

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

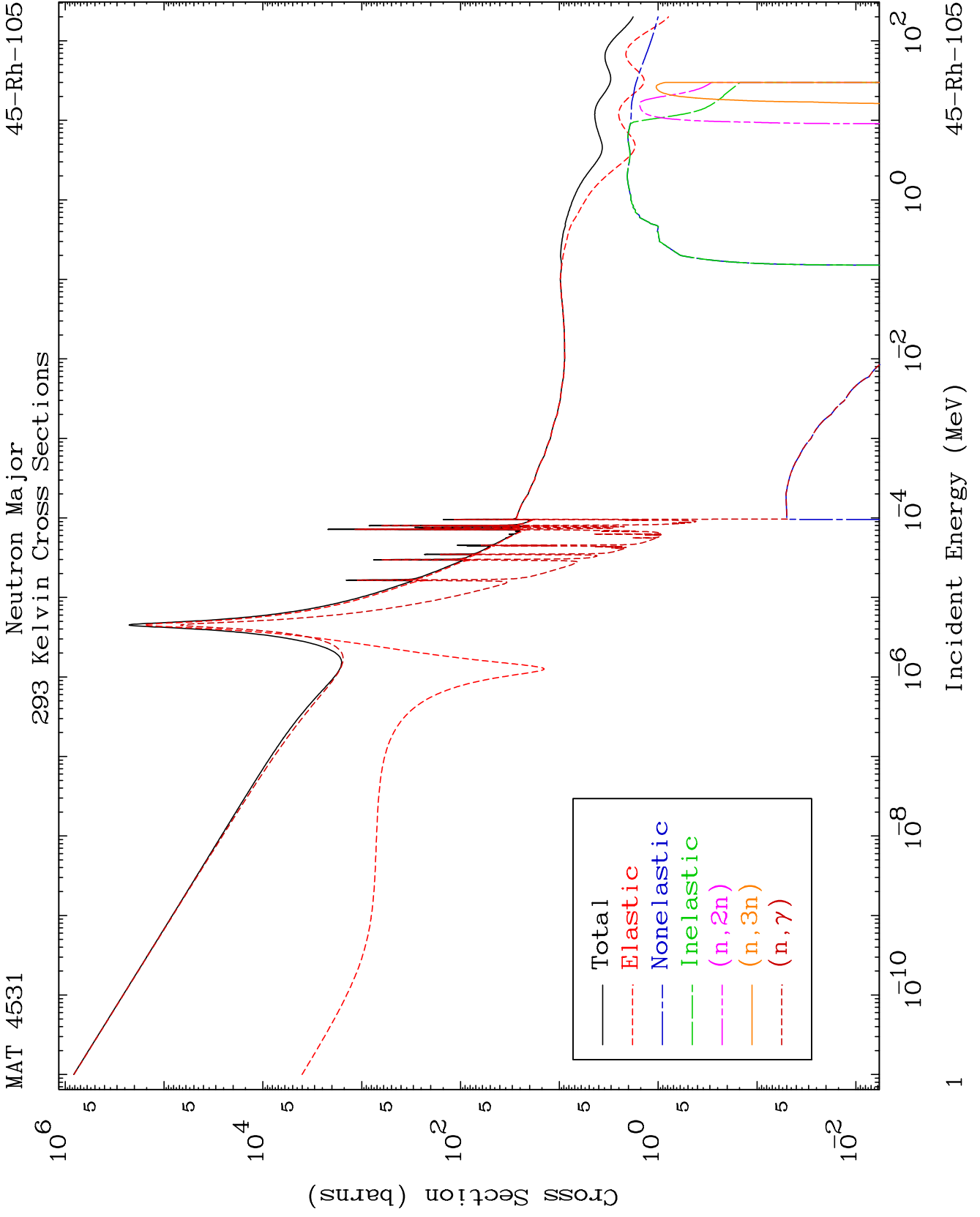
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

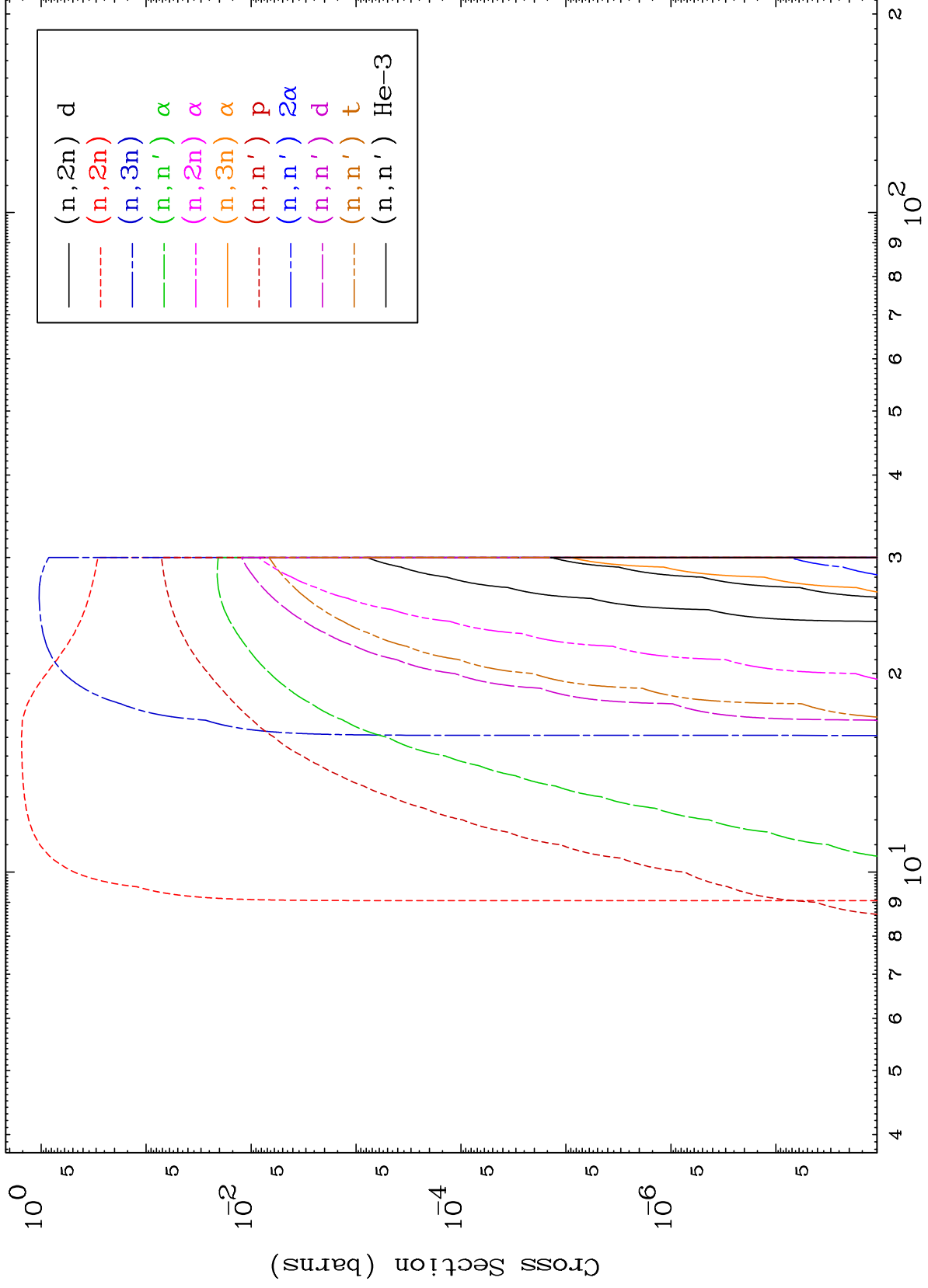
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

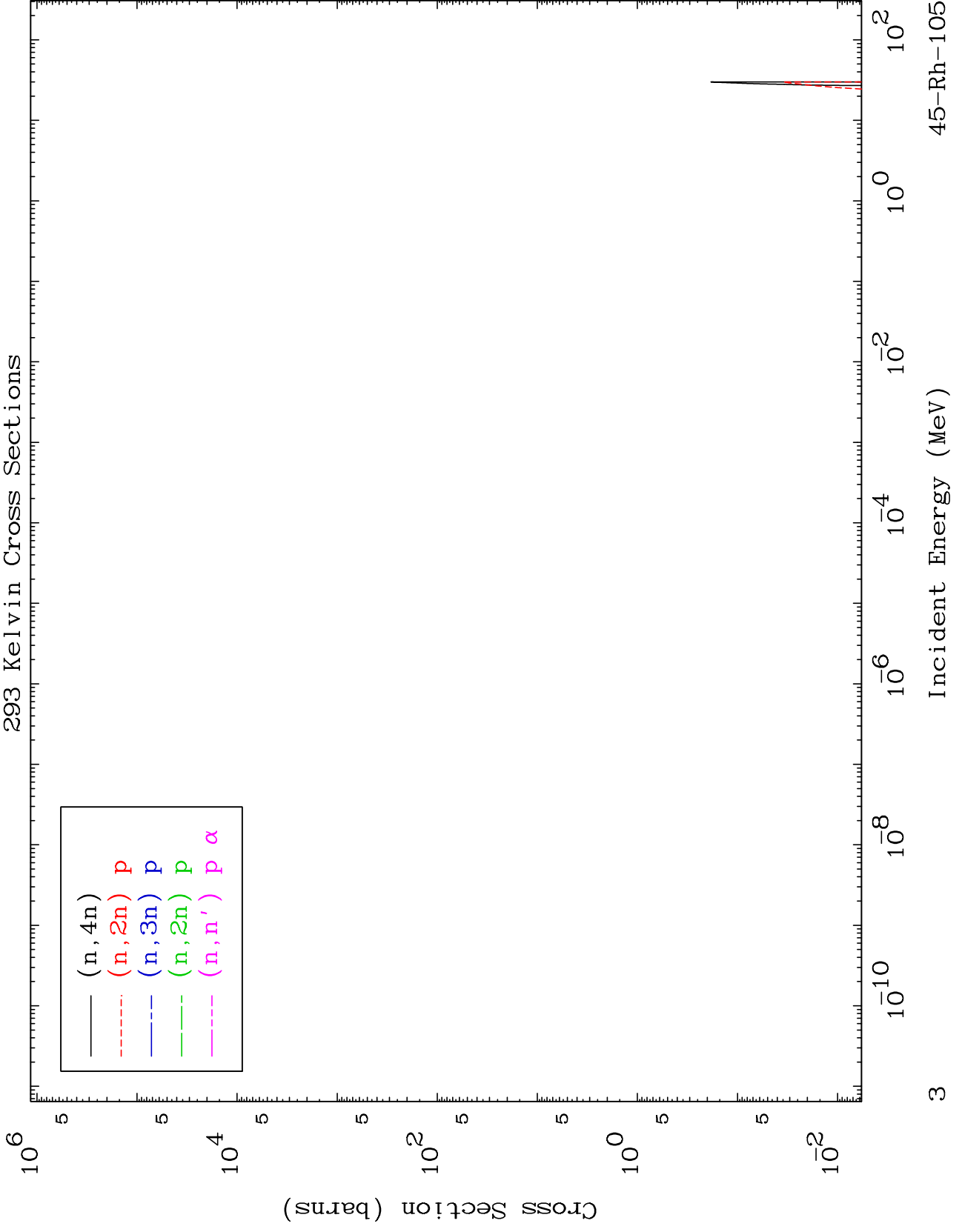




MAT 4531

Neutron Absorption  
293 Kelvin Cross Sections

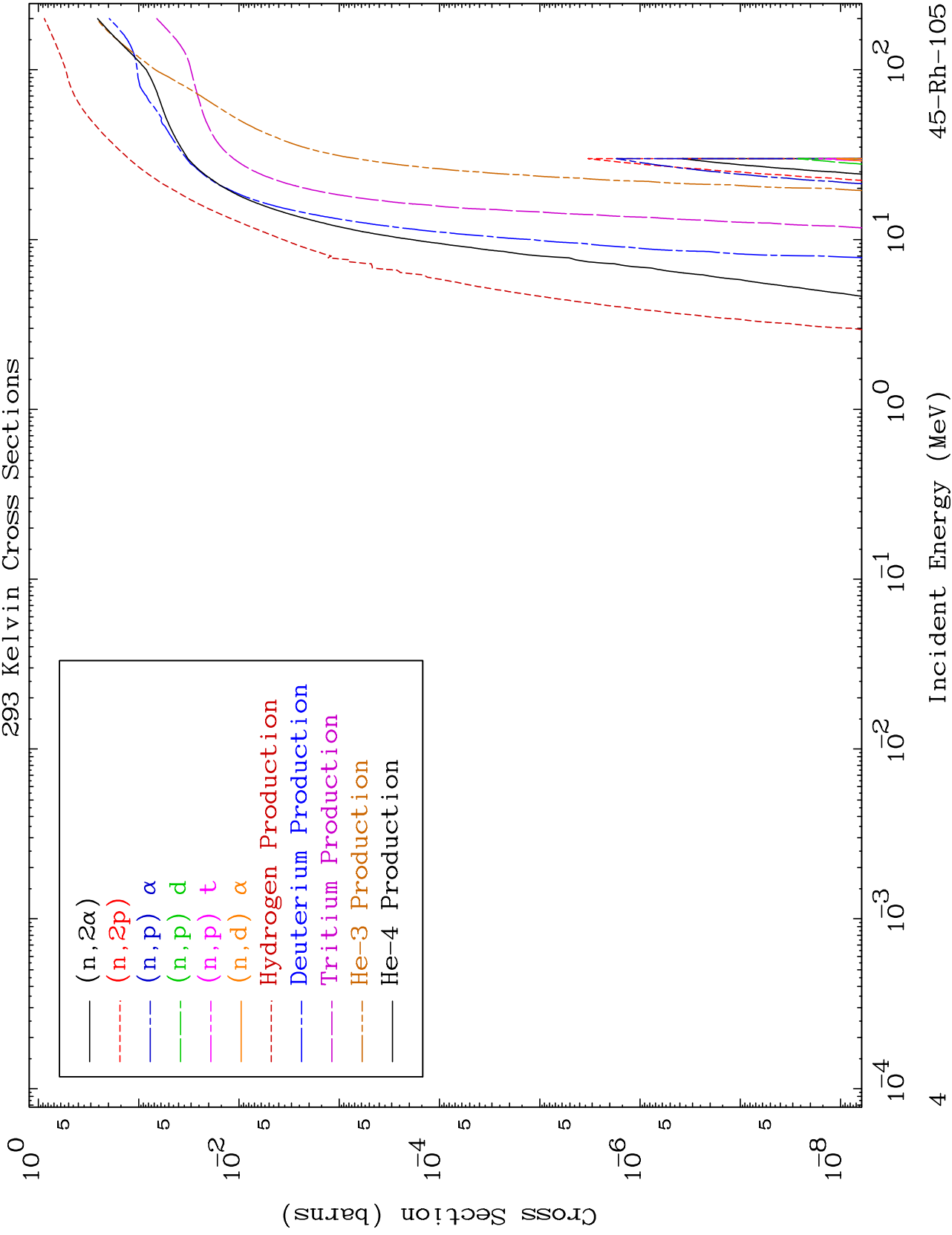
45-Rh-105



MAT 4531

Neutron Absorption  
293 Kelvin Cross Sections

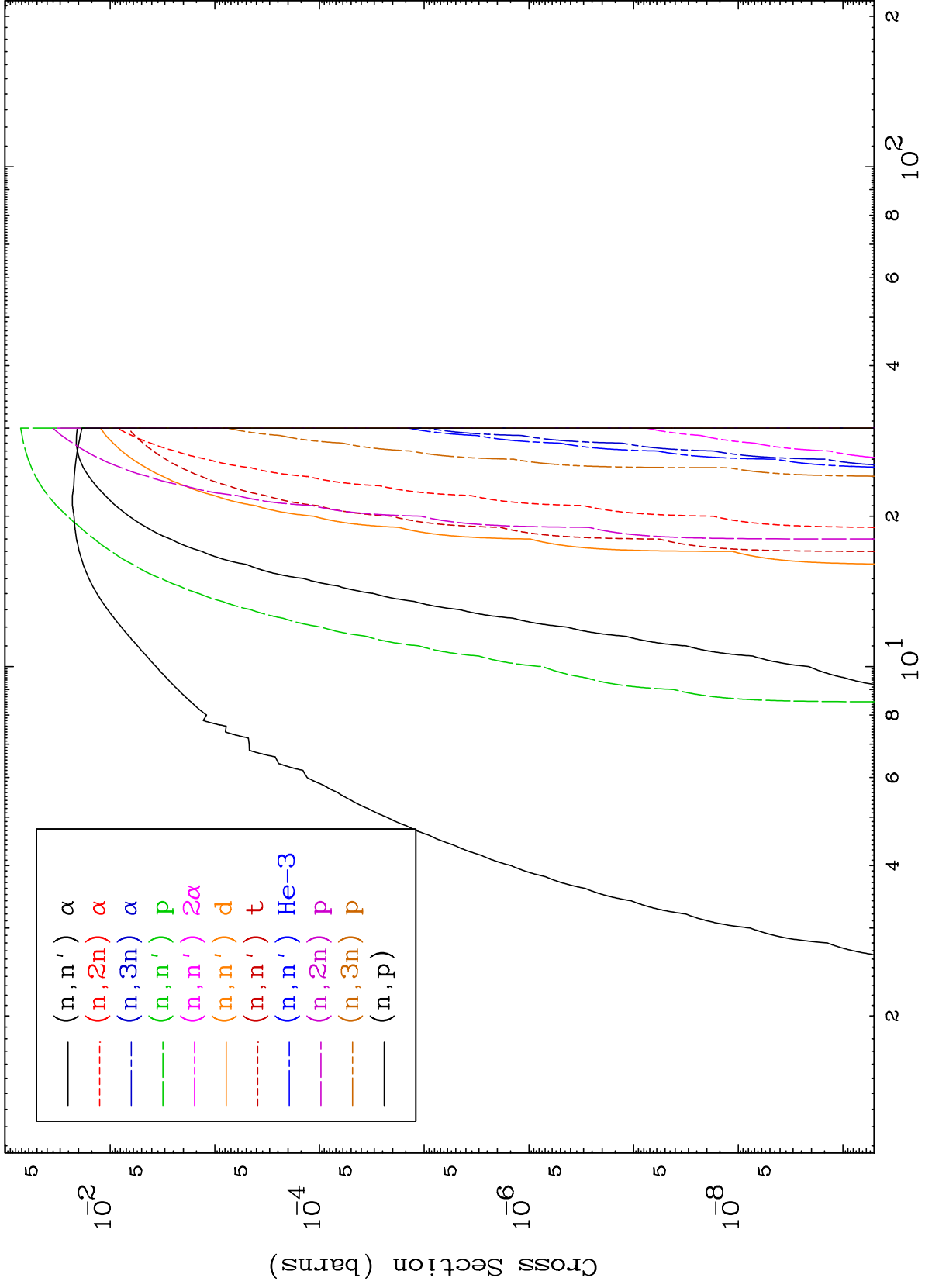
45-Rh-105



MAT 4531

Charged Particle  
293 Kelvin Cross Sections

45-Rh-105



5

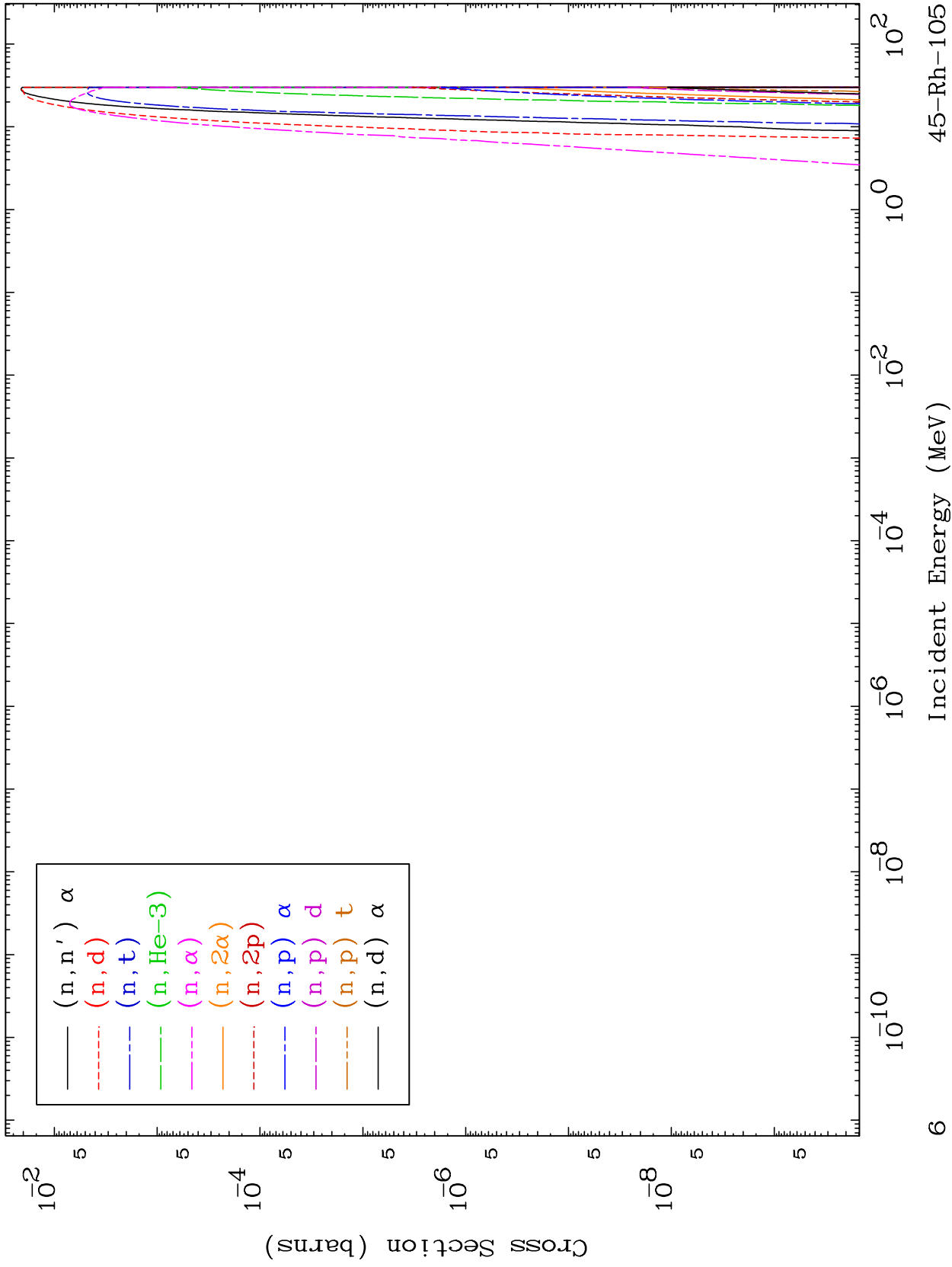
Incident Energy (MeV)

45-Rh-105

MAT 4531

Charged Particle  
293 Kelvin Cross Sections

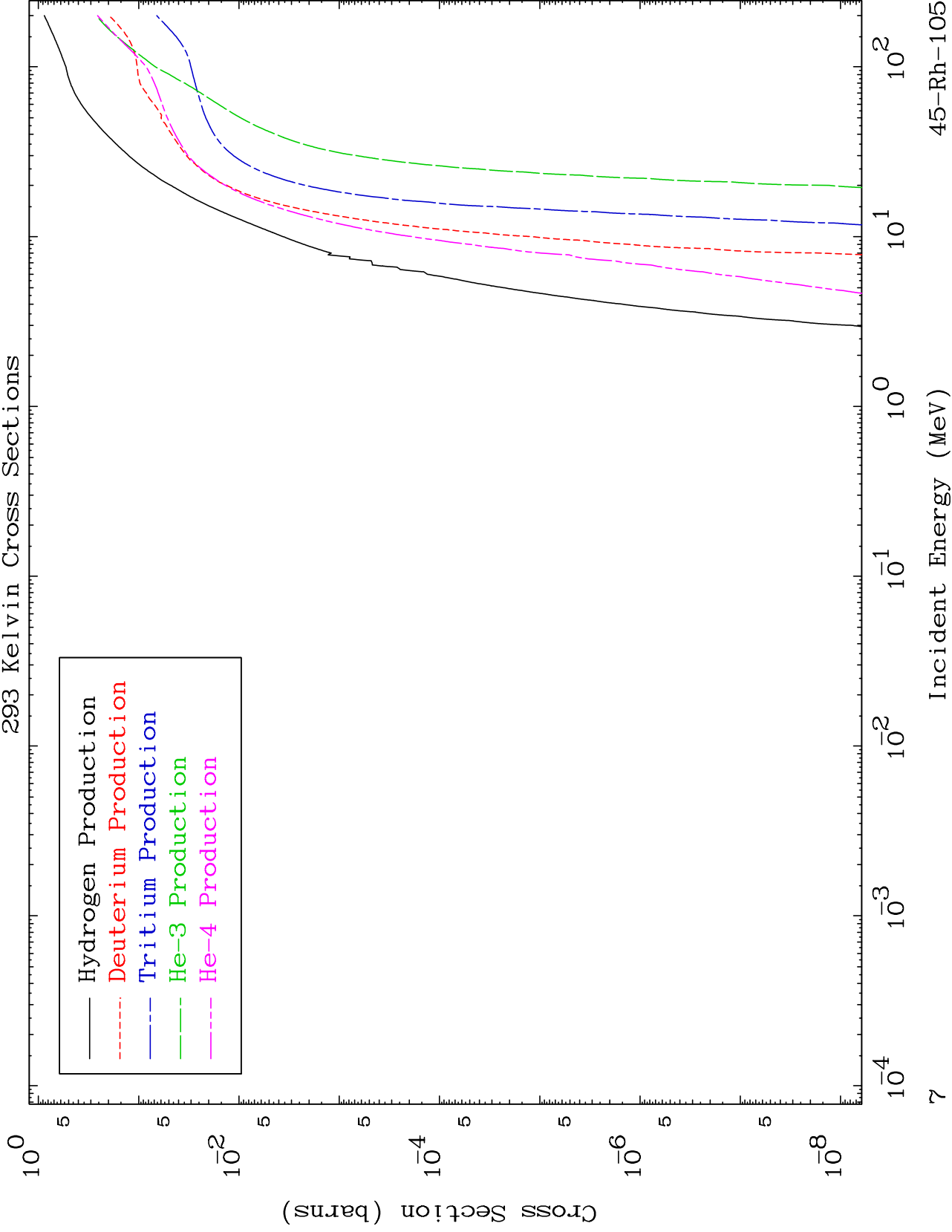
45-Rh-105



MAT 4531

Particle Production  
293 Kelvin Cross Sections

45-Rh-105

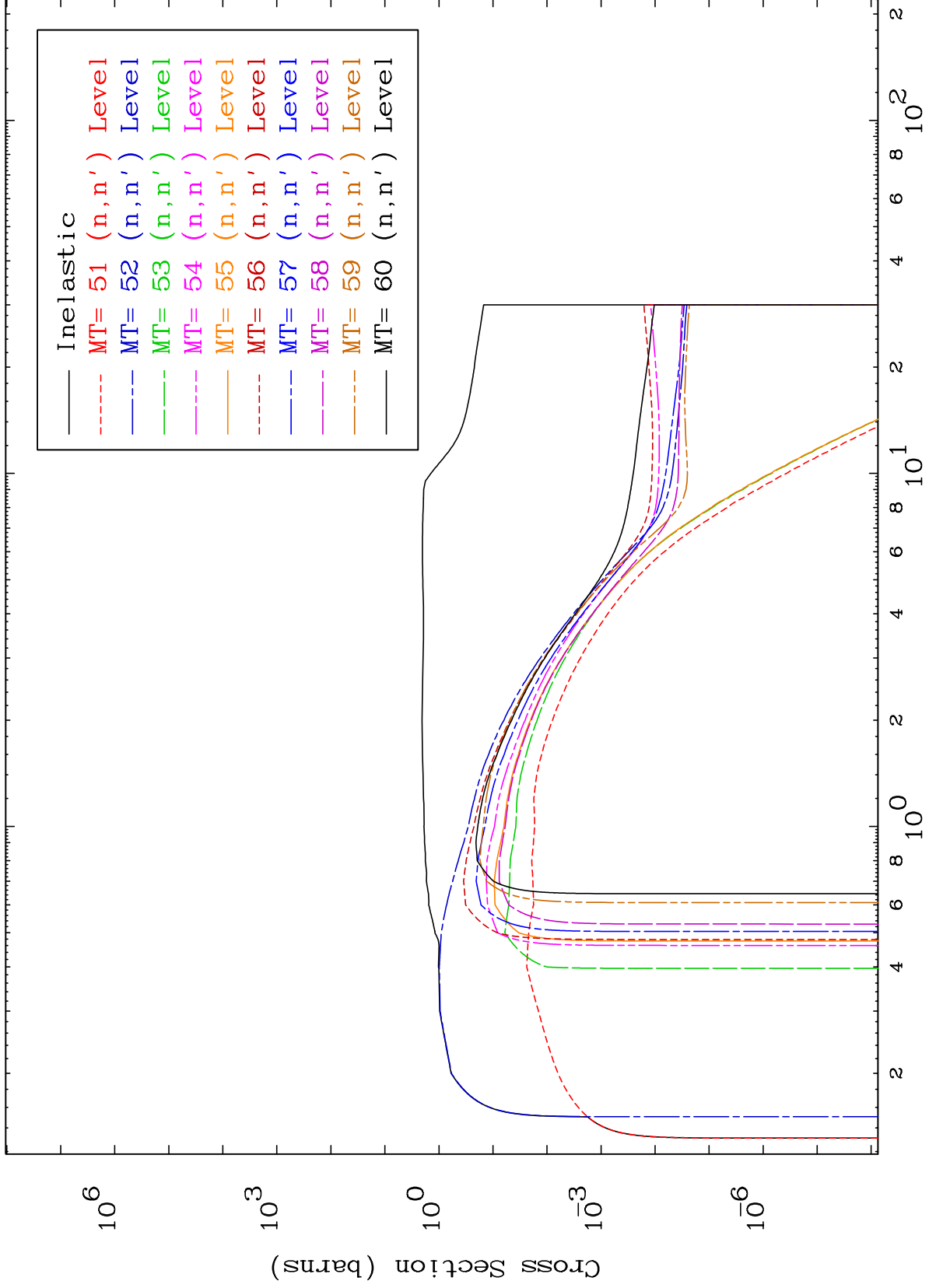


MAT 4531

(n,n') Levels

45-Rh-105

293 Kelvin Cross Sections

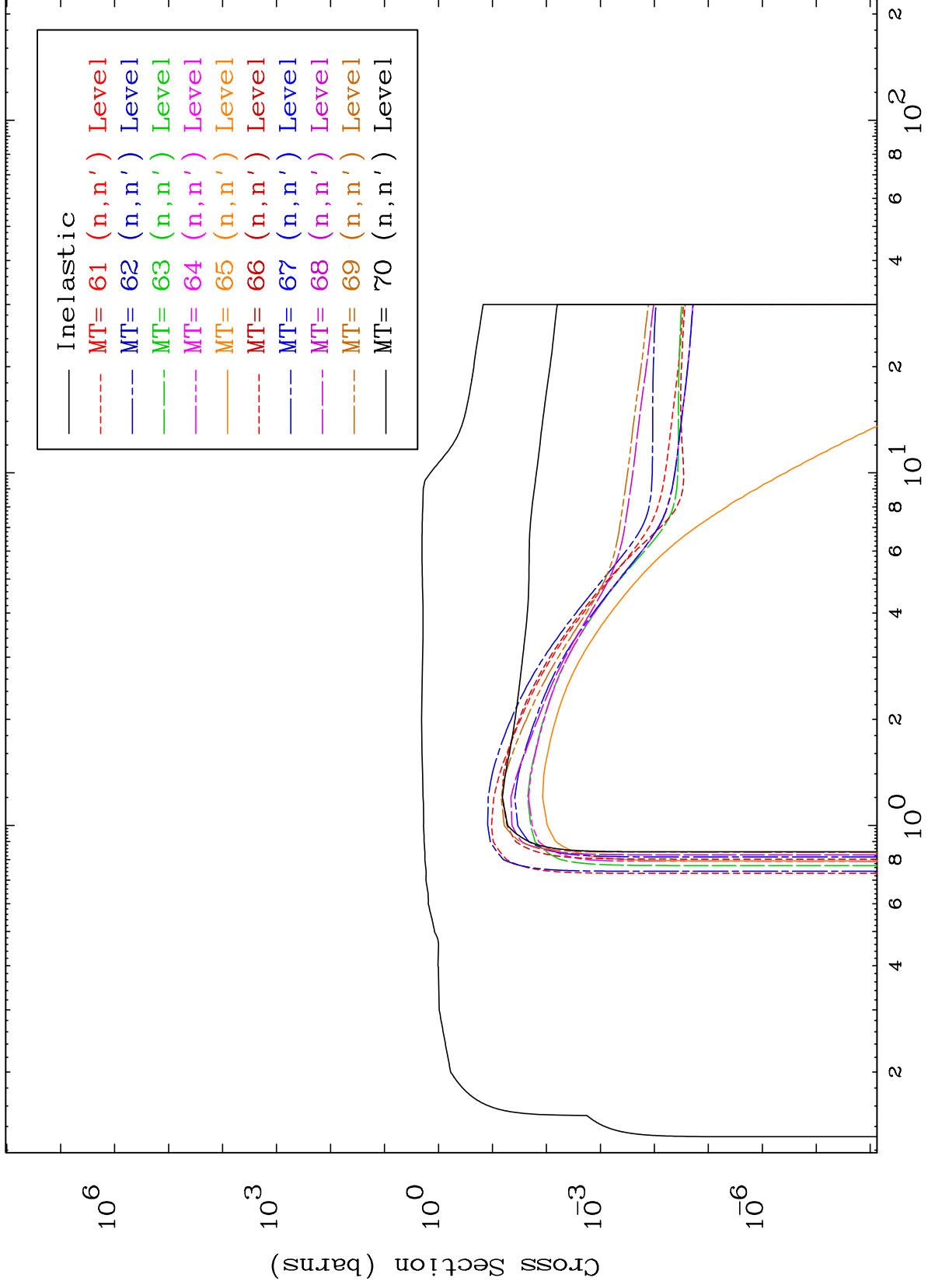


MAT 4531

(n,n') Levels

45-Rh-105

293 Kelvin Cross Sections

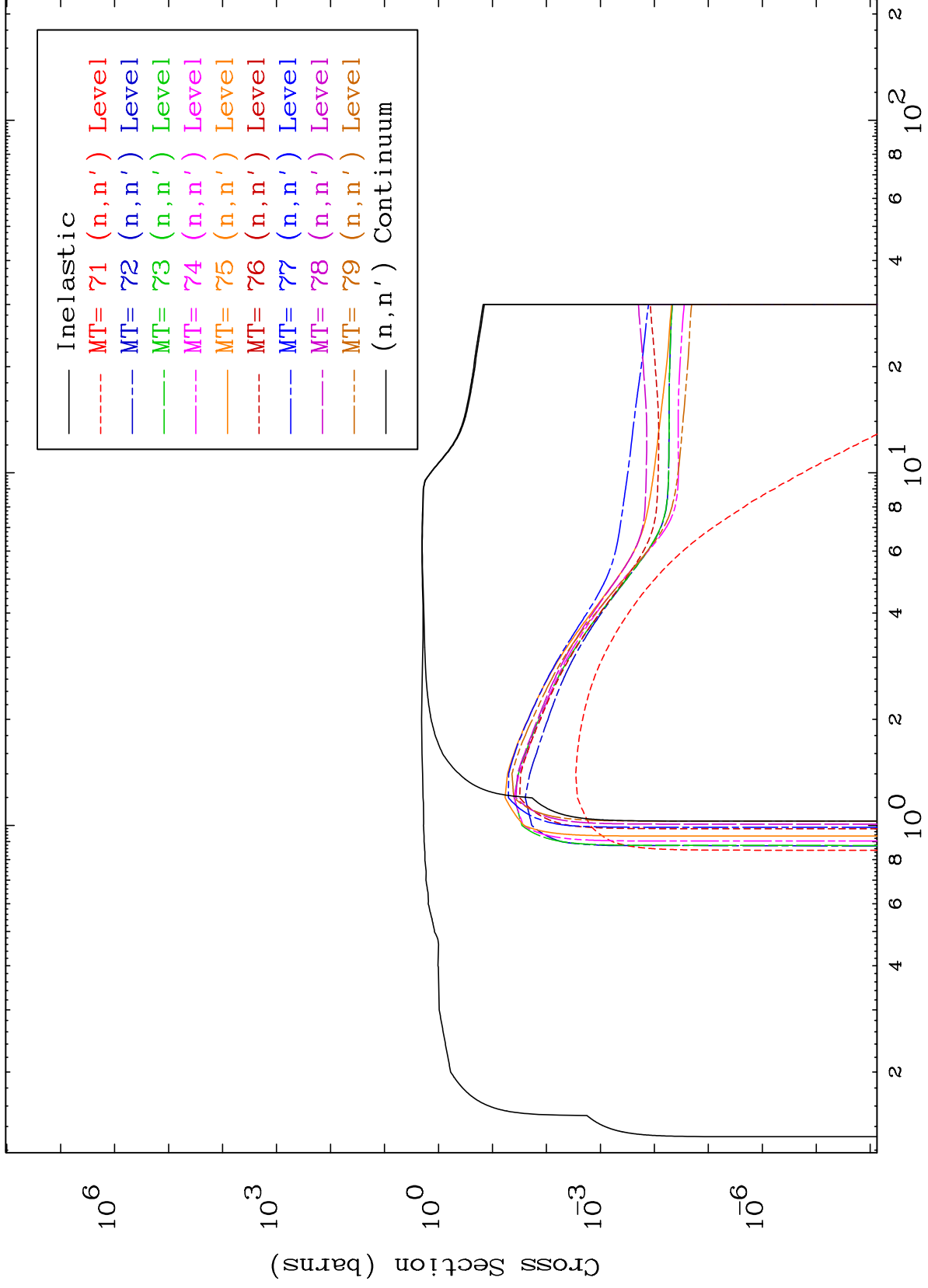


MAT 4531

(n,n') Levels

293 Kelvin Cross Sections

45-Rh-105



10

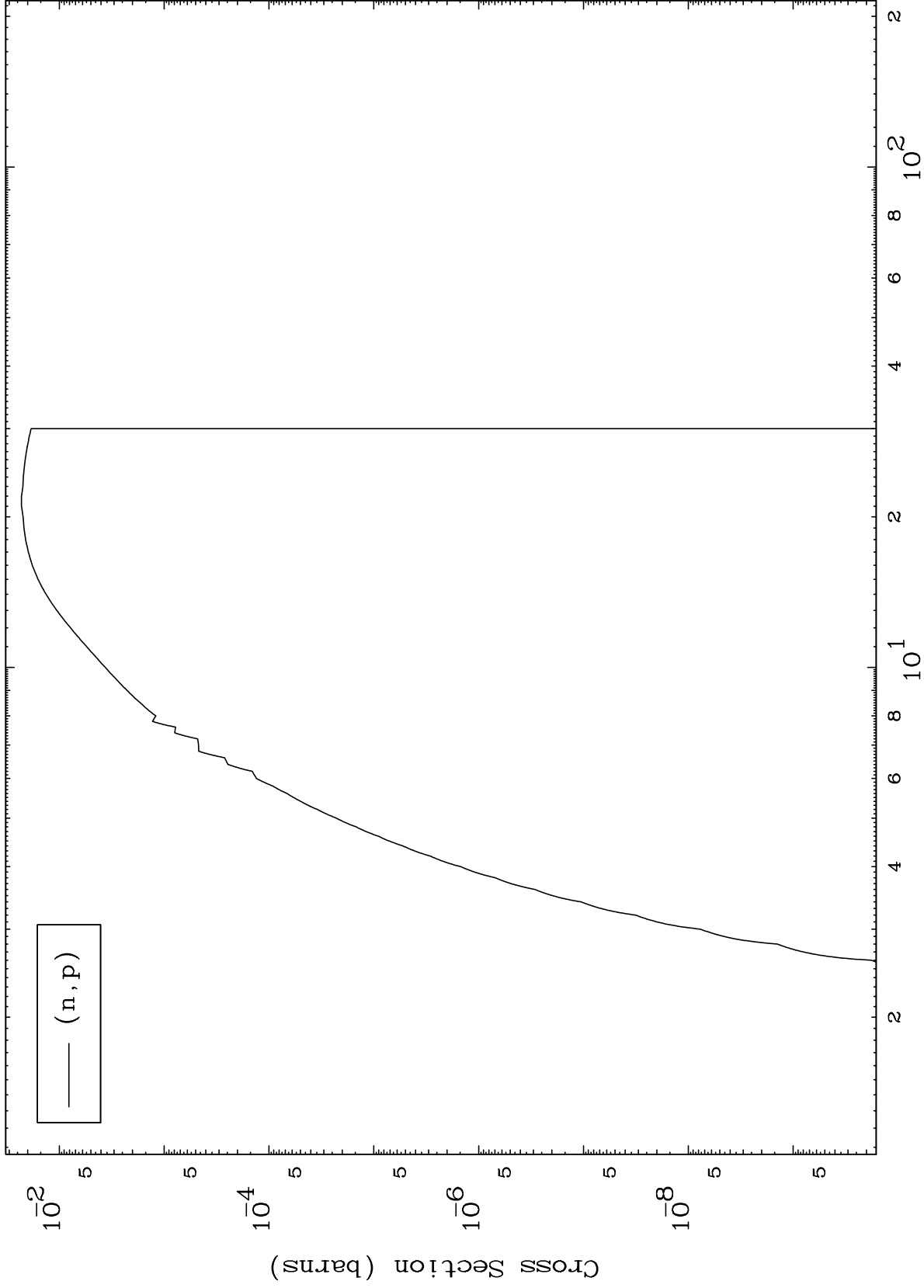
Incident Energy (MeV)

45-Rh-105

MAT 4531

(n,p) Levels  
293 Kelvin Cross Sections

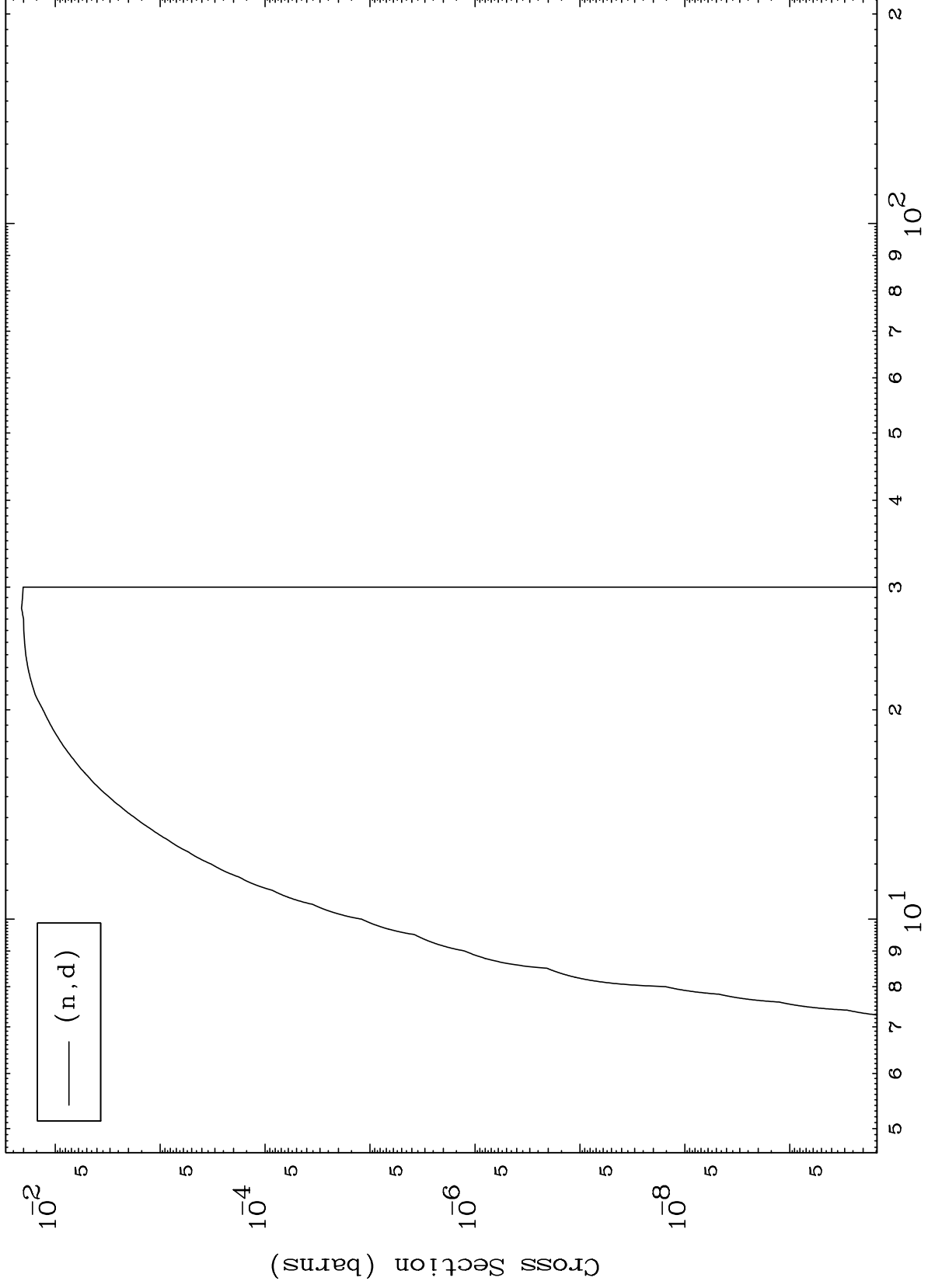
45-Rh-105



MAT 4531

(n,d) Levels  
293 Kelvin Cross Sections

45-Rh-105



(n,d)

12

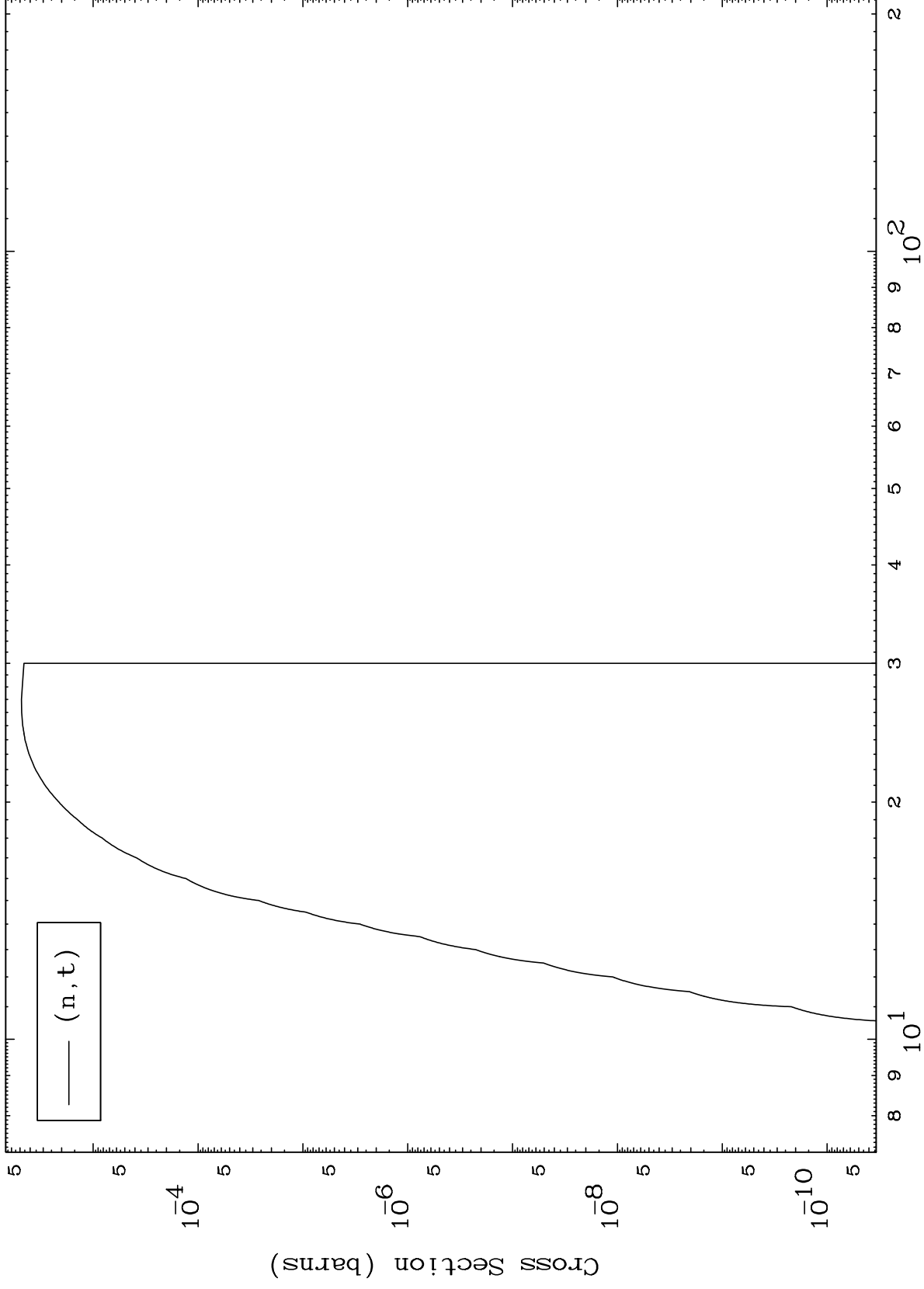
Incident Energy (MeV)

45-Rh-105

MAT 4531

(n,t) Levels  
293 Kelvin Cross Sections

45-Rh-105



13

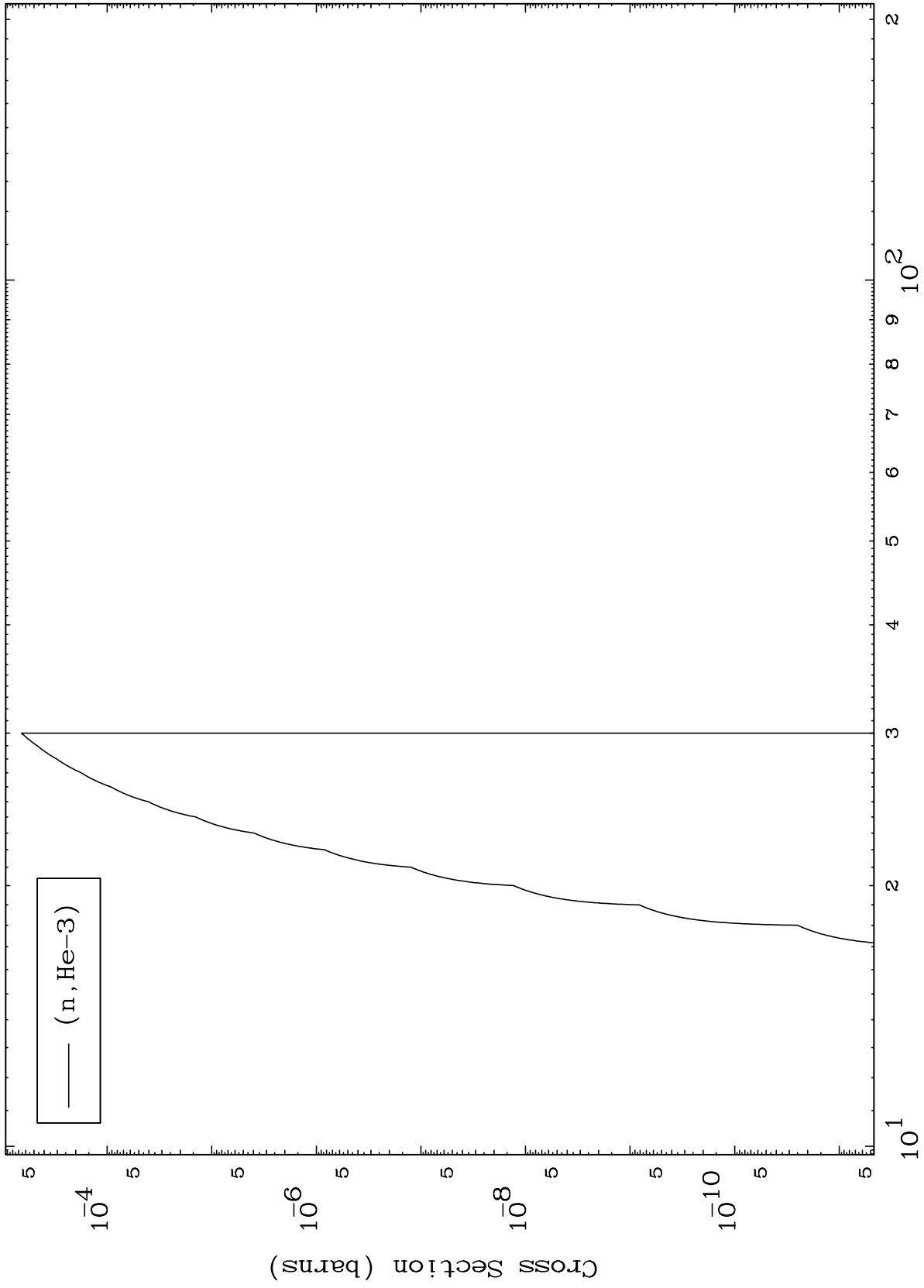
Incident Energy (MeV)

45-Rh-105

MAT 4531

(n,He3) Levels  
293 Kelvin Cross Sections

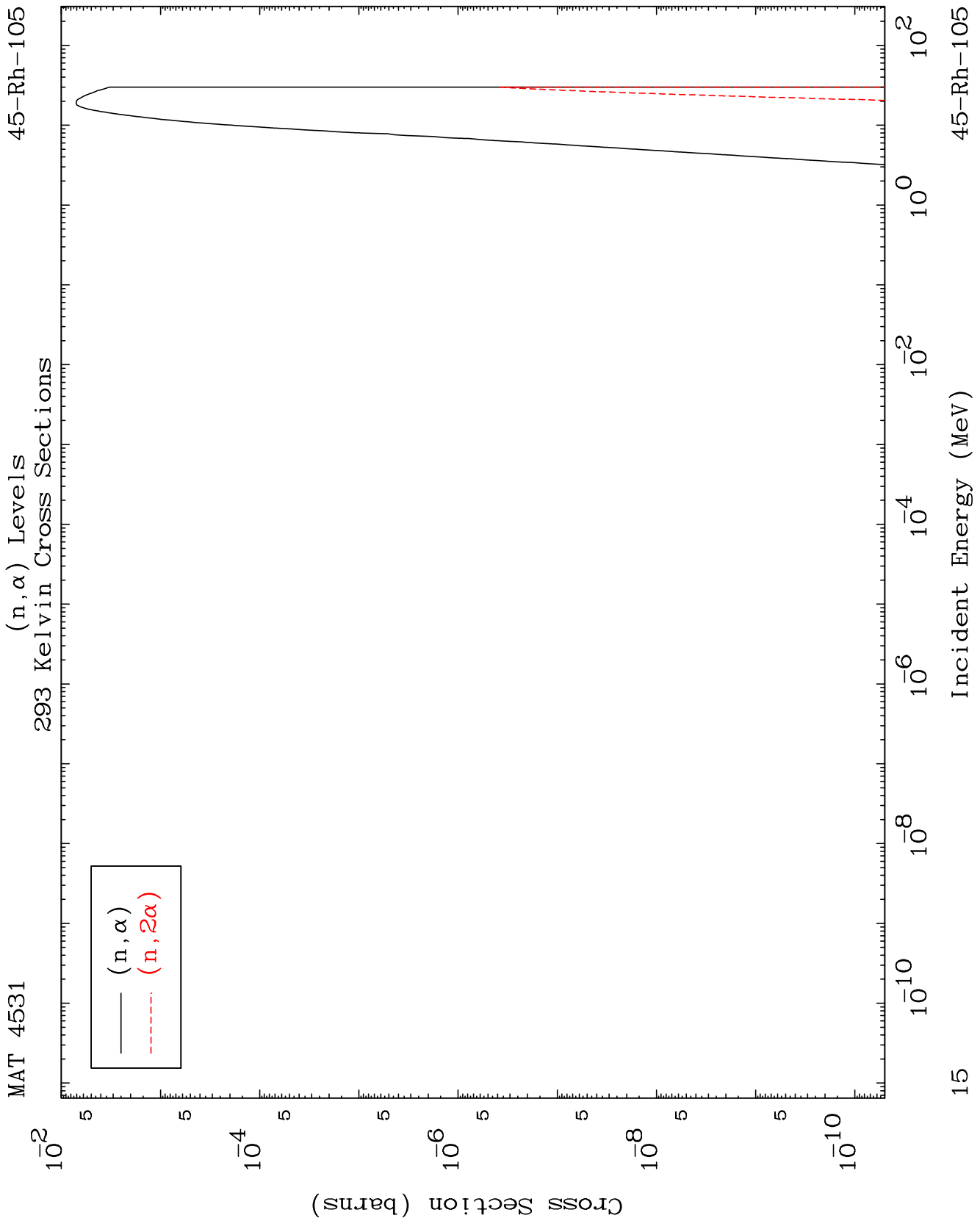
45-Rh-105



14

Incident Energy (MeV)

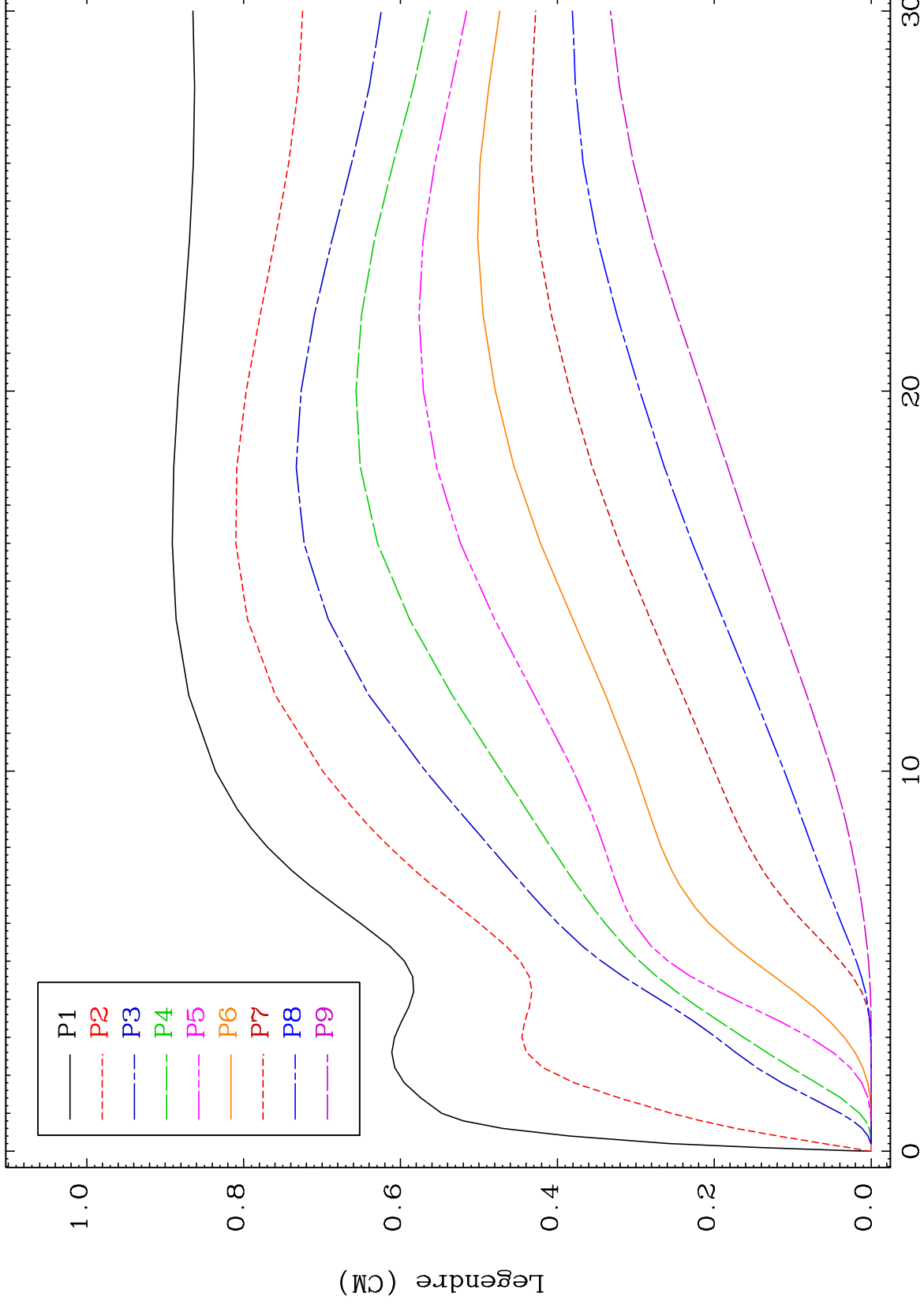
45-Rh-105



MAT 4531

Elastic Legendre Coefficients

45-Rh-105



16

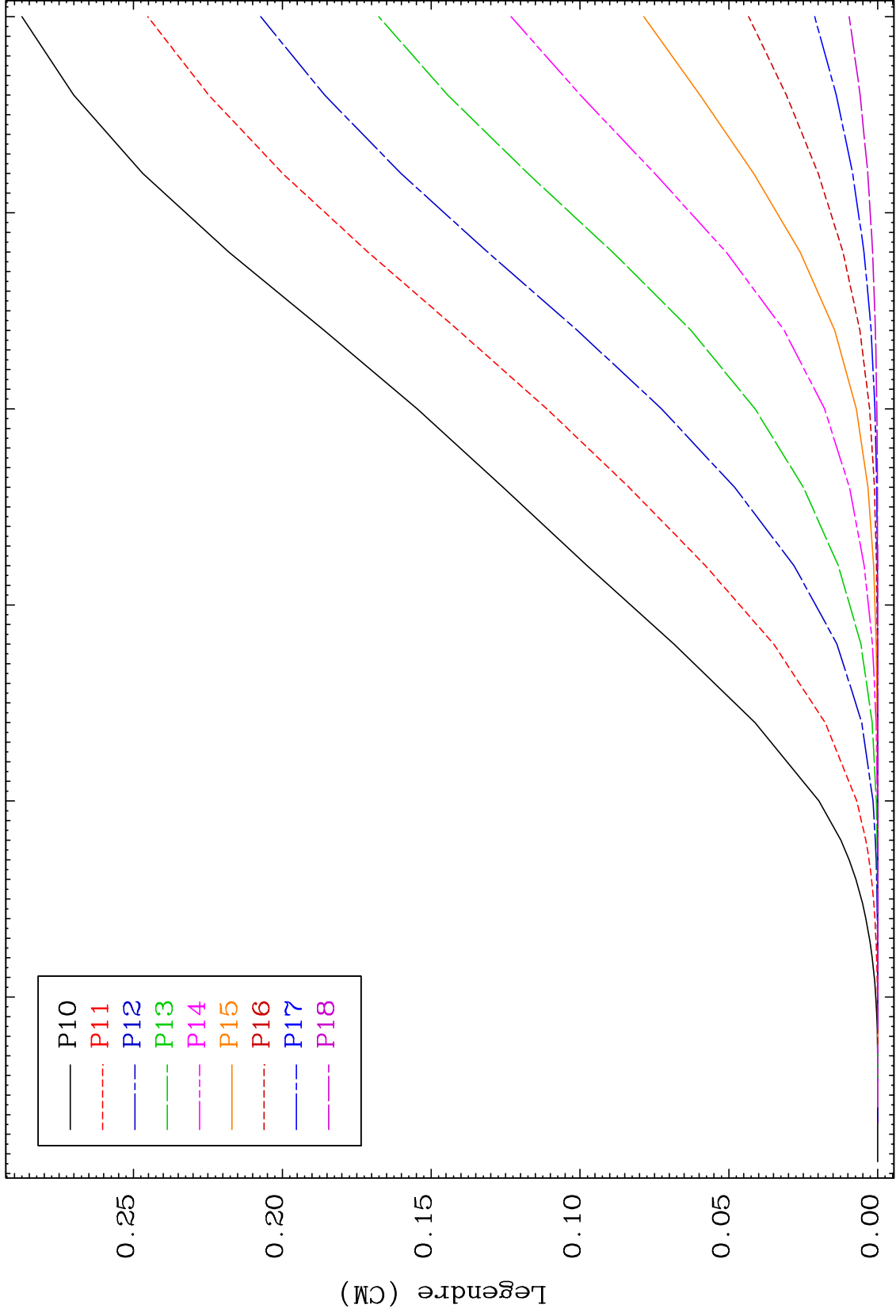
Incident Energy (MeV)

45-Rh-105

MAT 4531

Elastic  
Legendre Coefficients

45-Rh-105



17

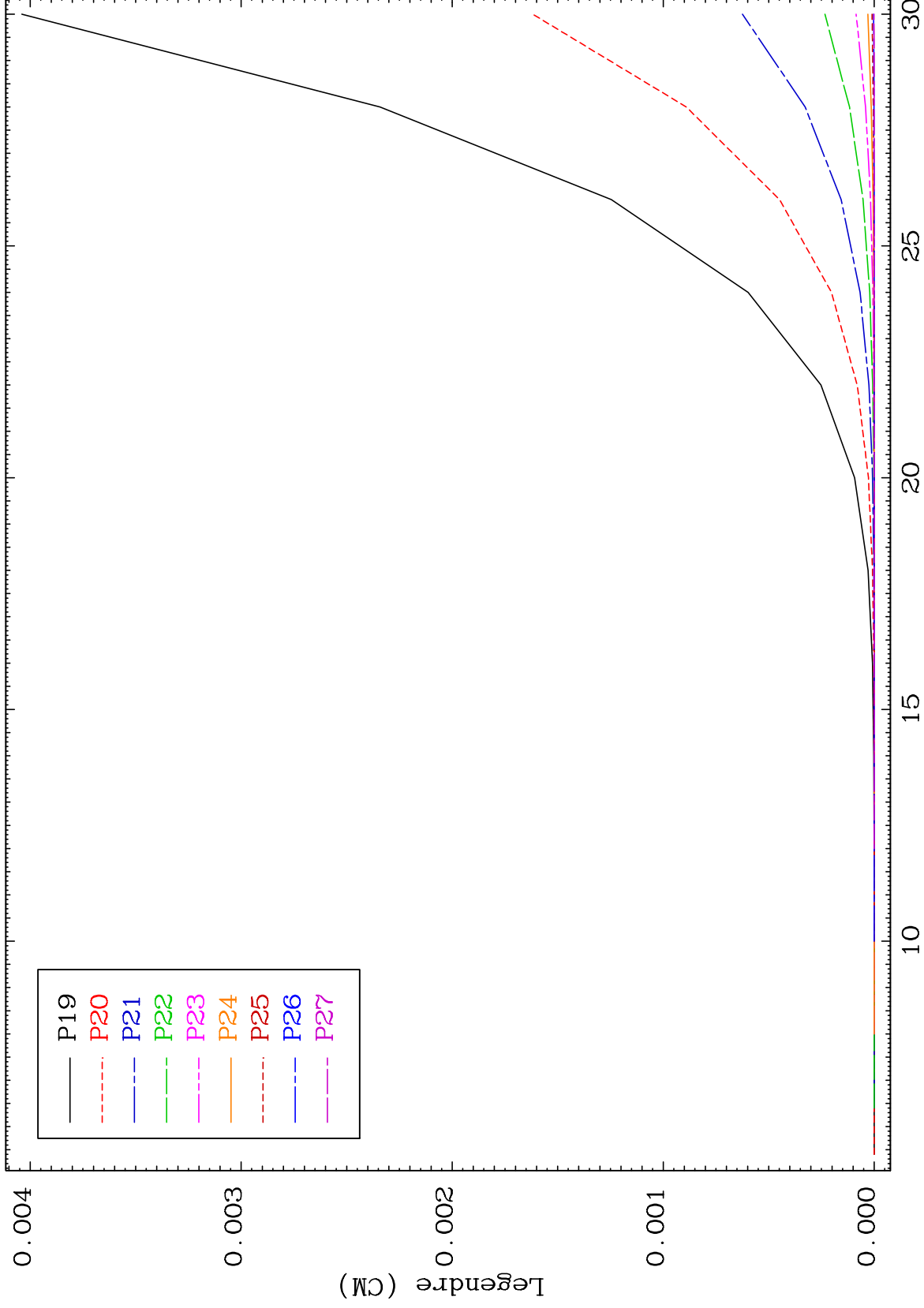
Incident Energy (MeV)

45-Rh-105

MAT 4531

Elastic  
Legendre Coefficients

45-Rh-105



18

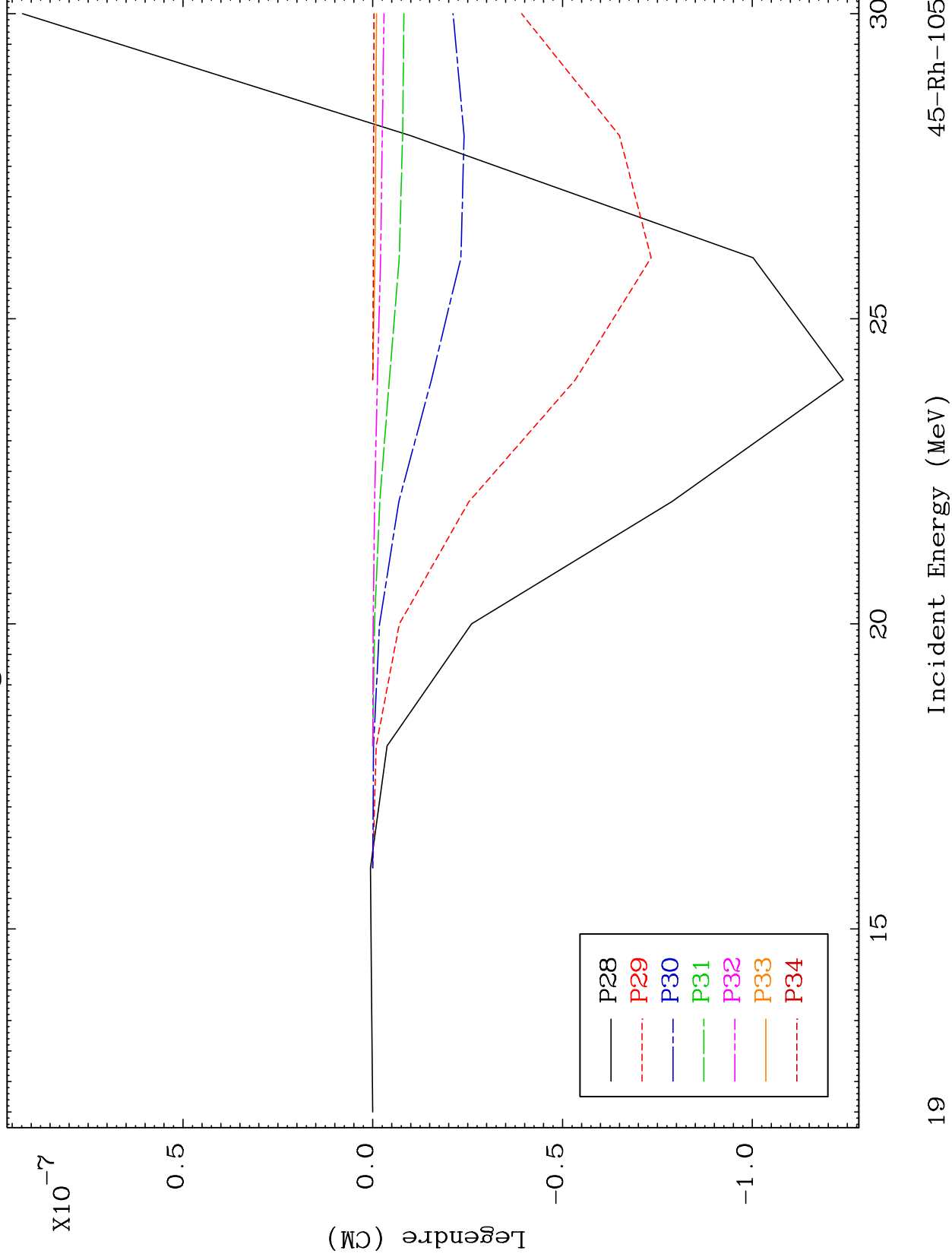
Incident Energy (MeV)

45-Rh-105

MAT 4531

Elastic  
Legendre Coefficients

45-Rh-105

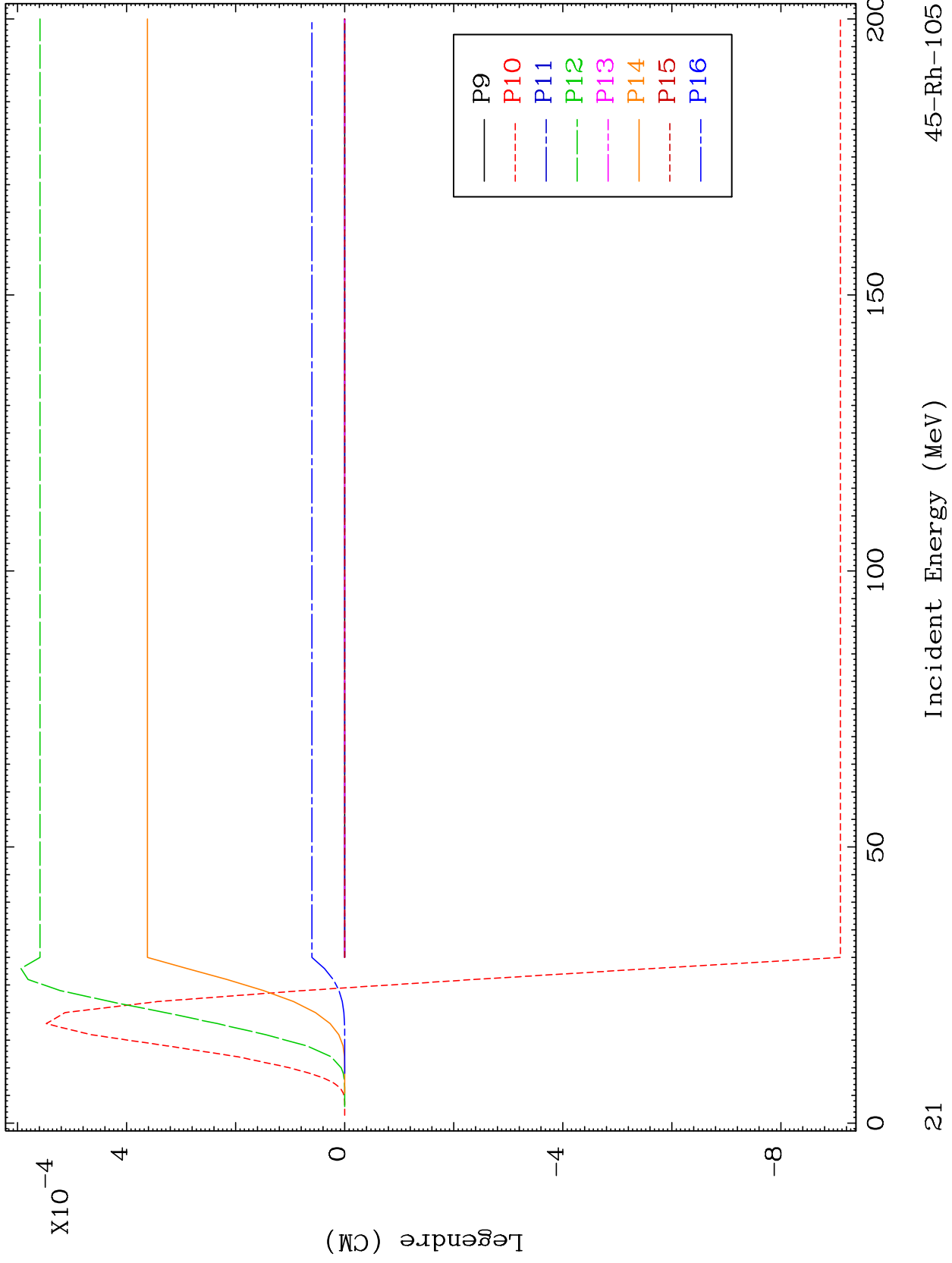




MAT 4531

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

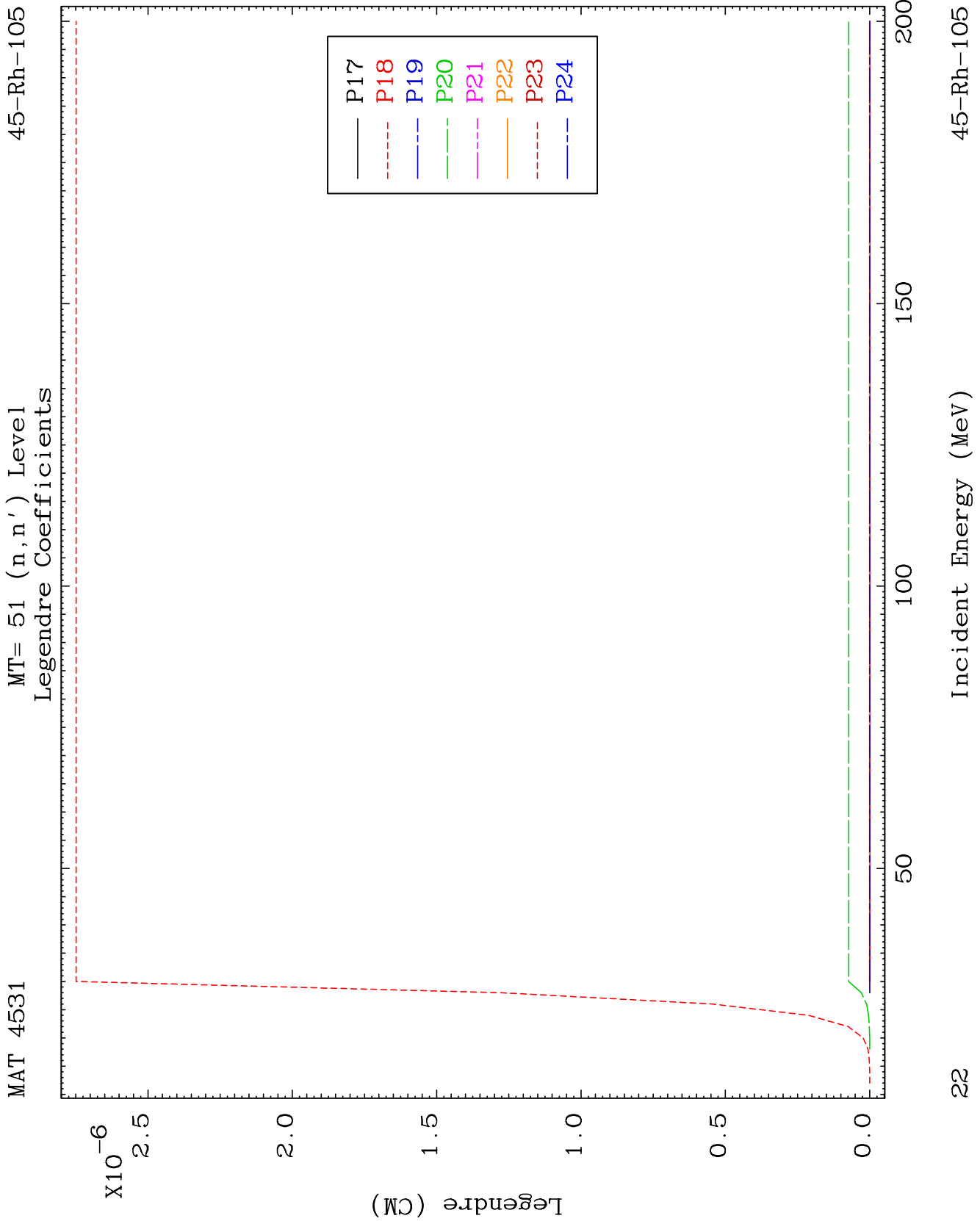
45-Rh-105



21

Incident Energy (MeV)

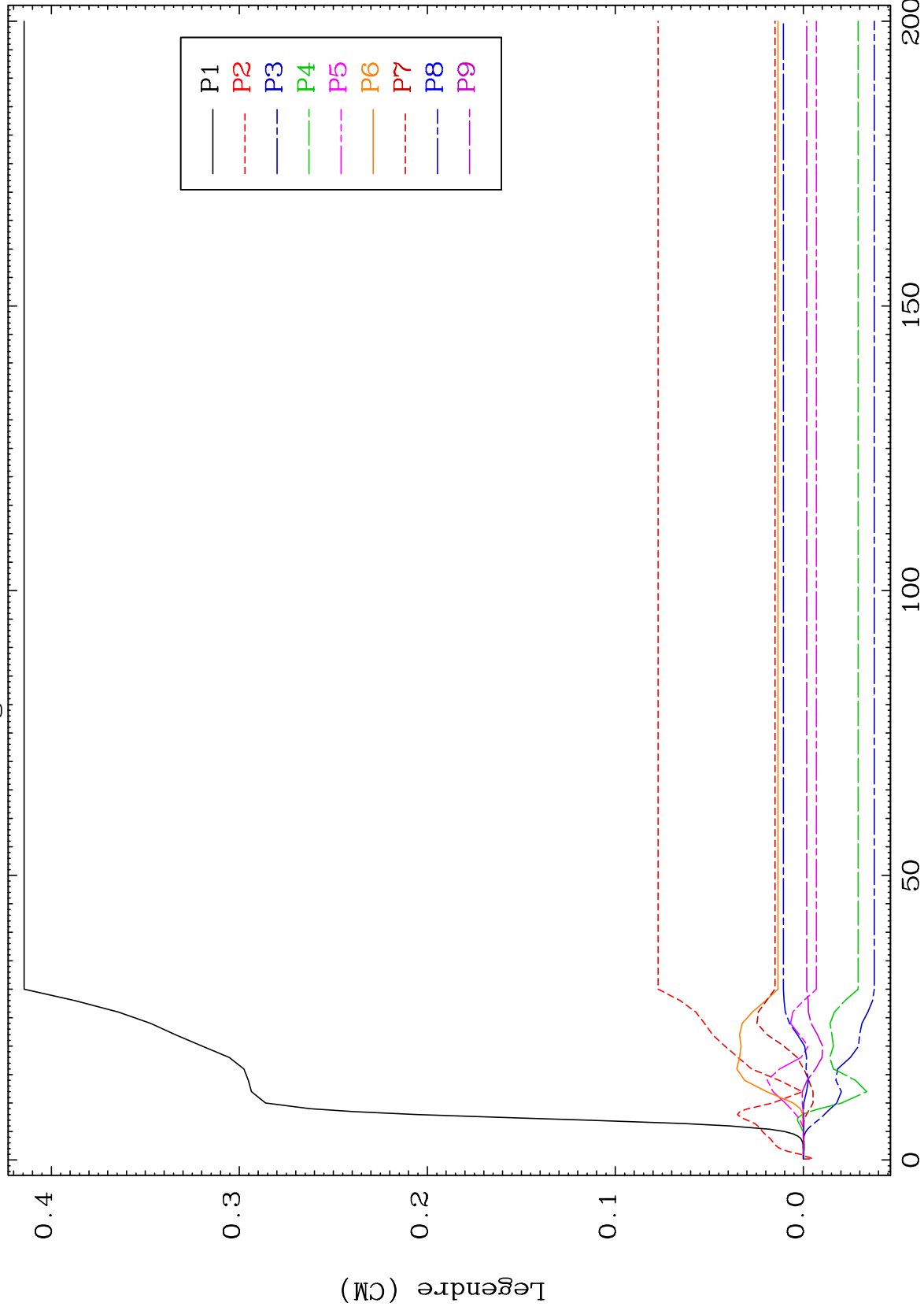
45-Rh-105



MAT 4531

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

45-Rh-105



23

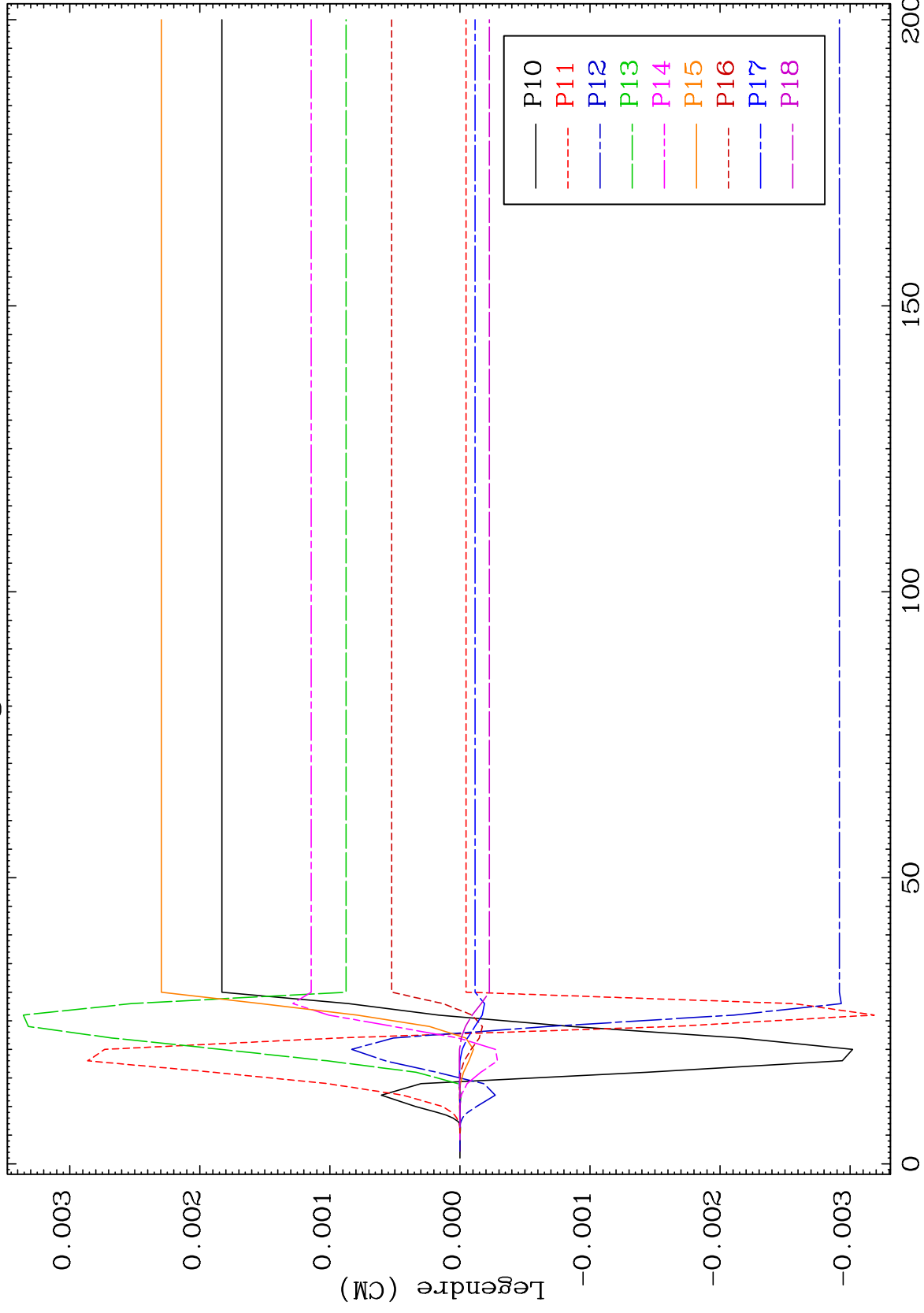
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

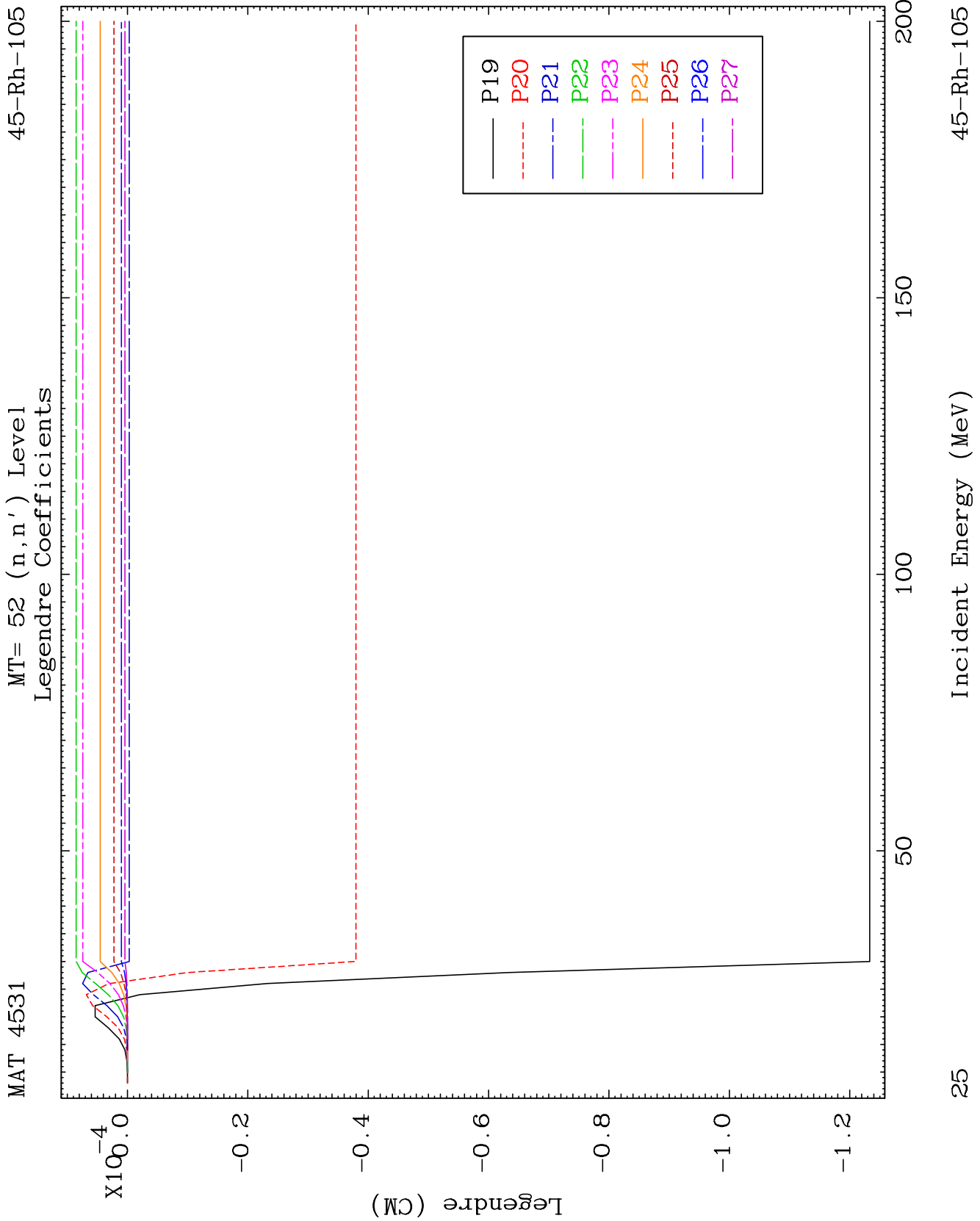
45-Rh-105



24

Incident Energy (MeV)

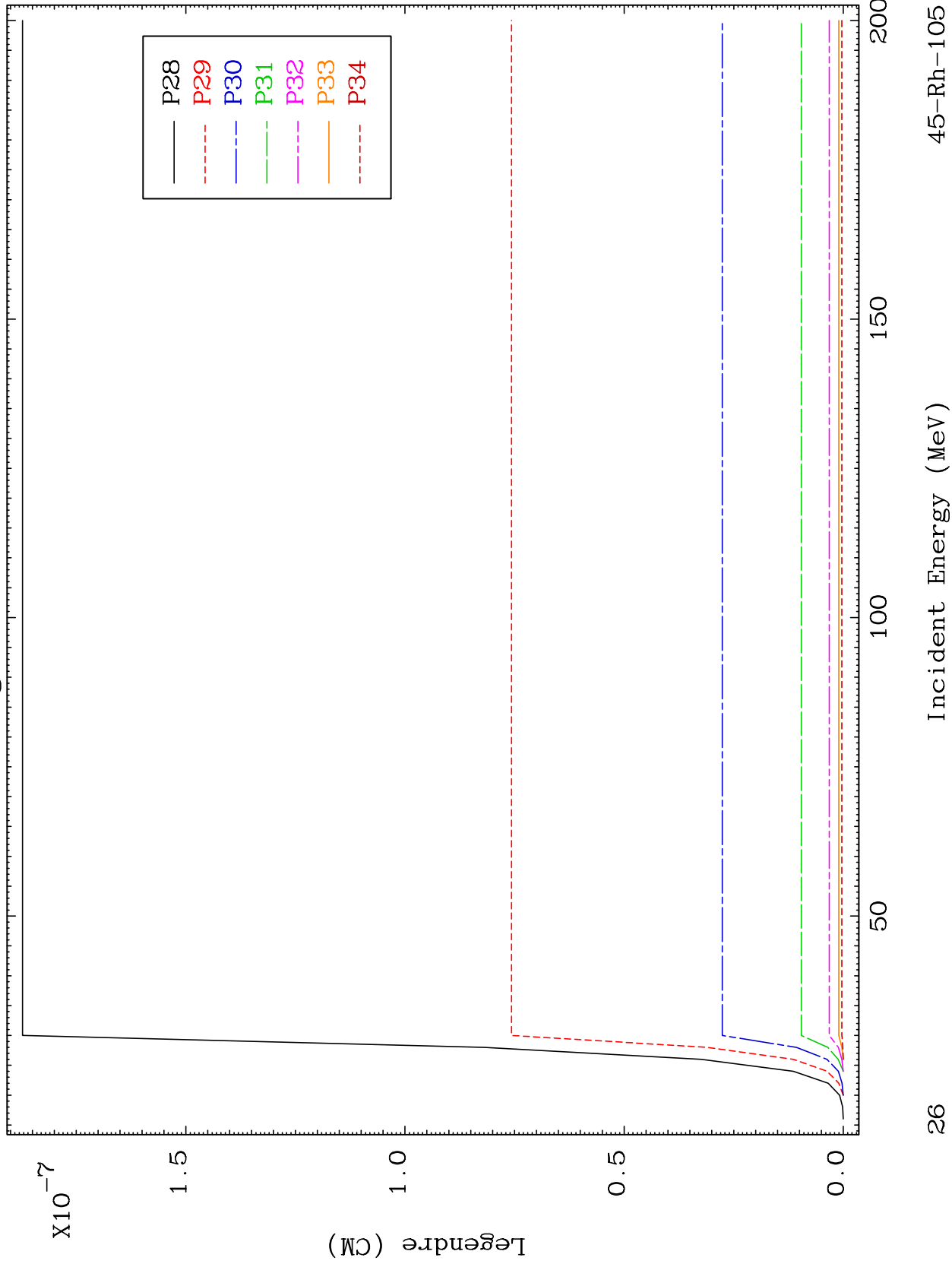
45-Rh-105



MAT 4531

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

45-Rh-105

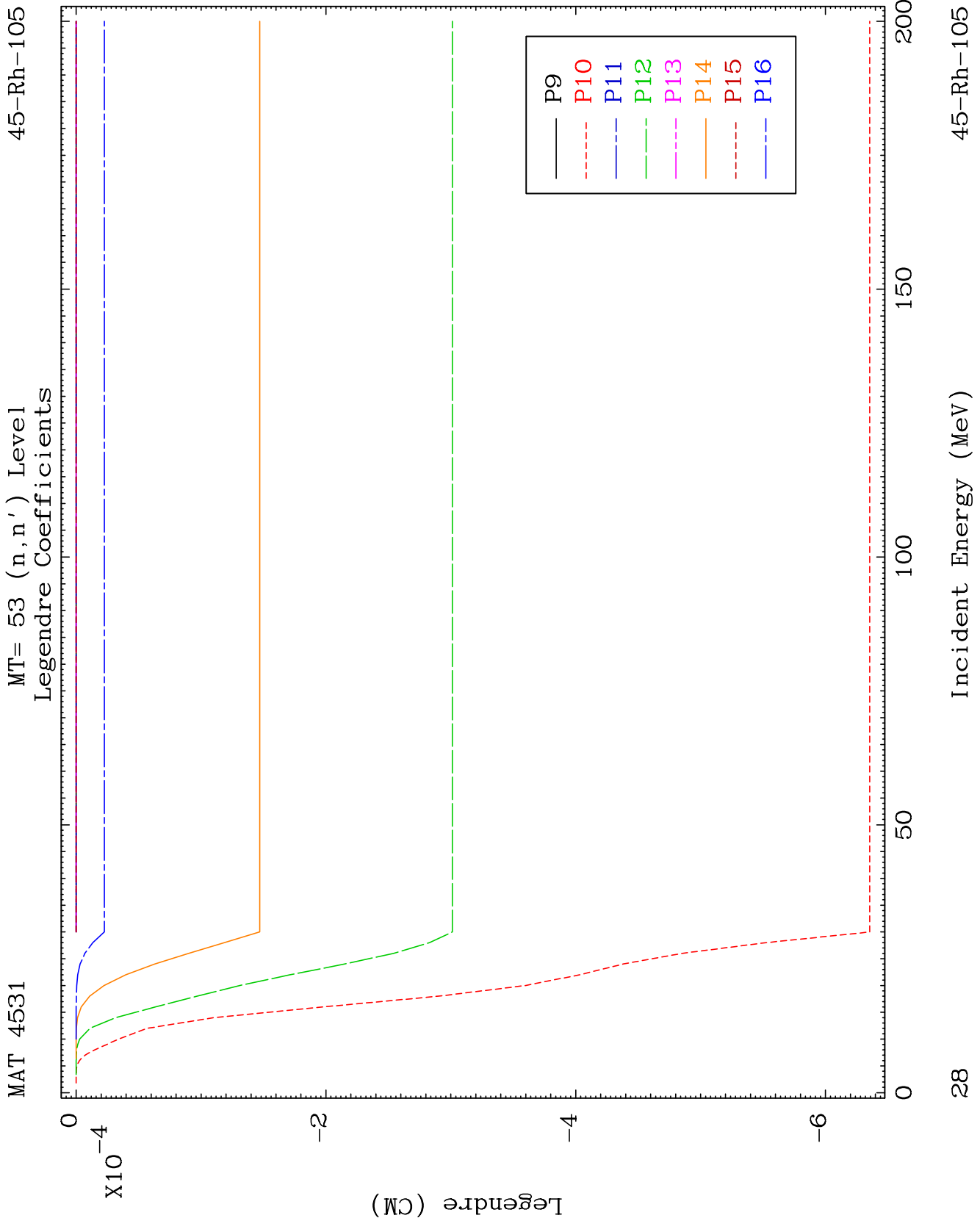


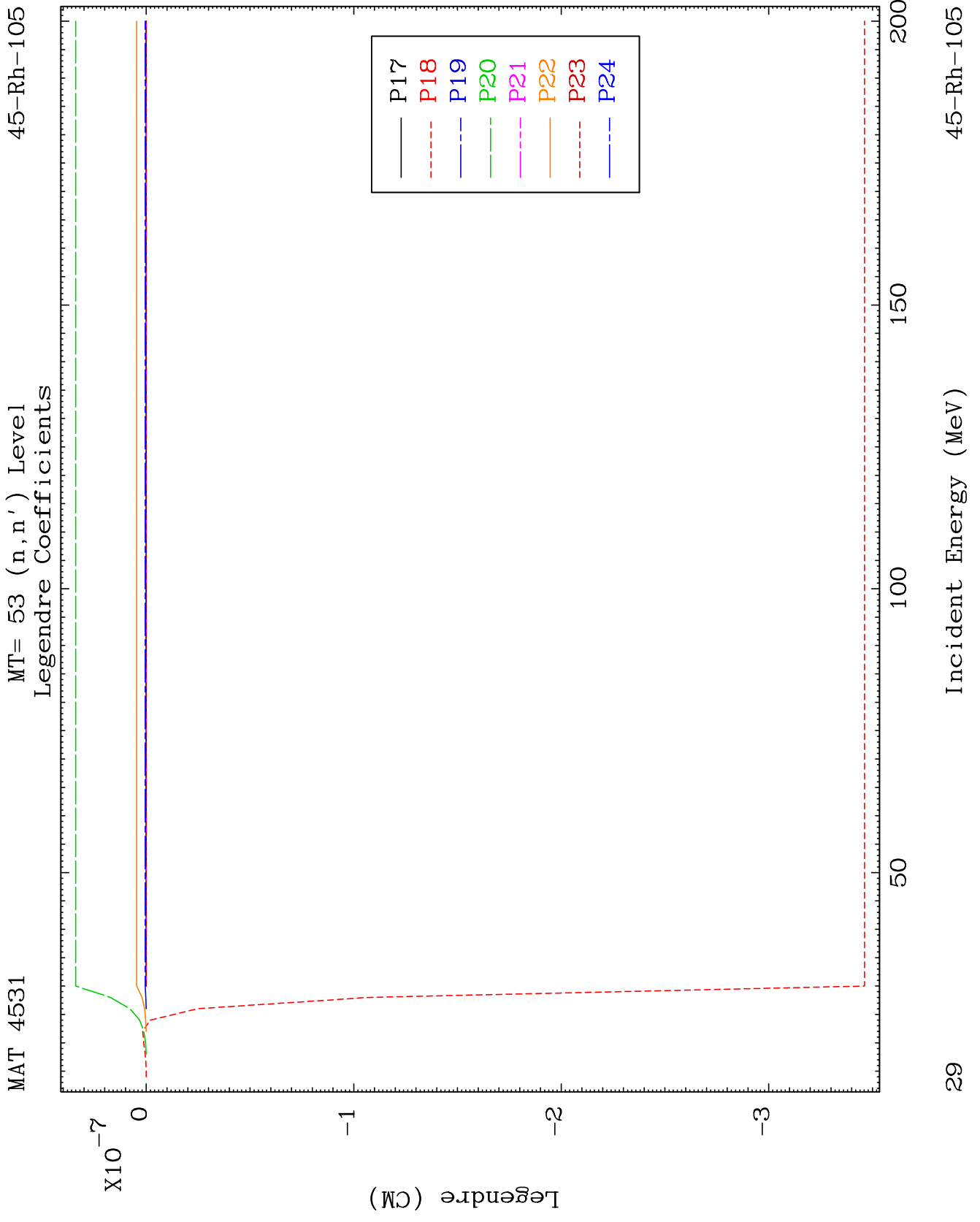
26

Incident Energy (MeV)

45-Rh-105





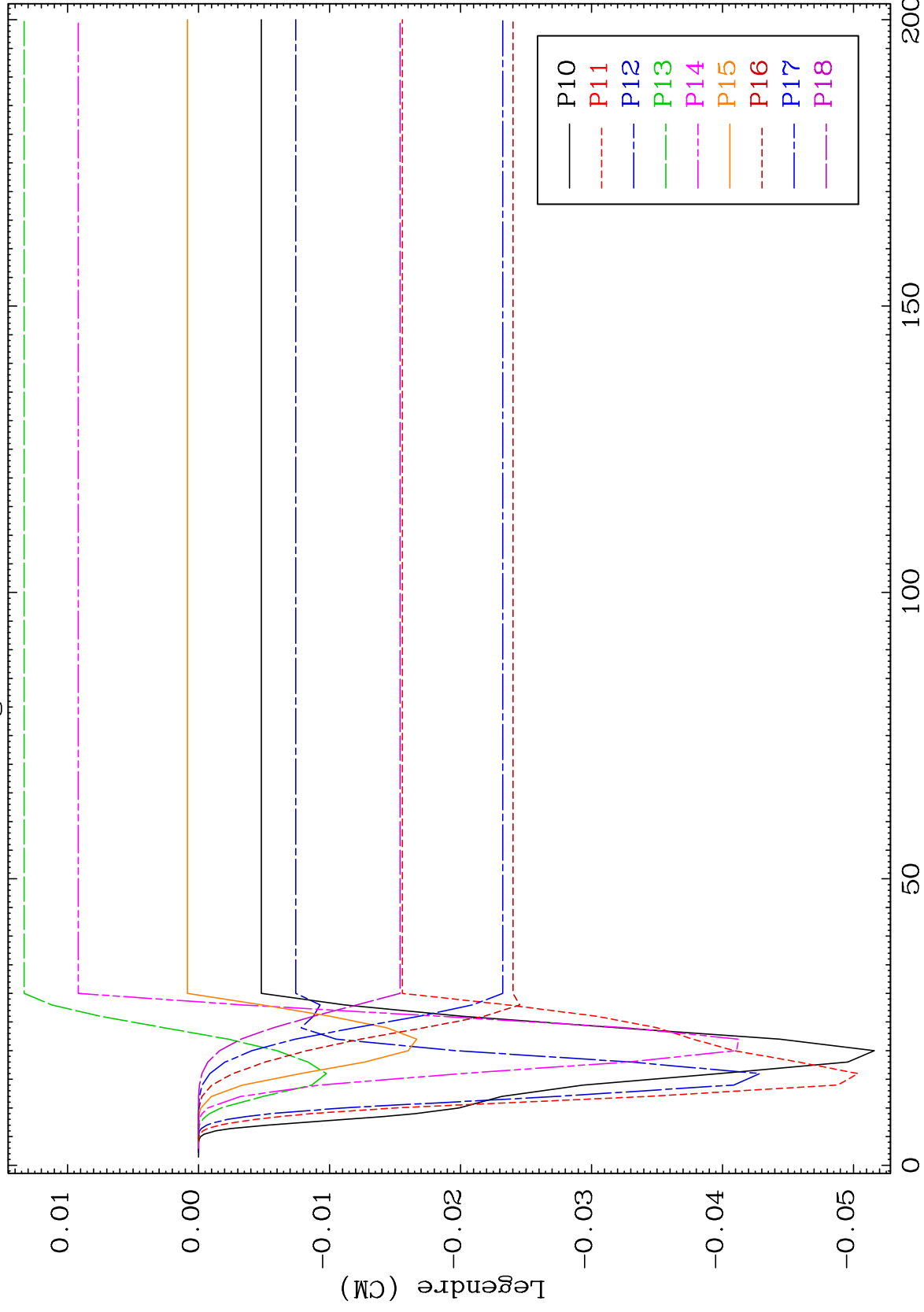




MAT 4531

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

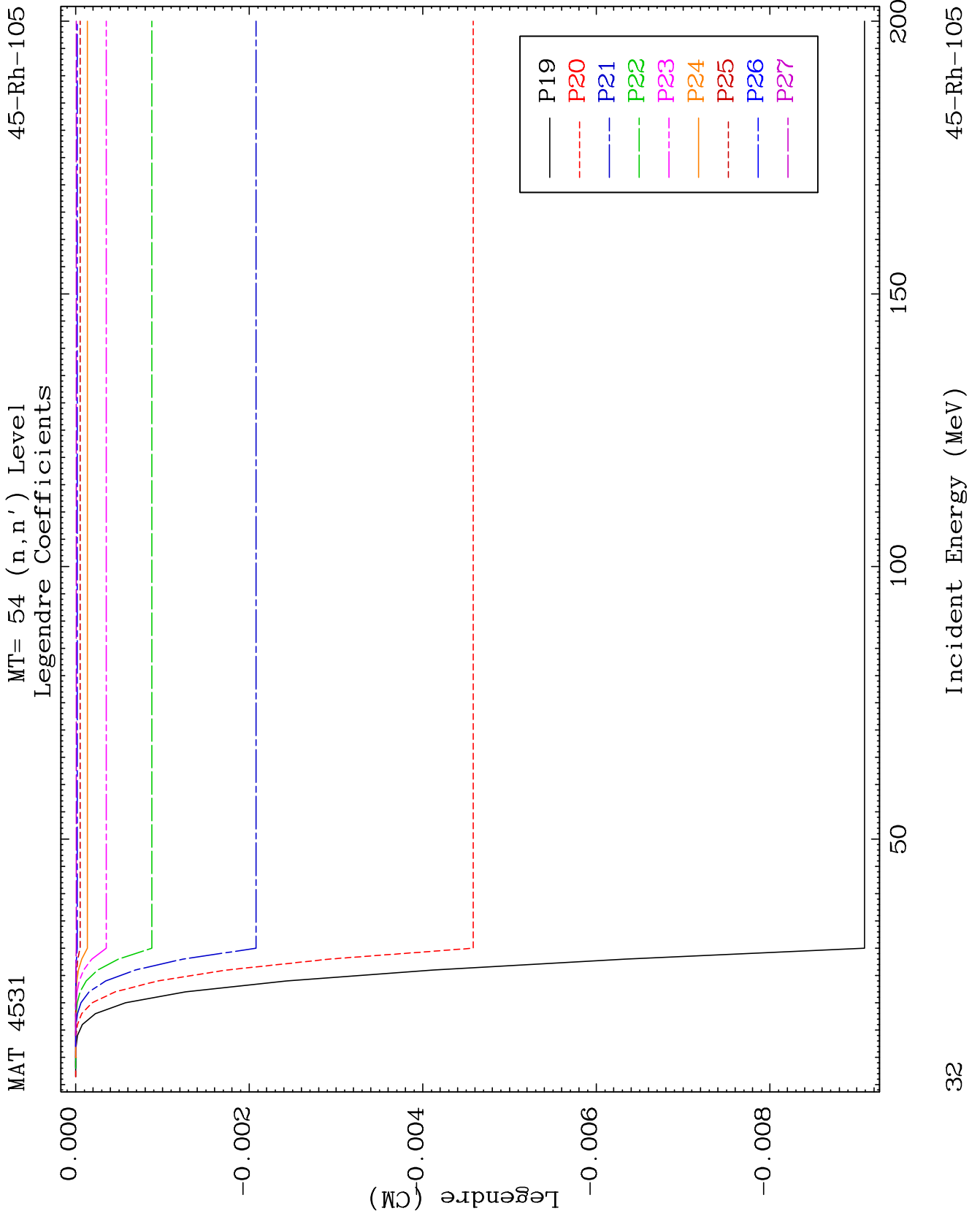
45-Rh-105

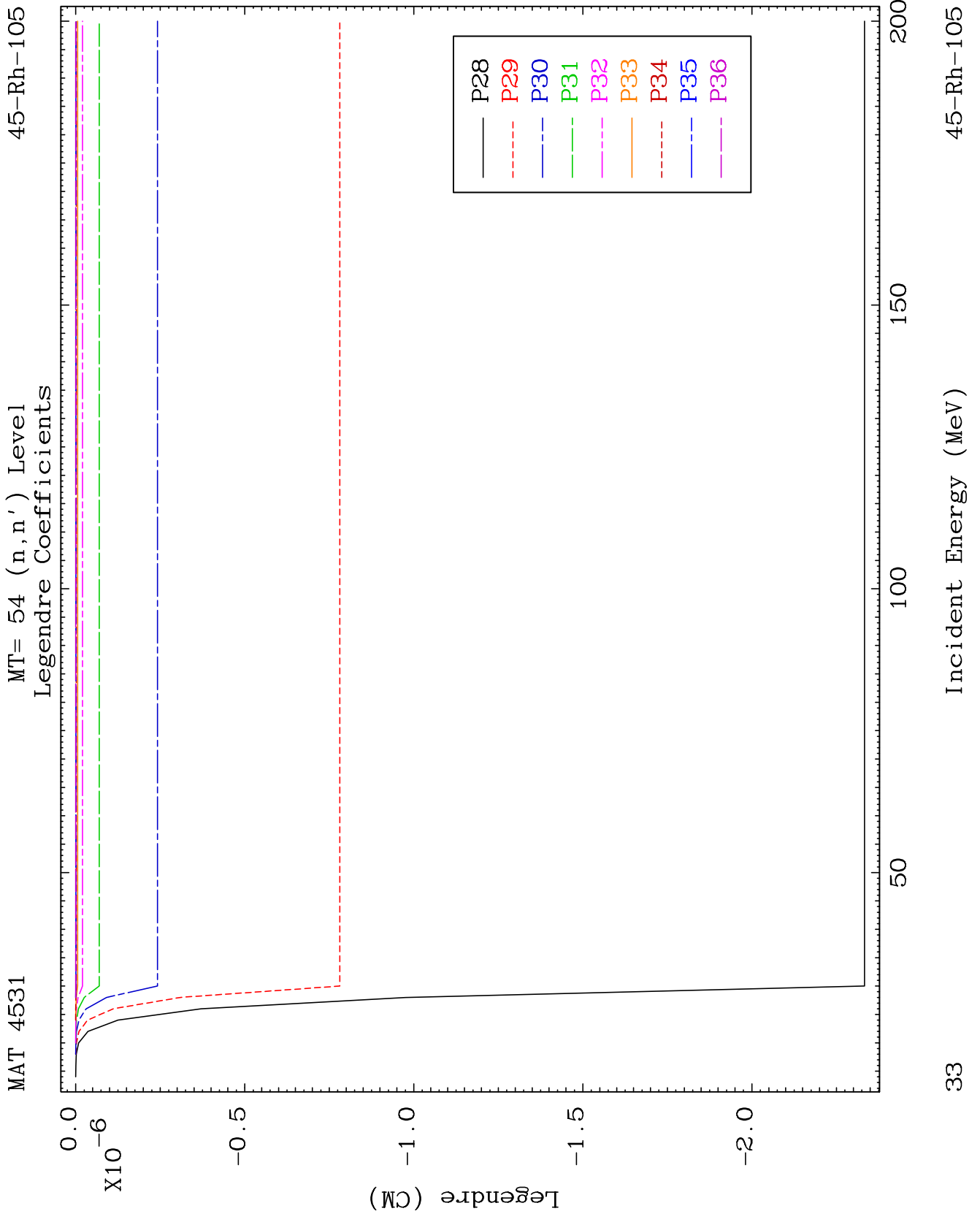


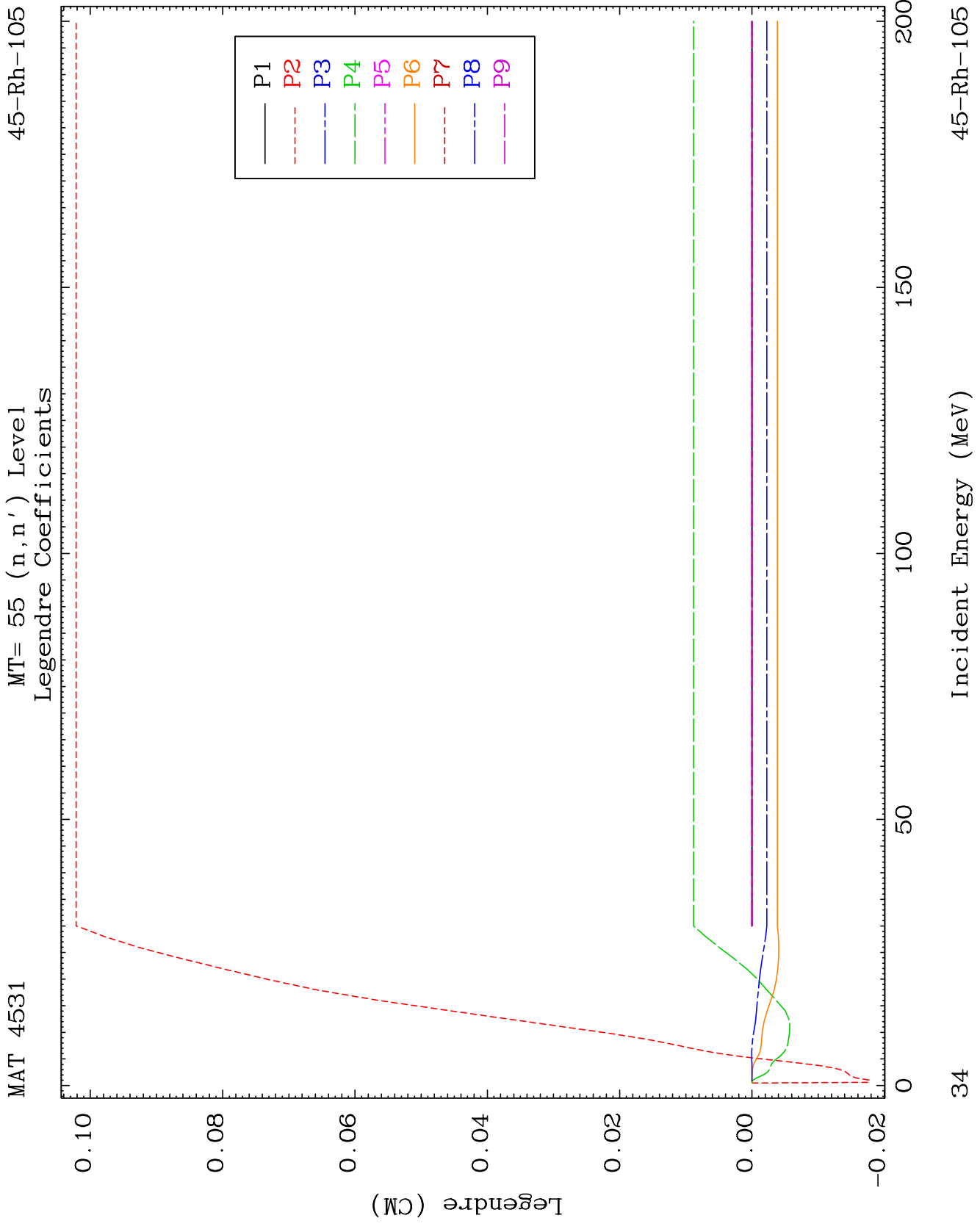
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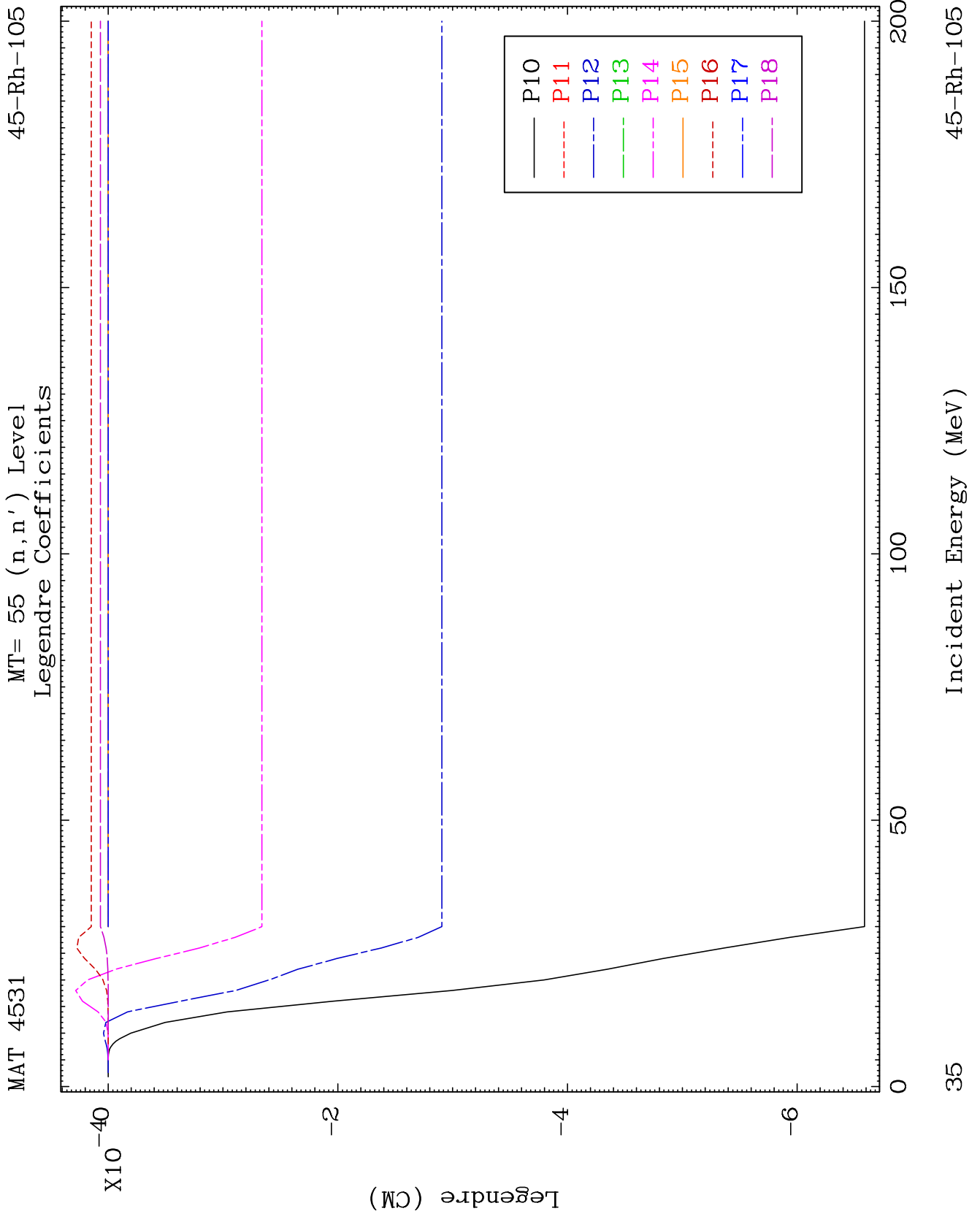
Incident Energy (MeV)

45-Rh-105









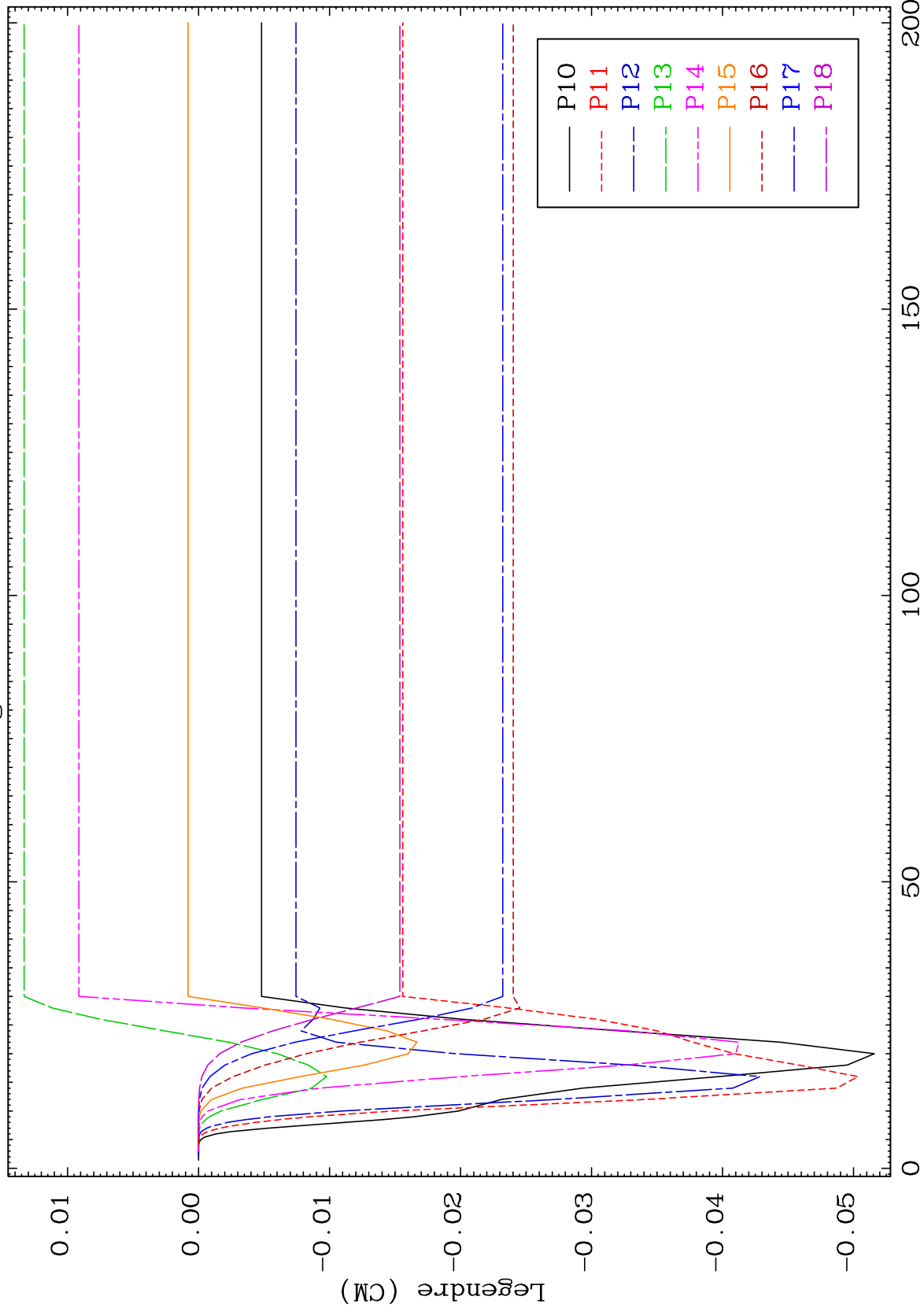




MAT 4531

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

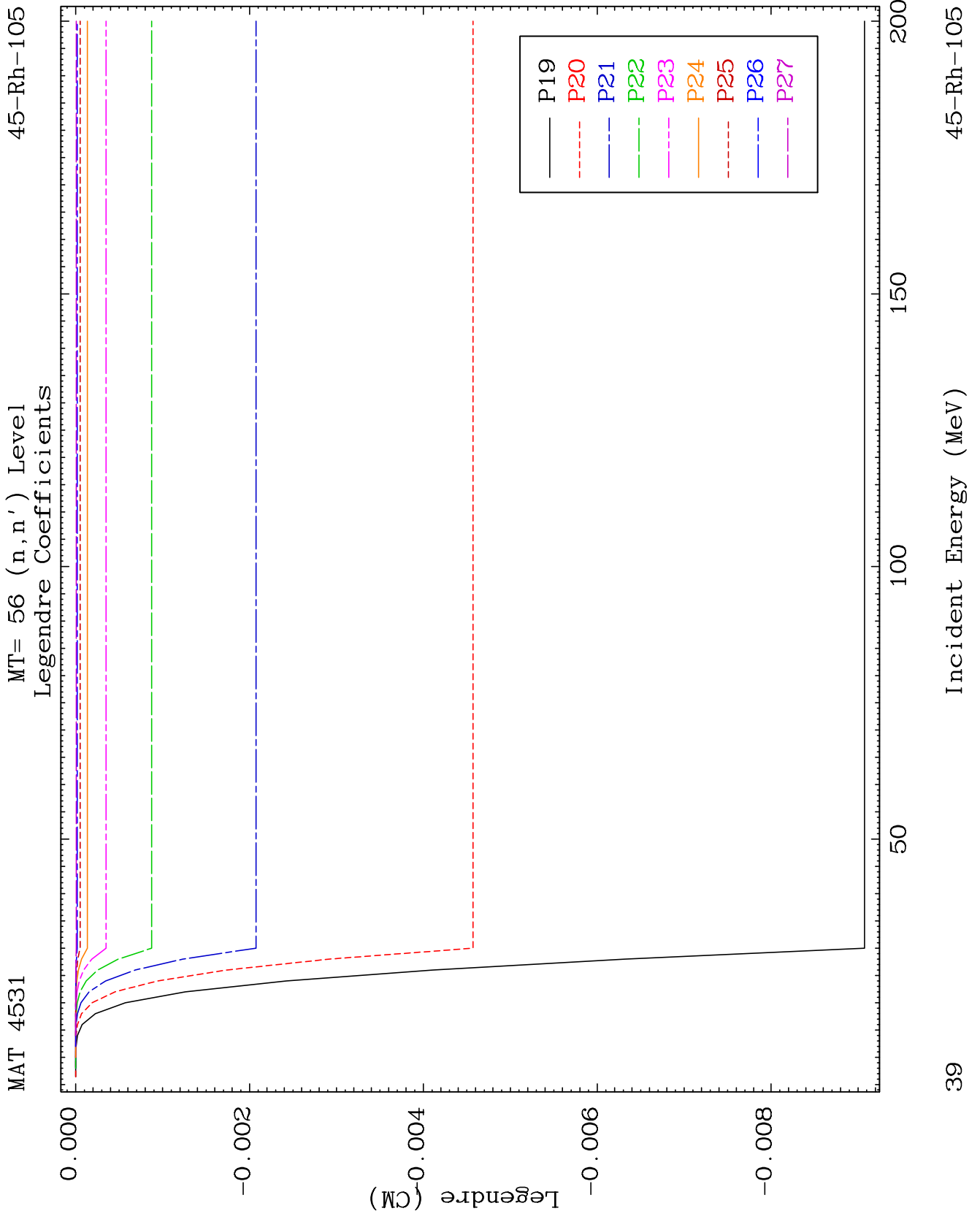
45-Rh-105

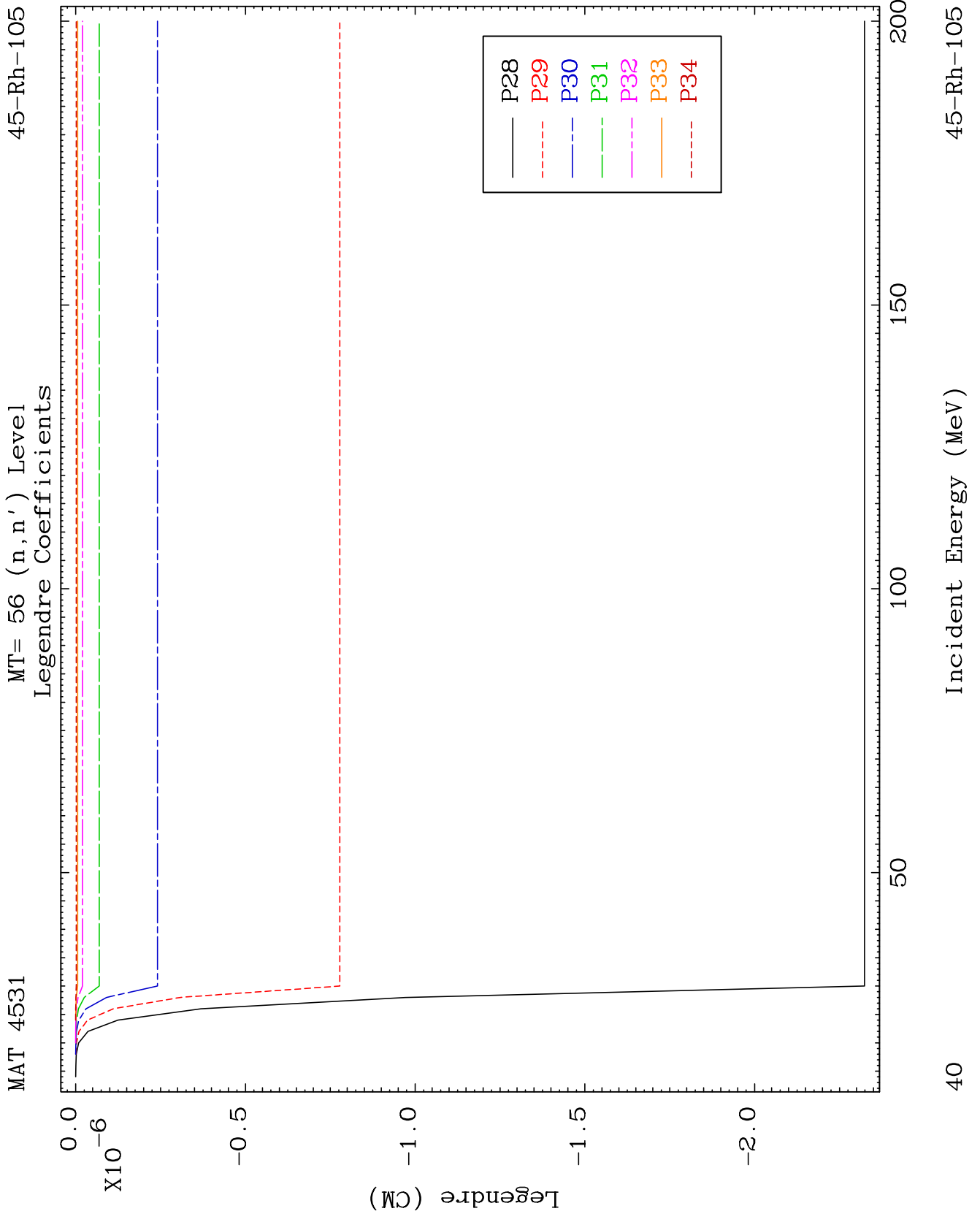


38

Incident Energy (MeV)

45-Rh-105

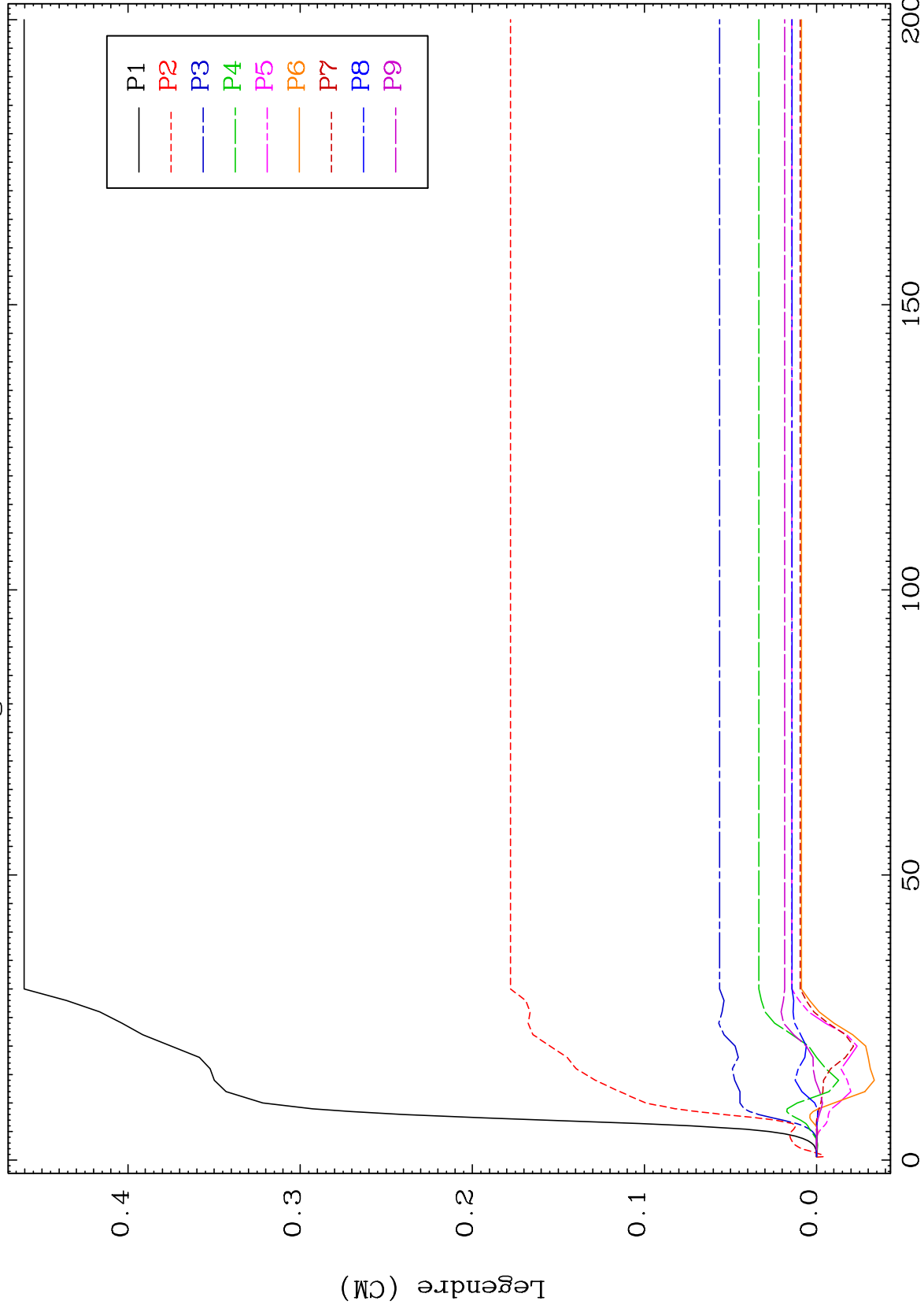




MAT 4531

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

45-Rh-105



41

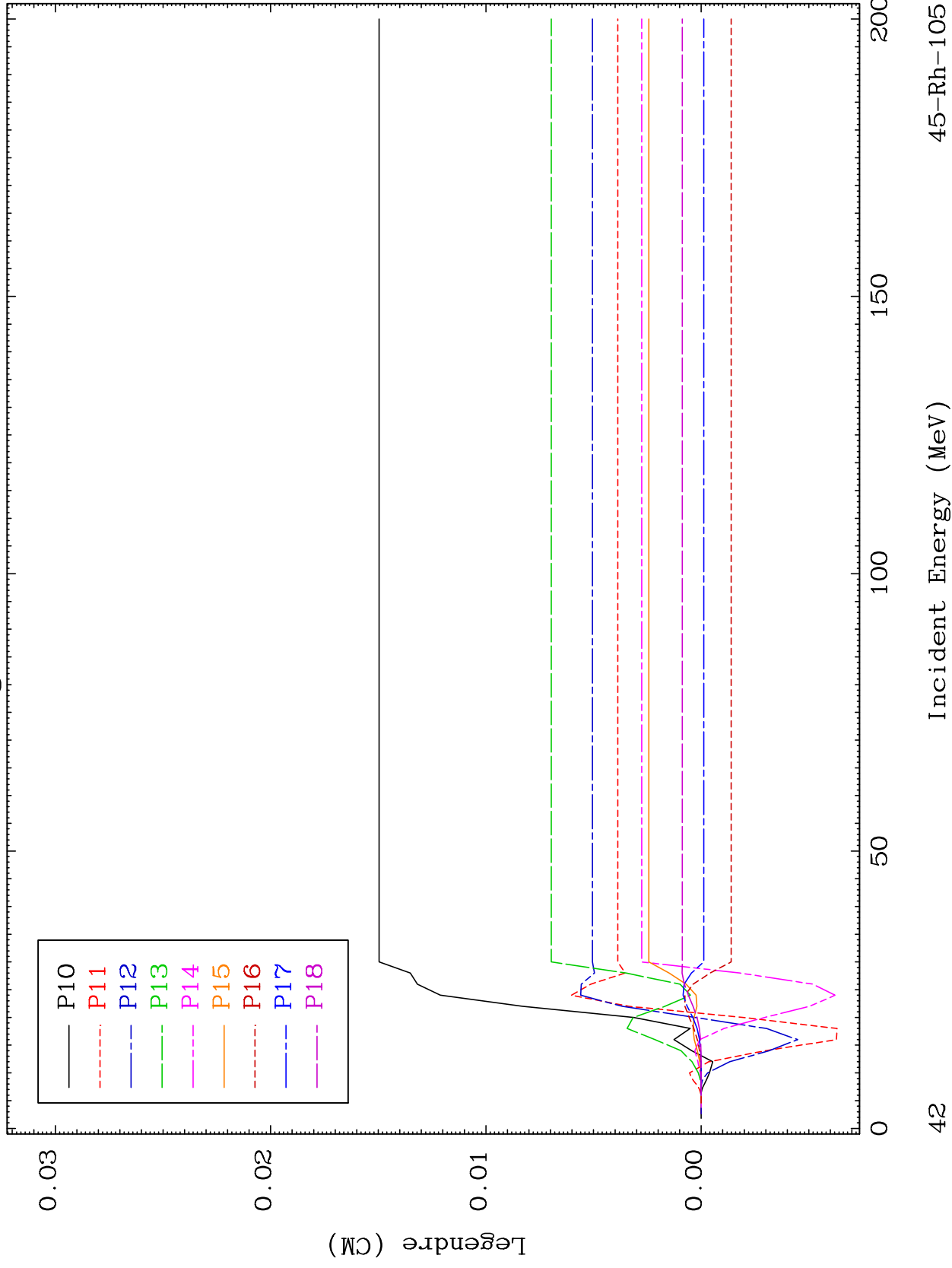
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



45-Rh-105

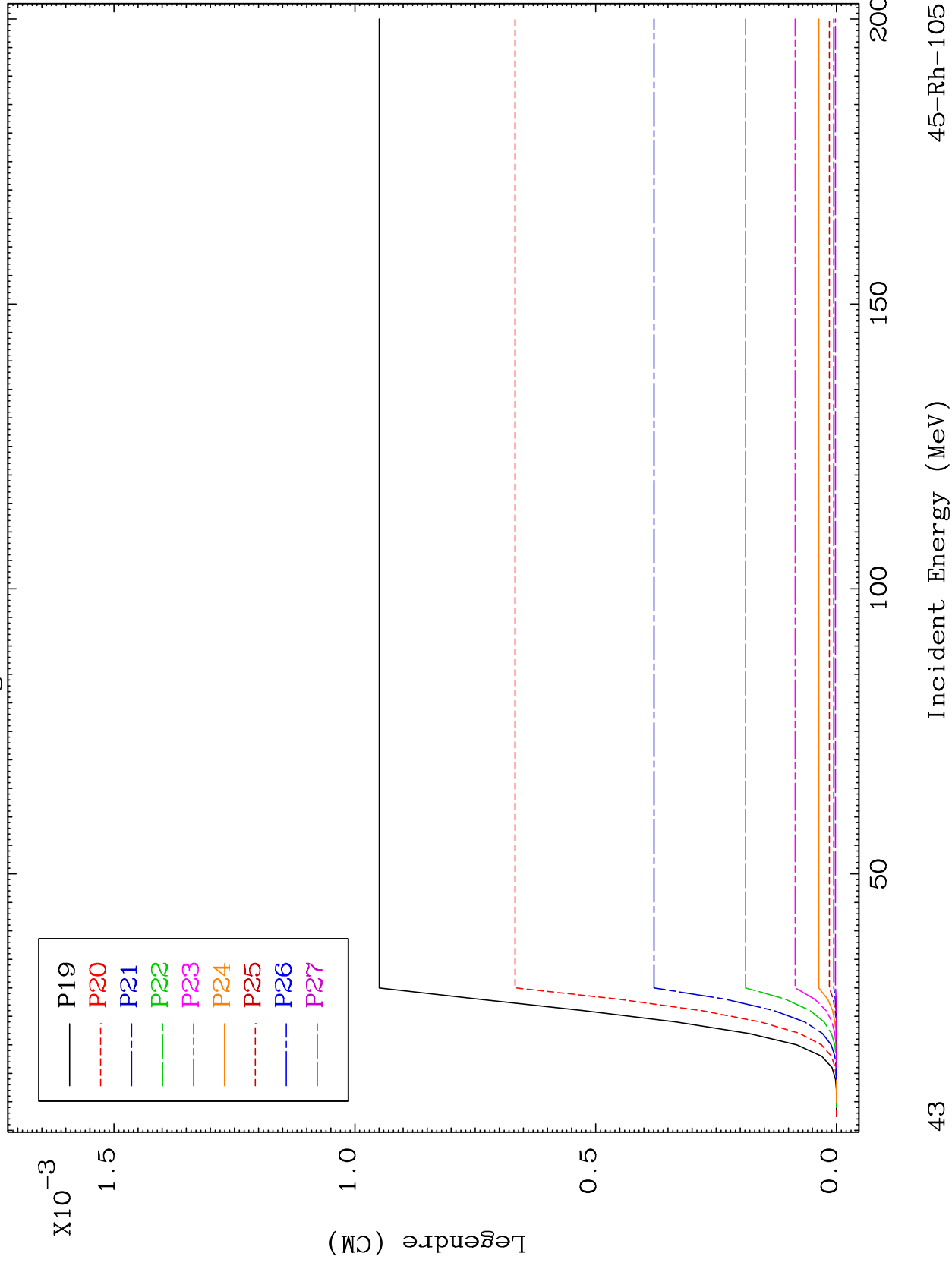
Incident Energy (MeV)

42

MAT 4531

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

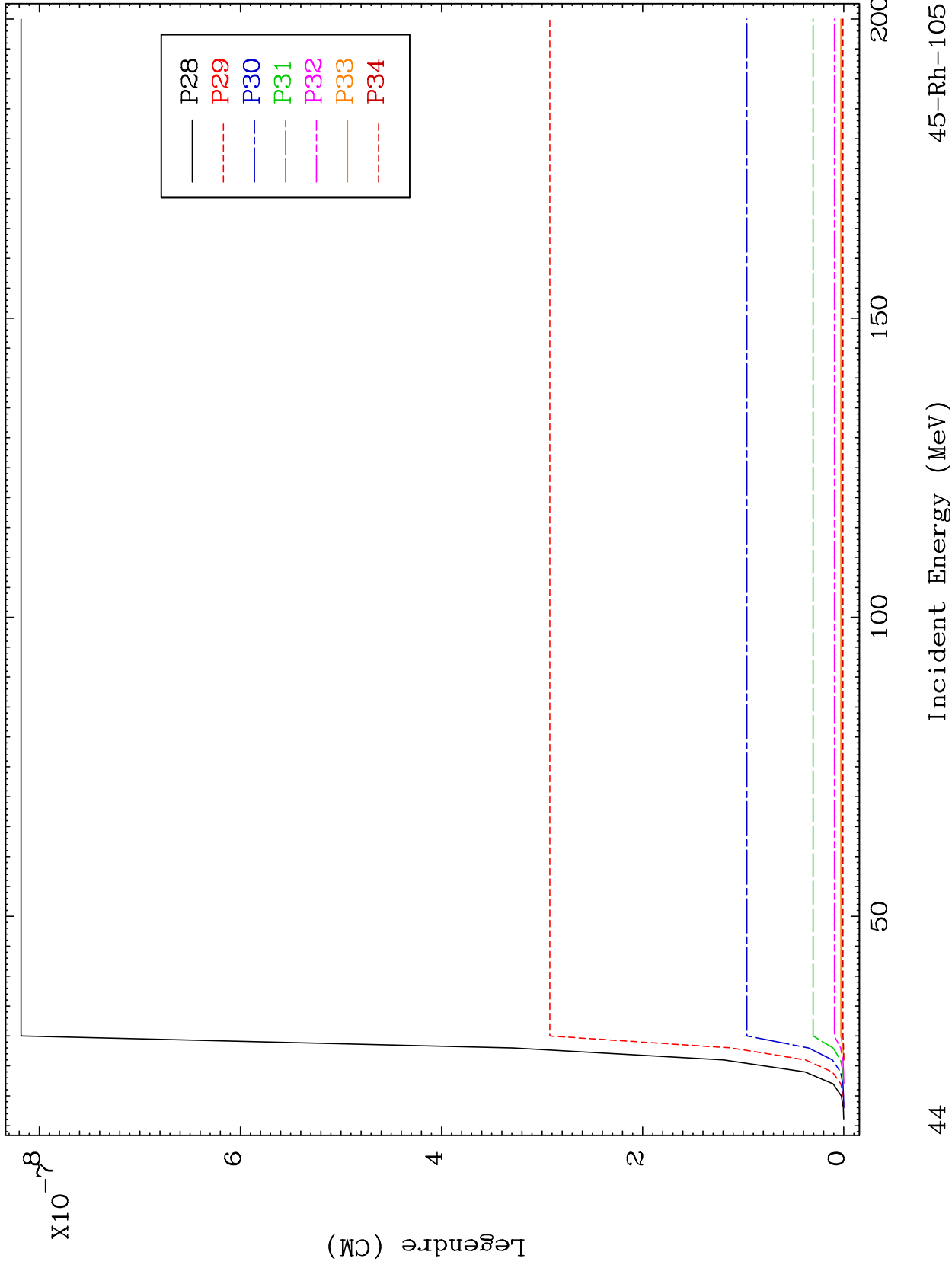
45-Rh-105



MAT 4531

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

45-Rh-105

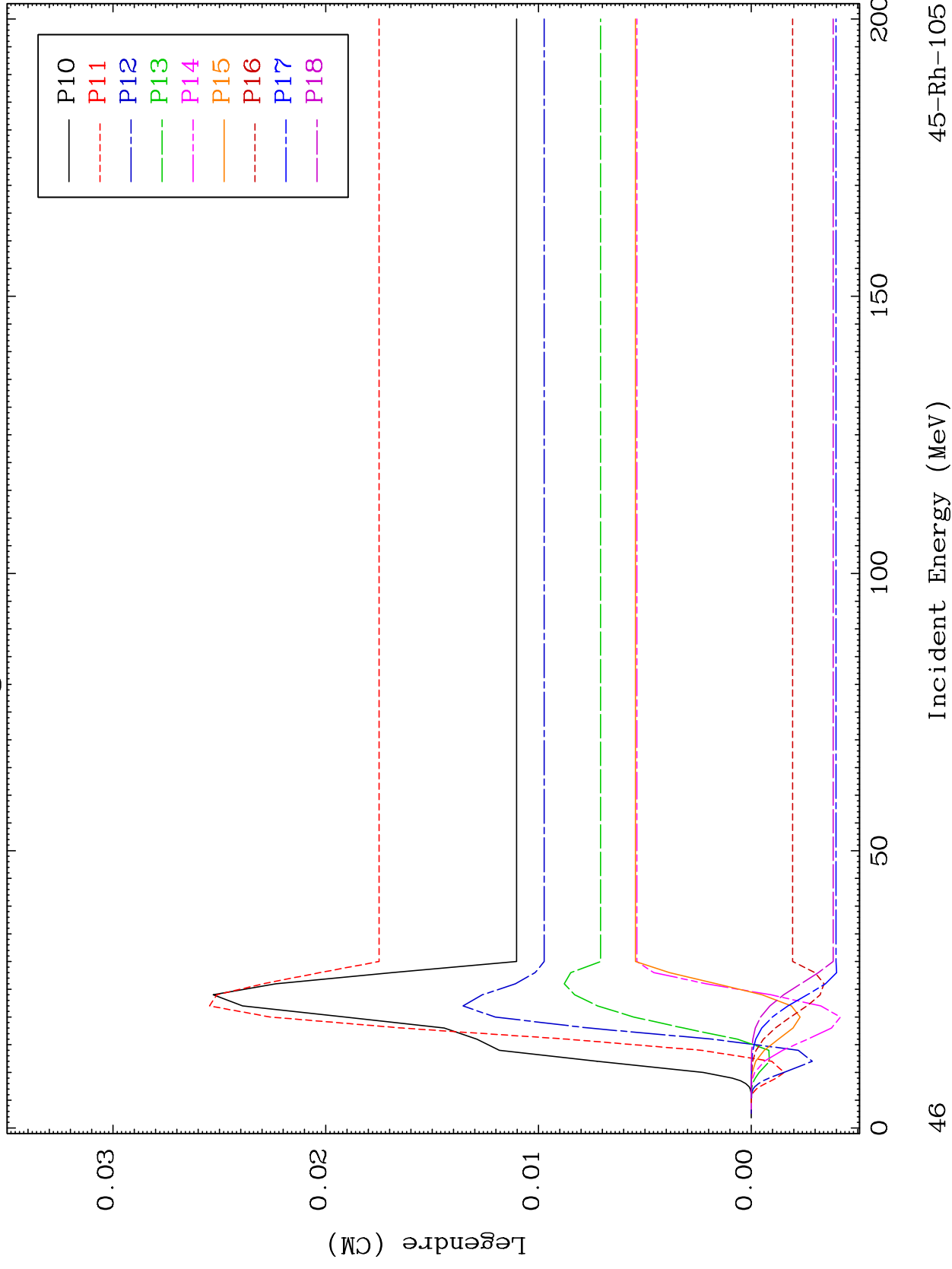




MAT 4531

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

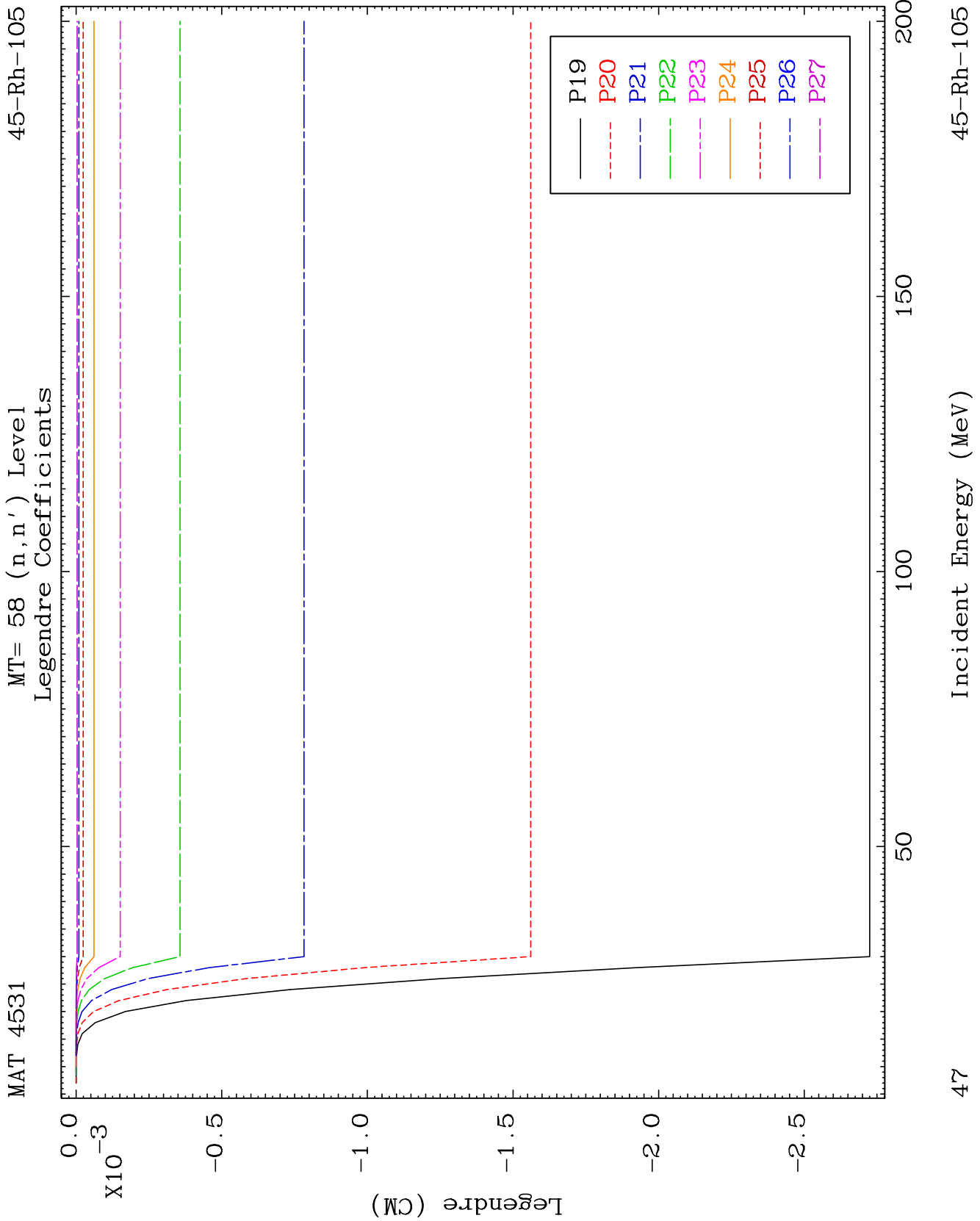
45-Rh-105

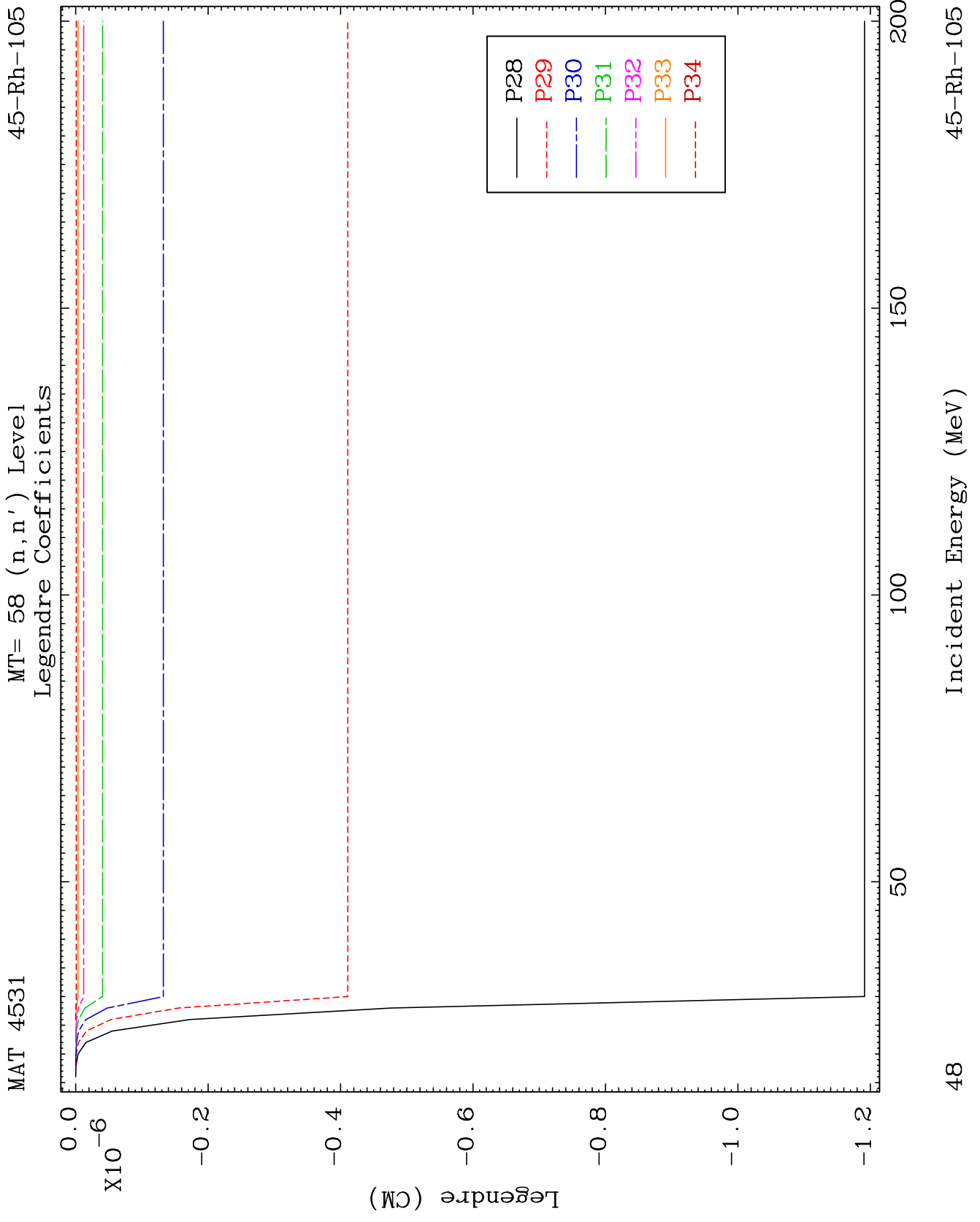


46

Incident Energy (MeV)

45-Rh-105



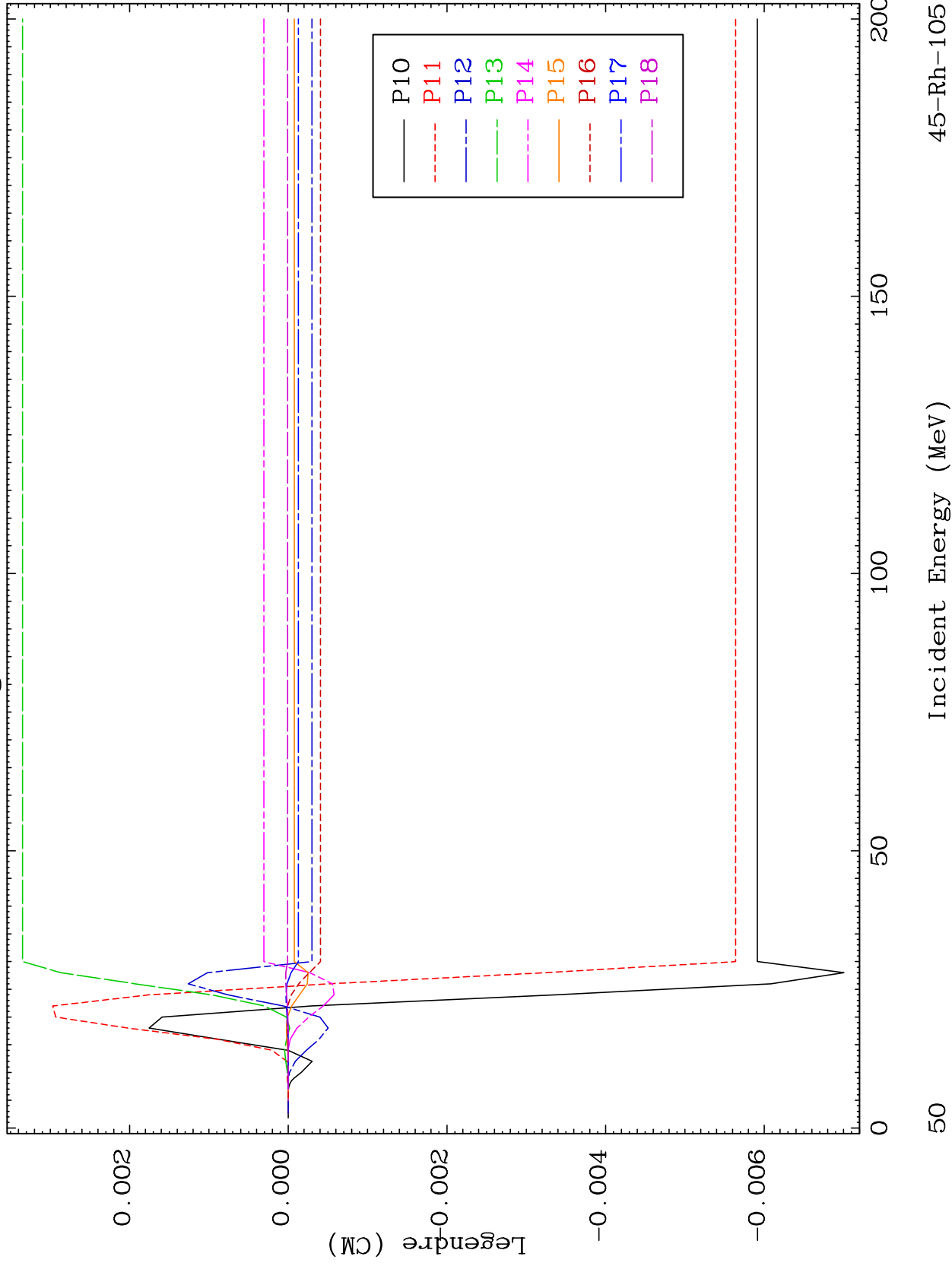




MAT 4531

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

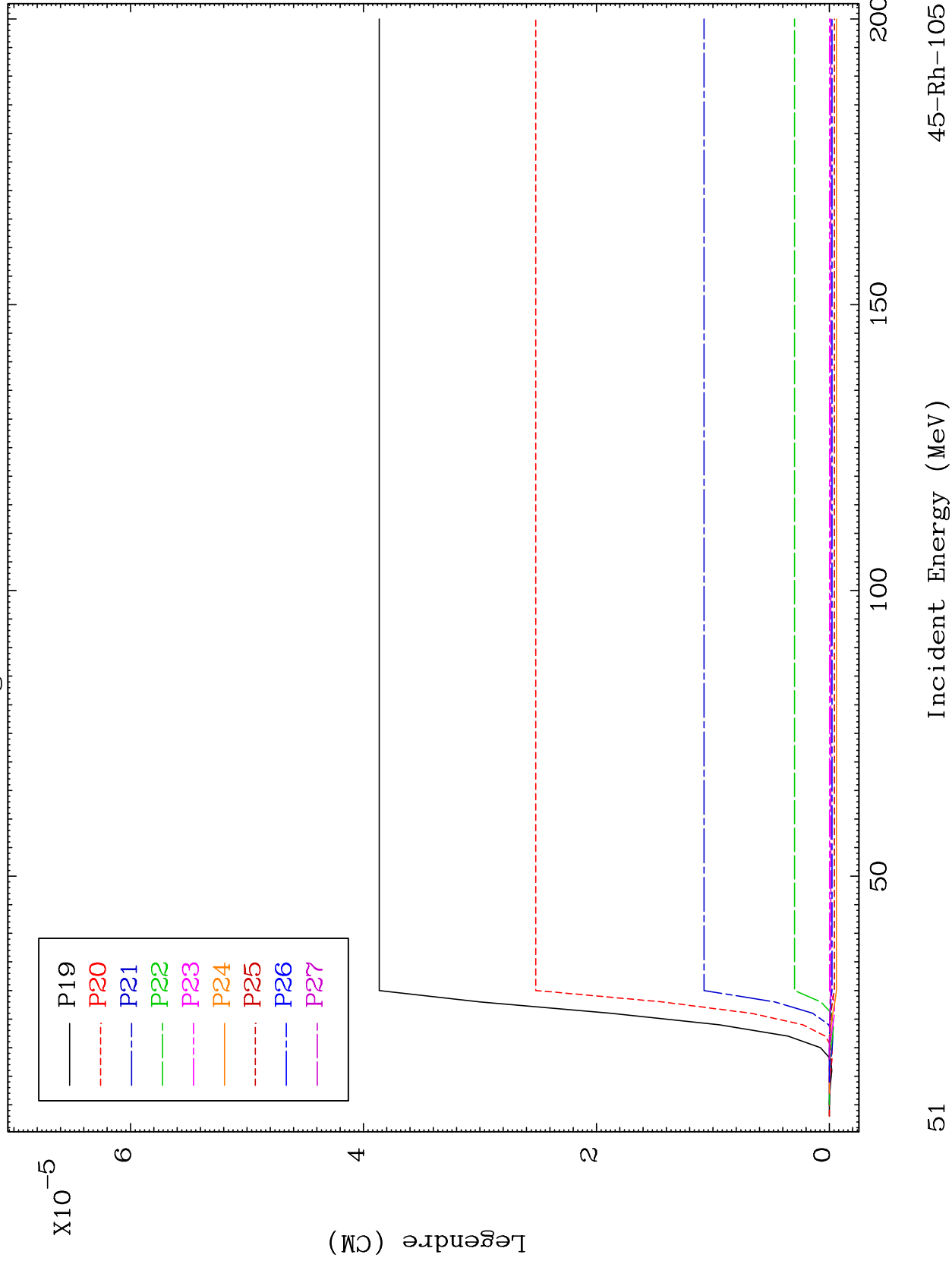
45-Rh-105



MAT 4531

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

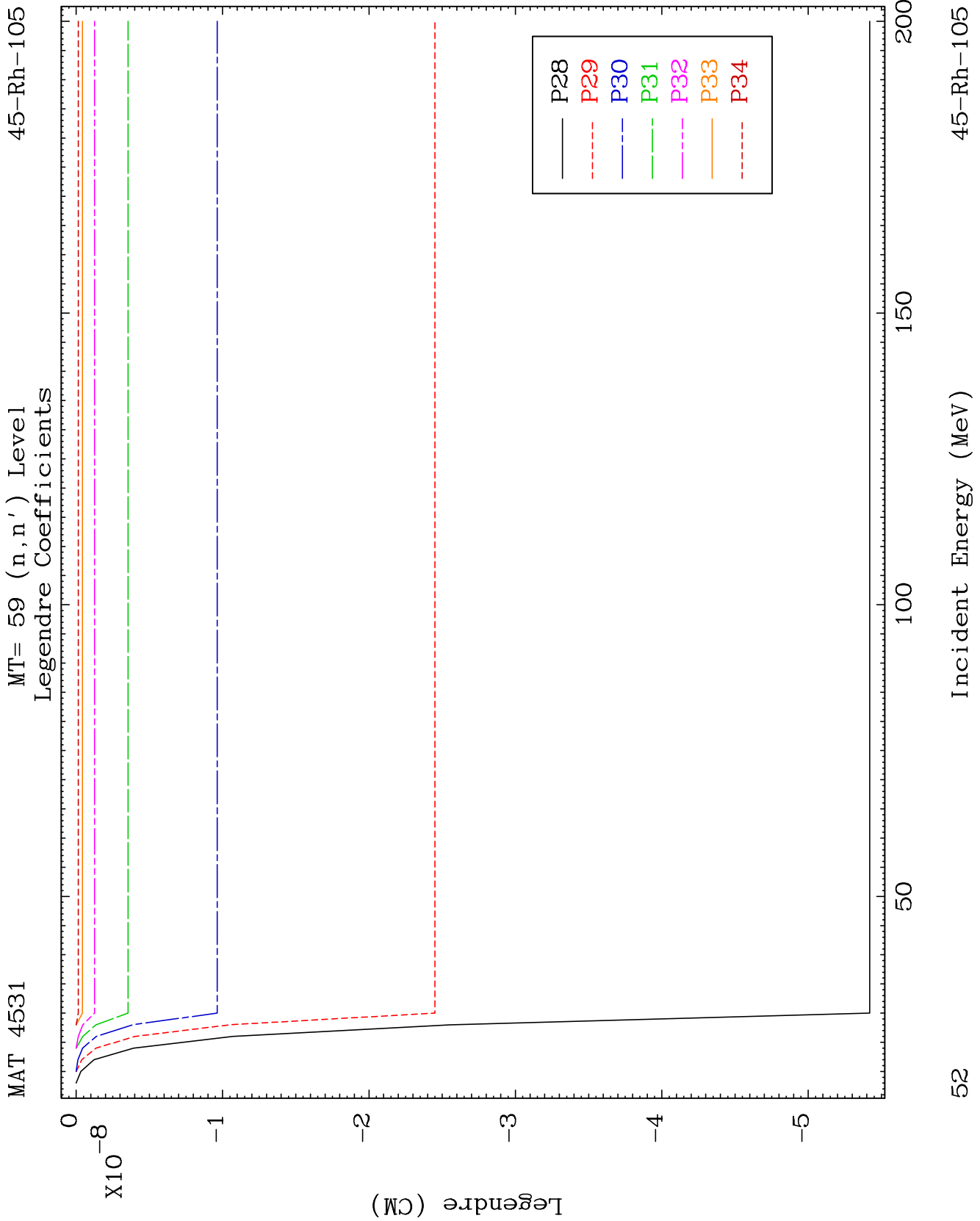
45-Rh-105

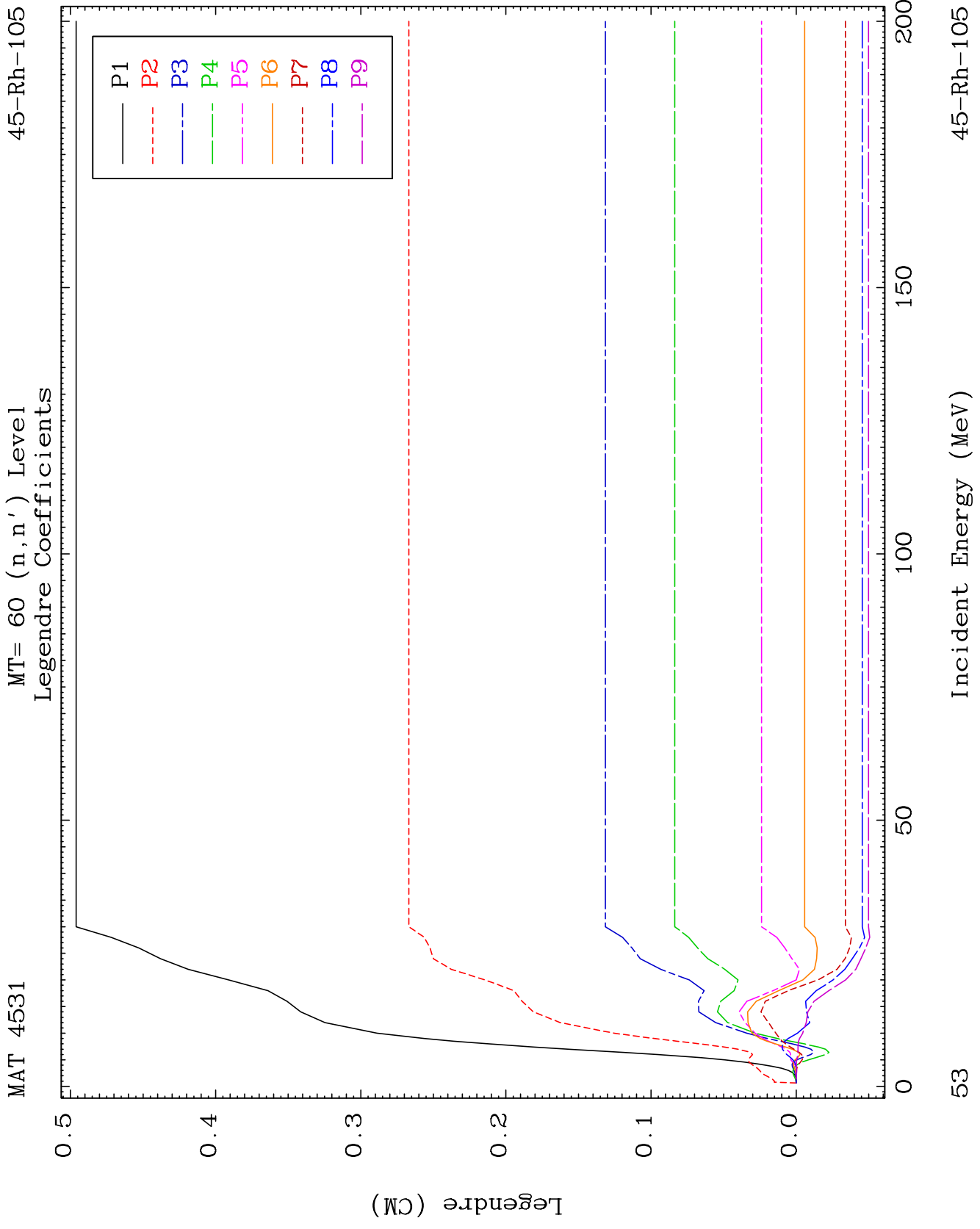


51

Incident Energy (MeV)

45-Rh-105

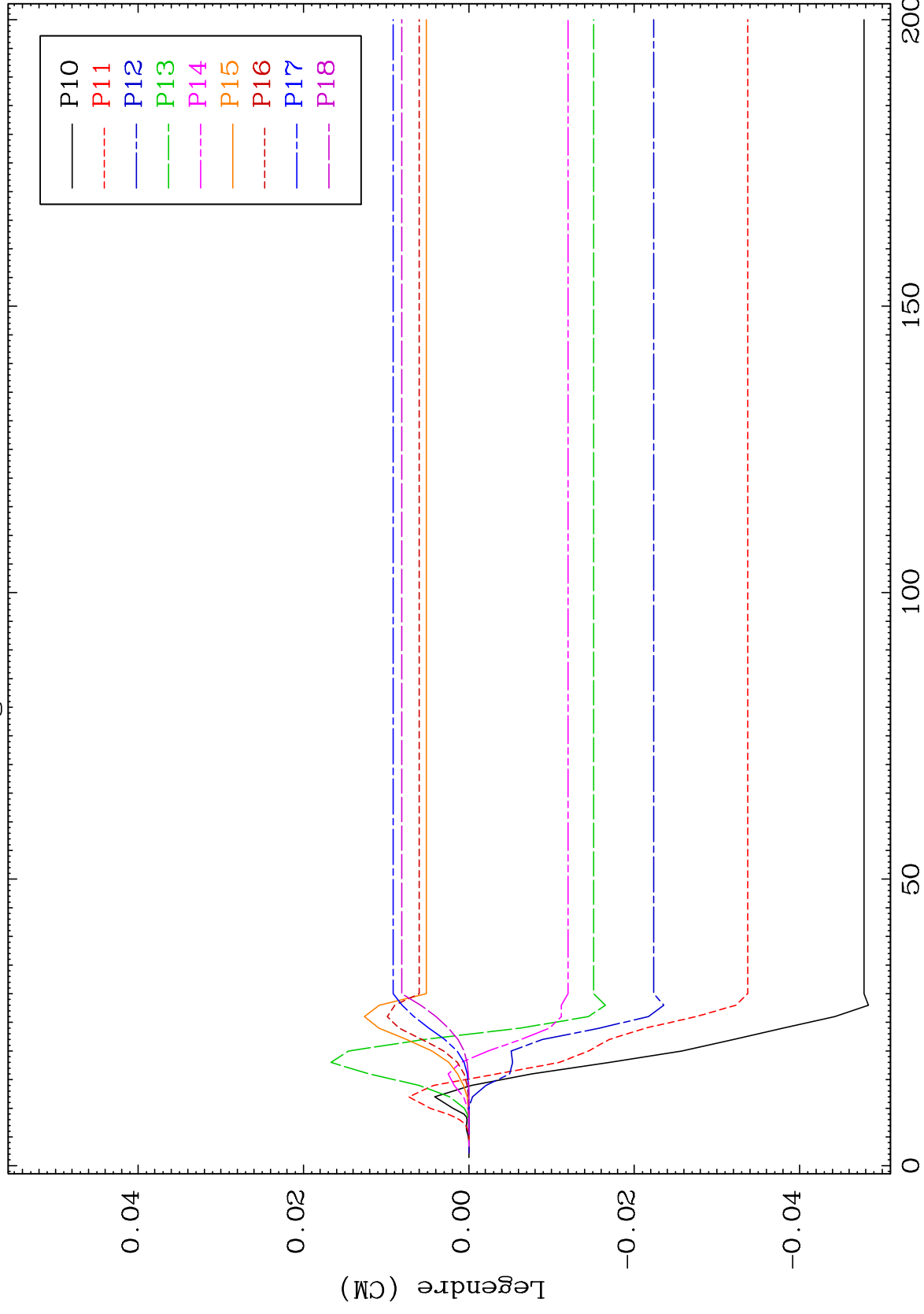




MAT 4531

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

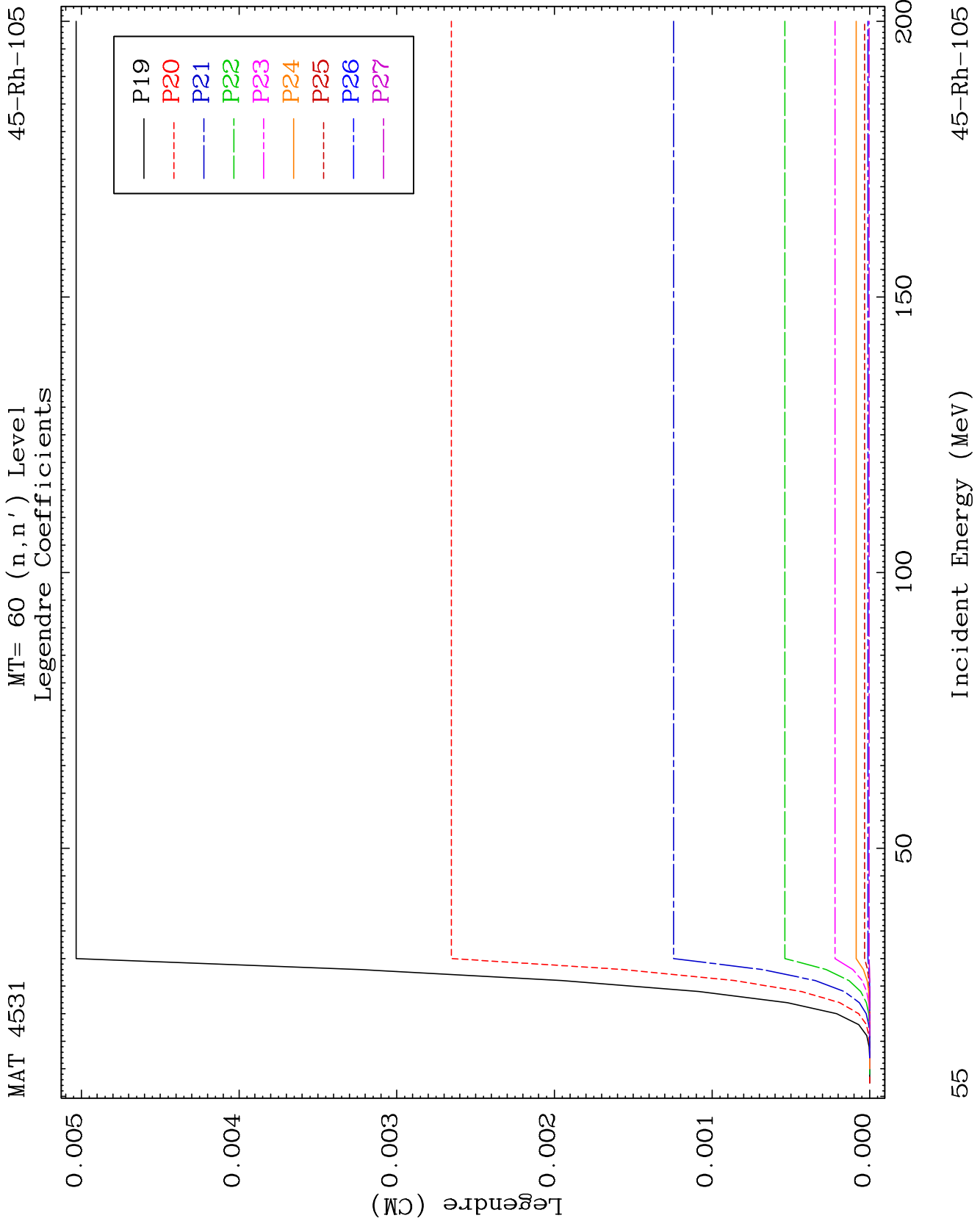
45-Rh-105



54

Incident Energy (MeV)

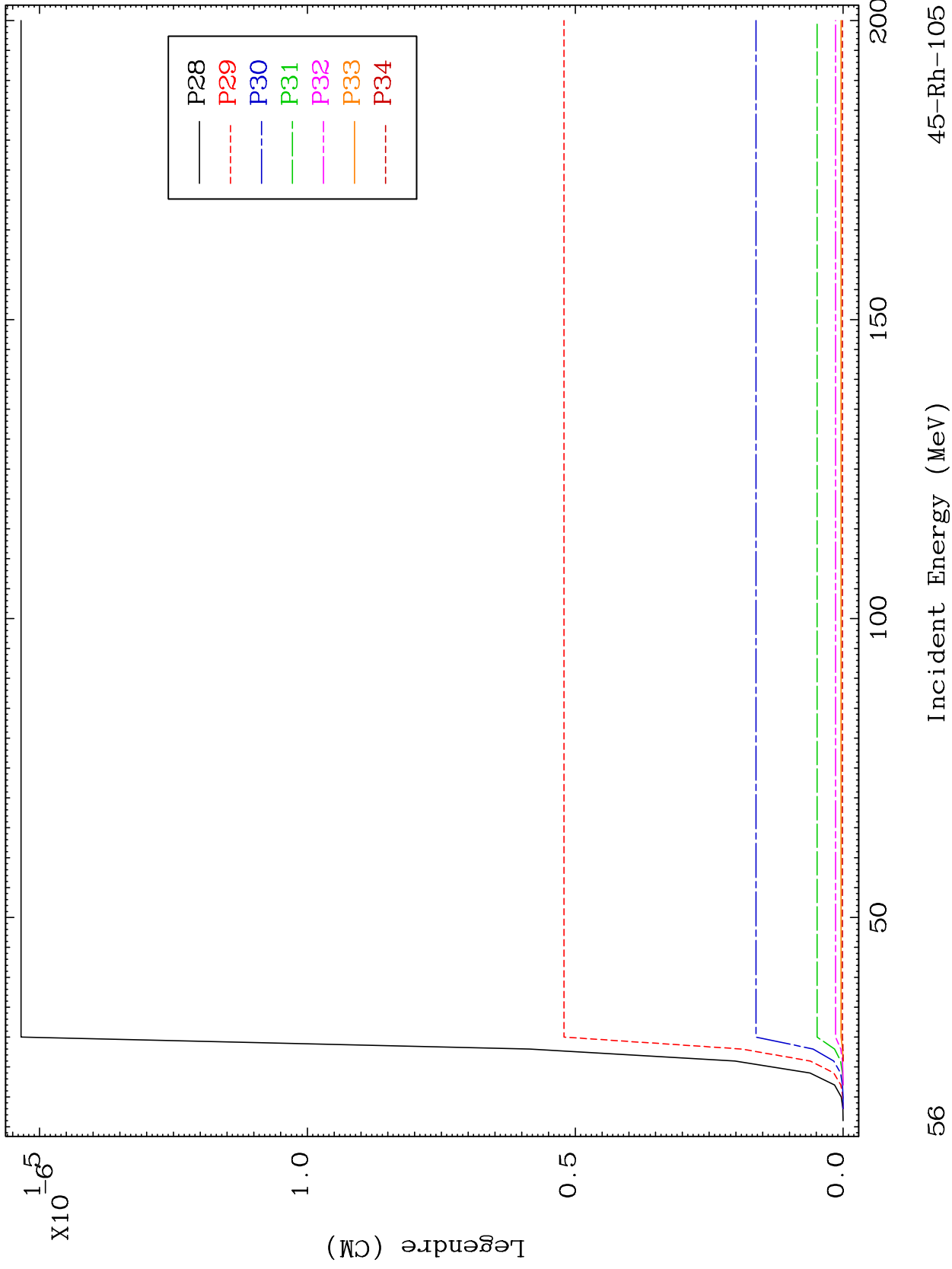
45-Rh-105



MAT 4531

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

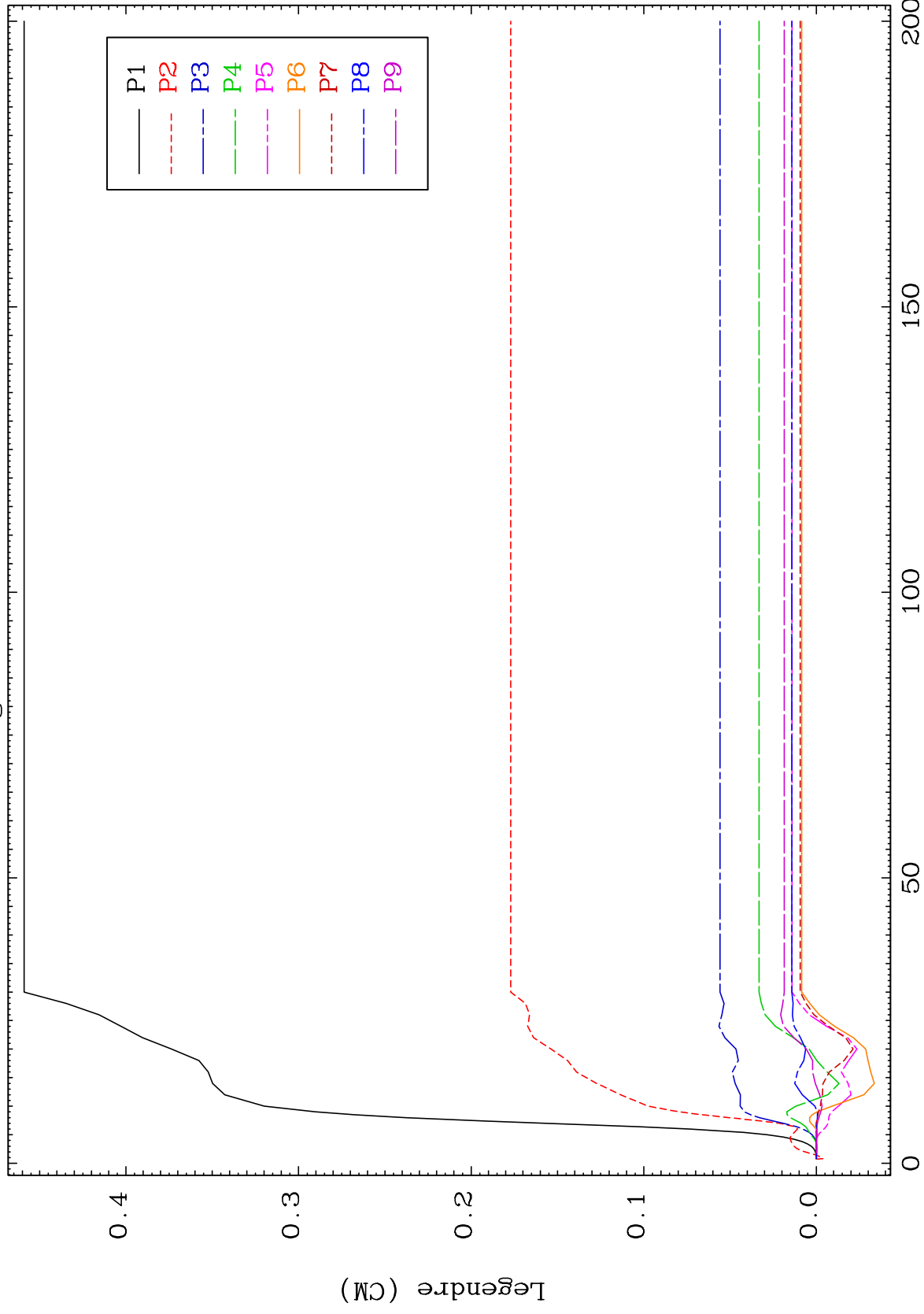
45-Rh-105



MAT 4531

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

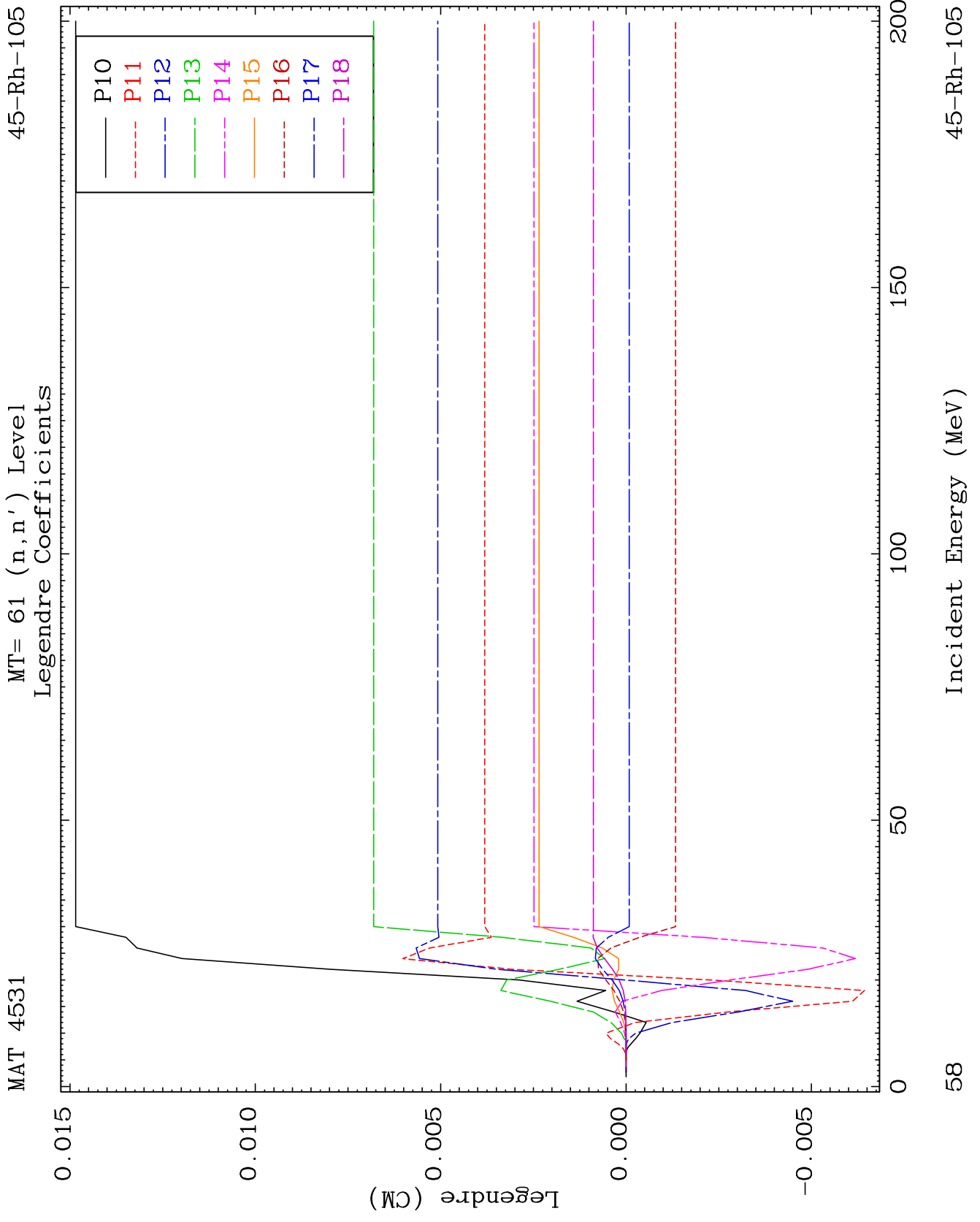
45-Rh-105



57

Incident Energy (MeV)

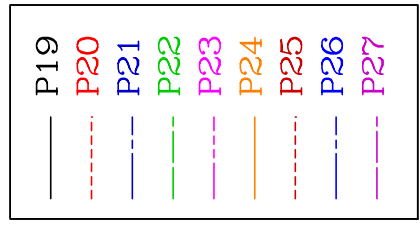
45-Rh-105



MAT 4531

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

45-Rh-105



$\times 10^{-3}$   
1.5

Legendre (CM)

1.0

0.5

0.0

50

100

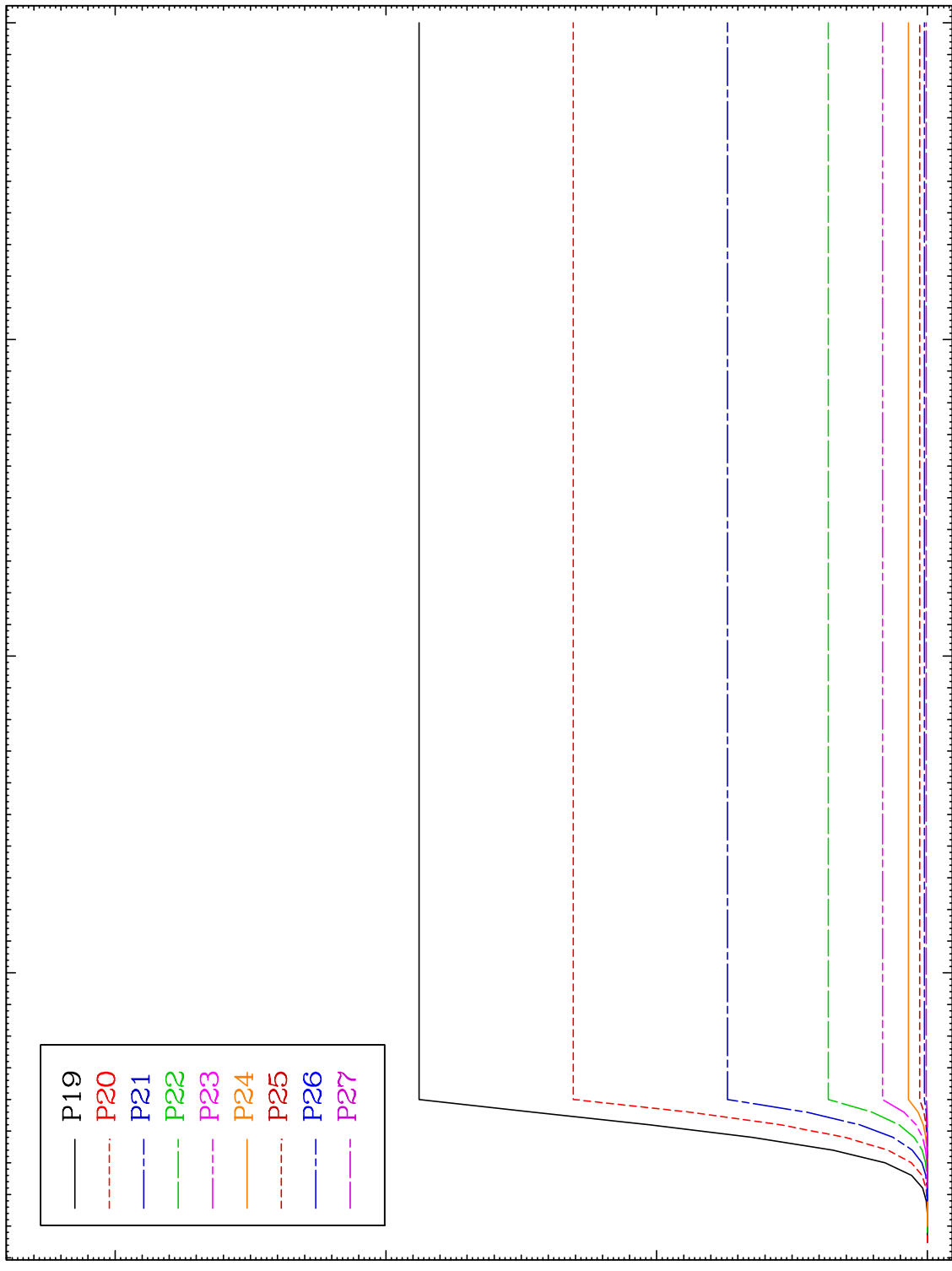
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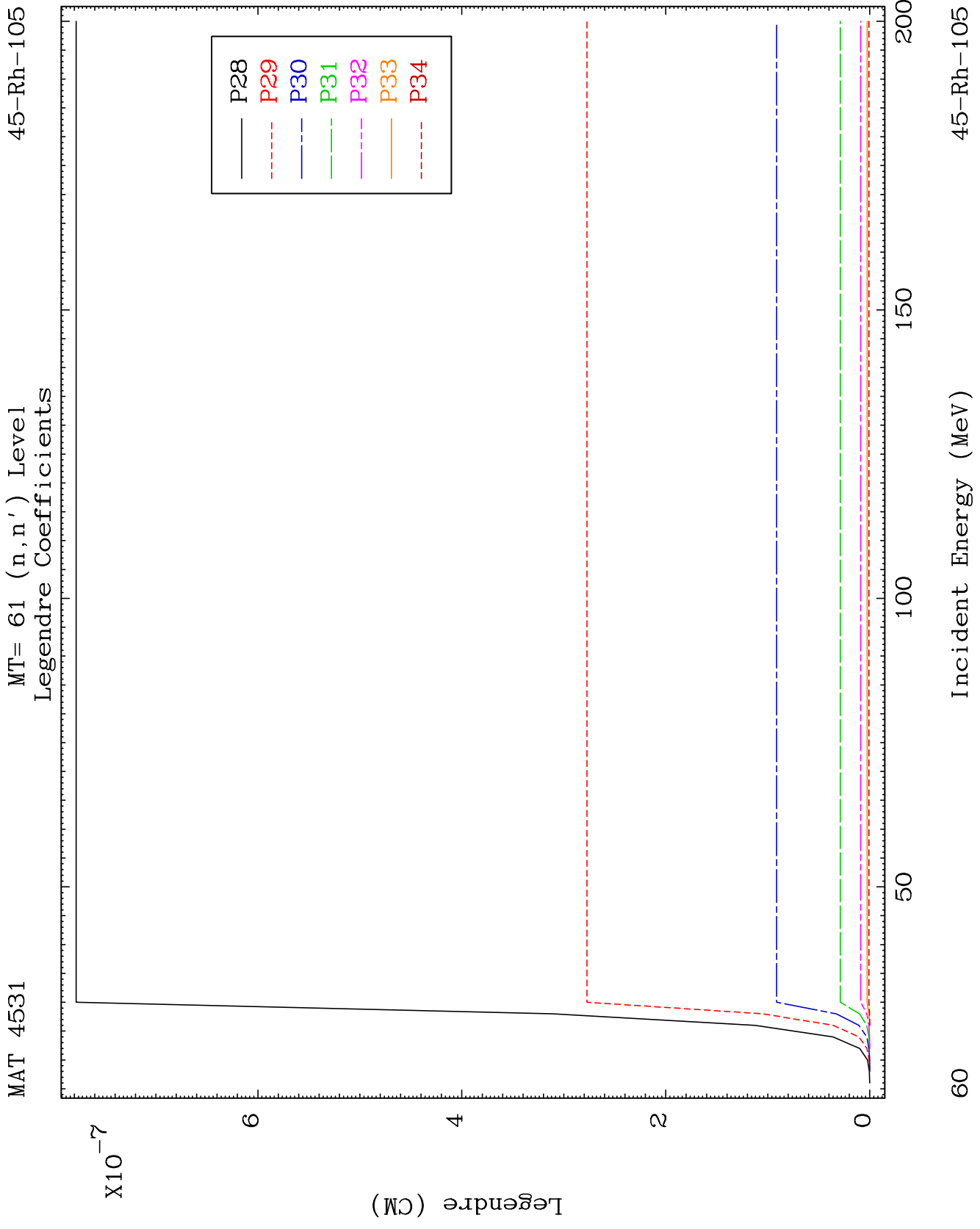
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59

Incident Energy (MeV)

45-Rh-105

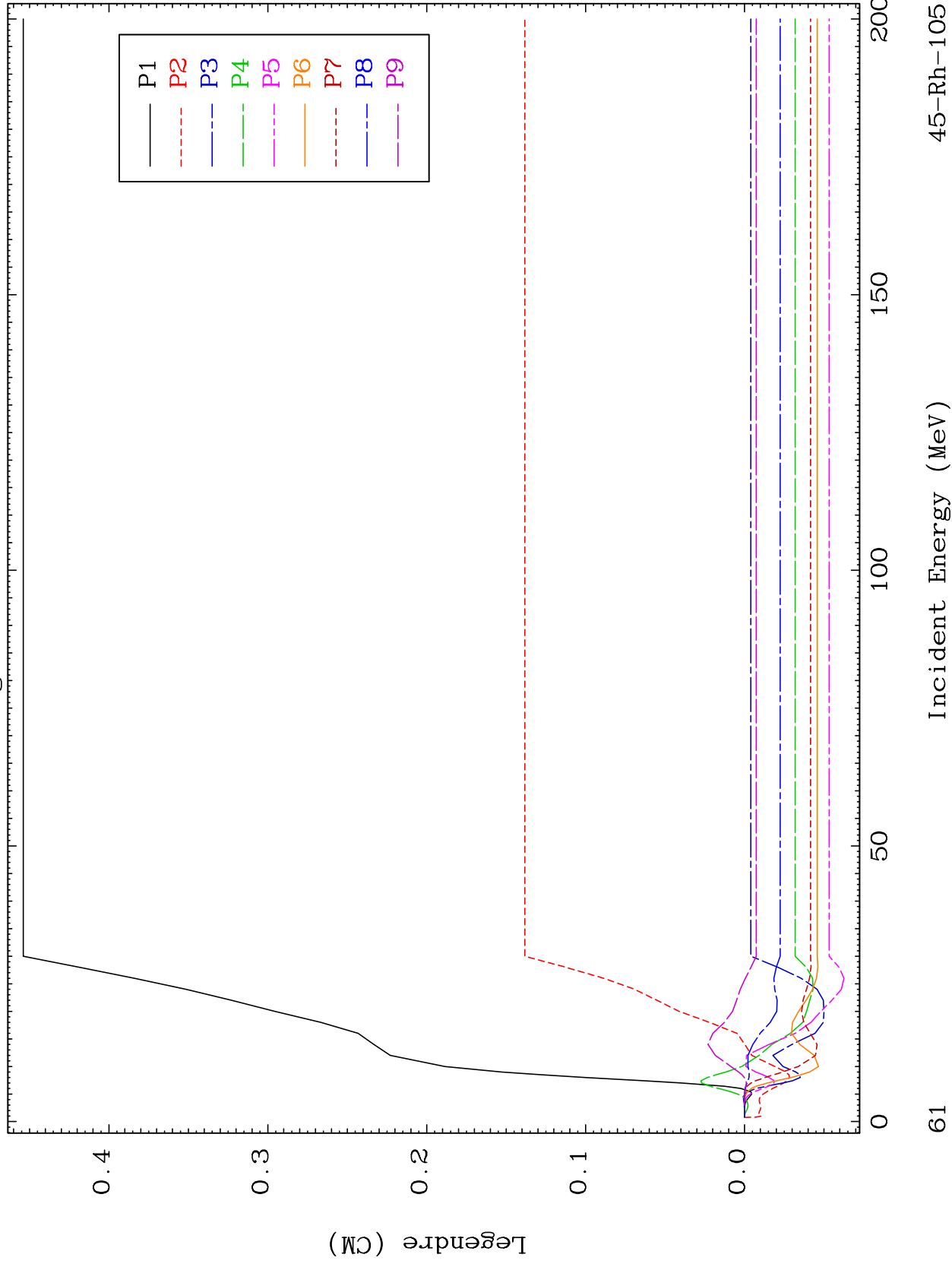




MAT 4531

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

45-Rh-105



61

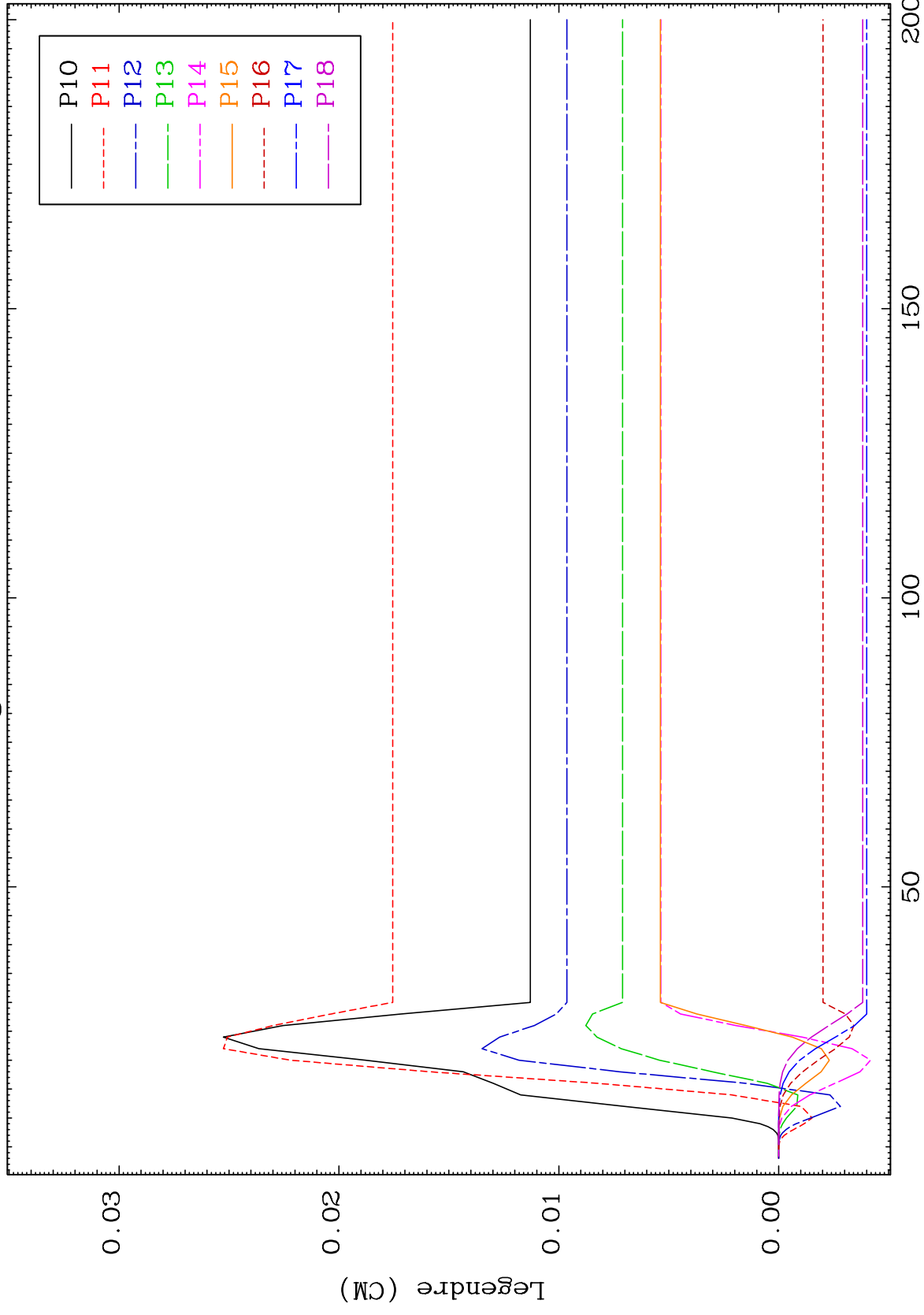
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

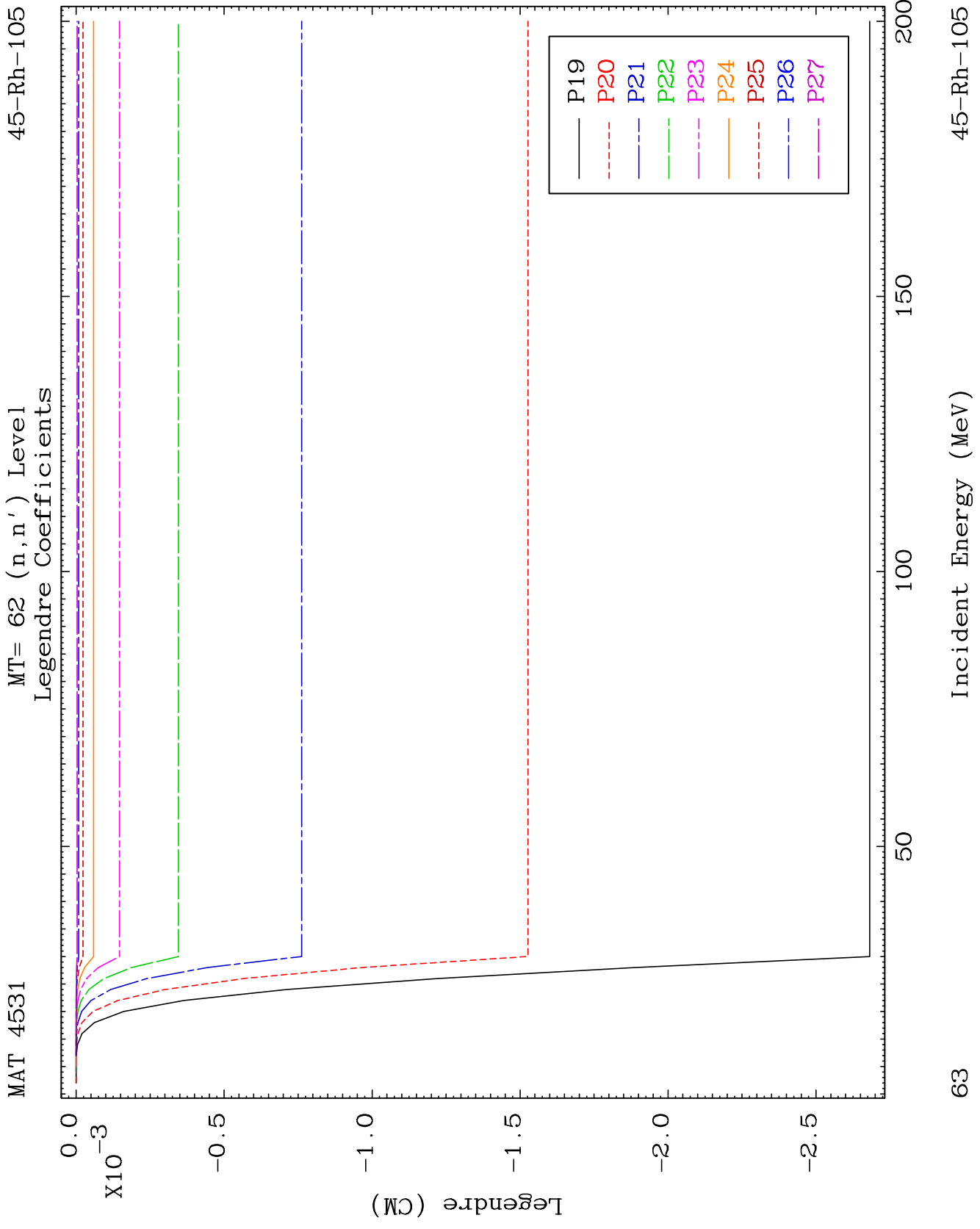
45-Rh-105

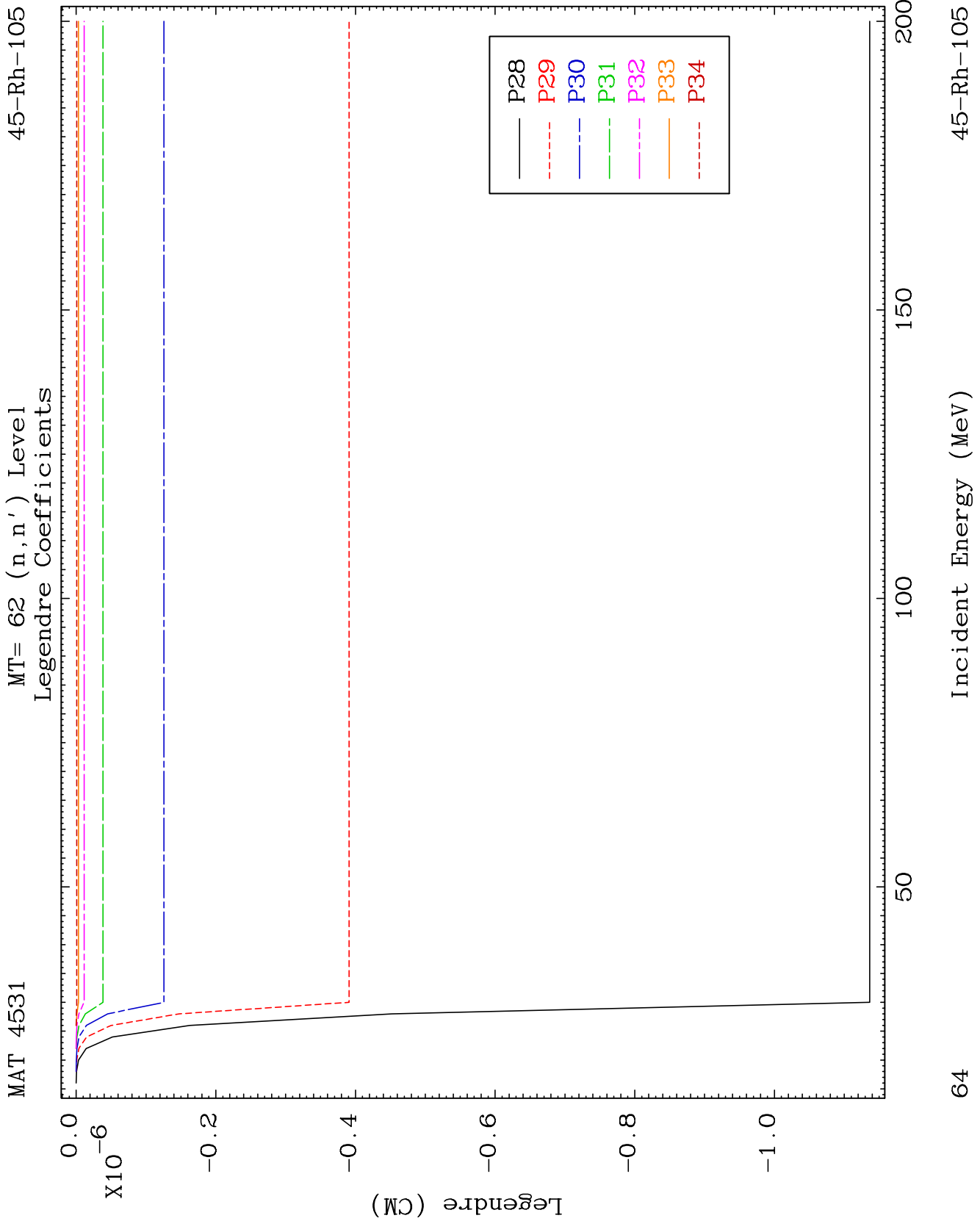


62

Incident Energy (MeV)

45-Rh-105

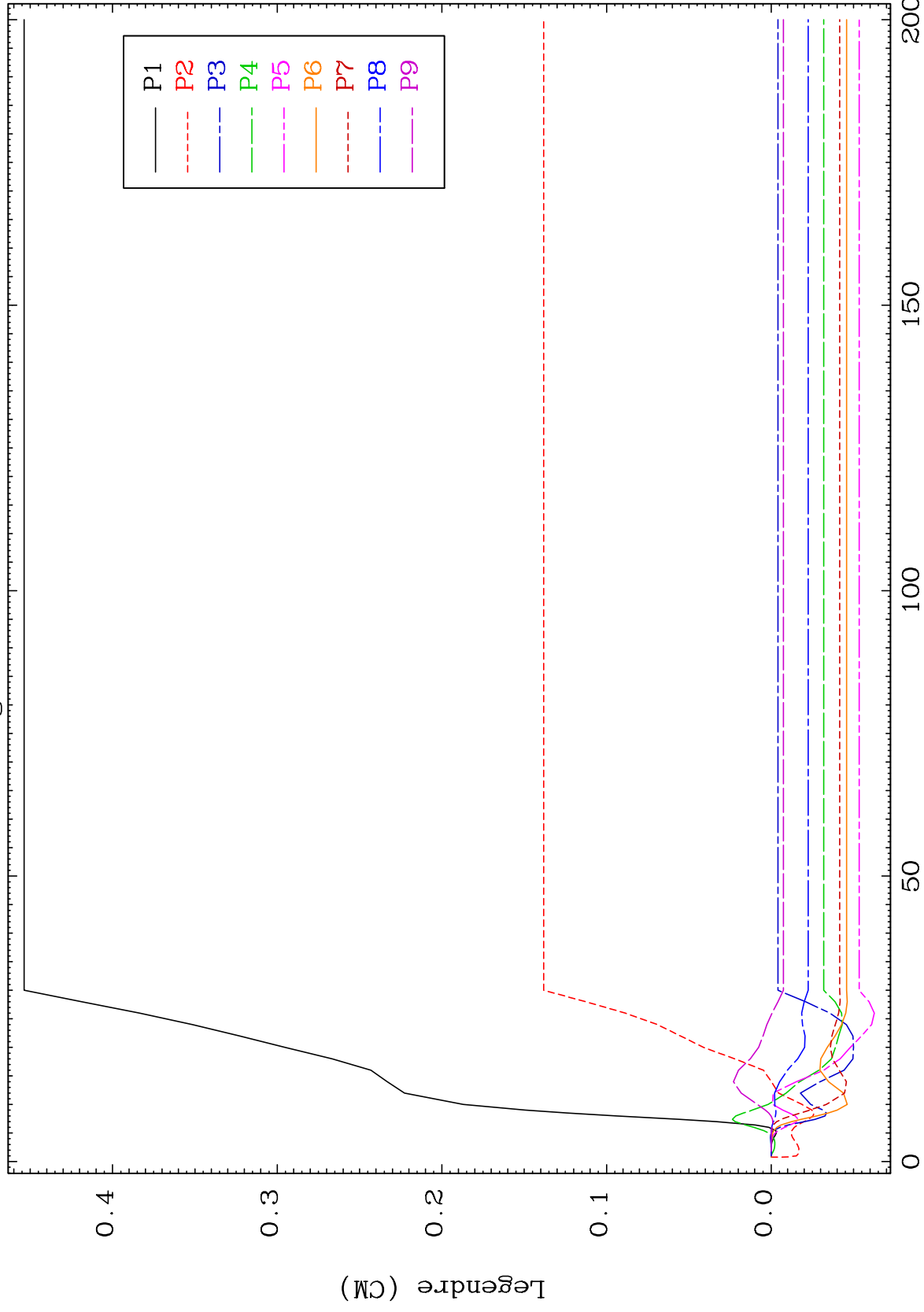




MAT 4531

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

45-Rh-105



65

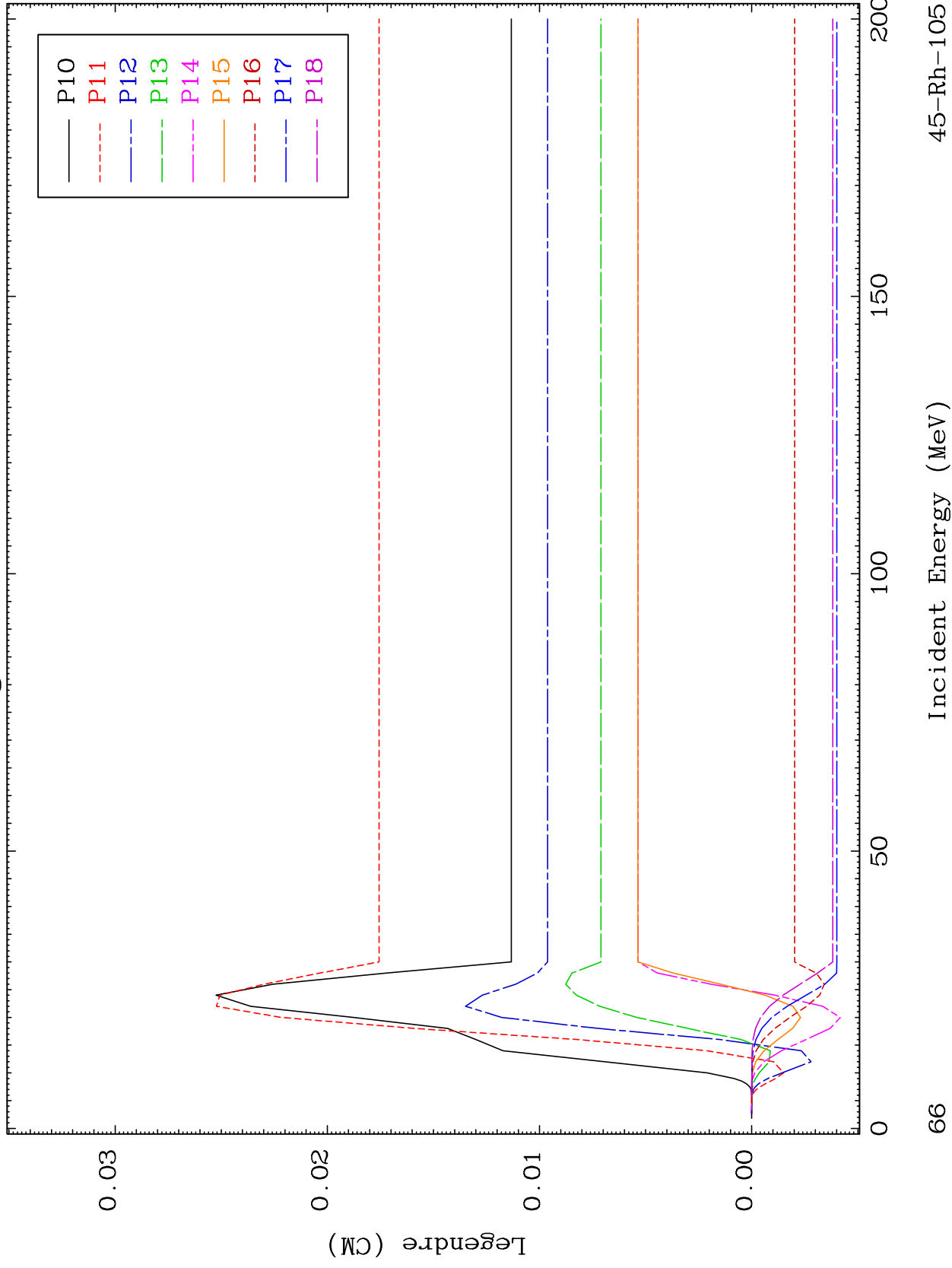
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

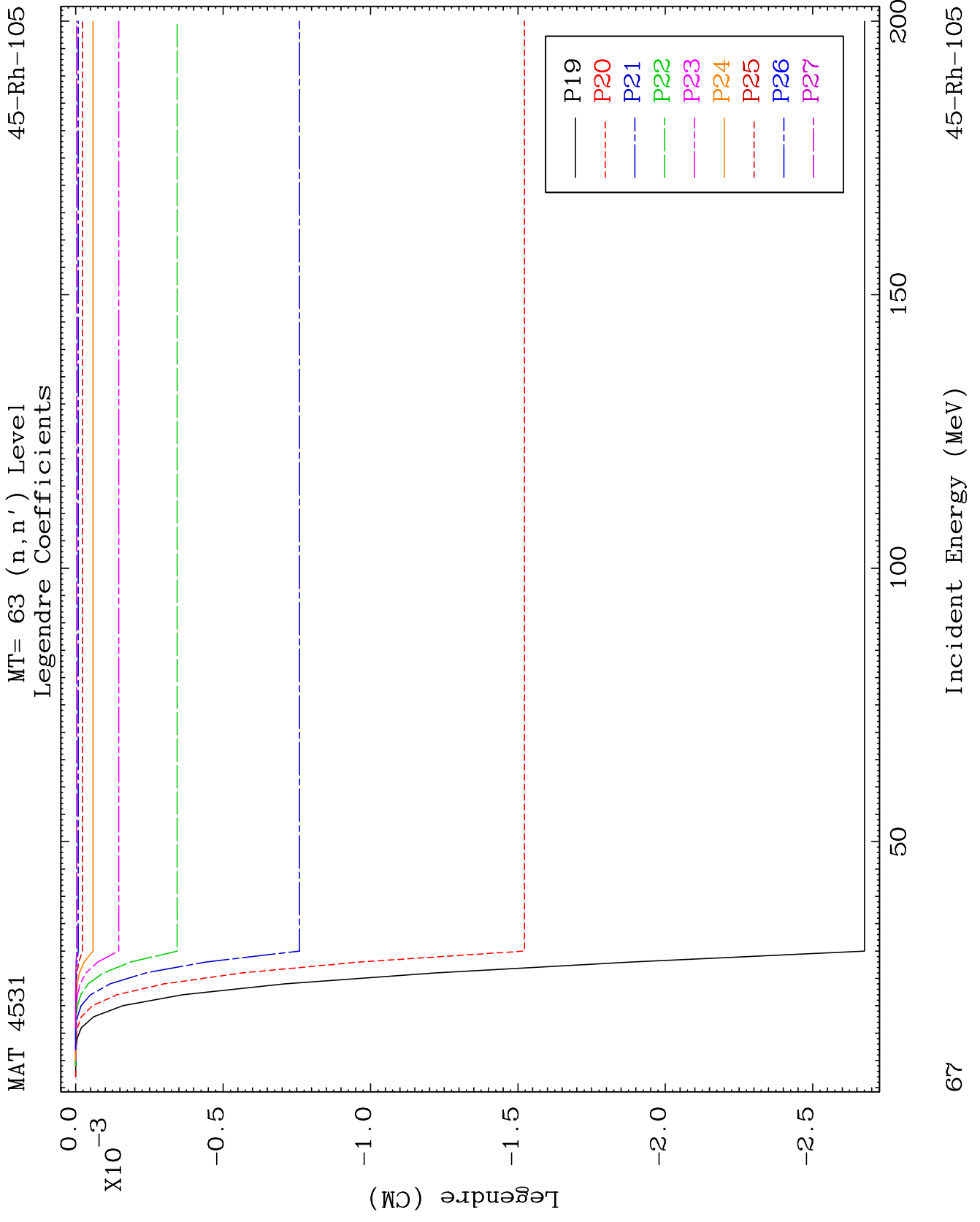
45-Rh-105

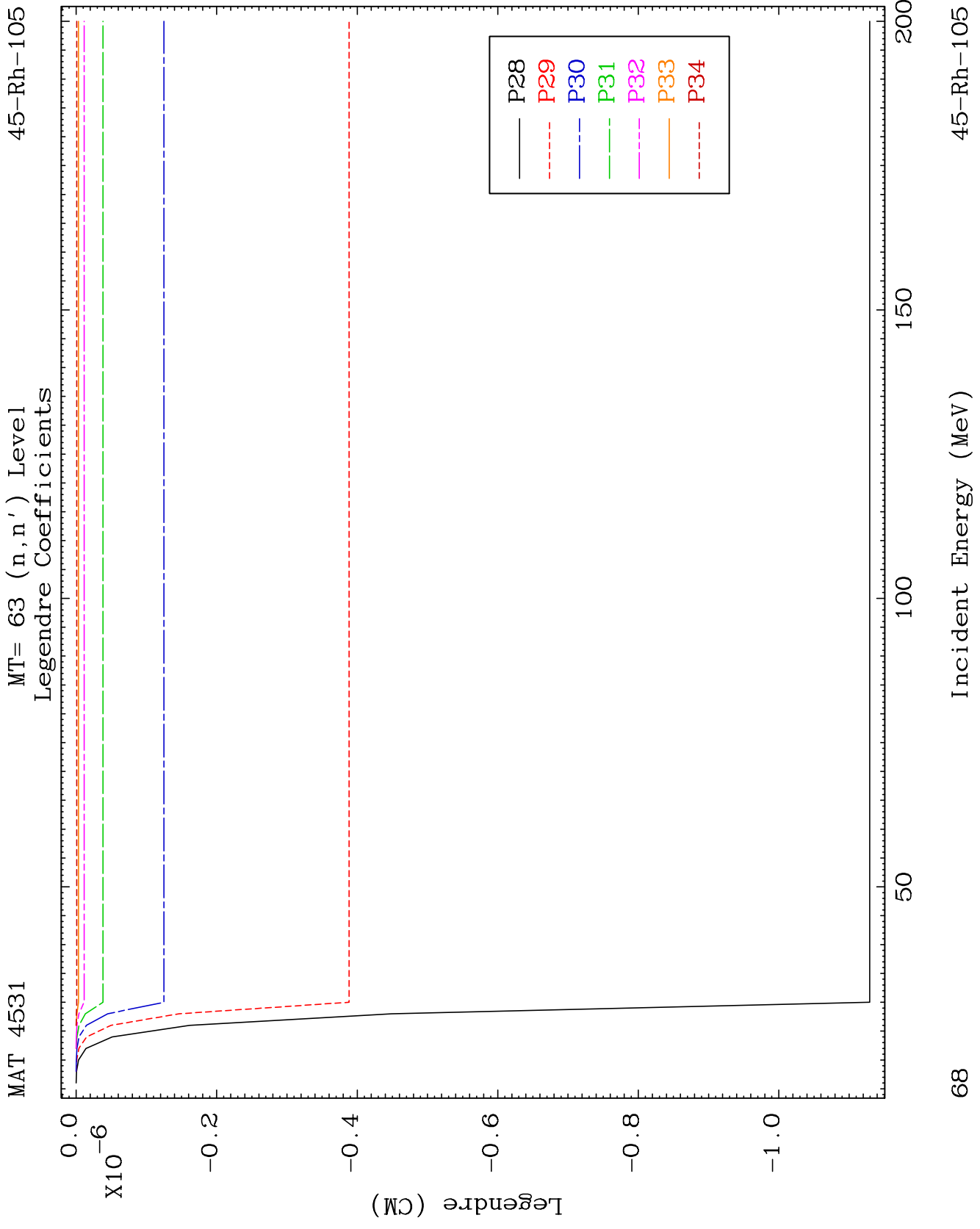


66

Incident Energy (MeV)

45-Rh-105

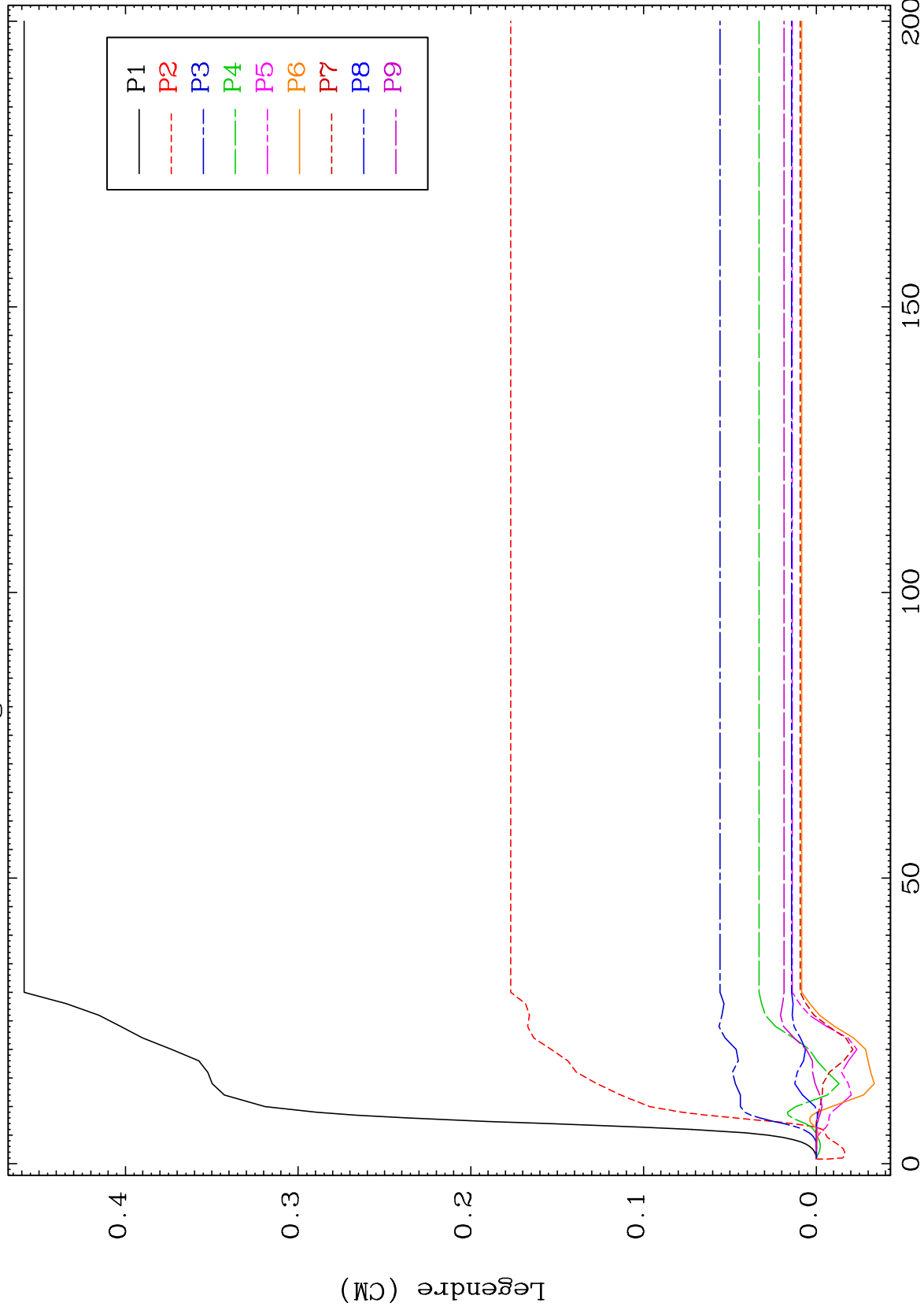




MAT 4531

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

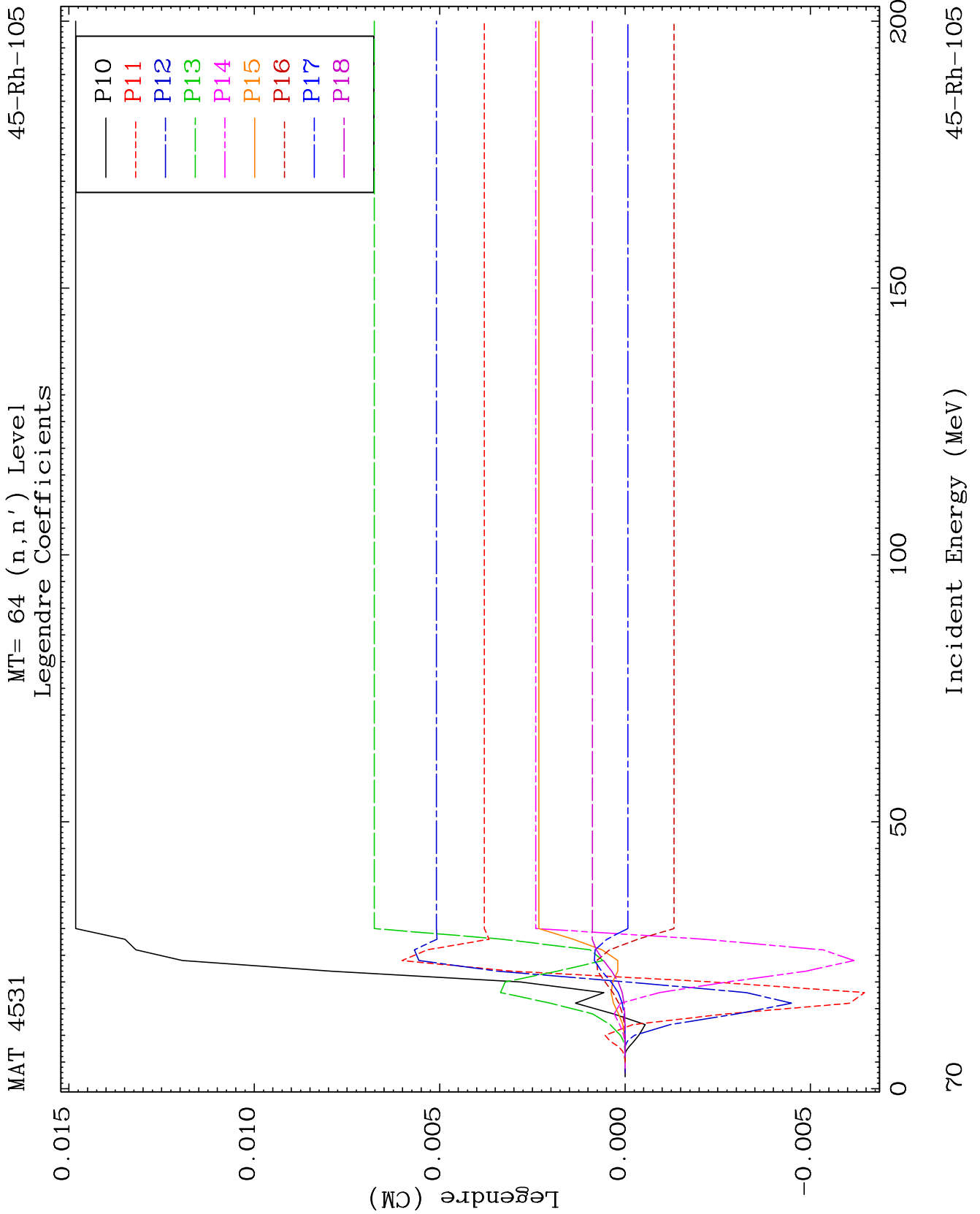
45-Rh-105



69

Incident Energy (MeV)

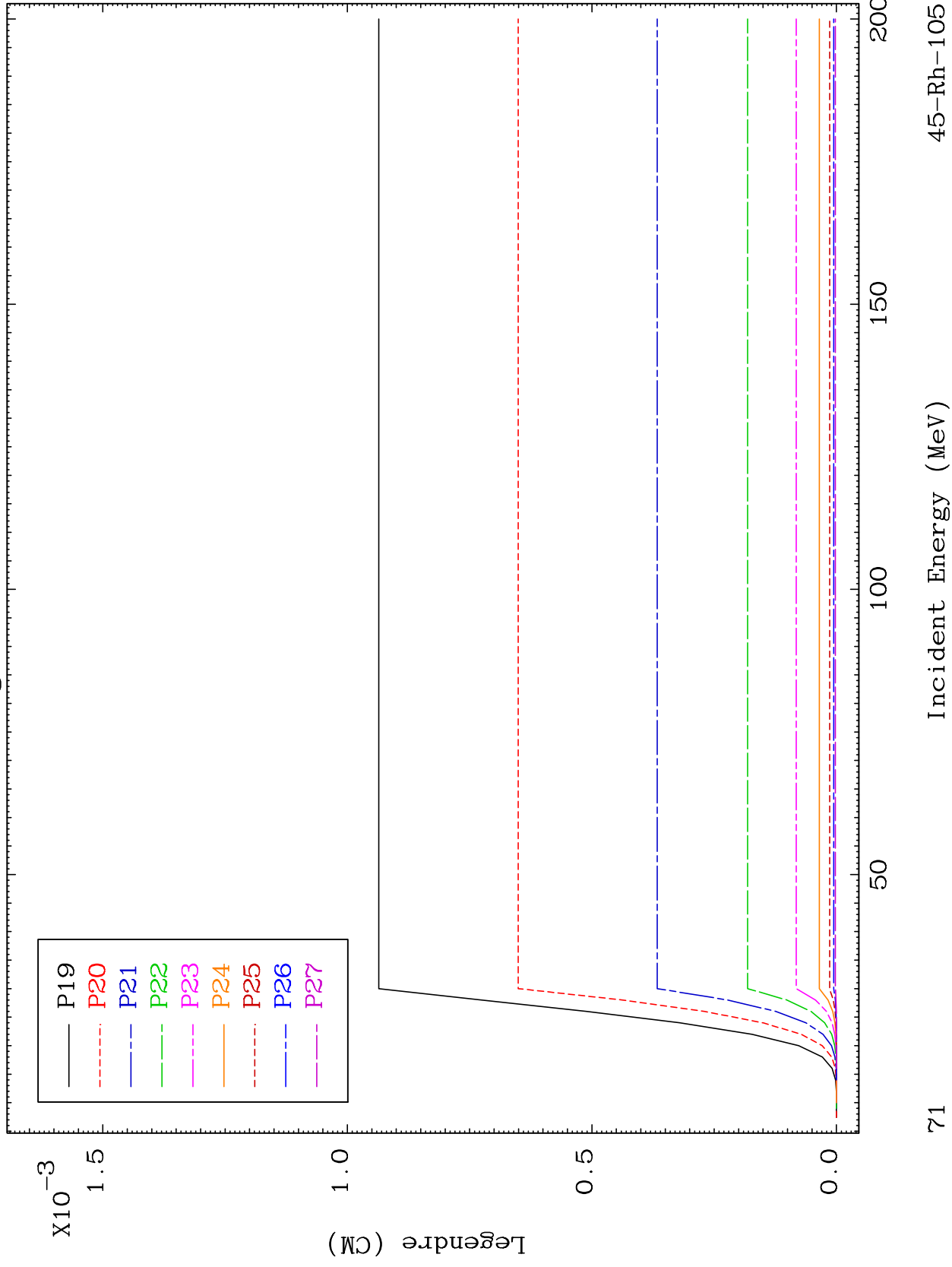
45-Rh-105



MAT 4531

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

45-Rh-105



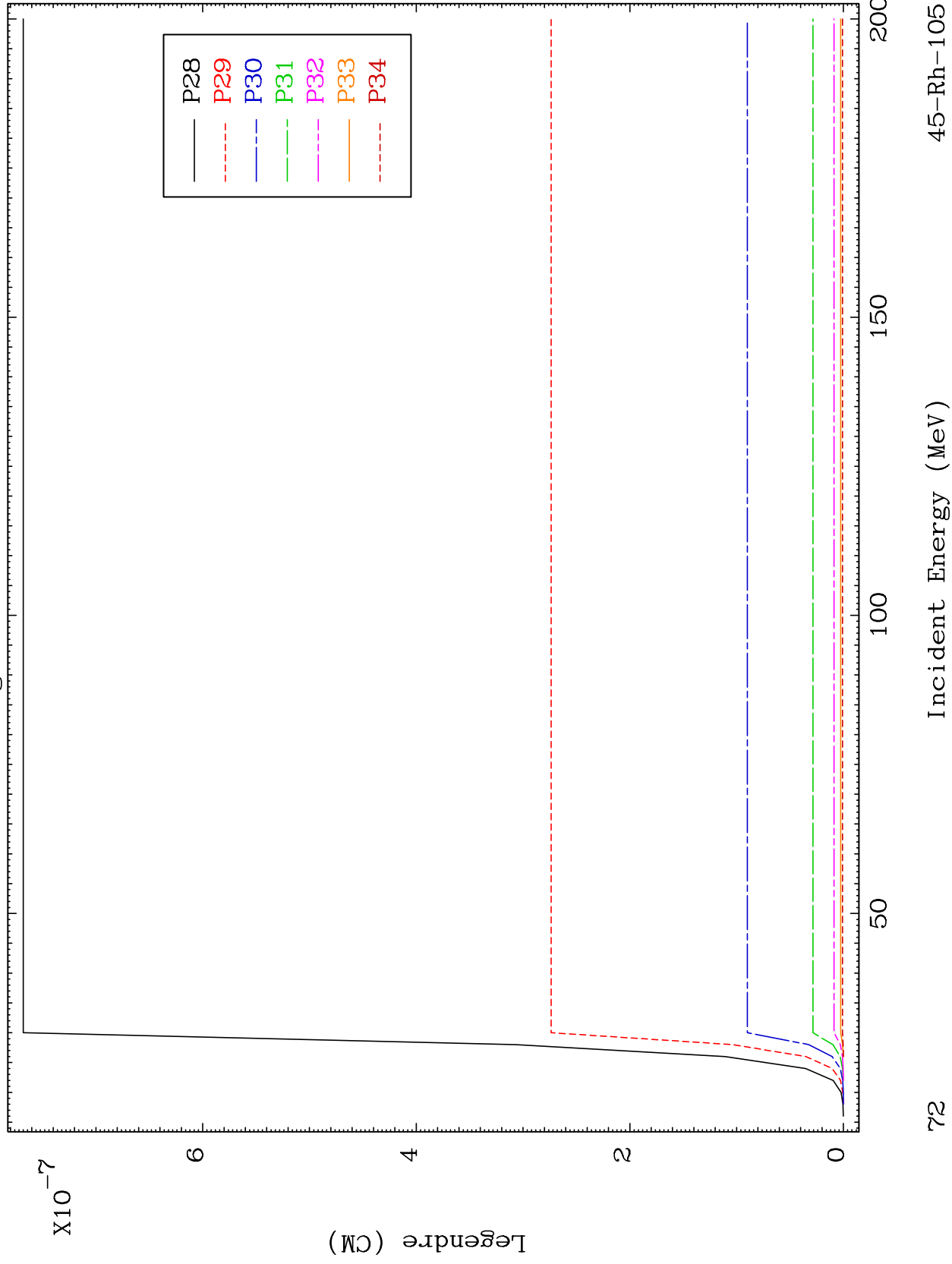
71

45-Rh-105

MAT 4531

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

45-Rh-105



72

Incident Energy (MeV)

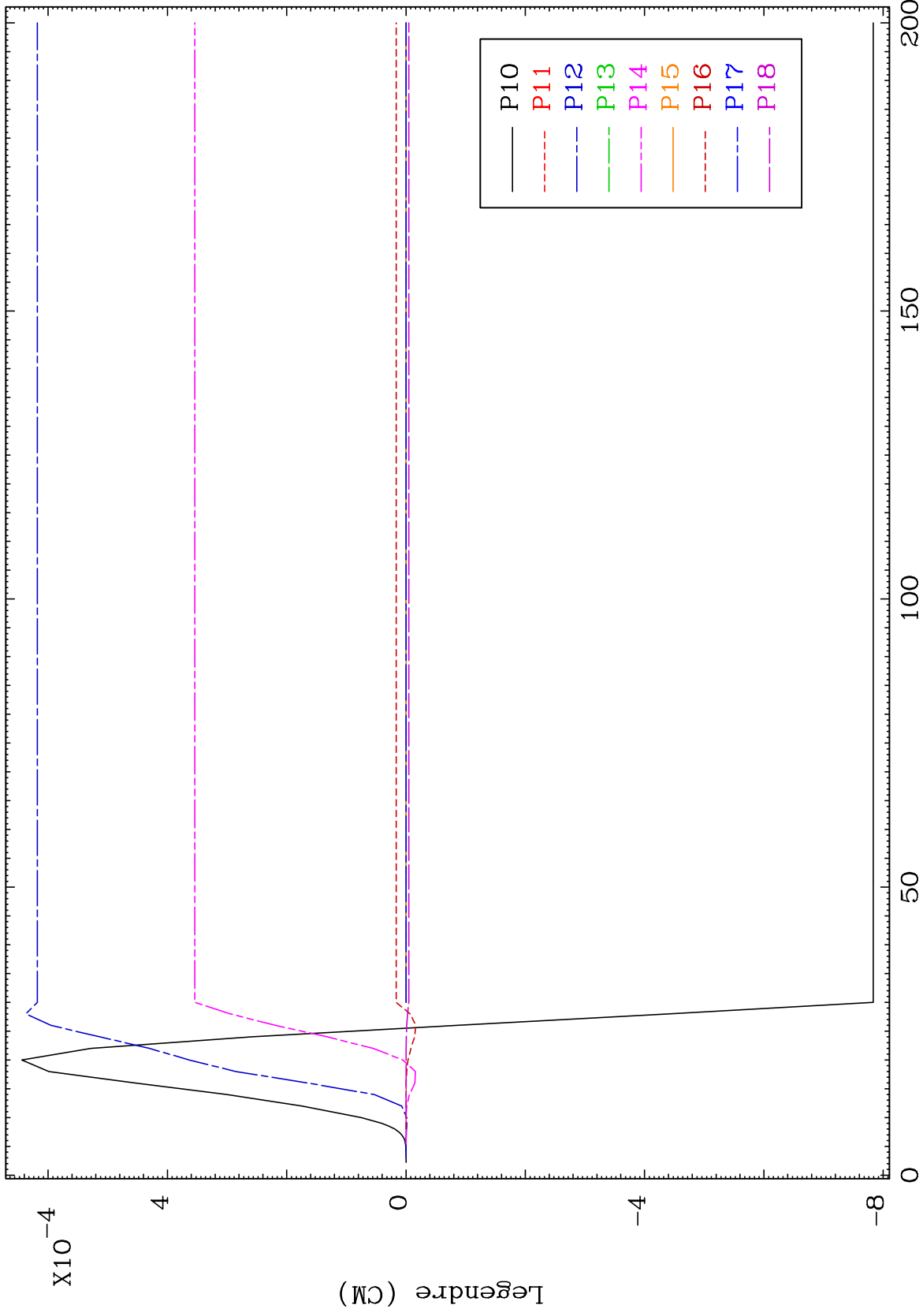
45-Rh-105



MAT 4531

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

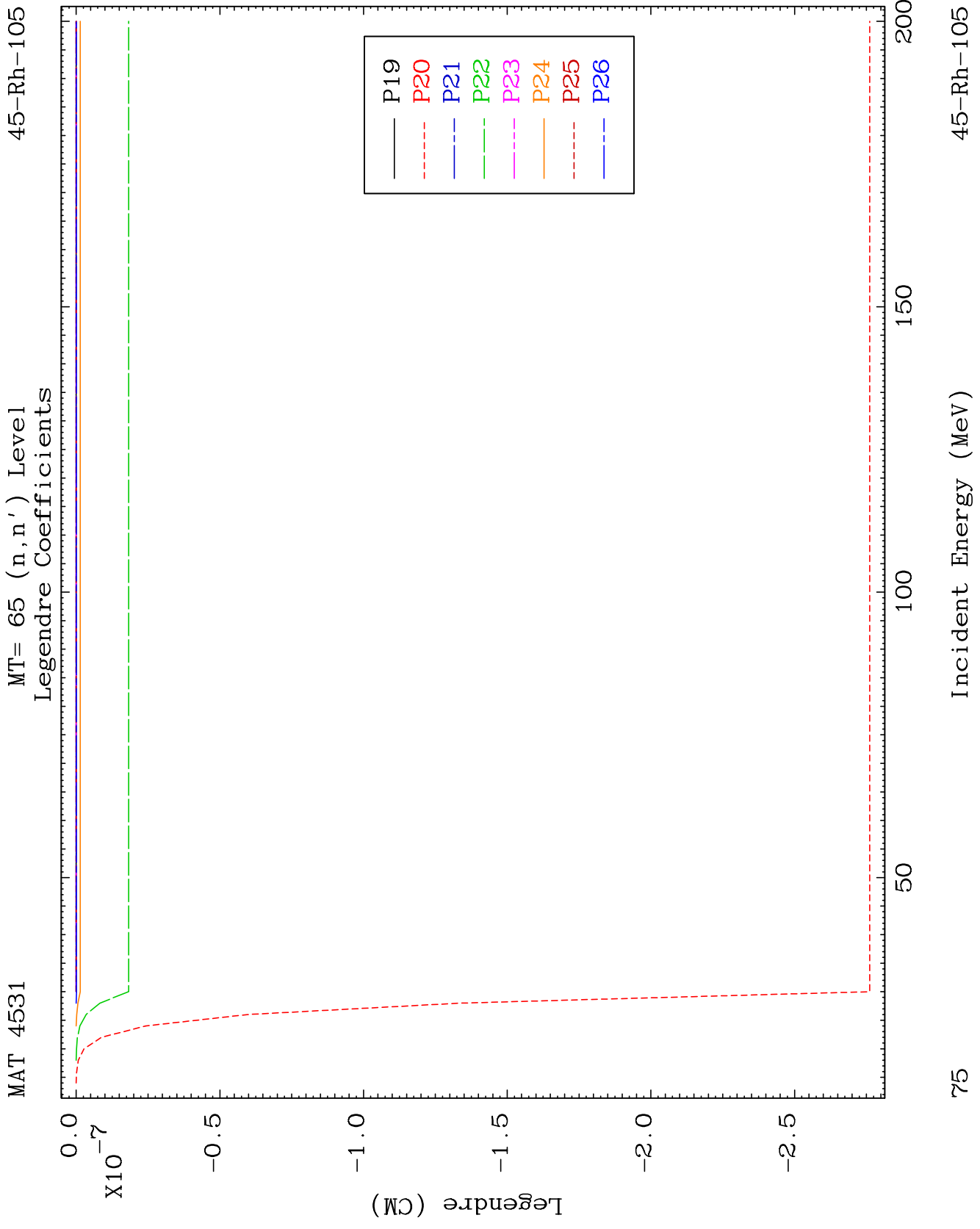
45-Rh-105



74

Incident Energy (MeV)

45-Rh-105

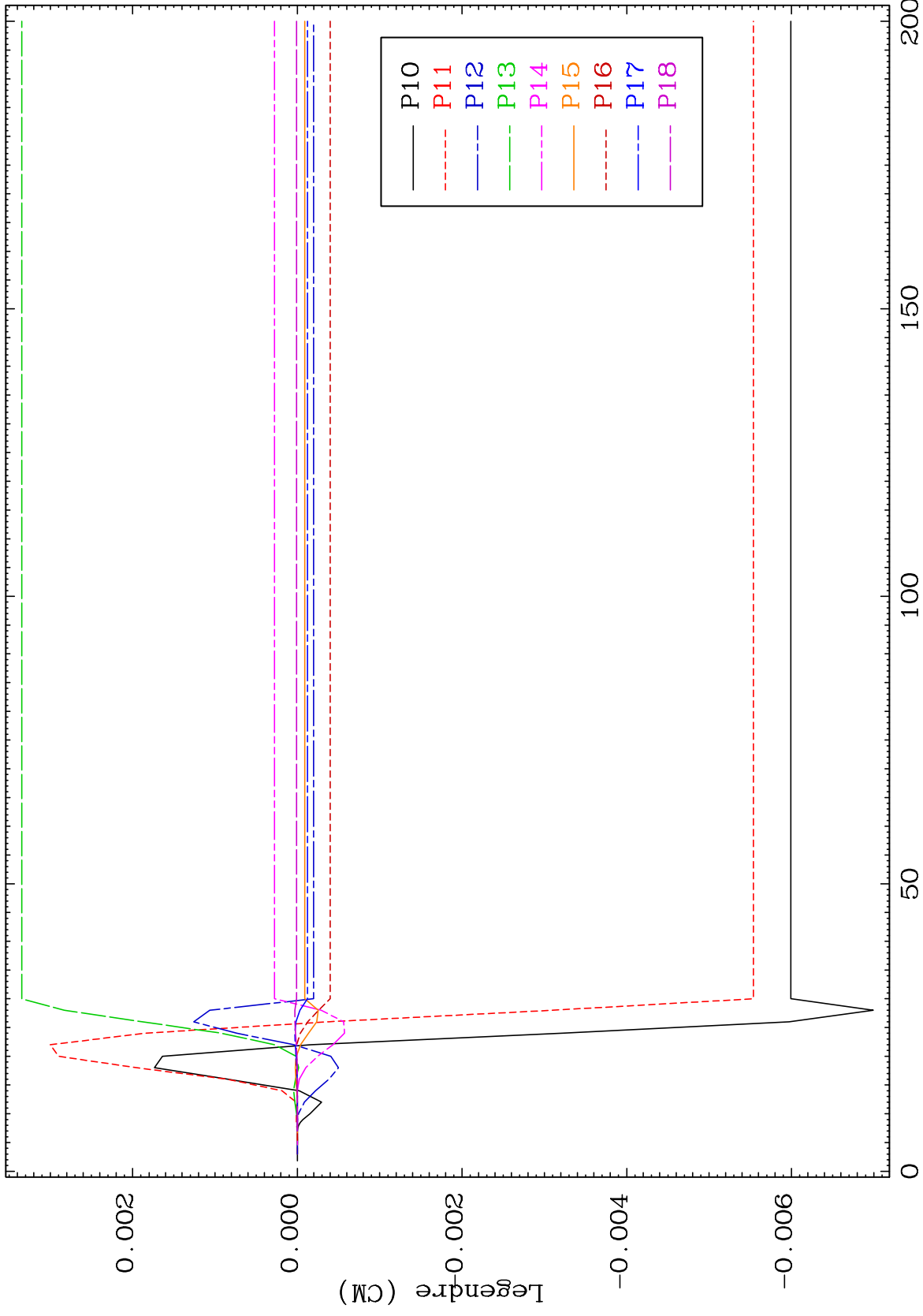




MAT 4531

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

45-Rh-105



77

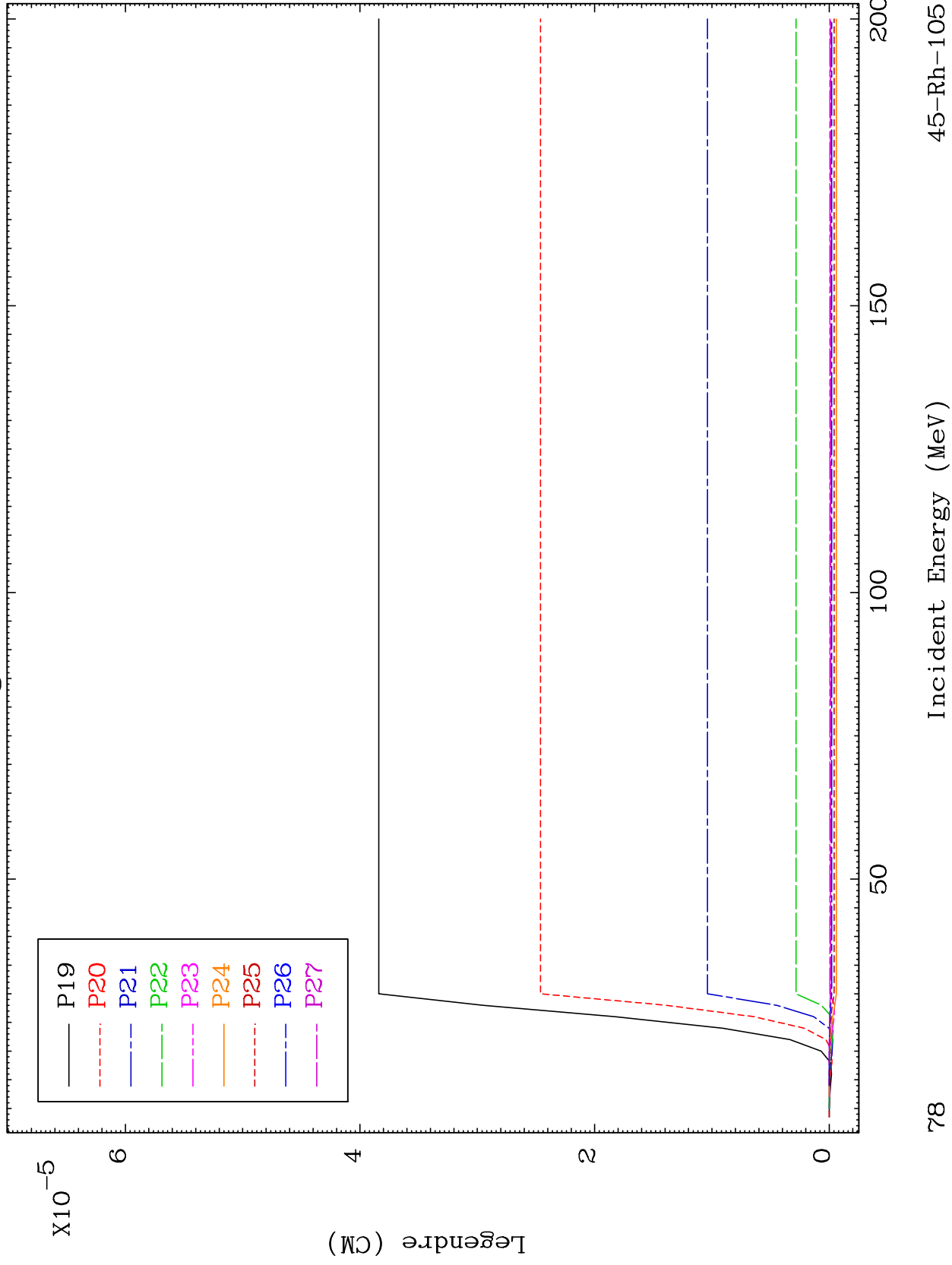
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

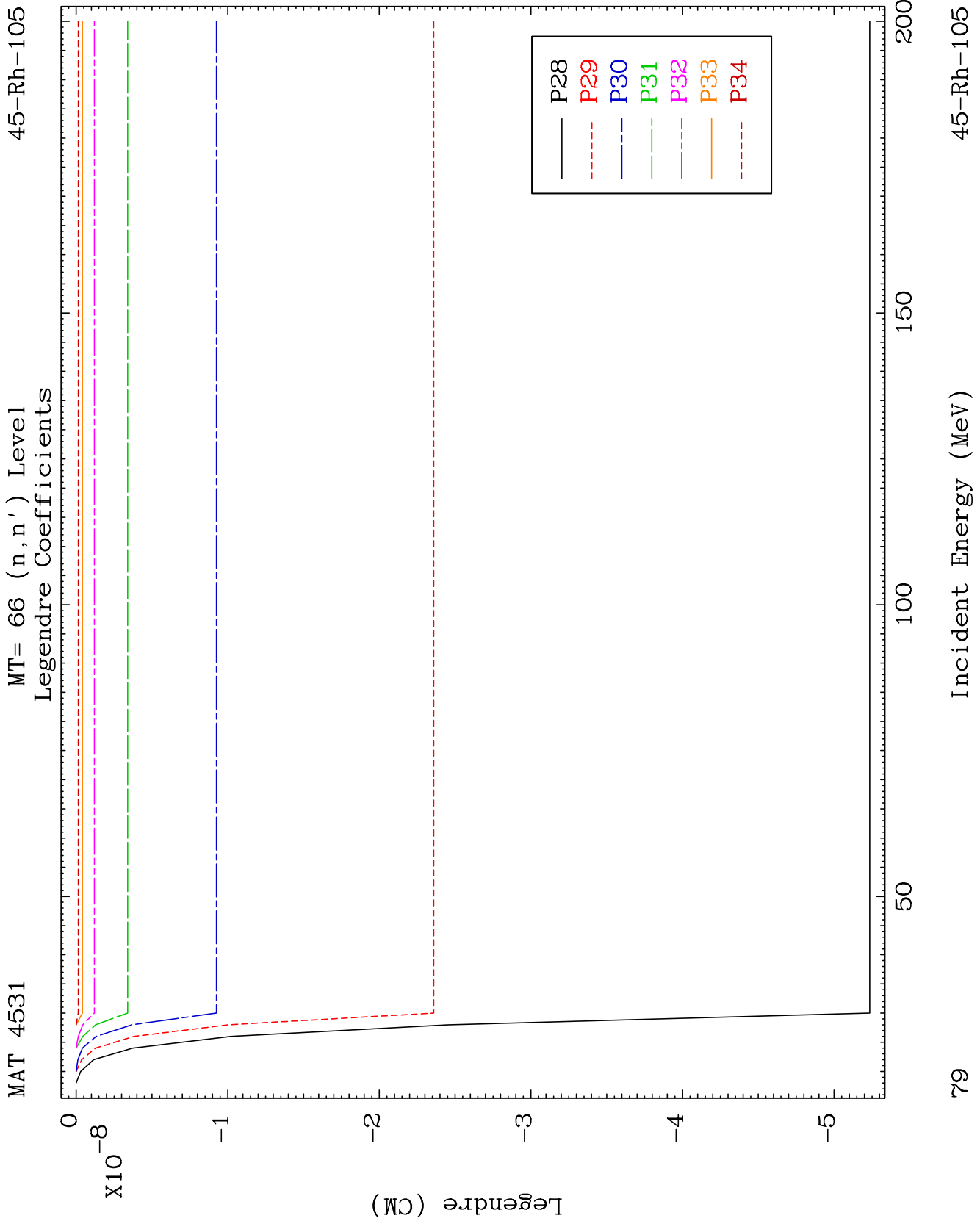
45-Rh-105



78

Incident Energy (MeV)

45-Rh-105



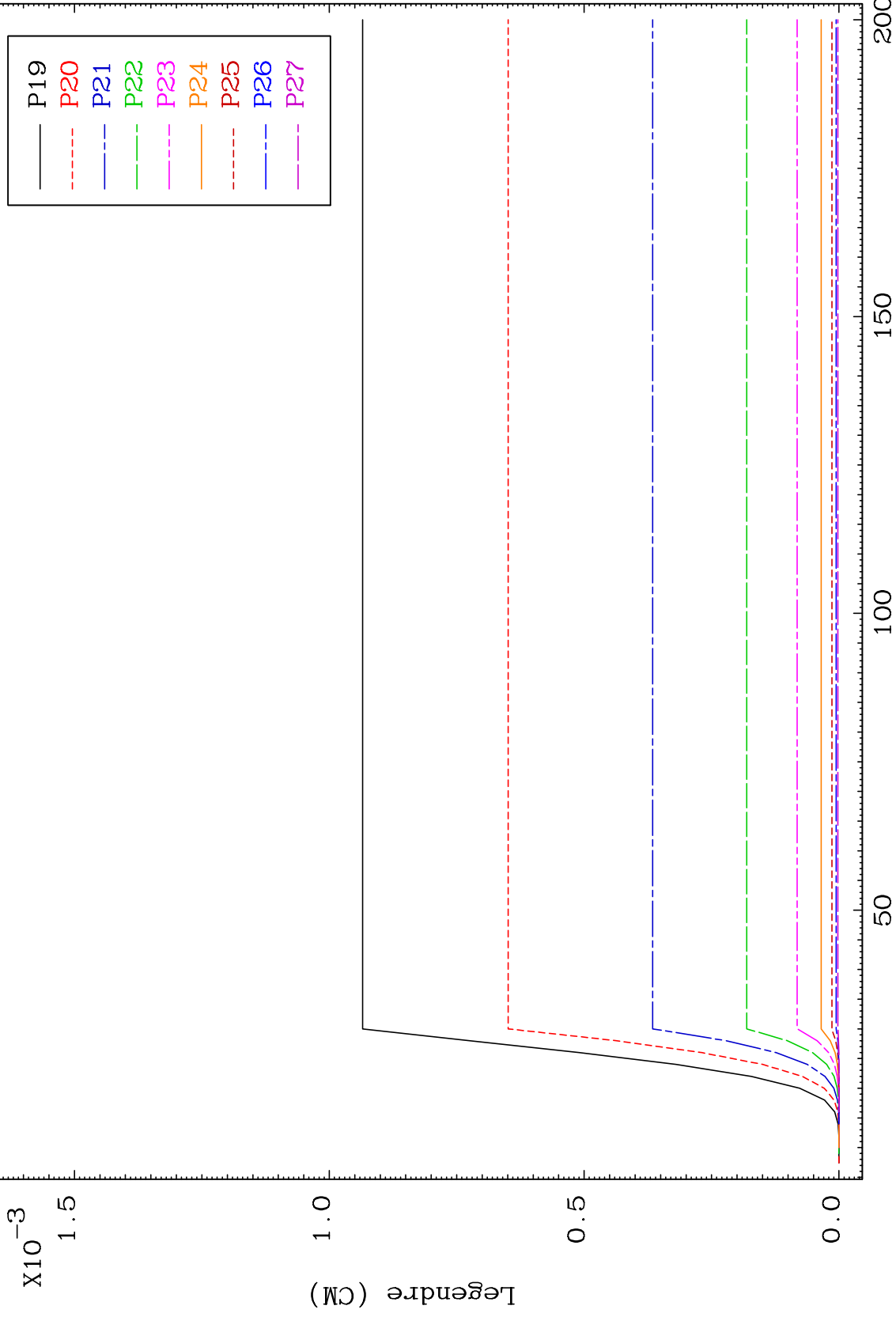




MAT 4531

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

45-Rh-105



82

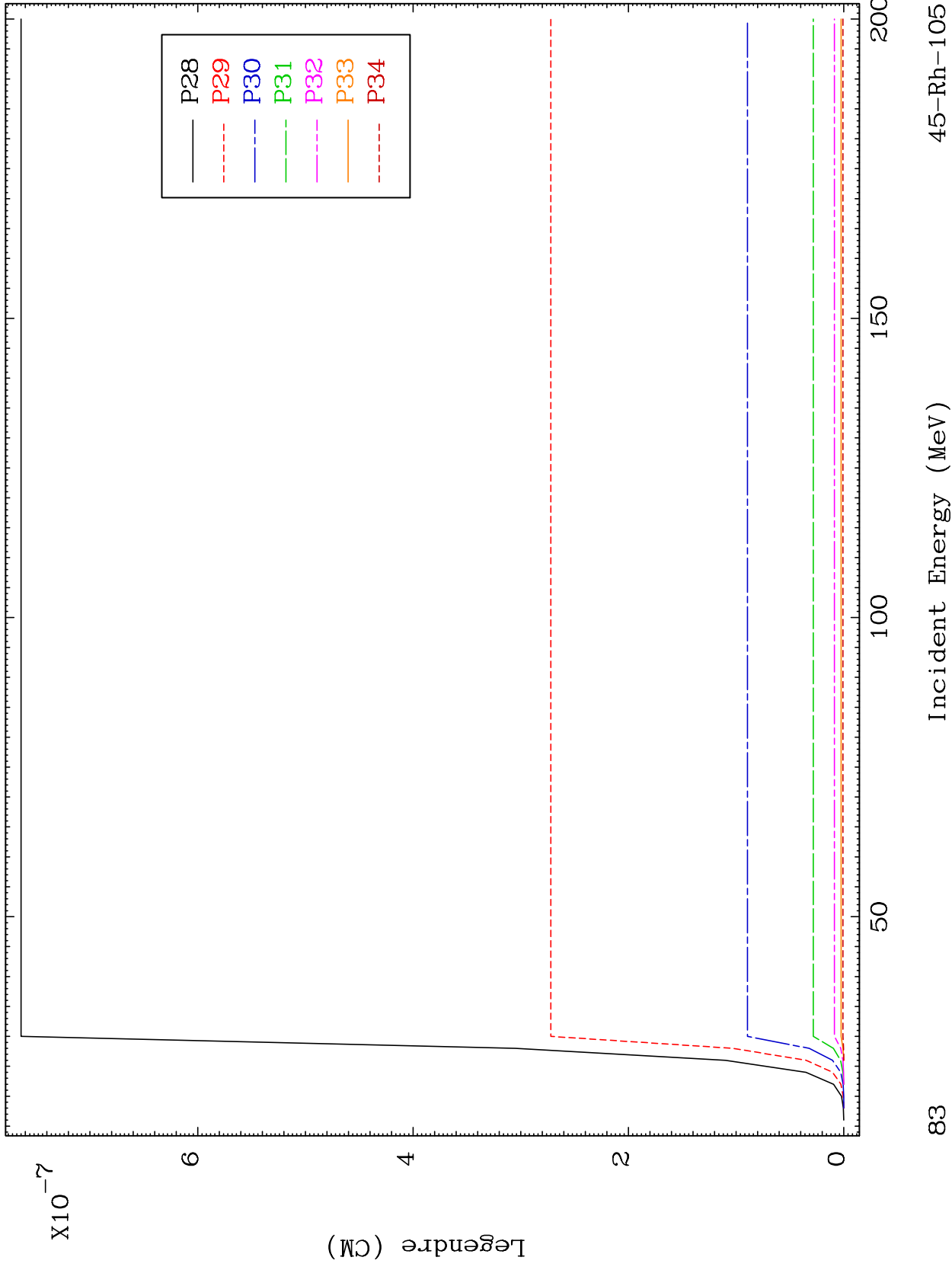
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



83

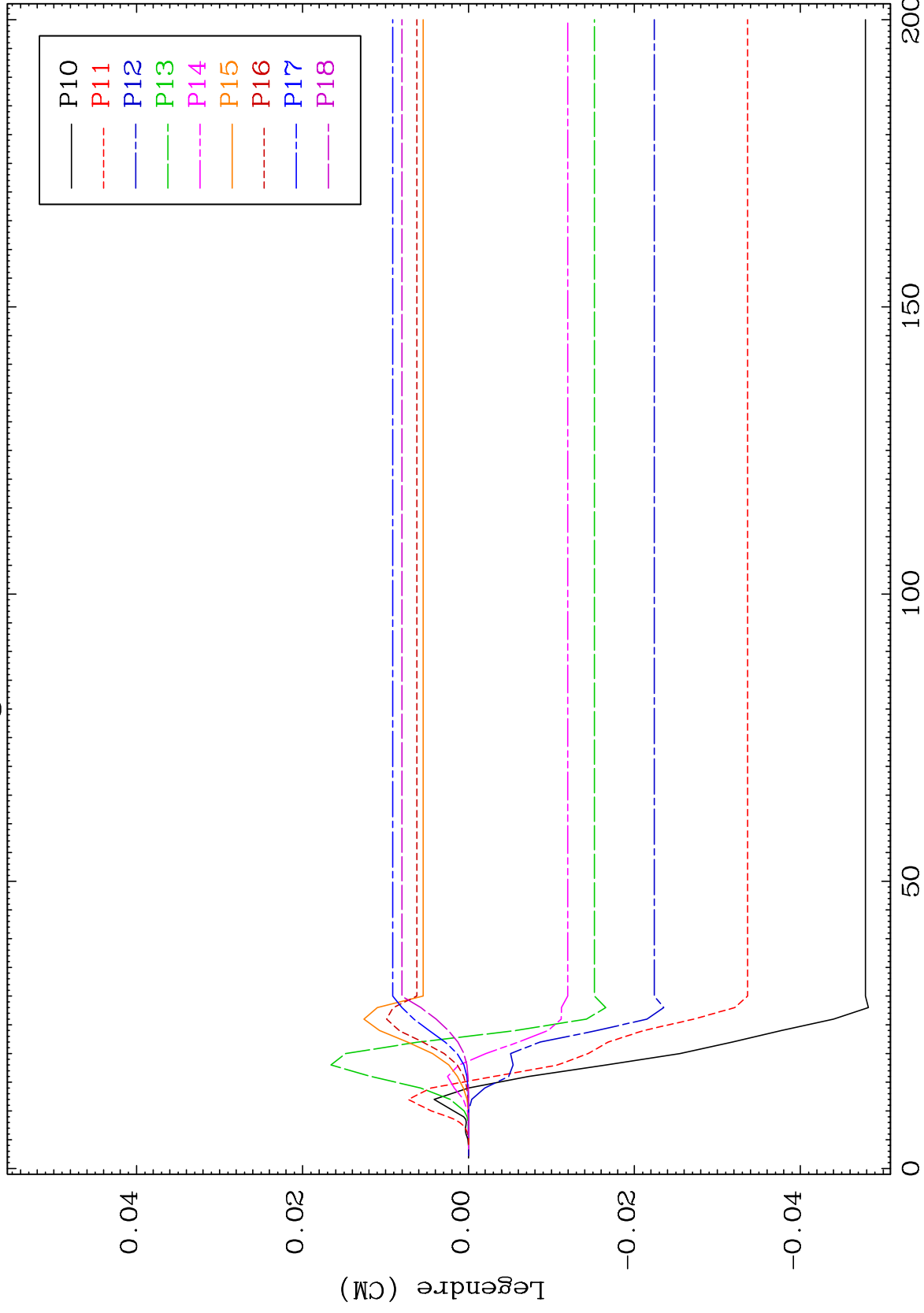
45-Rh-105



MAT 4531

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

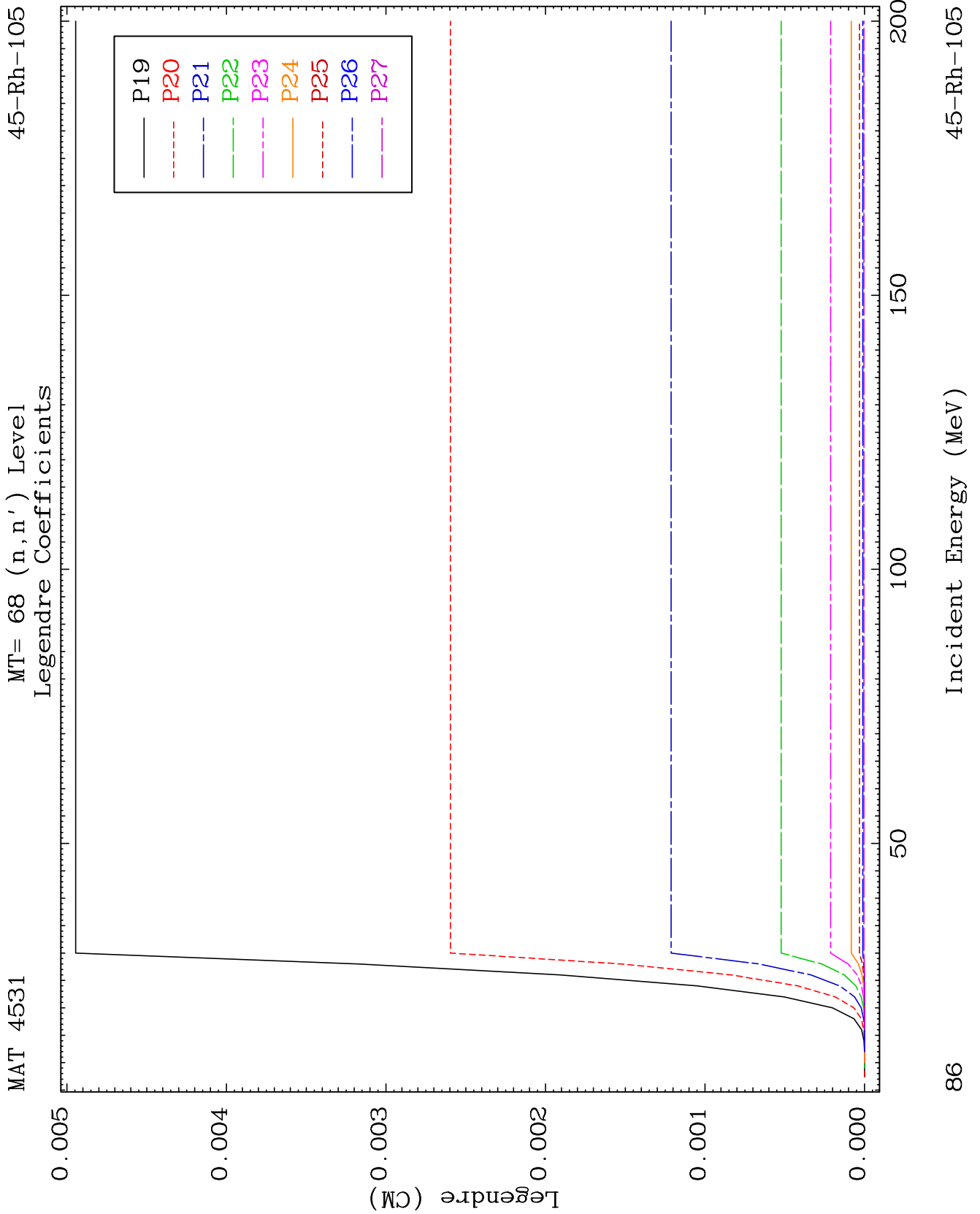
45-Rh-105



85

Incident Energy (MeV)

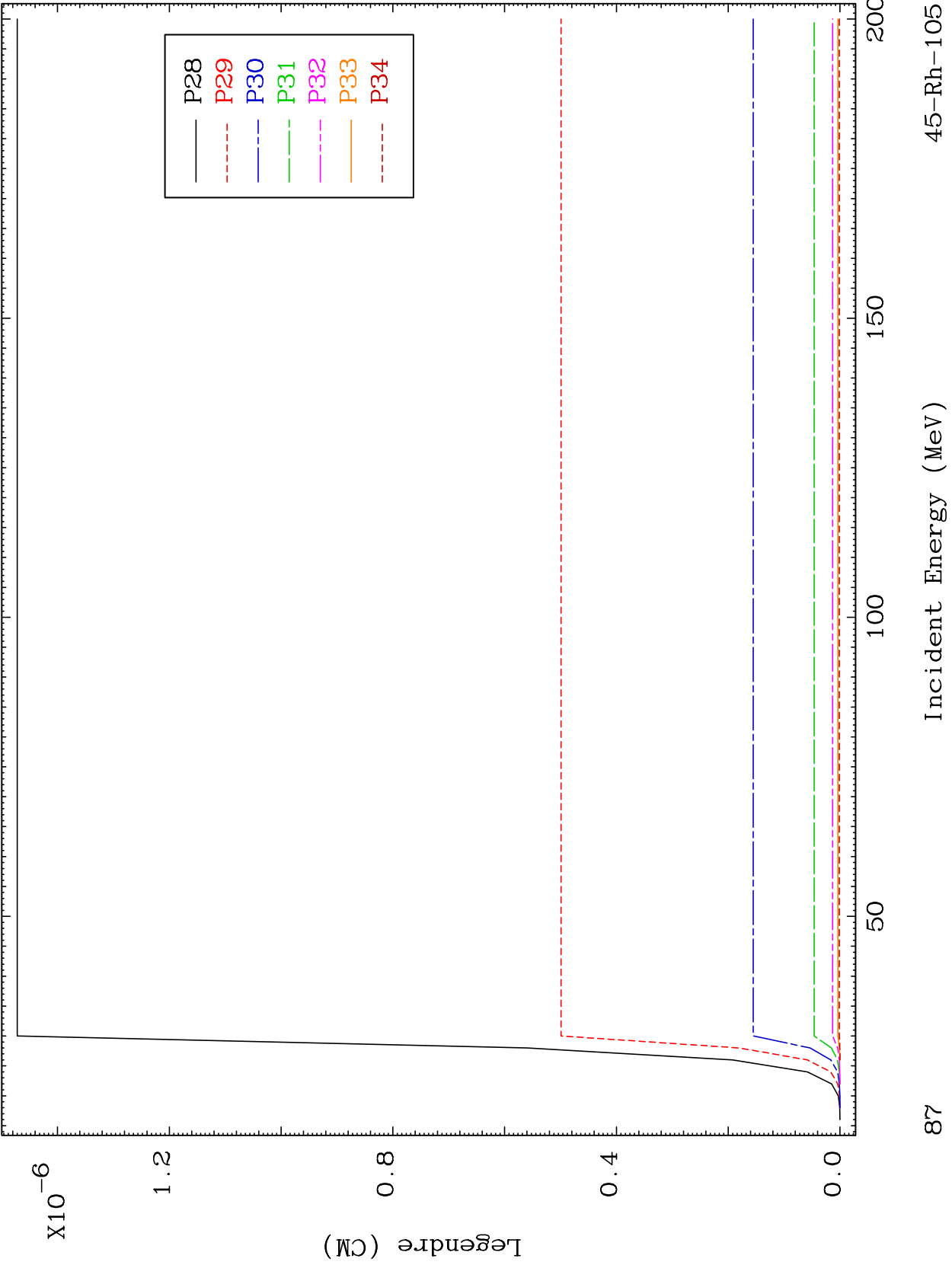
45-Rh-105

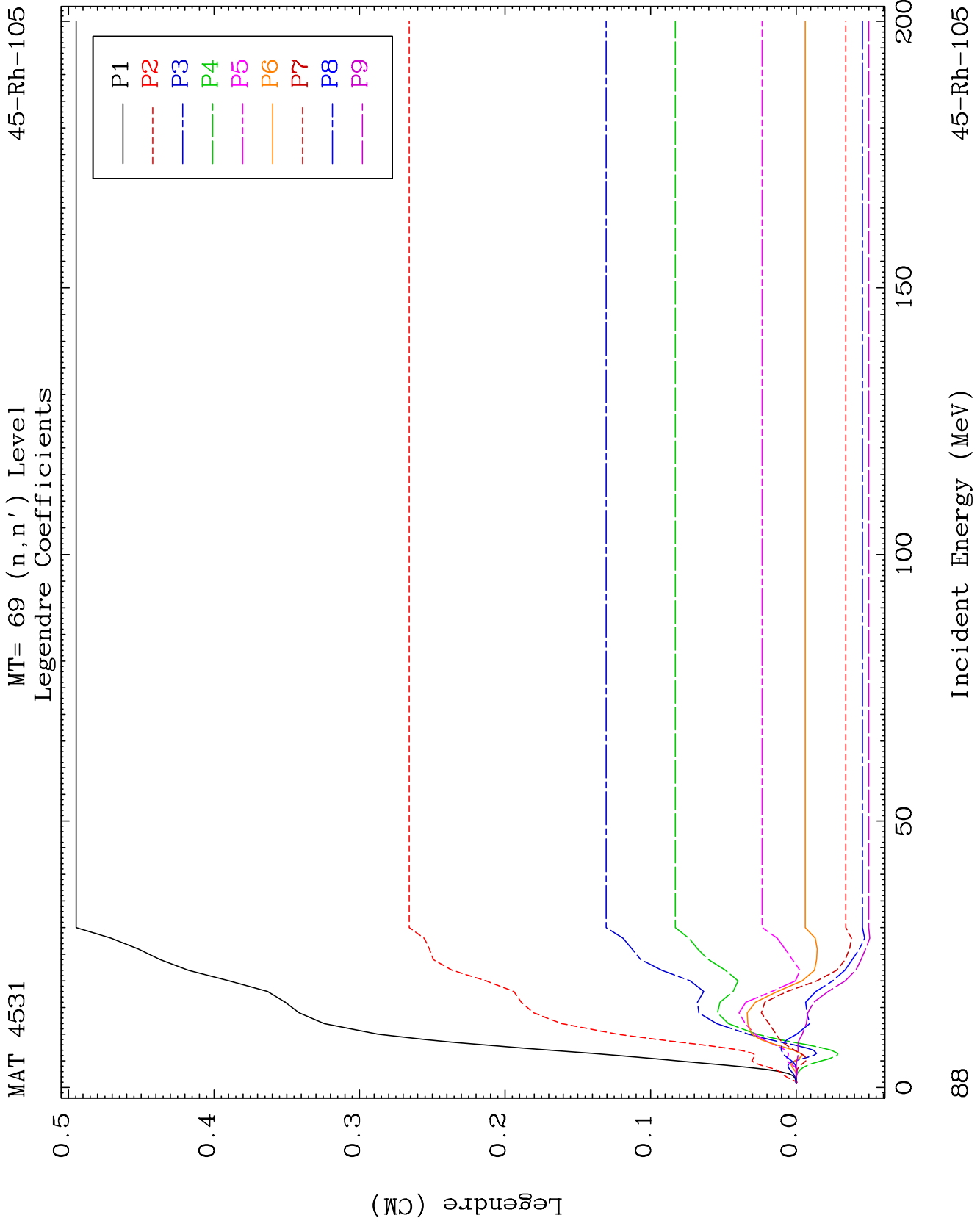


MAT 4531

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

45-Rh-105

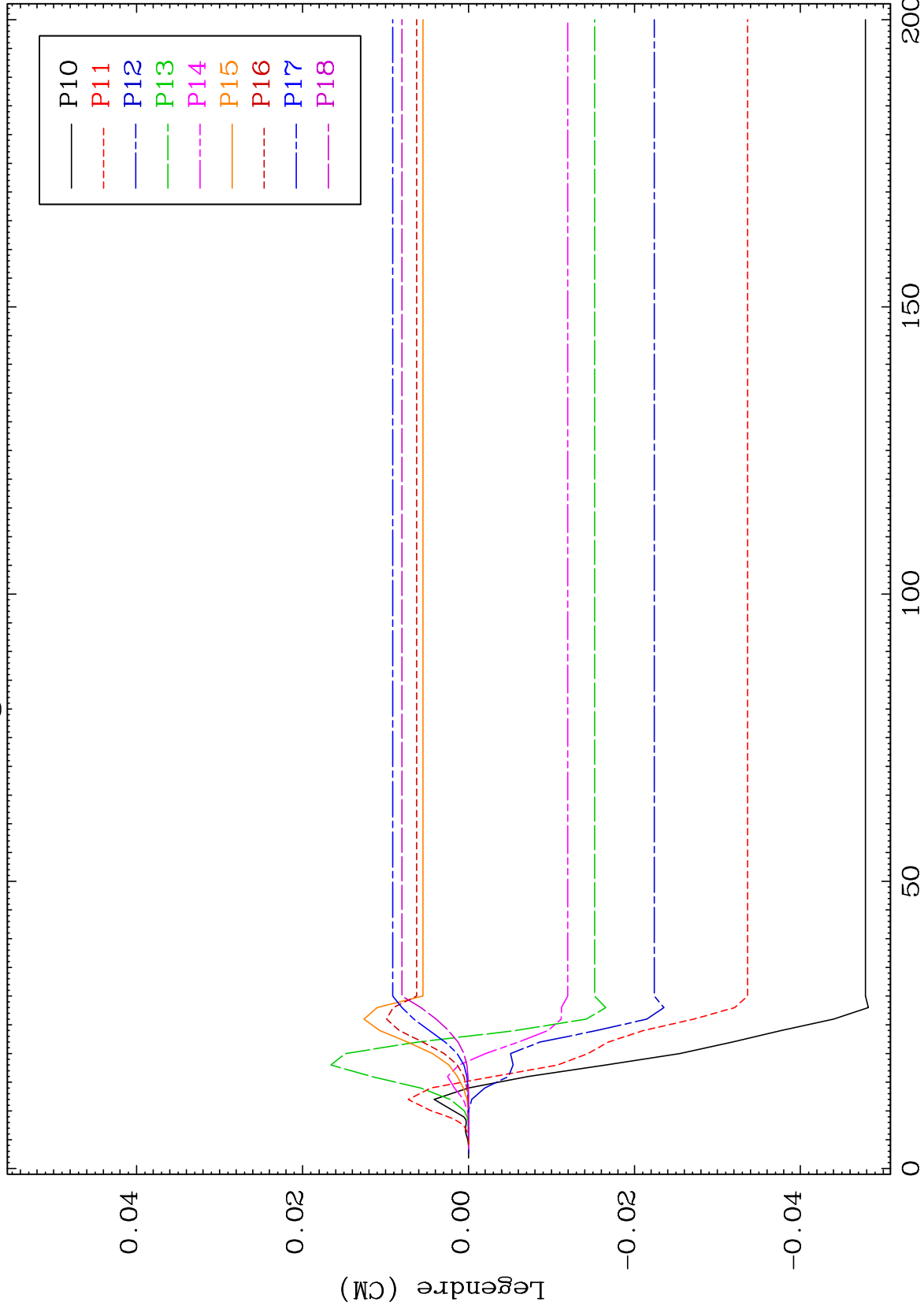




MAT 4531

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

45-Rh-105



89

Incident Energy (MeV)

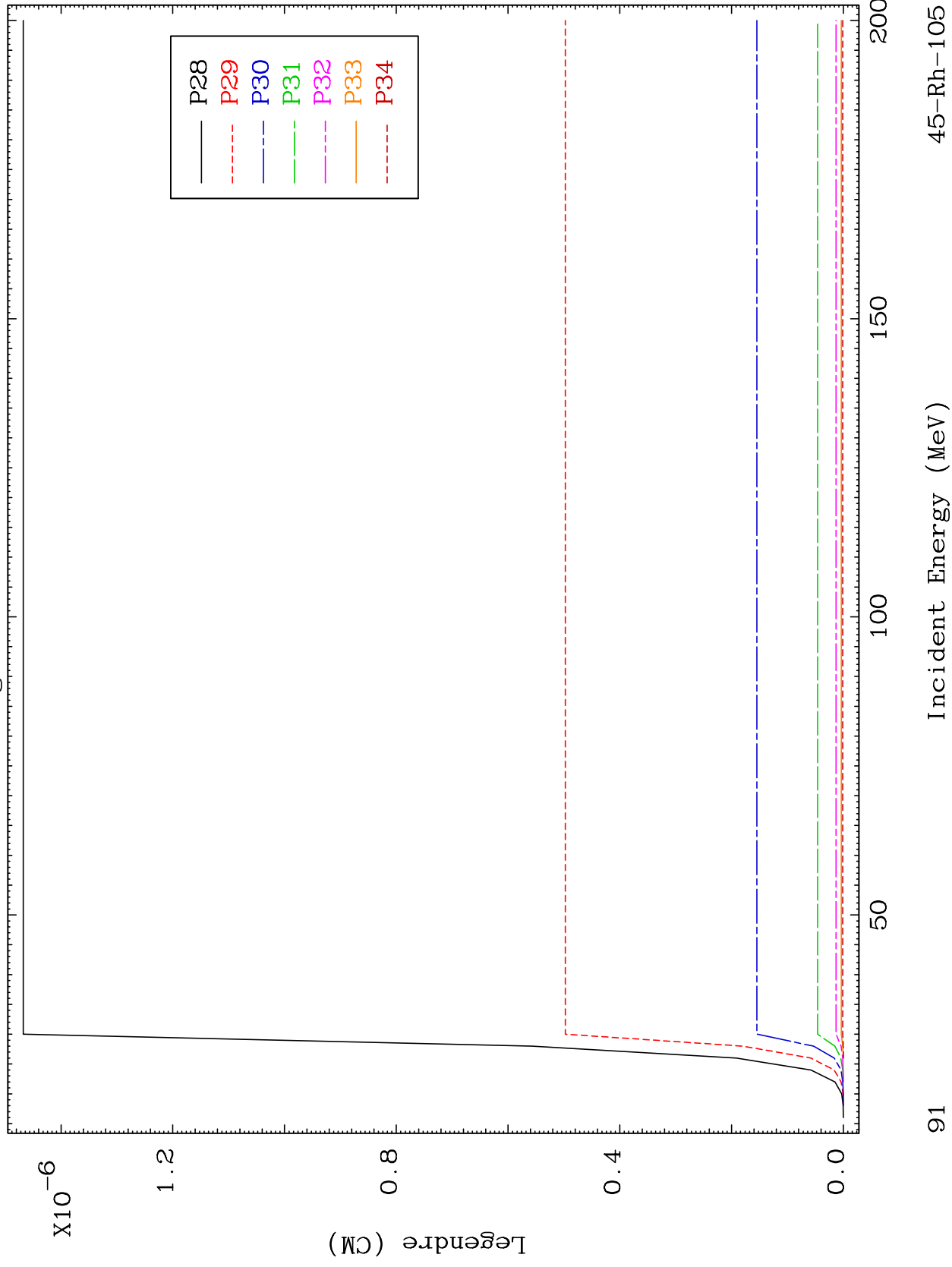
45-Rh-105

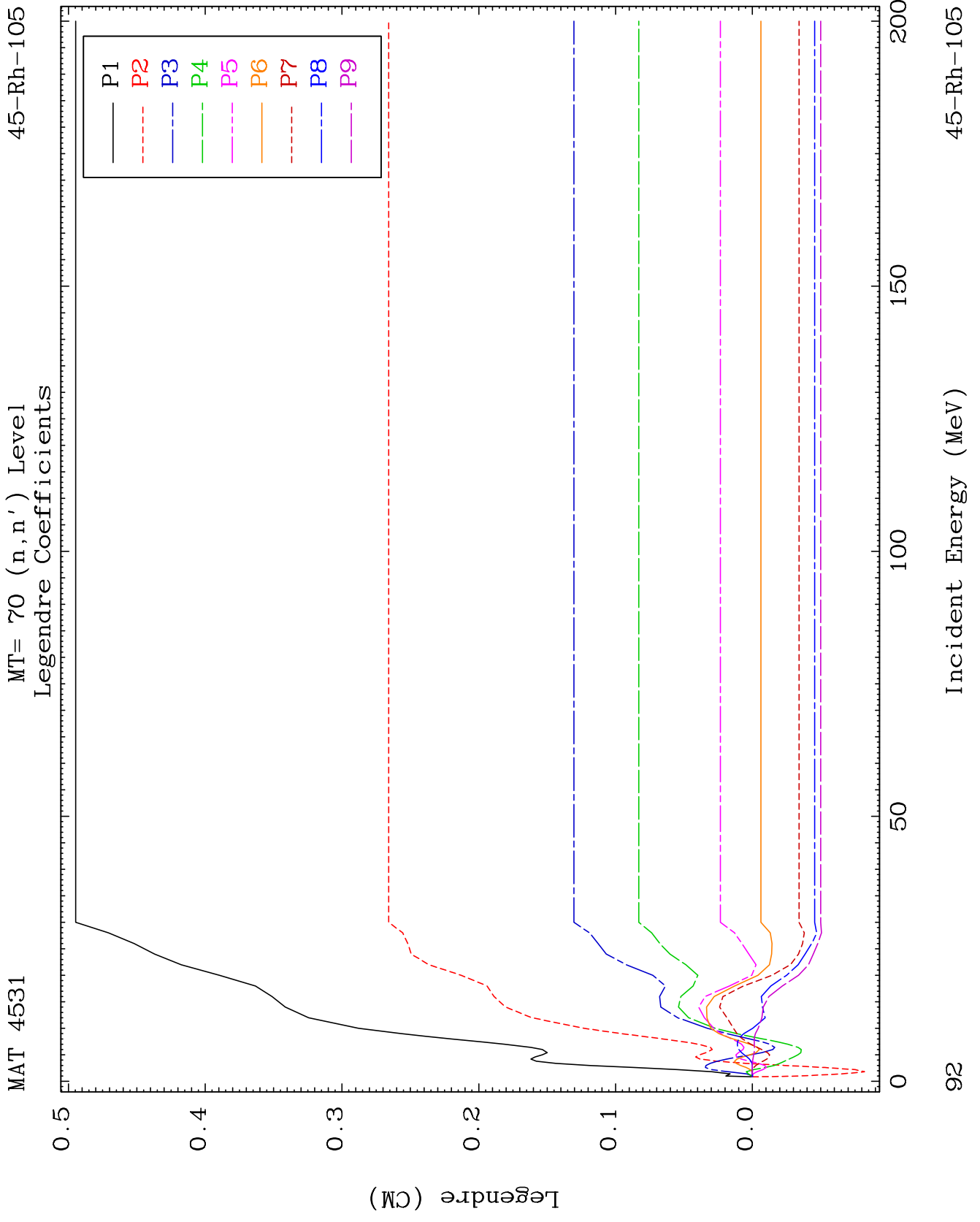


MAT 4531

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

45-Rh-105

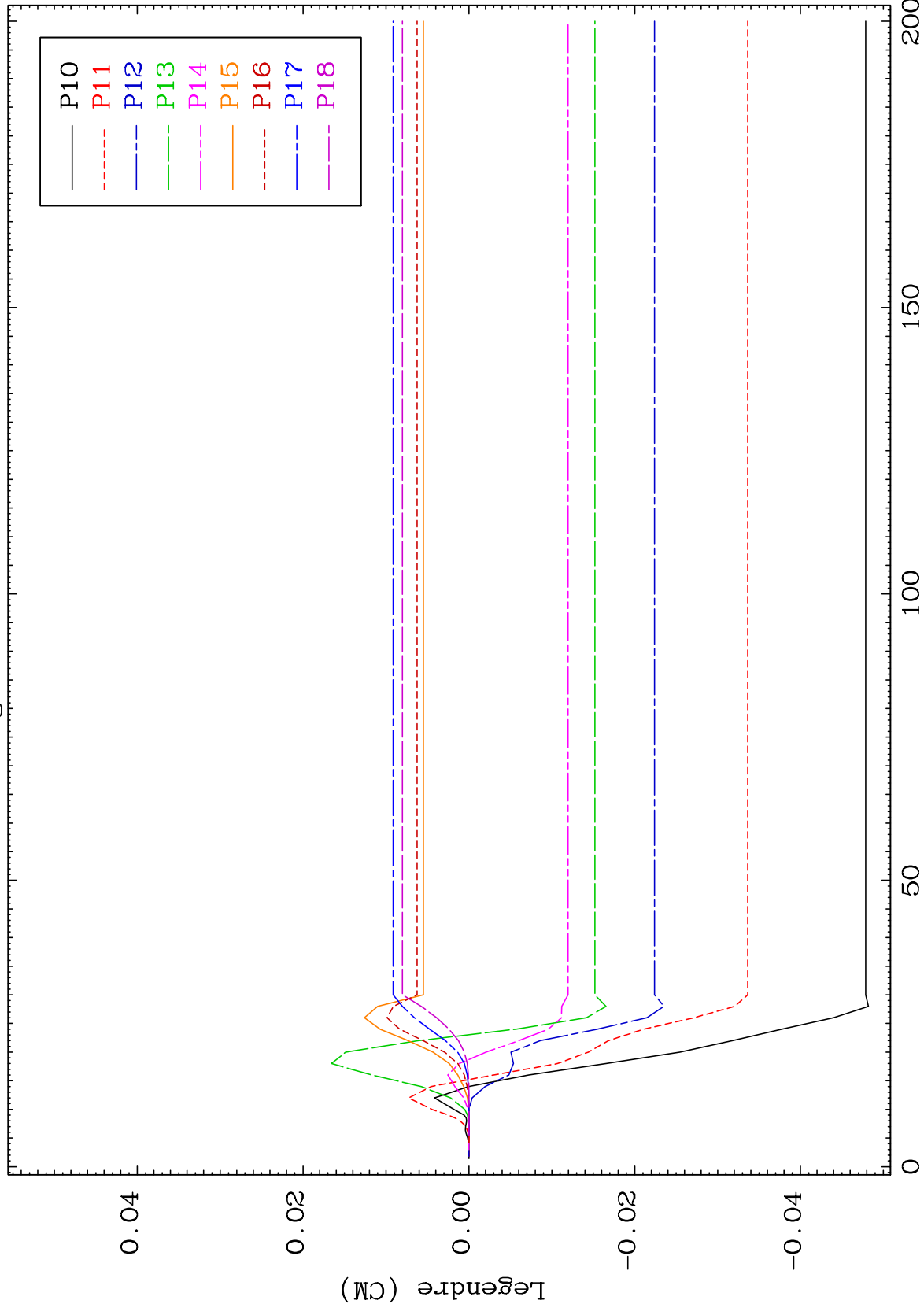




MAT 4531

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

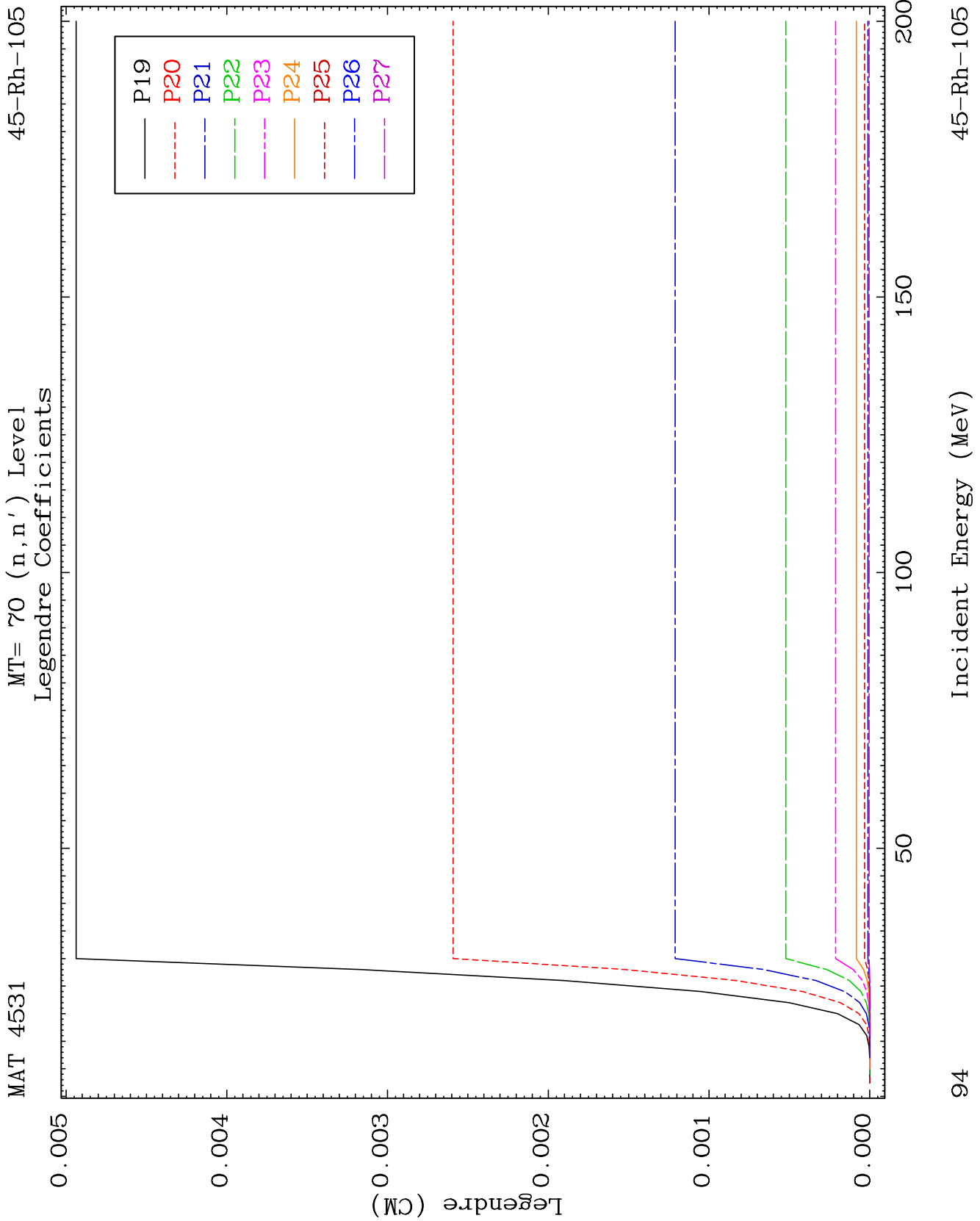
45-Rh-105



93

Incident Energy (MeV)

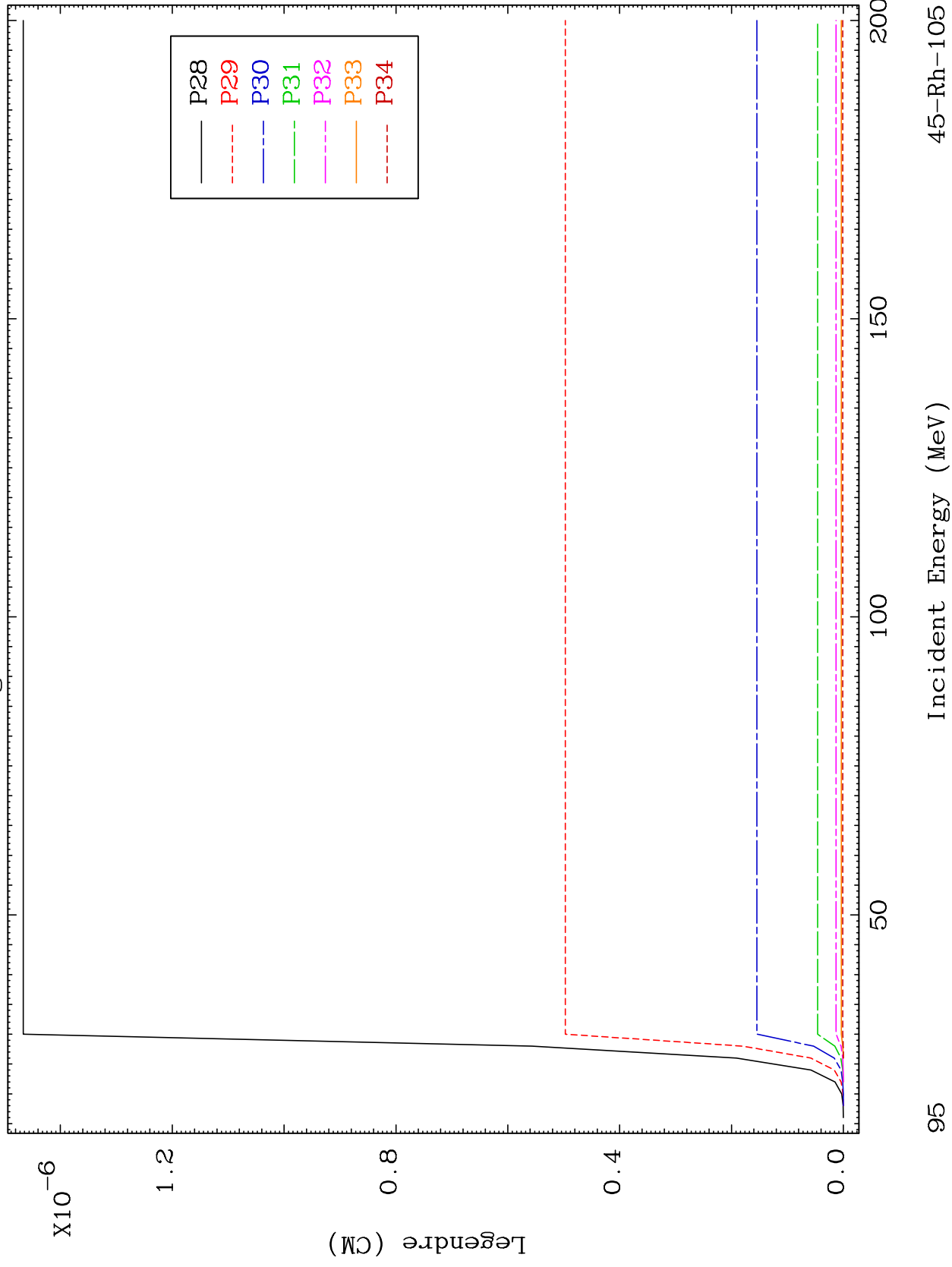
45-Rh-105



MAT 4531

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

45-Rh-105

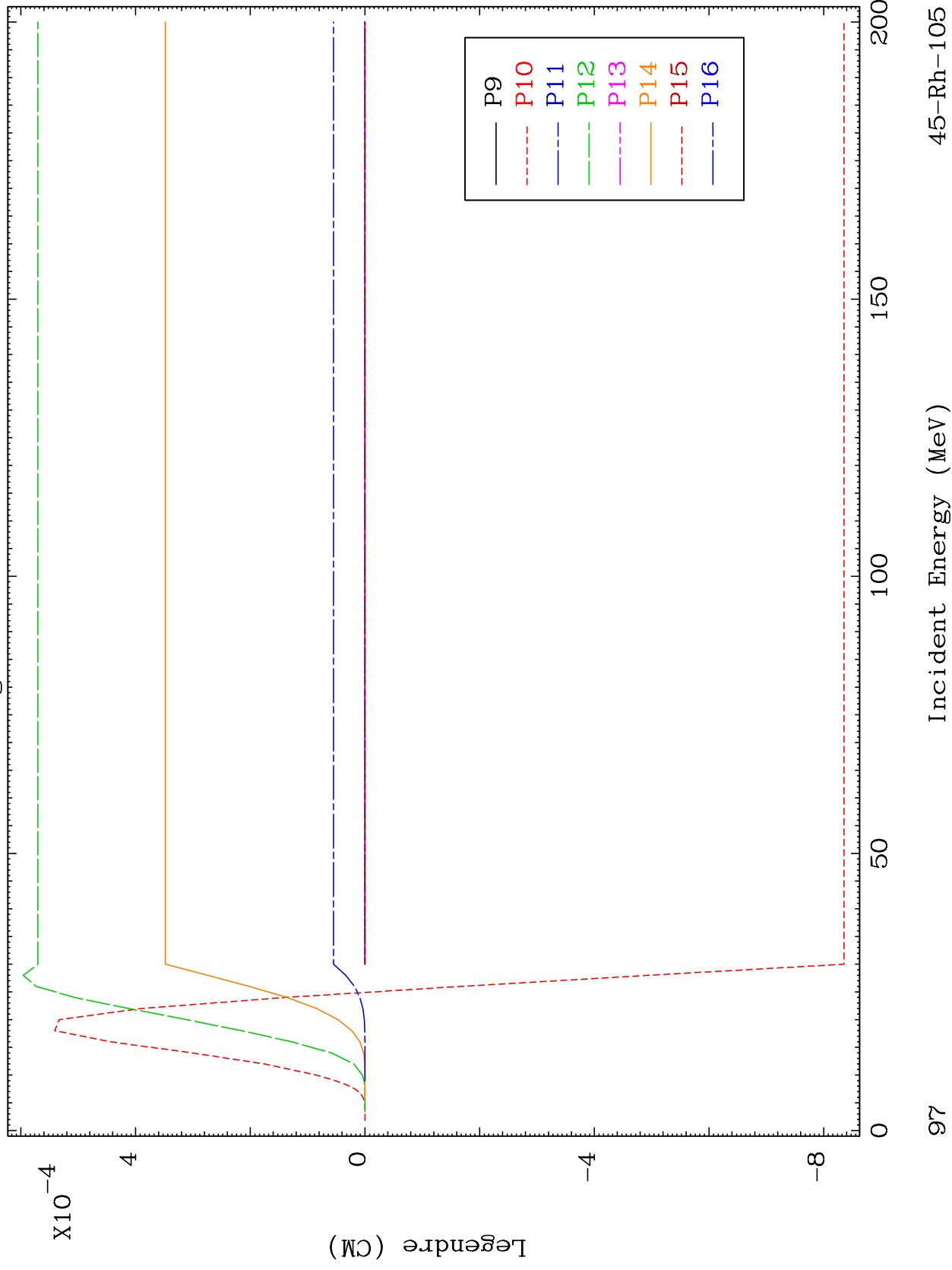




MAT 4531

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

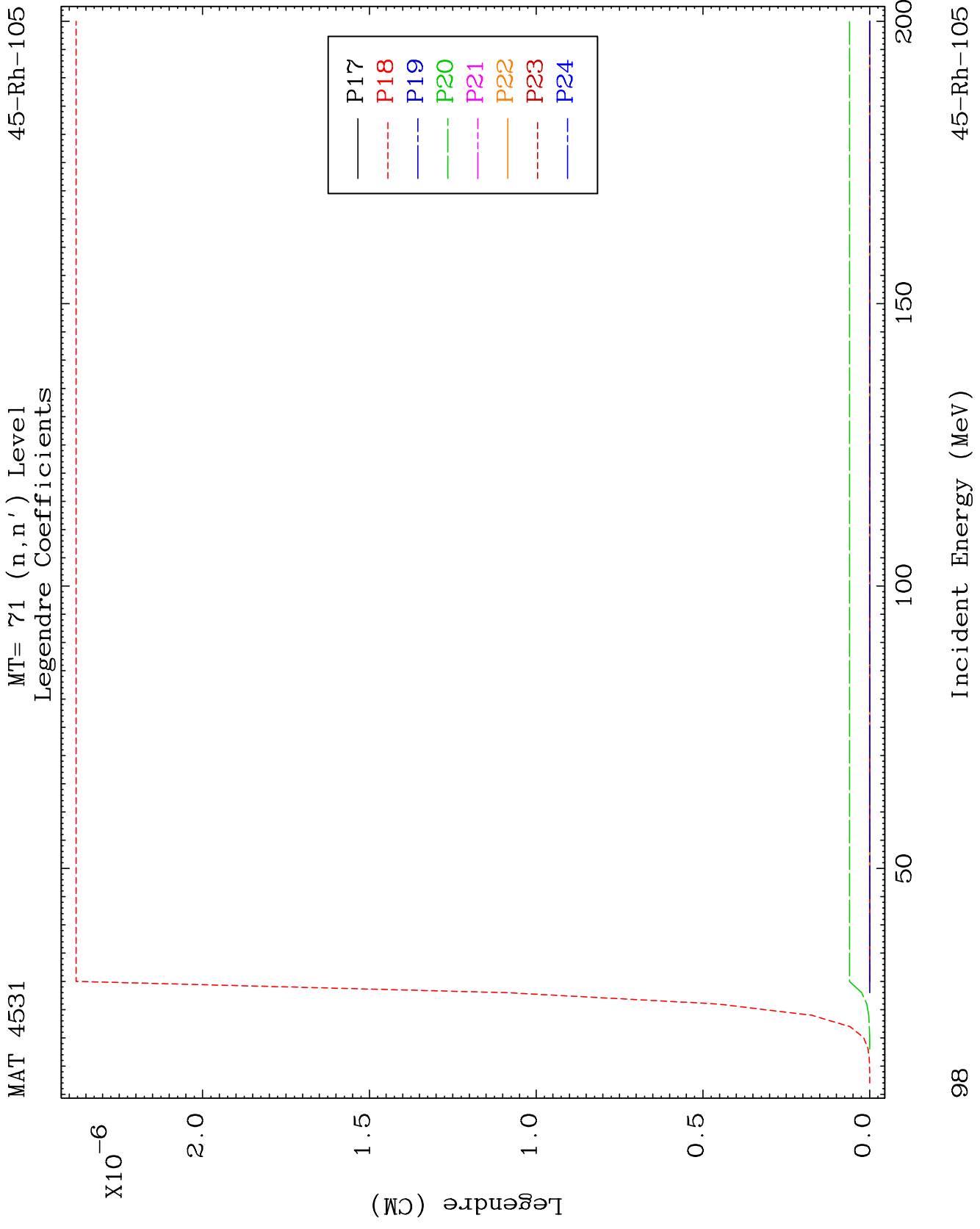
45-Rh-105



97

Incident Energy (MeV)

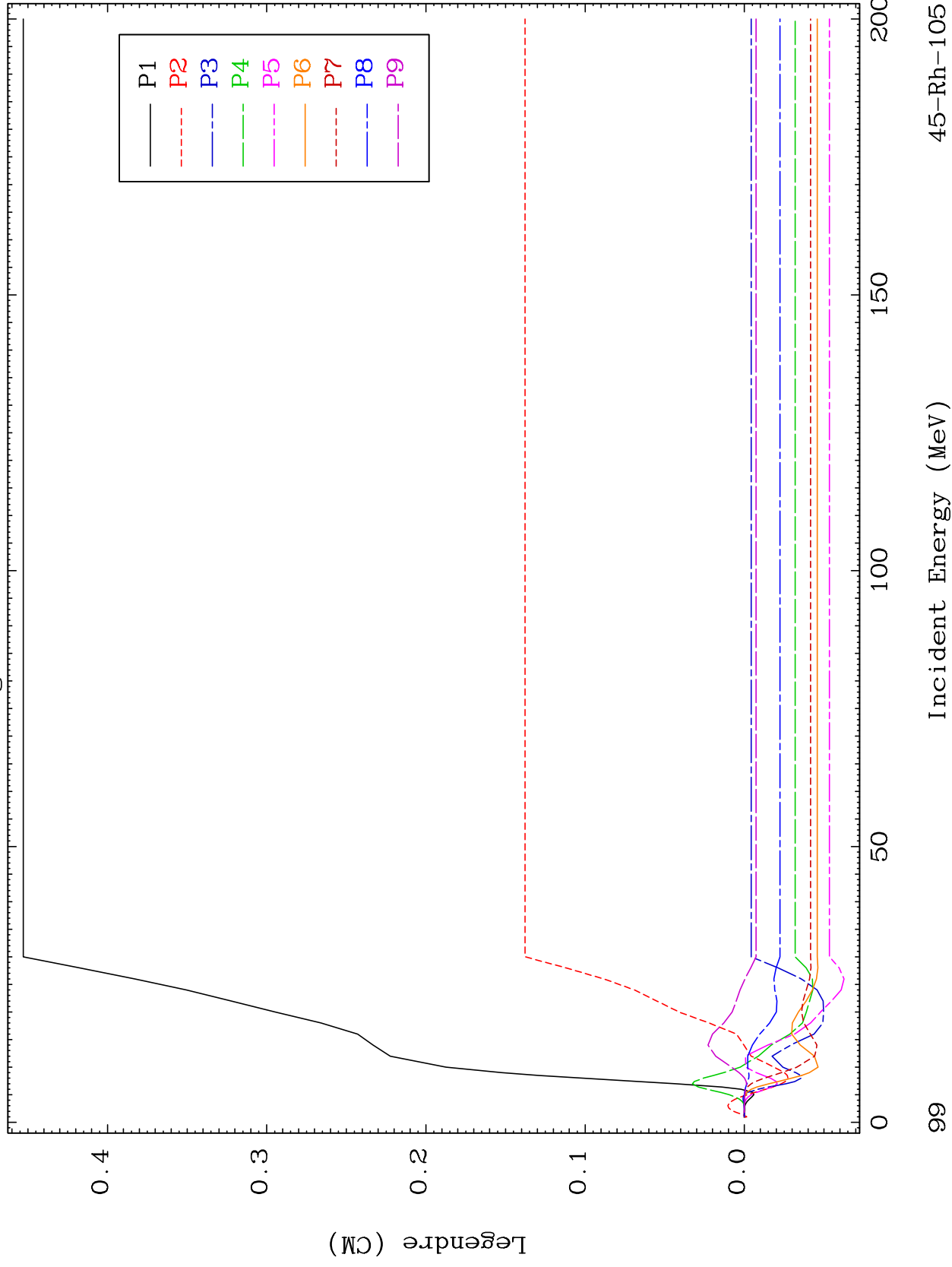
45-Rh-105



MAT 4531

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

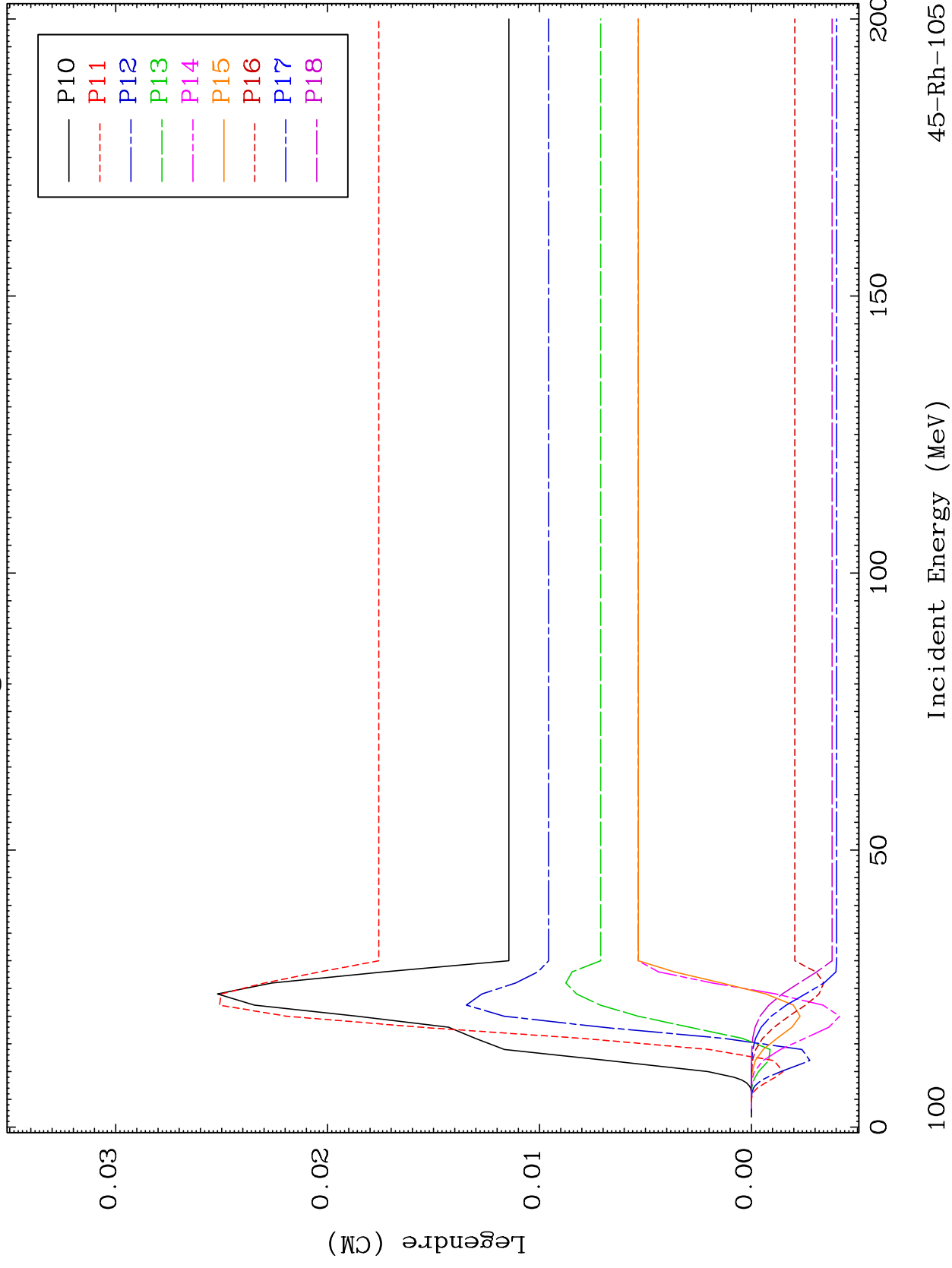
45-Rh-105



MAT 4531

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

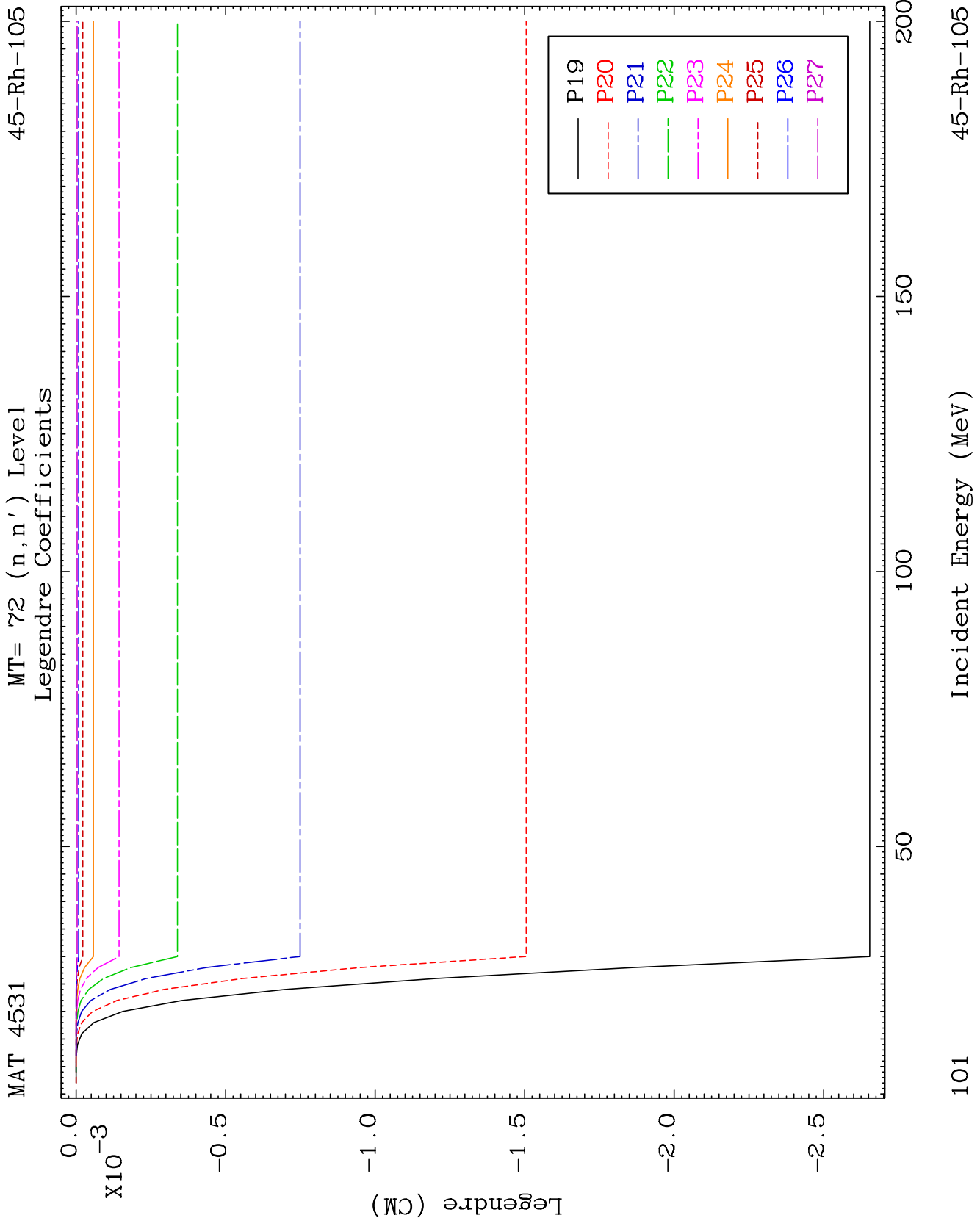
45-Rh-105

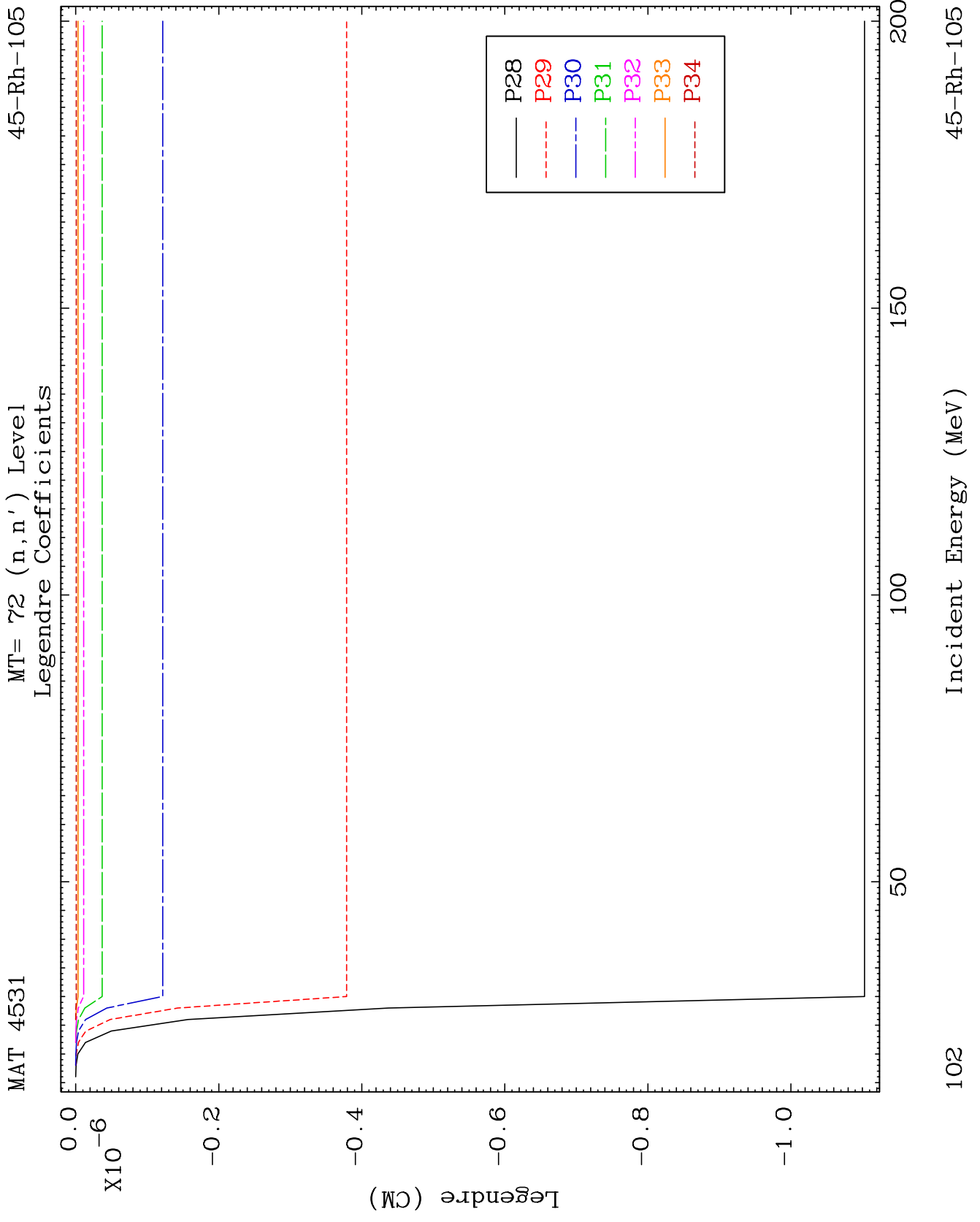


45-Rh-105

Incident Energy (MeV)

100

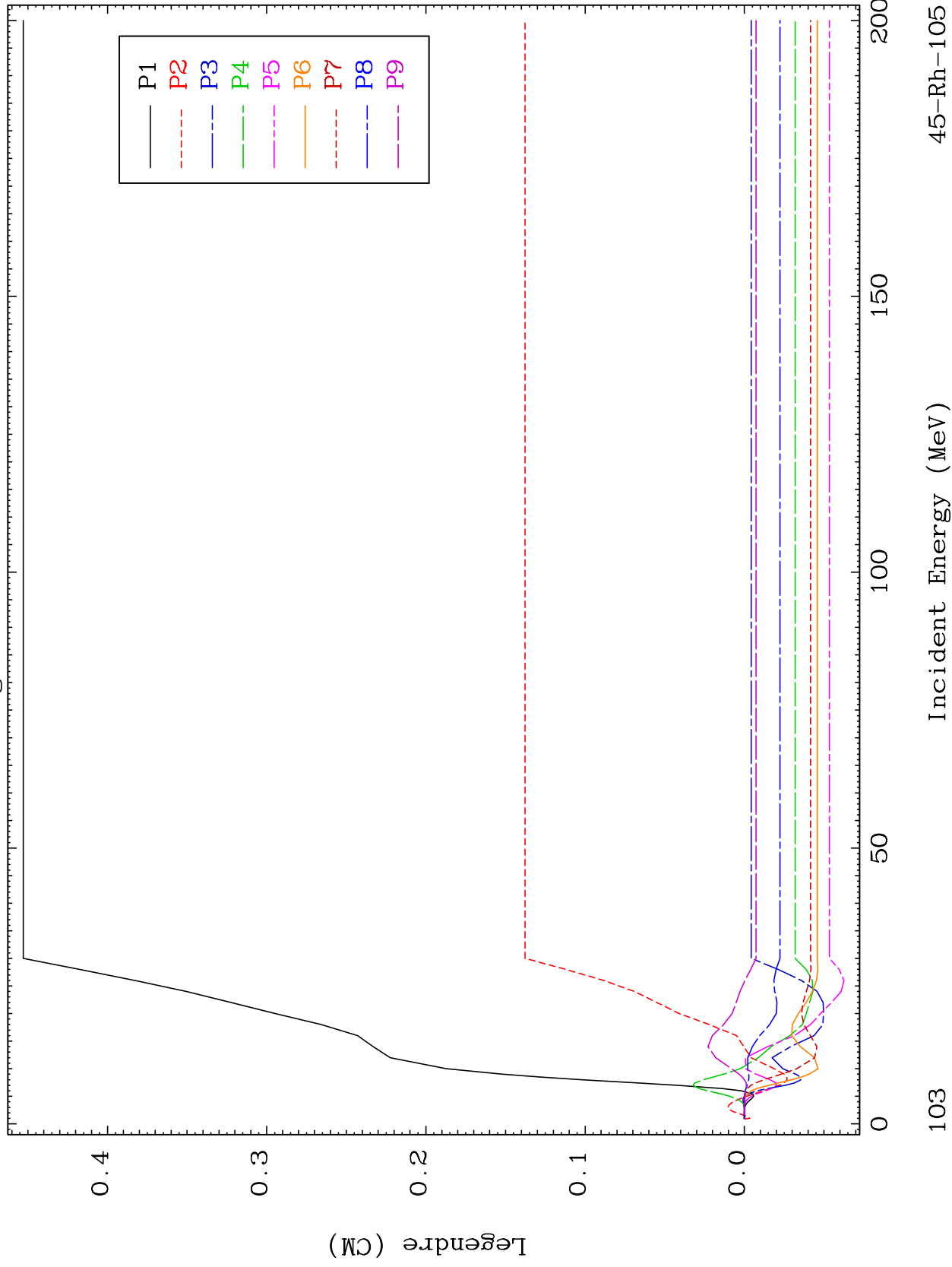




MAT 4531

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

45-Rh-105



103

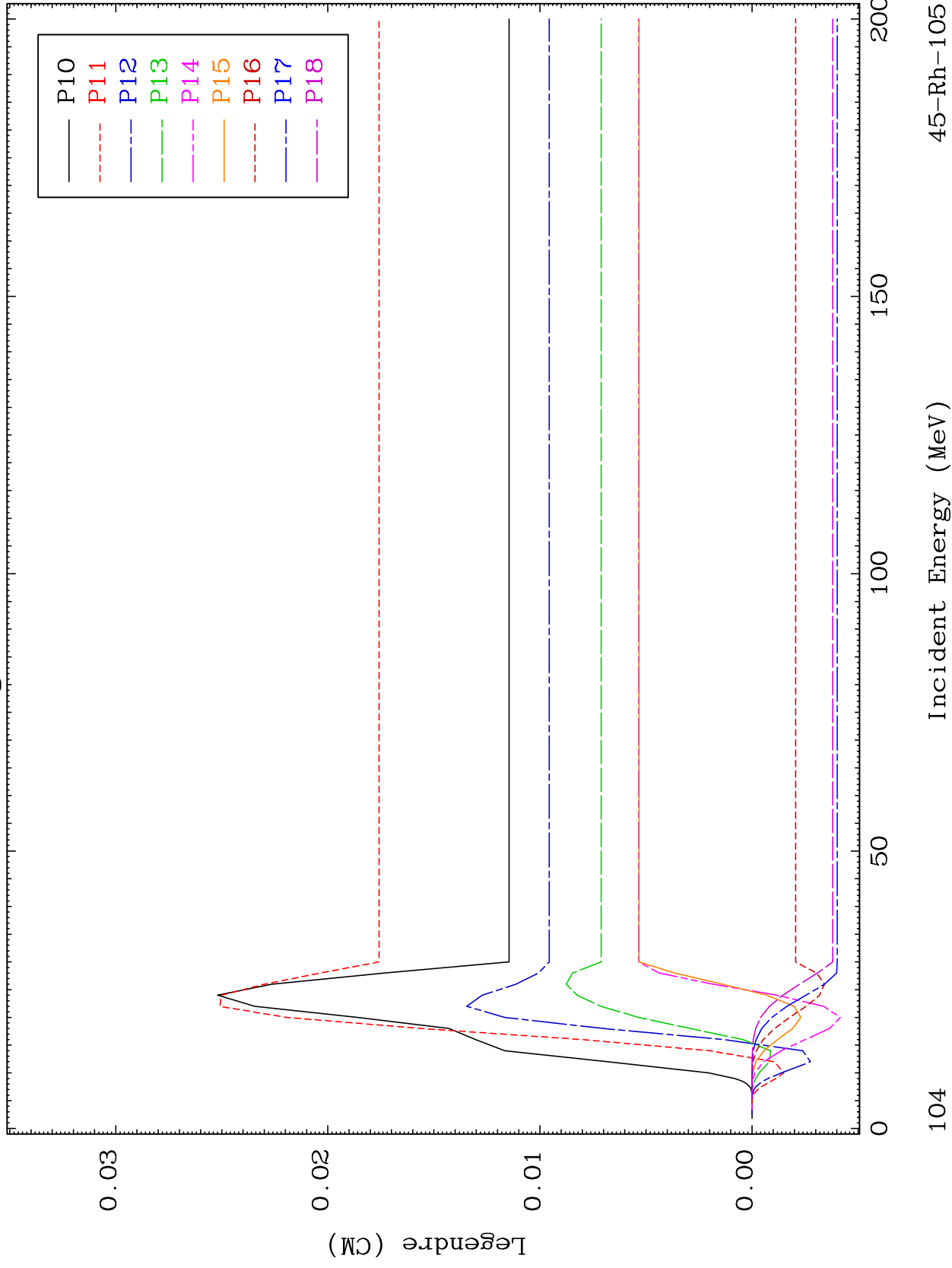
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

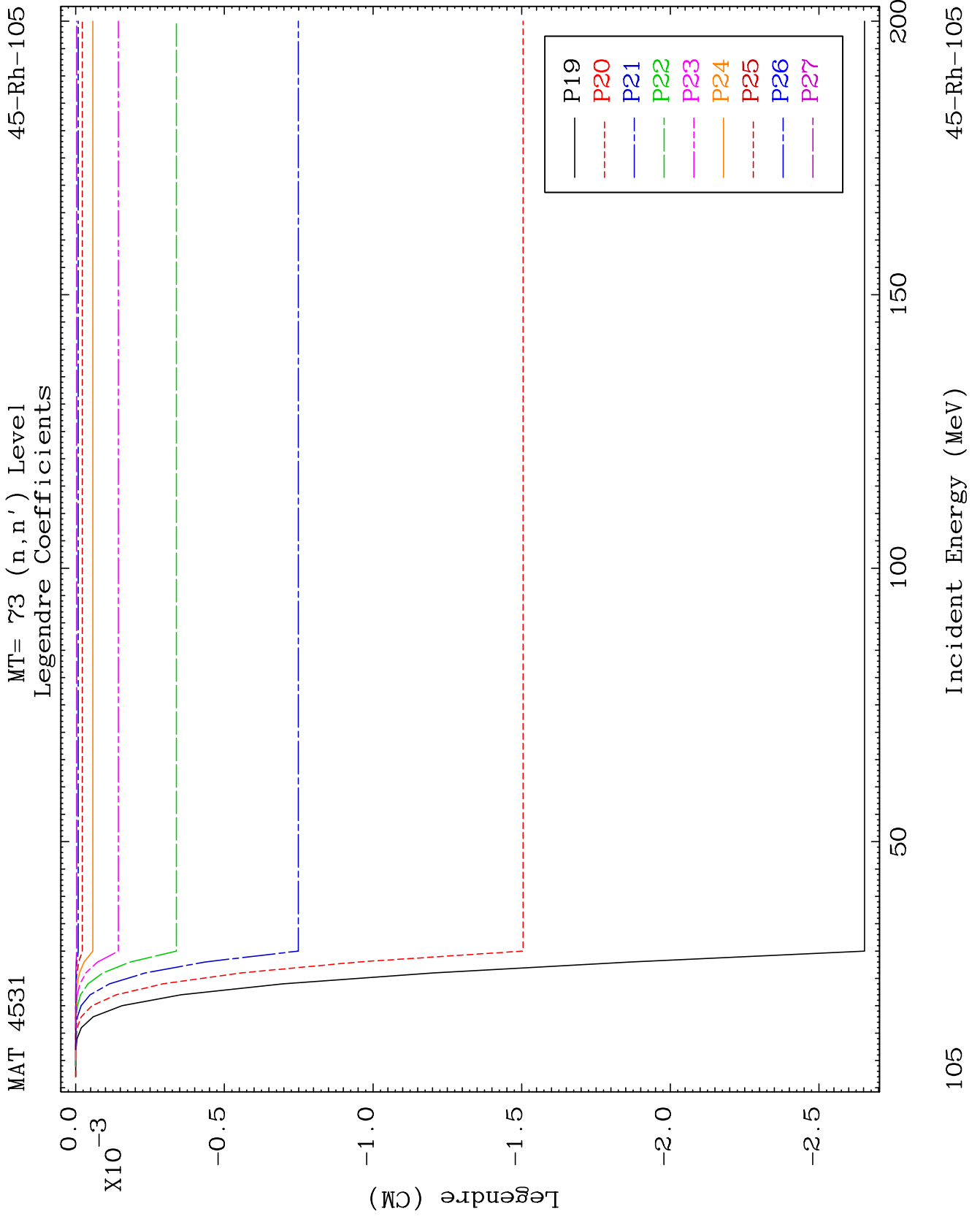
45-Rh-105

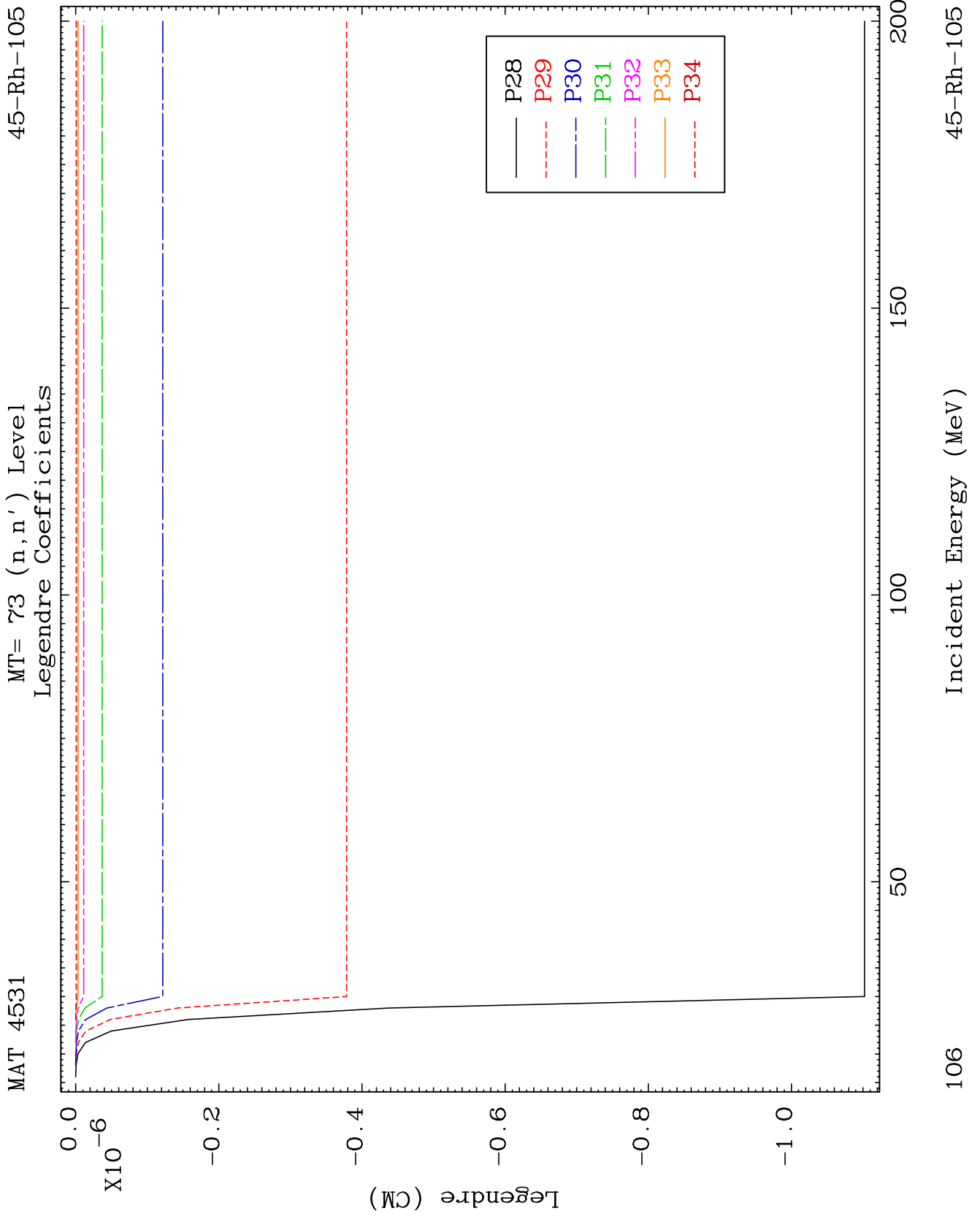


104

Incident Energy (MeV)

45-Rh-105



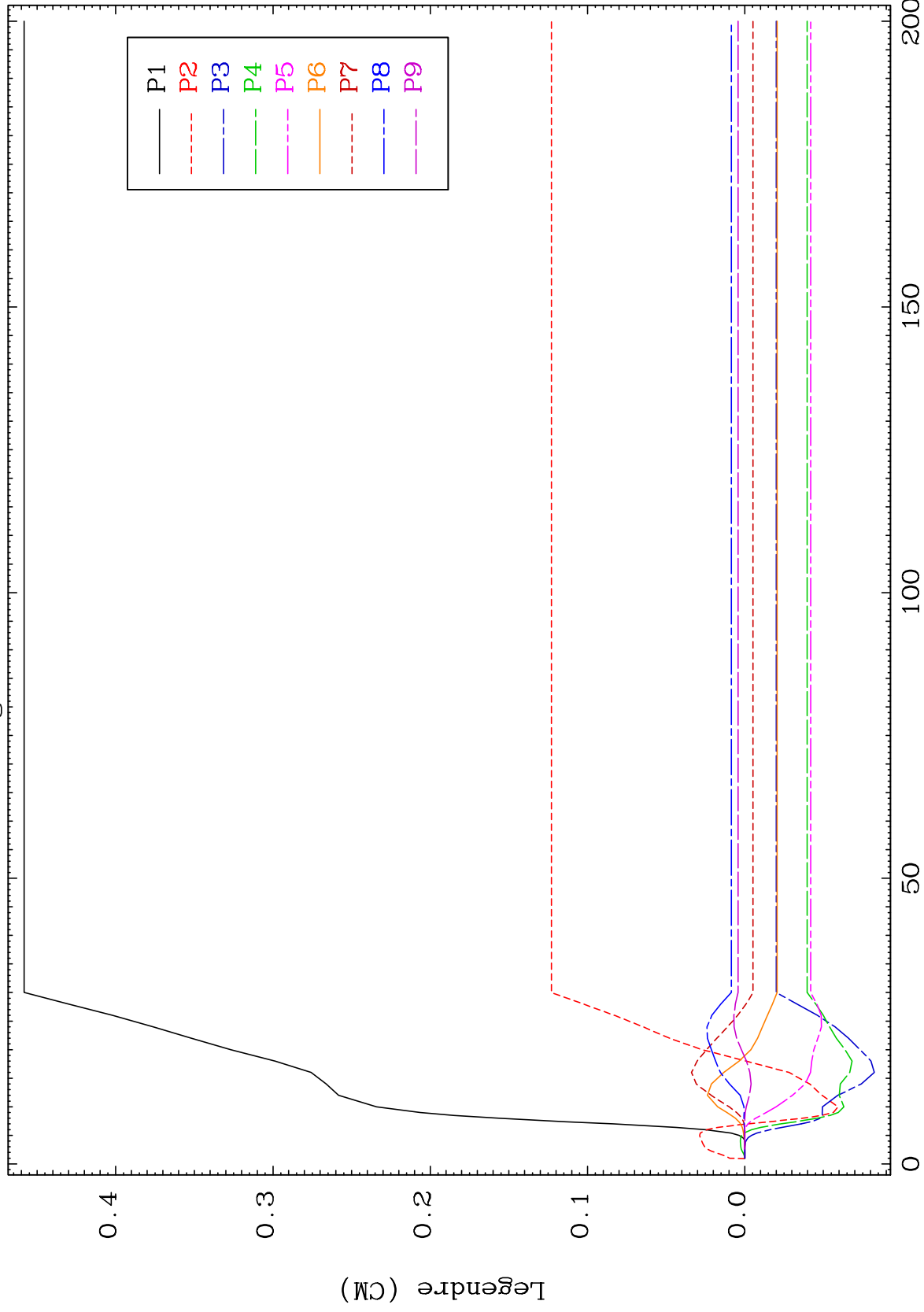


MAT 4531

MT= 74 (n,n') Level

45-Rh-105

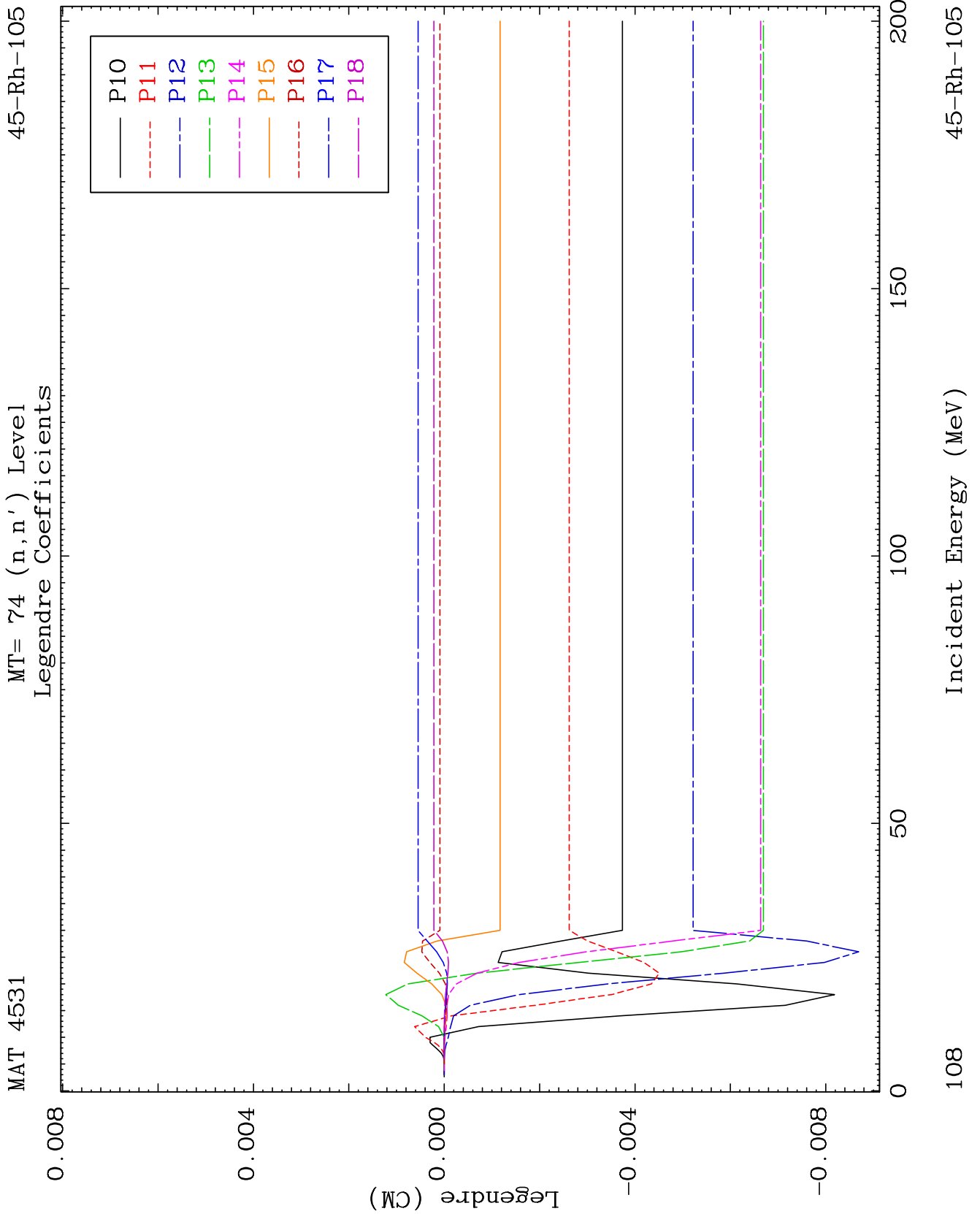
Legendre Coefficients



107

Incident Energy (MeV)

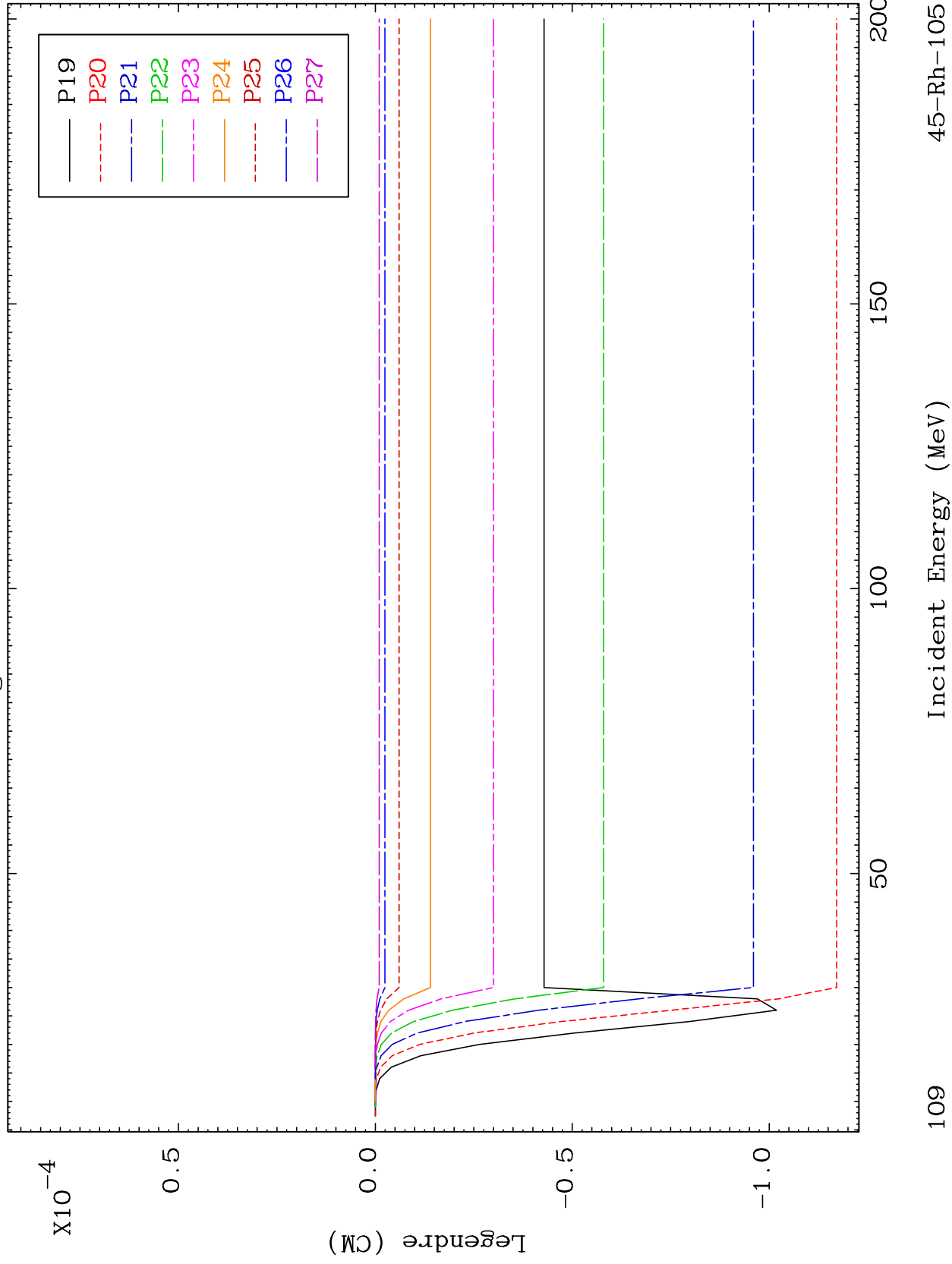
45-Rh-105

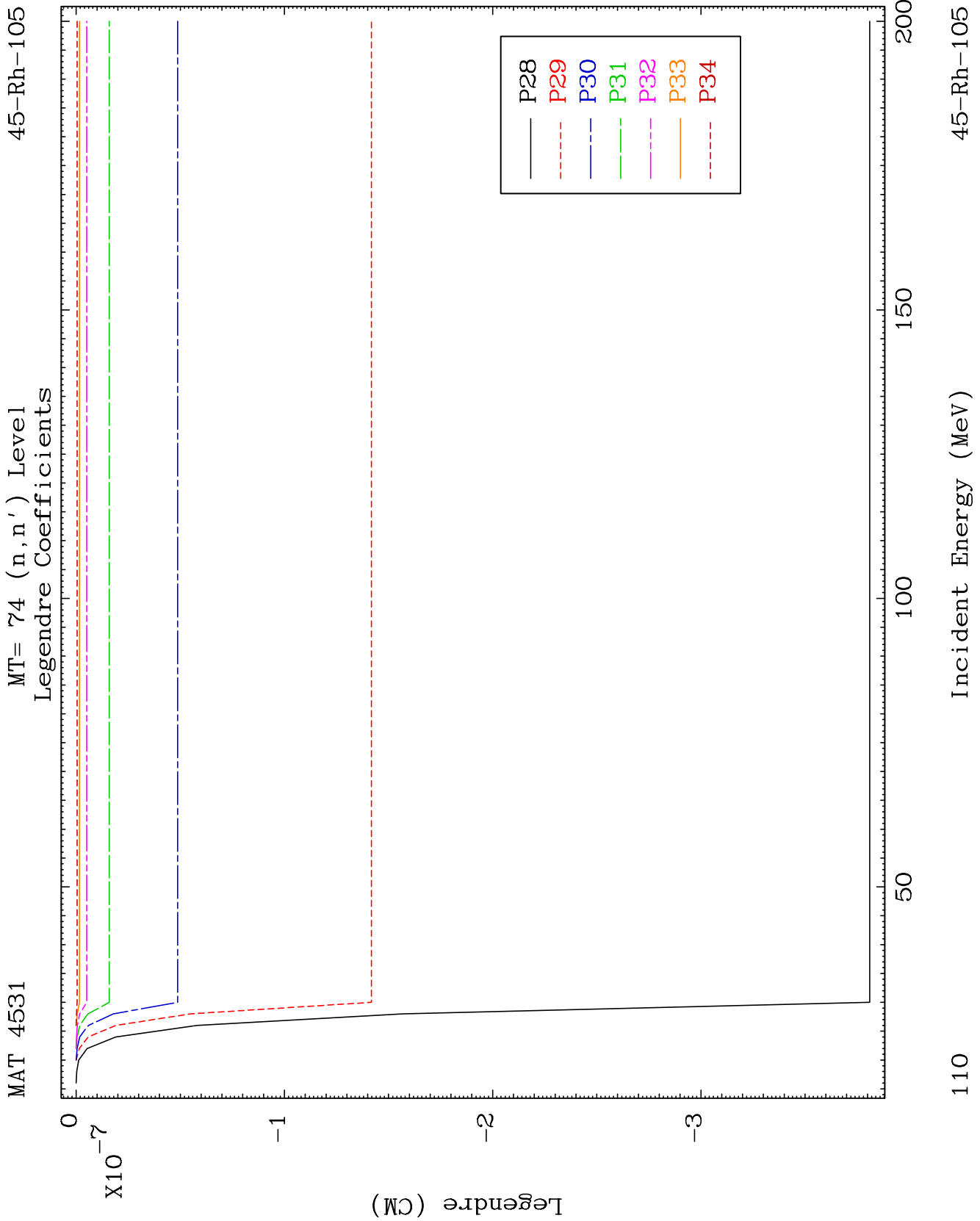


MAT 4531

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

45-Rh-105

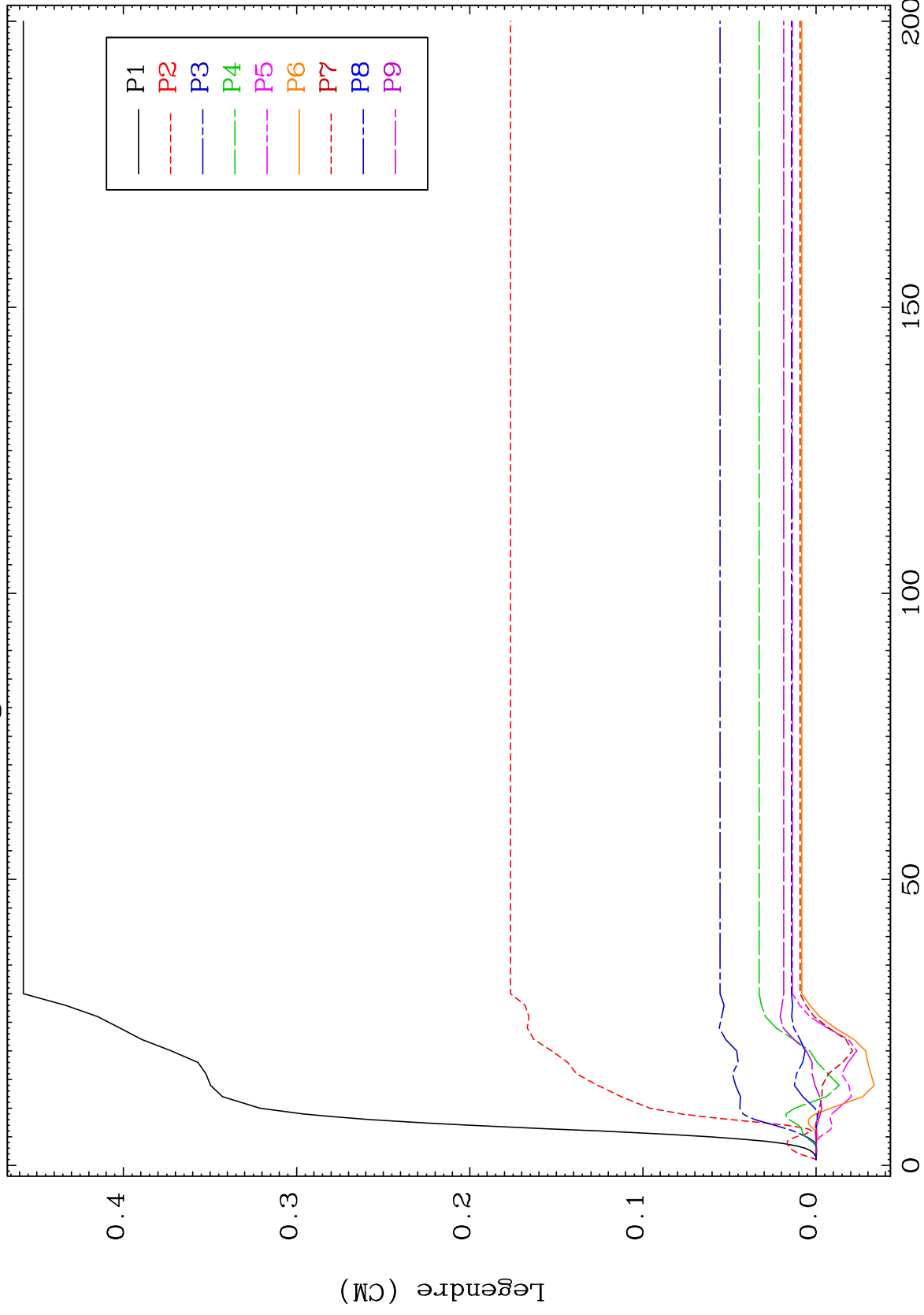




MAT 4531

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

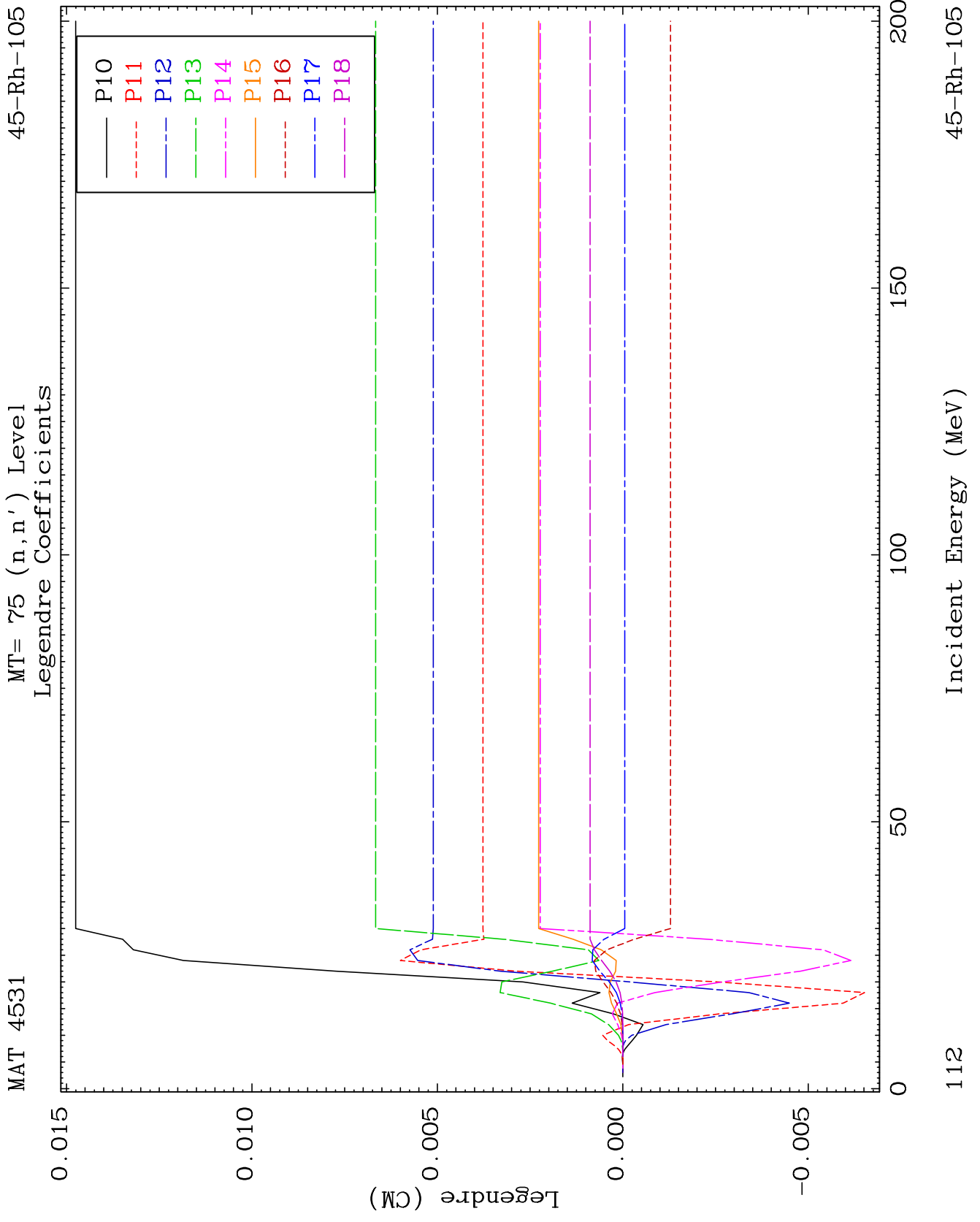
45-Rh-105



111

Incident Energy (MeV)

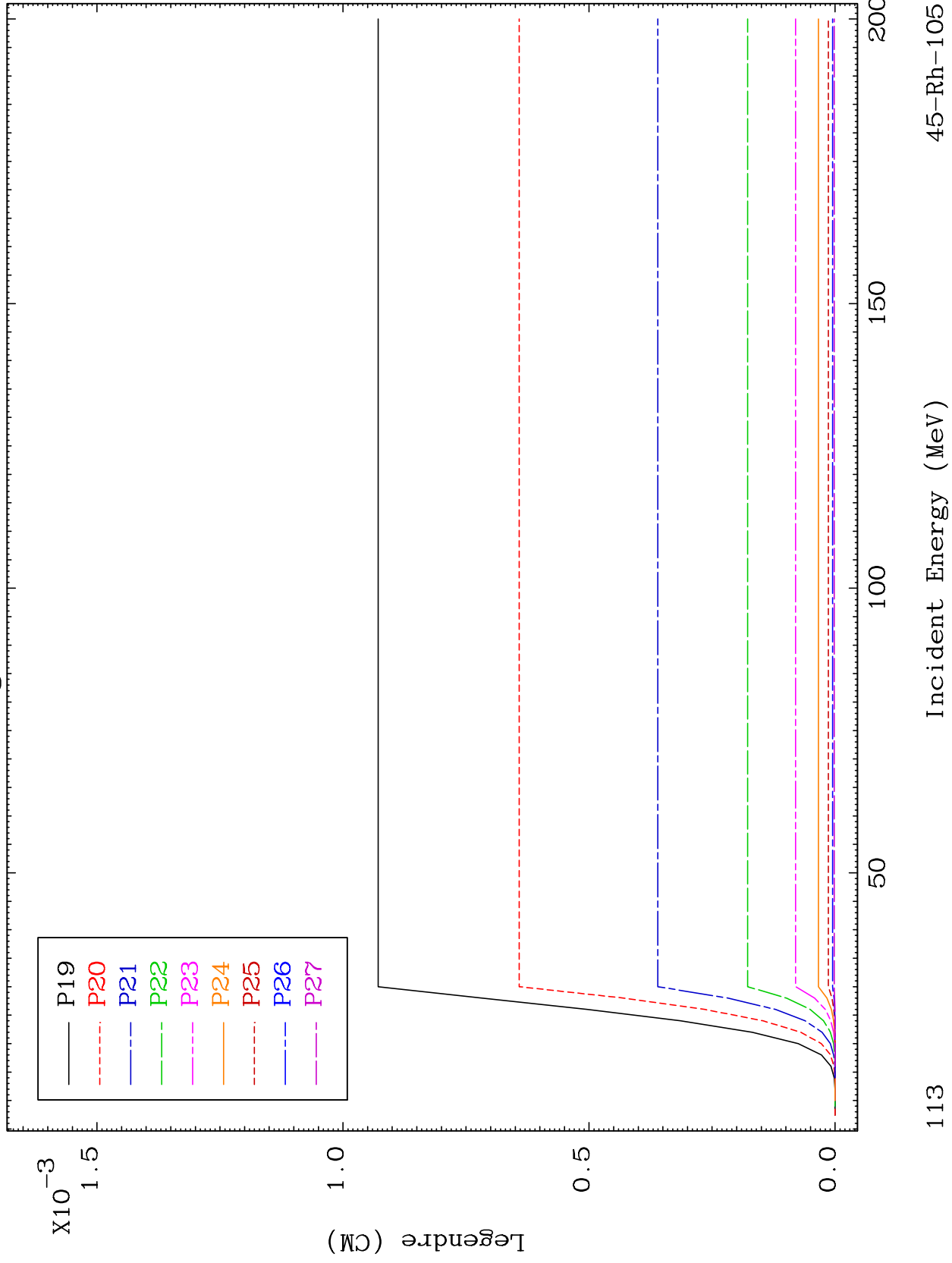
45-Rh-105



MAT 4531

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

45-Rh-105



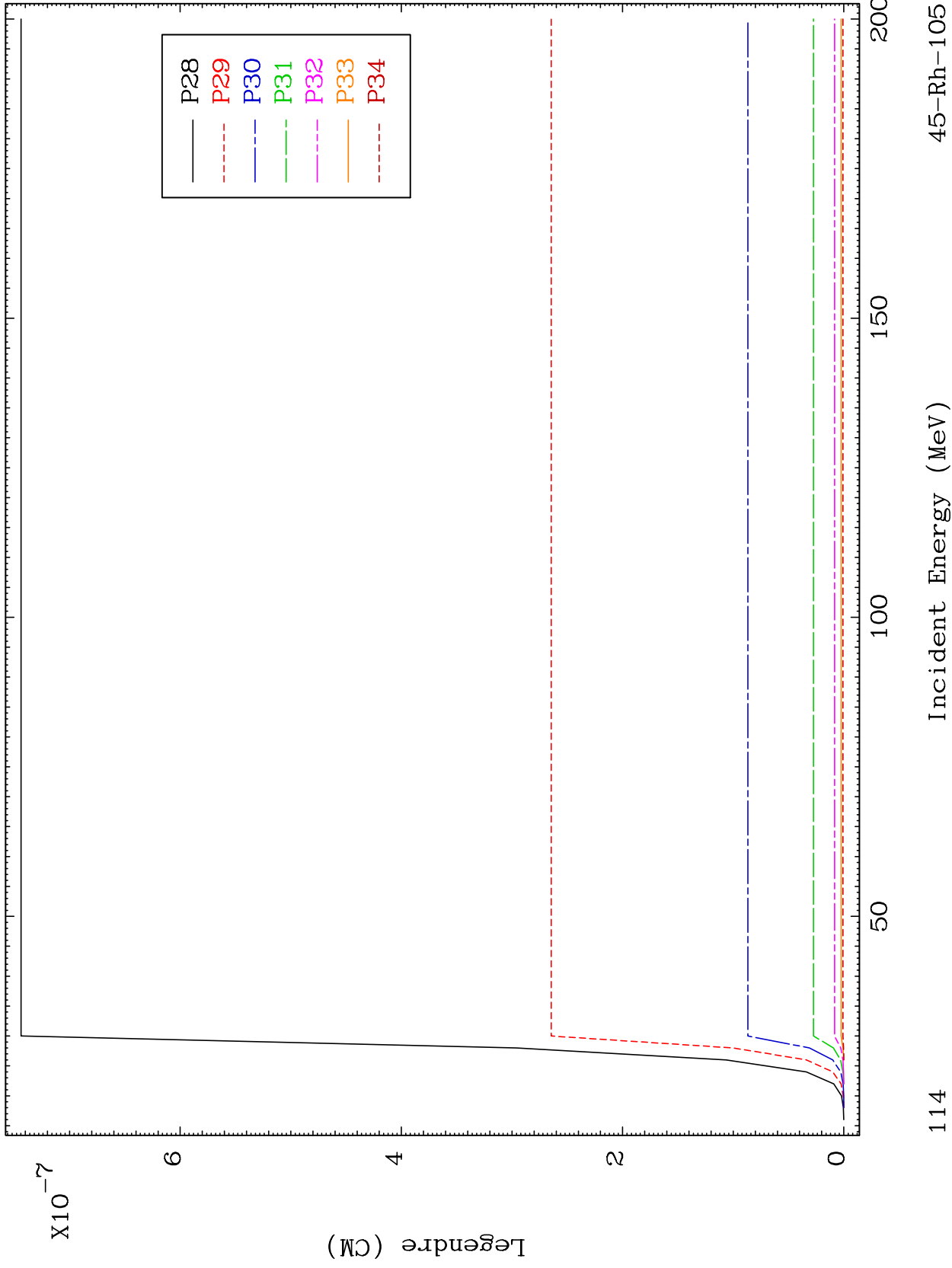
113

45-Rh-105

MAT 4531

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

45-Rh-105



114

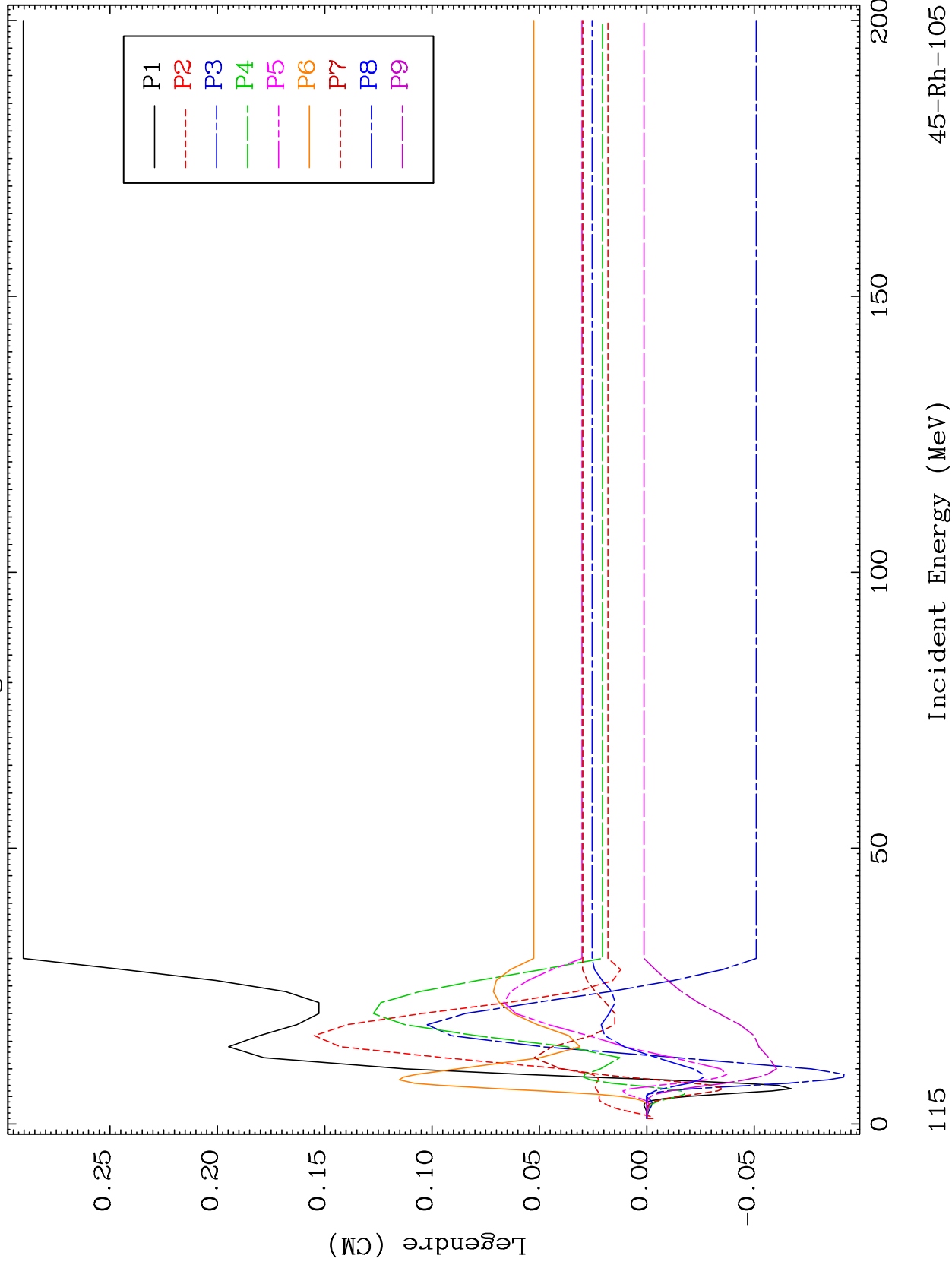
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

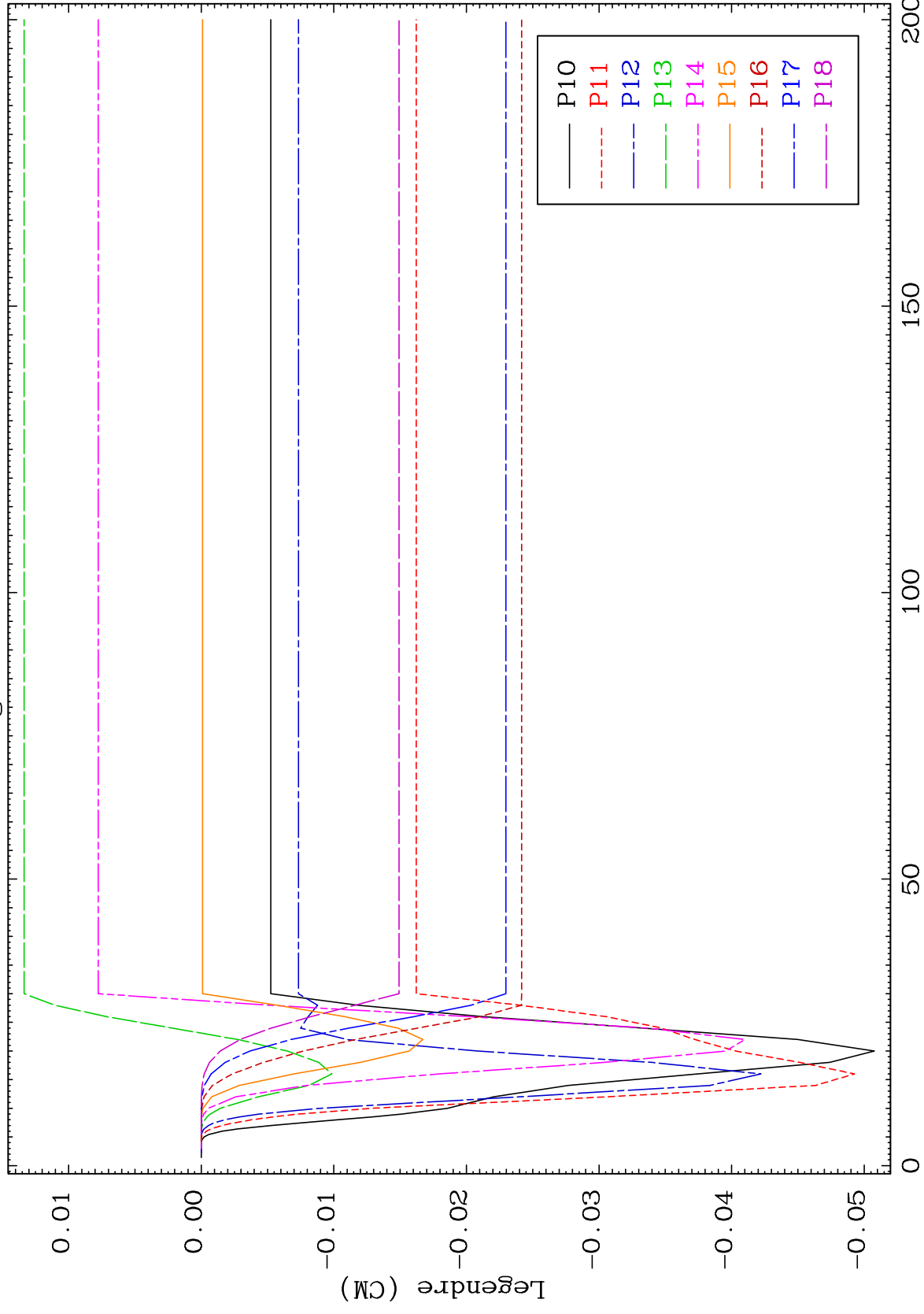
45-Rh-105



MAT 4531

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

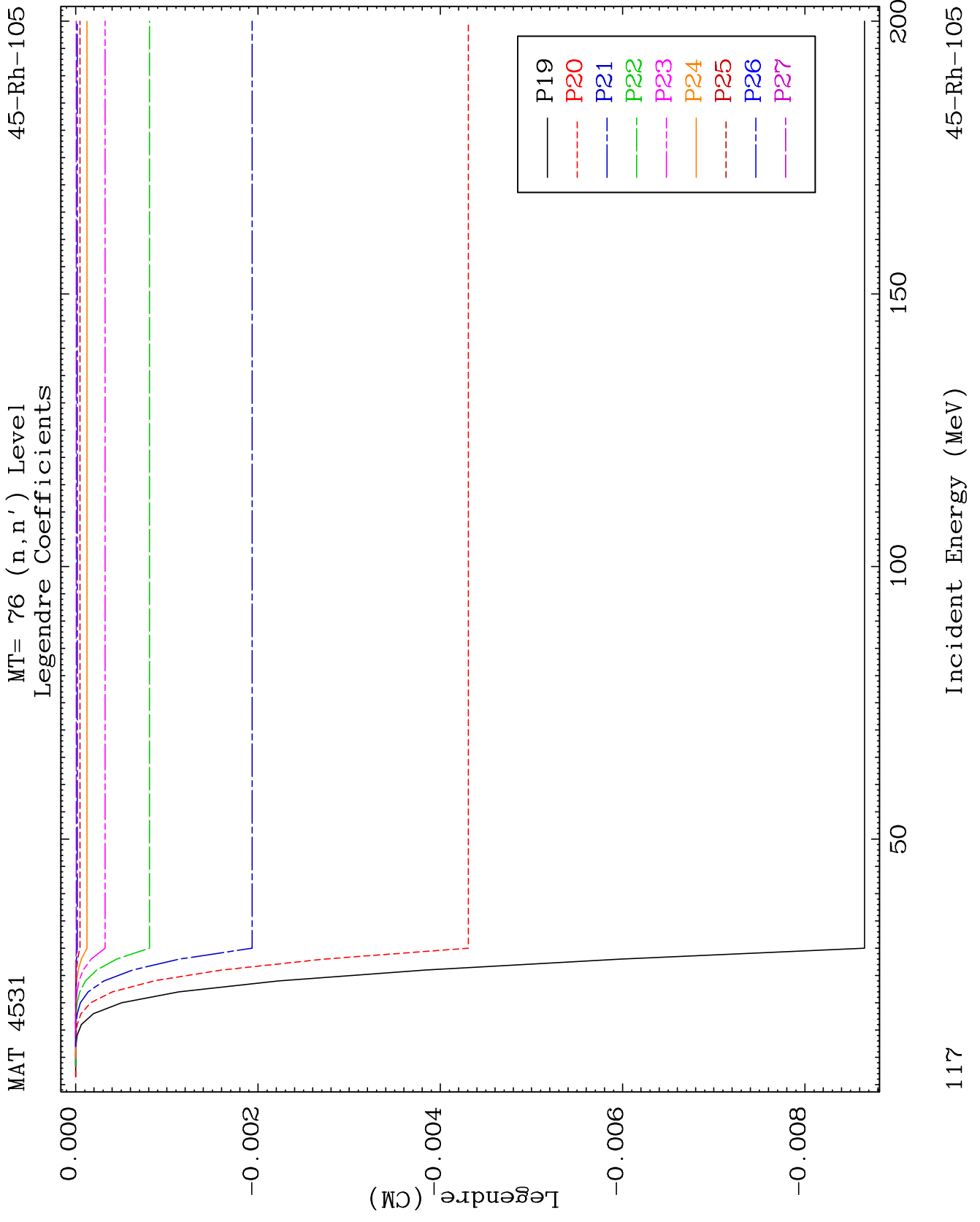
45-Rh-105

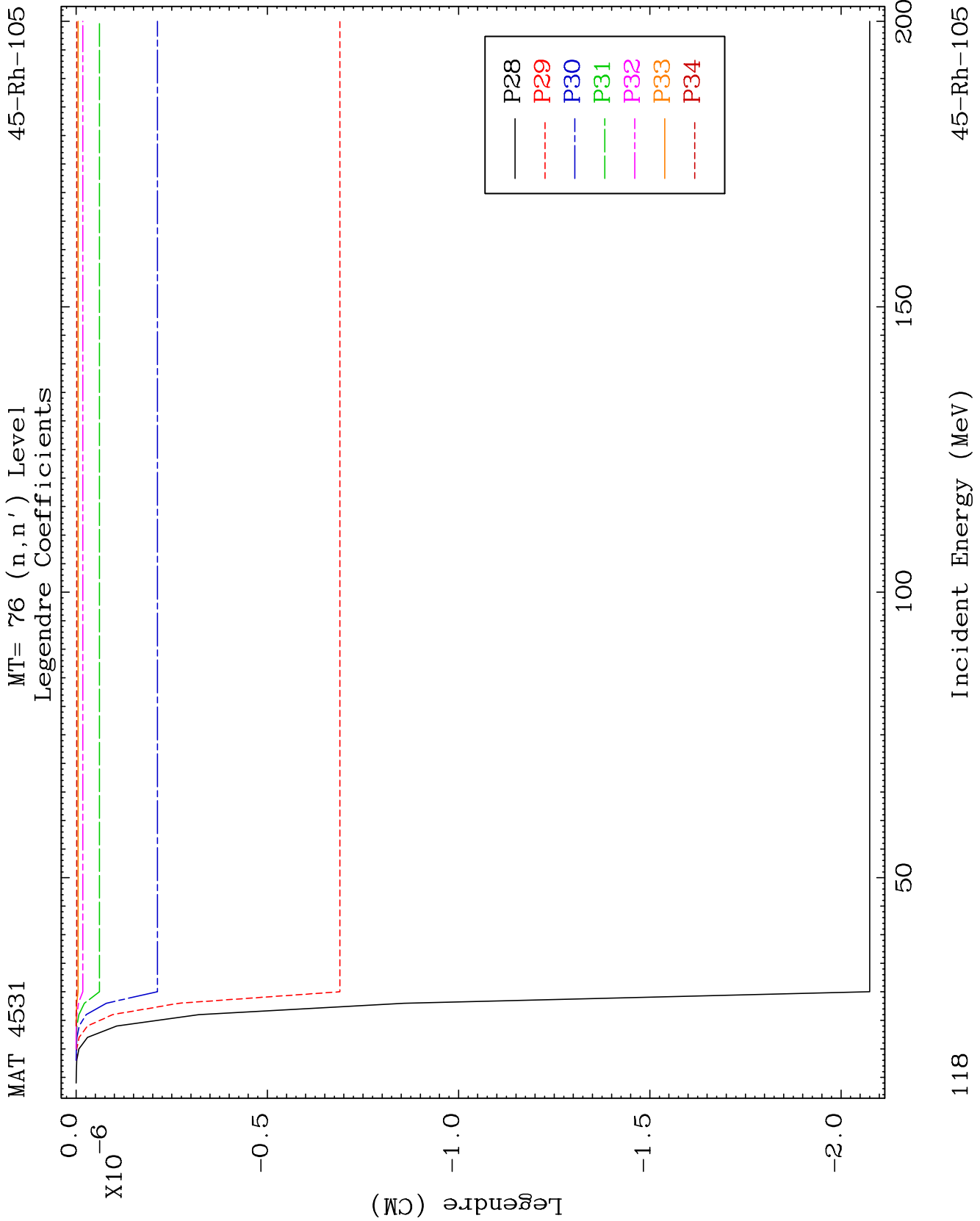


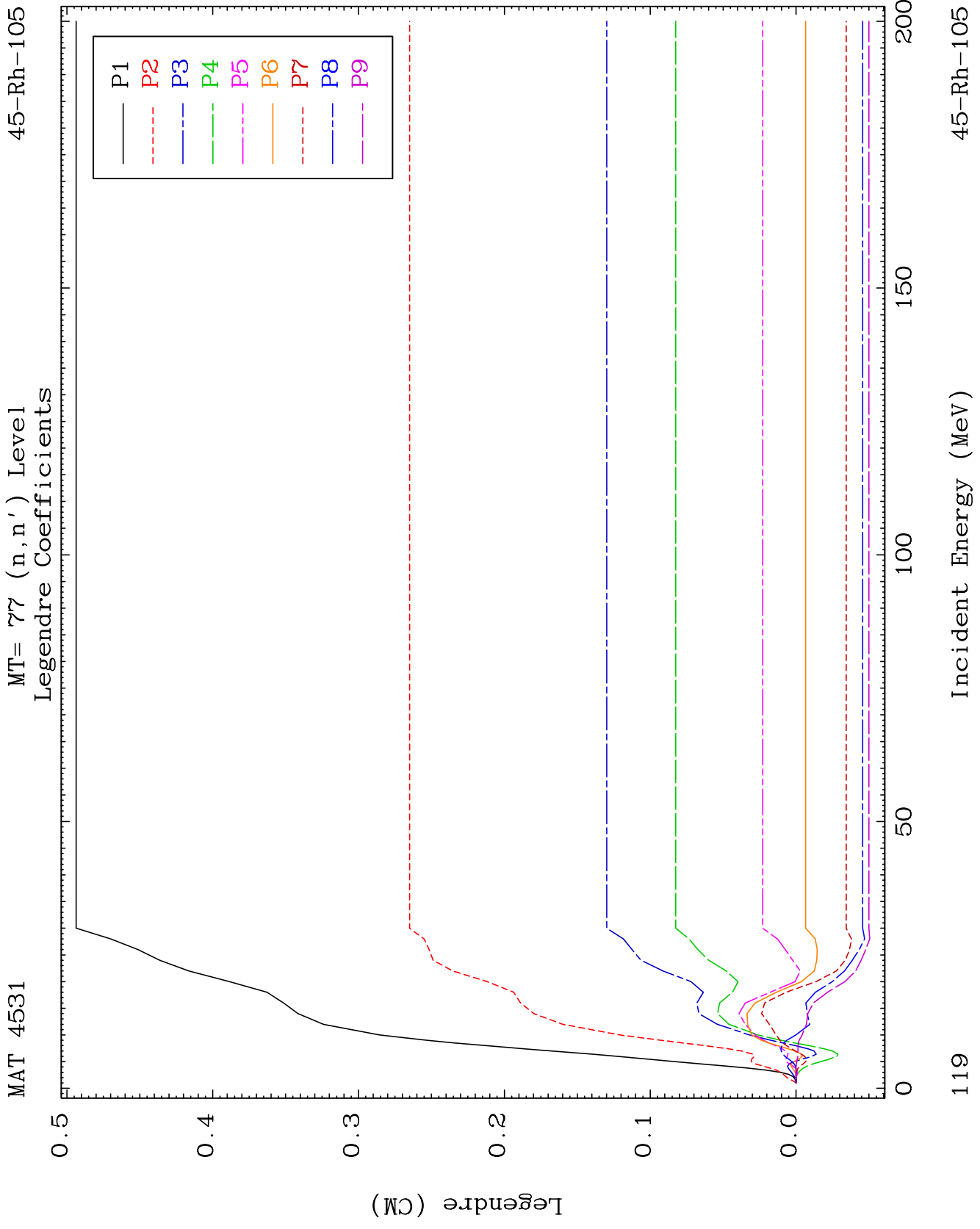
116

Incident Energy (MeV)

45-Rh-105



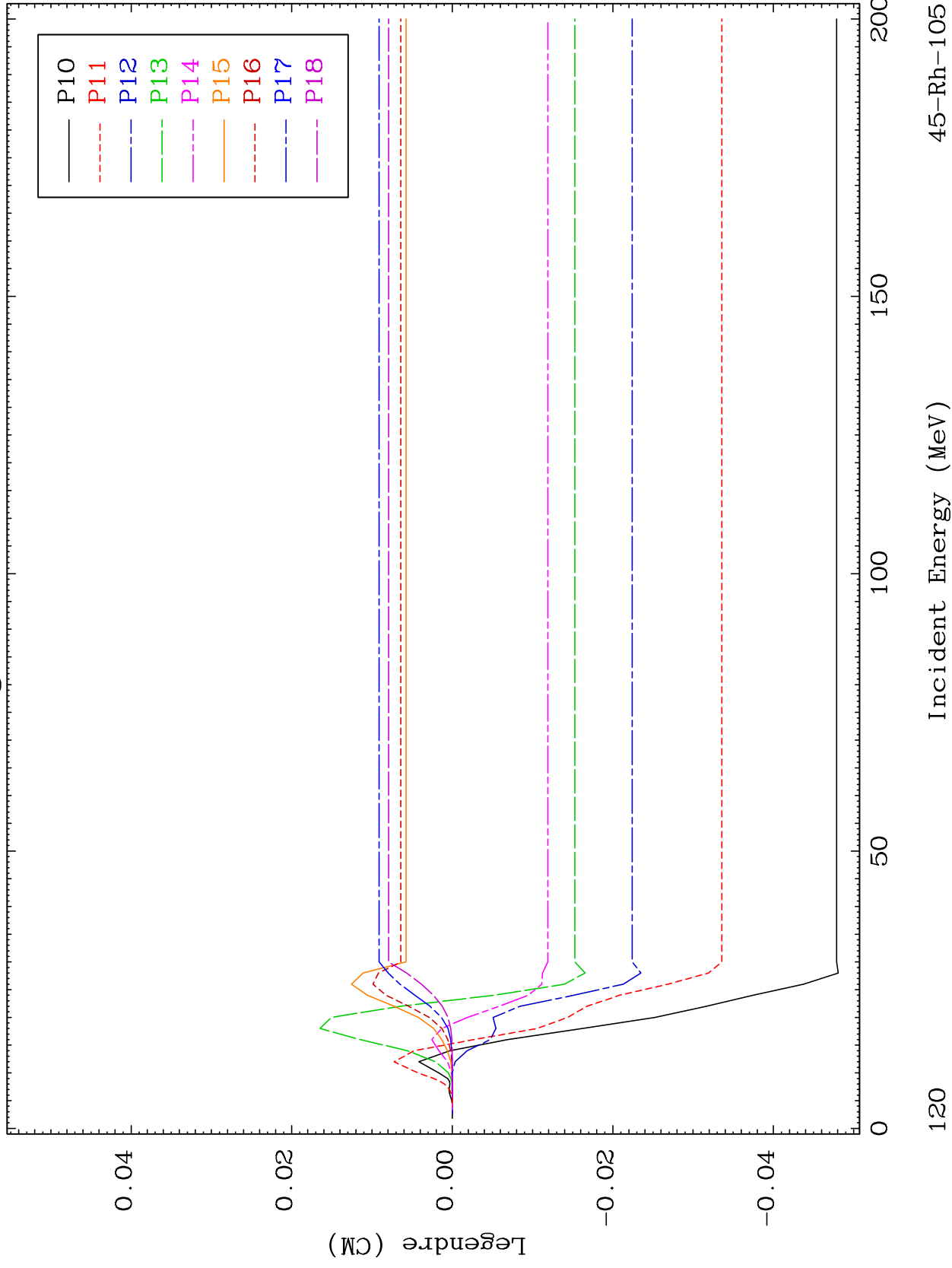




MAT 4531

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

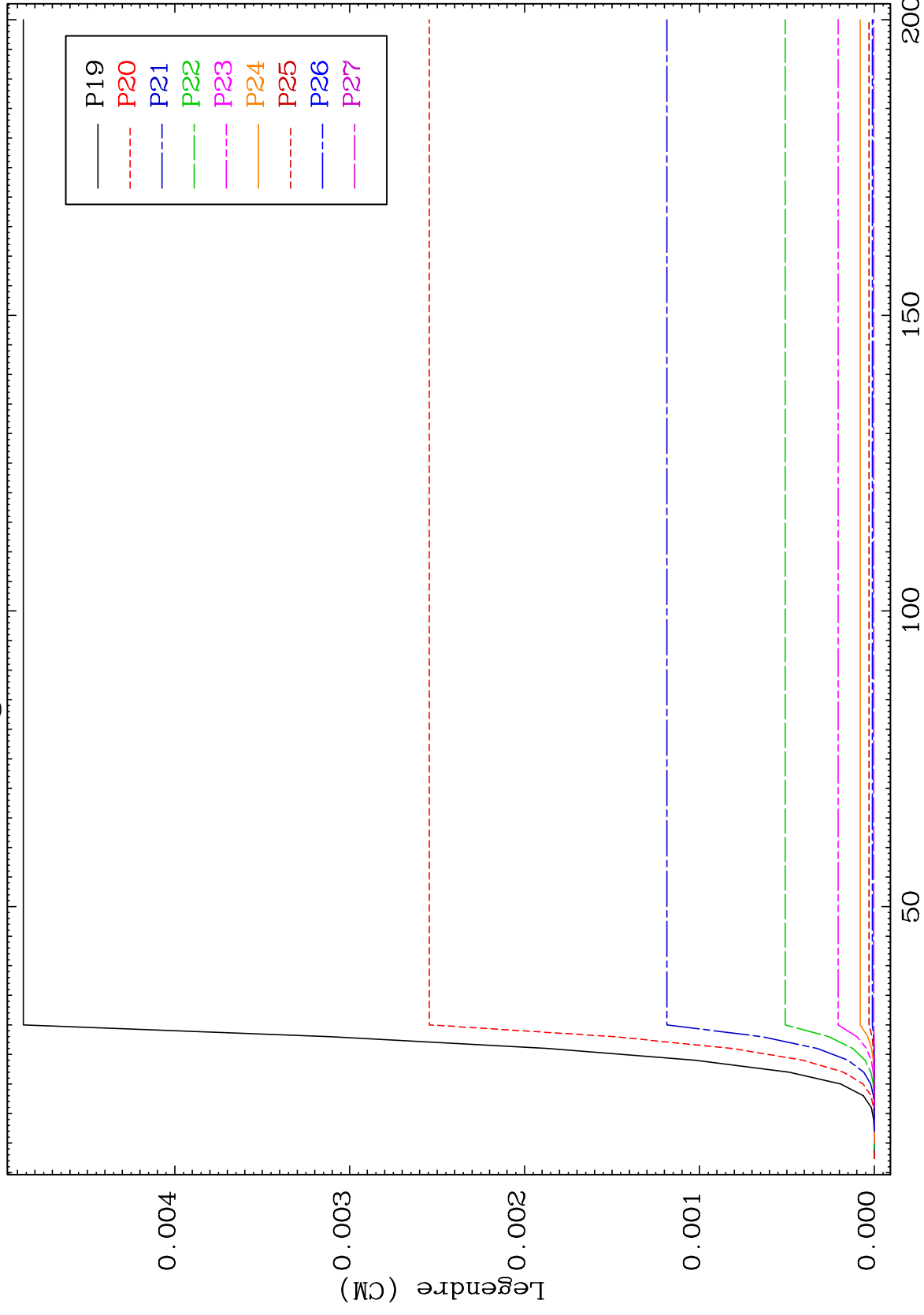
45-Rh-105



MAT 4531

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

45-Rh-105



121

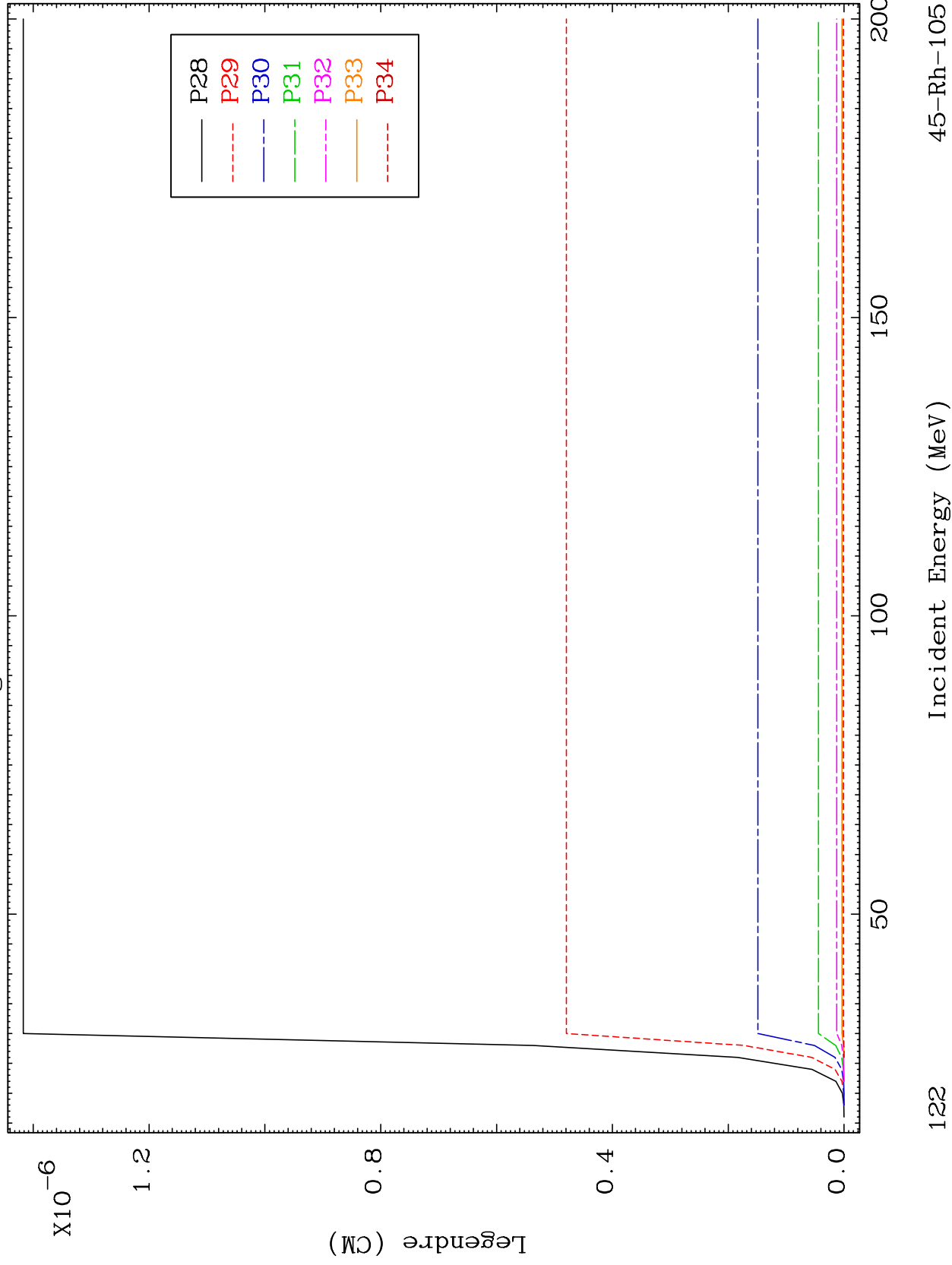
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105

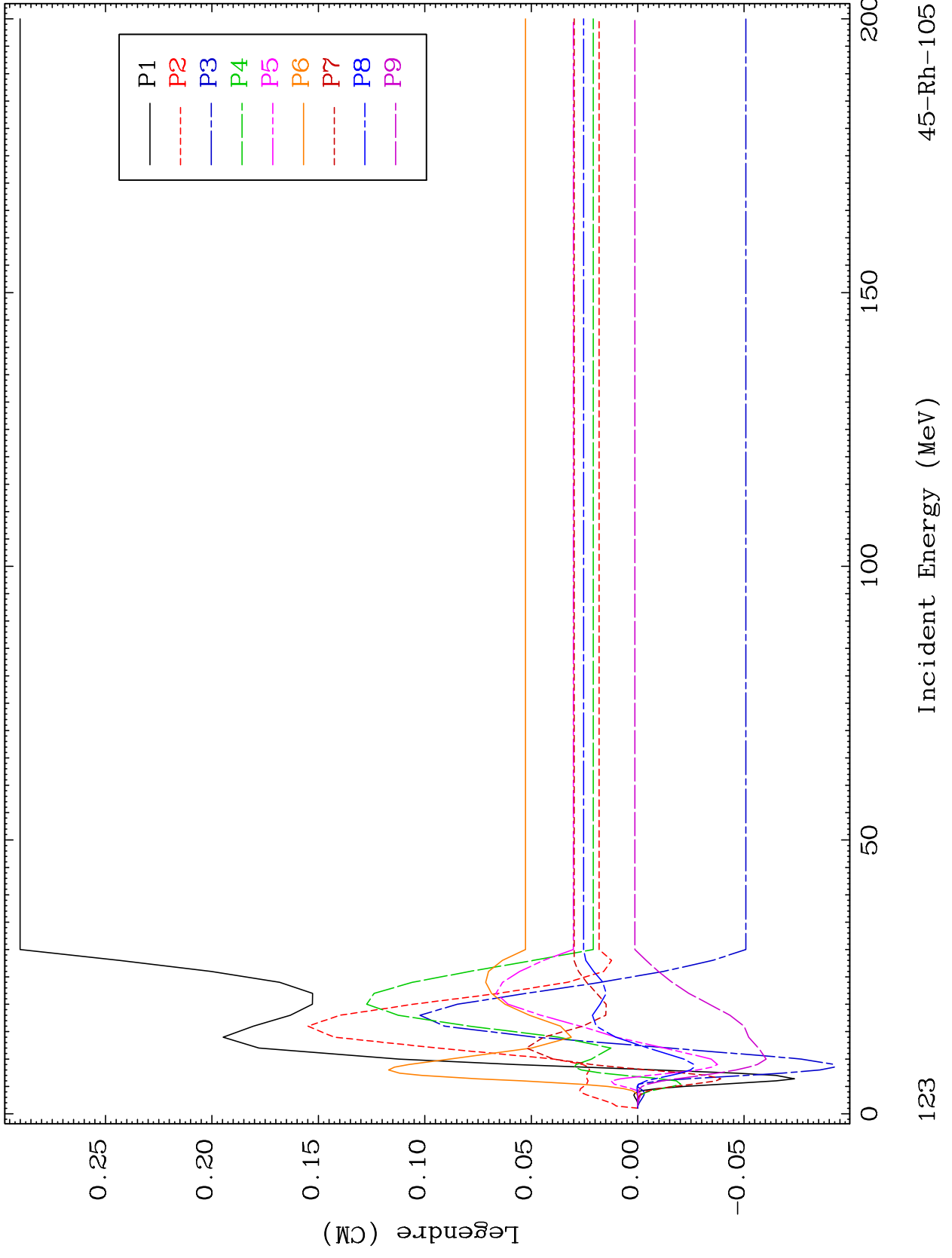


122

MAT 4531

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

45-Rh-105



45-Rh-105

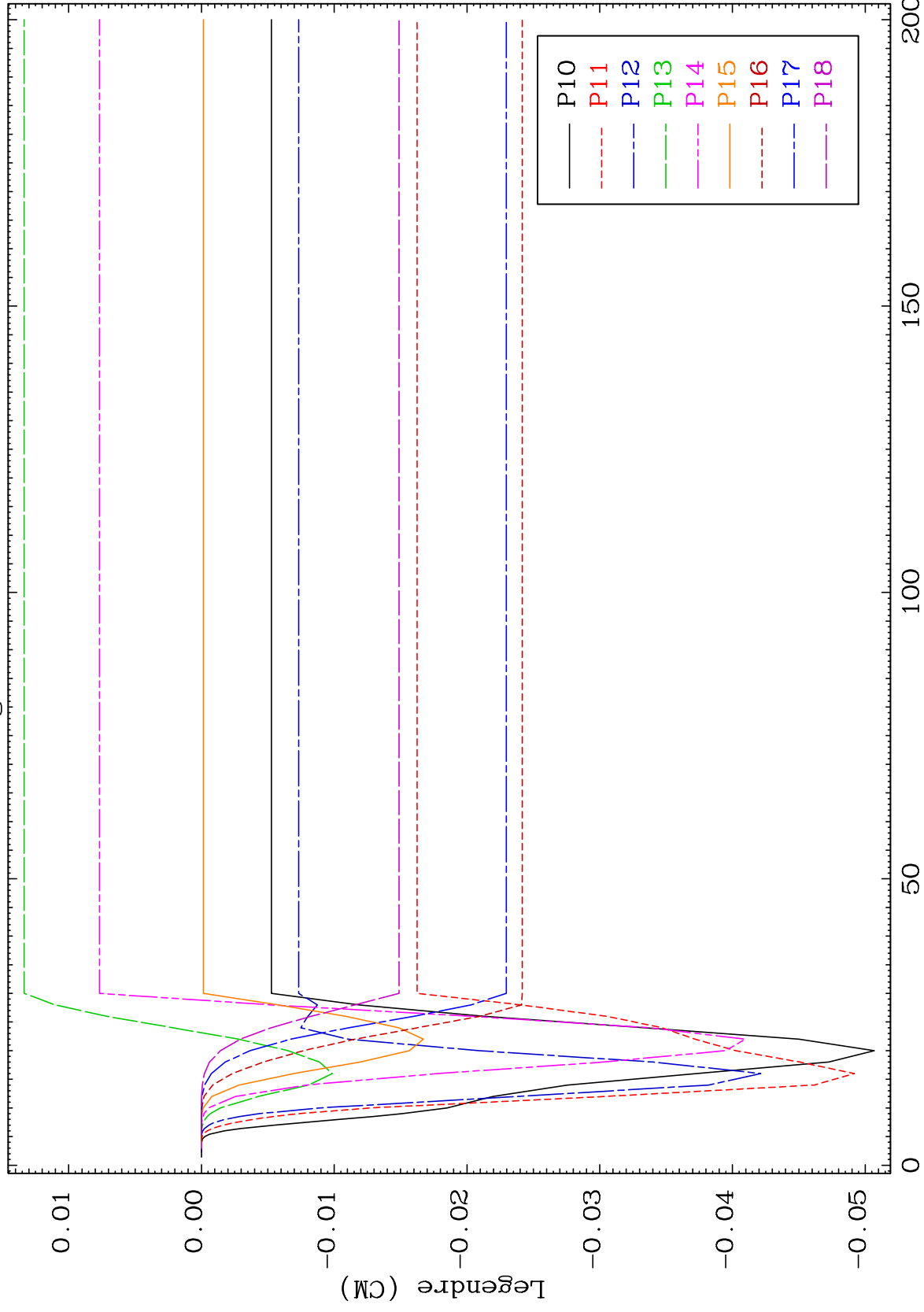
Incident Energy (MeV)

123

MAT 4531

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

45-Rh-105

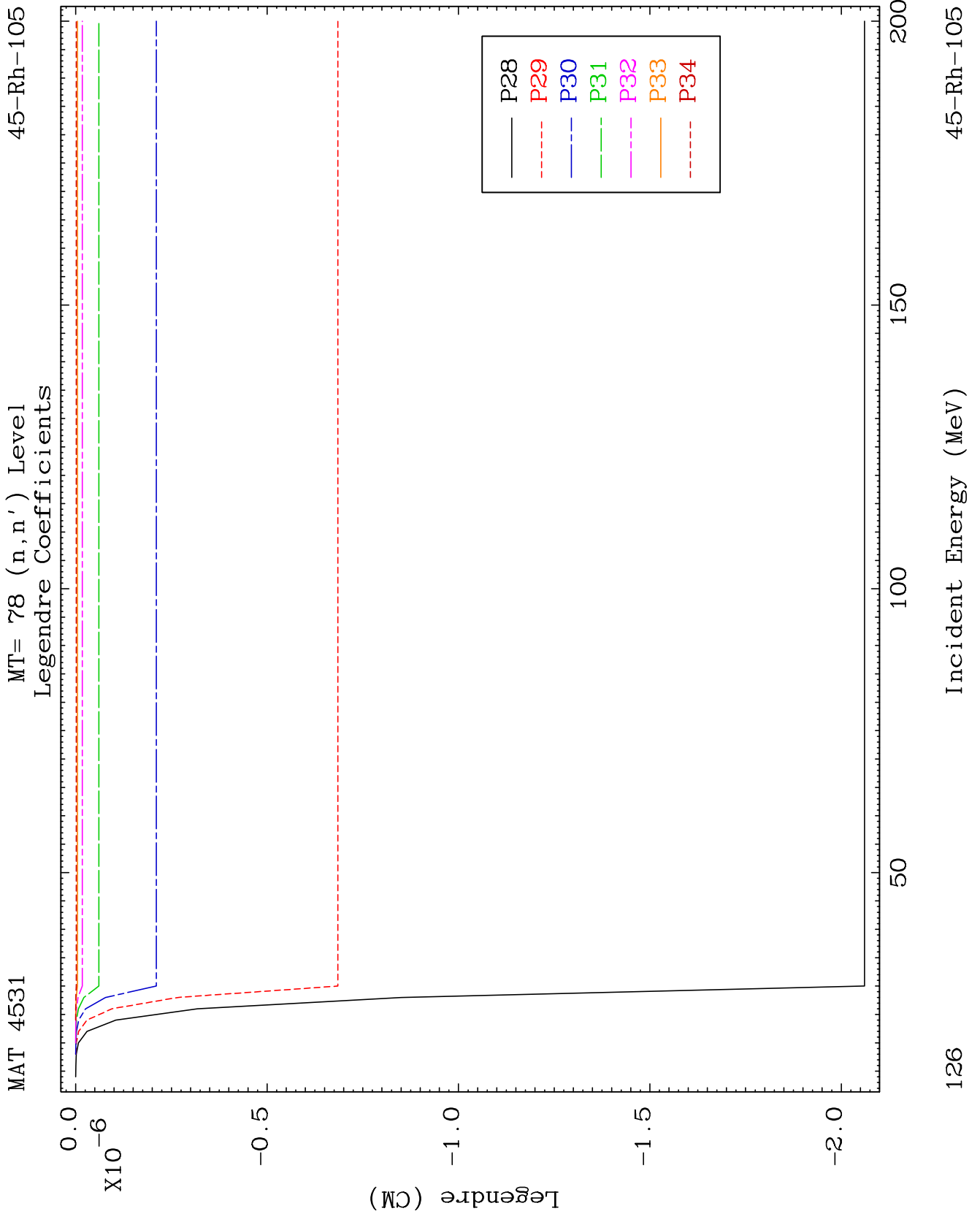


124

Incident Energy (MeV)

45-Rh-105

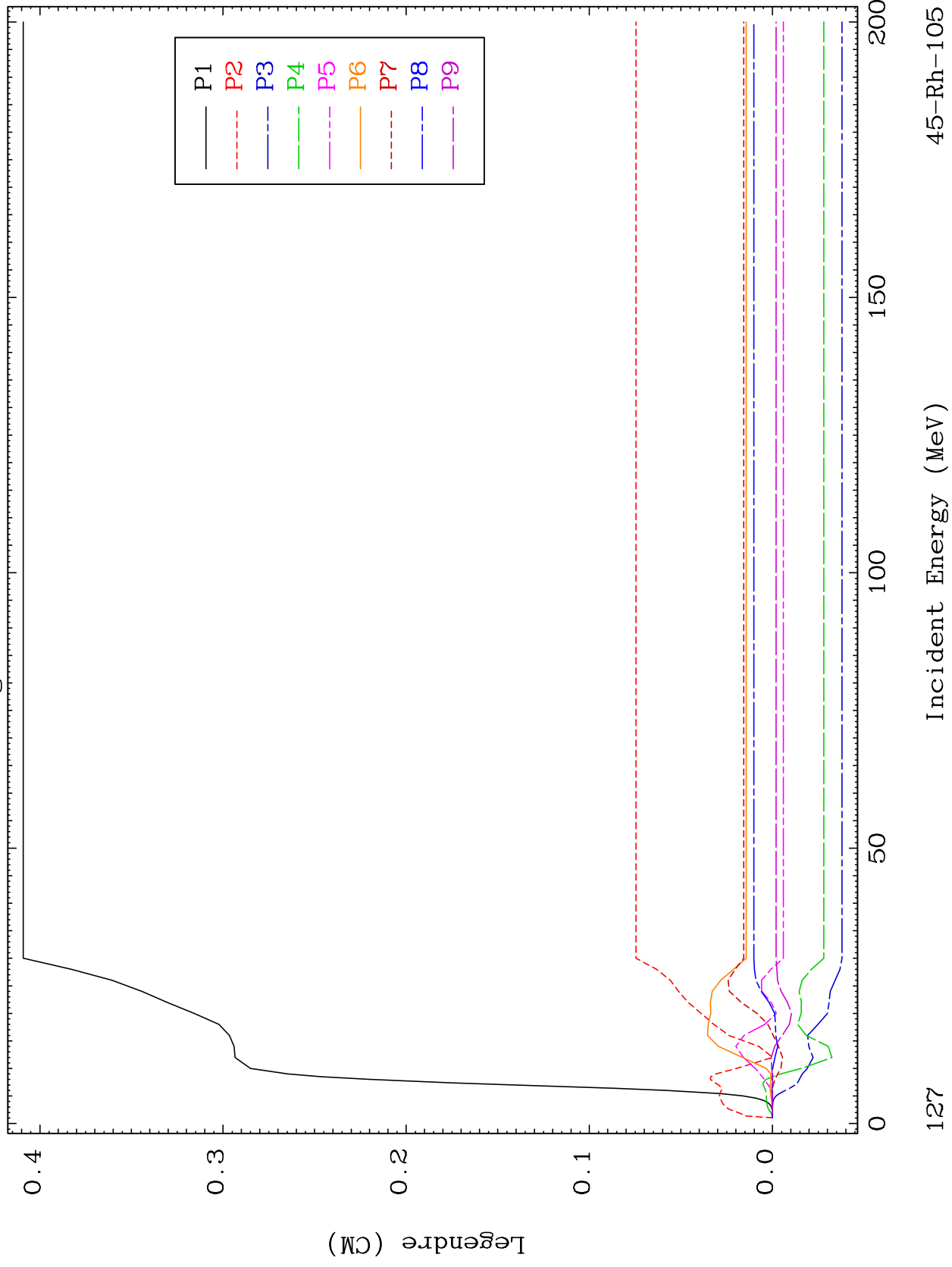




MAT 4531

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

45-Rh-105



127

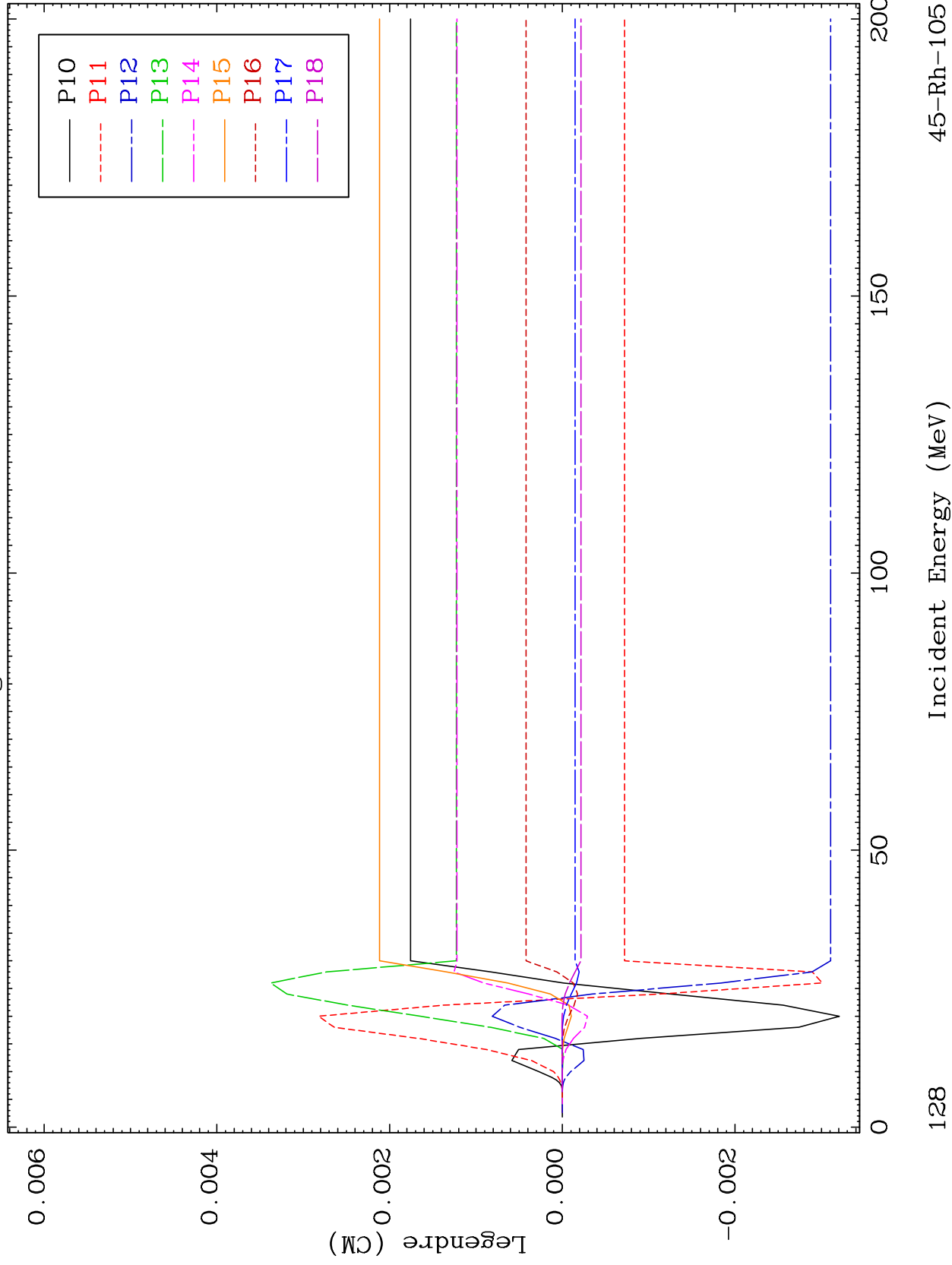
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



128

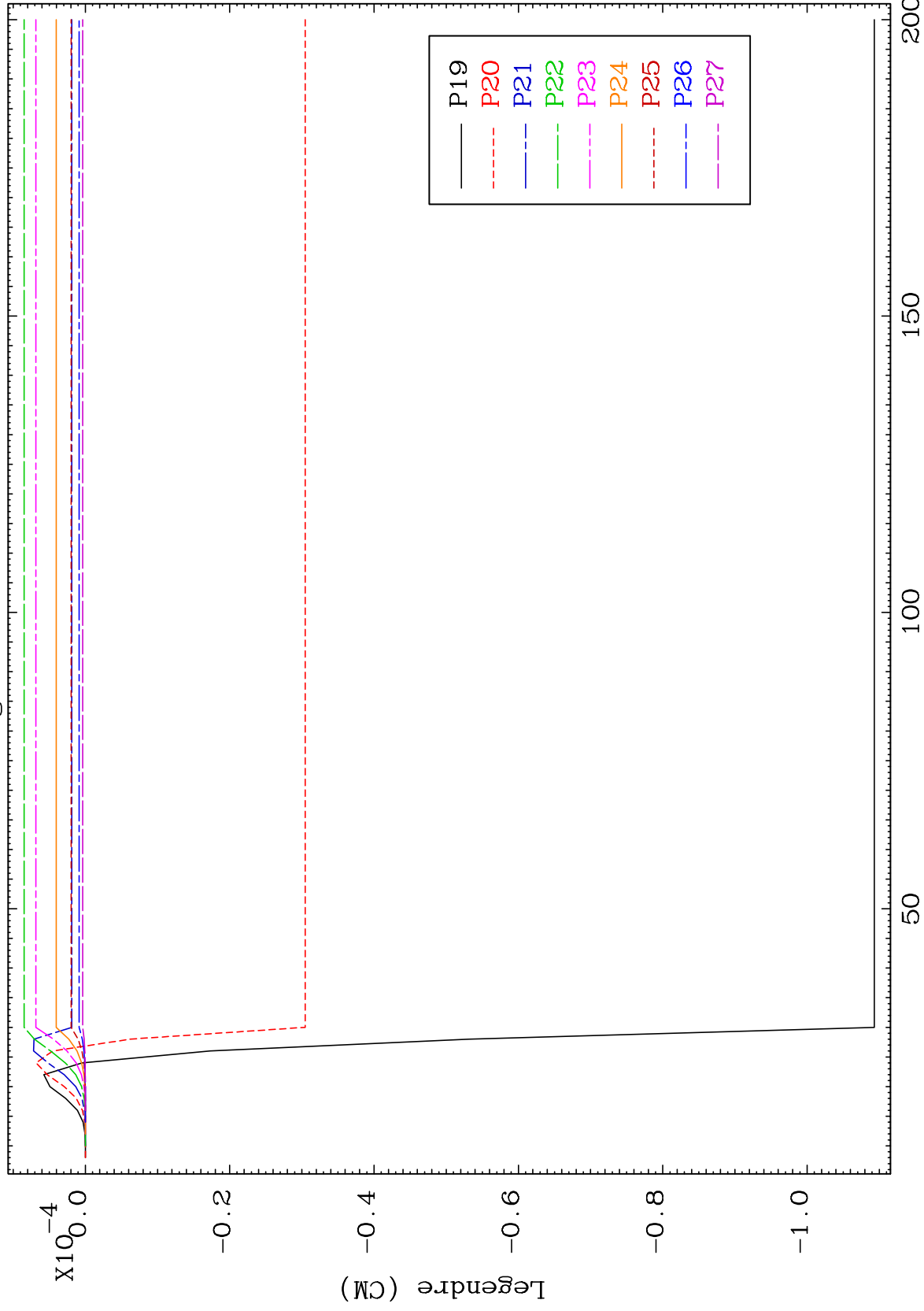
Incident Energy (MeV)

45-Rh-105

MAT 4531

45-Rh-105

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



129

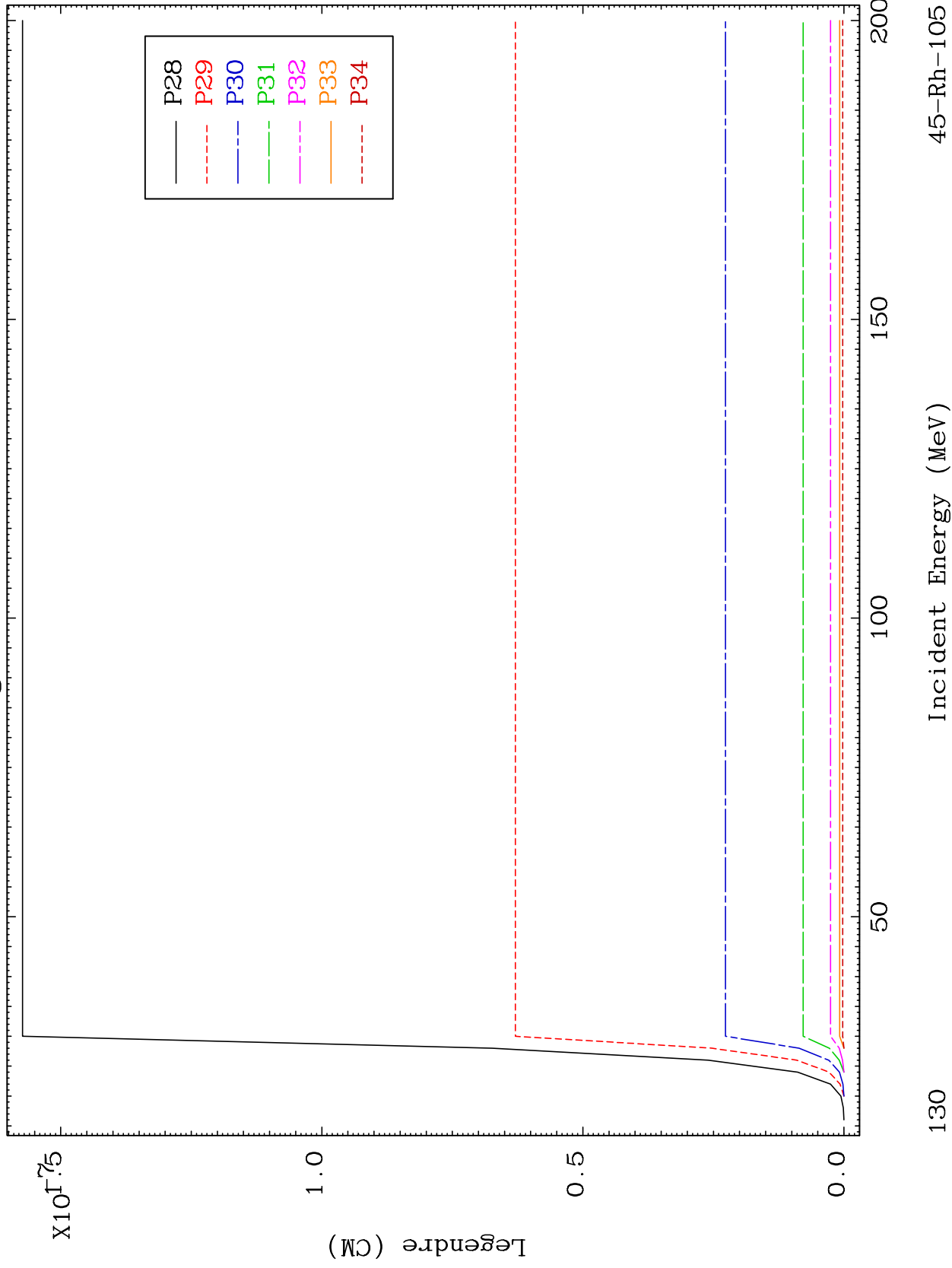
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

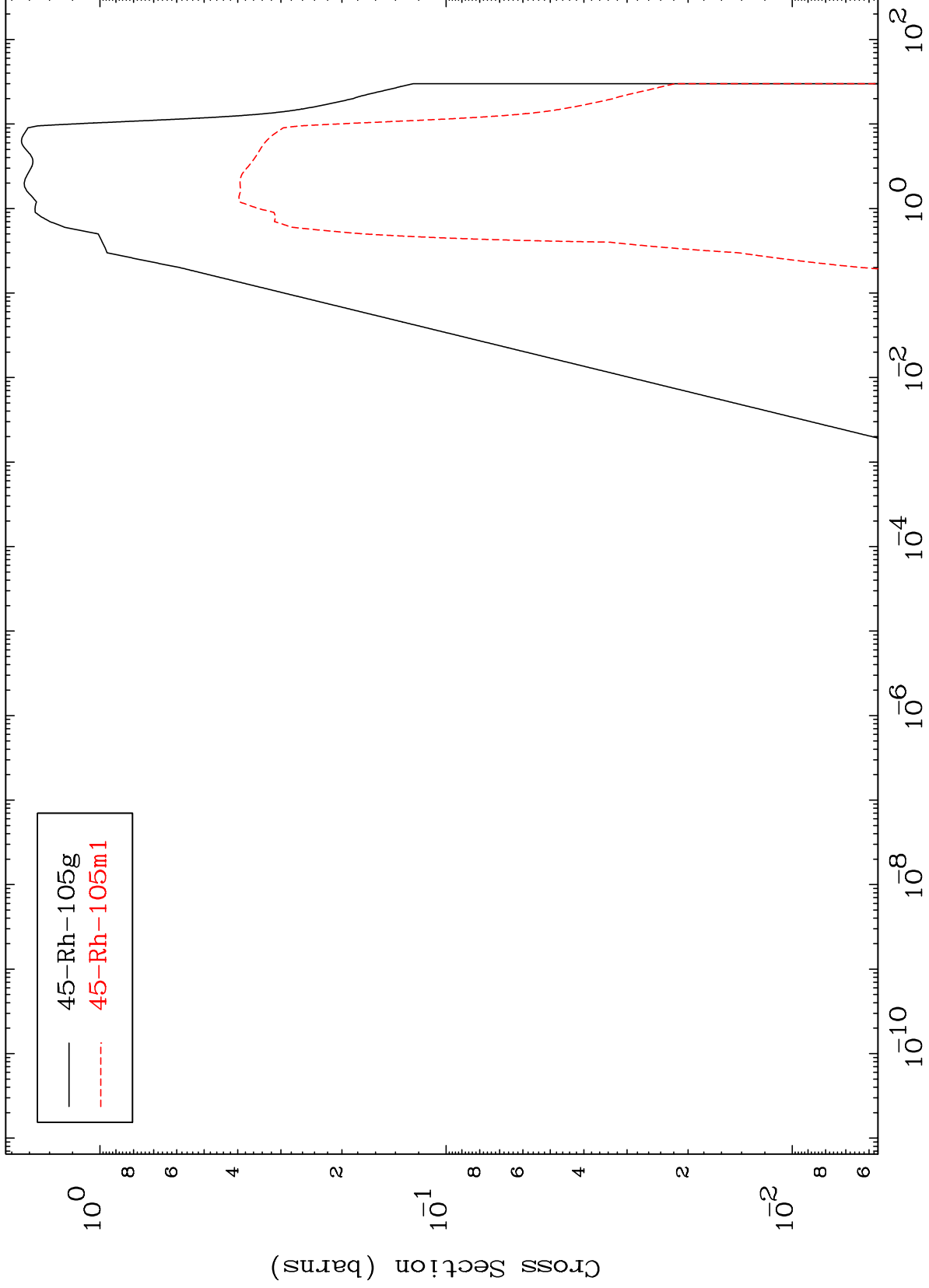
45-Rh-105



MAT 4531

Inelastic  
Radionuclide Production Cross Section

45-Rh-105

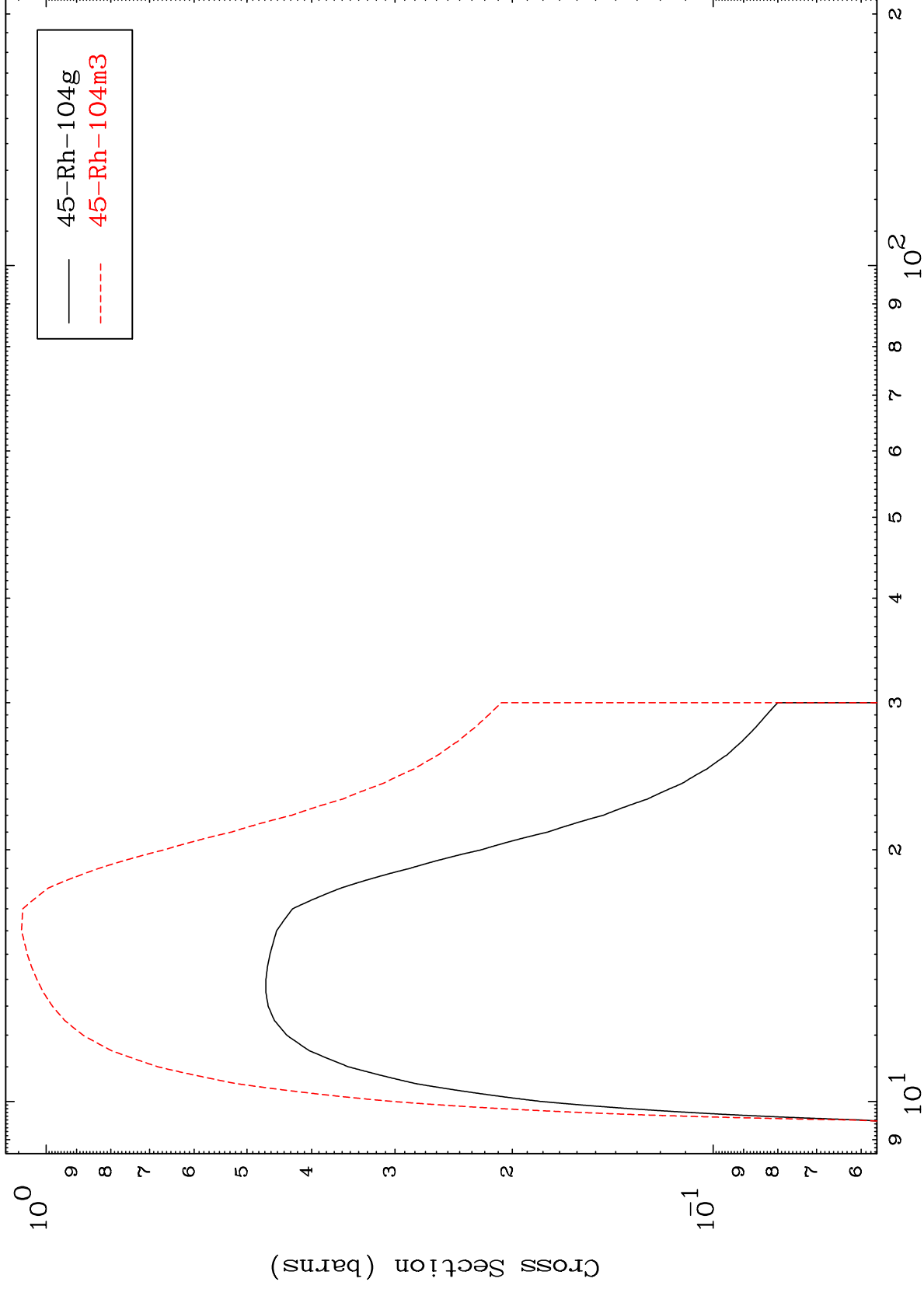


45-Rh-105g  
45-Rh-105m1

MAT 4531

45-Rh-105

(n,2n)  
Radionuclide Production Cross Section



132

Incident Energy (MeV)

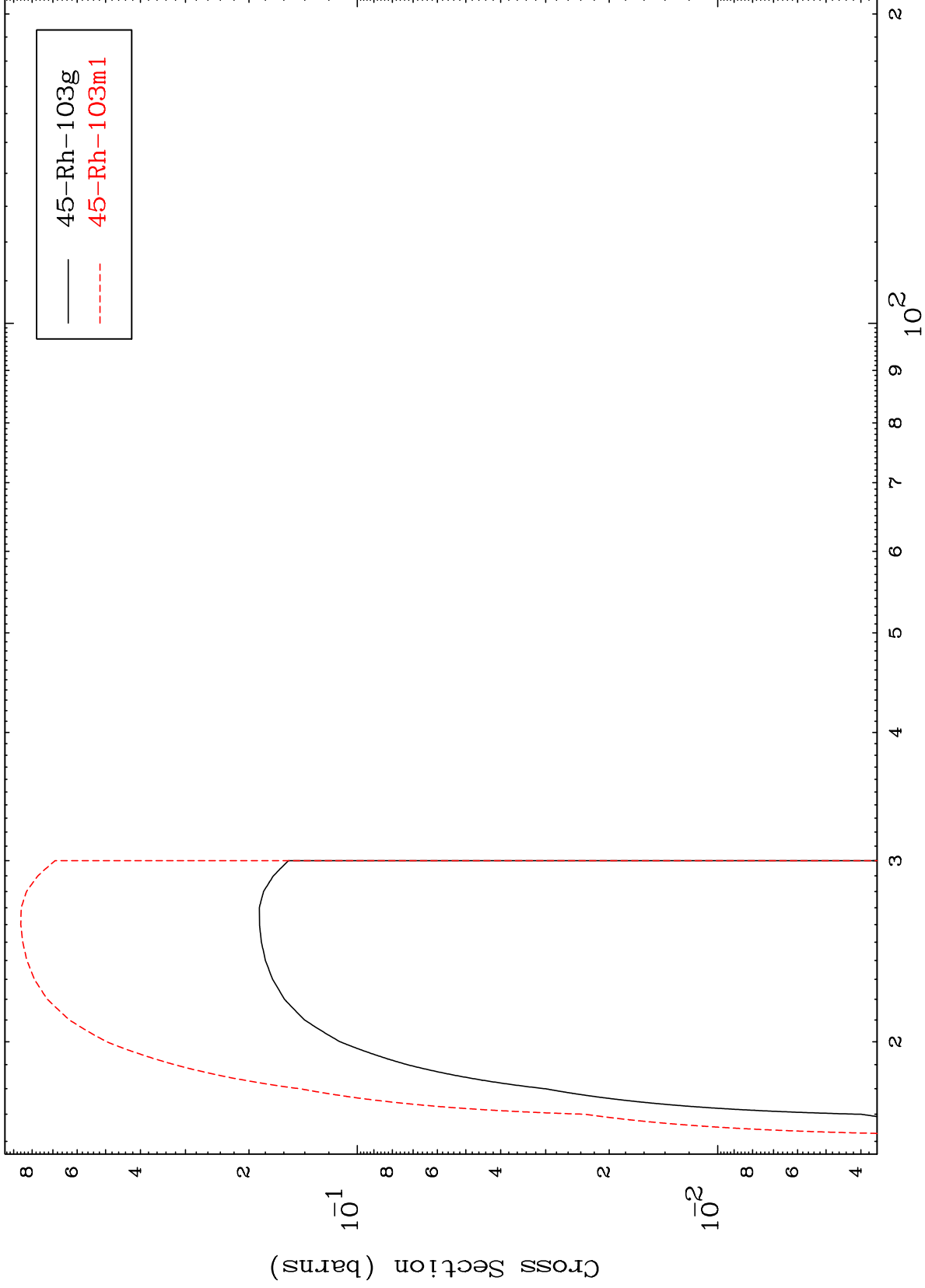
45-Rh-105

MAT 4531

(n,3n)

45-Rh-105

Radionuclide Production Cross Section



133

Incident Energy (MeV)

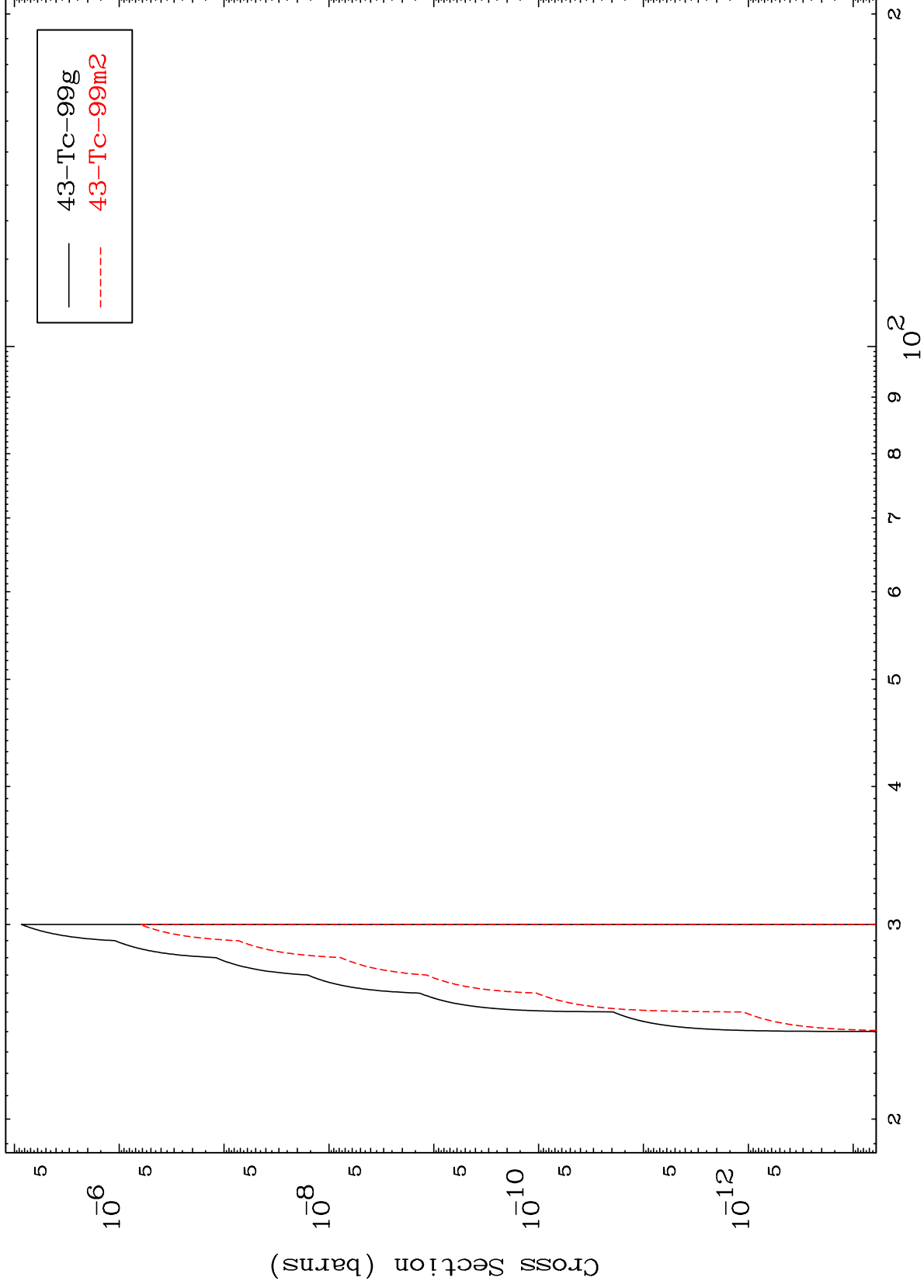
45-Rh-105

MAT 4531

(n,3n)  $\alpha$

45-Rh-105

Radionuclide Production Cross Section



134

Incident Energy (MeV)

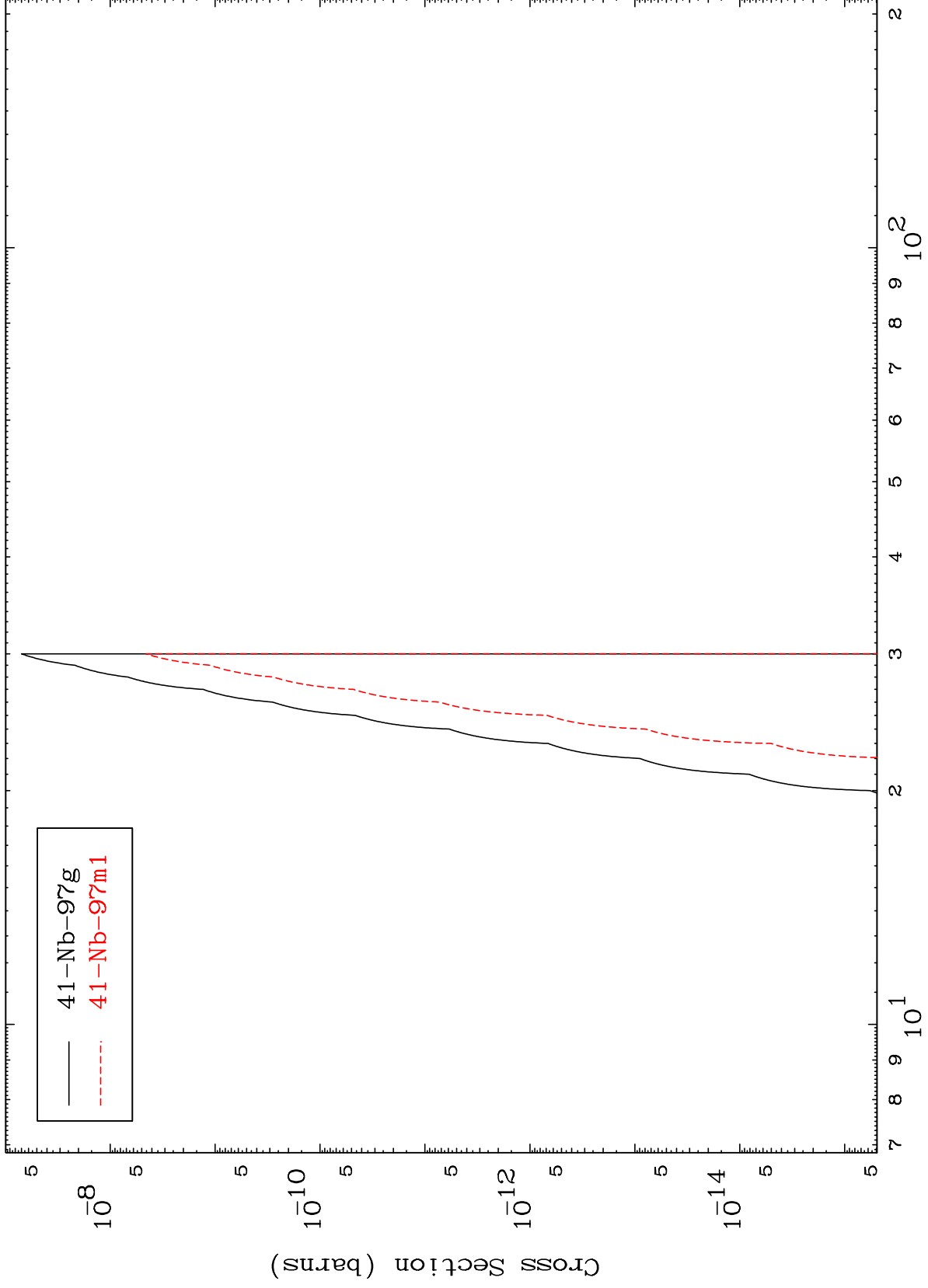
45-Rh-105

MAT 4531

(n,n') 2α

45-Rh-105

Radionuclide Production Cross Section



41-Nb-97g  
41-Nb-97m1

135

Incident Energy (MeV)

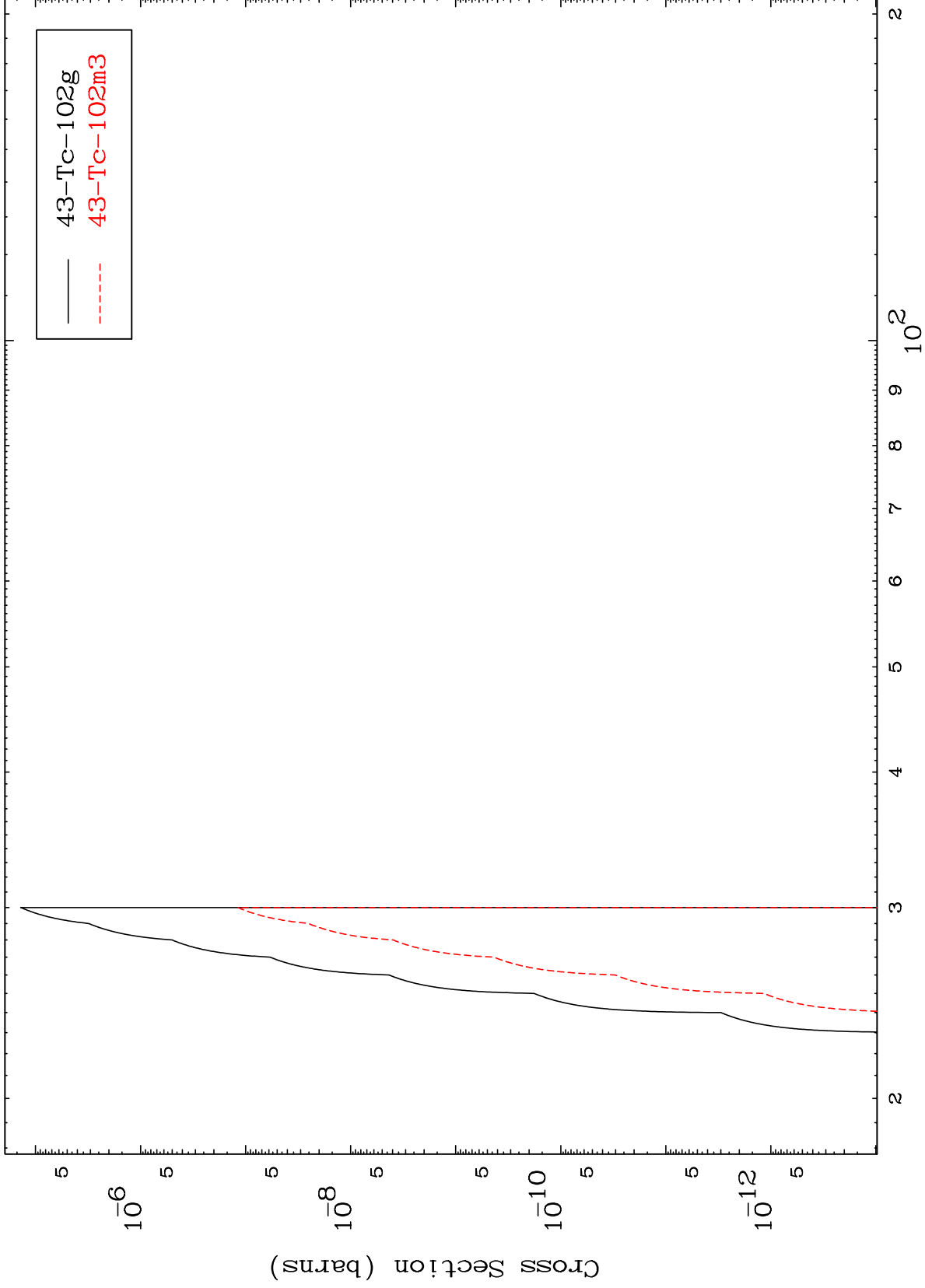
45-Rh-105

MAT 4531

(n,n') He-3

45-Rh-105

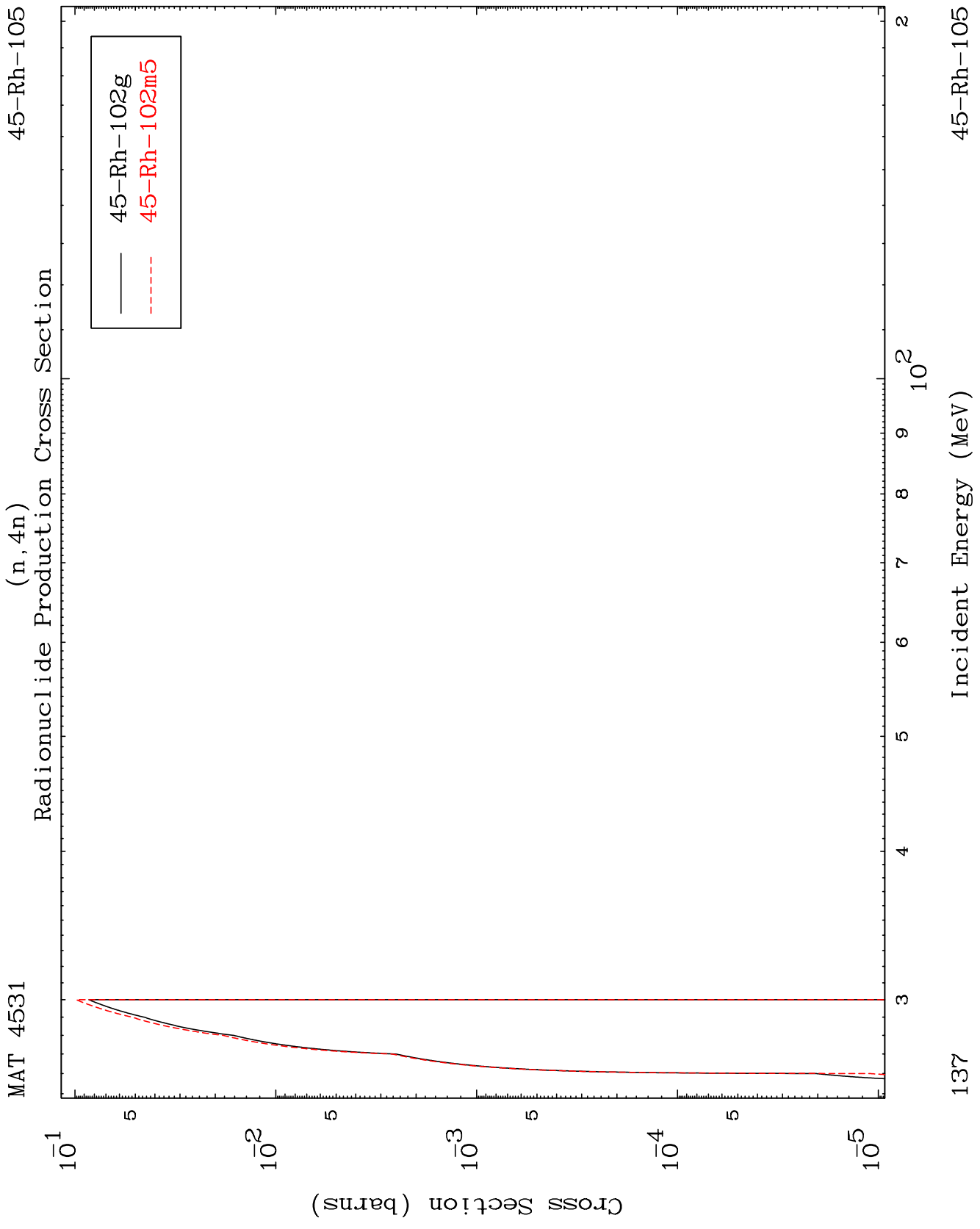
Radionuclide Production Cross Section



136

Incident Energy (MeV)

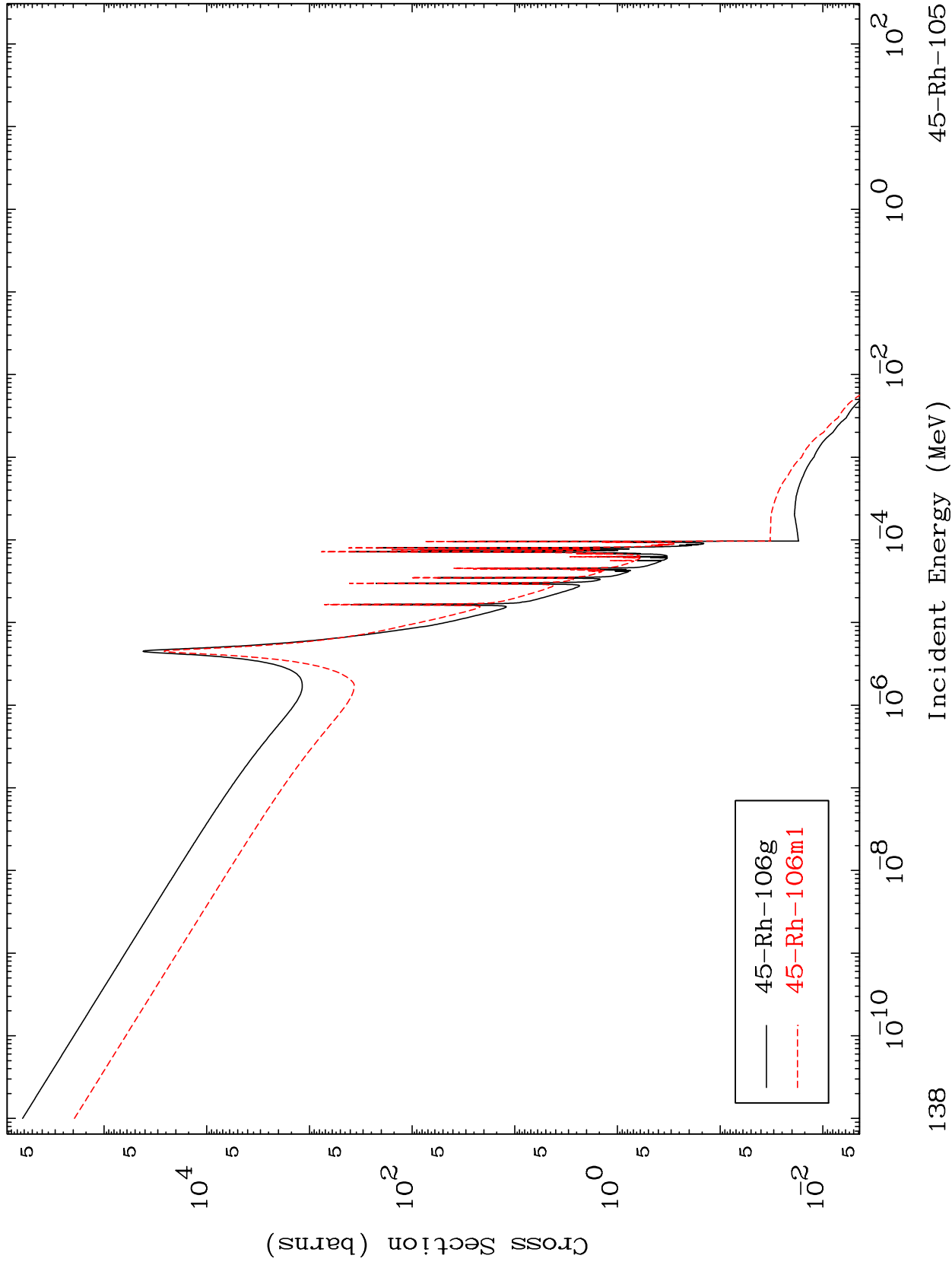
45-Rh-105



MAT 4531

45-Rh-105

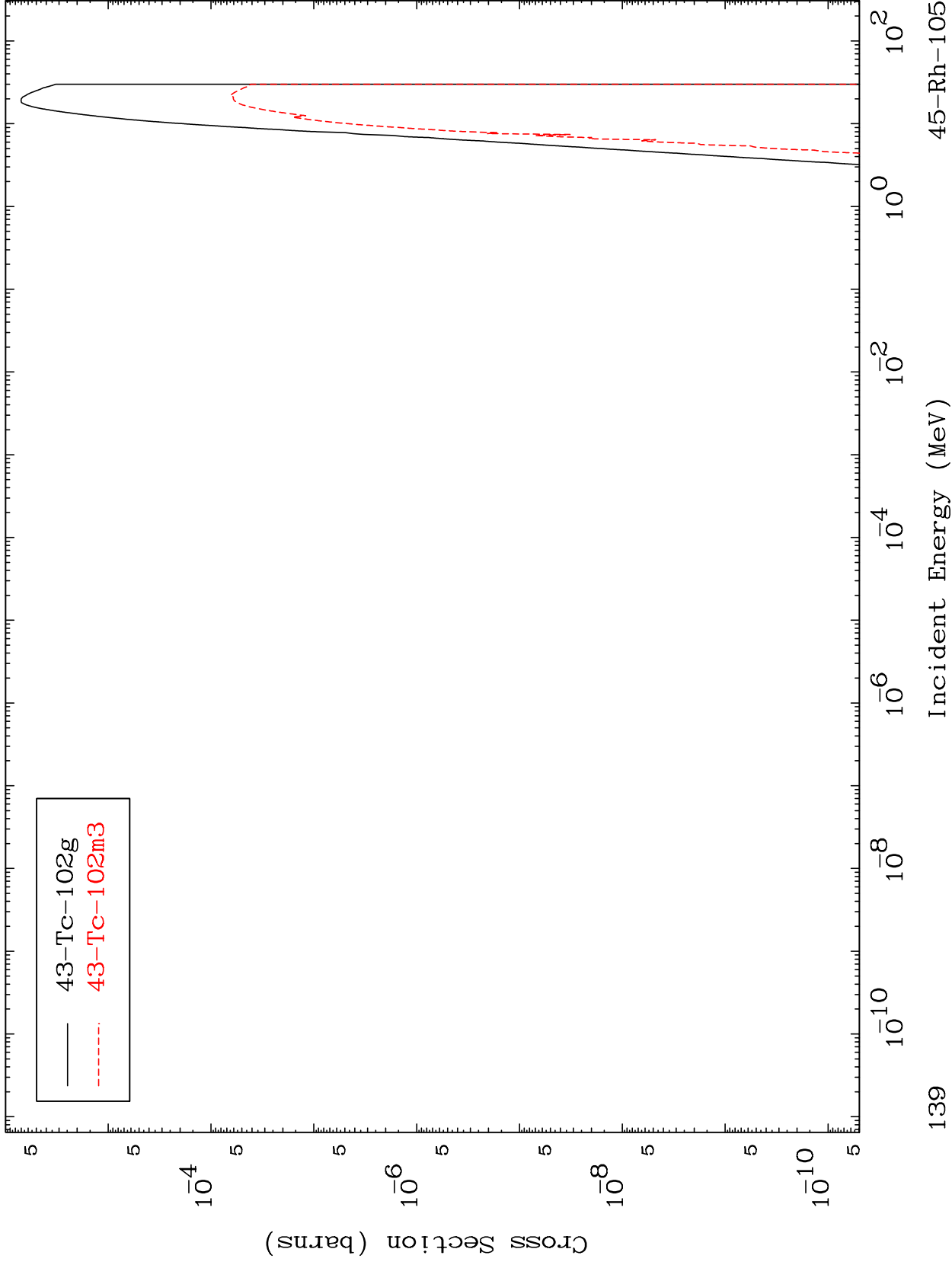
(n,  $\gamma$ )  
Radionuclide Production Cross Section



MAT 4531

45-Rh-105

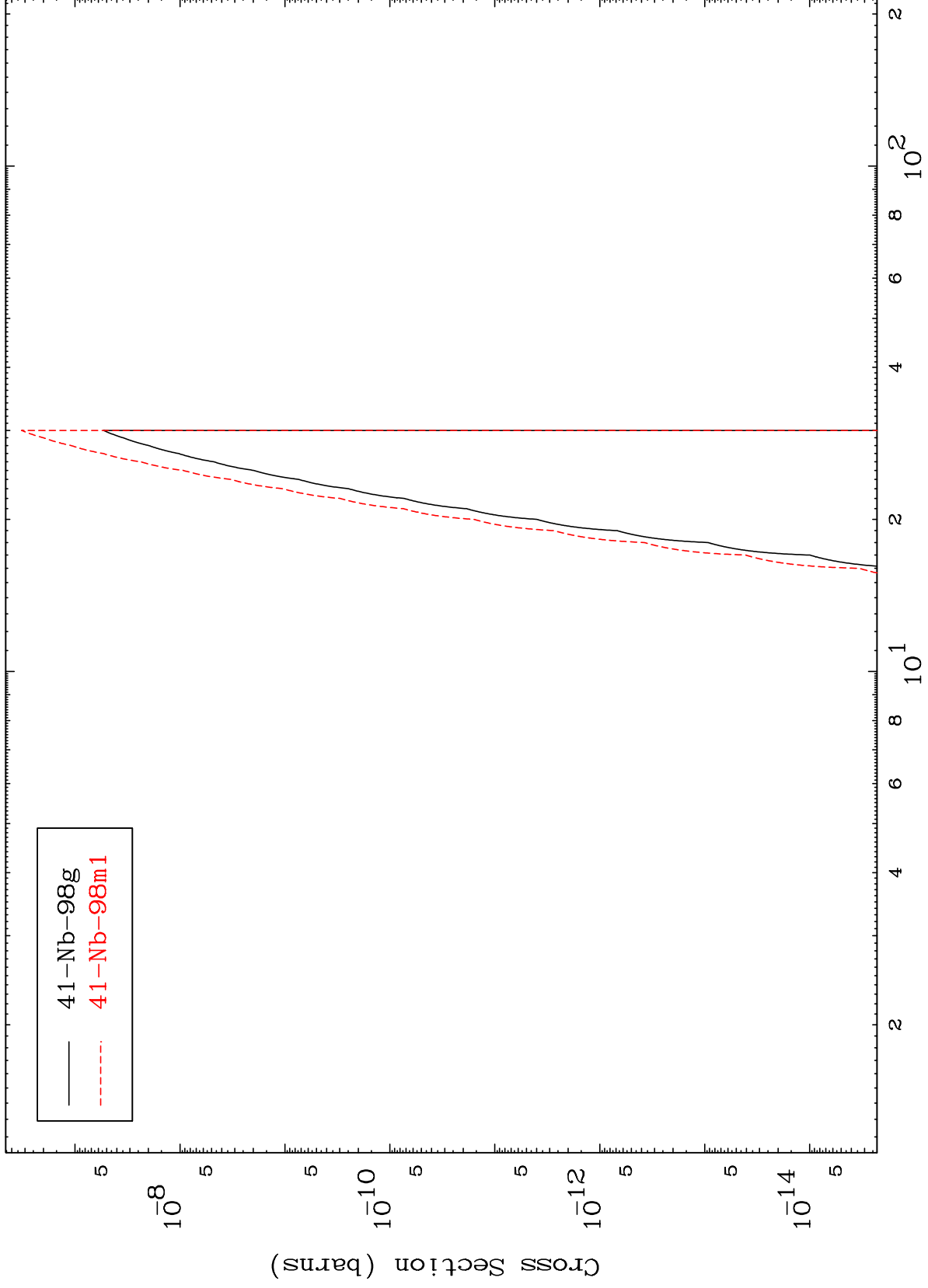
(n,  $\alpha$ )  
Radionuclide Production Cross Section



MAT 4531

45-Rh-105

Radionuclide Production Cross Section  
(n,2 $\alpha$ )



140

45-Rh-105

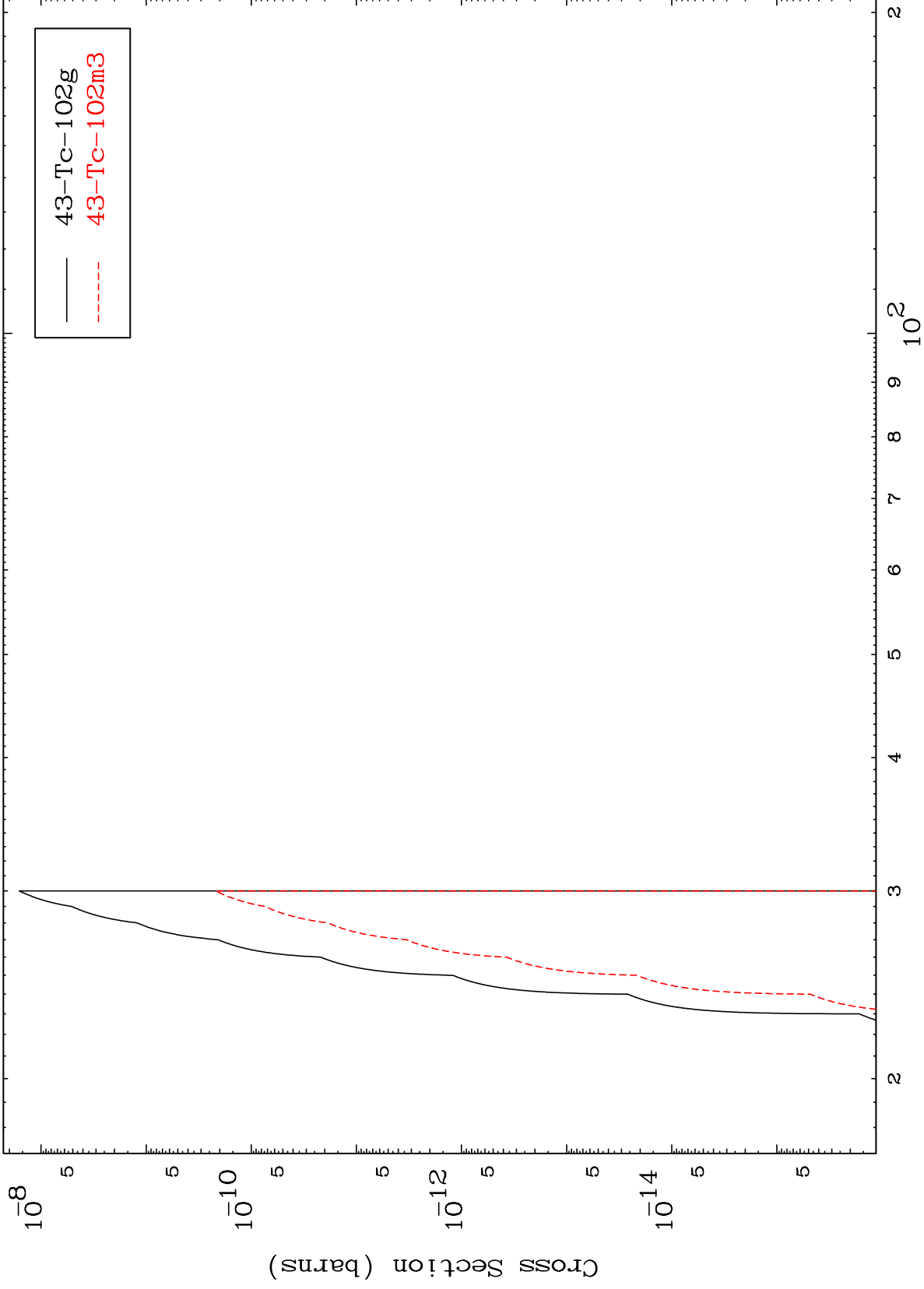
Incident Energy (MeV)

MAT 4531

(n,p) t

45-Rh-105

Radionuclide Production Cross Section



141

Incident Energy (MeV)

45-Rh-105