

Program EVALPLOT  
(Version 2015-2)

by

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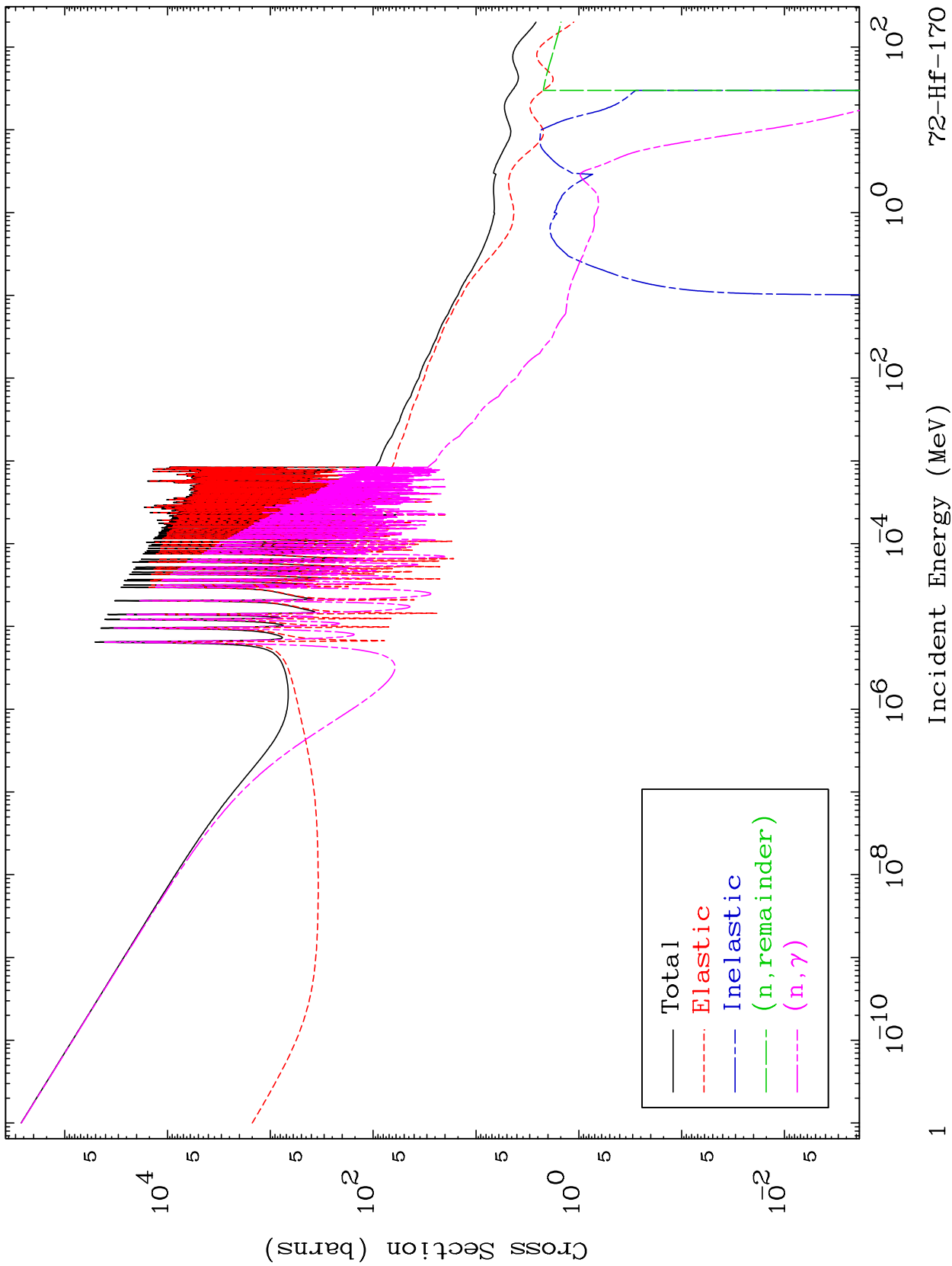
Press Mouse Button to Start

MAT 7213

Major

293 Kelvin Cross Sections

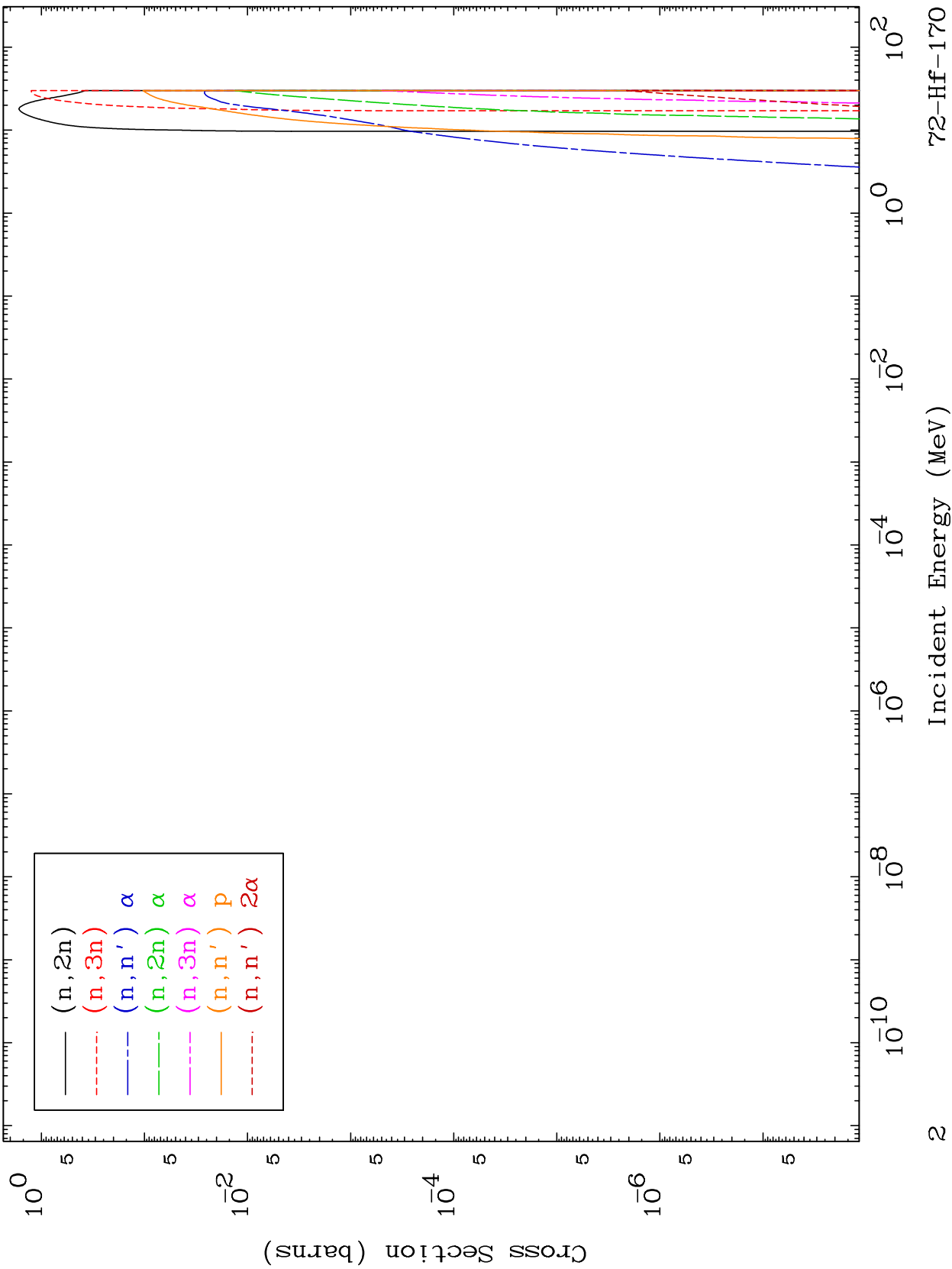
72-Hf-170



MAT 7213

Neutron Production  
293 Kelvin Cross Sections

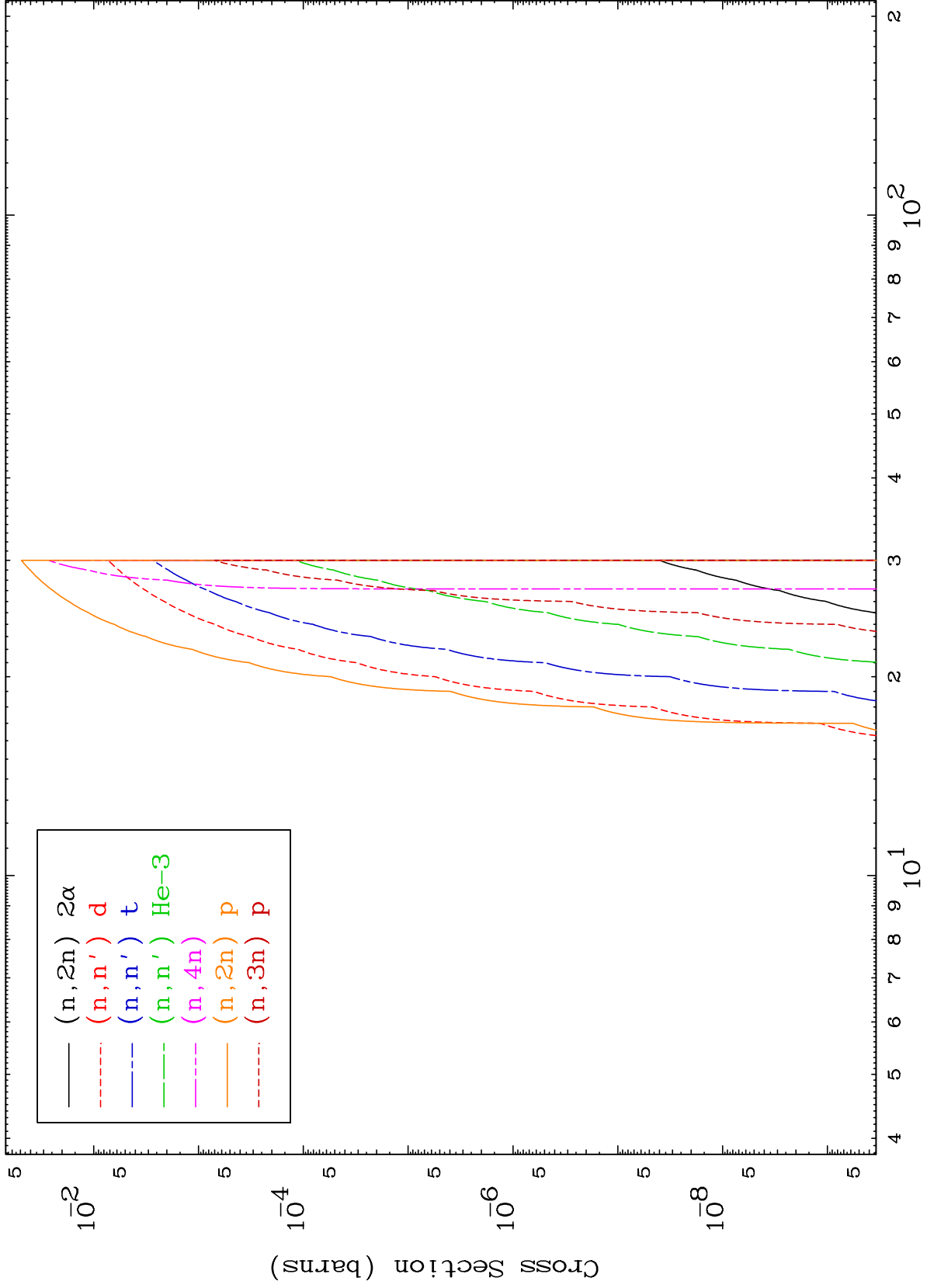
72-Hf-170



MAT 7213

Neutron Production  
293 Kelvin Cross Sections

72-Hf-170



3

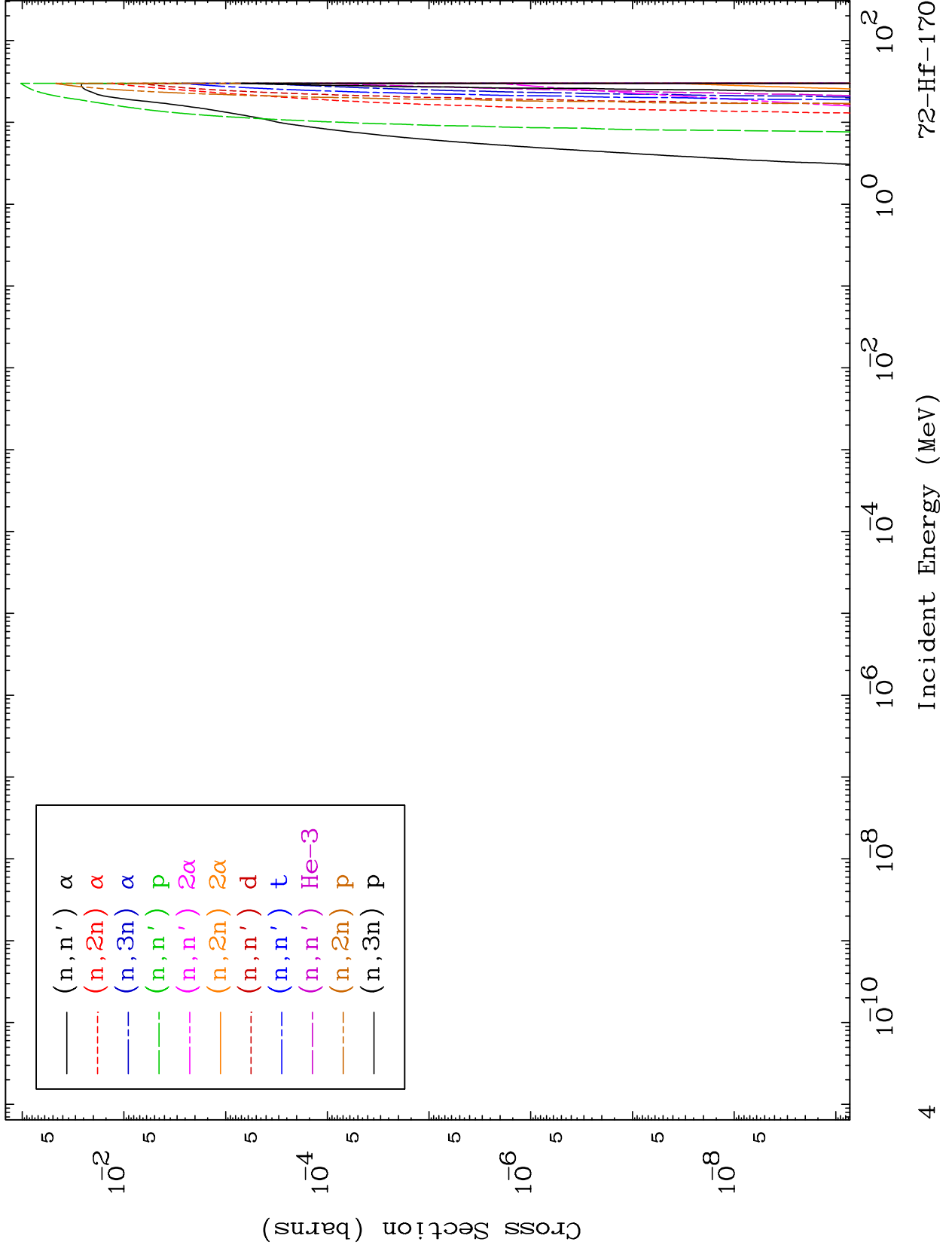
Incident Energy (MeV)

72-Hf-170

MAT 7213

Charged Particle  
293 Kelvin Cross Sections

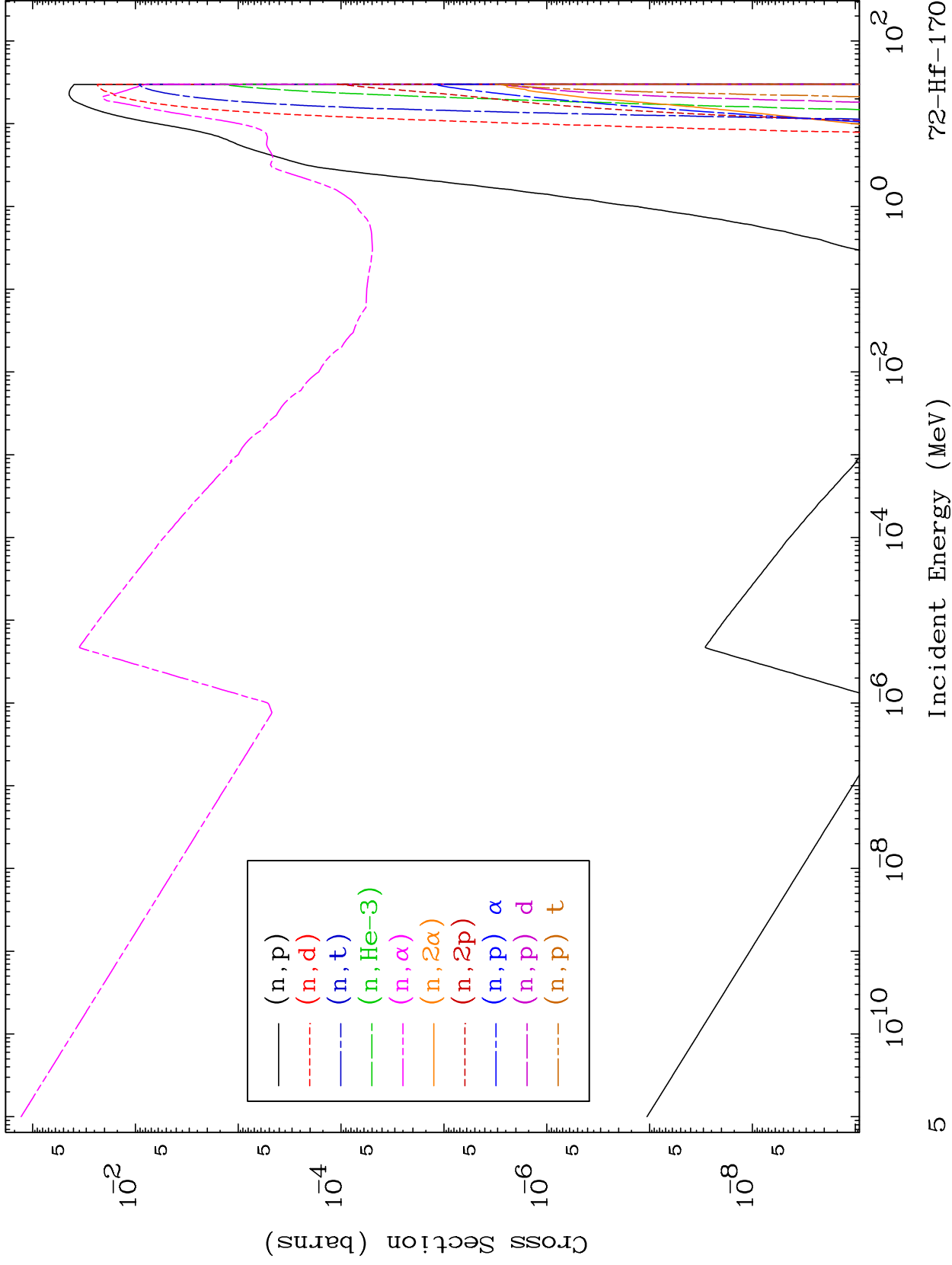
72-Hf-170



MAT 7213

Charged Particle  
293 Kelvin Cross Sections

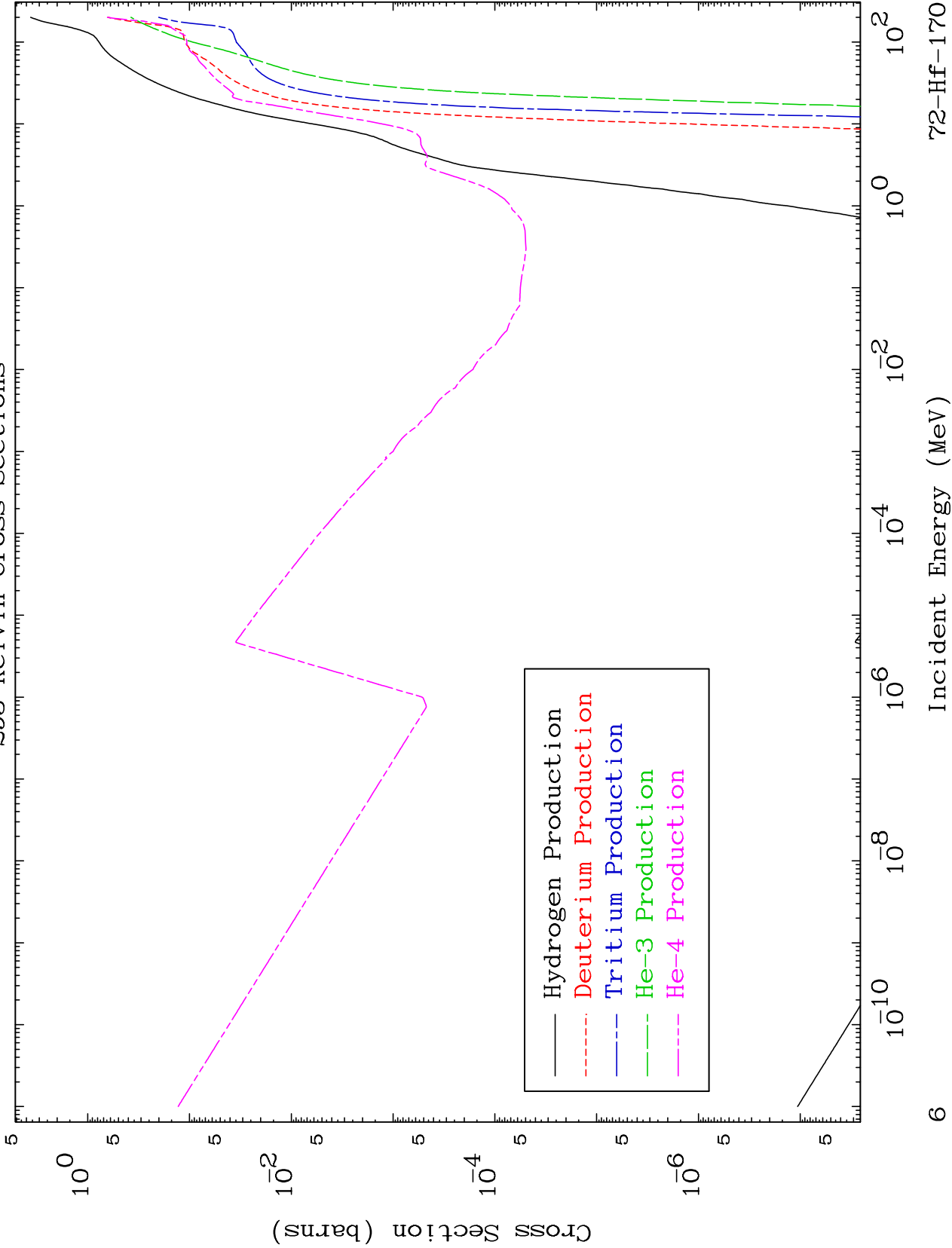
72-Hf-170



MAT 7213

Particle Production  
293 Kelvin Cross Sections

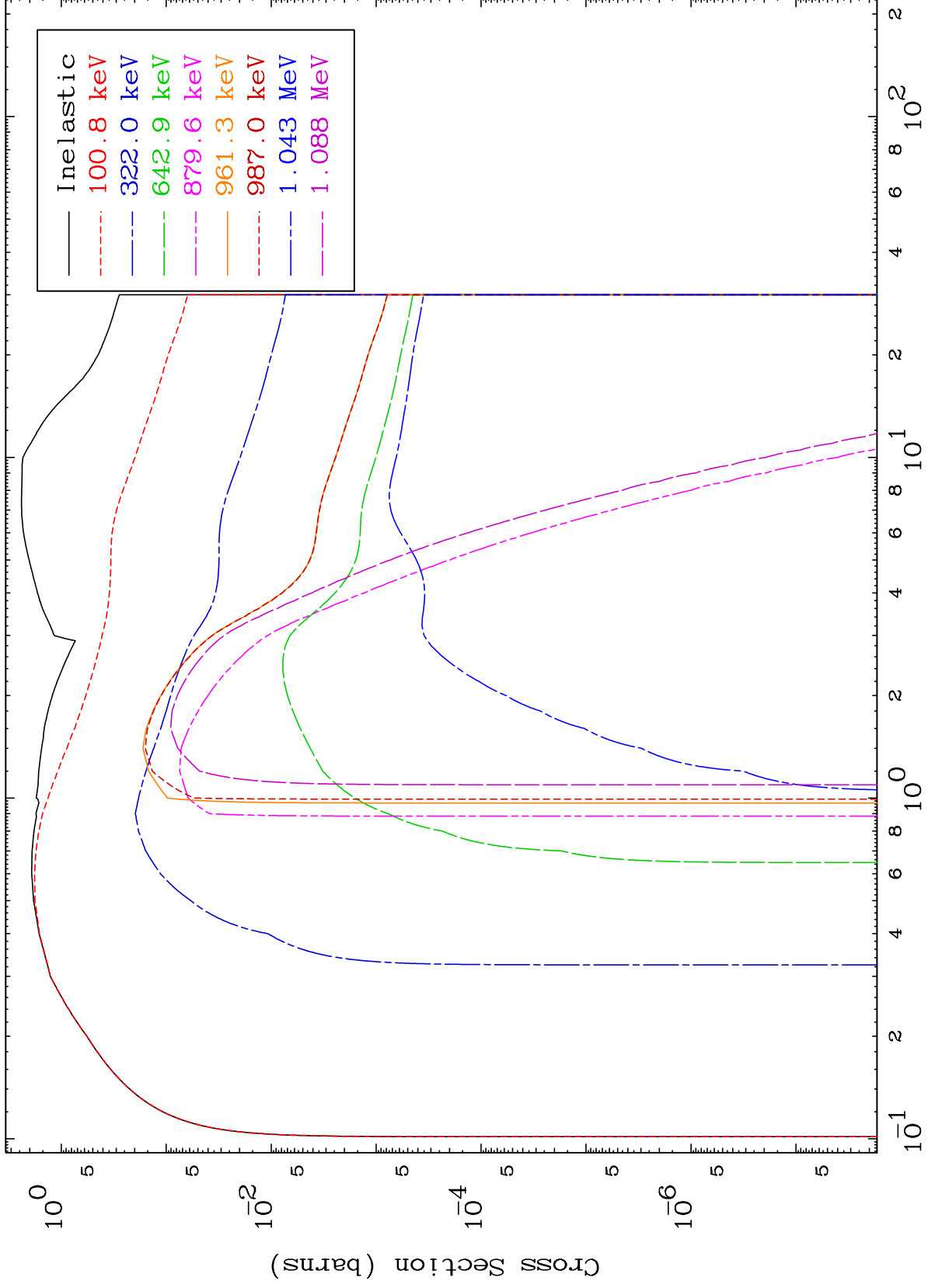
72-Hf-170



MAT 7213

(n,n') Level  
293 Kelvin Cross Sections

72-Hf-170



Incident Energy (MeV)

72-Hf-170

7

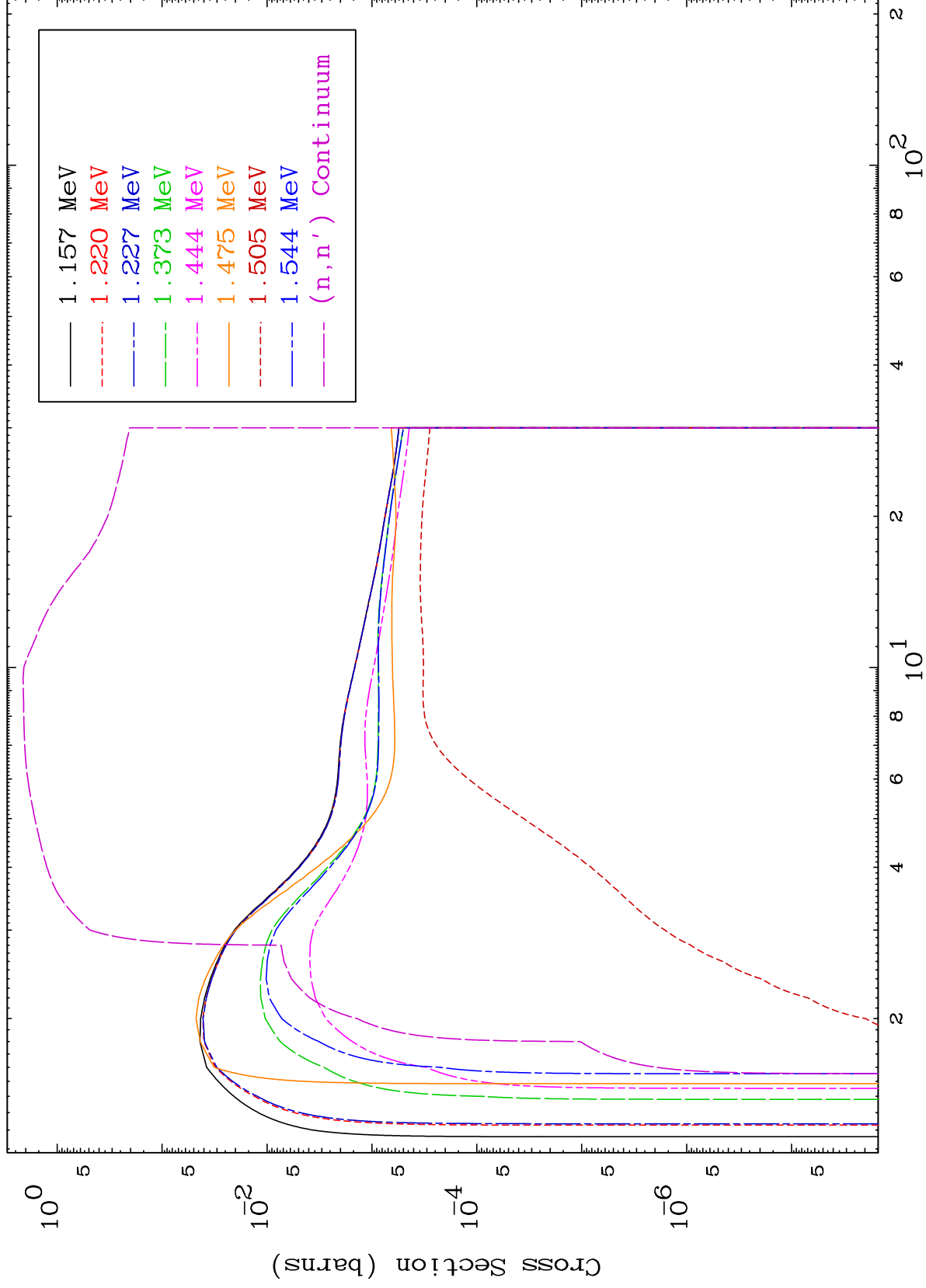


MAT 7213

(n,n') Level

72-Hf-170

293 Kelvin Cross Sections



8

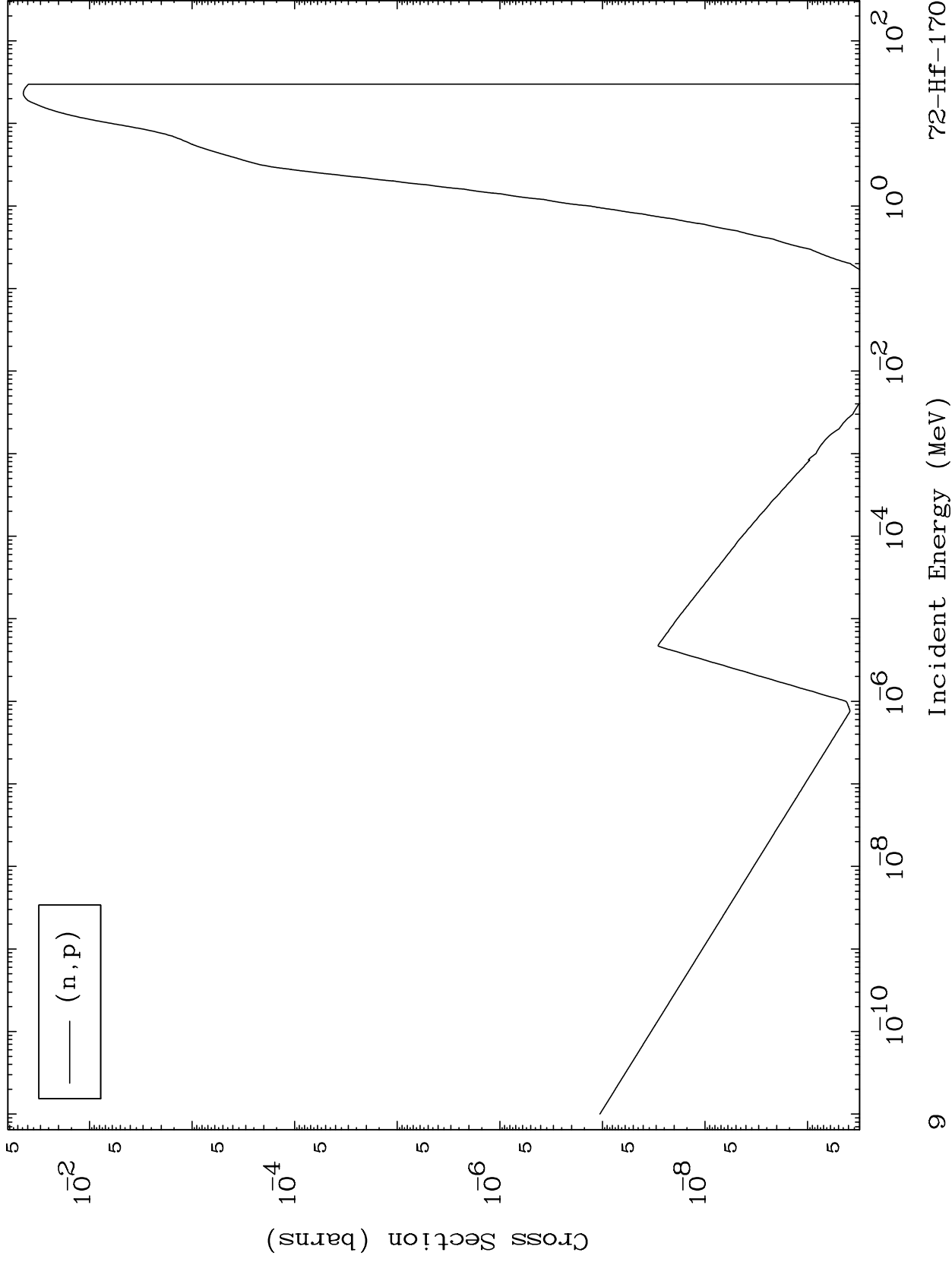
Incident Energy (MeV)

72-Hf-170

MAT 7213

(n,p) Levels  
293 Kelvin Cross Sections

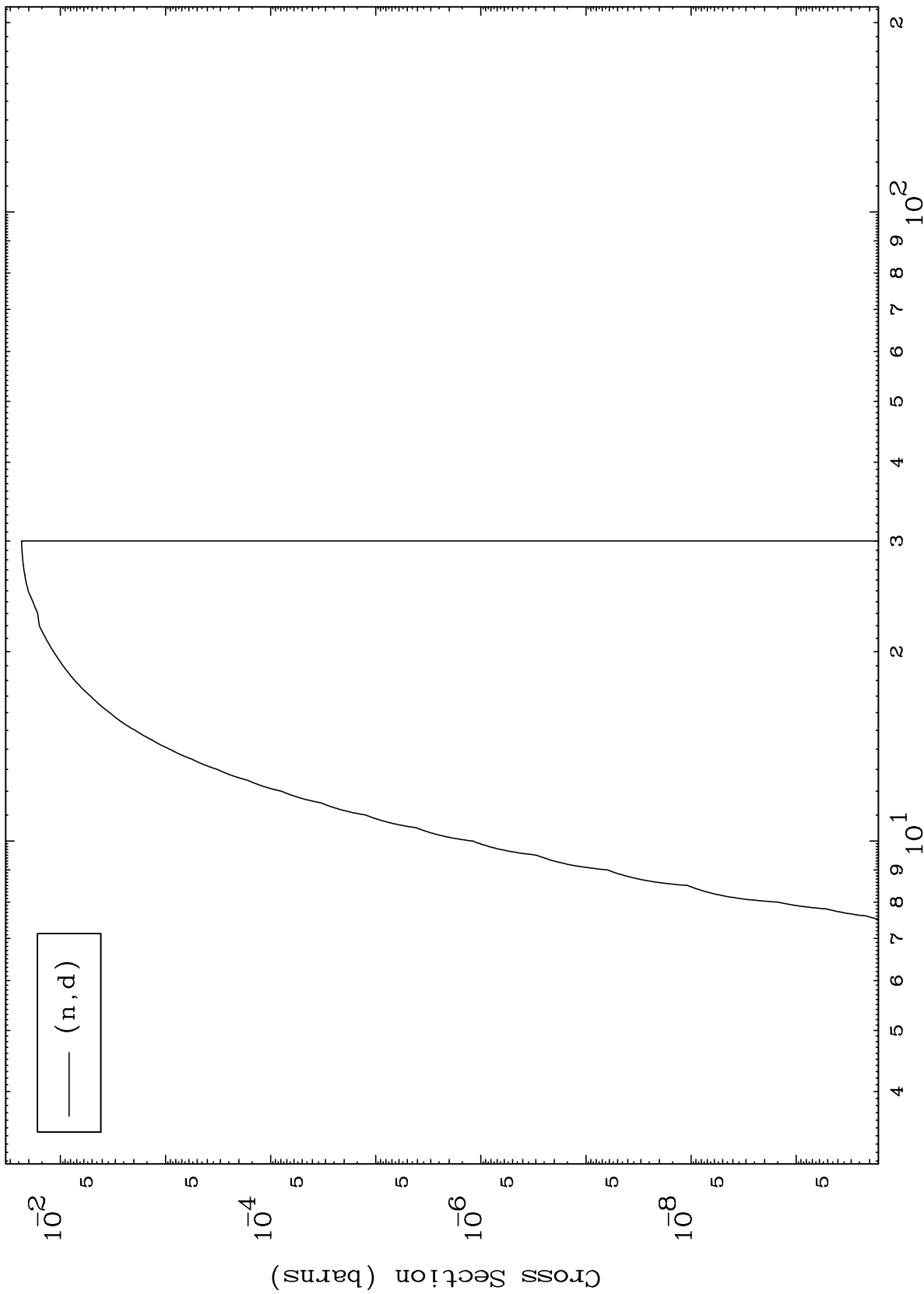
72-Hf-170



MAT 7213

(n,d) Levels  
293 Kelvin Cross Sections

72-Hf-170



(n,d)

72-Hf-170

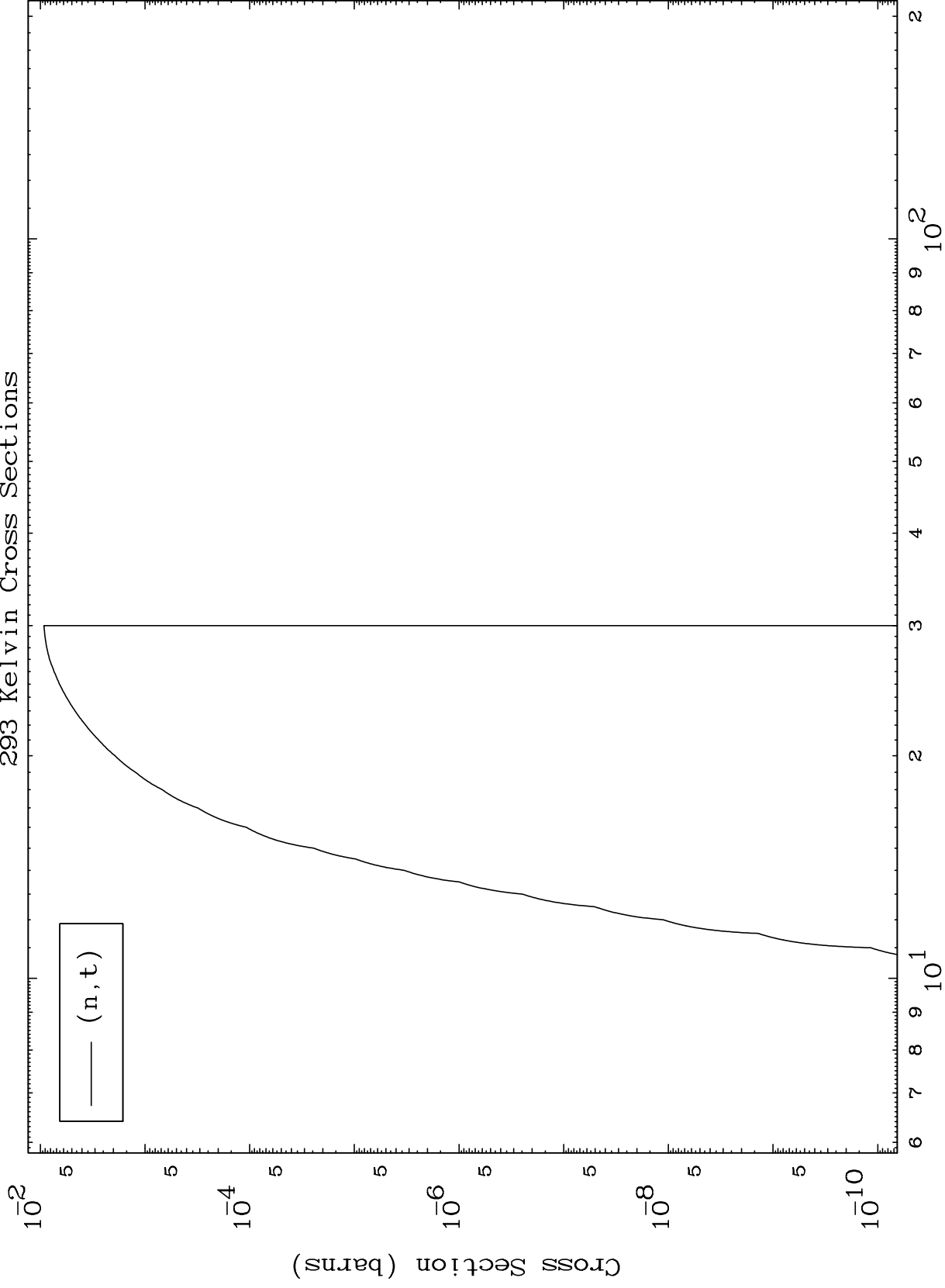
Incident Energy (MeV)

10

MAT 7213

(n,t) Levels  
293 Kelvin Cross Sections

72-Hf-170



11

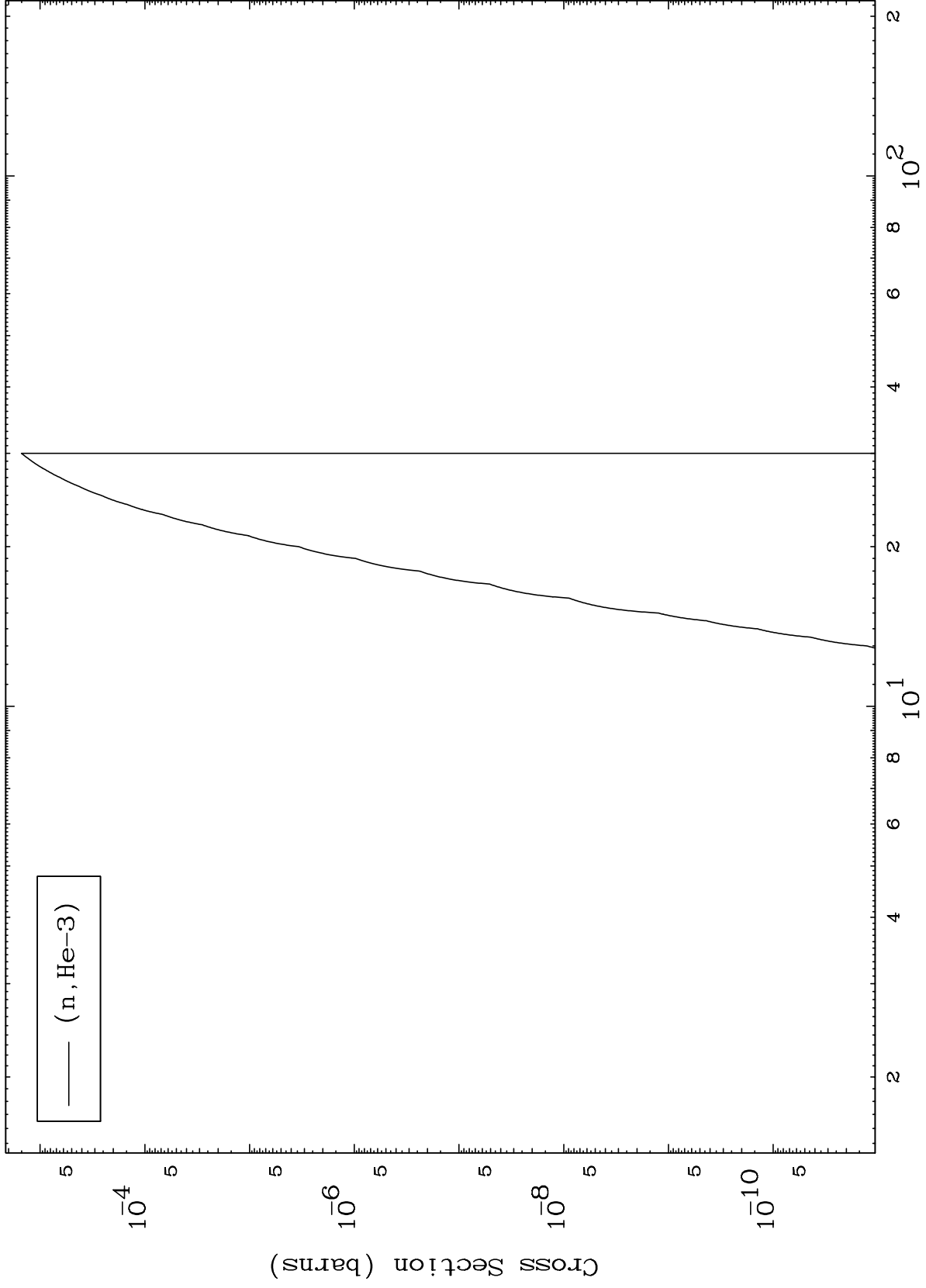
Incident Energy (MeV)

72-Hf-170

MAT 7213

(n,He3) Levels  
293 Kelvin Cross Sections

72-Hf-170



12

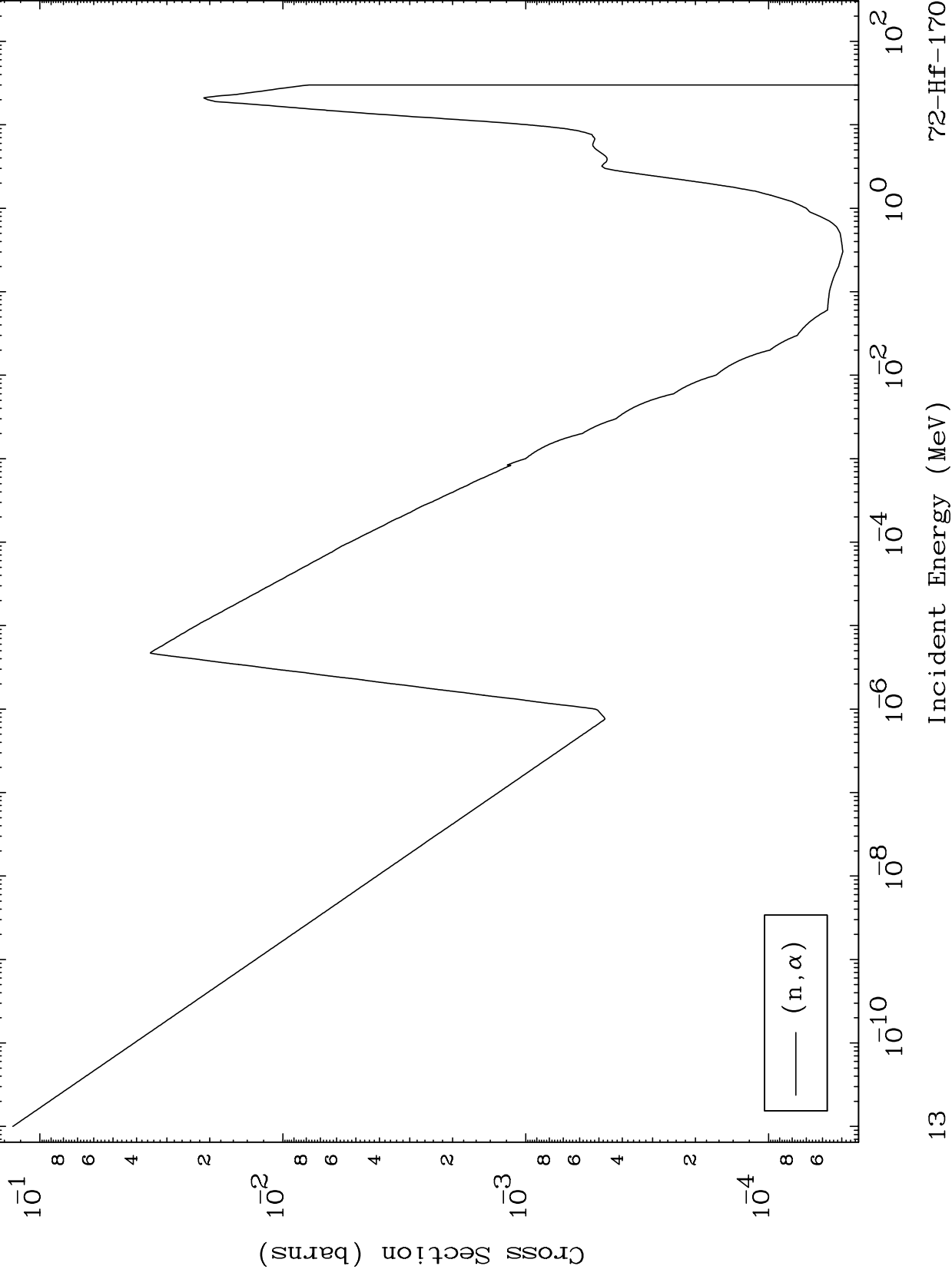
Incident Energy (MeV)

72-Hf-170

MAT 7213

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

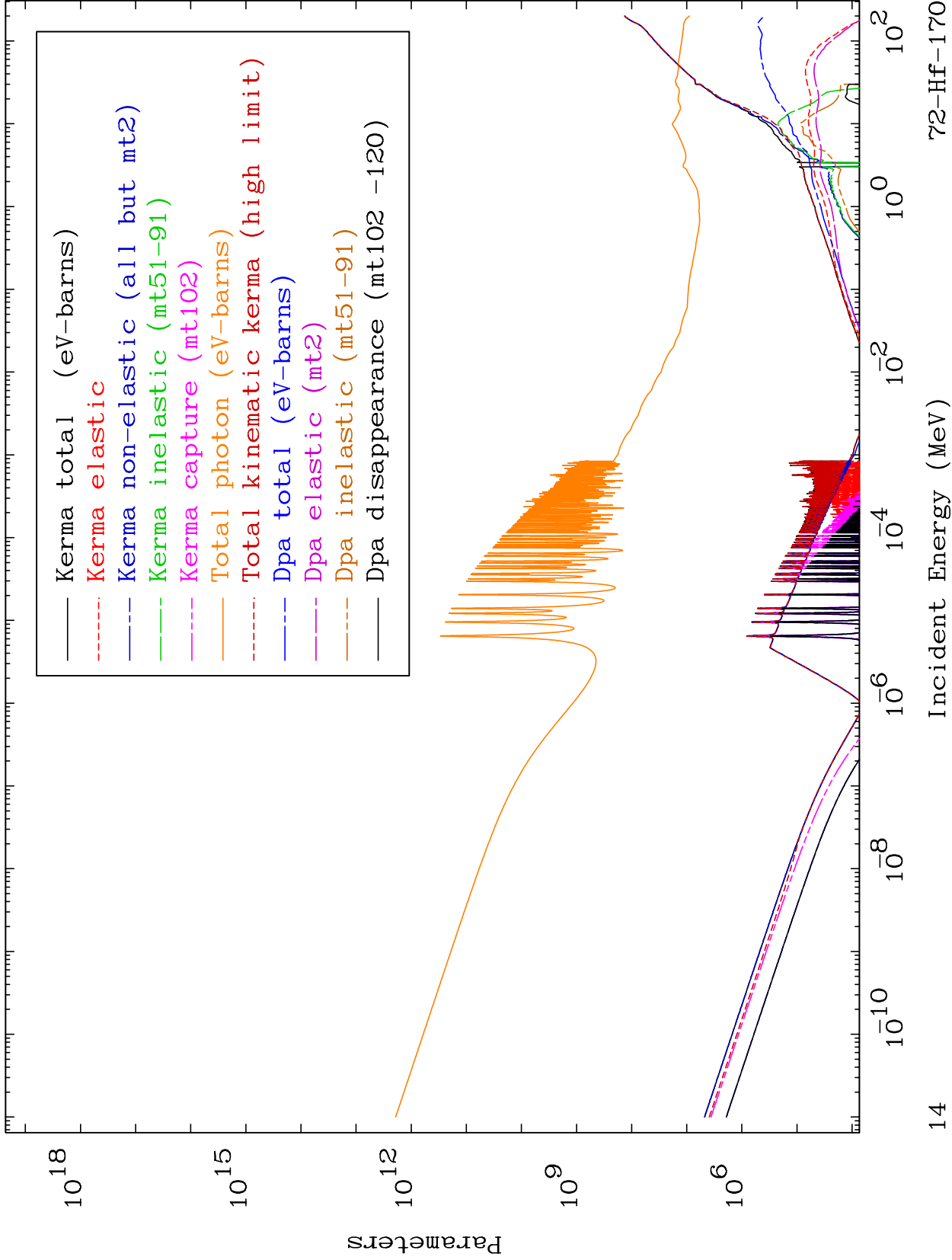
72-Hf-170



13

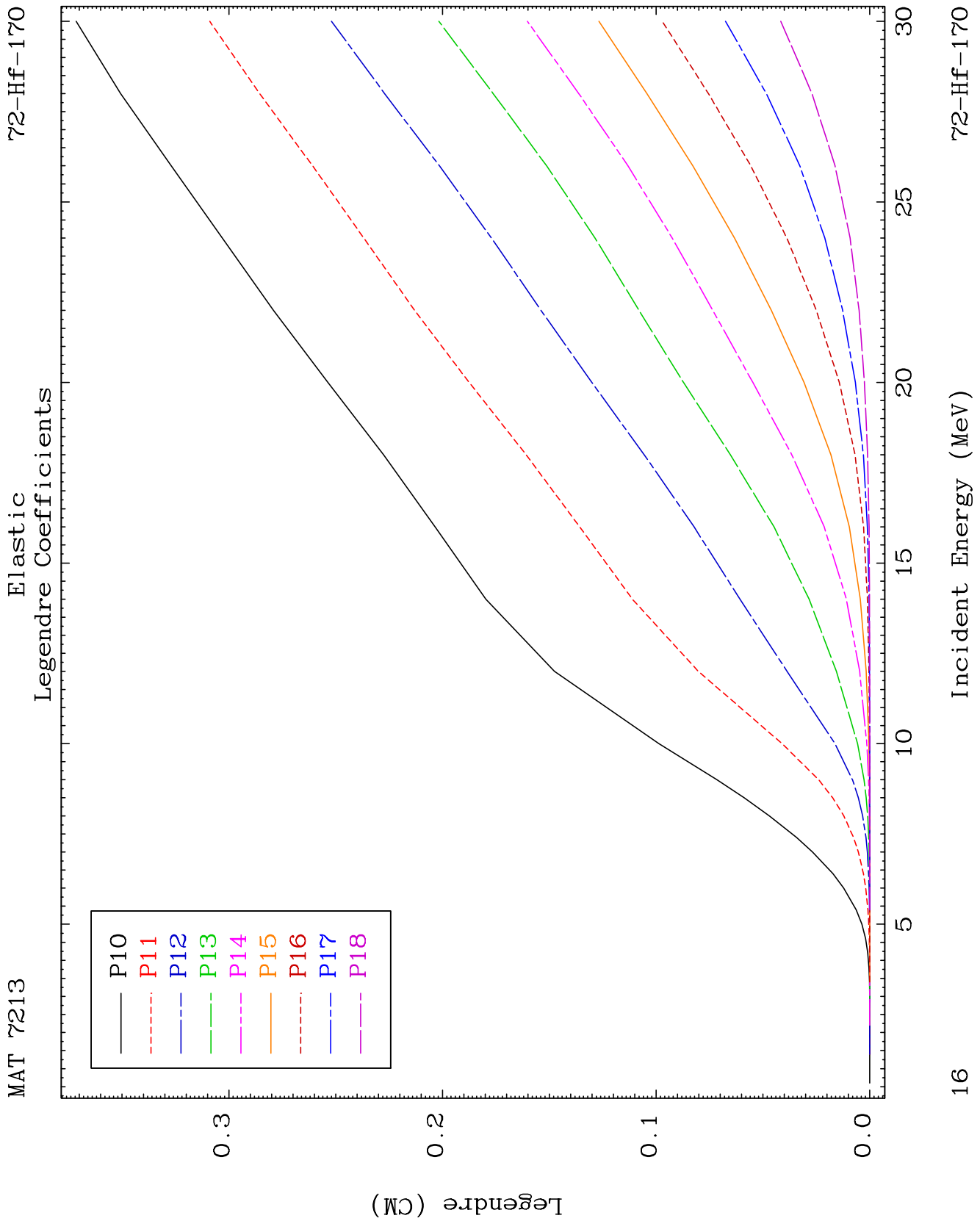
Incident Energy (MeV)

72-Hf-170





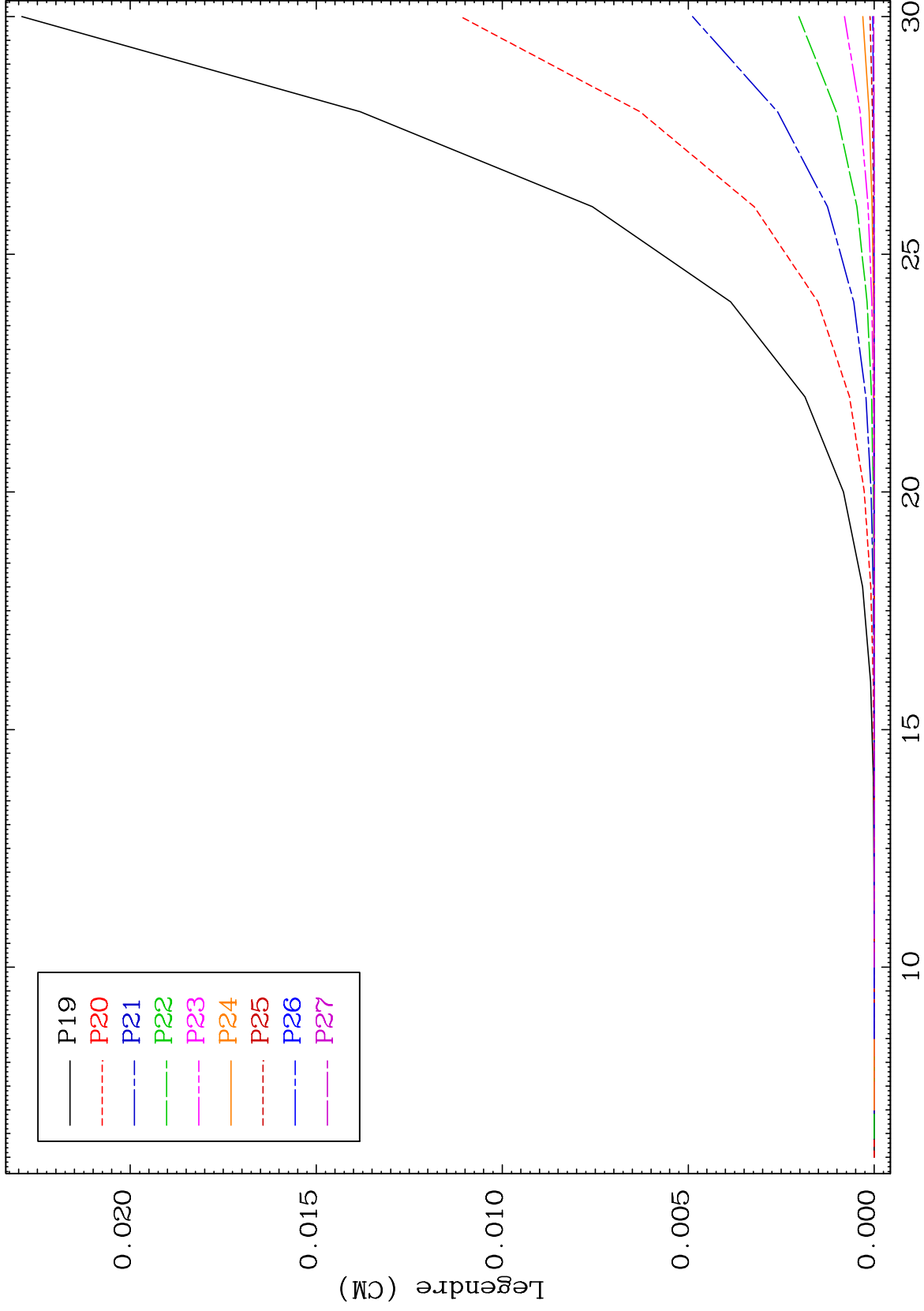




MAT 7213

Elastic  
Legendre Coefficients

72-Hf-170



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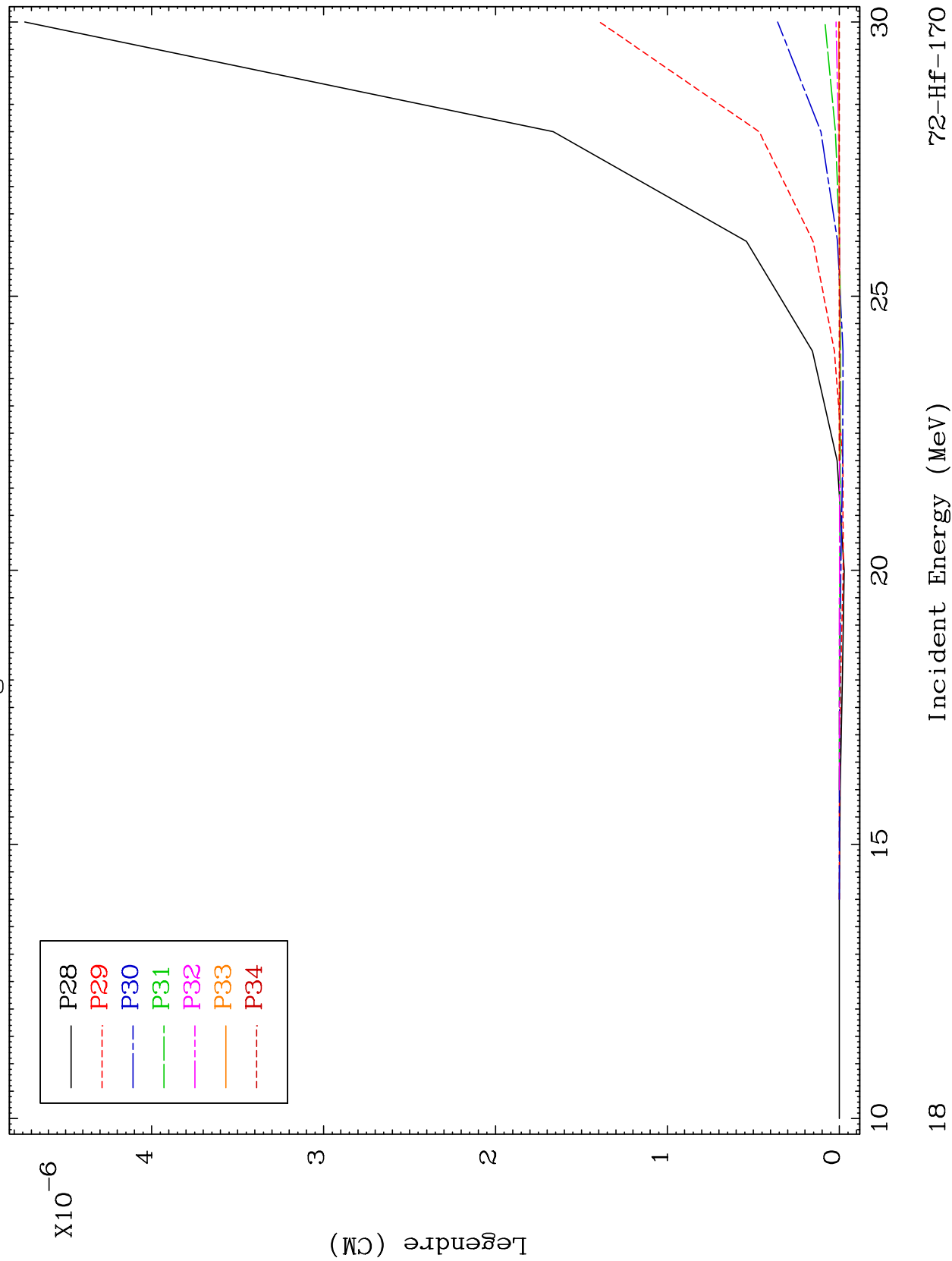
Incident Energy (MeV)

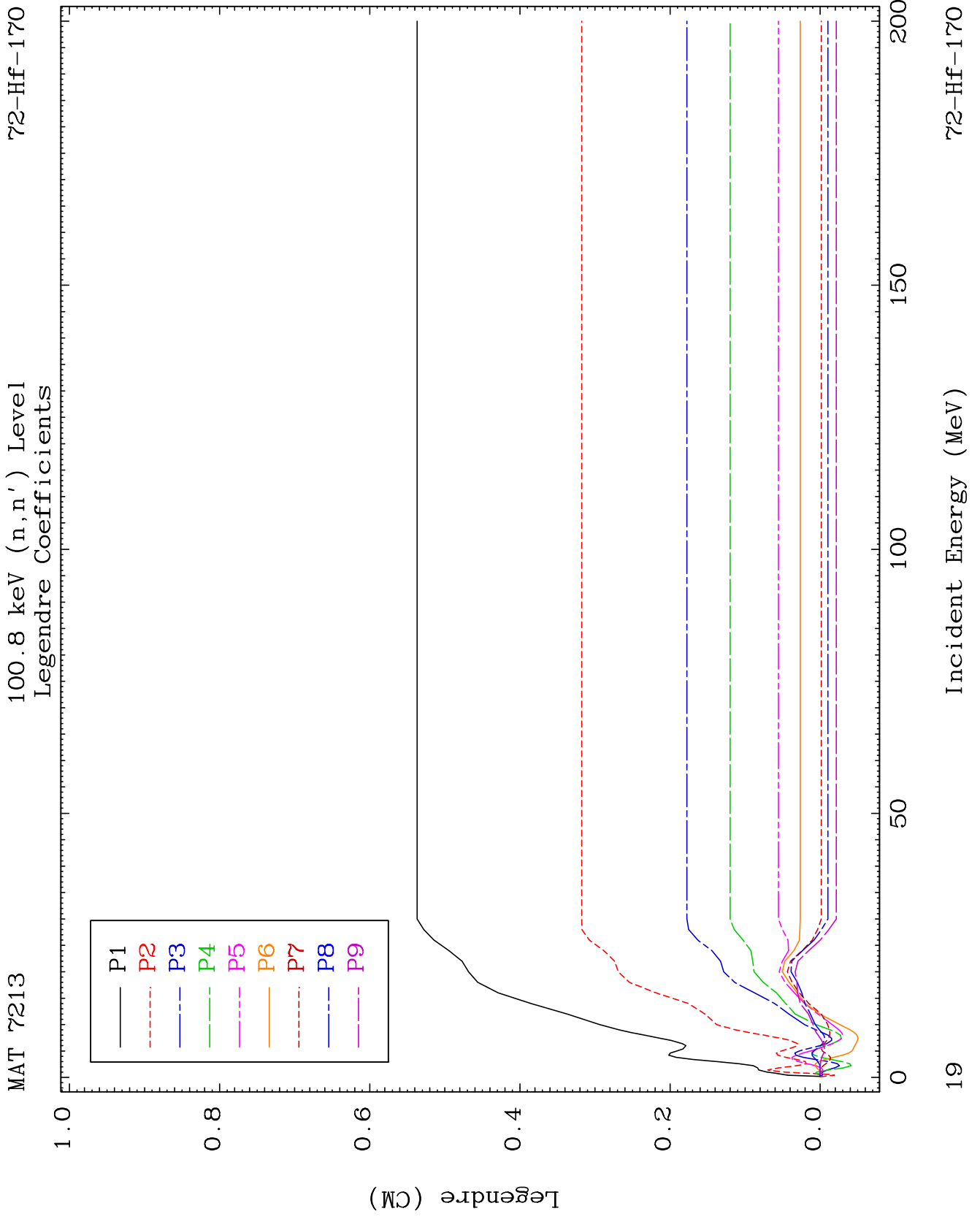
72-Hf-170

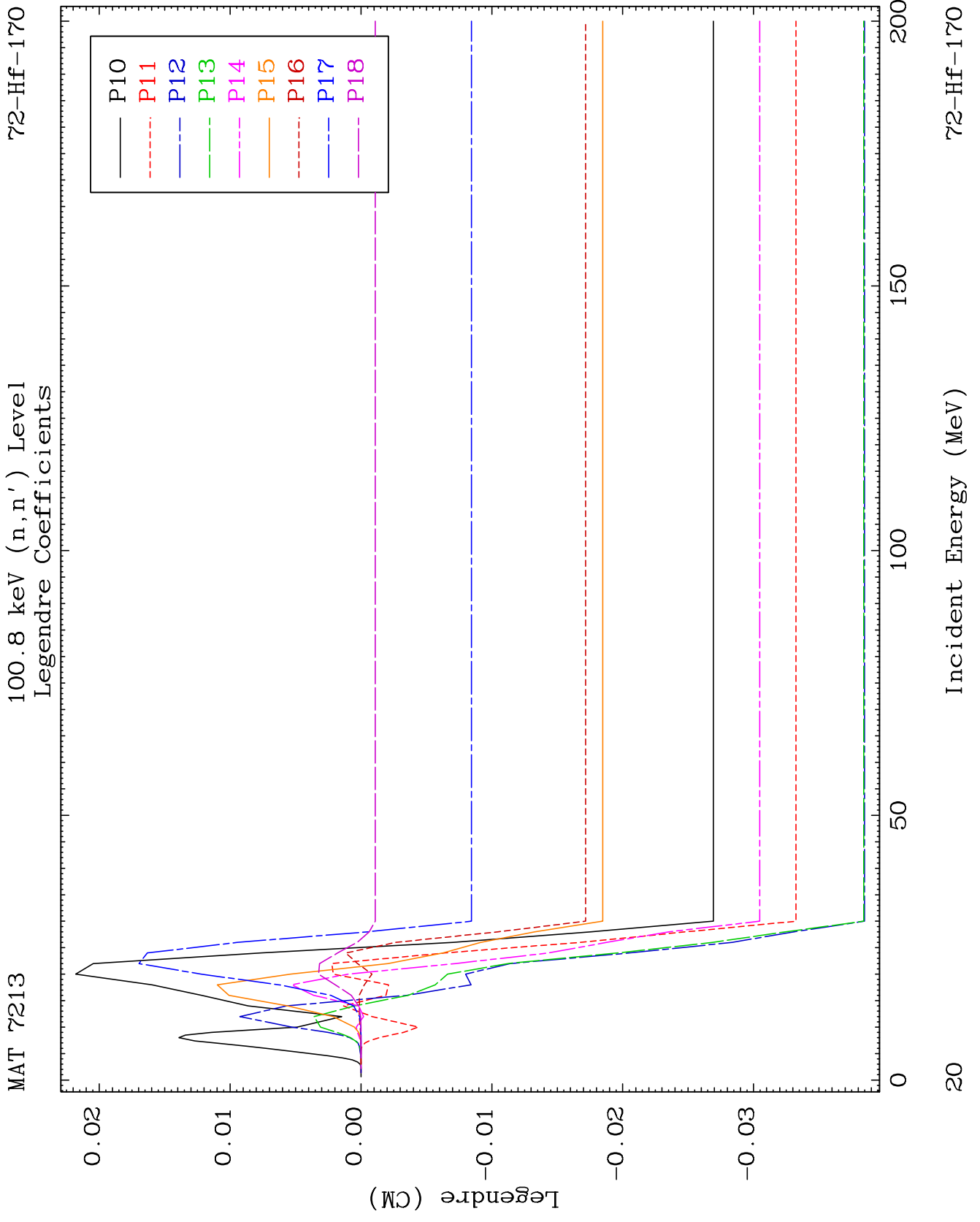
MAT 7213

Elastic Legendre Coefficients

72-Hf-170



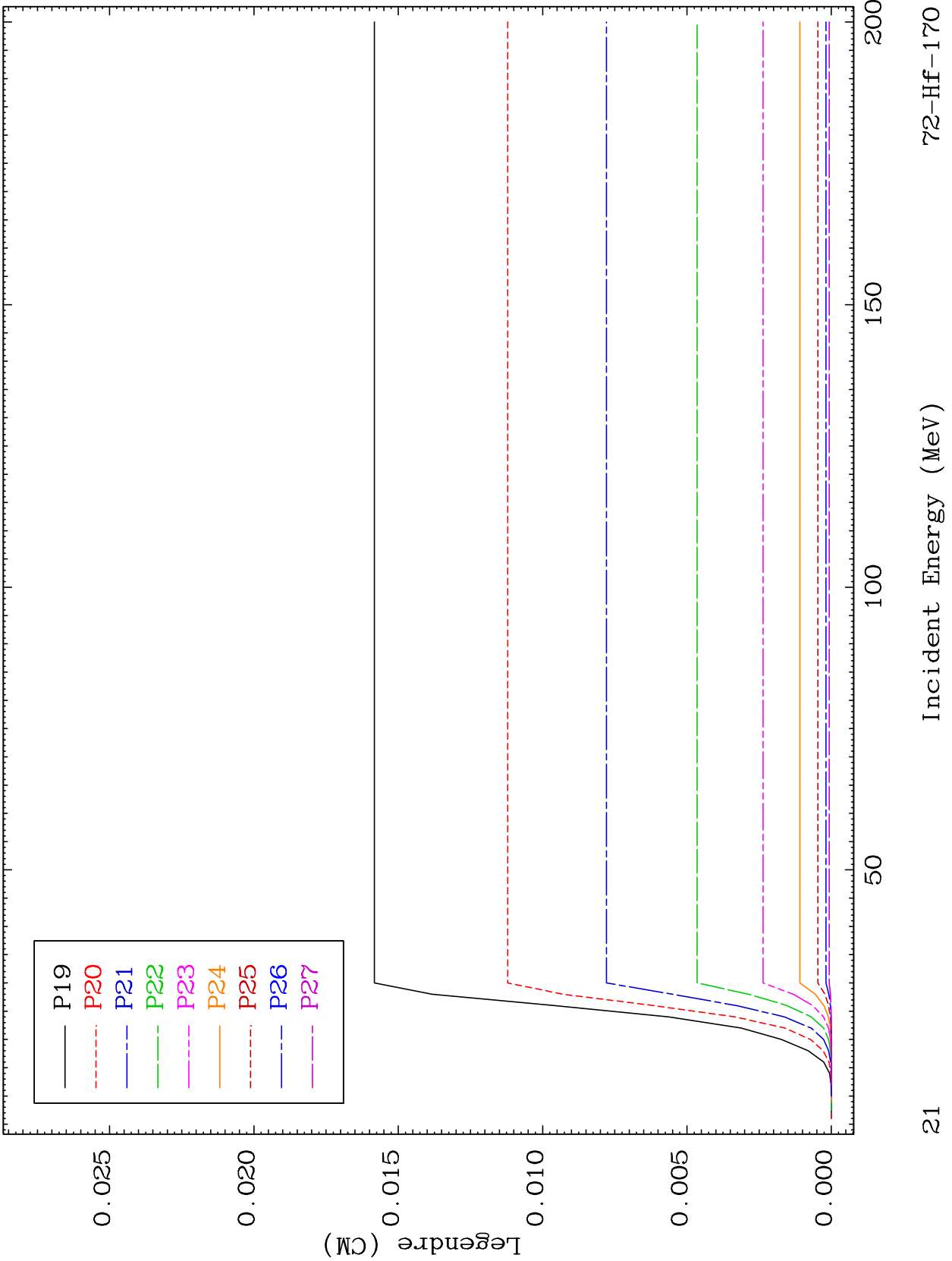


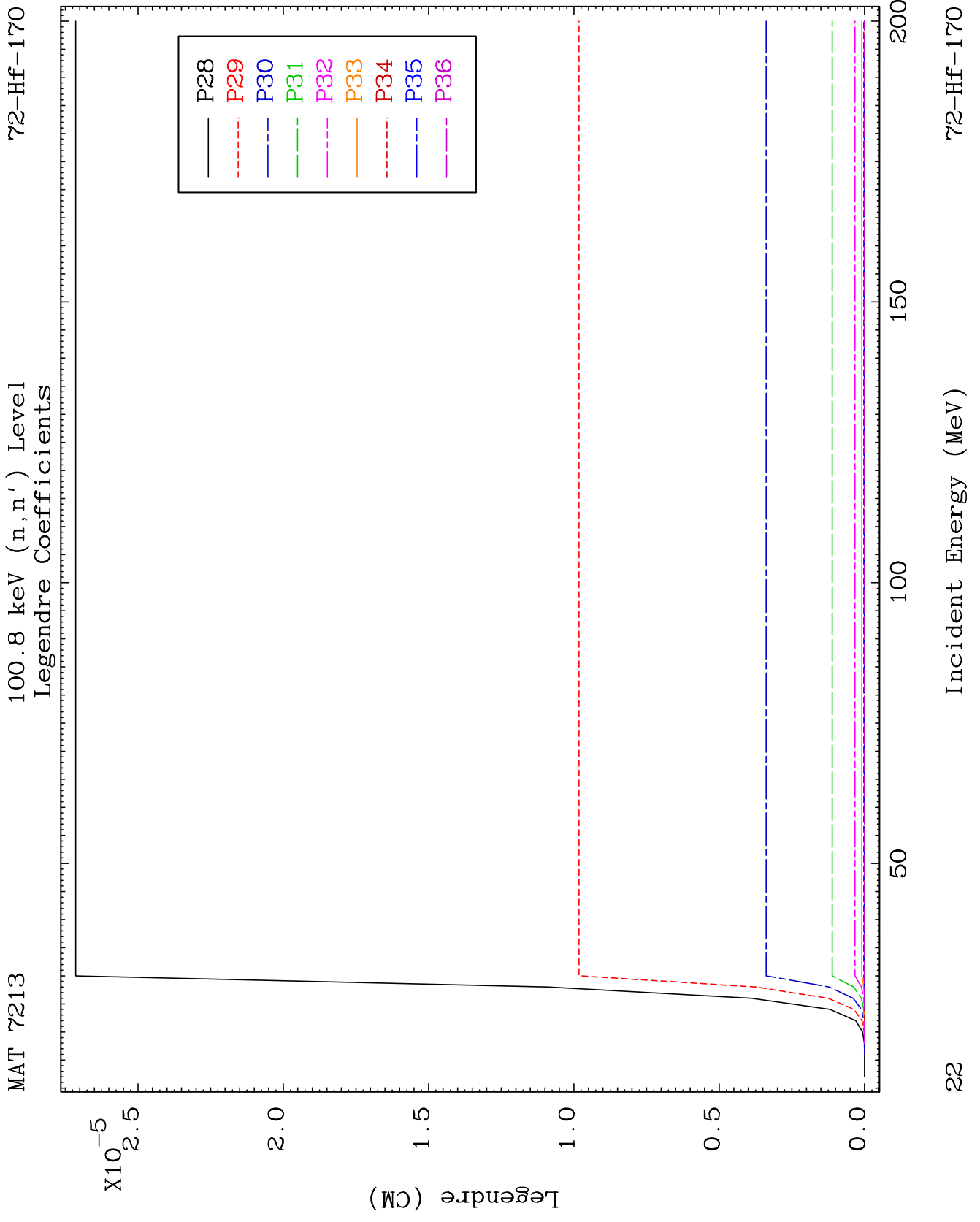


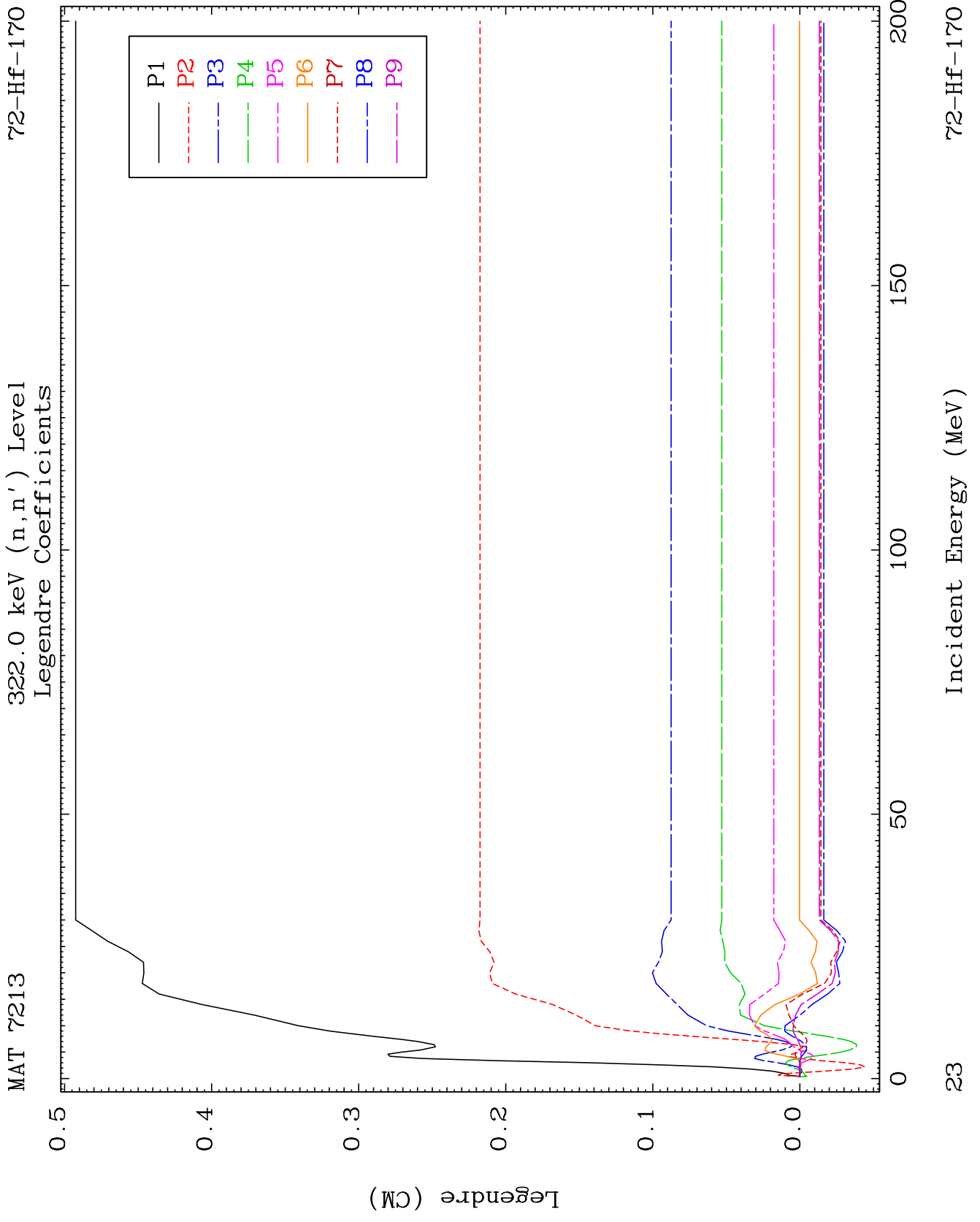
MAT 7213

100.8 keV (n,n') Level Legendre Coefficients

72-Hf-170





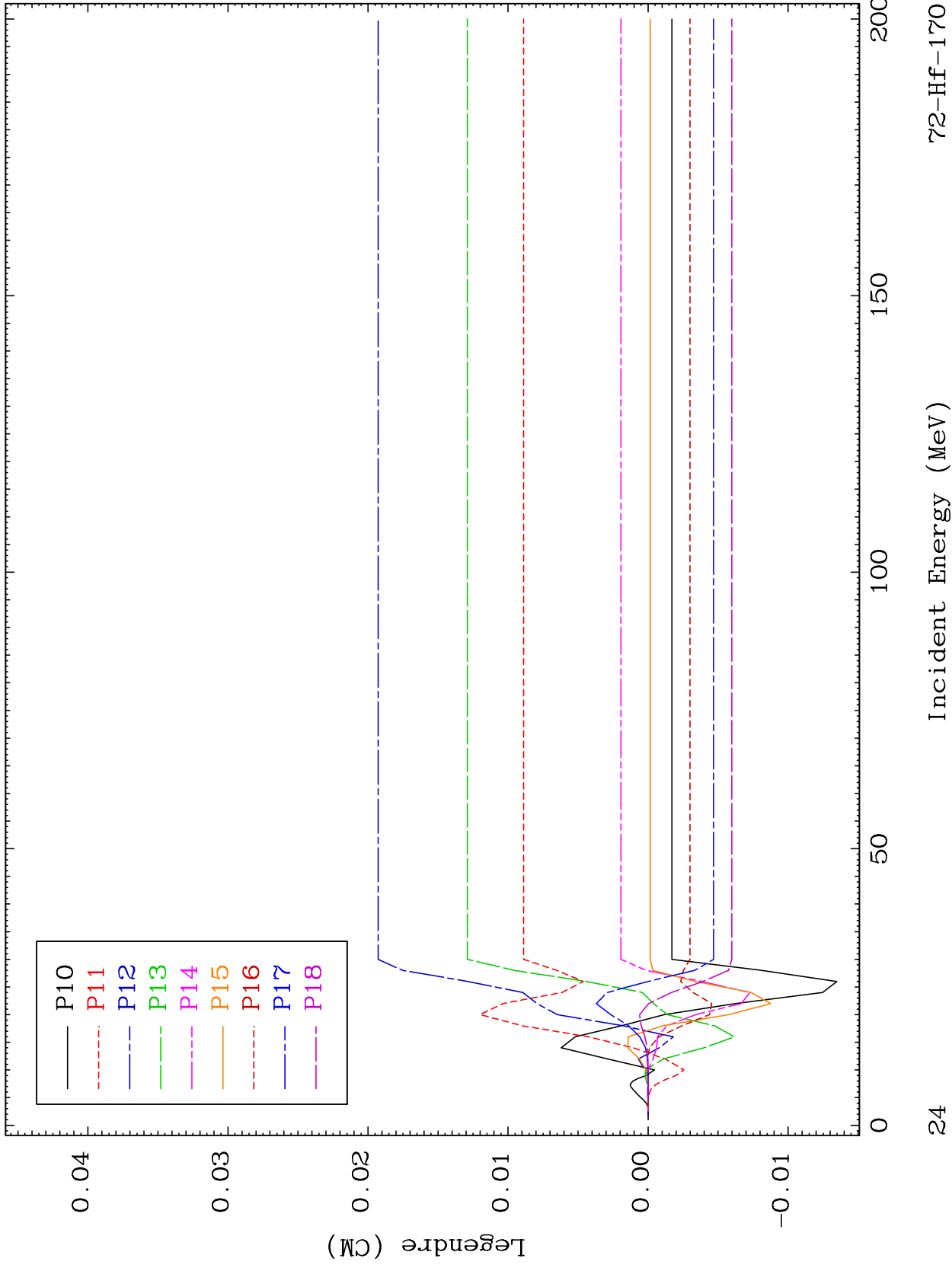




MAT 7213

322.0 keV (n,n') Level  
Legendre Coefficients

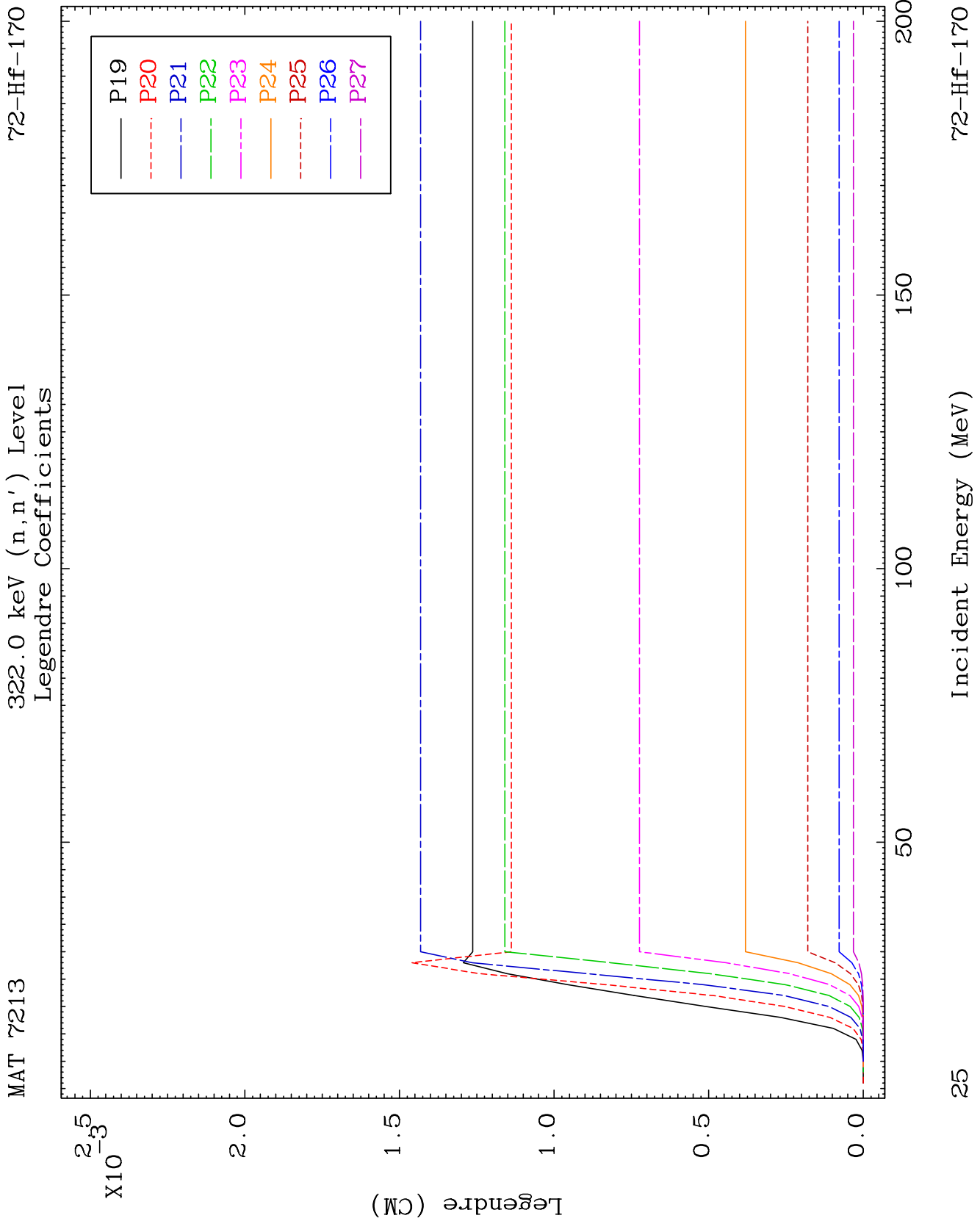
72-Hf-170



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Incident Energy (MeV)

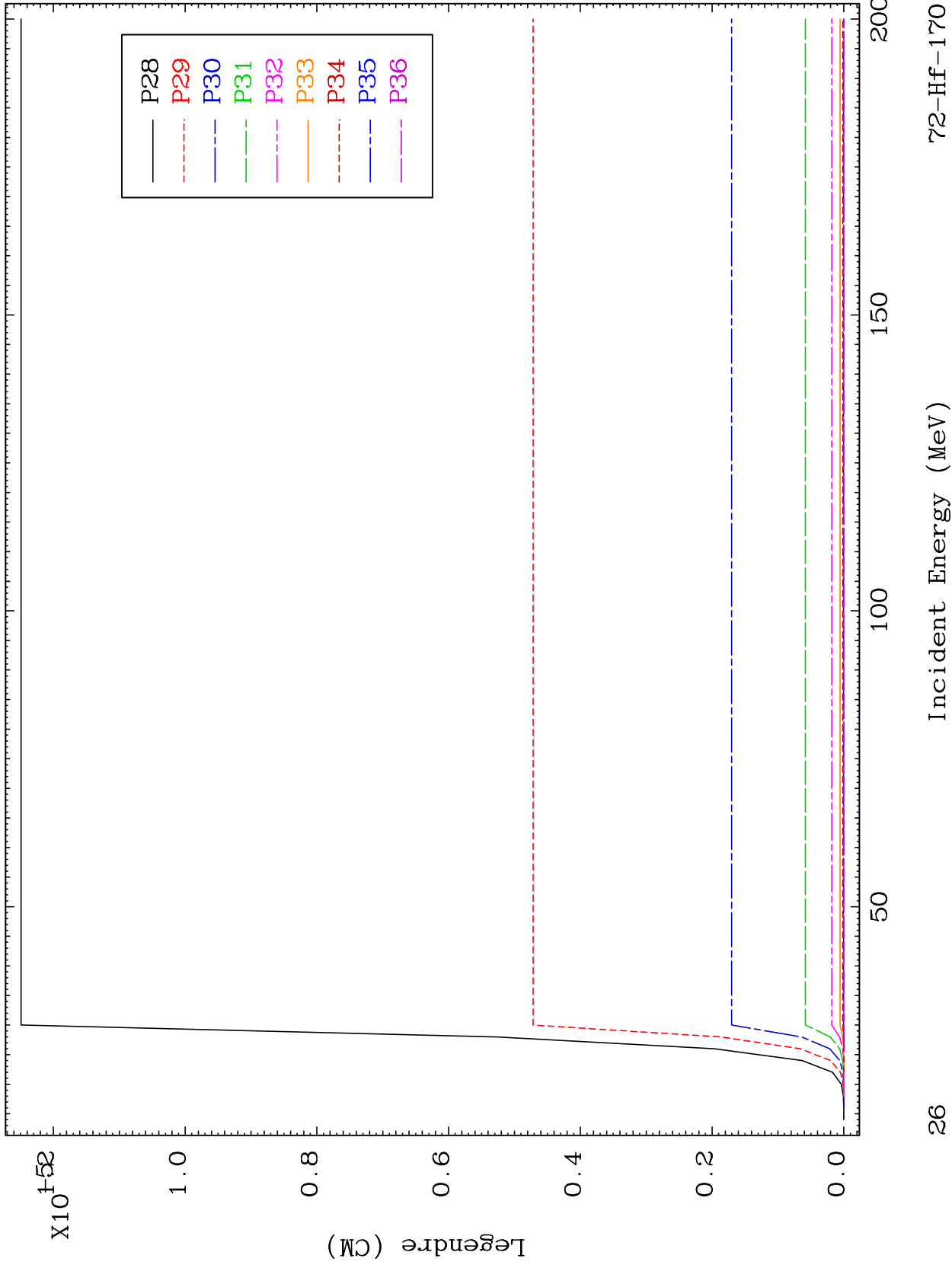
72-Hf-170



MAT 7213

322.0 keV (n,n') Level  
Legendre Coefficients

72-Hf-170

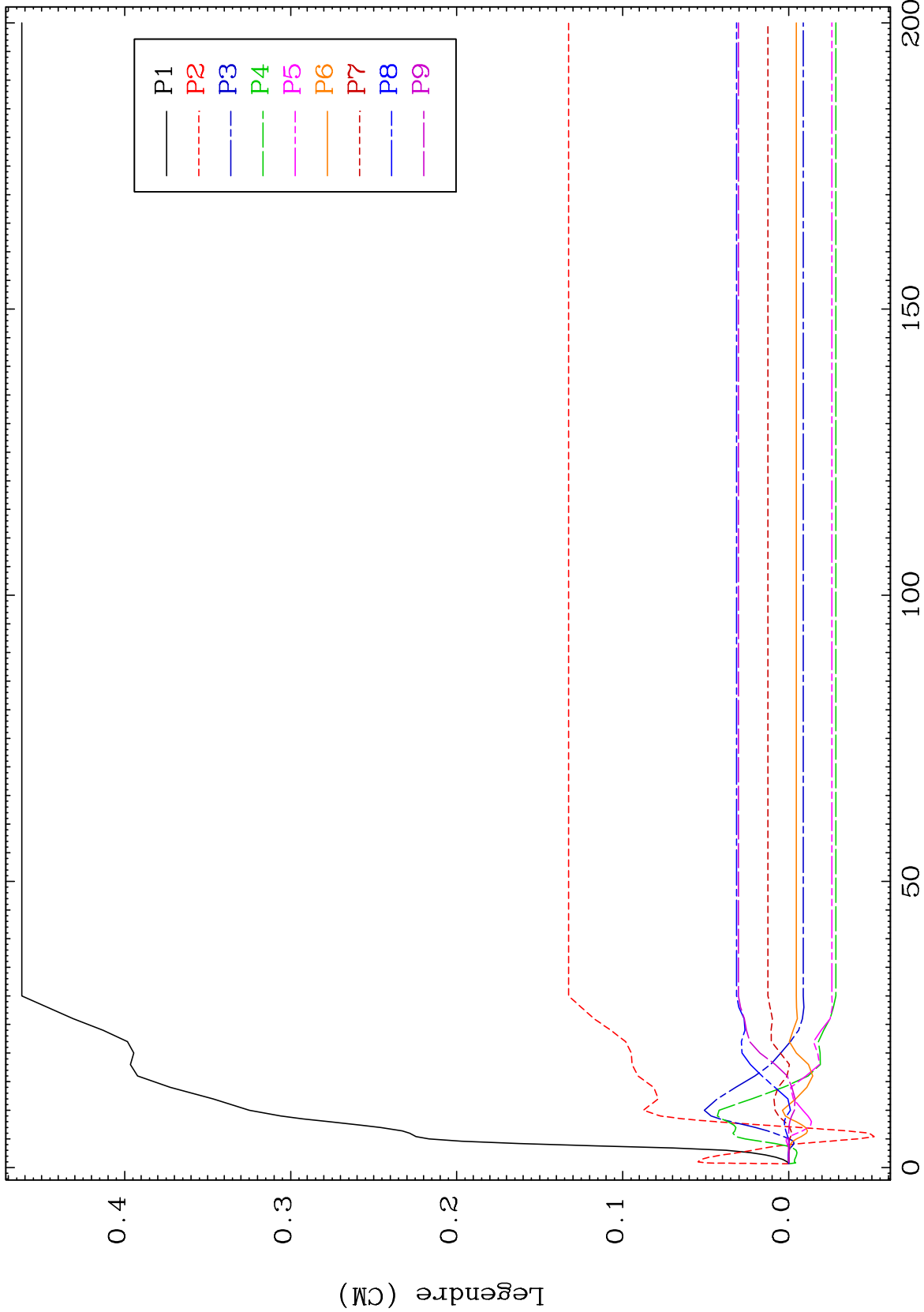


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MAT 7213

642.9 keV (n,n') Level Legendre Coefficients

72-Hf-170



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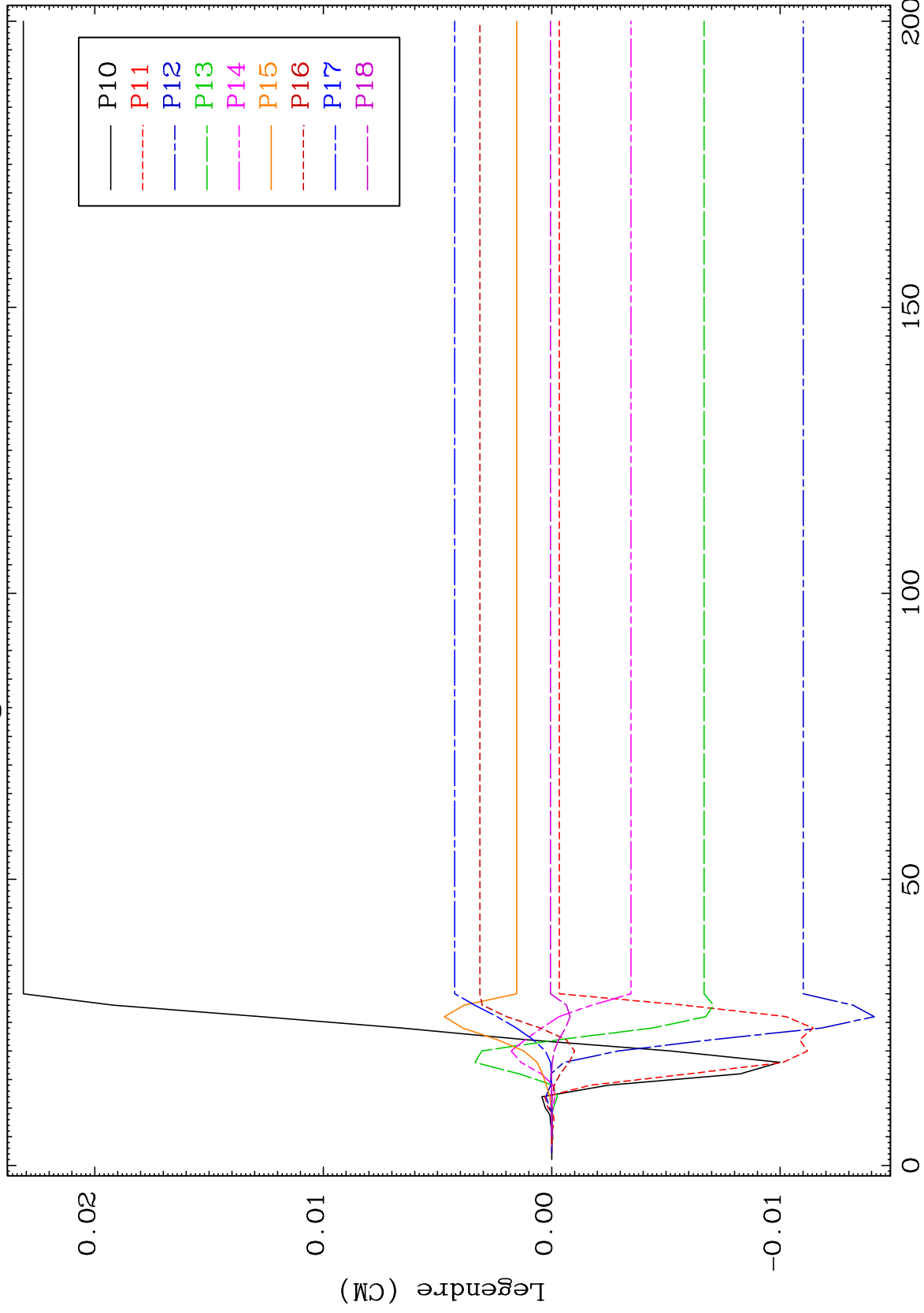
Incident Energy (MeV)

72-Hf-170

MAT 7213

642.9 keV (n,n') Level  
Legendre Coefficients

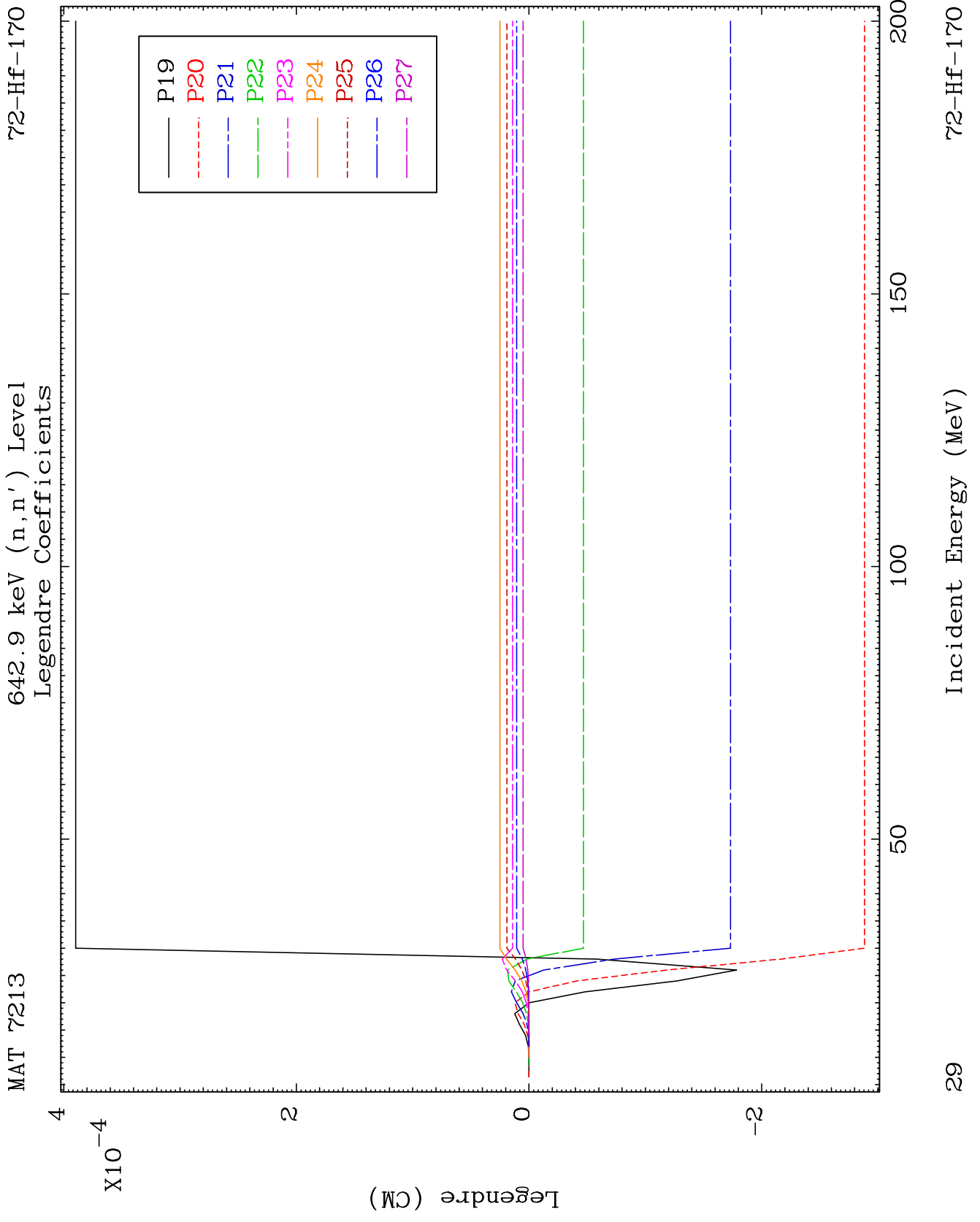
72-Hf-170

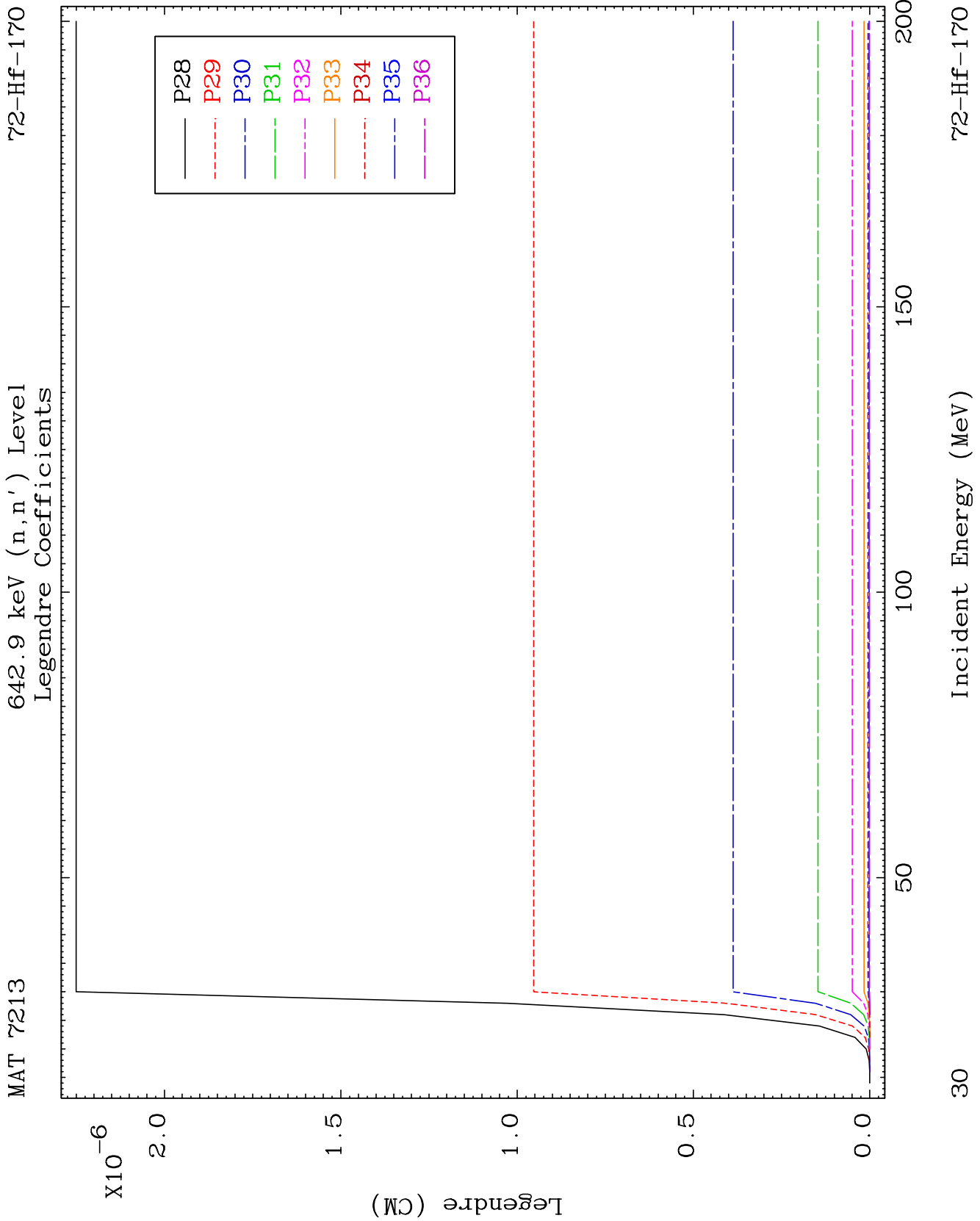


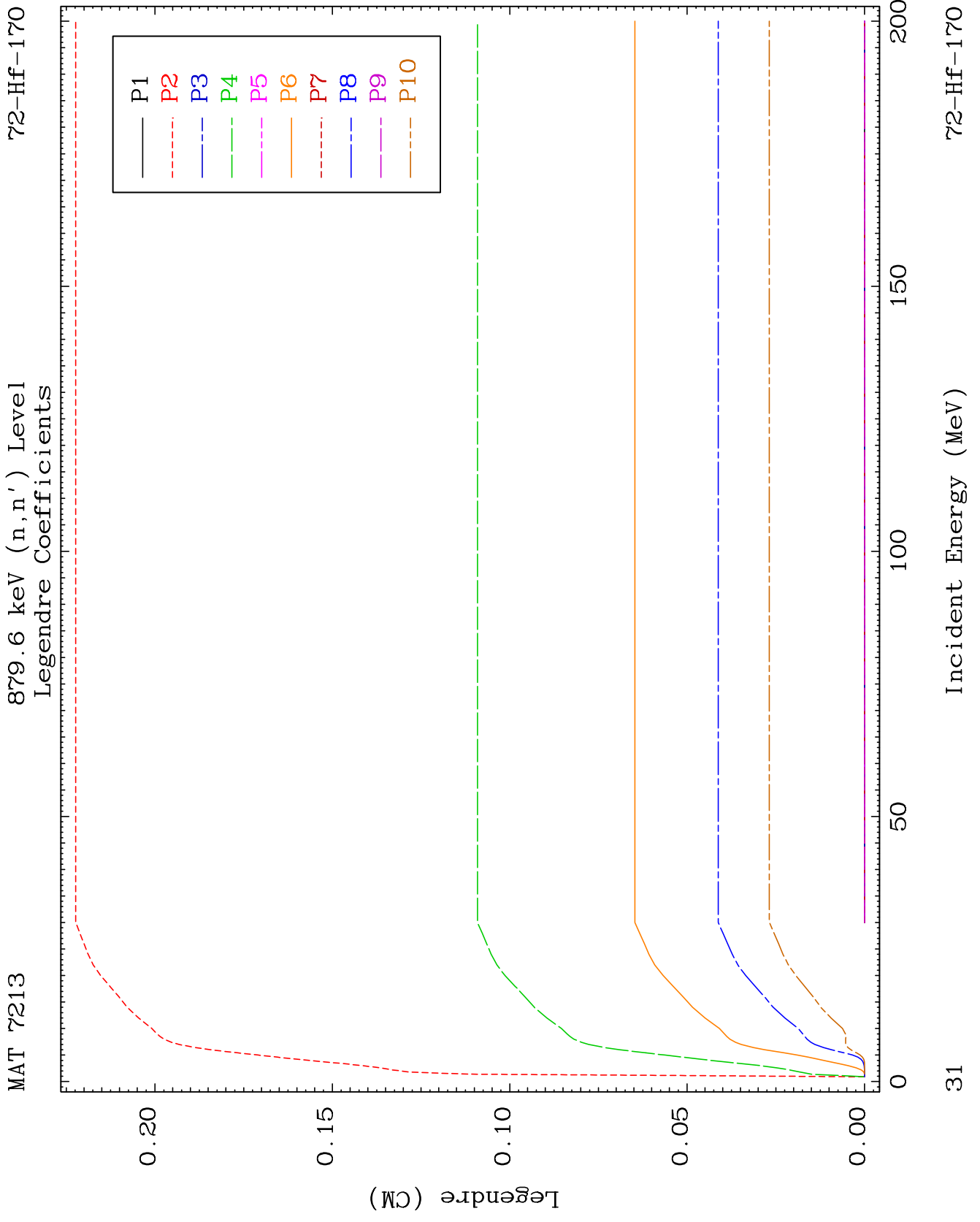
28

Incident Energy (MeV)

72-Hf-170





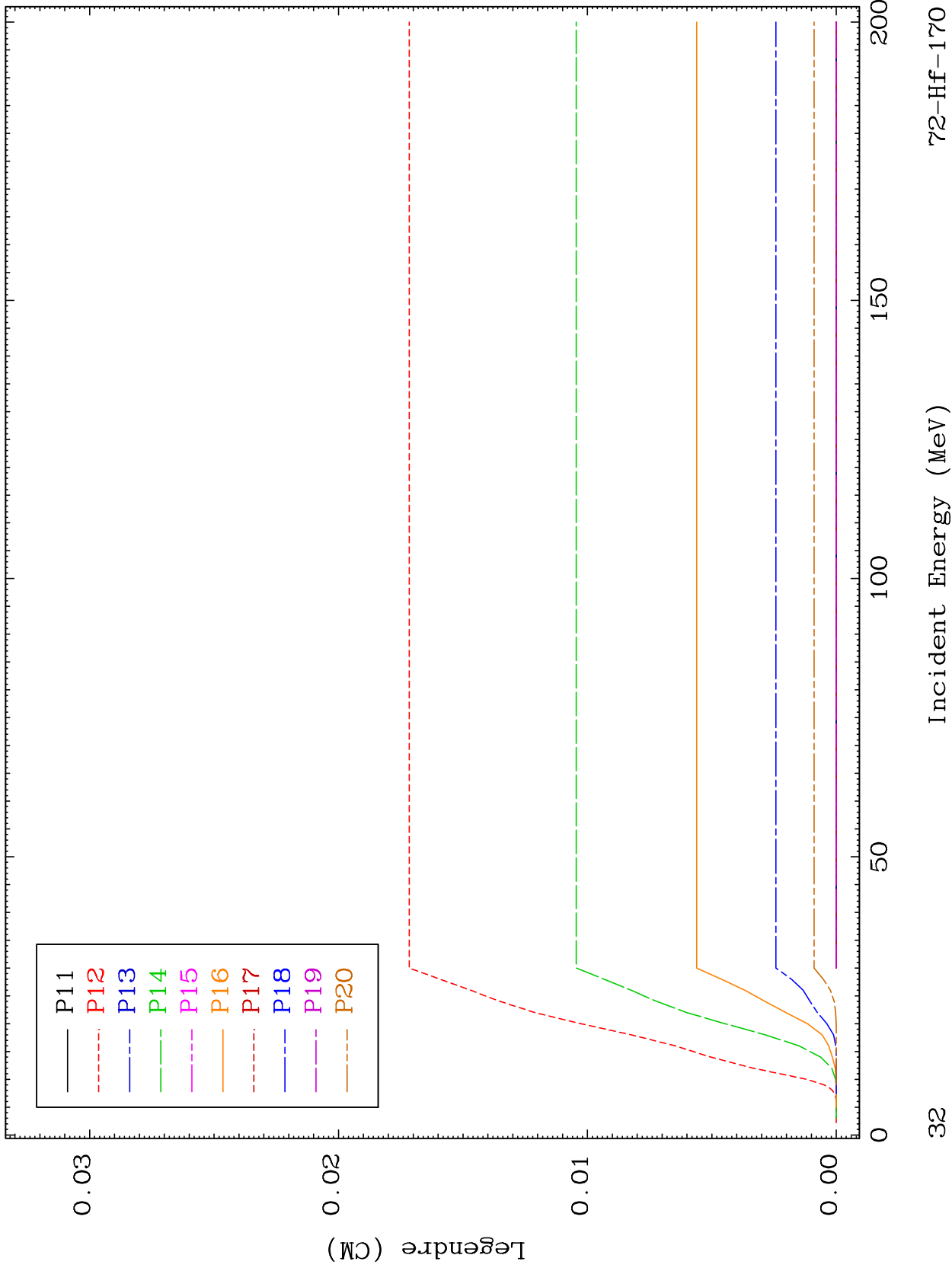




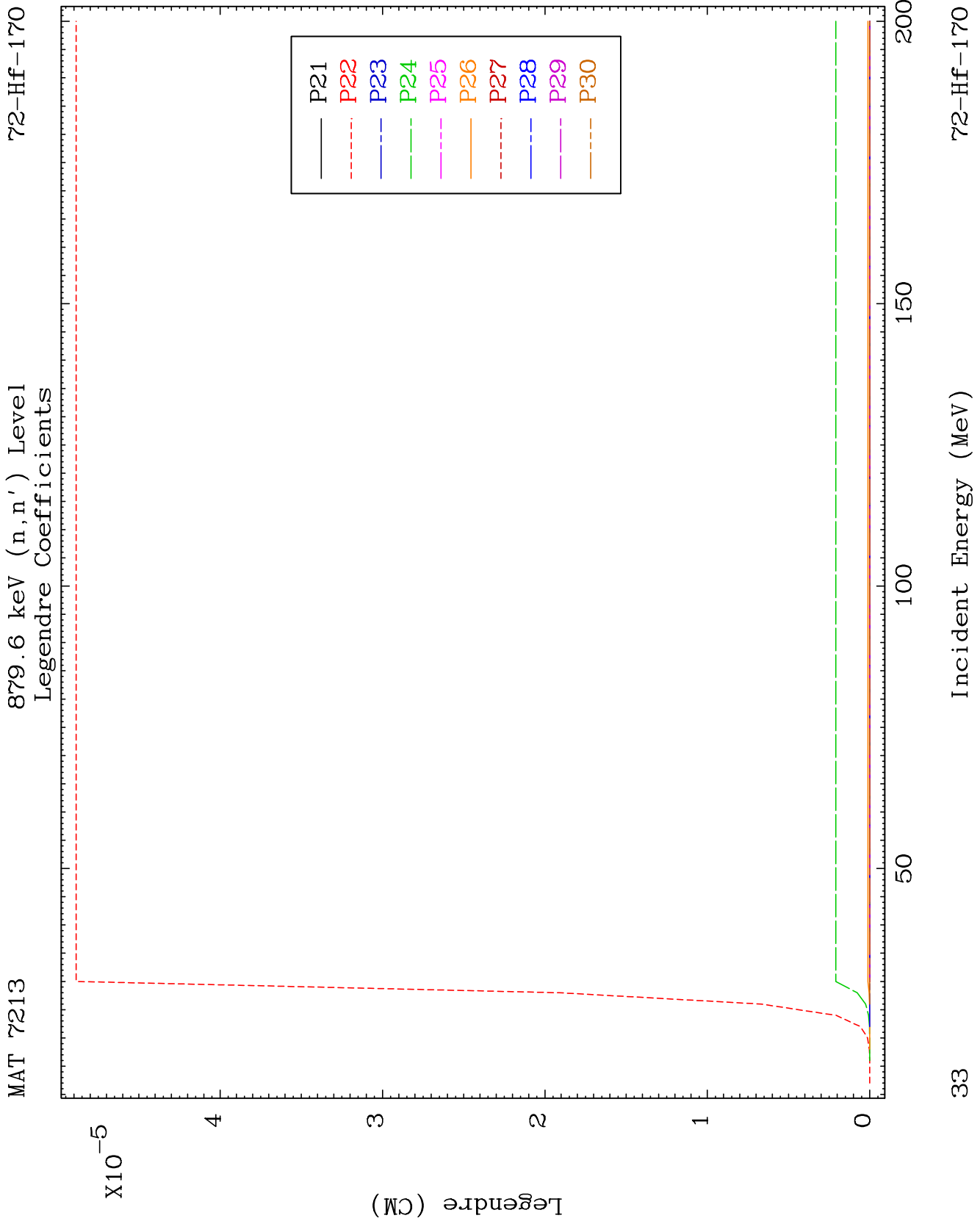
MAT 7213

879.6 keV (n,n') Level  
Legendre Coefficients

72-Hf-170



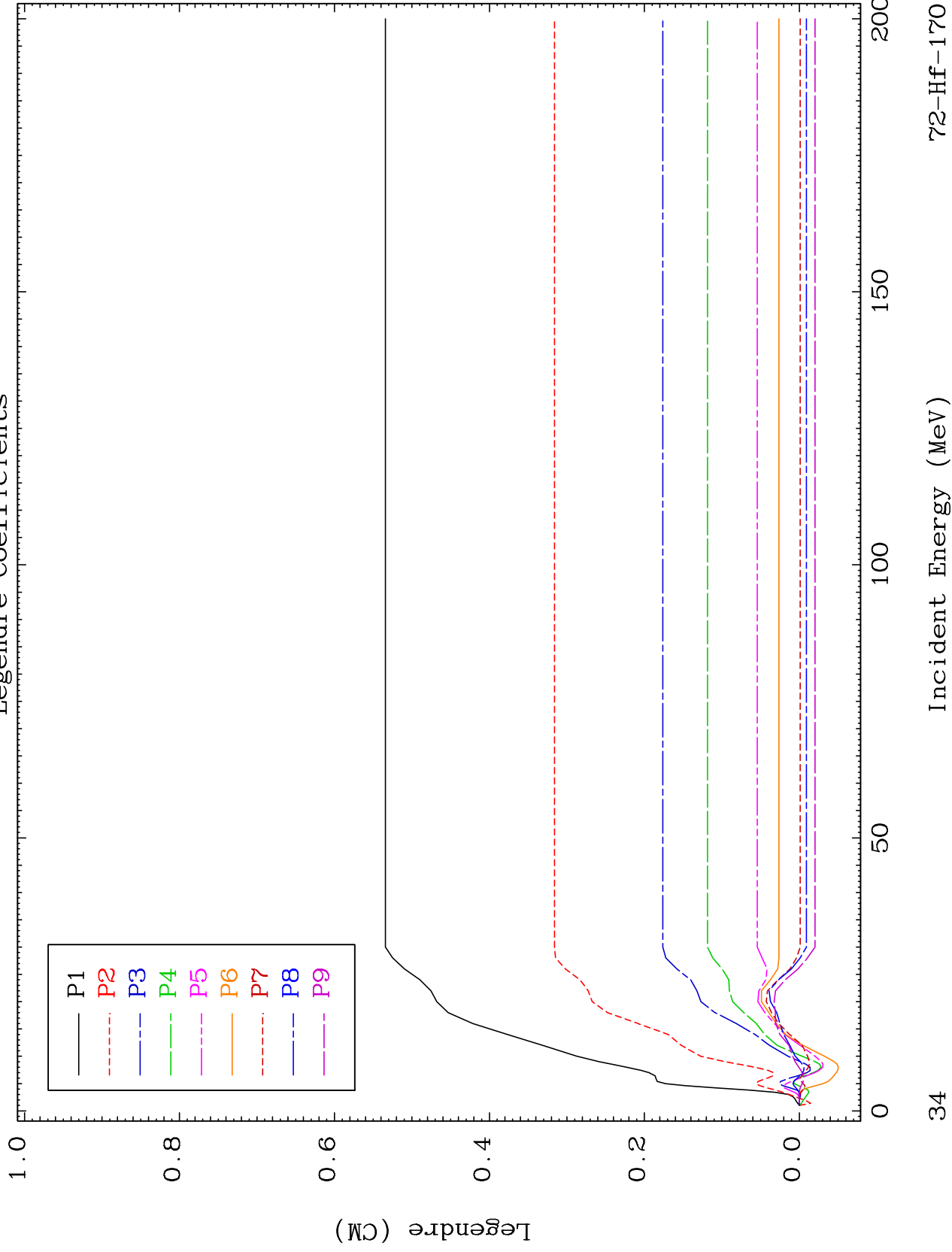
32



MAT 7213

961.3 keV (n,n') Level  
Legendre Coefficients

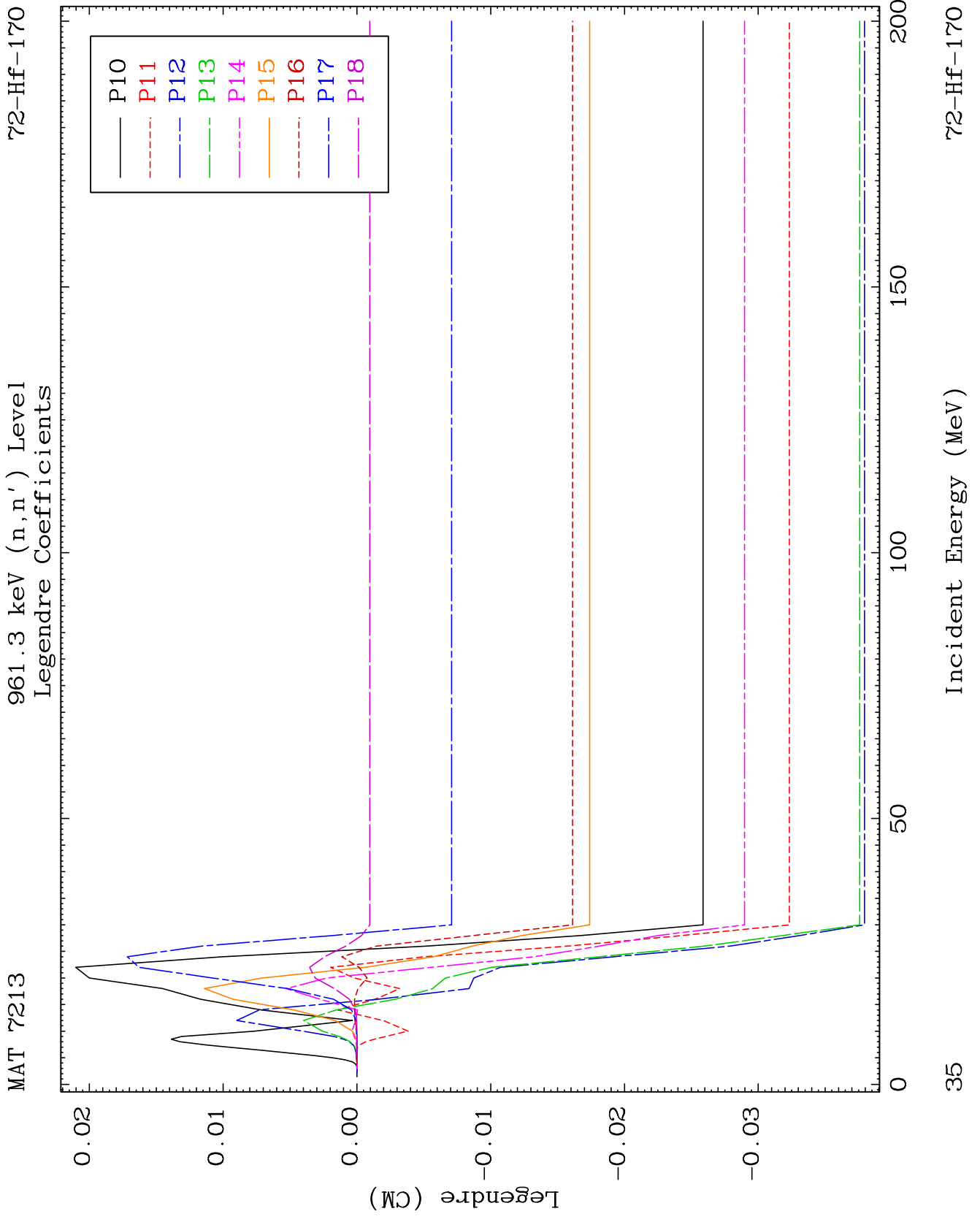
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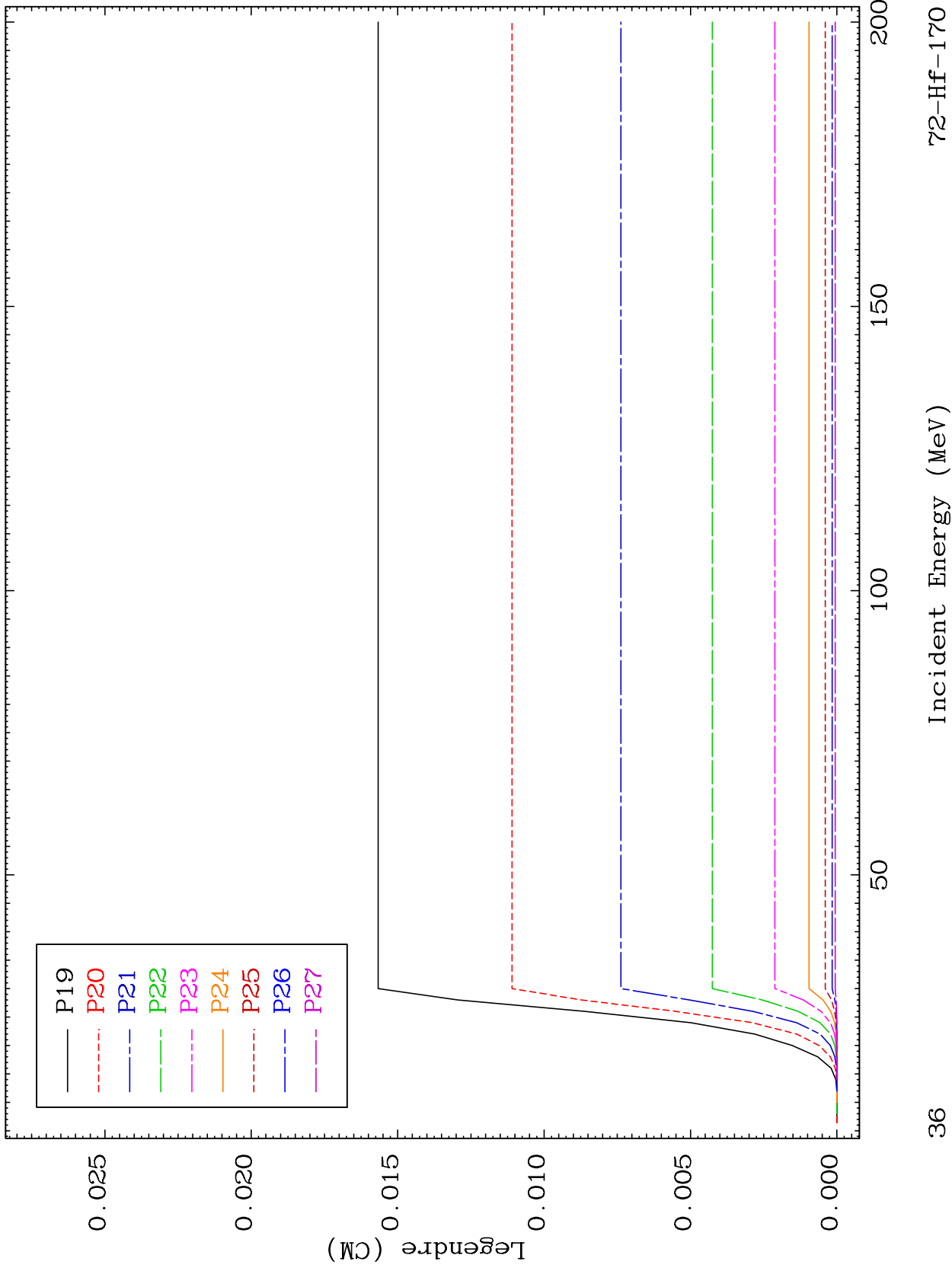


34

Incident Energy (MeV)

72-Hf-170

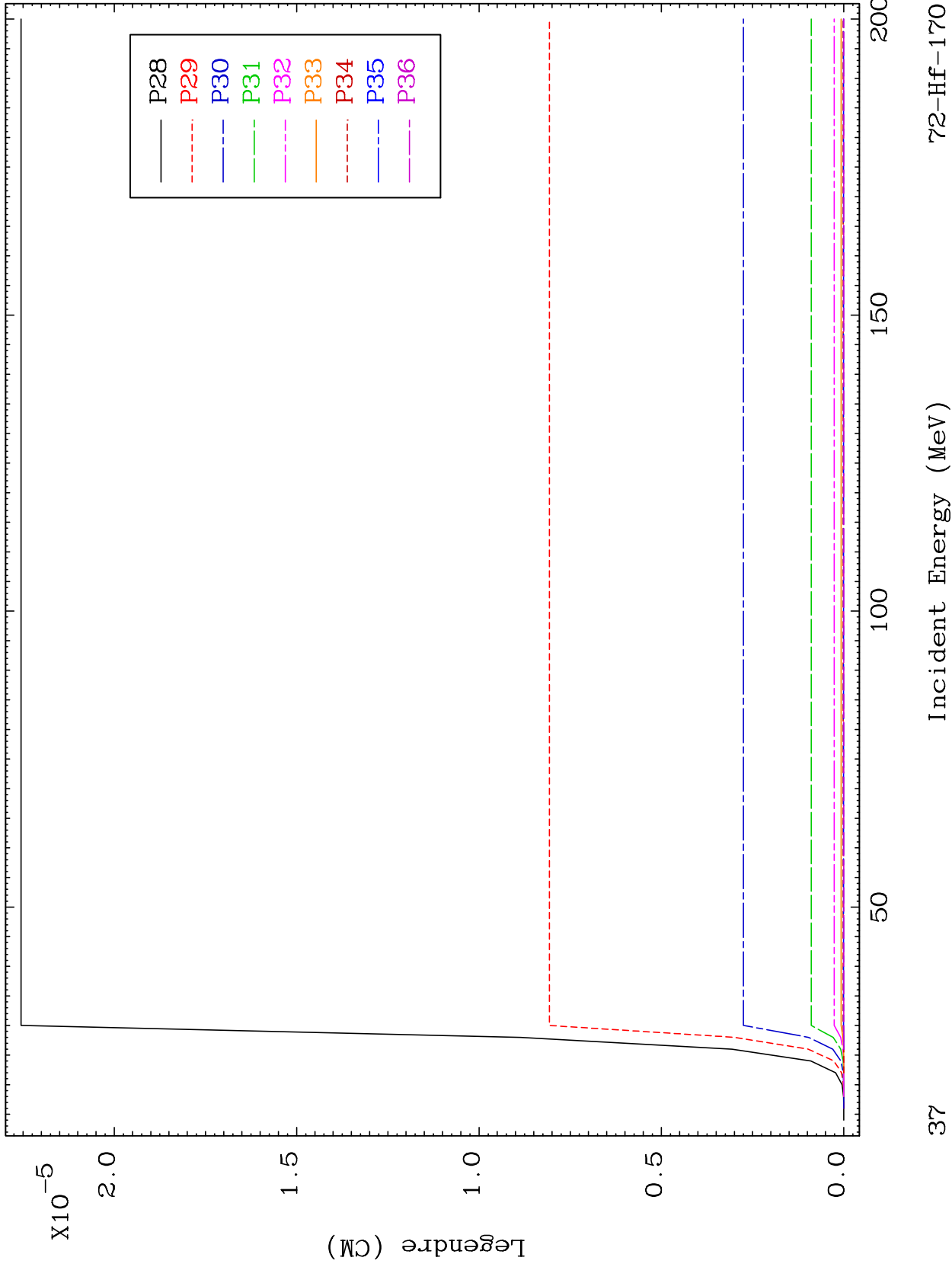




MAT 7213

961.3 keV (n,n') Level  
Legendre Coefficients

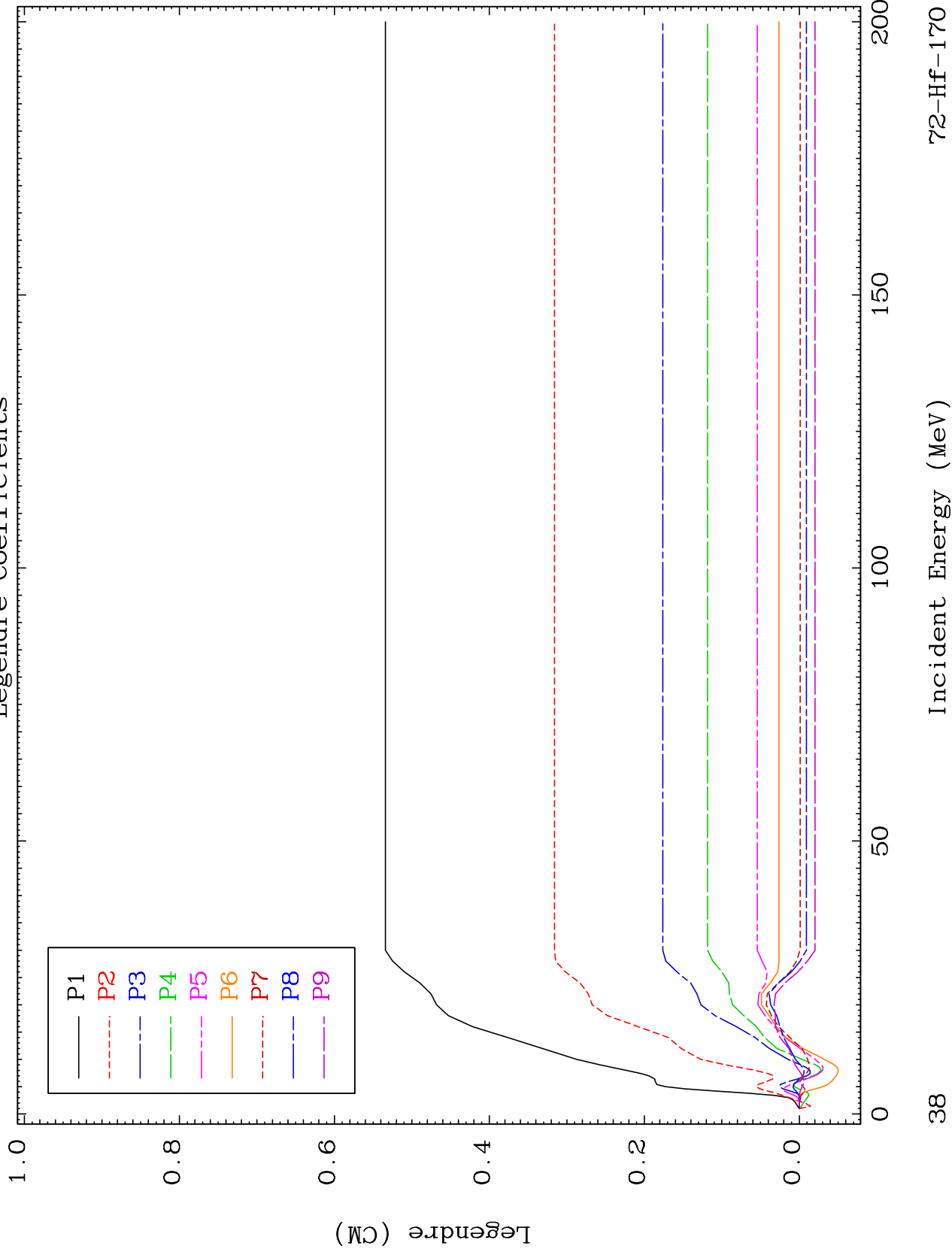
72-Hf-170



MAT 7213

987.0 keV (n,n') Level  
Legendre Coefficients

72-Hf-170



38

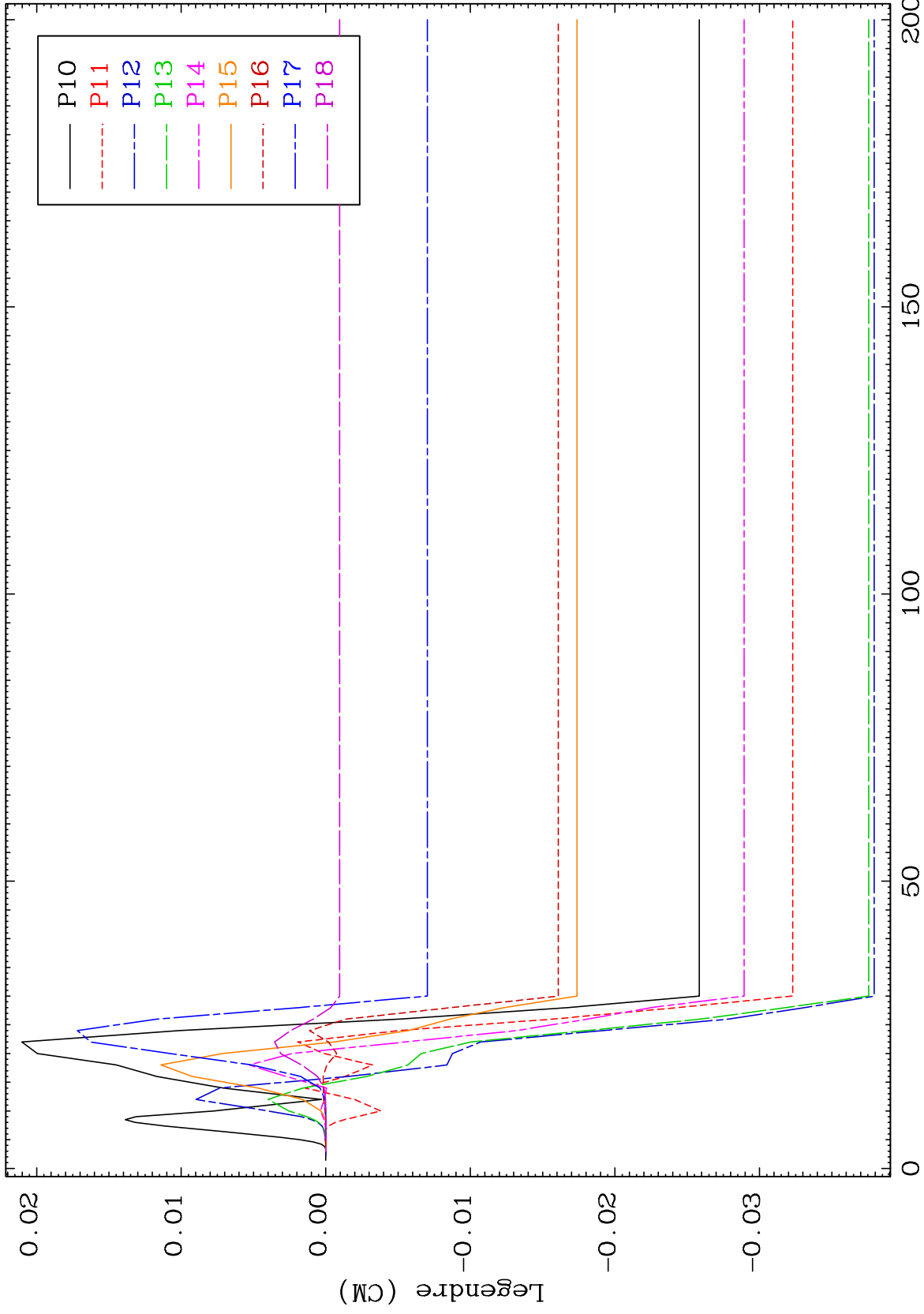
Incident Energy (MeV)

72-Hf-170

MAT 7213

987.0 keV (n,n') Level  
Legendre Coefficients

72-Hf-170



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Incident Energy (MeV)

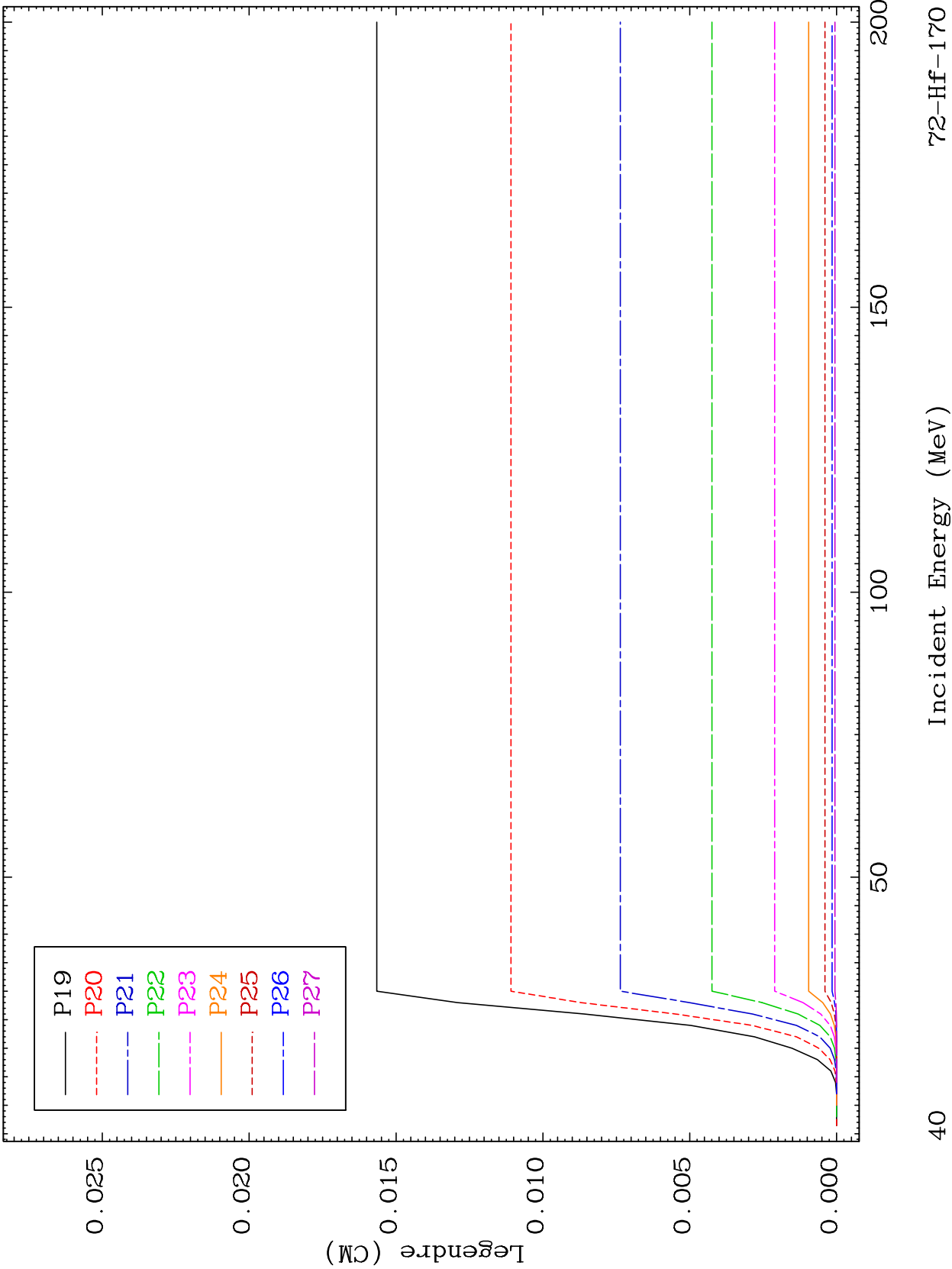
72-Hf-170



MAT 7213

987.0 keV (n,n') Level  
Legendre Coefficients

72-Hf-170



72-Hf-170

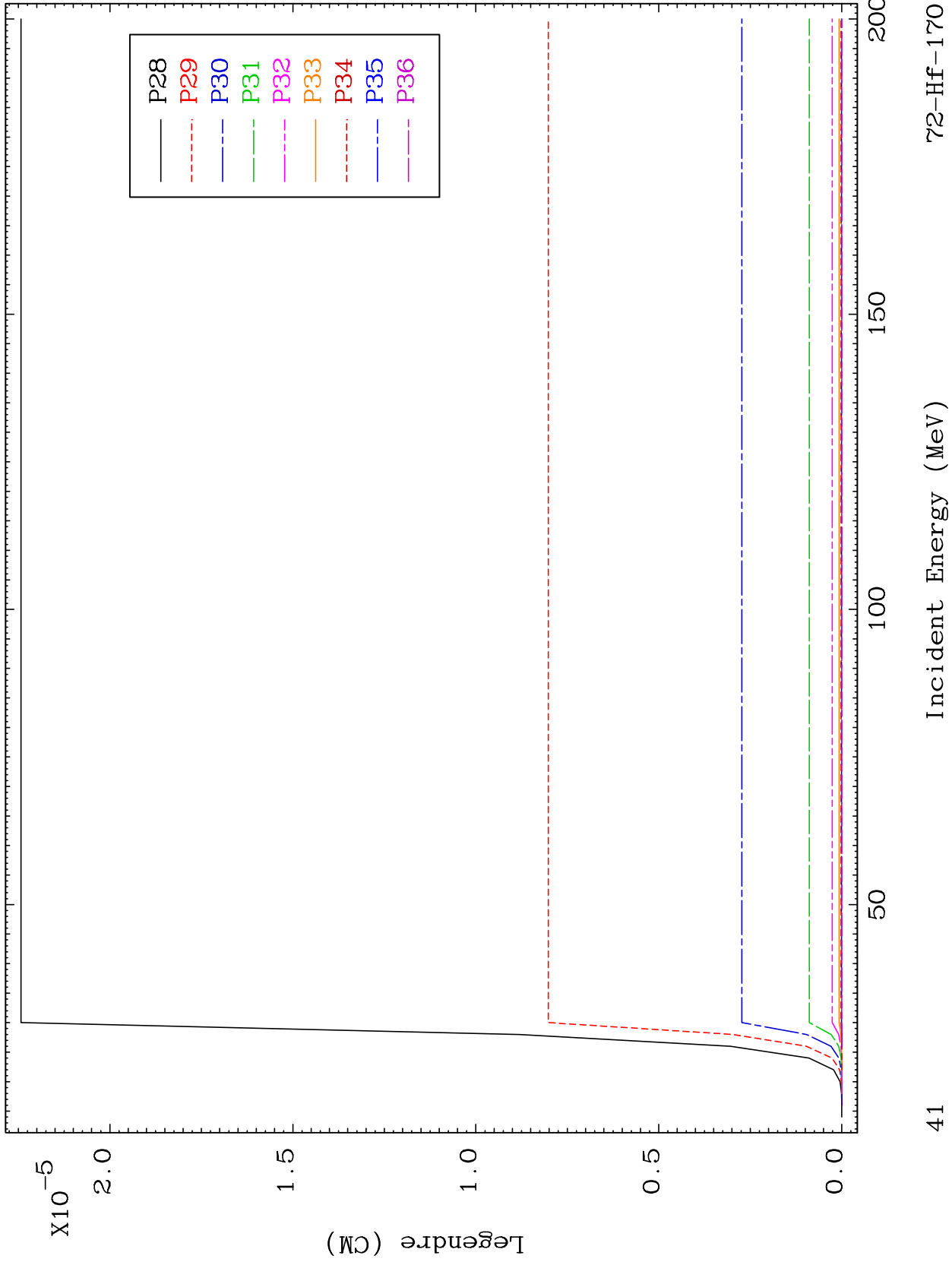
Incident Energy (MeV)

40

MAT 7213

987.0 keV (n,n') Level  
Legendre Coefficients

72-Hf-170

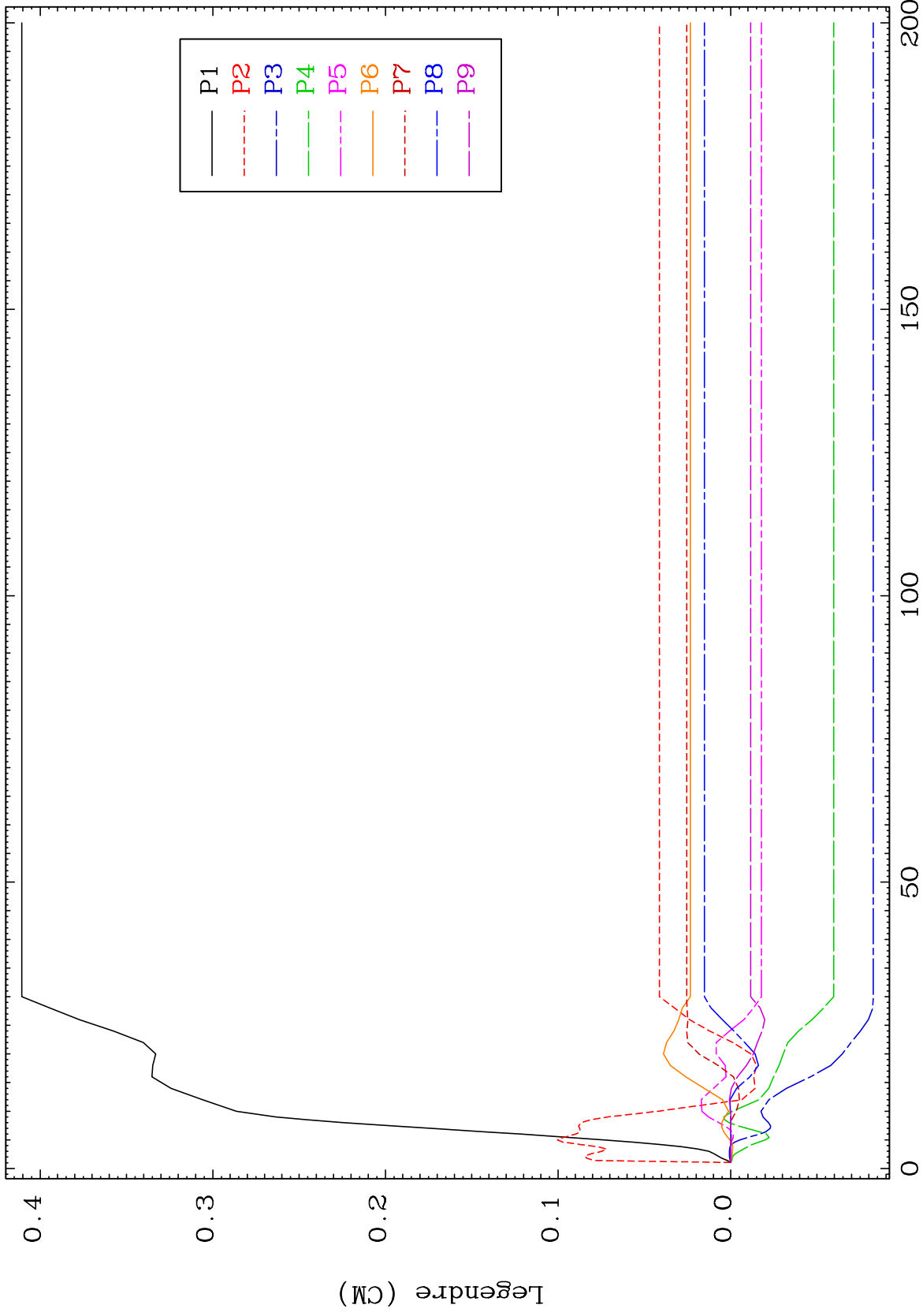


41

MAT 7213

1.043 MeV (n,n') Level  
Legendre Coefficients

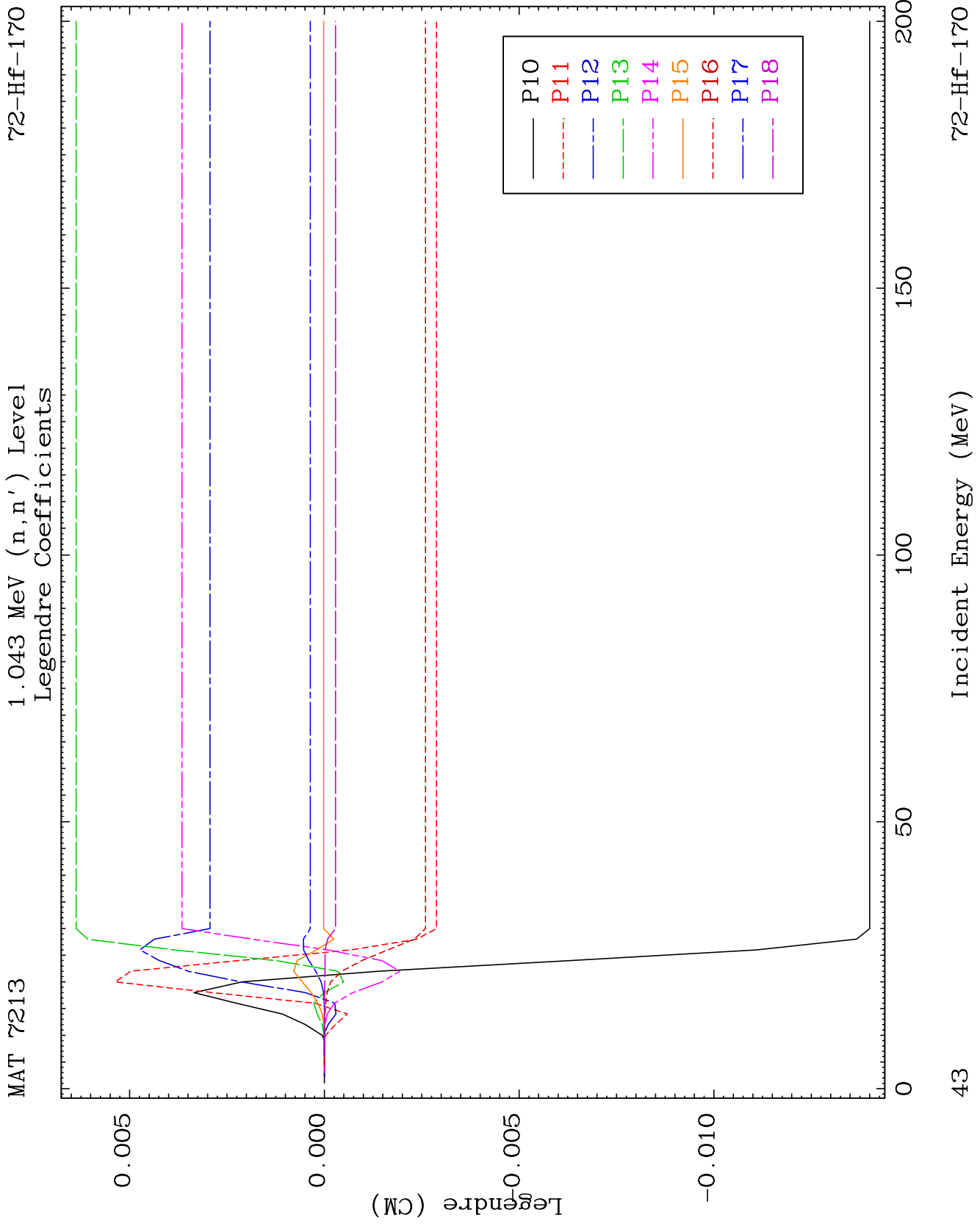
72-Hf-170

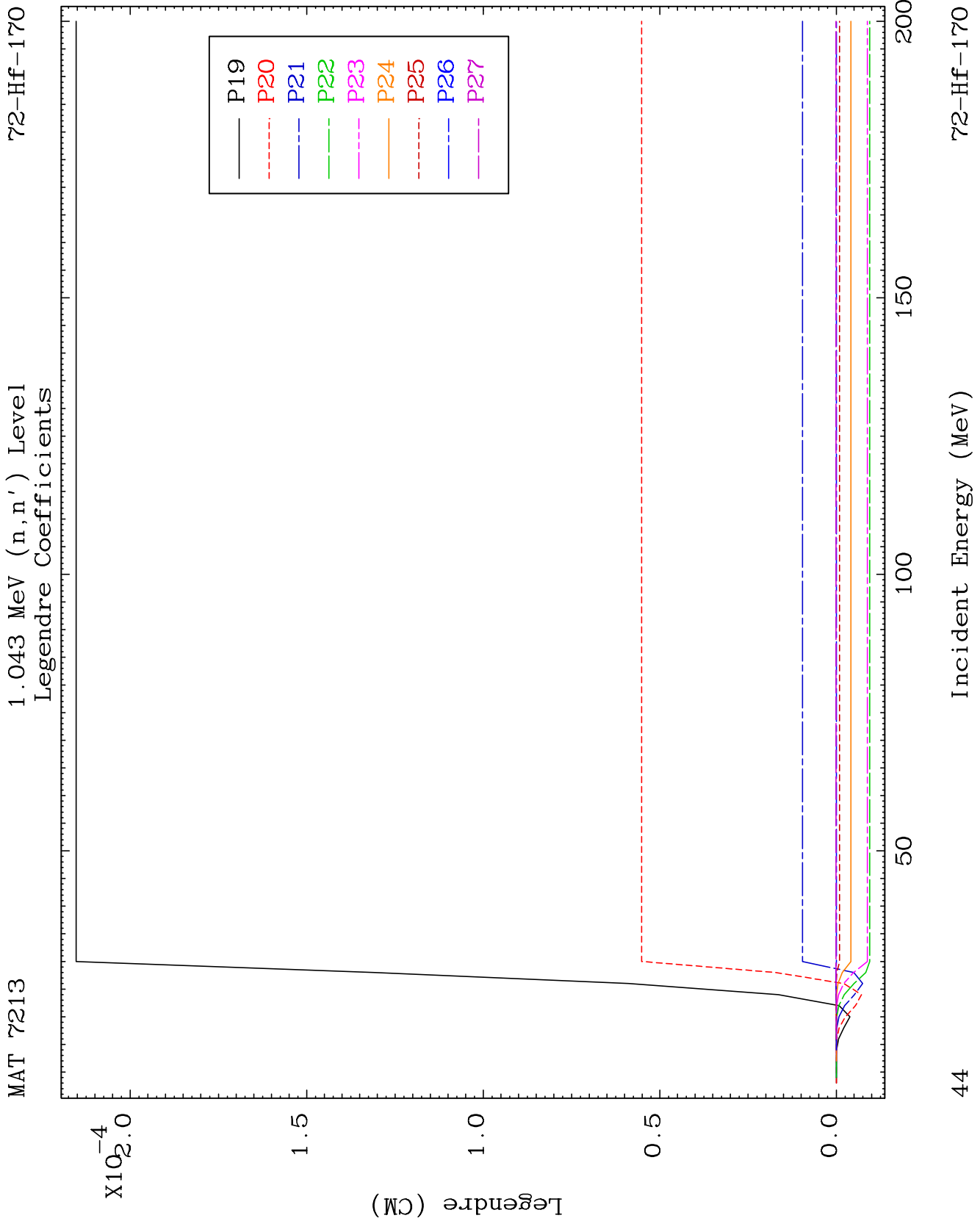


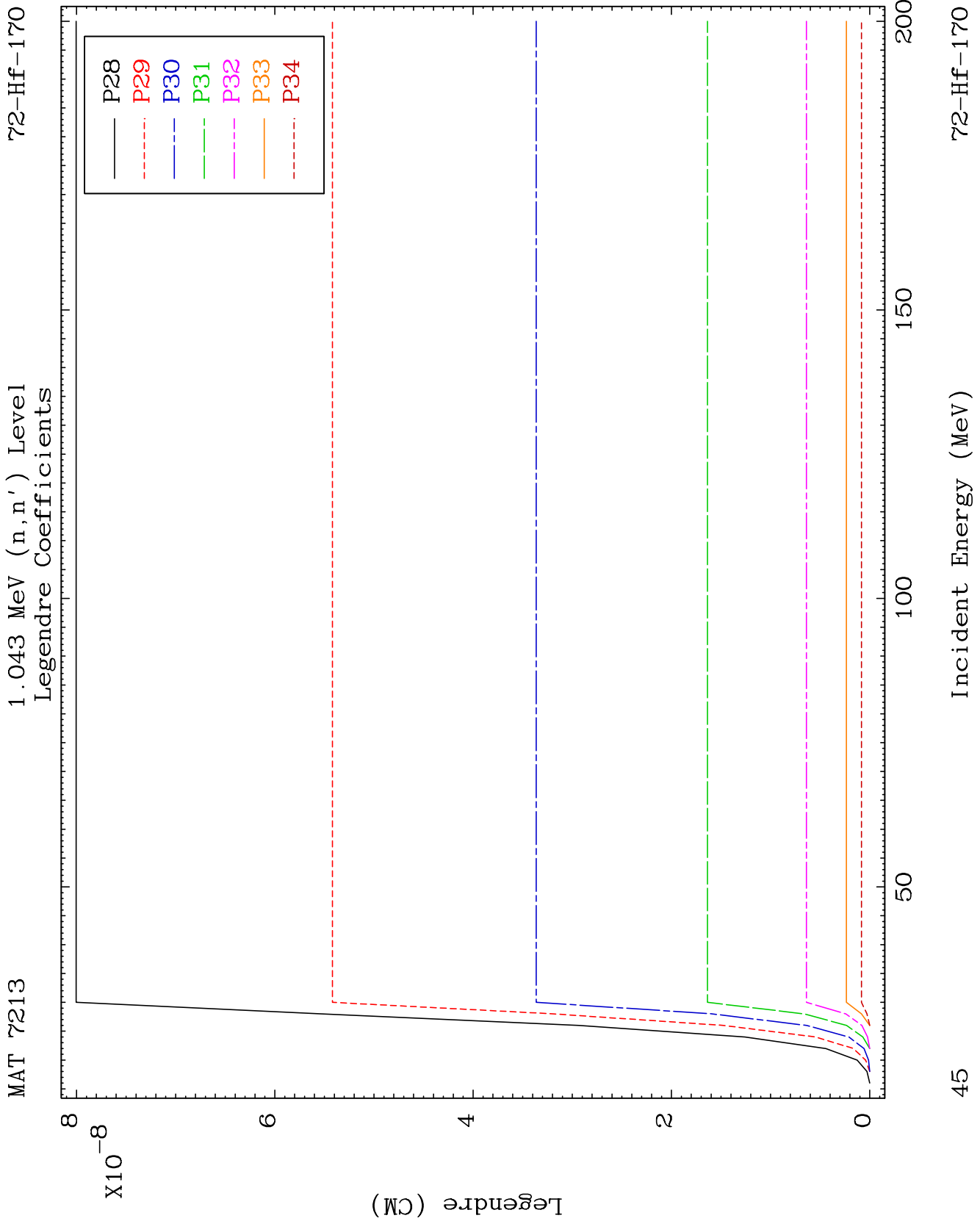
42

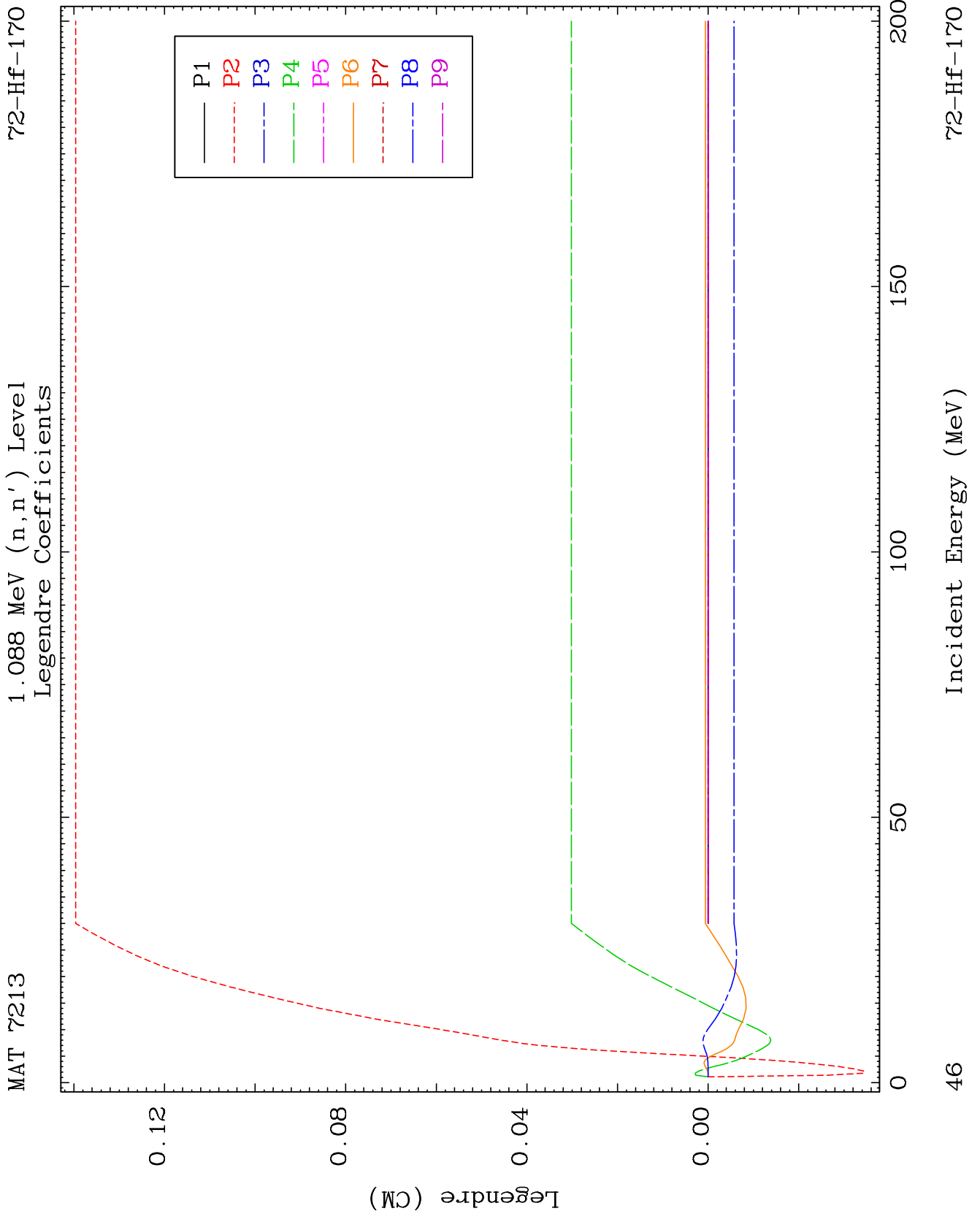
Incident Energy (MeV)

72-Hf-170





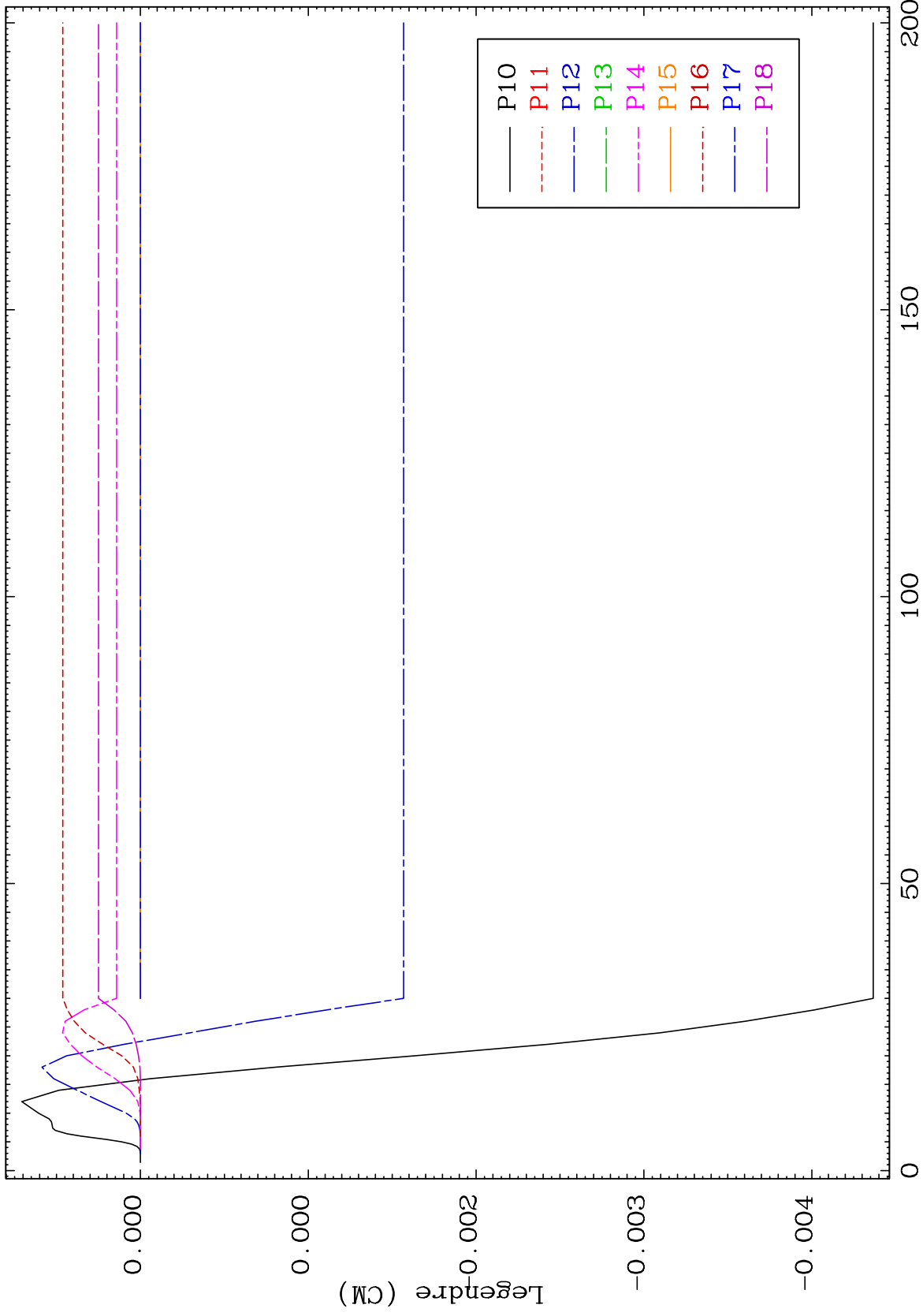




MAT 7213

1.088 MeV (n,n') Level  
Legendre Coefficients

72-Hf-170

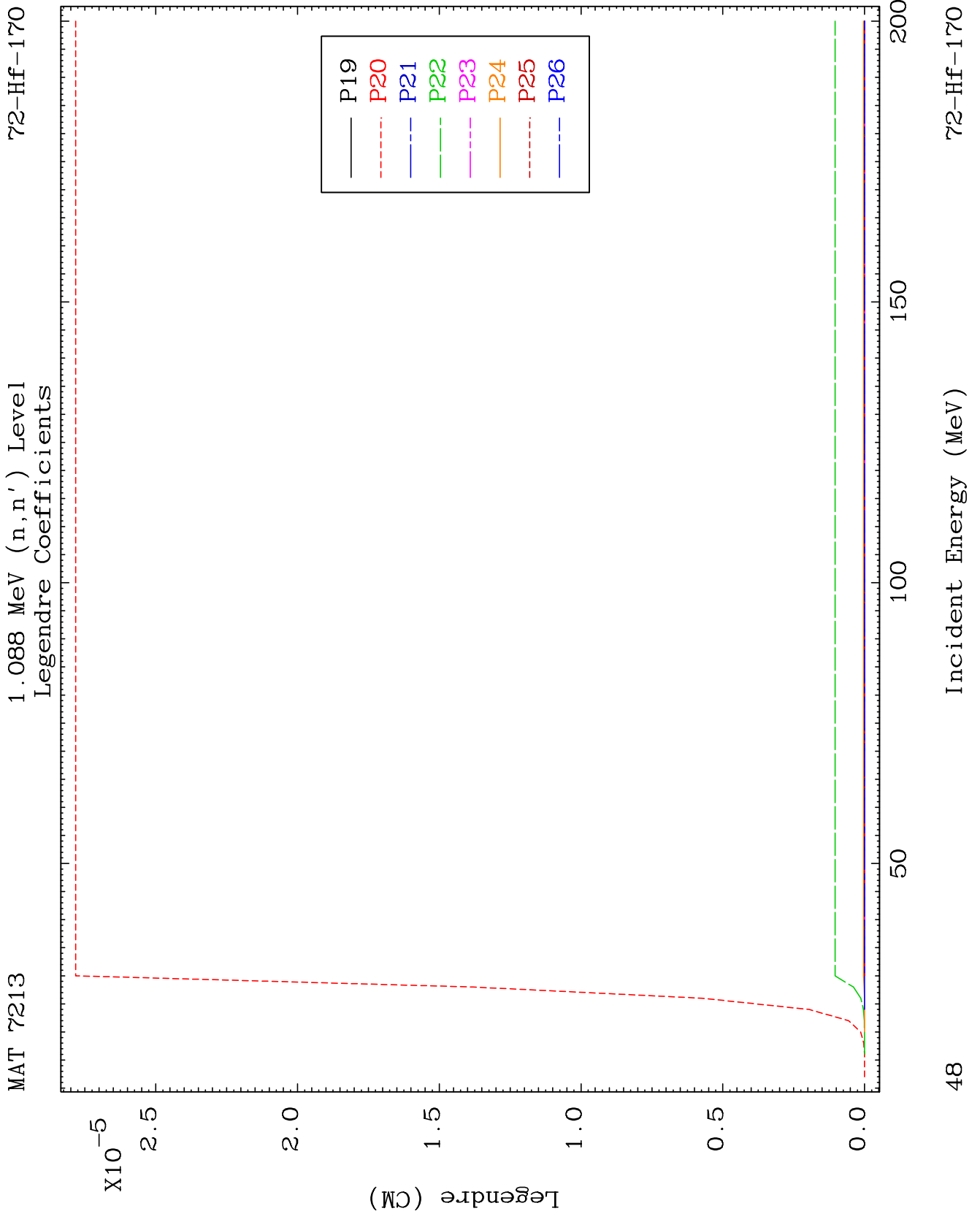


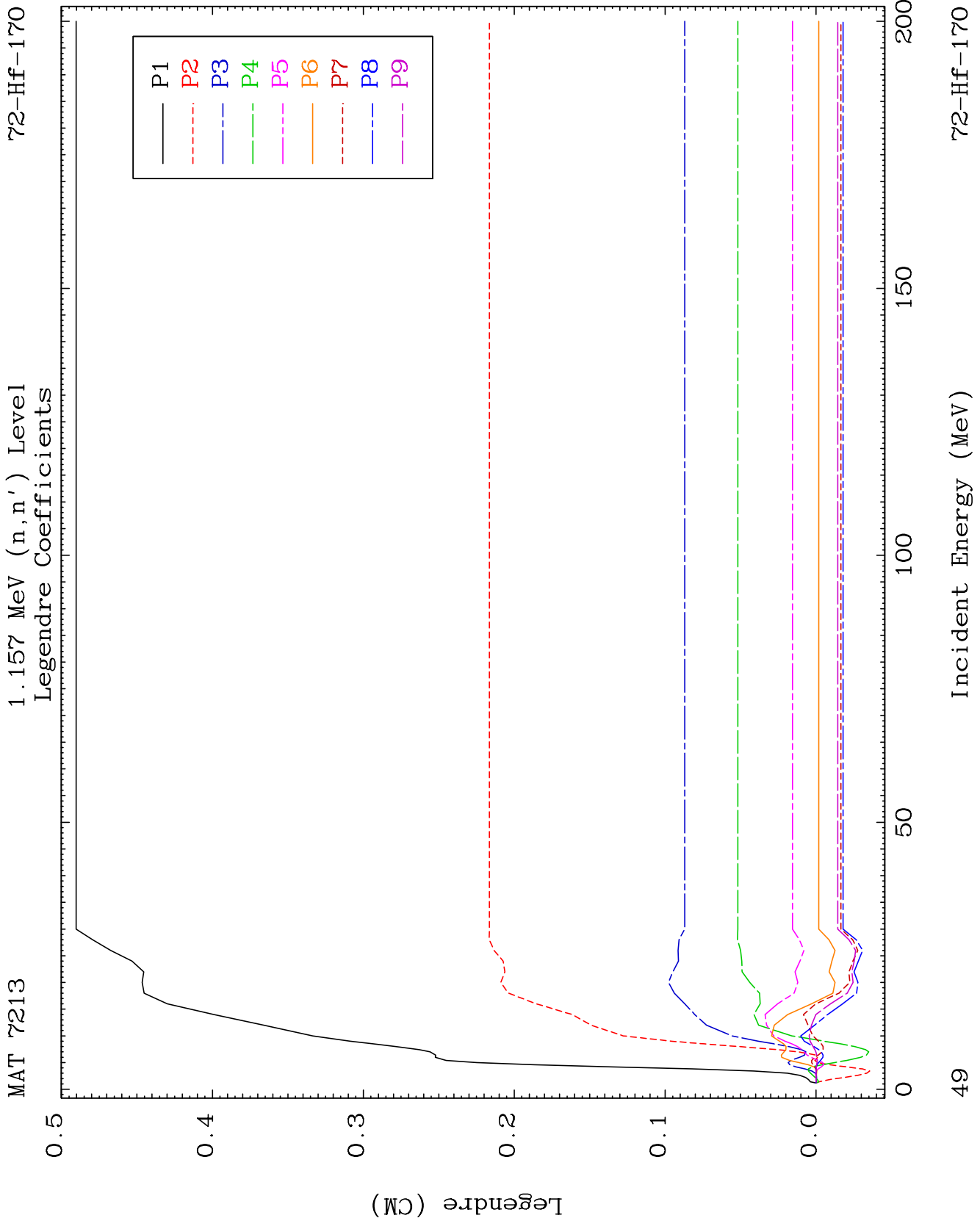
47

Incident Energy (MeV)

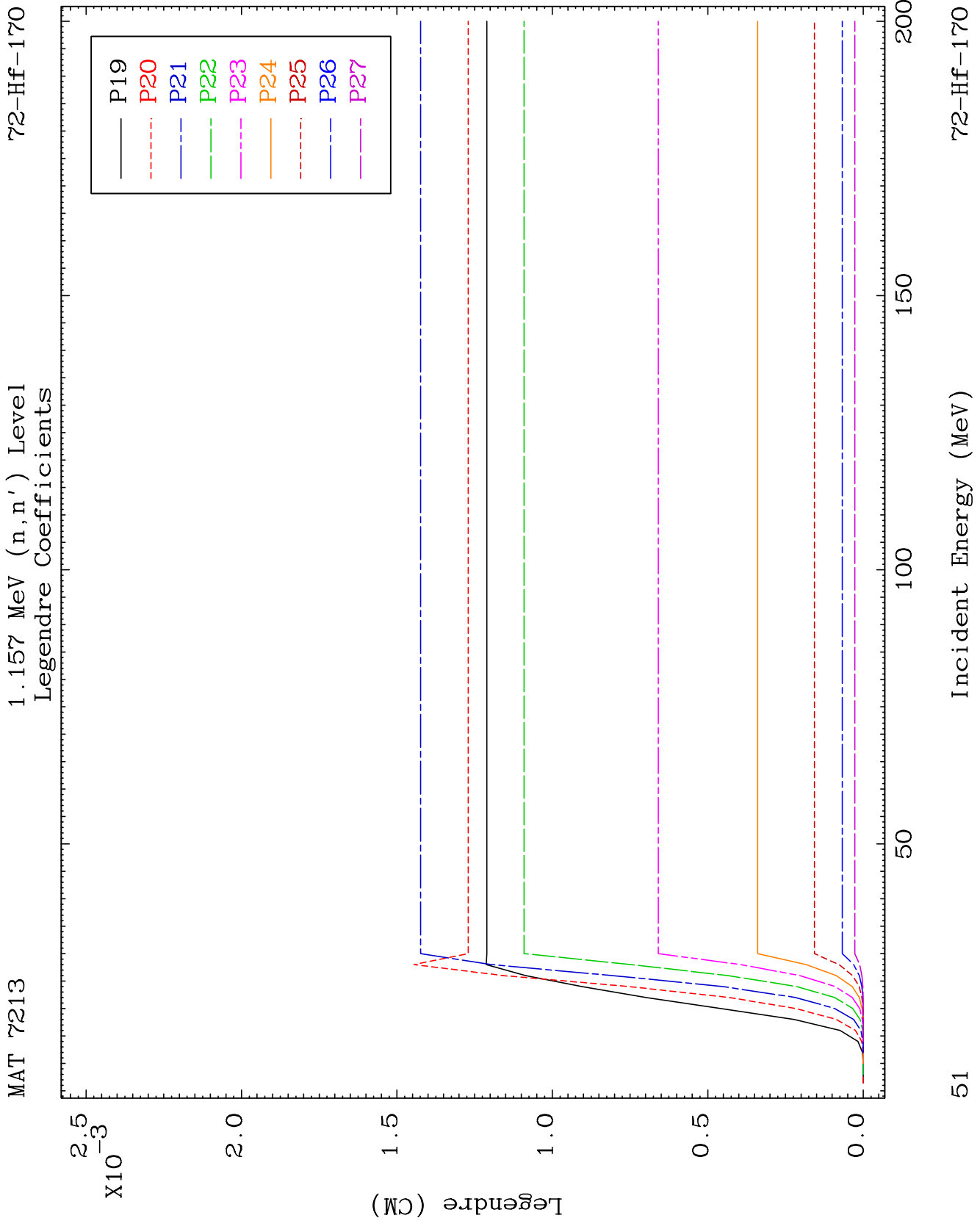
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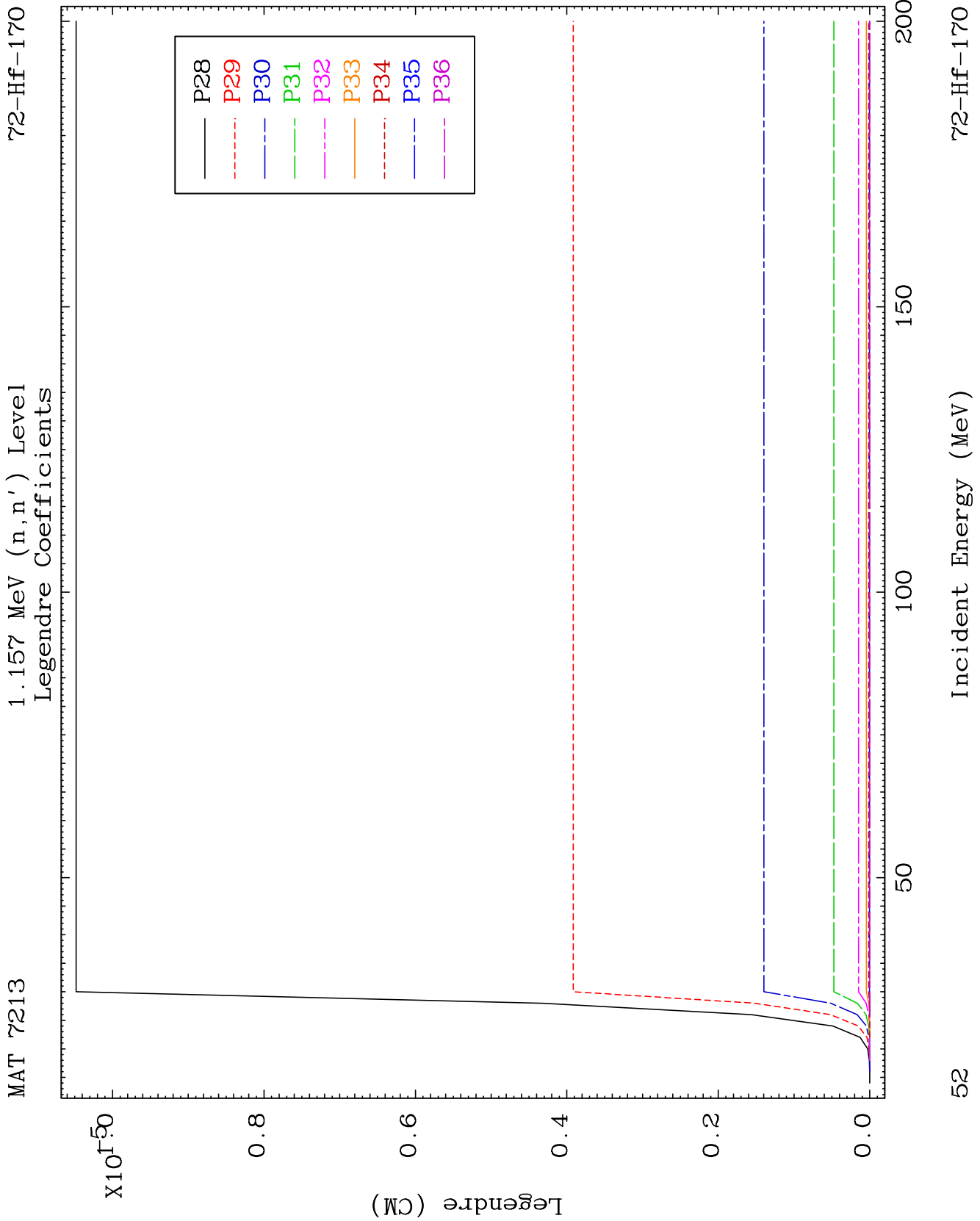


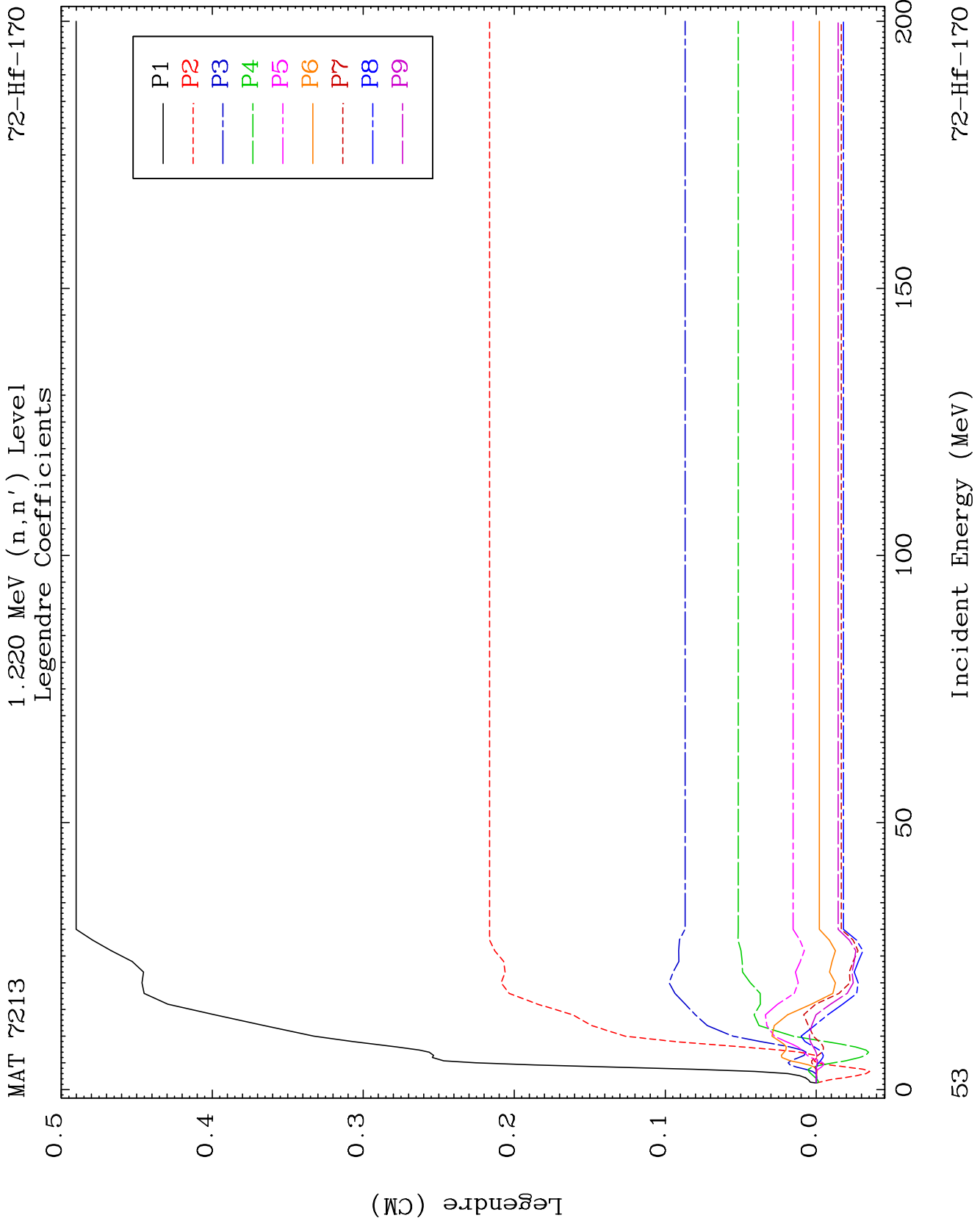


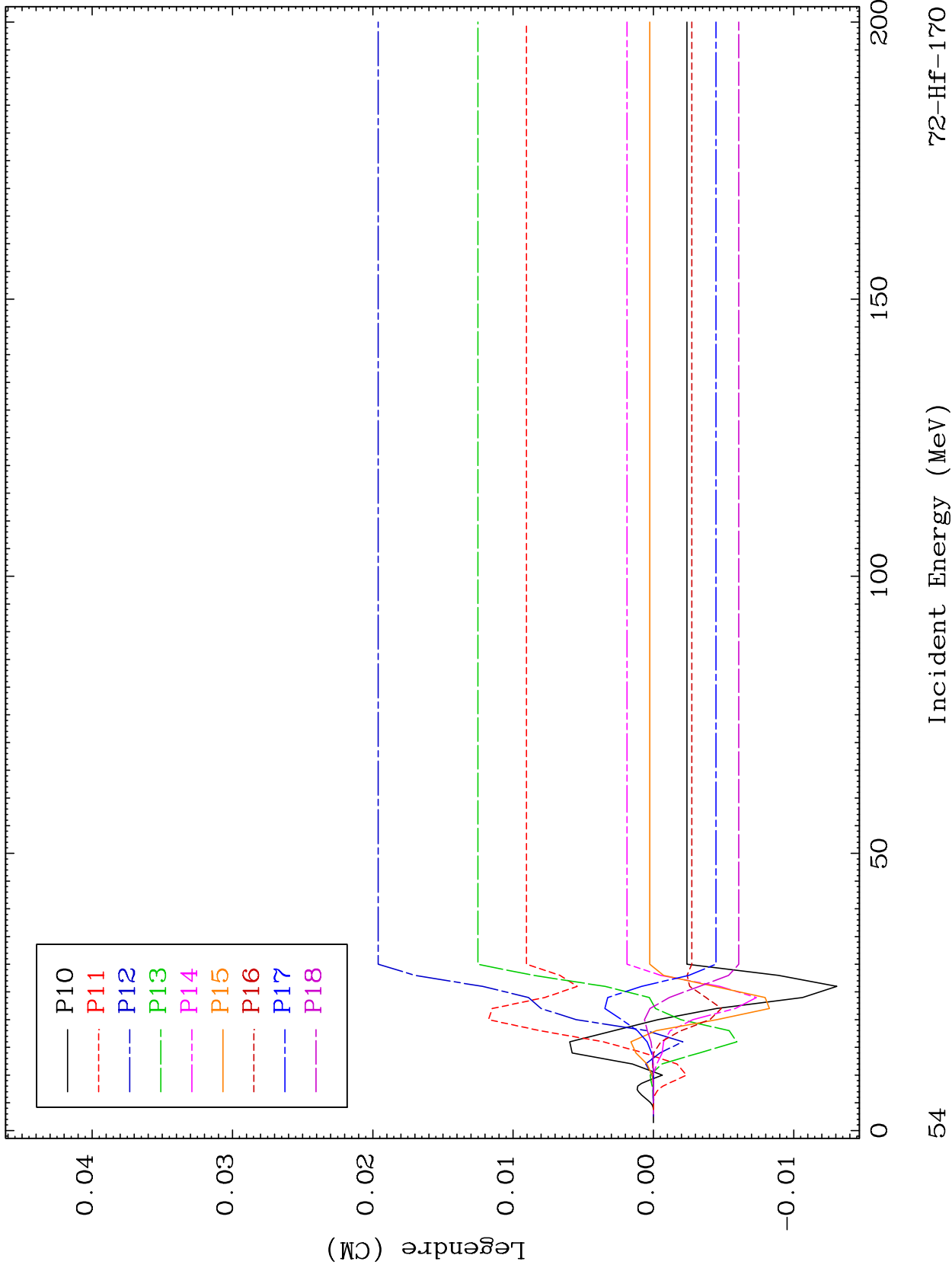


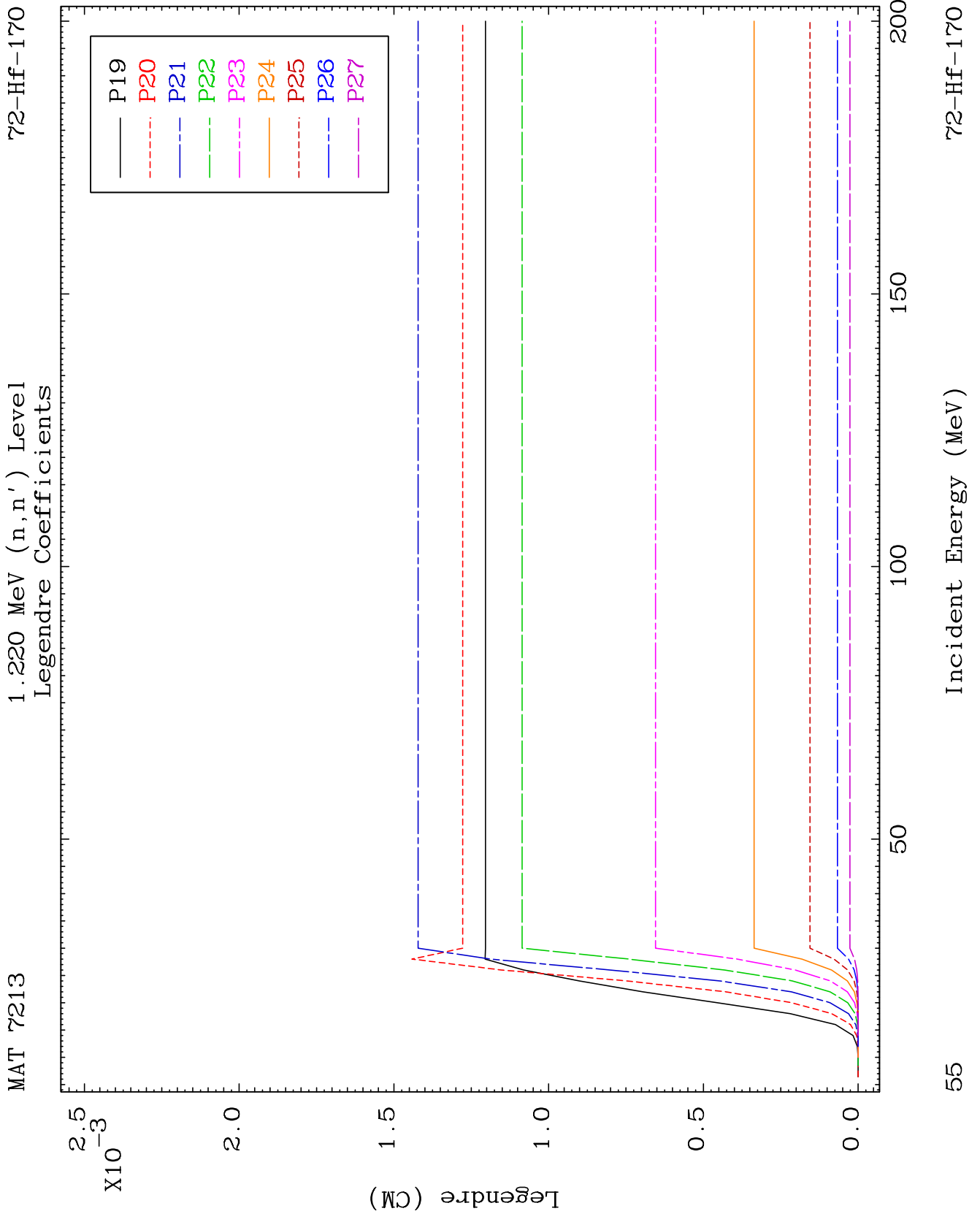










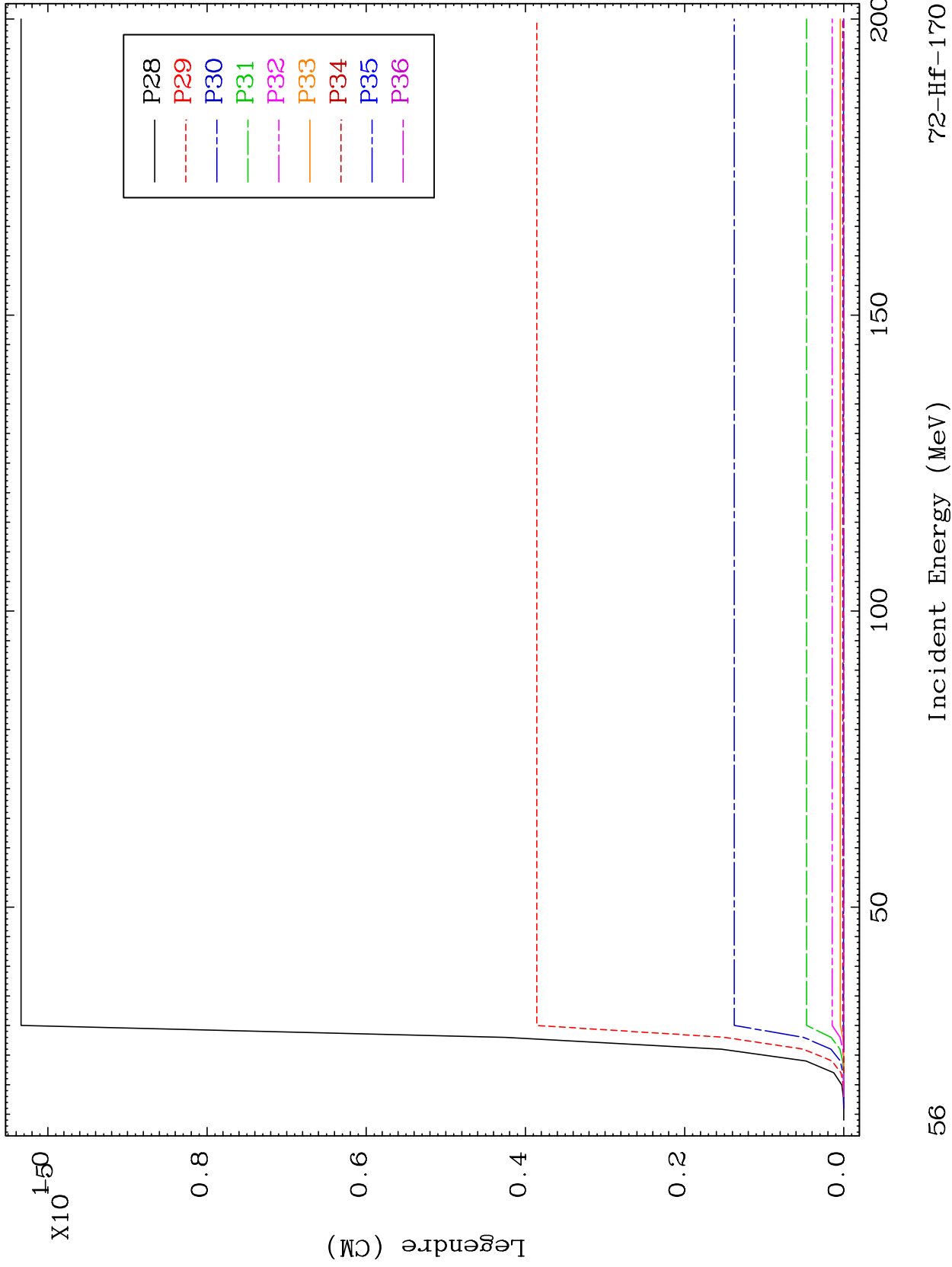




MAT 7213

1.220 MeV (n,n') Level  
Legendre Coefficients

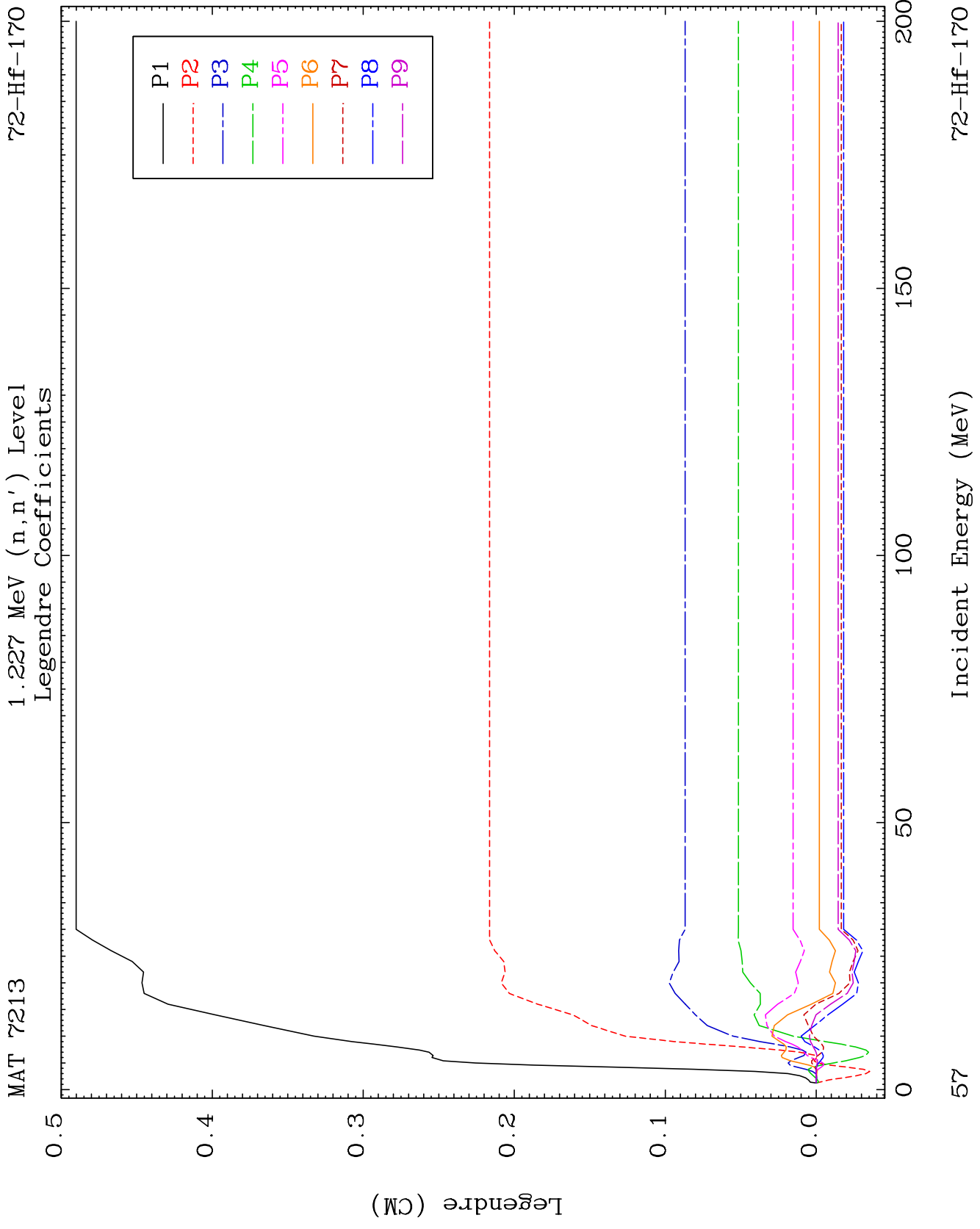
72-Hf-170



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Incident Energy (MeV)

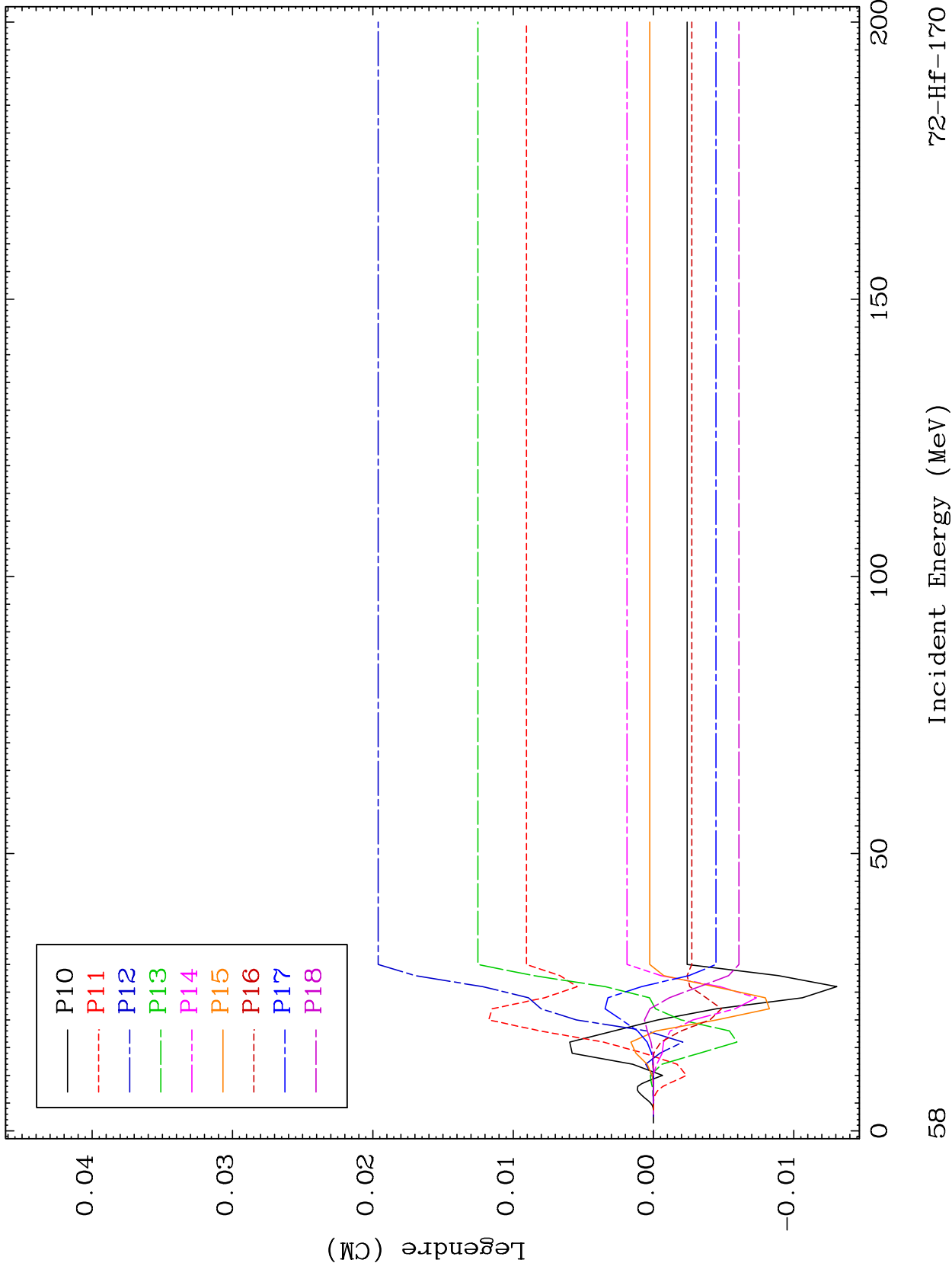
72-Hf-170



MAT 7213

1.227 MeV (n,n') Level  
Legendre Coefficients

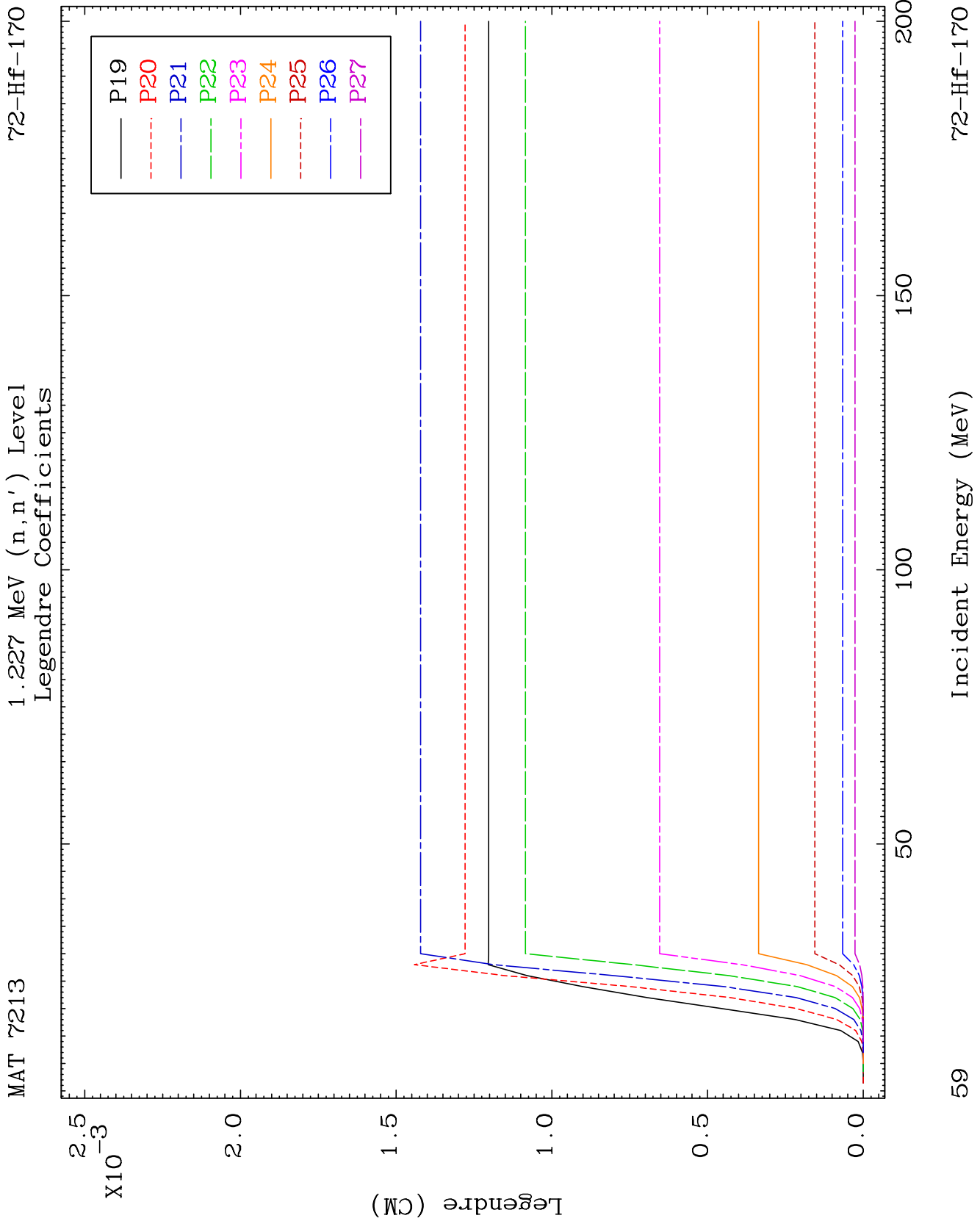
72-Hf-170

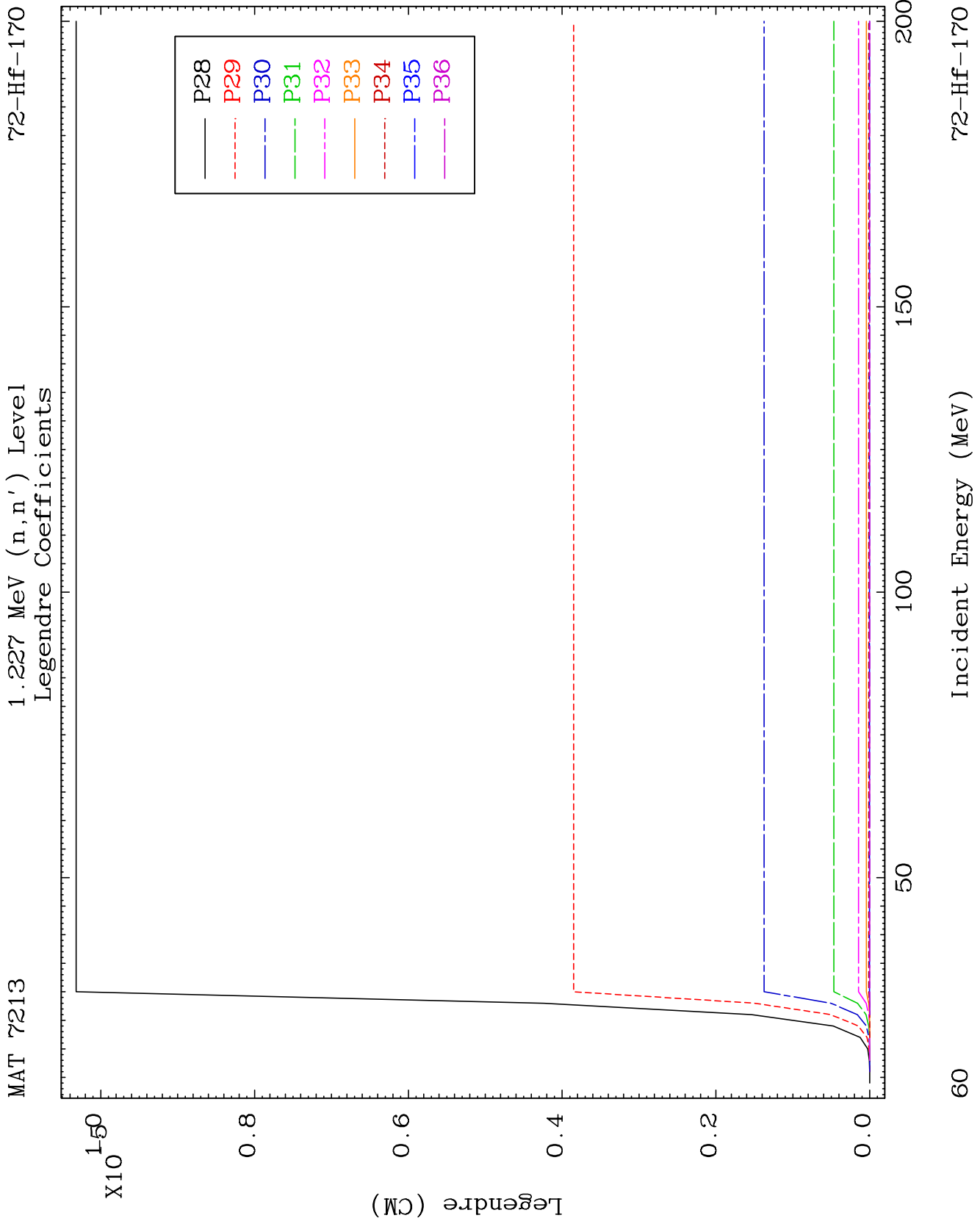


58

Incident Energy (MeV)

72-Hf-170





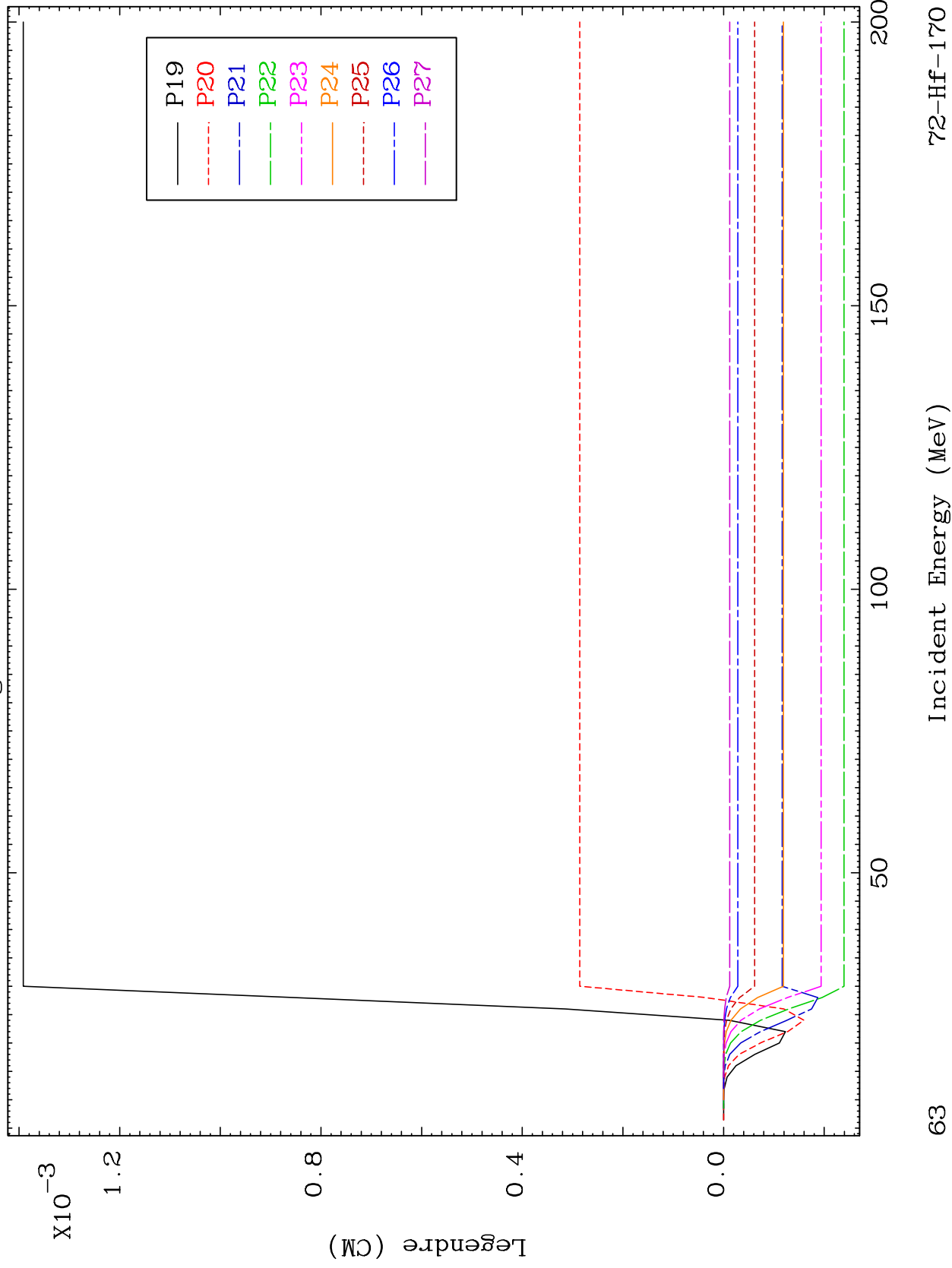




MAT 7213

1.373 MeV (n,n') Level  
Legendre Coefficients

72-Hf-170

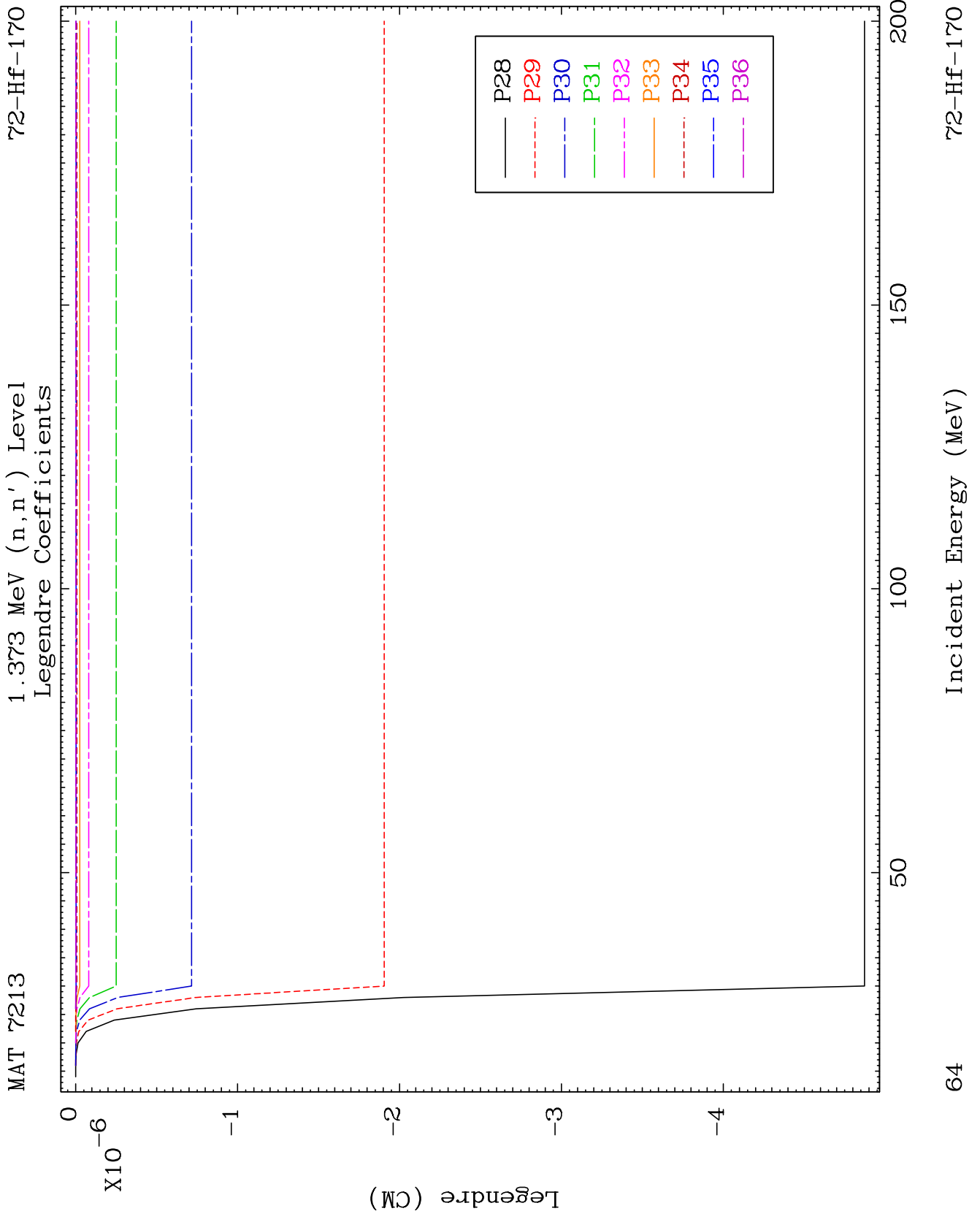


63

Incident Energy (MeV)

72-Hf-170

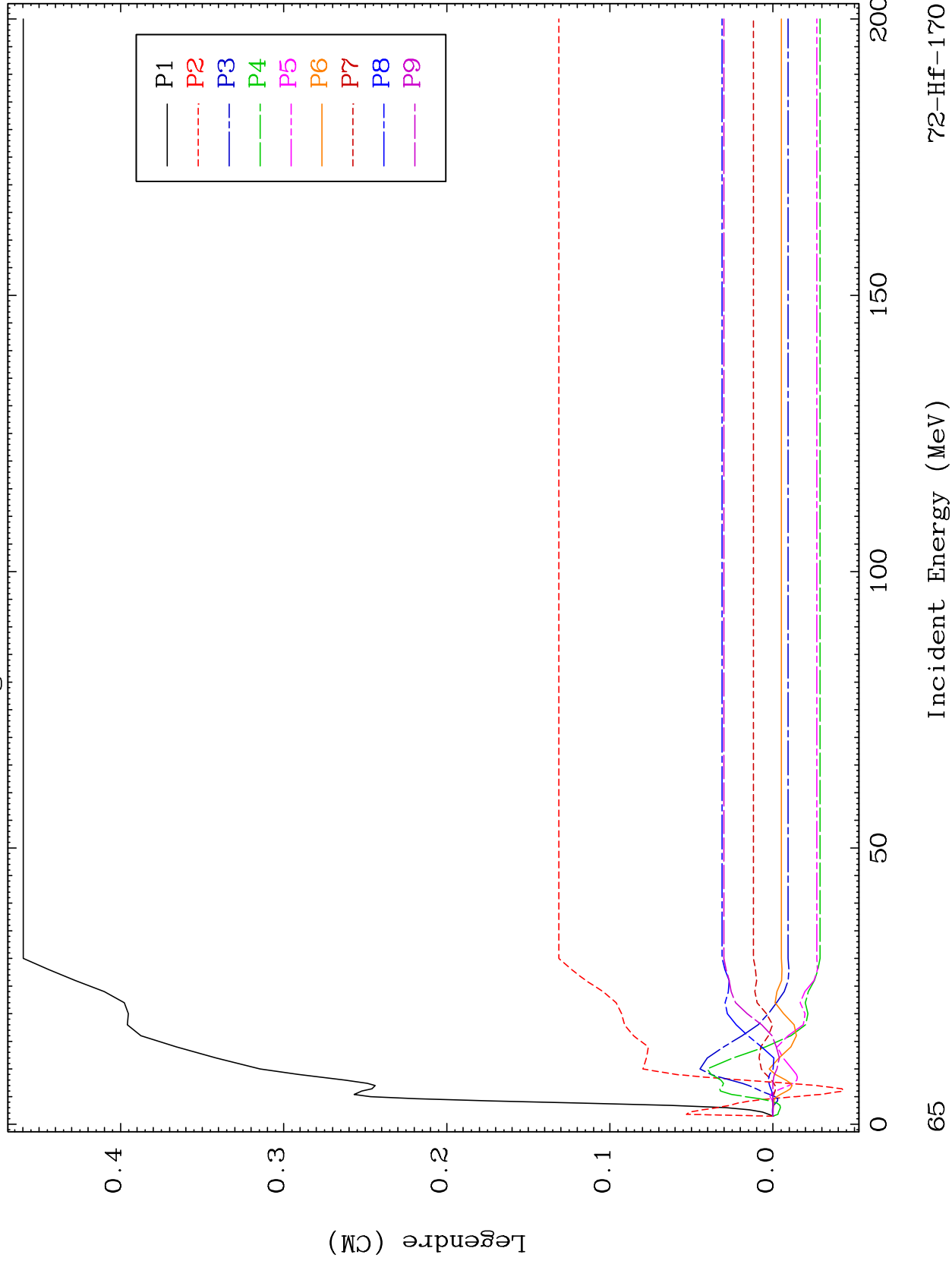




MAT 7213

1.444 MeV (n, n') Level  
Legendre Coefficients

72-Hf-170



72-Hf-170

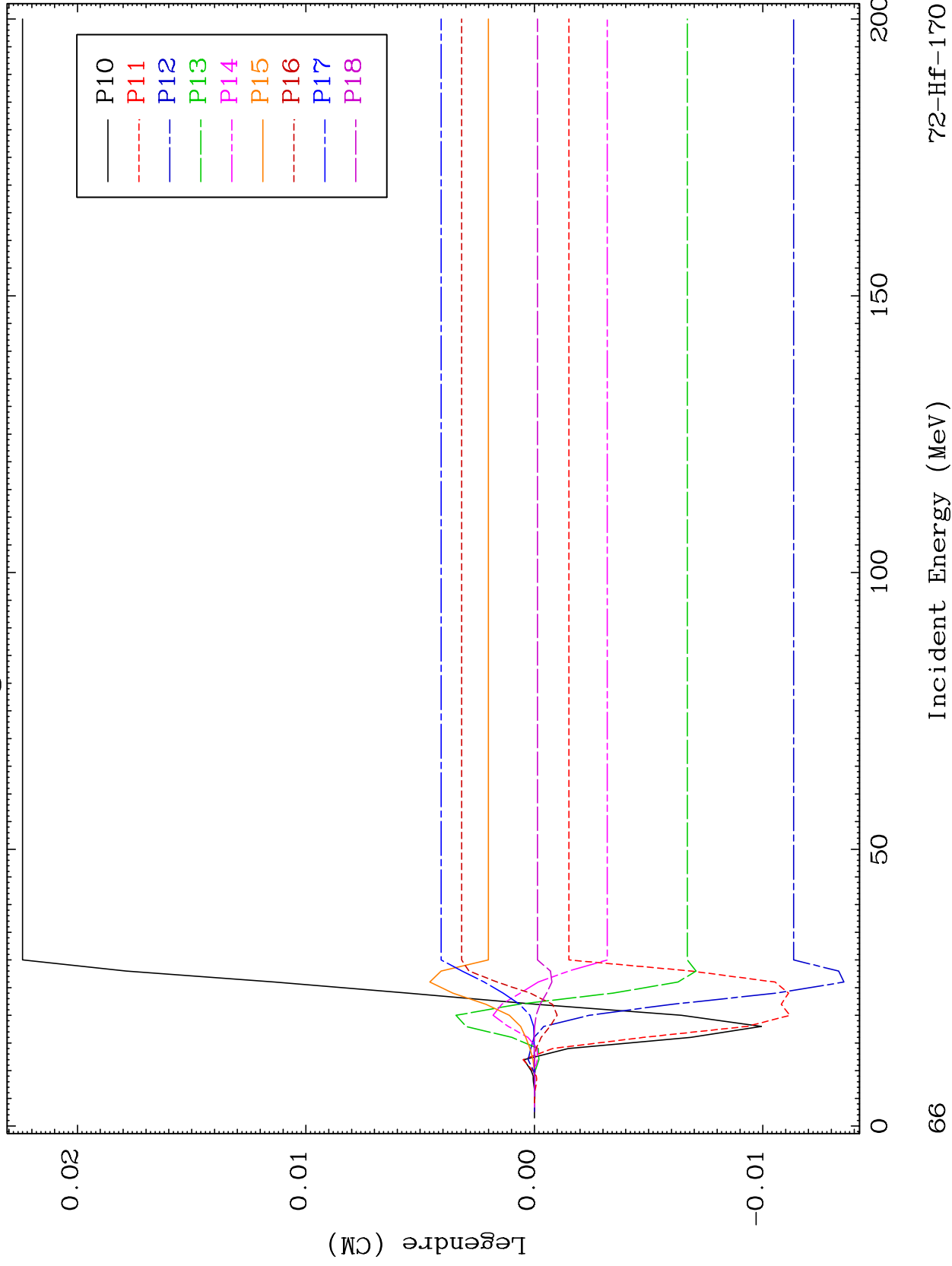
Incident Energy (MeV)

65

MAT 7213

1.444 MeV (n,n') Level  
Legendre Coefficients

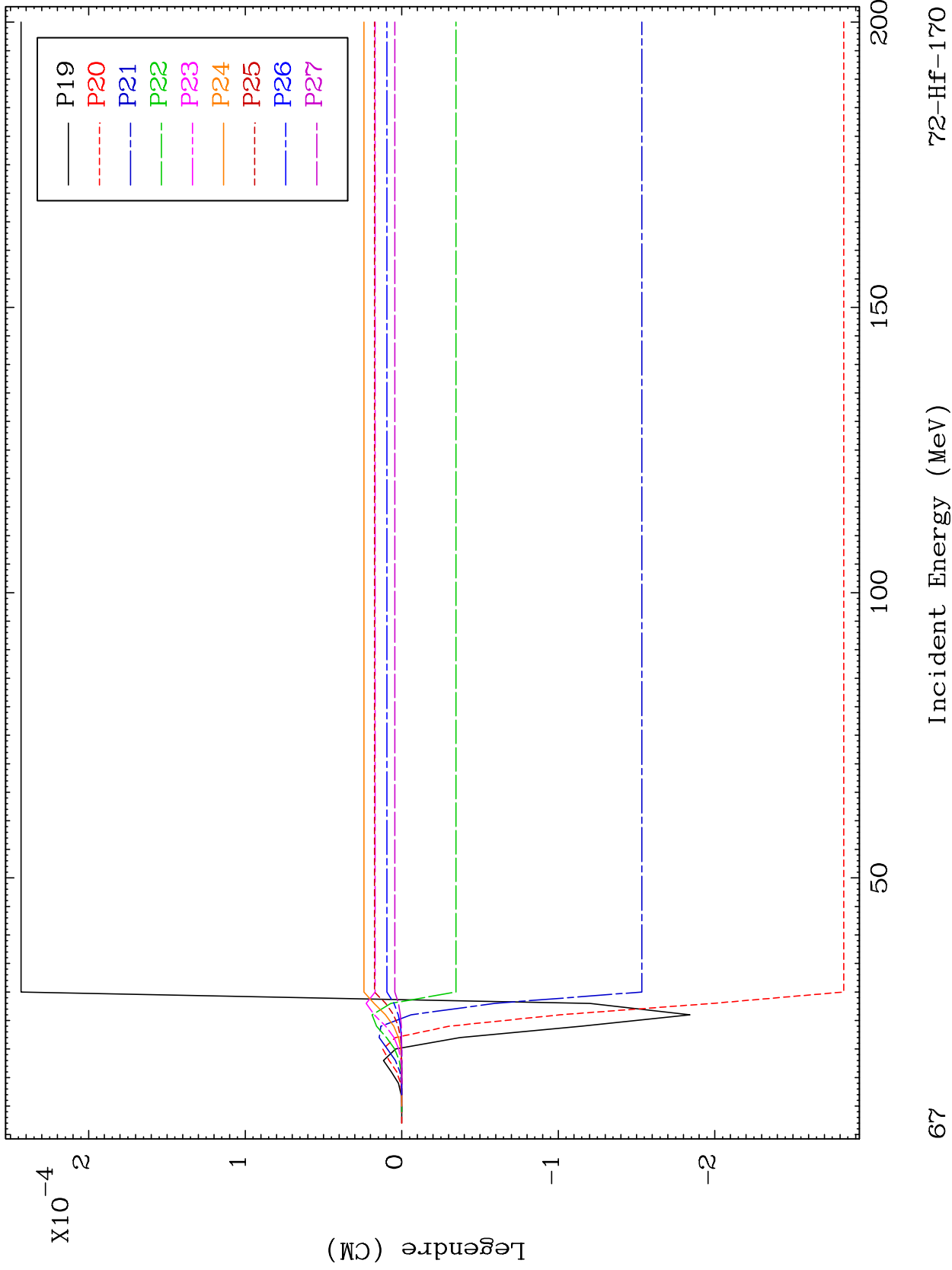
72-Hf-170



MAT 7213

1.444 MeV (n,n') Level  
Legendre Coefficients

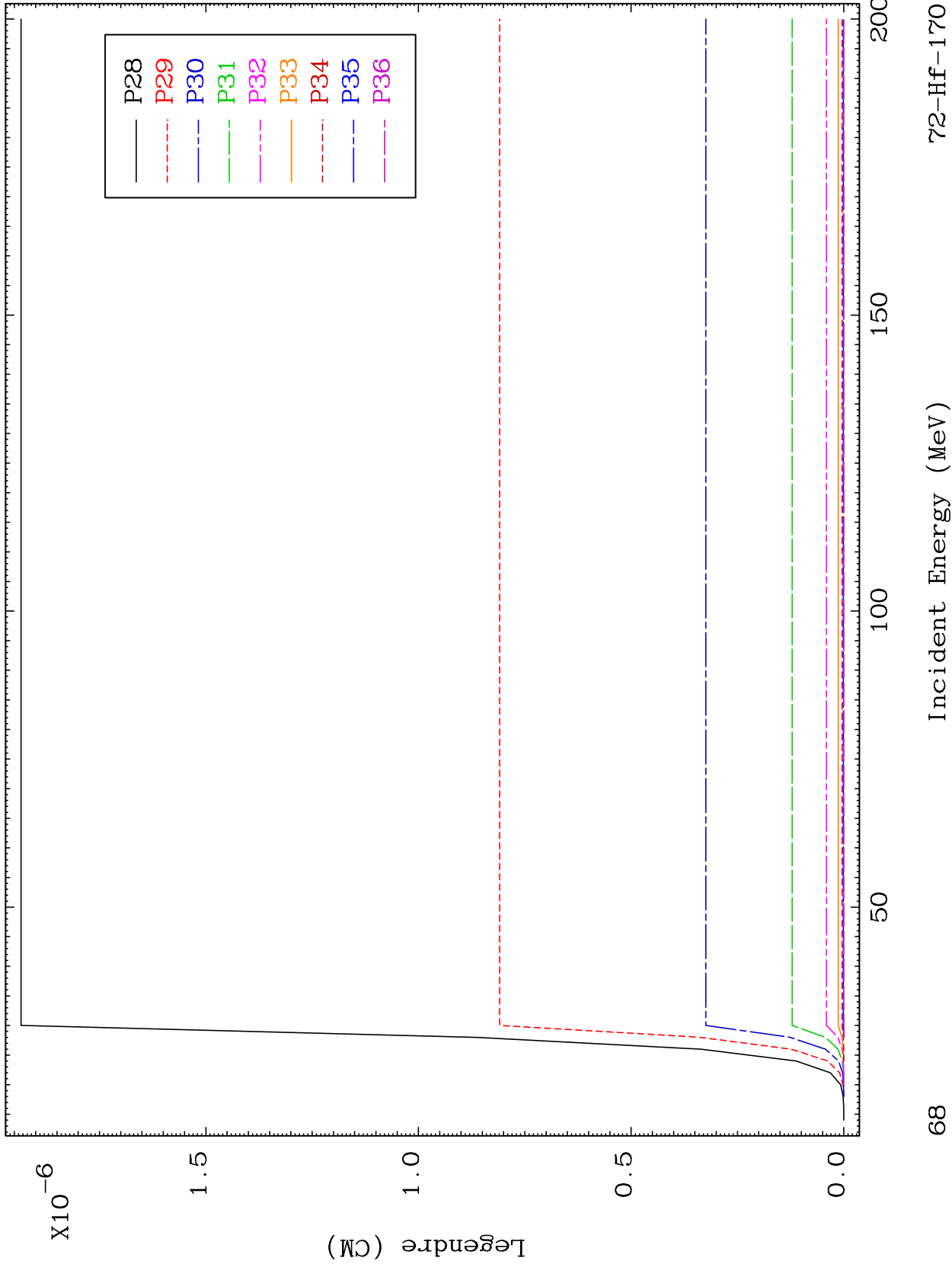
72-Hf-170



MAT 7213

1.444 MeV (n,n') Level  
Legendre Coefficients

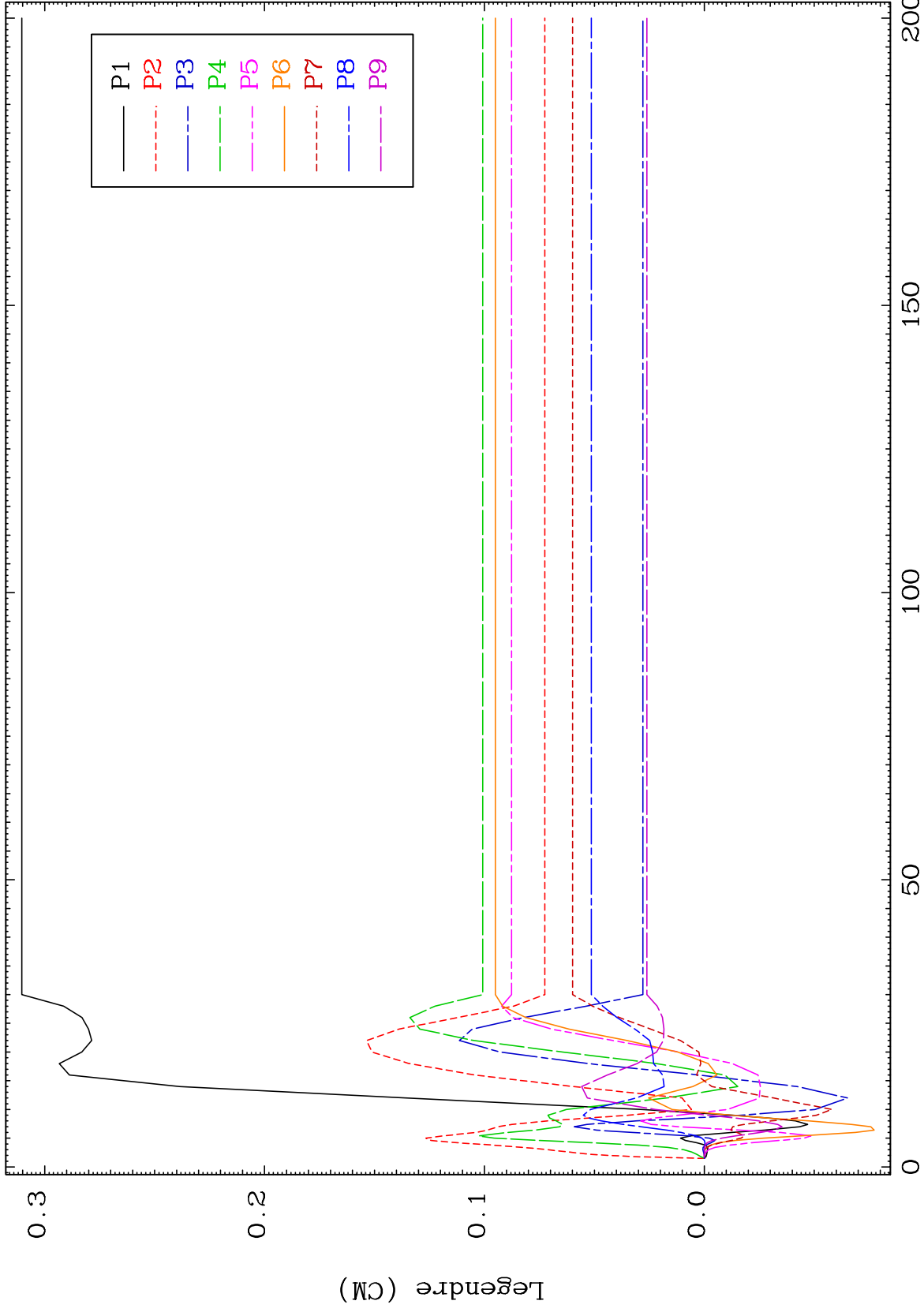
72-Hf-170



MAT 7213

1.475 MeV (n,n') Level  
Legendre Coefficients

72-Hf-170



69

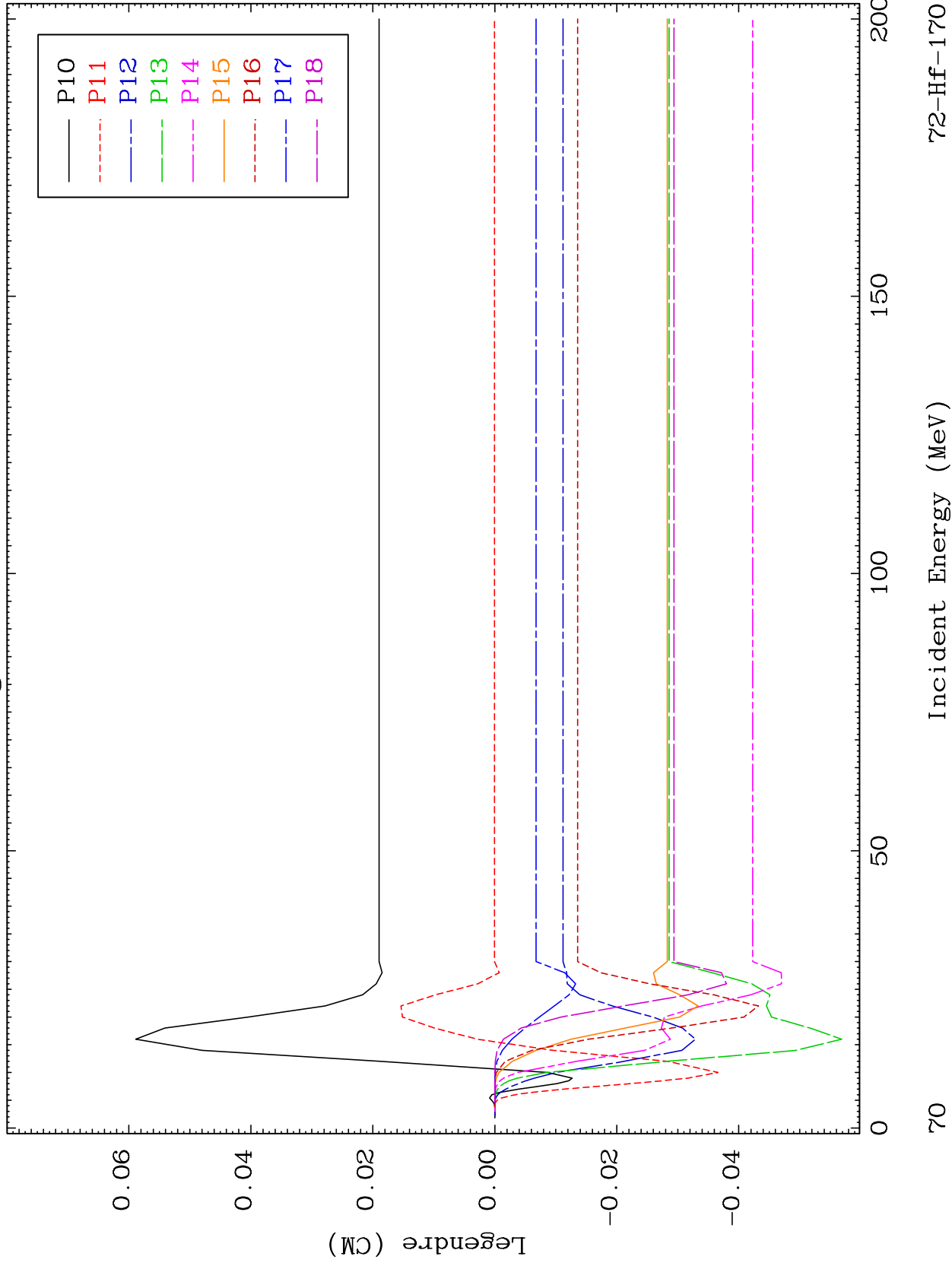
Incident Energy (MeV)

72-Hf-170

MAT 7213

1.475 MeV (n,n') Level  
Legendre Coefficients

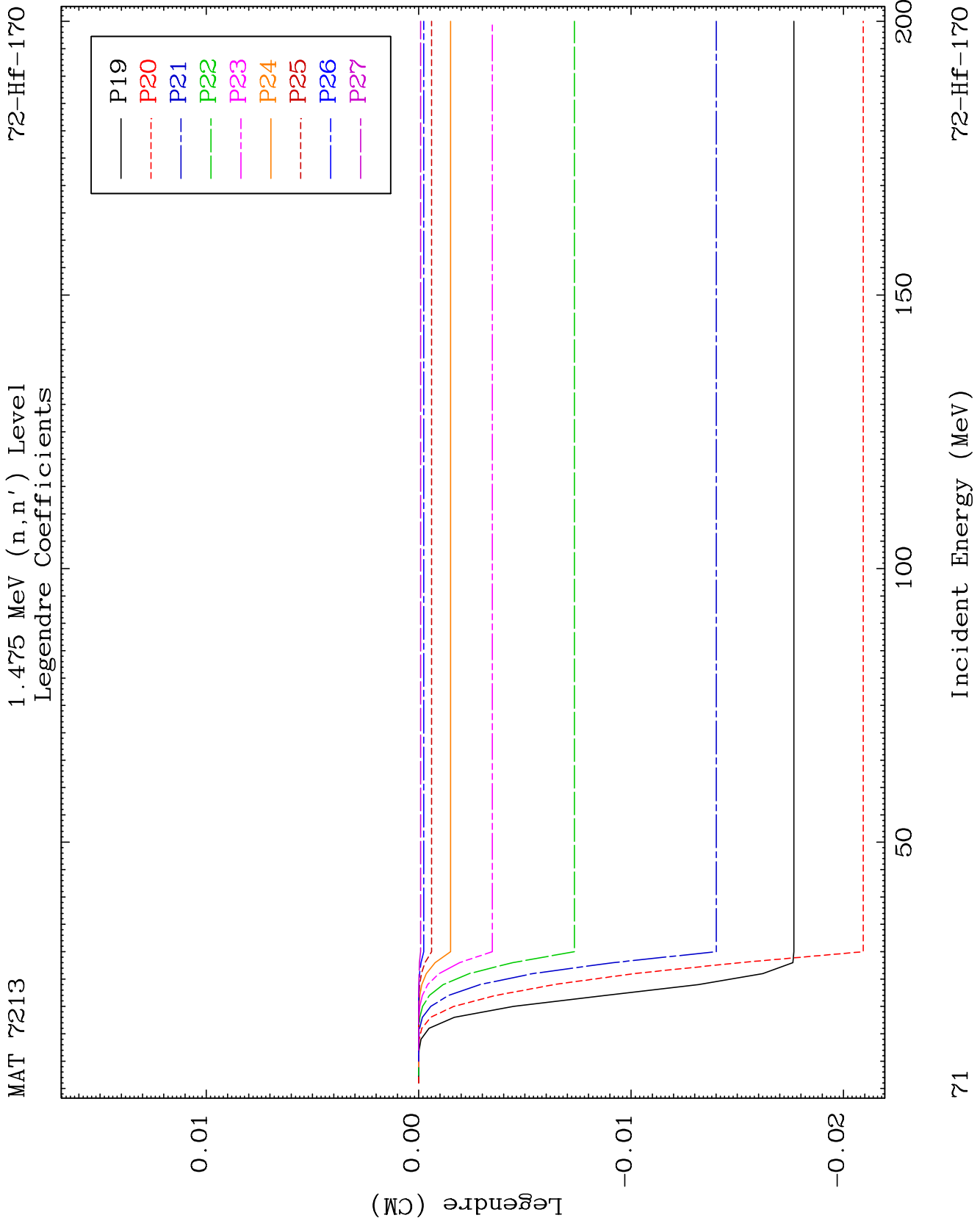
72-Hf-170



72-Hf-170

Incident Energy (MeV)

70



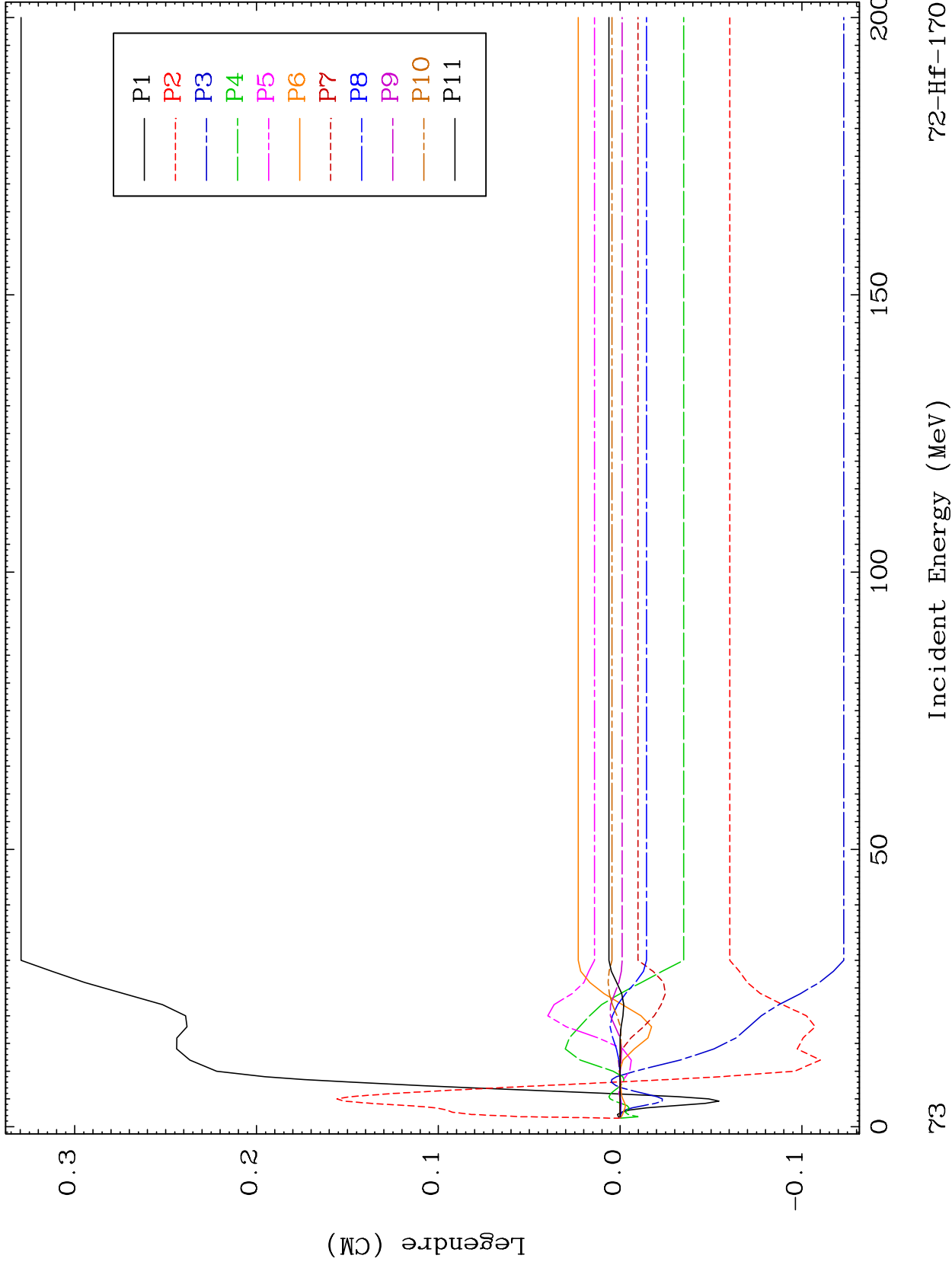




MAT 7213

1.505 MeV (n,n') Level  
Legendre Coefficients

72-Hf-170



72-Hf-170

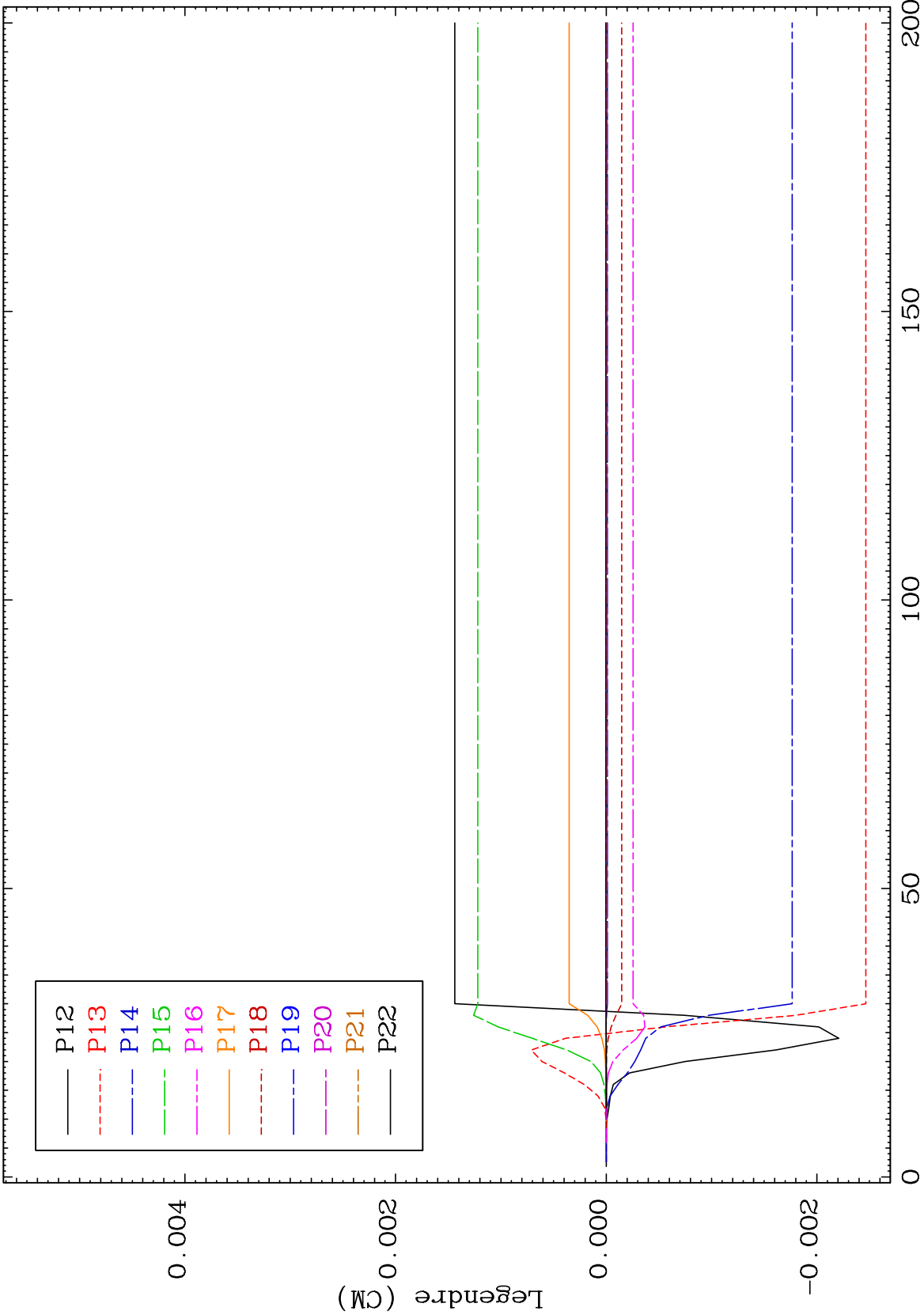
Incident Energy (MeV)

73

MAT 7213

1.505 MeV (n,n') Level  
Legendre Coefficients

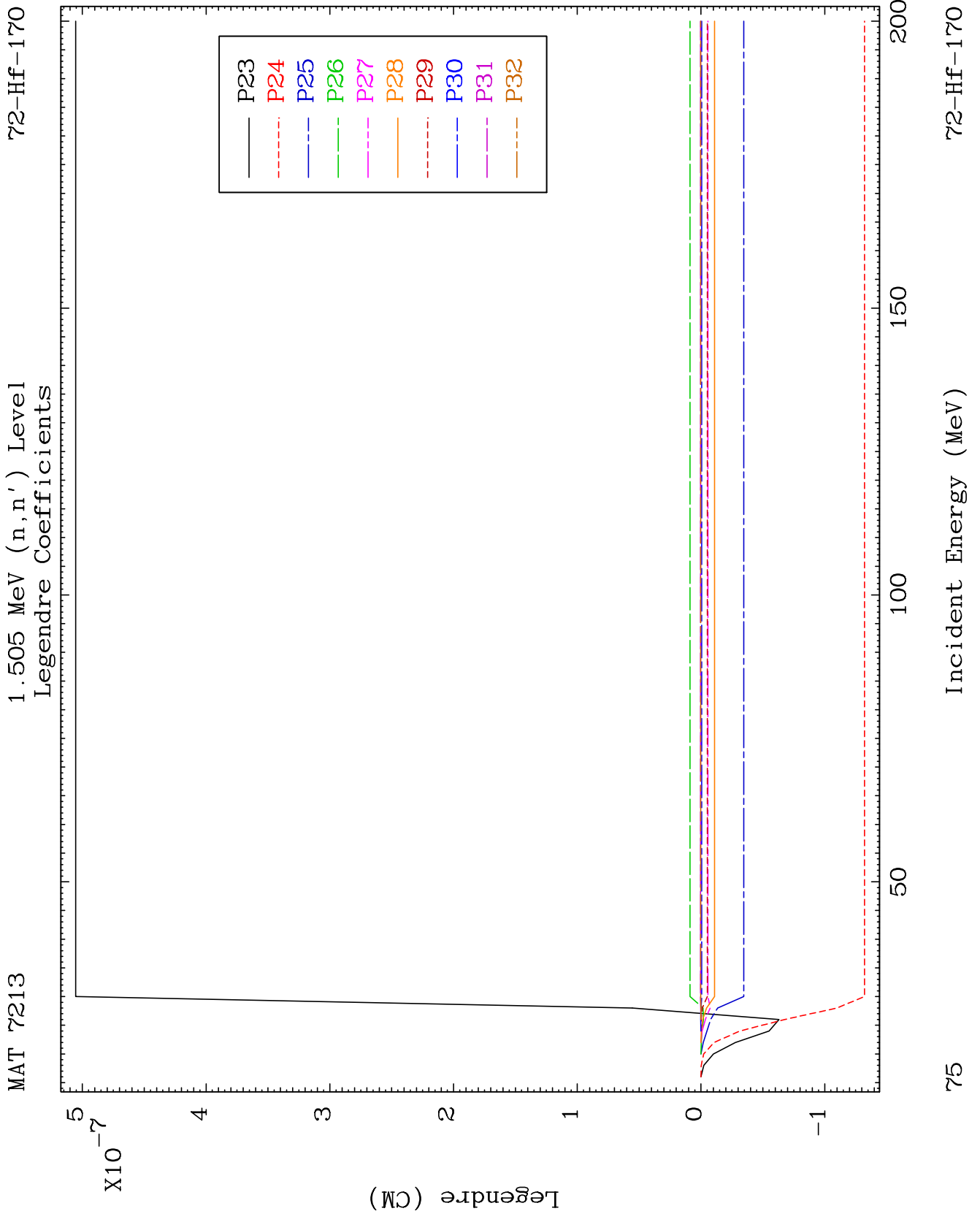
72-Hf-170

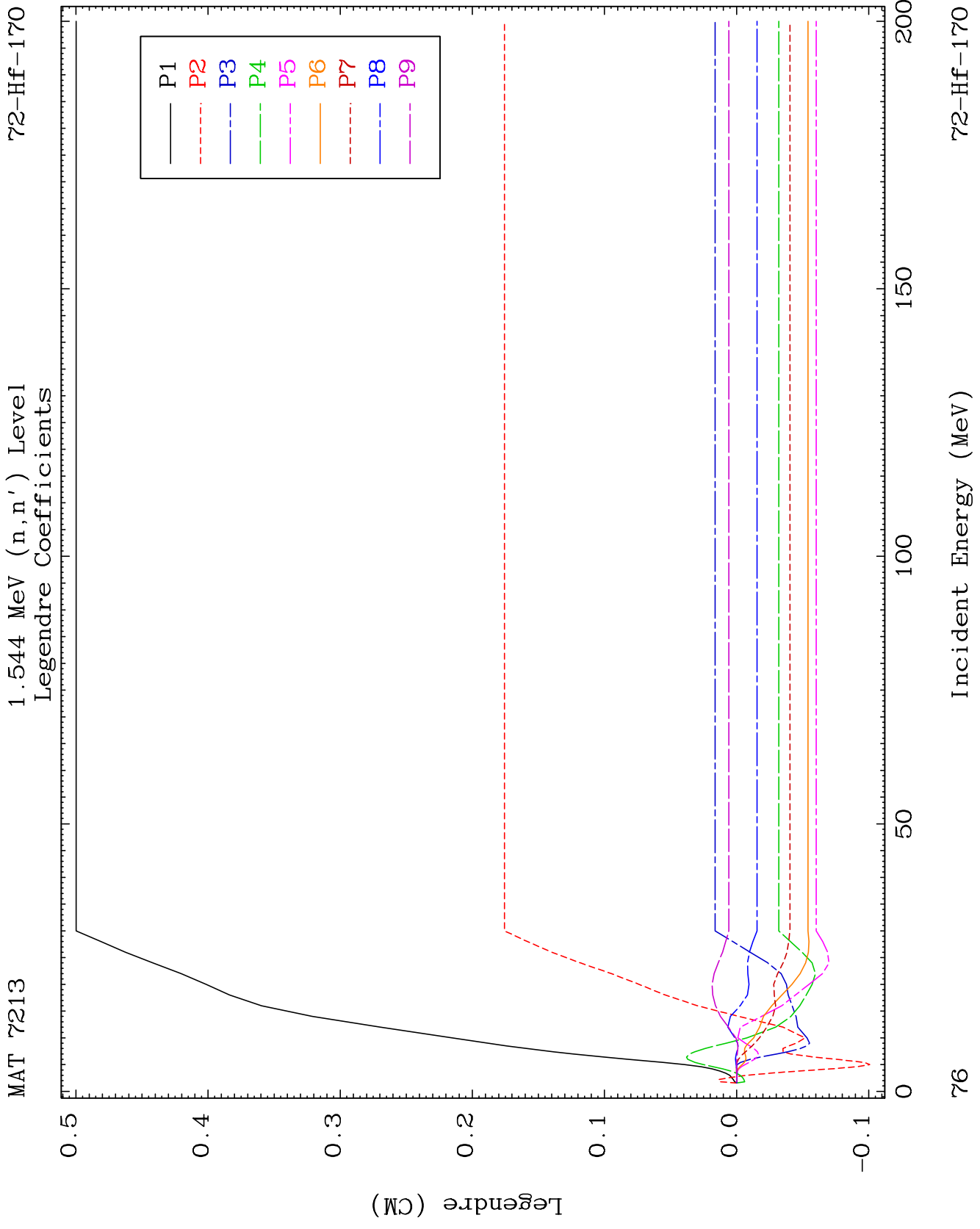


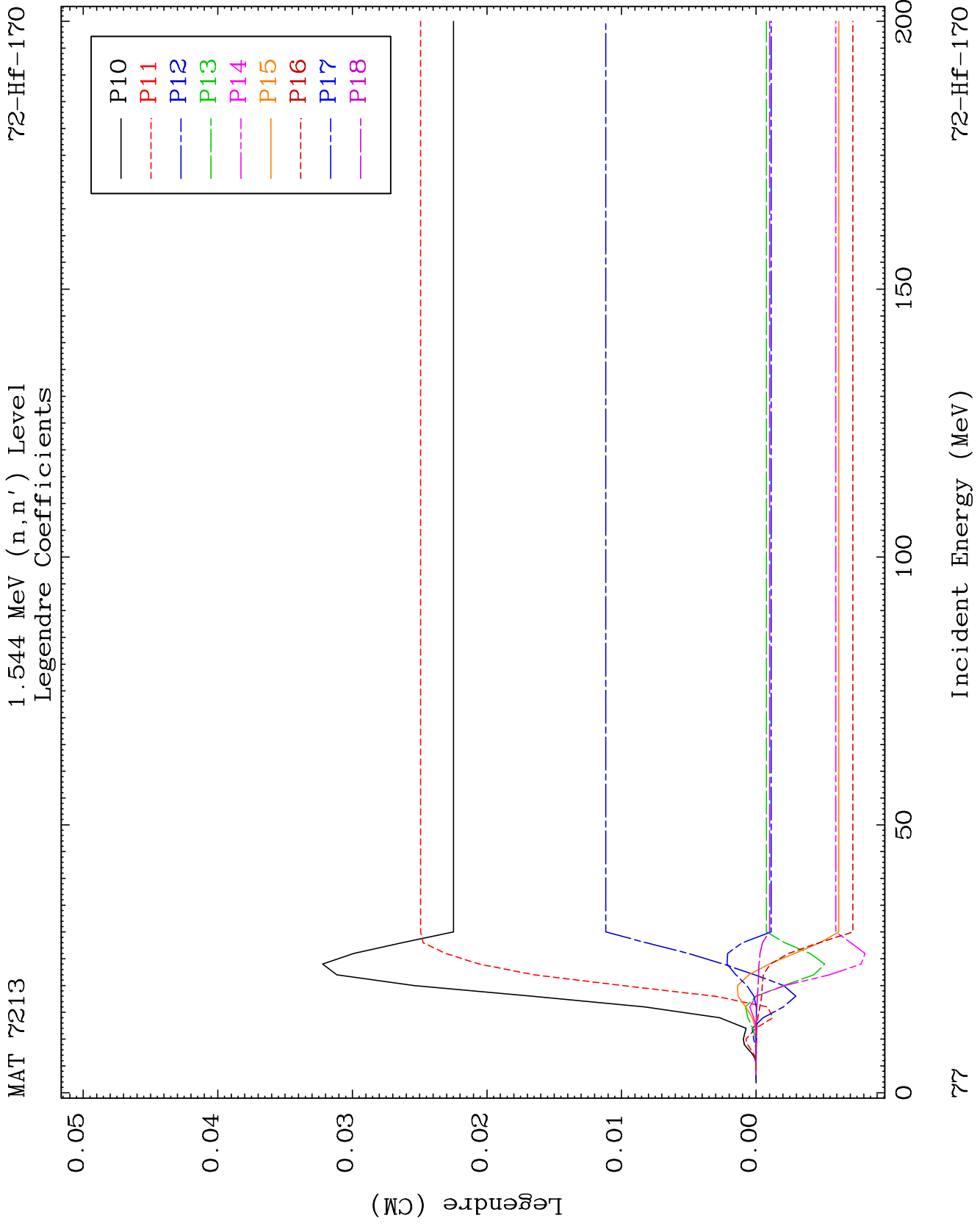
74

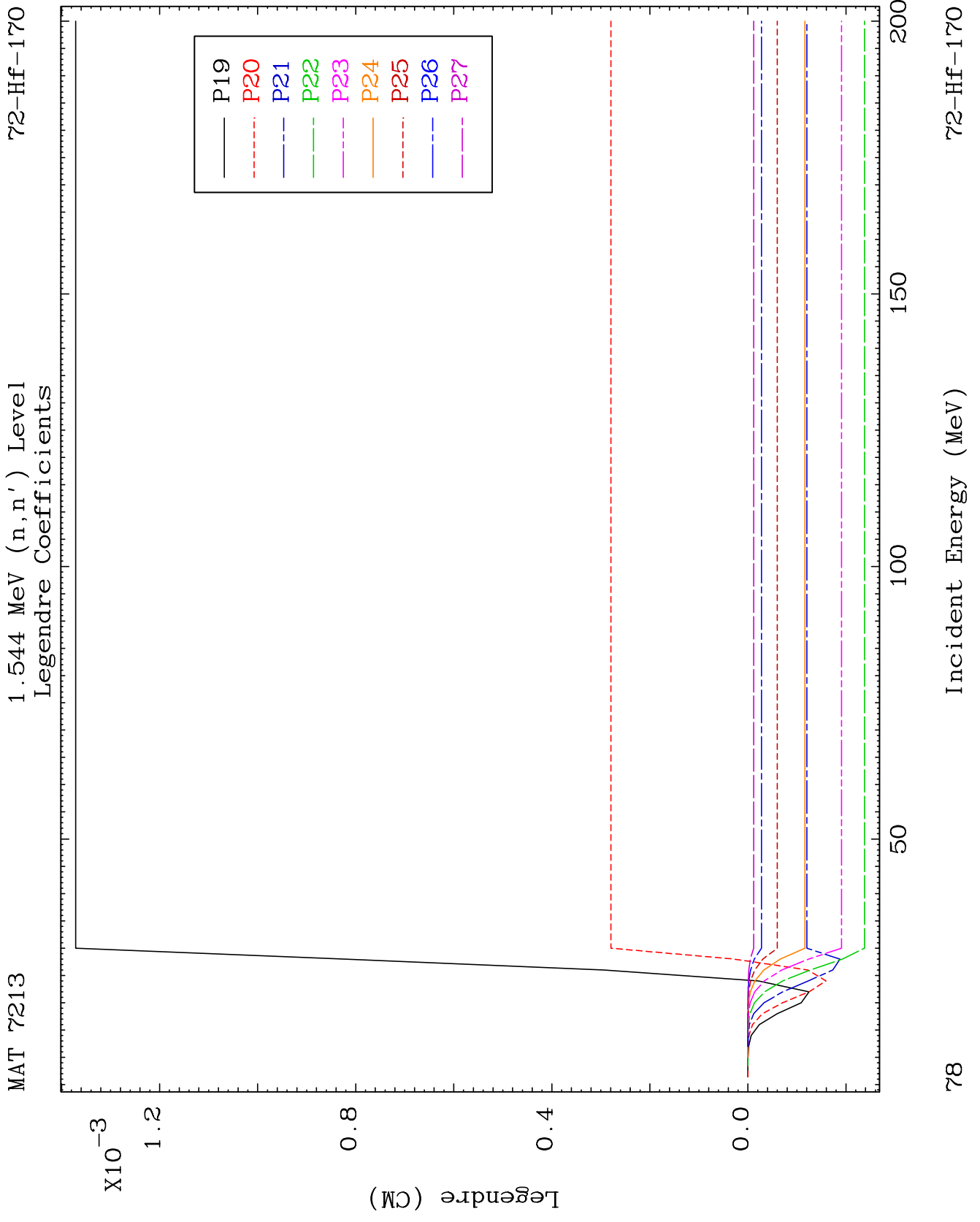
Incident Energy (MeV)

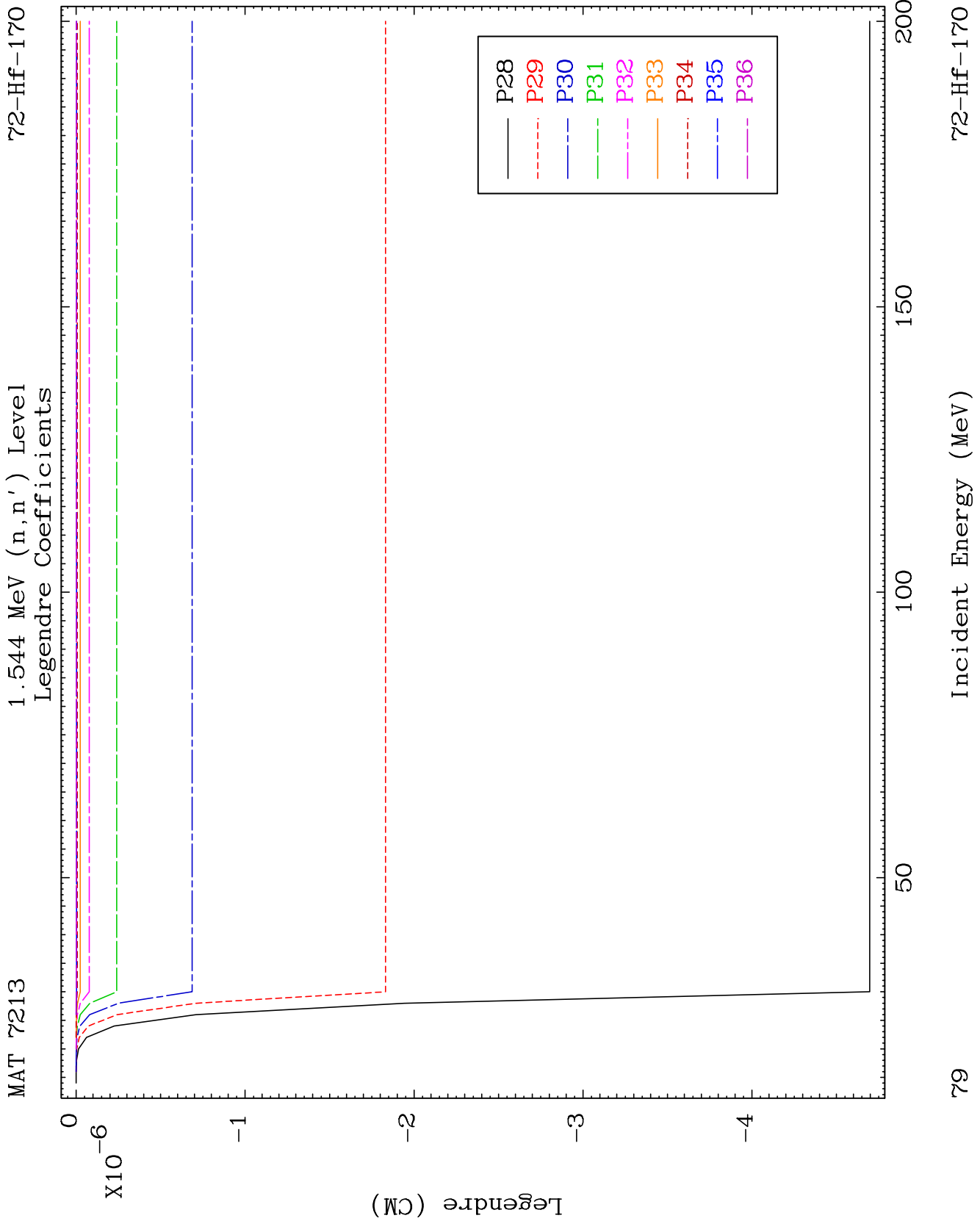
72-Hf-170











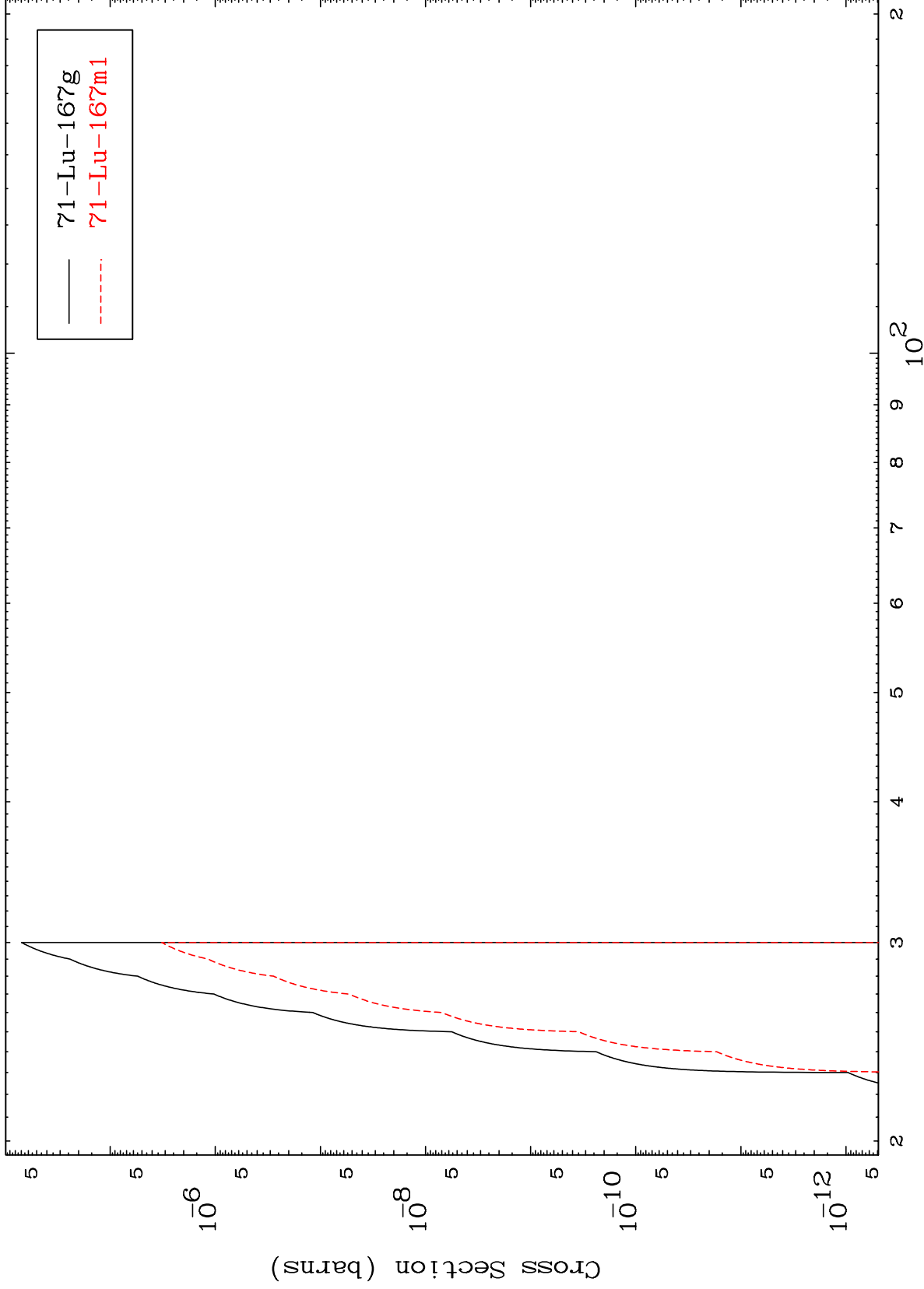


MAT 7213

(n,2n) d

72-Hf-170

Radionuclide Production Cross Section



80

Incident Energy (MeV)

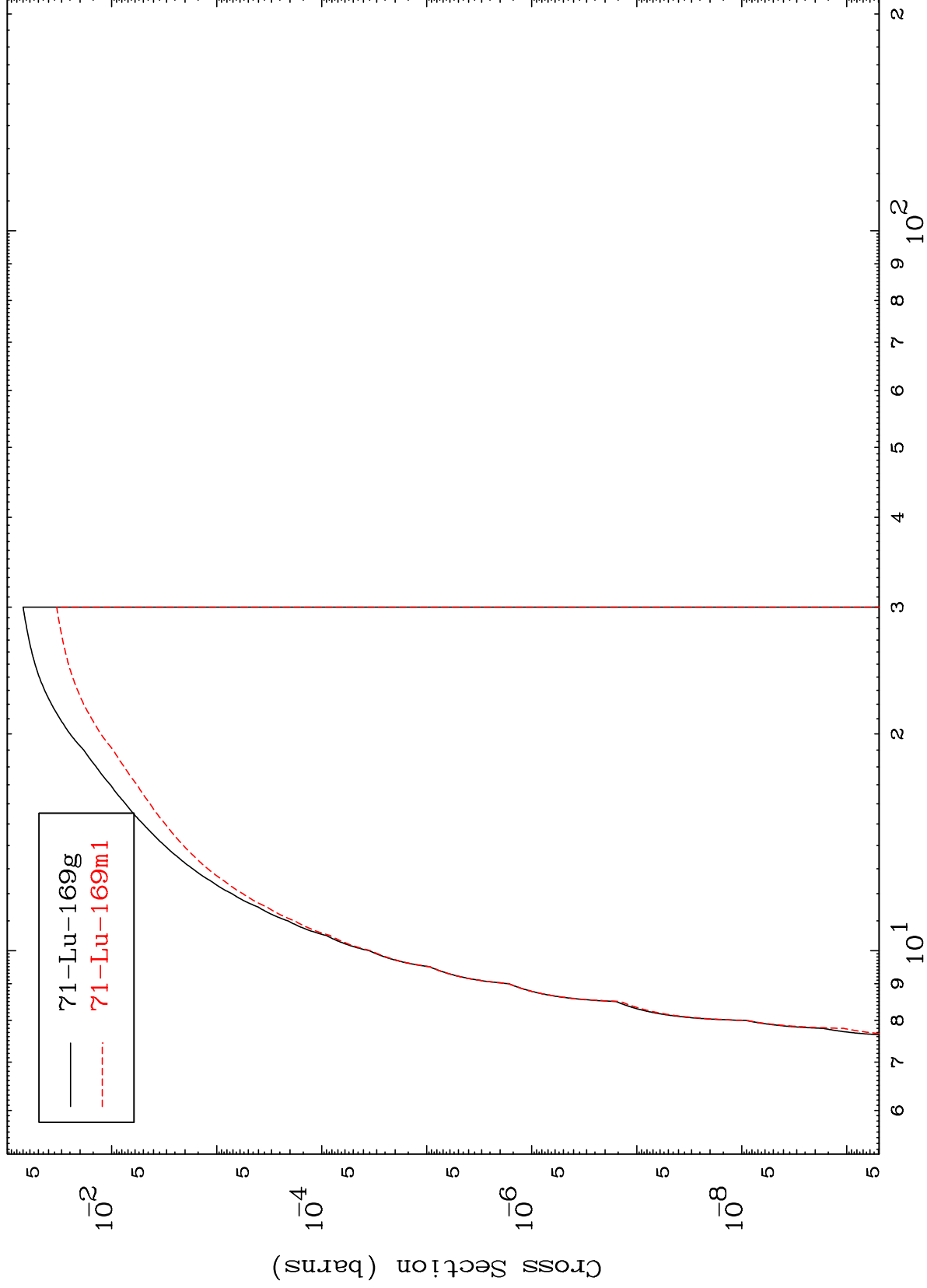
72-Hf-170

MAT 7213

(n,n') p

72-Hf-170

Radionuclide Production Cross Section

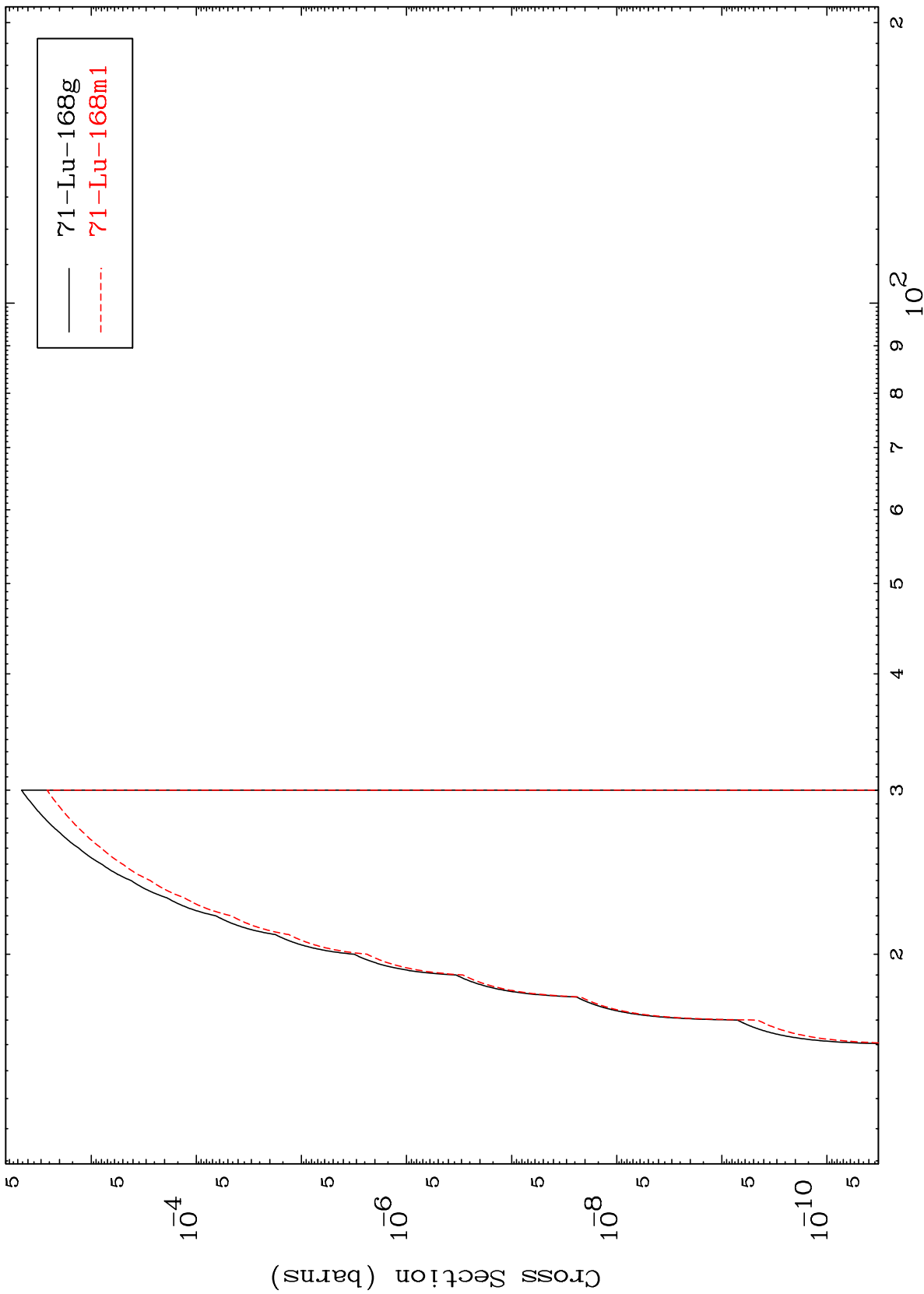


81

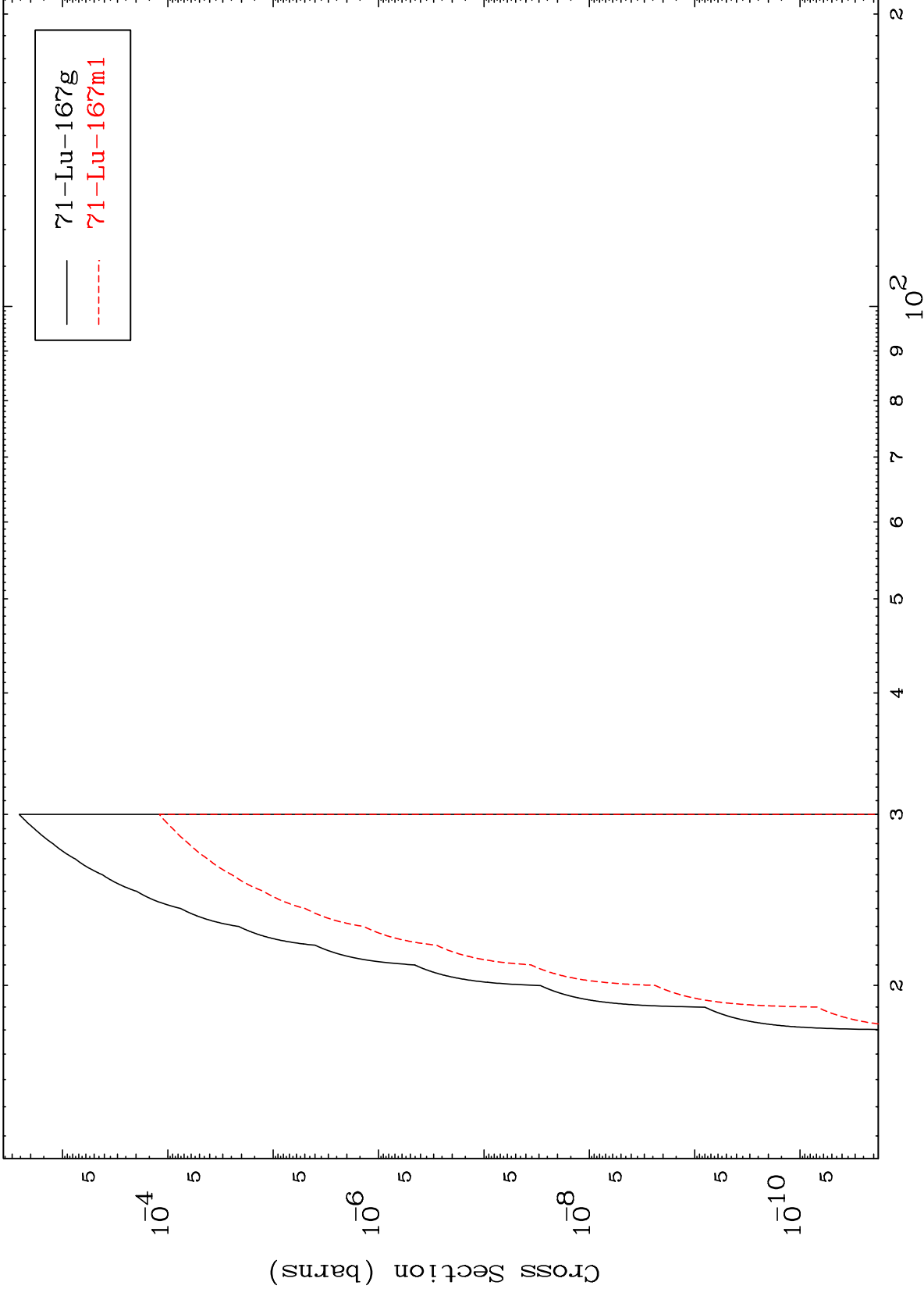
Incident Energy (MeV)

72-Hf-170

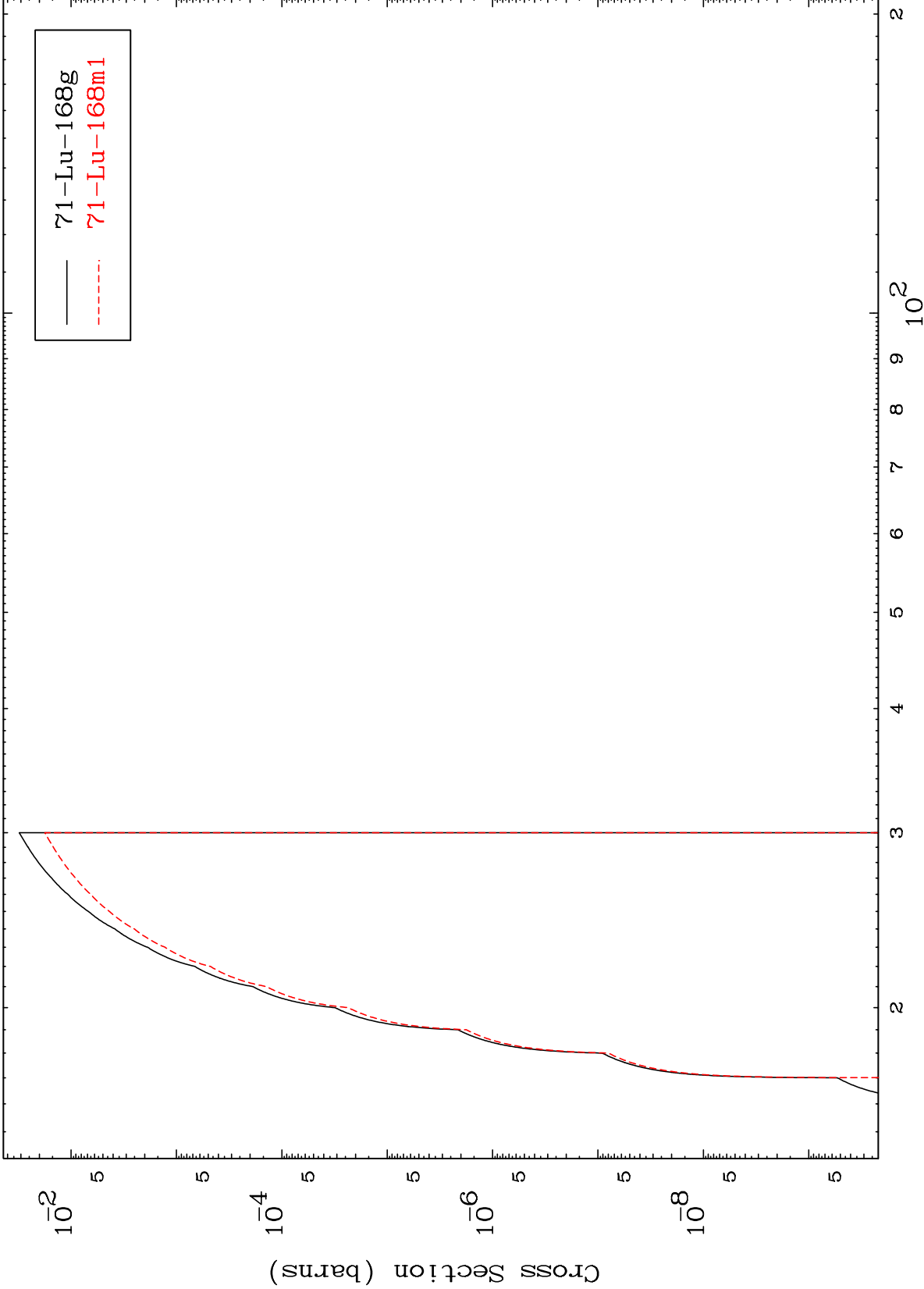
Radionuclide Production Cross Section



Radionuclide Production Cross Section

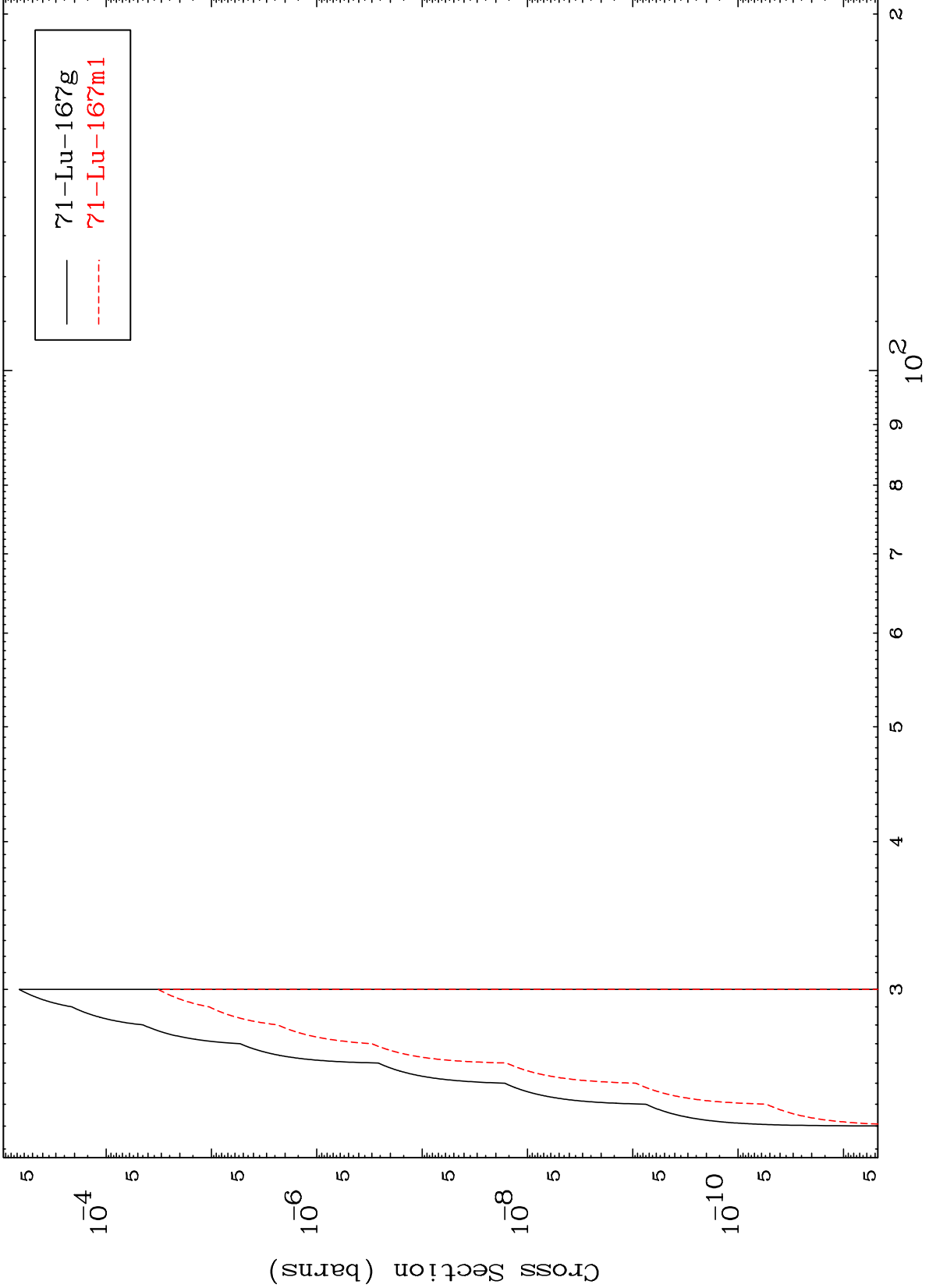


Radionuclide Production Cross Section



71-Lu-168g  
71-Lu-168m1

Radionuclide Production Cross Section



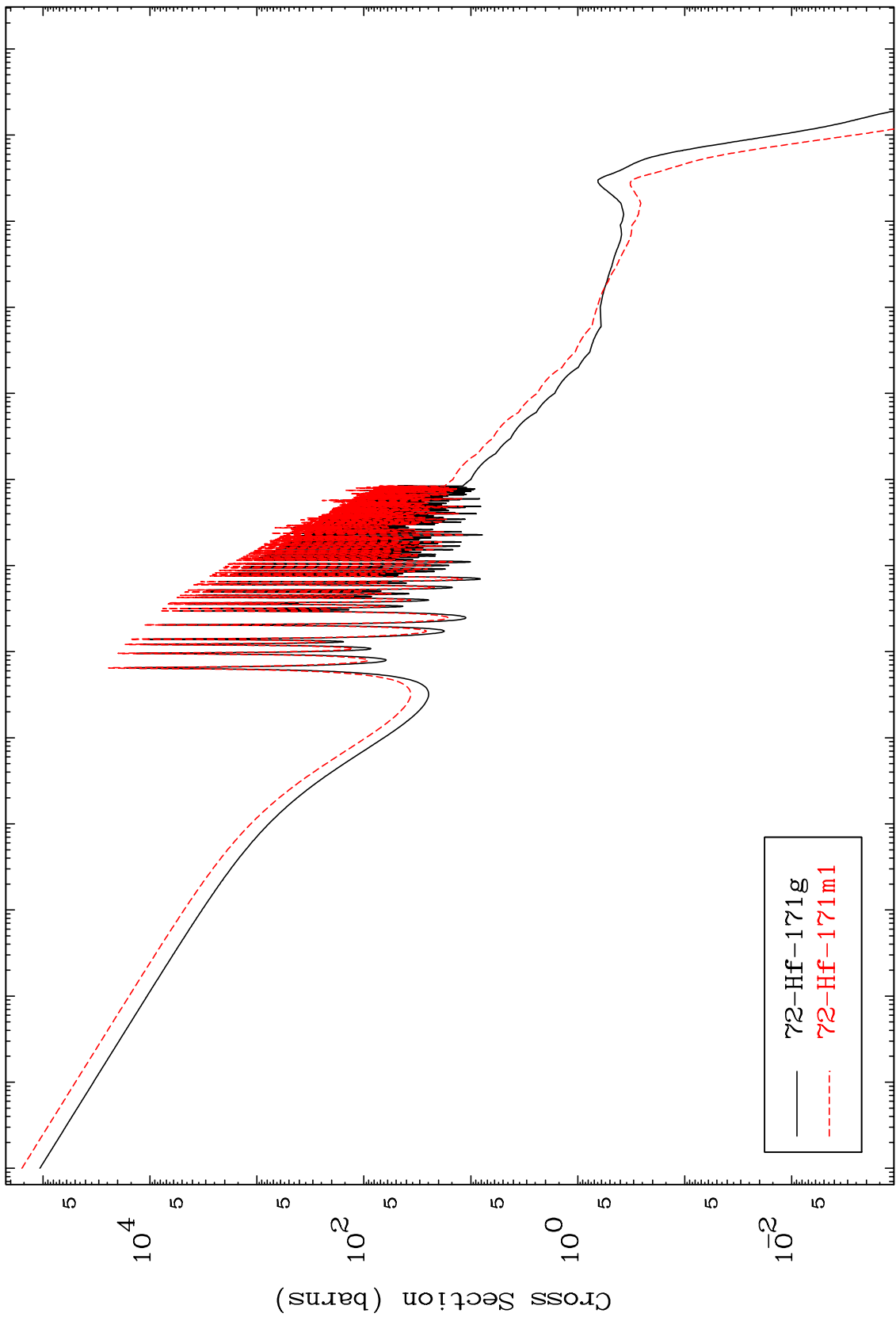
71-Lu-167g  
71-Lu-167m1

MAT 7213

<sup>72</sup>Hf-170

Radionuclide Production Cross Section

(n,γ)



— 72-Hf-171g  
- - - 72-Hf-171m1

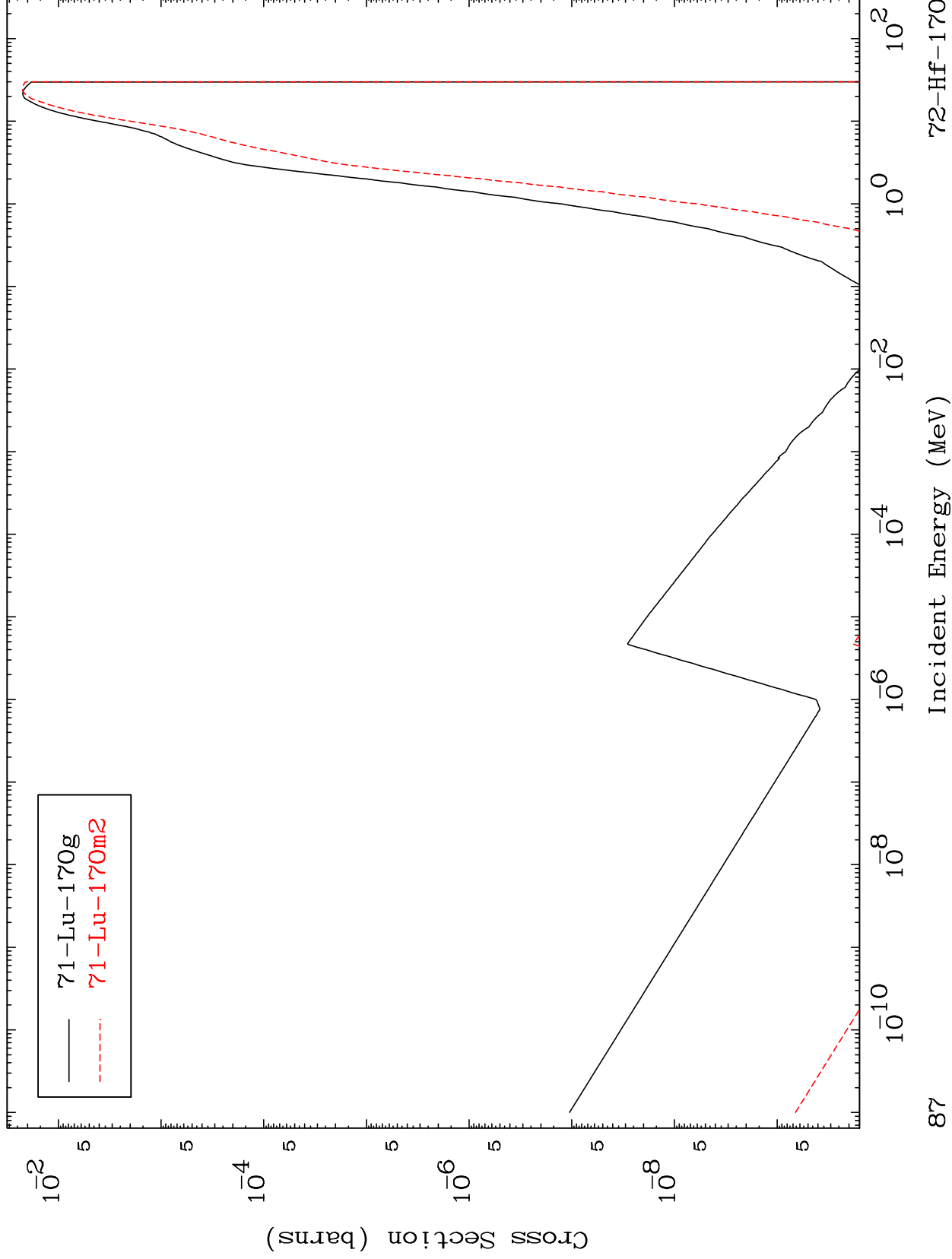
10<sup>-10</sup> 10<sup>-8</sup> 10<sup>-6</sup> 10<sup>-4</sup> 10<sup>-2</sup> 10<sup>0</sup> 10<sup>2</sup>  
Incident Energy (MeV) <sup>72</sup>Hf-170

MAT 7213

(n,p)

<sup>72</sup>Hf-170

Radionuclide Production Cross Section

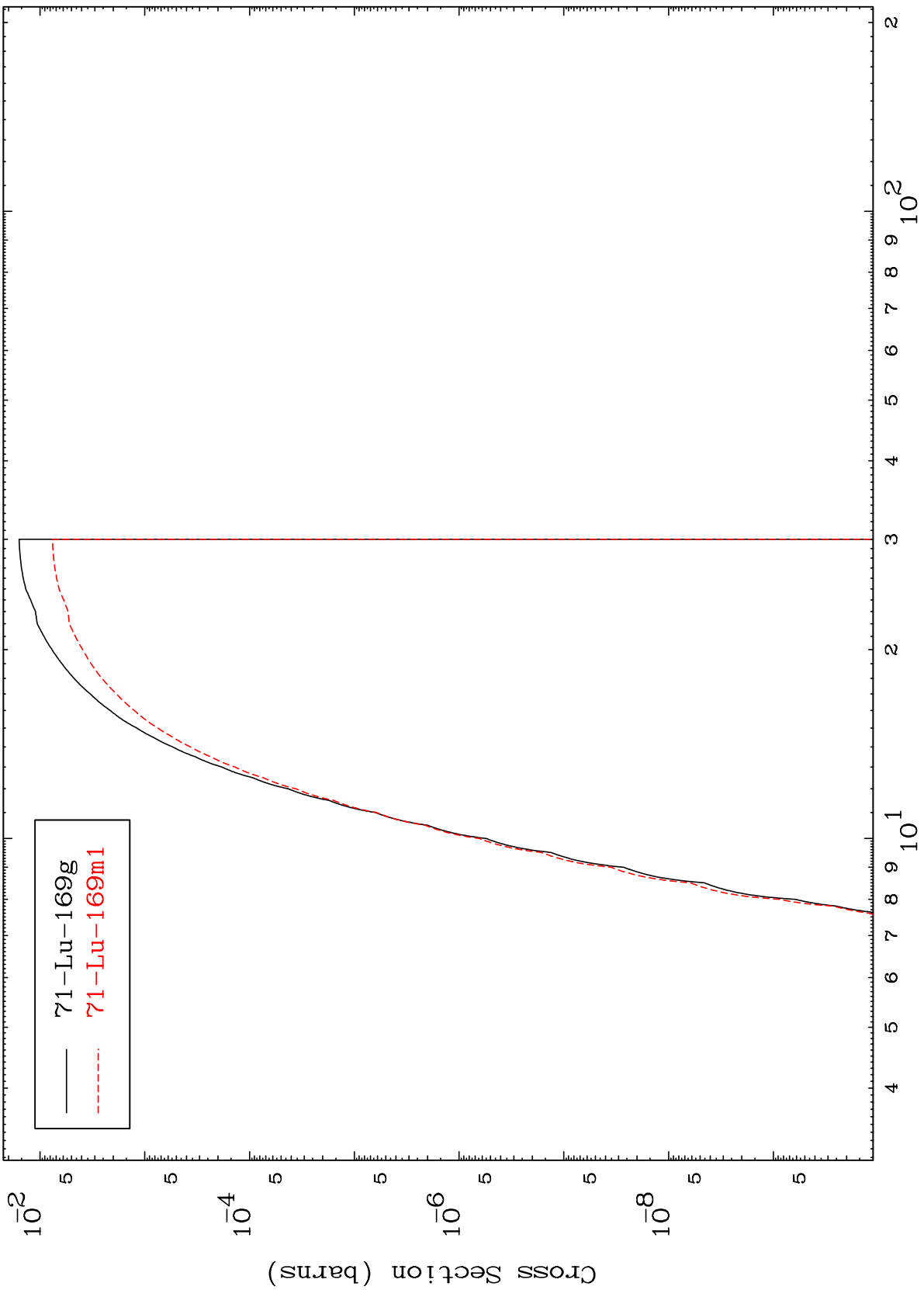




MAT 7213

72-Hf-170

(n,d)  
Radionuclide Production Cross Section



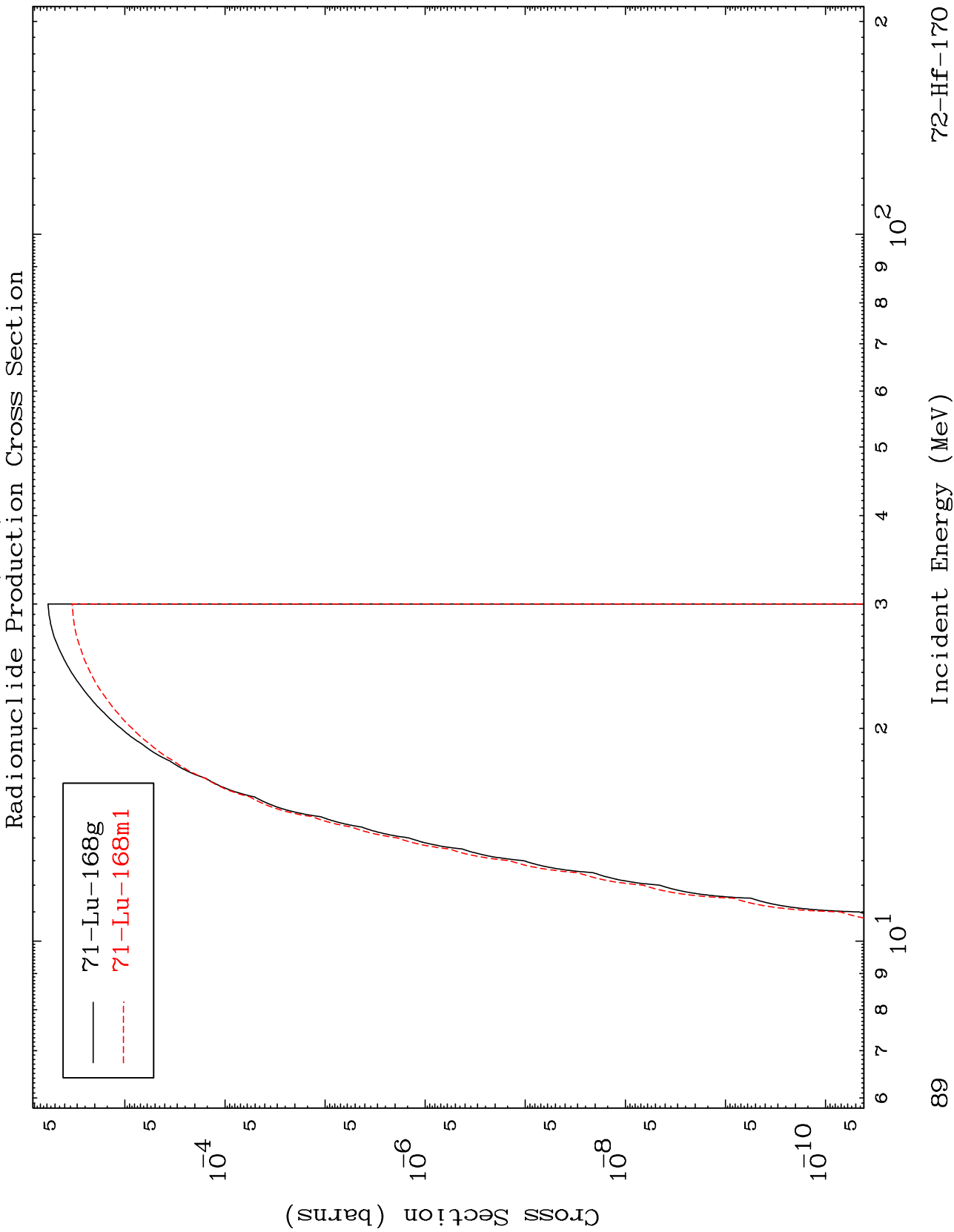
88

Incident Energy (MeV)

72-Hf-170

MAT 7213

72-Hf-170



89

