

Program EVALPLOT
(Version 2021-1)

by

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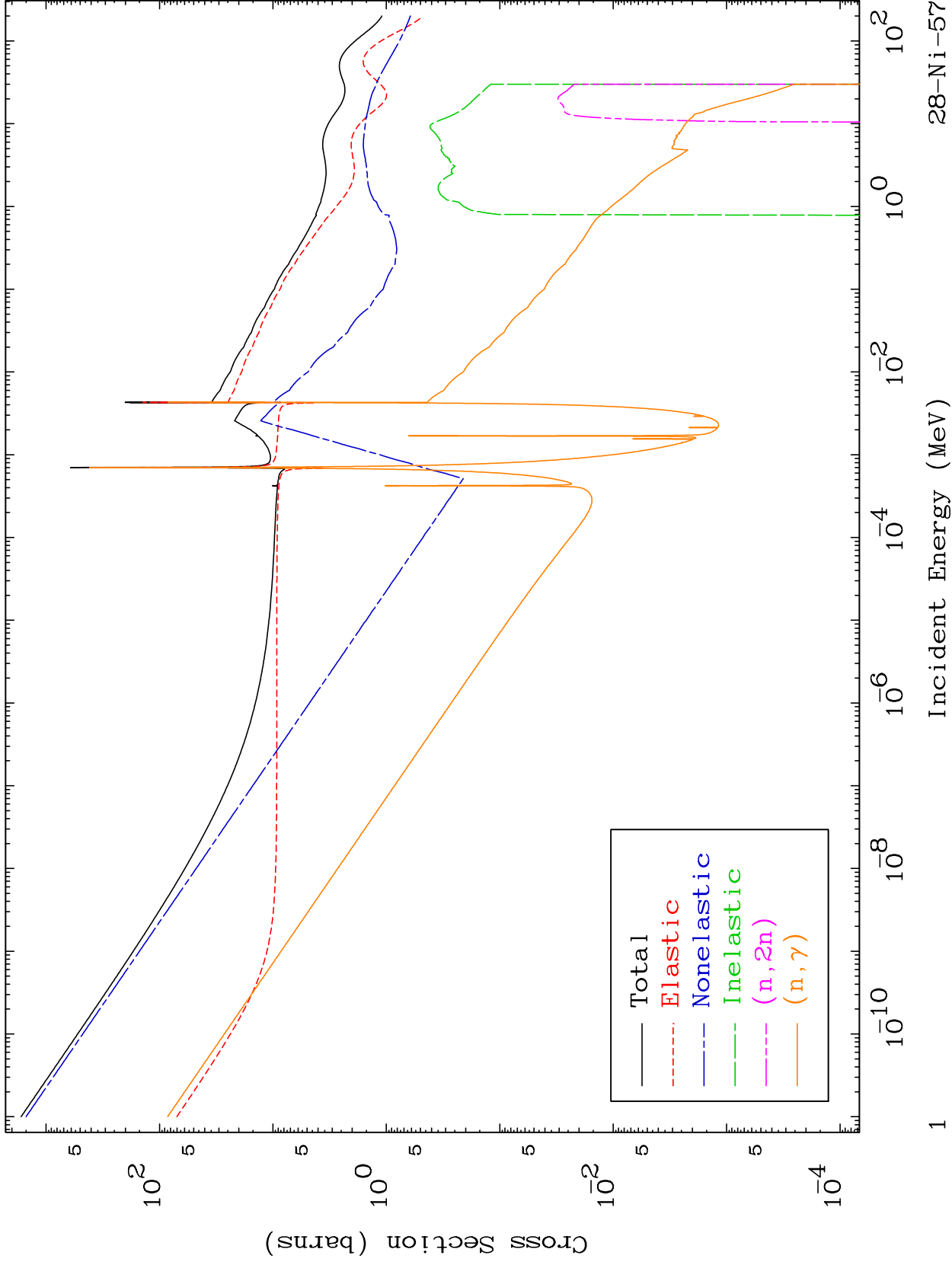
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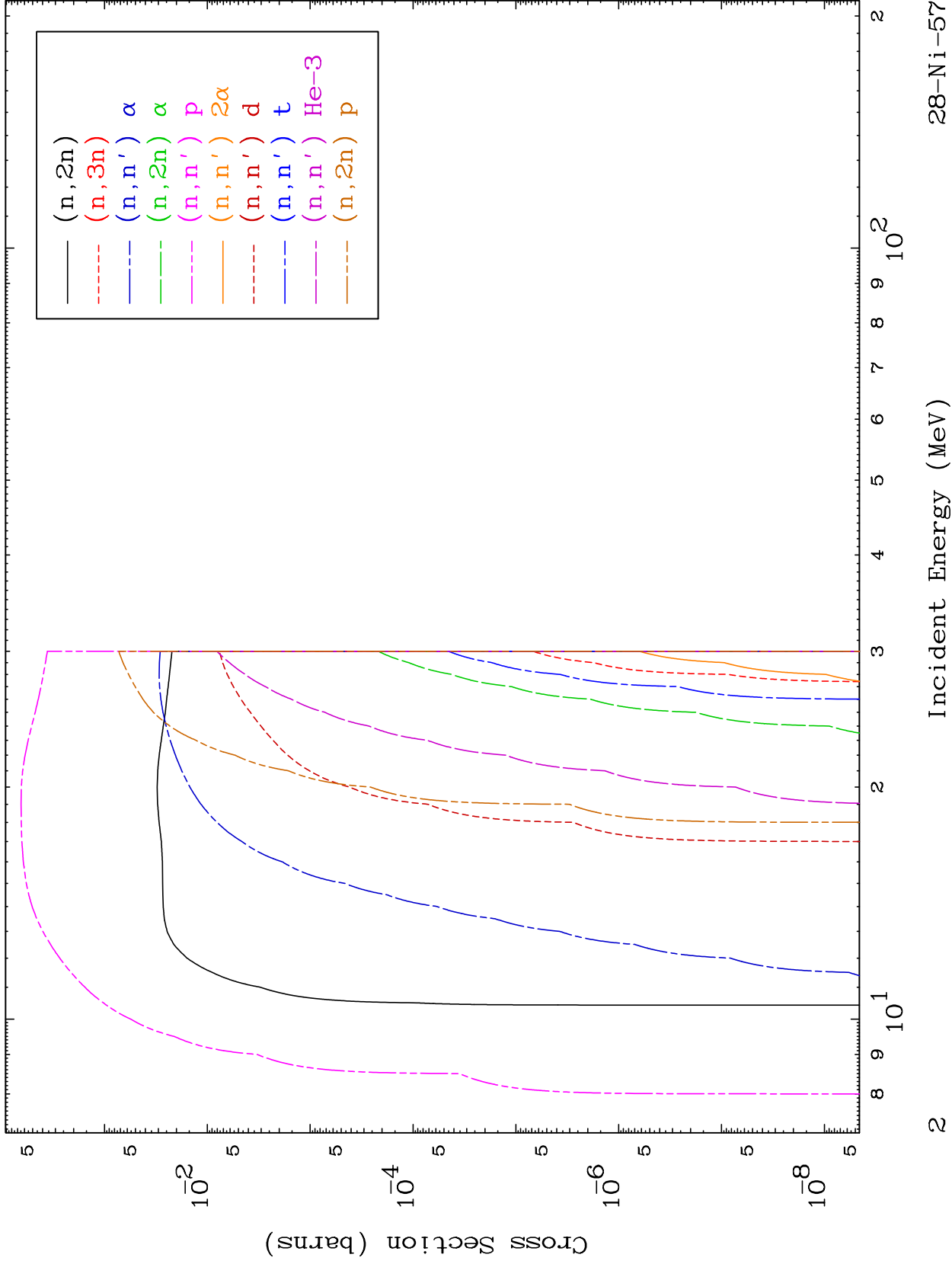
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MAT 2822

Neutron Major
293 Kelvin Cross Sections

28-Ni-57

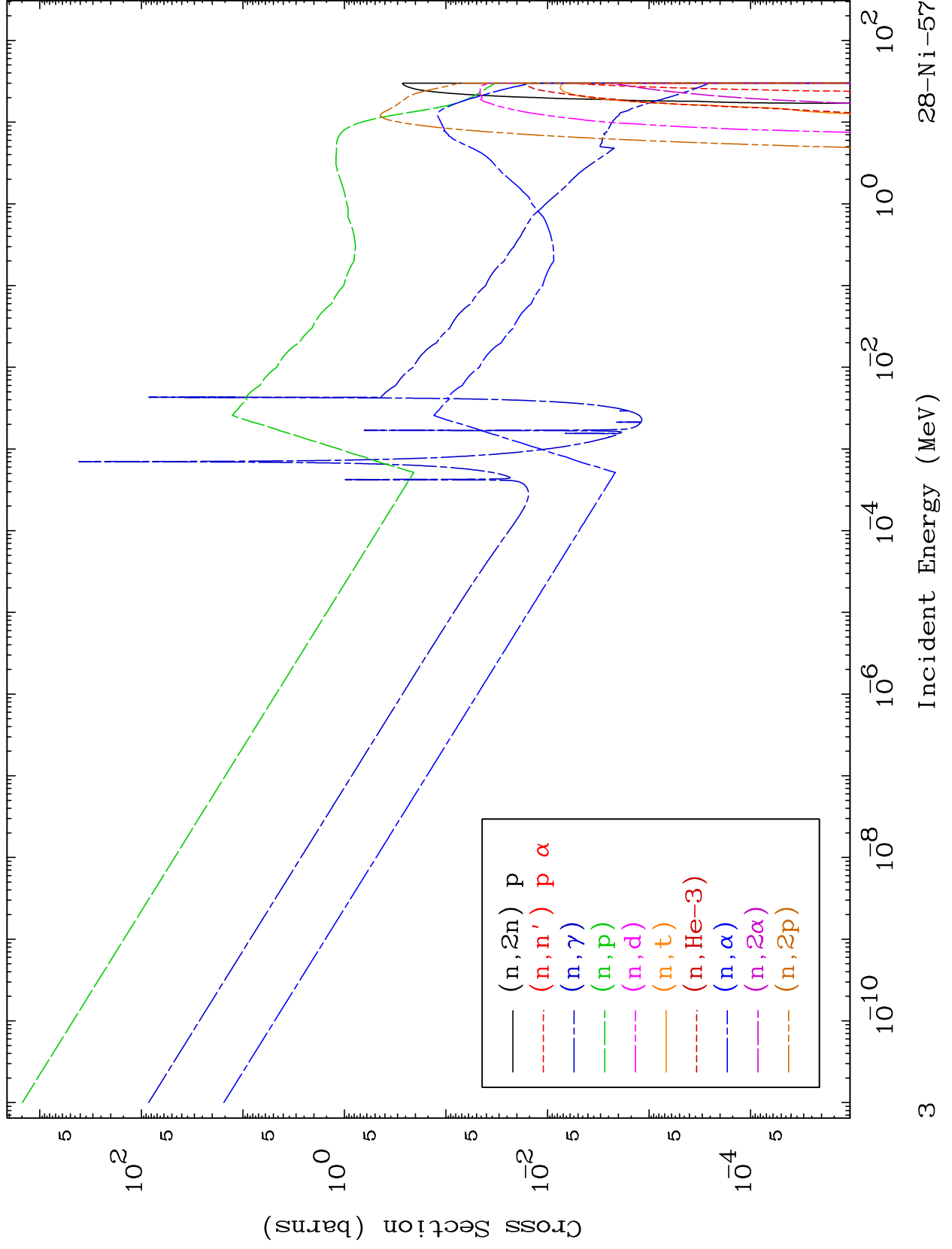




MAT 2822

Neutron Absorption
293 Kelvin Cross Sections

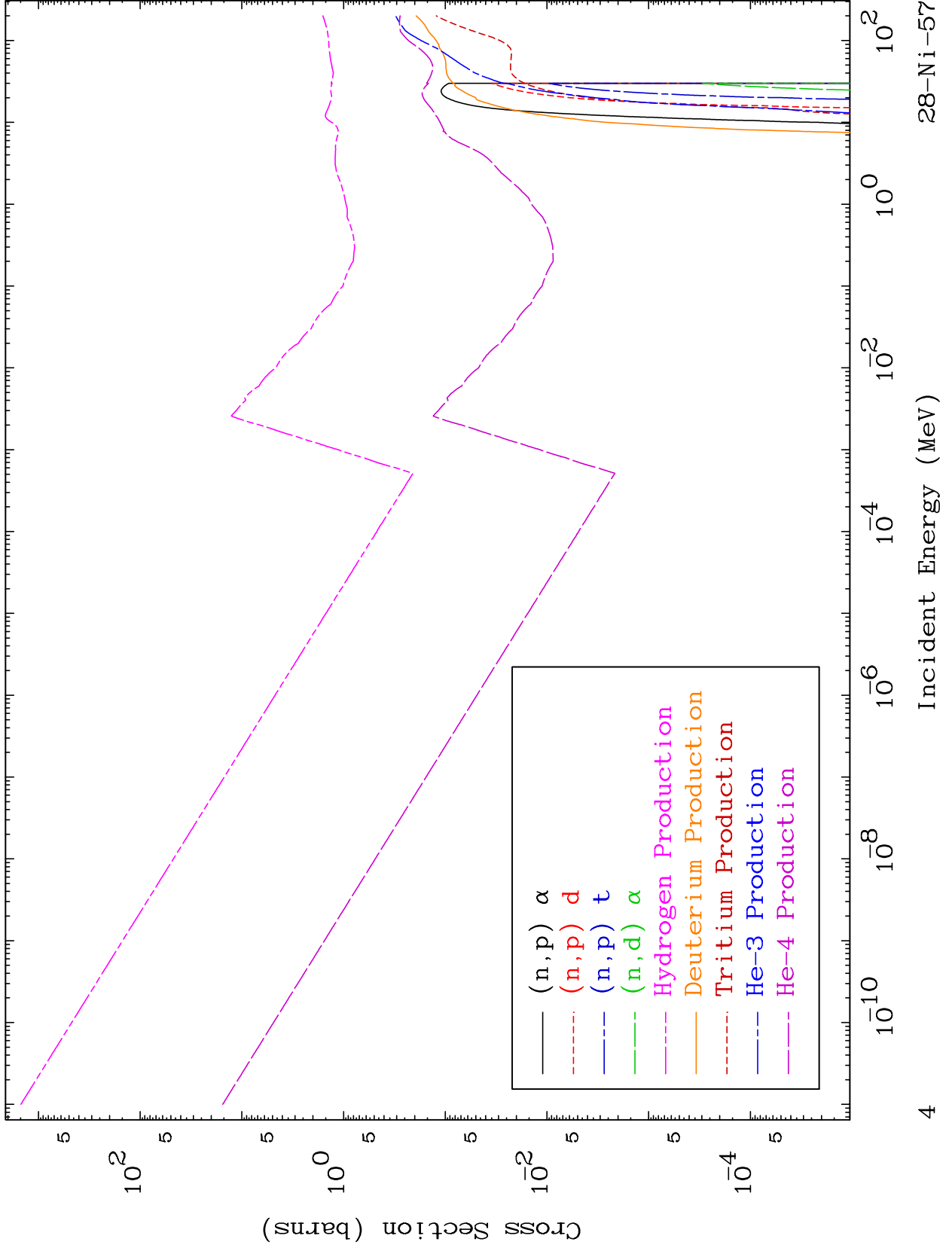
28-Ni-57



MAT 2822

Neutron Absorption
293 Kelvin Cross Sections

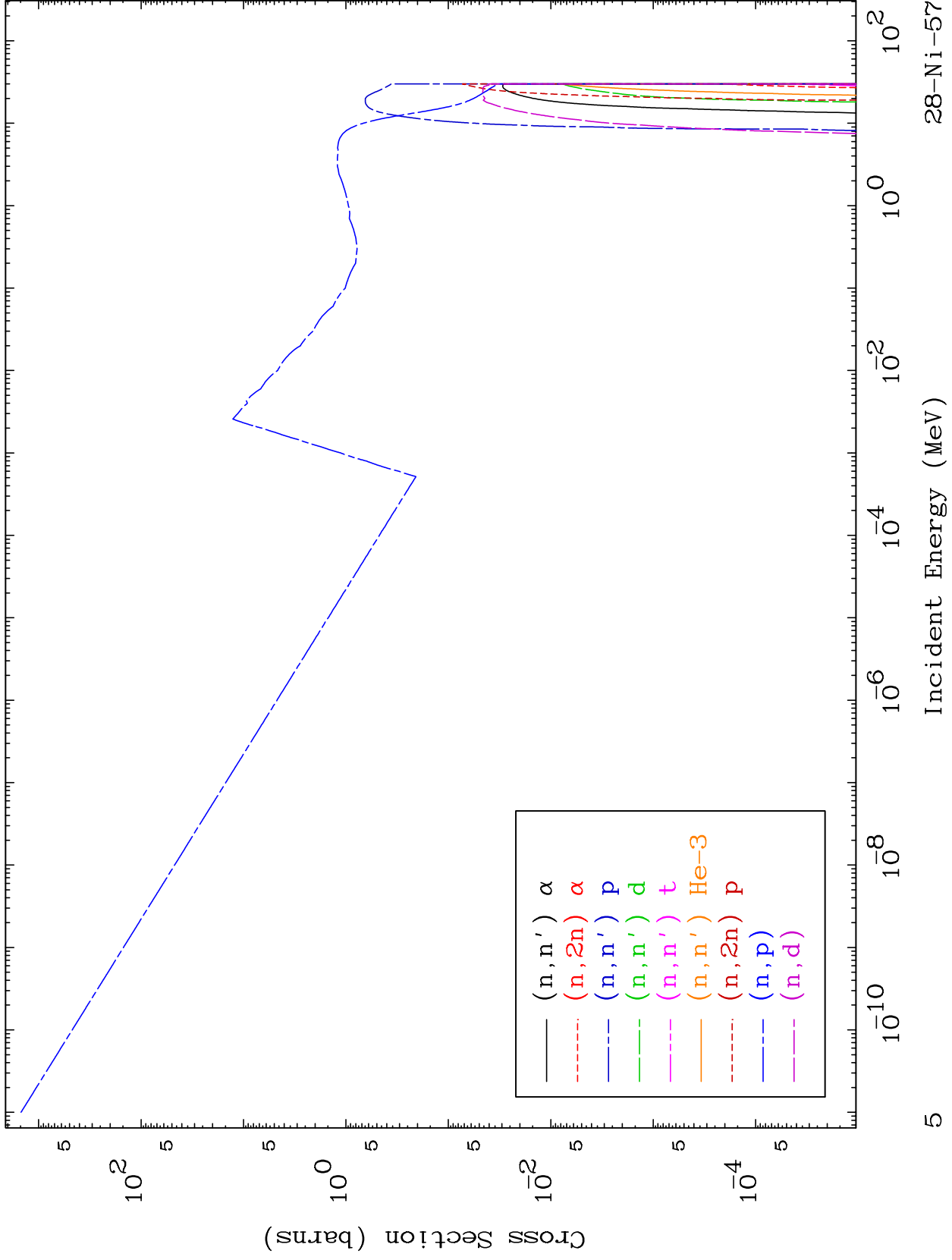
28-Ni-57



MAT 2822

Charged Particle
293 Kelvin Cross Sections

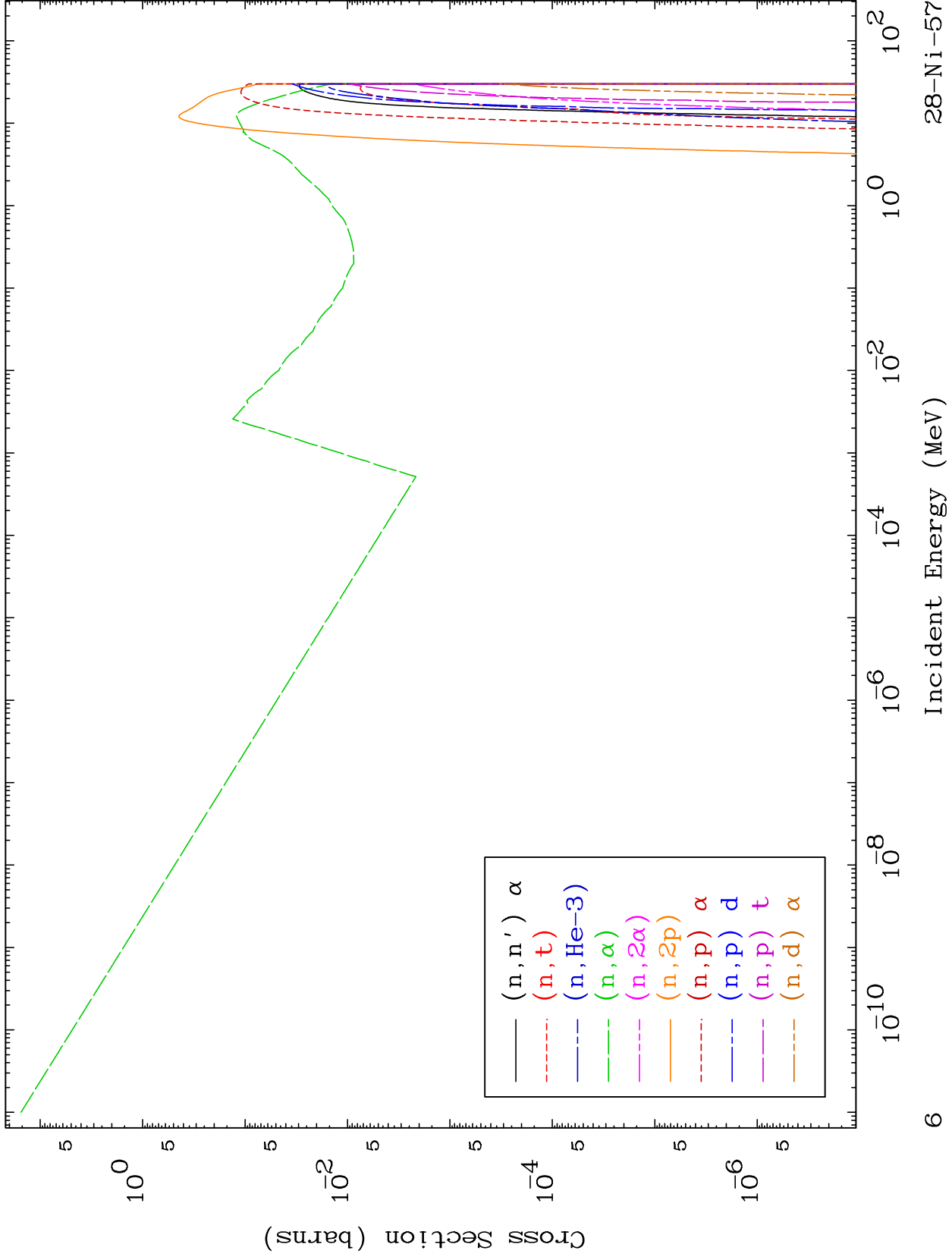
28-Ni-57



MAT 2822

Charged Particle
293 Kelvin Cross Sections

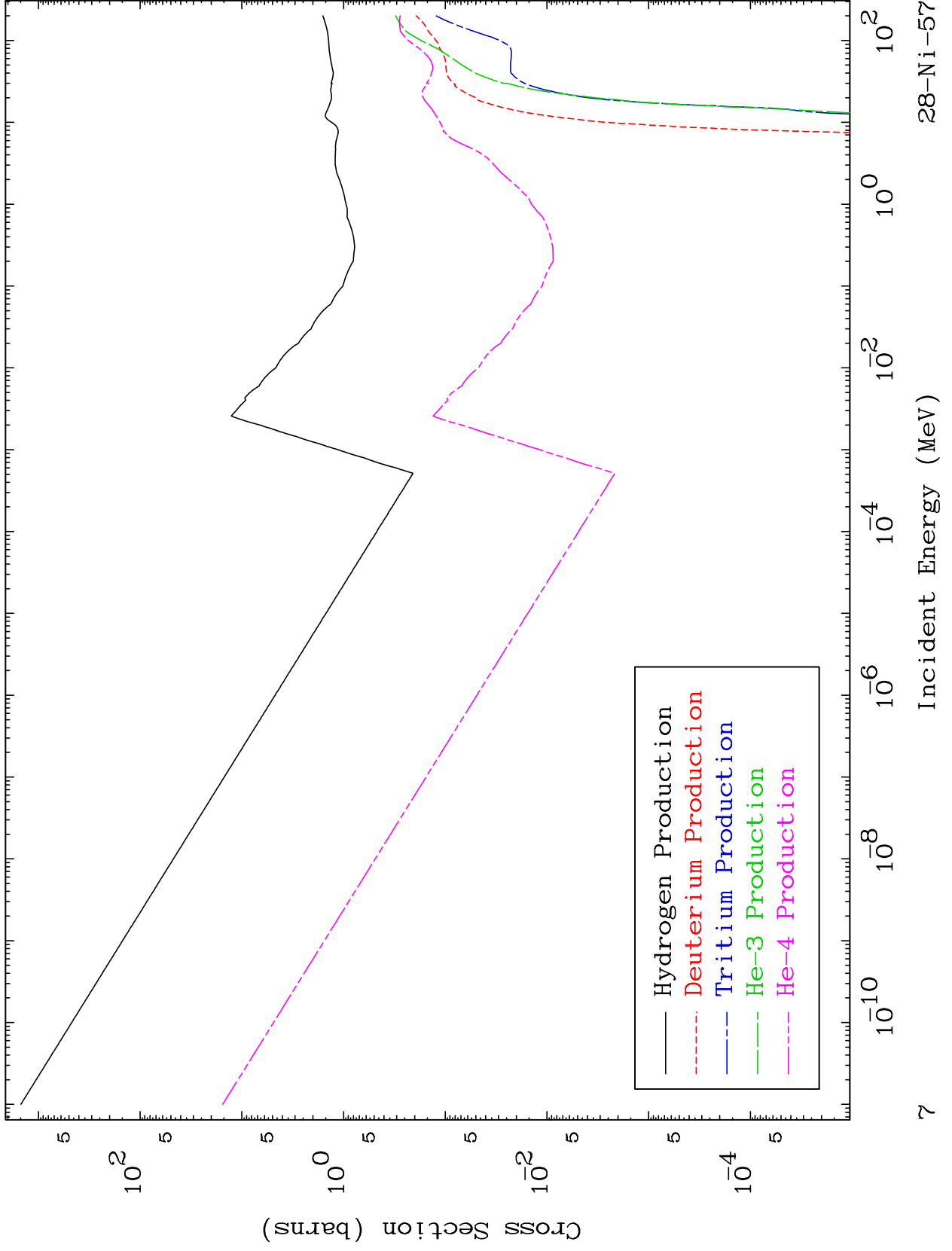
28-Ni-57



MAT 2822

Particle Production
293 Kelvin Cross Sections

28-Ni-57

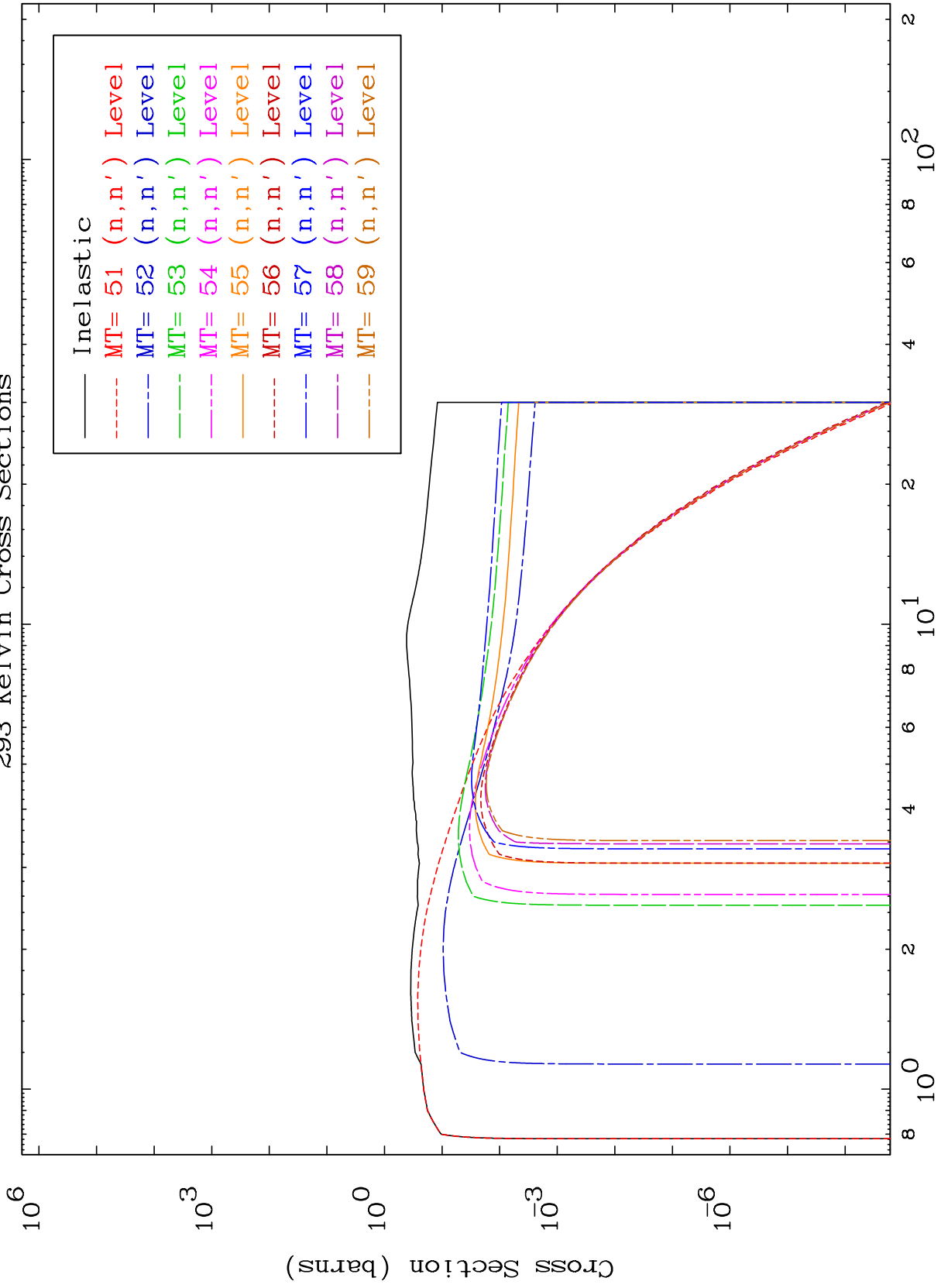


MAT 2822

(n,n') Levels

28-Ni-57

293 Kelvin Cross Sections



Incident Energy (MeV)

28-Ni-57

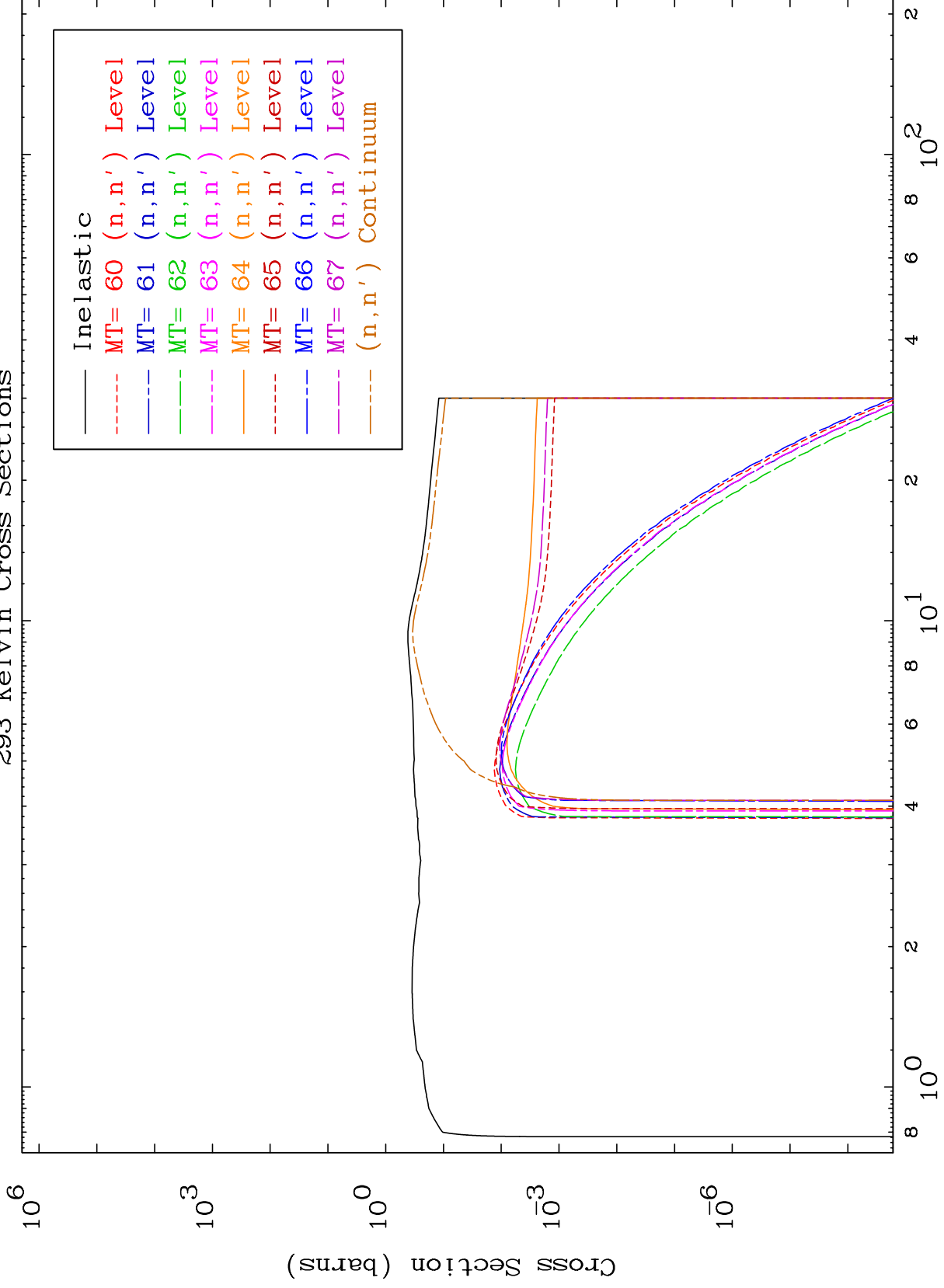
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MAT 2822

(n,n') Levels

28-Ni-57

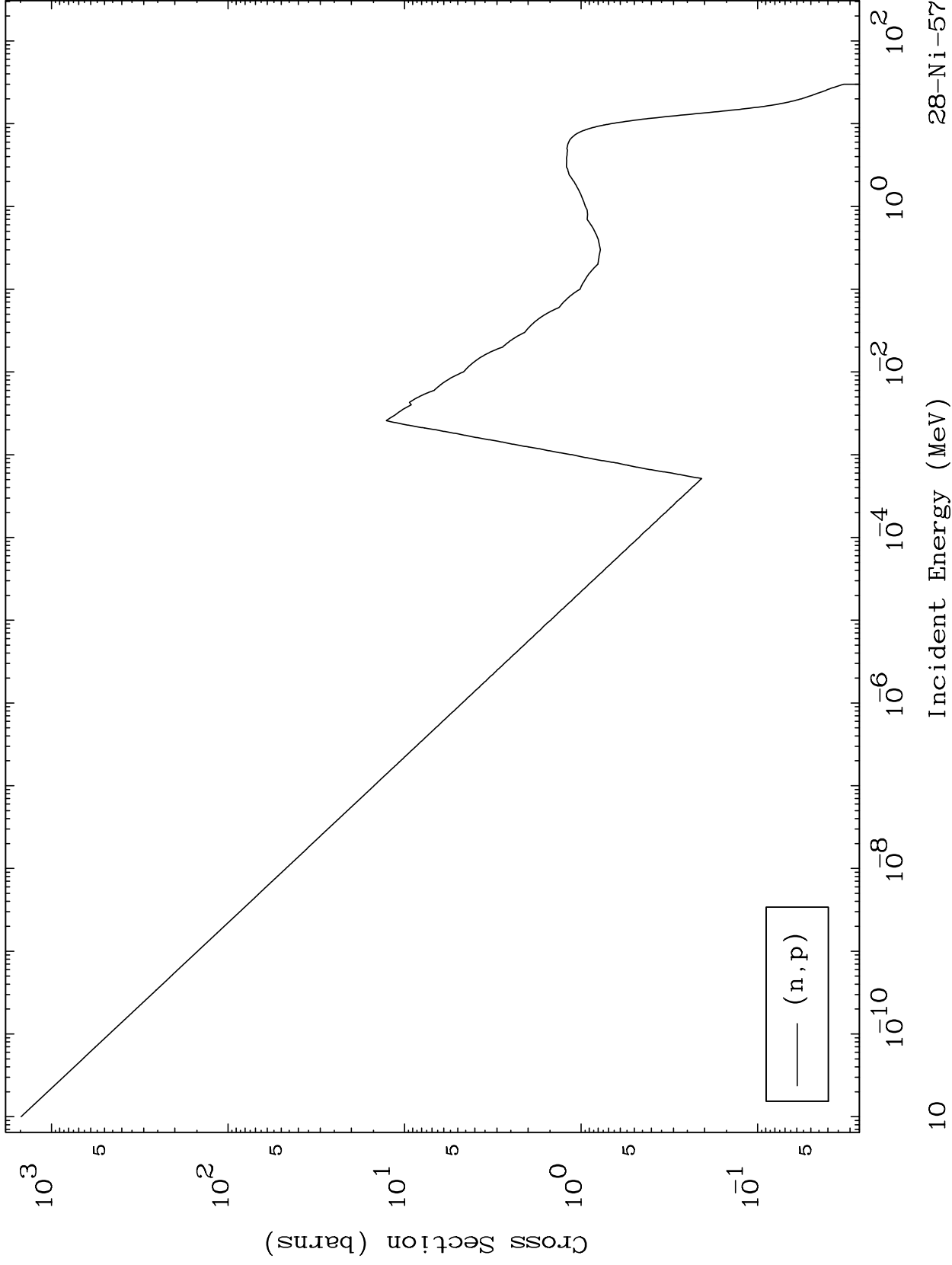
293 Kelvin Cross Sections



MAT 2822

(n,p) Levels
293 Kelvin Cross Sections

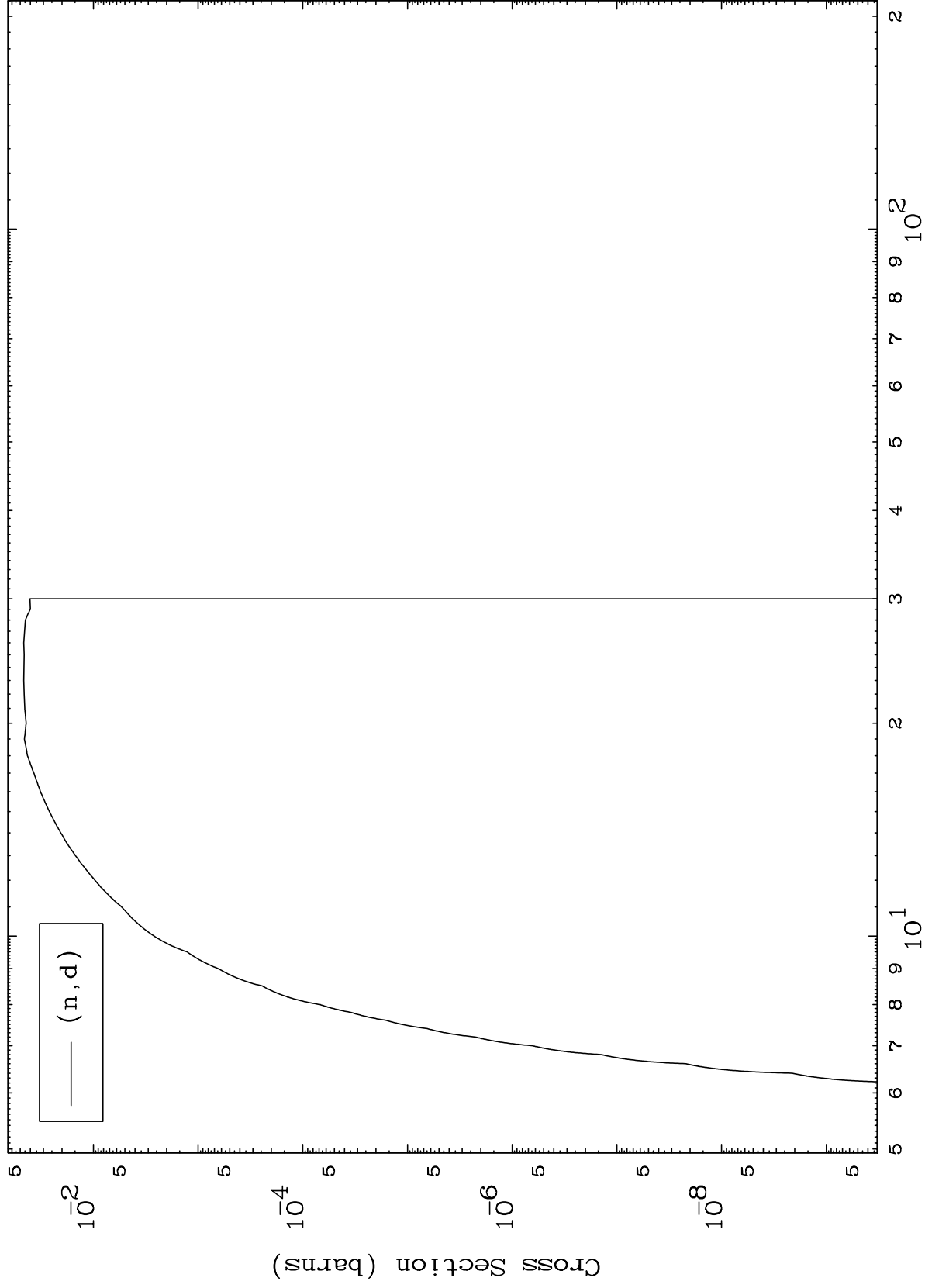
28-Ni-57



MAT 2822

(n,d) Levels
293 Kelvin Cross Sections

28-Ni-57



11

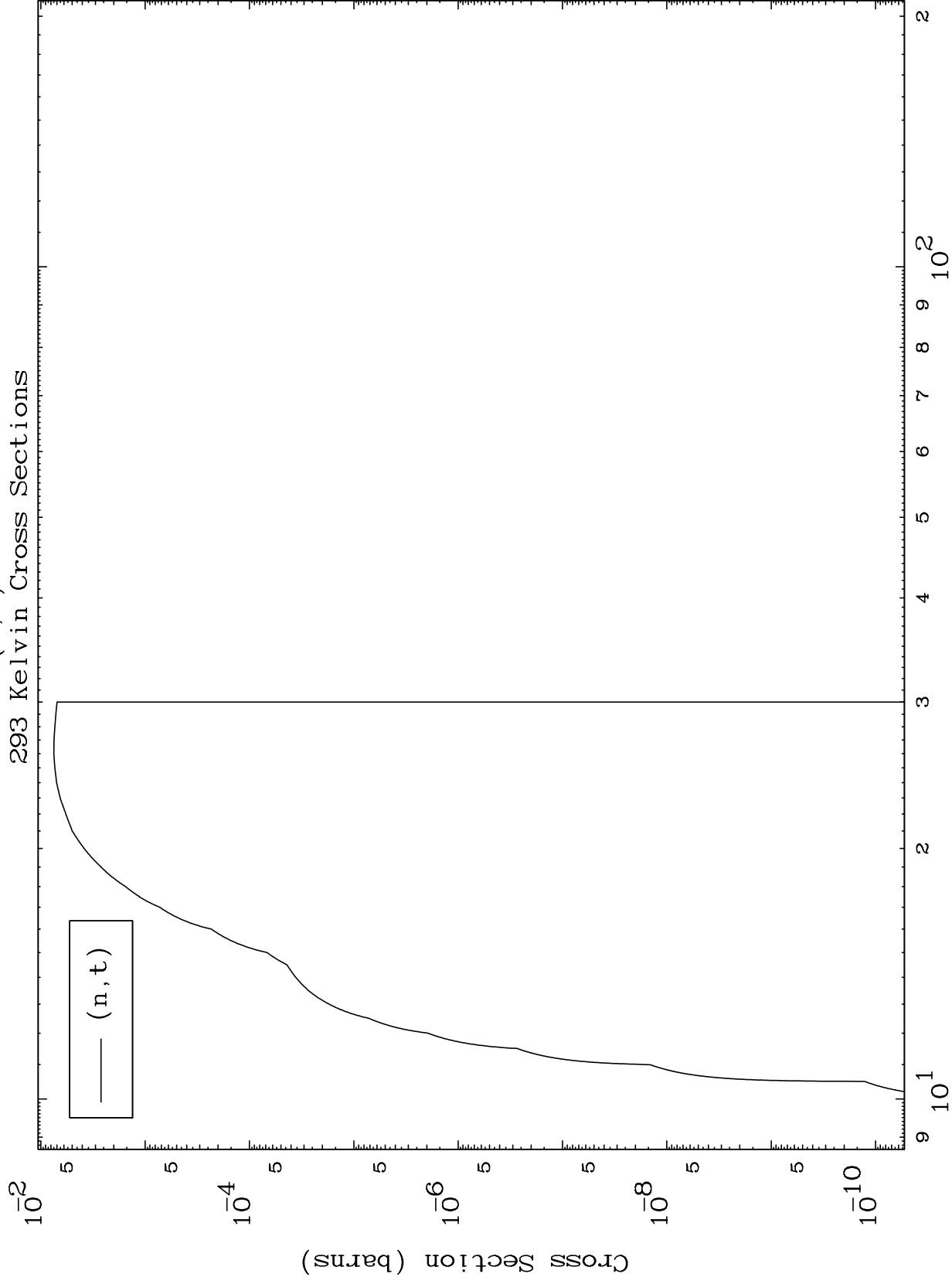
Incident Energy (MeV)

28-Ni-57

MAT 2822

(n,t) Levels
293 Kelvin Cross Sections

28-Ni-57



Incident Energy (MeV)

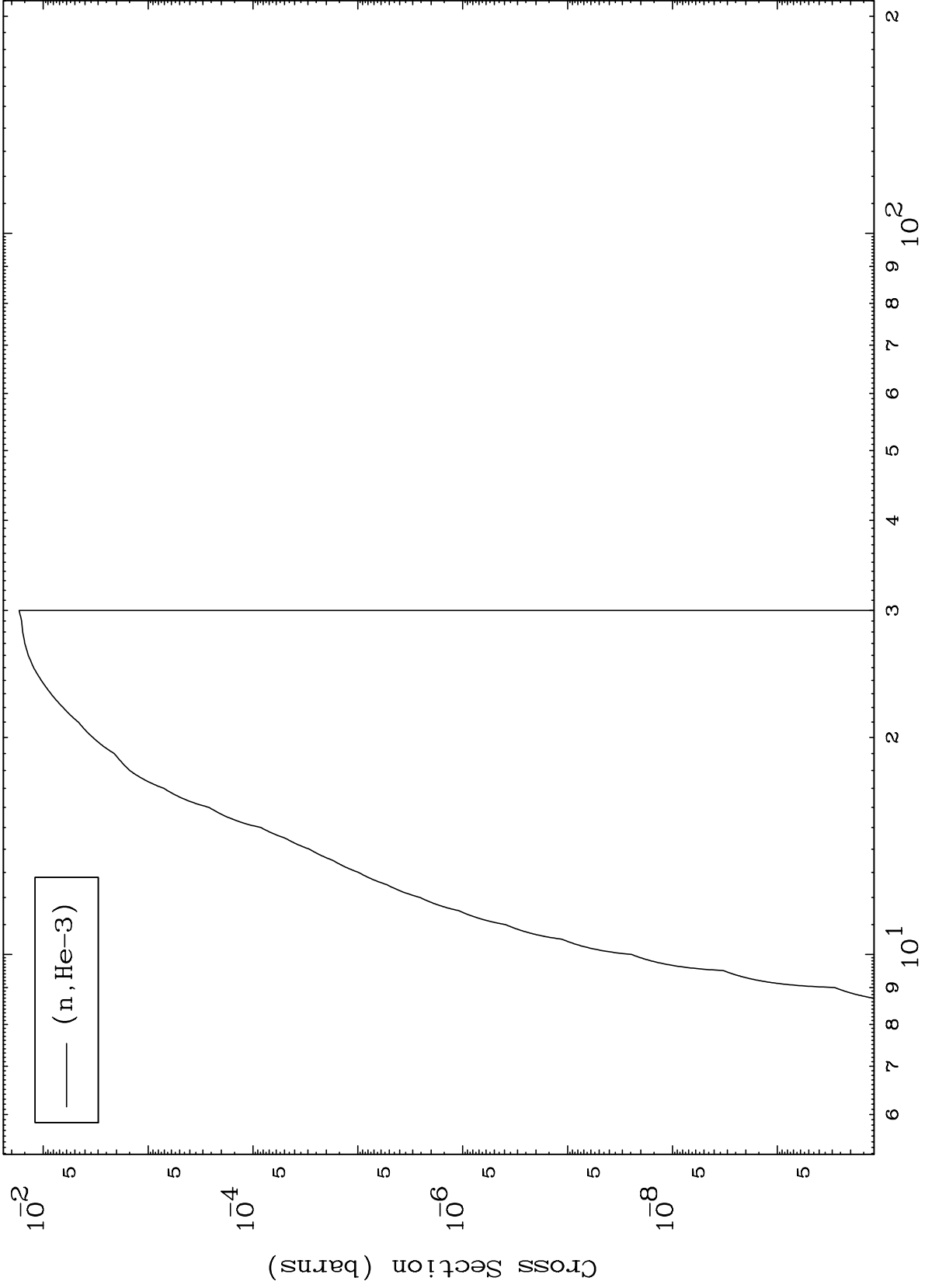
28-Ni-57

12

MAT 2822

(n,He3) Levels
293 Kelvin Cross Sections

28-Ni-57



13

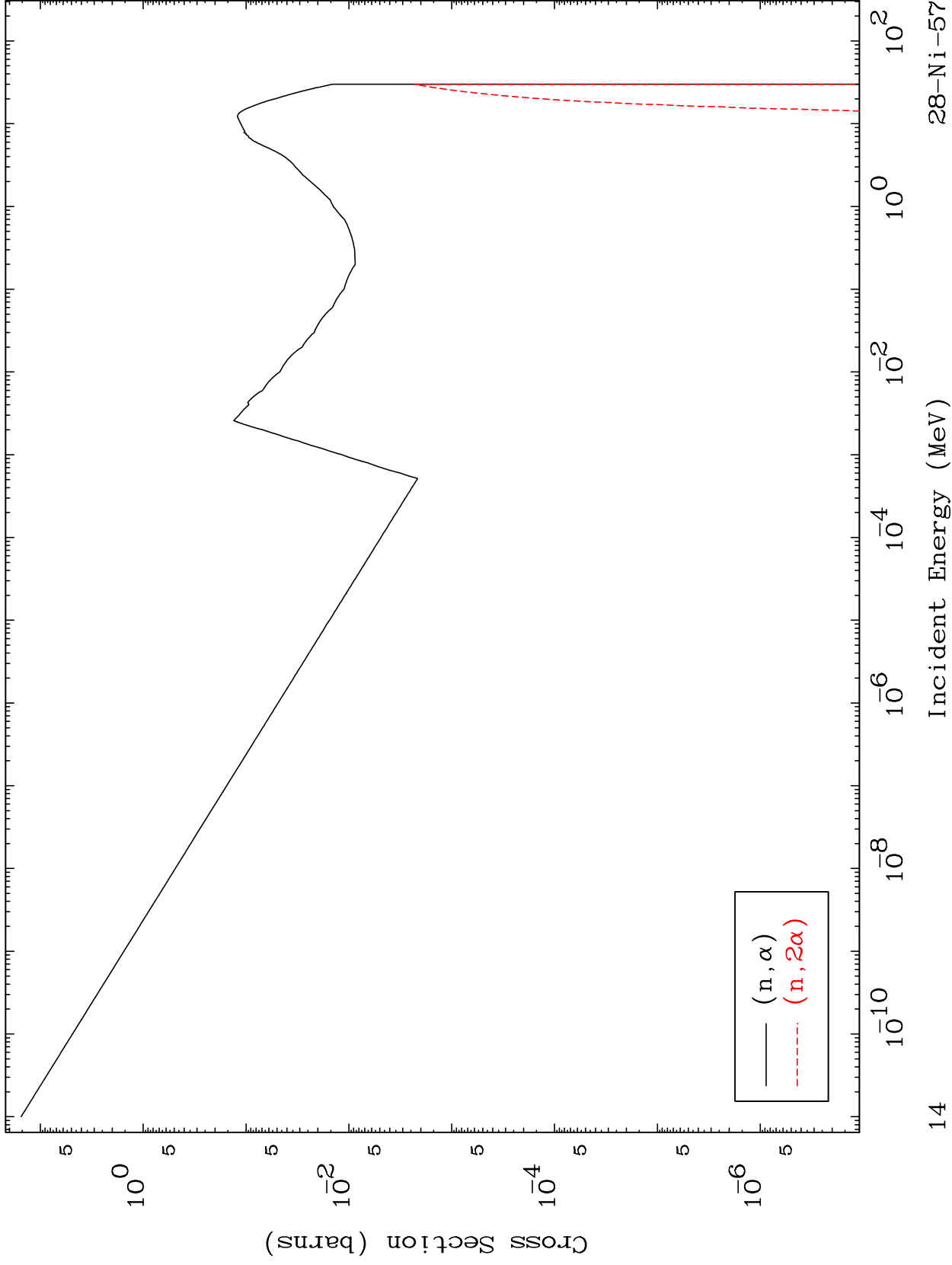
Incident Energy (MeV)

28-Ni-57

MAT 2822

(n,α) Levels
293 Kelvin Cross Sections

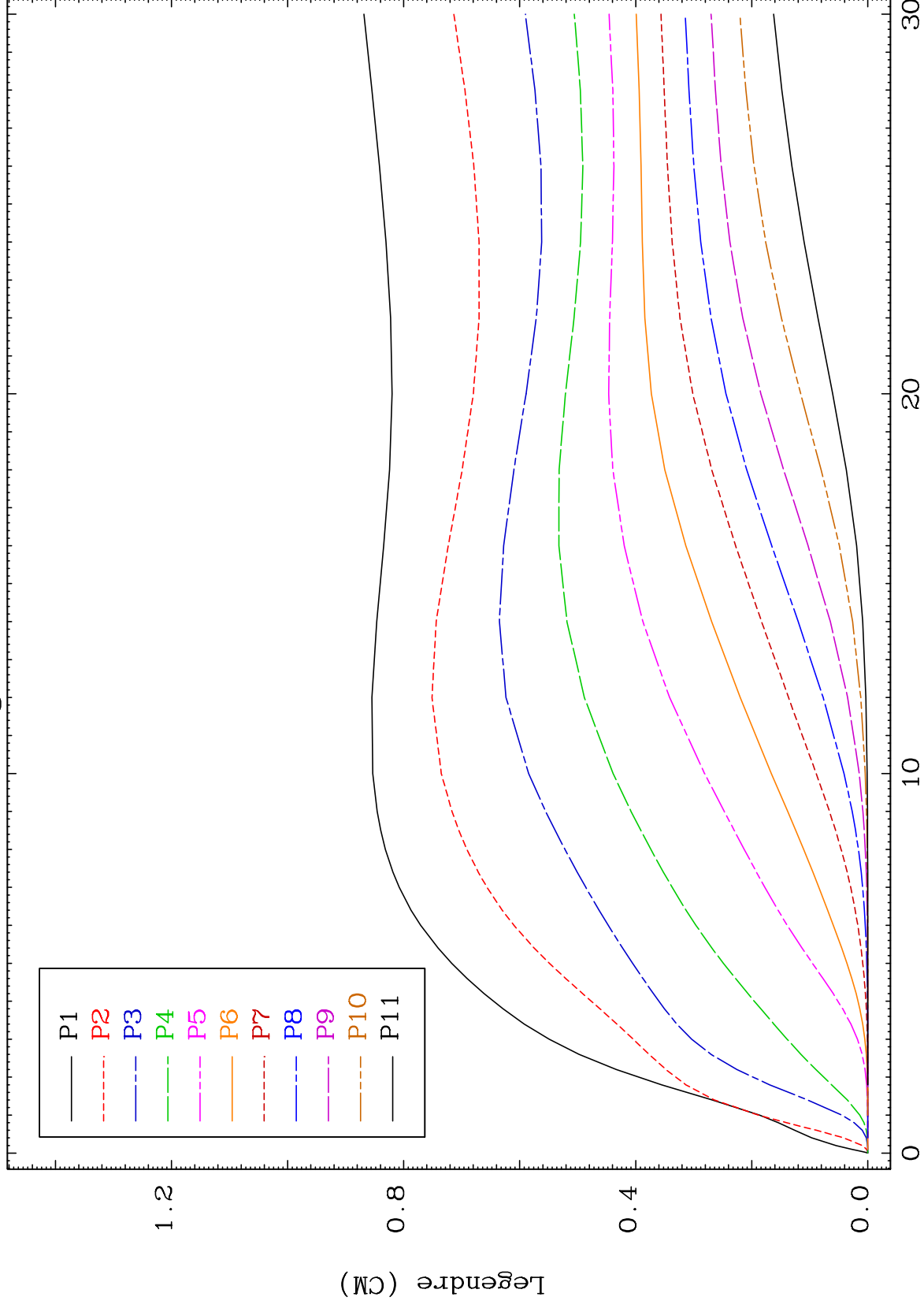
28-Ni-57



MAT 2822

Elastic Legendre Coefficients

28-Ni-57



28-Ni-57

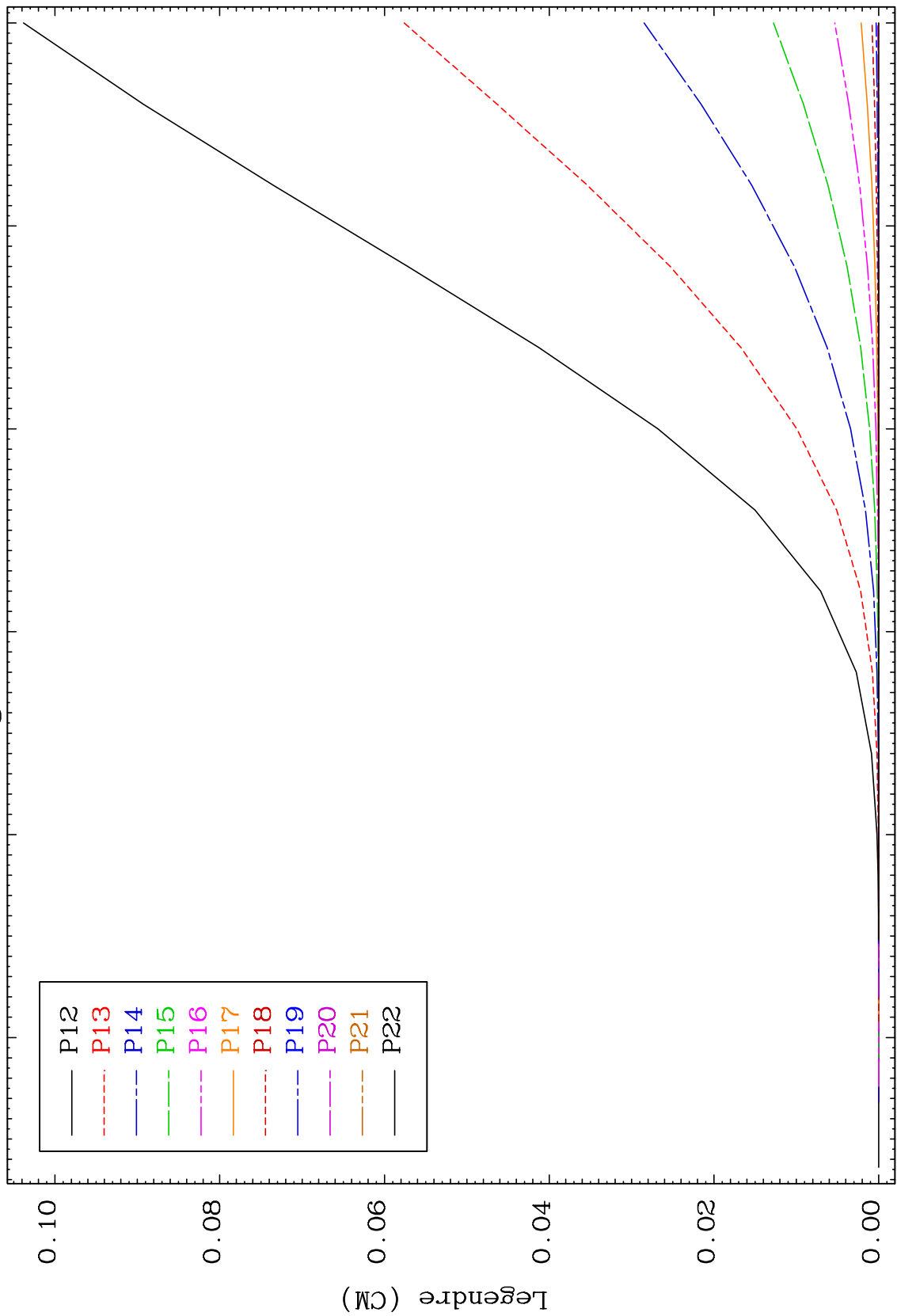
Incident Energy (MeV)

15

MAT 2822

Elastic
Legendre Coefficients

28-Ni-57



16

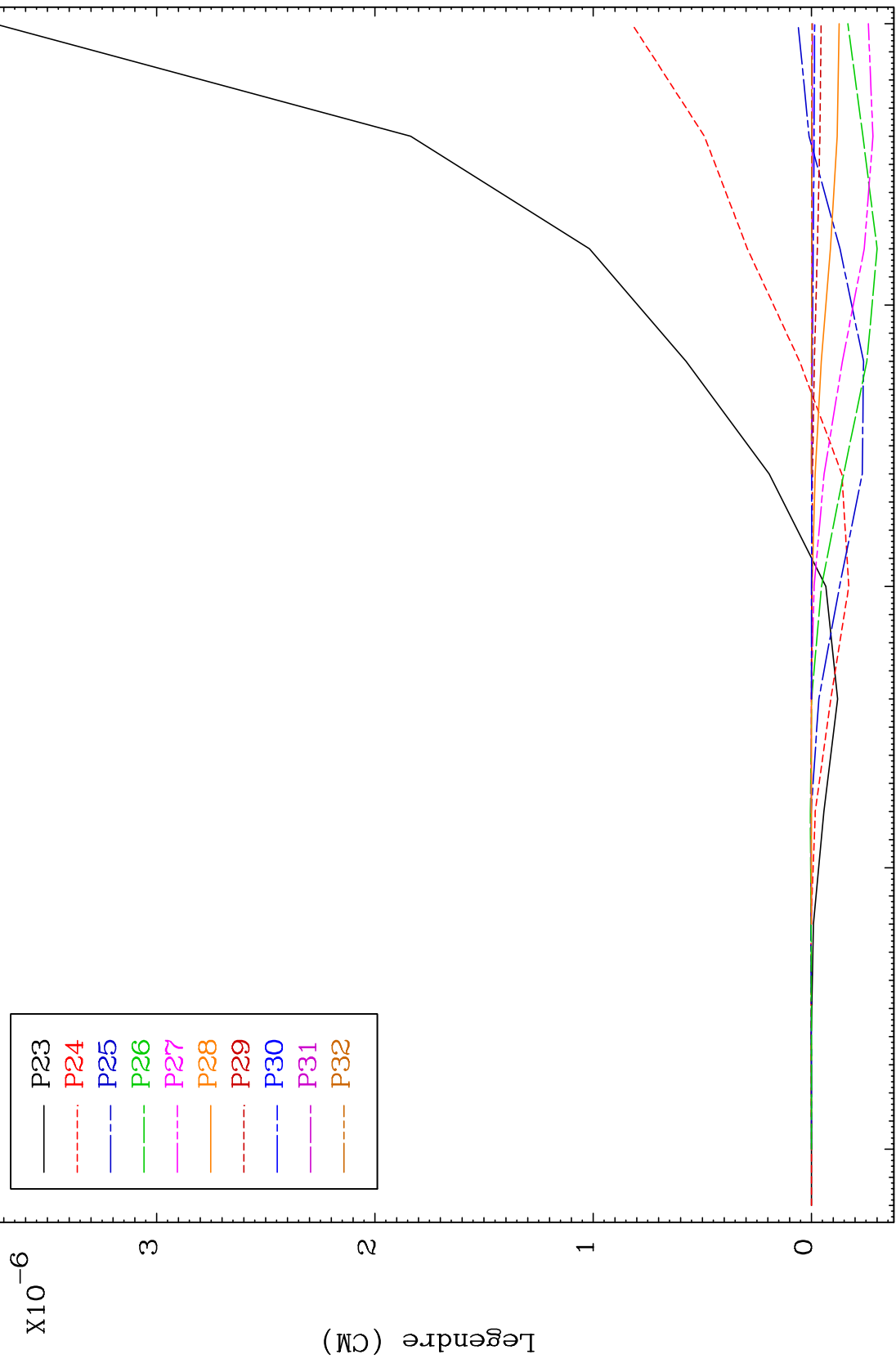
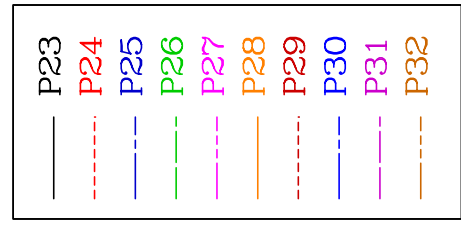
Incident Energy (MeV)

28-Ni-57

MAT 2822

Elastic Legendre Coefficients

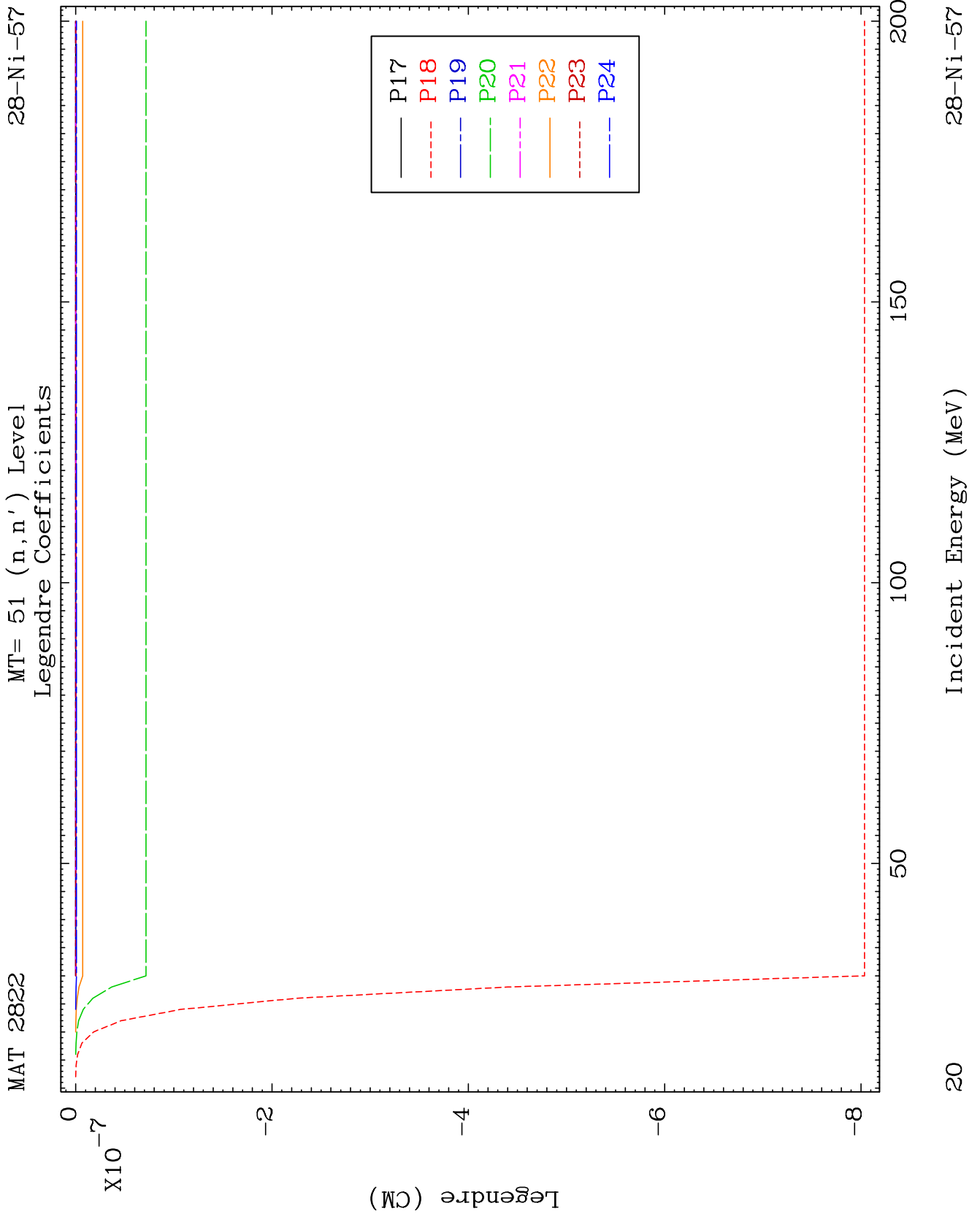
²⁸Ni-57



17

Incident Energy (MeV)

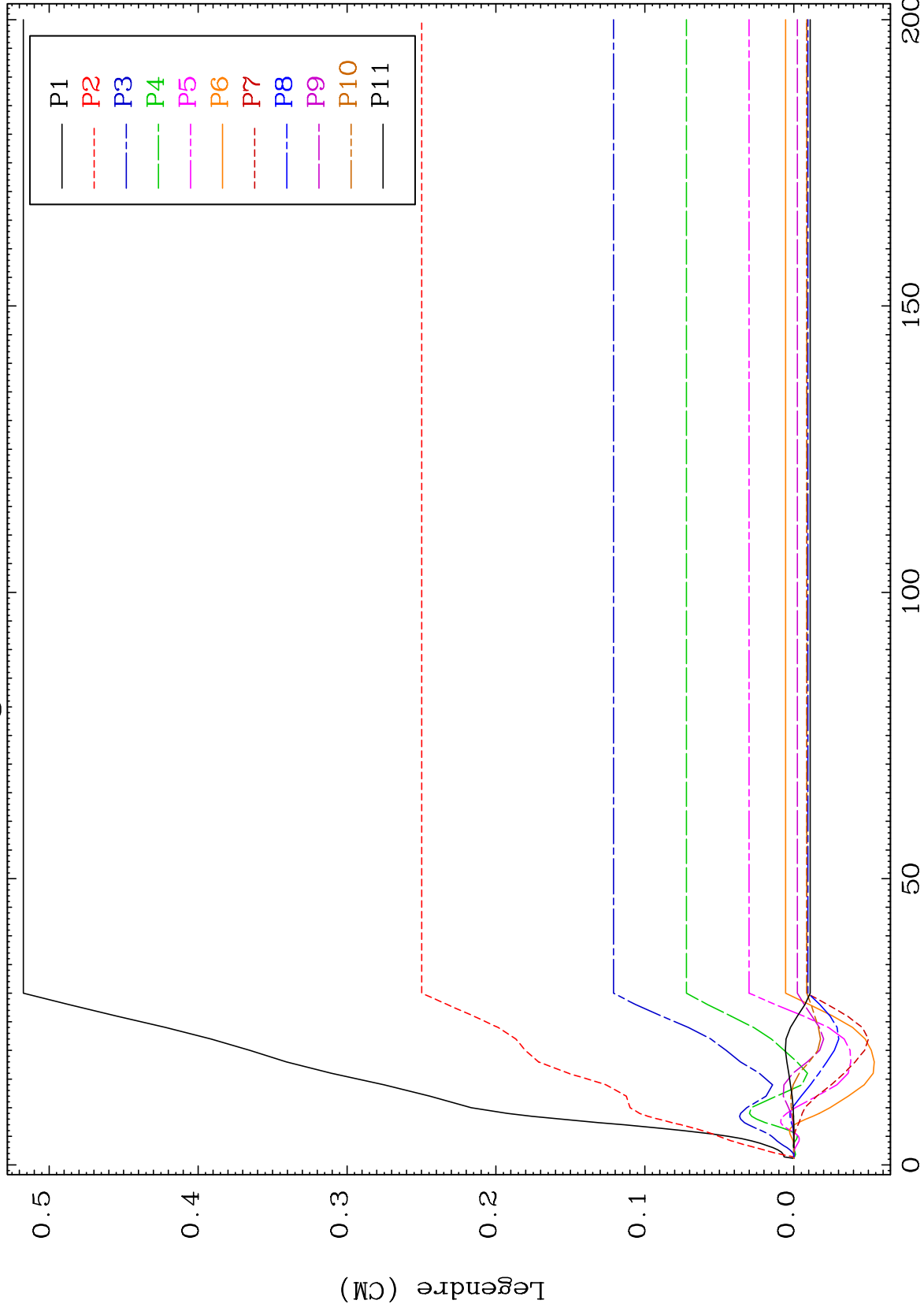
²⁸Ni-57



MAT 2822

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

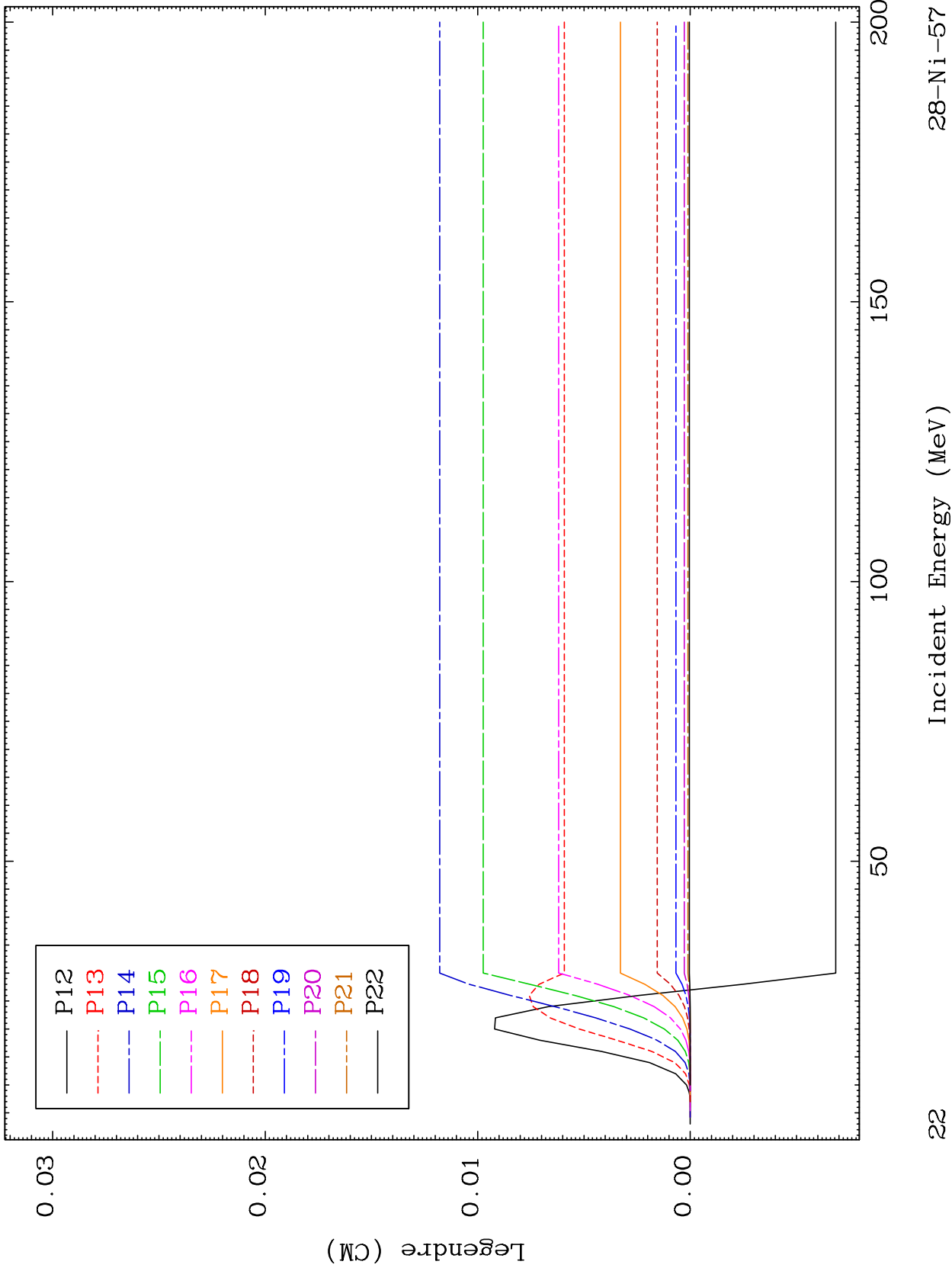
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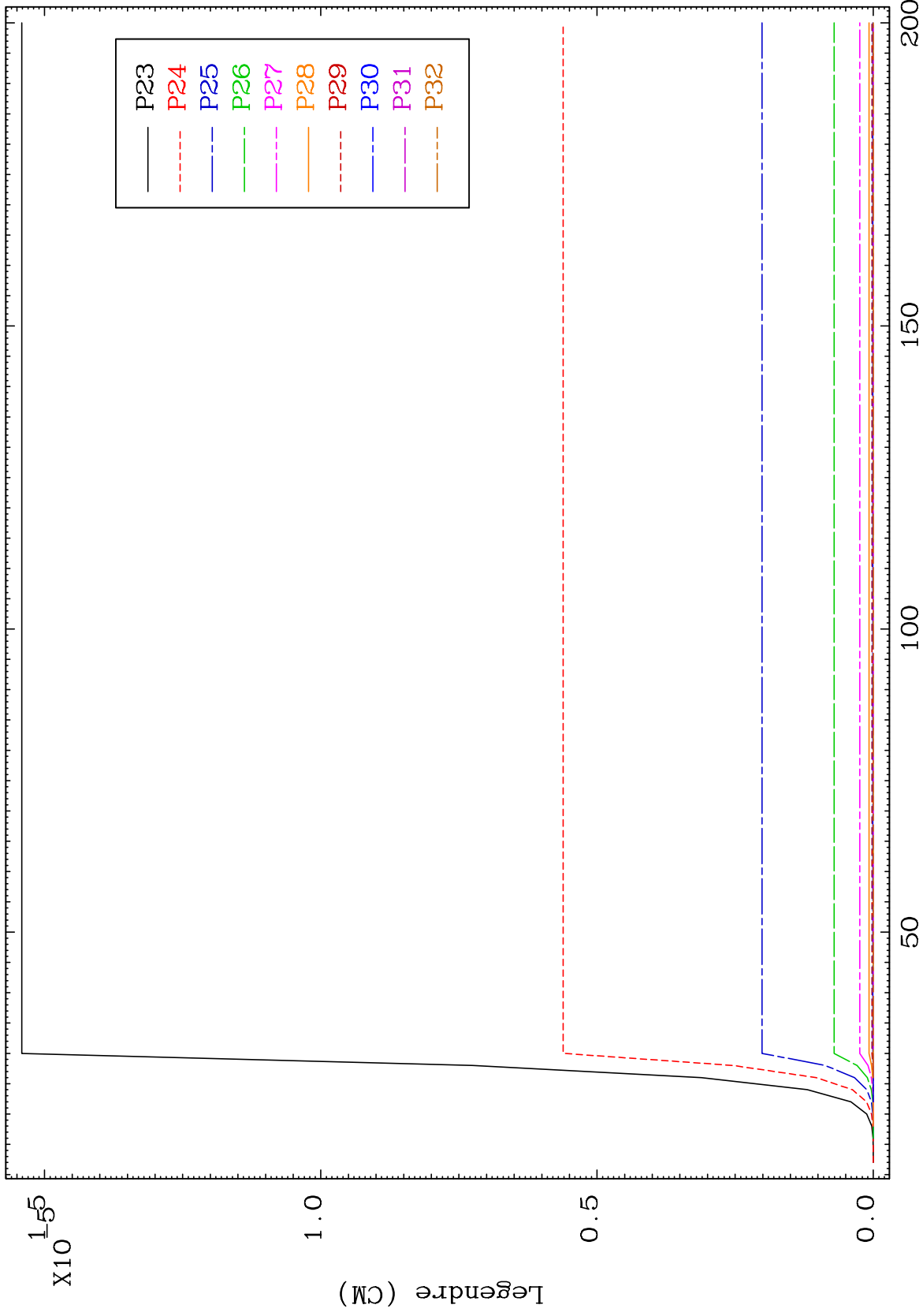


21

Incident Energy (MeV)

28-Ni-57

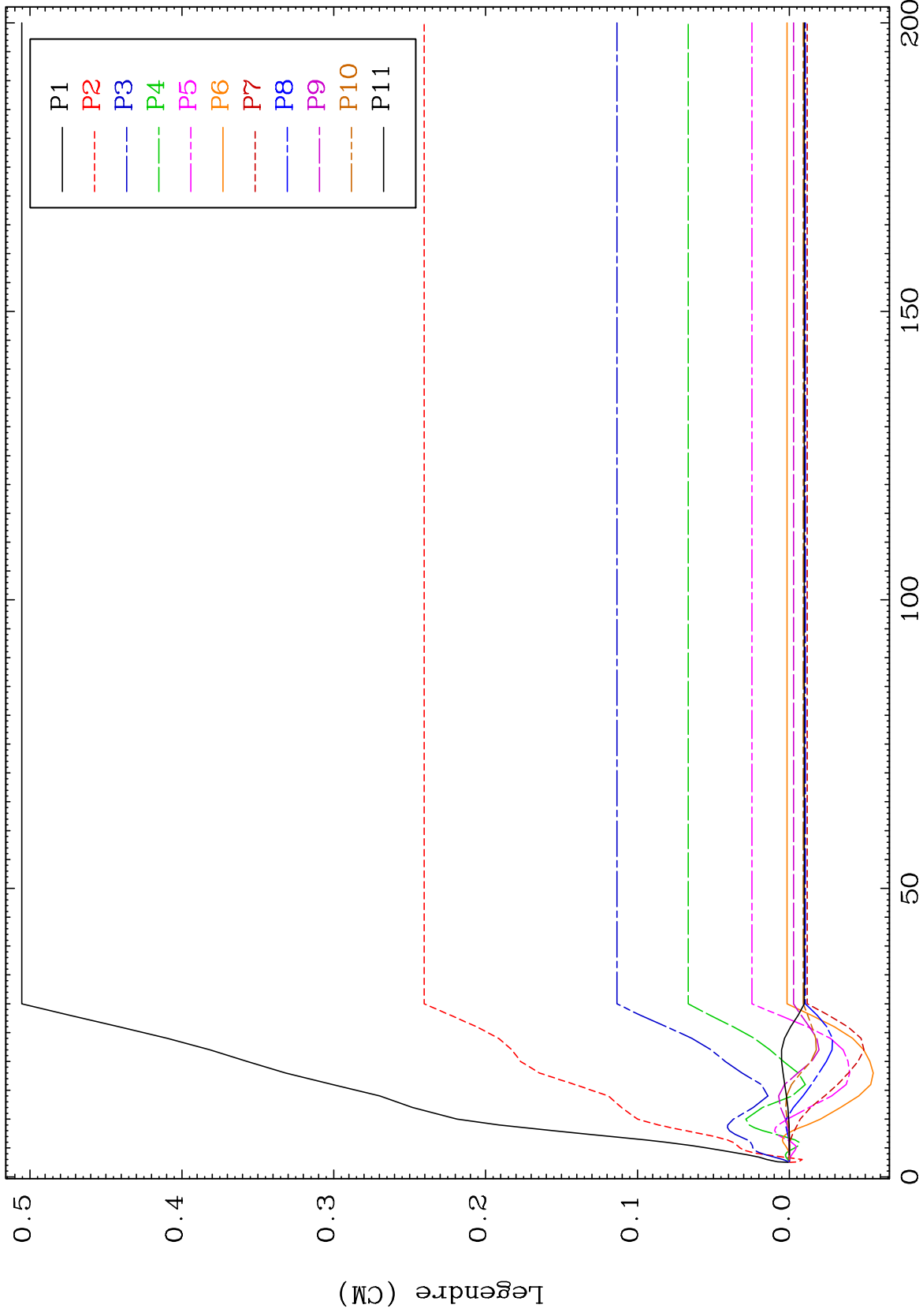




MAT 2822

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

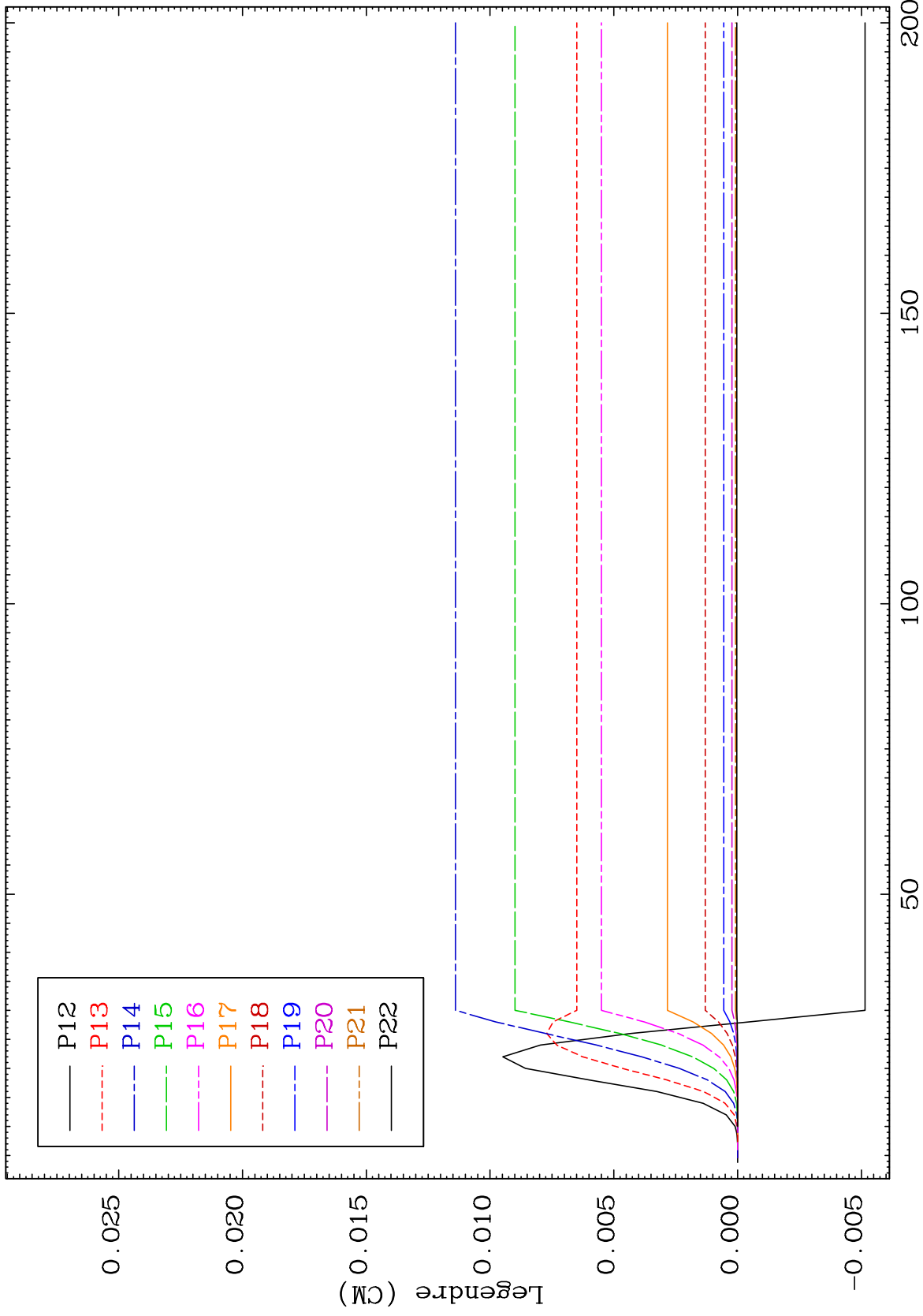
28-Ni-57



24

Incident Energy (MeV)

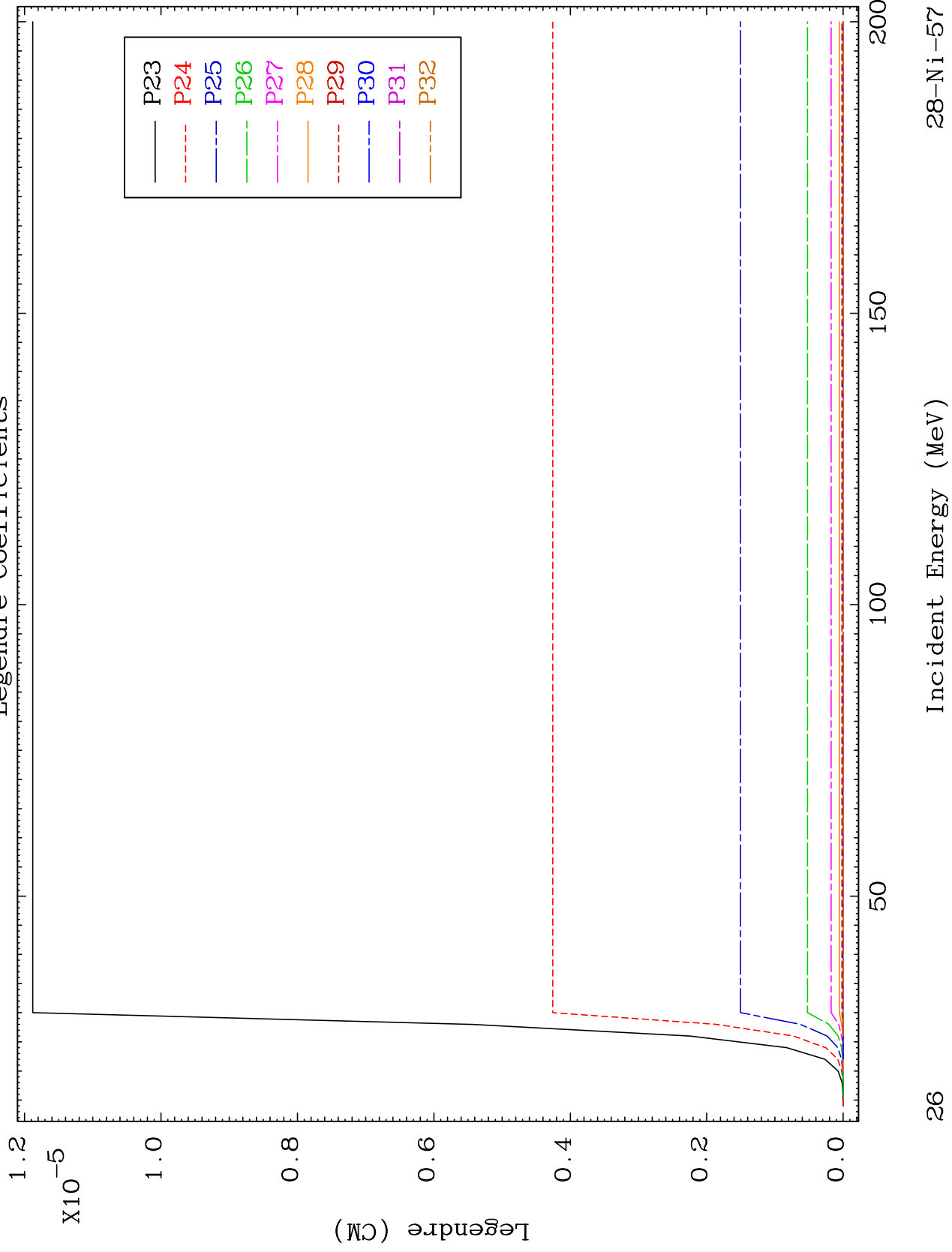
28-Ni-57



MAT 2822

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

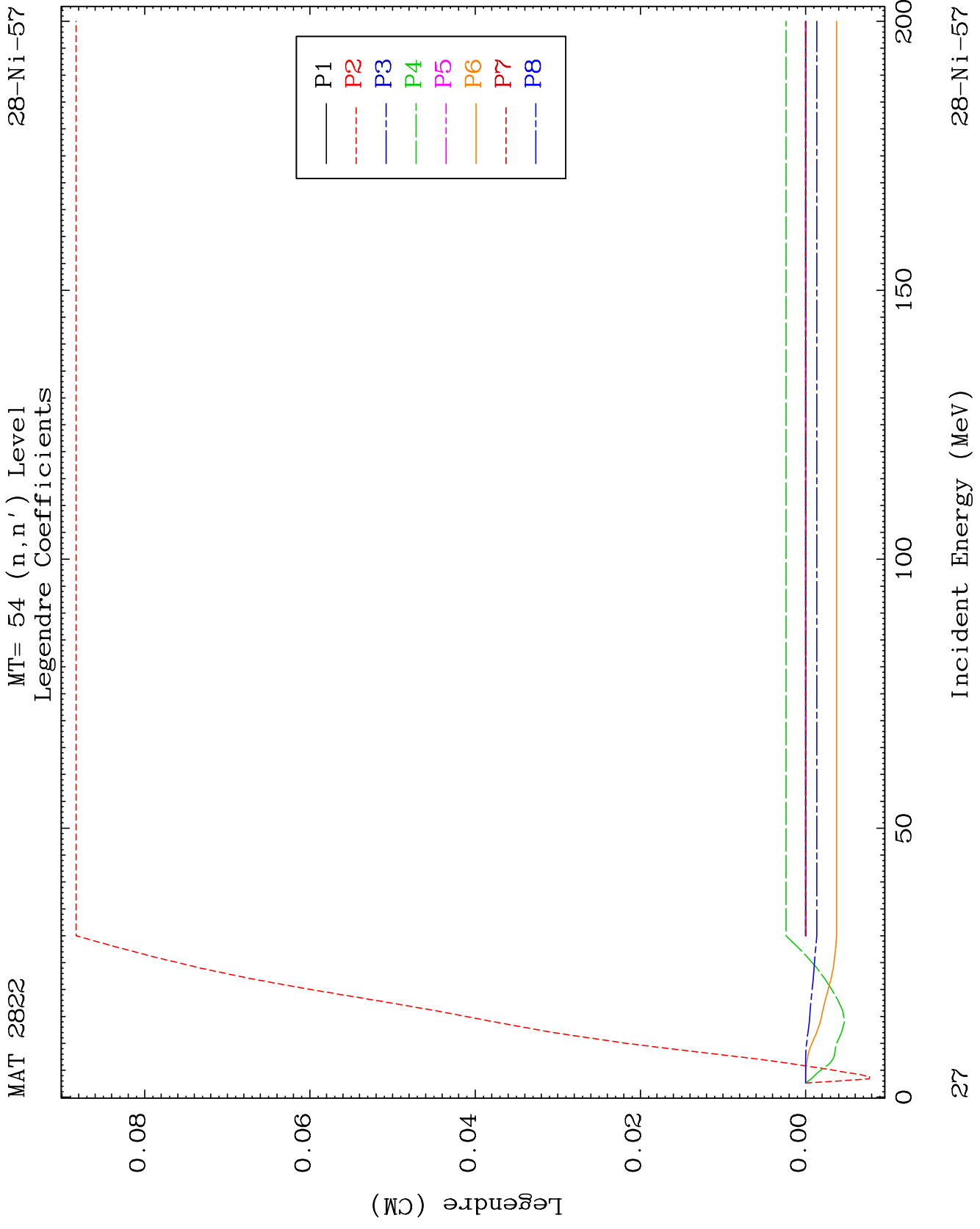
28-Ni-57



26

Incident Energy (MeV)

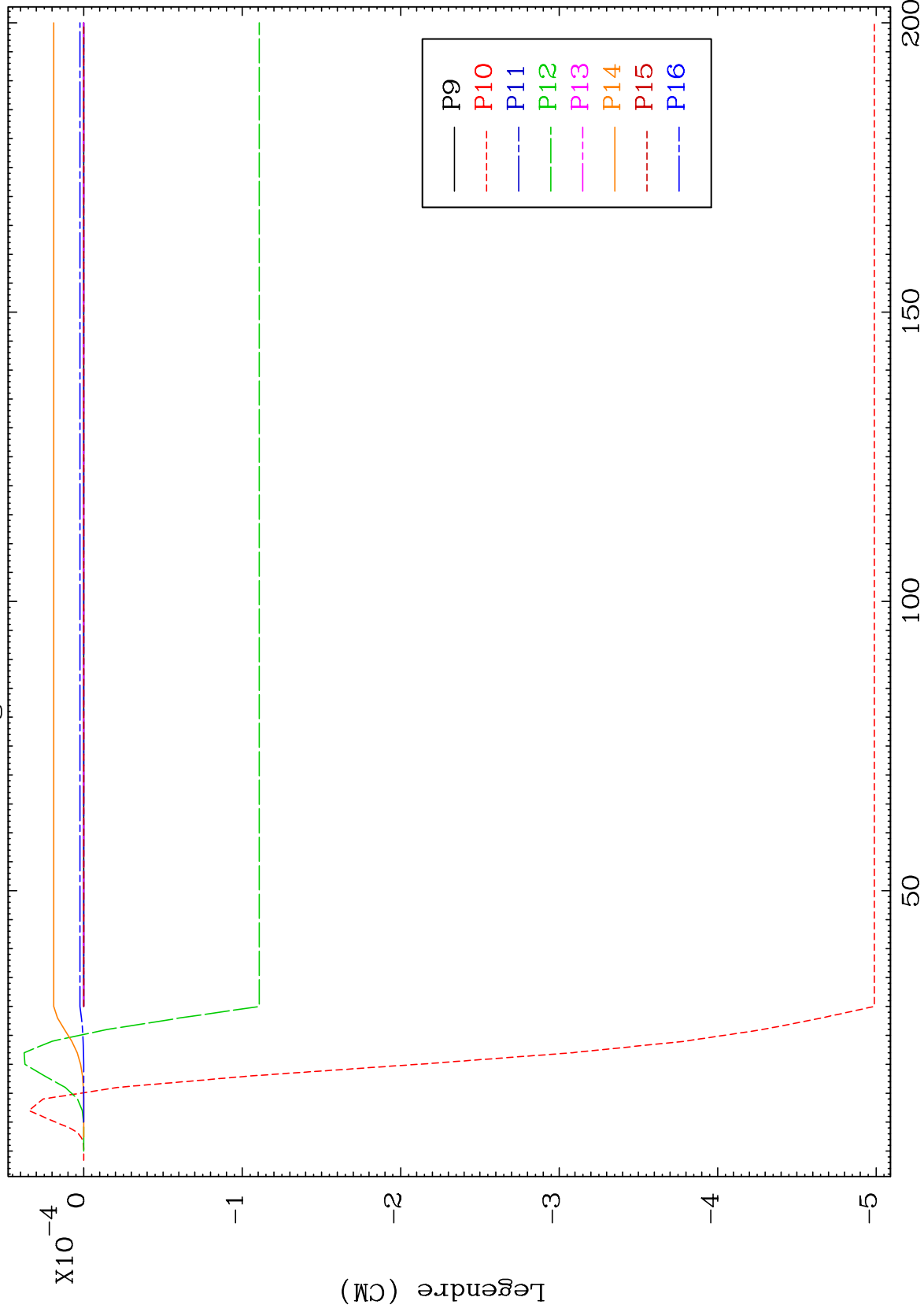
28-Ni-57



MAT 2822

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

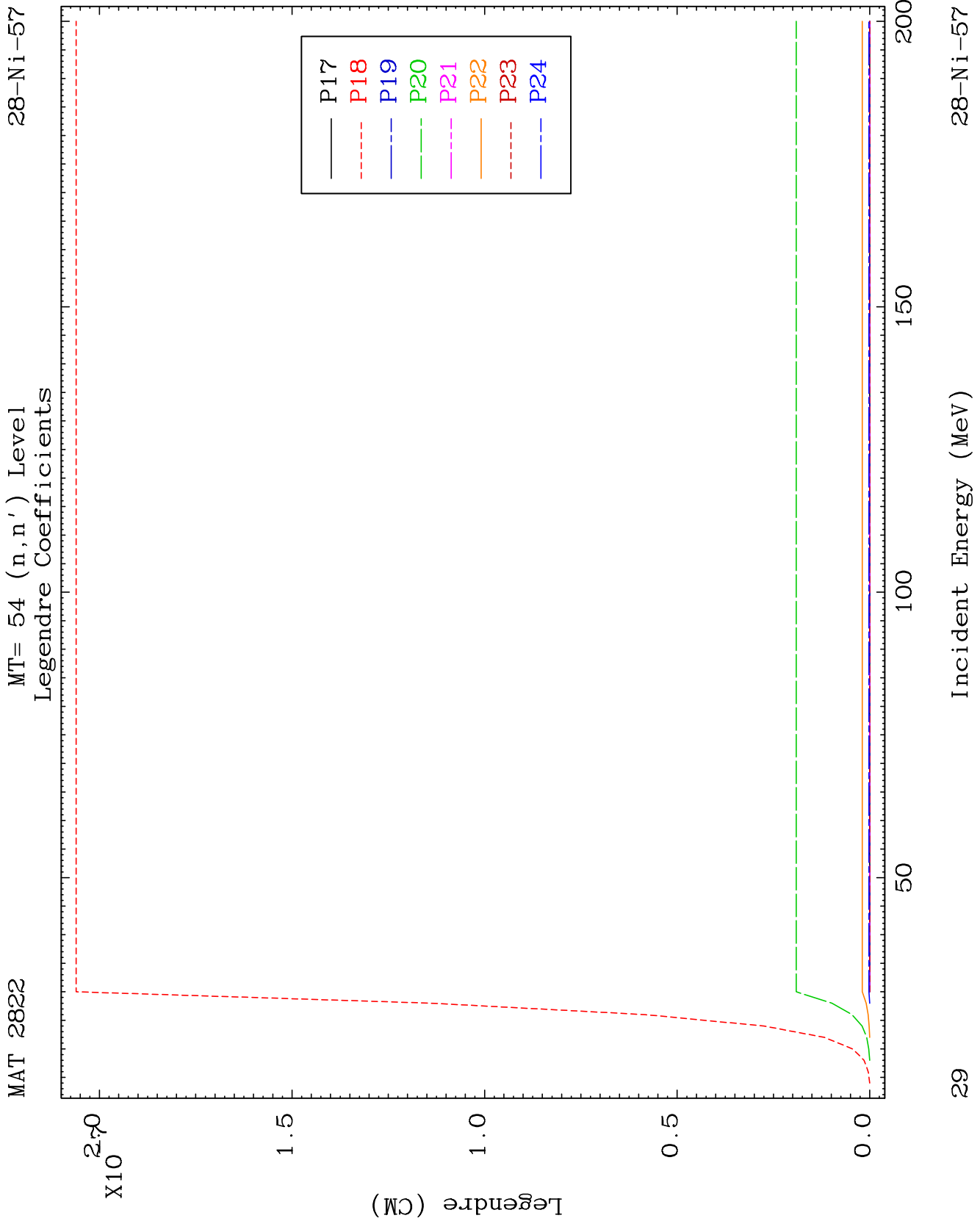
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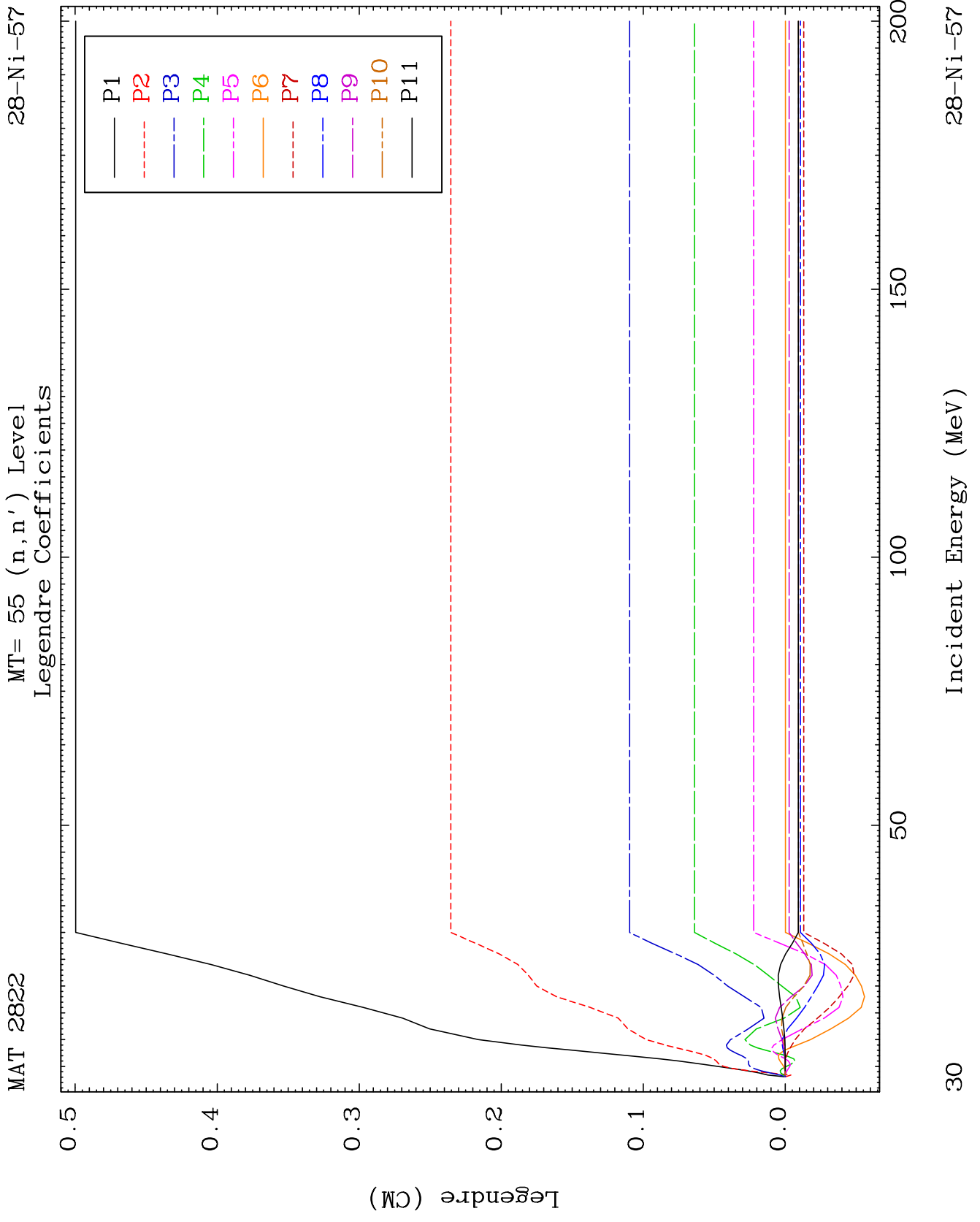


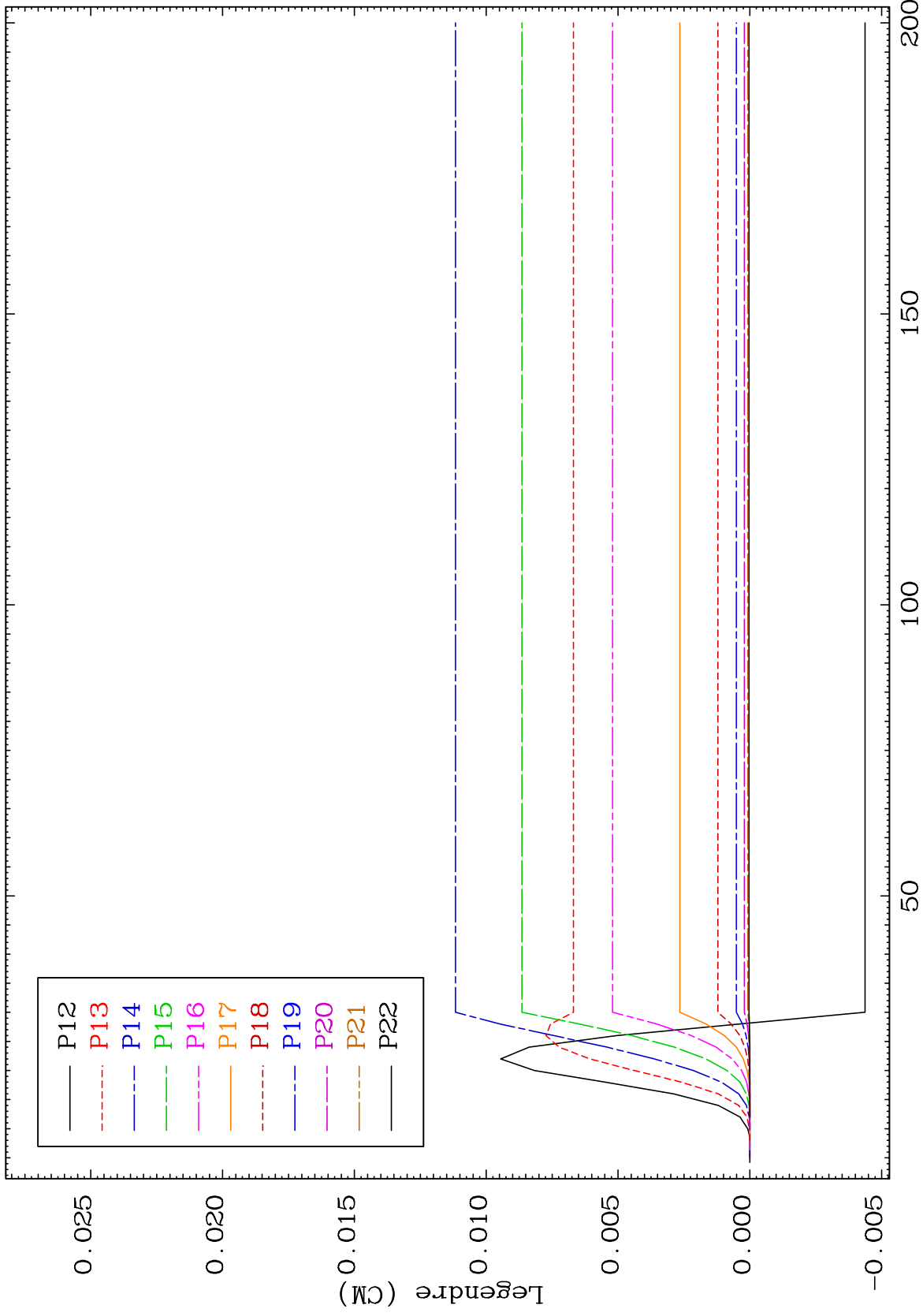
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Incident Energy (MeV)

28-Ni-57



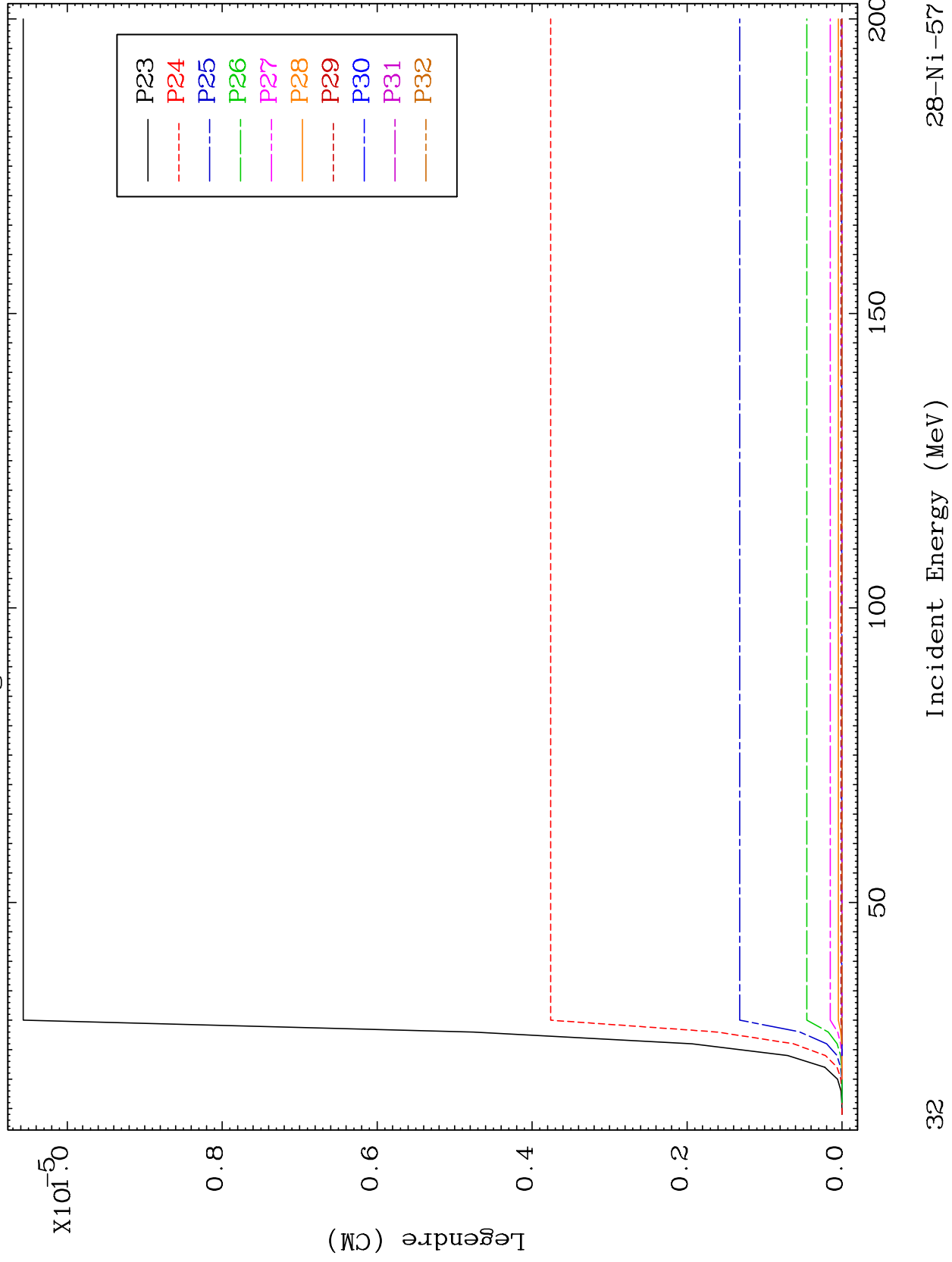




MAT 2822

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

28-Ni-57

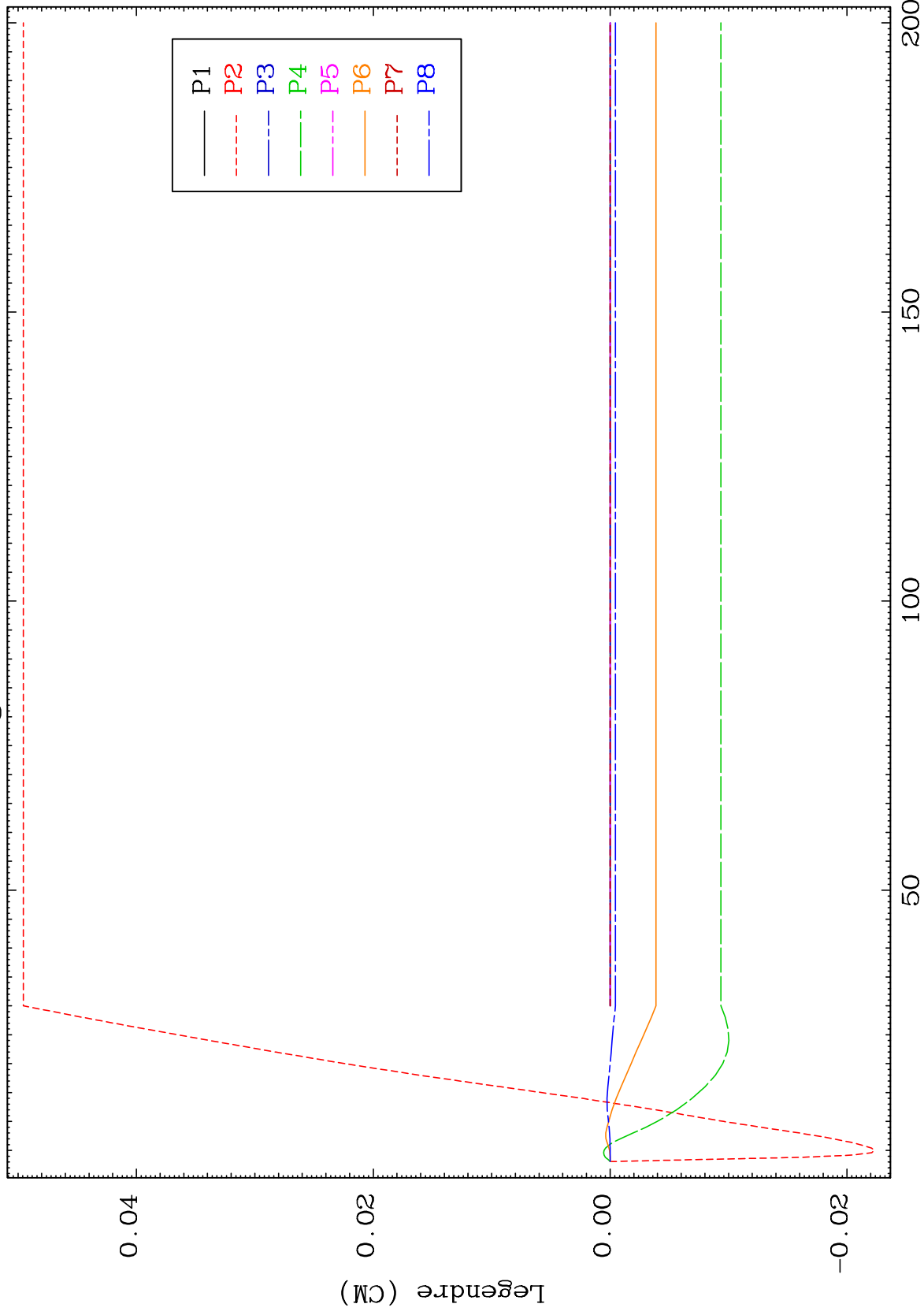


32

MAT 28222

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

28-Ni-57



33

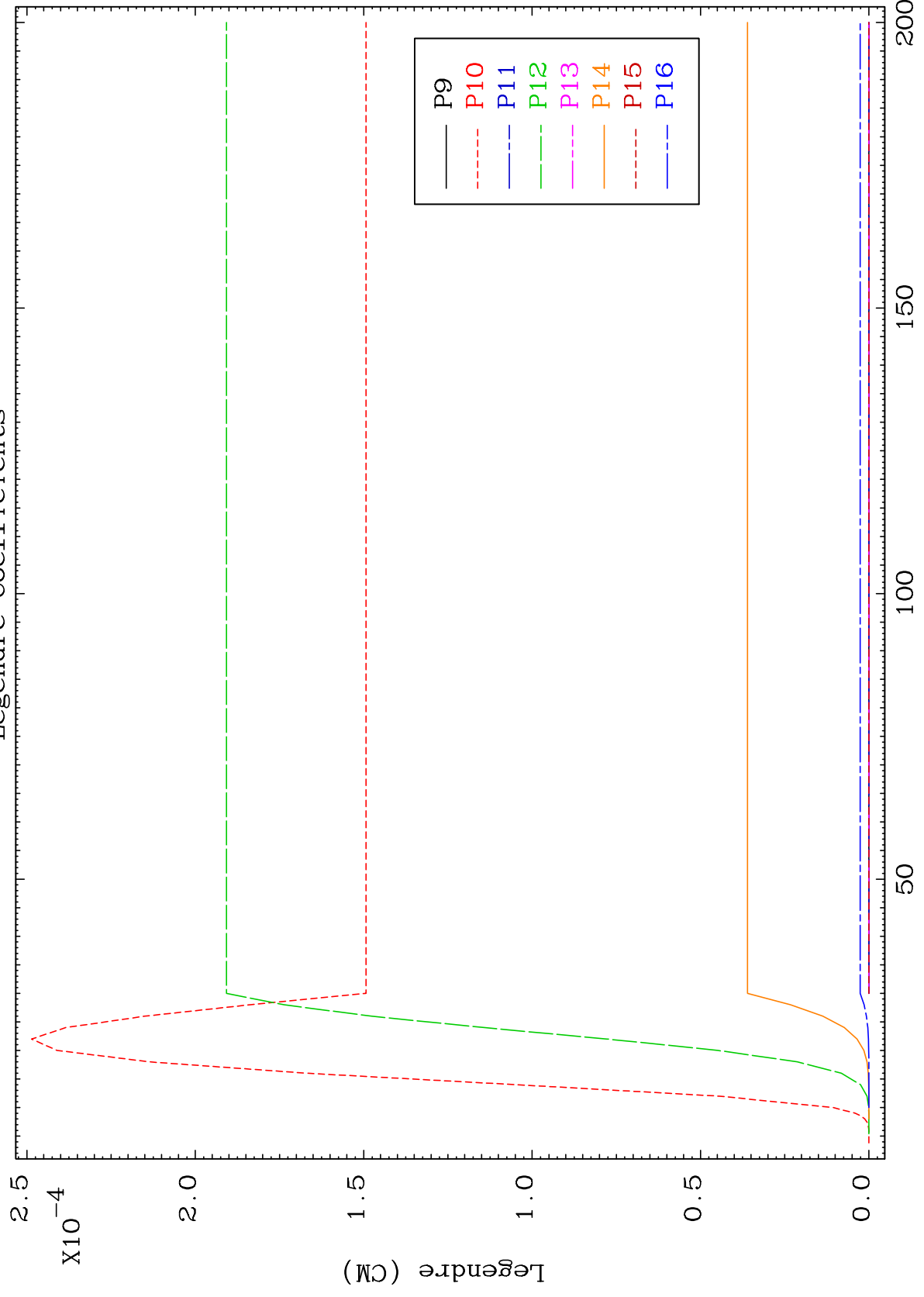
Incident Energy (MeV)

28-Ni-57

MAT 2822

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

28-Ni-57



34

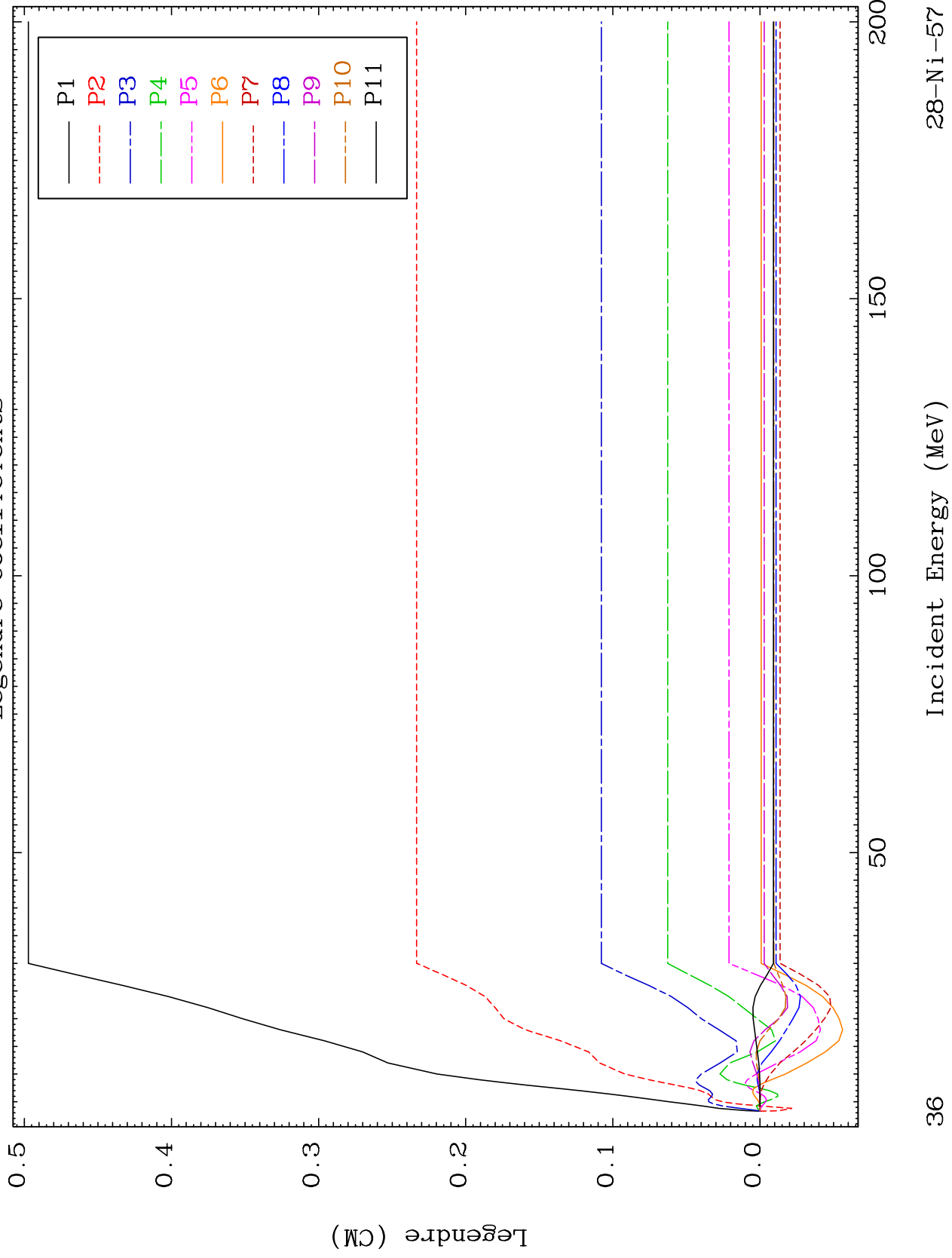
Incident Energy (MeV)

28-Ni-57

MAT 2822

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

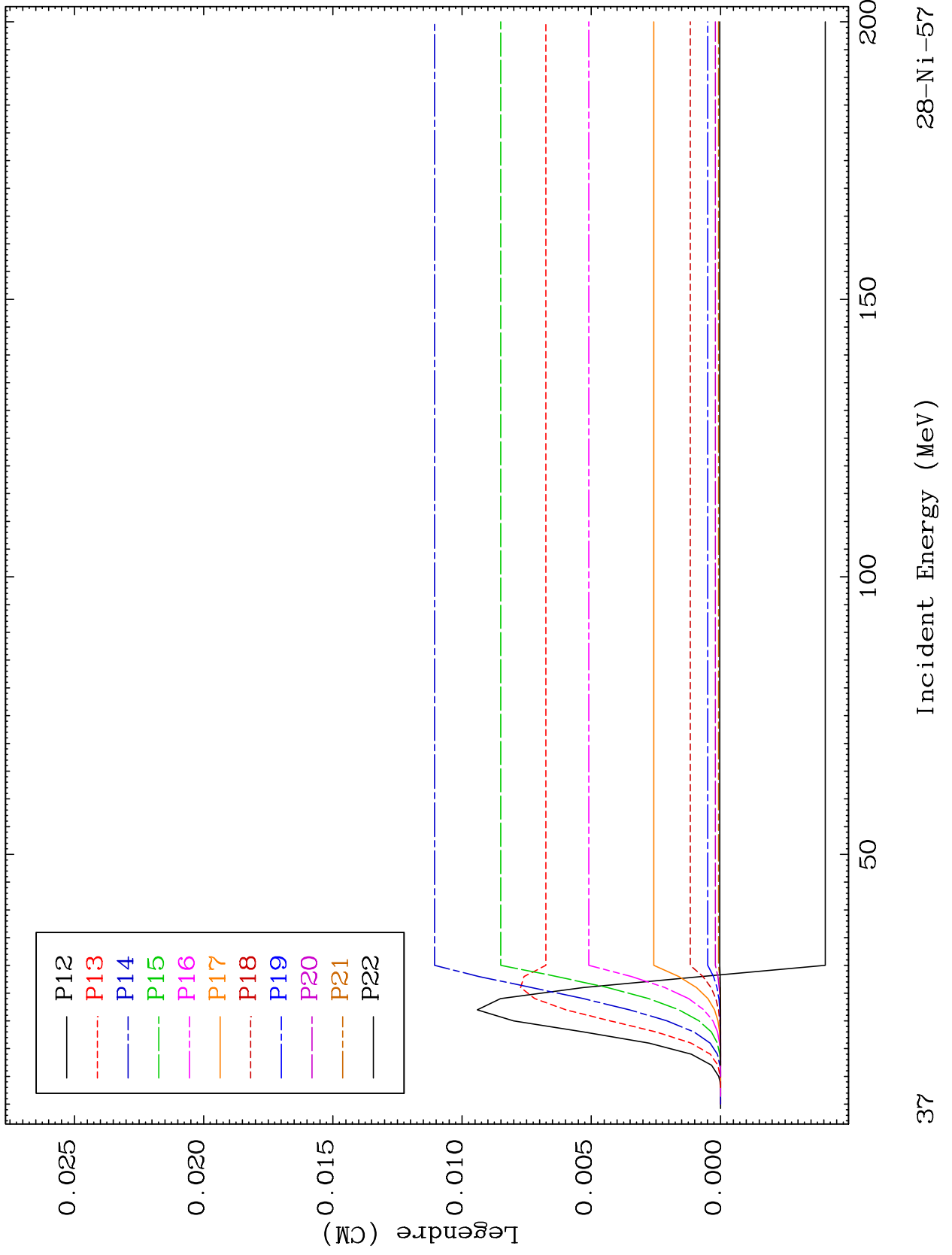
28-Ni-57



36

Incident Energy (MeV)

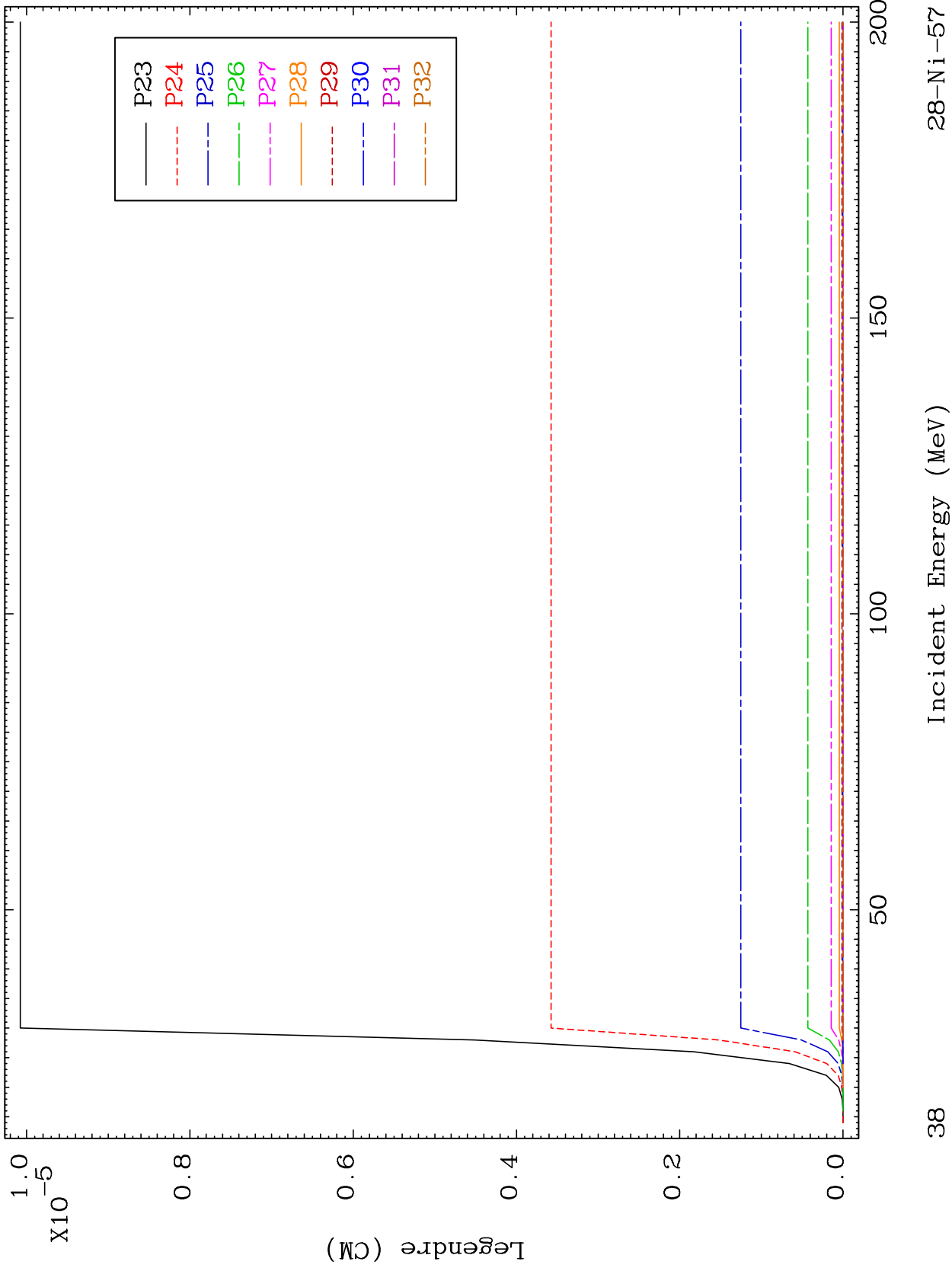
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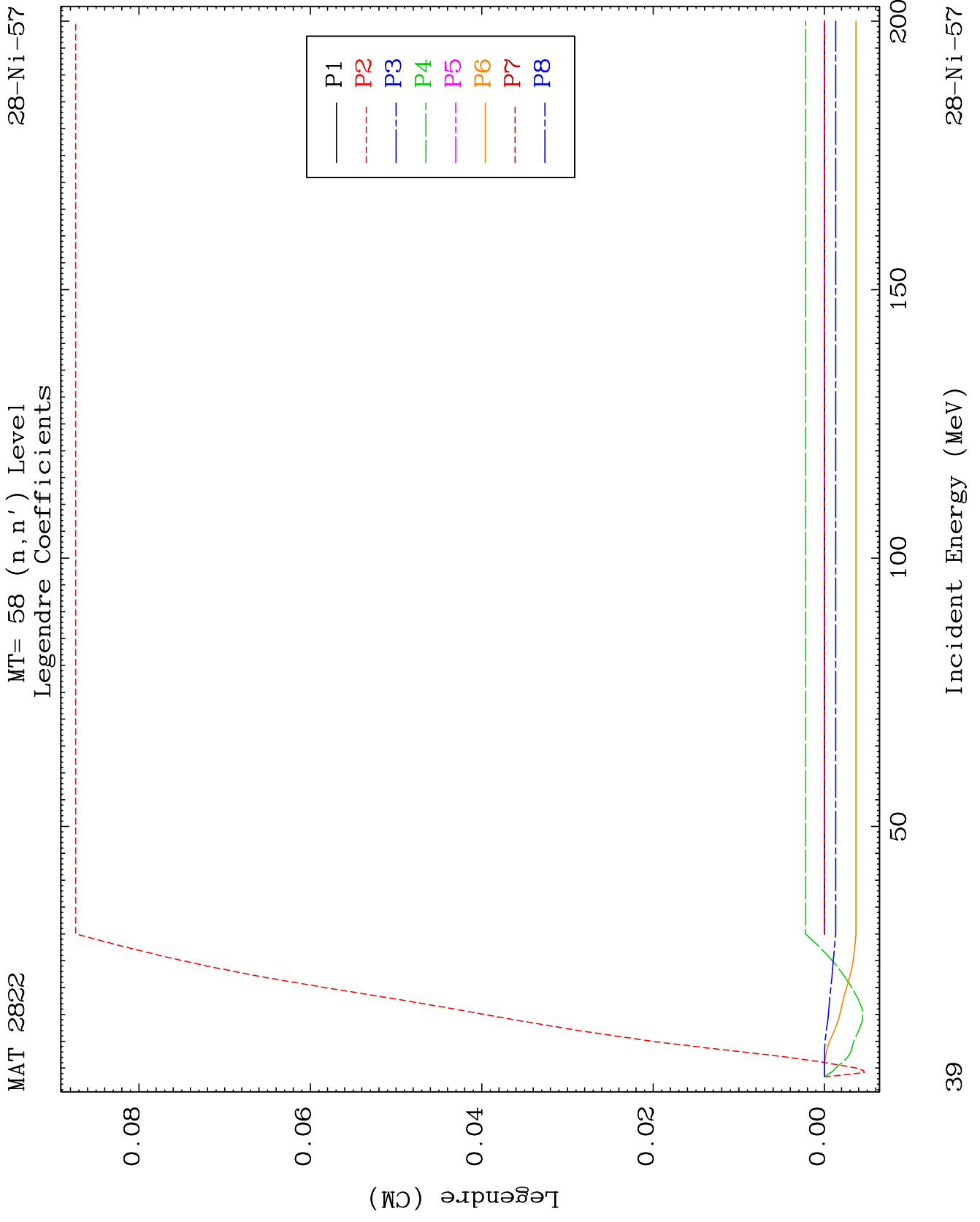


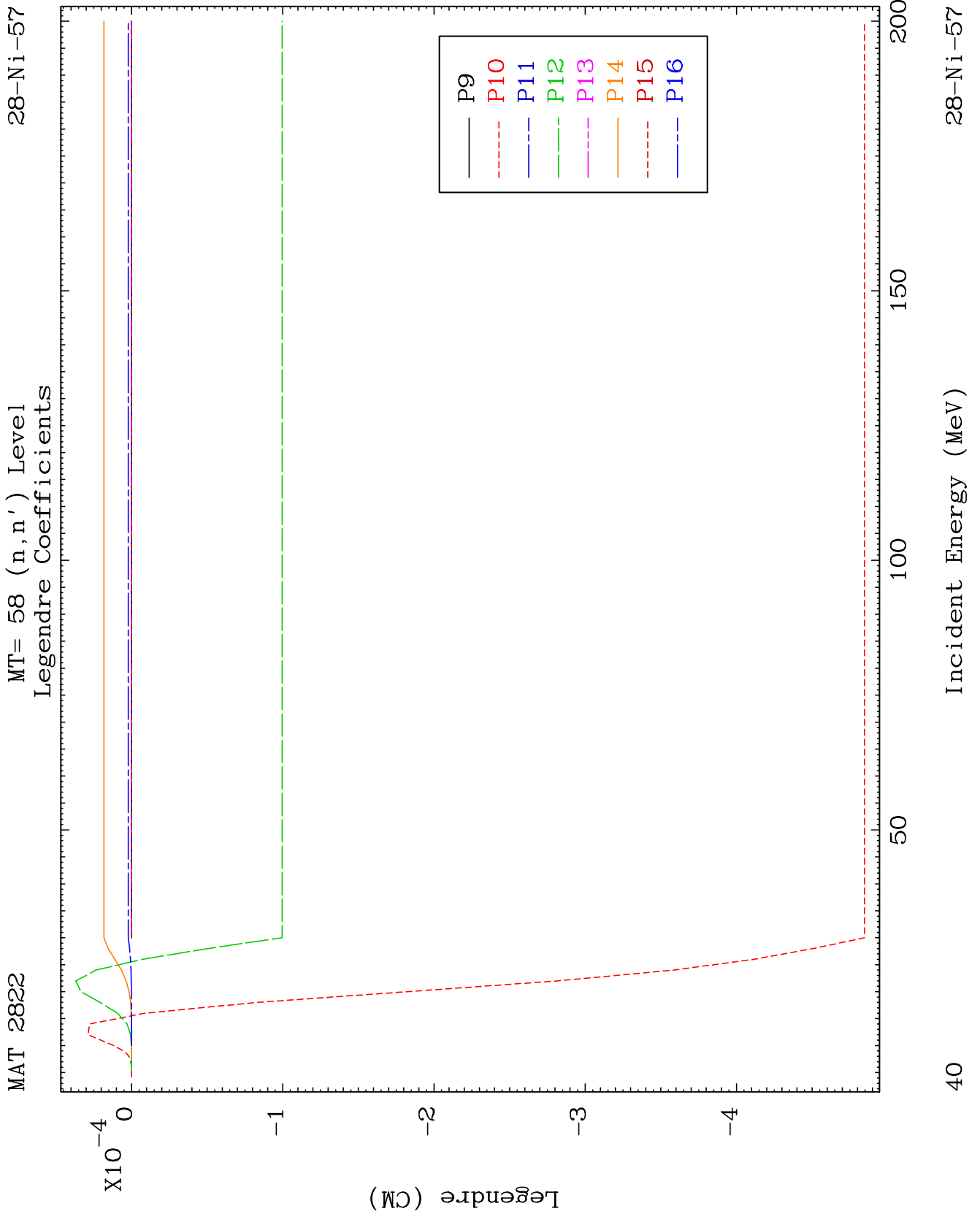
MAT 2822

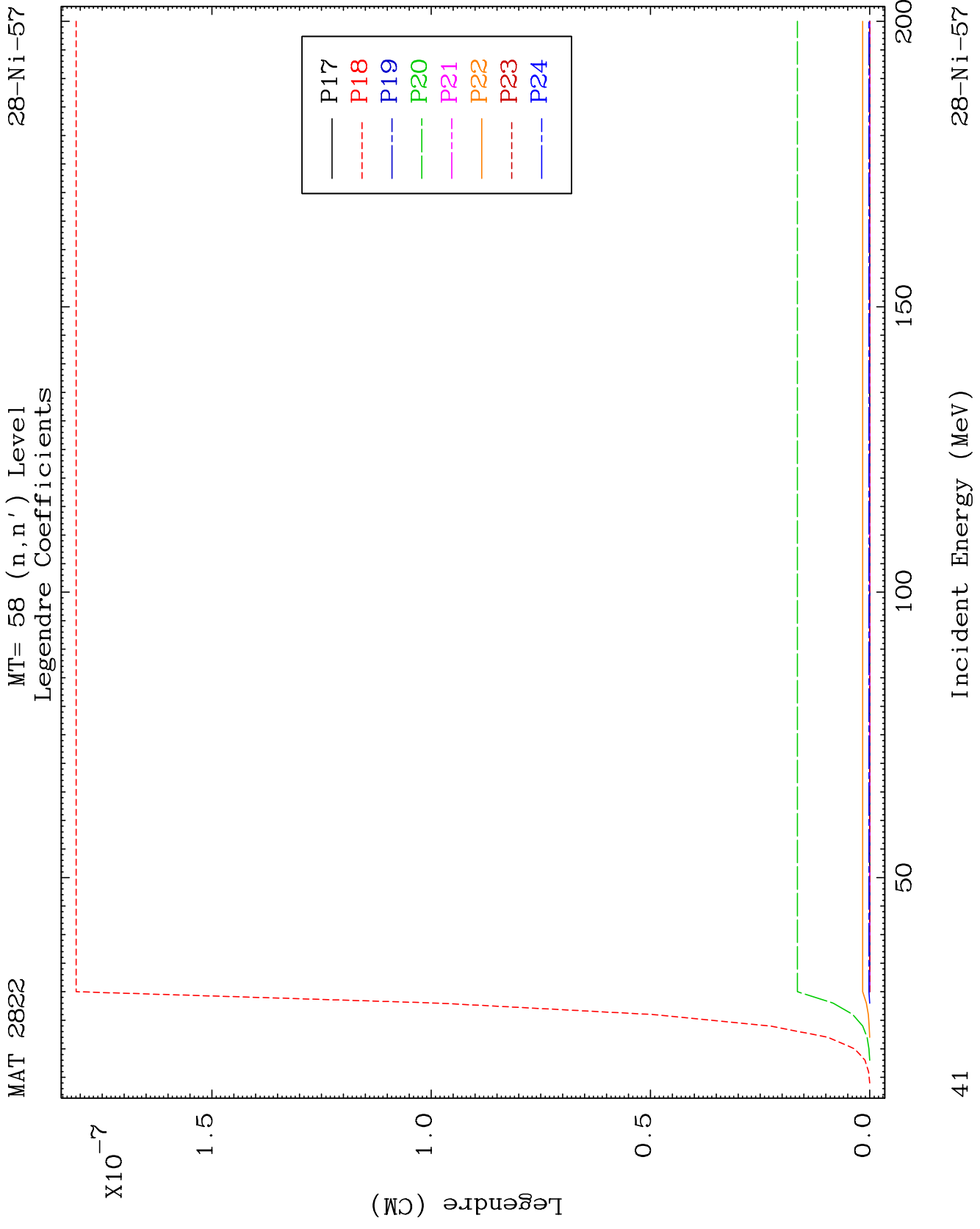
MT= 57 (n,n') Level
Legendre Coefficients

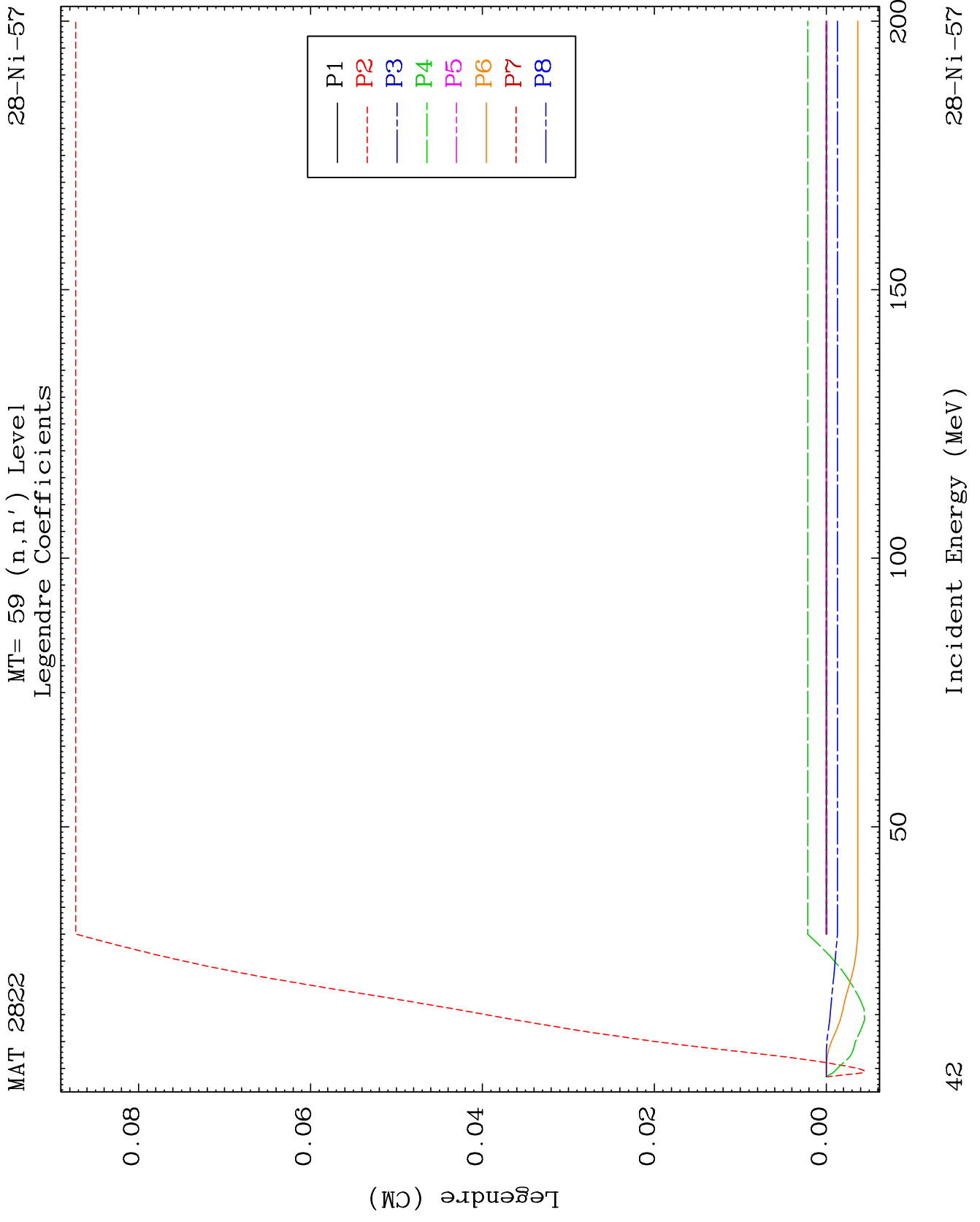
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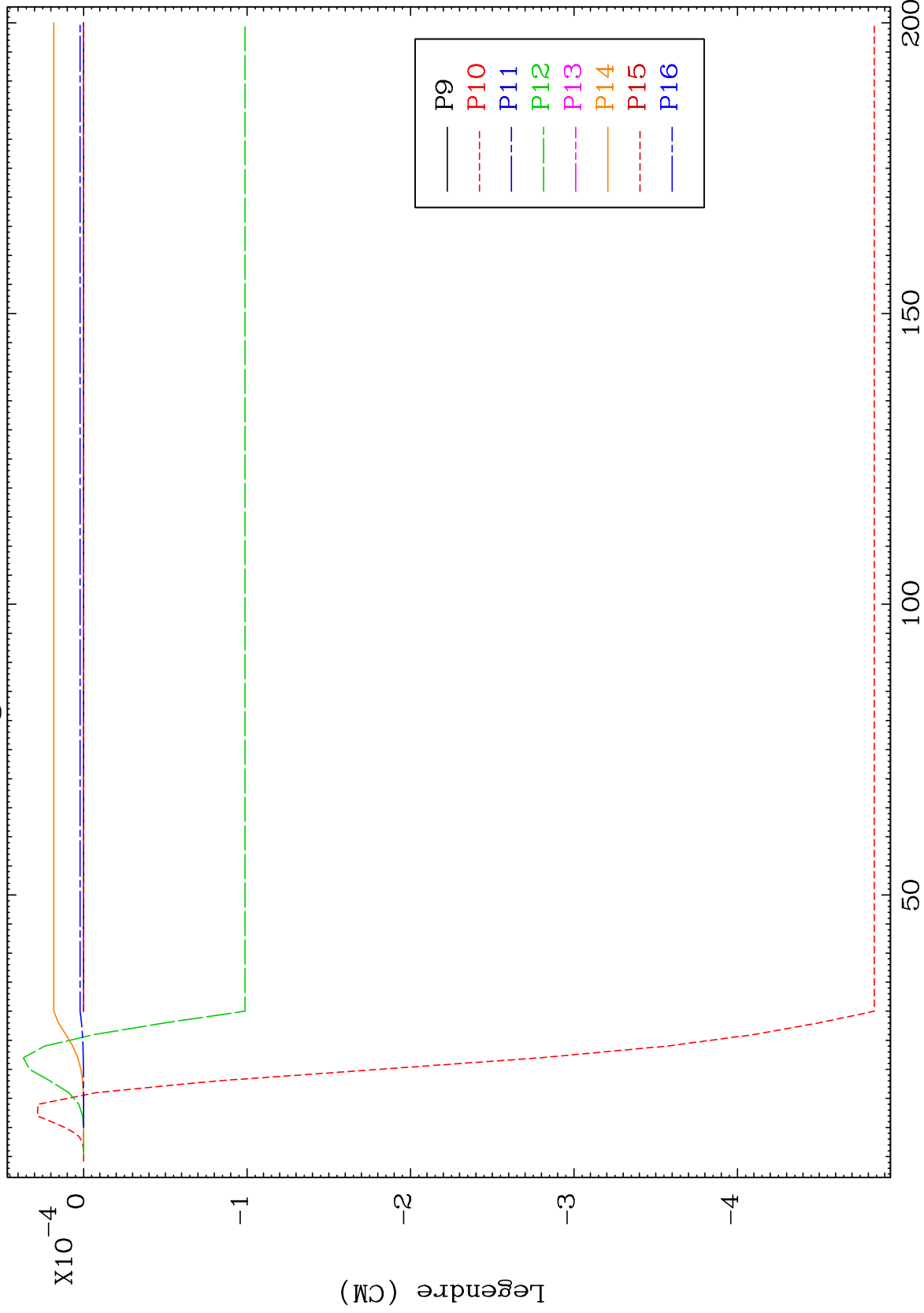




MAT 2822

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

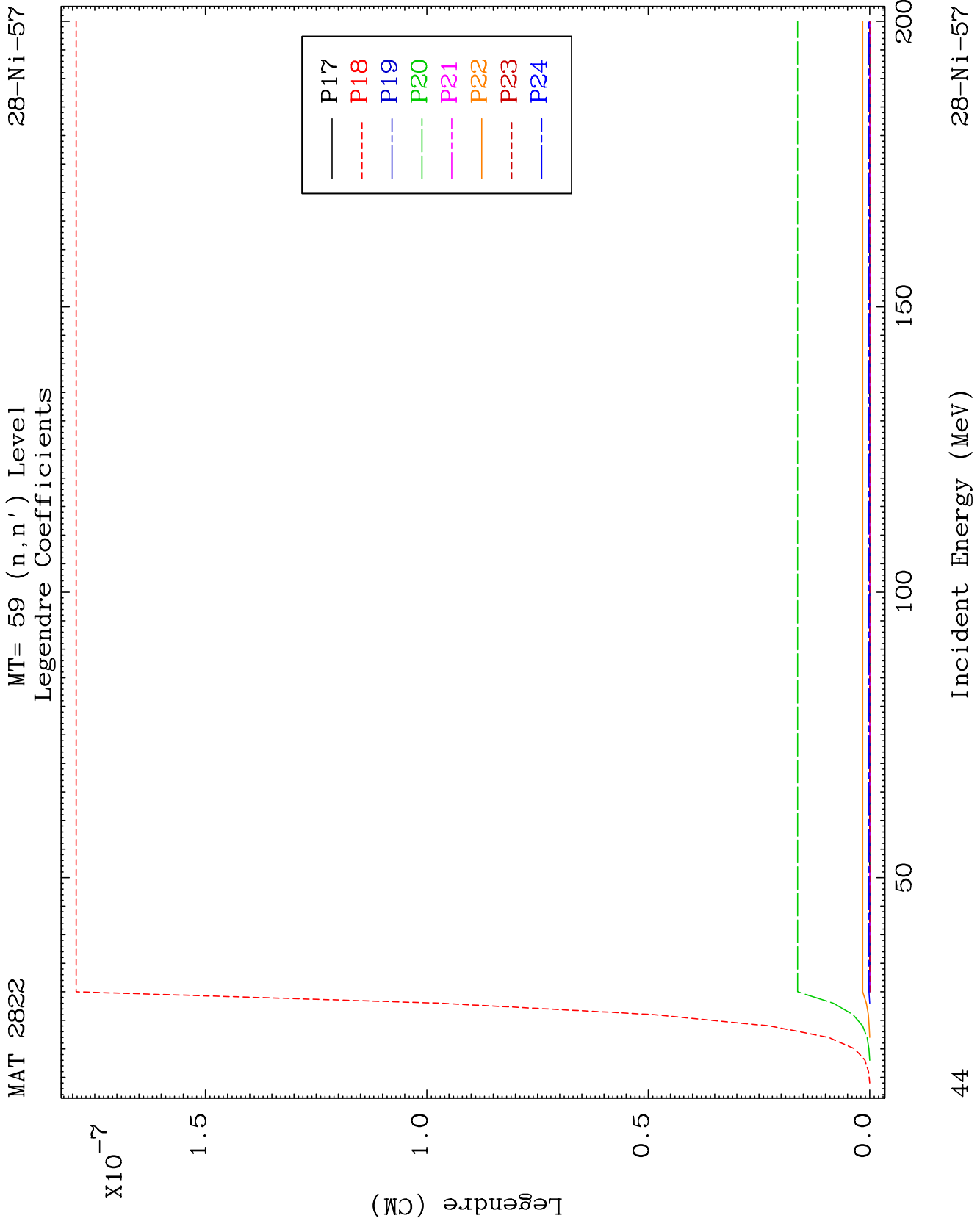
28-Ni-57

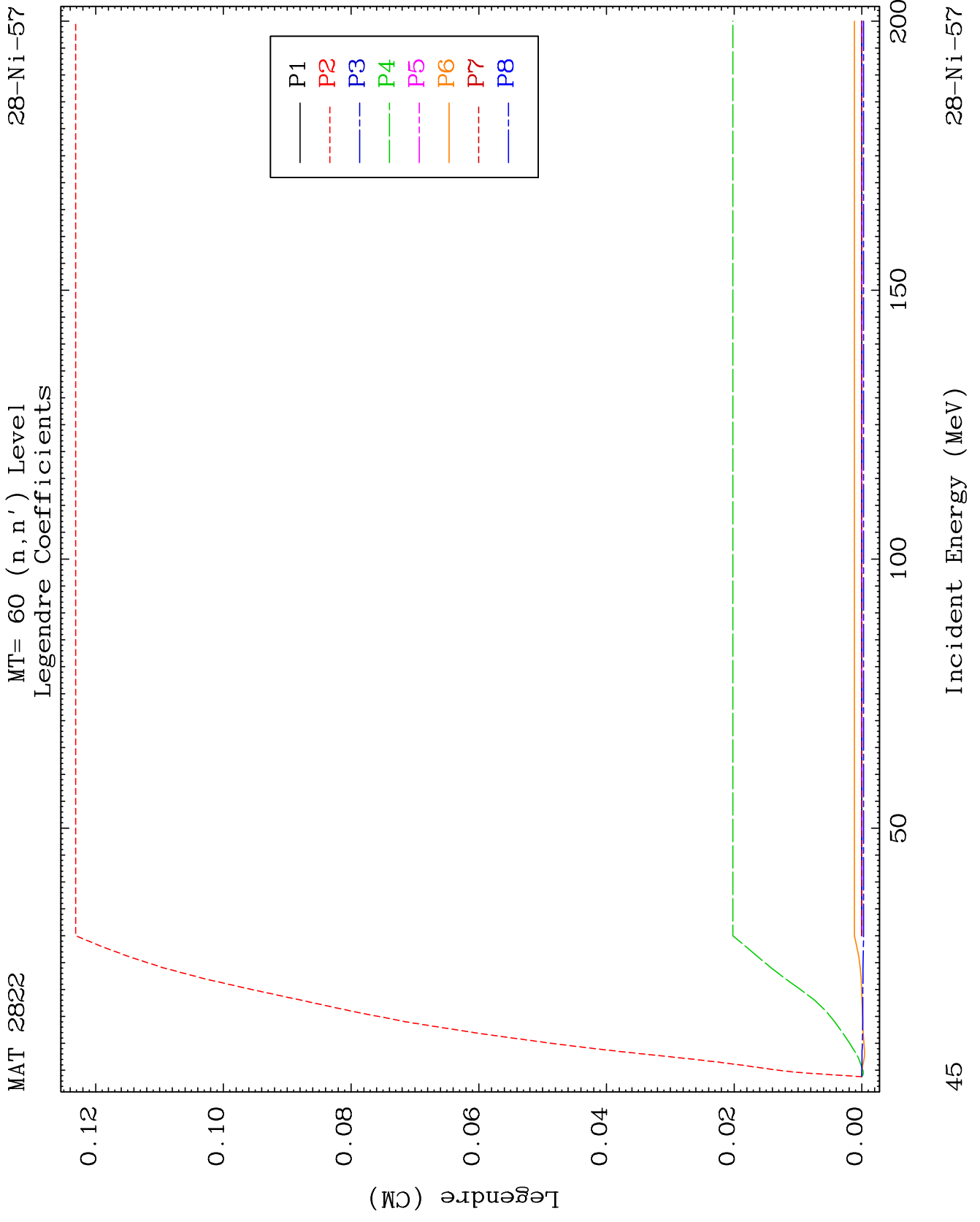


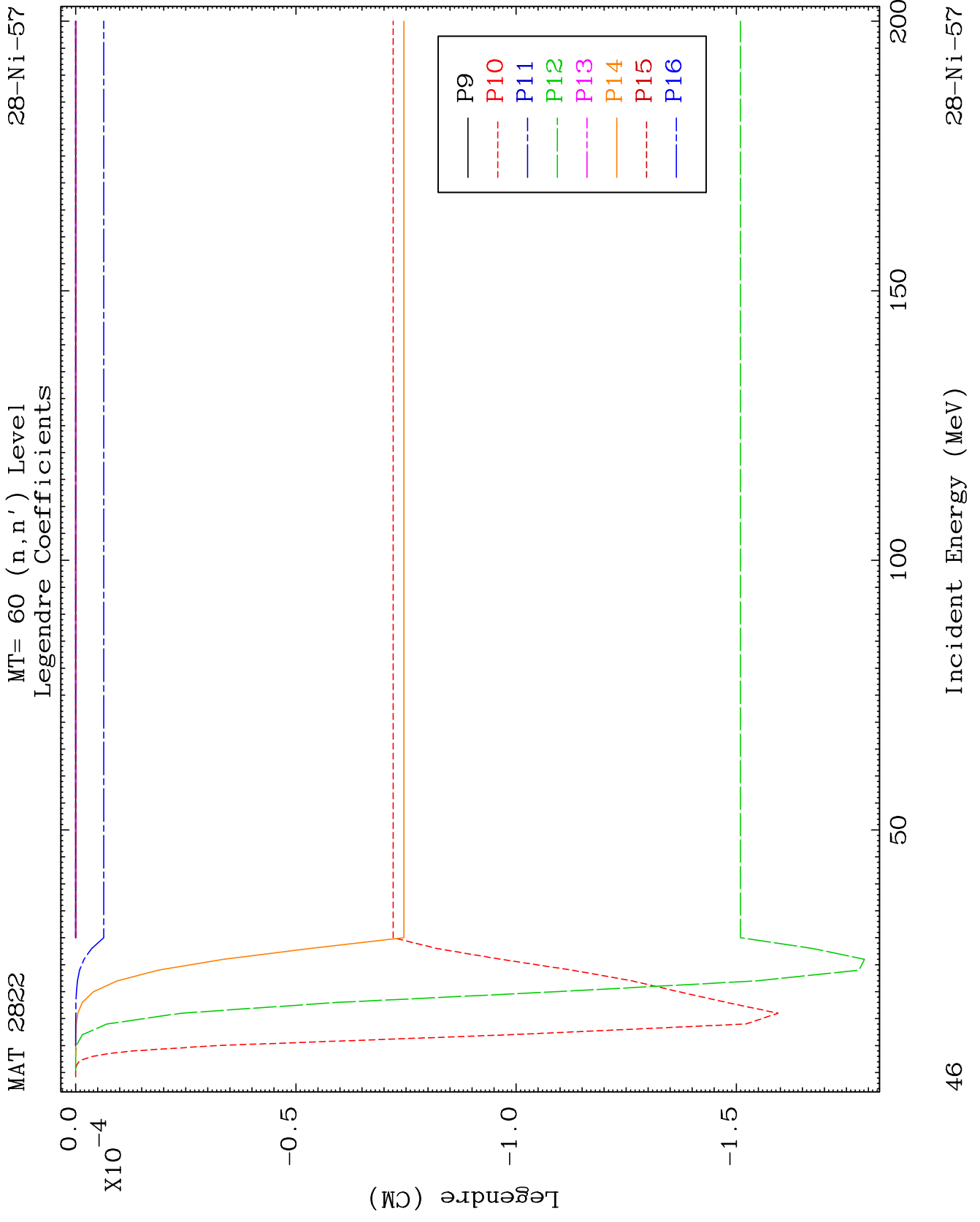
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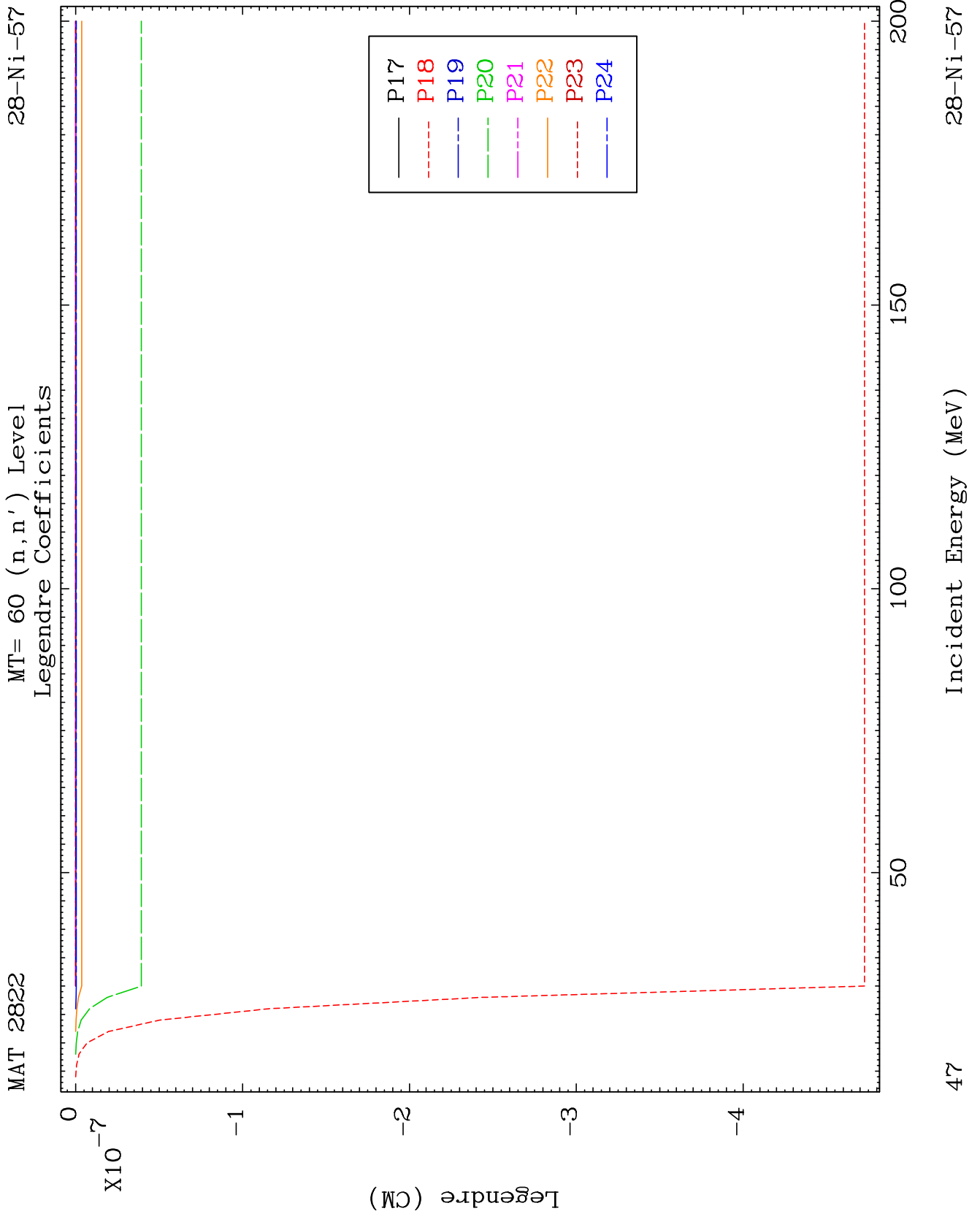
Incident Energy (MeV)

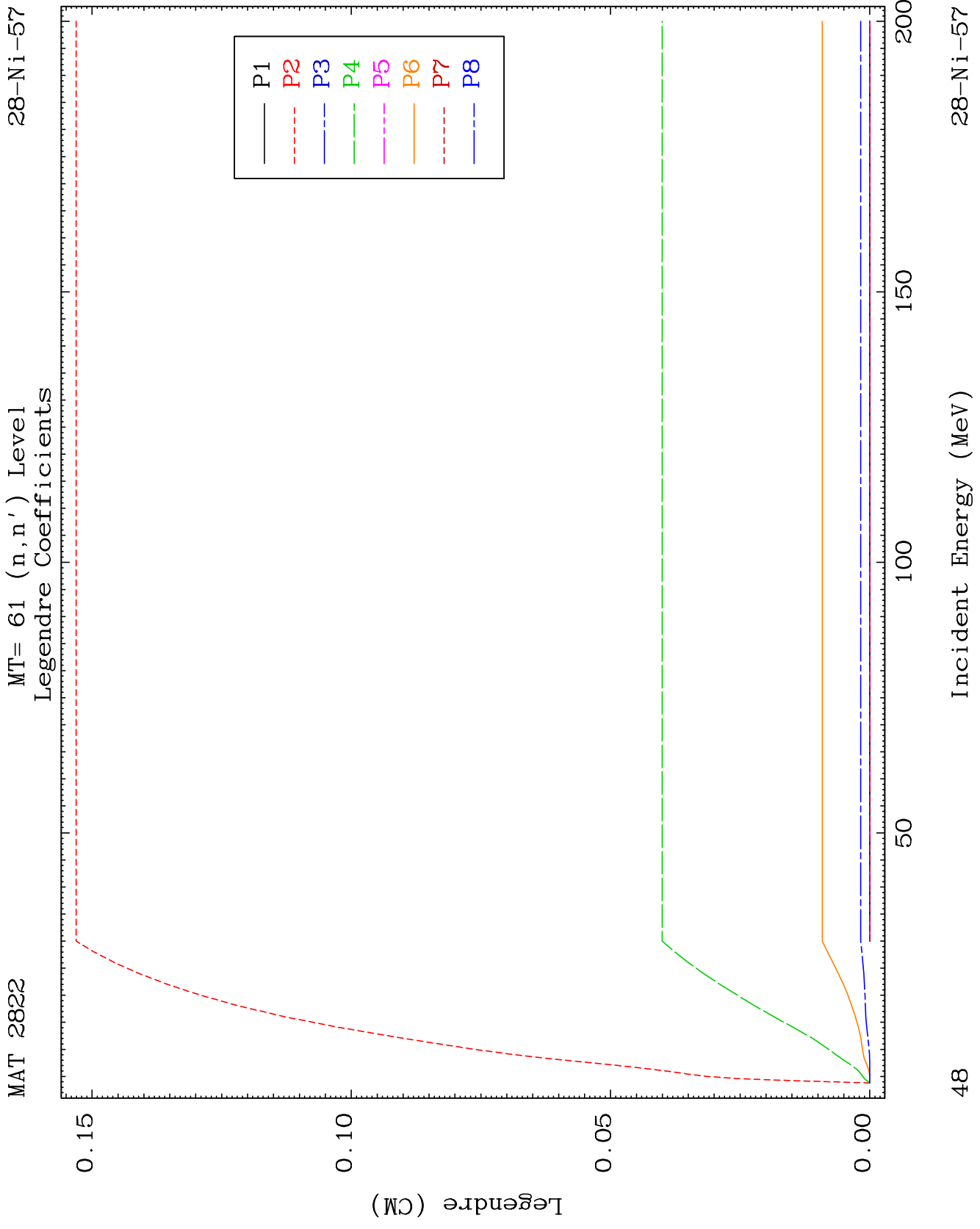
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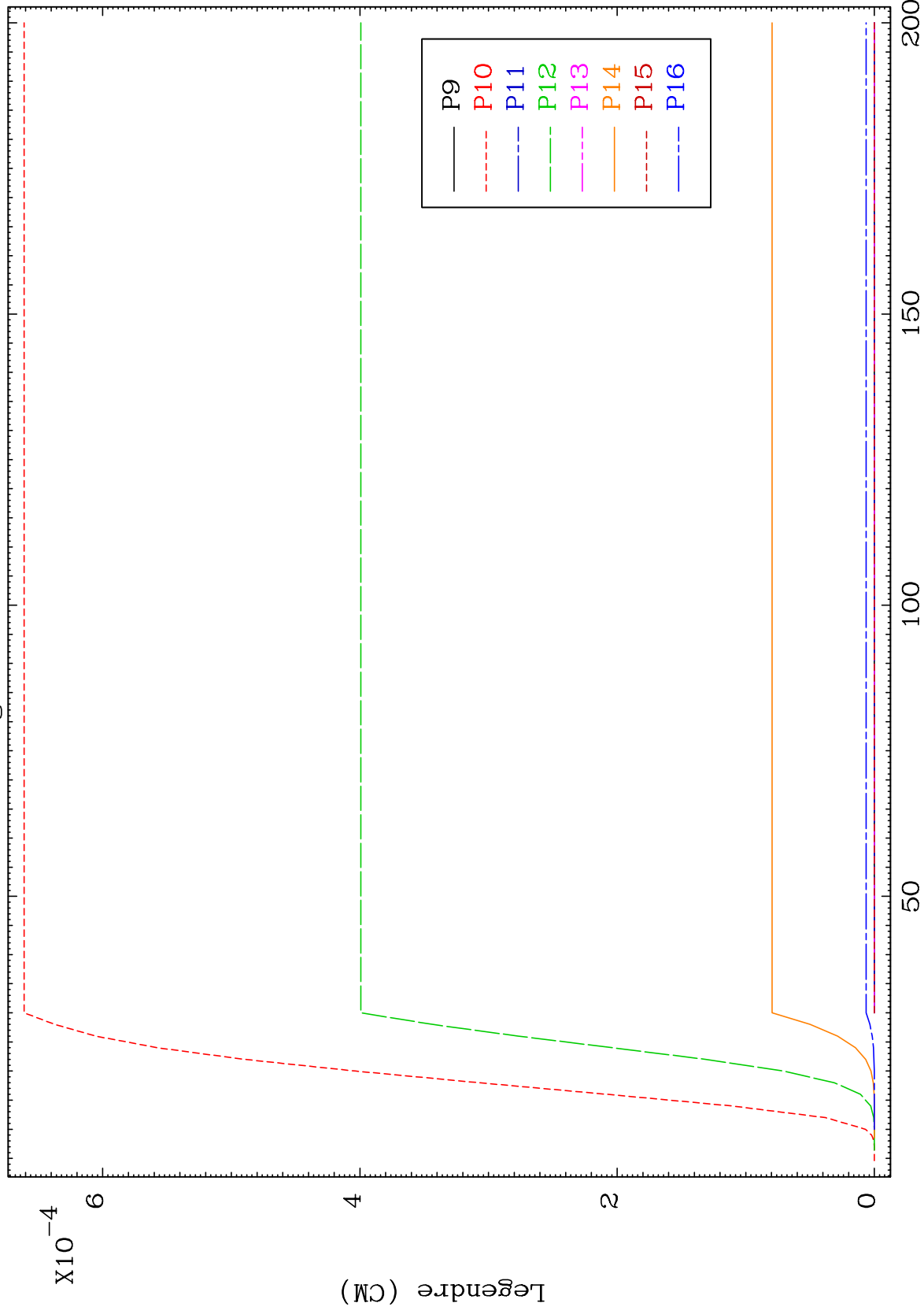




MAT 28222

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

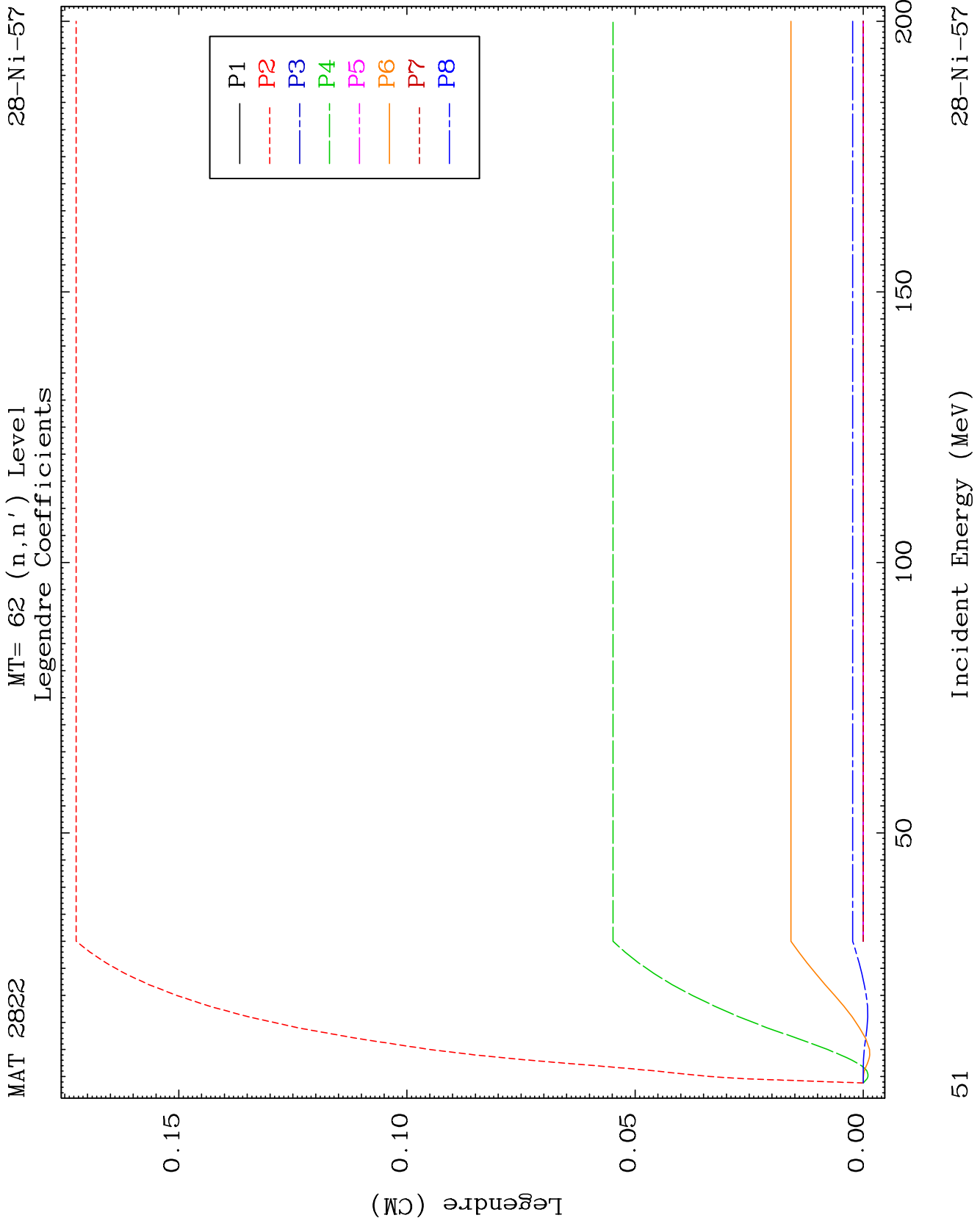
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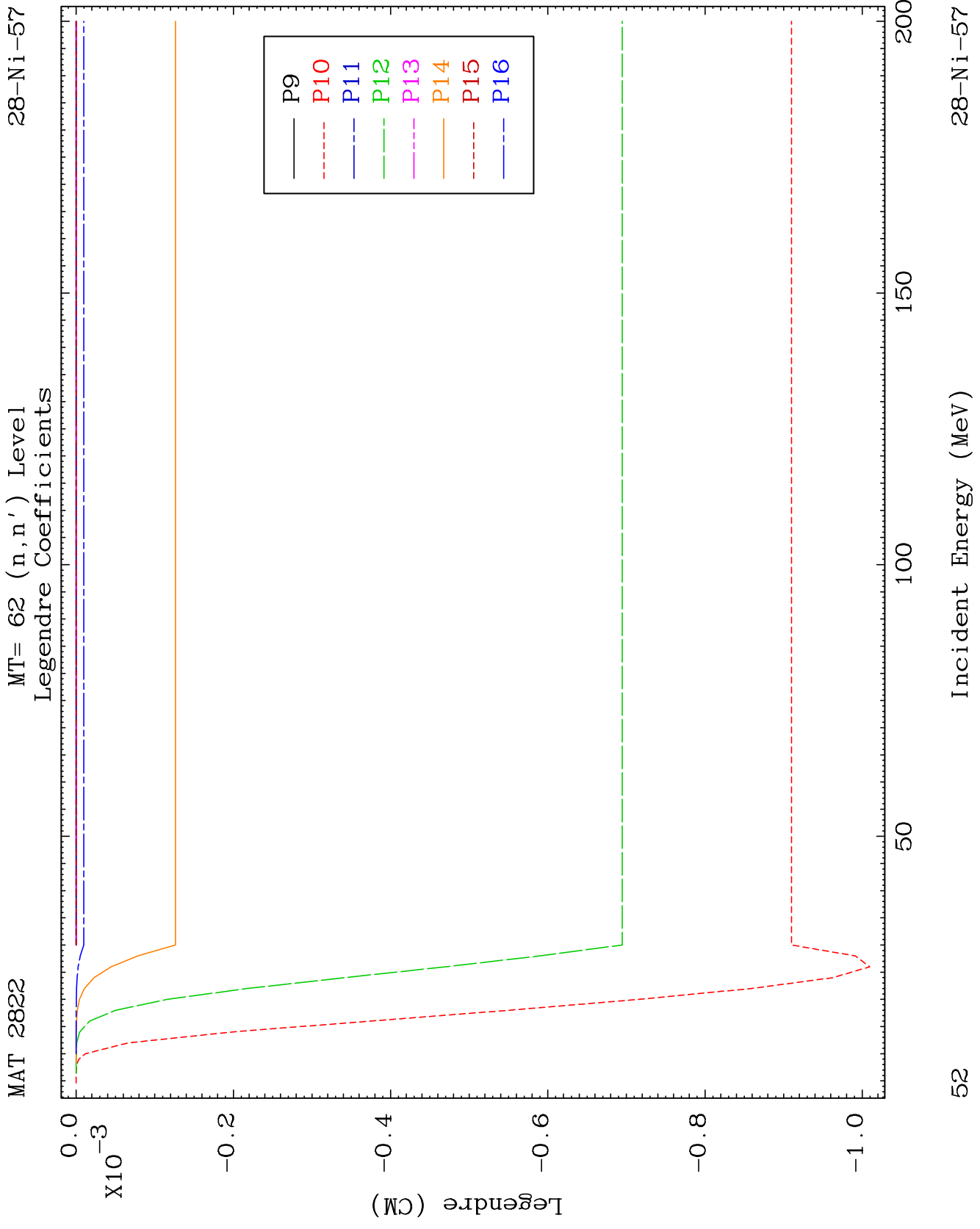


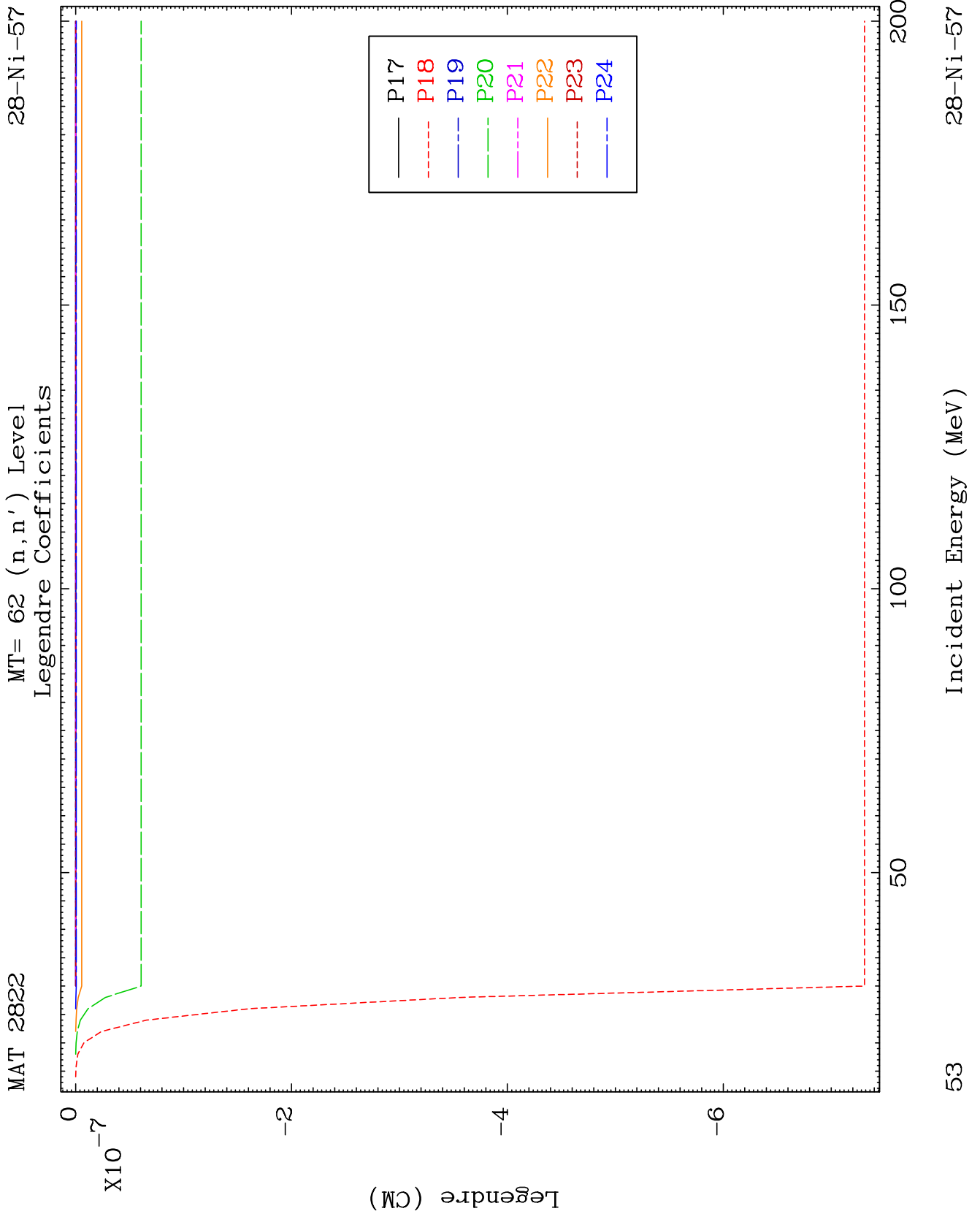
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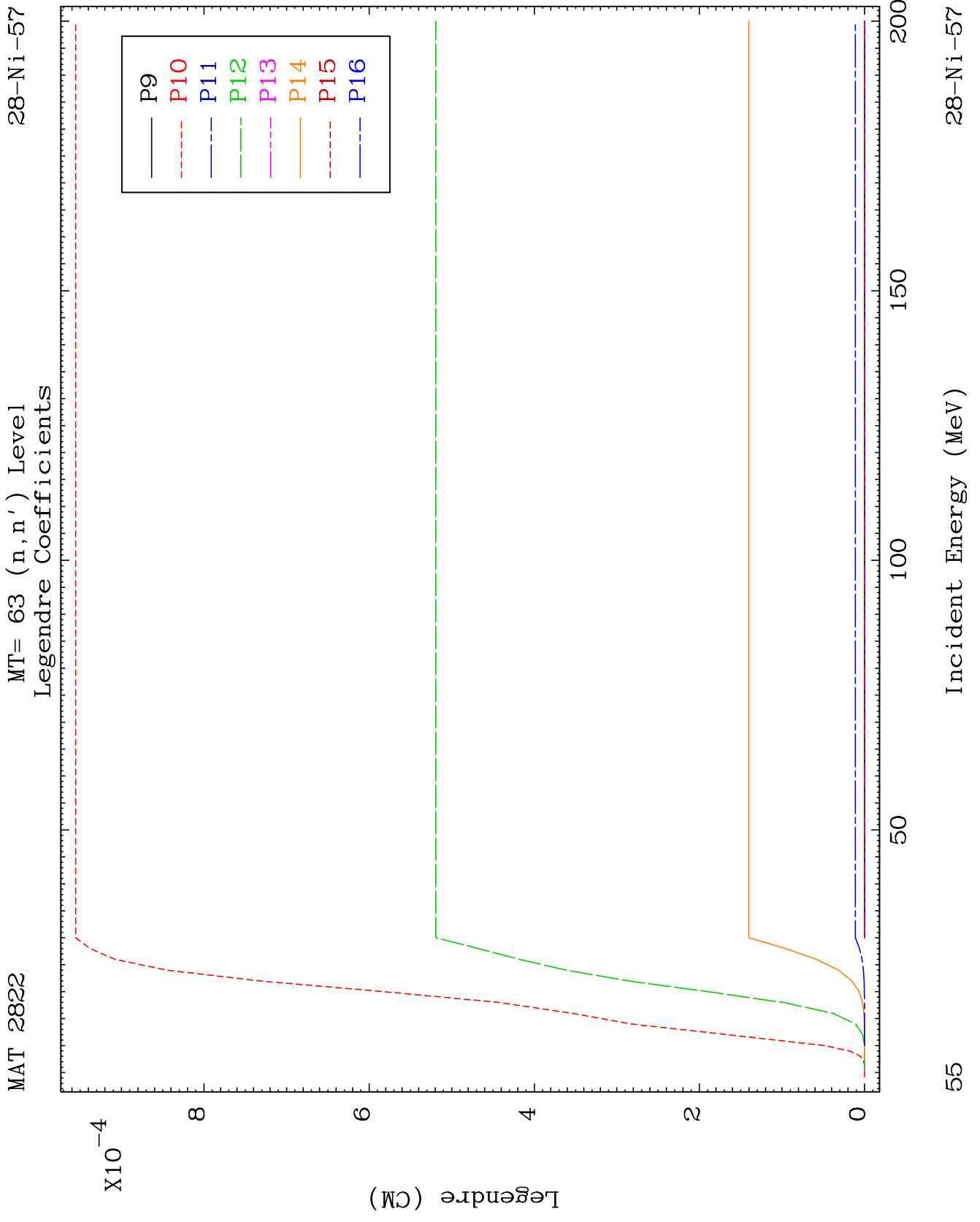
28-Ni-57

200





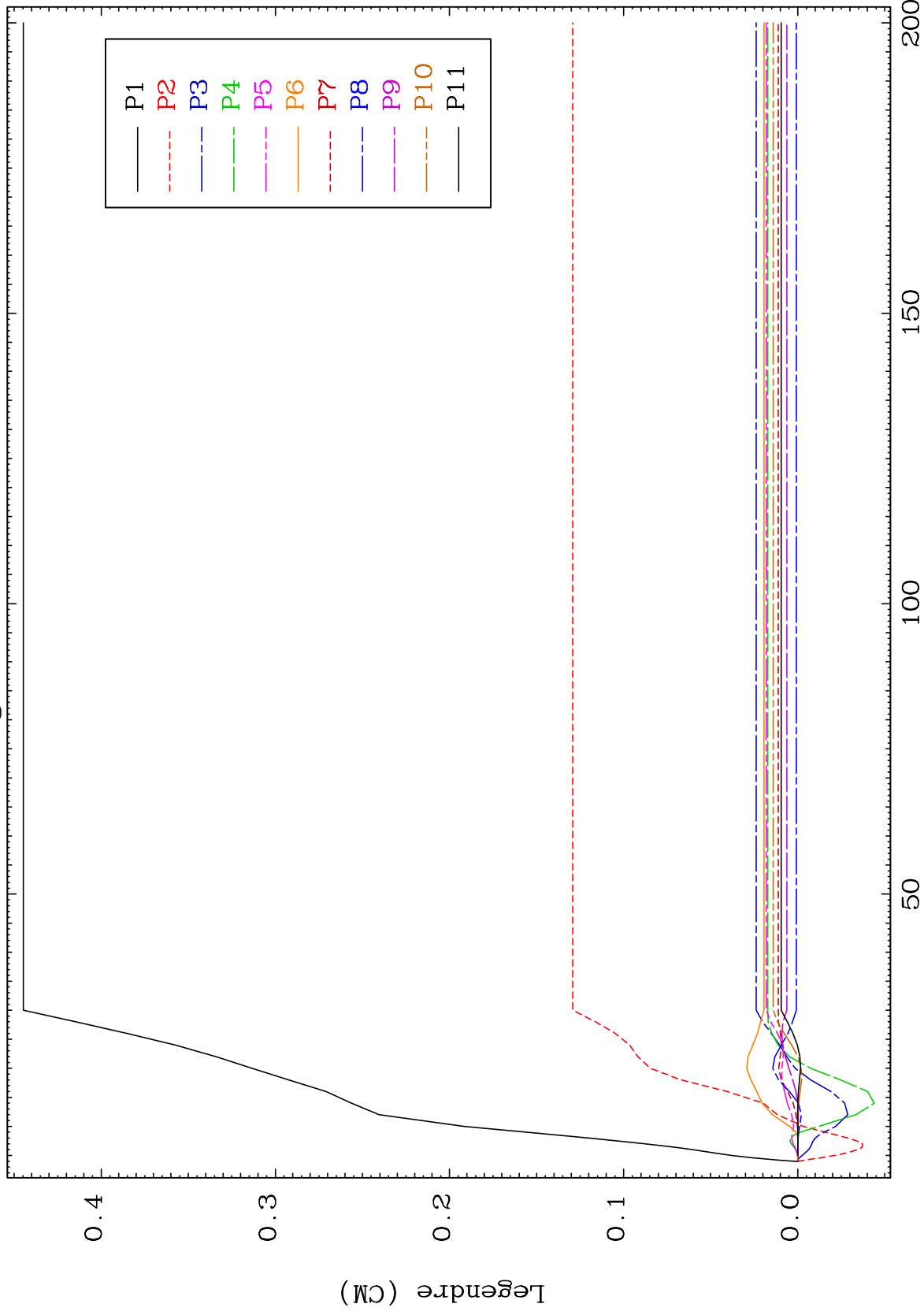




MAT 2822

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

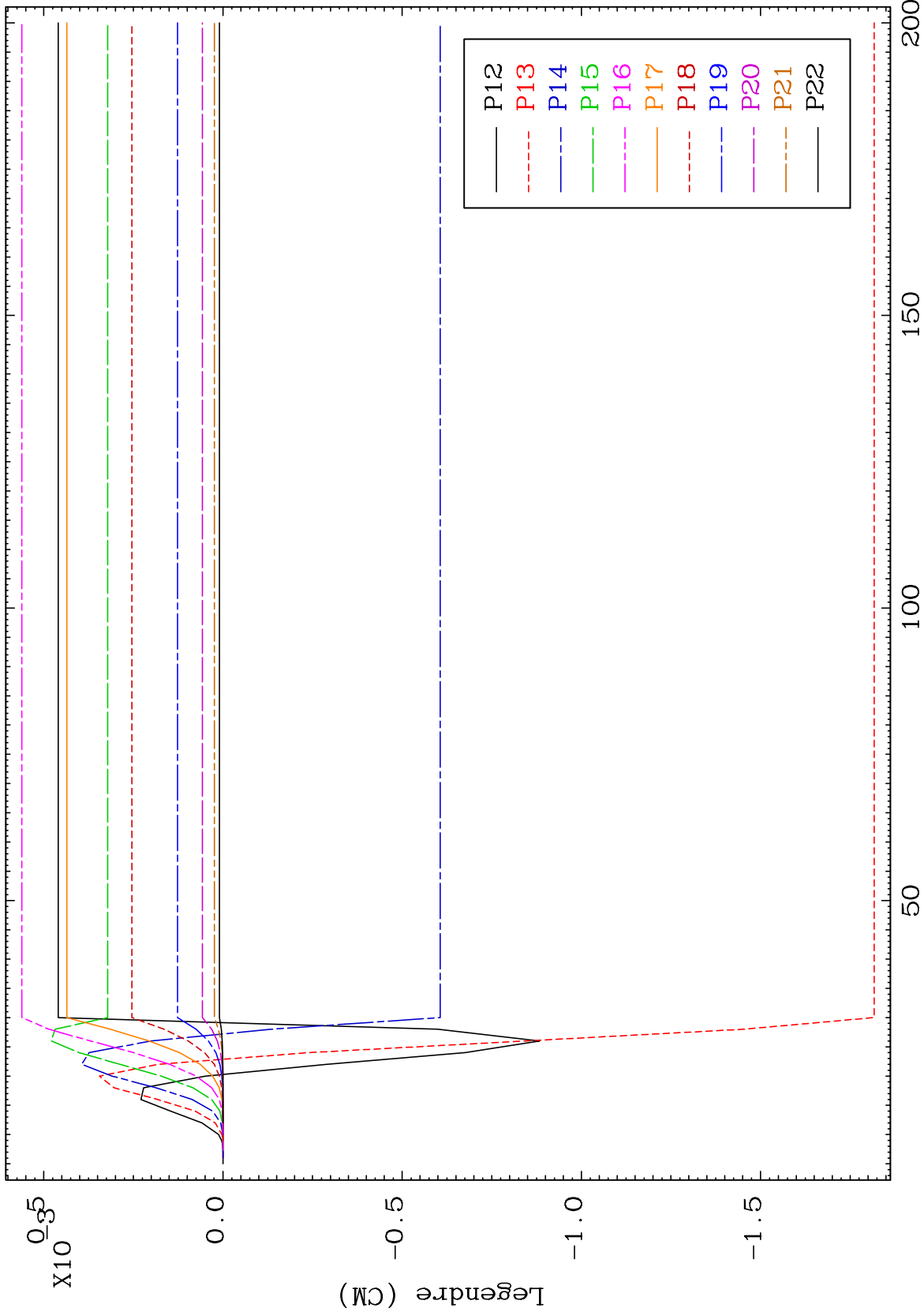
28-Ni-57



57

Incident Energy (MeV)

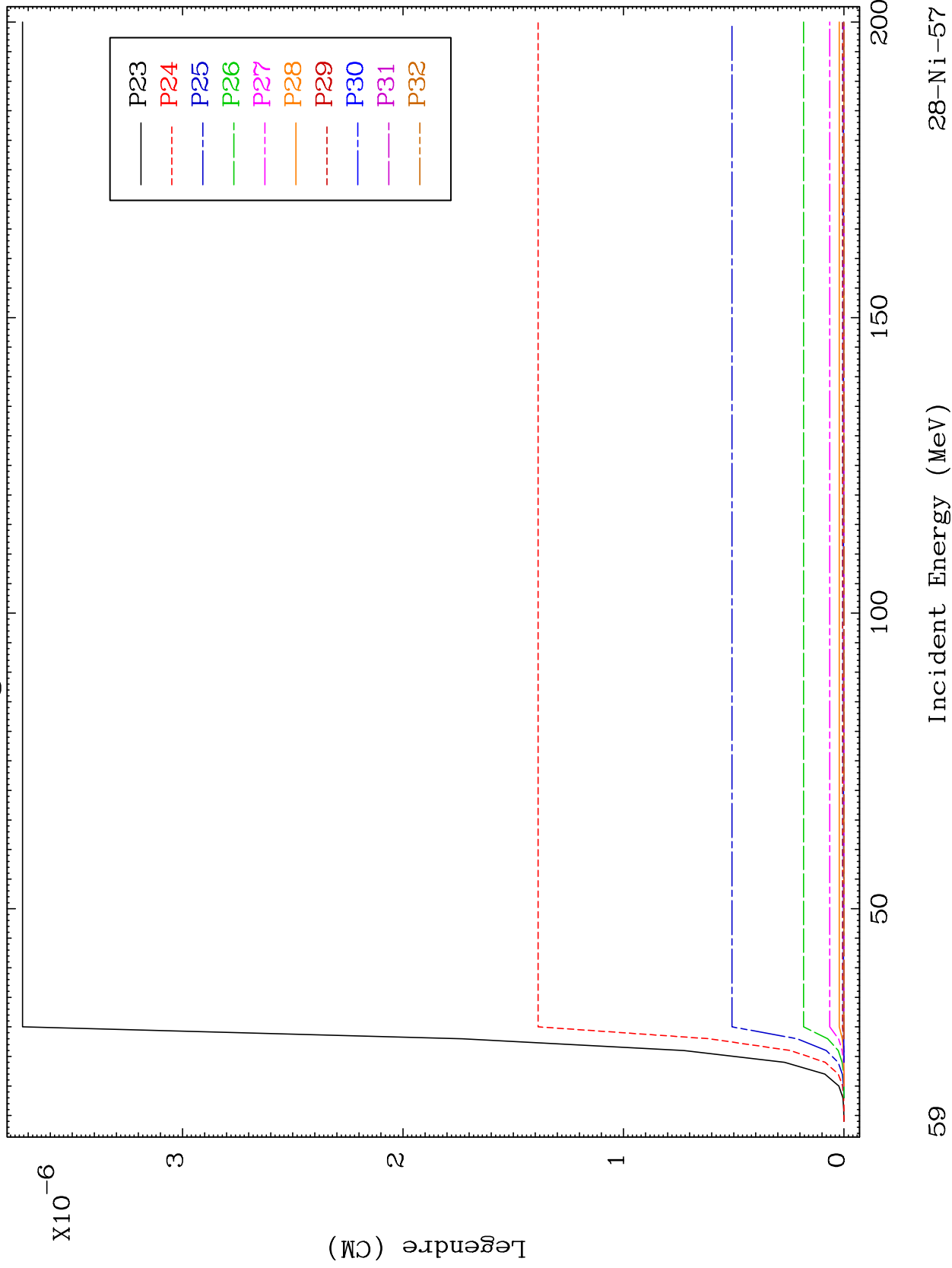
28-Ni-57



MAT 2822

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

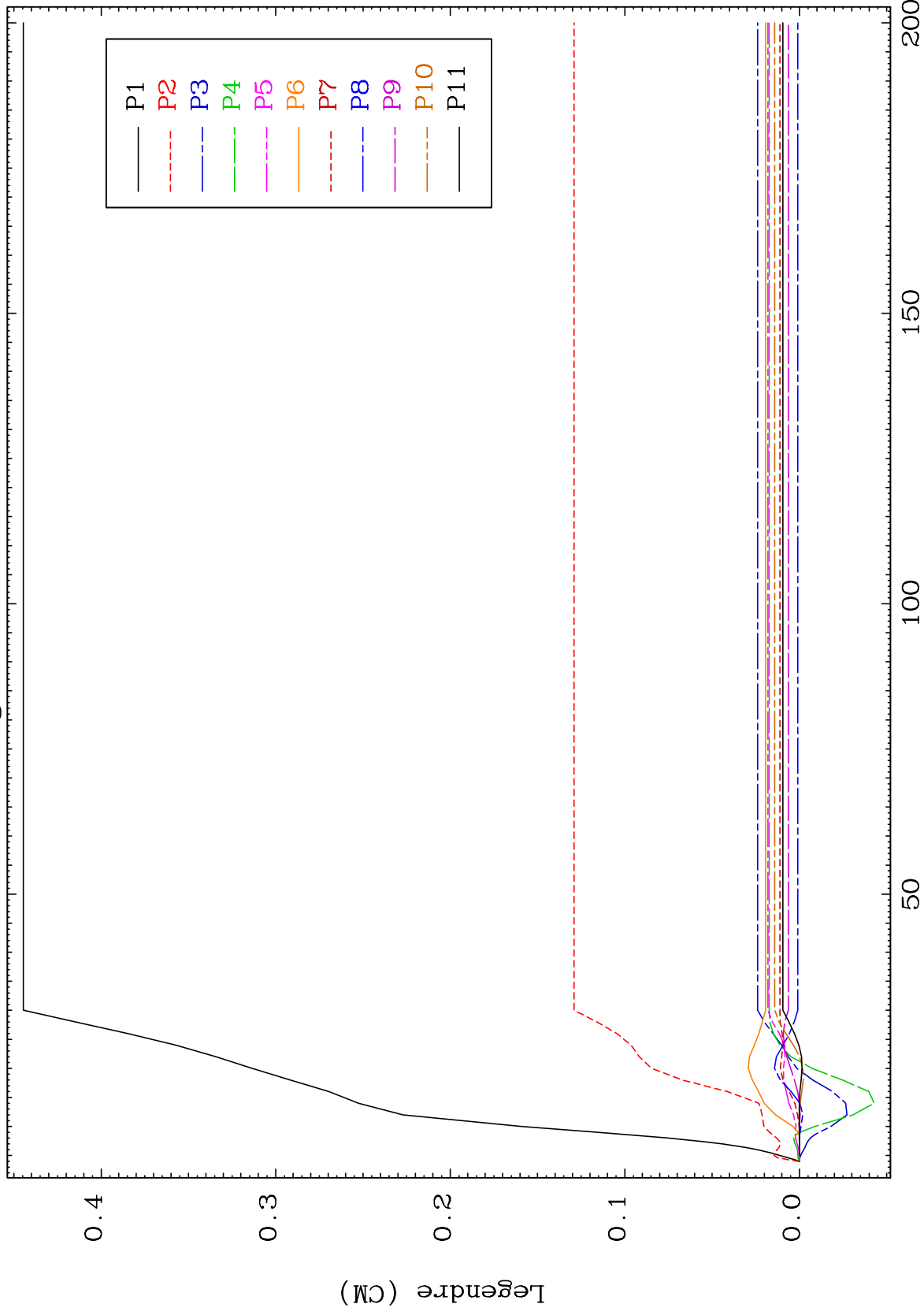
28-Ni-57

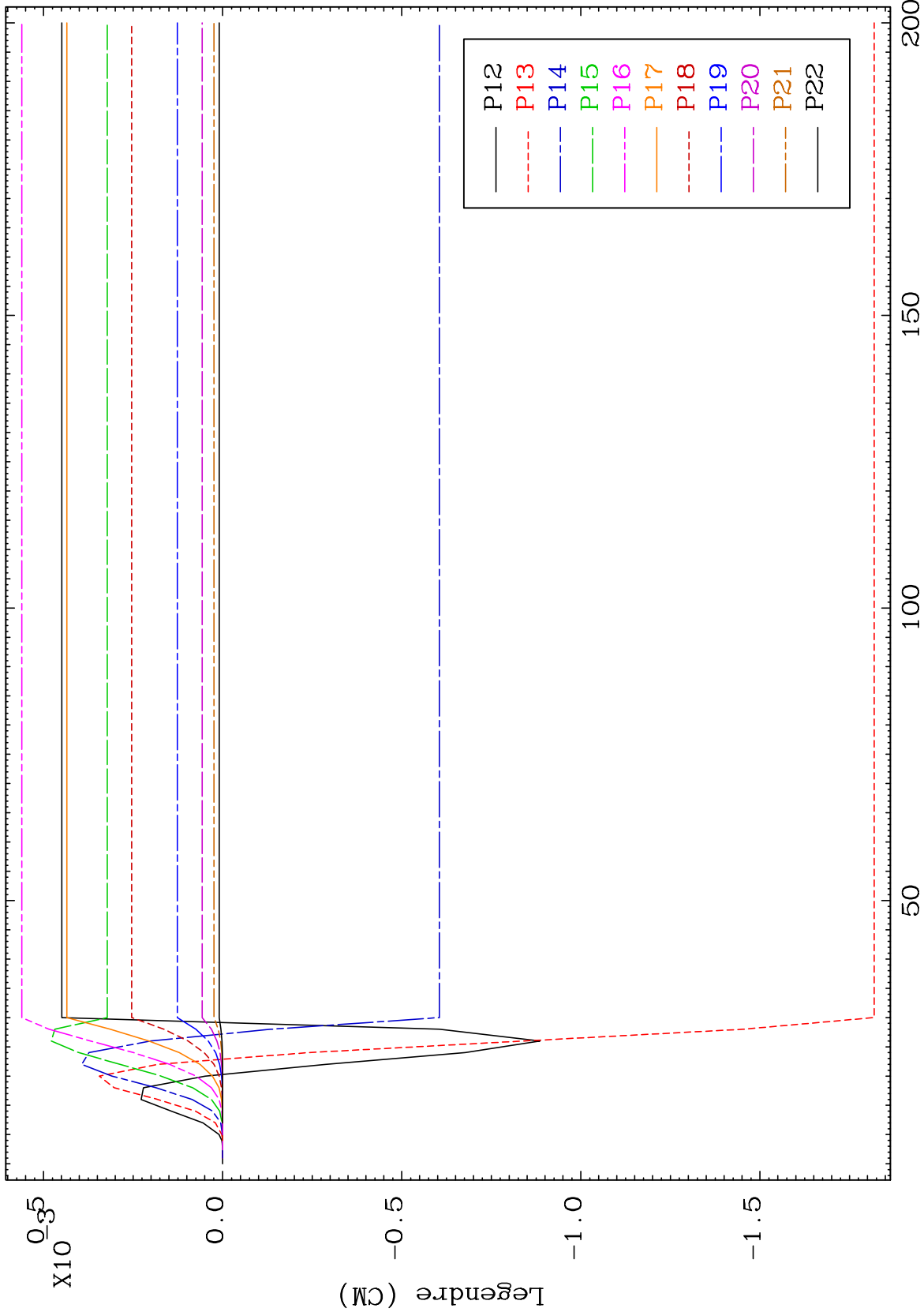


MAT 2822

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

28-Ni-57

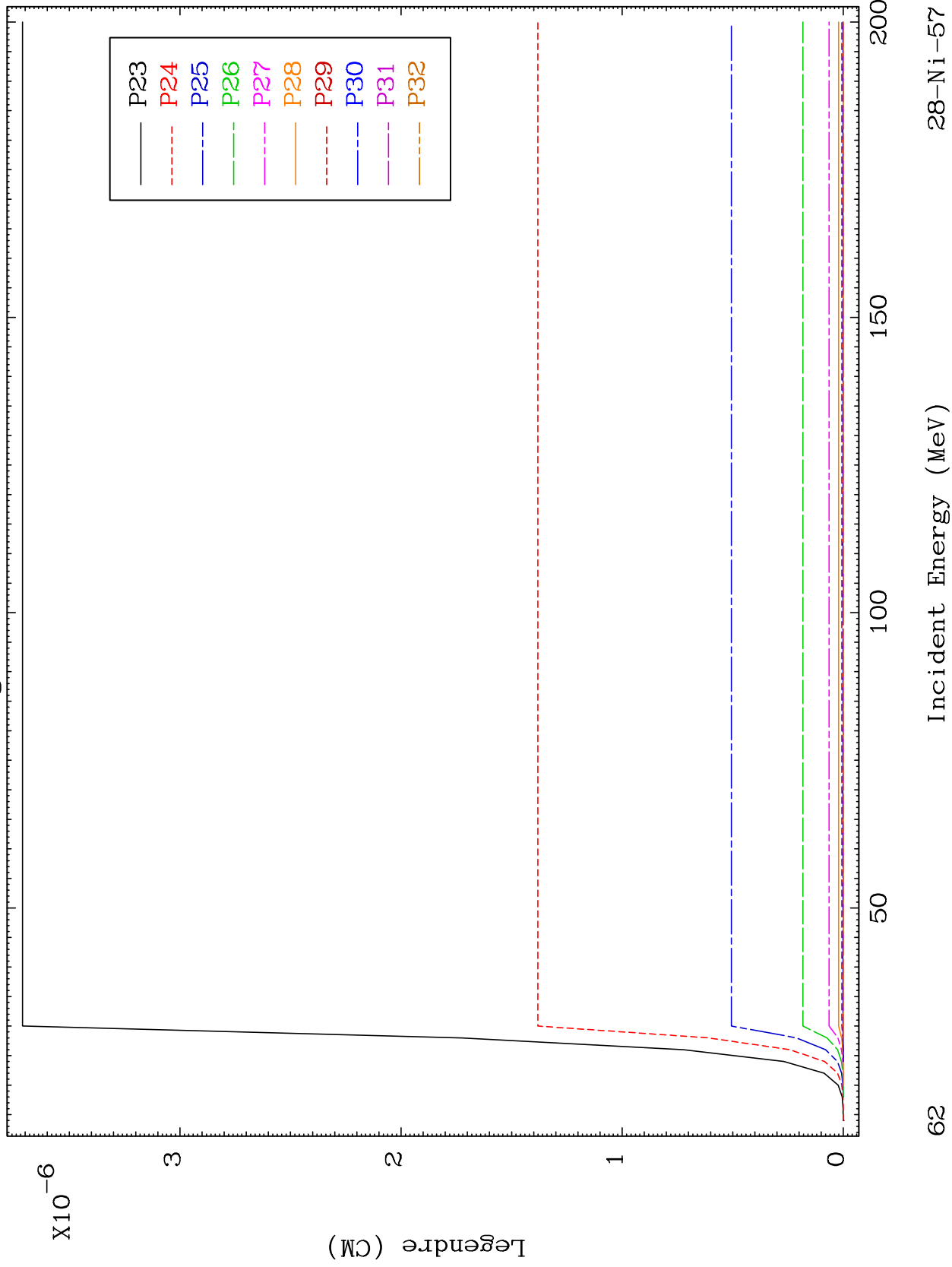




MAT 2822

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

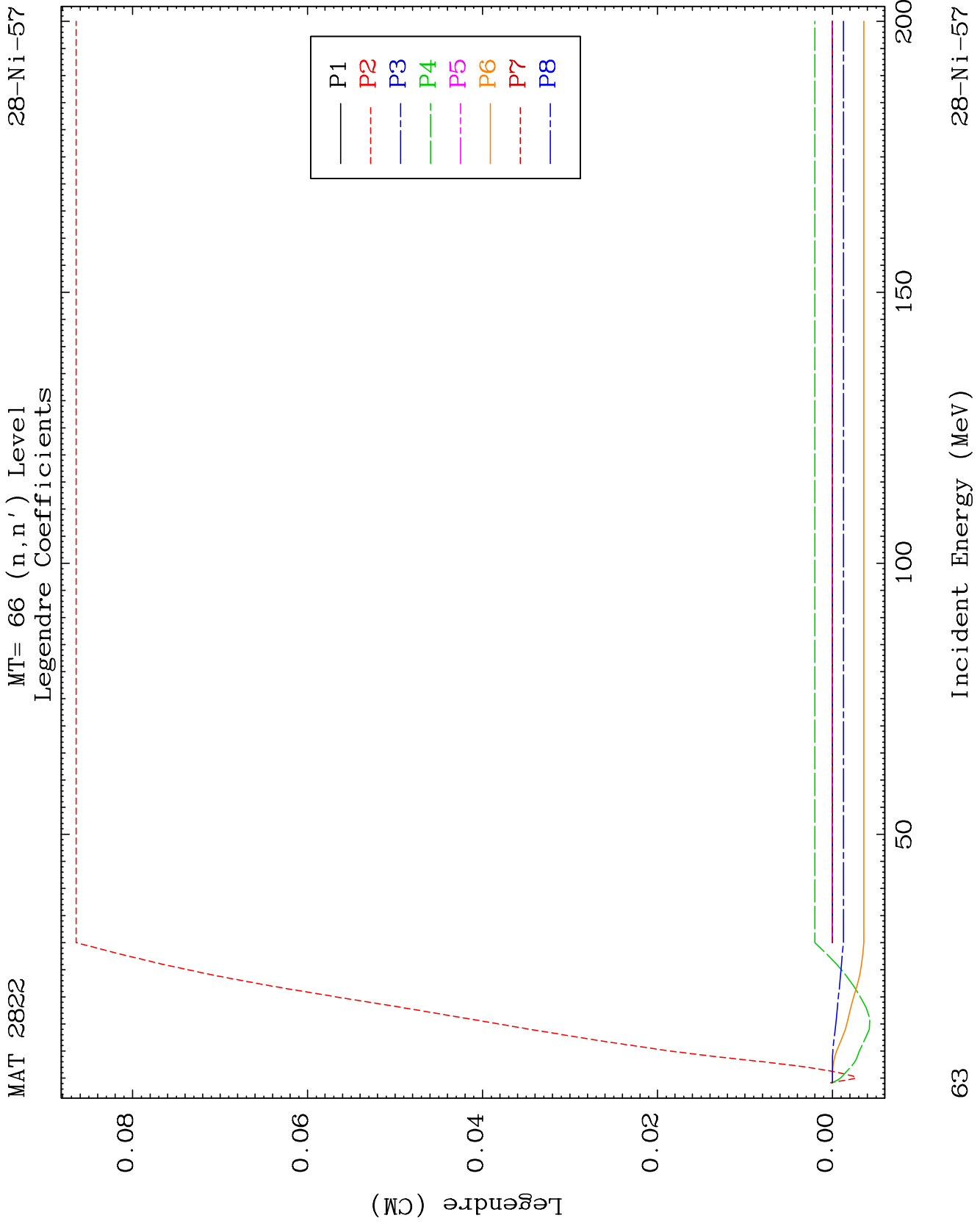
28-Ni-57



62

Incident Energy (MeV)

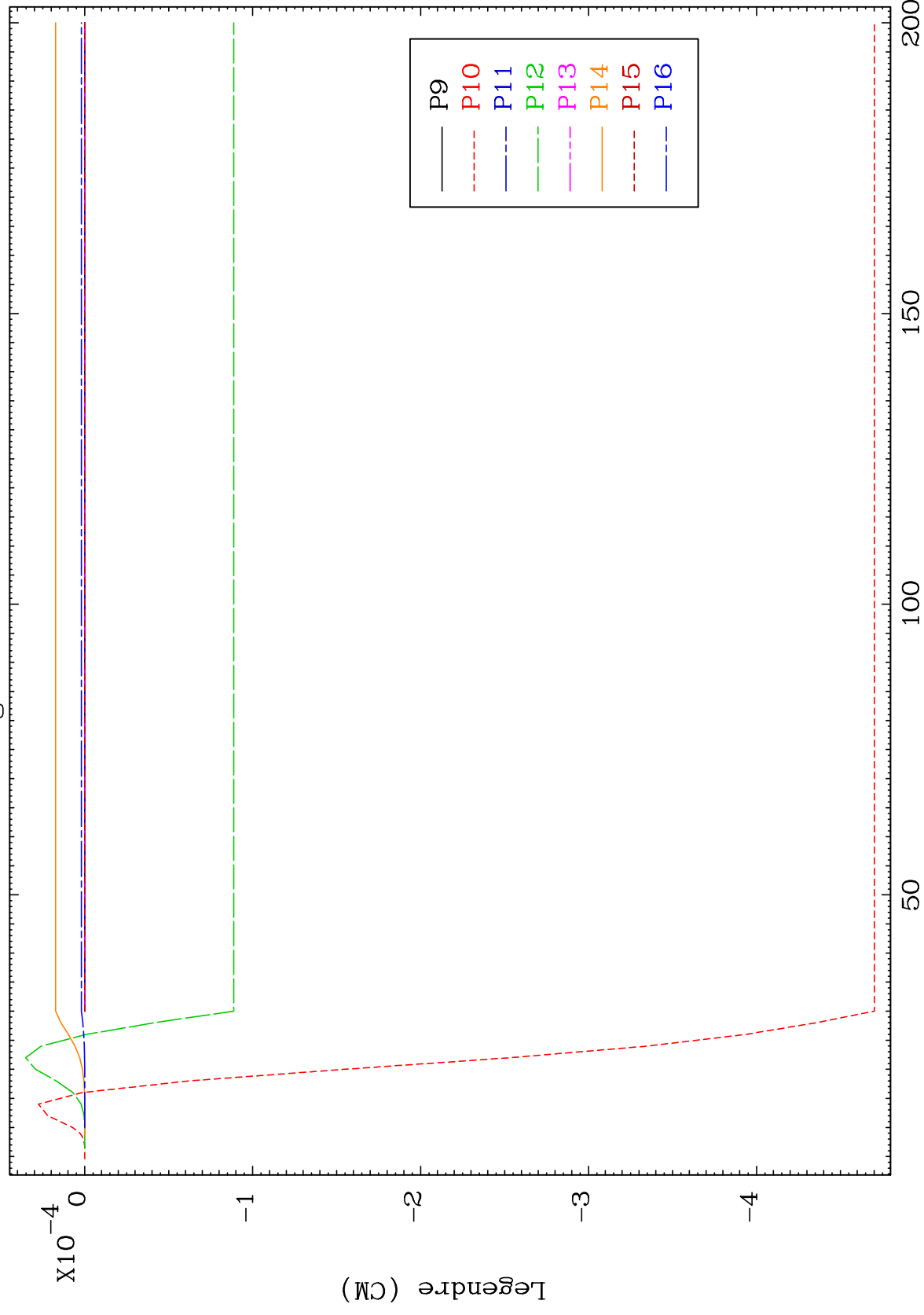
28-Ni-57



MAT 2822

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

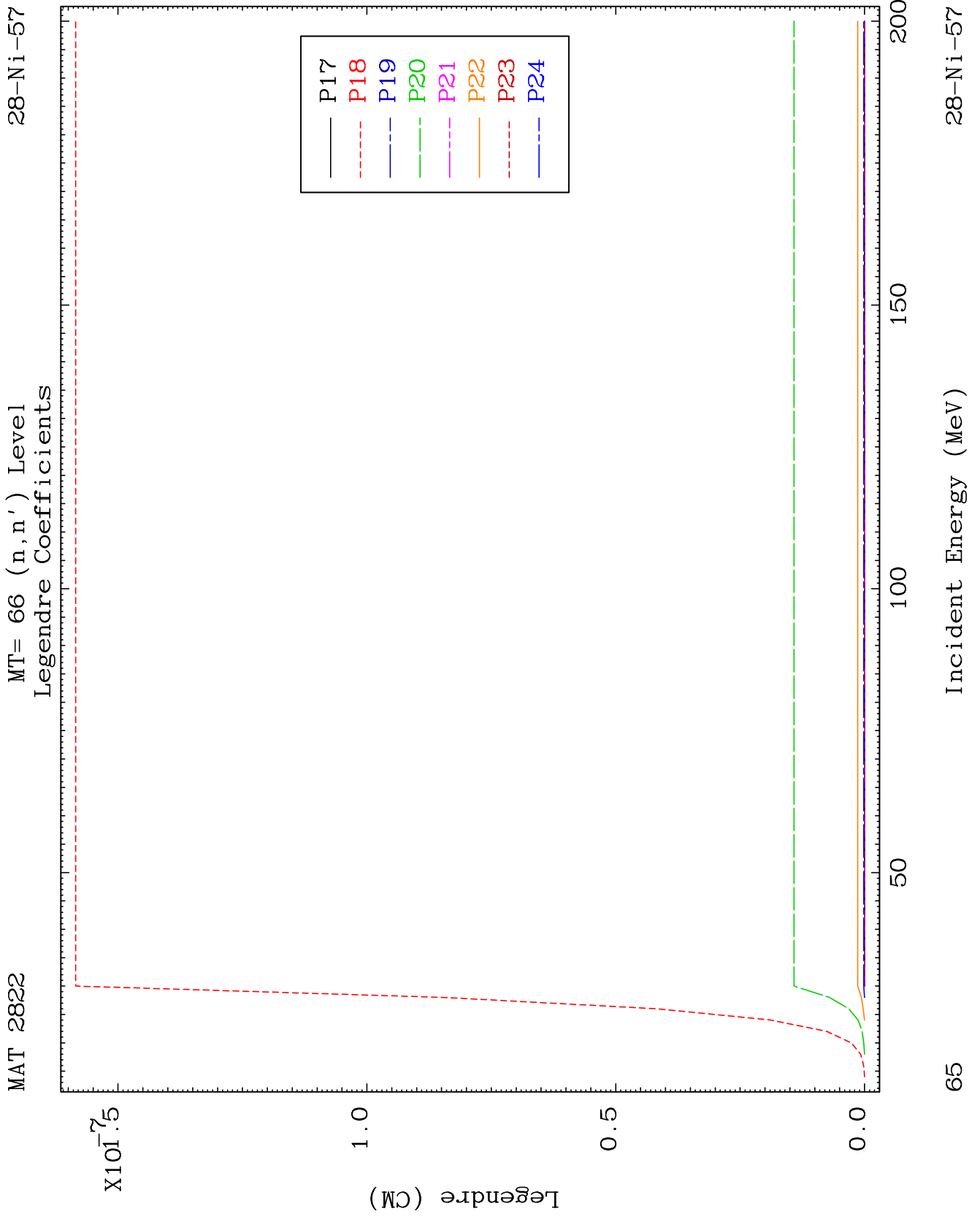
28-Ni-57



64

Incident Energy (MeV)

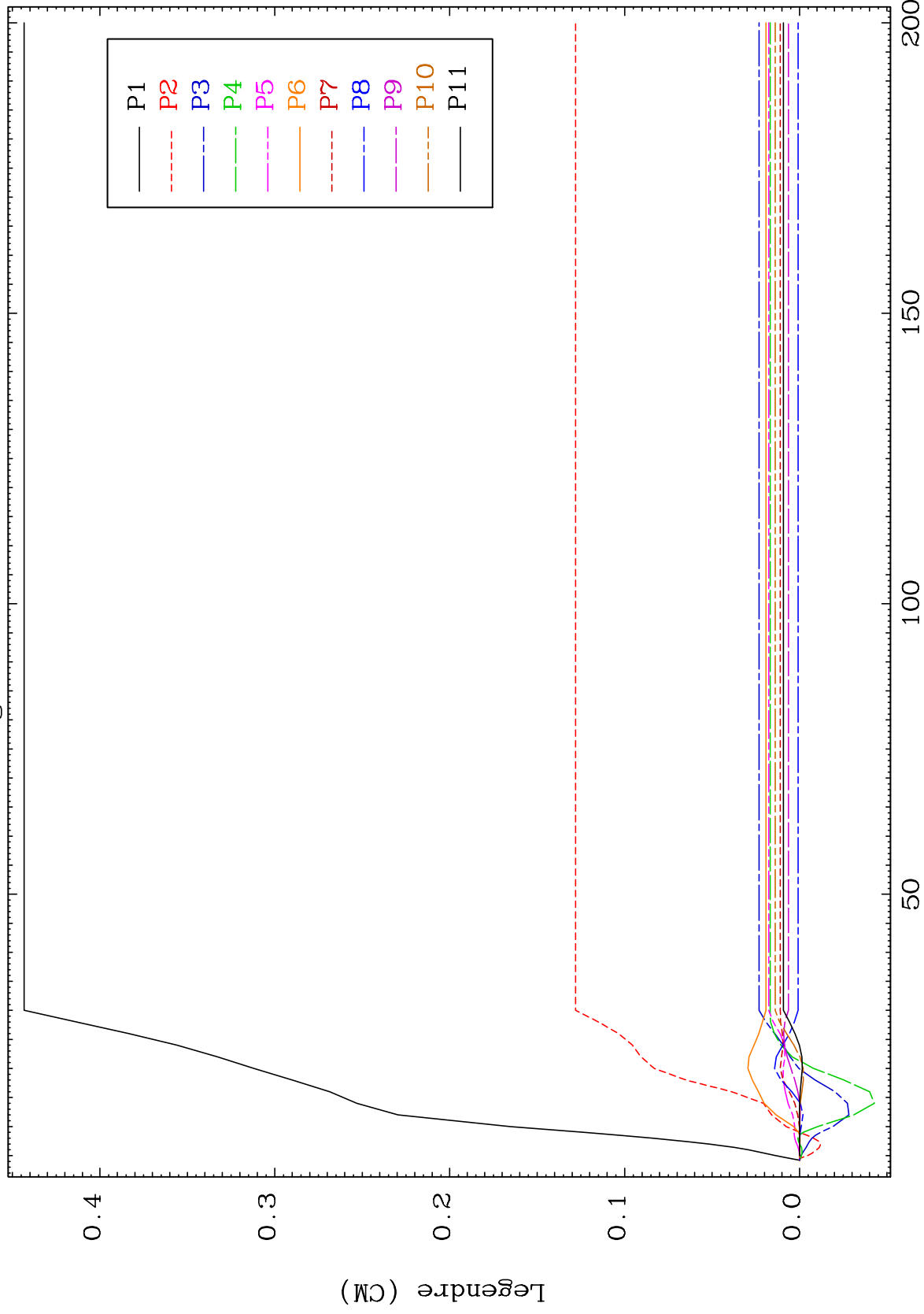
28-Ni-57



MAT 28222

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

28-Ni-57



66

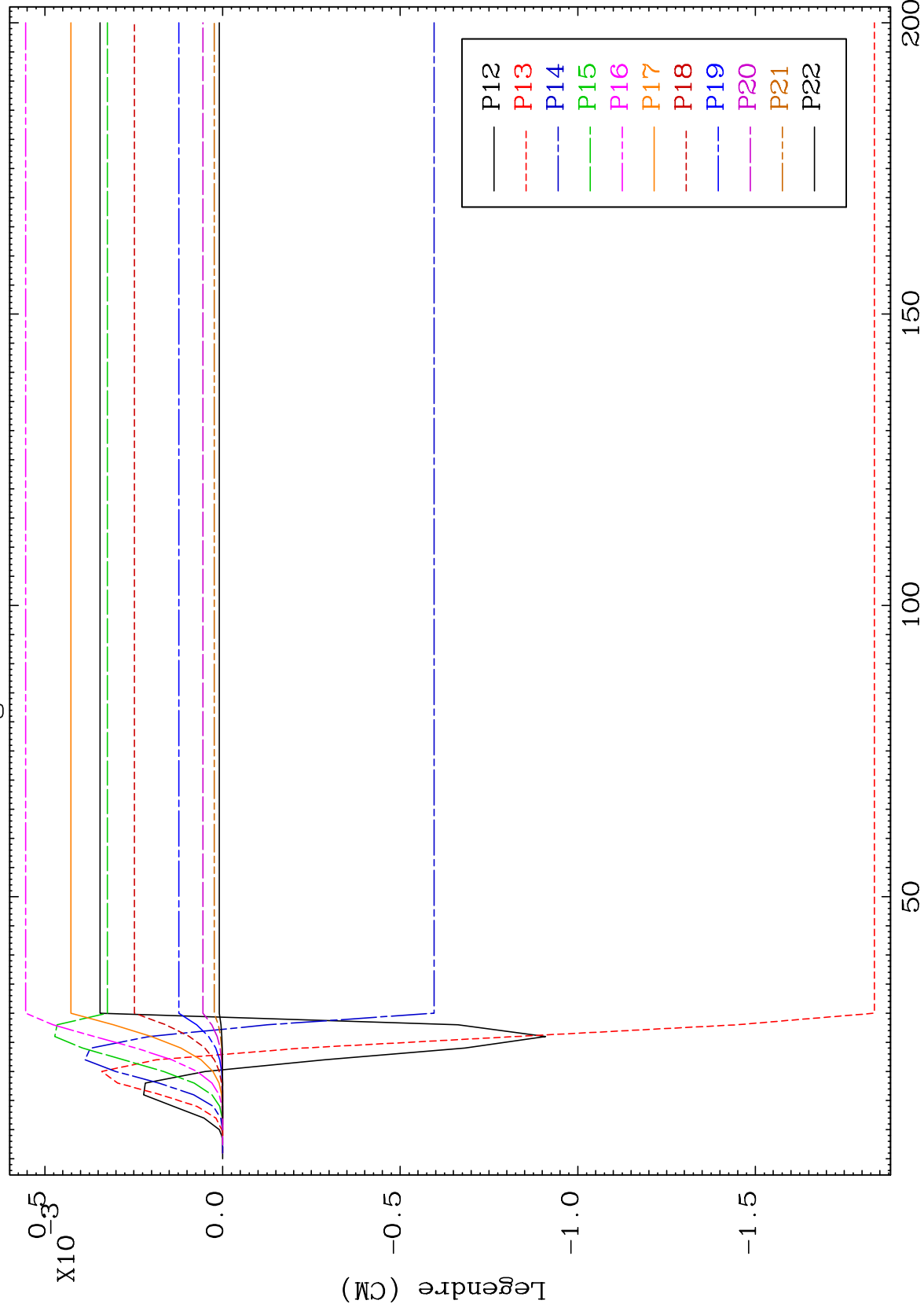
Incident Energy (MeV)

28-Ni-57

MAT 28222

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

28-Ni-57



67

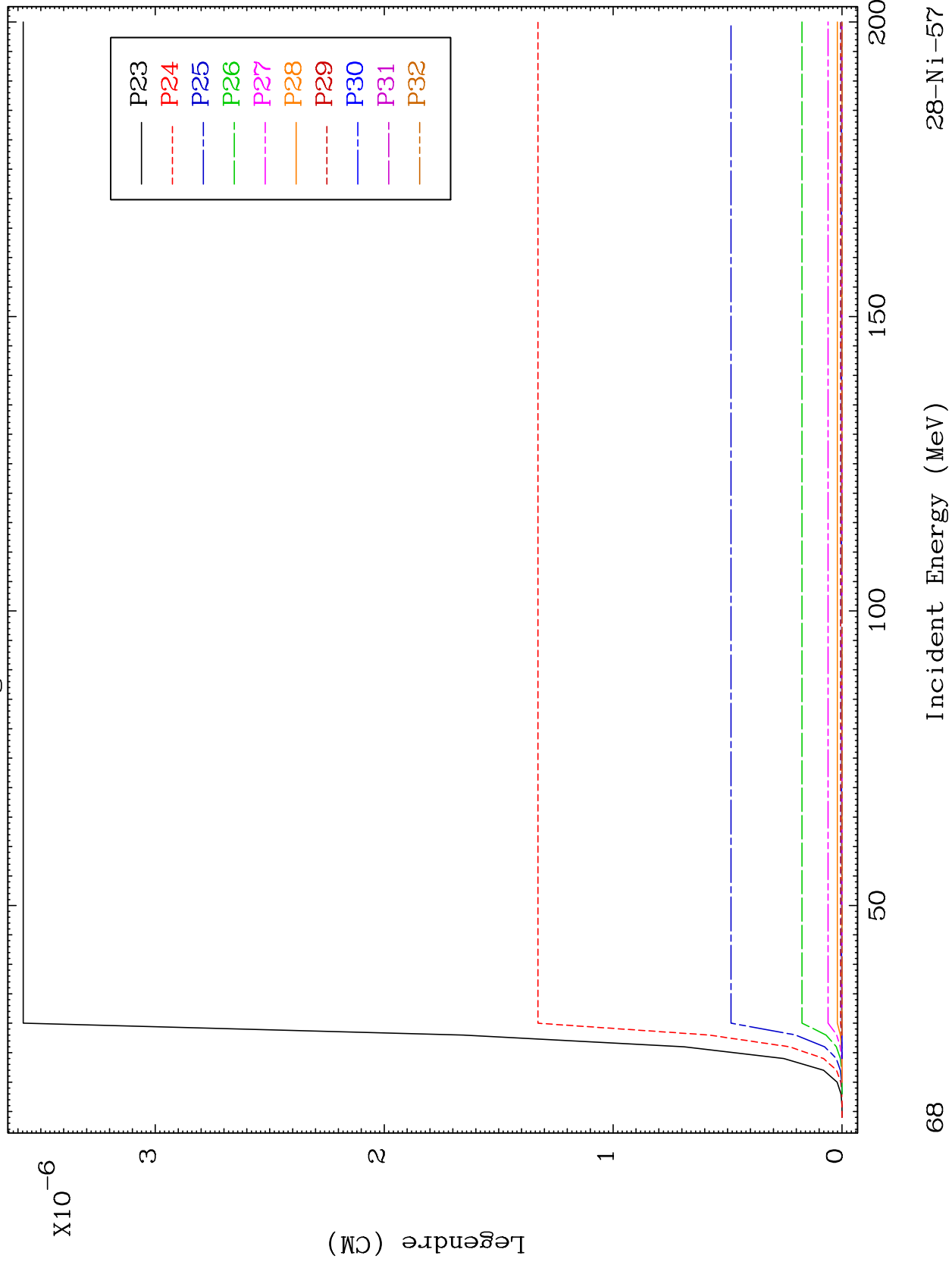
Incident Energy (MeV)

28-Ni-57

MAT 2822

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

28-Ni-57



68

Incident Energy (MeV)

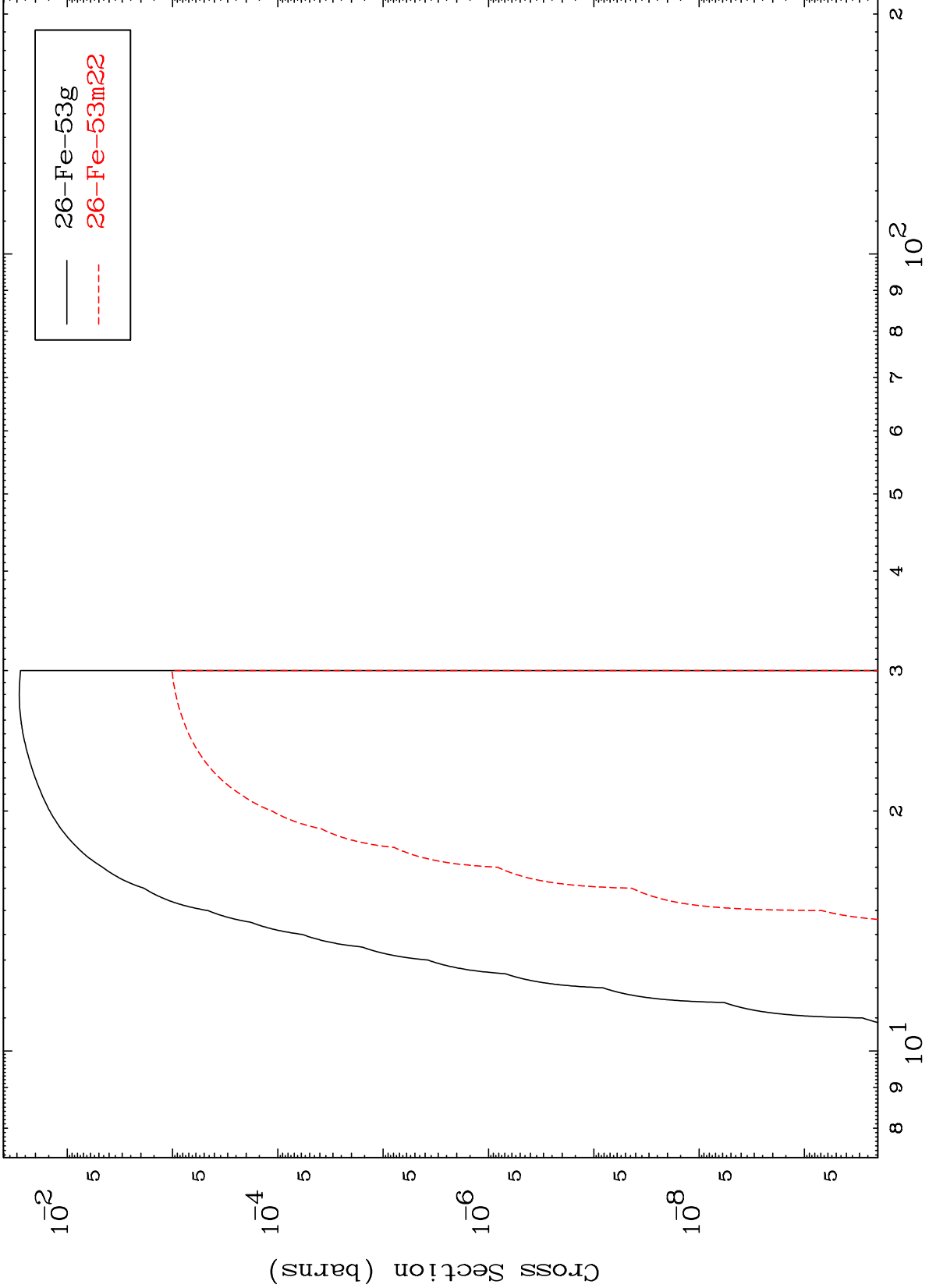
28-Ni-57

MAT 2822

$(n, n') \alpha$

28-Ni-57

Radionuclide Production Cross Section



69

Incident Energy (MeV)

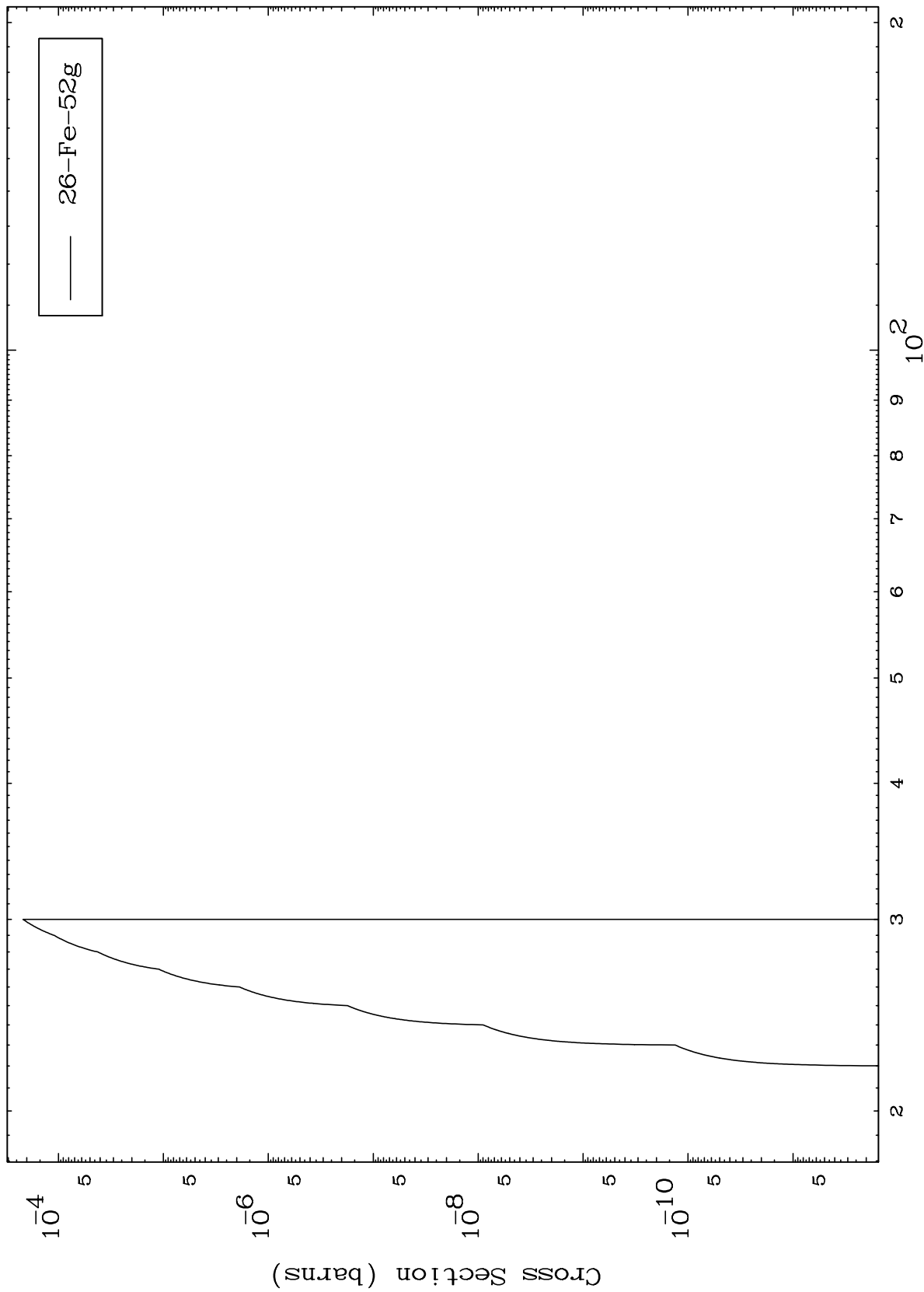
28-Ni-57

MAT 2822

(n,2n) α

28-Ni-57

Radionuclide Production Cross Section



70

Incident Energy (MeV)

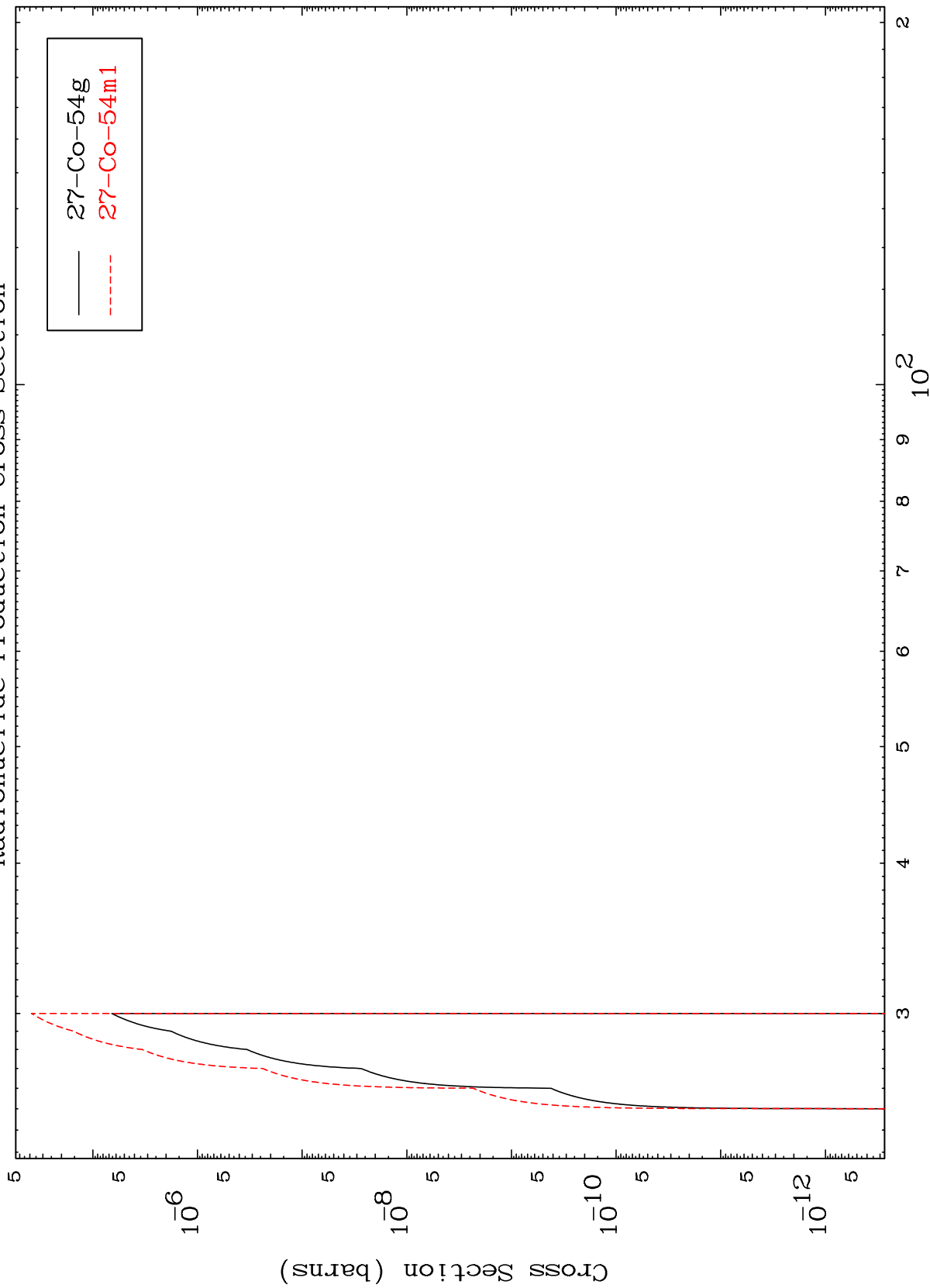
28-Ni-57

MAT 2822

(n,n') t

28-Ni-57

Radionuclide Production Cross Section



71

Incident Energy (MeV)

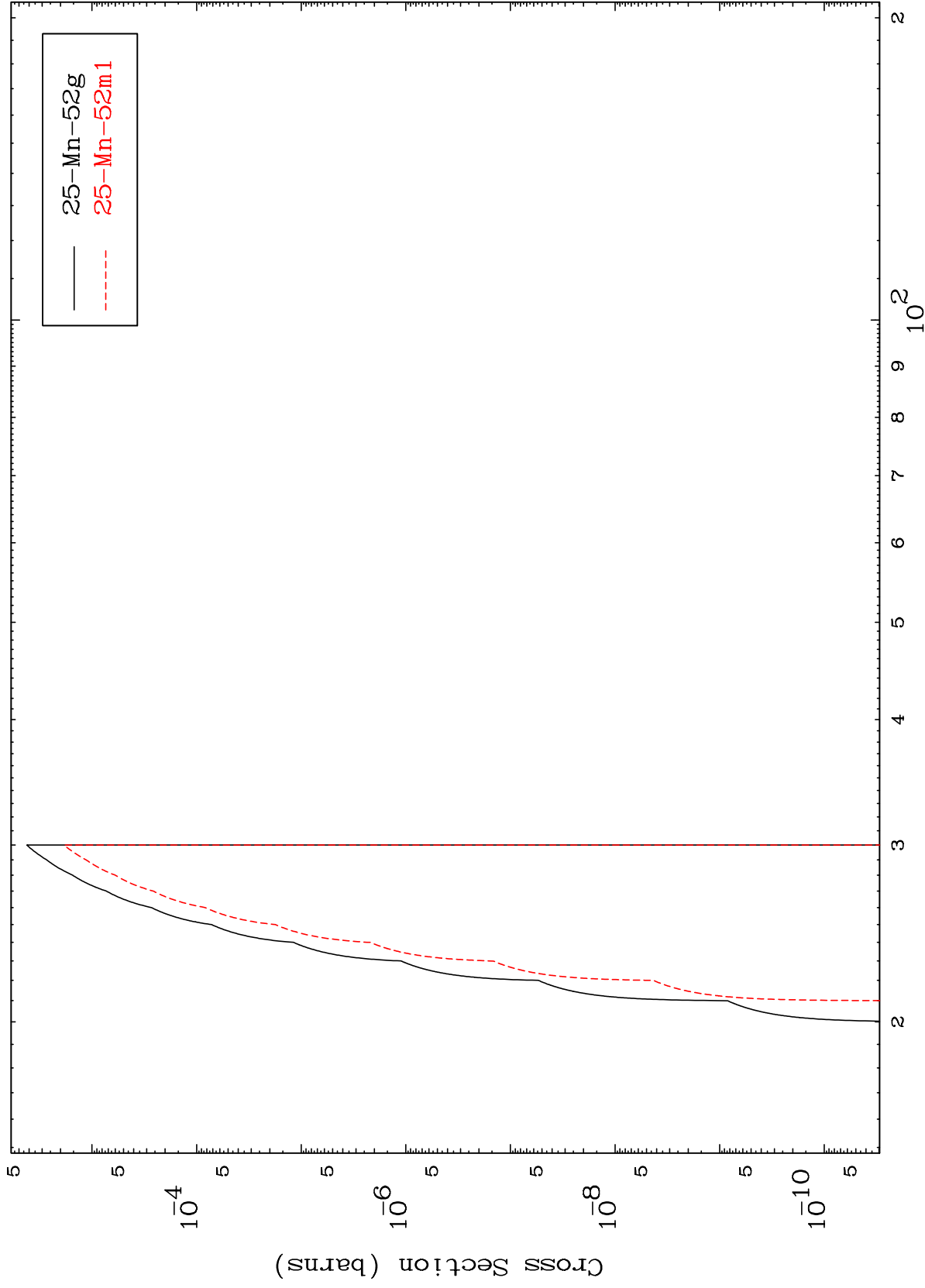
28-Ni-57

MAT 2822

(n,n') p α

28-Ni-57

Radionuclide Production Cross Section



72

Incident Energy (MeV)

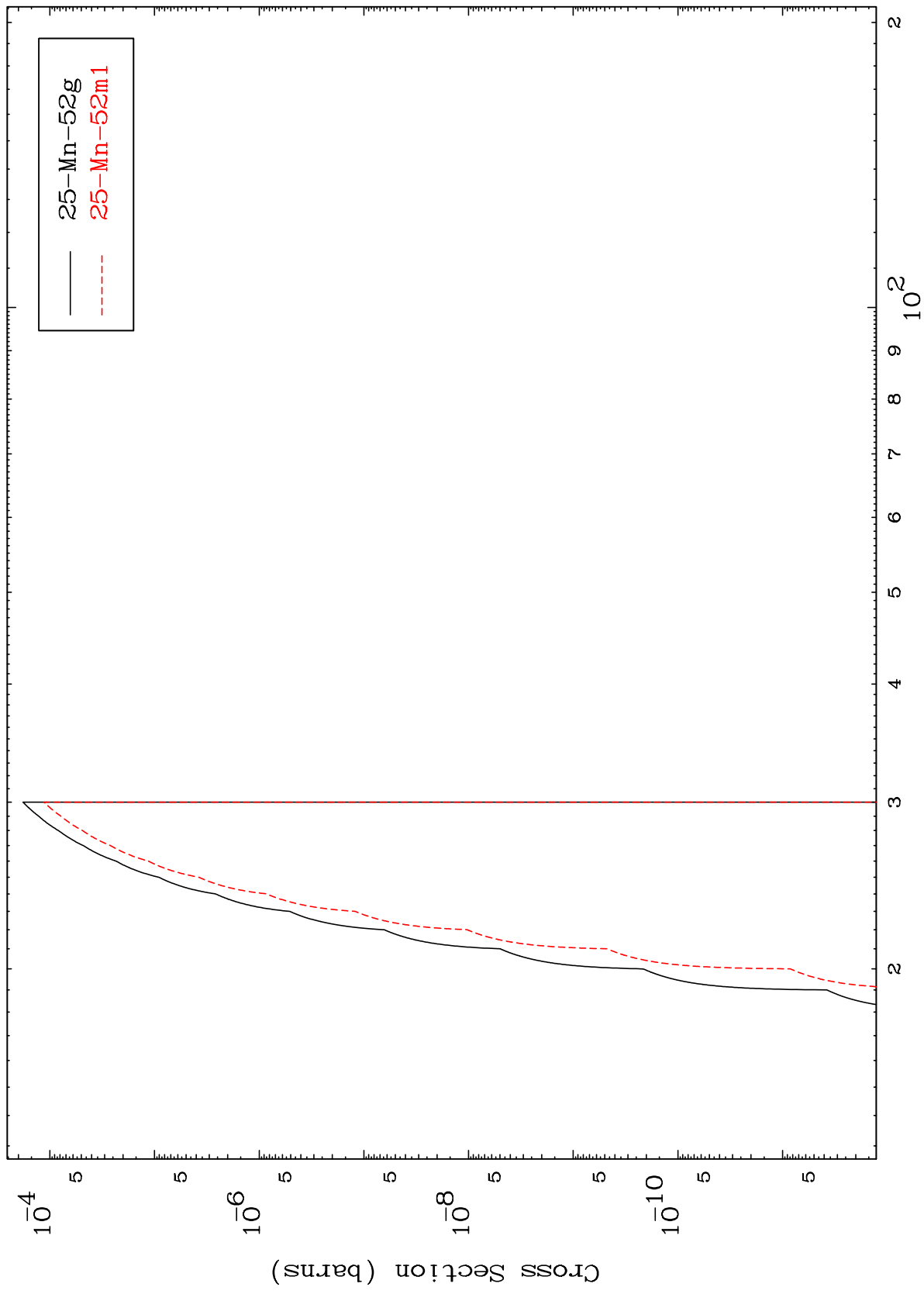
28-Ni-57

MAT 2822

(n,d) α

$^{28}\text{Ni}-57$

Radionuclide Production Cross Section



73

Incident Energy (MeV)

$^{28}\text{Ni}-57$