

Program EVALPLOT  
(Version 2015-2)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

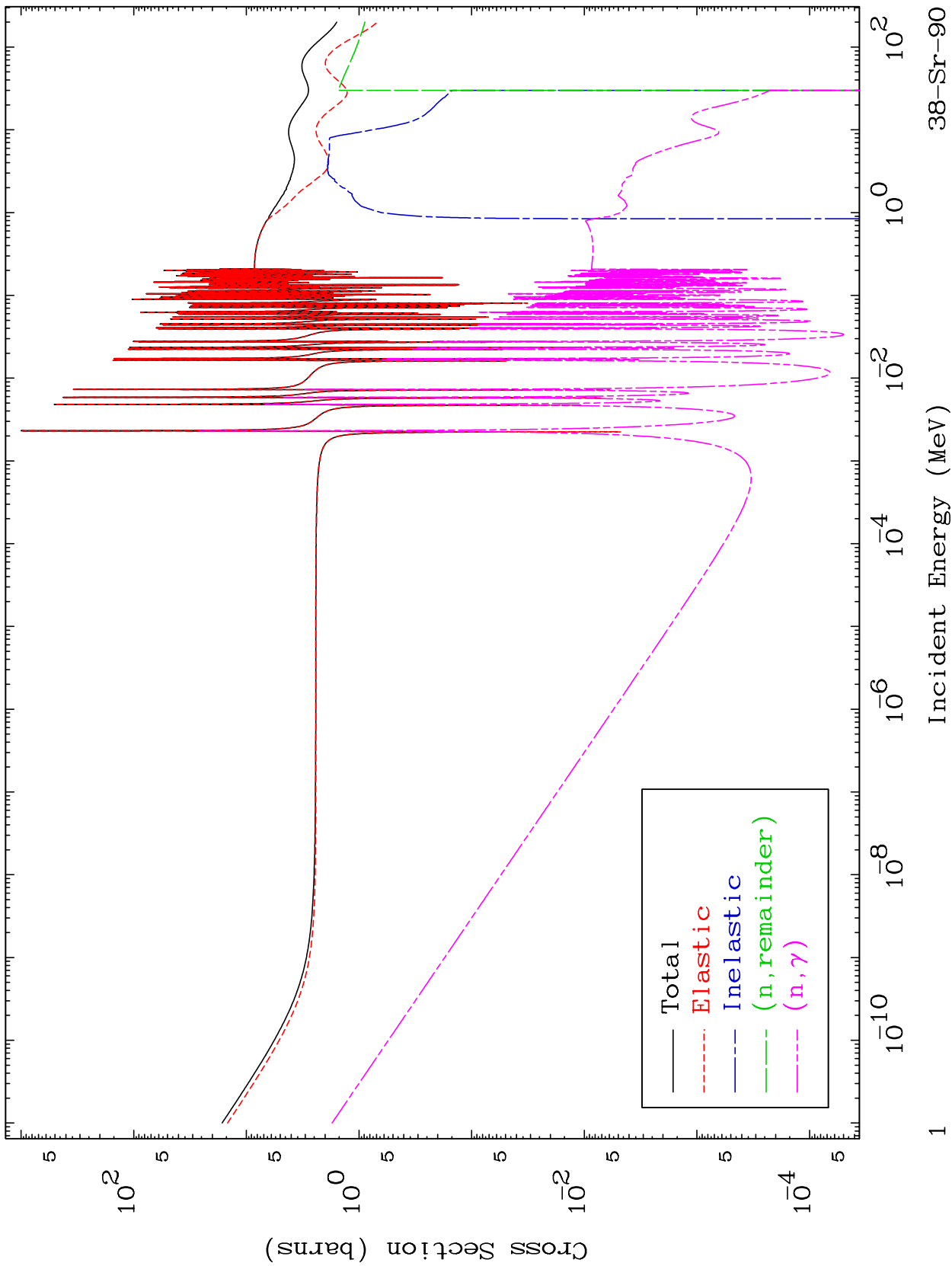
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 3843

Major  
293 Kelvin Cross Sections

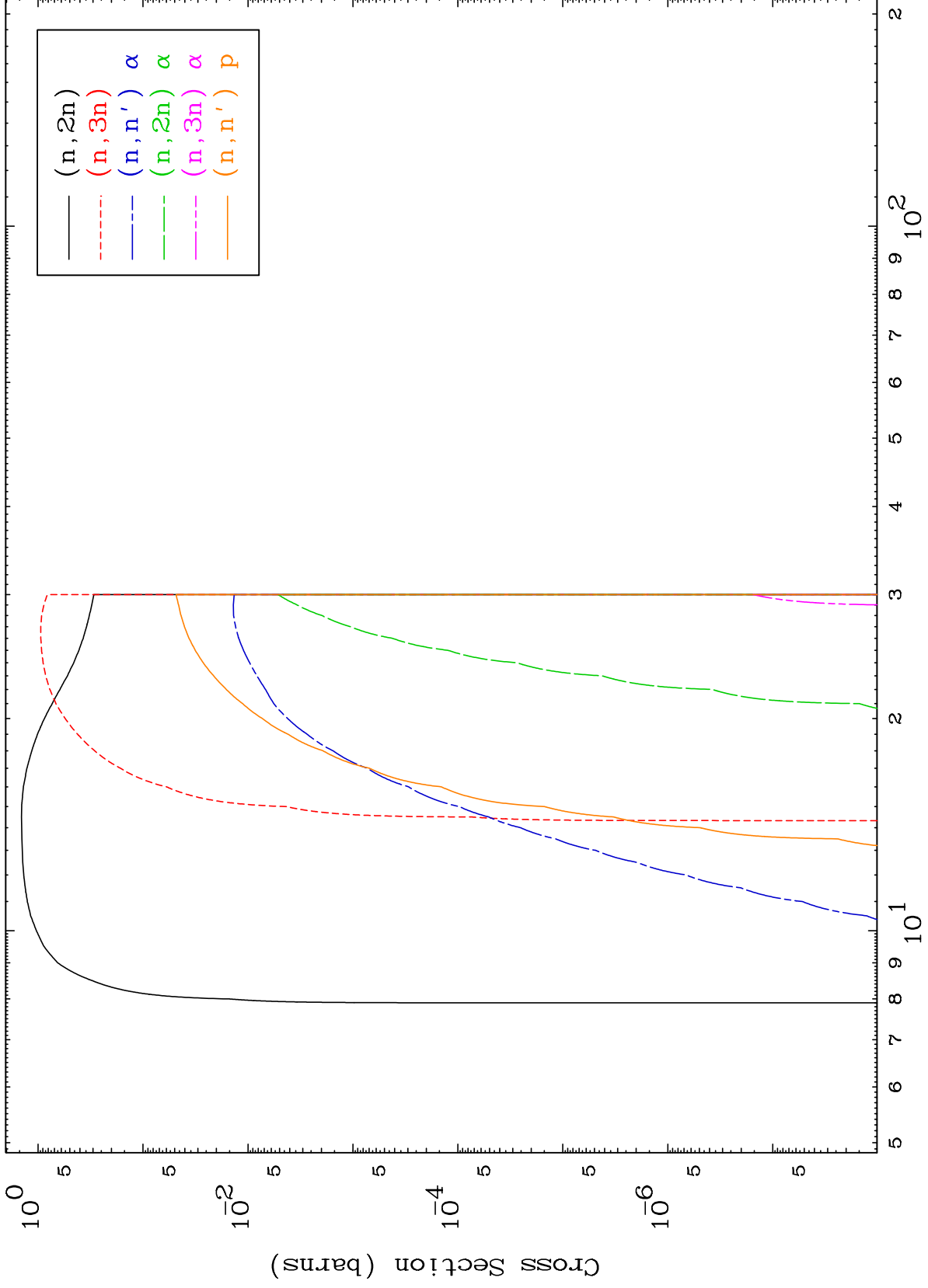
38-Sr-90



MAT 3843

Neutron Production  
293 Kelvin Cross Sections

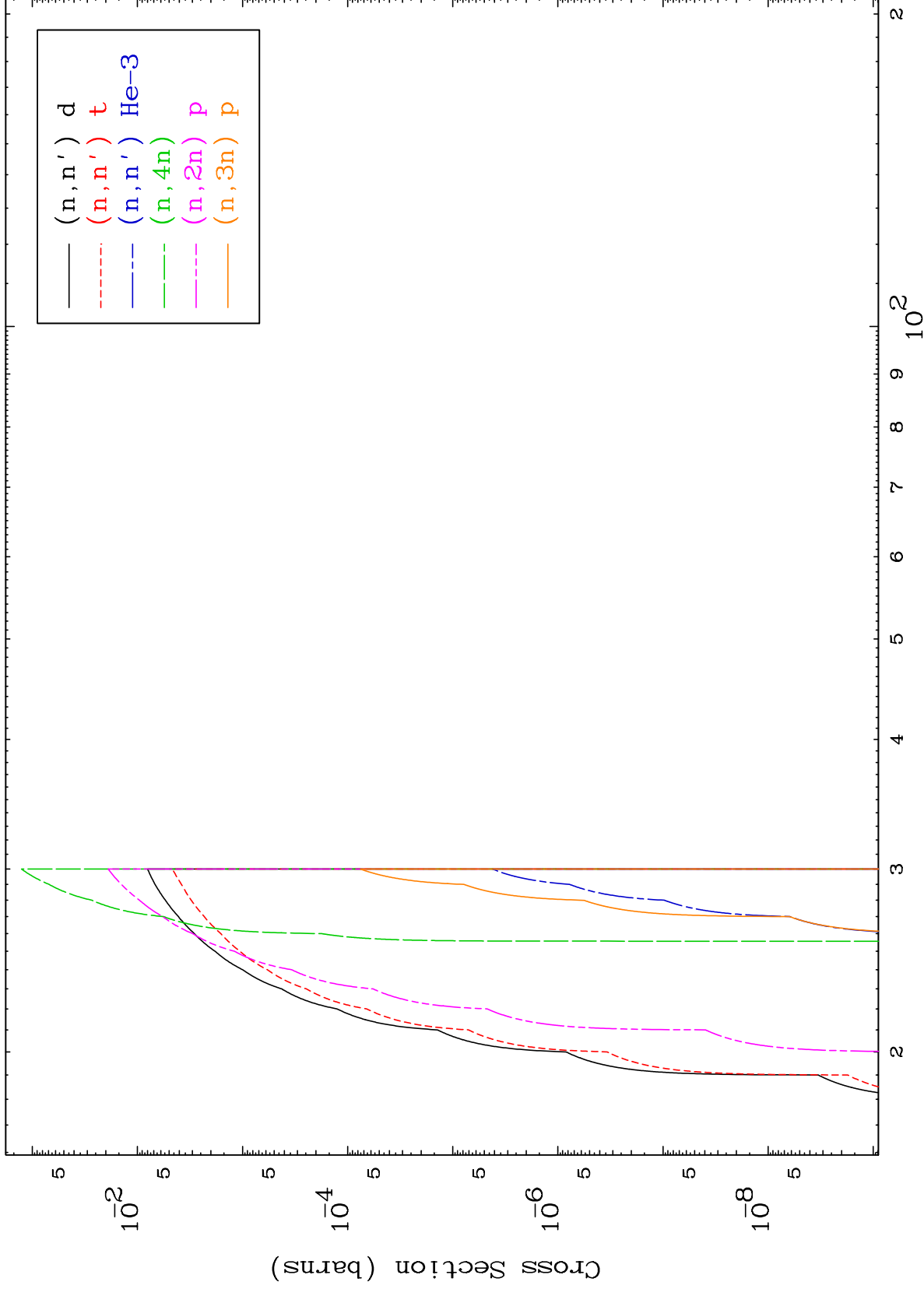
38-Sr-90



2

Incident Energy (MeV)

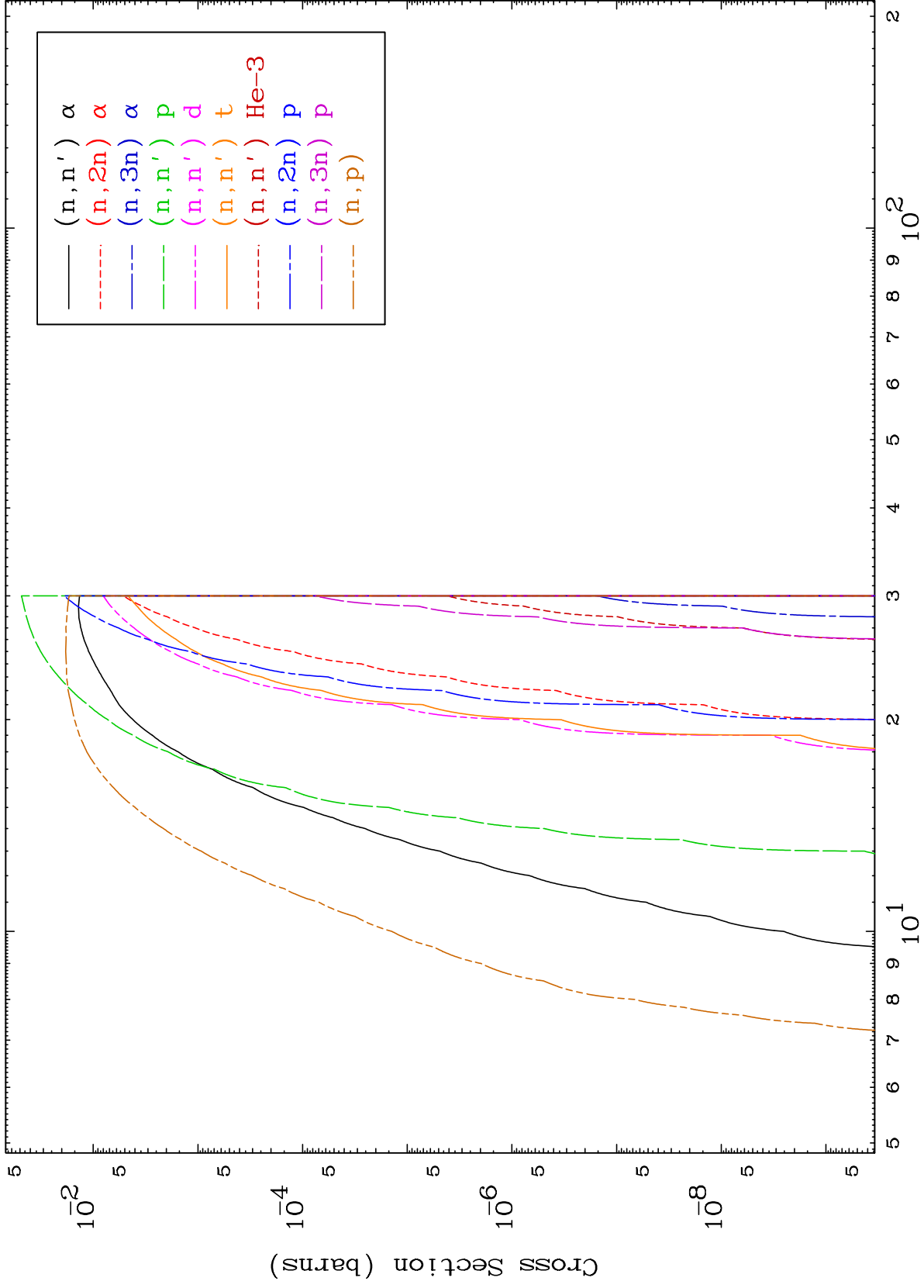
38-Sr-90



MAT 3843

Charged Particle  
293 Kelvin Cross Sections

38-Sr-90



4

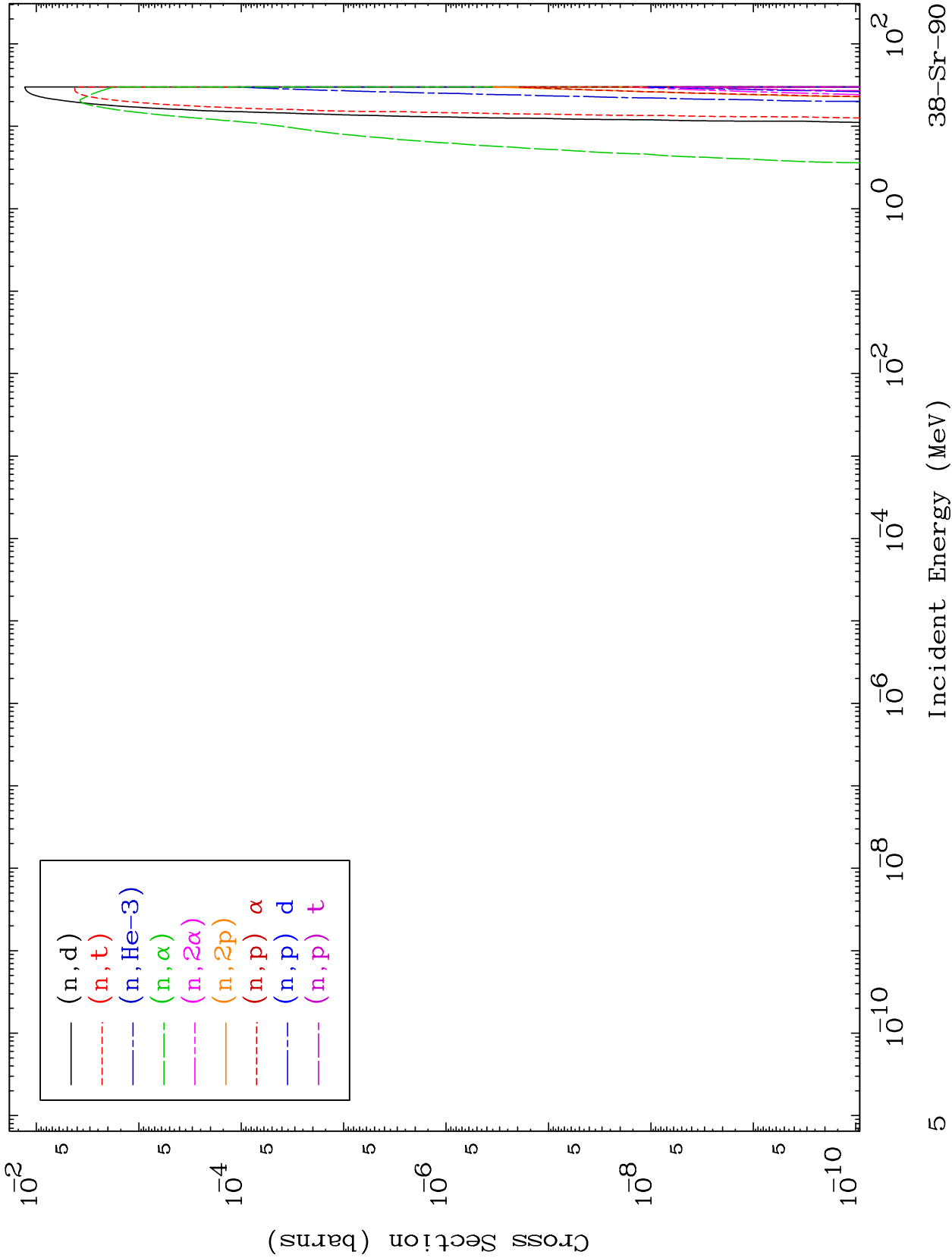
Incident Energy (MeV)

38-Sr-90

MAT 3843

Charged Particle  
293 Kelvin Cross Sections

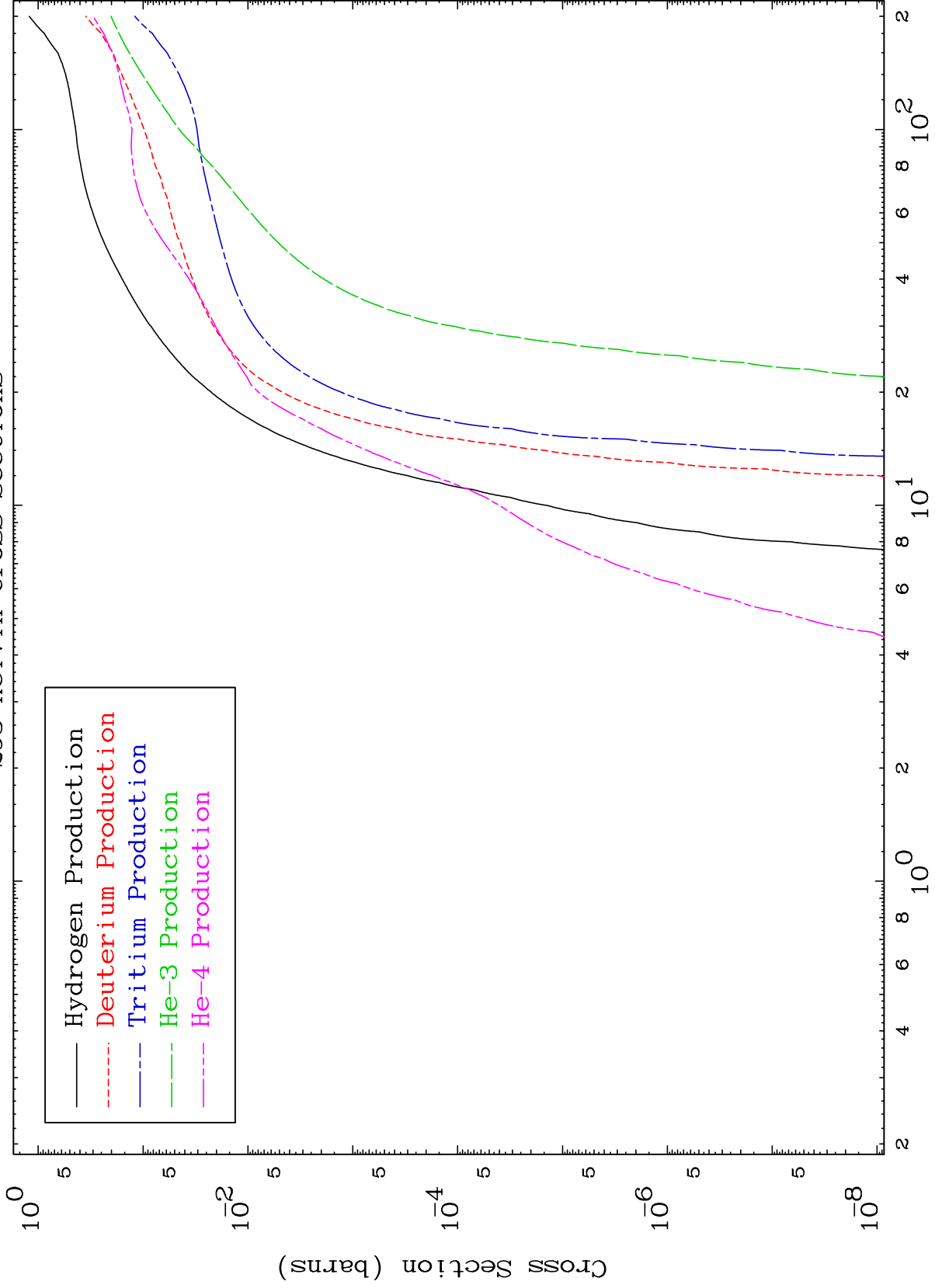
38-Sr-90



MAT 3843

Particle Production  
293 Kelvin Cross Sections

38-Sr-90



6

Incident Energy (MeV)

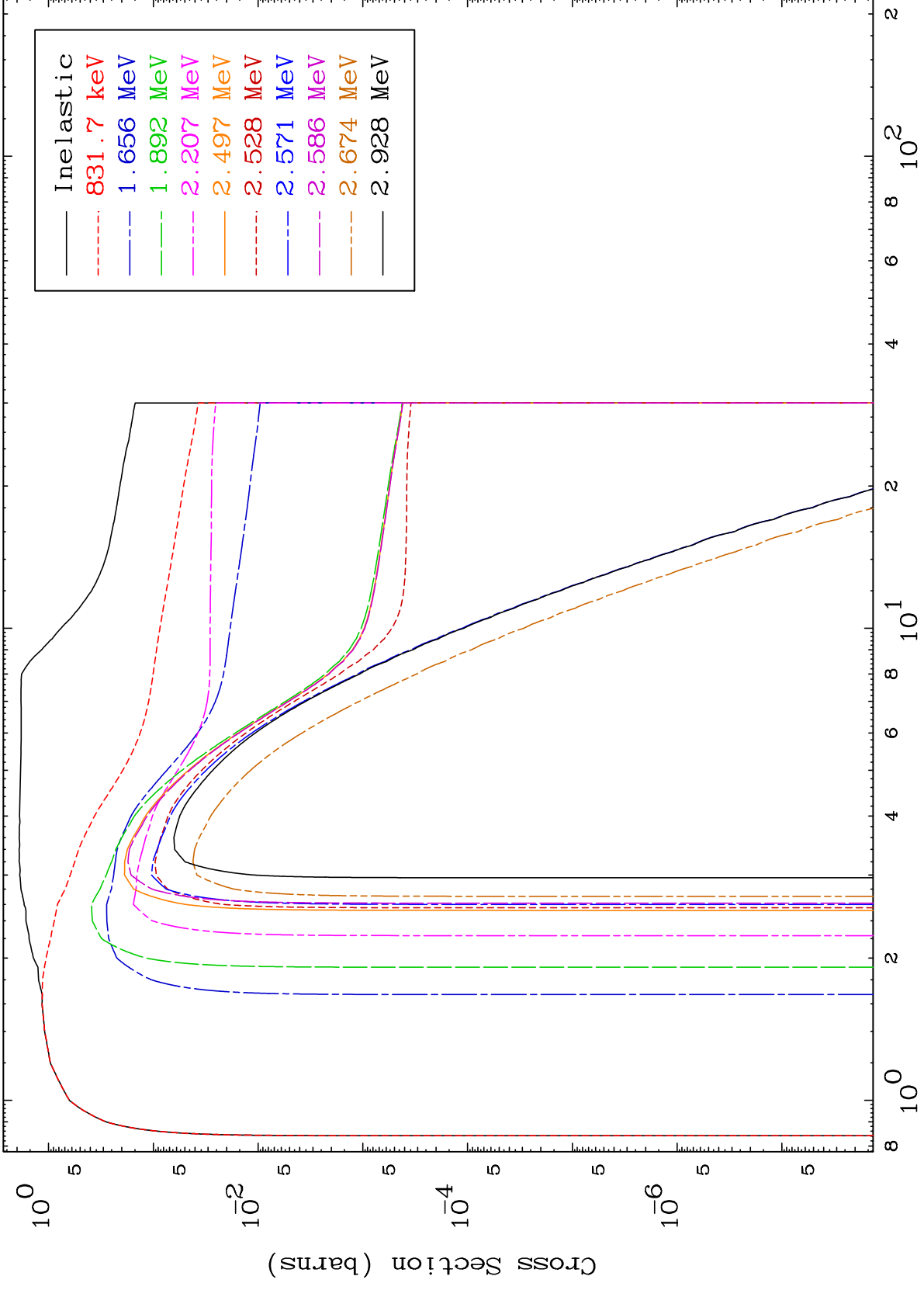
38-Sr-90

MAT 3843

(n,n') Level

38-Sr-90

293 Kelvin Cross Sections



Incident Energy (MeV)

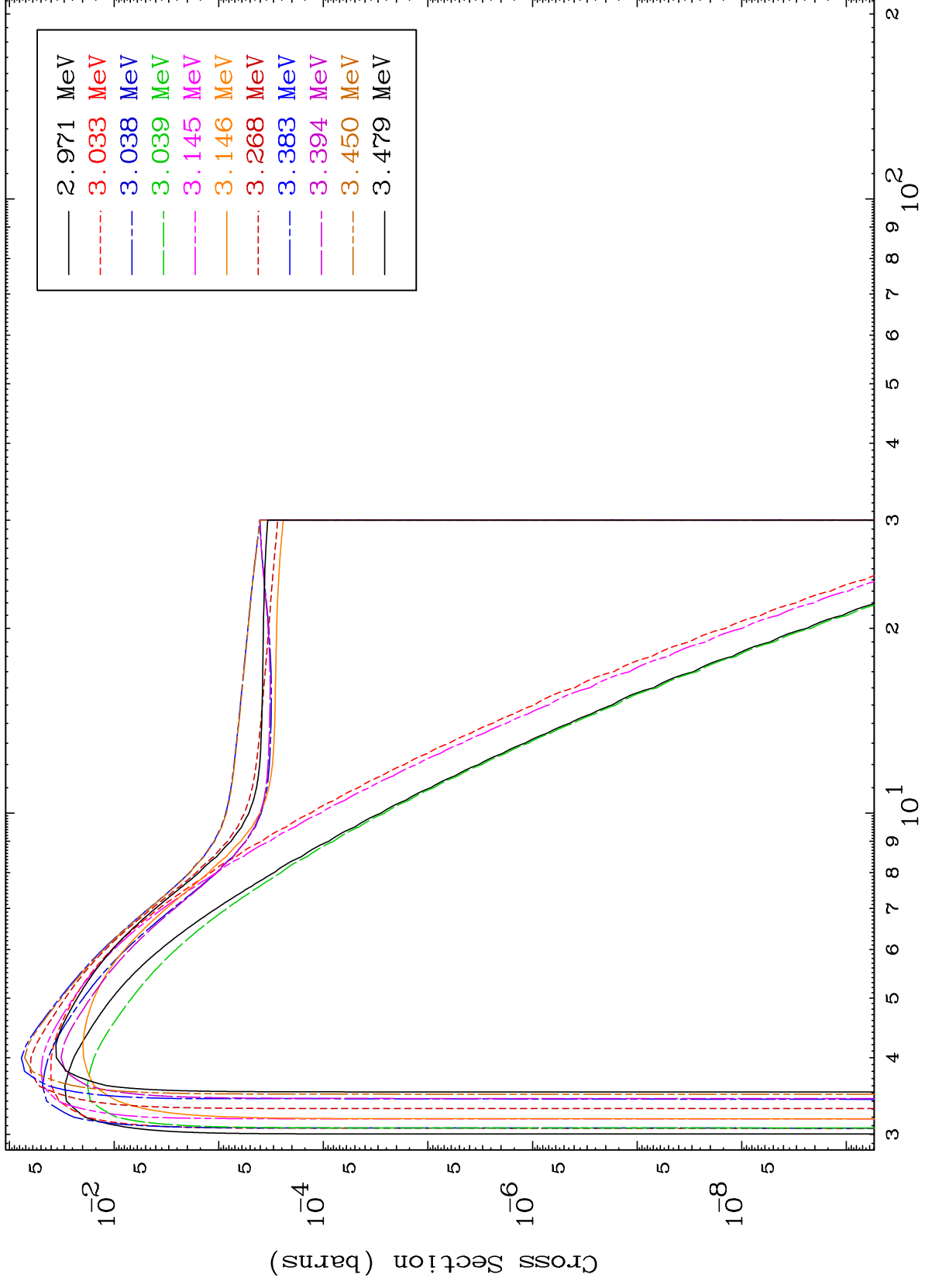
38-Sr-90



MAT 3843

(n,n') Level  
293 Kelvin Cross Sections

38-Sr-90



8

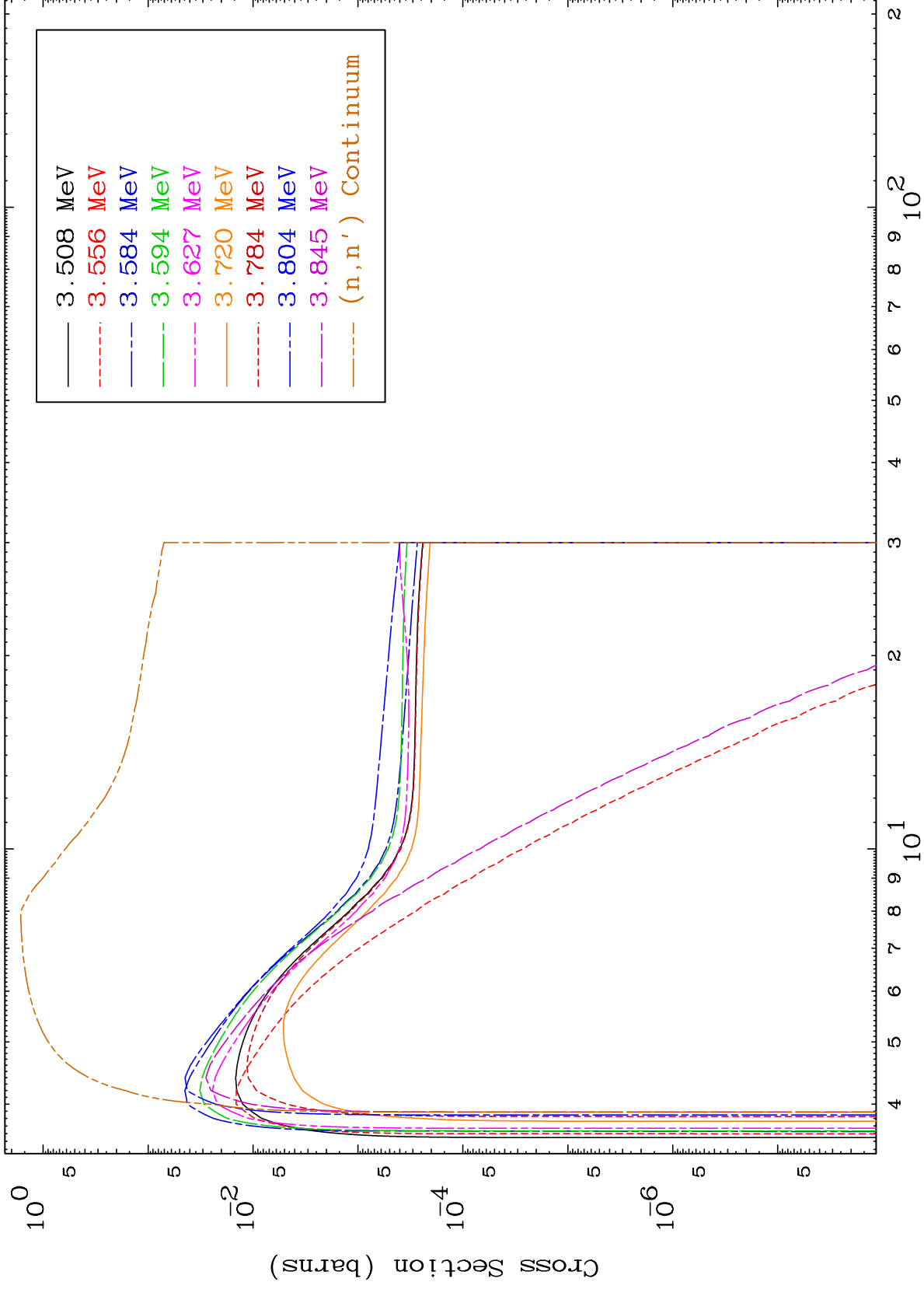
Incident Energy (MeV)

38-Sr-90

MAT 3843

(n,n') Level  
293 Kelvin Cross Sections

38-Sr-90



9

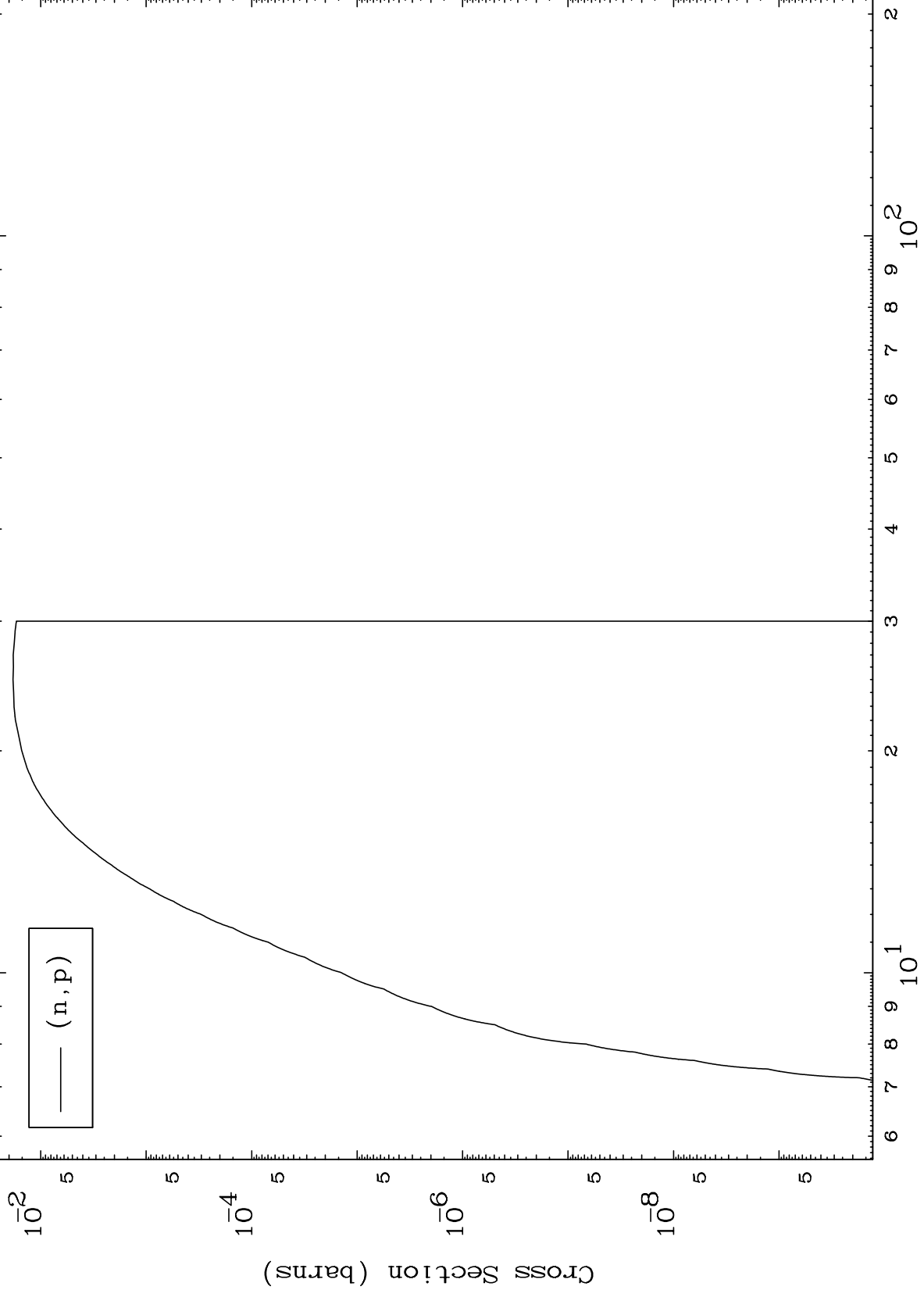
Incident Energy (MeV)

38-Sr-90

MAT 3843

(n,p) Levels  
293 Kelvin Cross Sections

38-Sr-90



(n,p)

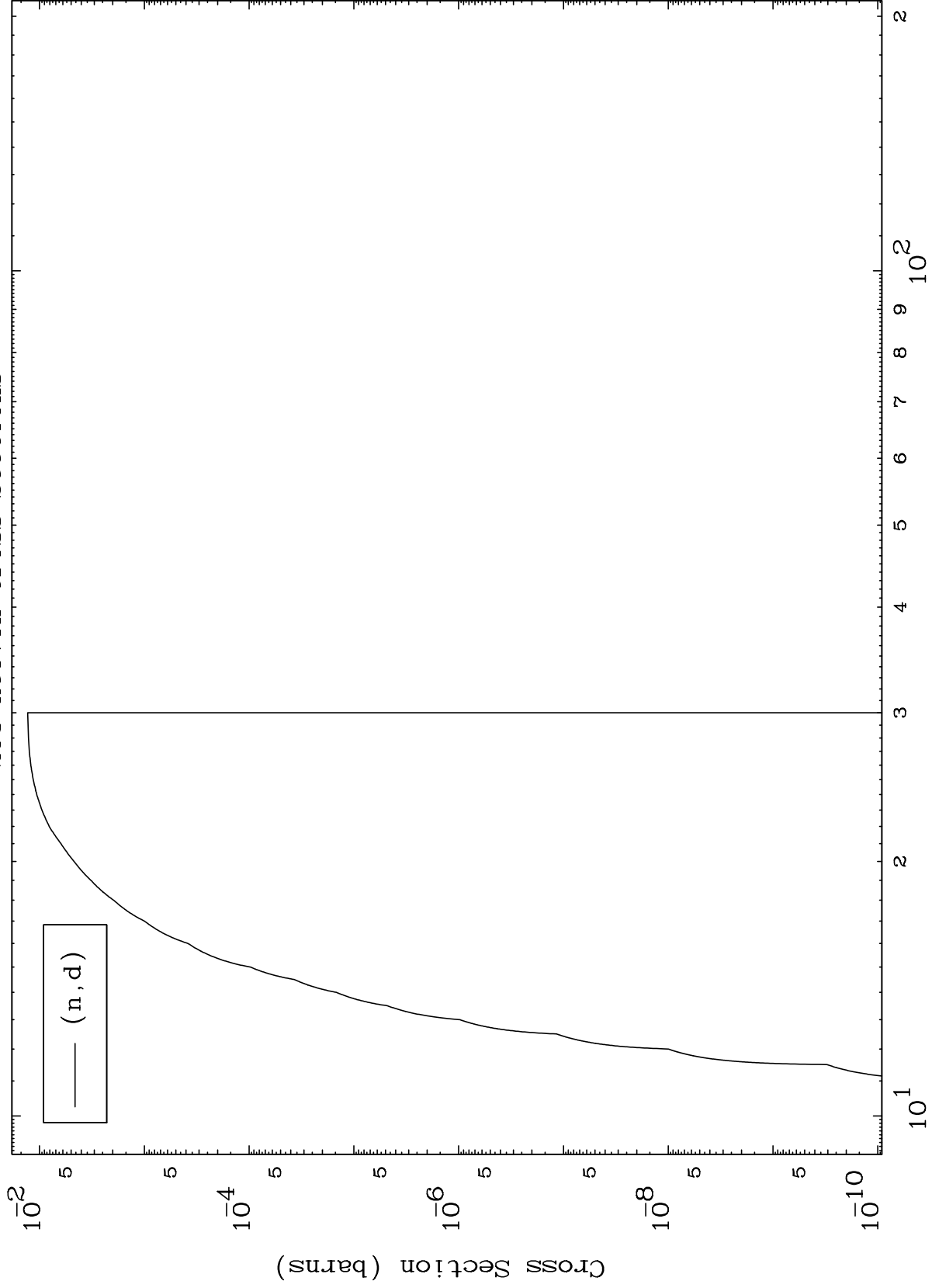
Incident Energy (MeV)

38-Sr-90

MAT 3843

(n,d) Levels  
293 Kelvin Cross Sections

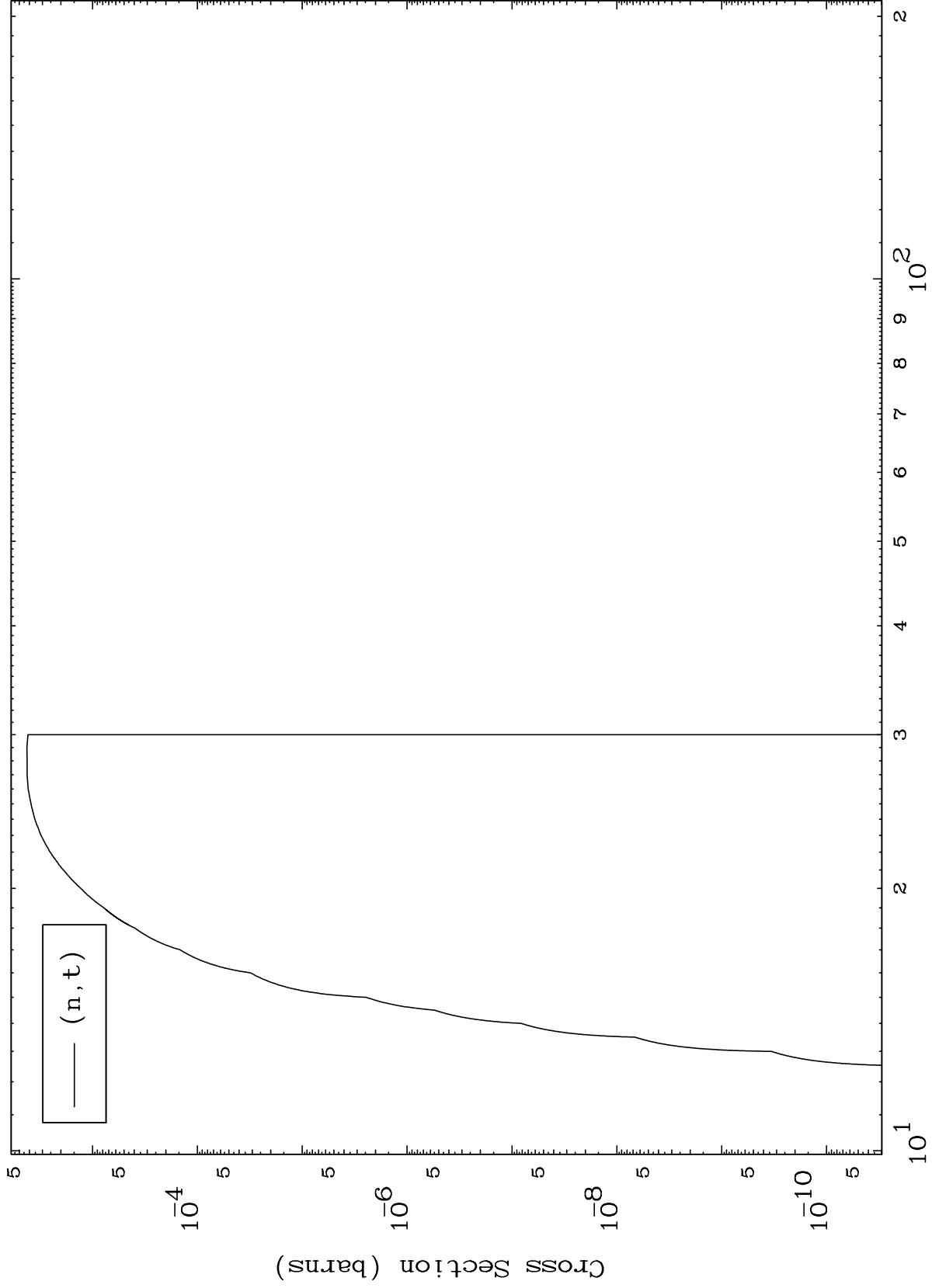
38-Sr-90



MAT 3843

(n,t) Levels  
293 Kelvin Cross Sections

38-Sr-90



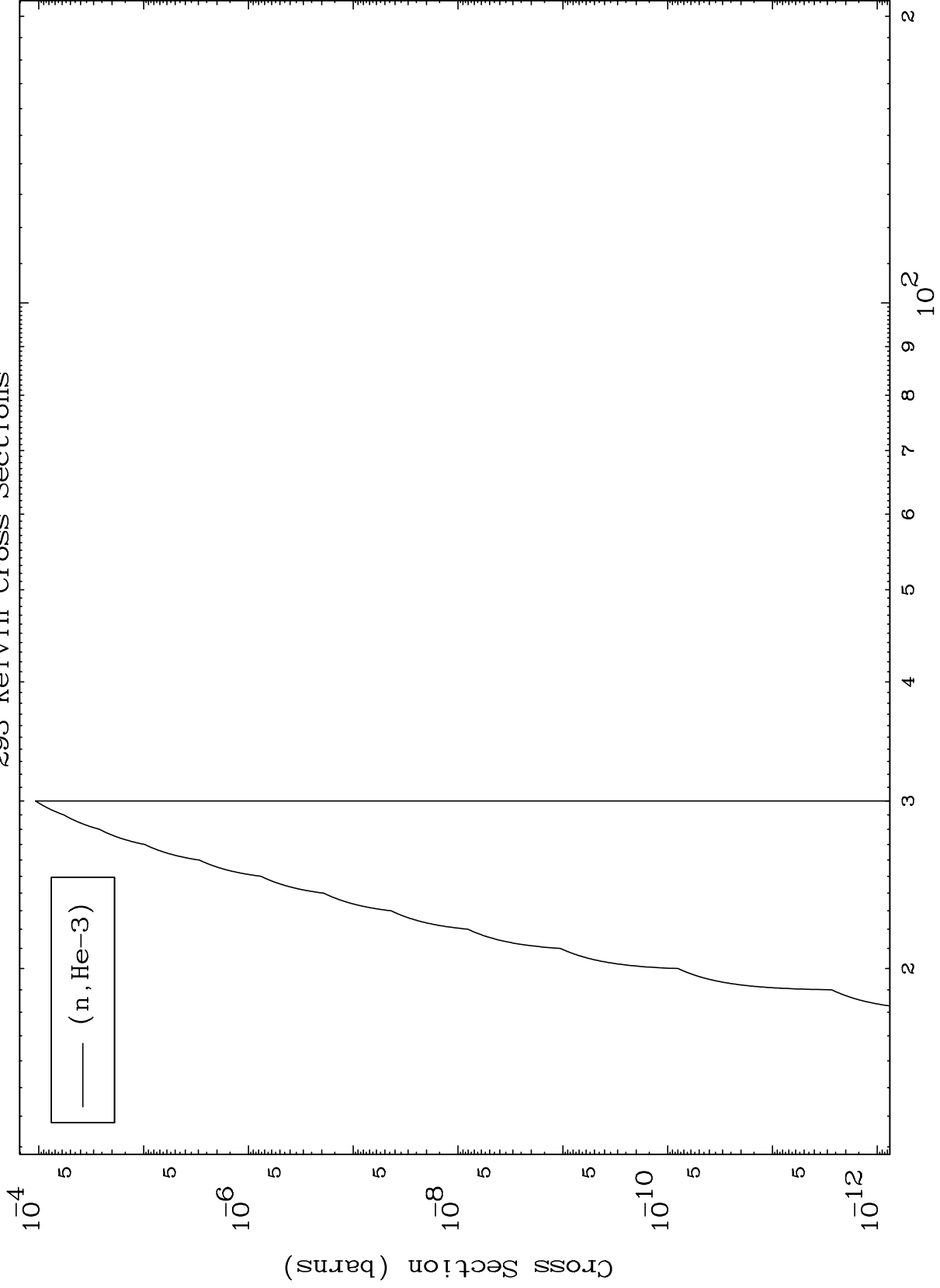
Incident Energy (MeV)

38-Sr-90

MAT 3843

(n,He3) Levels  
293 Kelvin Cross Sections

38-Sr-90



13

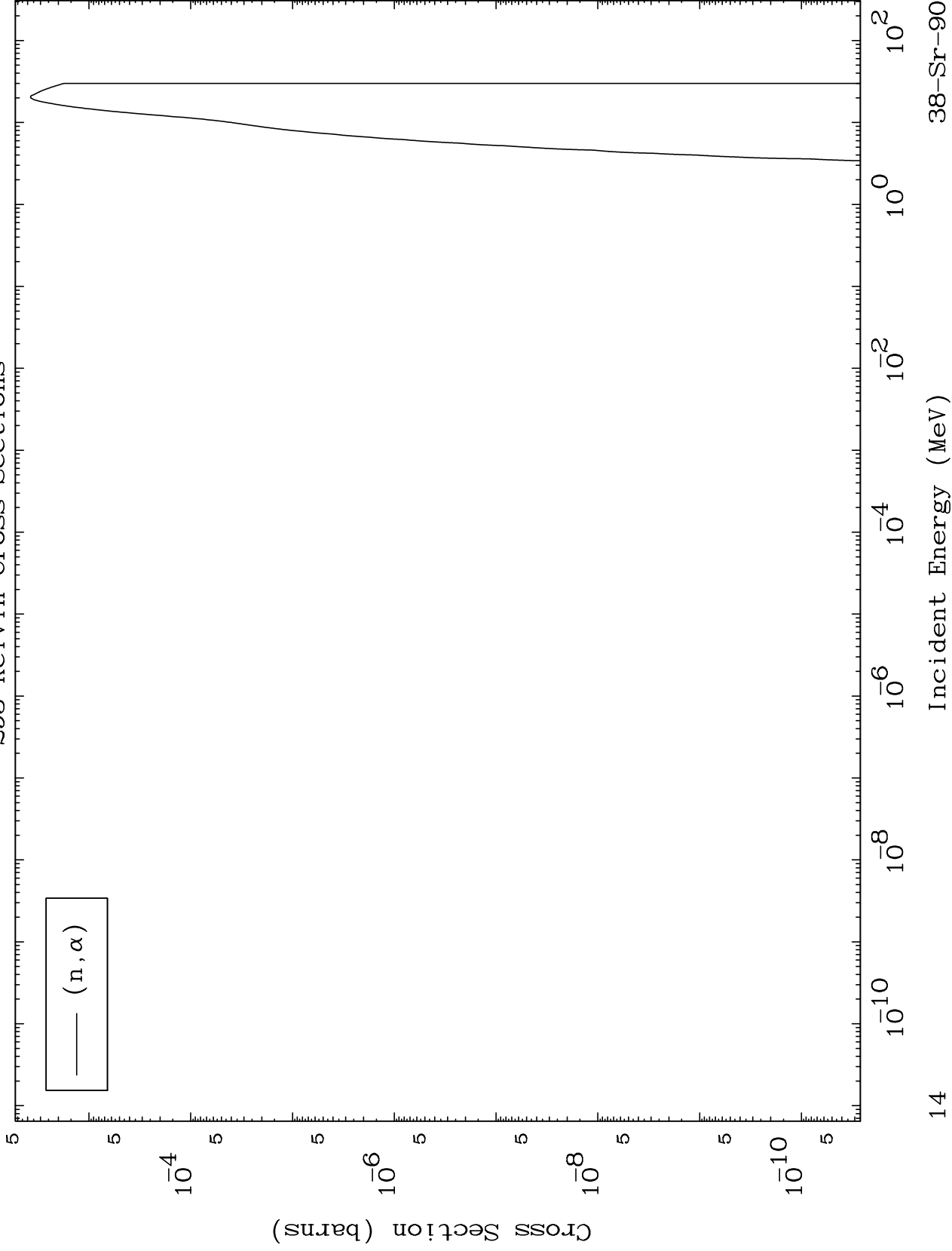
Incident Energy (MeV)

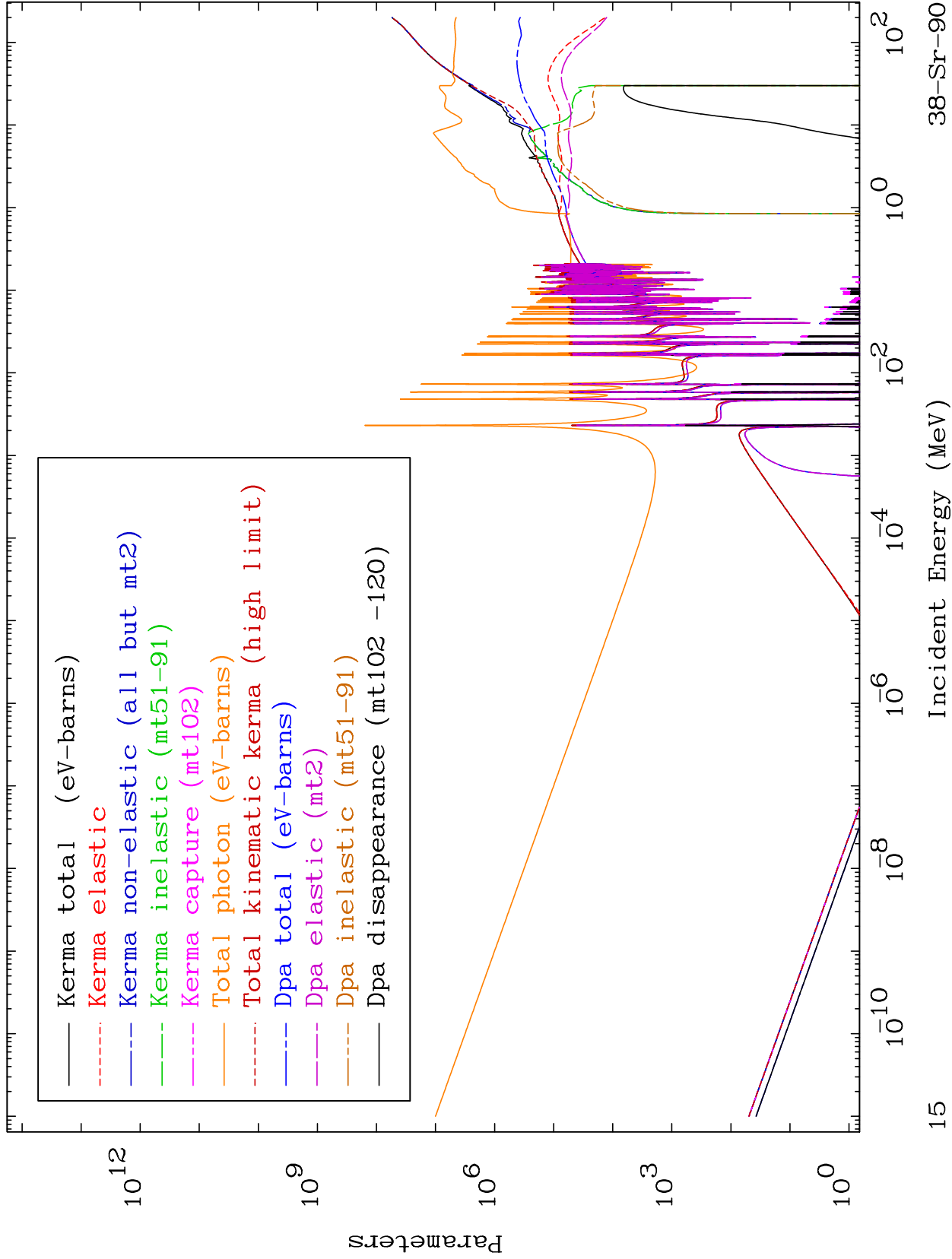
38-Sr-90

MAT 3843

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

38-Sr-90



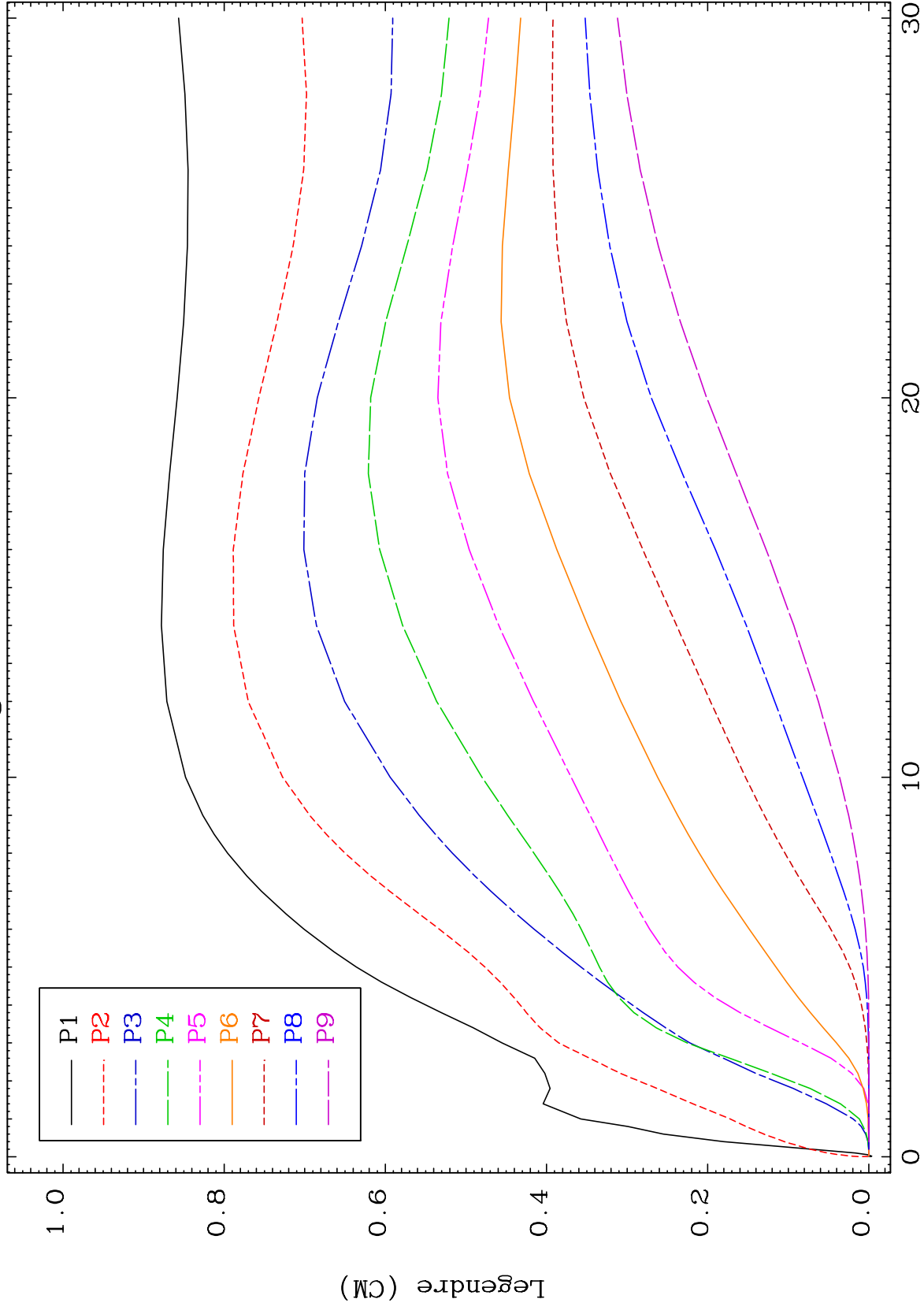




MAT 3843

Elastic Legendre Coefficients

38-Sr-90



16

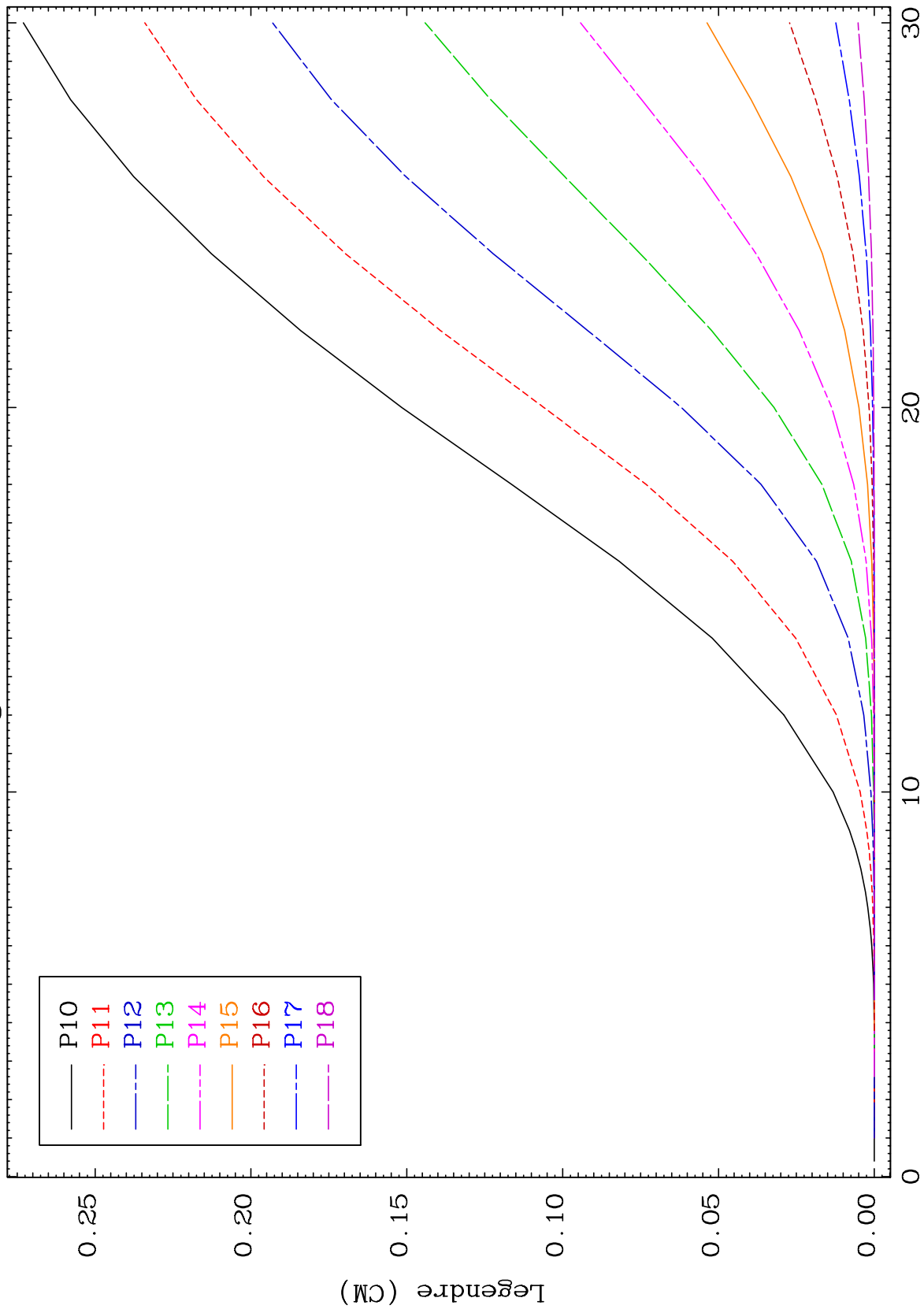
Incident Energy (MeV)

38-Sr-90

MAT 3843

Elastic Legendre Coefficients

38-Sr-90



17

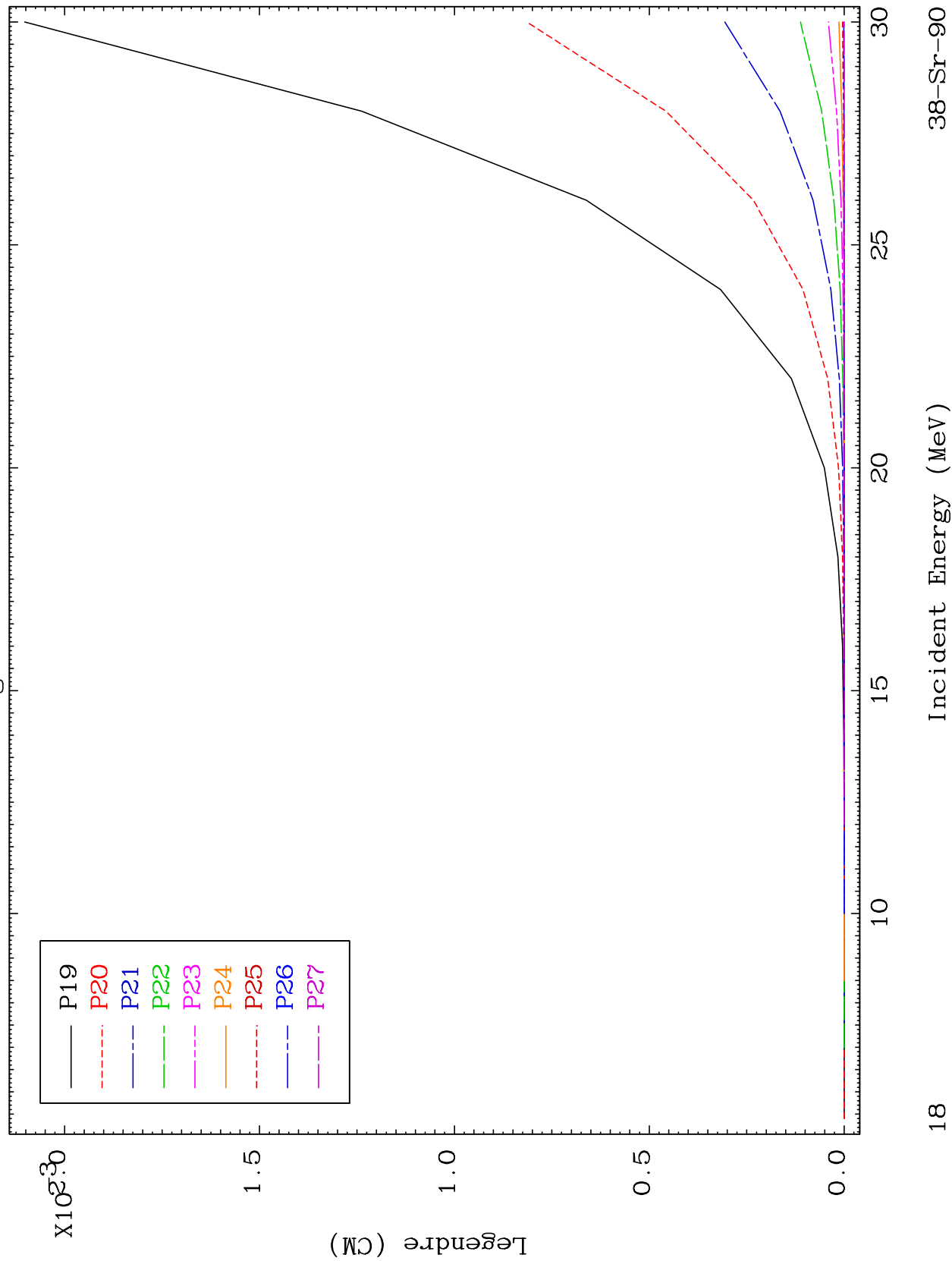
Incident Energy (MeV)

38-Sr-90

MAT 3843

Elastic Legendre Coefficients

38-Sr-90



18

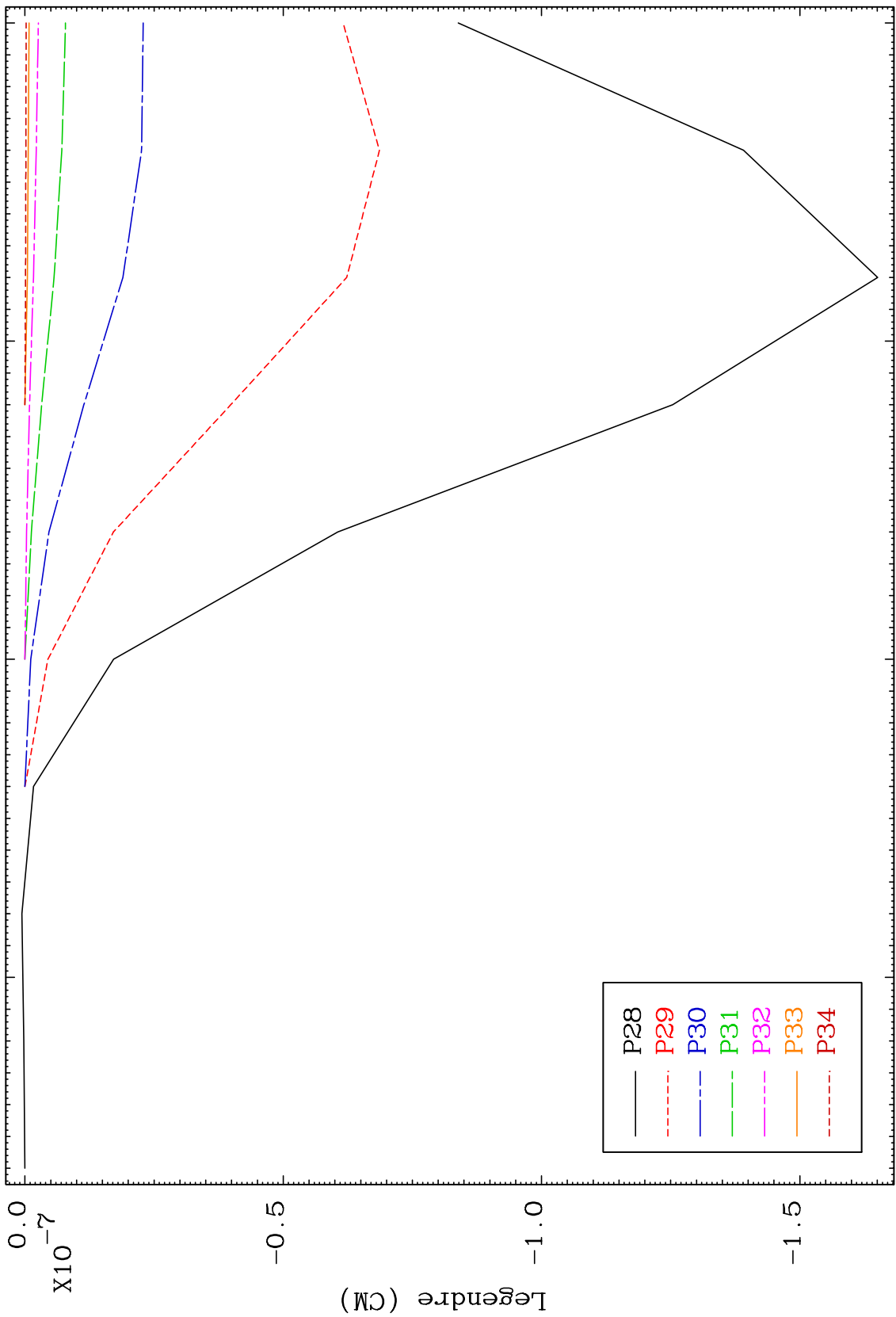
Incident Energy (MeV)

38-Sr-90

MAT 3843

38-Sr-90

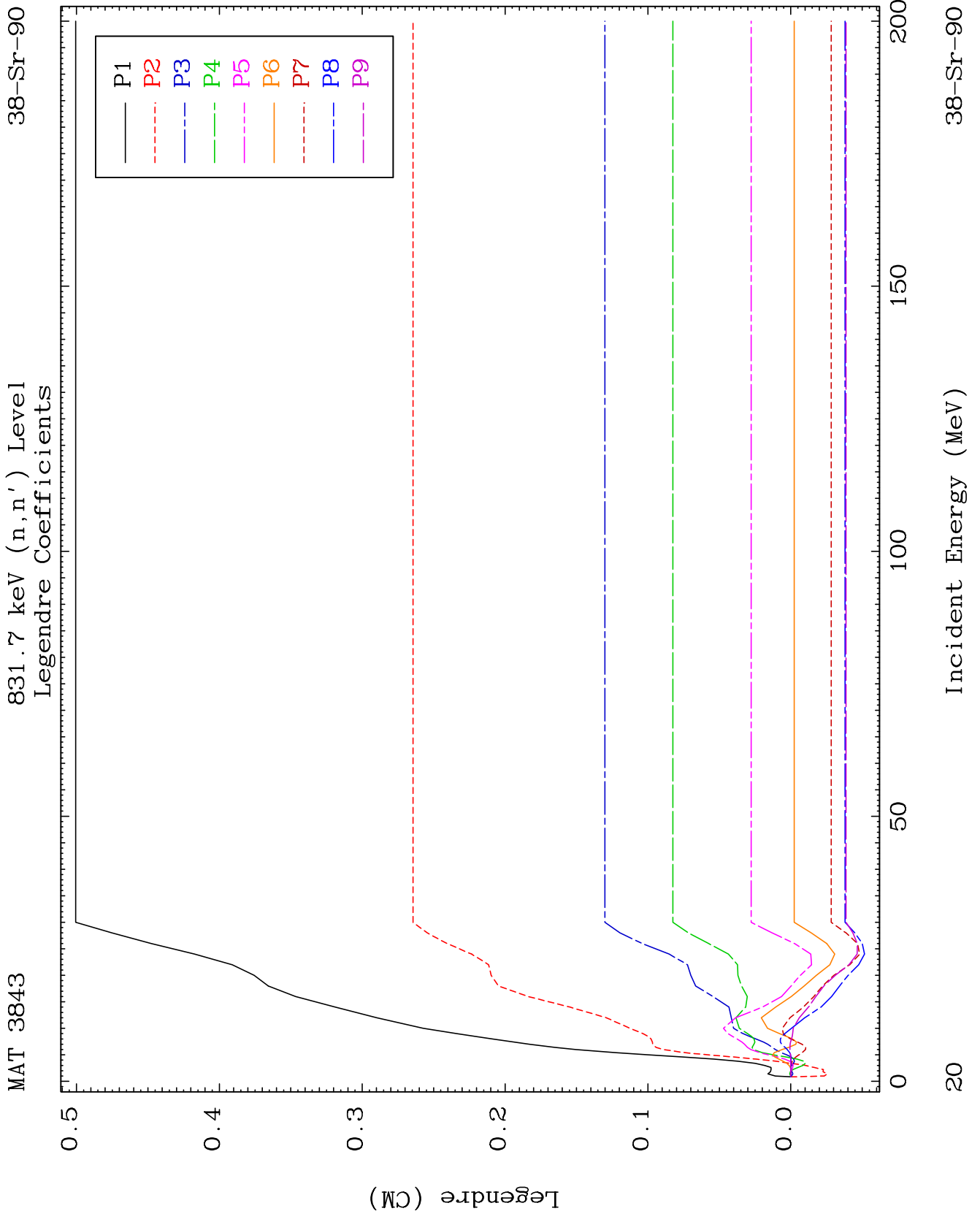
Elastic Legendre Coefficients



19

Incident Energy (MeV)

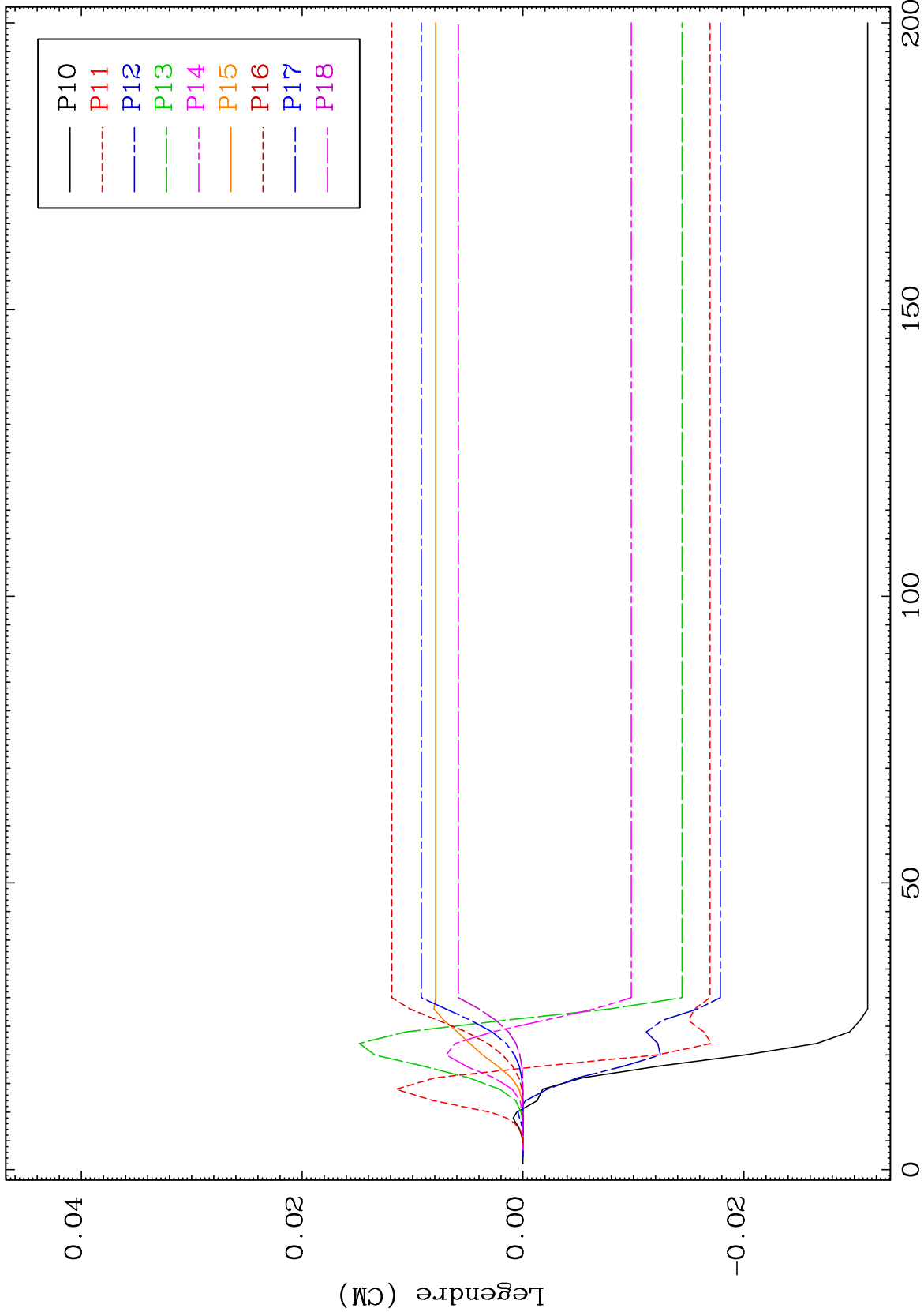
38-Sr-90



MAT 3843

831.7 keV (n,n') Level  
Legendre Coefficients

38-Sr-90



21

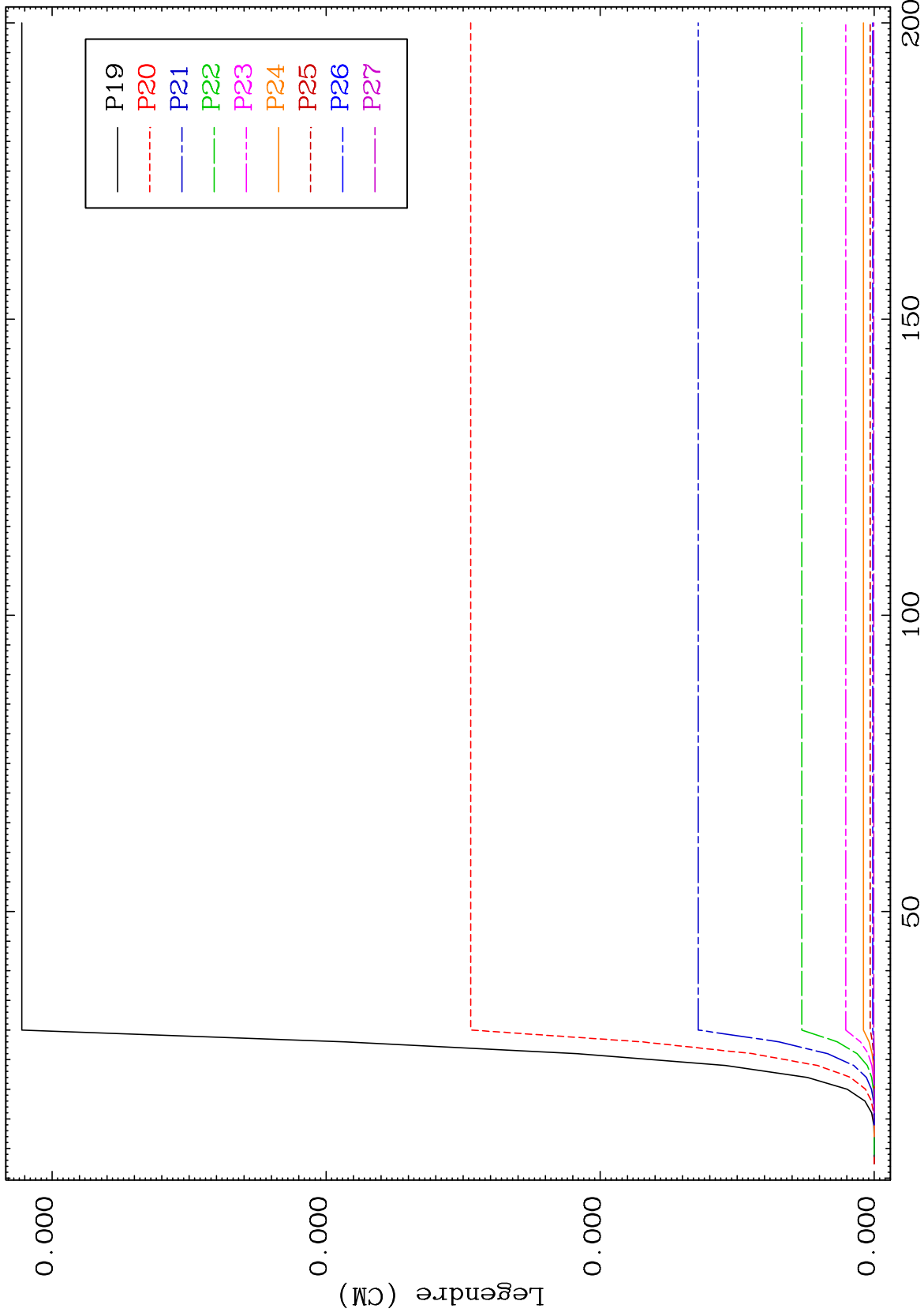
Incident Energy (MeV)

38-Sr-90

MAT 3843

831.7 keV (n,n') Level  
Legendre Coefficients

38-Sr-90



22

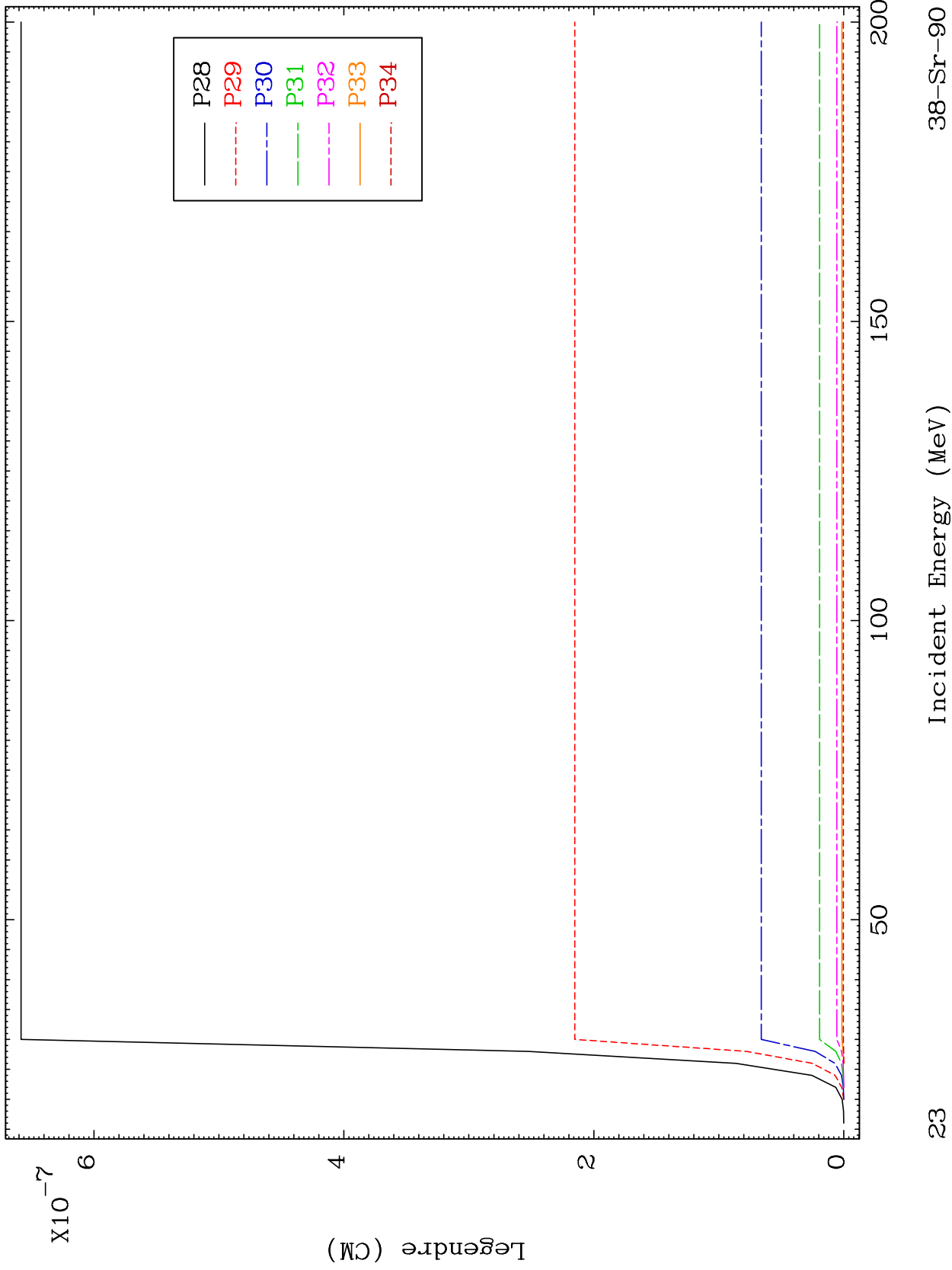
Incident Energy (MeV)

38-Sr-90

MAT 3843

831.7 keV (n,n') Level  
Legendre Coefficients

38-Sr-90



23

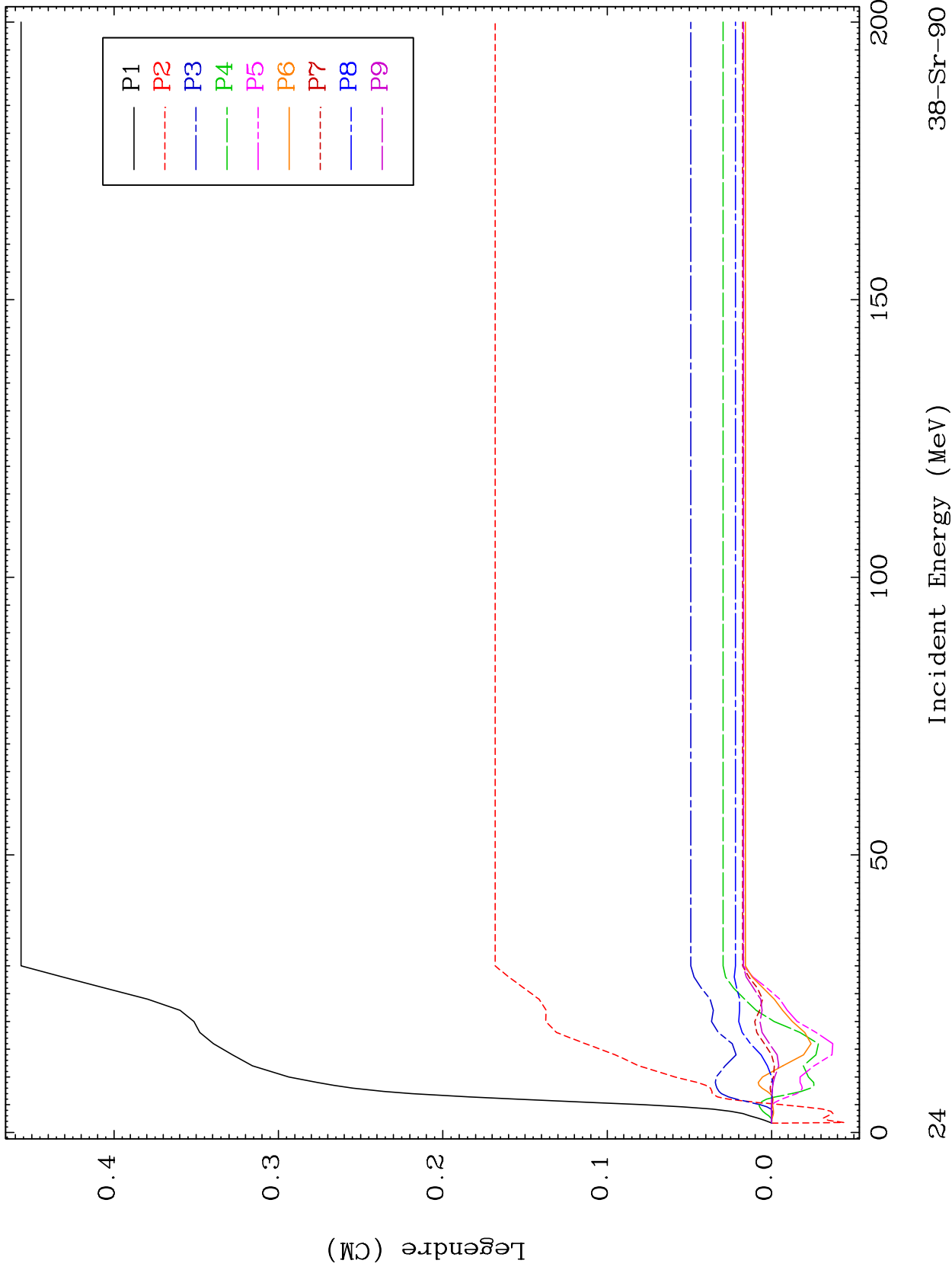
38-Sr-90



MAT 3843

1.656 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



38-Sr-90

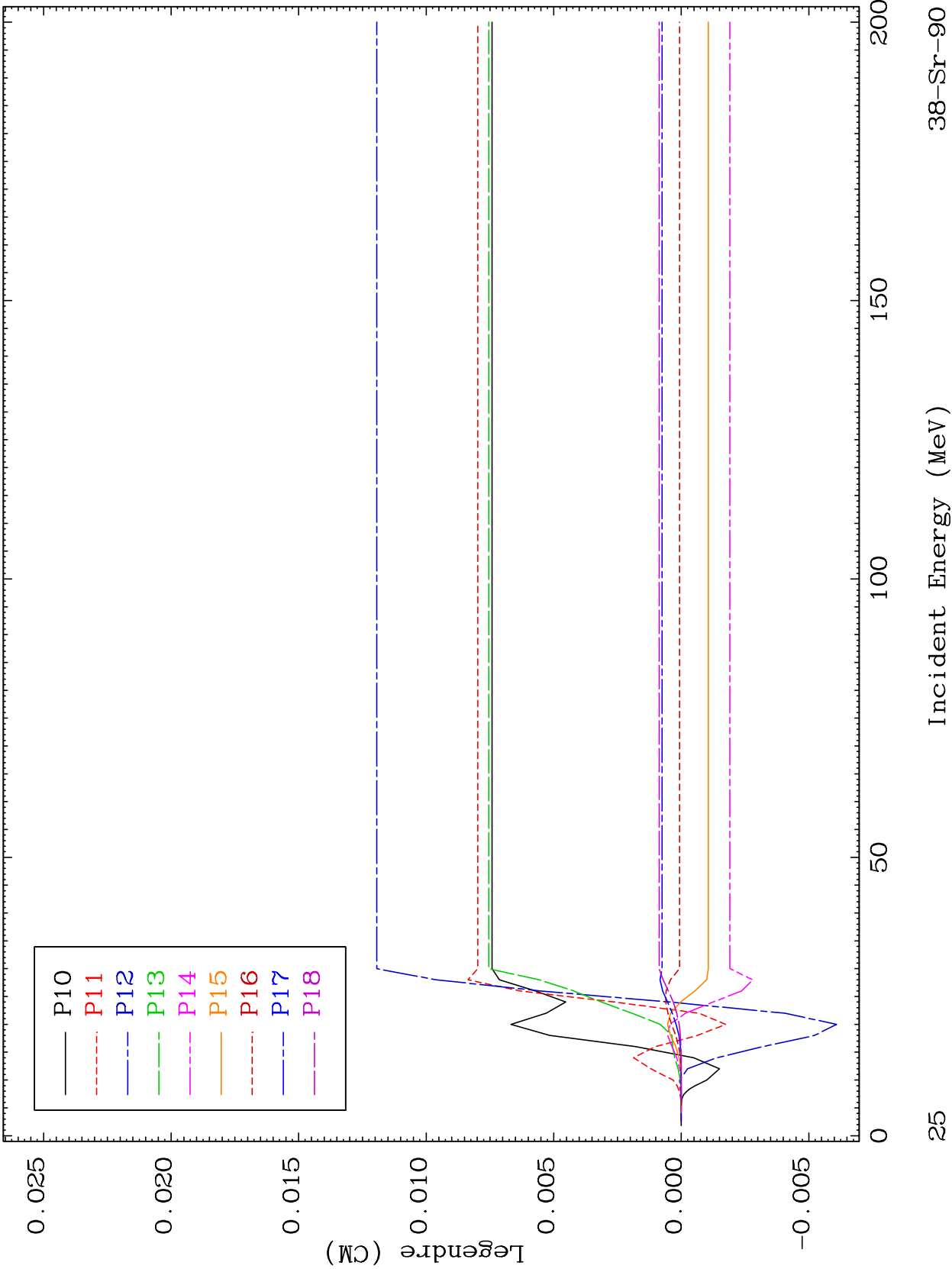
Incident Energy (MeV)

24

MAT 3843

1.656 MeV (n,n') Level  
Legendre Coefficients

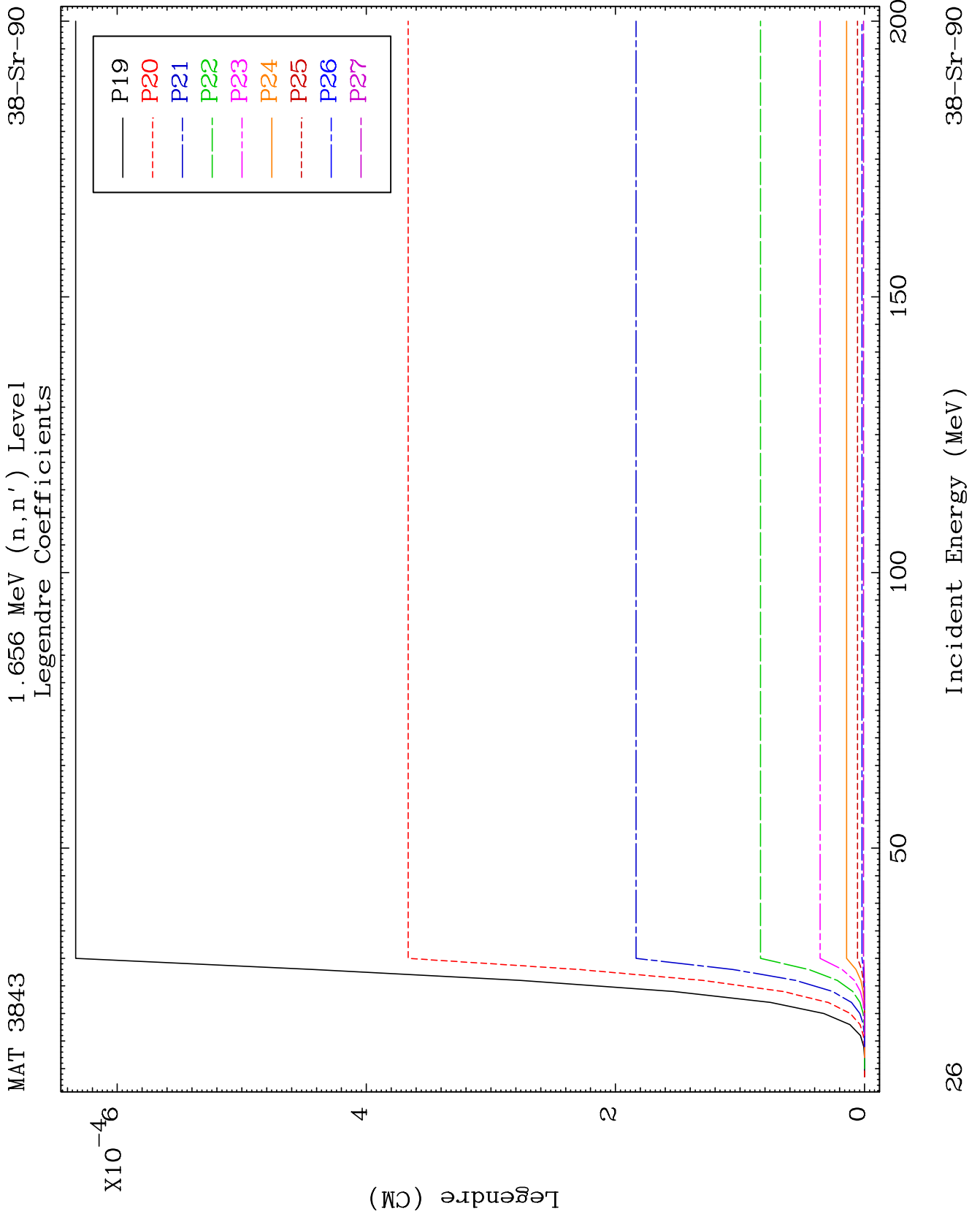
38-Sr-90



38-Sr-90

Incident Energy (MeV)

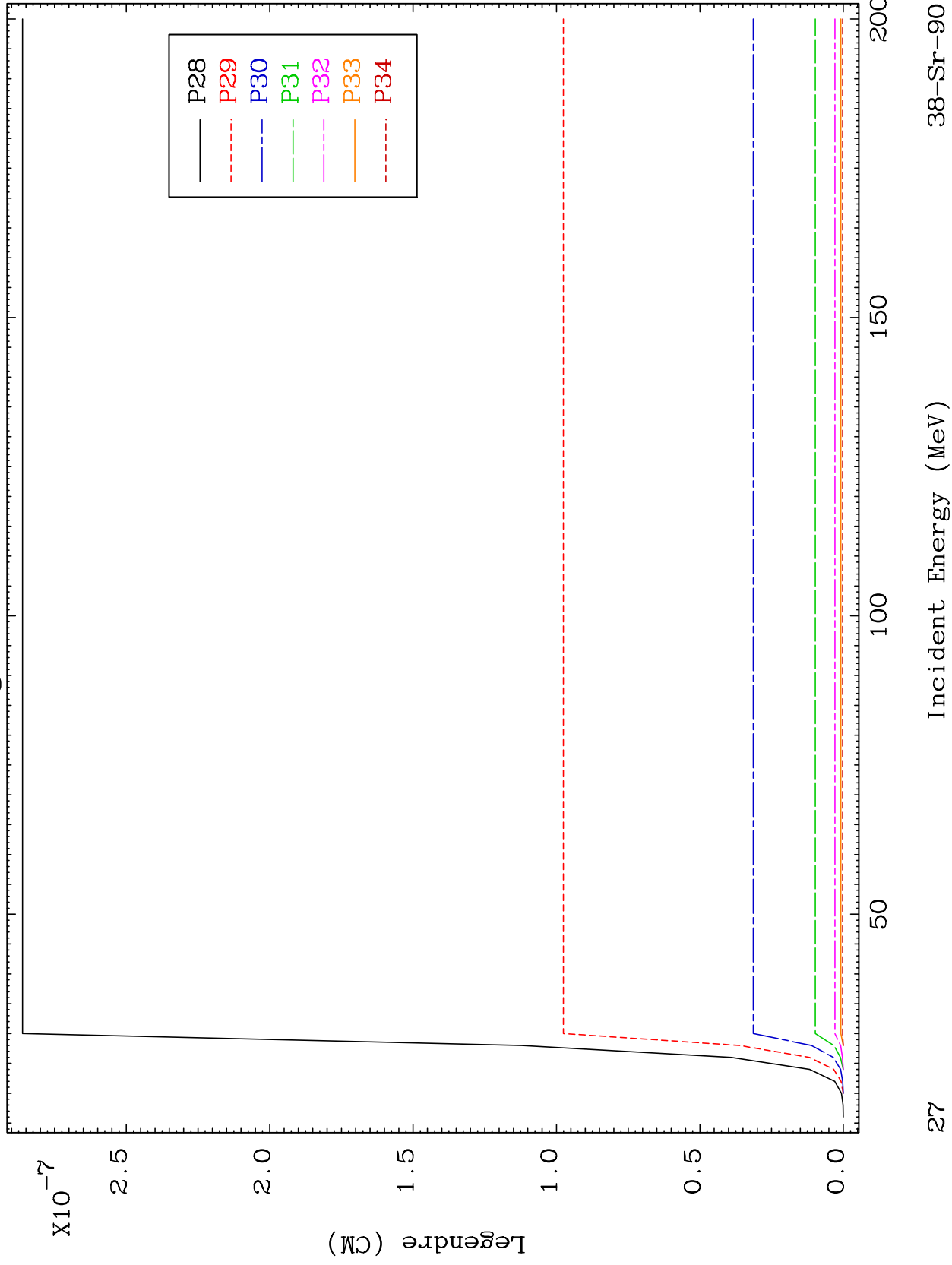
25

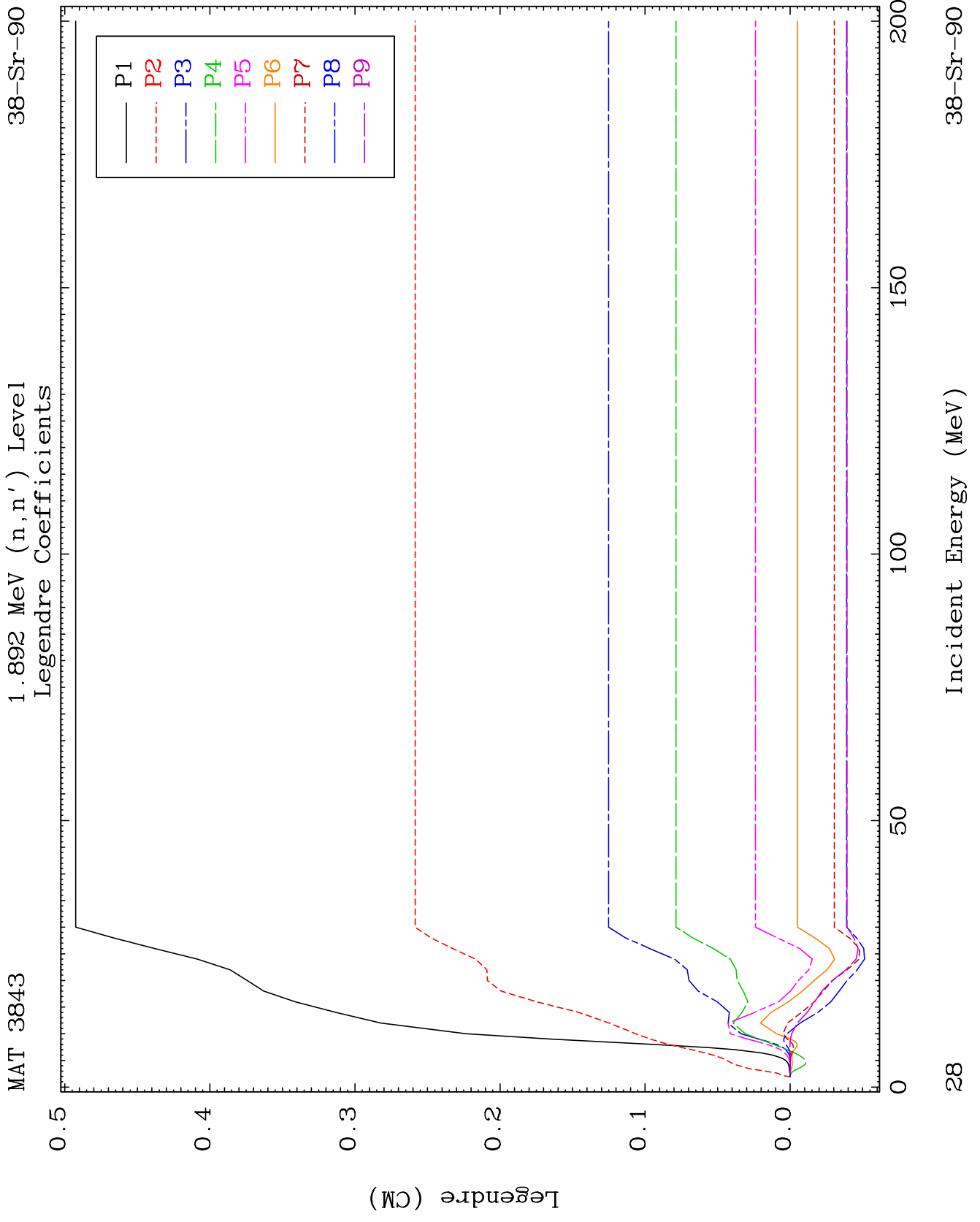


MAT 3843

1.656 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90

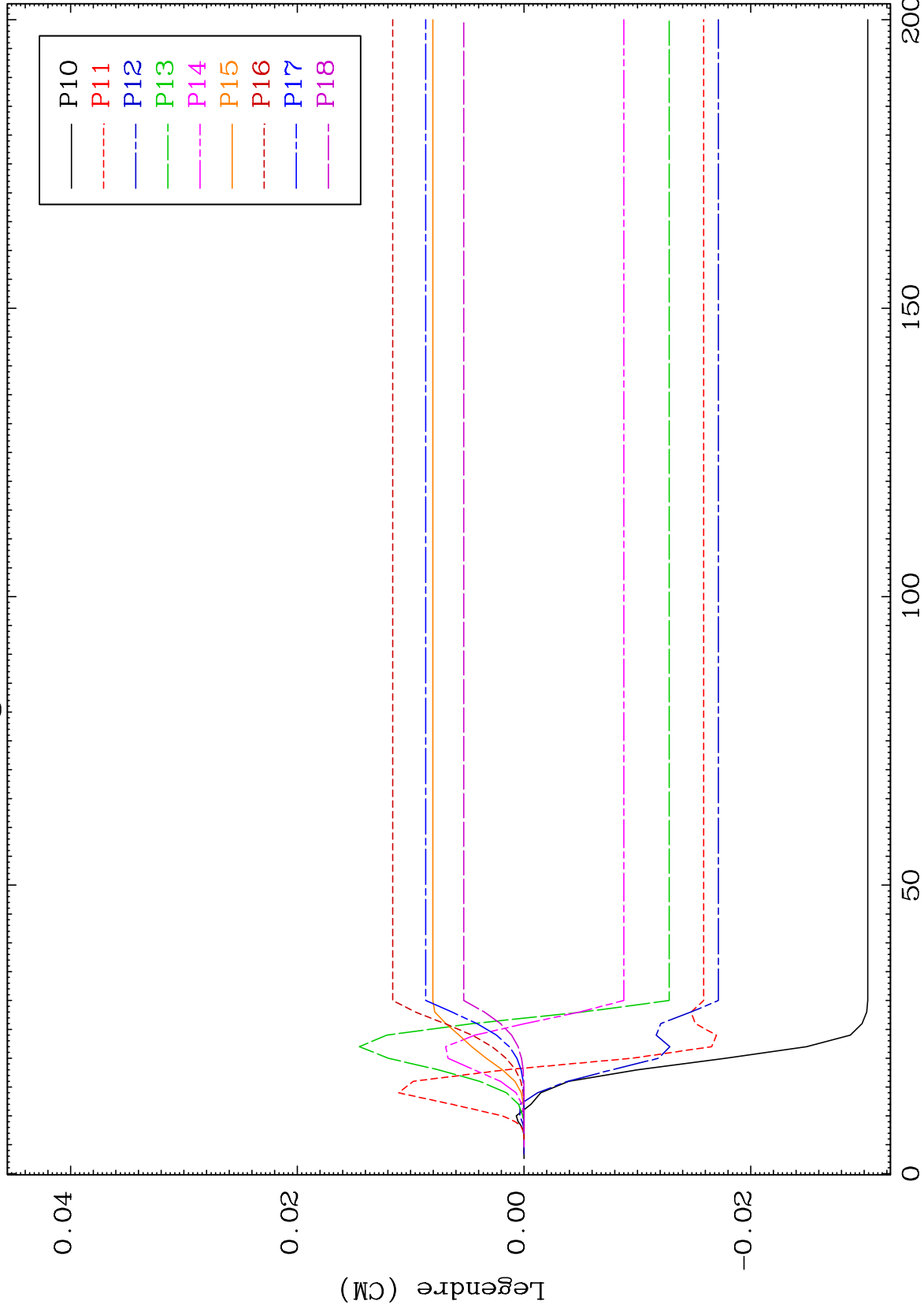




MAT 3843

1.892 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



29

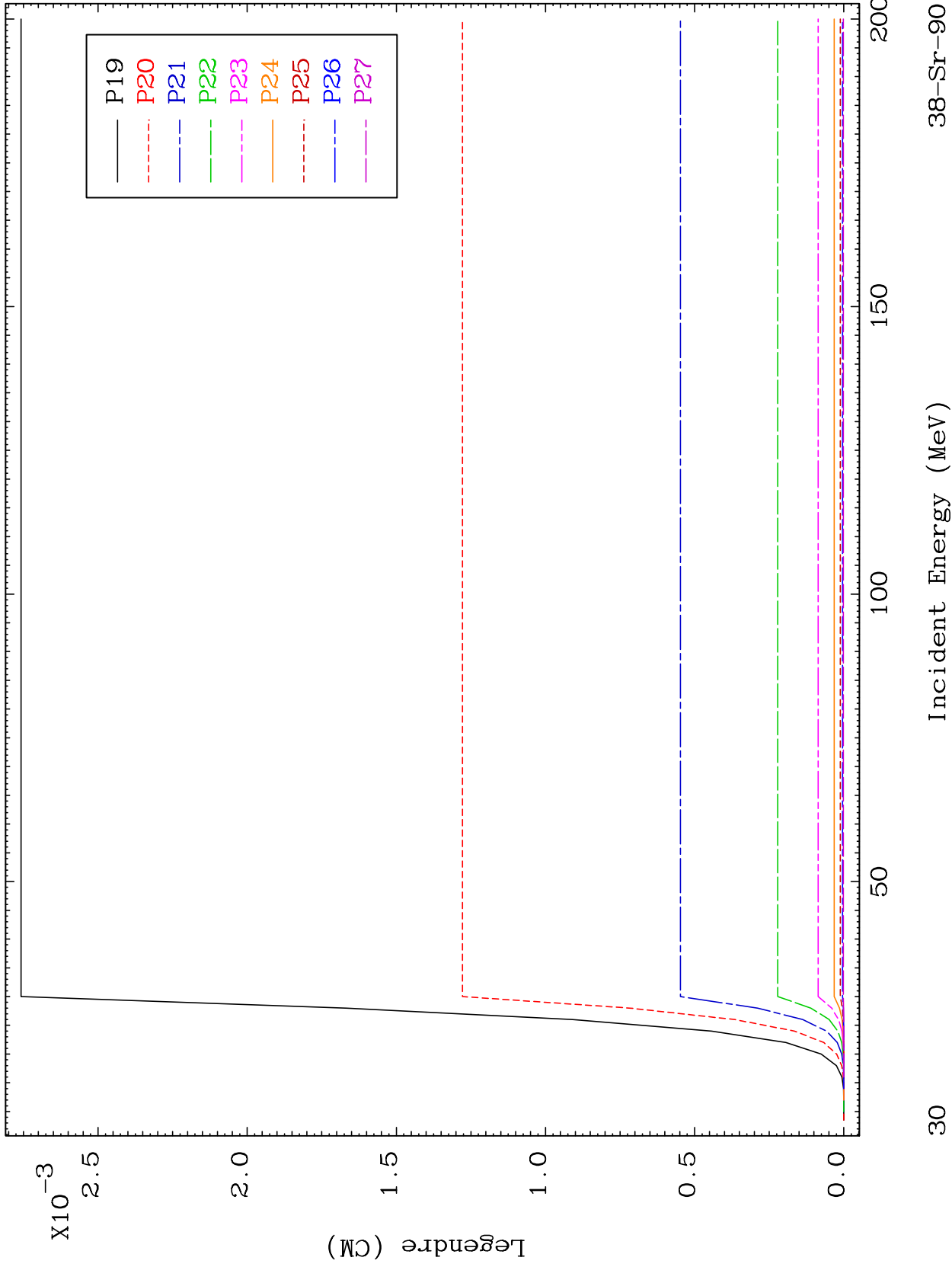
Incident Energy (MeV)

38-Sr-90

MAT 3843

1.892 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



30

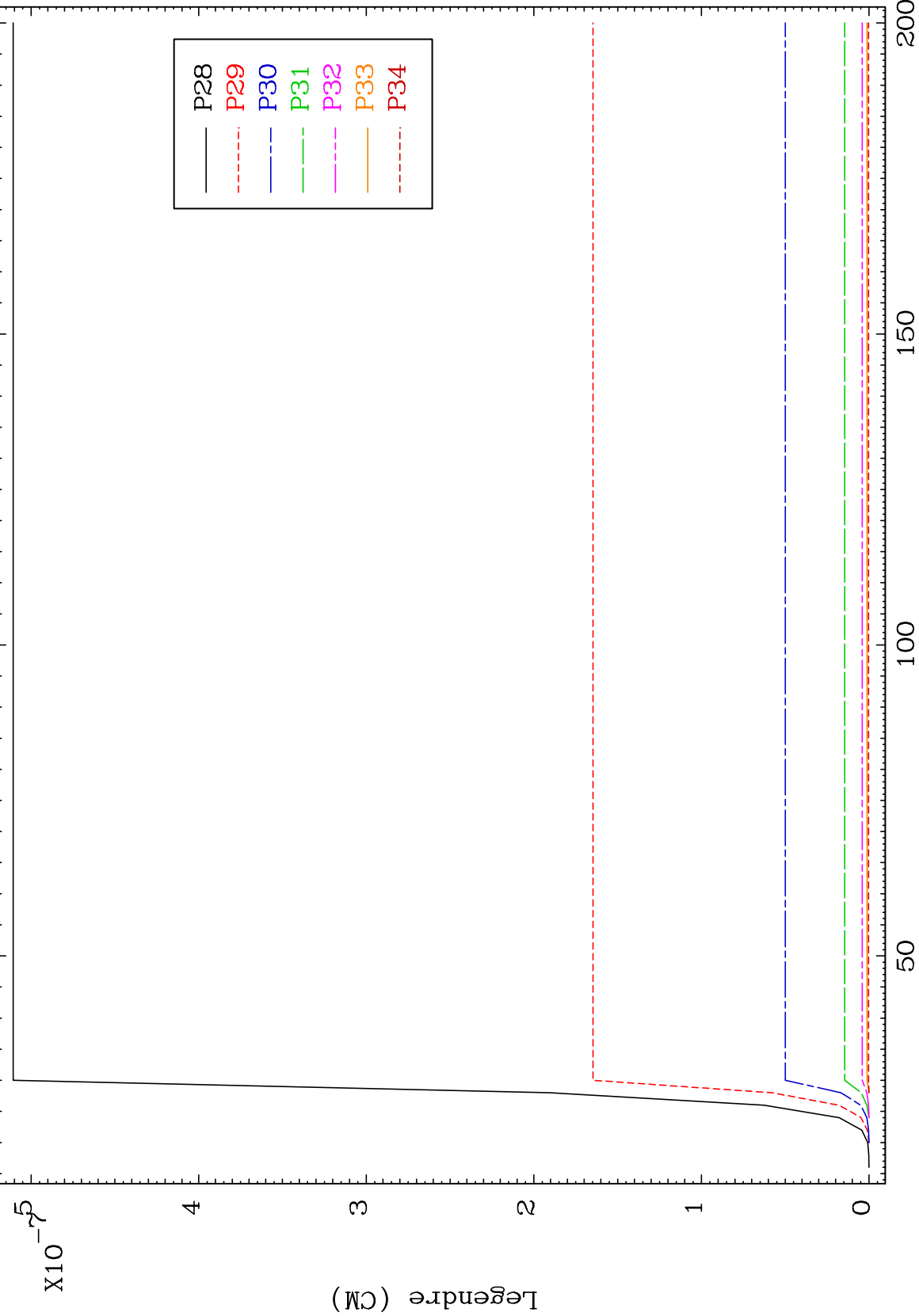
Incident Energy (MeV)

38-Sr-90

MAT 3843

1.892 MeV (n, n') Level  
Legendre Coefficients

38-Sr-90



31

Incident Energy (MeV)

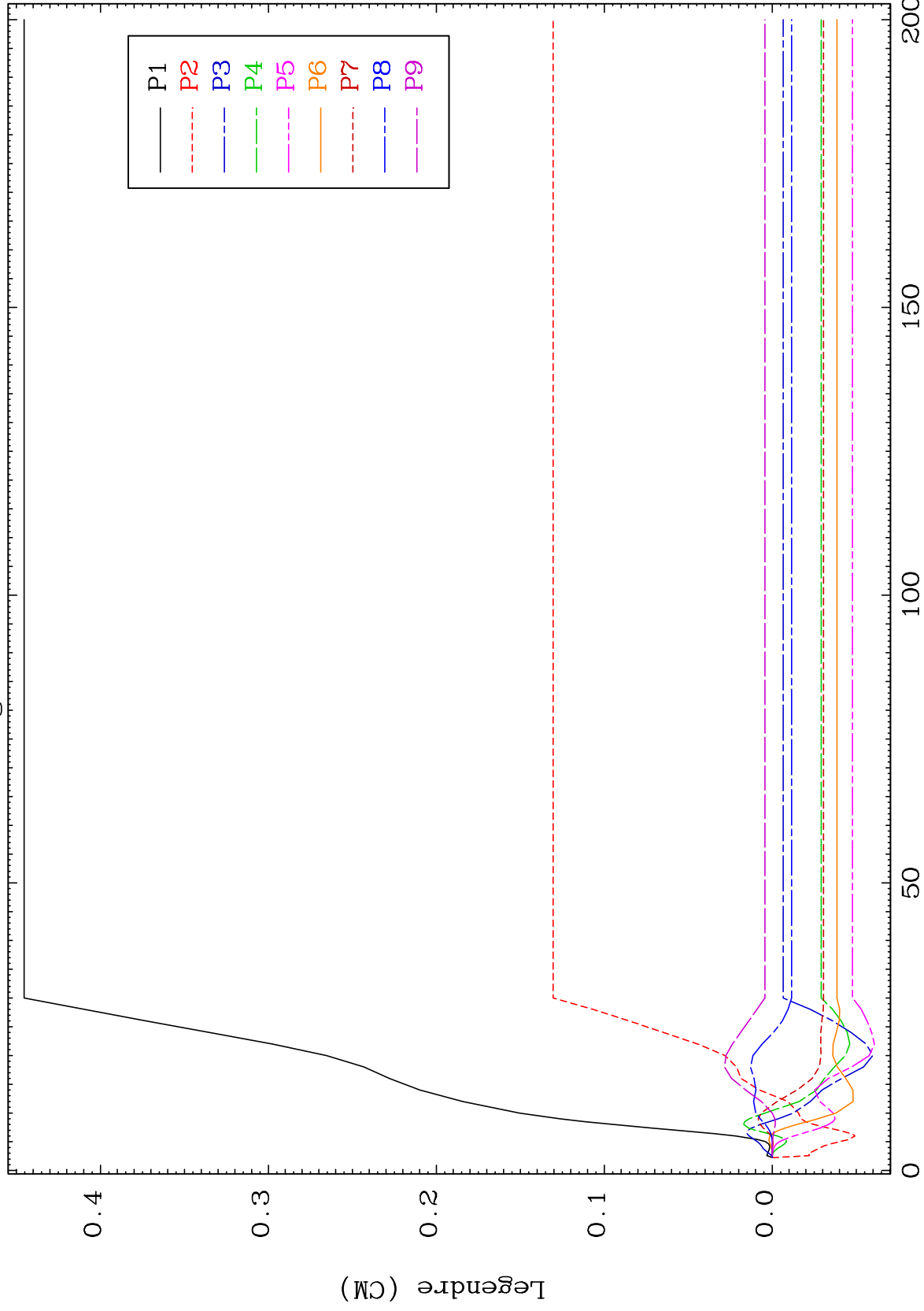
38-Sr-90



MAT 3843

2.207 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



32

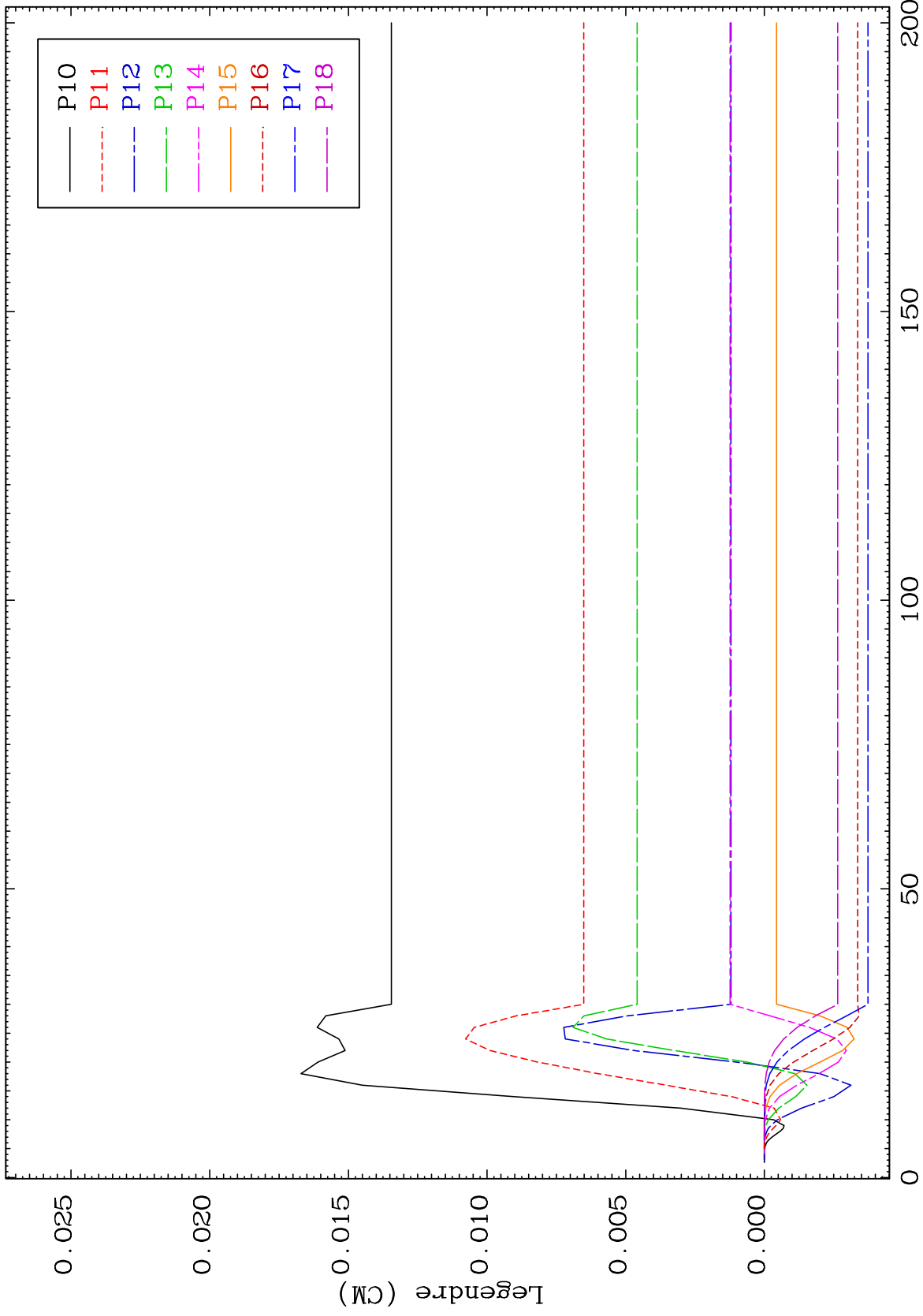
Incident Energy (MeV)

38-Sr-90

MAT 3843

2.207 MeV (n, n') Level  
Legendre Coefficients

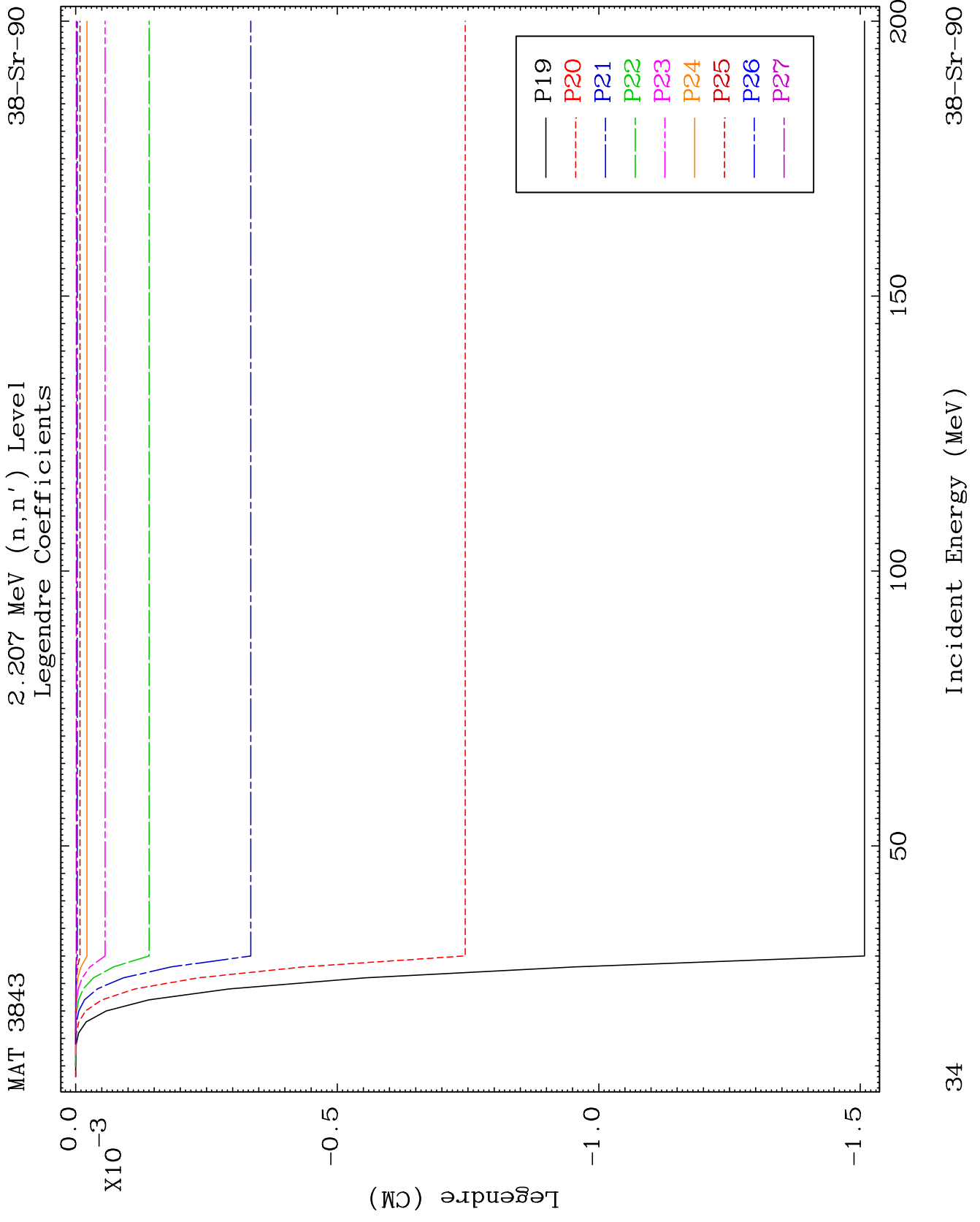
38-Sr-90

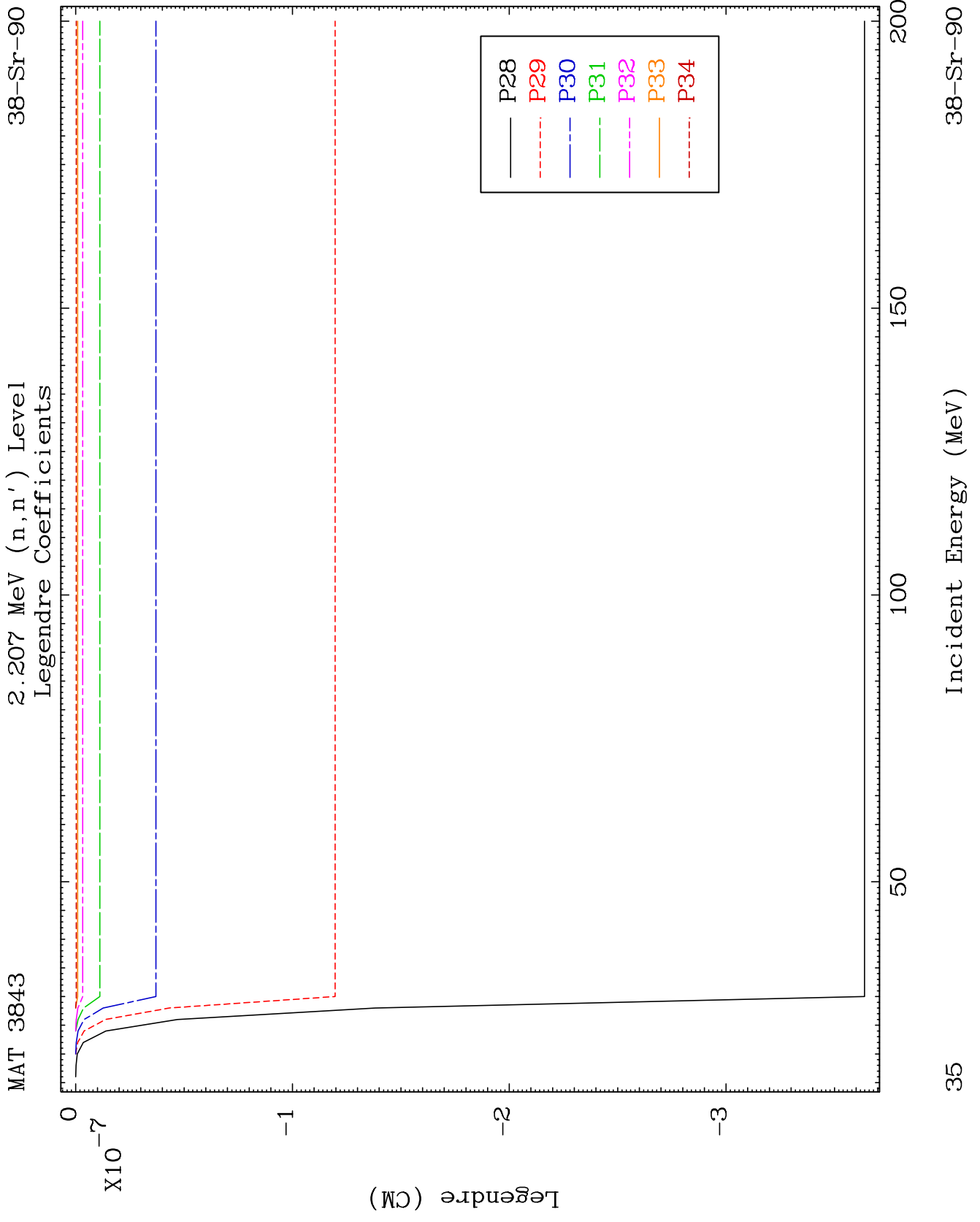


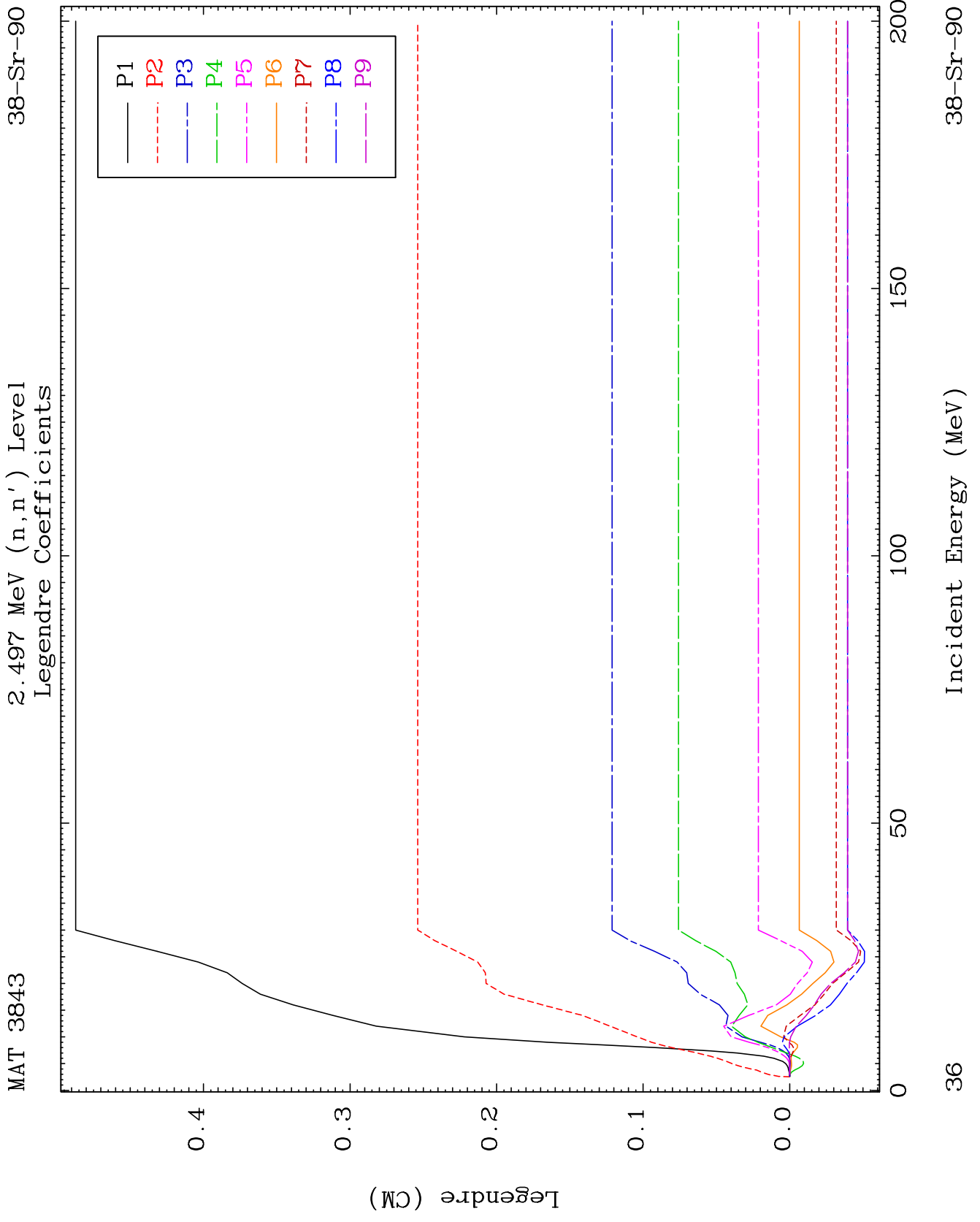
33

Incident Energy (MeV)

38-Sr-90



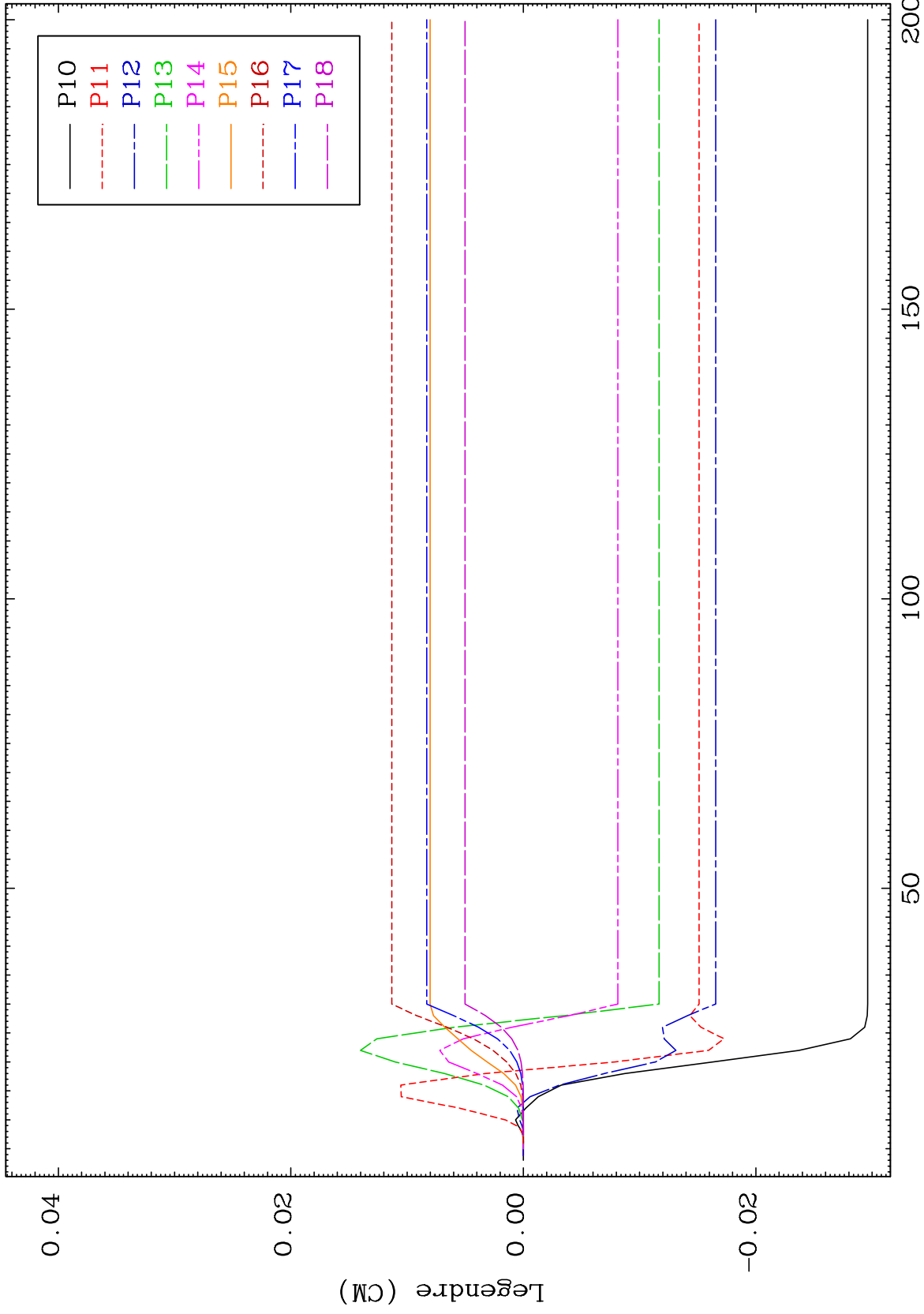




MAT 3843

2.497 MeV (n,n') Level  
Legendre Coefficients

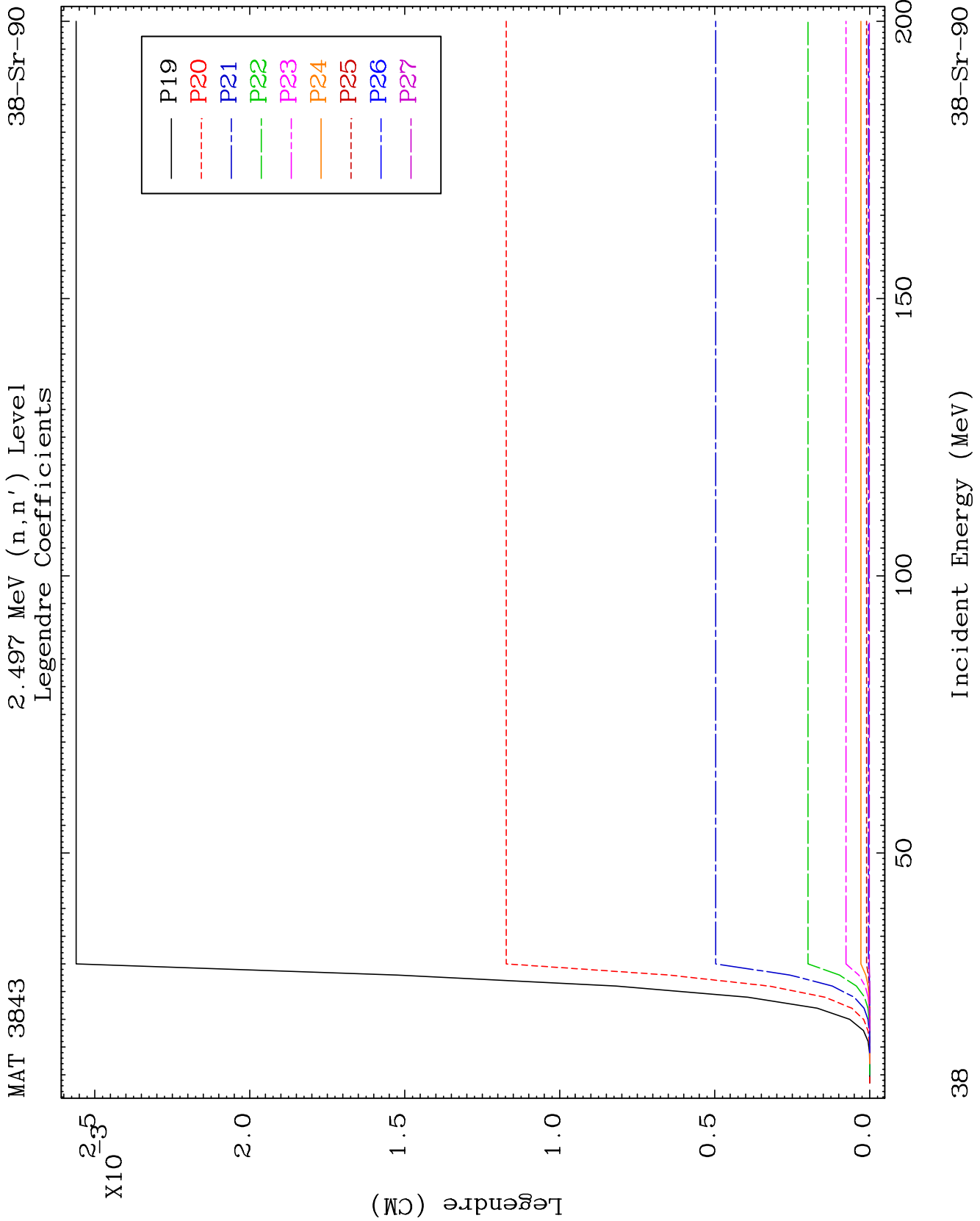
38-Sr-90



37

Incident Energy (MeV)

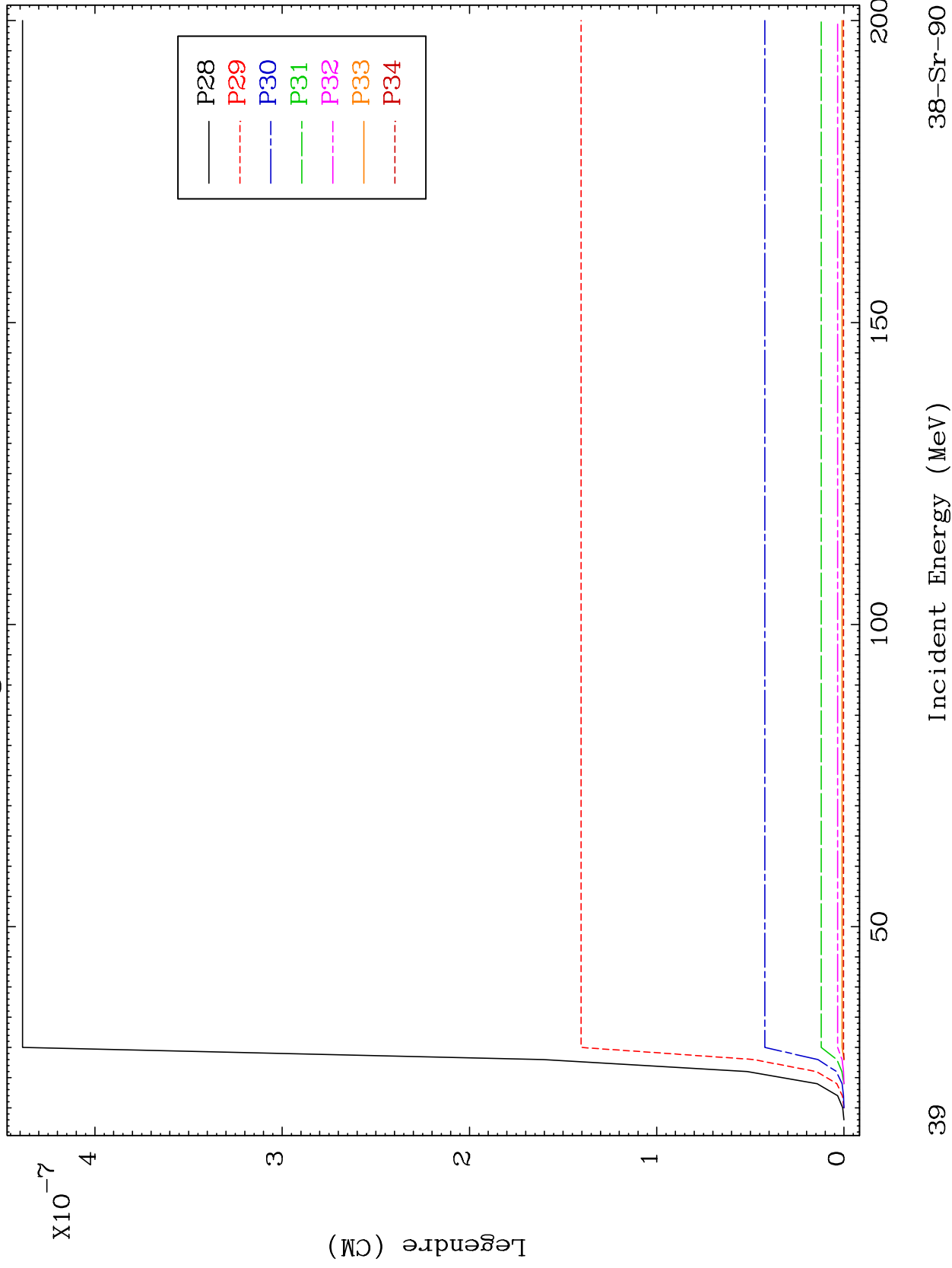
38-Sr-90



MAT 3843

2.497 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90

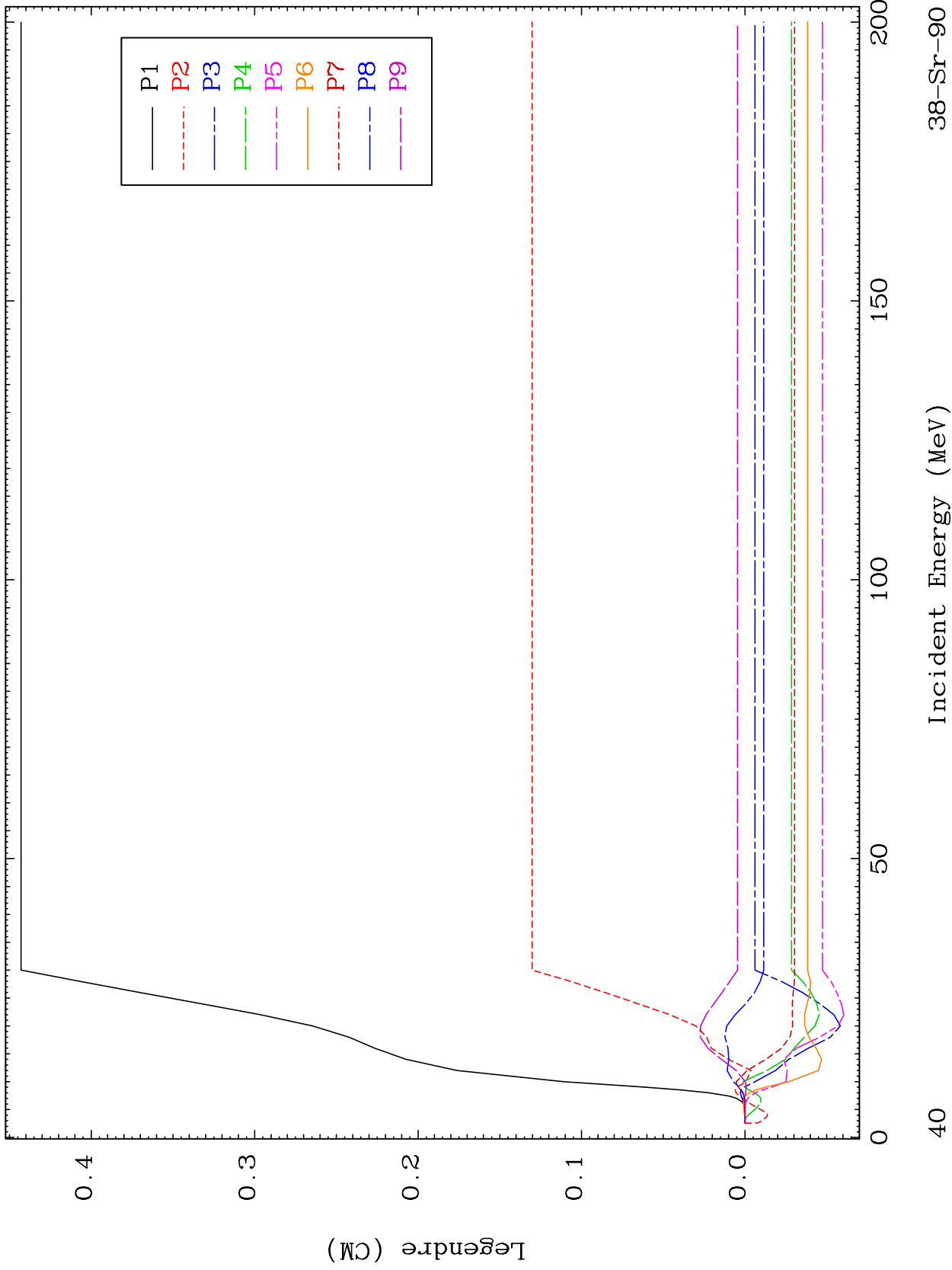




MAT 3843

2.528 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



38-Sr-90

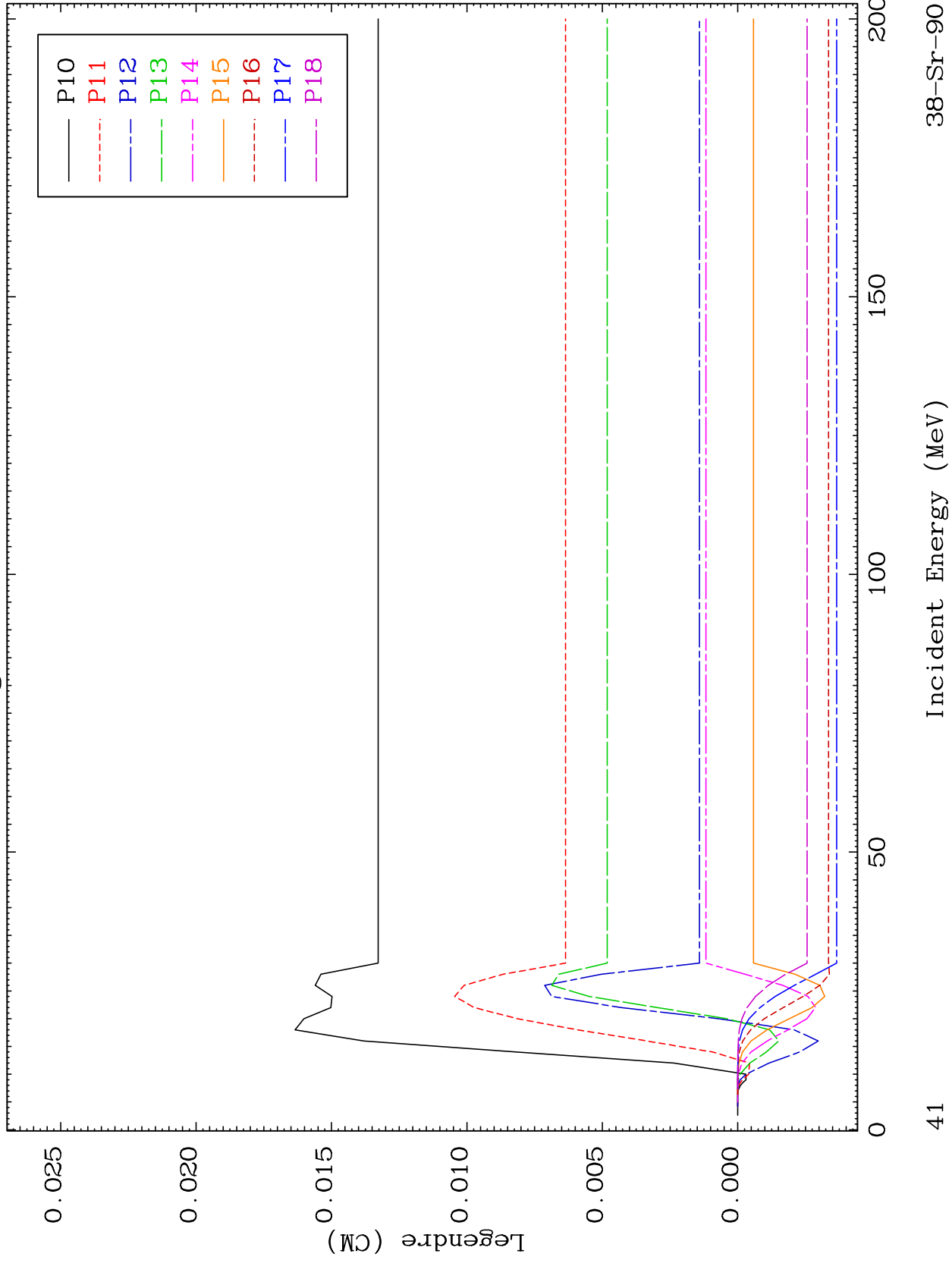
Incident Energy (MeV)

40

MAT 3843

2.528 MeV (n,n') Level  
Legendre Coefficients

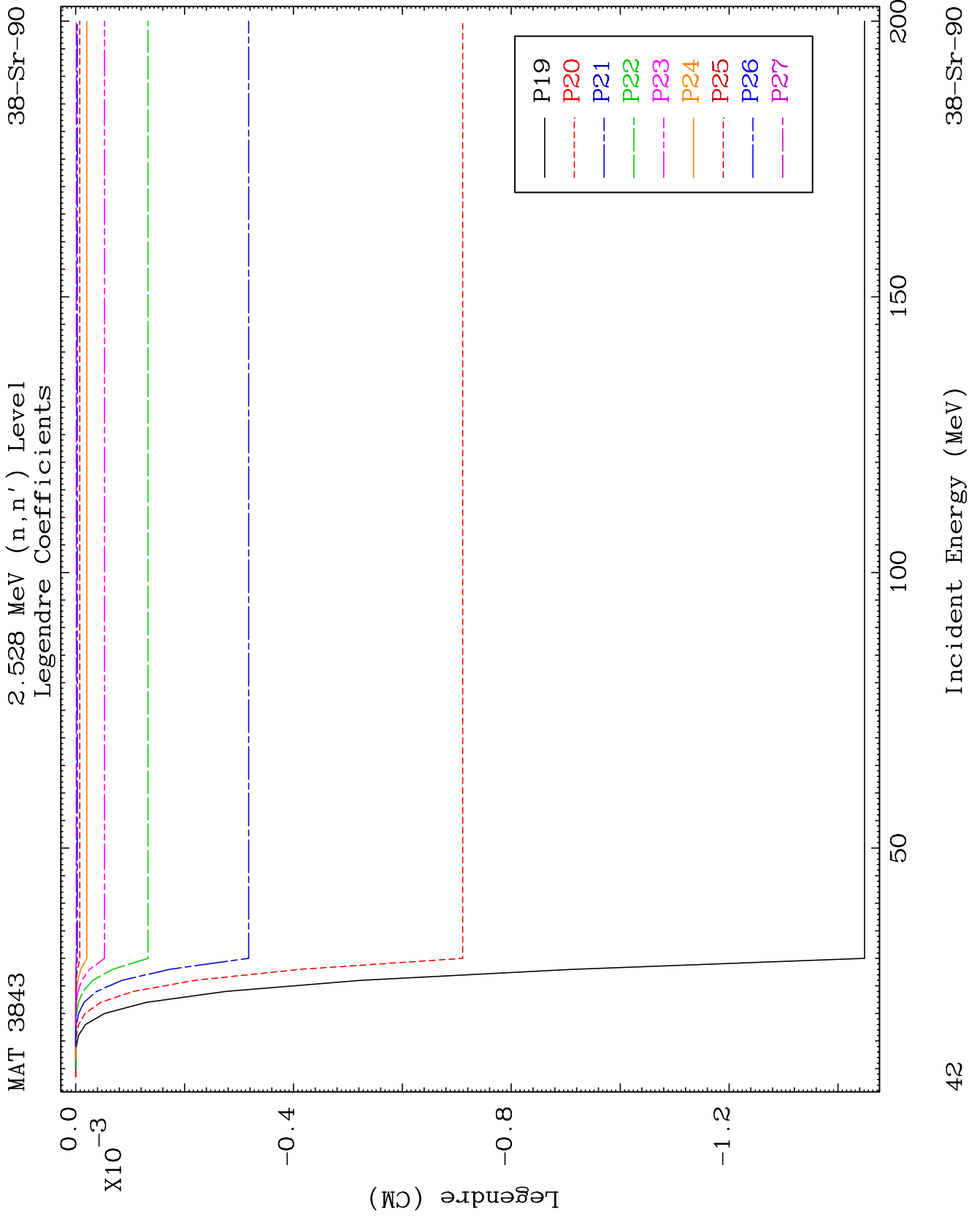
38-Sr-90

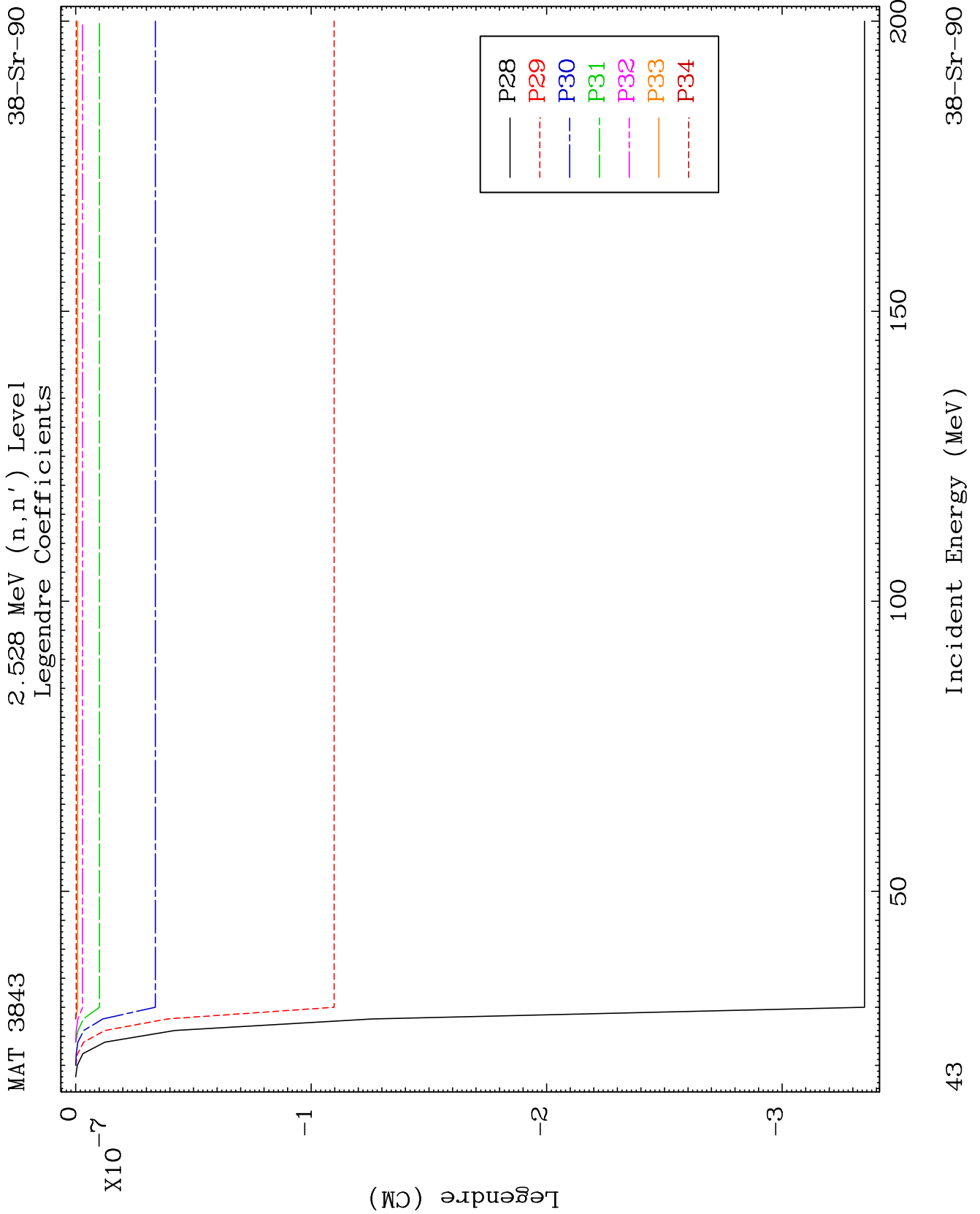


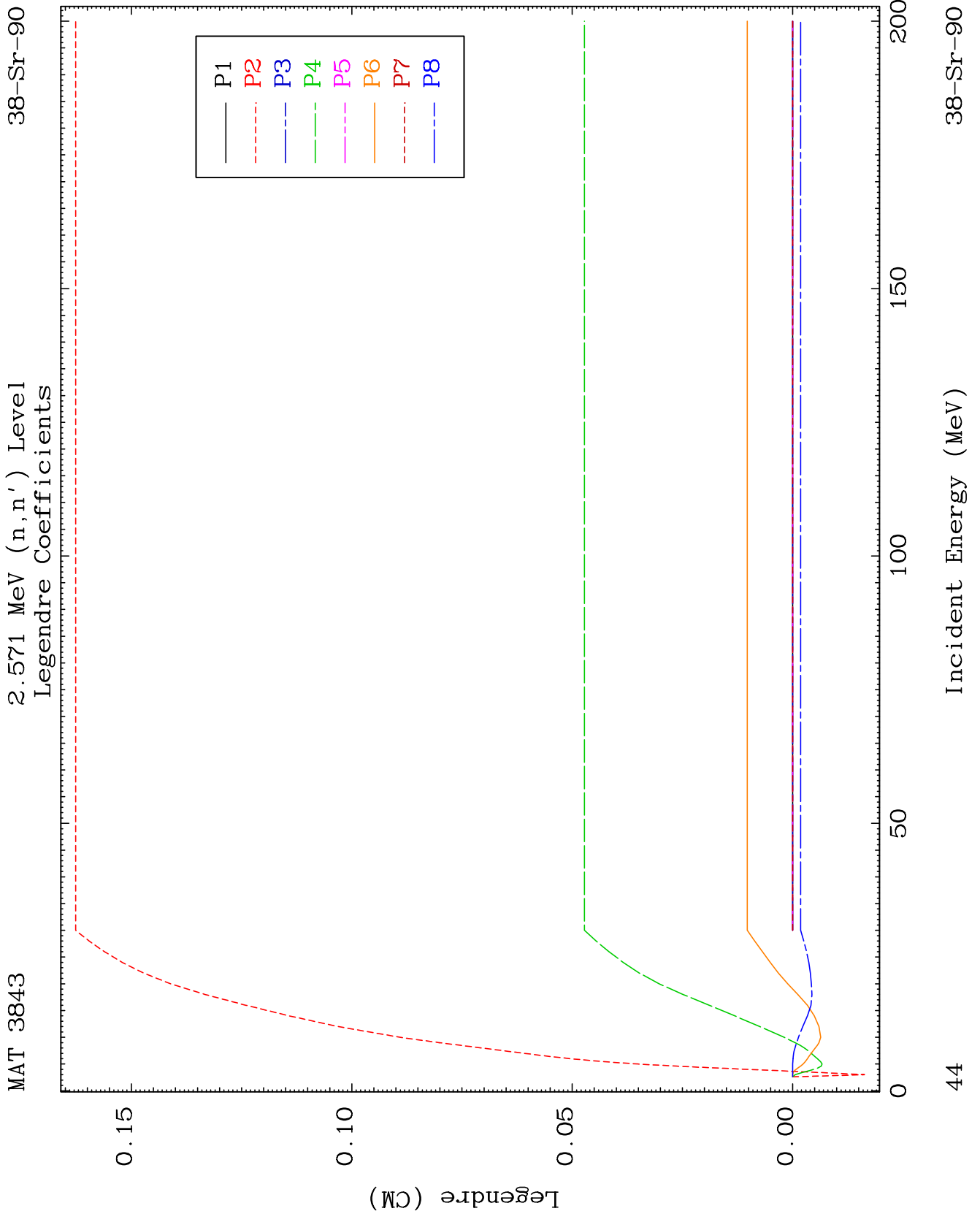
41

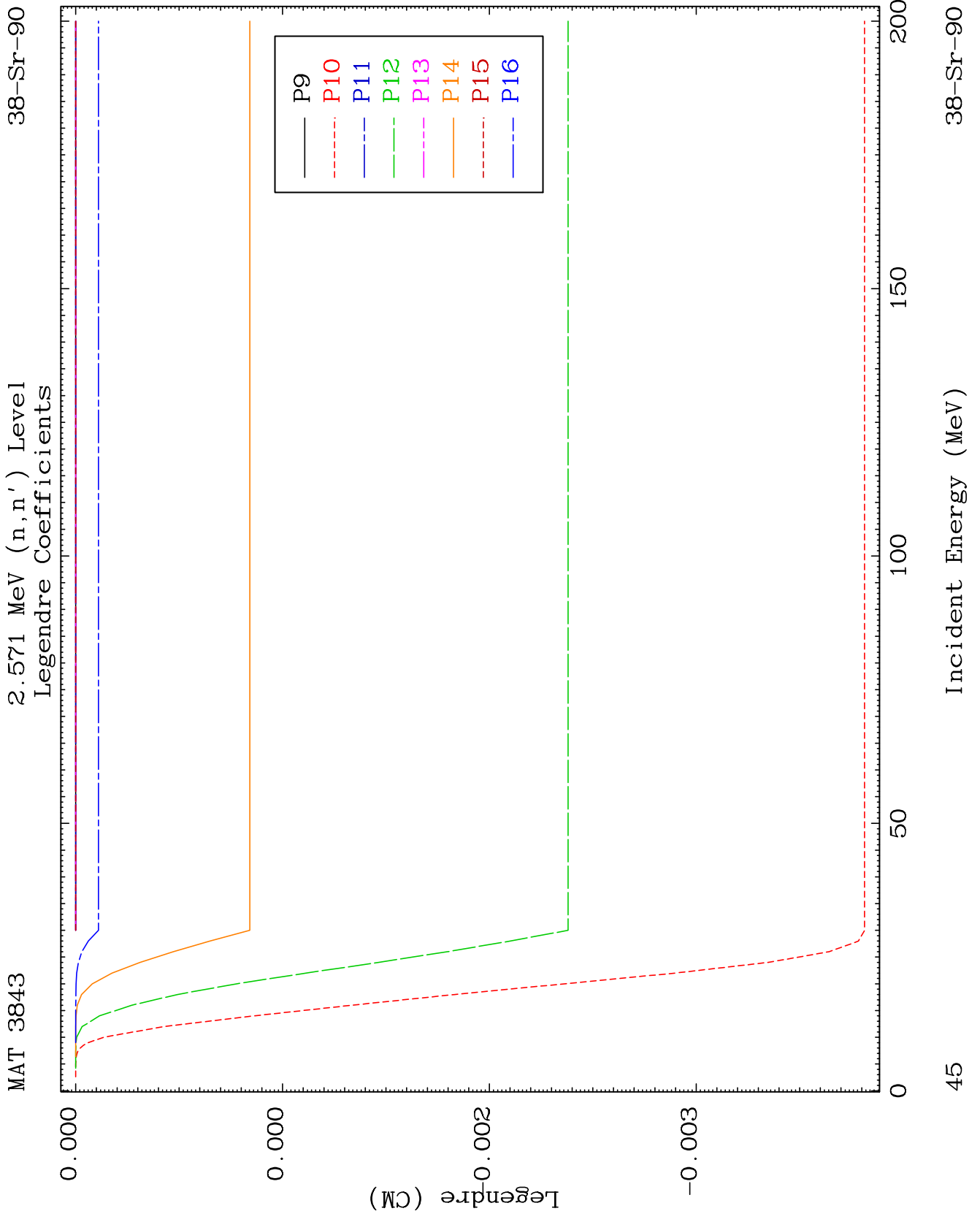
Incident Energy (MeV)

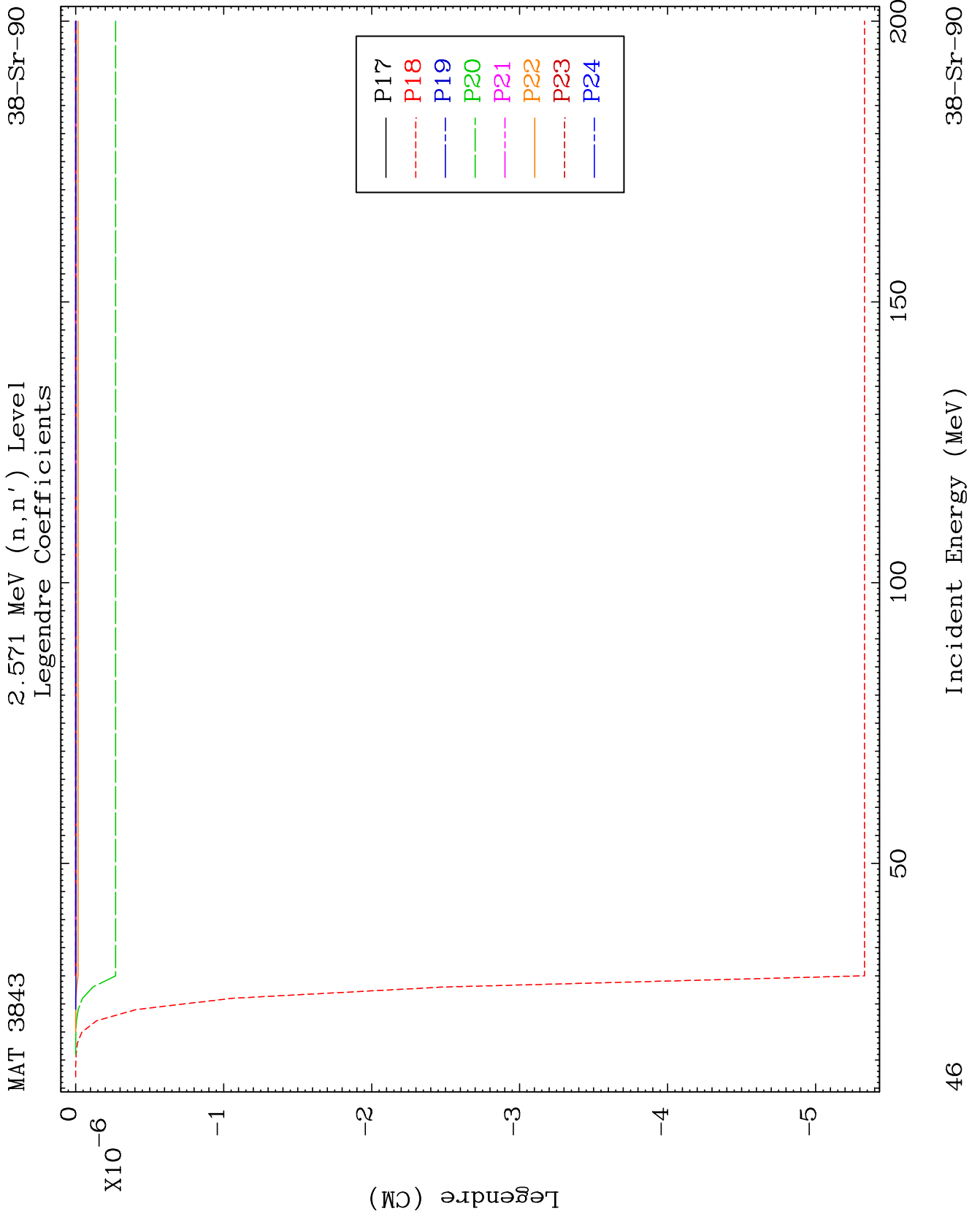
38-Sr-90







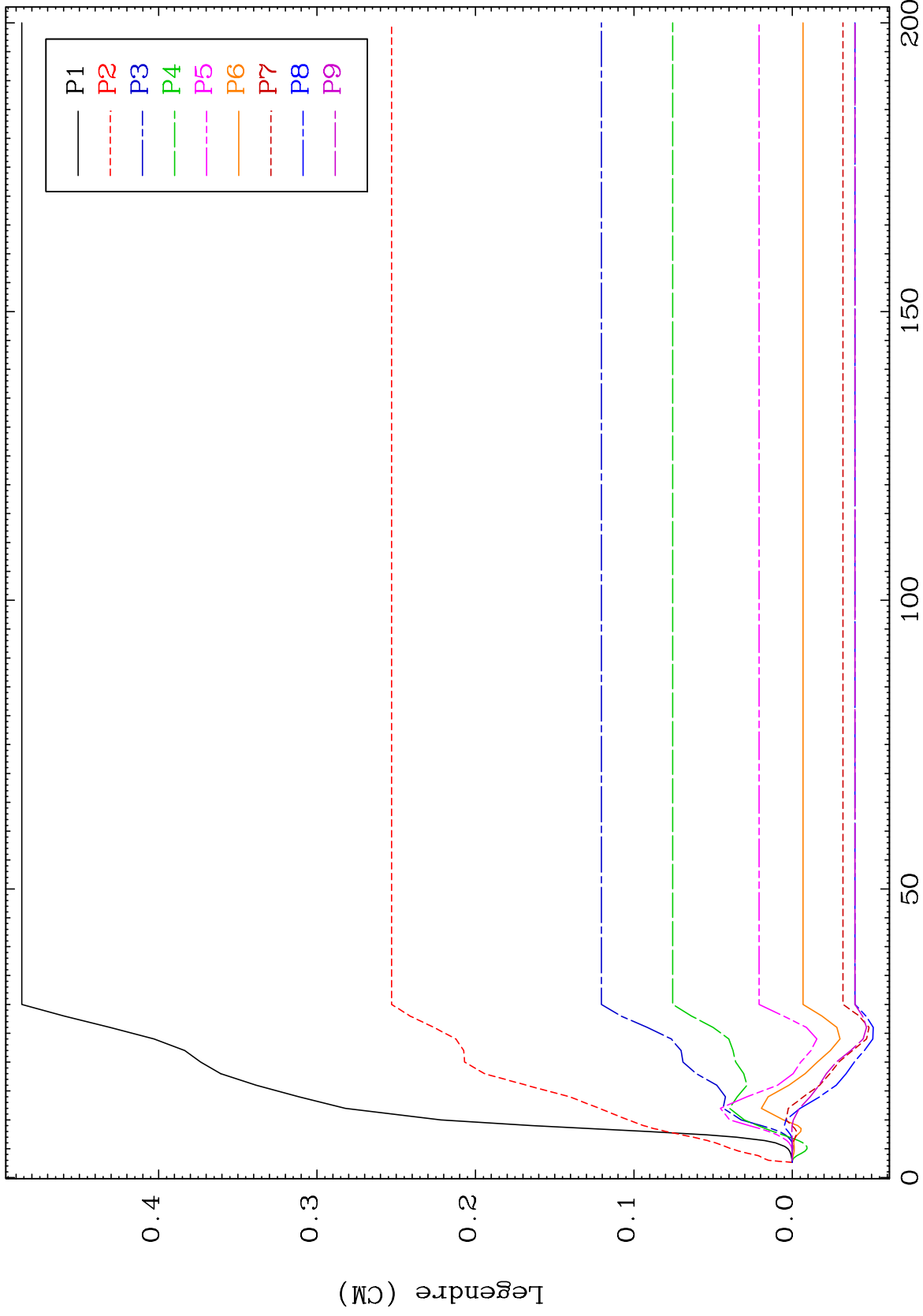




MAT 3843

2.586 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



47

Incident Energy (MeV)

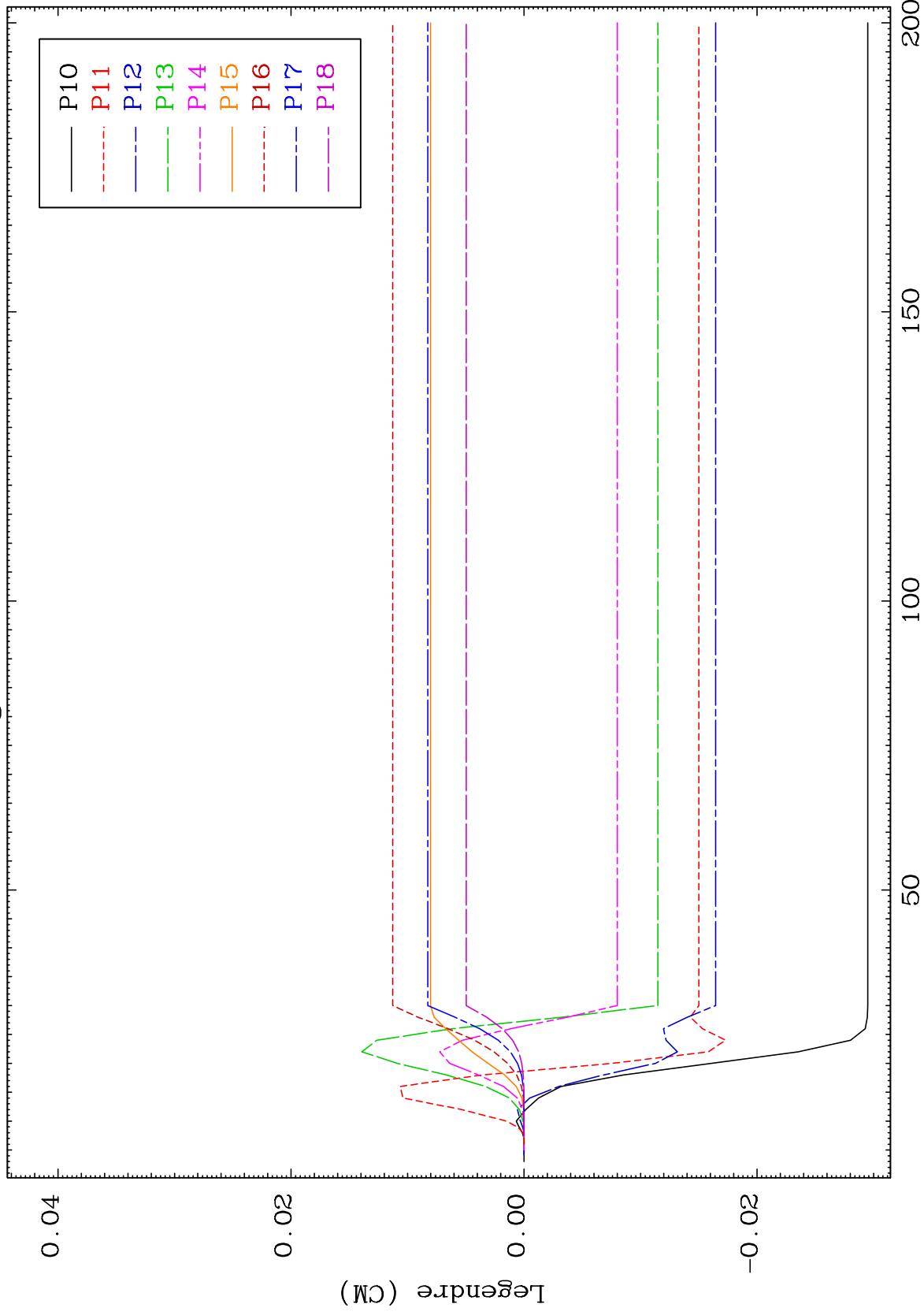
38-Sr-90



MAT 3843

2.586 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



48

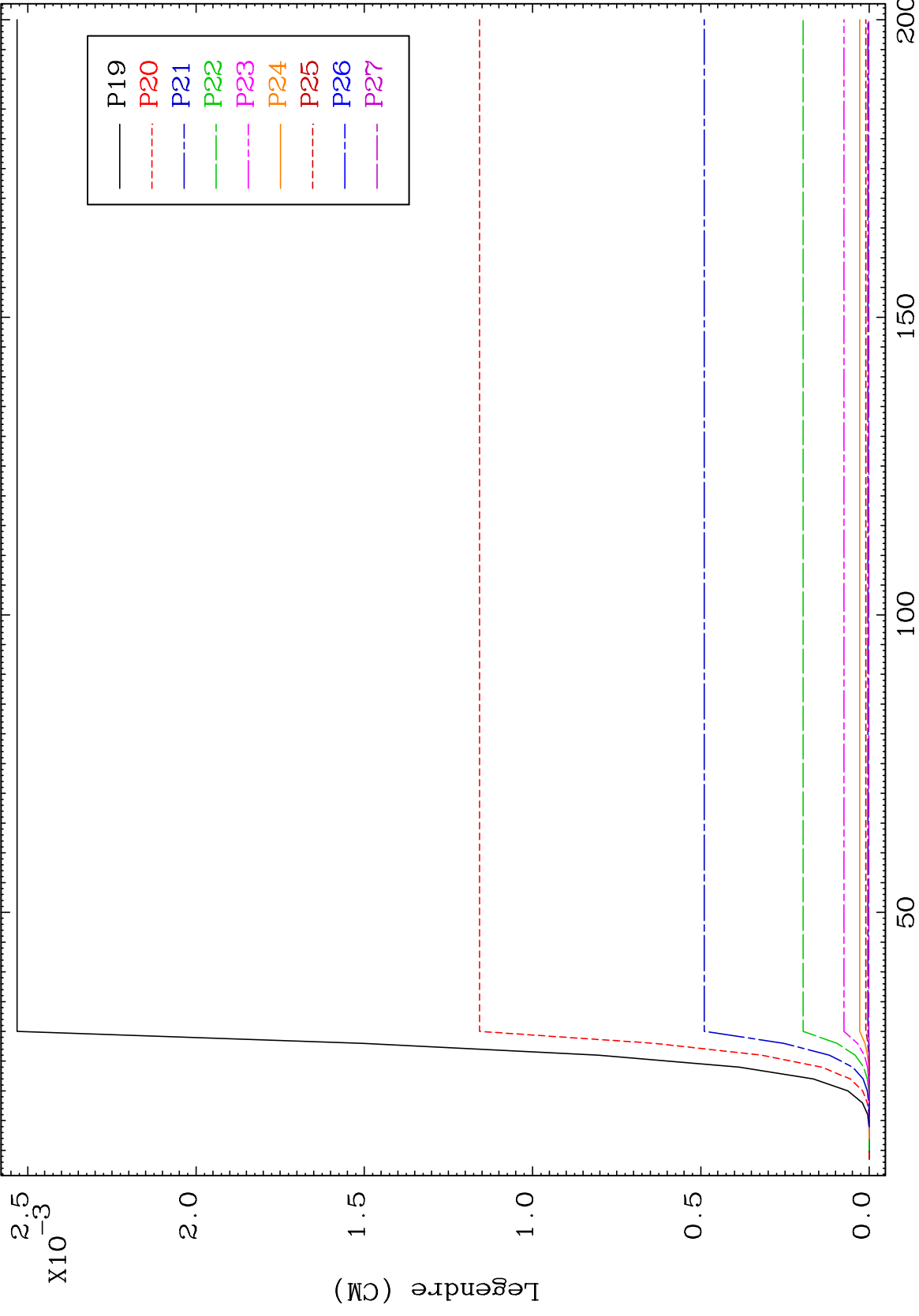
Incident Energy (MeV)

38-Sr-90

MAT 3843

2.586 MeV (n,n') Level  
Legendre Coefficients

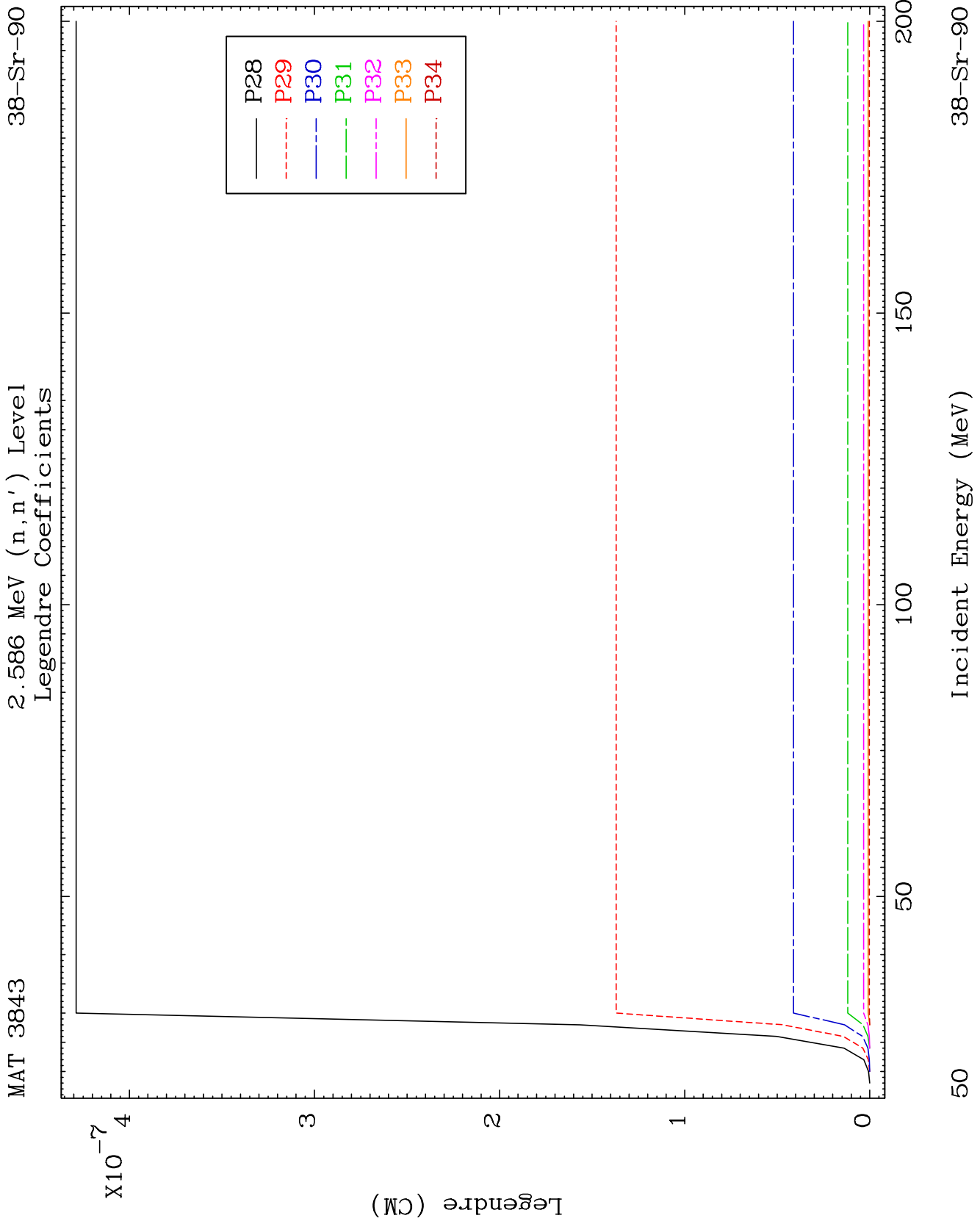
38-Sr-90



49

Incident Energy (MeV)

38-Sr-90

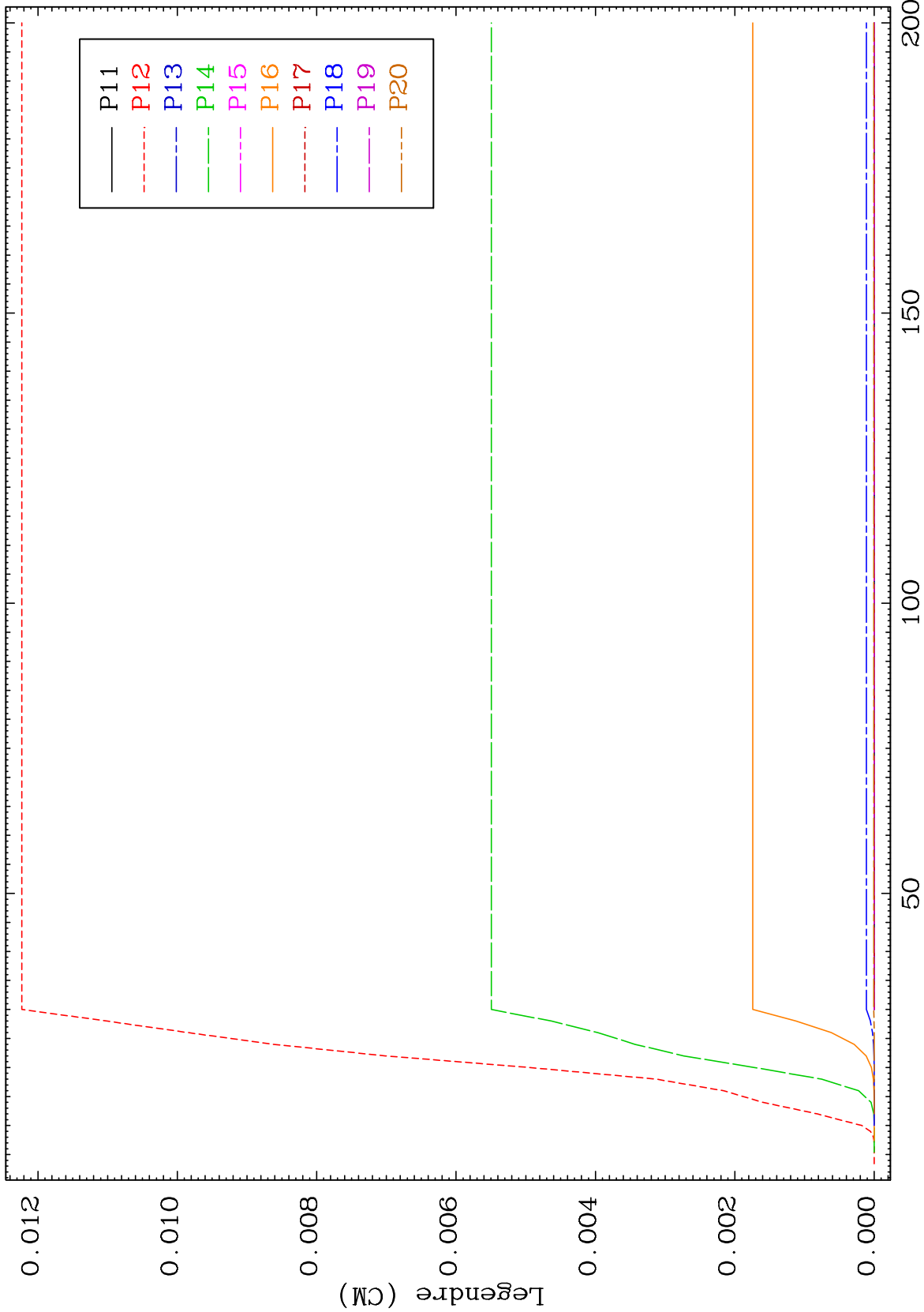




MAT 3843

2.674 MeV (n,n') Level  
Legendre Coefficients

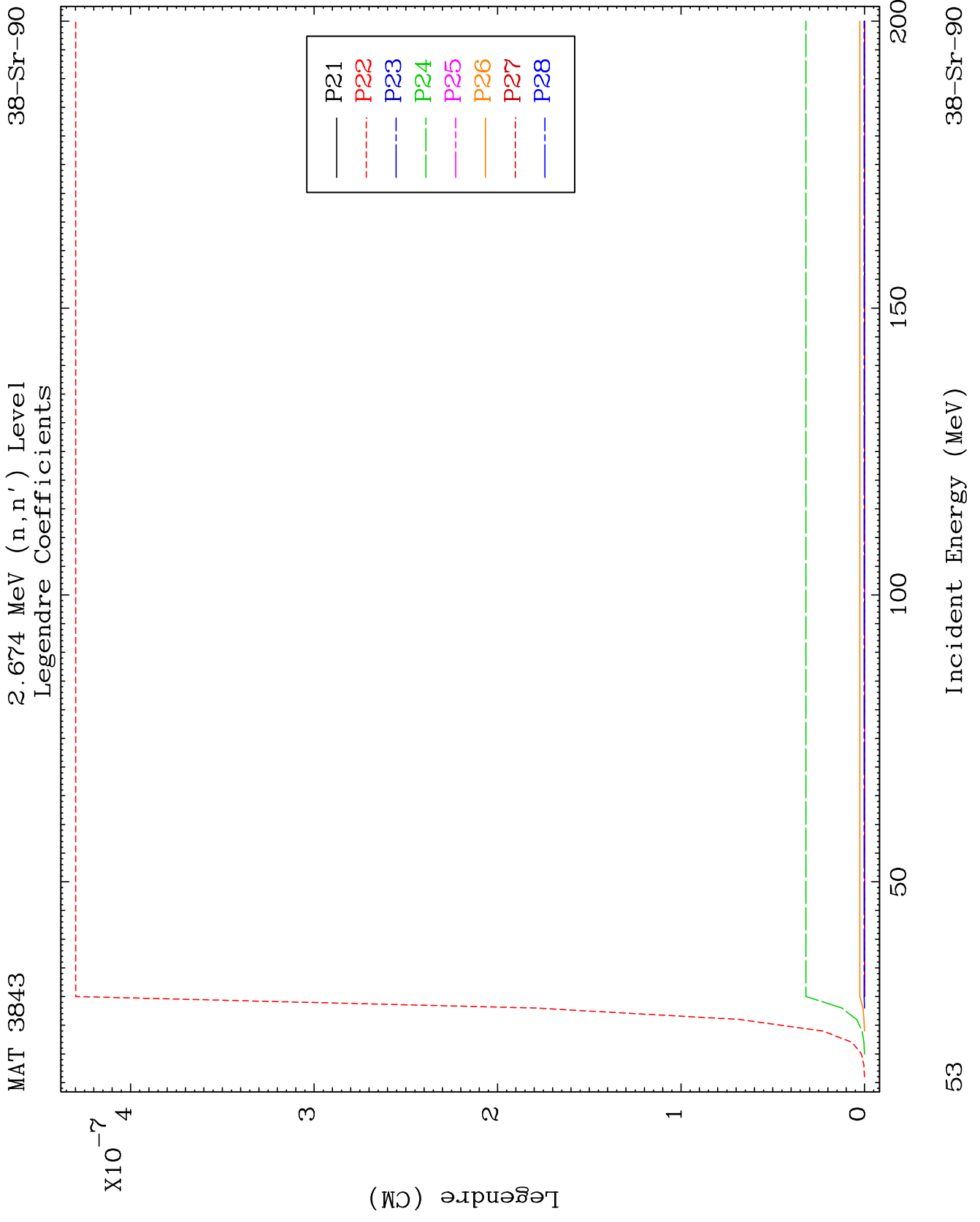
38-Sr-90

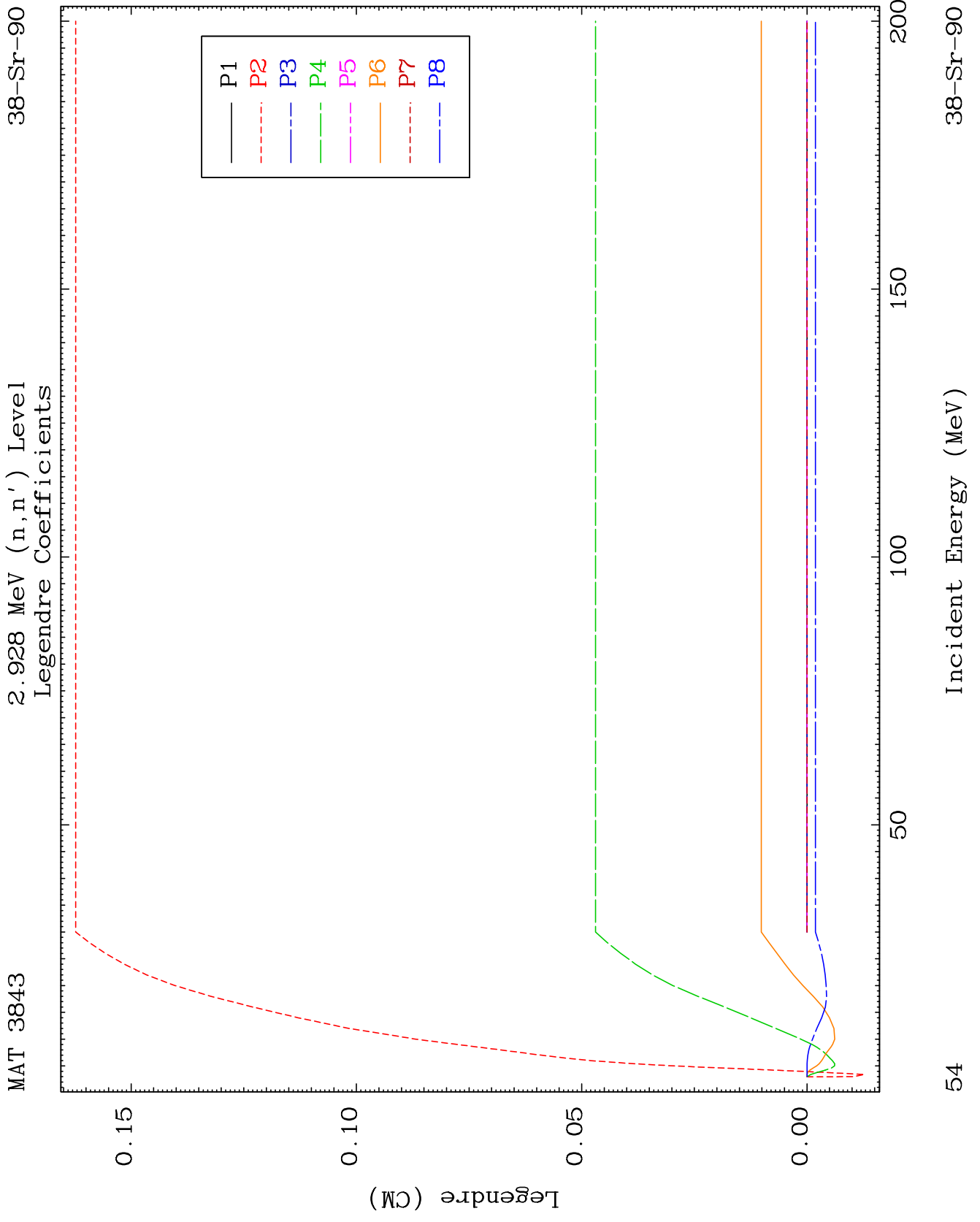


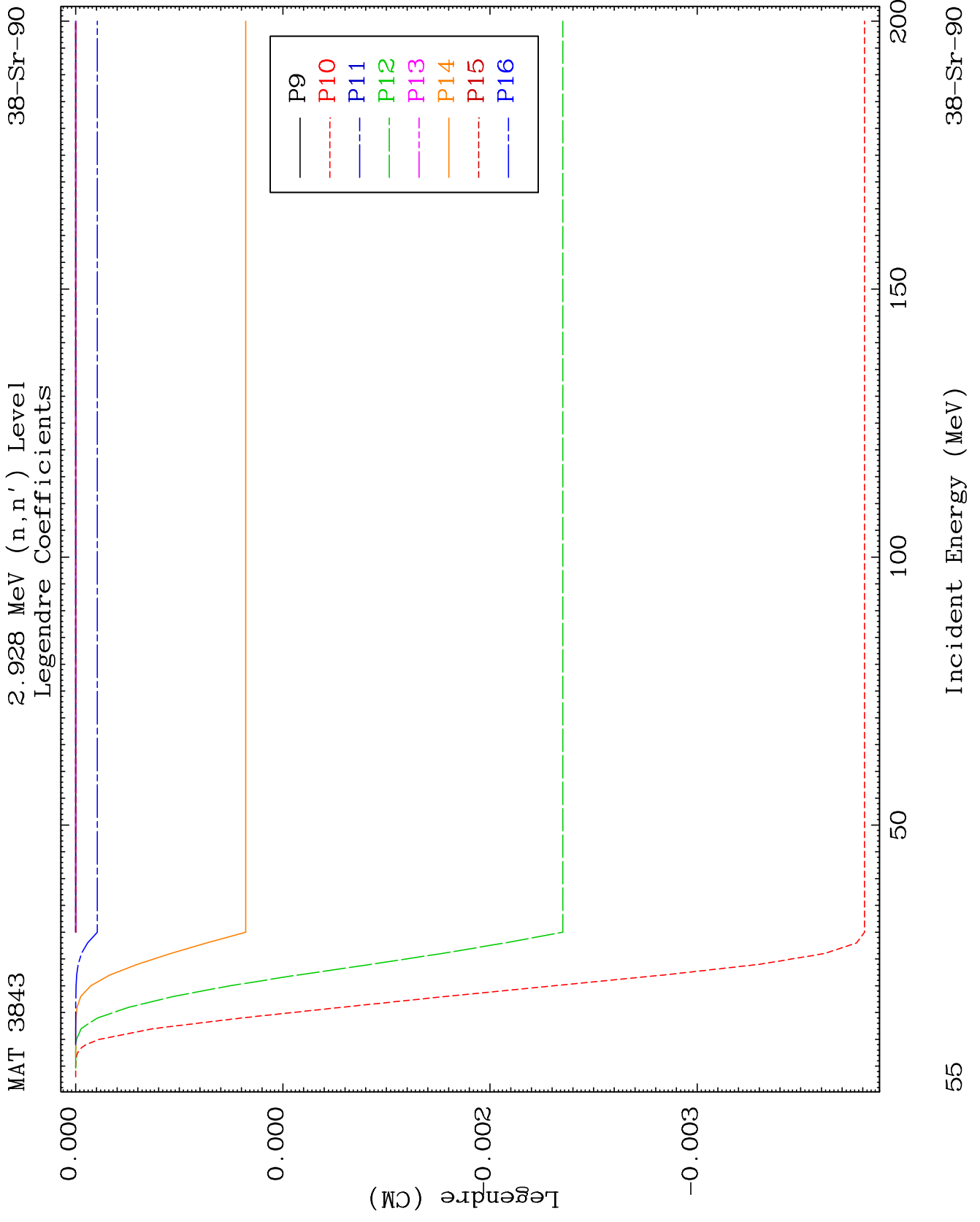
52

Incident Energy (MeV)

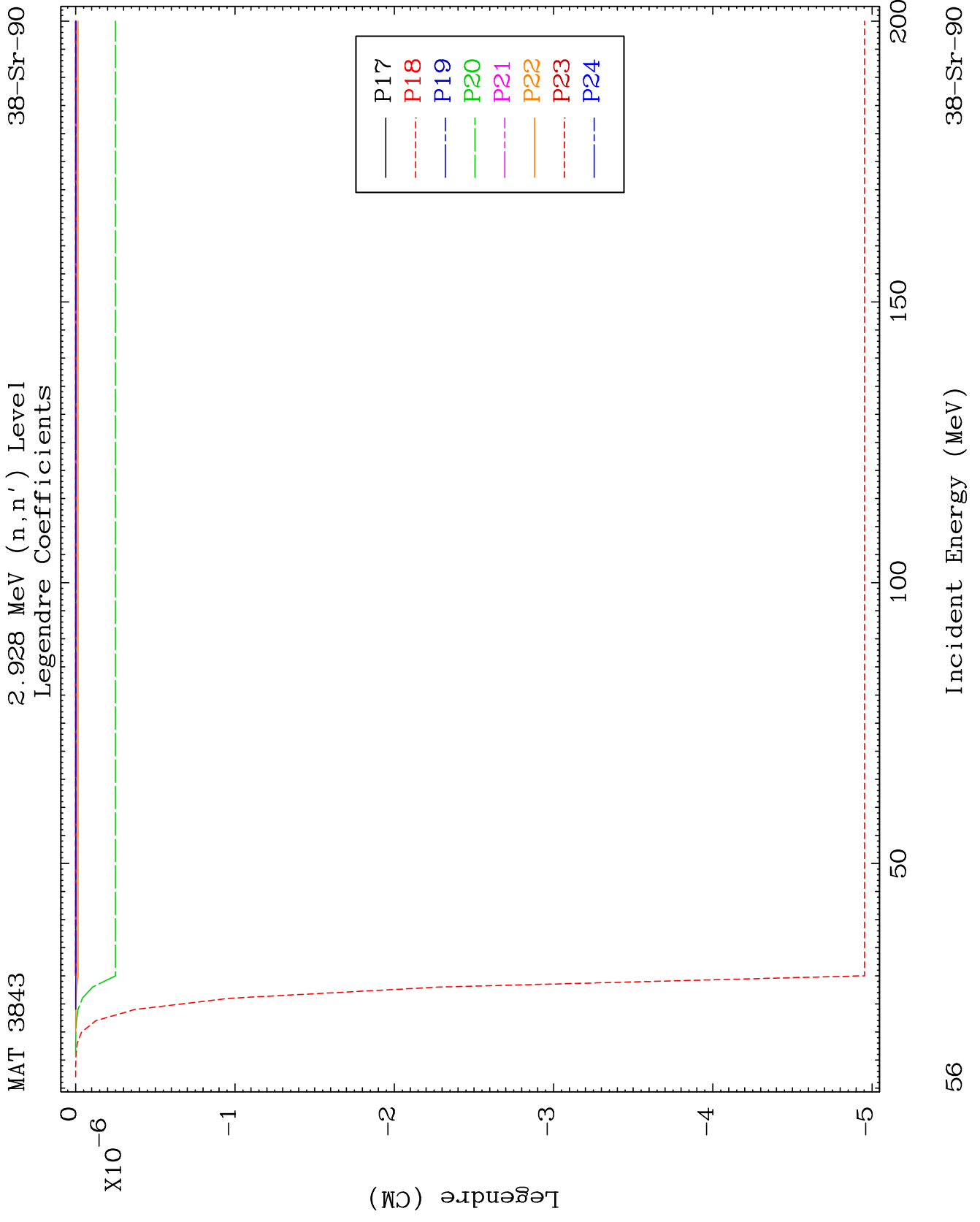
38-Sr-90

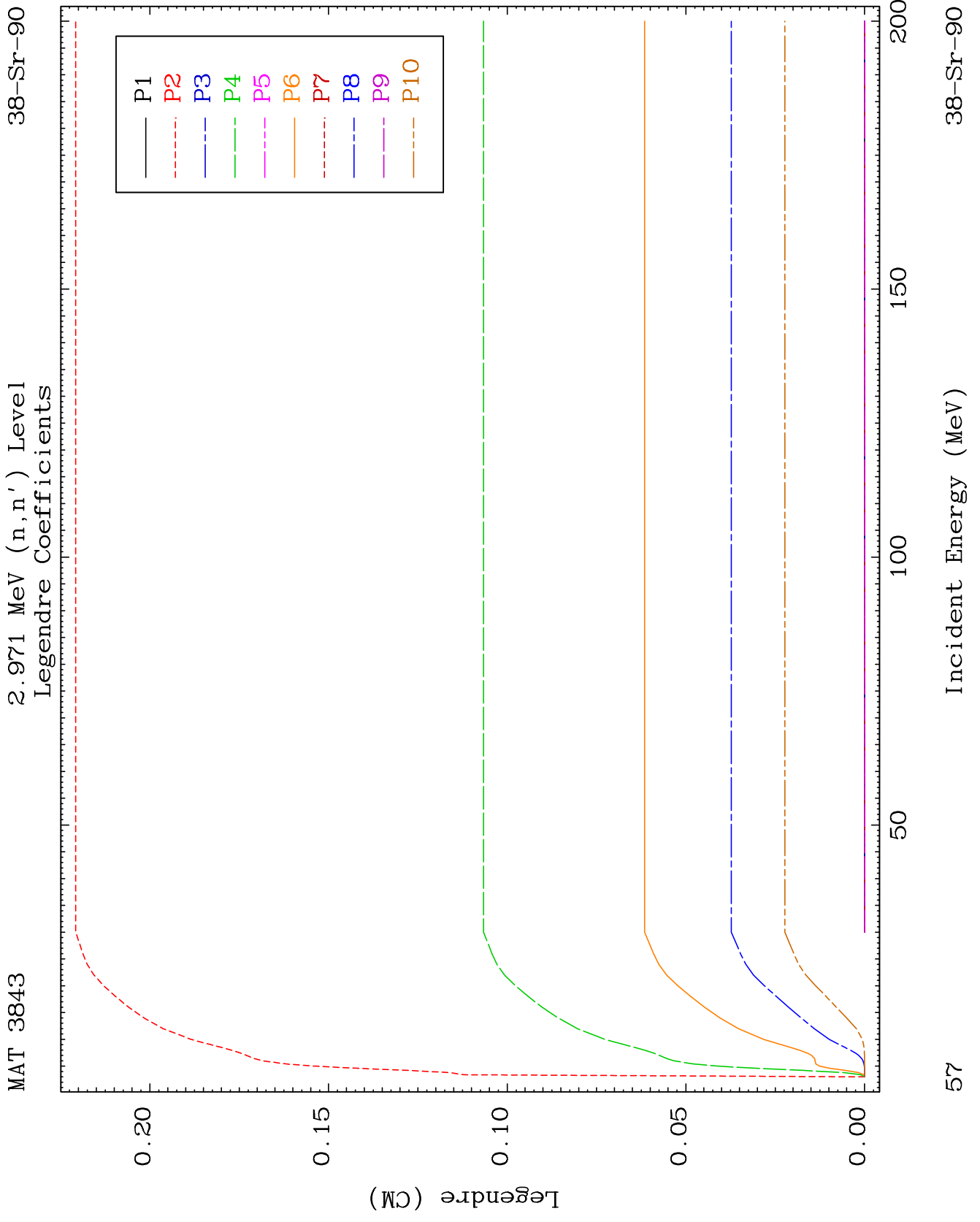




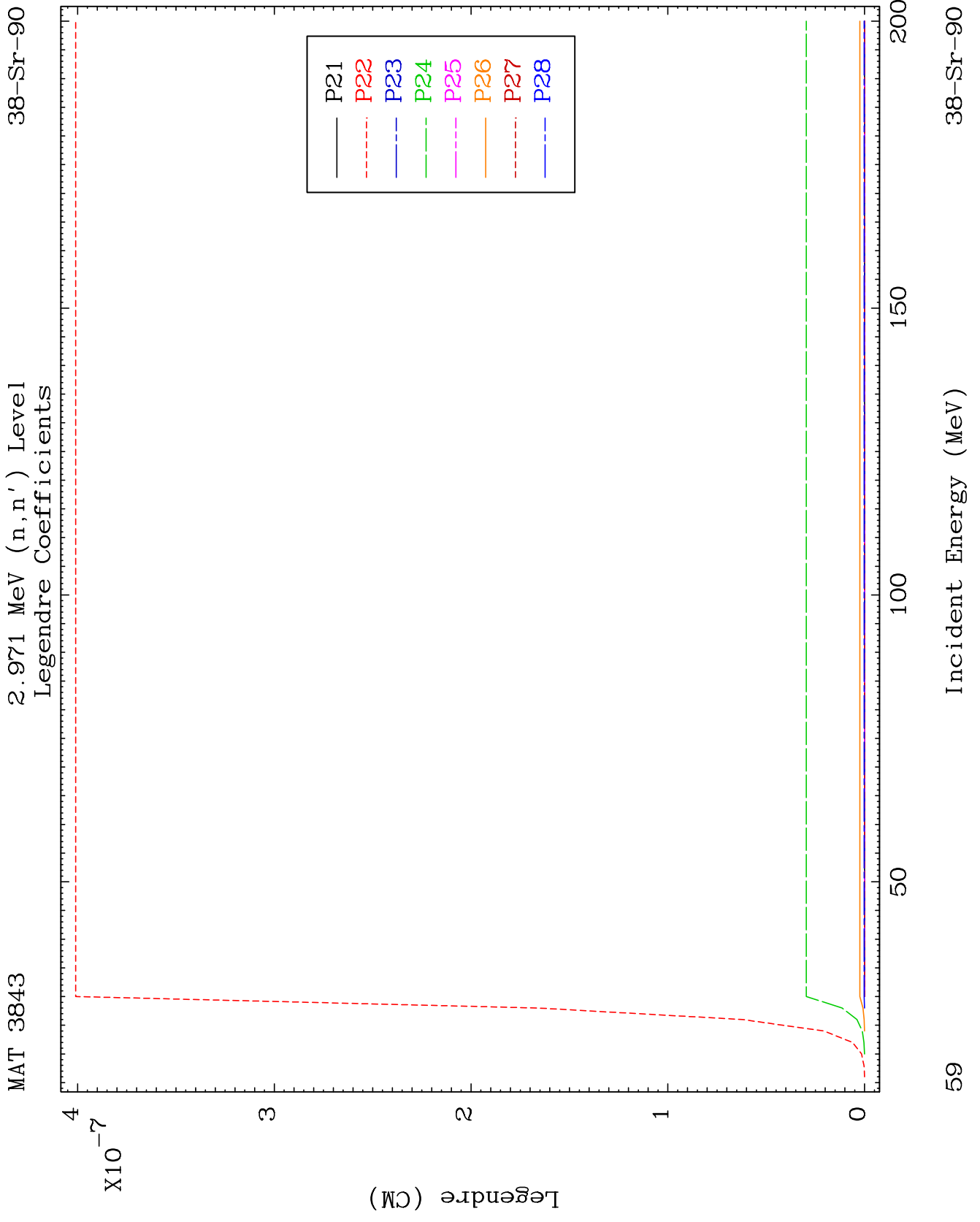


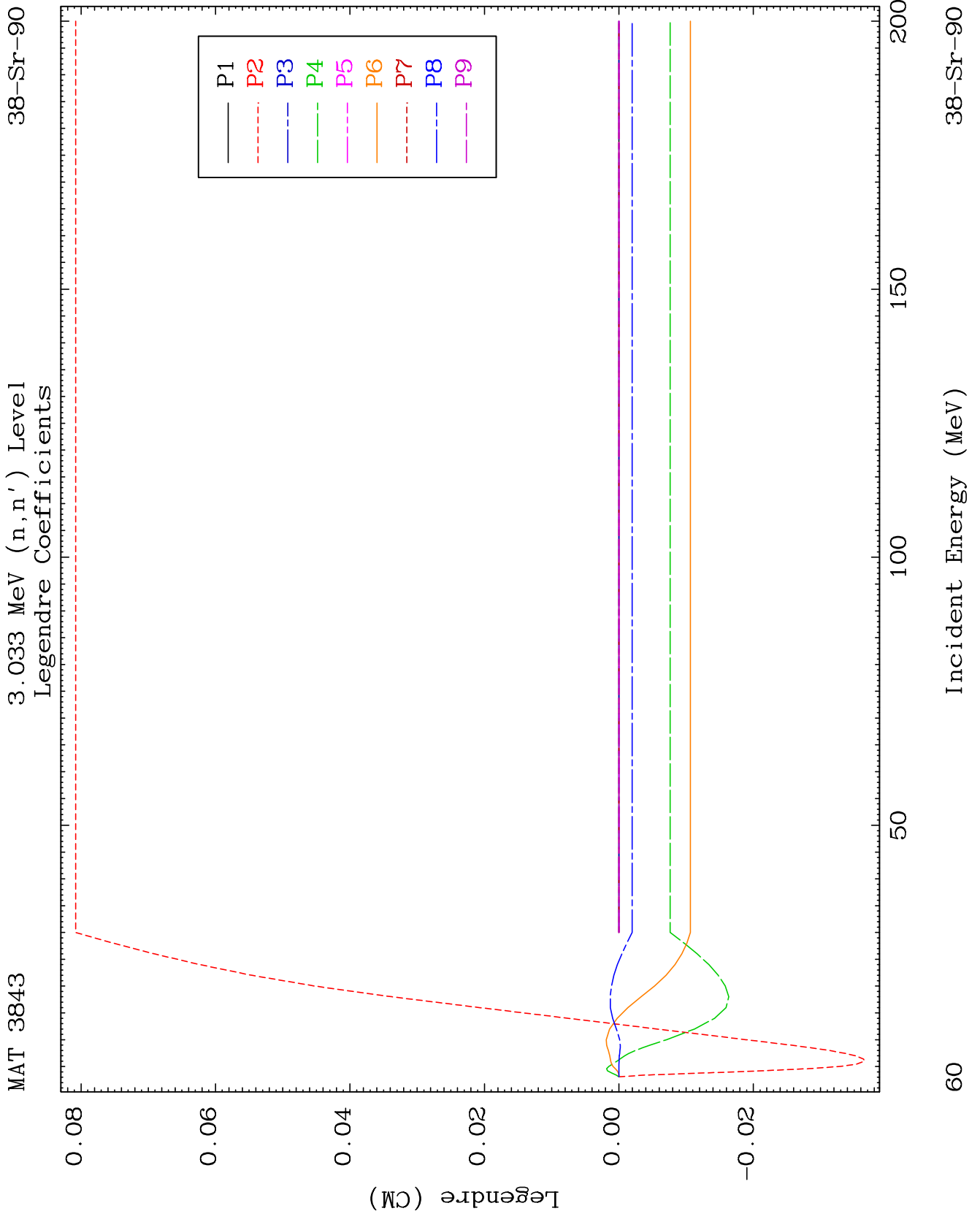








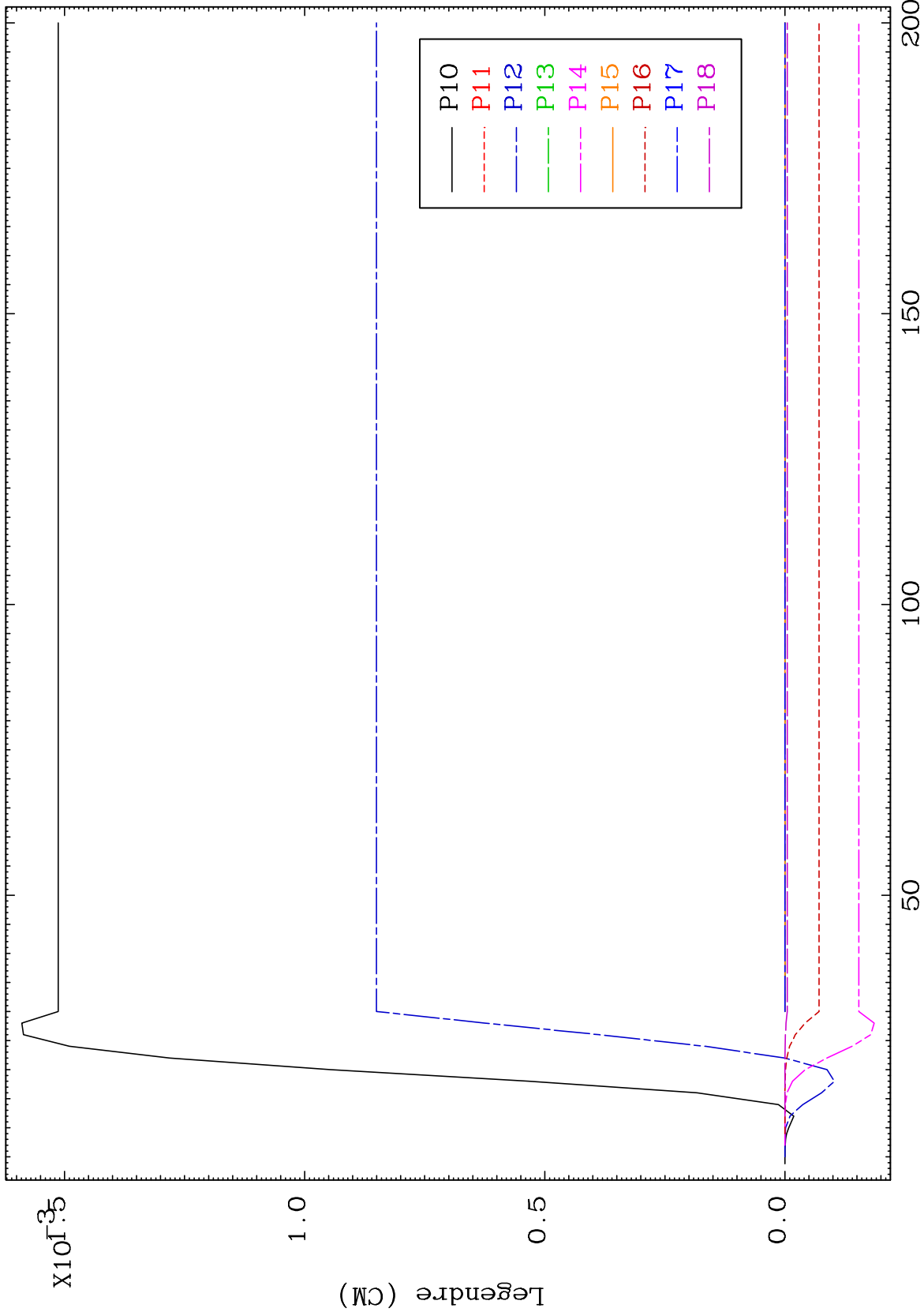


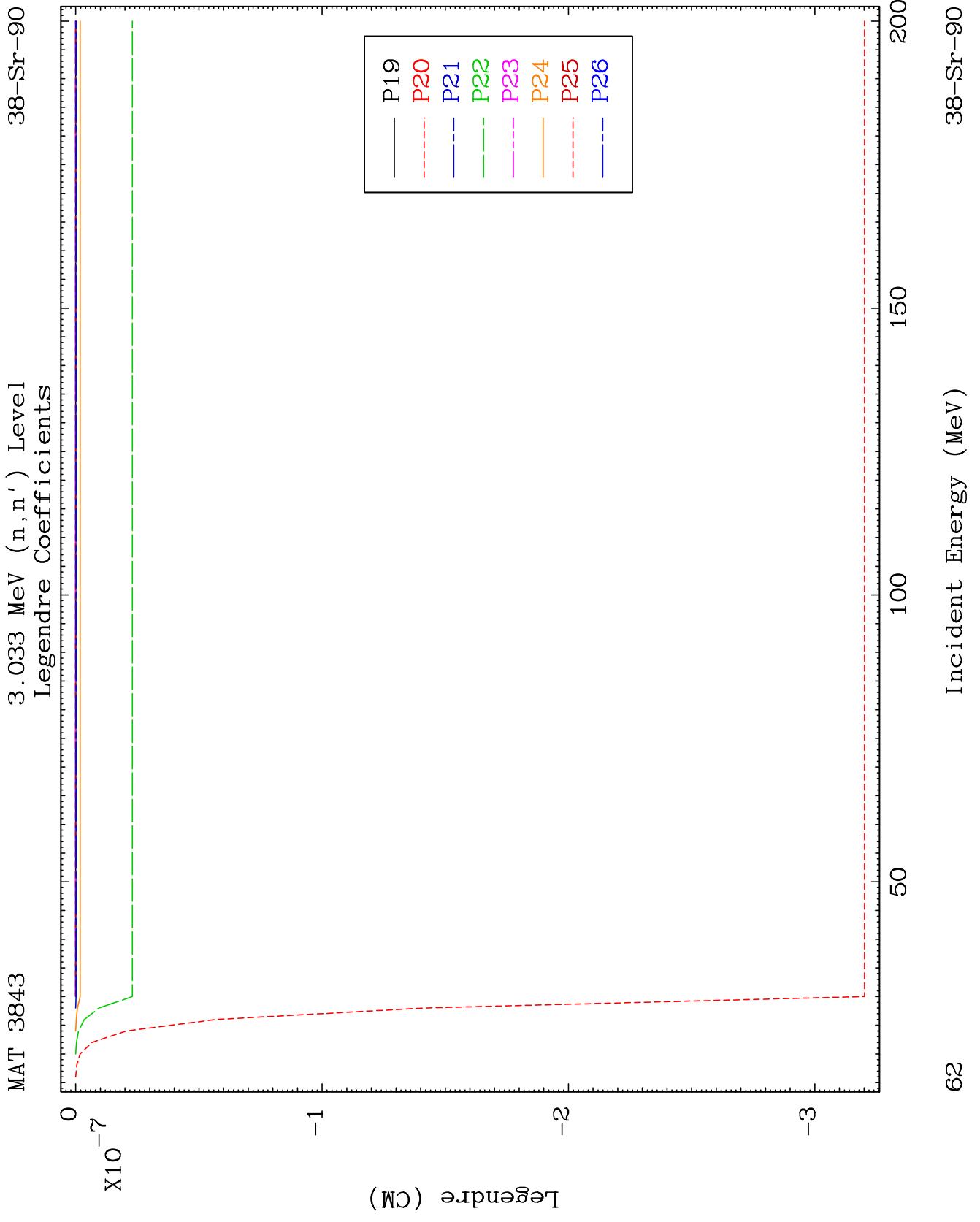


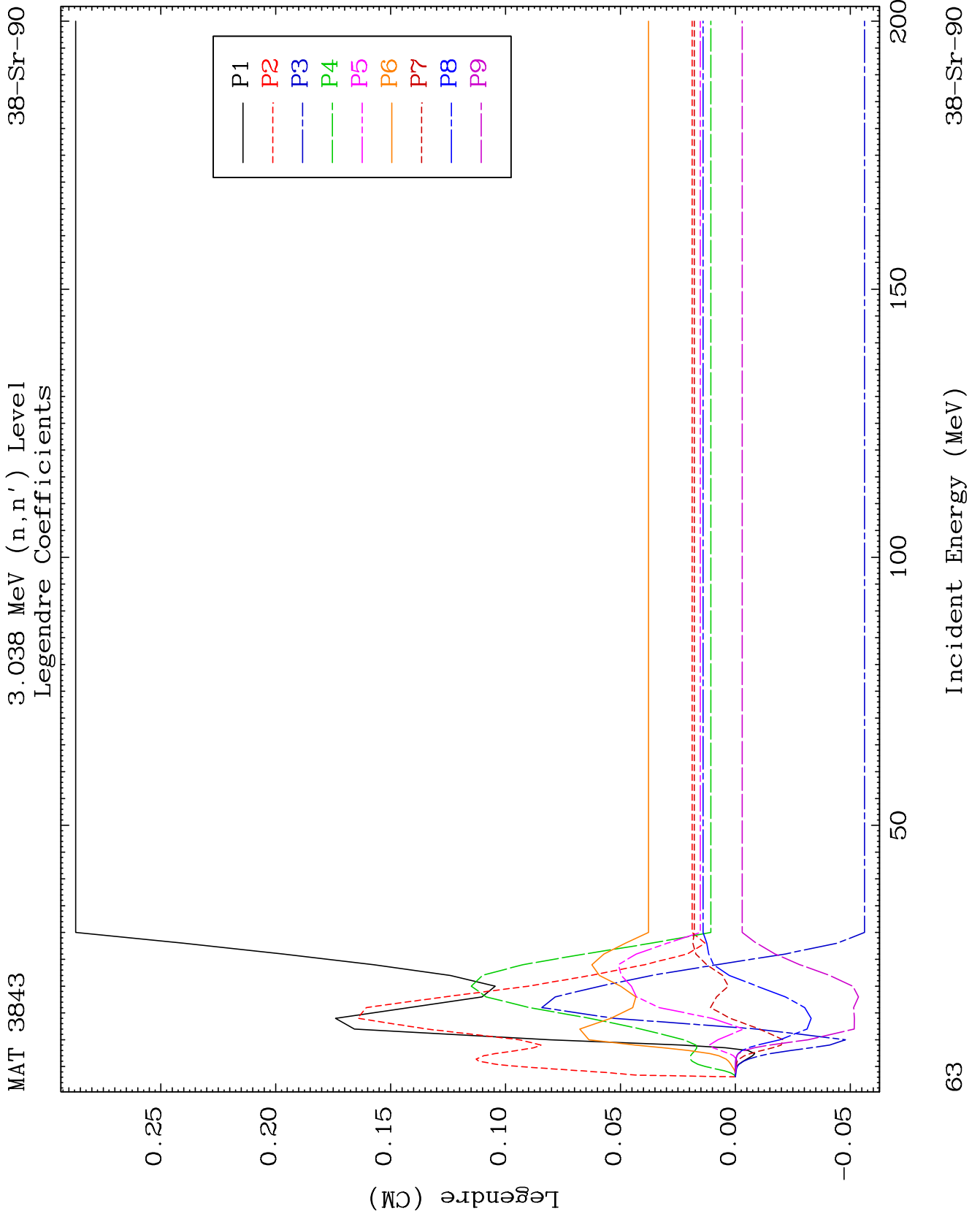
MAT 3843

3.033 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90





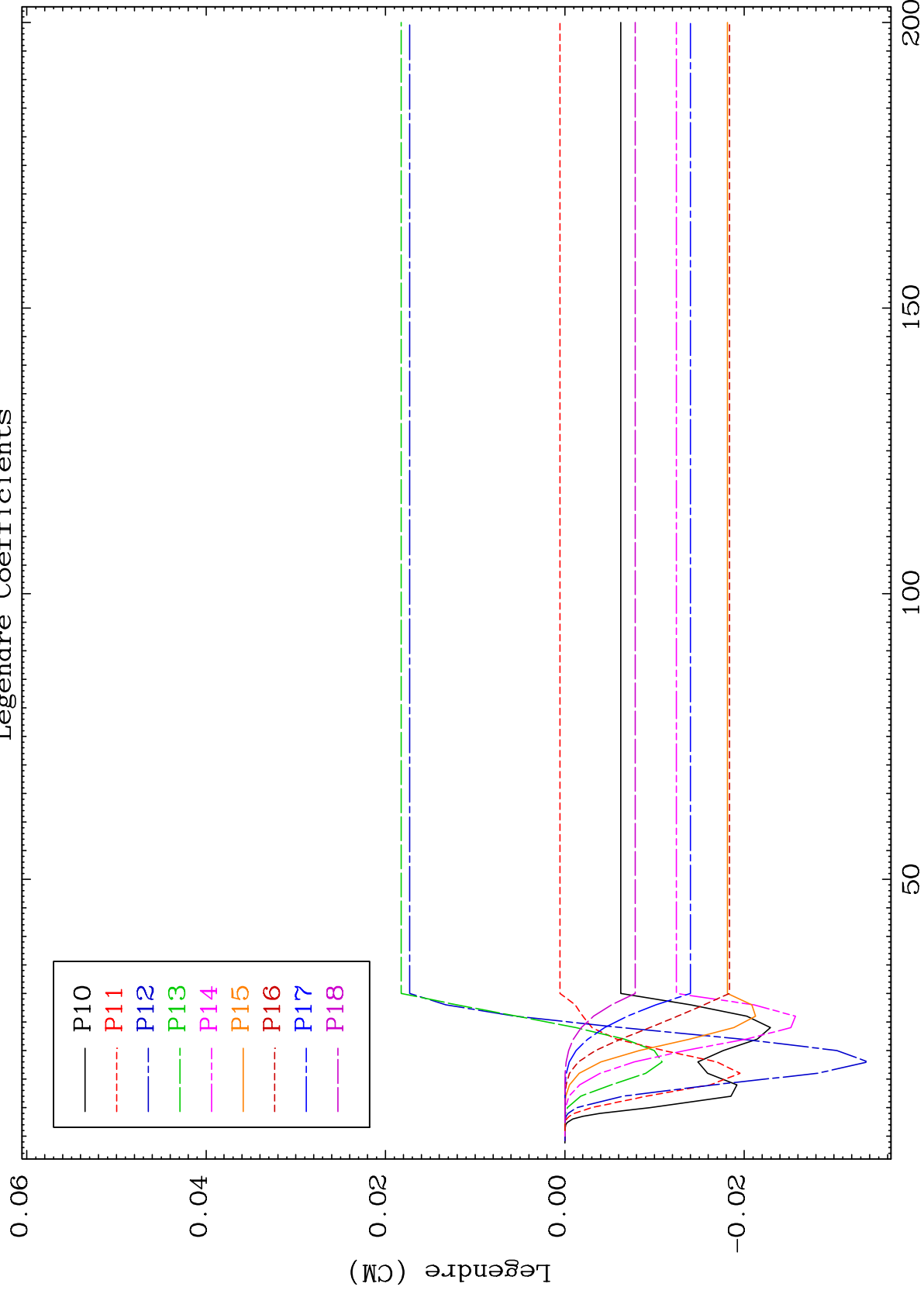




MAT 3843

3.038 MeV (n,n') Level  
Legendre Coefficients

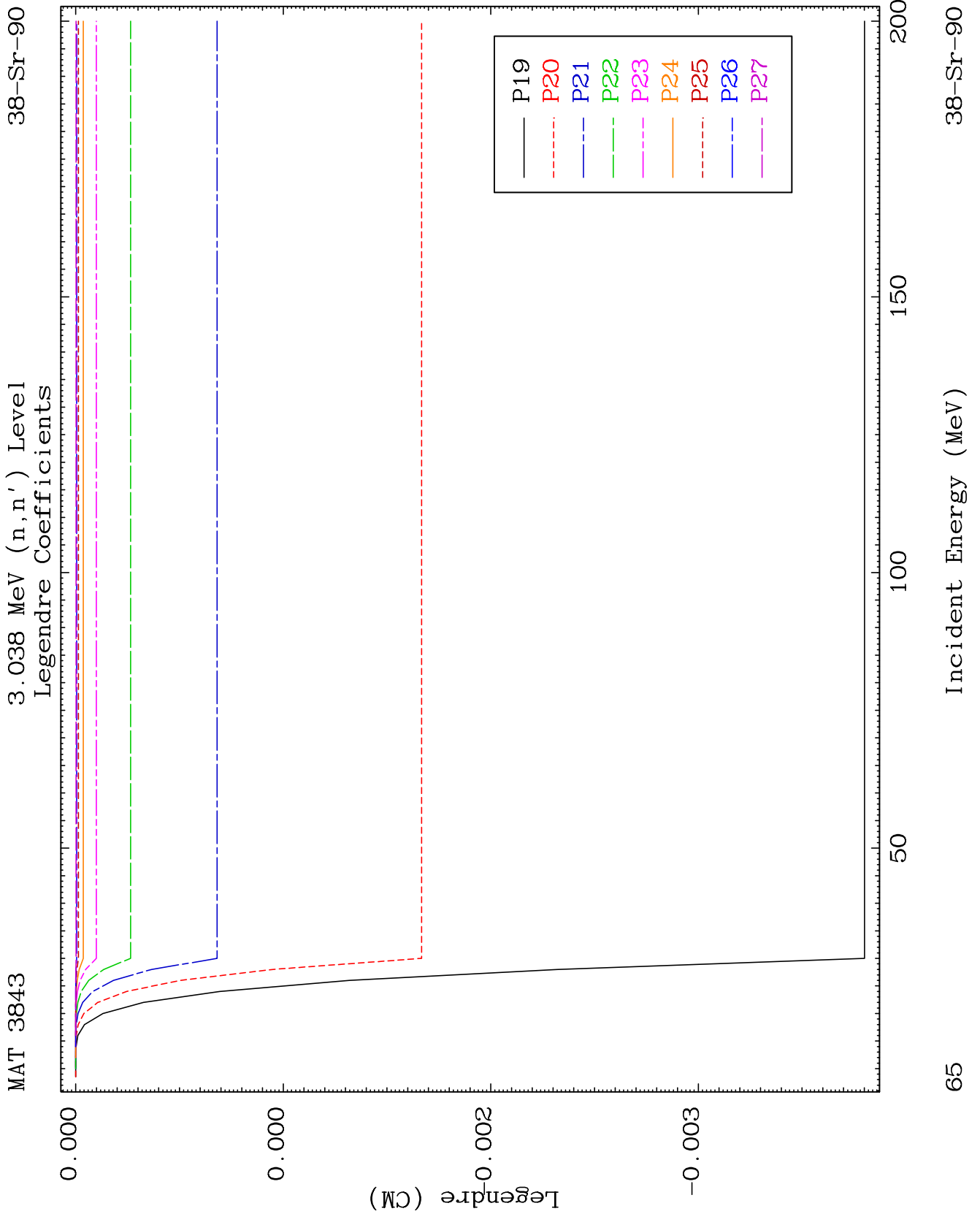
38-Sr-90

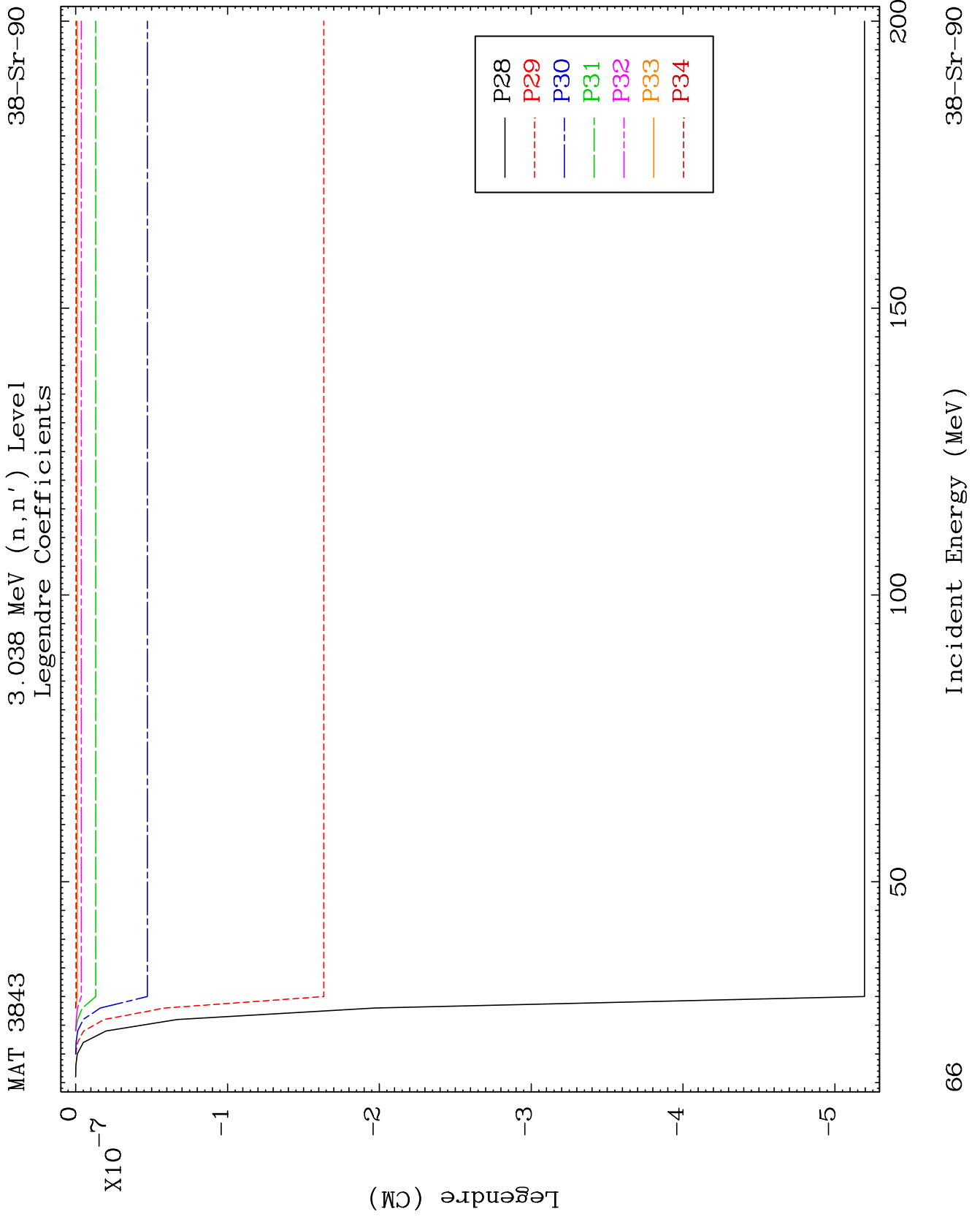


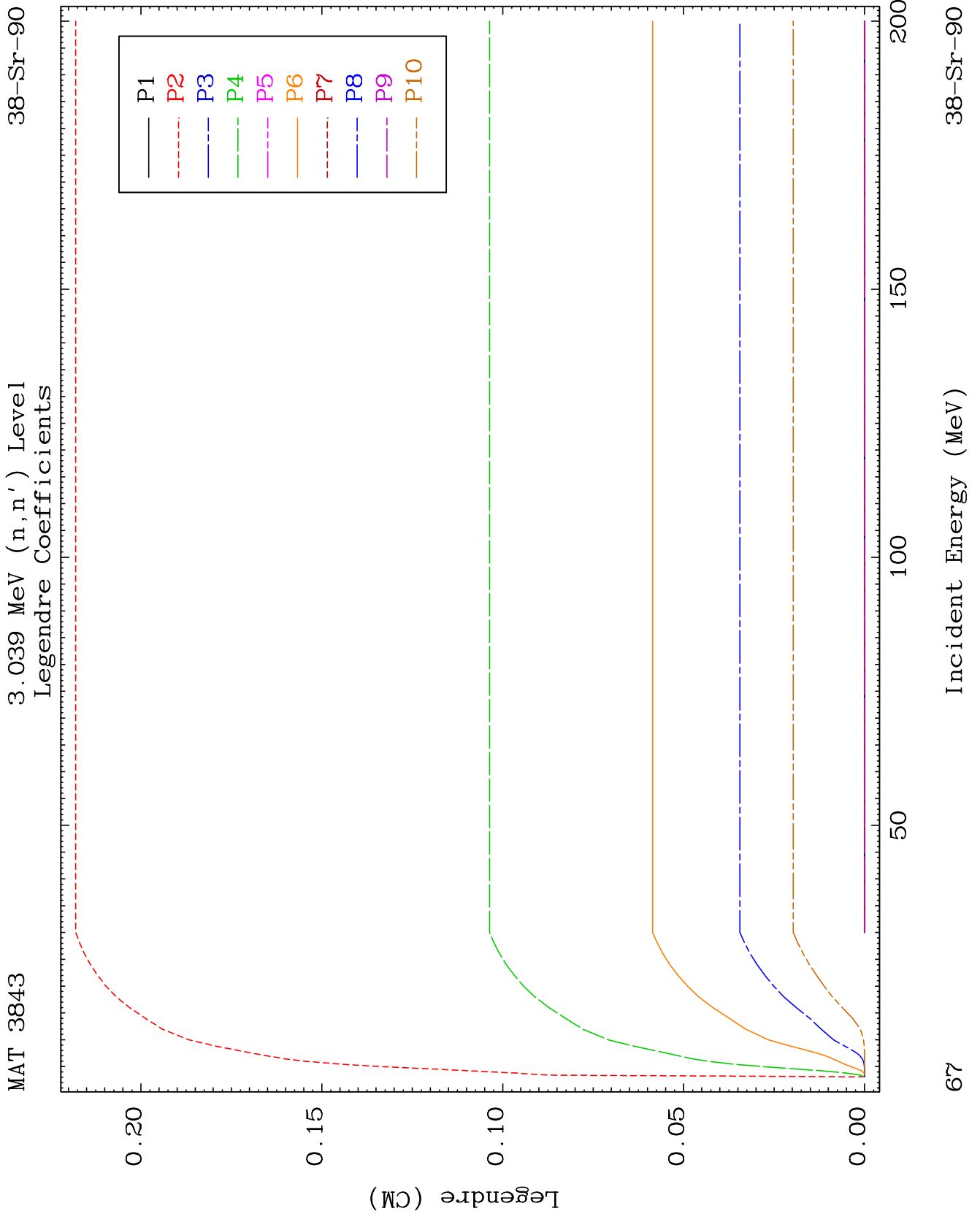
64

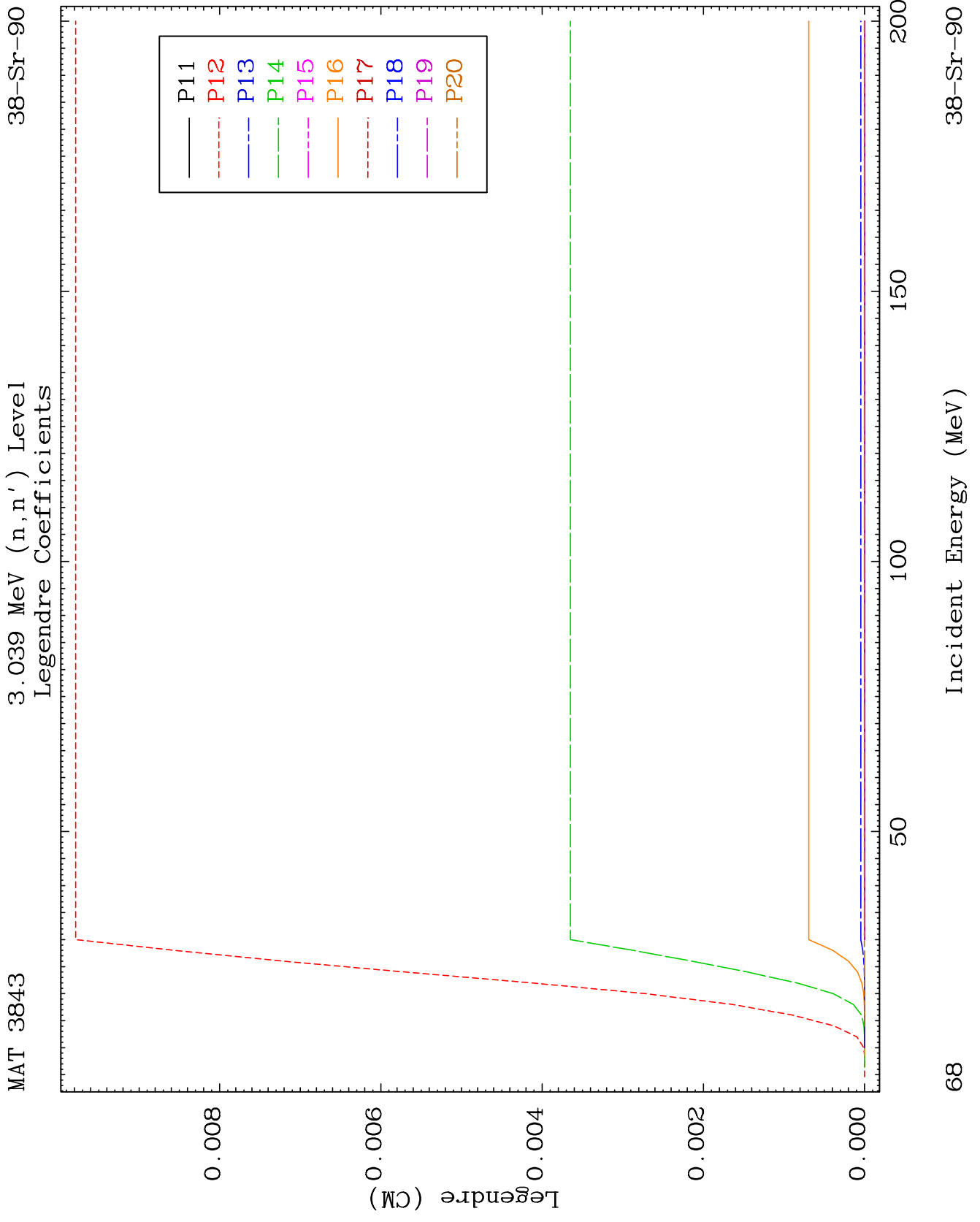
Incident Energy (MeV)

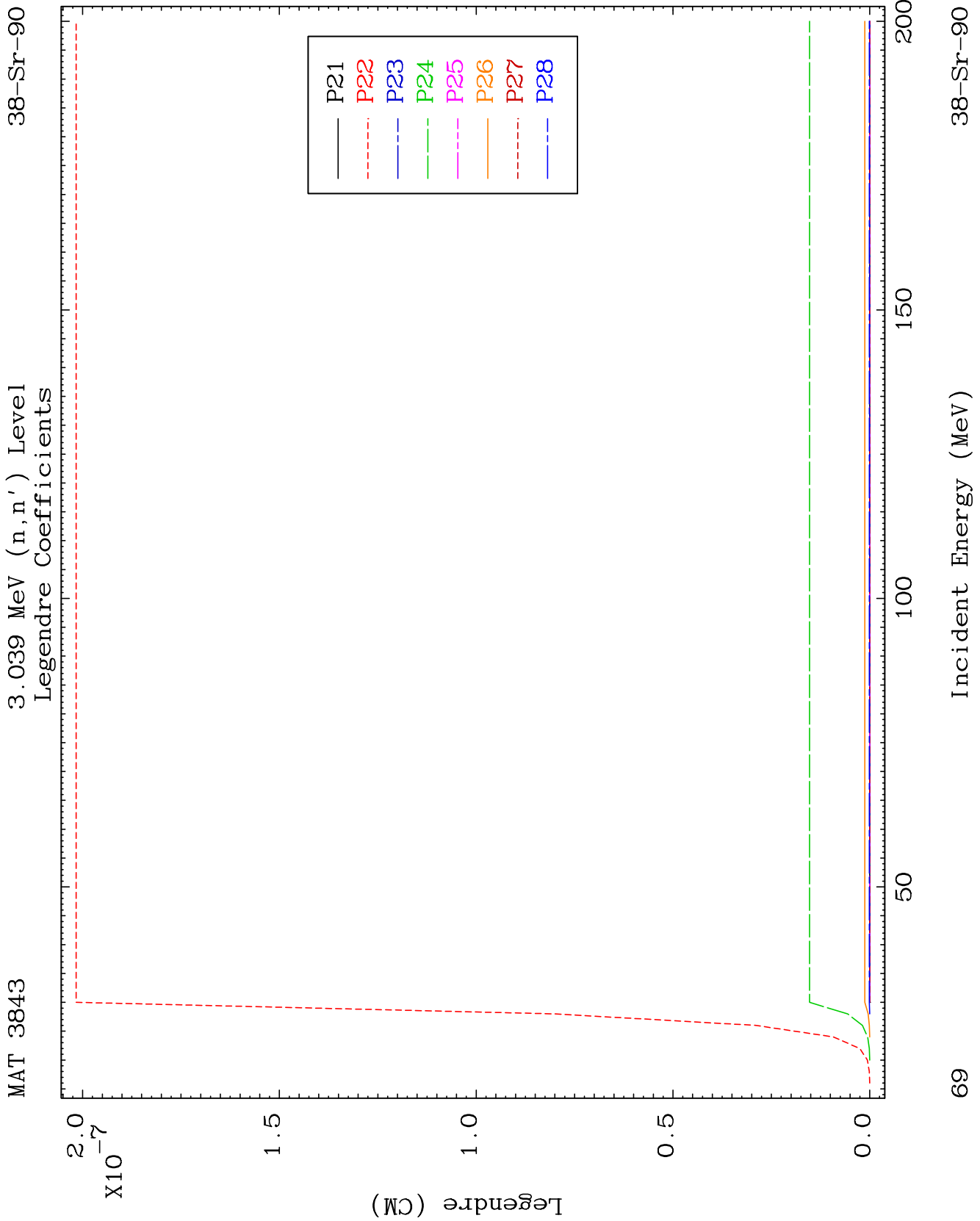
38-Sr-90

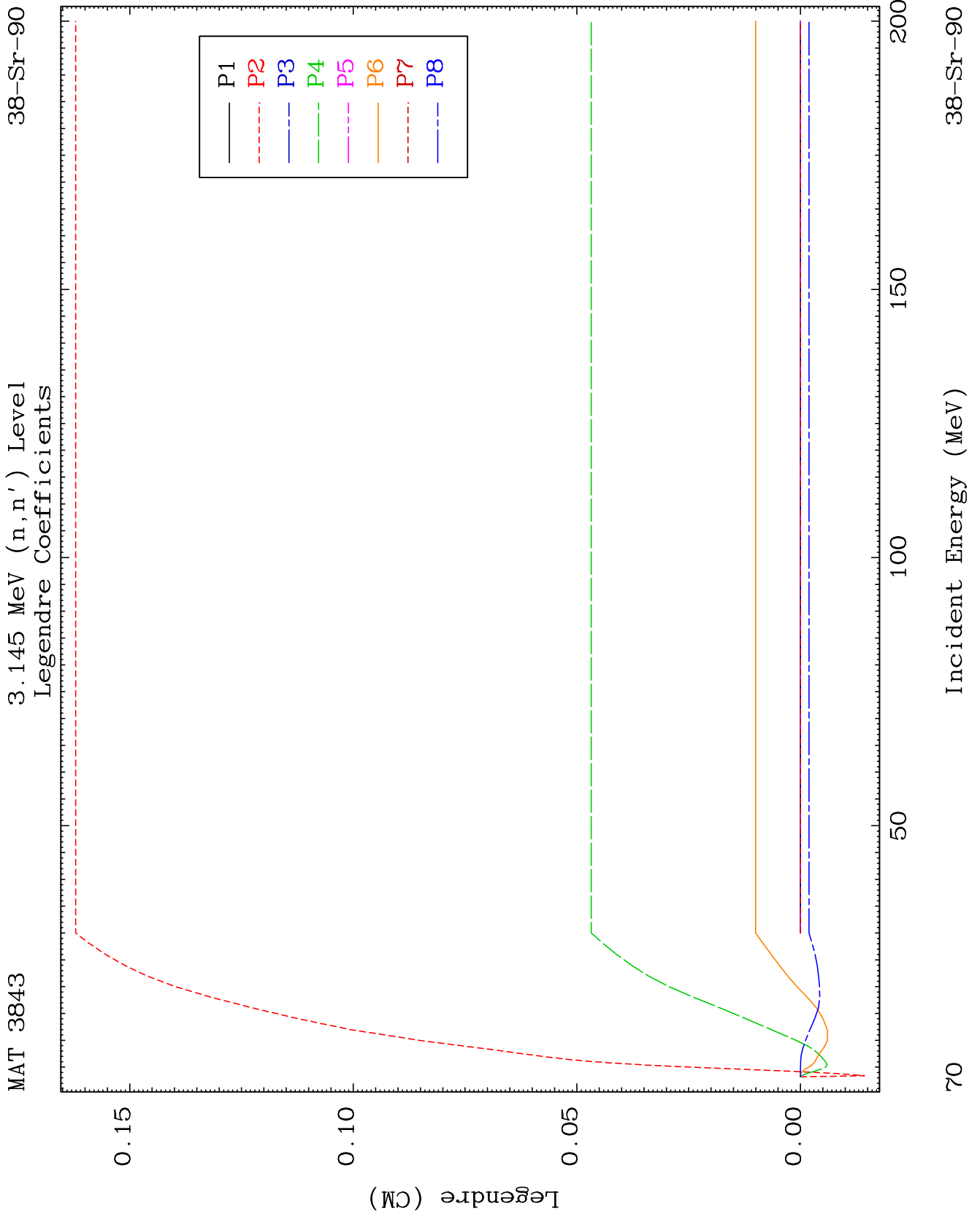


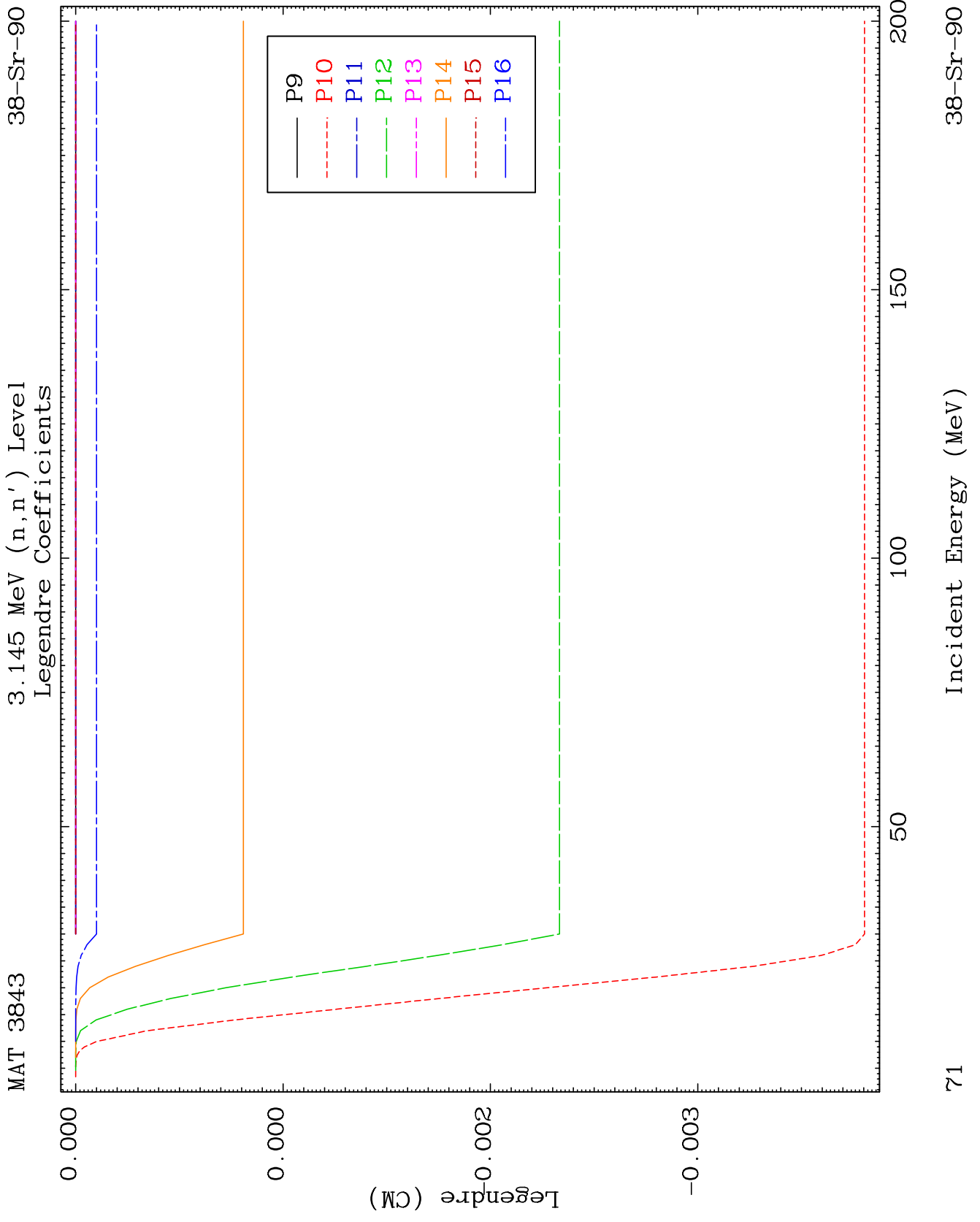




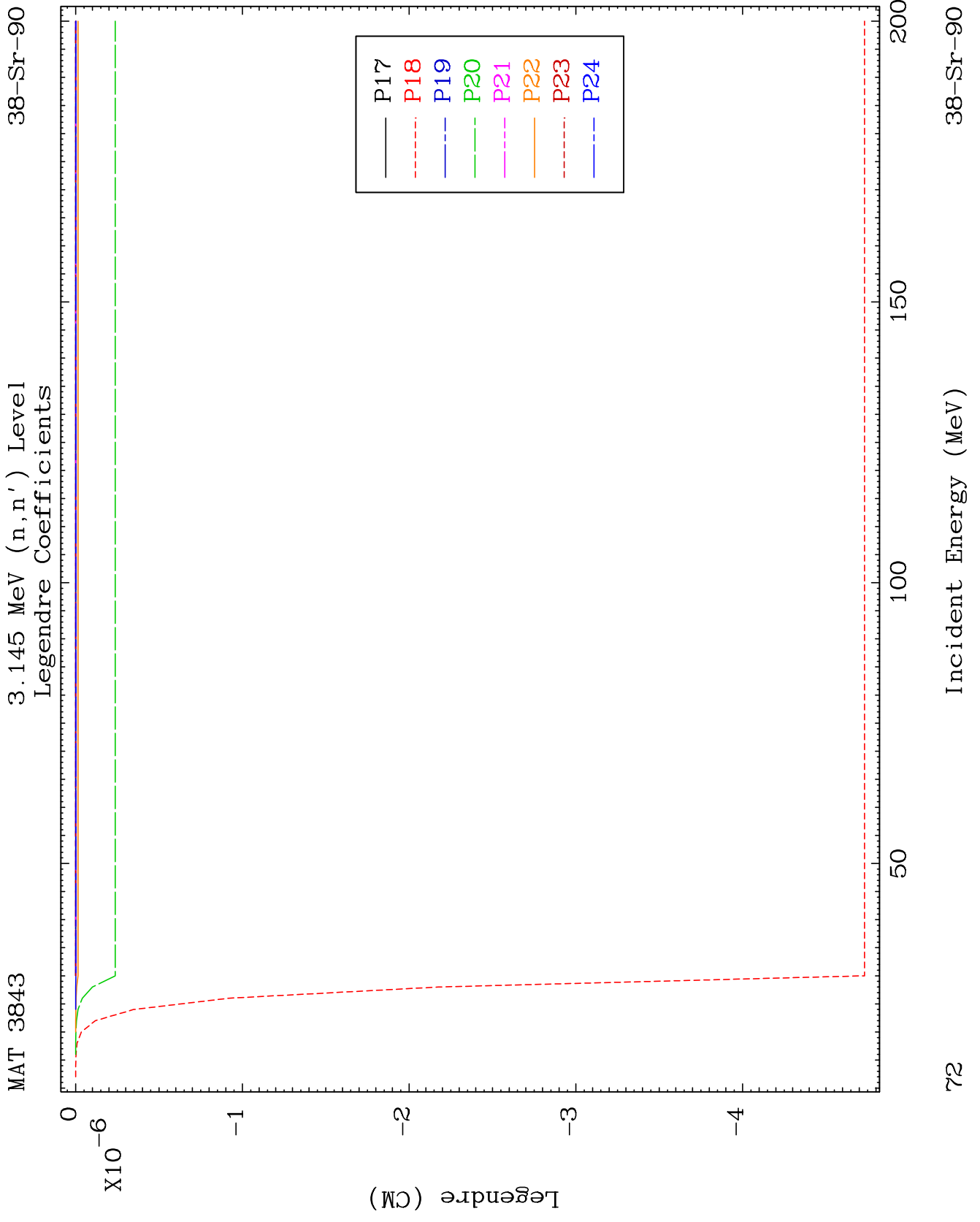








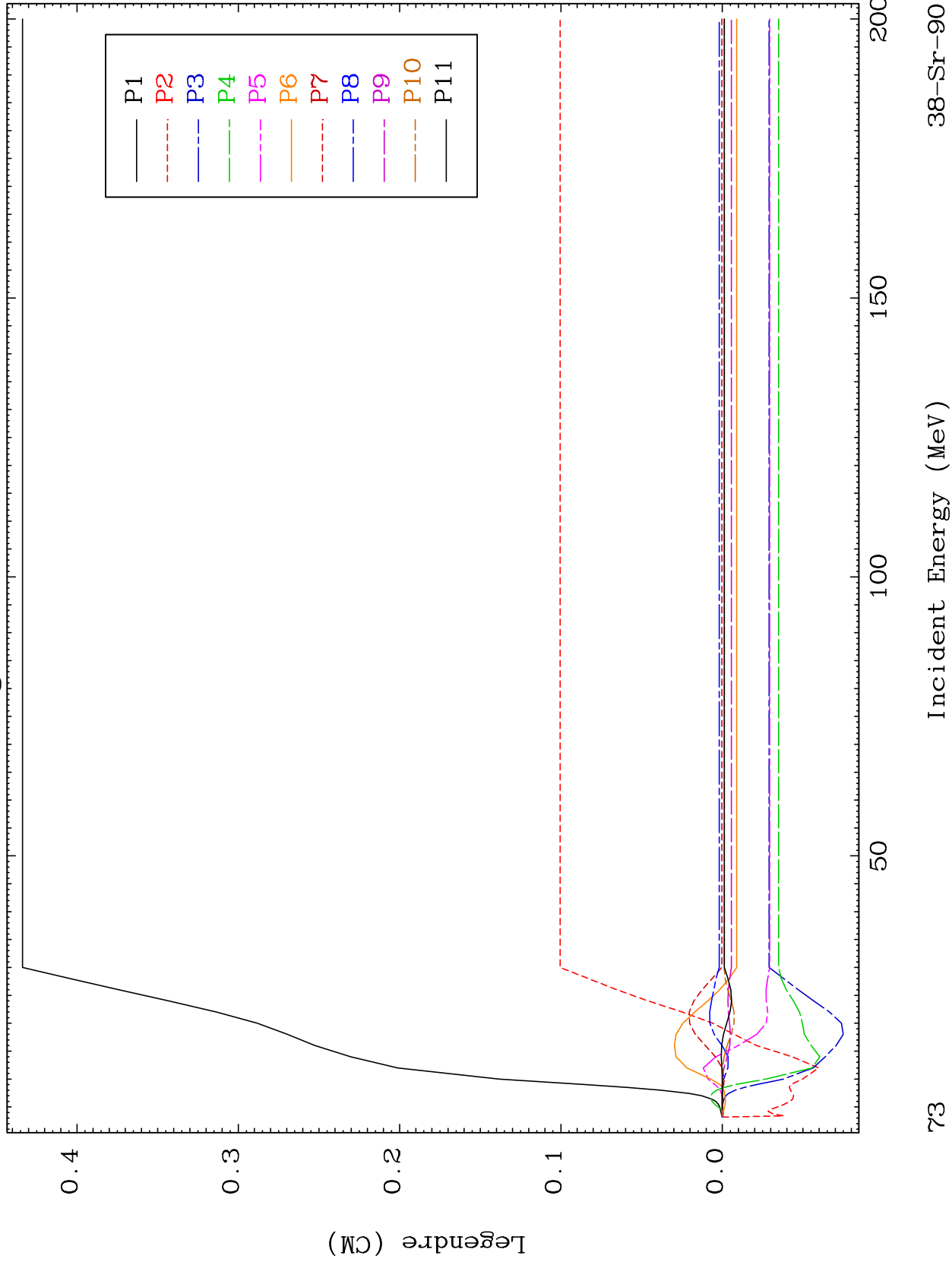




MAT 3843

3.146 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



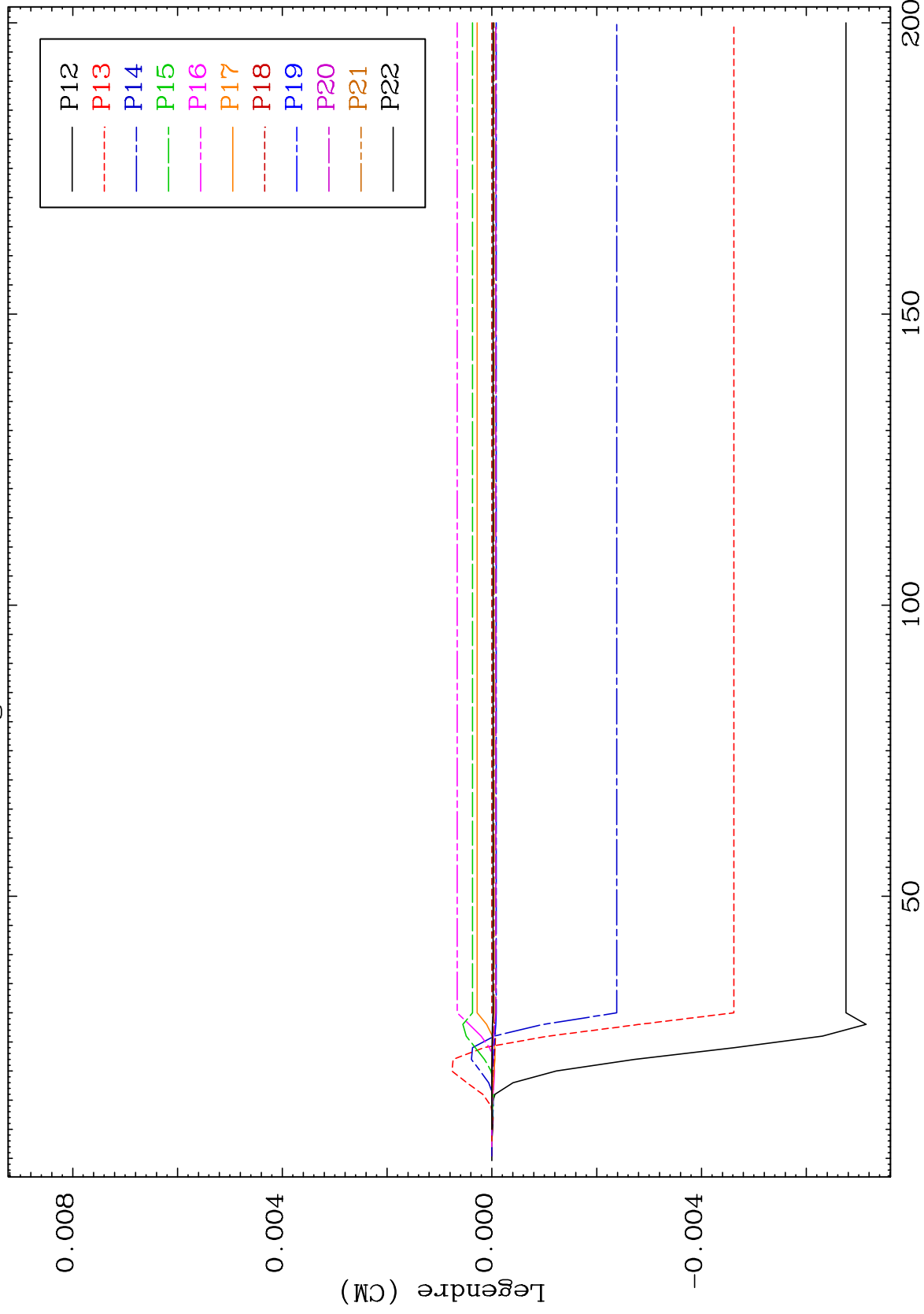
73

38-Sr-90

MAT 3843

3.146 MeV (n,n') Level  
Legendre Coefficients

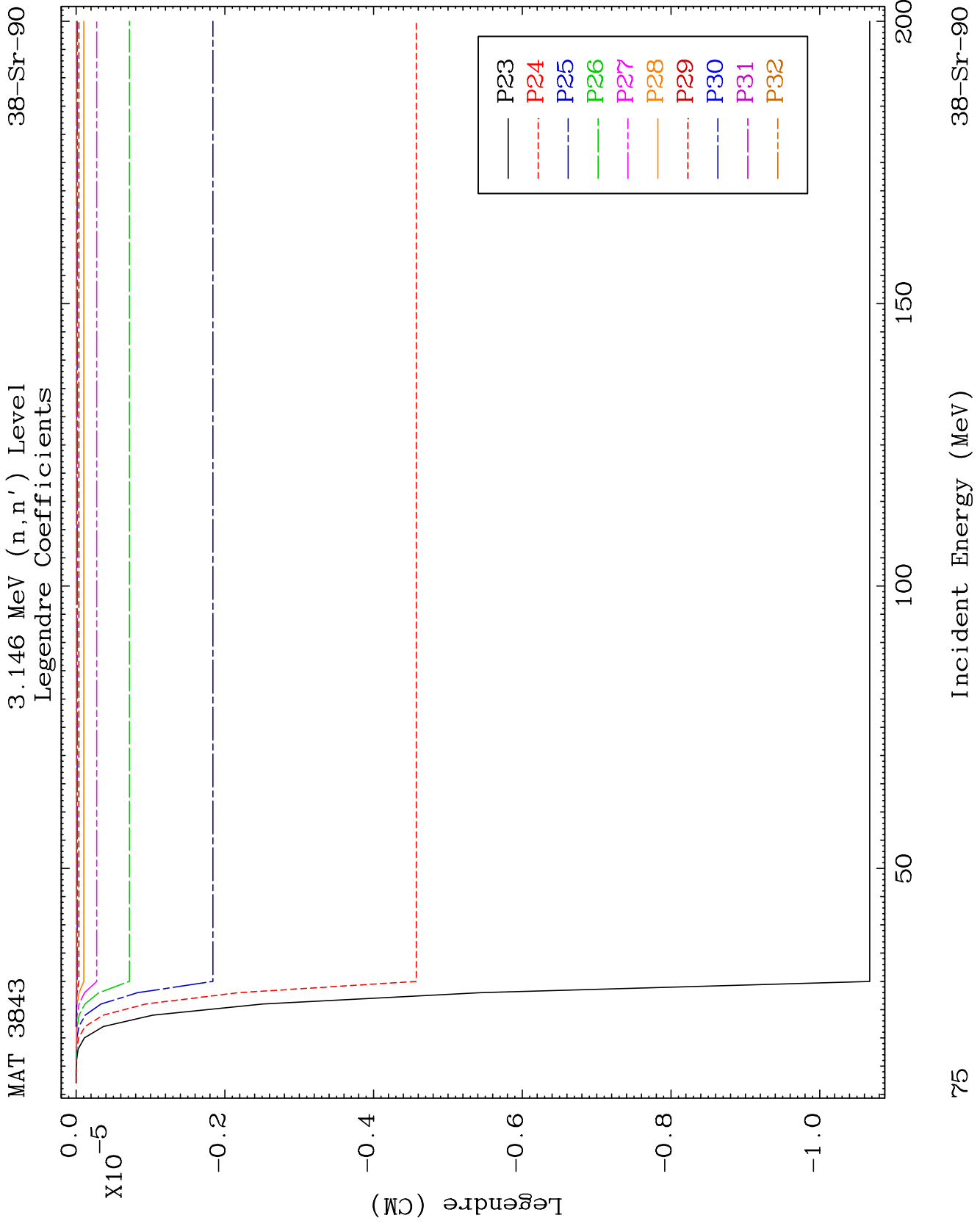
38-Sr-90



74

Incident Energy (MeV)

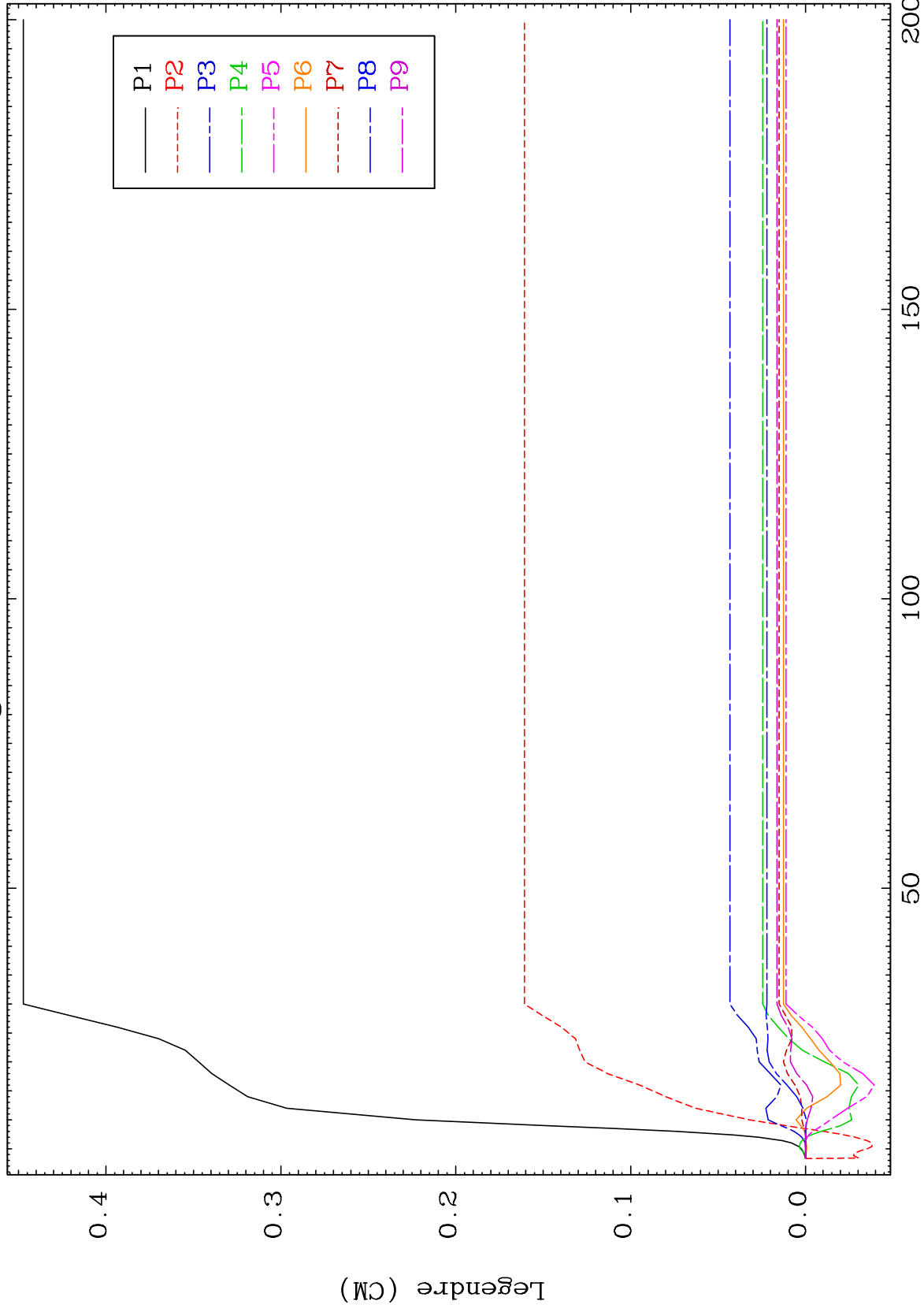
38-Sr-90



MAT 3843

3.268 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



76

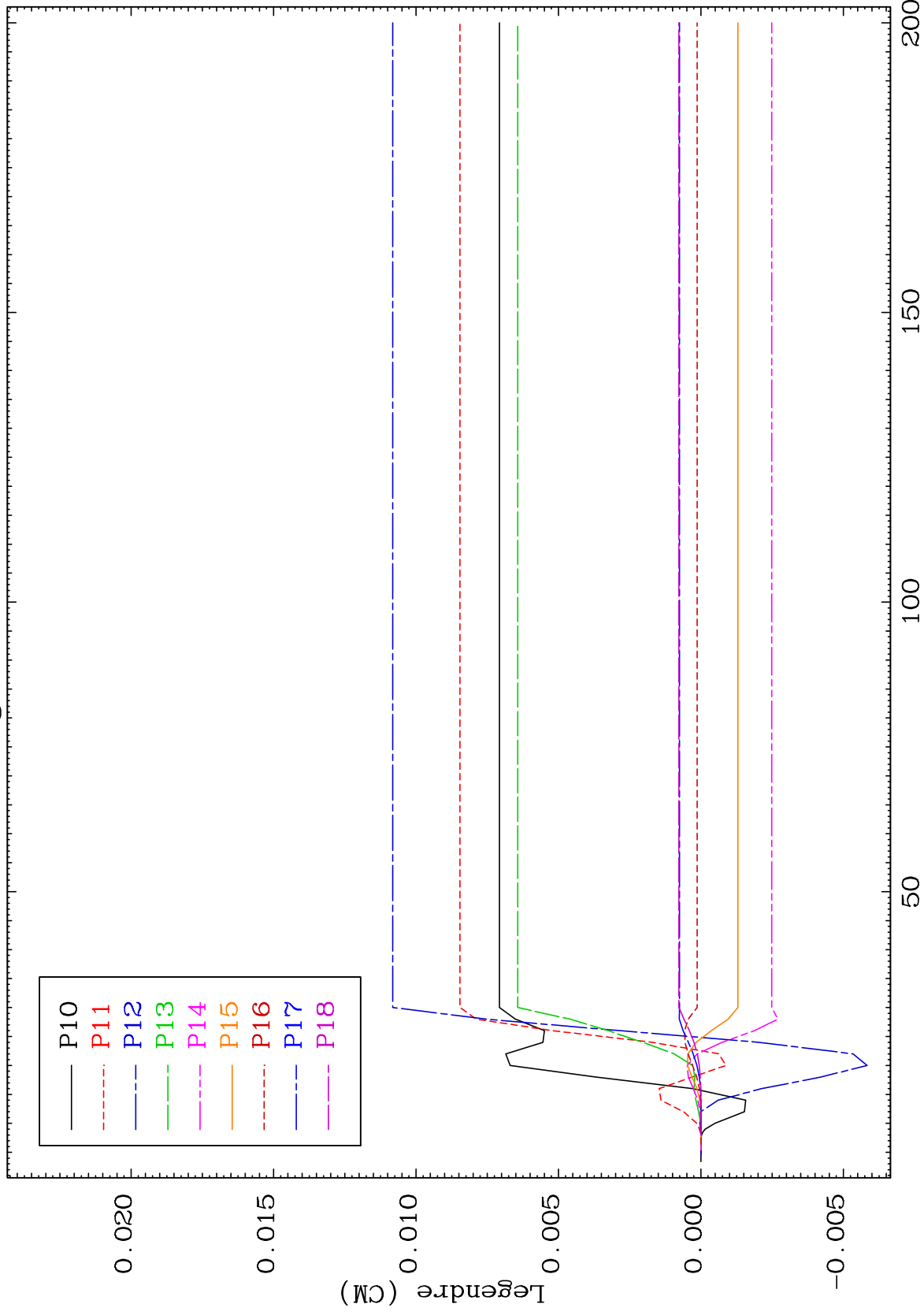
Incident Energy (MeV)

38-Sr-90

MAT 3843

3.268 MeV (n,n') Level  
Legendre Coefficients

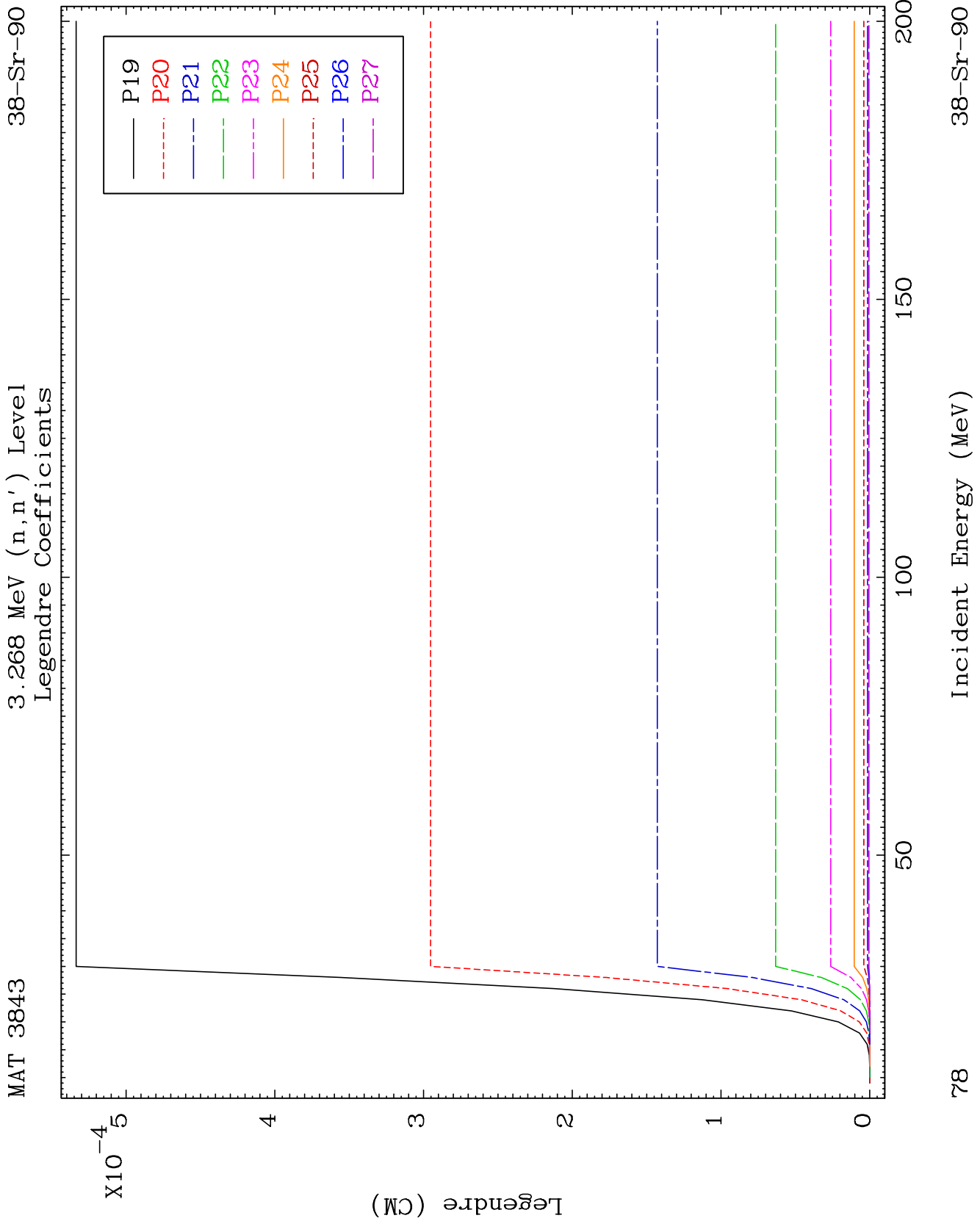
38-Sr-90



77

Incident Energy (MeV)

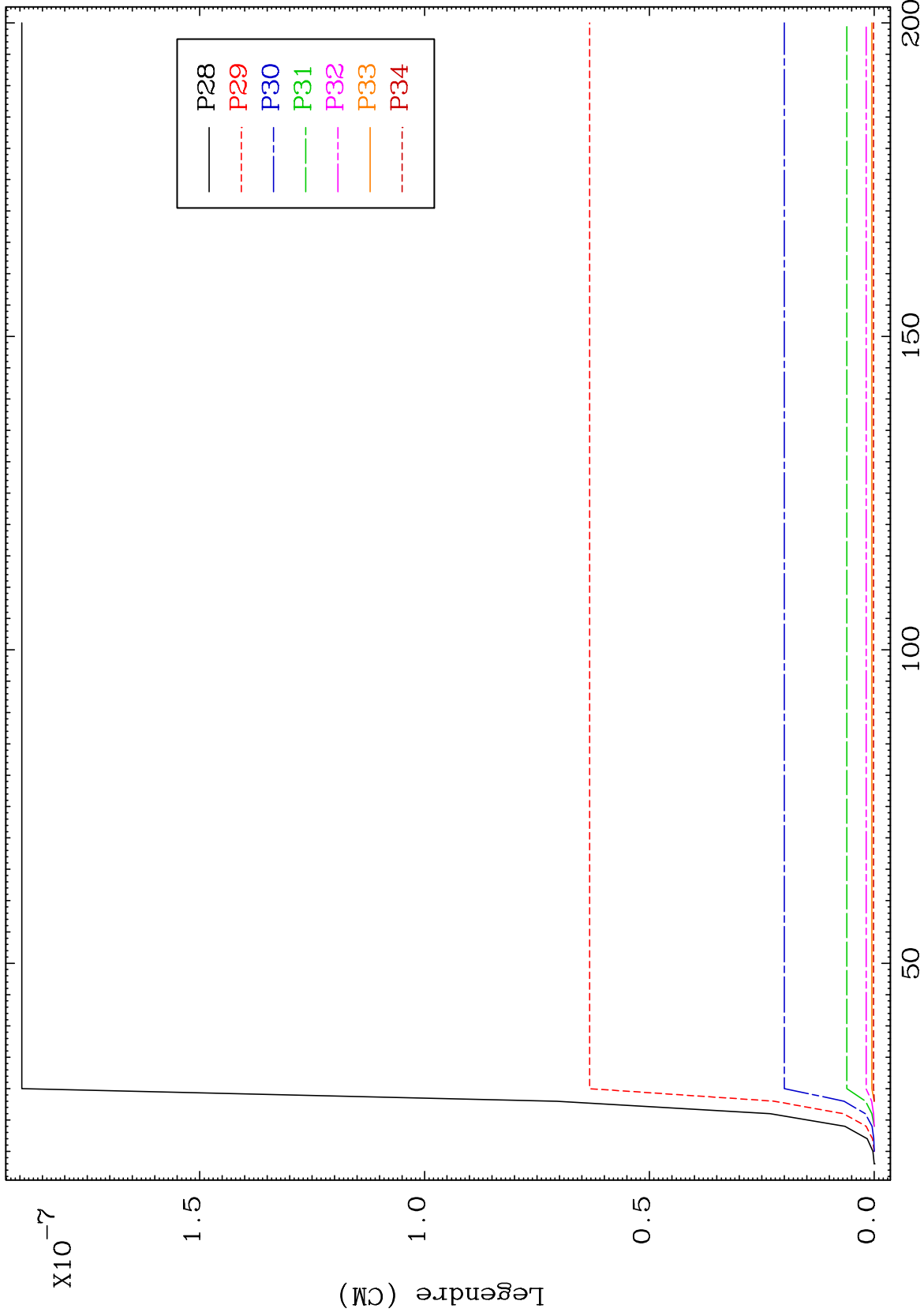
38-Sr-90



MAT 3843

3.268 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90

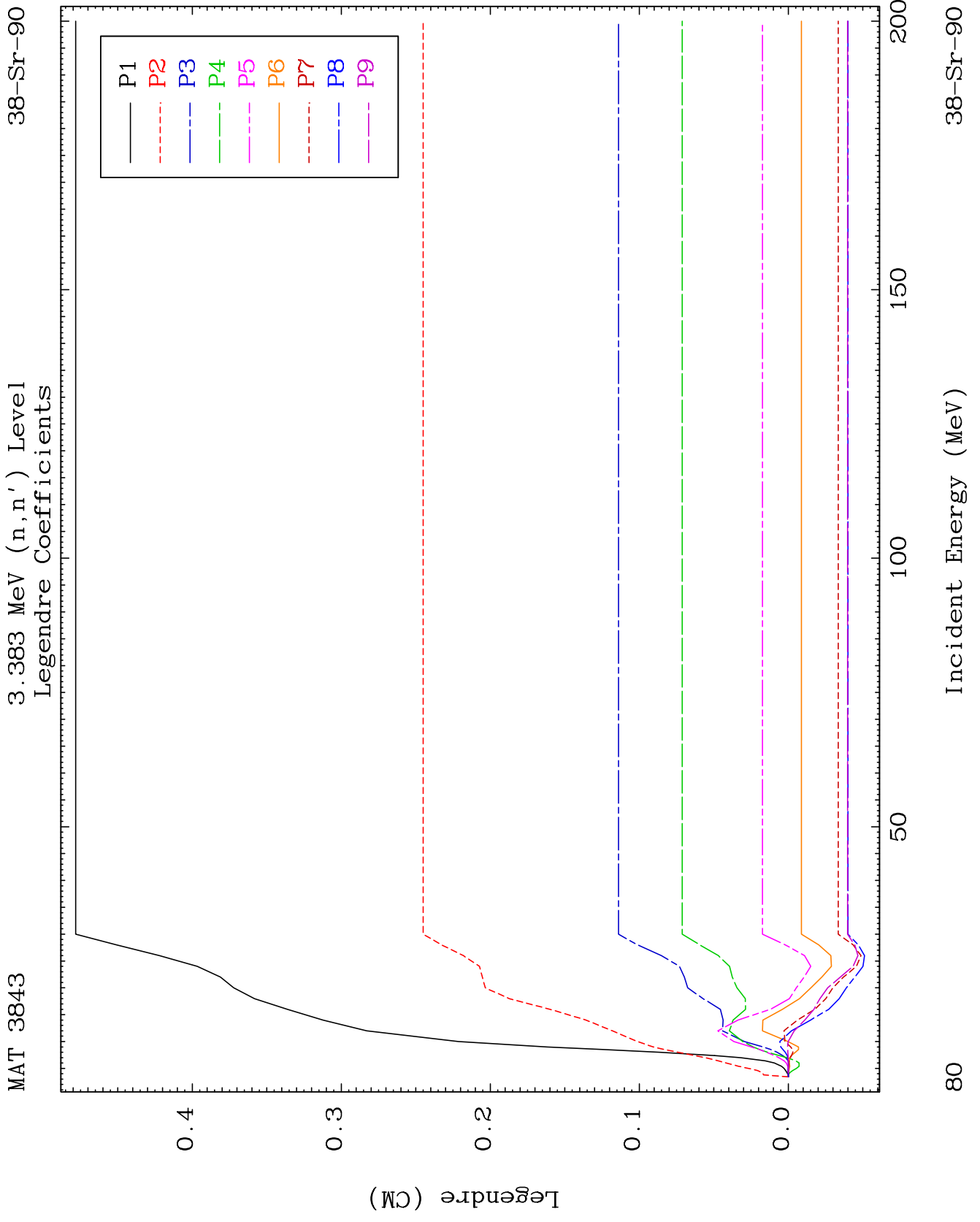


79

Incident Energy (MeV)

38-Sr-90

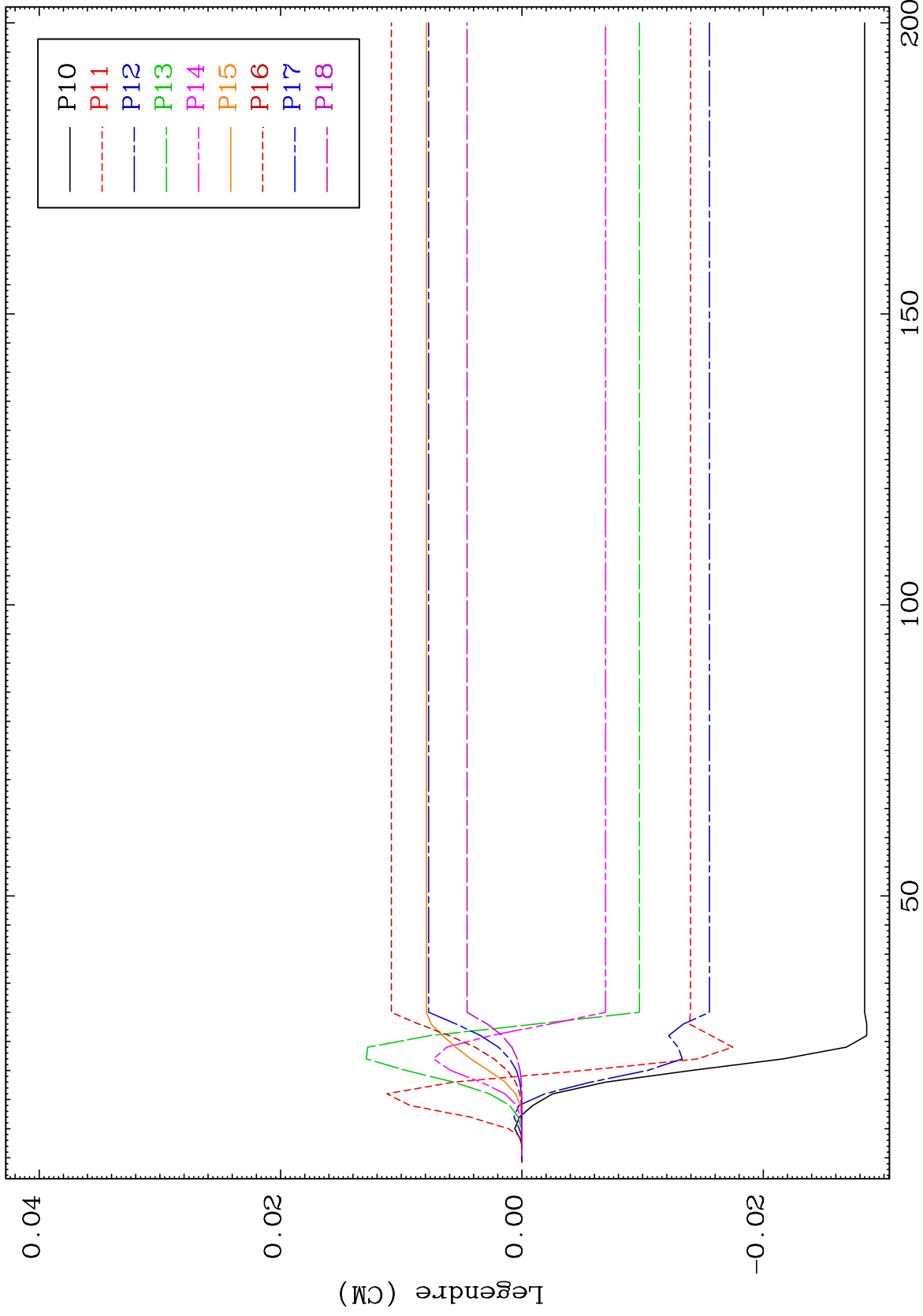




MAT 3843

3.383 MeV (n,n') Level  
Legendre Coefficients

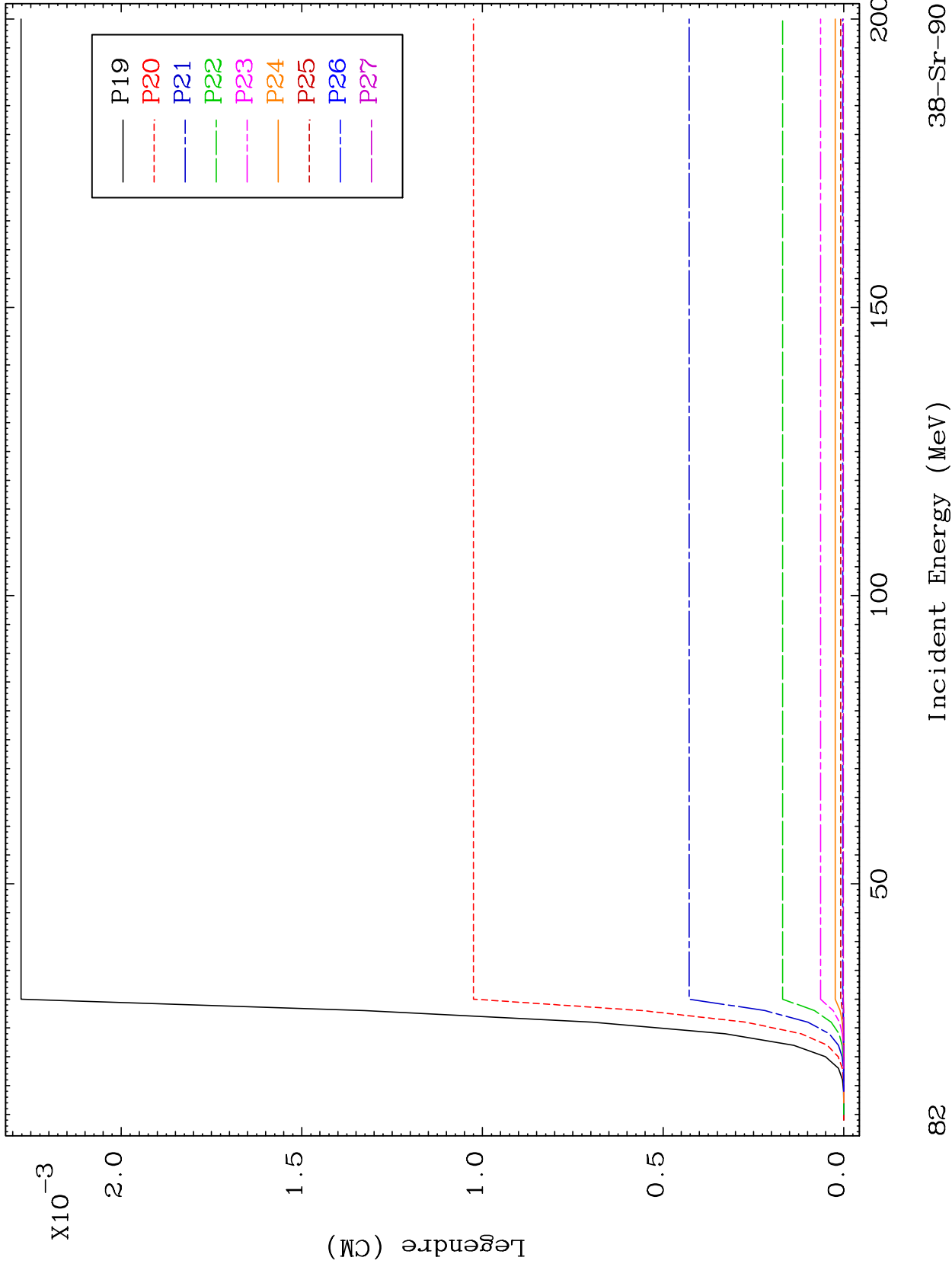
38-Sr-90



MAT 3843

3.383 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



82

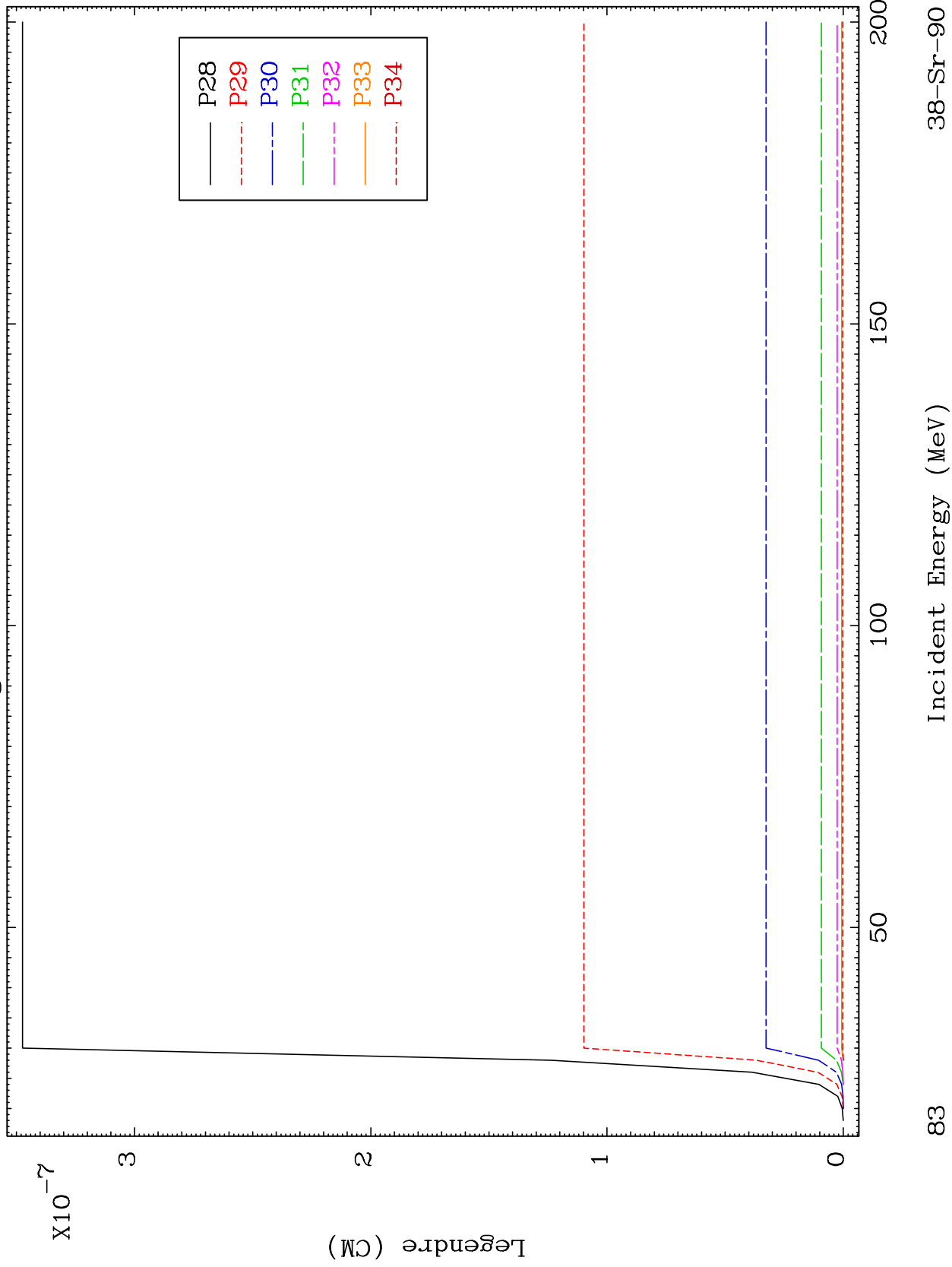
Incident Energy (MeV)

38-Sr-90

MAT 3843

3.383 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



83

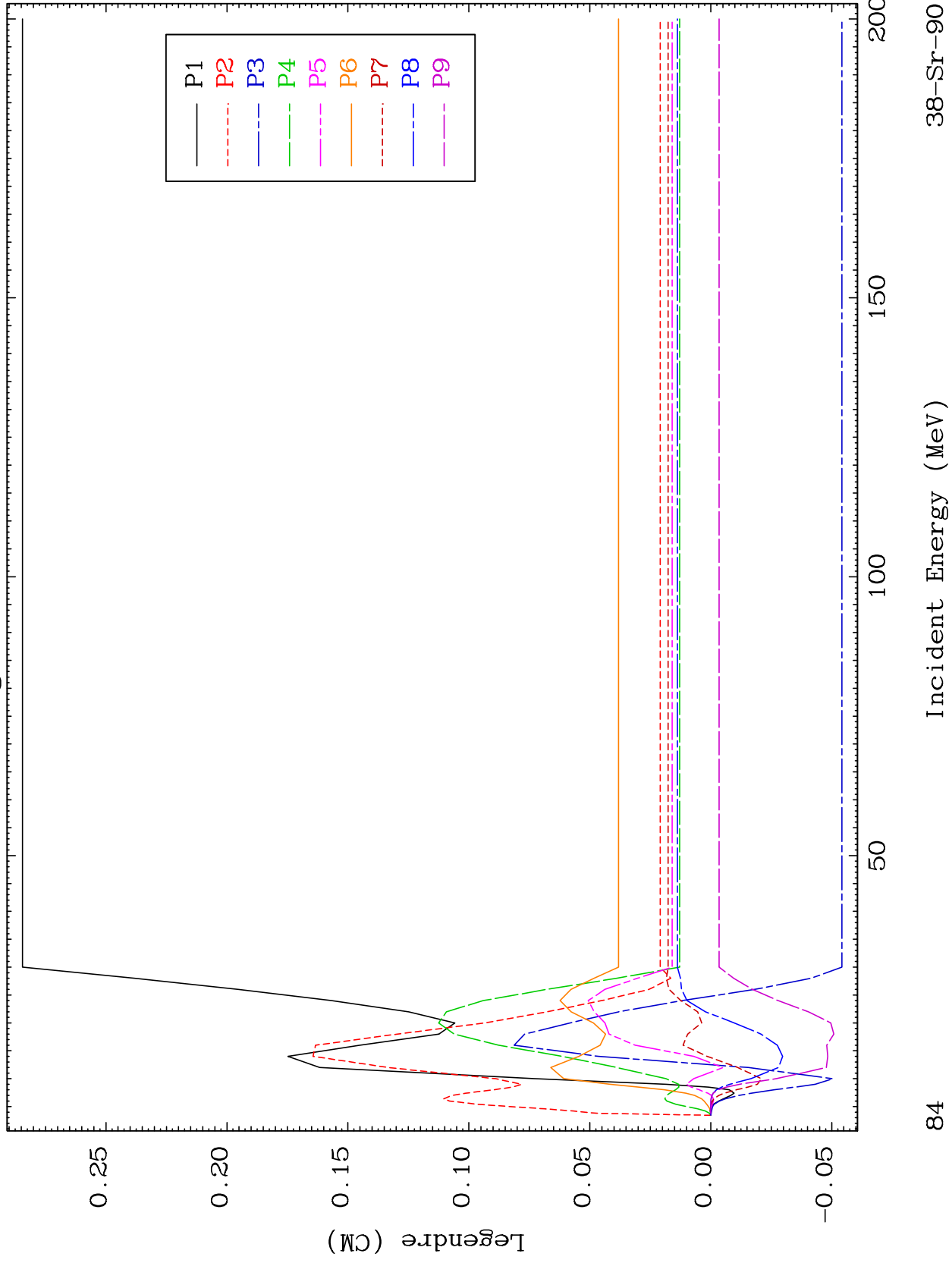
Incident Energy (MeV)

38-Sr-90

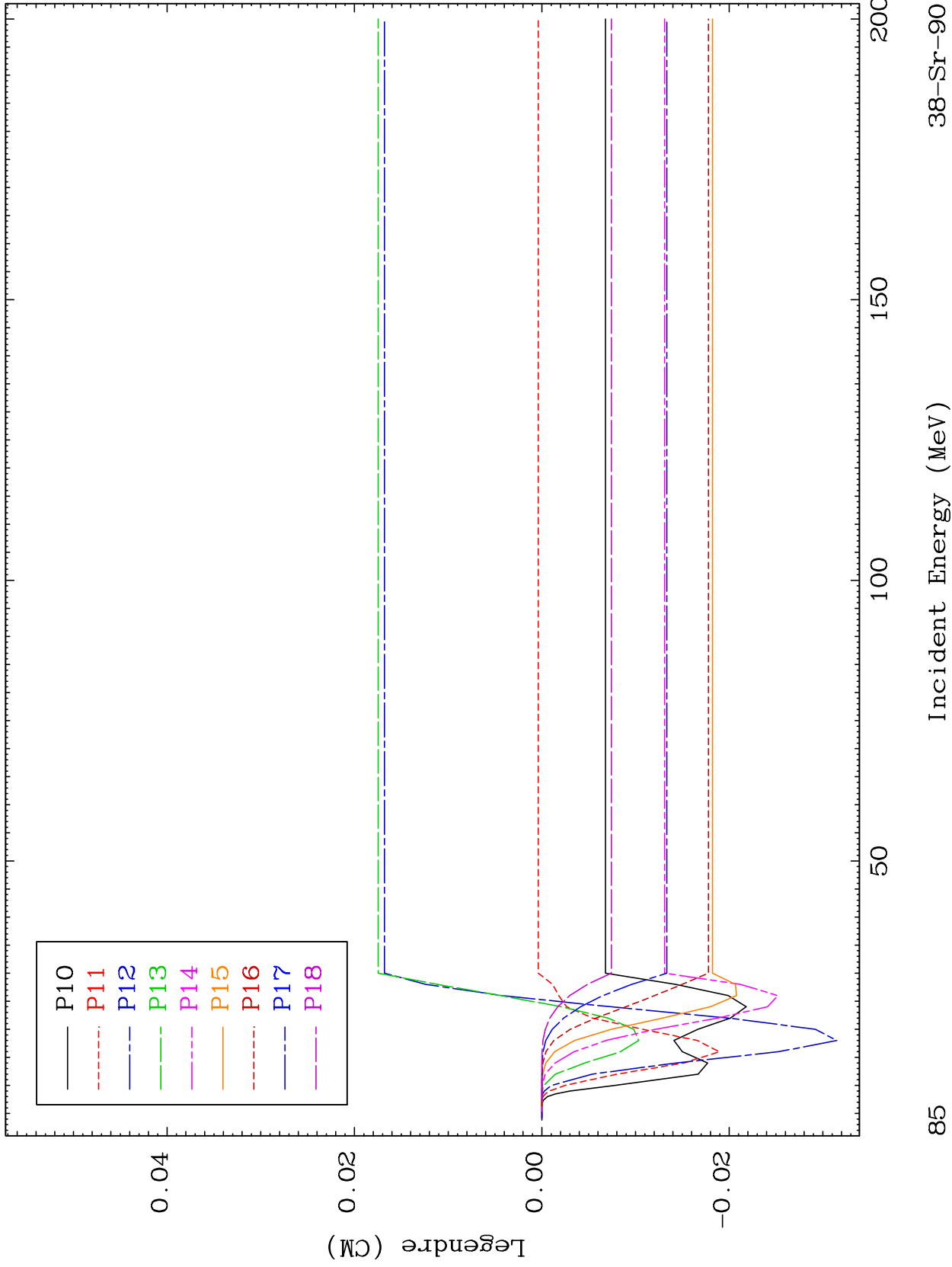
MAT 3843

3.394 MeV (n,n') Level  
Legendre Coefficients

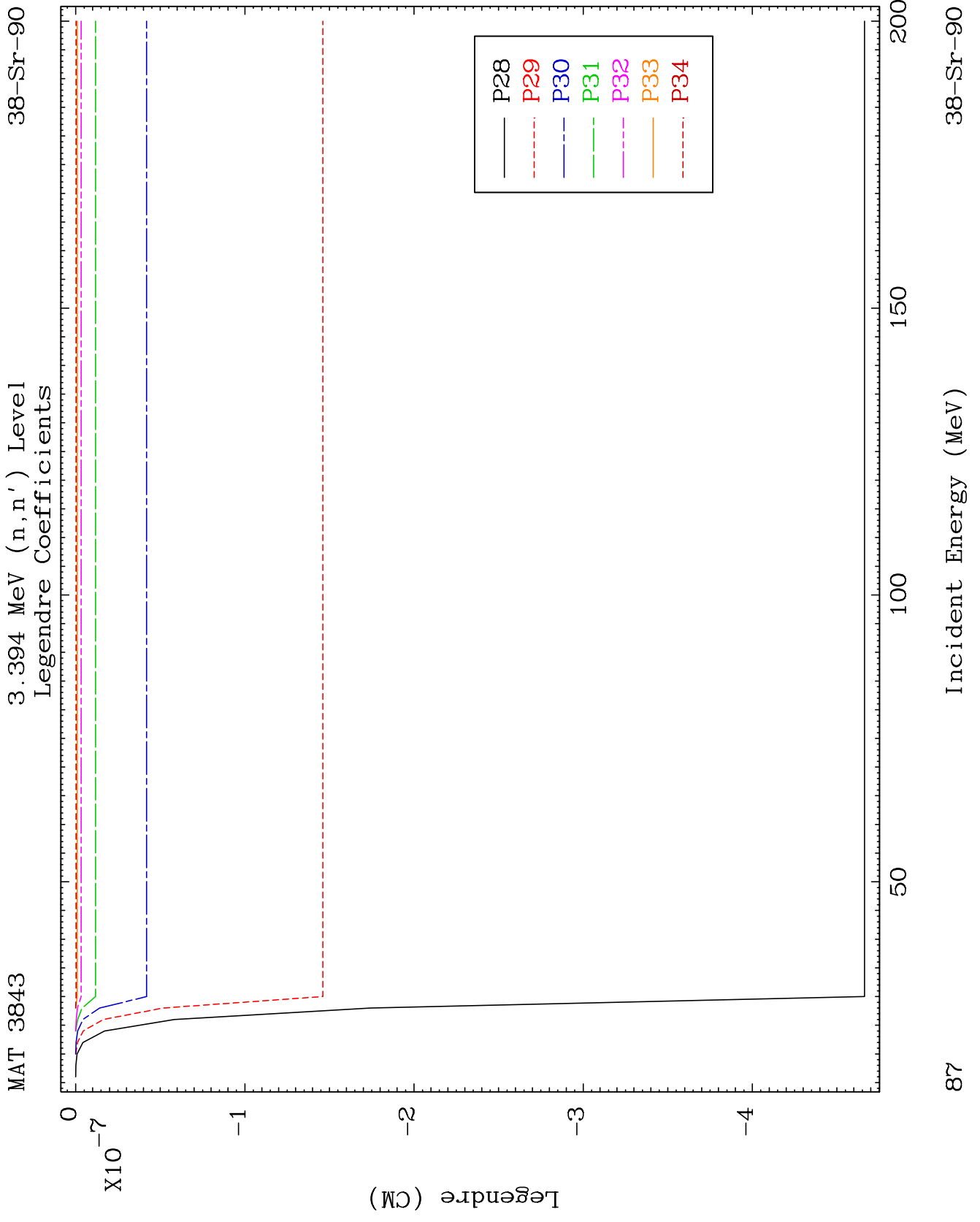
38-Sr-90



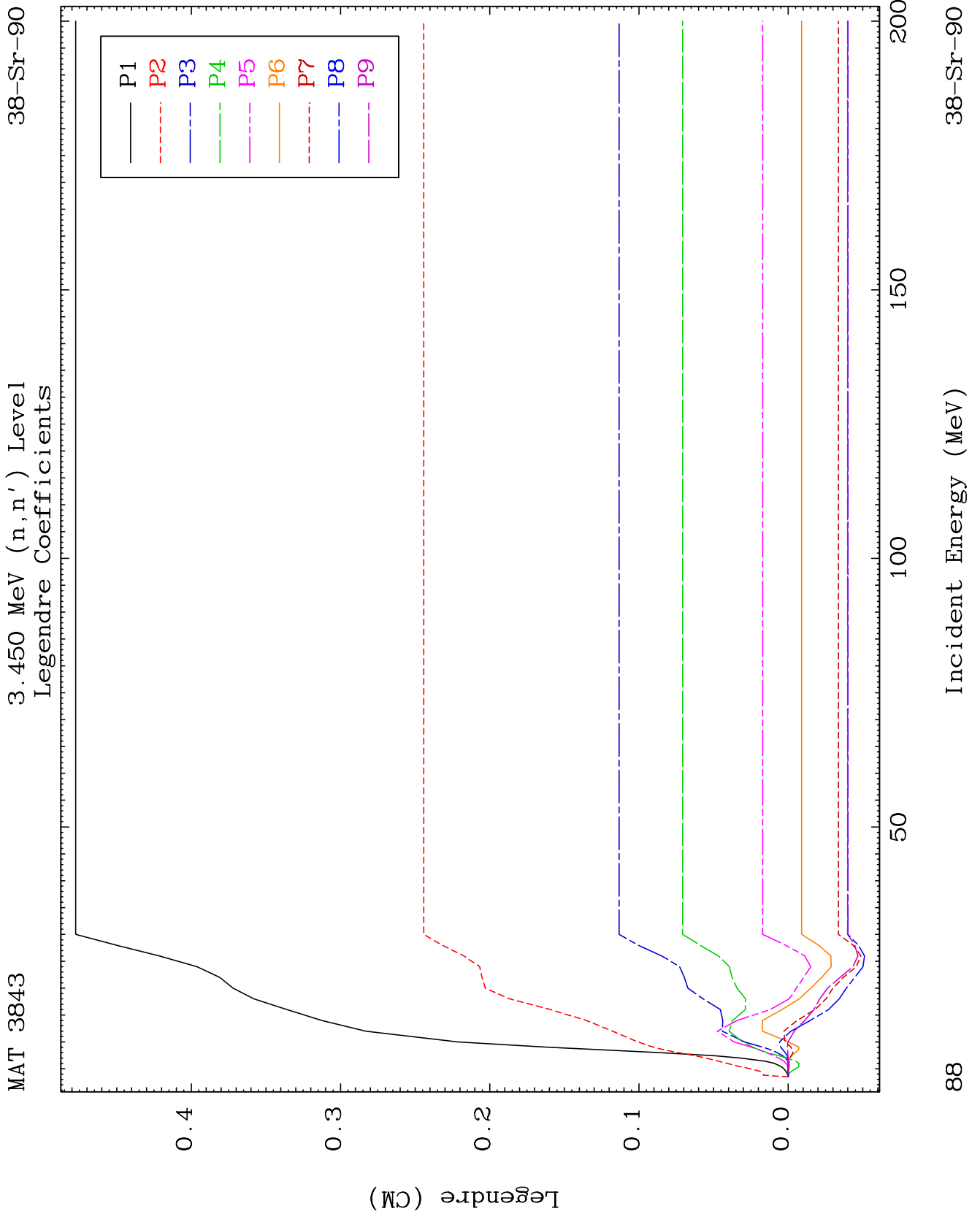
84







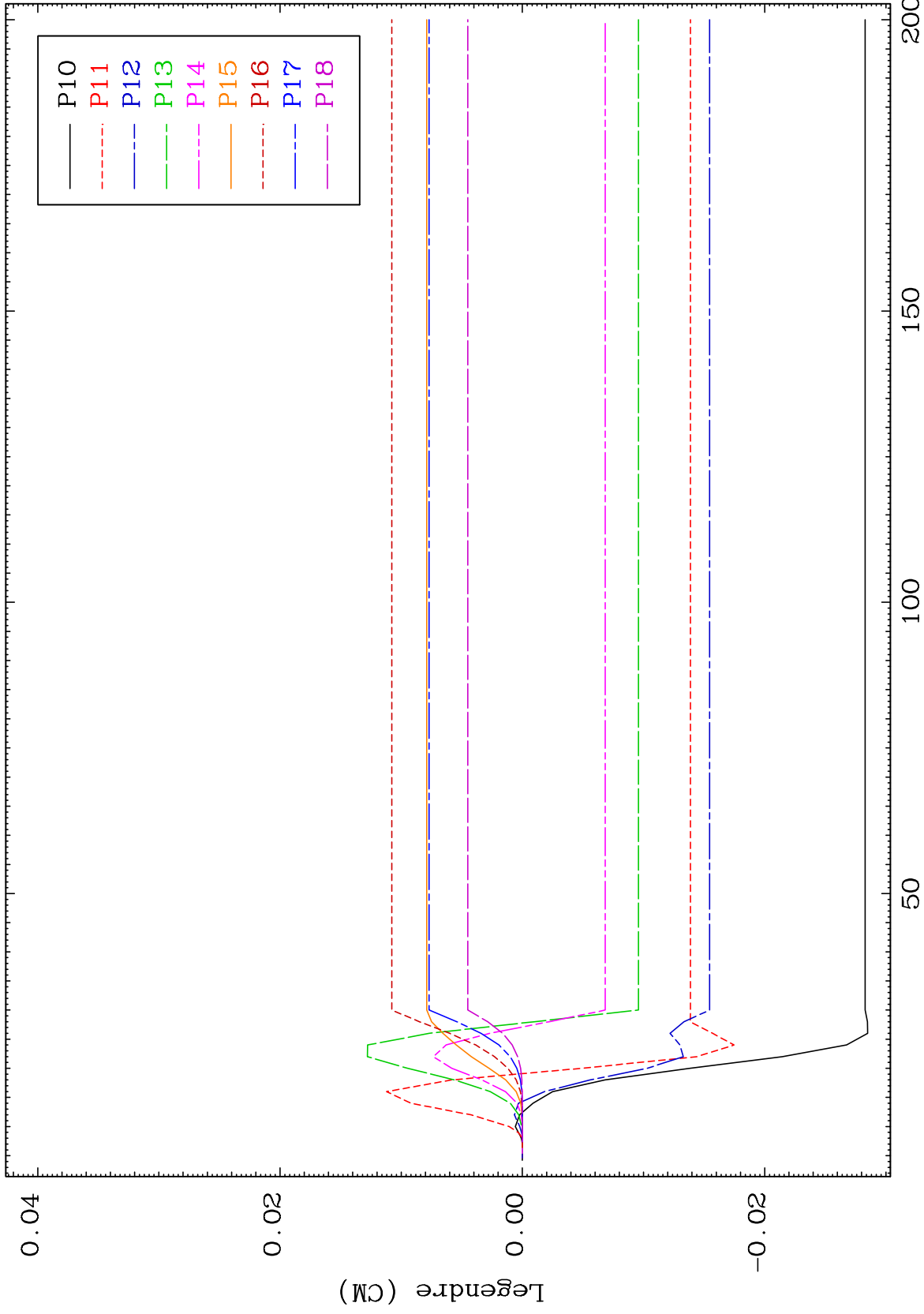




MAT 3843

3.450 MeV (n,n') Level  
Legendre Coefficients

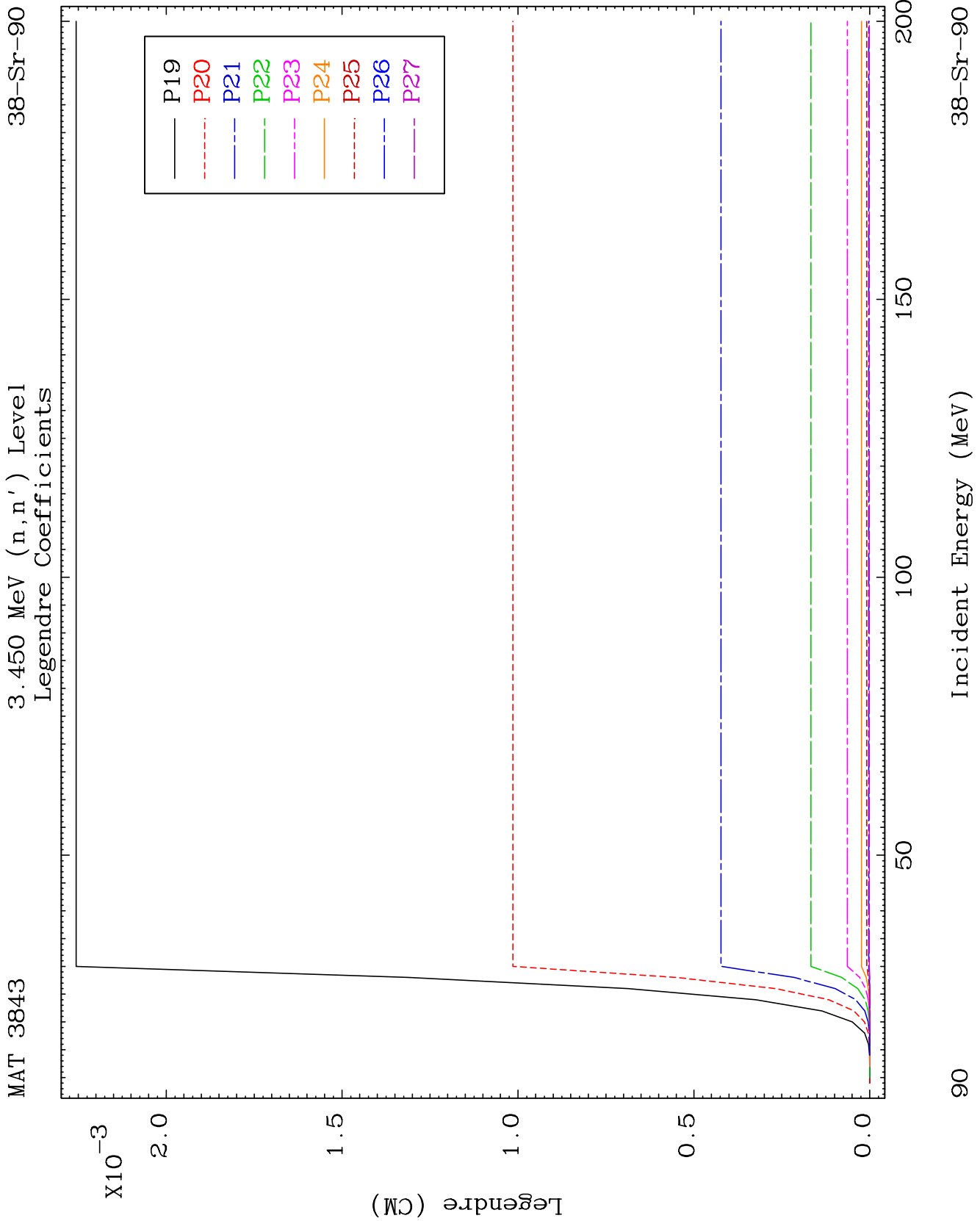
38-Sr-90



89

Incident Energy (MeV)

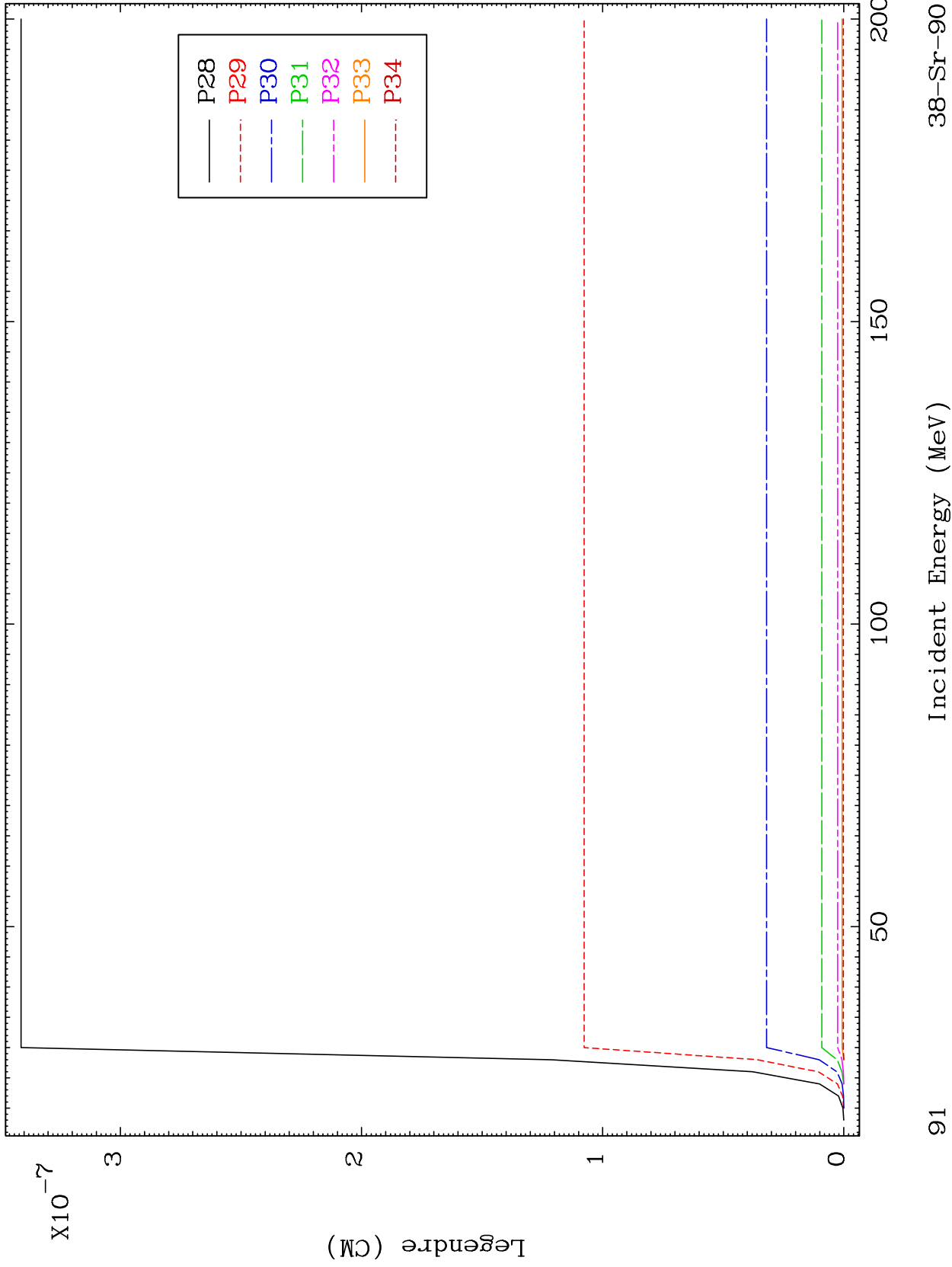
38-Sr-90



MAT 3843

3.450 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



91

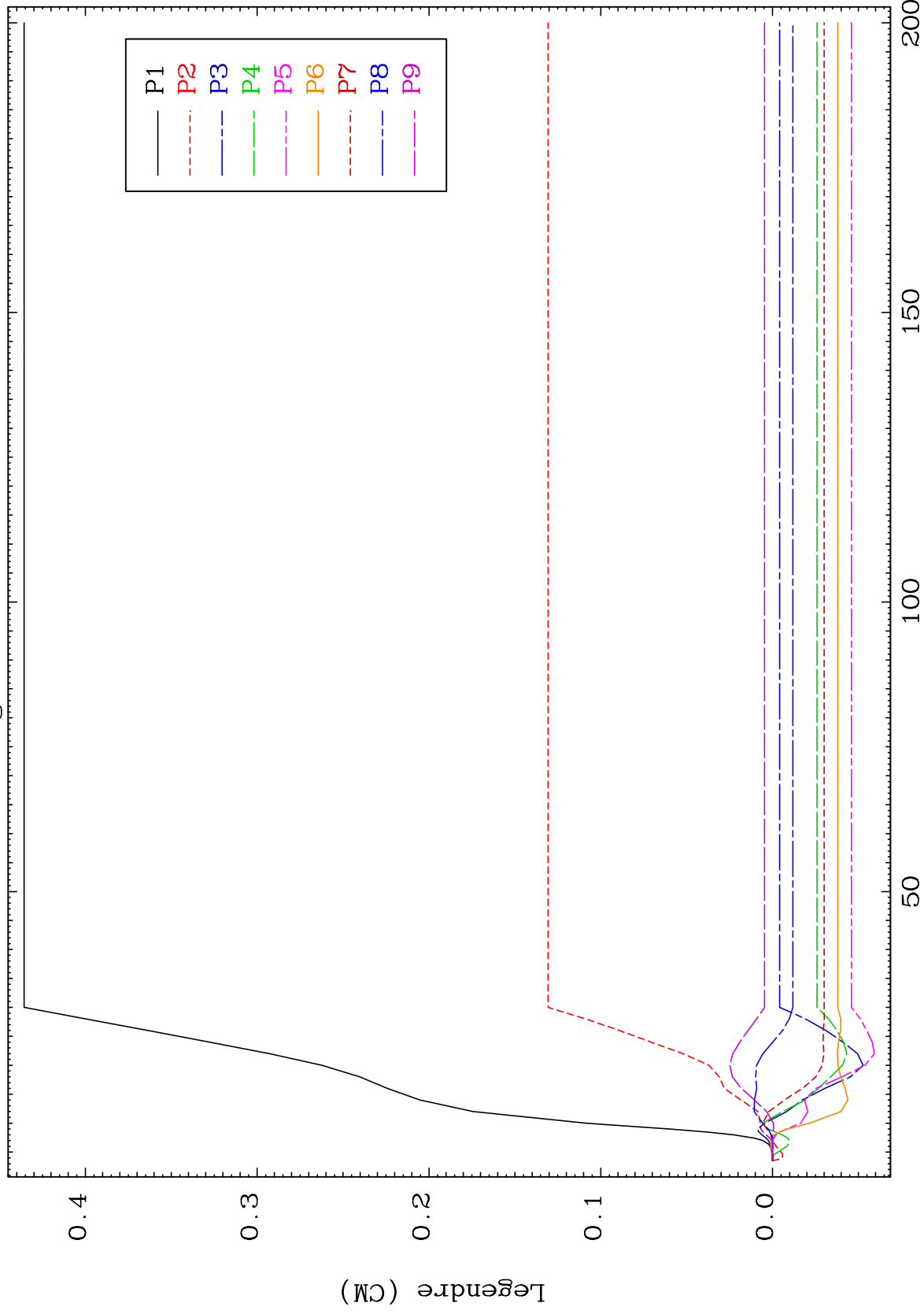
Incident Energy (MeV)

38-Sr-90

MAT 3843

3.479 MeV (n,n') Level  
Legendre Coefficients

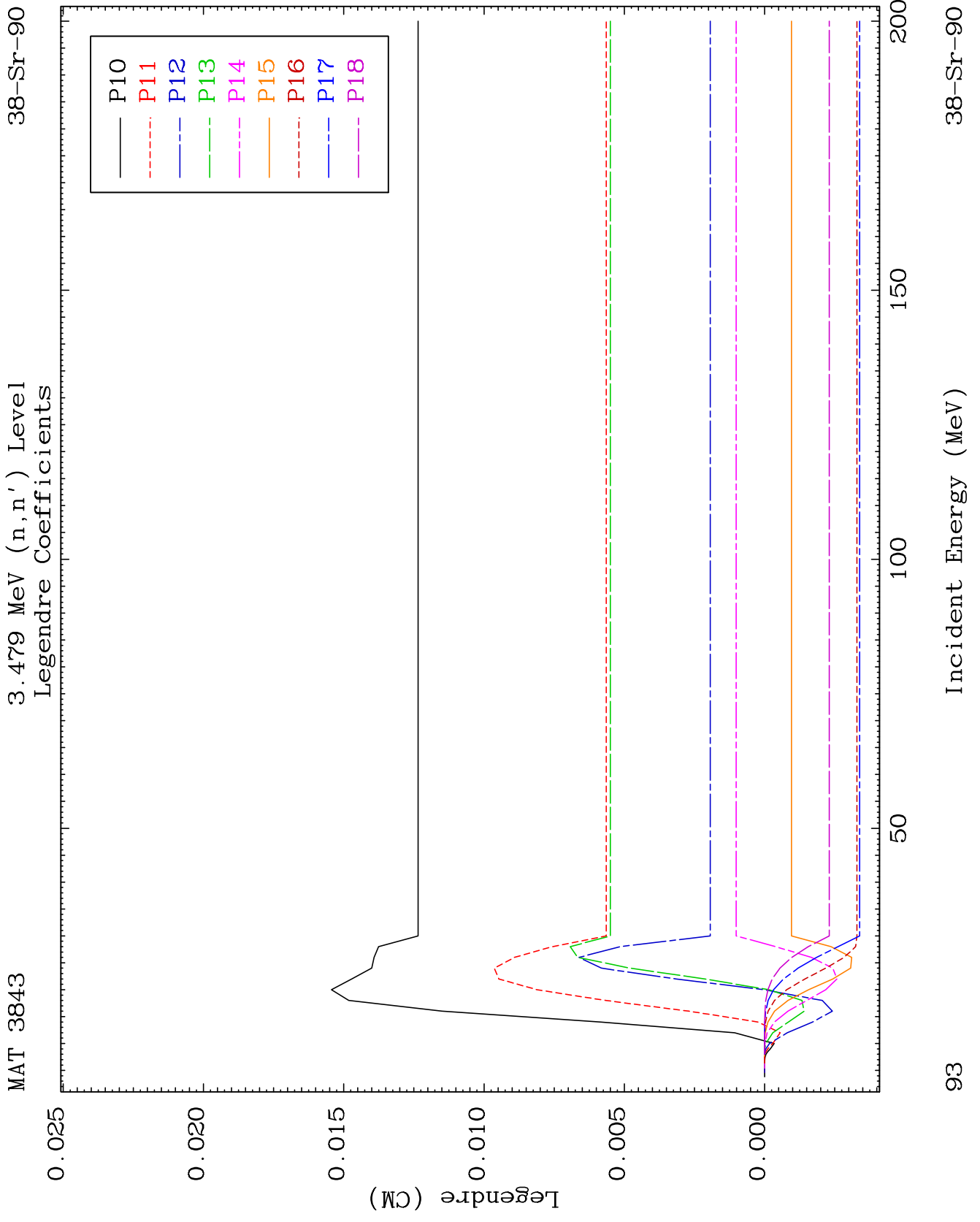
38-Sr-90

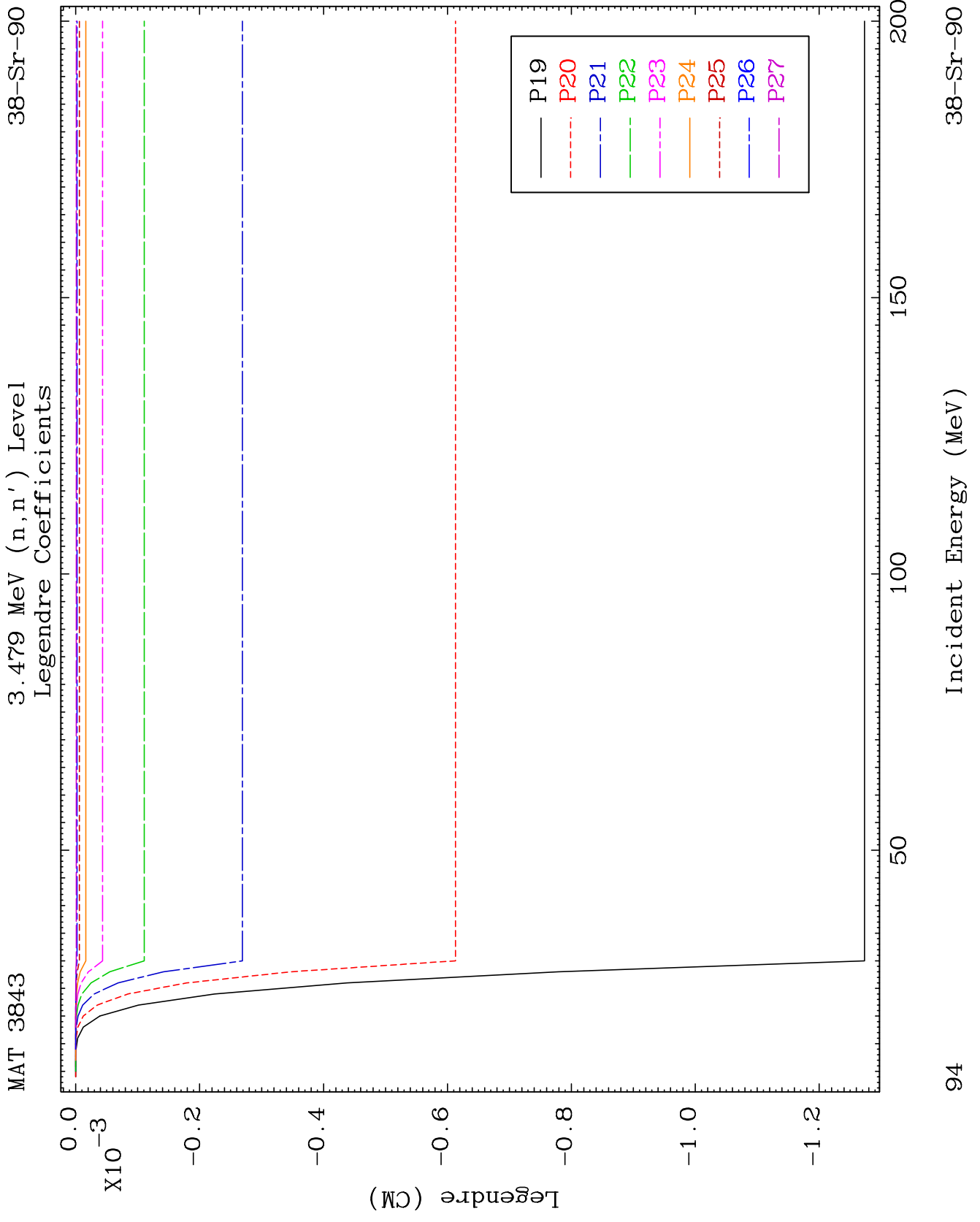


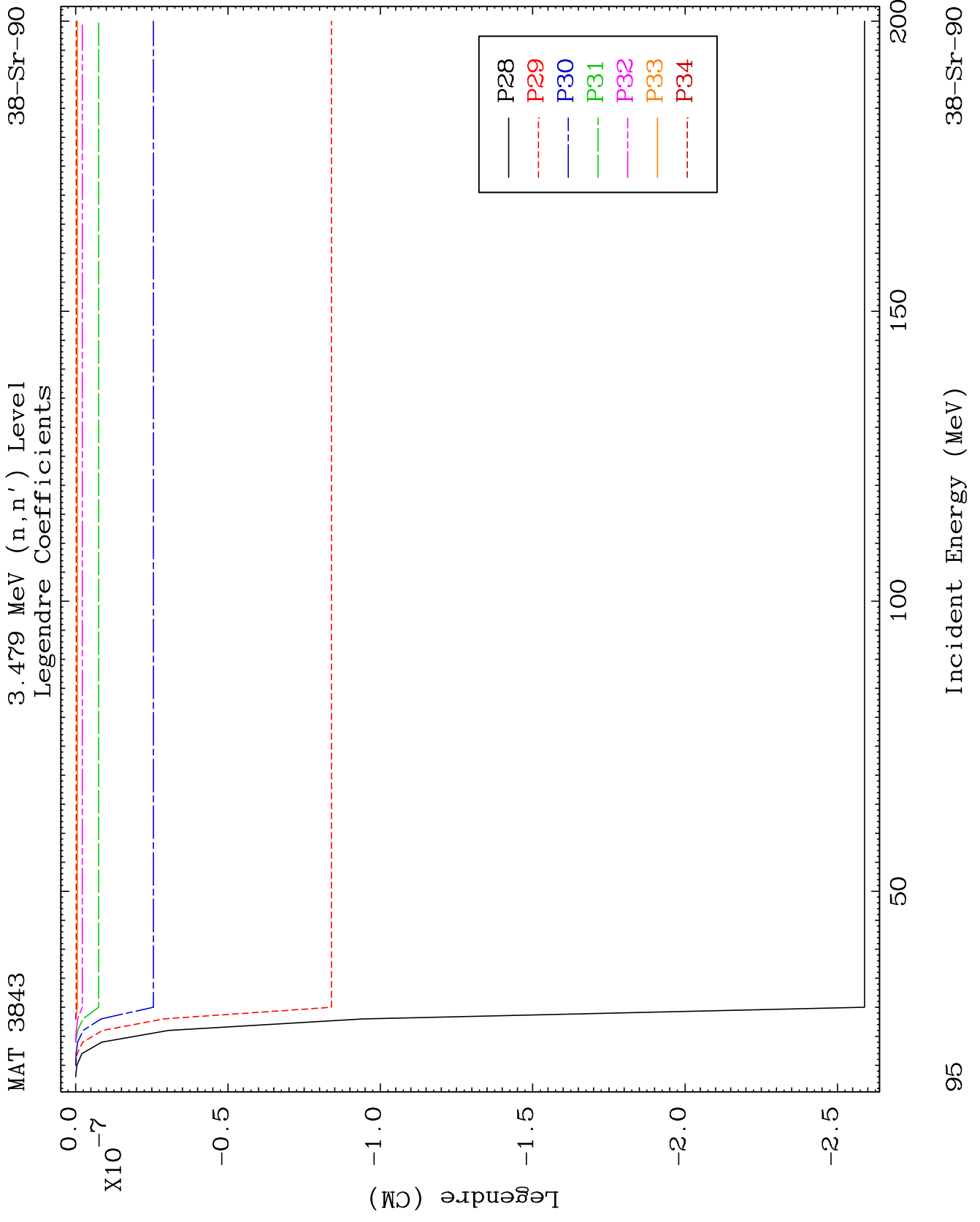
92

Incident Energy (MeV)

38-Sr-90





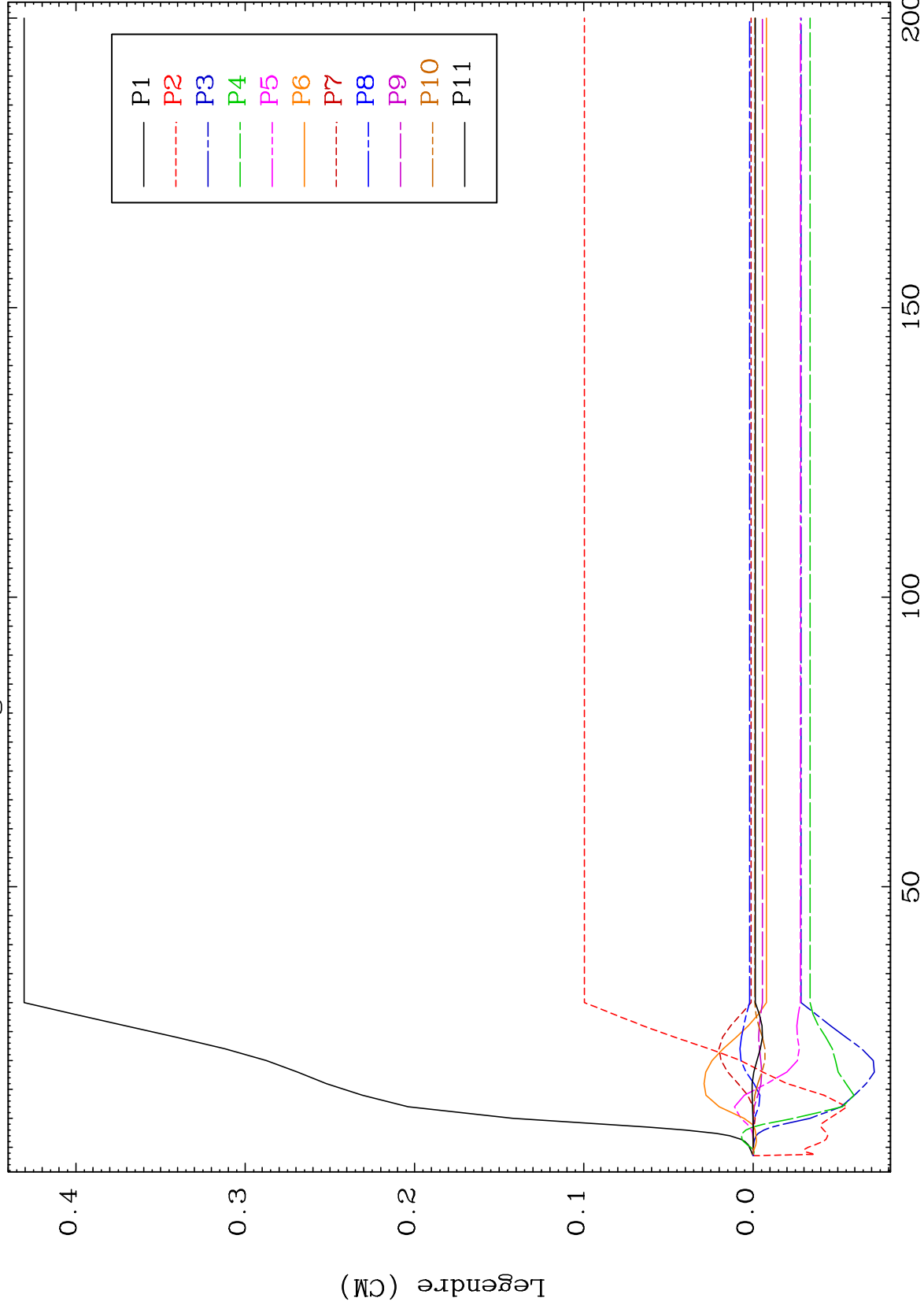




MAT 3843

3.508 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



96

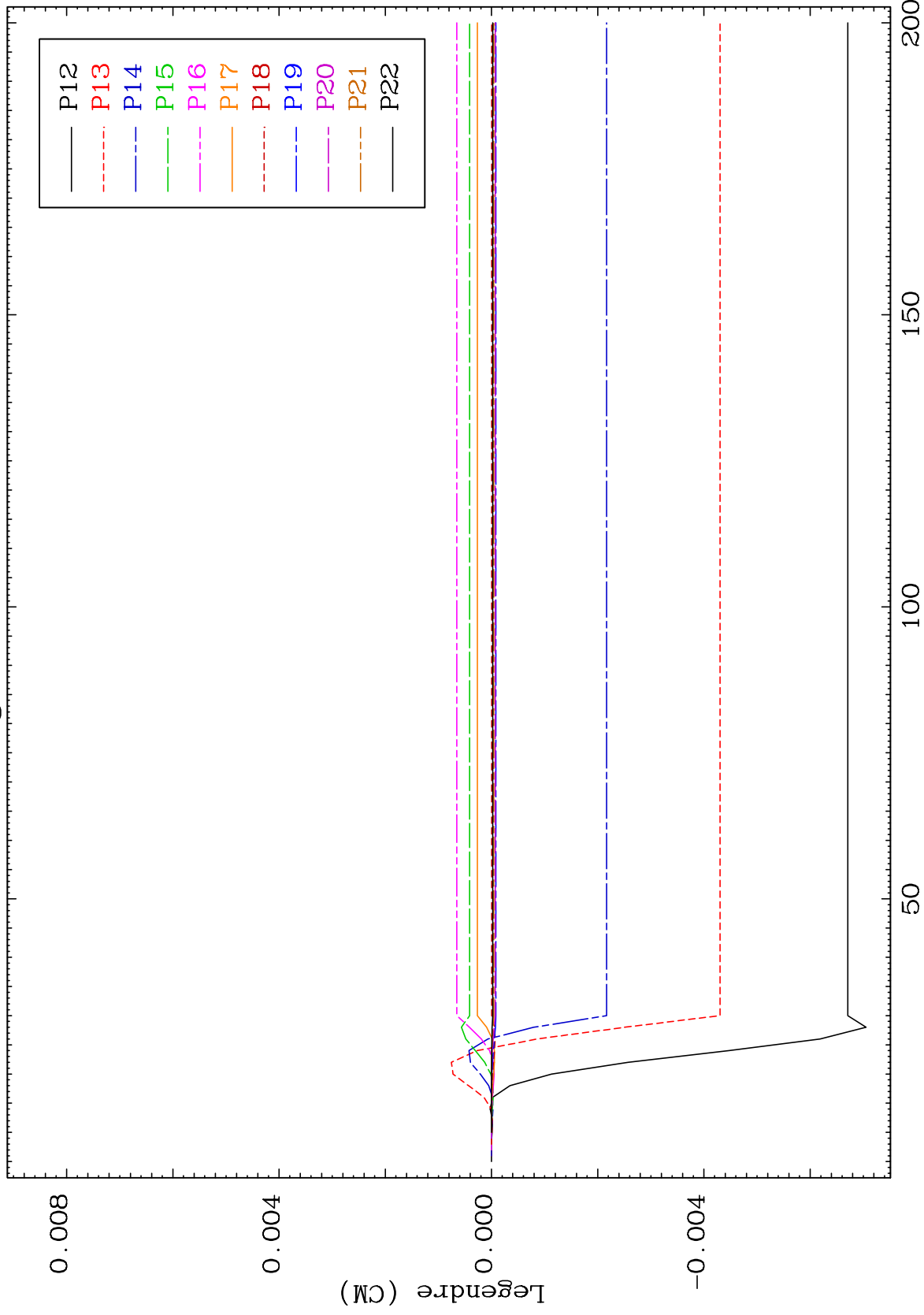
Incident Energy (MeV)

38-Sr-90

MAT 3843

3.508 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



97

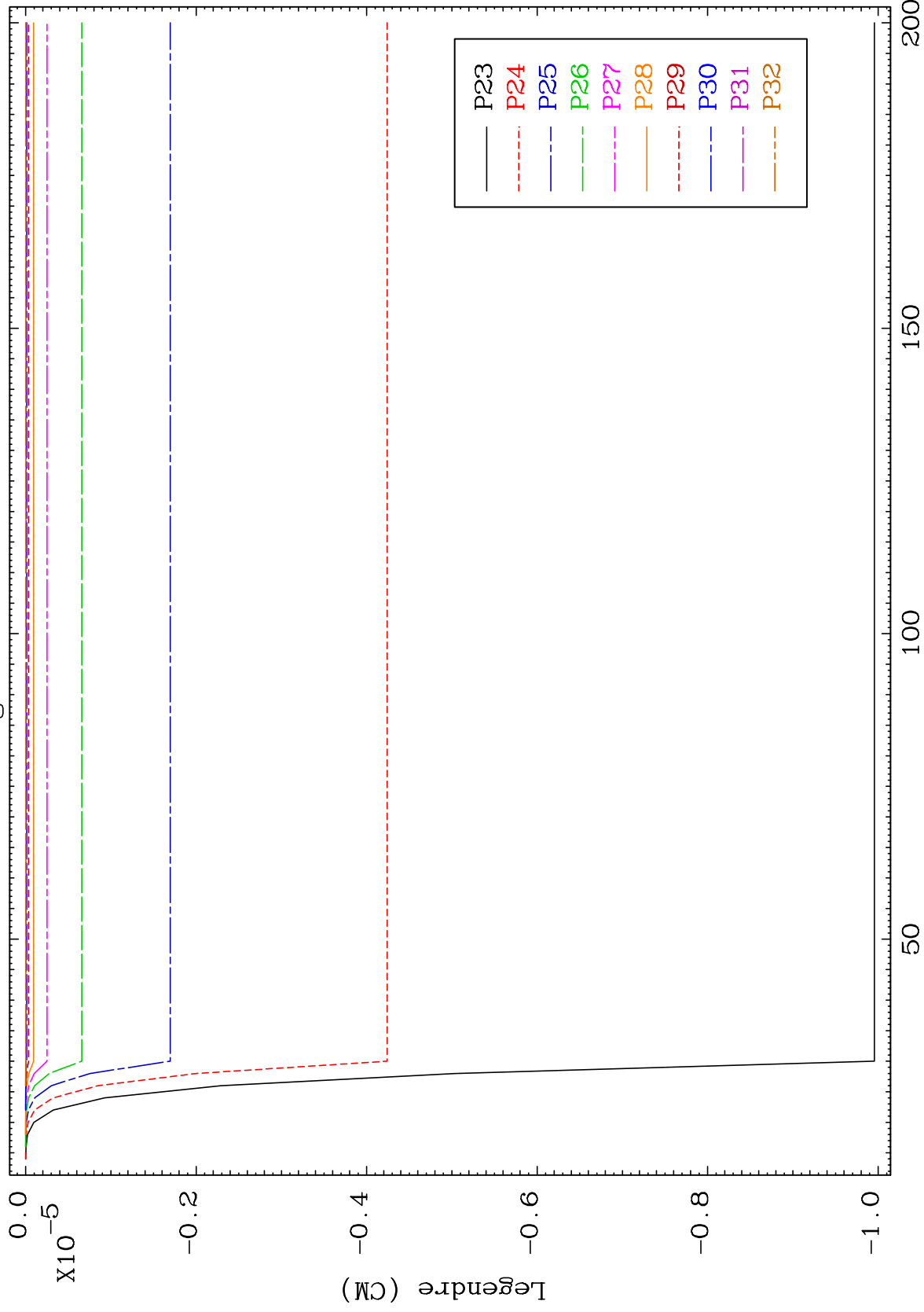
Incident Energy (MeV)

38-Sr-90

MAT 3843

3.508 MeV (n,n') Level  
Legendre Coefficients

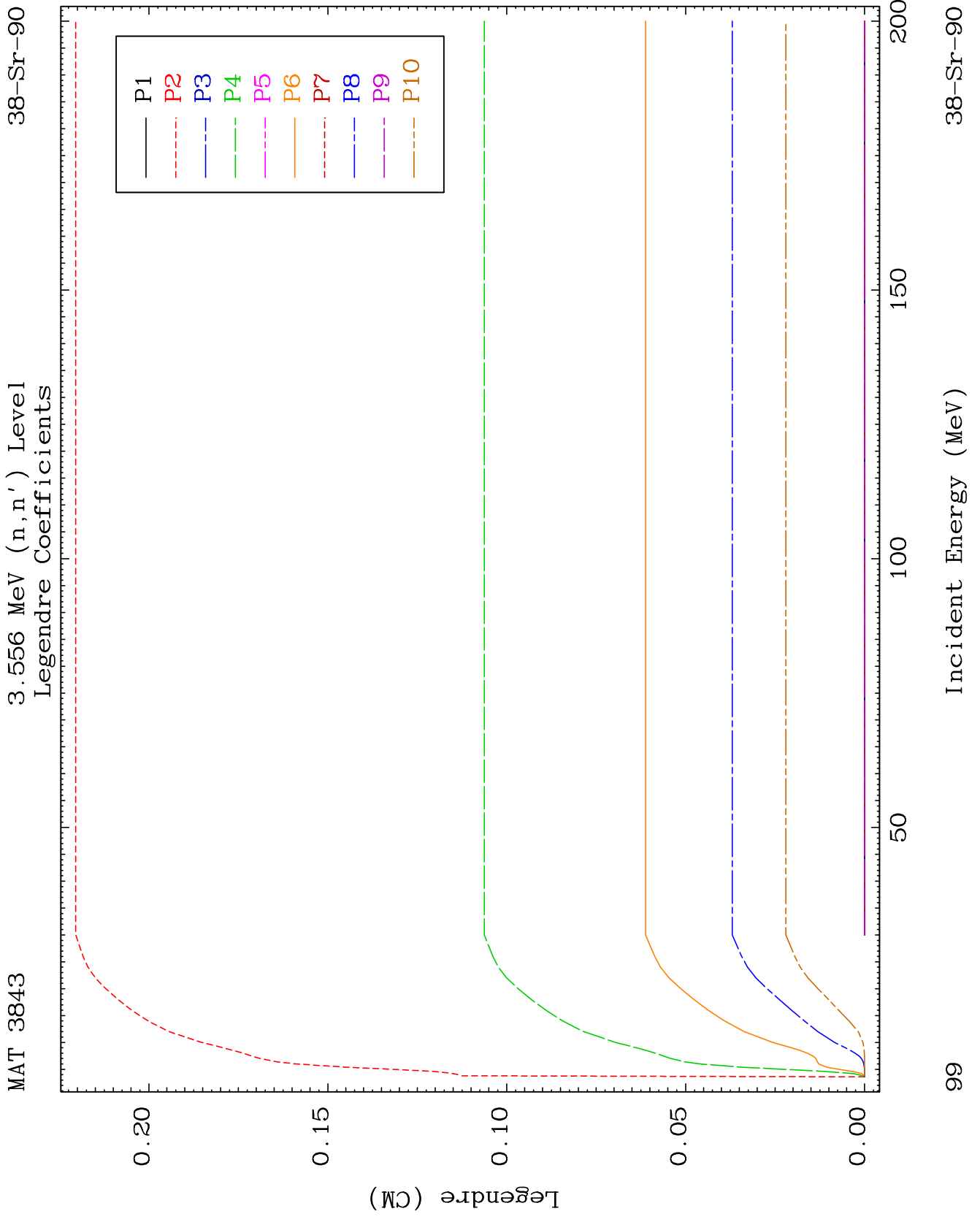
38-Sr-90

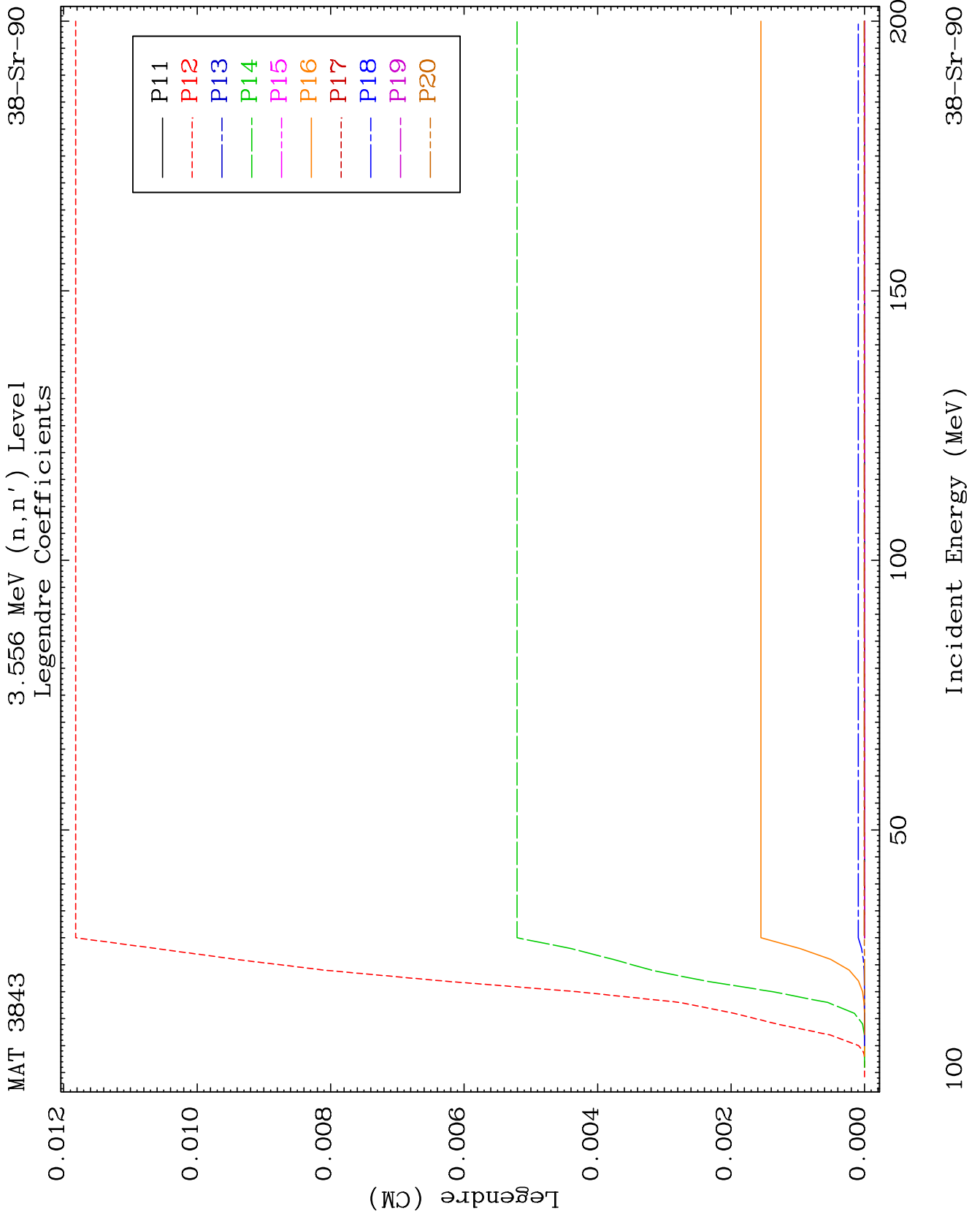


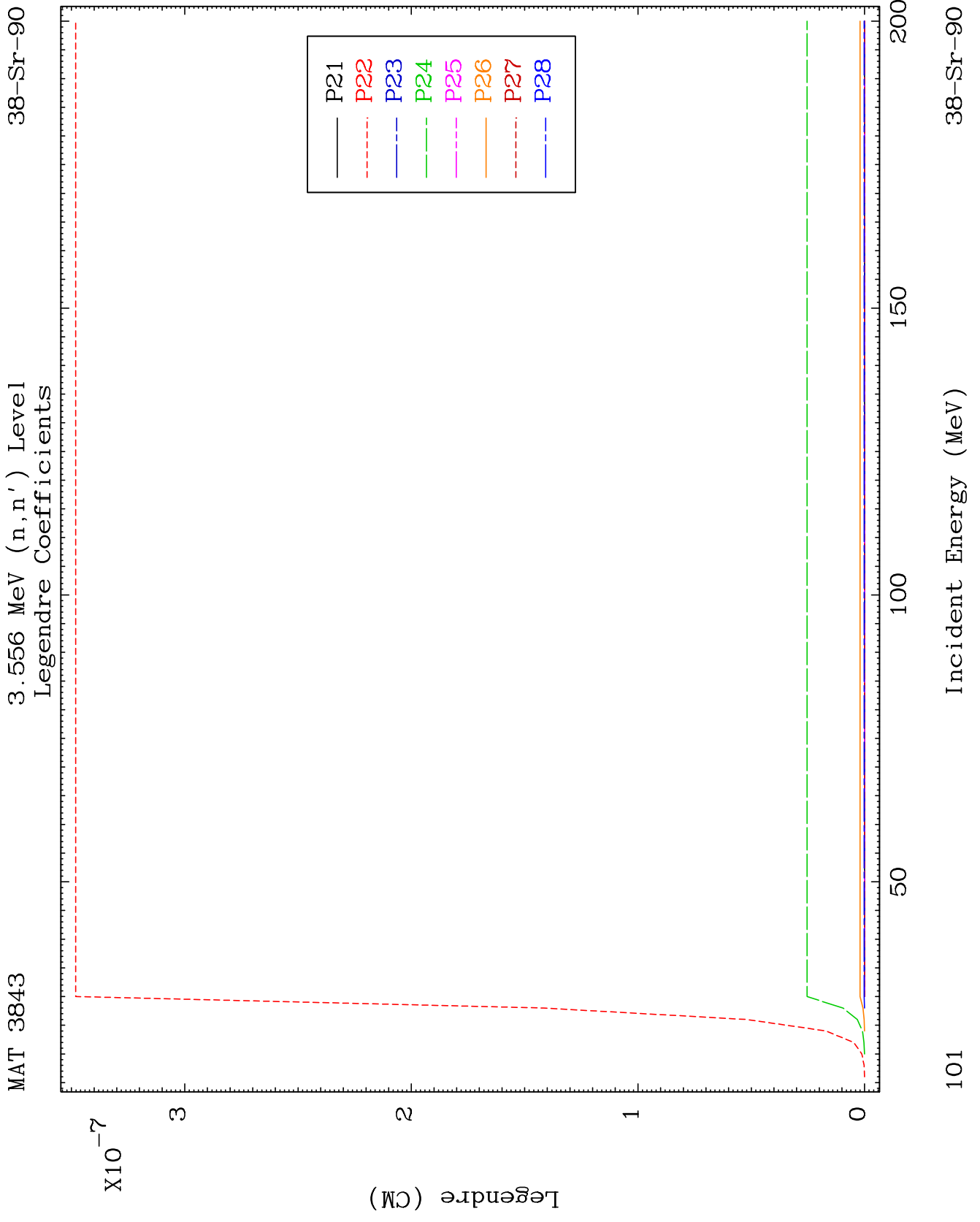
98

Incident Energy (MeV)

38-Sr-90



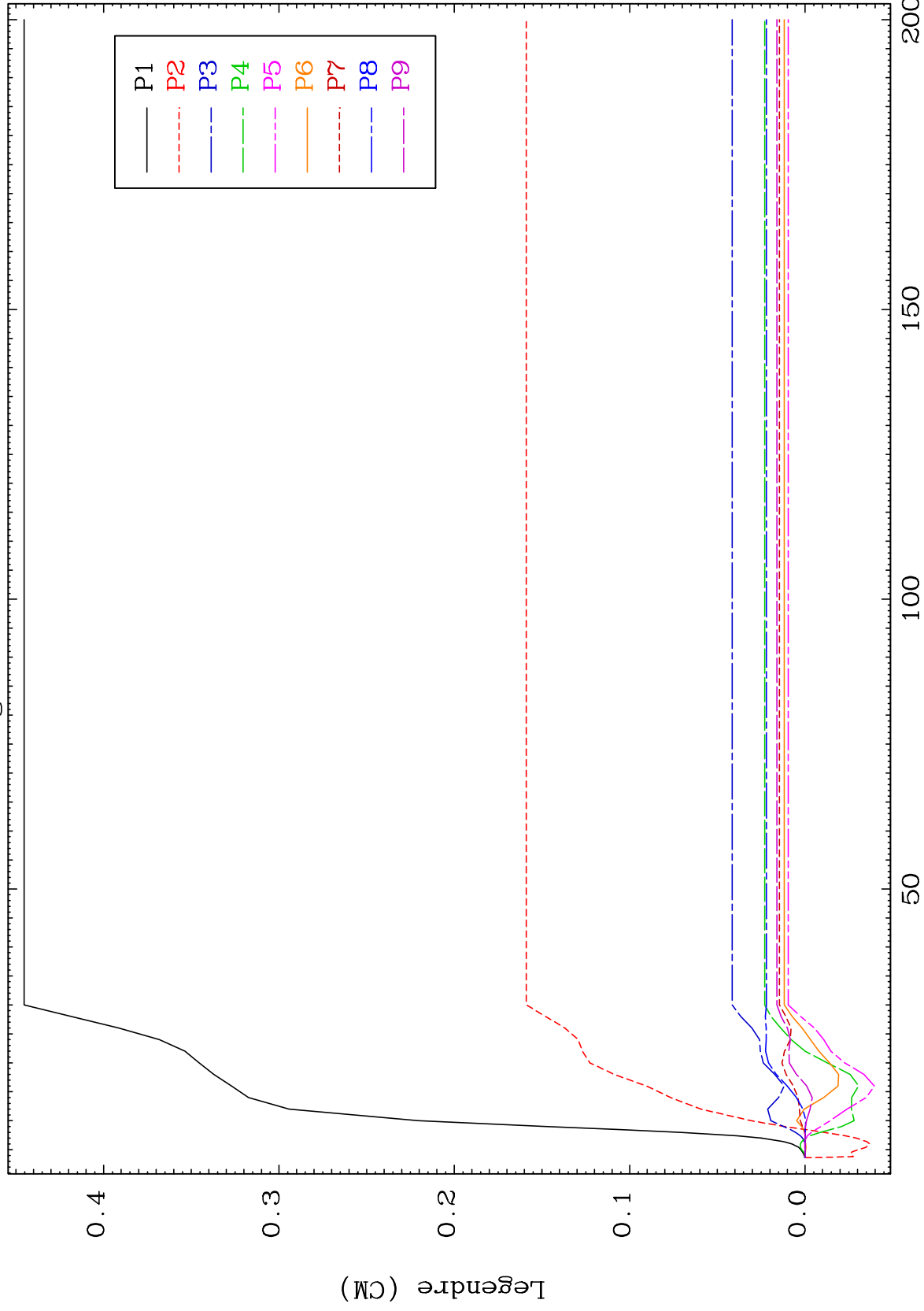




MAT 3843

3.584 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



102

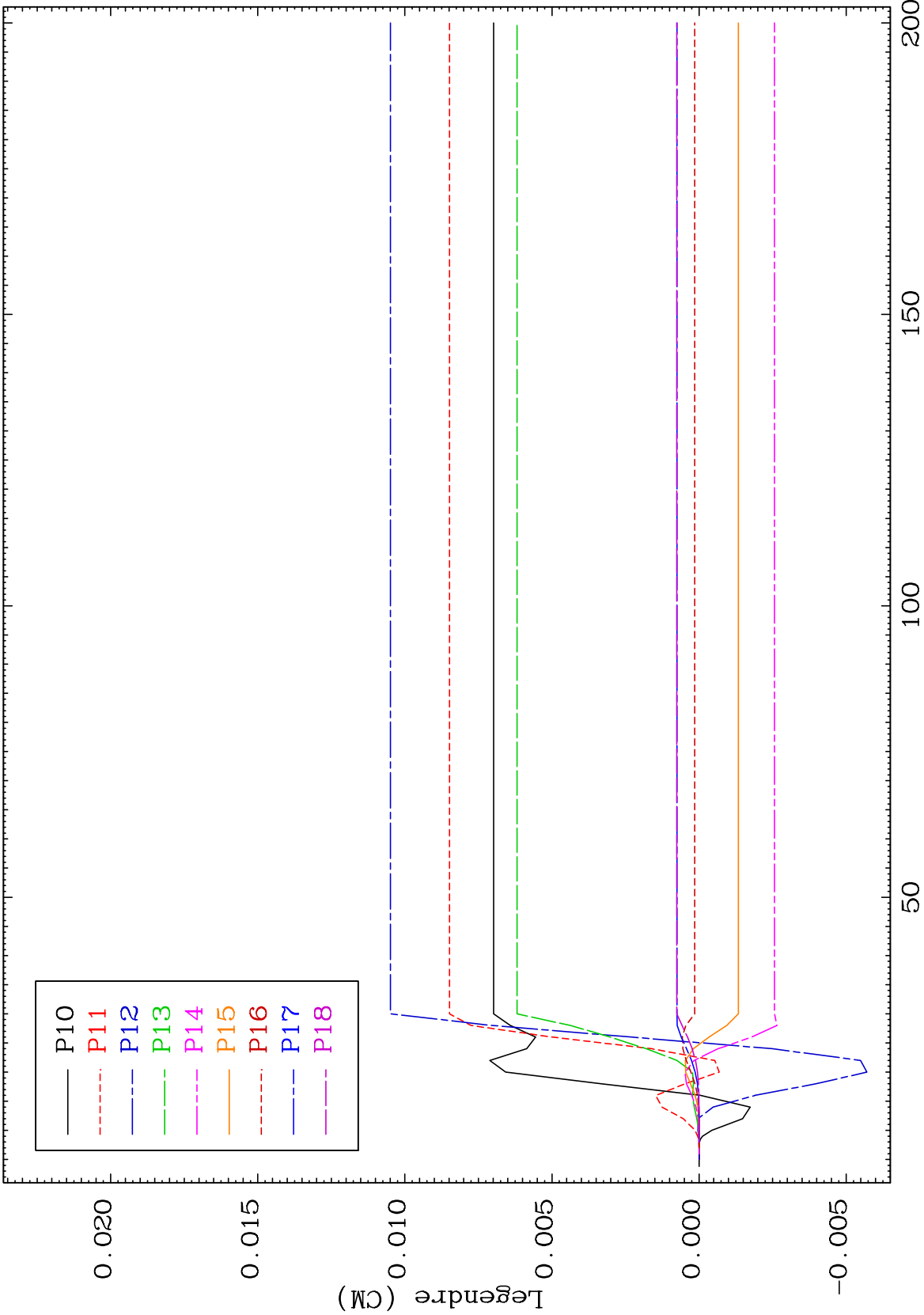
Incident Energy (MeV)

38-Sr-90

MAT 3843

3.584 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90

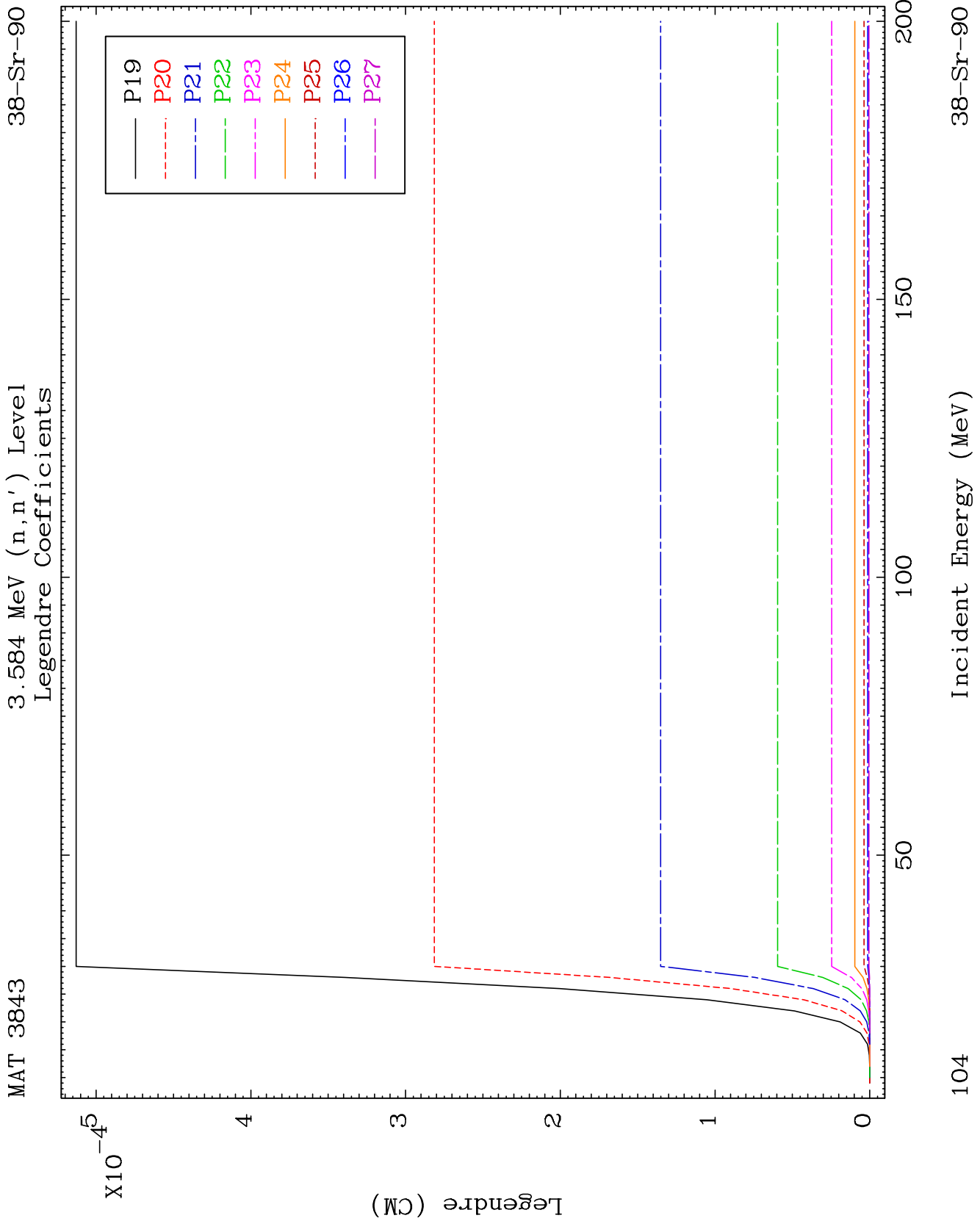


103

Incident Energy (MeV)

38-Sr-90



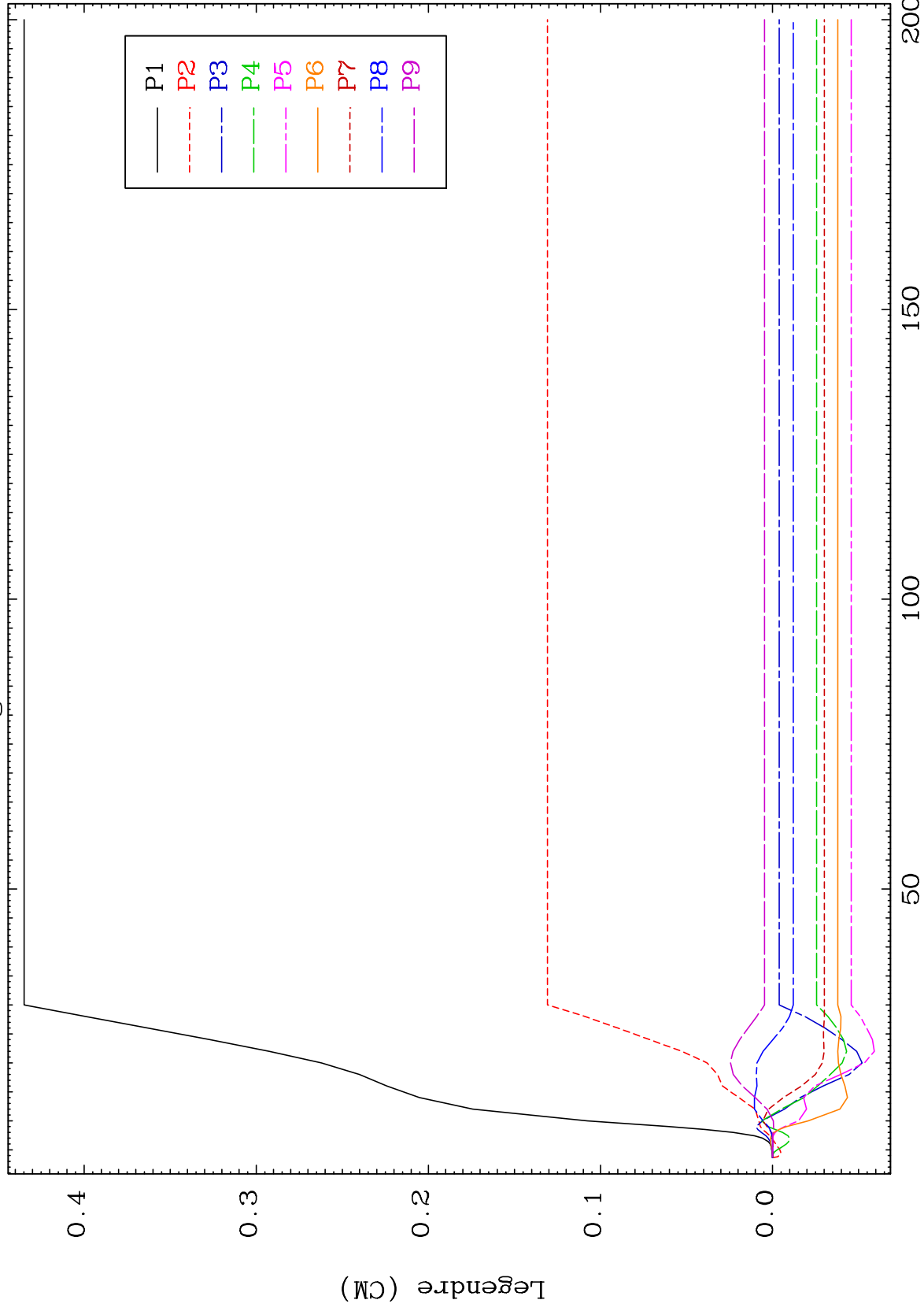




MAT 3843

3.594 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



106

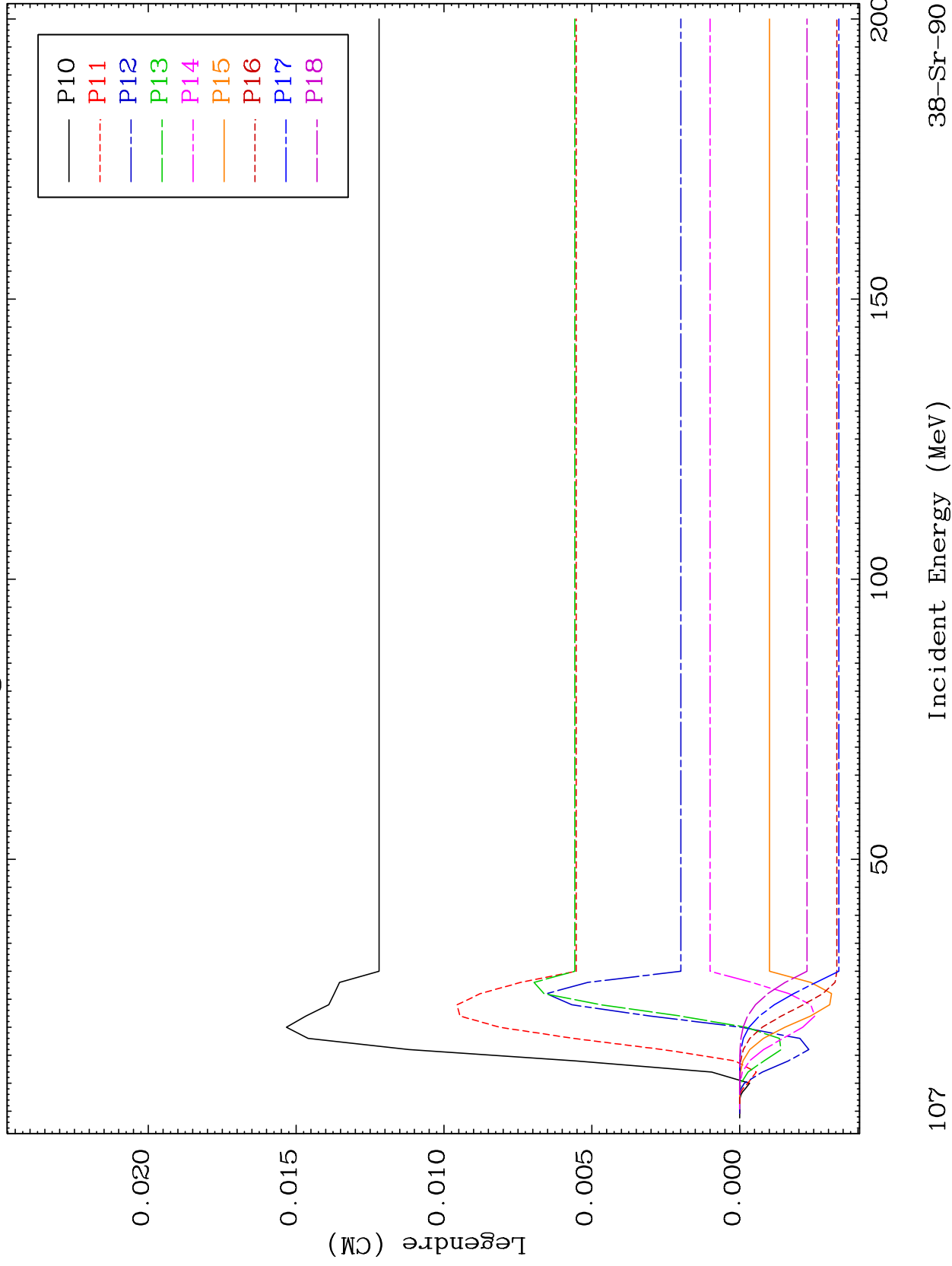
Incident Energy (MeV)

38-Sr-90

MAT 3843

3.594 MeV (n,n') Level  
Legendre Coefficients

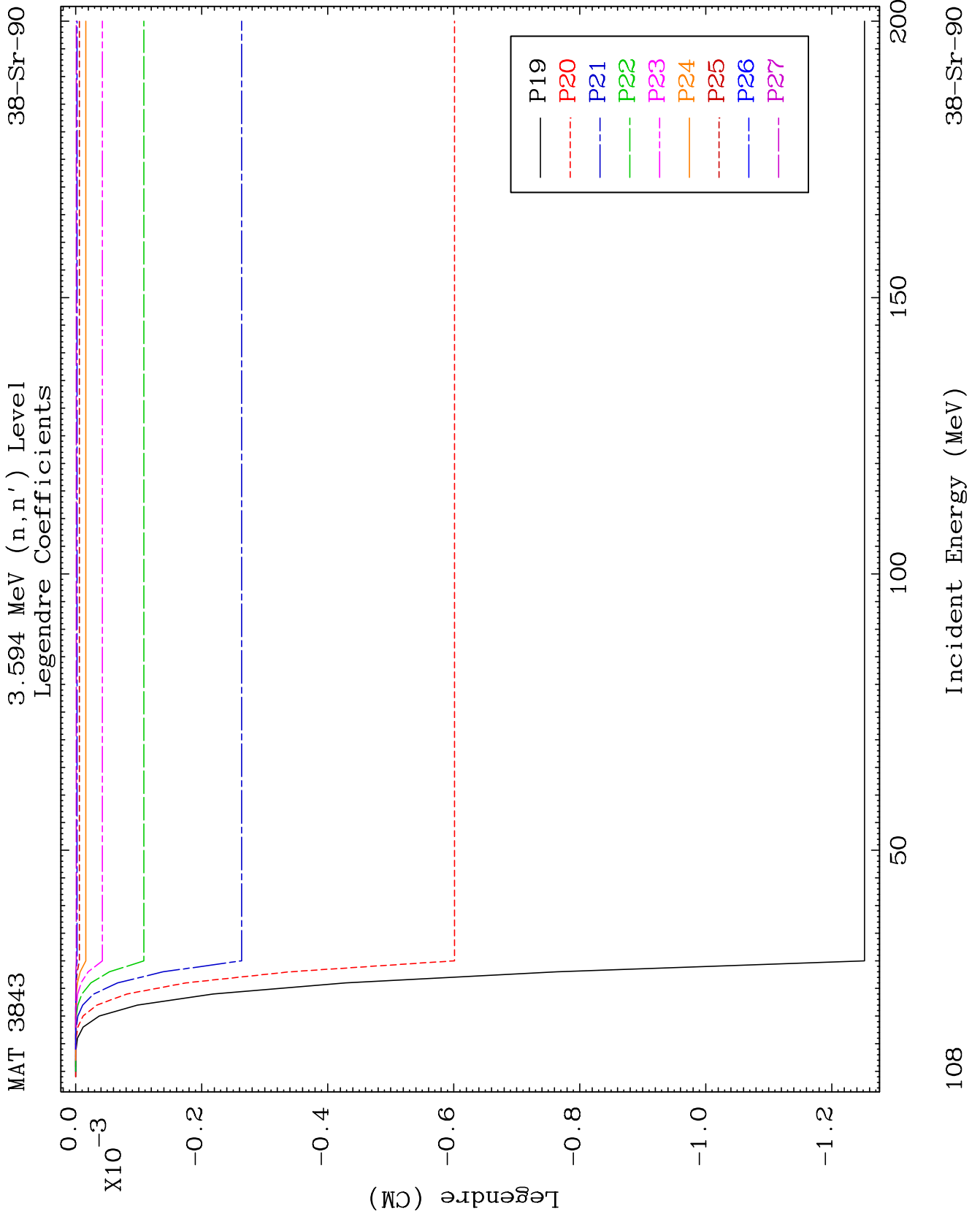
38-Sr-90

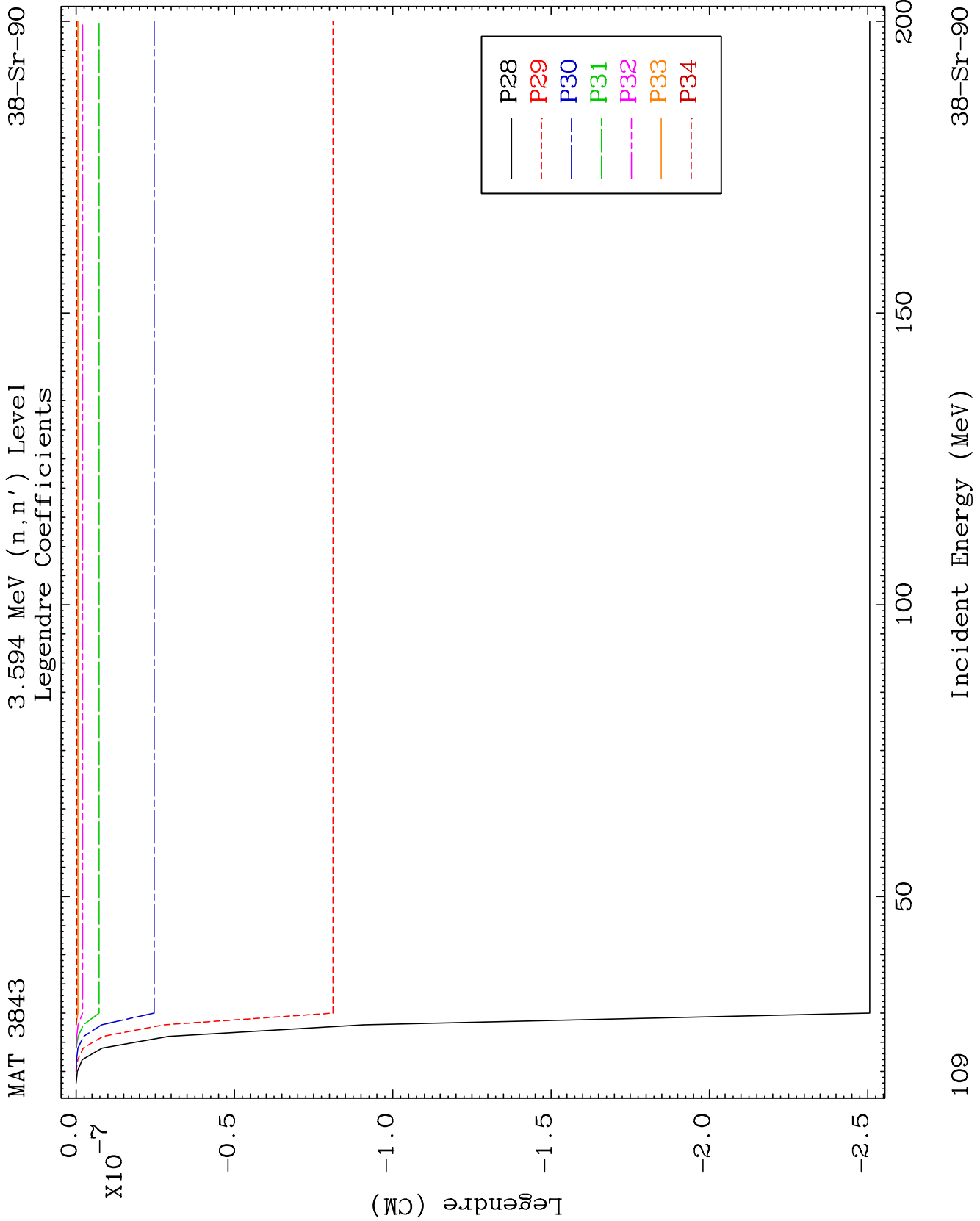


107

Incident Energy (MeV)

38-Sr-90

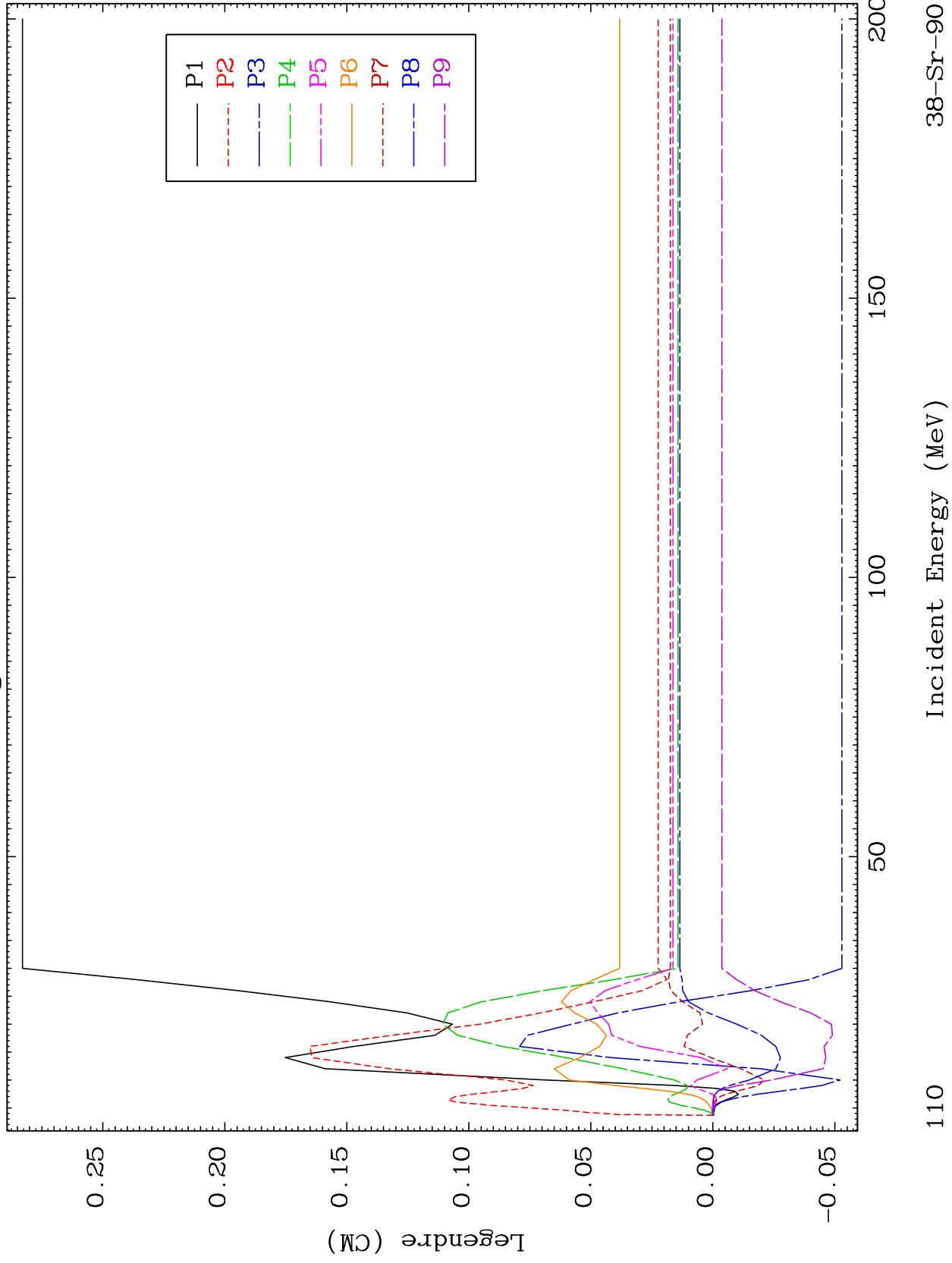




MAT 3843

3.627 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



38-Sr-90

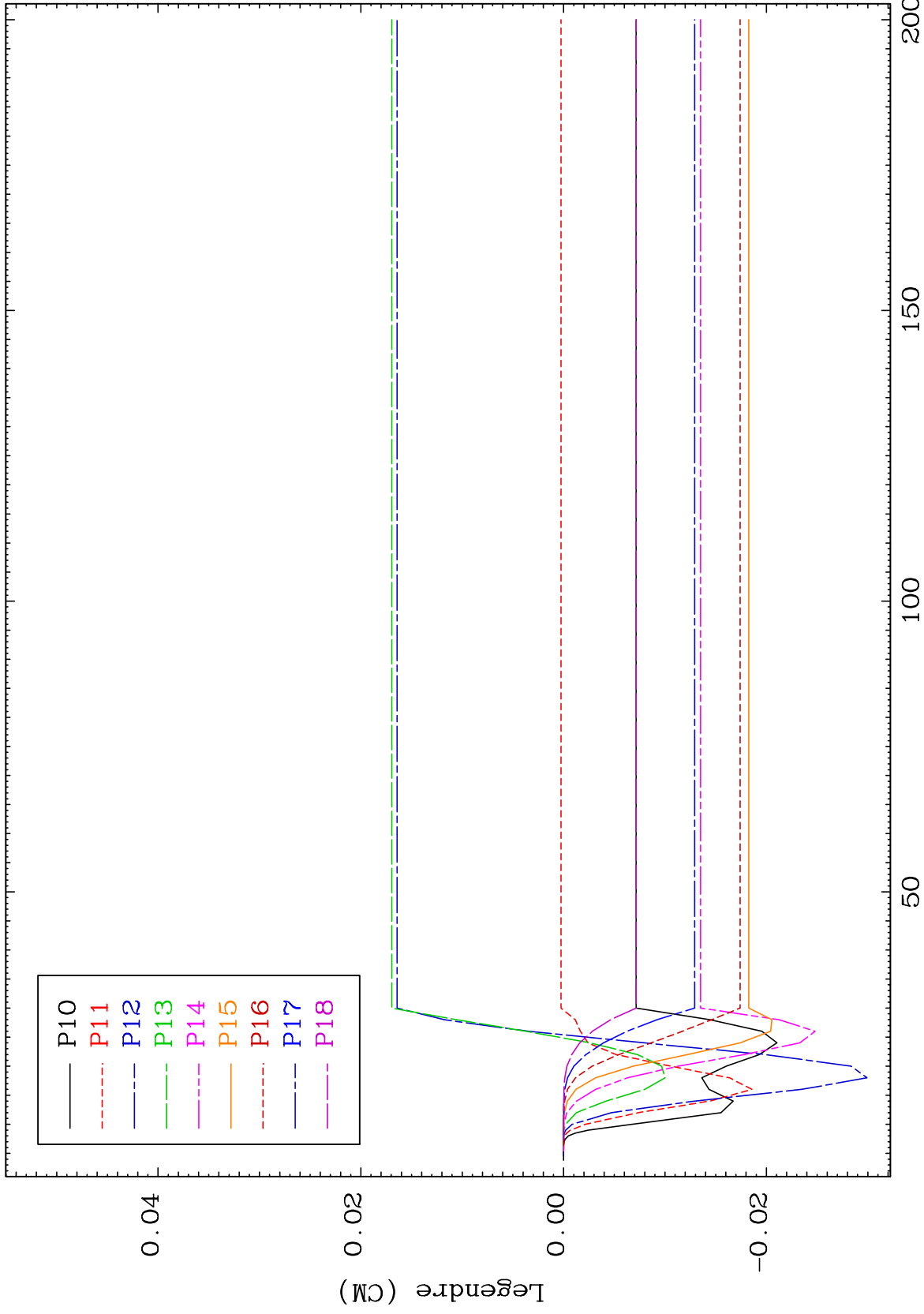
Incident Energy (MeV)

110

MAT 3843

3.627 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90

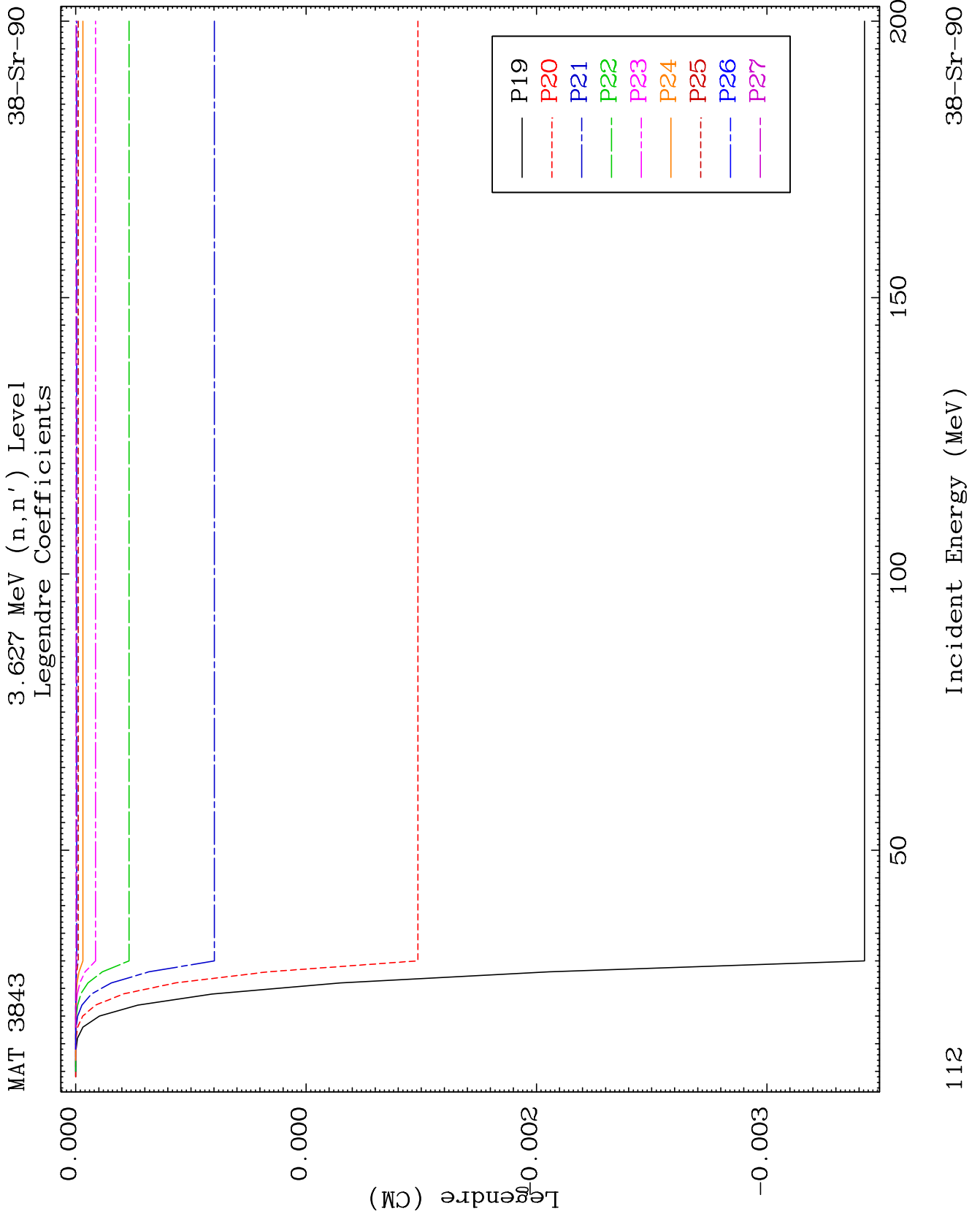


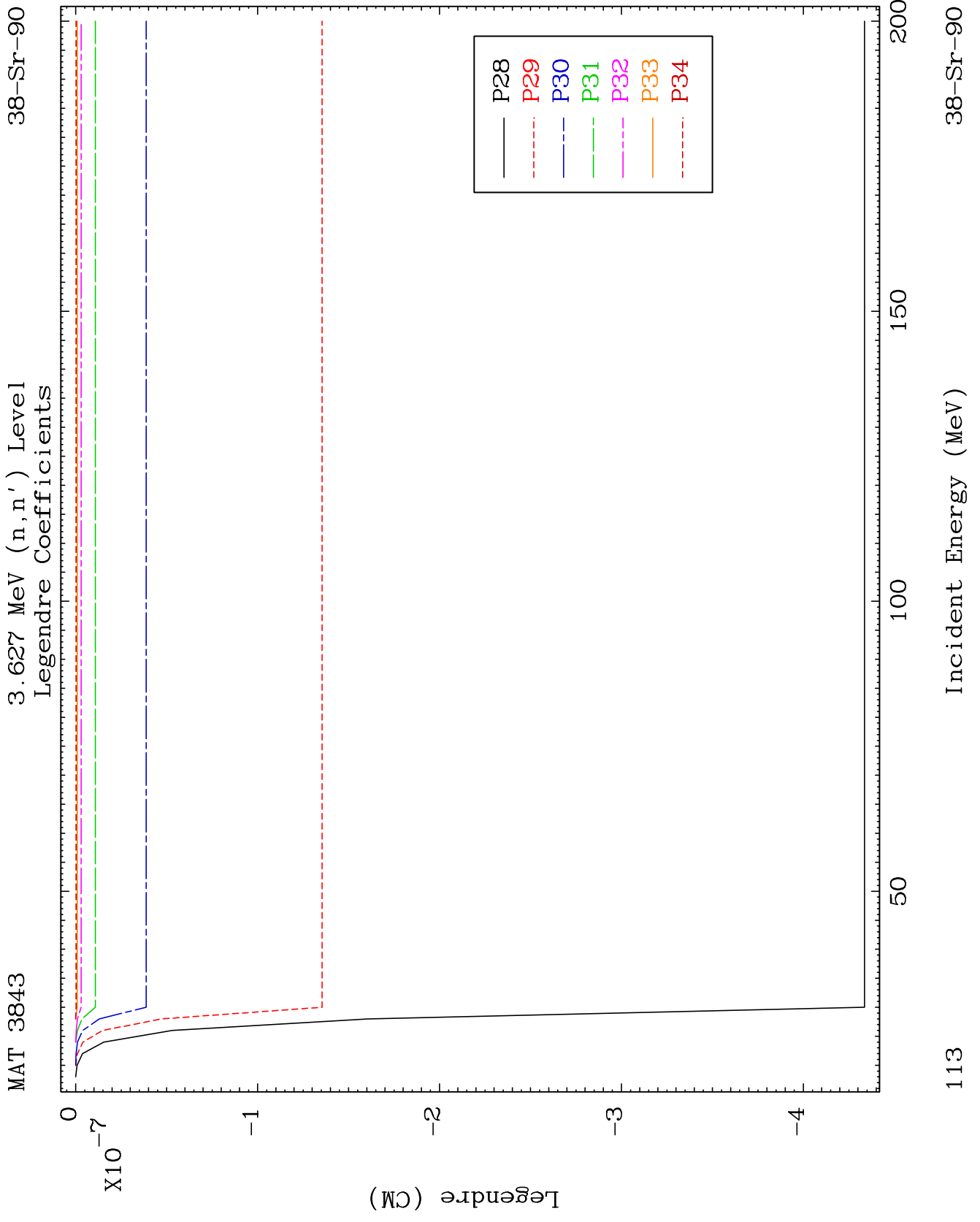
111

Incident Energy (MeV)

38-Sr-90



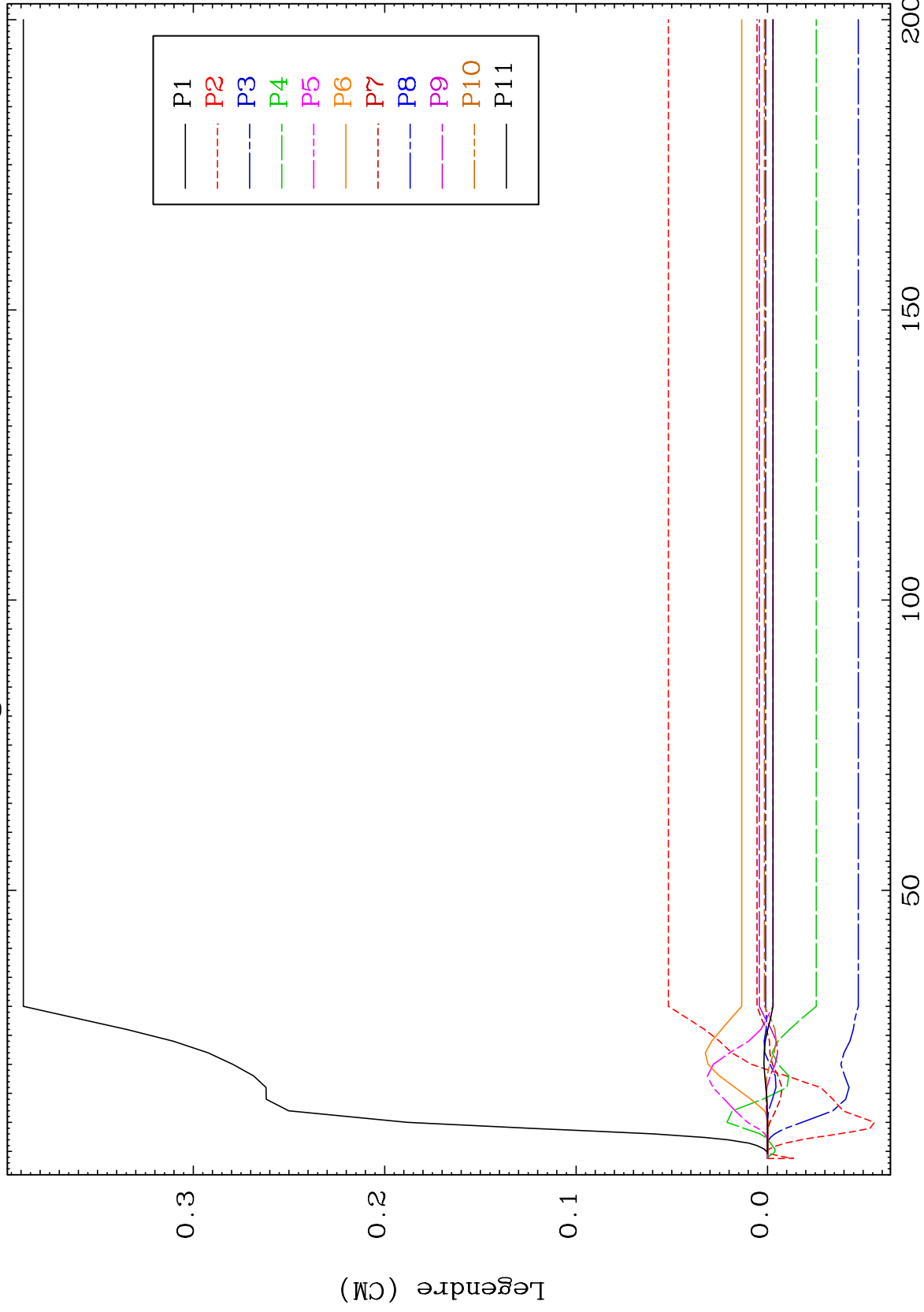




MAT 3843

3.720 MeV (n,n') Level  
Legendre Coefficients

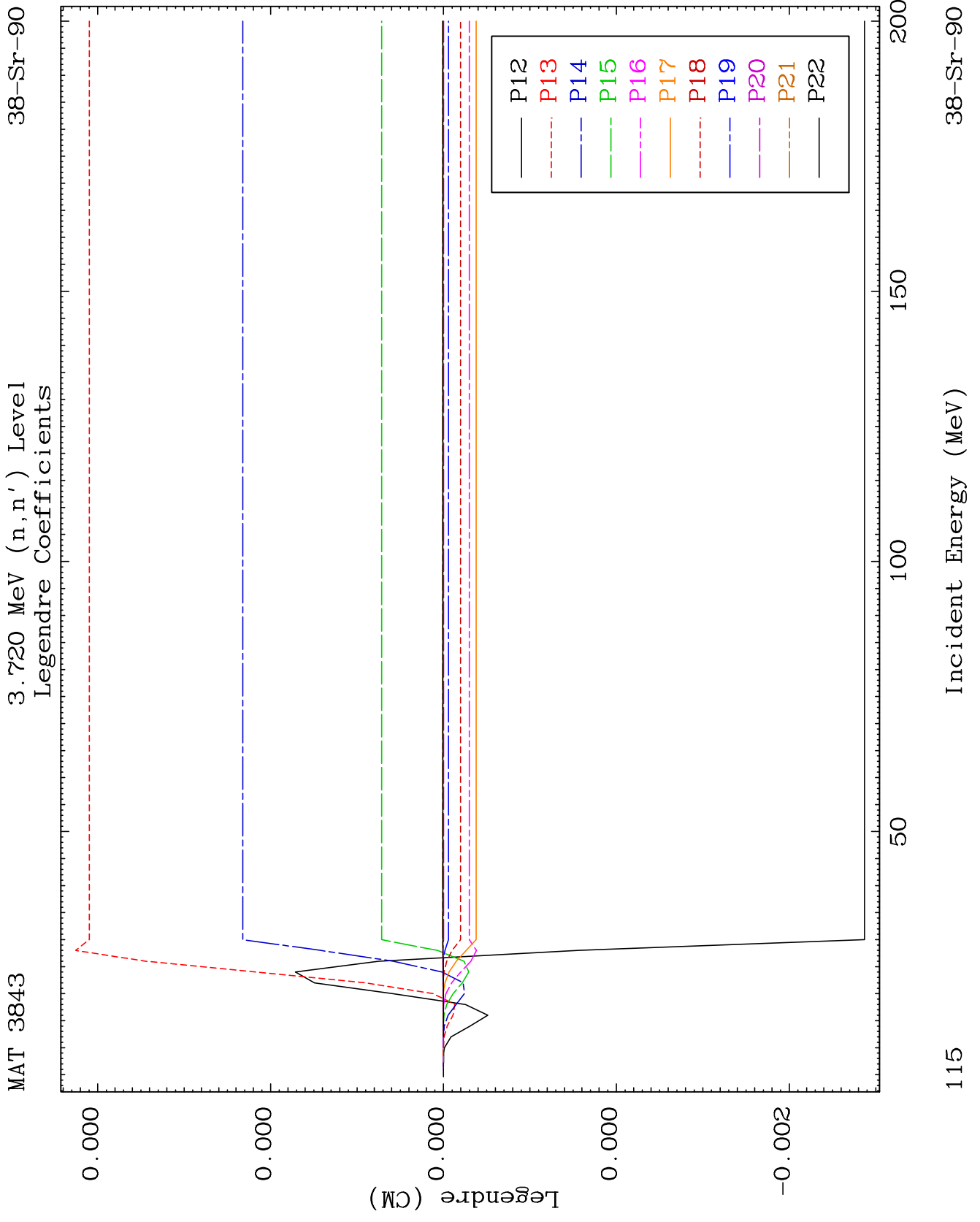
38-Sr-90

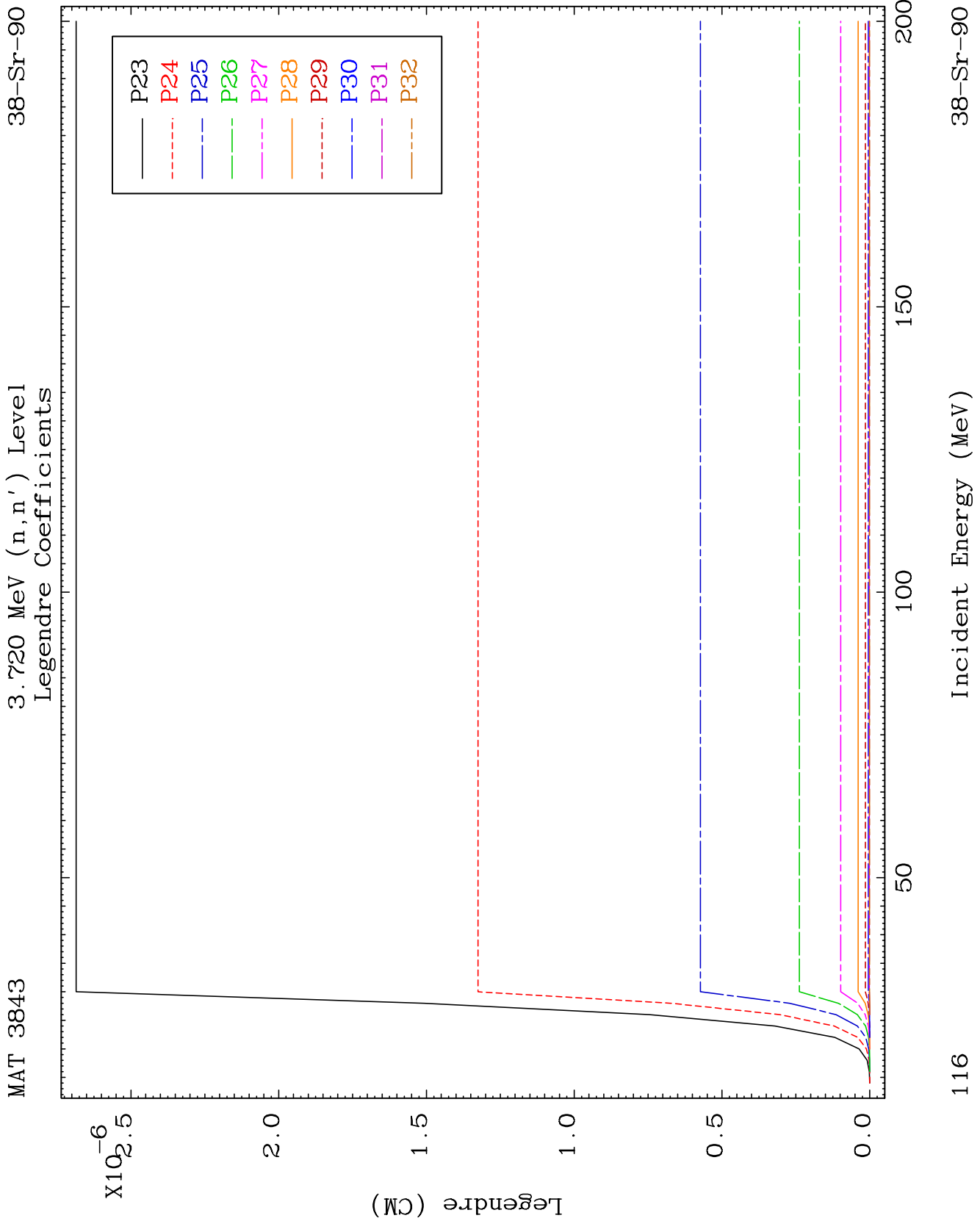


114

Incident Energy (MeV)

38-Sr-90

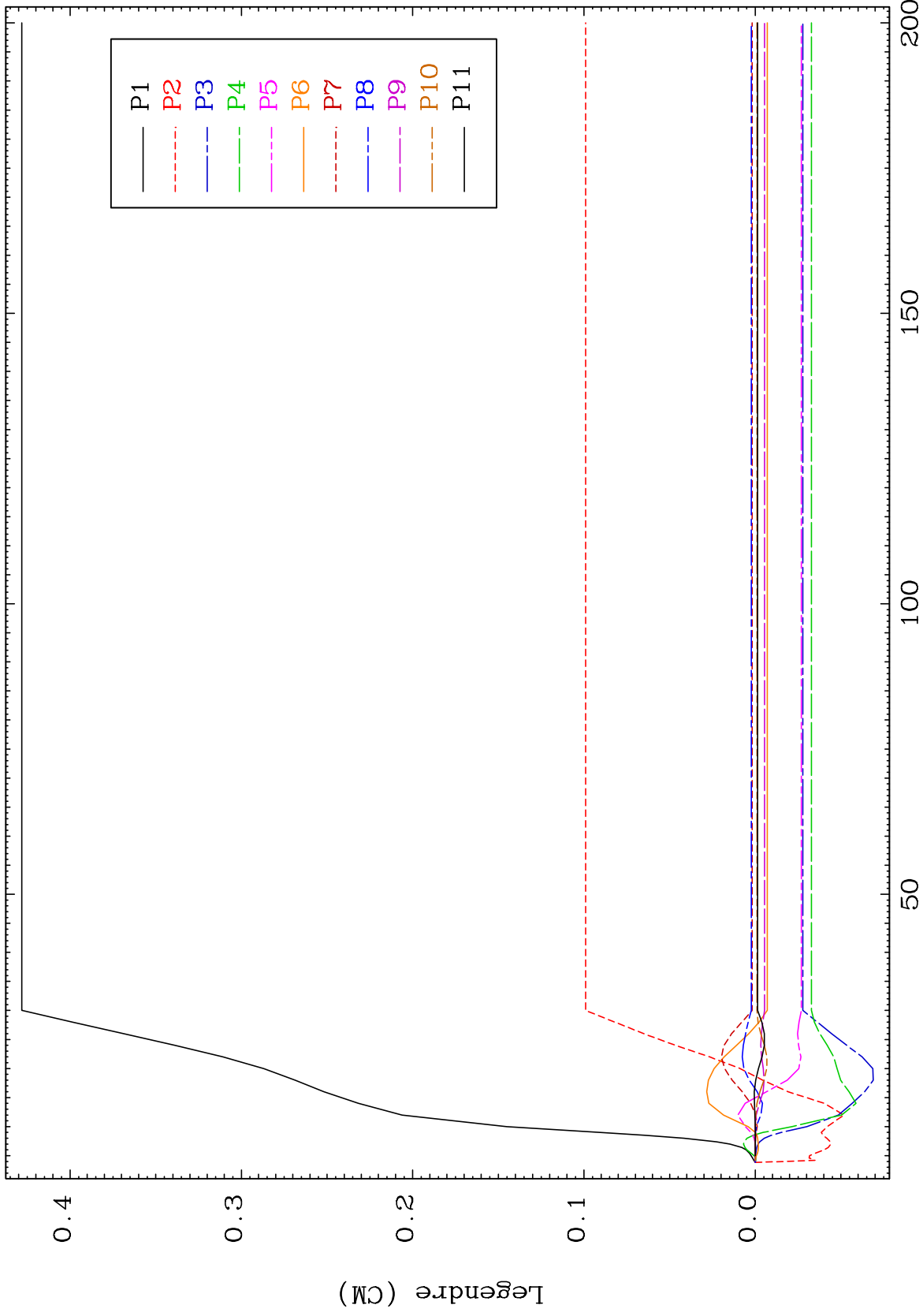




MAT 3843

3.784 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



117

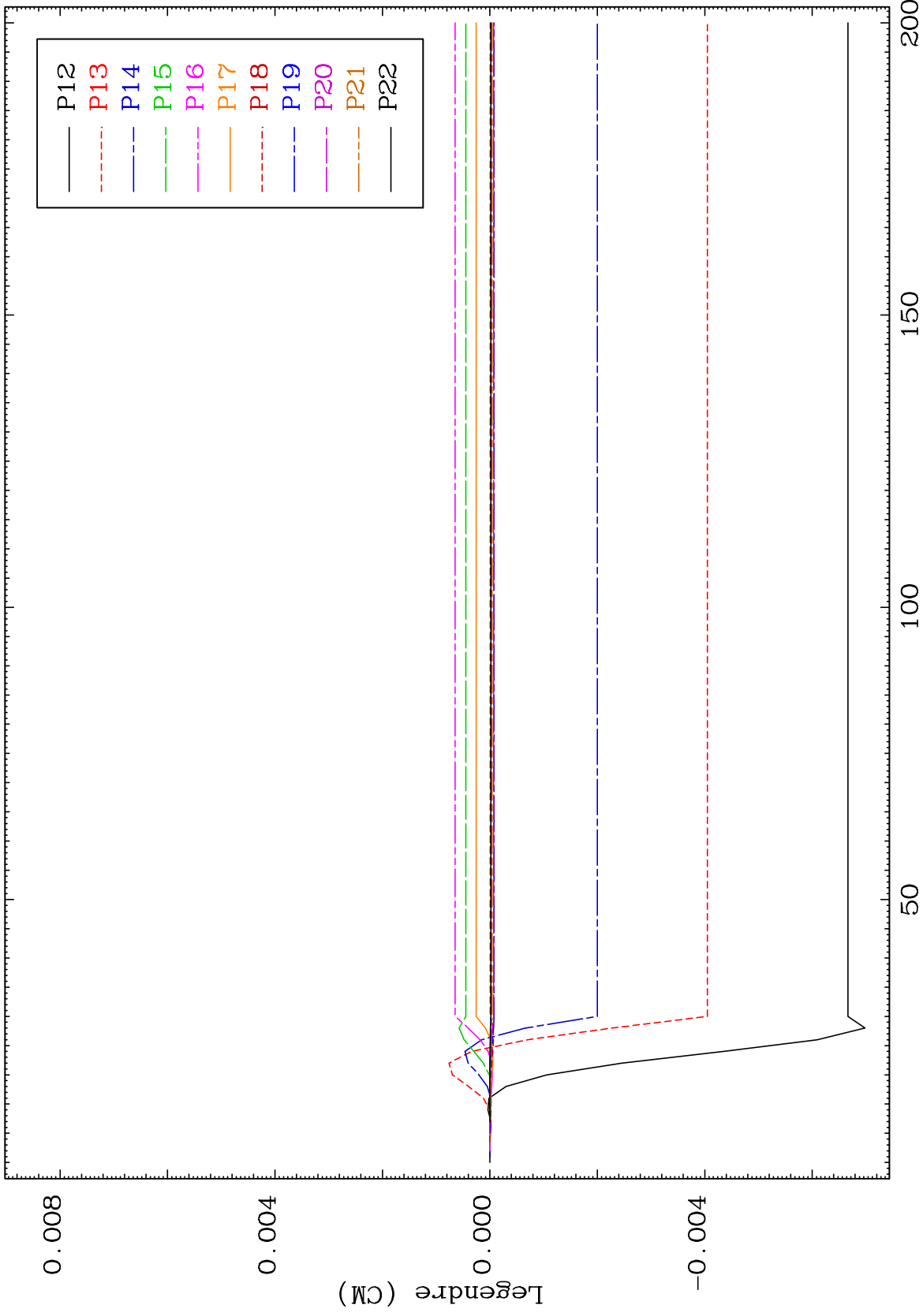
Incident Energy (MeV)

38-Sr-90

MAT 3843

3.784 MeV (n,n') Level  
Legendre Coefficients

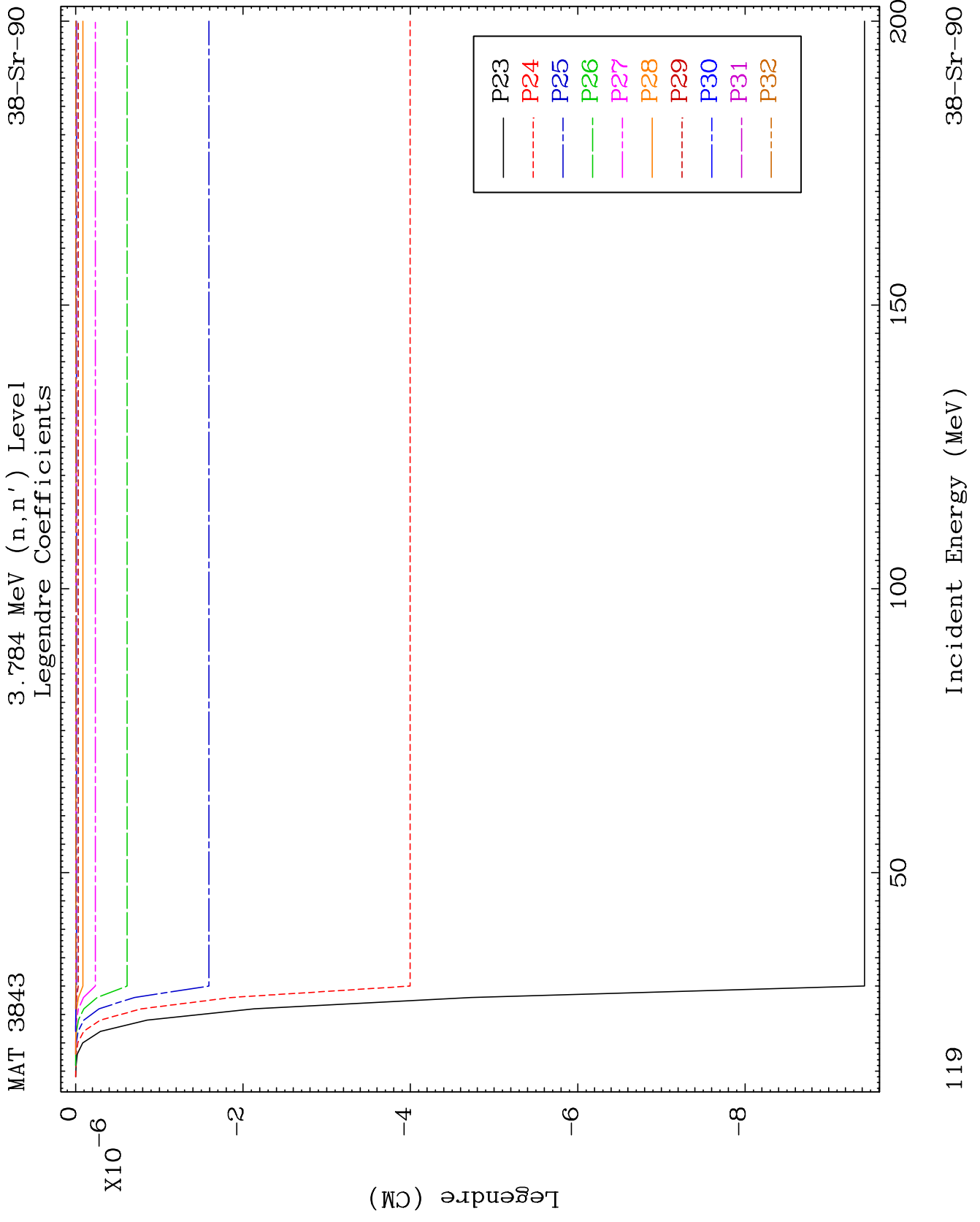
38-Sr-90



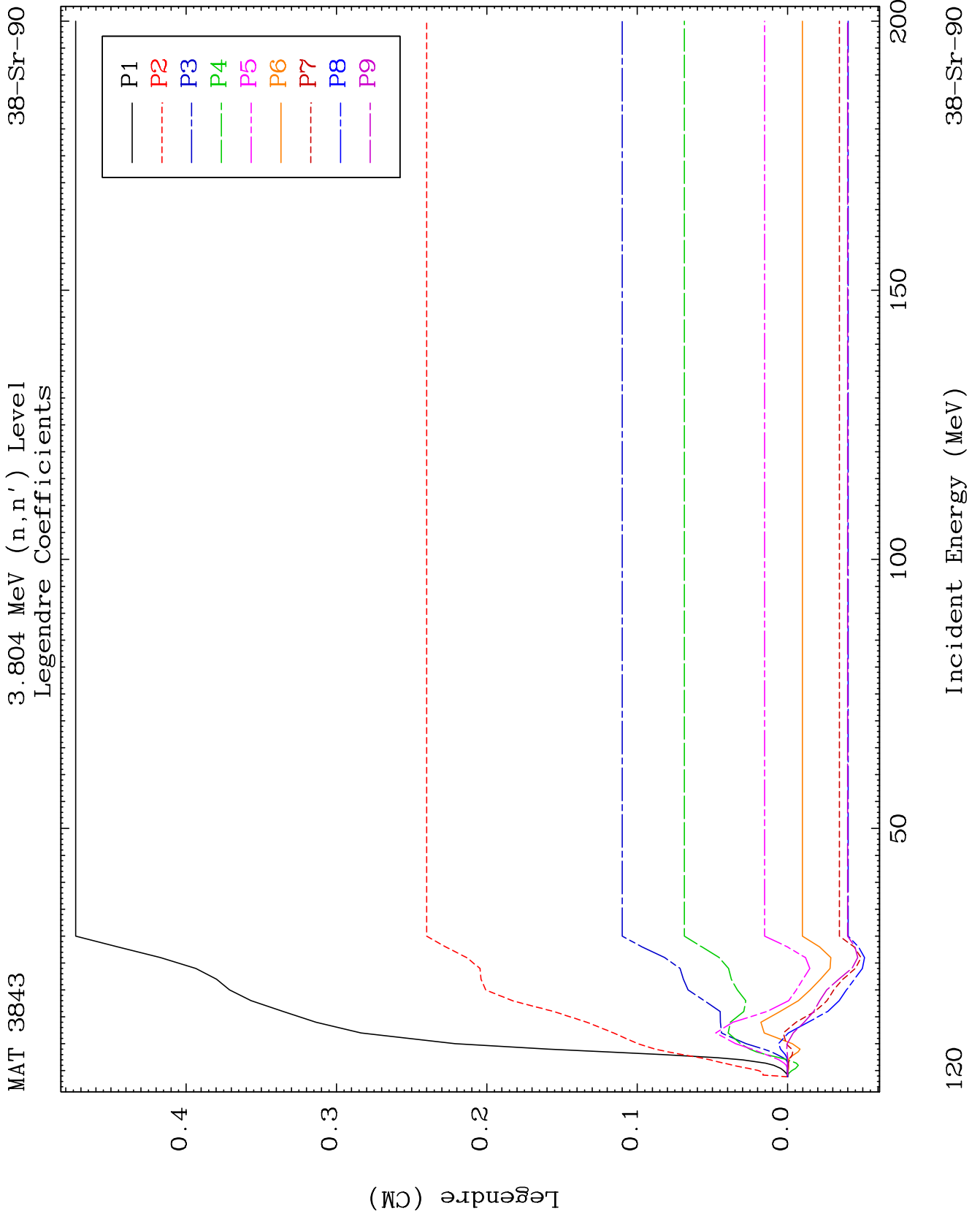
118

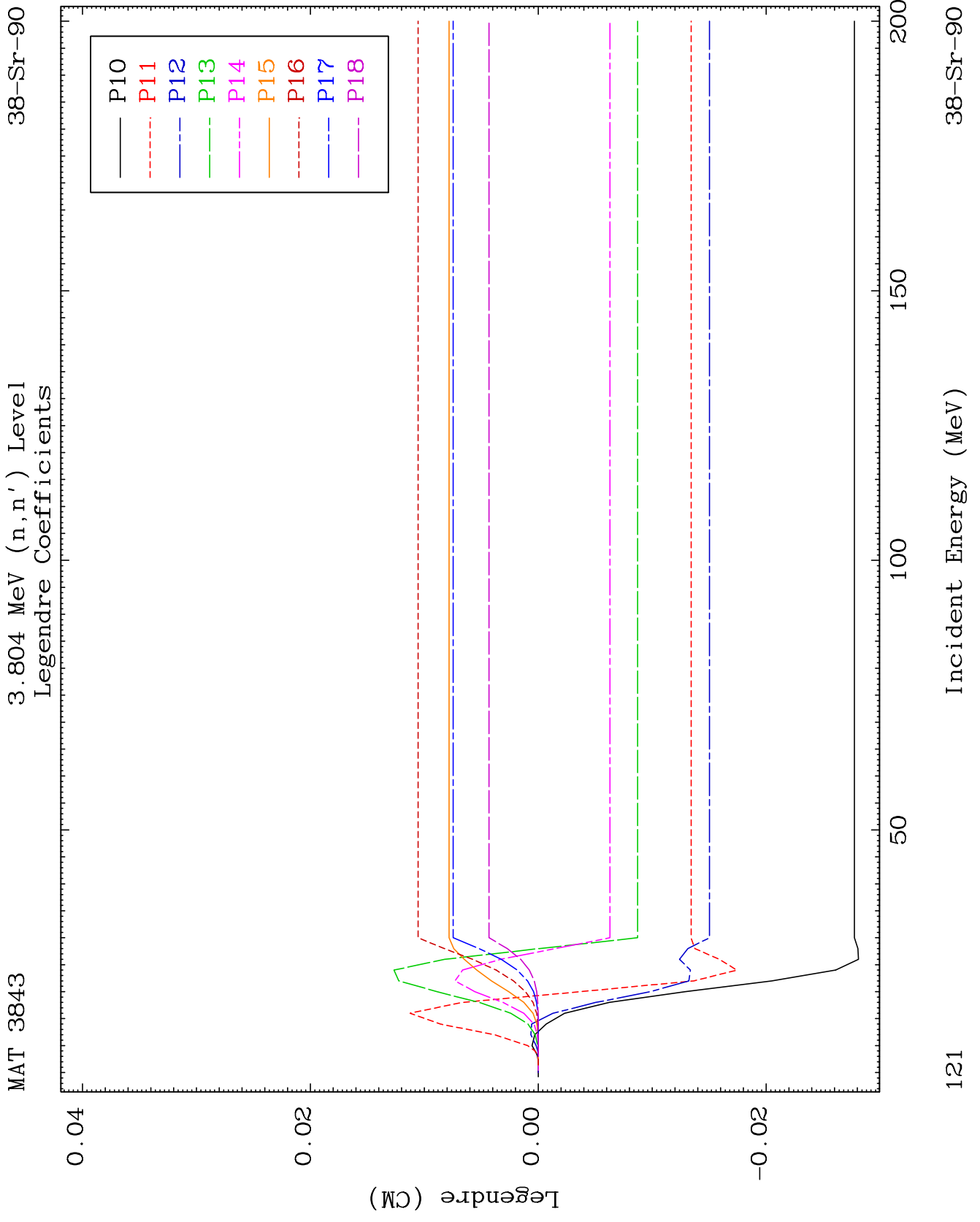
Incident Energy (MeV)

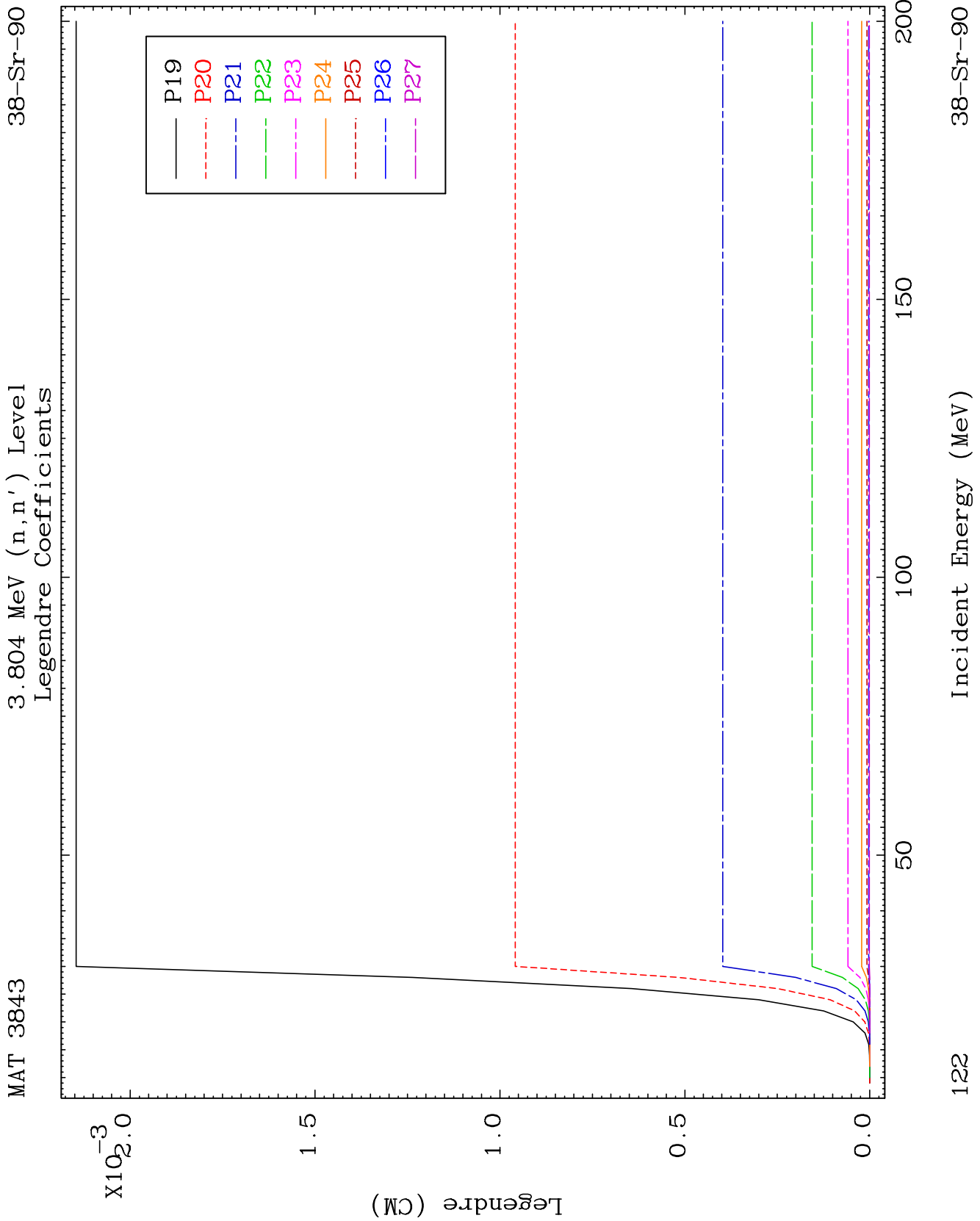
38-Sr-90

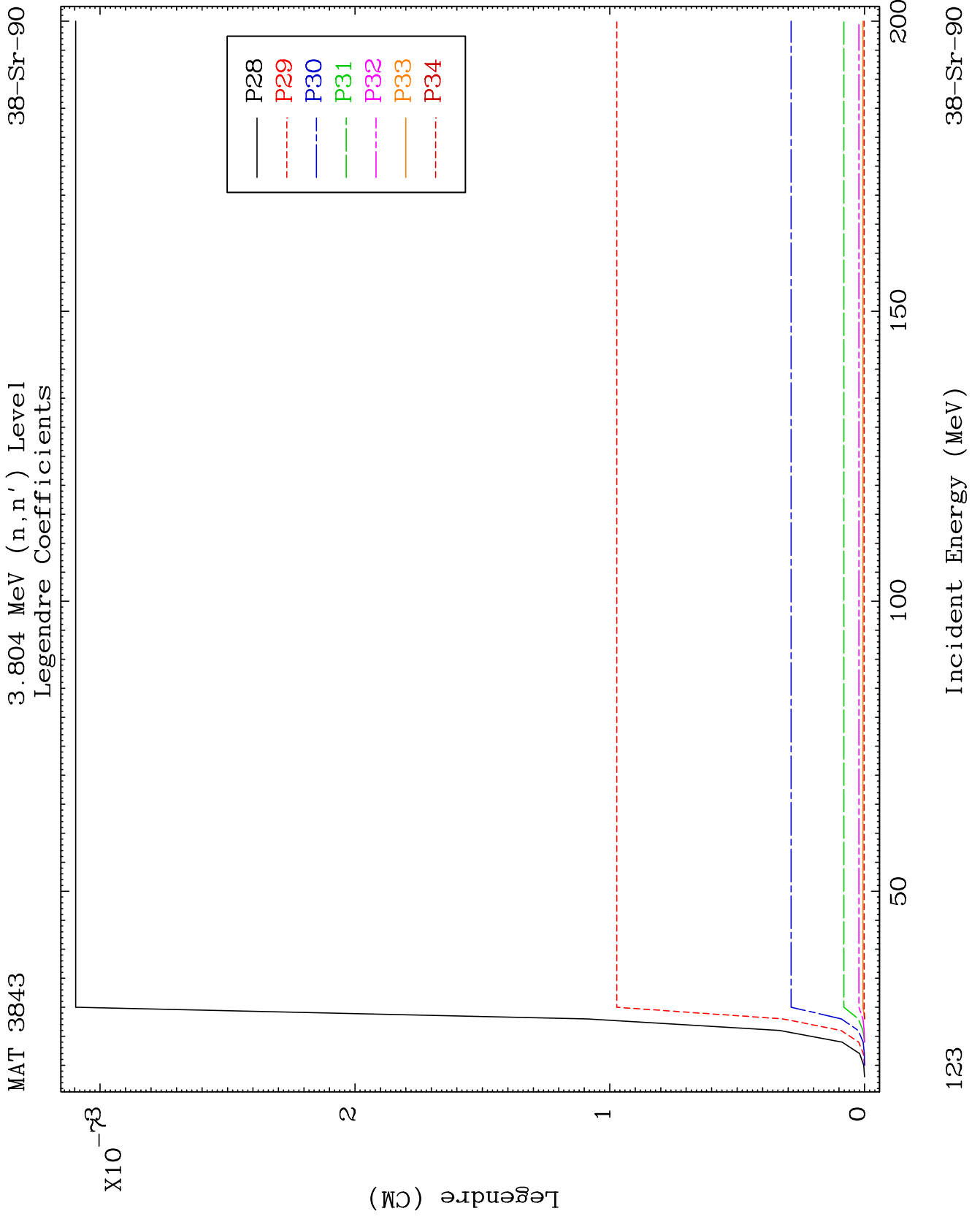










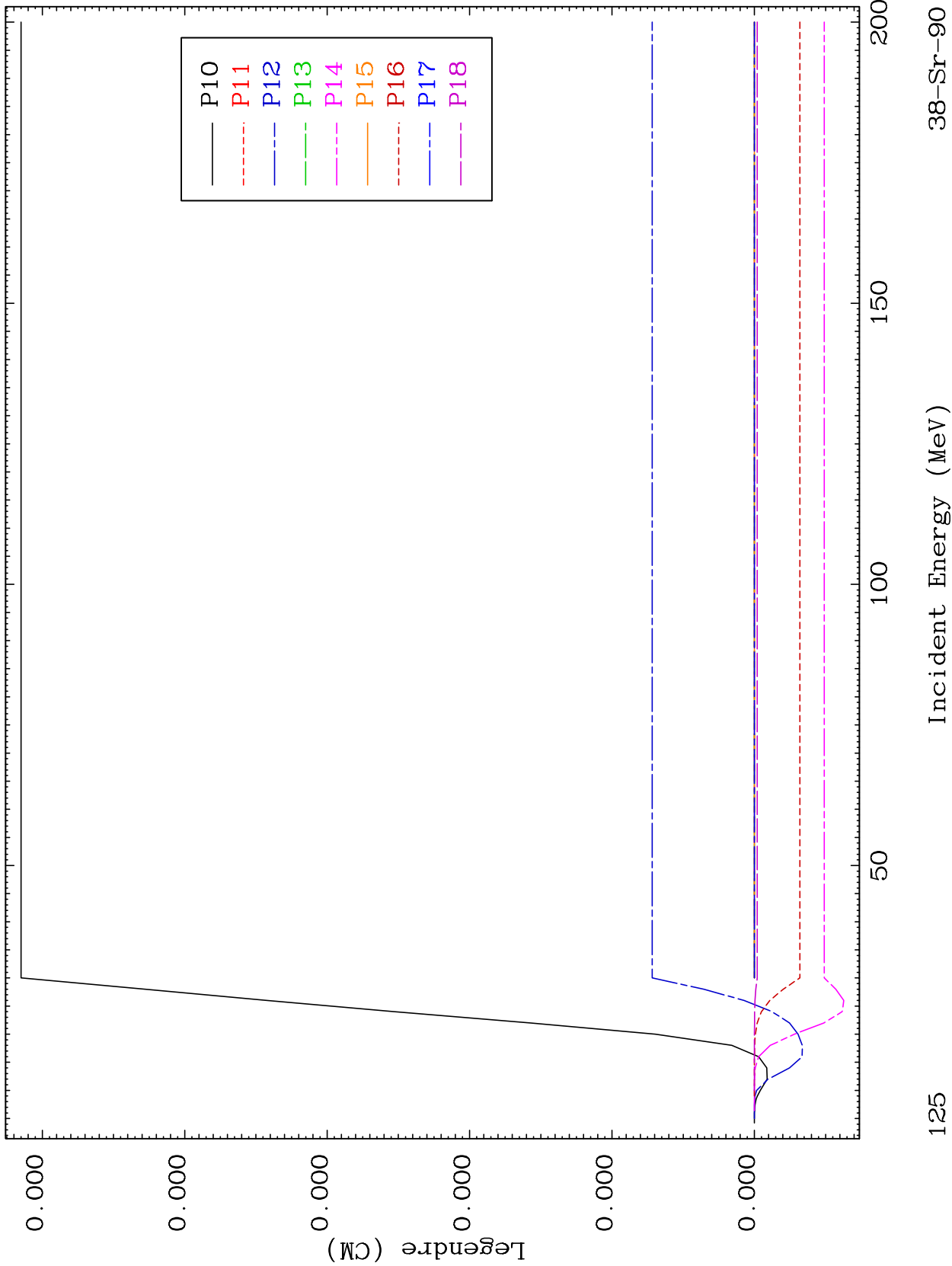




MAT 3843

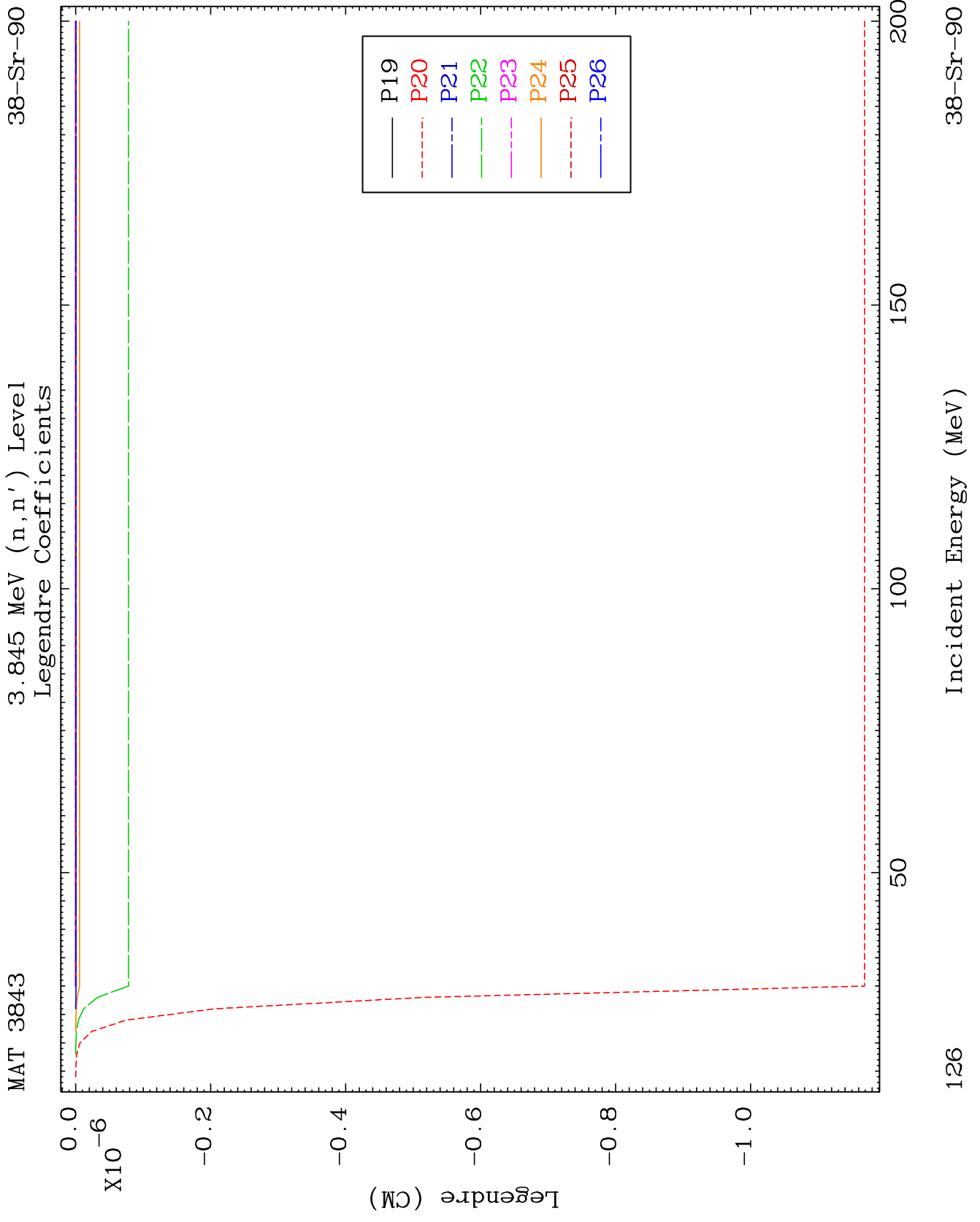
3.845 MeV (n,n') Level  
Legendre Coefficients

38-Sr-90



125

38-Sr-90

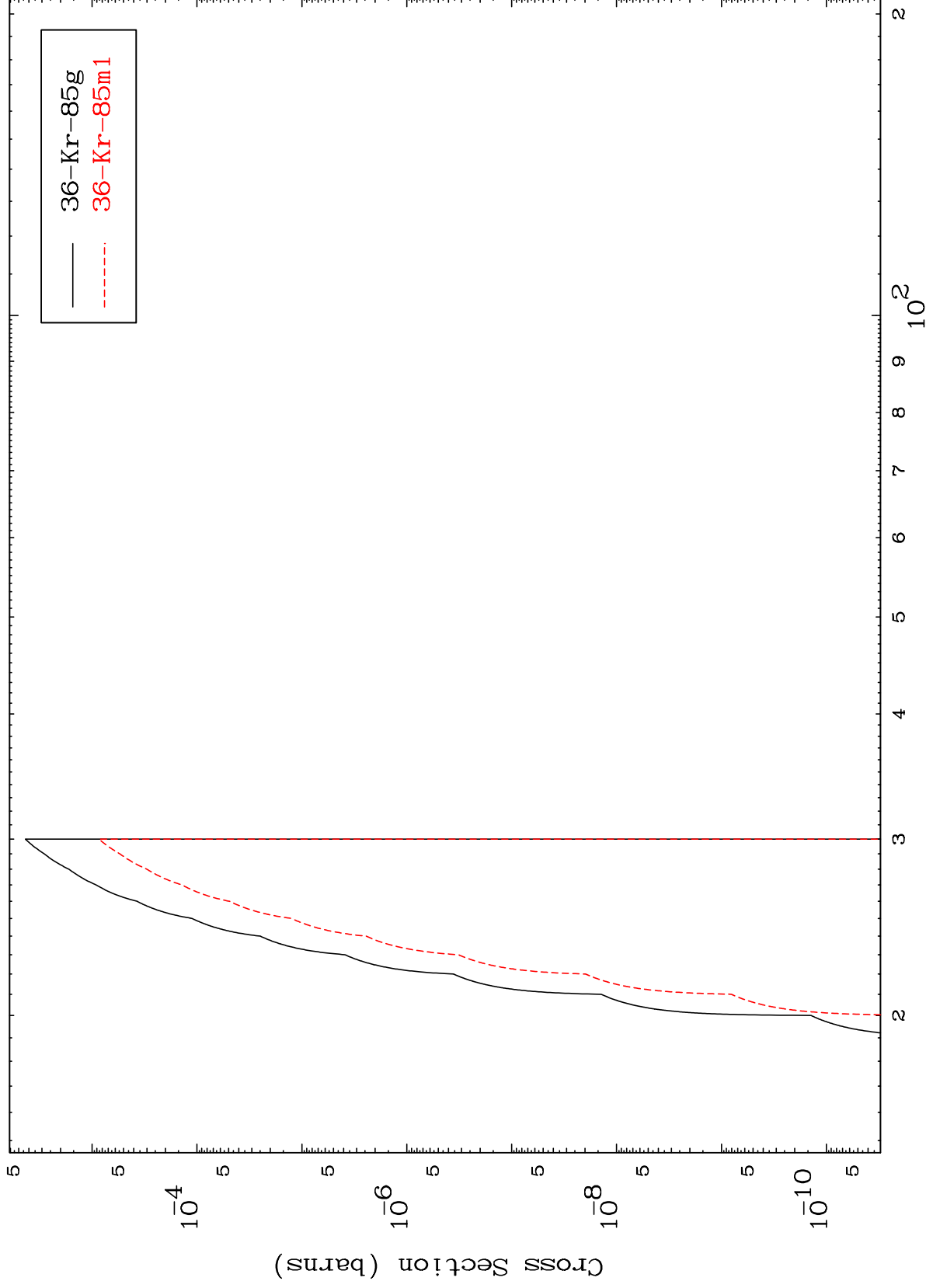


MAT 3843

$(n,2n) \alpha$

38-Sr-90

Radionuclide Production Cross Section



127

Incident Energy (MeV)

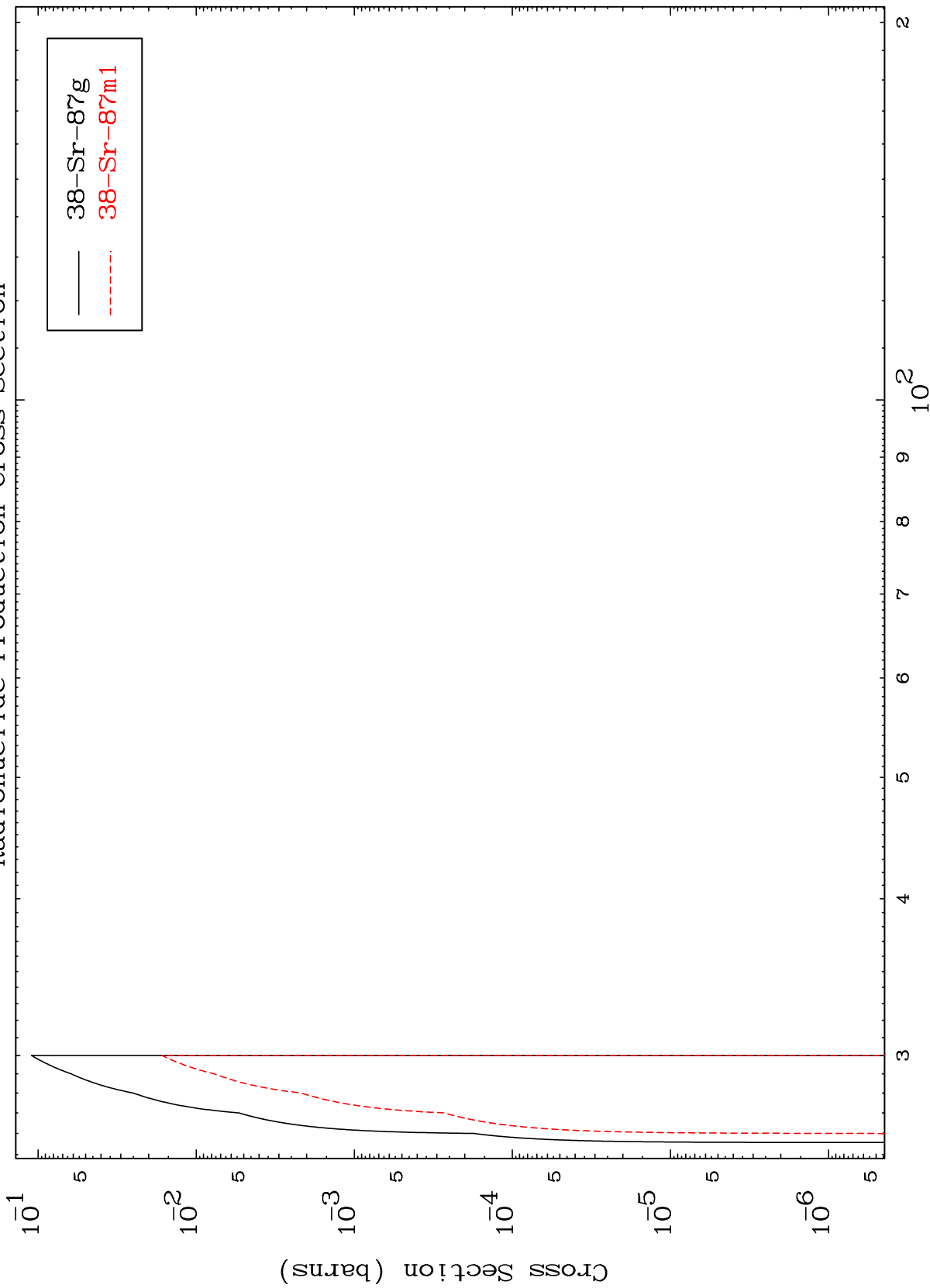
38-Sr-90



MAT 3843

38-Sr-90

(n,4n)  
Radionuclide Production Cross Section



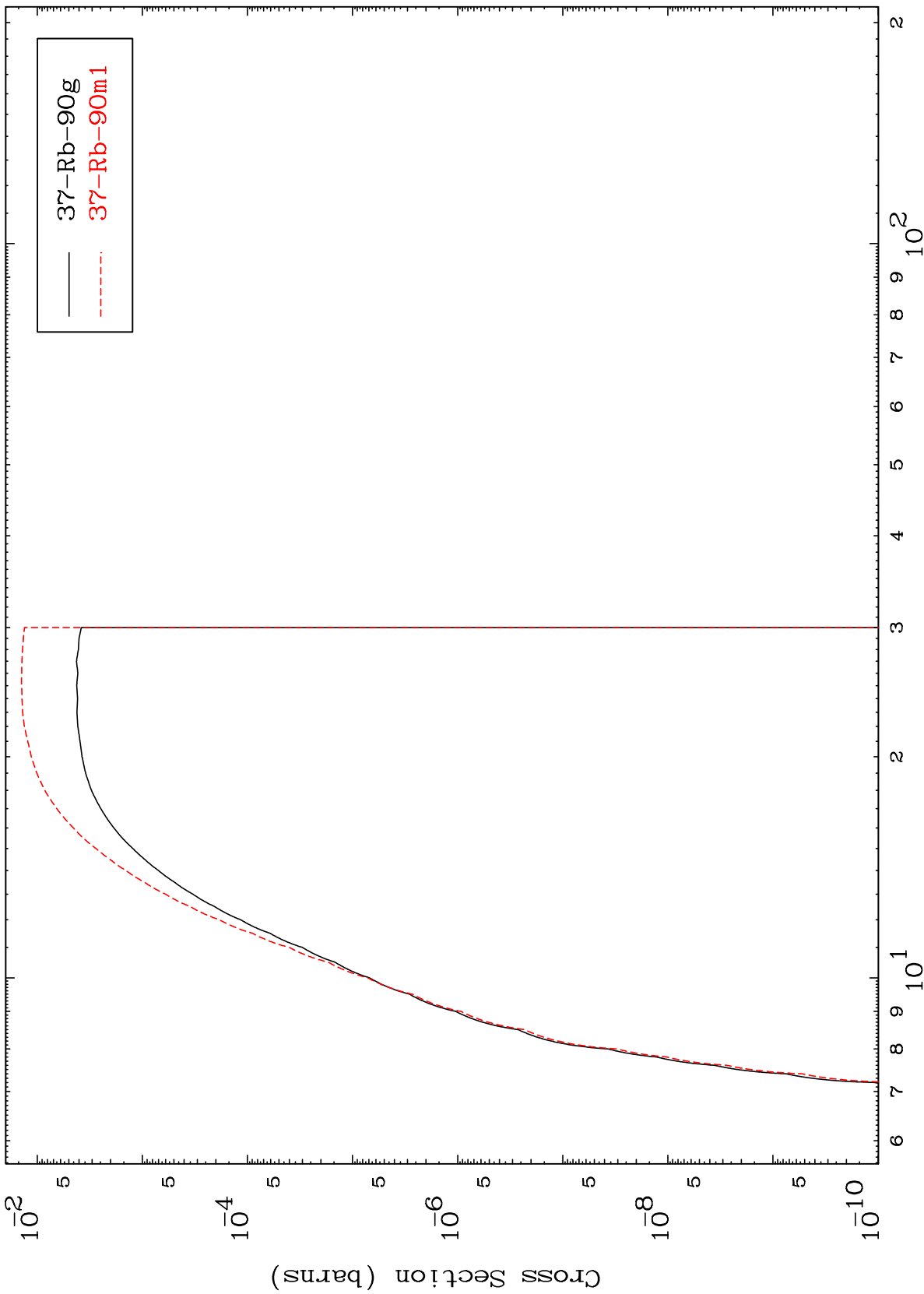
38-Sr-87g  
38-Sr-87m1

128

38-Sr-90

Incident Energy (MeV)

(n,p)  
Radionuclide Production Cross Section

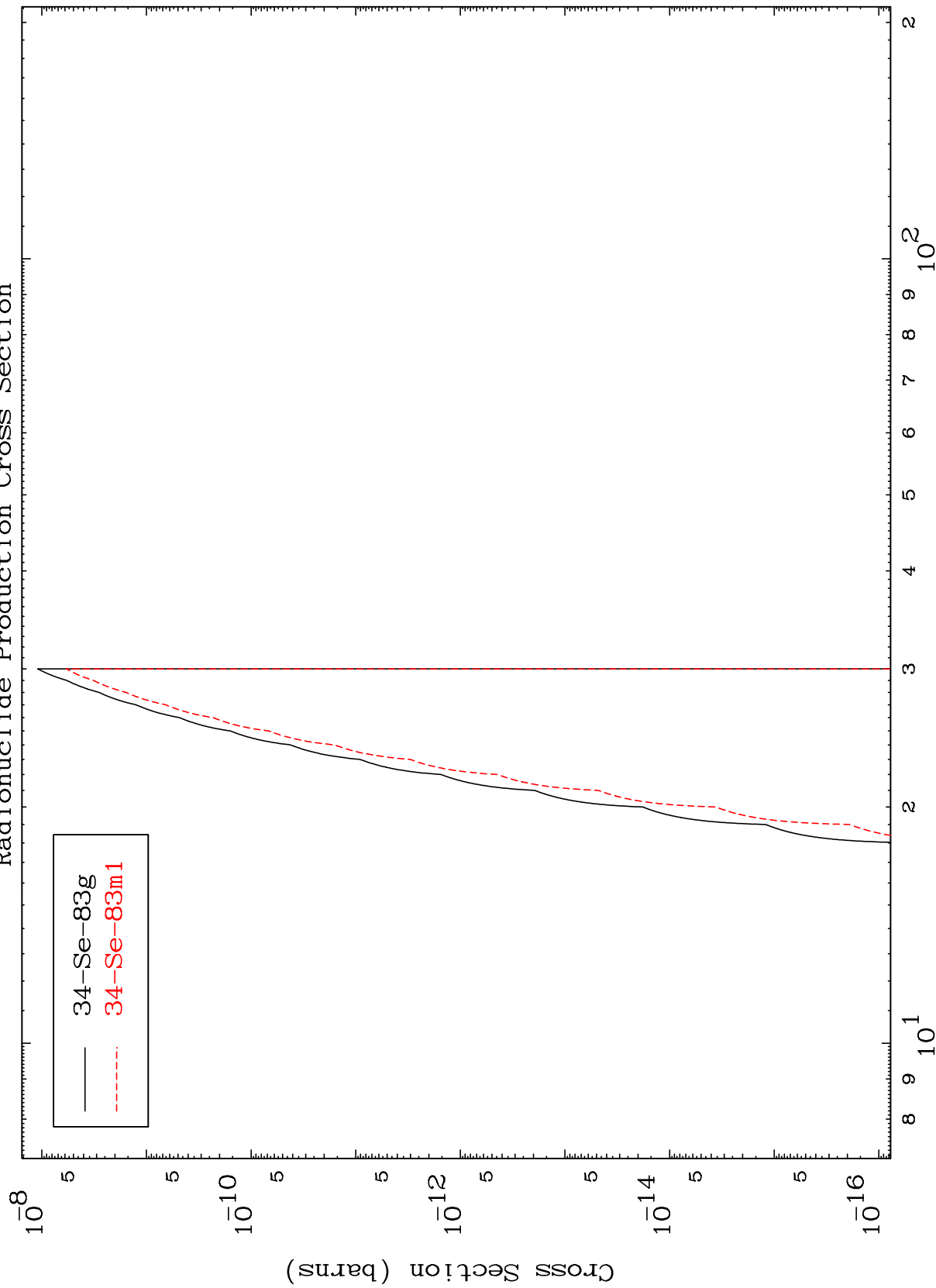


37-Rb-90g  
37-Rb-90m1

MAT 3843

38-Sr-90

Radionuclide Production Cross Section  
(n,2α)



130

Incident Energy (MeV)

38-Sr-90