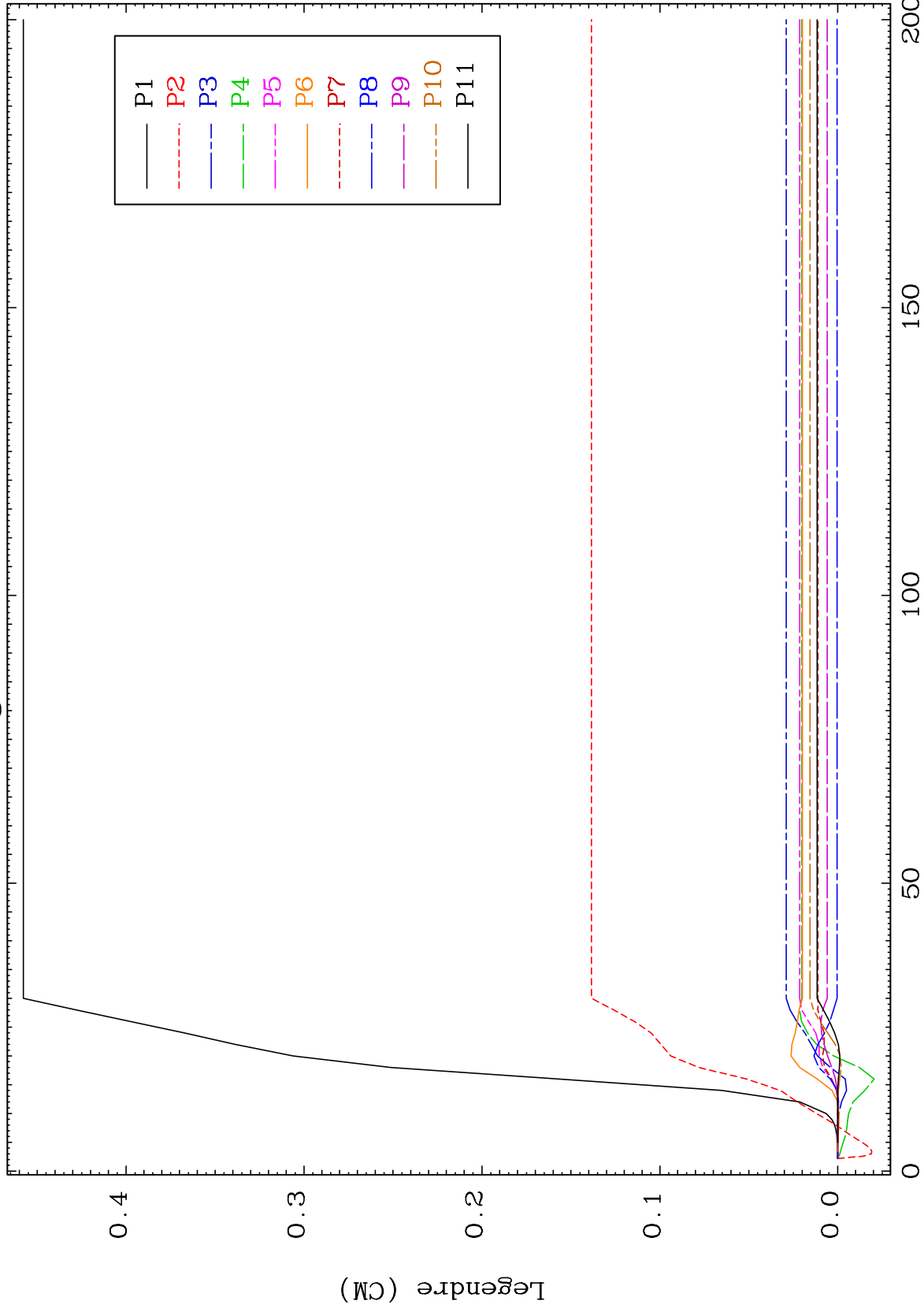
38

27-Co-57

MAT 2719

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

27-Co-57



39

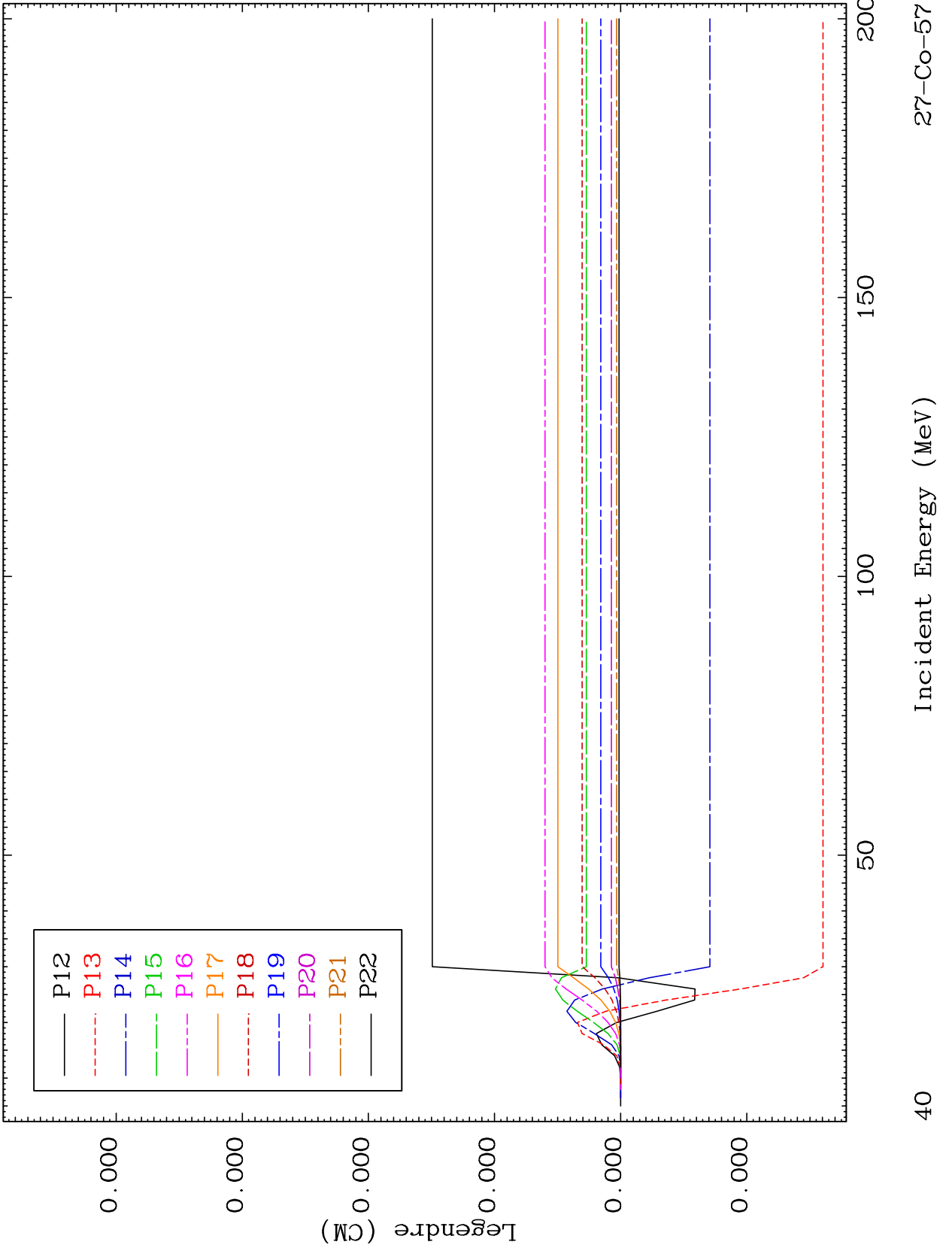
Incident Energy (MeV)

27-Co-57

MAT 2719

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

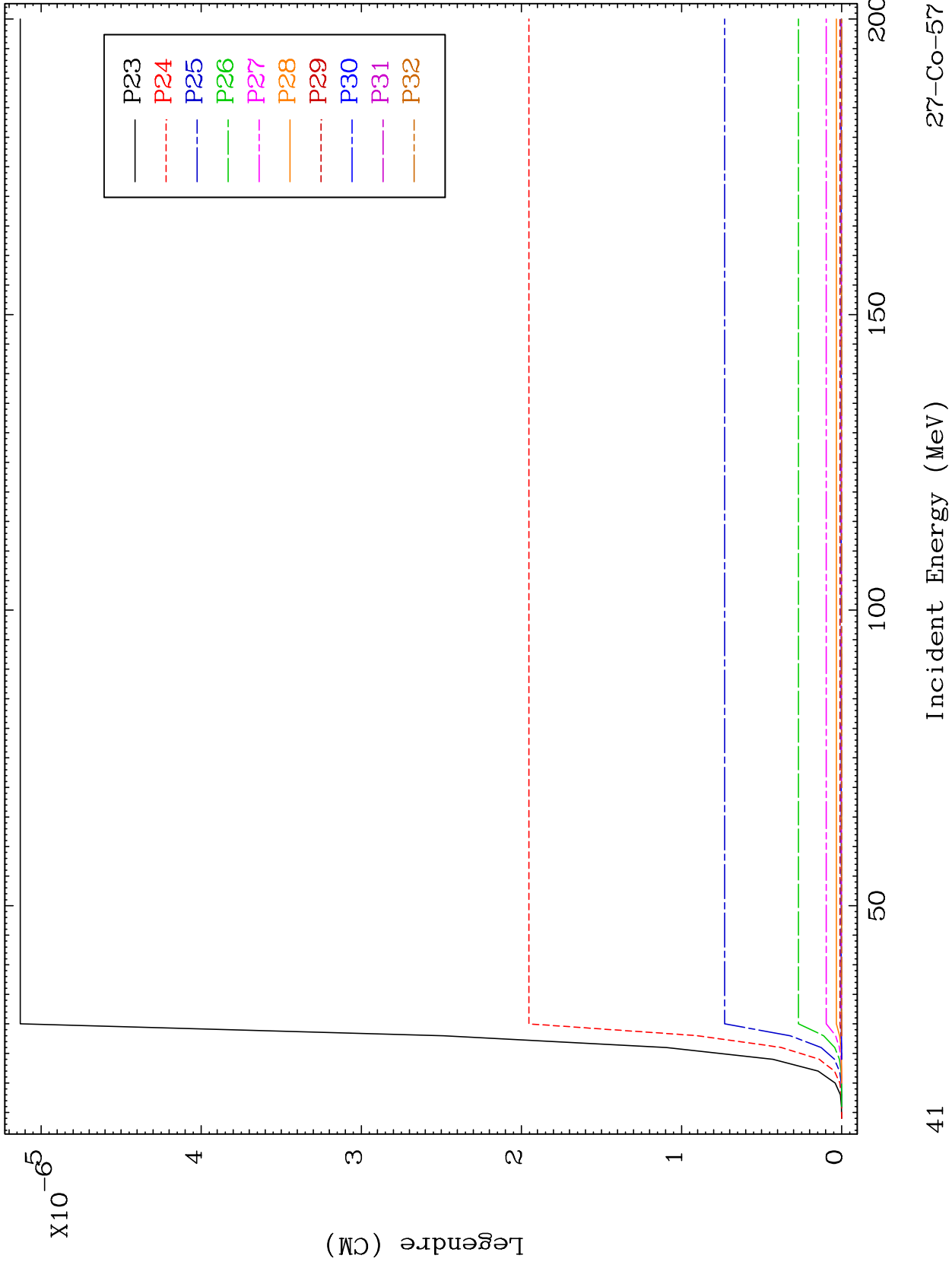
27-Co-57



MAT 2719

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

27-Co-57



41

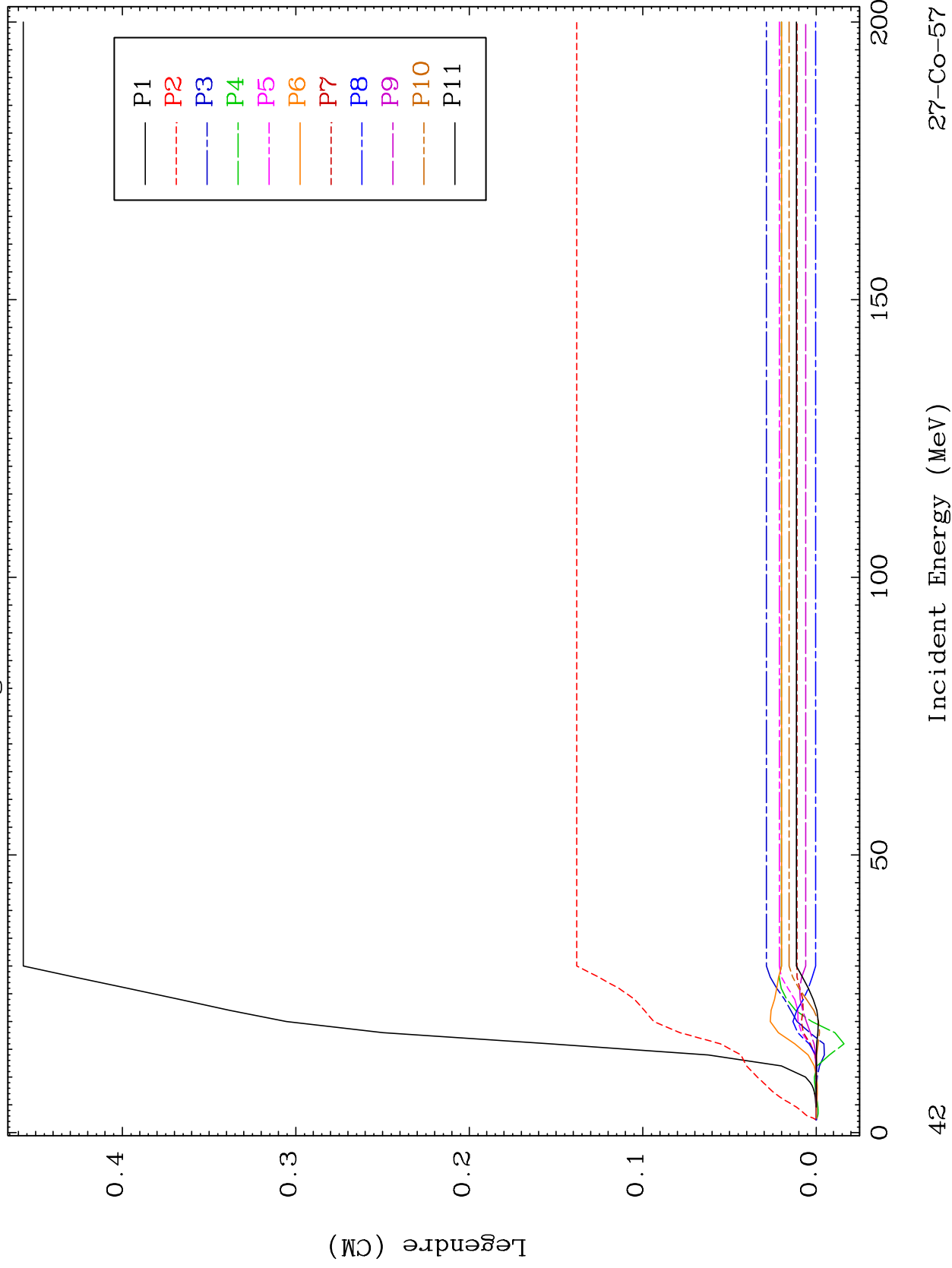
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



27-Co-57

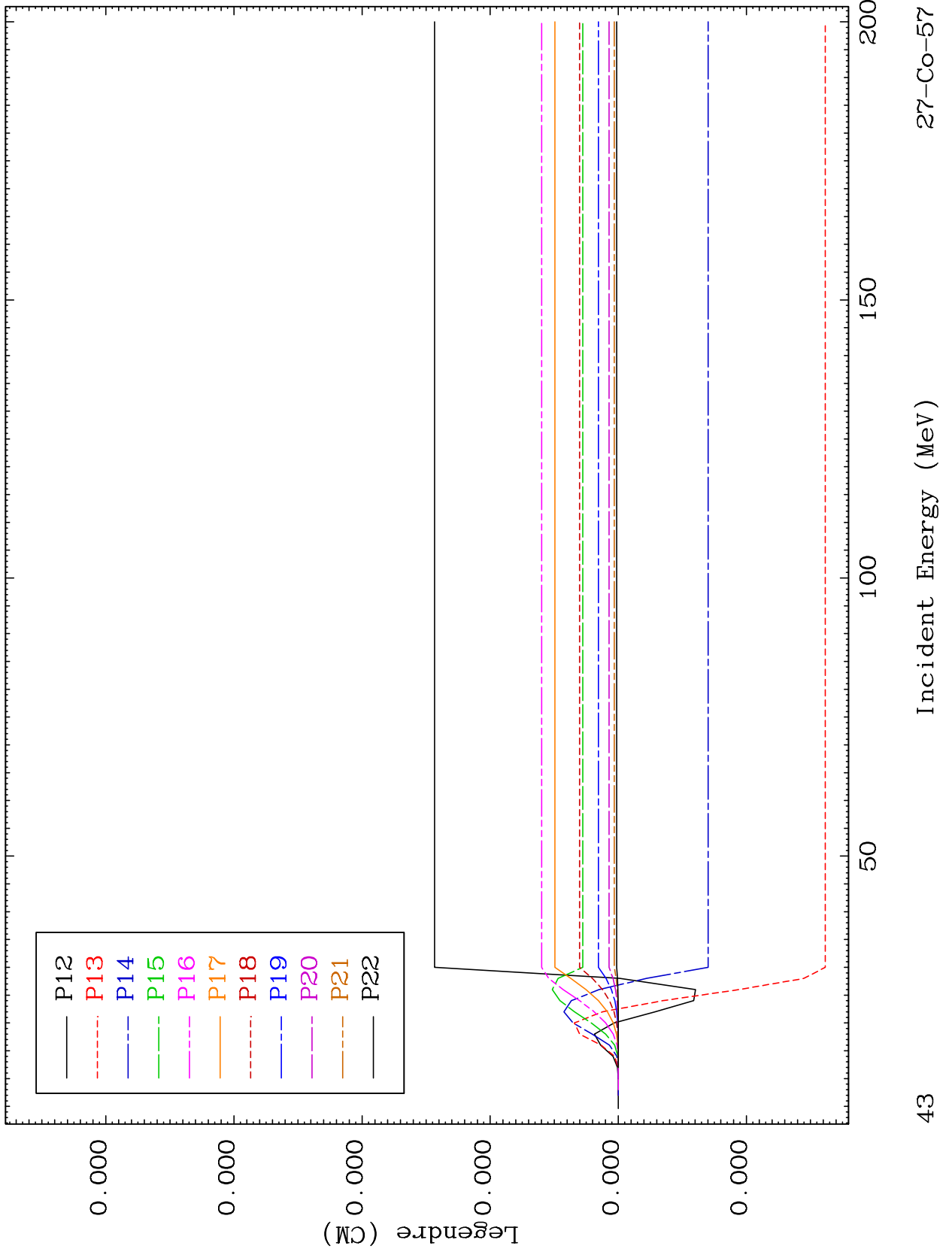
Incident Energy (MeV)

42

MAT 2719

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

27-Co-57



43

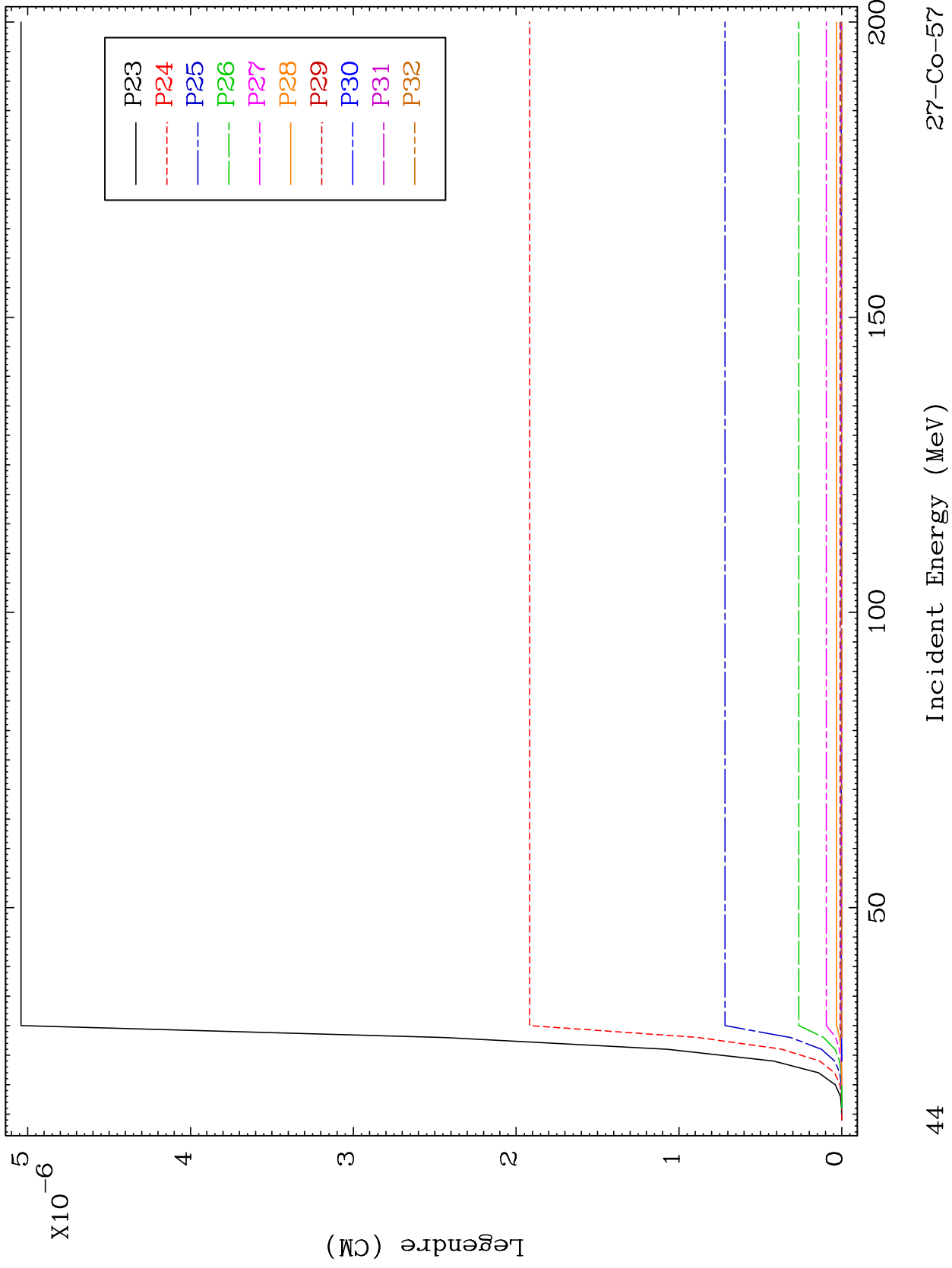
Incident Energy (MeV)

27-Co-57

MAT 2719

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

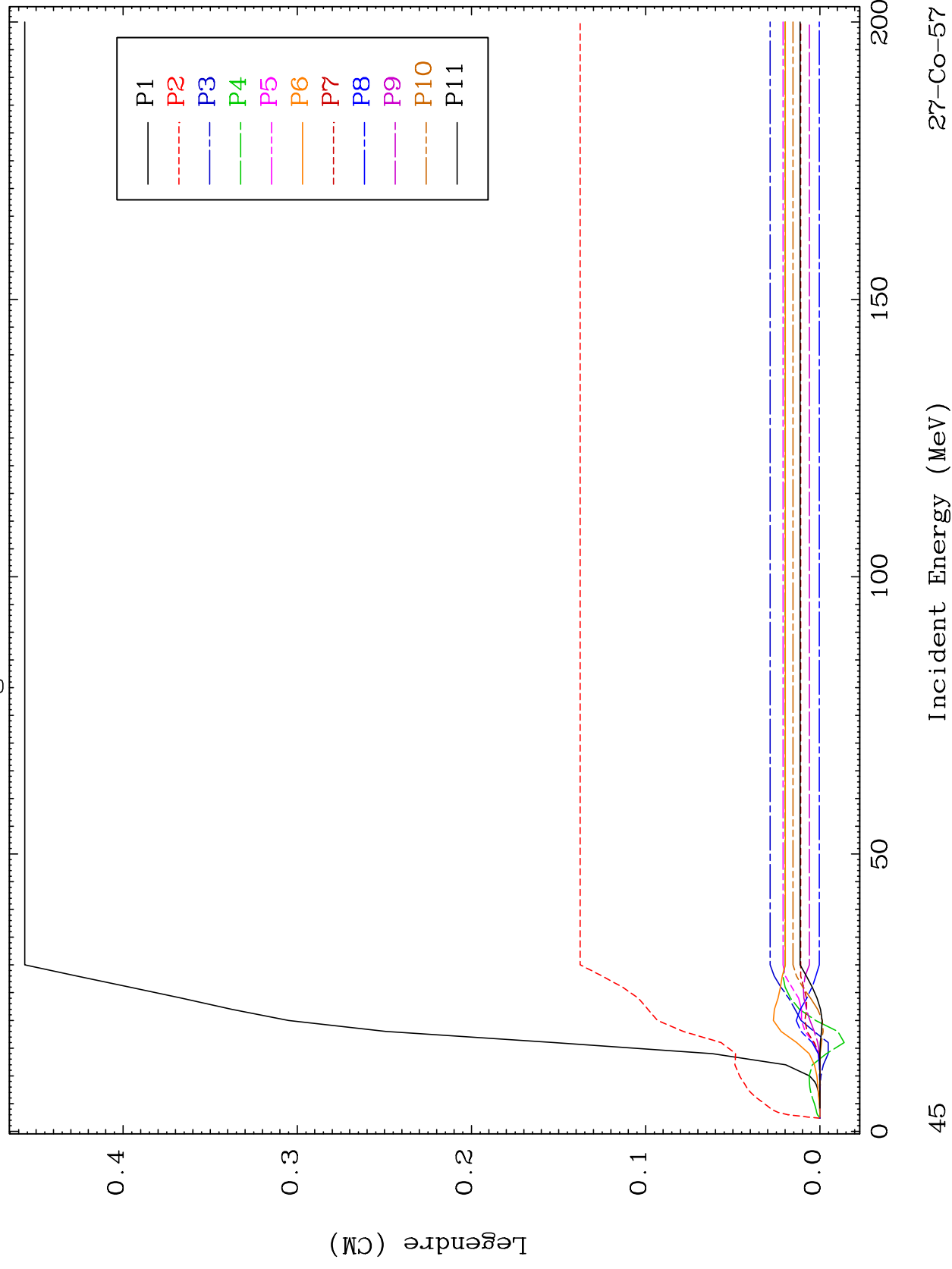
27-Co-57



MAT 2719

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

27-Co-57



27-Co-57

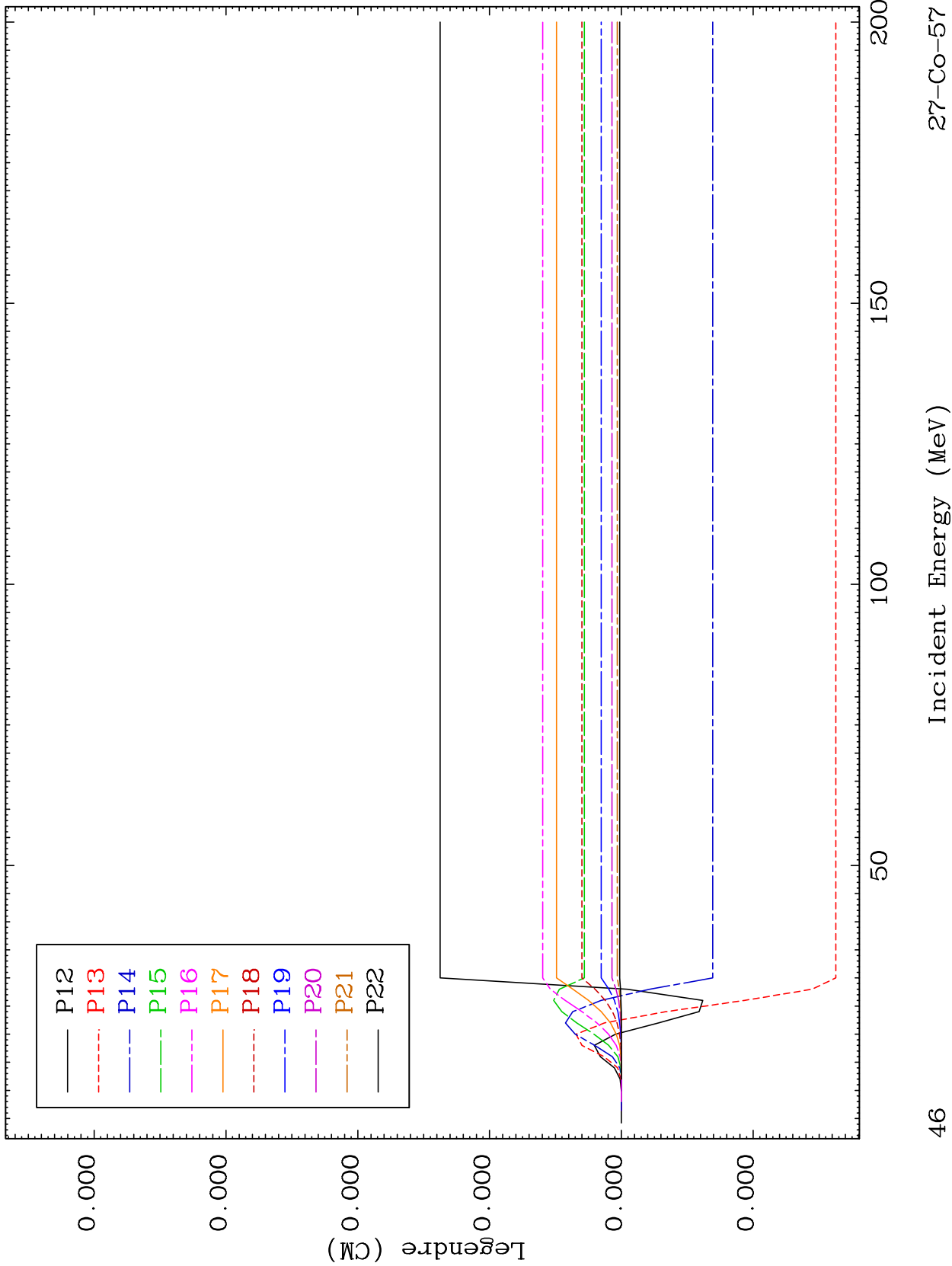
Incident Energy (MeV)

45

MAT 2719

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

27-Co-57



46

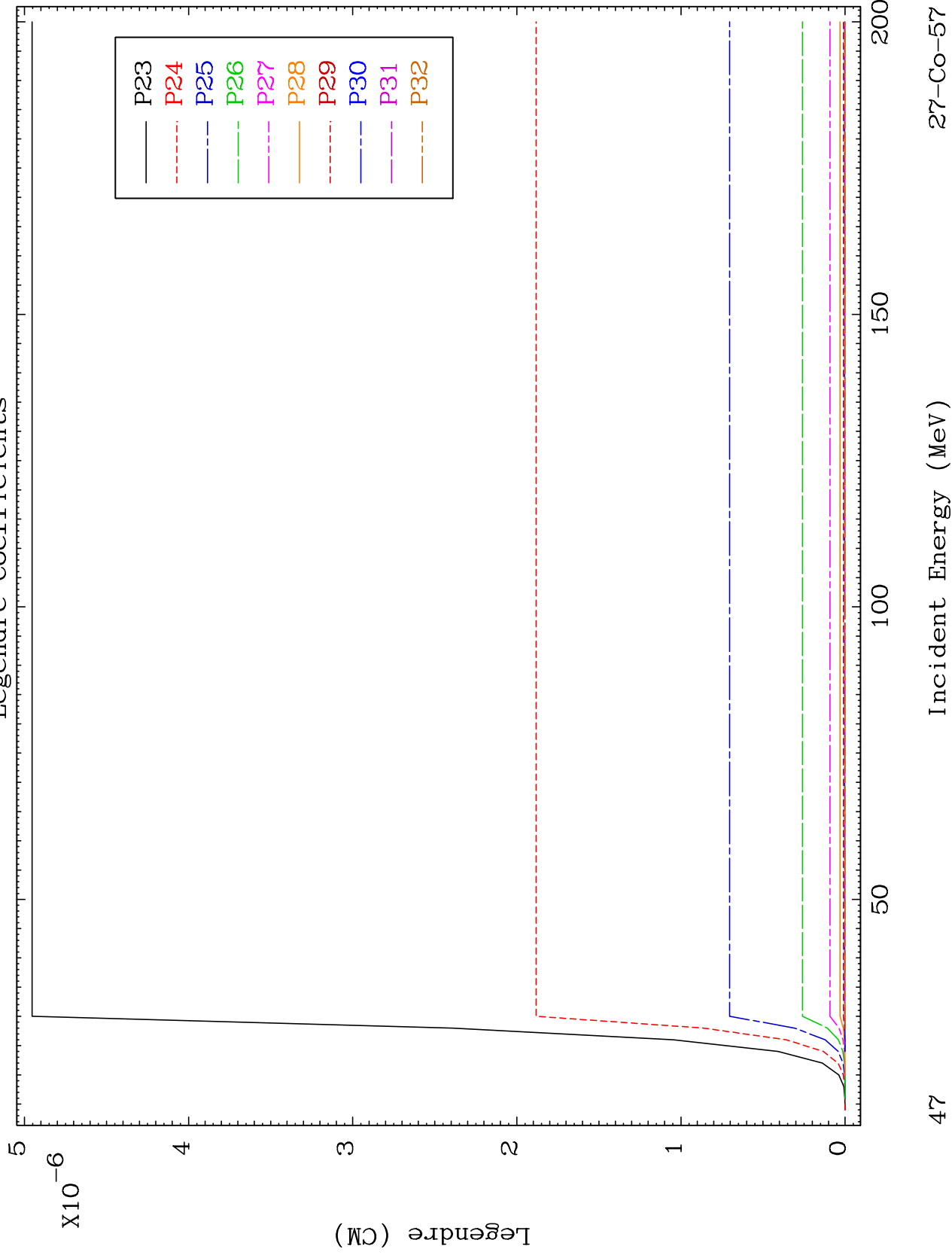
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



47

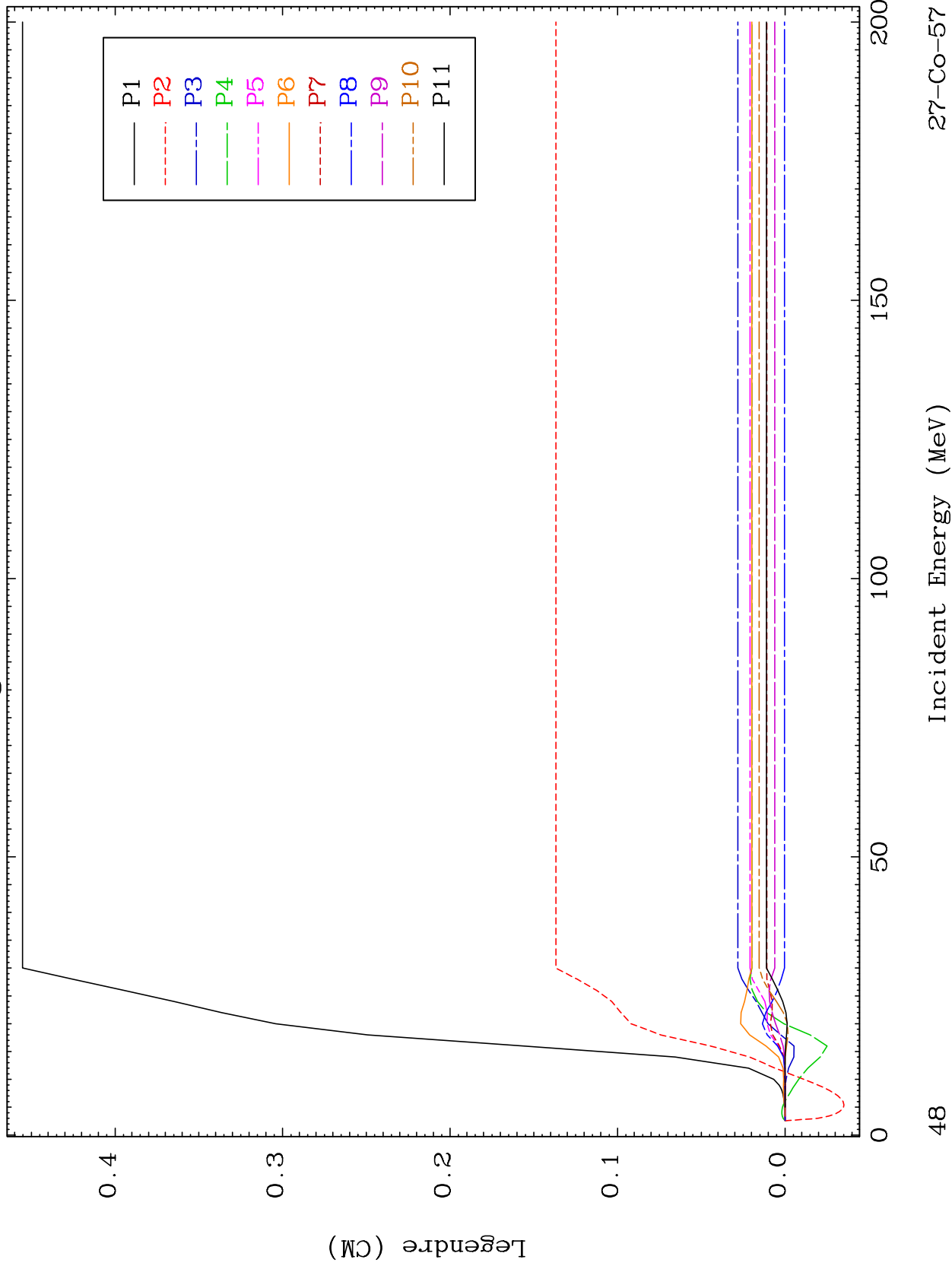
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



27-Co-57

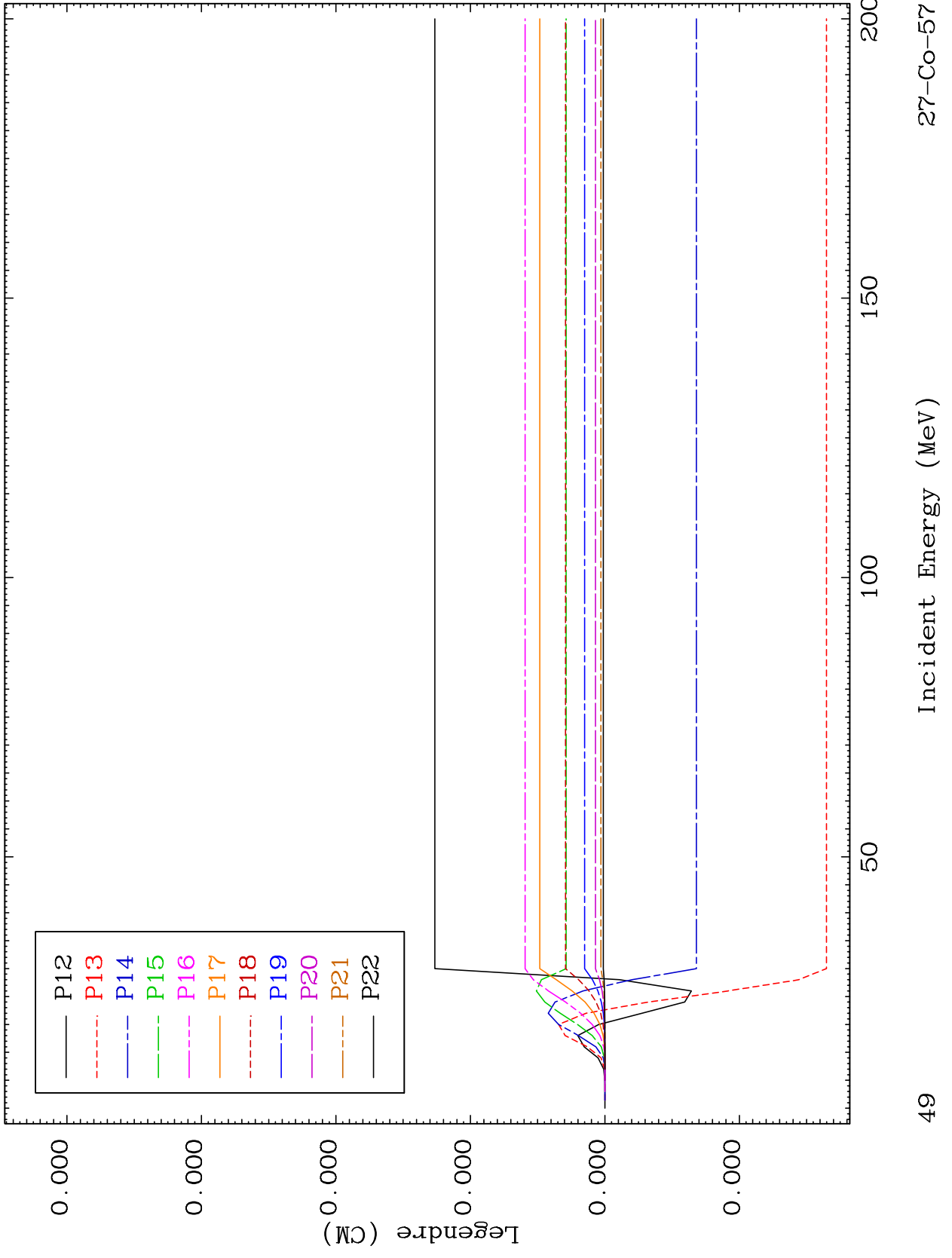
Incident Energy (MeV)

48

MAT 2719

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

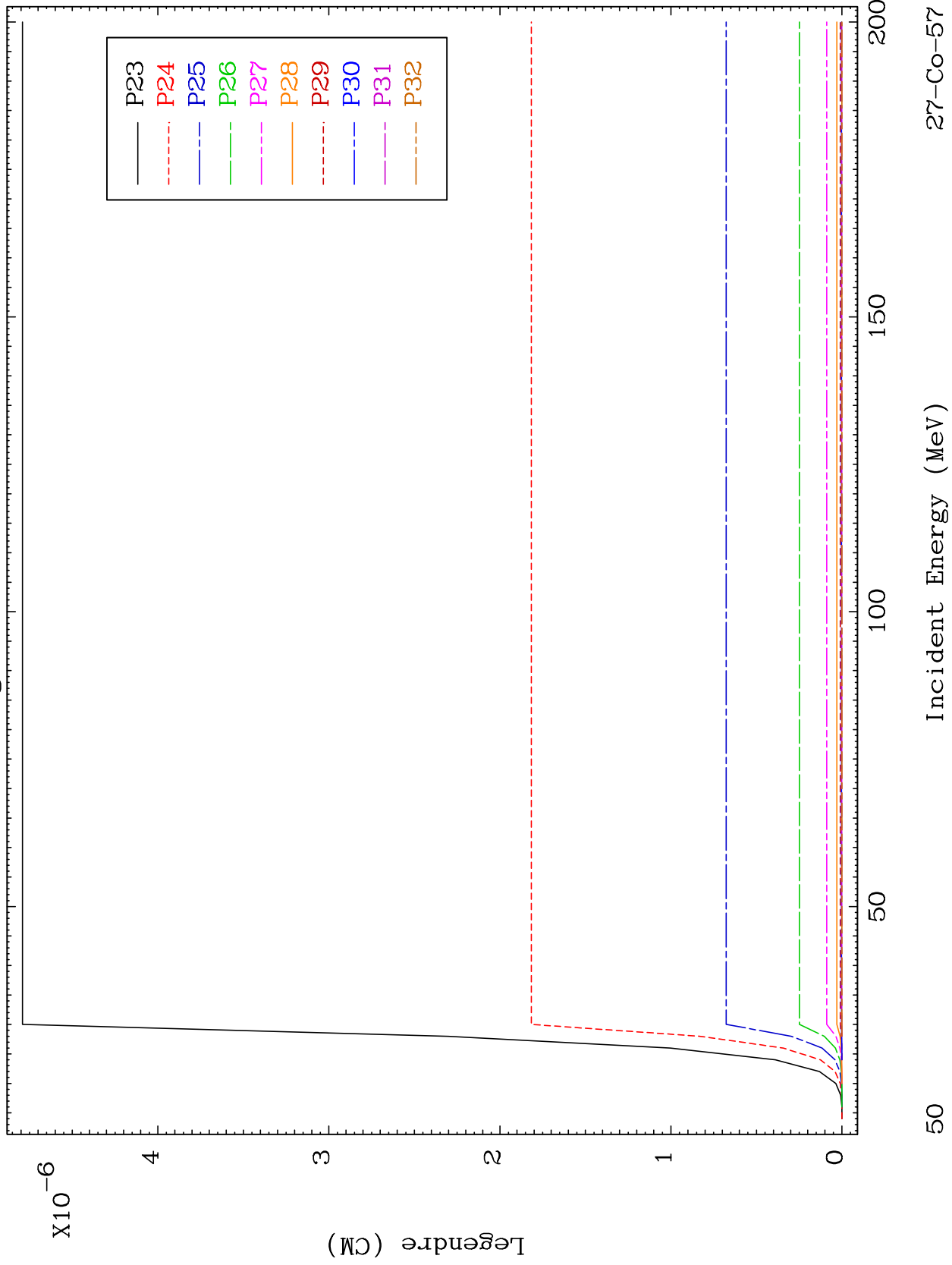
27-Co-57



MAT 2719

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

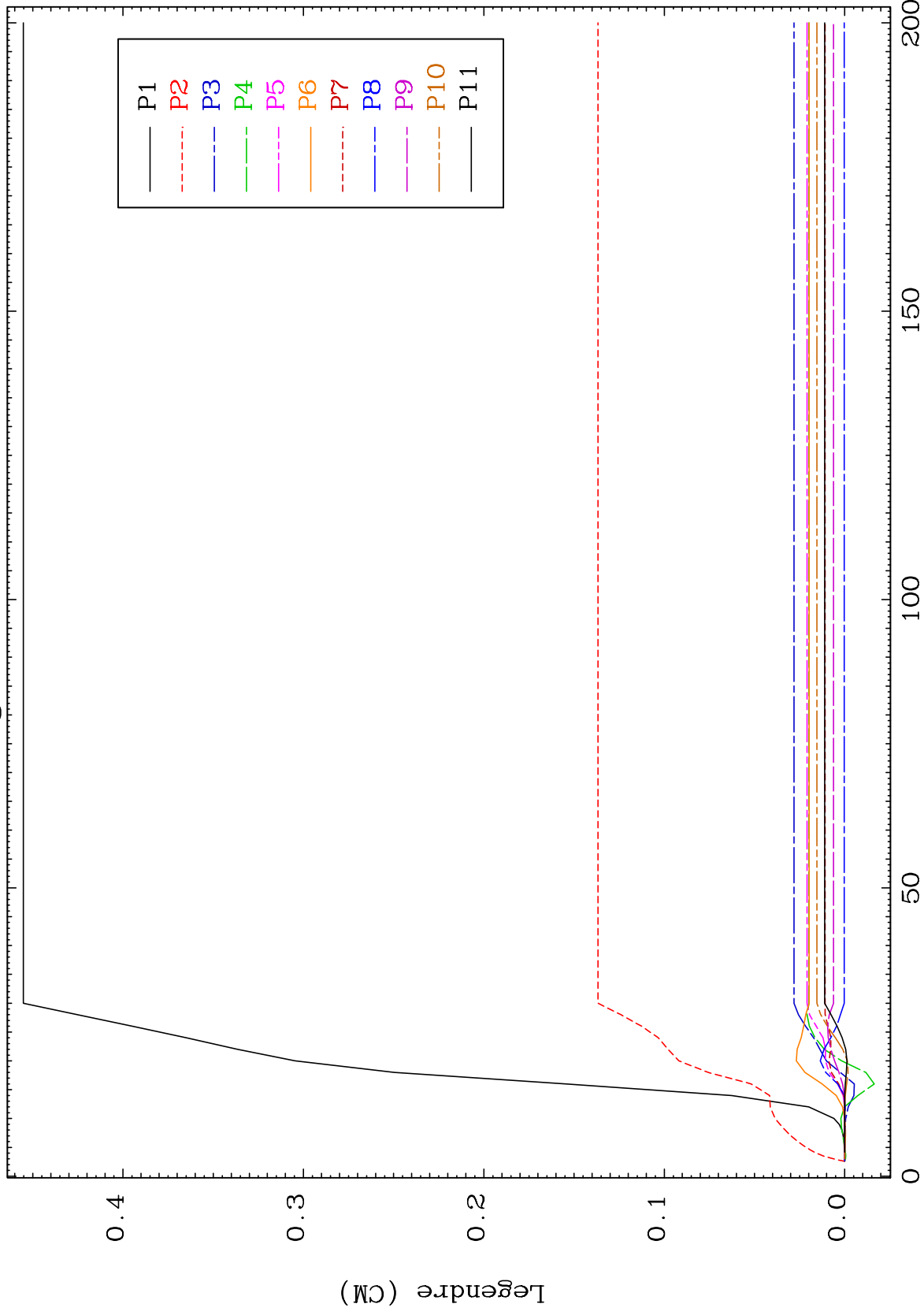
27-Co-57



MAT 2719

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

27-Co-57



51

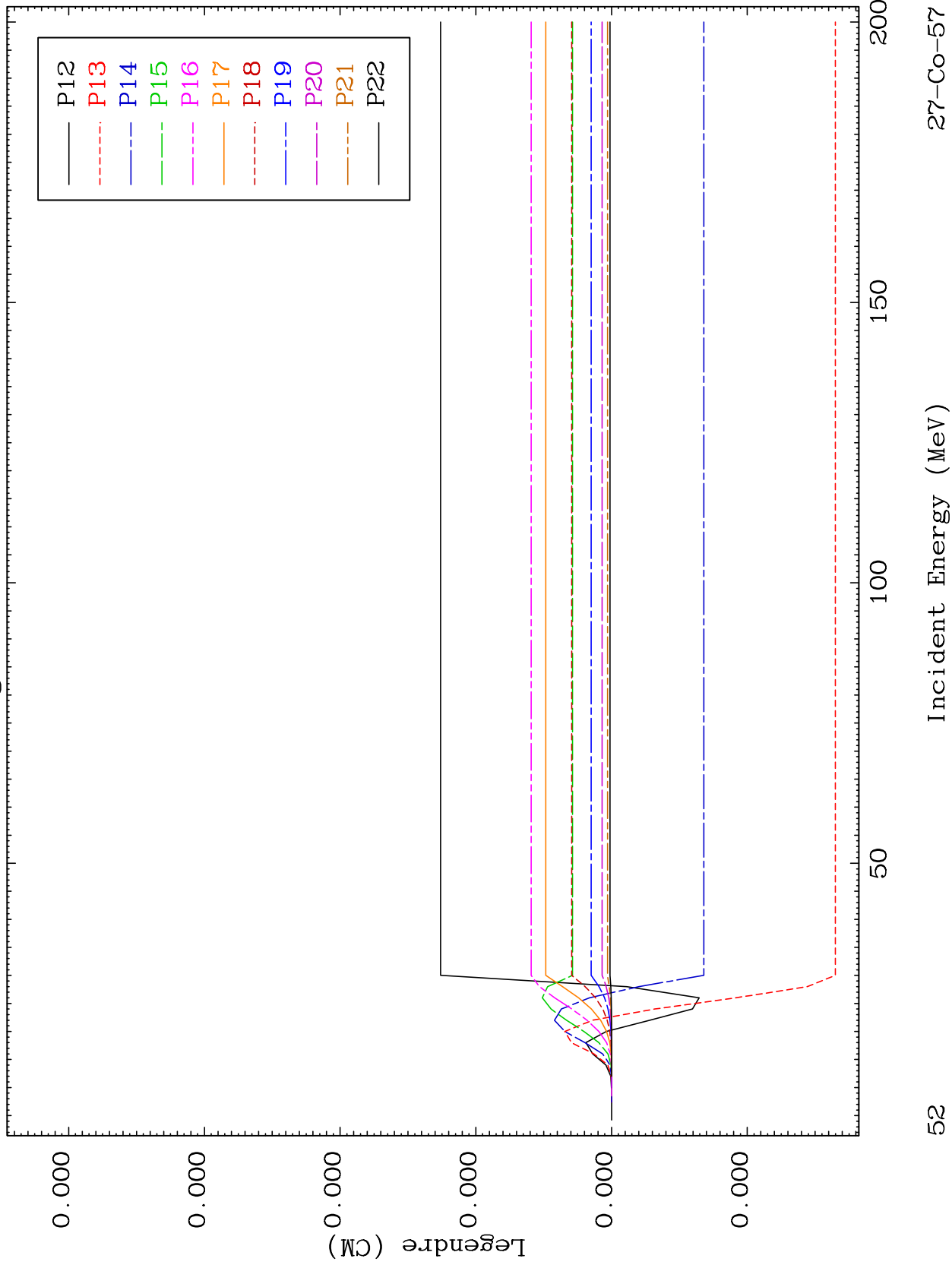
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



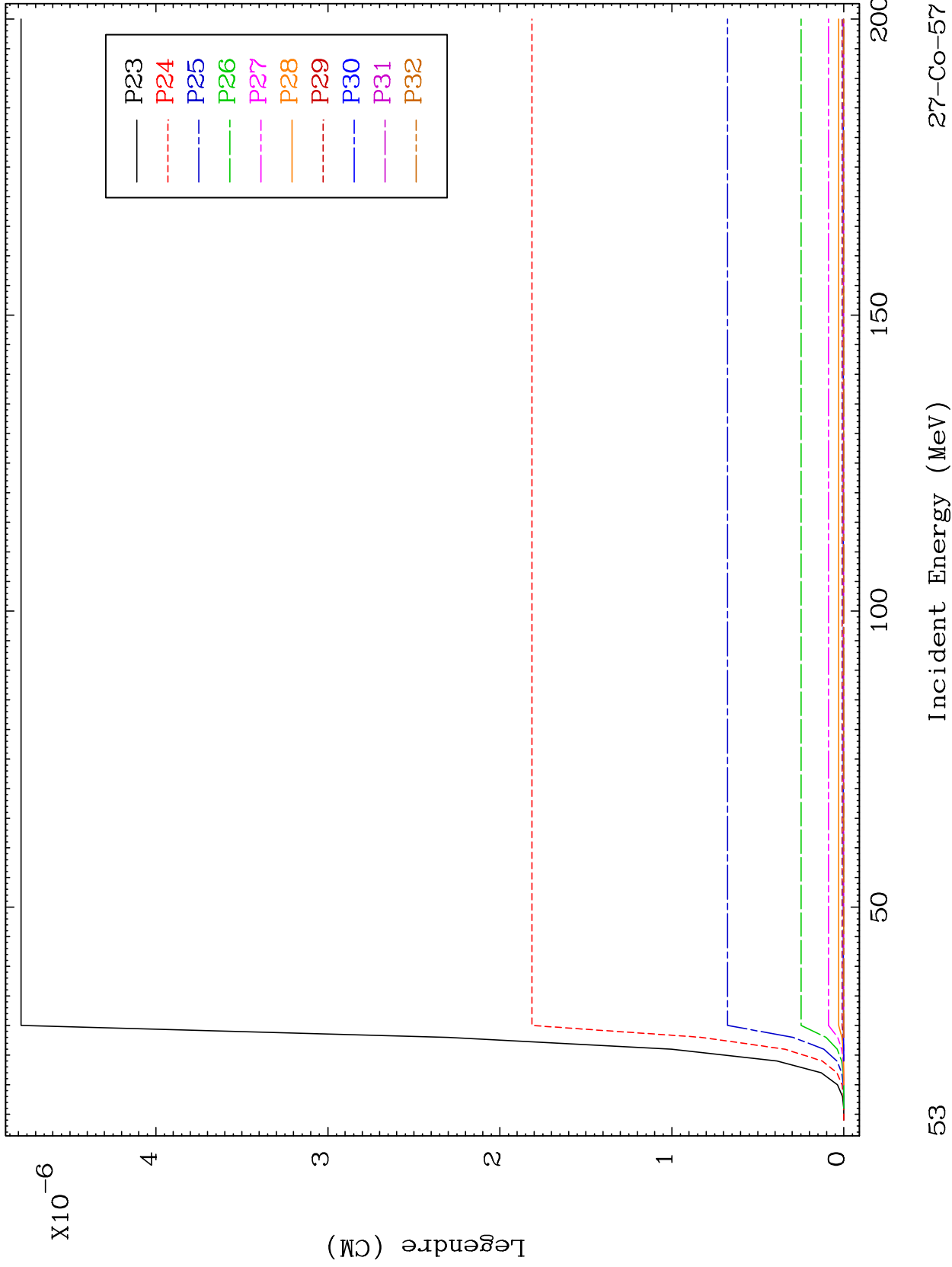
52

27-Co-57

MAT 2719

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

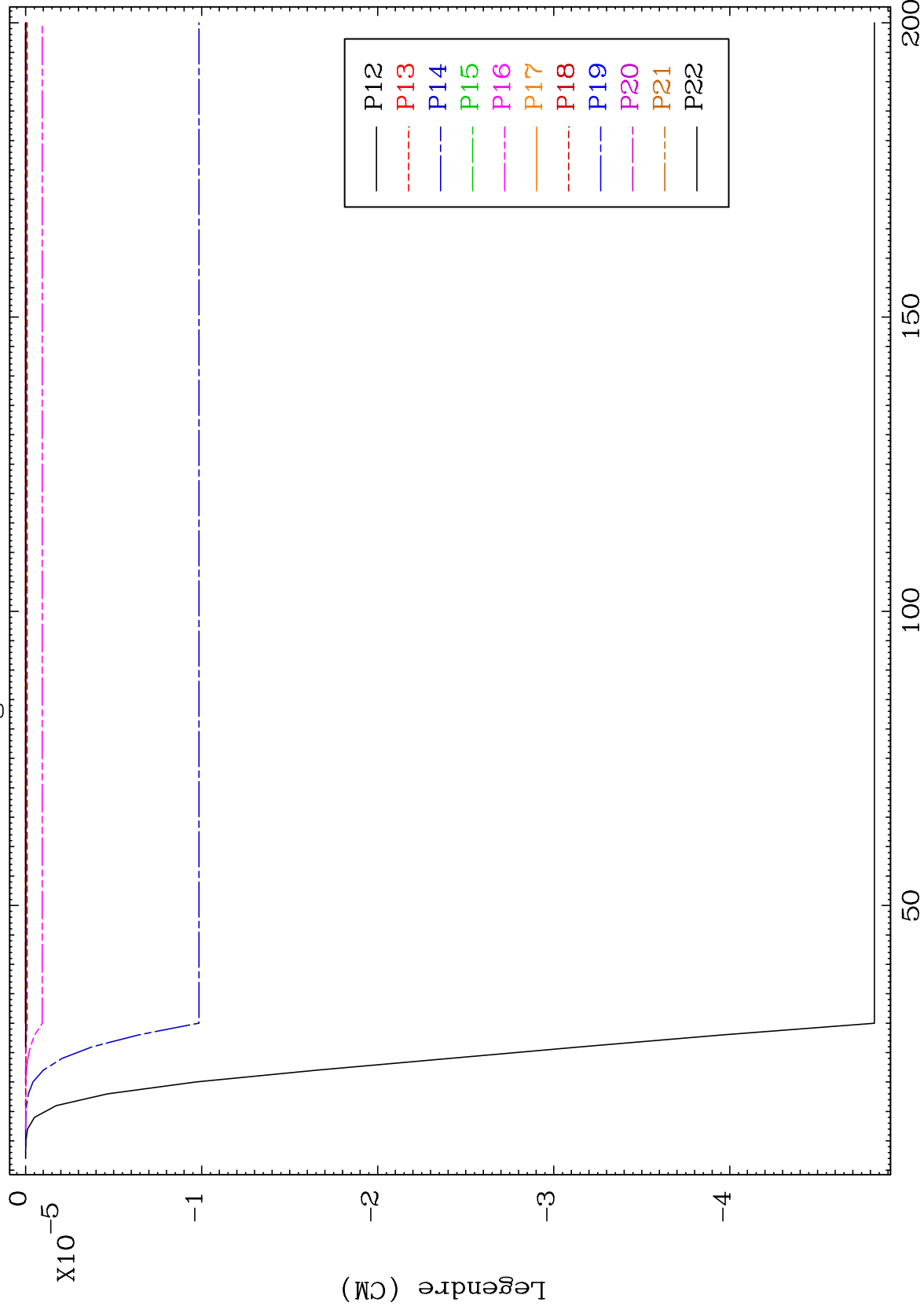
27-Co-57



MAT 2719

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

27-Co-57



55

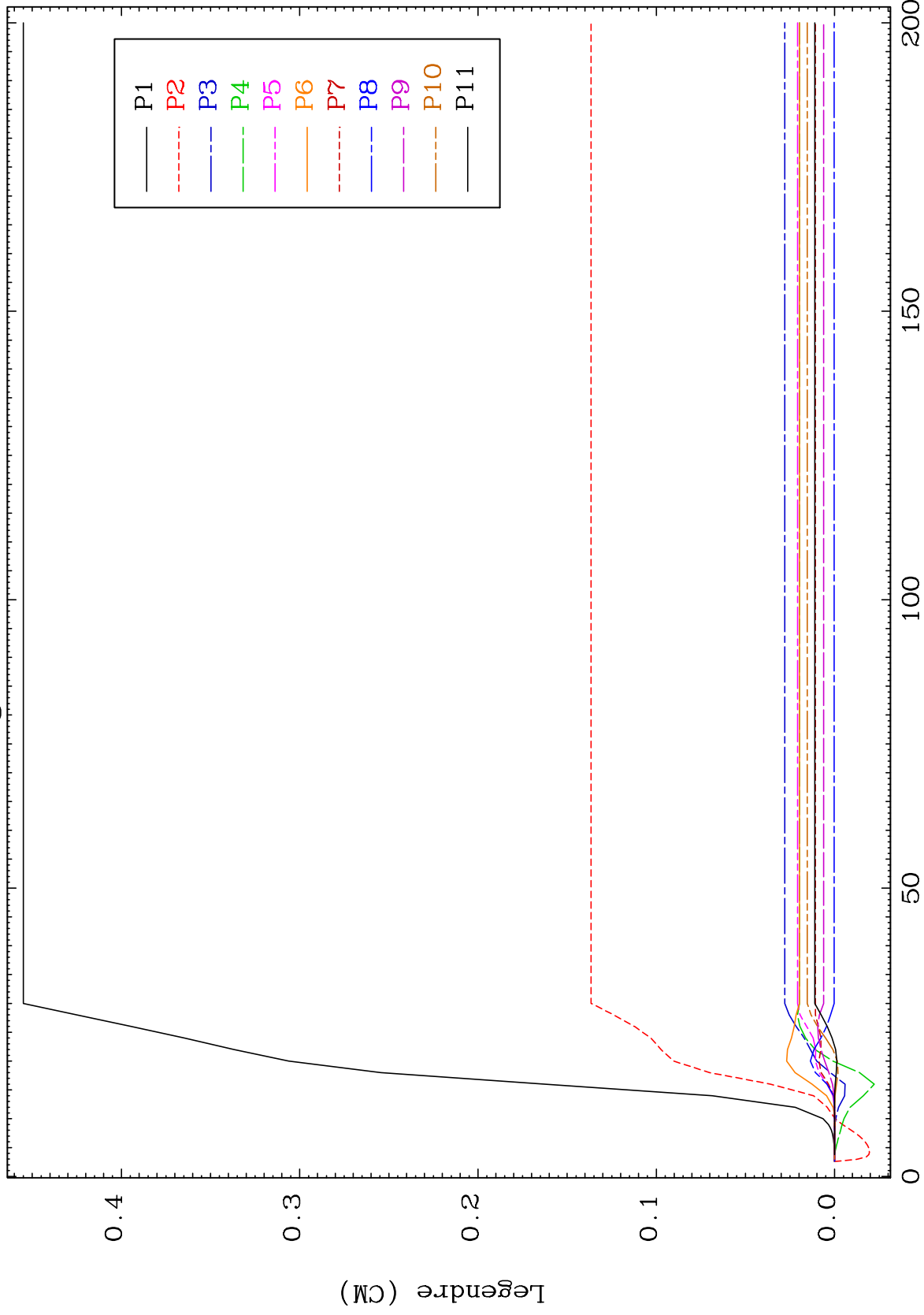
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



56

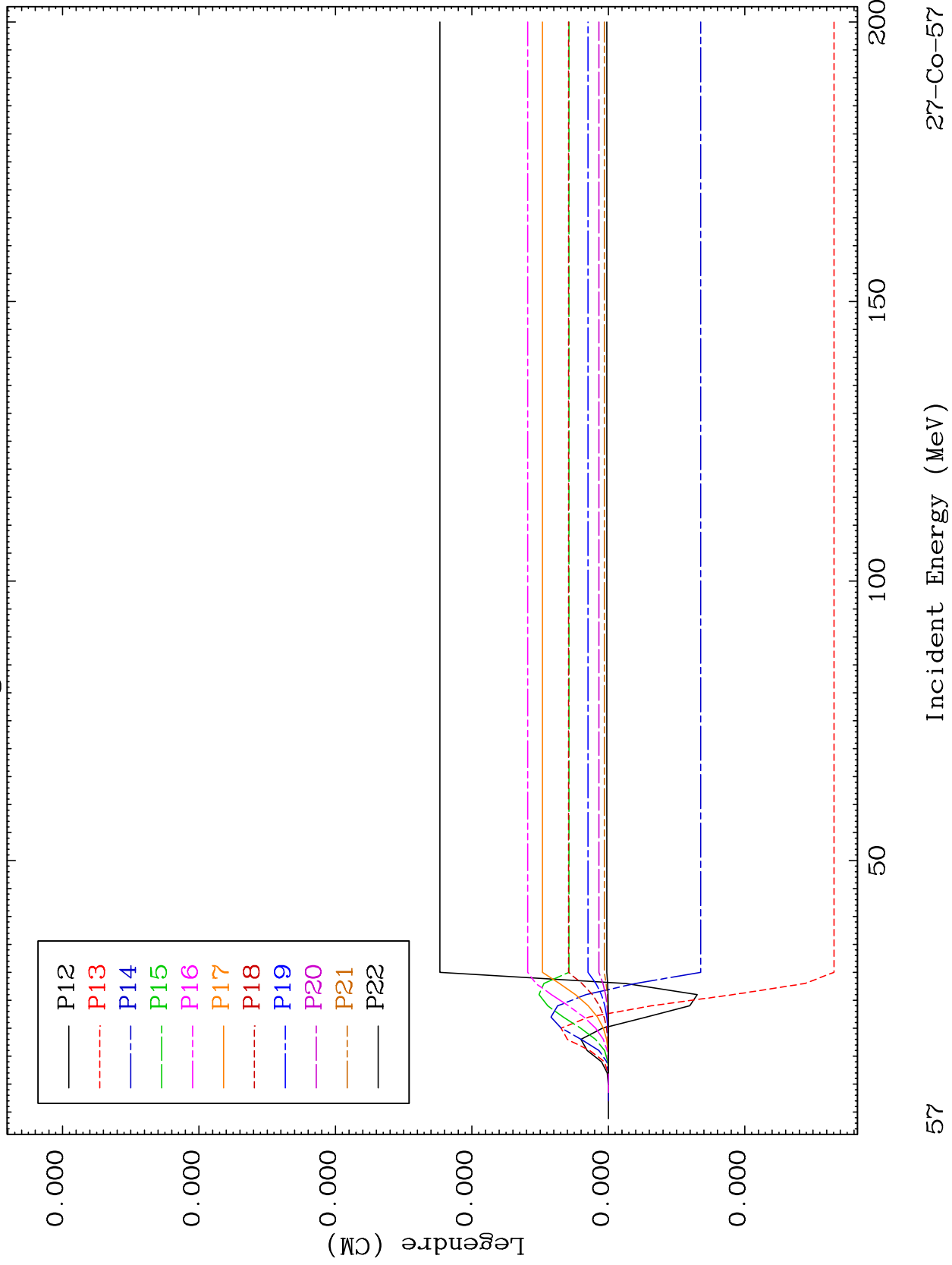
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57

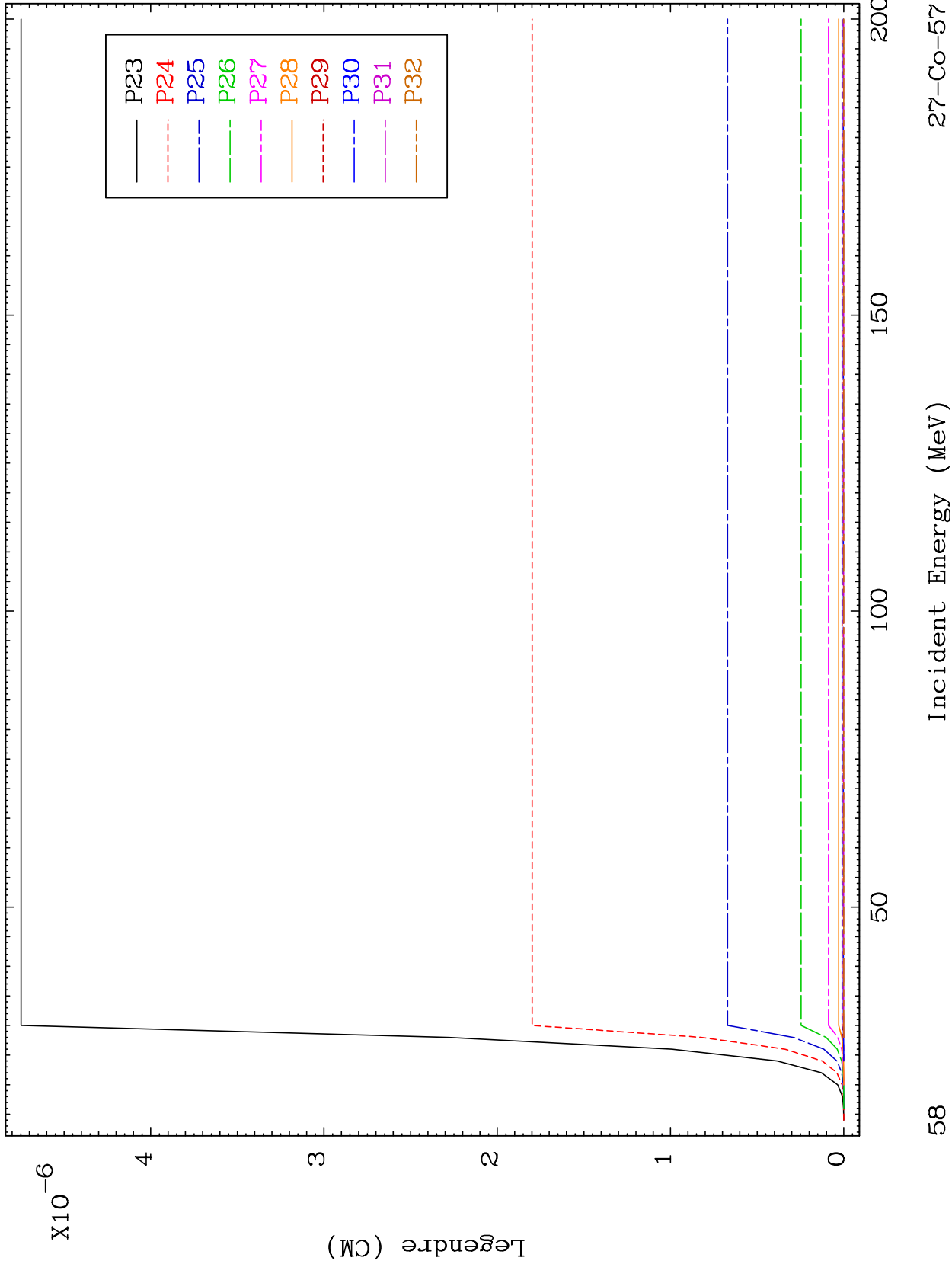


57

MAT 2719

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

27-Co-57



58

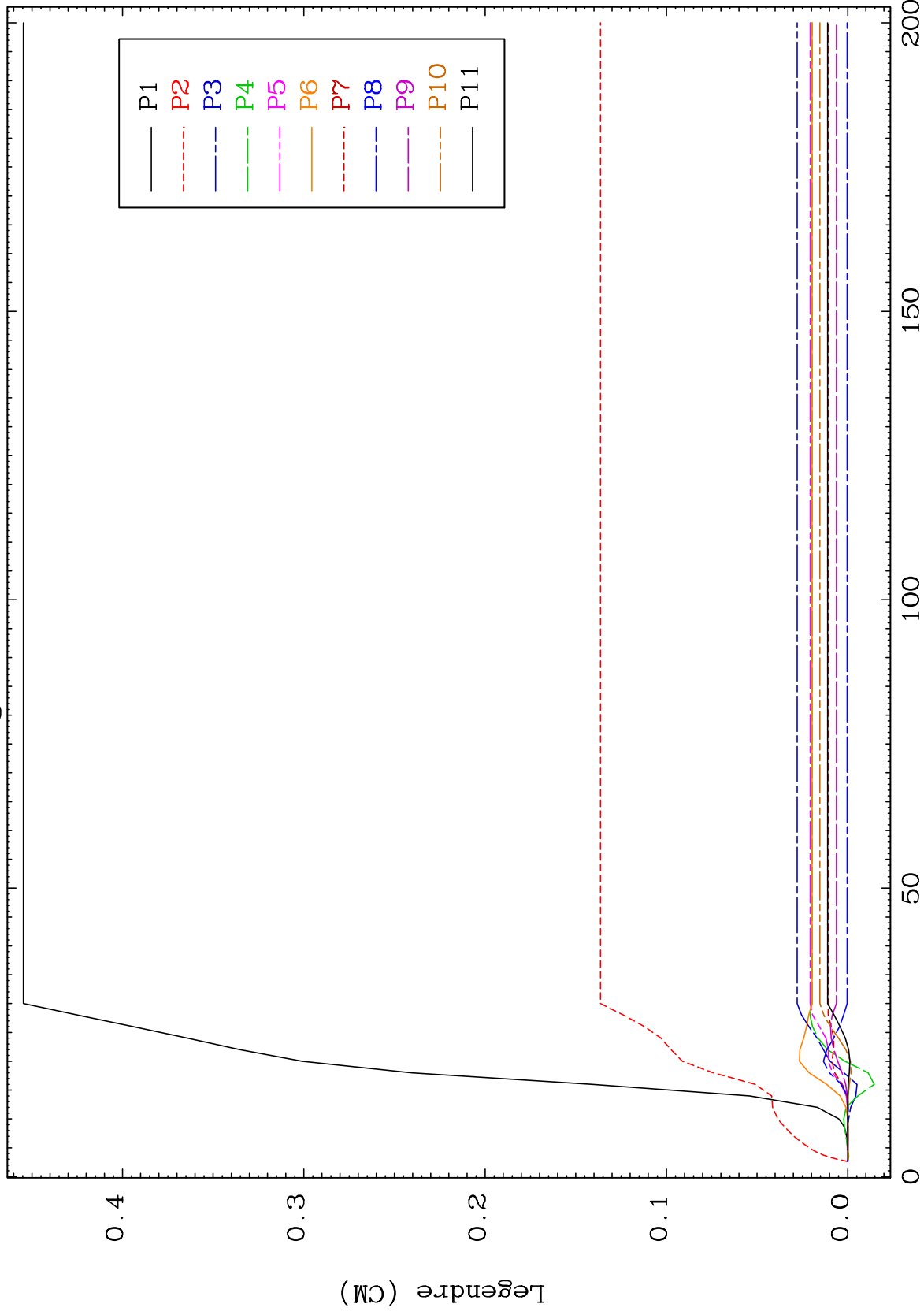
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



59

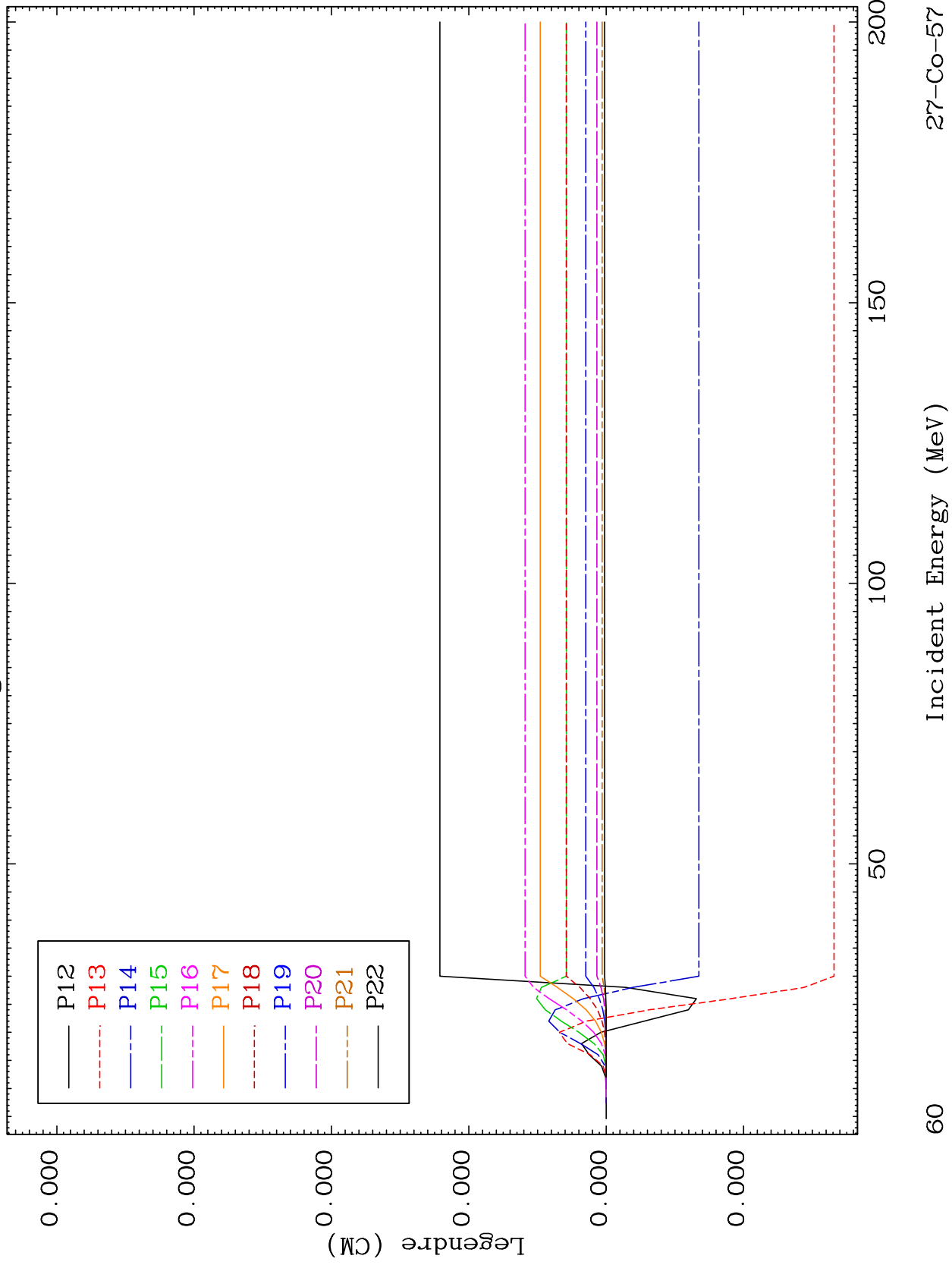
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



60

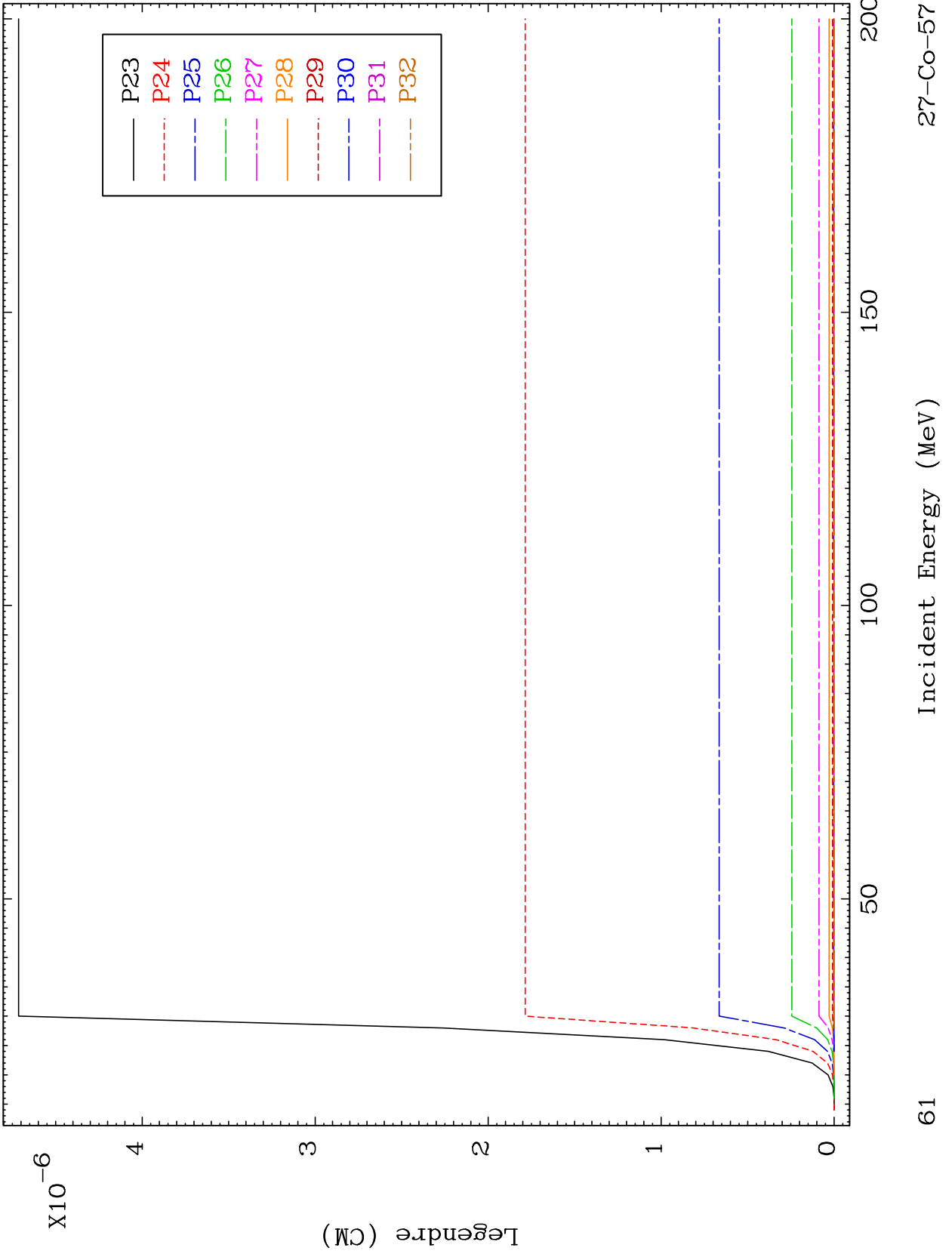
Incident Energy (MeV)

27-Co-57

MAT 2719

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

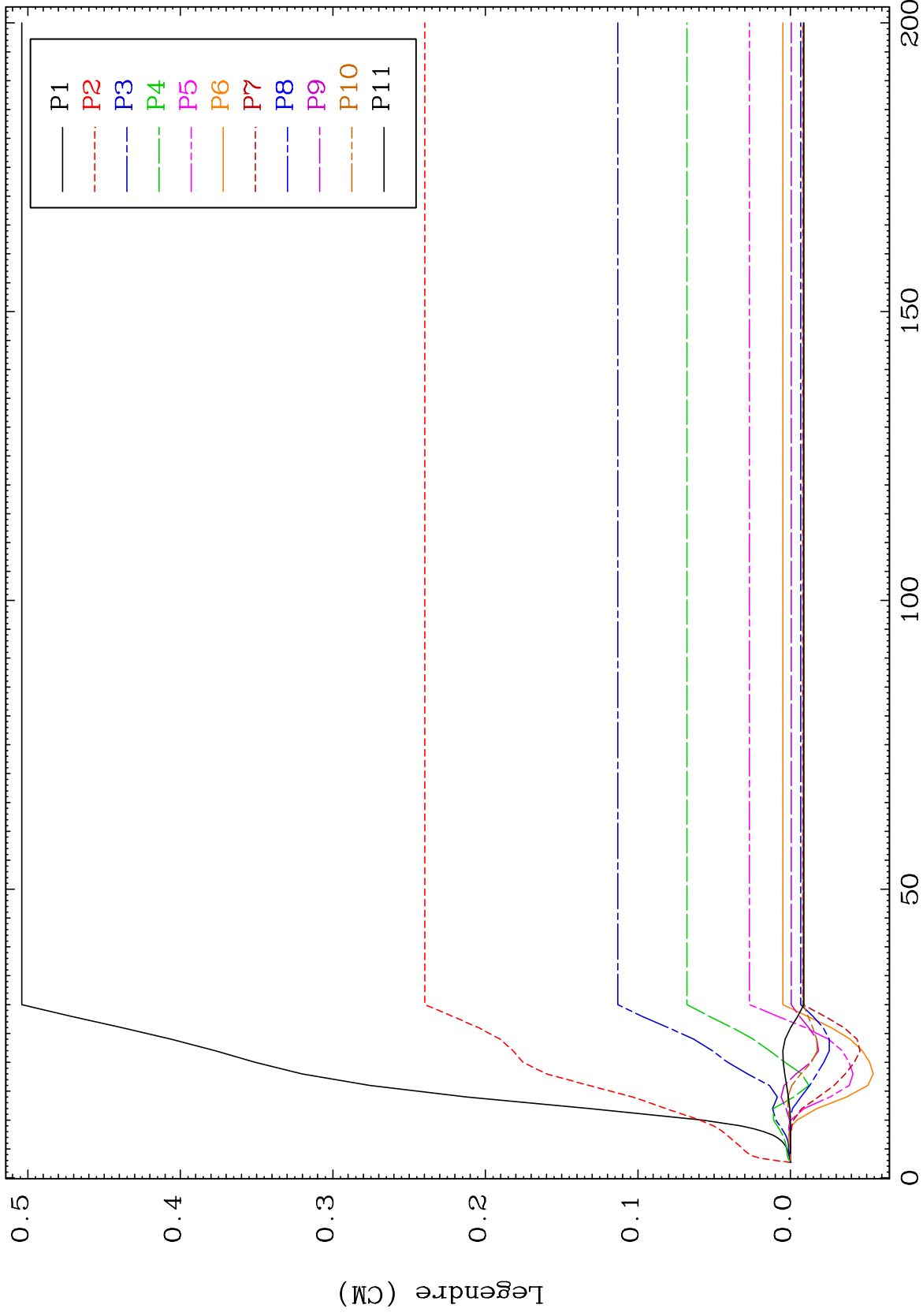
27-Co-57



MAT 2719

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

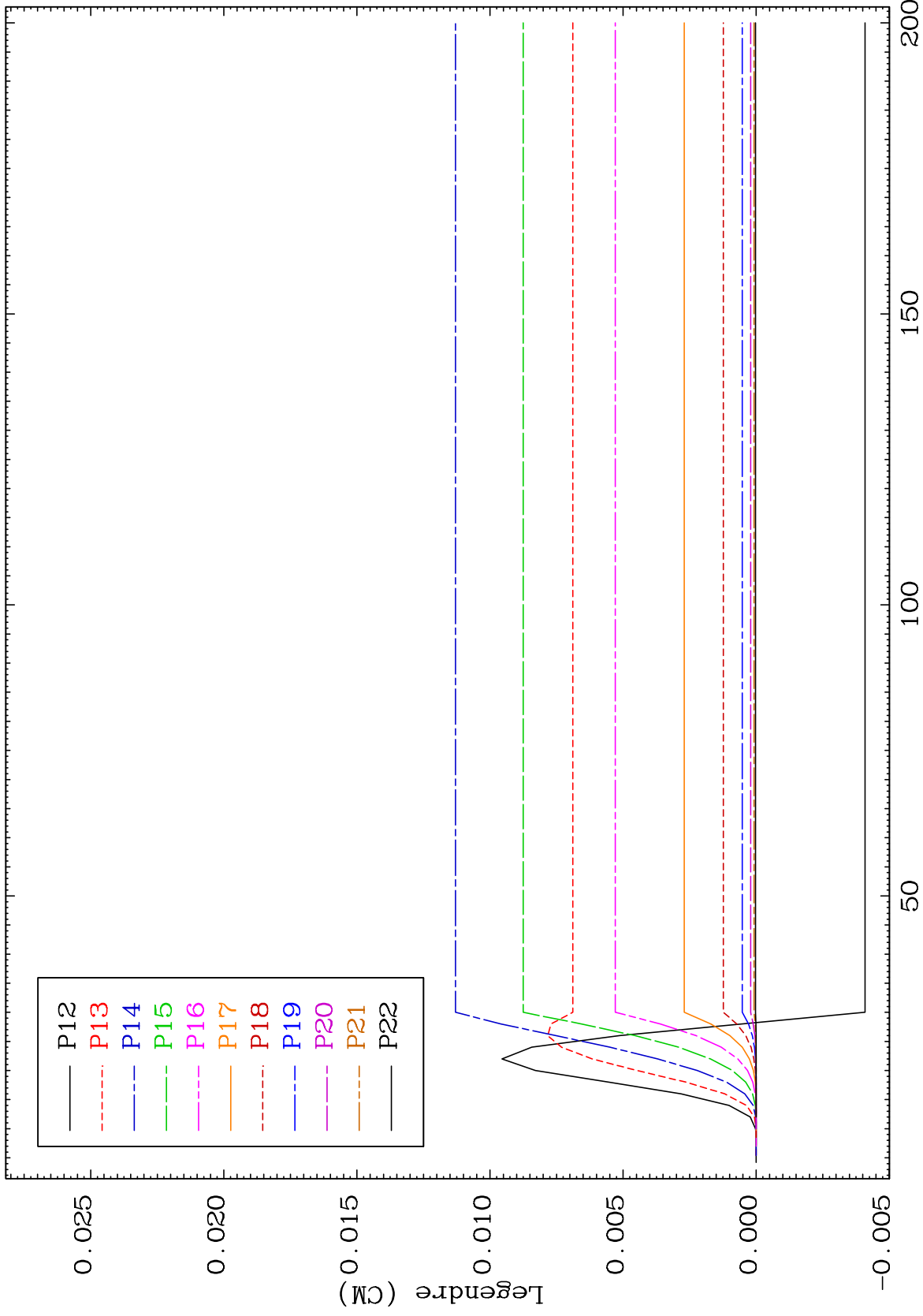
27-Co-57



62

Incident Energy (MeV)

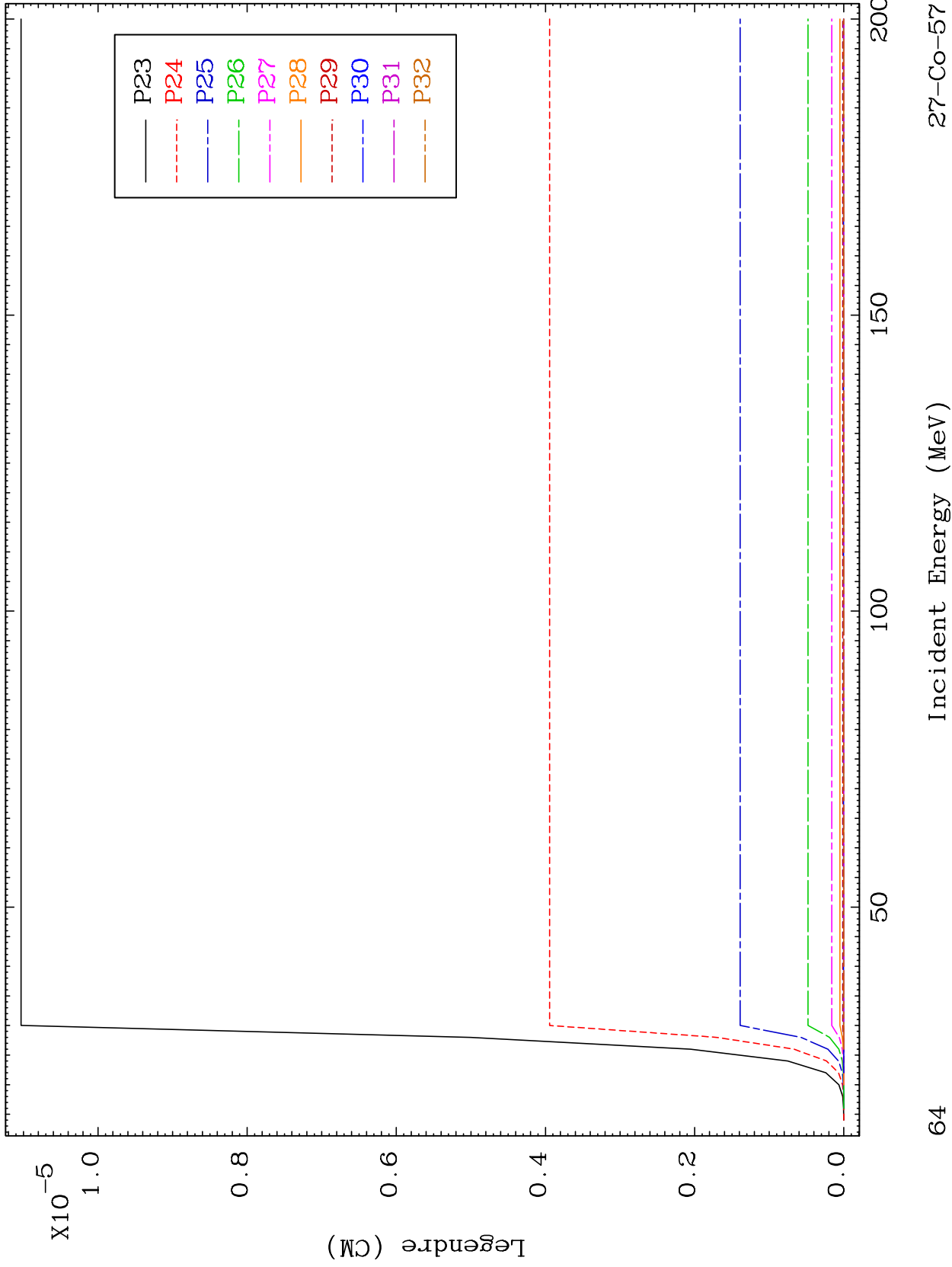
27-Co-57



MAT 2719

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

27-Co-57



64

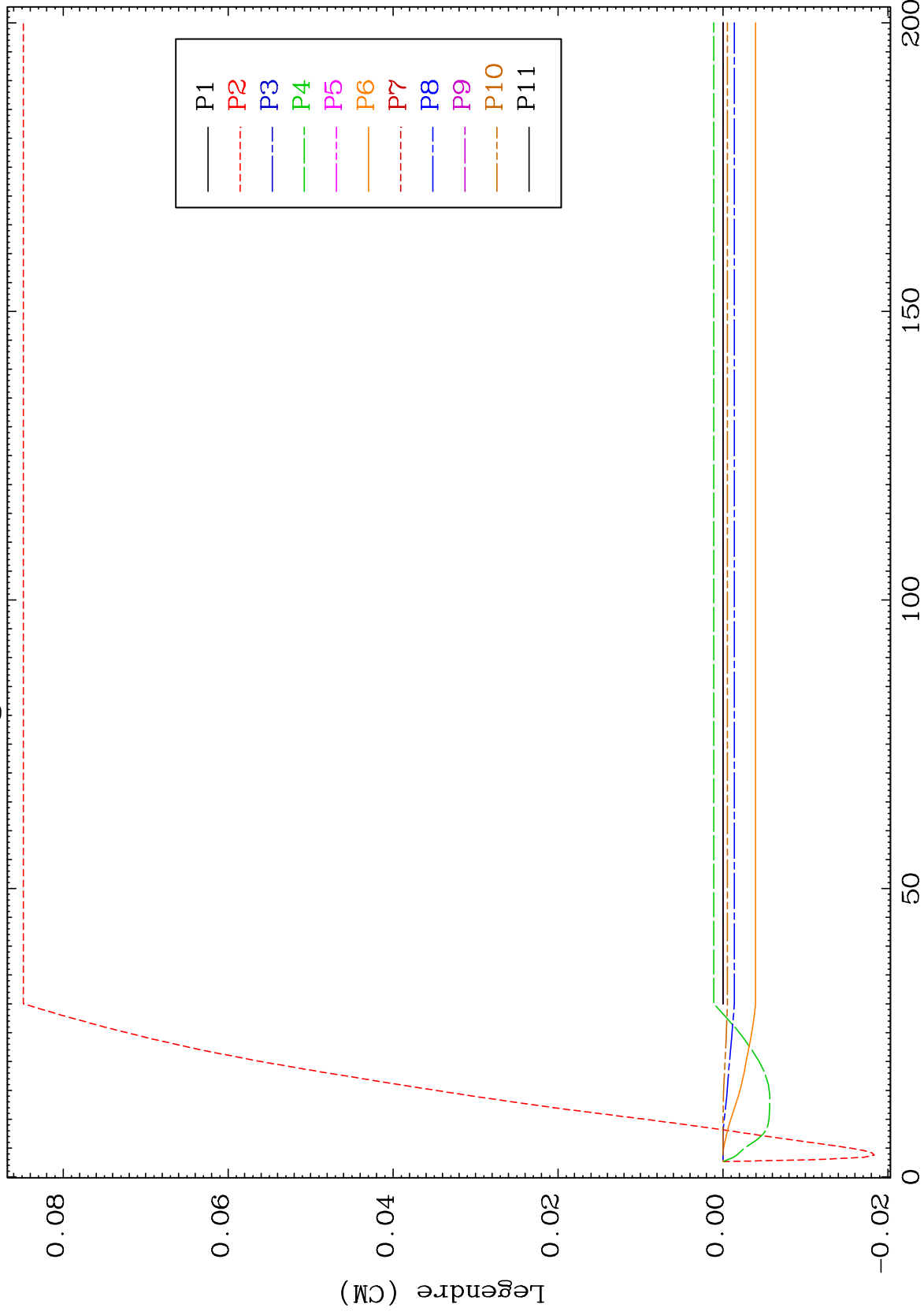
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



65

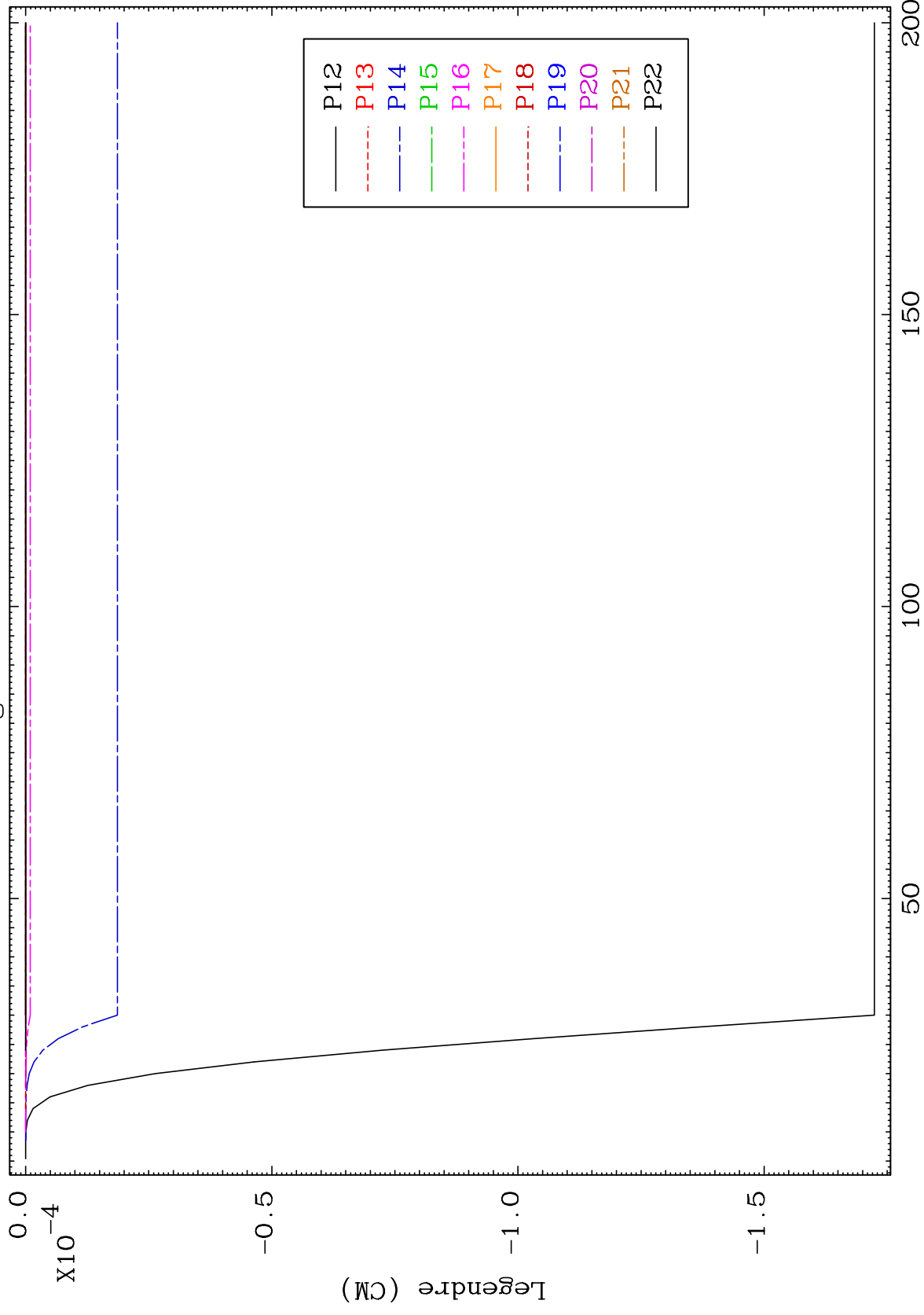
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



66

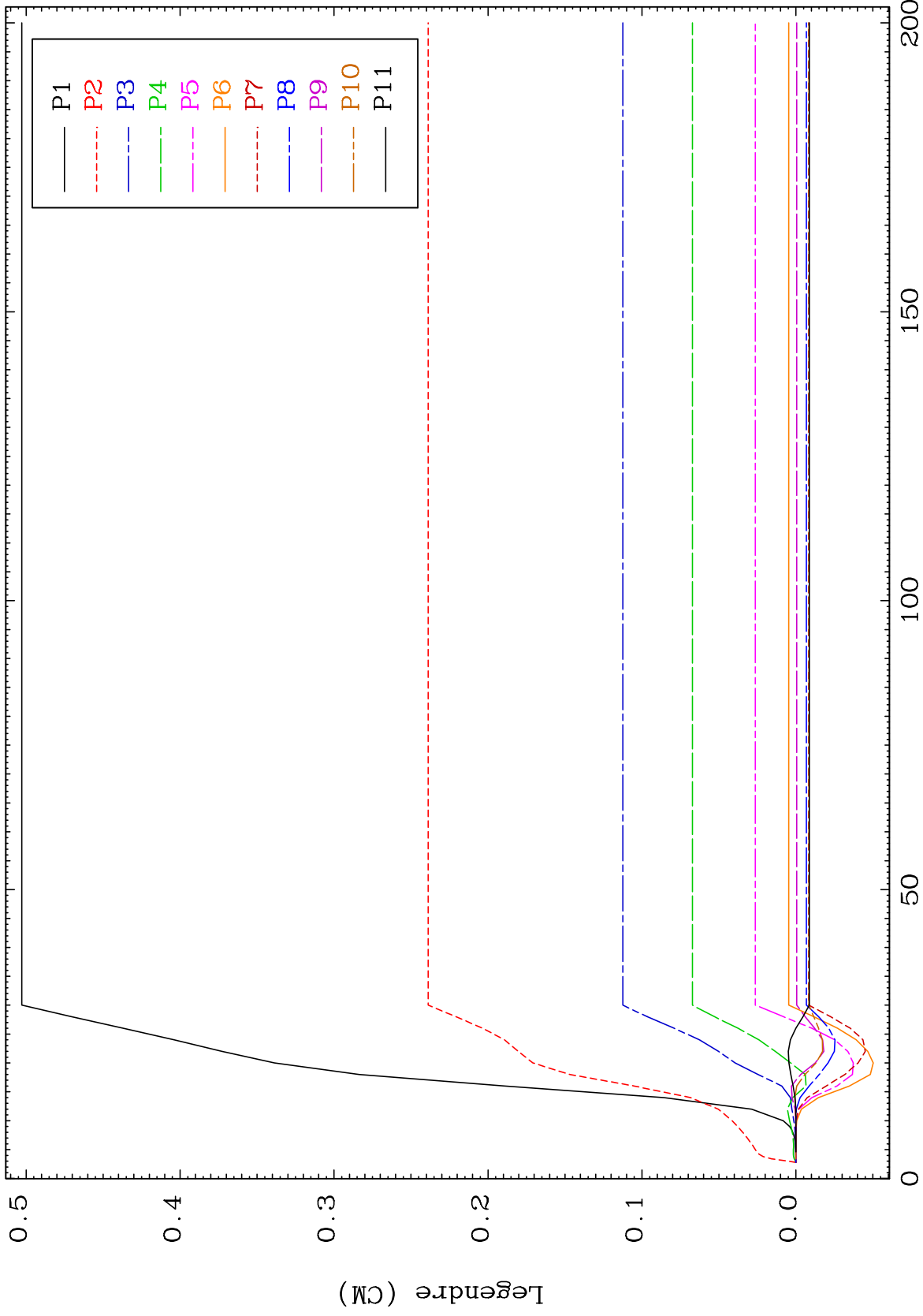
Incident Energy (MeV)

27-Co-57

MAT 2719

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

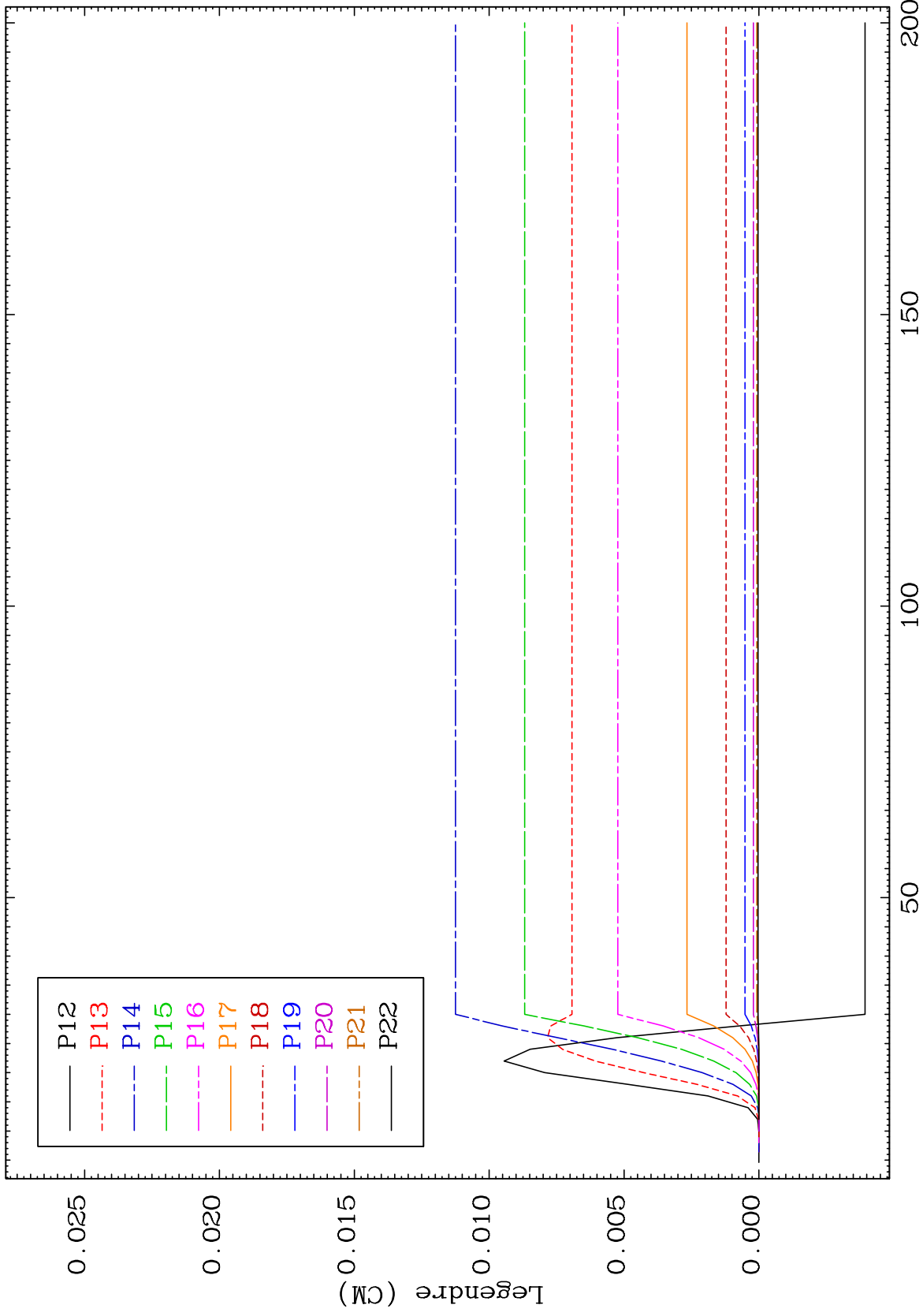
27-Co-57



67

Incident Energy (MeV)

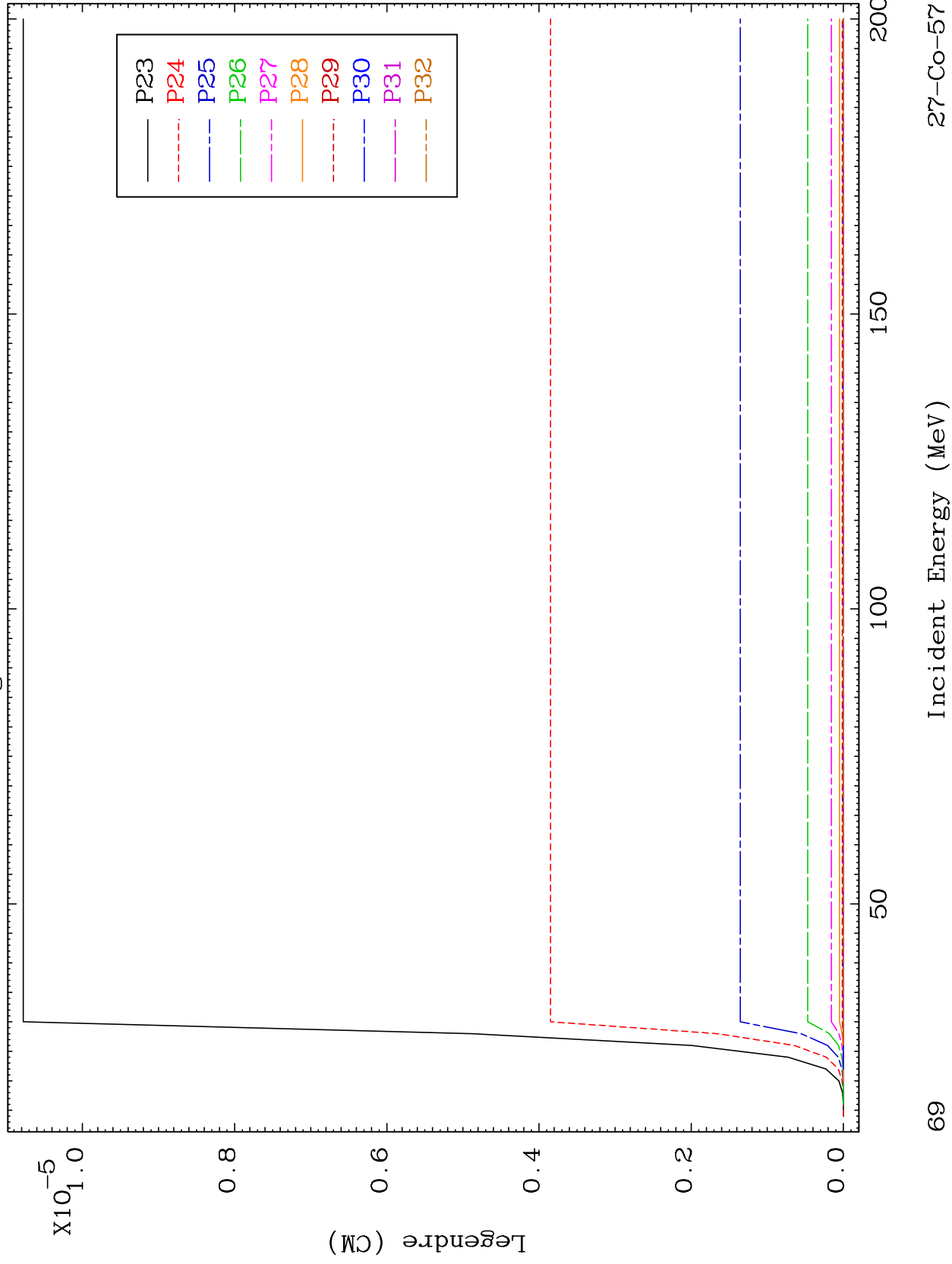
27-Co-57



MAT 2719

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

27-Co-57



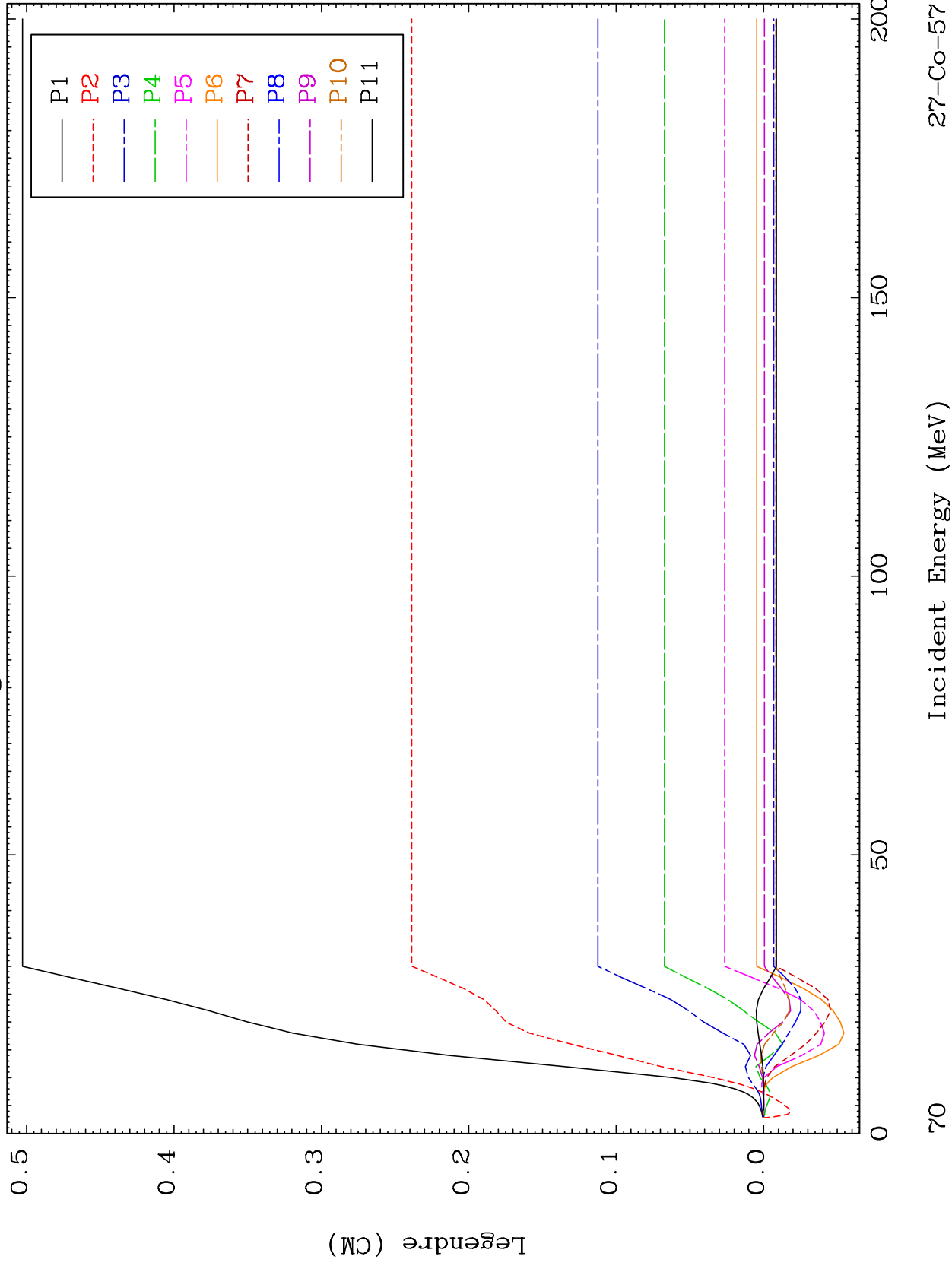
69

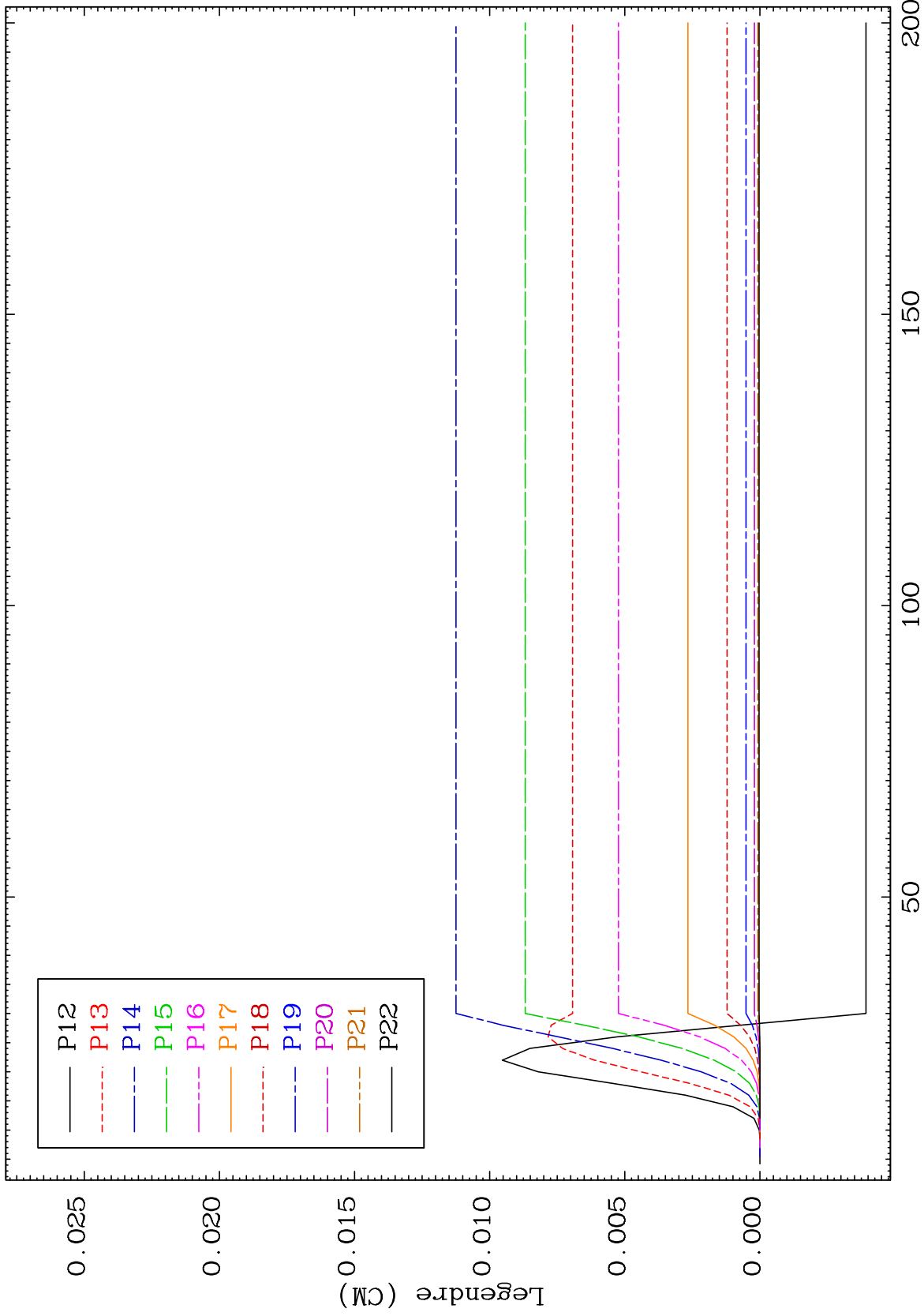
27-Co-57

MAT 2719

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

27-Co-57

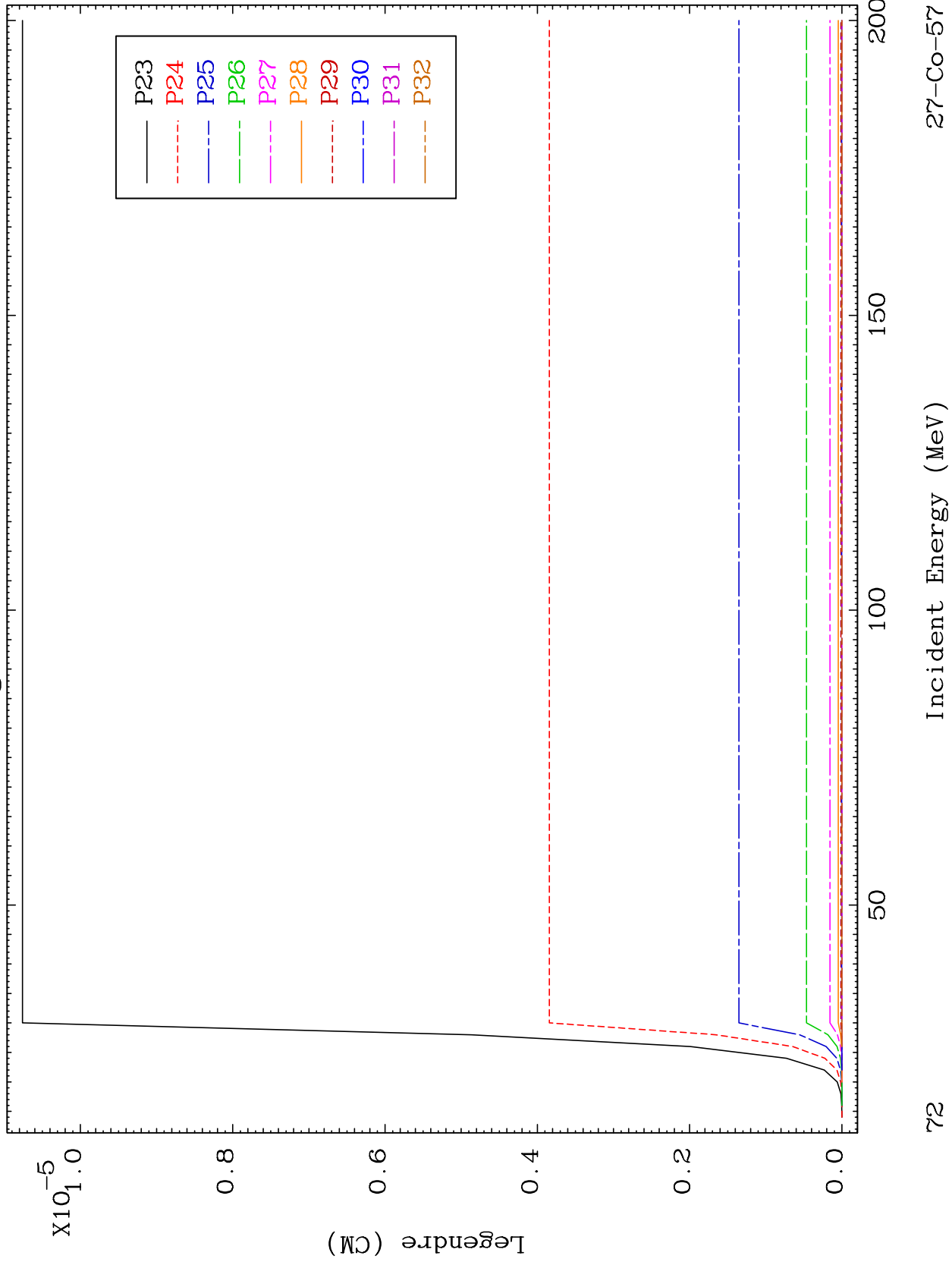




MAT 2719

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

27-Co-57



72

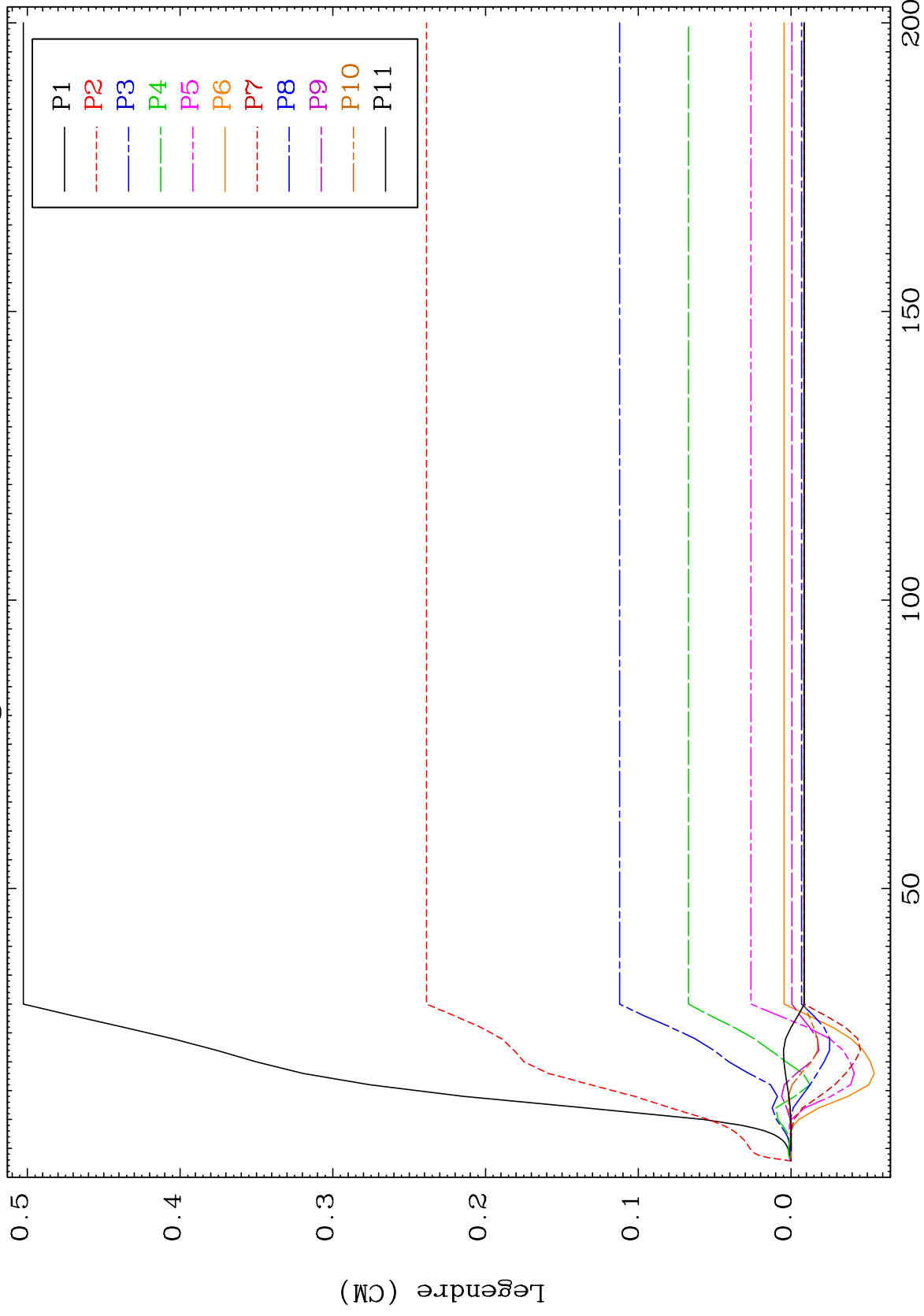
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



73

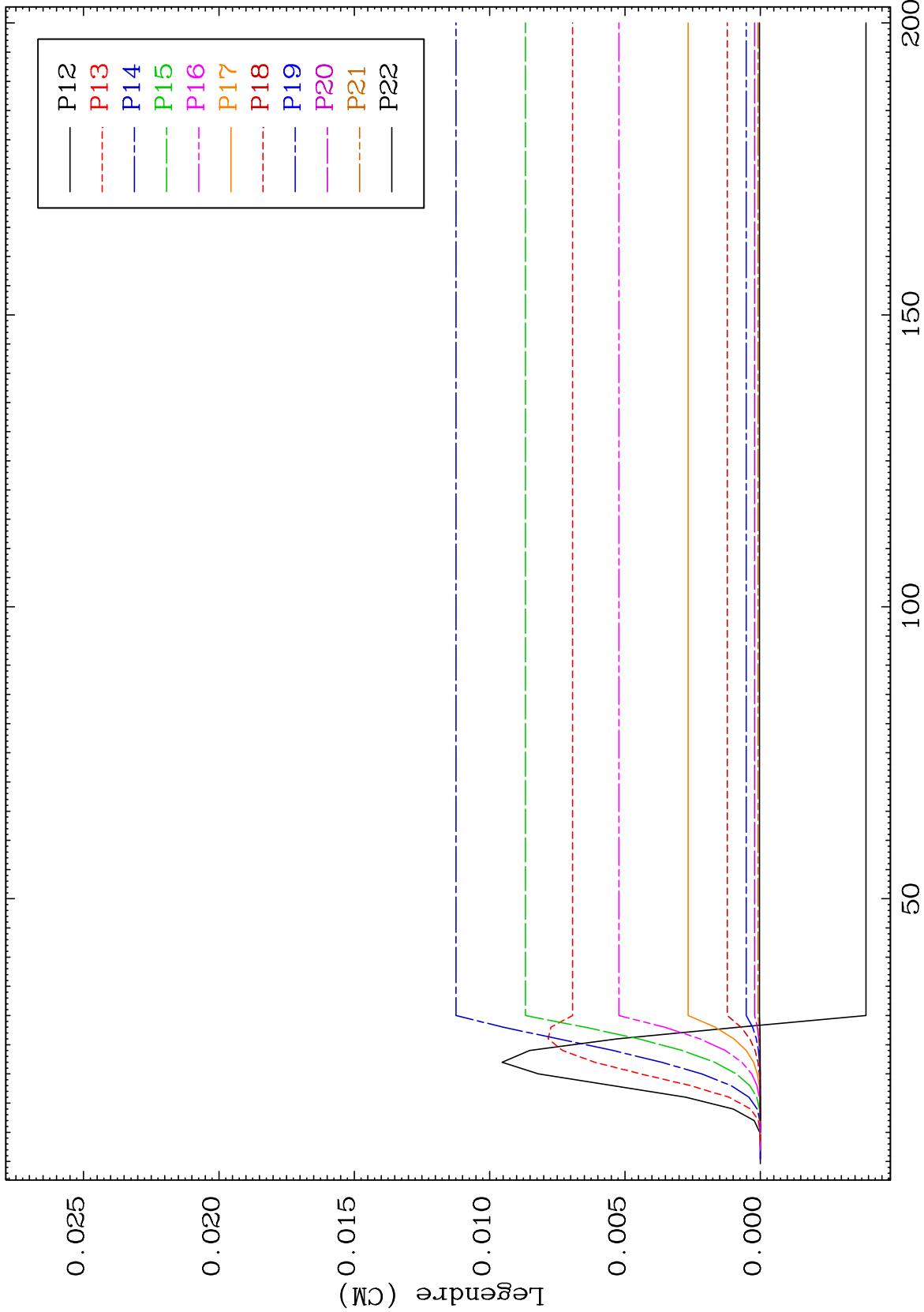
Incident Energy (MeV)

27-Co-57

MAT 2719

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

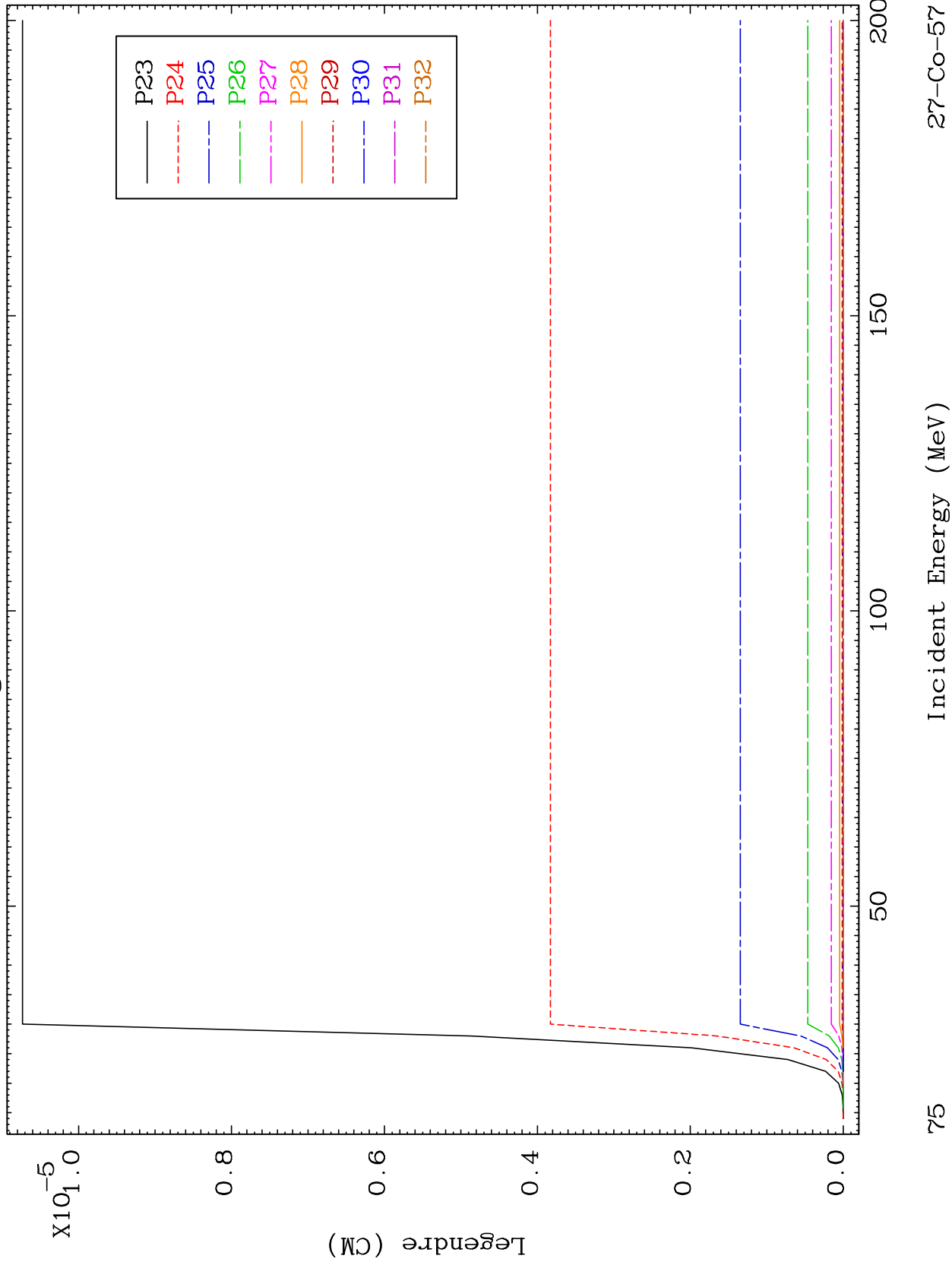
27-Co-57



MAT 2719

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

27-Co-57



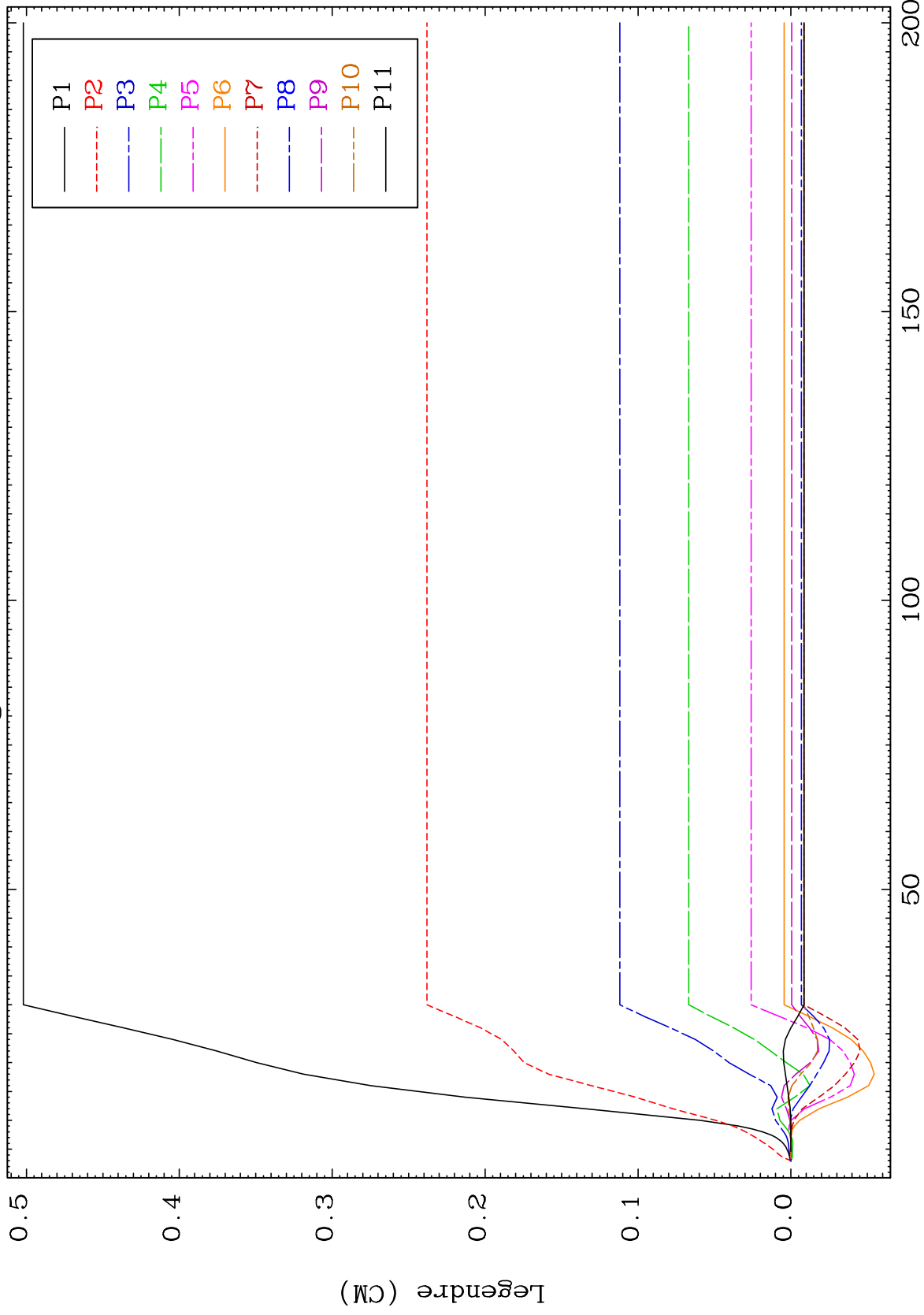
75

27-Co-57

MAT 2719

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

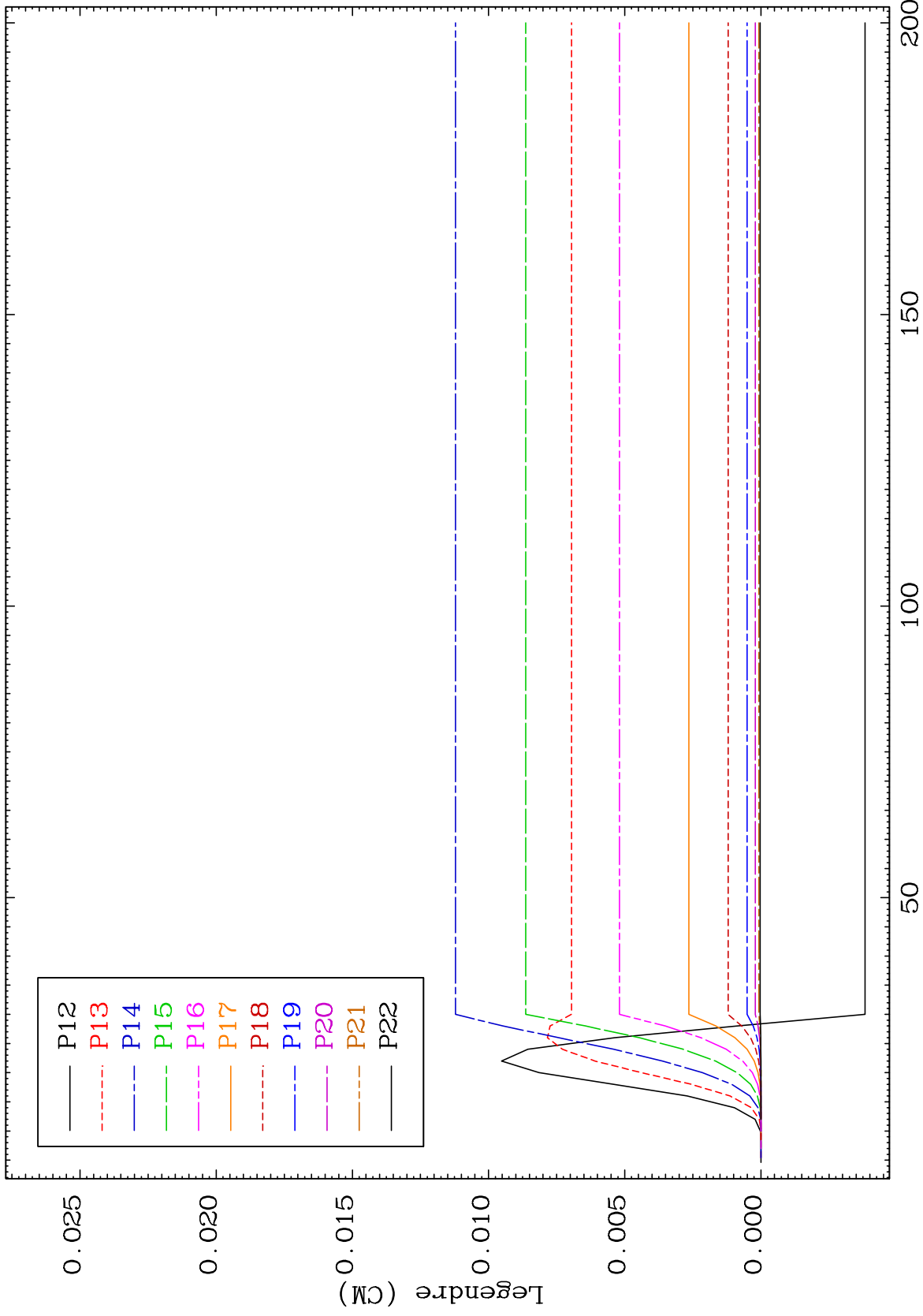
27-Co-57



76

Incident Energy (MeV)

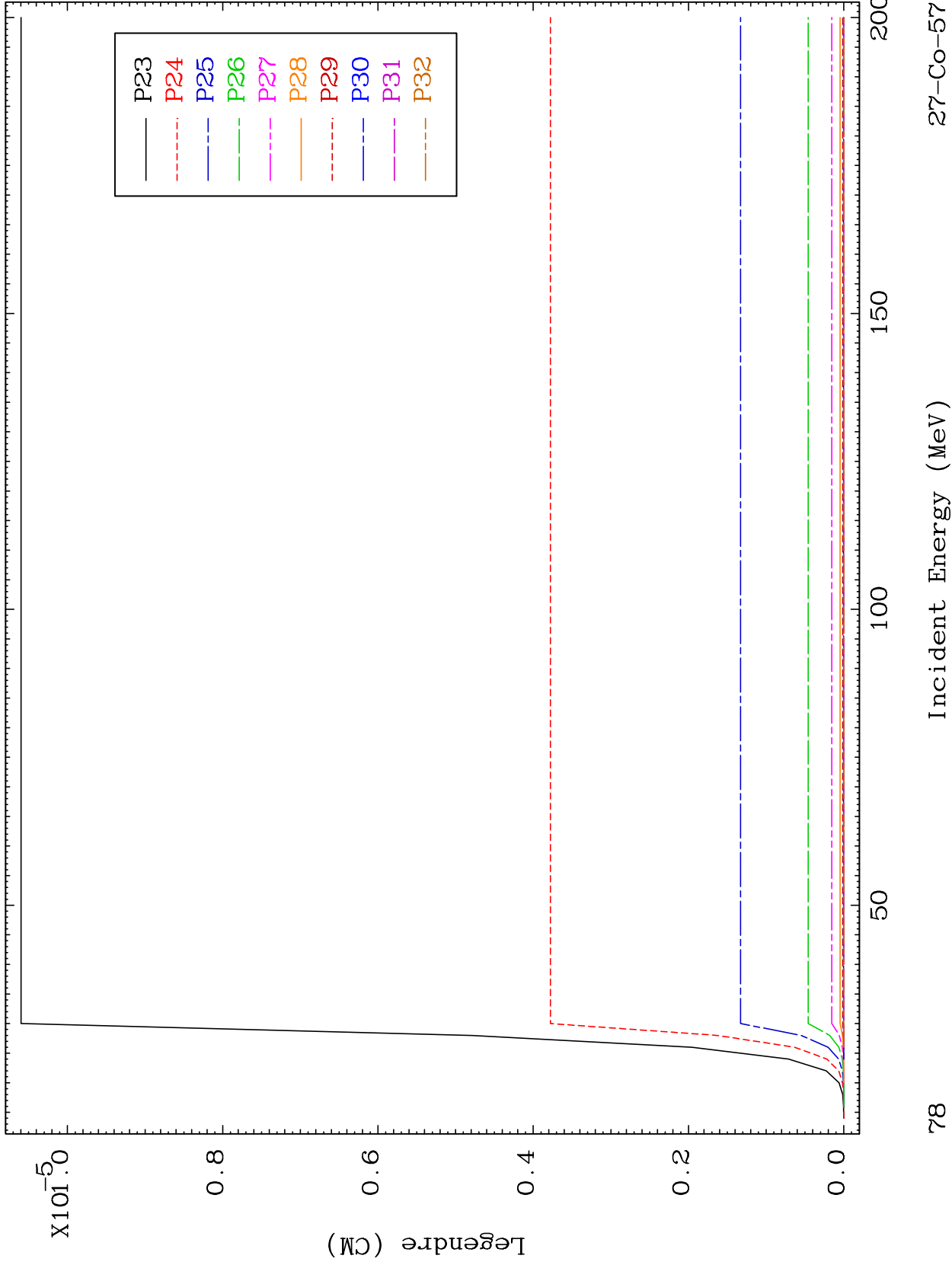
27-Co-57



MAT 2719

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

27-Co-57



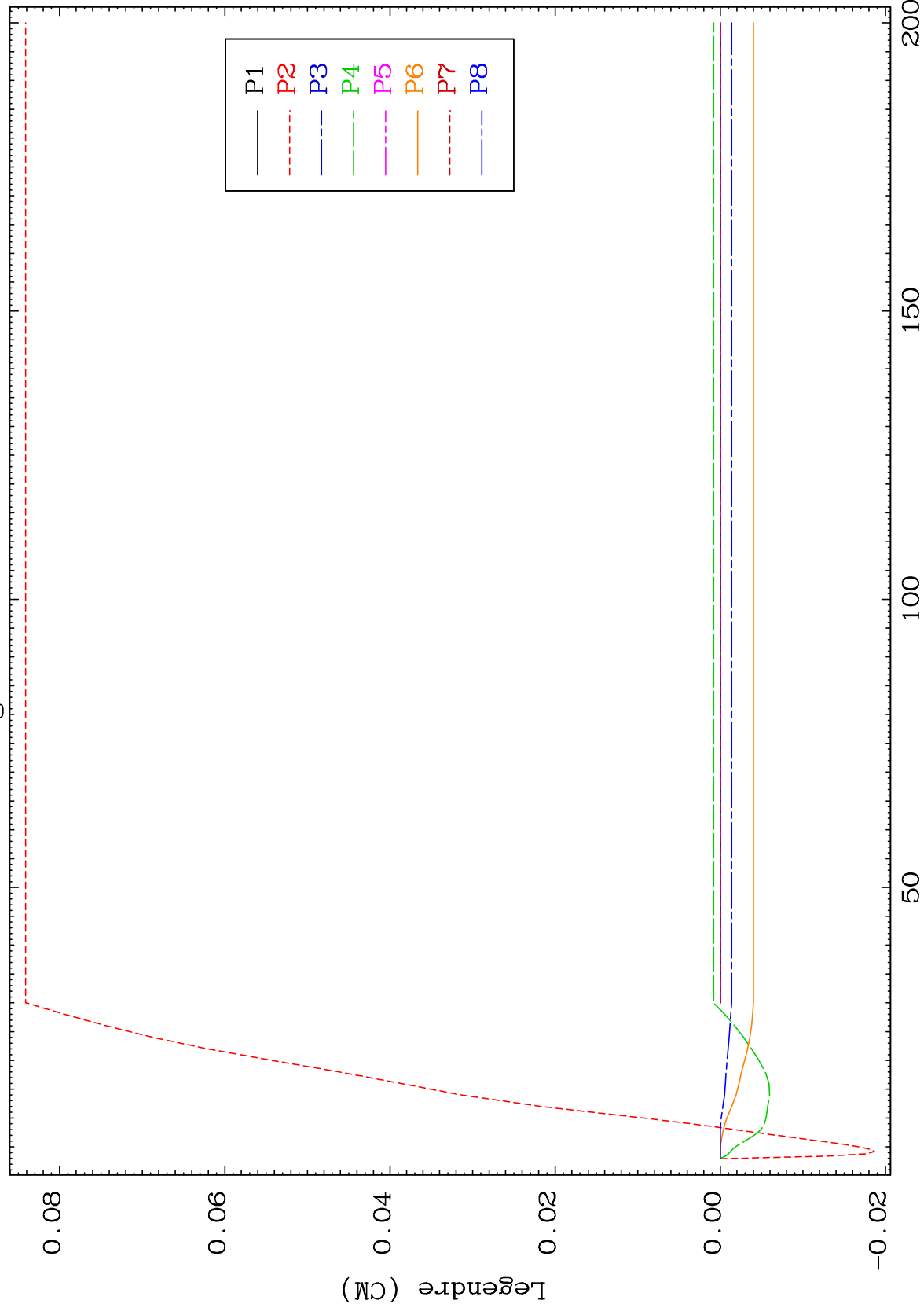
78

27-Co-57

MAT 2719

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

27-Co-57



79

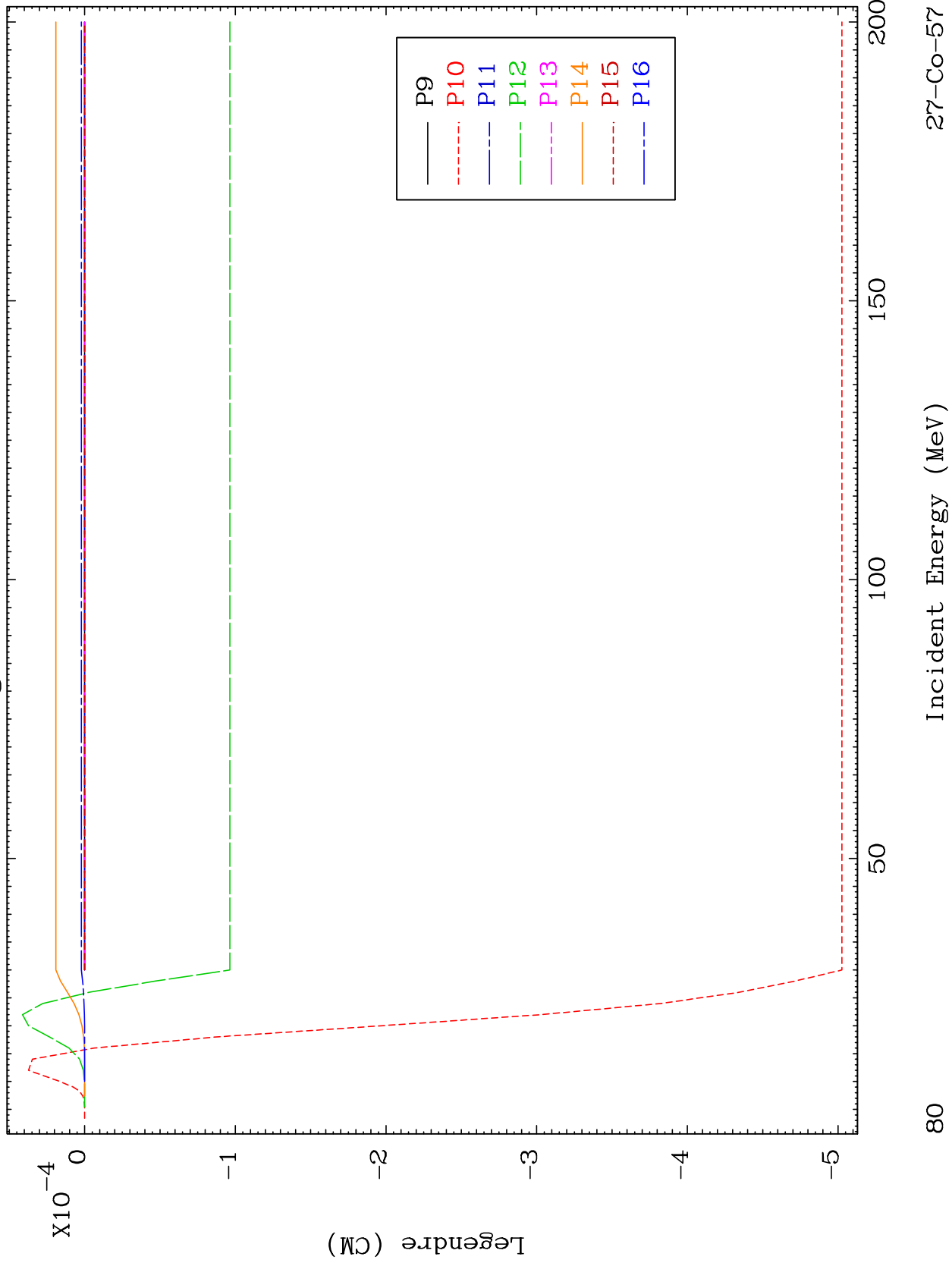
Incident Energy (MeV)

27-Co-57

MAT 2719

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

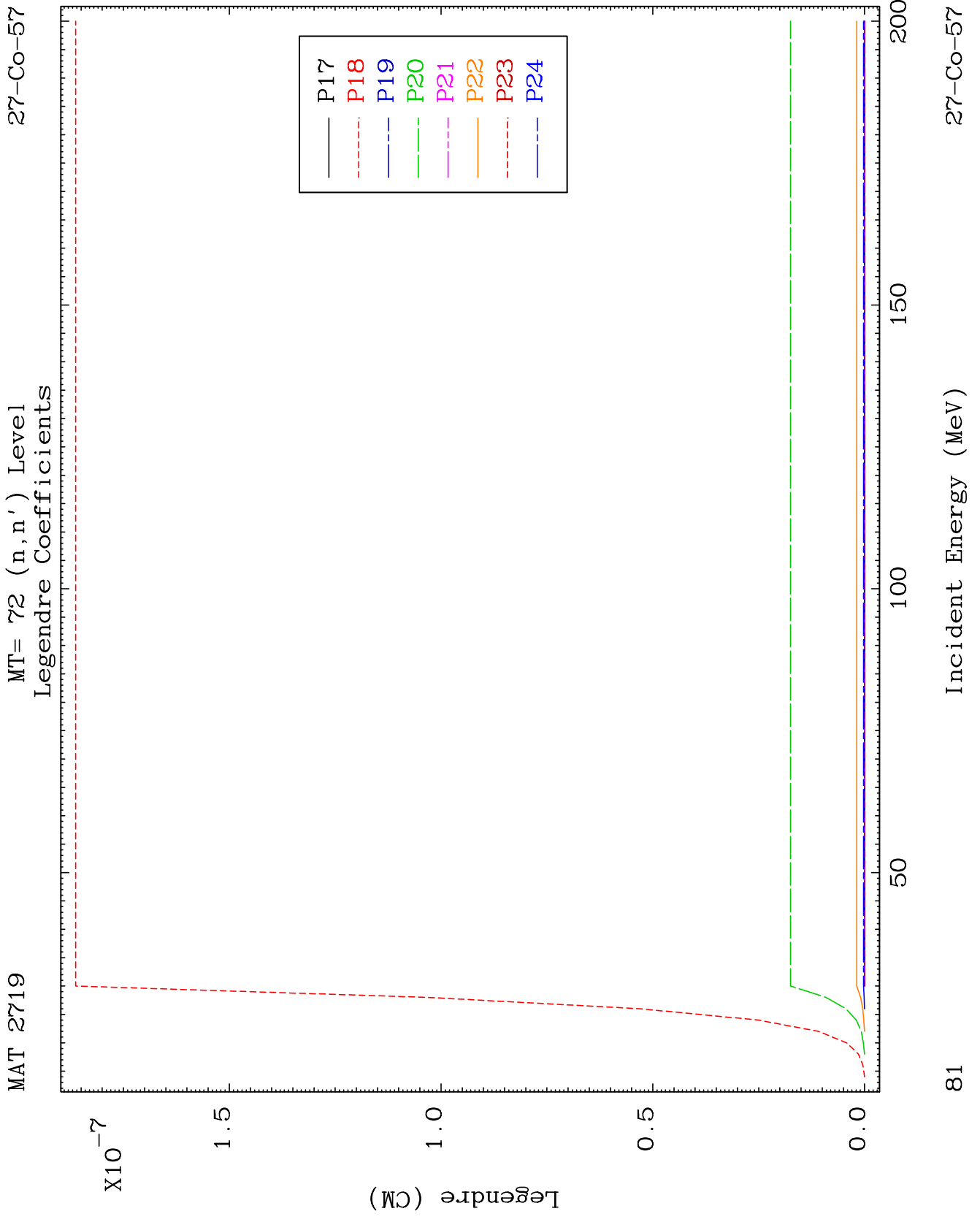
27-Co-57



27-Co-57

Incident Energy (MeV)

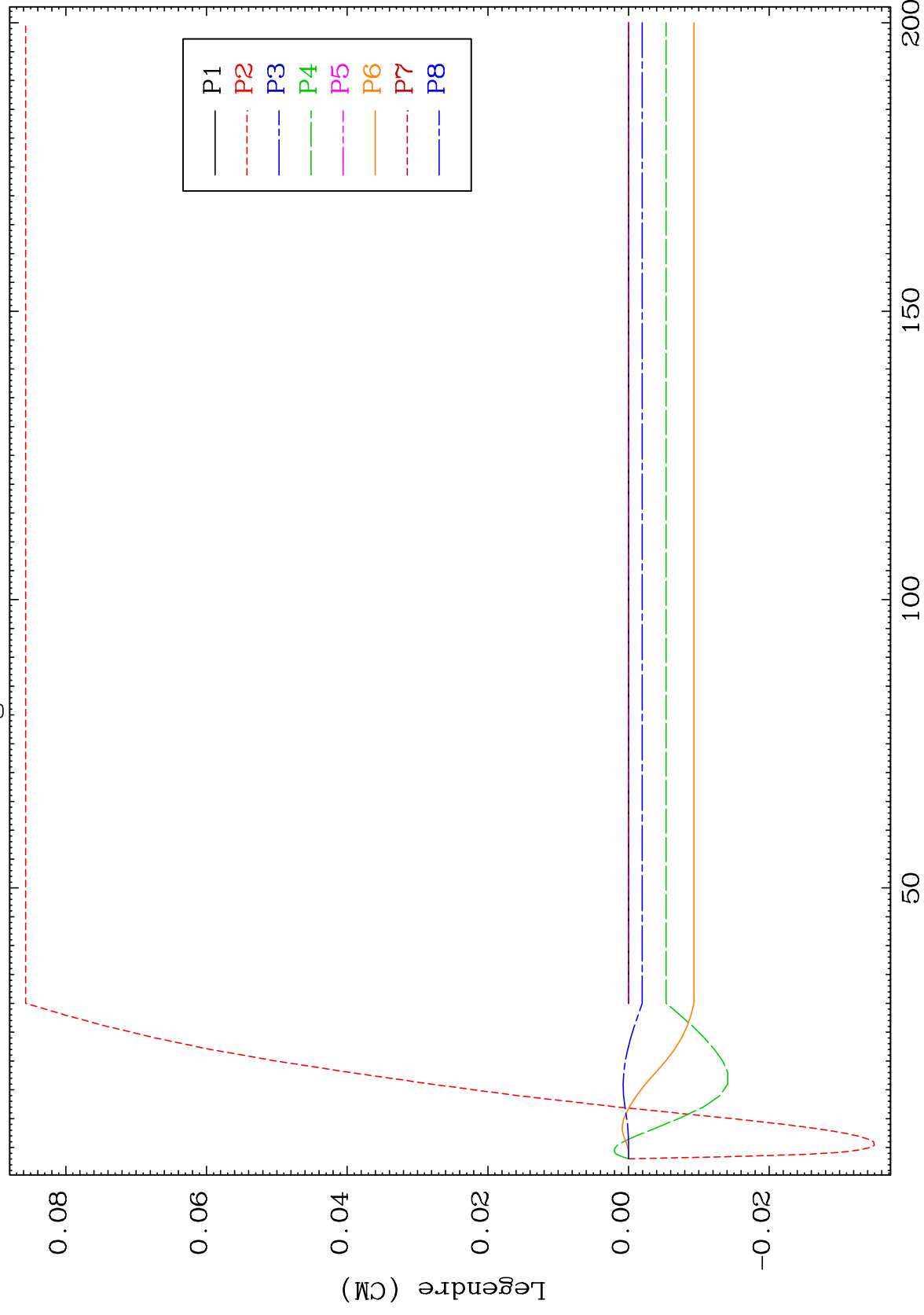
80



MAT 2719

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

27-Co-57



82

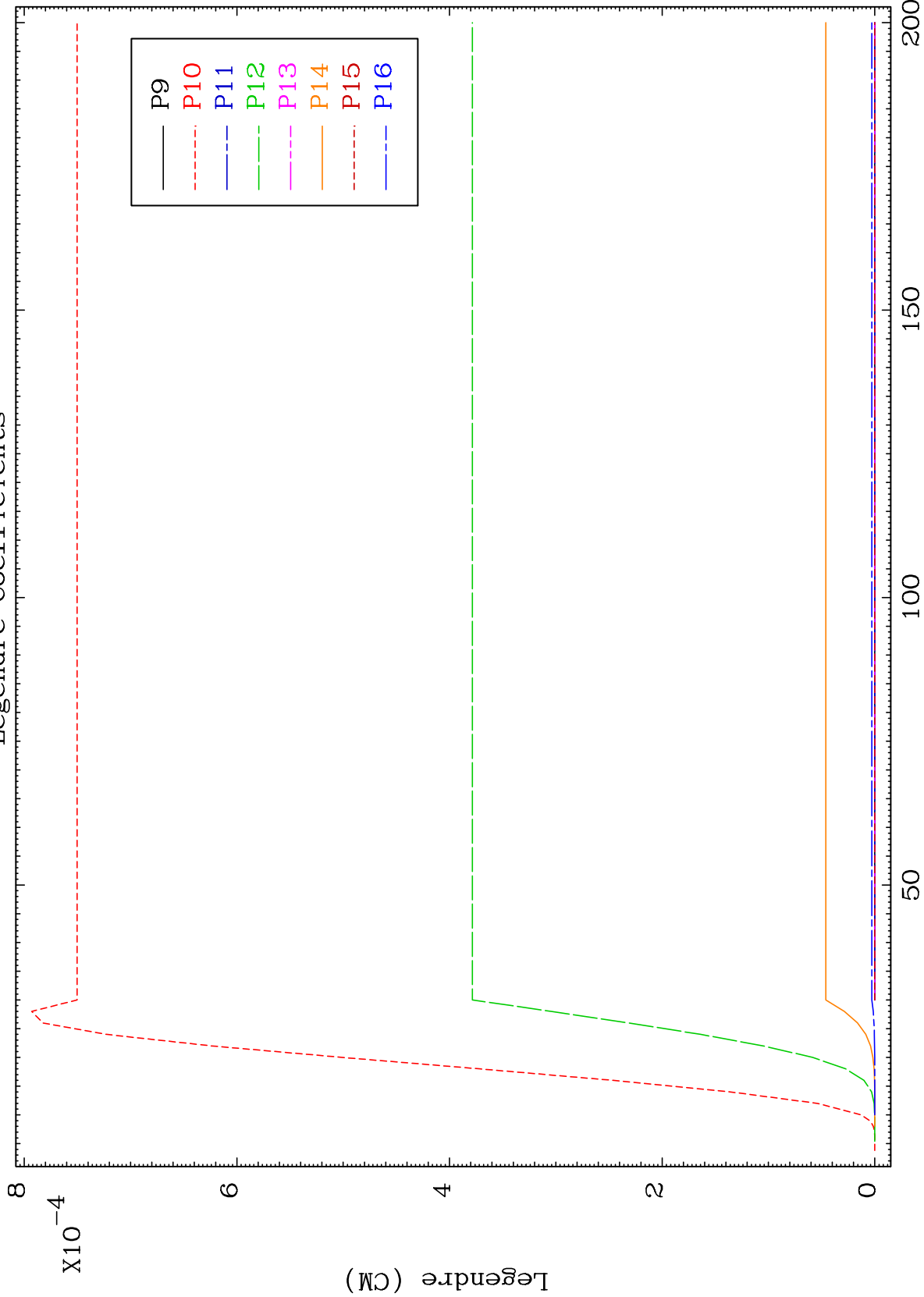
Incident Energy (MeV)

27-Co-57

MAT 2719

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

27-Co-57



83

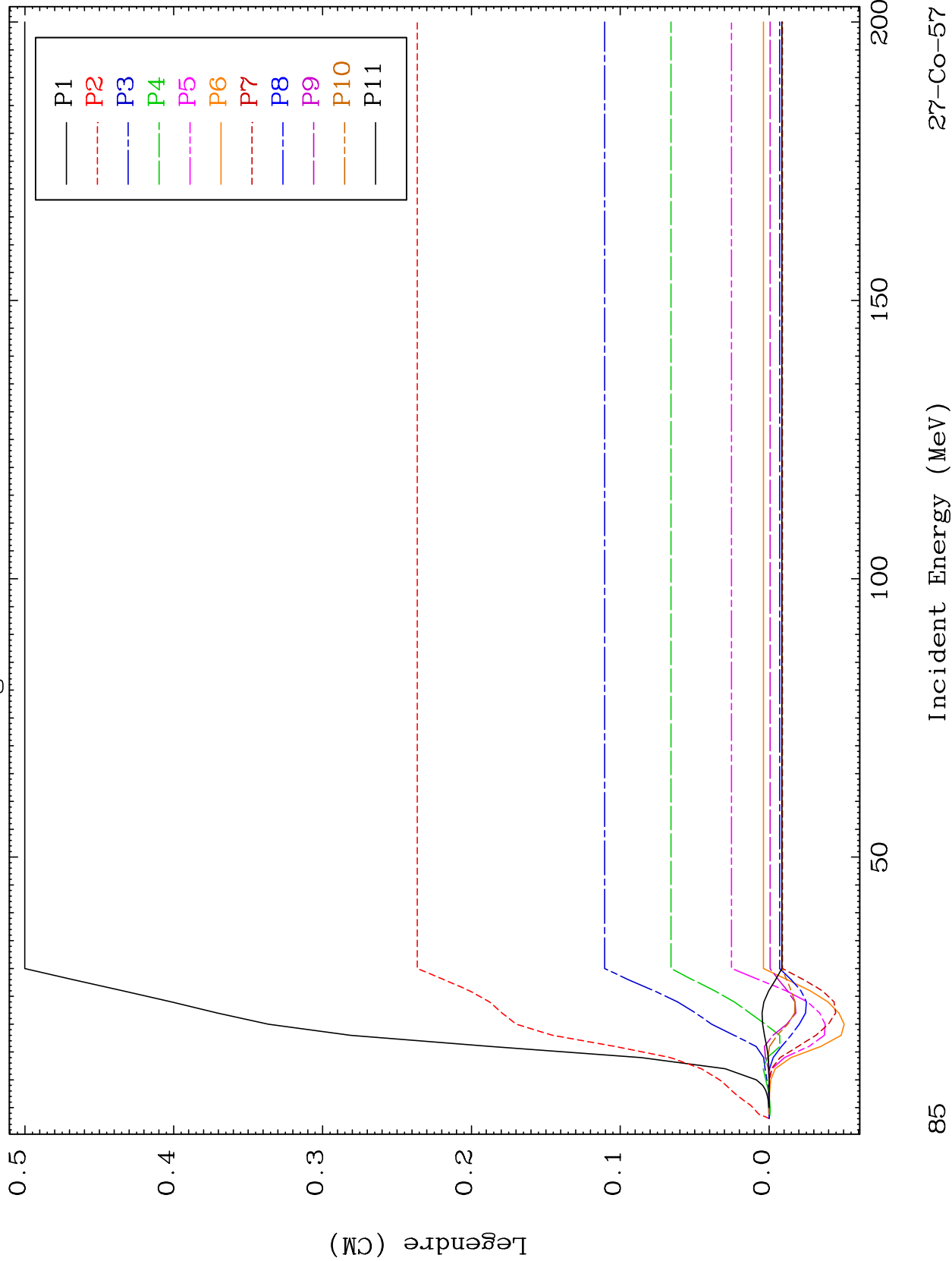
Incident Energy (MeV)

27-Co-57

MAT 2719

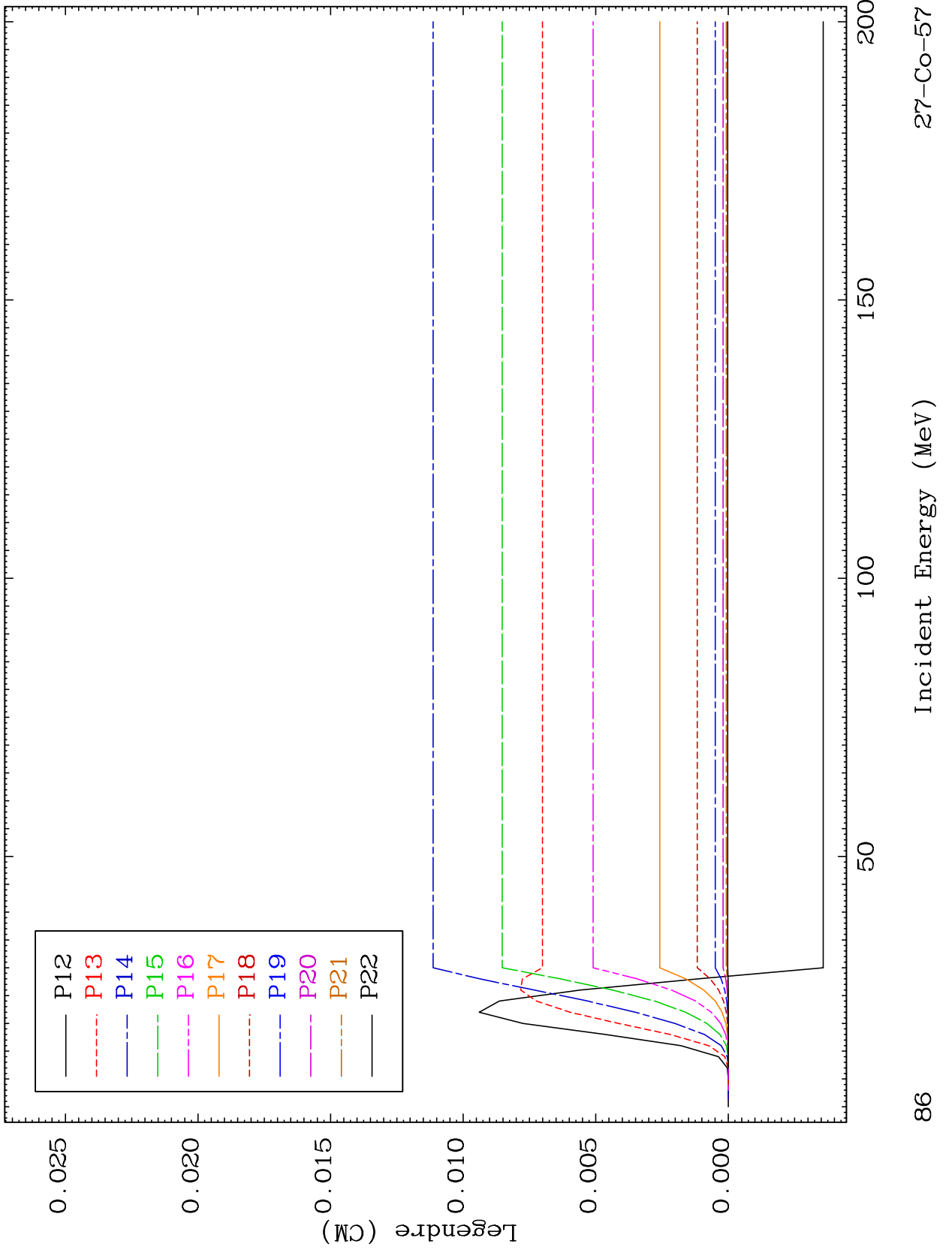
MT= 74 (n,n') Level
Legendre Coefficients

27-Co-57



85

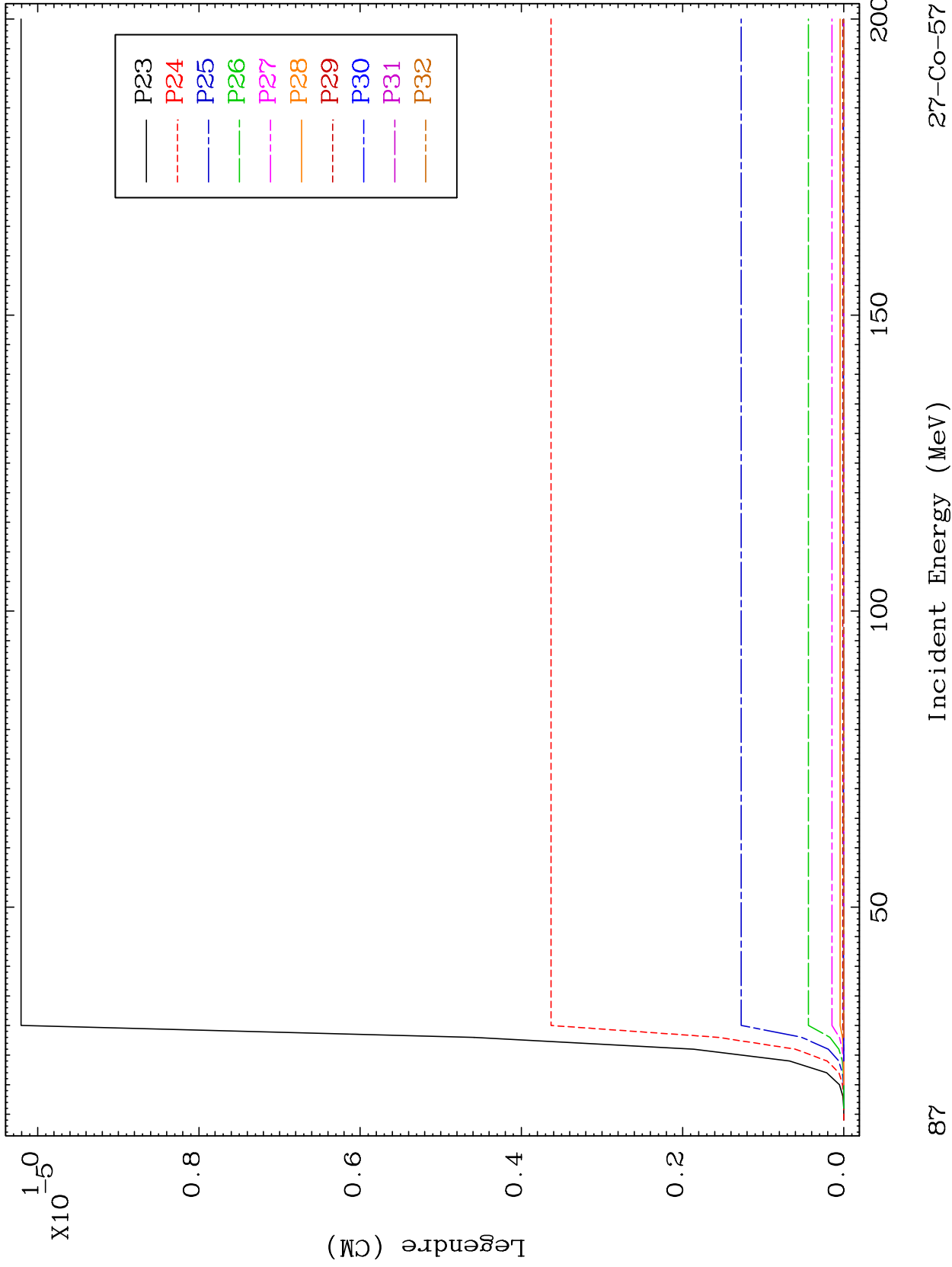
27-Co-57



MAT 2719

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

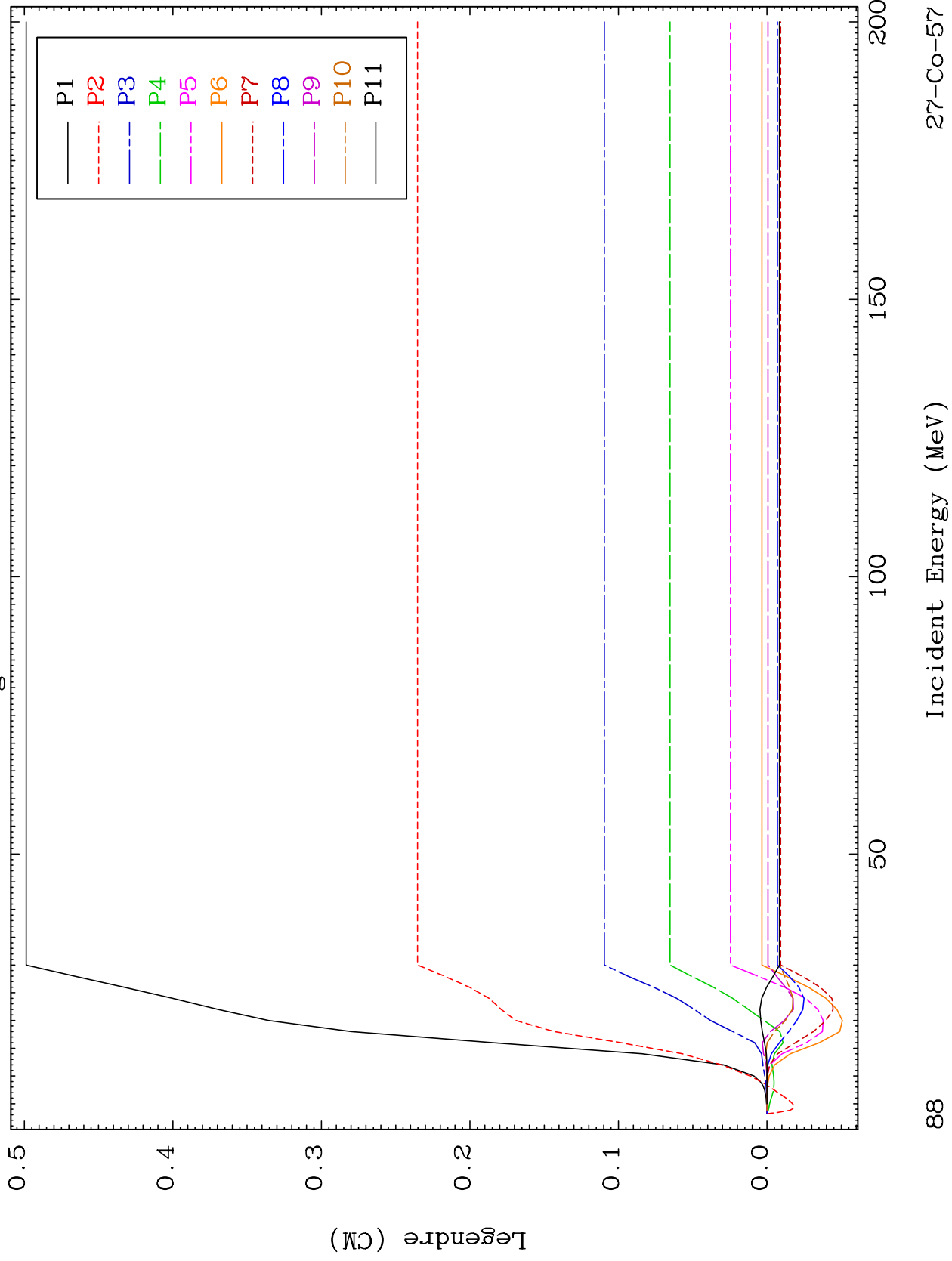
27-Co-57

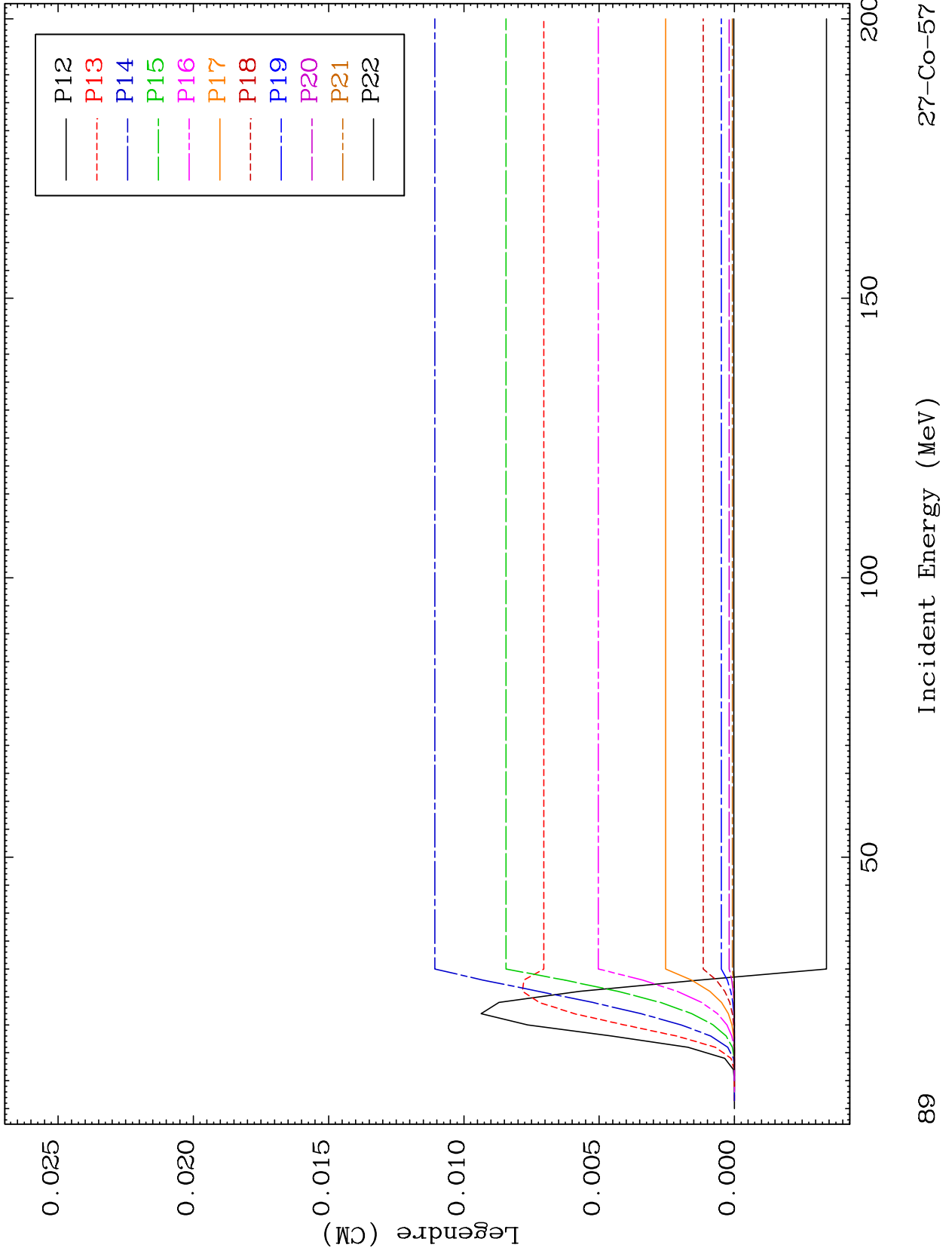


MAT 2719

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

27-Co-57

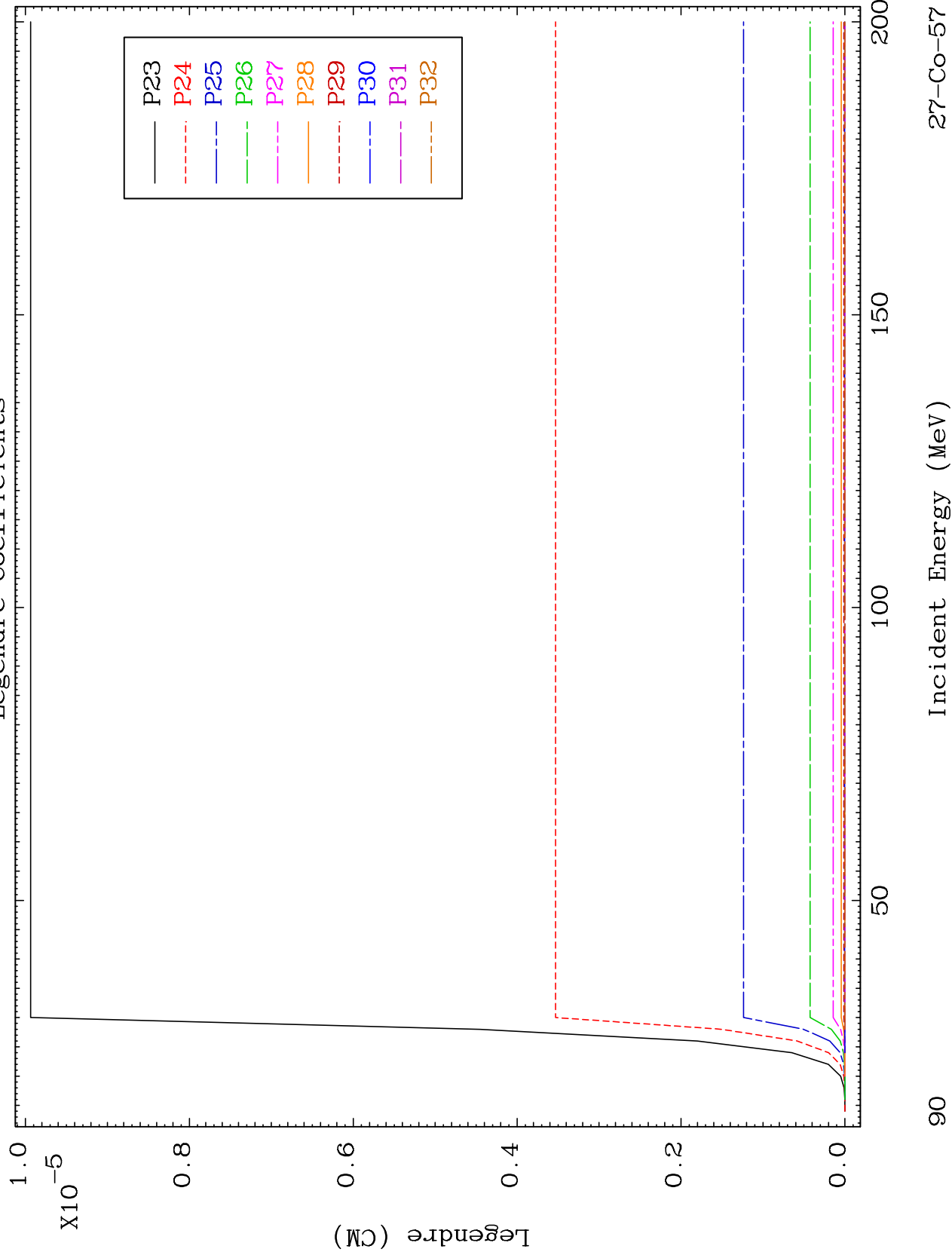




MAT 2719

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

27-Co-57



90

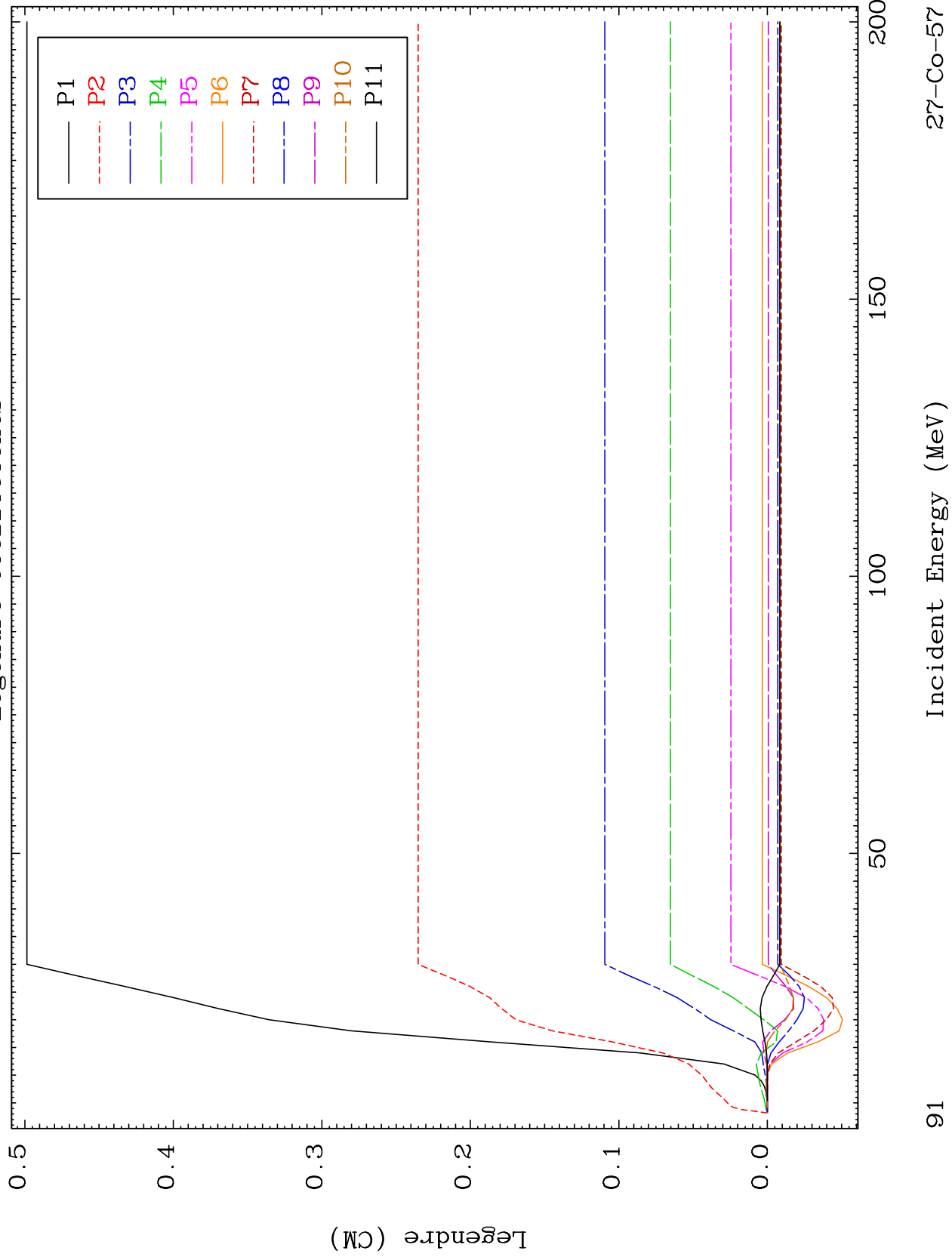
Incident Energy (MeV)

27-Co-57

MAT 2719

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

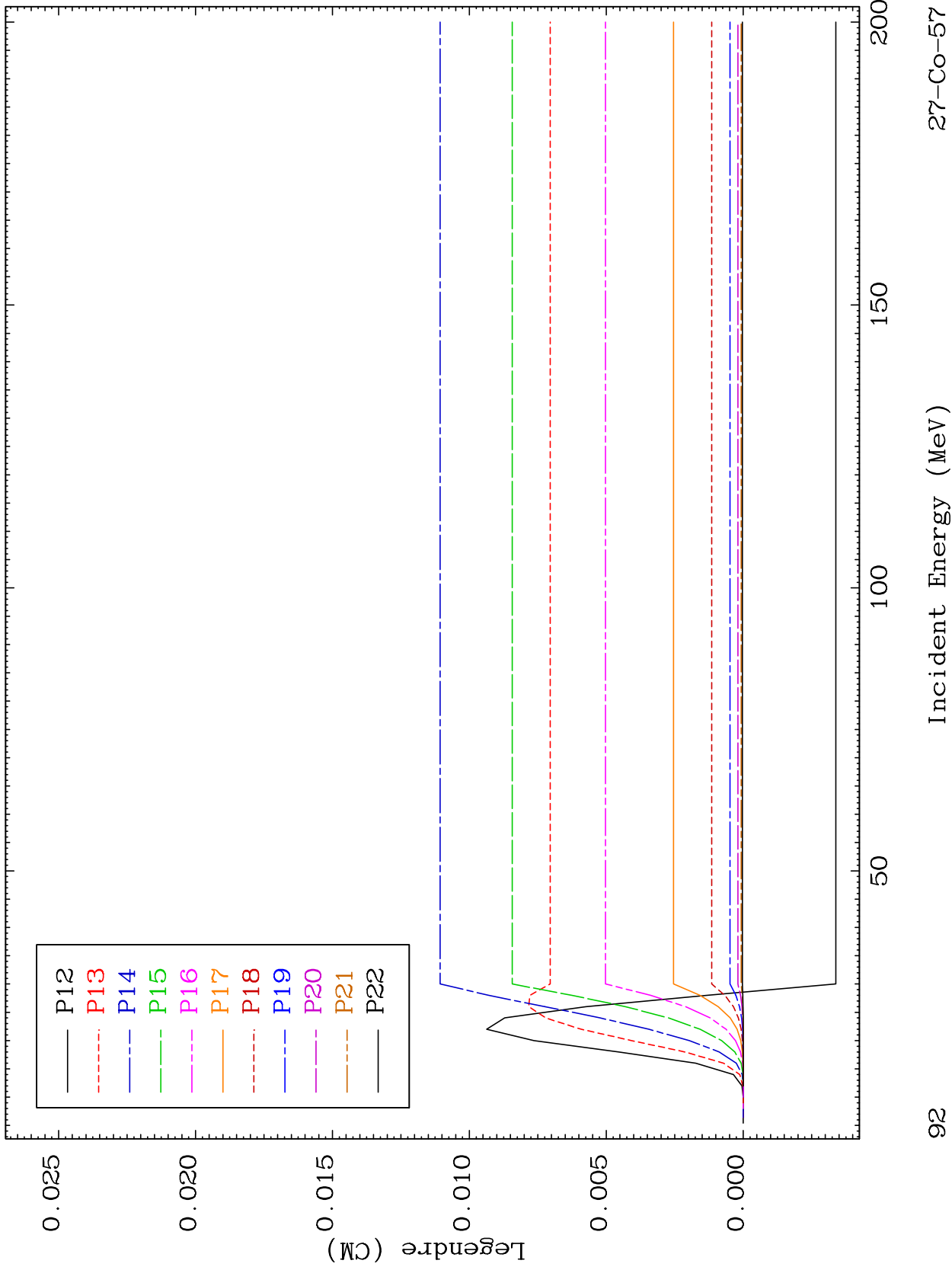
27-Co-57



91

Incident Energy (MeV)

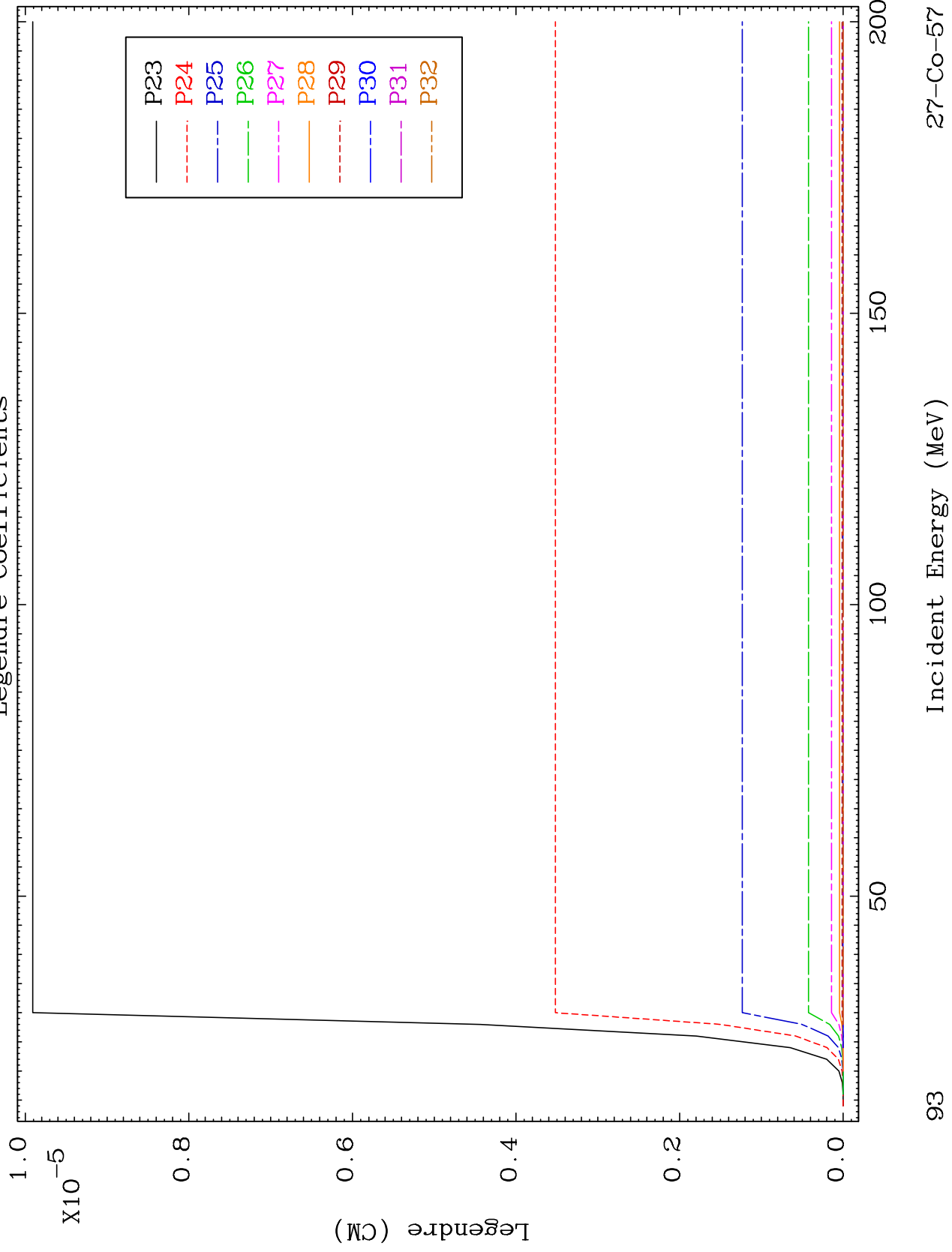
27-Co-57



MAT 2719

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

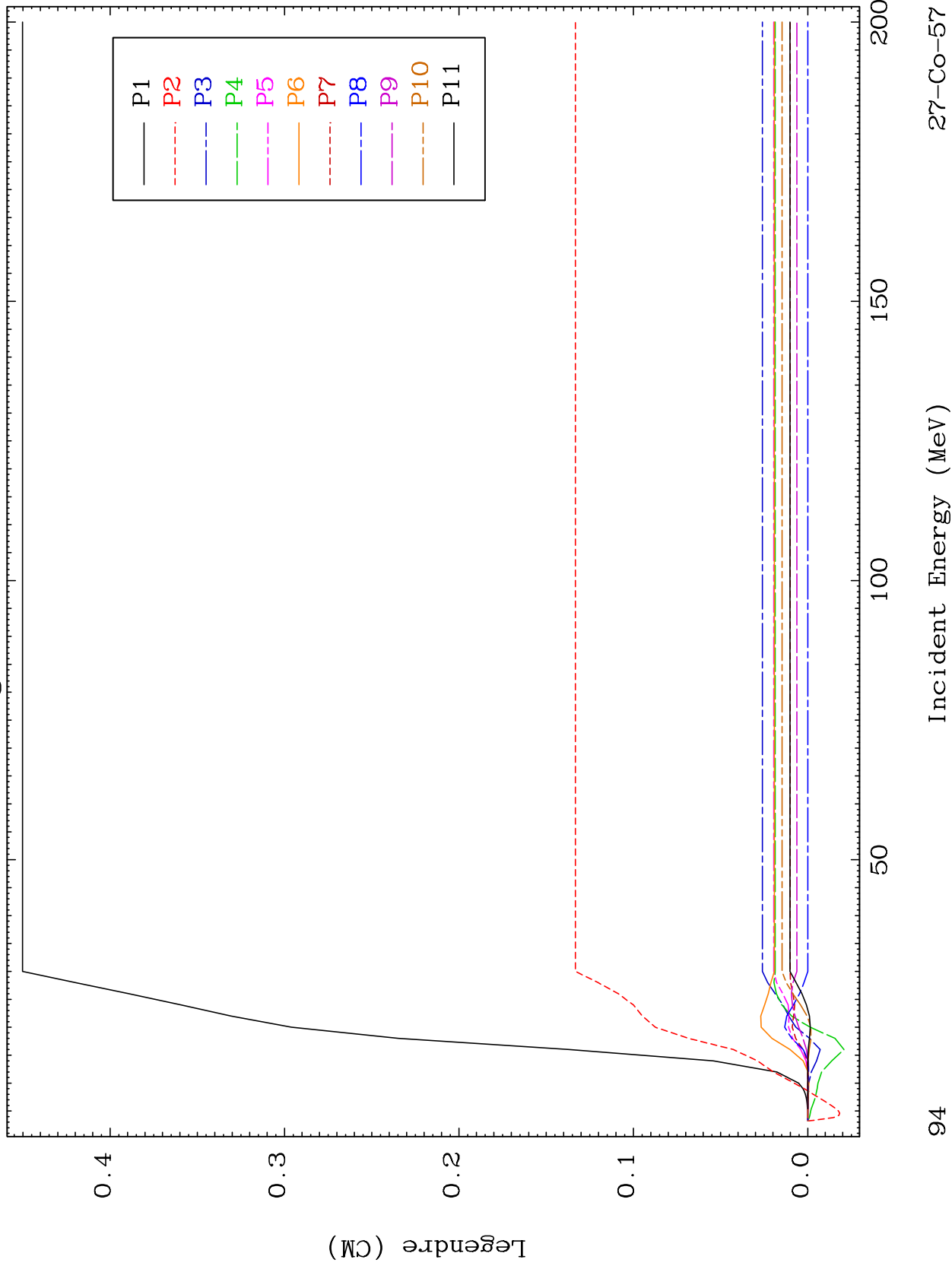
27-Co-57



MAT 2719

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

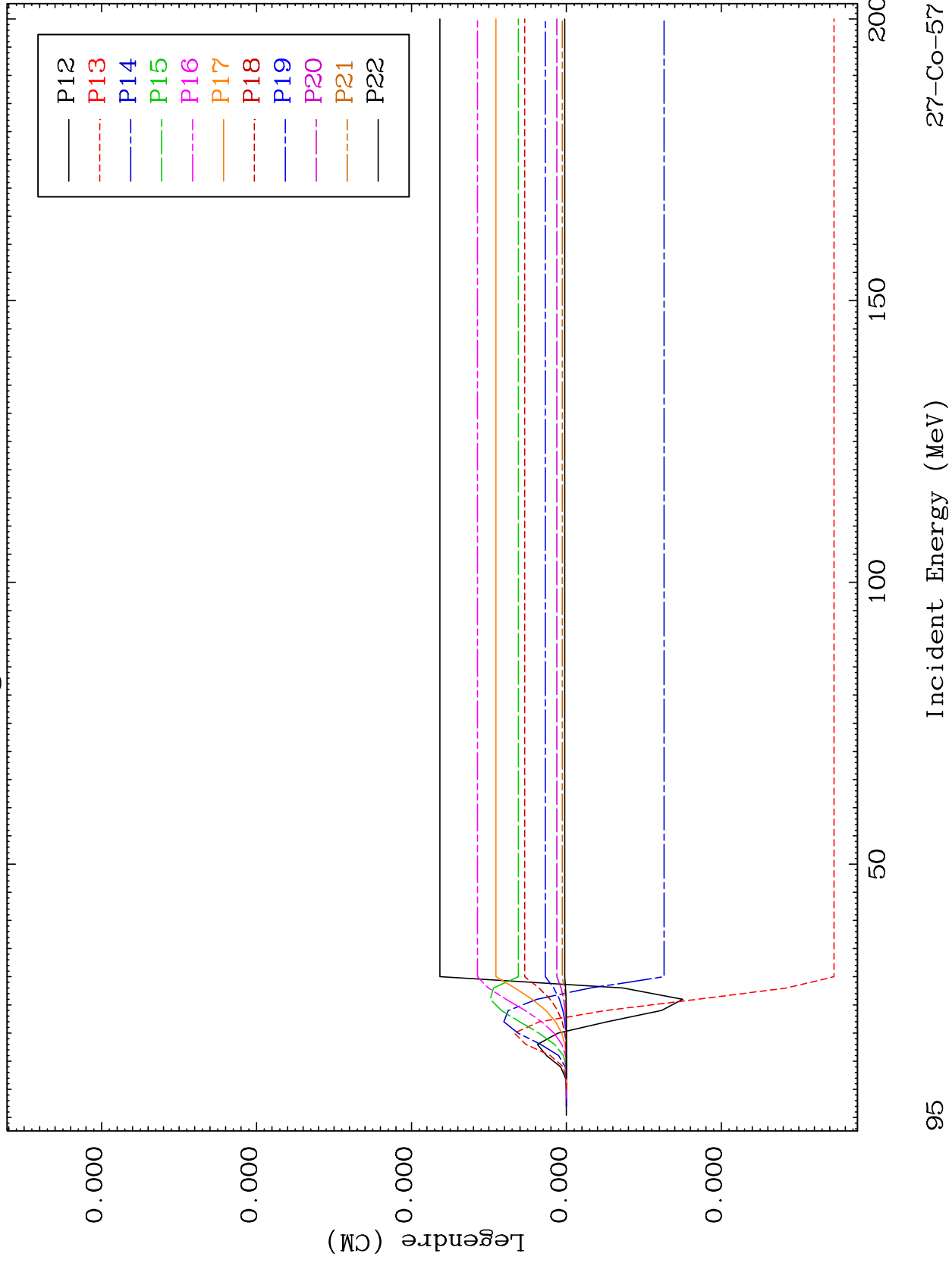
27-Co-57



MAT 2719

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

27-Co-57



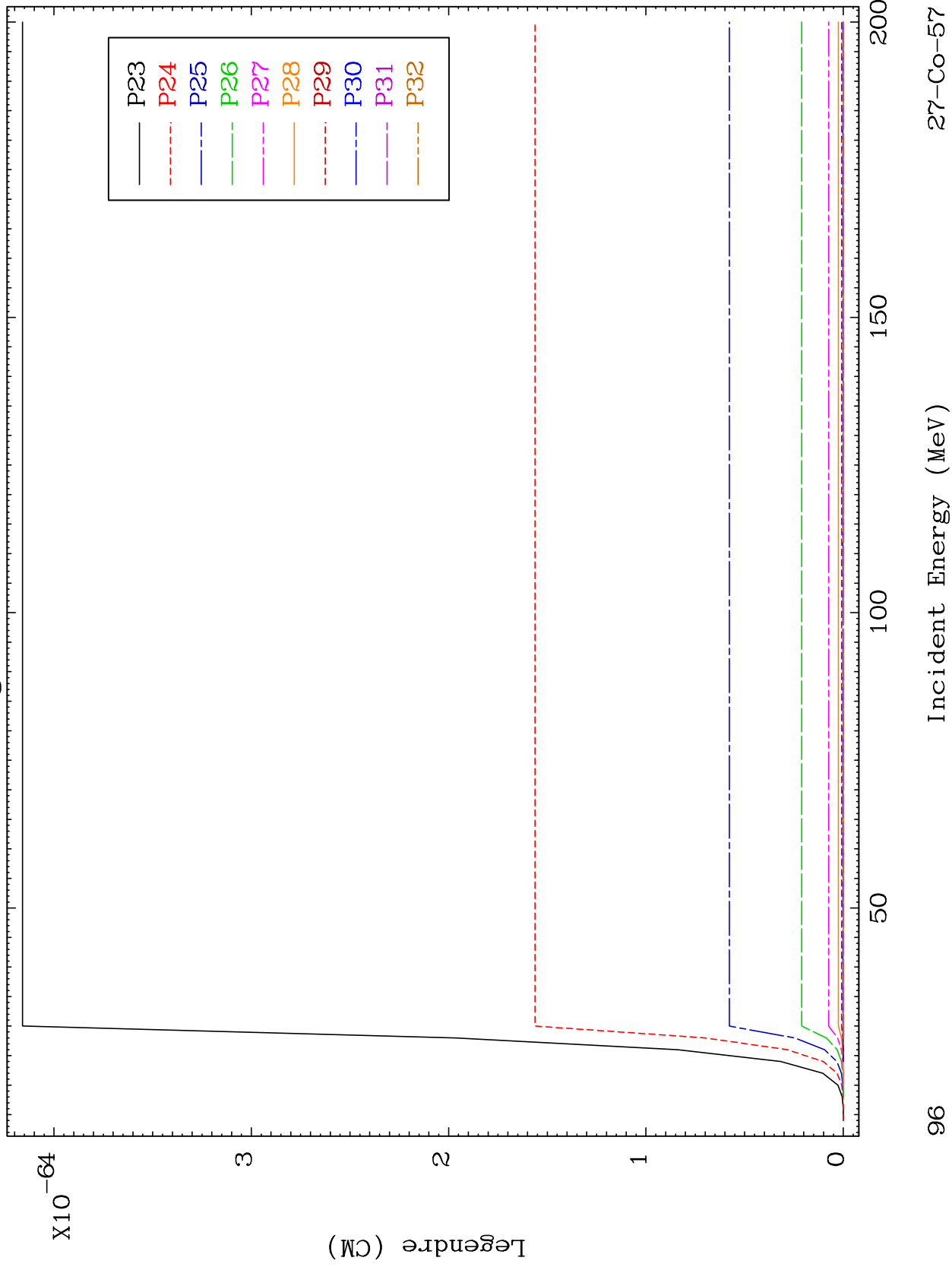
95

27-Co-57

MAT 2719

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

27-Co-57



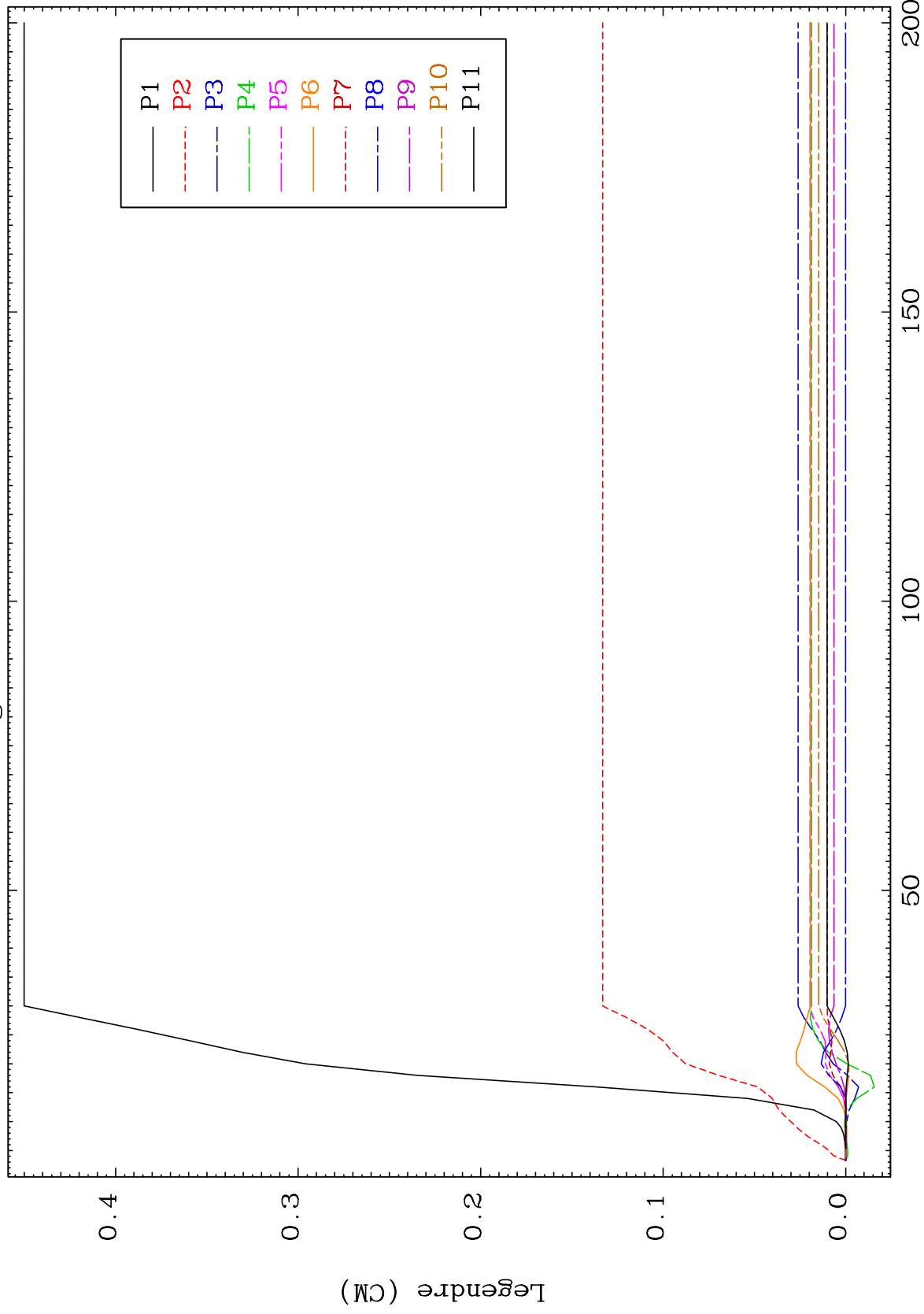
96

27-Co-57

MAT 2719

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

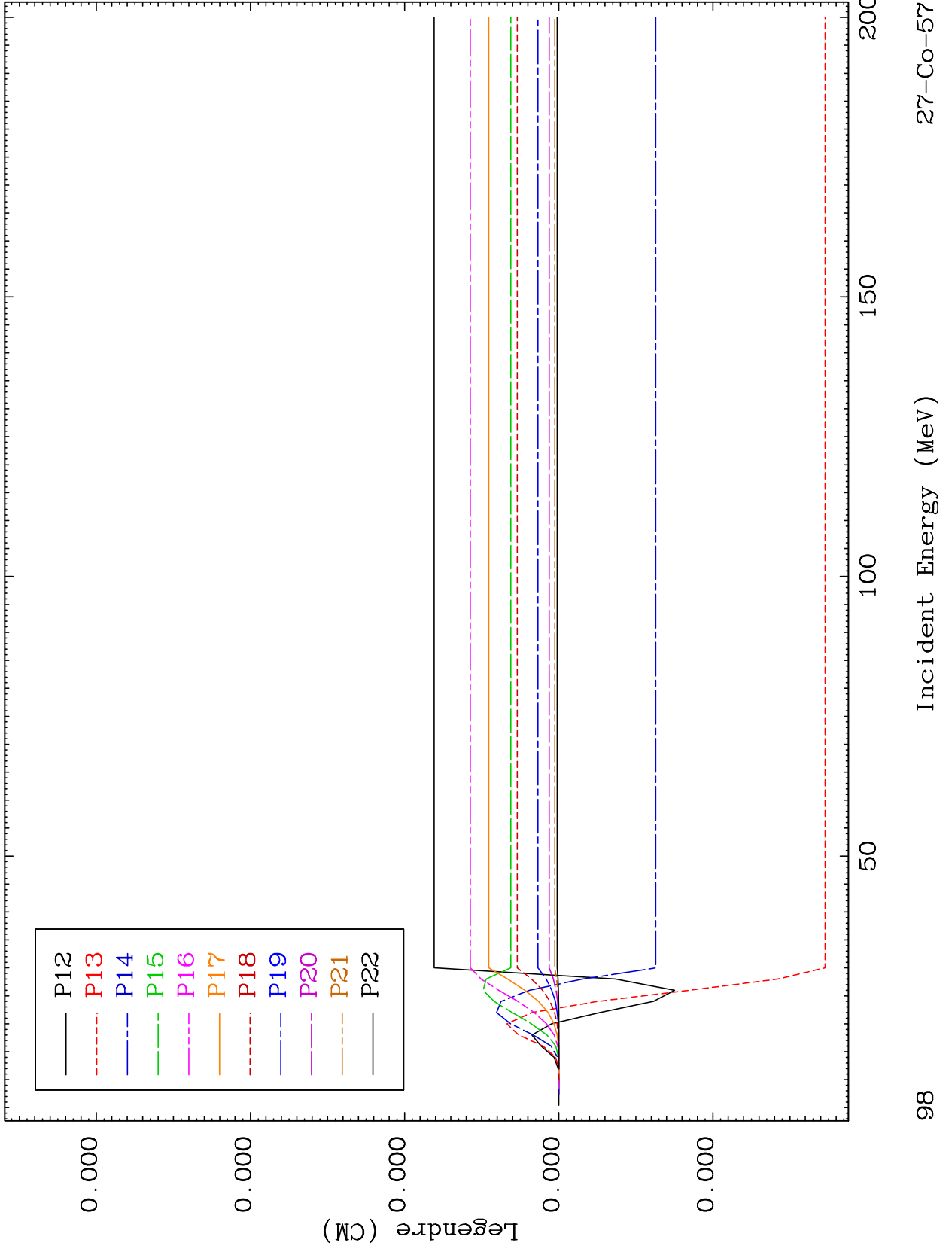
27-Co-57



97

Incident Energy (MeV)

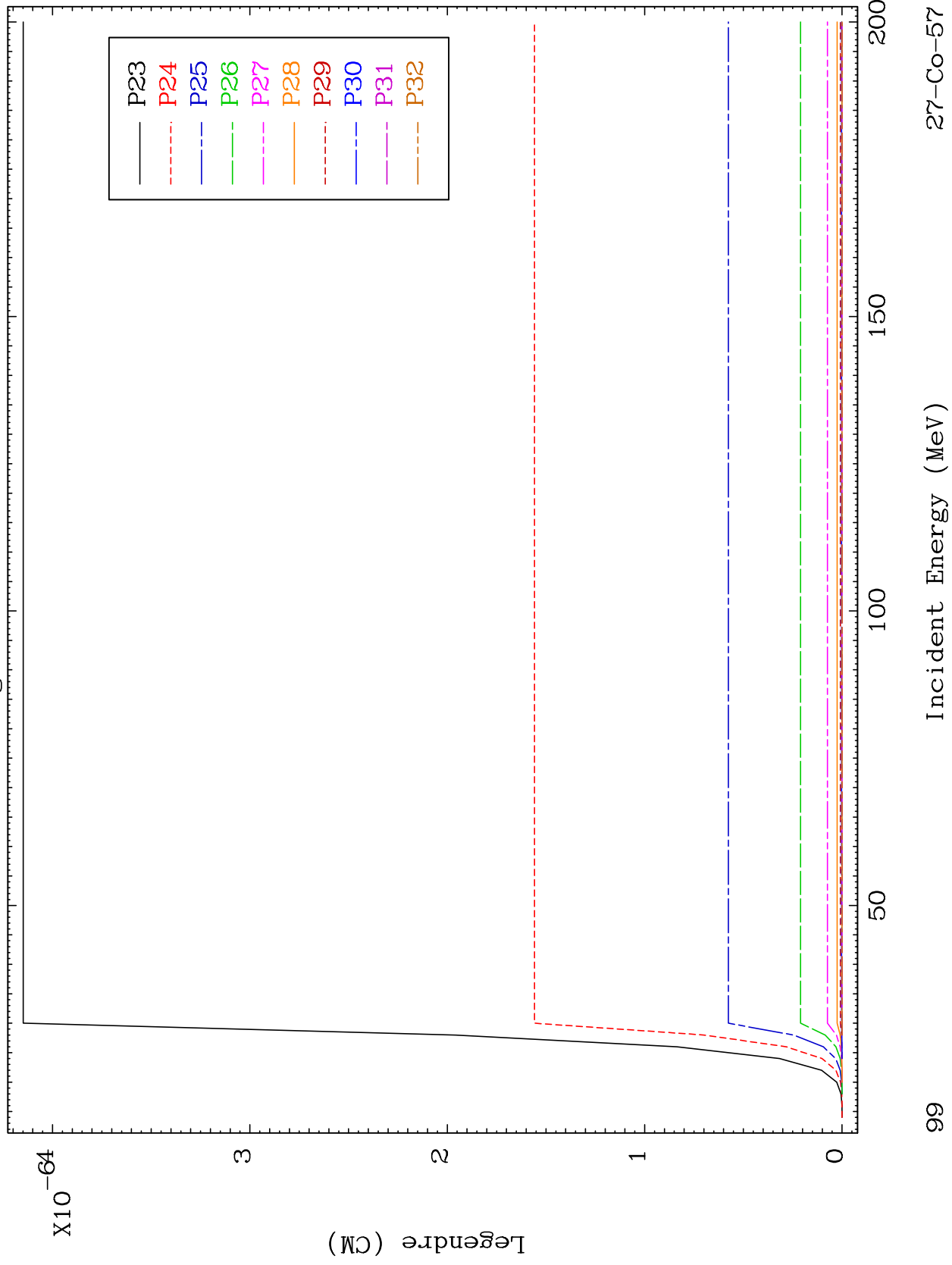
27-Co-57



MAT 2719

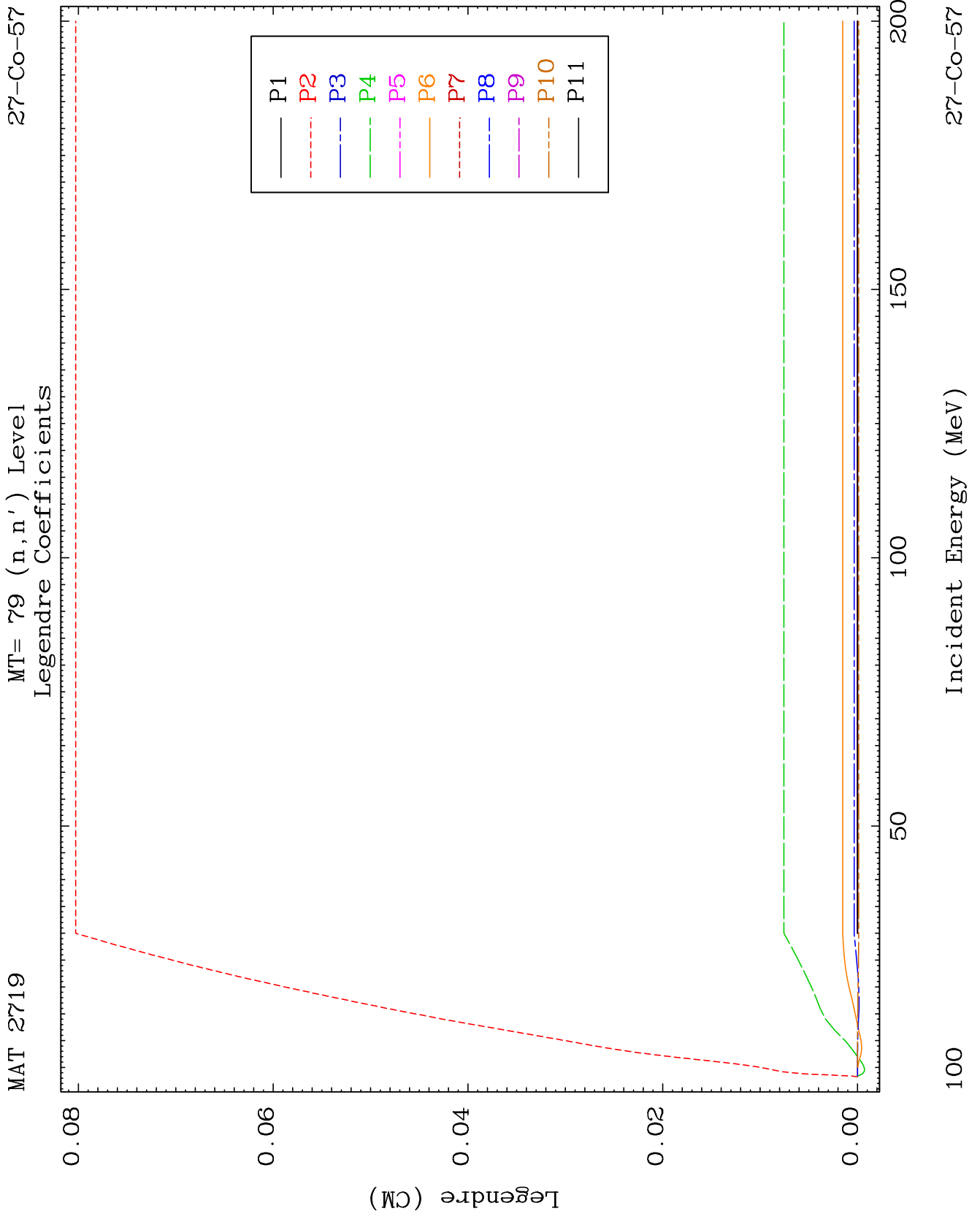
MT= 78 (n,n') Level
Legendre Coefficients

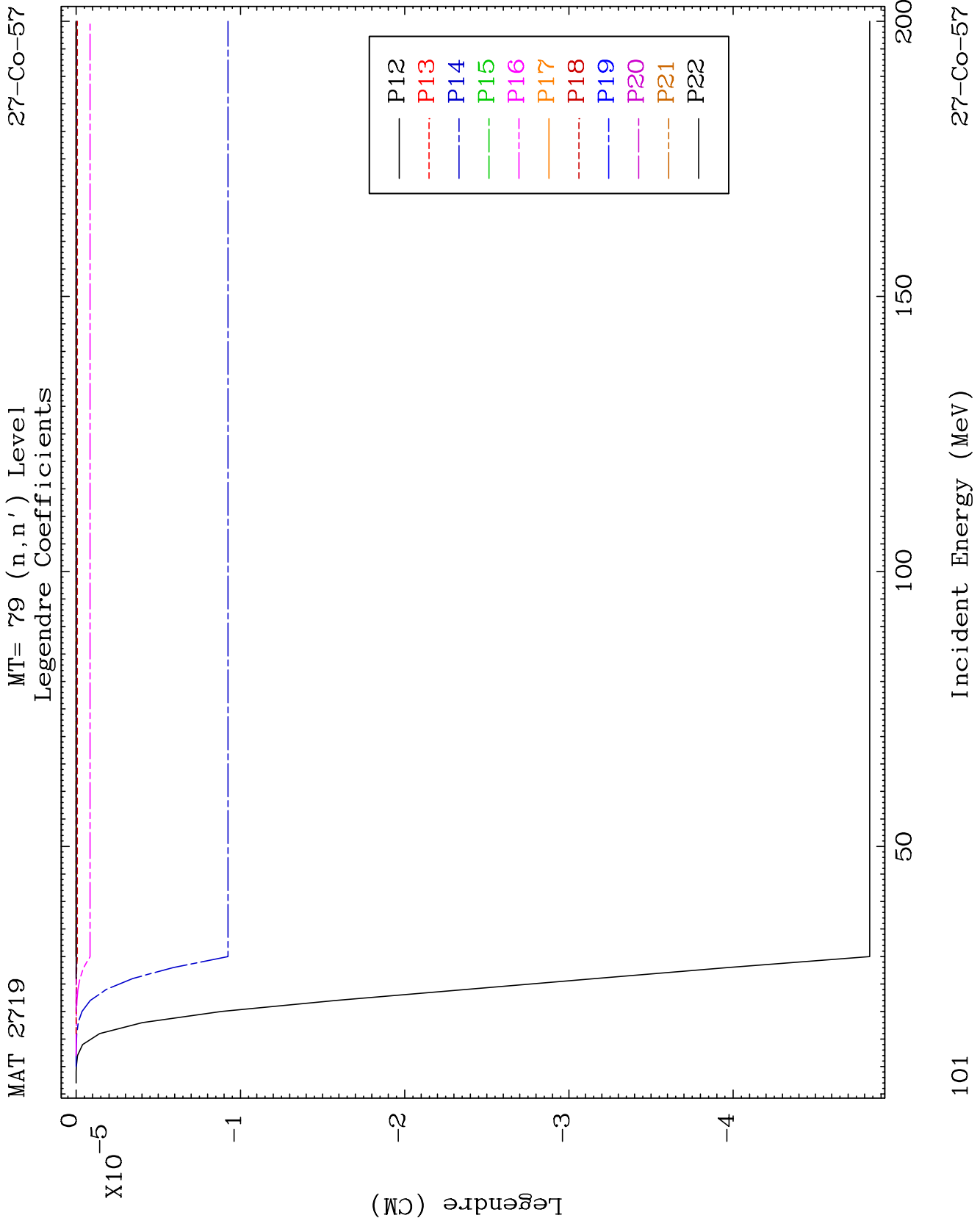
27-Co-57

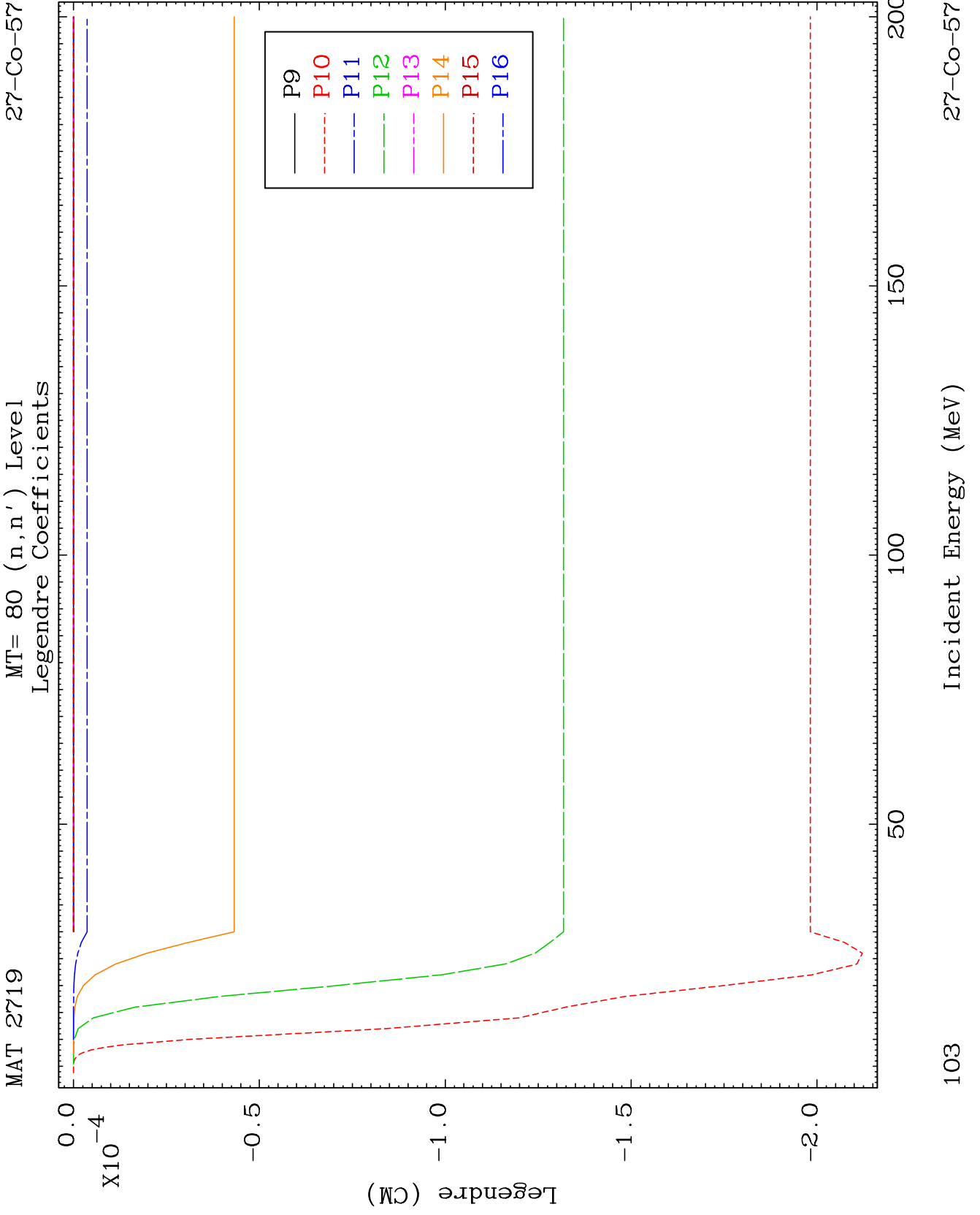


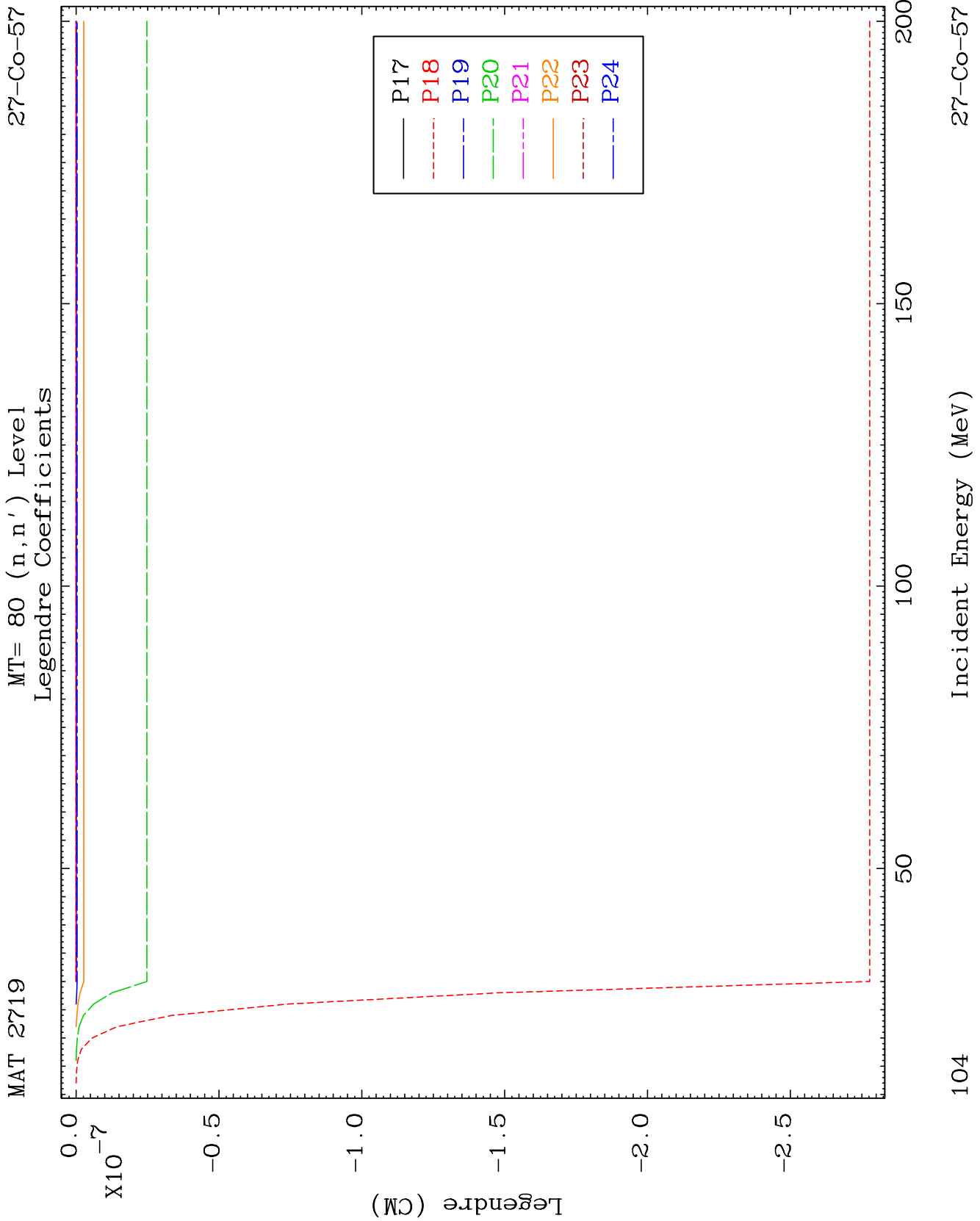
99

27-Co-57







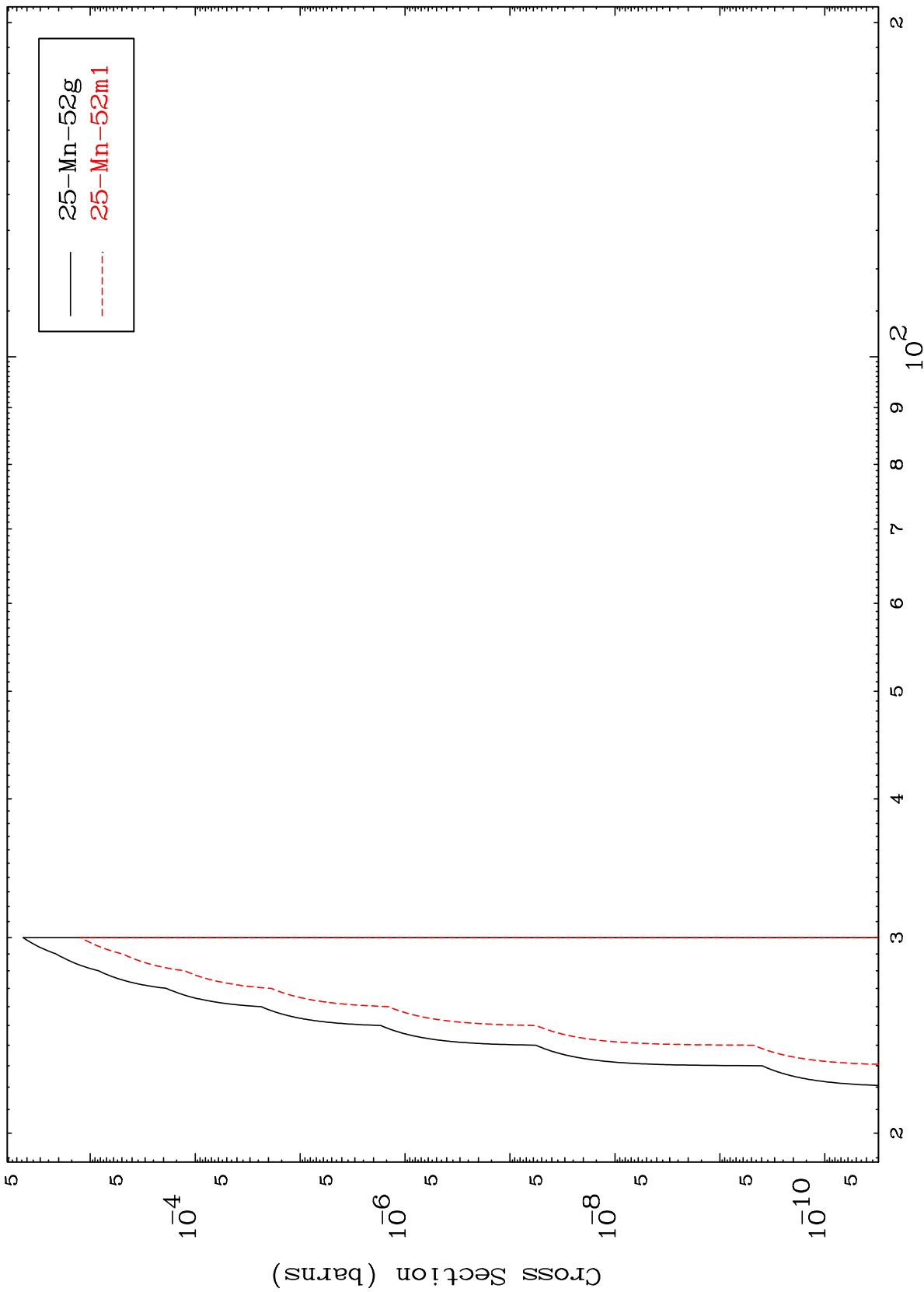


MAT 2719

(n,2n) α

27-Co-57

Radionuclide Production Cross Section



105

Incident Energy (MeV)

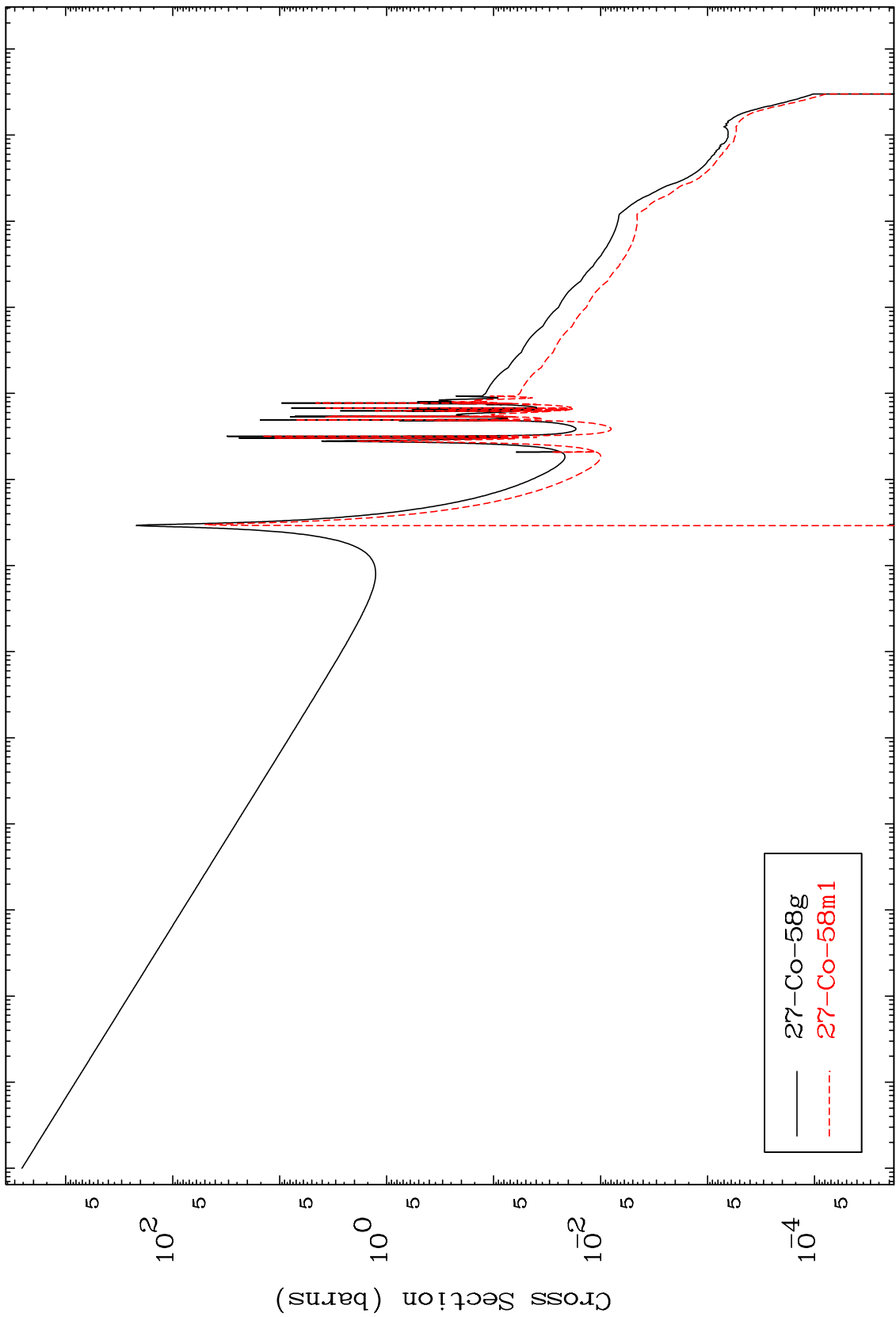
27-Co-57

MAT 2719

²⁷Co-57

Radionuclide Production Cross Section

(n,γ)



²⁷Co-57

10⁰

10⁻²

10⁻⁴

10⁻⁶

10⁻⁸

10⁻¹⁰

10²

Incident Energy (MeV)

²⁷Co-57

— 27-Co-58g
- - - 27-Co-58m1