

Program EVALPLOT  
(Version 2018-1)

by

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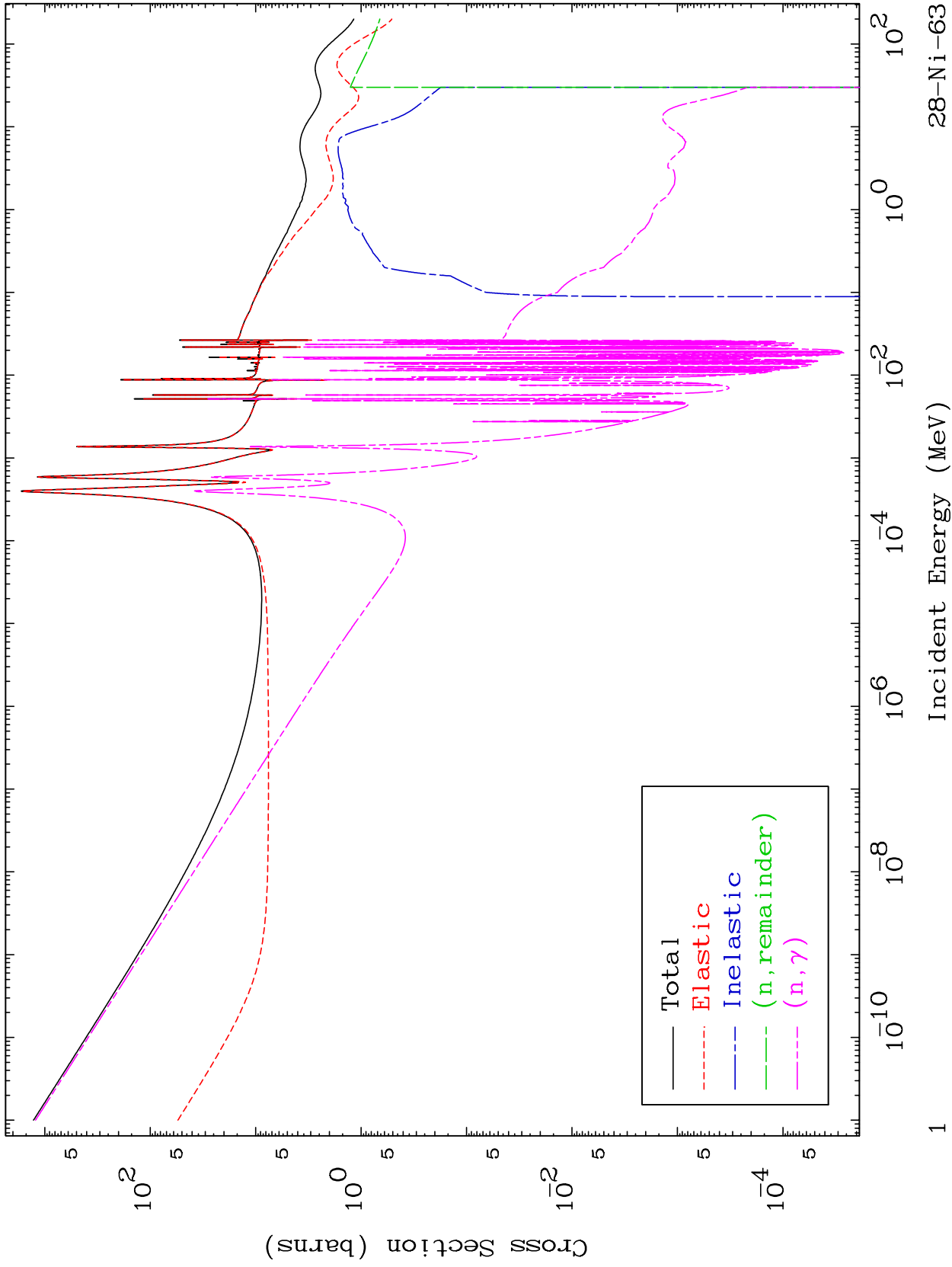
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Press Mouse Button to Start

MAT 2840

Major  
293 Kelvin Cross Sections

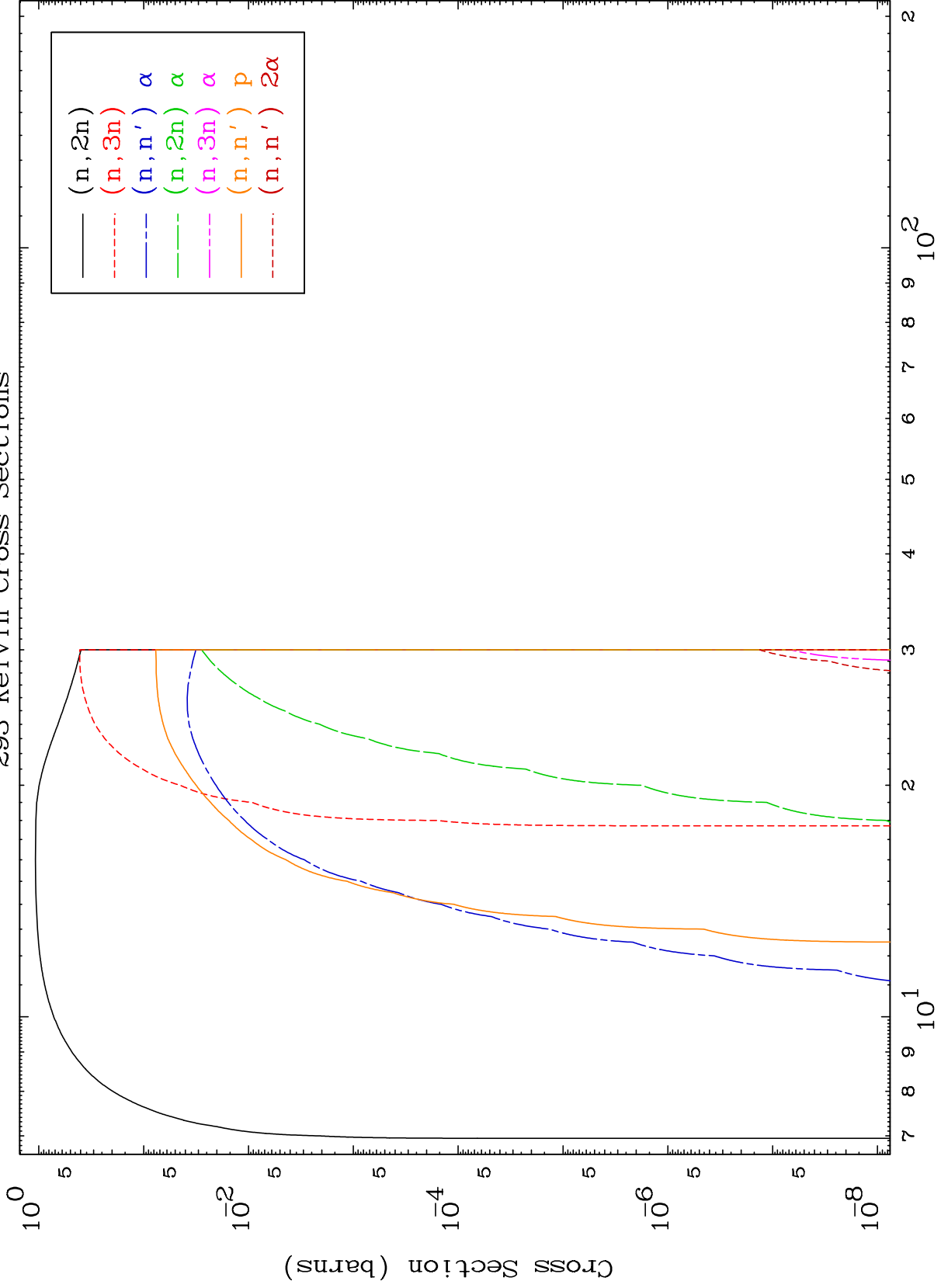
28-Ni-63



MAT 2840

Neutron Production  
293 Kelvin Cross Sections

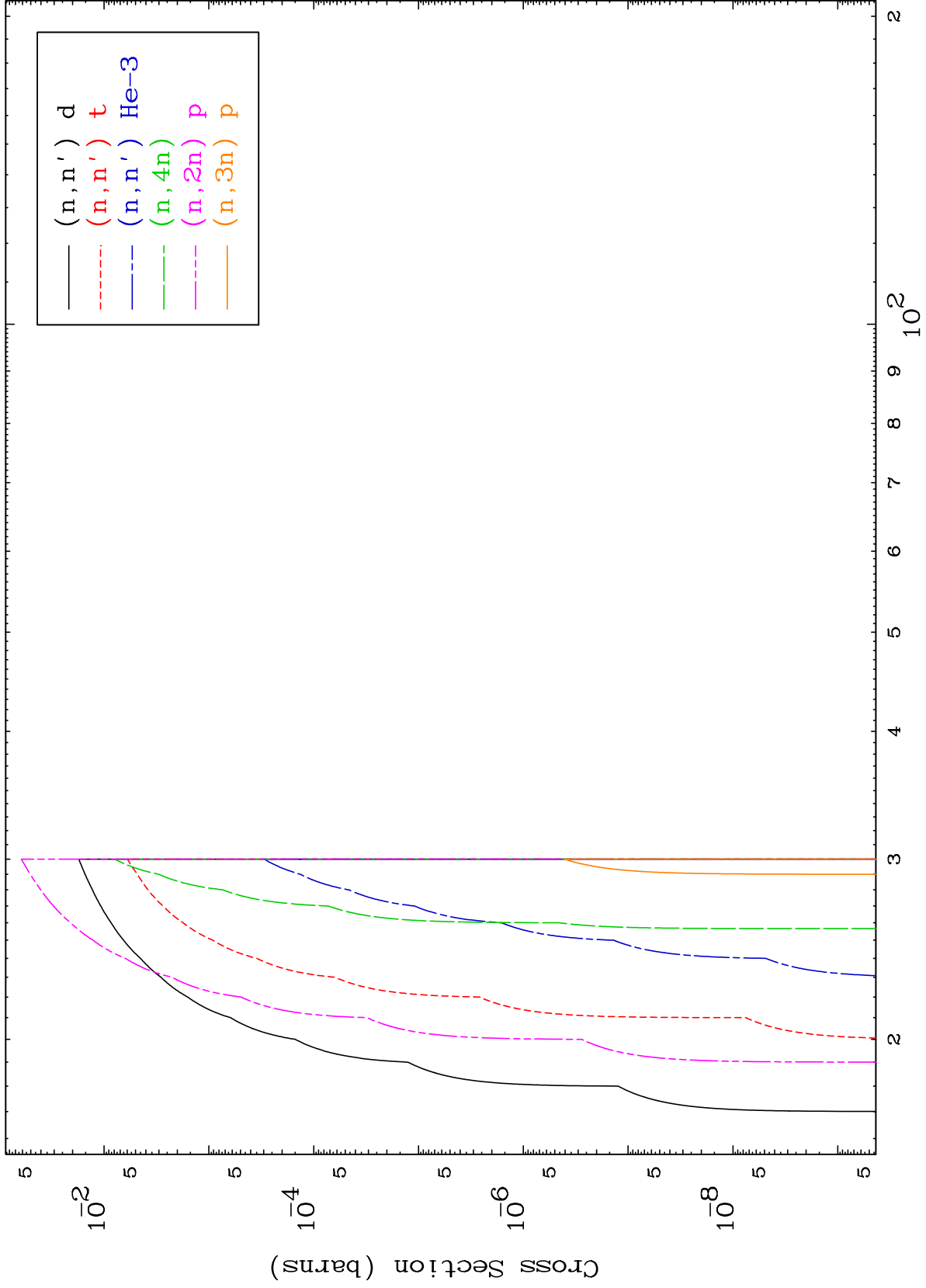
28-Ni-63

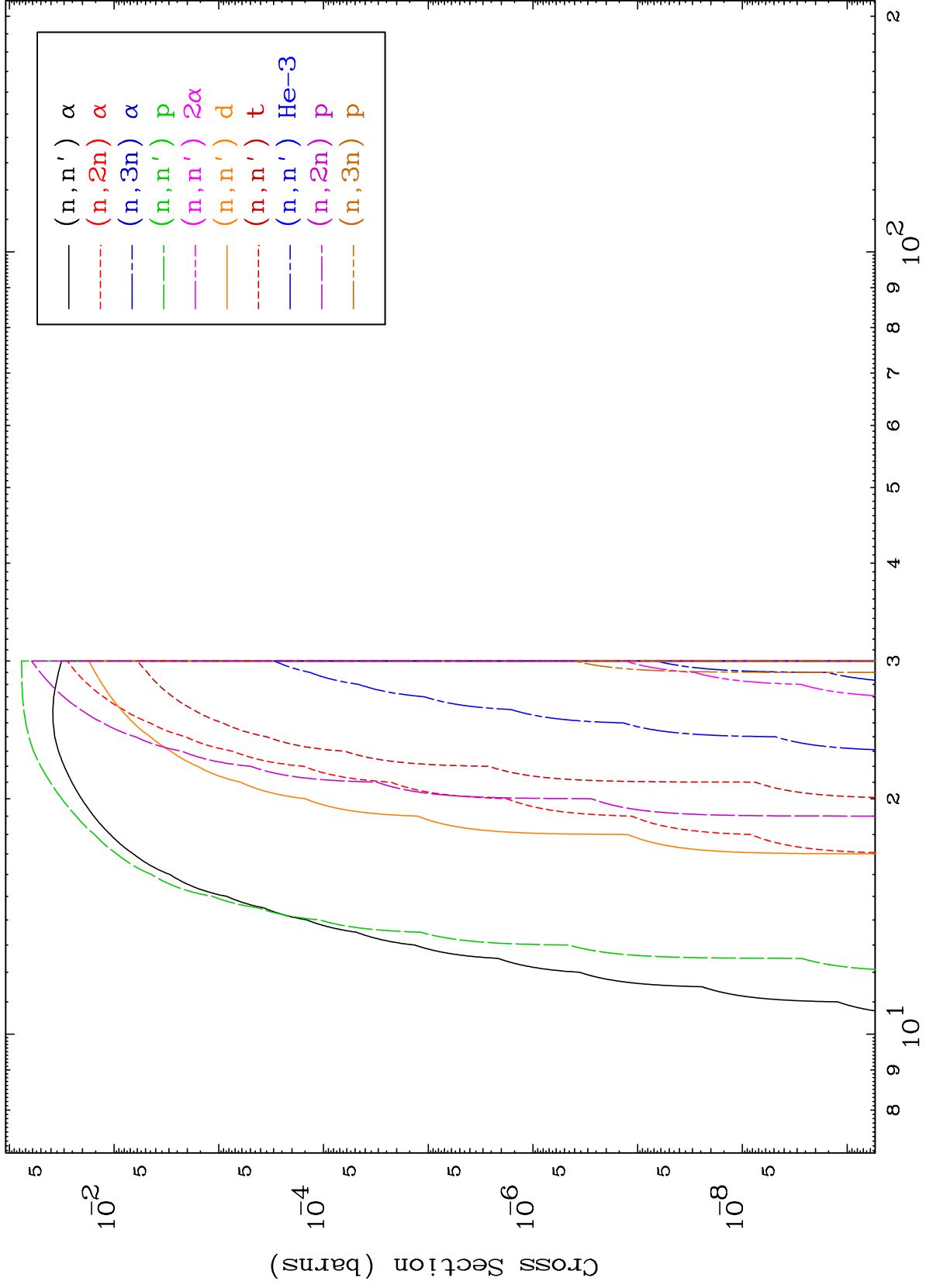


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Incident Energy (MeV)

28-Ni-63

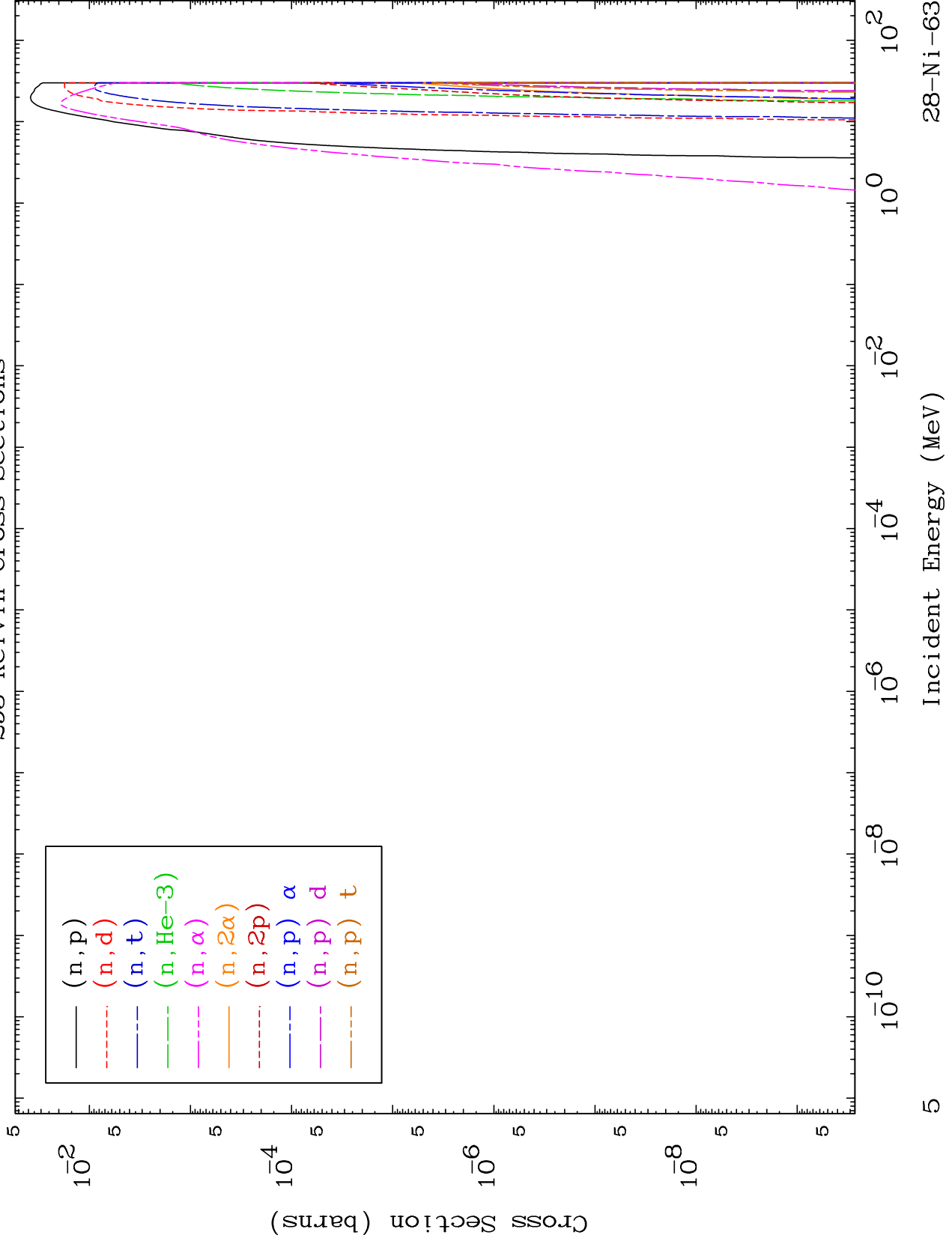




MAT 2840

Charged Particle  
293 Kelvin Cross Sections

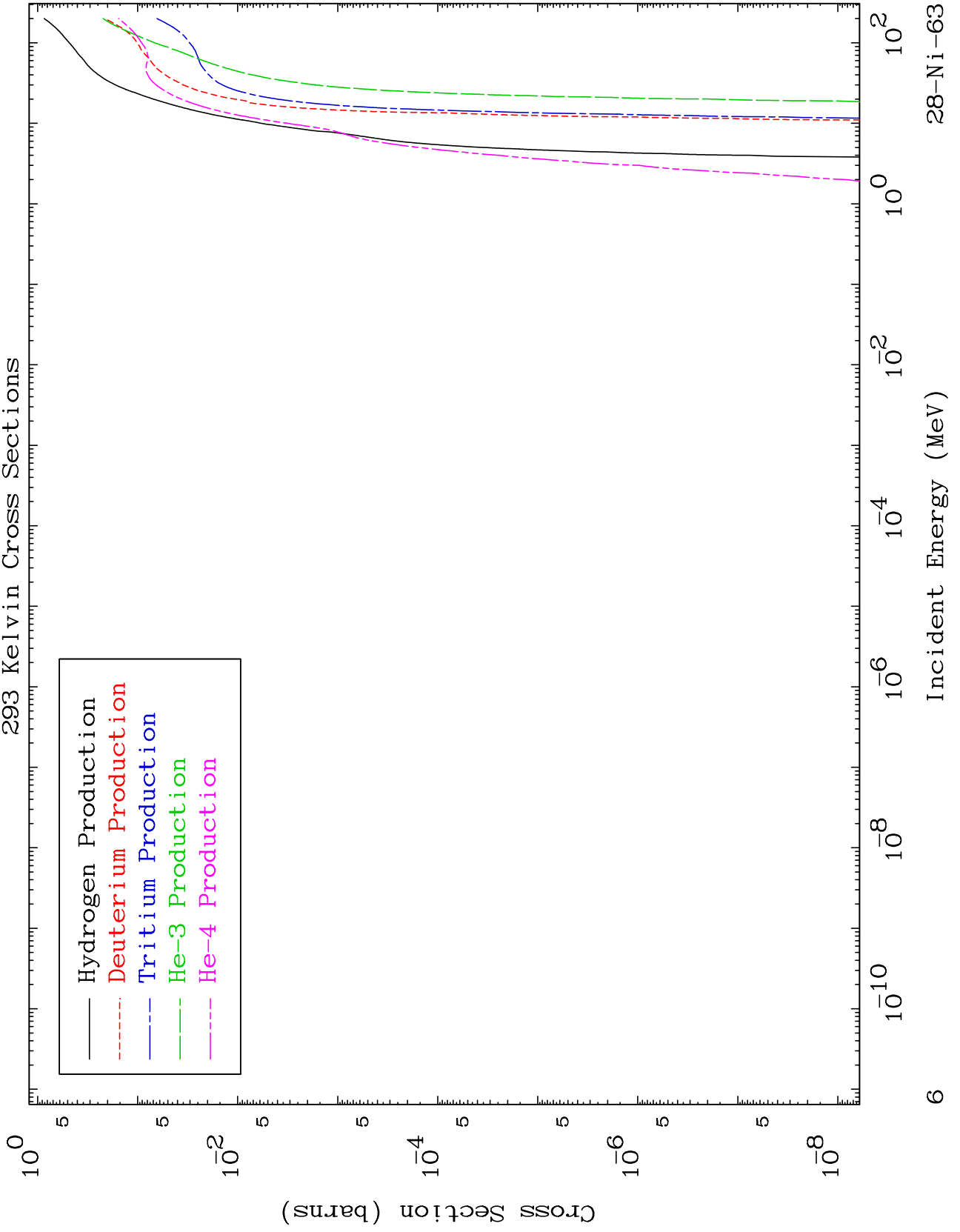
28-Ni-63



MAT 2840

Particle Production  
293 Kelvin Cross Sections

28-Ni-63

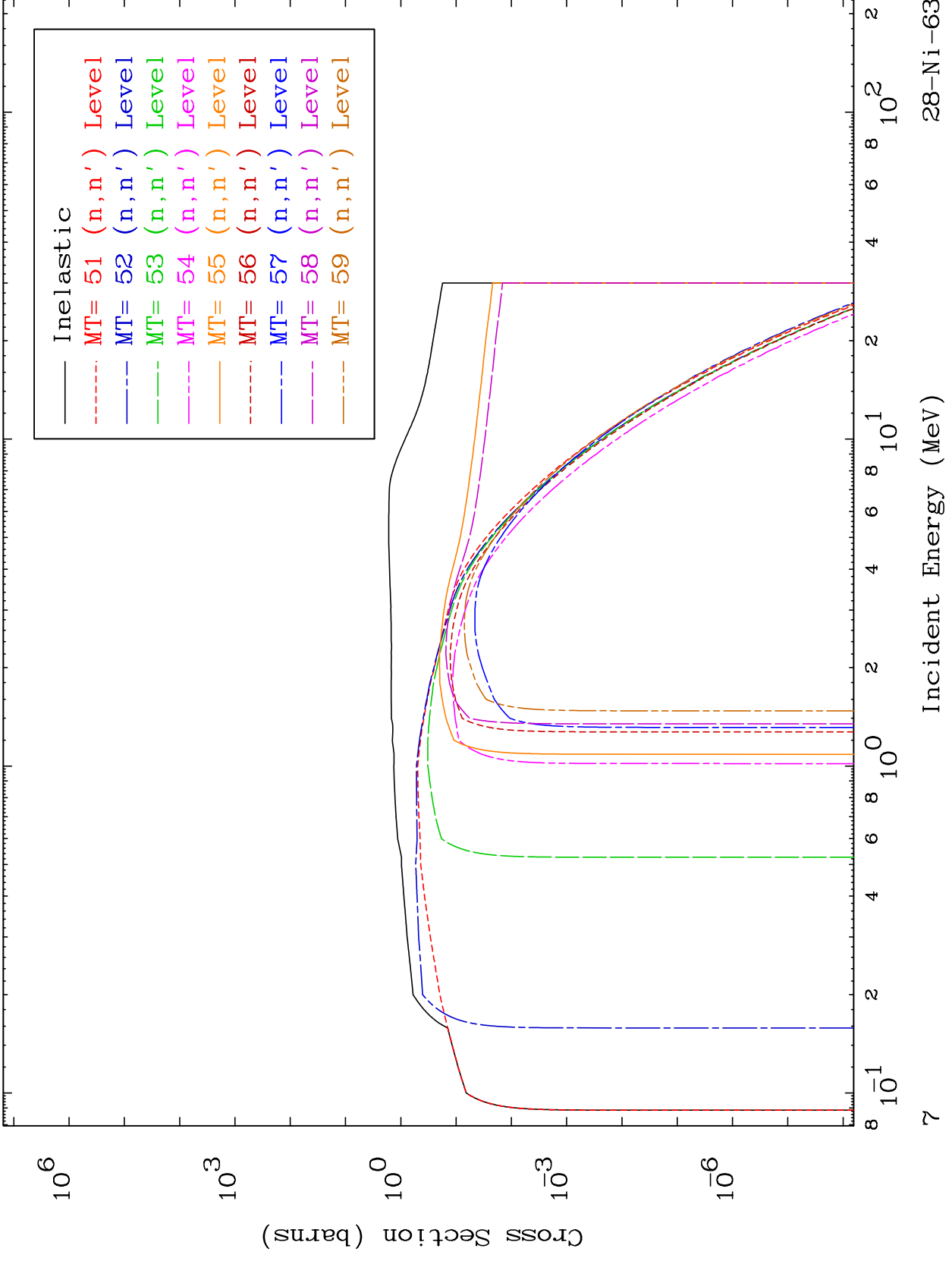


MAT 2840

(n,n') Level

28-Ni-63

293 Kelvin Cross Sections



28-Ni-63

Incident Energy (MeV)

7

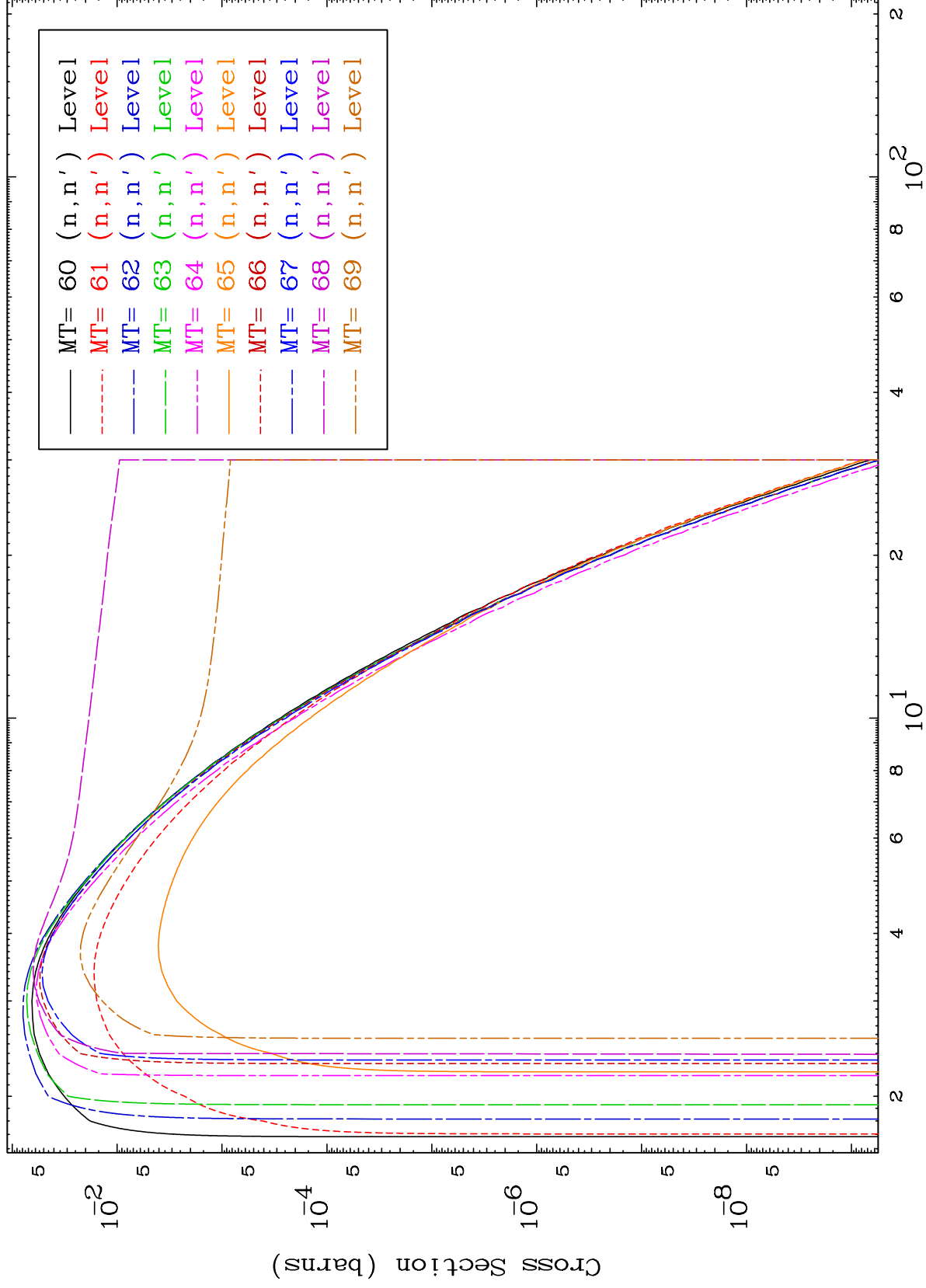


MAT 2840

(n,n') Level

28-Ni-63

293 Kelvin Cross Sections



8

Incident Energy (MeV)

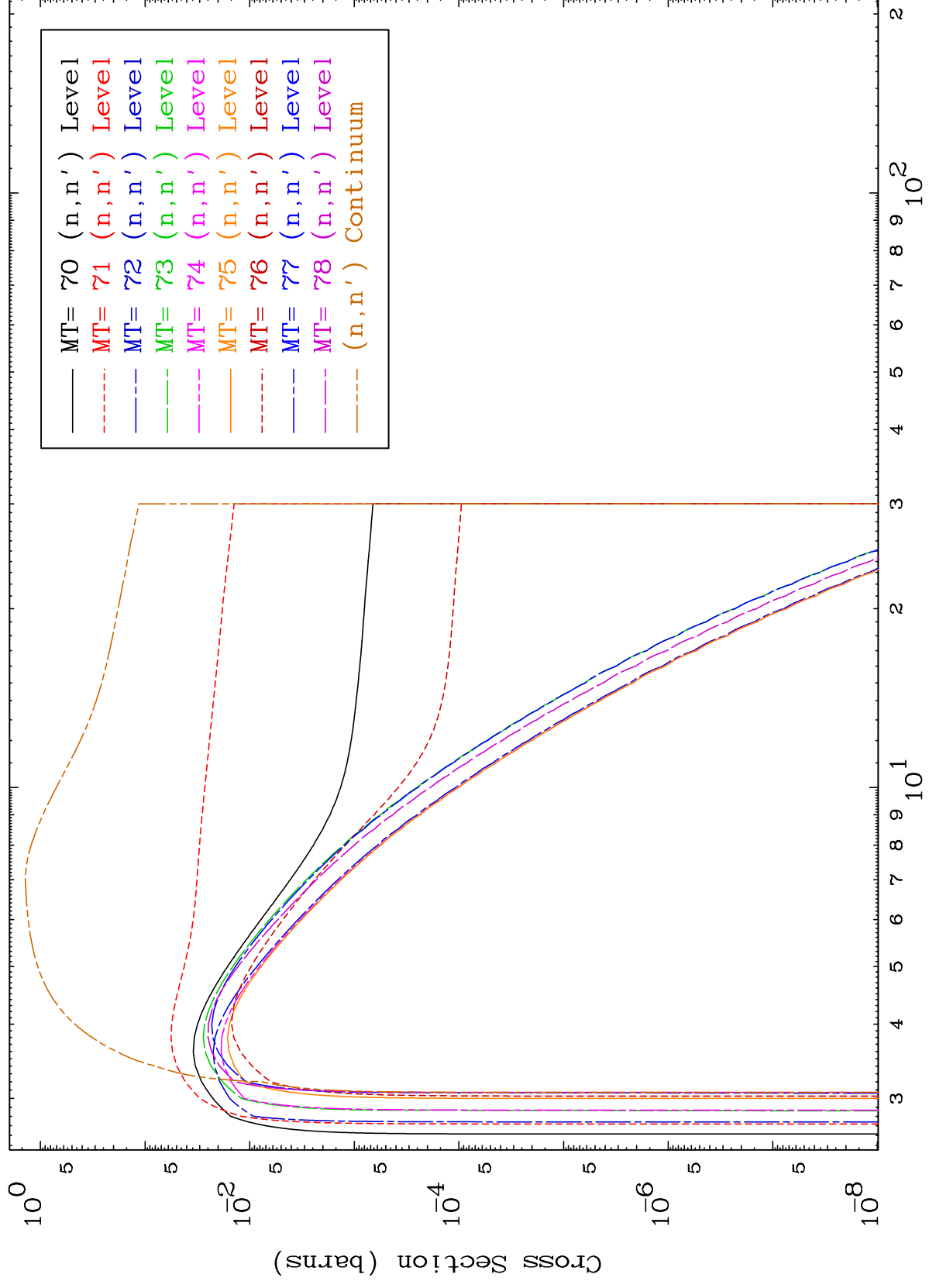
28-Ni-63

MAT 2840

(n,n') Level

28-Ni-63

293 Kelvin Cross Sections



9

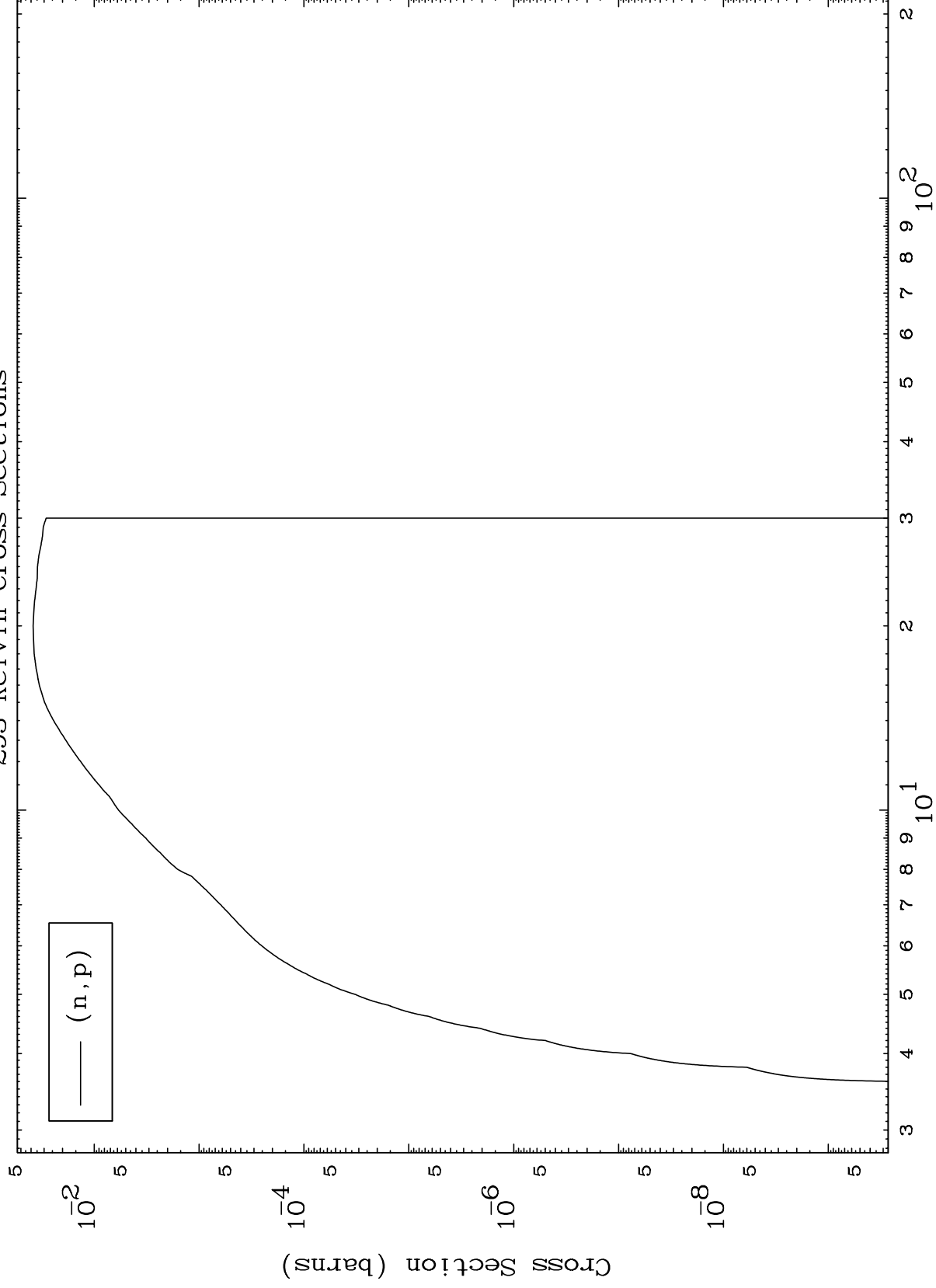
Incident Energy (MeV)

28-Ni-63

MAT 2840

(n,p) Levels  
293 Kelvin Cross Sections

28-Ni-63



10

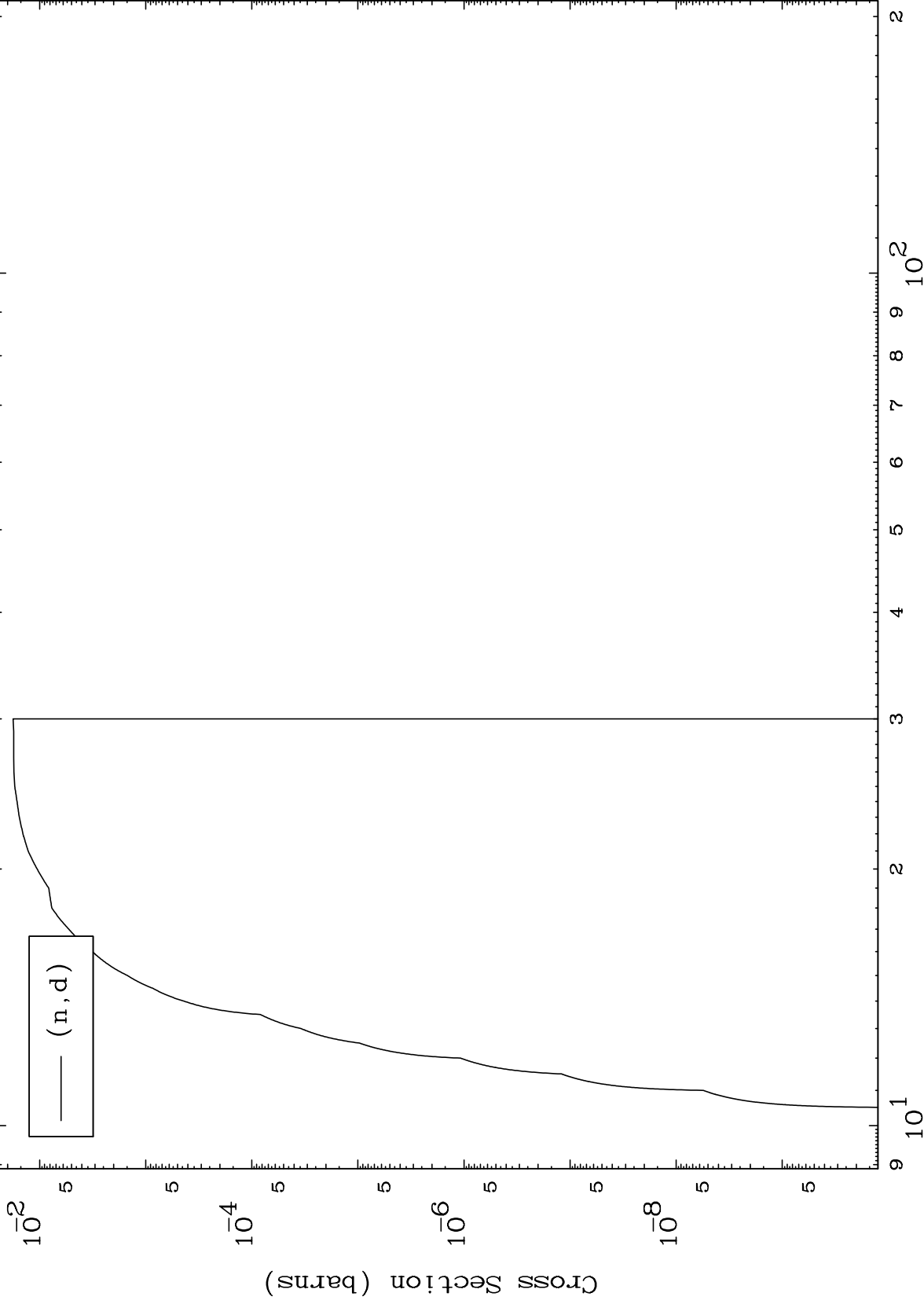
Incident Energy (MeV)

28-Ni-63

MAT 2840

(n,d) Levels  
293 Kelvin Cross Sections

28-Ni-63



11

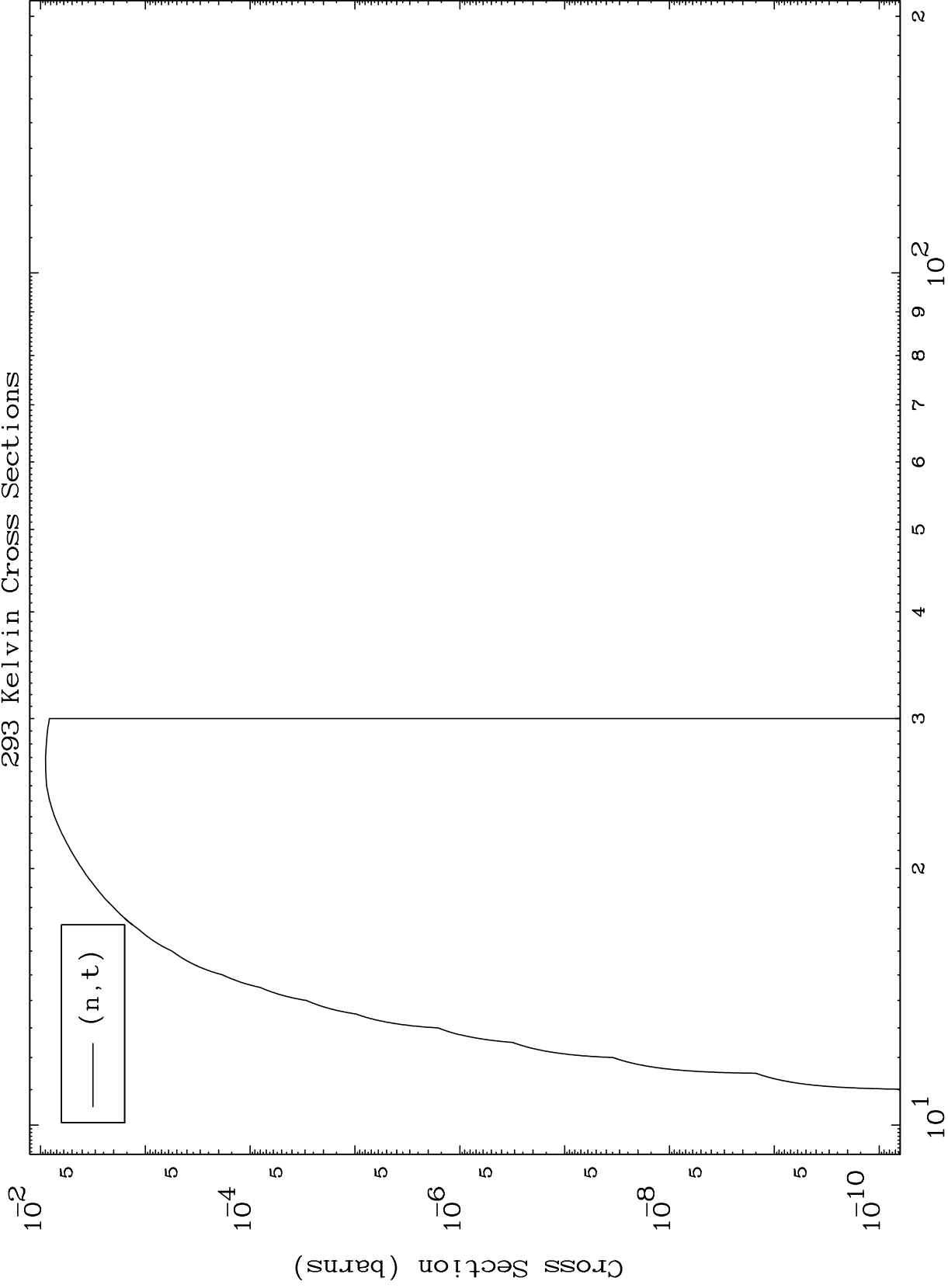
Incident Energy (MeV)

28-Ni-63

MAT 2840

(n,t) Levels  
293 Kelvin Cross Sections

28-Ni-63



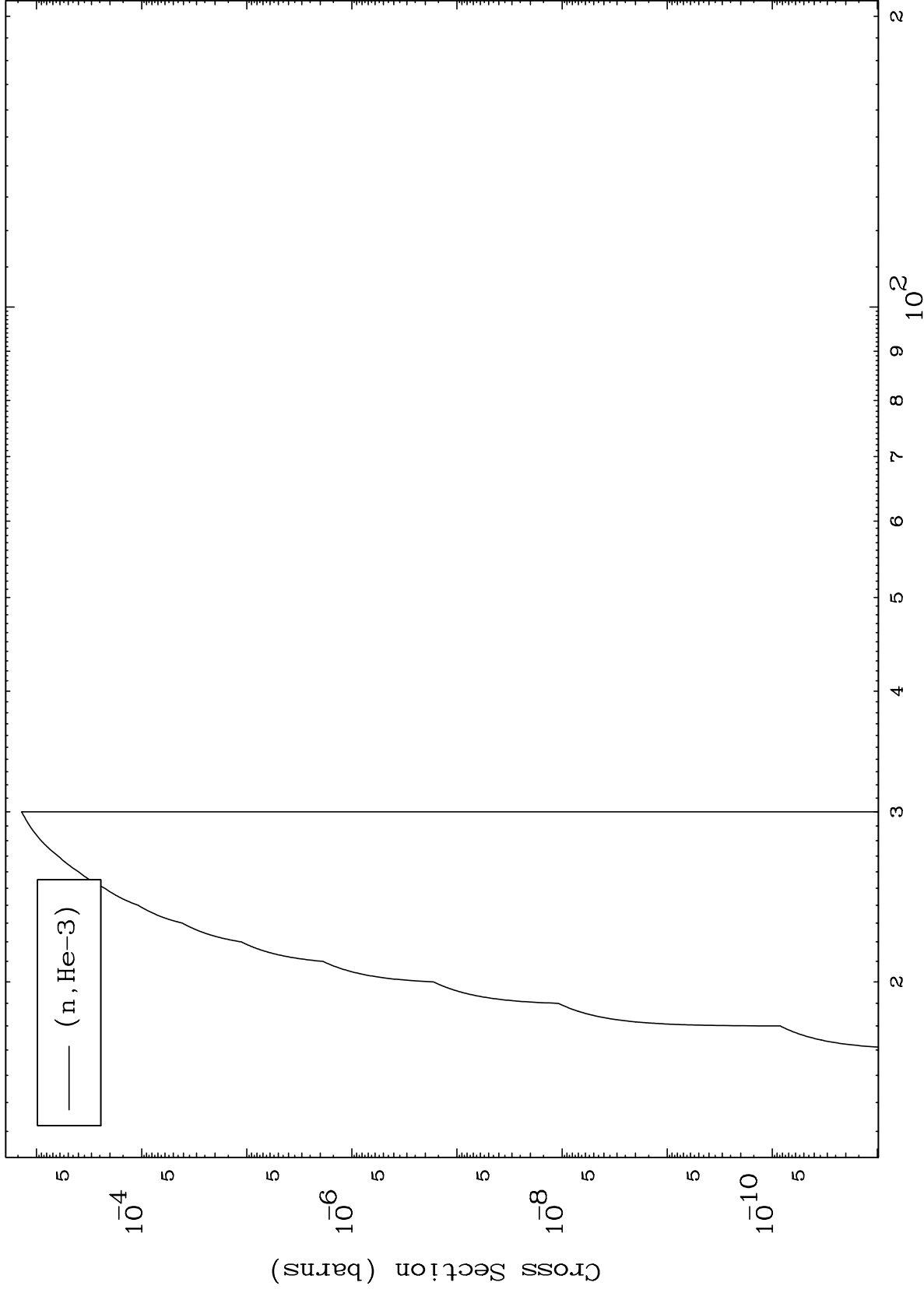
Incident Energy (MeV)

28-Ni-63

MAT 2840

(n,He3) Levels  
293 Kelvin Cross Sections

28-Ni-63



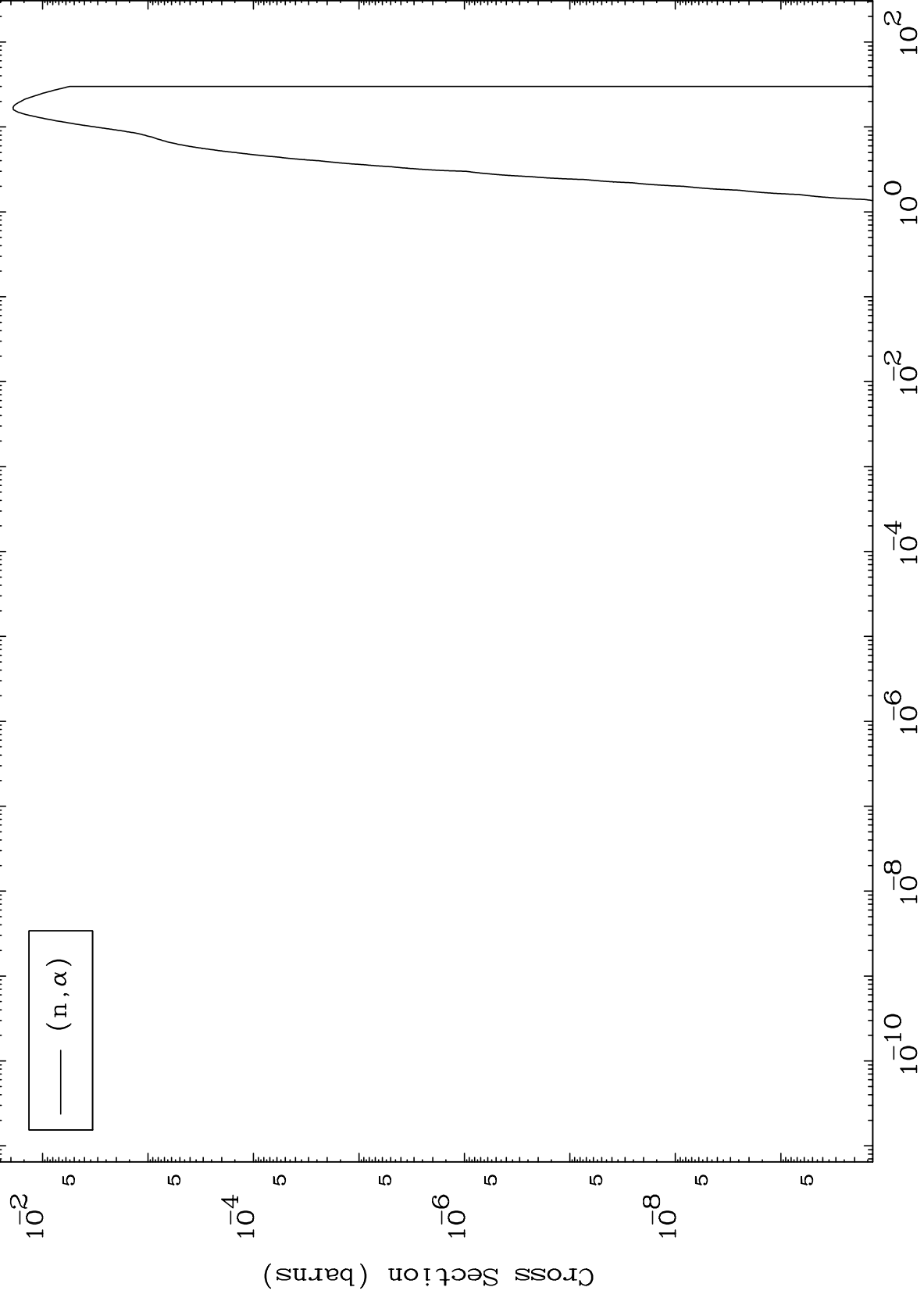
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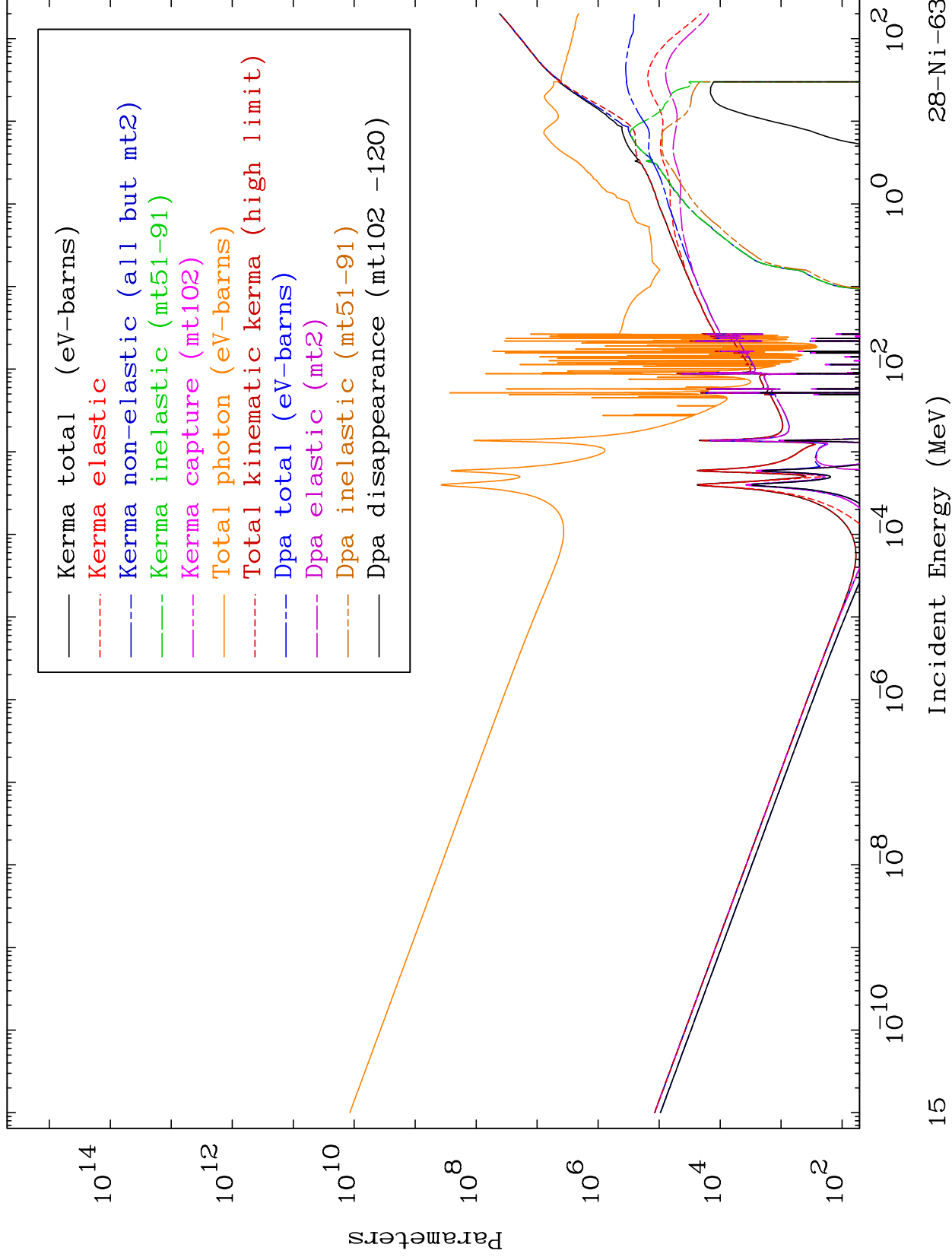
28-Ni-63

MAT 2840

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

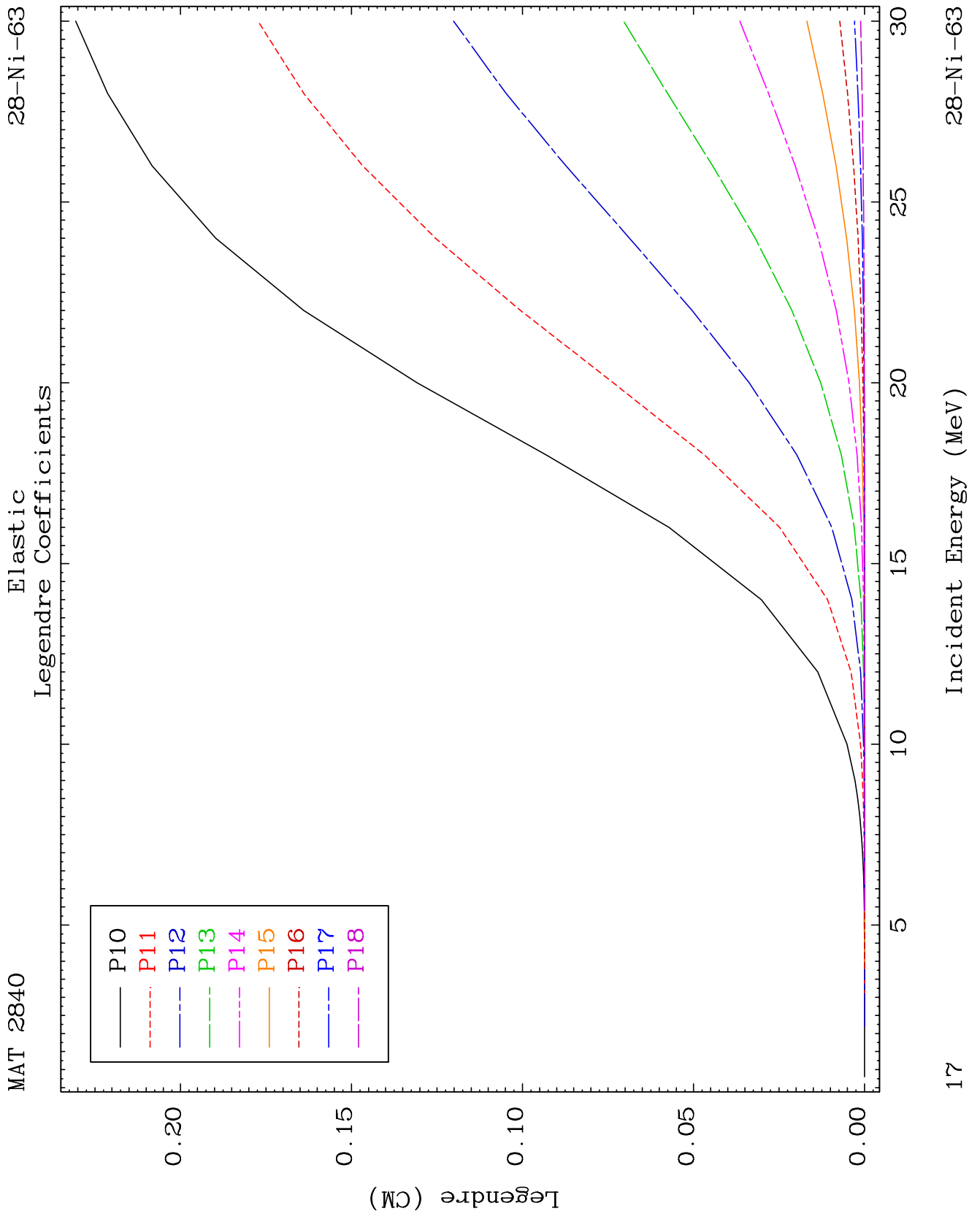
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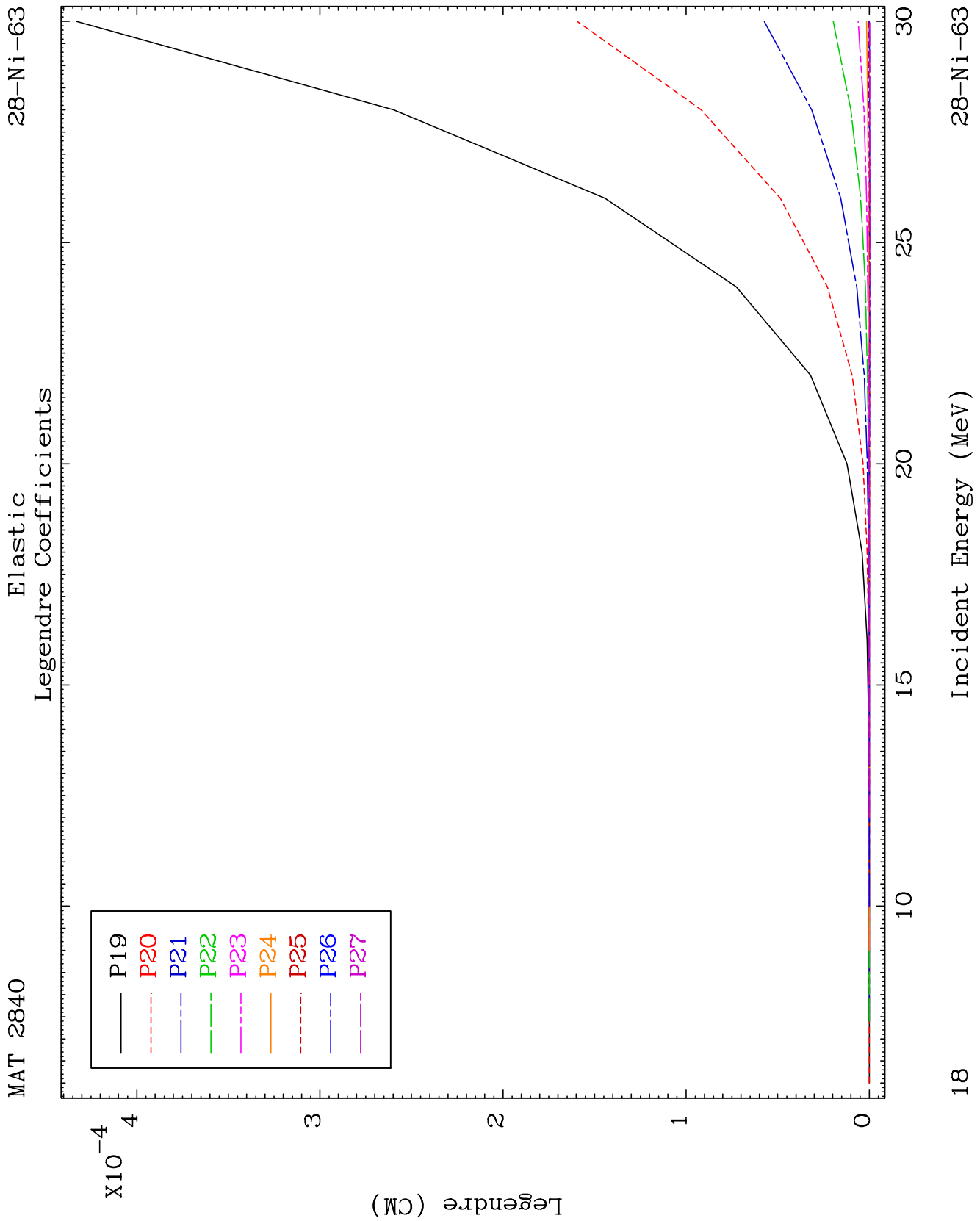


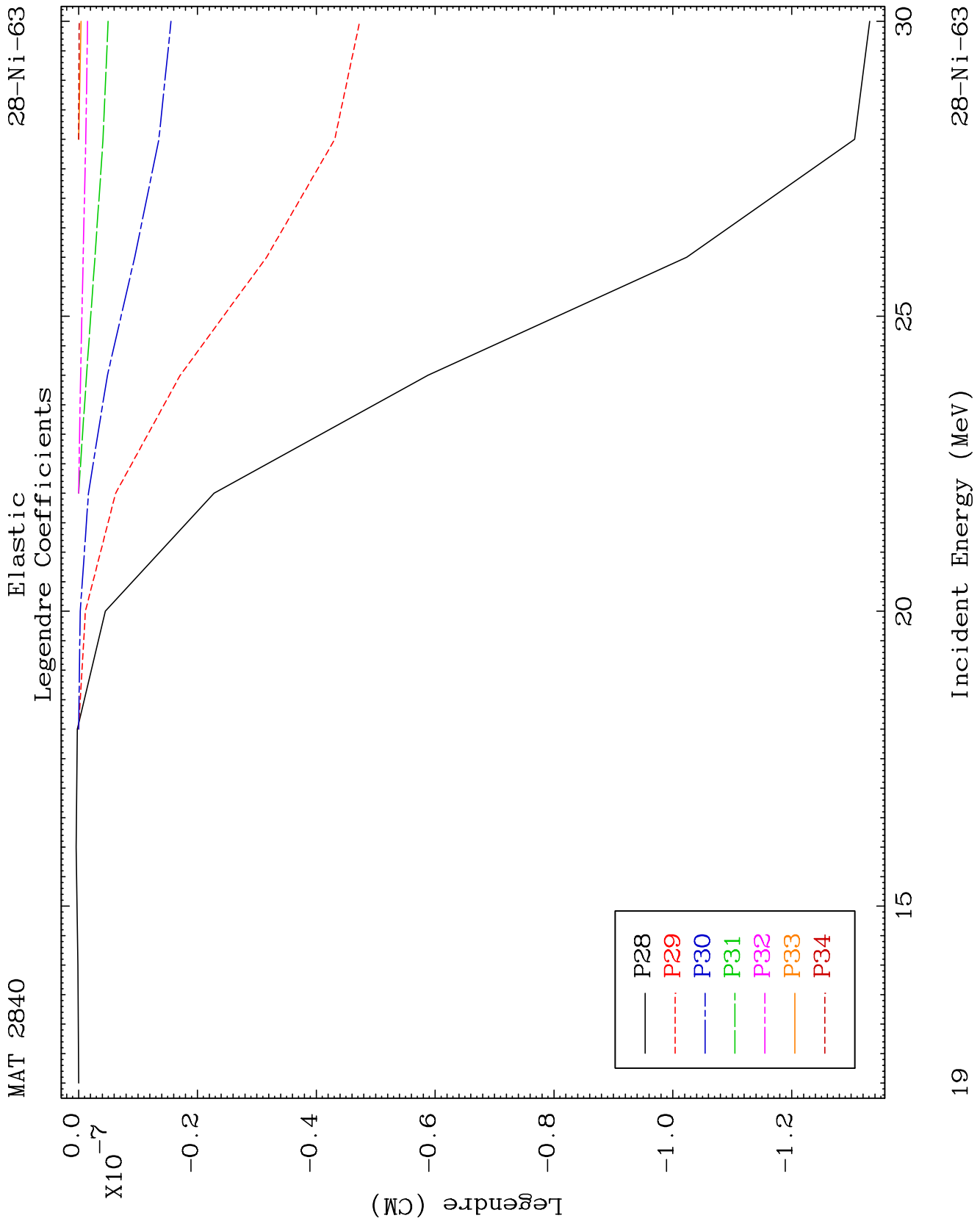


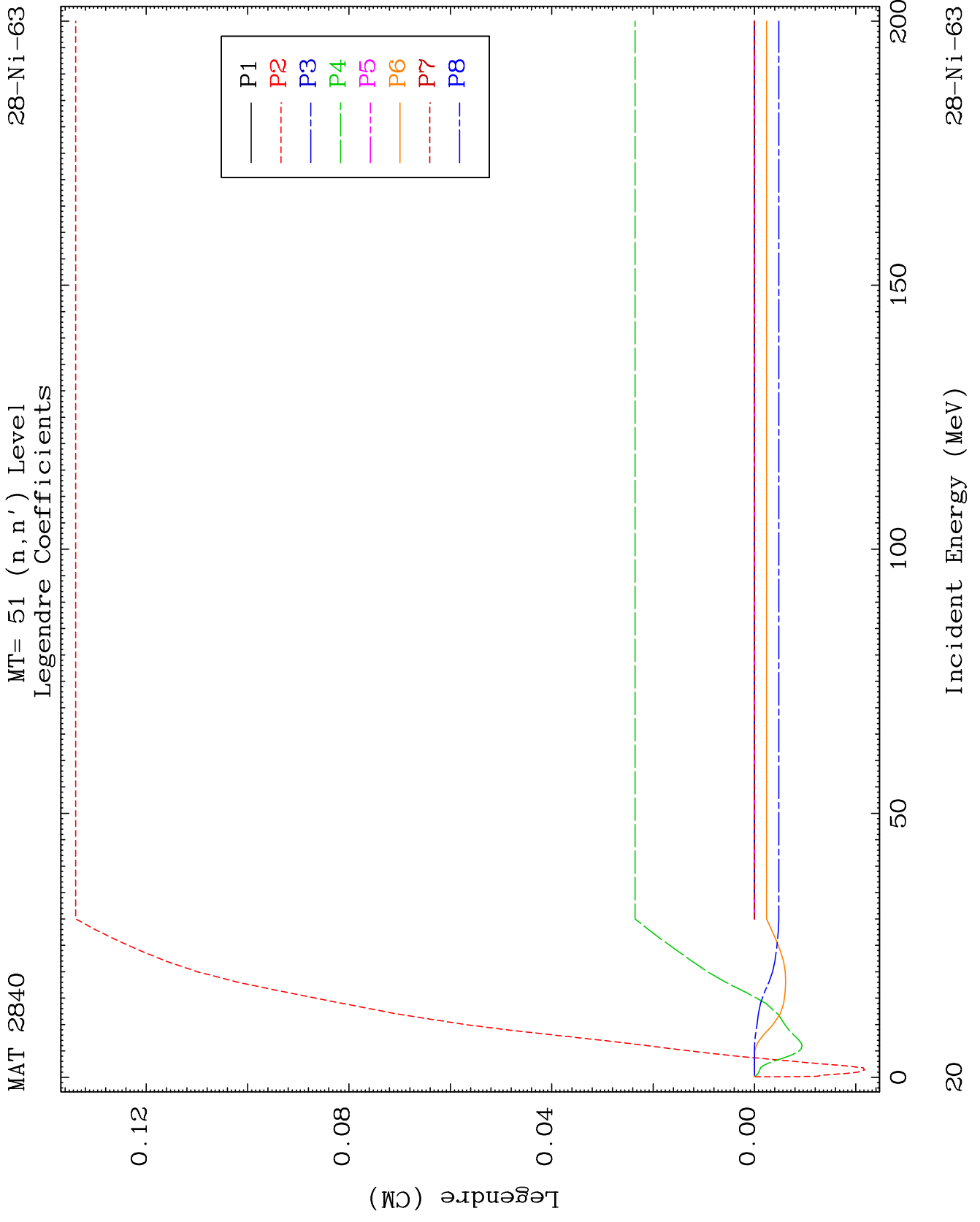


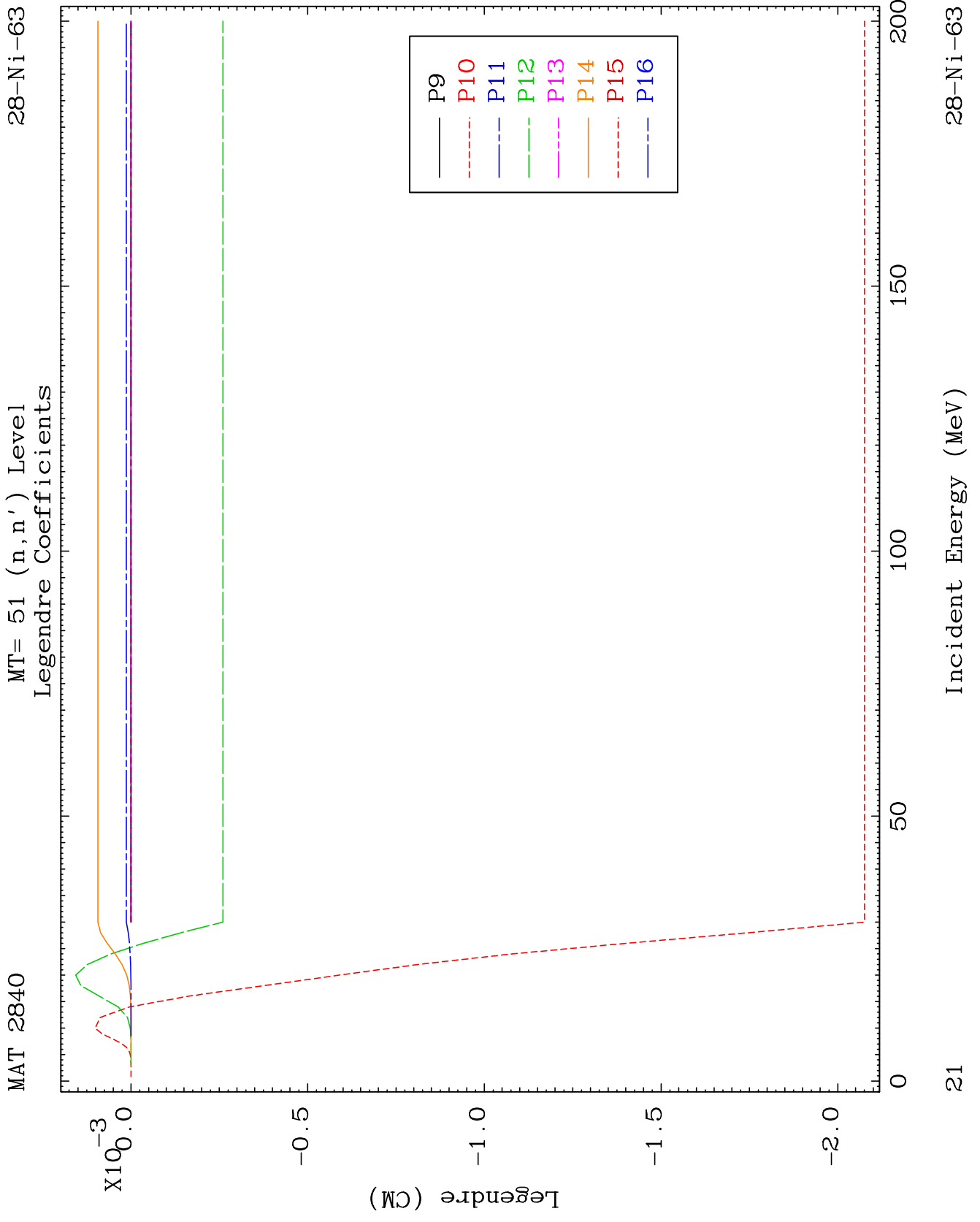








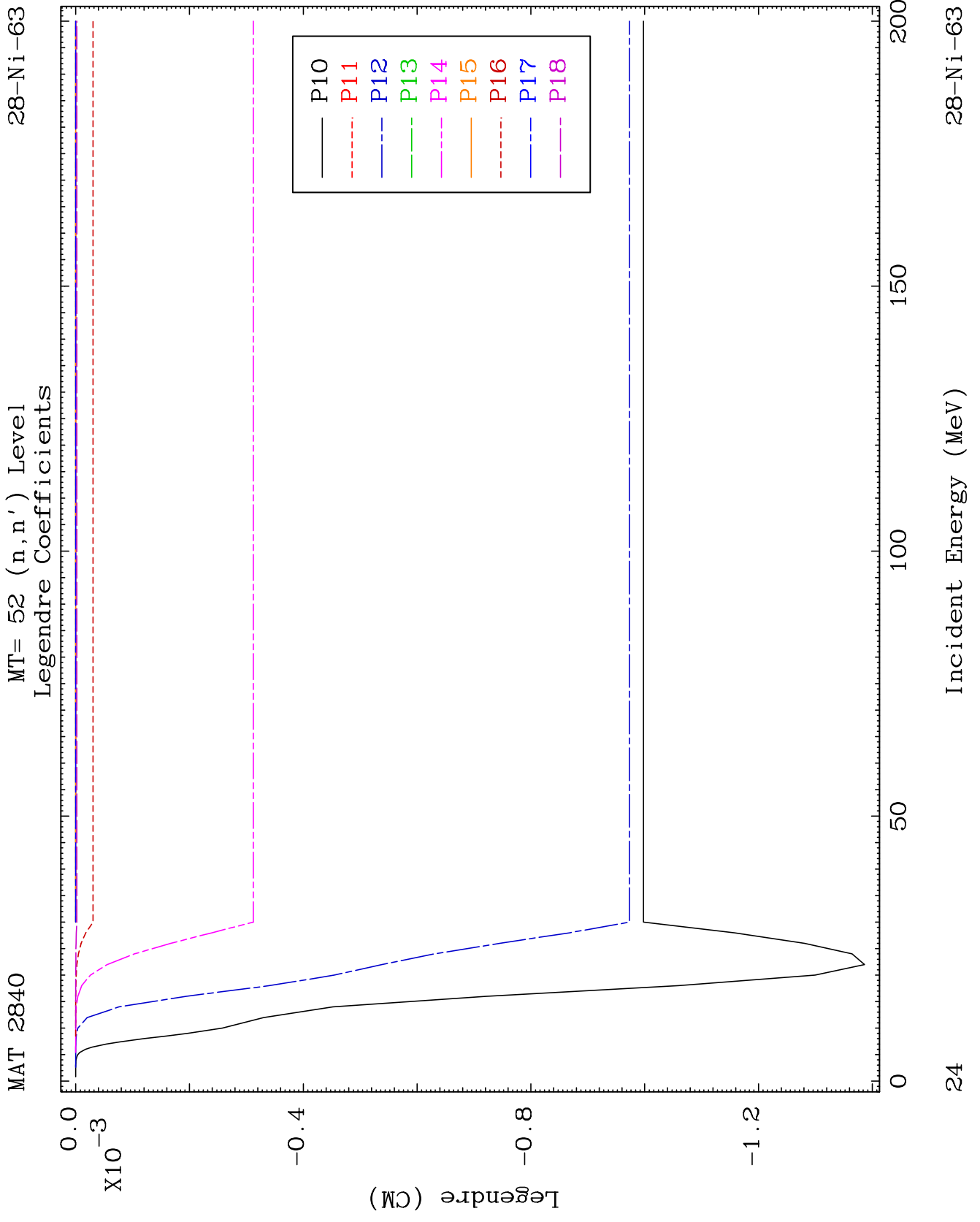


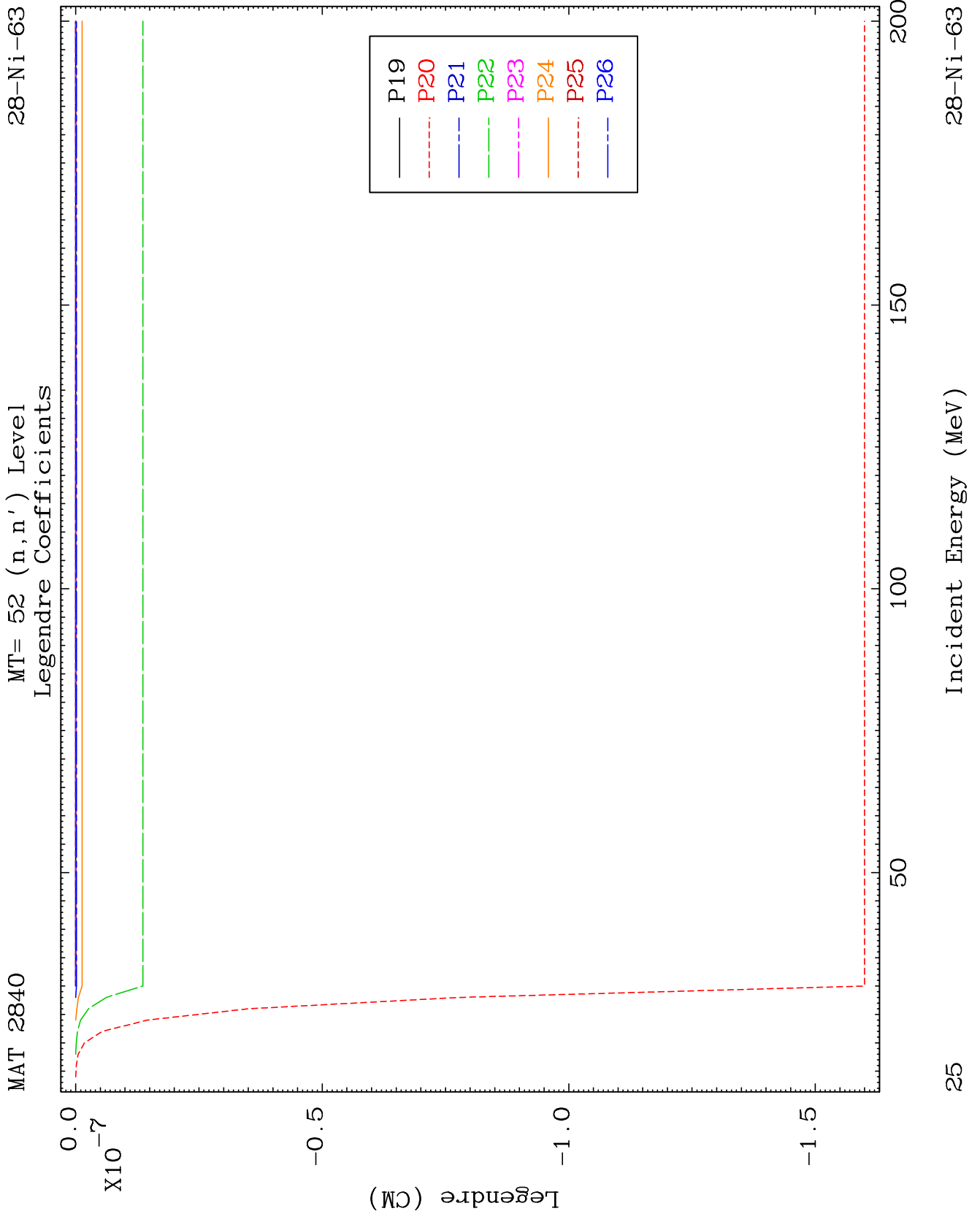


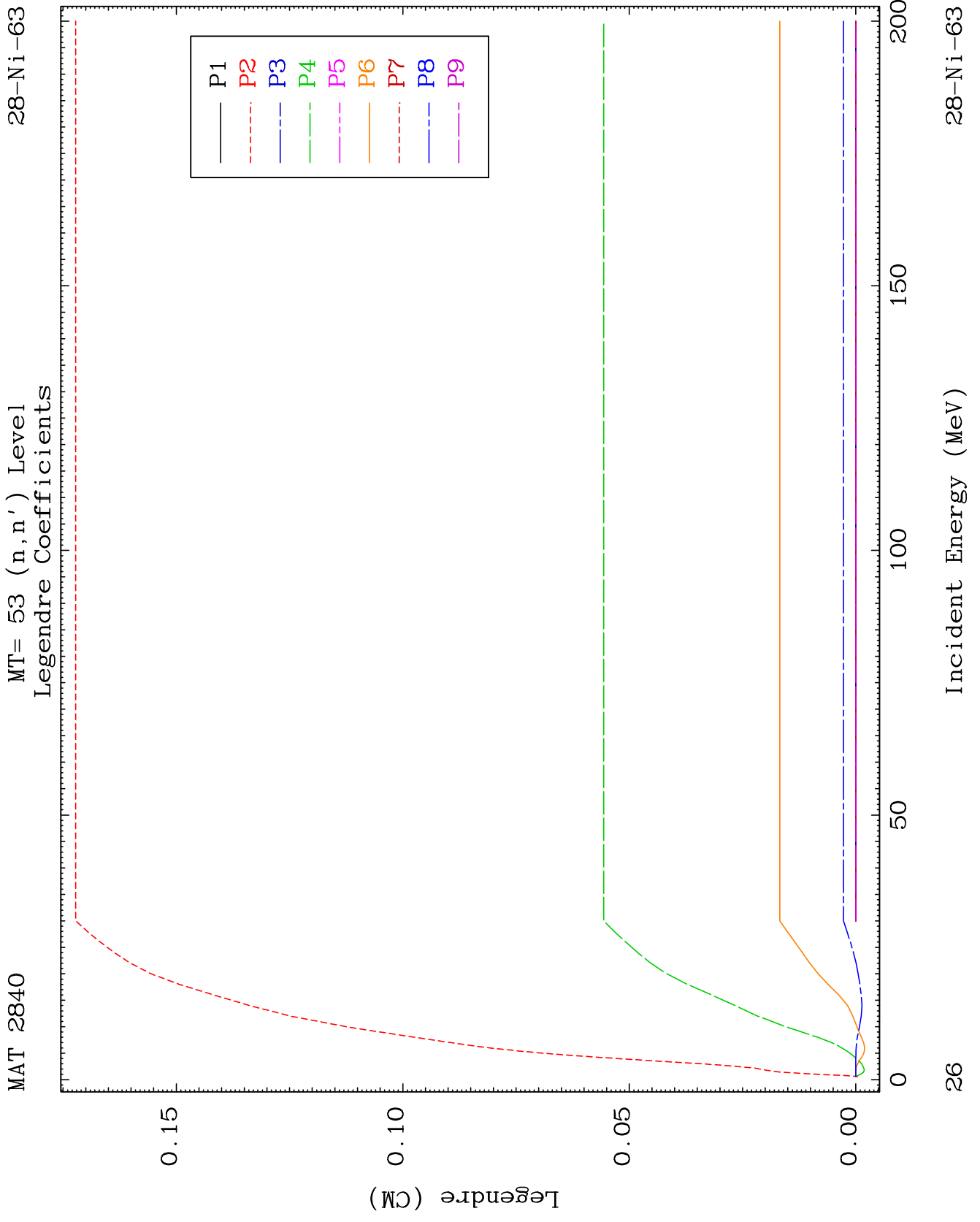








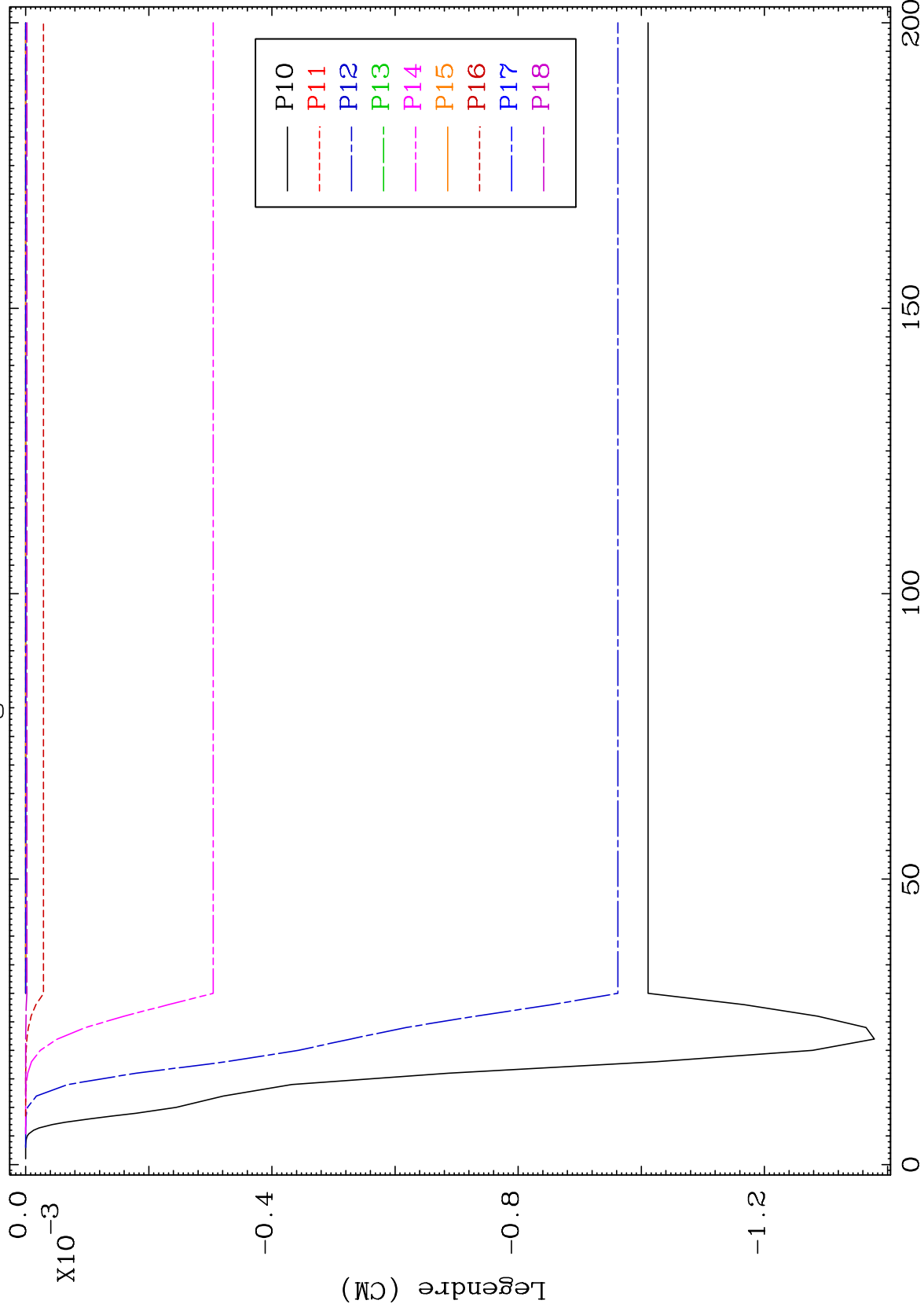




MAT 2840

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

28-Ni-63



28-Ni-63

Incident Energy (MeV)

27

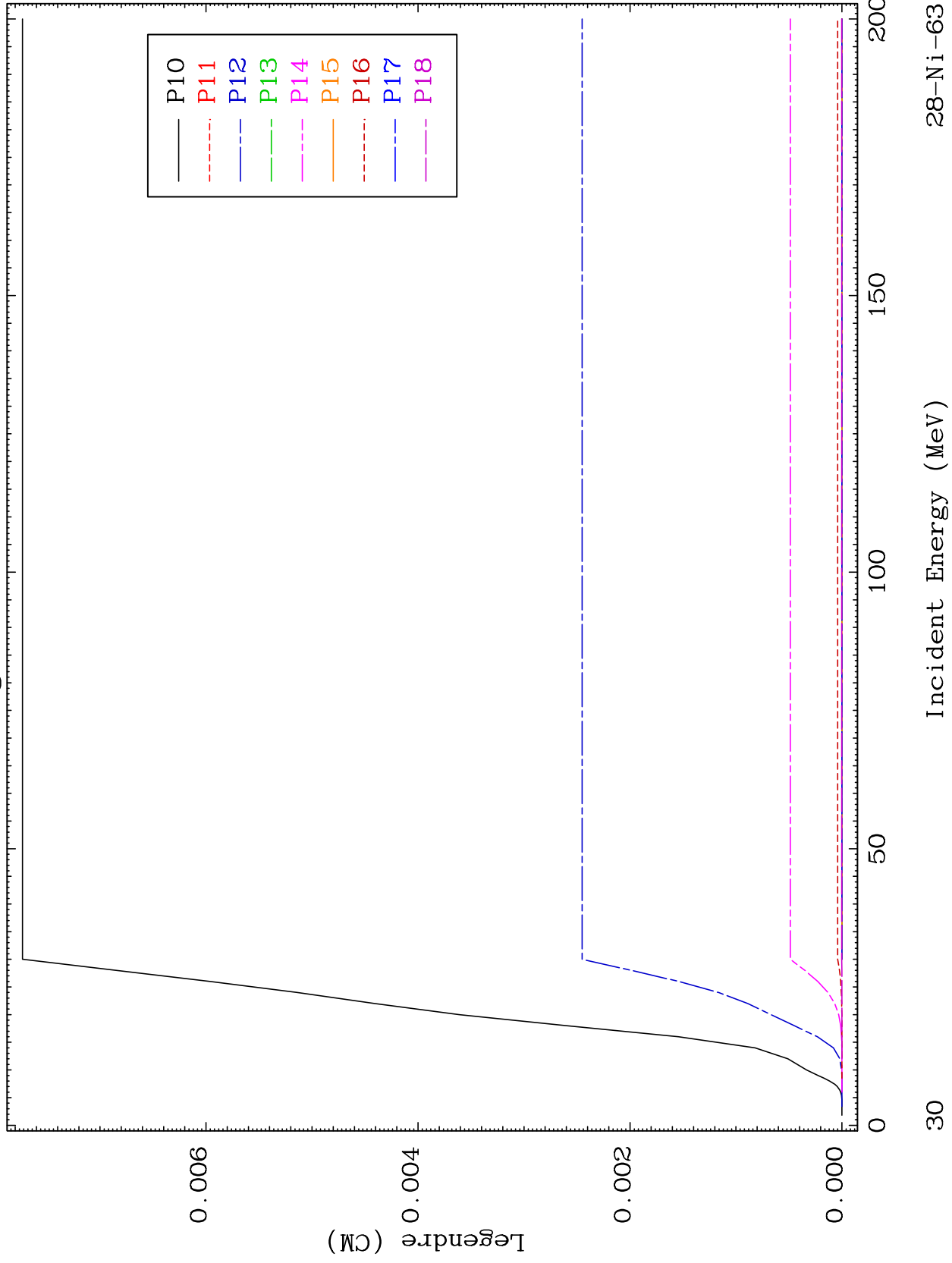




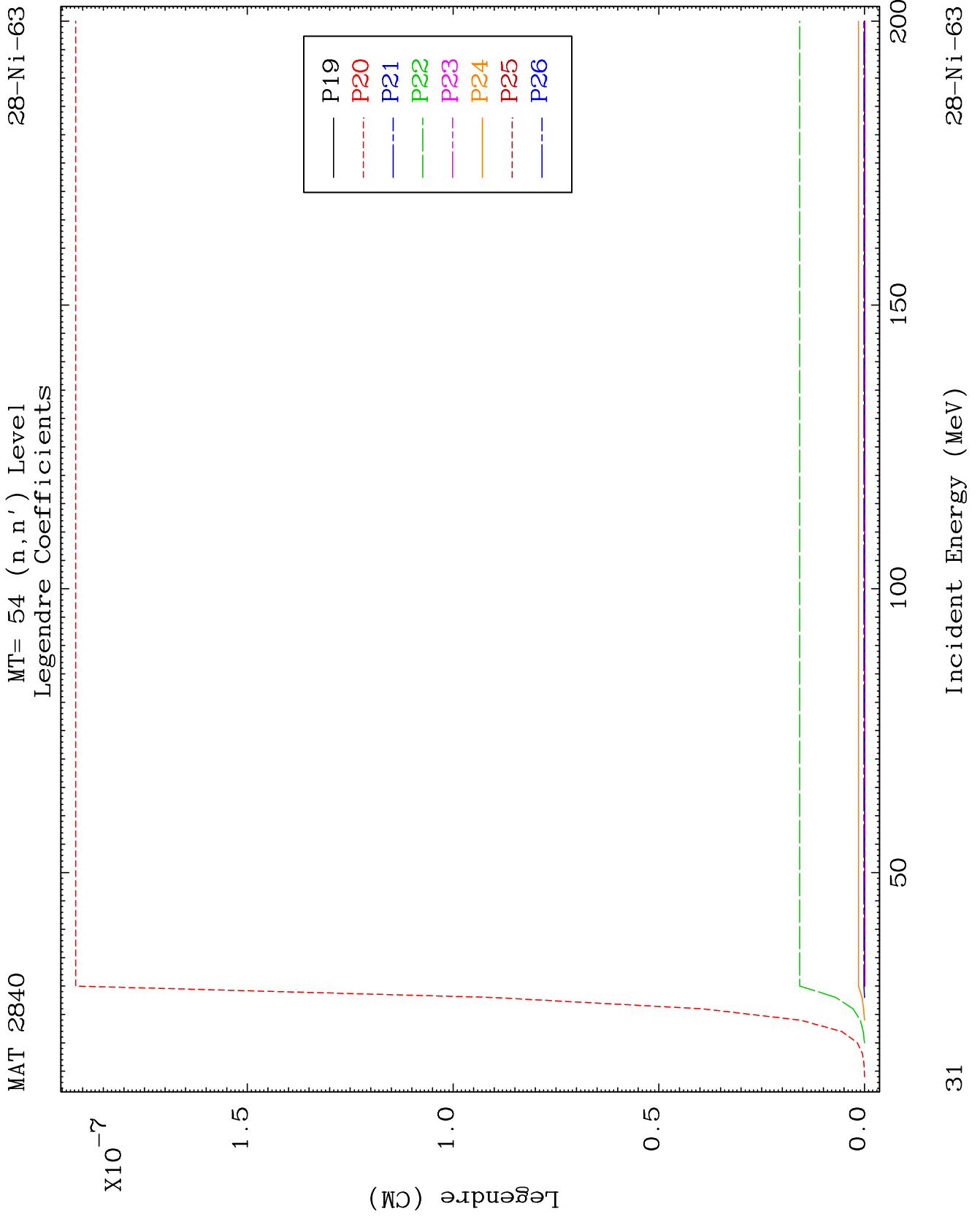
MAT 2840

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

28-Ni-63



28-Ni-63

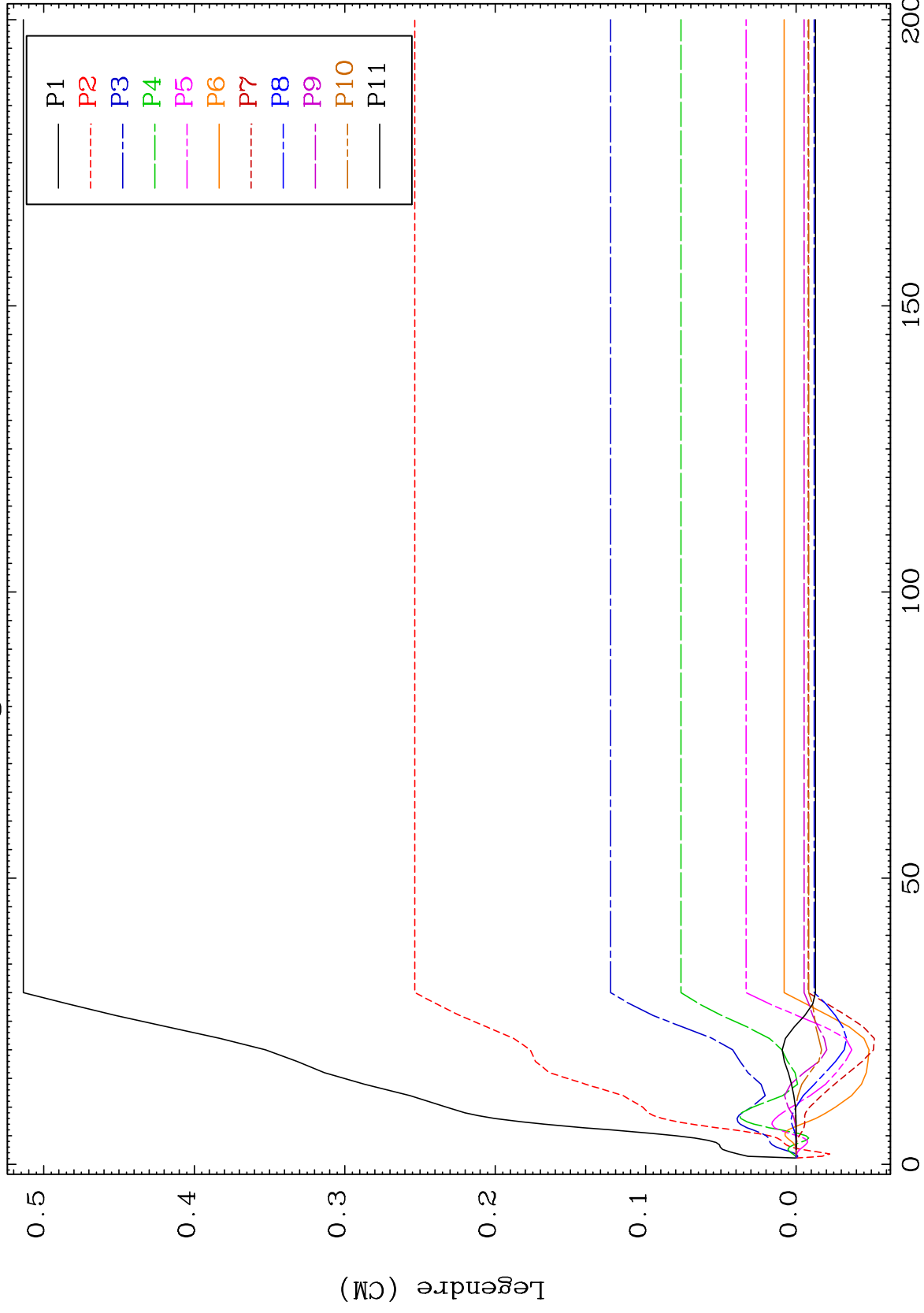




MAT 2840

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

28-Ni-63



32

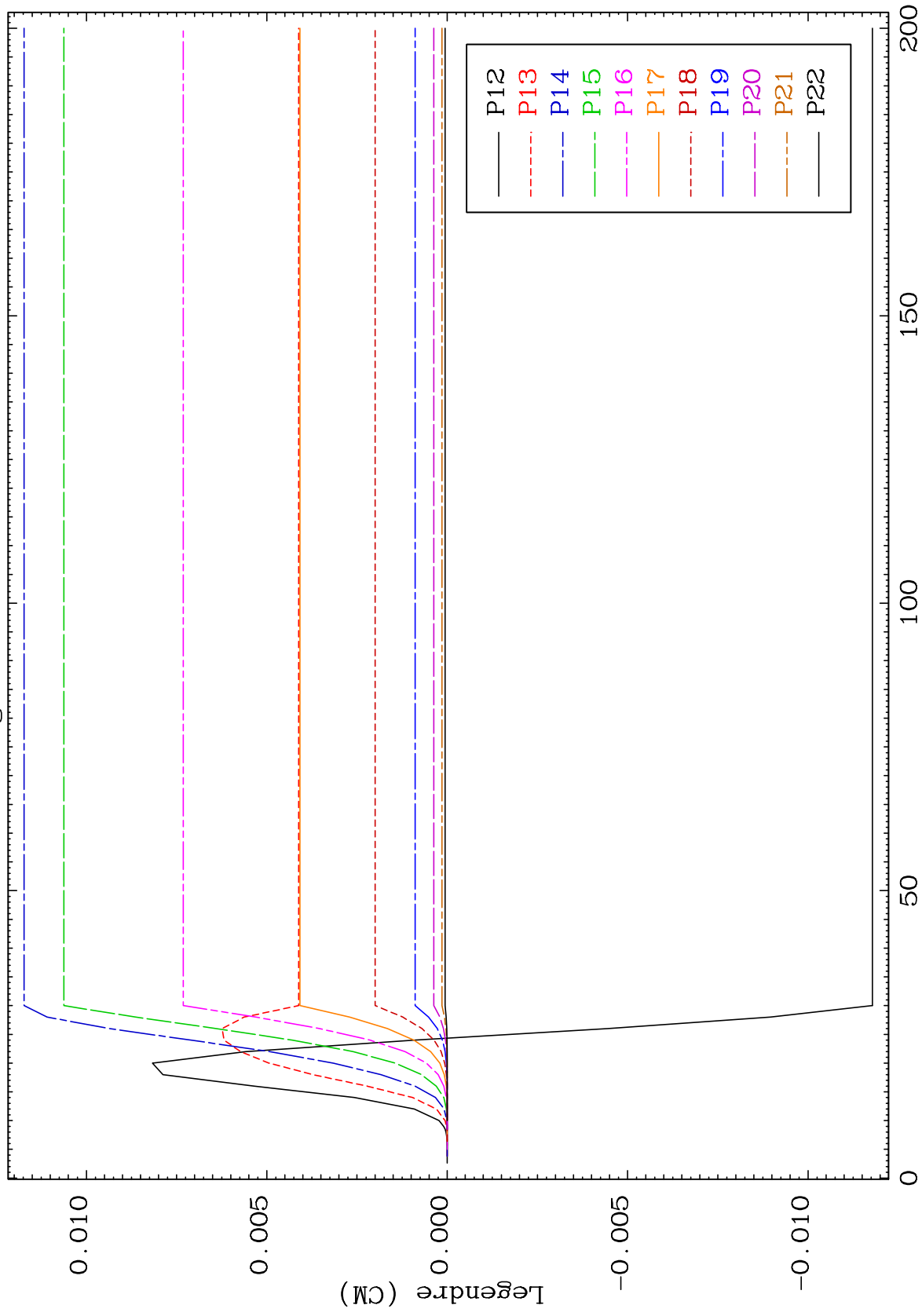
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

28-Ni-63



33

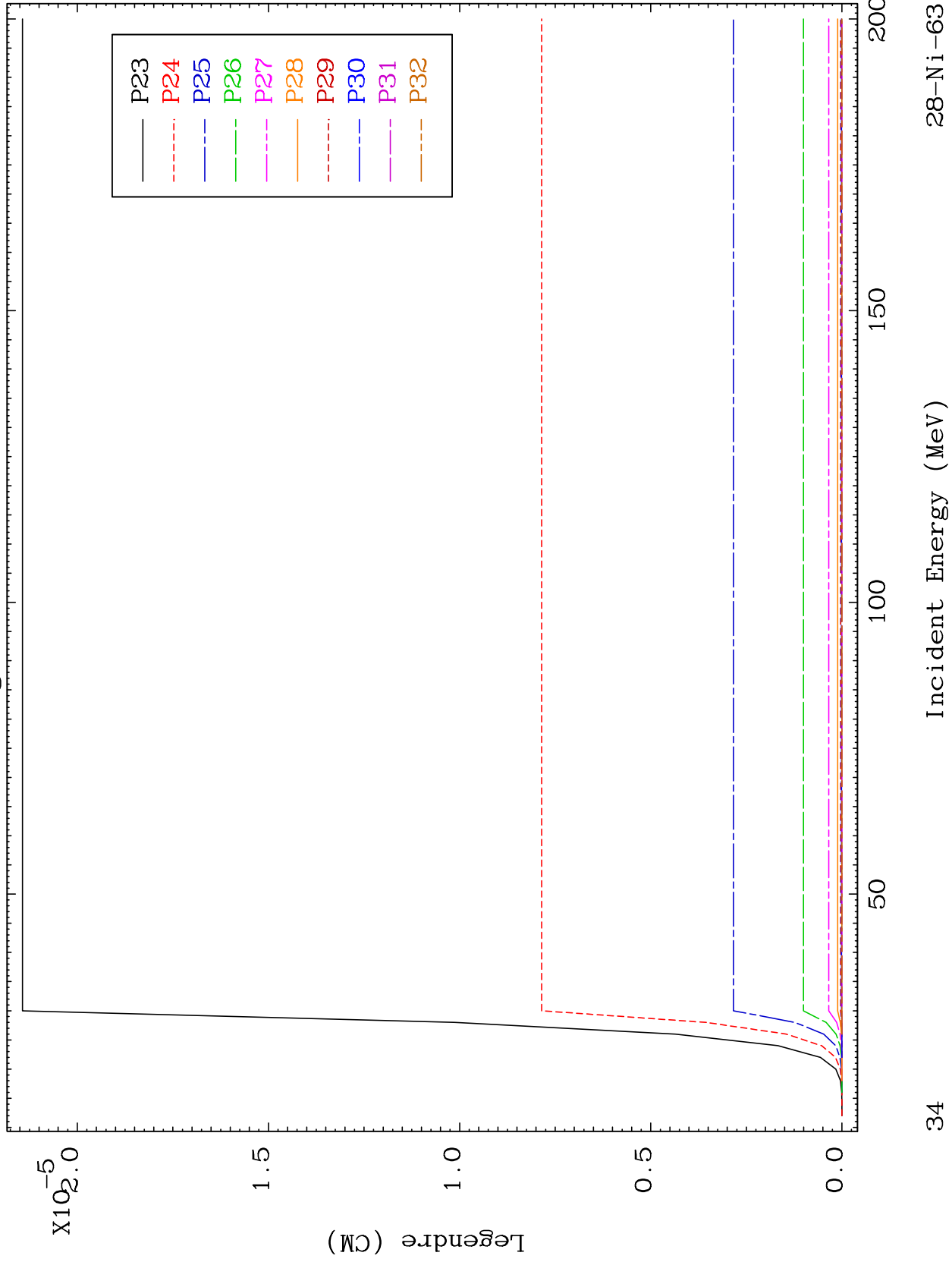
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

28-Ni-63



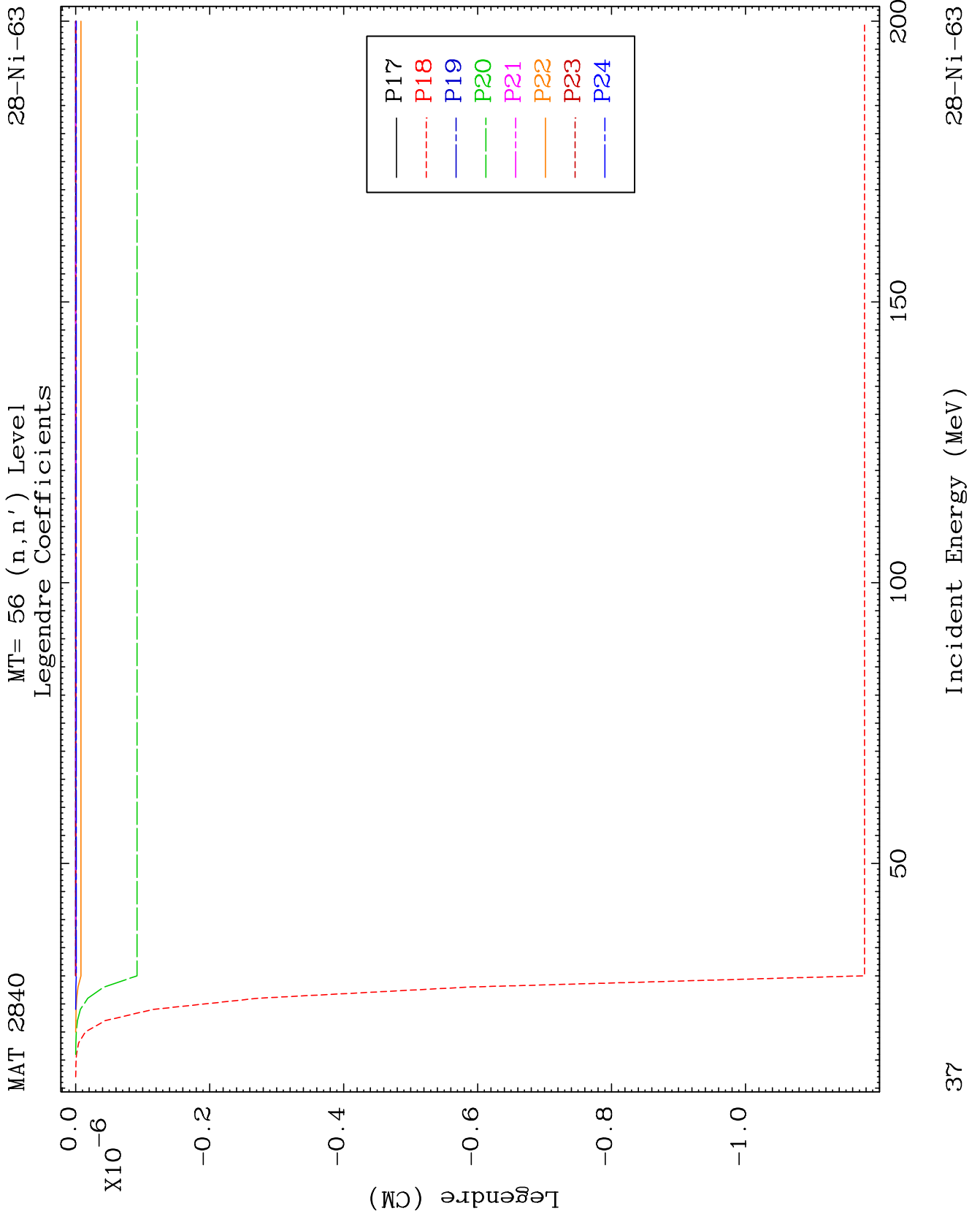
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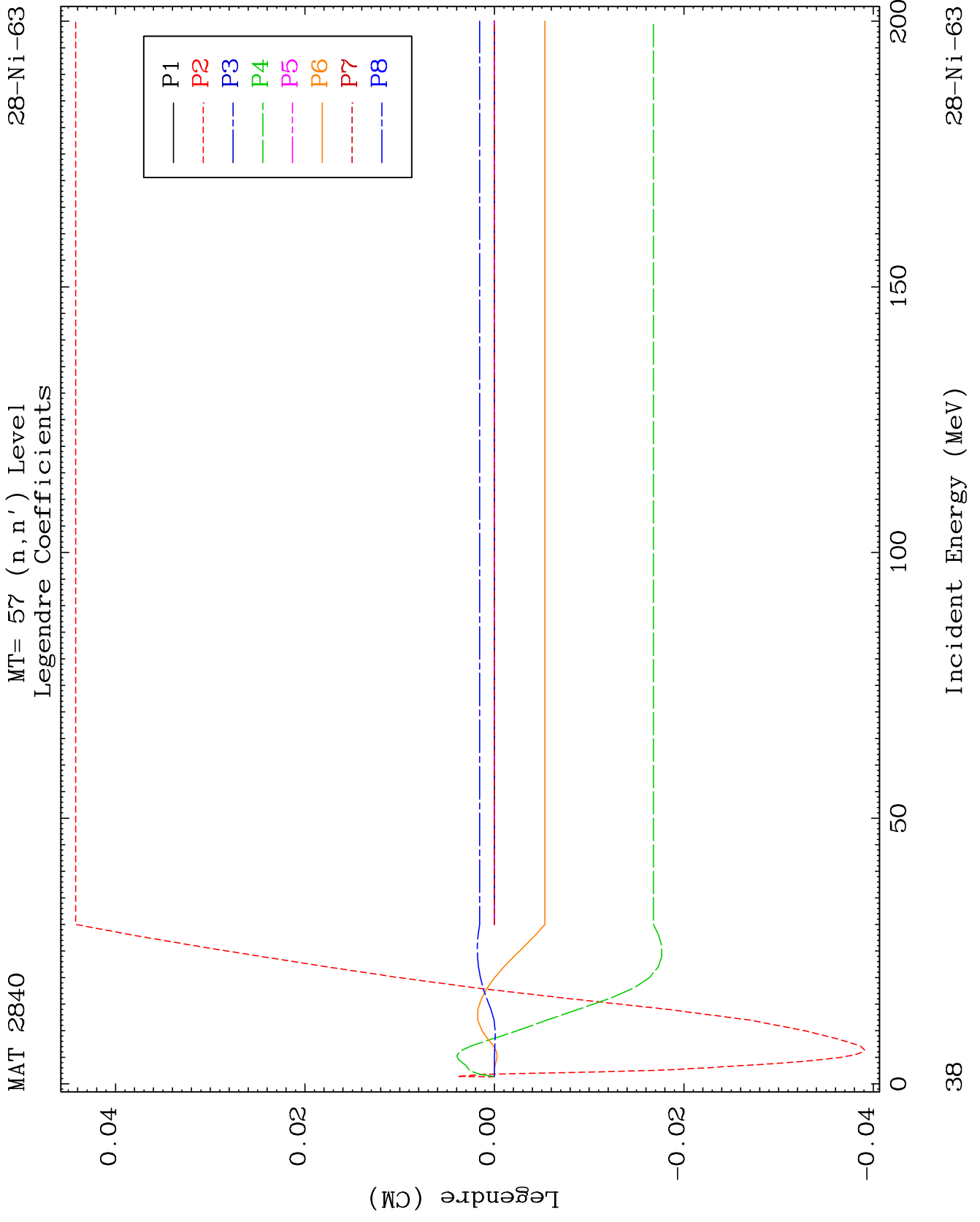
Incident Energy (MeV)

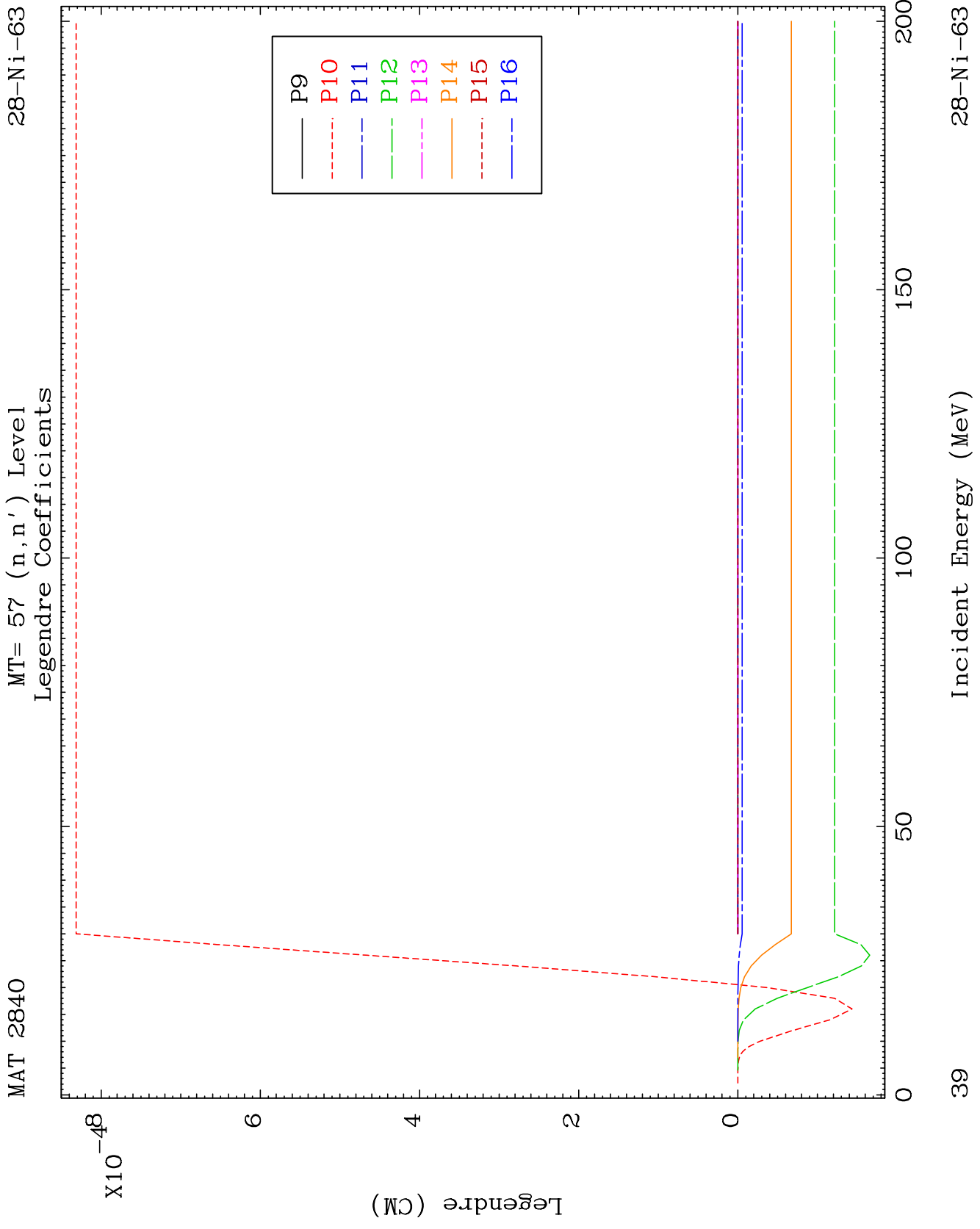
28-Ni-63



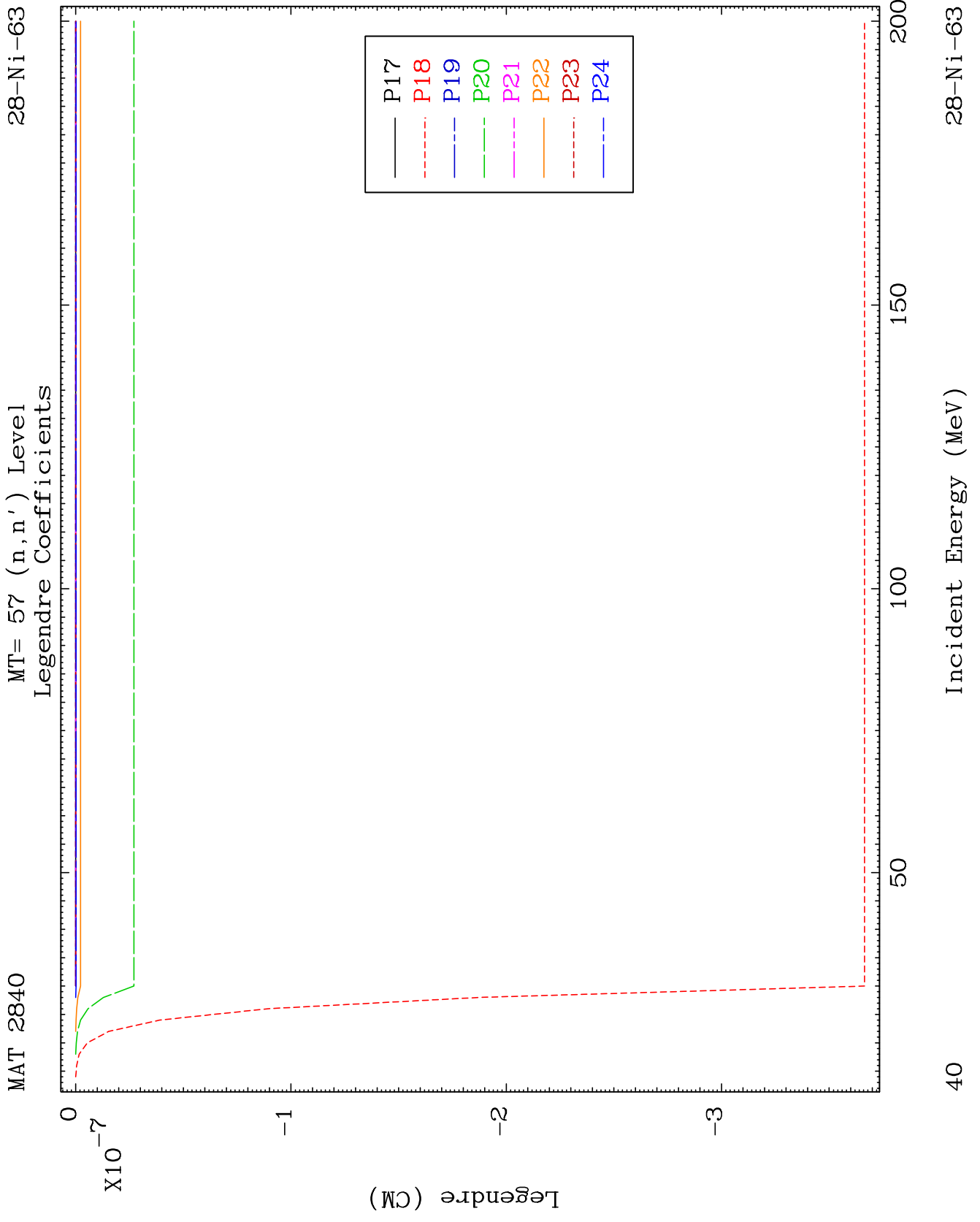








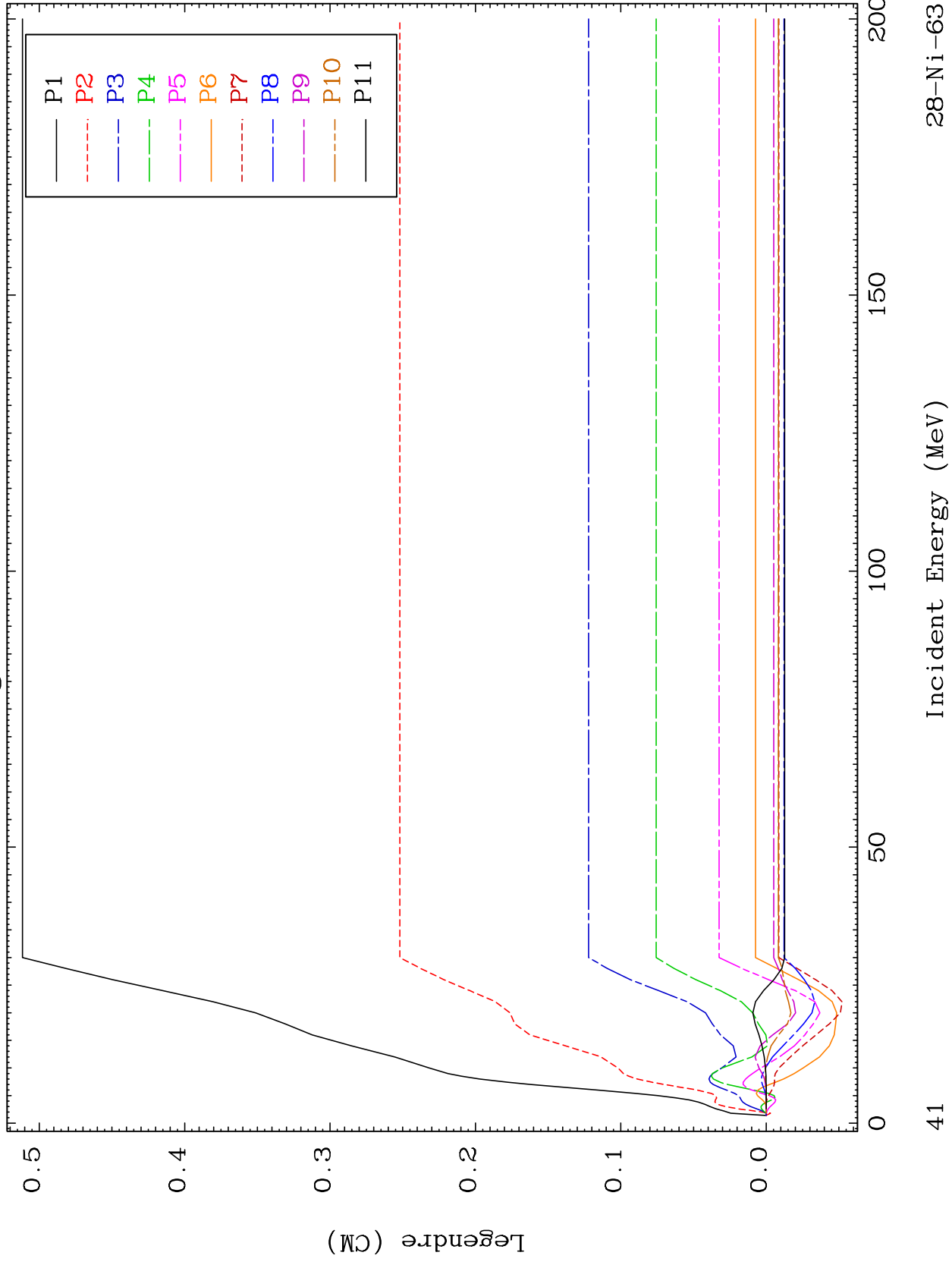




MAT 2840

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

28-Ni-63



41

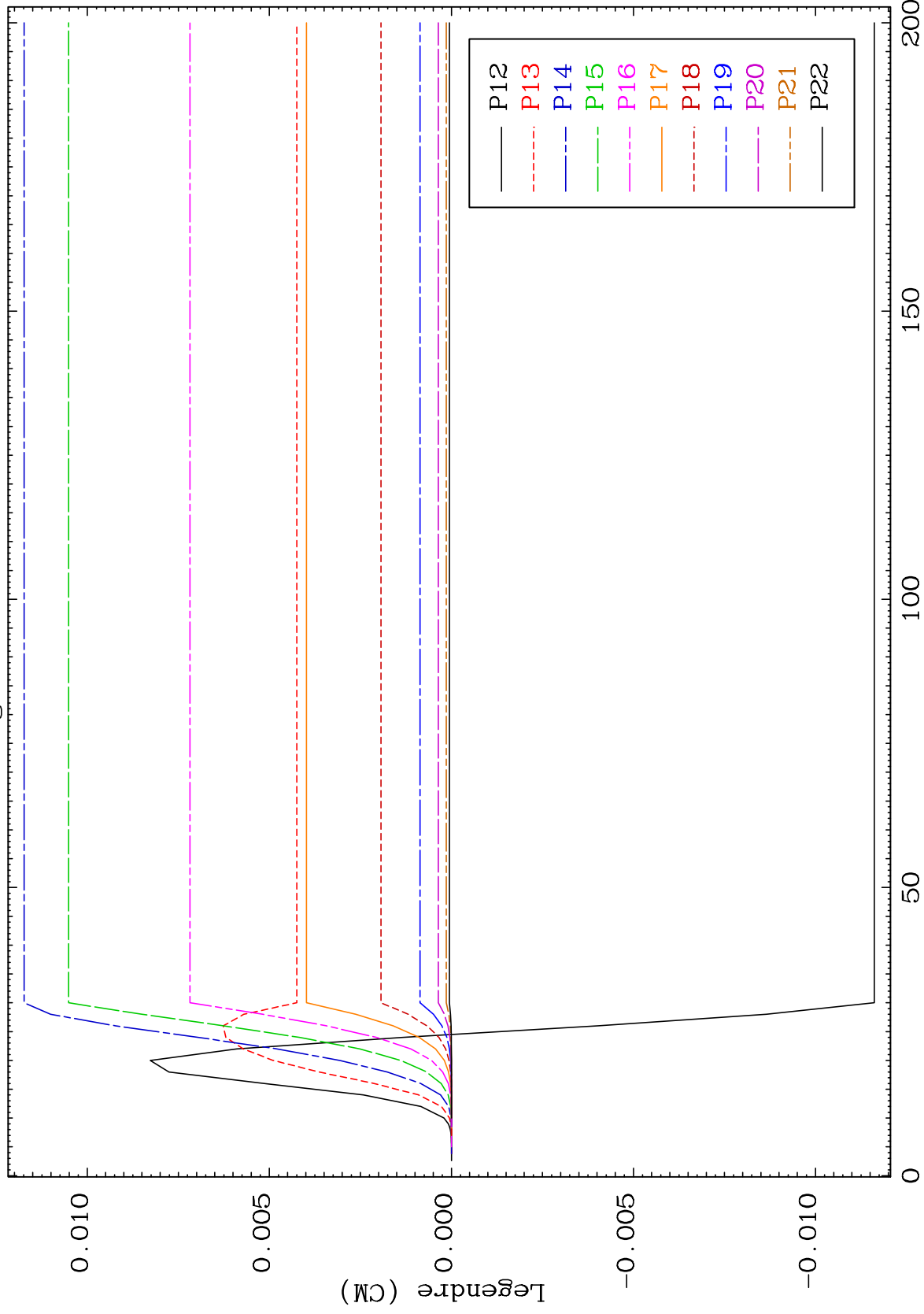
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

28-Ni-63



42

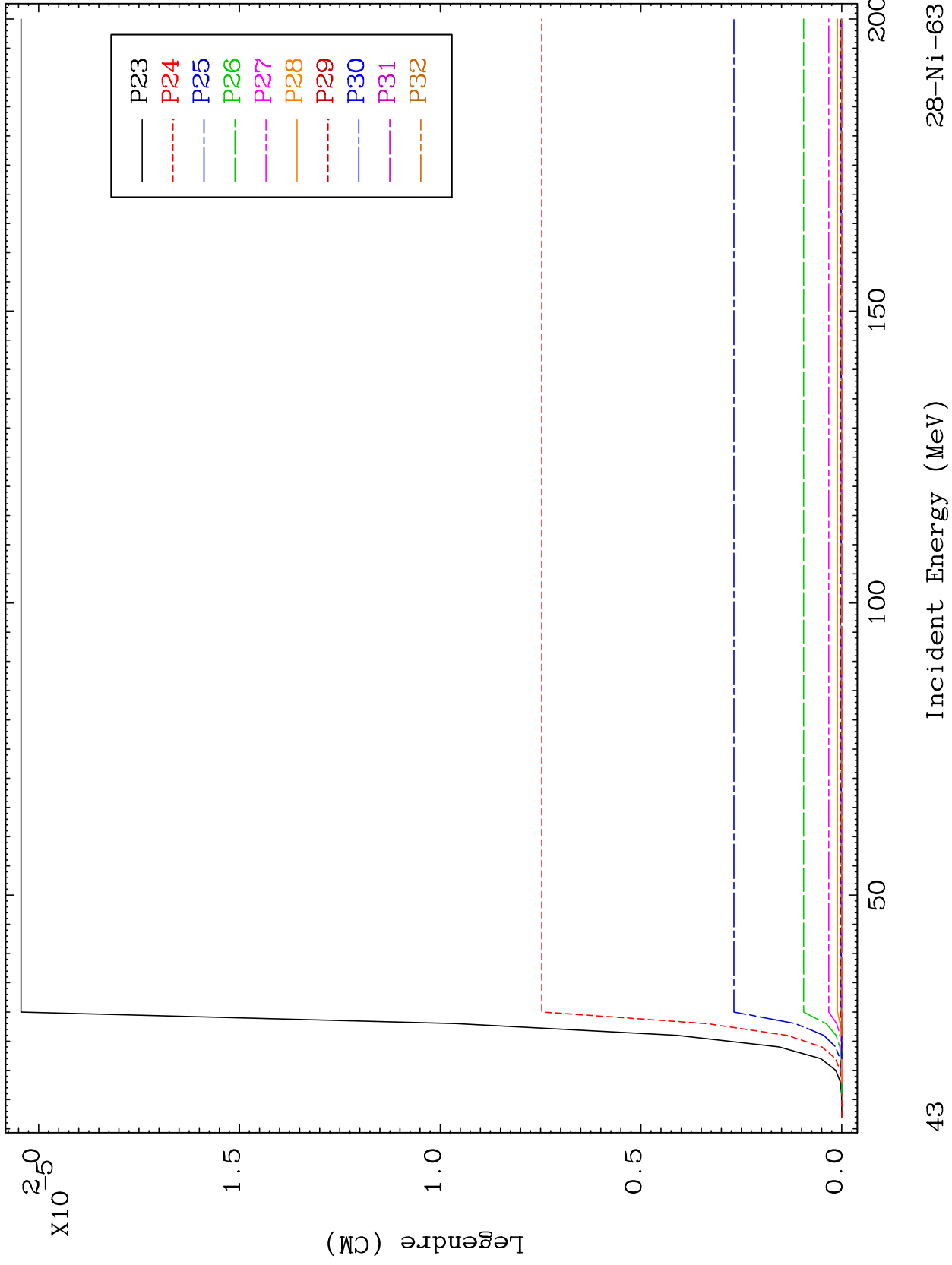
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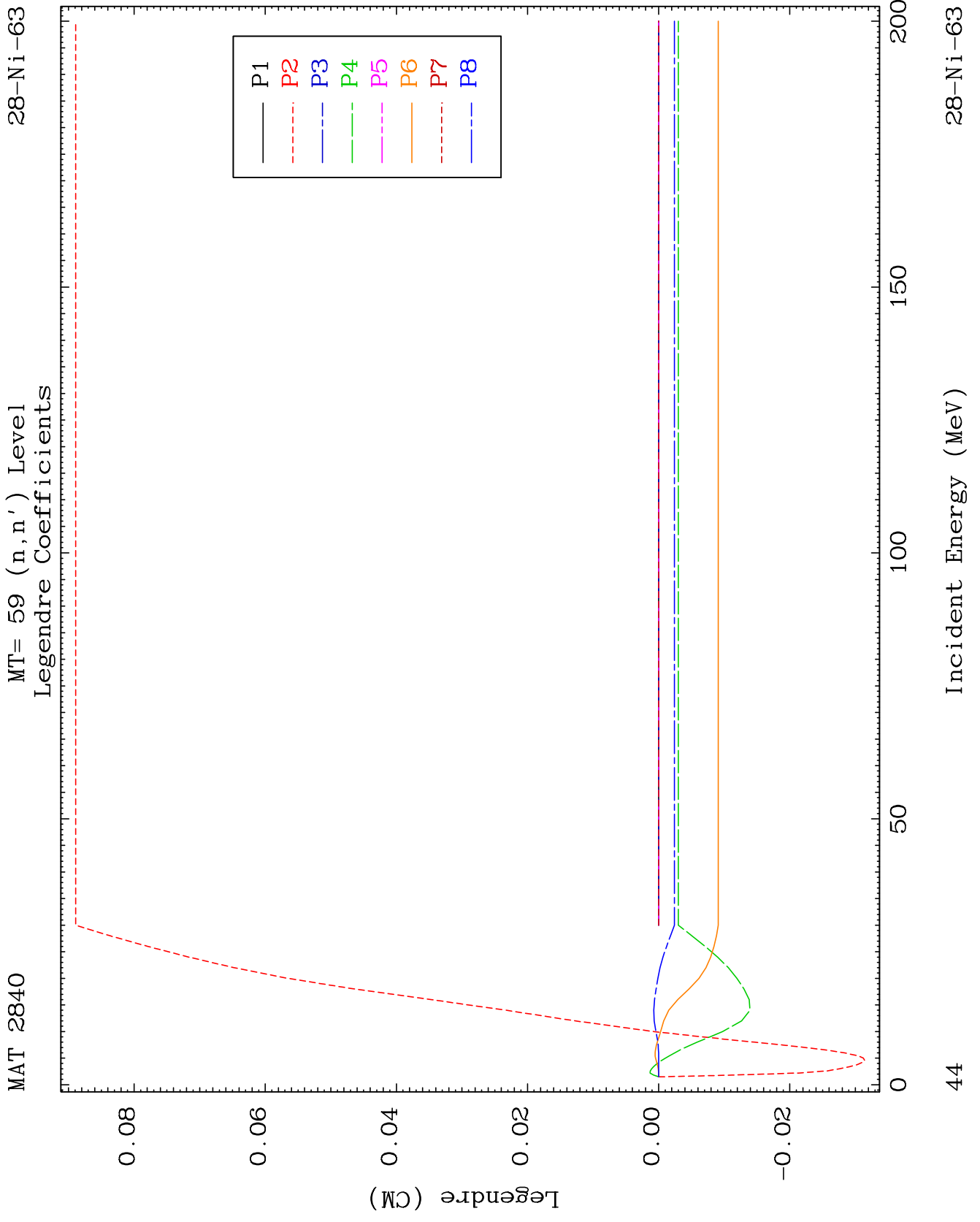
28-Ni-63

MAT 2840

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

28-Ni-63

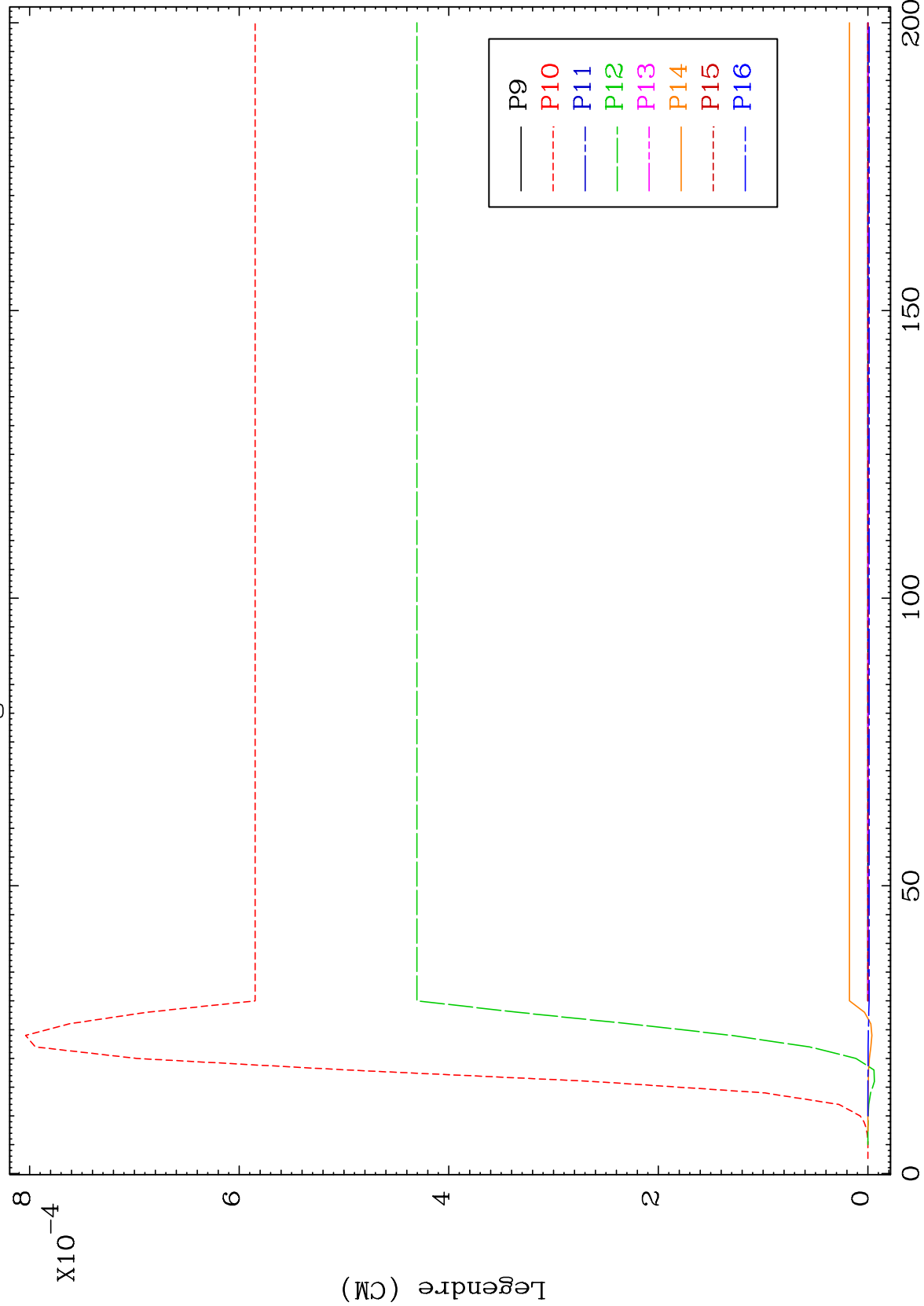




MAT 2840

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

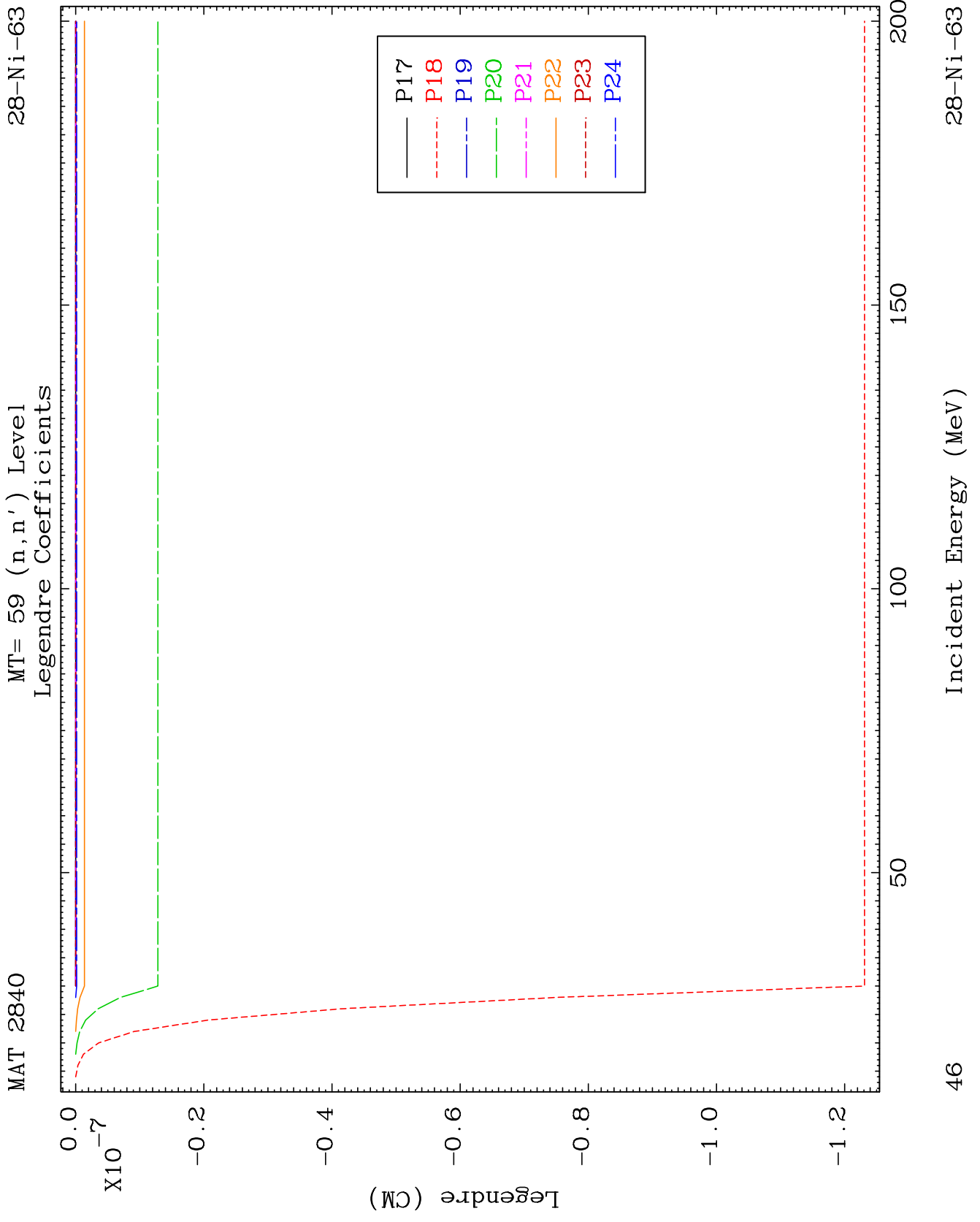
28-Ni-63



28-Ni-63

Incident Energy (MeV)

45



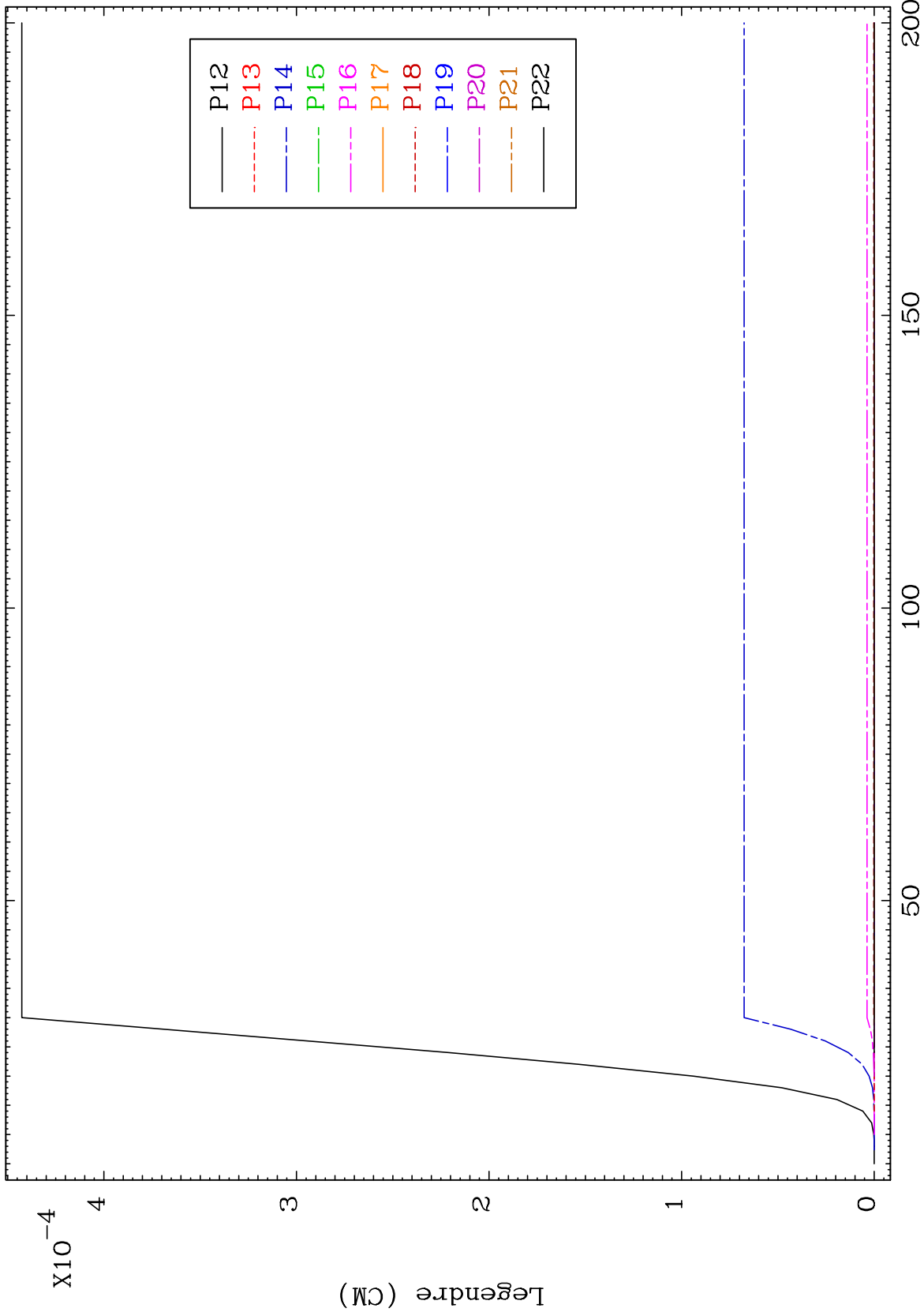




MAT 2840

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

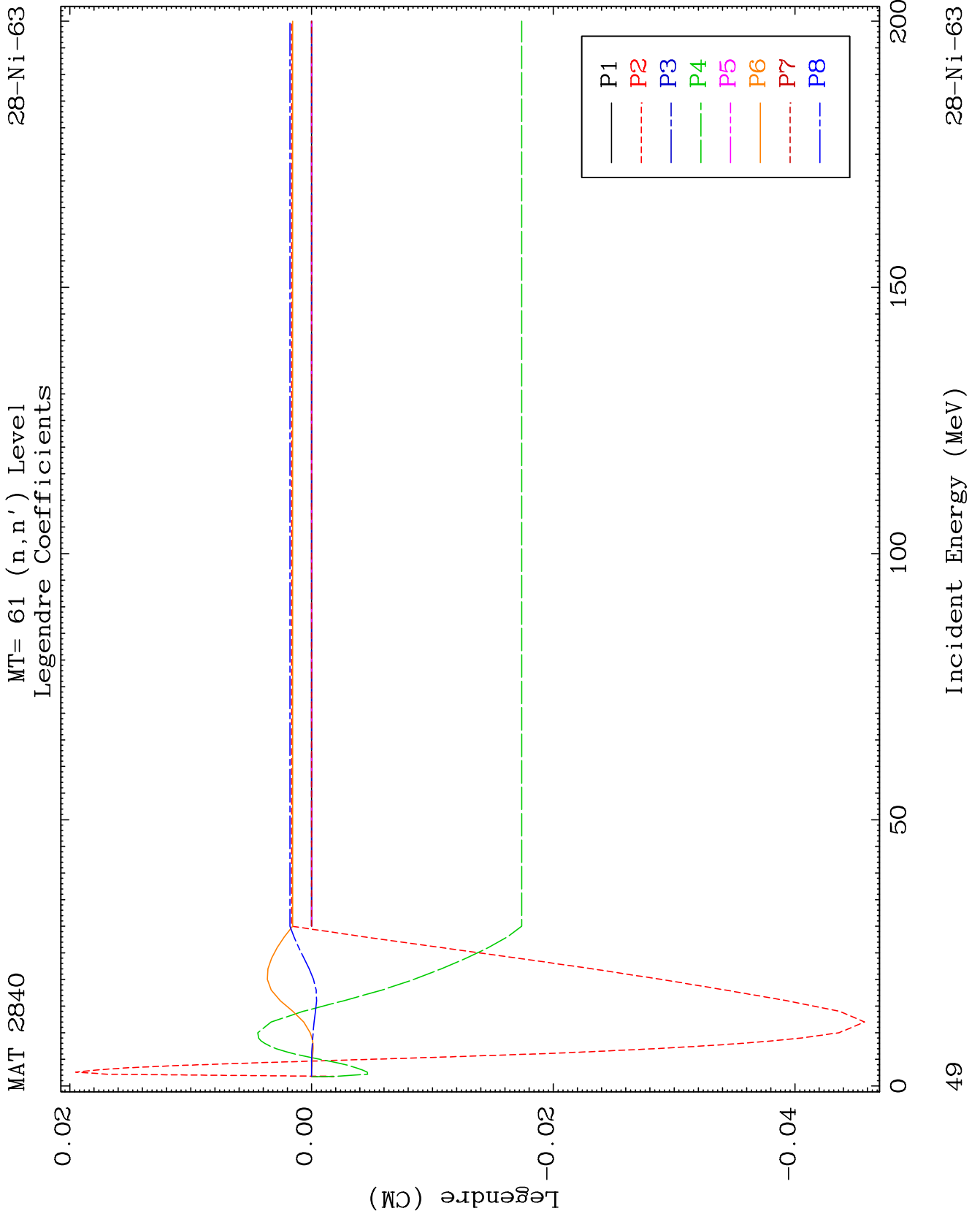
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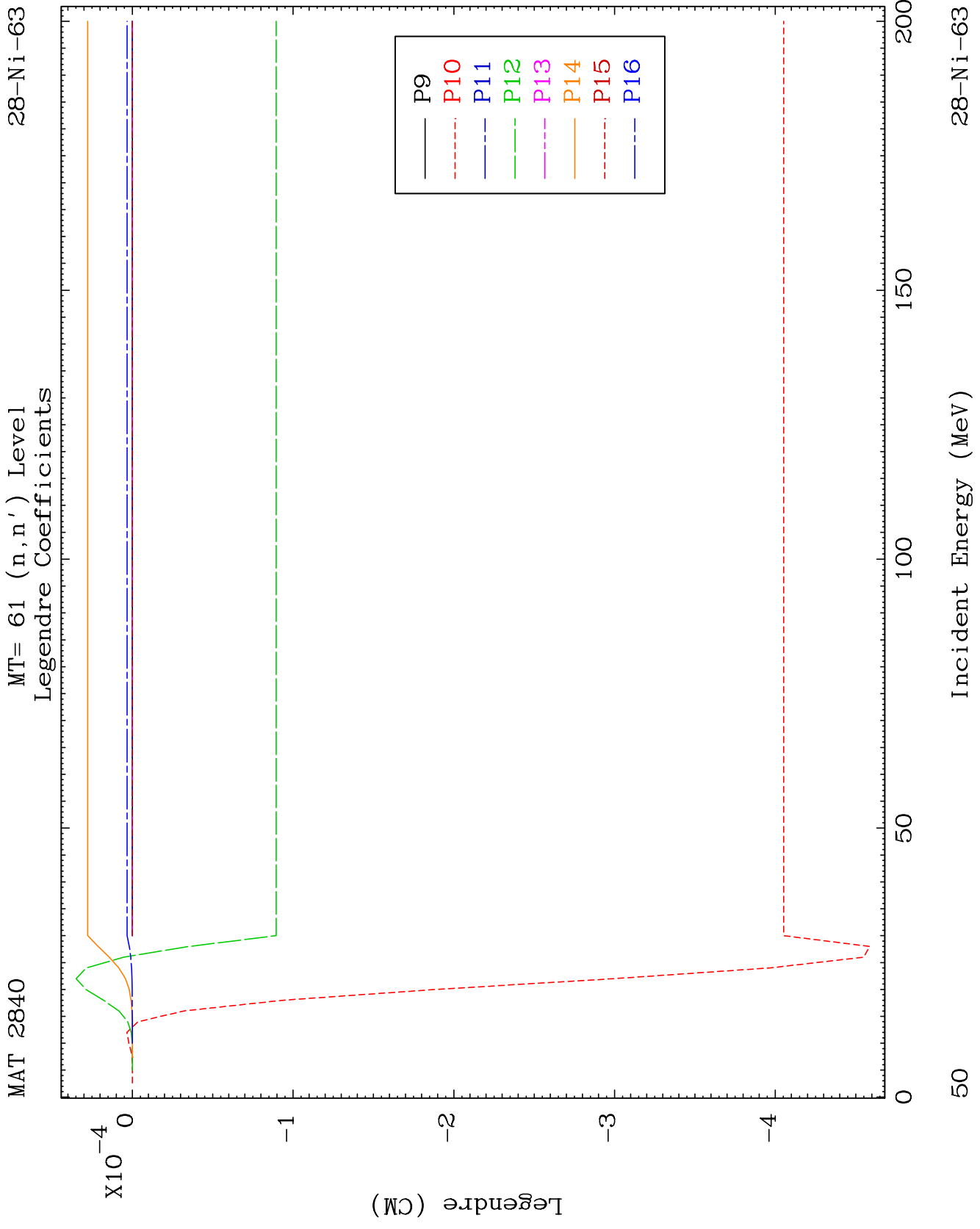


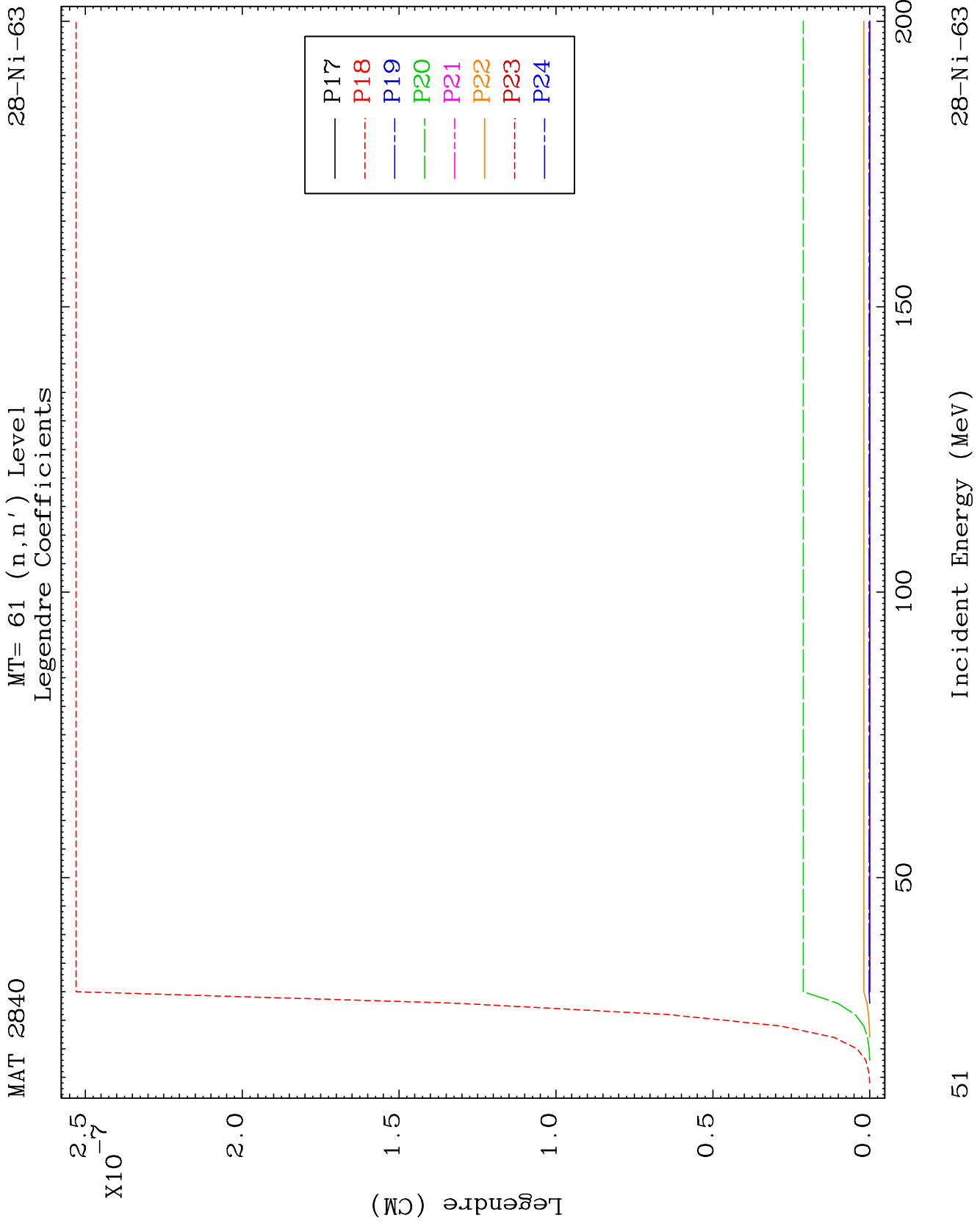
48

Incident Energy (MeV)

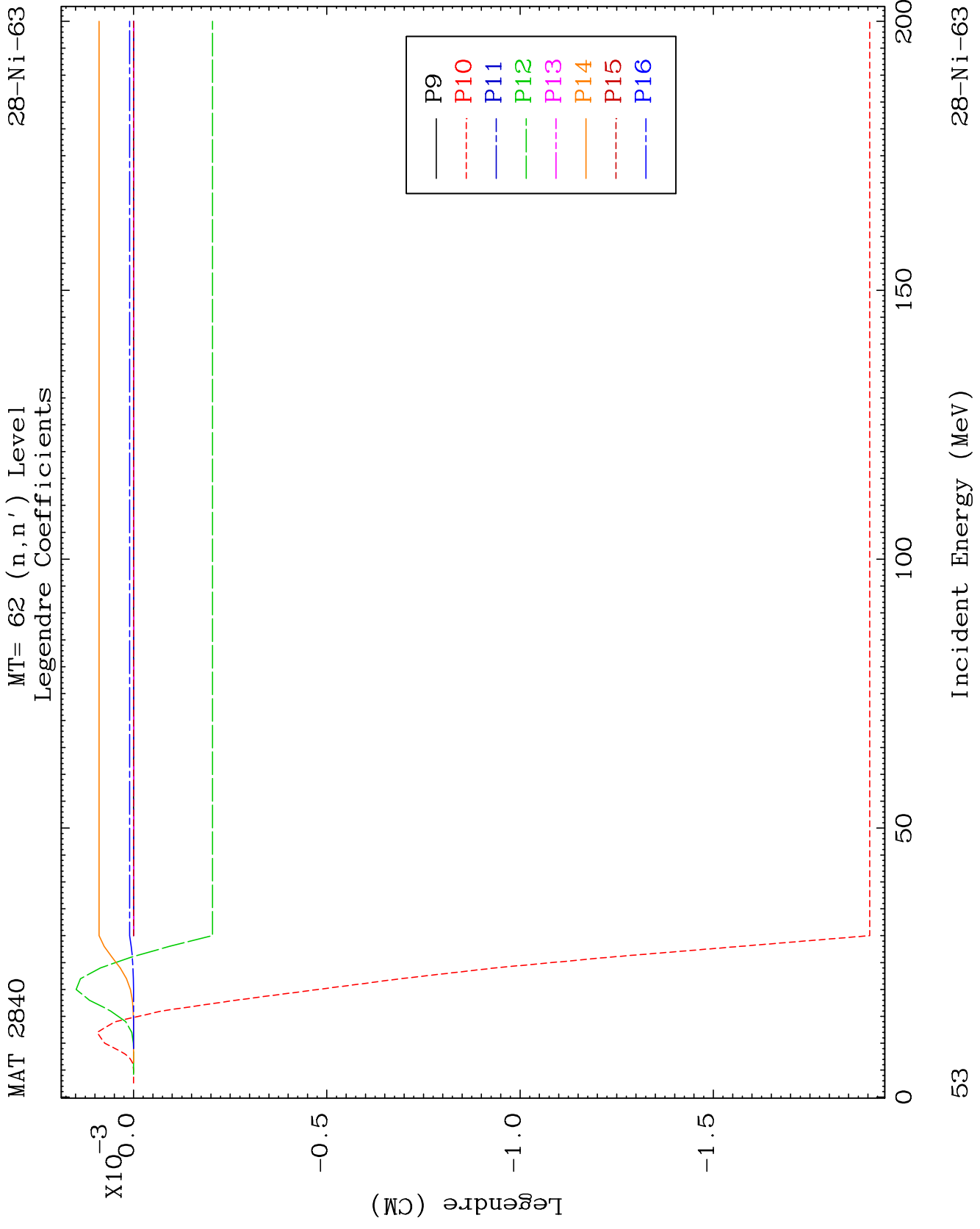
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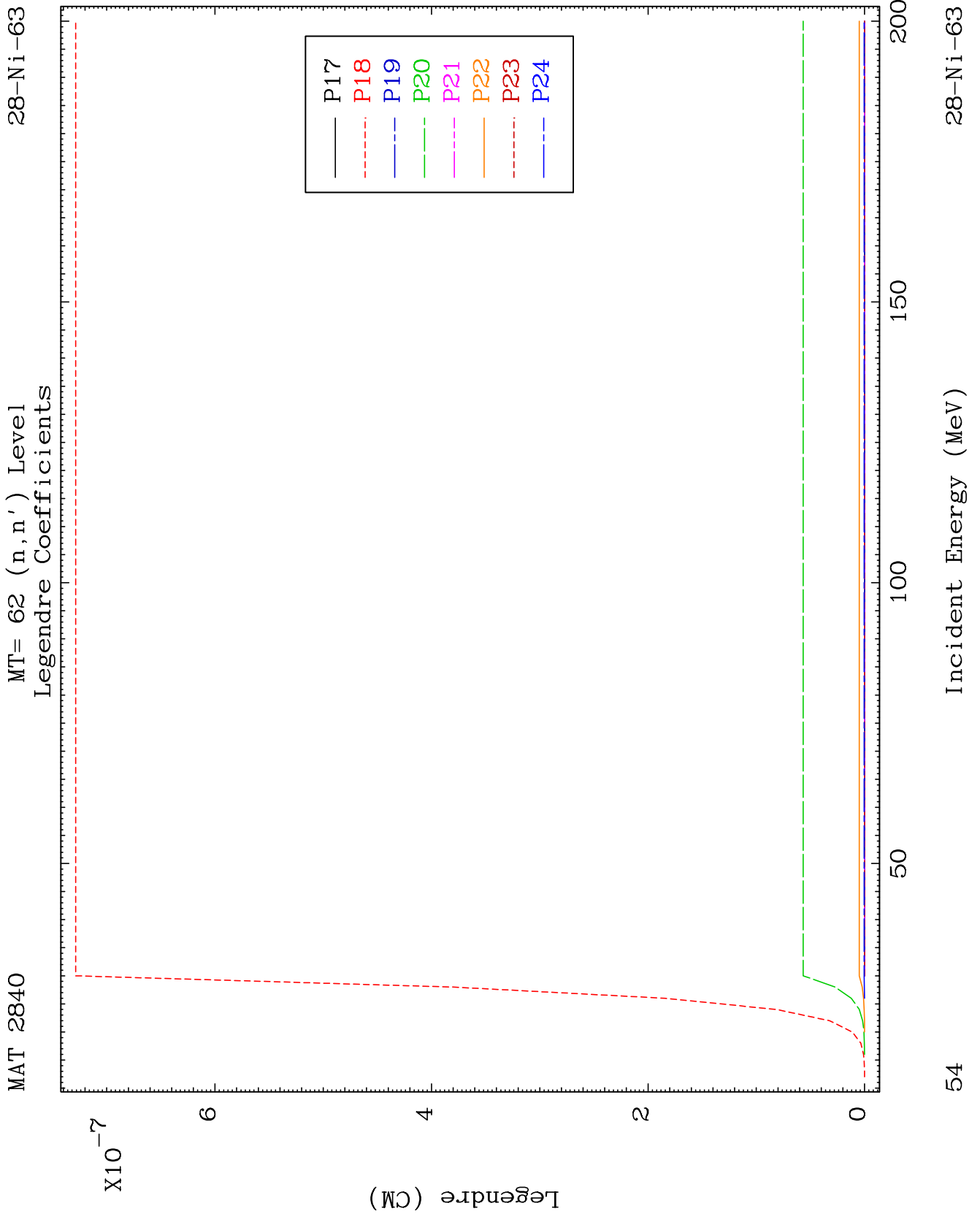






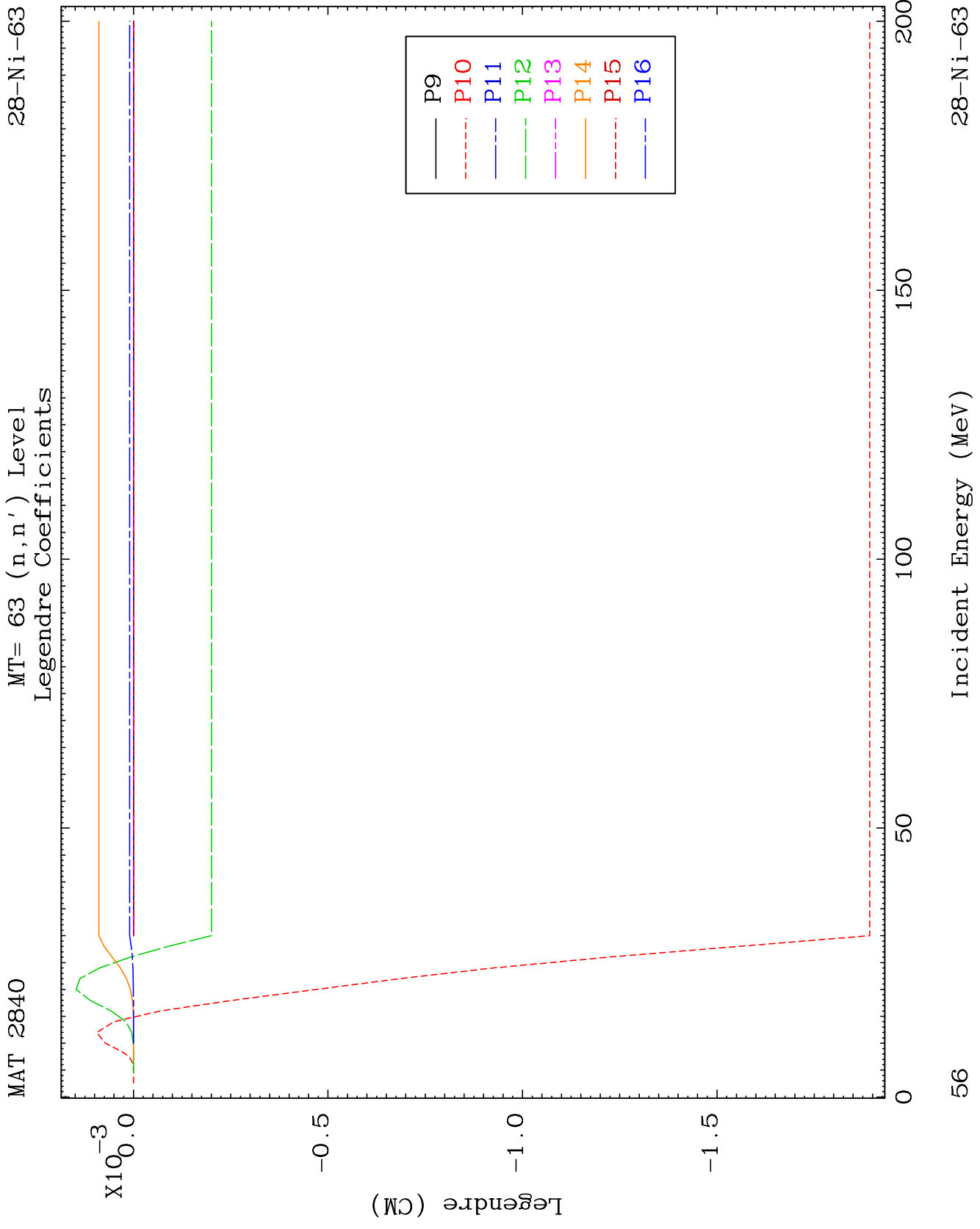


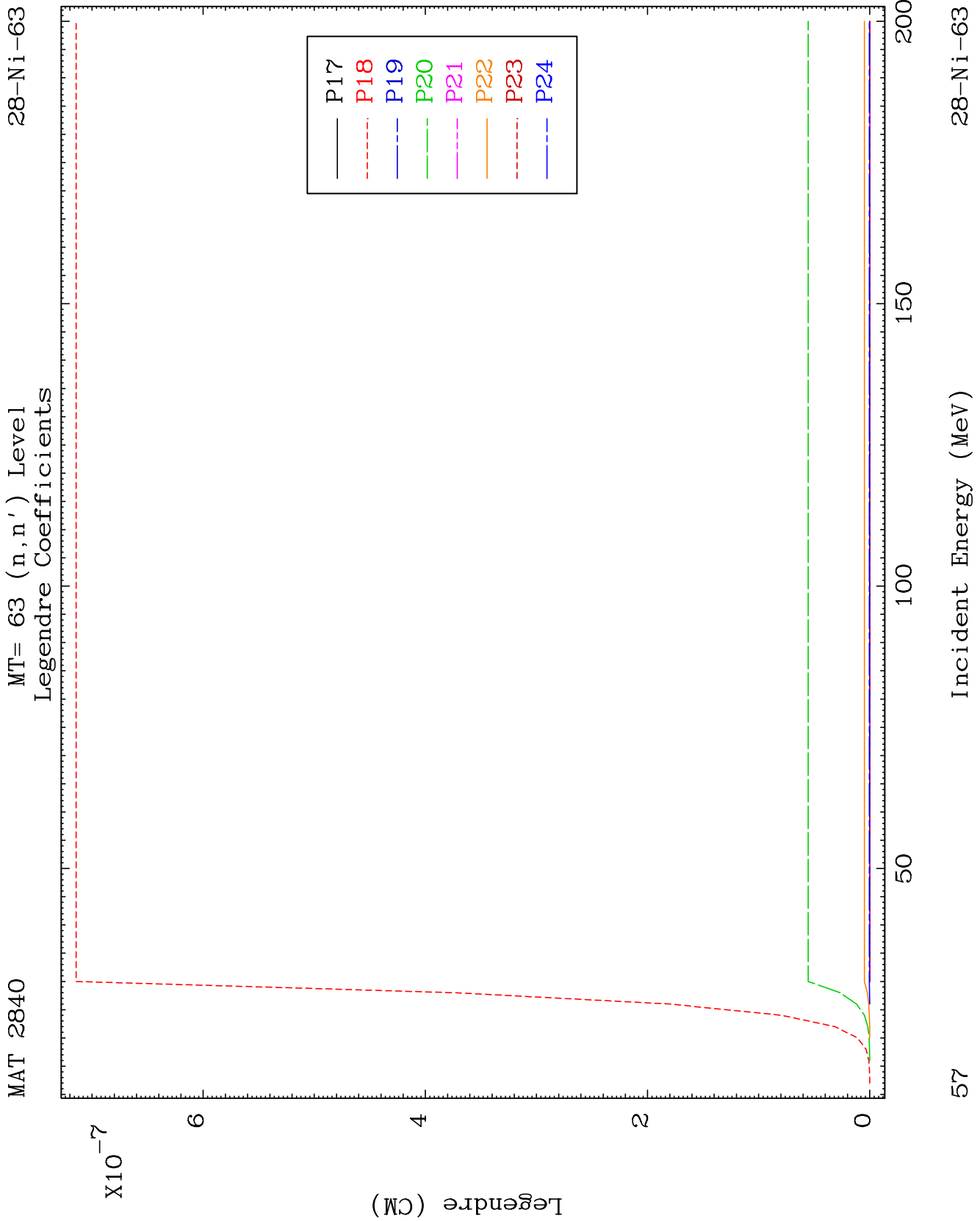




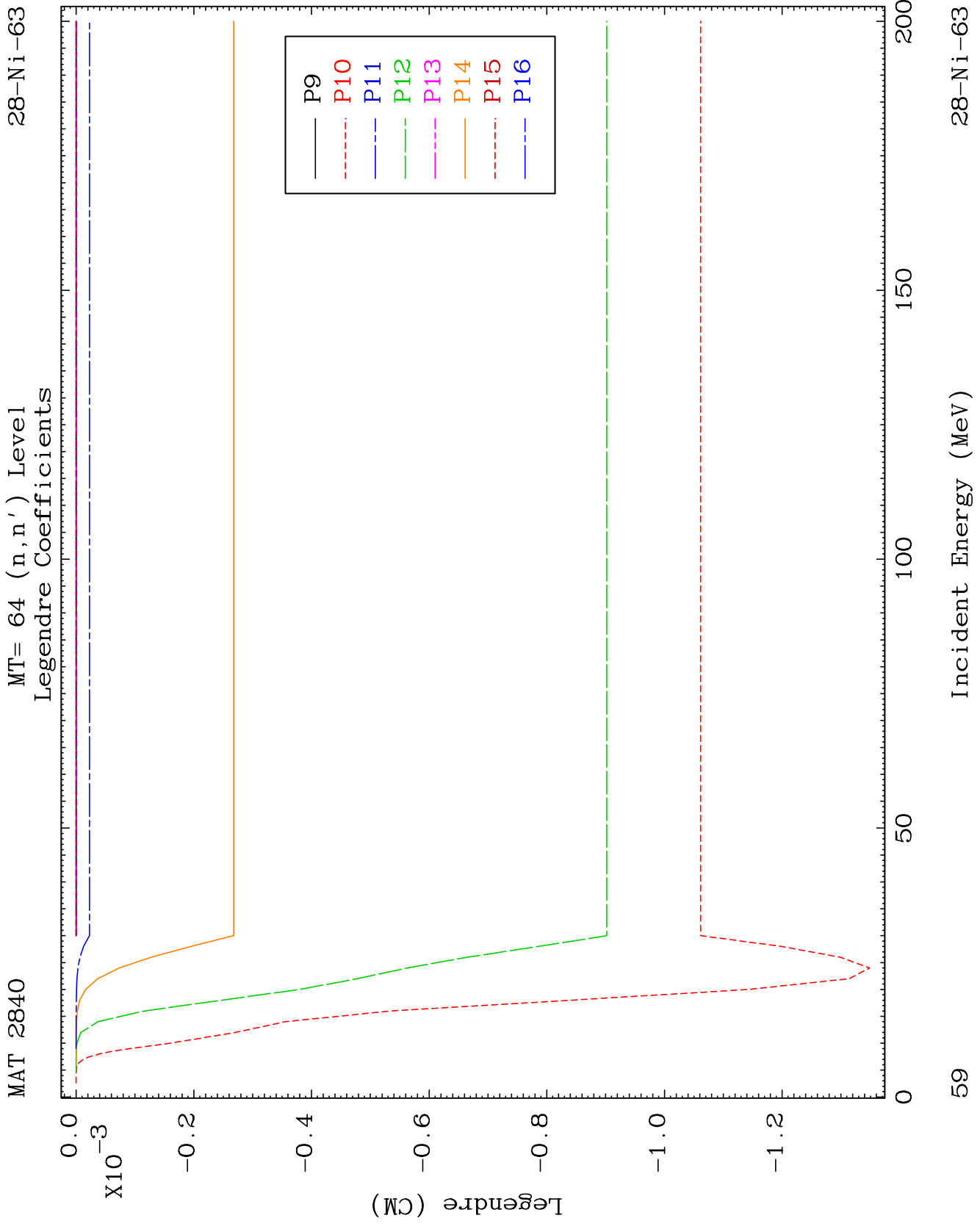


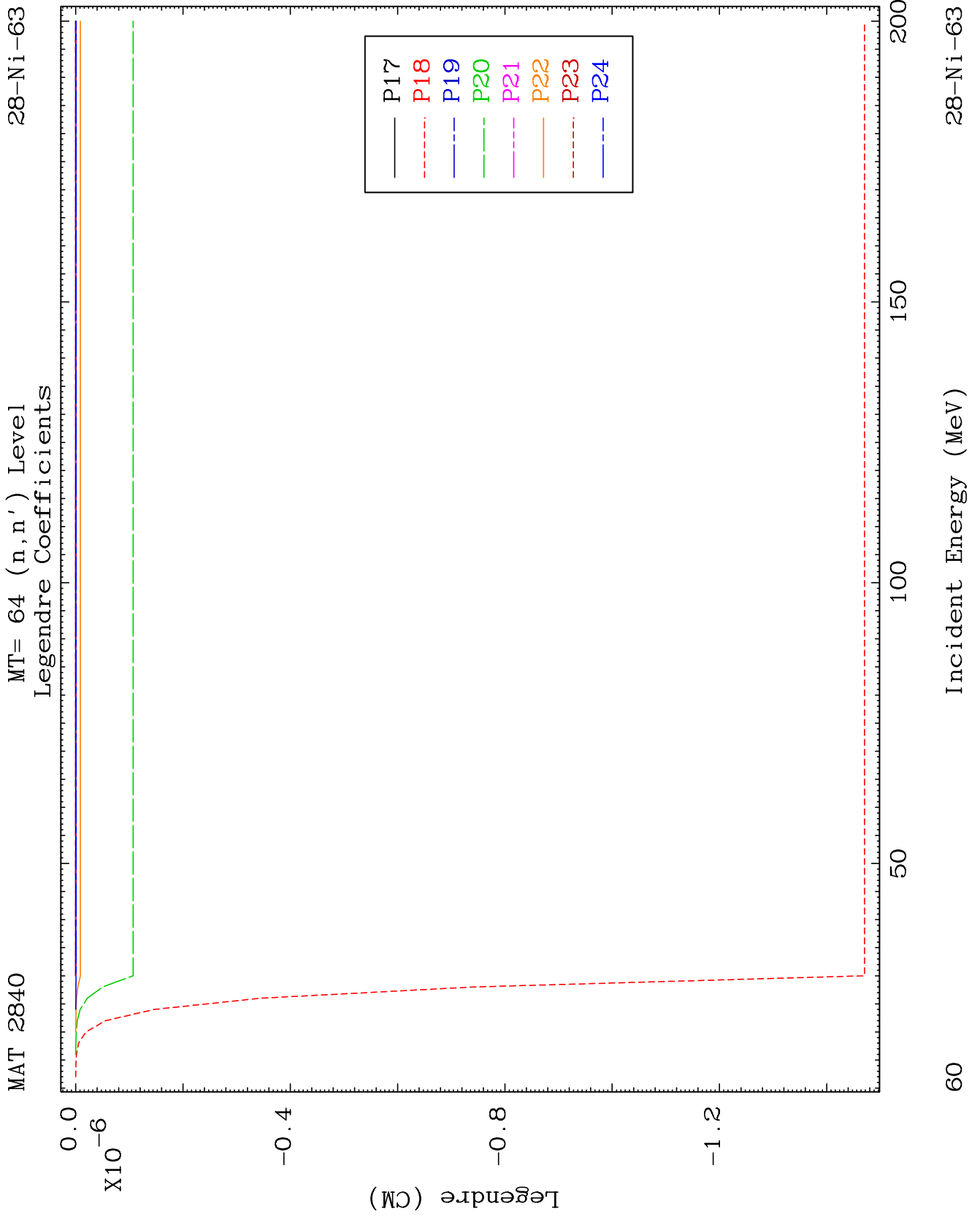








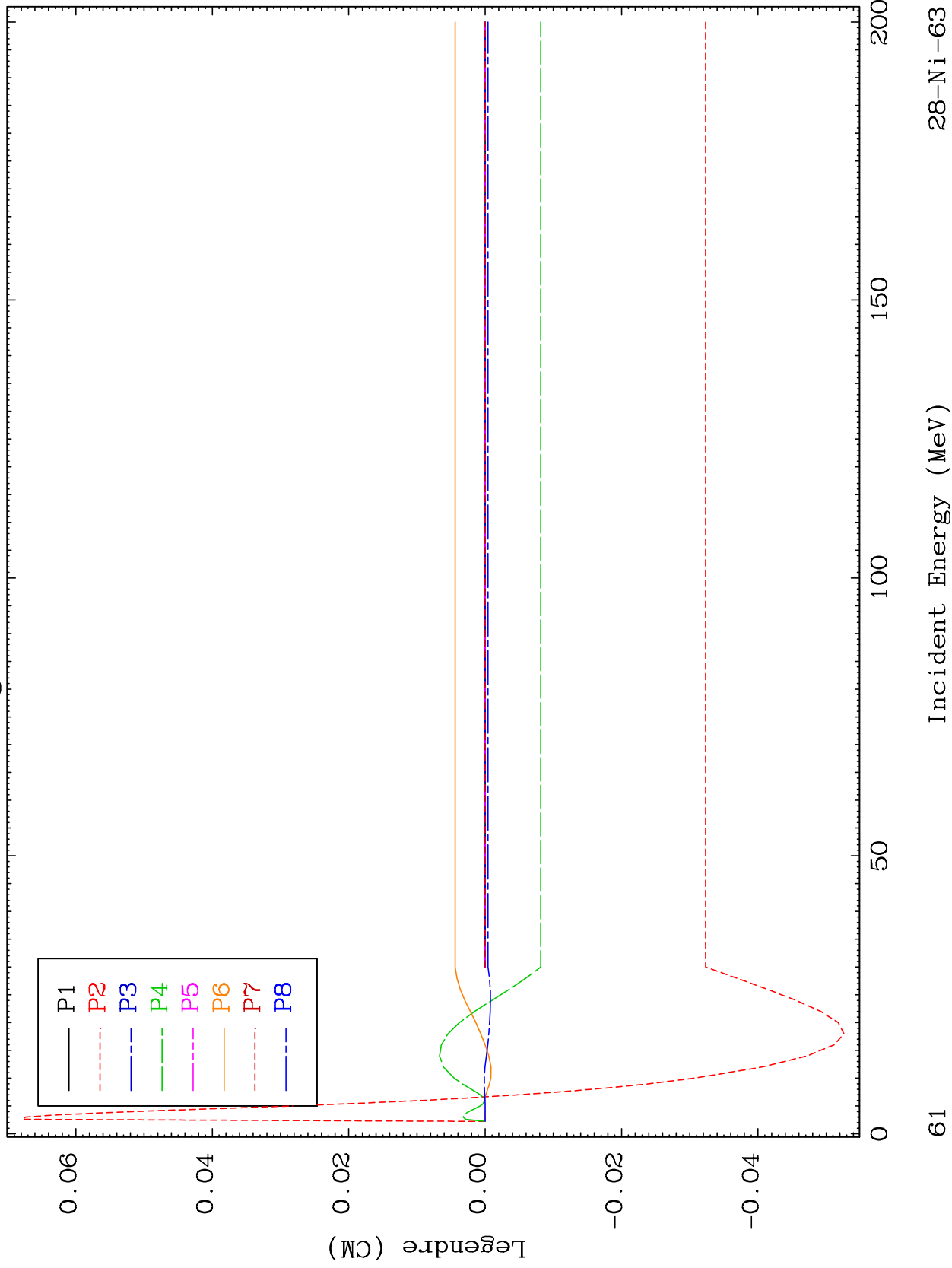




MAT 2840

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

28-Ni-63



61

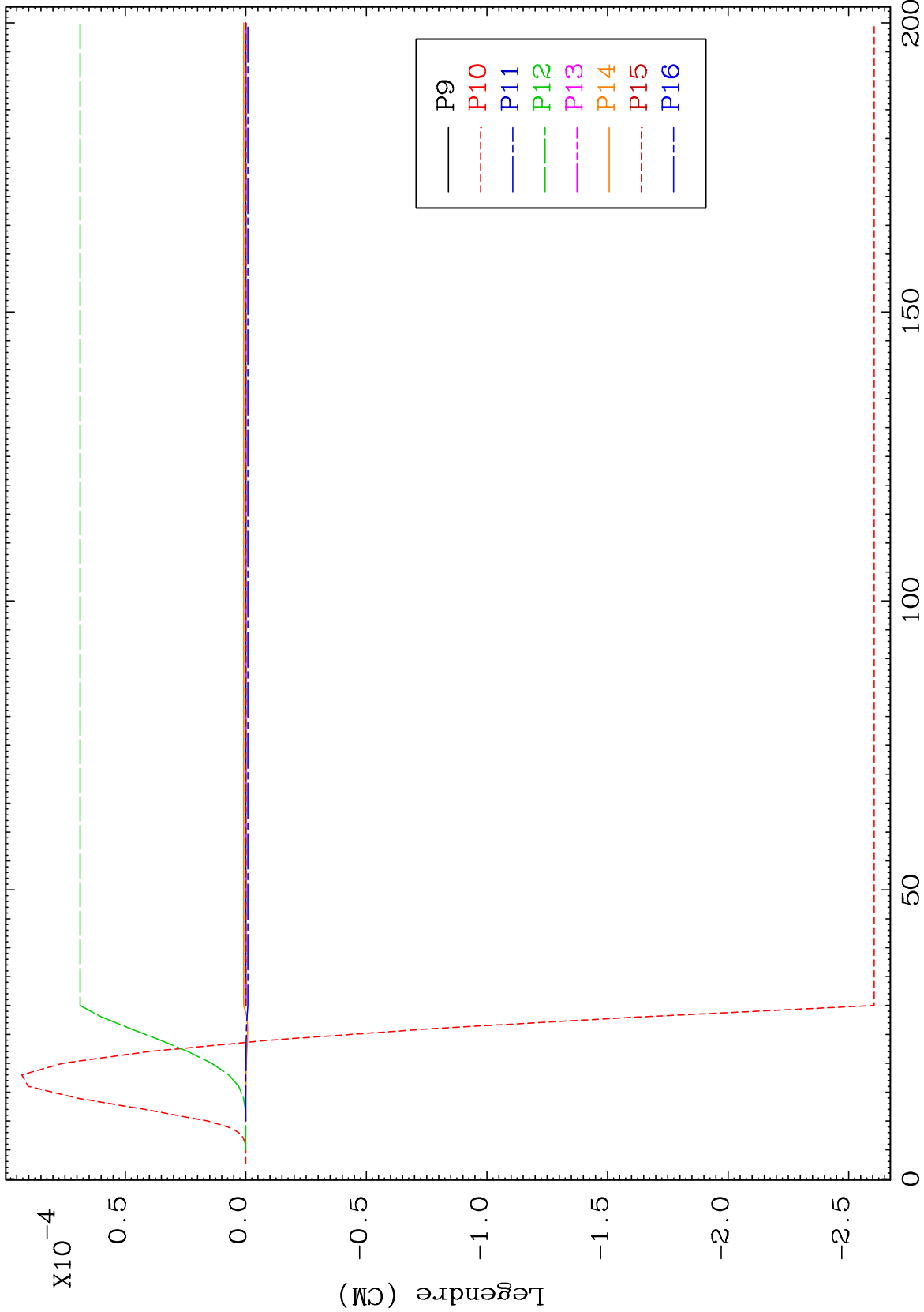
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

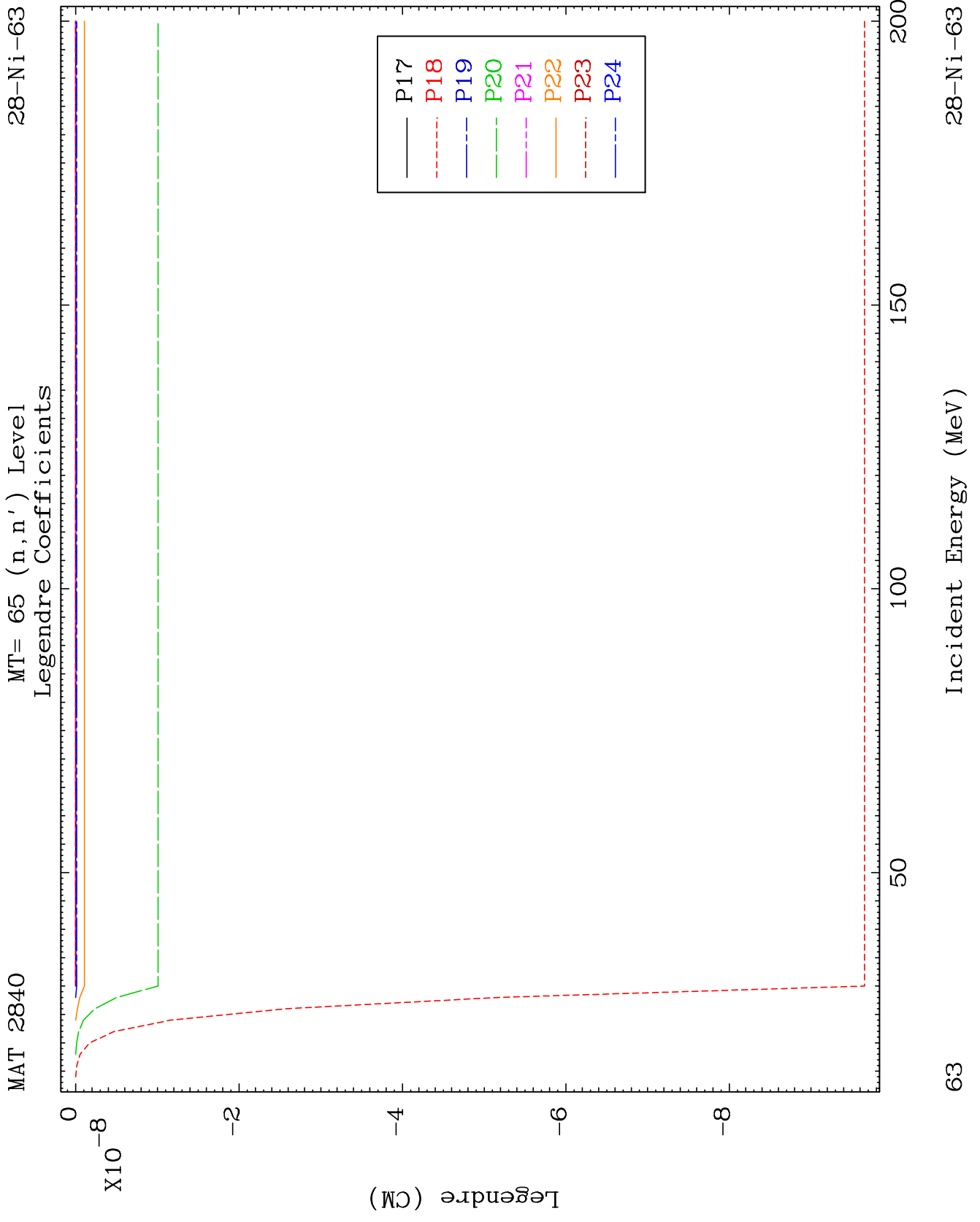
28-Ni-63



62

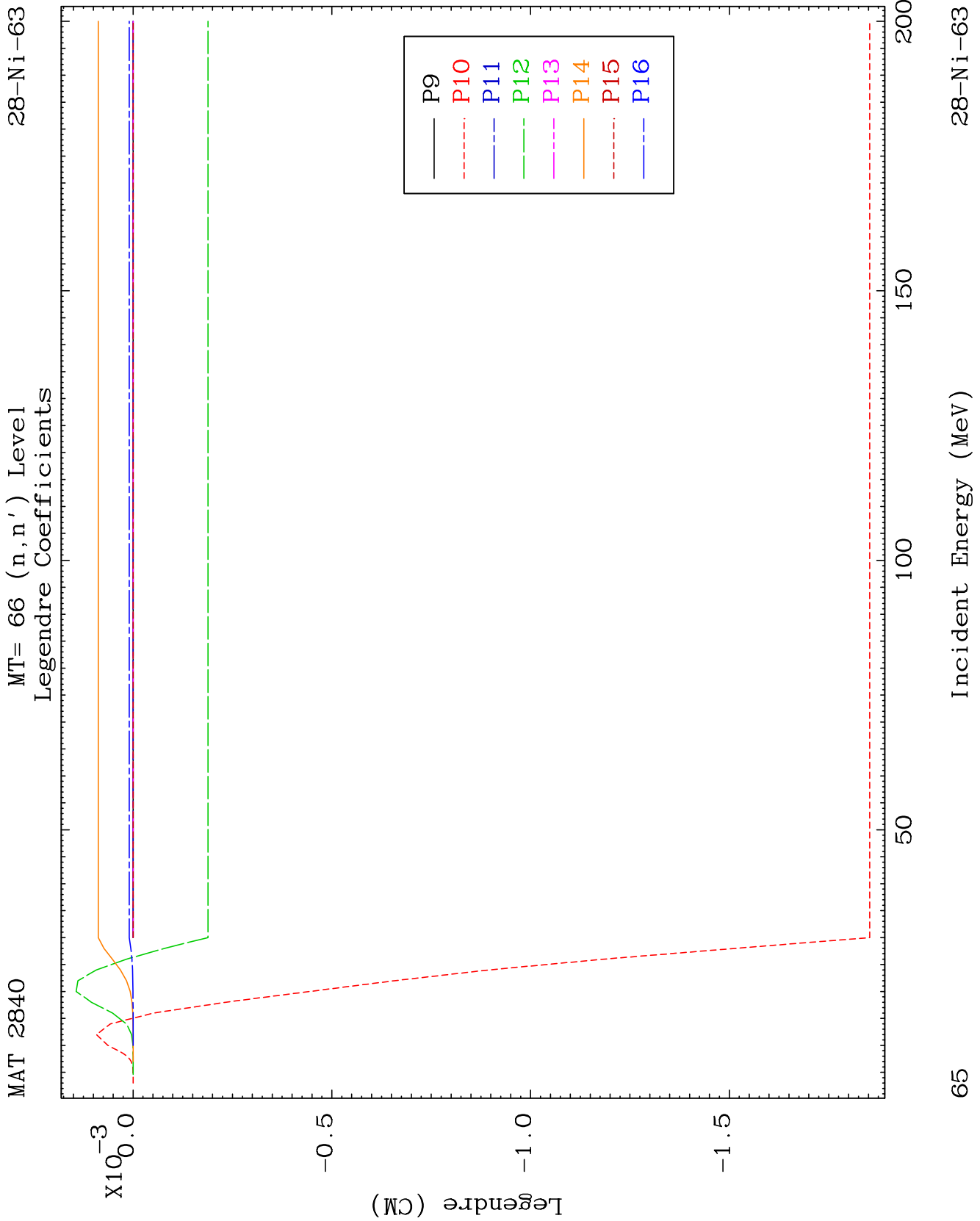
Incident Energy (MeV)

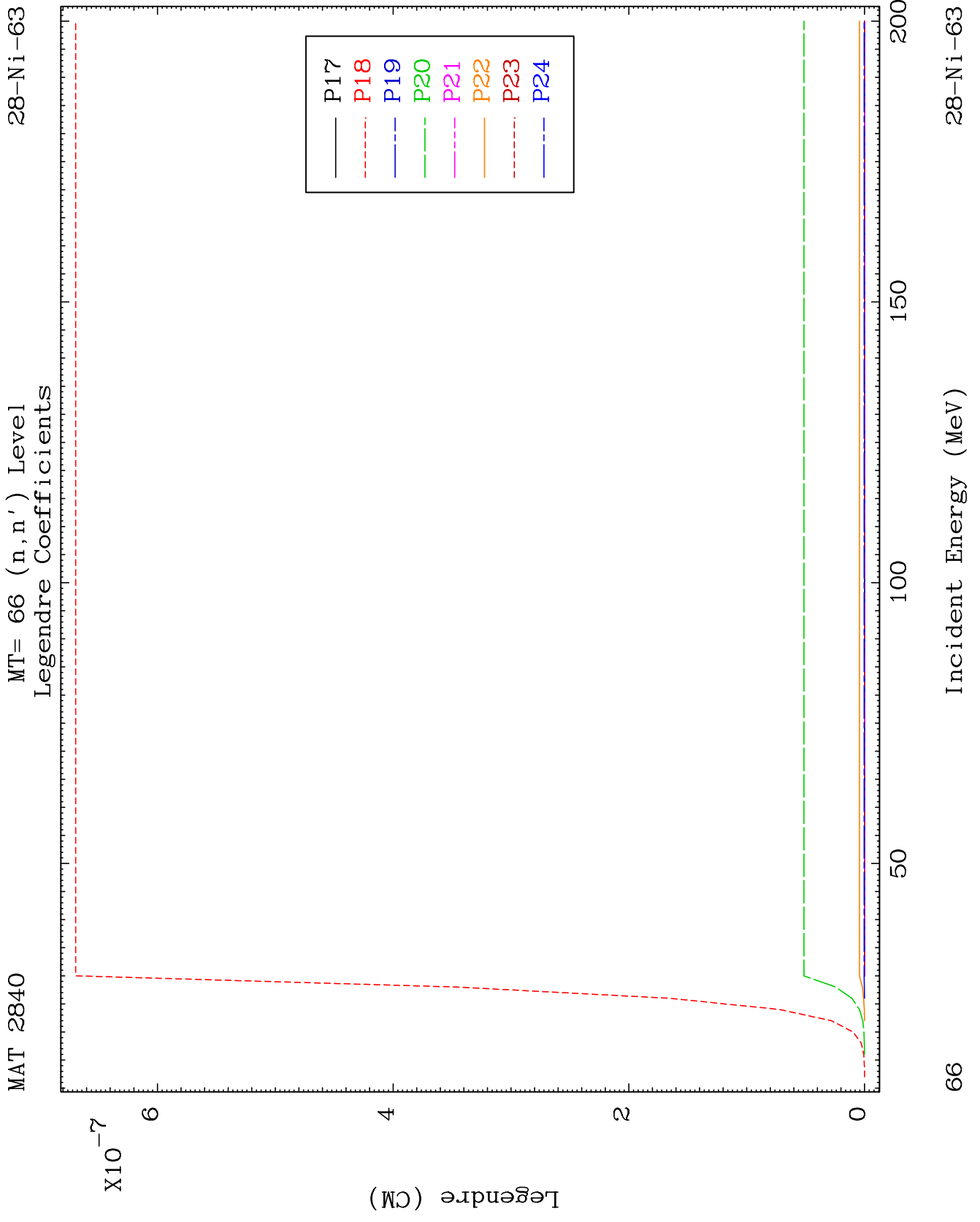
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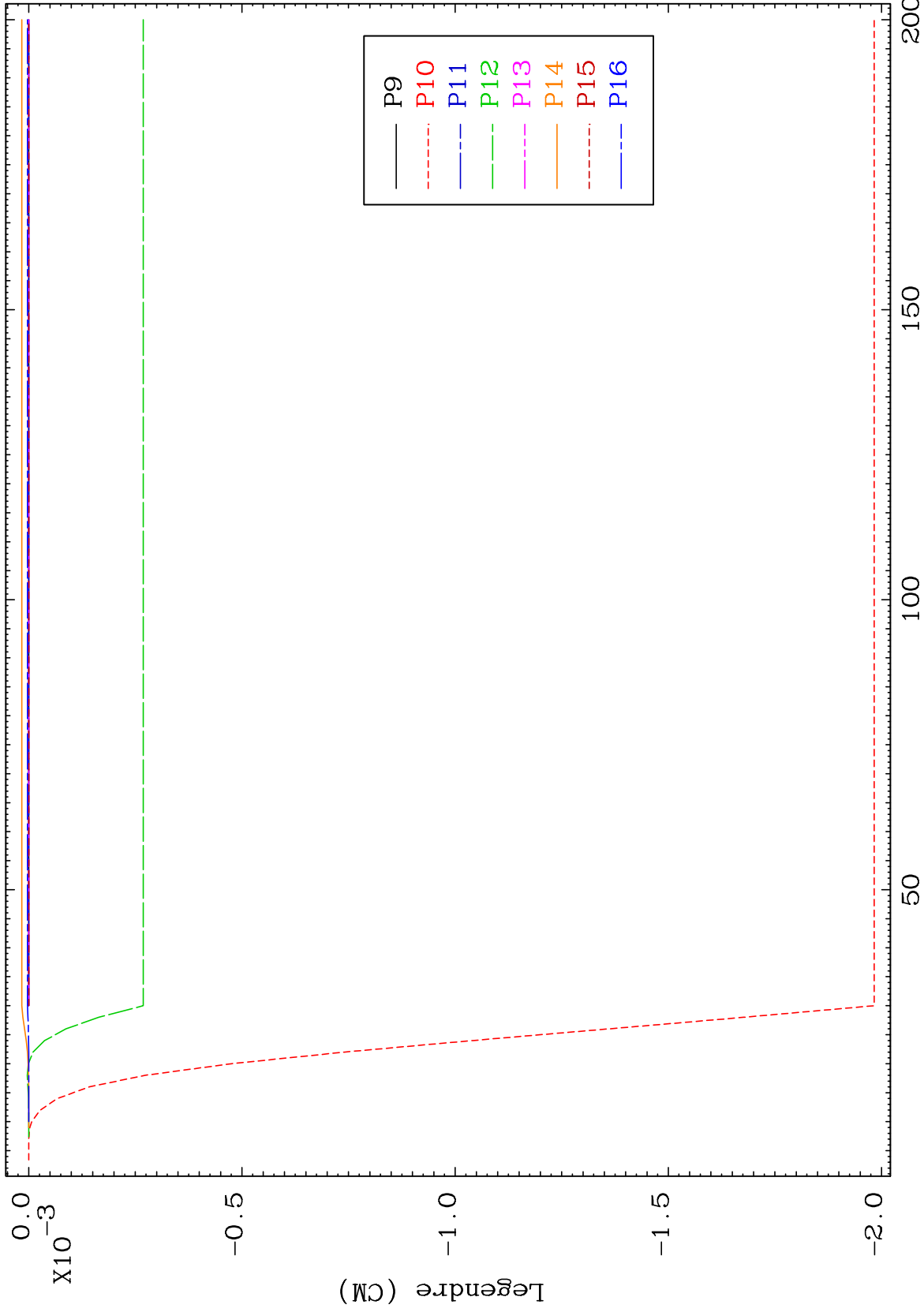




MAT 2840

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

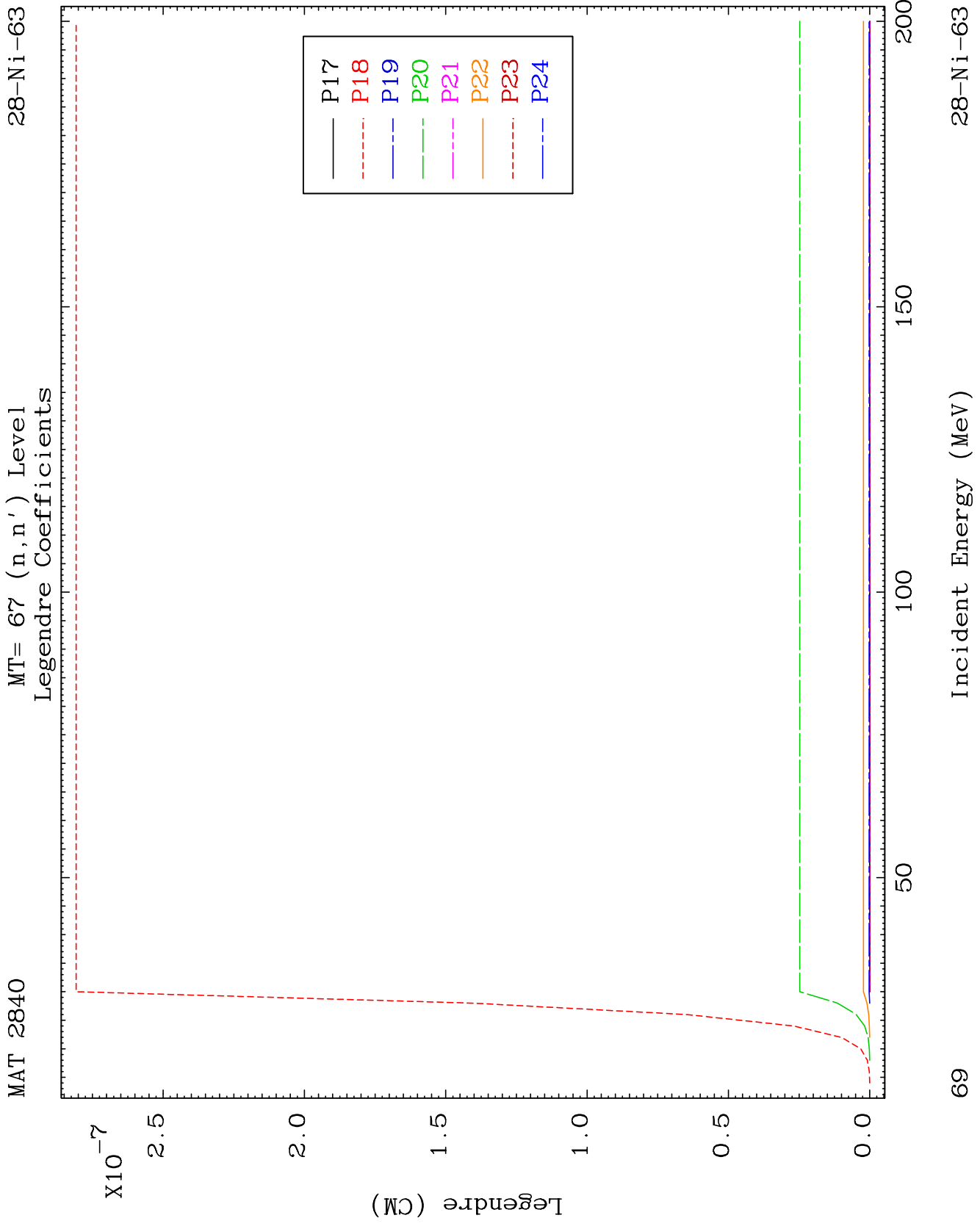
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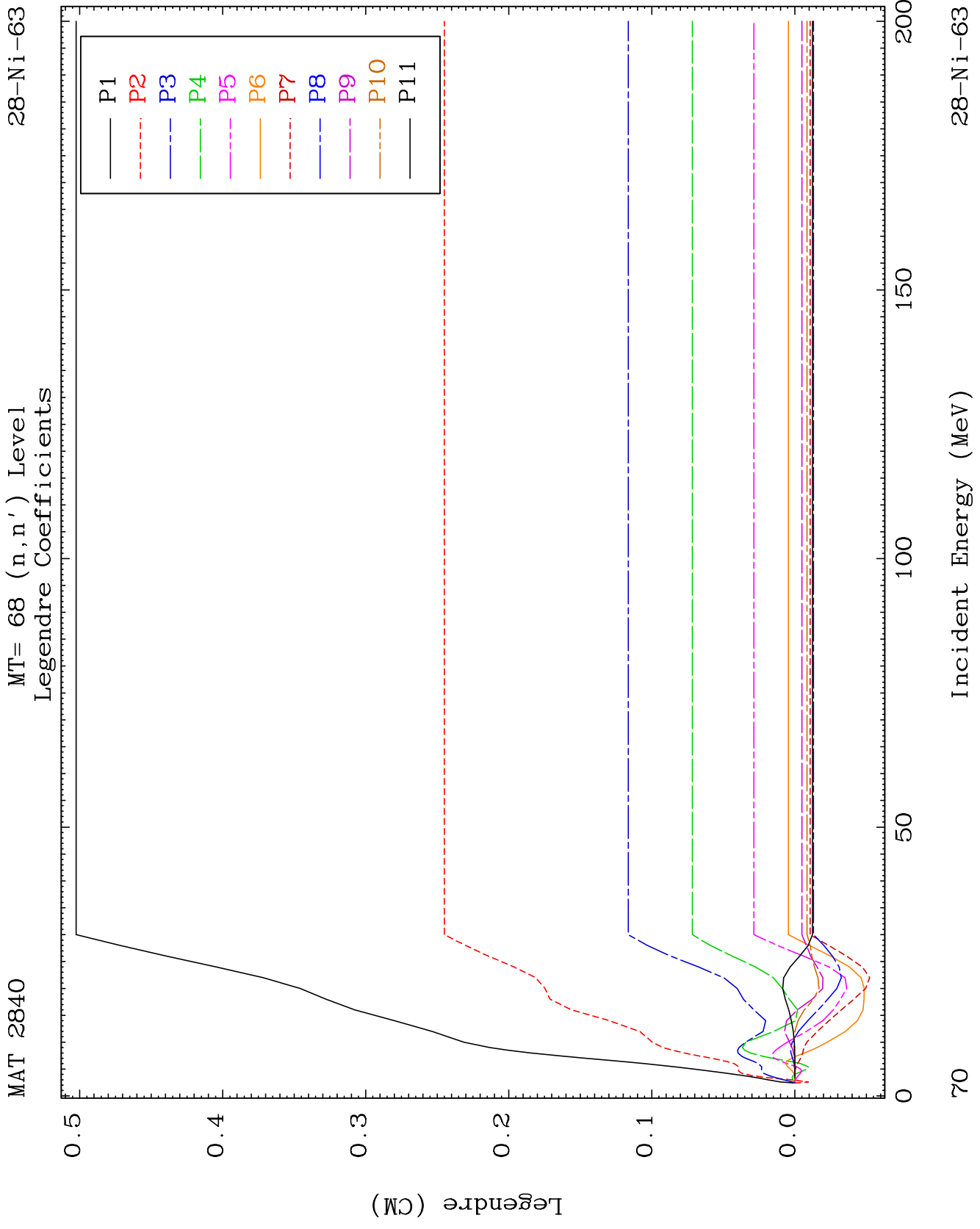


68

Incident Energy (MeV)

28-Ni-63

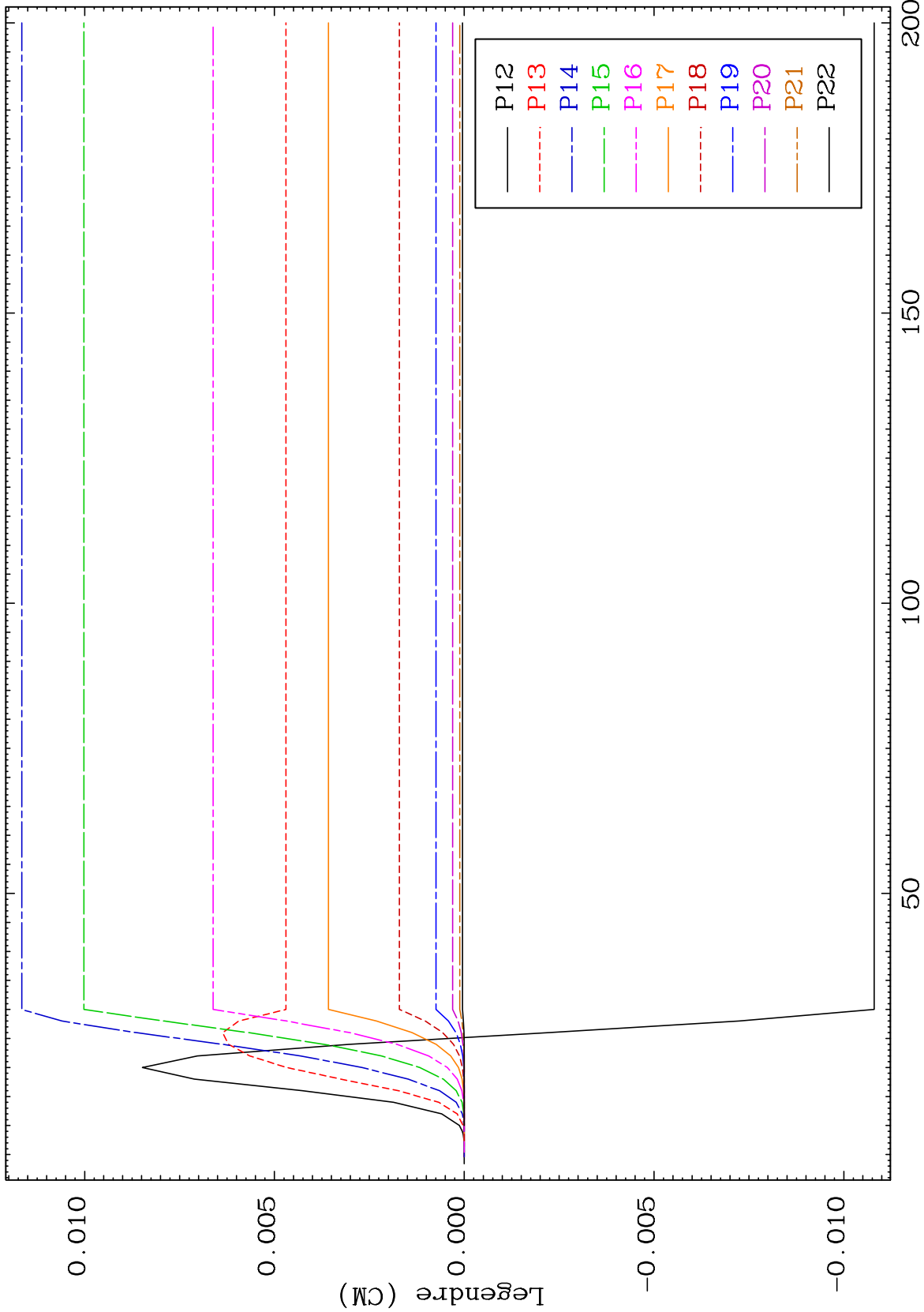




MAT 2840

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

28-Ni-63



71

Incident Energy (MeV)

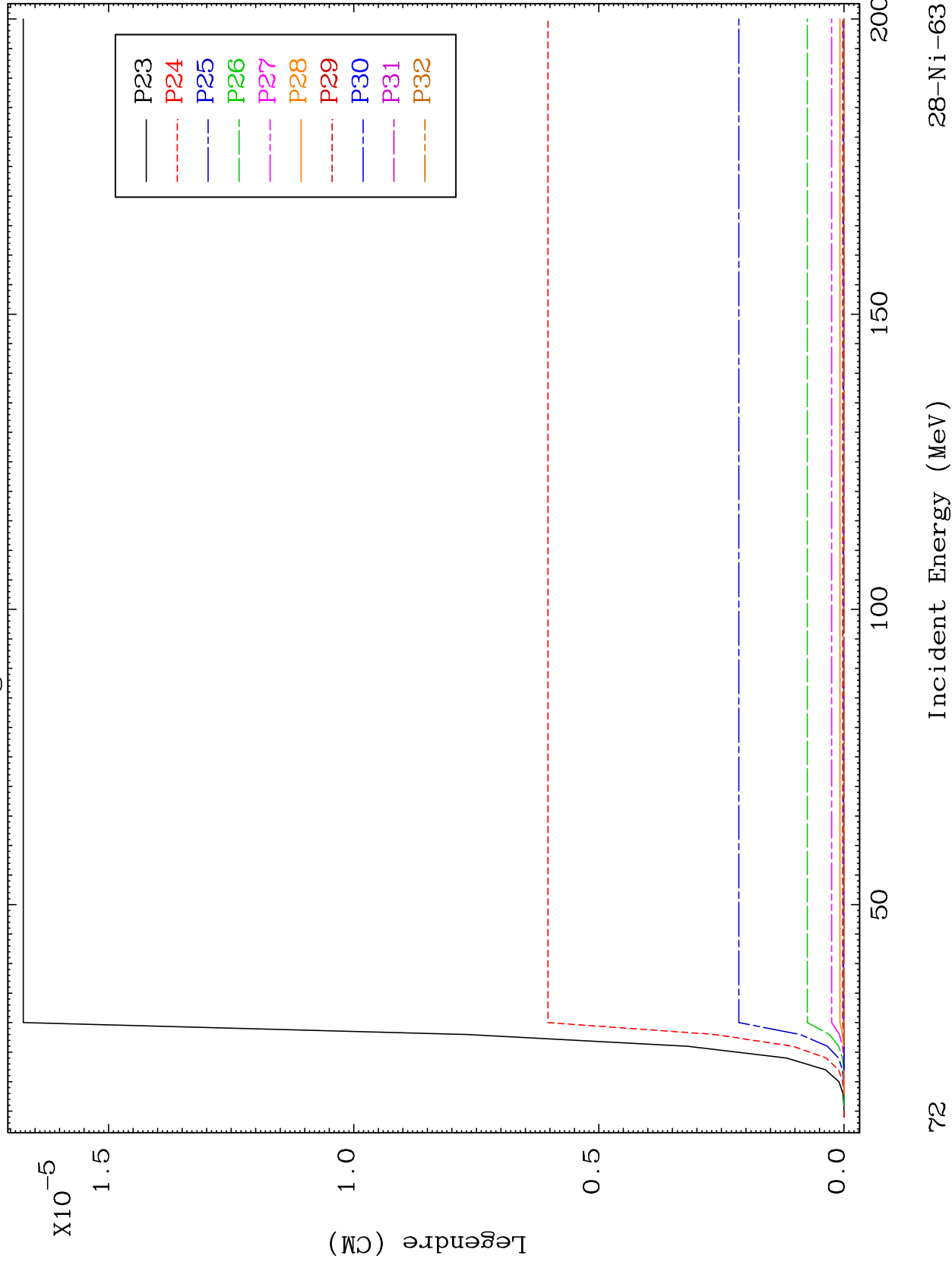
28-Ni-63



MAT 2840

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

28-Ni-63

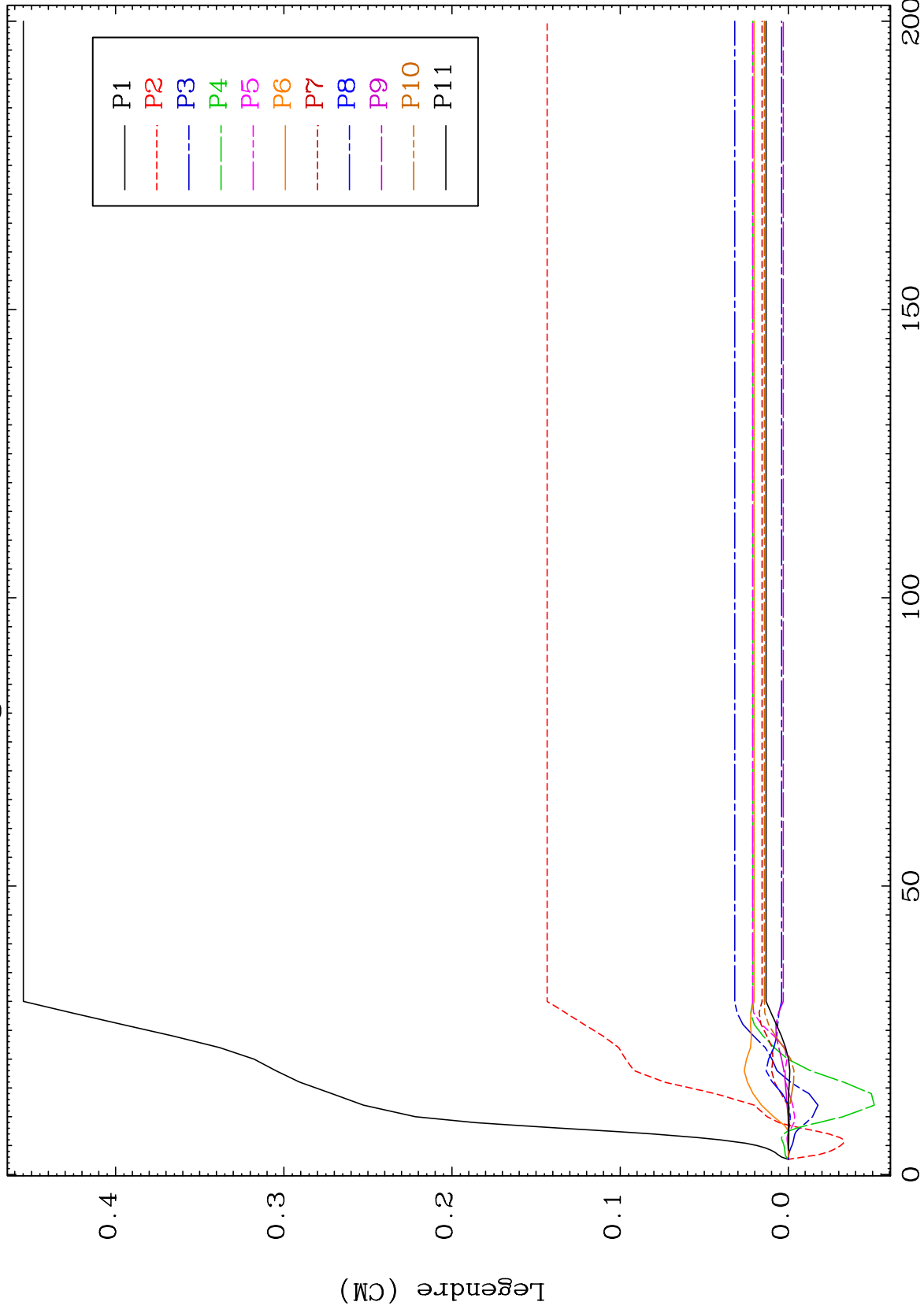


72

MAT 2840

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

28-Ni-63



73

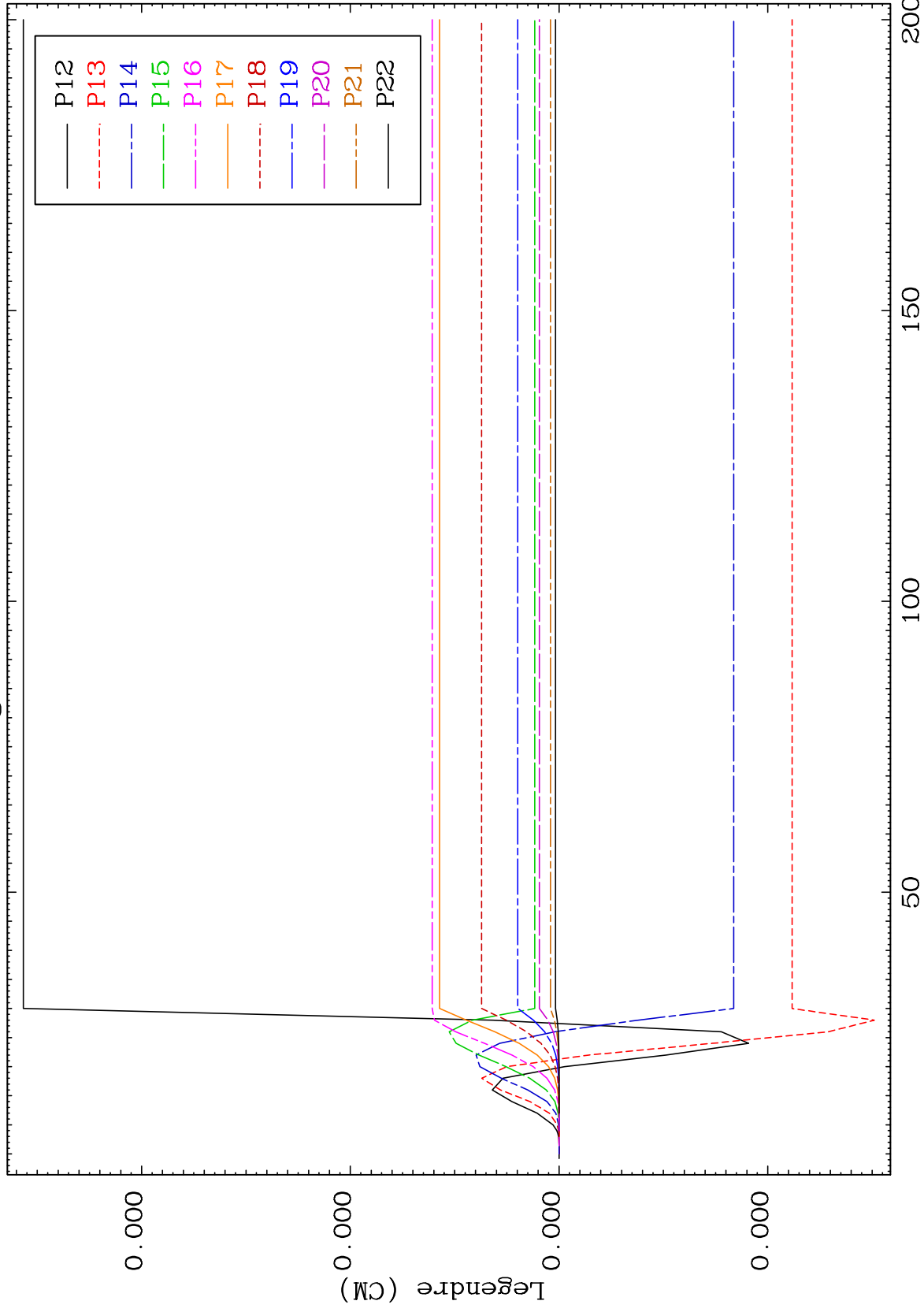
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

28-Ni-63



74

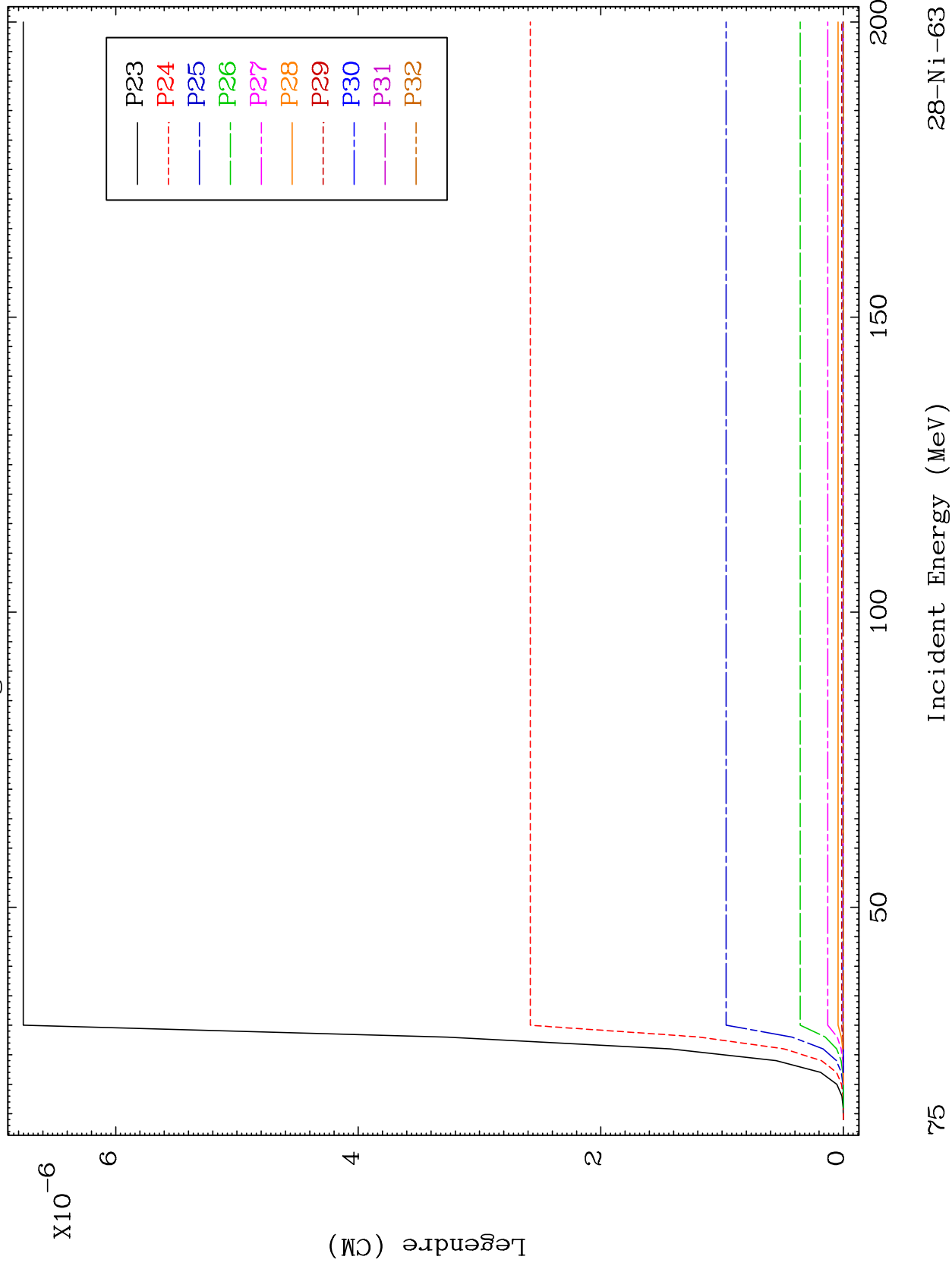
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

28-Ni-63



75

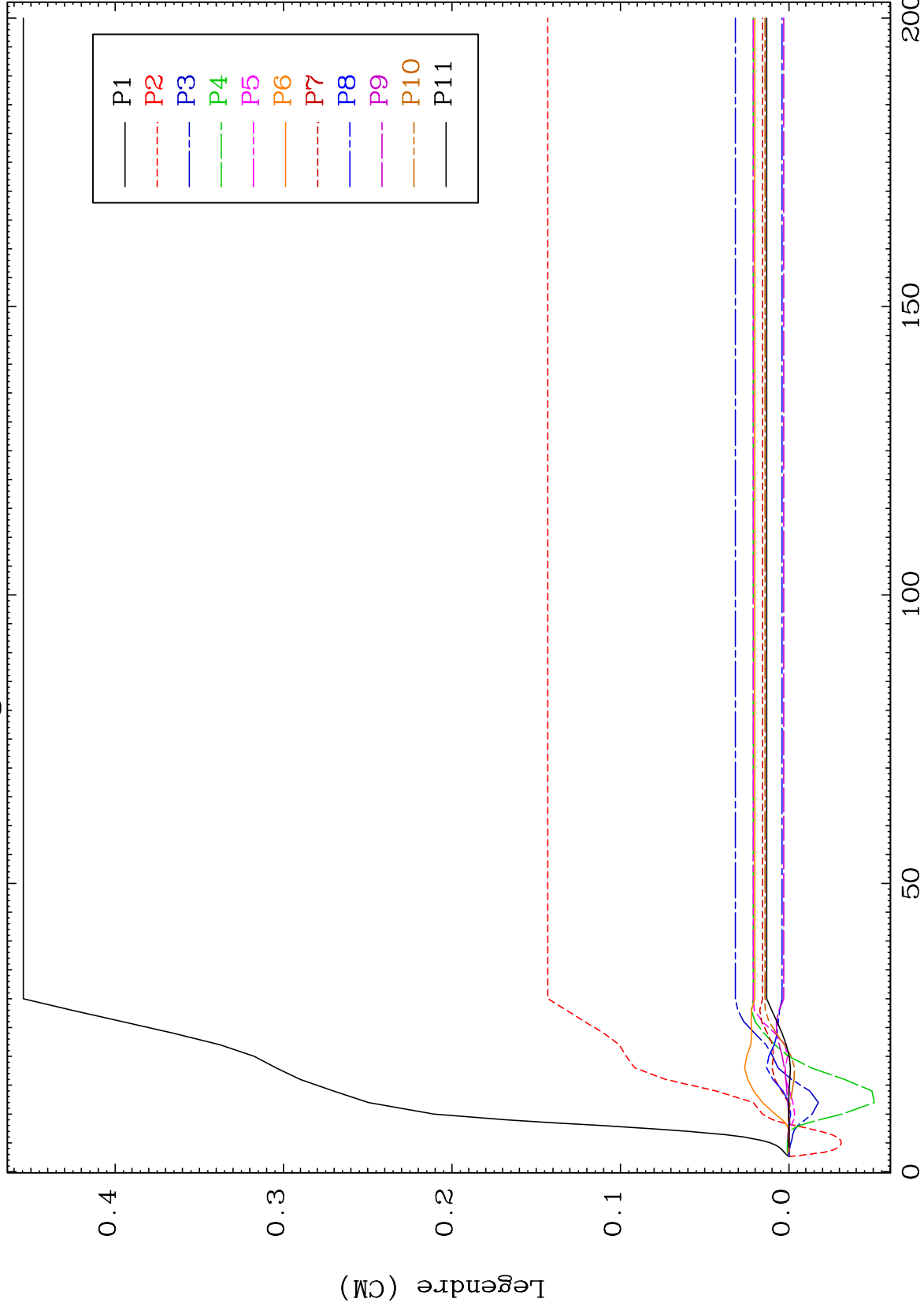
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

28-Ni-63



76

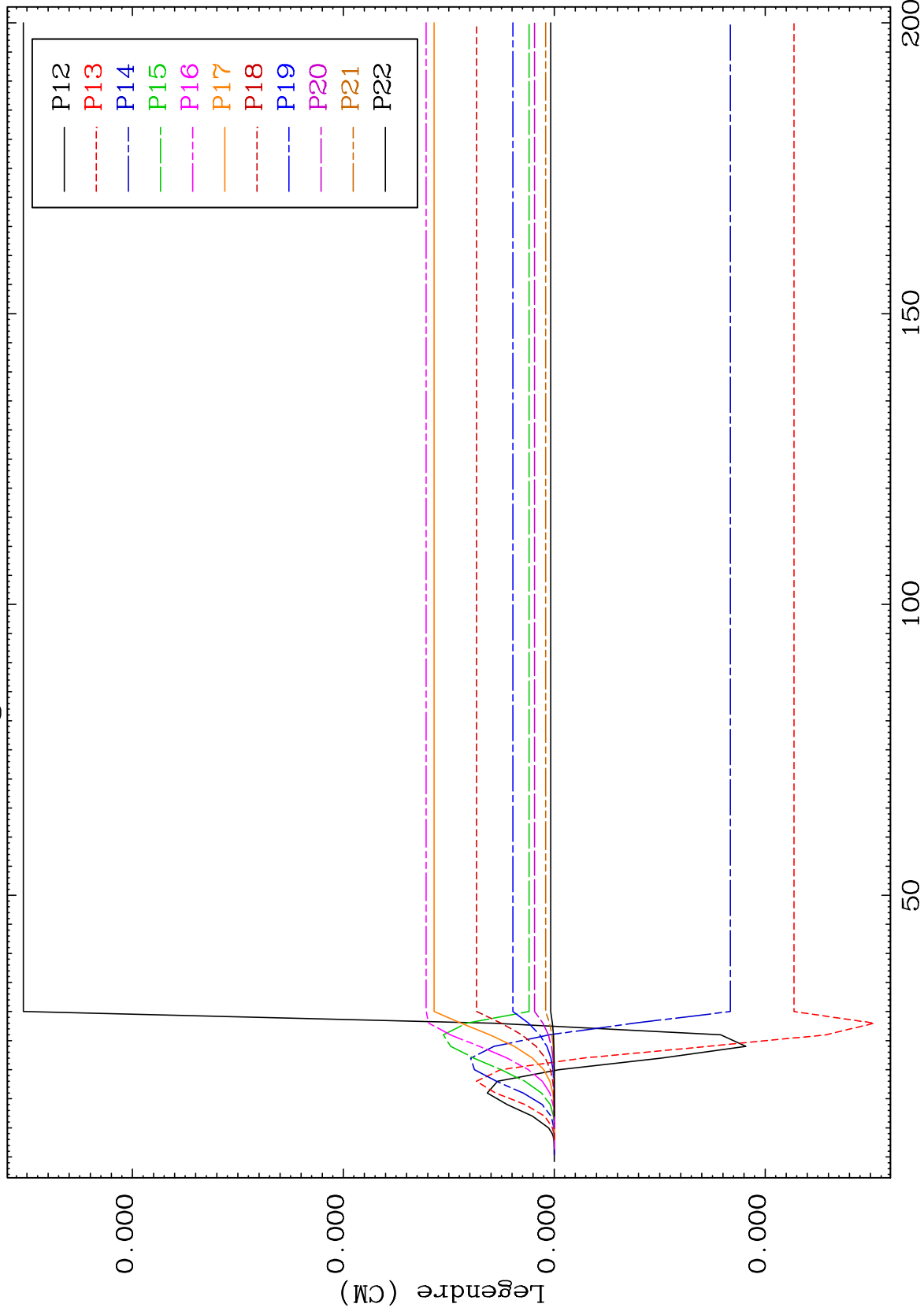
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

28-Ni-63



77

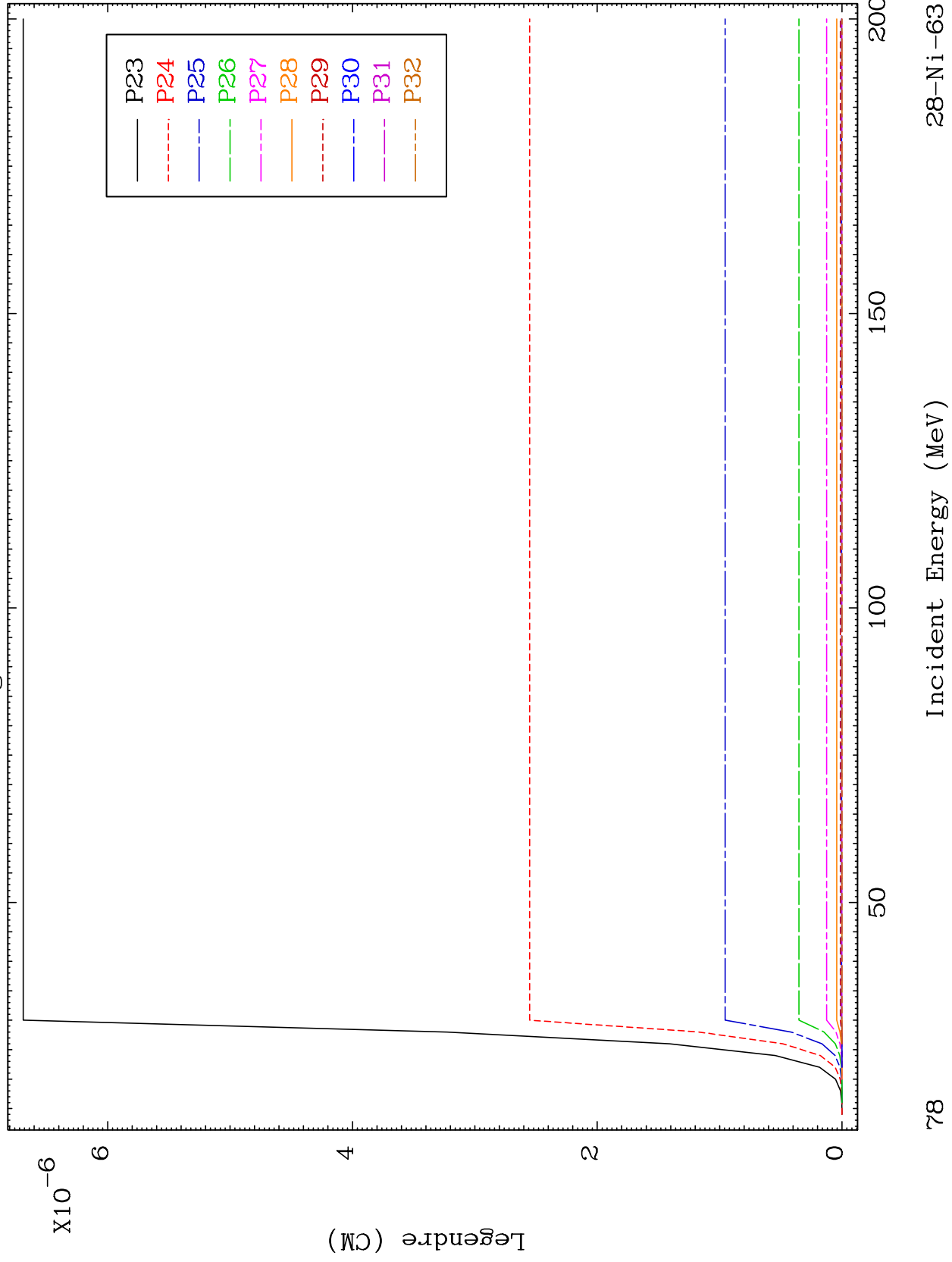
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

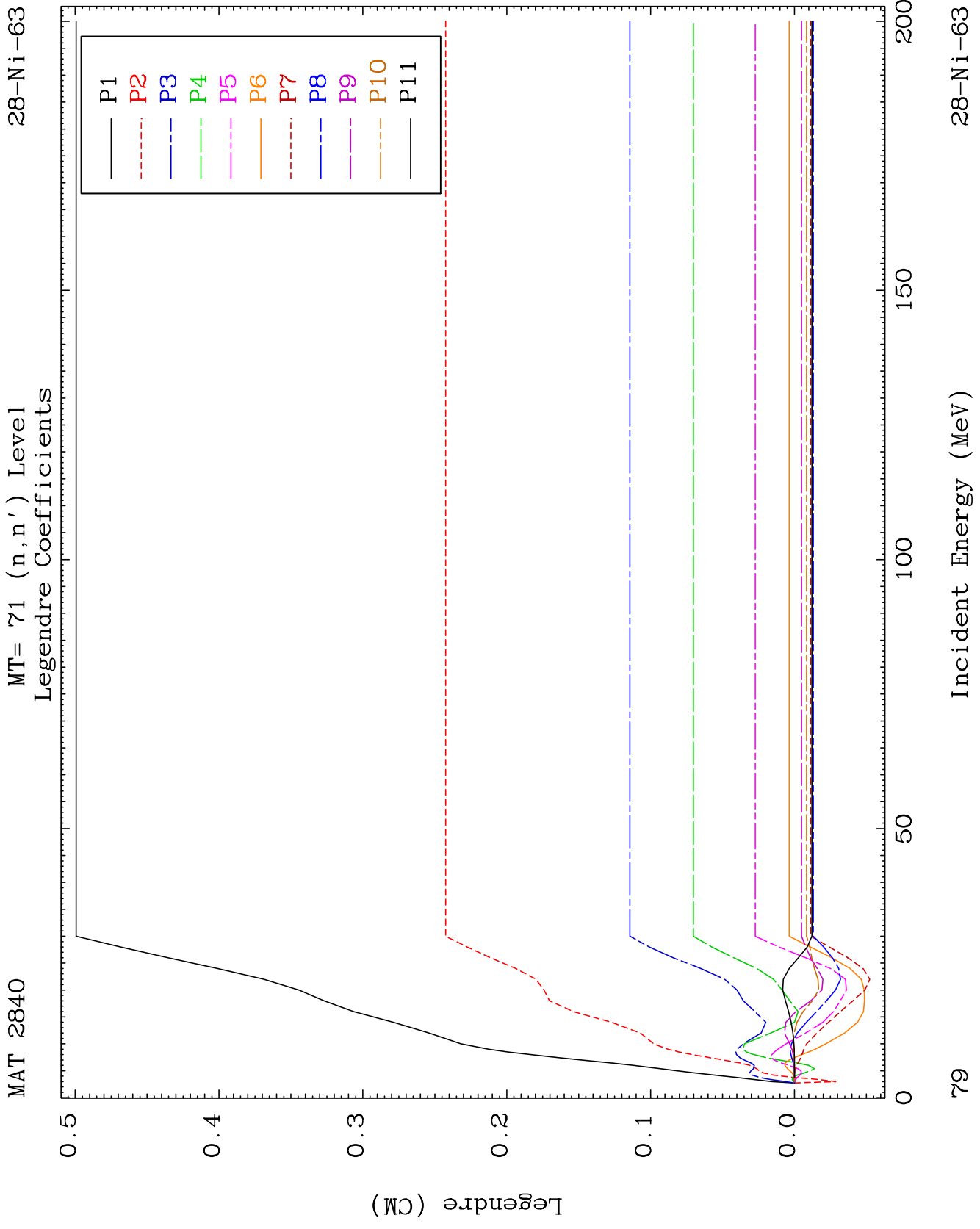
28-Ni-63



78

Incident Energy (MeV)

28-Ni-63

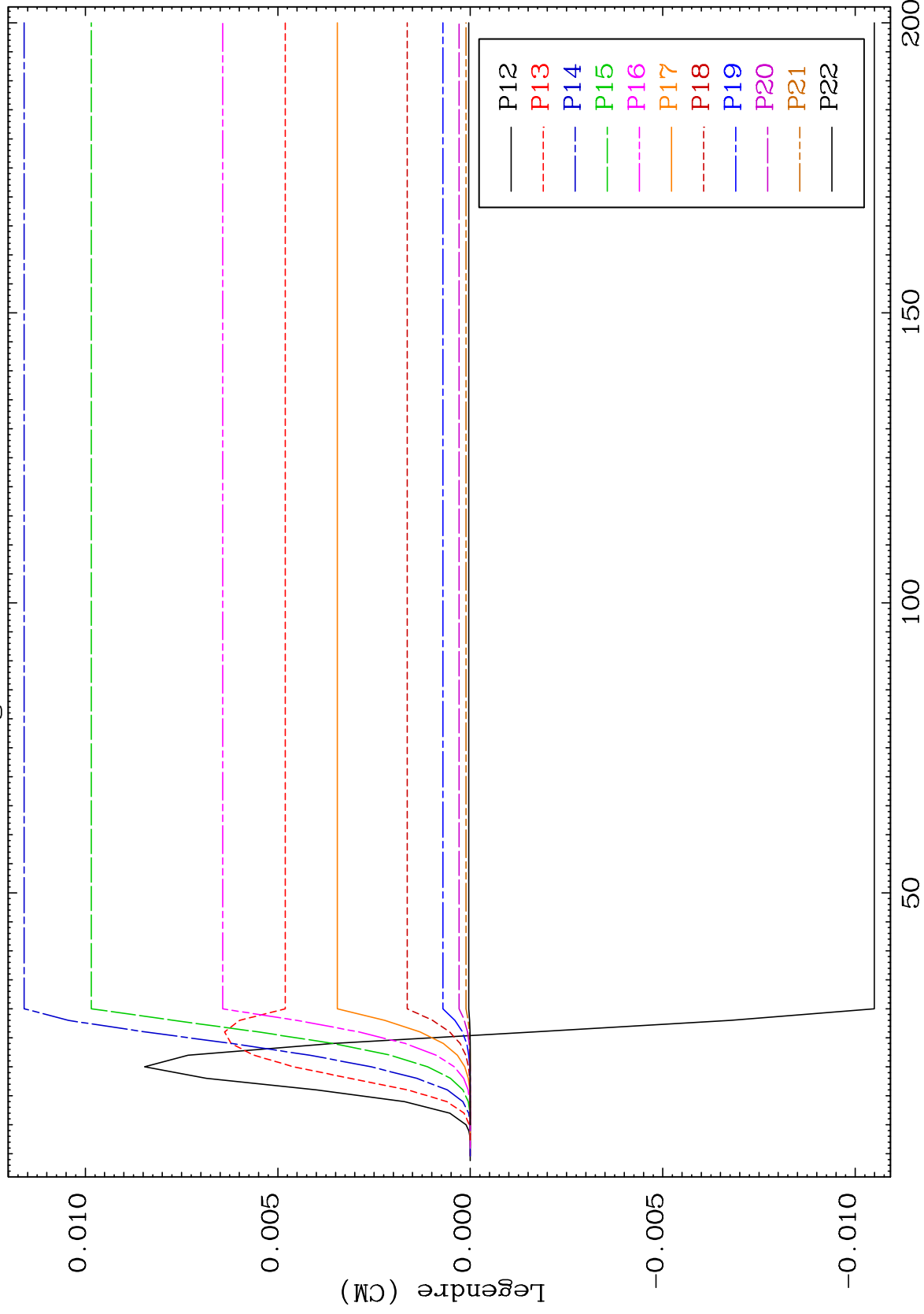




MAT 2840

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

28-Ni-63



80

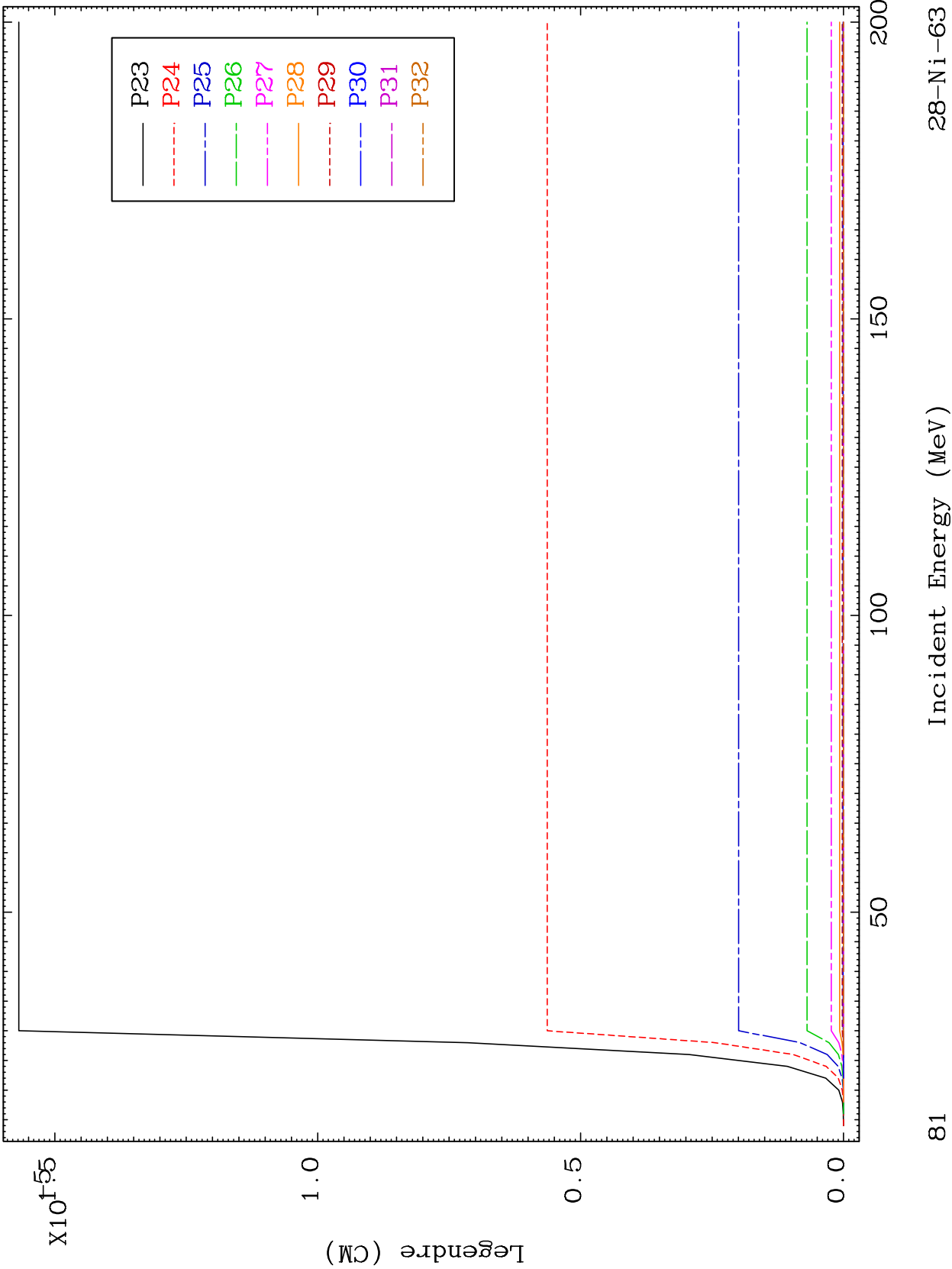
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

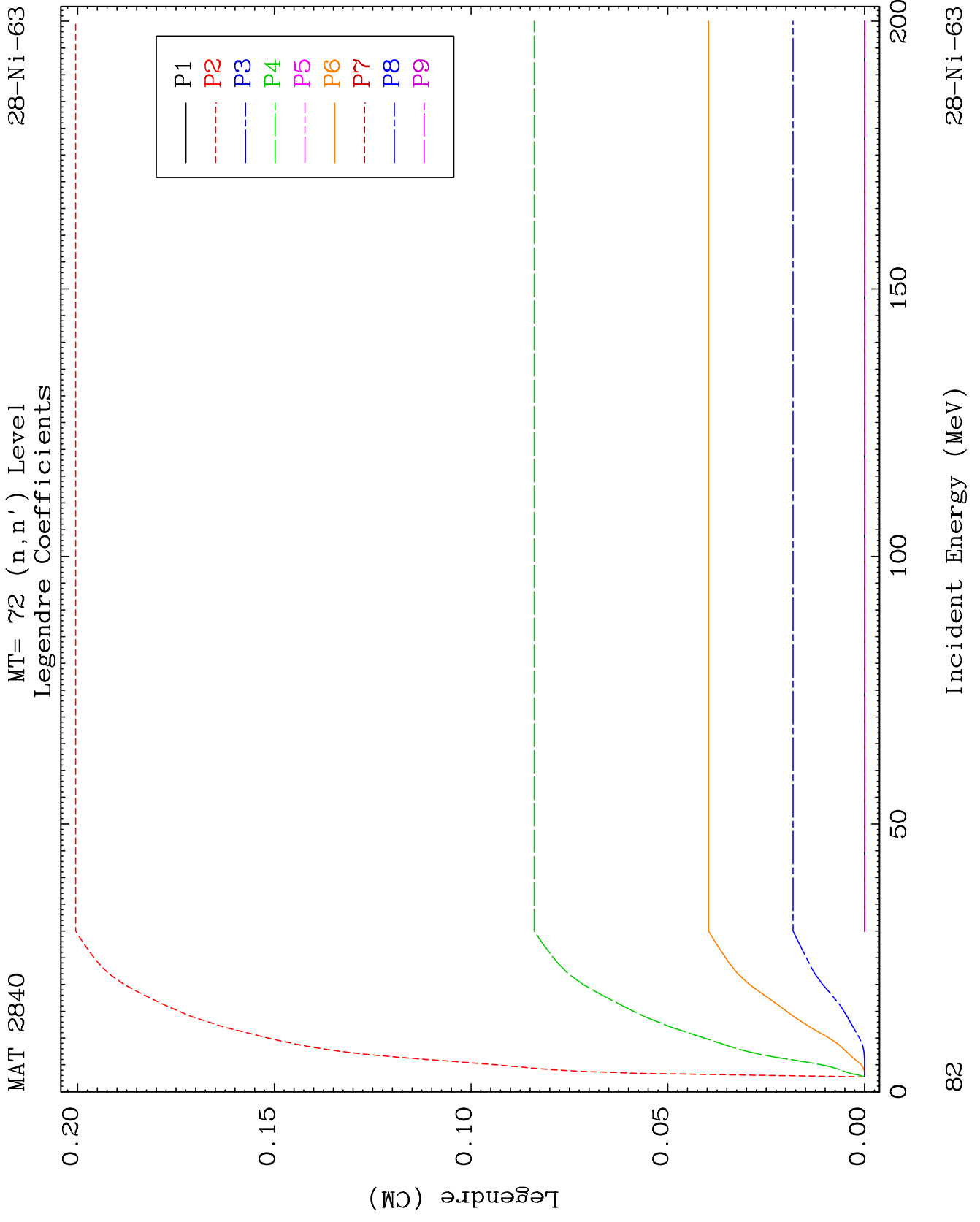
28-Ni-63



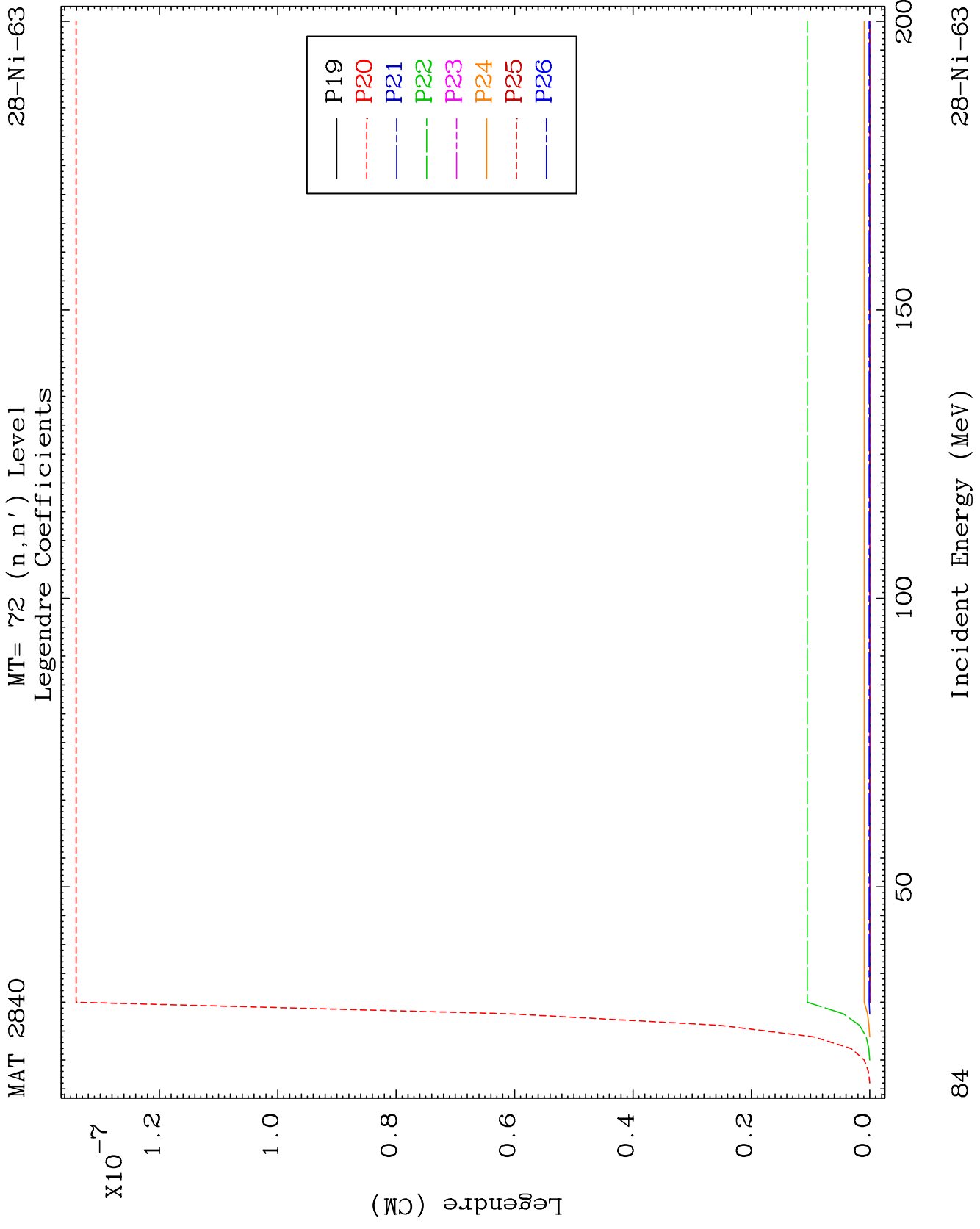
81

Incident Energy (MeV)

28-Ni-63



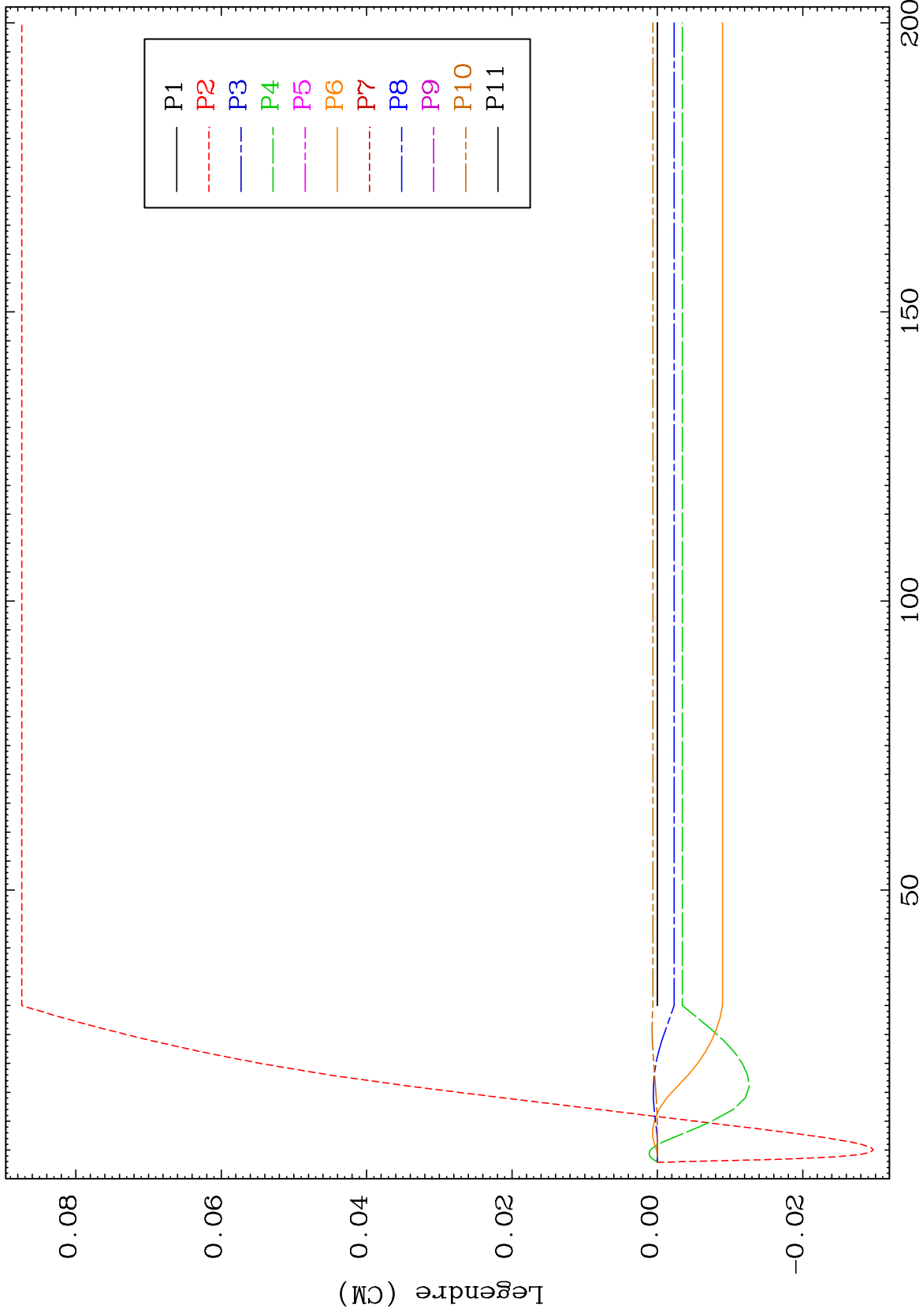




MAT 2840

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

28-Ni-63



85

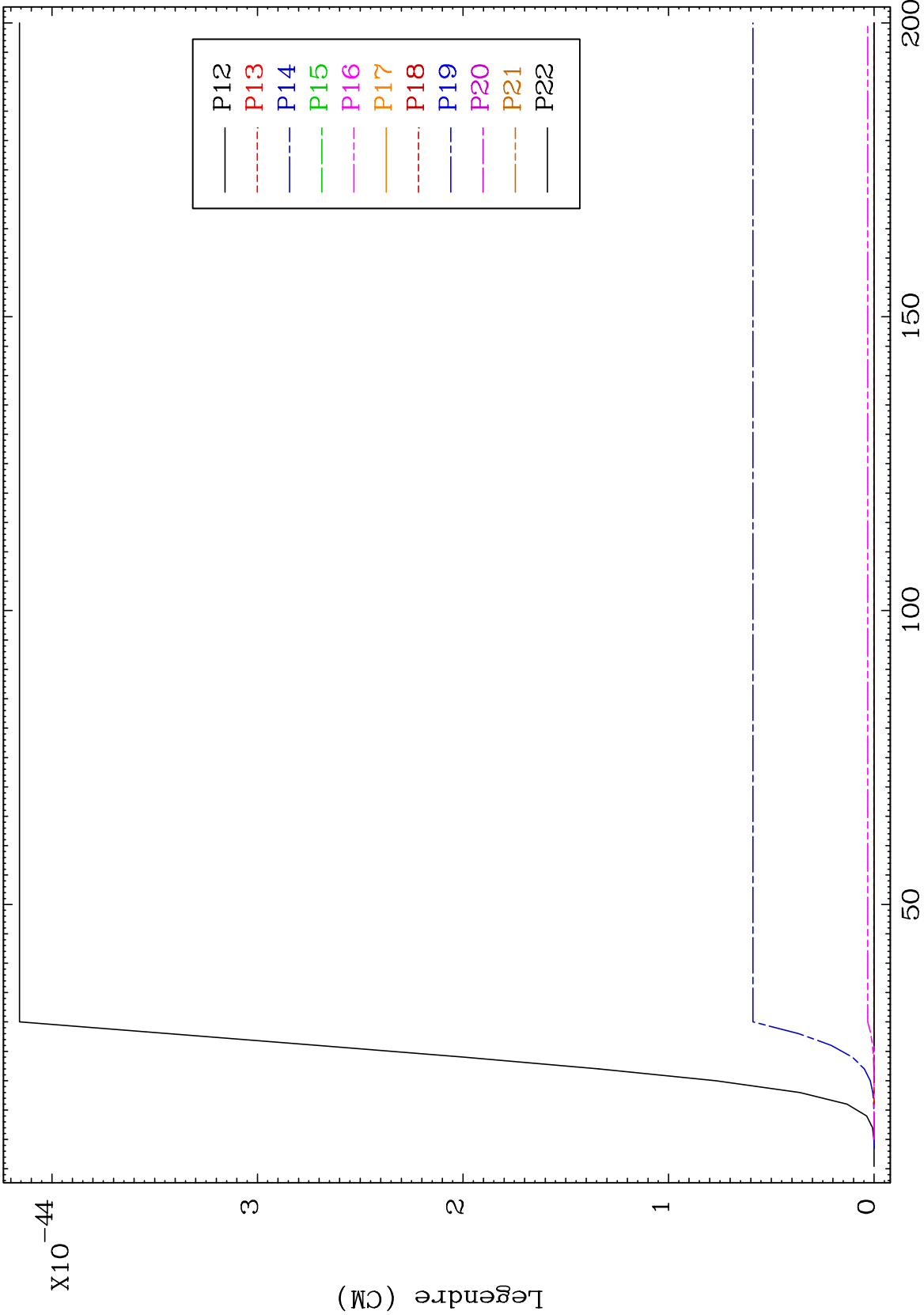
28-Ni-63

200

MAT 2840

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

28-Ni-63



86

Incident Energy (MeV)

28-Ni-63

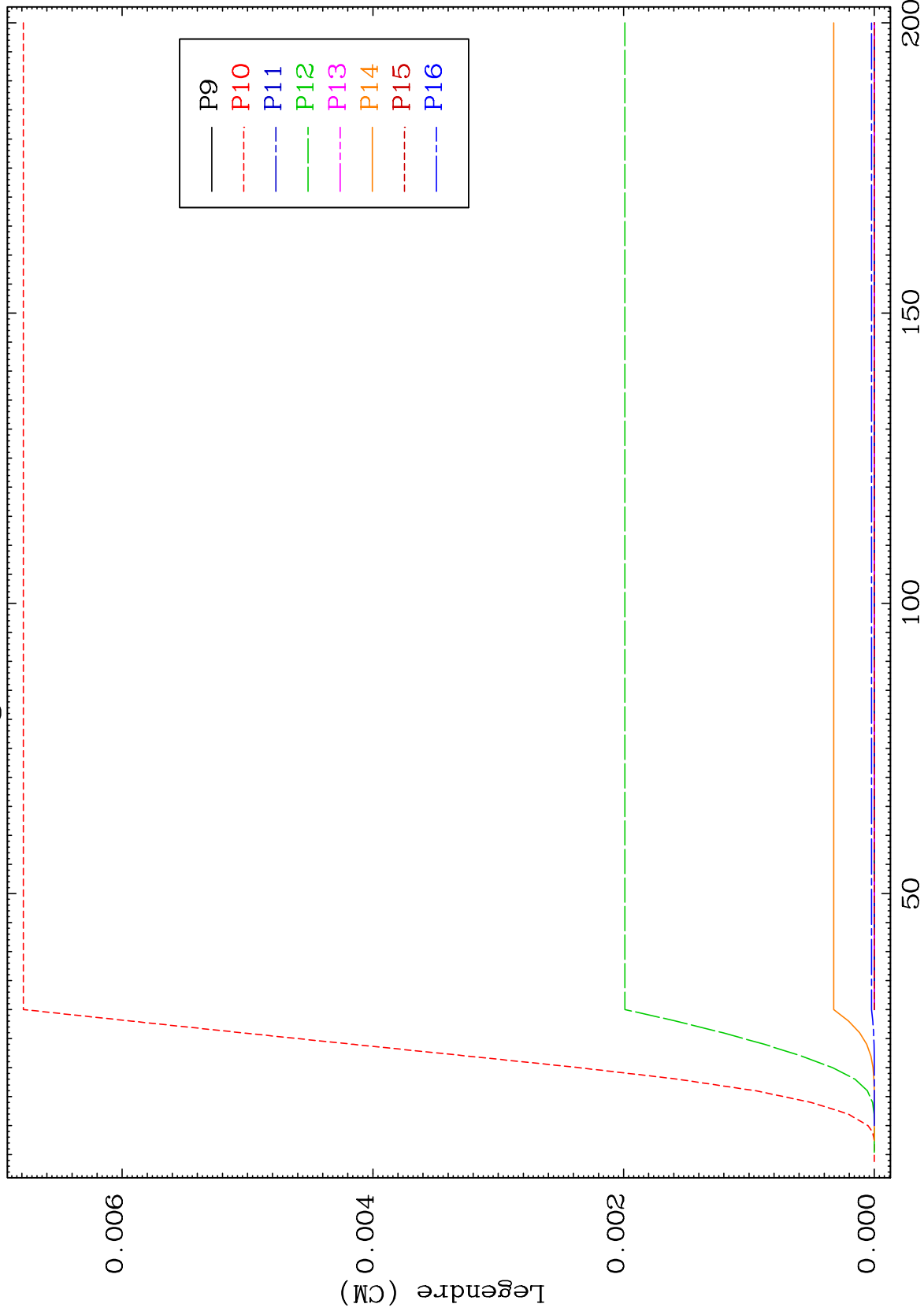




MAT 2840

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

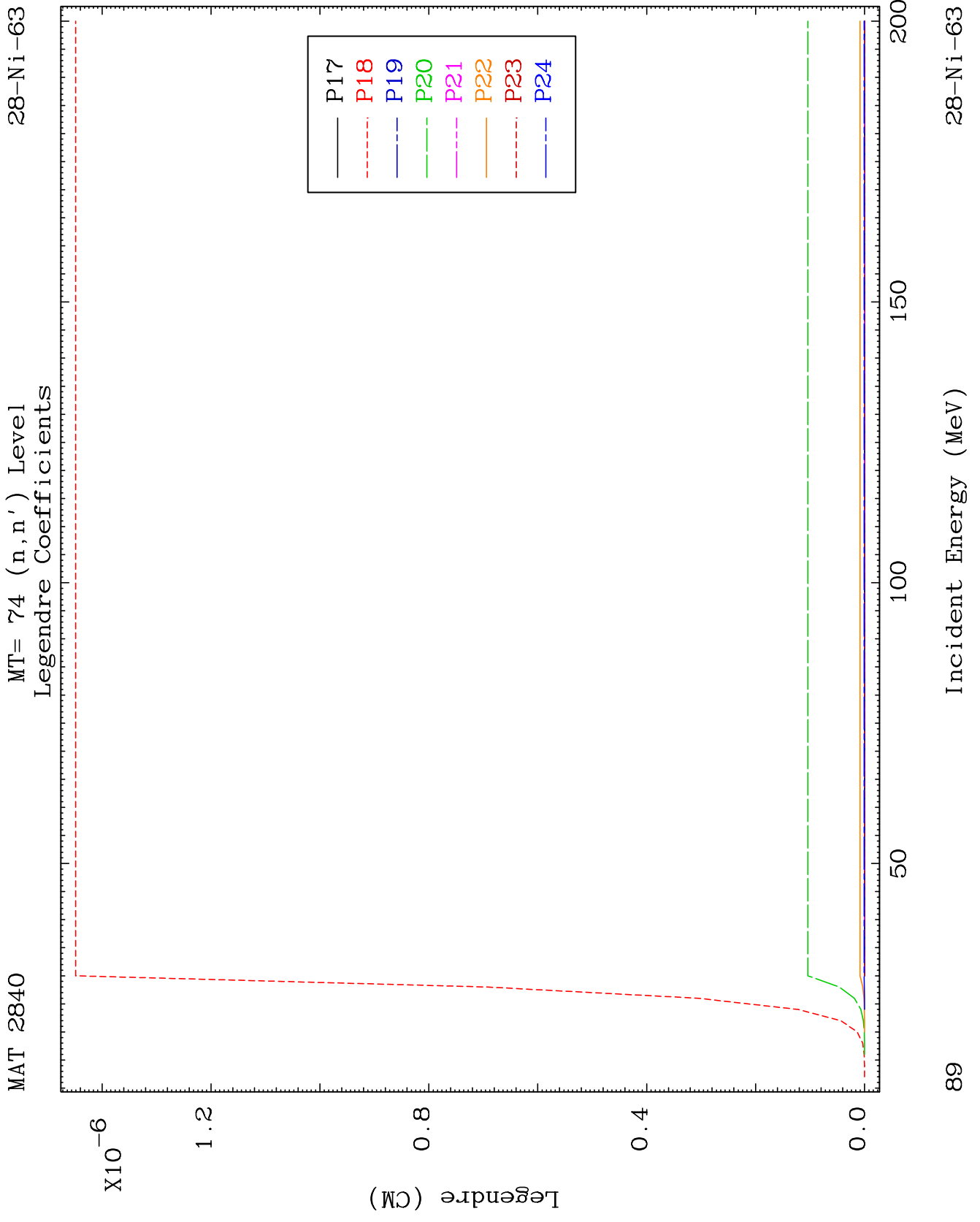
28-Ni-63

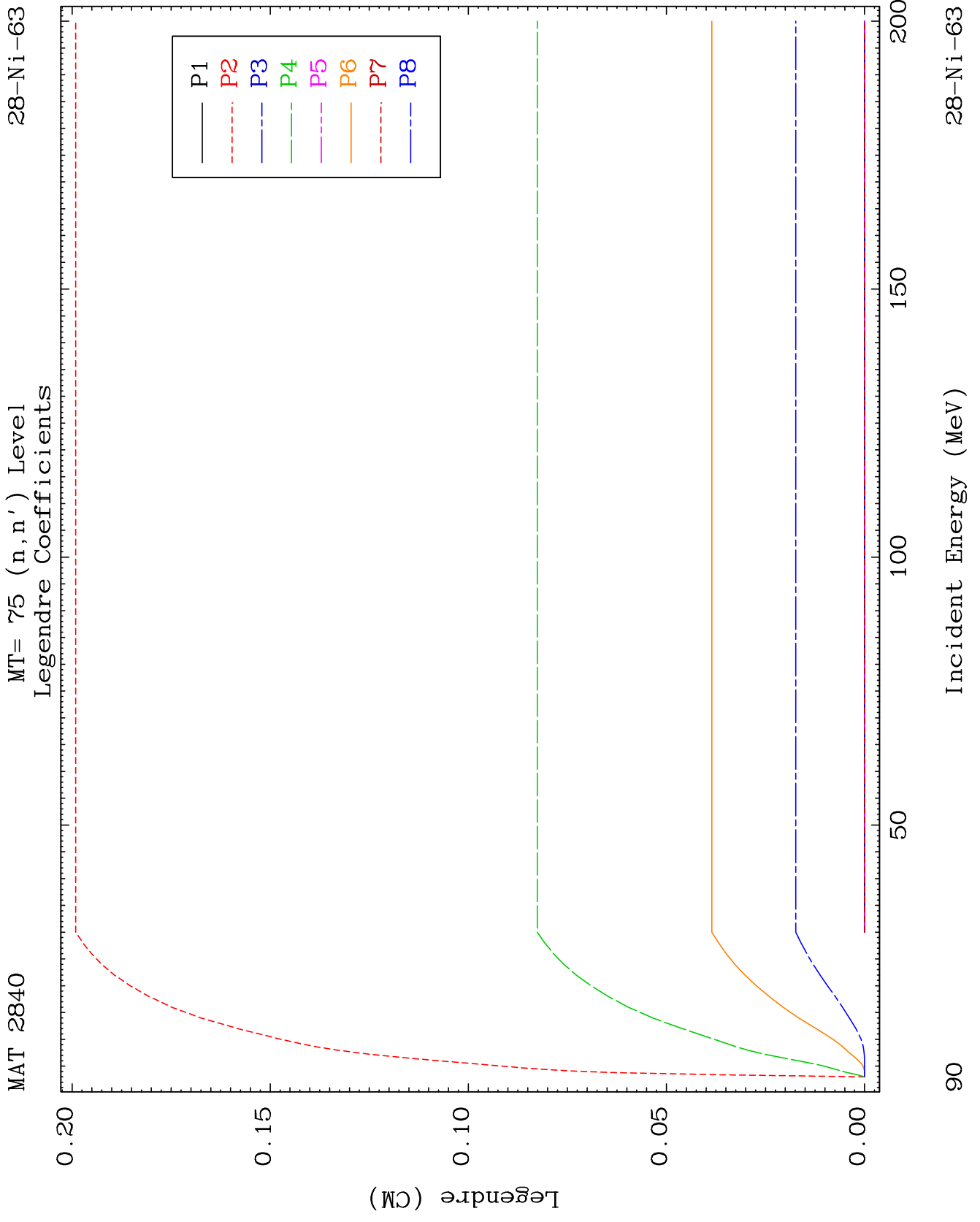


88

Incident Energy (MeV)

28-Ni-63

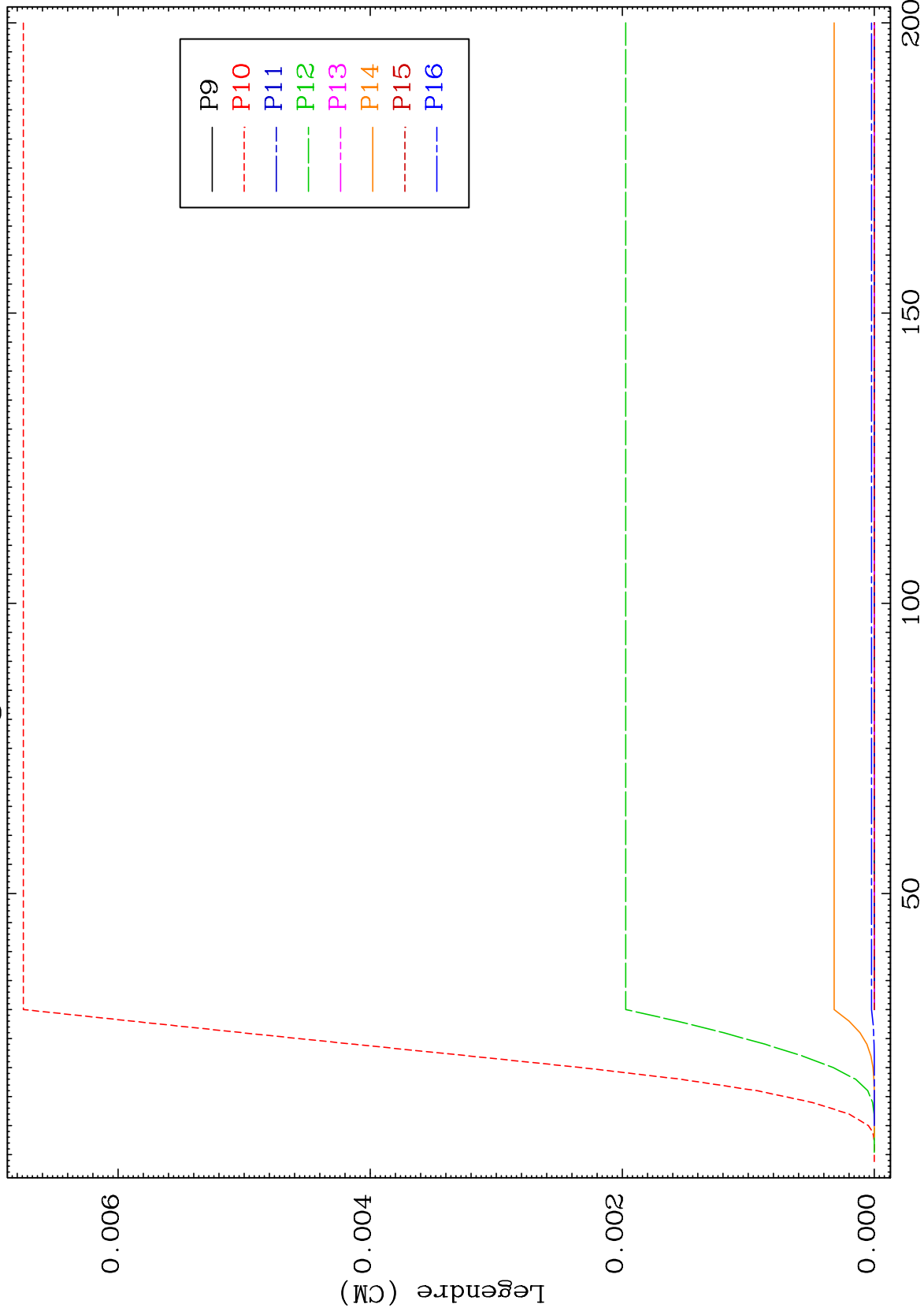




MAT 2840

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

28-Ni-63



91

Incident Energy (MeV)

28-Ni-63

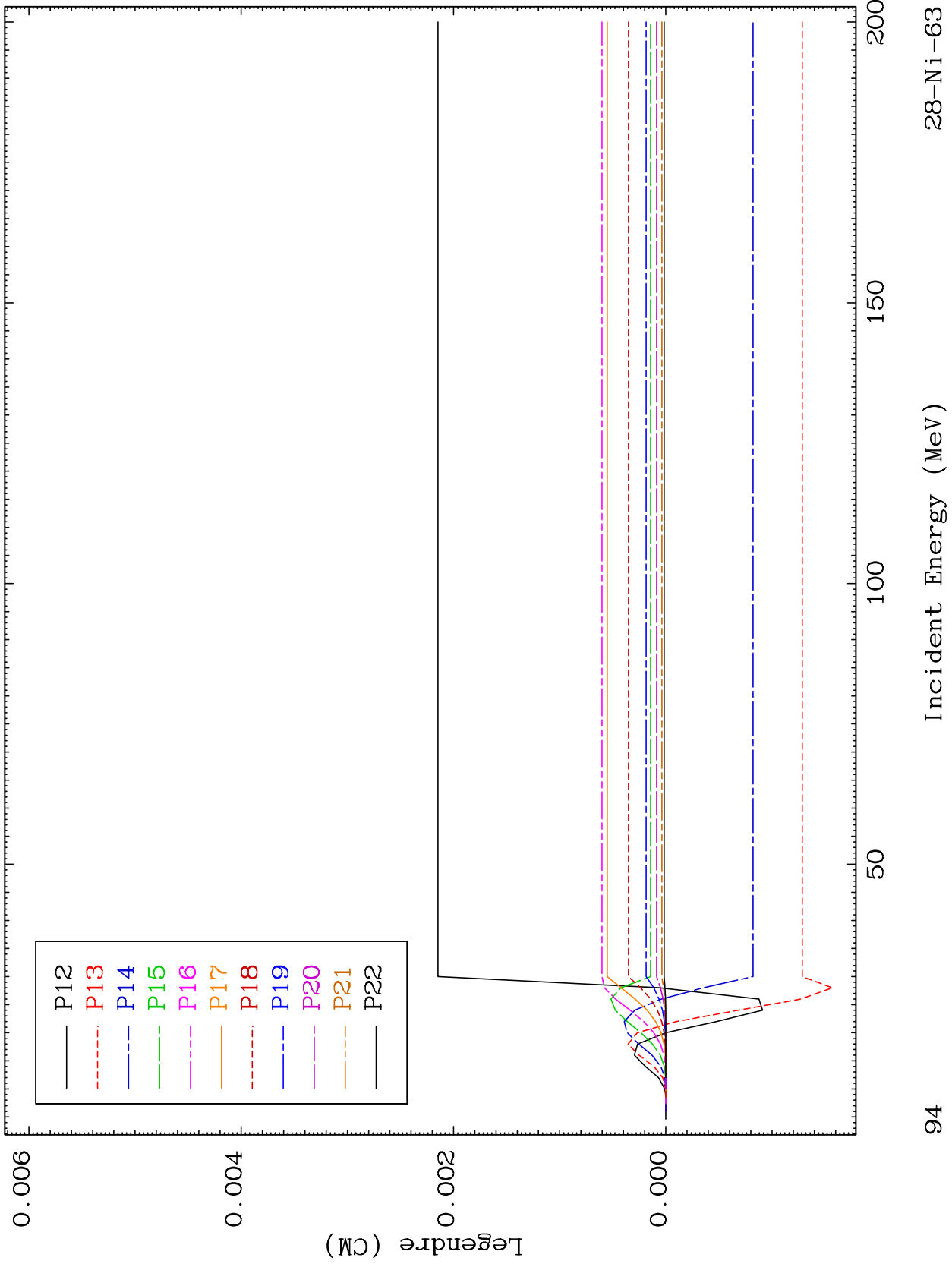




MAT 2840

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

28-Ni-63



94

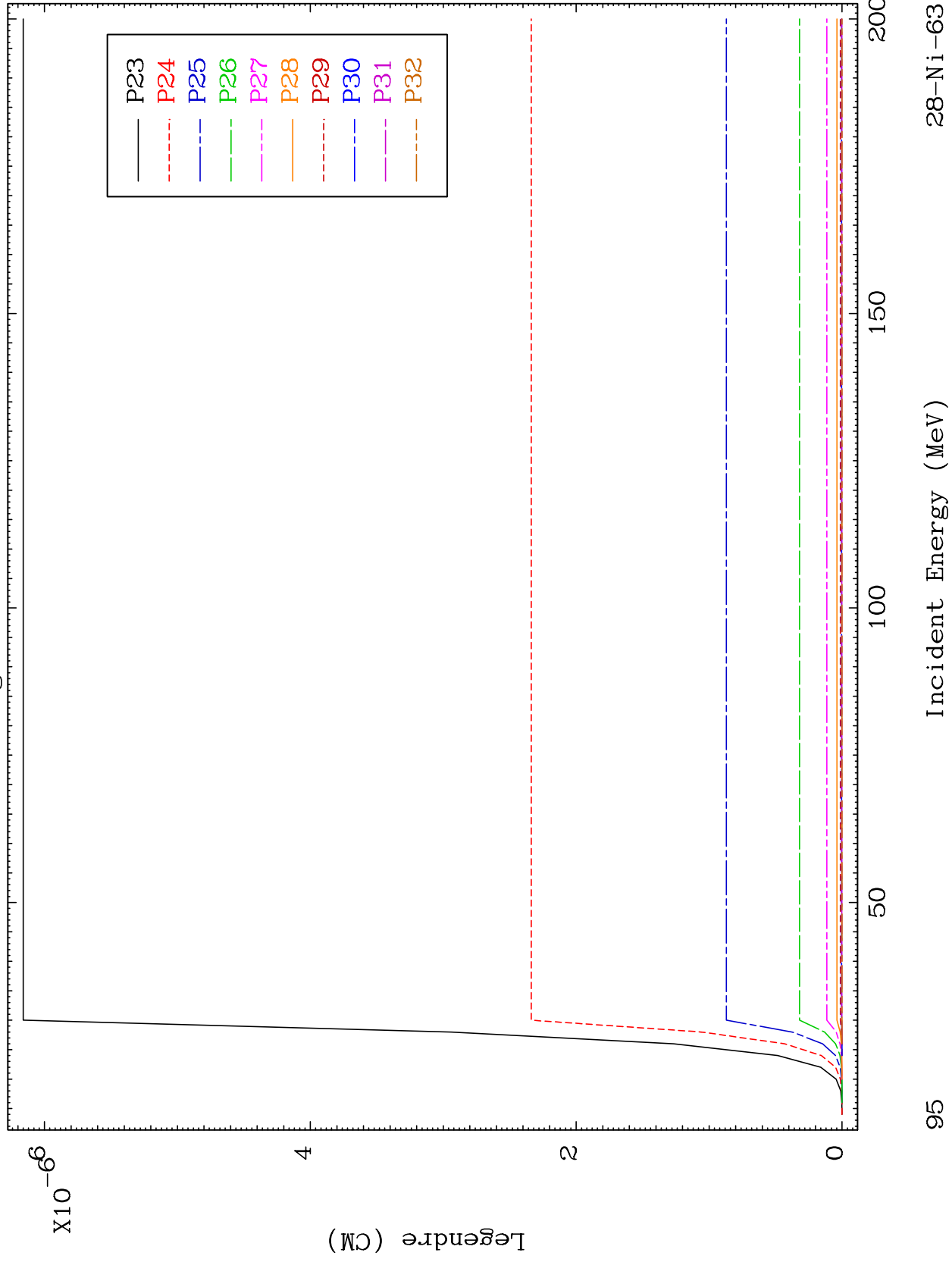
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

28-Ni-63



95

Incident Energy (MeV)

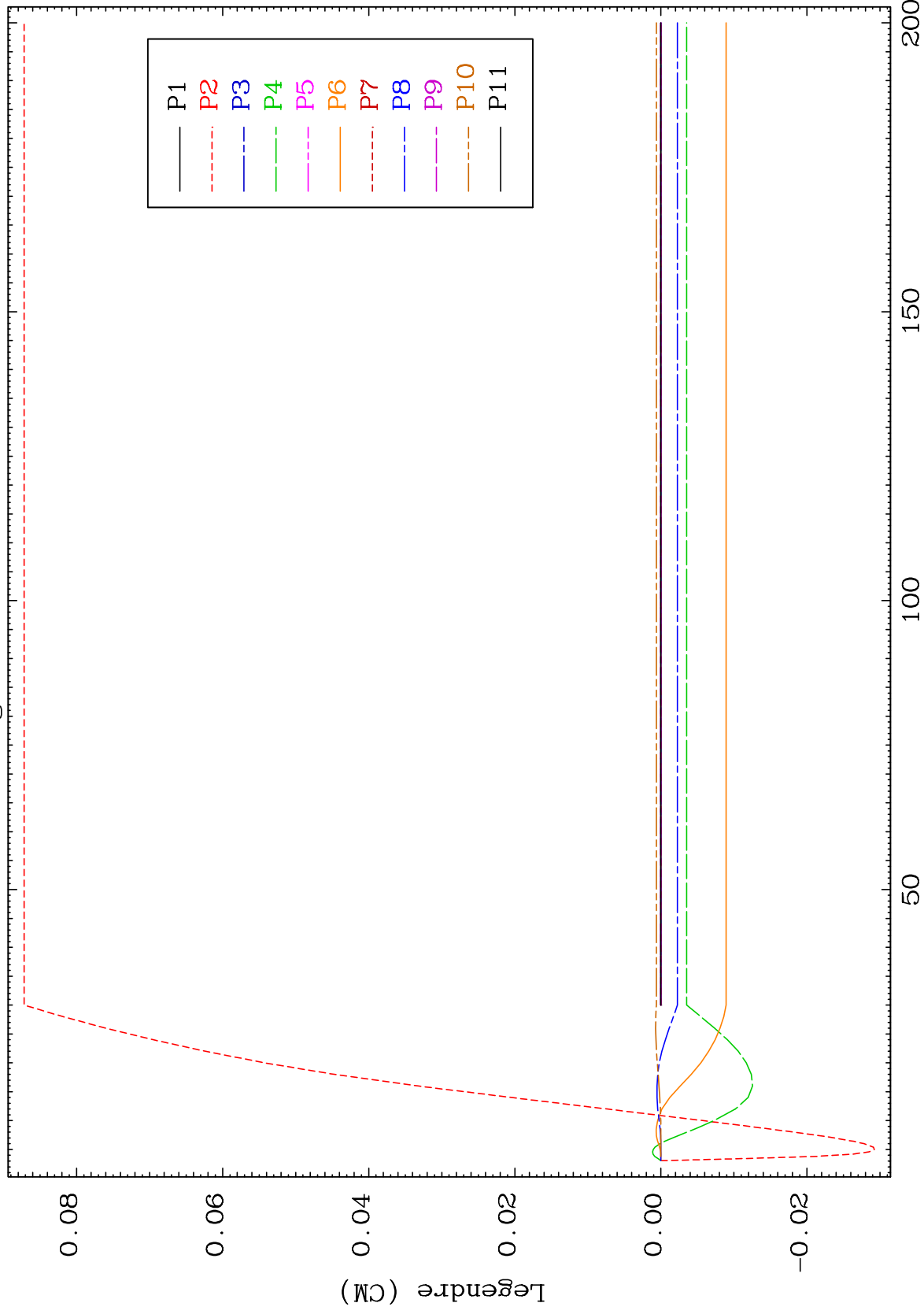
28-Ni-63



MAT 2840

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

28-Ni-63



96

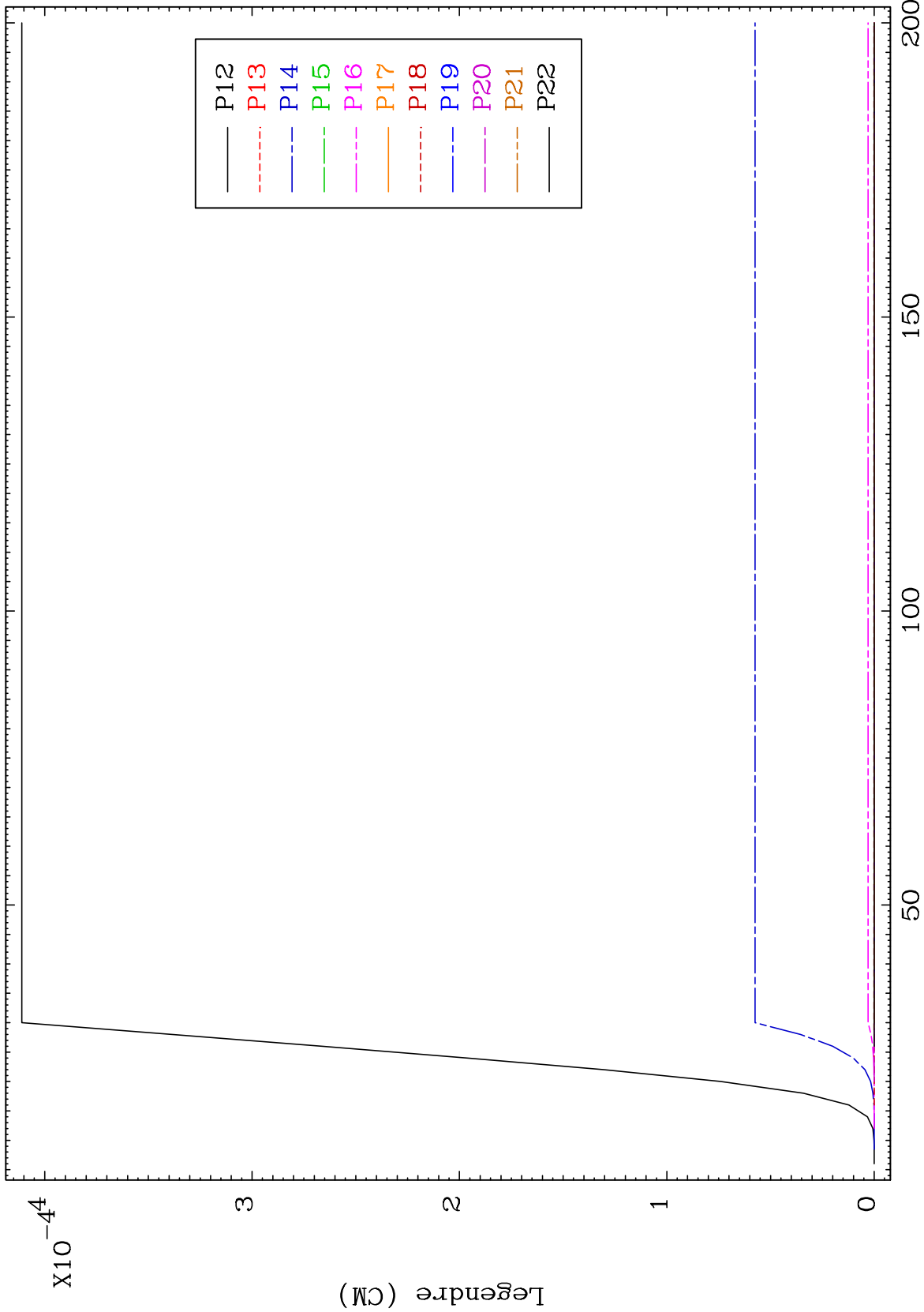
Incident Energy (MeV)

28-Ni-63

MAT 2840

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

28-Ni-63

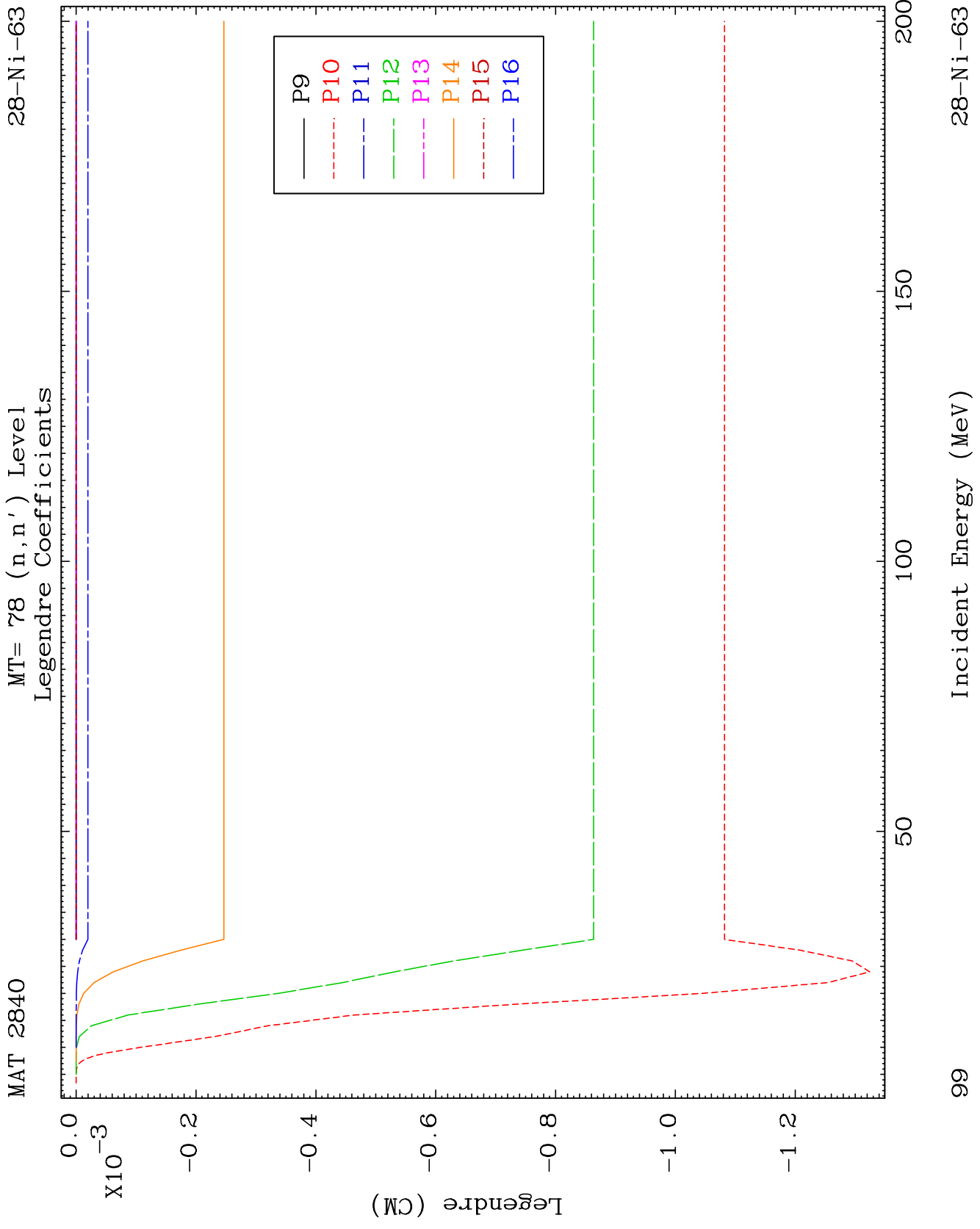


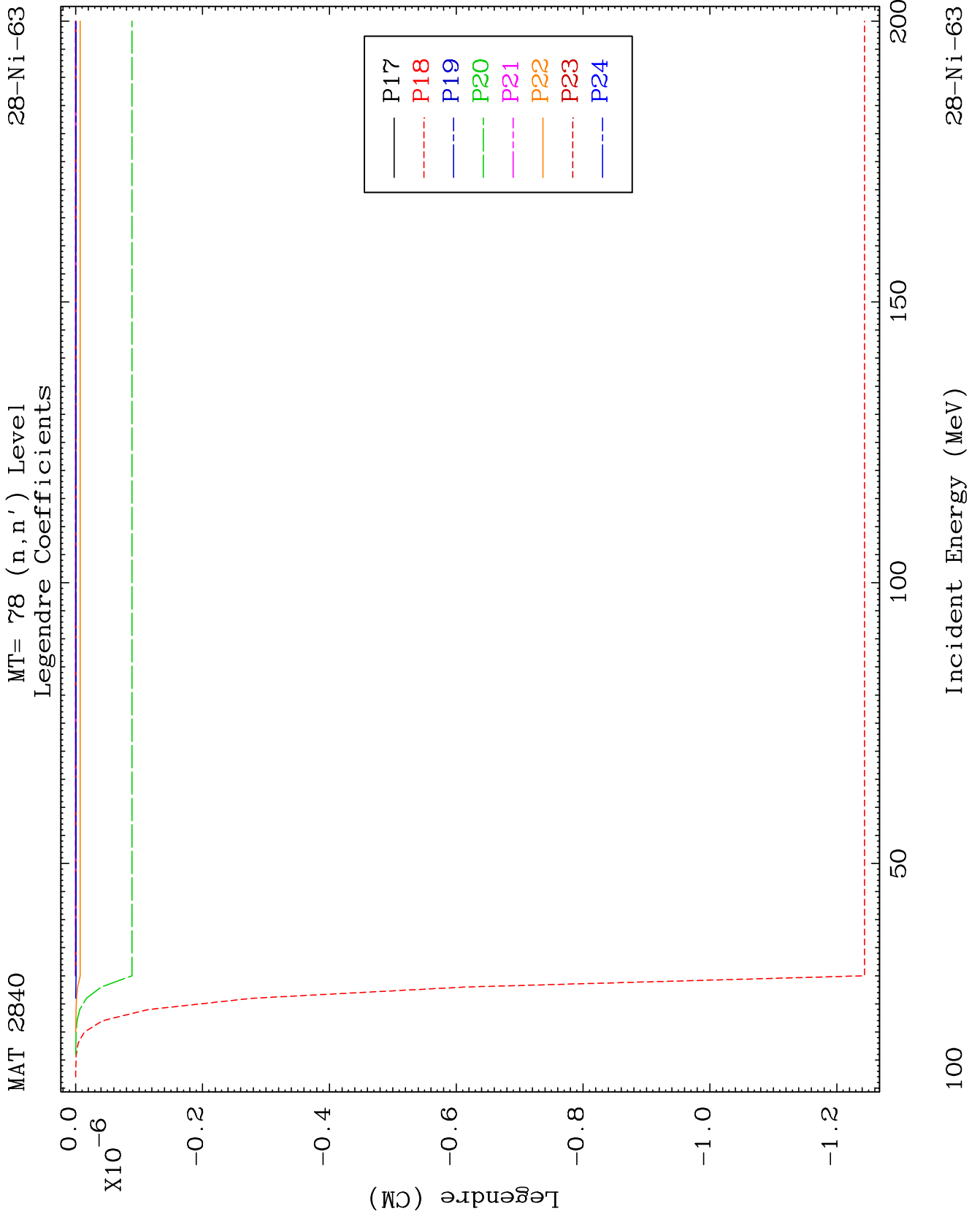
97

Incident Energy (MeV)

28-Ni-63





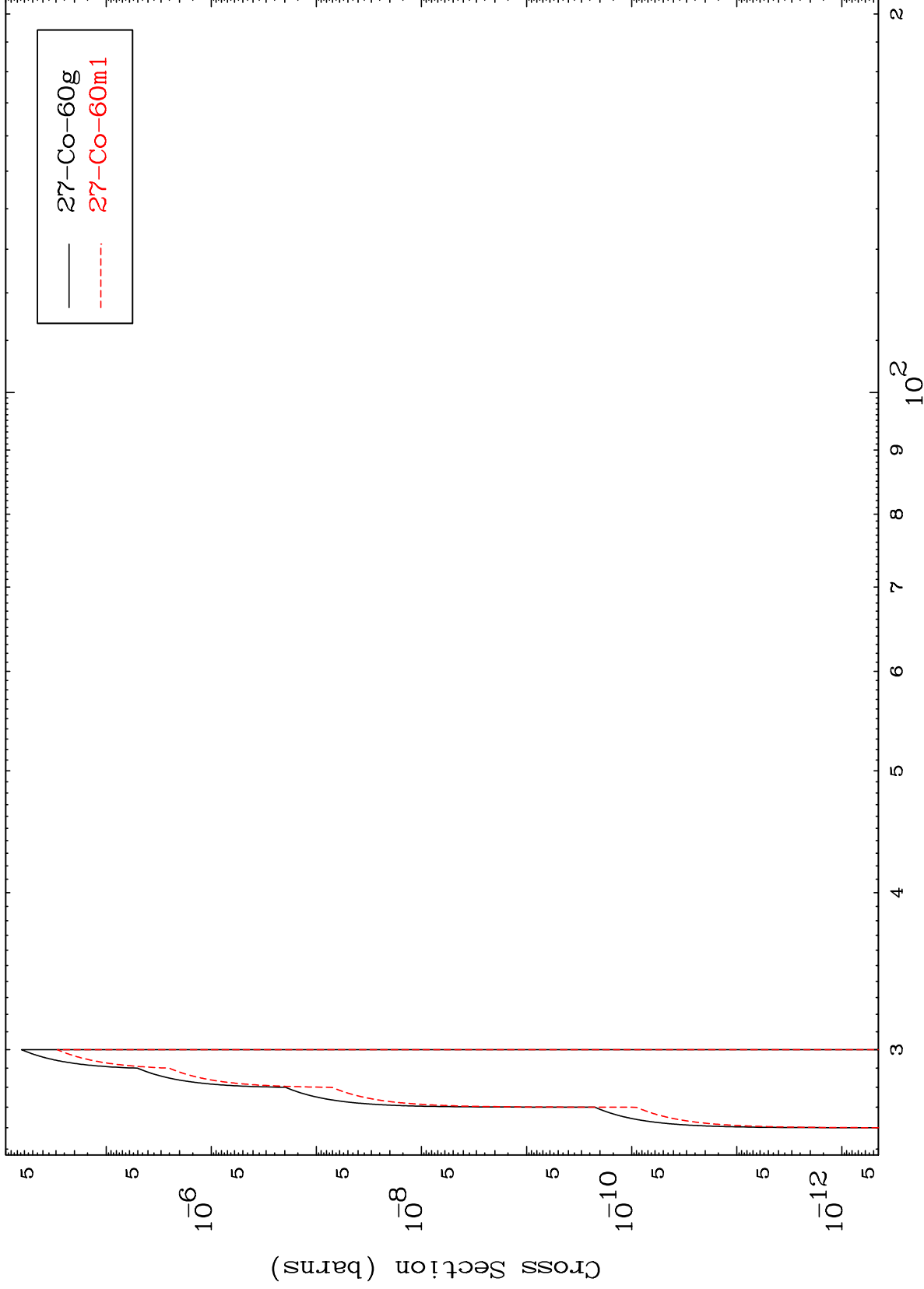


MAT 2840

(n,2n) d

28-Ni-63

Radionuclide Production Cross Section



101

Incident Energy (MeV)

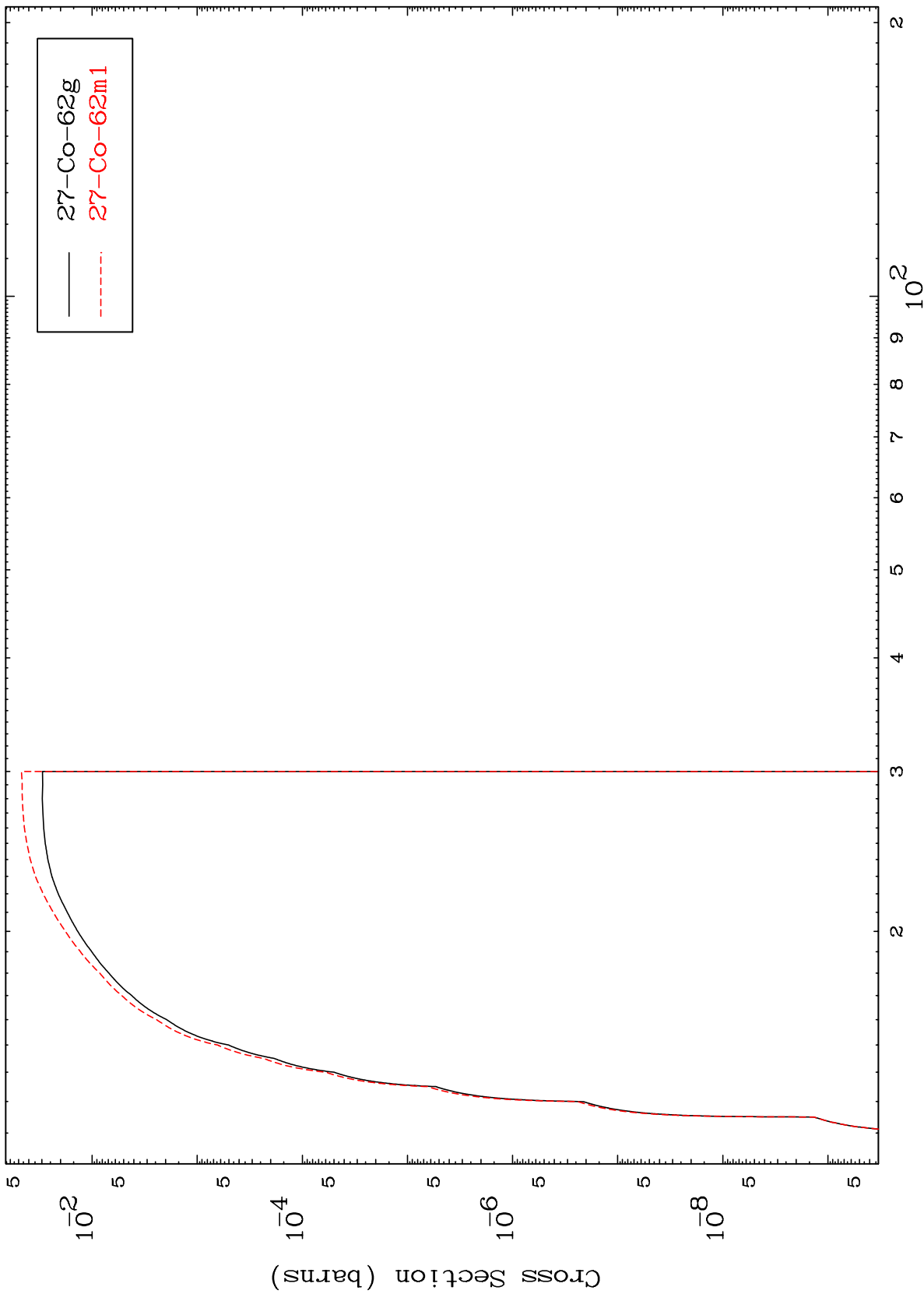
28-Ni-63

MAT 2840

(n,n') p

28-Ni-63

Radionuclide Production Cross Section



102

Incident Energy (MeV)

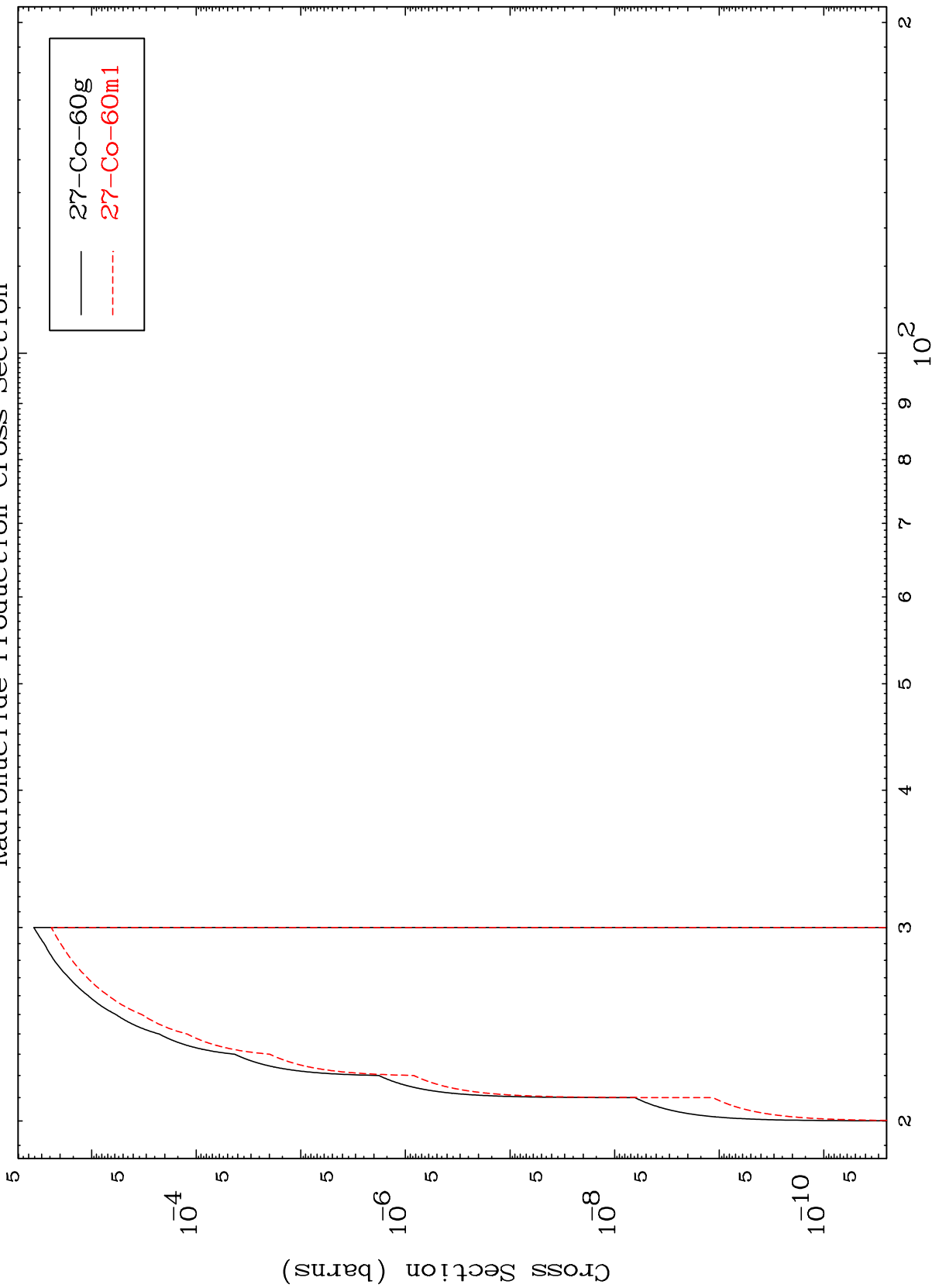
28-Ni-63

MAT 2840

(n,n') t

28-Ni-63

Radionuclide Production Cross Section



103

Incident Energy (MeV)

28-Ni-63



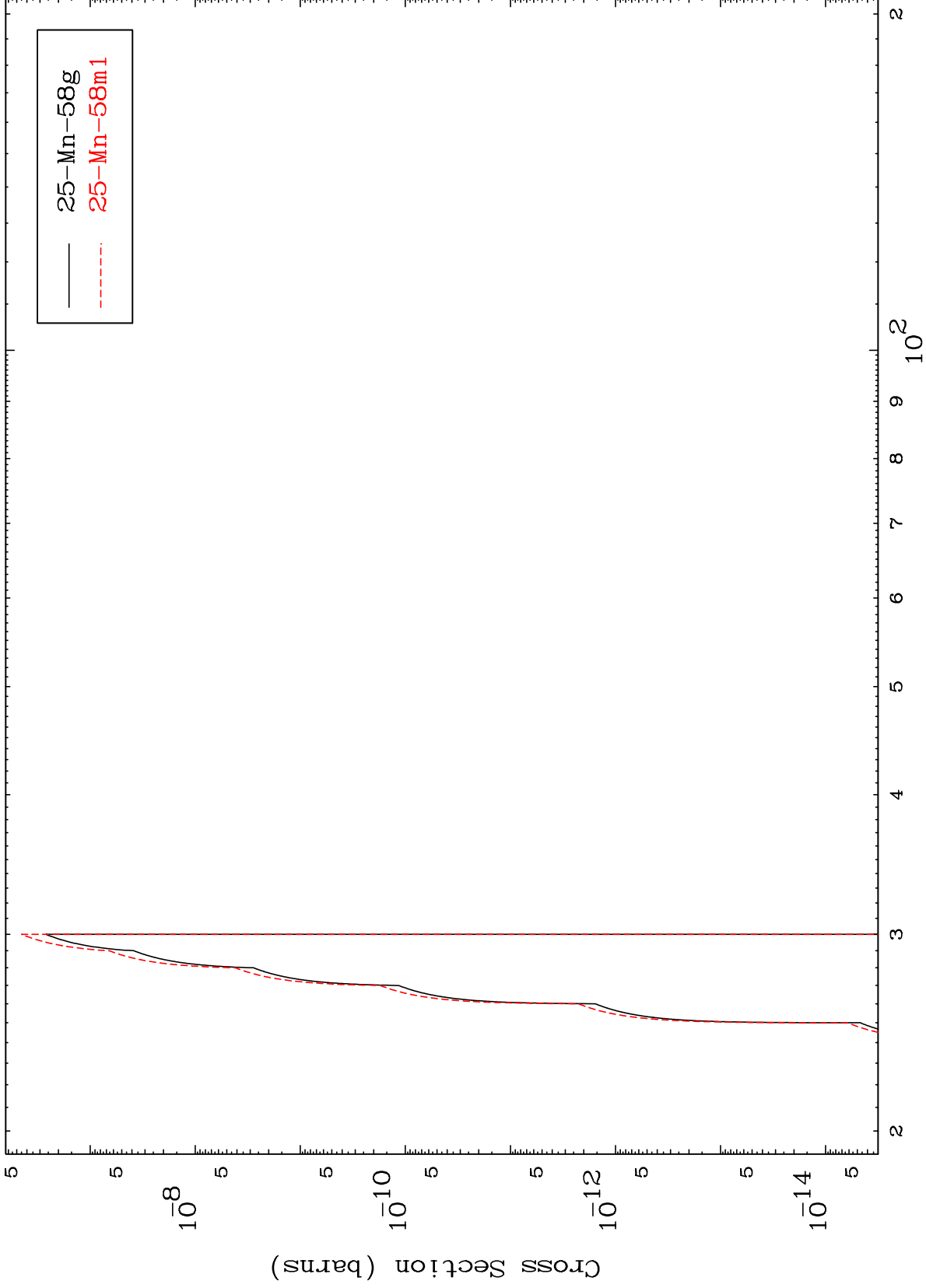


MAT 2840

(n,n') p  $\alpha$

28-Ni-63

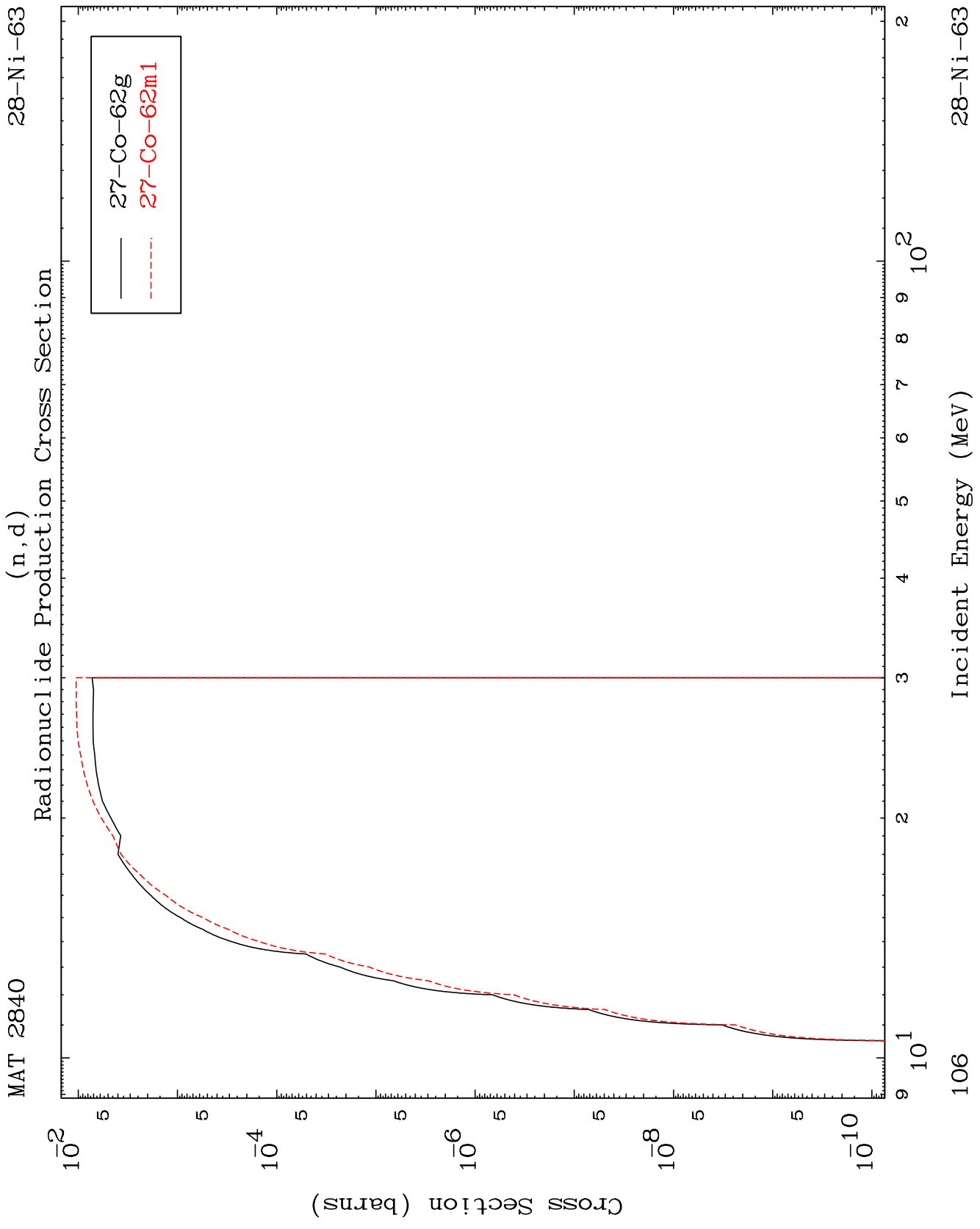
Radionuclide Production Cross Section



105

Incident Energy (MeV)

28-Ni-63



MAT 2840

Cross Section (barns)

$10^{-2}$   
 $10^{-4}$   
 $10^{-6}$   
 $10^{-8}$   
 $10^{-10}$

9 10<sup>1</sup>

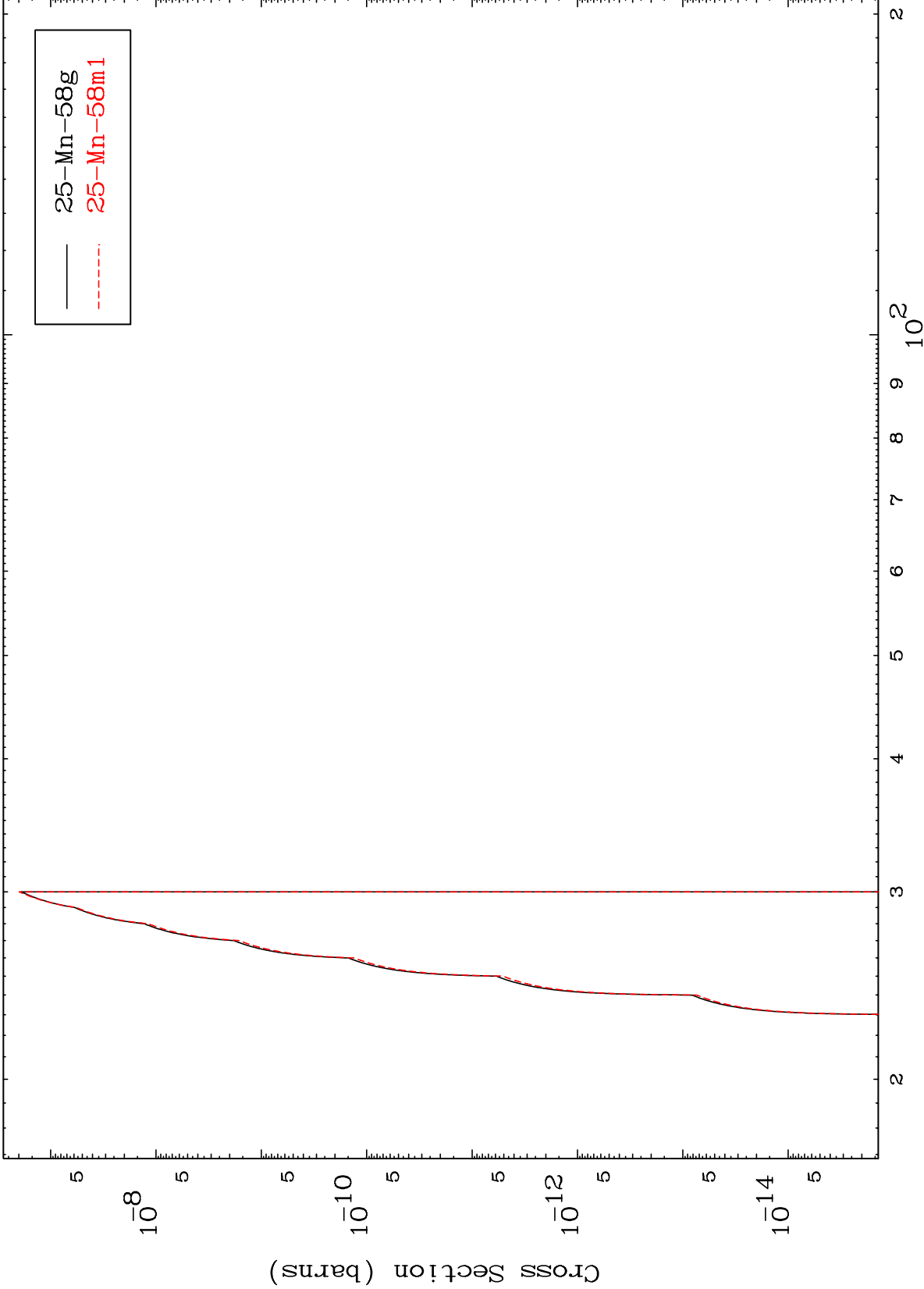
2 3 4 5 6 7 8 9 10<sup>2</sup>

106

Incident Energy (MeV)

28-Ni-63

Radionuclide Production Cross Section



25-Mn-58g  
25-Mn-58m1