

Program EVALPLOT
(Version 2017-1)

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

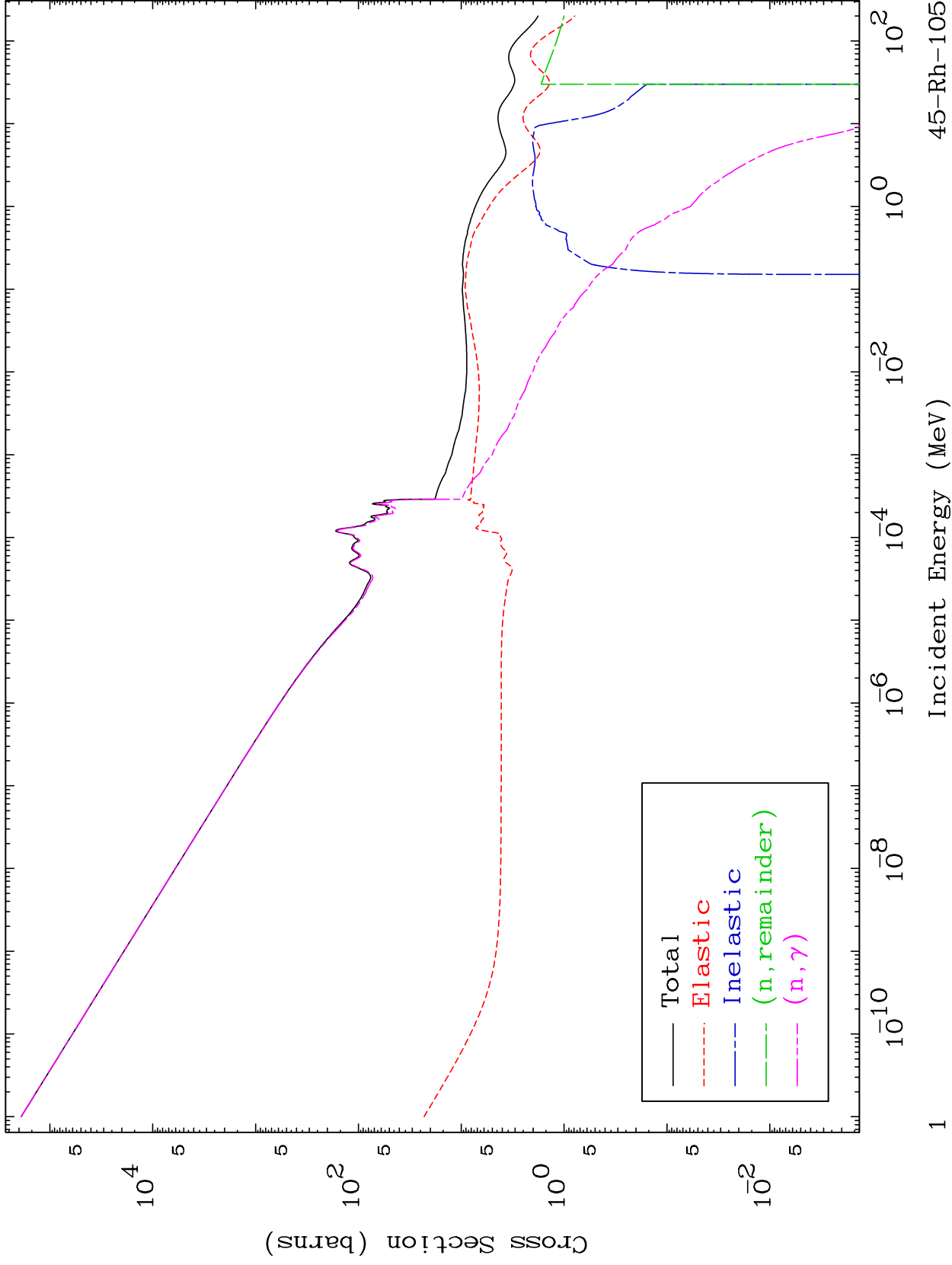
Press Mouse Button to Start

MAT 4531

Major

293 Kelvin Cross Sections

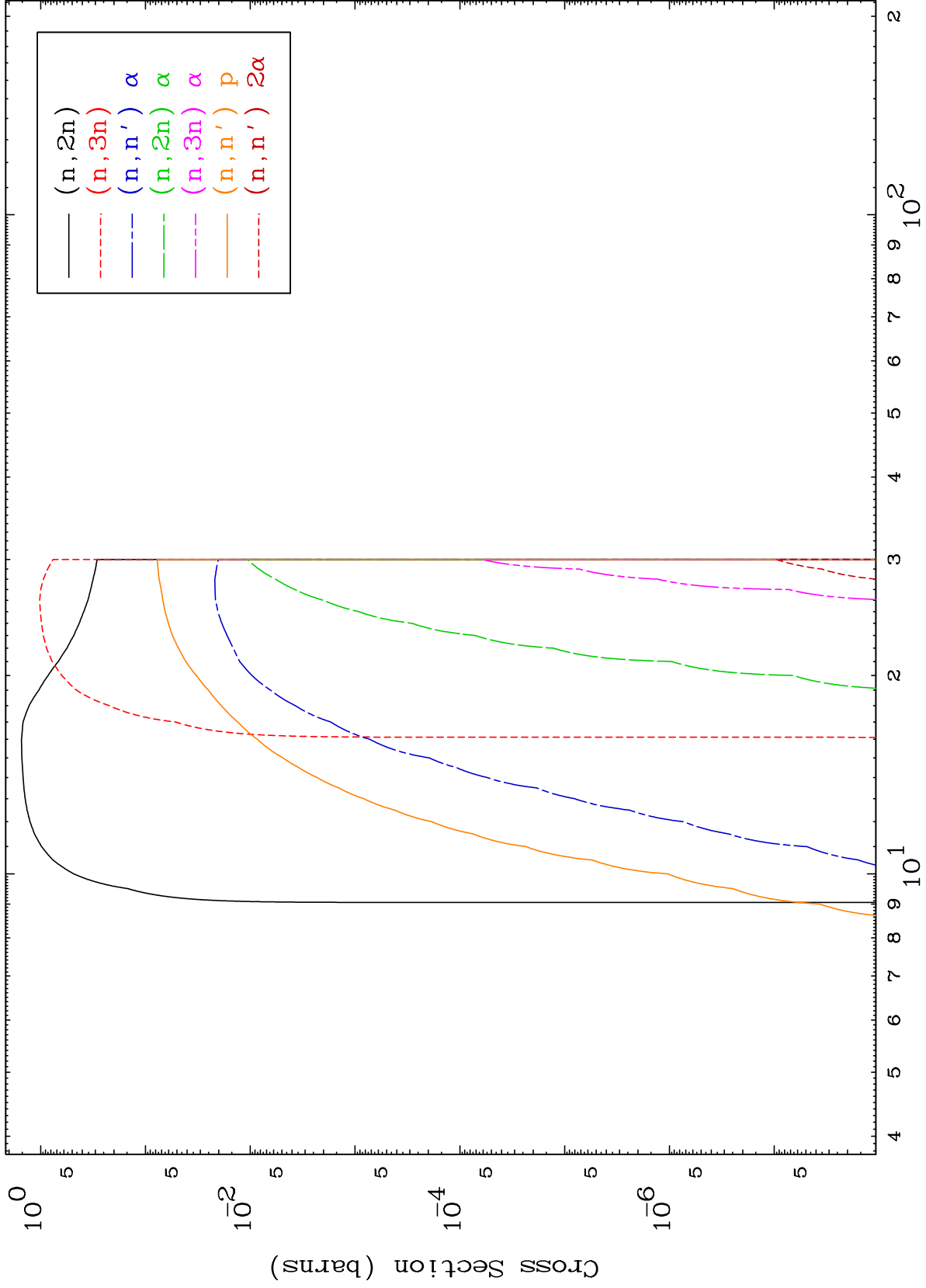
45-Rh-105



MAT 4531

Neutron Production
293 Kelvin Cross Sections

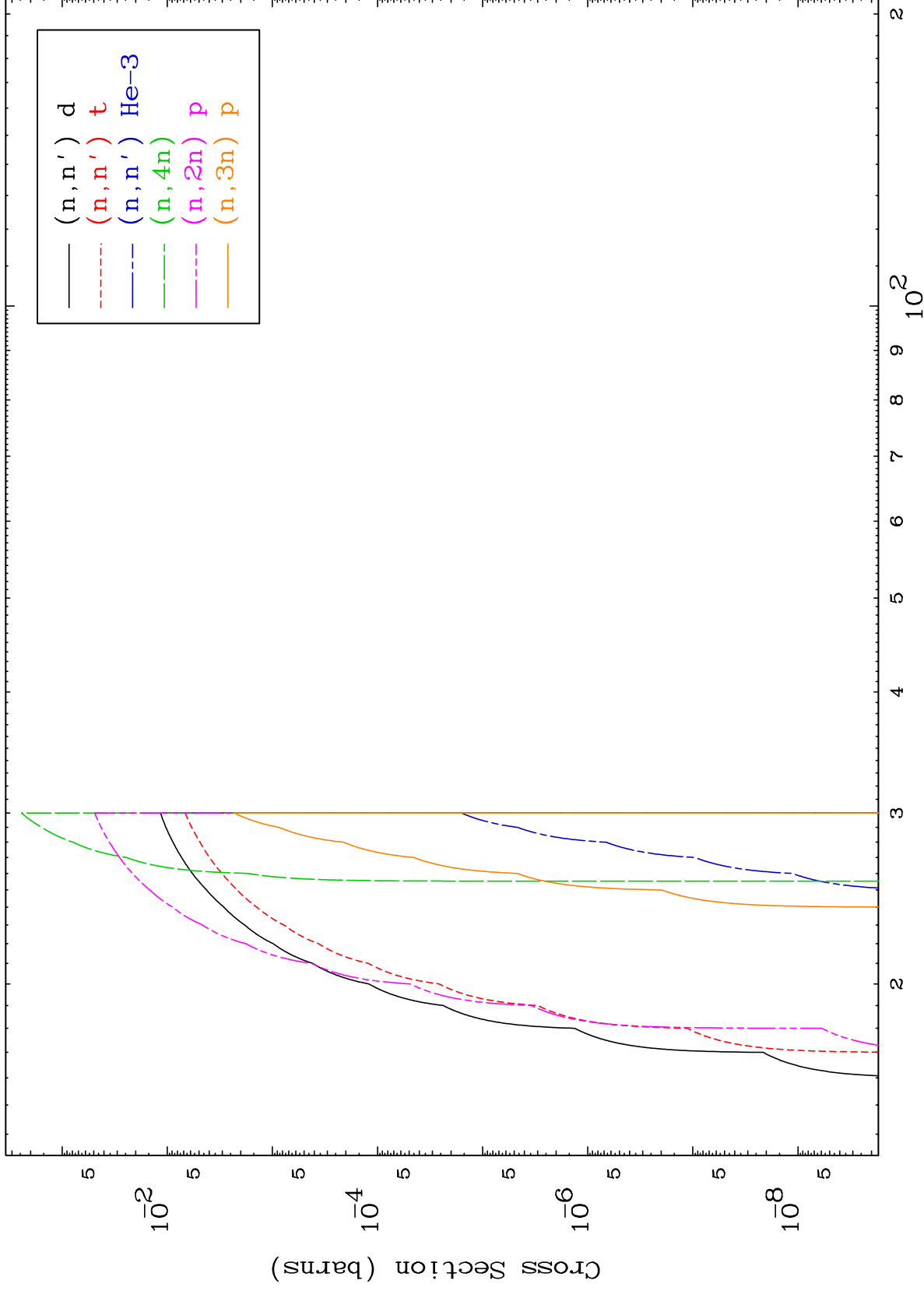
45-Rh-105



2

Incident Energy (MeV)

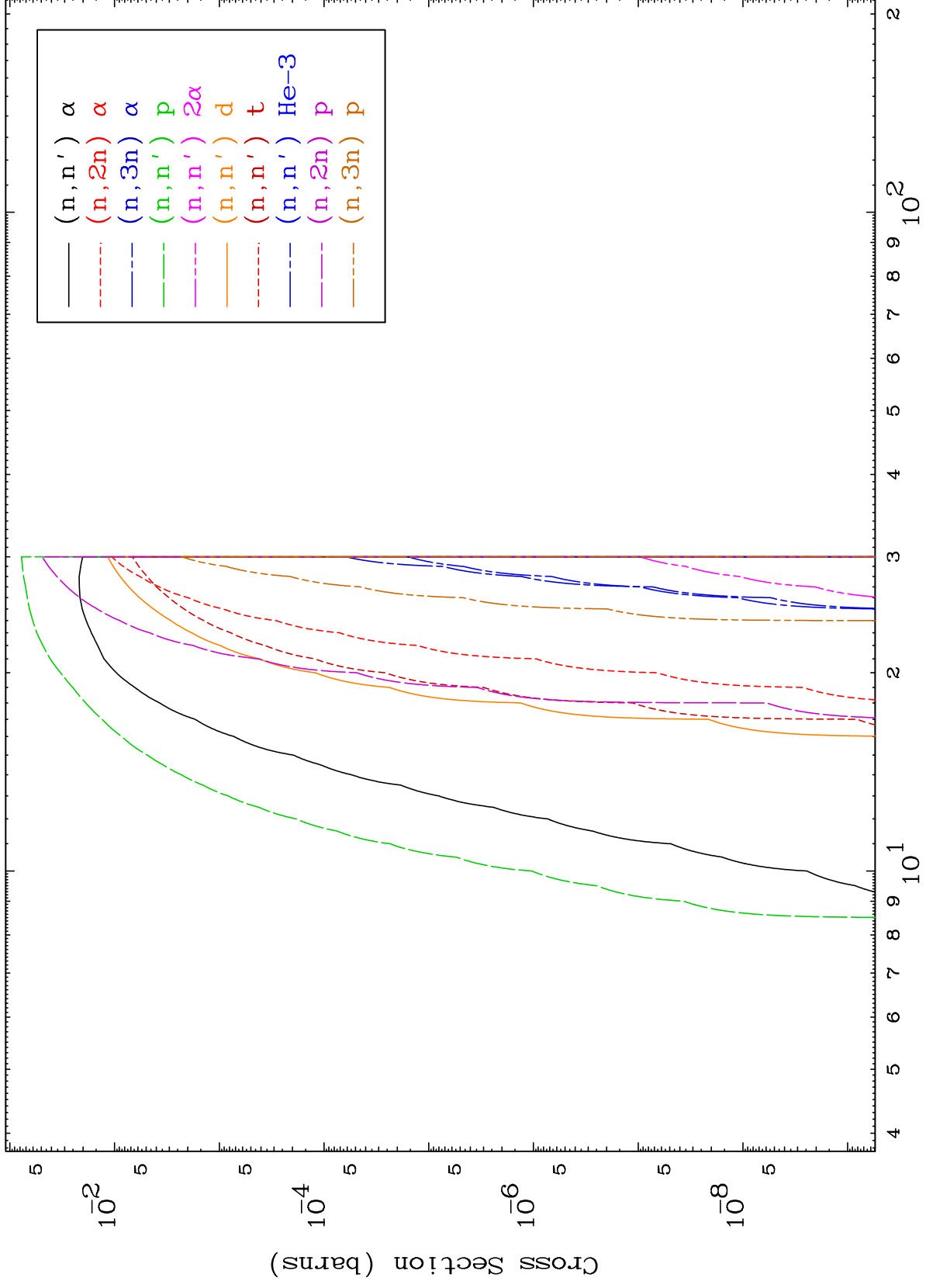
45-Rh-105



MAT 4531

Charged Particle
293 Kelvin Cross Sections

45-Rh-105



4

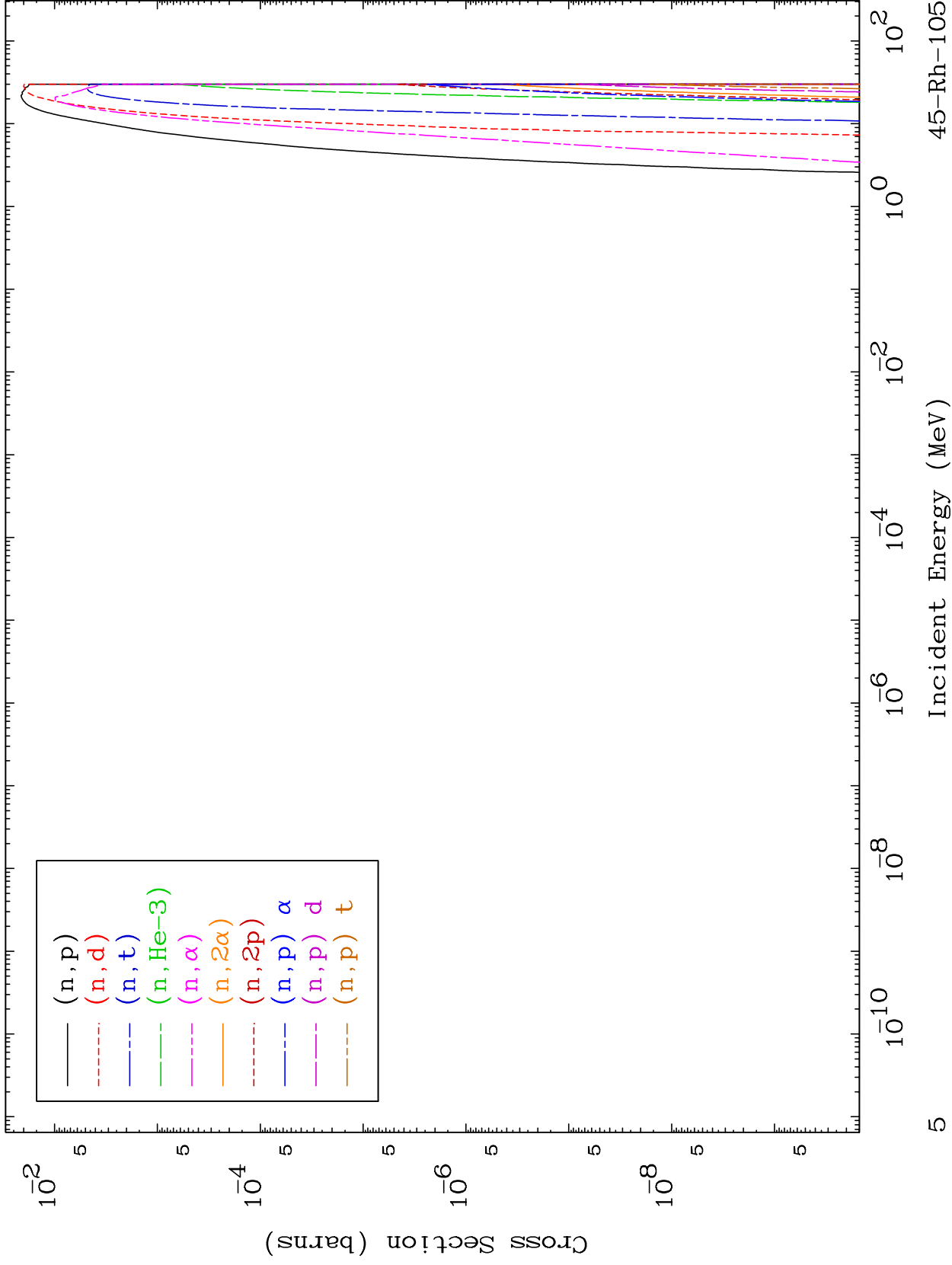
Incident Energy (MeV)

45-Rh-105

MAT 4531

Charged Particle
293 Kelvin Cross Sections

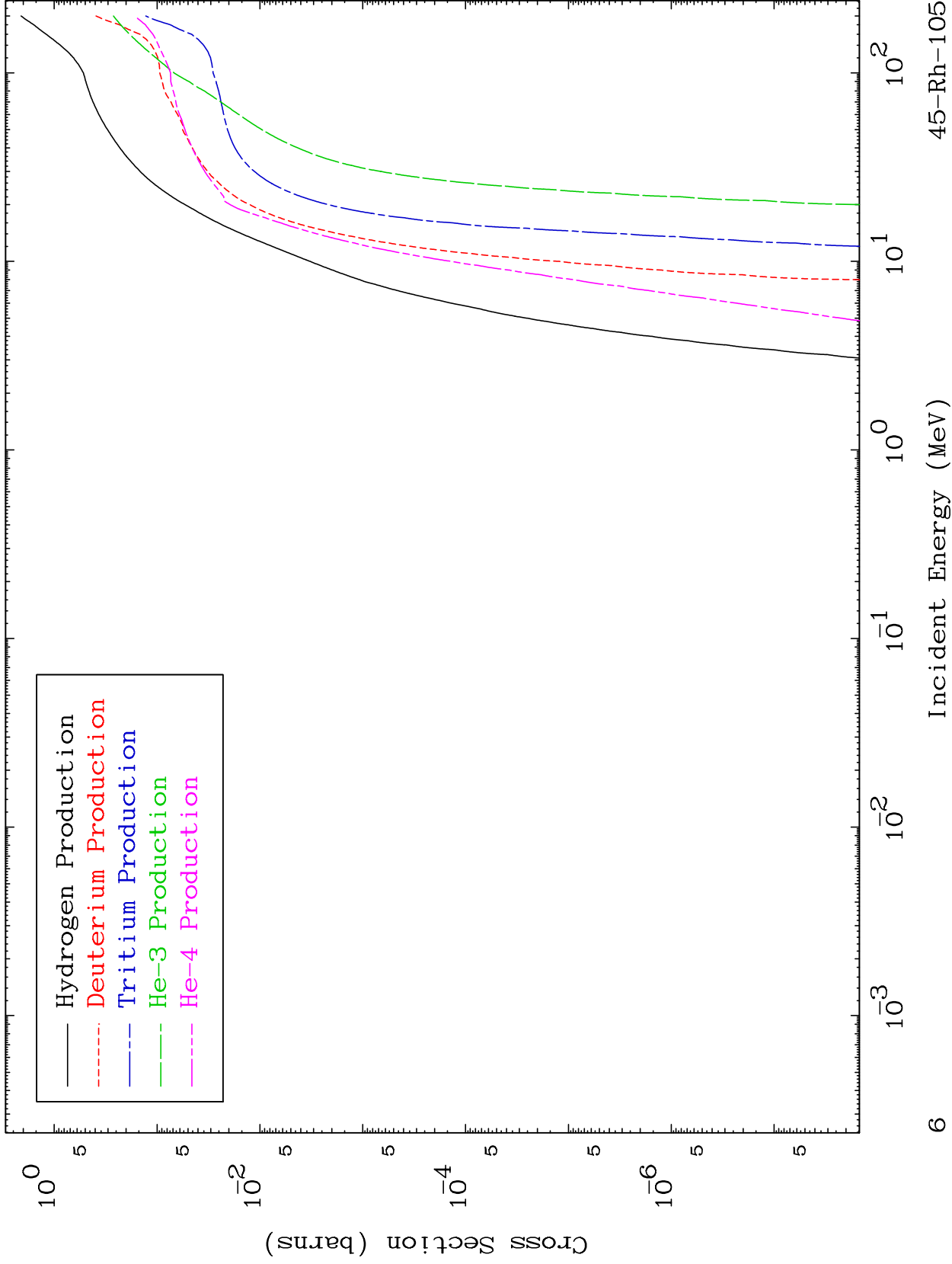
45-Rh-105



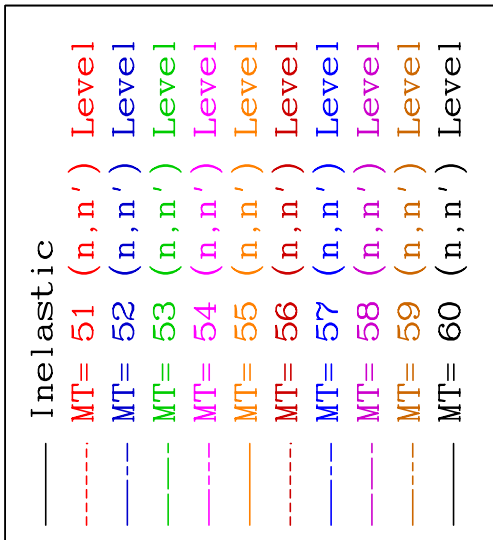
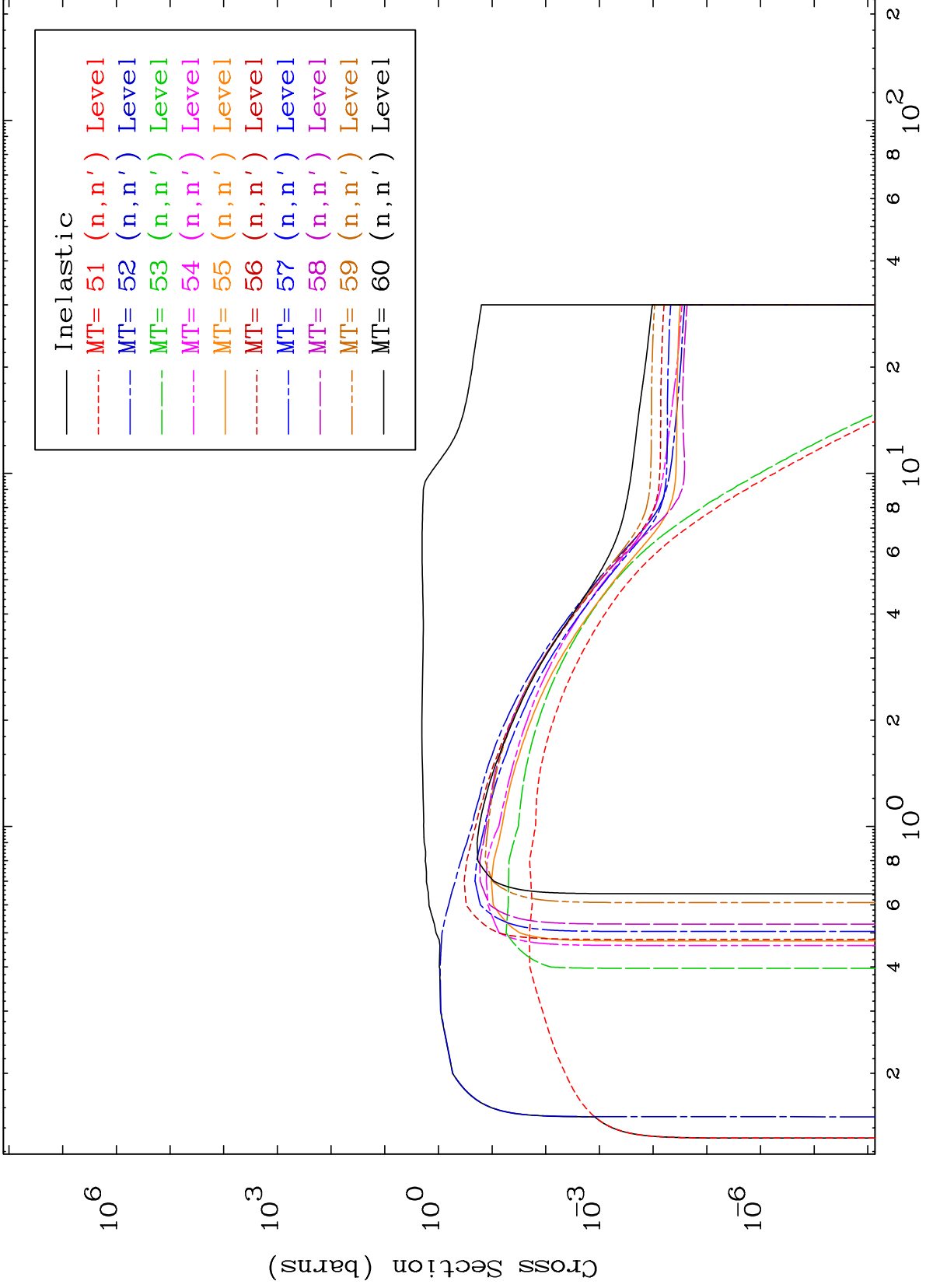
MAT 4531

Particle Production
293 Kelvin Cross Sections

45-Rh-105



293 Kelvin Cross Sections

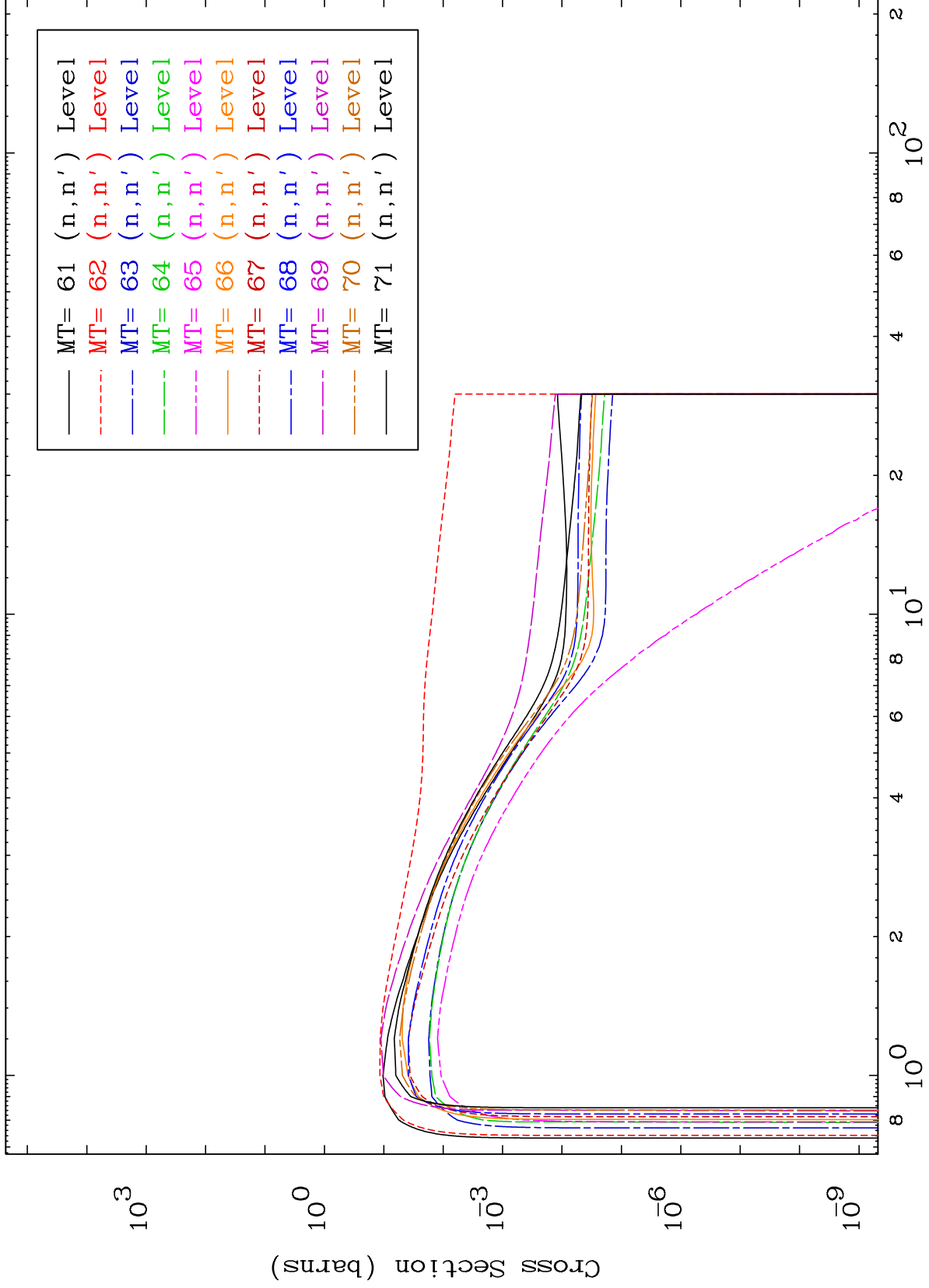


MAT 4531

(n,n') Level

45-Rh-105

293 Kelvin Cross Sections



8

Incident Energy (MeV)

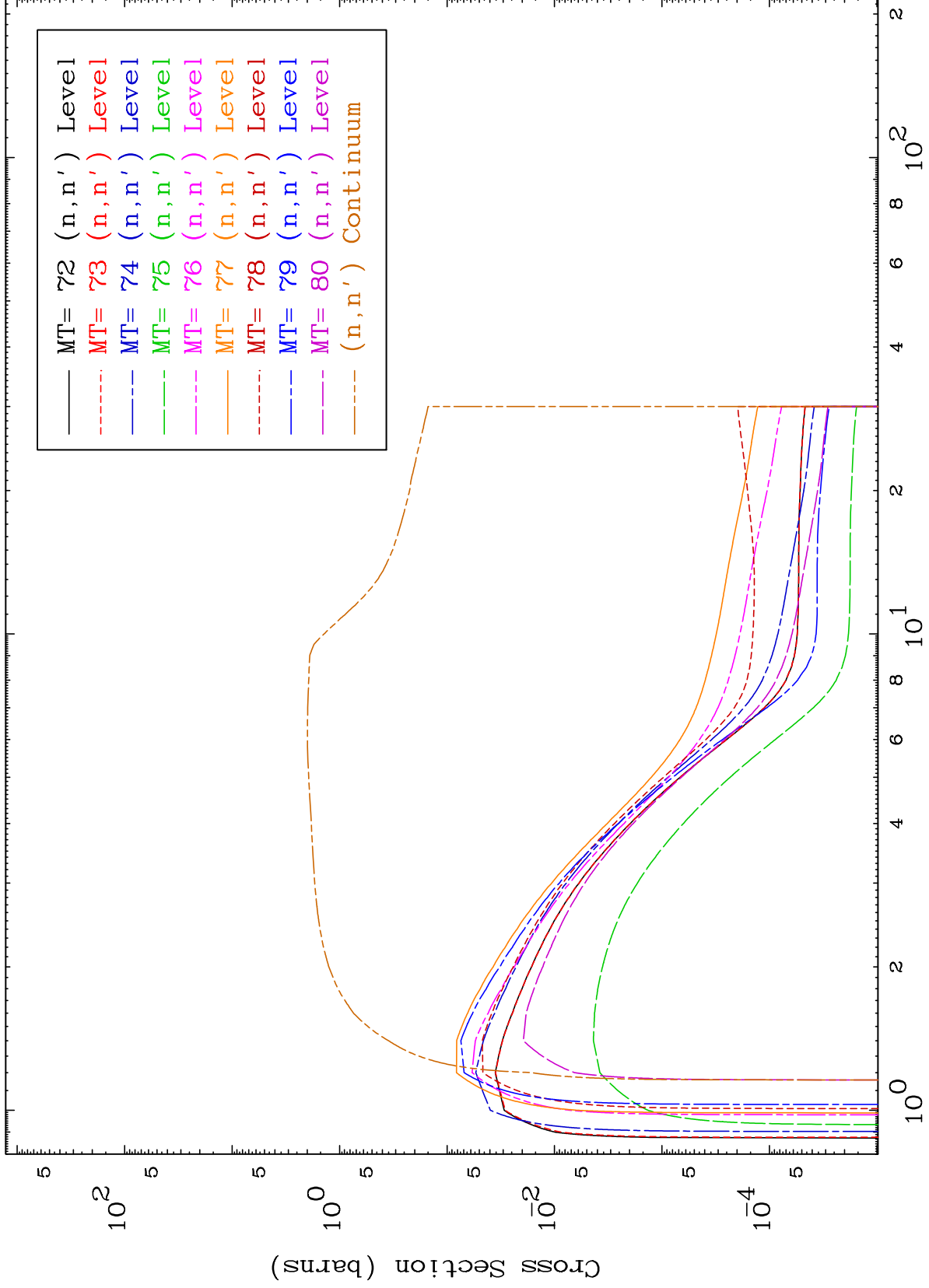
45-Rh-105

MAT 4531

(n,n') Level

45-Rh-105

293 Kelvin Cross Sections



Incident Energy (MeV)

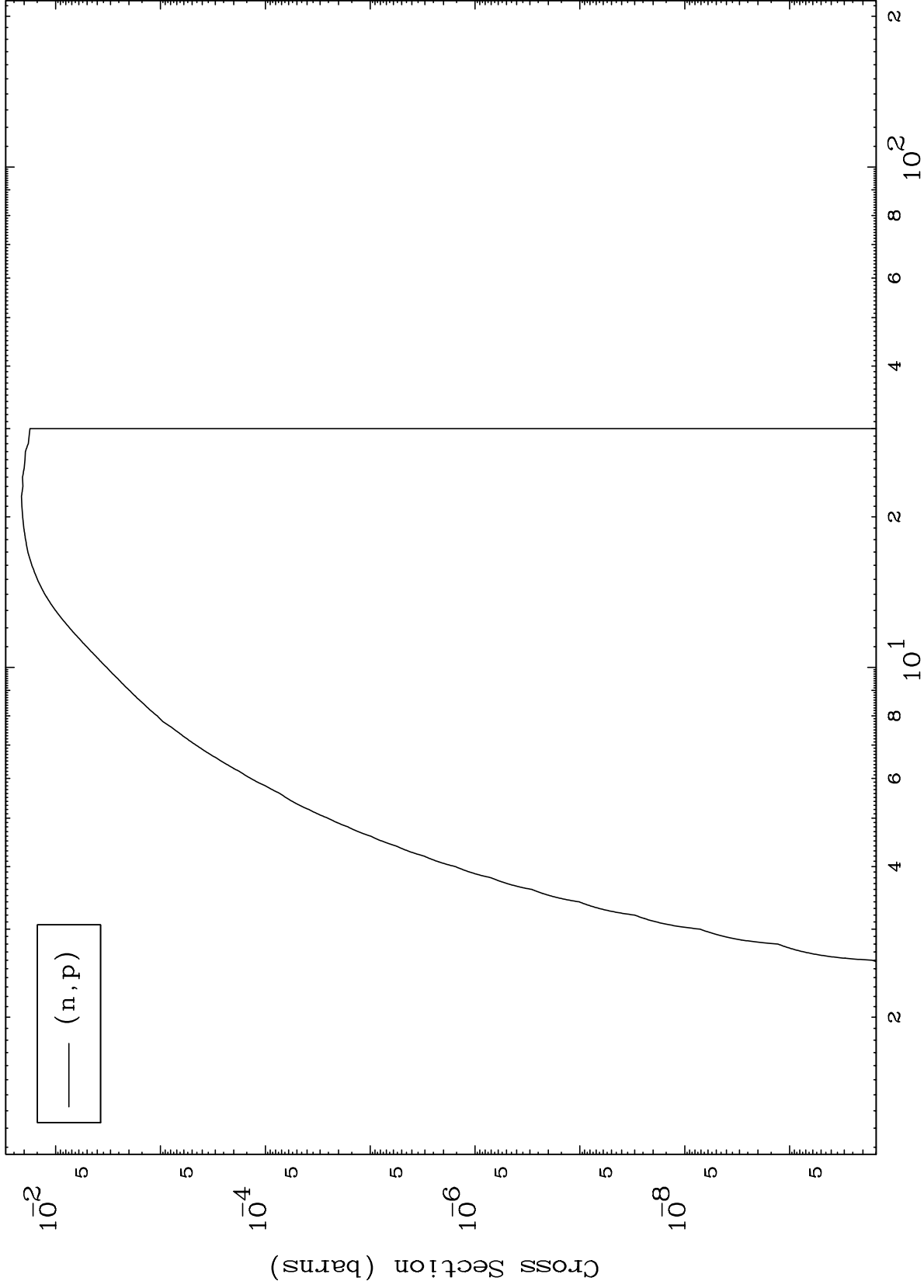
45-Rh-105

9

MAT 4531

(n,p) Levels
293 Kelvin Cross Sections

45-Rh-105



10

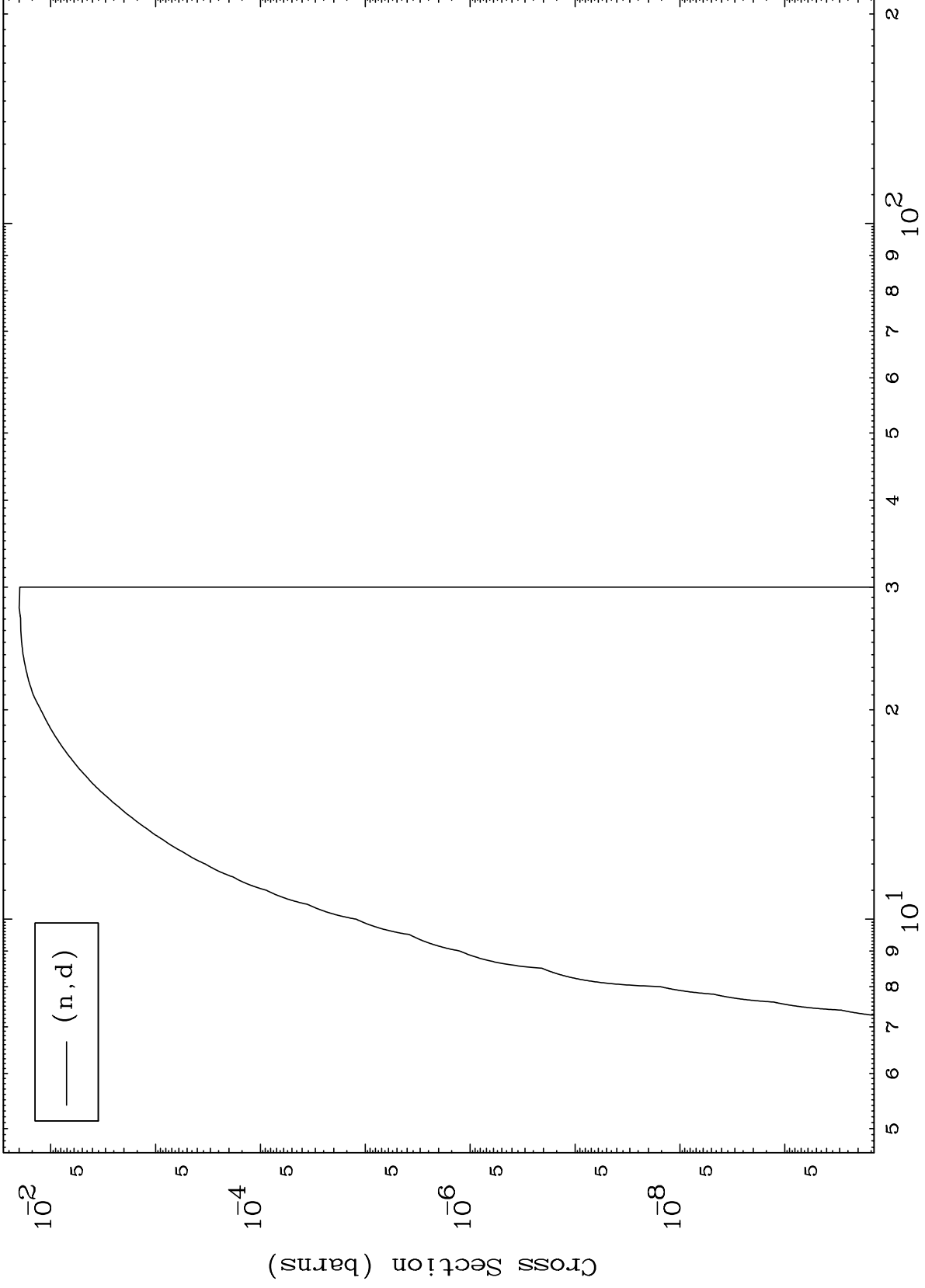
Incident Energy (MeV)

45-Rh-105

MAT 4531

(n,d) Levels
293 Kelvin Cross Sections

45-Rh-105



11

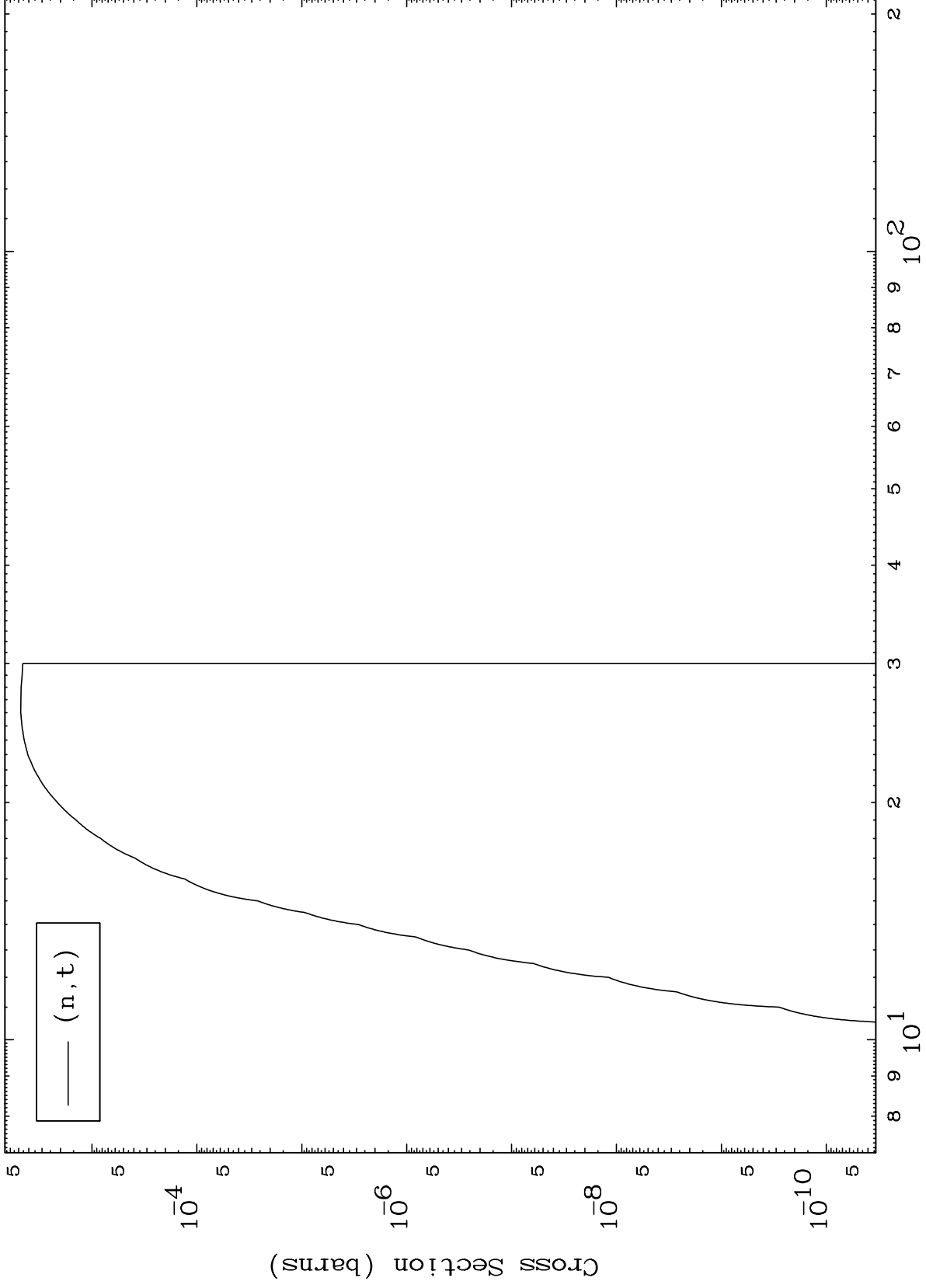
Incident Energy (MeV)

45-Rh-105

MAT 4531

(n,t) Levels
293 Kelvin Cross Sections

45-Rh-105



12

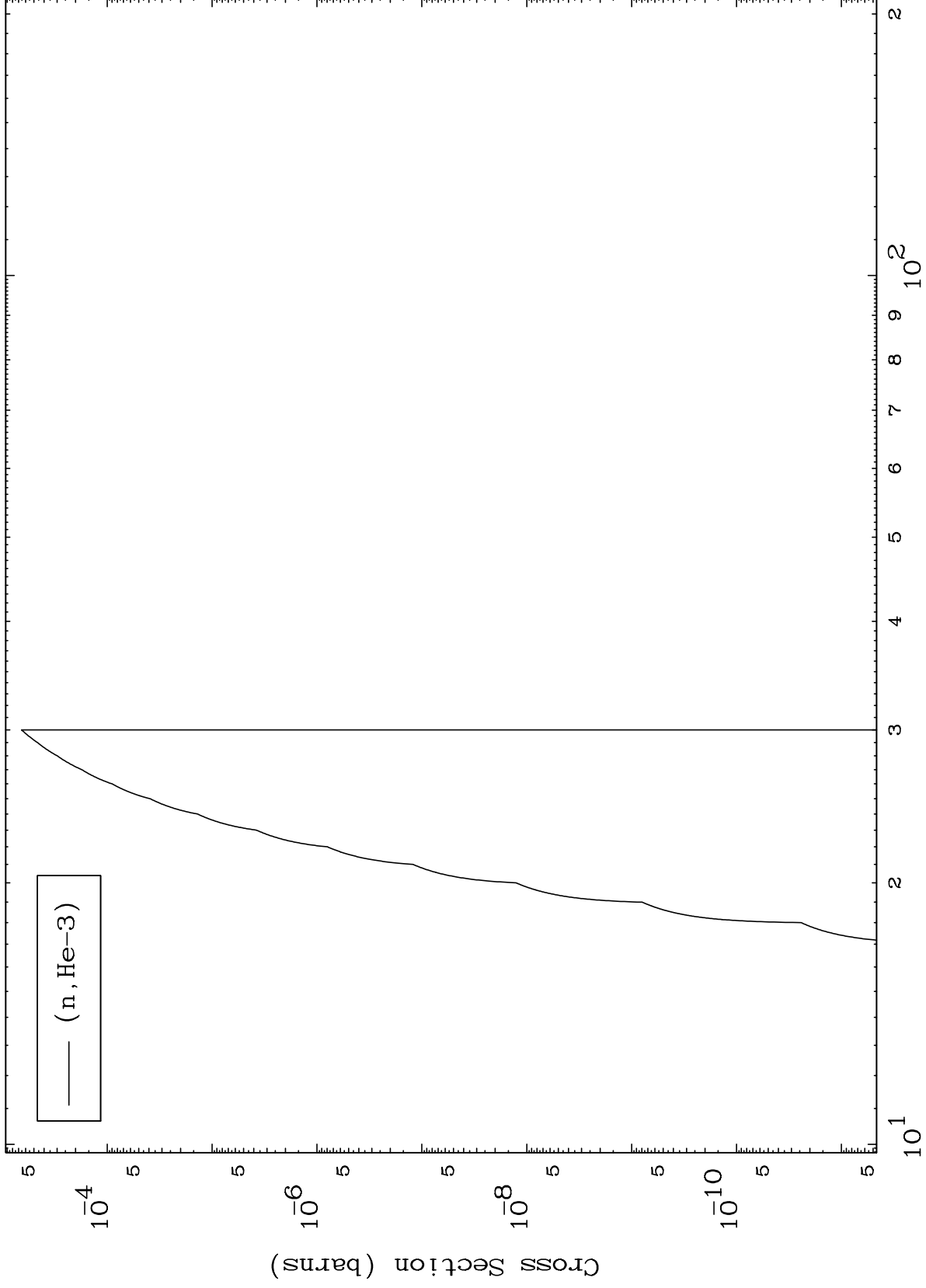
Incident Energy (MeV)

45-Rh-105

MAT 4531

(n,He3) Levels
293 Kelvin Cross Sections

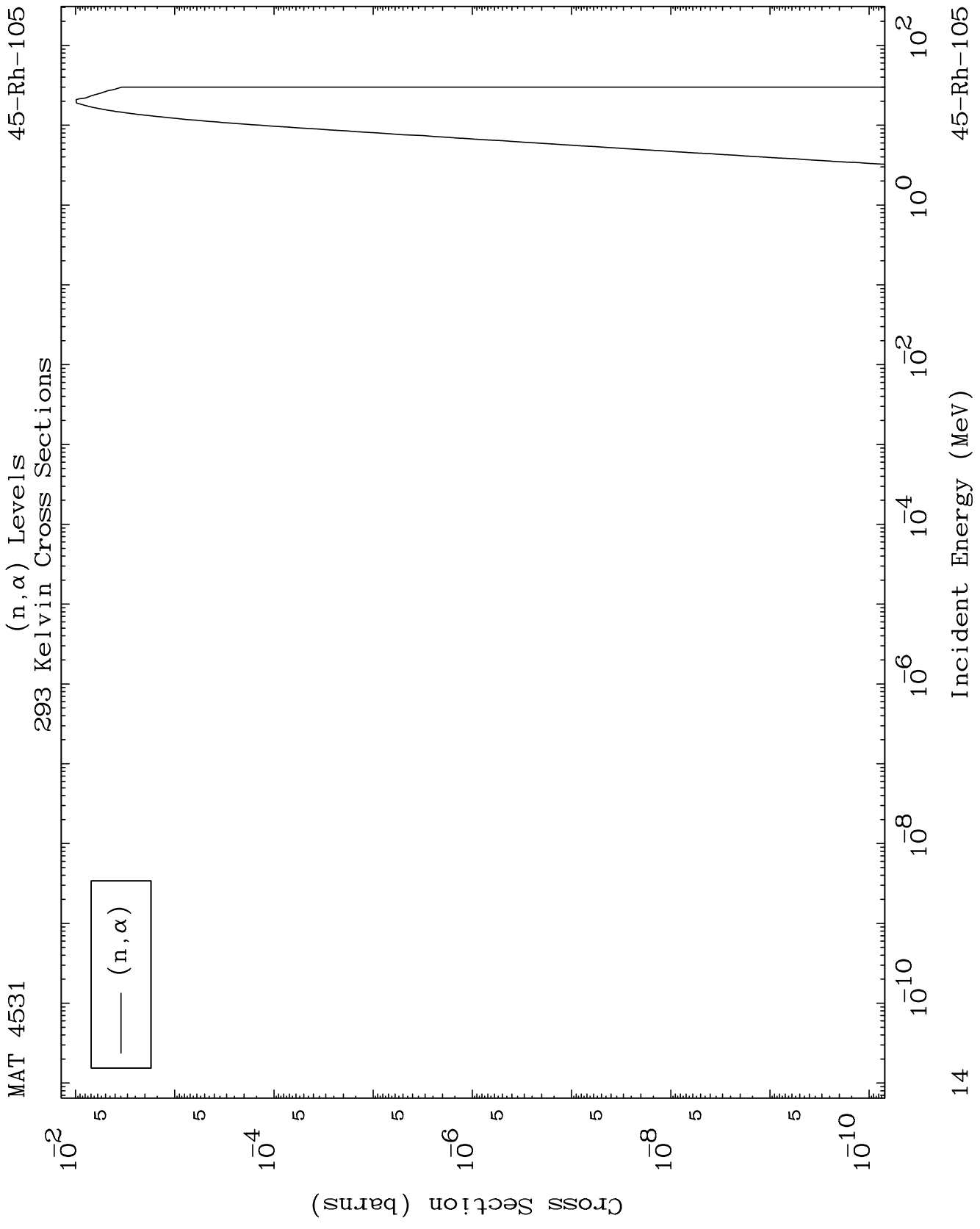
45-Rh-105

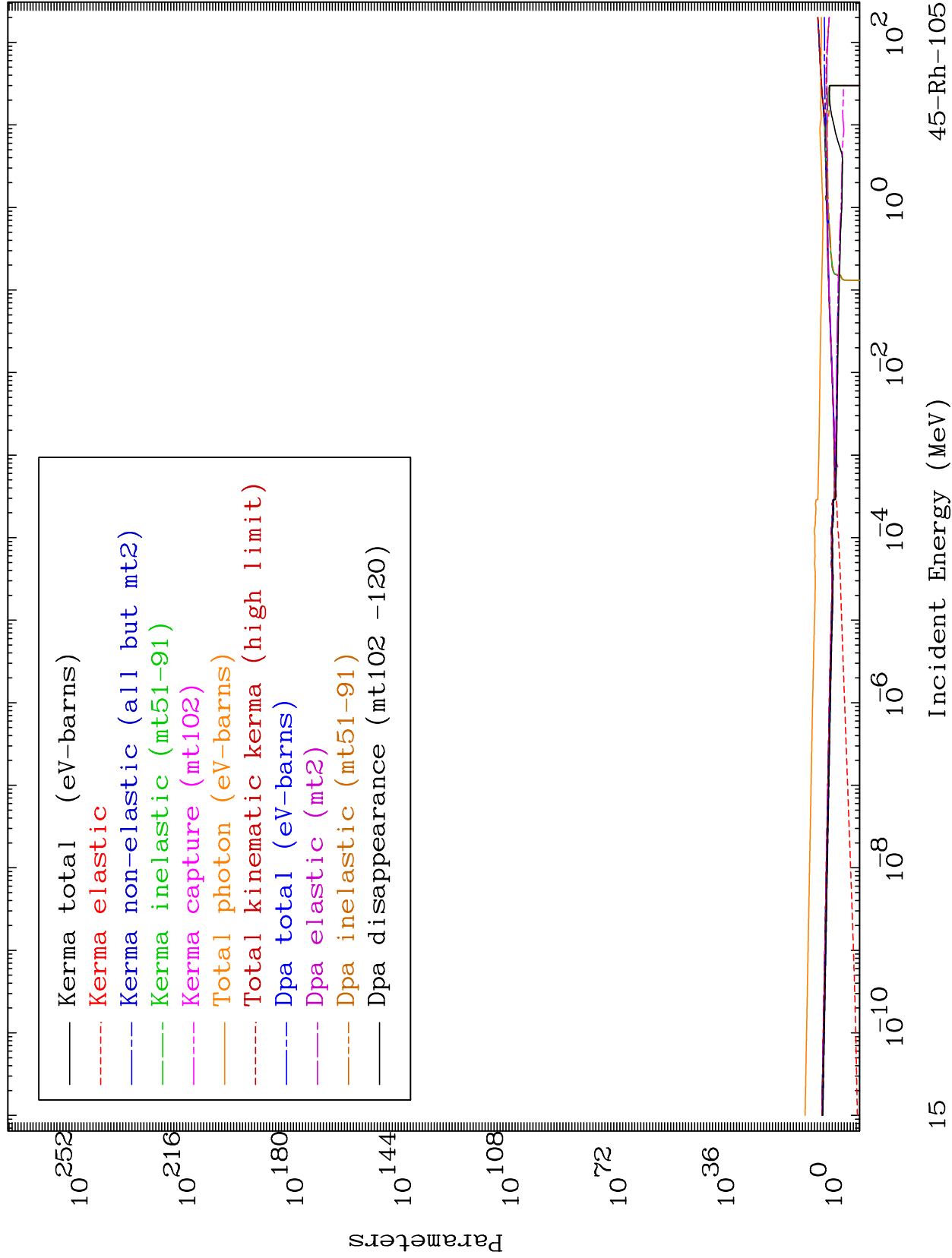


13

Incident Energy (MeV)

45-Rh-105

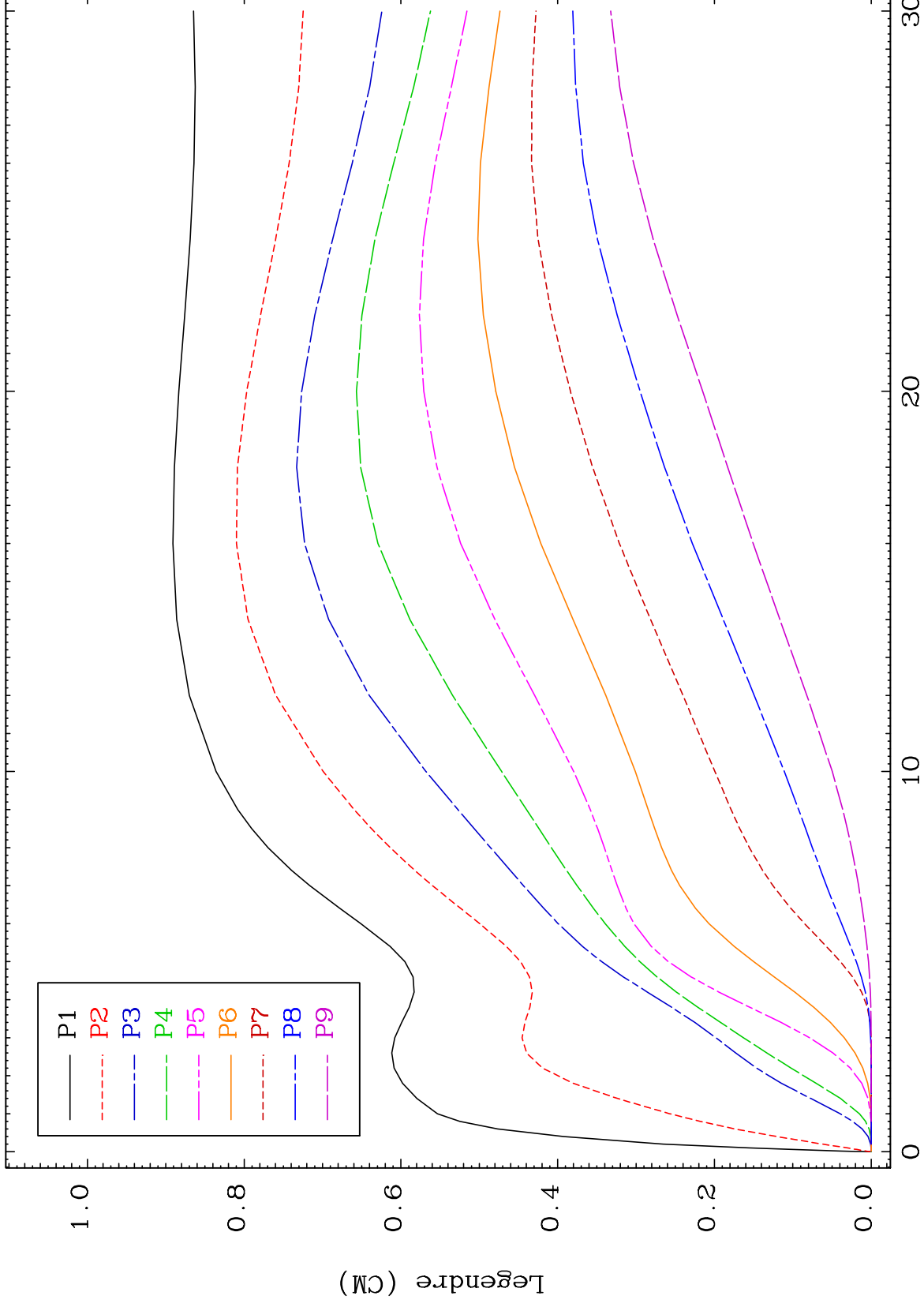




MAT 4531

Elastic Legendre Coefficients

45-Rh-105



16

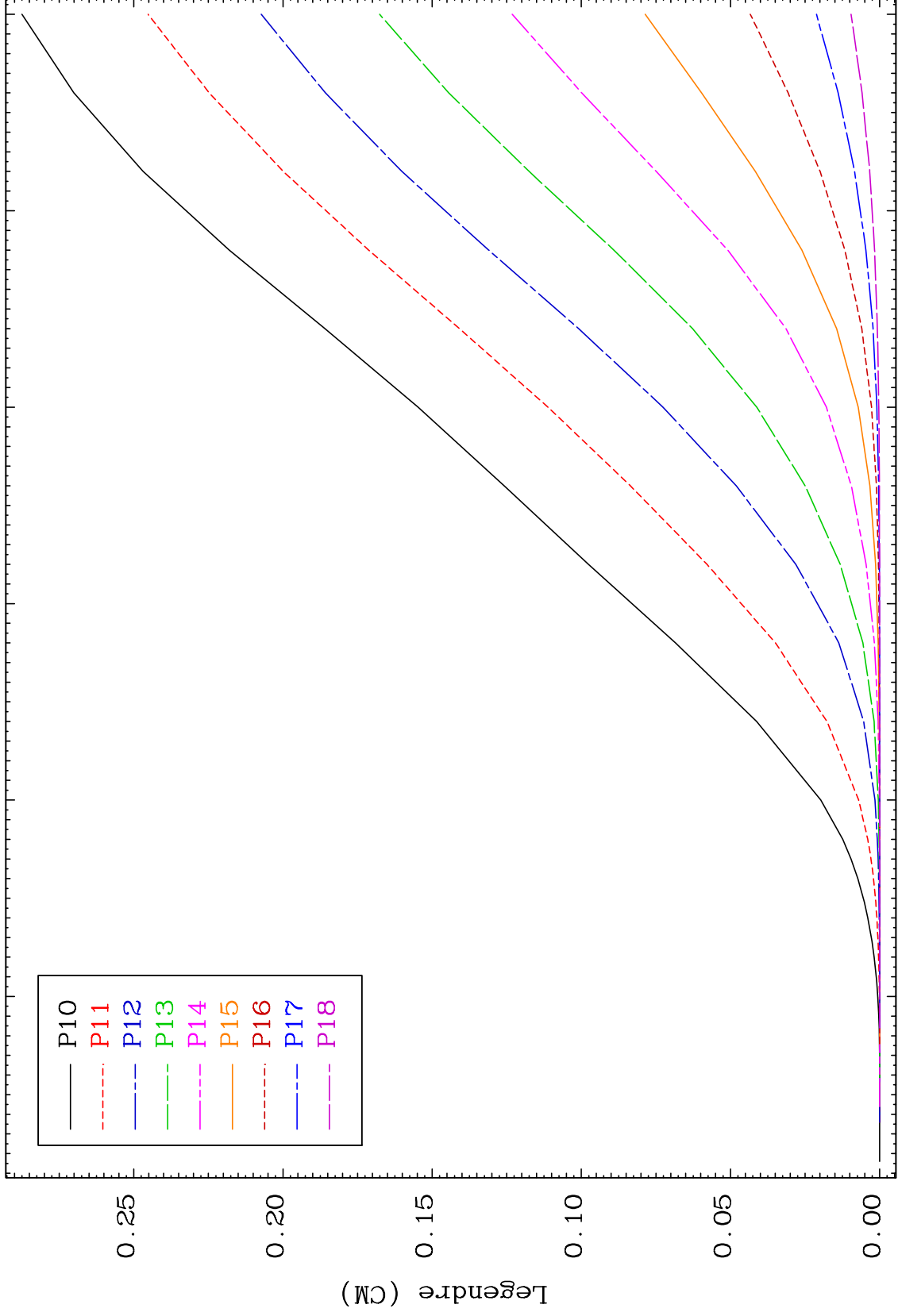
Incident Energy (MeV)

45-Rh-105

MAT 4531

Elastic
Legendre Coefficients

45-Rh-105



17

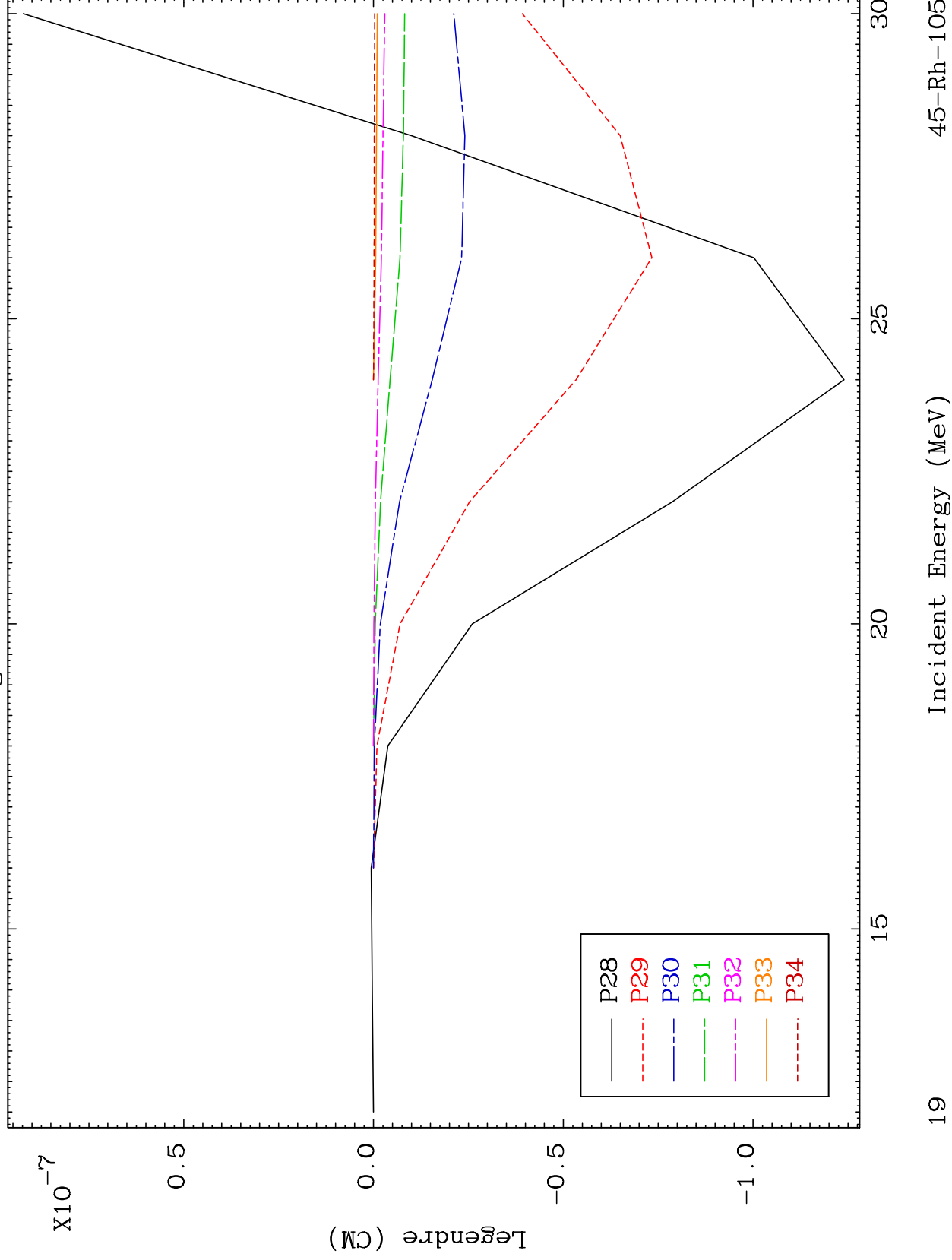
Incident Energy (MeV)

45-Rh-105

MAT 4531

Elastic
Legendre Coefficients

45-Rh-105



19

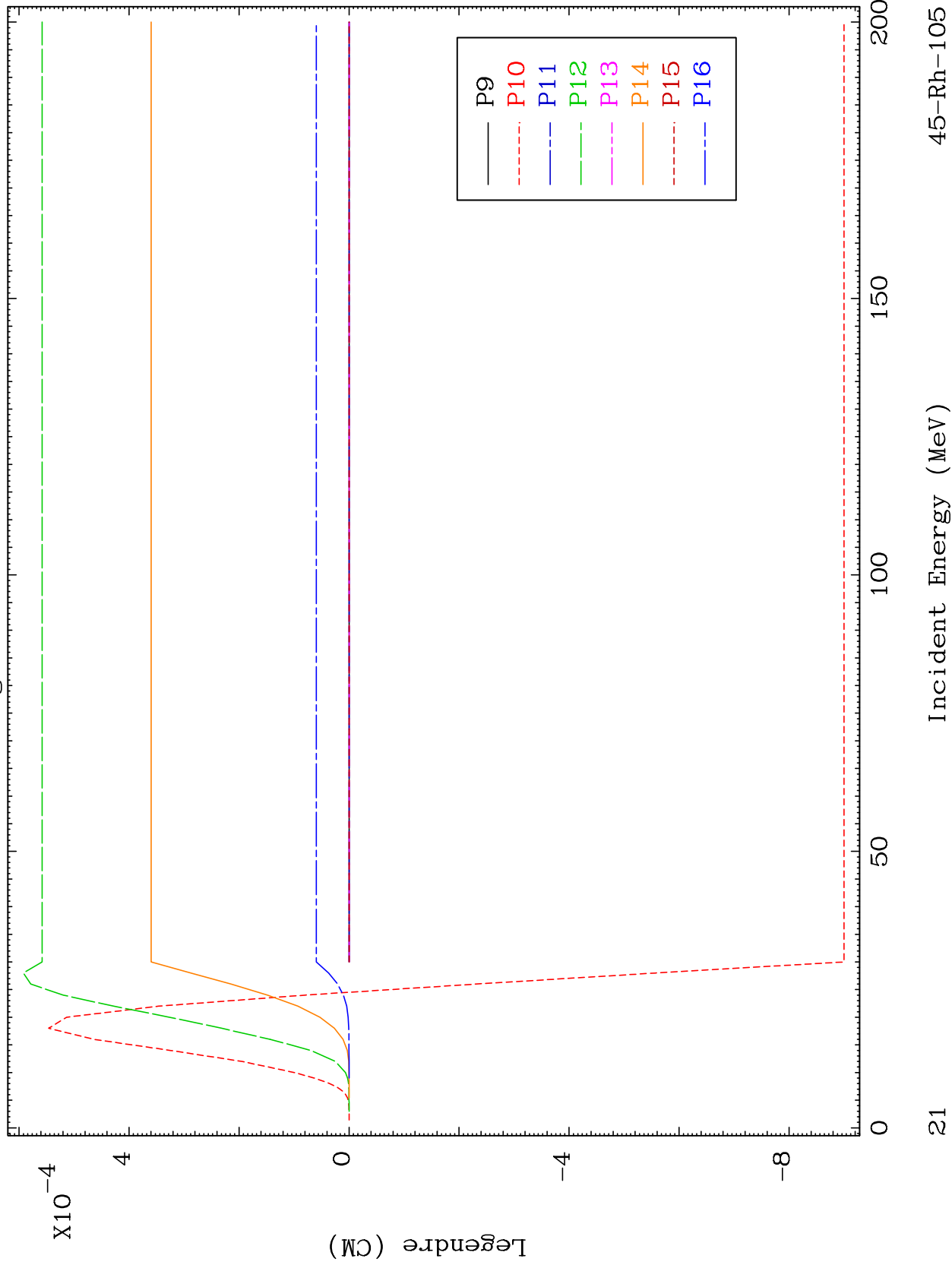
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

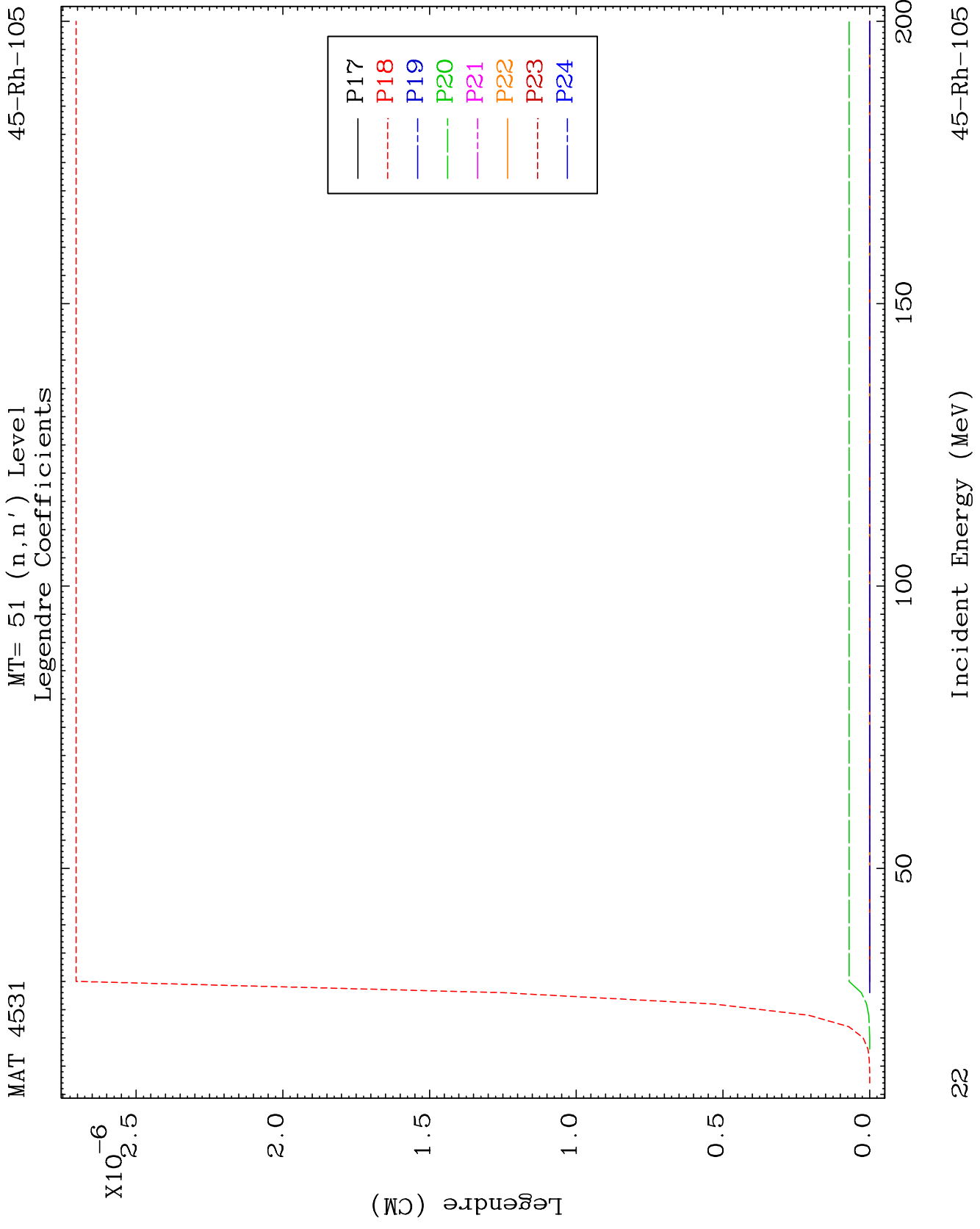
45-Rh-105



21

Incident Energy (MeV)

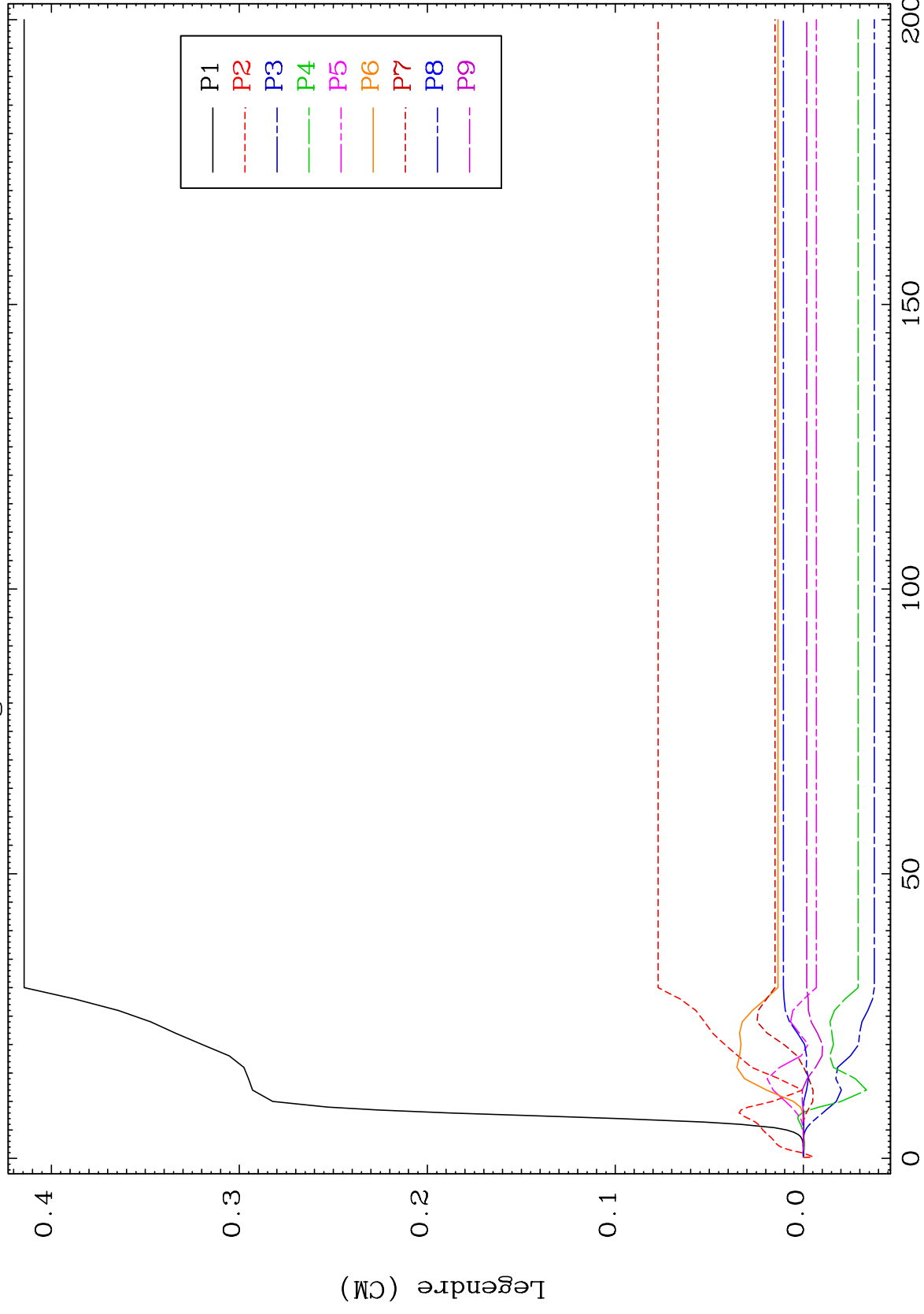
45-Rh-105



MAT 4531

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

45-Rh-105



23

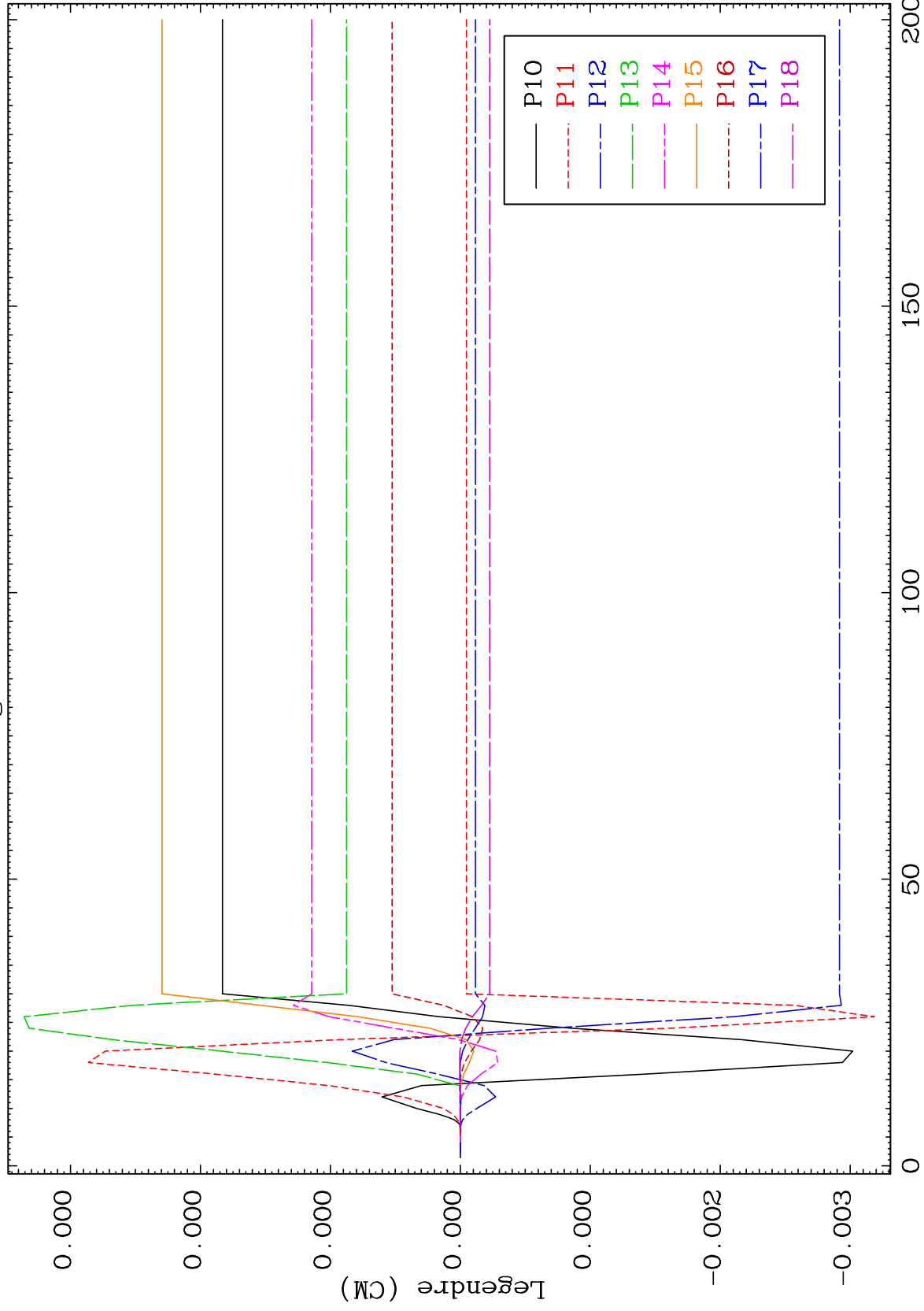
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

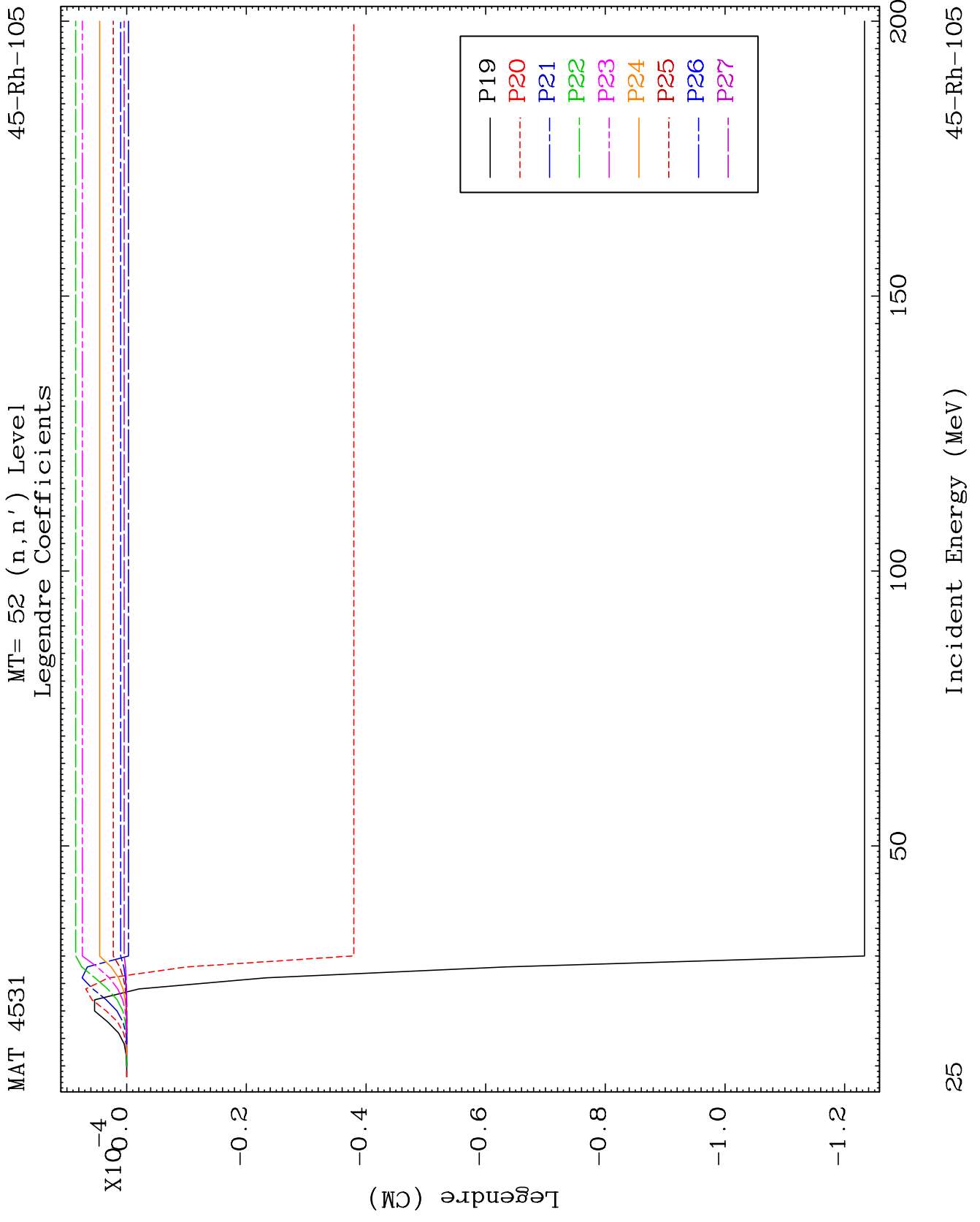
45-Rh-105



24

Incident Energy (MeV)

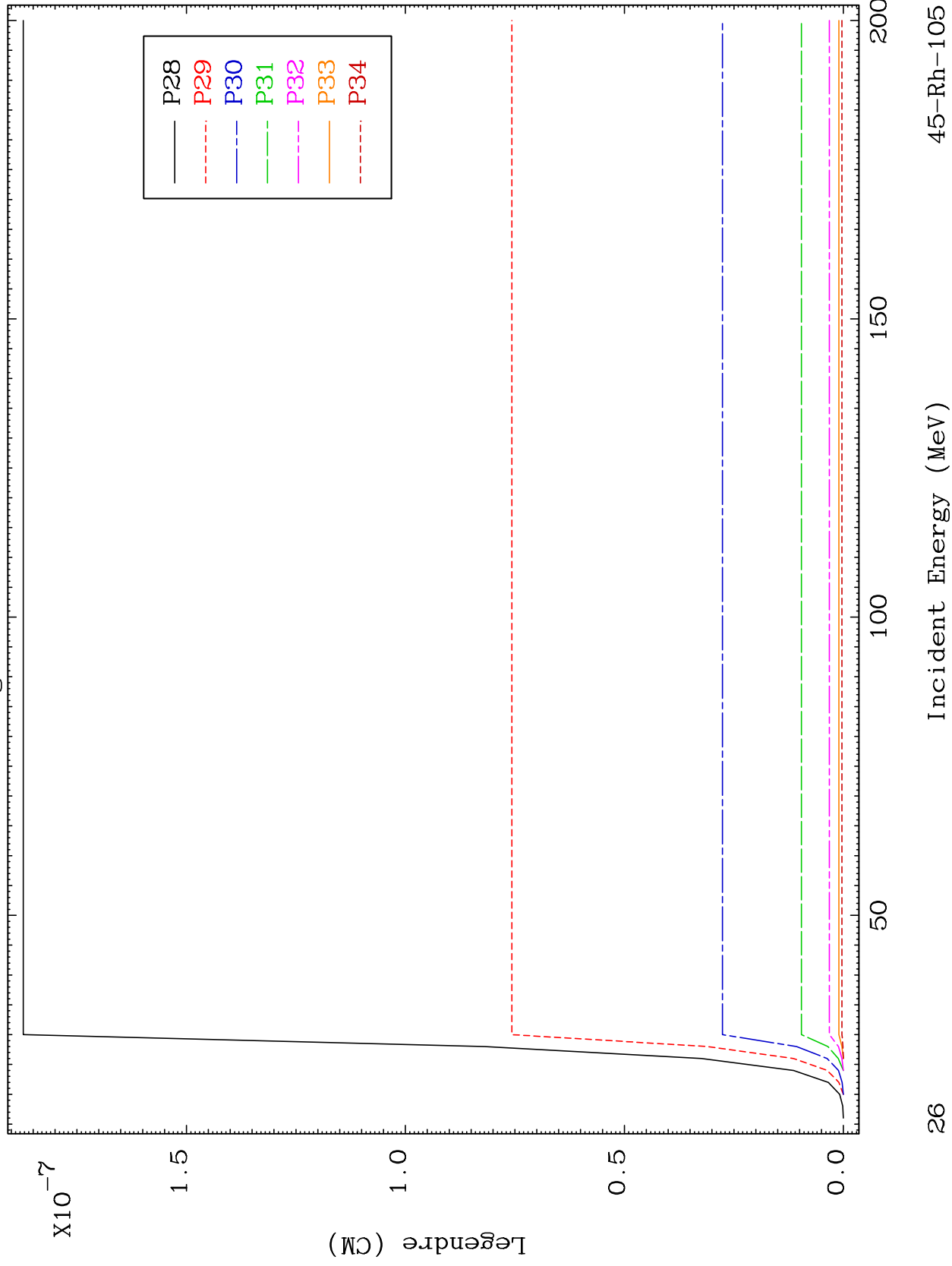
45-Rh-105



MAT 4531

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

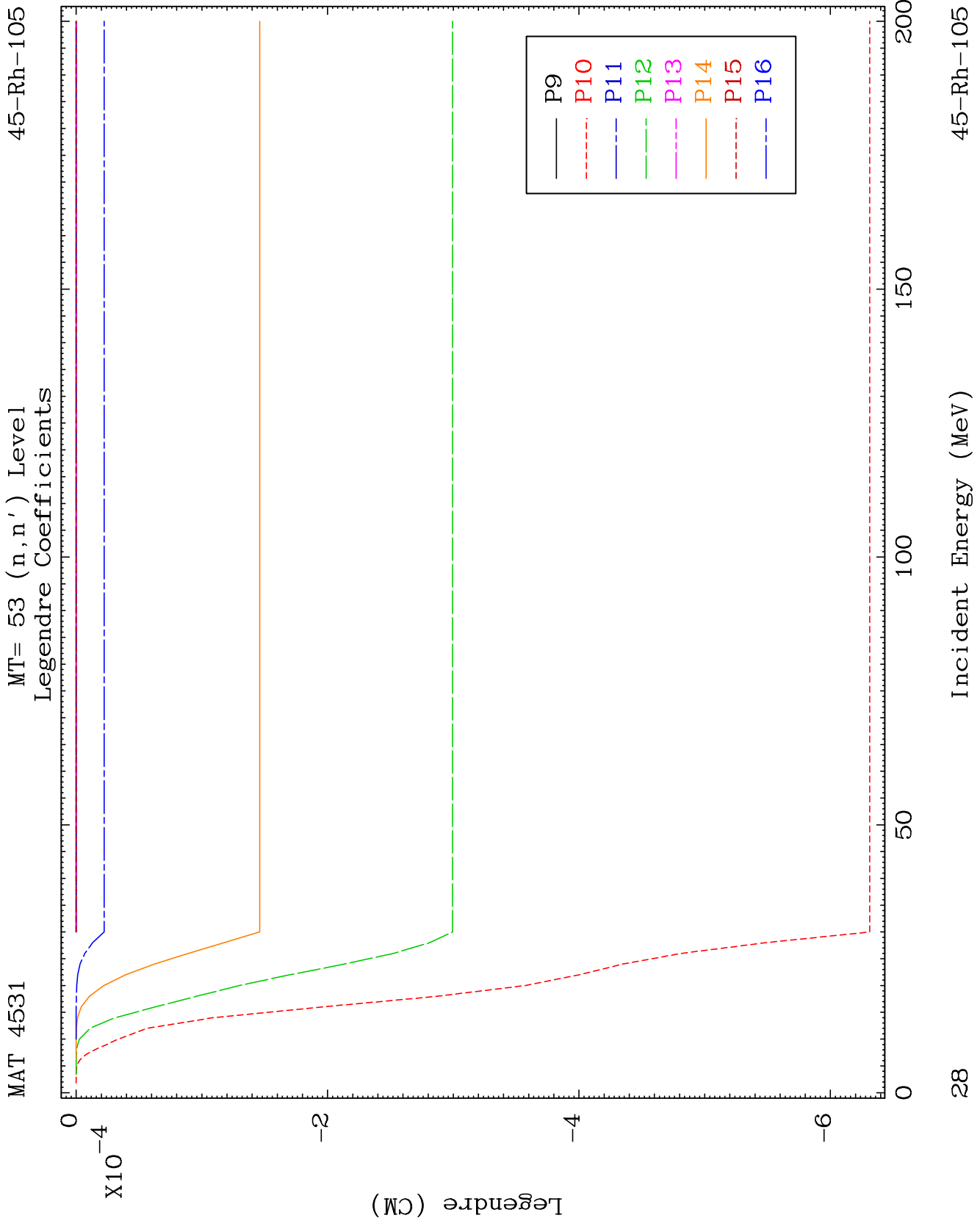
45-Rh-105



26

Incident Energy (MeV)

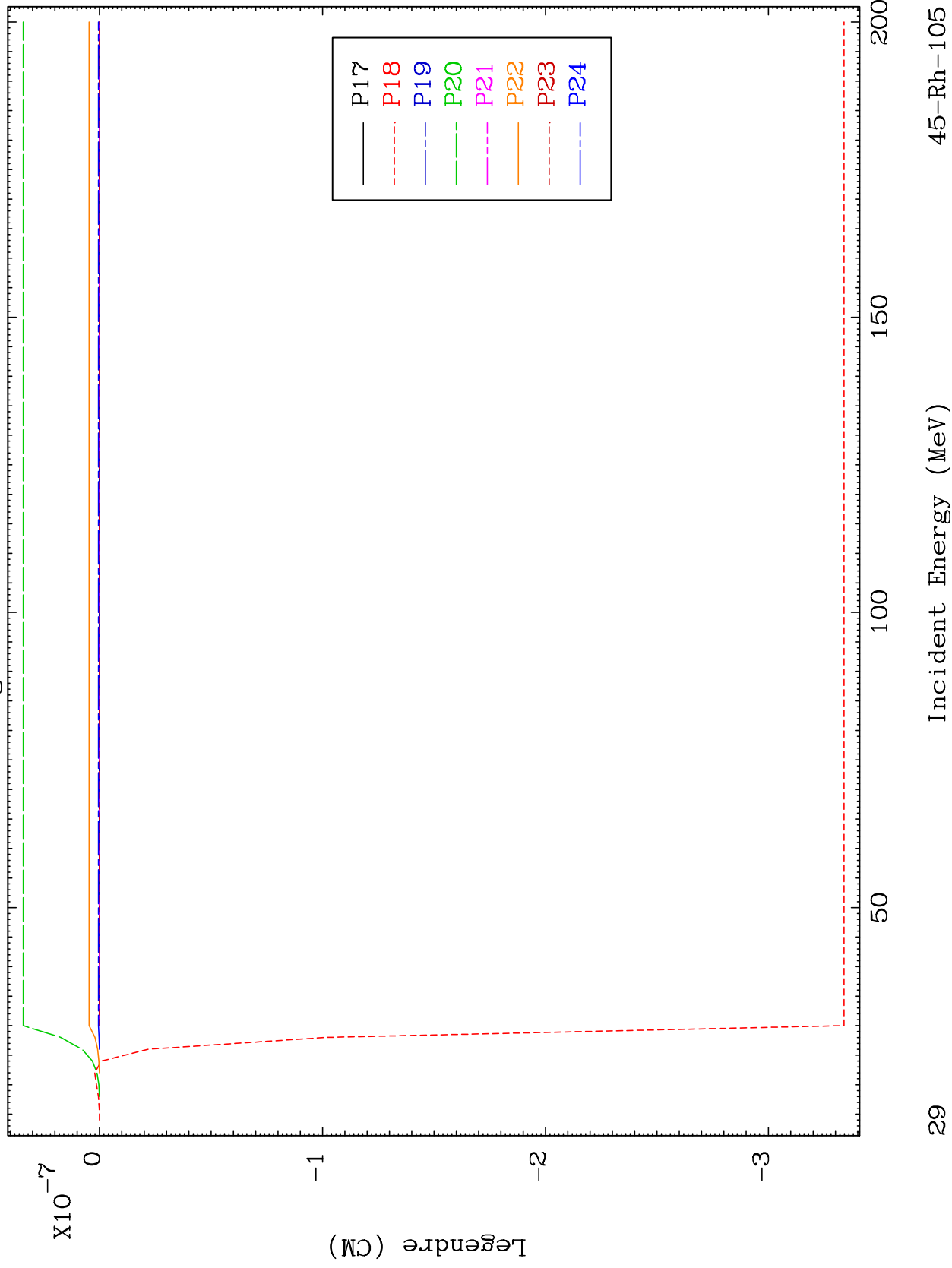
45-Rh-105



MAT 4531

45-Rh-105

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



29

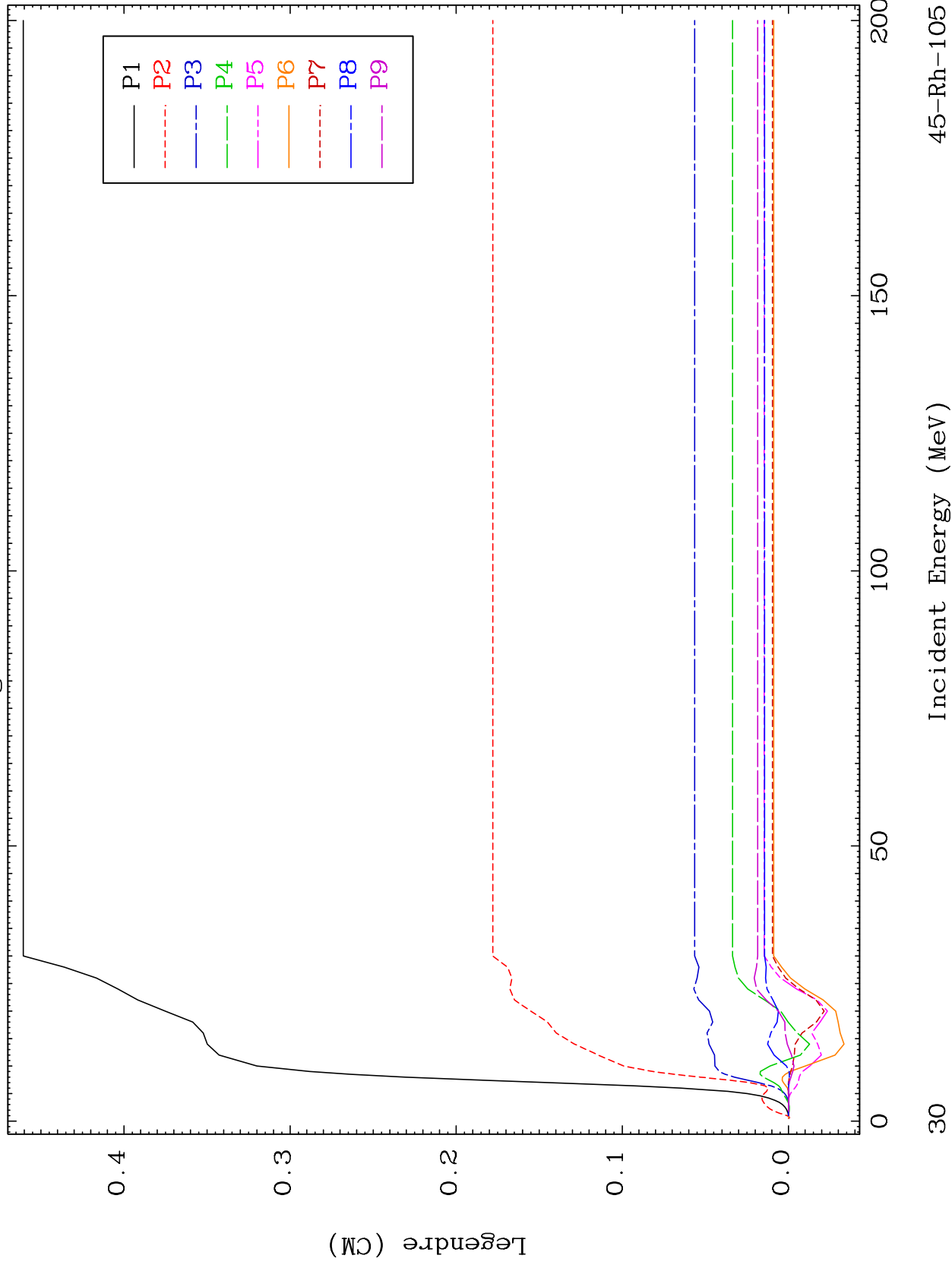
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



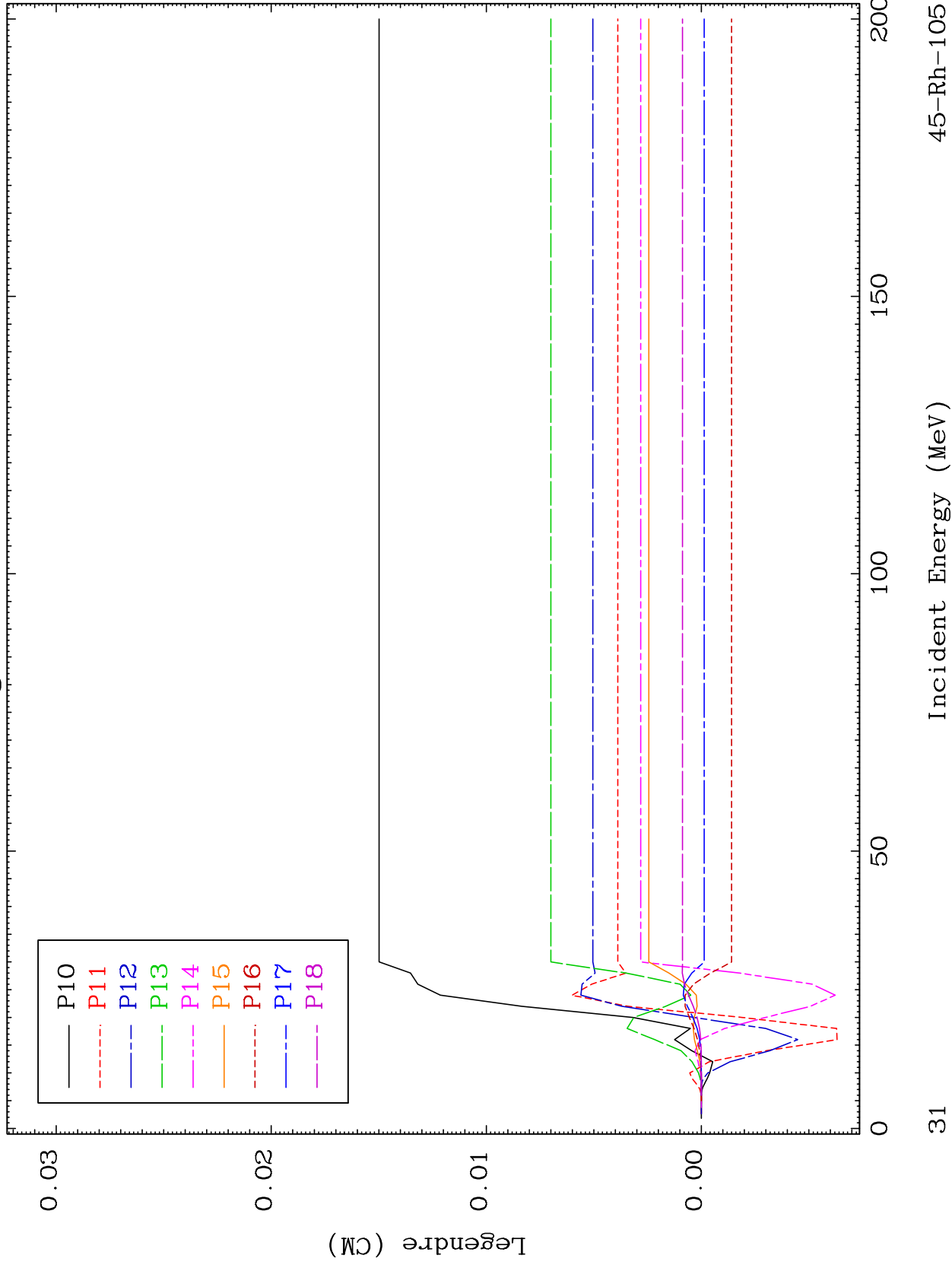
45-Rh-105

Incident Energy (MeV)

MAT 4531

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

45-Rh-105



31

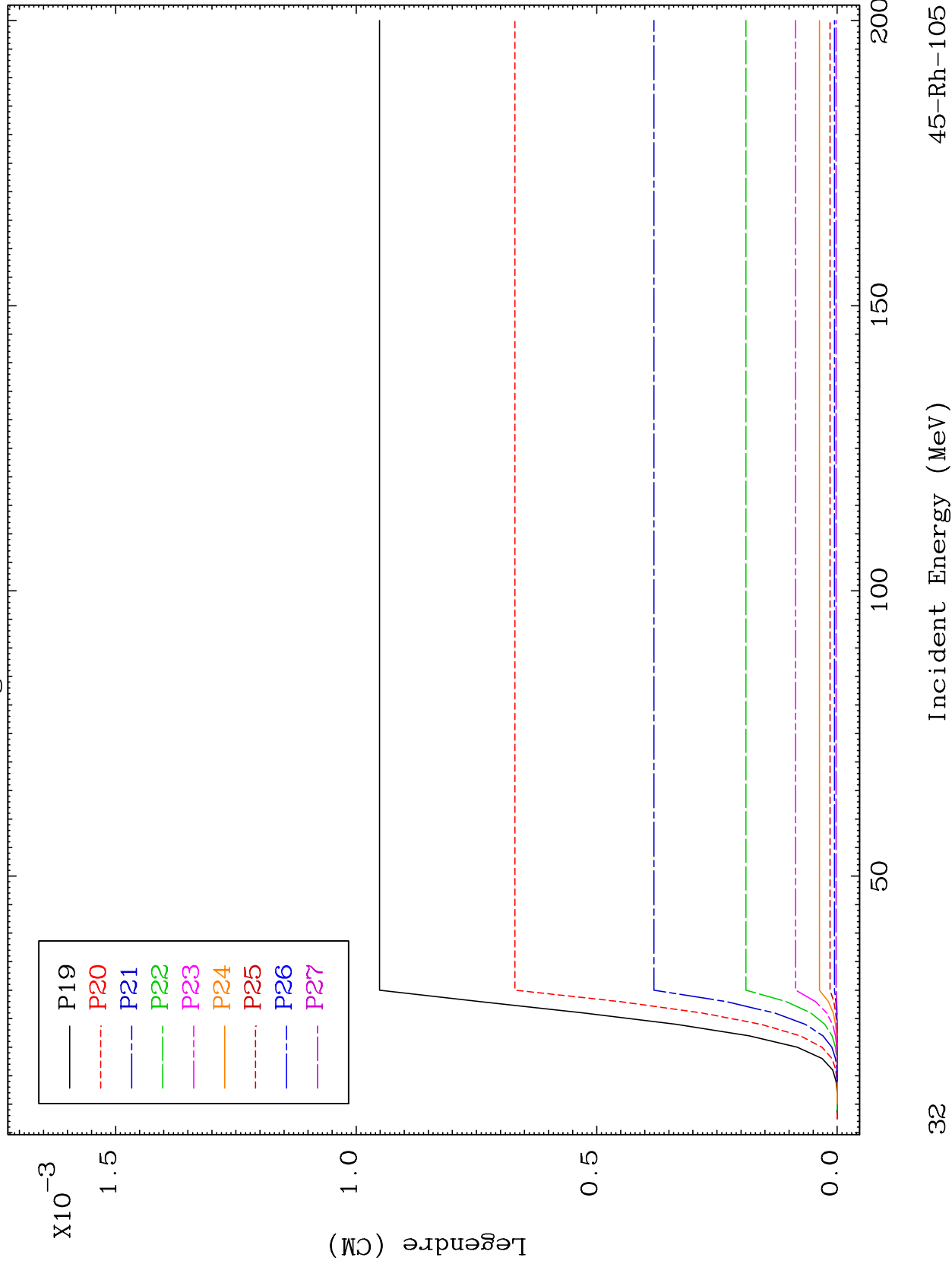
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



32

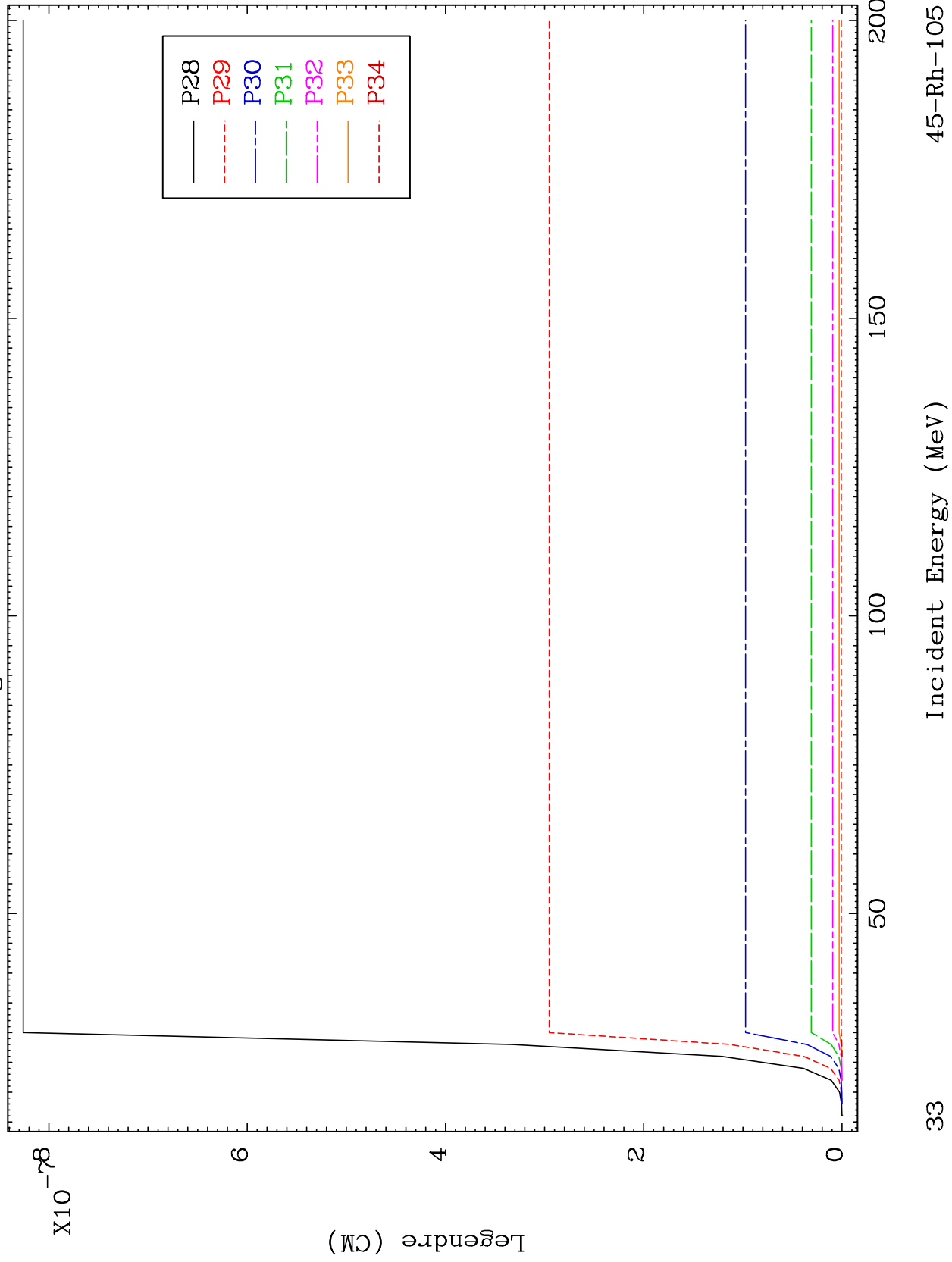
45-Rh-105

Incident Energy (MeV)

MAT 4531

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

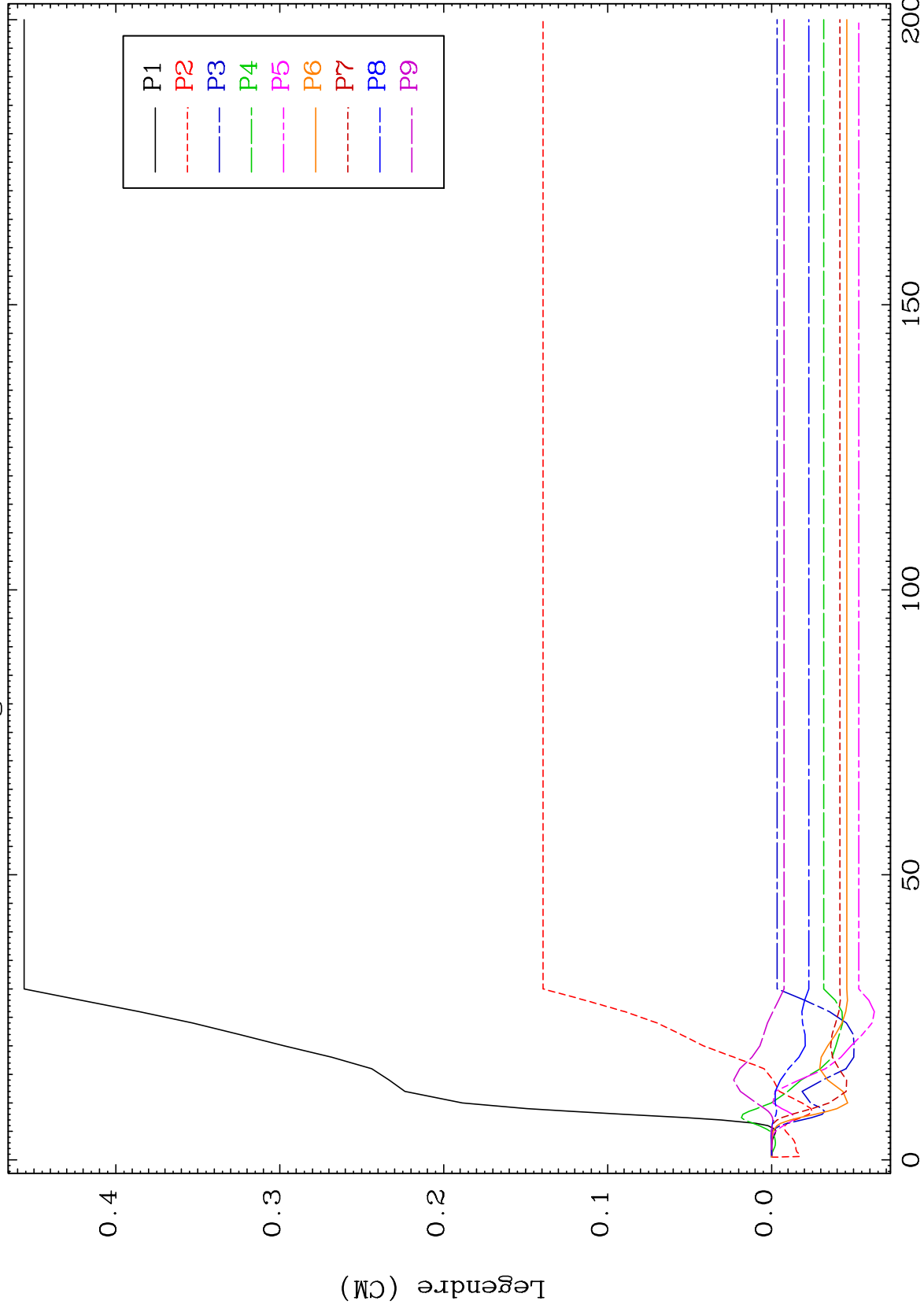
45-Rh-105



MAT 4531

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

45-Rh-105



34

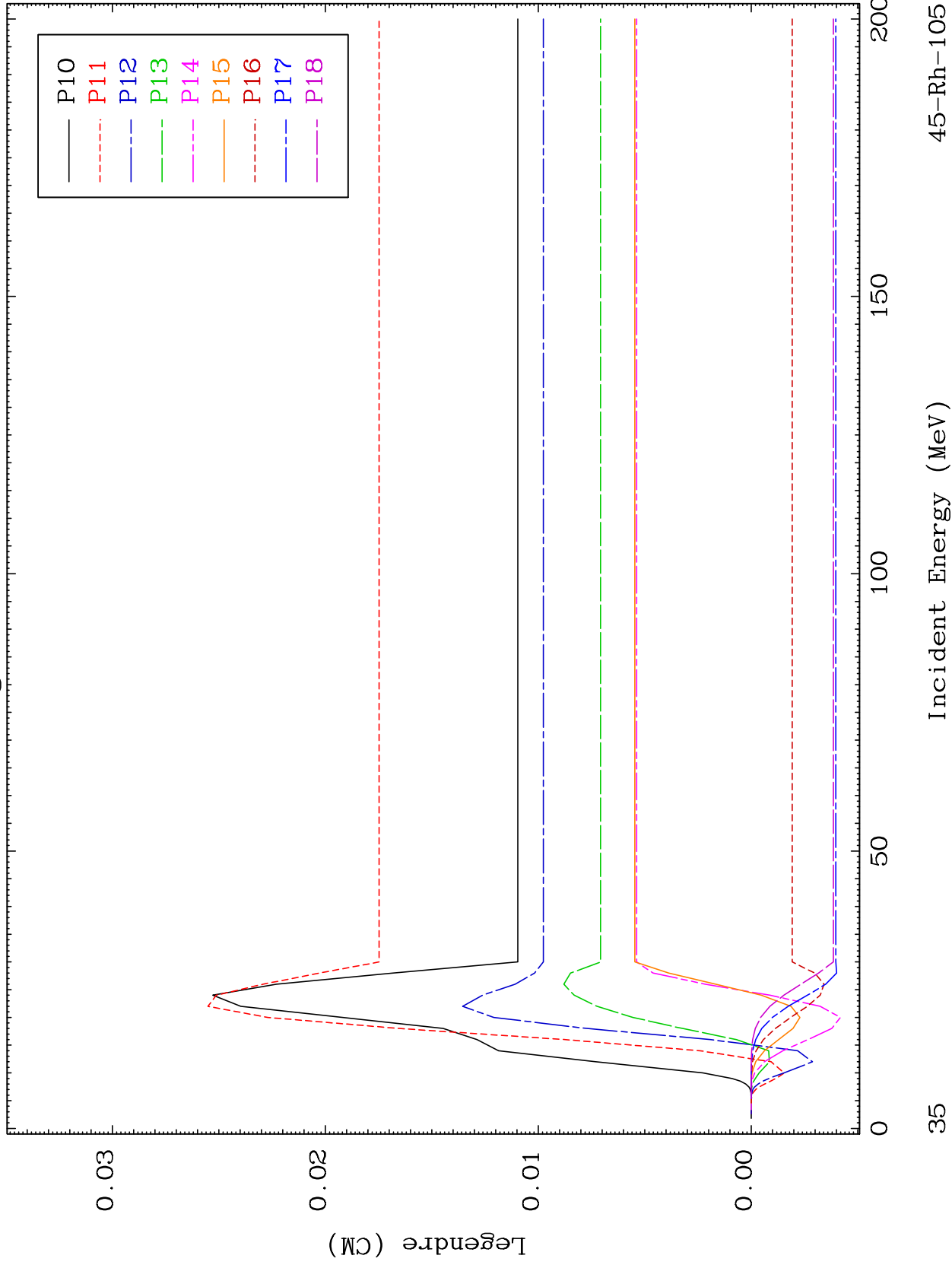
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

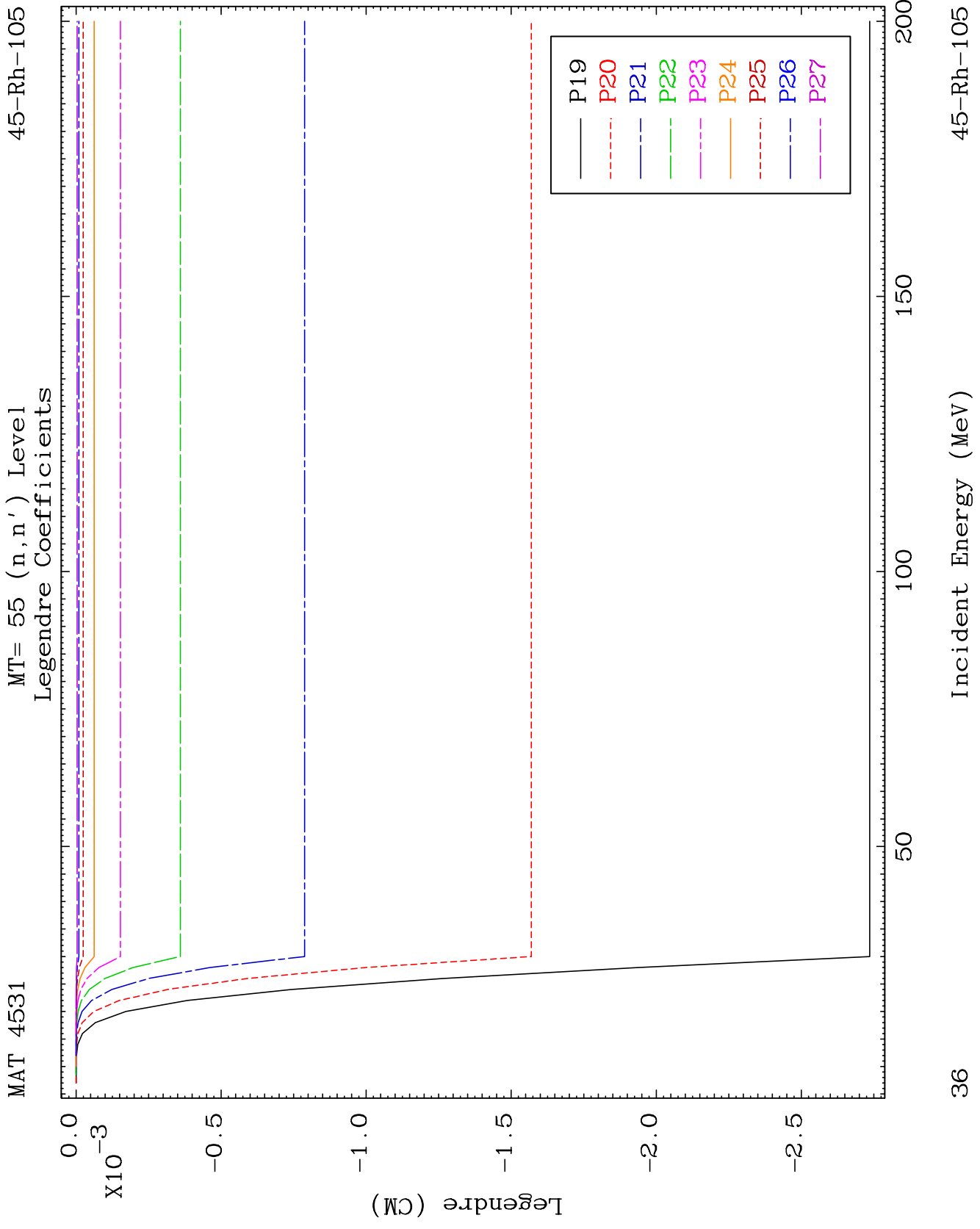
45-Rh-105

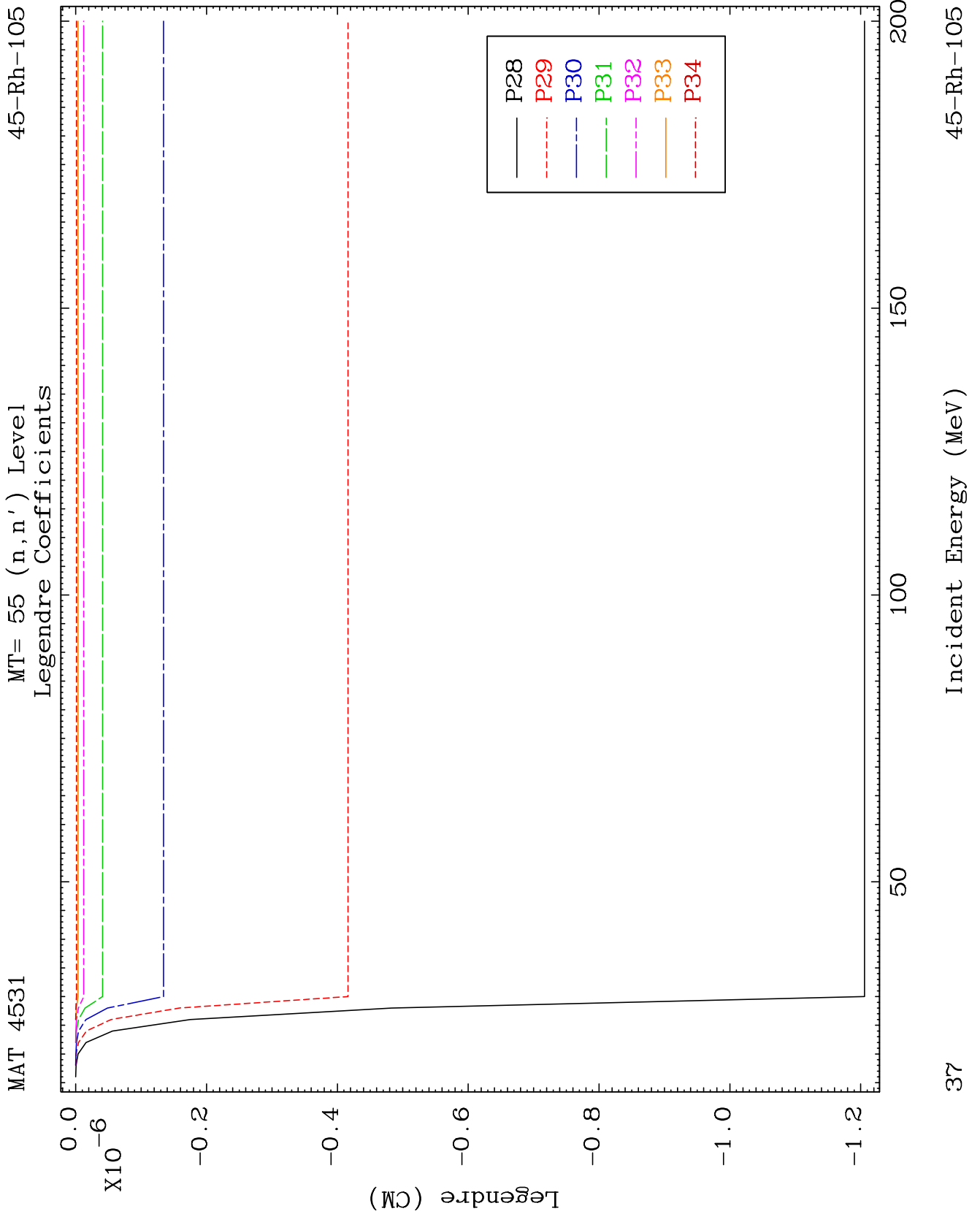


45-Rh-105

Incident Energy (MeV)

35

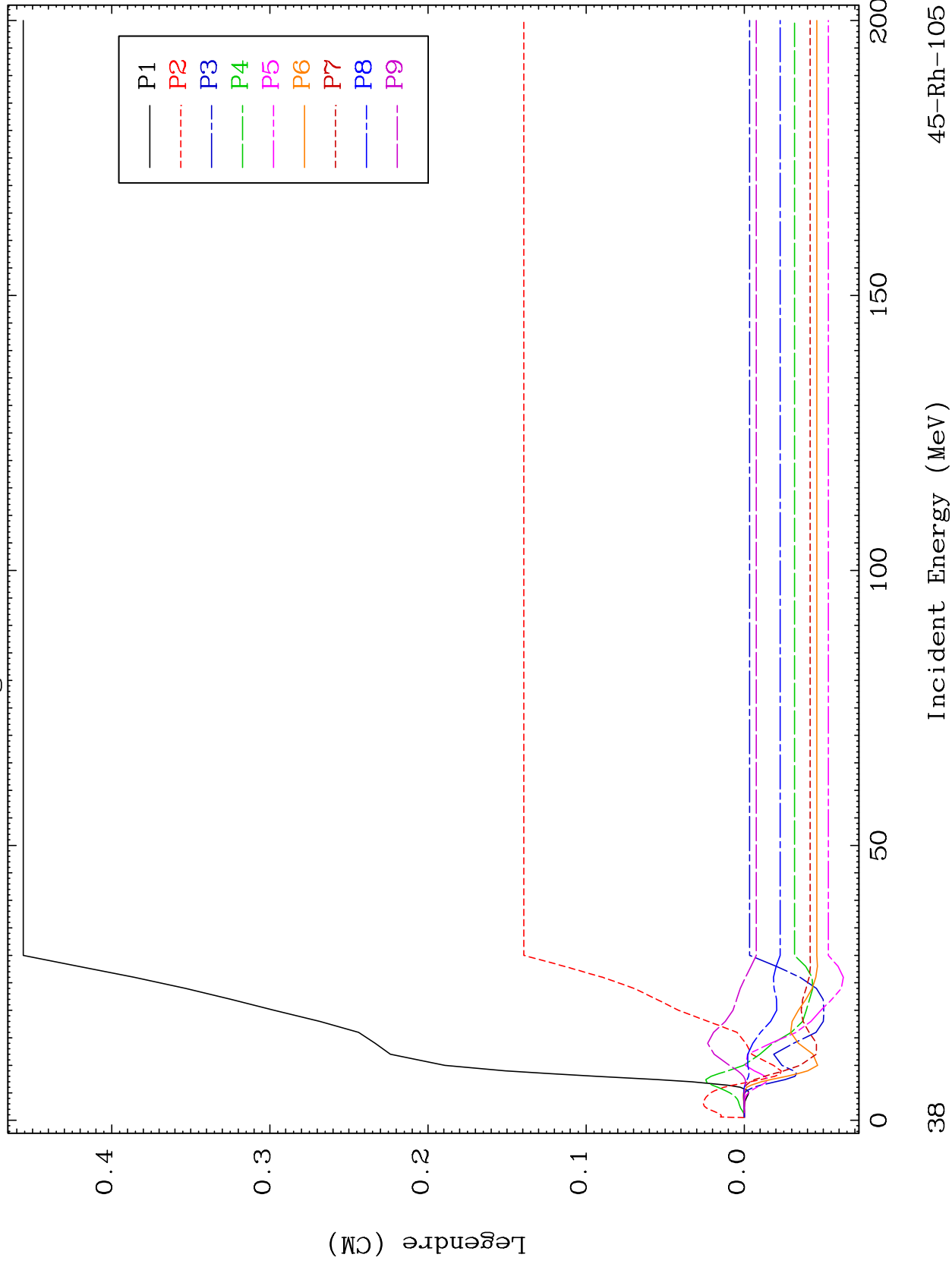




MAT 4531

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

45-Rh-105



38

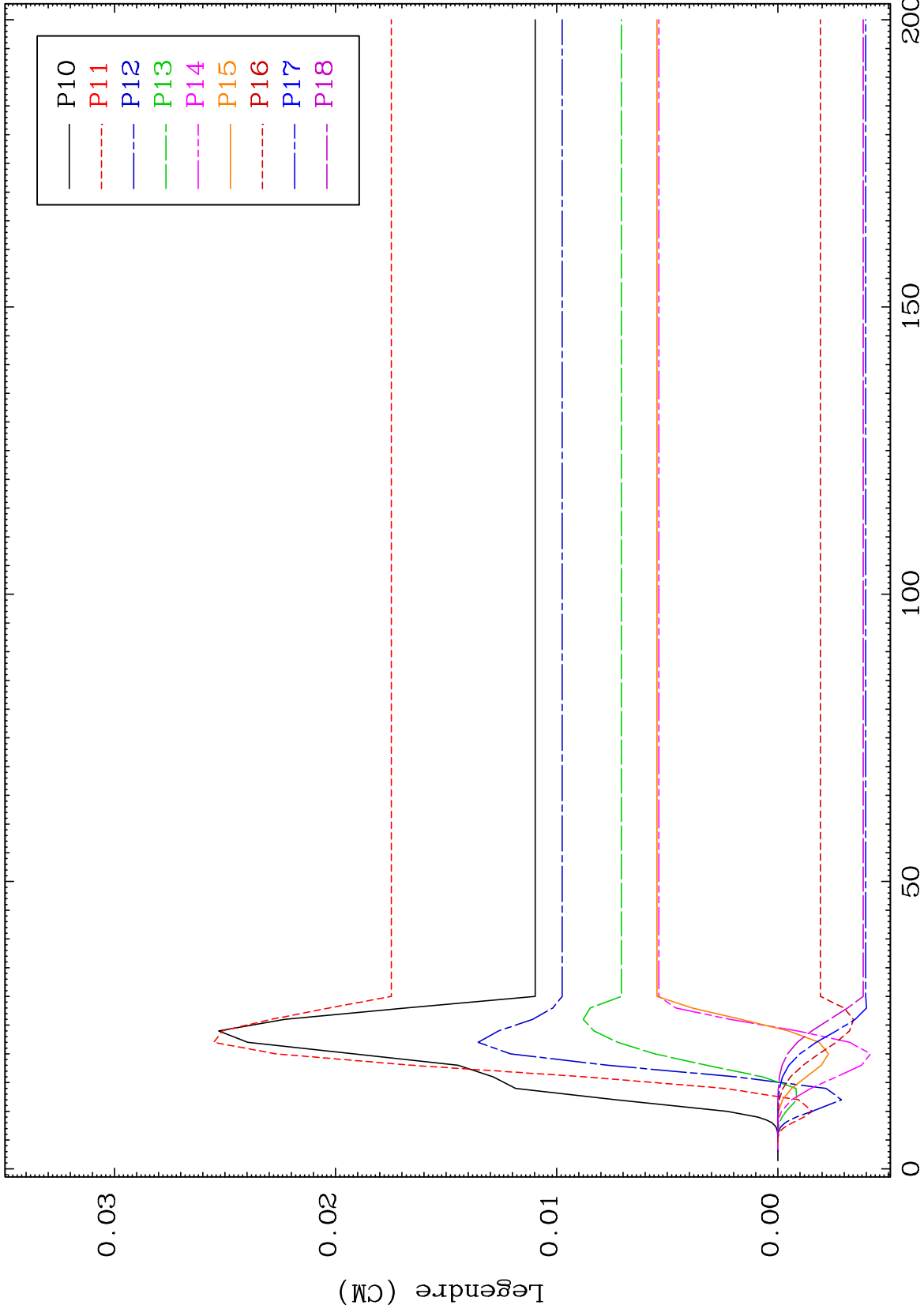
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

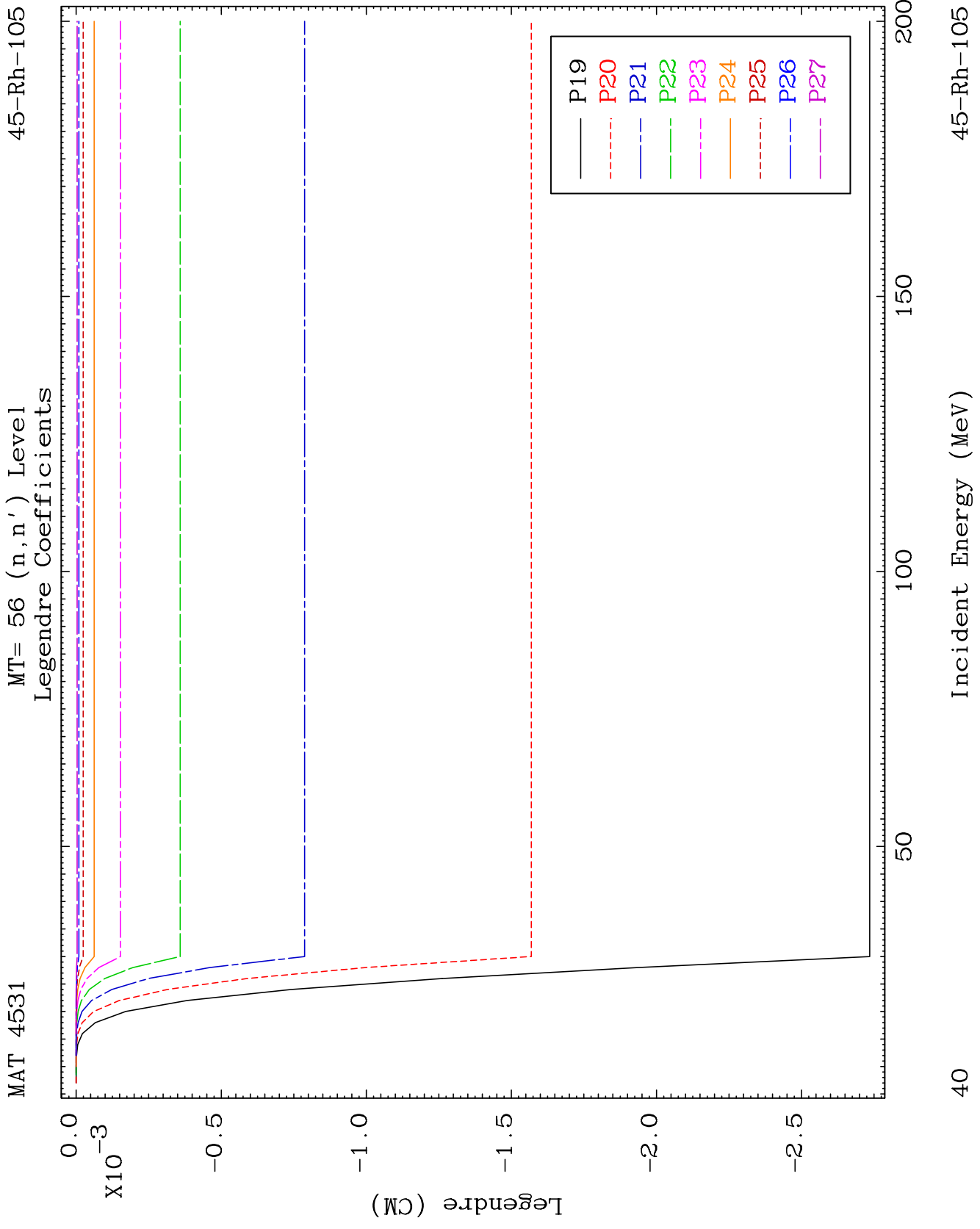
45-Rh-105

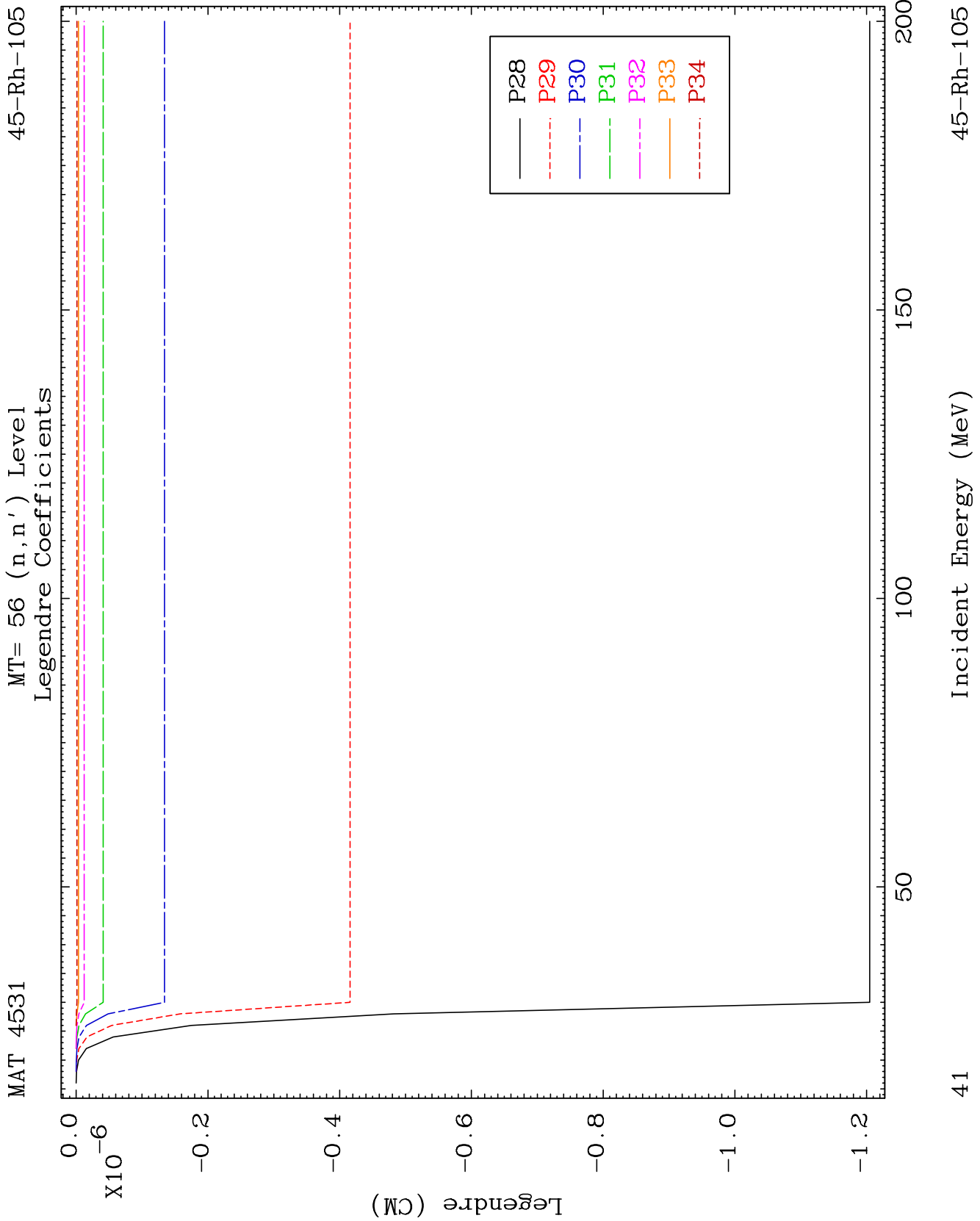


39

Incident Energy (MeV)

45-Rh-105

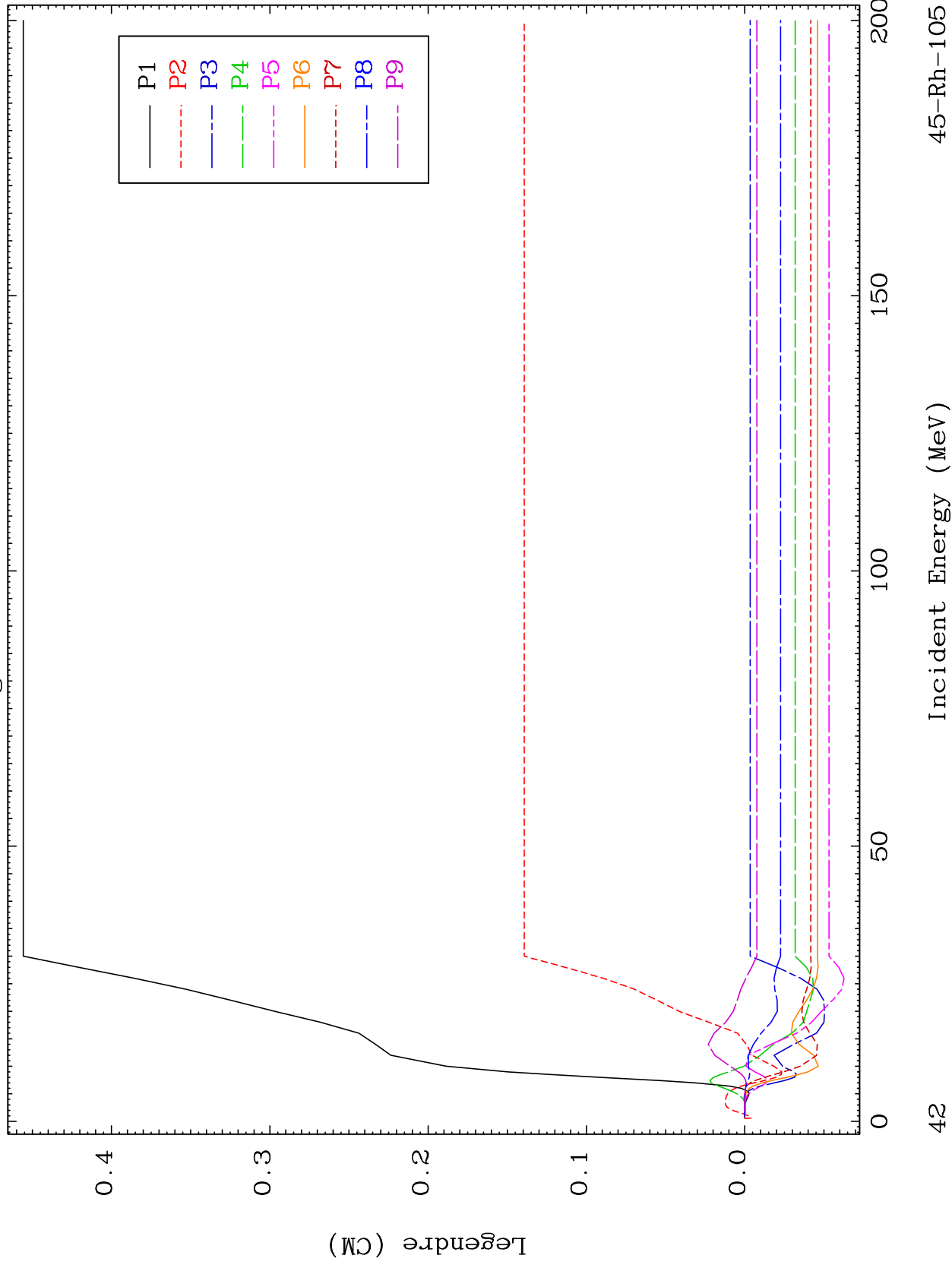




MAT 4531

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

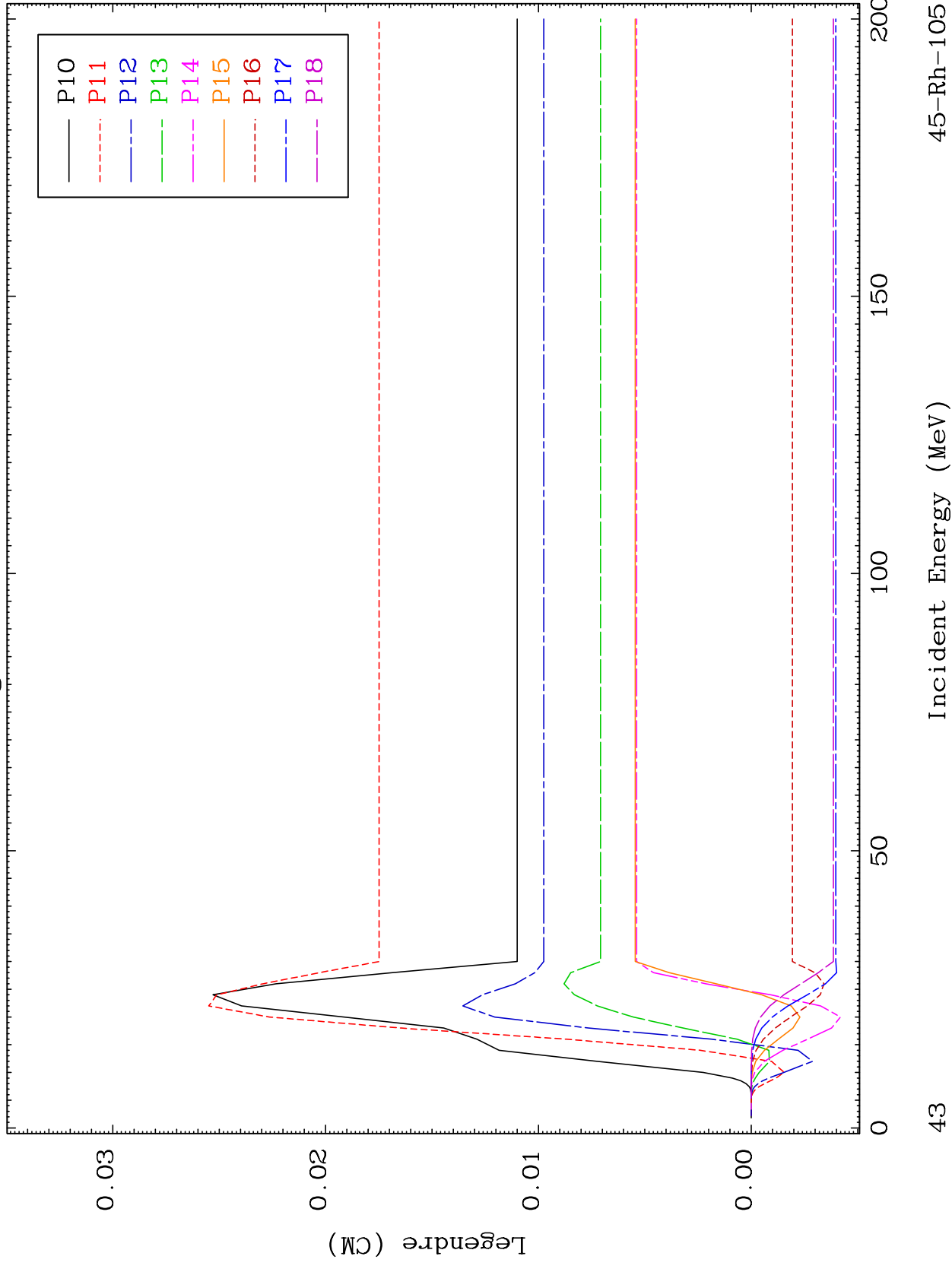
45-Rh-105



MAT 4531

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

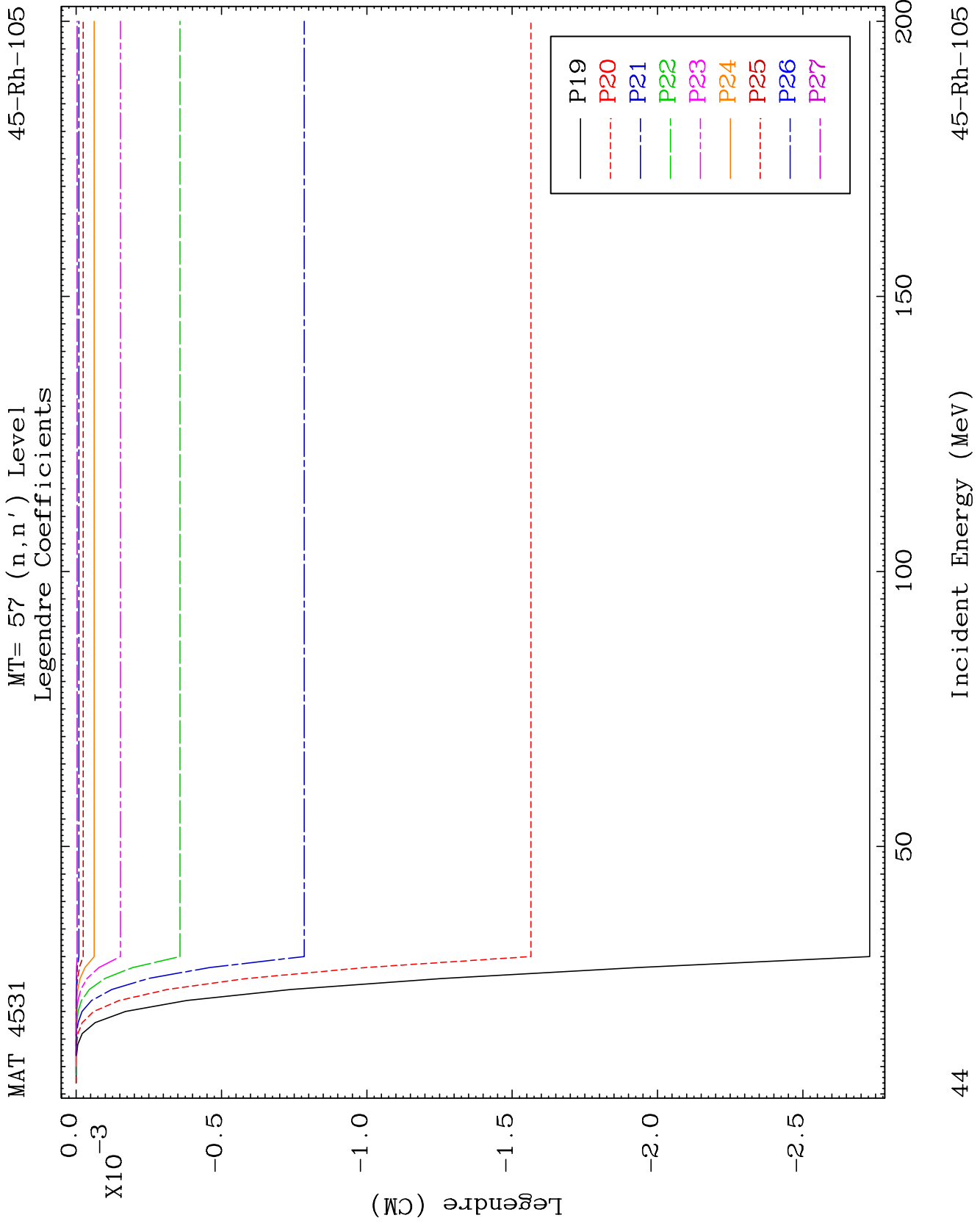
45-Rh-105

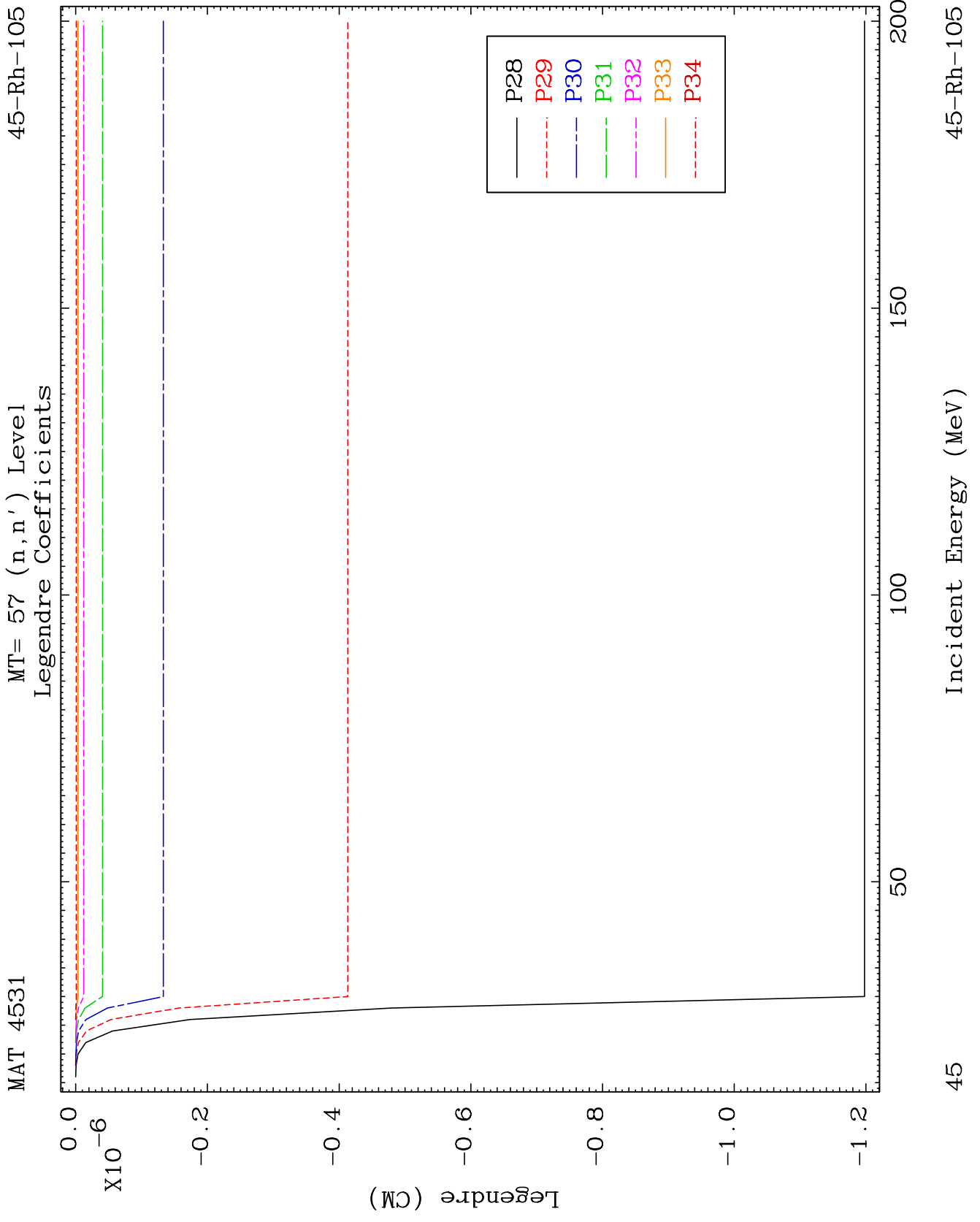


45-Rh-105

Incident Energy (MeV)

43

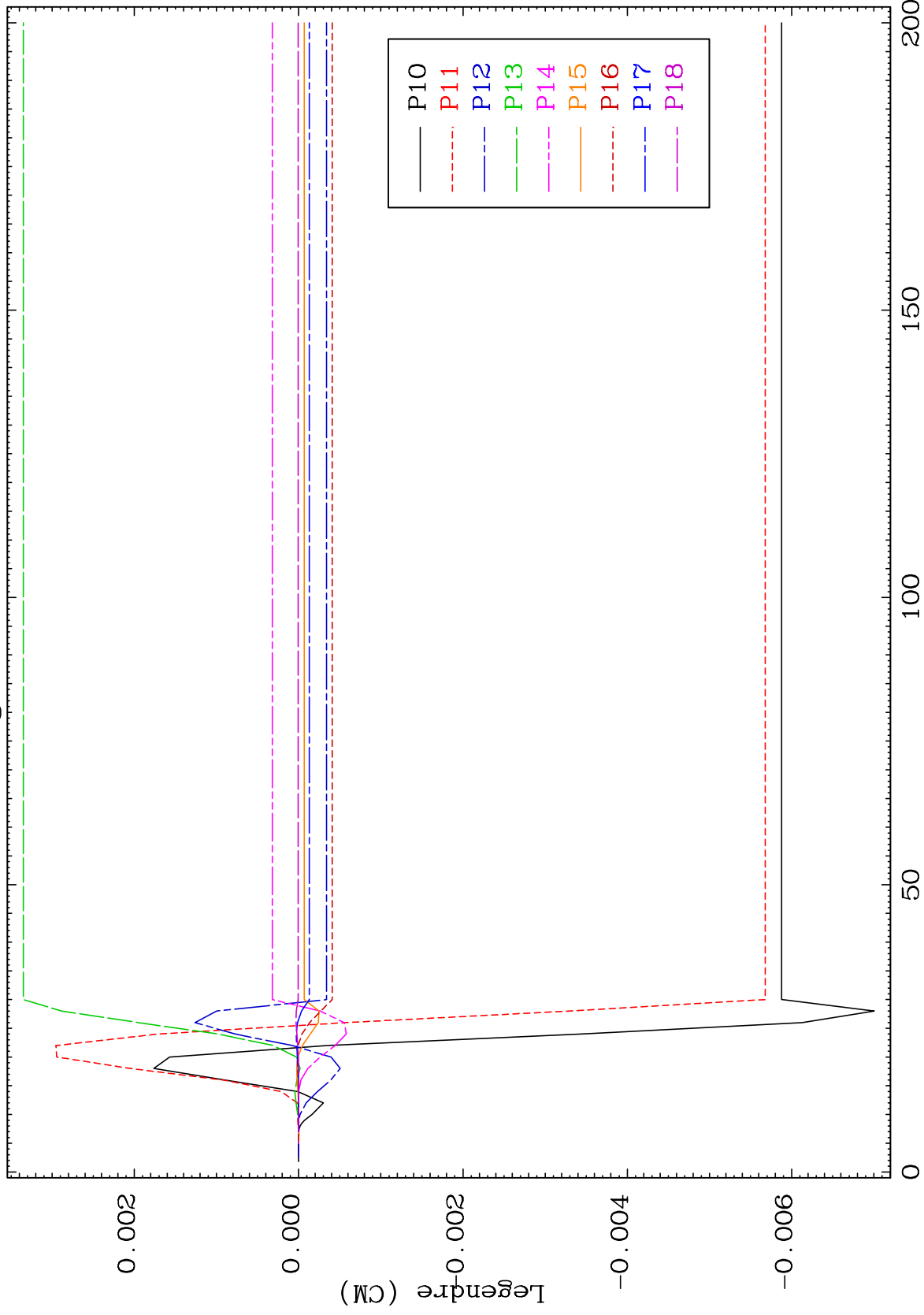




MAT 4531

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

45-Rh-105



47

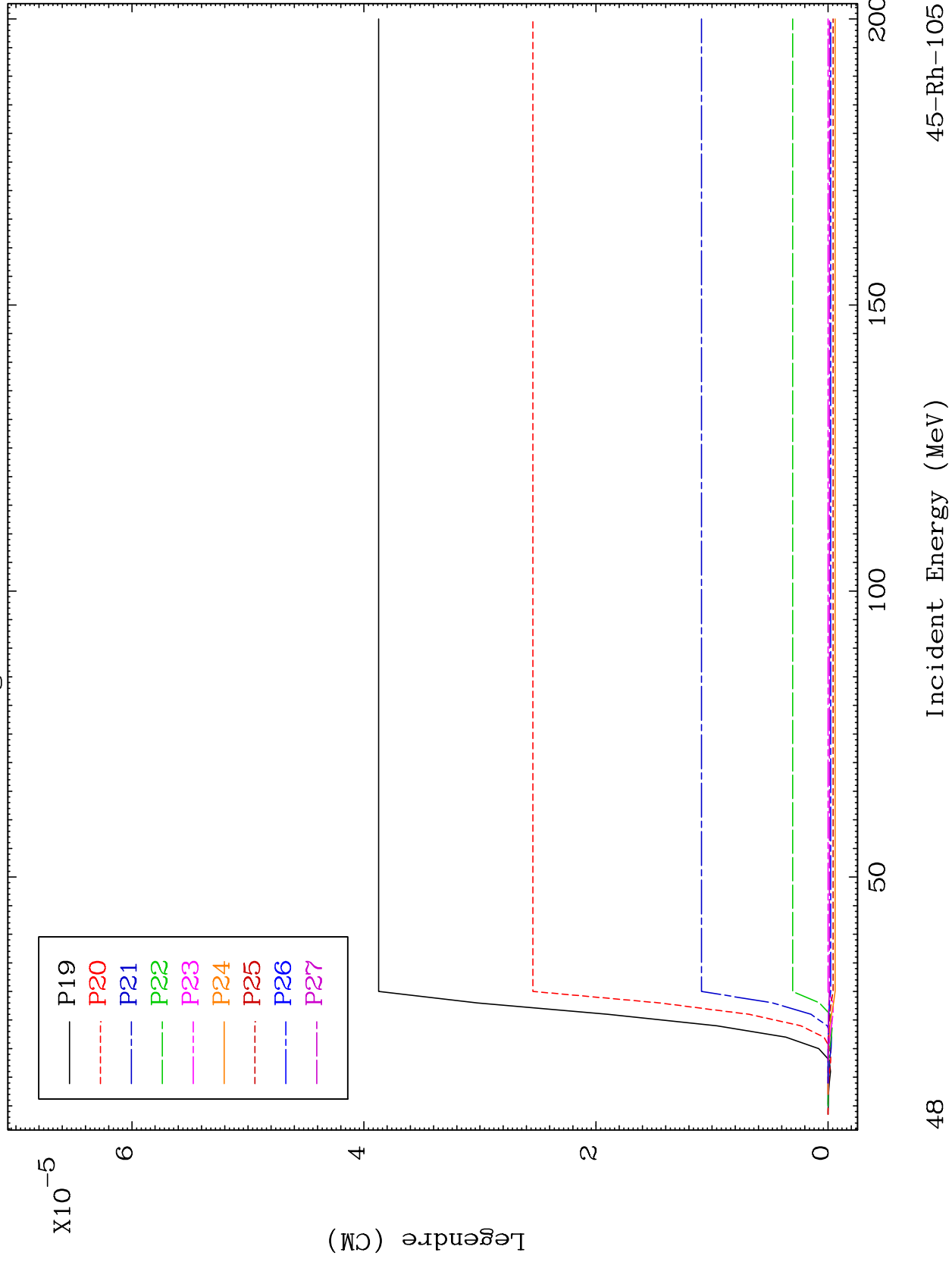
Incident Energy (MeV)

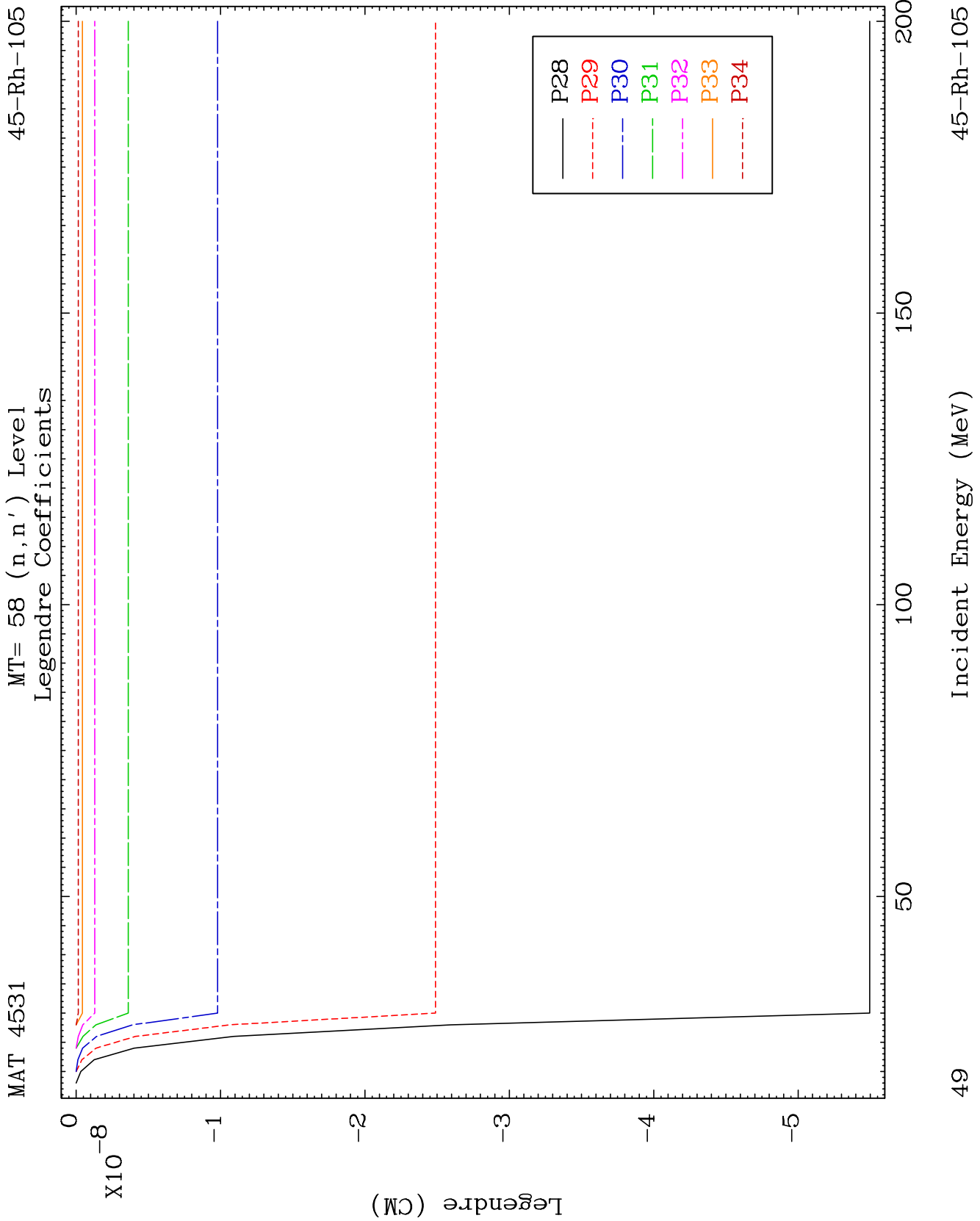
45-Rh-105

MAT 4531

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

45-Rh-105

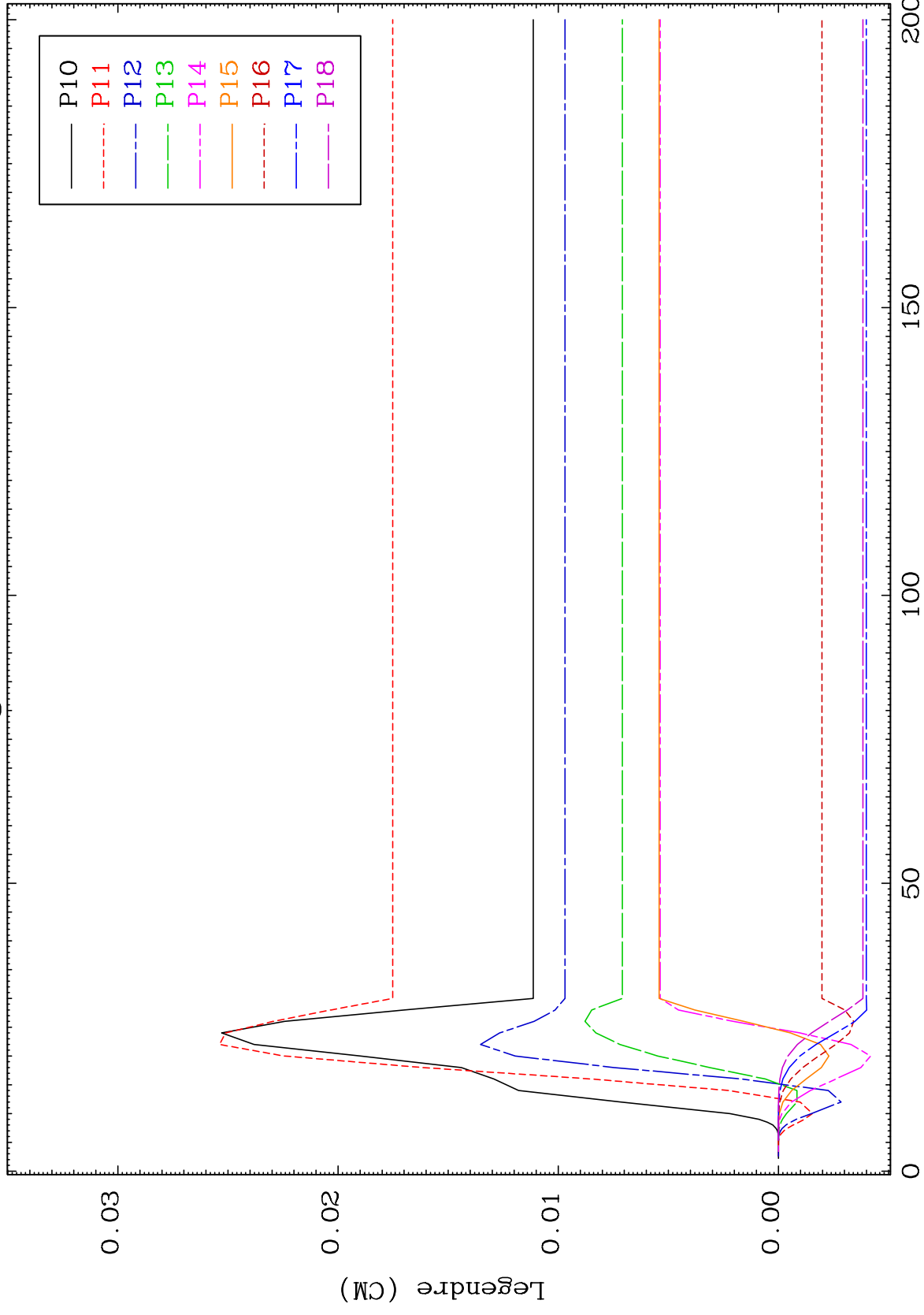




MAT 4531

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

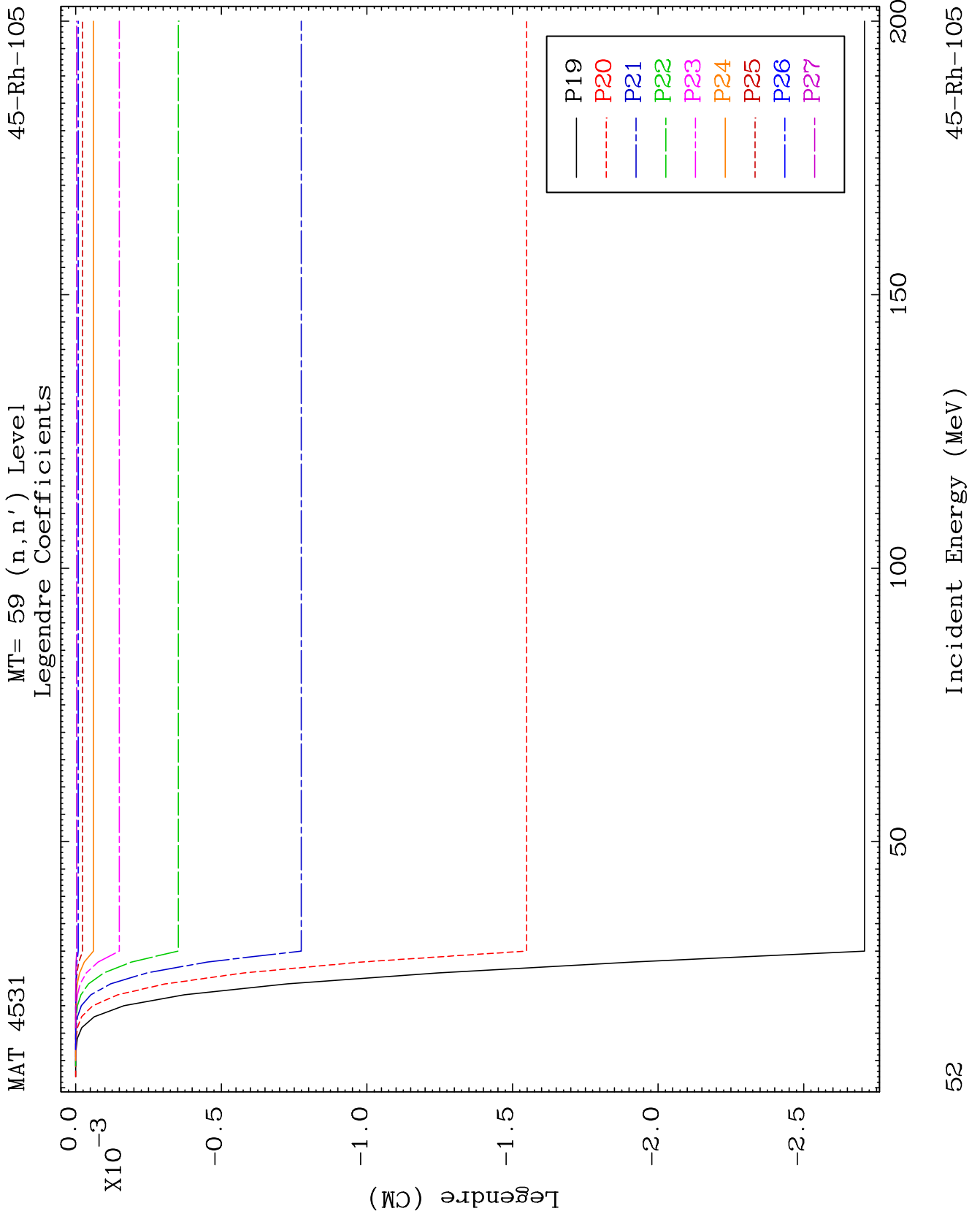
45-Rh-105

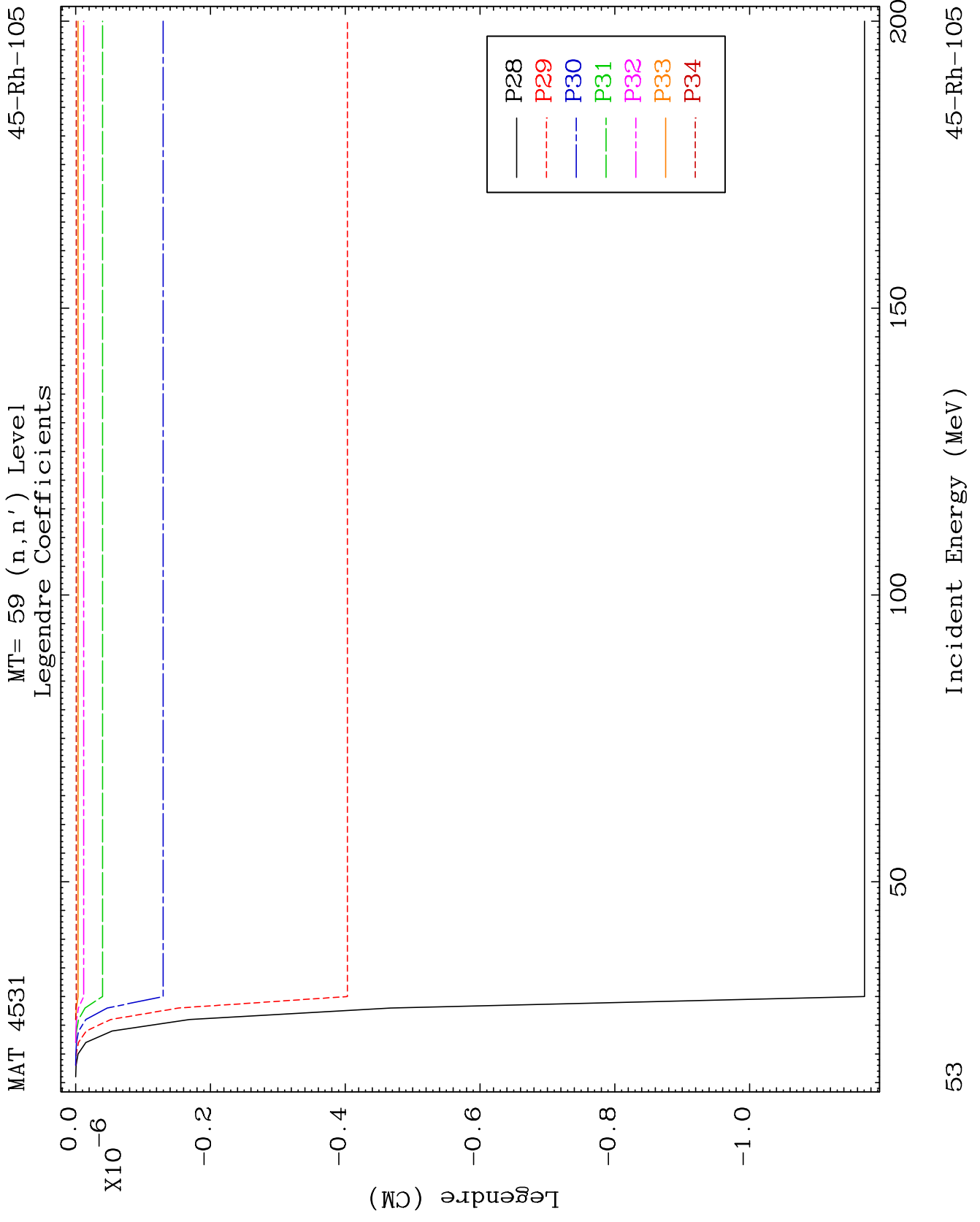


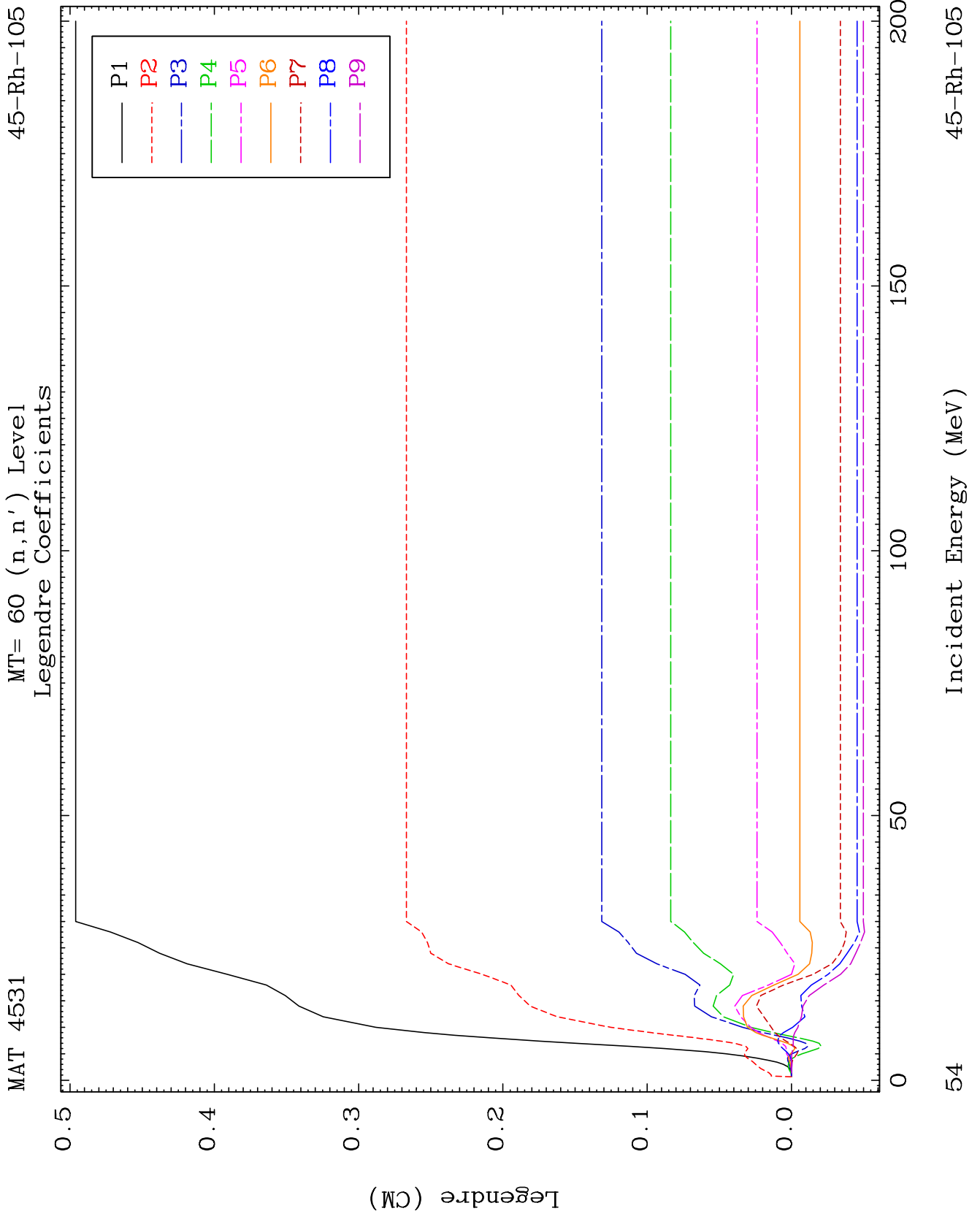
51

Incident Energy (MeV)

45-Rh-105



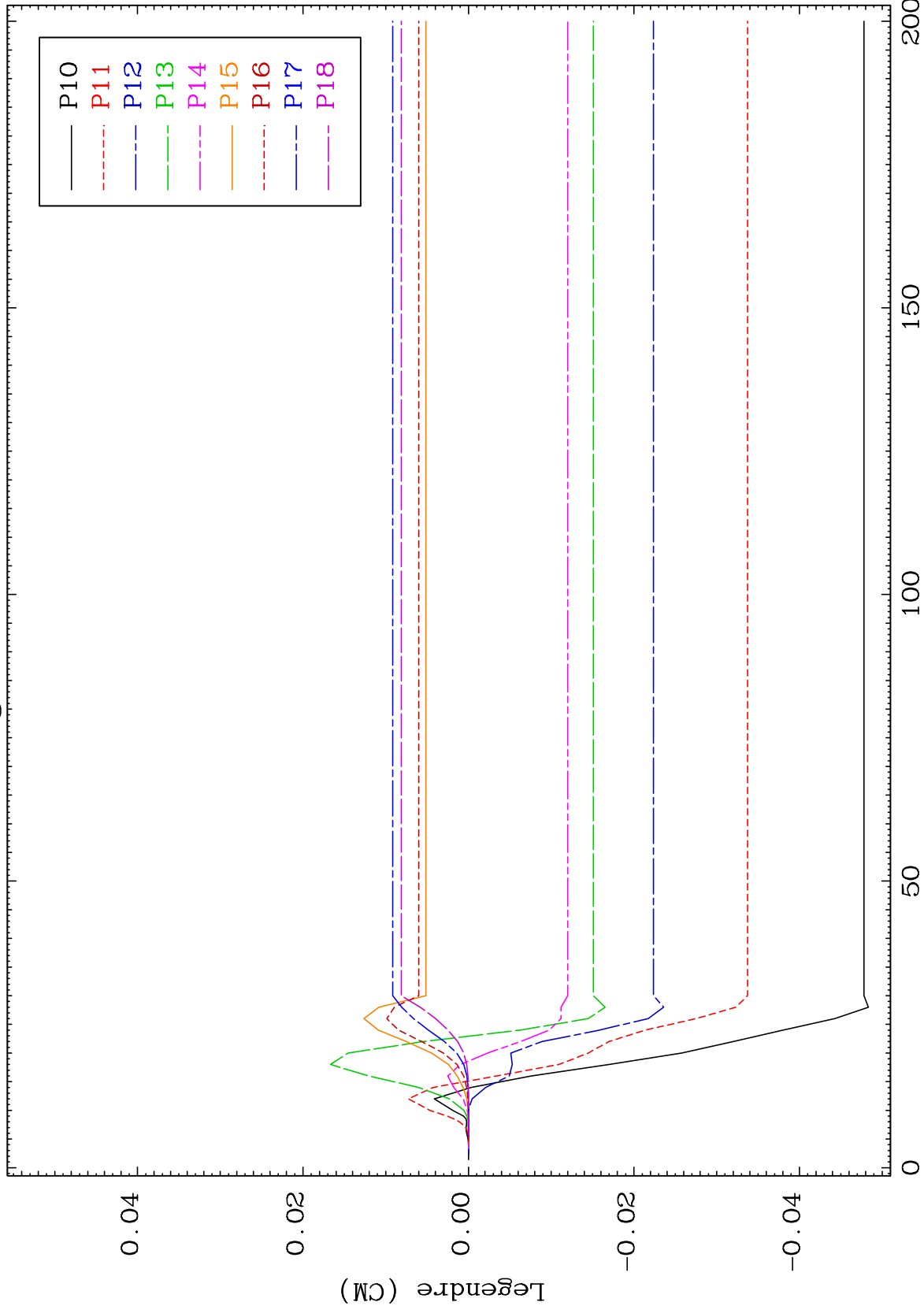




MAT 4531

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

45-Rh-105



55

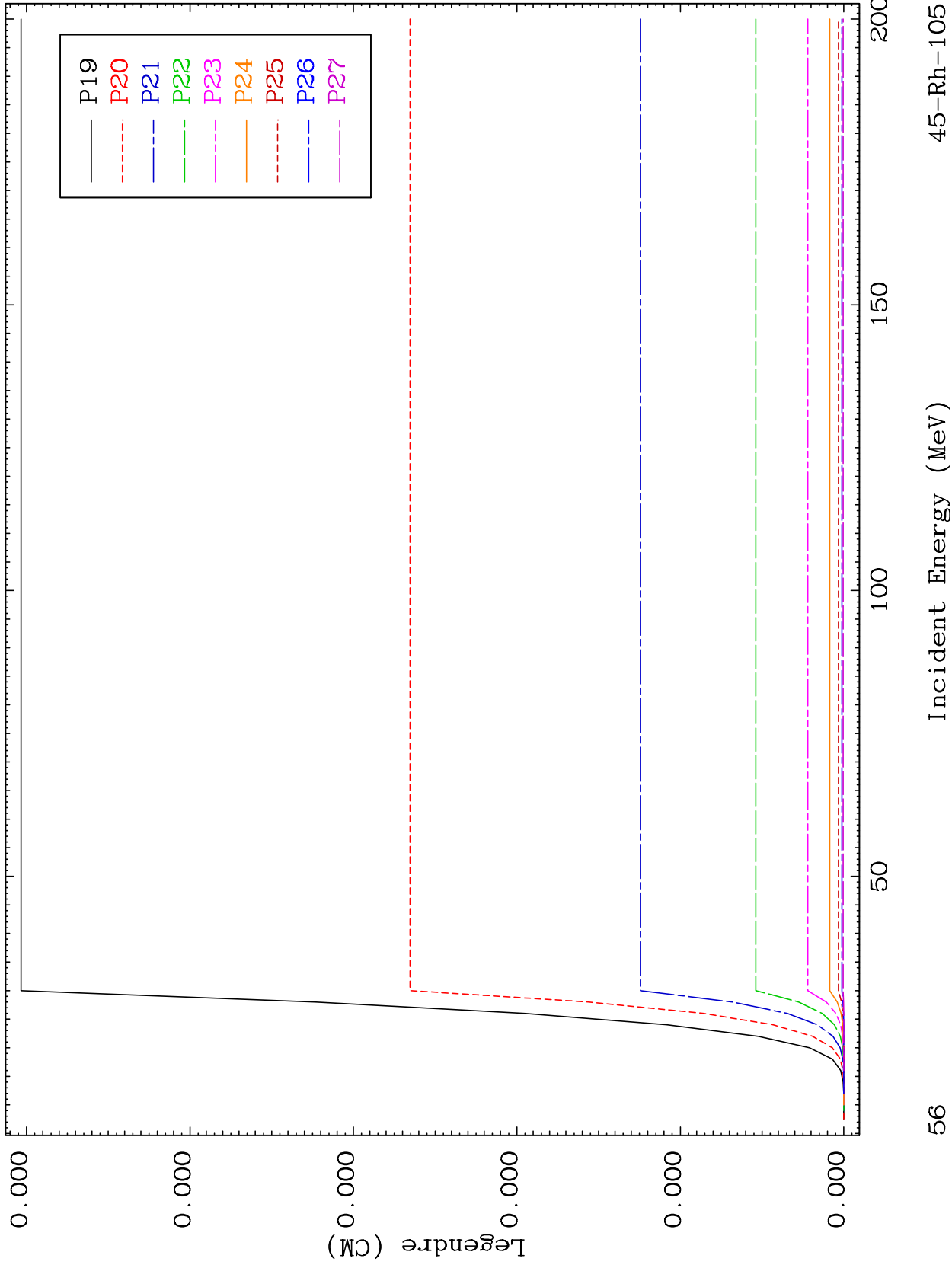
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



56

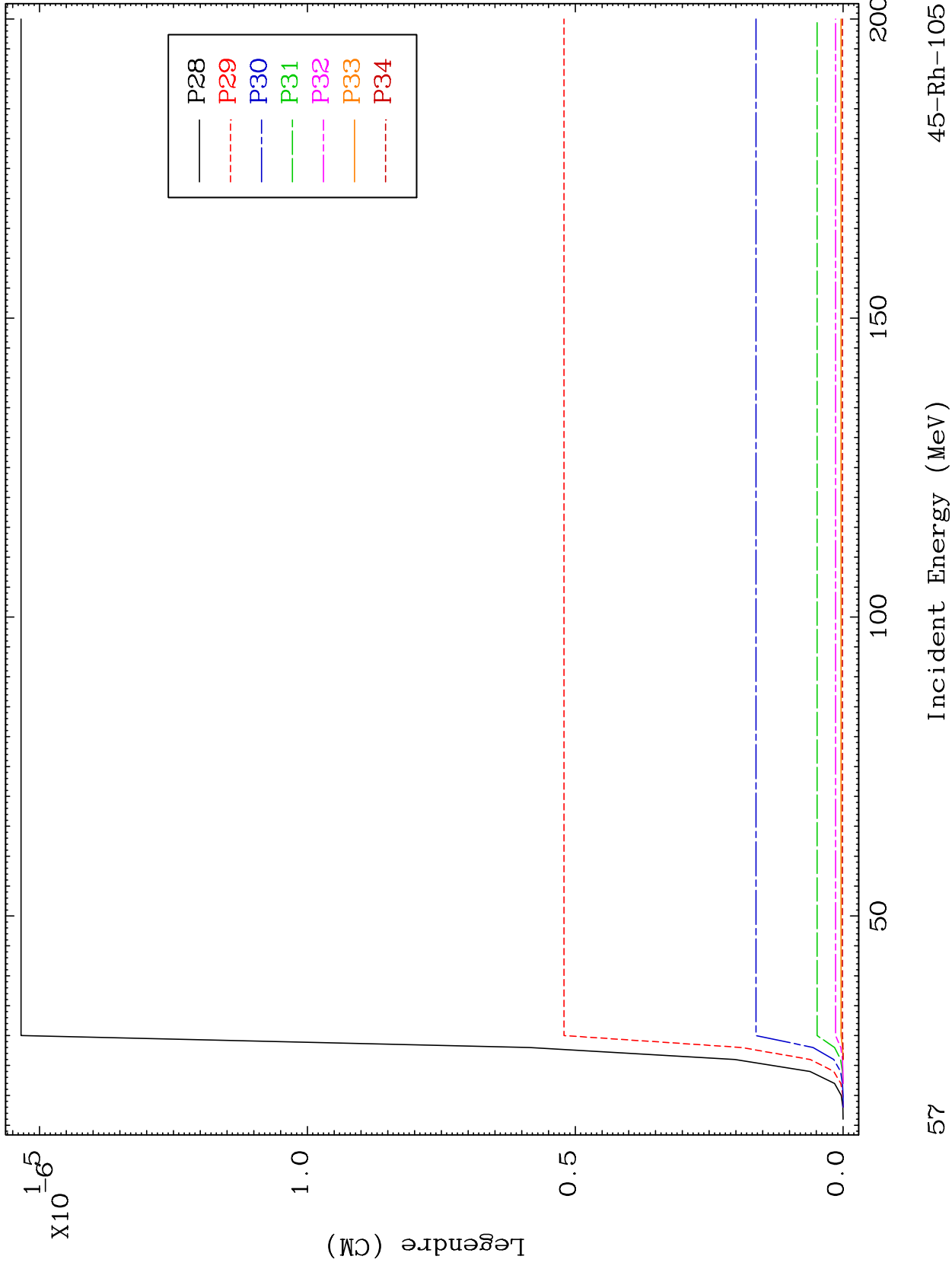
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



57

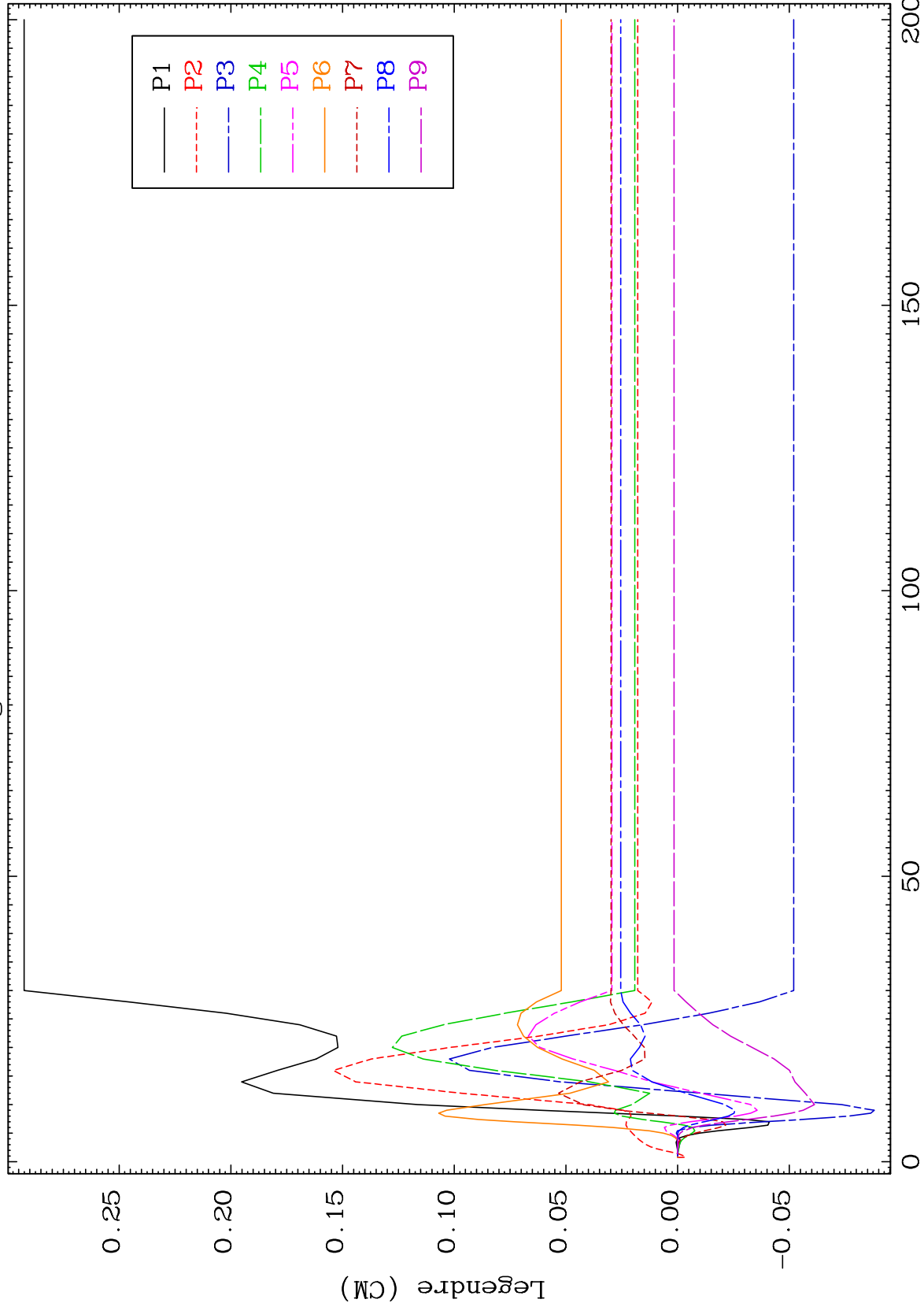
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



58

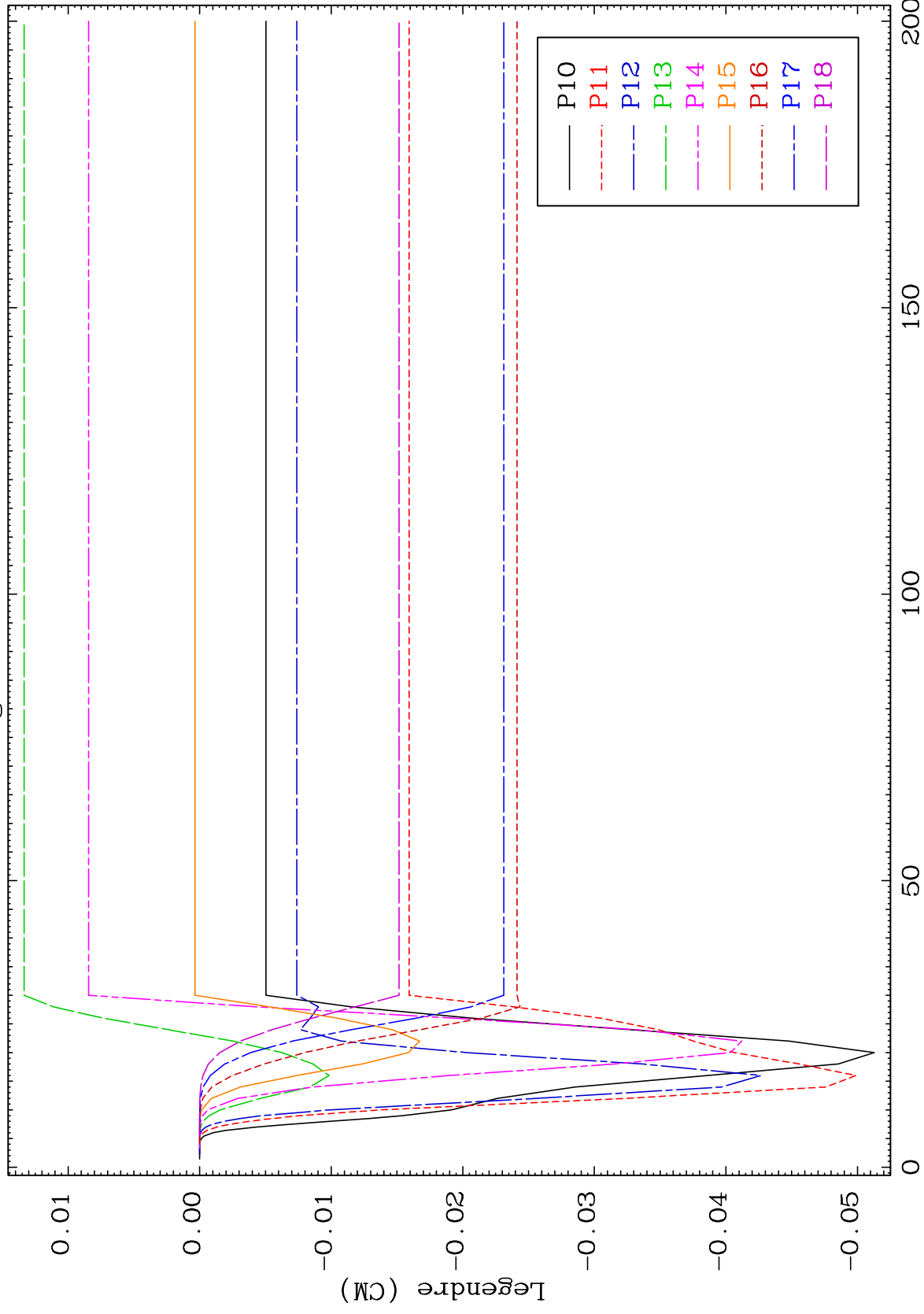
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

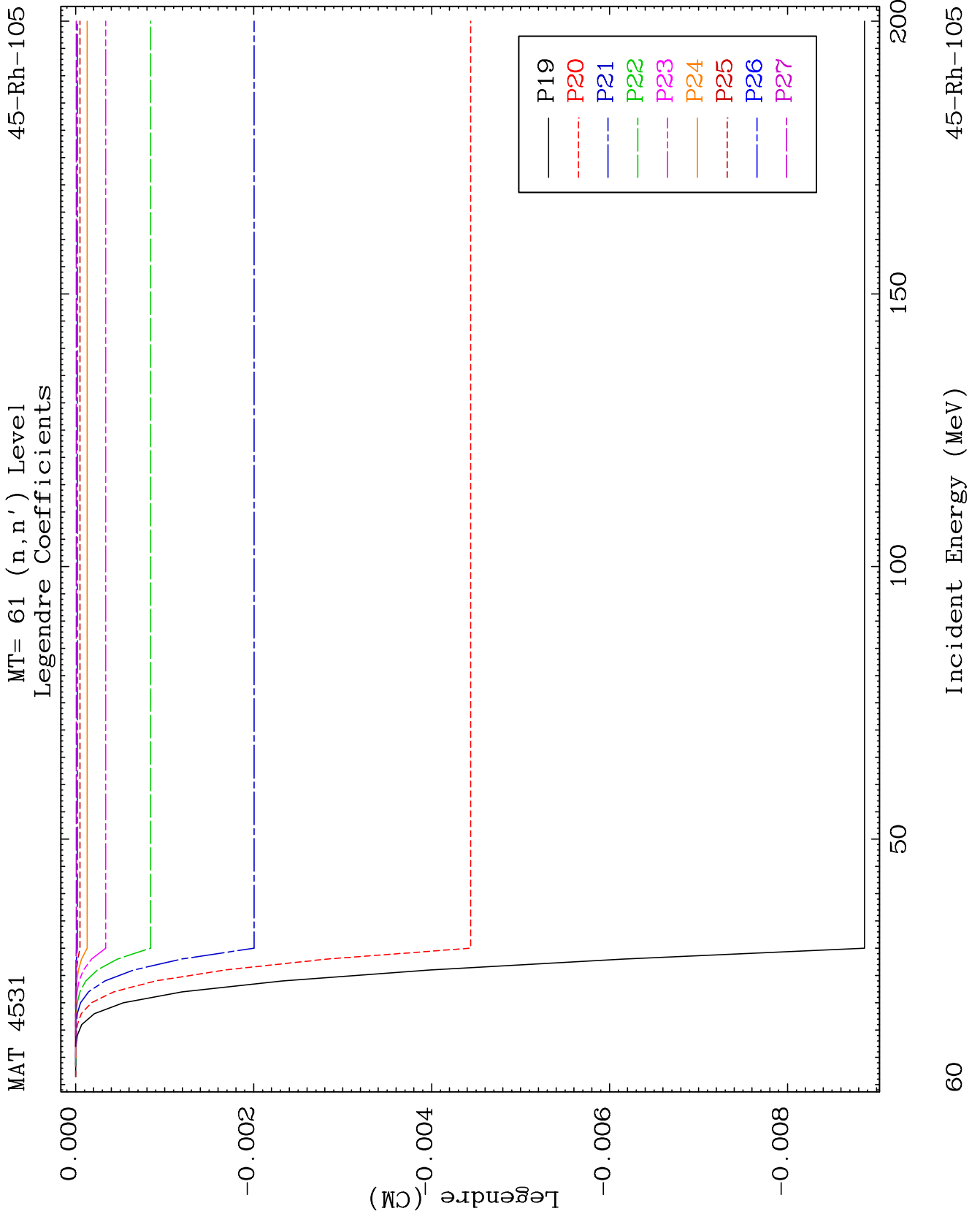
45-Rh-105

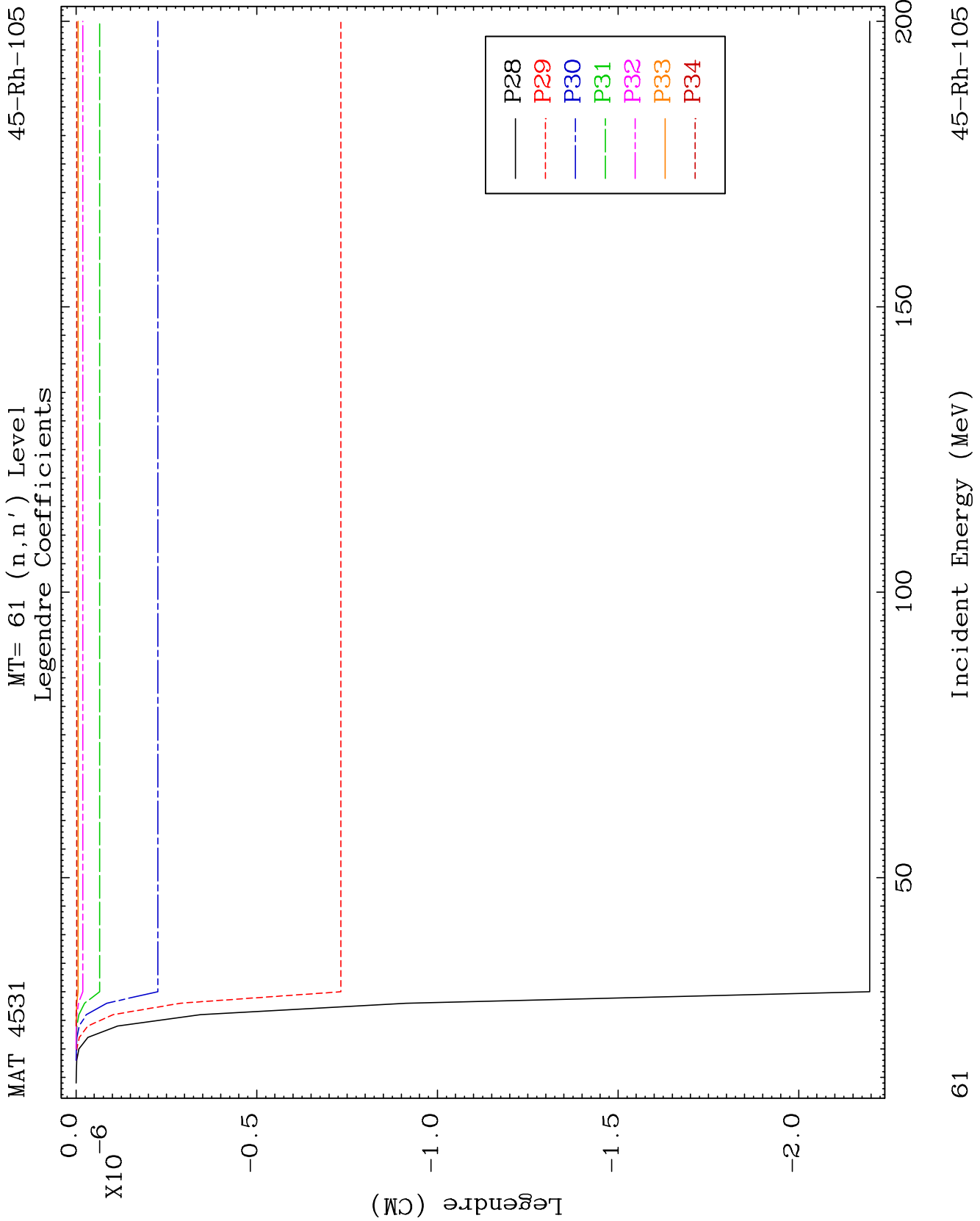


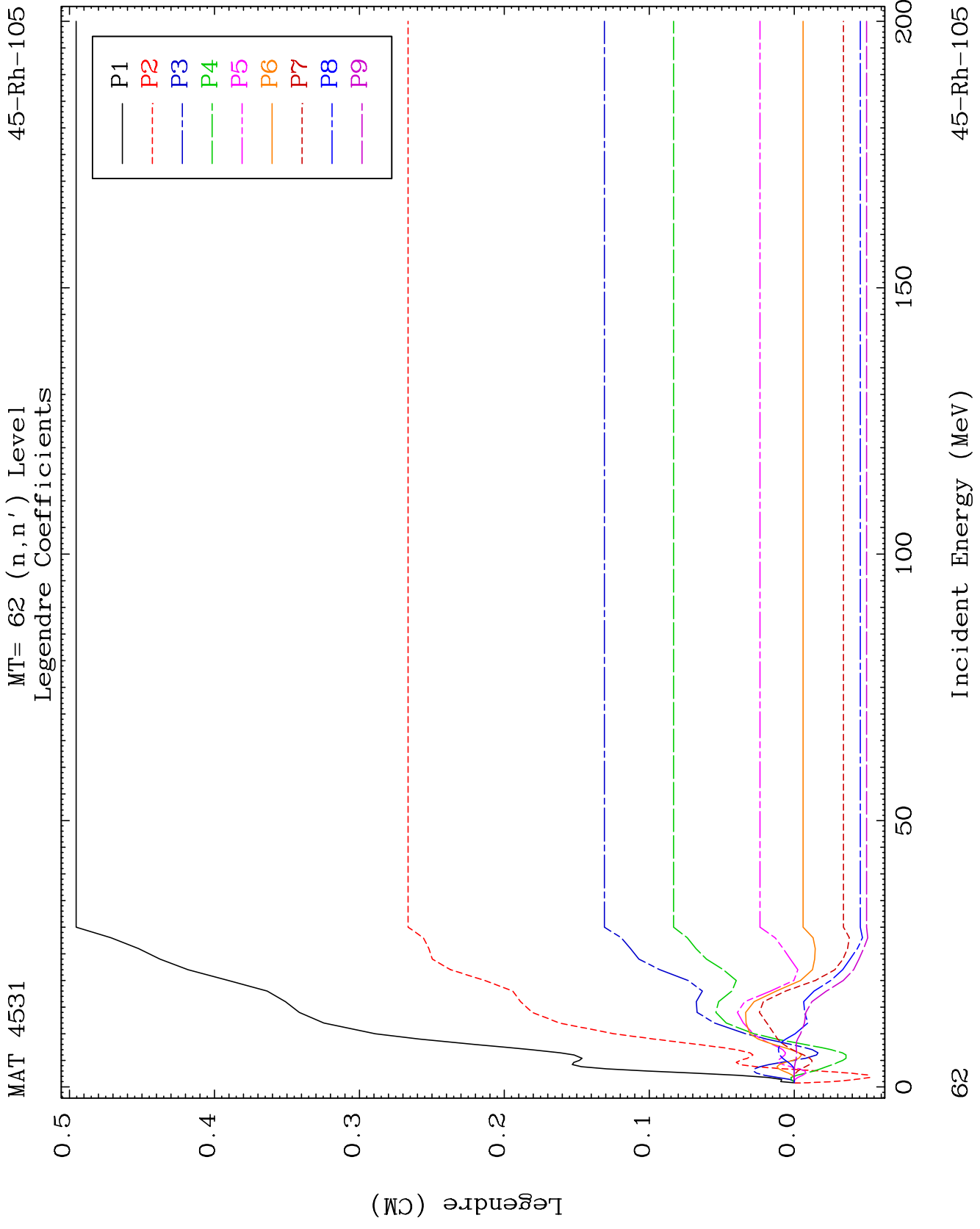
59

Incident Energy (MeV)

45-Rh-105



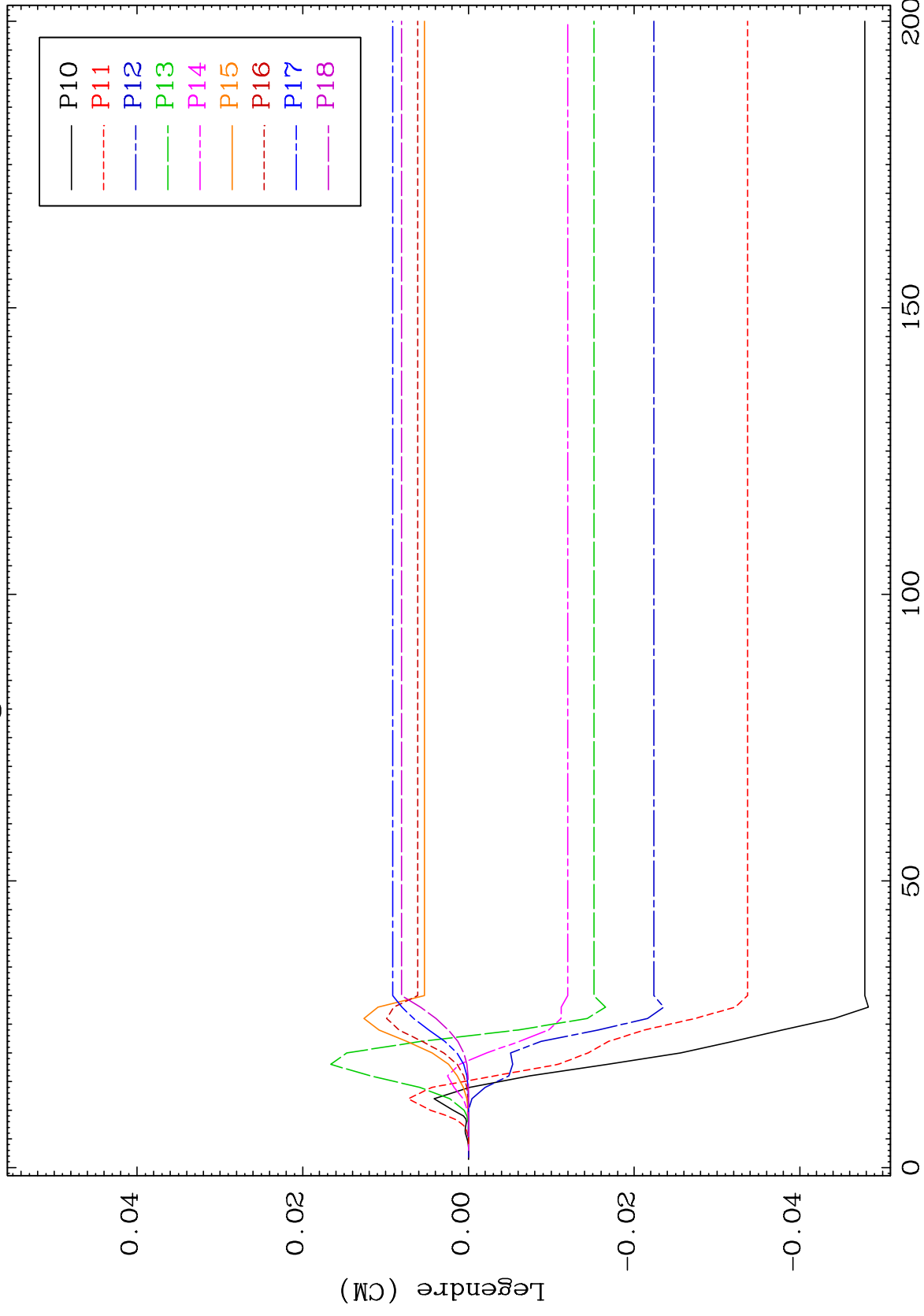




MAT 4531

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

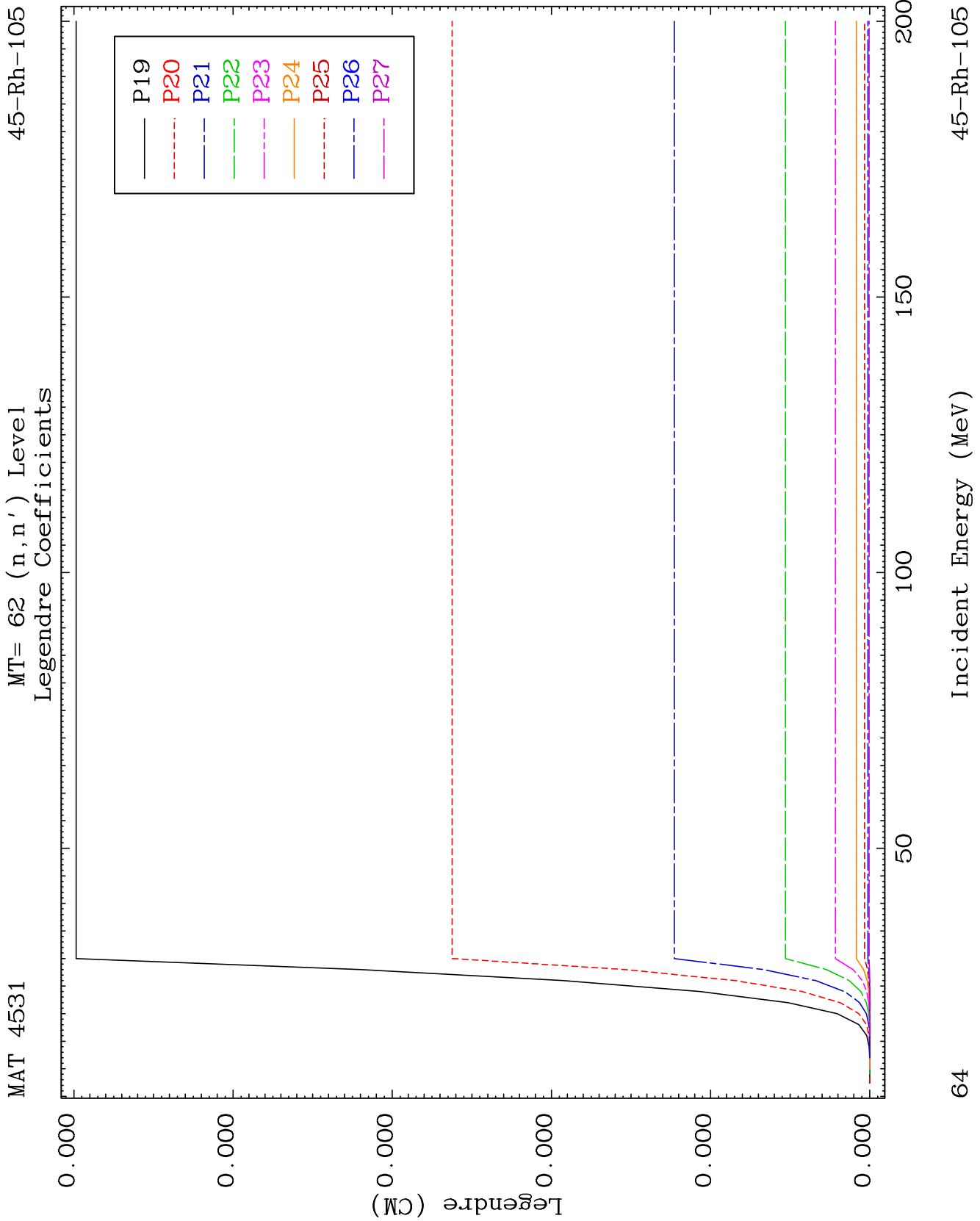
45-Rh-105



63

Incident Energy (MeV)

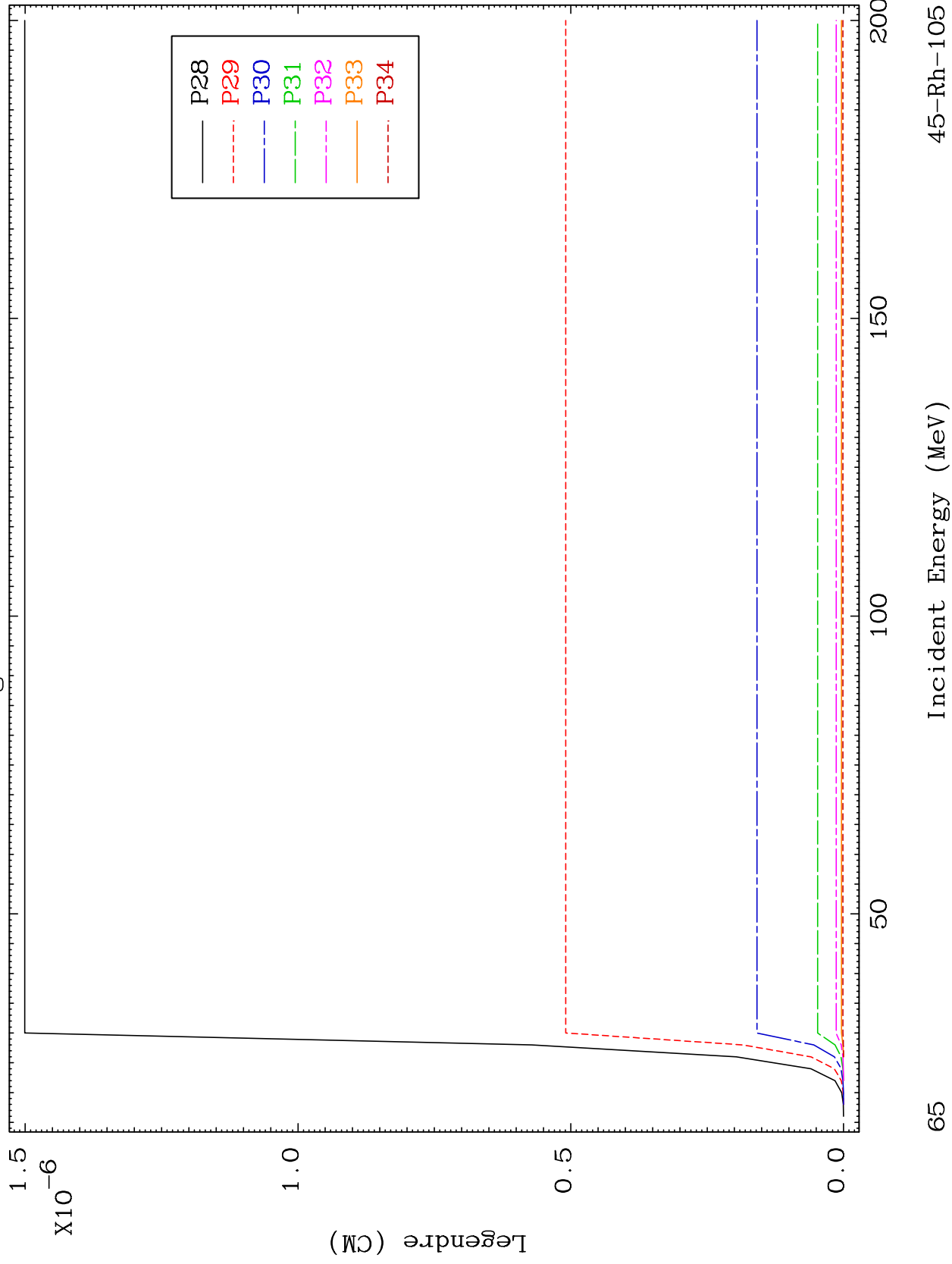
45-Rh-105



MAT 4531

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

45-Rh-105



45-Rh-105

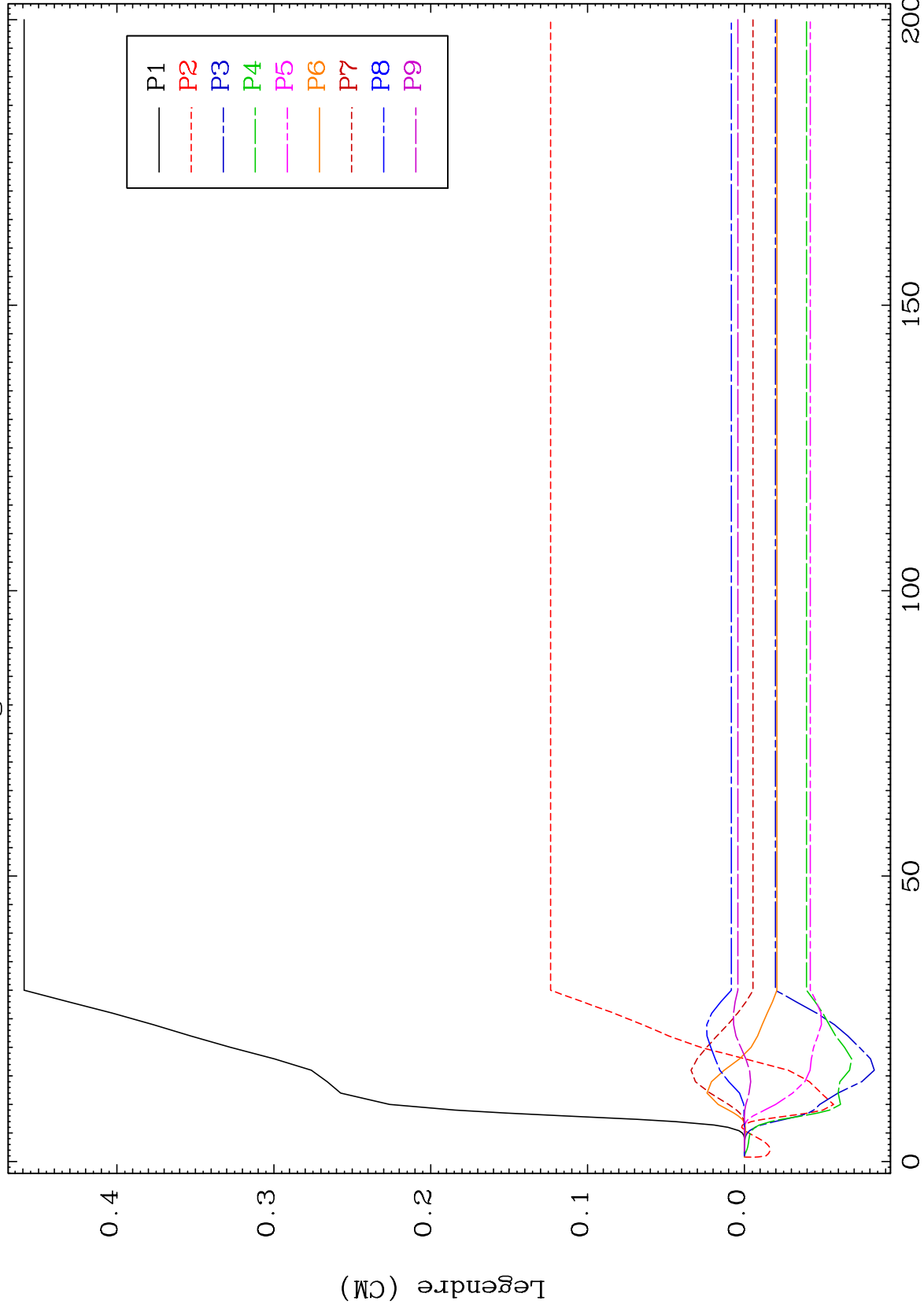
Incident Energy (MeV)

65

MAT 4531

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

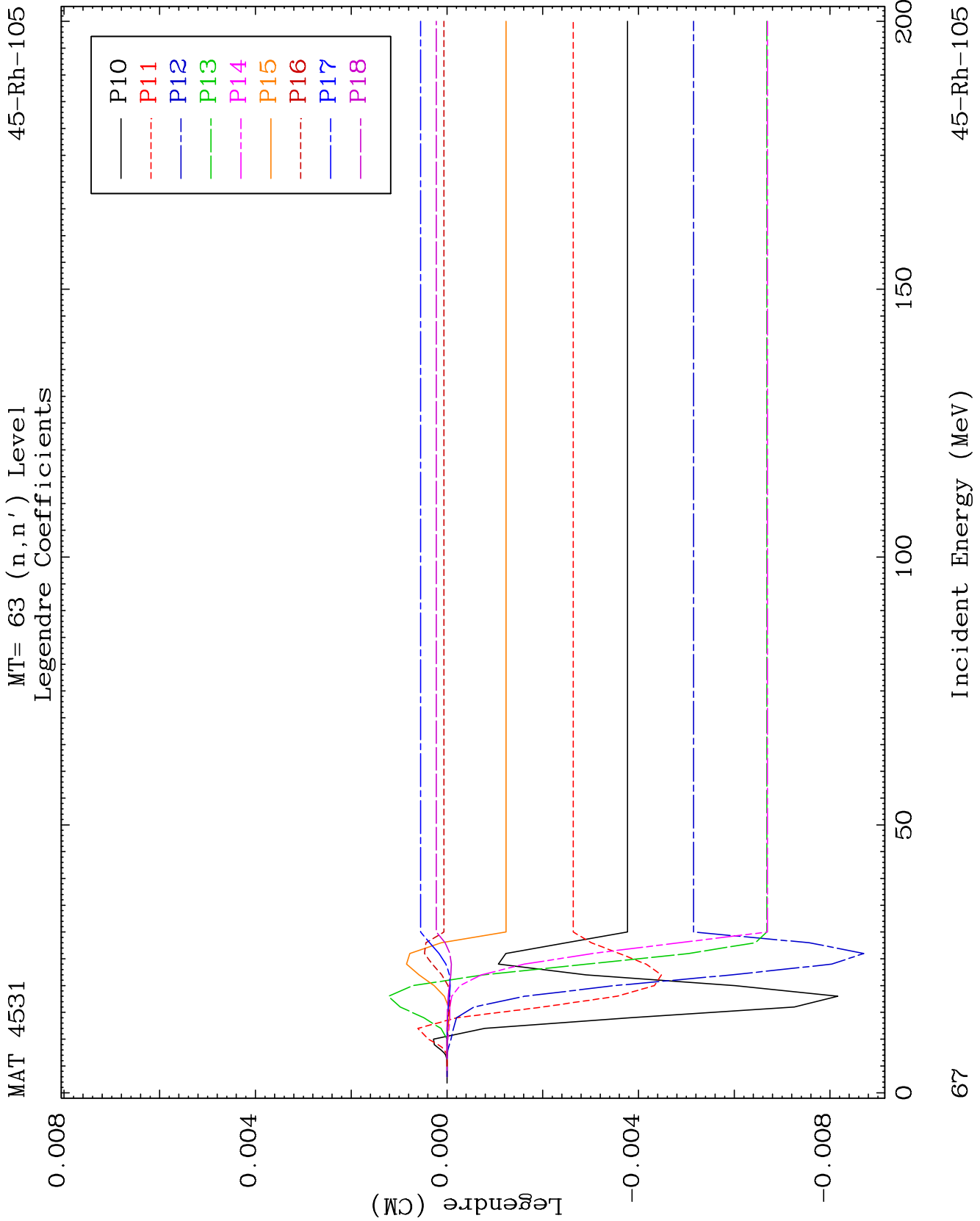
45-Rh-105



66

Incident Energy (MeV)

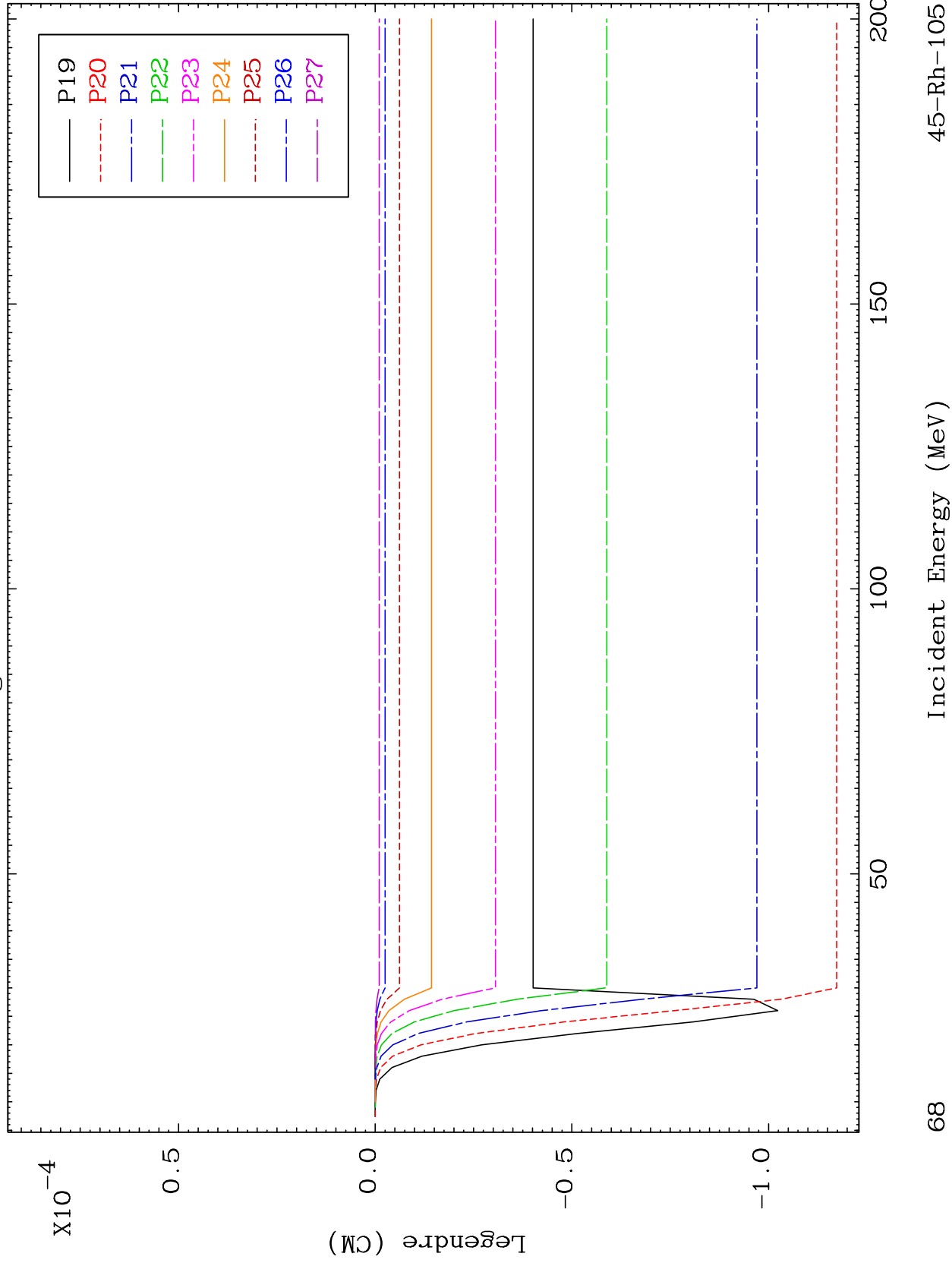
45-Rh-105

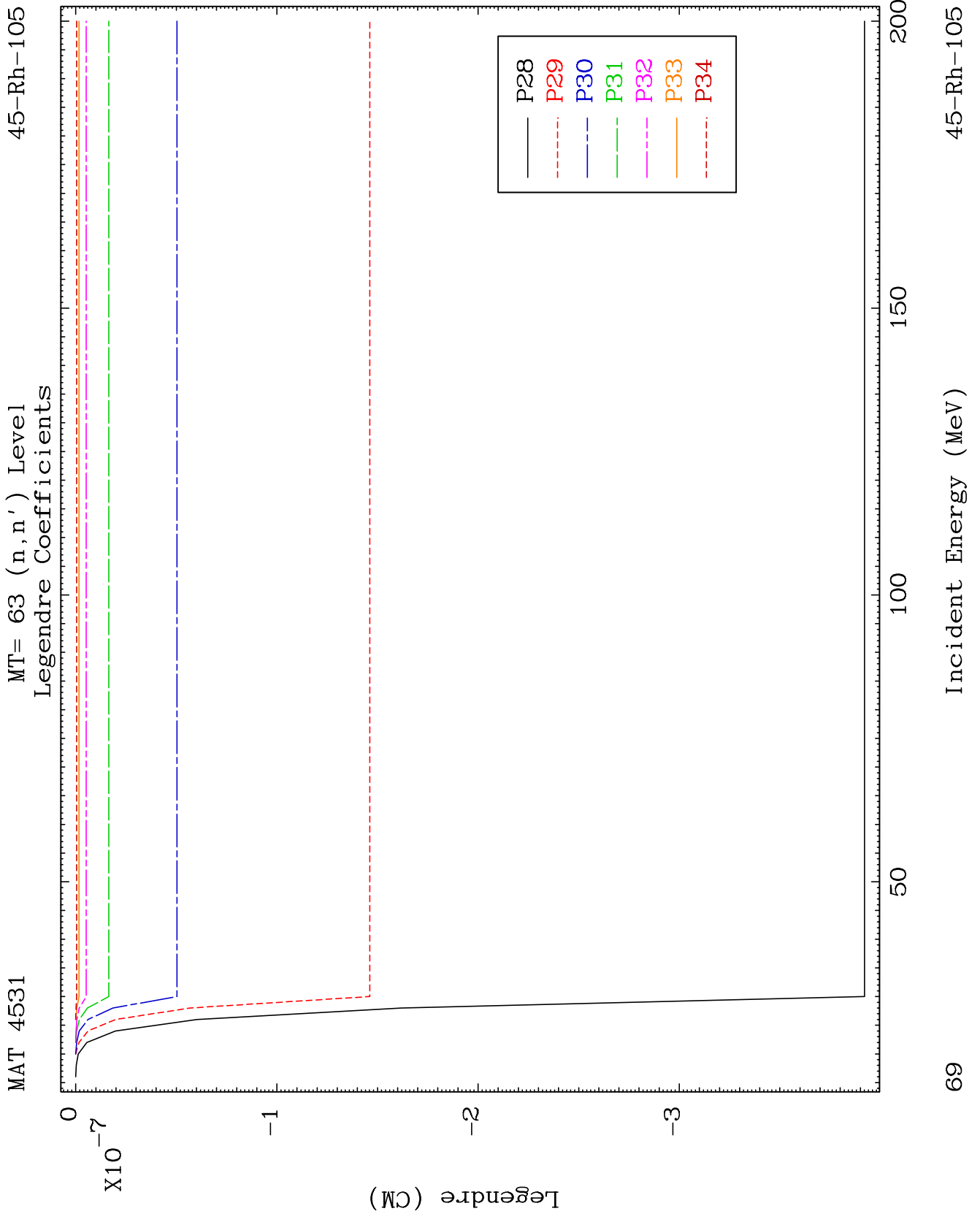


MAT 4531

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

45-Rh-105

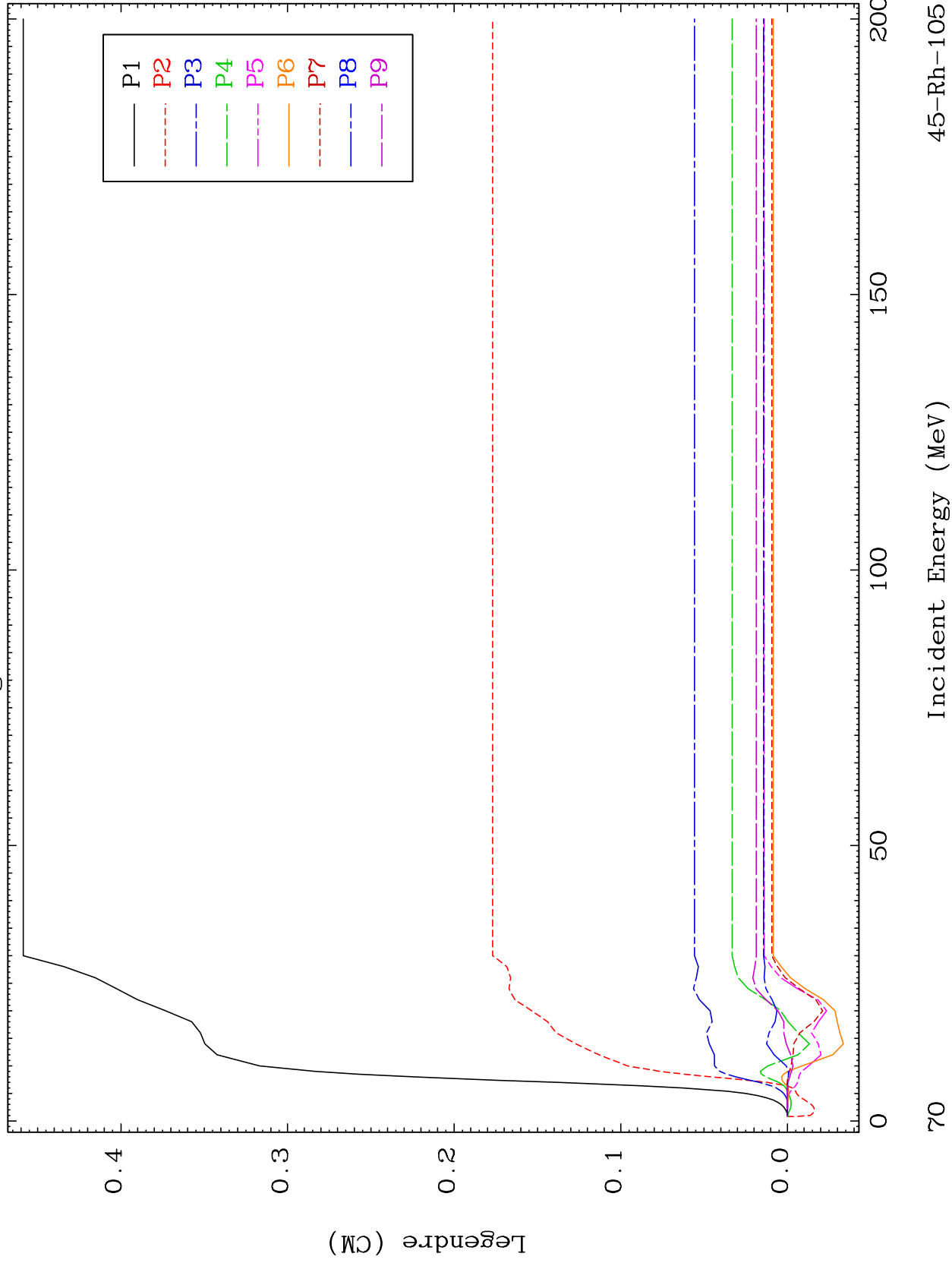




MAT 4531

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

45-Rh-105



45-Rh-105

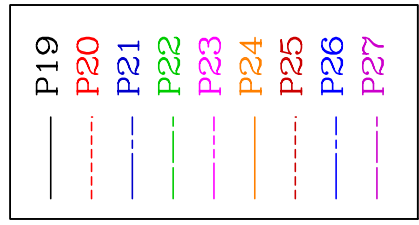
Incident Energy (MeV)

70

MAT 4531

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

45-Rh-105



$\times 10^{-3}$
1.5

Legendre (CM)

1.0

0.5

0.0

50

100

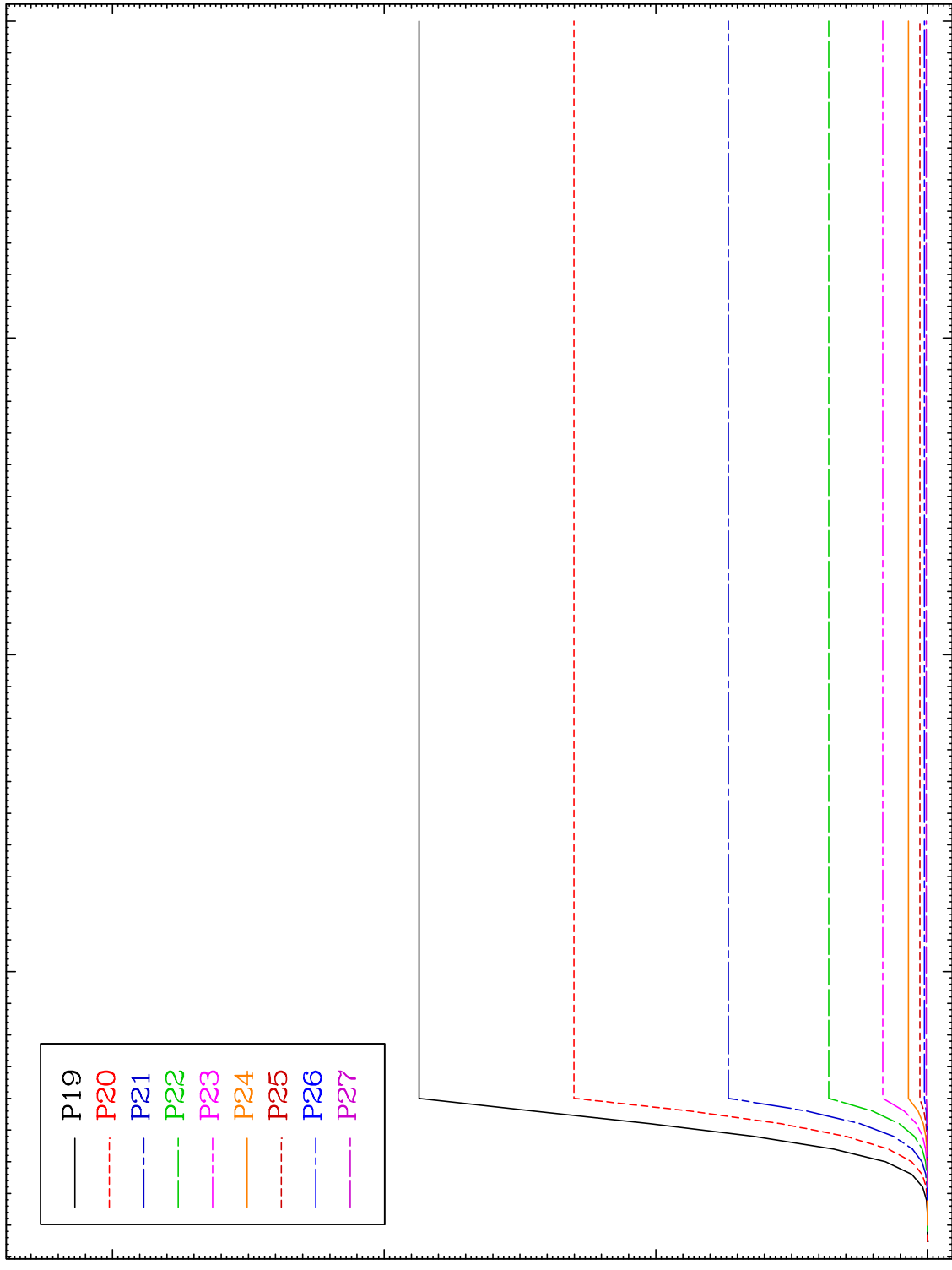
150

200

72

Incident Energy (MeV)

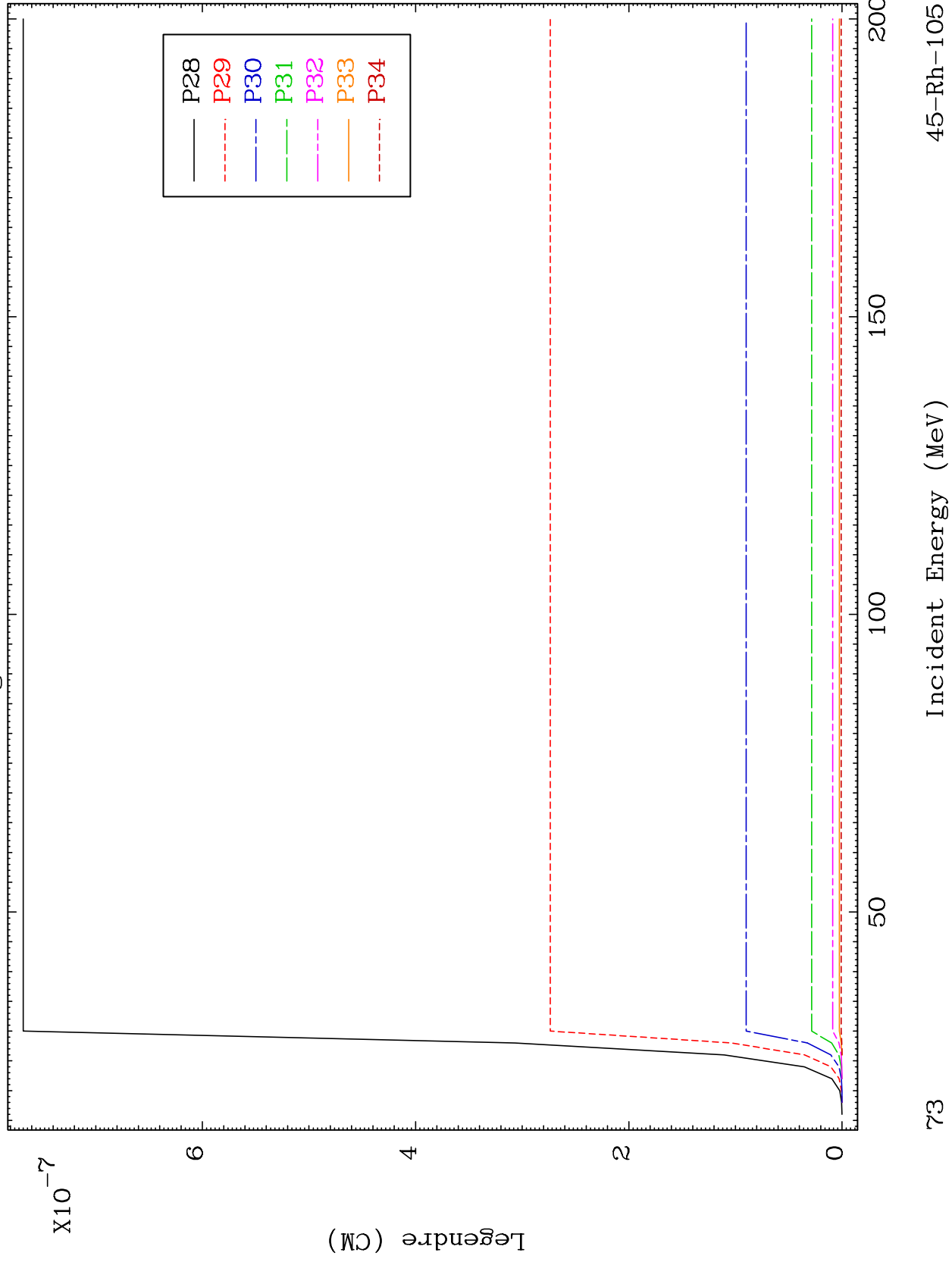
45-Rh-105

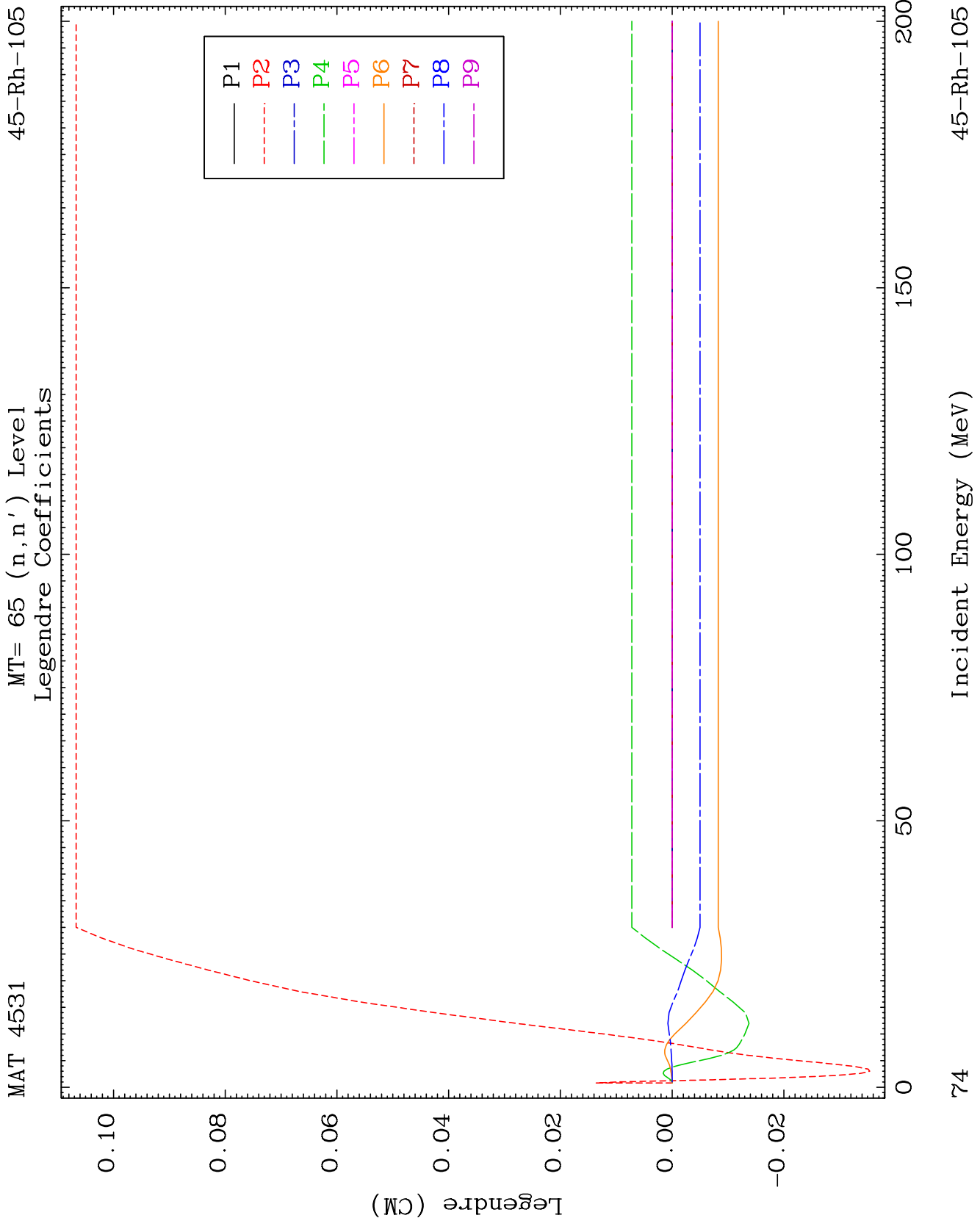


MAT 4531

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

45-Rh-105

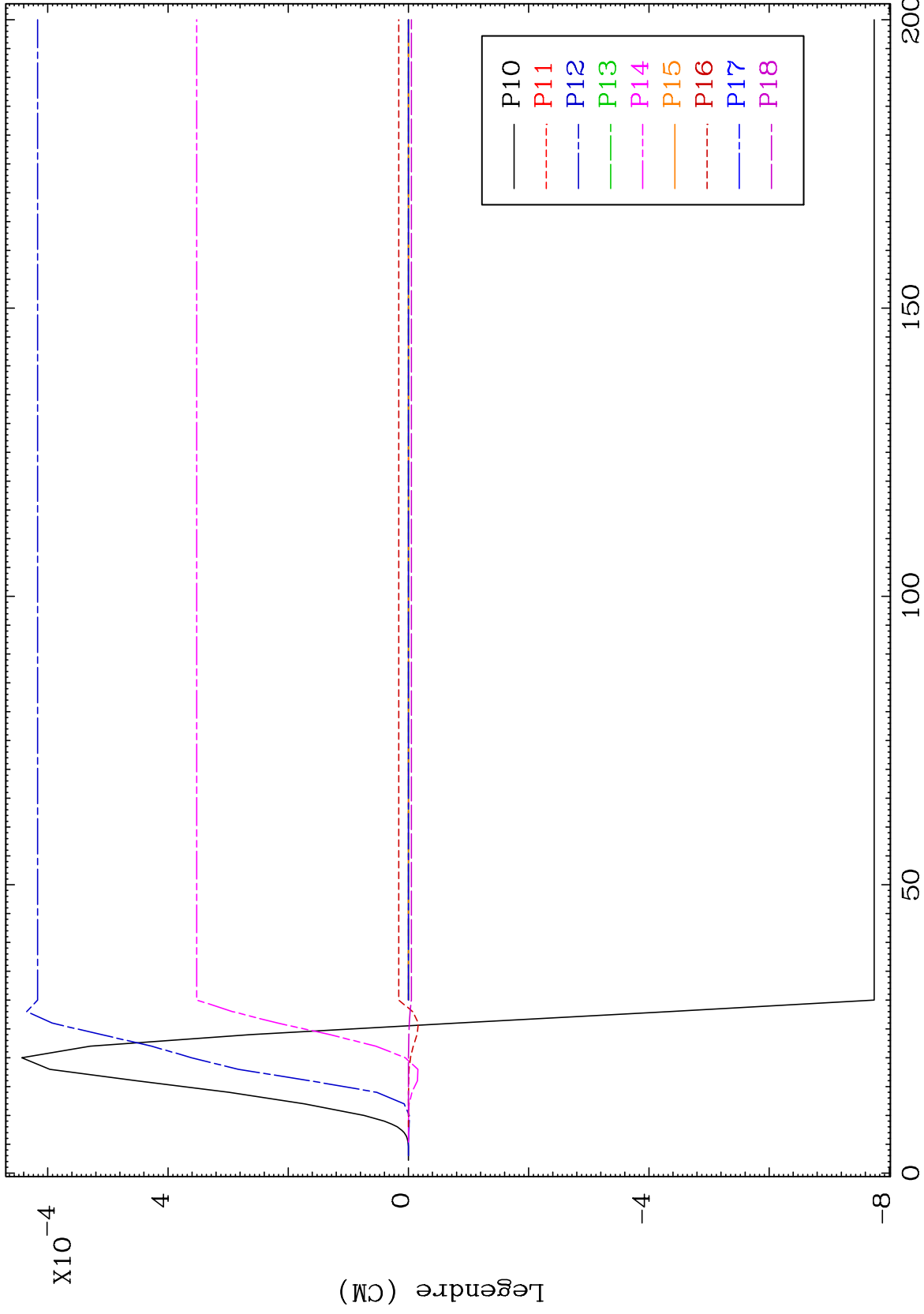




MAT 4531

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

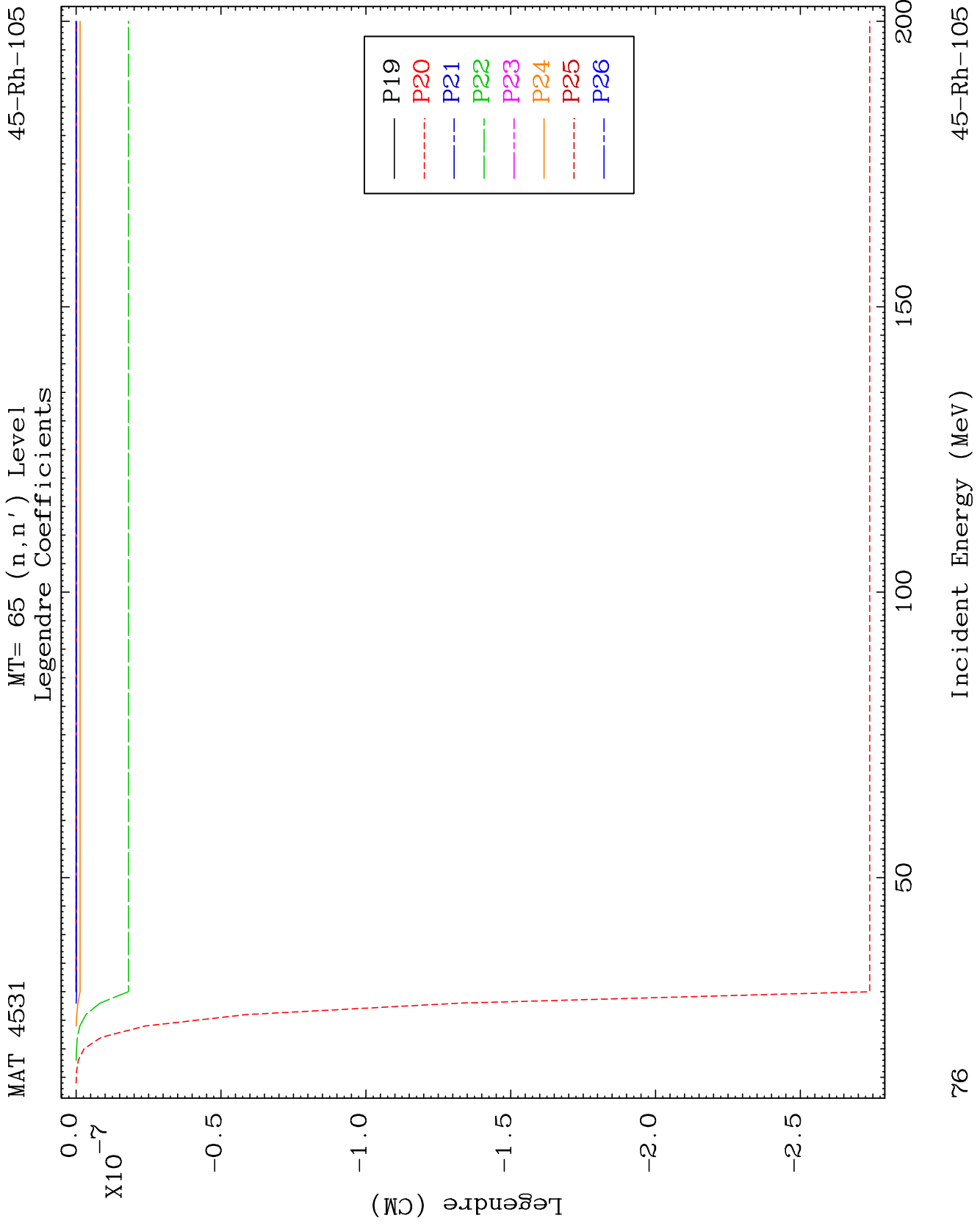
45-Rh-105

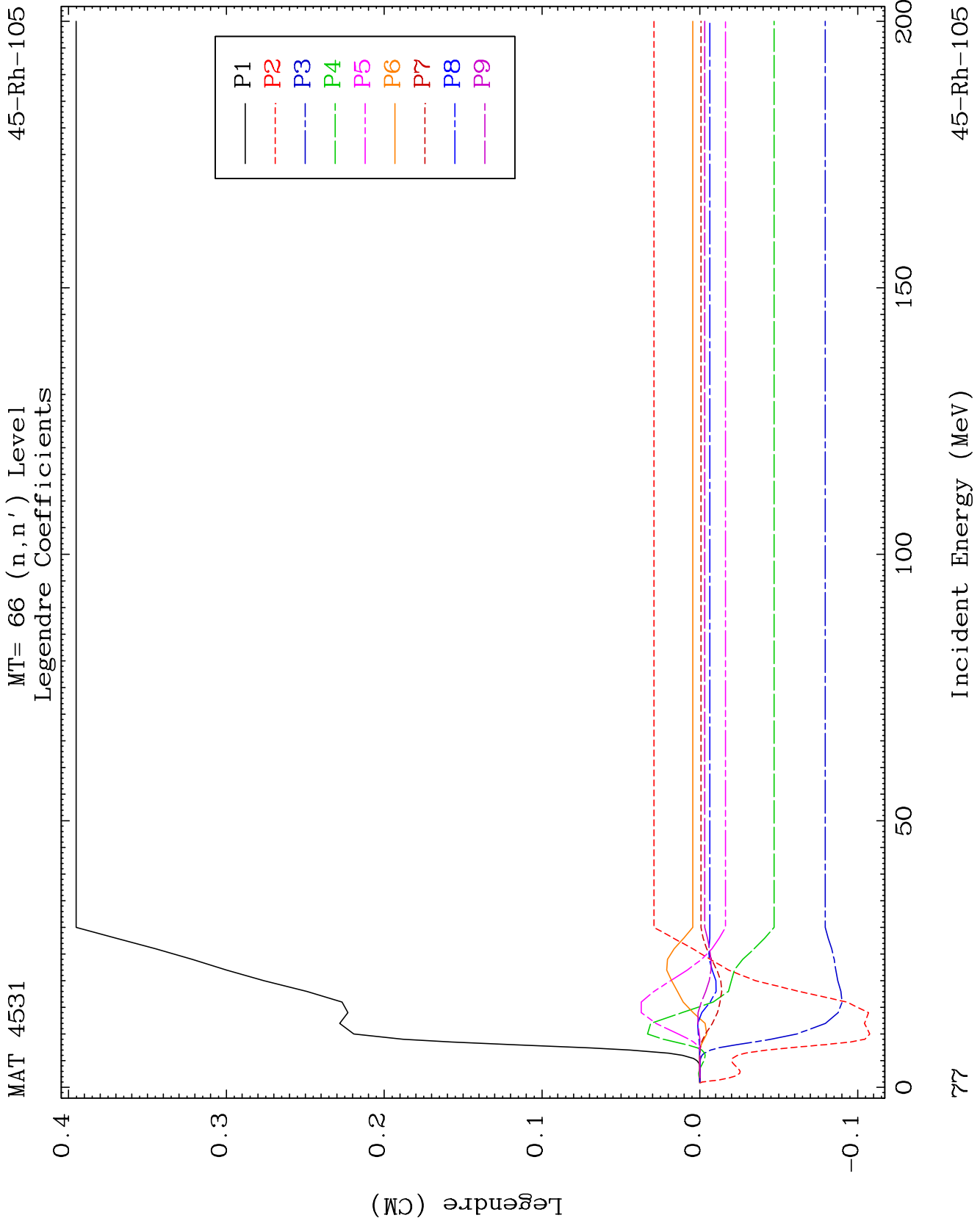


75

Incident Energy (MeV)

45-Rh-105

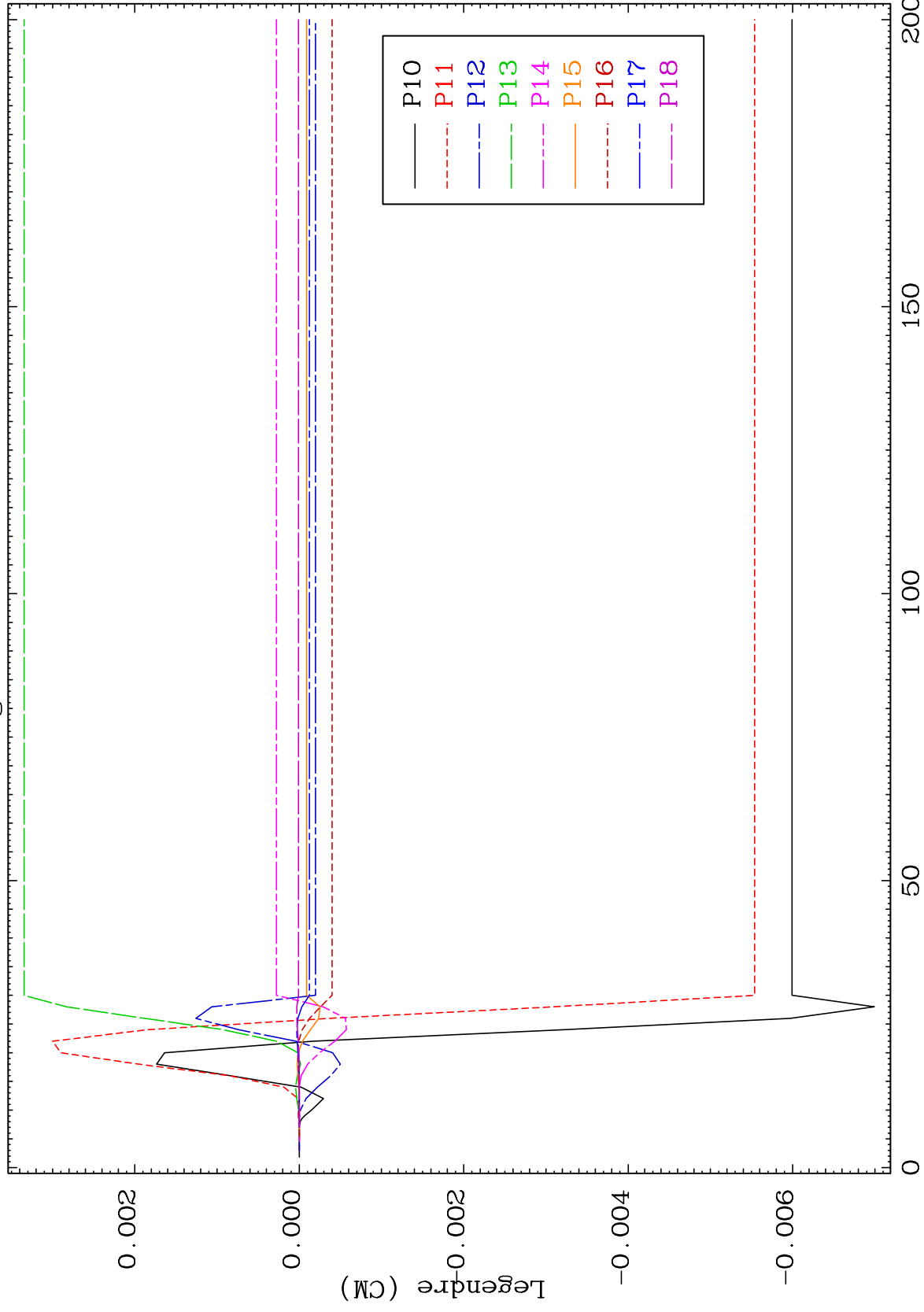




MAT 4531

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

45-Rh-105



78

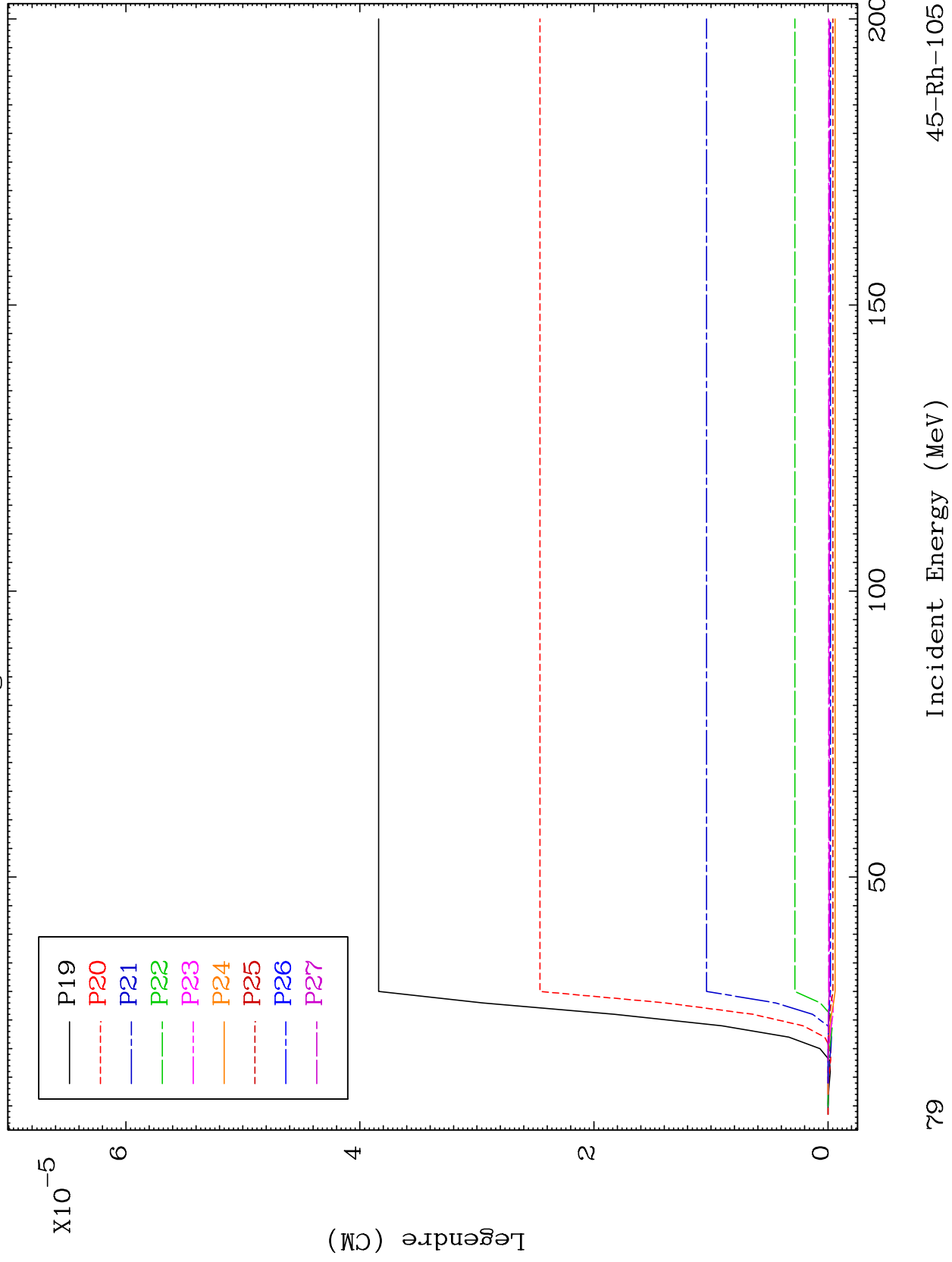
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

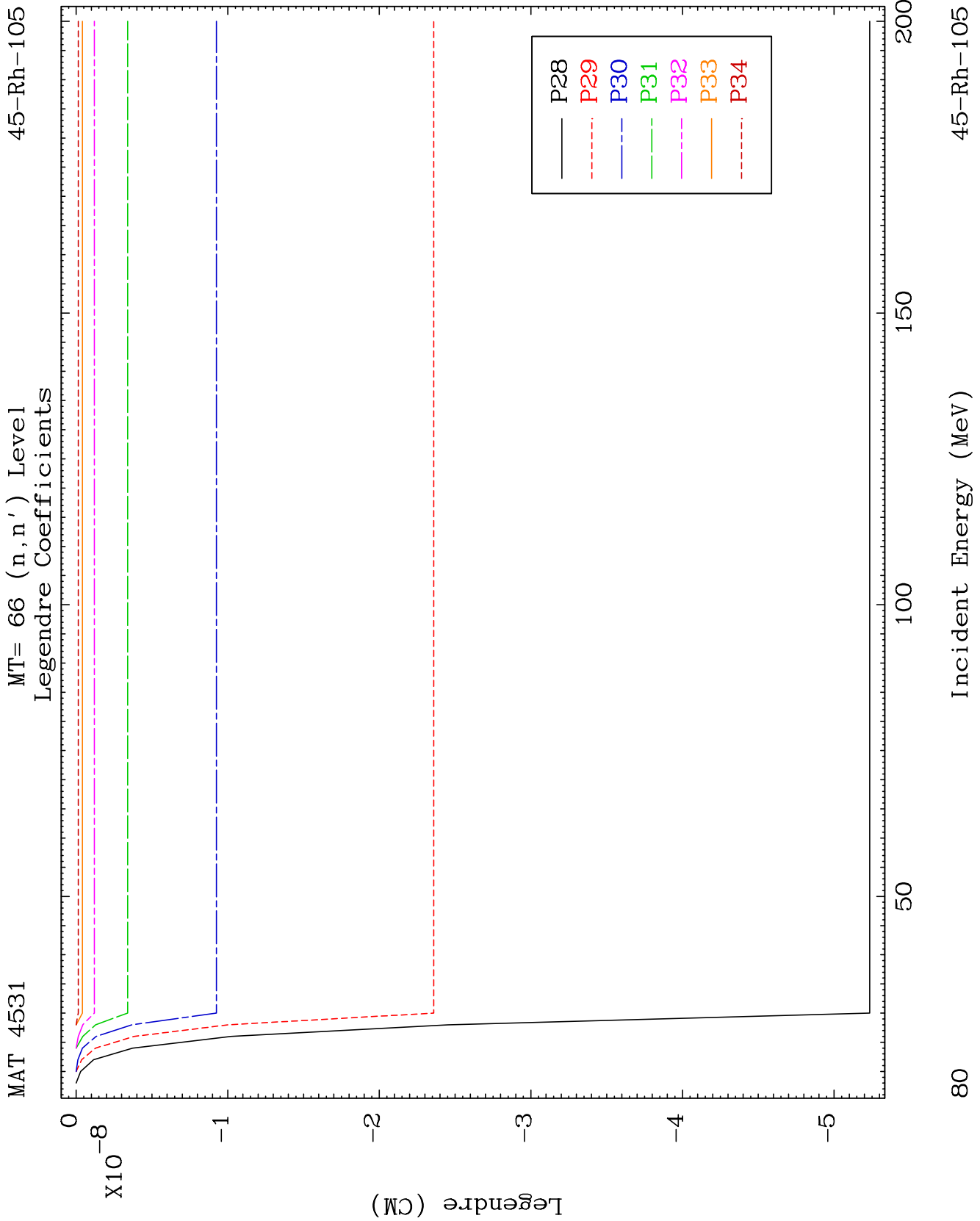
45-Rh-105



79

Incident Energy (MeV)

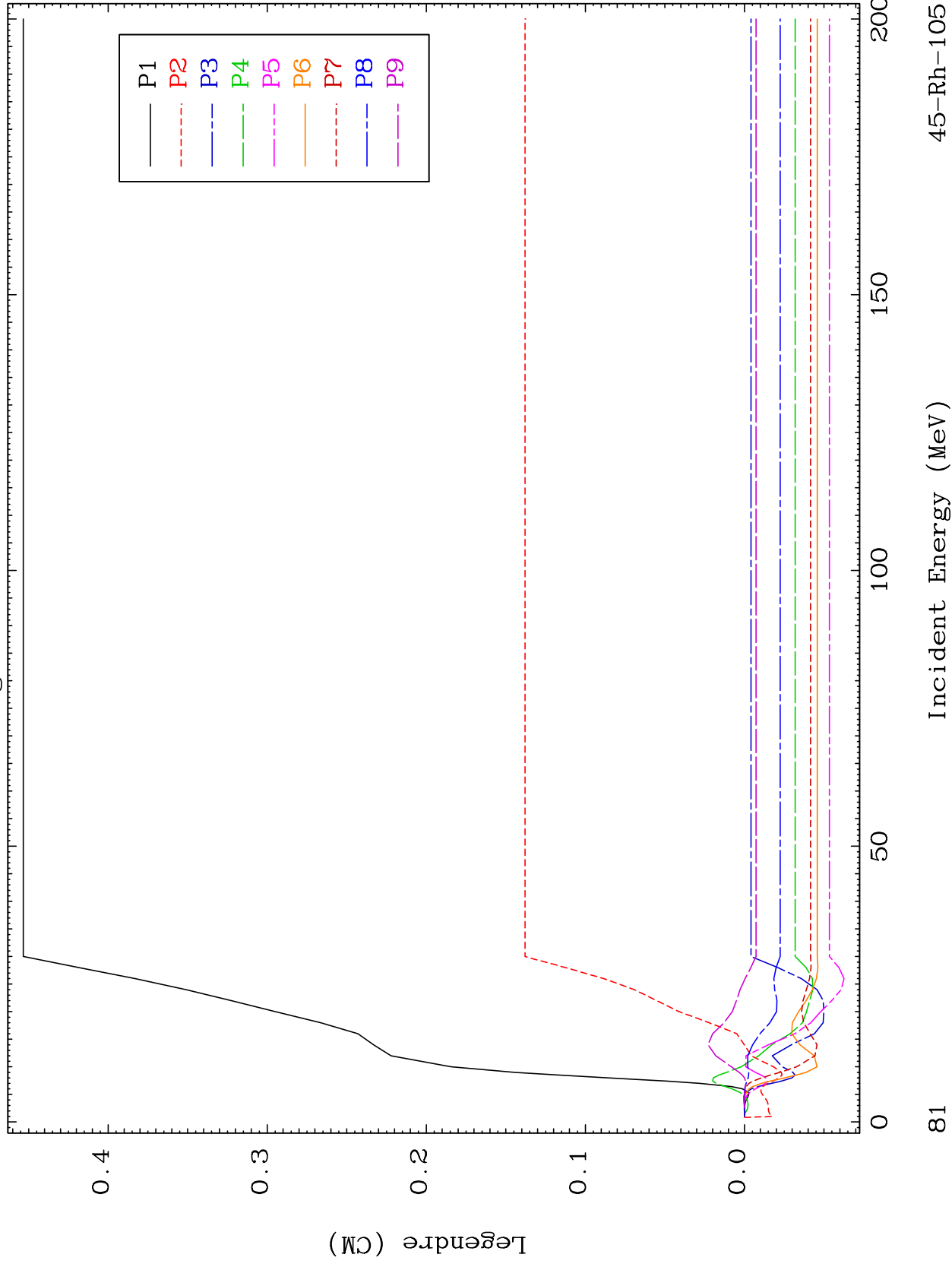
45-Rh-105



MAT 4531

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

45-Rh-105



81

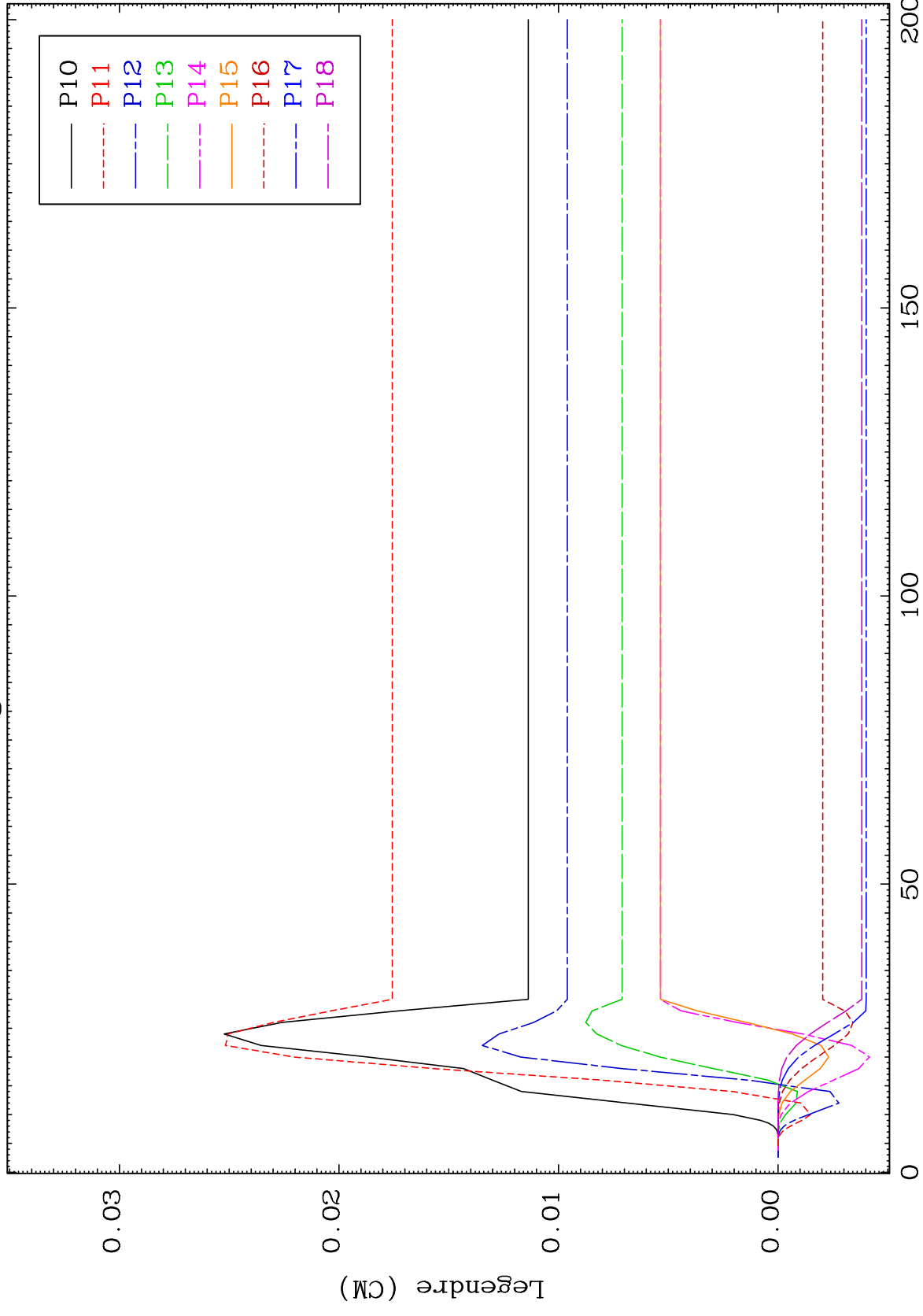
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

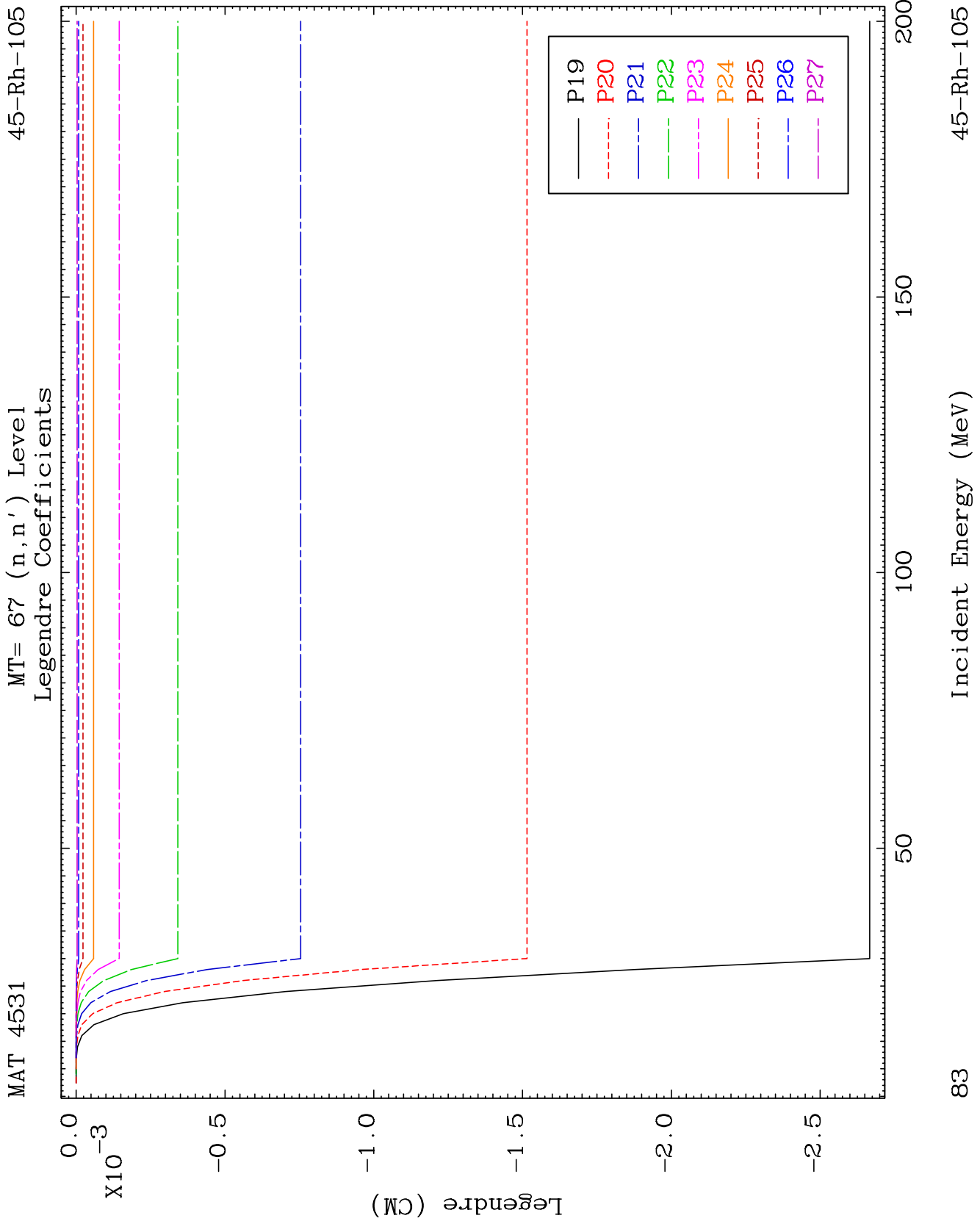
45-Rh-105

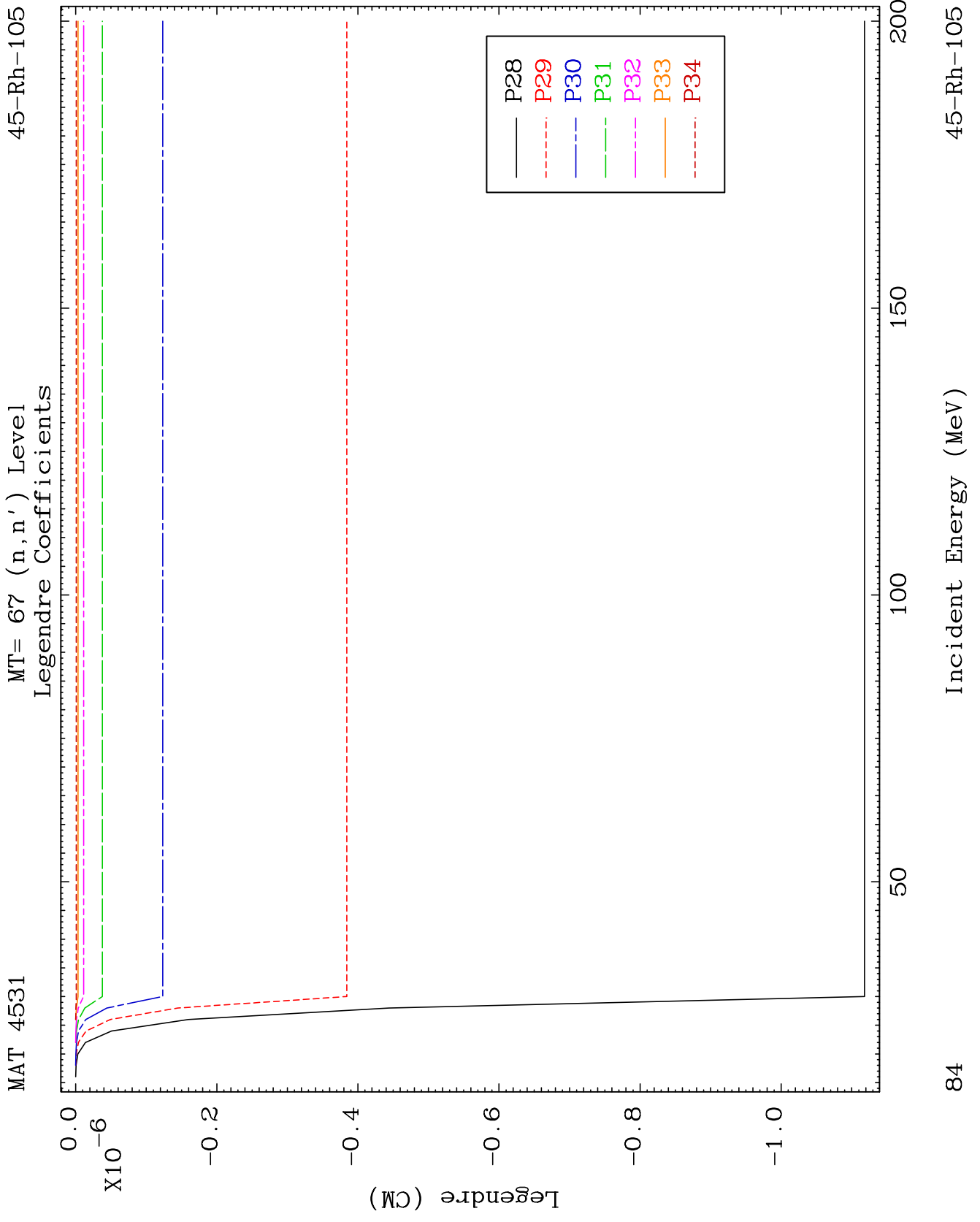


82

Incident Energy (MeV)

45-Rh-105

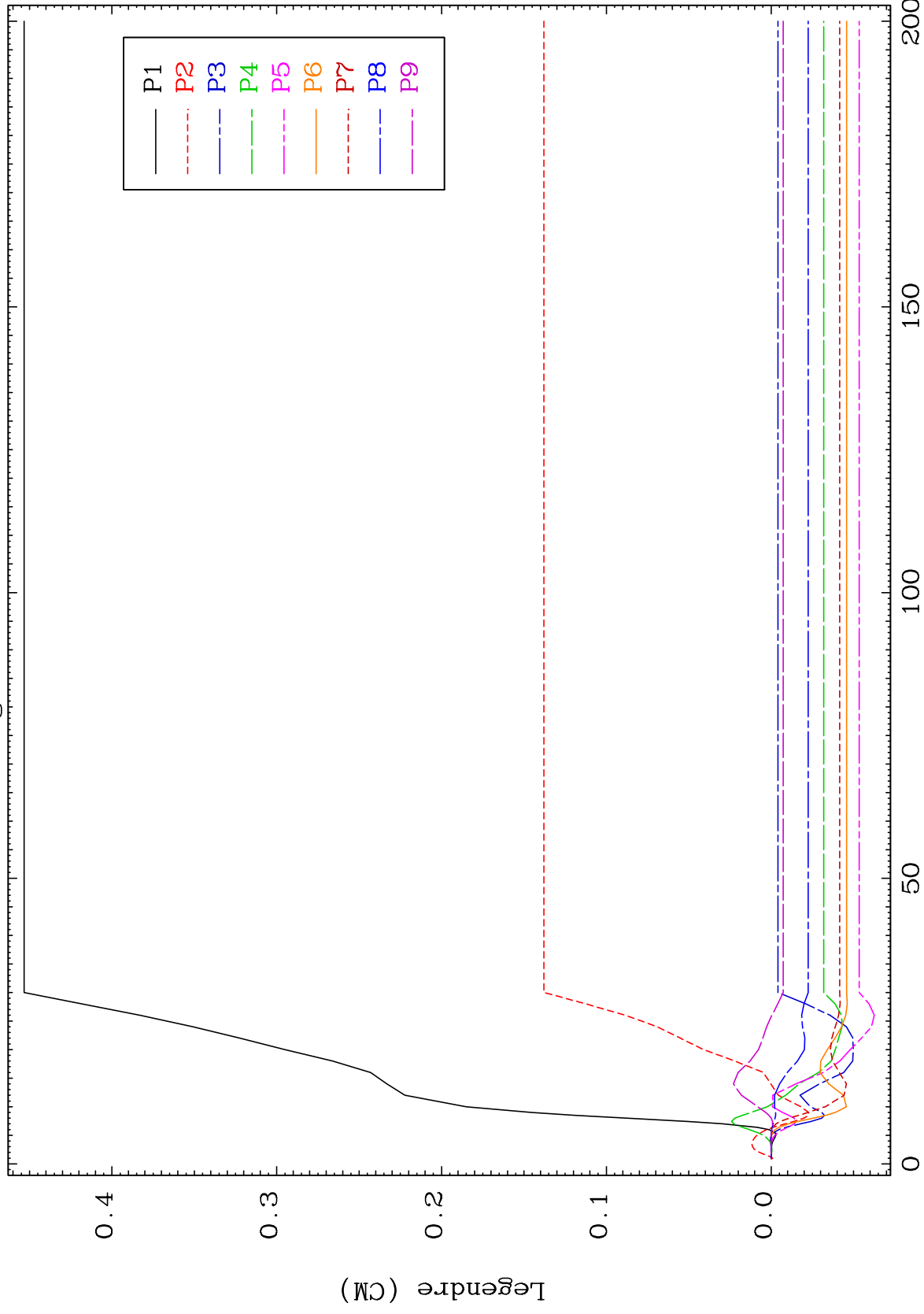




MAT 4531

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

45-Rh-105



85

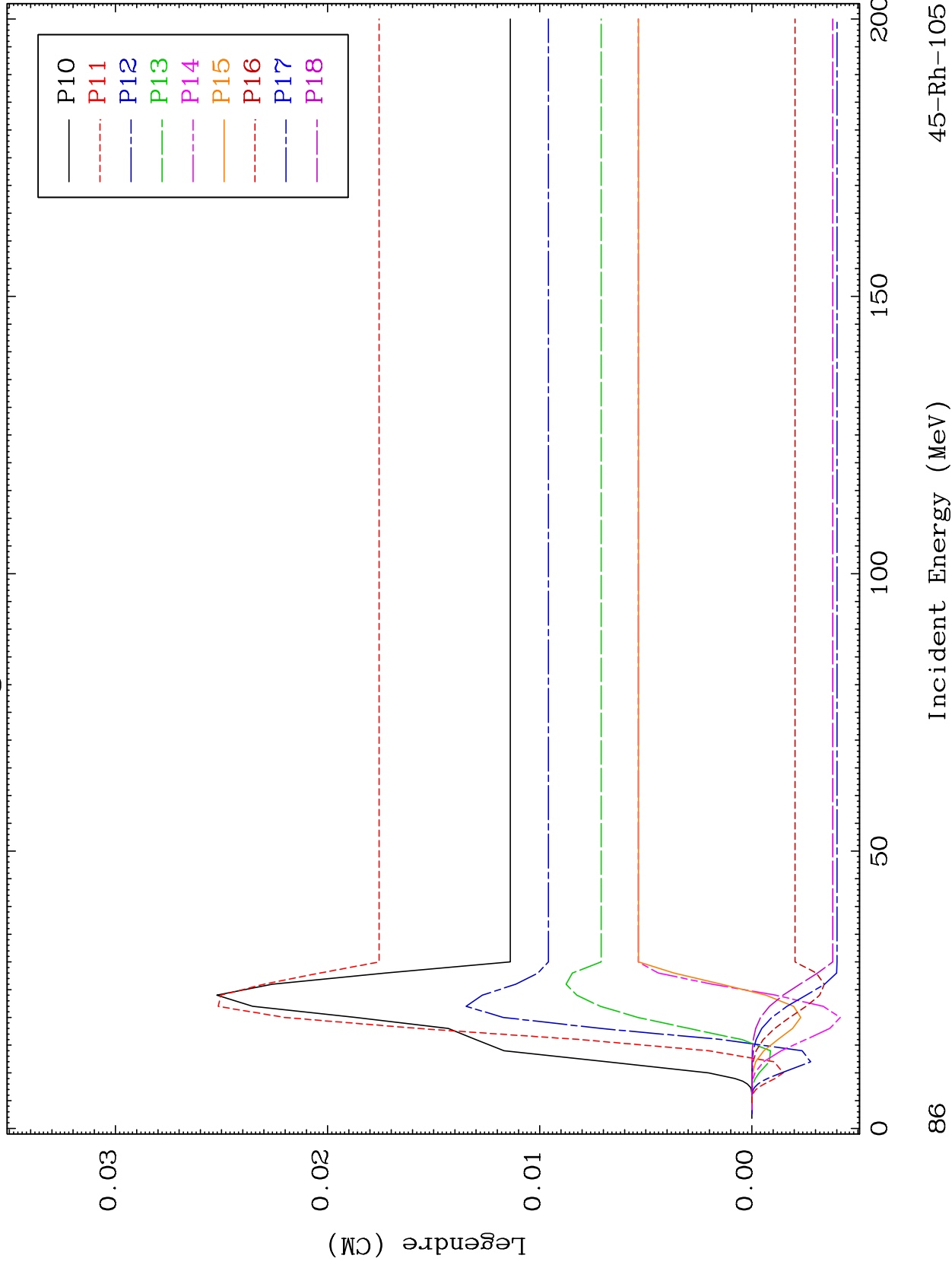
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

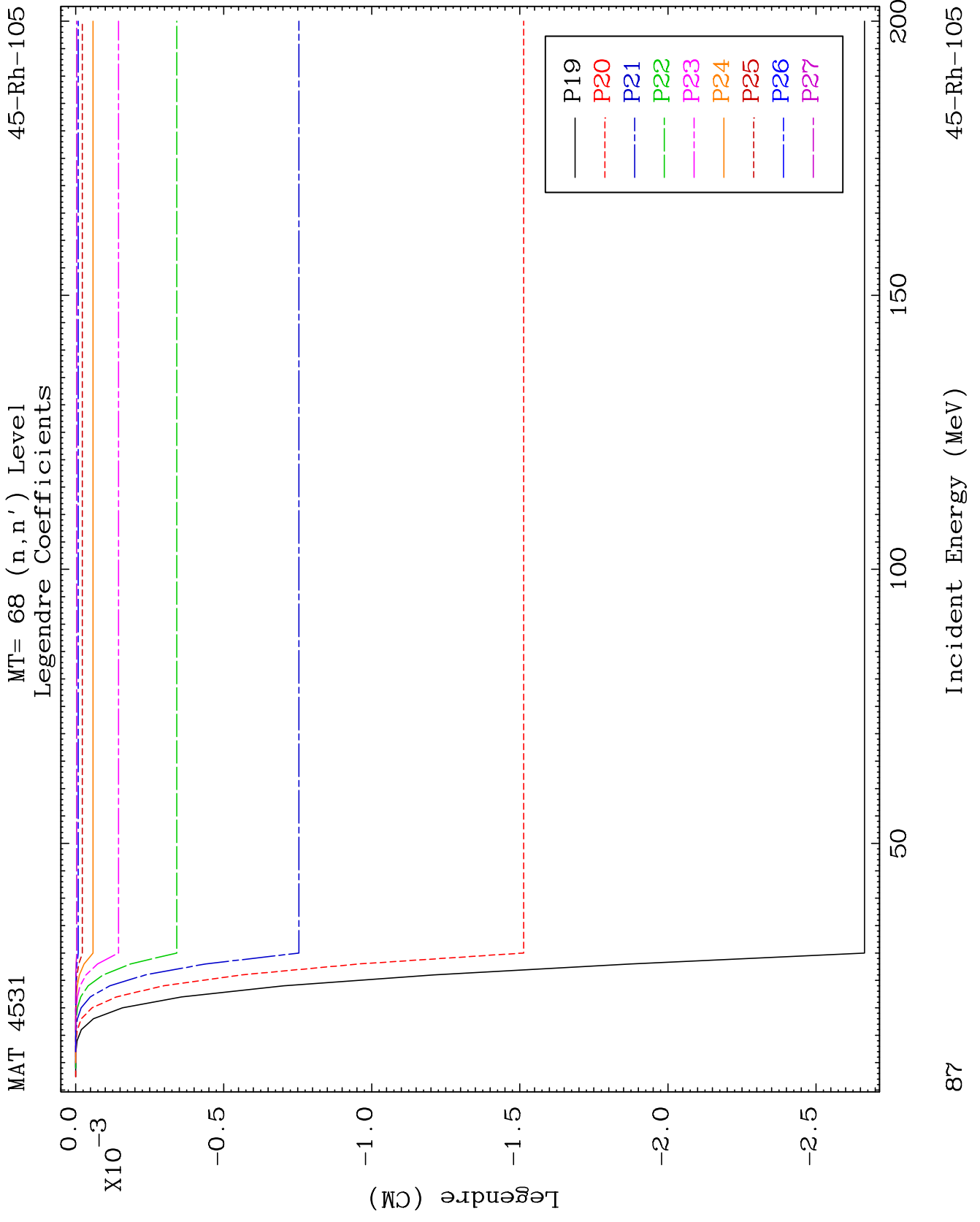
45-Rh-105

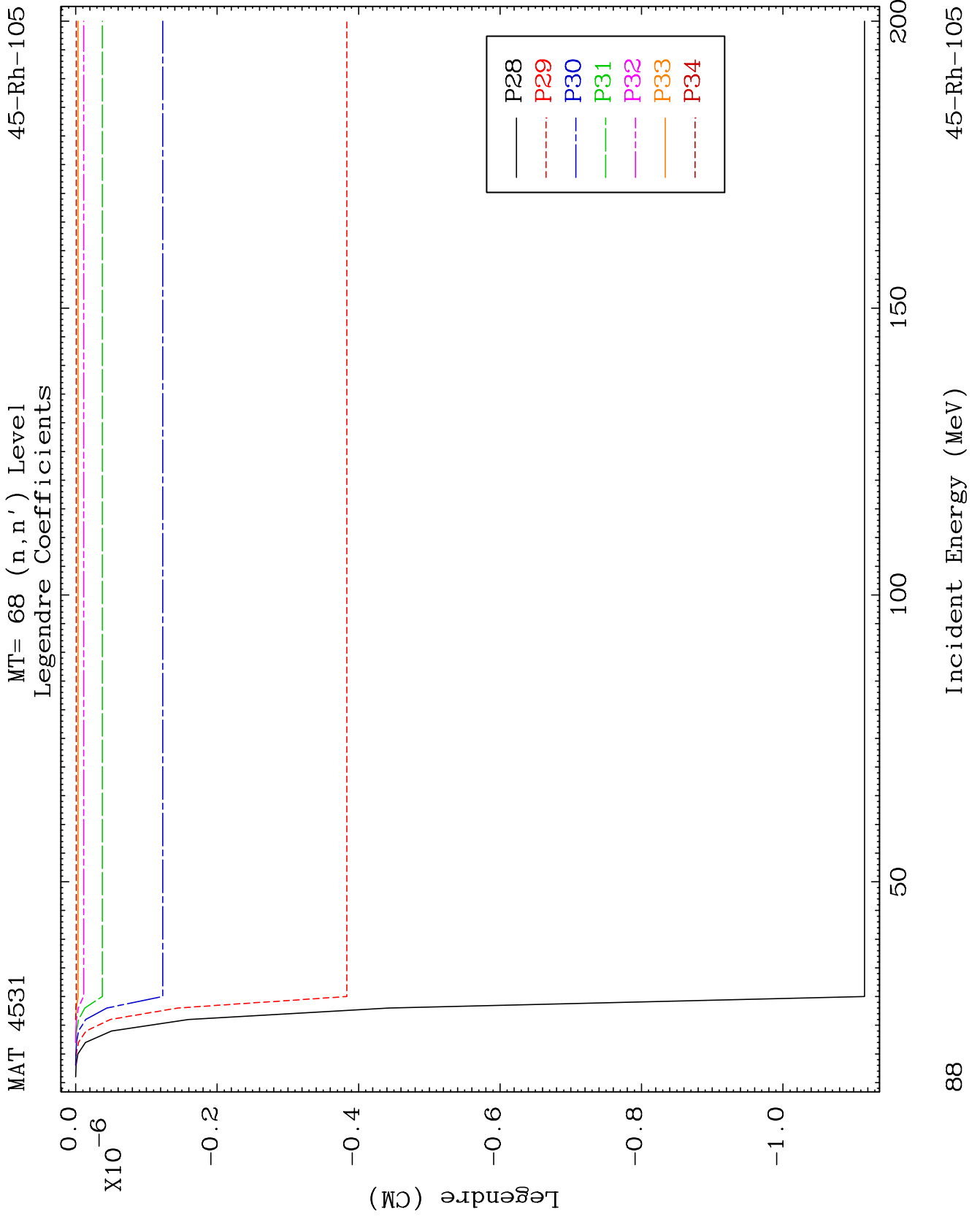


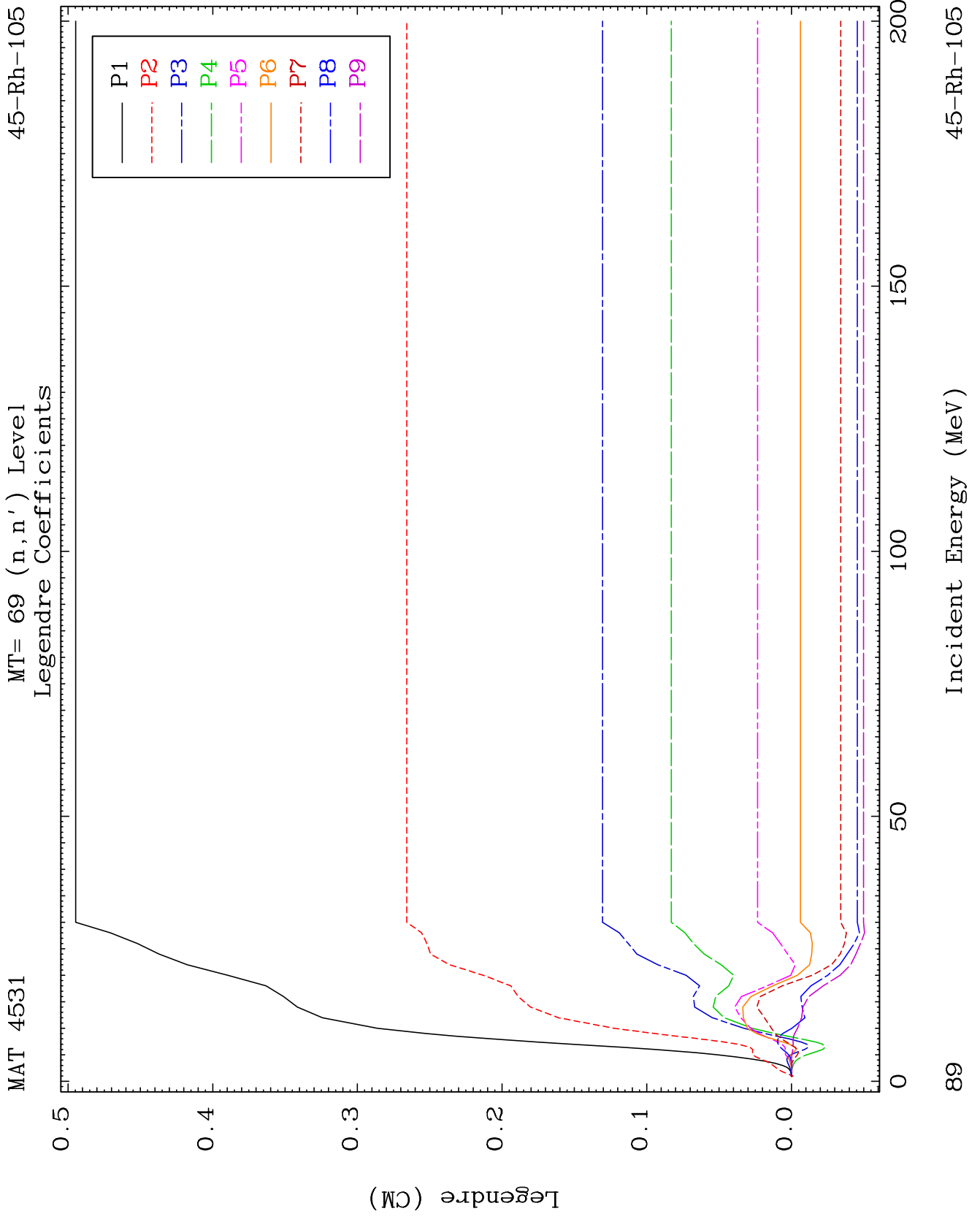
45-Rh-105

Incident Energy (MeV)

86



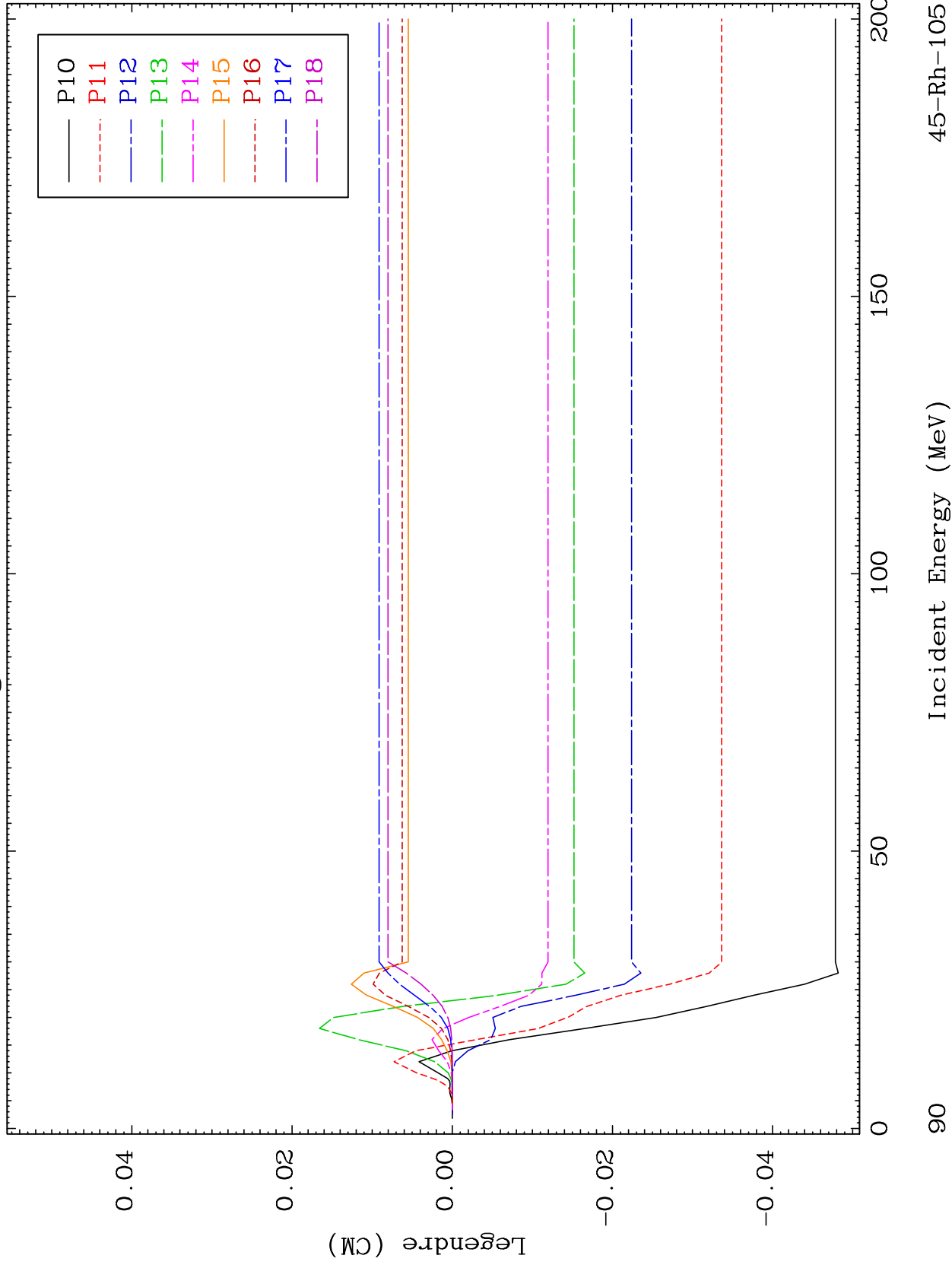


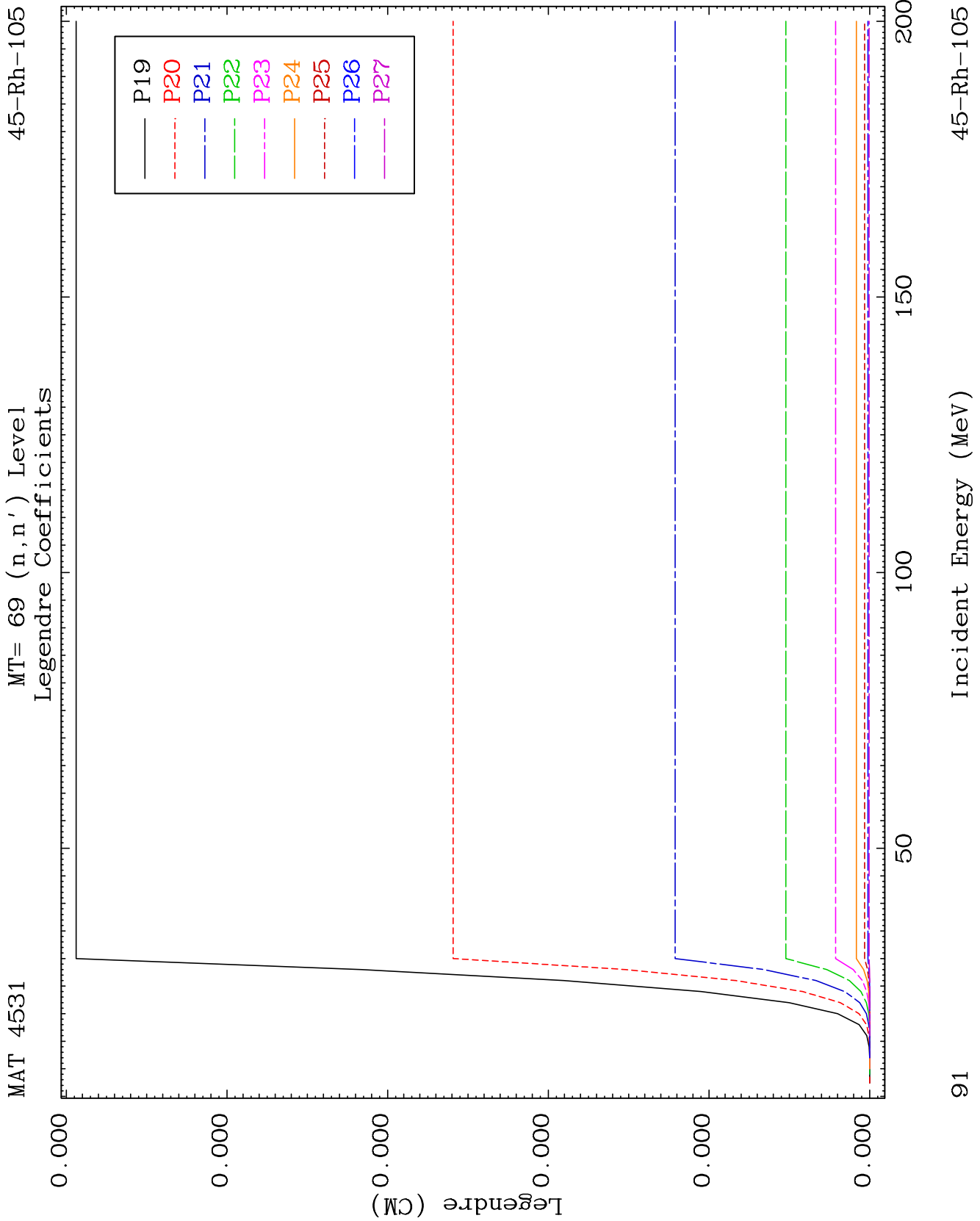


MAT 4531

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

45-Rh-105

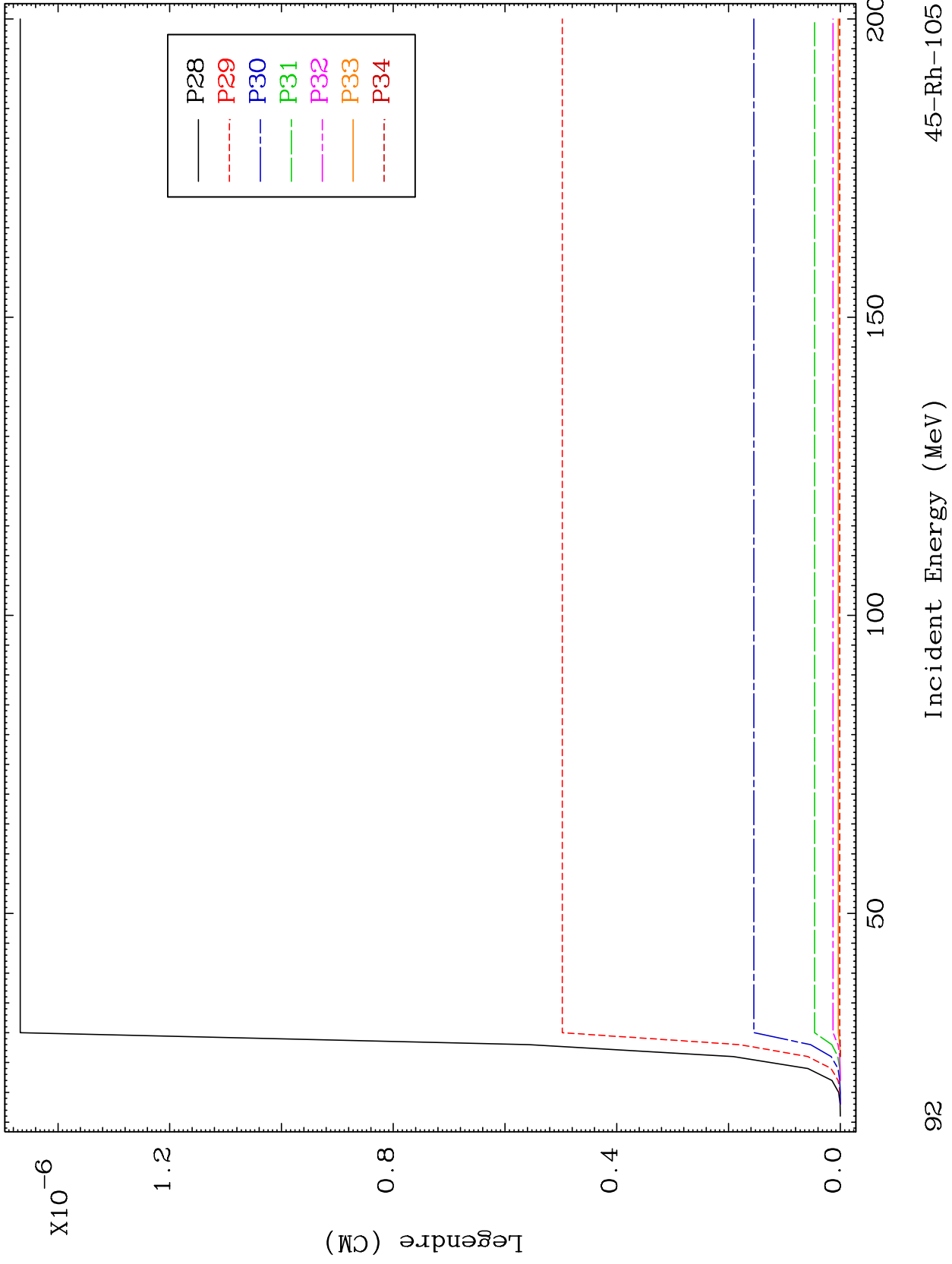




MAT 4531

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

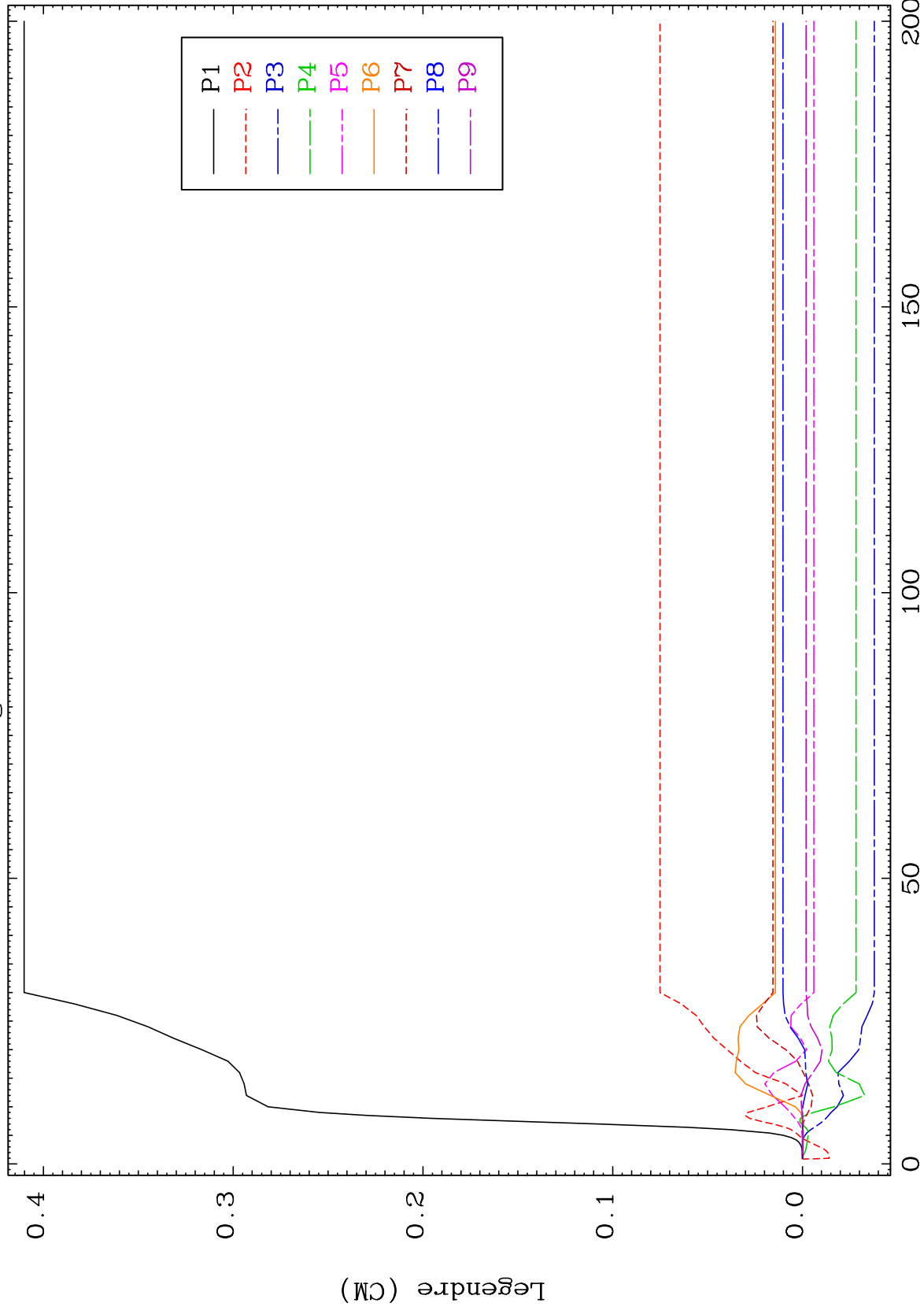
45-Rh-105



MAT 4531

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

45-Rh-105



93

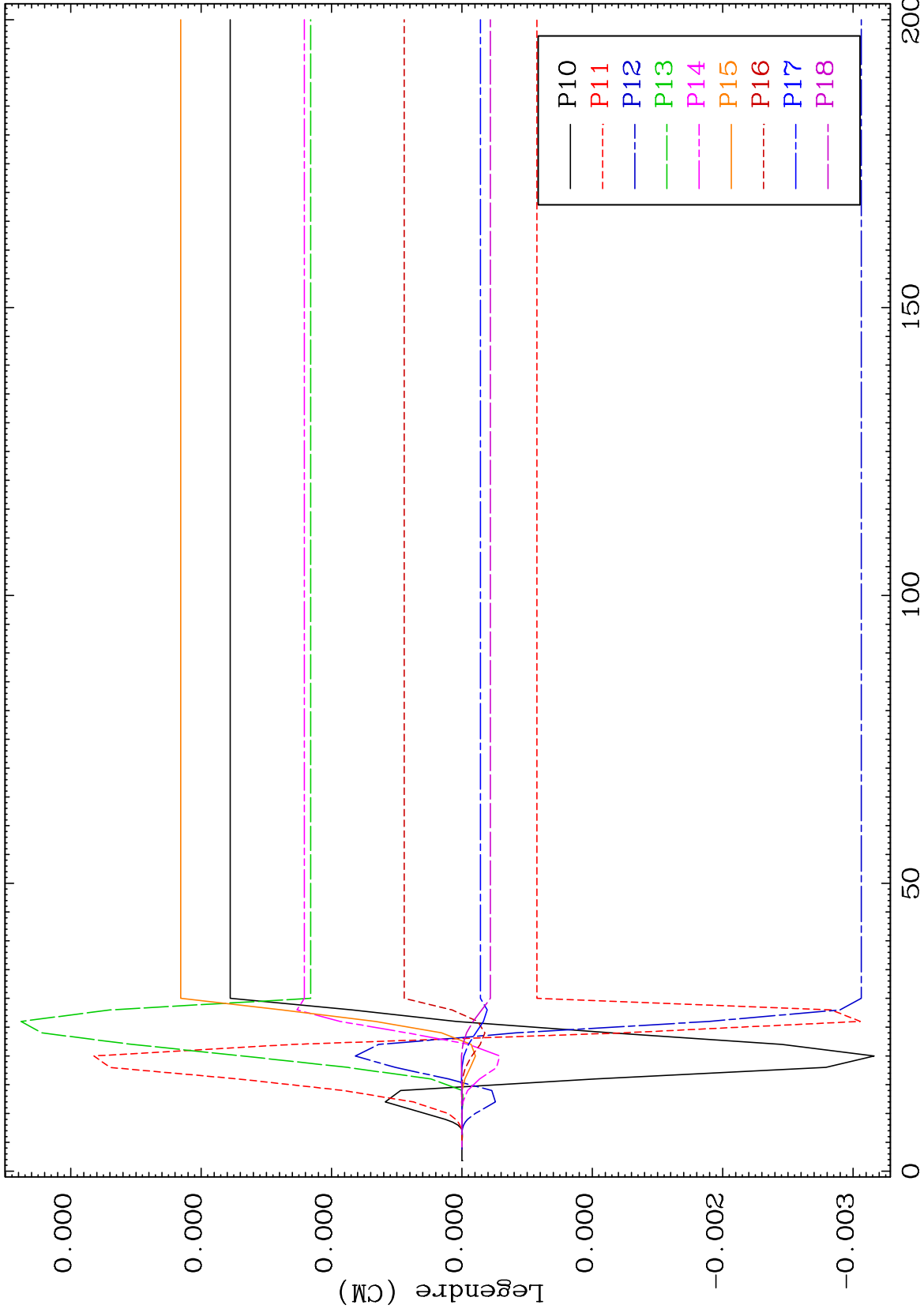
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

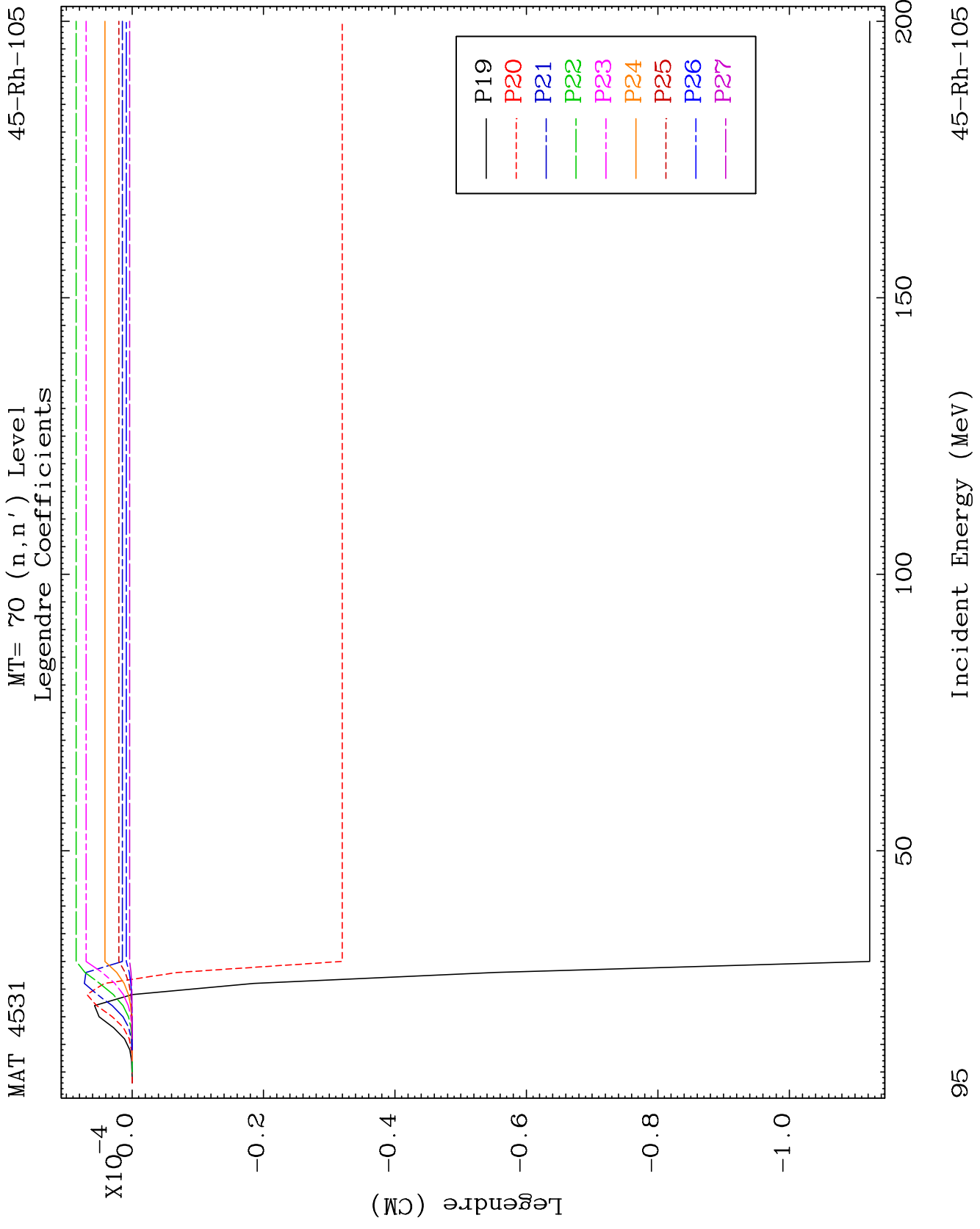
45-Rh-105



94

Incident Energy (MeV)

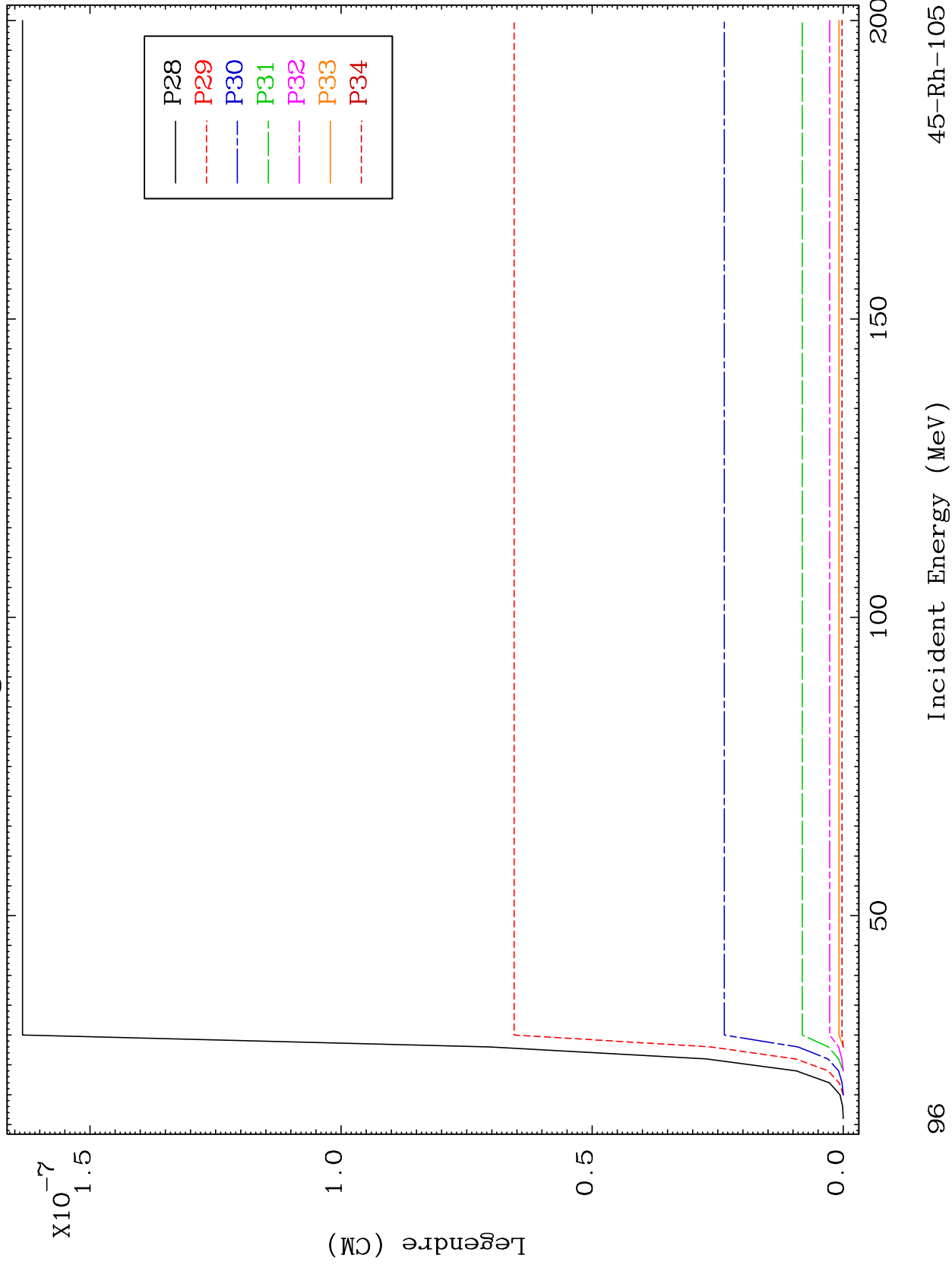
45-Rh-105



MAT 4531

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

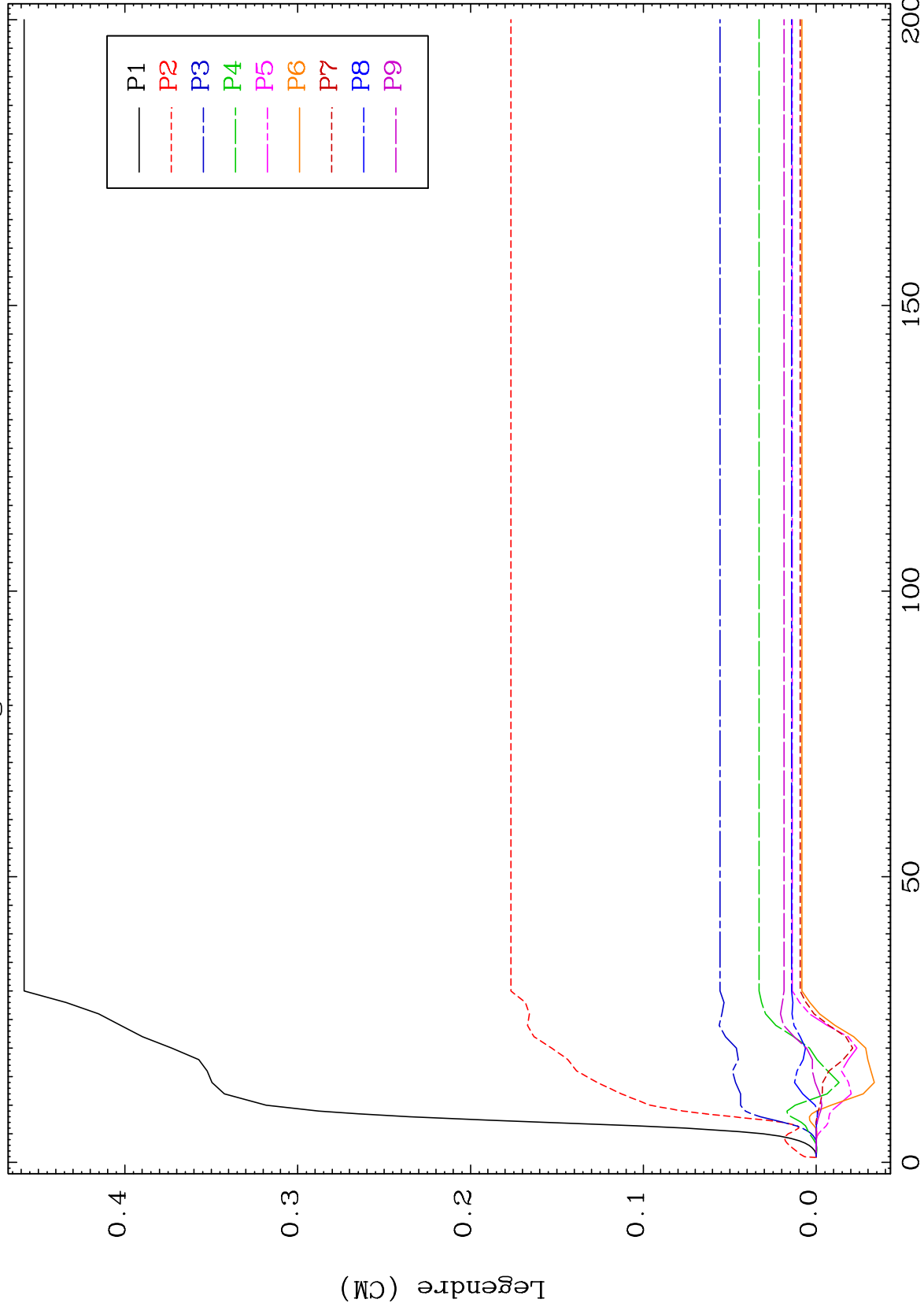
45-Rh-105



MAT 4531

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

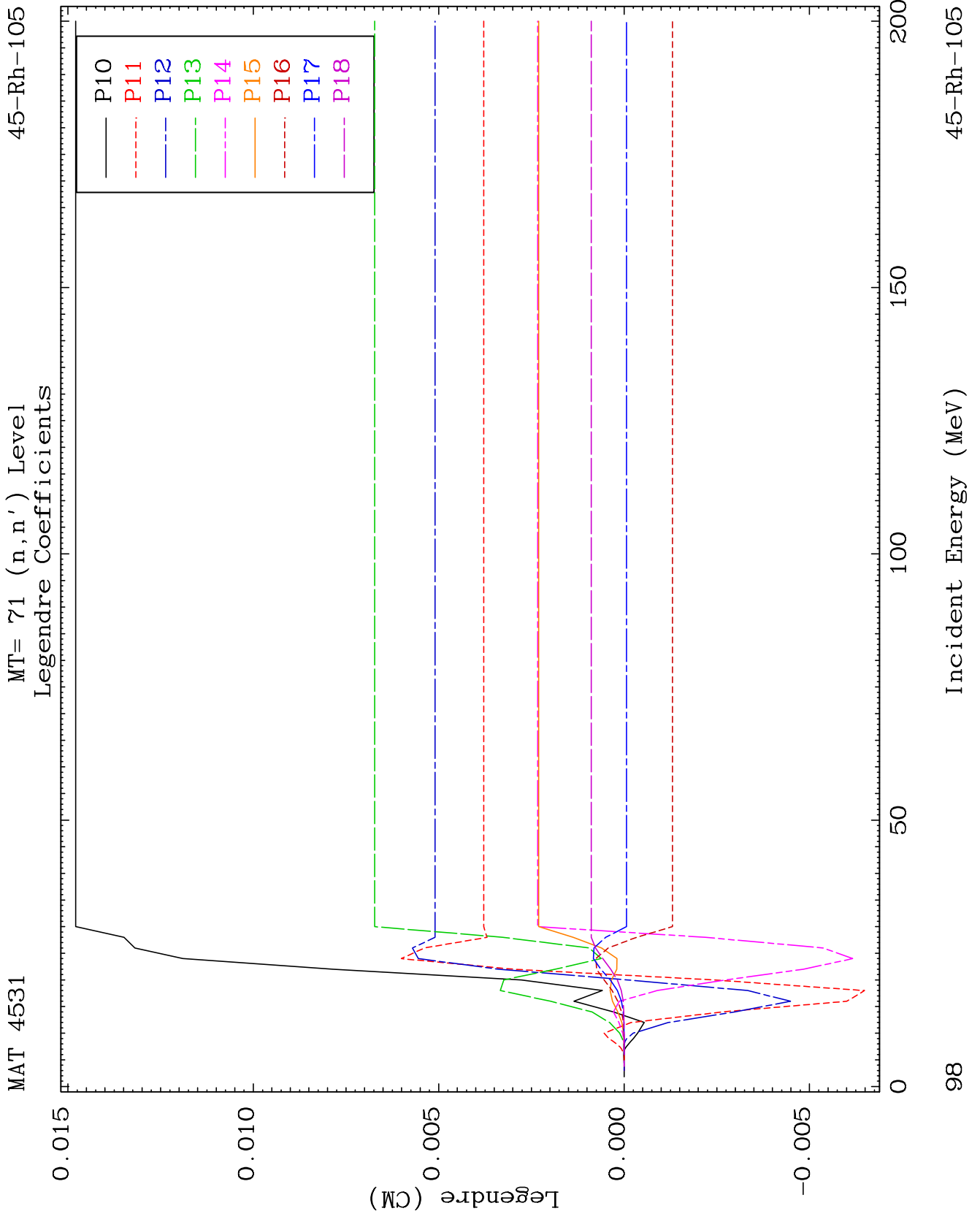
45-Rh-105



97

Incident Energy (MeV)

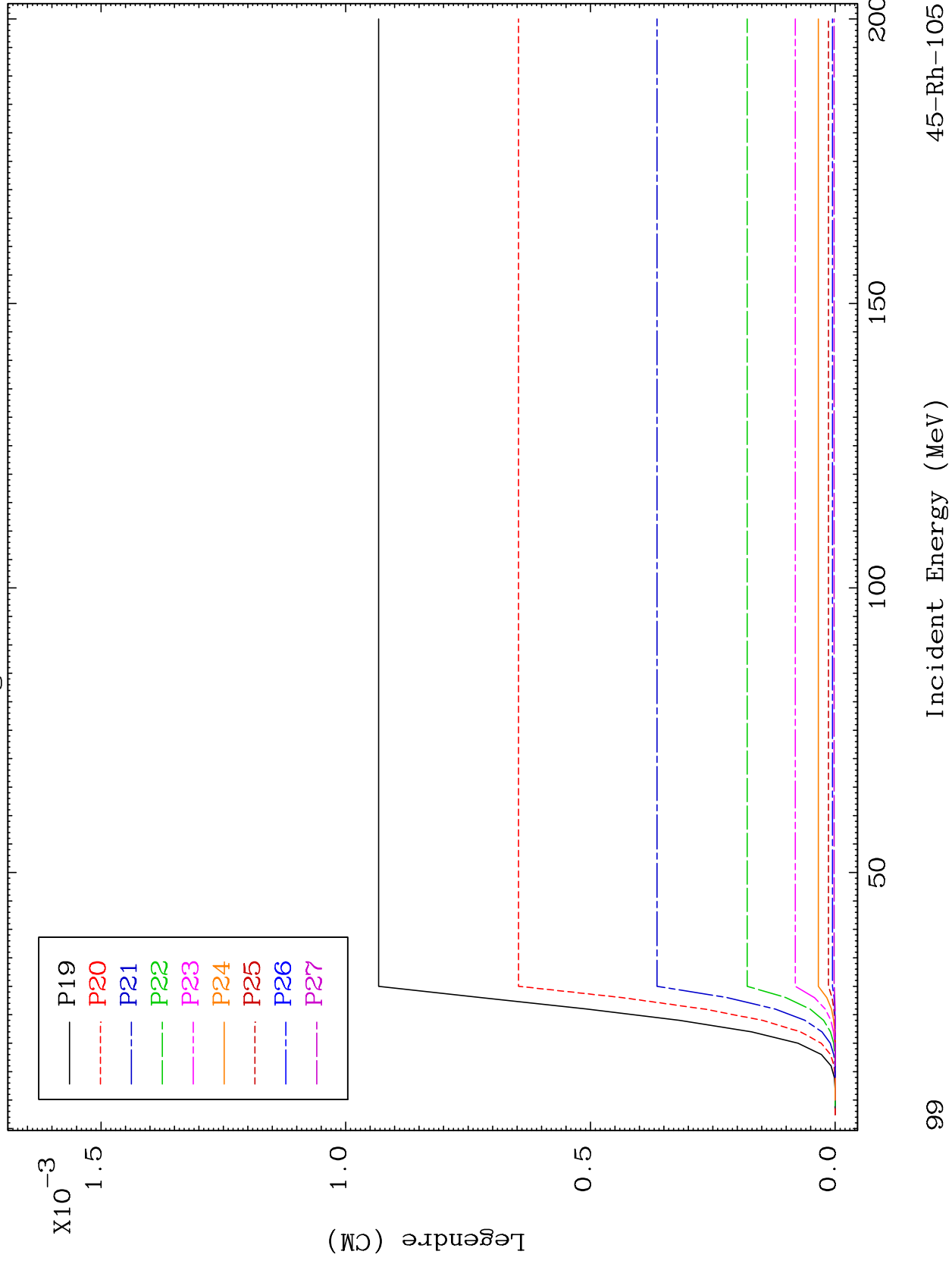
45-Rh-105



MAT 4531

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

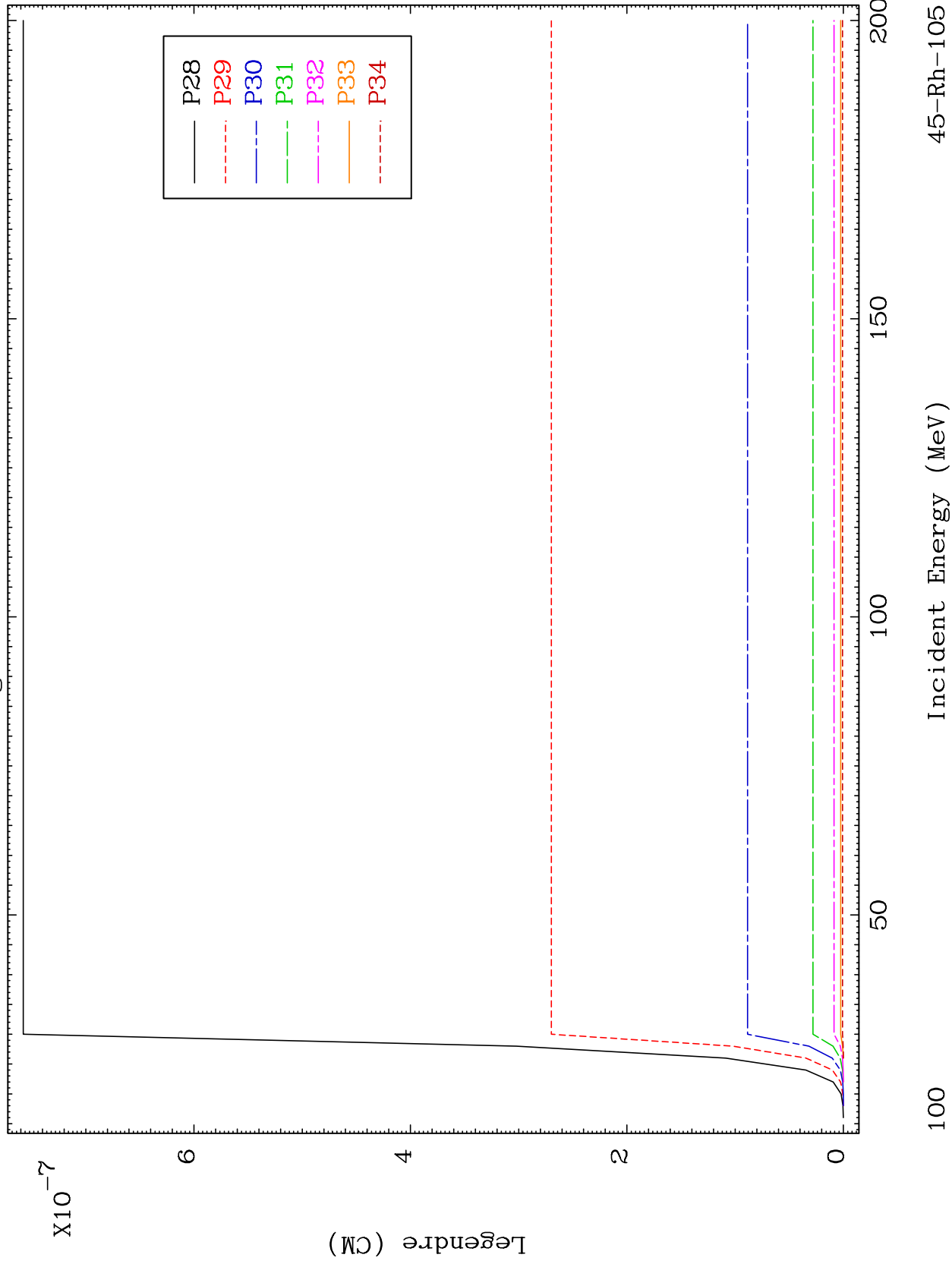
45-Rh-105



MAT 4531

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

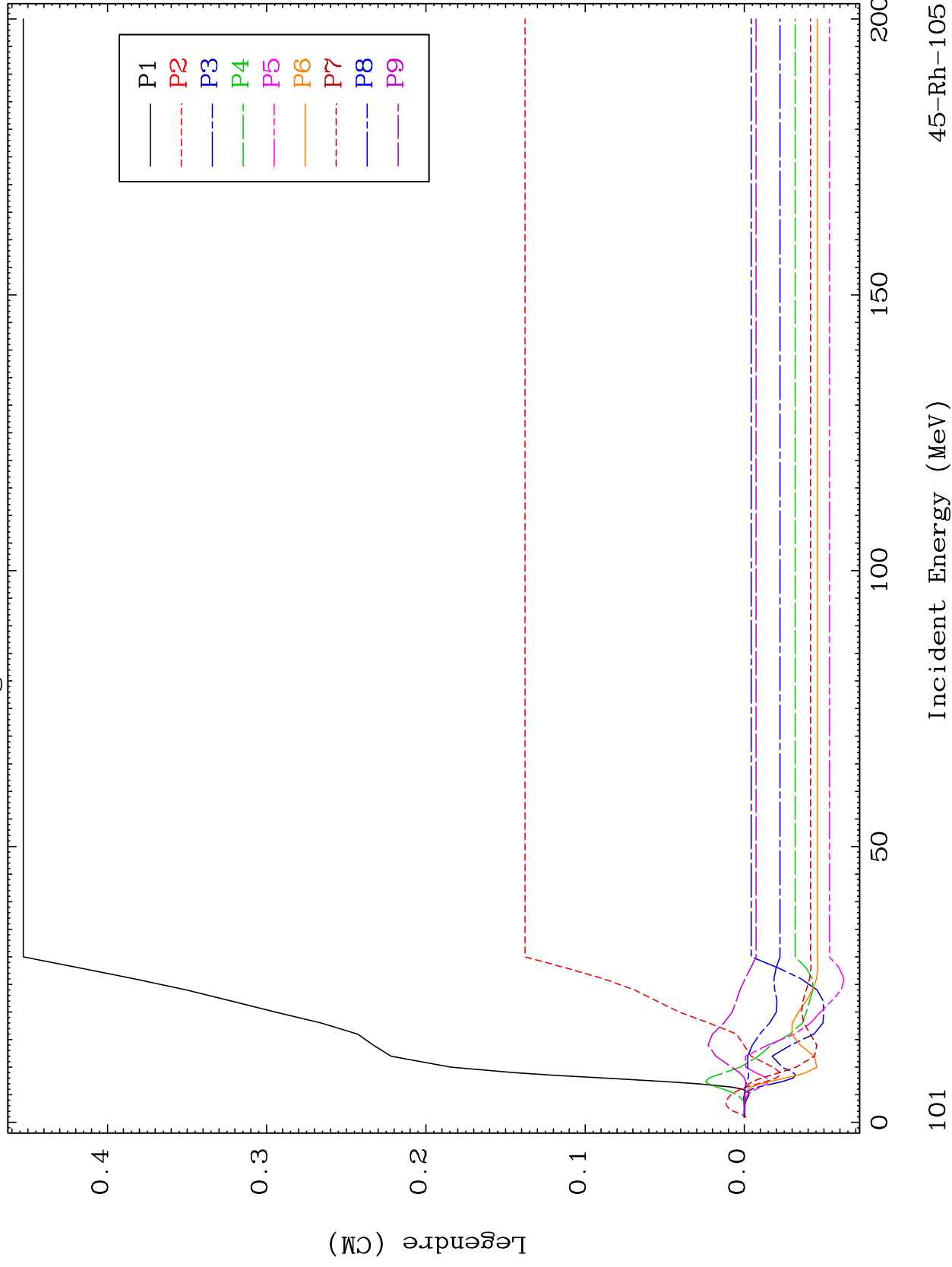
45-Rh-105



MAT 4531

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

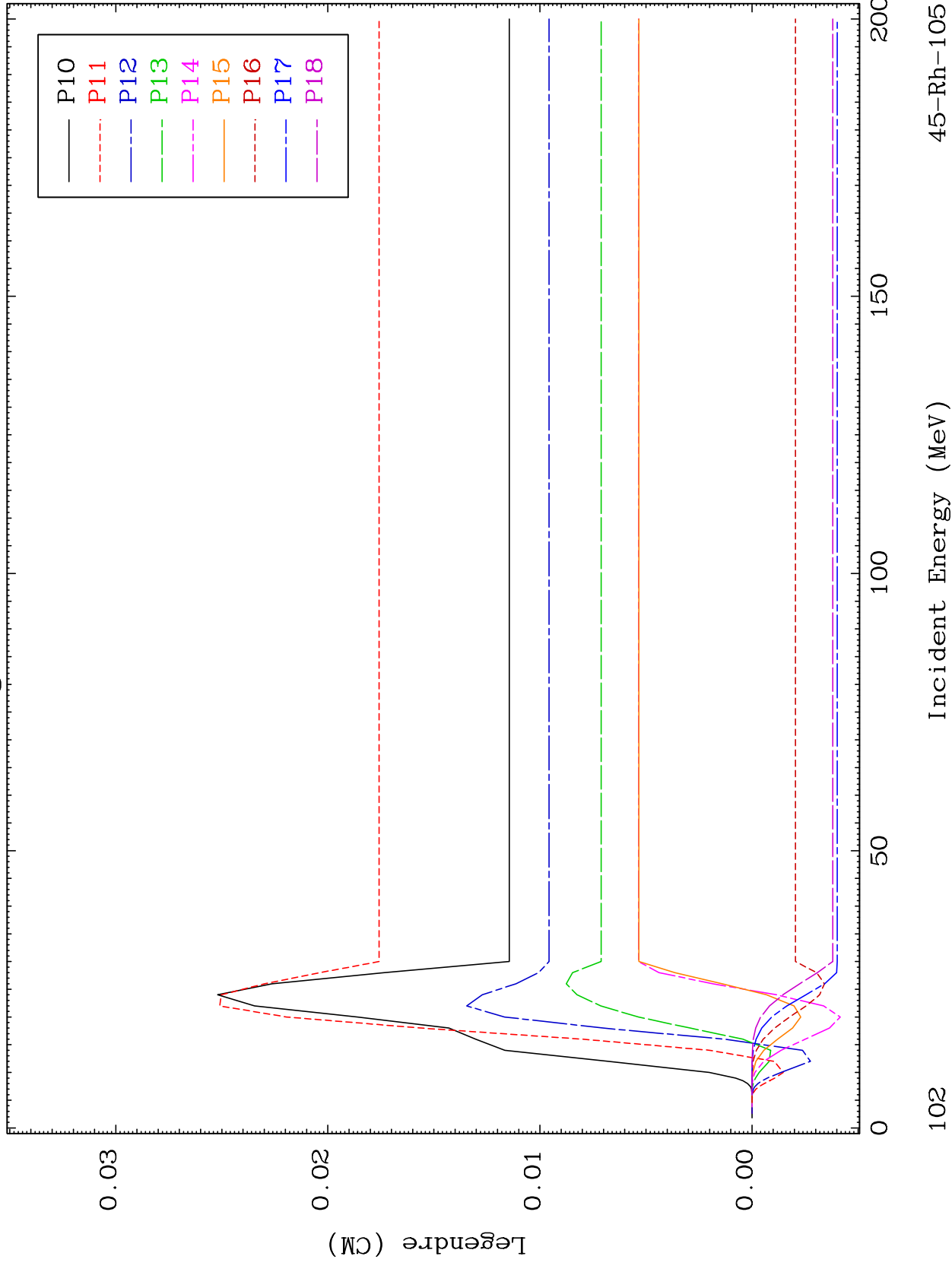
45-Rh-105



MAT 4531

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

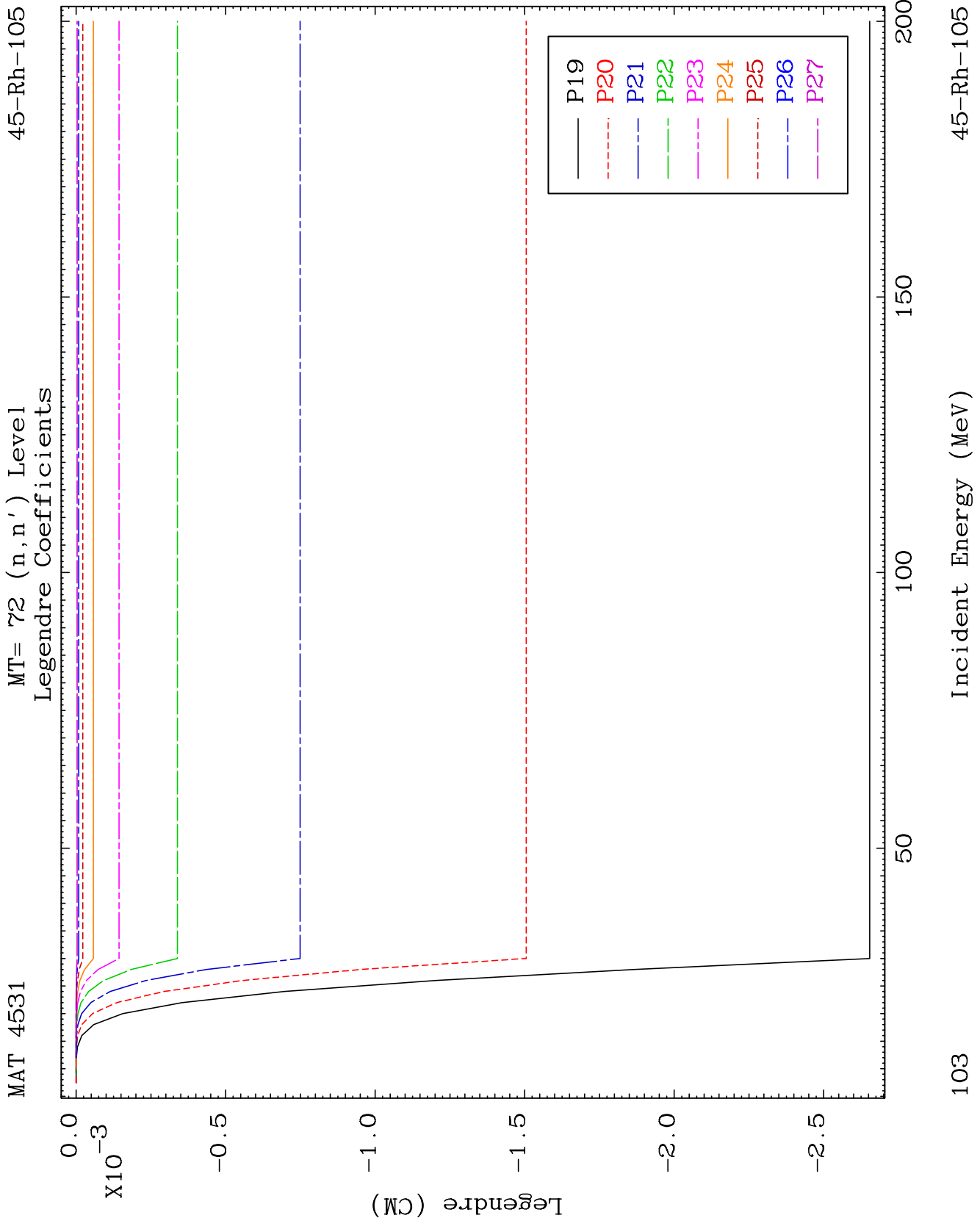
45-Rh-105

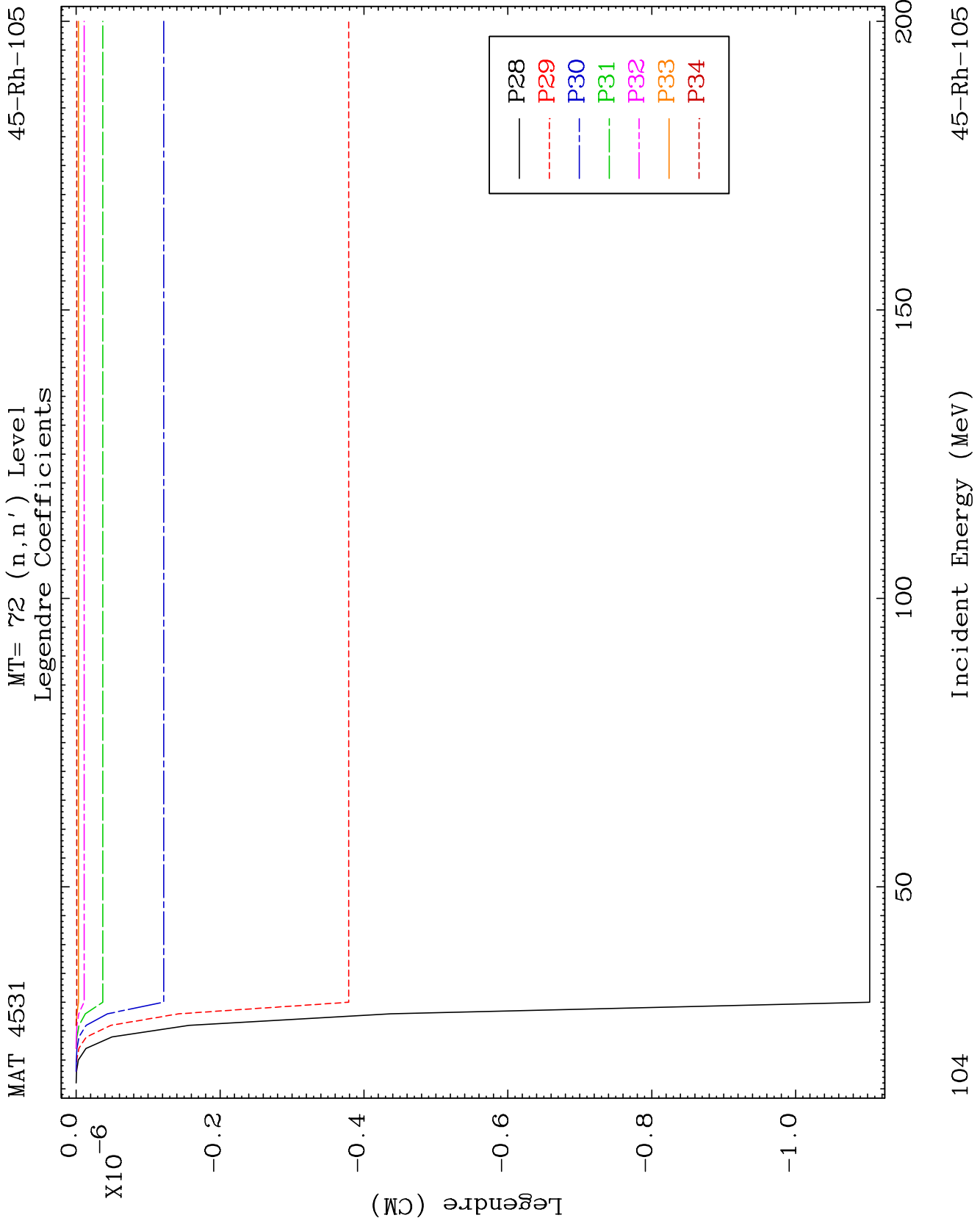


45-Rh-105

Incident Energy (MeV)

102

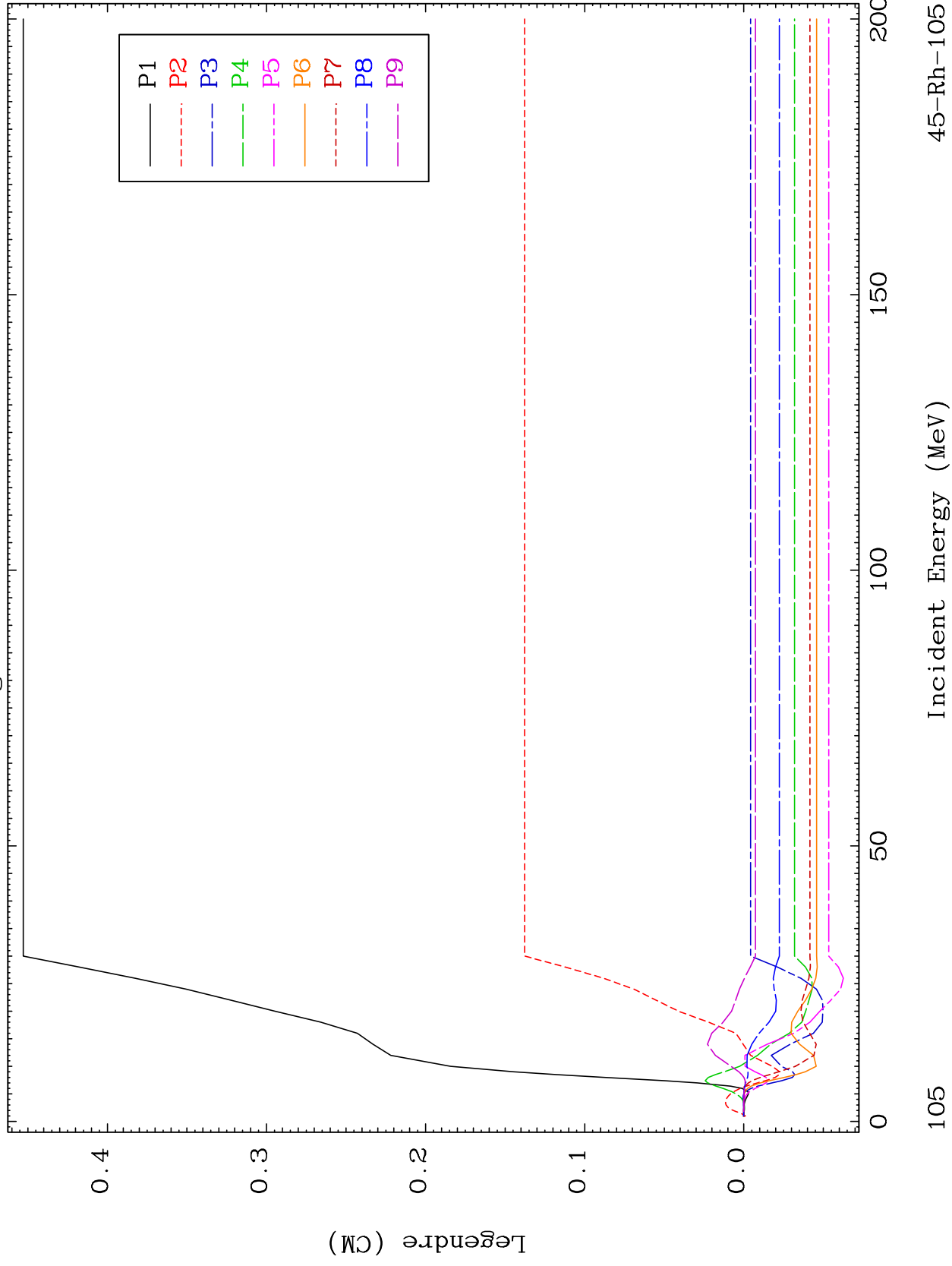




MAT 4531

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

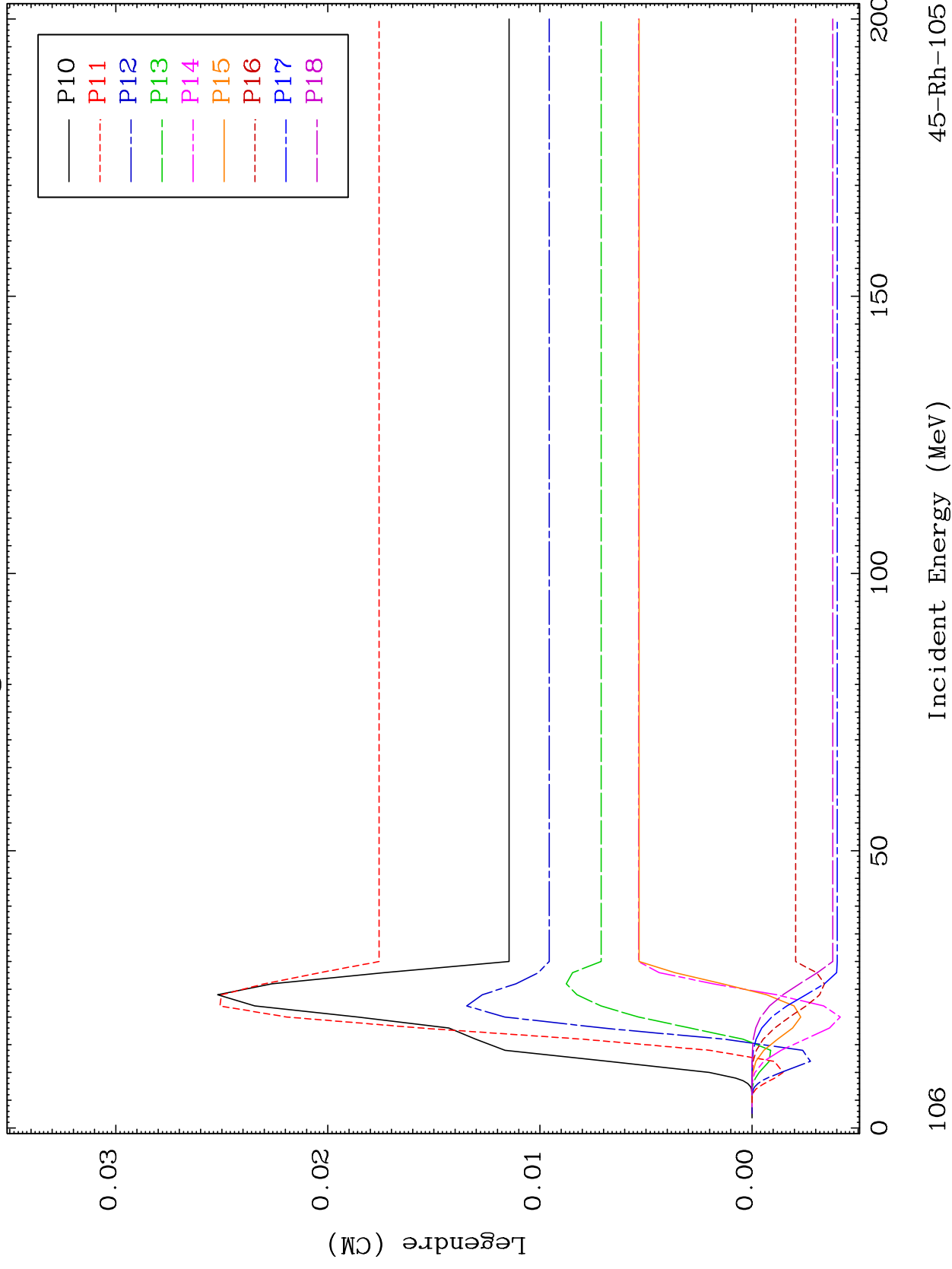
45-Rh-105



MAT 4531

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

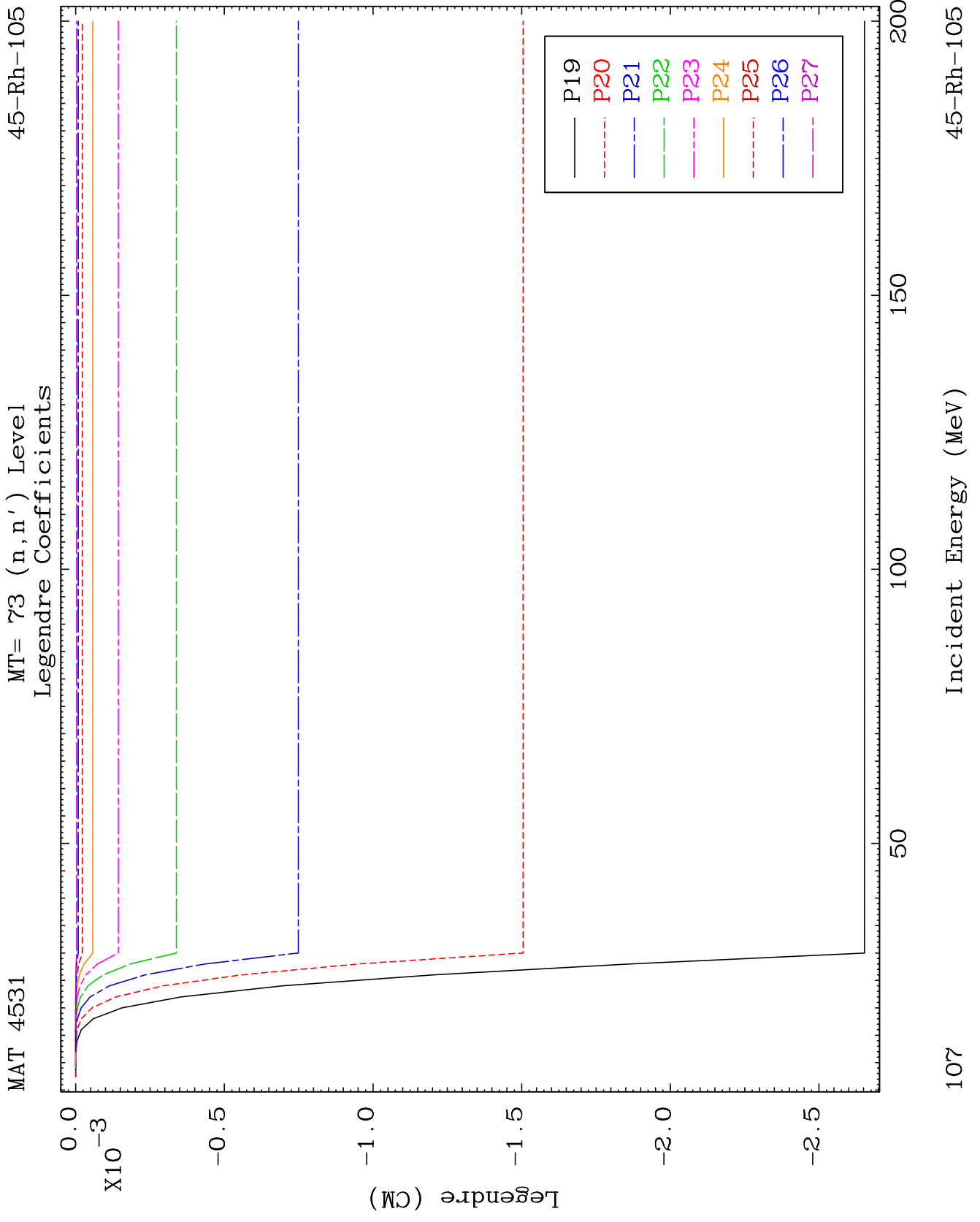
45-Rh-105

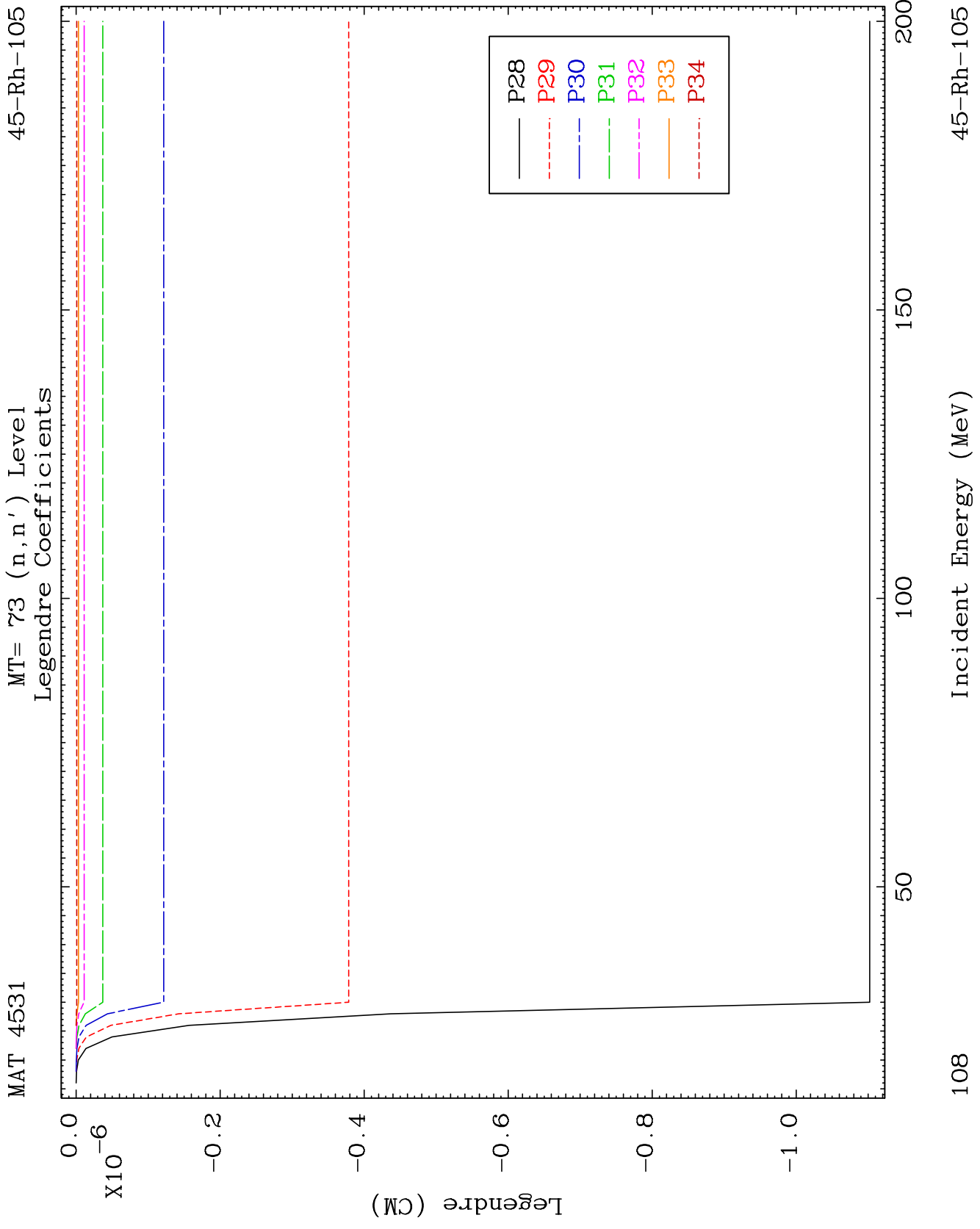


45-Rh-105

Incident Energy (MeV)

106



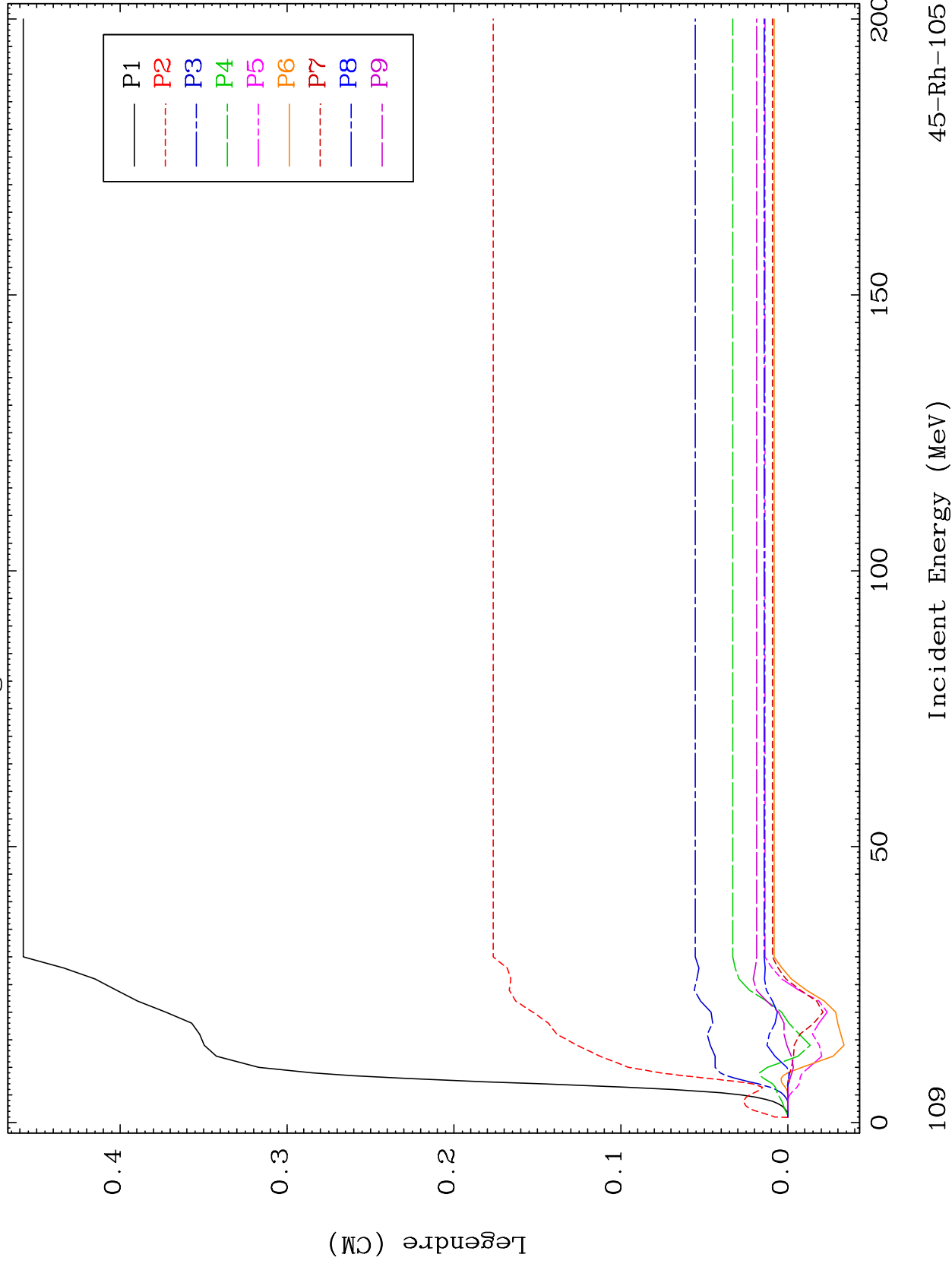


MAT 4531

MT= 74 (n,n') Level

45-Rh-105

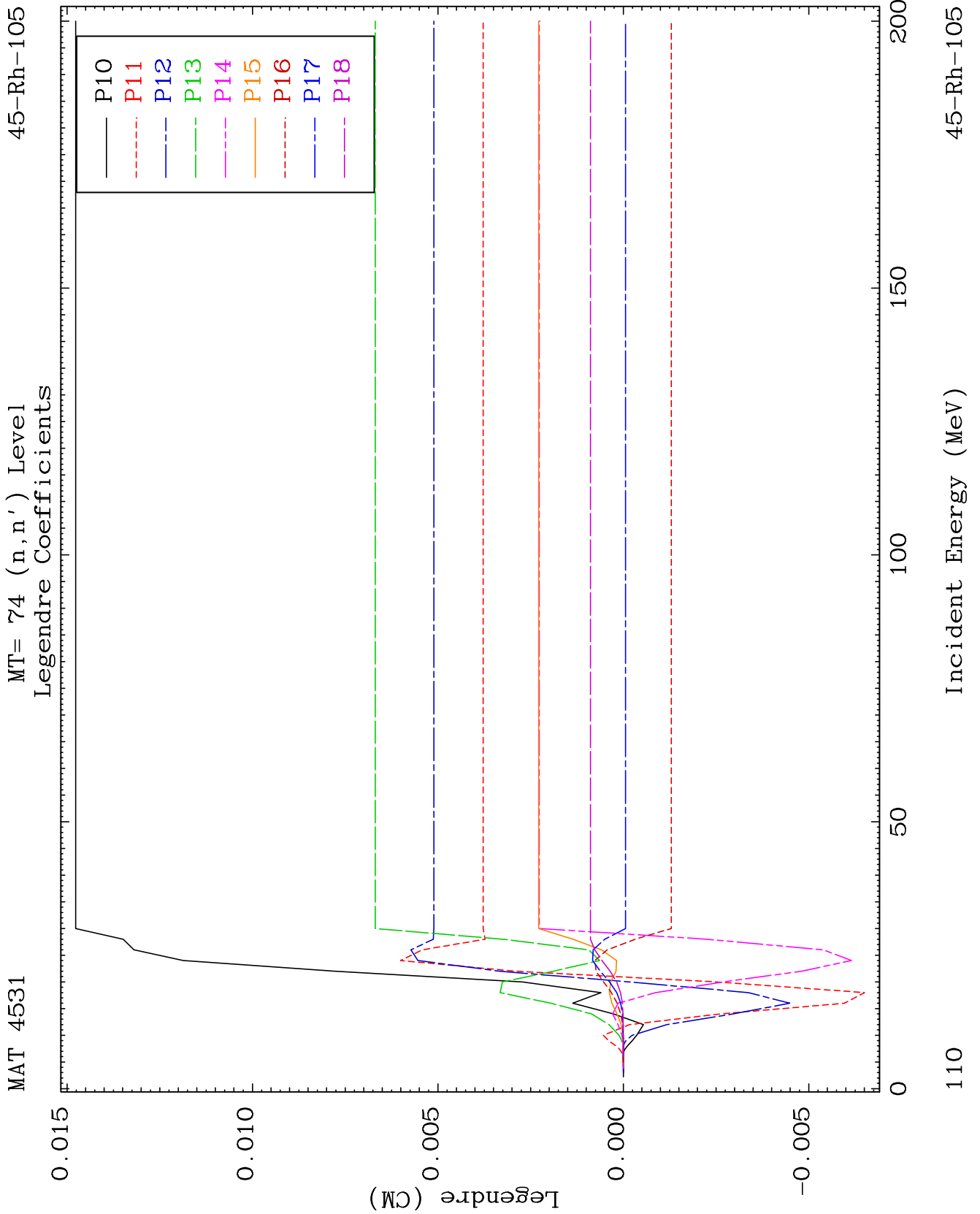
Legendre Coefficients



45-Rh-105

Incident Energy (MeV)

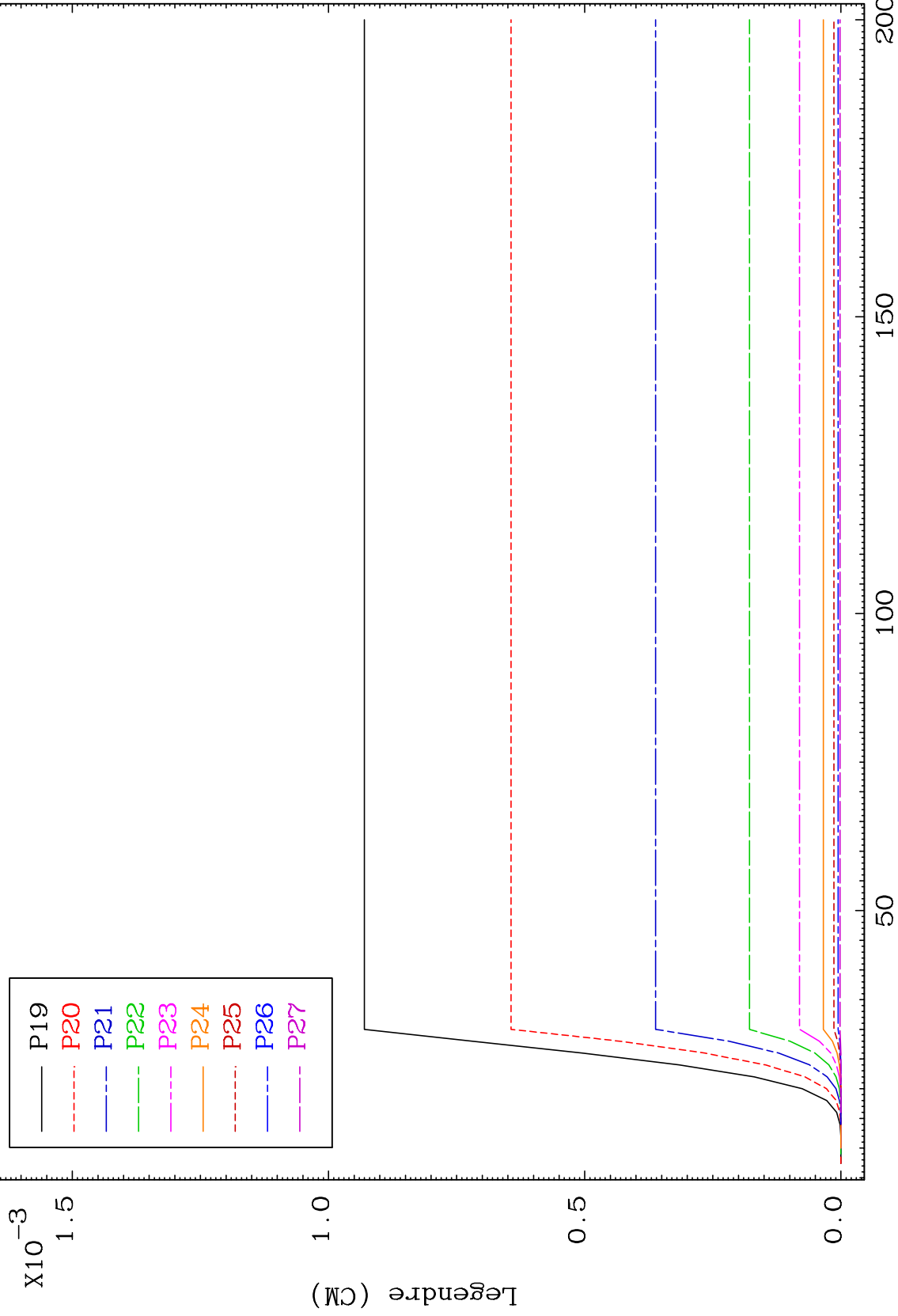
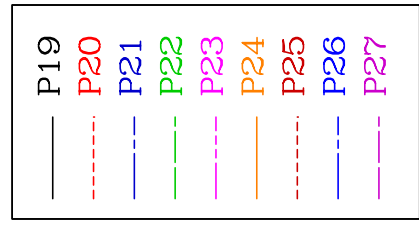
109



MAT 4531

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

45-Rh-105



111

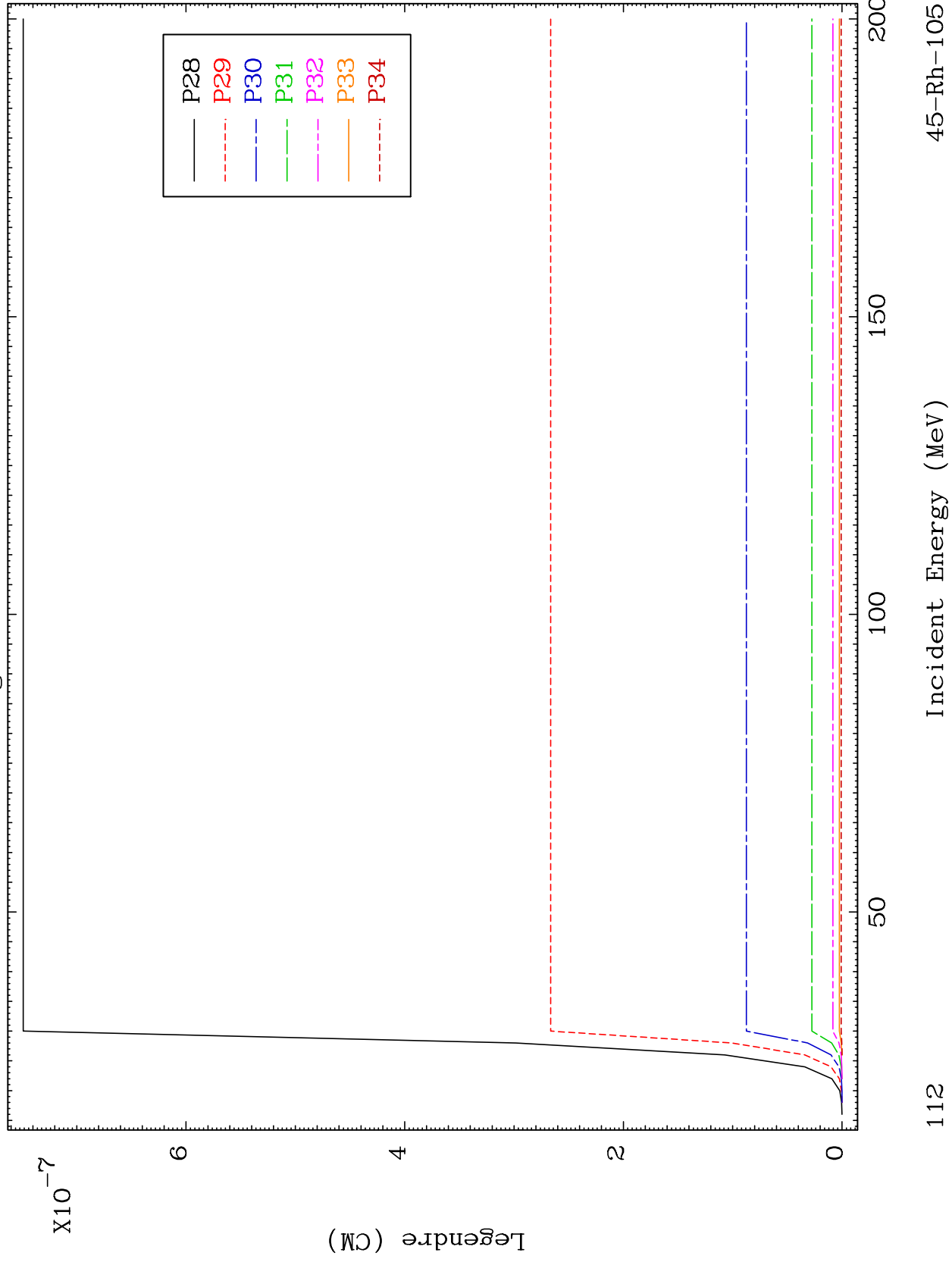
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



112

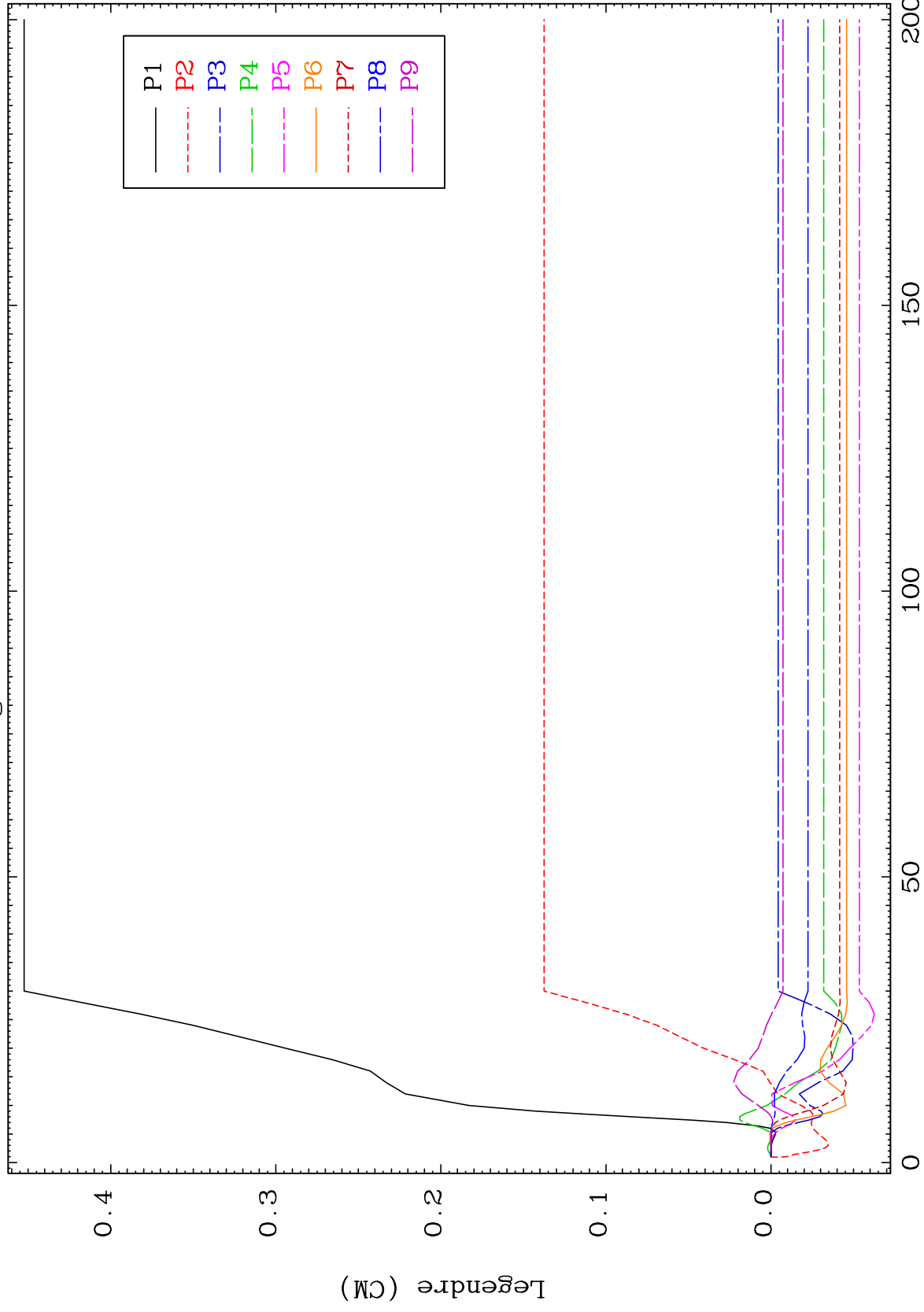
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



113

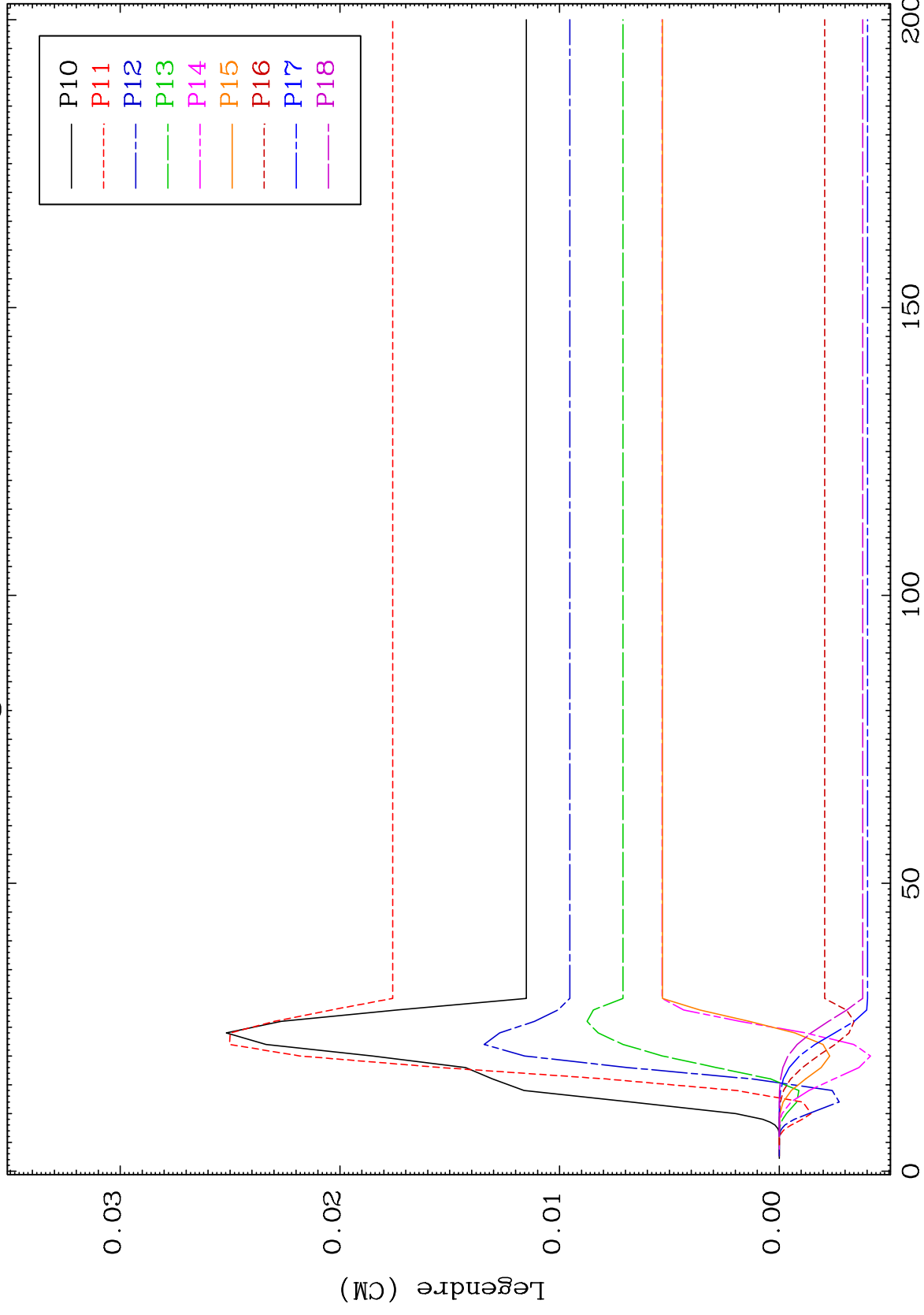
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

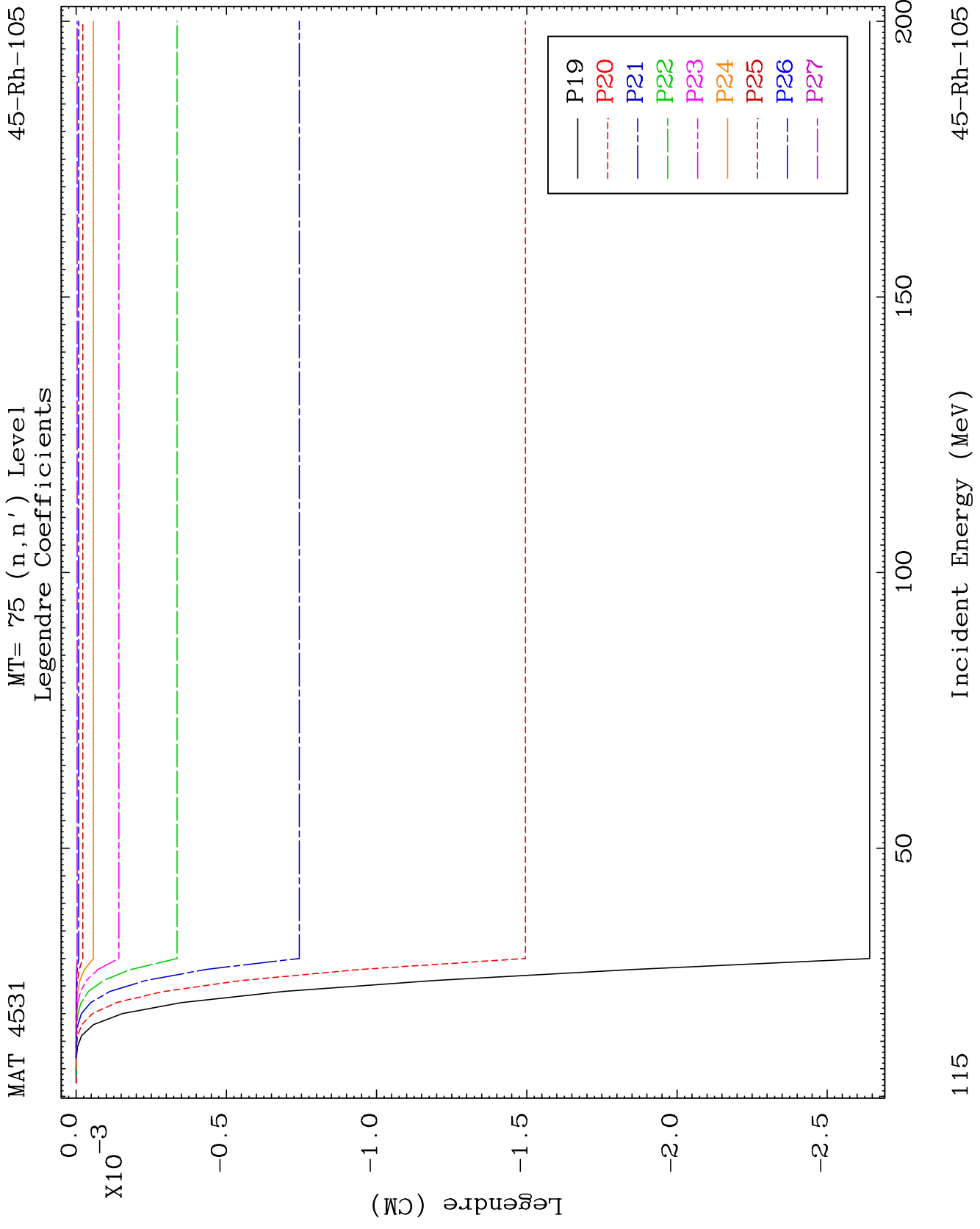
45-Rh-105

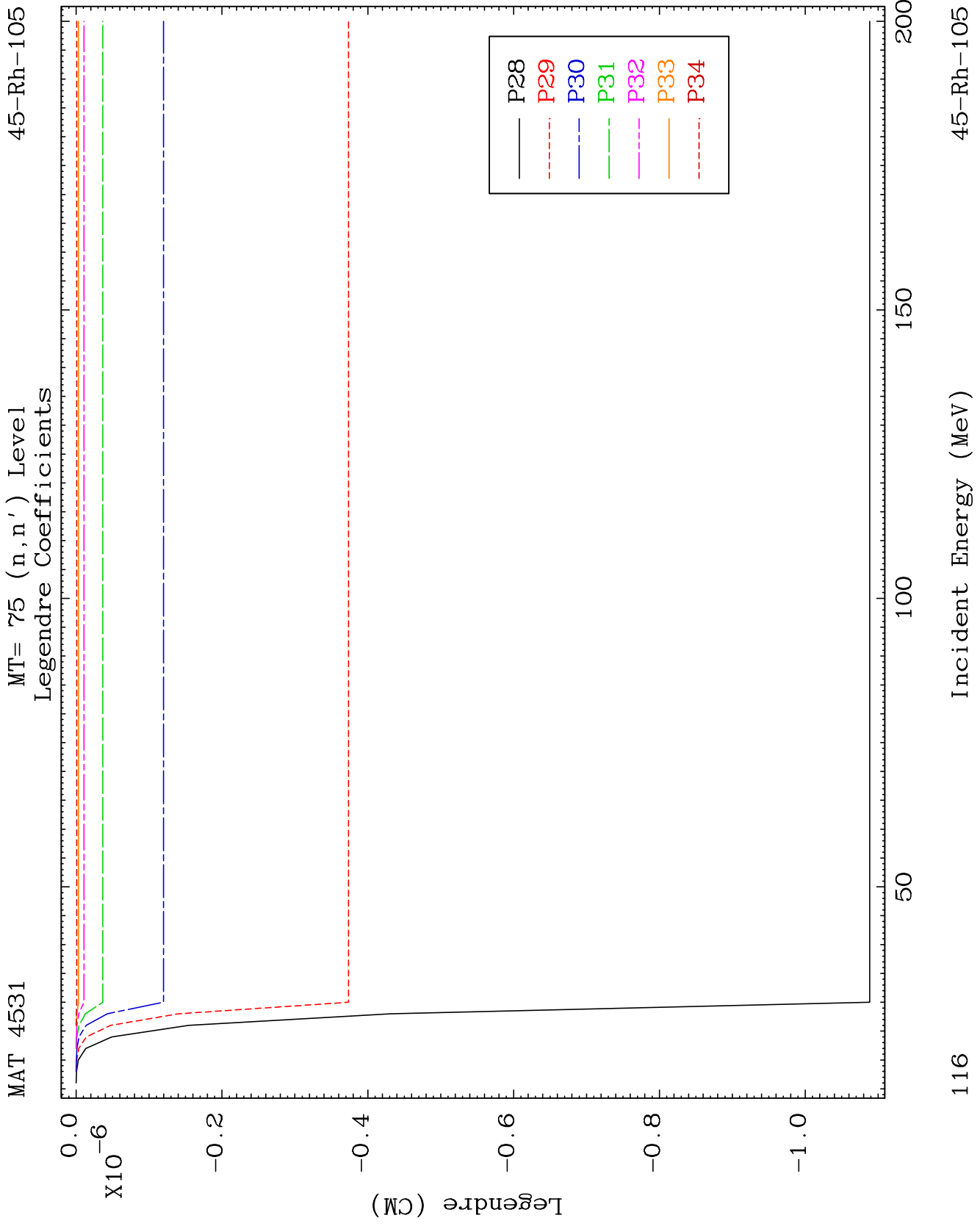


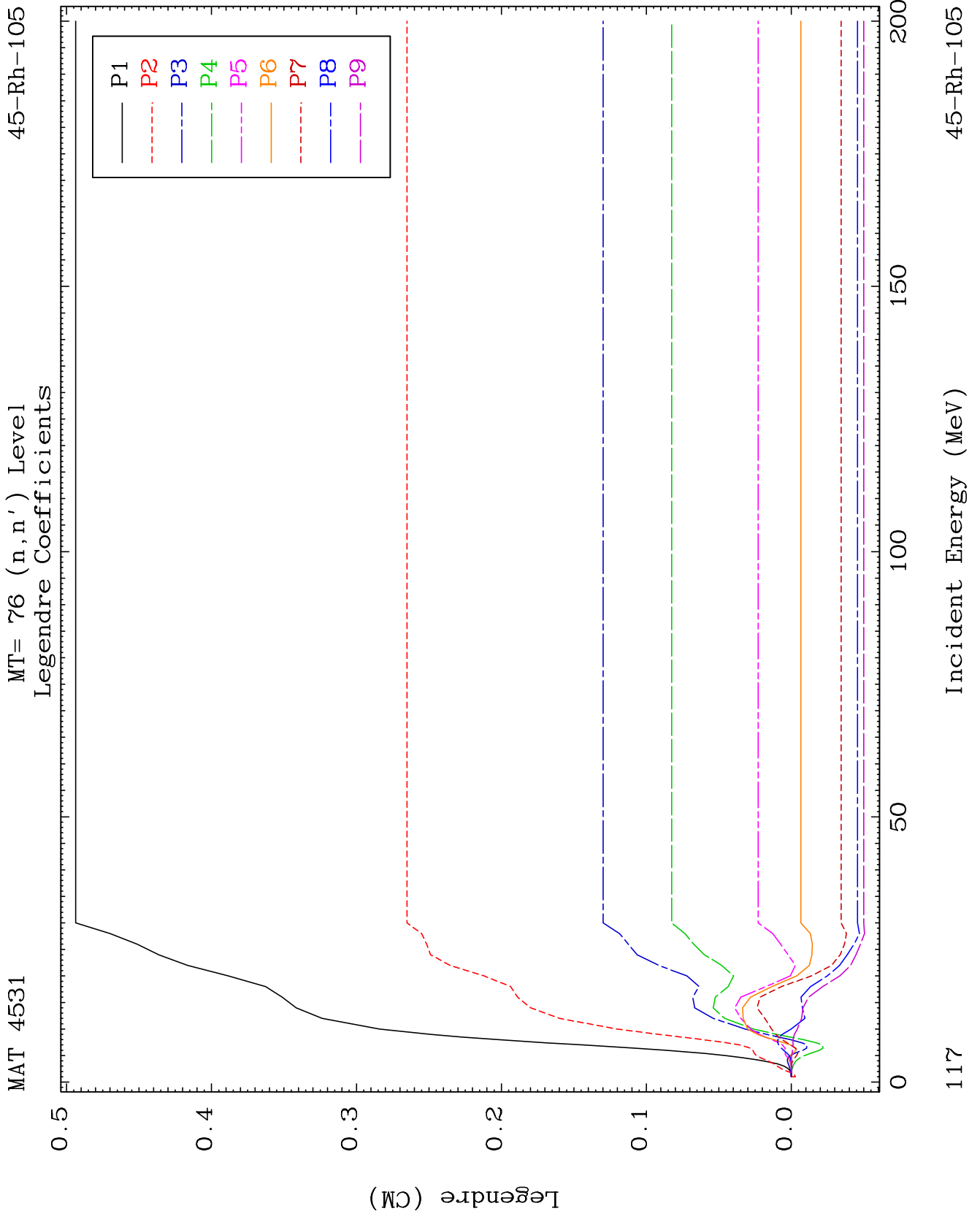
114

Incident Energy (MeV)

45-Rh-105



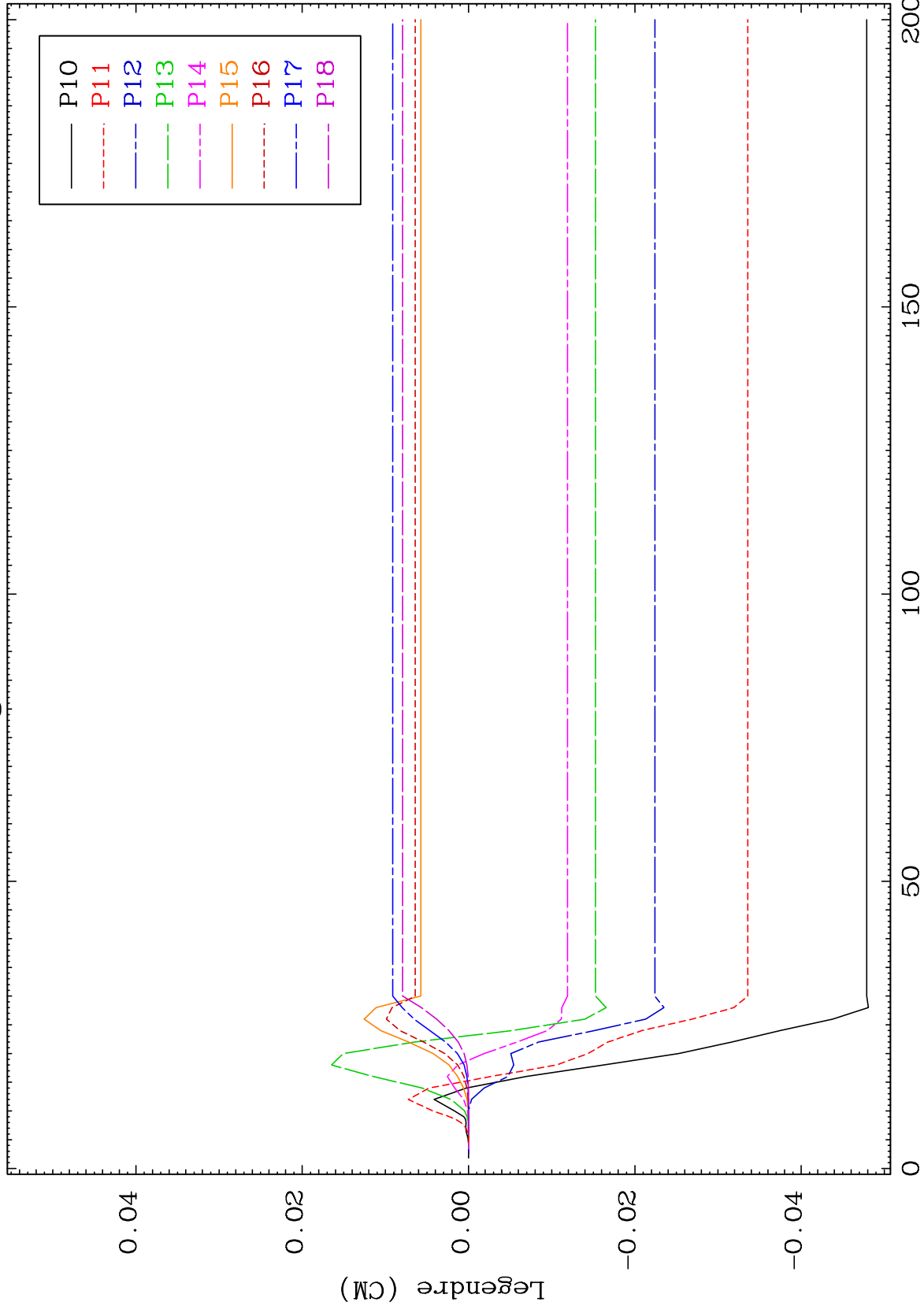




MAT 4531

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

45-Rh-105



118

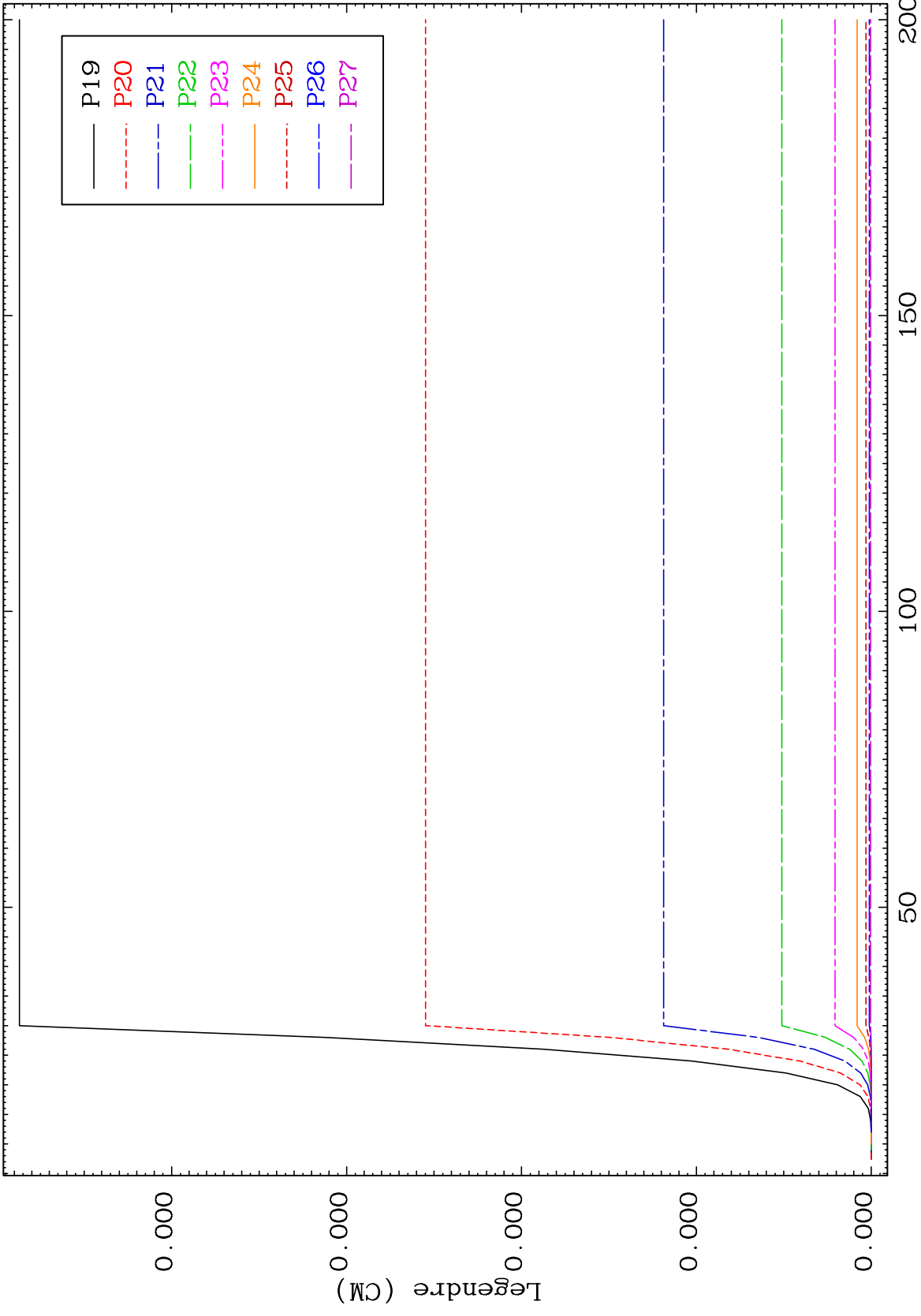
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



119

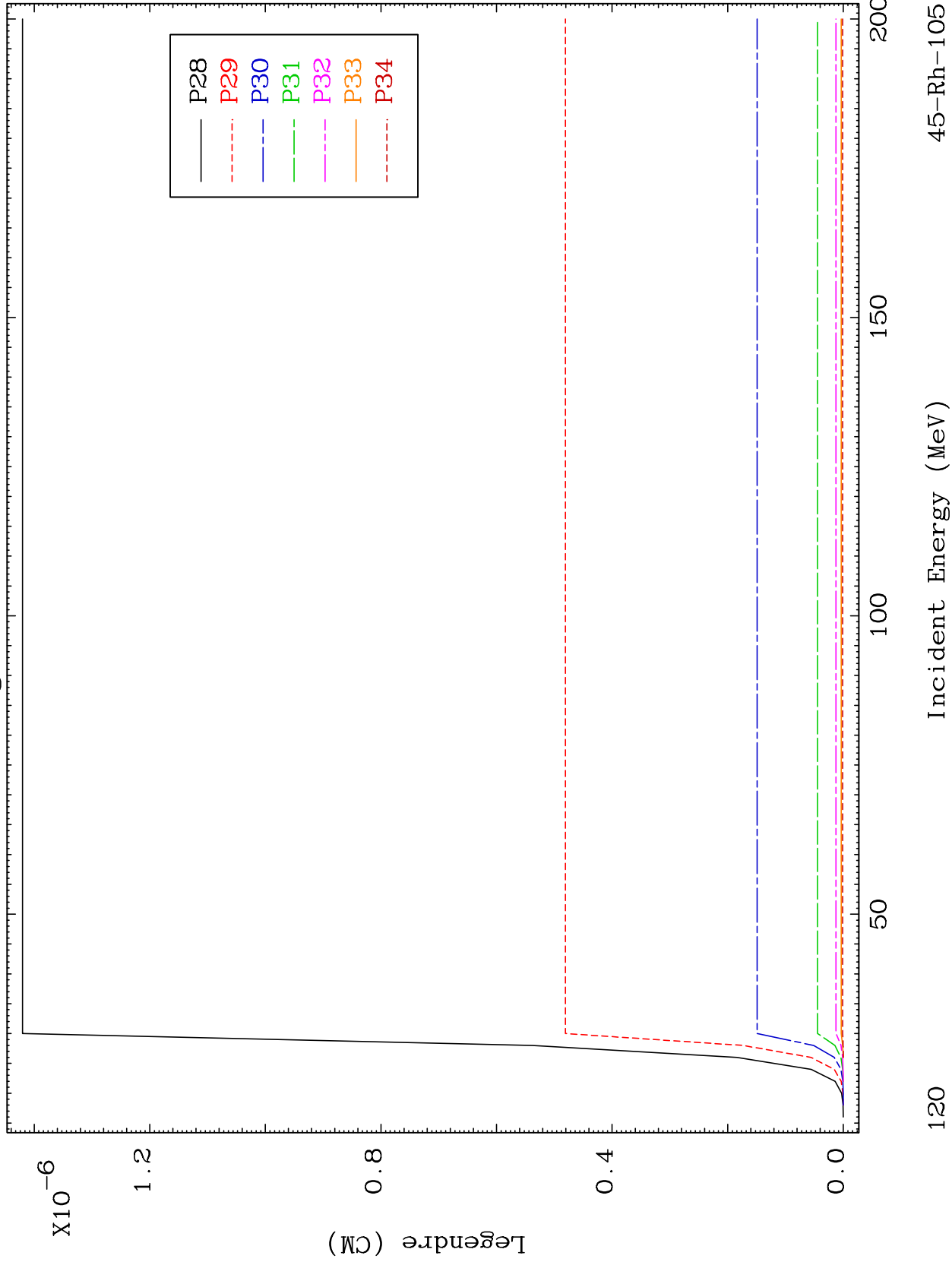
Incident Energy (MeV)

45-Rh-105

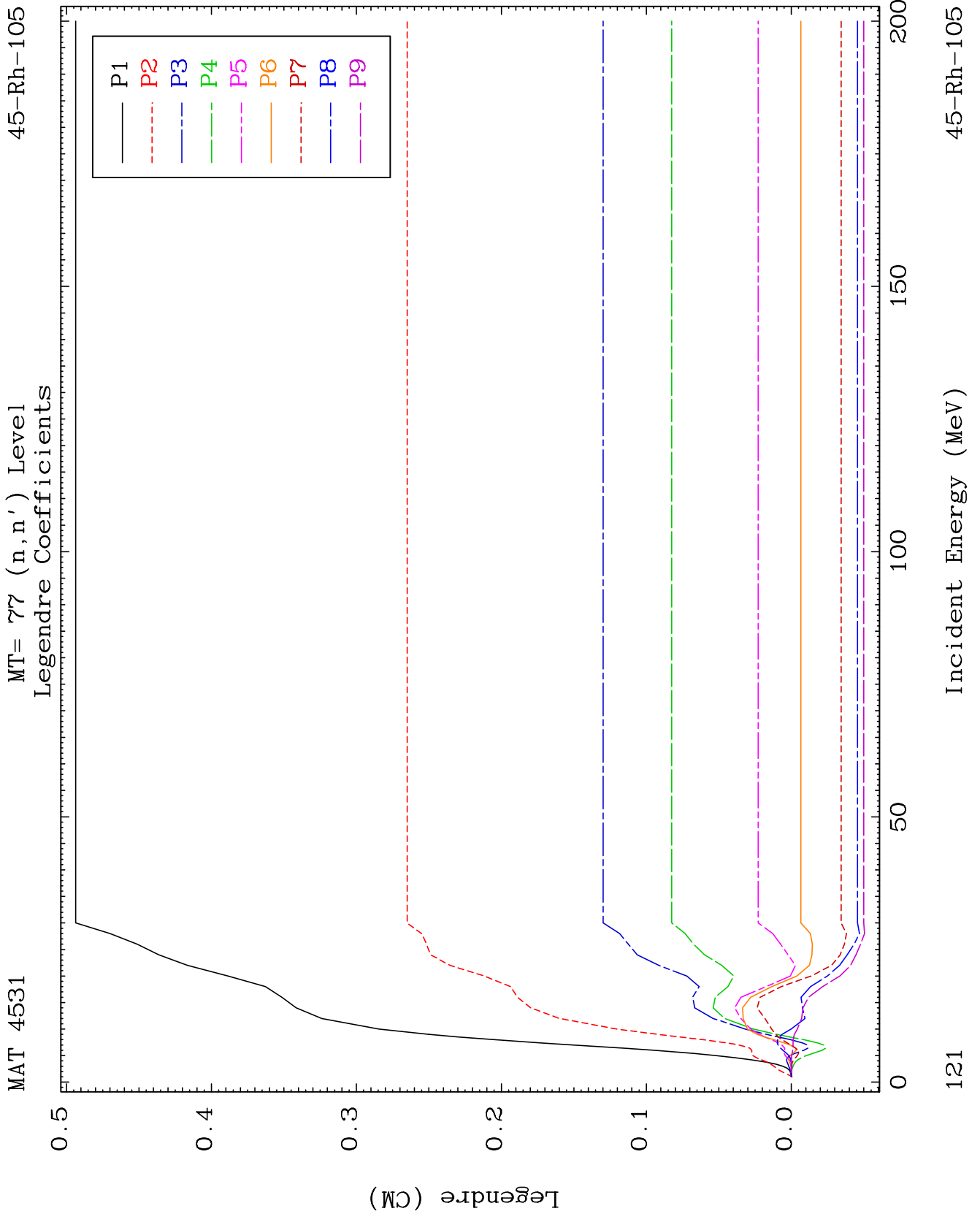
MAT 4531

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

45-Rh-105



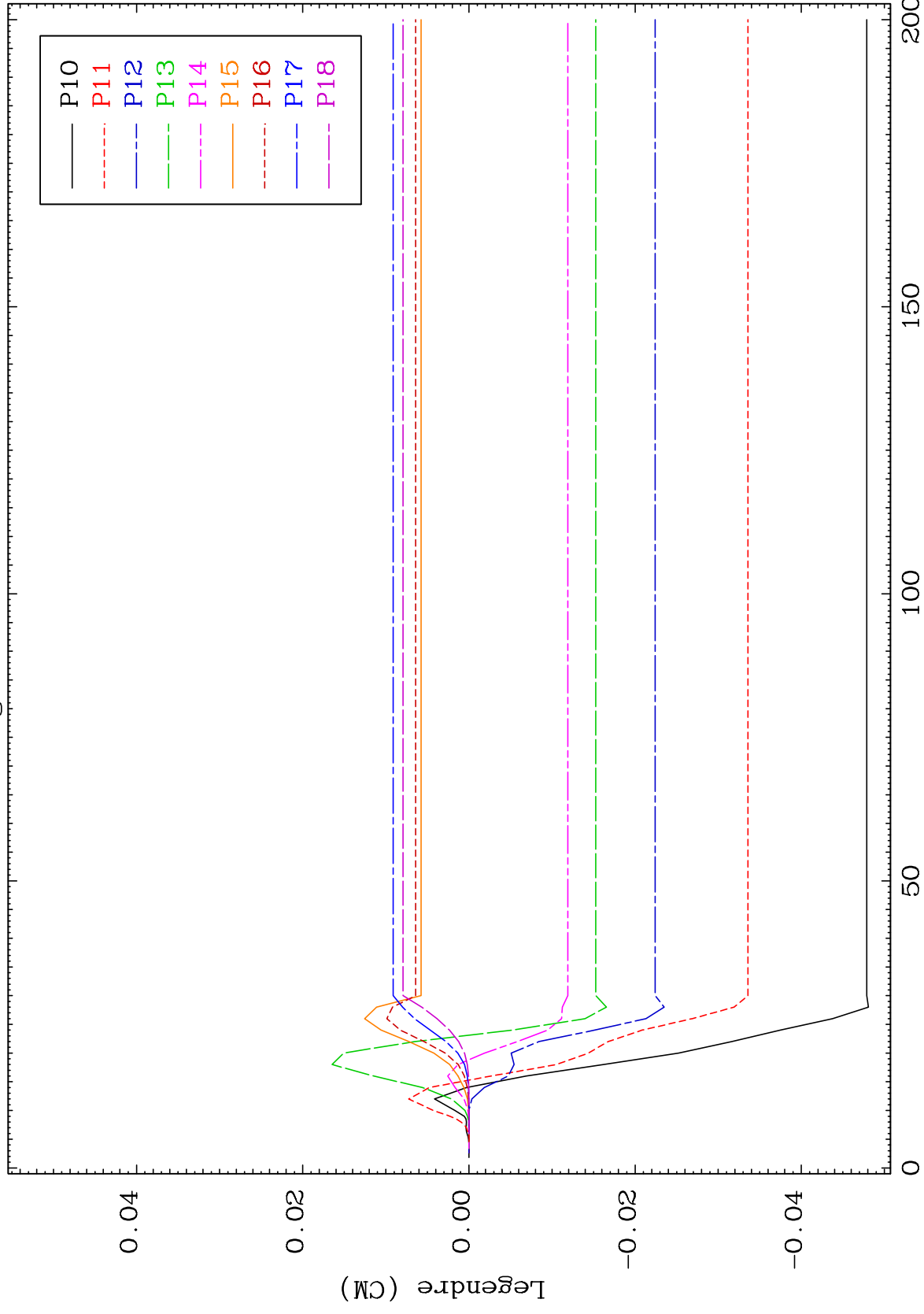
45-Rh-105



MAT 4531

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

45-Rh-105



122

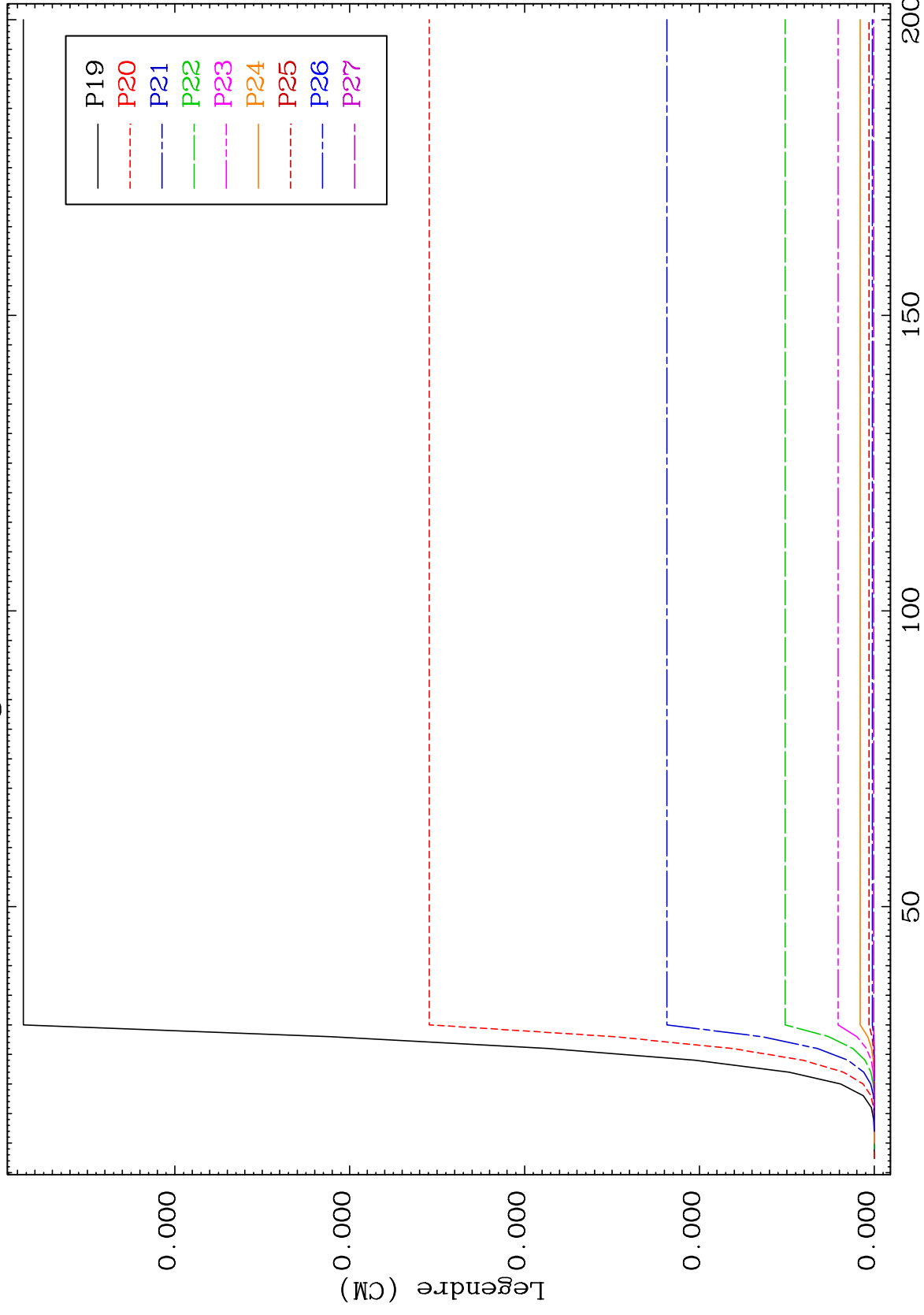
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

45-Rh-105



123

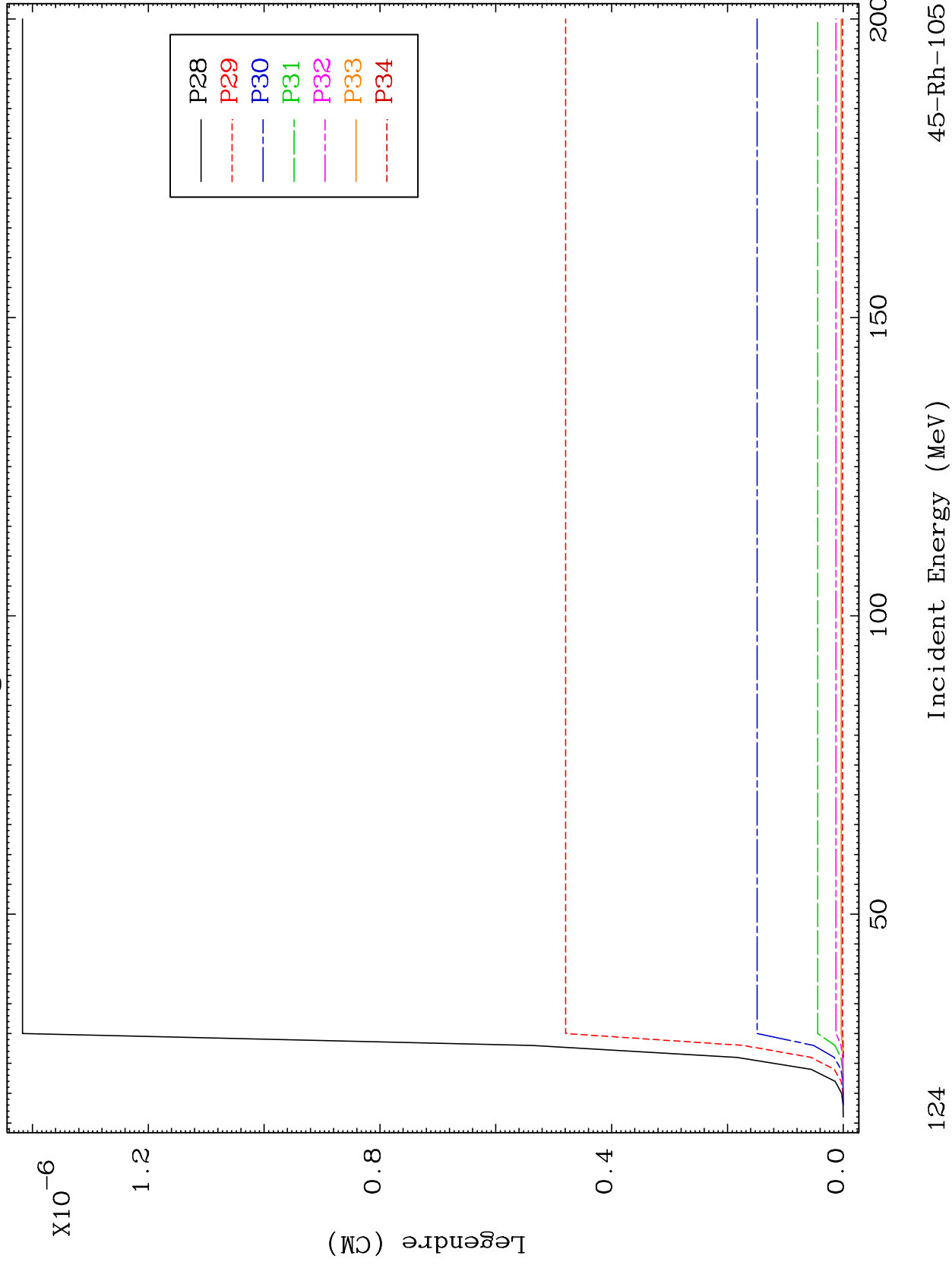
Incident Energy (MeV)

45-Rh-105

MAT 4531

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

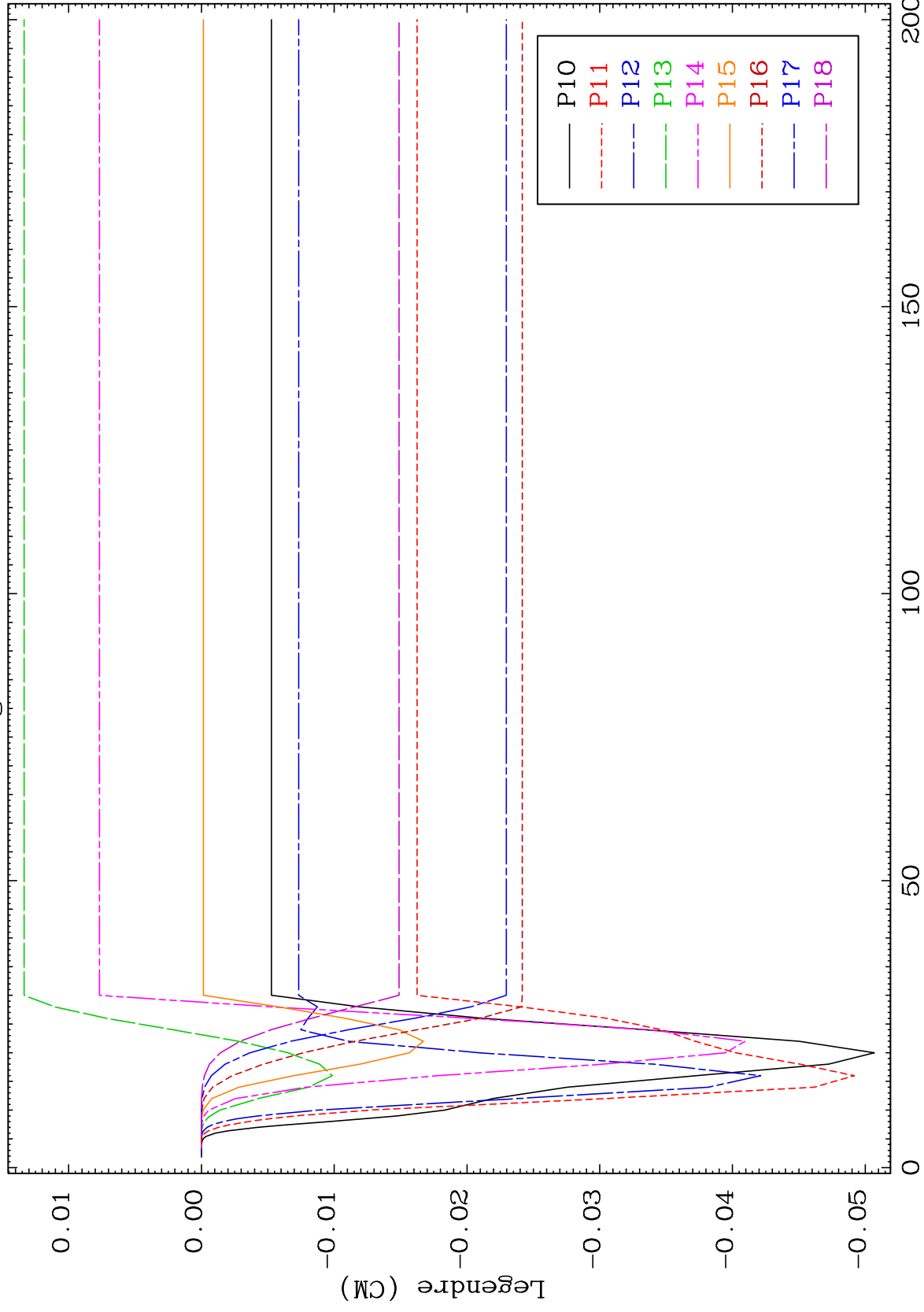
45-Rh-105



MAT 4531

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

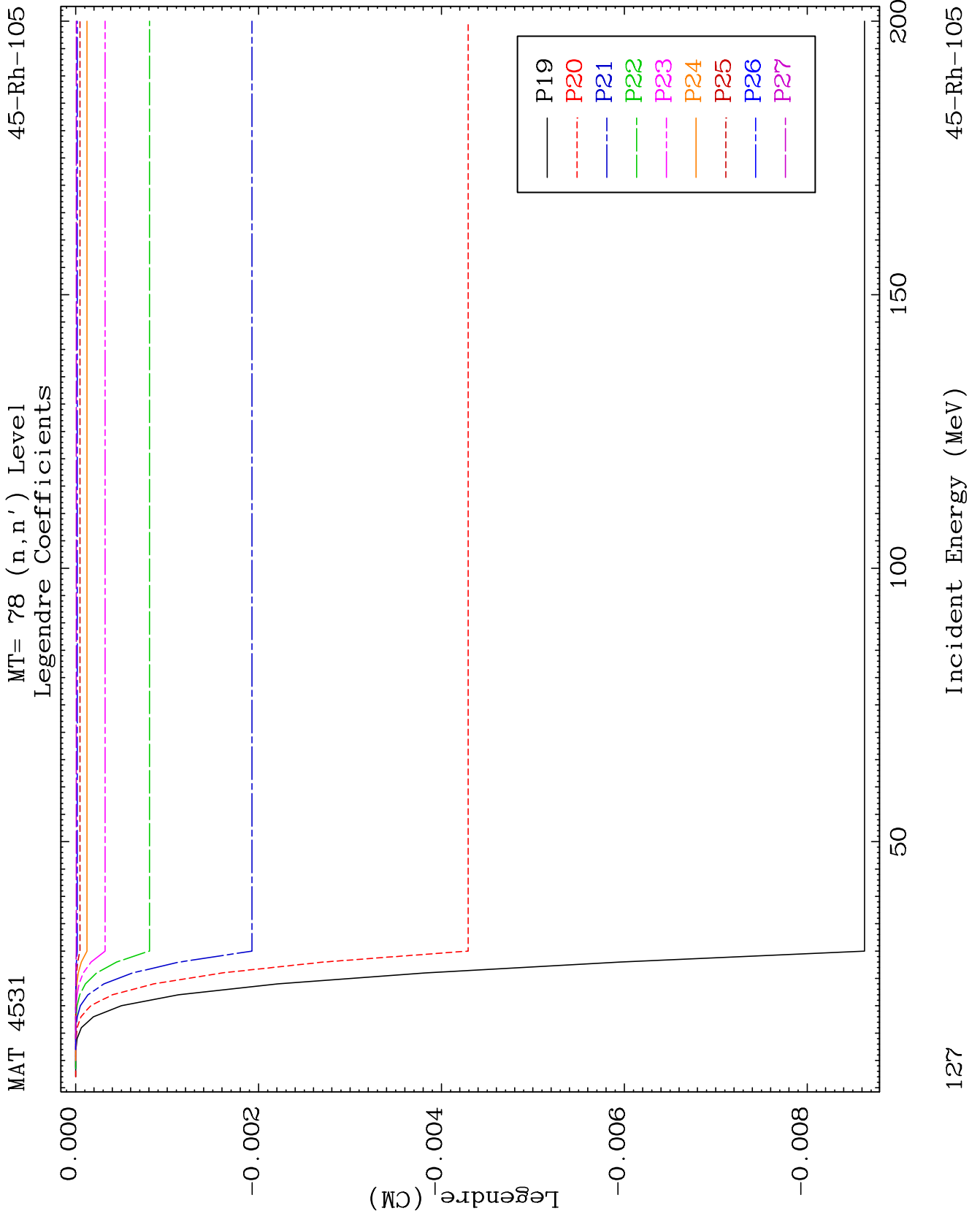
45-Rh-105

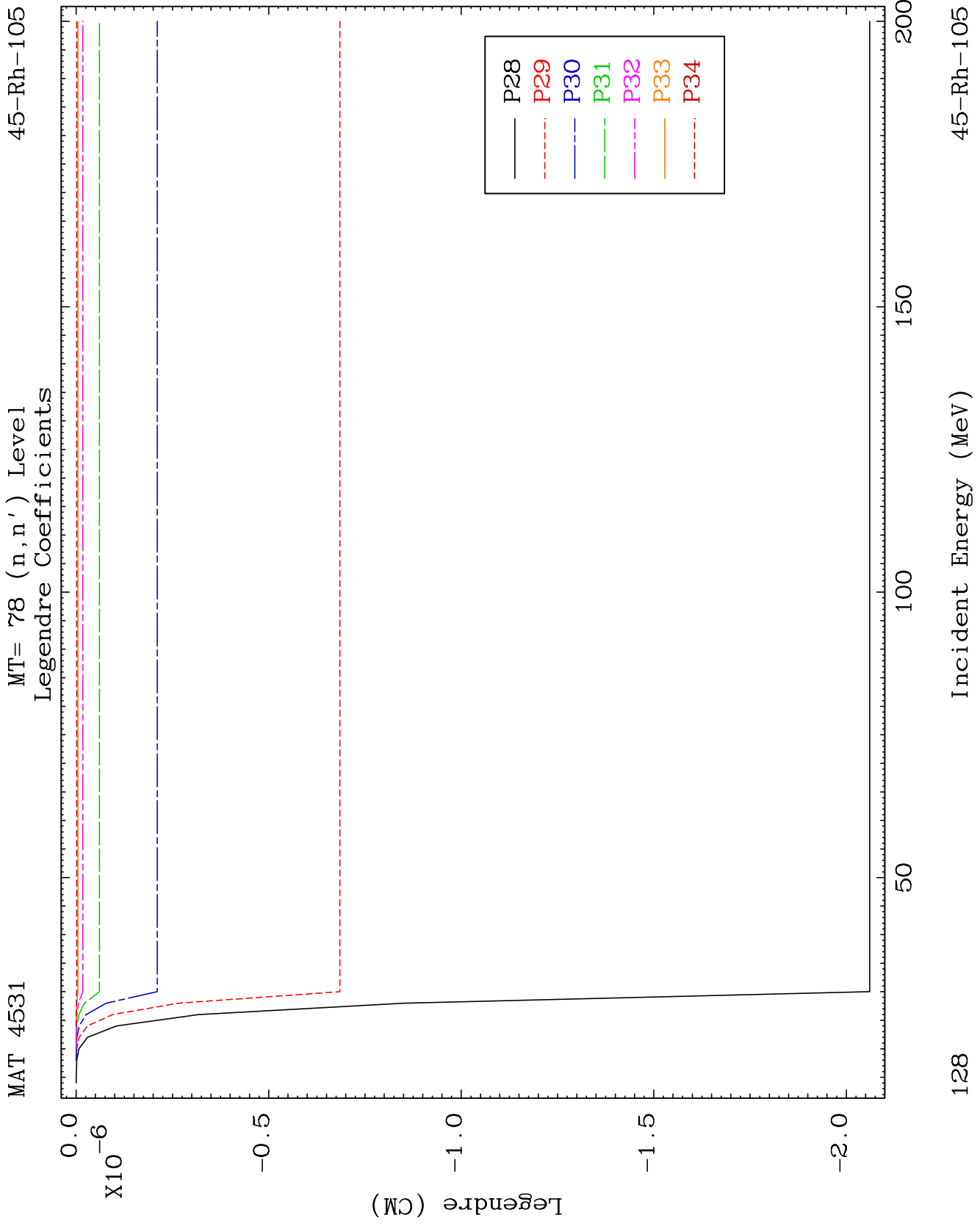


126

Incident Energy (MeV)

45-Rh-105

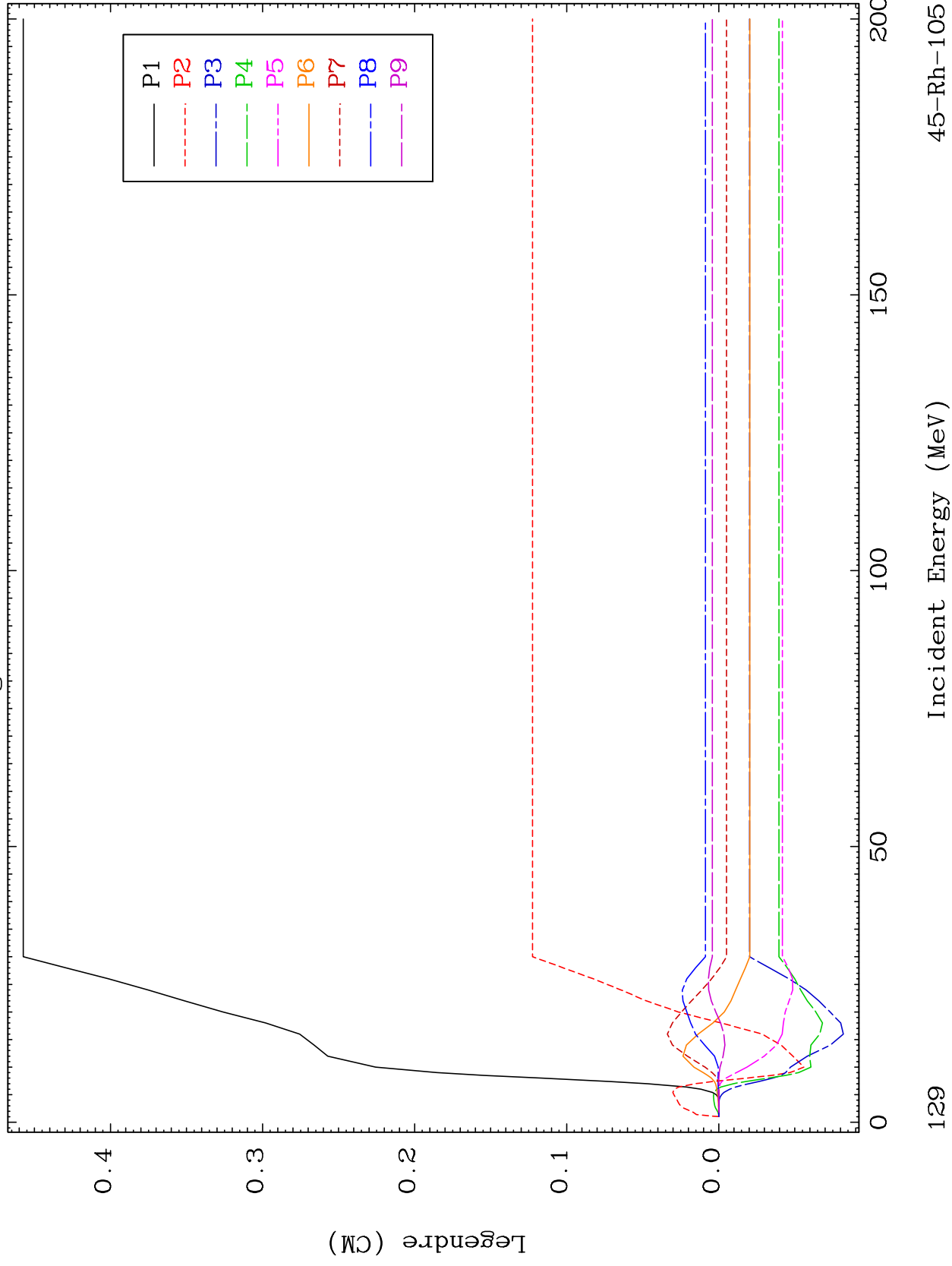




MAT 4531

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

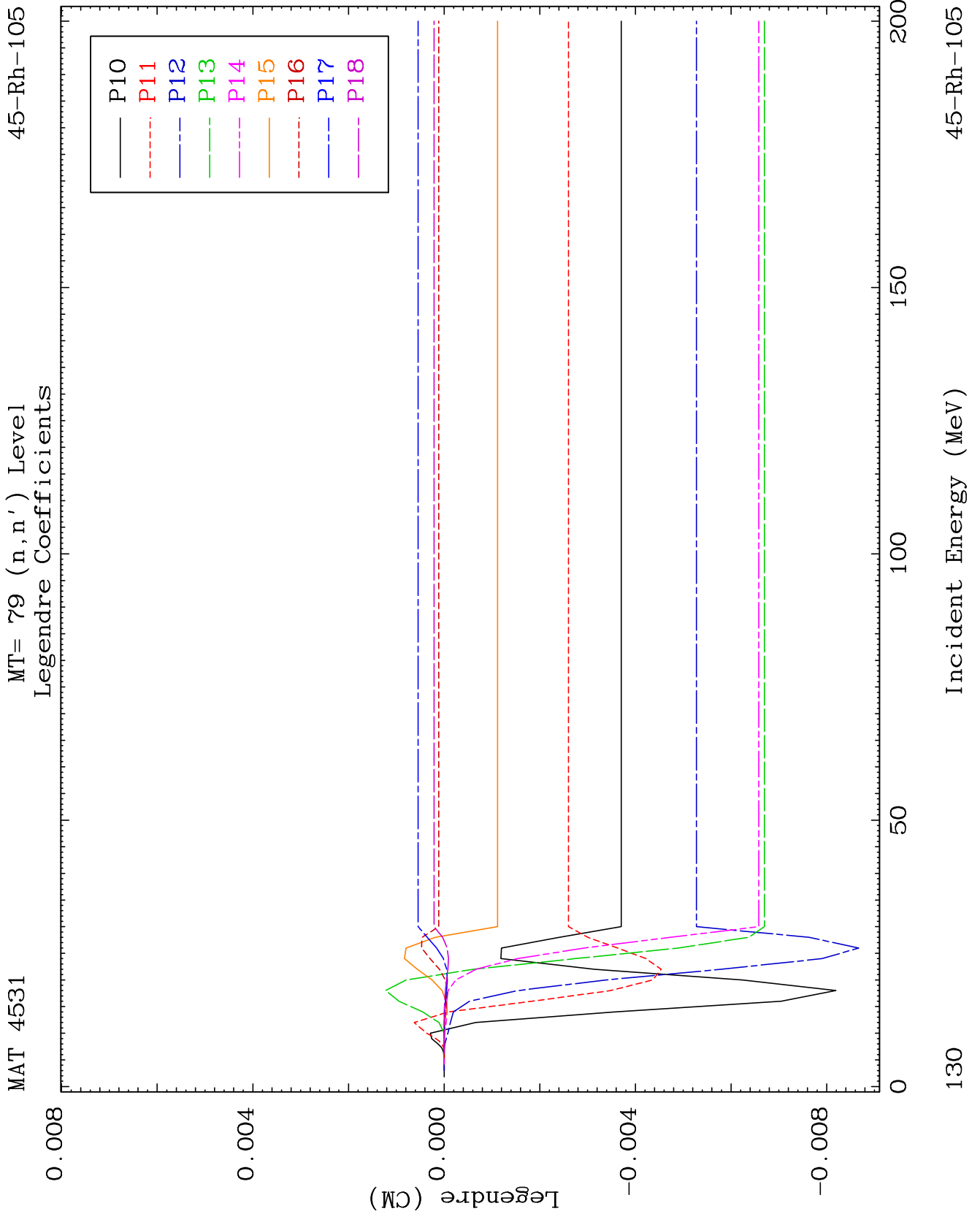
45-Rh-105



129

Incident Energy (MeV)

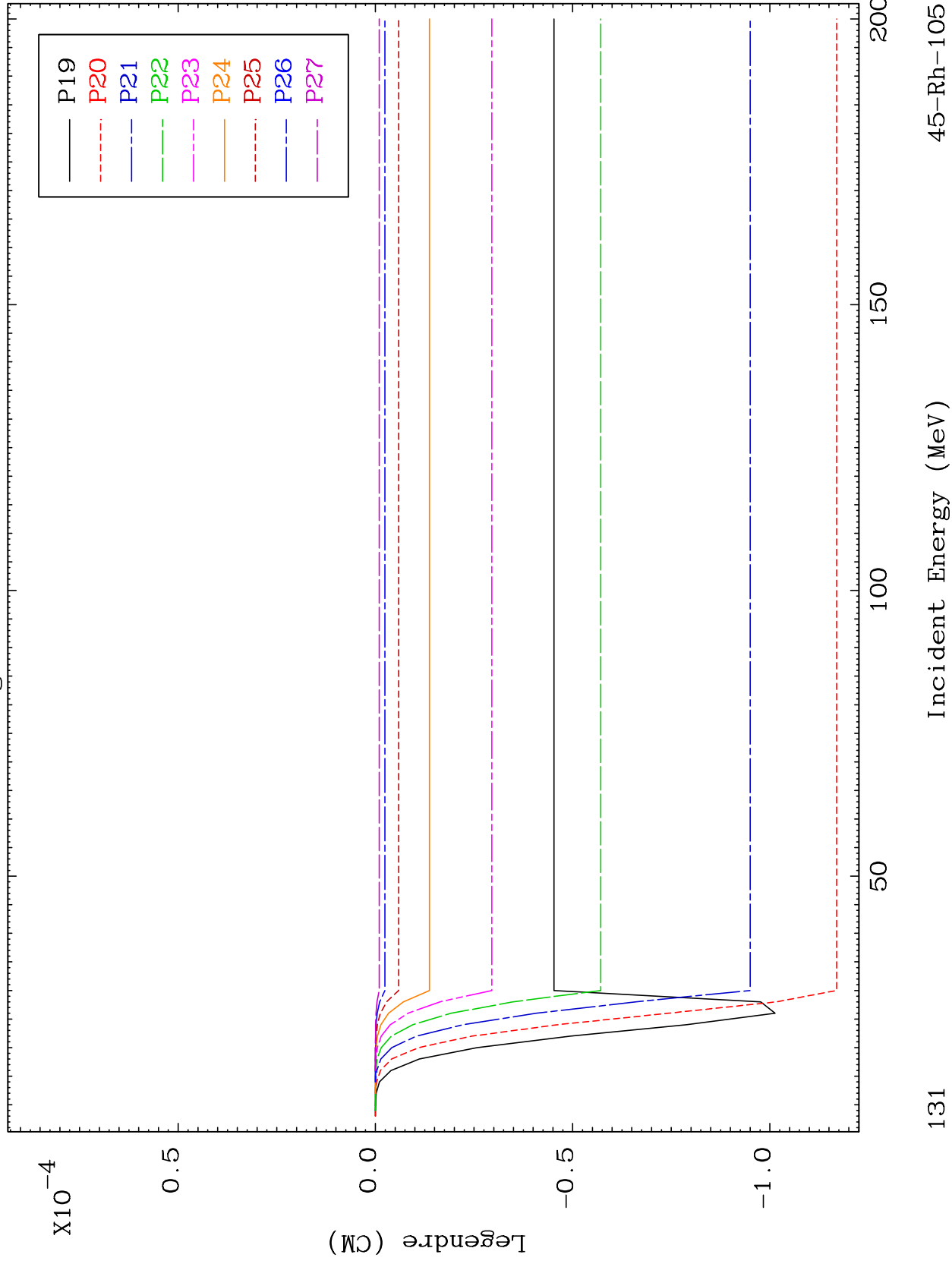
45-Rh-105



MAT 4531

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

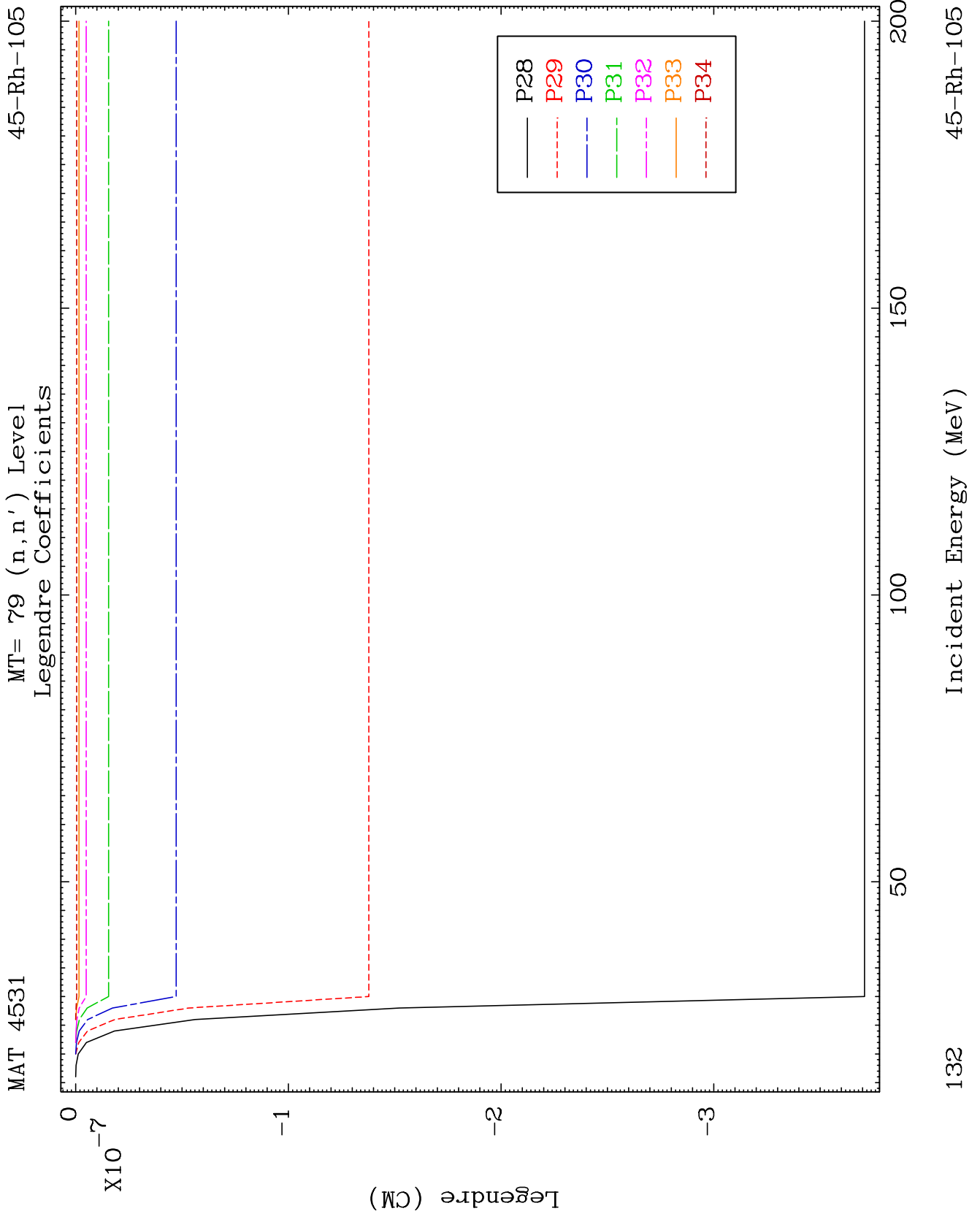
45-Rh-105



131

Incident Energy (MeV)

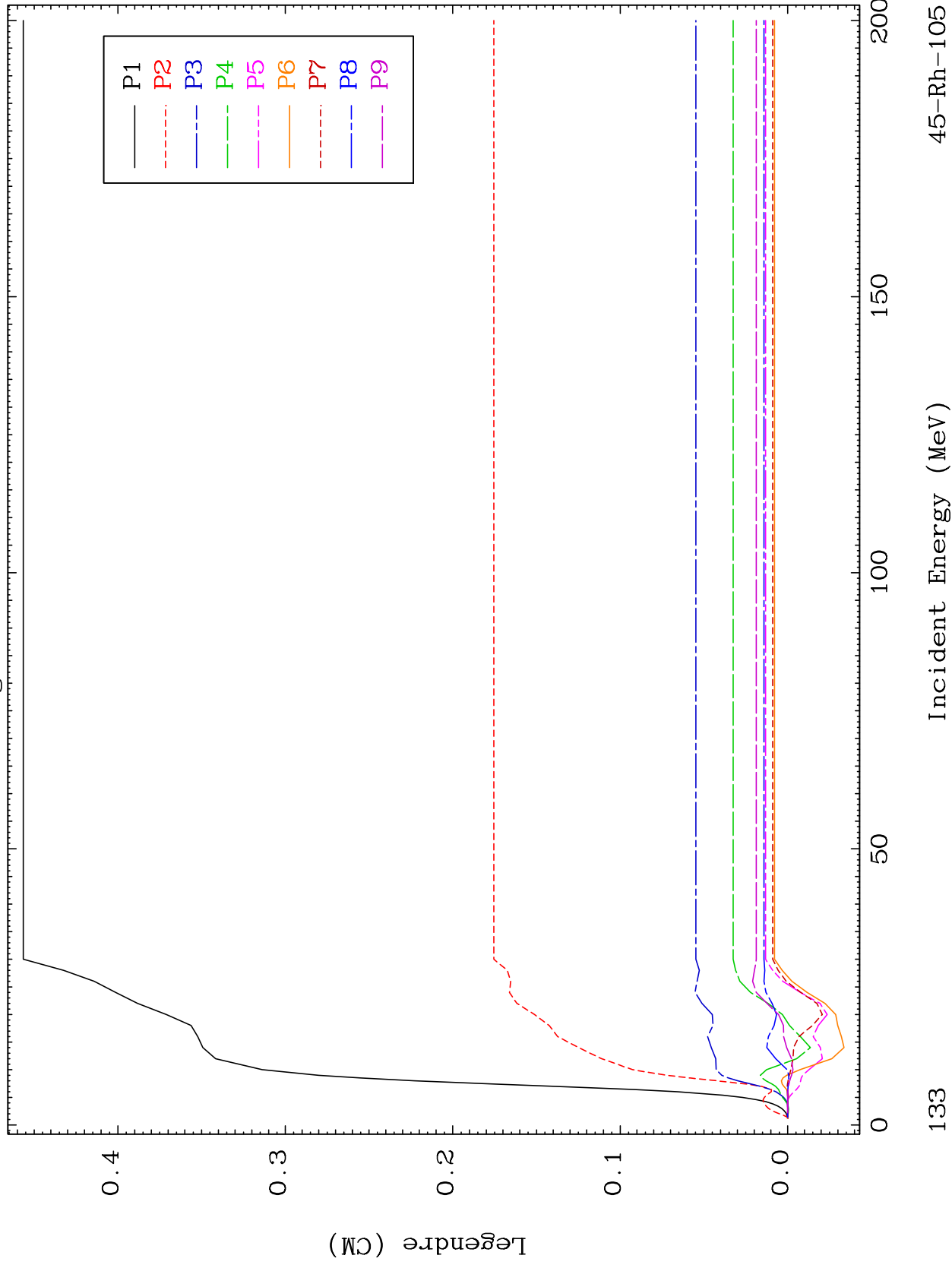
45-Rh-105



MAT 4531

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

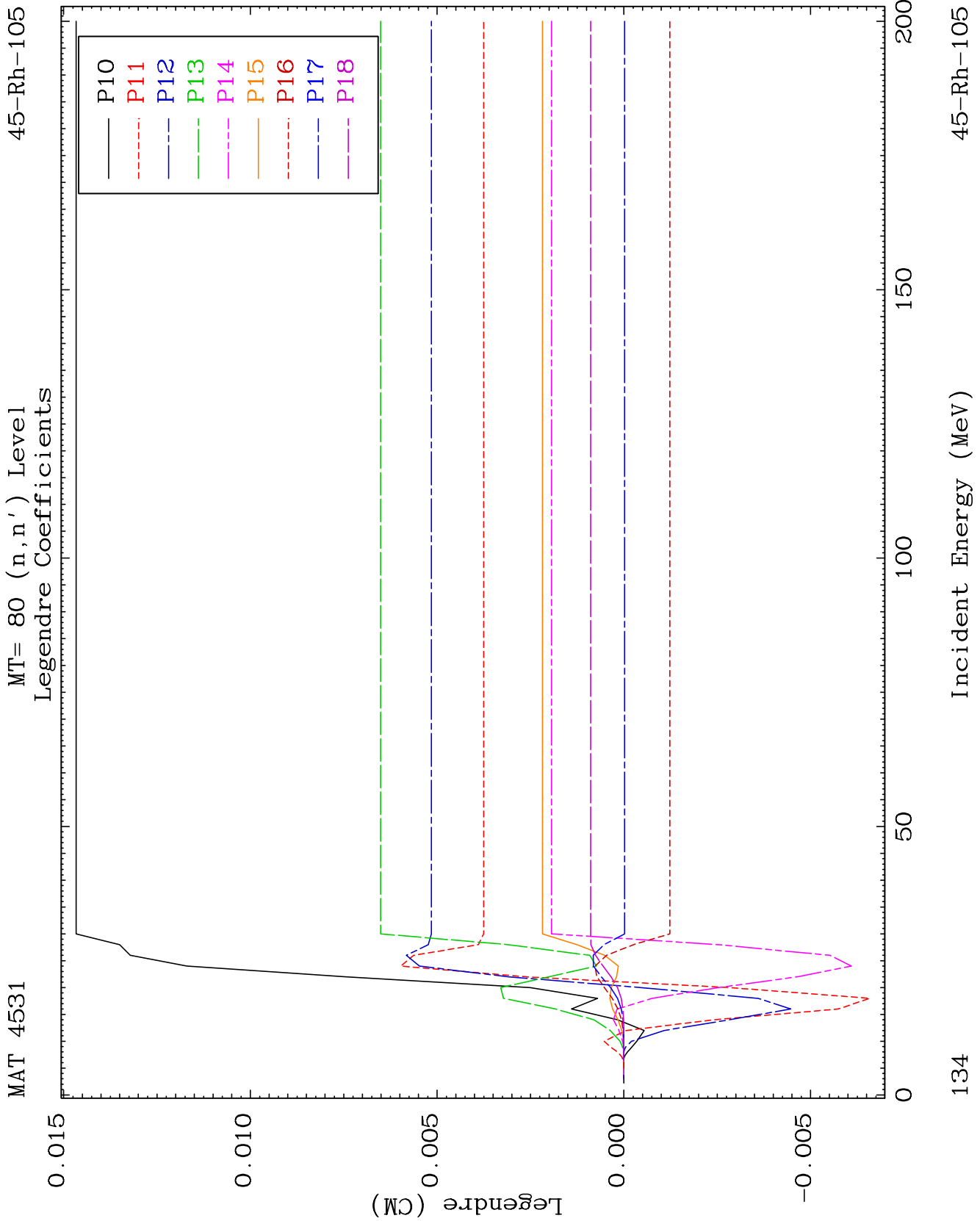
45-Rh-105



133

Incident Energy (MeV)

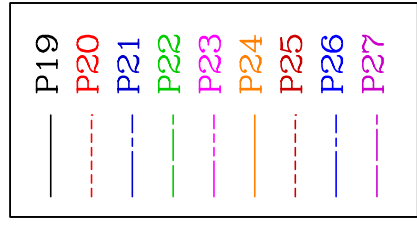
45-Rh-105



MAT 4531

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

45-Rh-105



$\times 10^{-3}$
1.5

Legendre (CM)

1.0

0.5

0.0

50

100

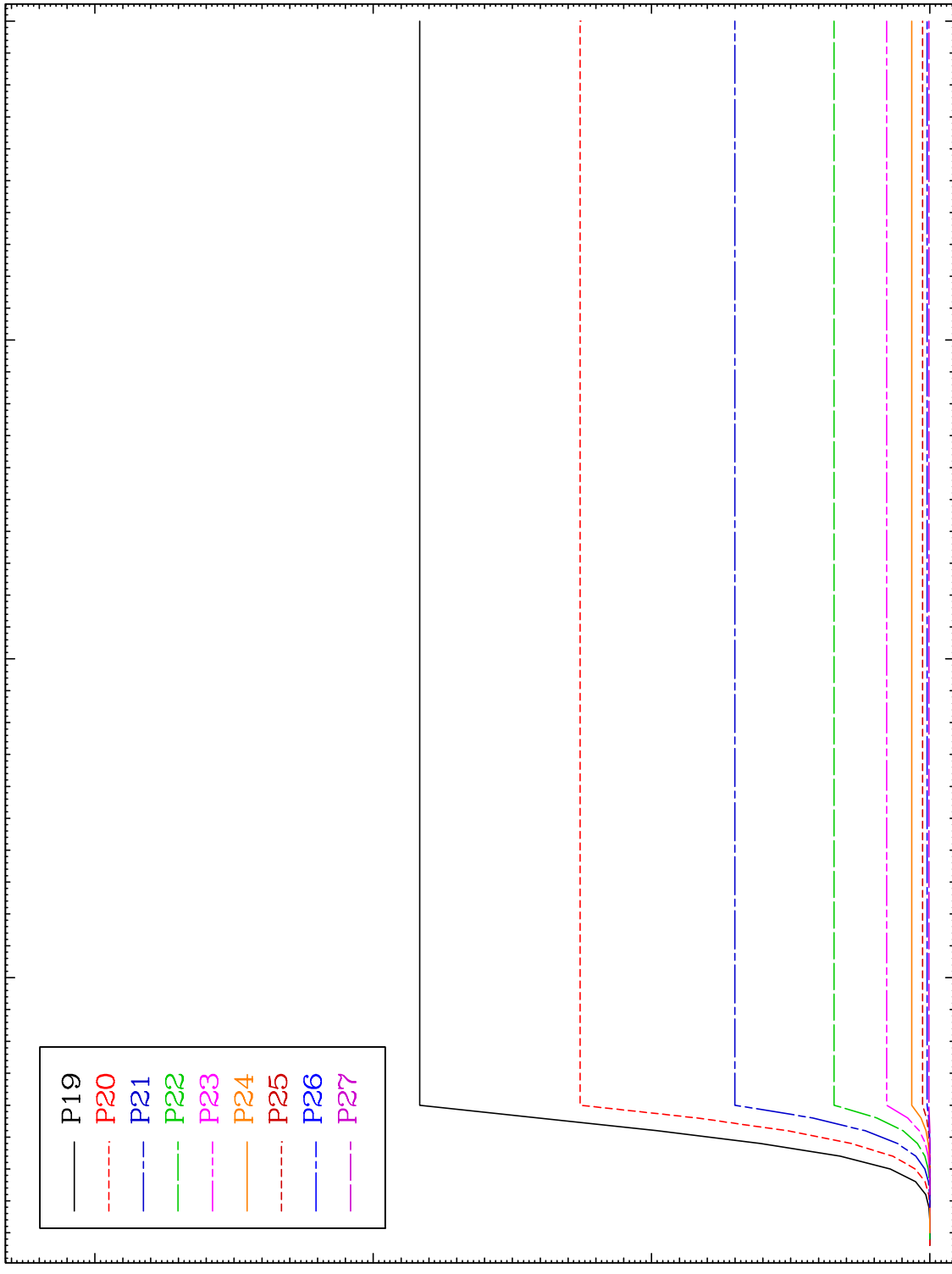
150

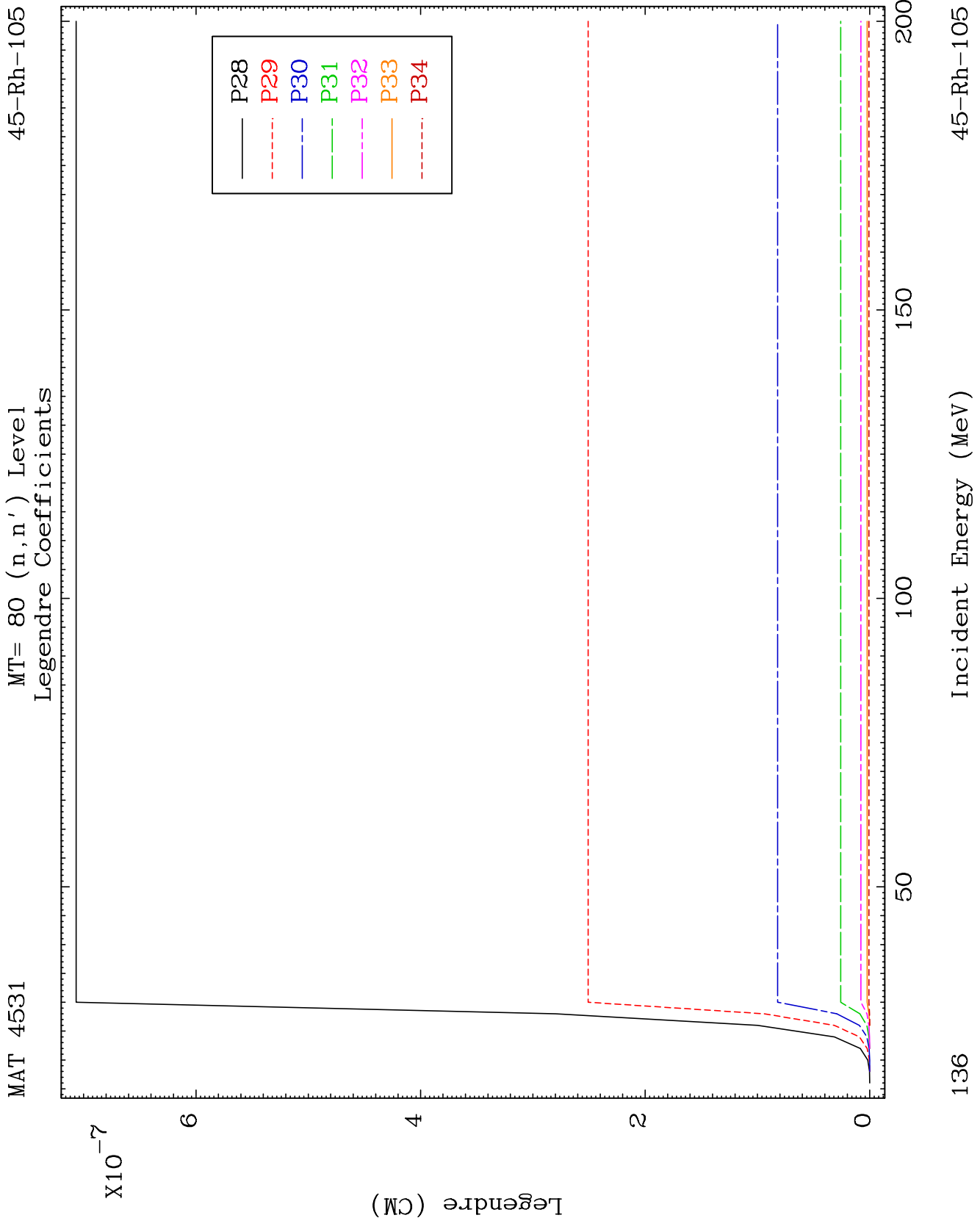
200

135

Incident Energy (MeV)

45-Rh-105

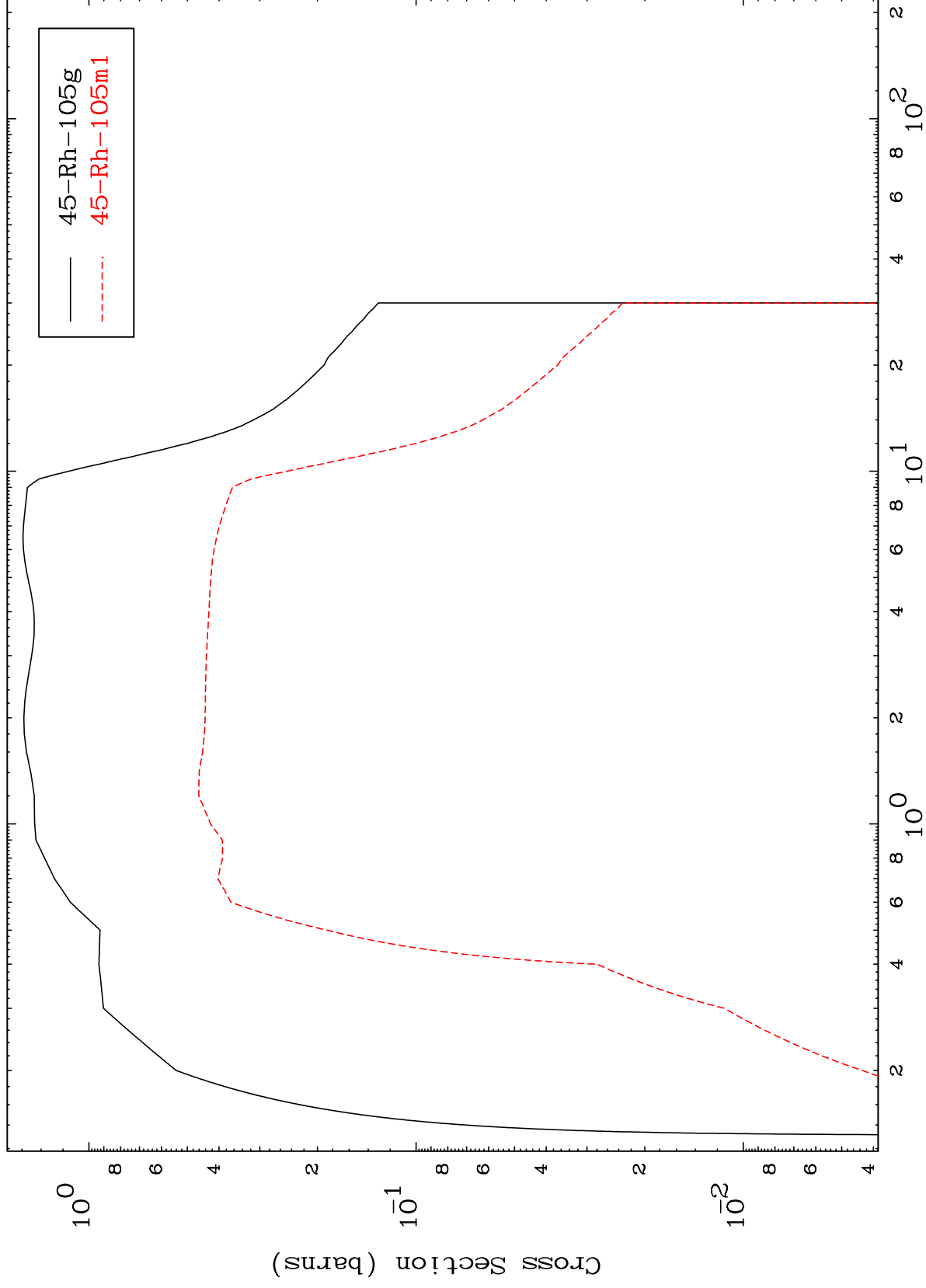




MAT 4531

45-Rh-105

Inelastic
Radionuclide Production Cross Section



137

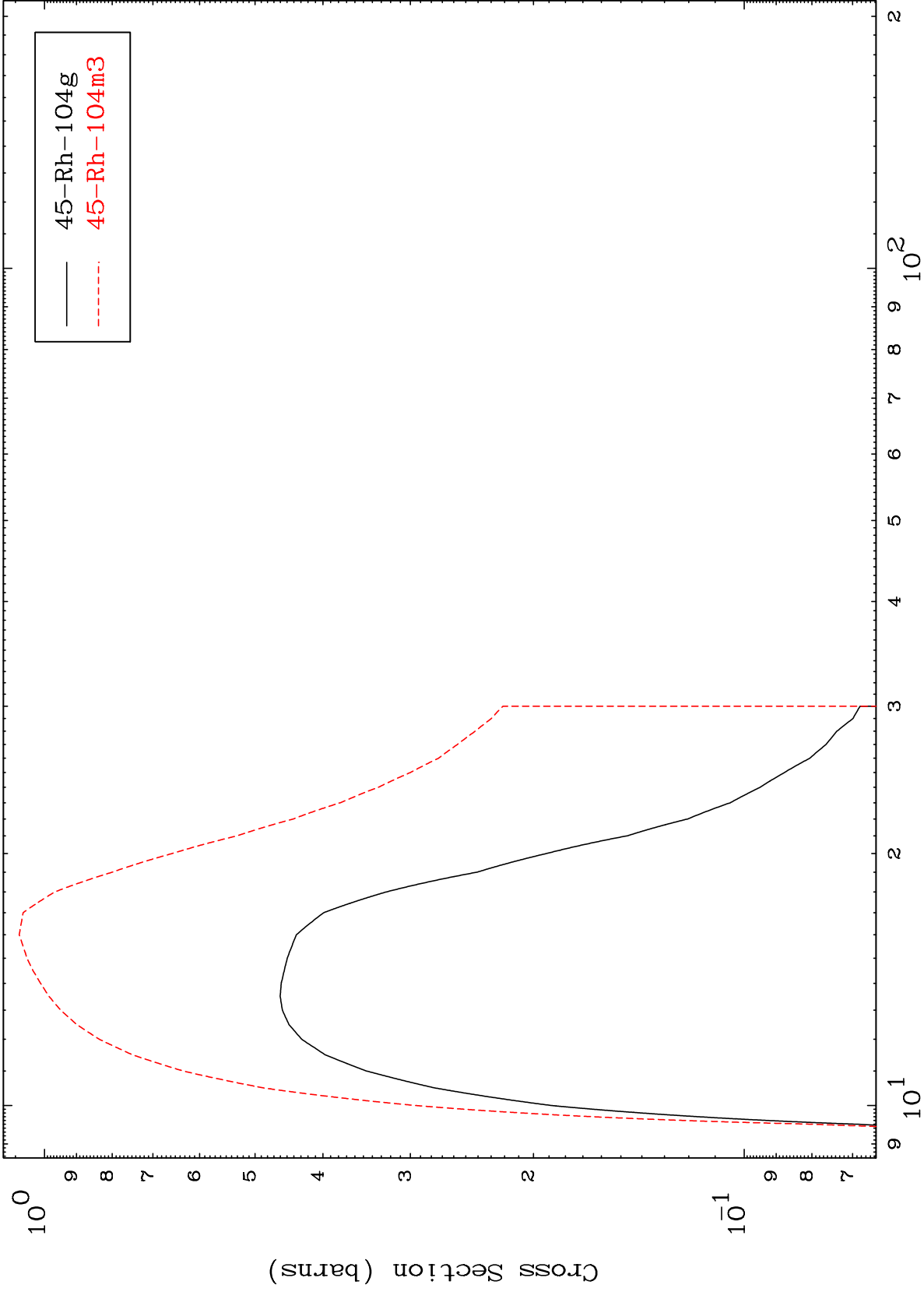
Incident Energy (MeV)

45-Rh-105

MAT 4531

45-Rh-105

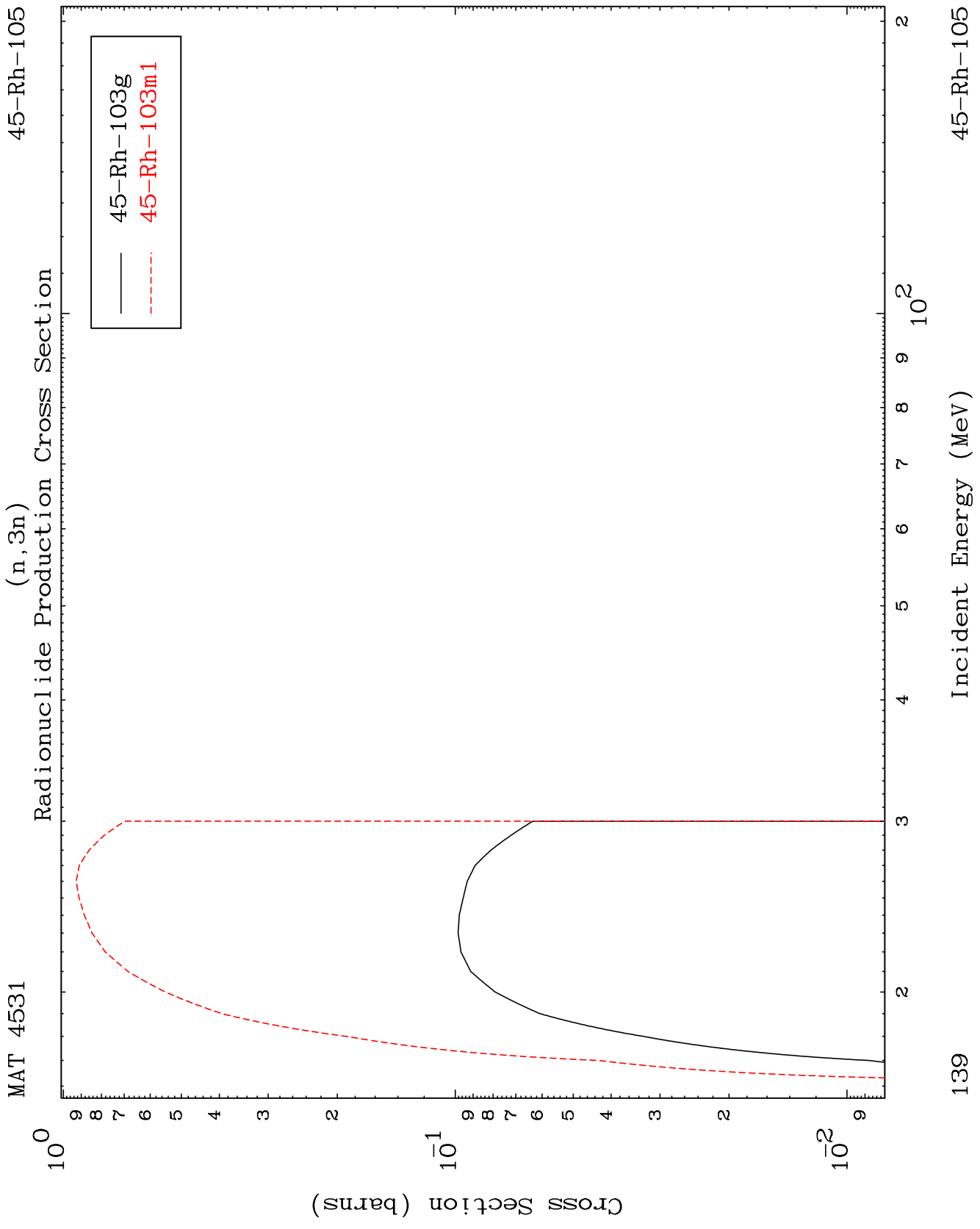
(n,2n)
Radionuclide Production Cross Section



138

Incident Energy (MeV)

45-Rh-105

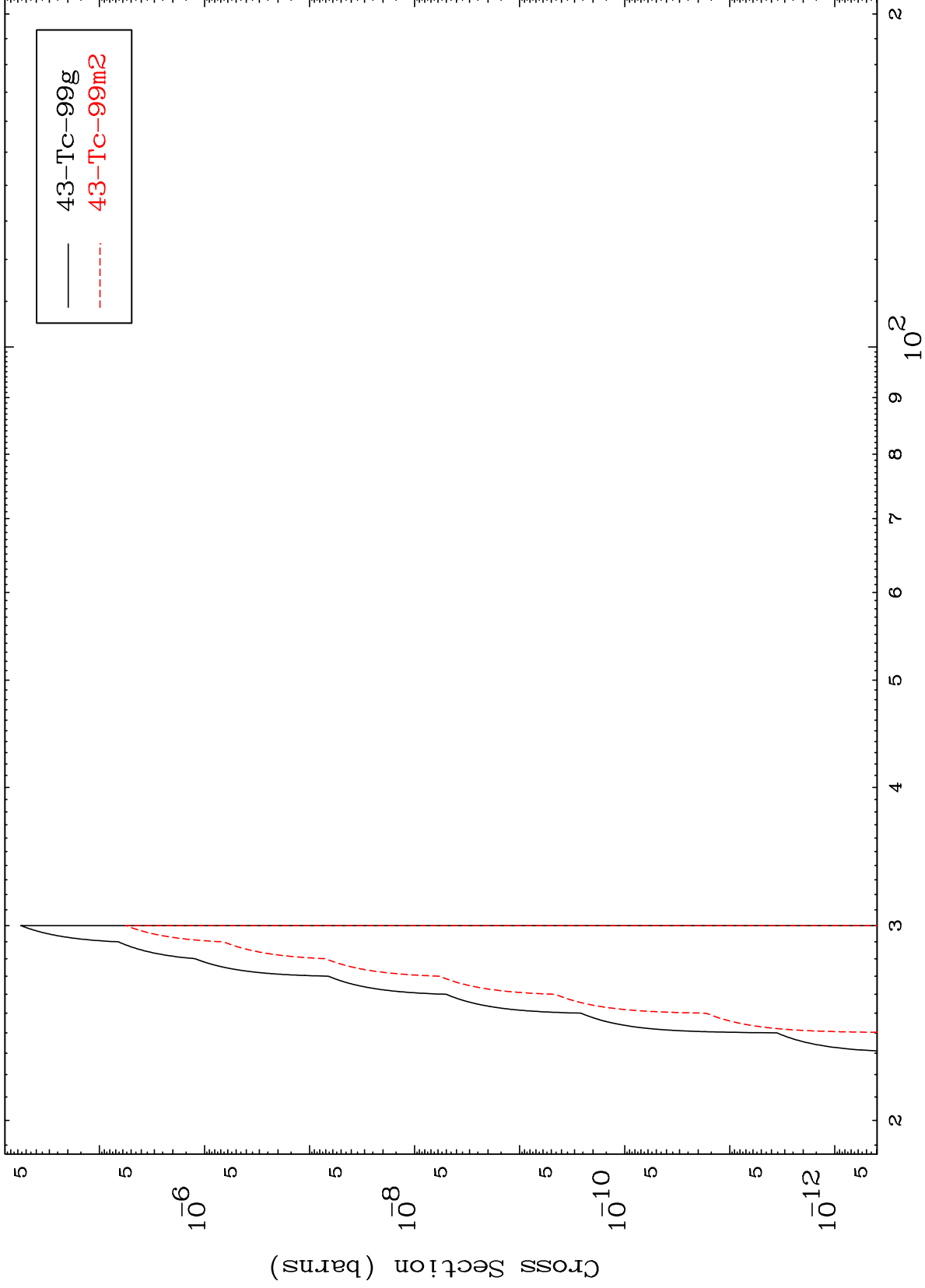


MAT 4531

(n,3n) α

45-Rh-105

Radionuclide Production Cross Section



140

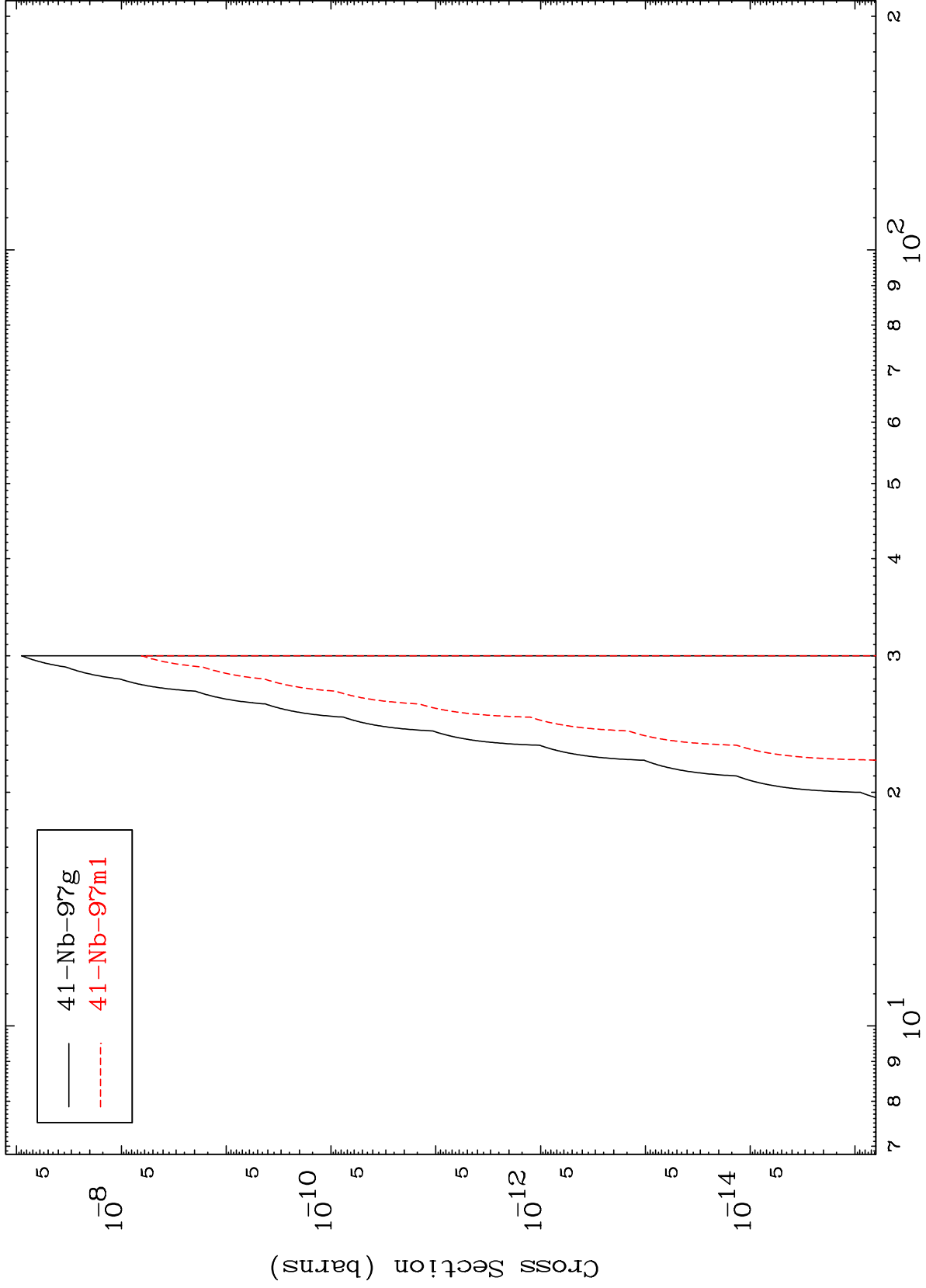
Incident Energy (MeV)

45-Rh-105

MAT 4531

45-Rh-105

(n,n') 2α
Radionuclide Production Cross Section



141

Incident Energy (MeV)

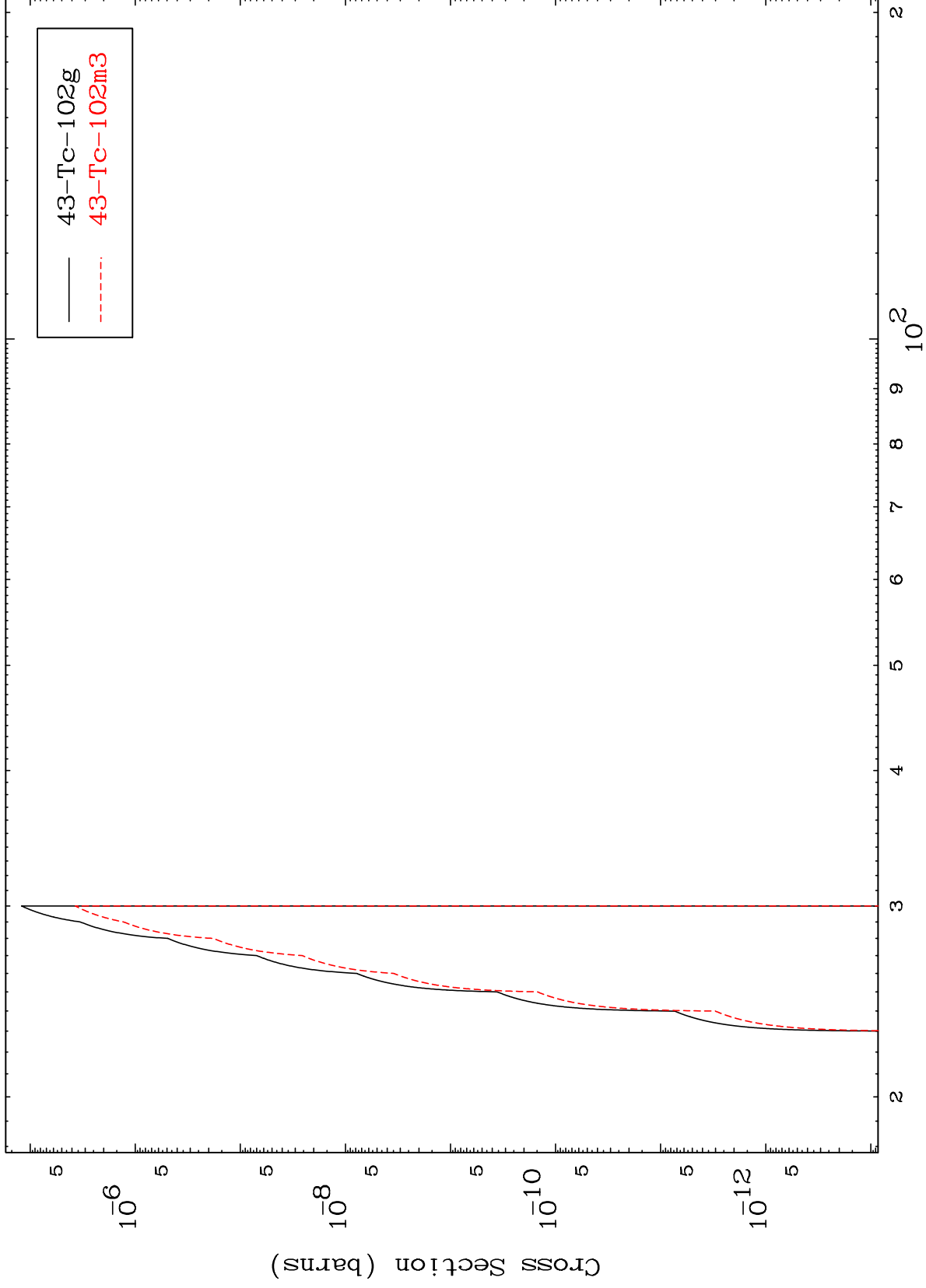
45-Rh-105

MAT 4531

(n,n') He-3

45-Rh-105

Radionuclide Production Cross Section



142

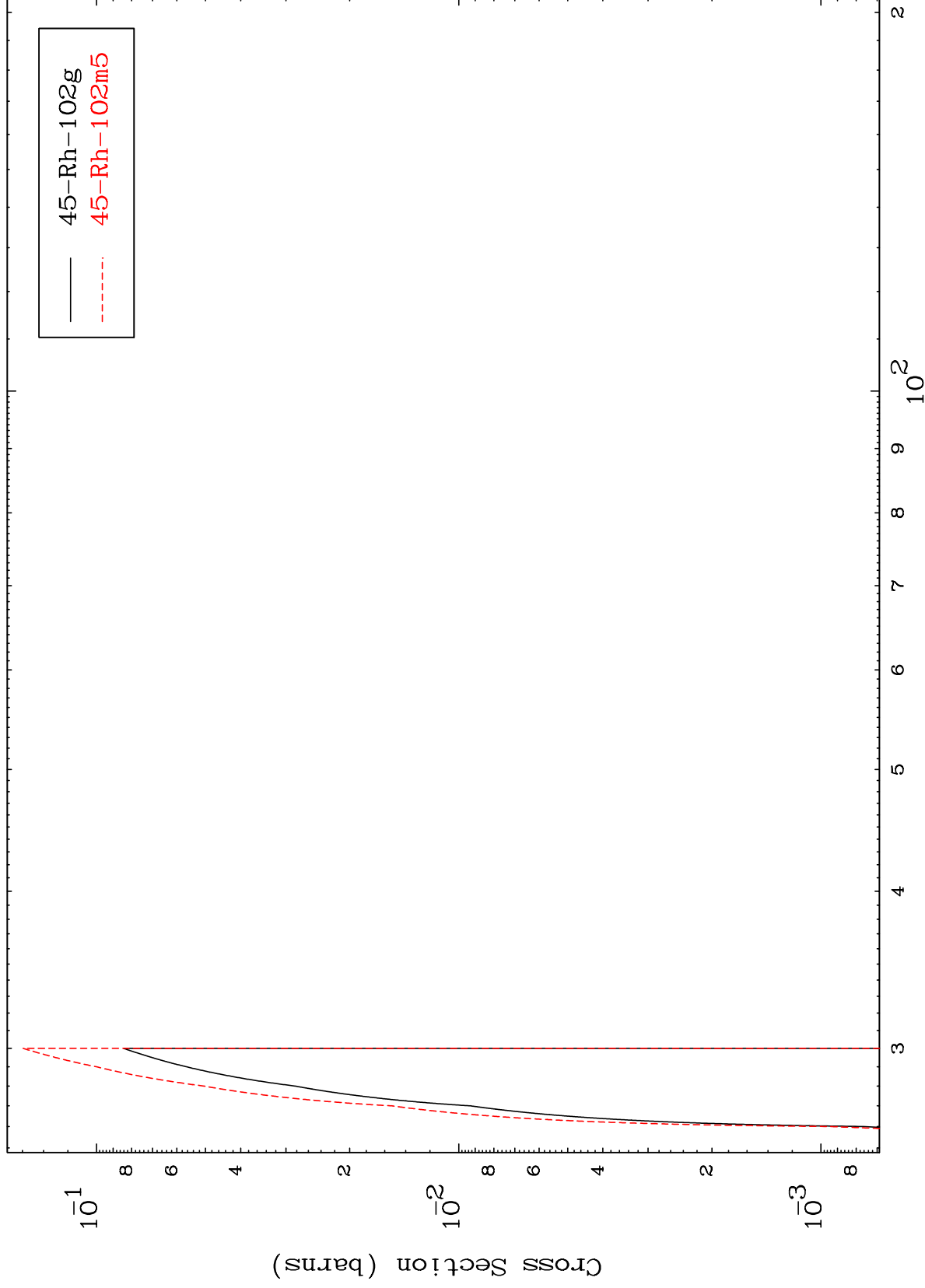
Incident Energy (MeV)

45-Rh-105

MAT 4531

45-Rh-105

(n,4n)
Radionuclide Production Cross Section



143

Incident Energy (MeV)

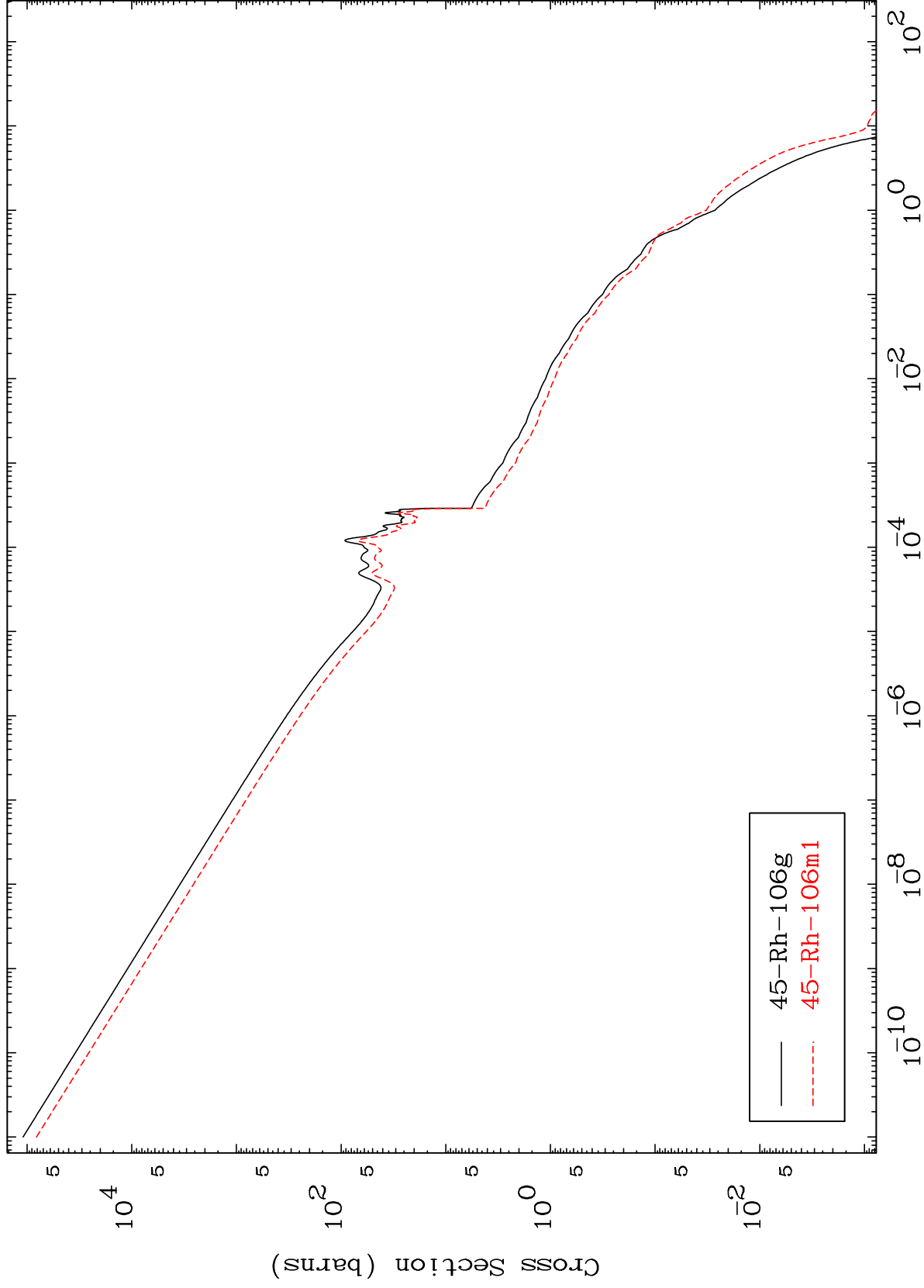
45-Rh-105

MAT 4531

45-Rh-105

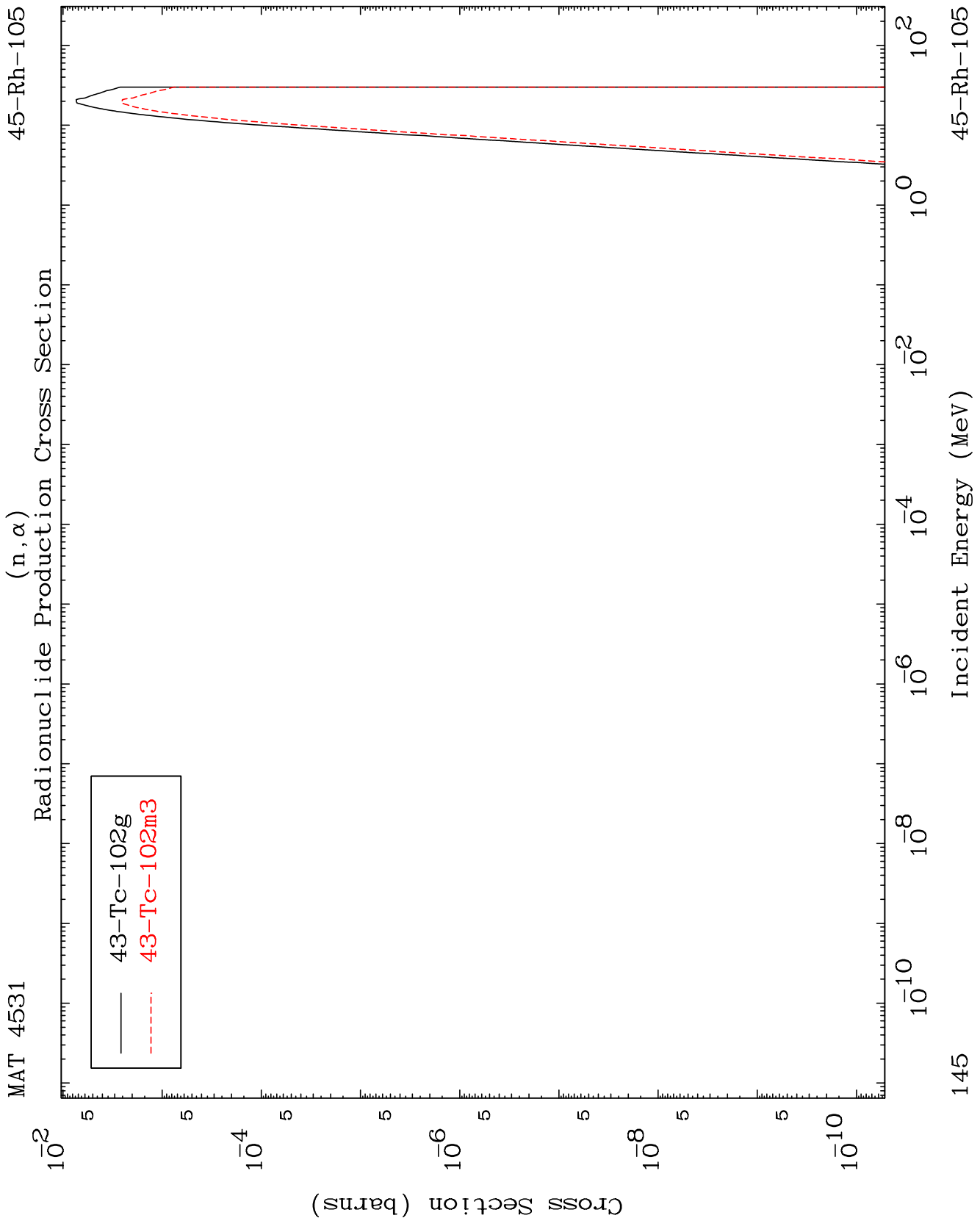
Radionuclide Production Cross Section

(n, γ)



144

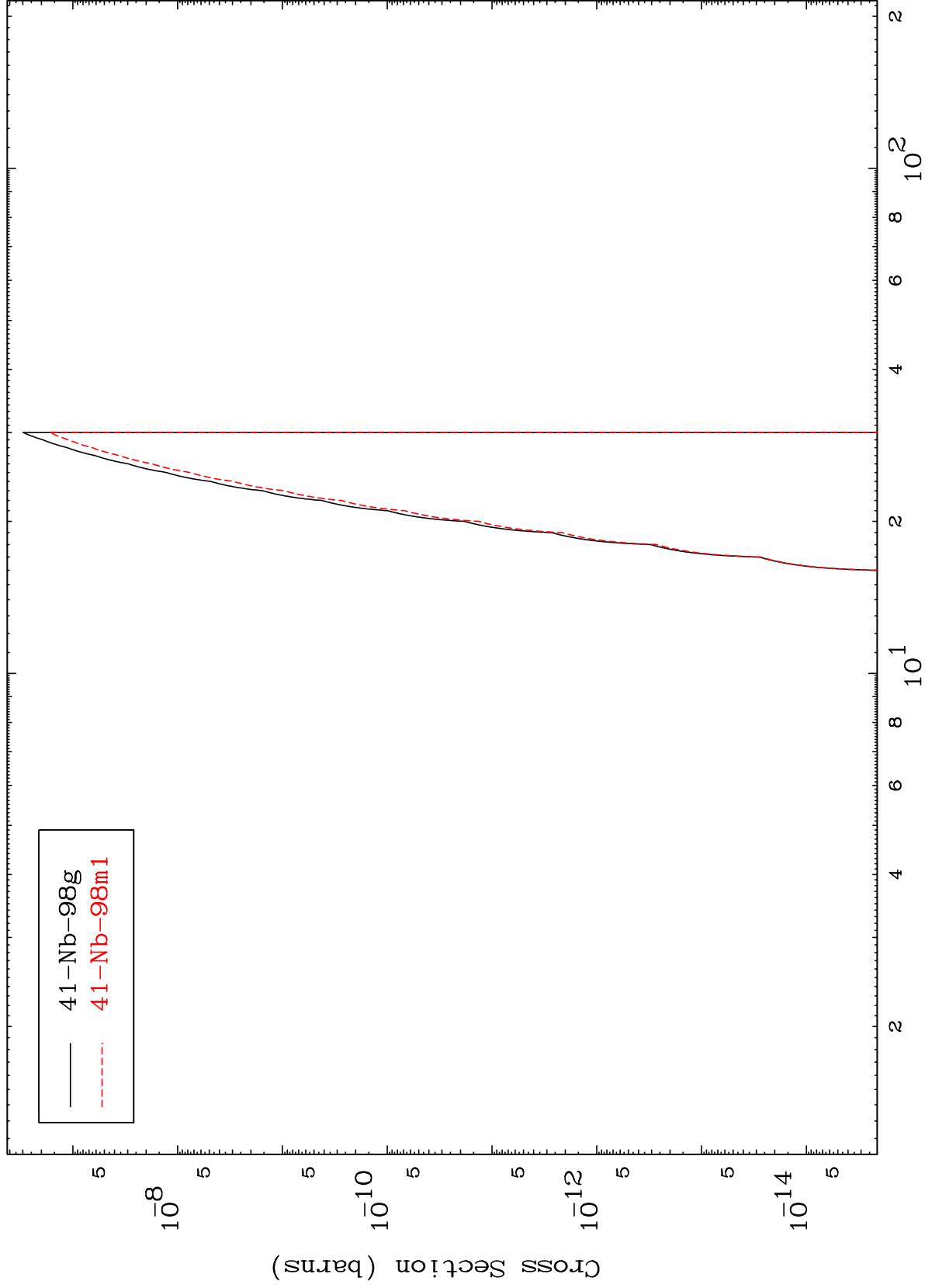
45-Rh-105



MAT 4531

45-Rh-105

(n,2α)
Radionuclide Production Cross Section



146

45-Rh-105

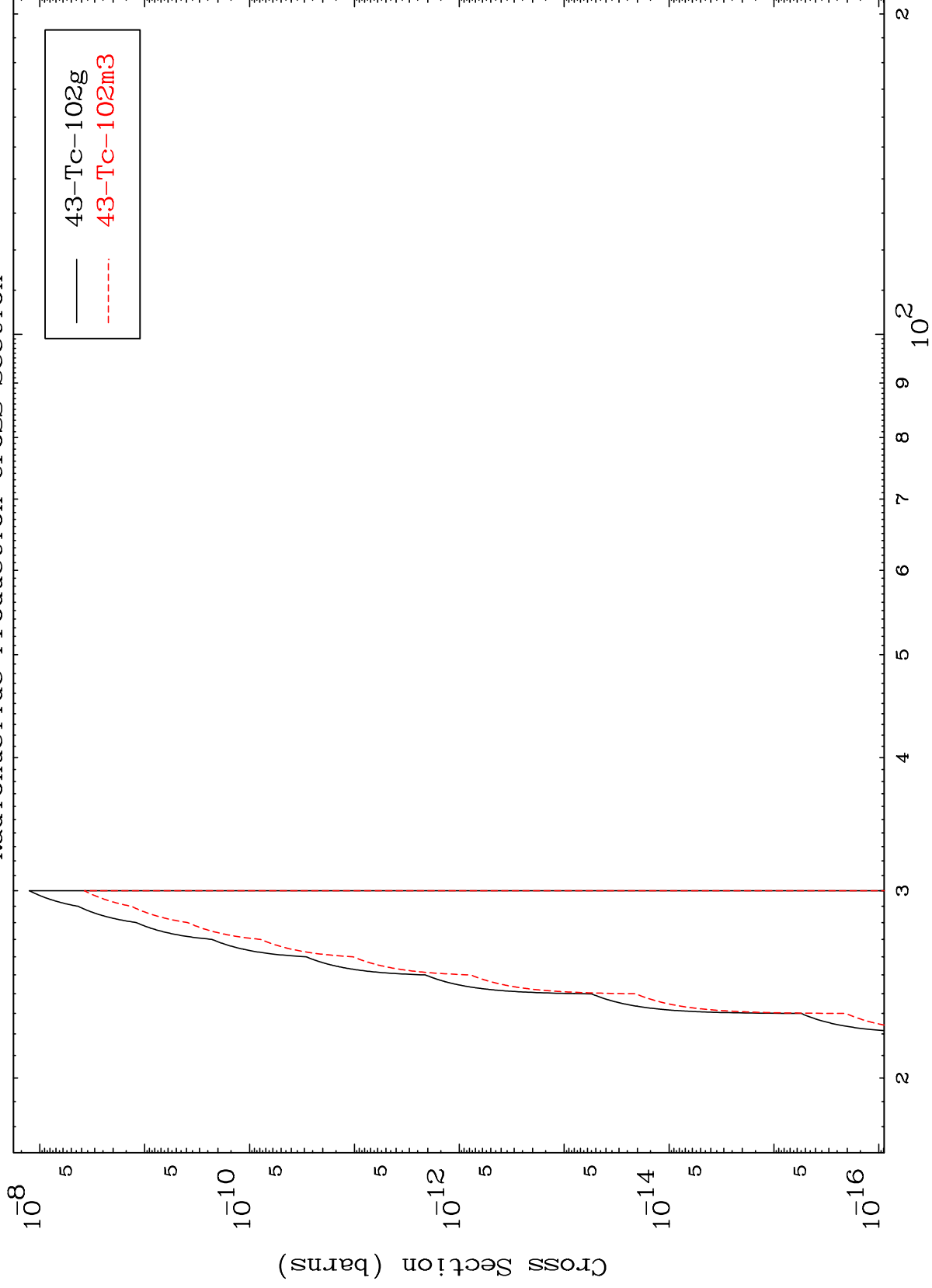
Incident Energy (MeV)

MAT 4531

(n,p) t

45-Rh-105

Radionuclide Production Cross Section



147

Incident Energy (MeV)

45-Rh-105