

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

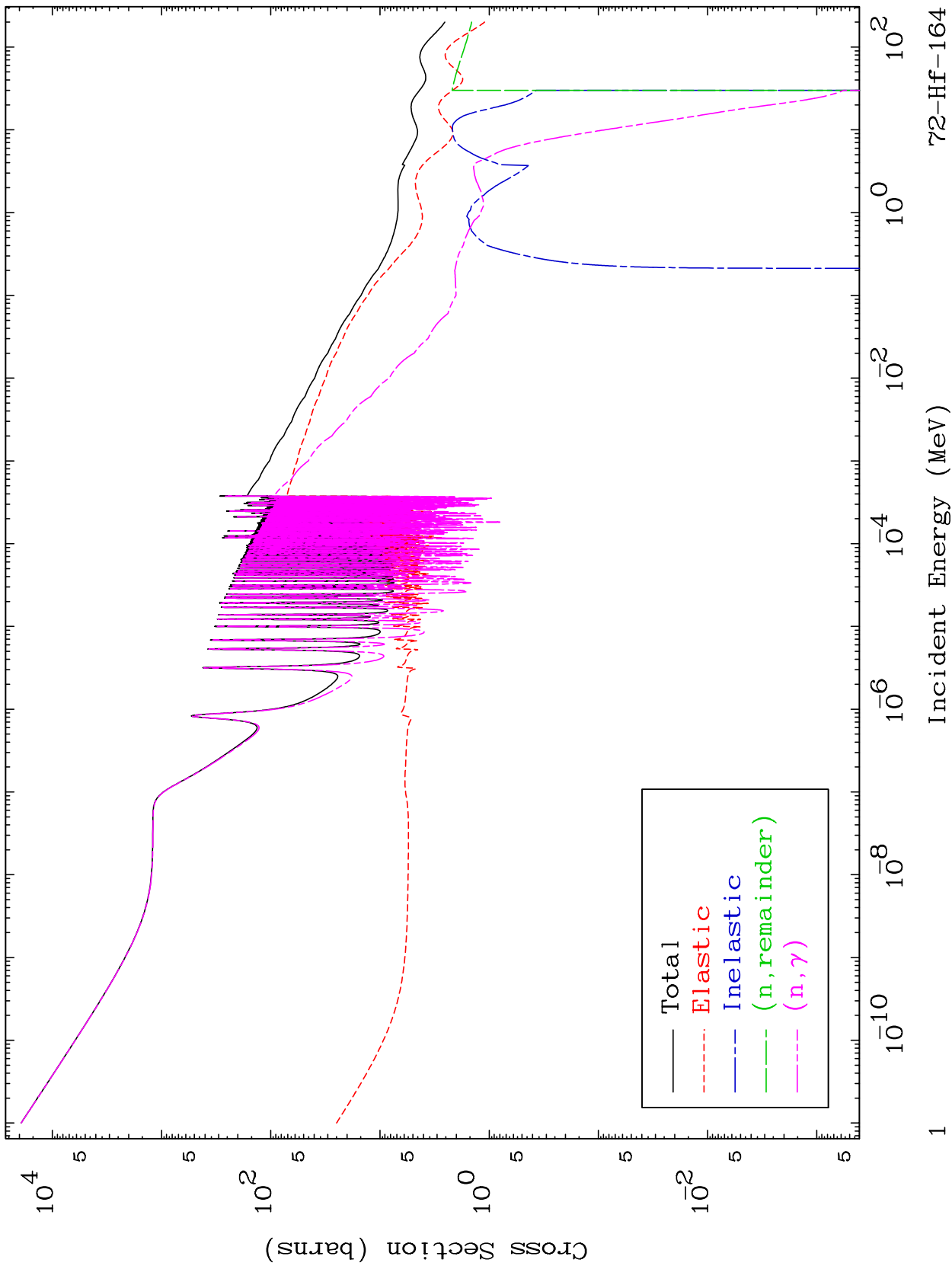
Press Mouse Button to Start

MAT 7195

Major

293 Kelvin Cross Sections

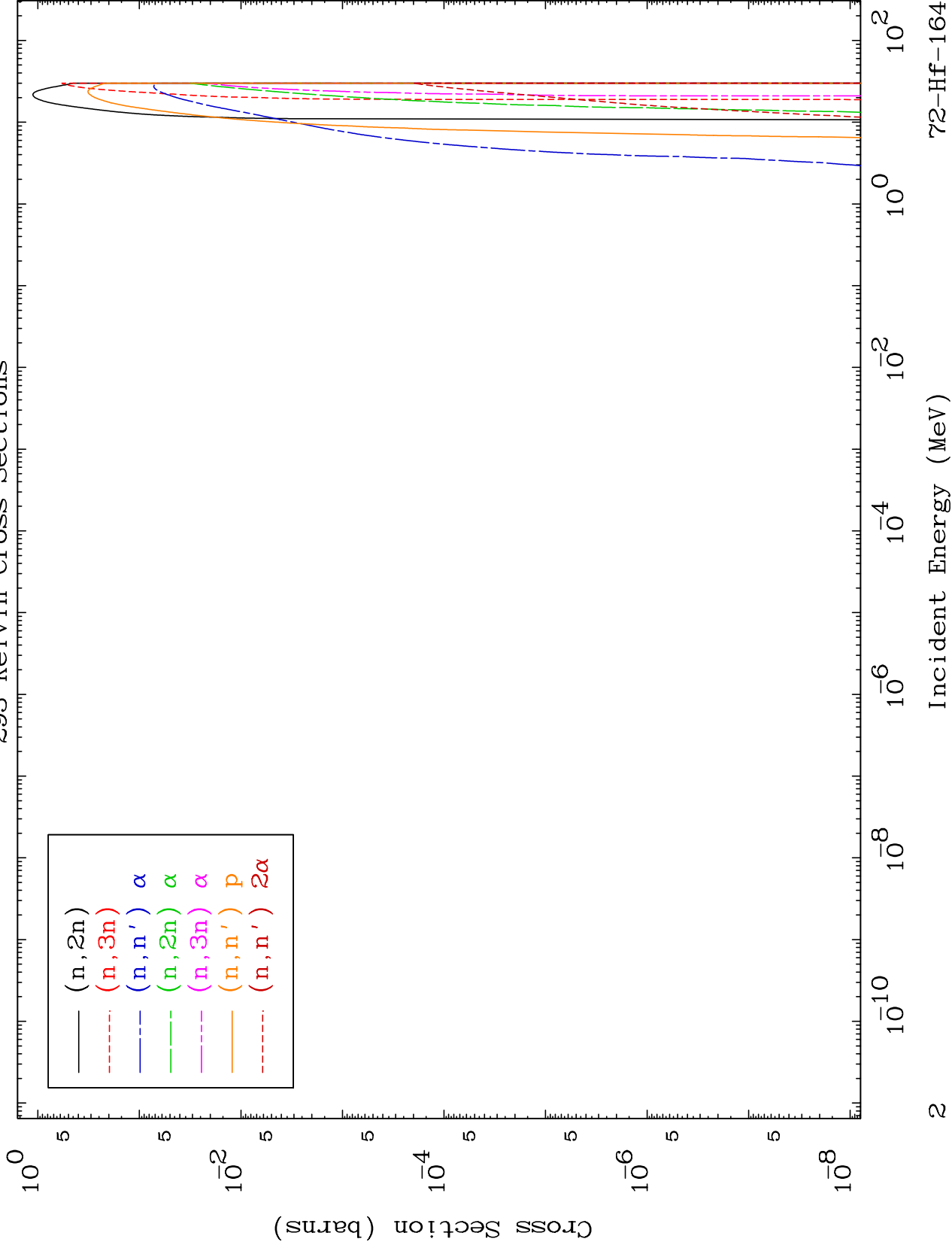
72-Hf-164

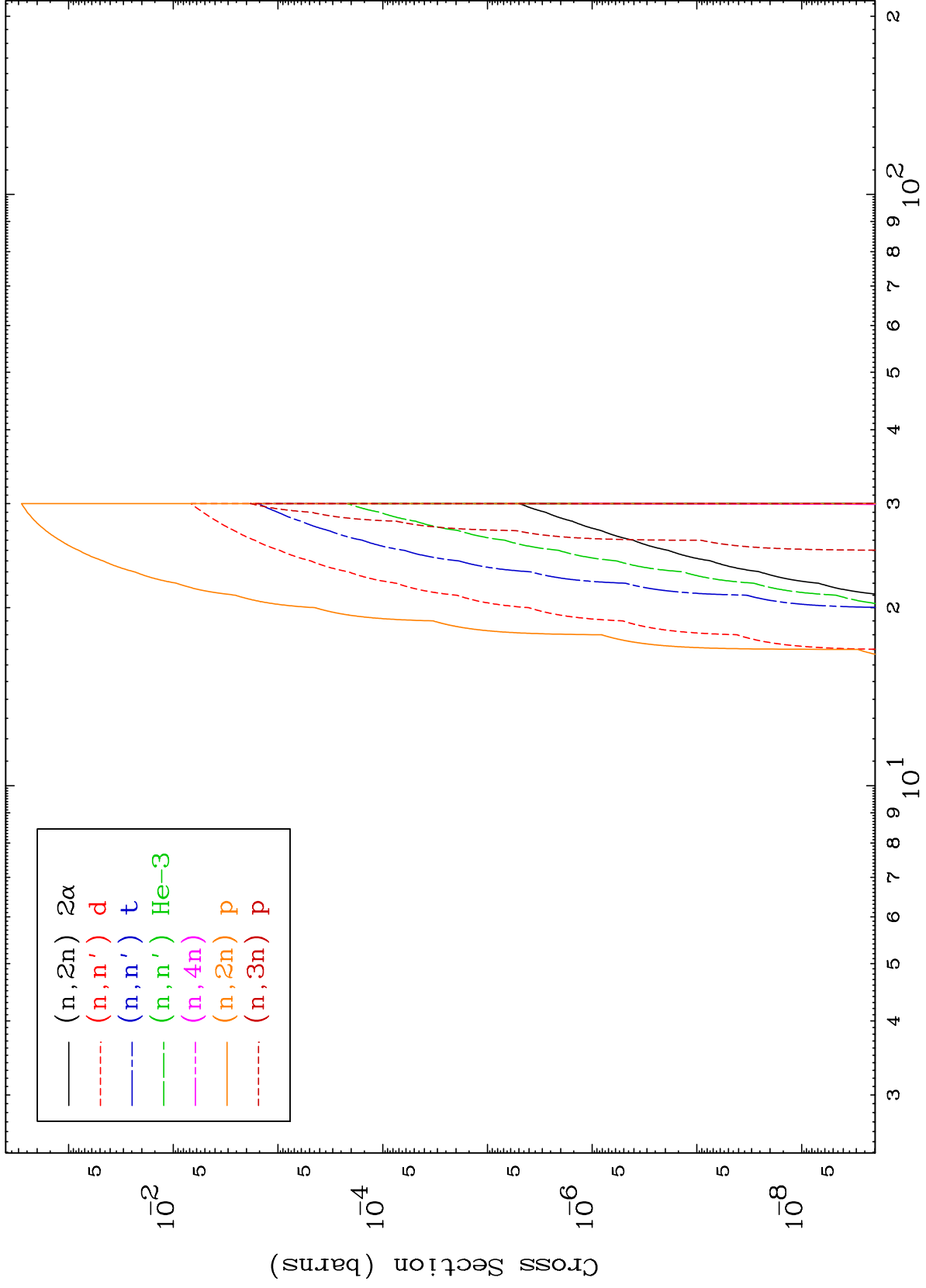


MAT 7195

Neutron Production  
293 Kelvin Cross Sections

72-Hf-164

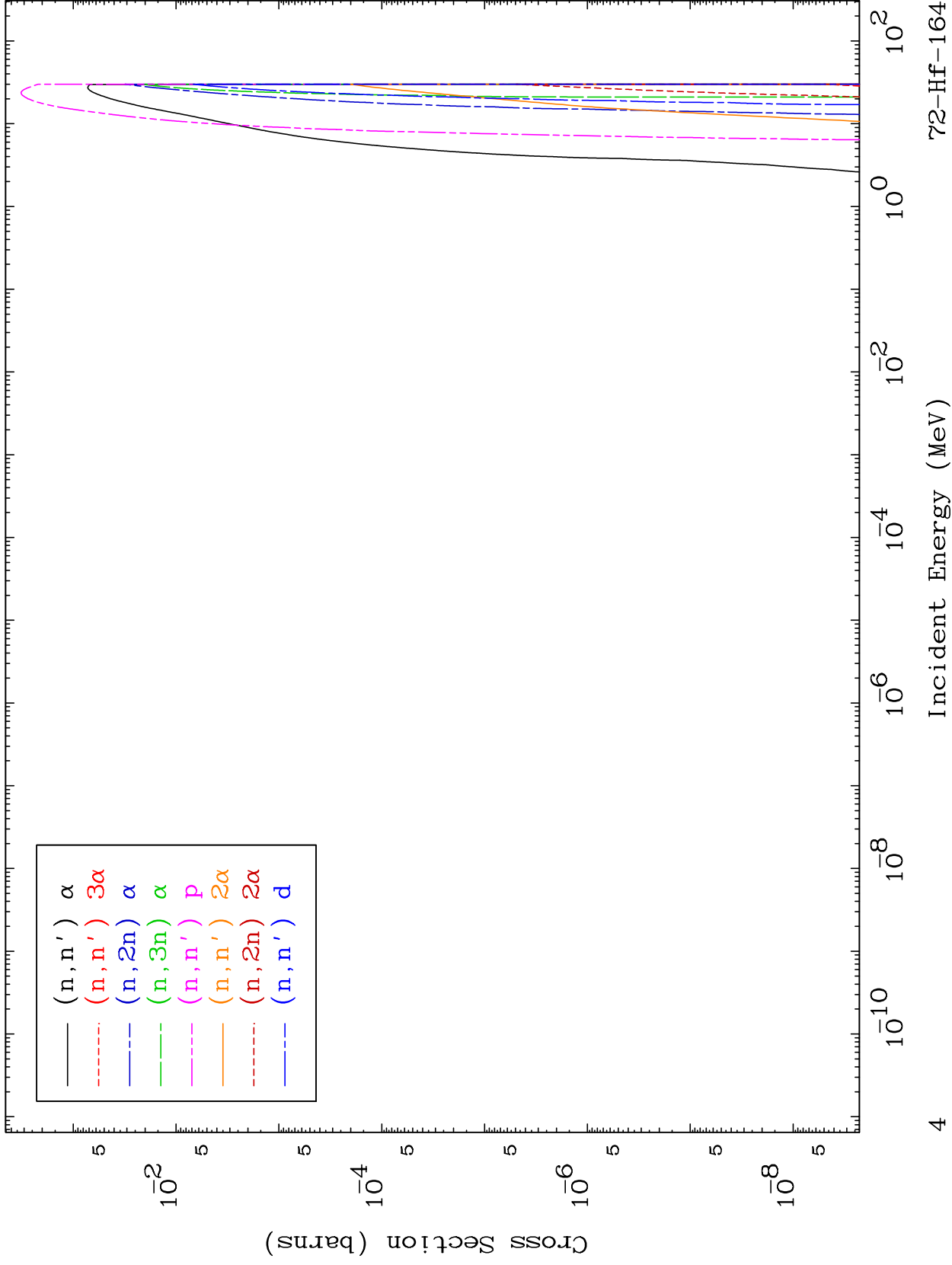




MAT 7195

Charged Particle  
293 Kelvin Cross Sections

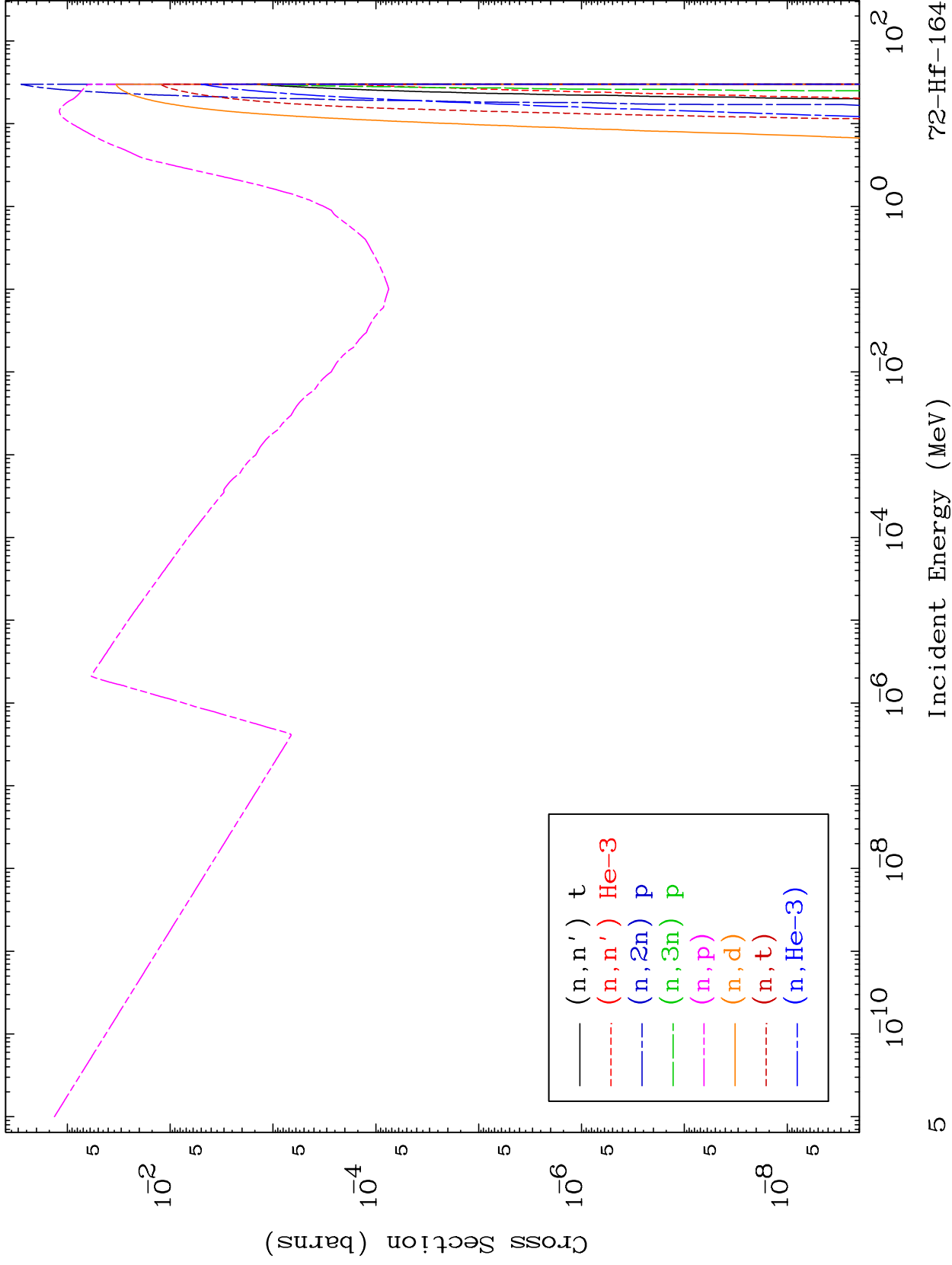
72-Hf-164



MAT 7195

Charged Particle  
293 Kelvin Cross Sections

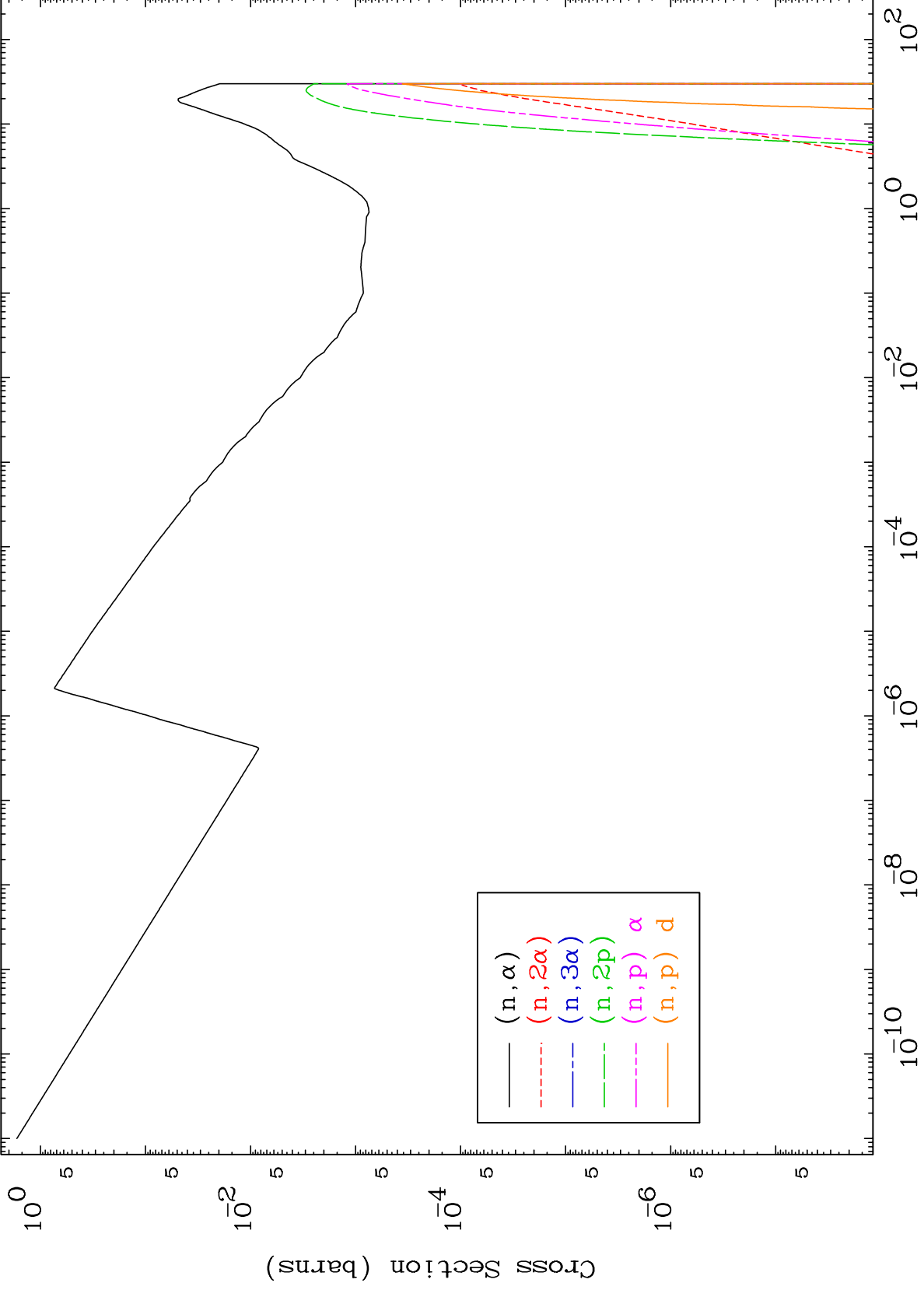
72-Hf-164

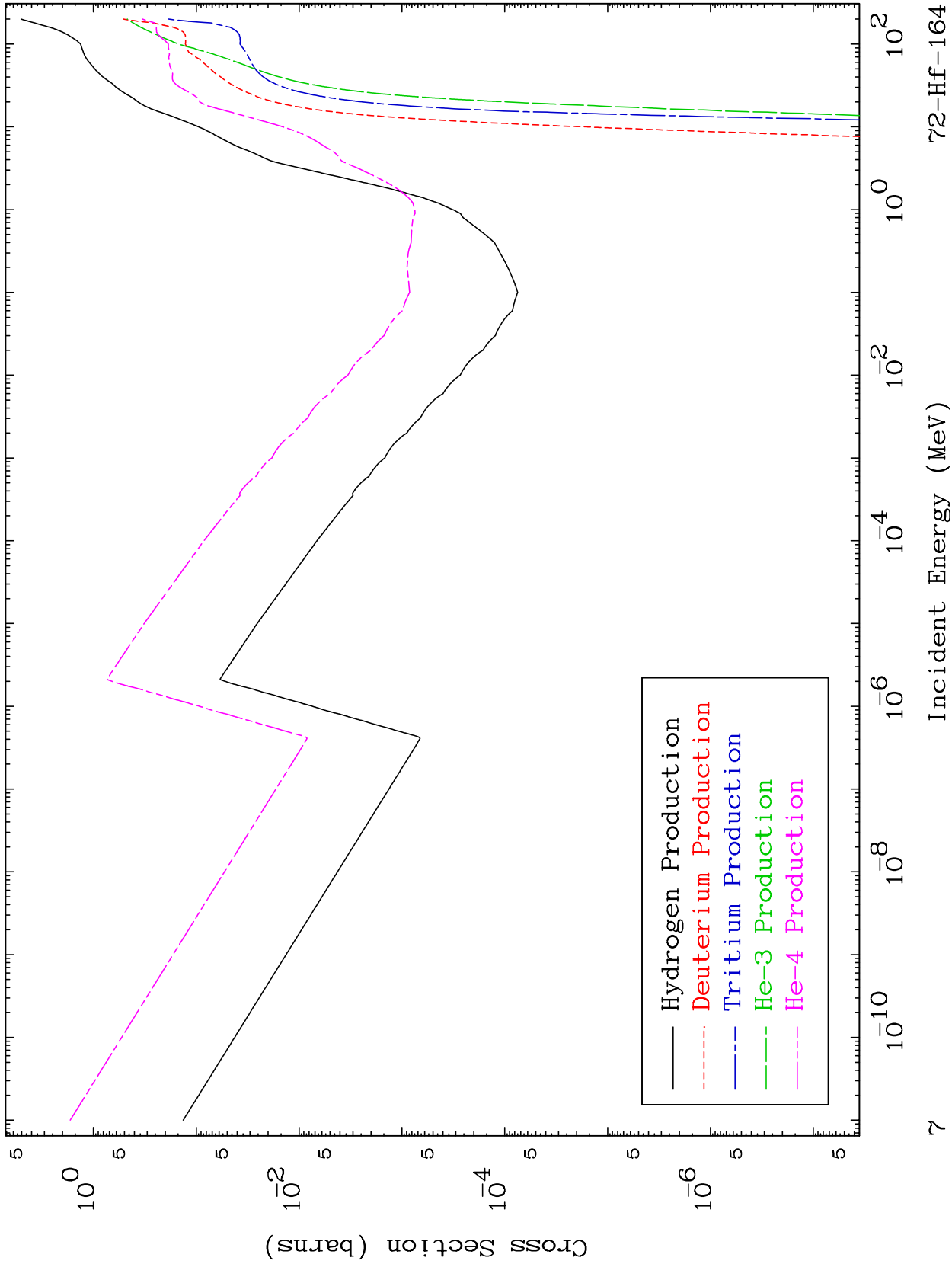


MAT 7195

Charged Particle  
293 Kelvin Cross Sections

72-Hf-164





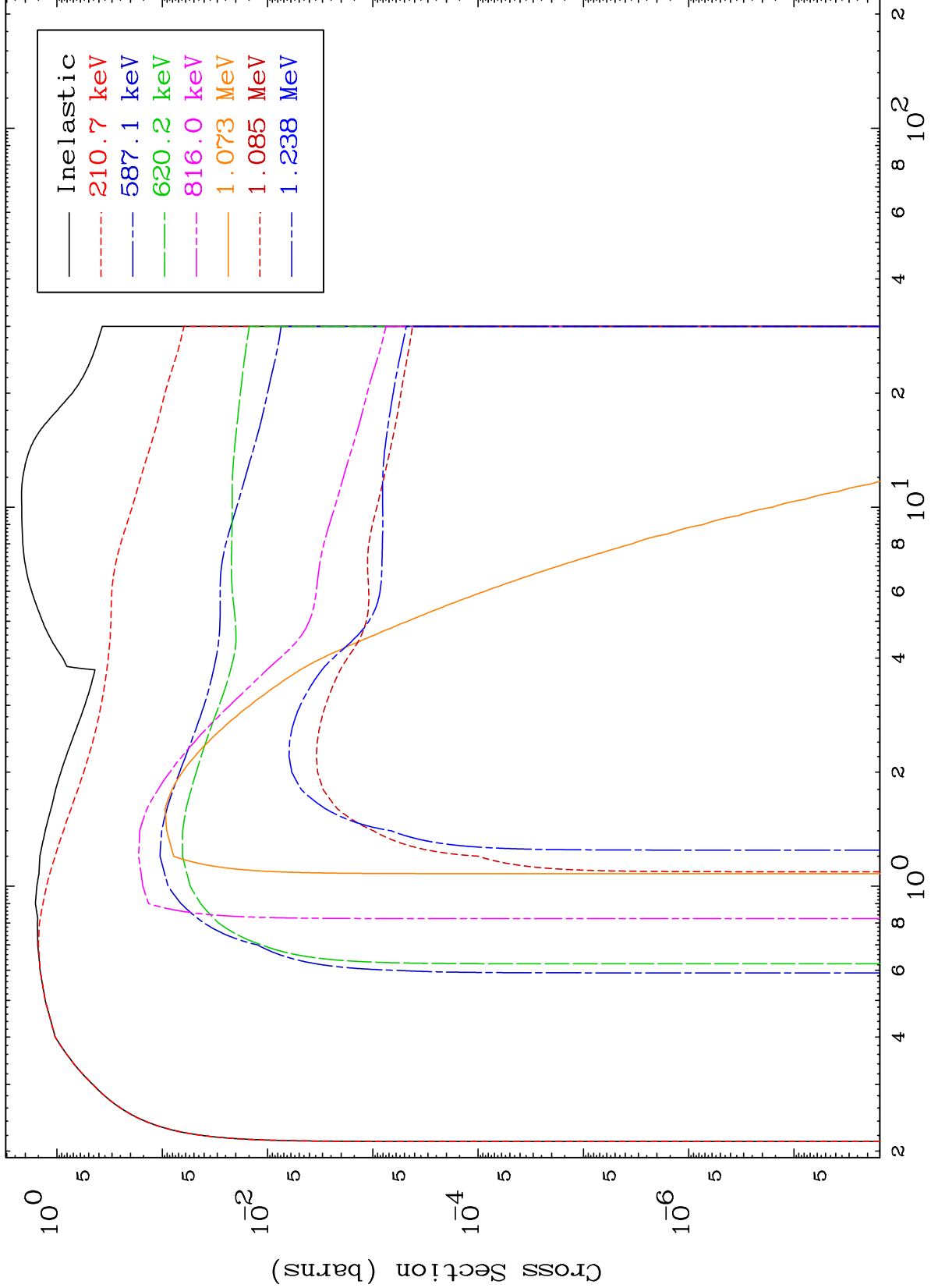


MAT 7195

(n,n') Level

72-Hf-164

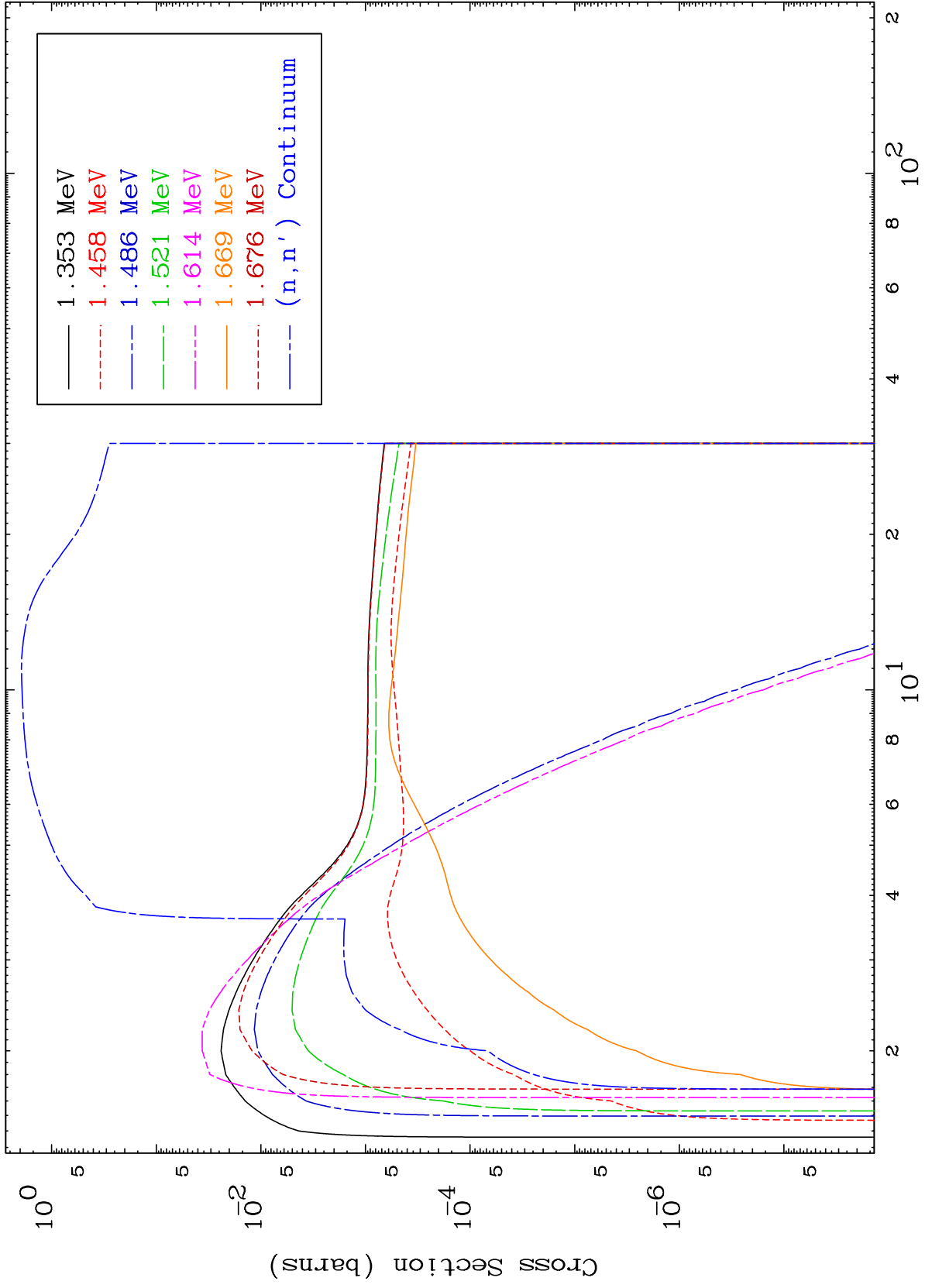
293 Kelvin Cross Sections



8

Incident Energy (MeV)

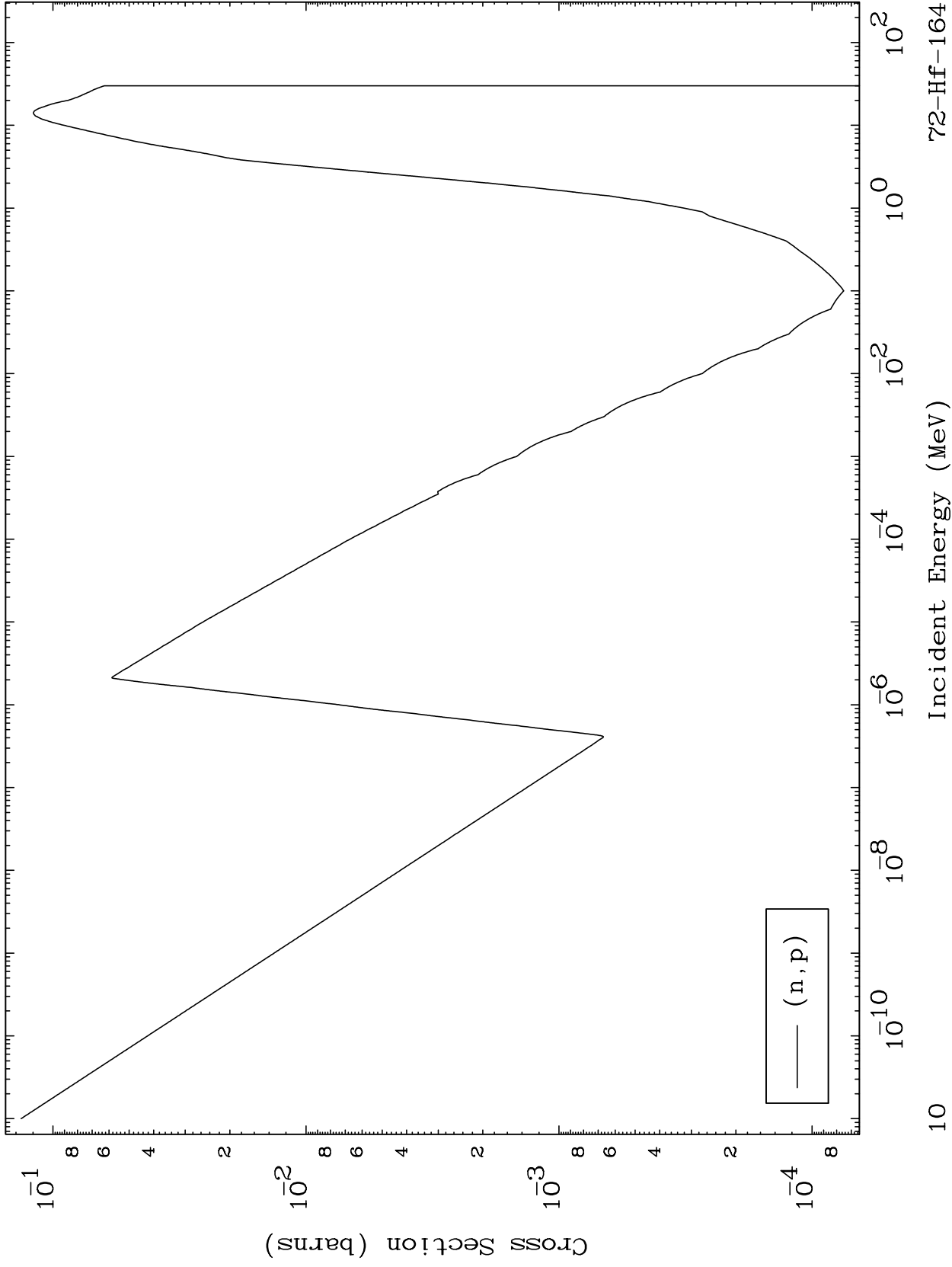
72-Hf-164



MAT 7195

(n,p) Levels  
293 Kelvin Cross Sections

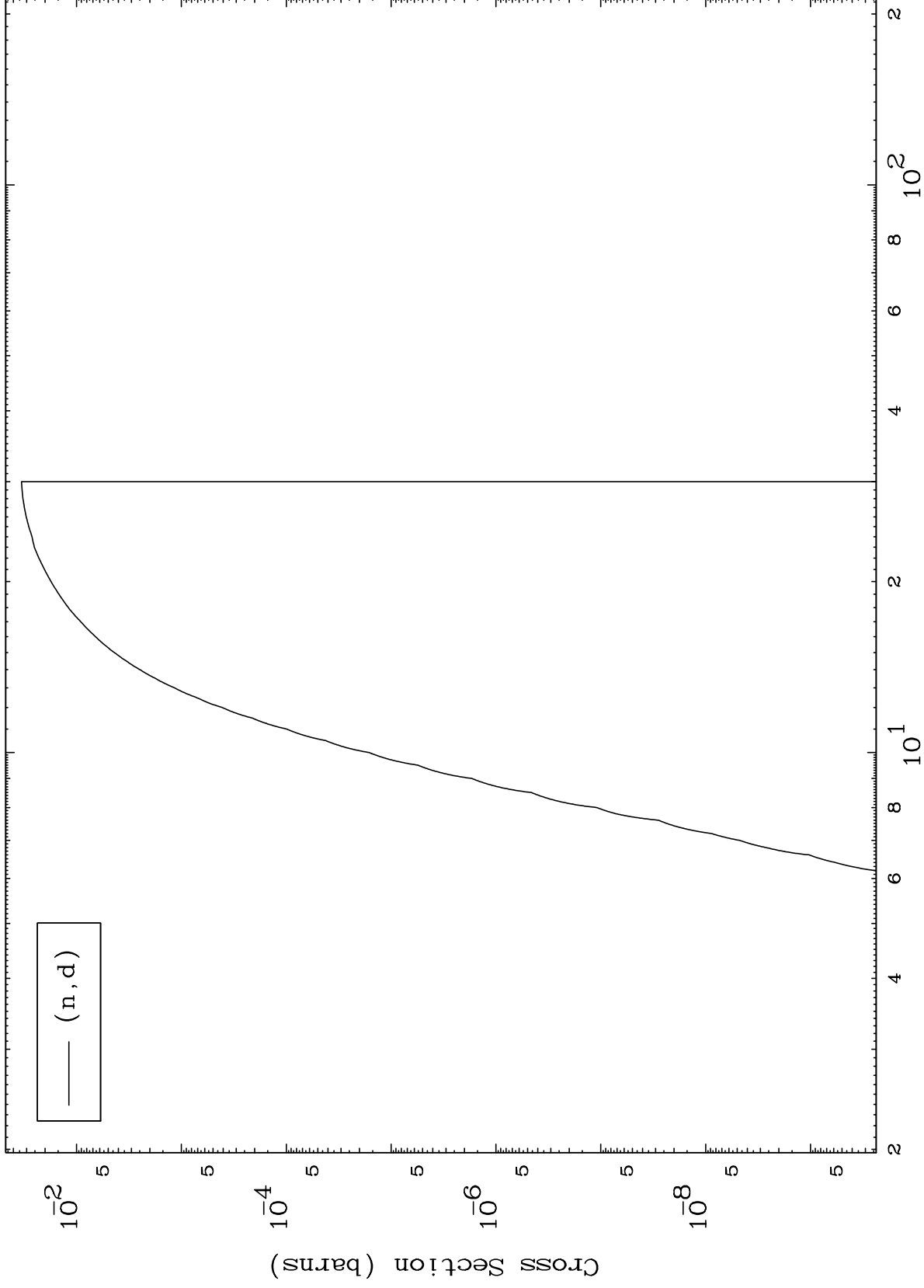
72-Hf-164



MAT 7195

(n,d) Levels  
293 Kelvin Cross Sections

72-Hf-164



11

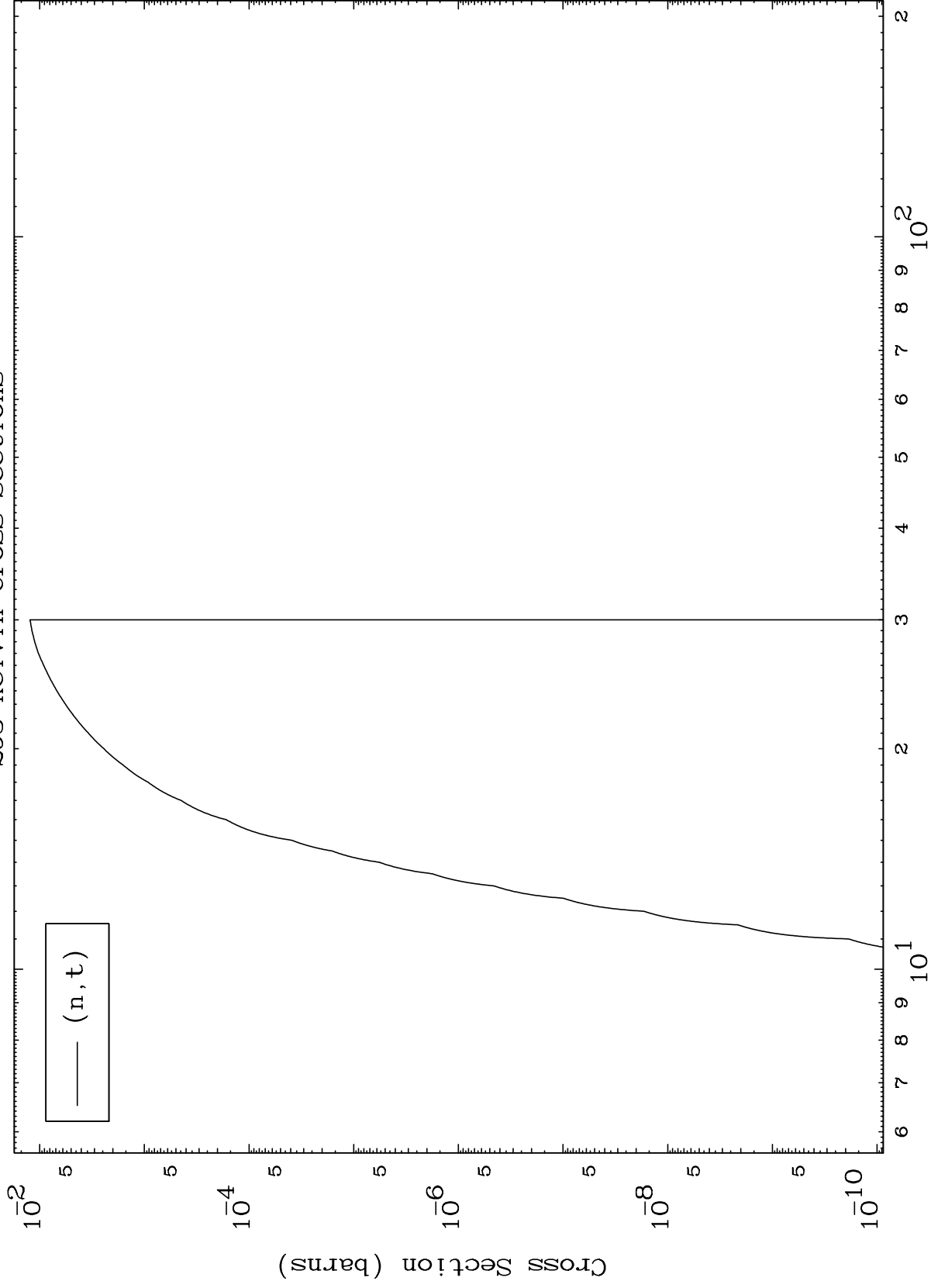
Incident Energy (MeV)

72-Hf-164

MAT 7195

(n, t) Levels  
293 Kelvin Cross Sections

72-Hf-164



12

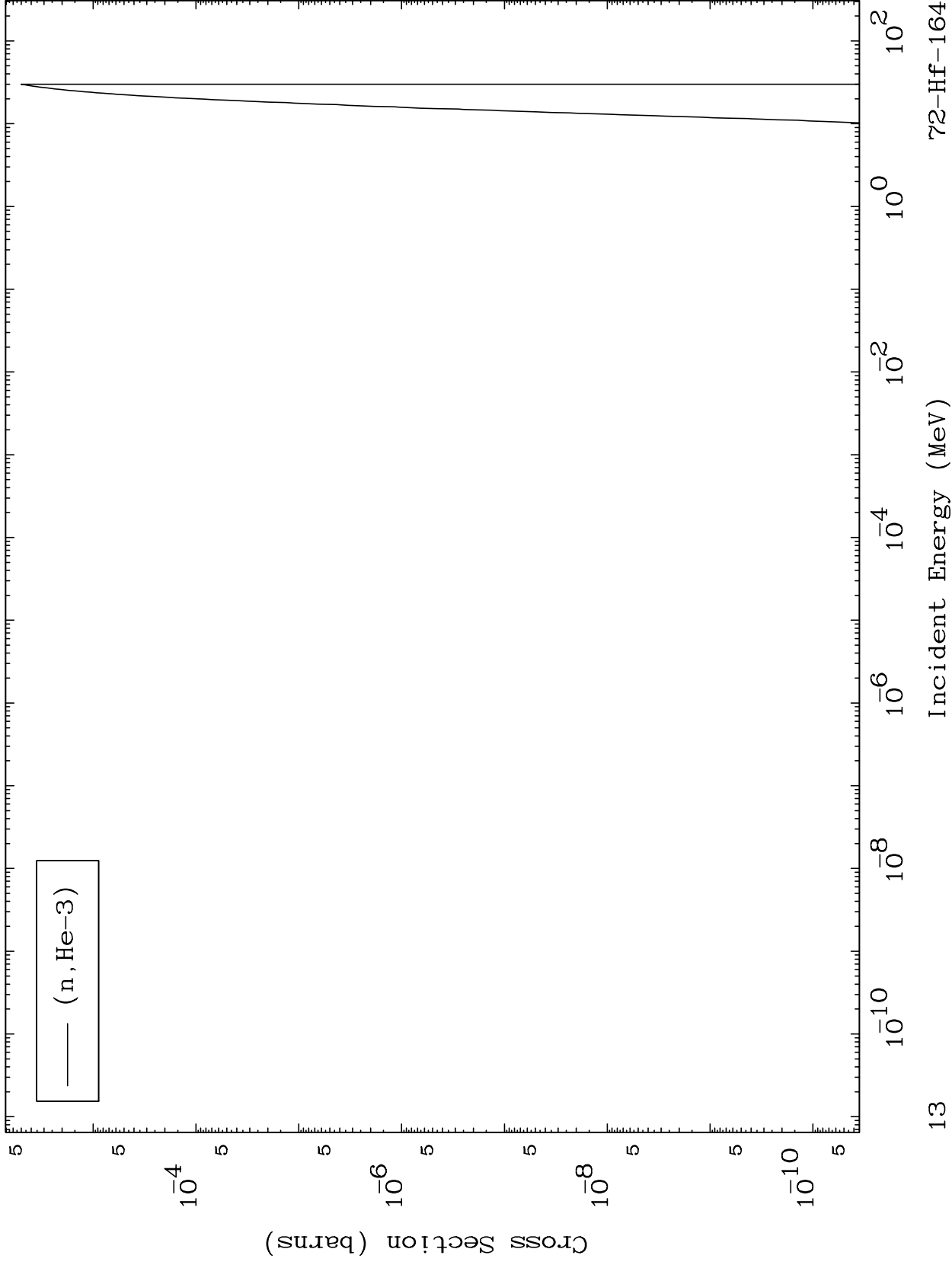
Incident Energy (MeV)

72-Hf-164

MAT 7195

(n,He3) Levels  
293 Kelvin Cross Sections

72-Hf-164



13

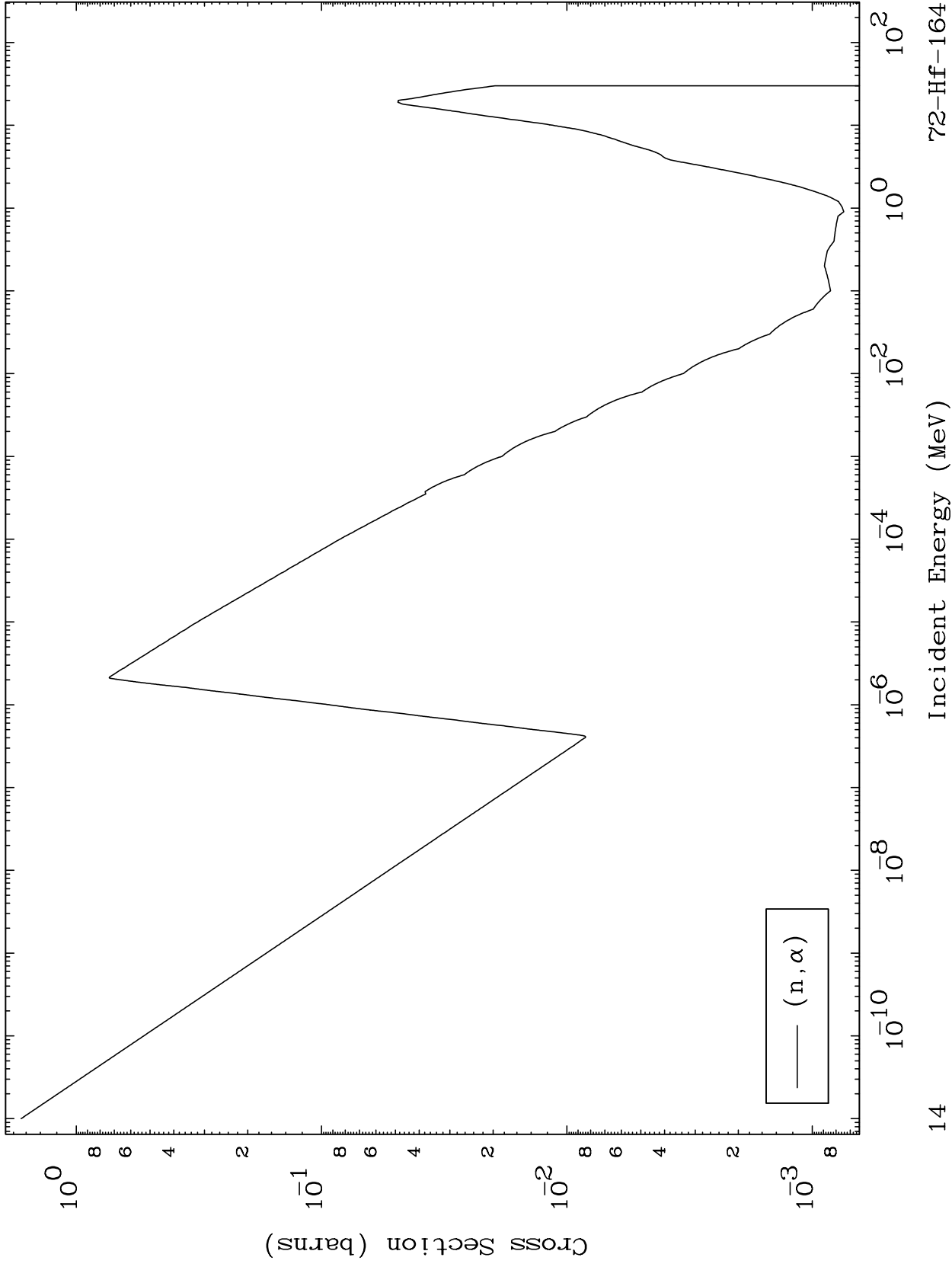
Incident Energy (MeV)

72-Hf-164

MAT 7195

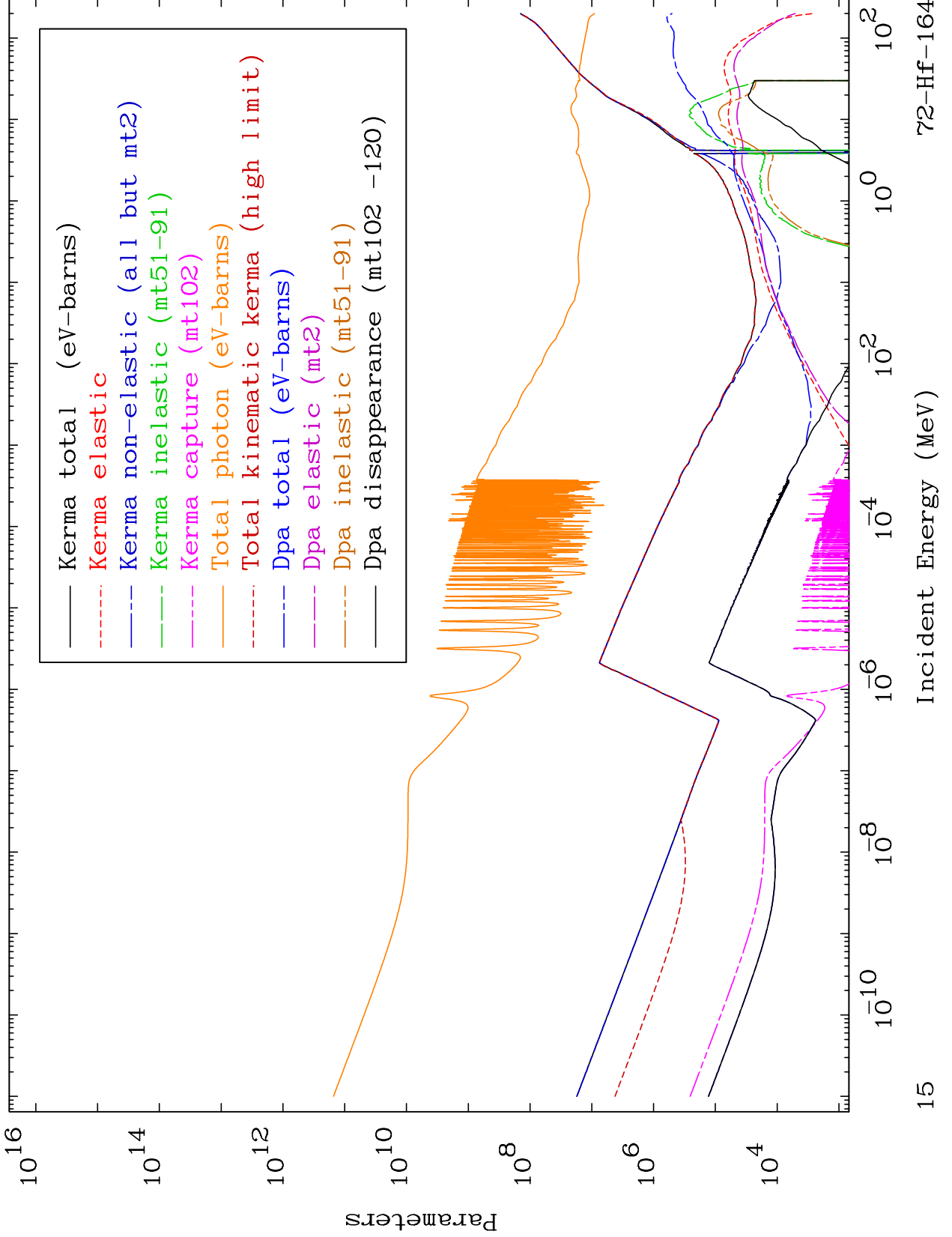
(n,α) Levels  
293 Kelvin Cross Sections

72-Hf-164



72-Hf-164

Incident Energy (MeV)

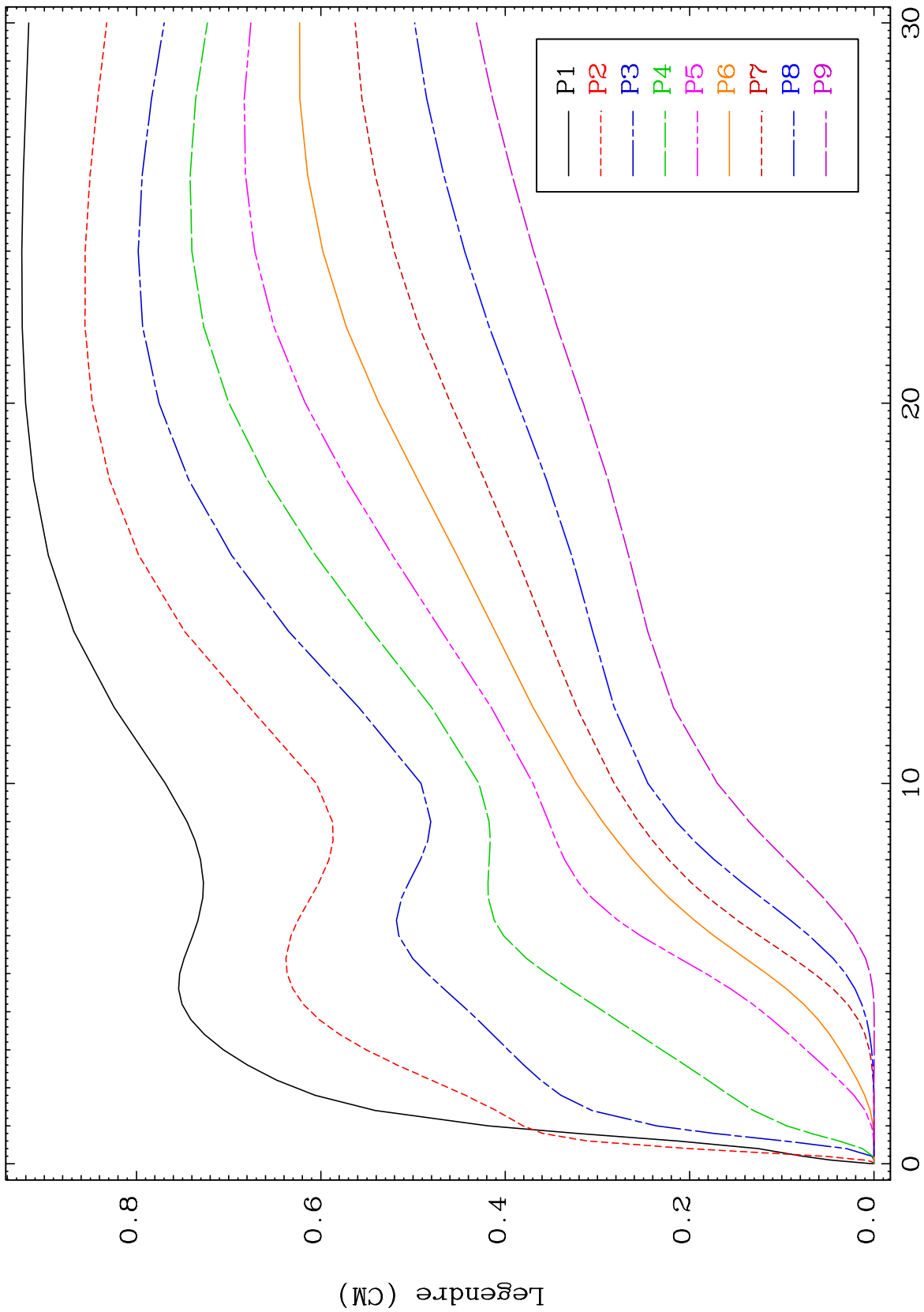




MAT 7195

72-Hf-164

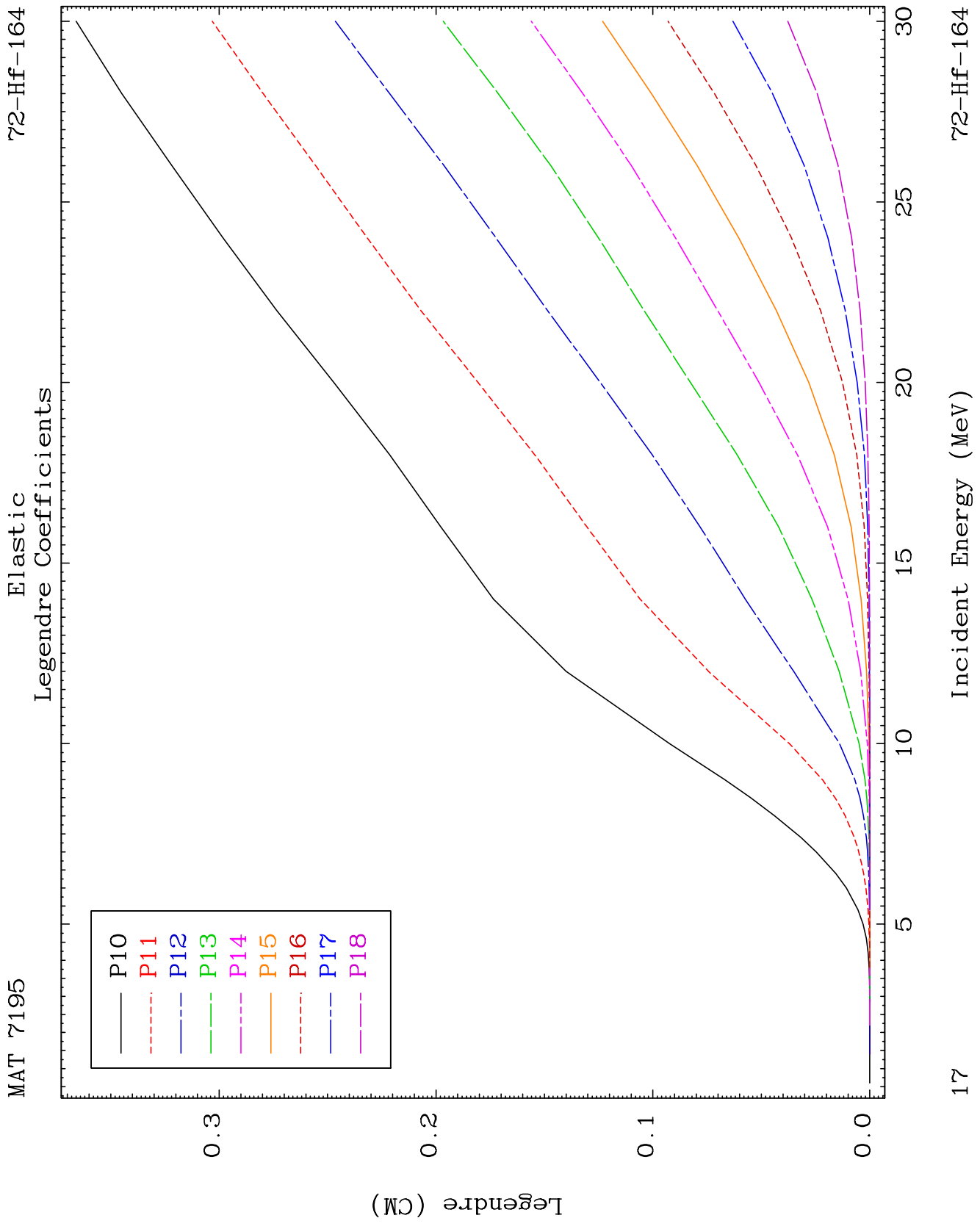
Elastic Legendre Coefficients



16

Incident Energy (MeV)

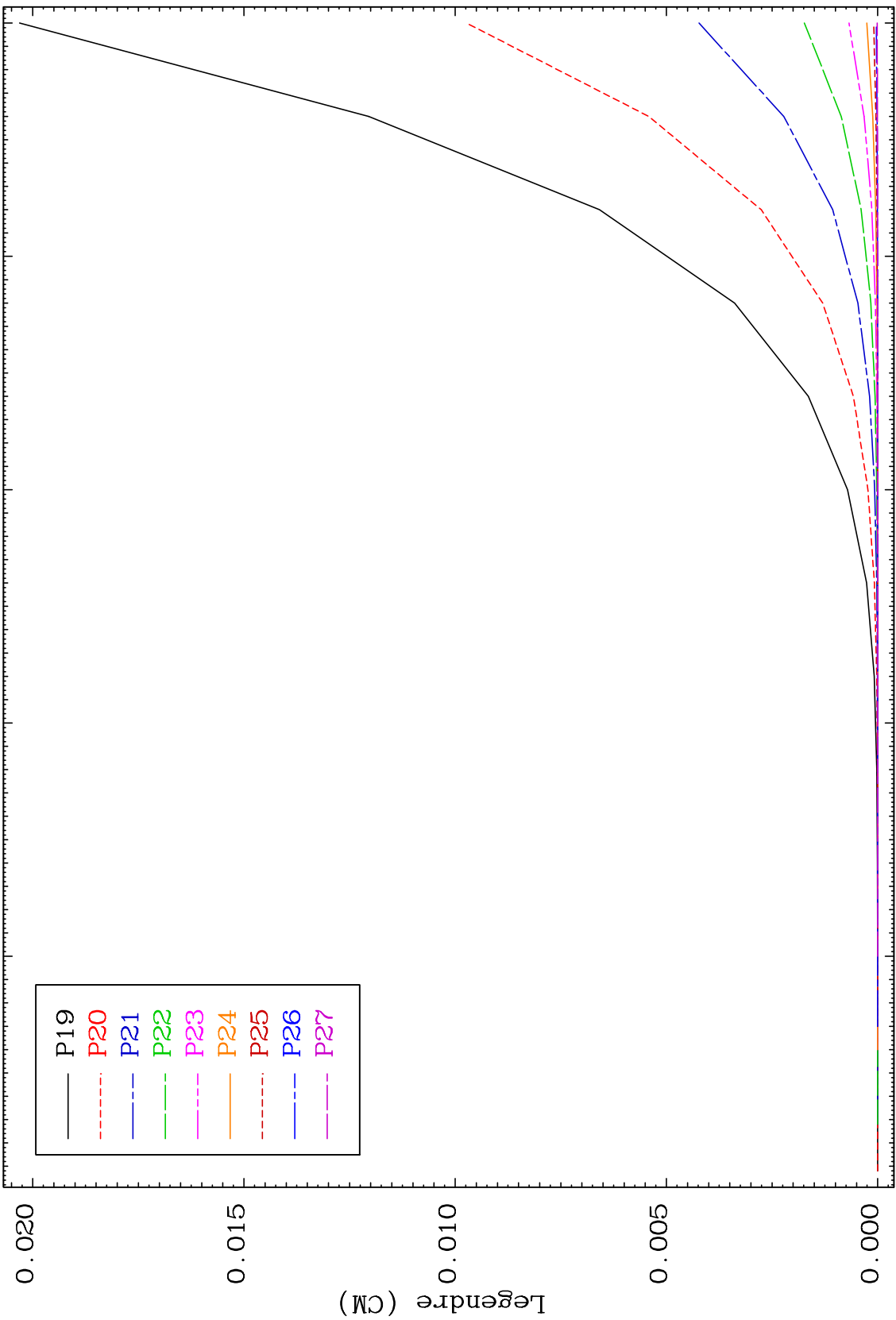
72-Hf-164



MAT 7195

Elastic  
Legendre Coefficients

72-Hf-164



18

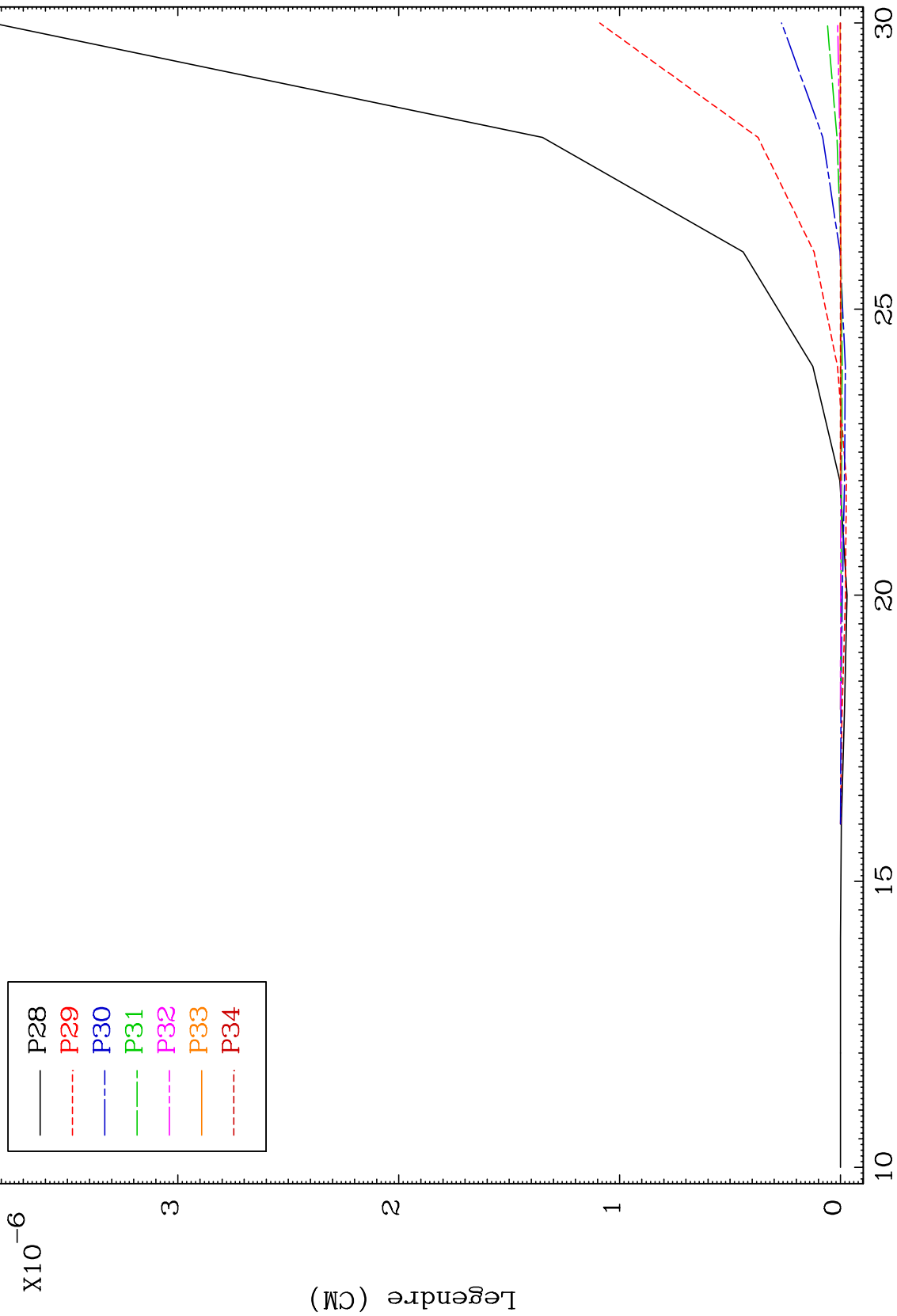
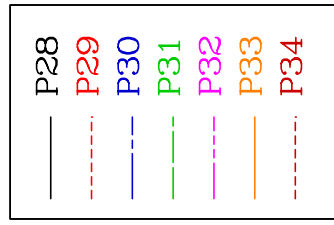
Incident Energy (MeV)

72-Hf-164

MAT 7195

Elastic Legendre Coefficients

72-Hf-164



19

Incident Energy (MeV)

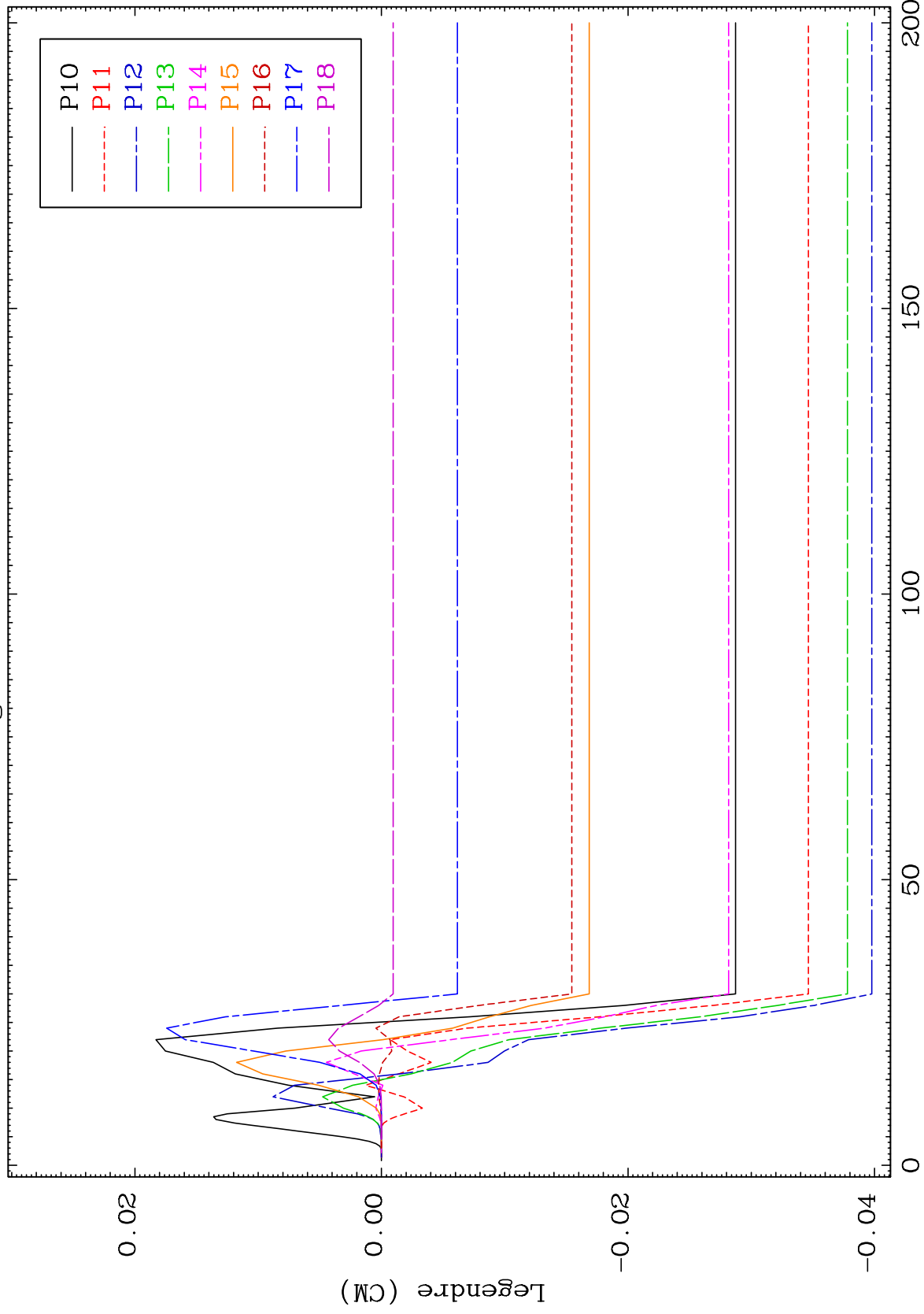
72-Hf-164



MAT 7195

210.7 keV (n,n') Level  
Legendre Coefficients

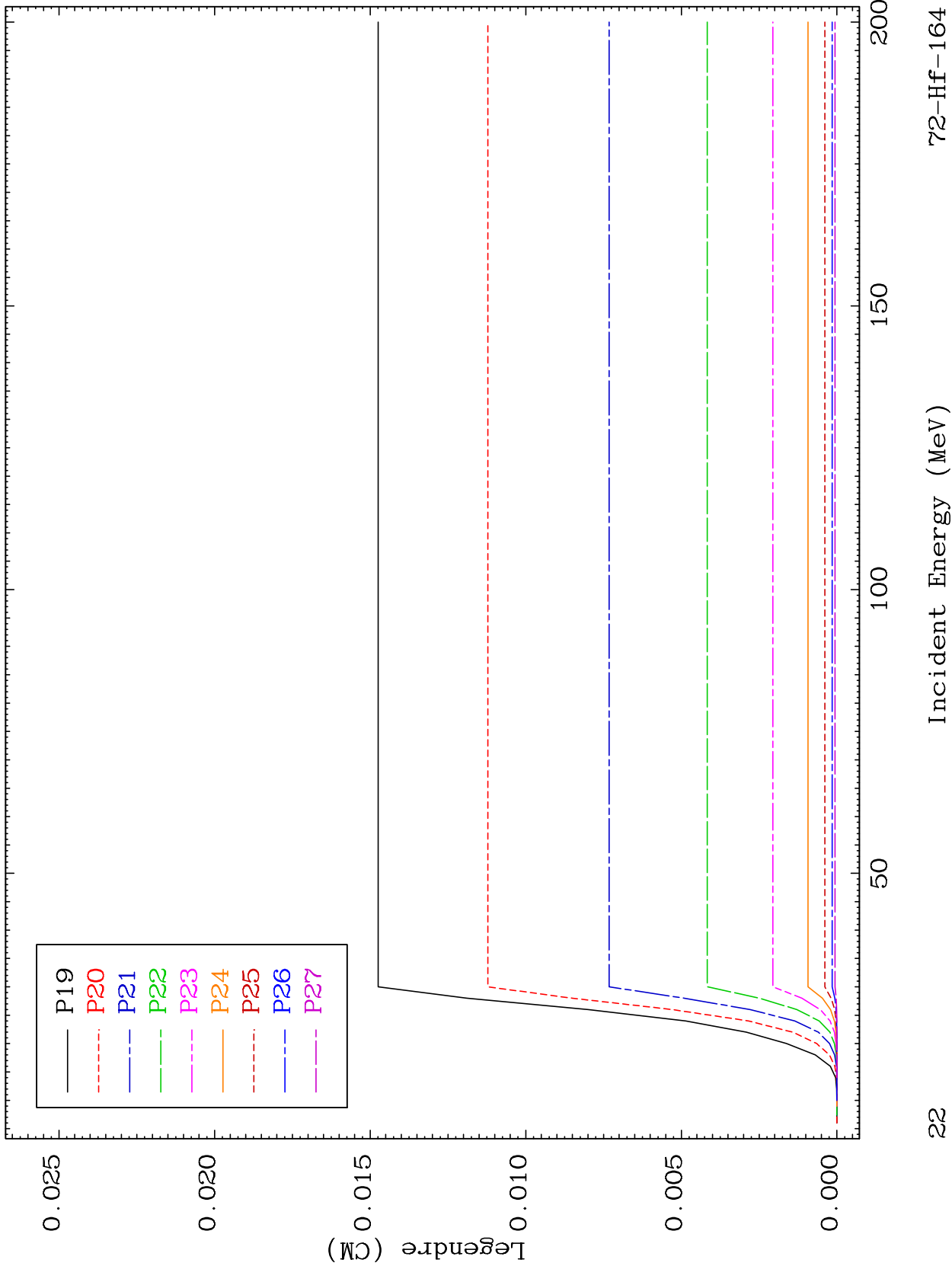
72-Hf-164



21

Incident Energy (MeV)

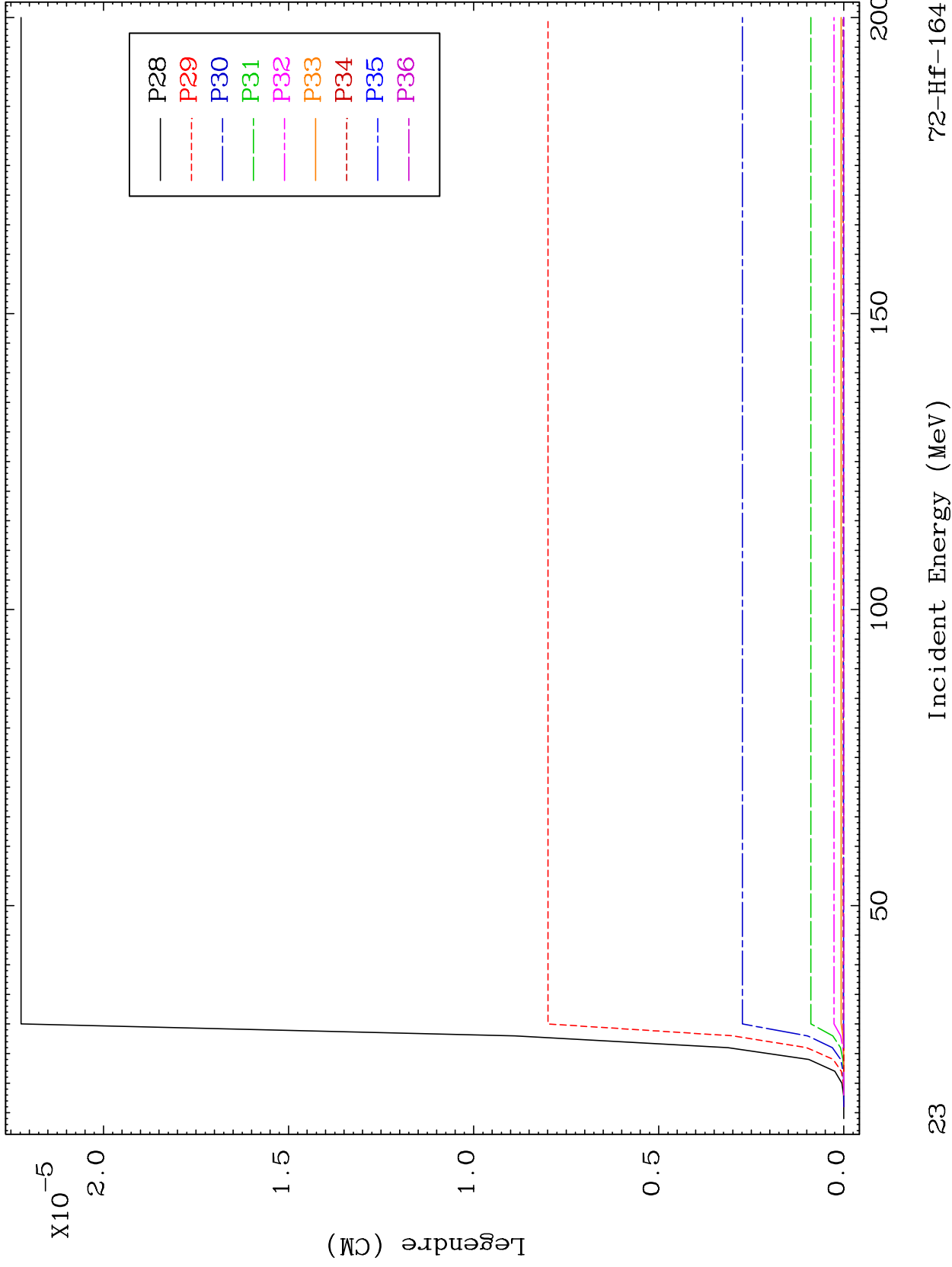
72-Hf-164



MAT 7195

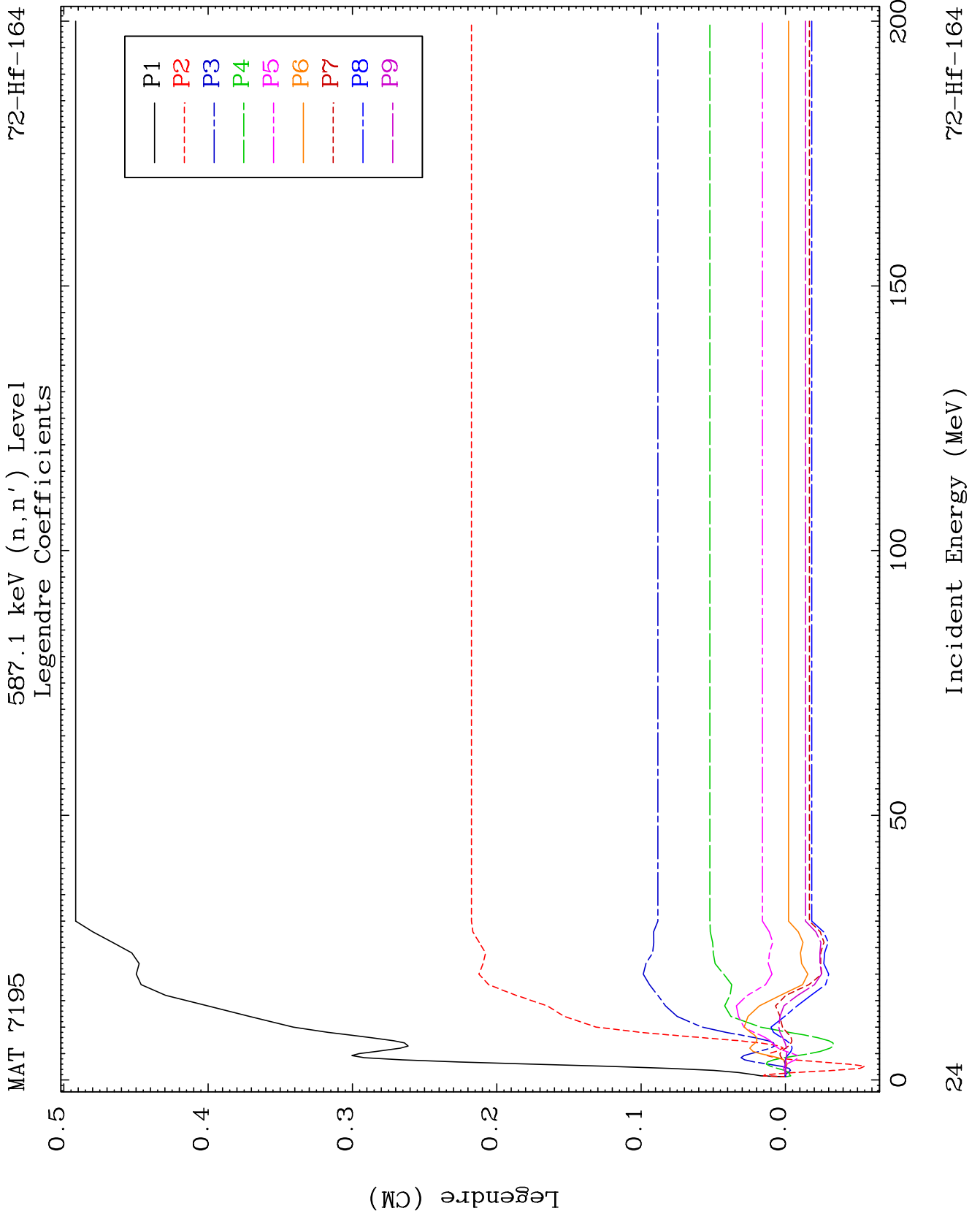
210.7 keV (n,n') Level  
Legendre Coefficients

72-Hf-164



23

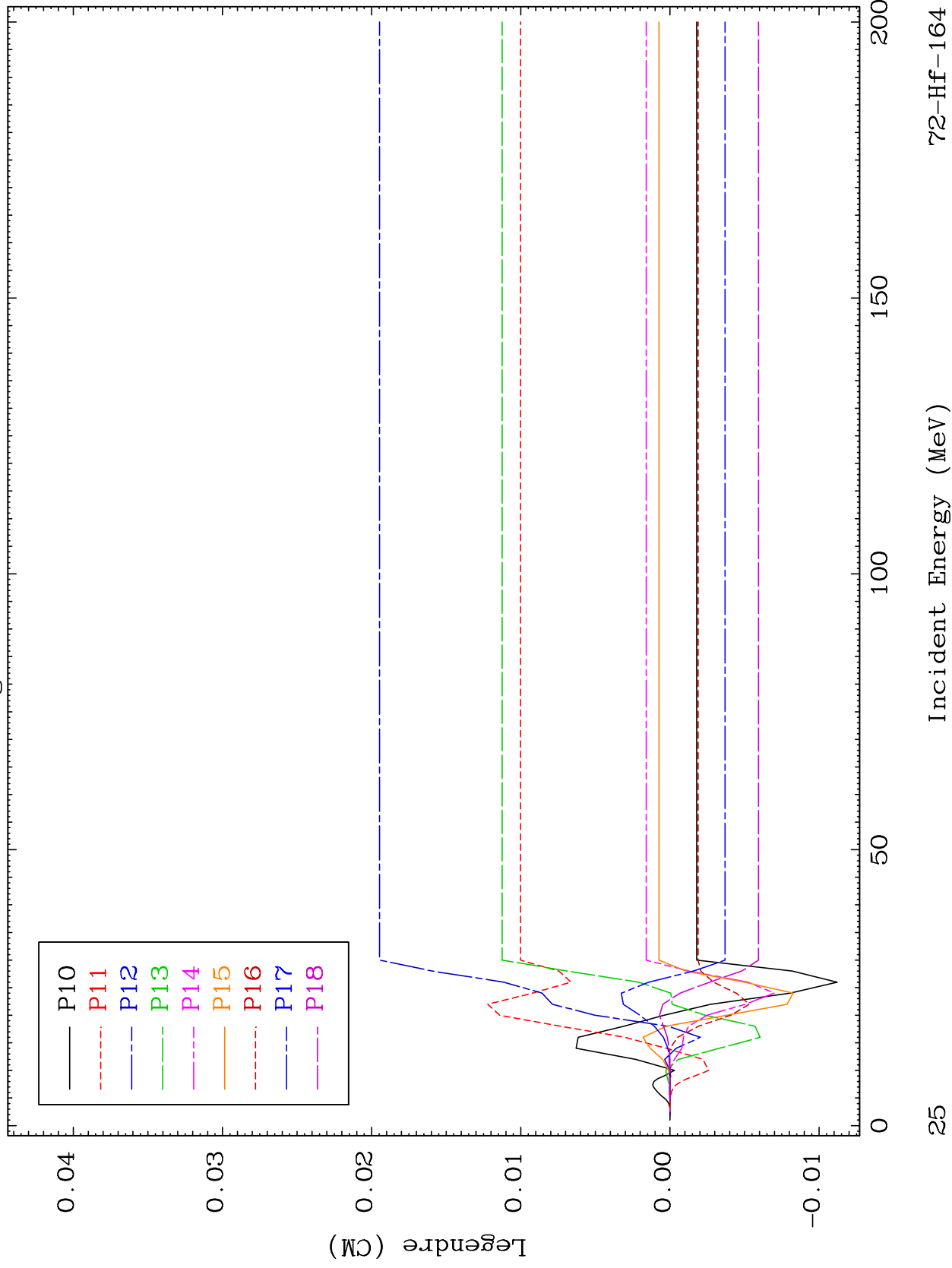




MAT 7195

587.1 keV (n,n') Level  
Legendre Coefficients

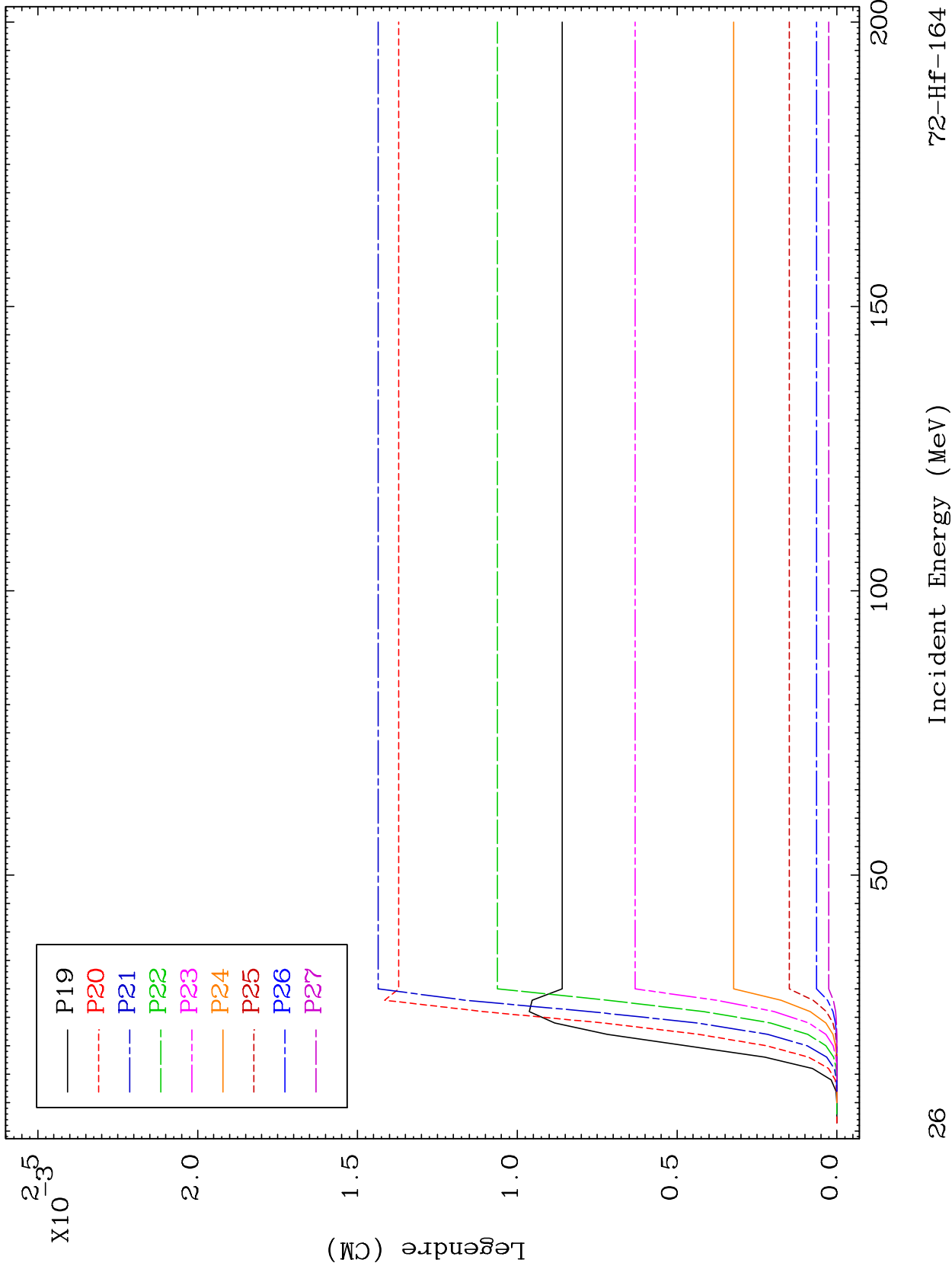
72-Hf-164

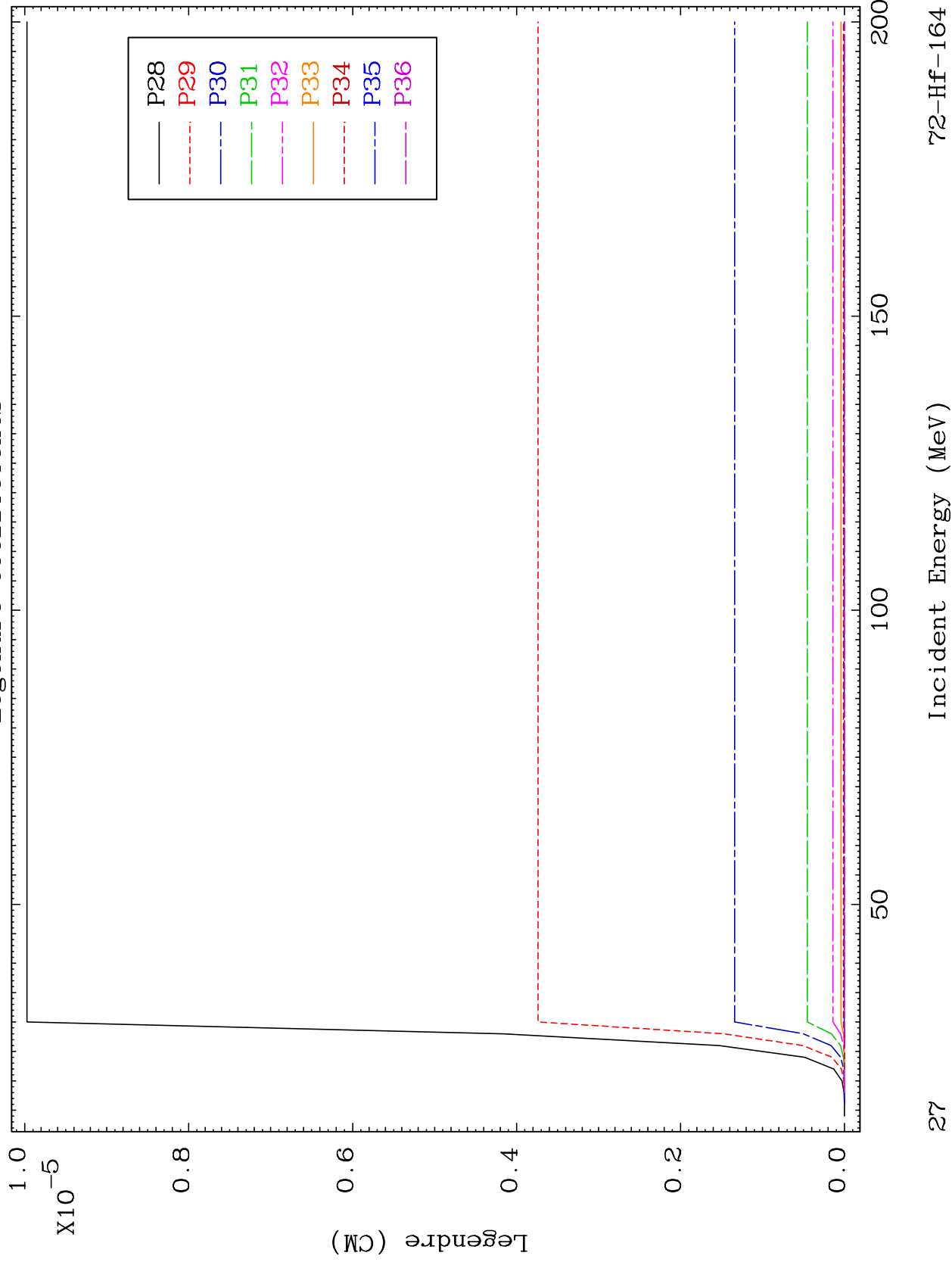


72-Hf-164

Incident Energy (MeV)

25

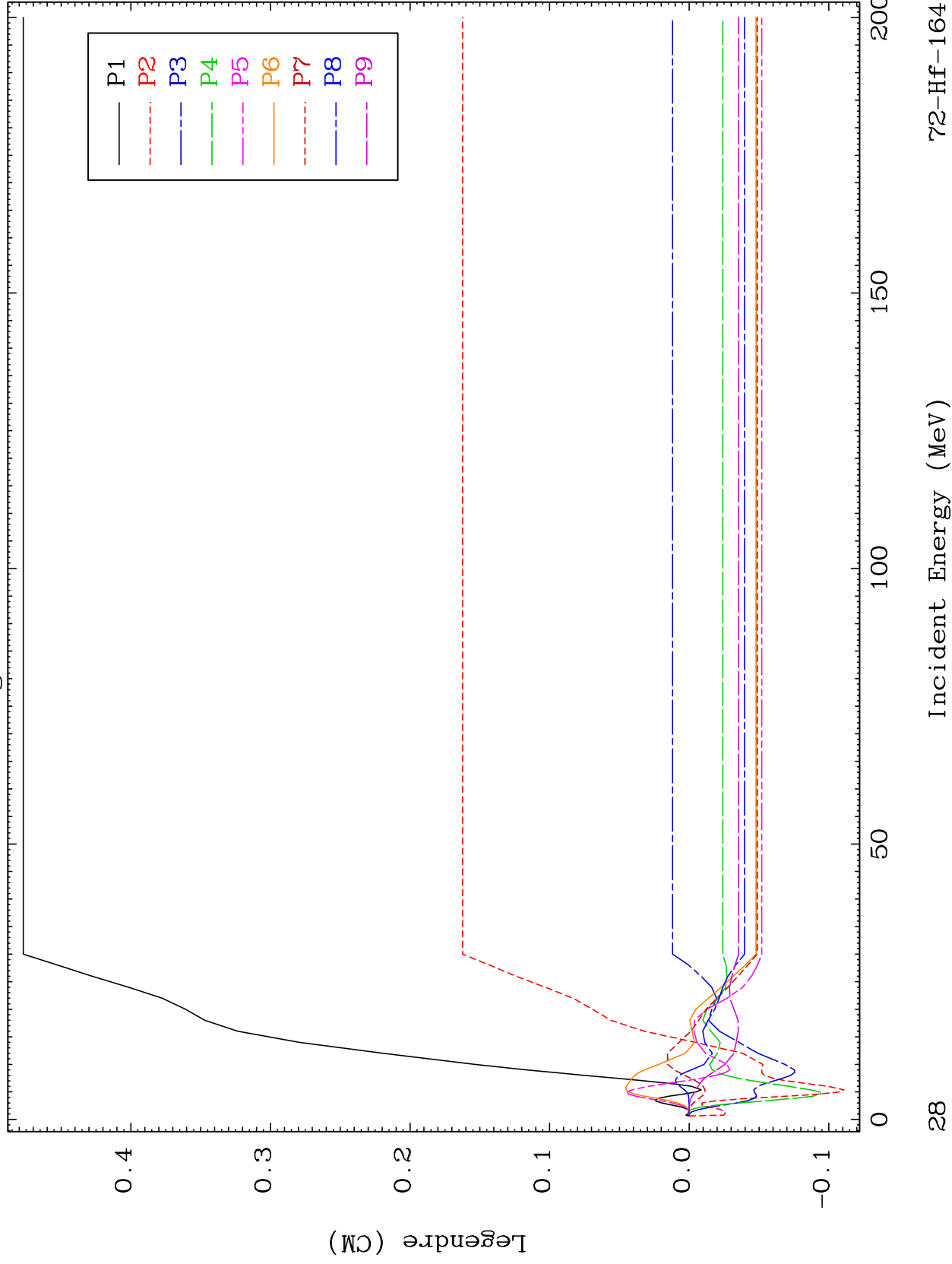




MAT 7195

620.2 keV (n,n') Level  
Legendre Coefficients

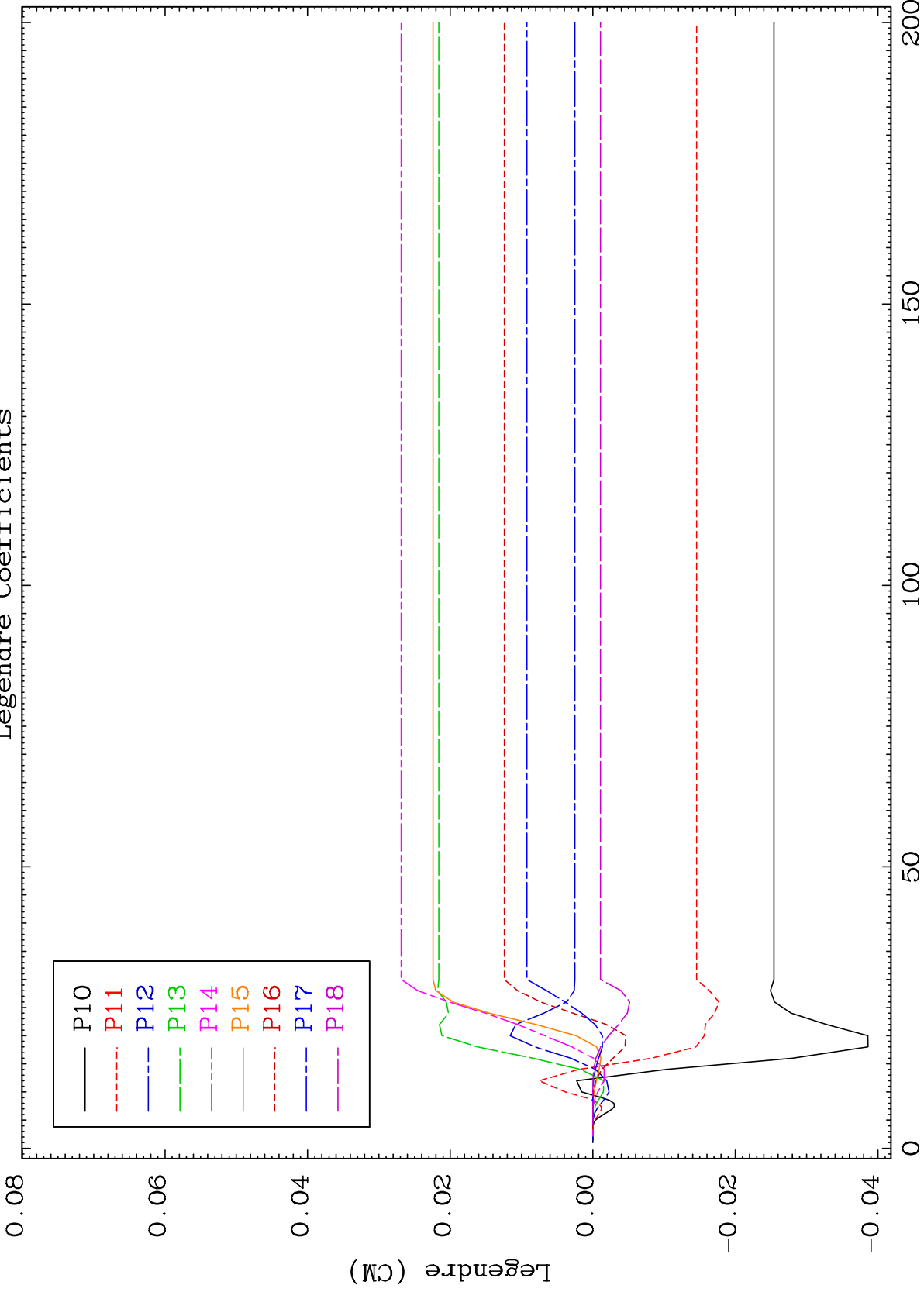
72-Hf-164



72-Hf-164

Incident Energy (MeV)

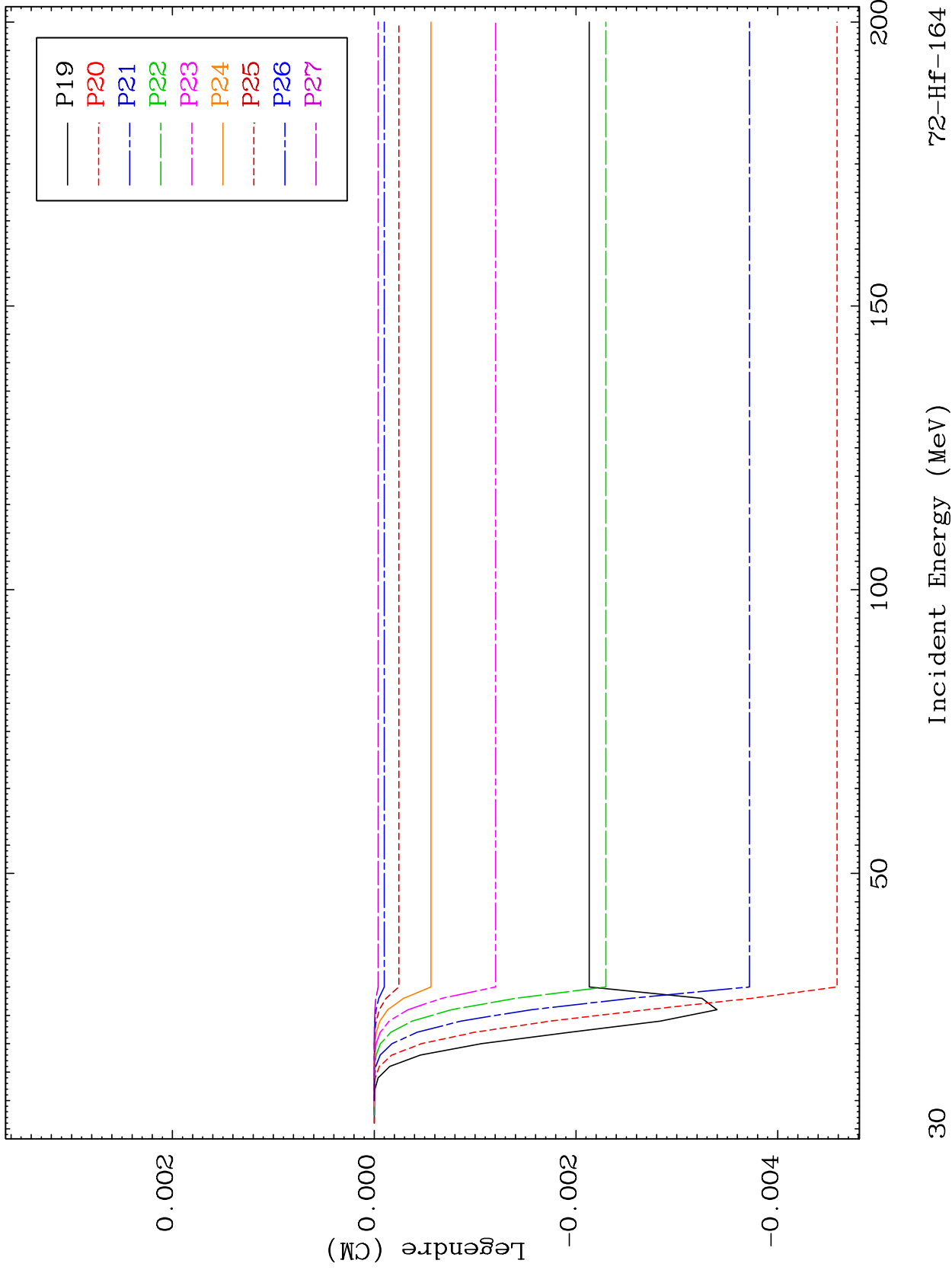
28



MAT 7195

620.2 keV (n,n') Level  
Legendre Coefficients

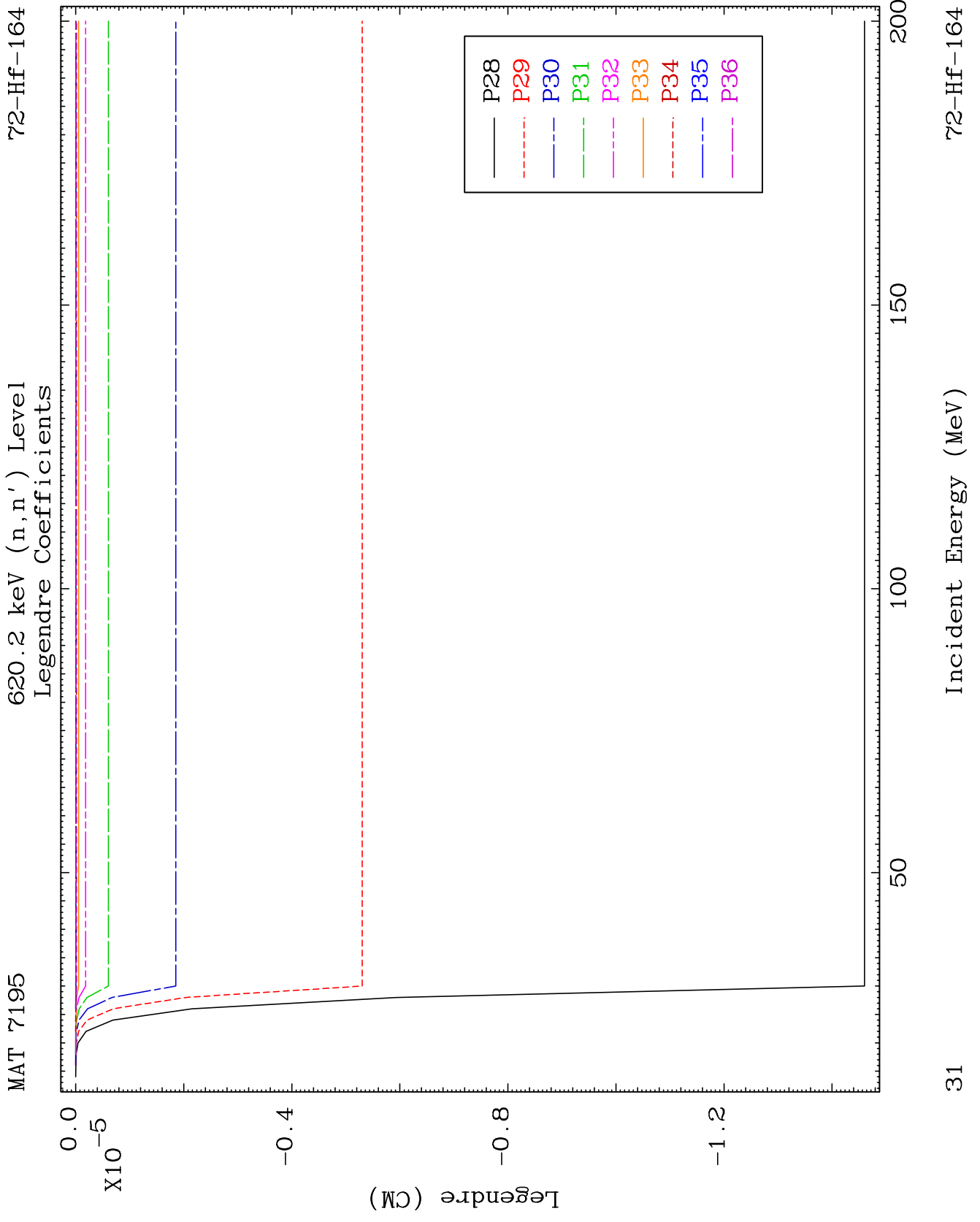
72-Hf-164



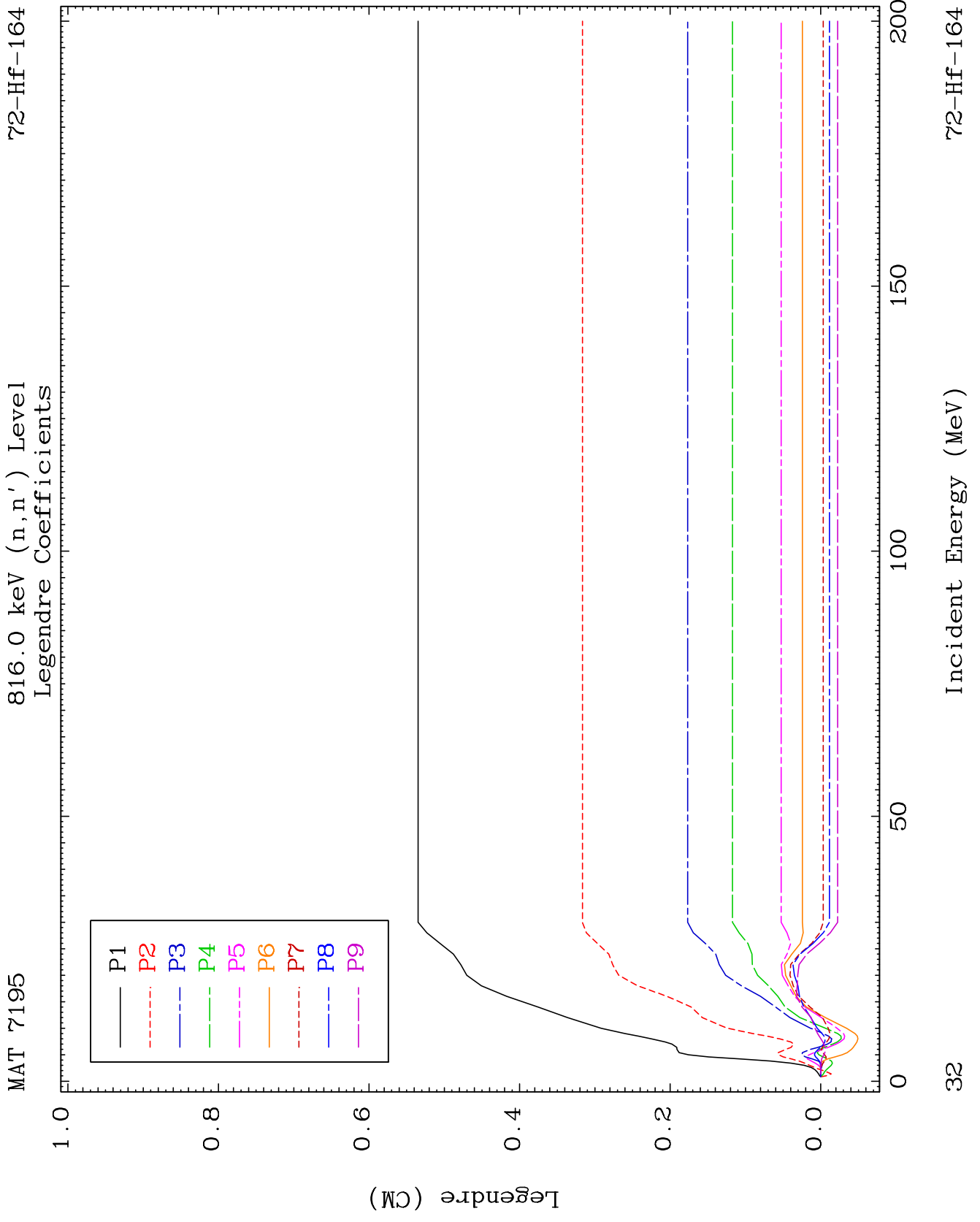
30

Incident Energy (MeV)

72-Hf-164



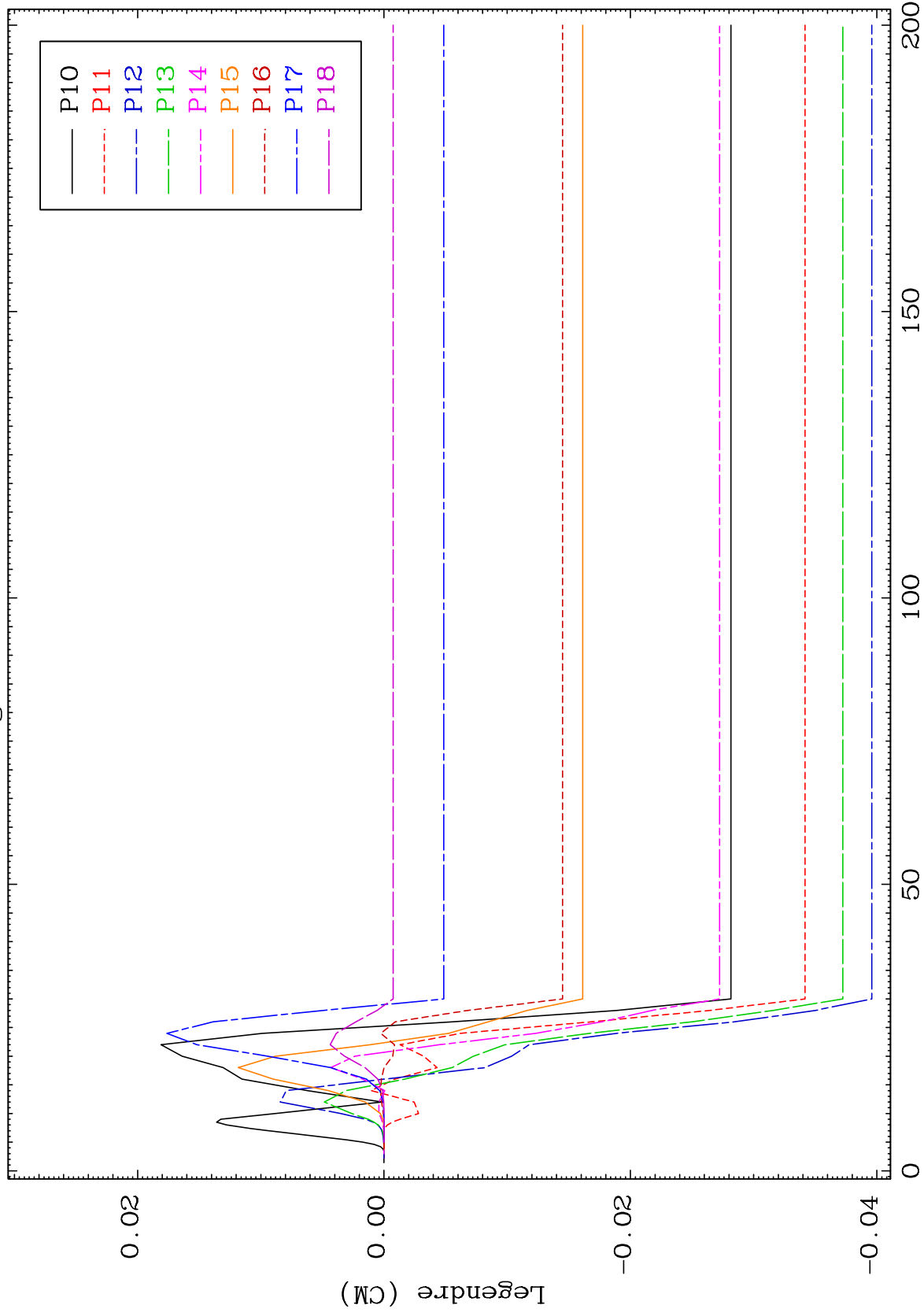




MAT 7195

816.0 keV (n,n') Level  
Legendre Coefficients

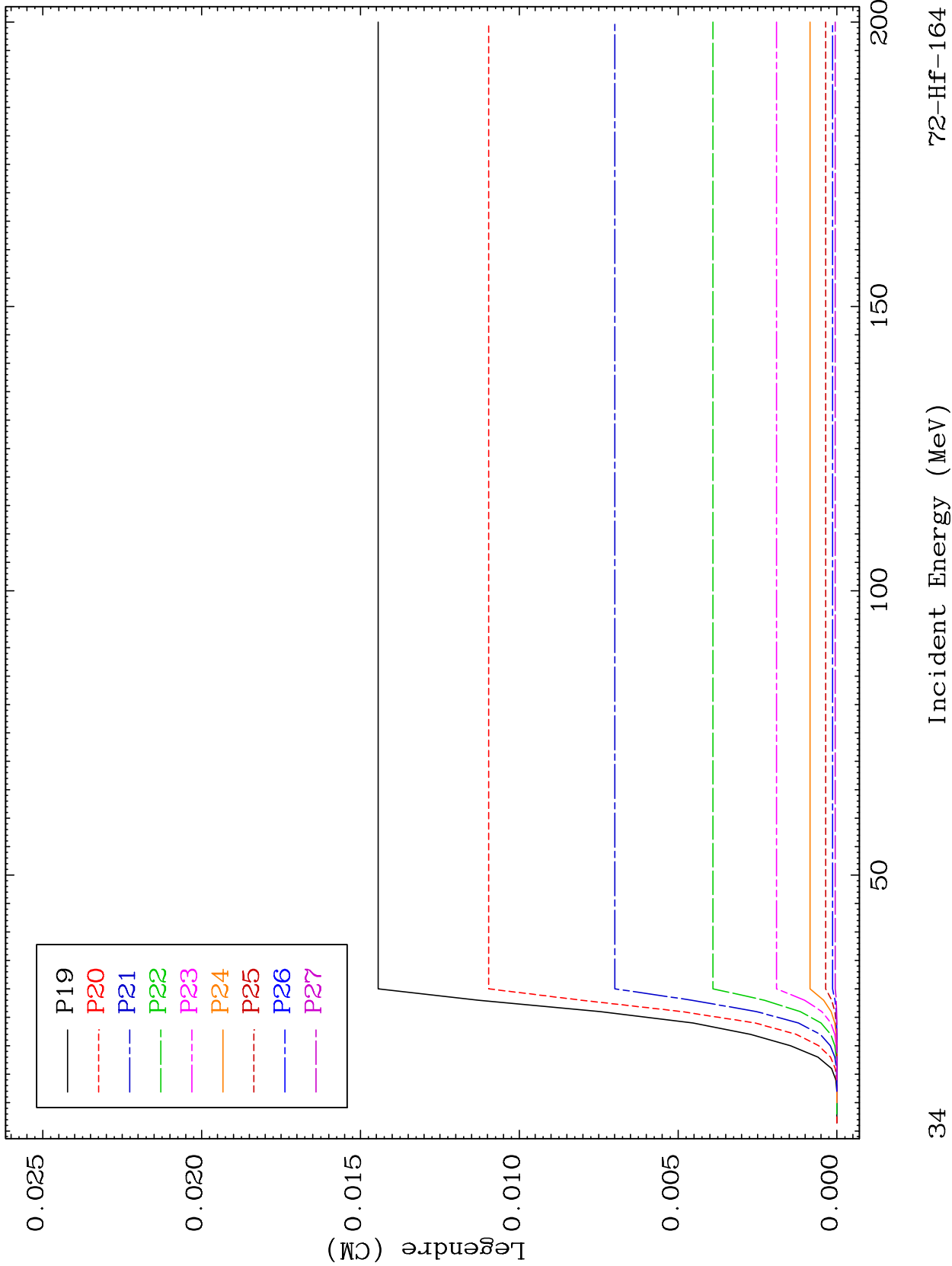
72-Hf-164



33

Incident Energy (MeV)

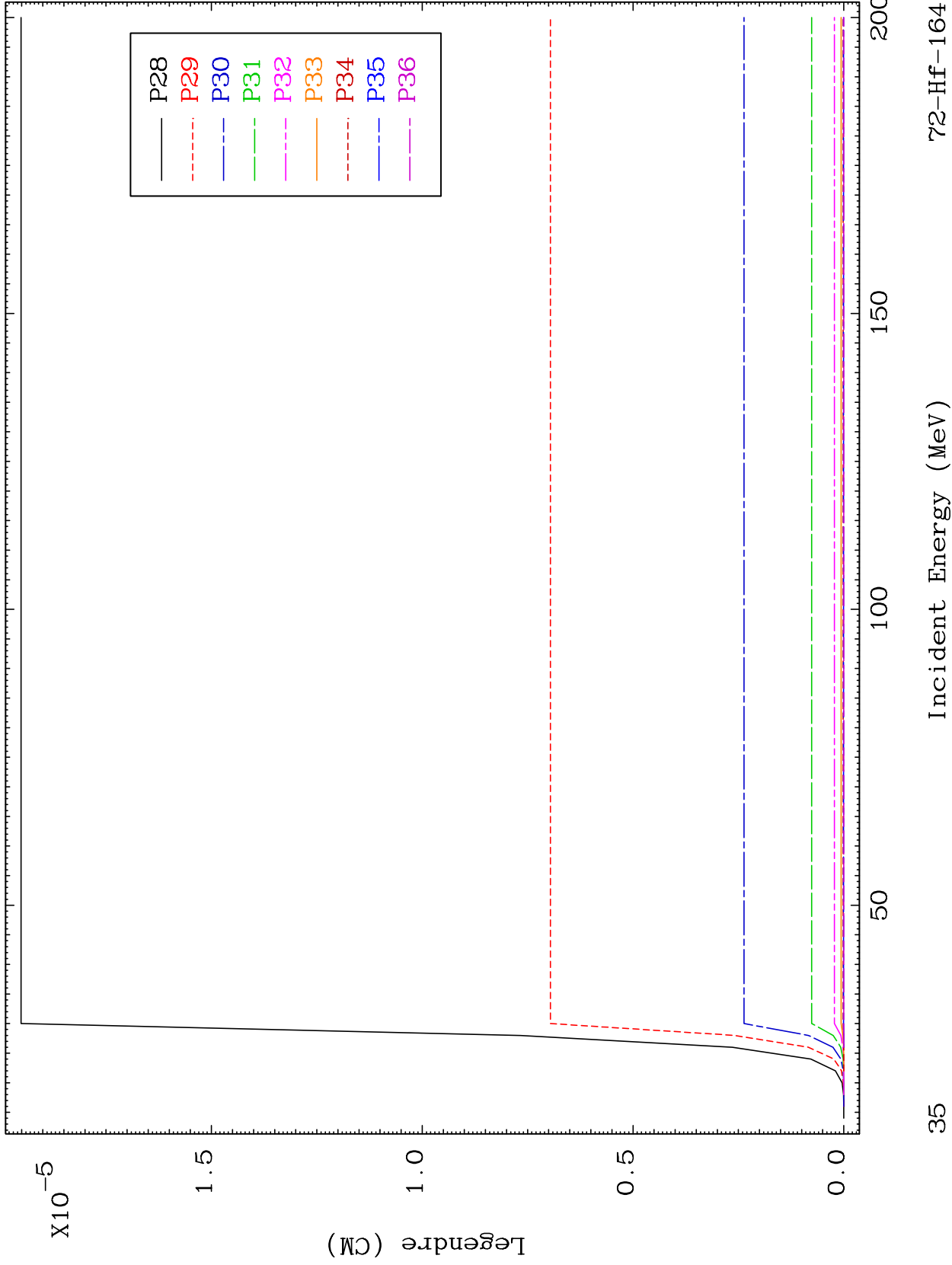
72-Hf-164



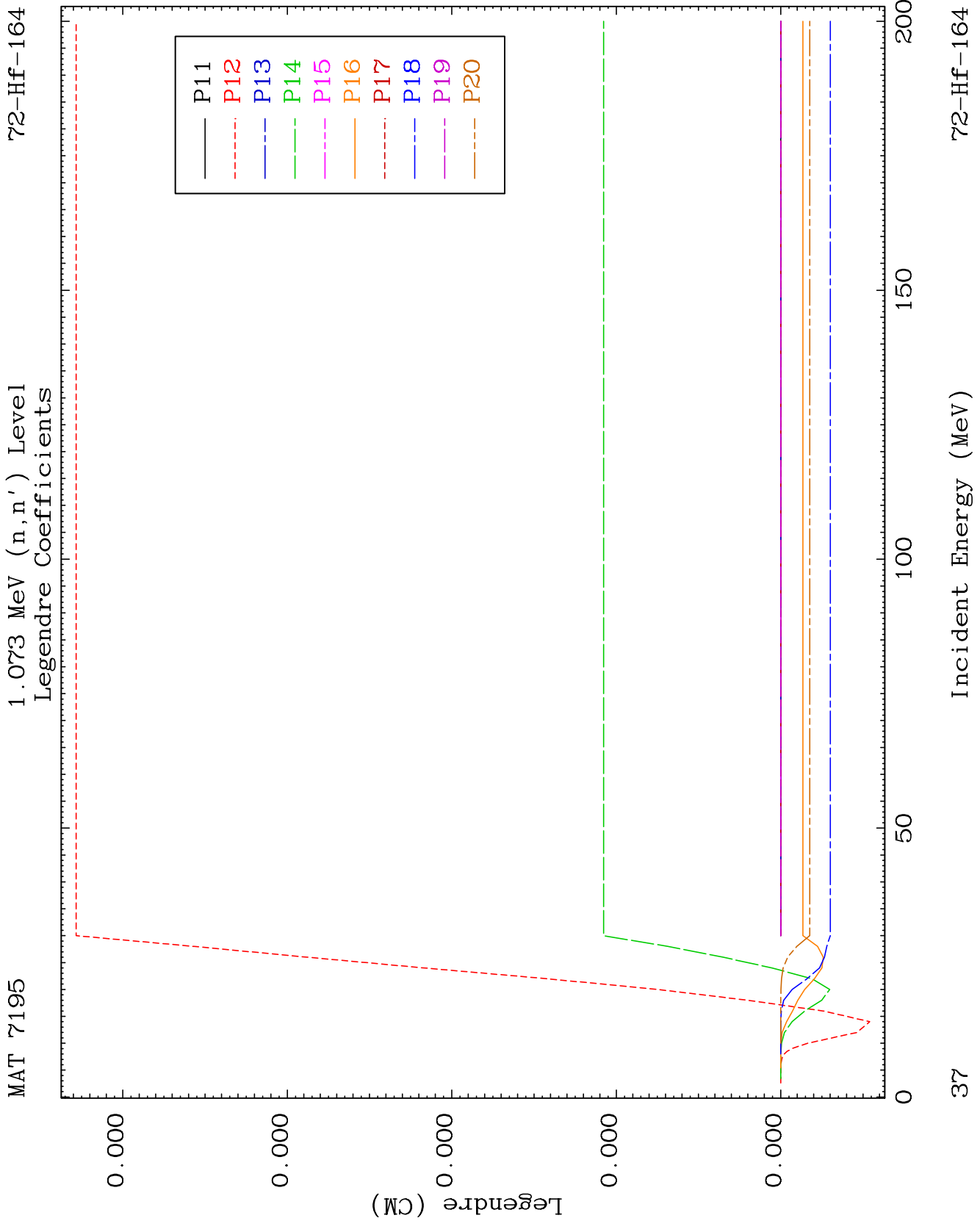
MAT 7195

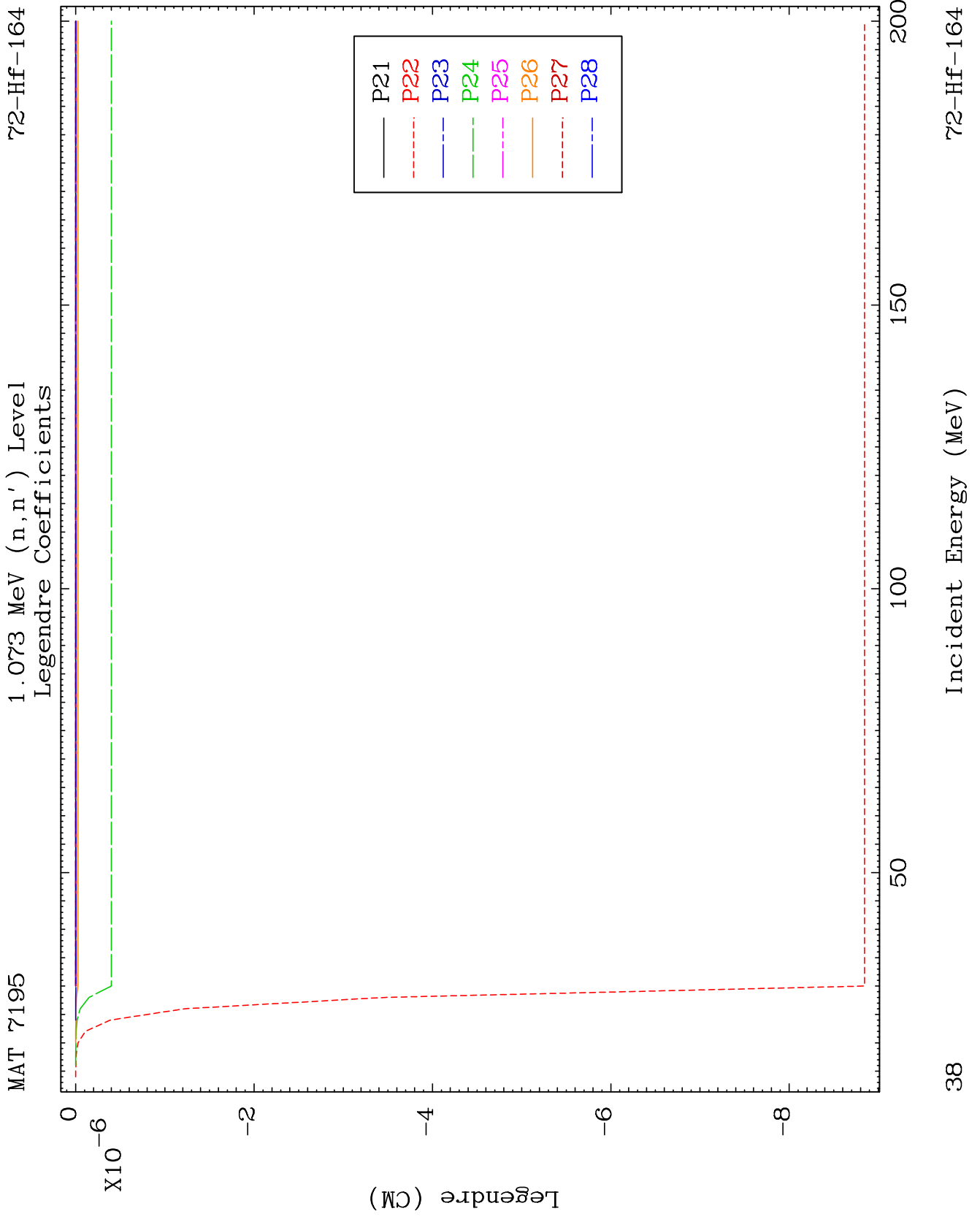
816.0 keV (n,n') Level  
Legendre Coefficients

72-Hf-164





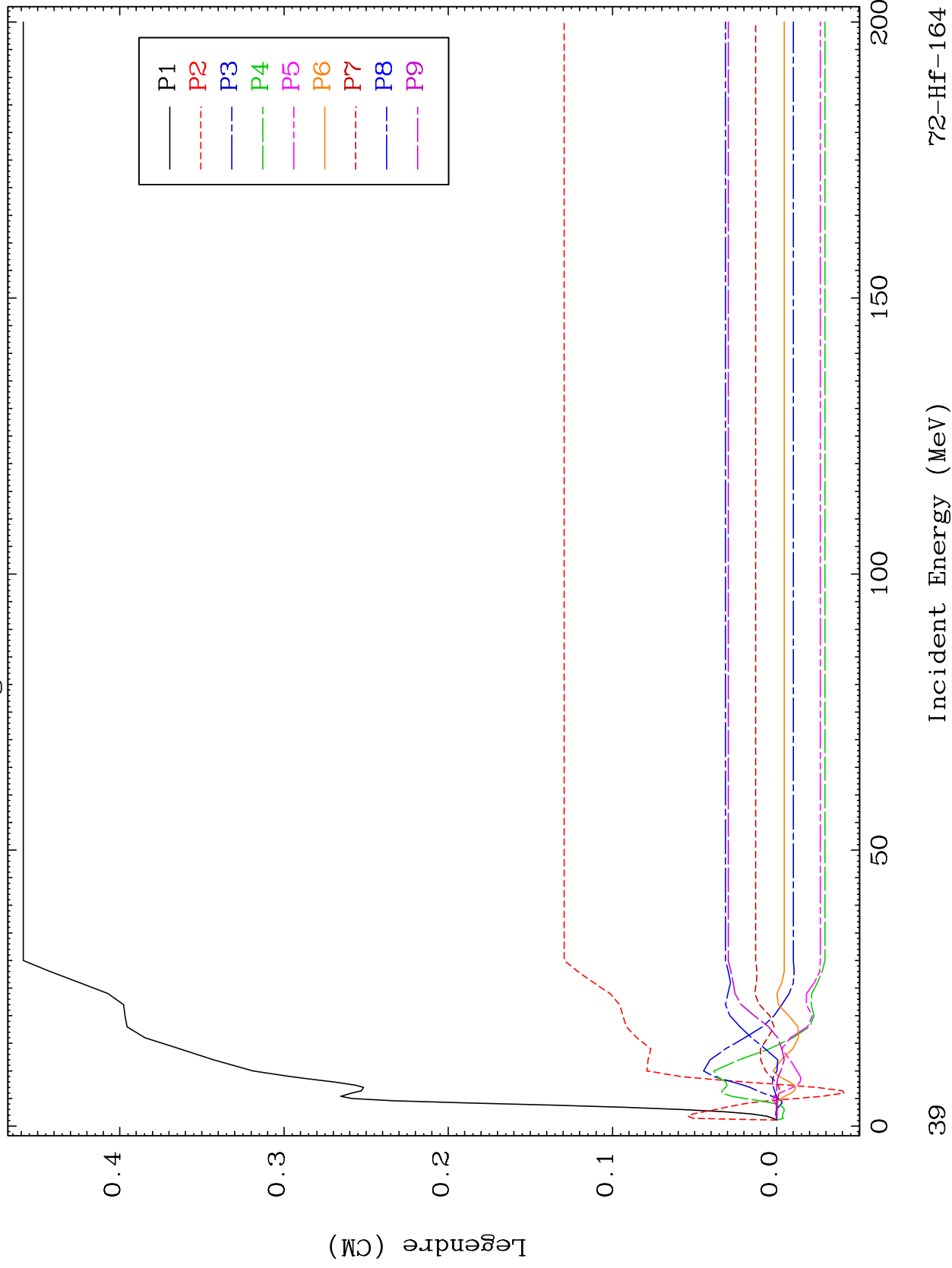




MAT 7195

1.085 MeV (n,n') Level  
Legendre Coefficients

72-Hf-164

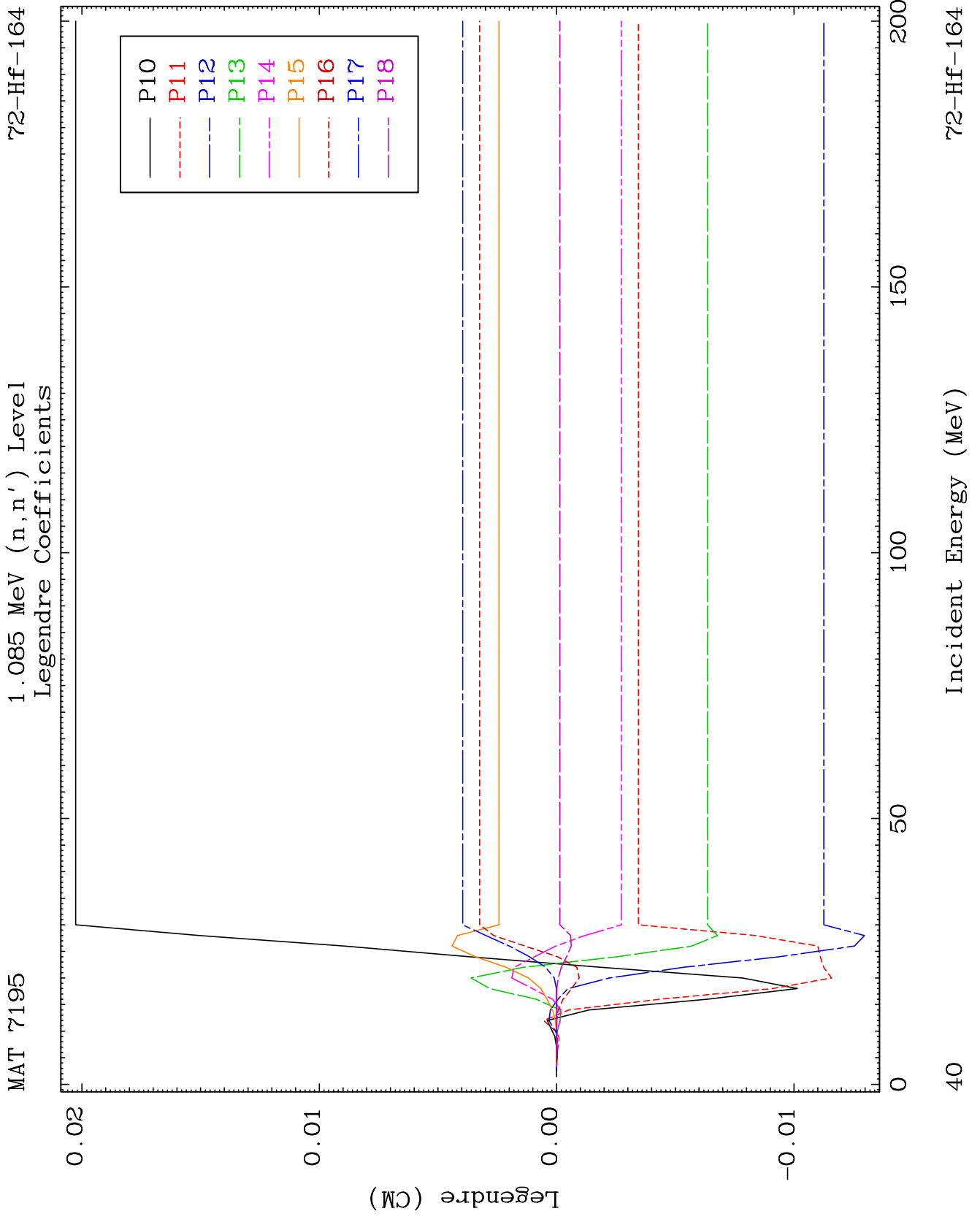


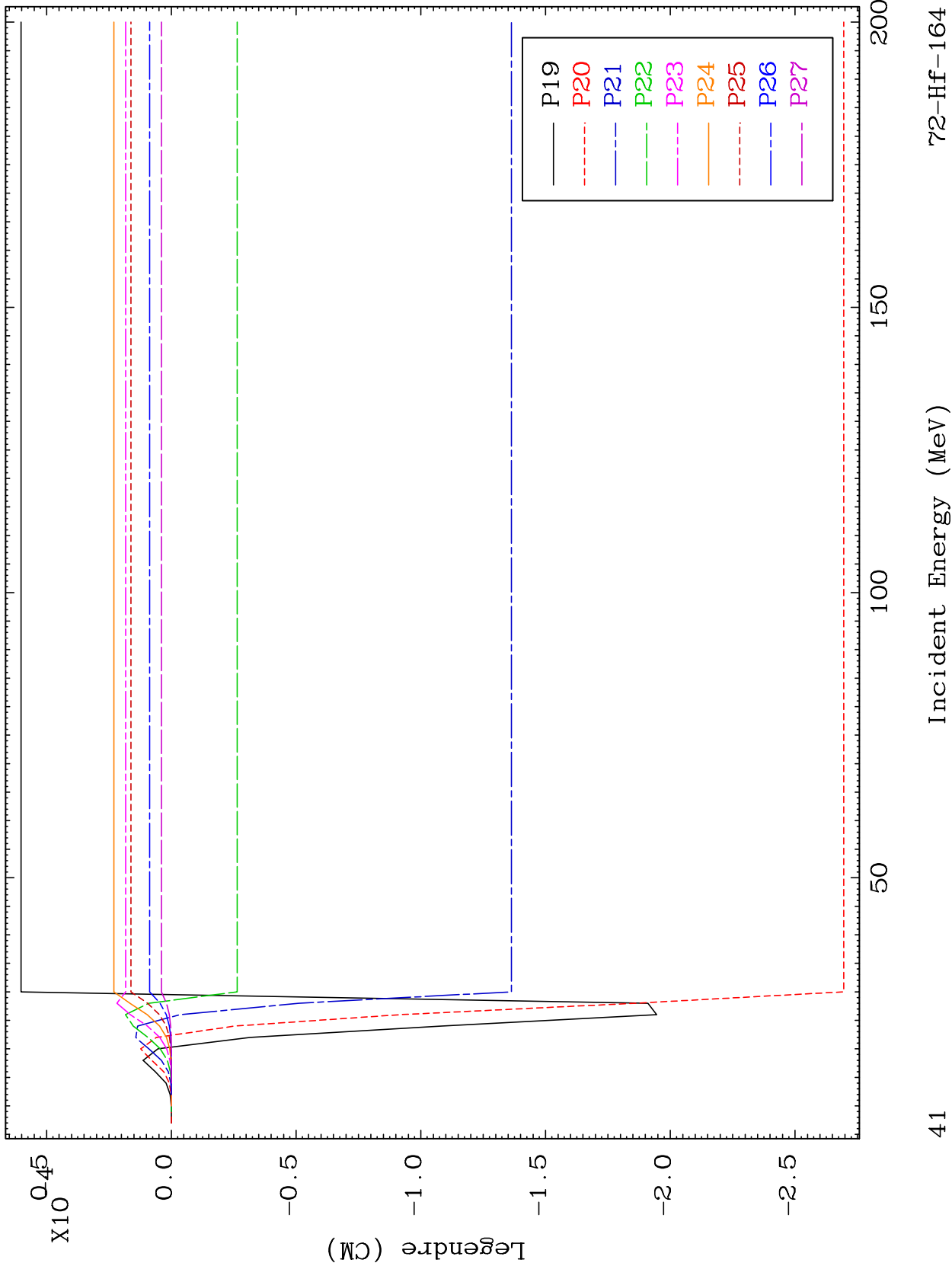
72-Hf-164

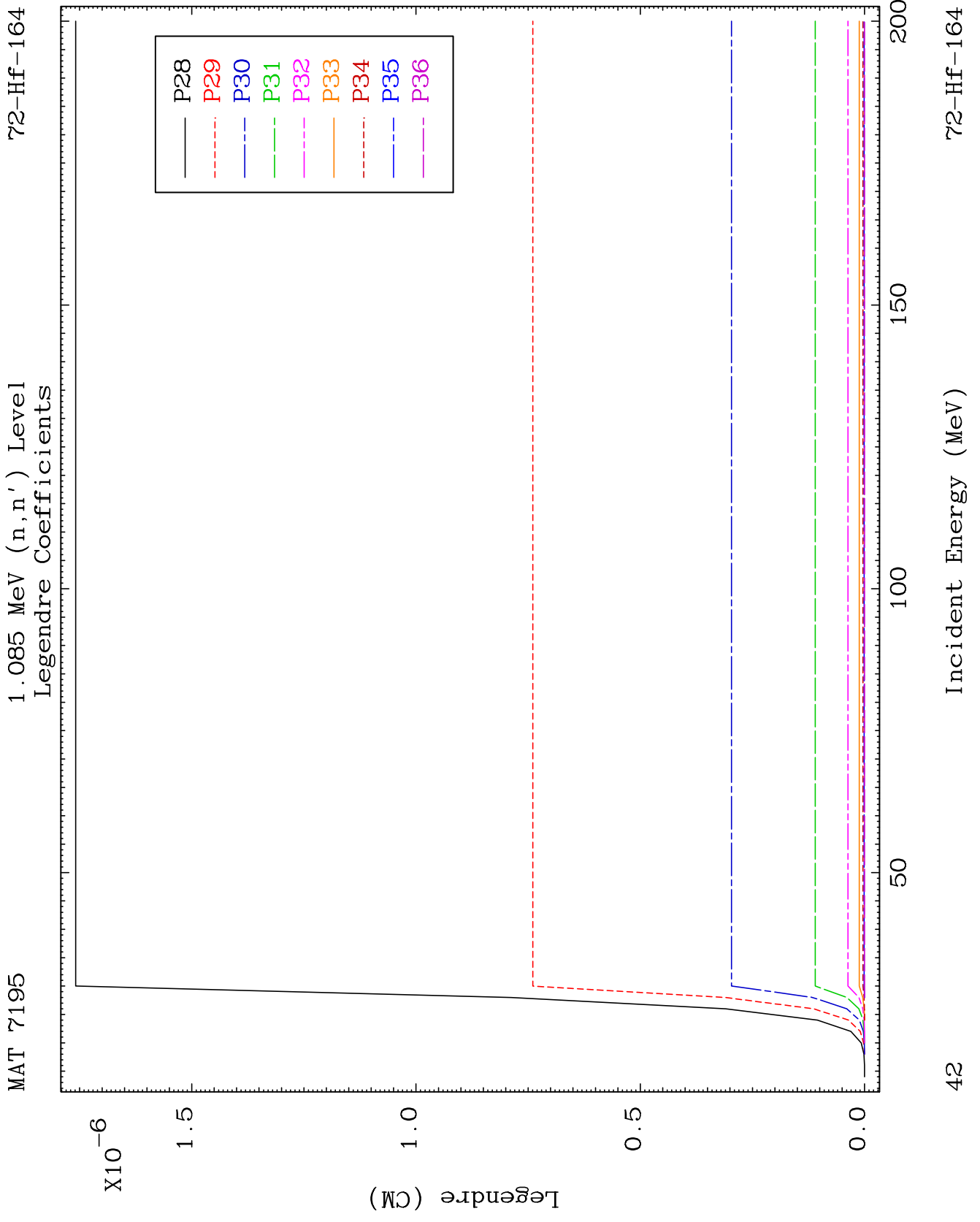
Incident Energy (MeV)

39





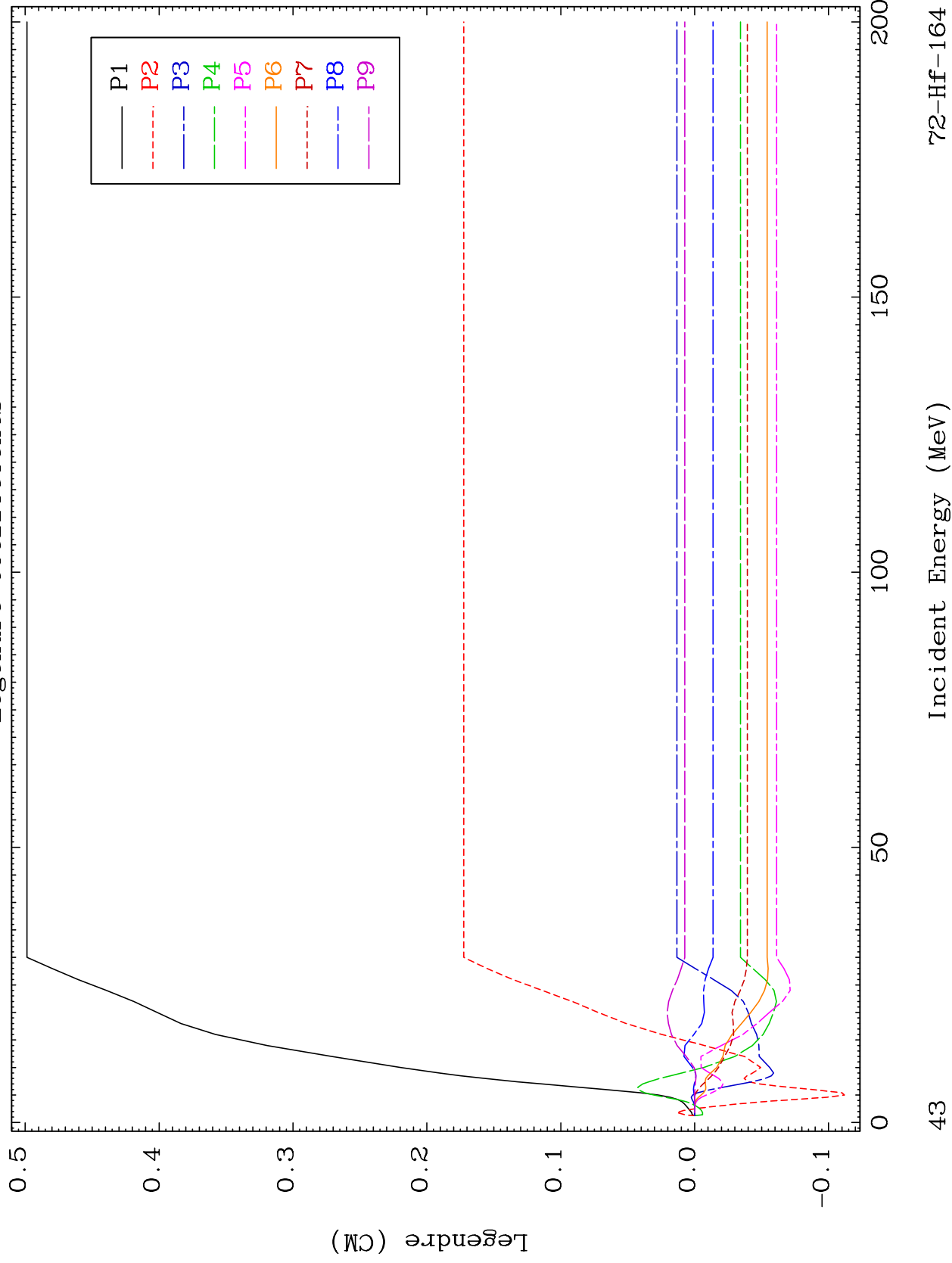




MAT 7195

1.238 MeV (n,n') Level  
Legendre Coefficients

72-Hf-164



72-Hf-164

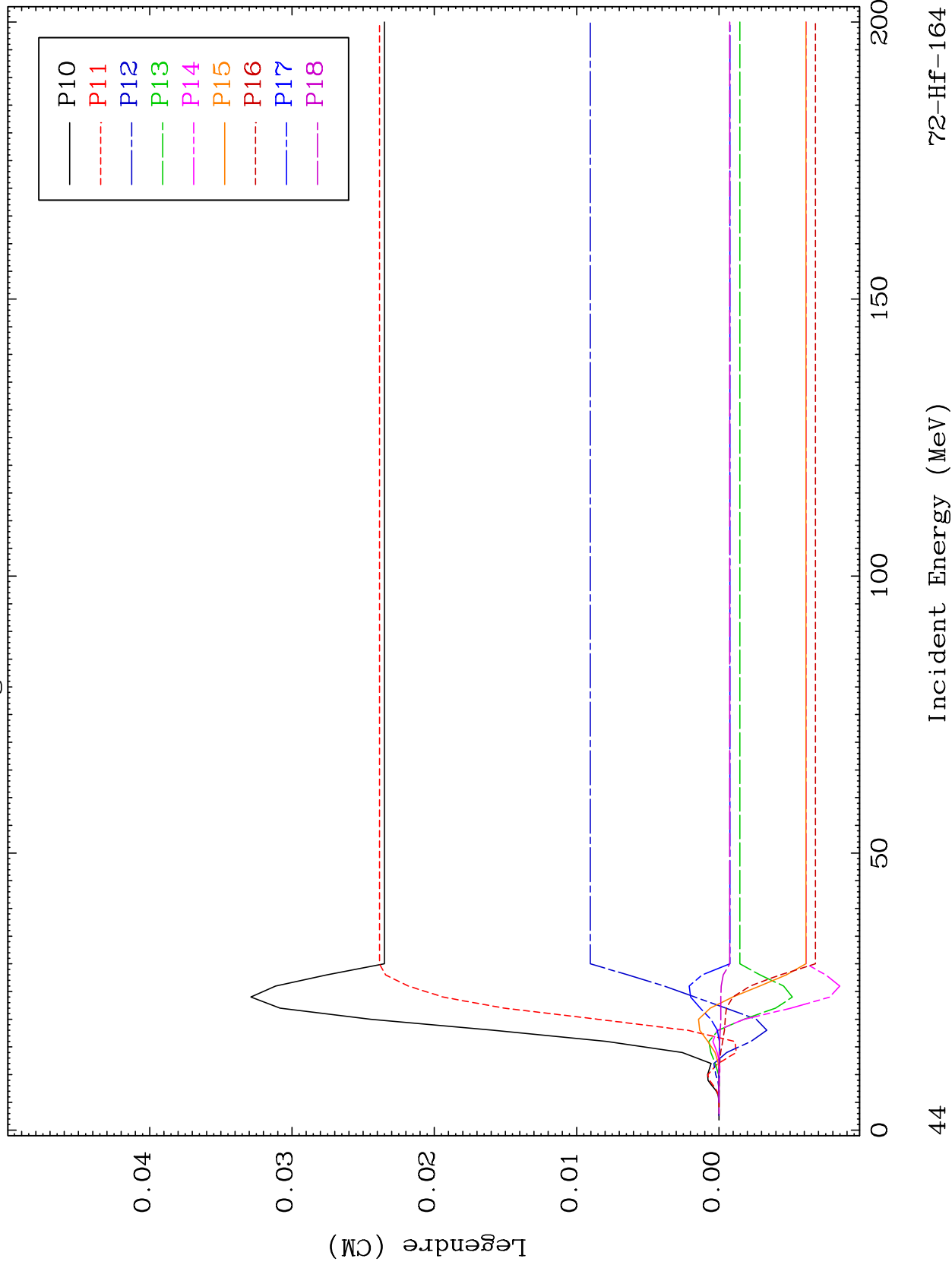
Incident Energy (MeV)

43

MAT 7195

1.238 MeV (n,n') Level  
Legendre Coefficients

72-Hf-164



44

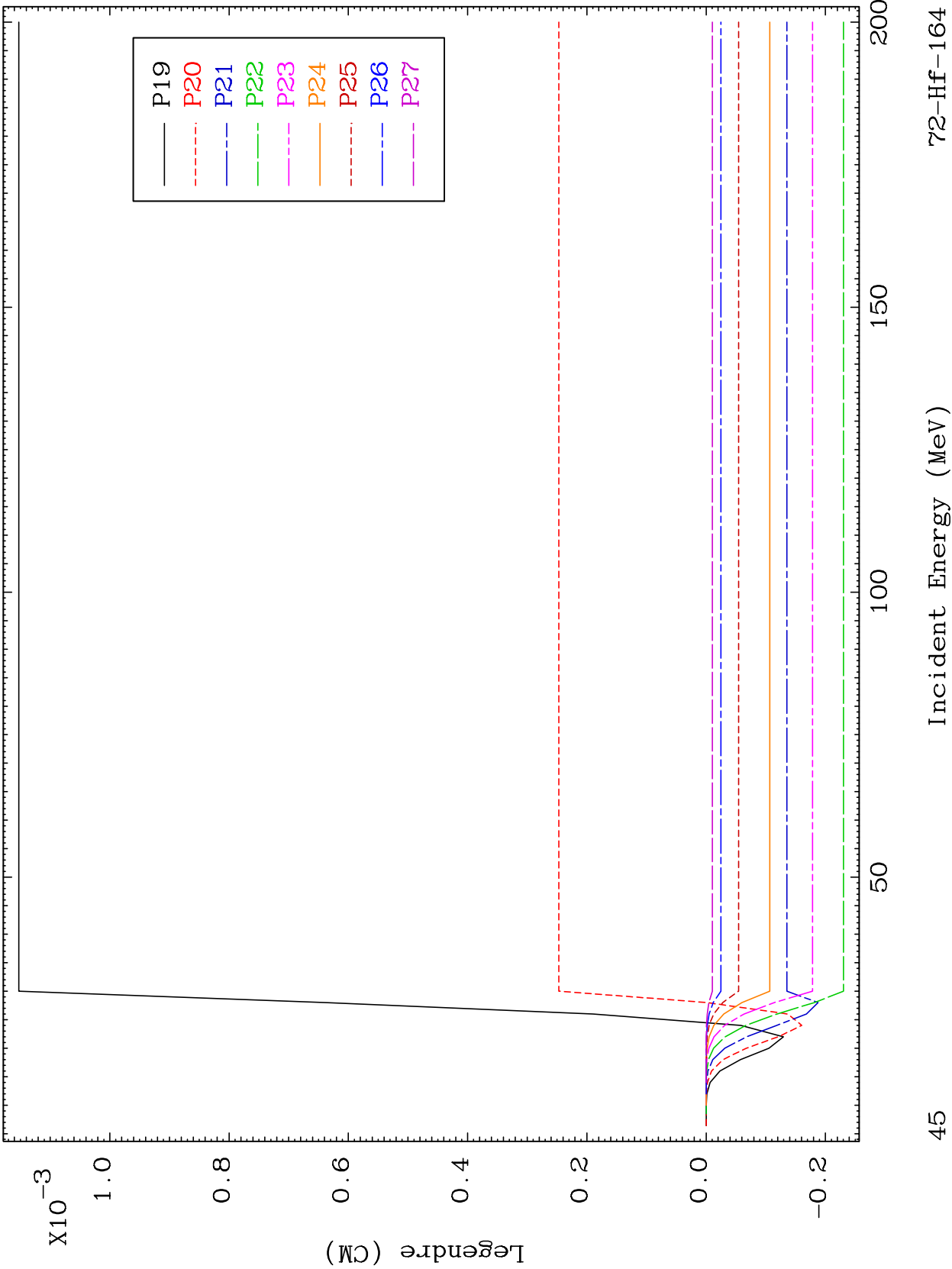
Incident Energy (MeV)

72-Hf-164

MAT 7195

1.238 MeV (n,n') Level  
Legendre Coefficients

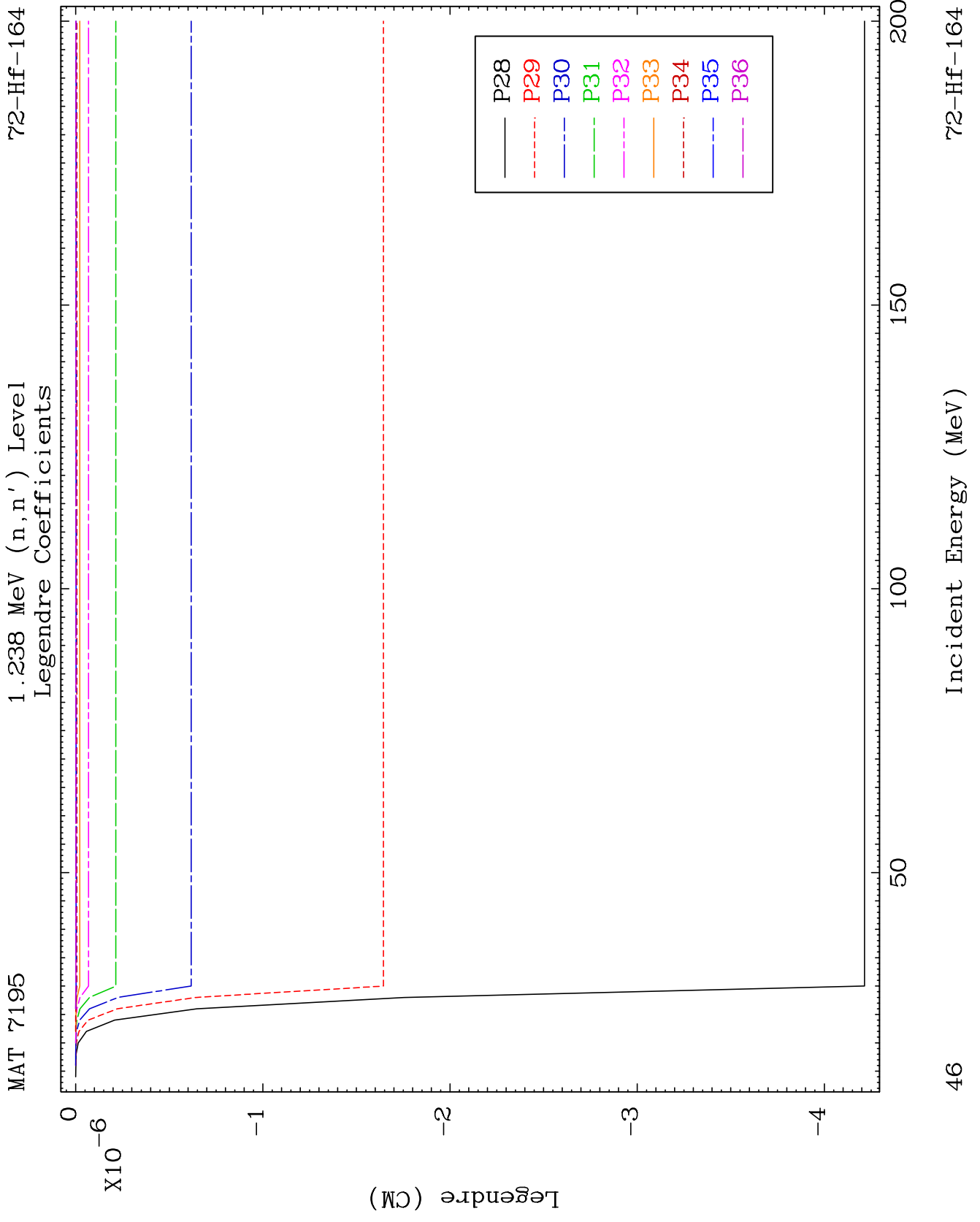
72-Hf-164



45

Incident Energy (MeV)

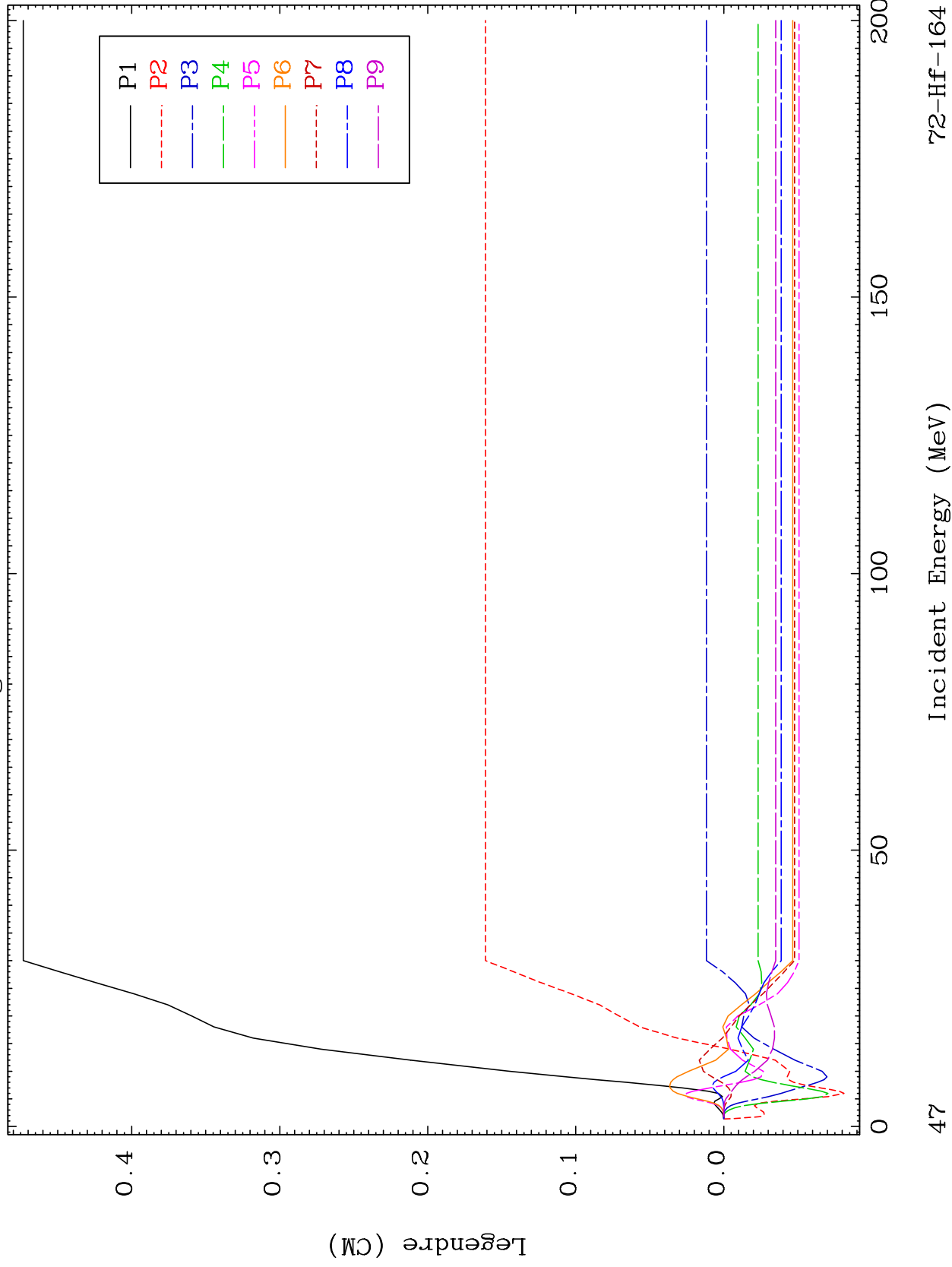
72-Hf-164



MAT 7195

1.353 MeV (n,n') Level  
Legendre Coefficients

72-Hf-164



72-Hf-164

Incident Energy (MeV)

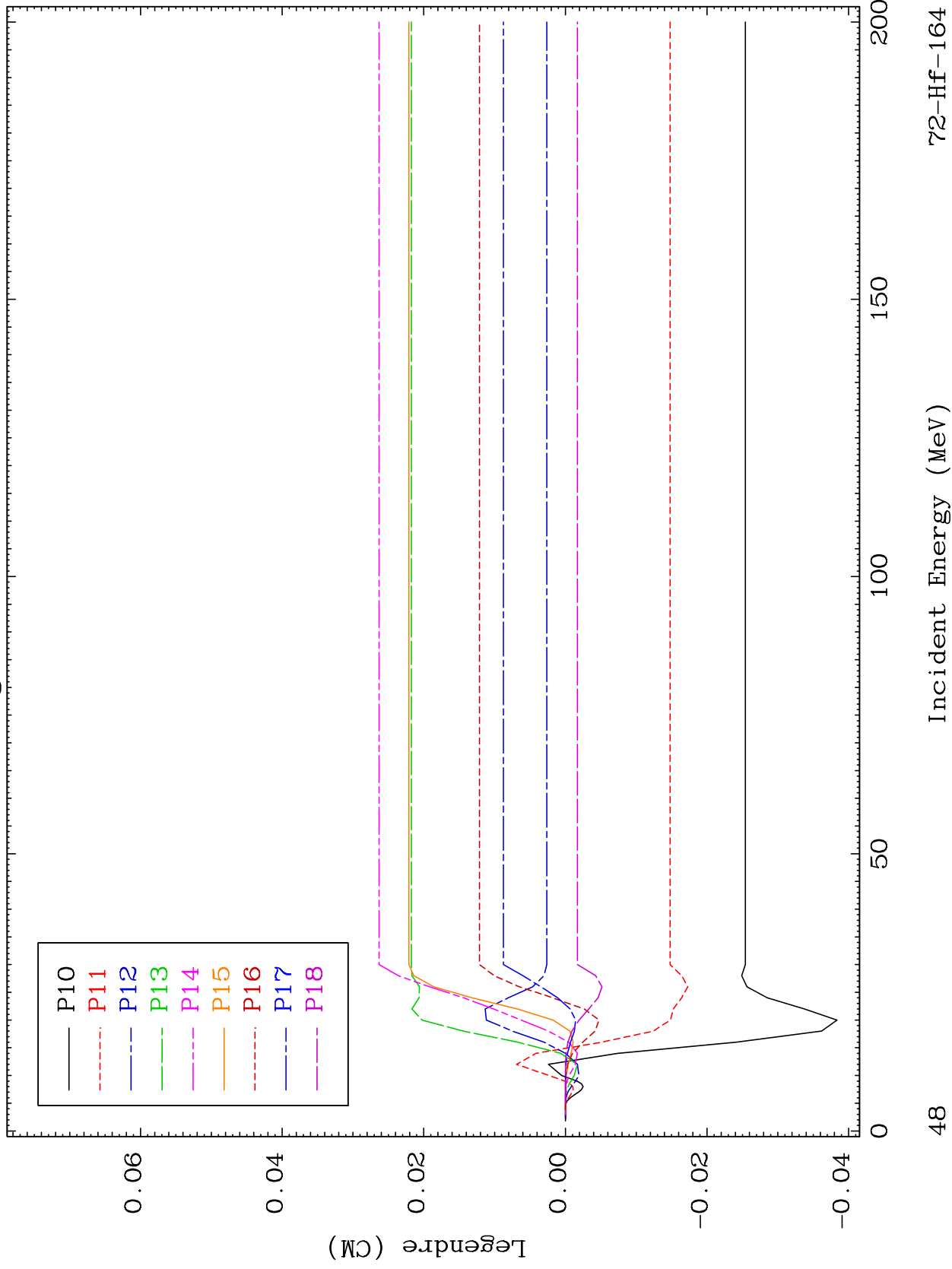
47



MAT 7195

1.353 MeV (n,n') Level  
Legendre Coefficients

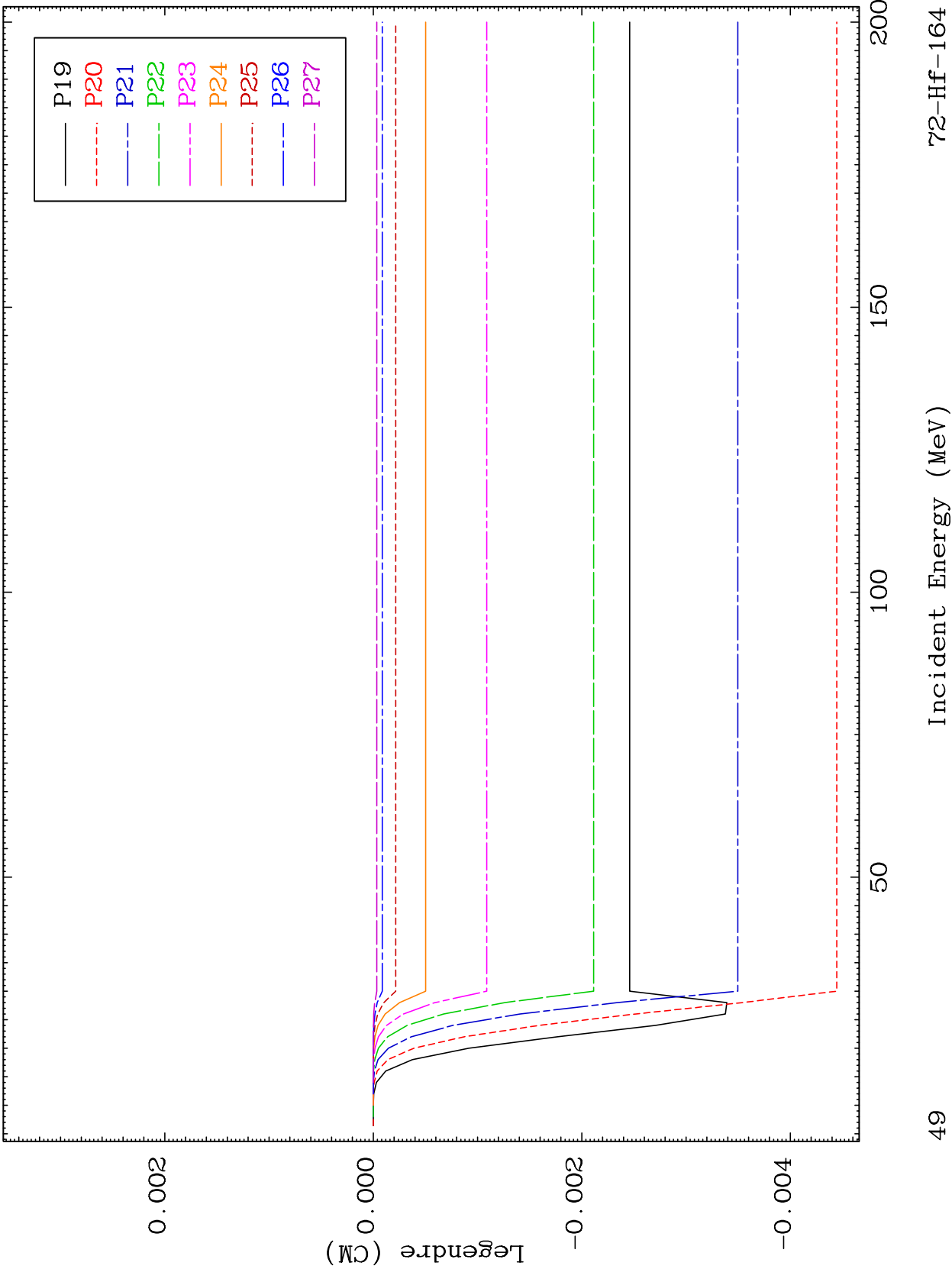
72-Hf-164

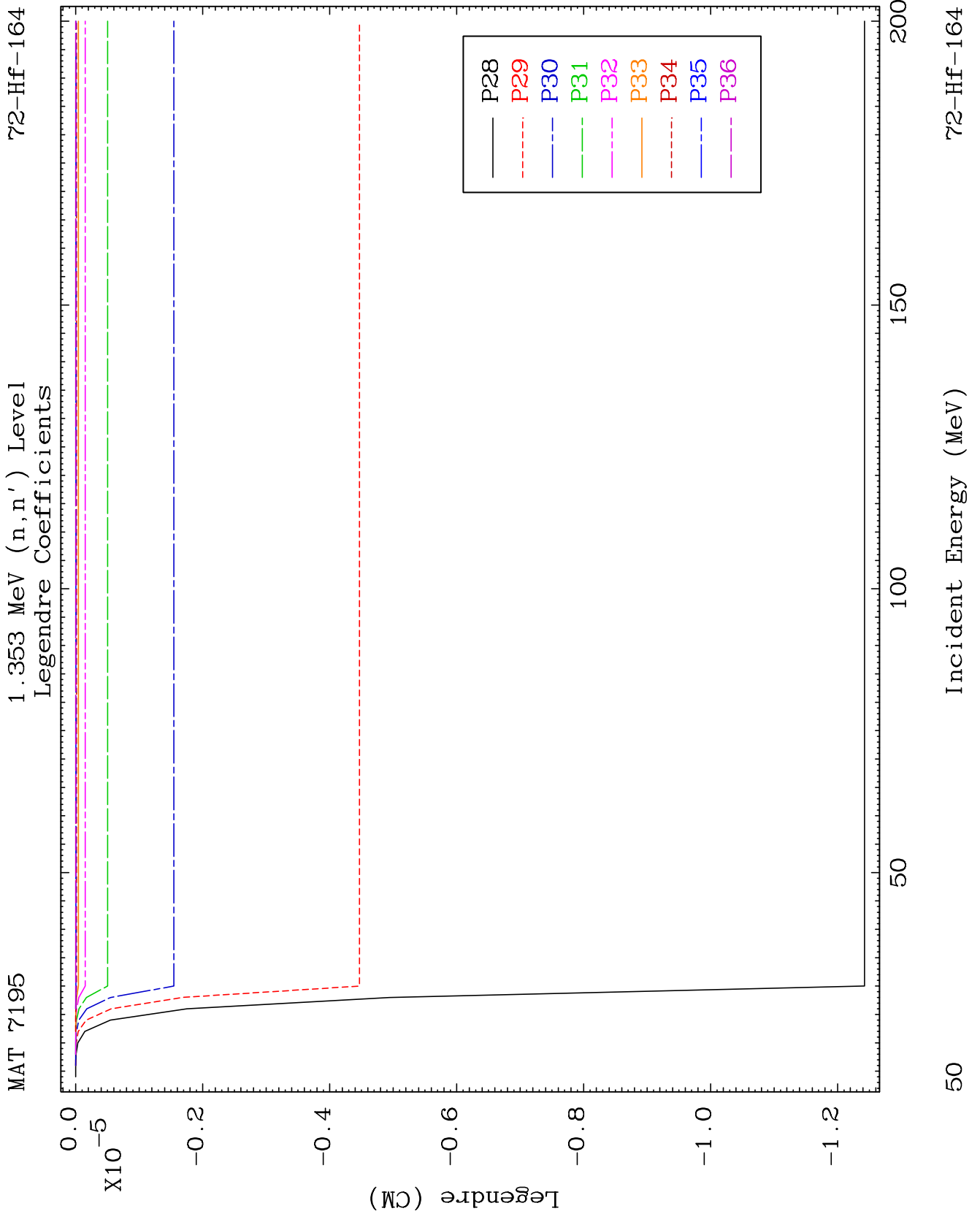


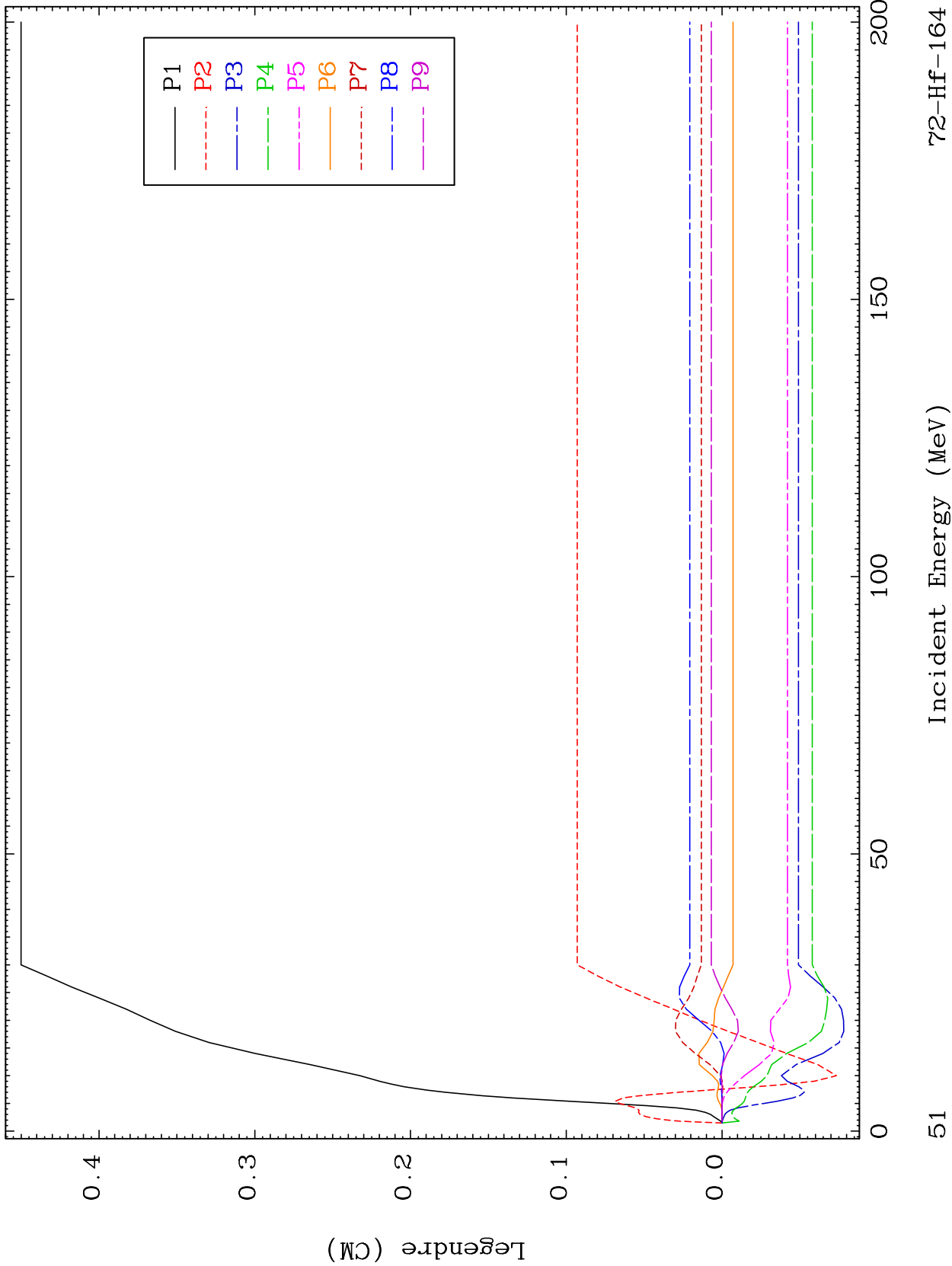
72-Hf-164

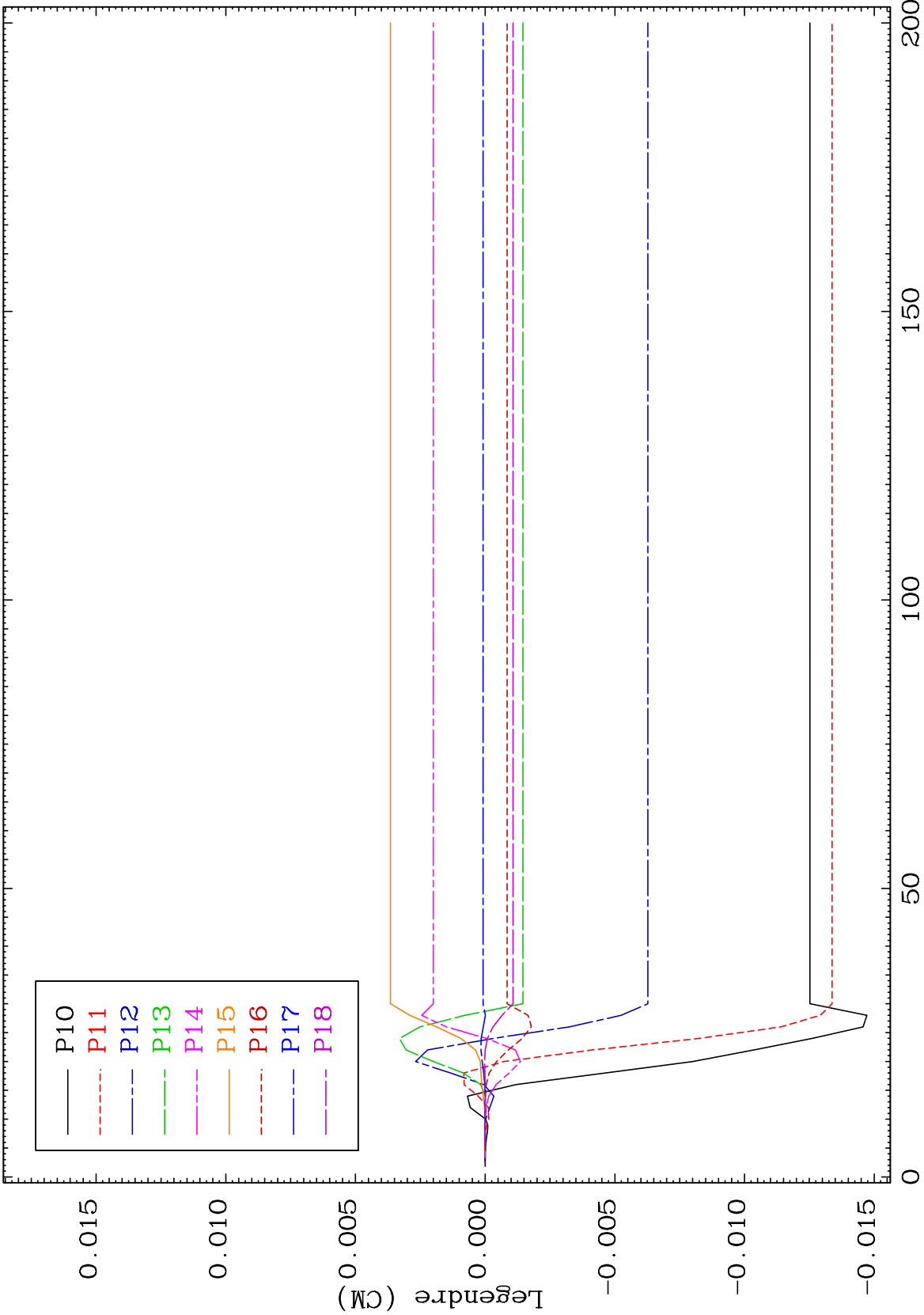
Incident Energy (MeV)

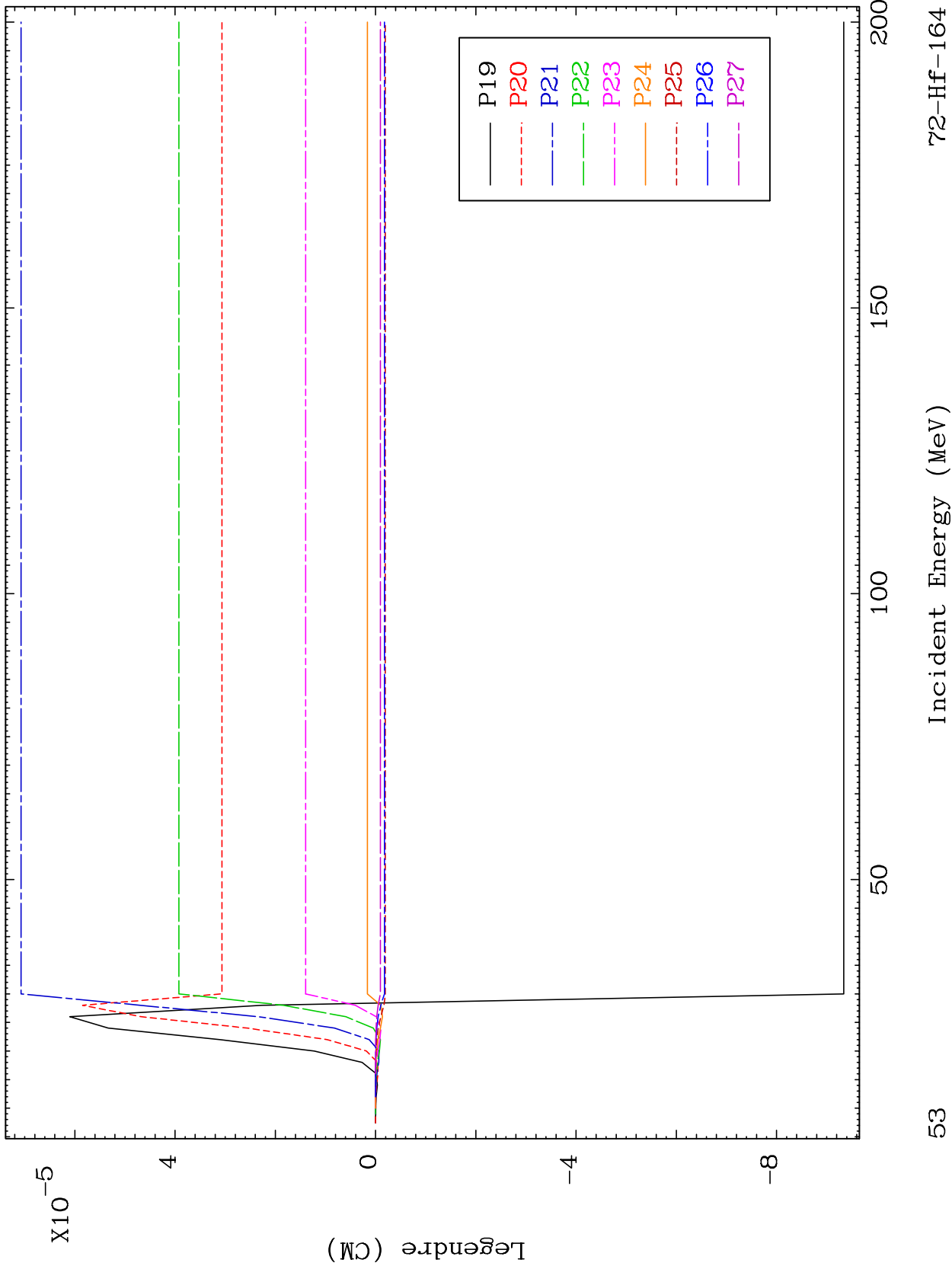
48



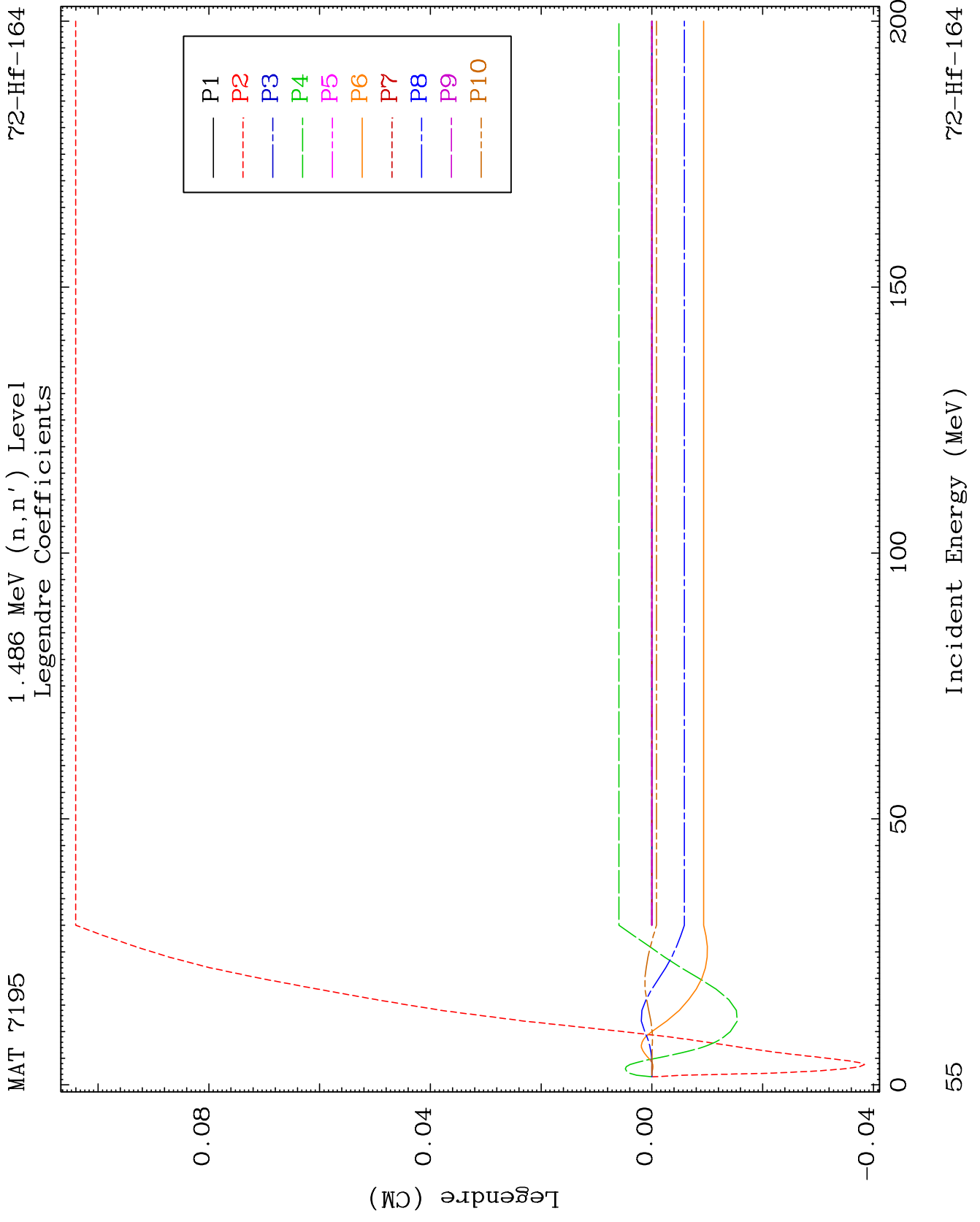




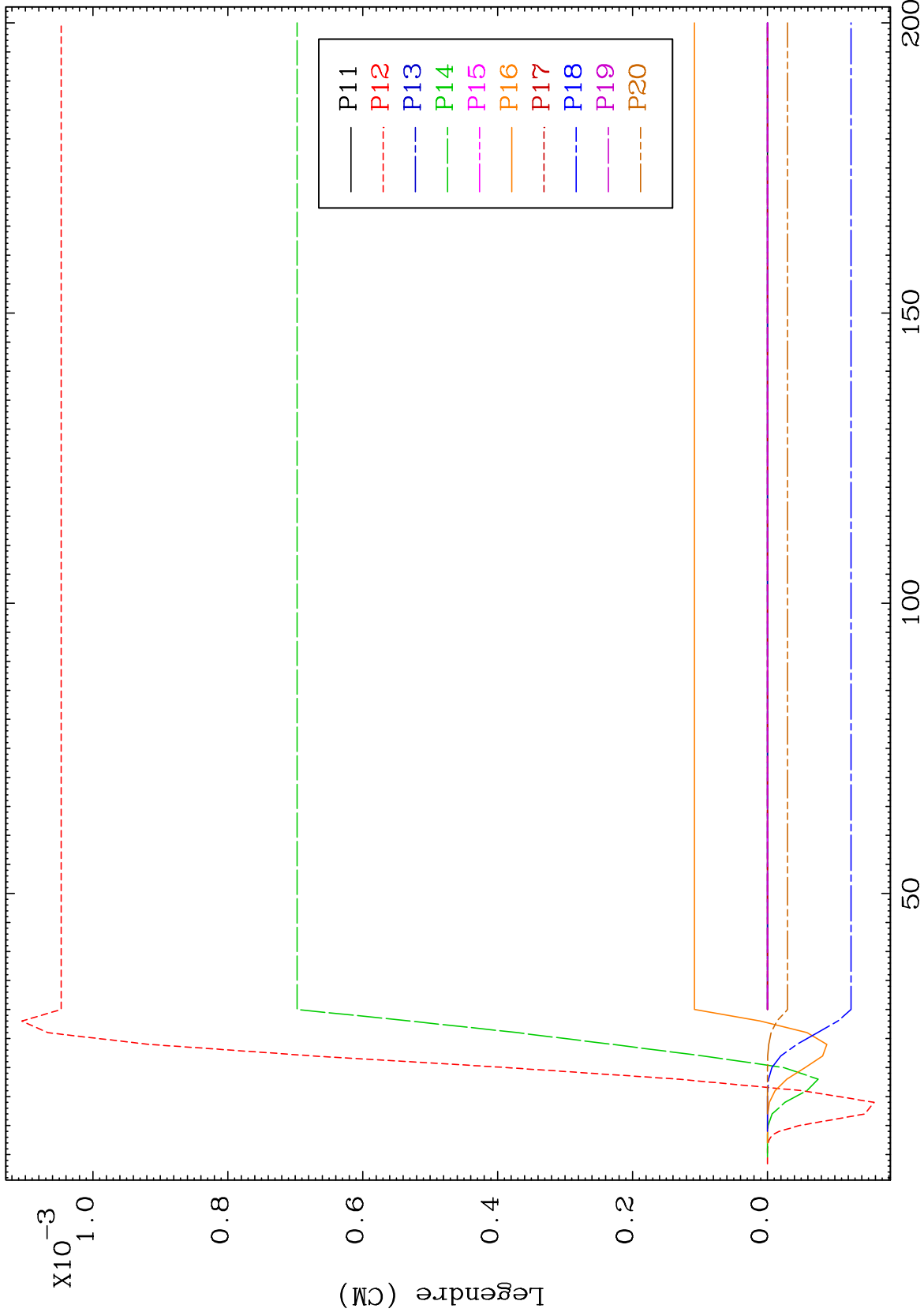


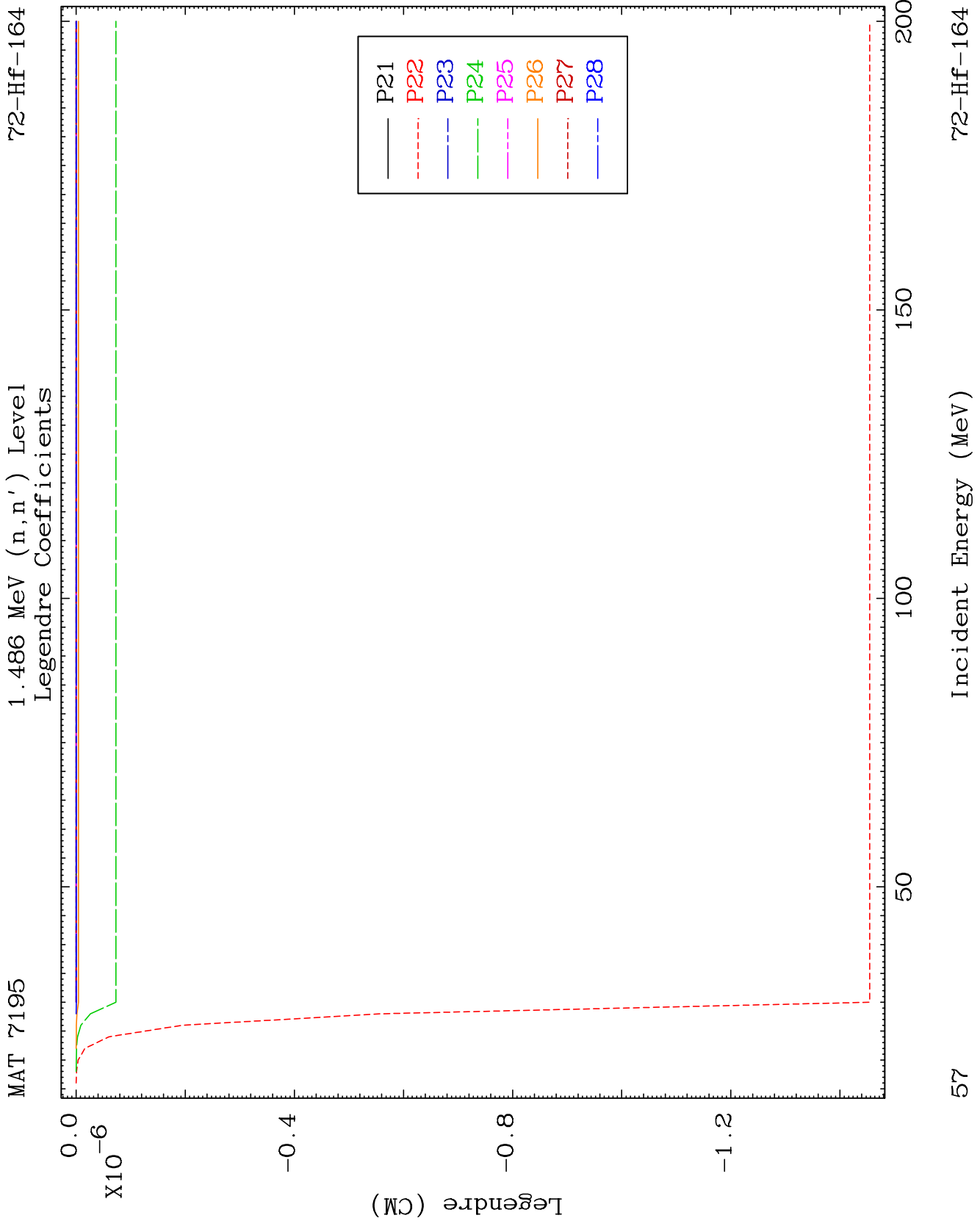










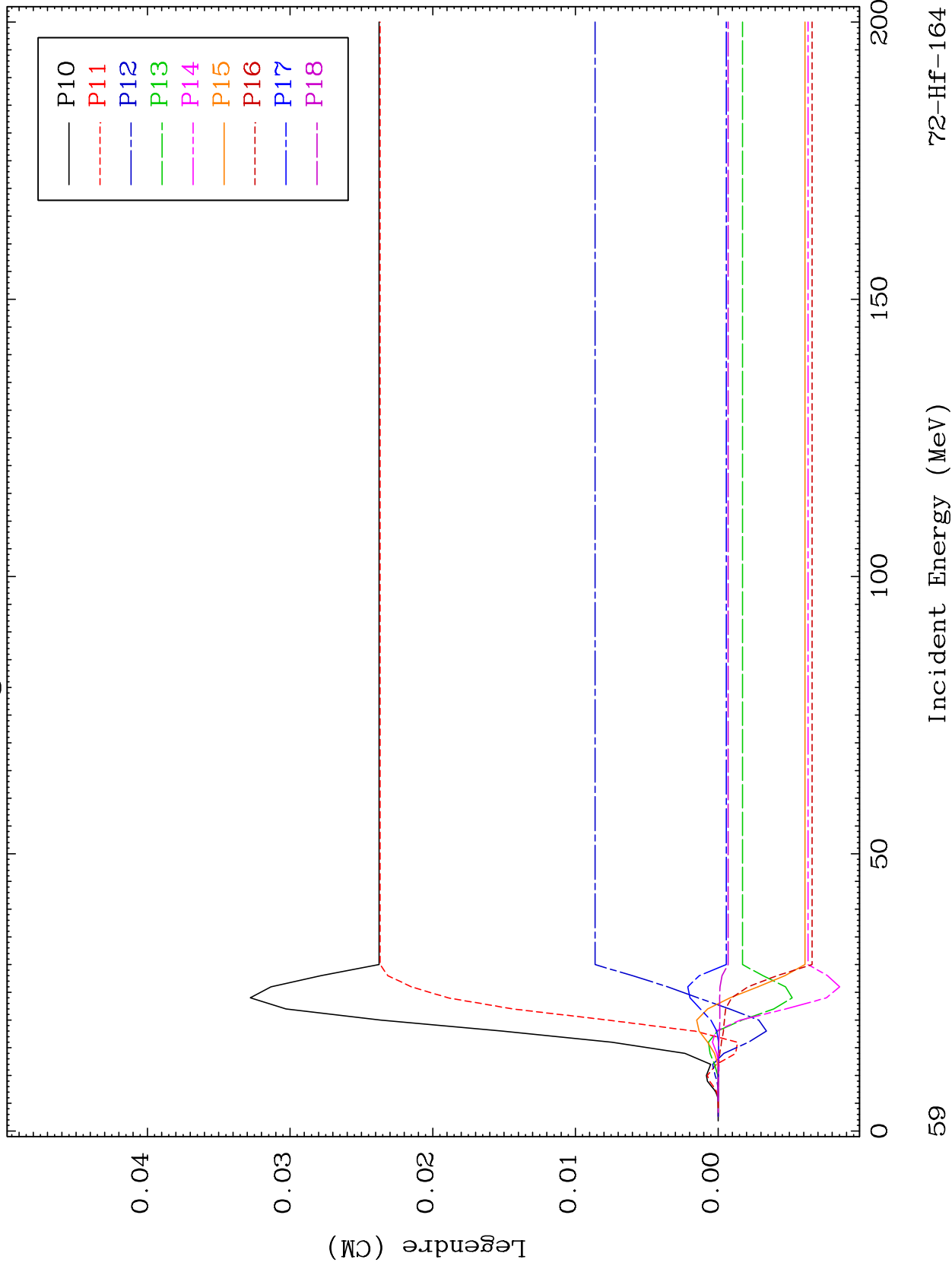




MAT 7195

1.521 MeV (n,n') Level  
Legendre Coefficients

72-Hf-164

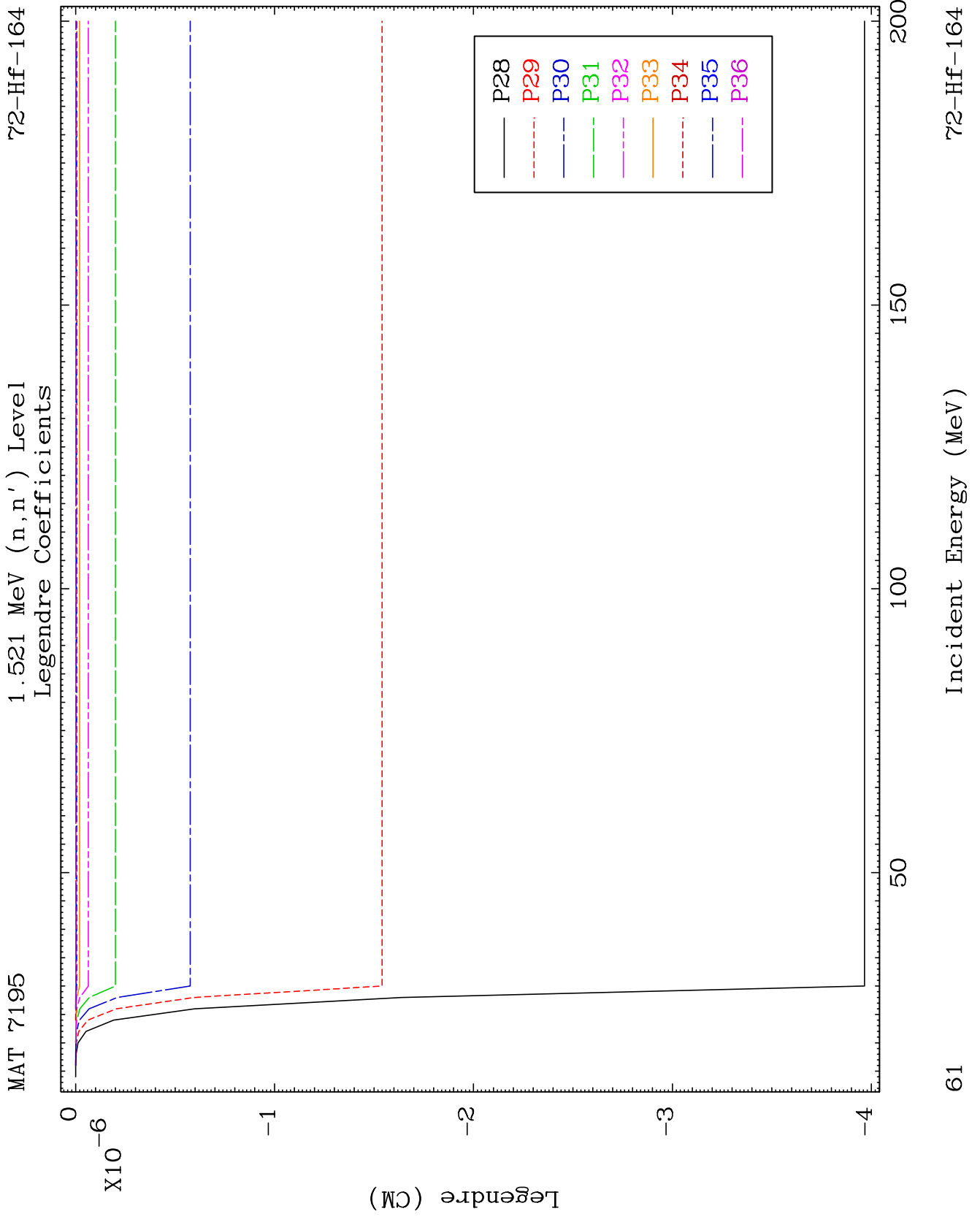


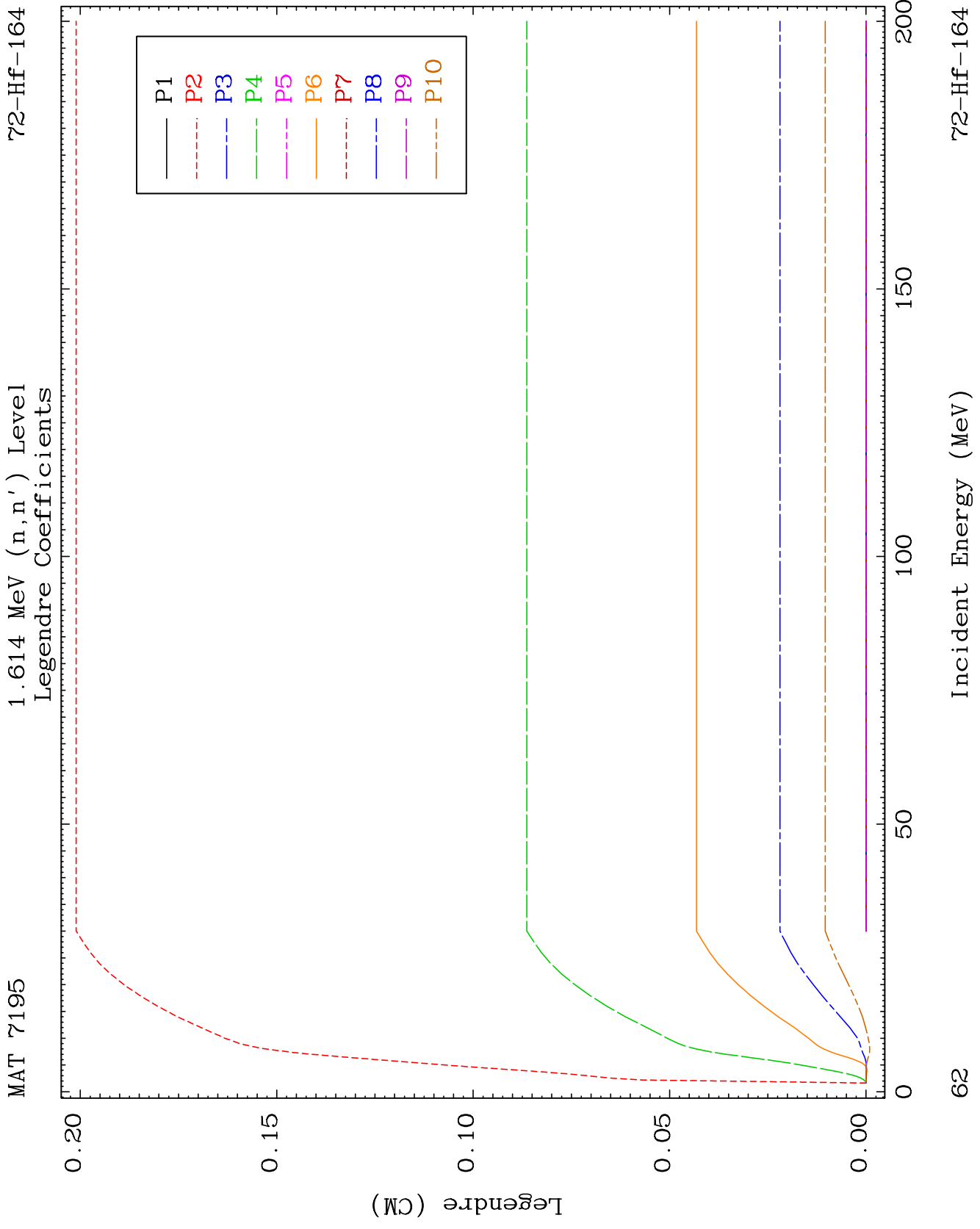
72-Hf-164

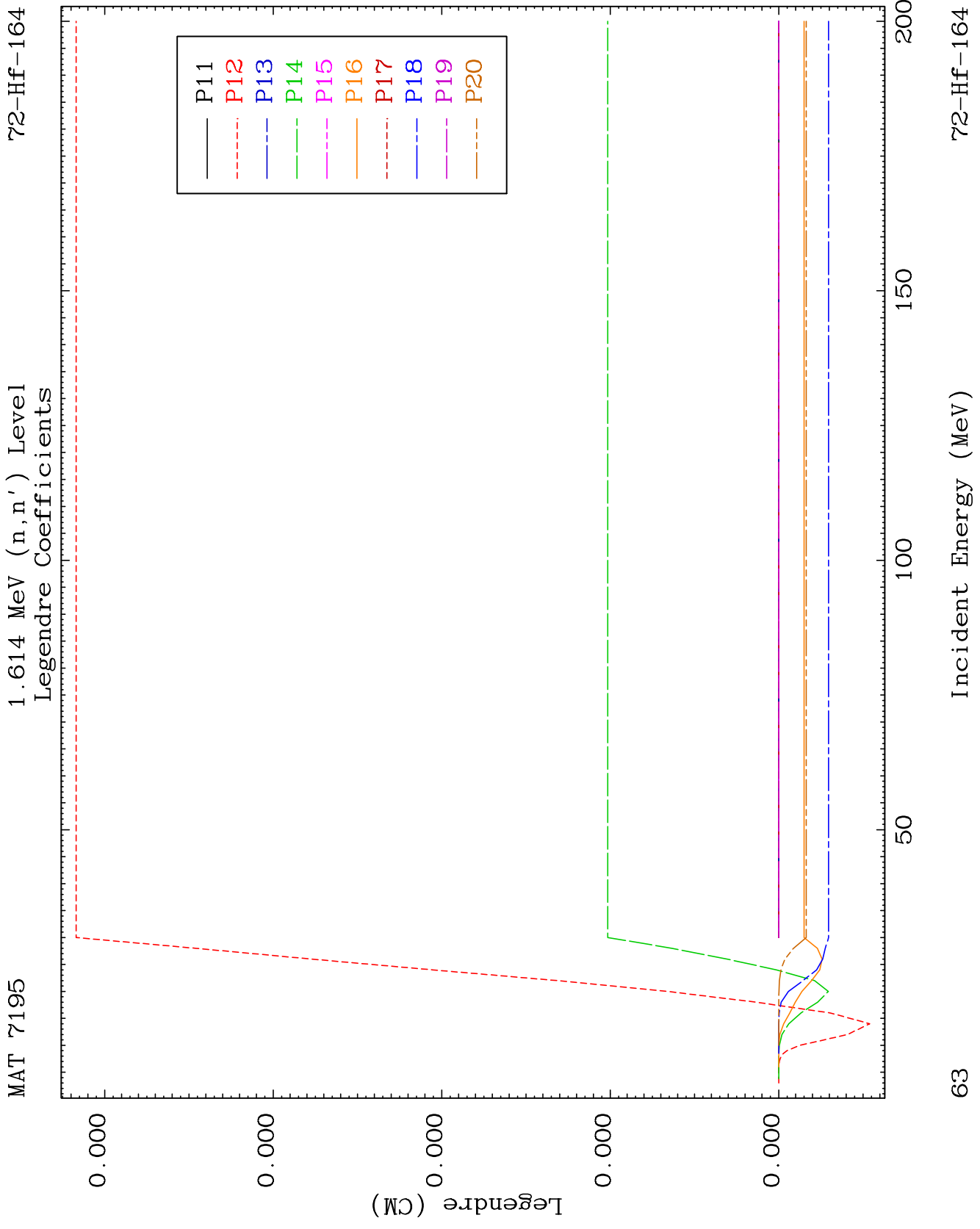
Incident Energy (MeV)

59

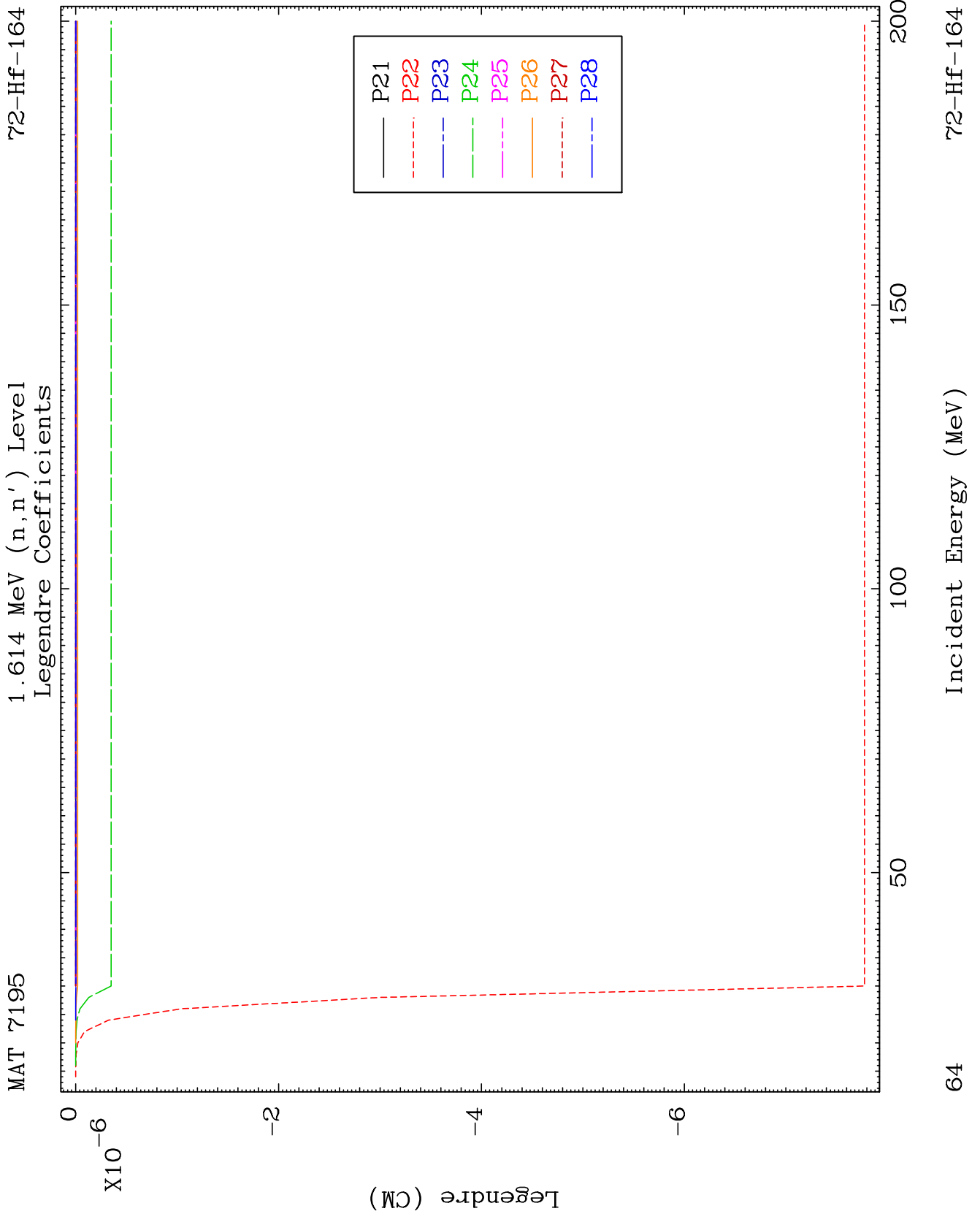








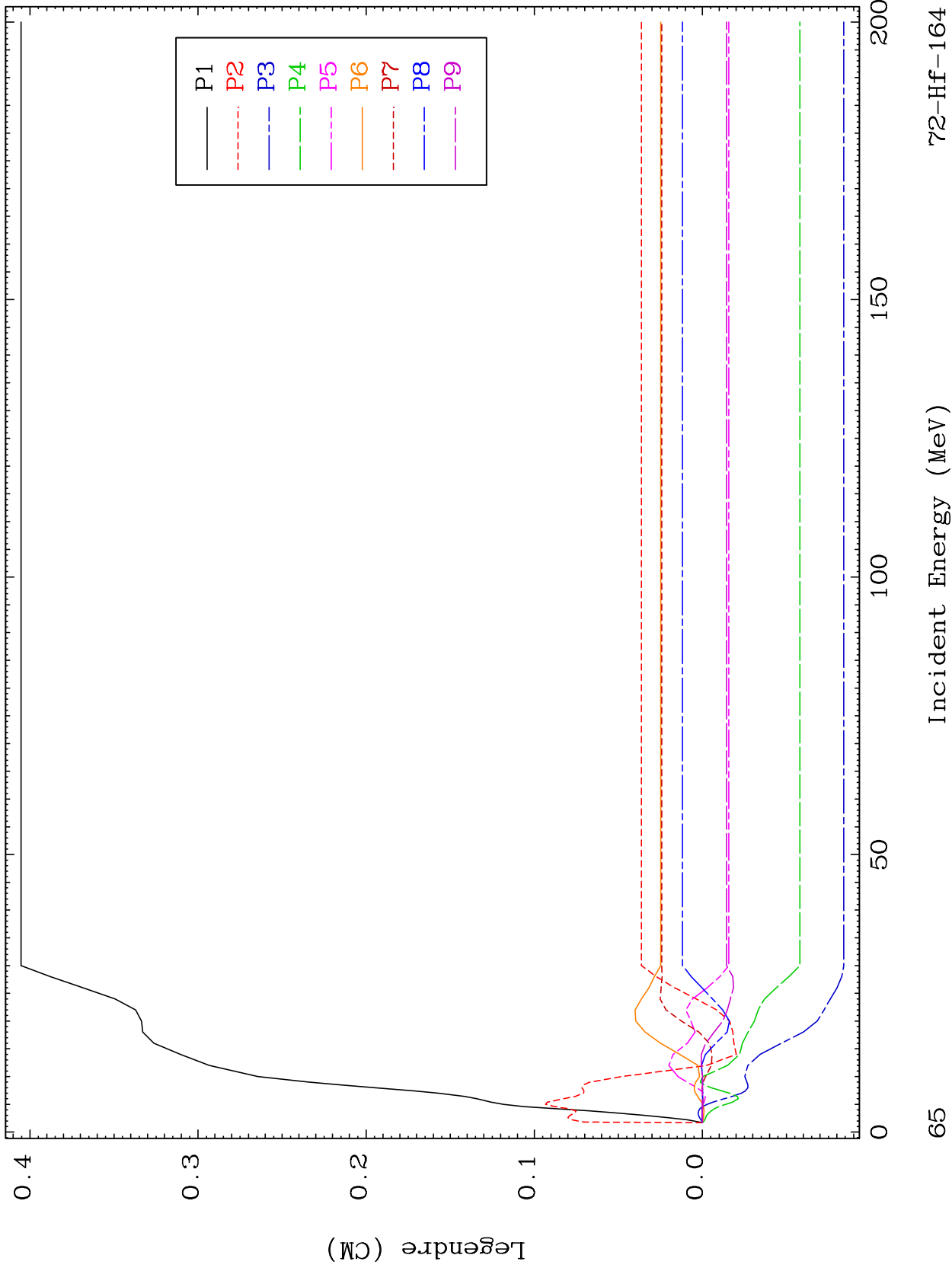




MAT 7195

1.669 MeV (n,n') Level  
Legendre Coefficients

72-Hf-164



72-Hf-164

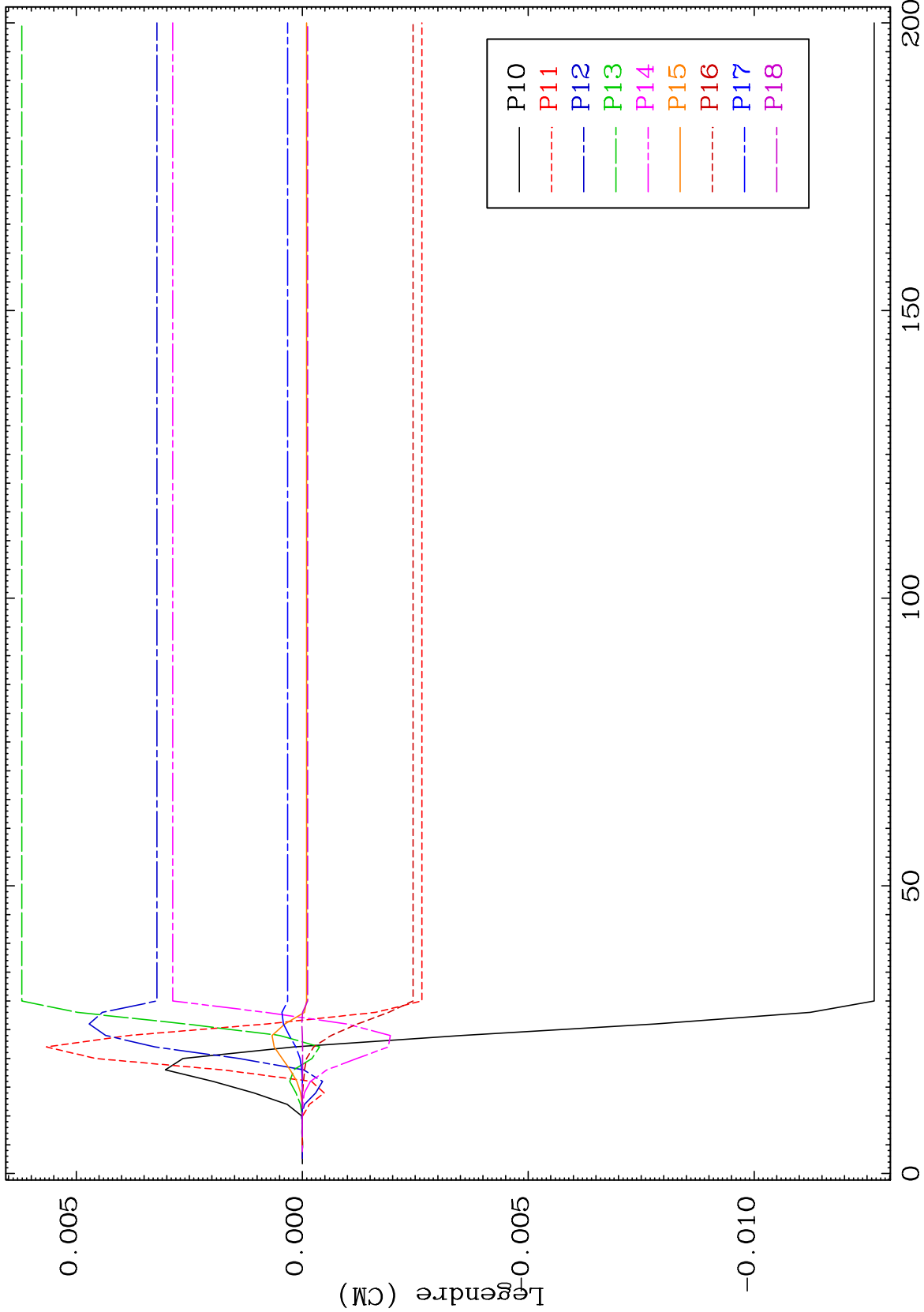
Incident Energy (MeV)

65

MAT 7195

1.669 MeV (n,n') Level  
Legendre Coefficients

72-Hf-164



66

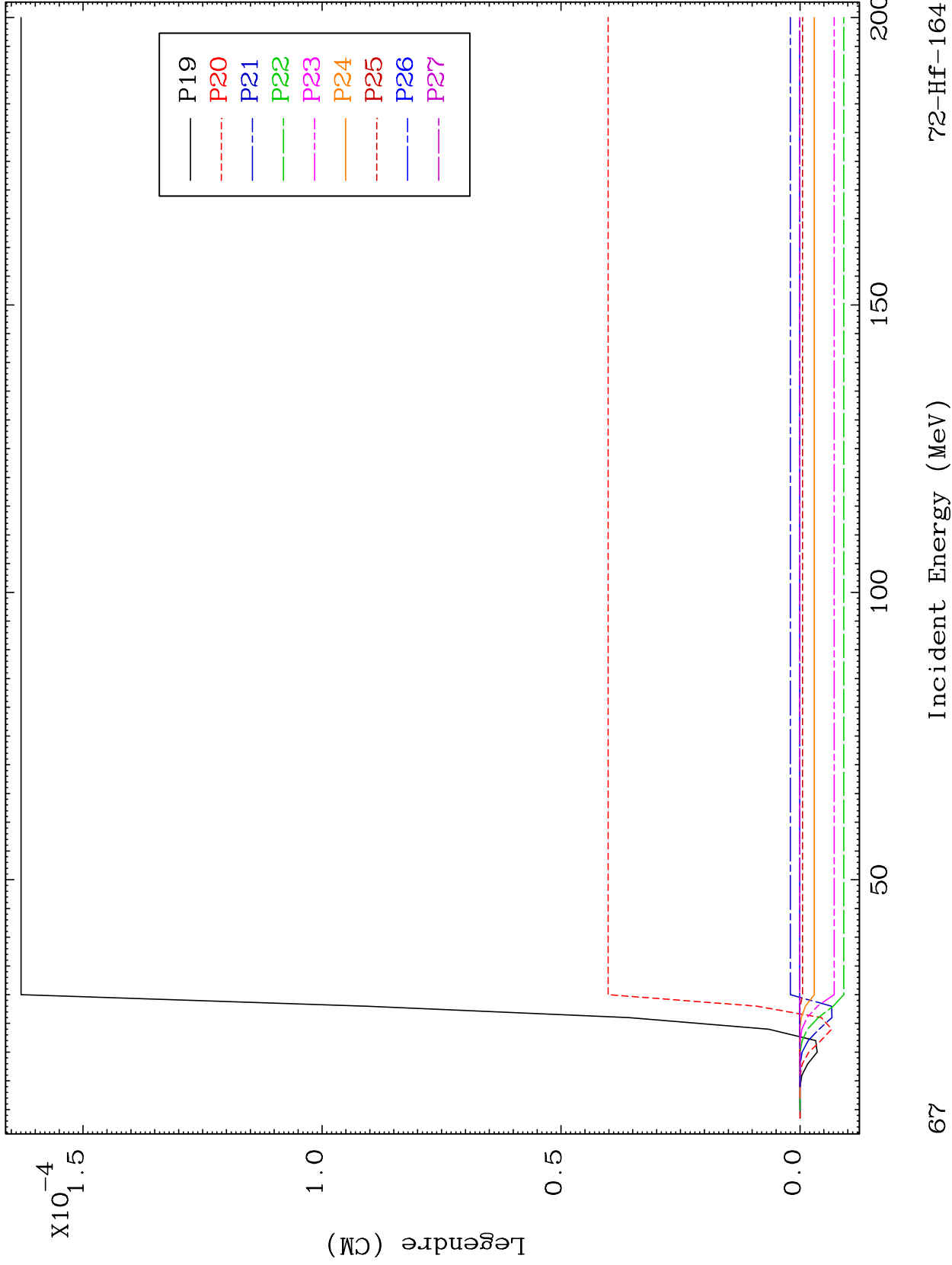
Incident Energy (MeV)

72-Hf-164

MAT 7195

1.669 MeV (n,n') Level  
Legendre Coefficients

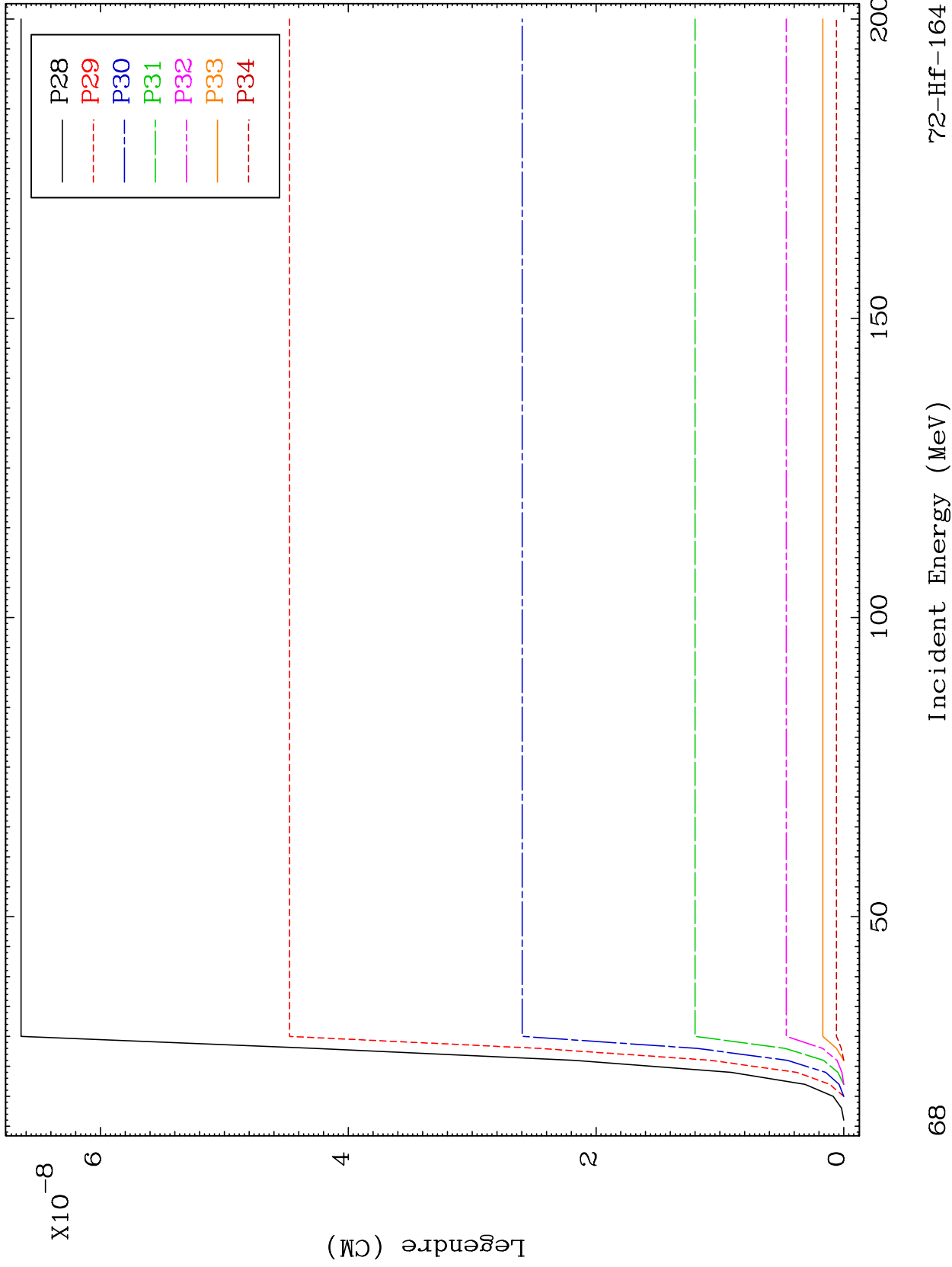
72-Hf-164



MAT 7195

1.669 MeV (n,n') Level  
Legendre Coefficients

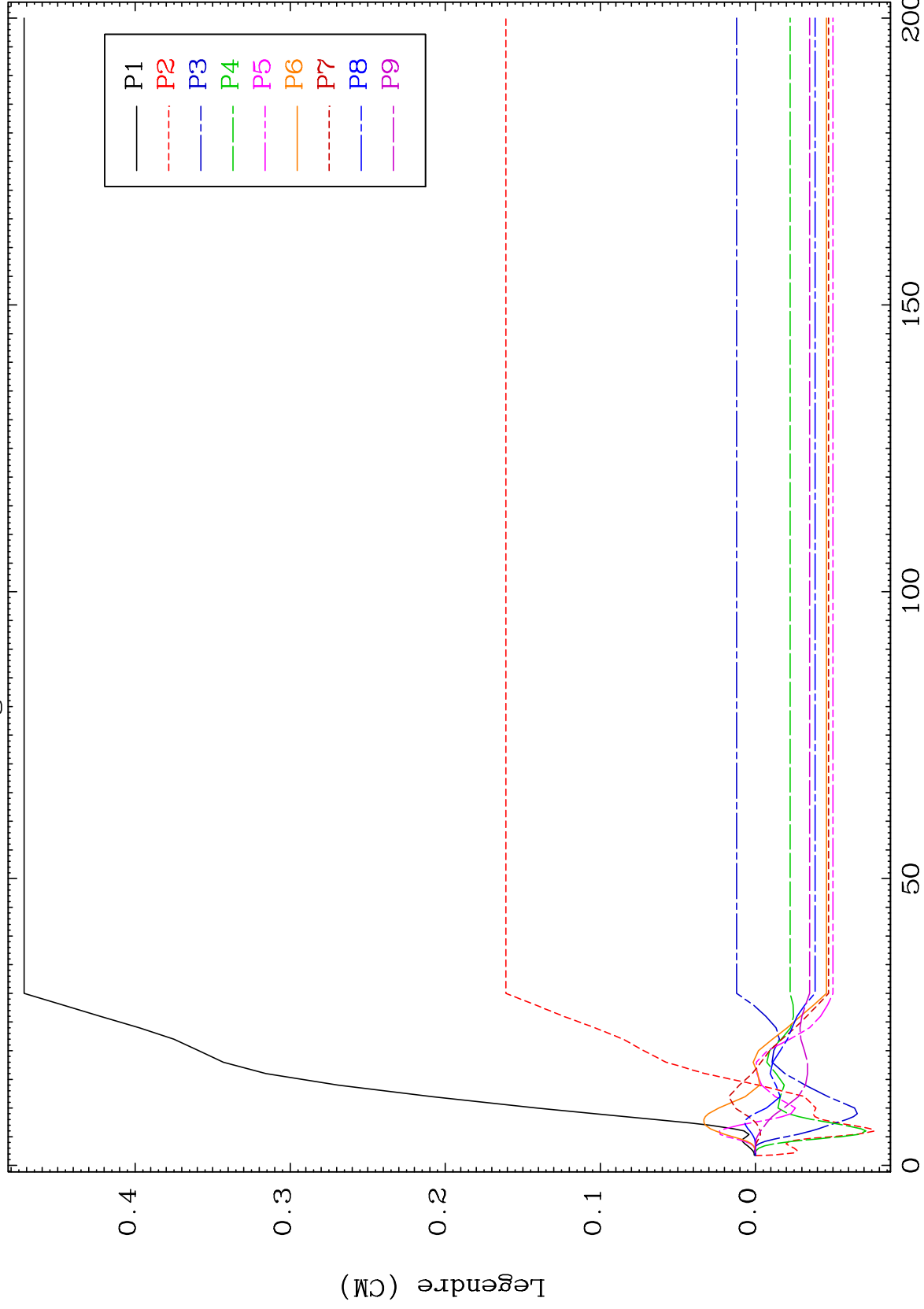
72-Hf-164



MAT 7195

1.676 MeV (n,n') Level  
Legendre Coefficients

72-Hf-164



72-Hf-164

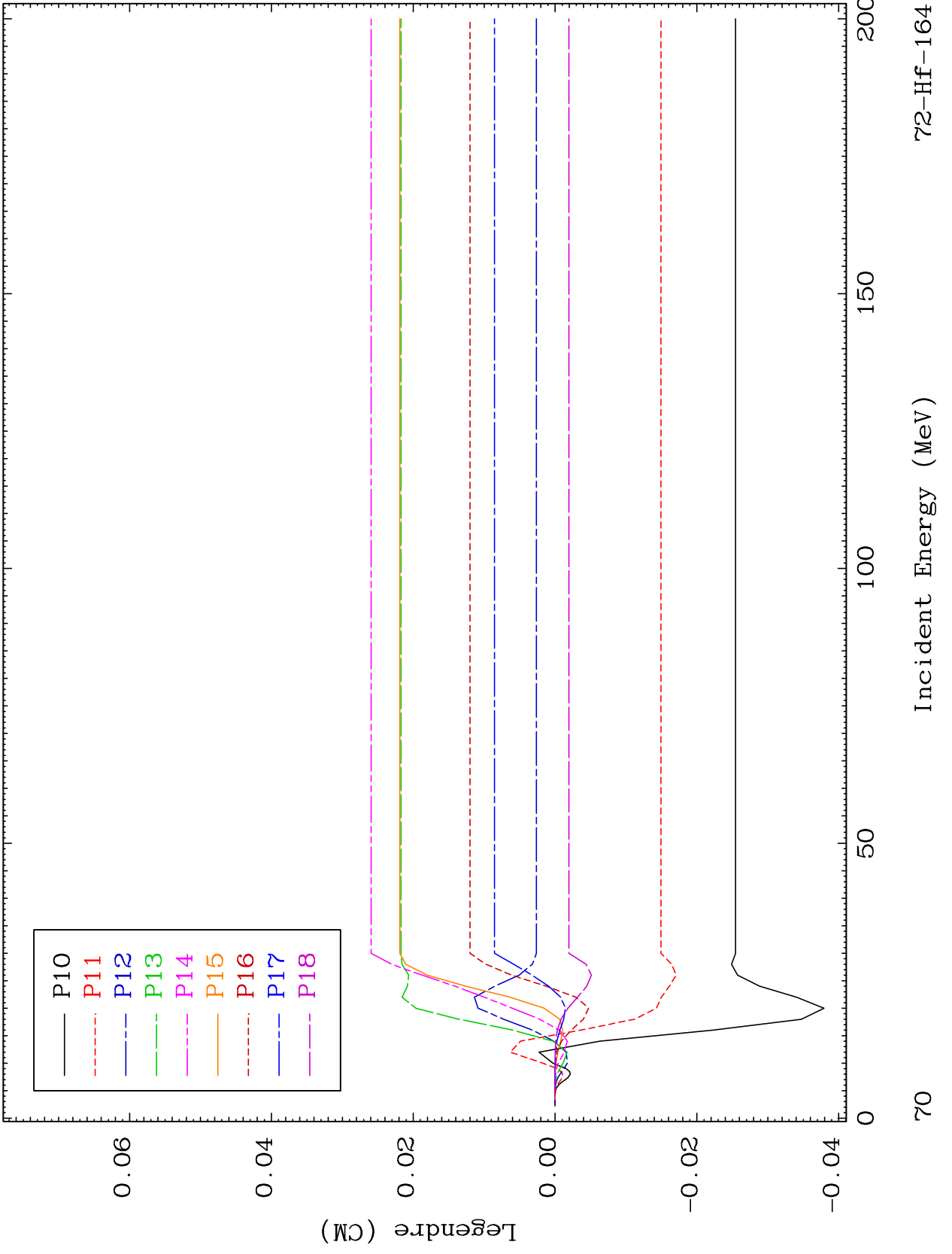
Incident Energy (MeV)

69

MAT 7195

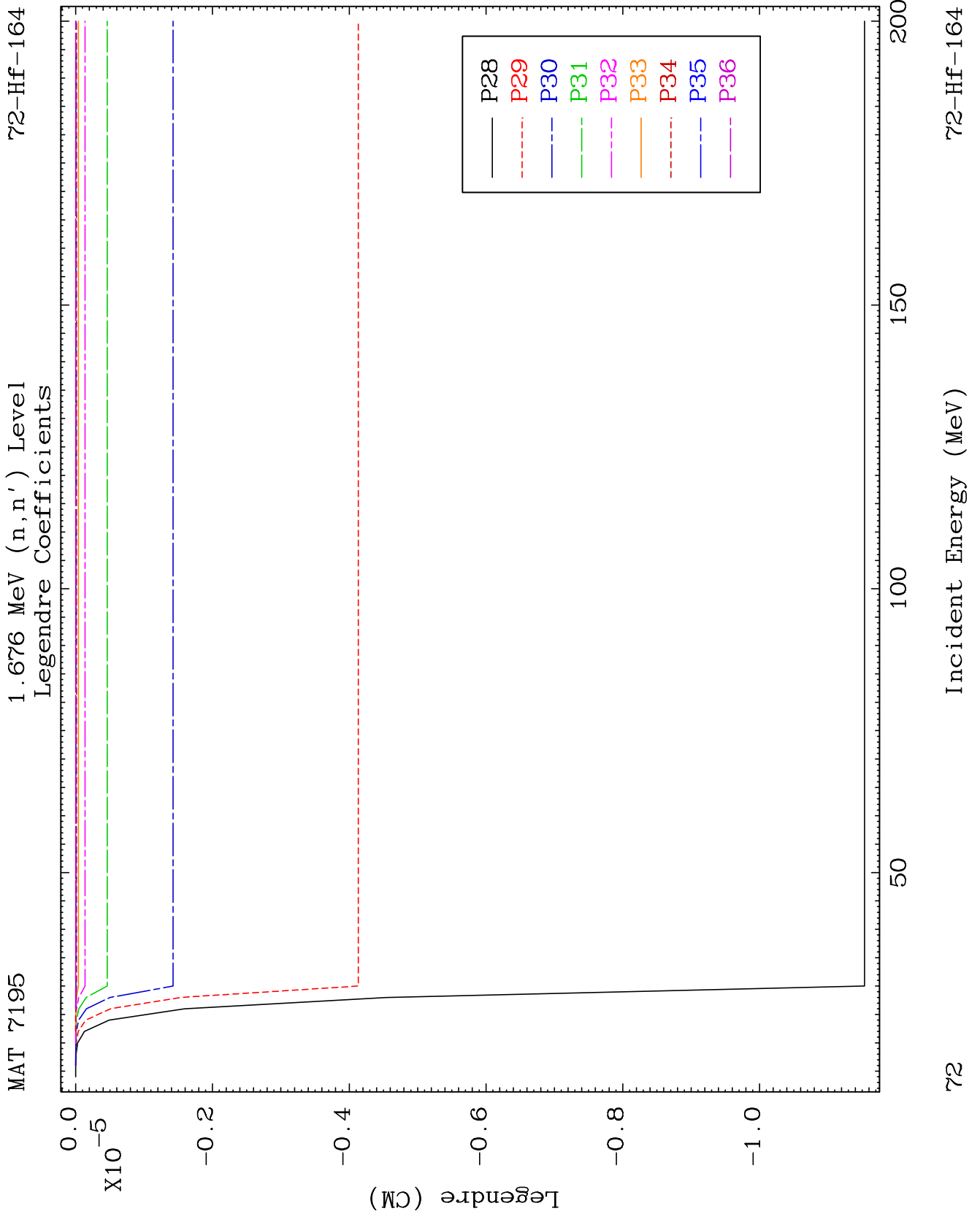
1.676 MeV (n,n') Level  
Legendre Coefficients

72-Hf-164







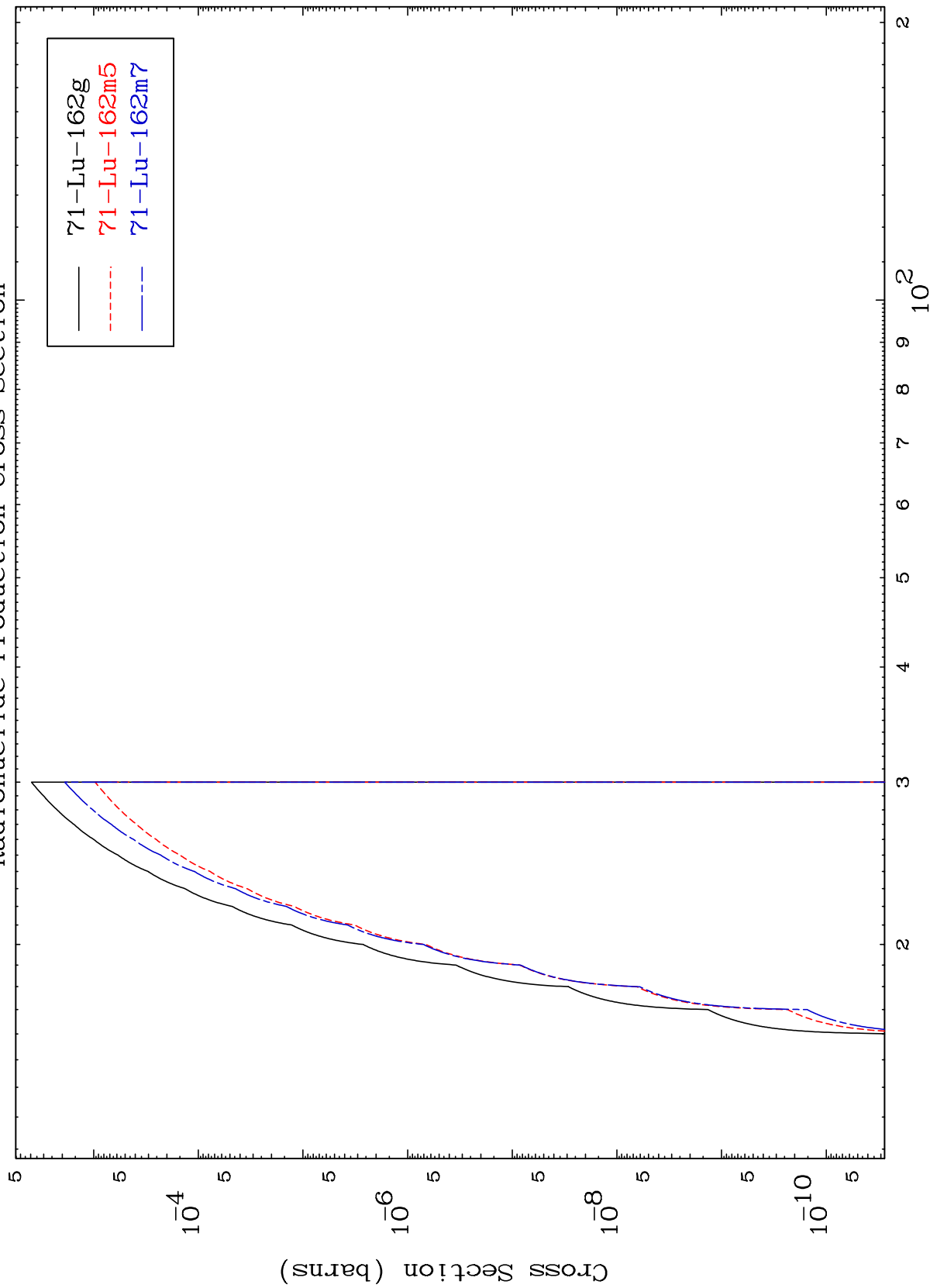


MAT 7195

(n,n') d

72-Hf-164

Radionuclide Production Cross Section



73

Incident Energy (MeV)

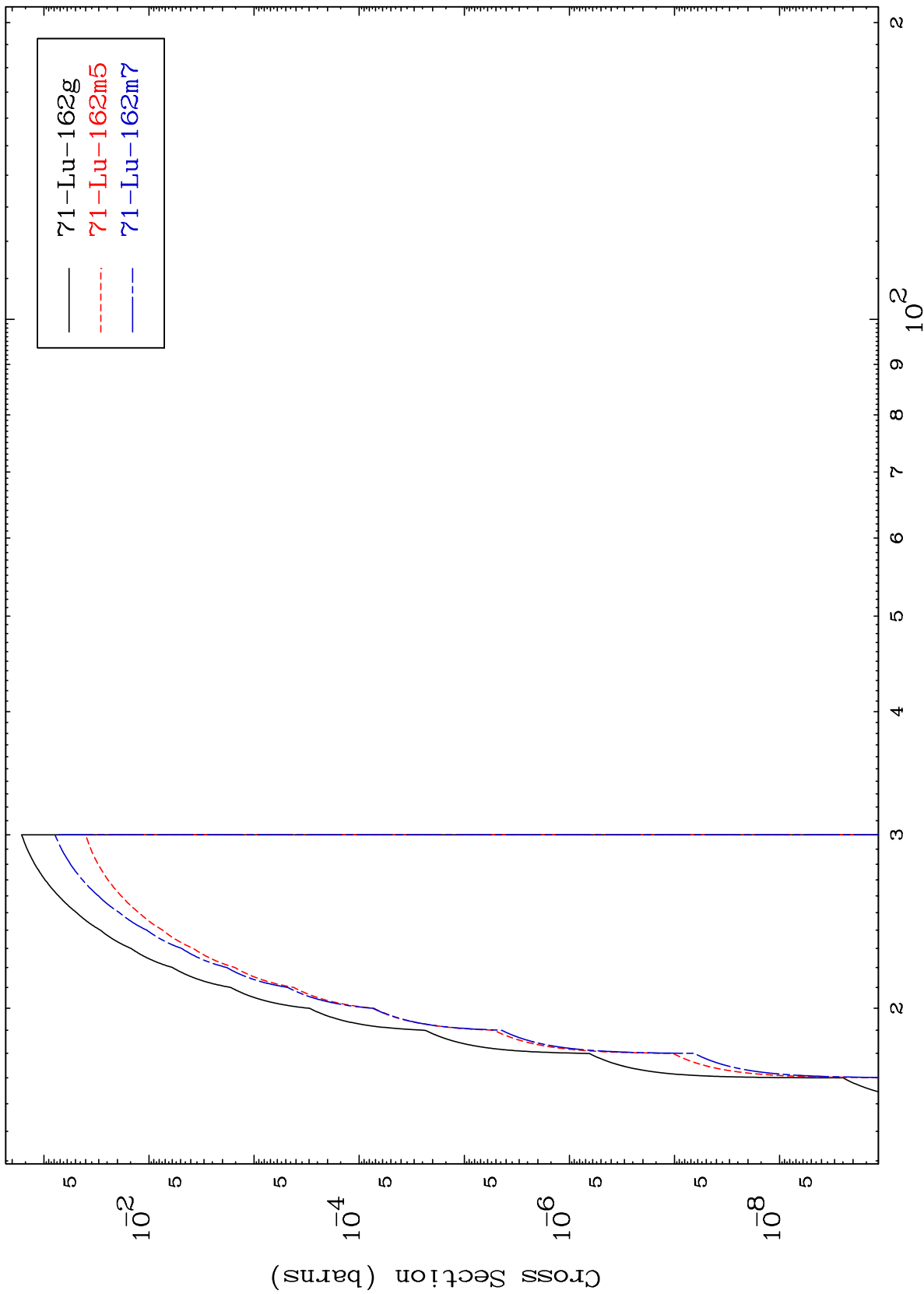
72-Hf-164

MAT 7195

(n,2n) p

72-Hf-164

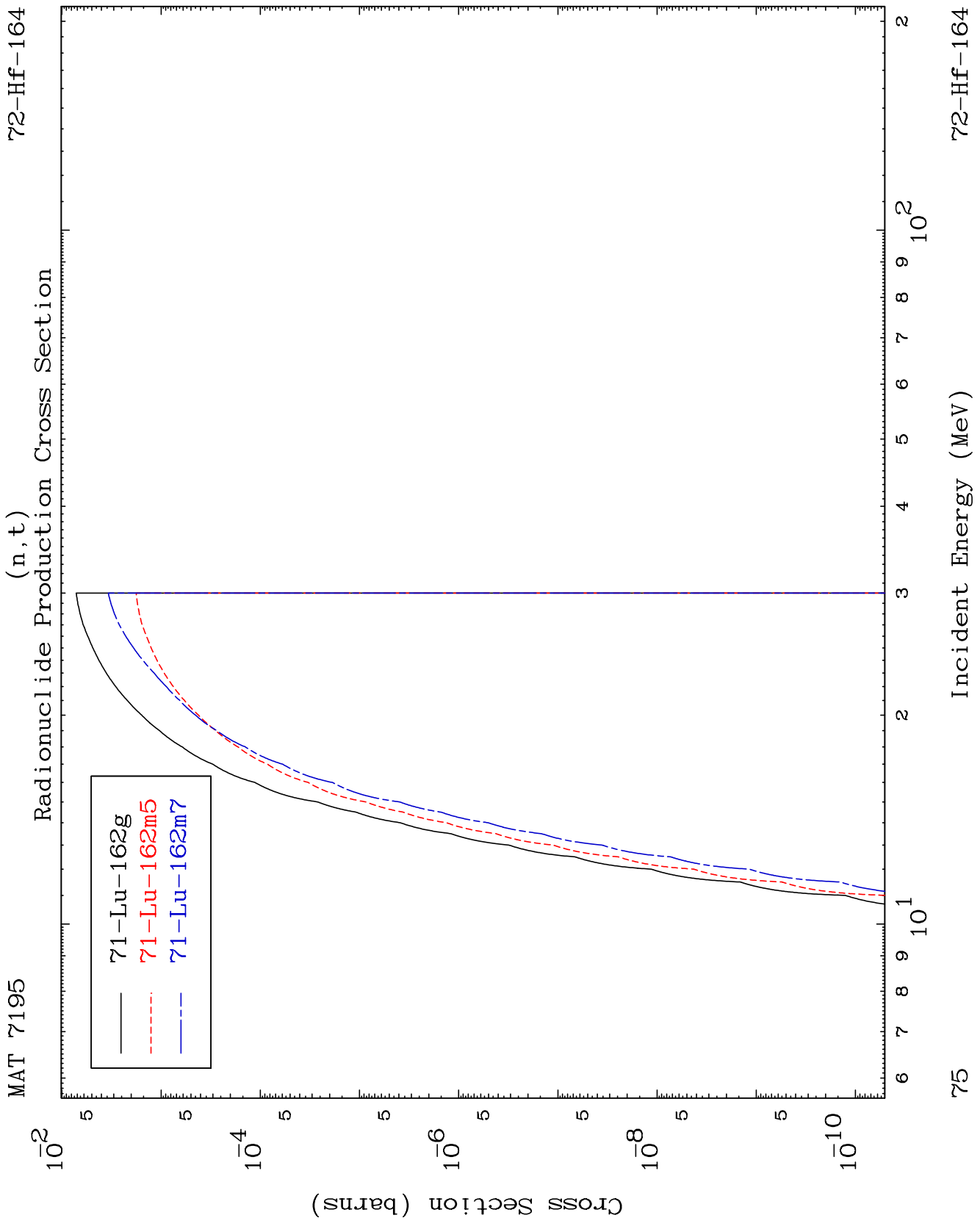
Radionuclide Production Cross Section



74

Incident Energy (MeV)

72-Hf-164

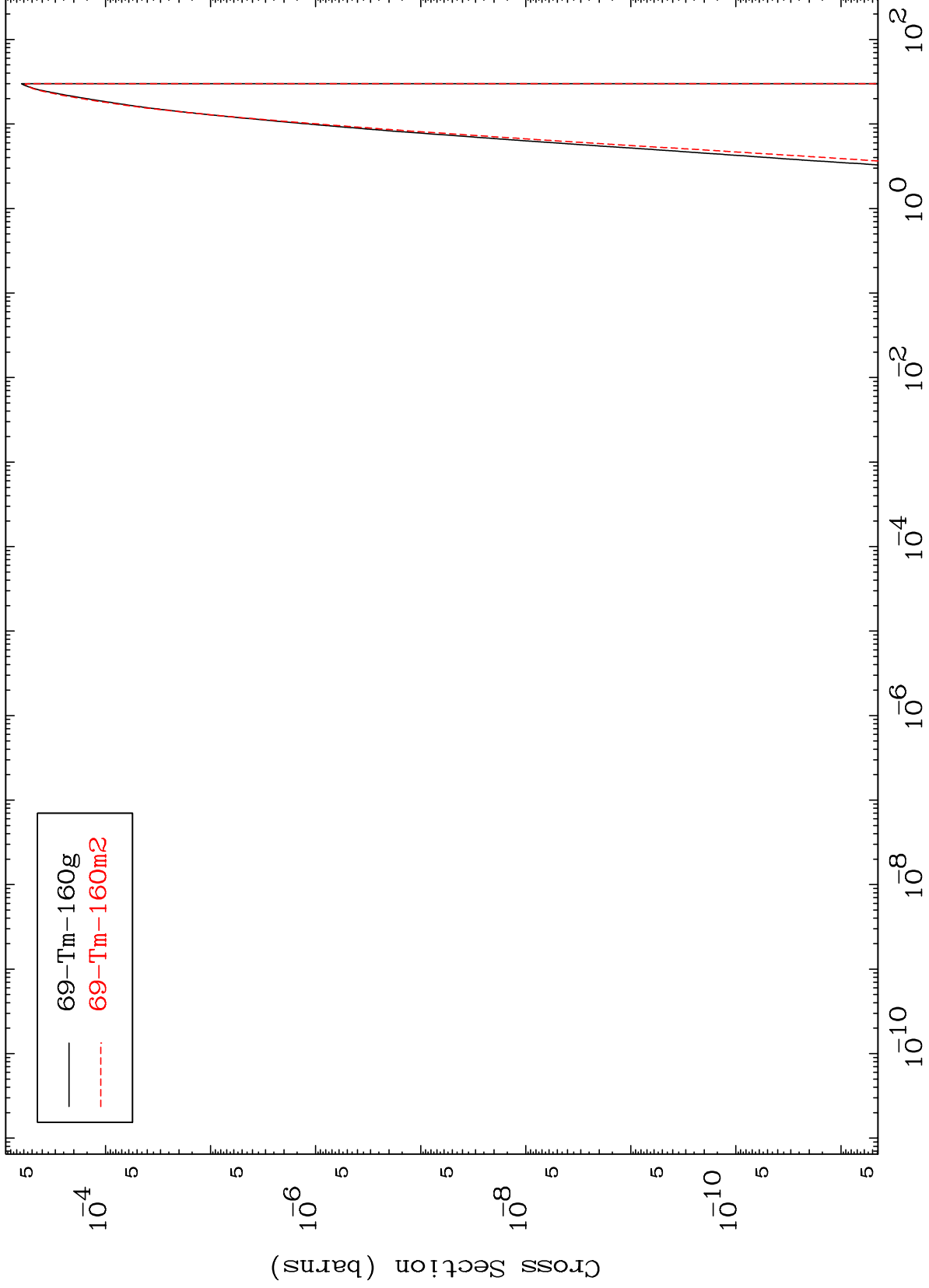


MAT 7195

(n,p)  $\alpha$

72-Hf-164

Radionuclide Production Cross Section



76

Incident Energy (MeV)

72-Hf-164