

Program EVALPLOT  
(Version 2018-1)

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

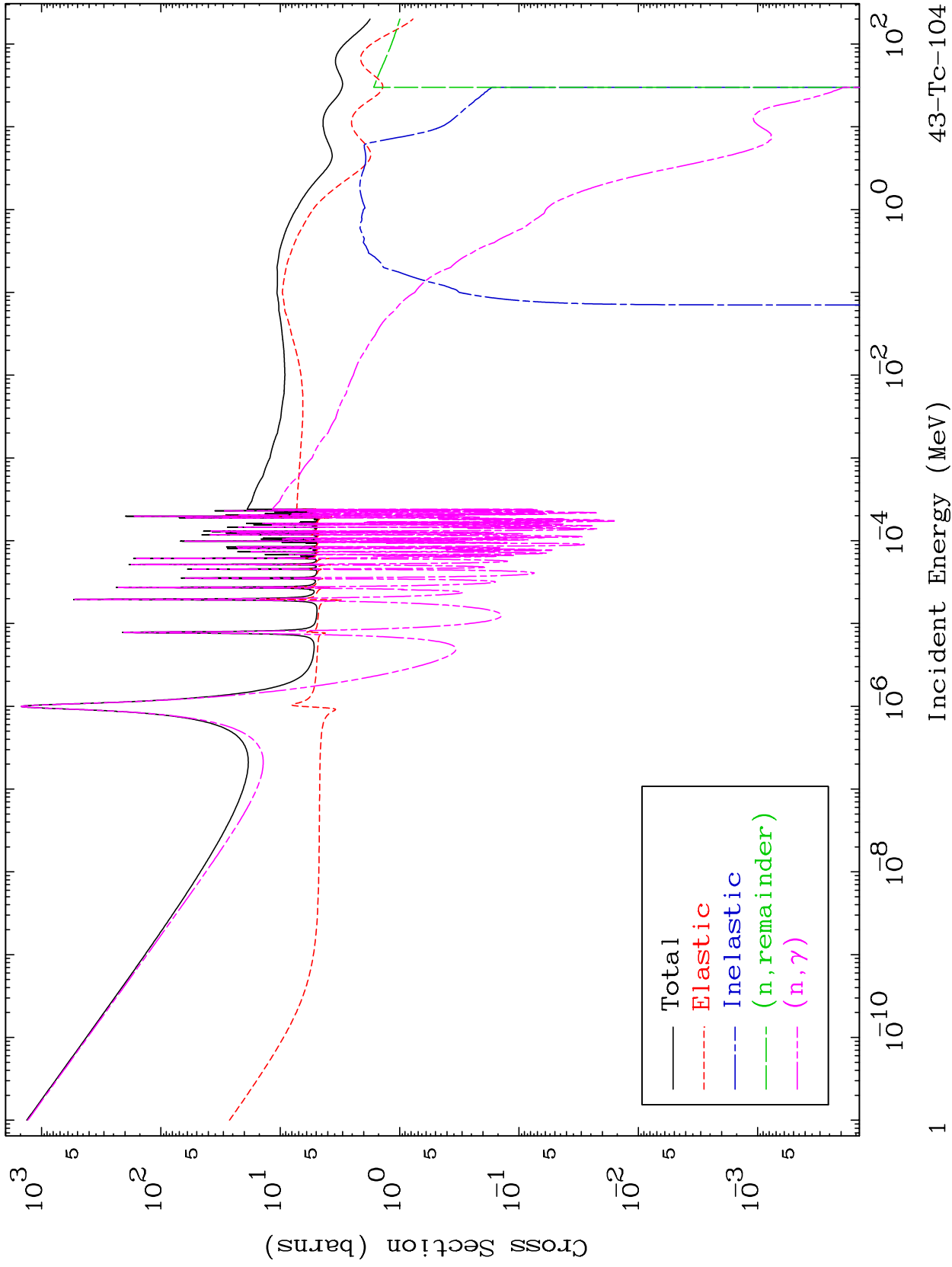
Press Mouse Button to Start

MAT 4340

Major

293 Kelvin Cross Sections

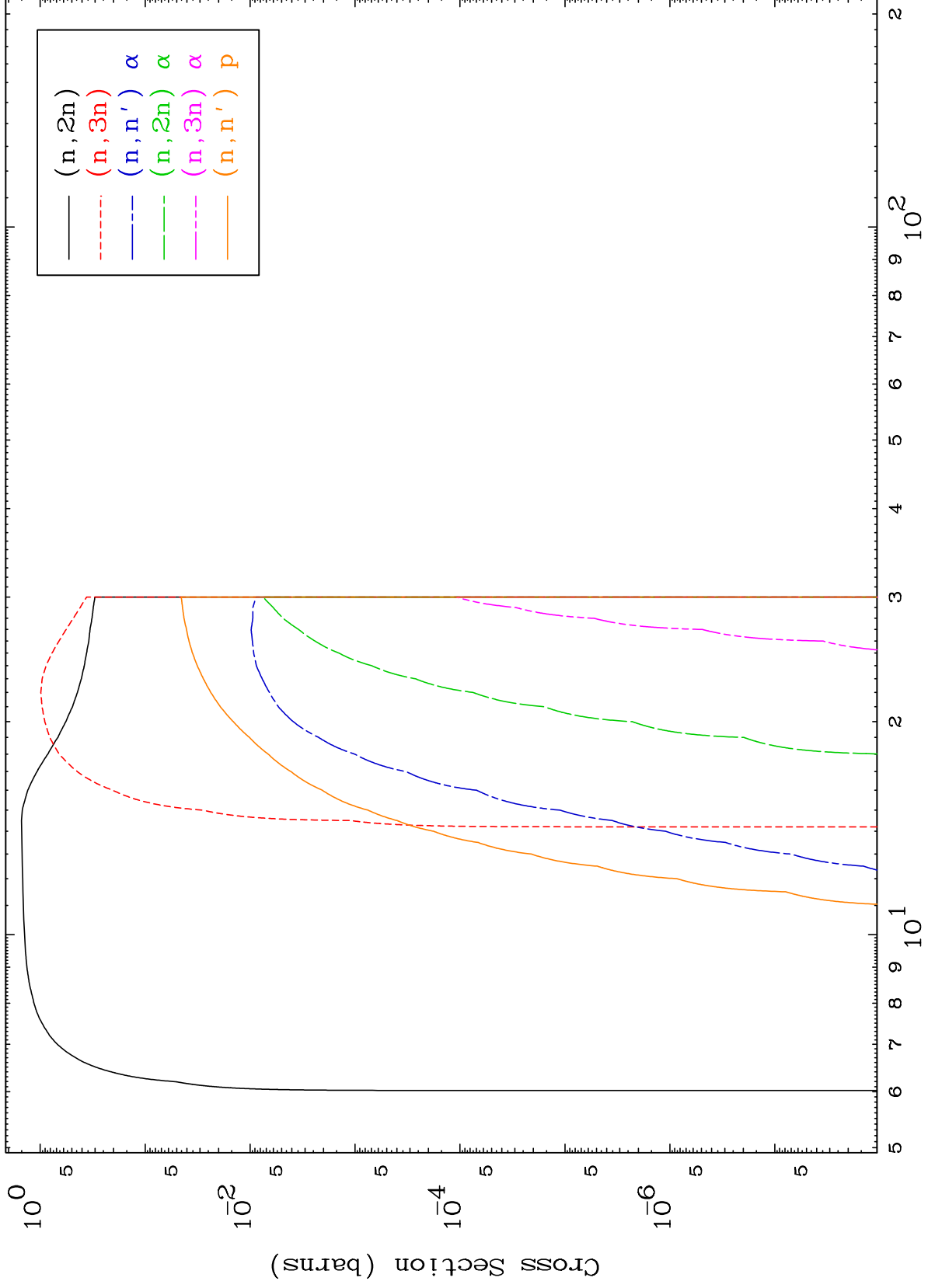
43-Tc-104



MAT 4340

Neutron Production  
293 Kelvin Cross Sections

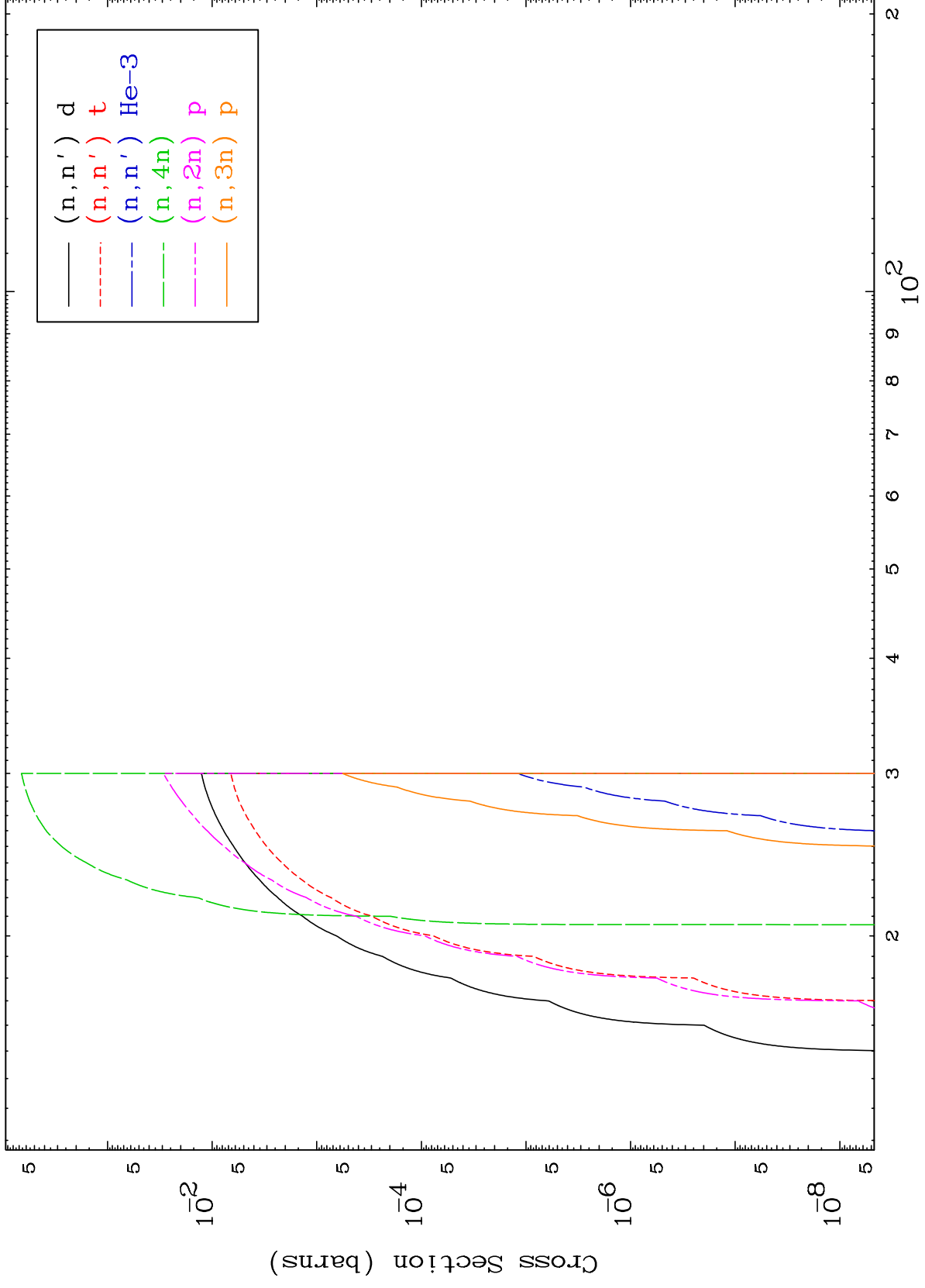
43-Tc-104



2

Incident Energy (MeV)

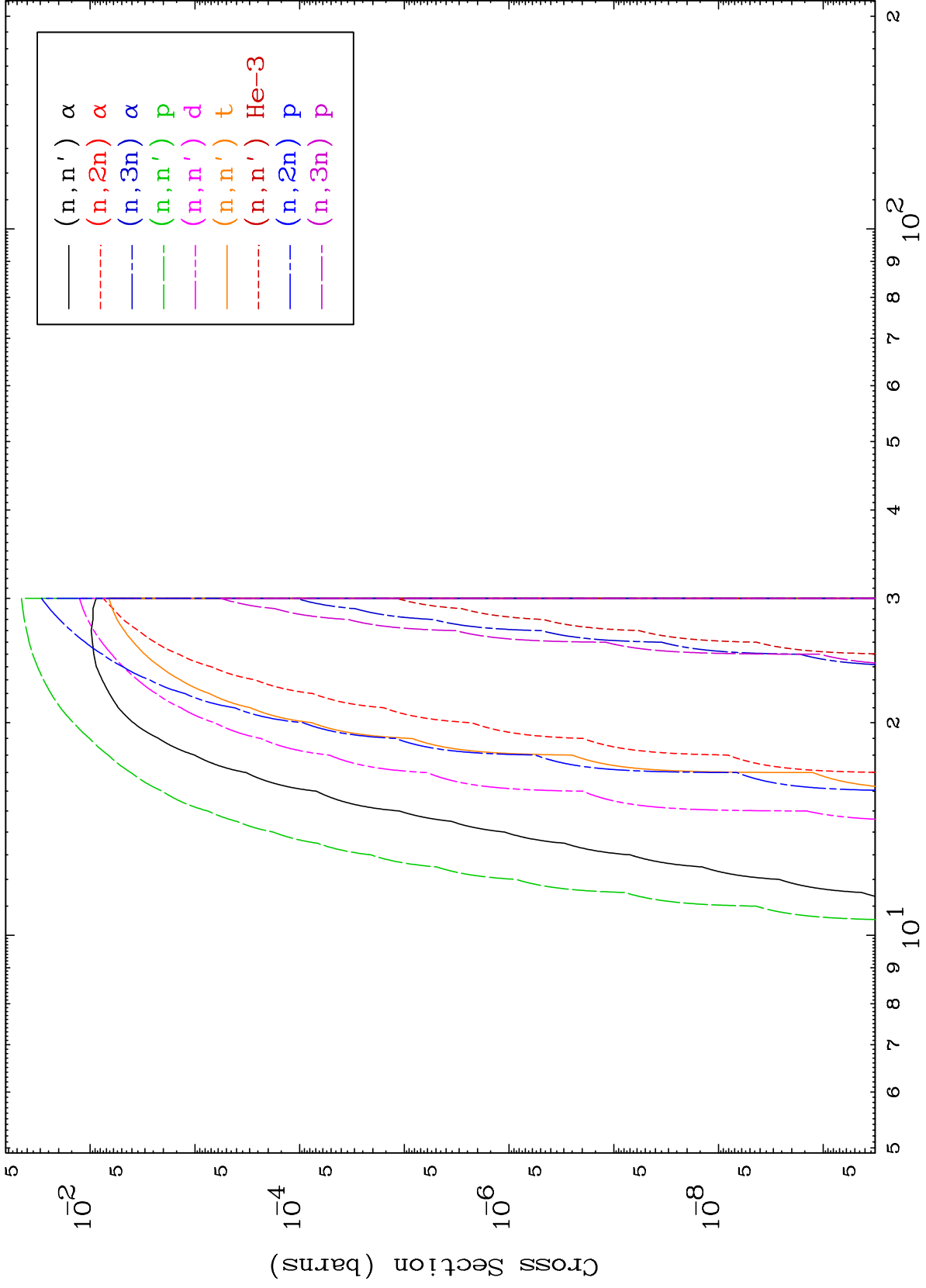
43-Tc-104



MAT 4340

Charged Particle  
293 Kelvin Cross Sections

43-Tc-104



4

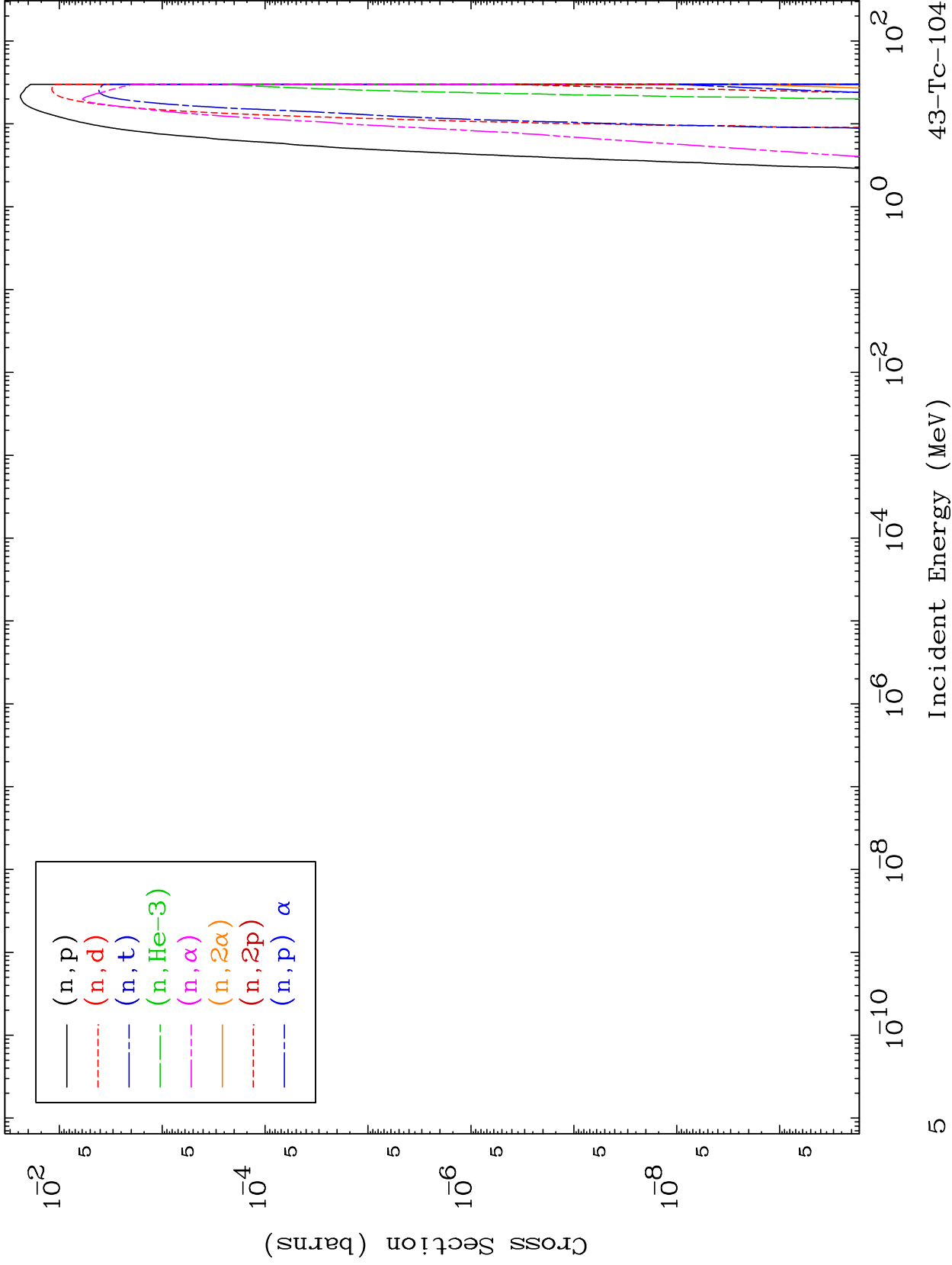
Incident Energy (MeV)

43-Tc-104

MAT 4340

Charged Particle  
293 Kelvin Cross Sections

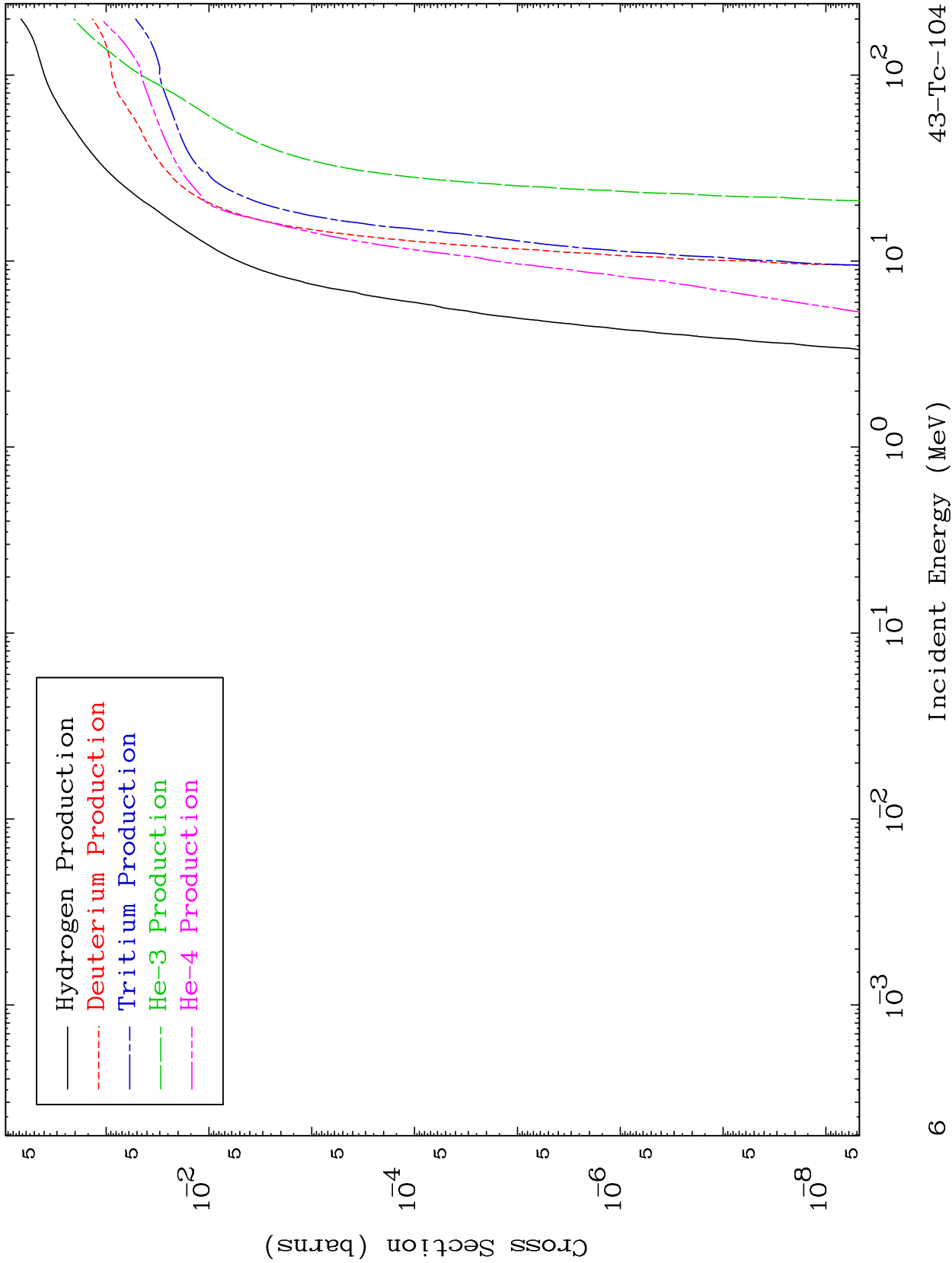
43-Tc-104



MAT 4340

Particle Production  
293 Kelvin Cross Sections

43-Tc-104

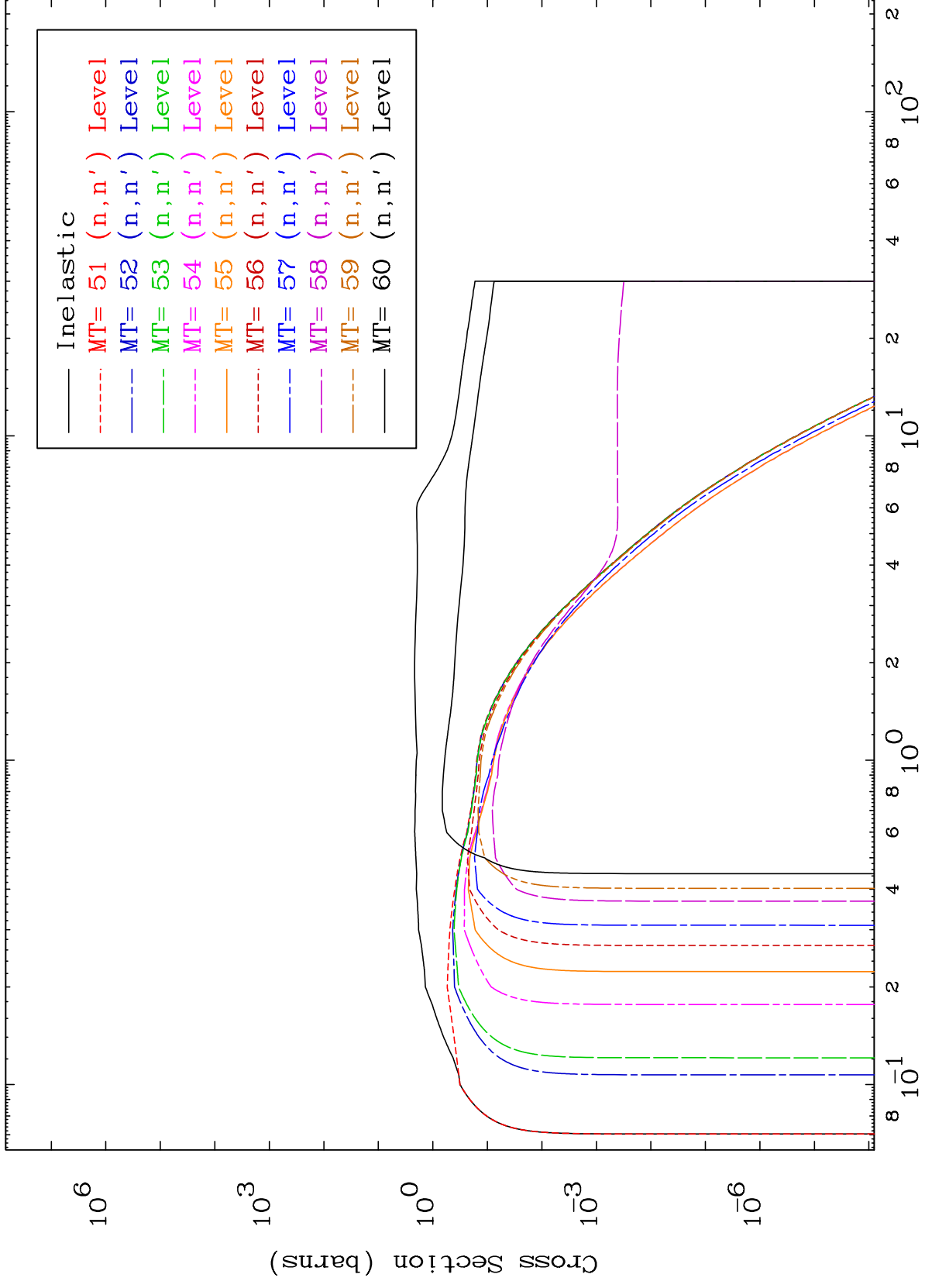


MAT 4340

(n,n') Level

43-Tc-104

293 Kelvin Cross Sections



7

Incident Energy (MeV)

43-Tc-104

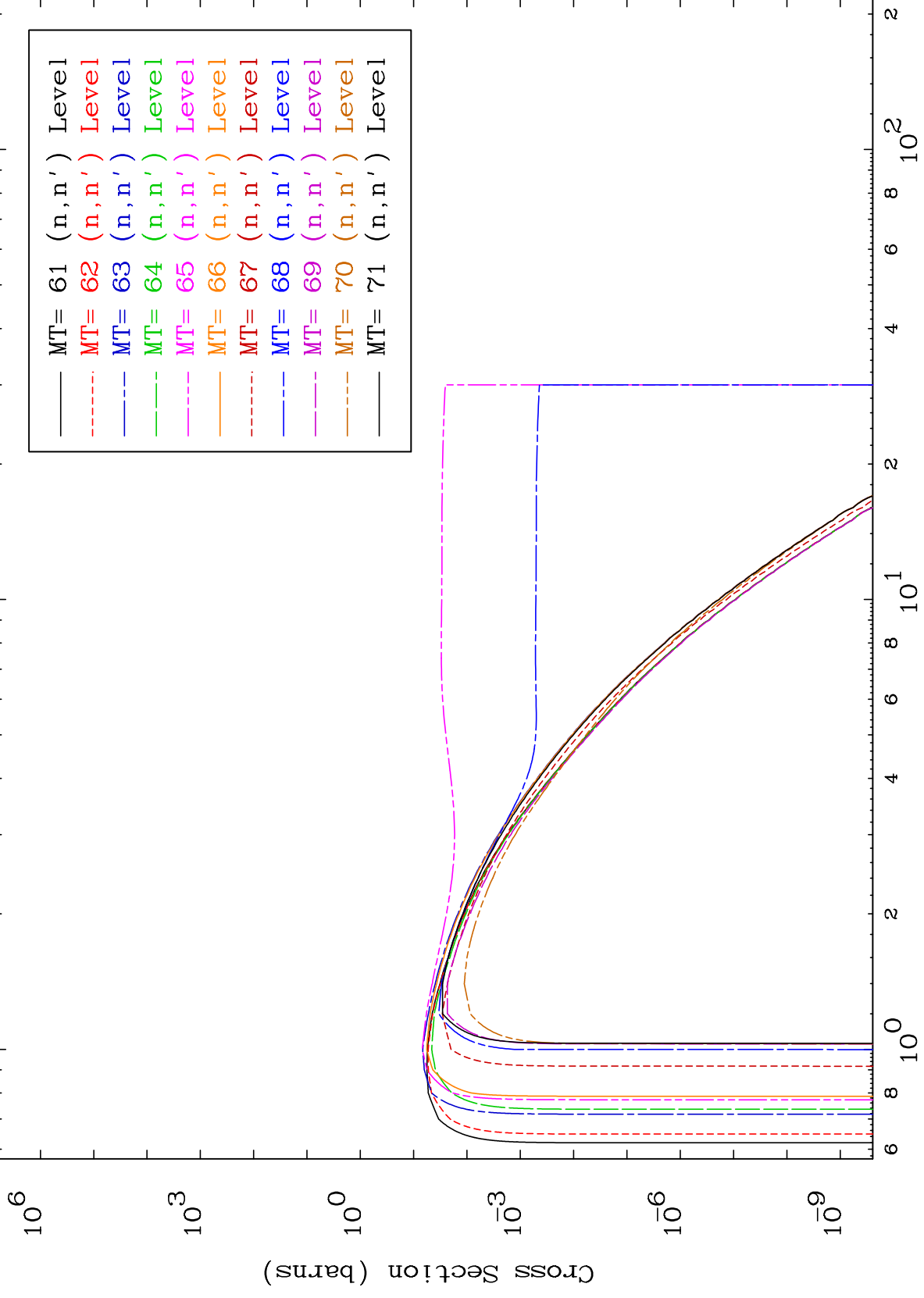


MAT 4340

(n,n') Level

43-Tc-104

293 Kelvin Cross Sections



Incident Energy (MeV)

43-Tc-104

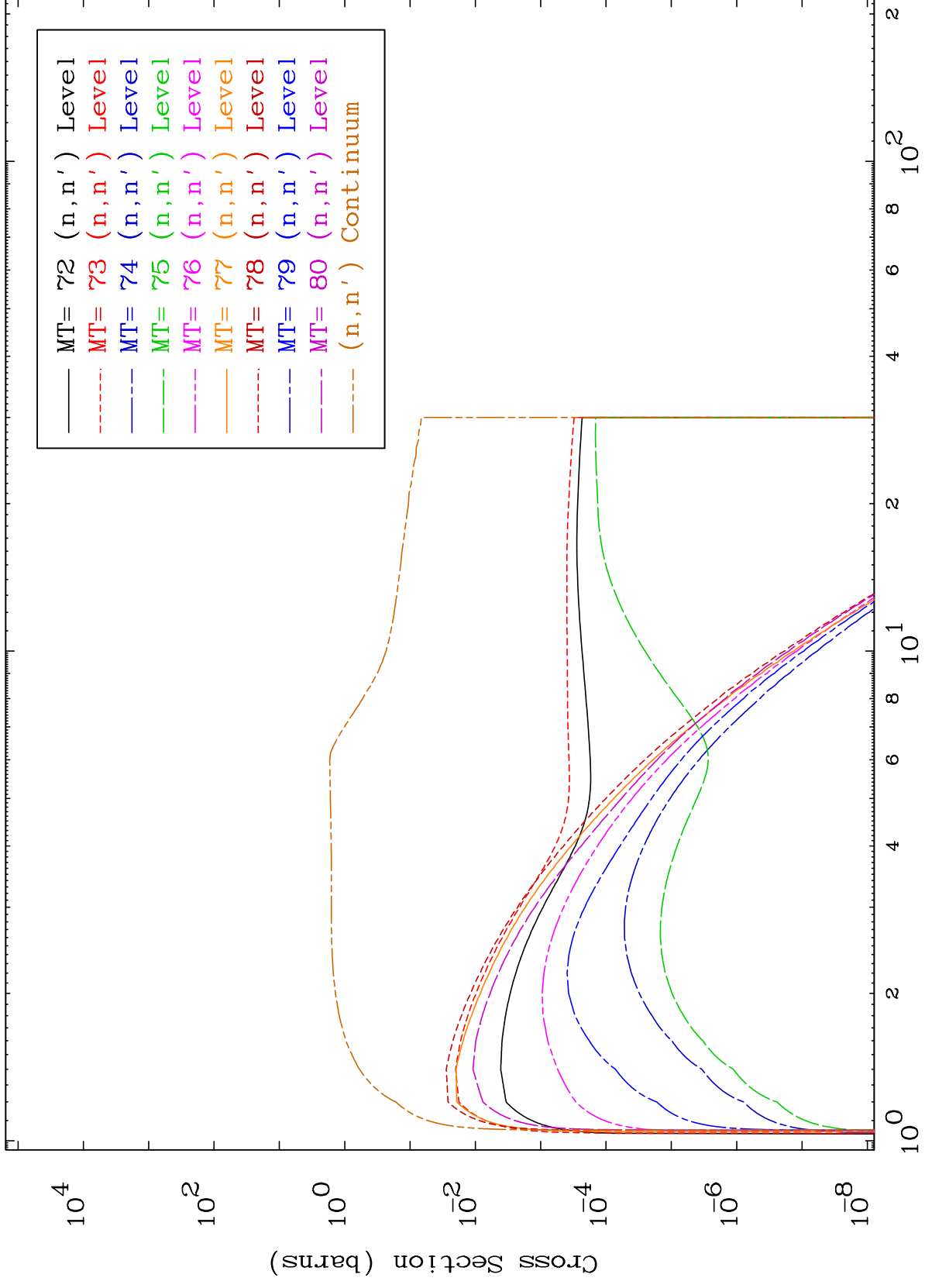
8

MAT 4340

(n,n') Level

43-Tc-104

293 Kelvin Cross Sections



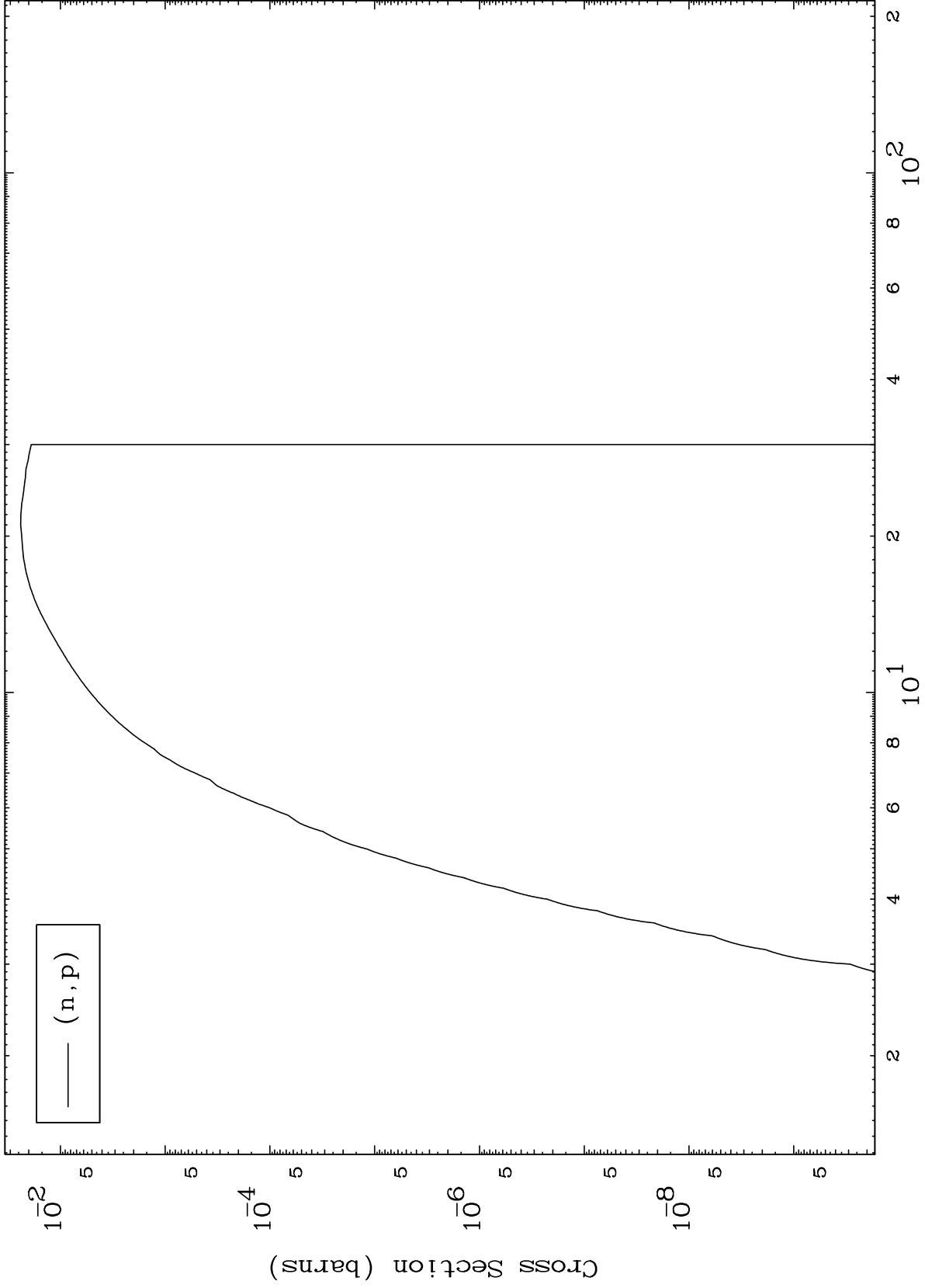
Incident Energy (MeV)

43-Tc-104

MAT 4340

(n,p) Levels  
293 Kelvin Cross Sections

43-Tc-104



10

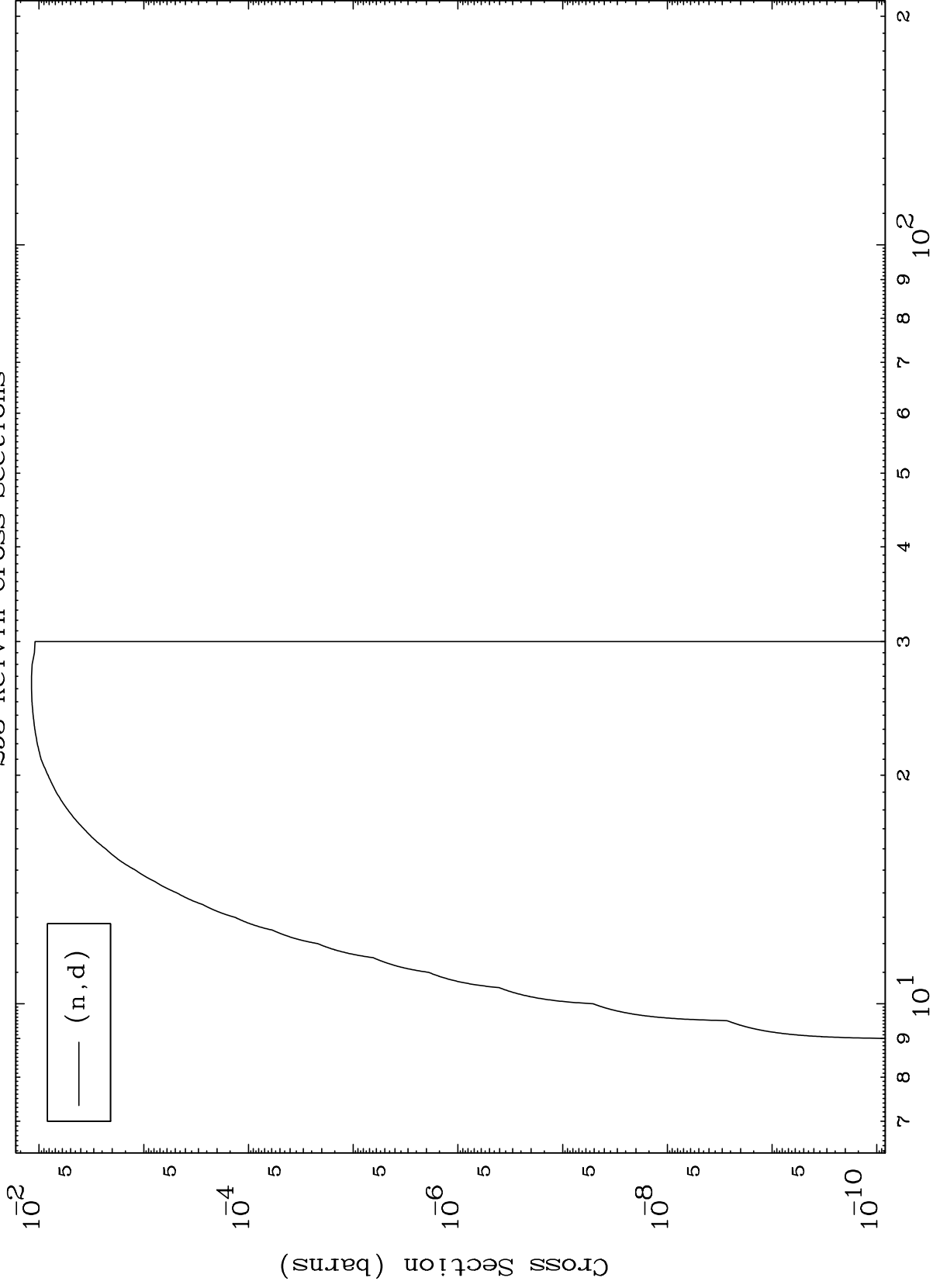
Incident Energy (MeV)

43-Tc-104

MAT 4340

(n,d) Levels  
293 Kelvin Cross Sections

43-Tc-104



11

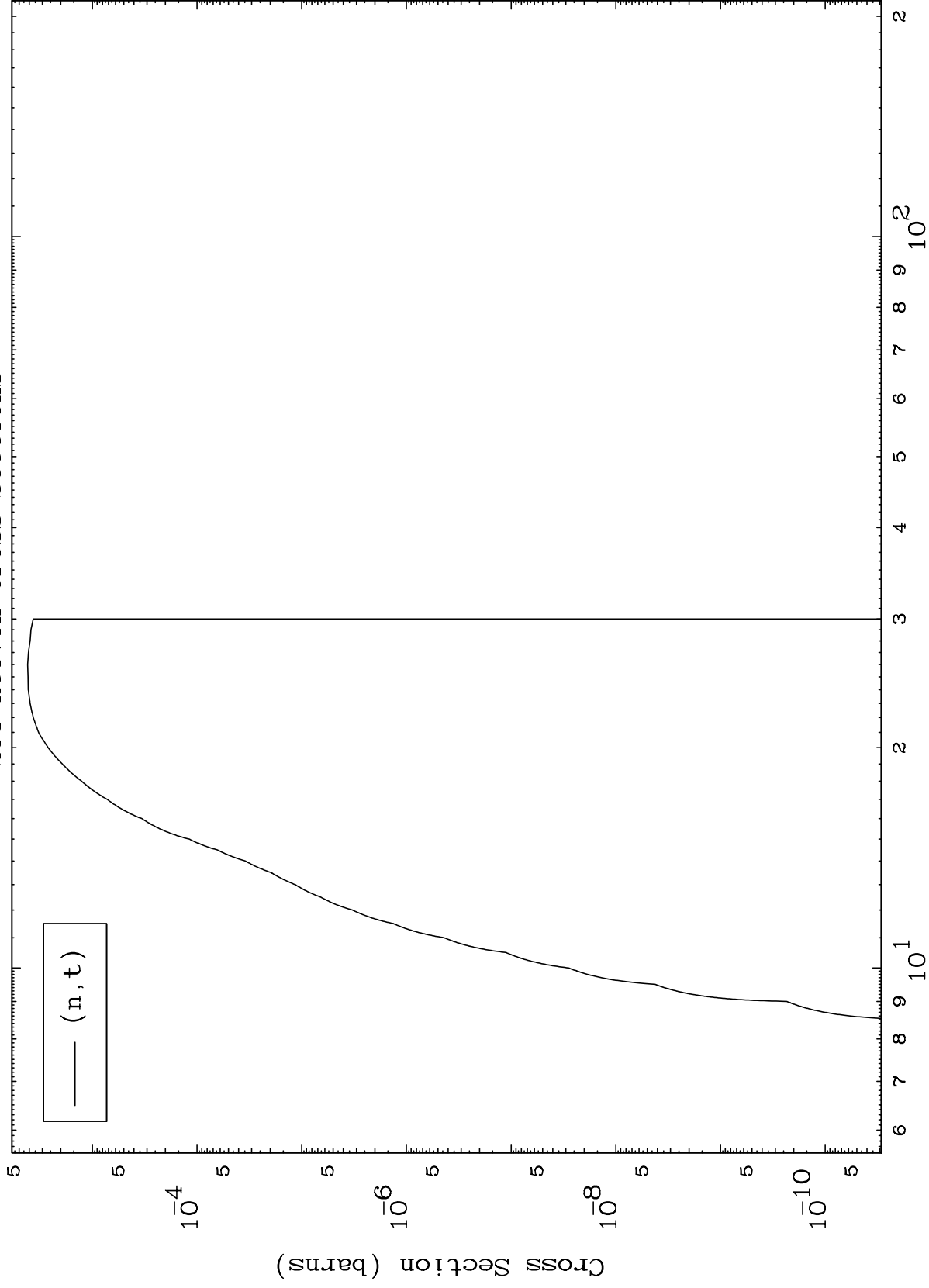
Incident Energy (MeV)

43-Tc-104

MAT 4340

(n, t) Levels  
293 Kelvin Cross Sections

43-Tc-104



12

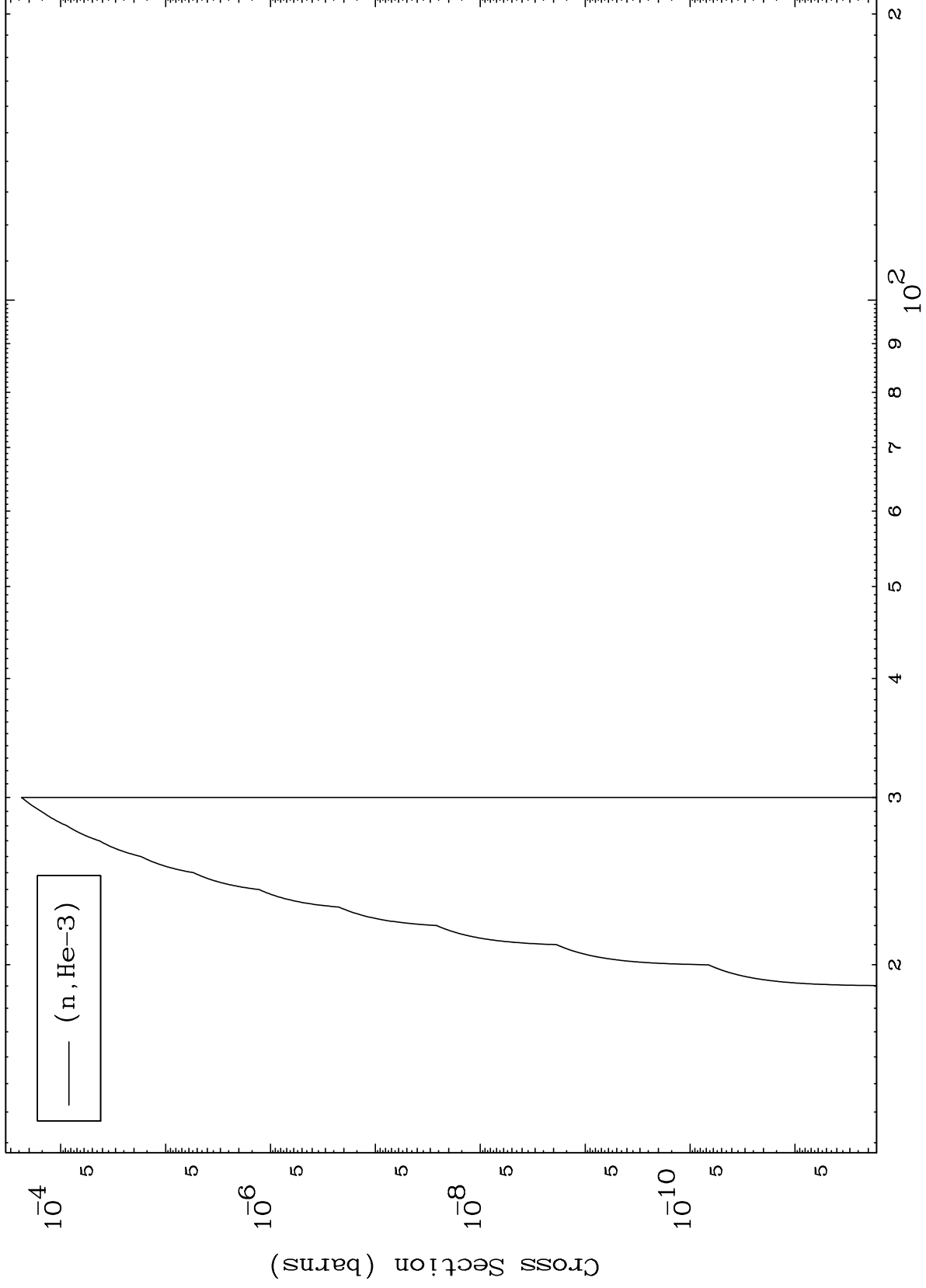
Incident Energy (MeV)

43-Tc-104

MAT 4340

(n,He3) Levels  
293 Kelvin Cross Sections

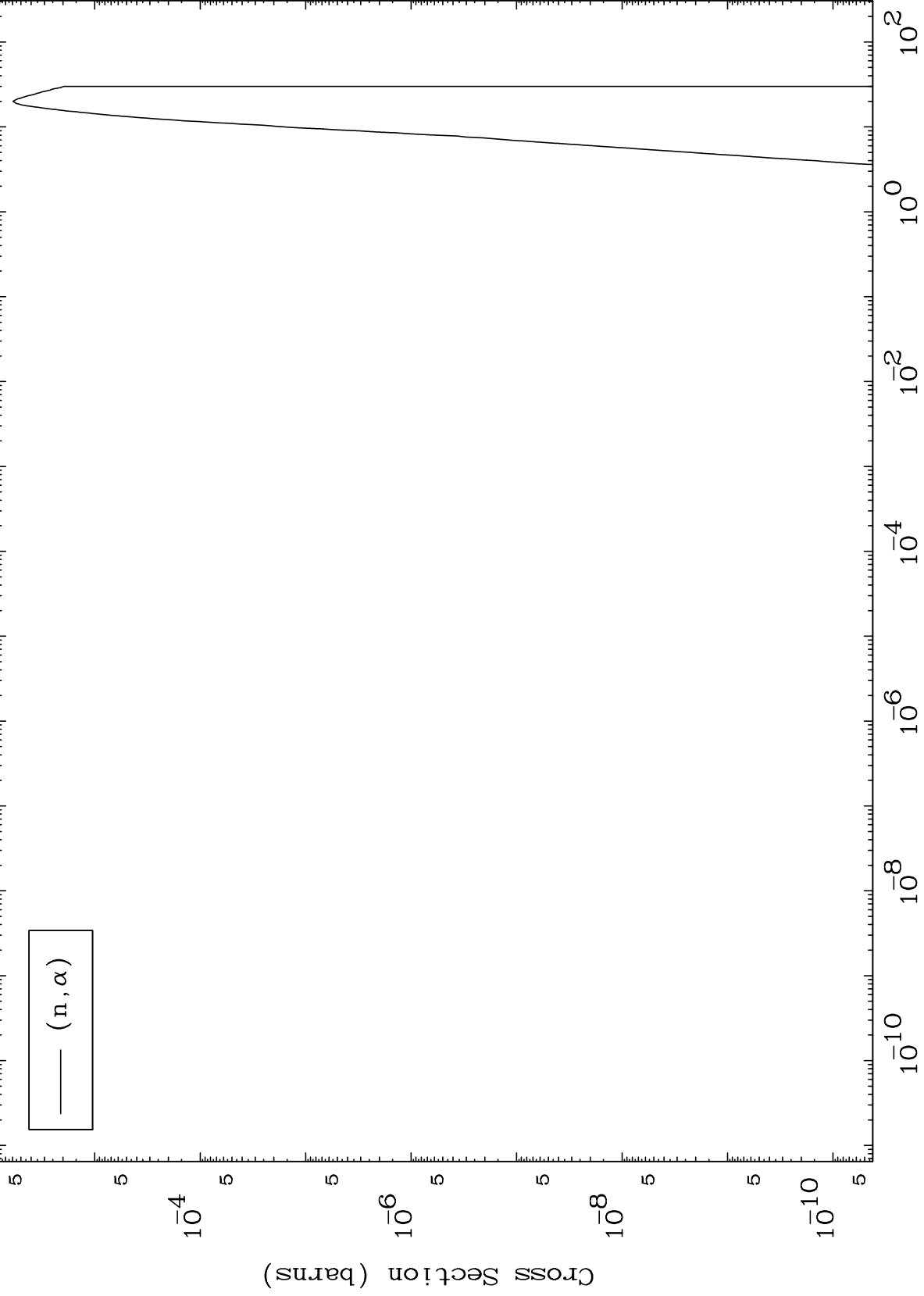
43-Tc-104

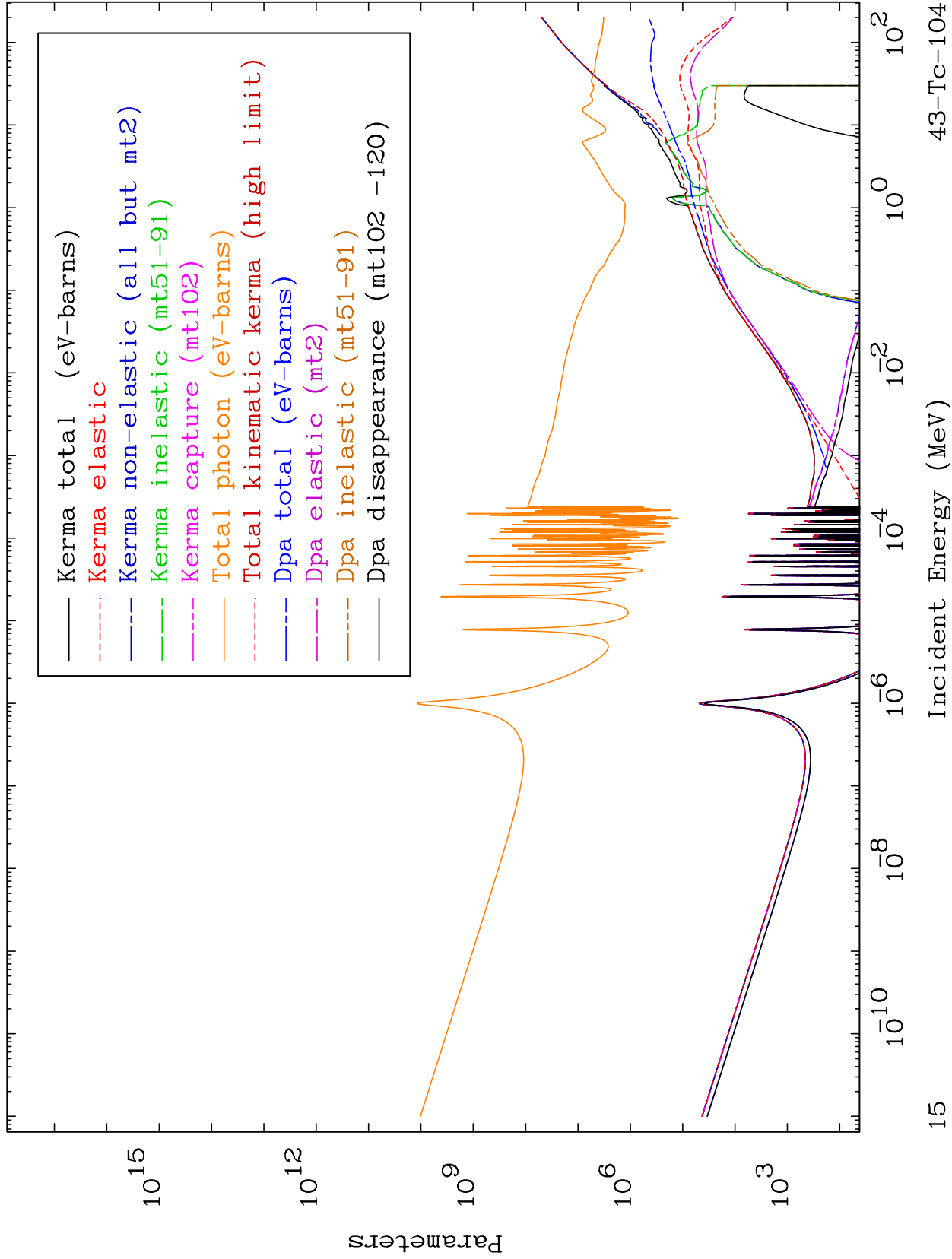


MAT 4340

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

43-Tc-104



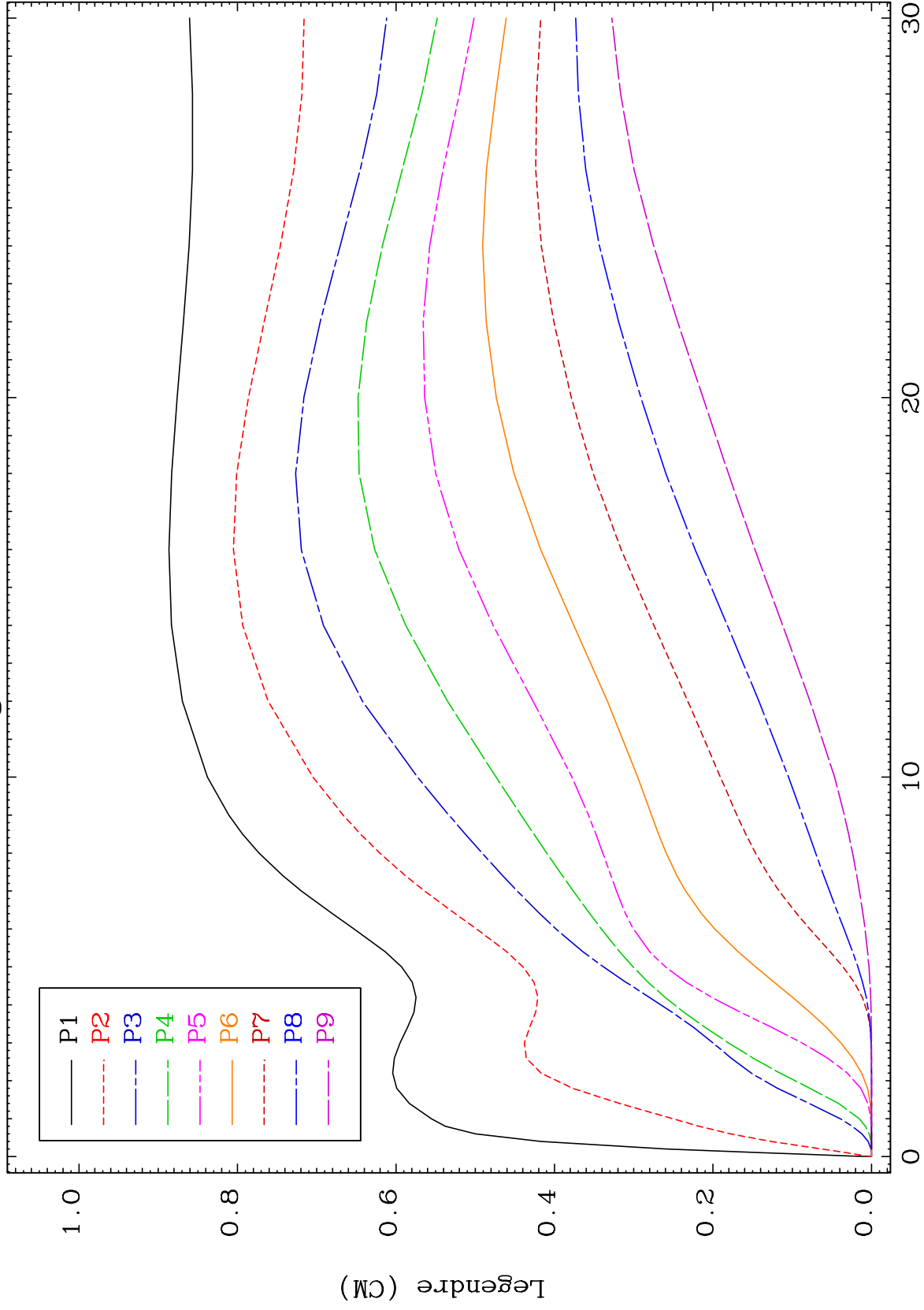




MAT 4340

Elastic Legendre Coefficients

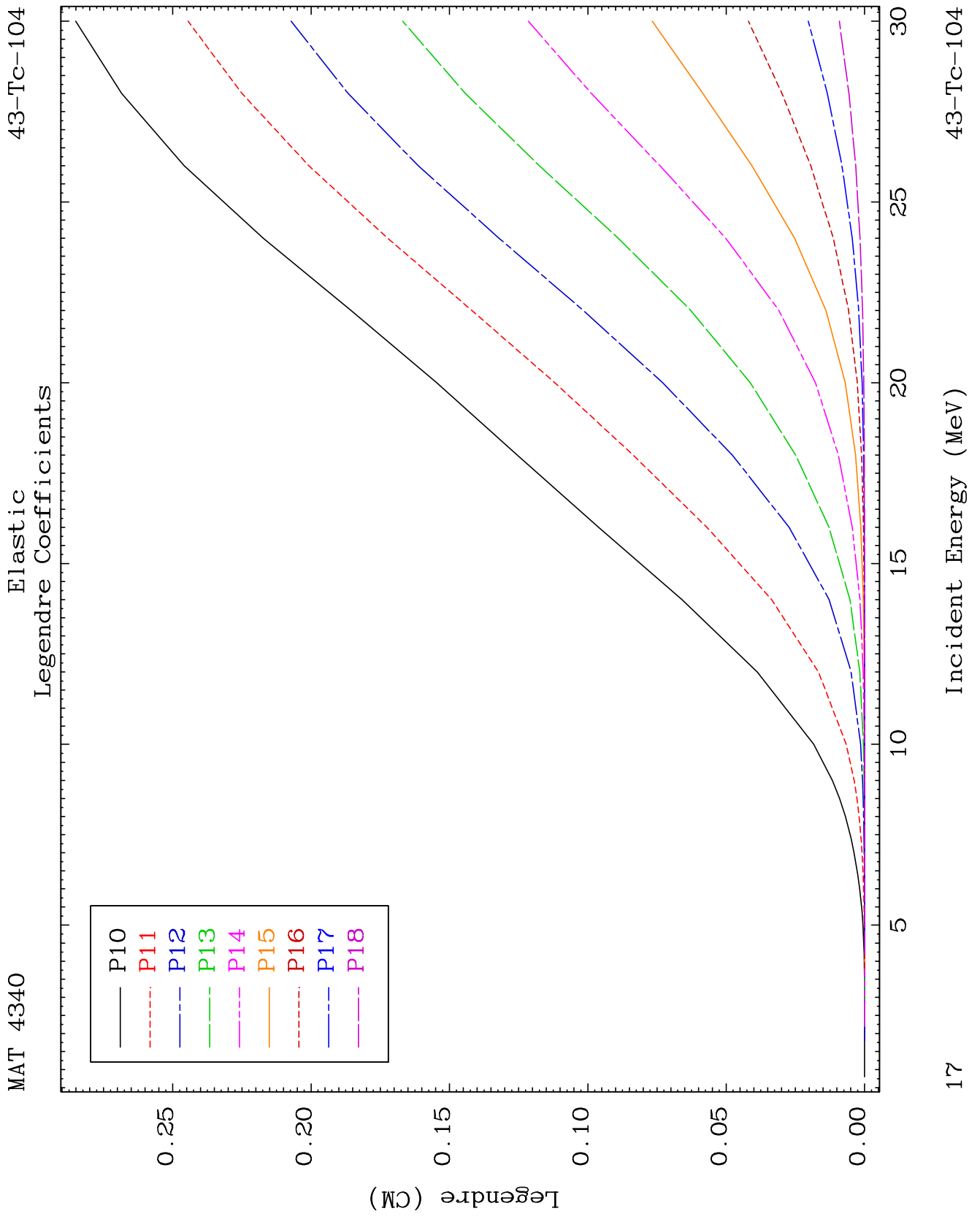
43-Tc-104



16

Incident Energy (MeV)

43-Tc-104



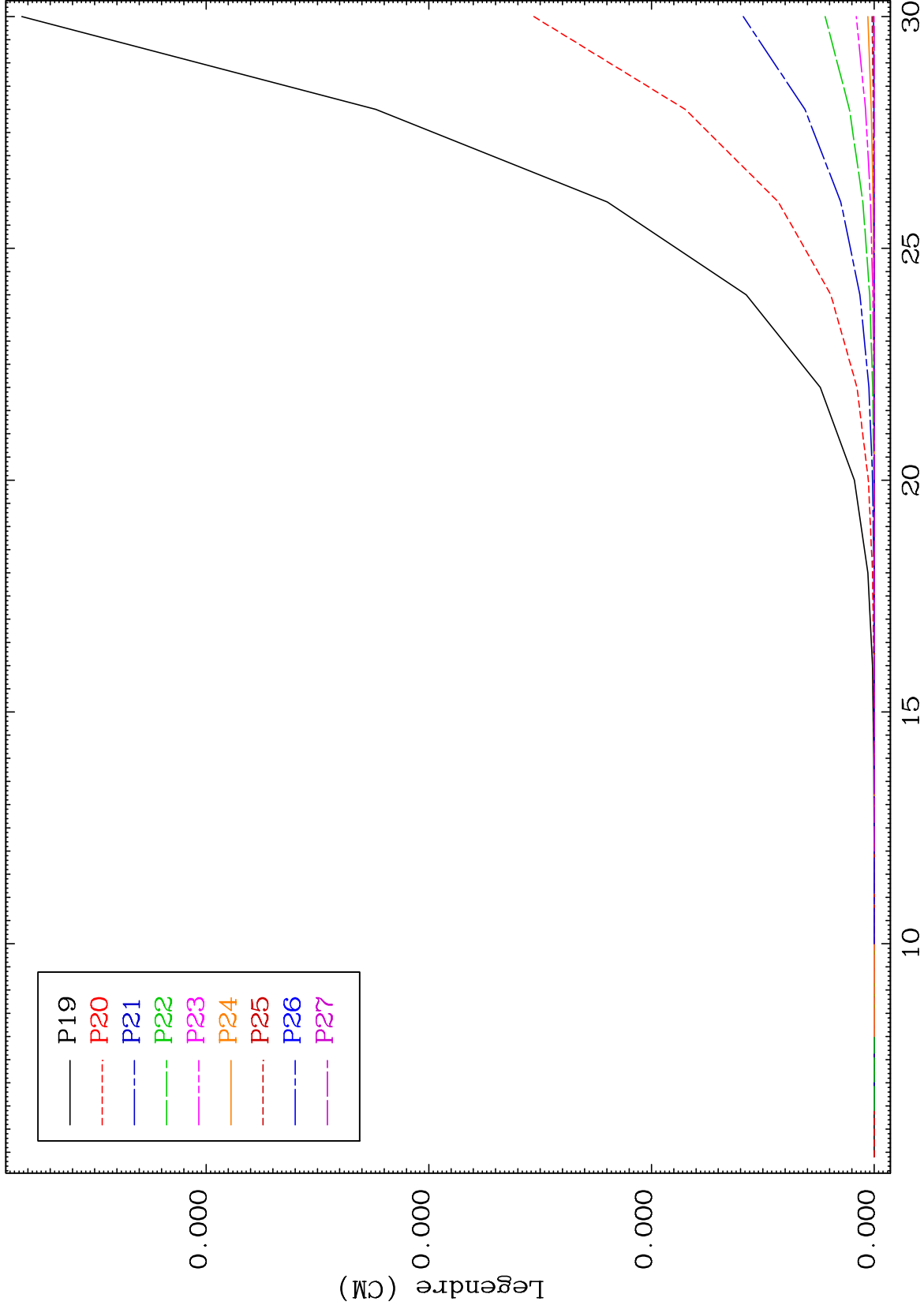
MAT 4340

43-Tc-104

MAT 4340

Elastic Legendre Coefficients

43-Tc-104



18

Incident Energy (MeV)

43-Tc-104

MAT 4340

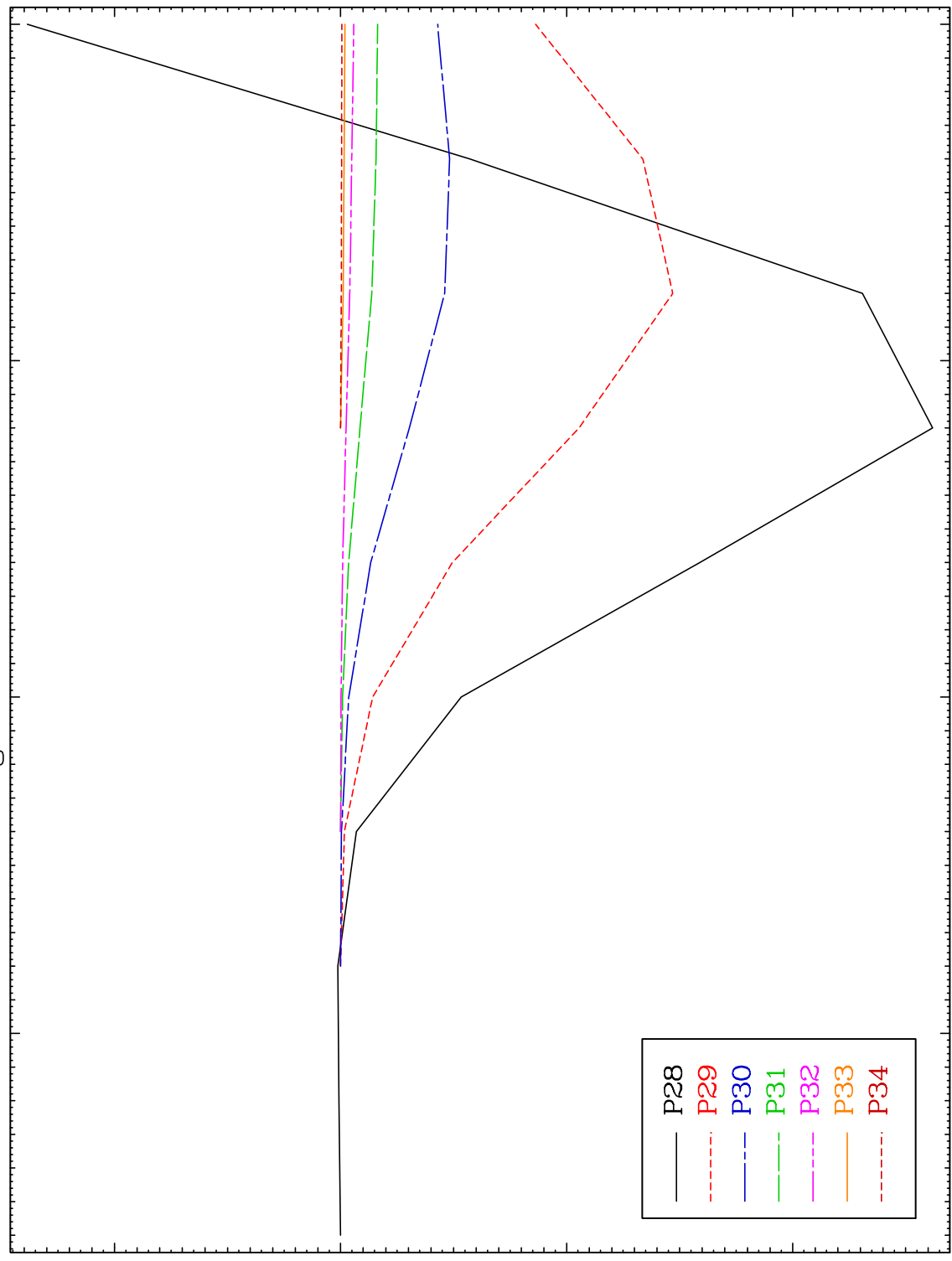
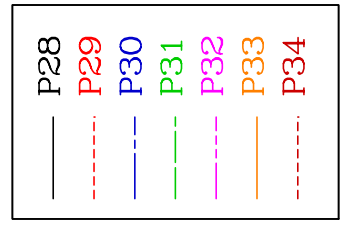
Elastic Legendre Coefficients

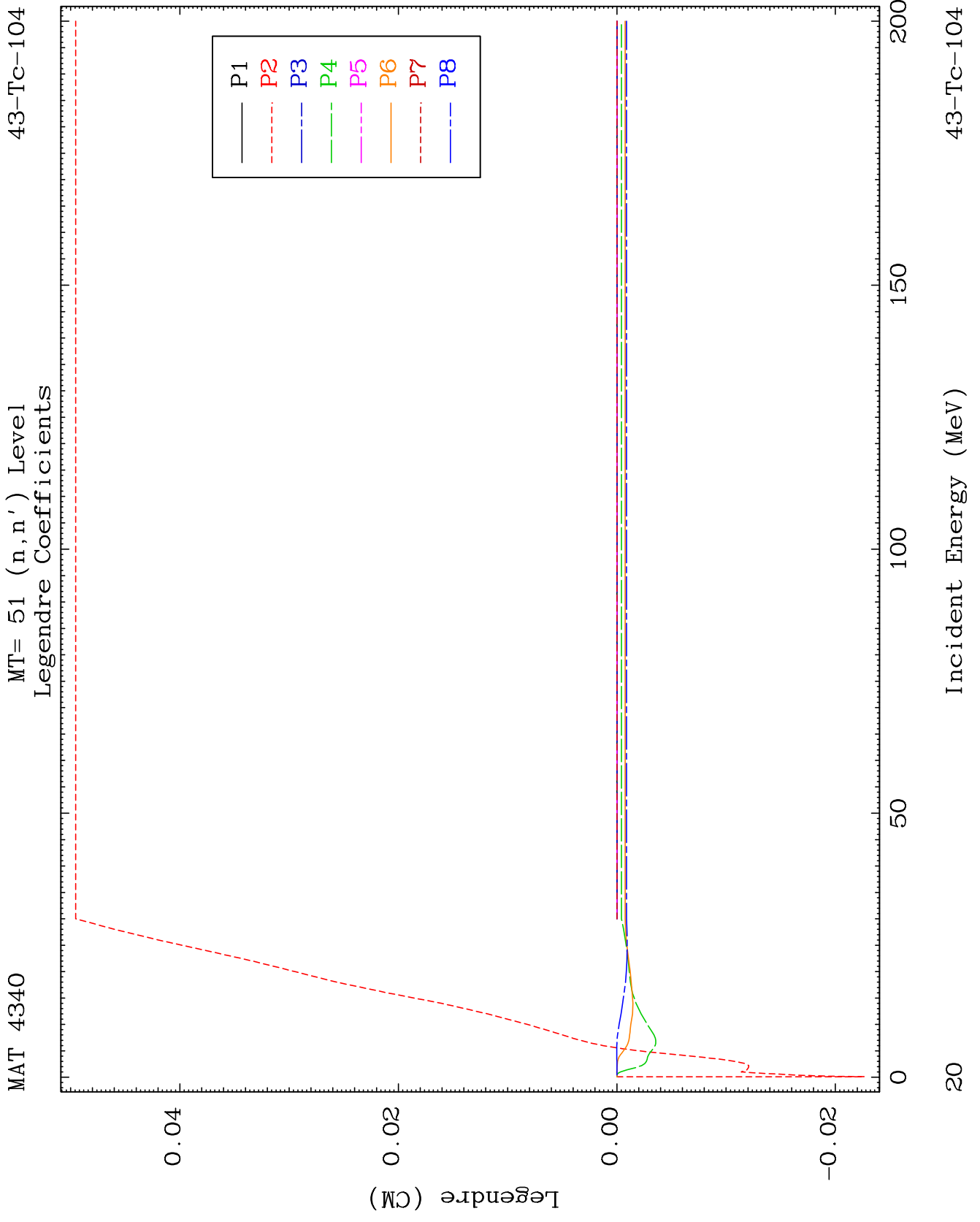
43-Tc-104

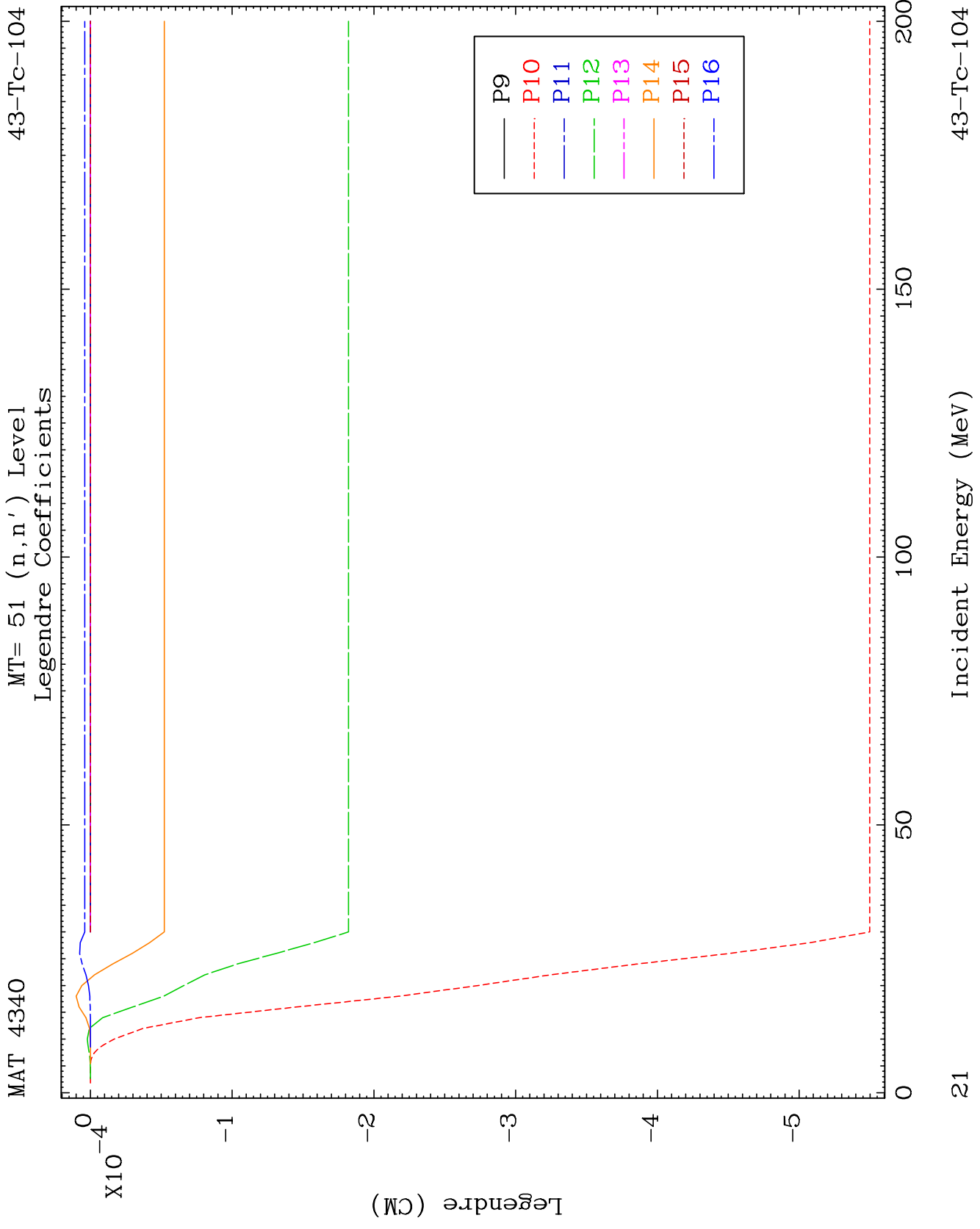
$\times 10^{-7}$   
0.5

Legendre (CM)  
0.0  
-0.5  
-1.0

Incident Energy (MeV)  
15  
20  
25  
30  
43-Tc-104





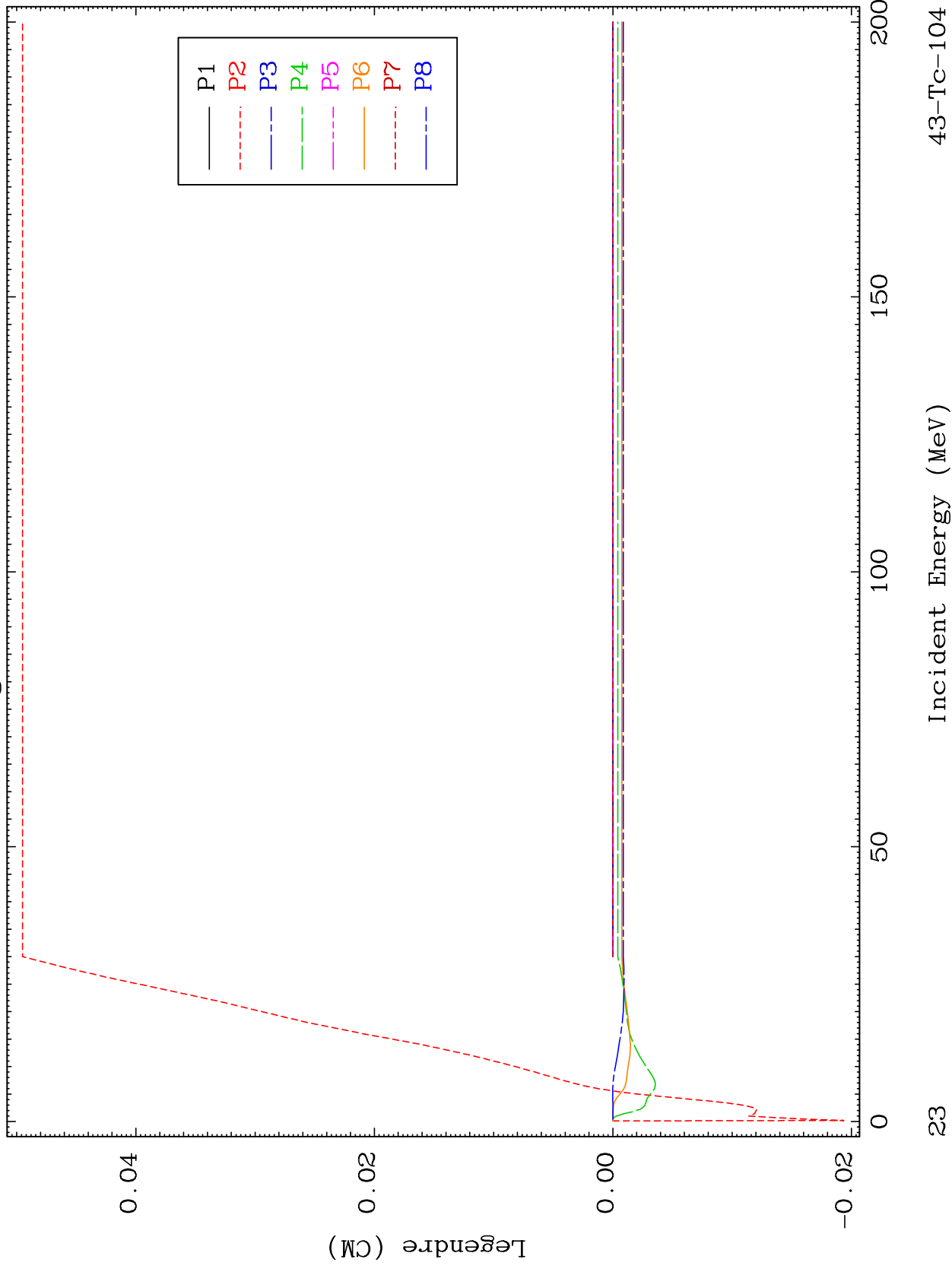




MAT 4340

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

43-Tc-104

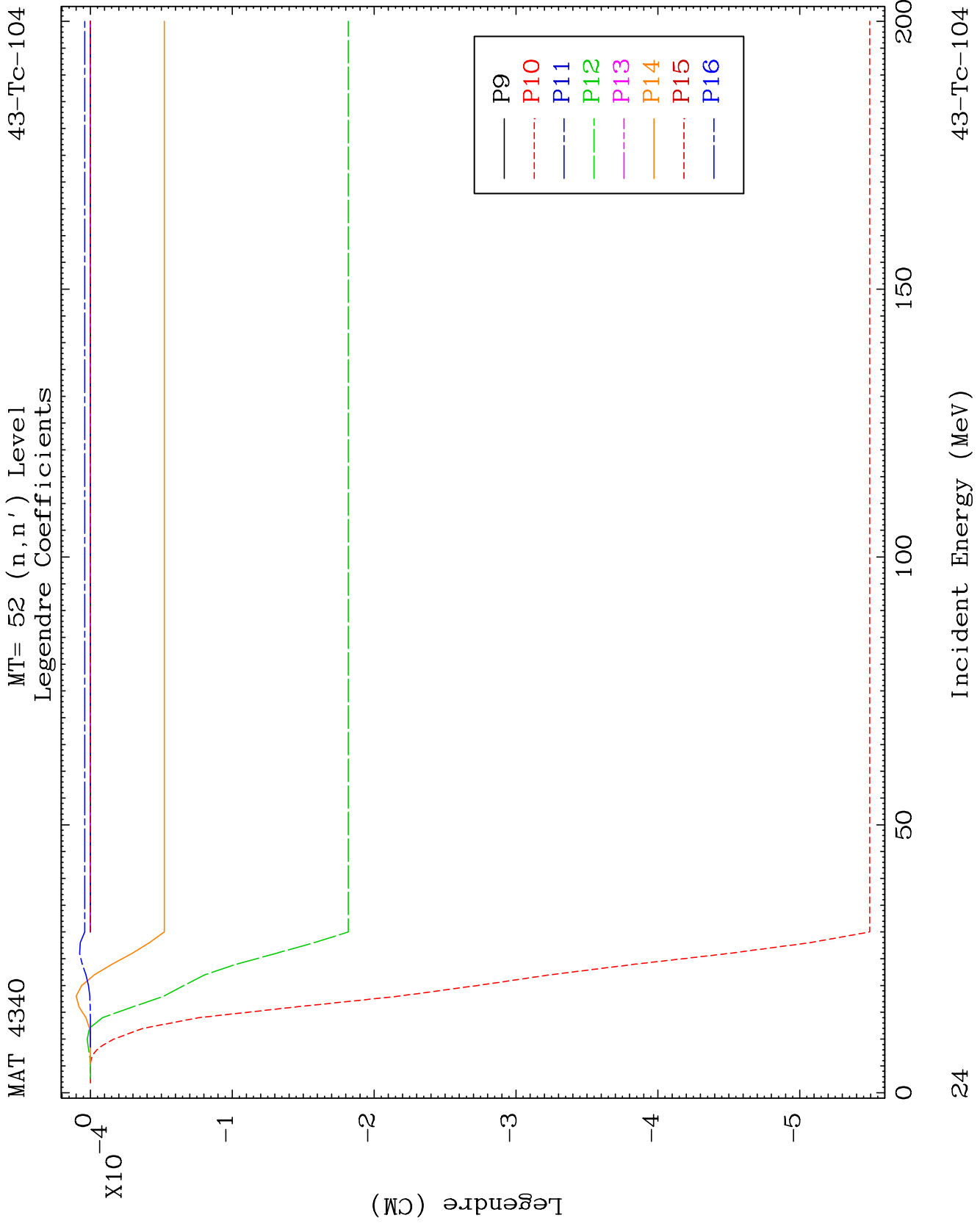


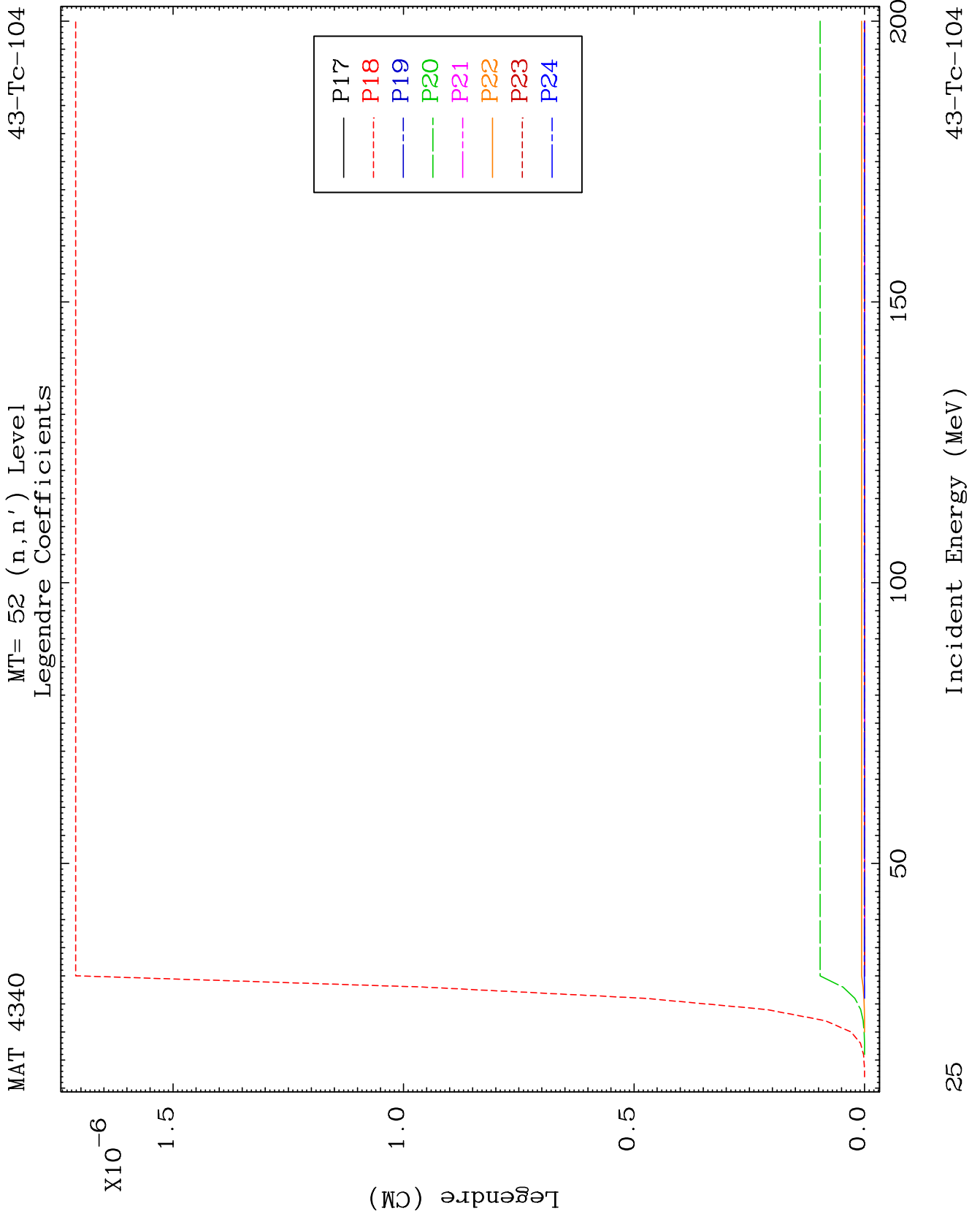
23

Incident Energy (MeV)

43-Tc-104



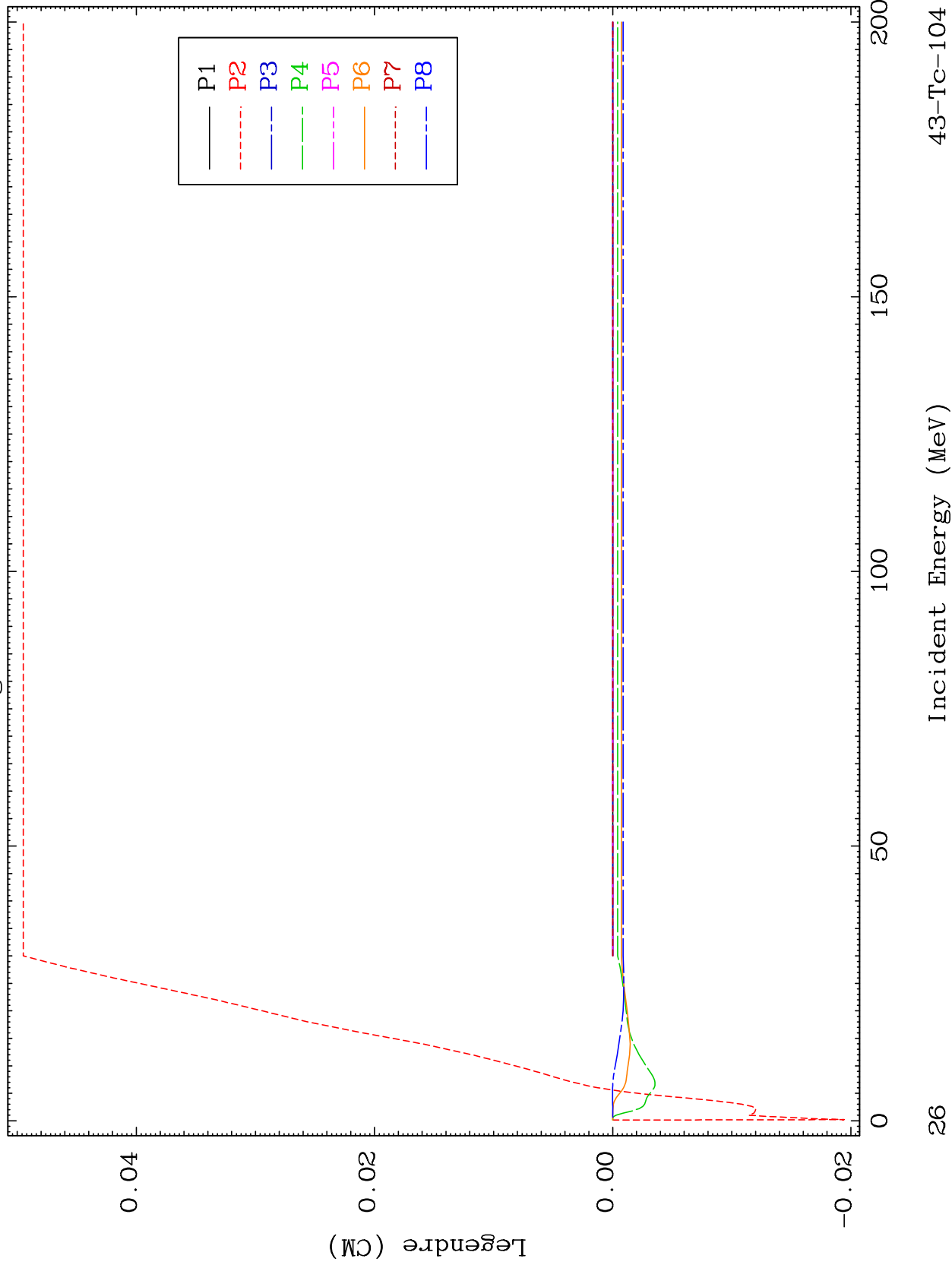




MAT 4340

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

43-Tc-104



26

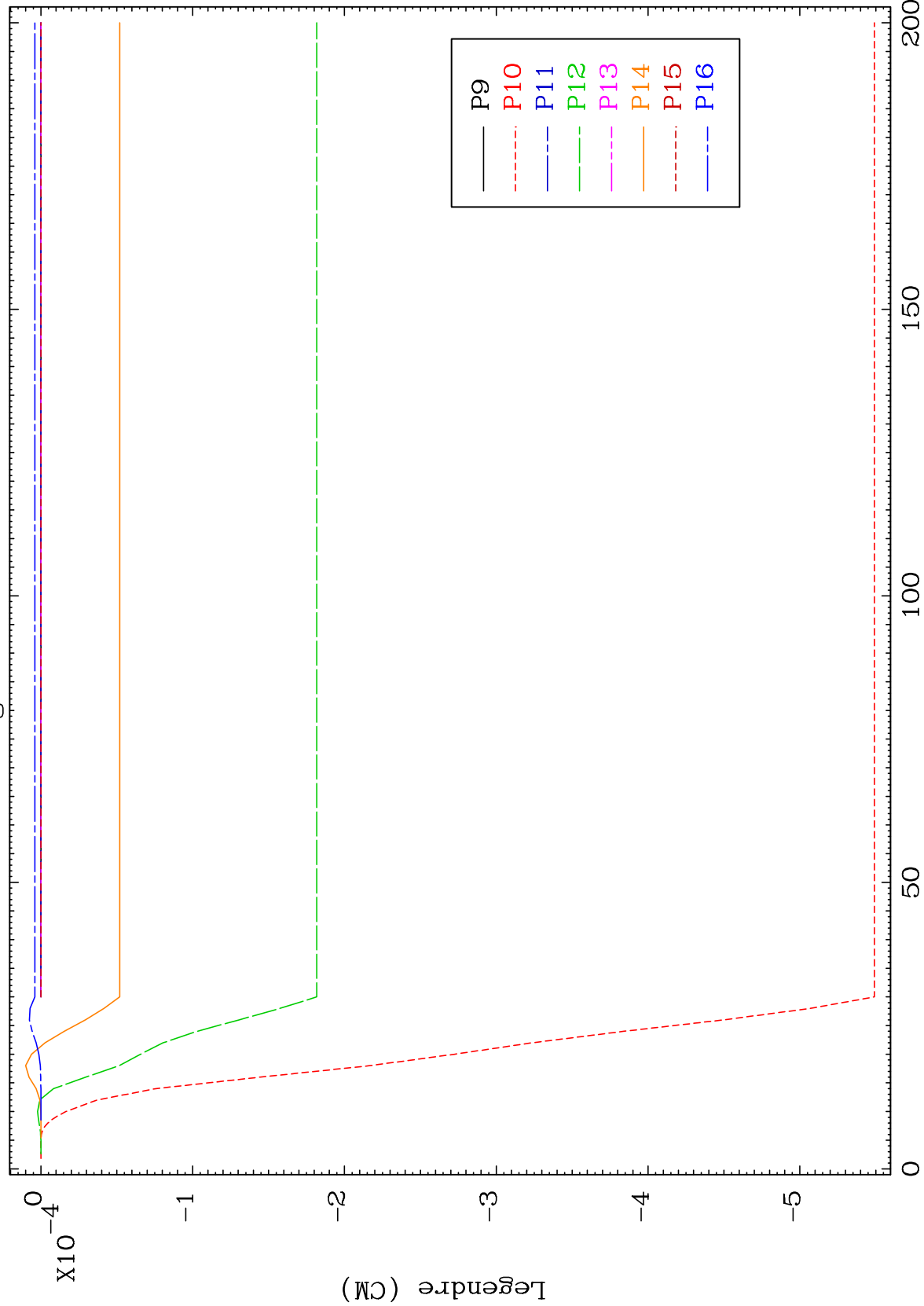
Incident Energy (MeV)

43-Tc-104

MAT 4340

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

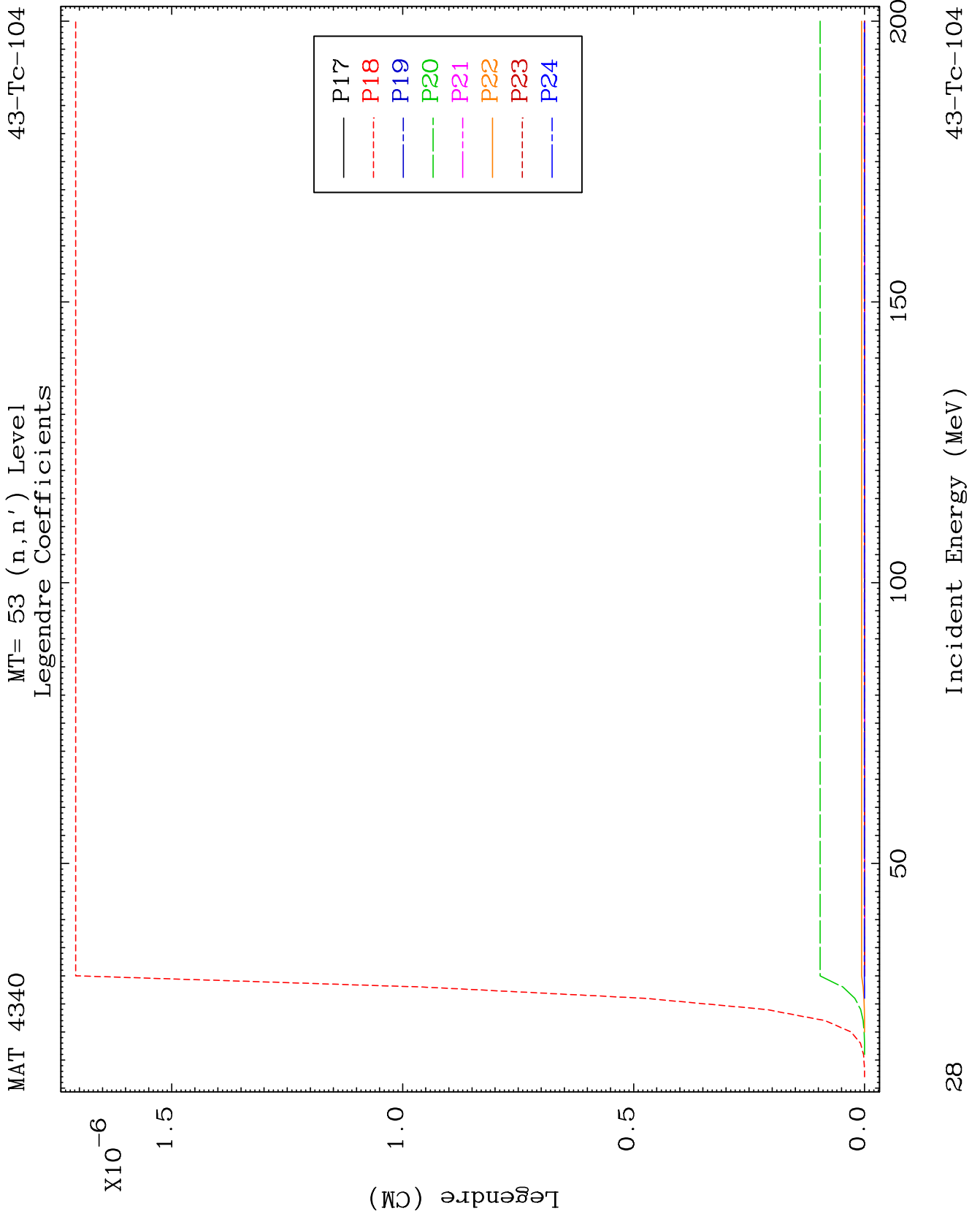
43-Tc-104



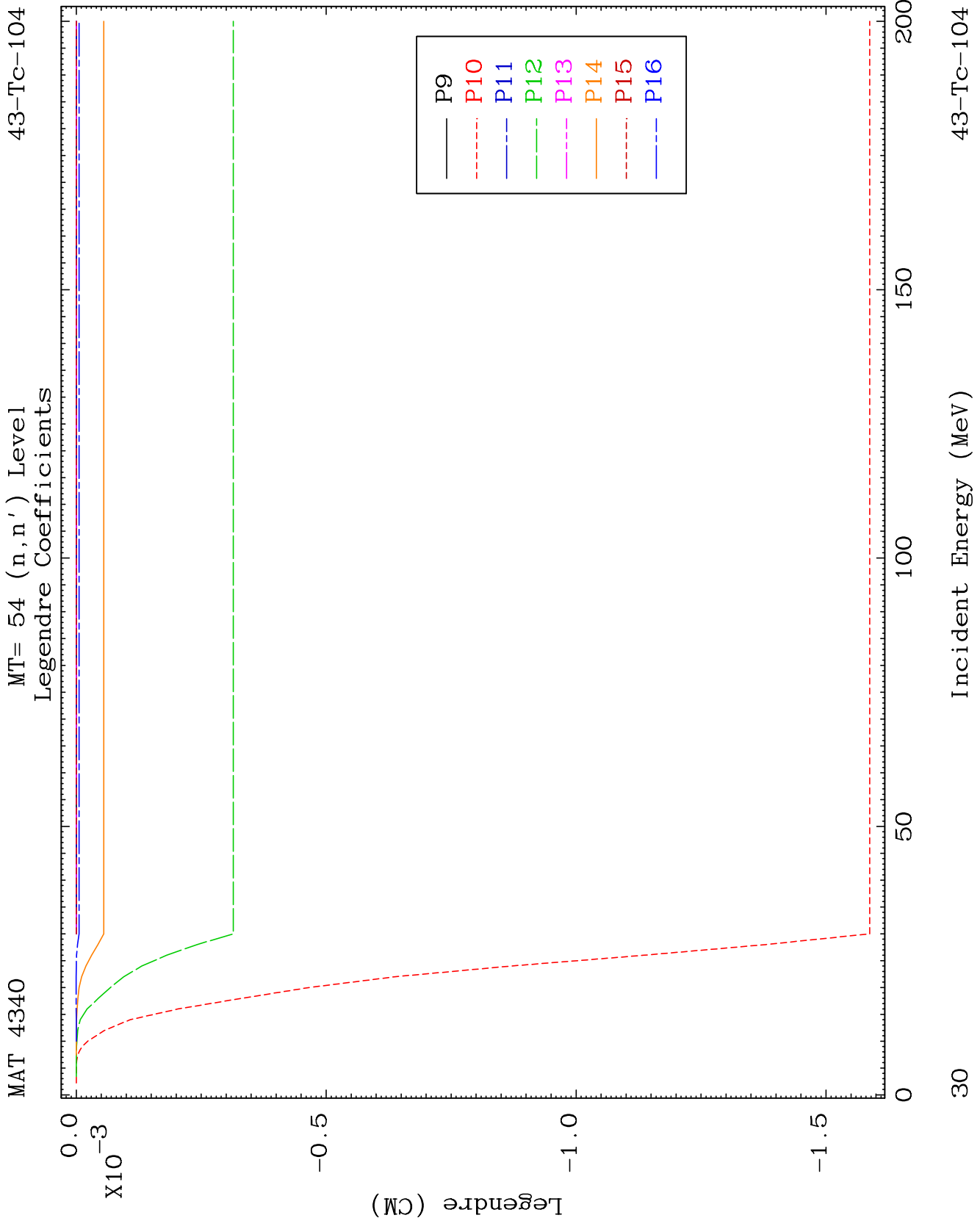
27

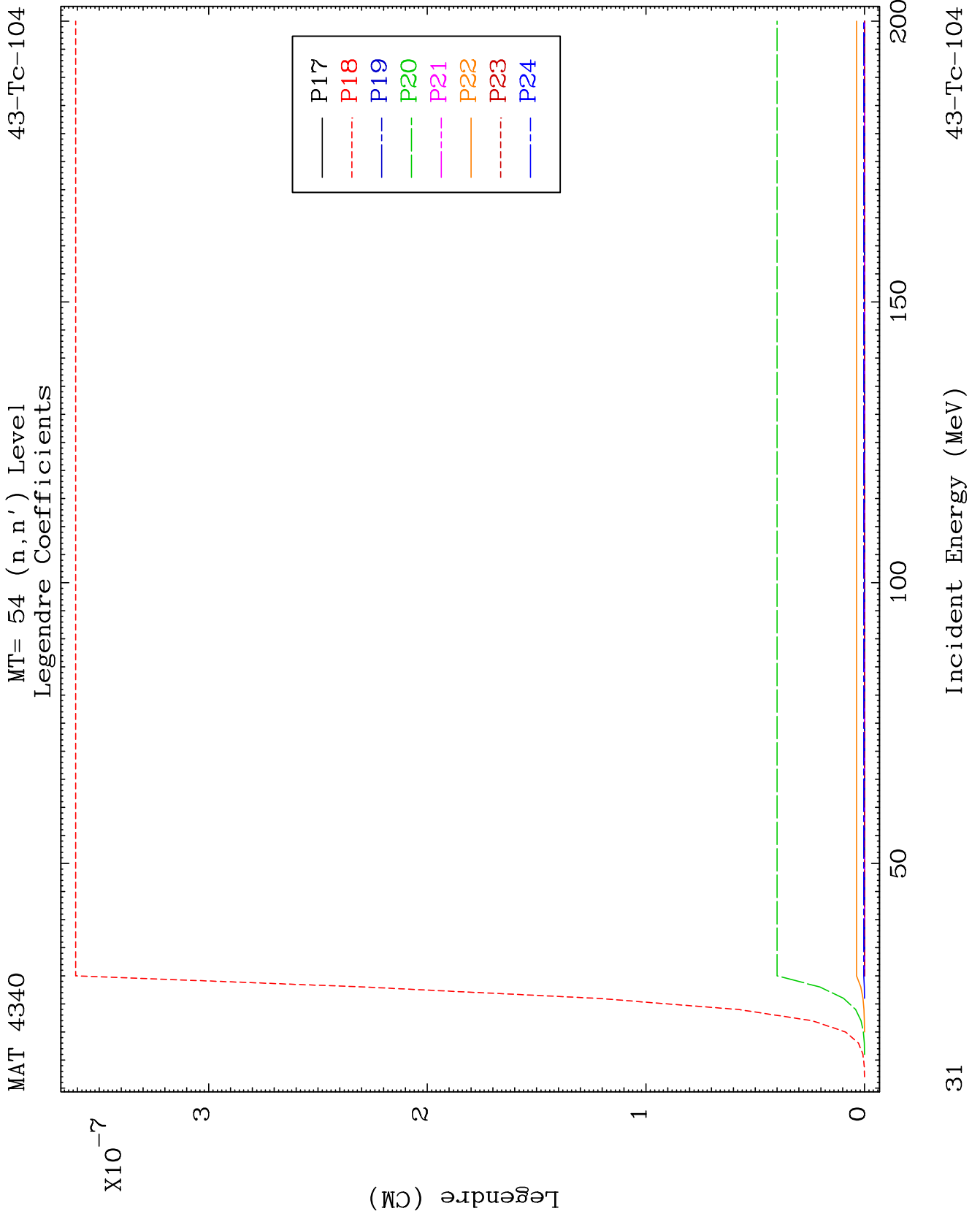
Incident Energy (MeV)

43-Tc-104

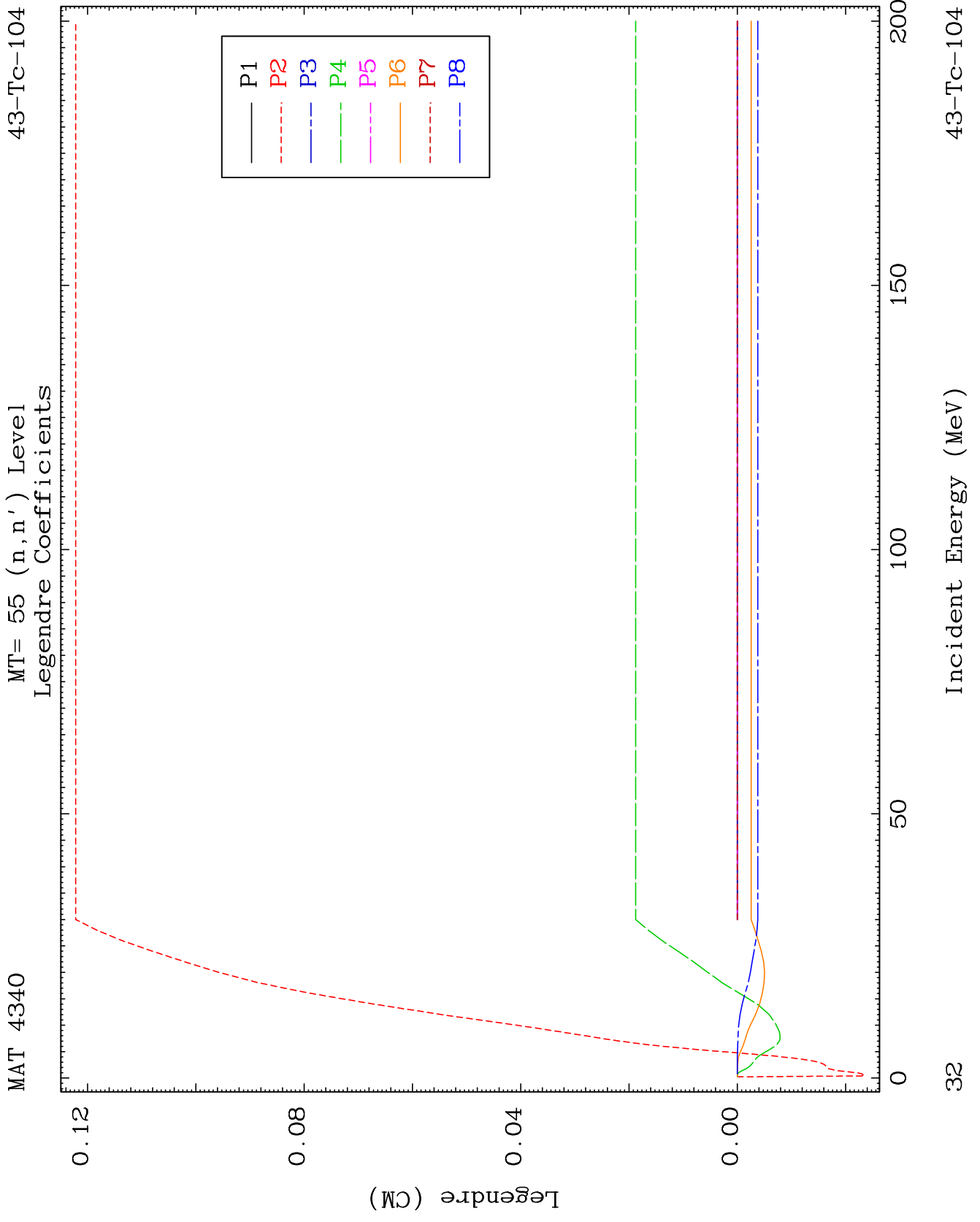


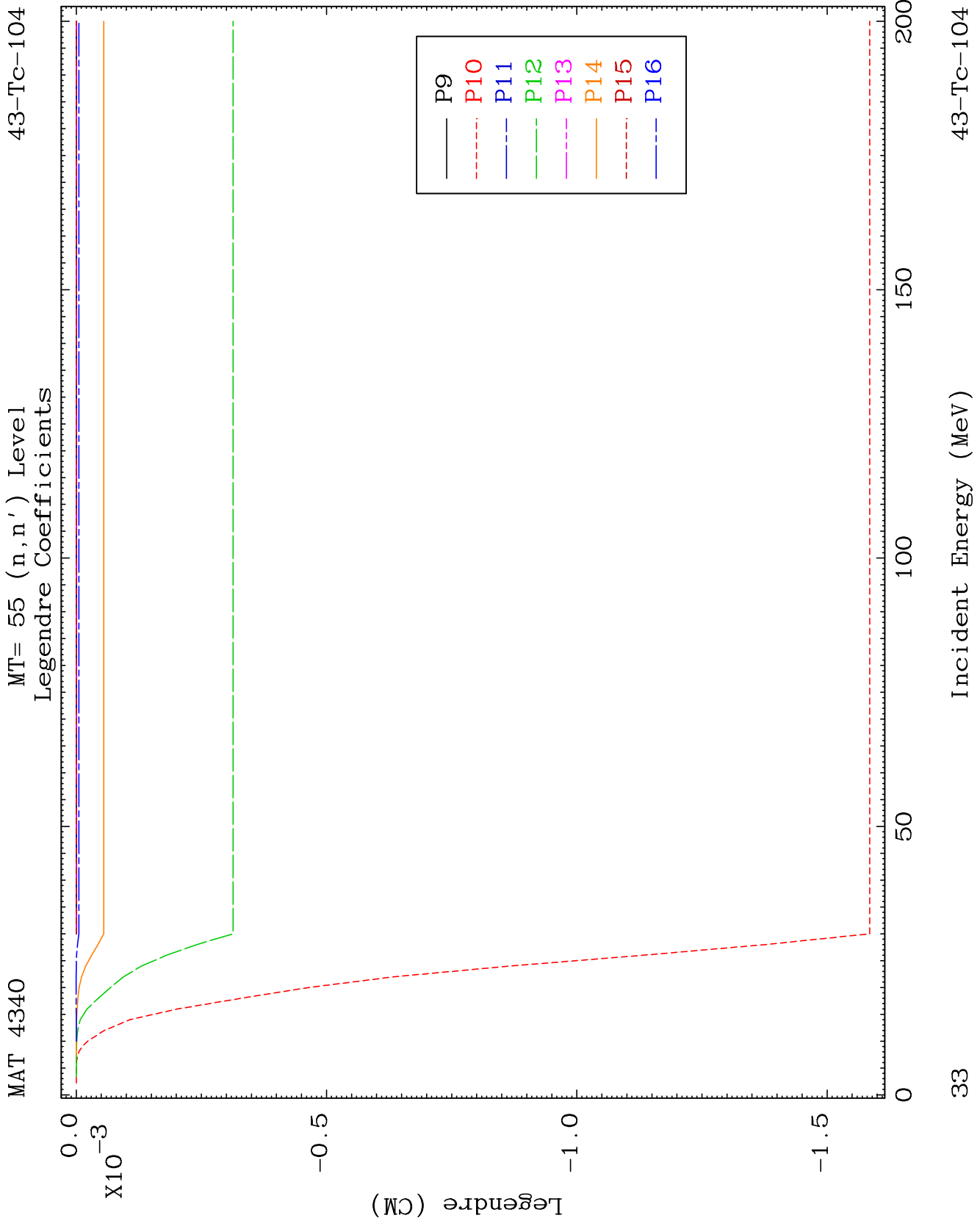


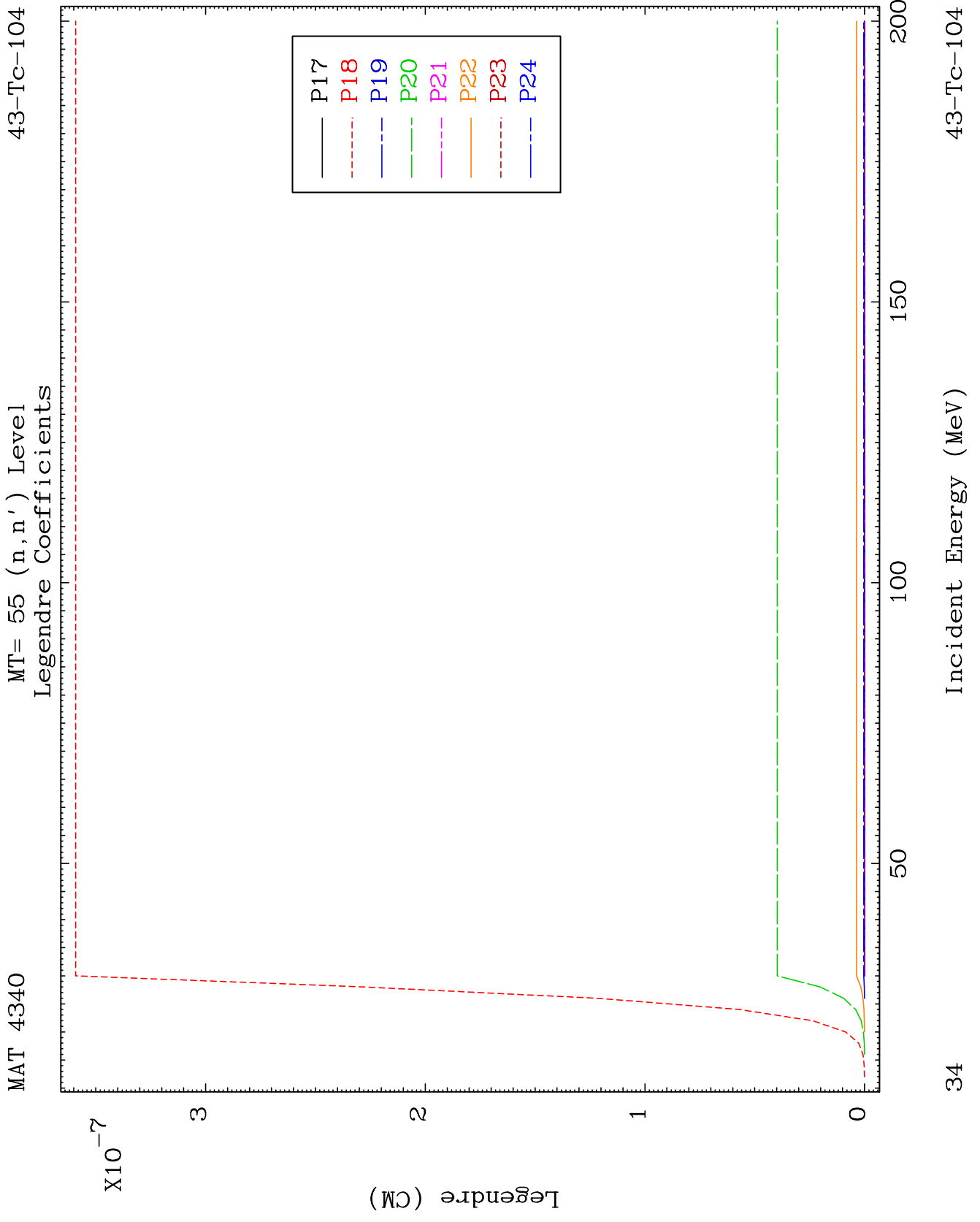


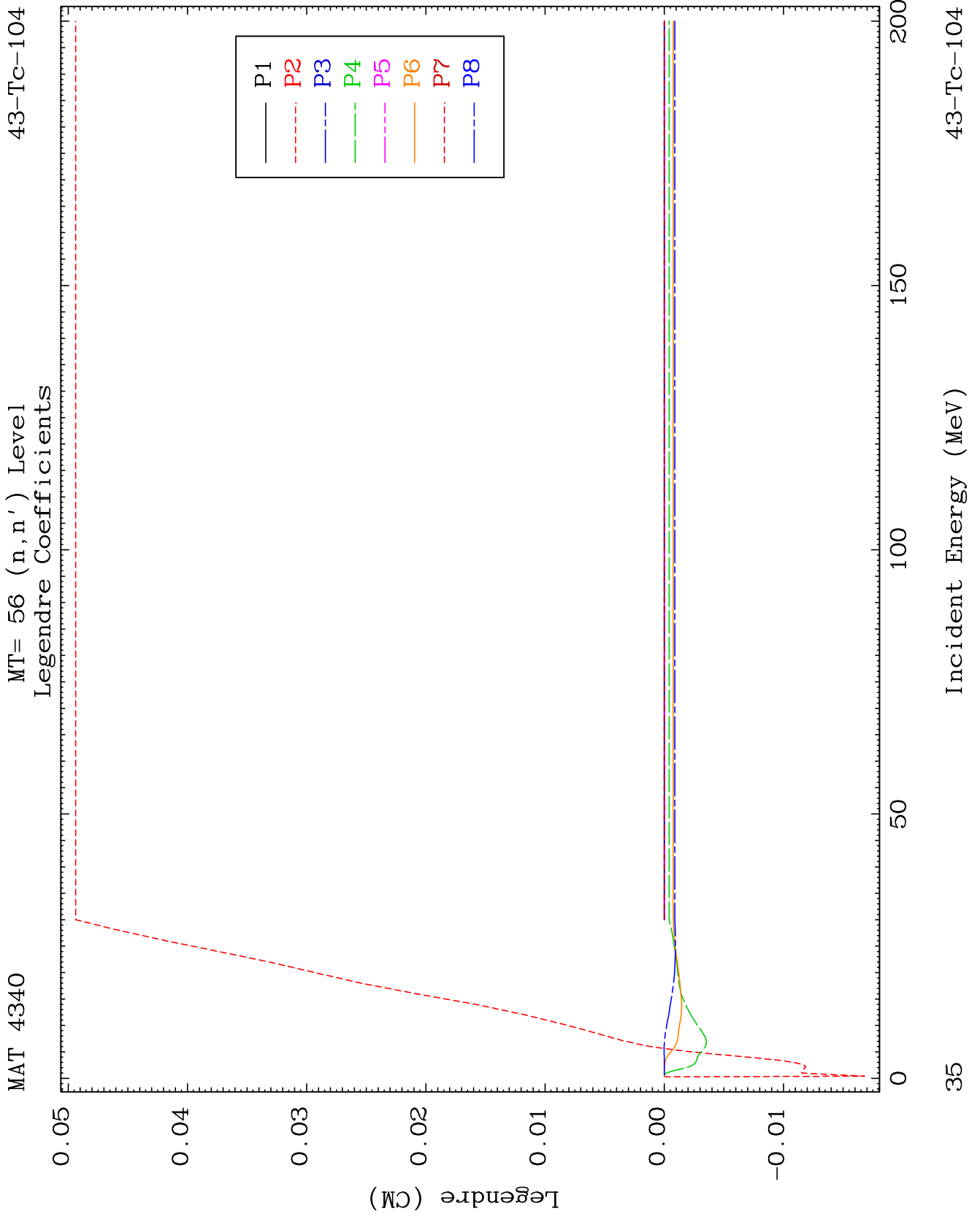


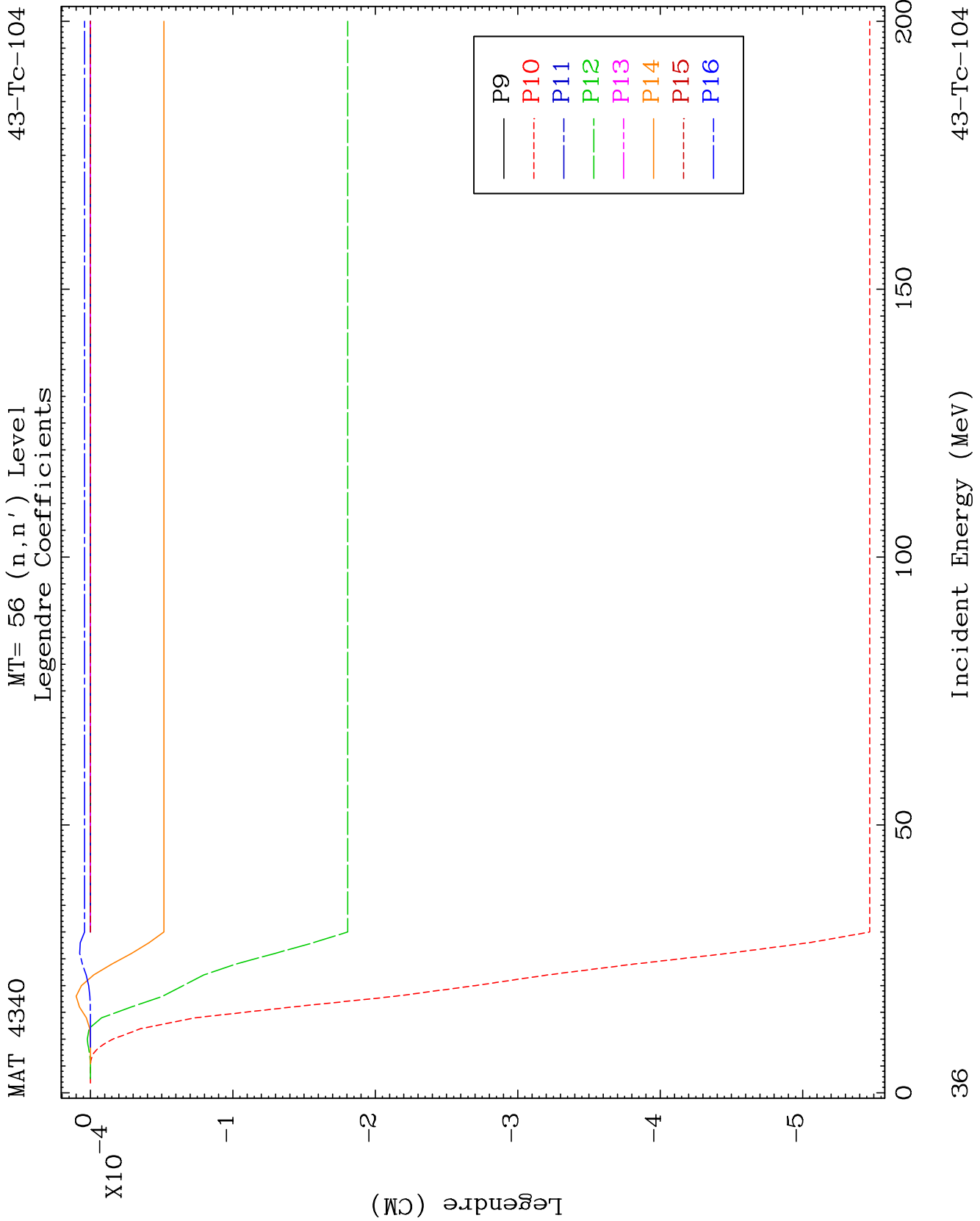


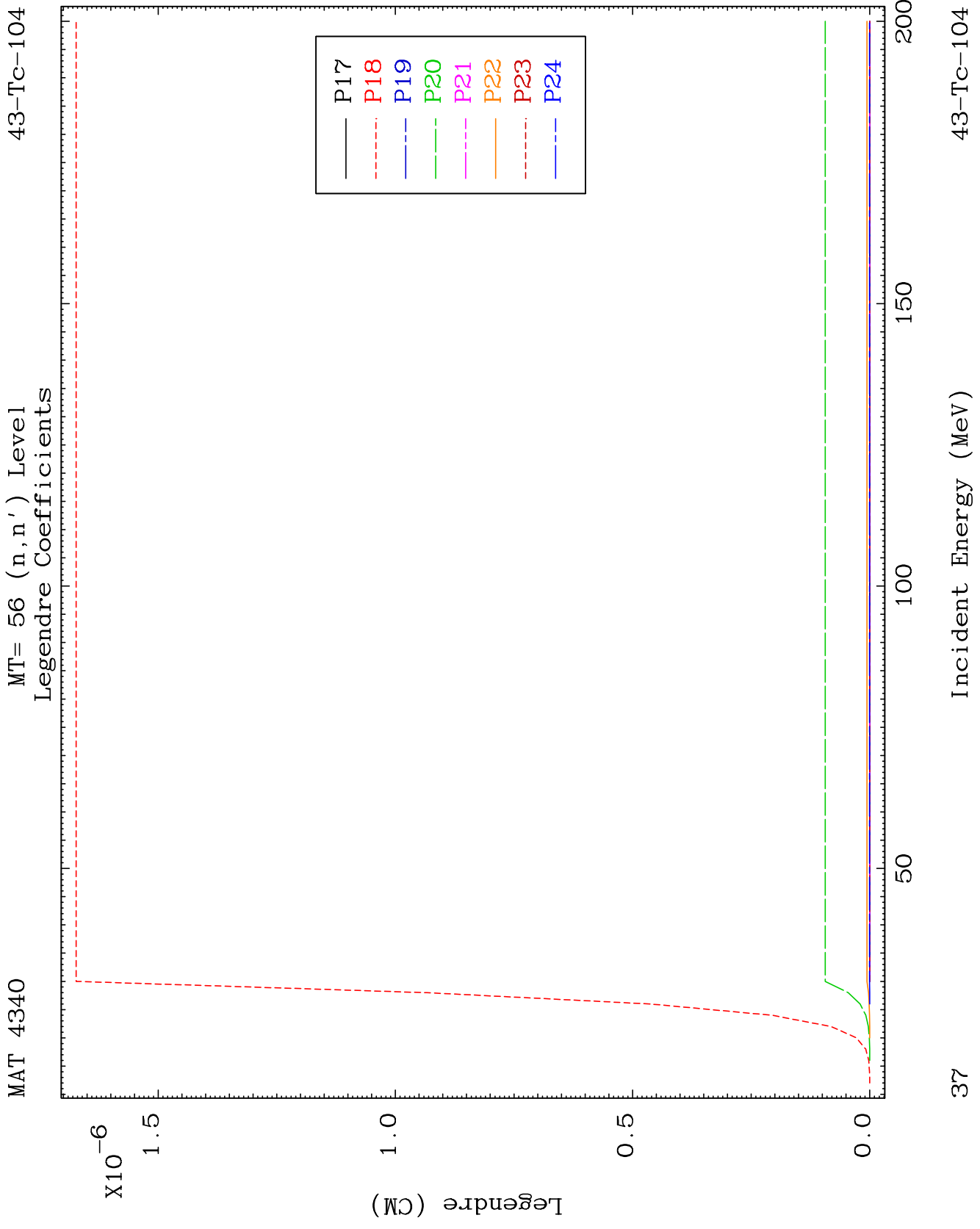




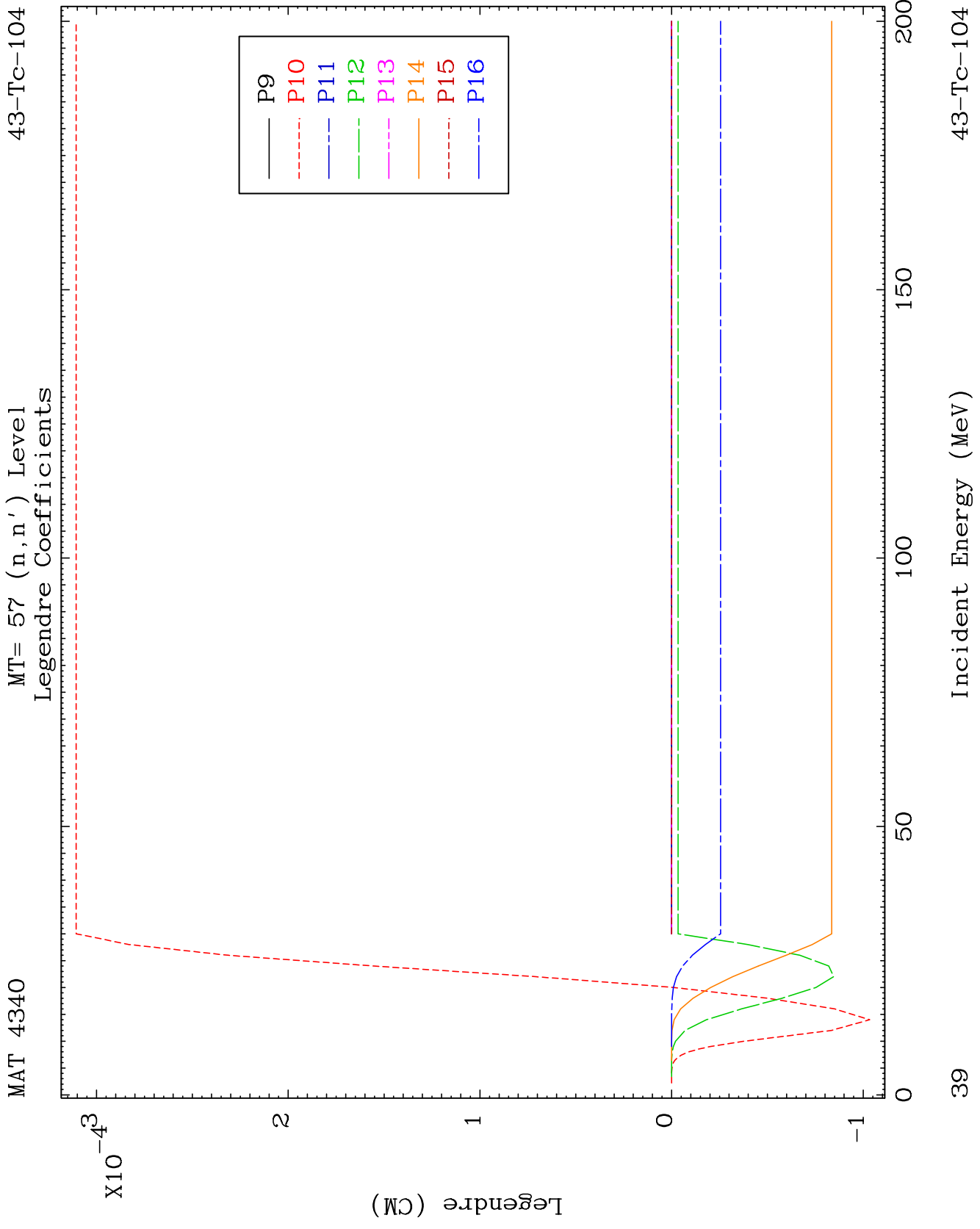




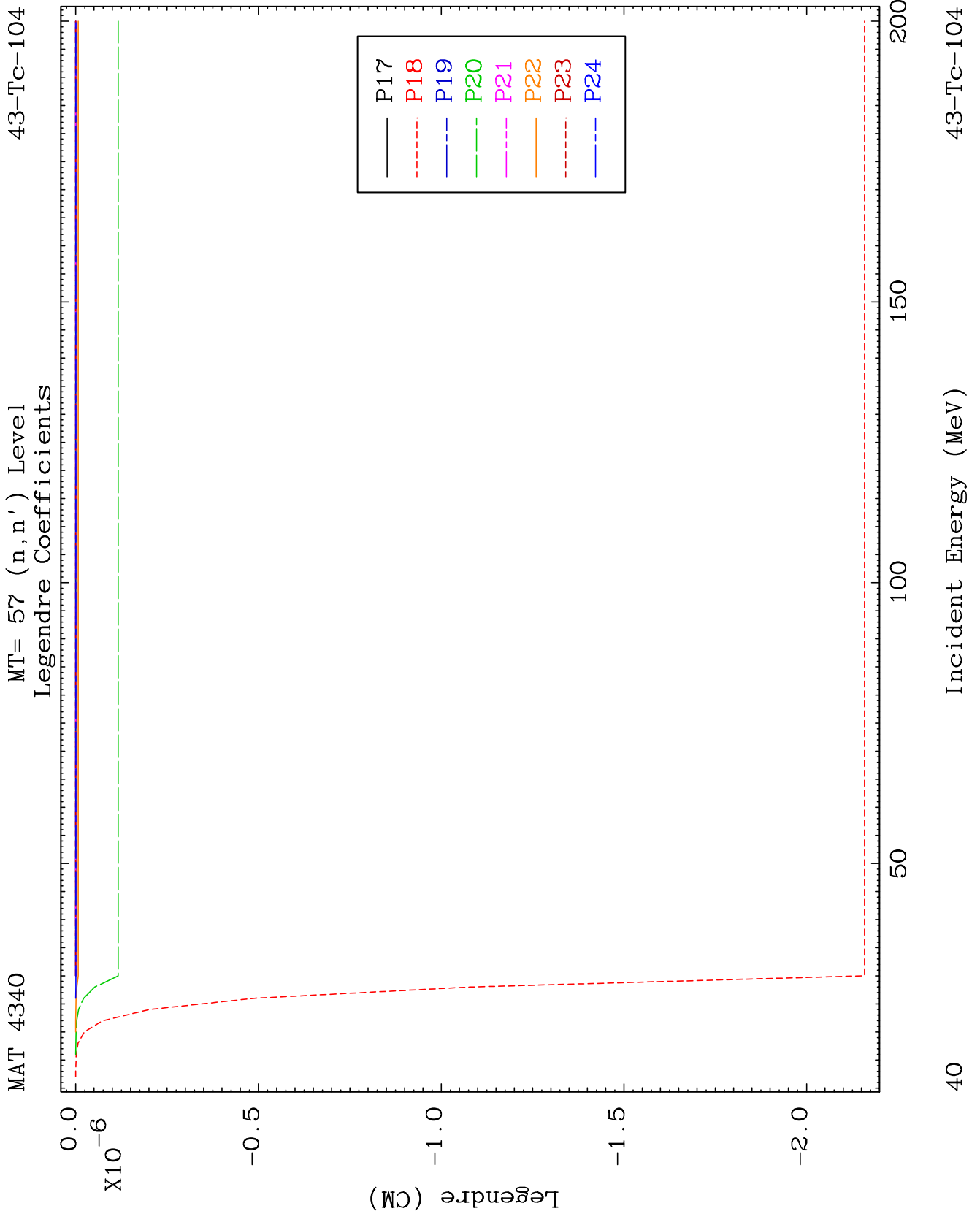








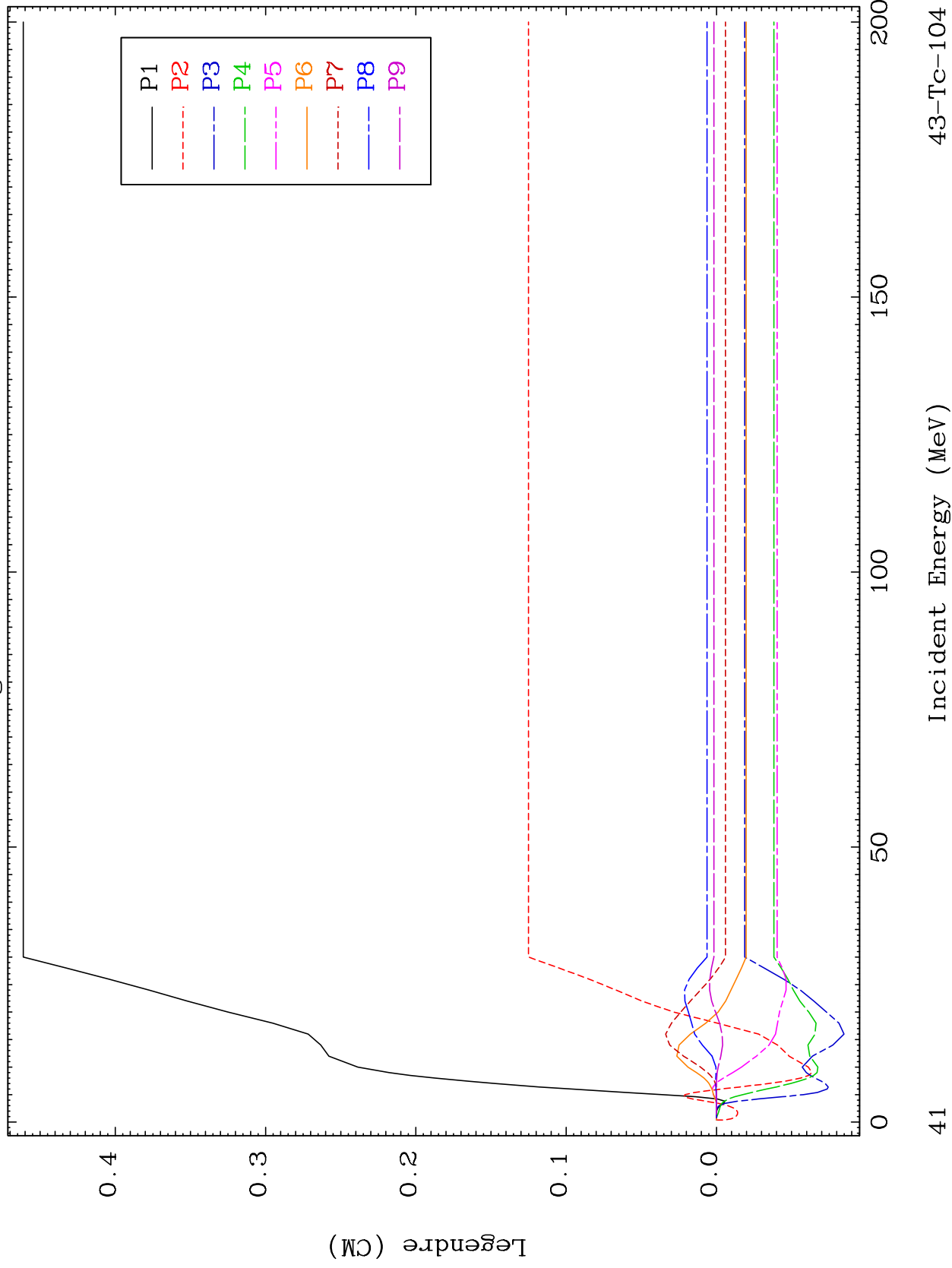




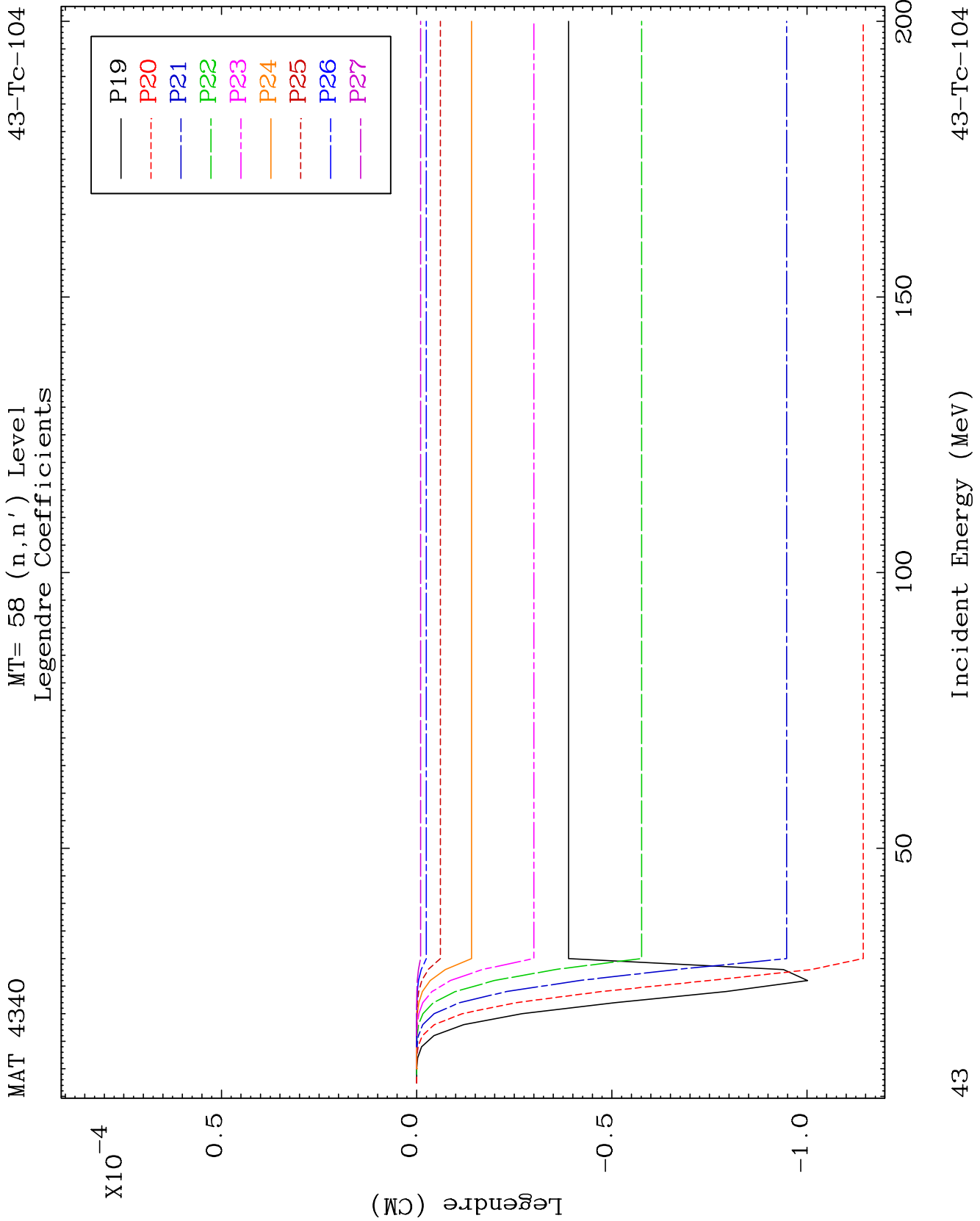
MAT 4340

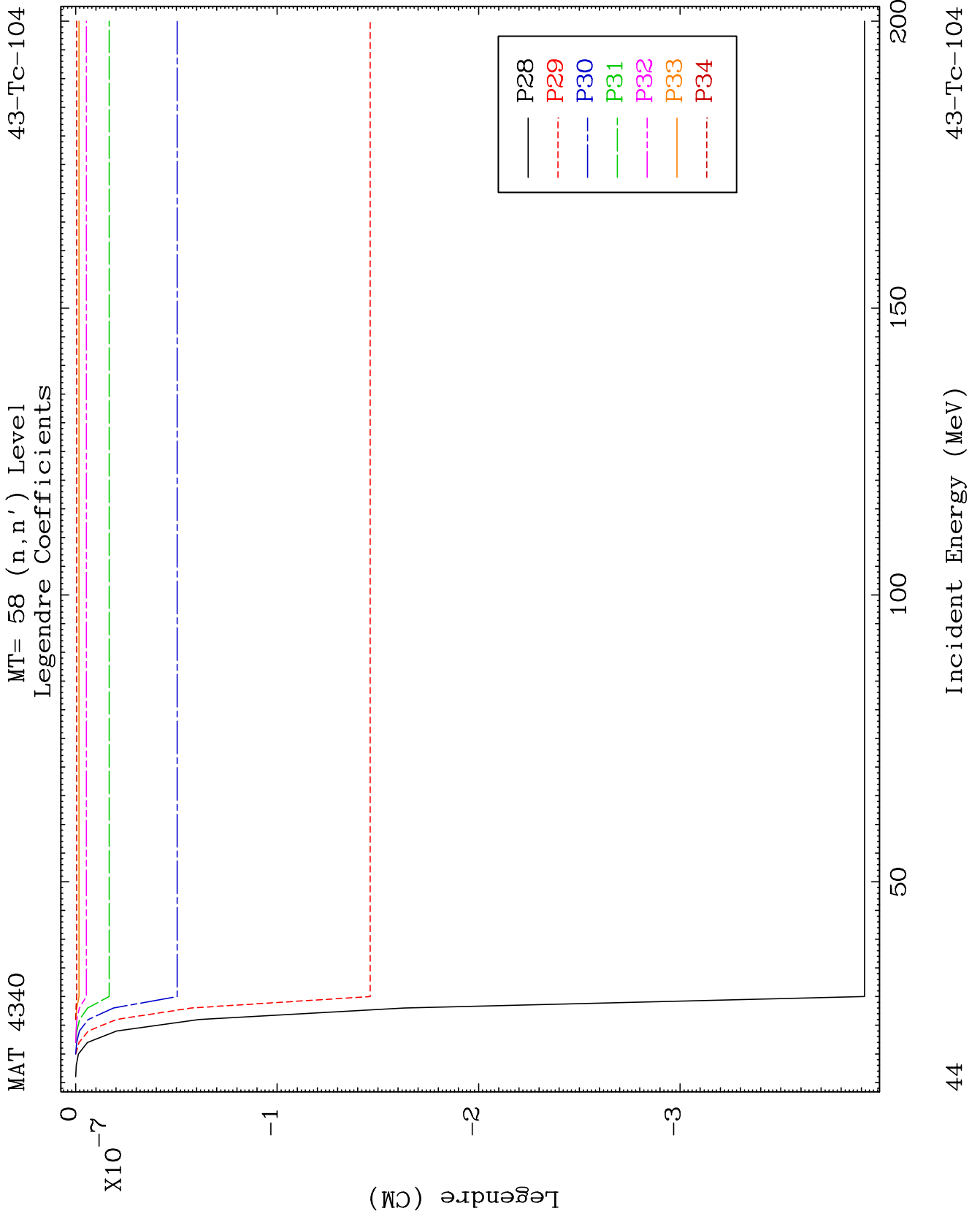
MT= 58 (n,n') Level  
Legendre Coefficients

43-Tc-104

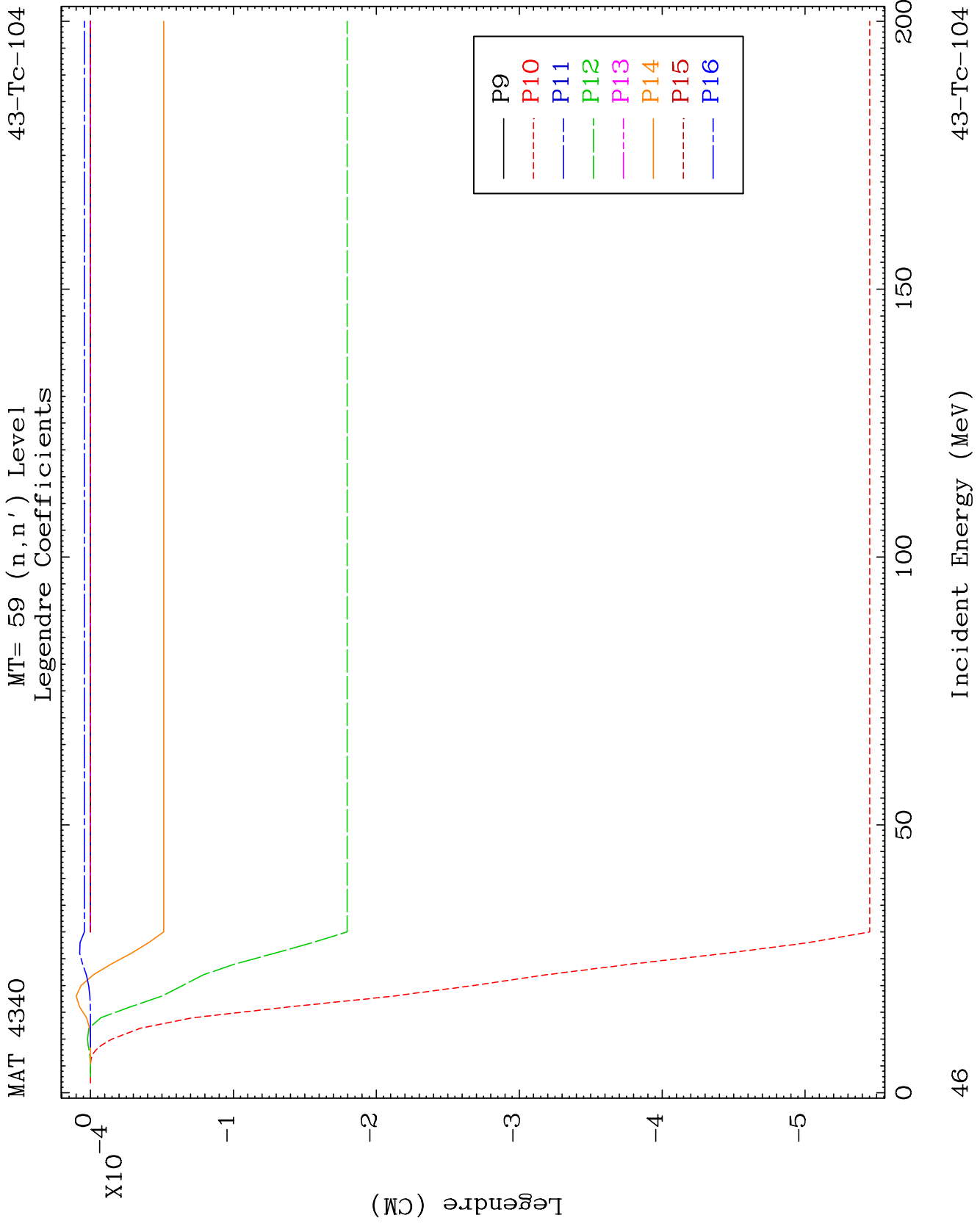


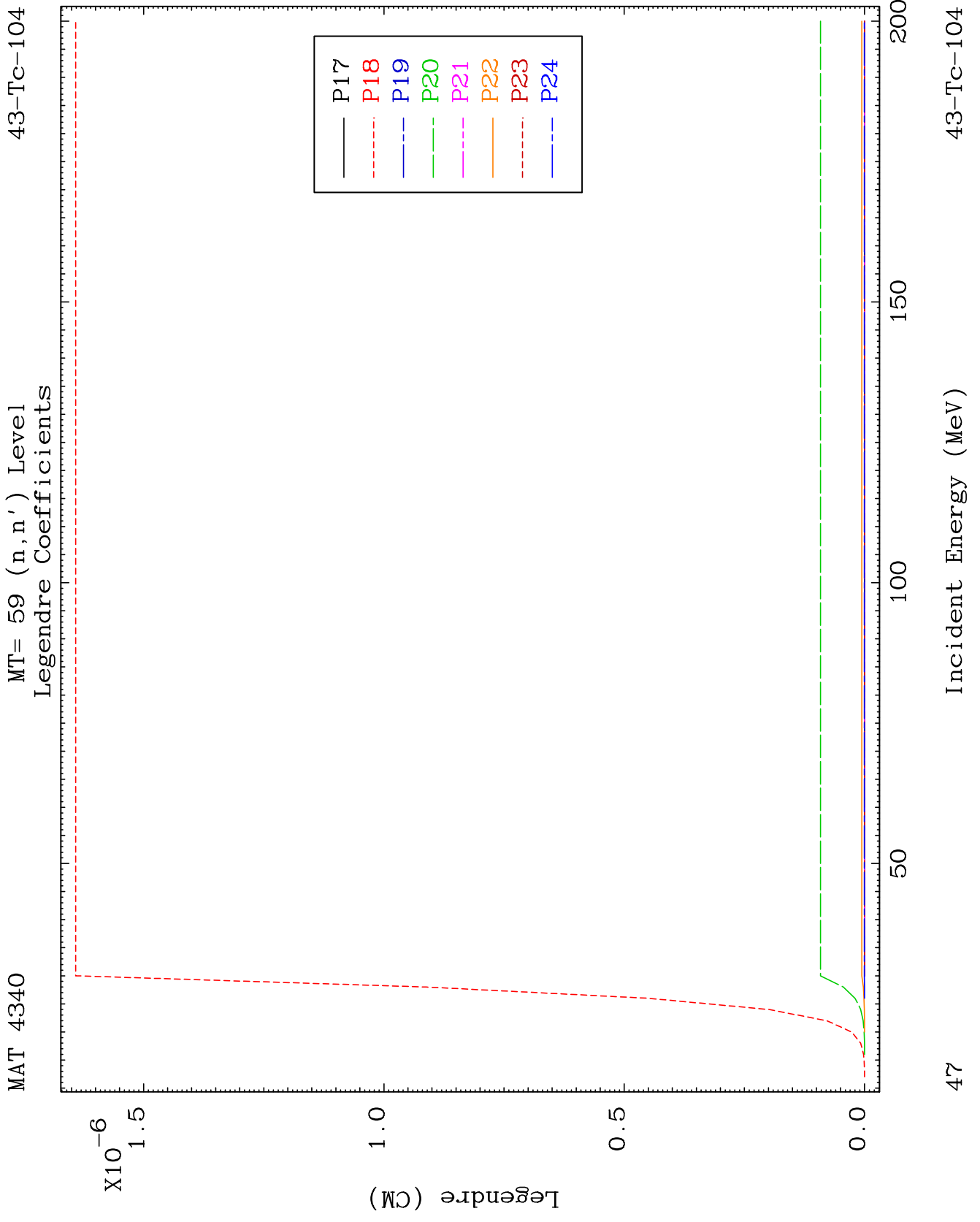






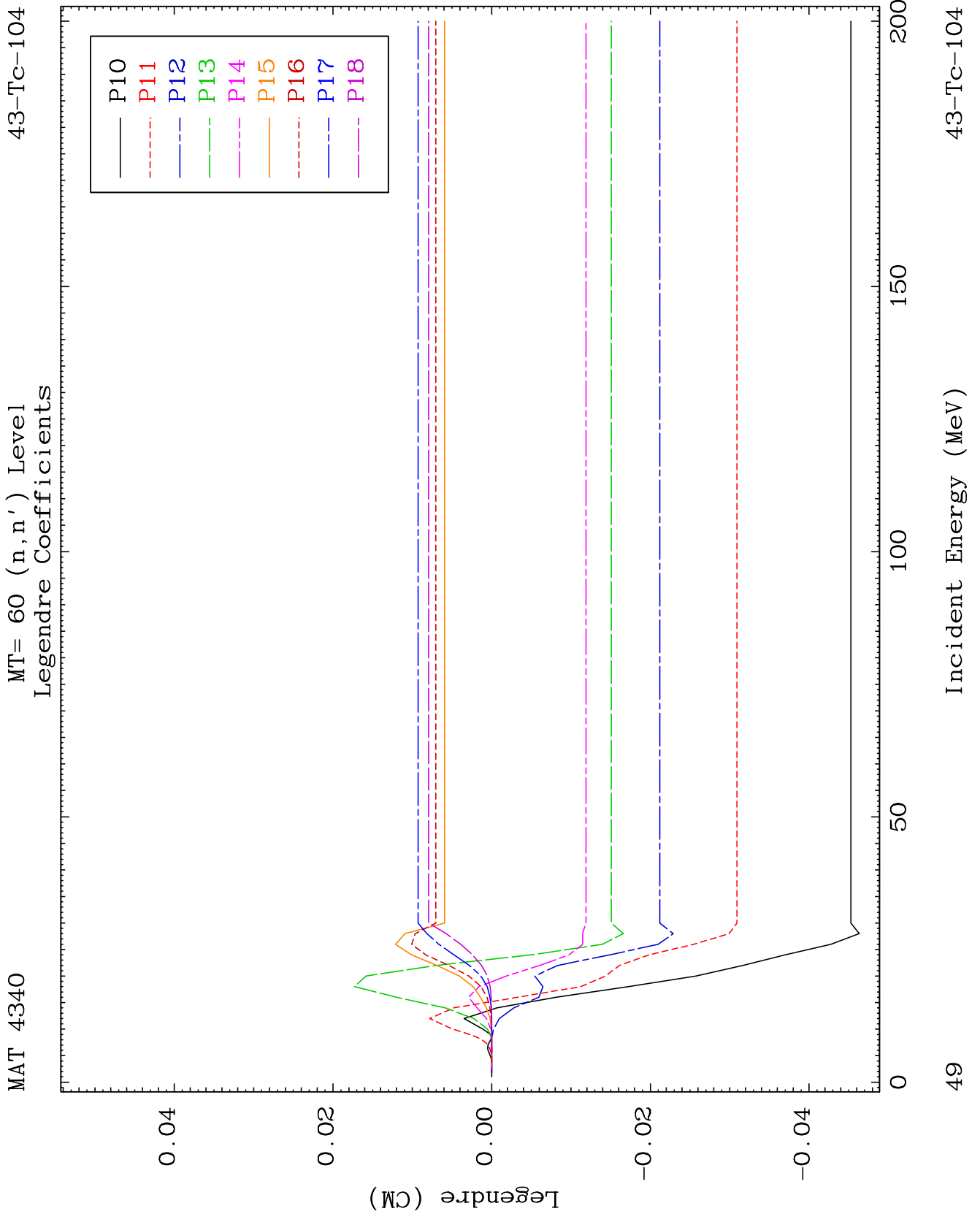








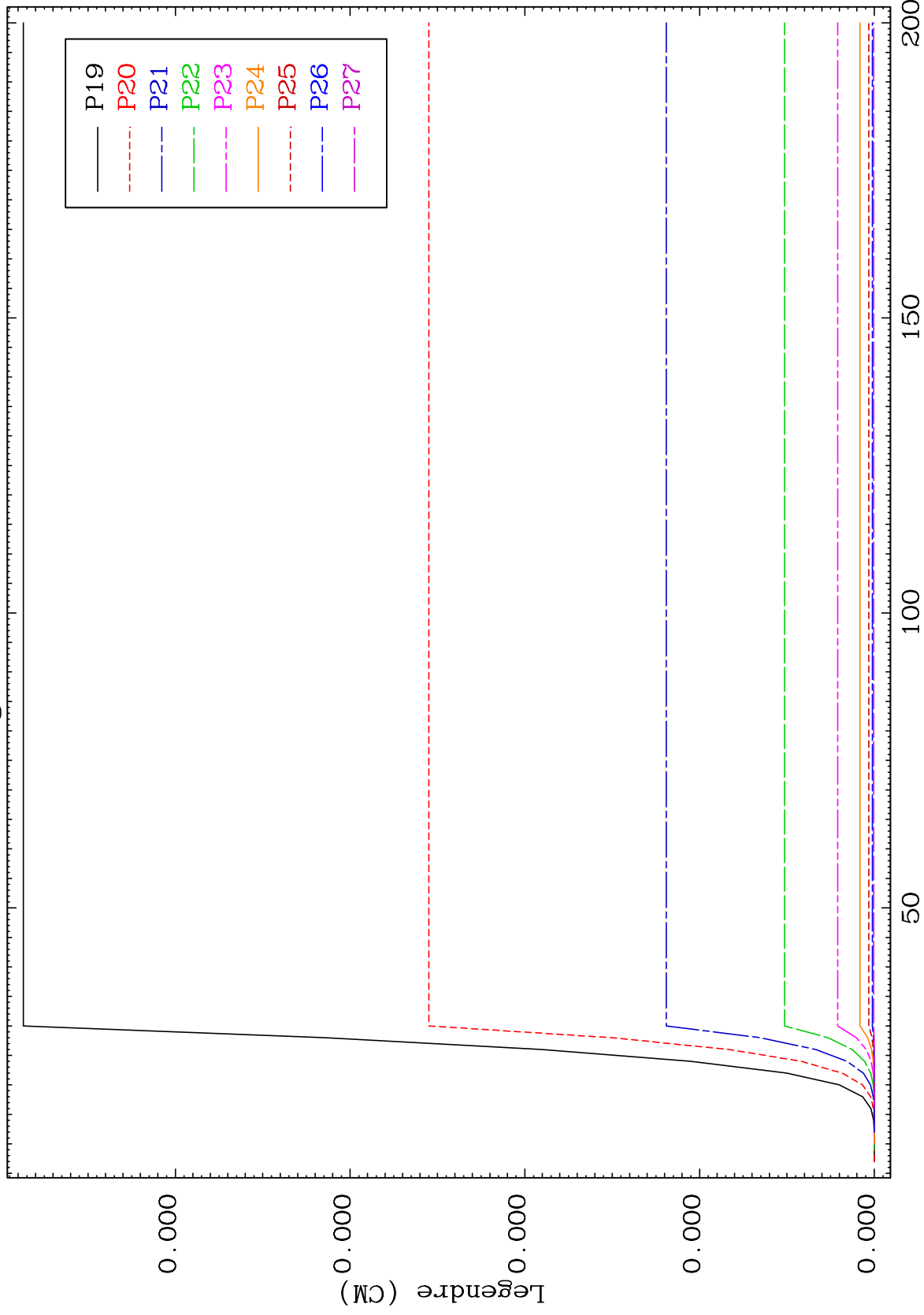




MAT 4340

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

43-Tc-104



50

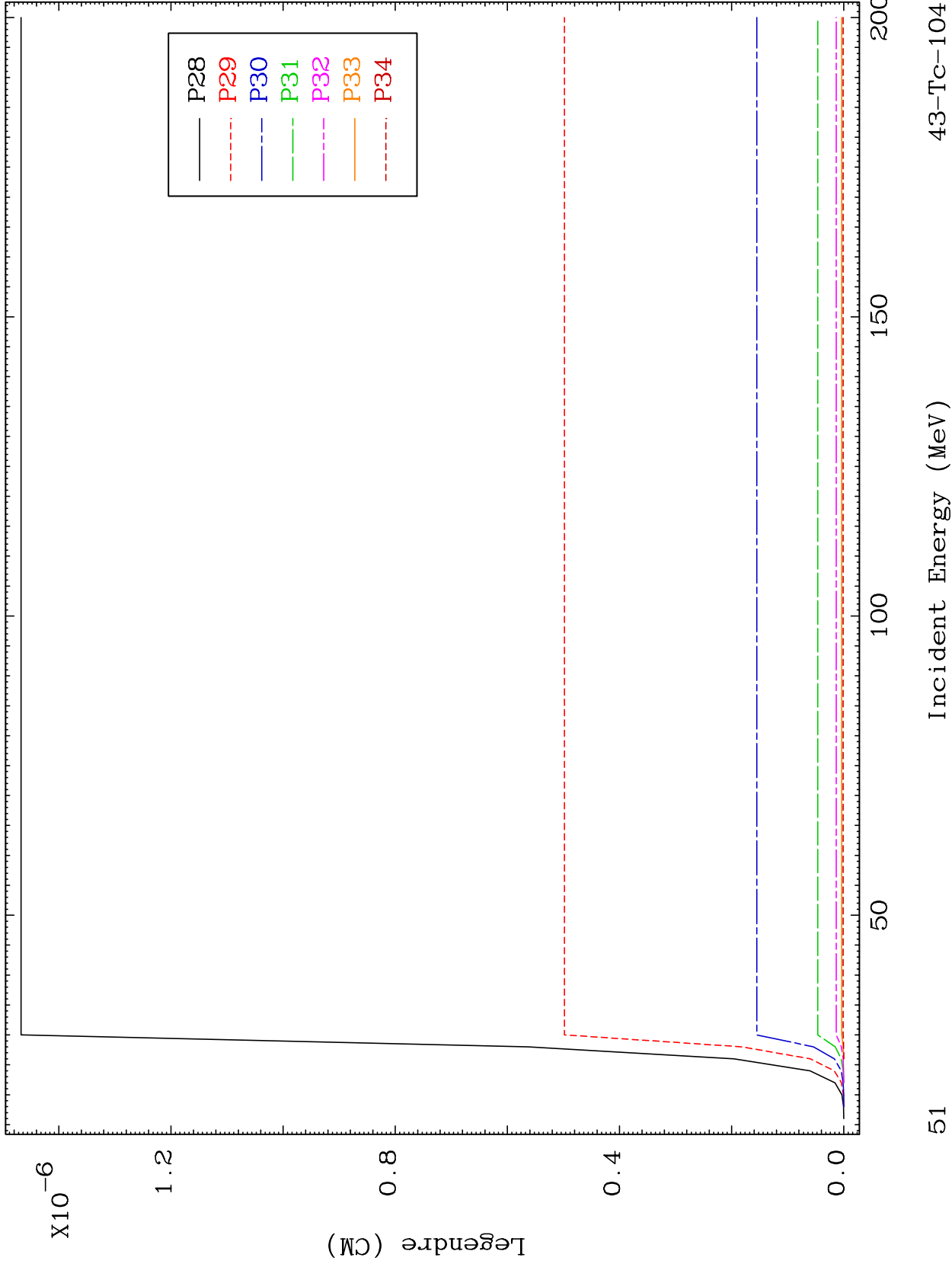
Incident Energy (MeV)

43-Tc-104

MAT 4340

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

43-Tc-104



51

Incident Energy (MeV)

43-Tc-104



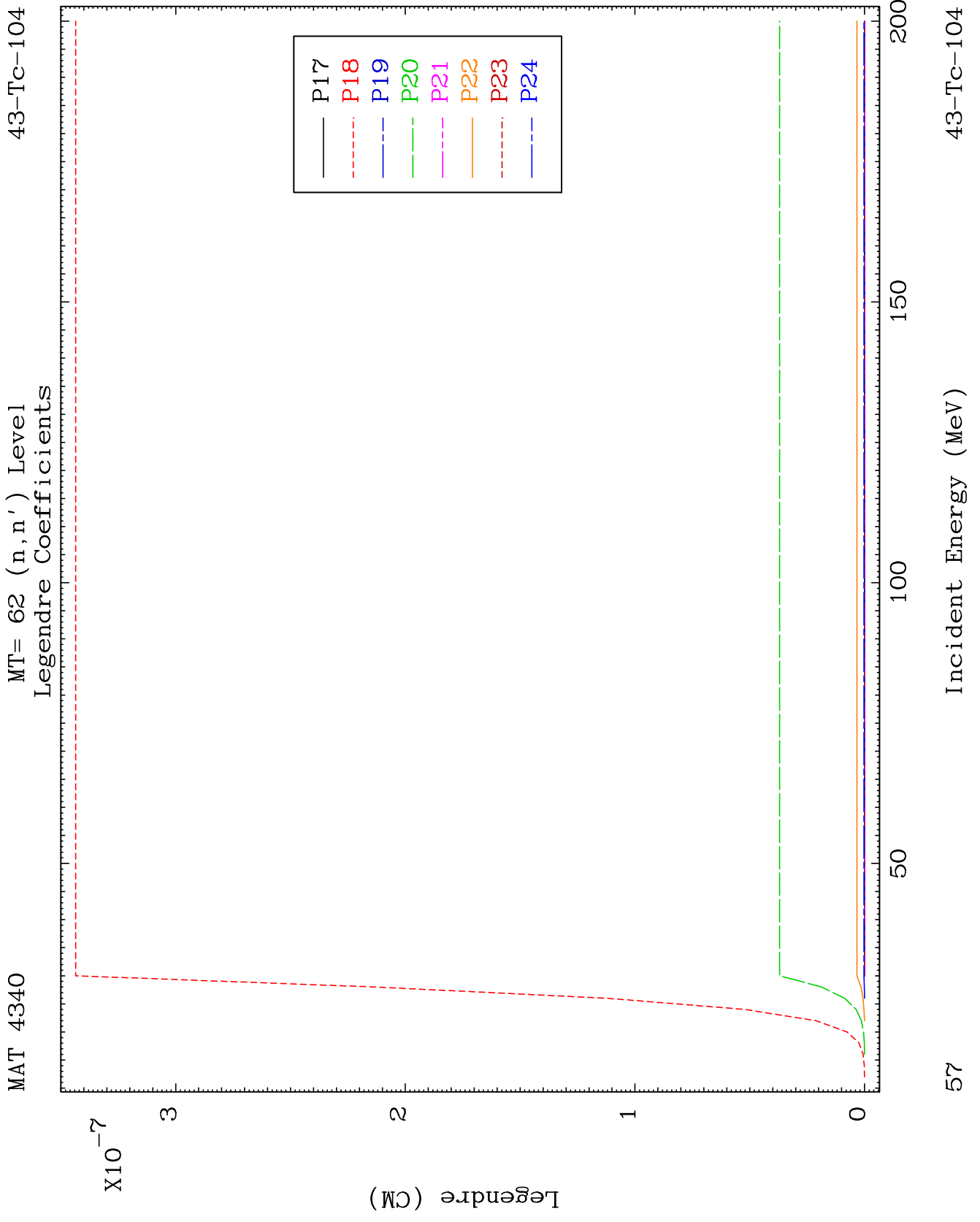




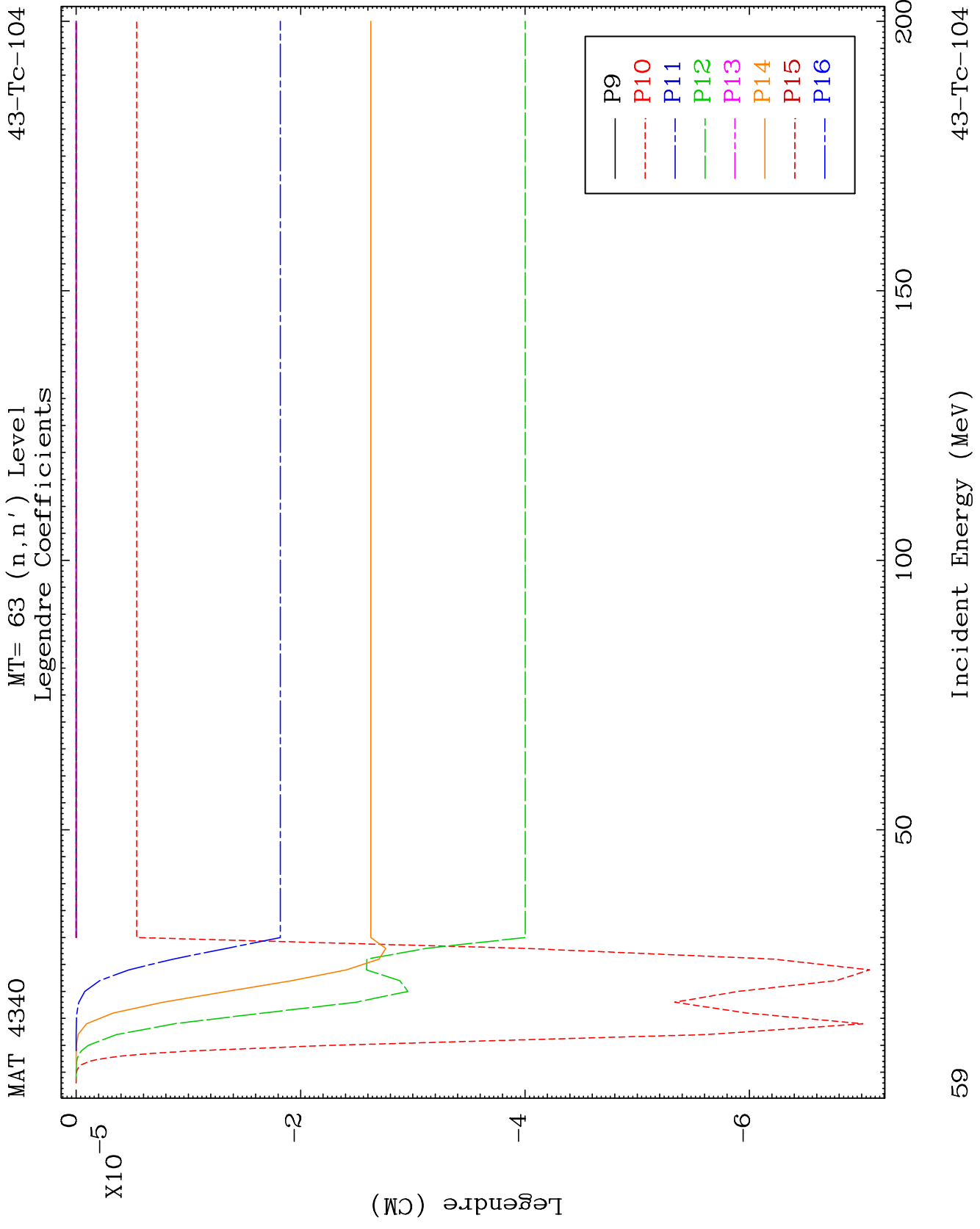


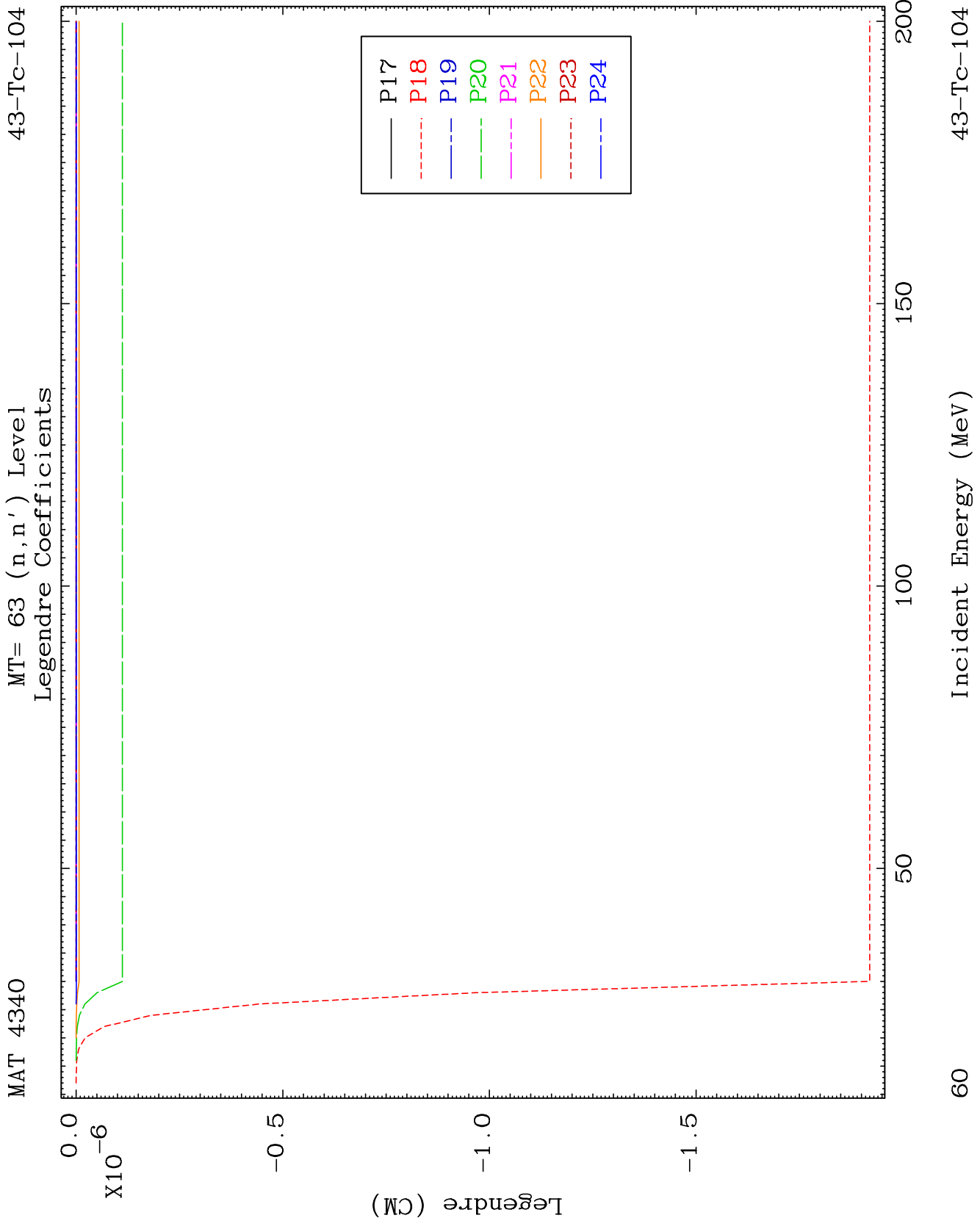


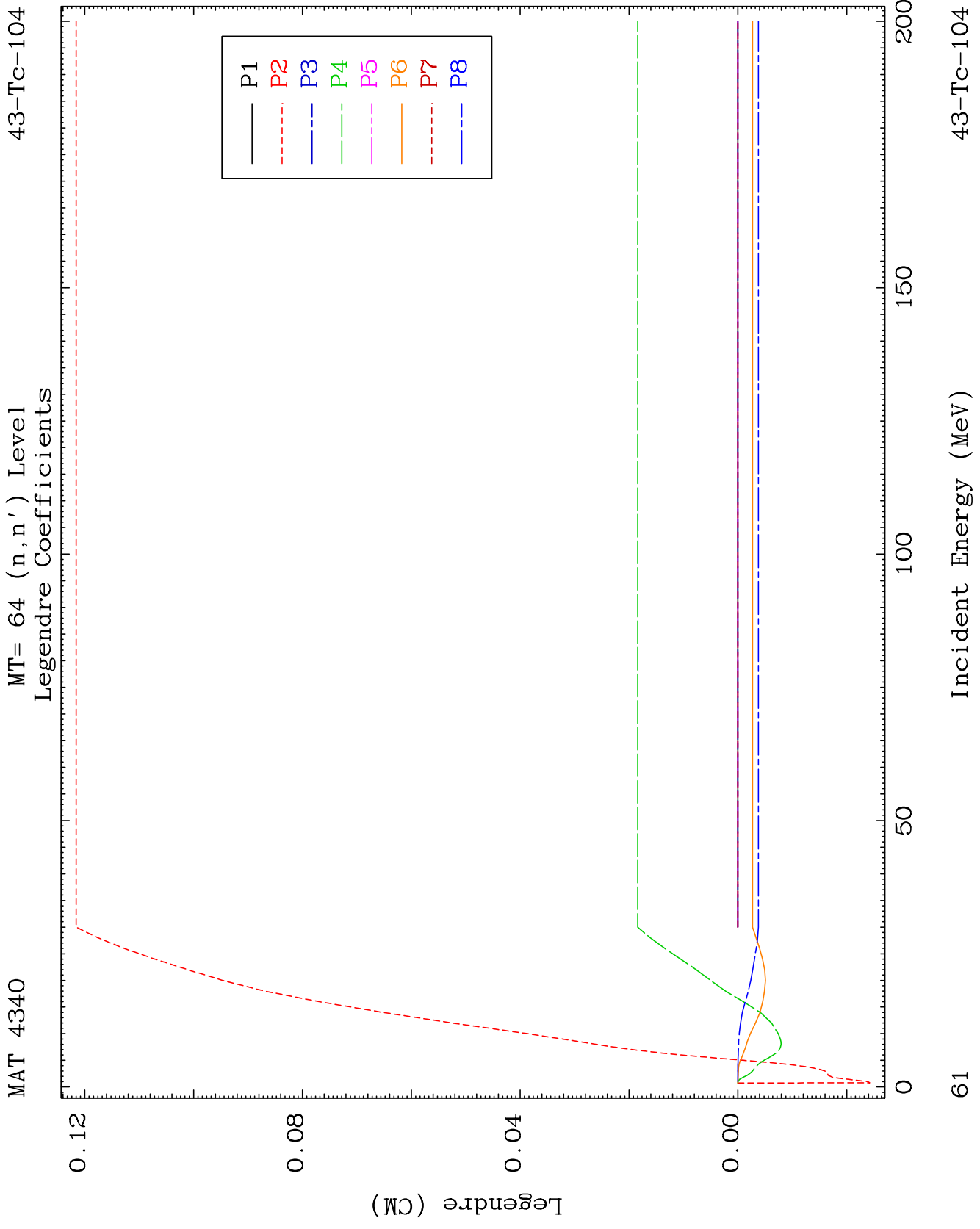


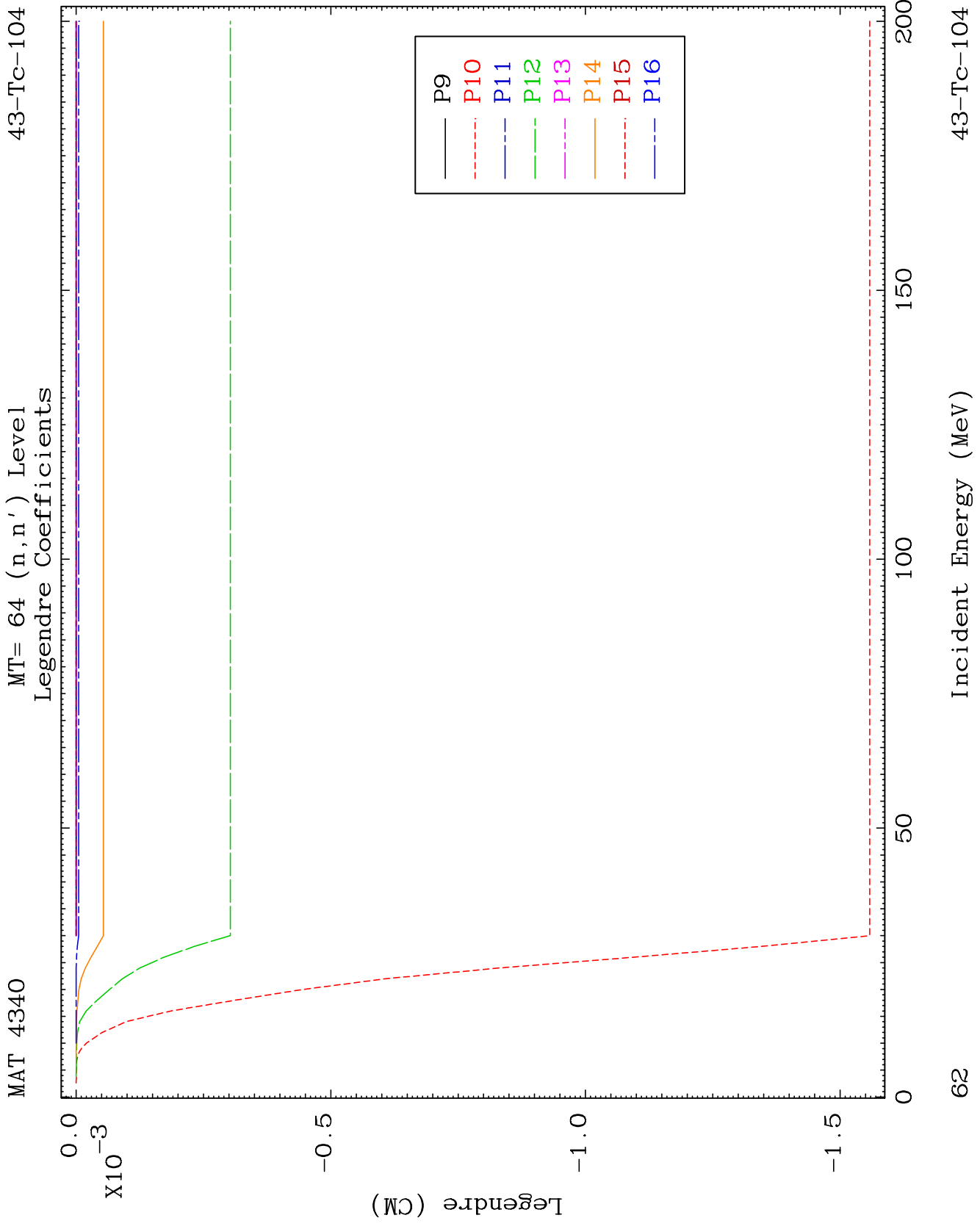












43-Tc-104

Incident Energy (MeV)

62



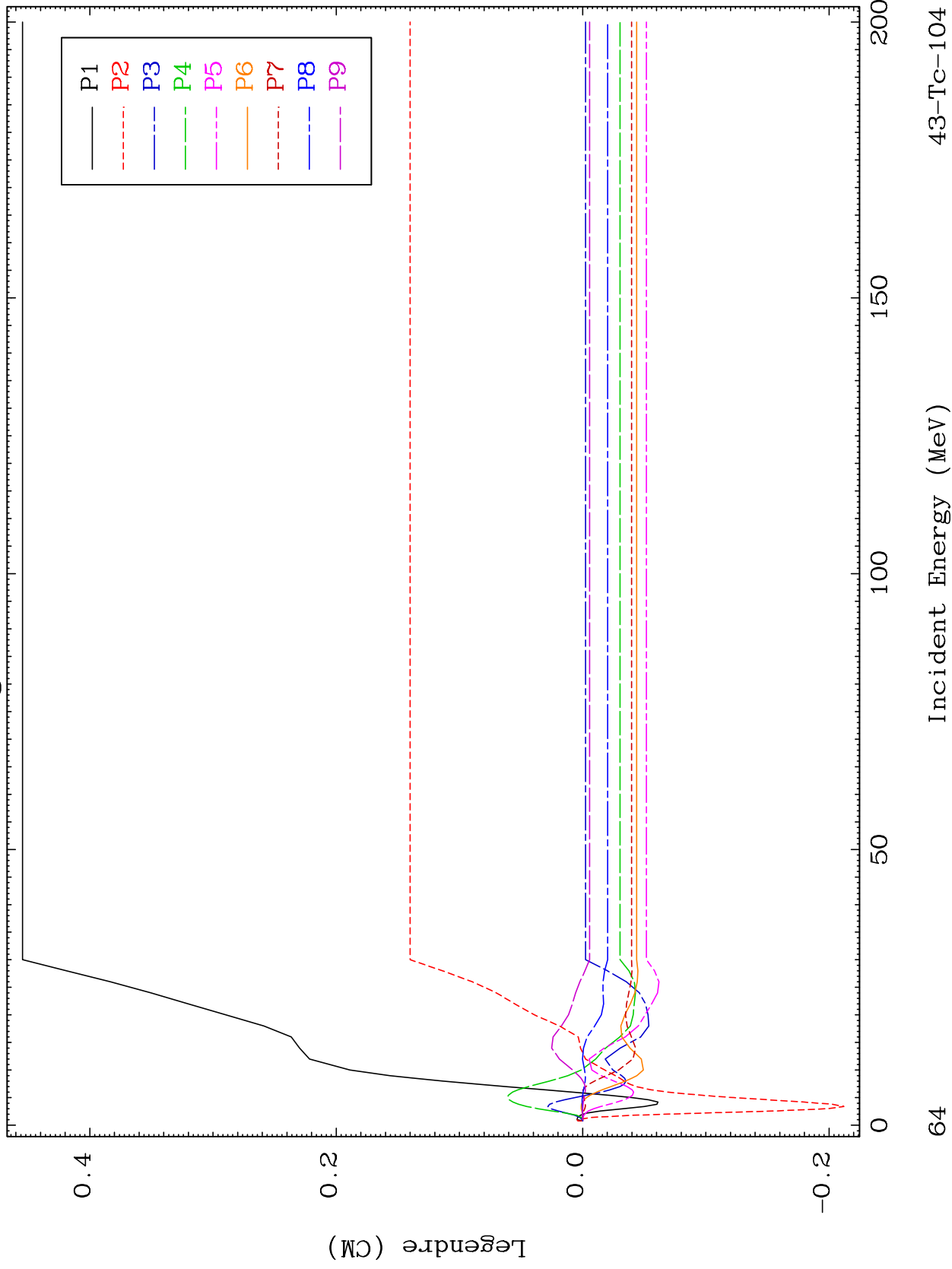


MAT 4340

MT= 65 (n,n') Level

43-Tc-104

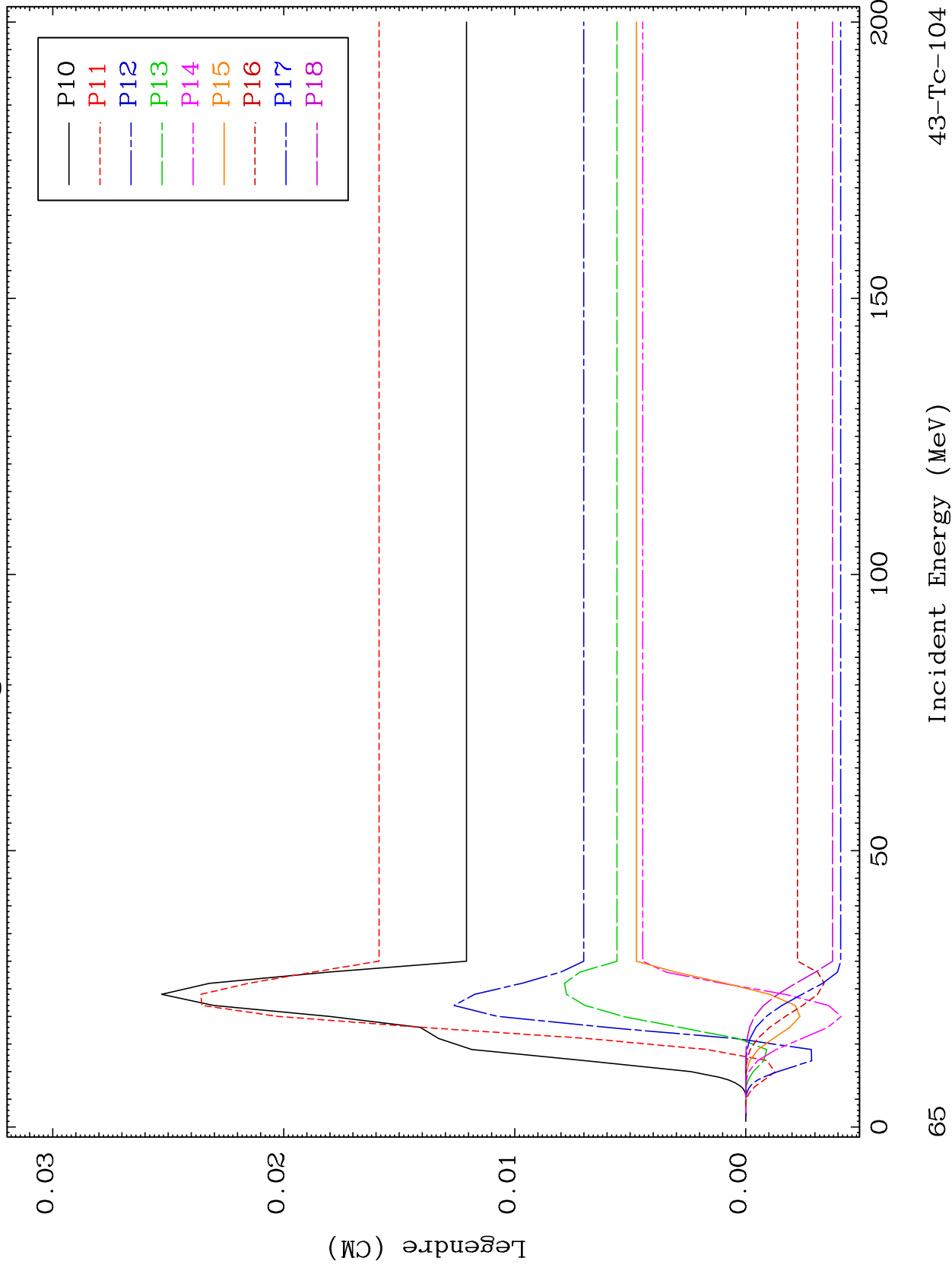
Legendre Coefficients



MAT 4340

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

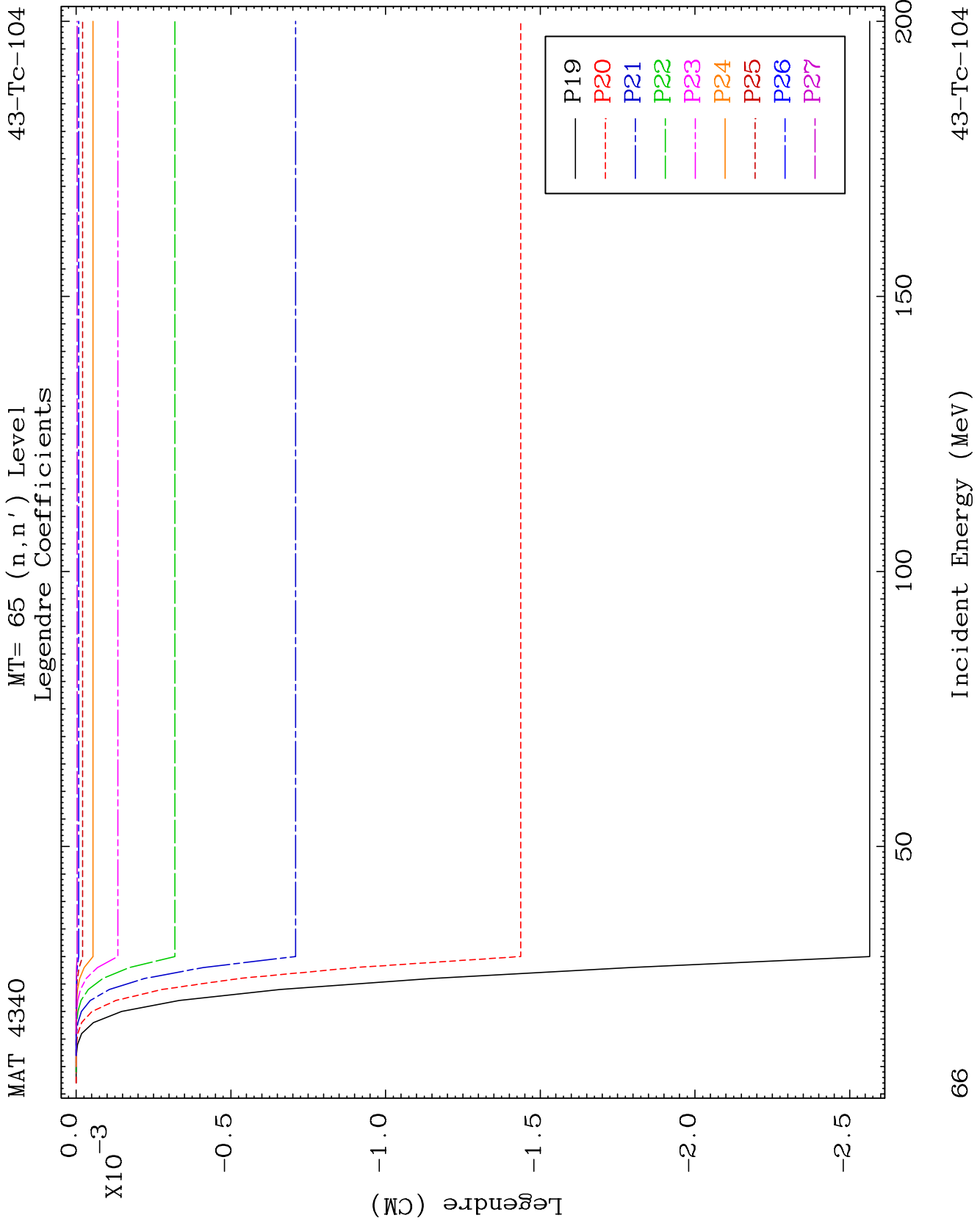
43-Tc-104

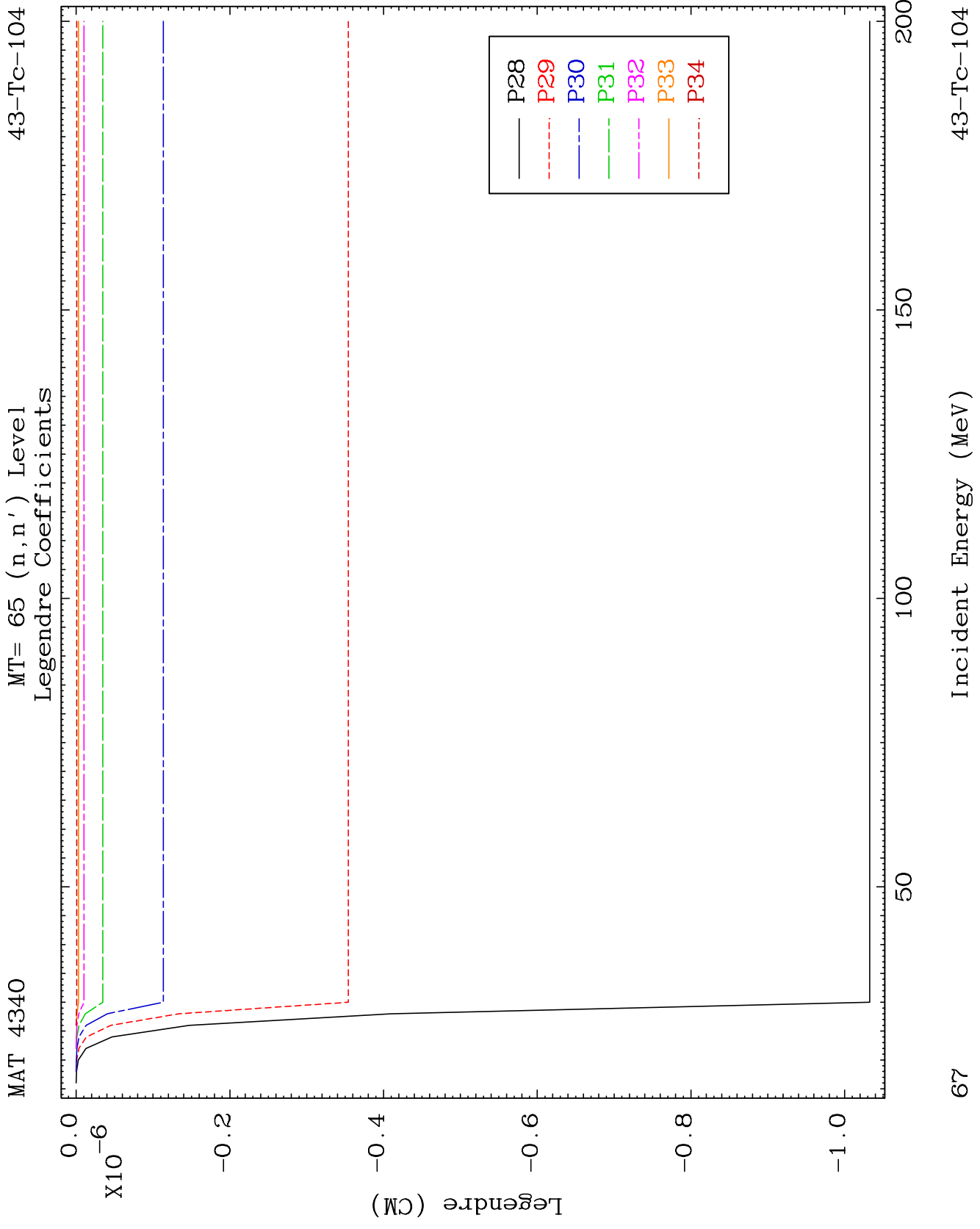


43-Tc-104

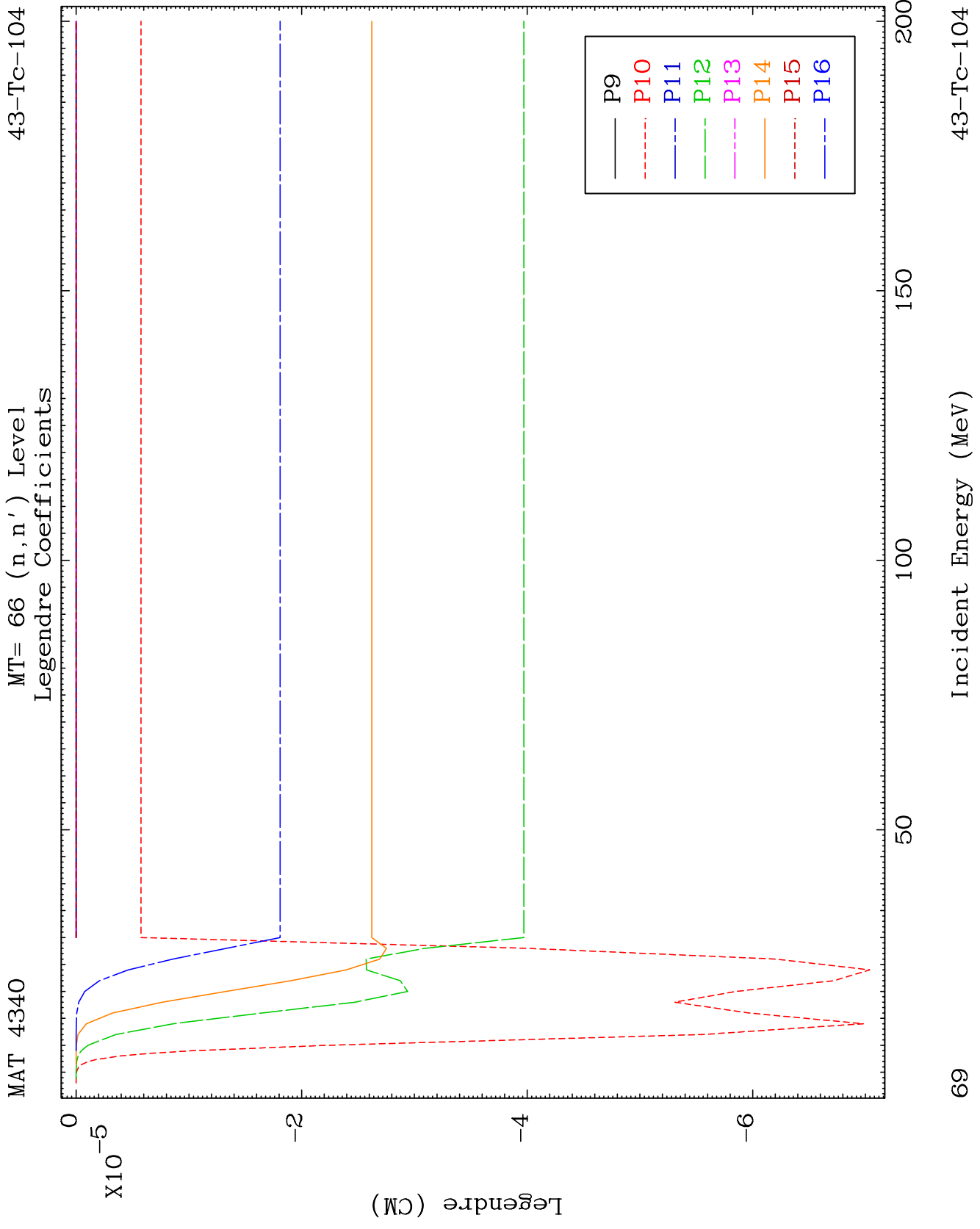
Incident Energy (MeV)

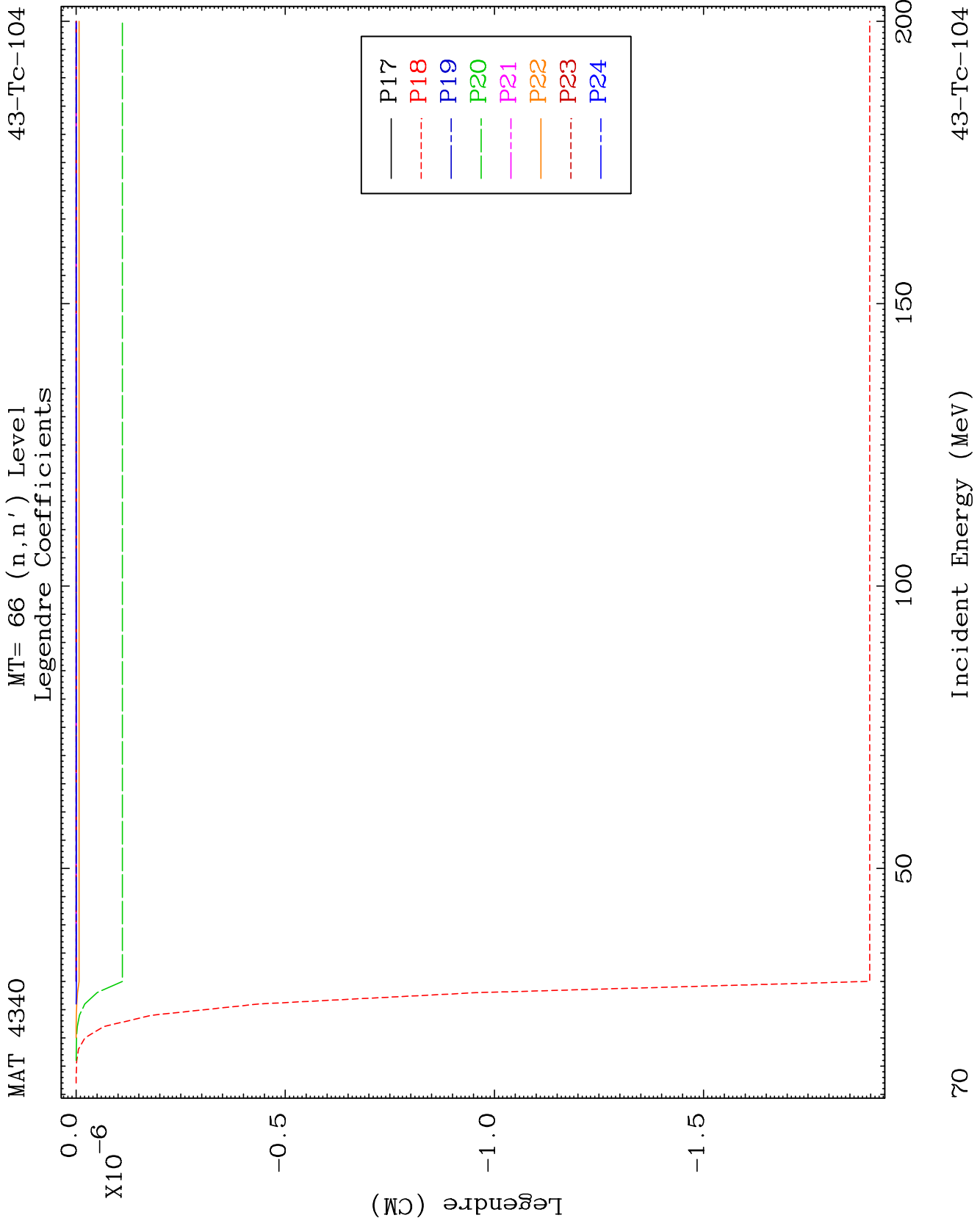
65

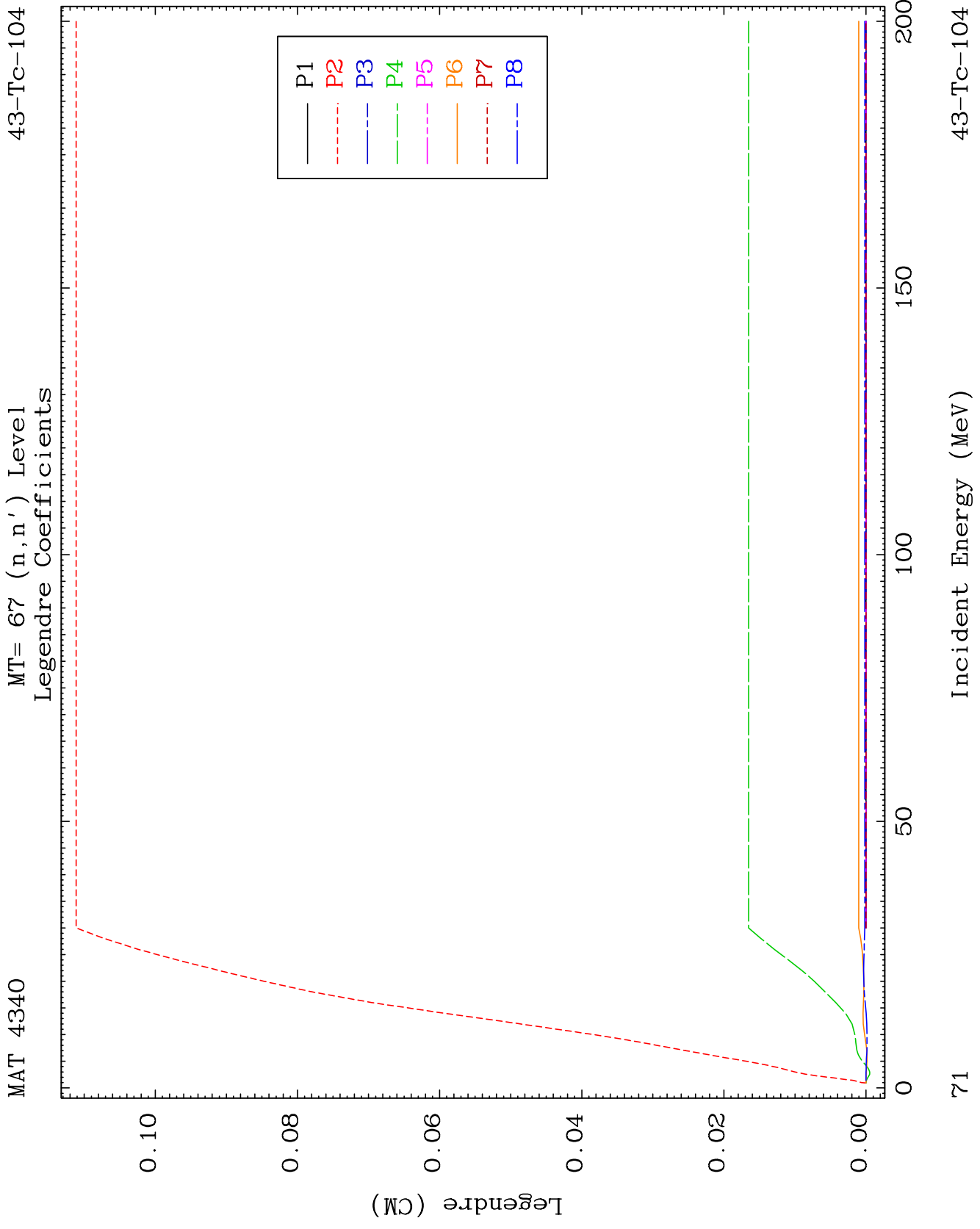




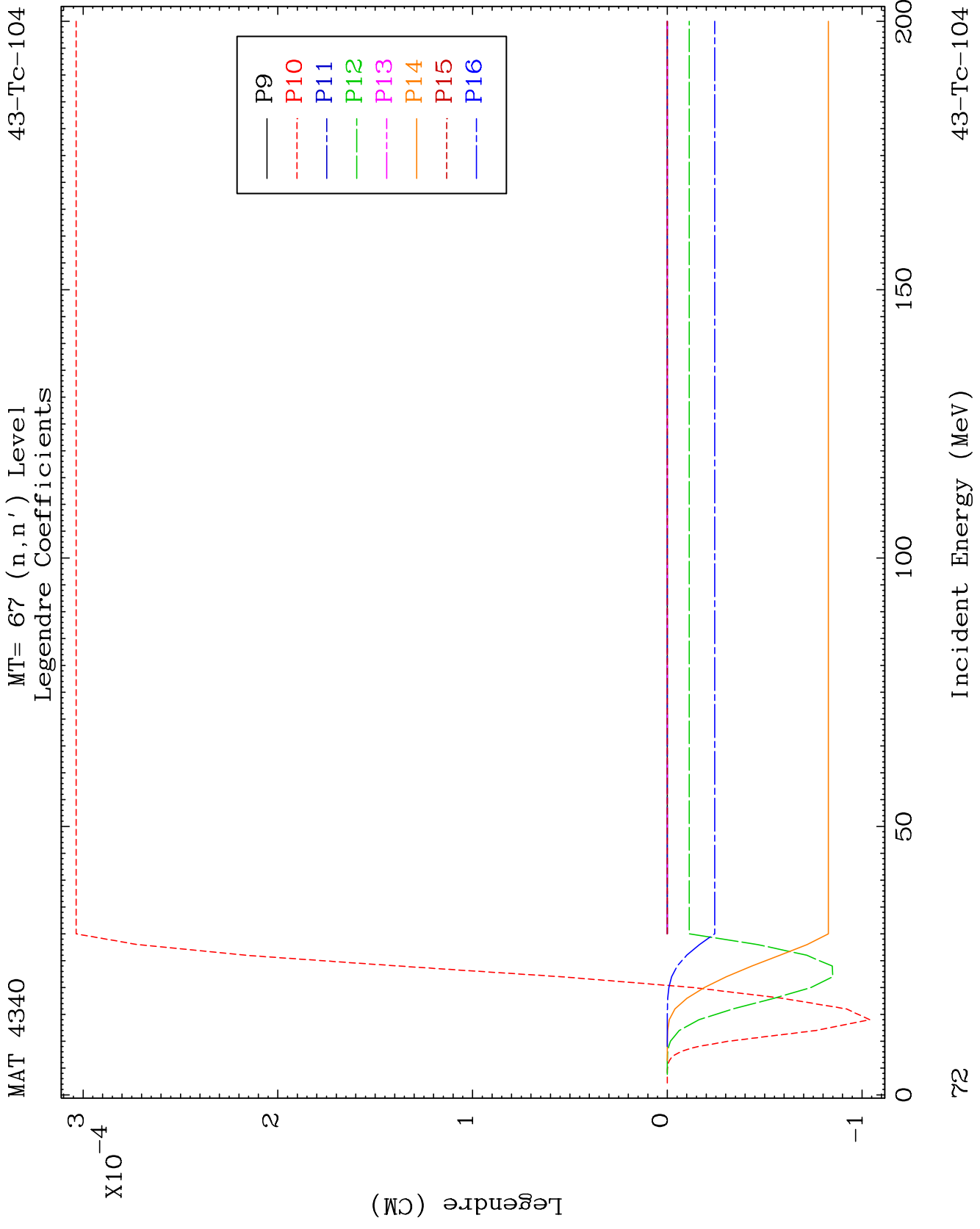








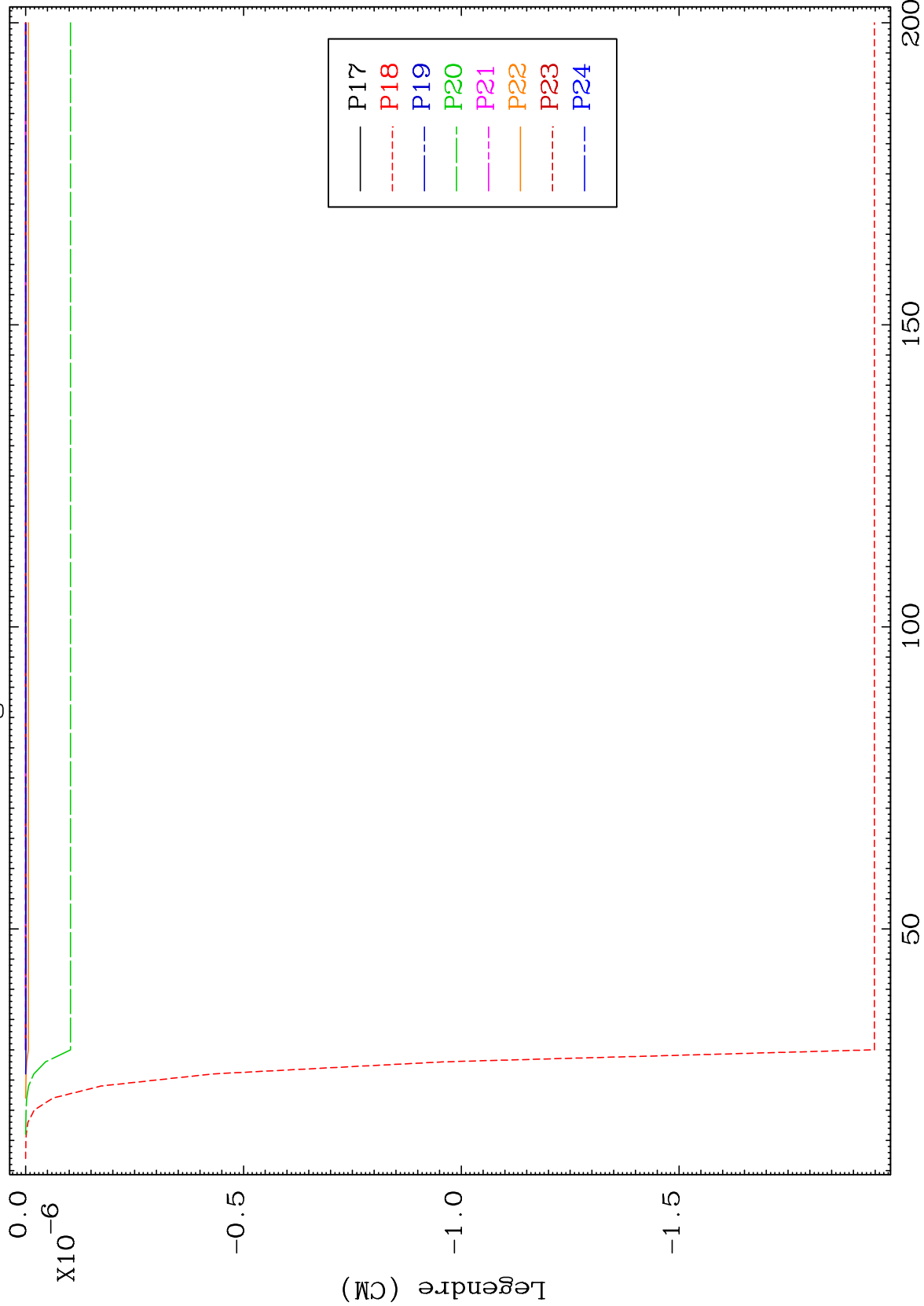




MAT 4340

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

43-Tc-104



73

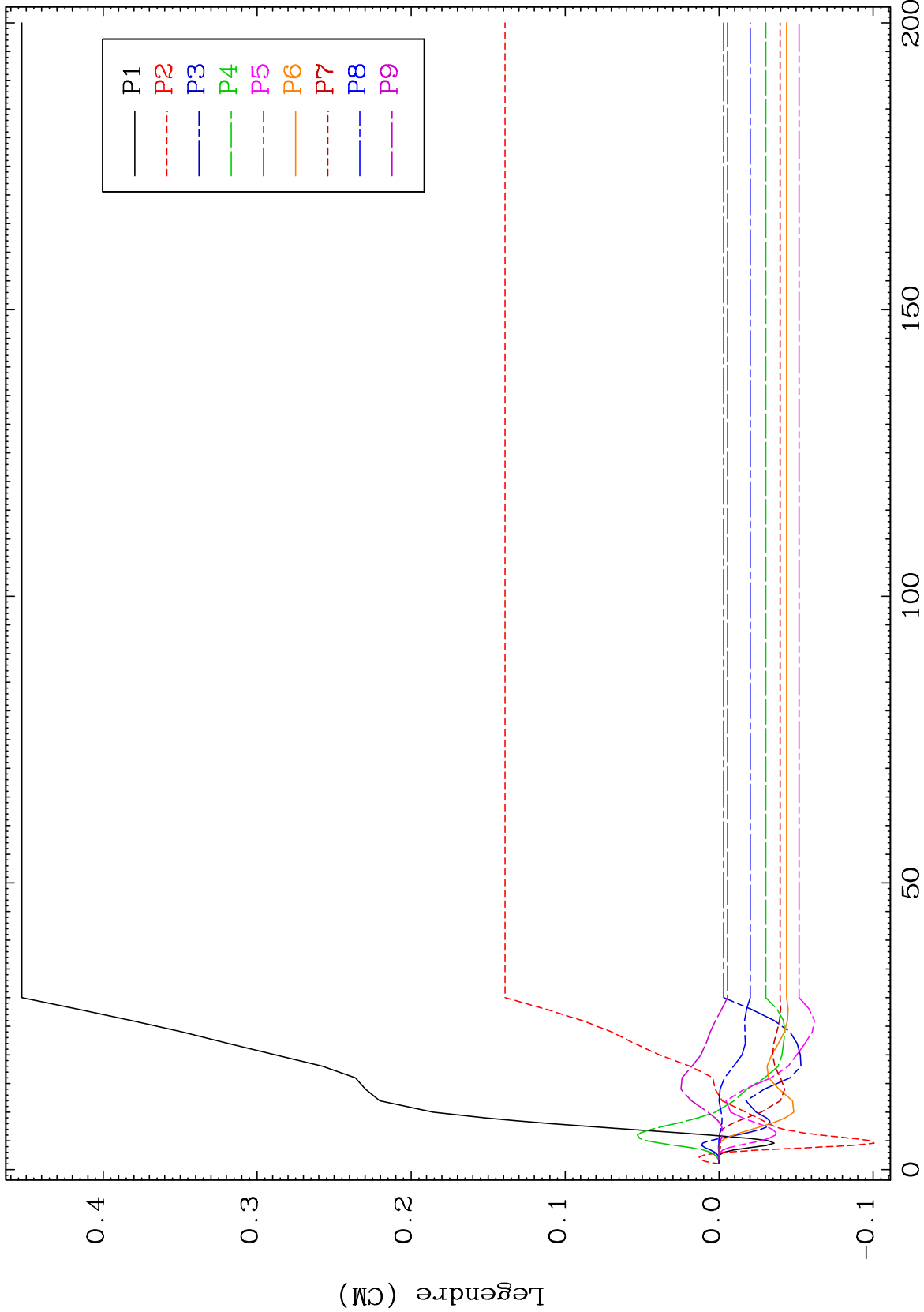
Incident Energy (MeV)

43-Tc-104

MAT 4340

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

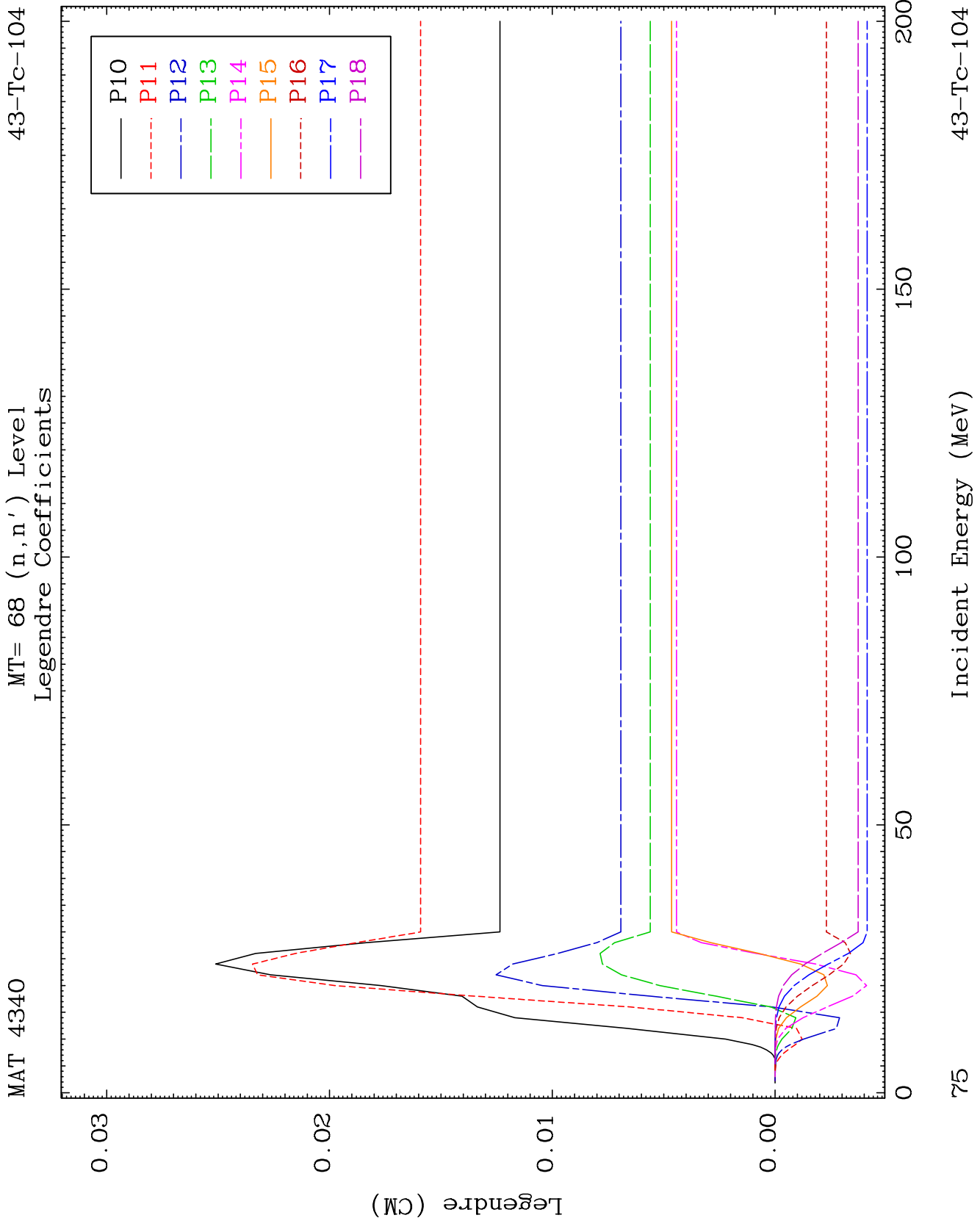
43-Tc-104

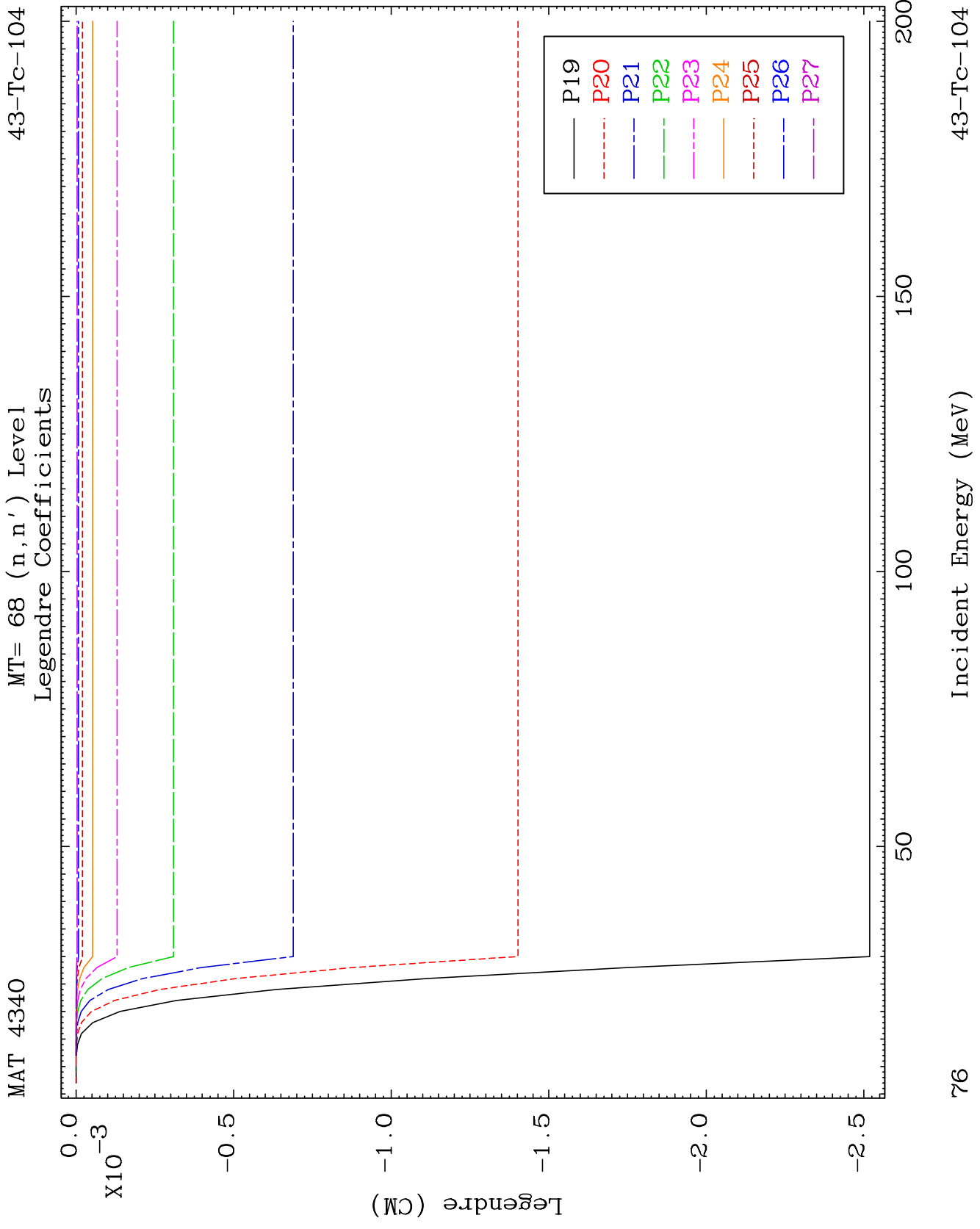


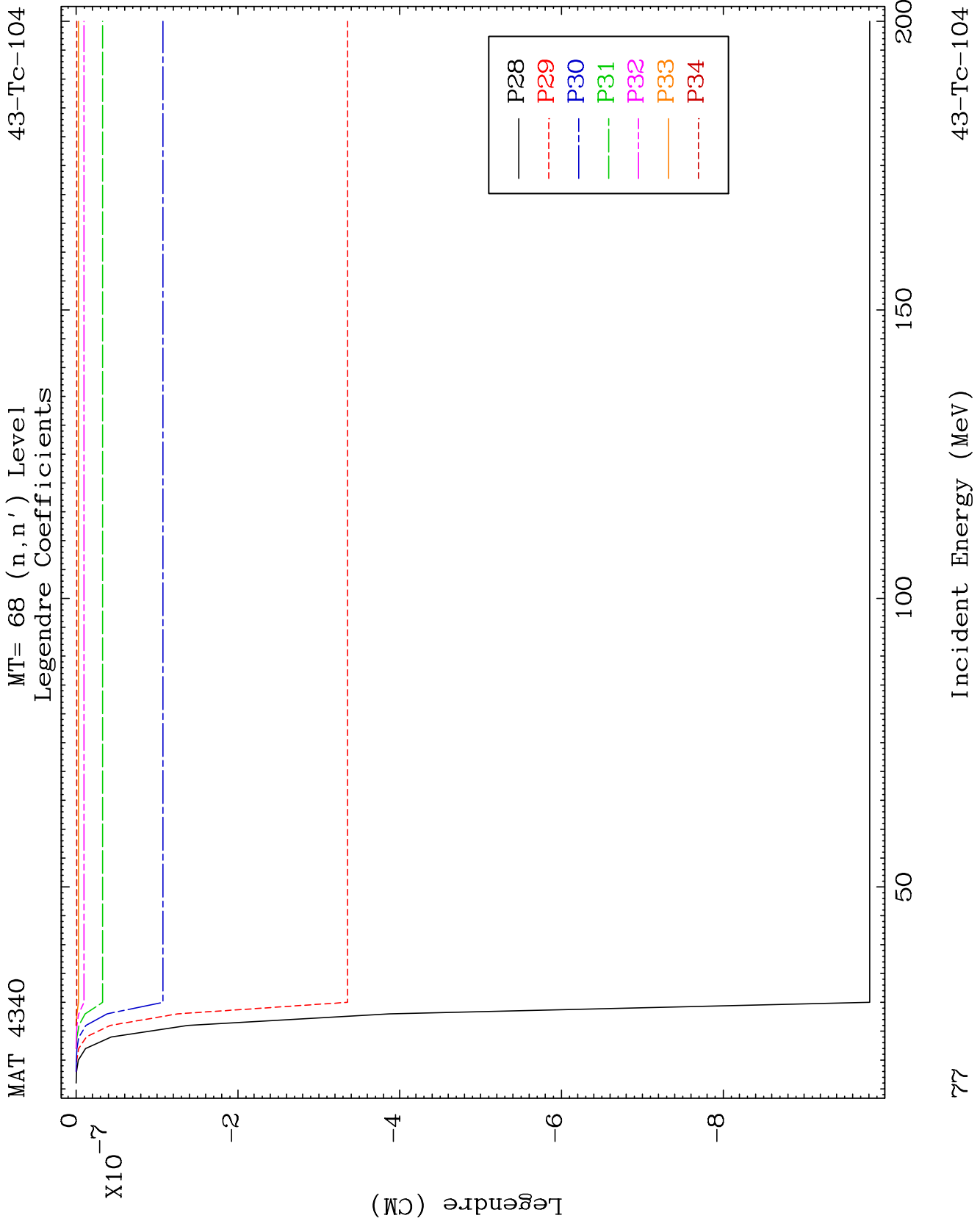
74

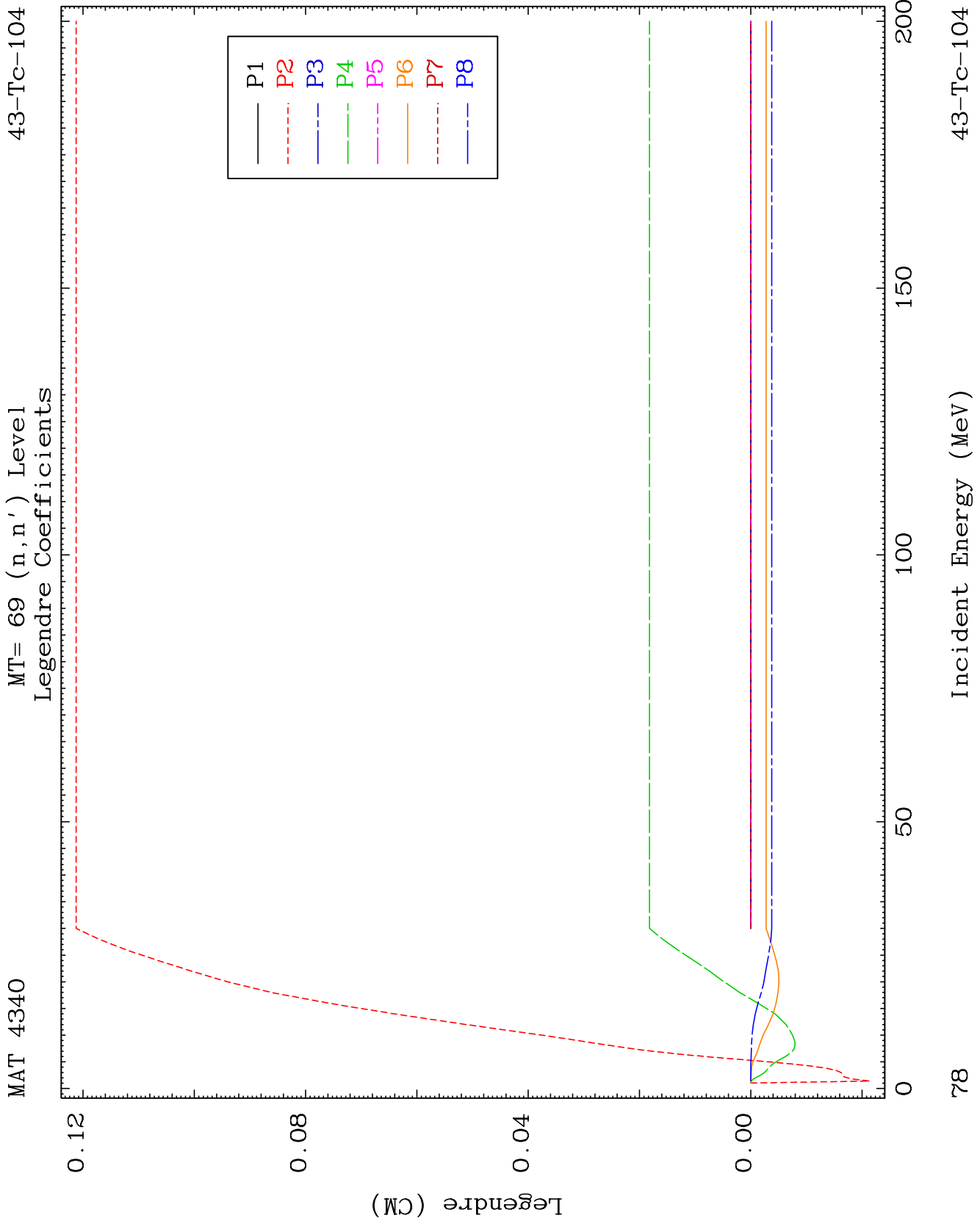
Incident Energy (MeV)

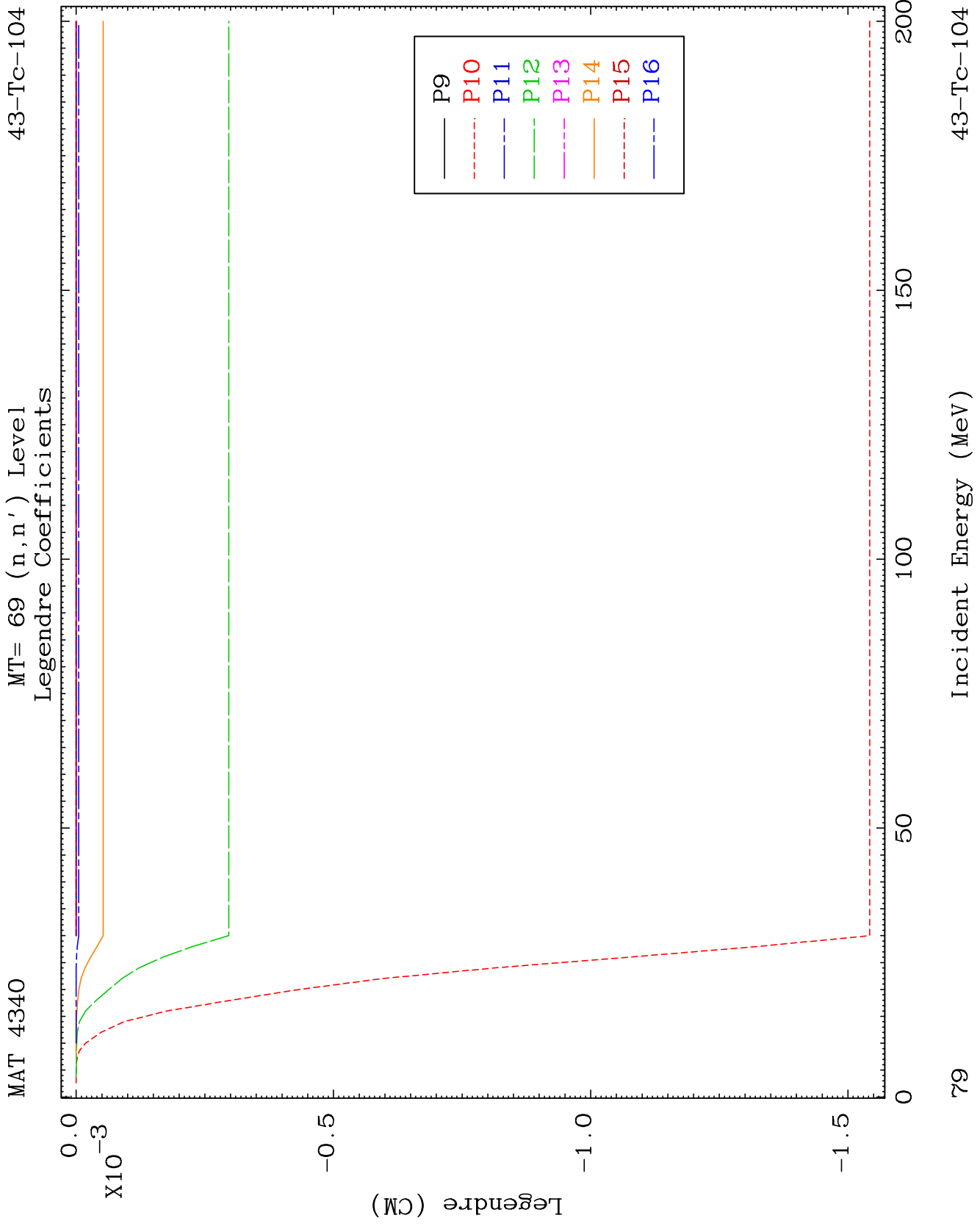
43-Tc-104



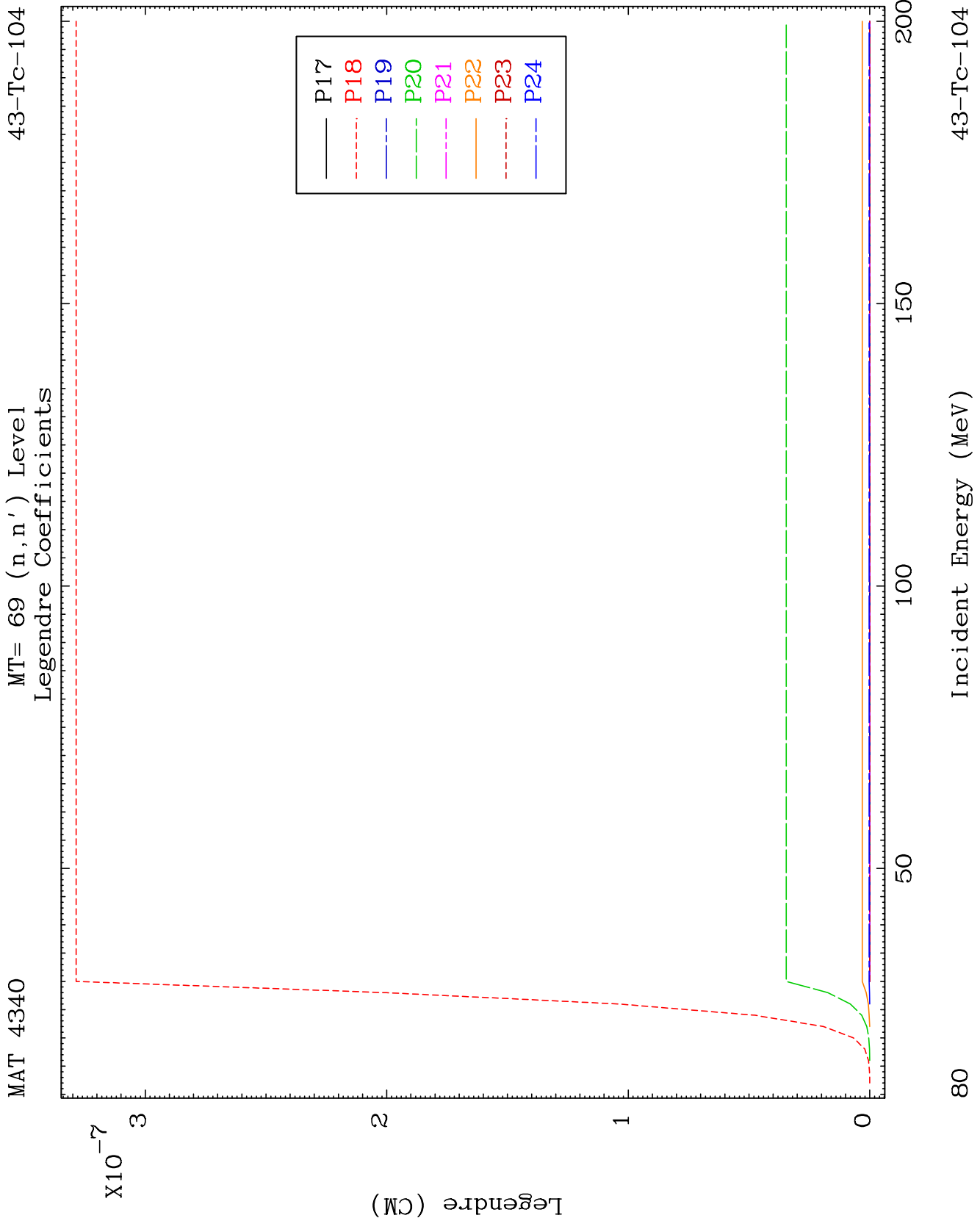


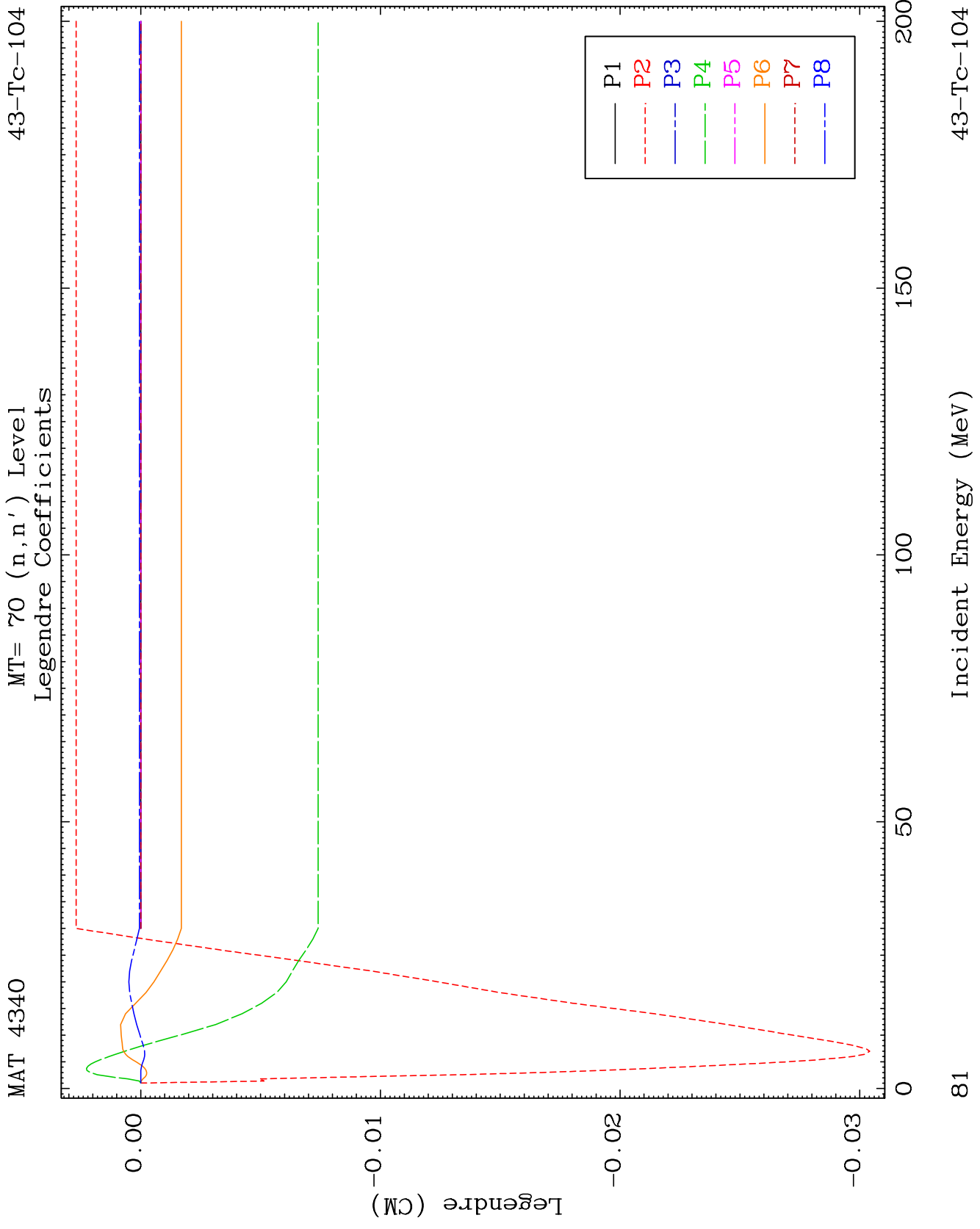


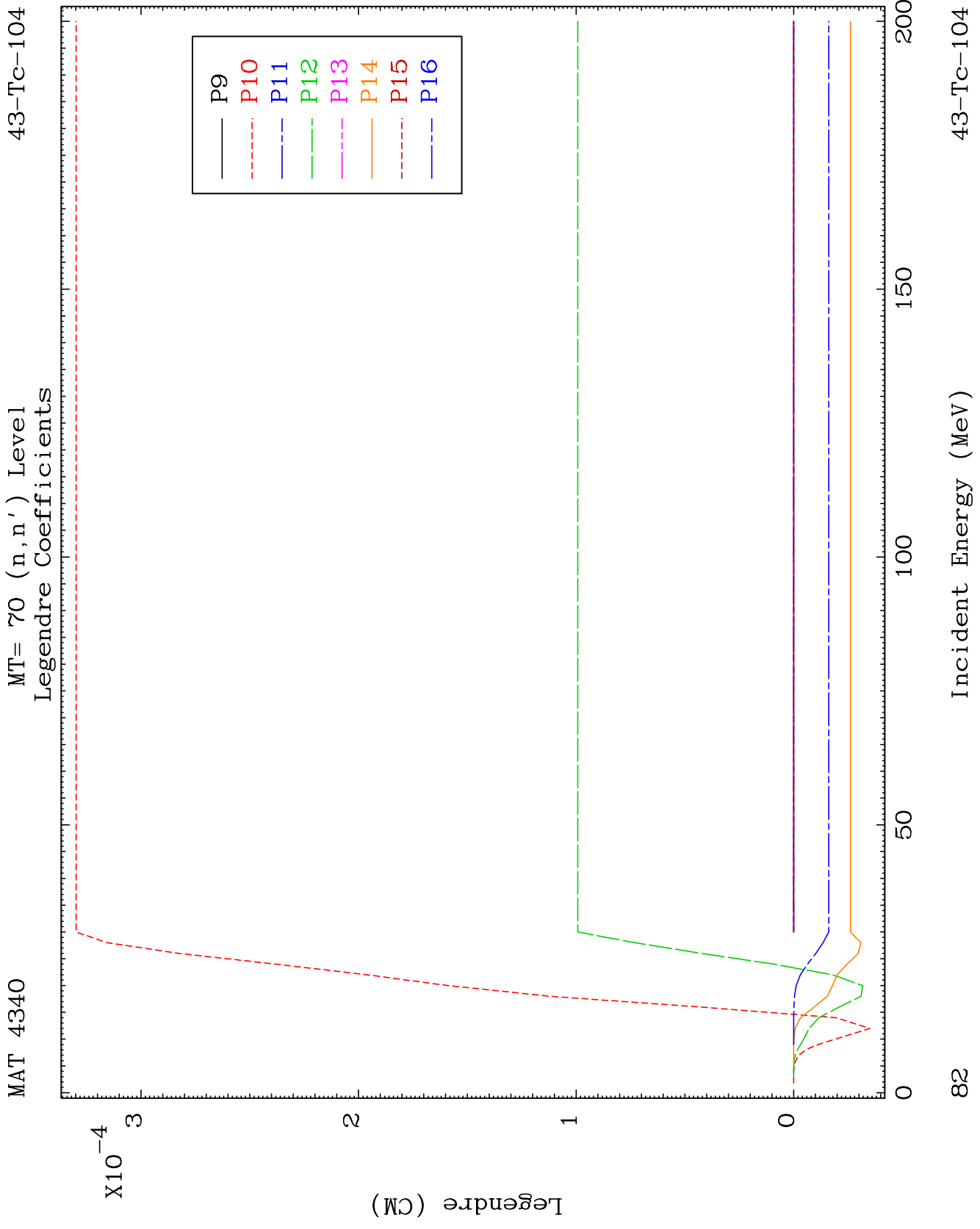


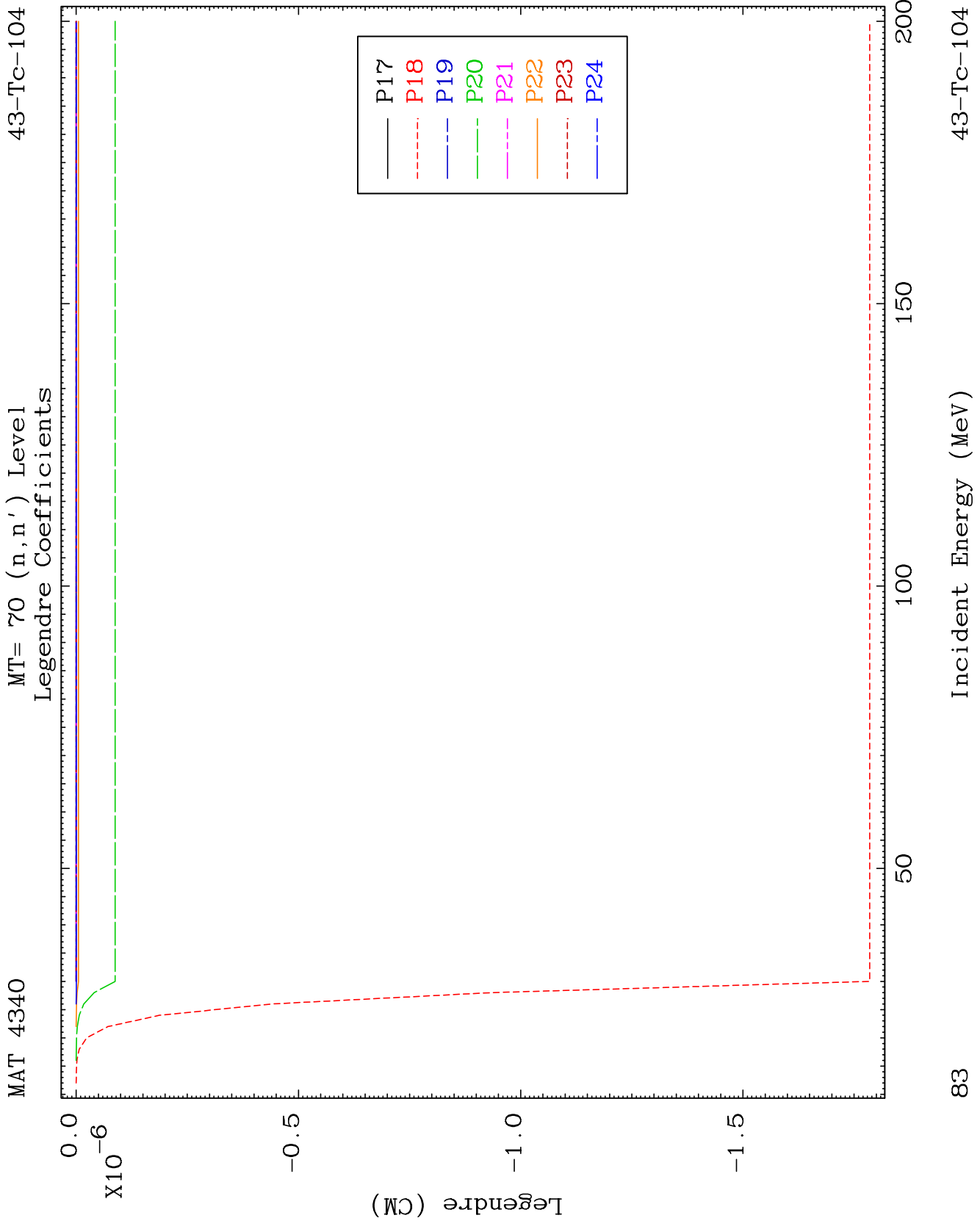


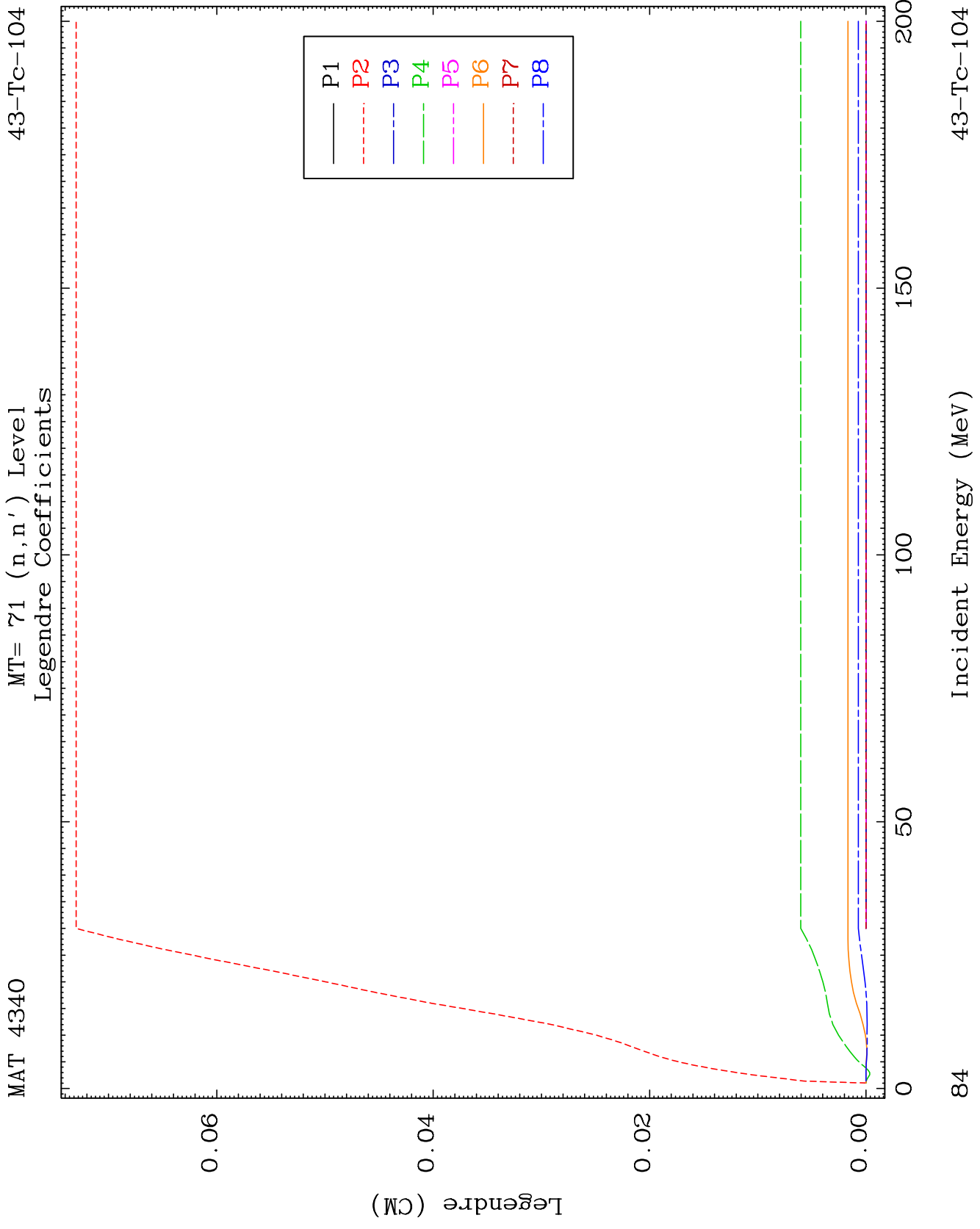


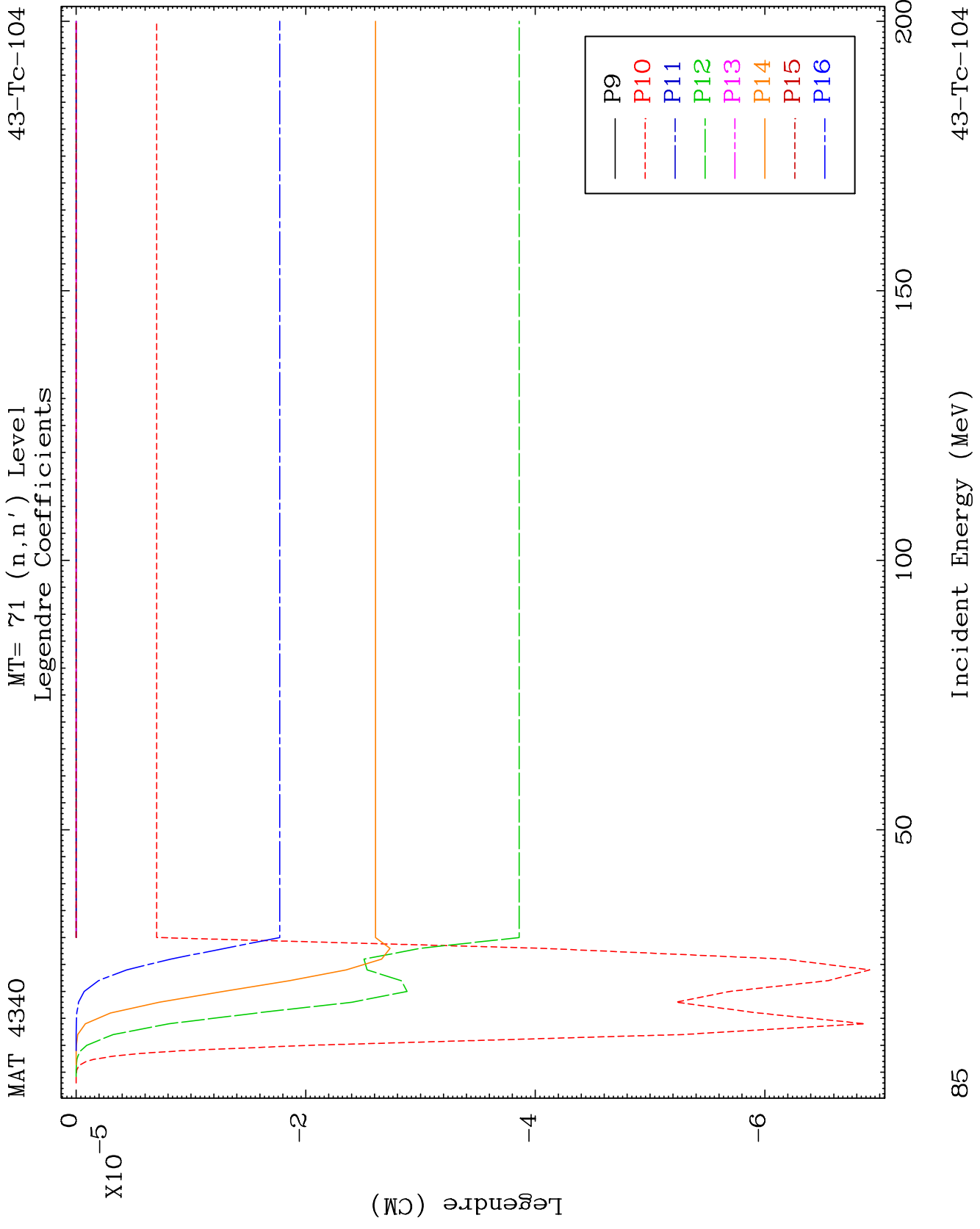


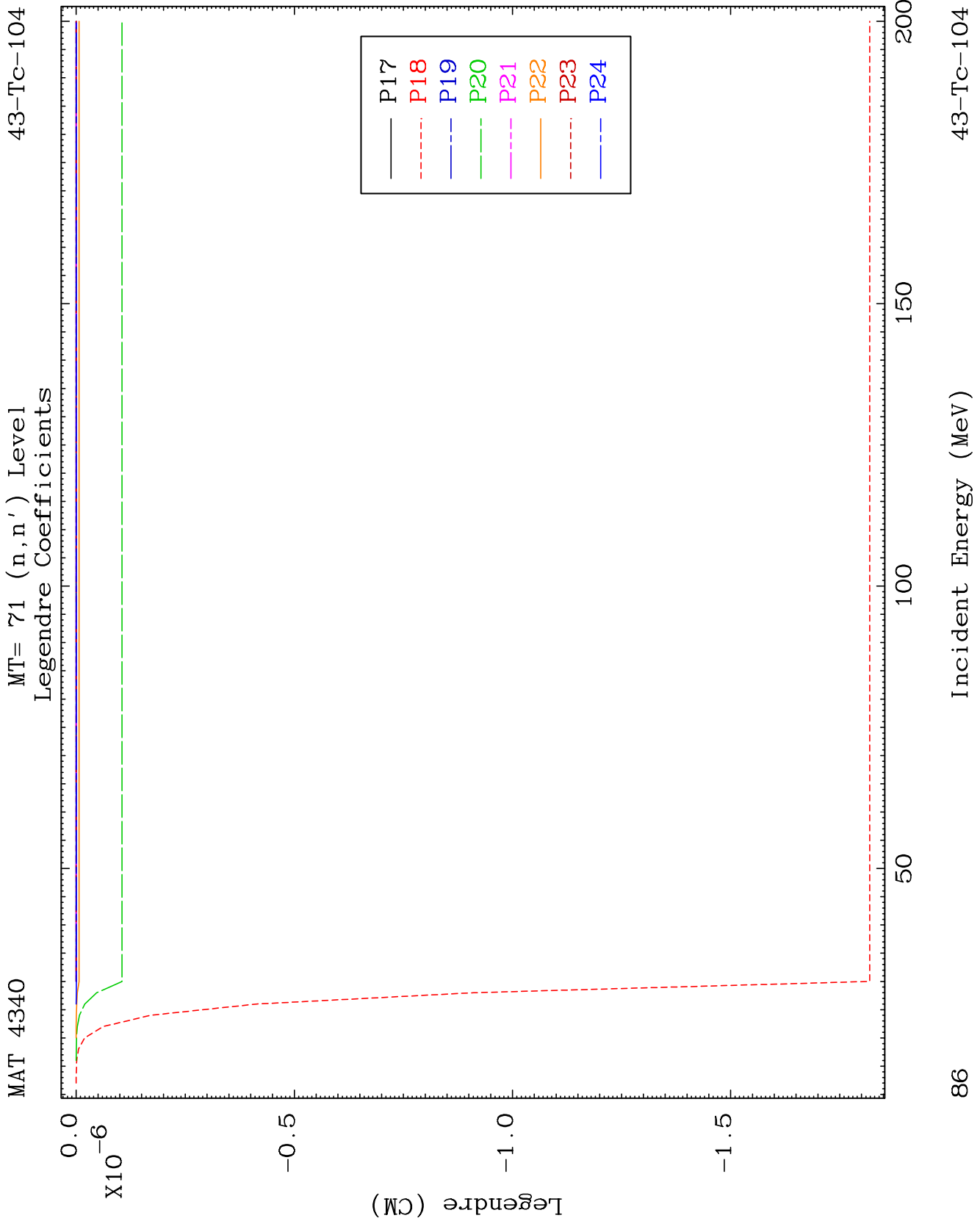












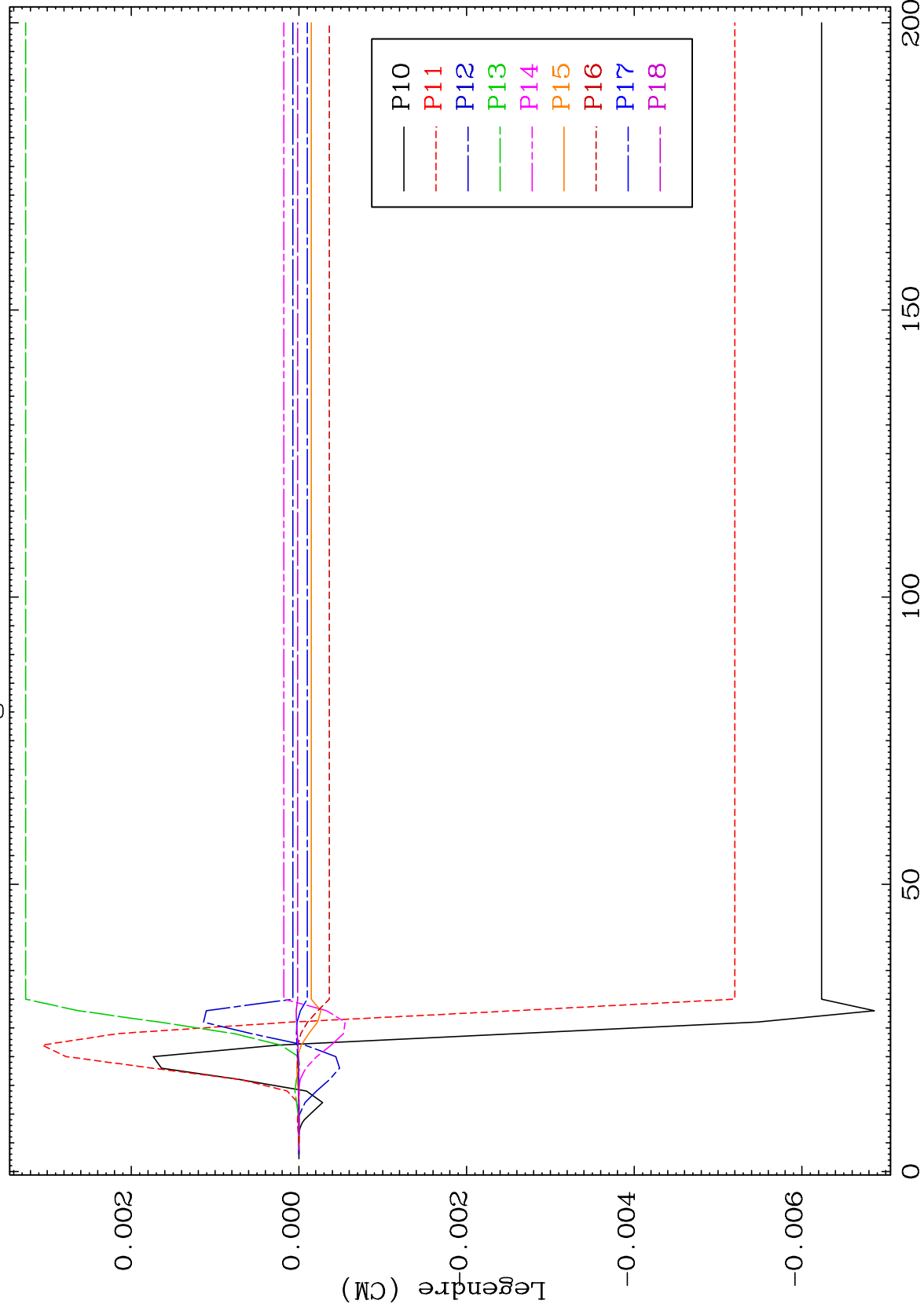




MAT 4340

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

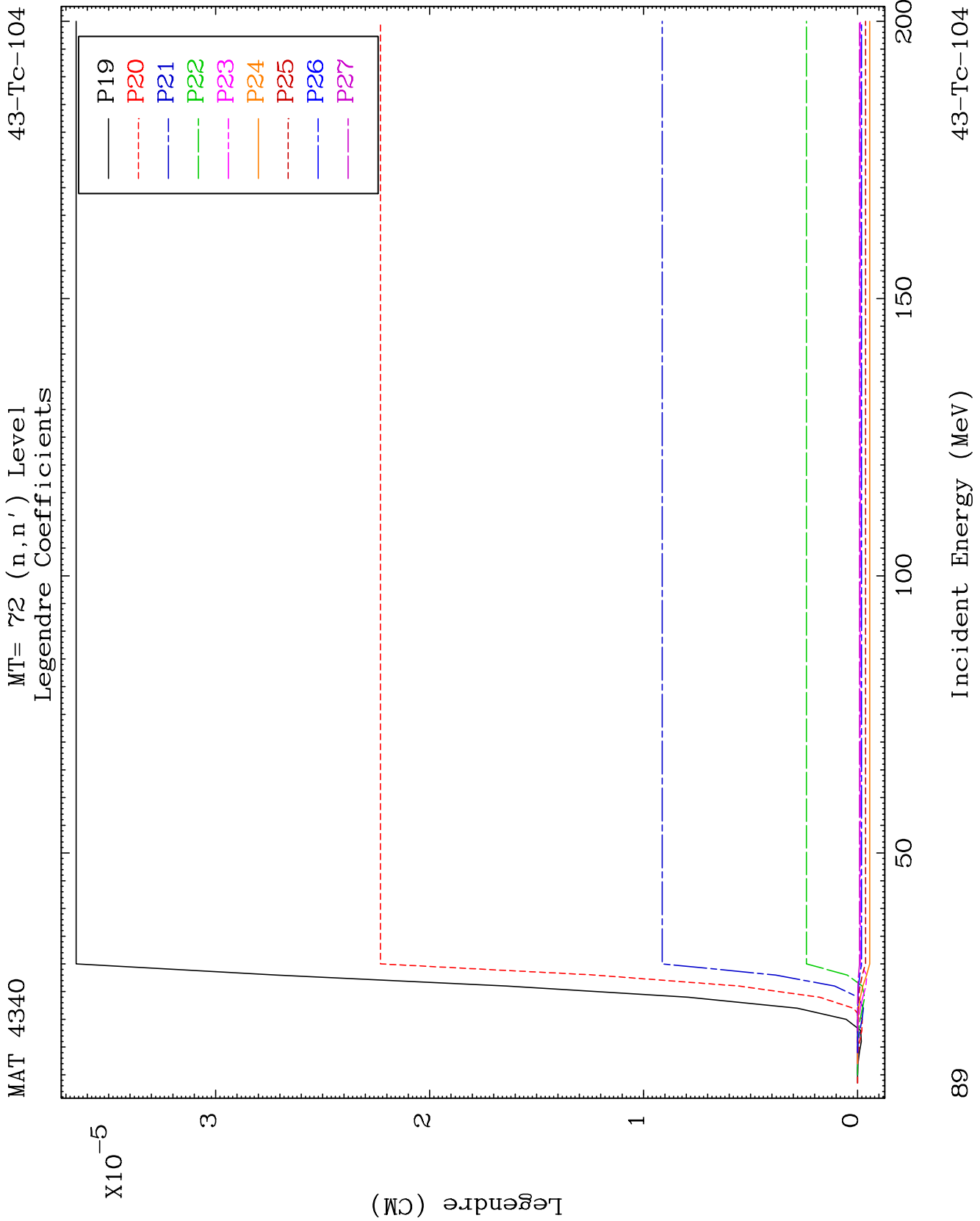
43-Tc-104

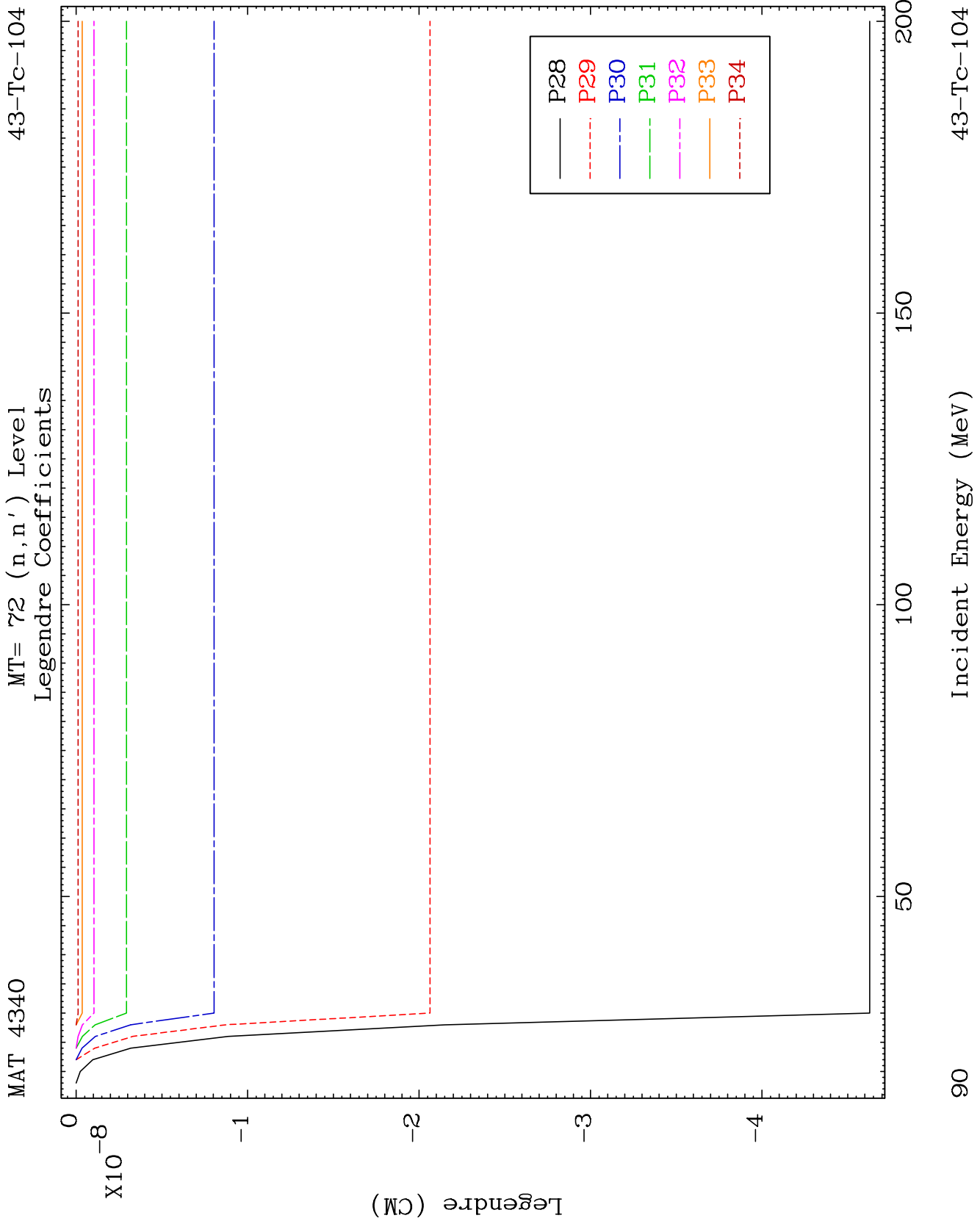


88

Incident Energy (MeV)

43-Tc-104

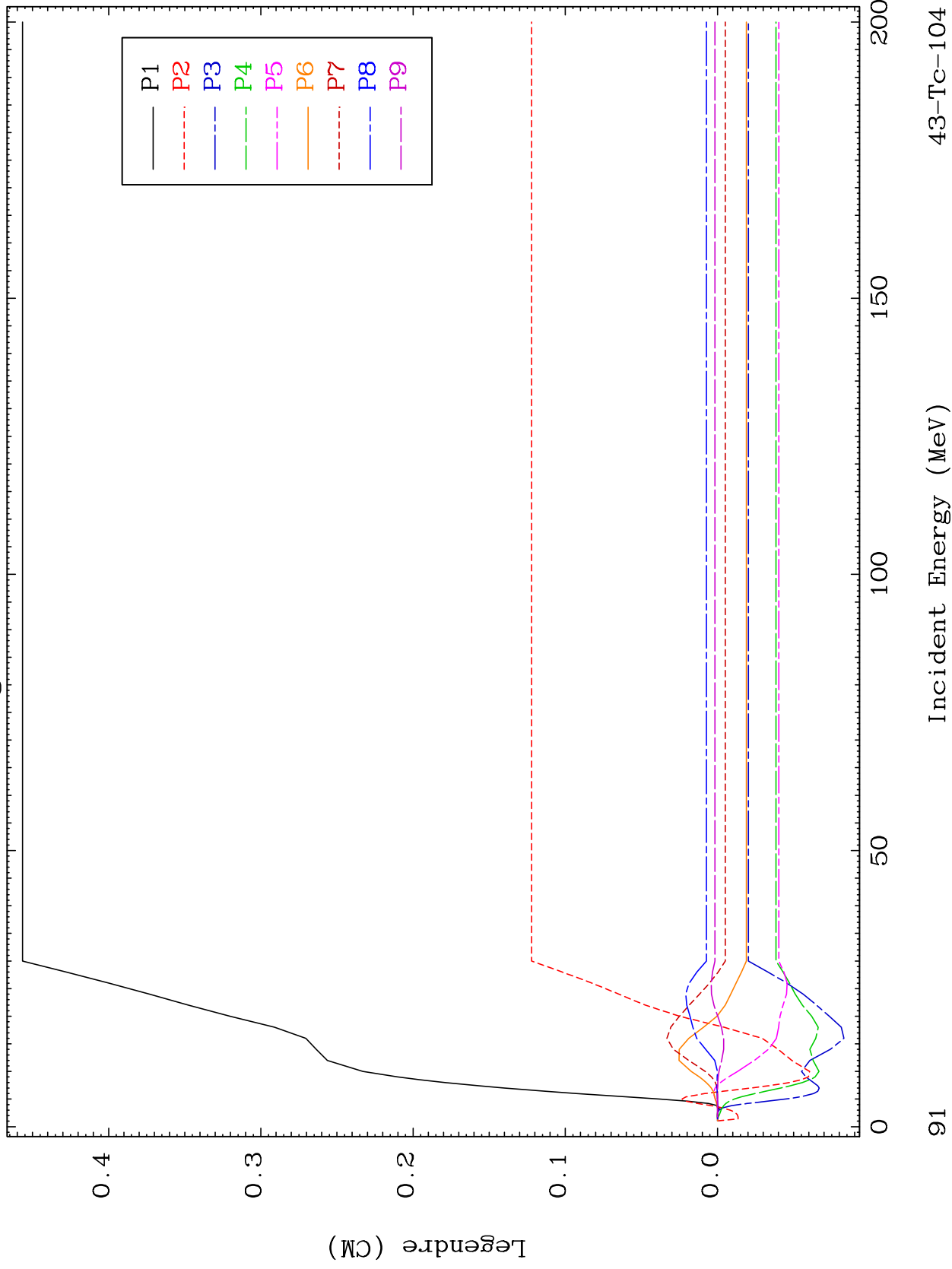




MAT 4340

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

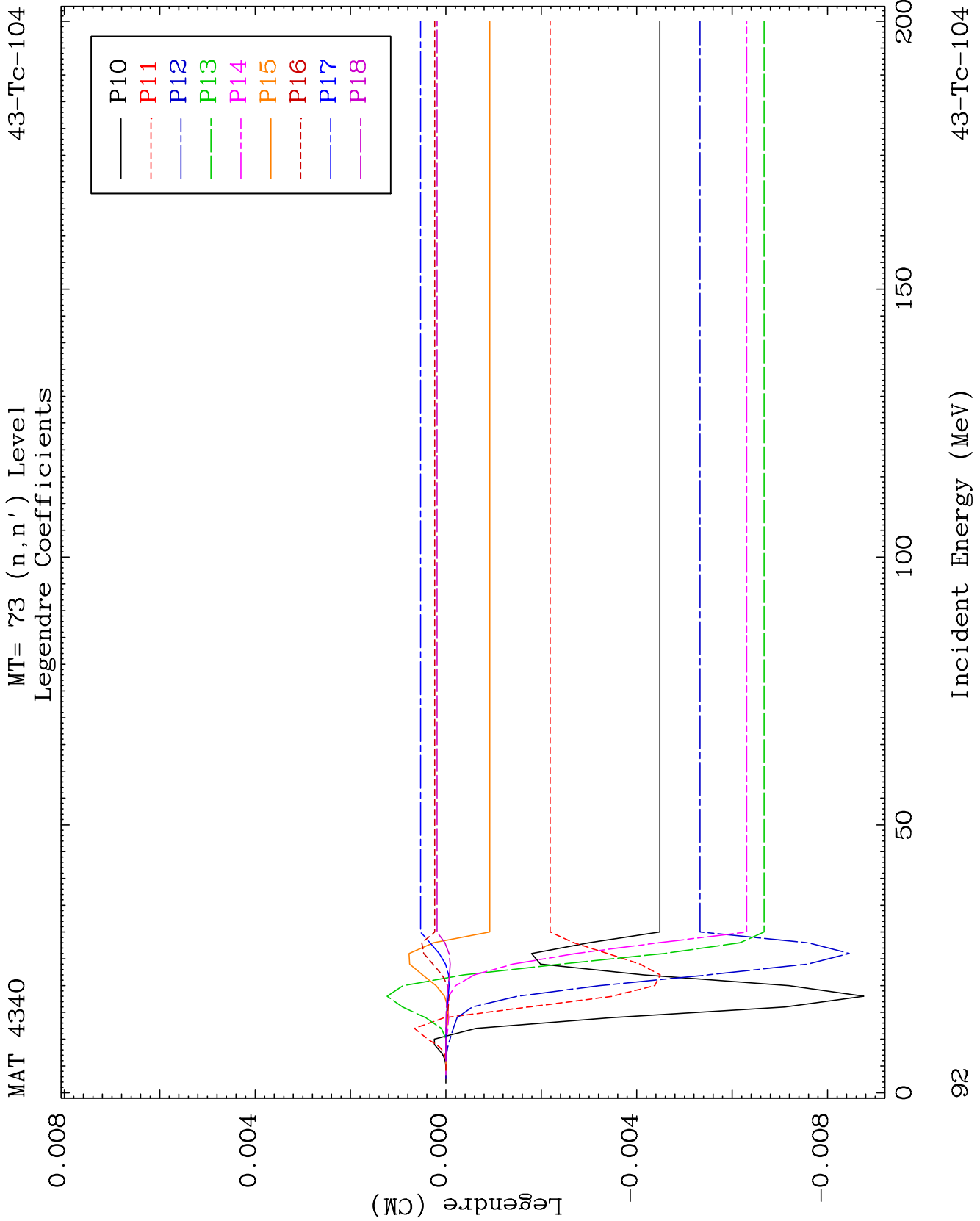
43-Tc-104

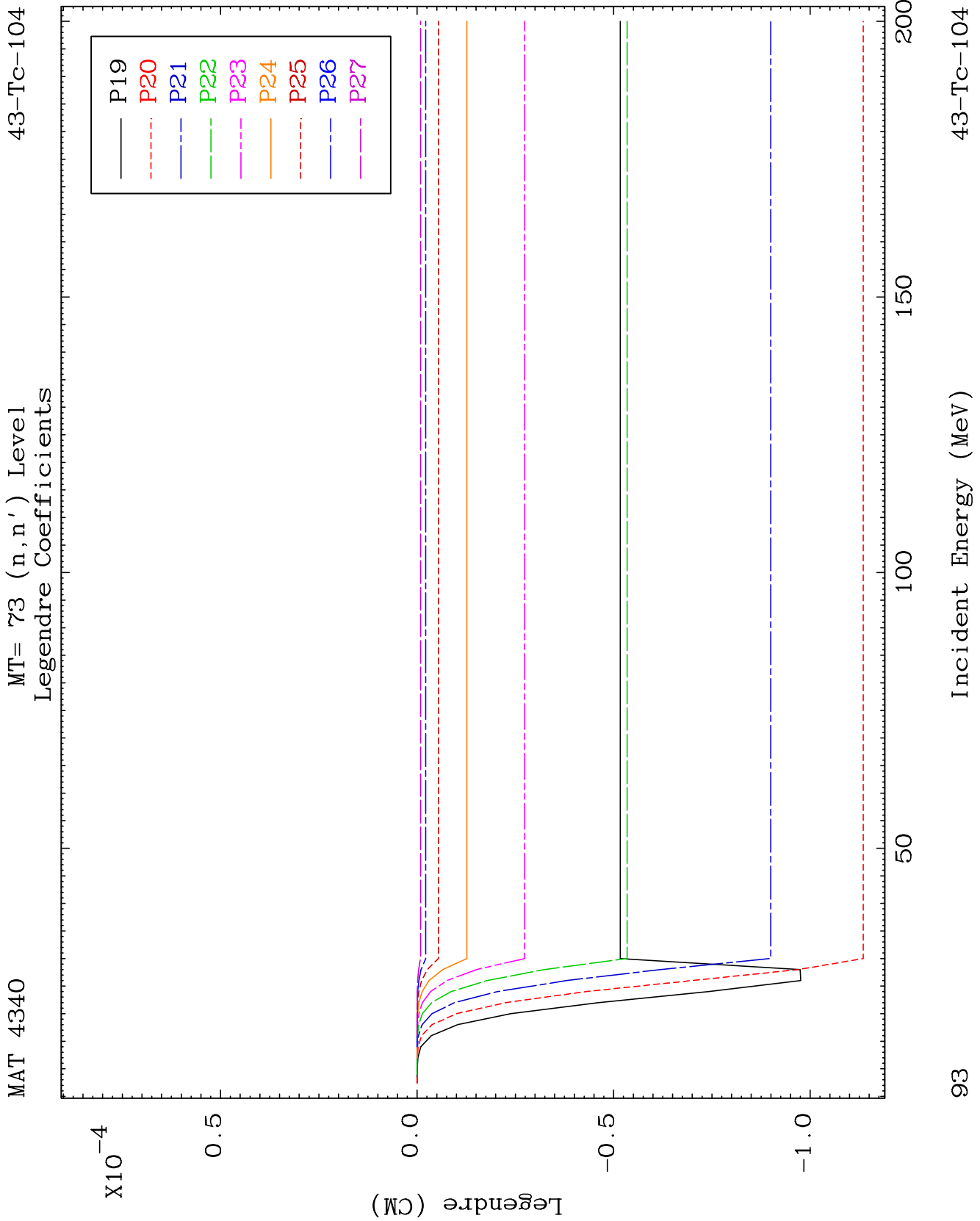


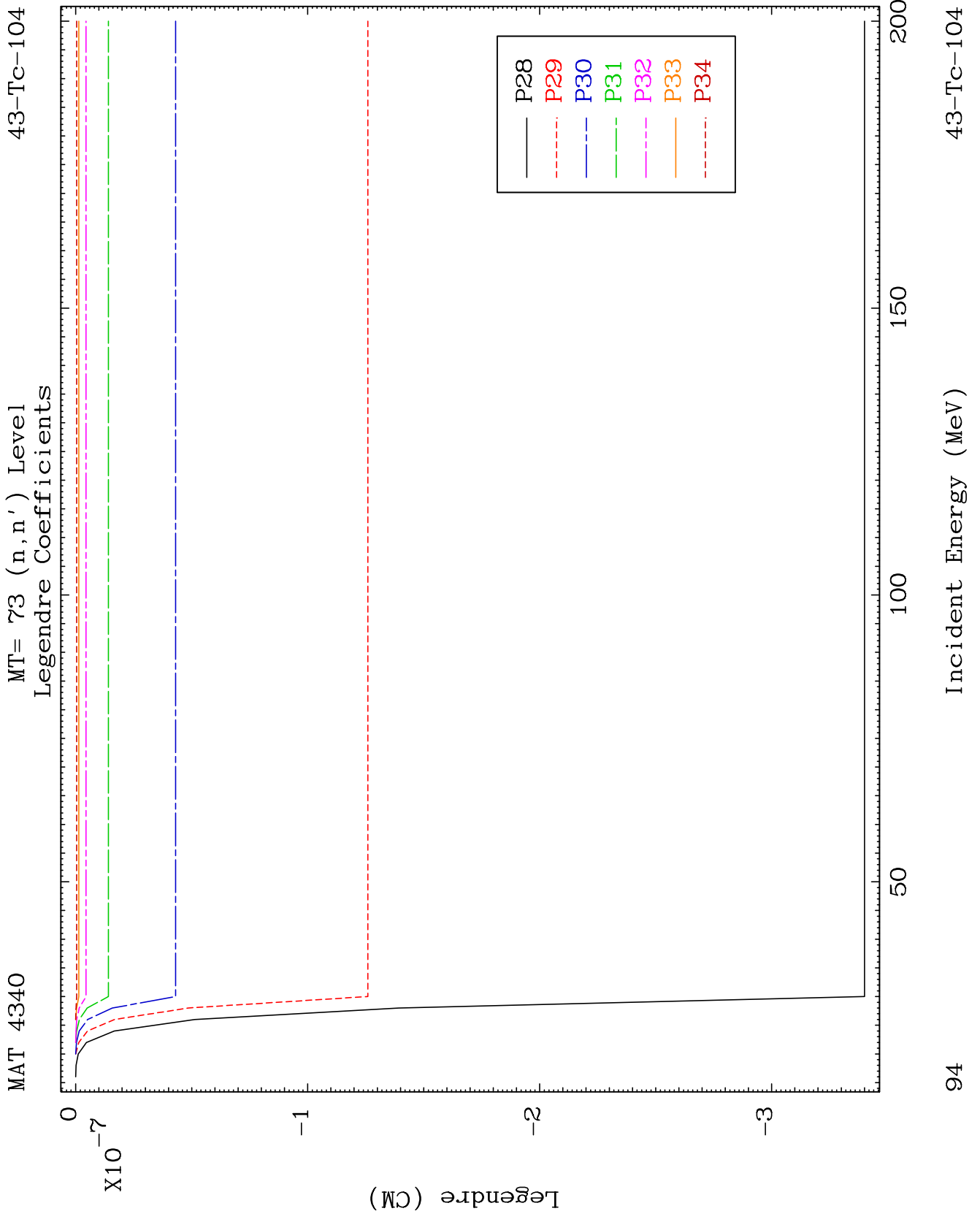
91

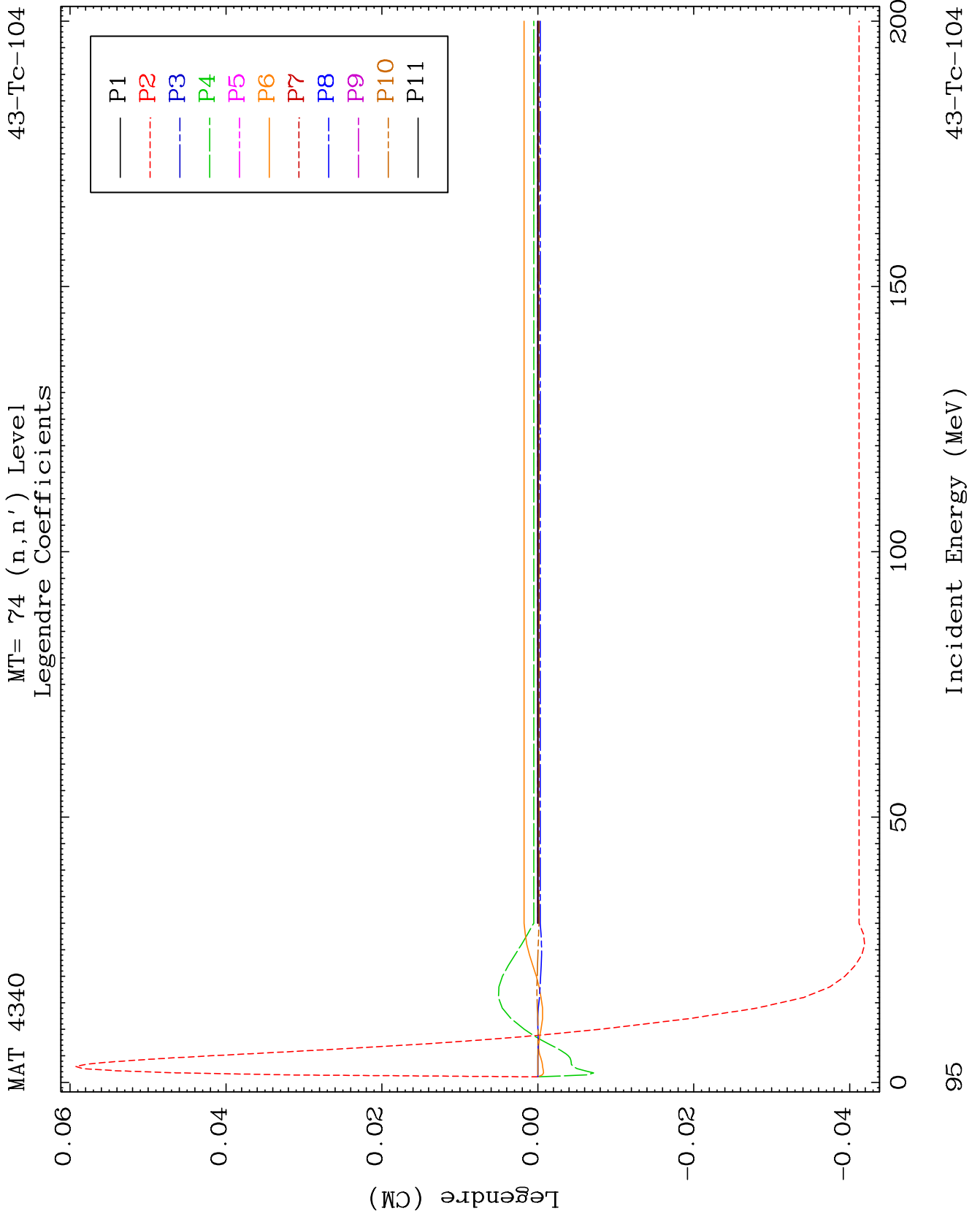
Incident Energy (MeV)

43-Tc-104







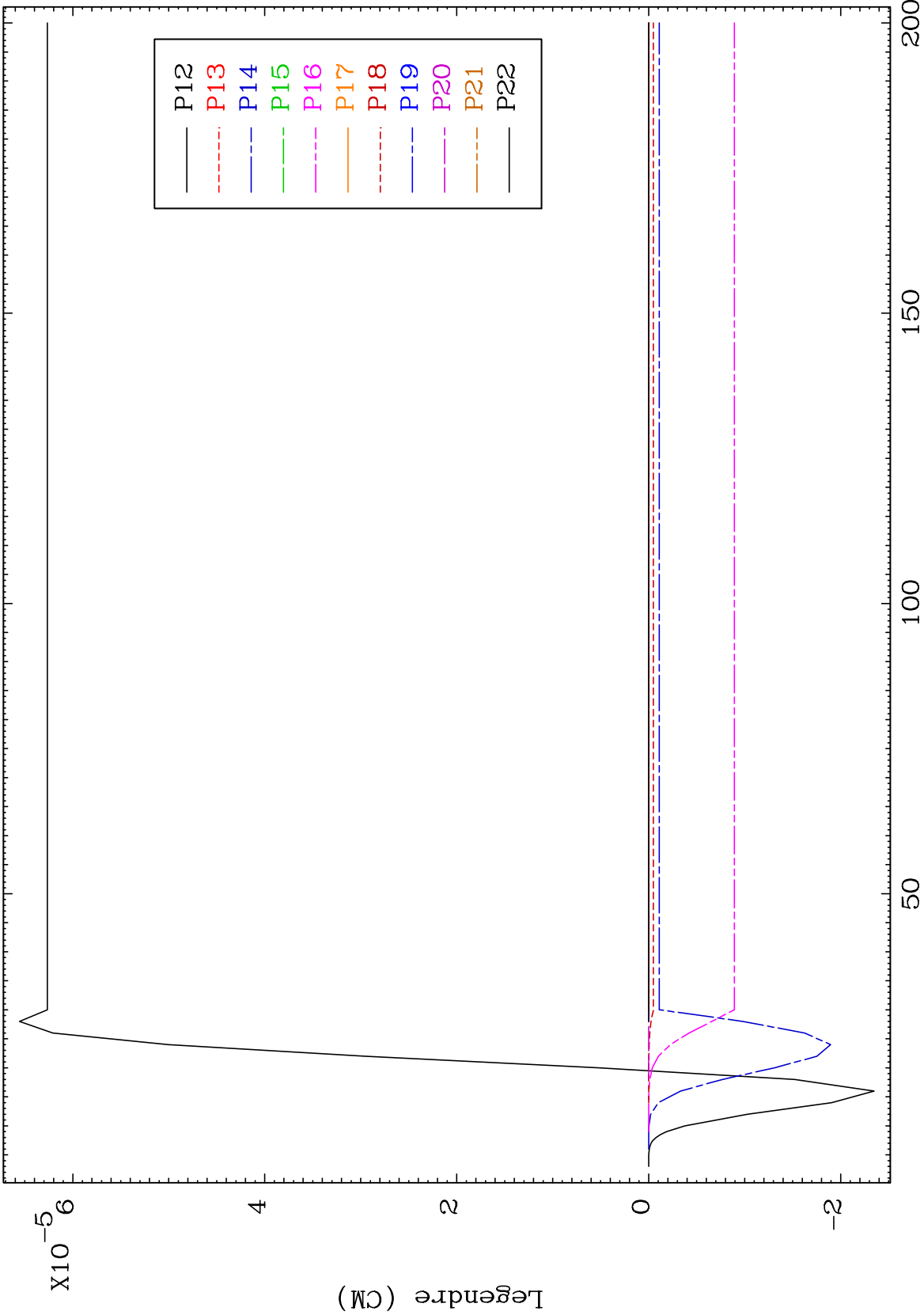




MAT 4340

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

43-Tc-104



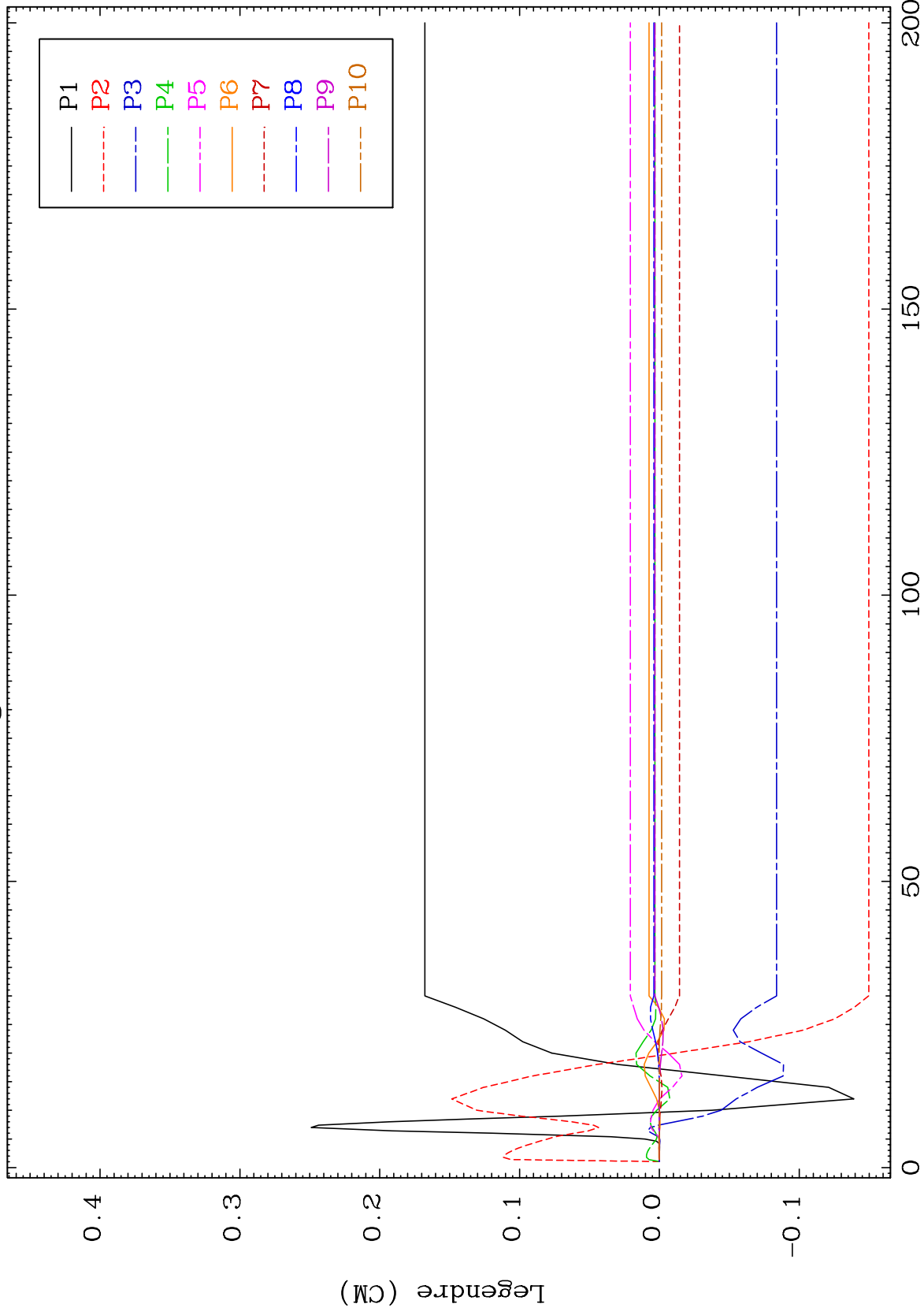
96

43-Tc-104

MAT 4340

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

43-Tc-104



97

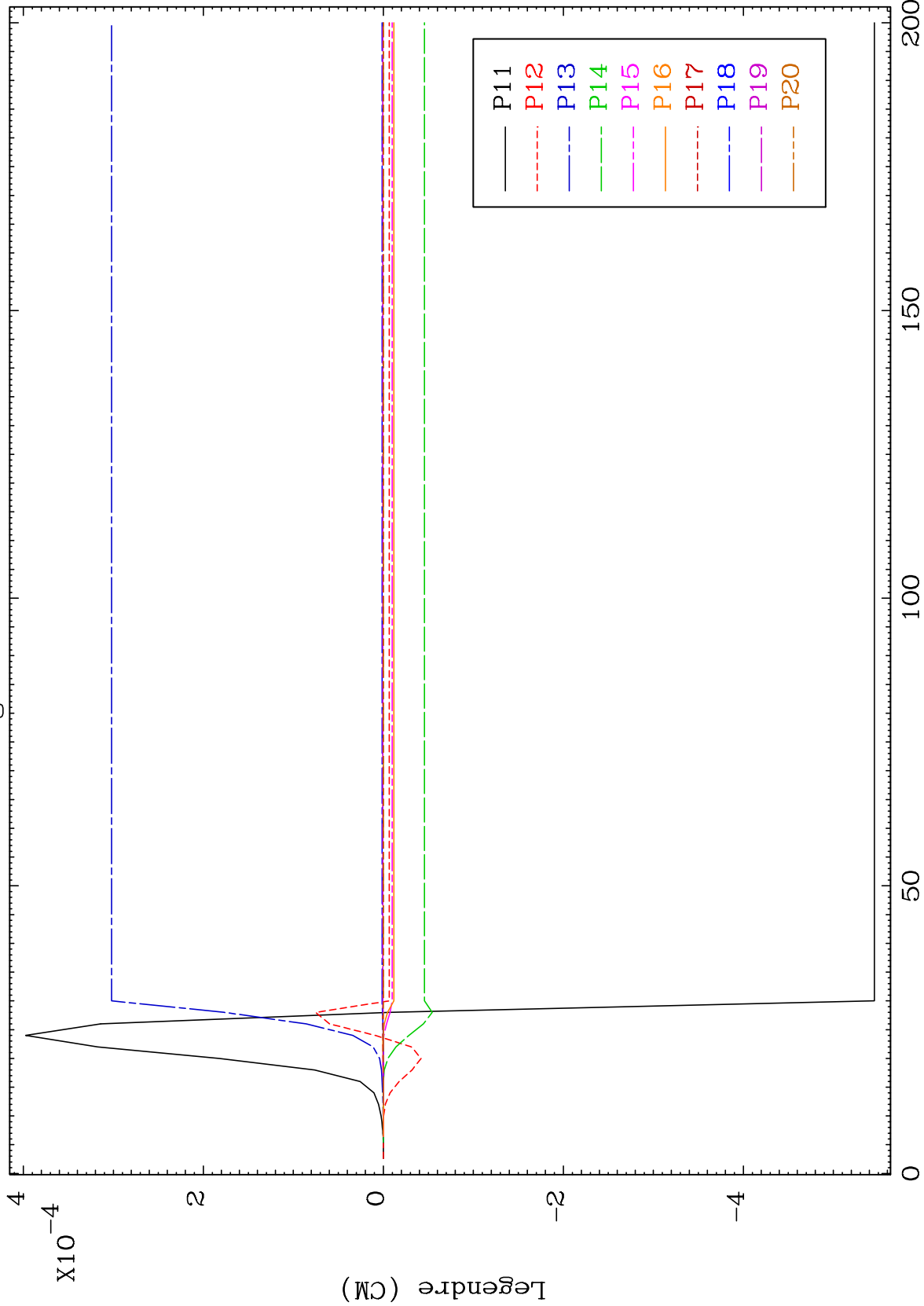
43-Tc-104

MAT 4340

MT= 75 (n,n') Level

43-Tc-104

Legendre Coefficients



98

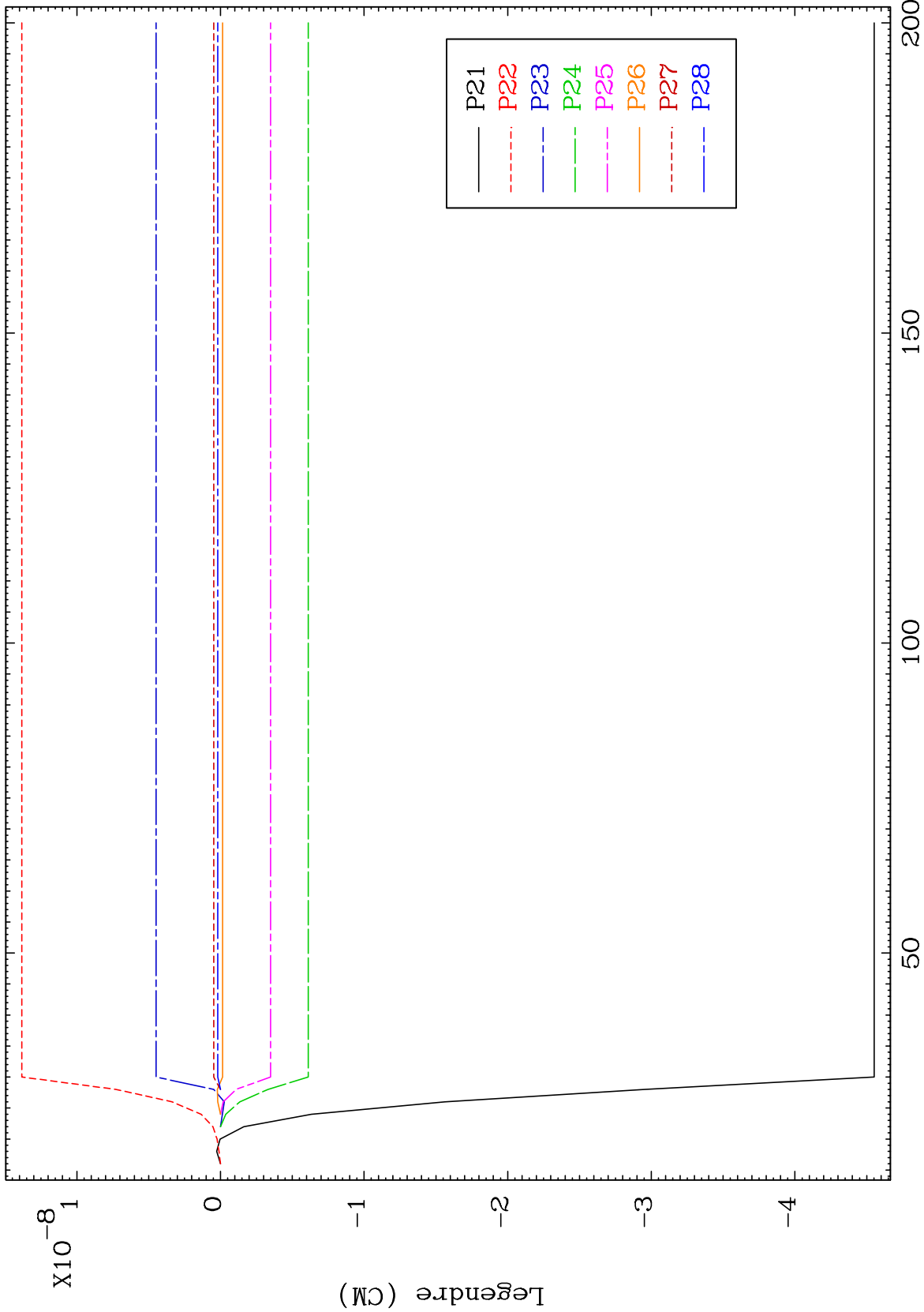
Incident Energy (MeV)

43-Tc-104

MAT 4340

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

43-Tc-104

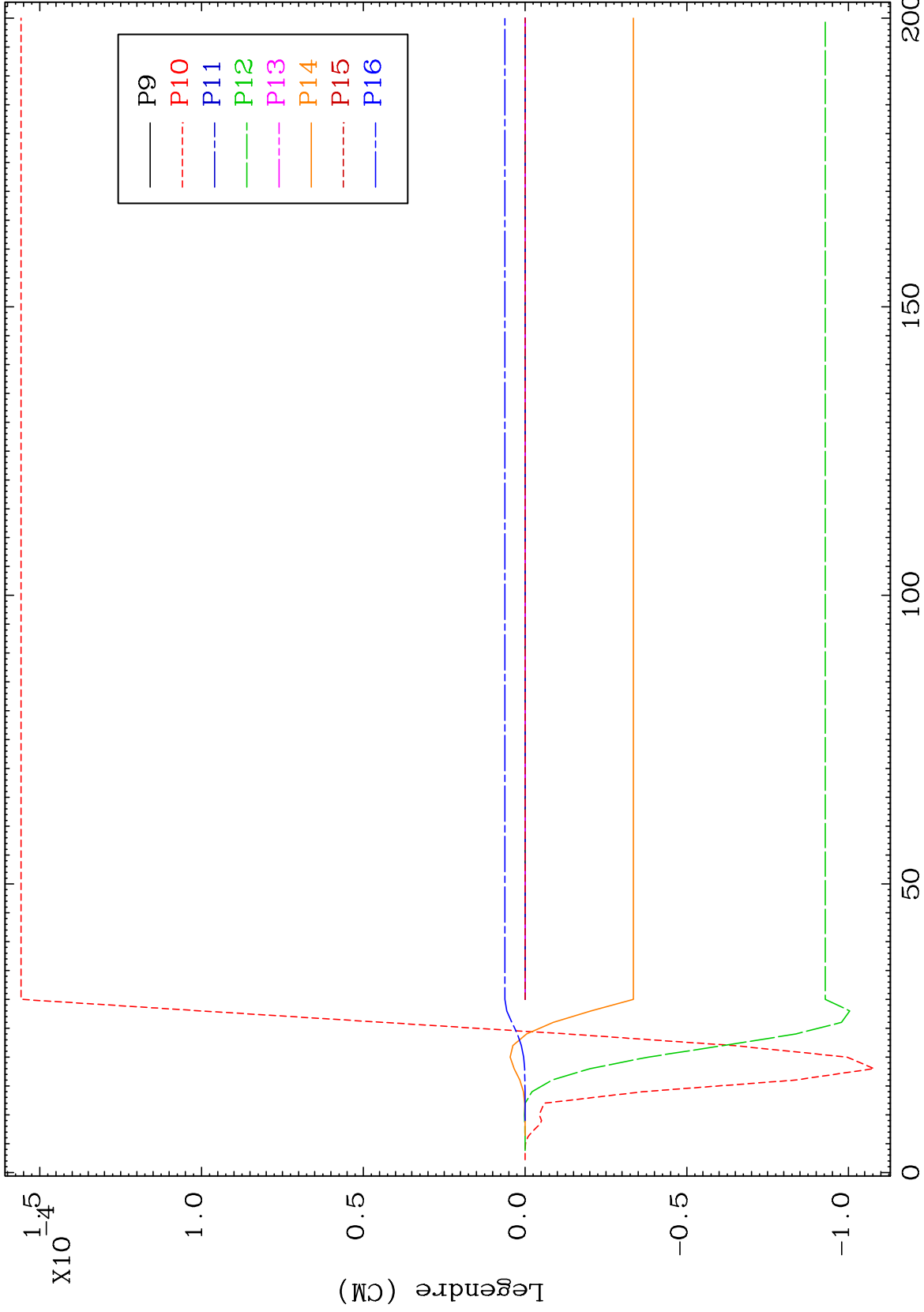




MAT 4340

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

43-Tc-104

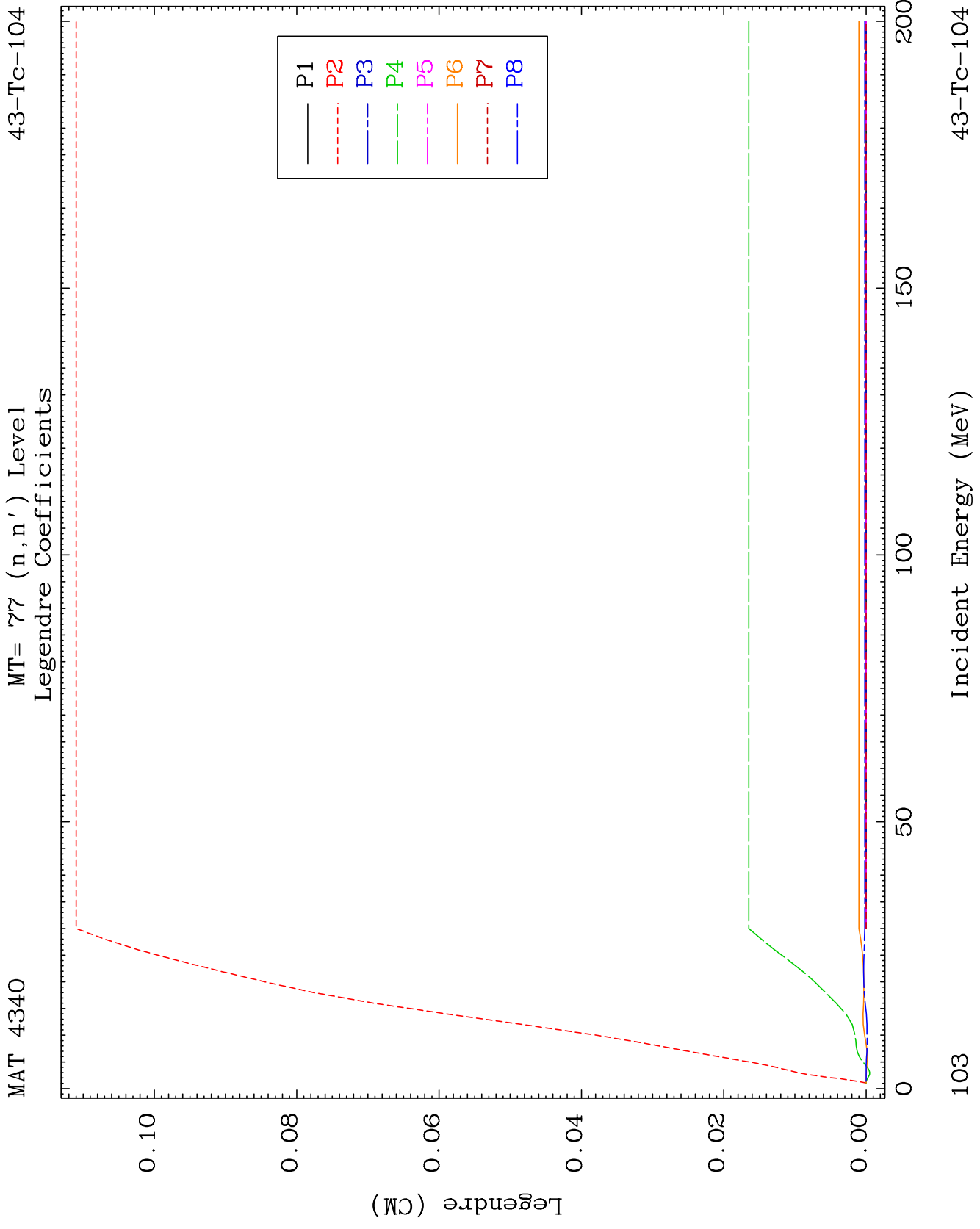


101

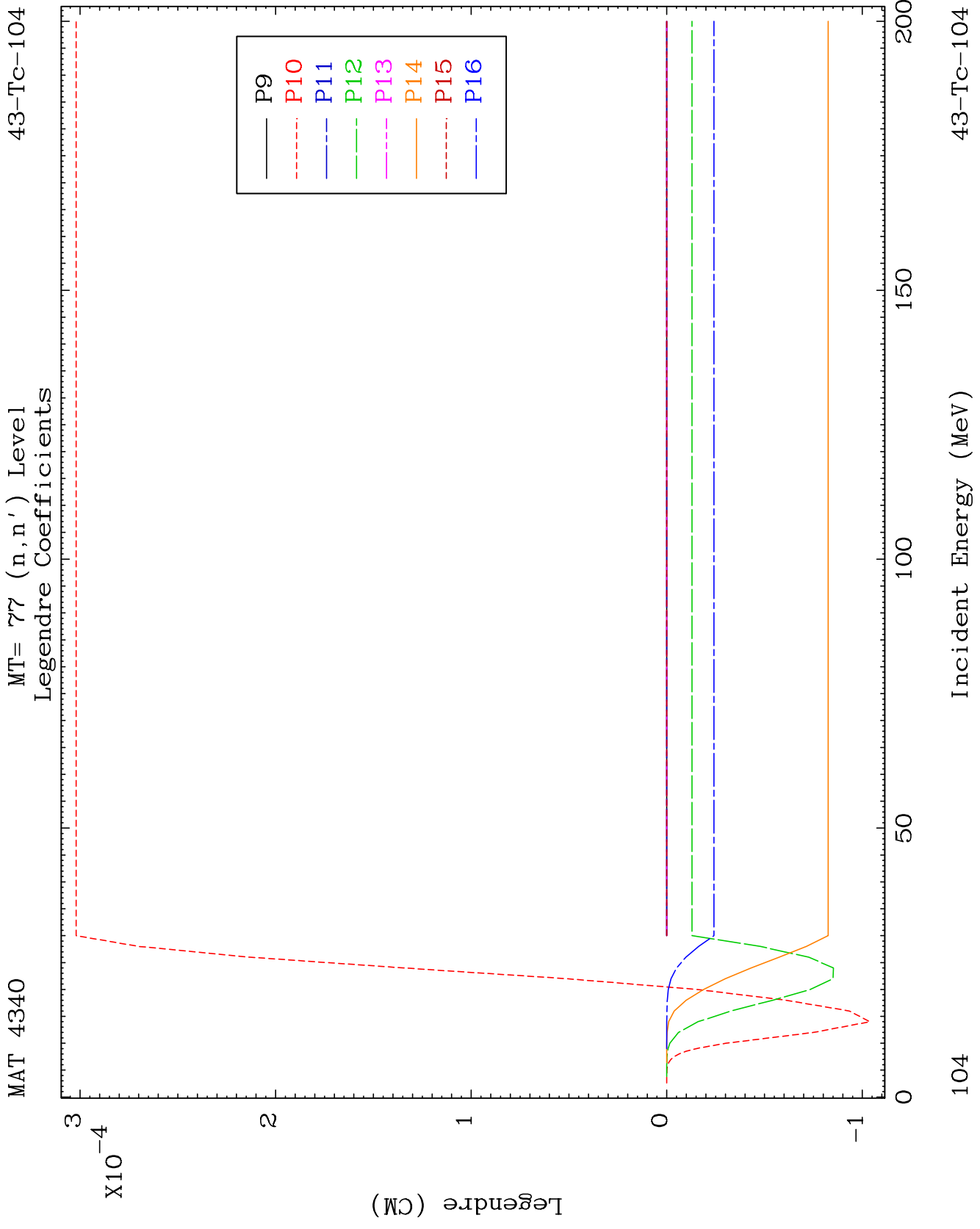
Incident Energy (MeV)

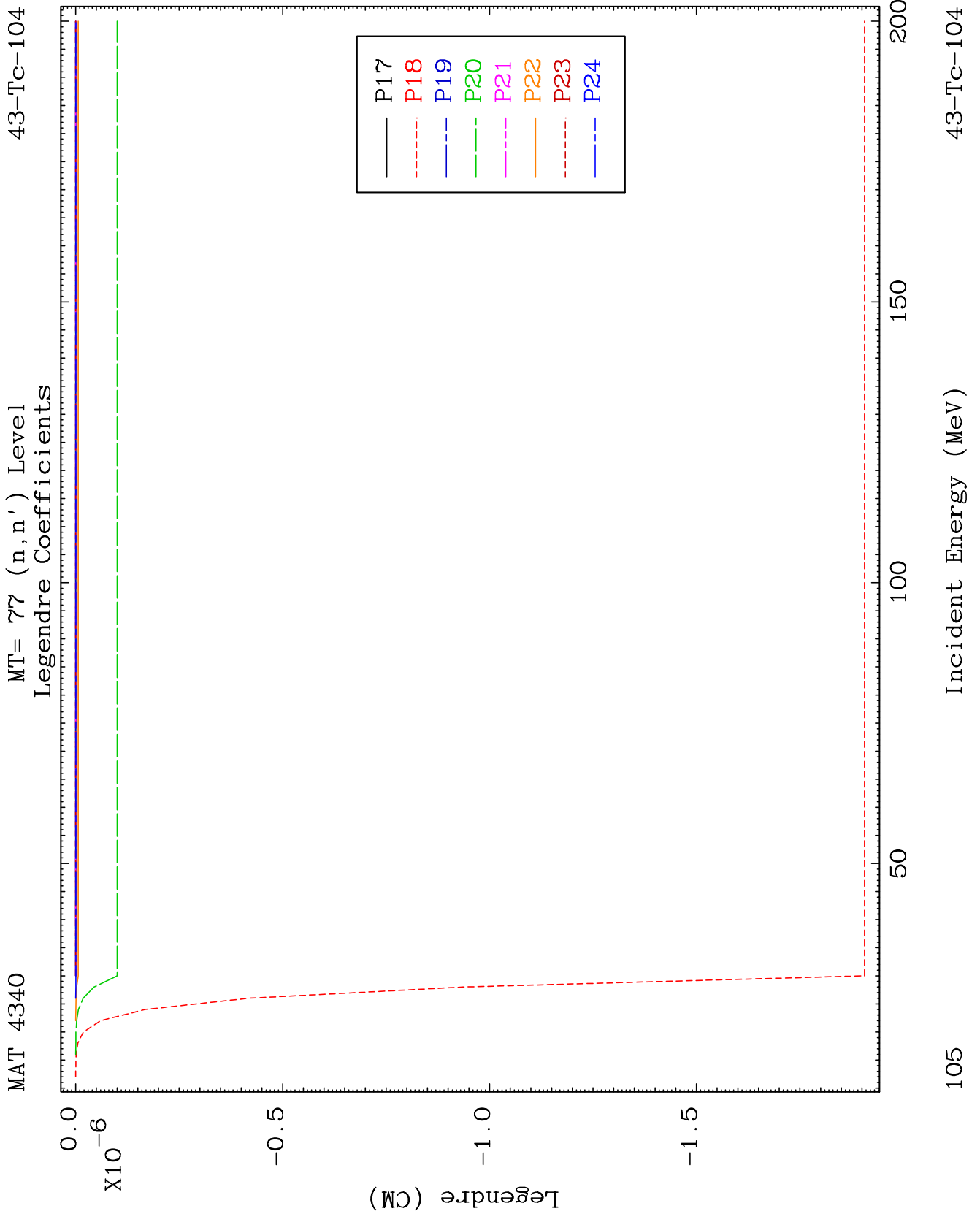
43-Tc-104

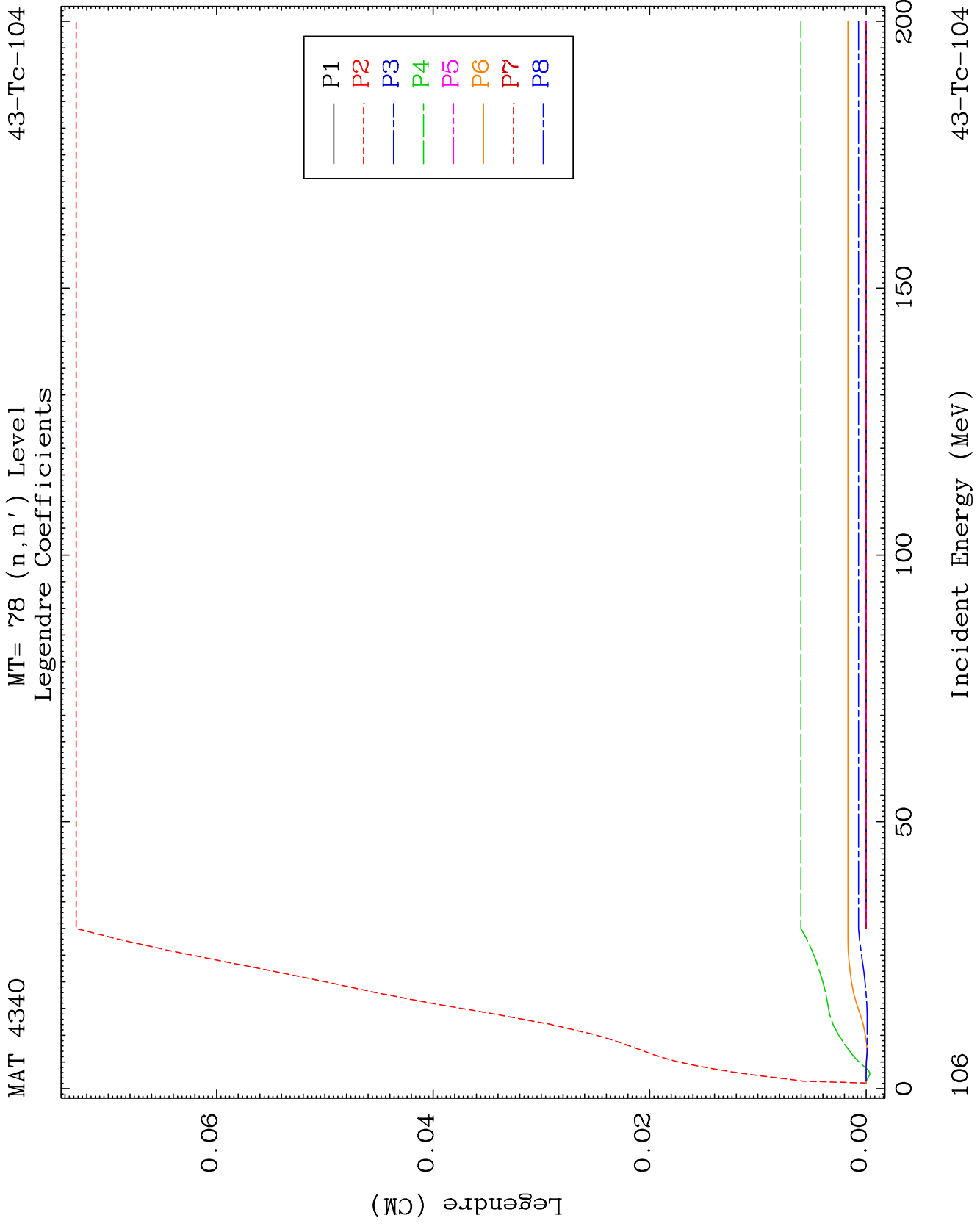


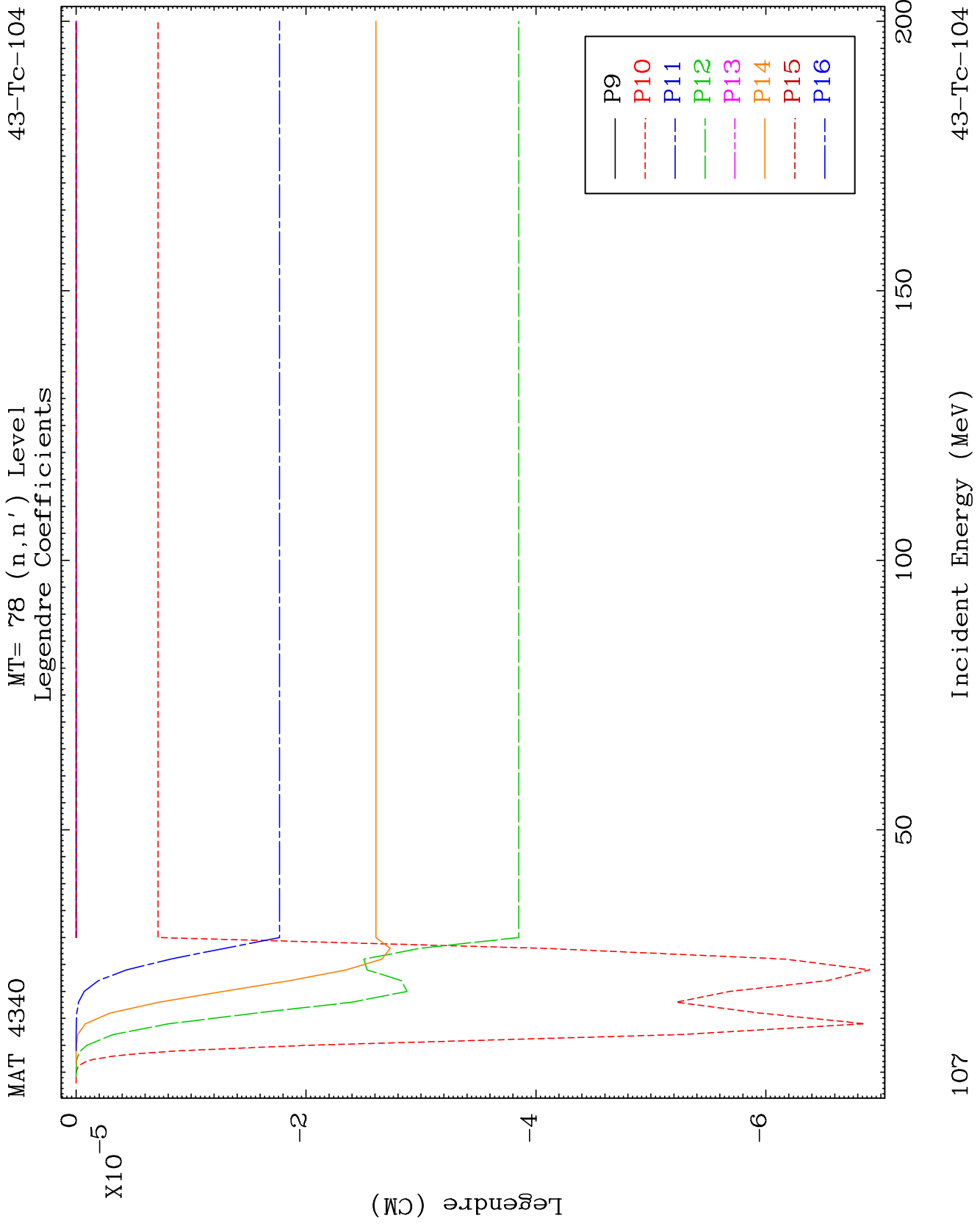


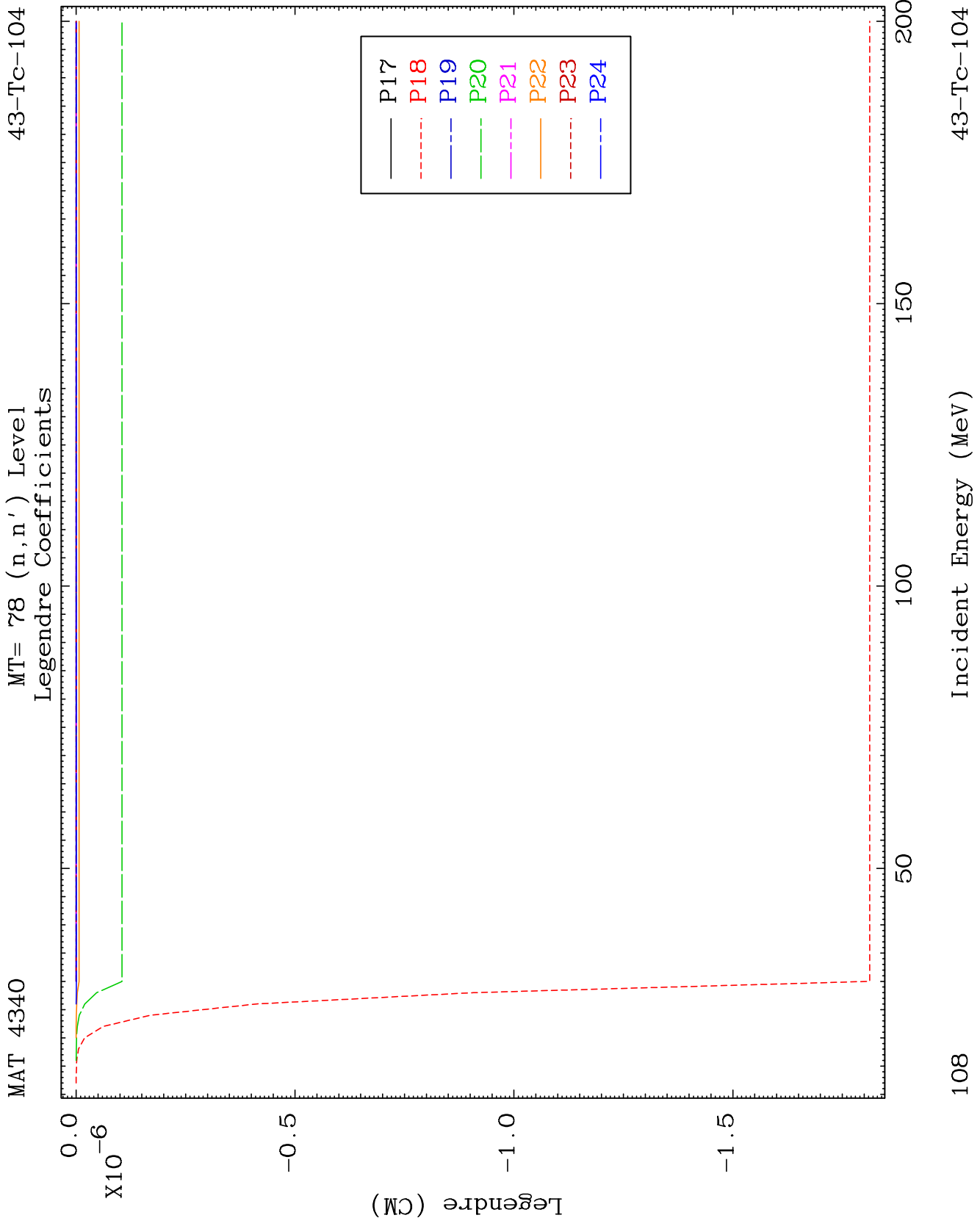








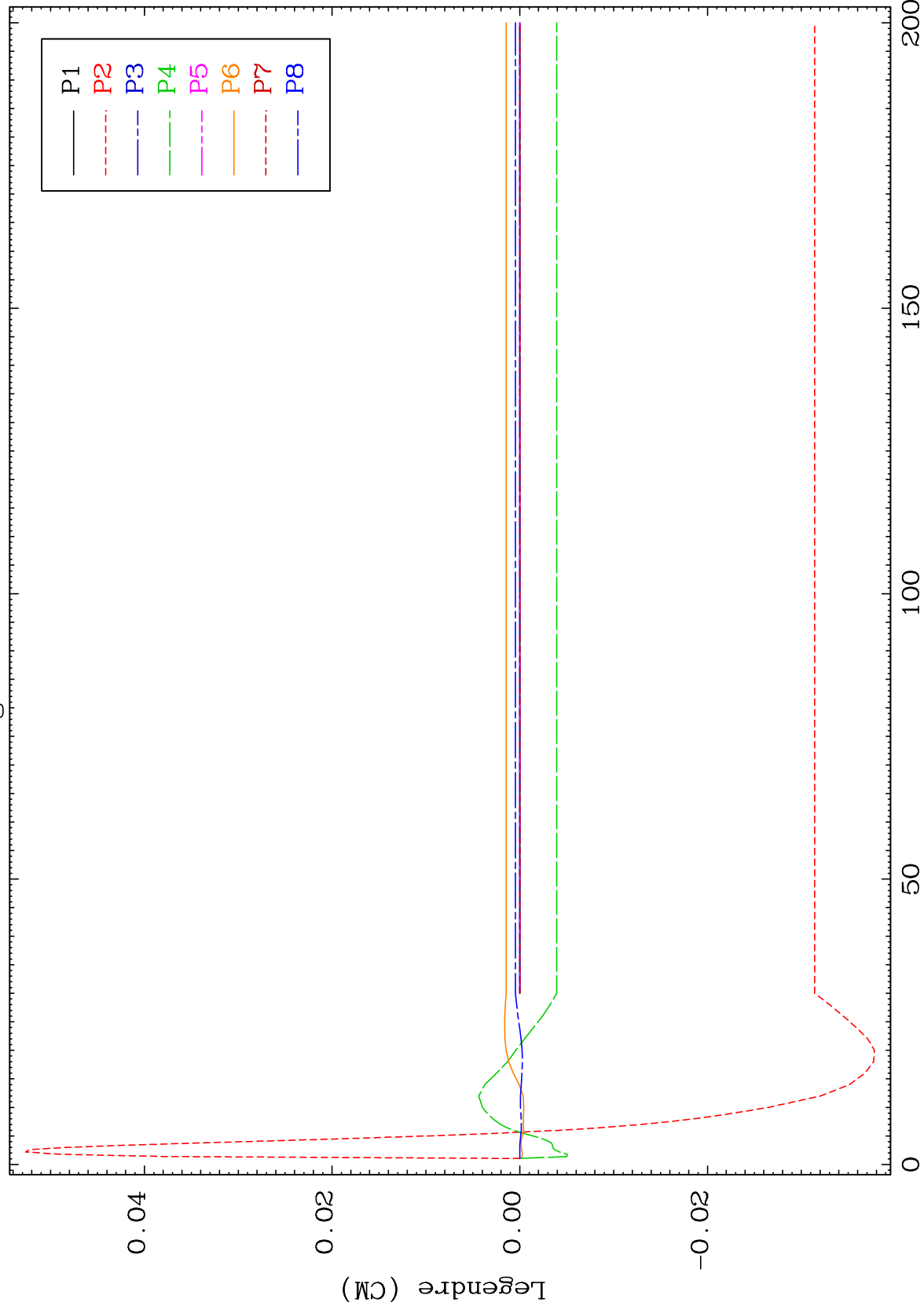




MAT 4340

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

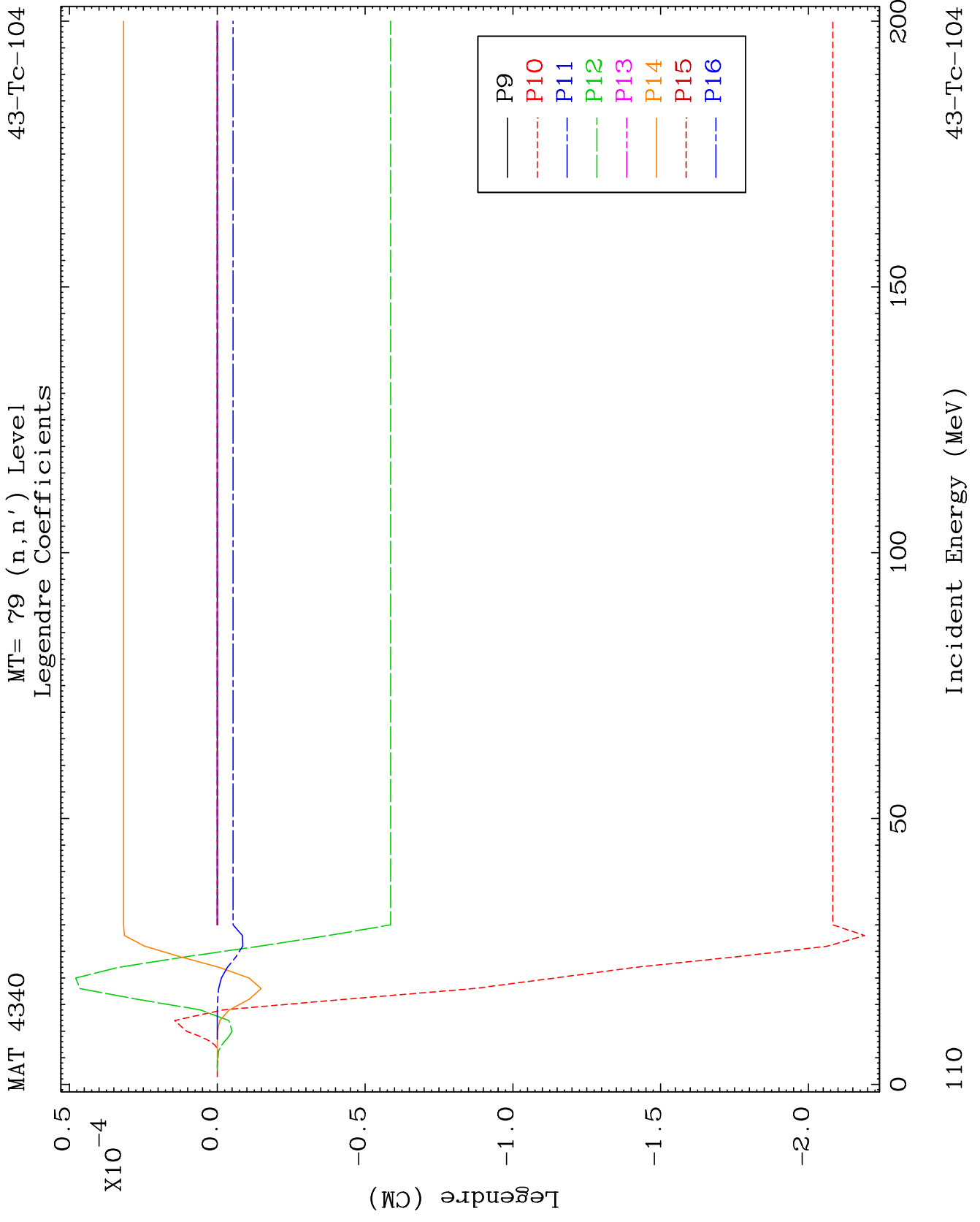
43-Tc-104

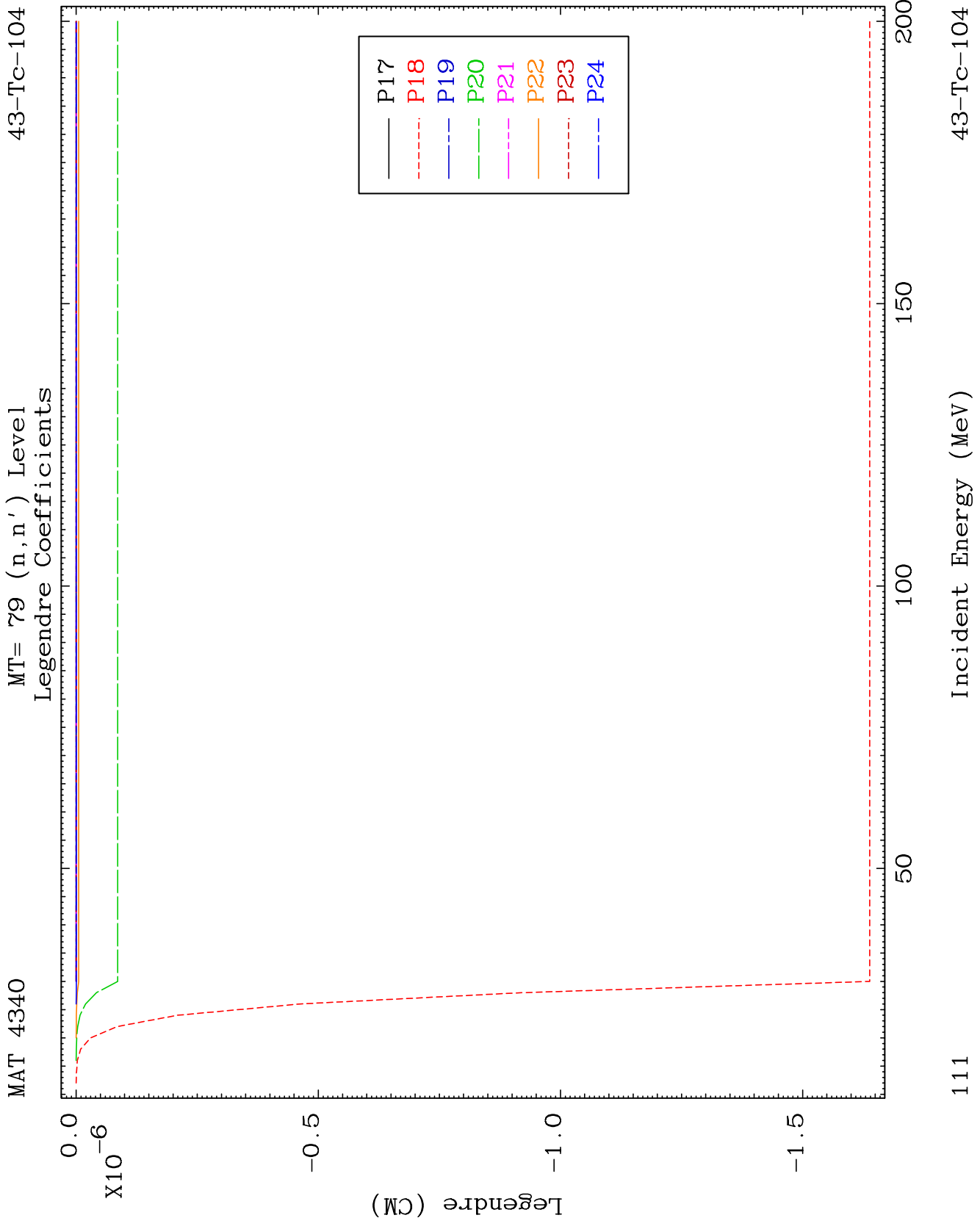


109

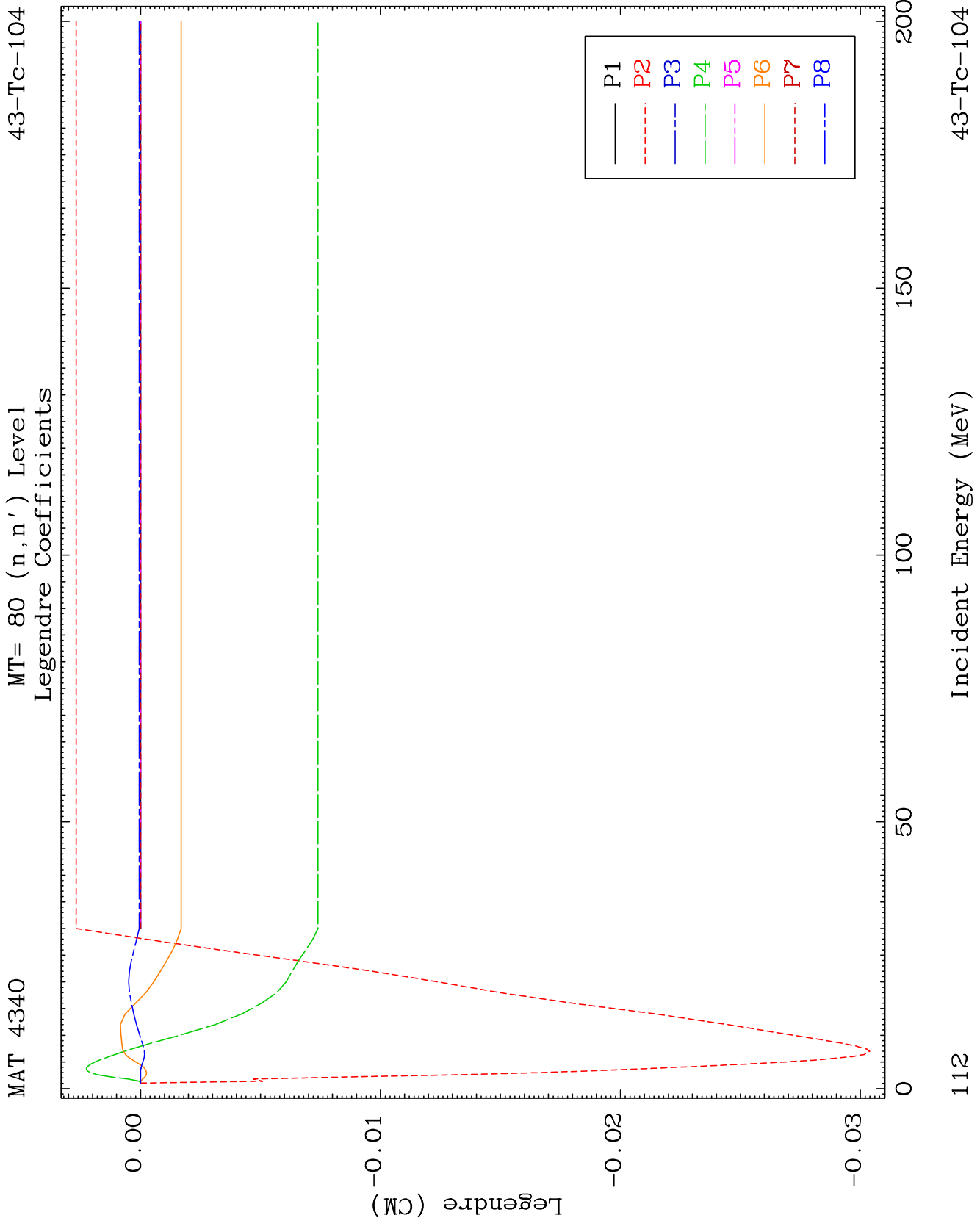
Incident Energy (MeV)

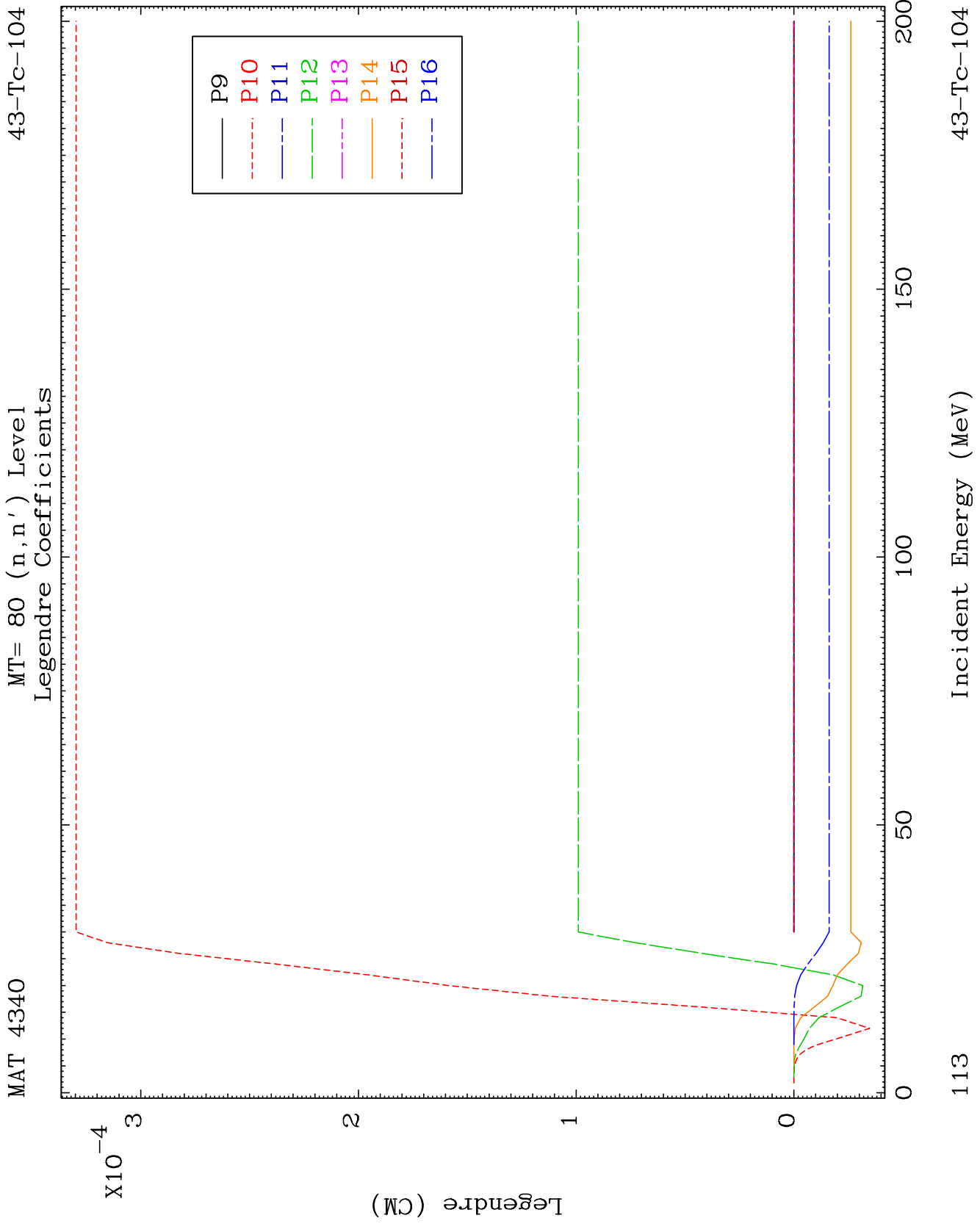
43-Tc-104

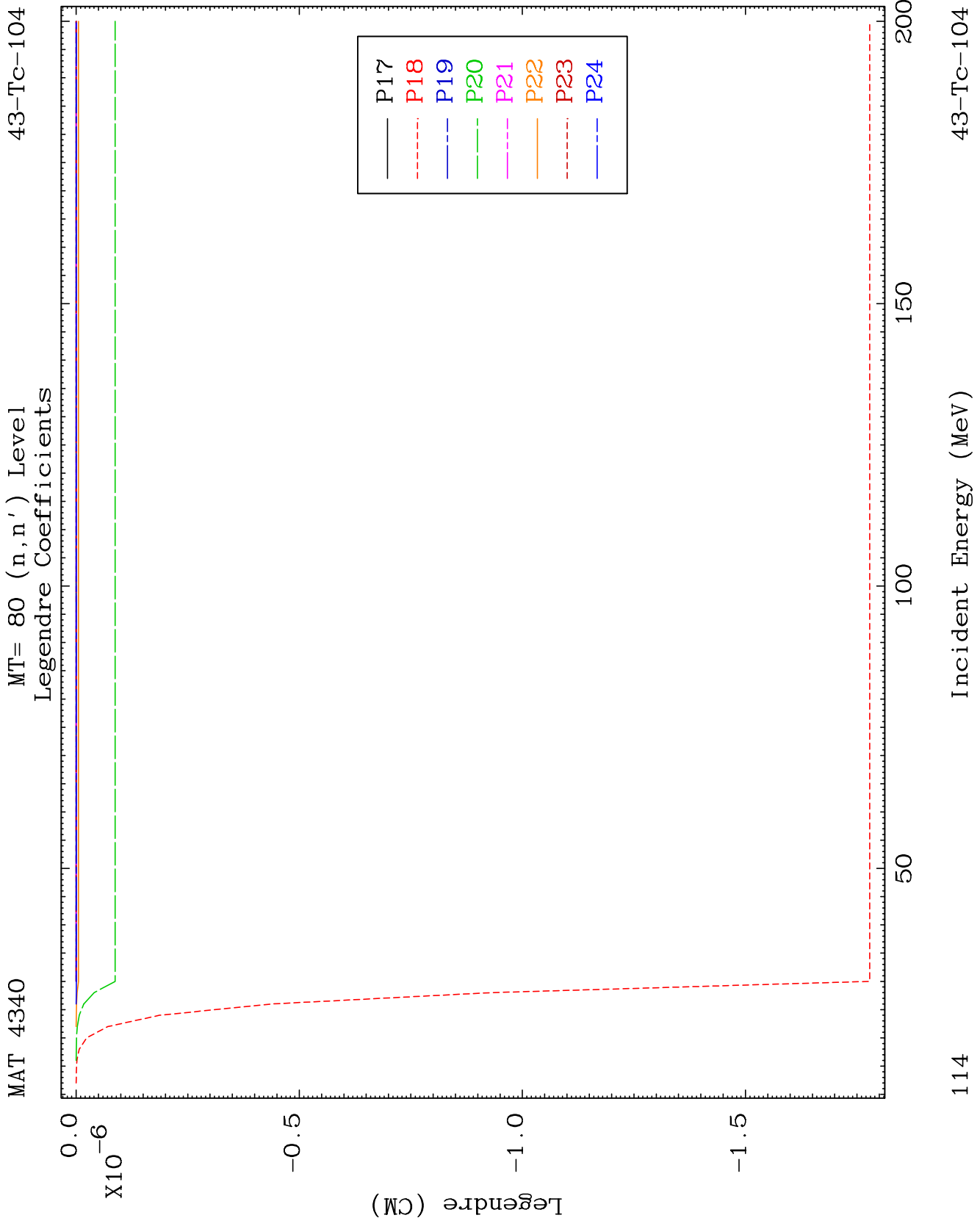










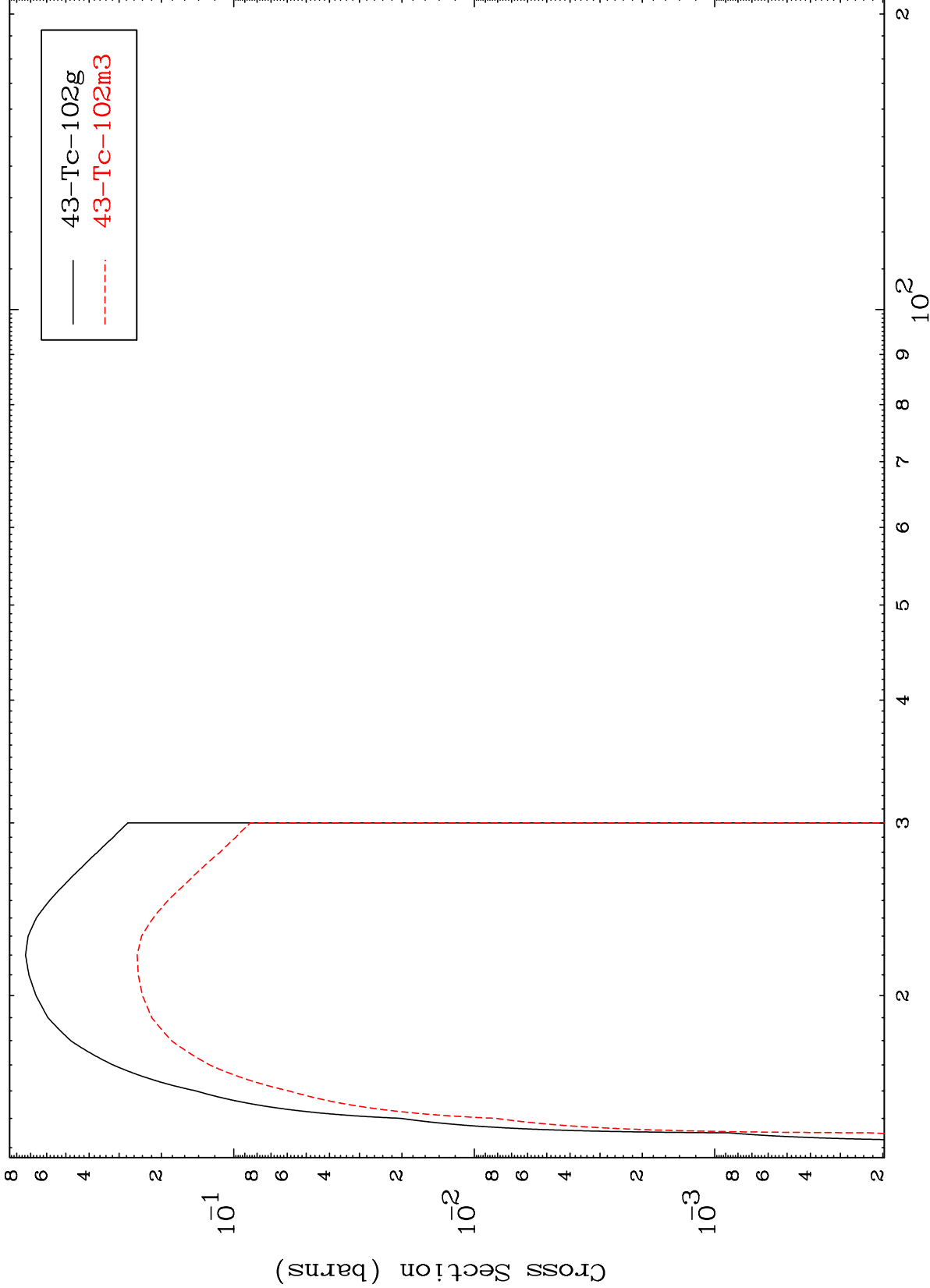


MAT 4340

(n,3n)

43-Tc-104

Radionuclide Production Cross Section



43-Tc-102g  
43-Tc-102m3

115

Incident Energy (MeV)

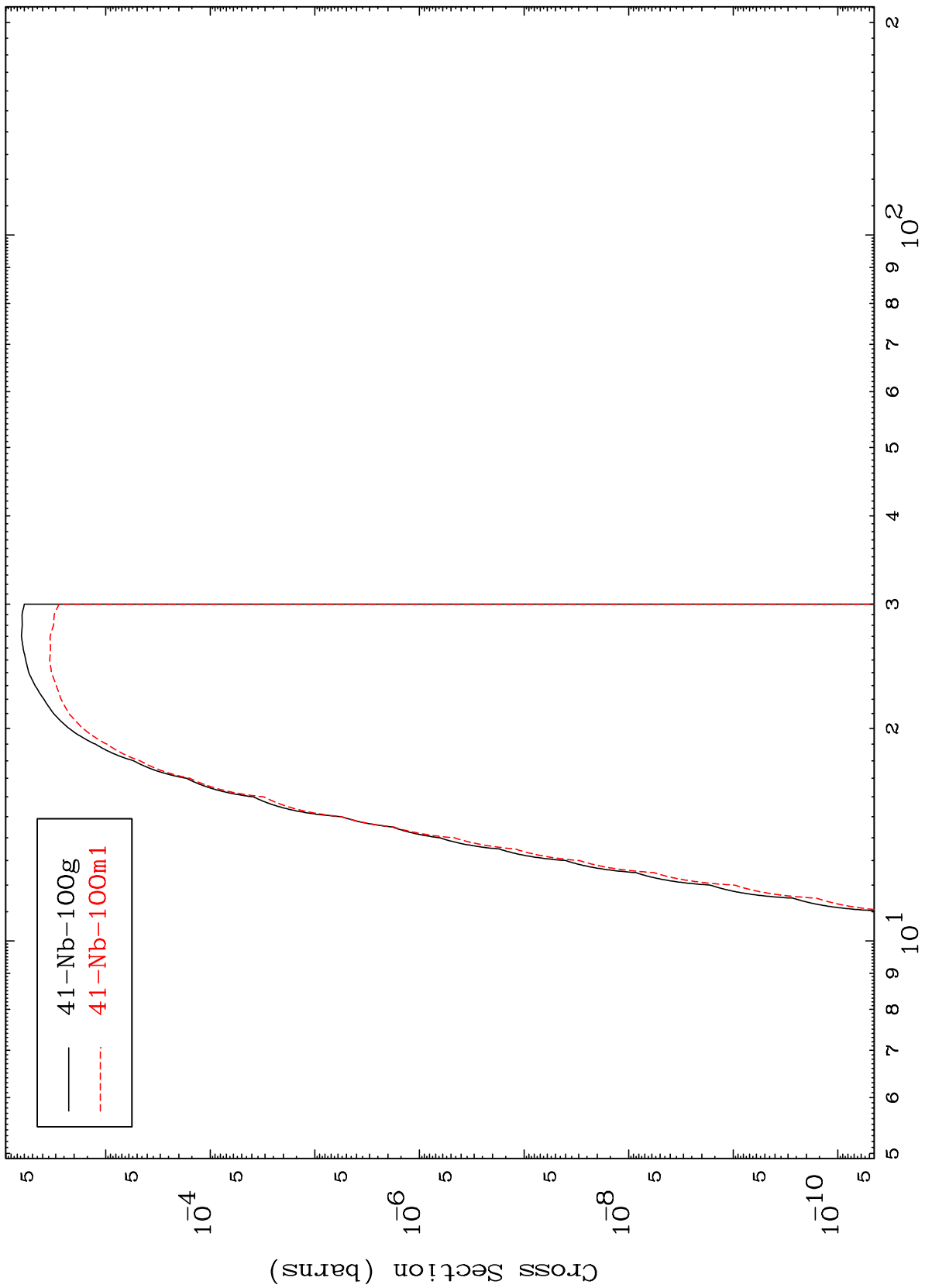
43-Tc-104

MAT 4340

$(n, n')$   $\alpha$

43-Tc-104

Radionuclide Production Cross Section



116

Incident Energy (MeV)

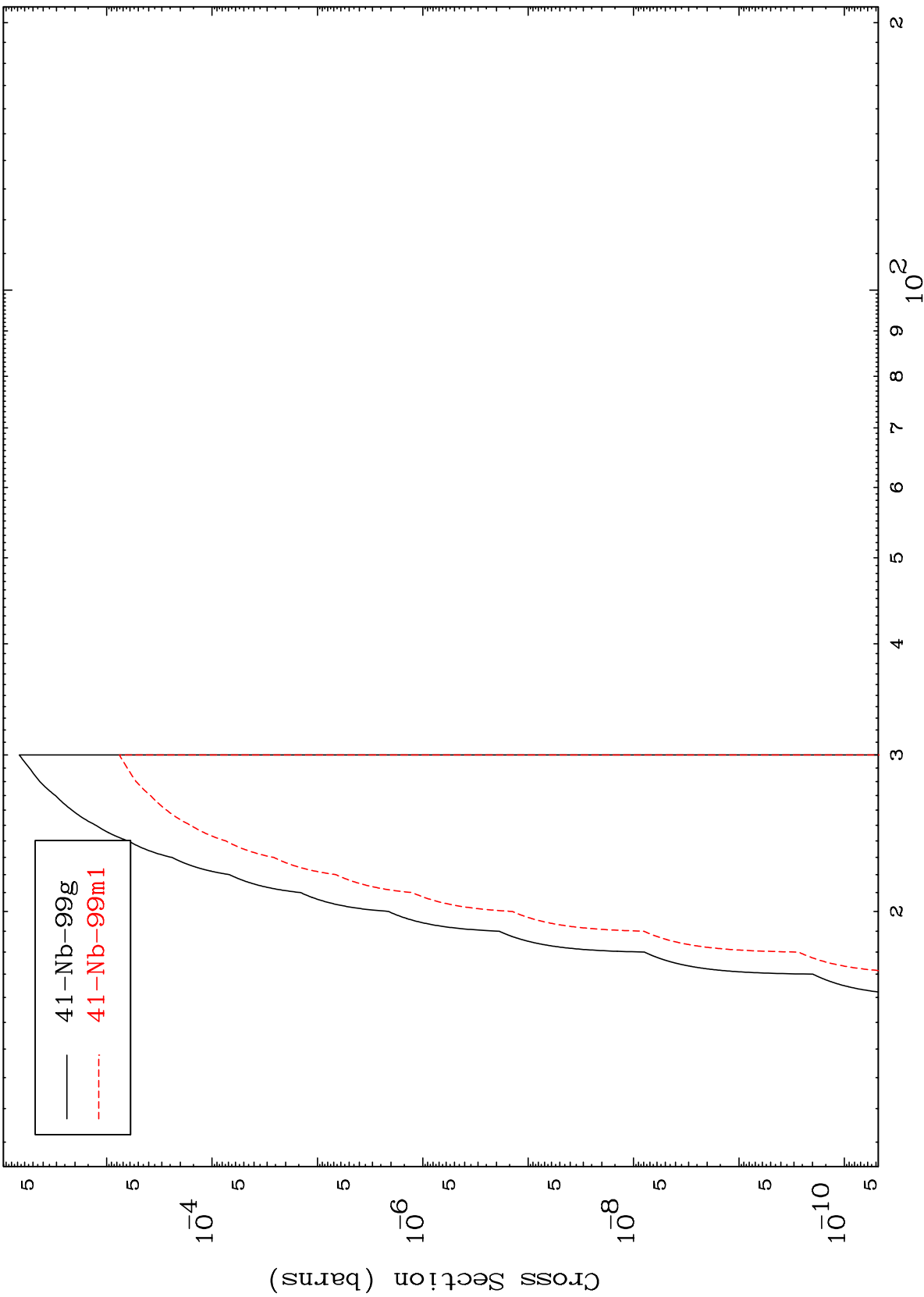
43-Tc-104

MAT 4340

(n,2n)  $\alpha$

43-Tc-104

Radionuclide Production Cross Section

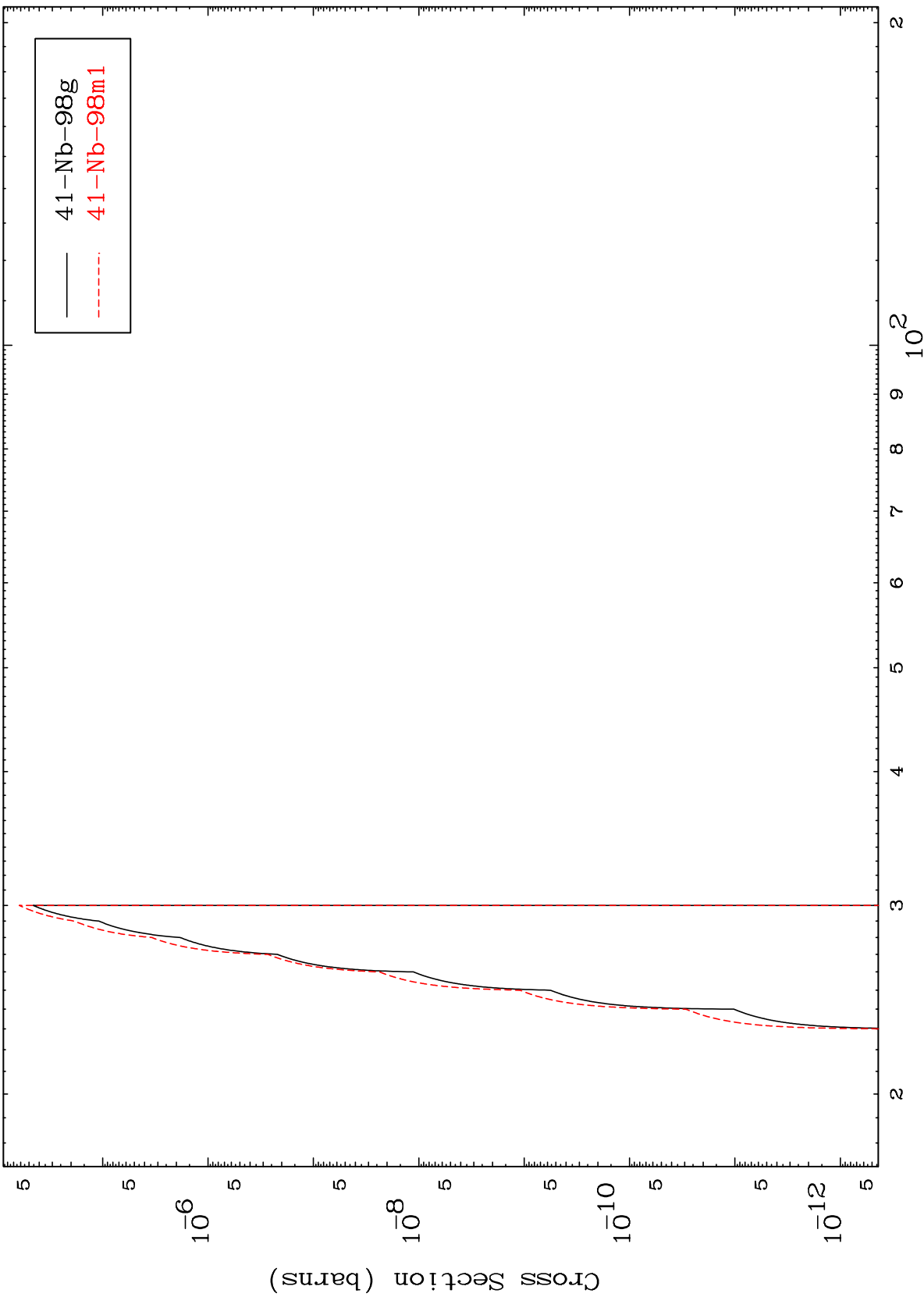


117

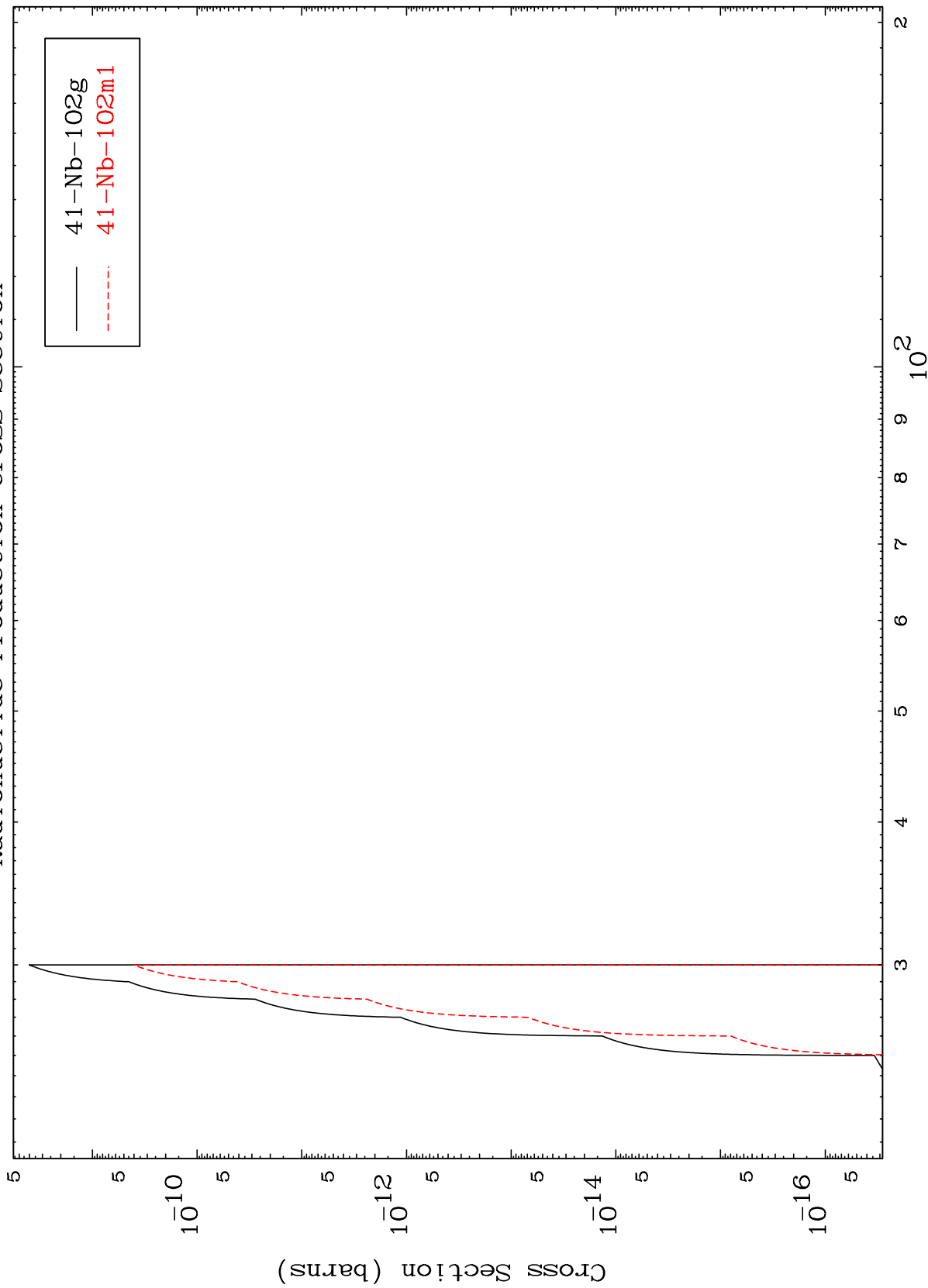
Incident Energy (MeV)

43-Tc-104

Radionuclide Production Cross Section



Radionuclide Production Cross Section

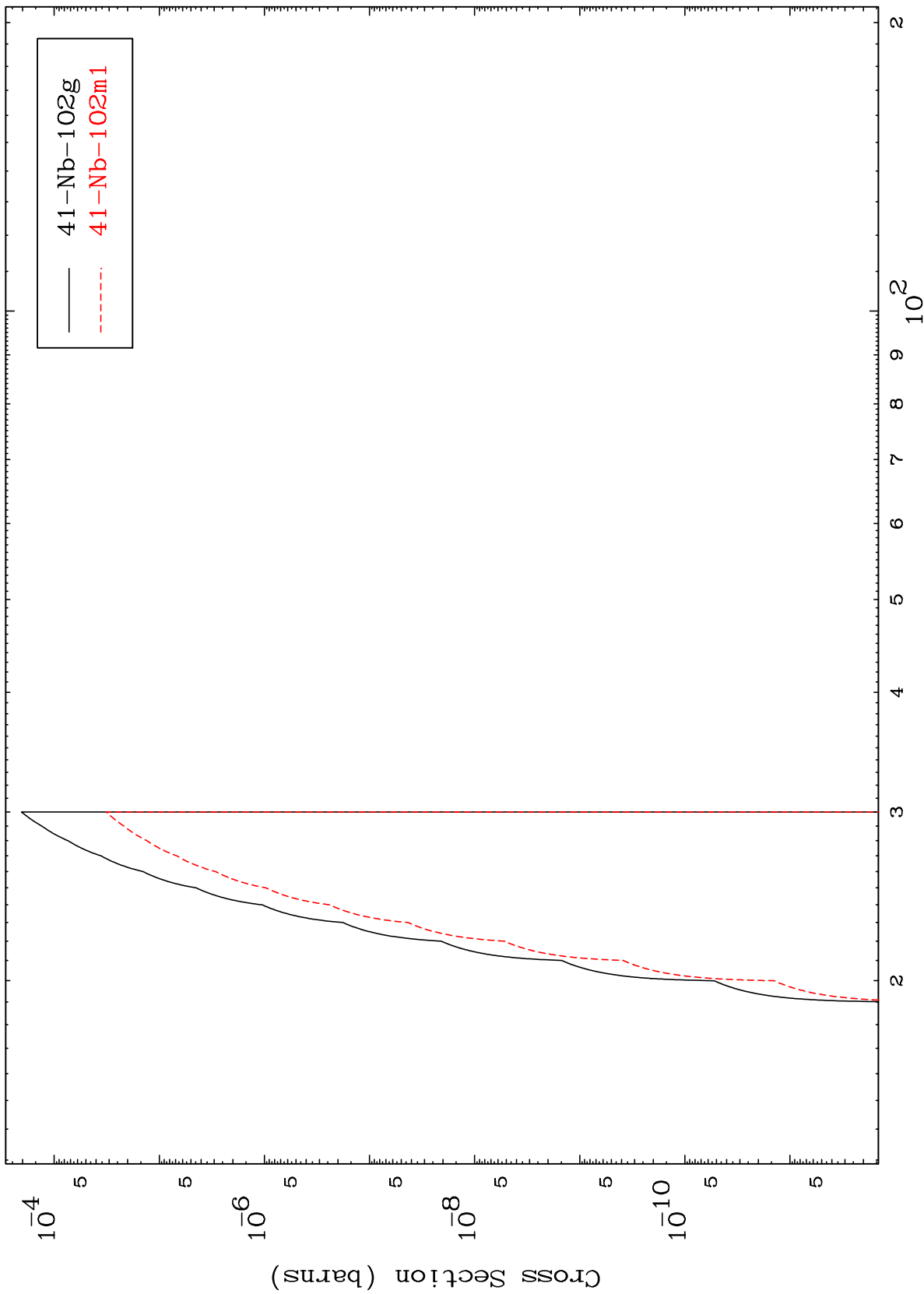




MAT 4340

43-Tc-104

(n,He-3)  
Radionuclide Production Cross Section



41-Nb-102g  
41-Nb-102m1

120

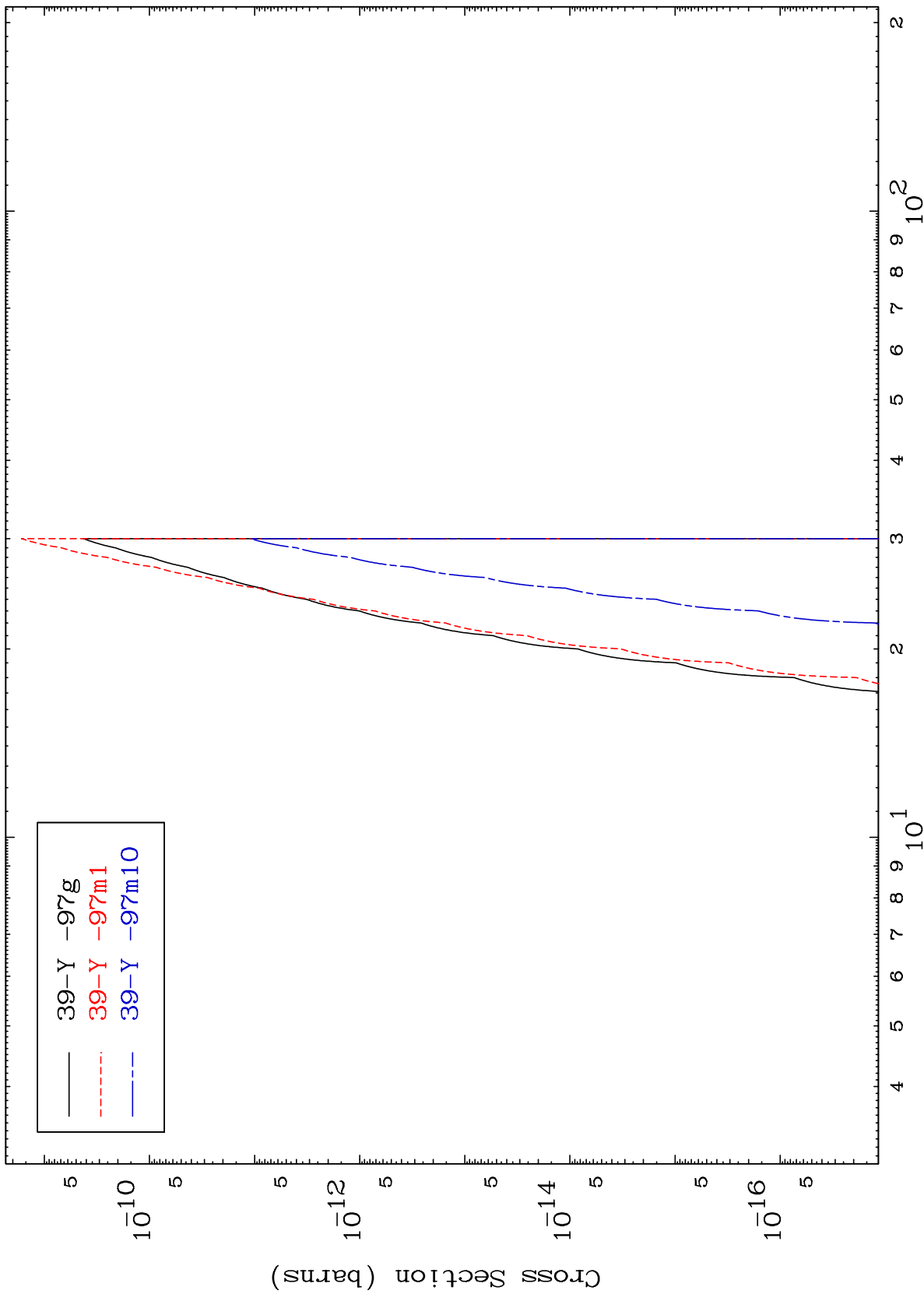
Incident Energy (MeV)

43-Tc-104

MAT 4340

43-Tc-104

(n,2α)  
Radionuclide Production Cross Section



121

43-Tc-104

Incident Energy (MeV)