

Program EVALPLOT  
(Version 2015-2)

by

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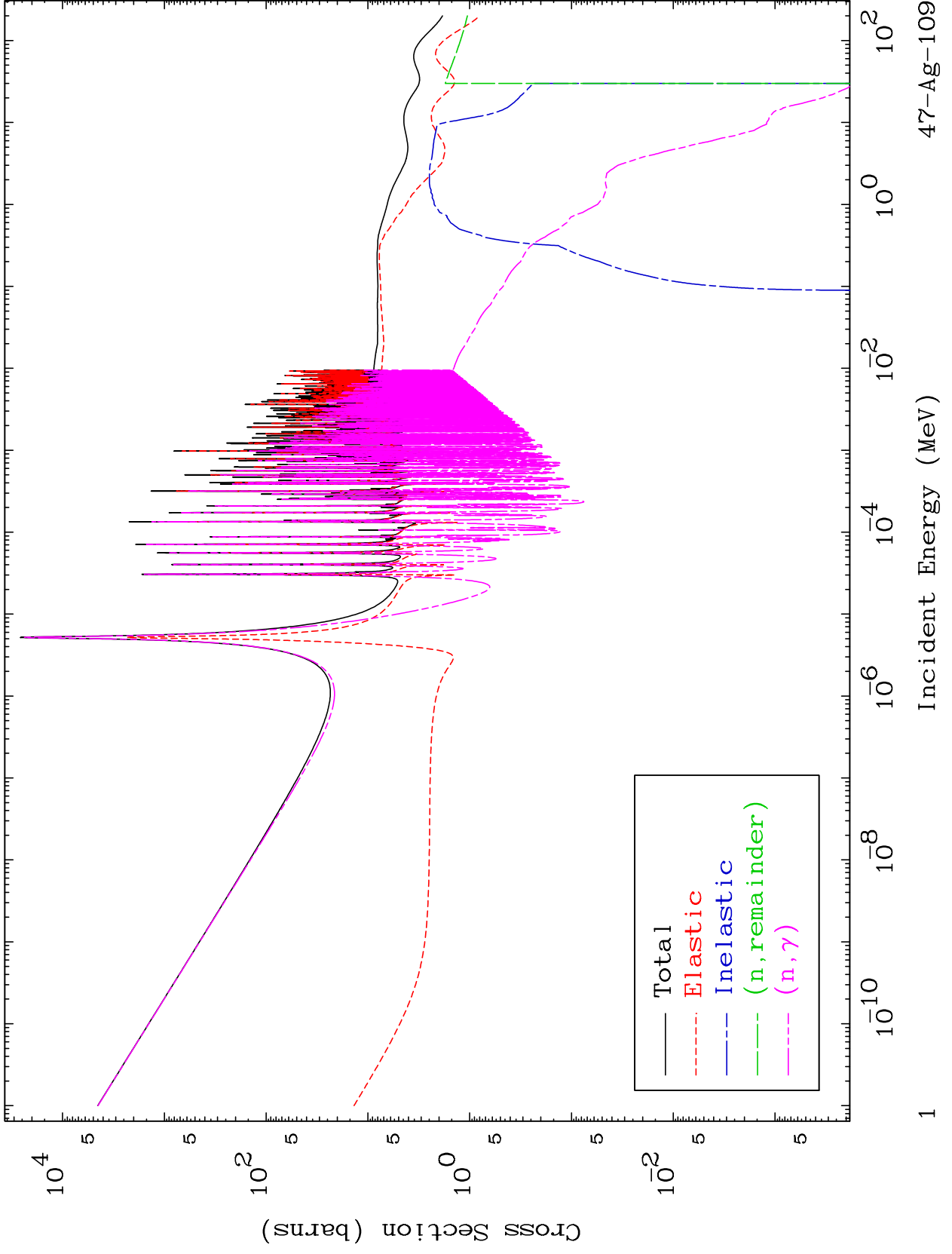
Press Mouse Button to Start

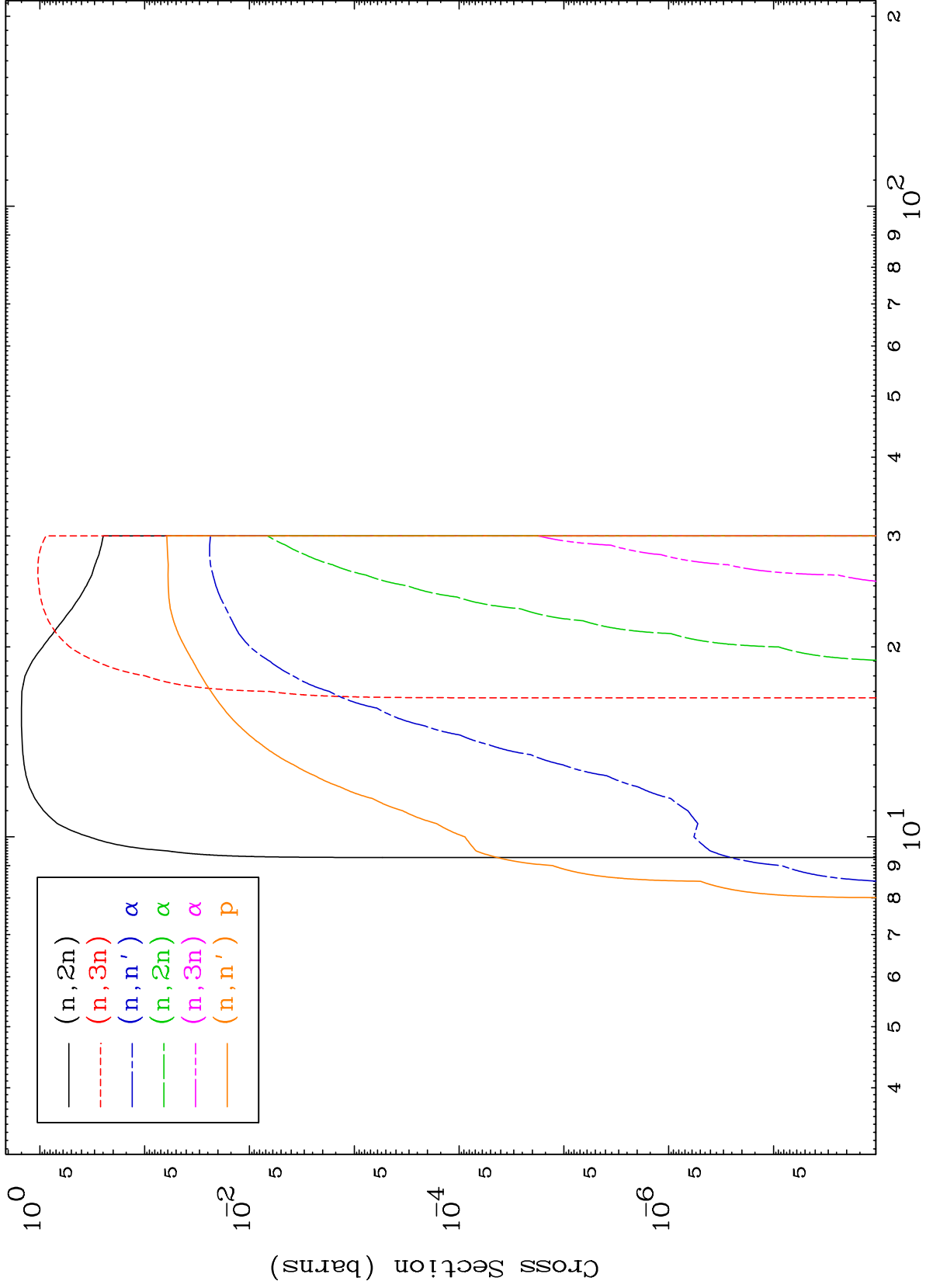
MAT 4731

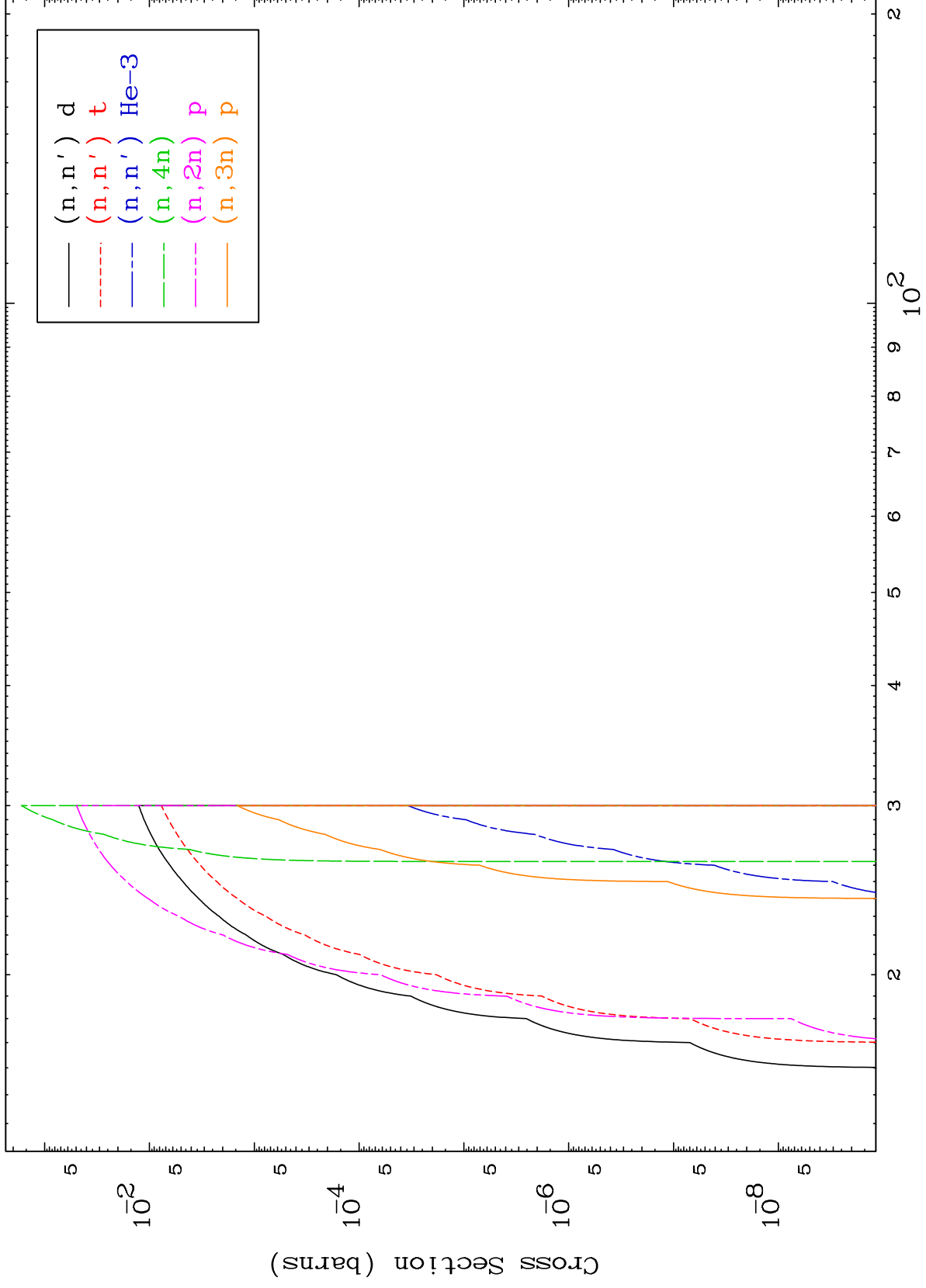
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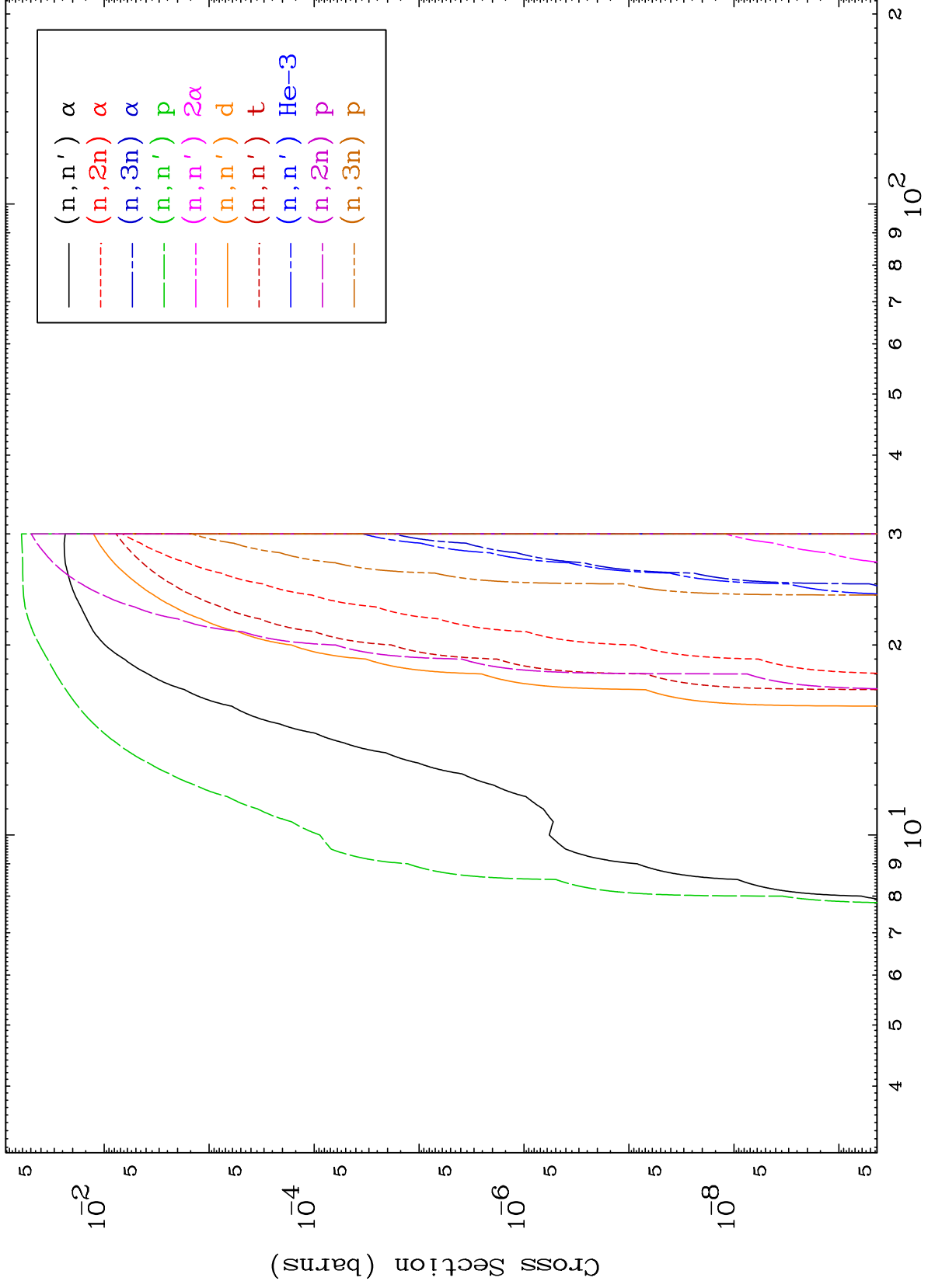
293 Kelvin Cross Sections

47-Ag-109





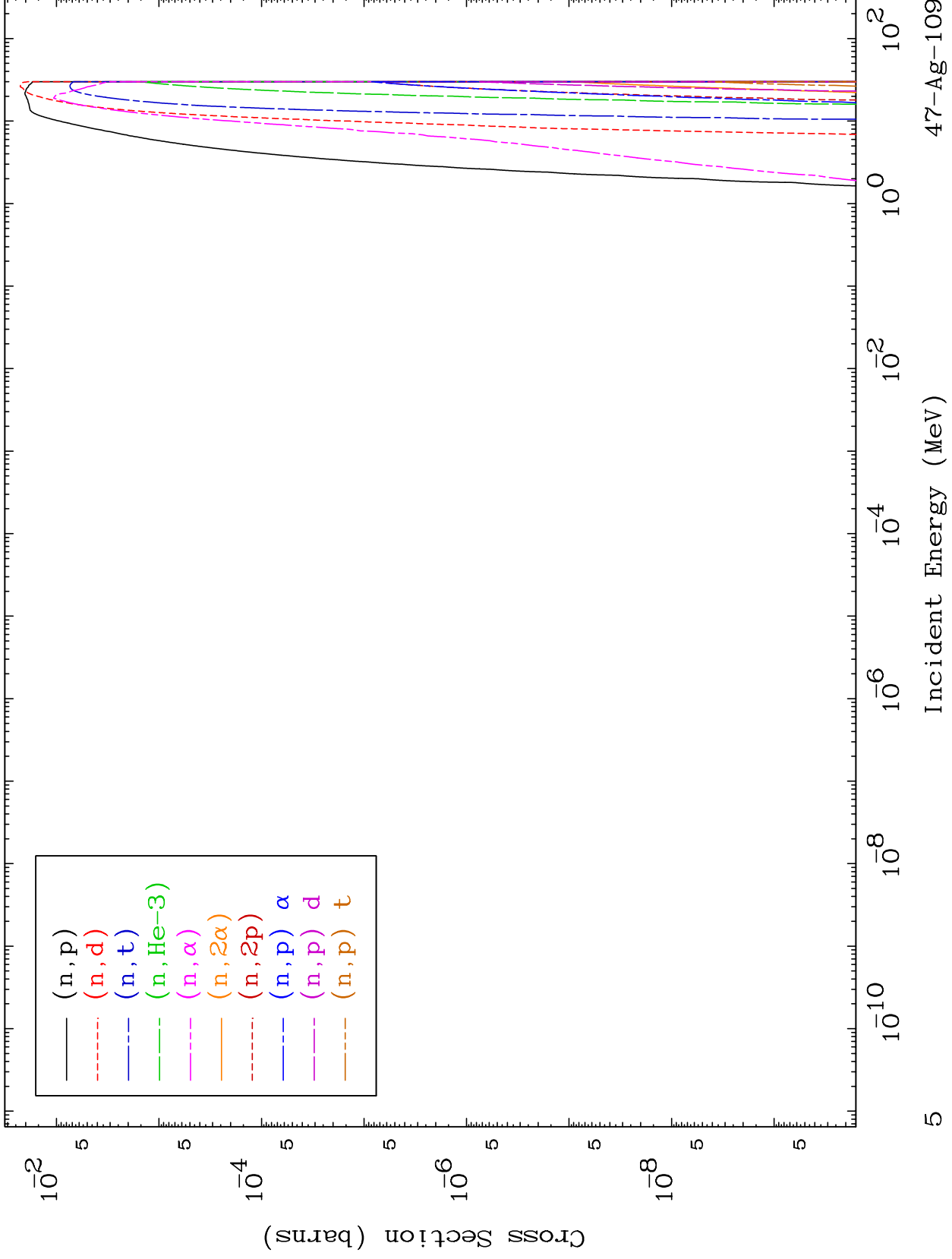


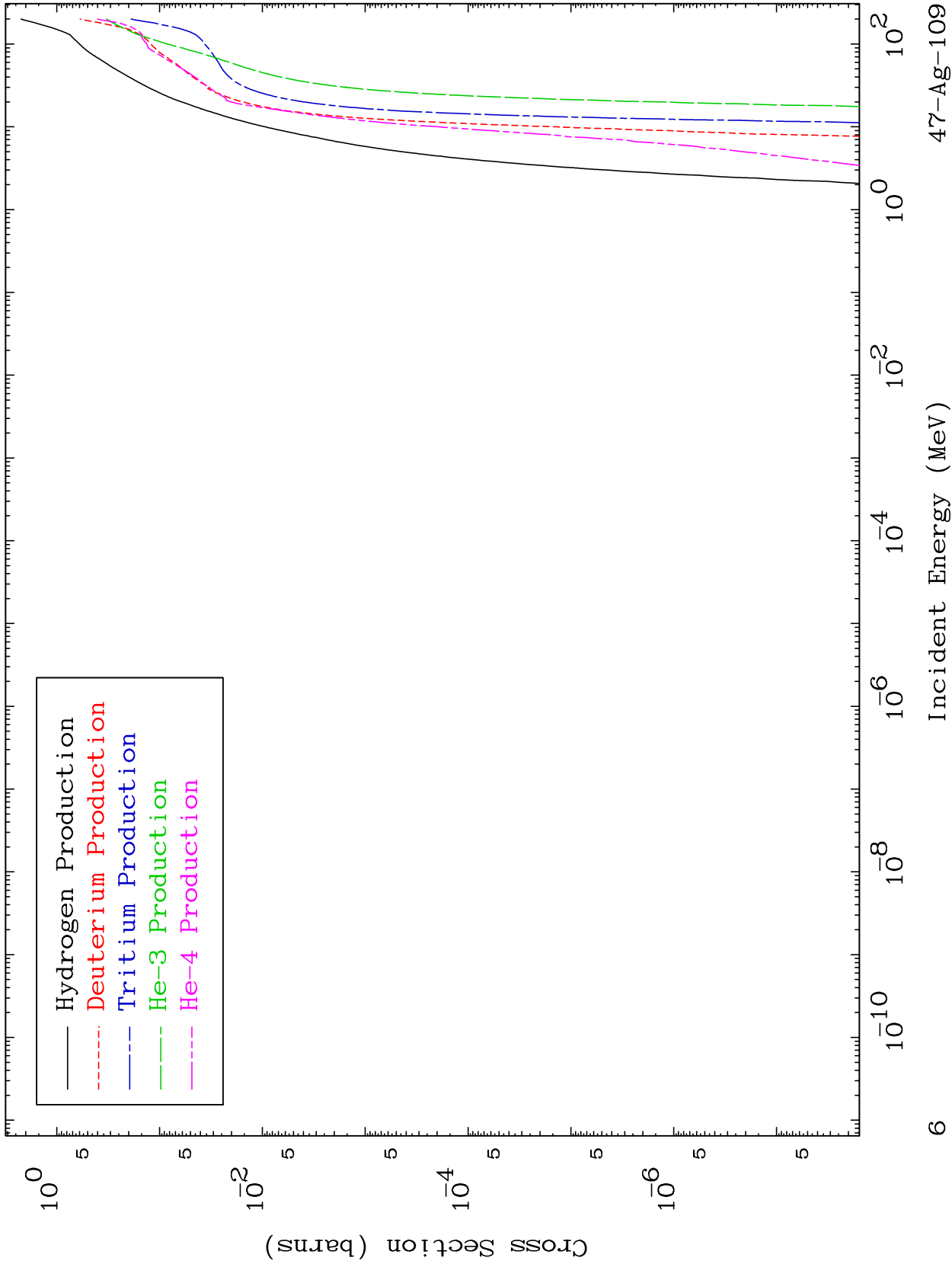


MAT 4731

Charged Particle  
293 Kelvin Cross Sections

47-Ag-109

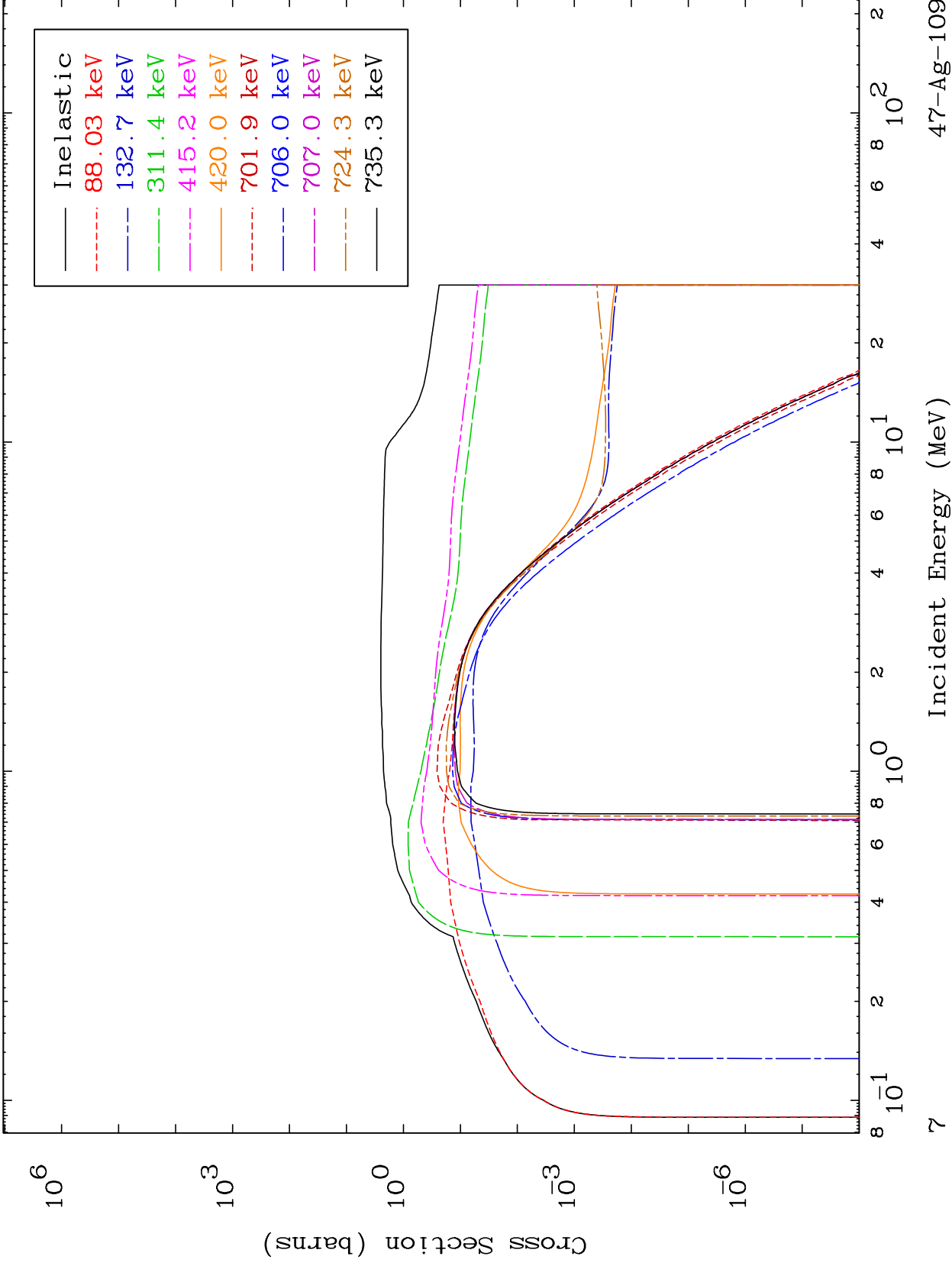




MAT 4731

(n,n') Level  
293 Kelvin Cross Sections

47-Ag-109



47-Ag-109

Incident Energy (MeV)

7

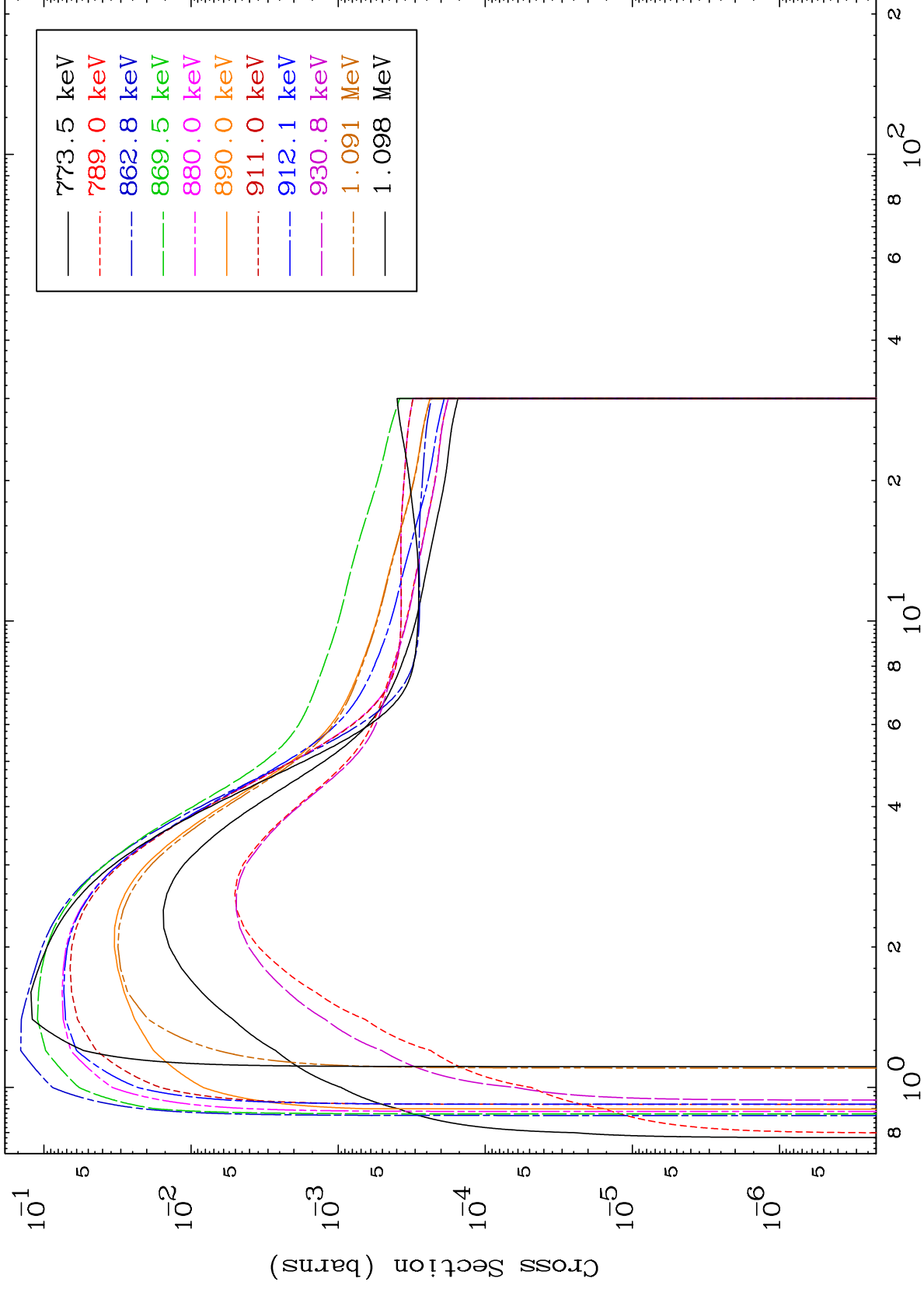


MAT 4731

(n,n') Level

47-Ag-109

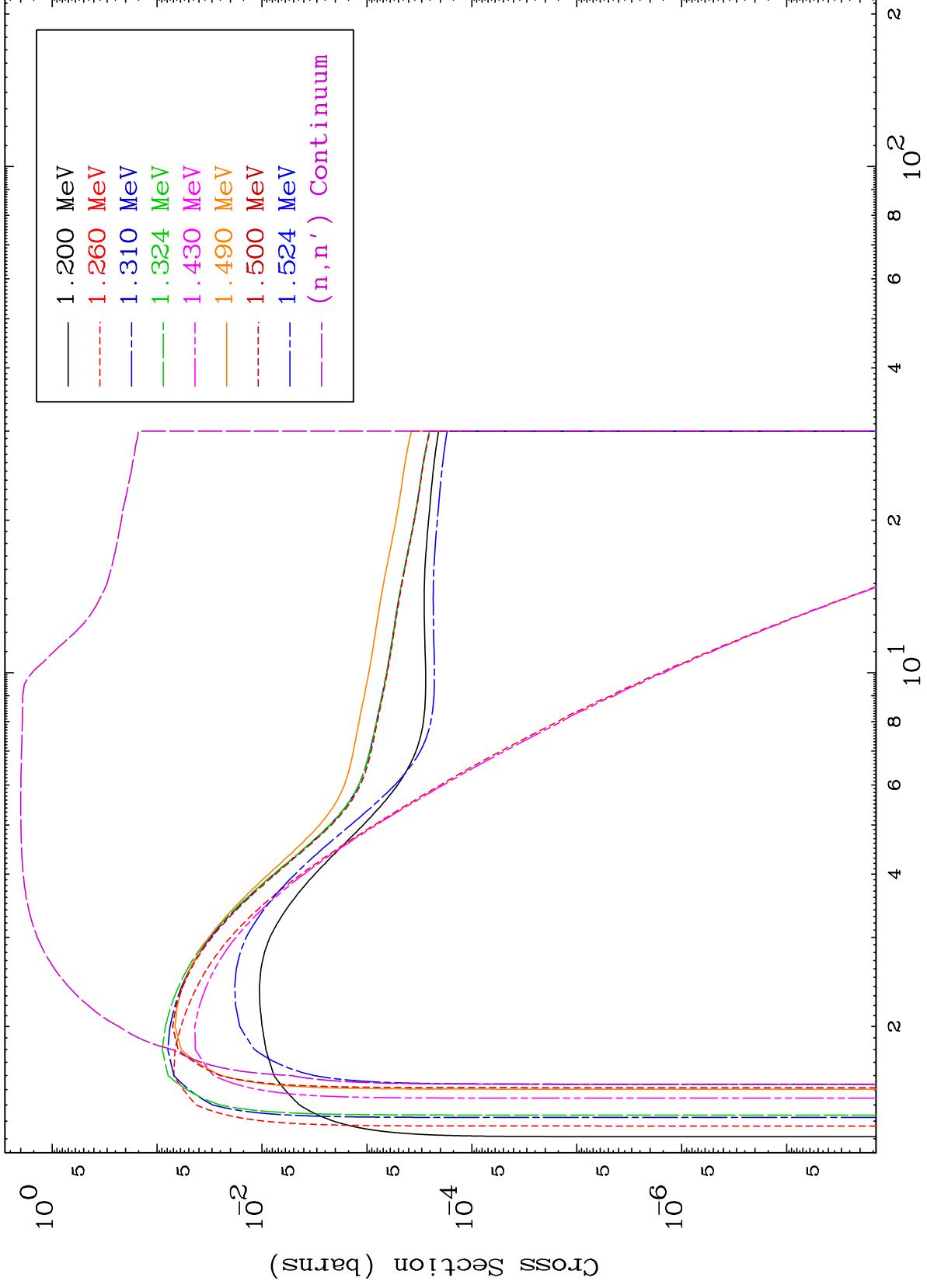
293 Kelvin Cross Sections



Incident Energy (MeV)

47-Ag-109

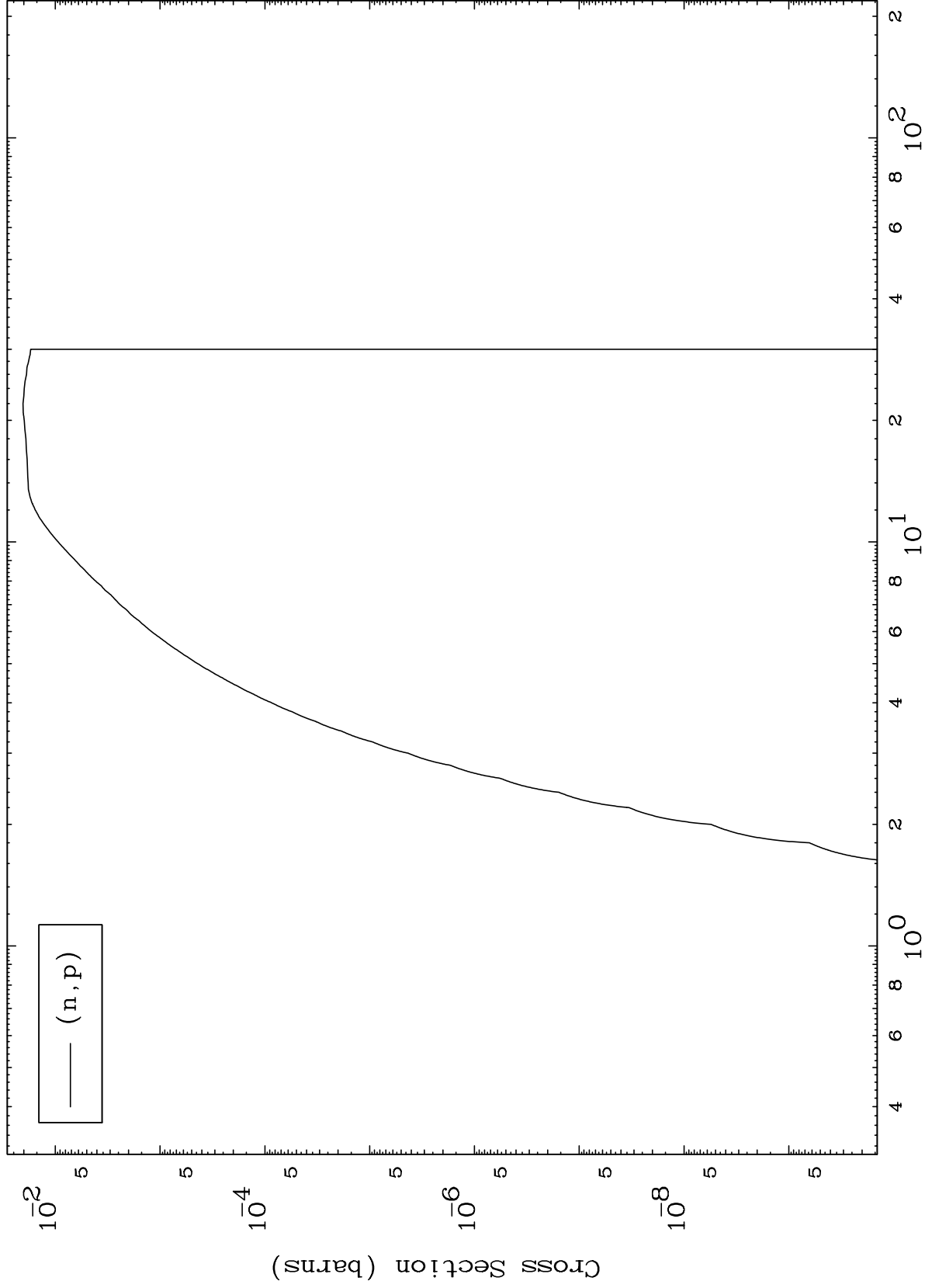
293 Kelvin Cross Sections



MAT 4731

(n,p) Levels  
293 Kelvin Cross Sections

47-Ag-109



10

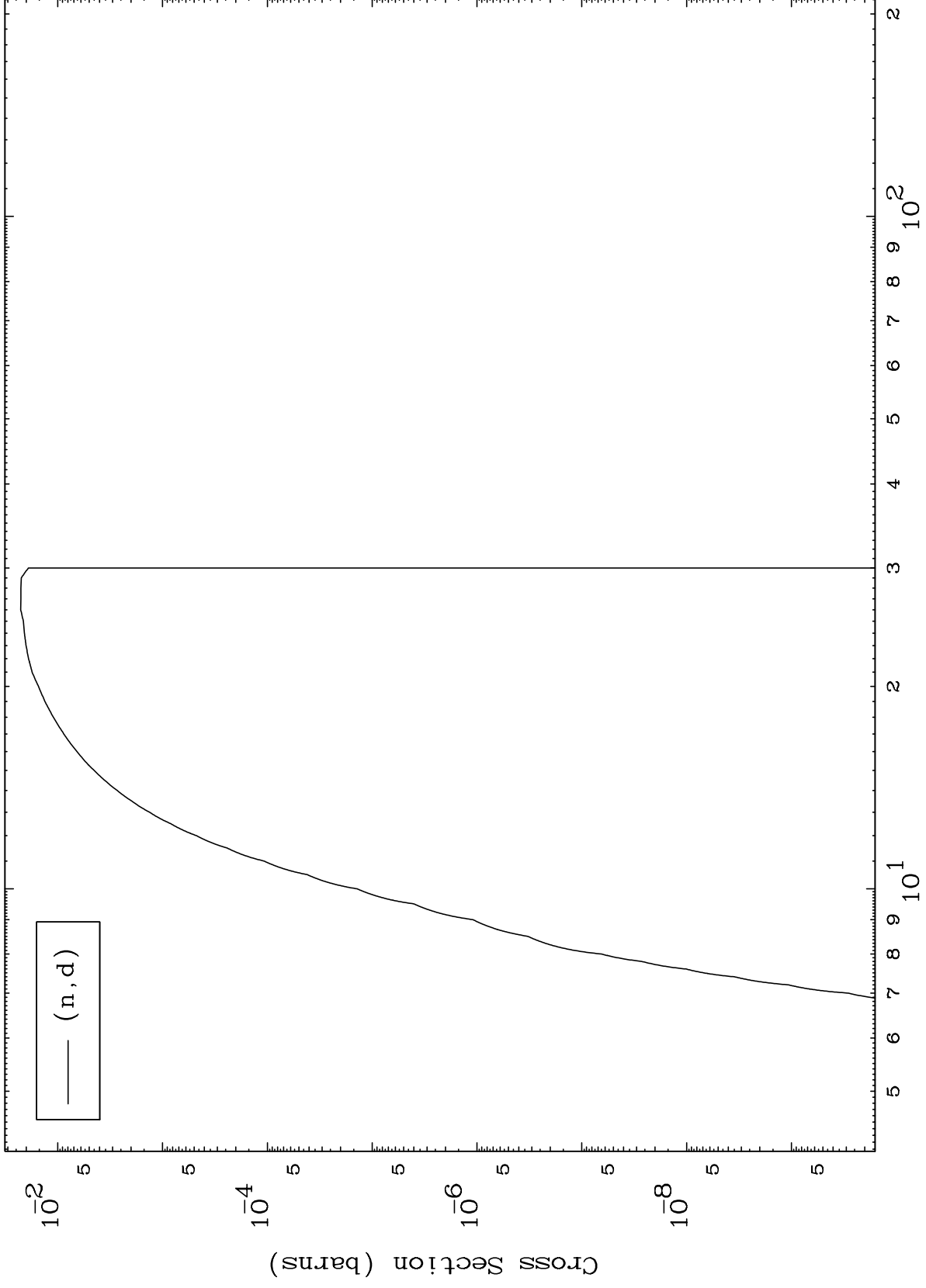
Incident Energy (MeV)

47-Ag-109

MAT 4731

(n,d) Levels  
293 Kelvin Cross Sections

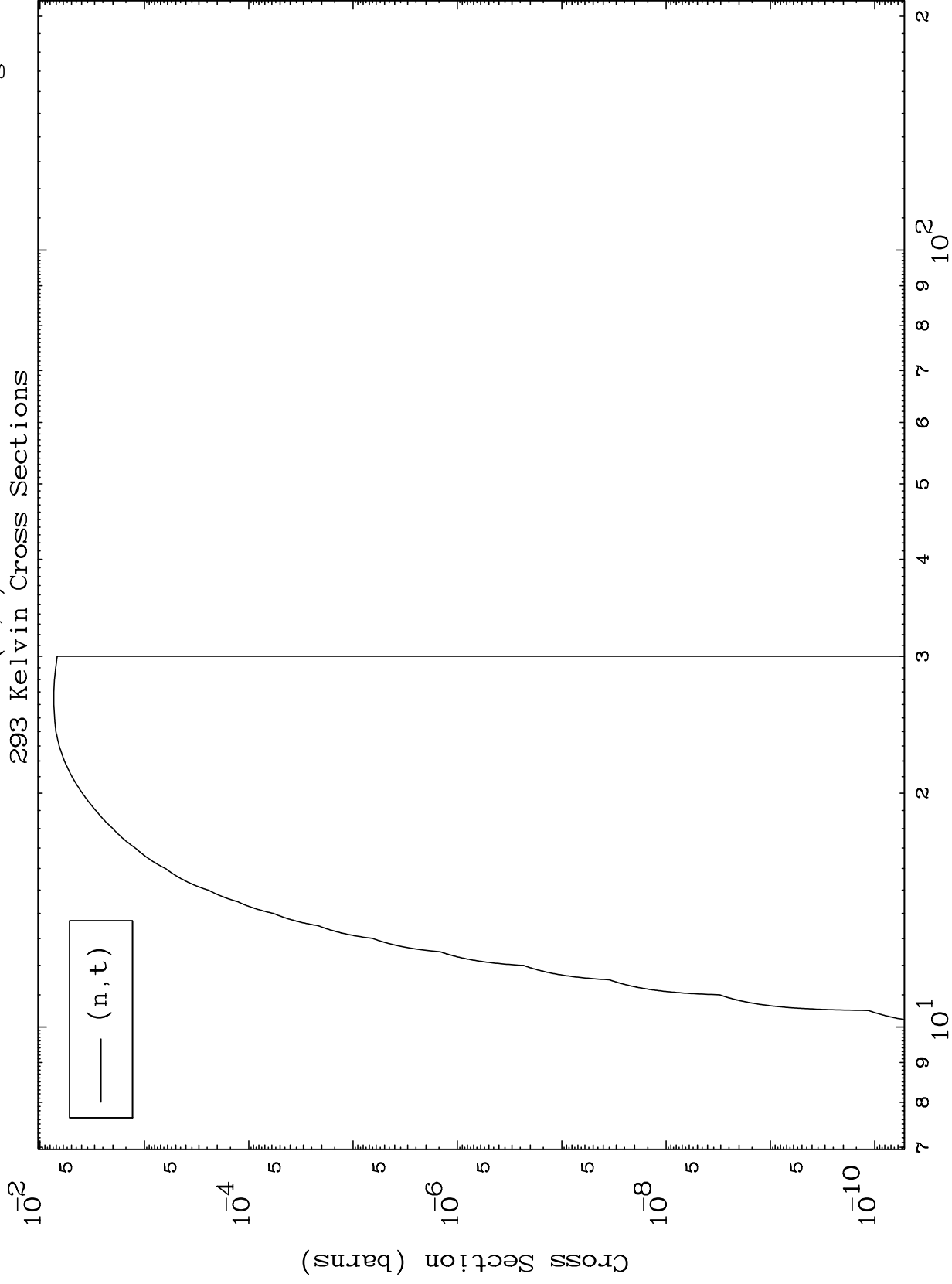
47-Ag-109



MAT 4731

(n,t) Levels  
293 Kelvin Cross Sections

47-Ag-109



12

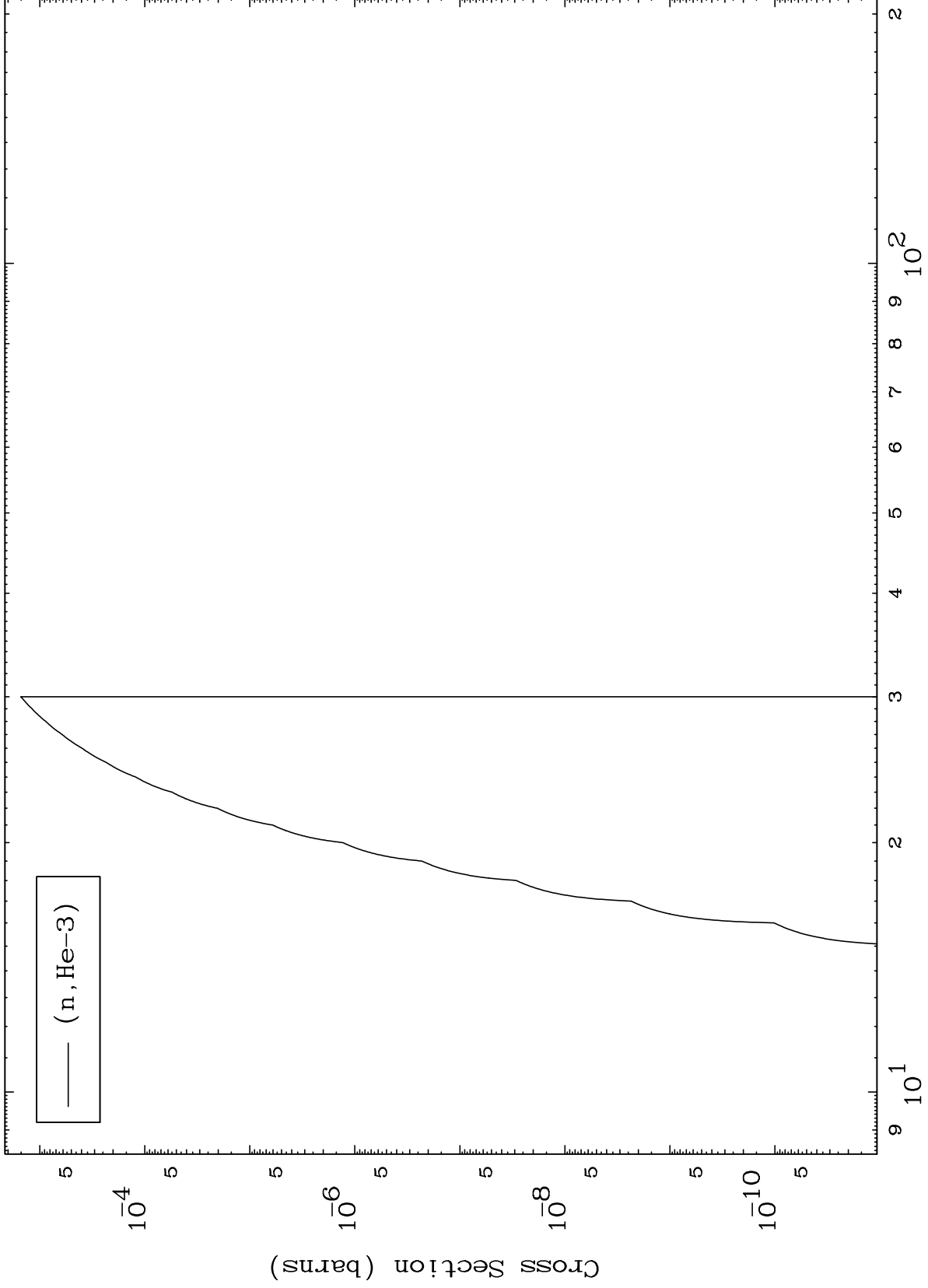
Incident Energy (MeV)

47-Ag-109

MAT 4731

(n,He3) Levels  
293 Kelvin Cross Sections

47-Ag-109



13

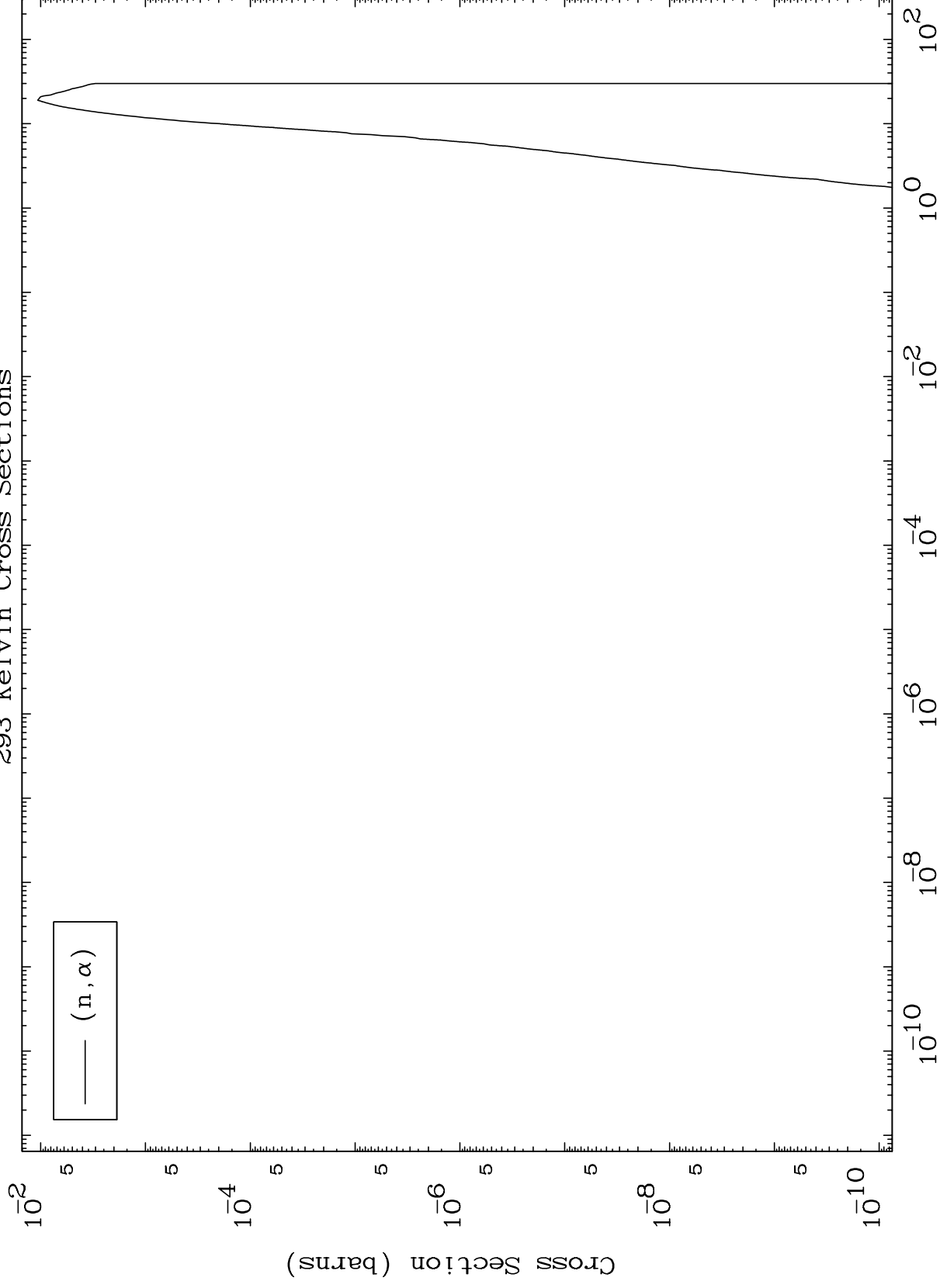
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

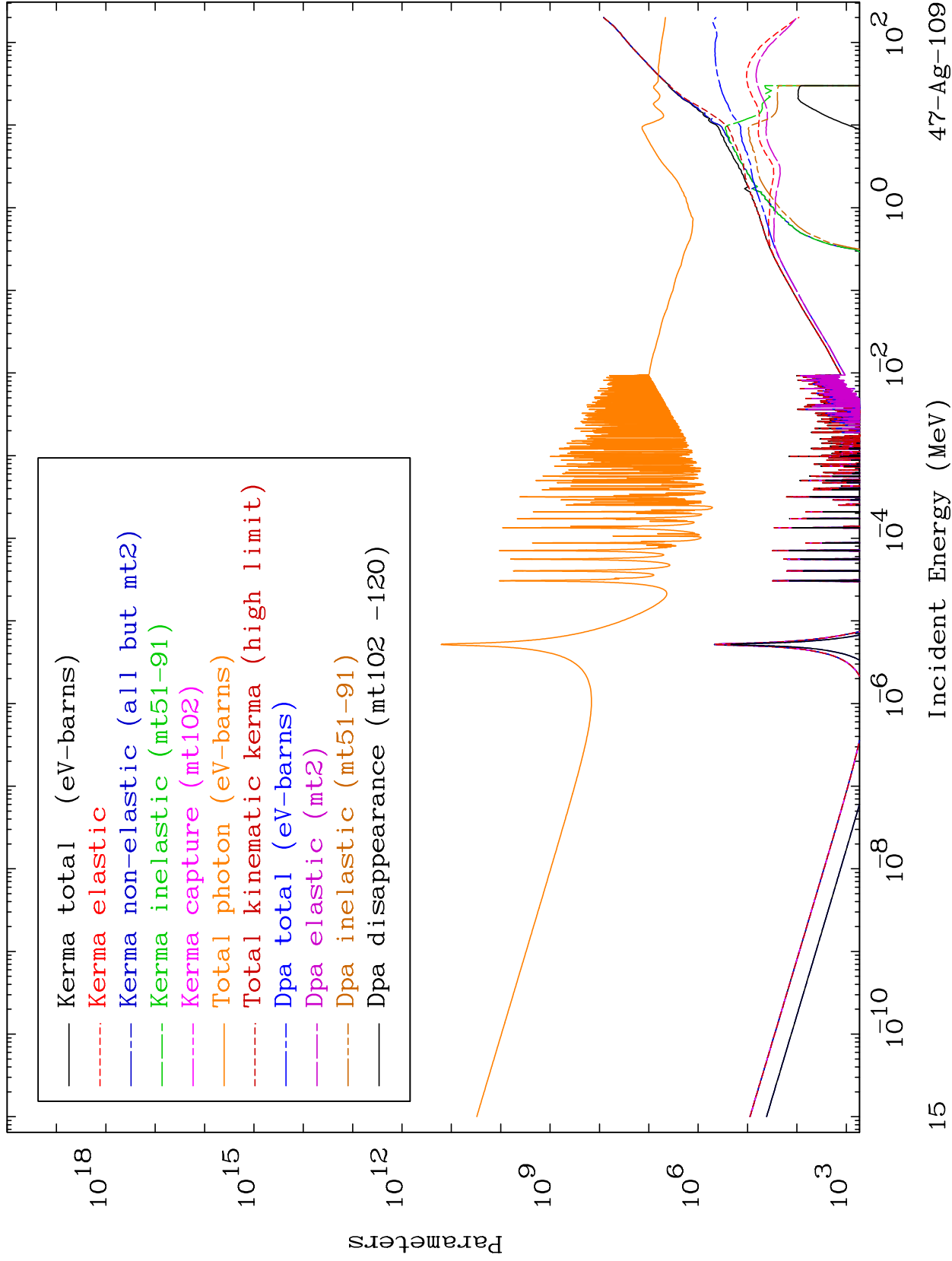
47-Ag-109



14

Incident Energy (MeV)

47-Ag-109

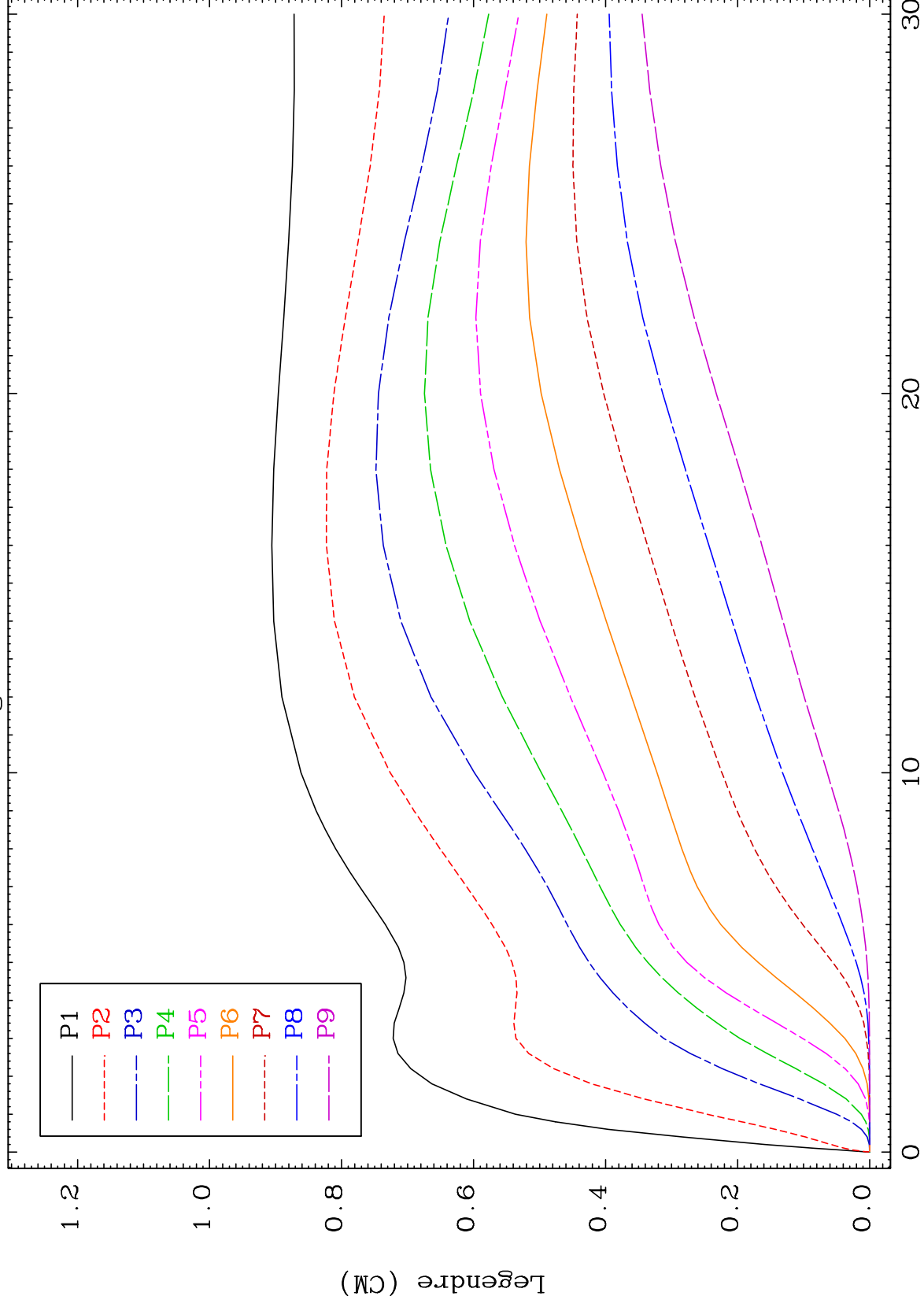




MAT 4731

Elastic Legendre Coefficients

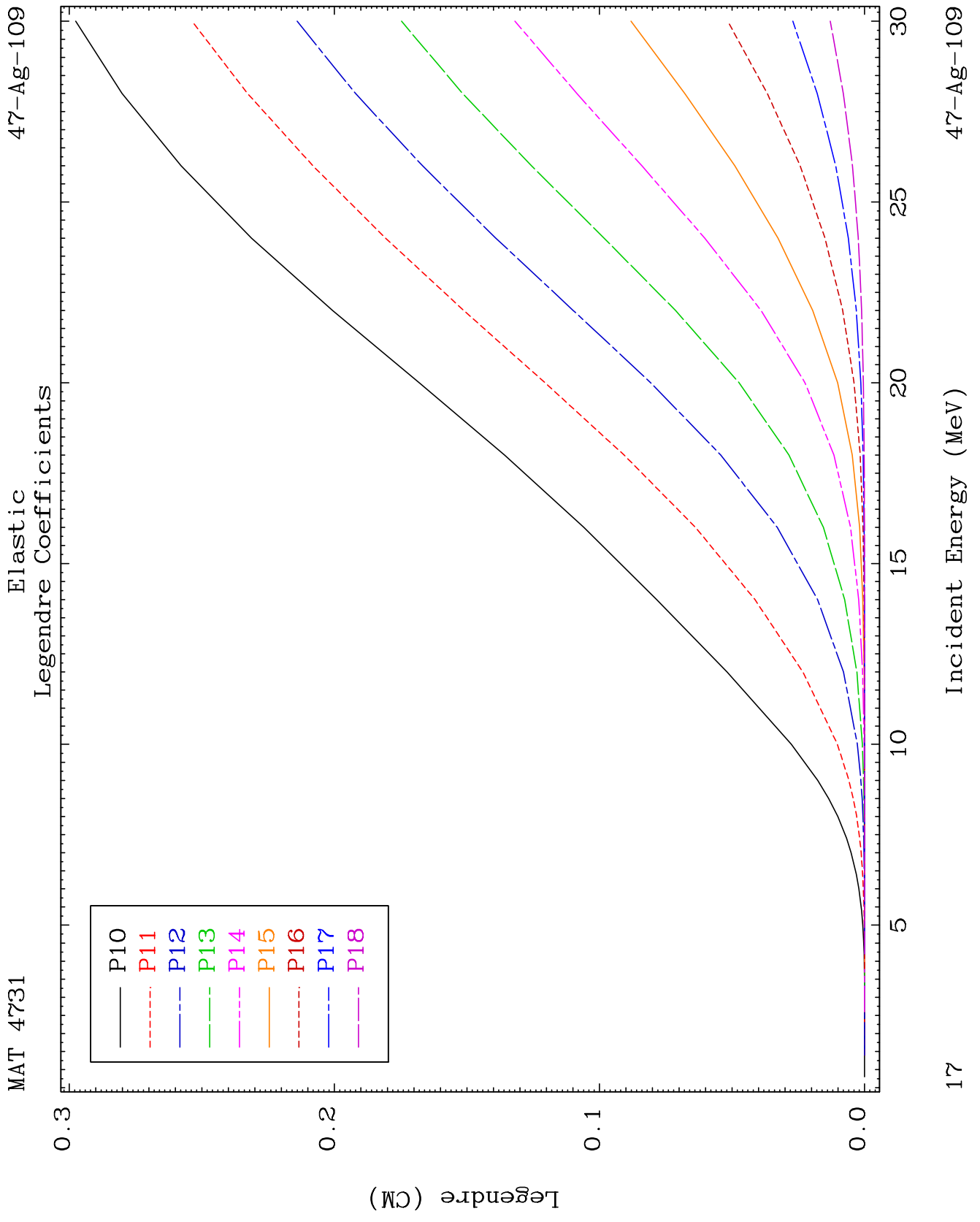
47-Ag-109



16

Incident Energy (MeV)

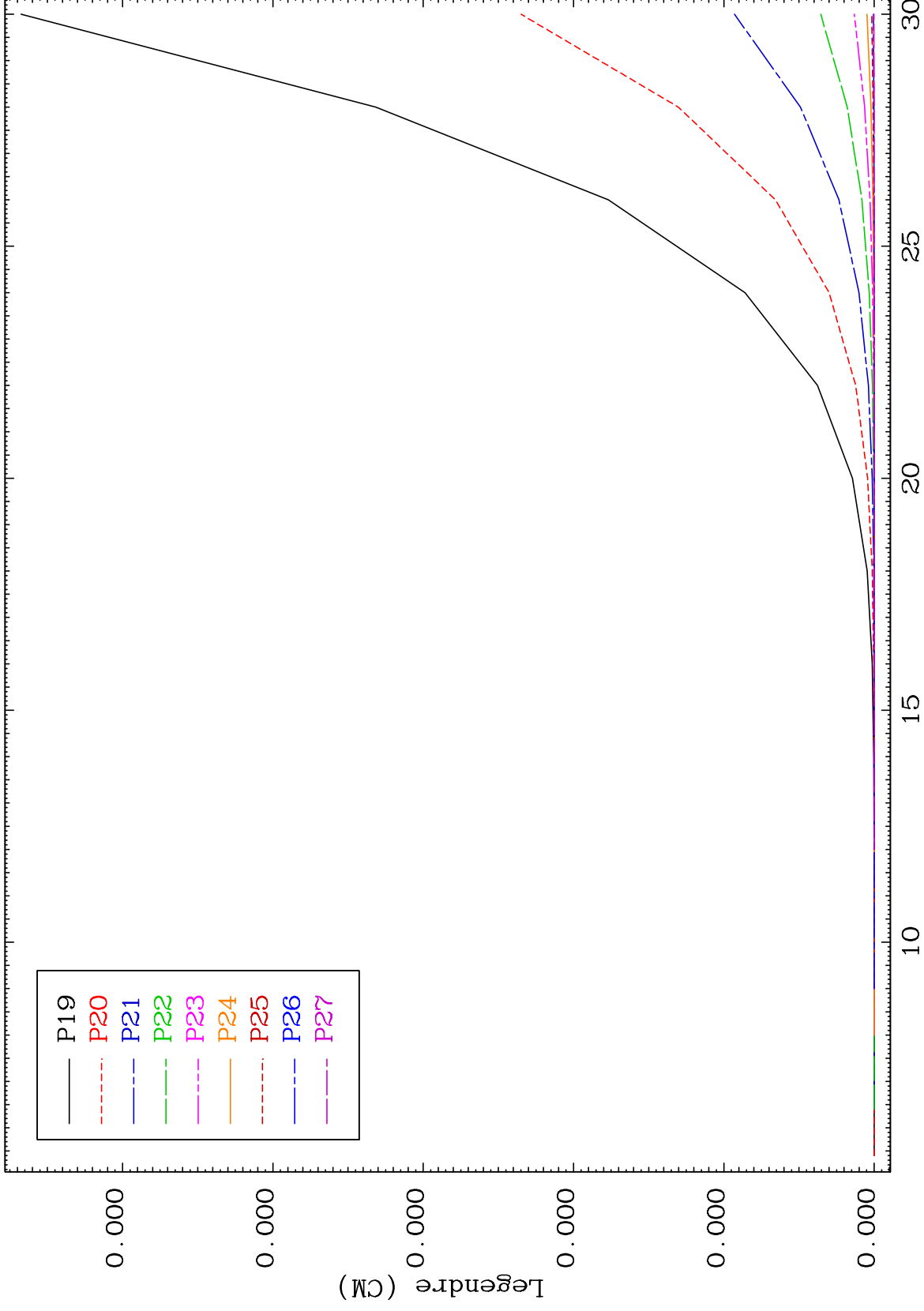
47-Ag-109



MAT 4731

### Elastic Legendre Coefficients

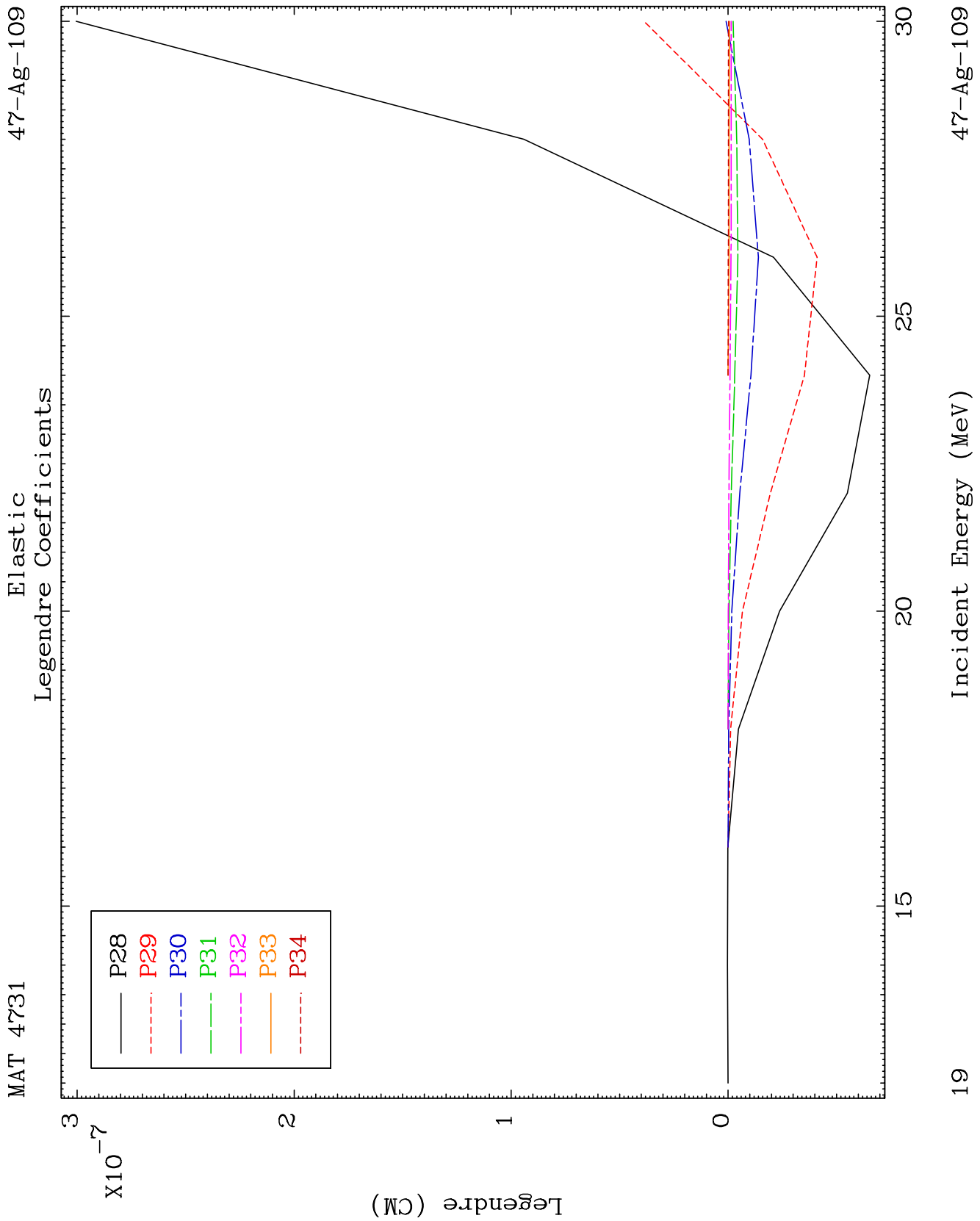
47-Ag-109

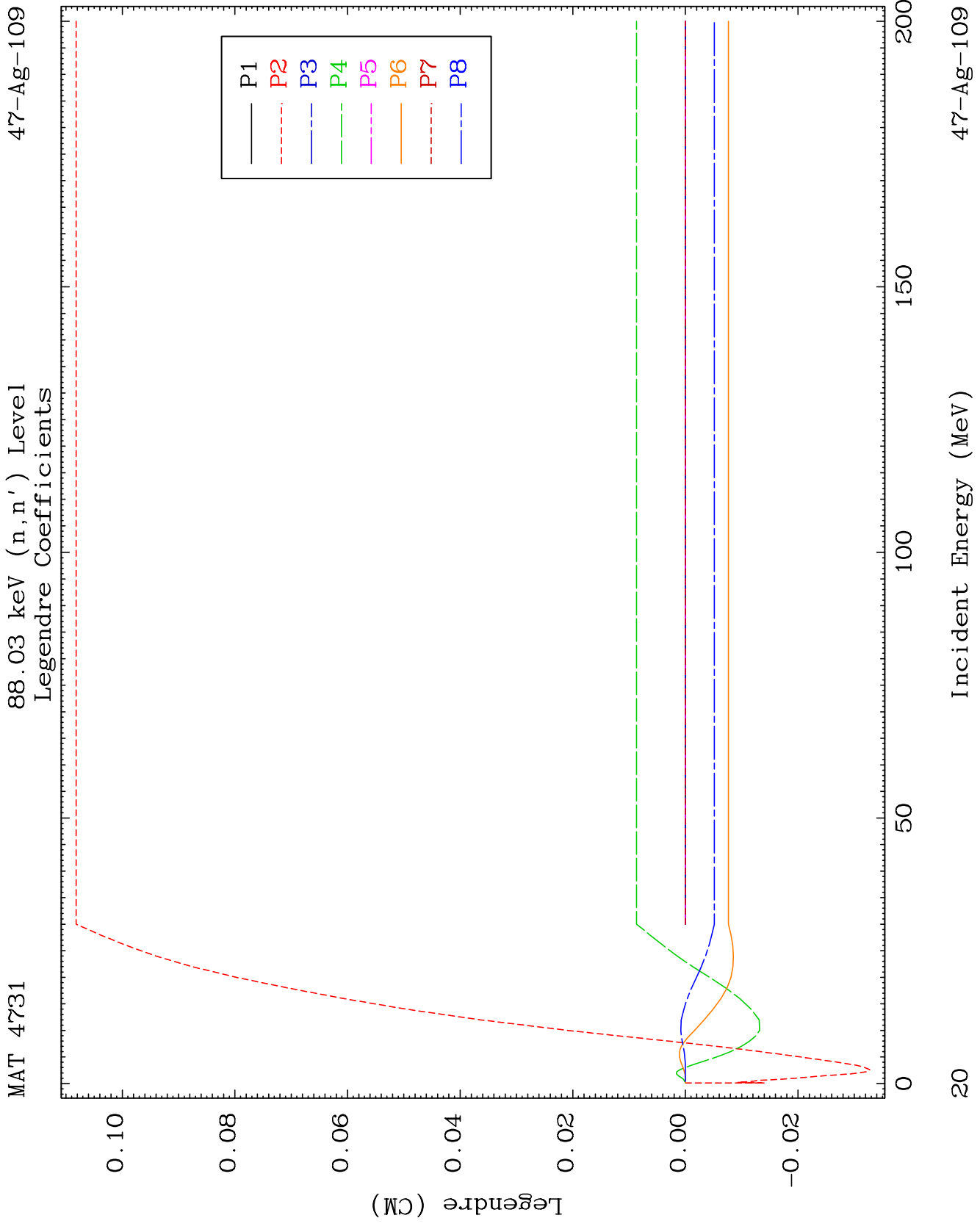


18

Incident Energy (MeV)

47-Ag-109

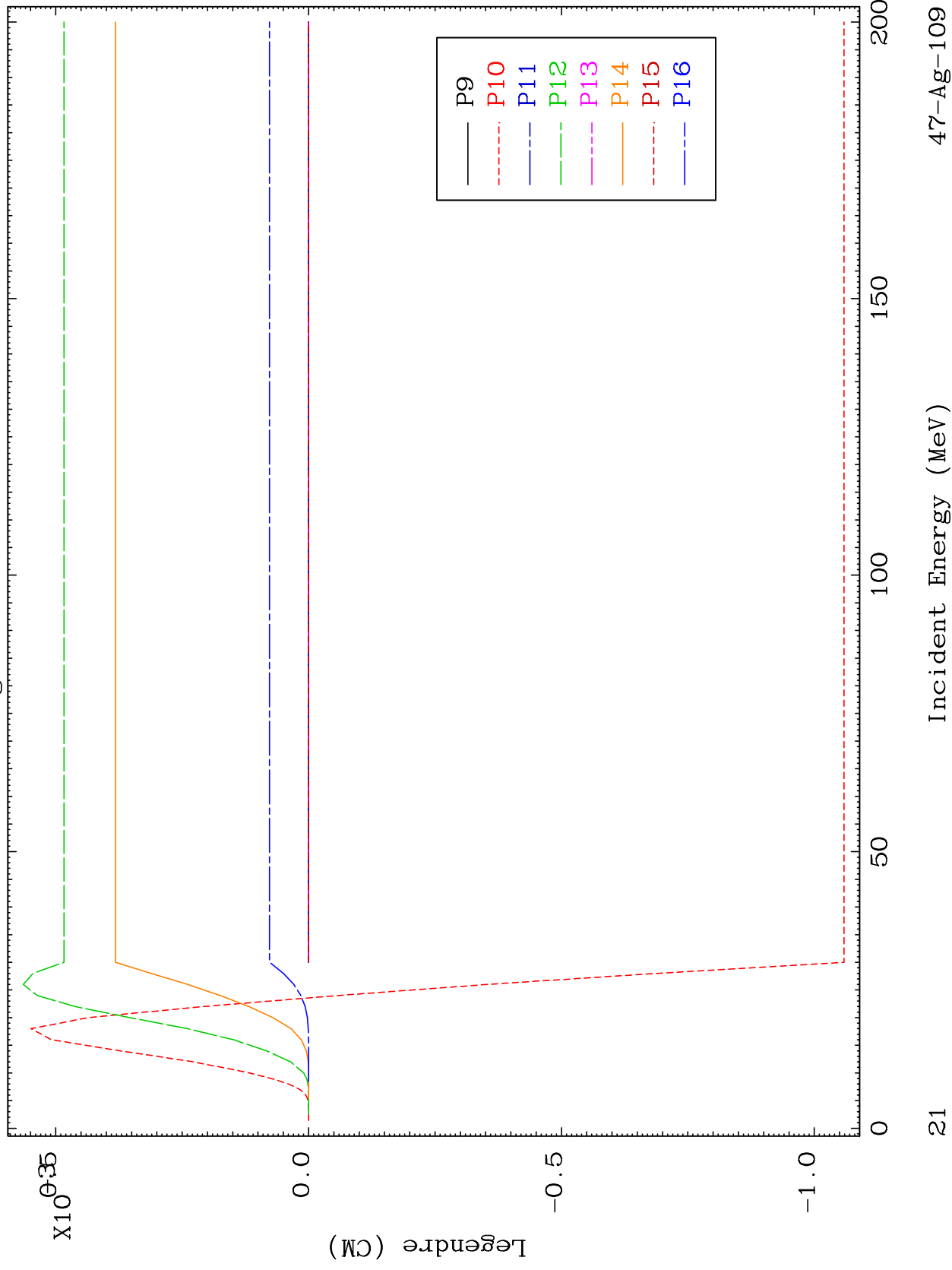




MAT 4731

88.03 keV (n,n') Level  
Legendre Coefficients

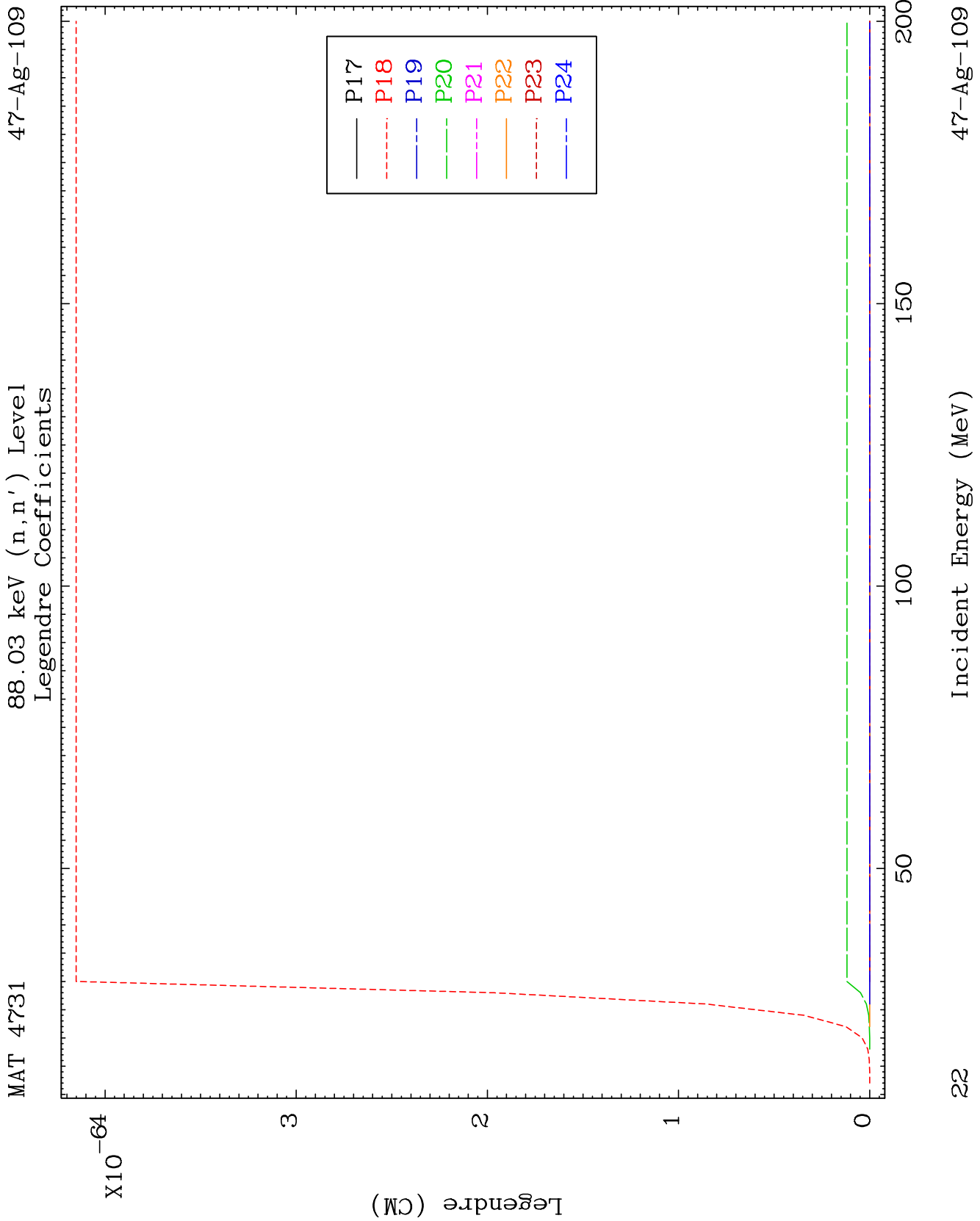
47-Ag-109



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Incident Energy (MeV)

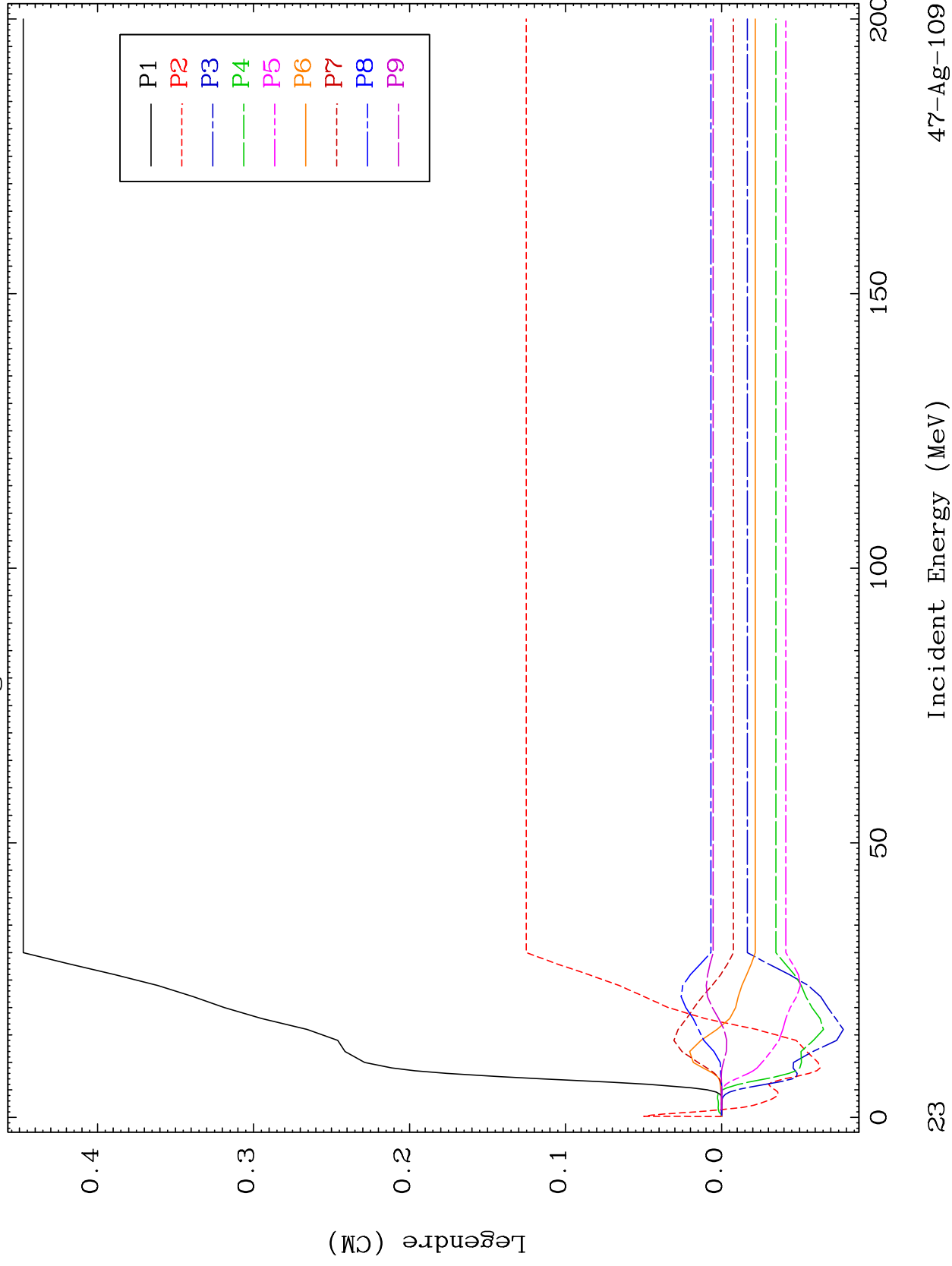
47-Ag-109



MAT 4731

132.7 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



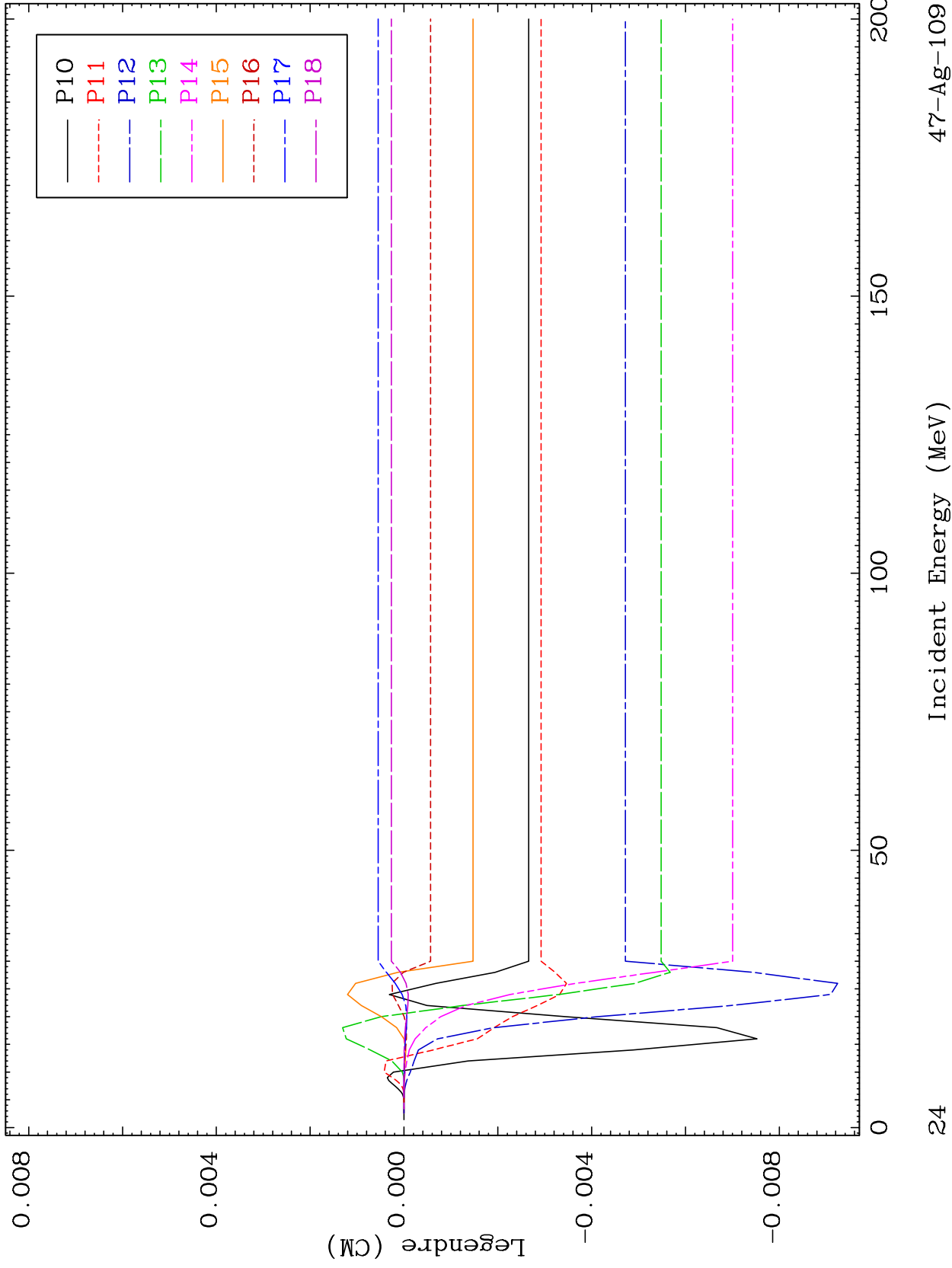
47-Ag-109



MAT 4731

132.7 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



47-Ag-109

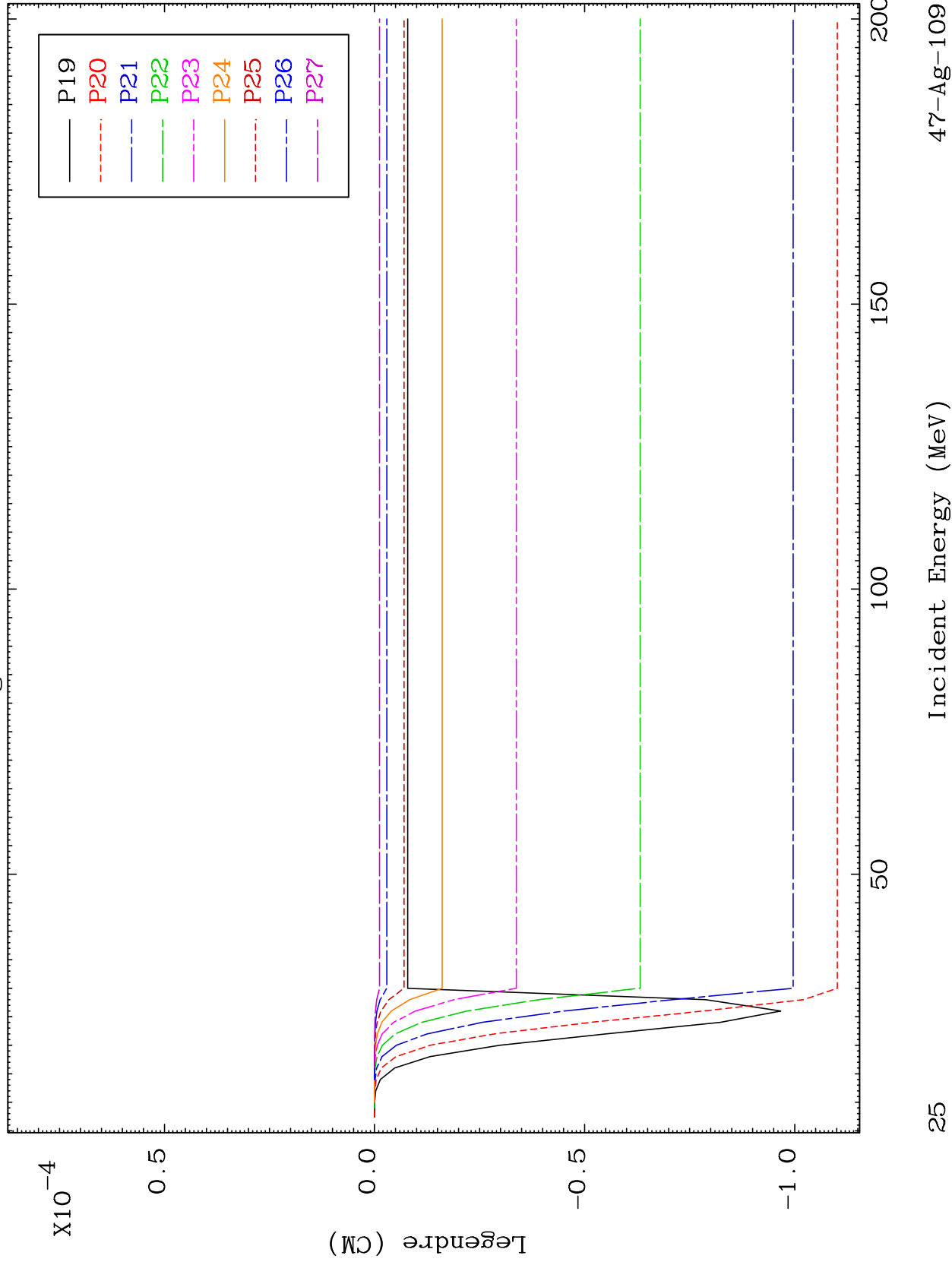
Incident Energy (MeV)

24

MAT 4731

132.7 keV (n,n') Level  
Legendre Coefficients

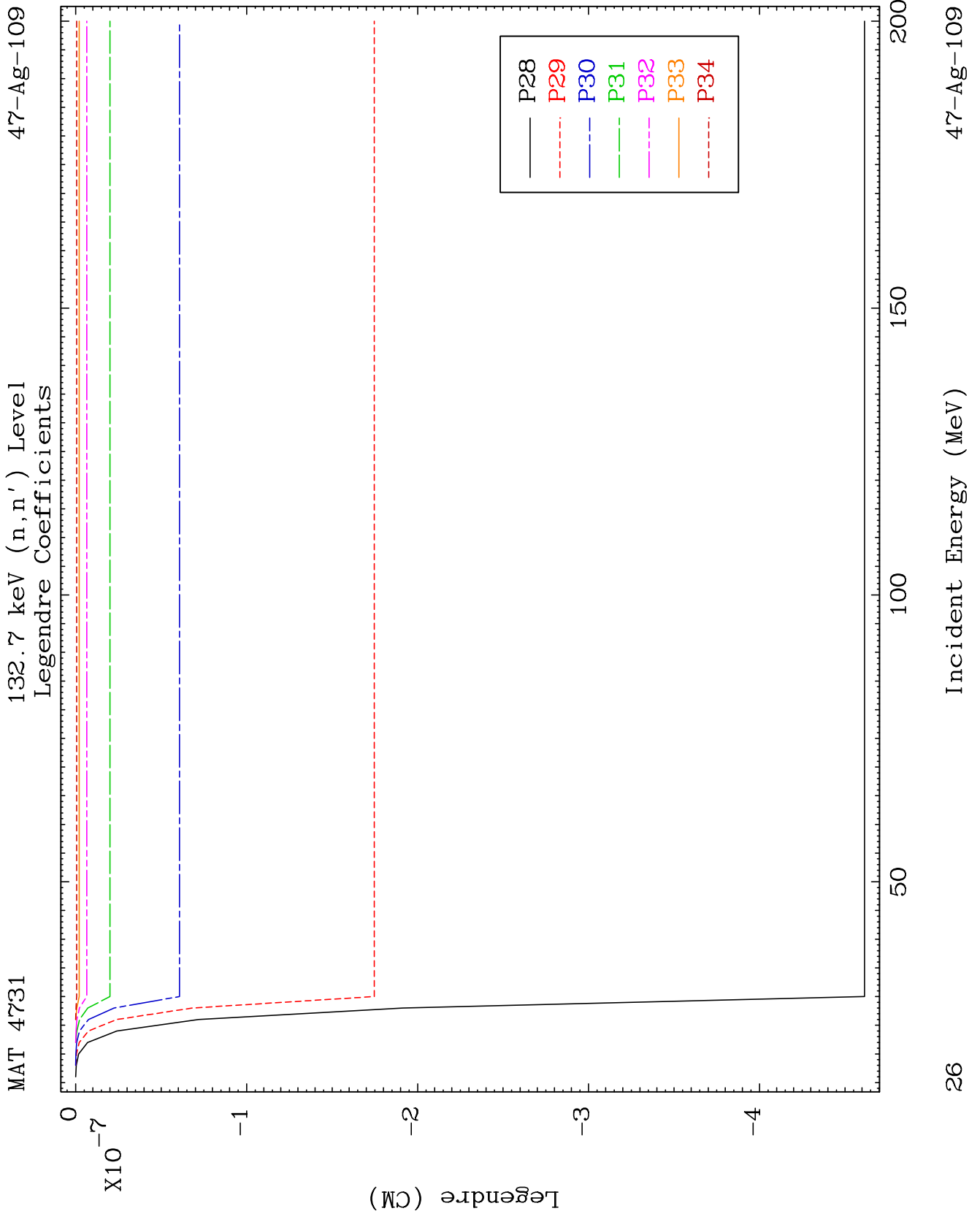
47-Ag-109



25

Incident Energy (MeV)

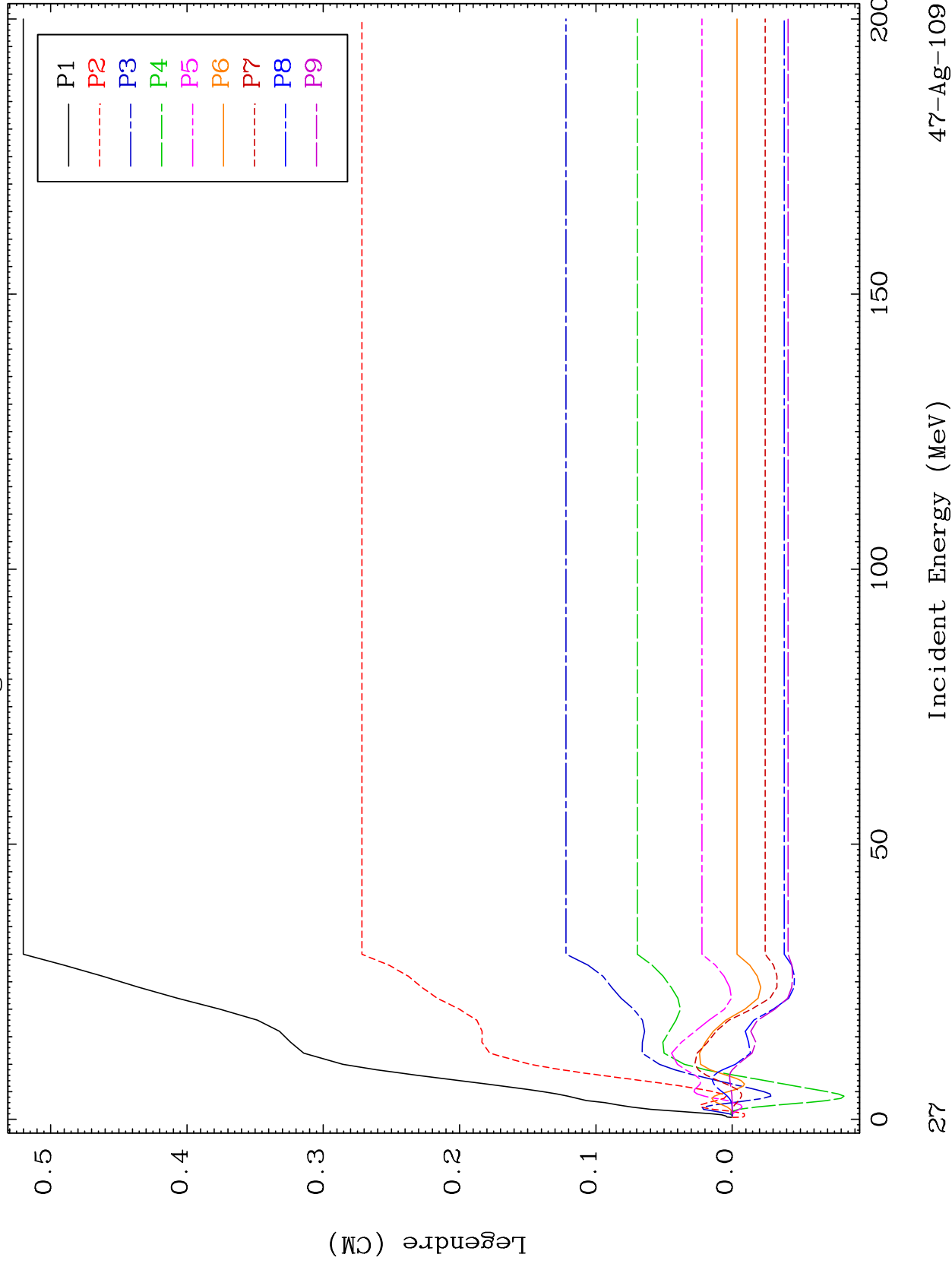
47-Ag-109



MAT 4731

311.4 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



27

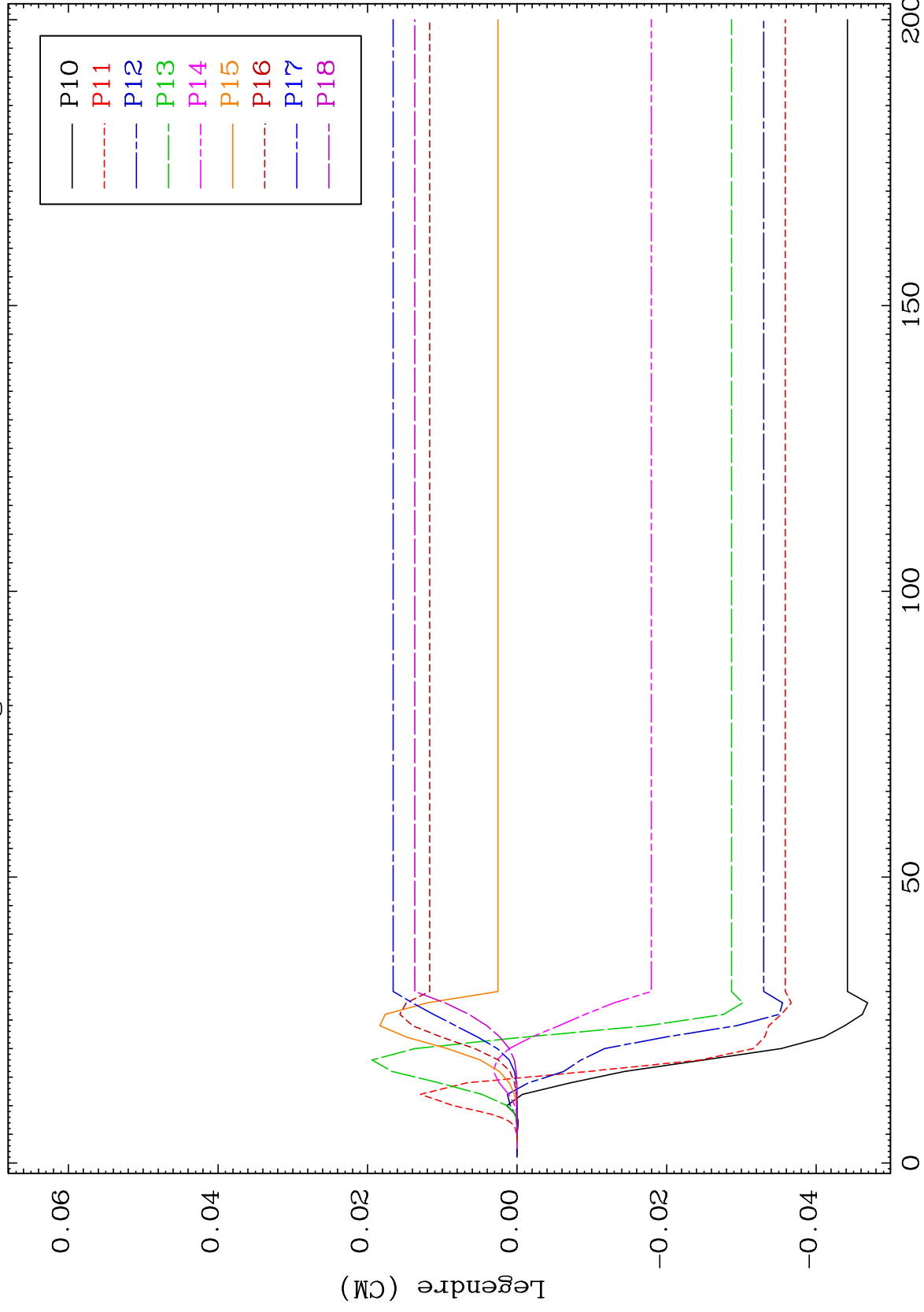
Incident Energy (MeV)

47-Ag-109

MAT 4731

311.4 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



28

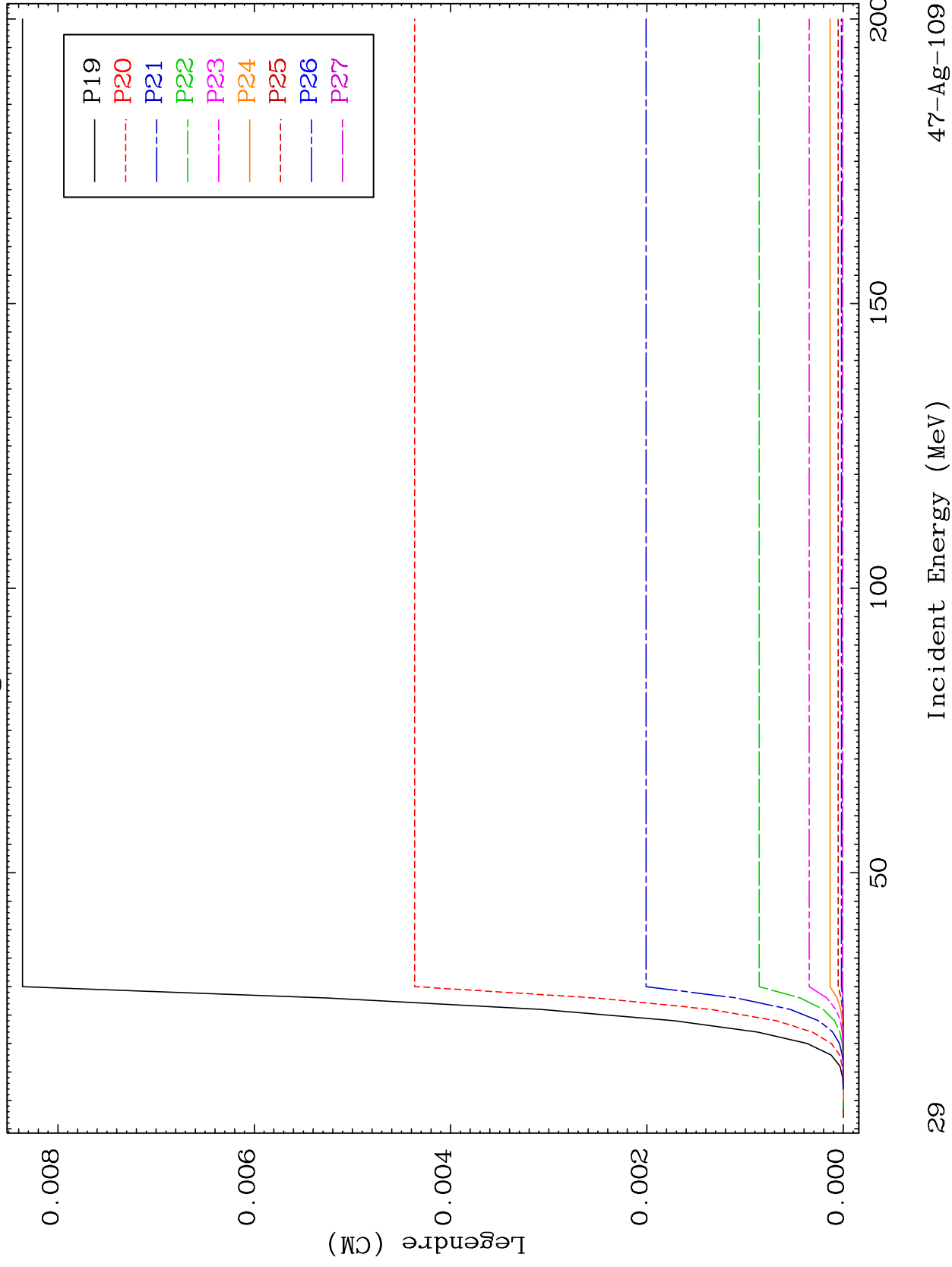
Incident Energy (MeV)

47-Ag-109

MAT 4731

311.4 keV (n,n') Level  
Legendre Coefficients

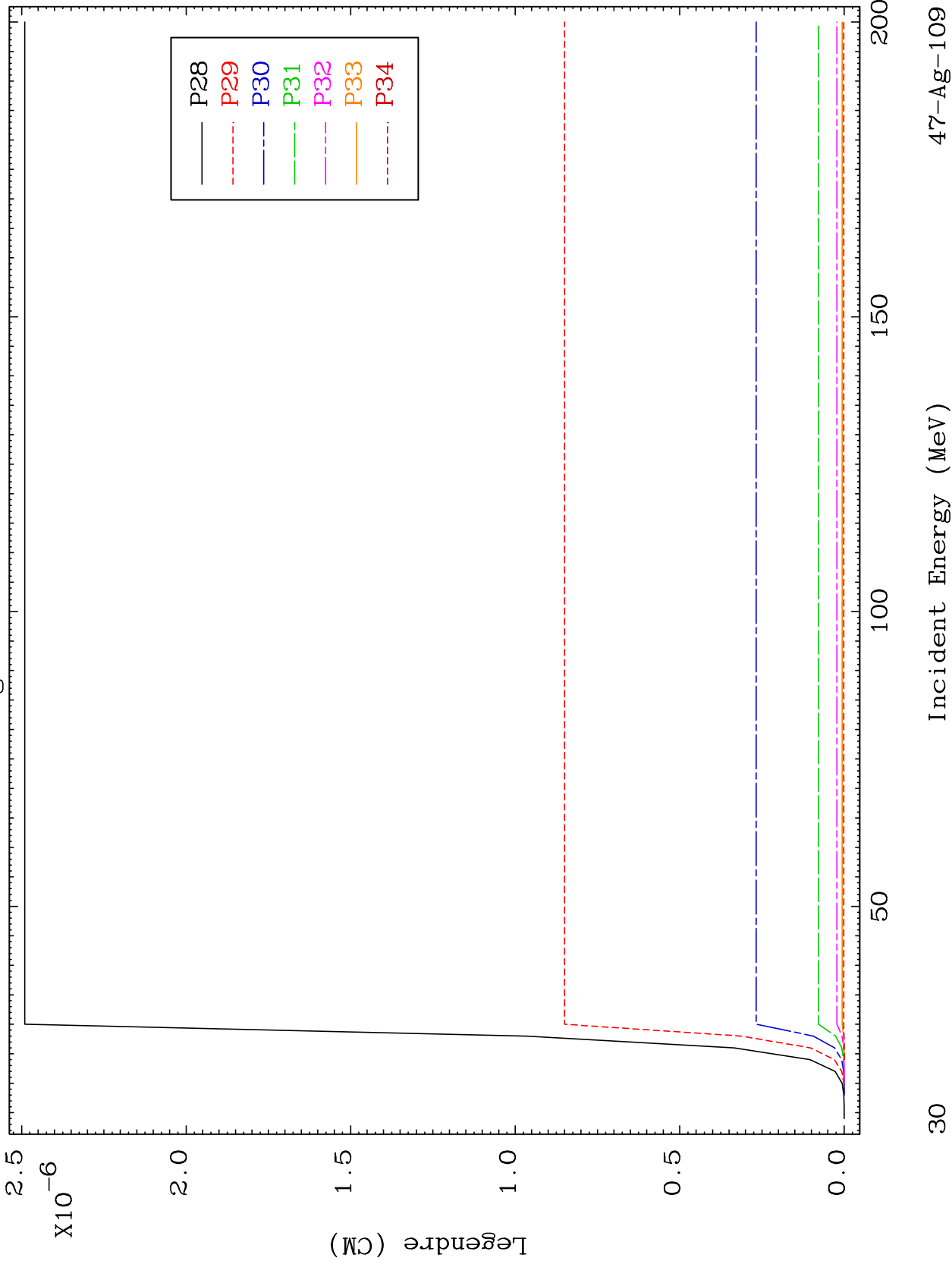
47-Ag-109



MAT 4731

311.4 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



47-Ag-109

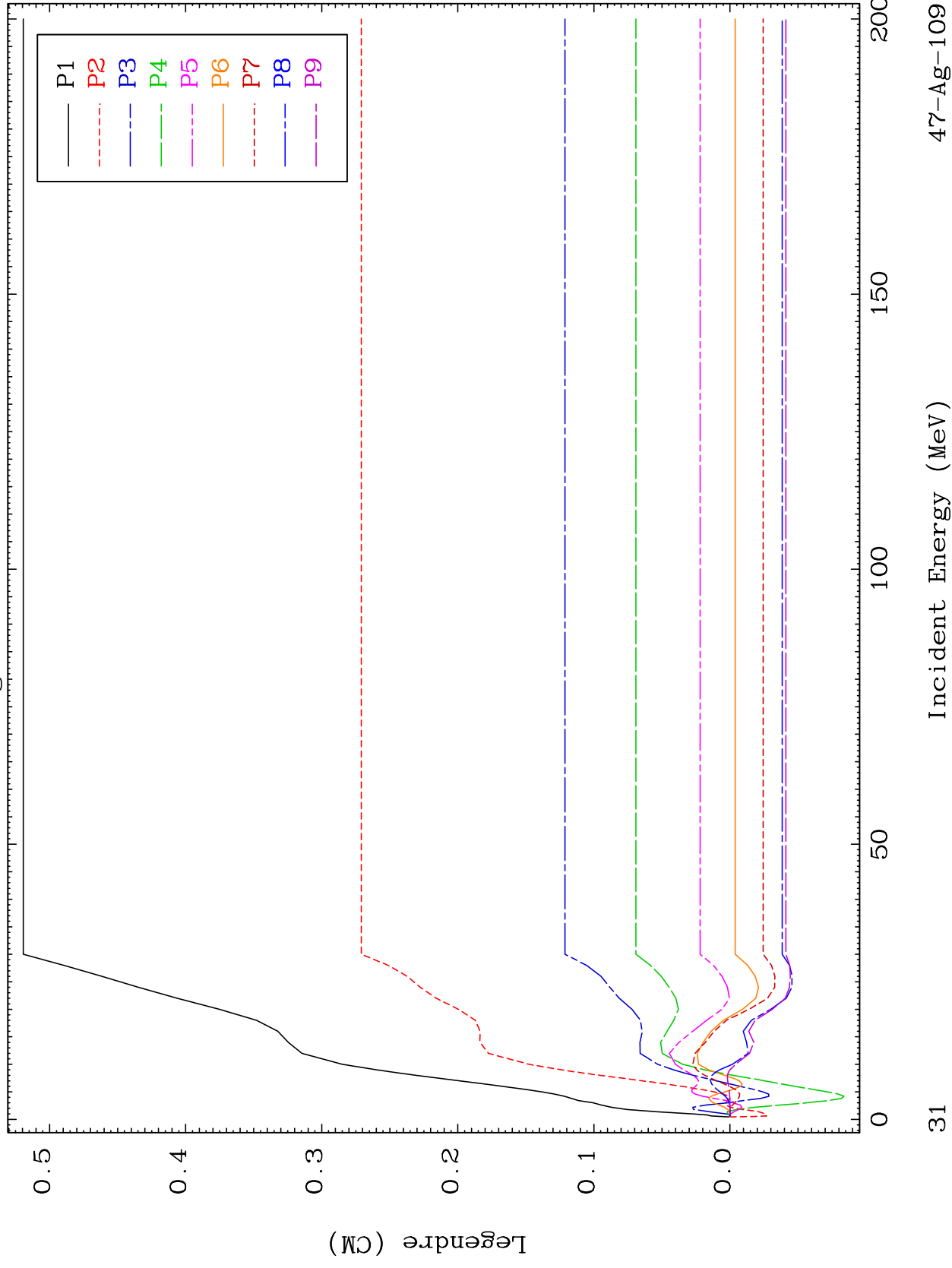
Incident Energy (MeV)

30

MAT 4731

415.2 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



31

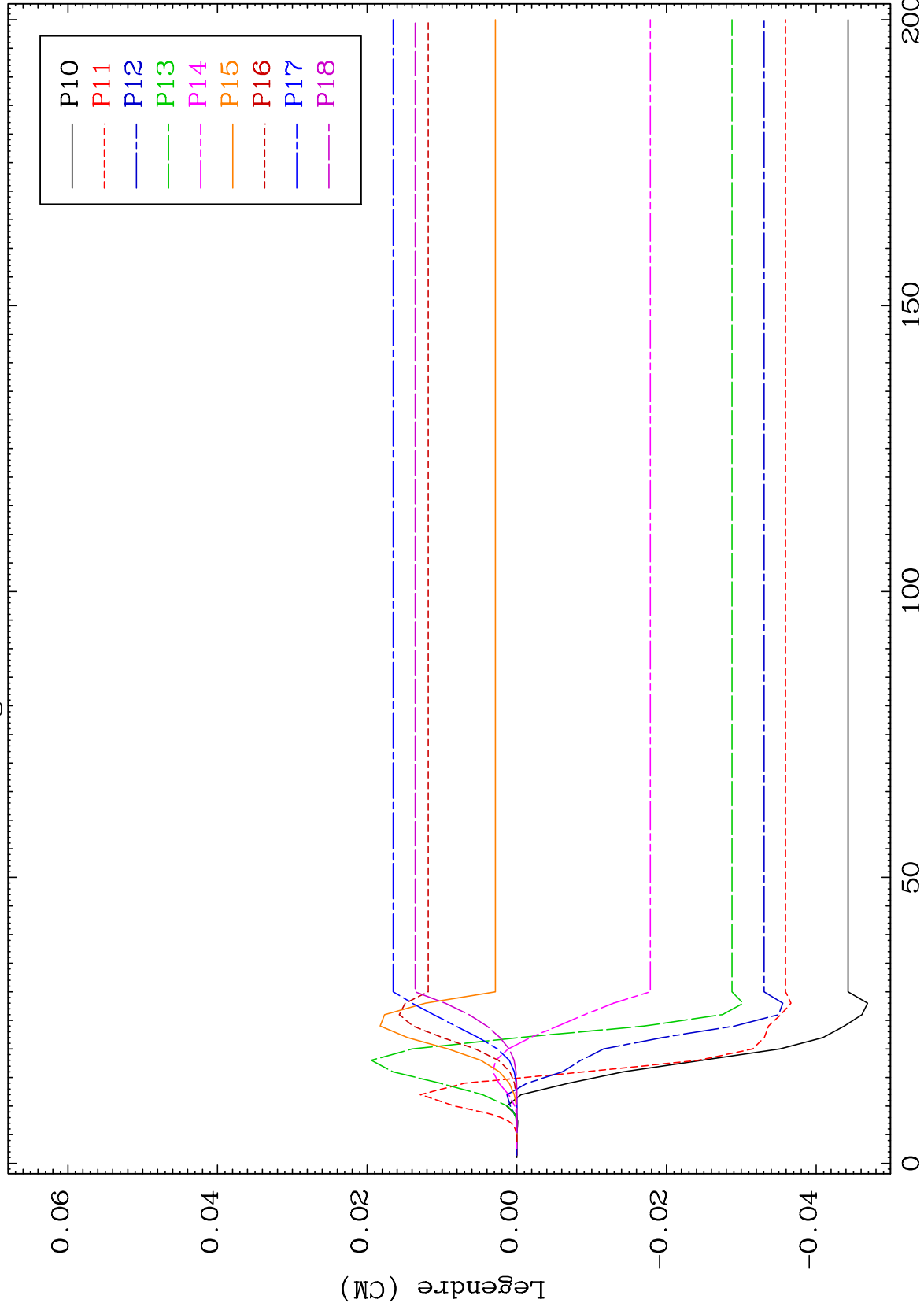
47-Ag-109



MAT 4731

415.2 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



32

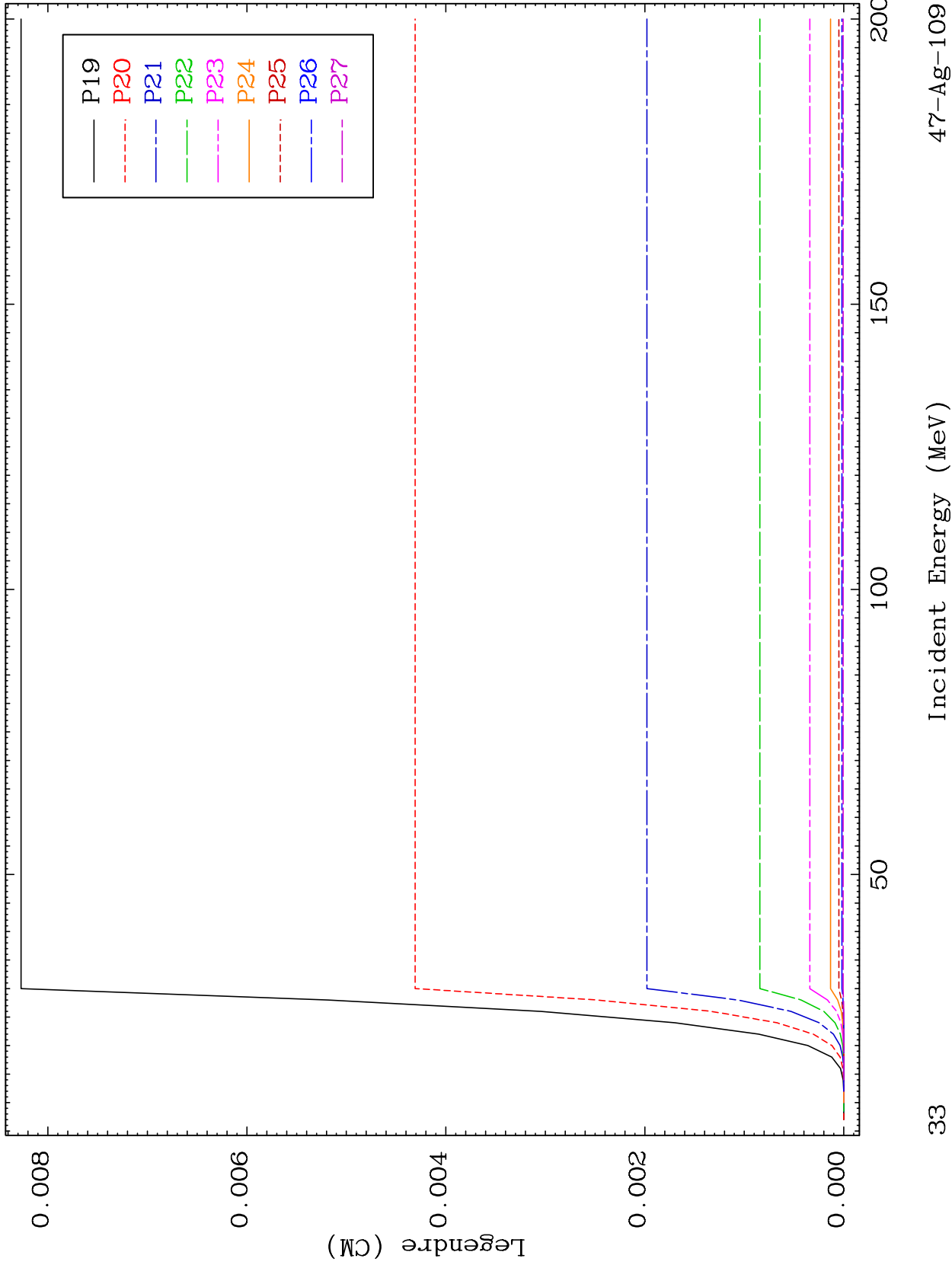
Incident Energy (MeV)

47-Ag-109

MAT 4731

415.2 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



33

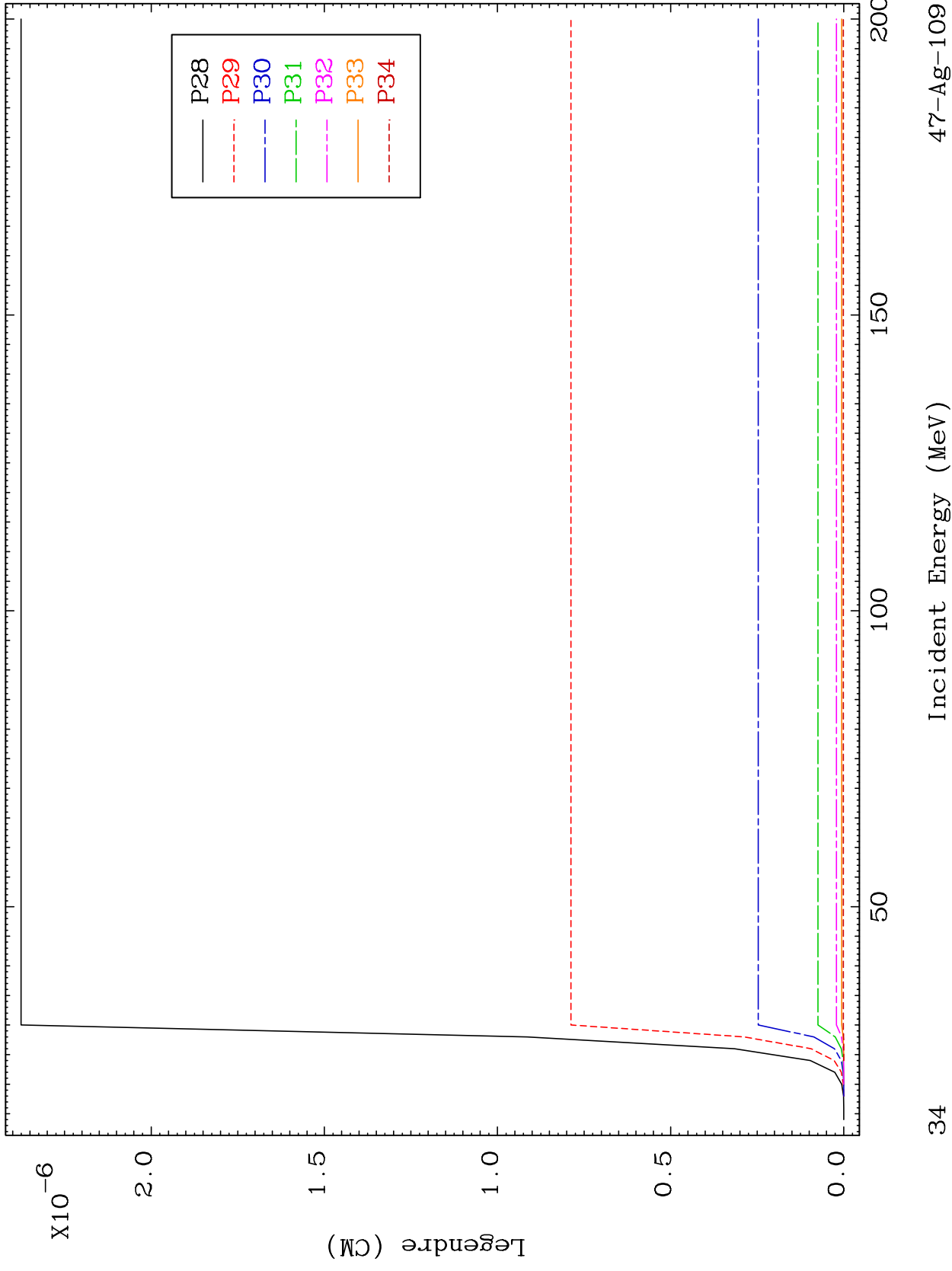
Incident Energy (MeV)

47-Ag-109

MAT 4731

415.2 keV (n, n') Level  
Legendre Coefficients

47-Ag-109



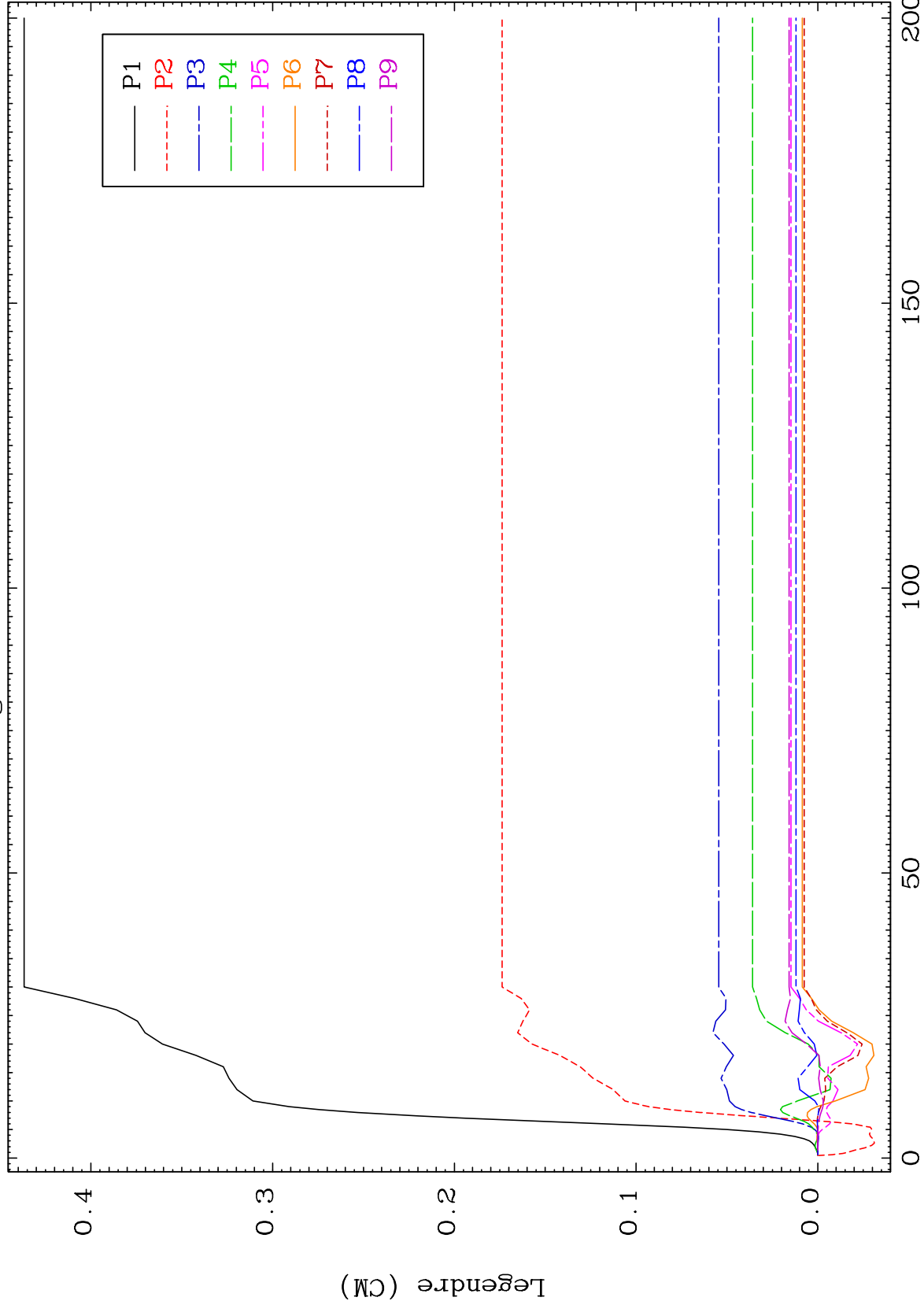
34

47-Ag-109

MAT 4731

420.0 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



47-Ag-109

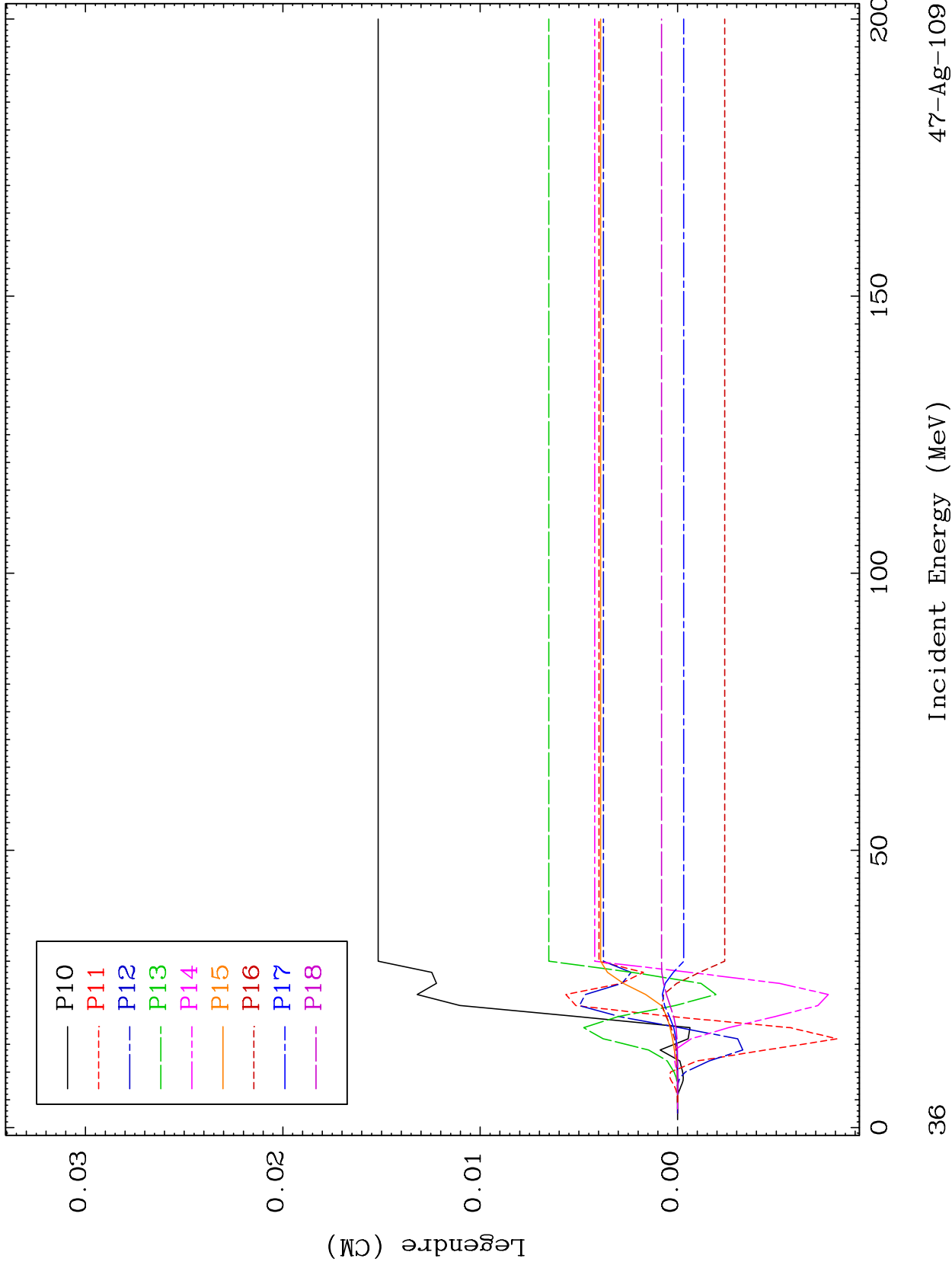
Incident Energy (MeV)

35

MAT 4731

420.0 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



47-Ag-109

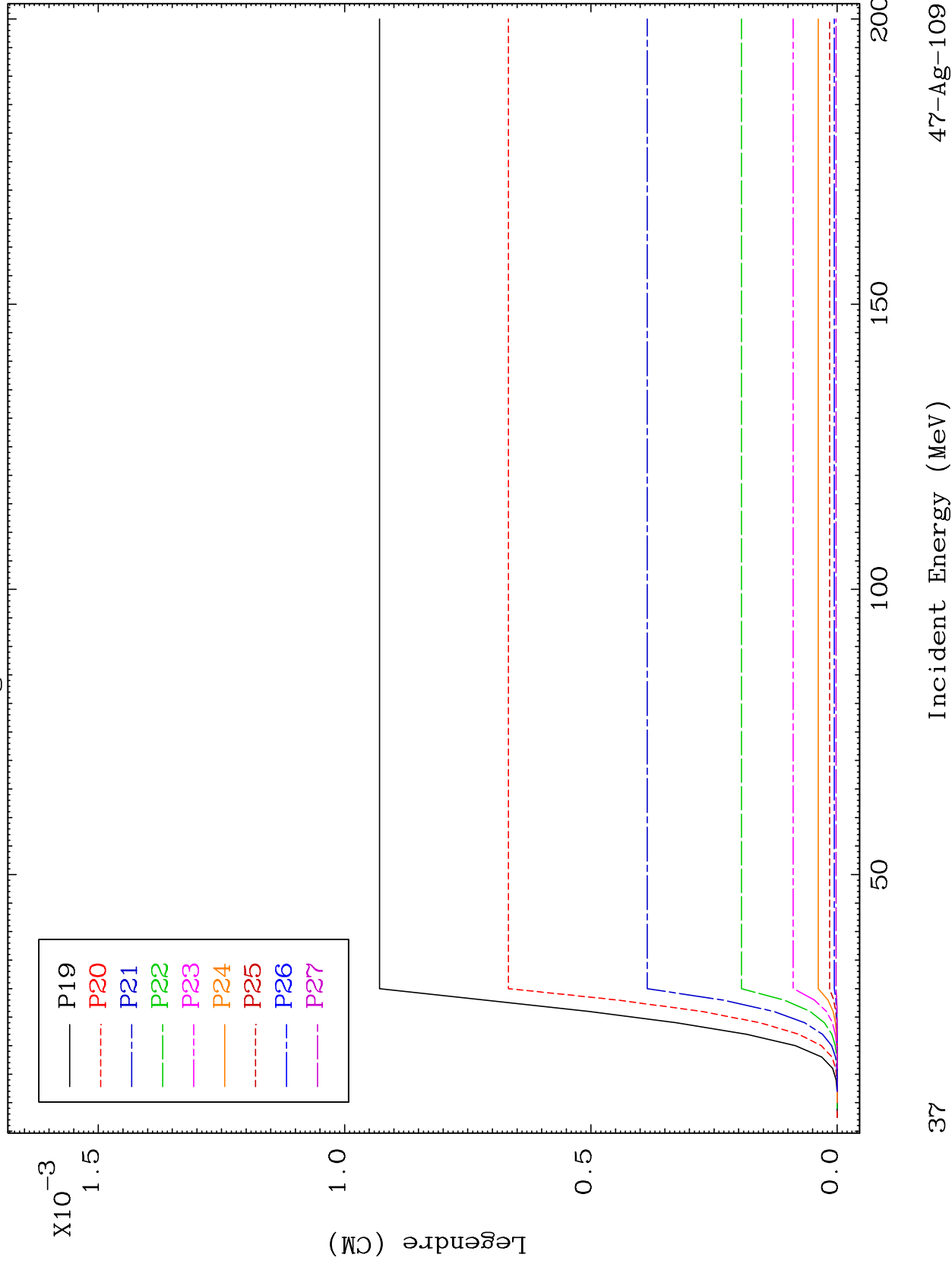
Incident Energy (MeV)

36

MAT 4731

420.0 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



37

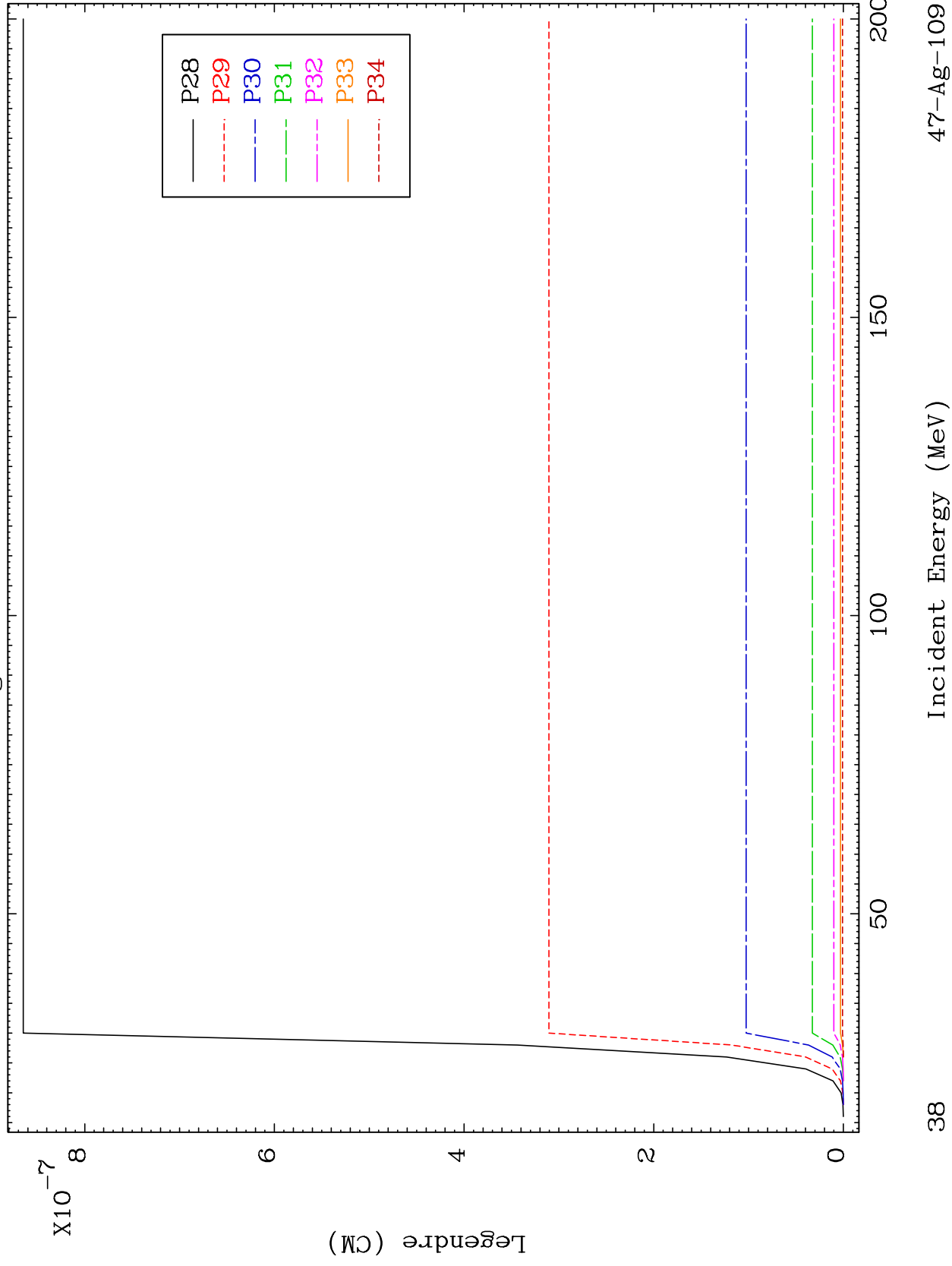
Incident Energy (MeV)

47-Ag-109

MAT 4731

420.0 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



38

Incident Energy (MeV)

47-Ag-109

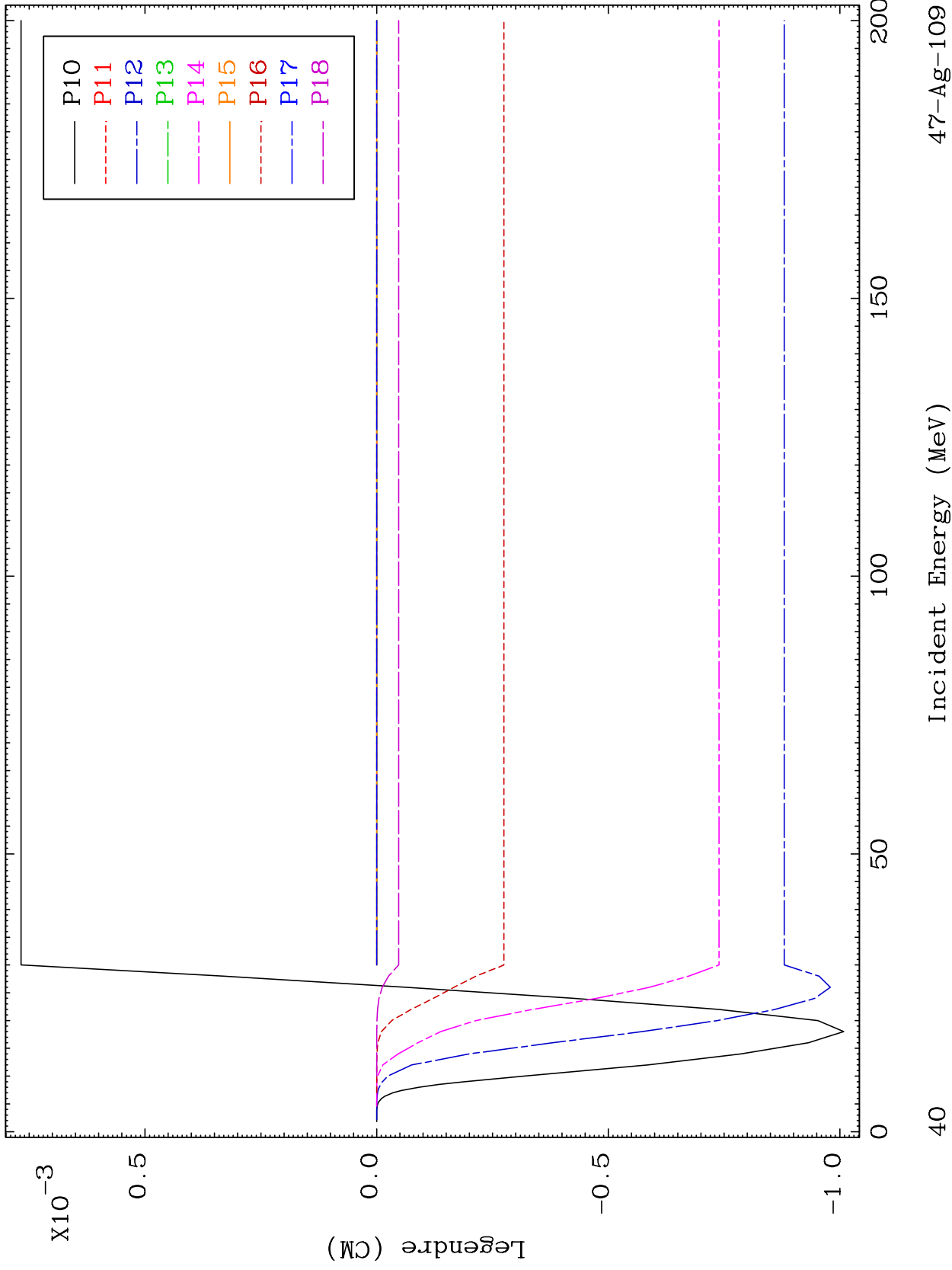




MAT 4731

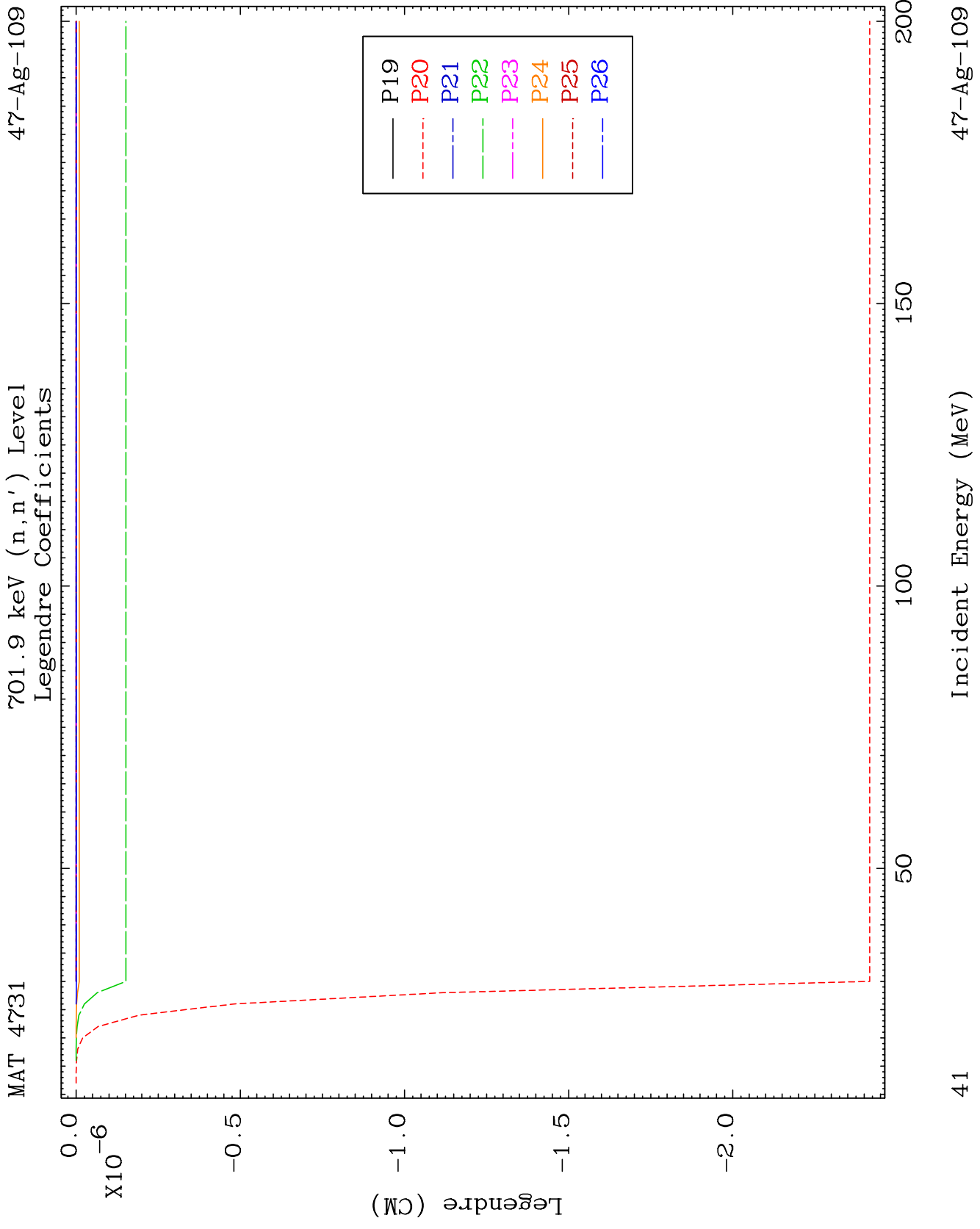
701.9 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



47-Ag-109

Incident Energy (MeV)

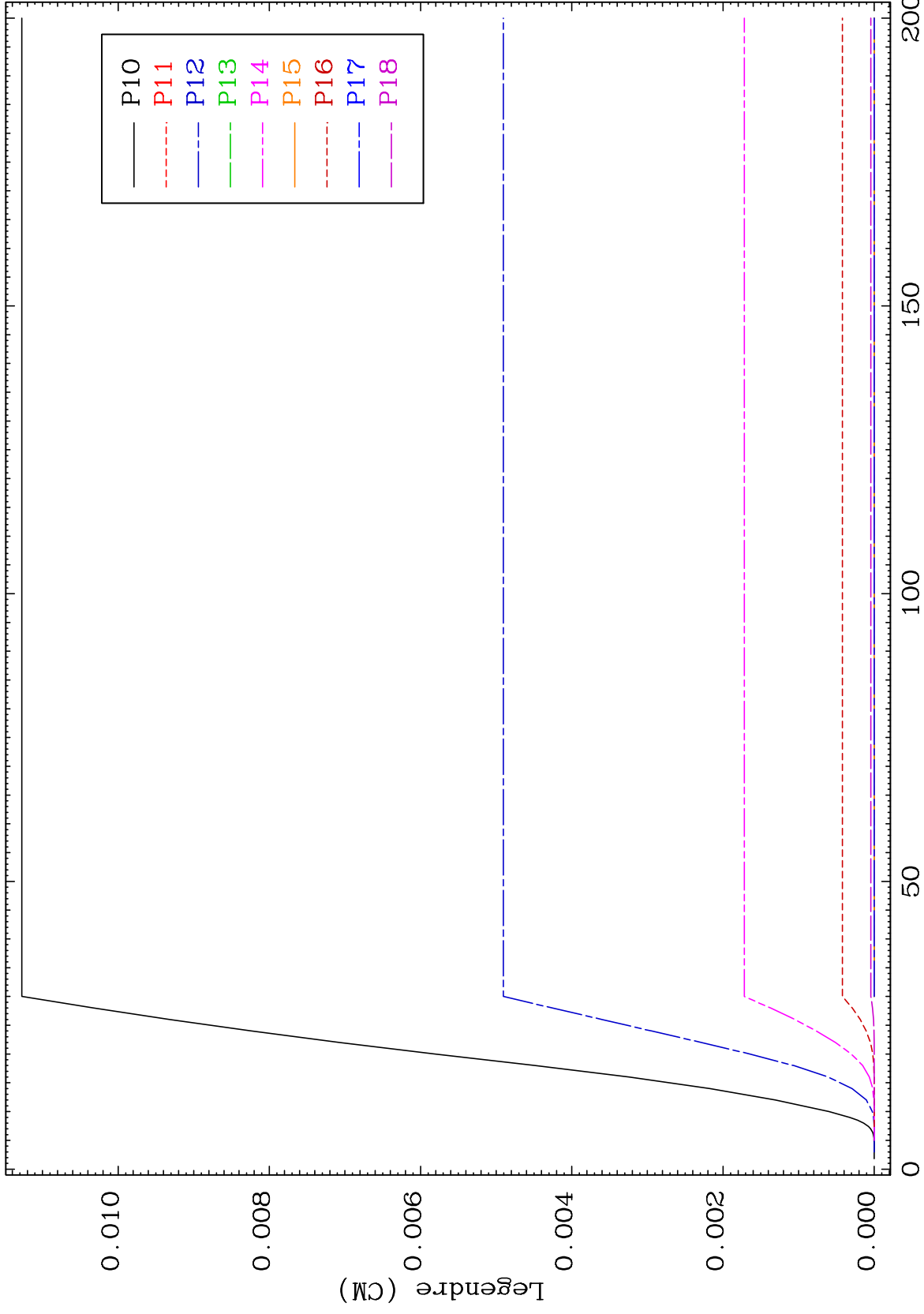




MAT 4731

706.0 keV (n,n') Level  
Legendre Coefficients

47-Ag-109

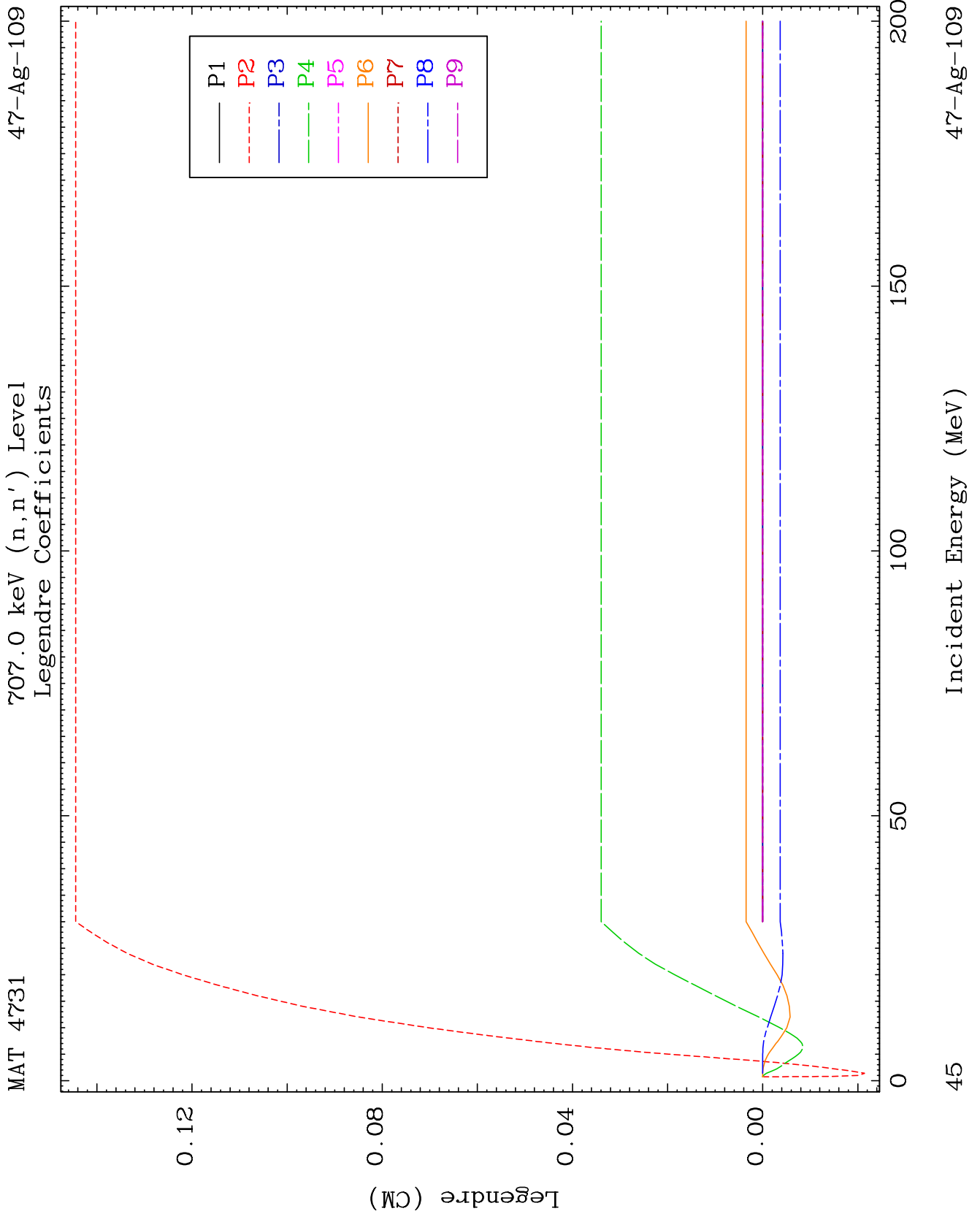


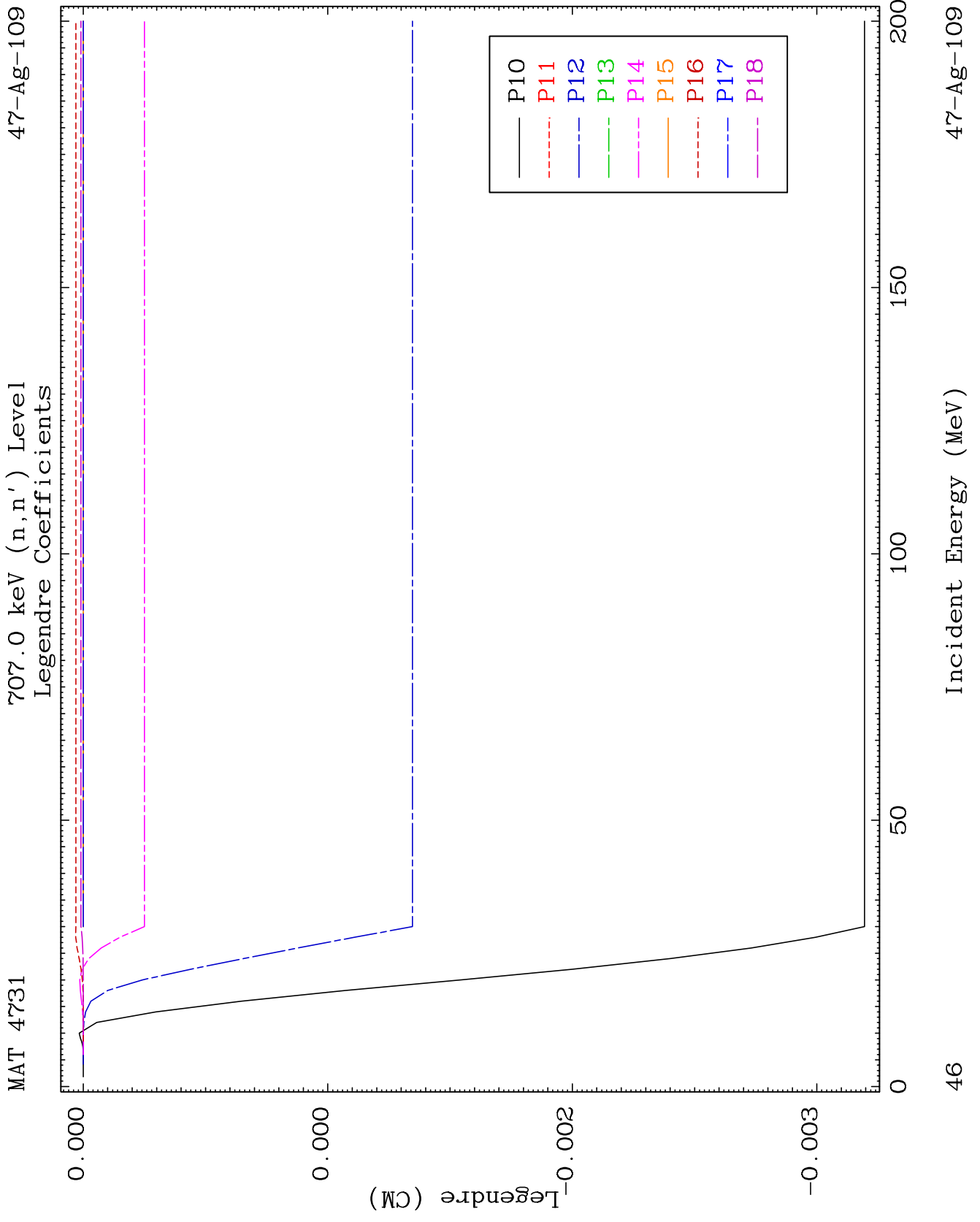
43

Incident Energy (MeV)

47-Ag-109







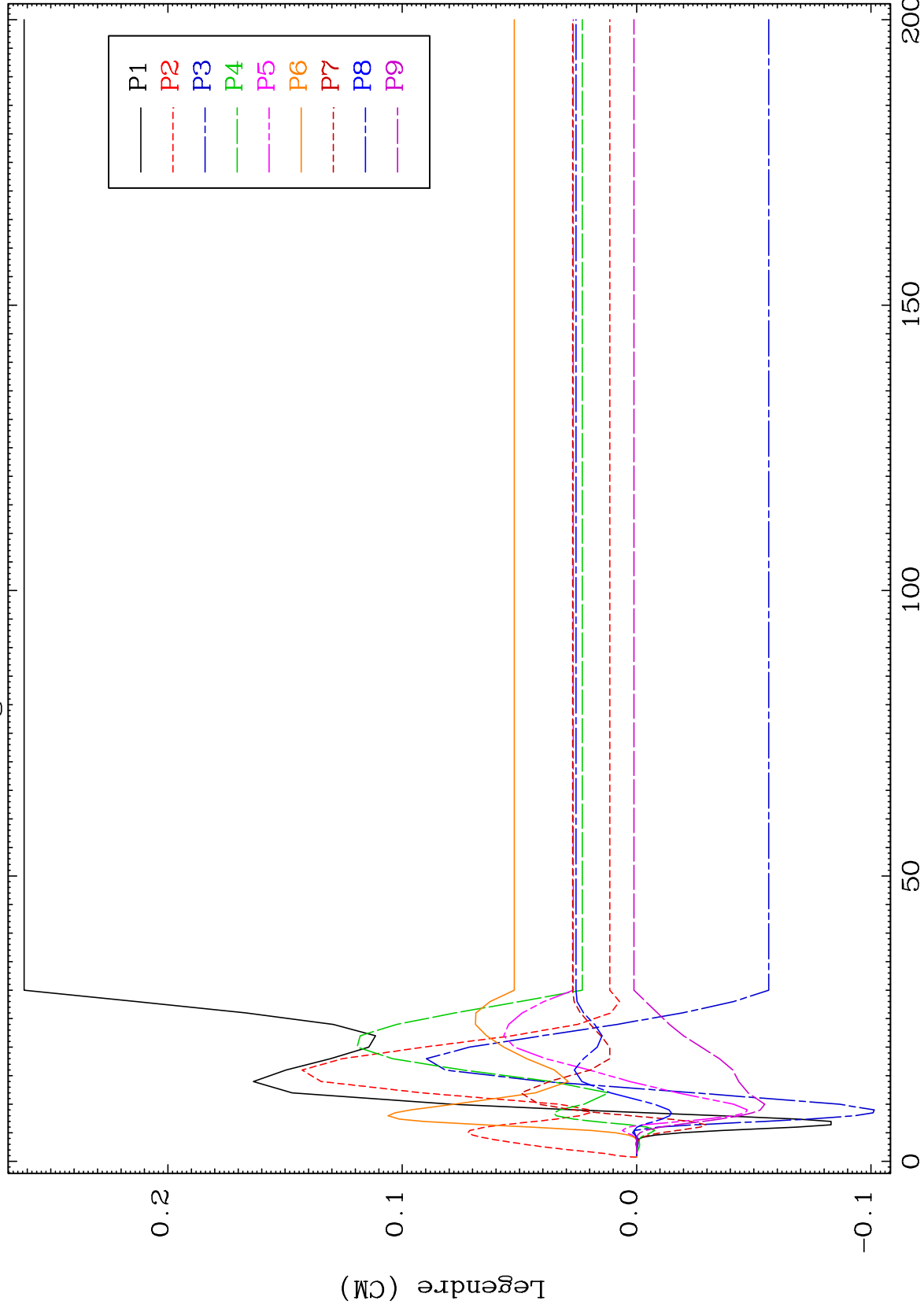




MAT 4731

724.3 keV (n,n') Level  
Legendre Coefficients

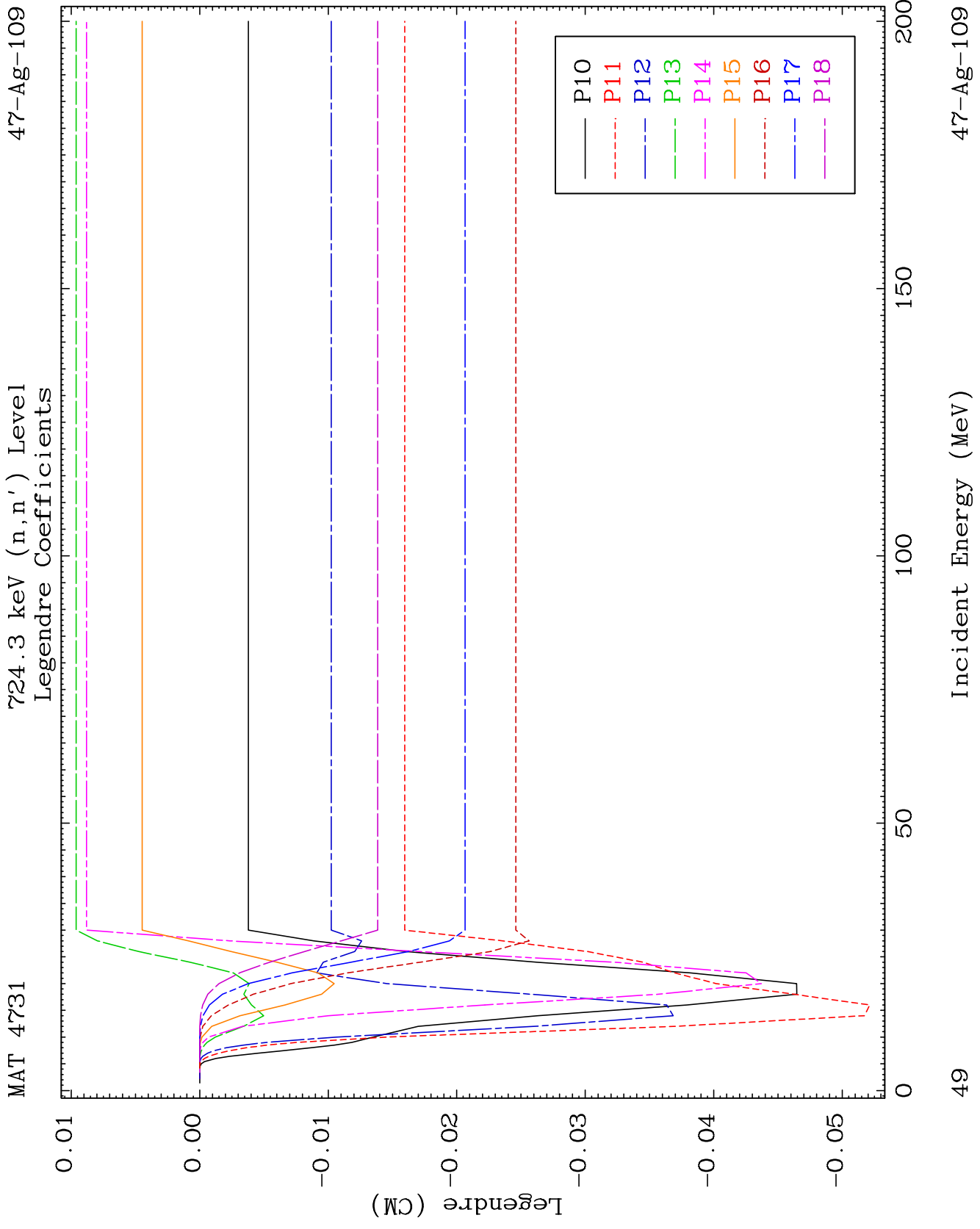
47-Ag-109

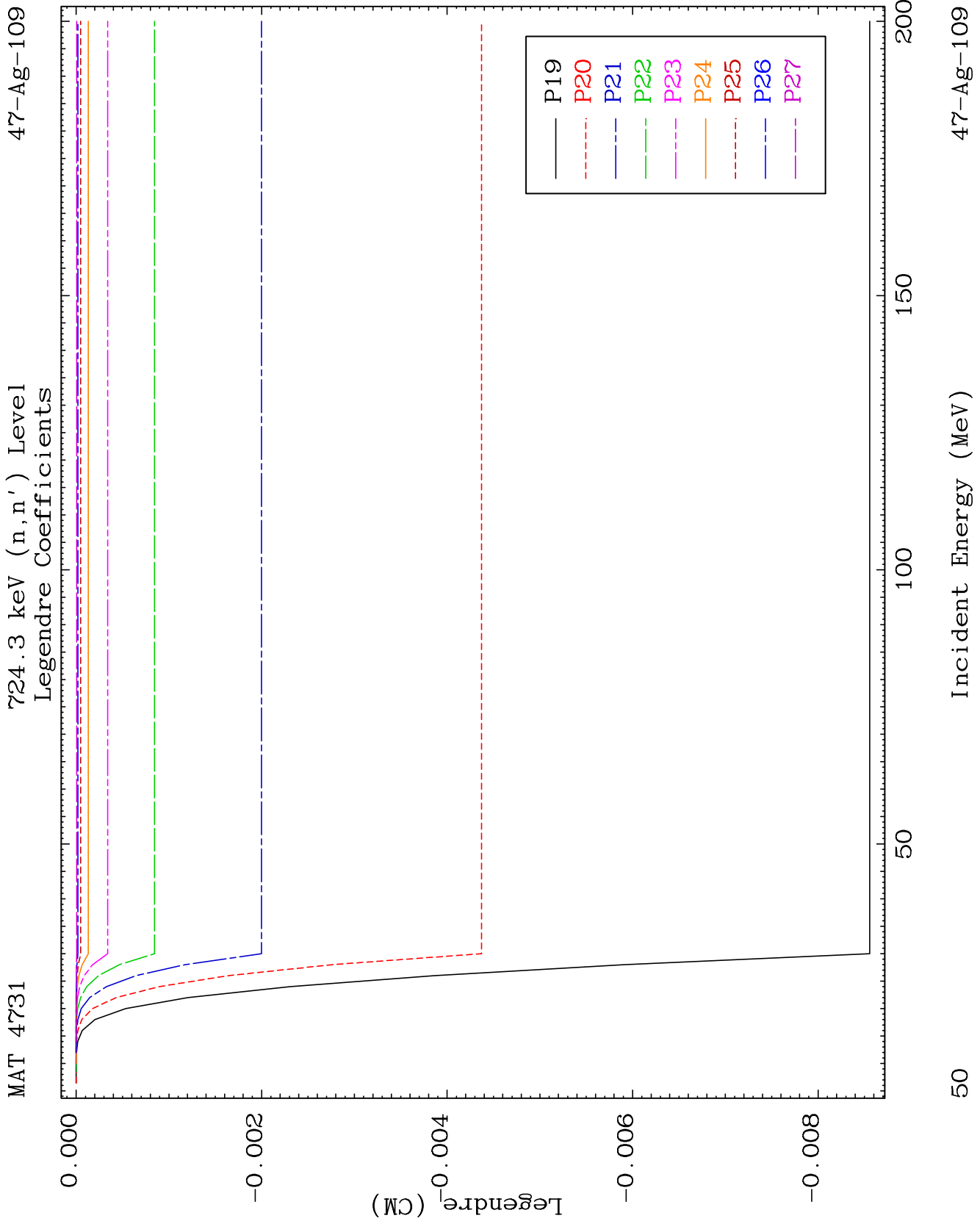


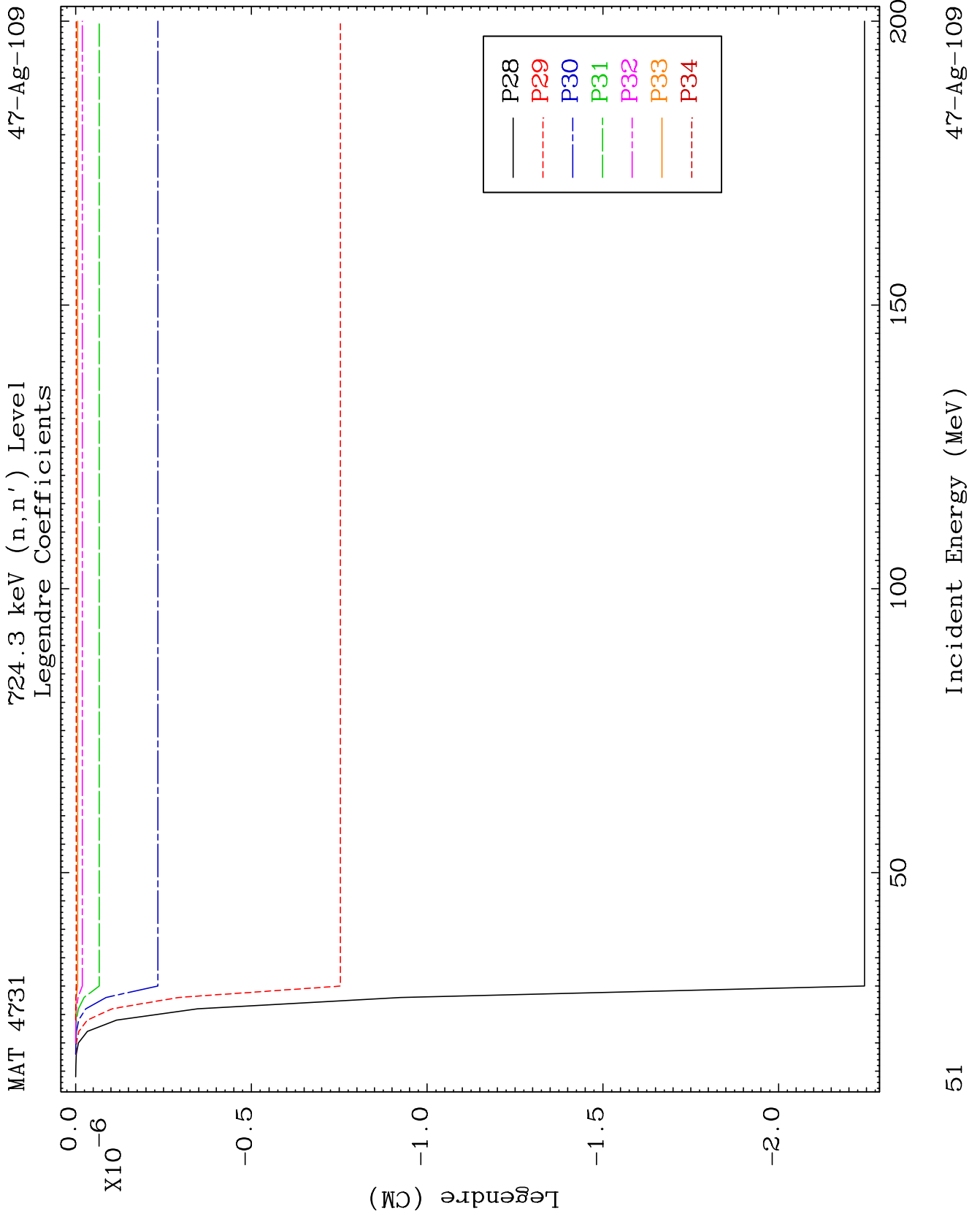
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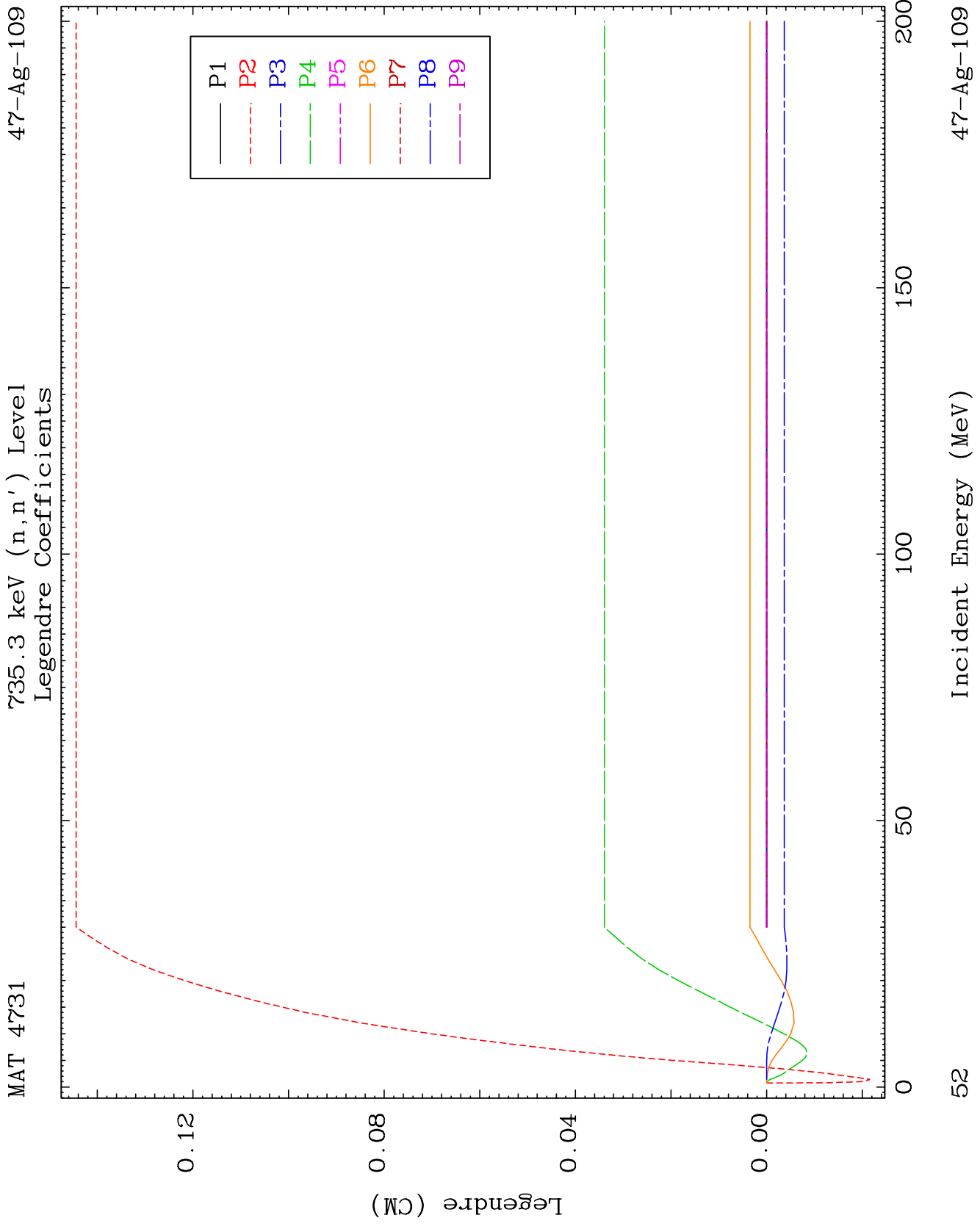
Incident Energy (MeV)

47-Ag-109

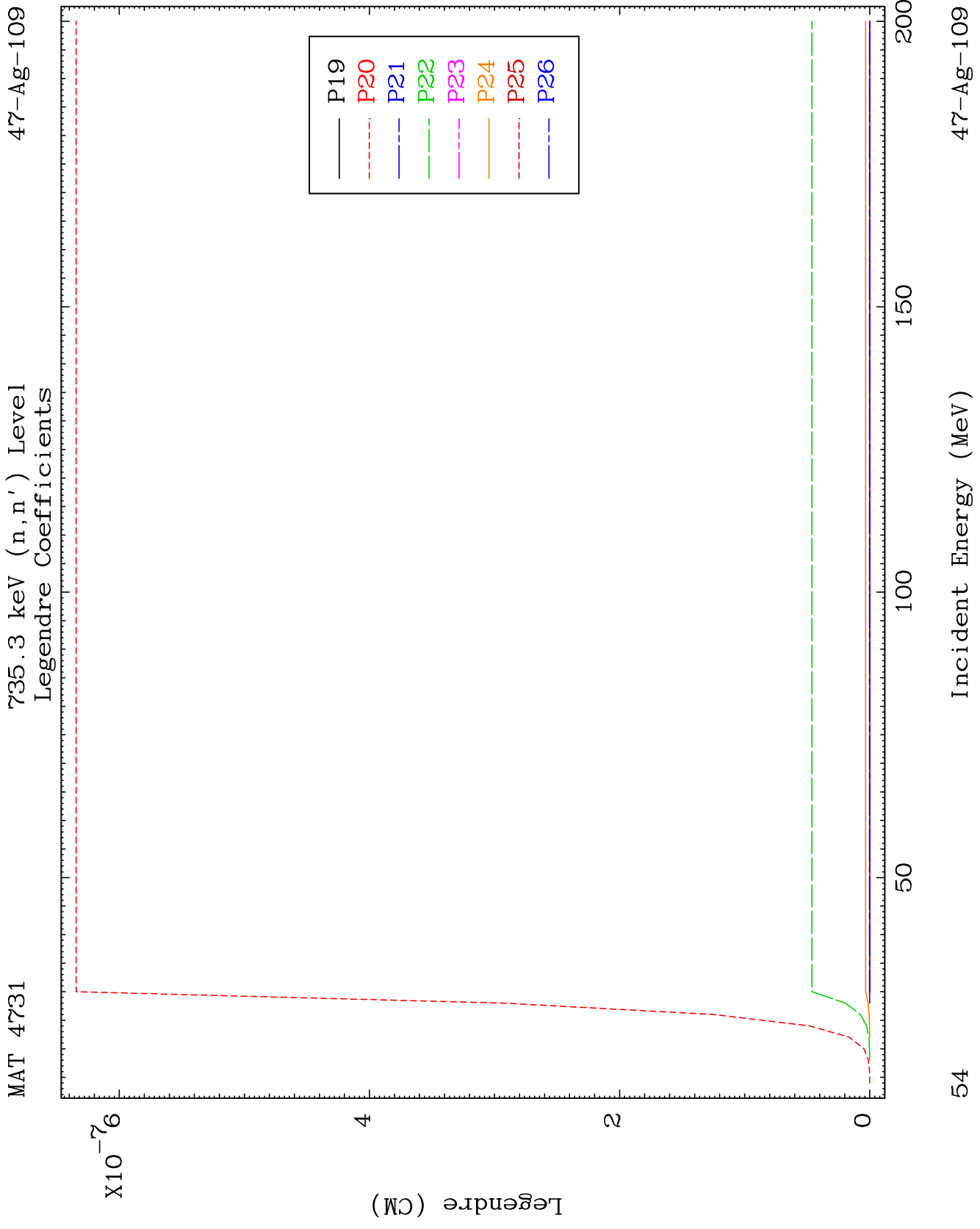


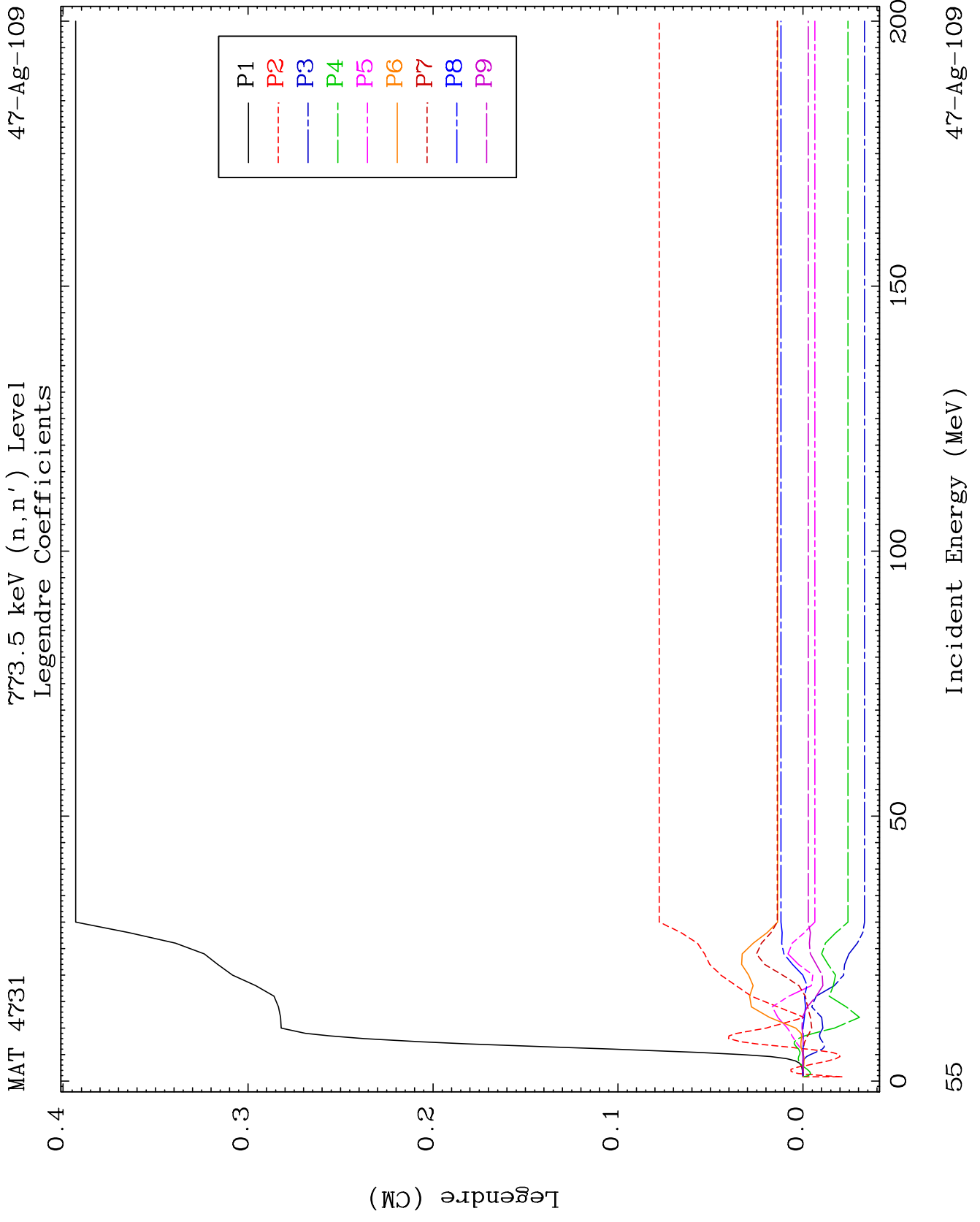










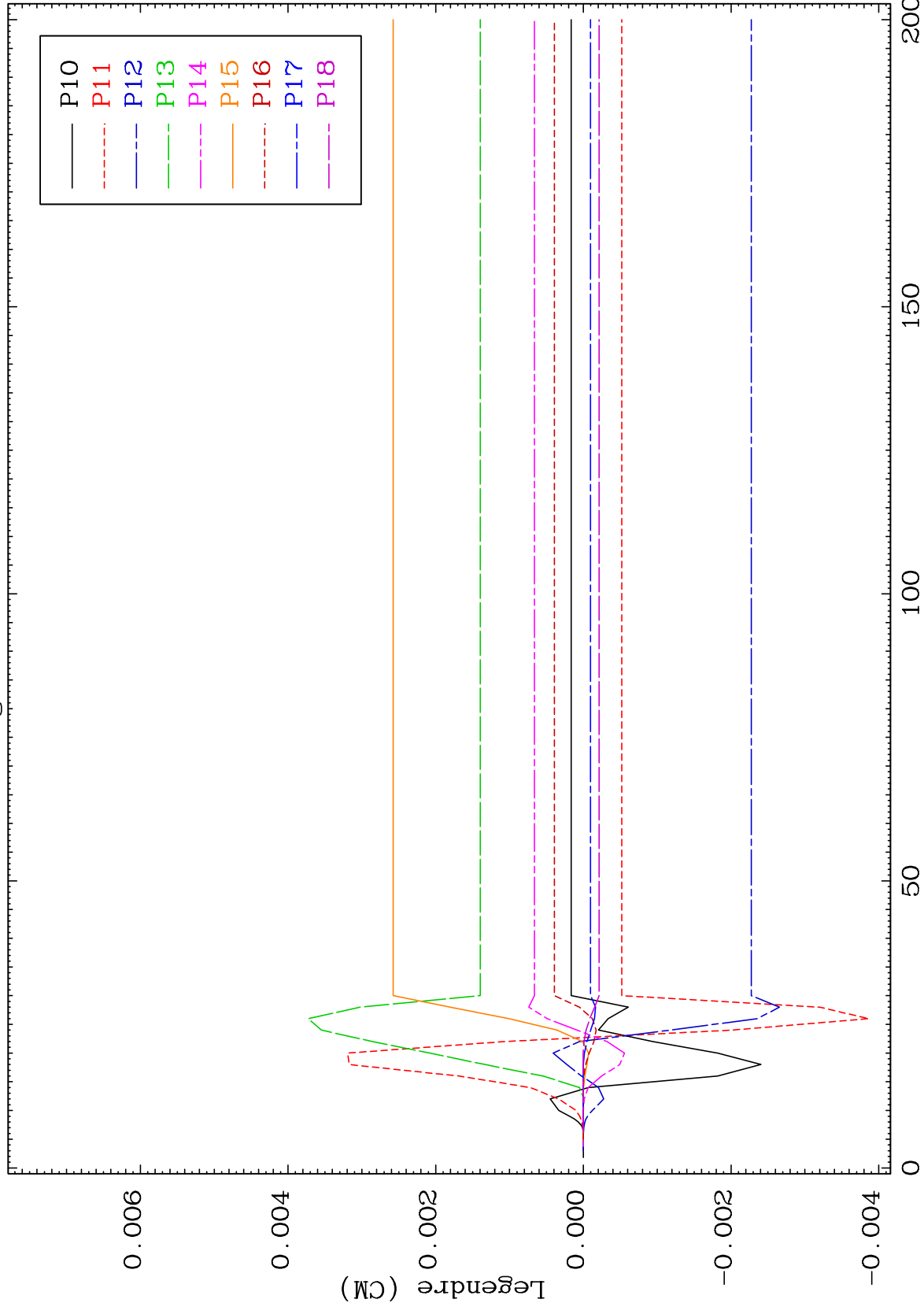




MAT 4731

773.5 keV (n,n') Level  
Legendre Coefficients

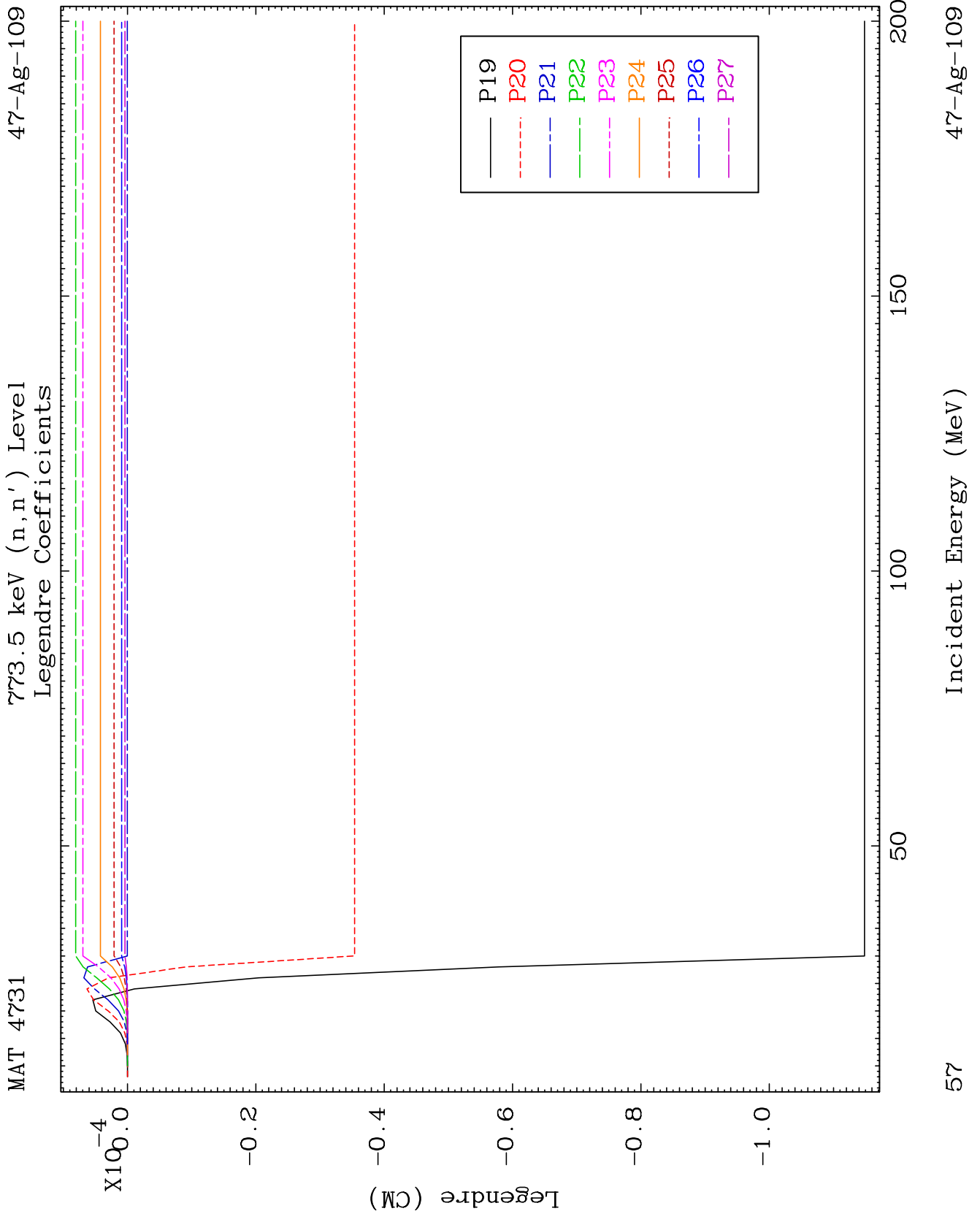
47-Ag-109



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Incident Energy (MeV)

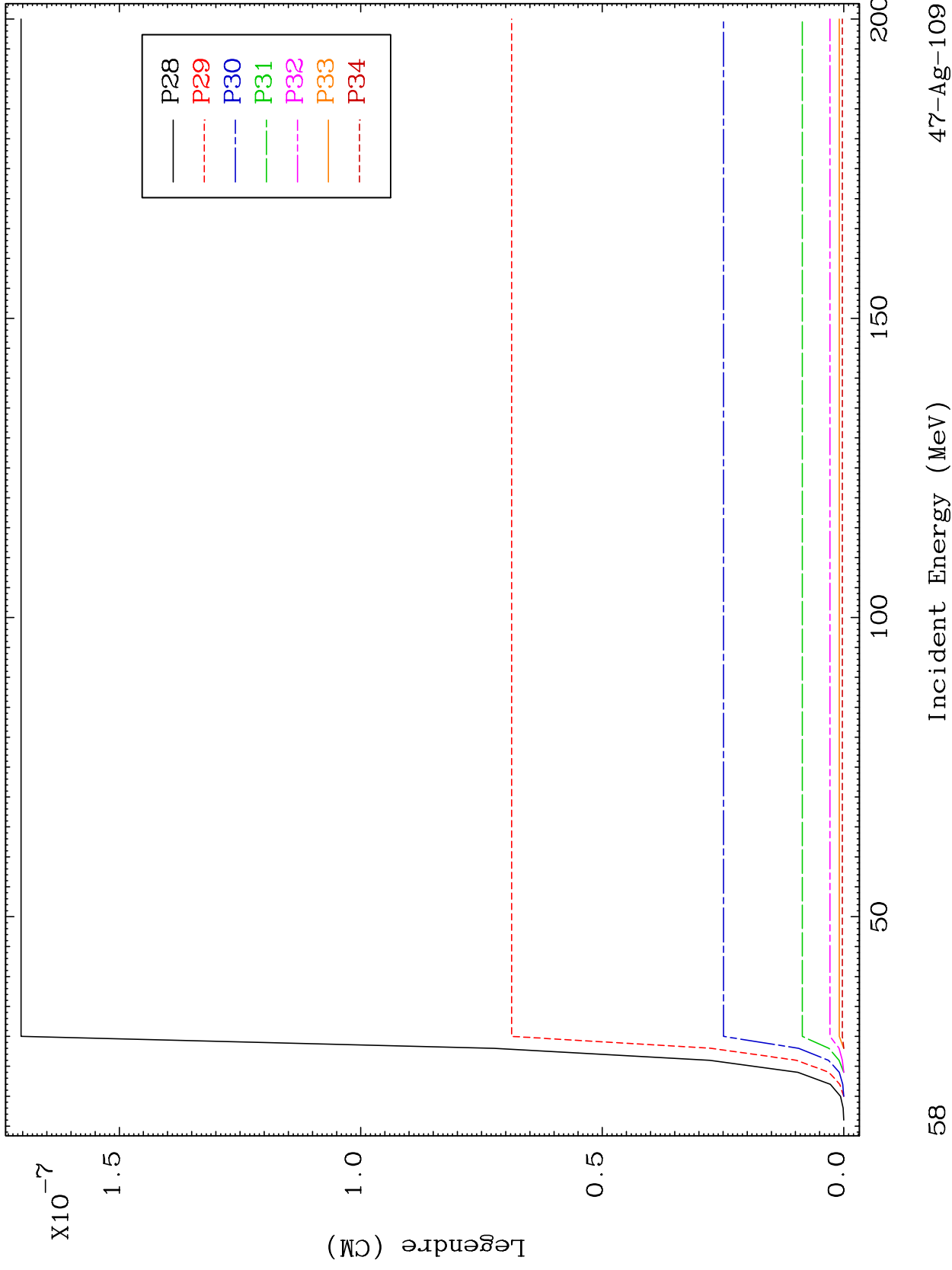
47-Ag-109



MAT 4731

773.5 keV (n,n') Level  
Legendre Coefficients

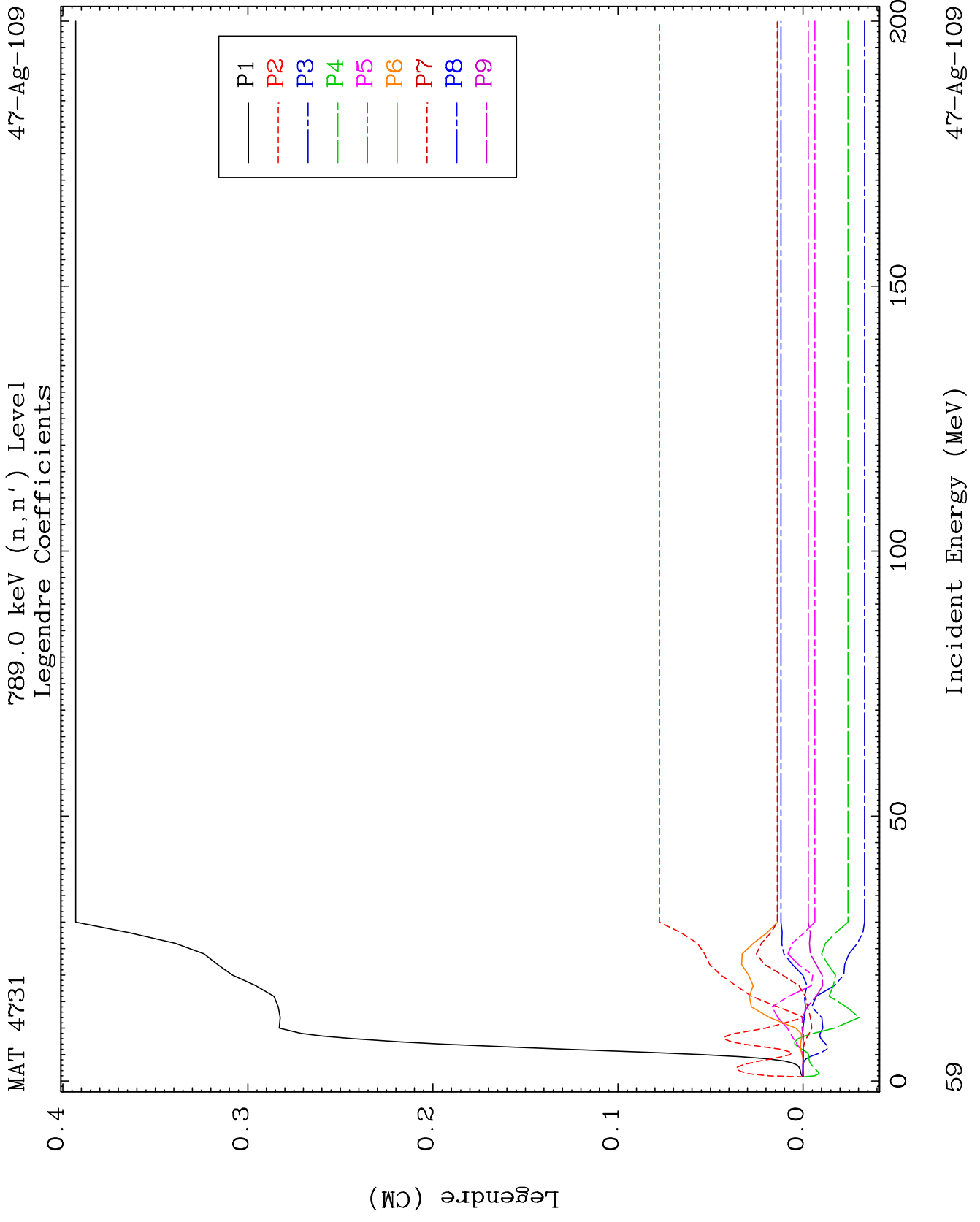
47-Ag-109



47-Ag-109

Incident Energy (MeV)

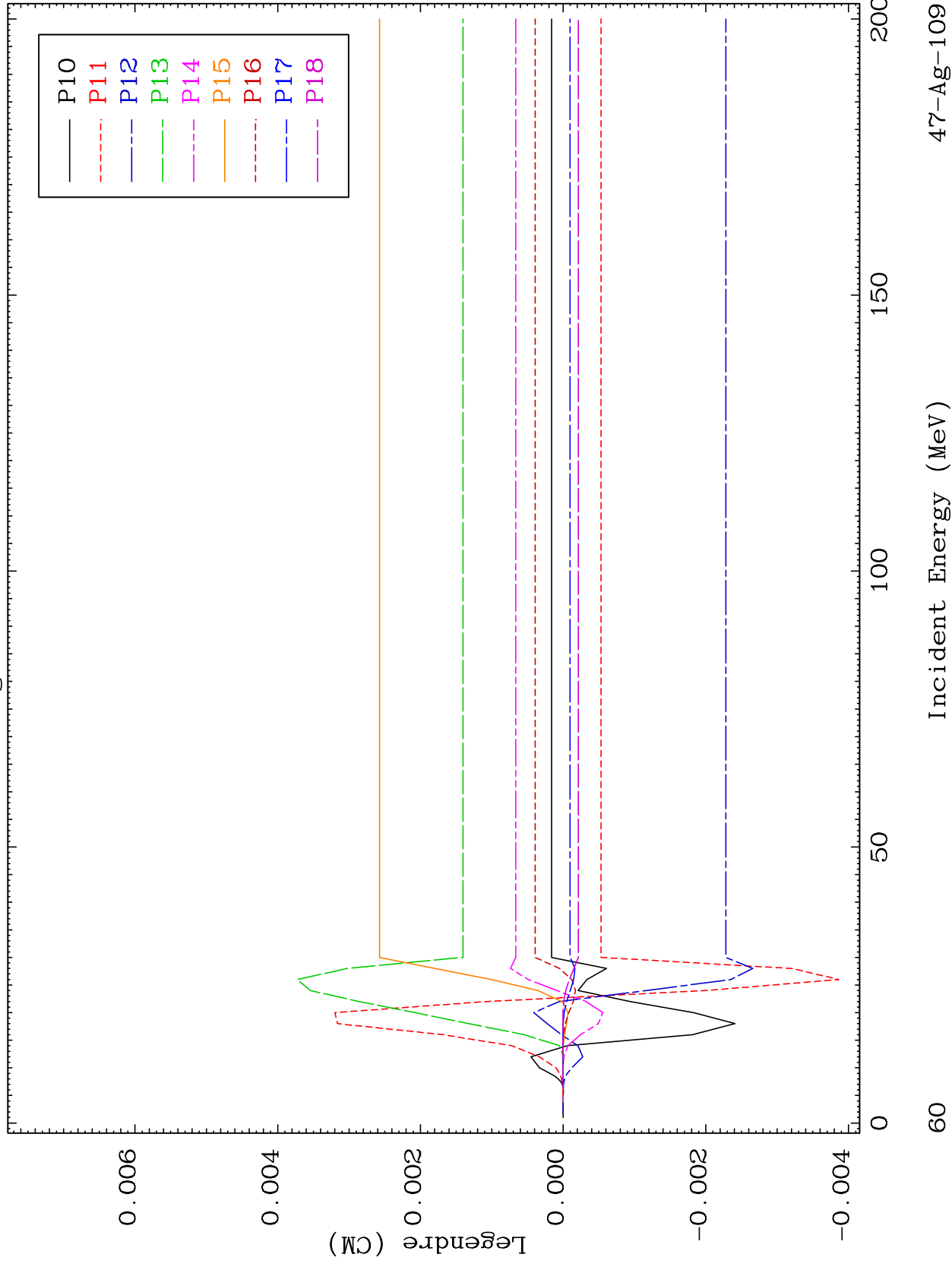
58



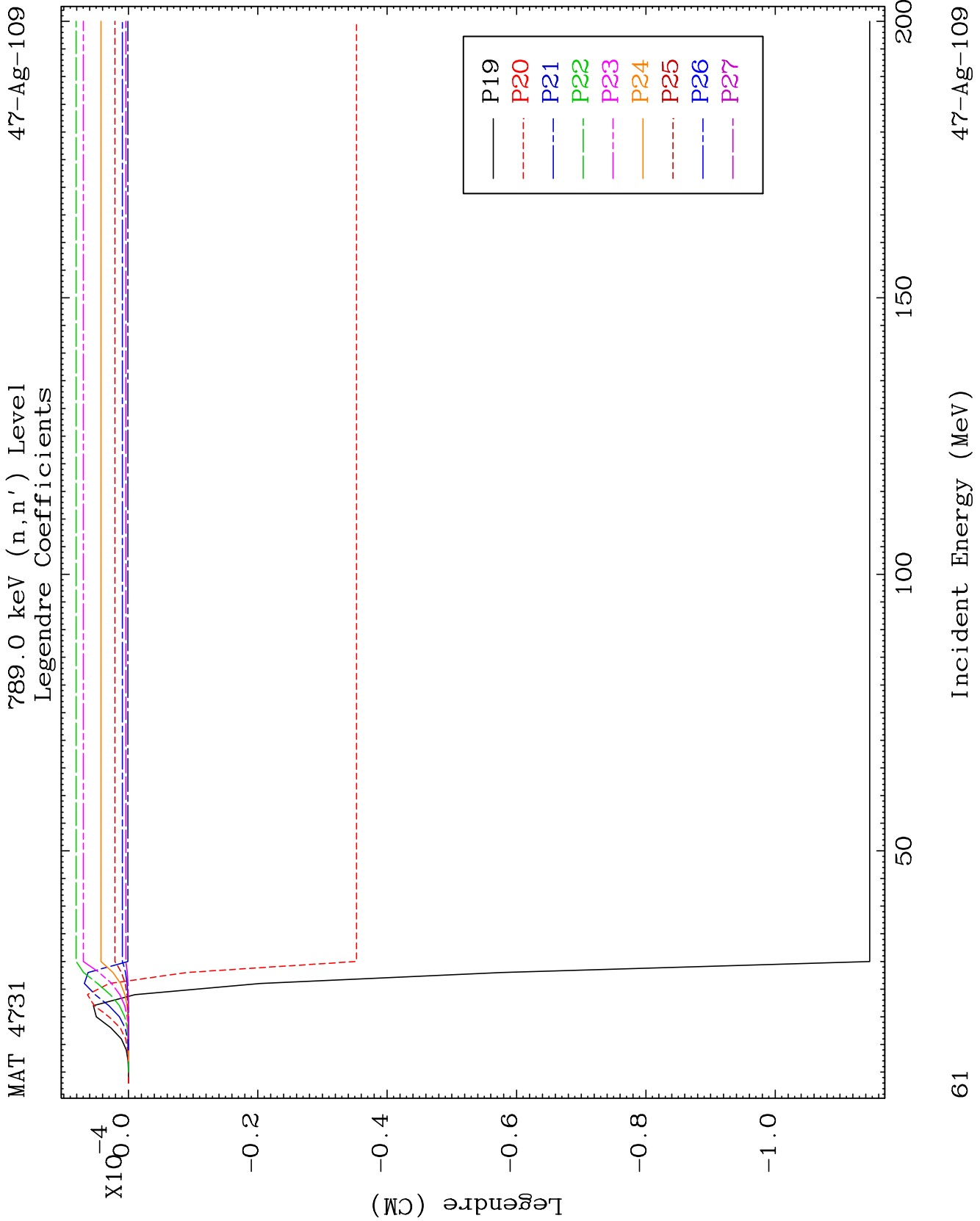
MAT 4731

789.0 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



47-Ag-109



MAT 4731

789.0 keV (n,n') Level  
Legendre Coefficients

47-Ag-109

$\times 10^{-7}$

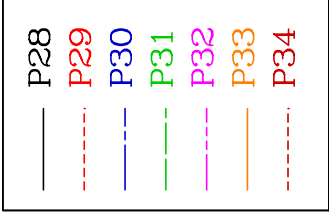
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Legendre (CM)

1.0

0.5

0.0



50

100

150

200

62

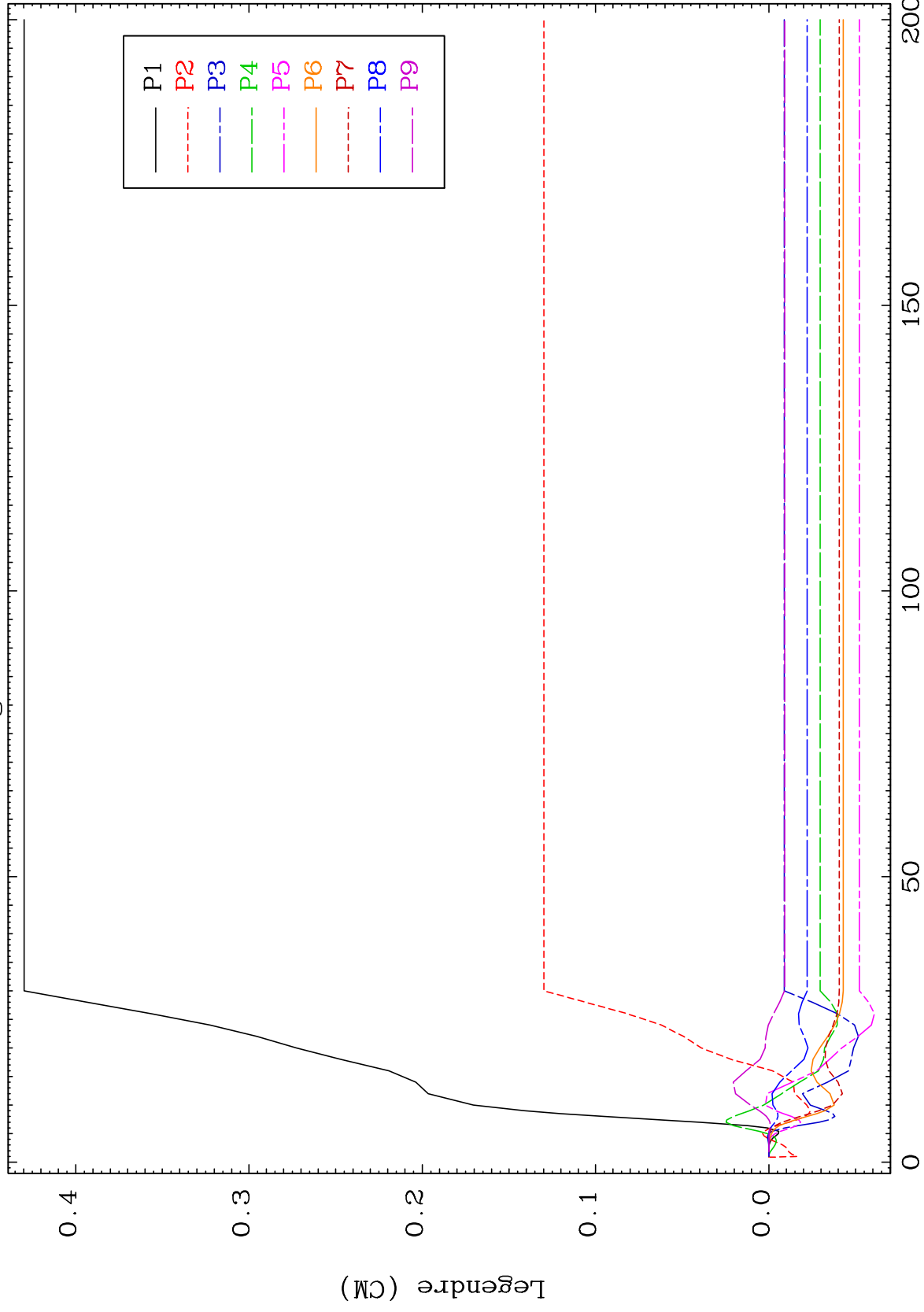
Incident Energy (MeV)

47-Ag-109

MAT 4731

862.8 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



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Incident Energy (MeV)

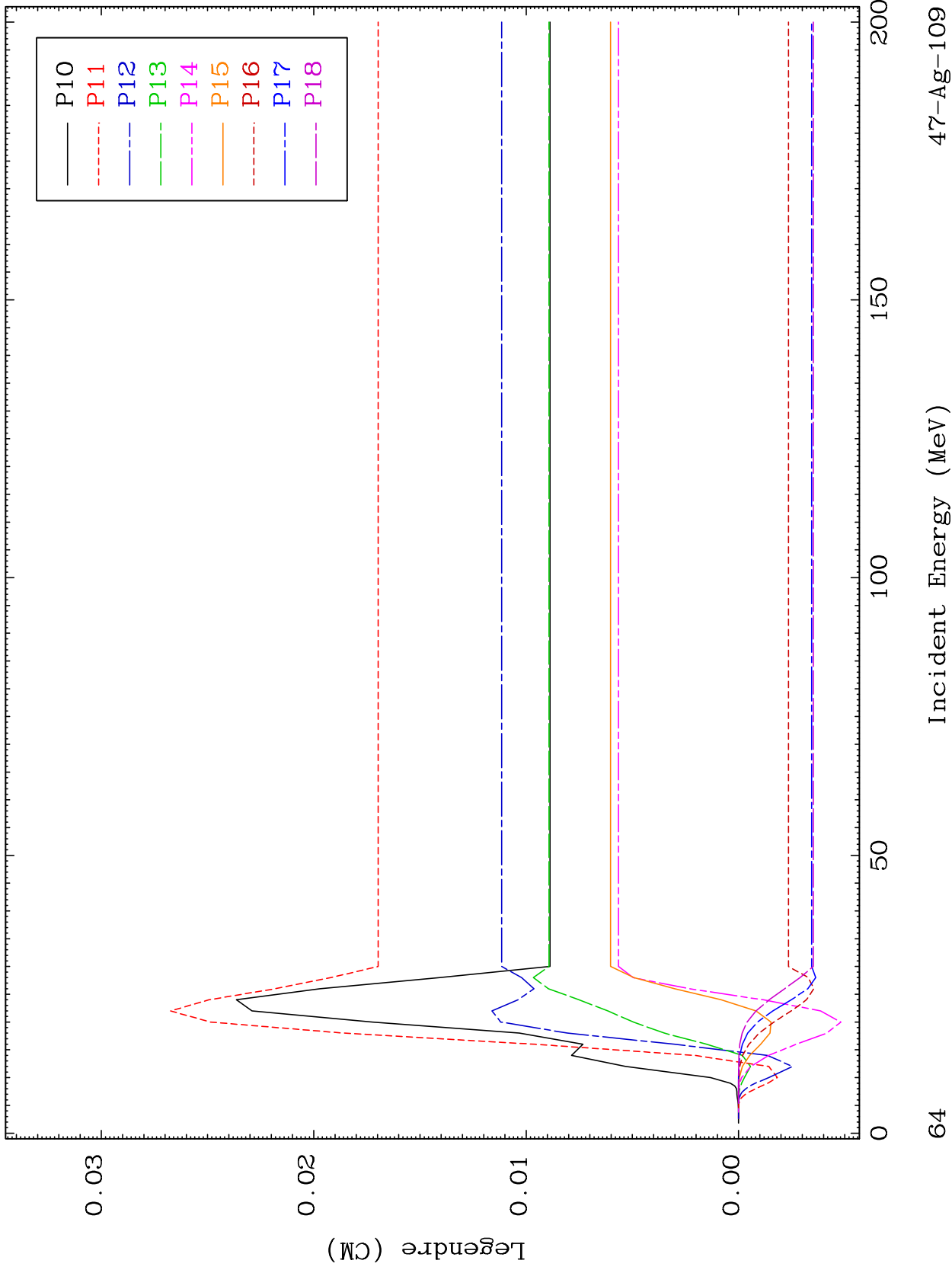
47-Ag-109



MAT 4731

862.8 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



47-Ag-109

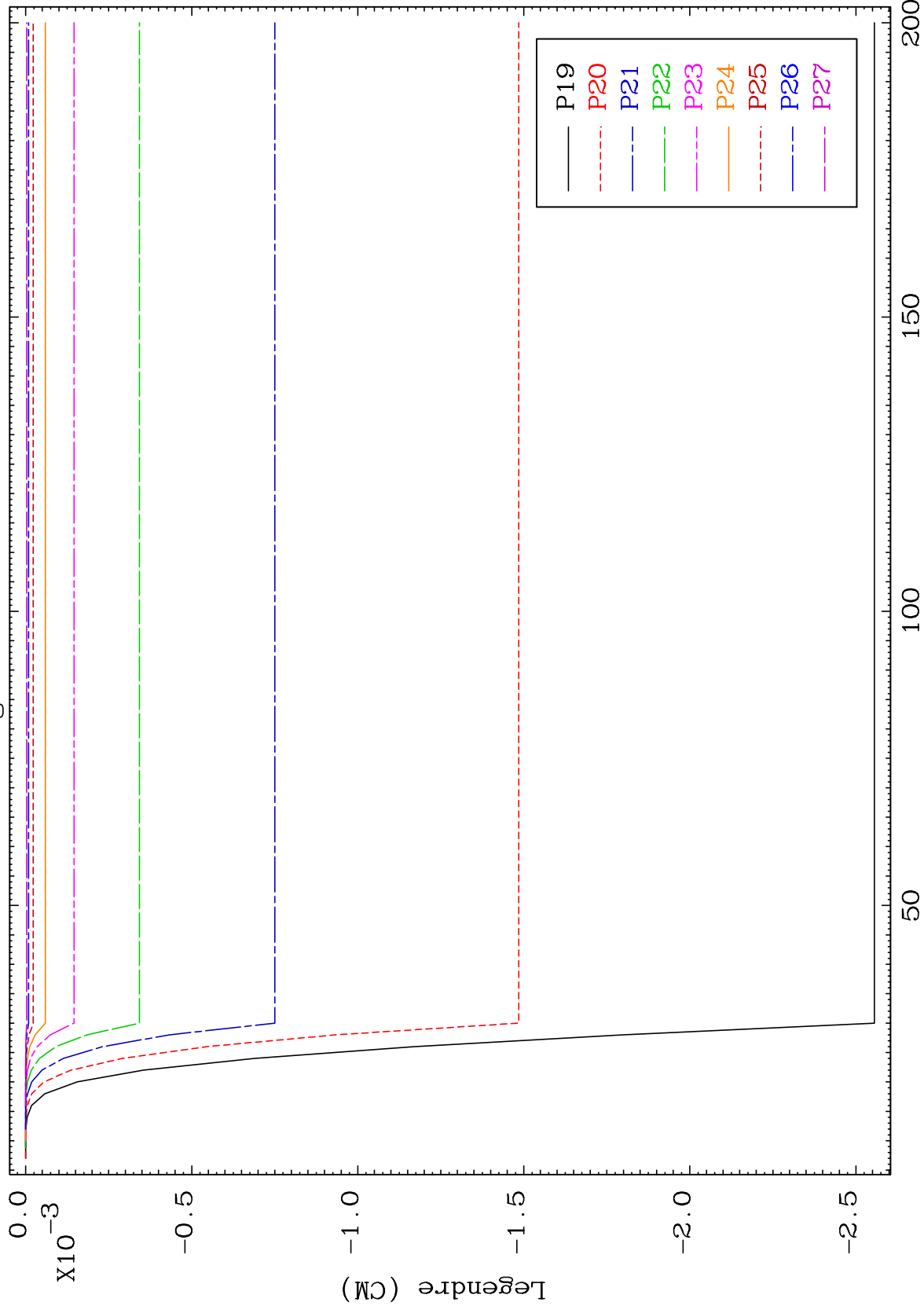
Incident Energy (MeV)

64

MAT 4731

862.8 keV (n,n') Level  
Legendre Coefficients

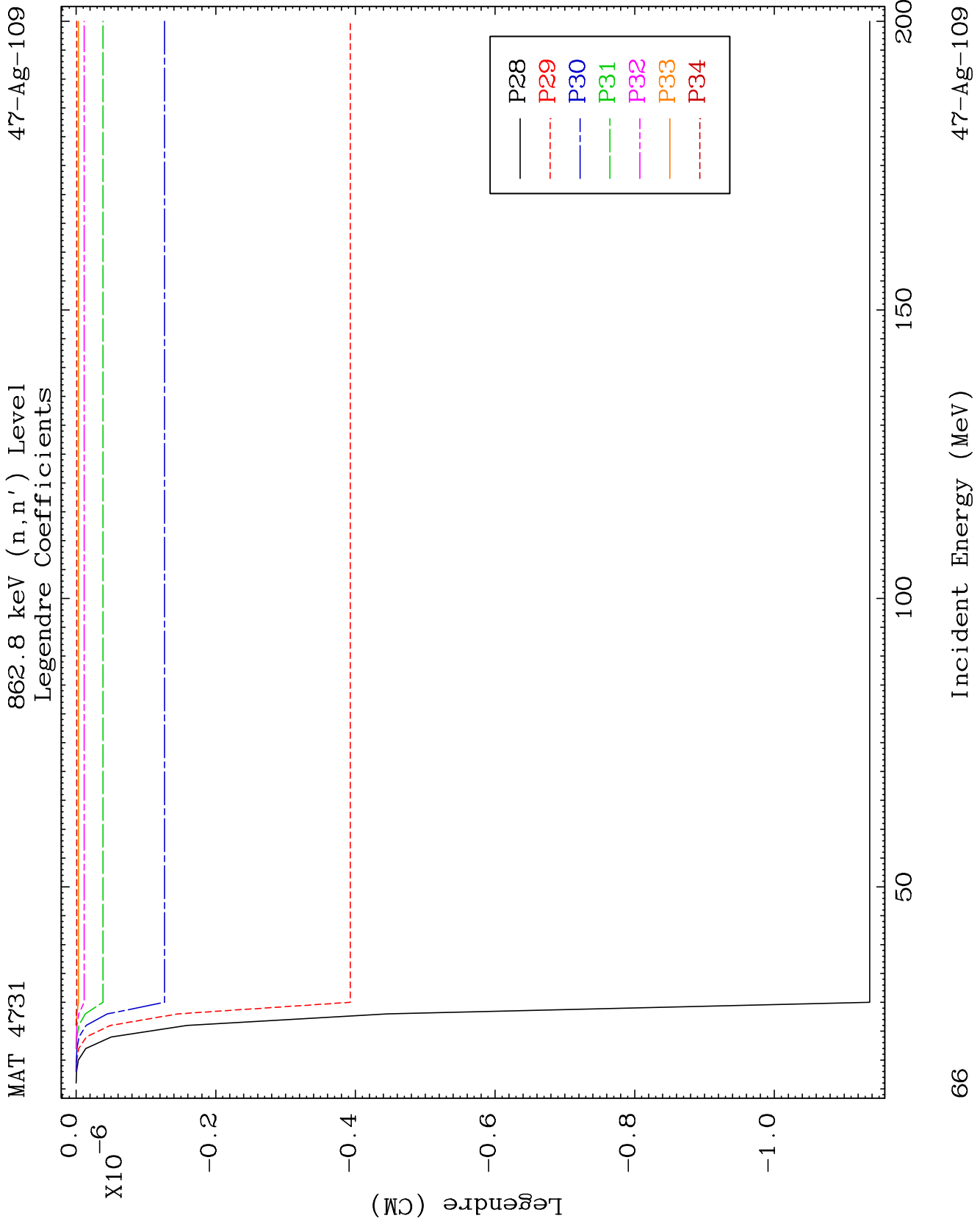
47-Ag-109



65

Incident Energy (MeV)

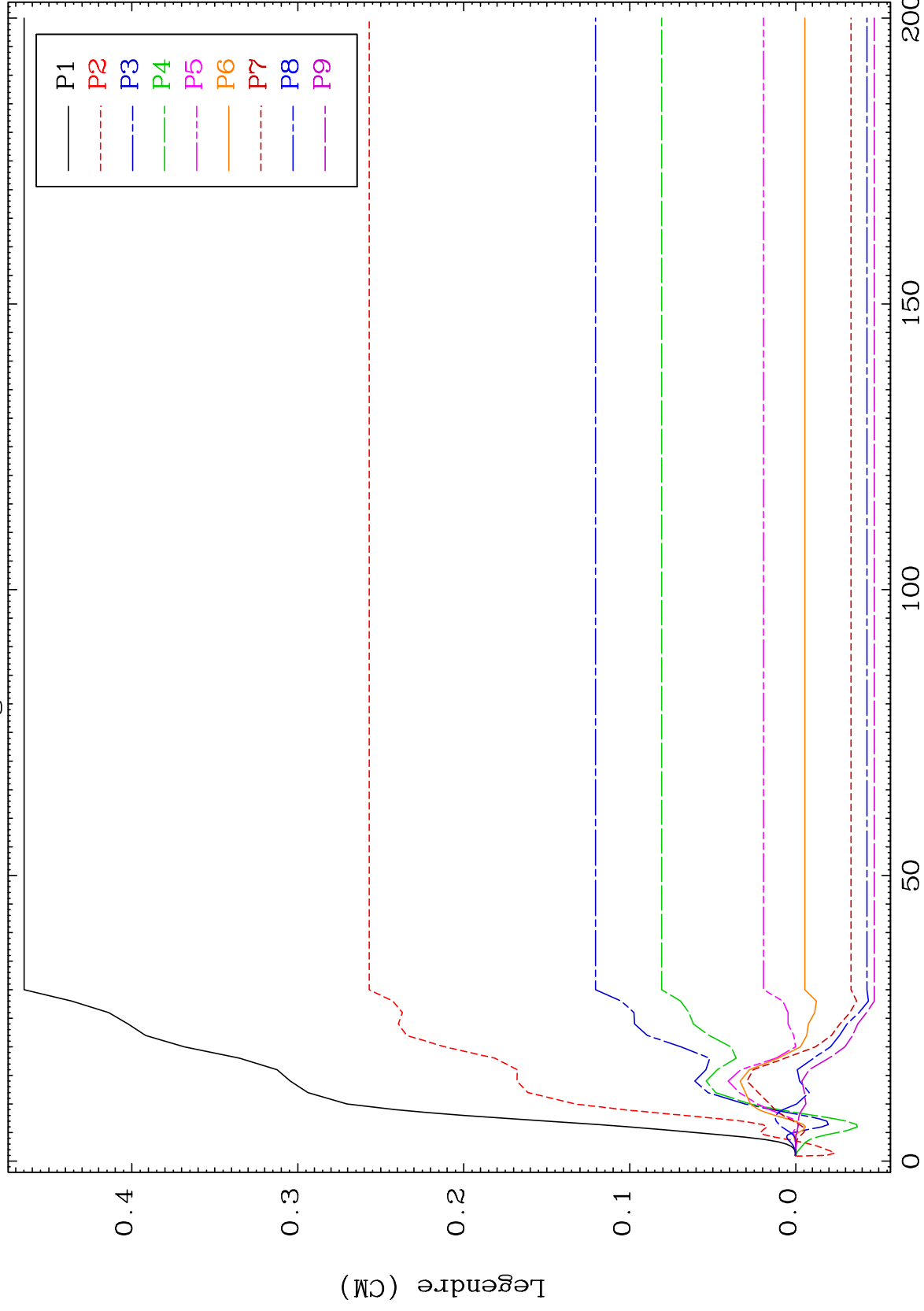
47-Ag-109



MAT 4731

869.5 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



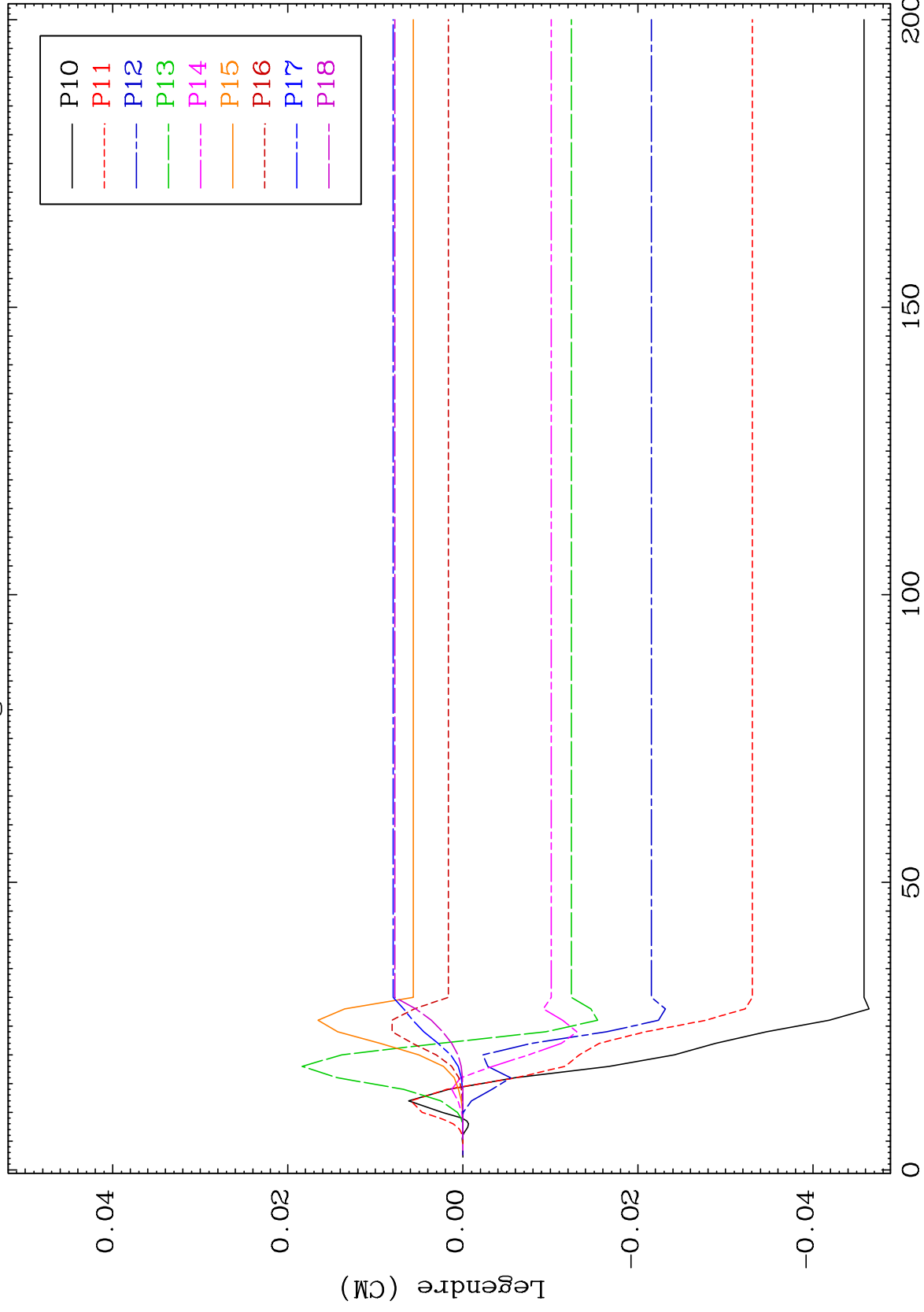
67

47-Ag-109

MAT 4731

869.5 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



68

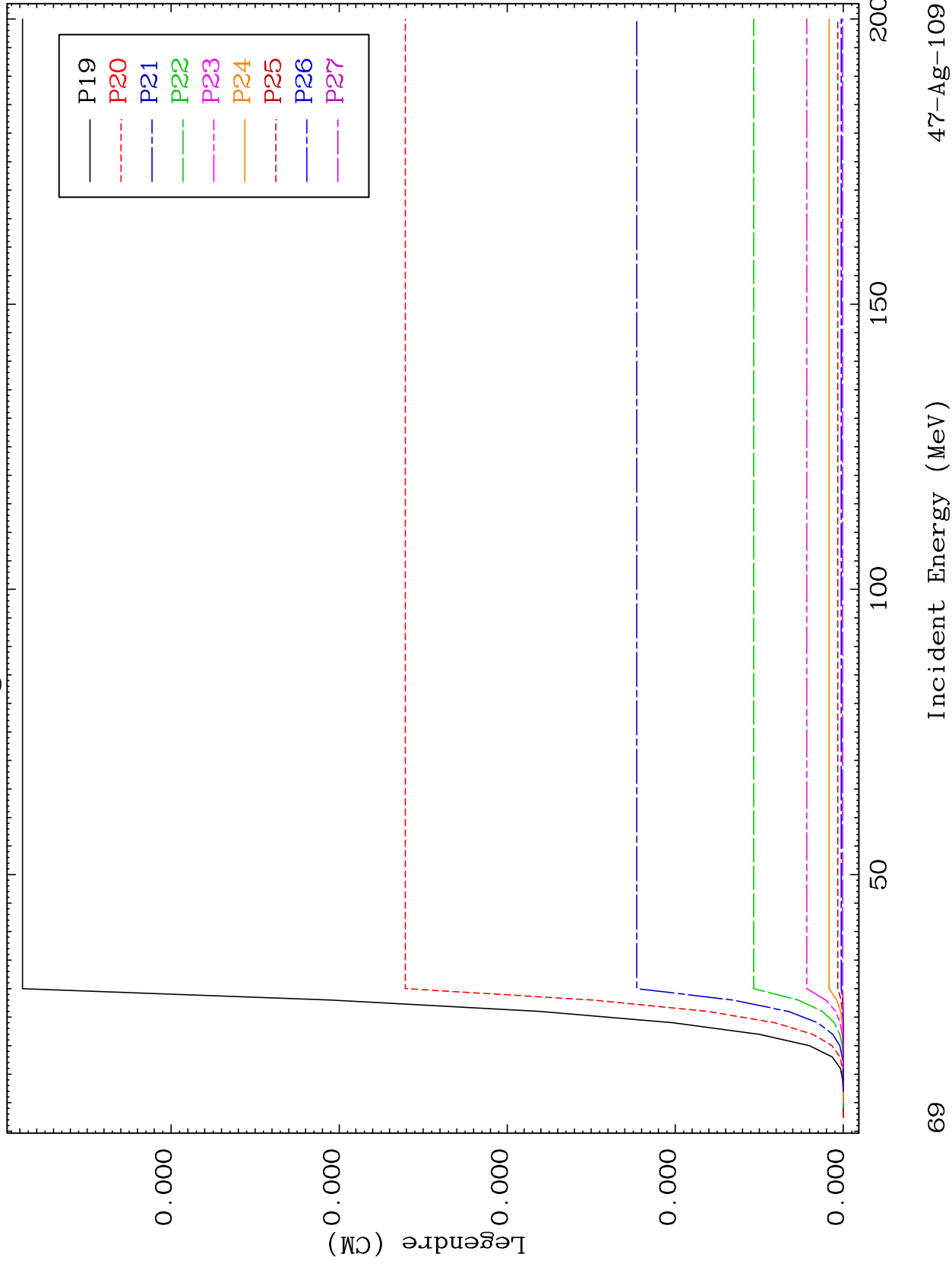
Incident Energy (MeV)

47-Ag-109

MAT 4731

869.5 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



69

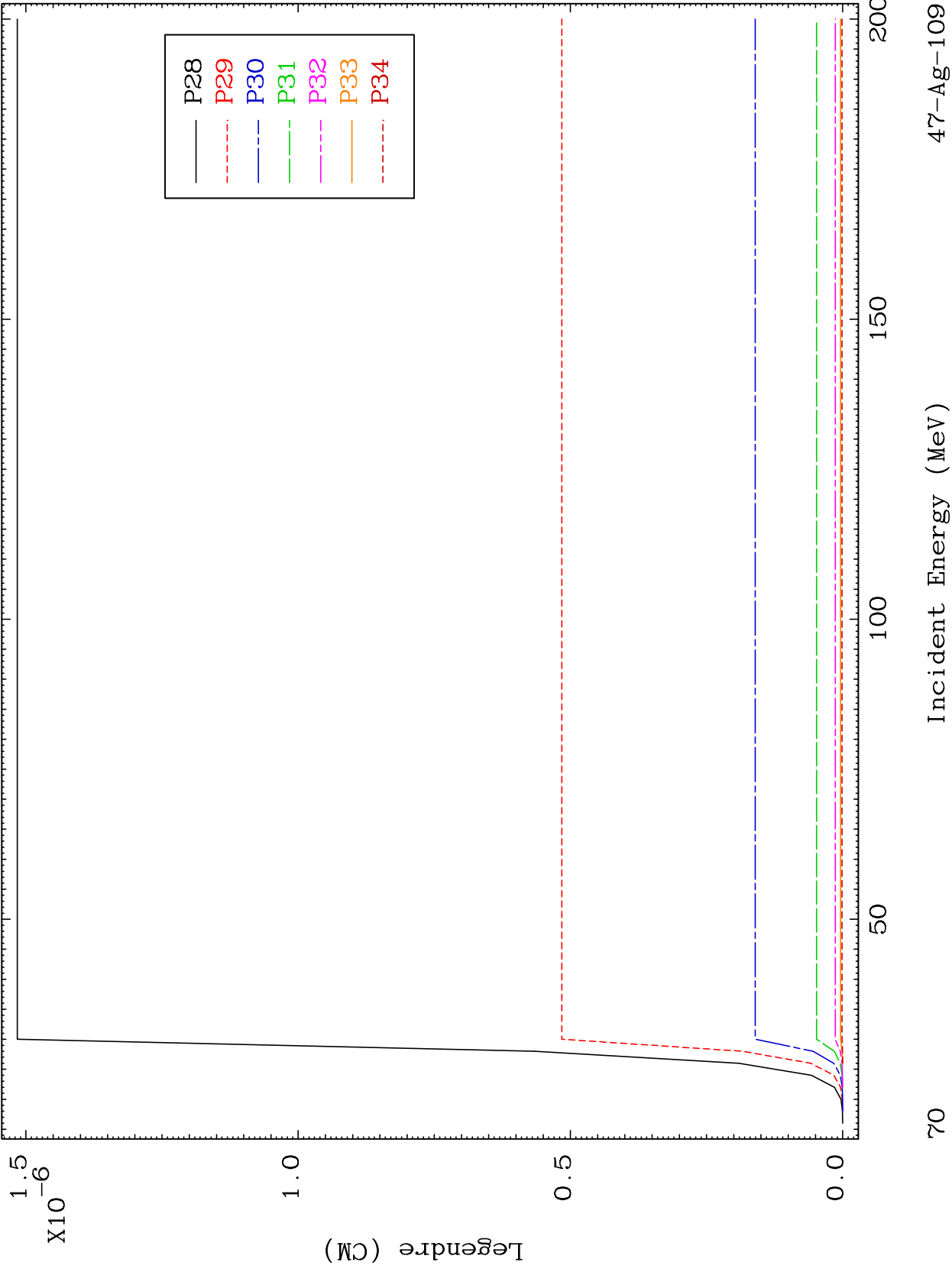
Incident Energy (MeV)

47-Ag-109

MAT 4731

869.5 keV (n,n') Level  
Legendre Coefficients

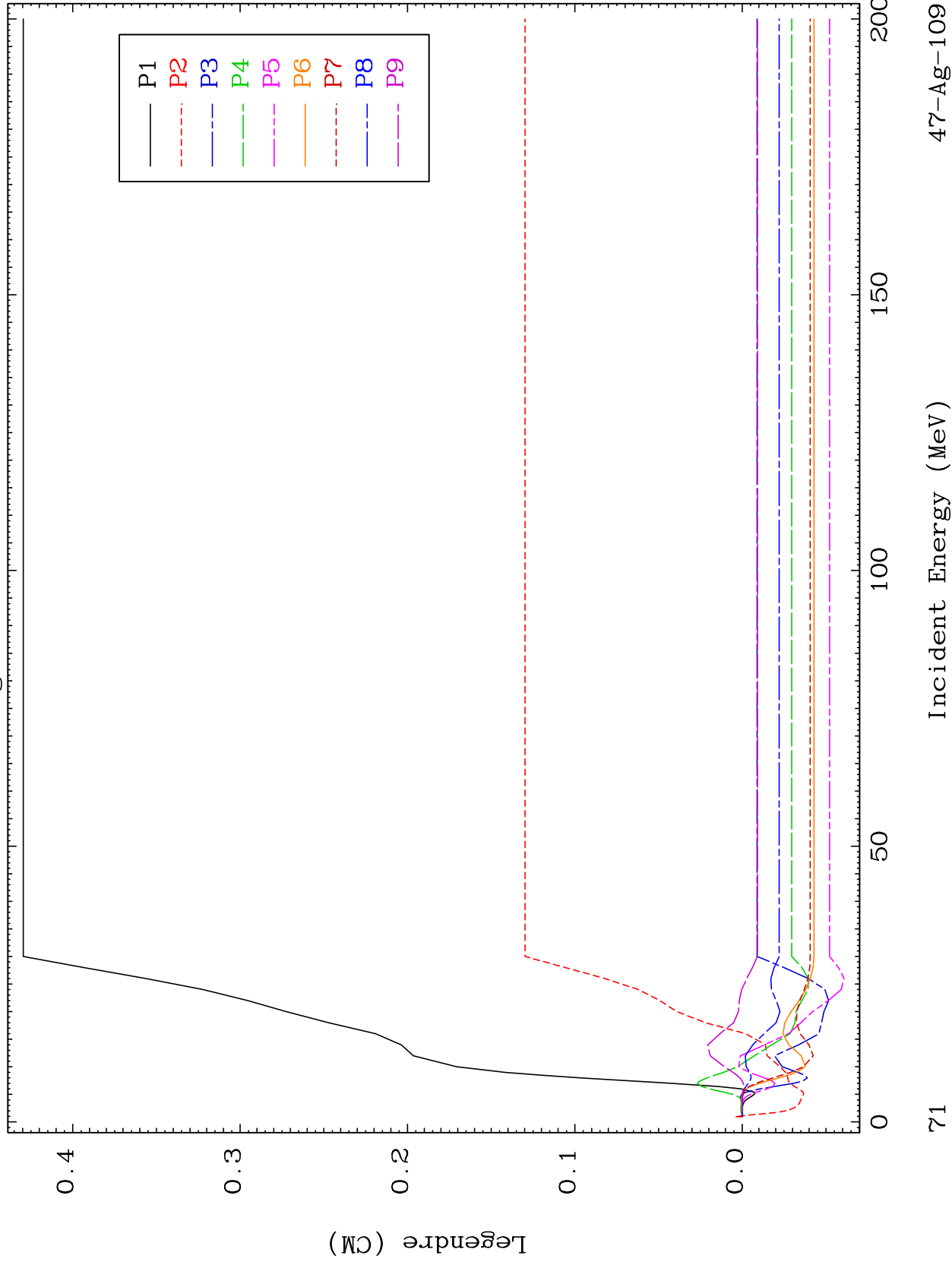
47-Ag-109



MAT 4731

880.0 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



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Incident Energy (MeV)

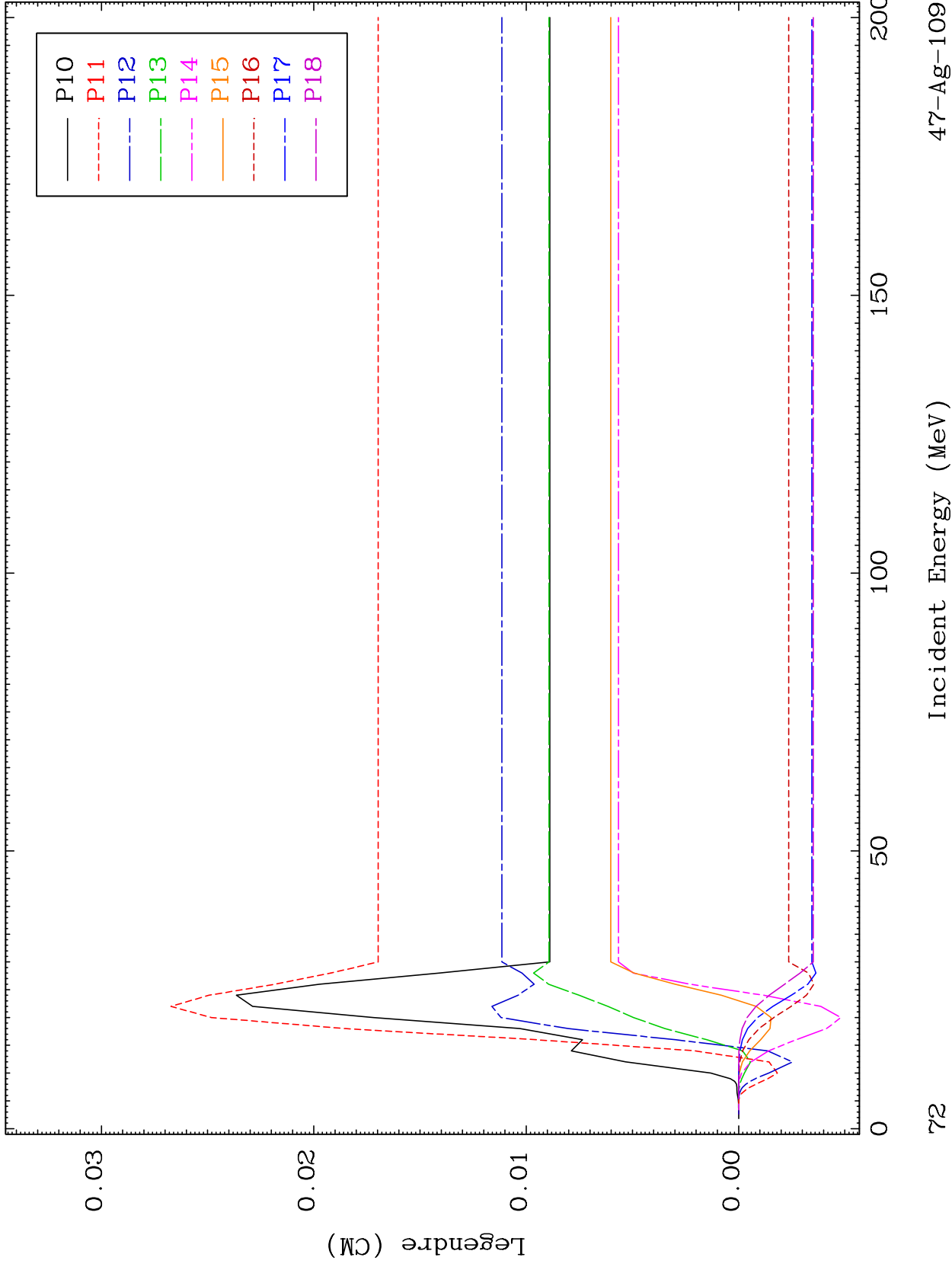
47-Ag-109



MAT 4731

880.0 keV (n,n') Level  
Legendre Coefficients

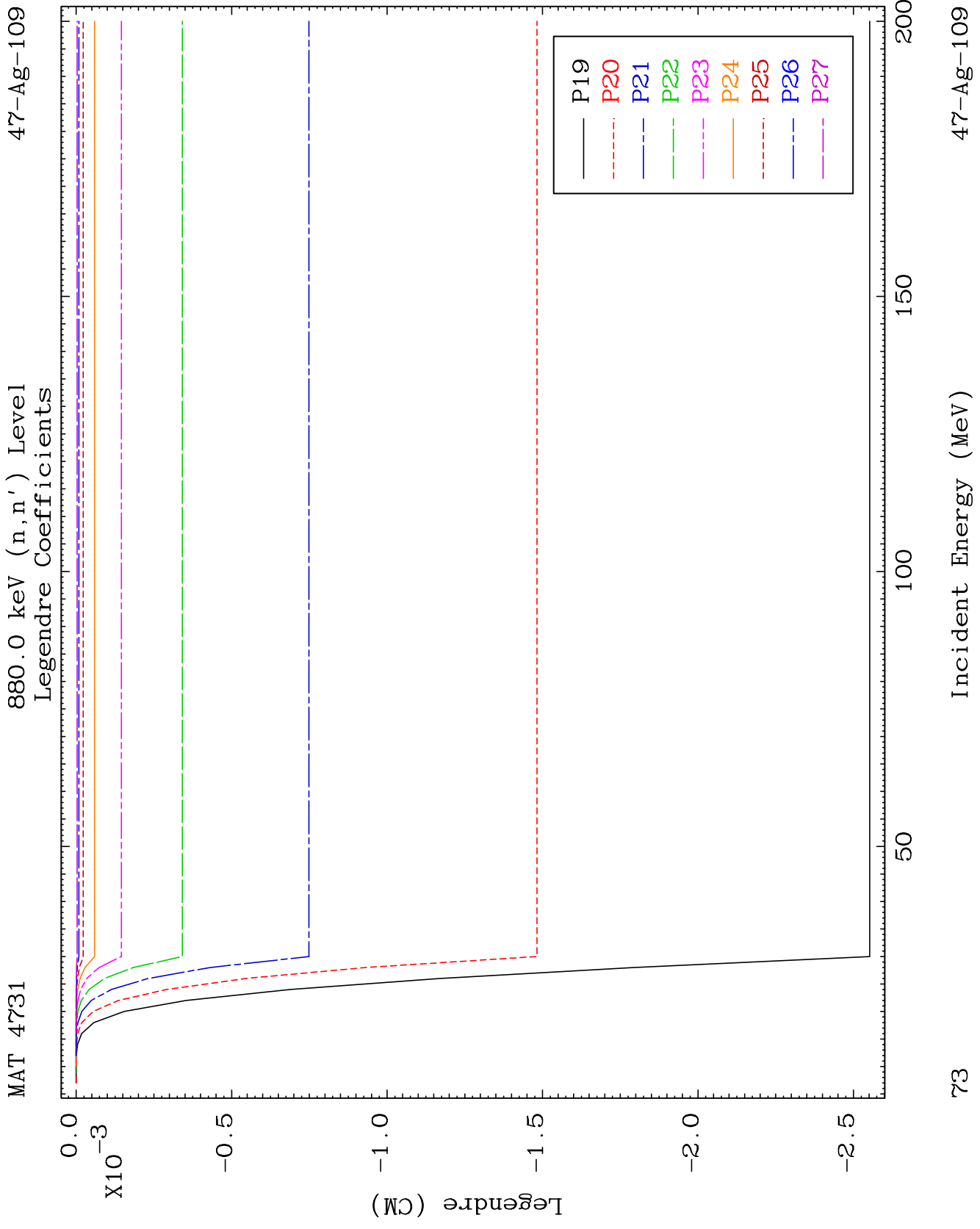
47-Ag-109

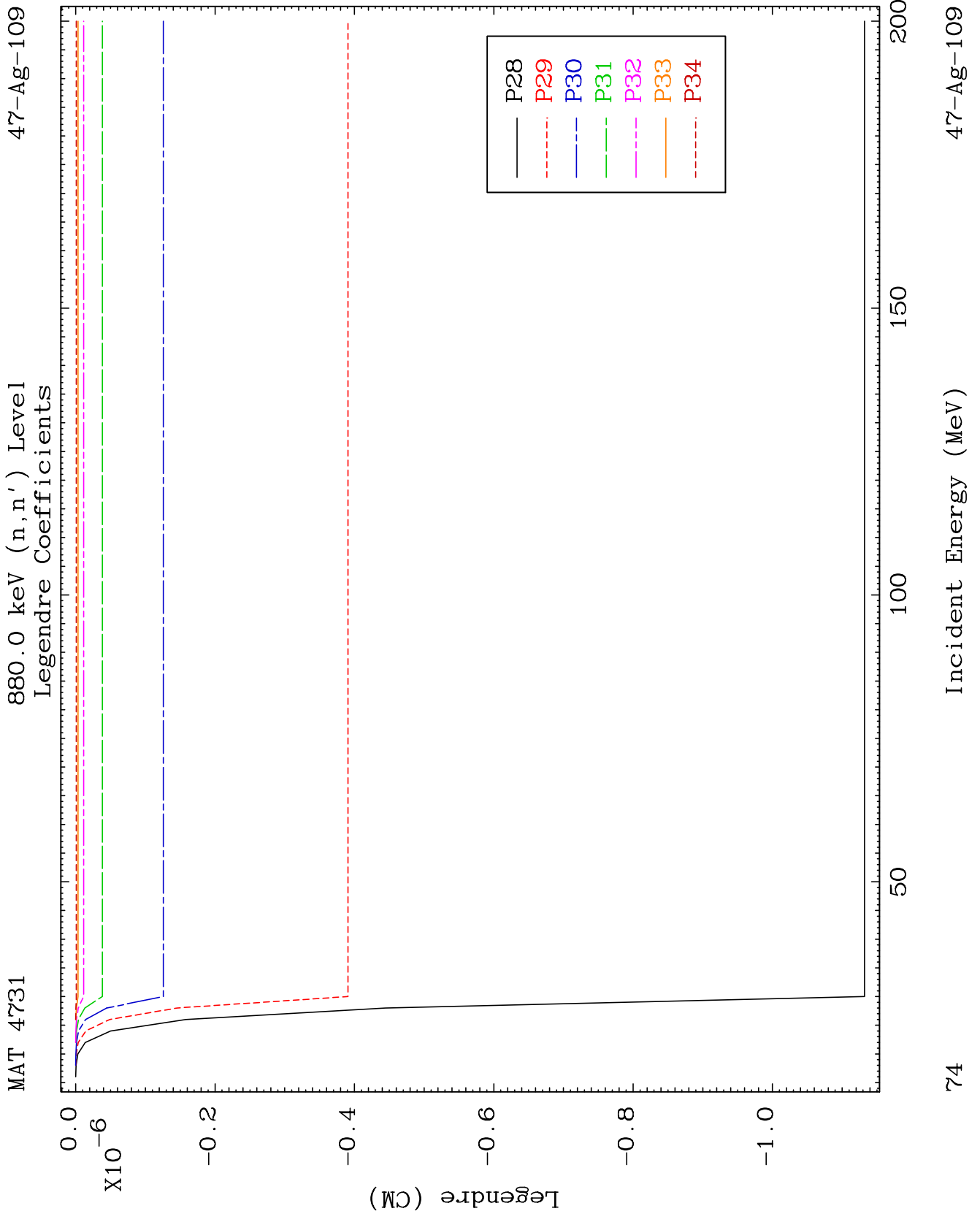


72

Incident Energy (MeV)

47-Ag-109

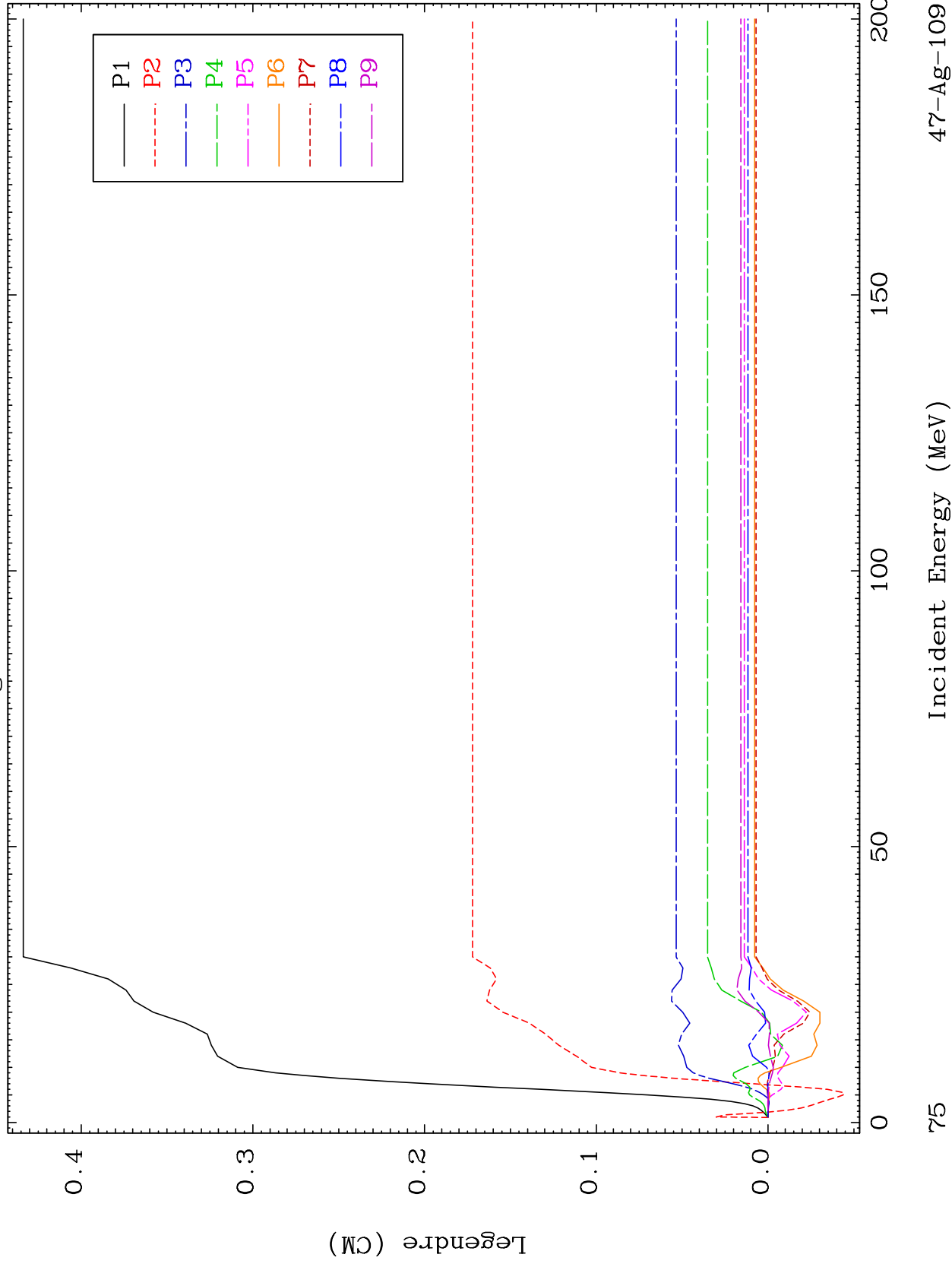




MAT 4731

890.0 keV (n,n') Level  
Legendre Coefficients

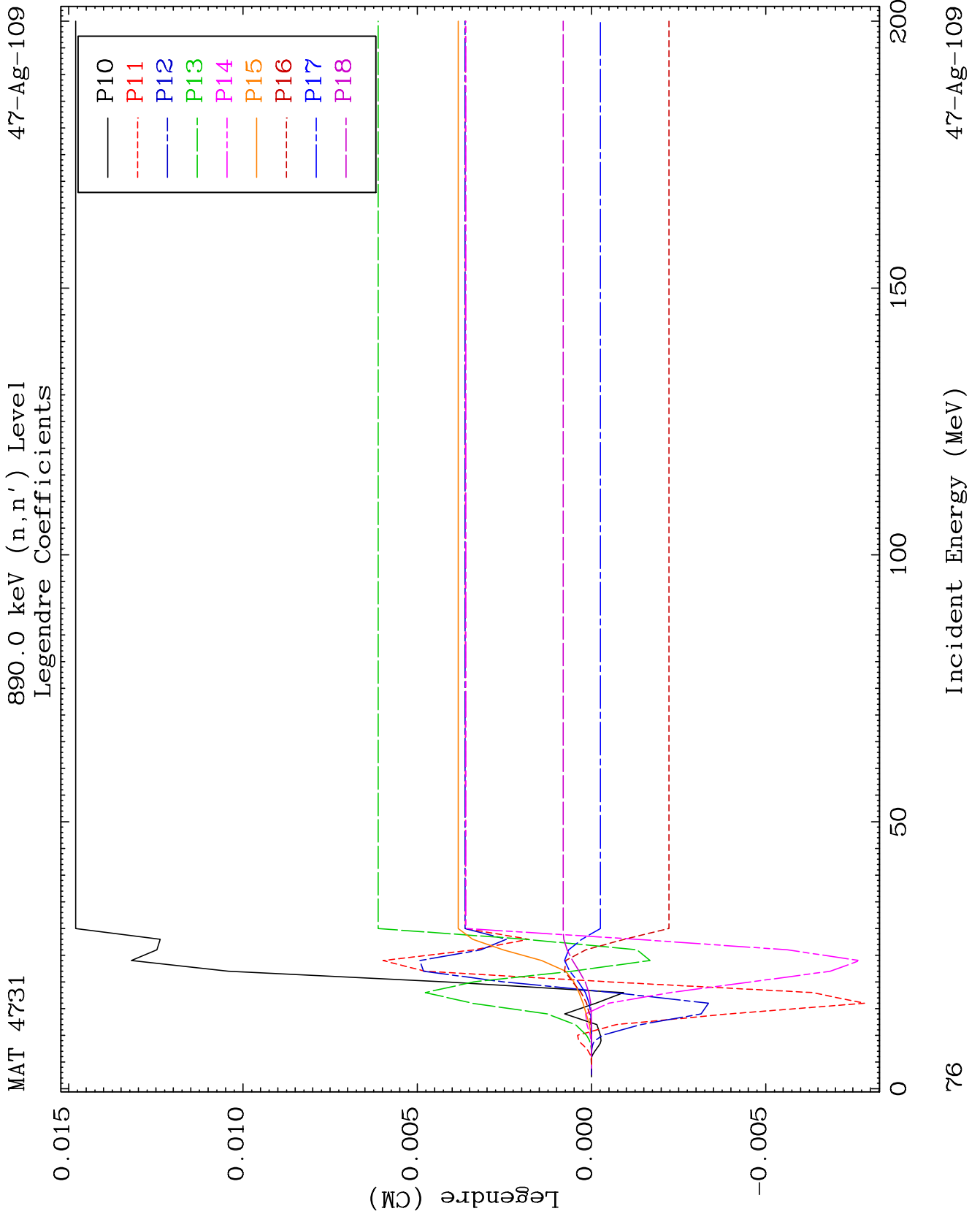
47-Ag-109



47-Ag-109

Incident Energy (MeV)

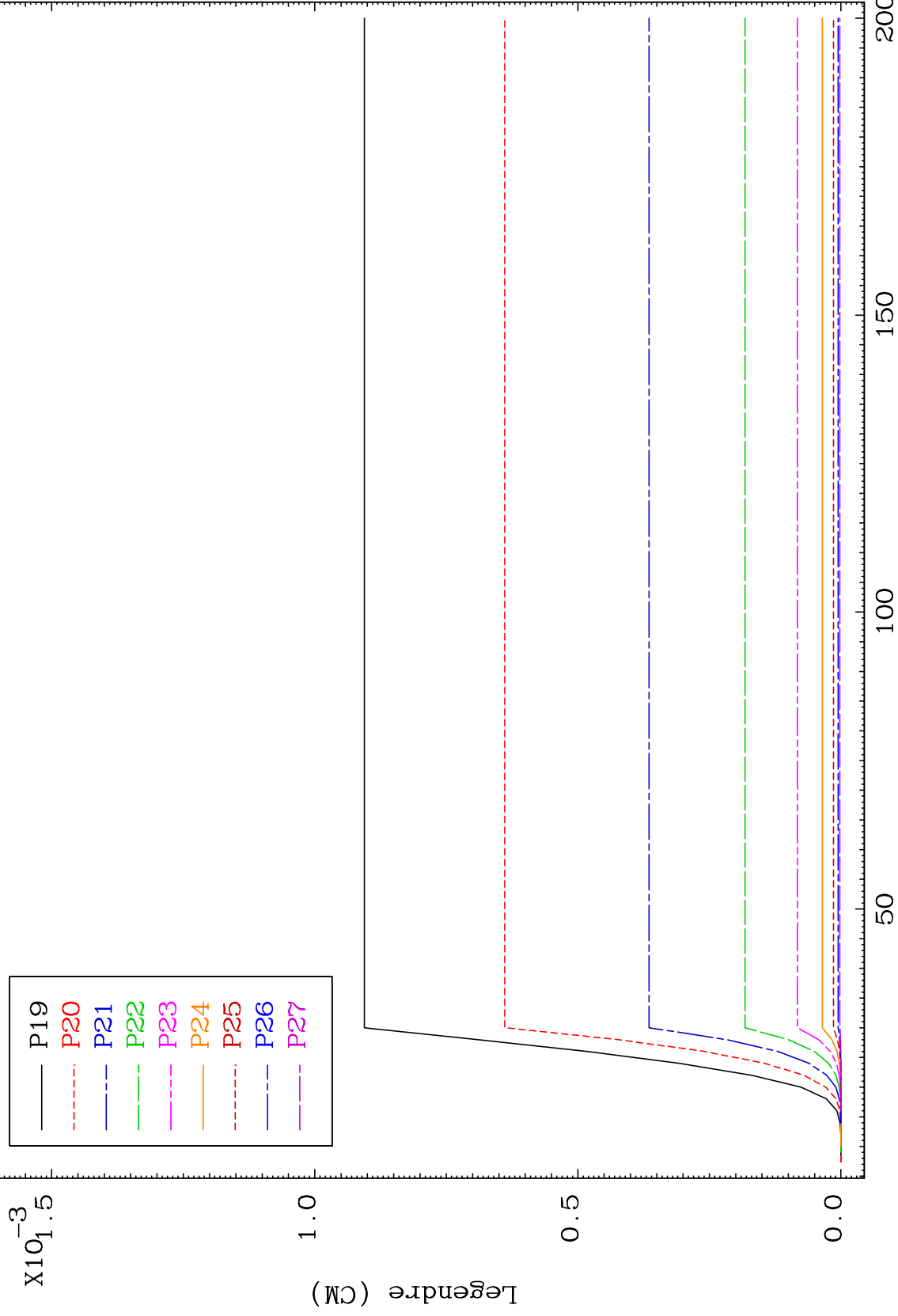
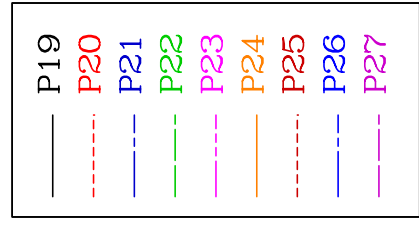
75



MAT 4731

890.0 keV (n, n') Level  
Legendre Coefficients

47-Ag-109



77

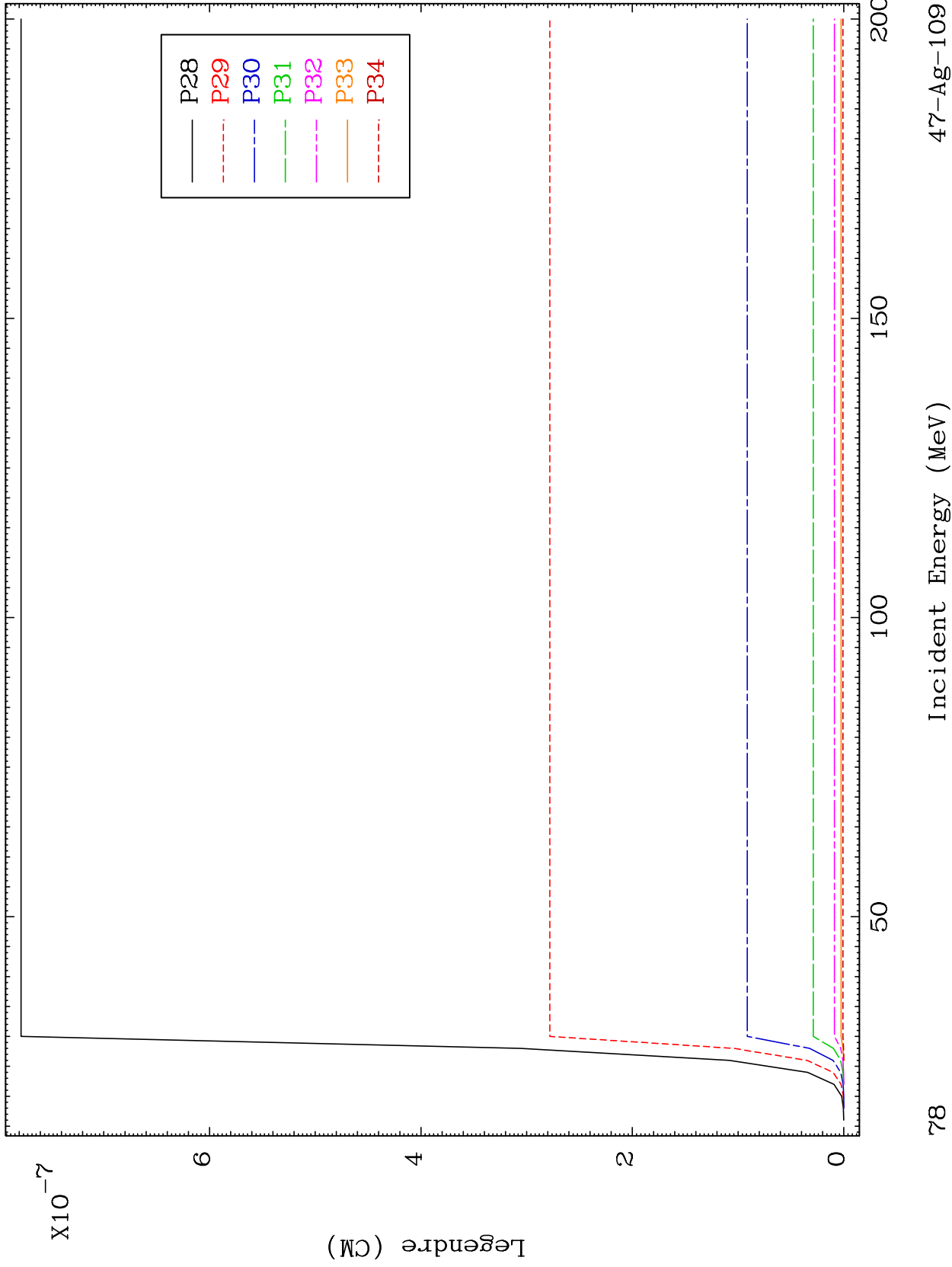
Incident Energy (MeV)

47-Ag-109

MAT 4731

890.0 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



78

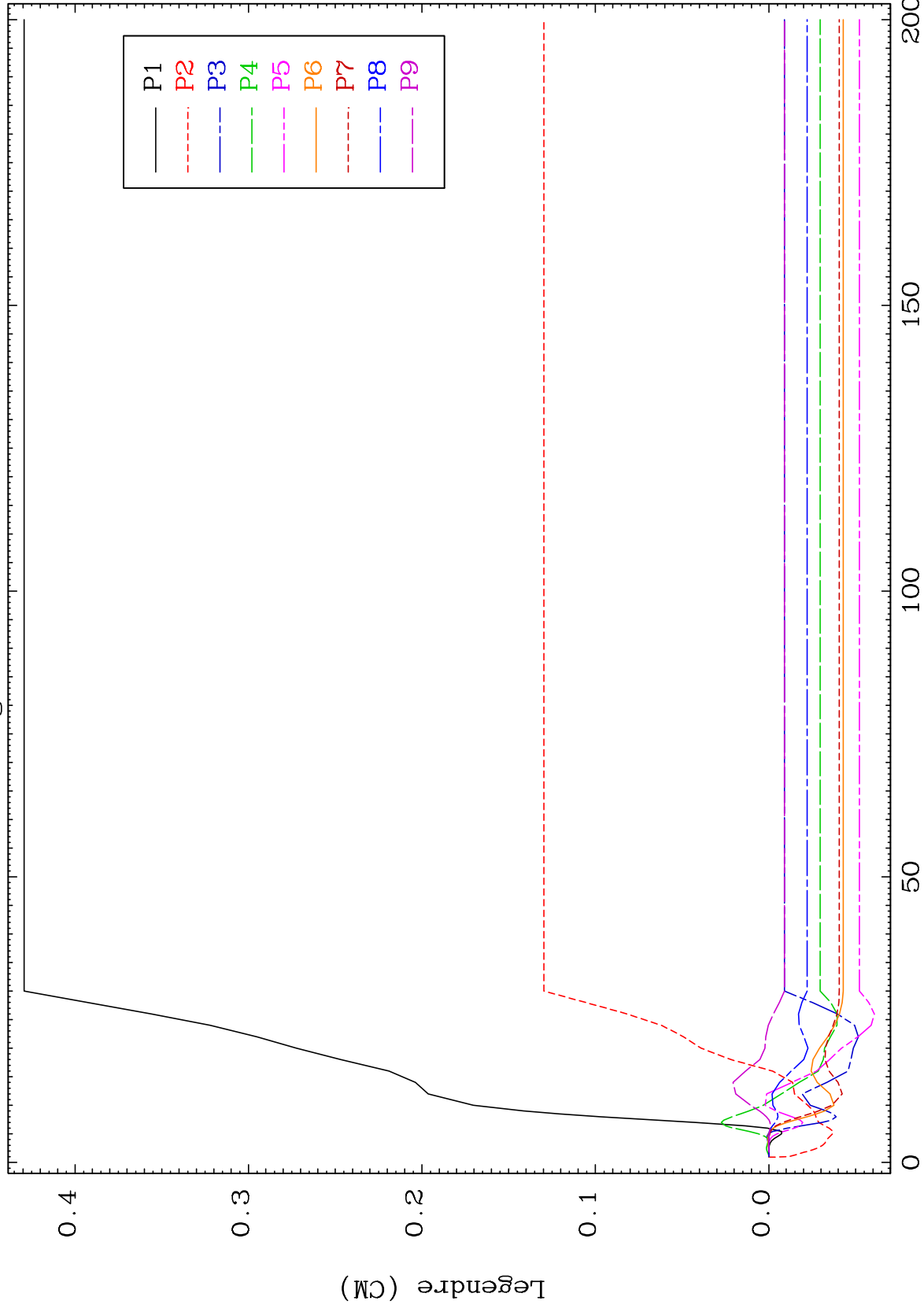
Incident Energy (MeV)

47-Ag-109

MAT 4731

911.0 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



79

Incident Energy (MeV)

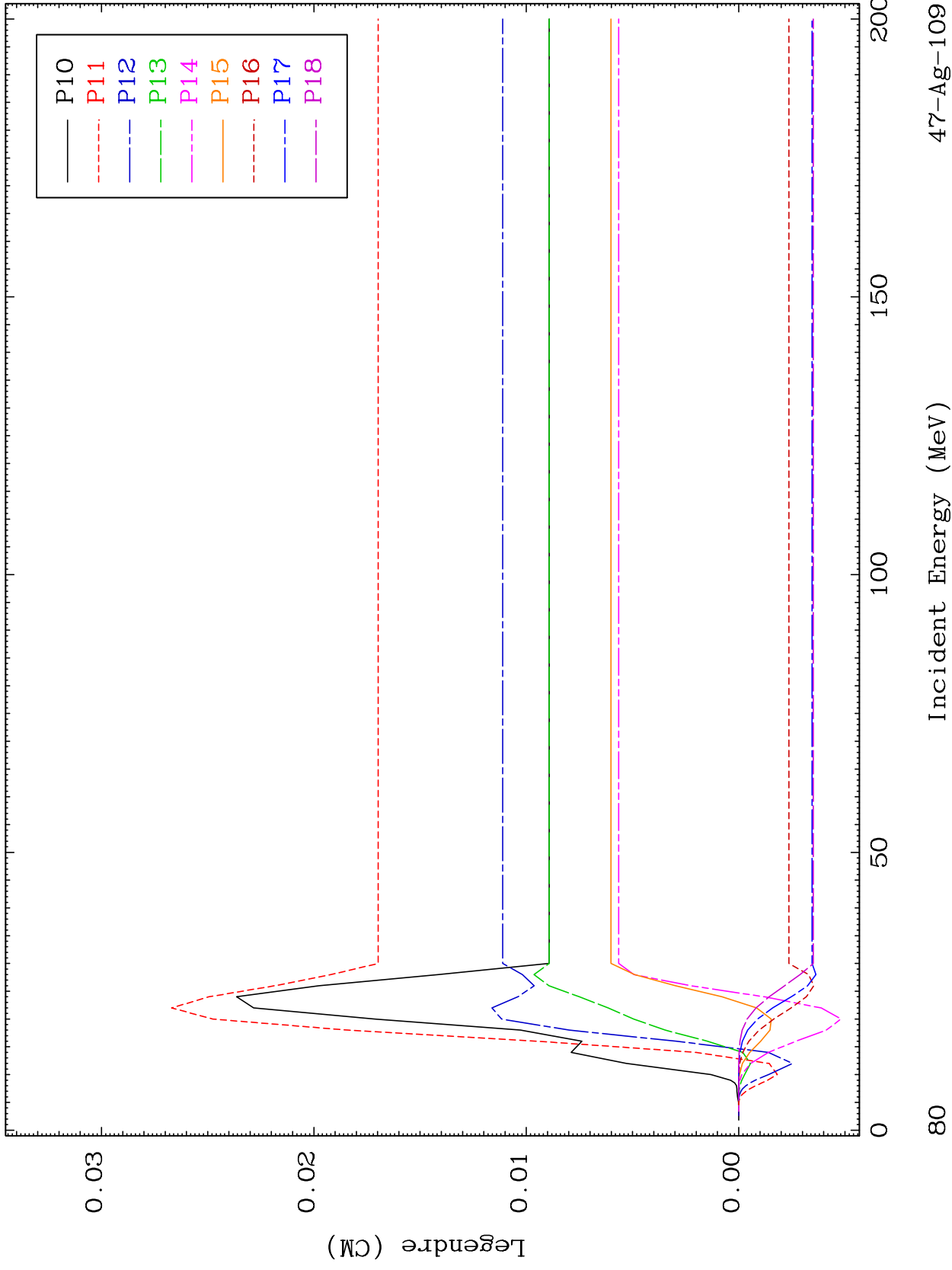
47-Ag-109



MAT 4731

911.0 keV (n,n') Level  
Legendre Coefficients

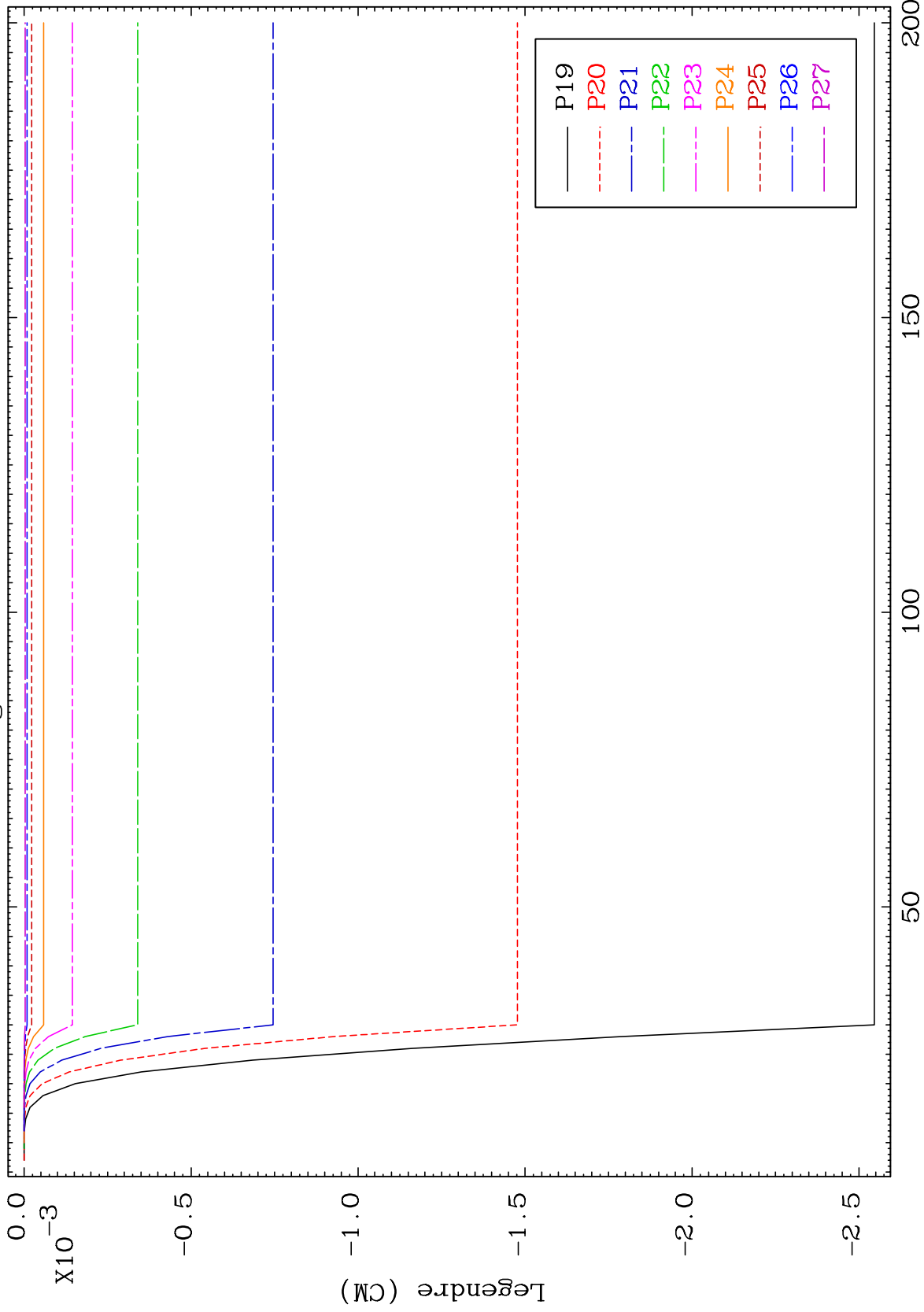
47-Ag-109

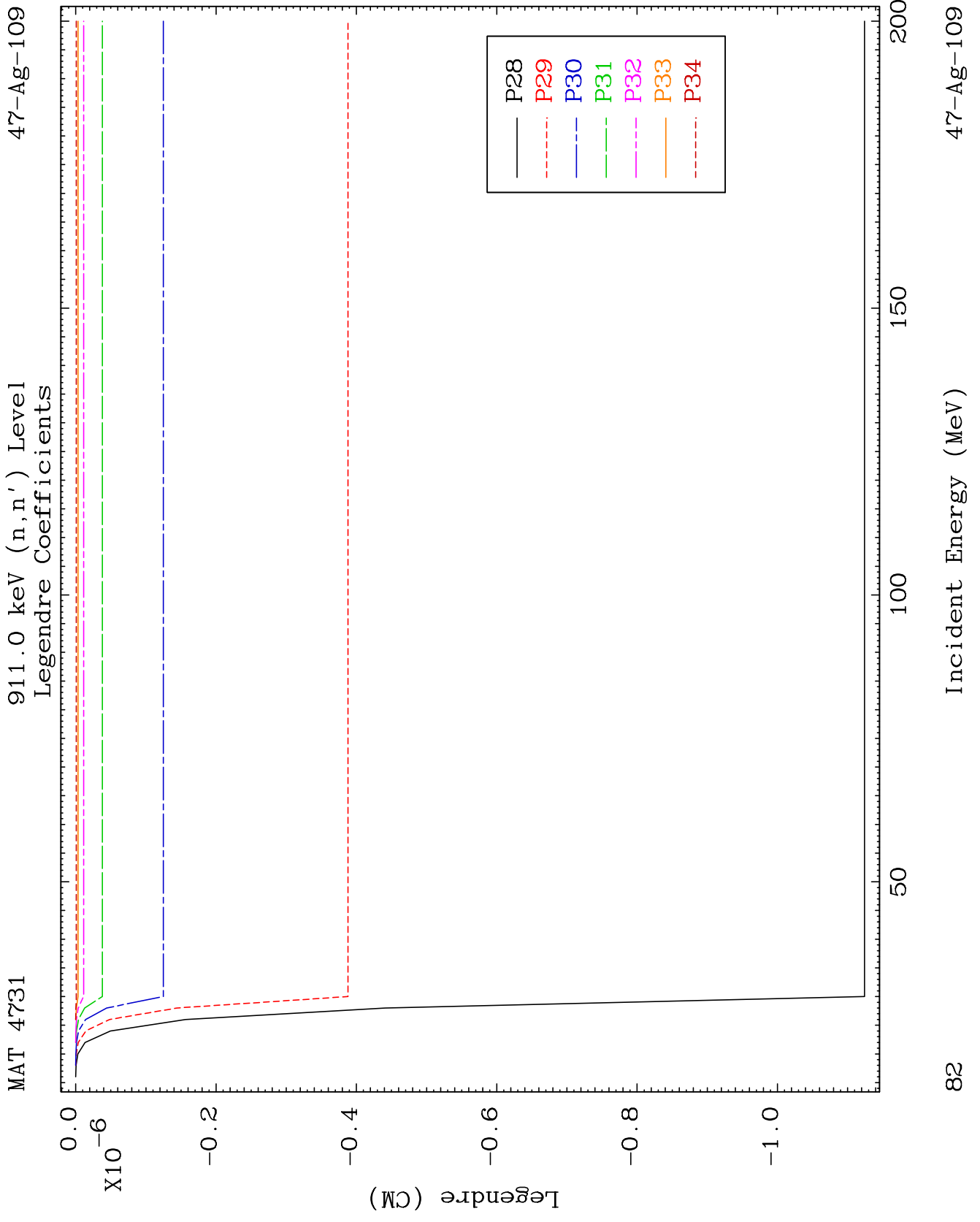


MAT 4731

911.0 keV (n,n') Level  
Legendre Coefficients

47-Ag-109

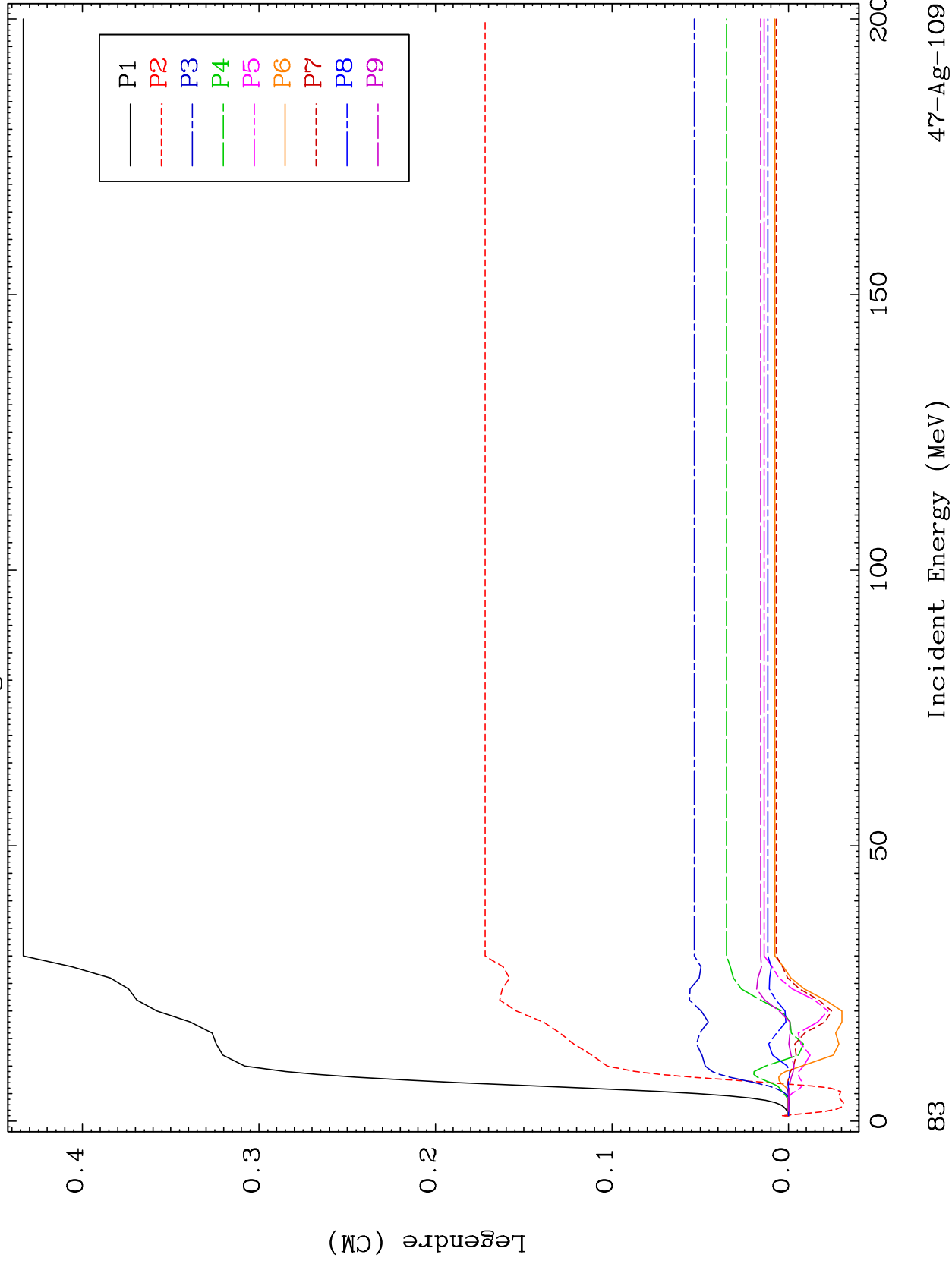




MAT 4731

912.1 keV (n,n') Level  
Legendre Coefficients

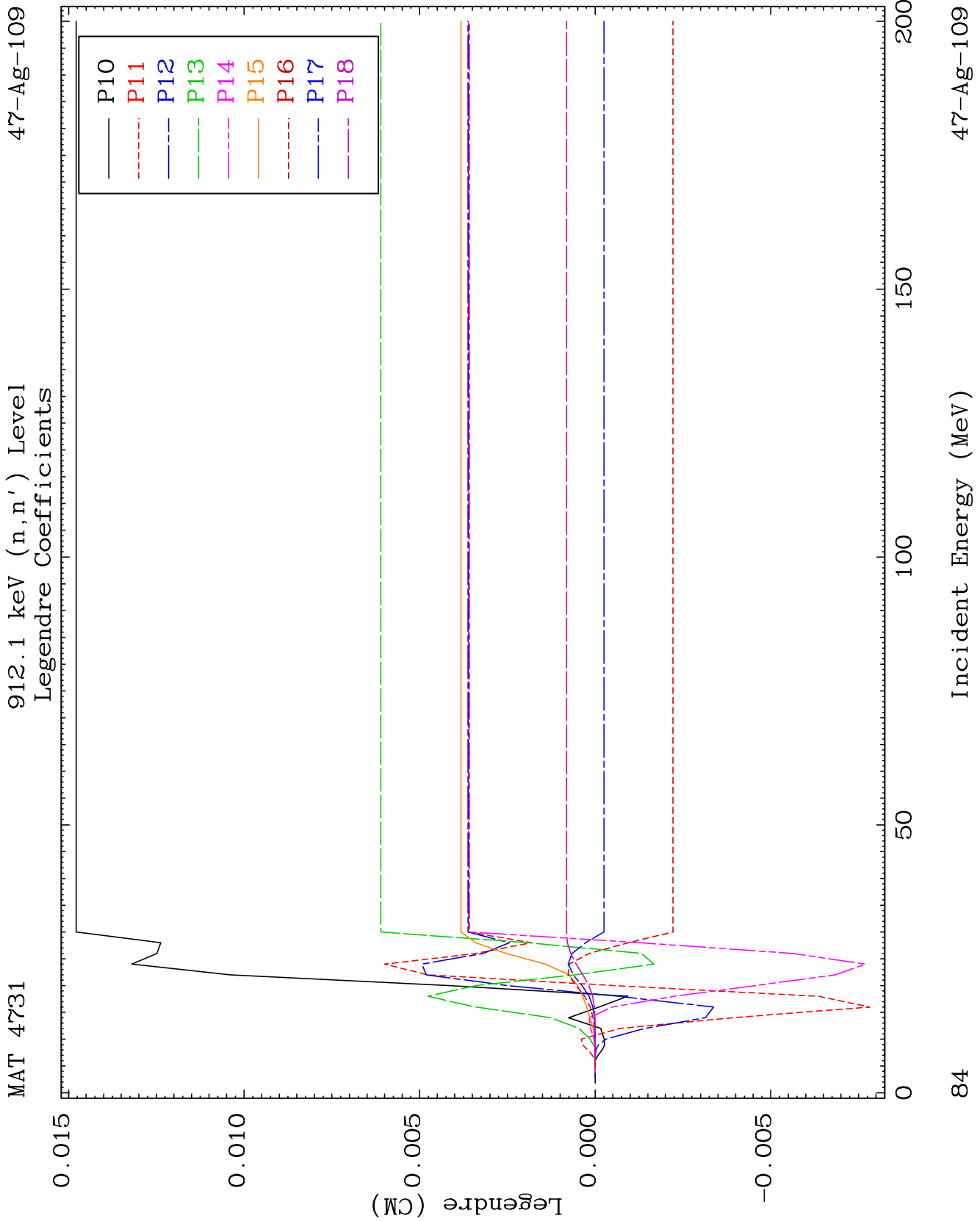
47-Ag-109



47-Ag-109

Incident Energy (MeV)

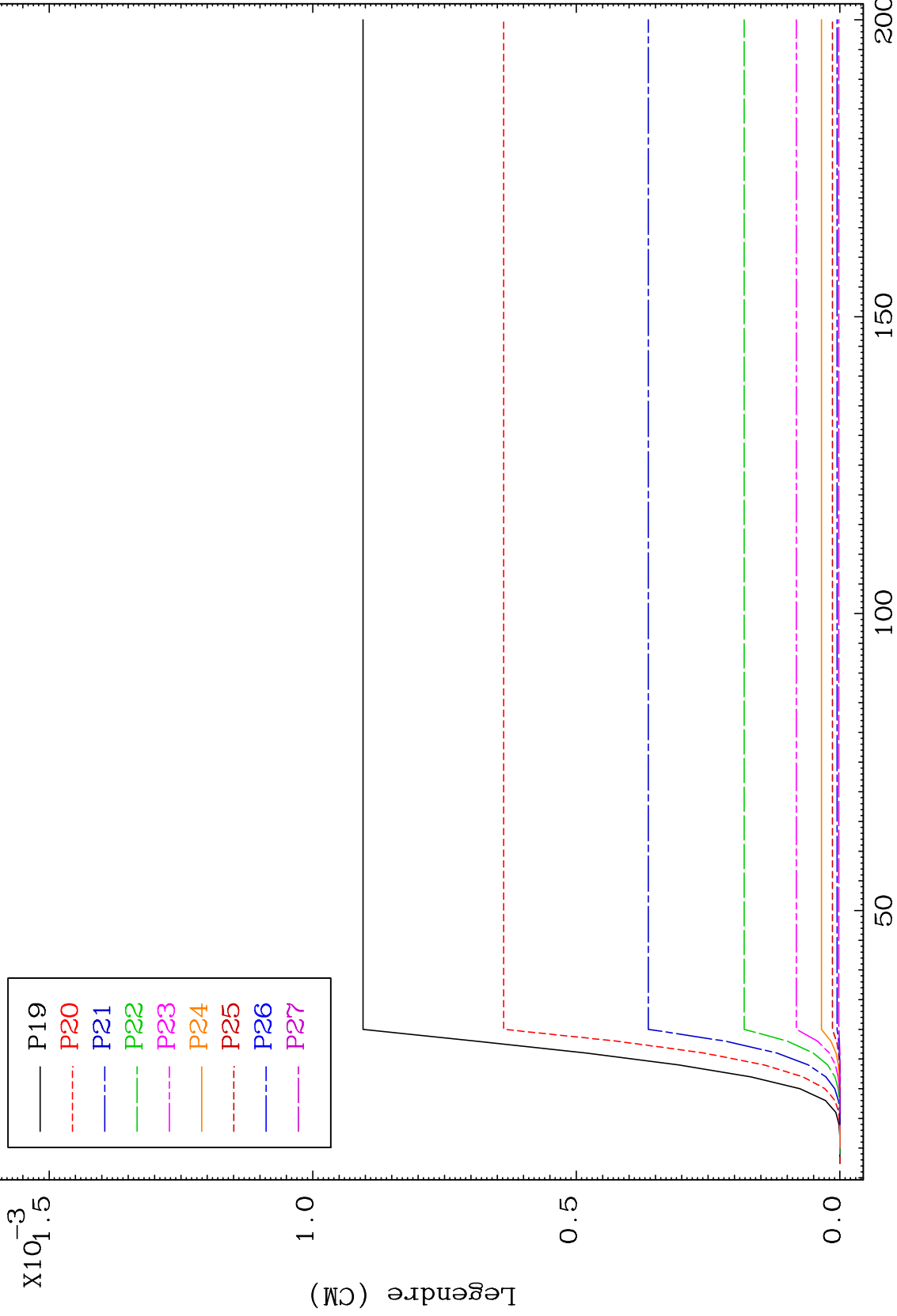
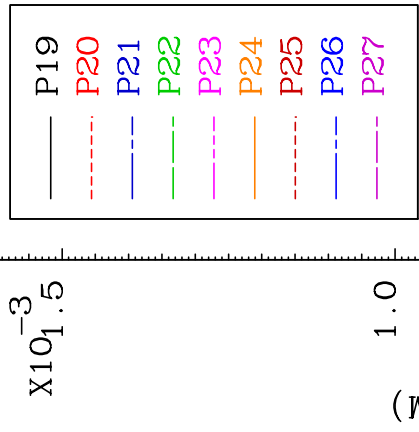
83



MAT 4731

912.1 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



85

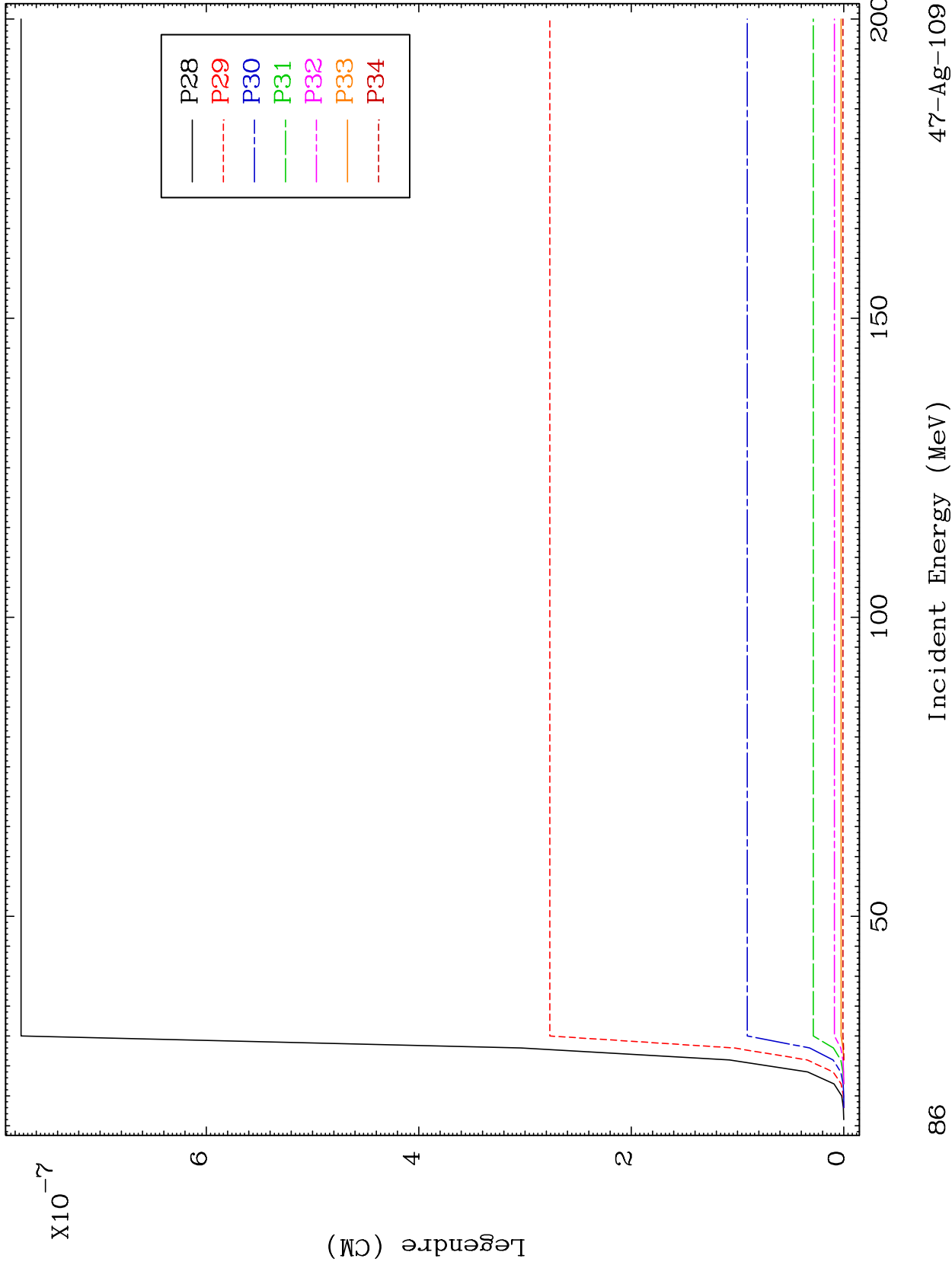
Incident Energy (MeV)

47-Ag-109

MAT 4731

912.1 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



86

47-Ag-109

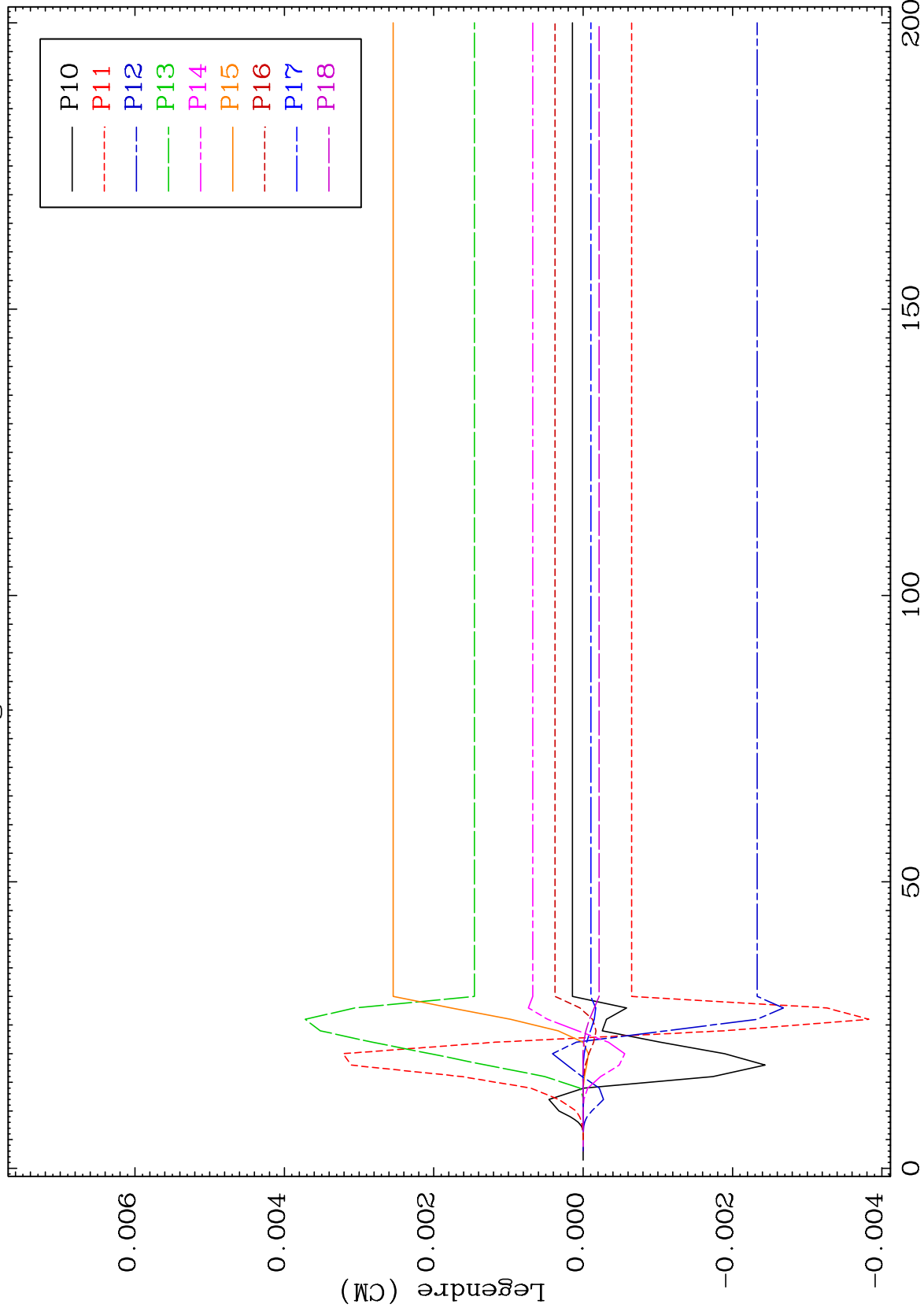




MAT 4731

930.8 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



88

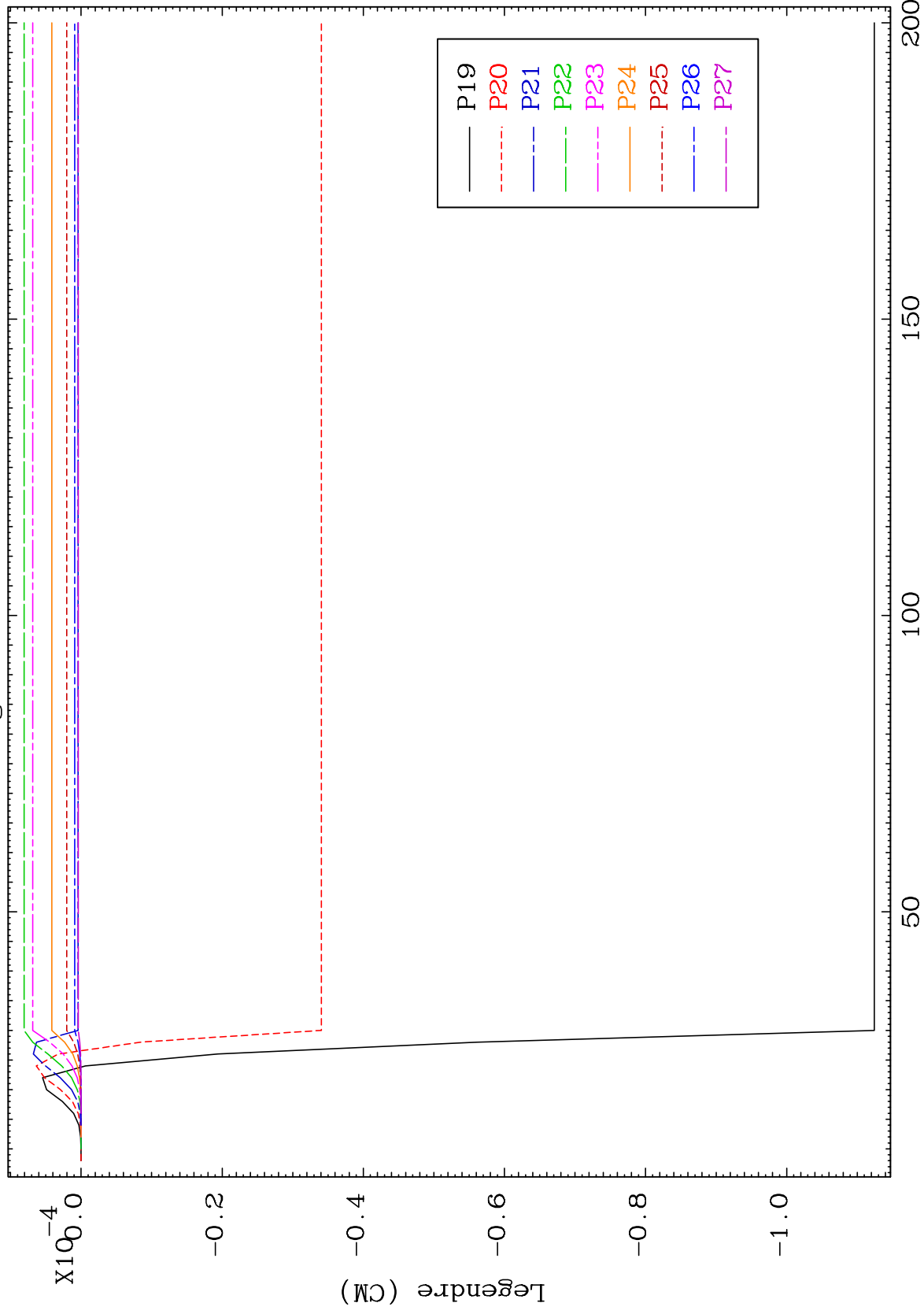
Incident Energy (MeV)

47-Ag-109

MAT 4731

930.8 keV (n,n') Level  
Legendre Coefficients

47-Ag-109



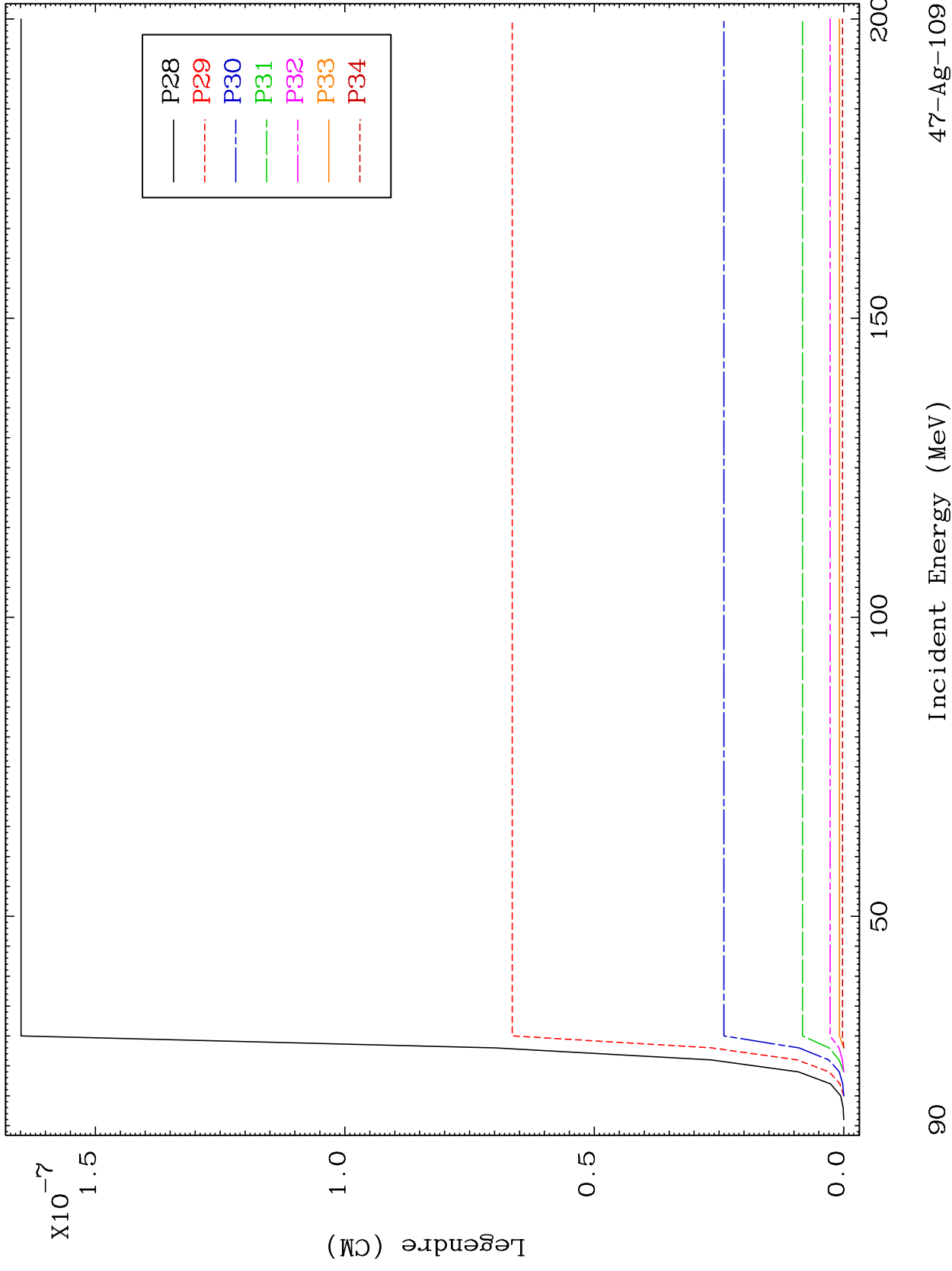
89

47-Ag-109

MAT 4731

930.8 keV (n,n') Level  
Legendre Coefficients

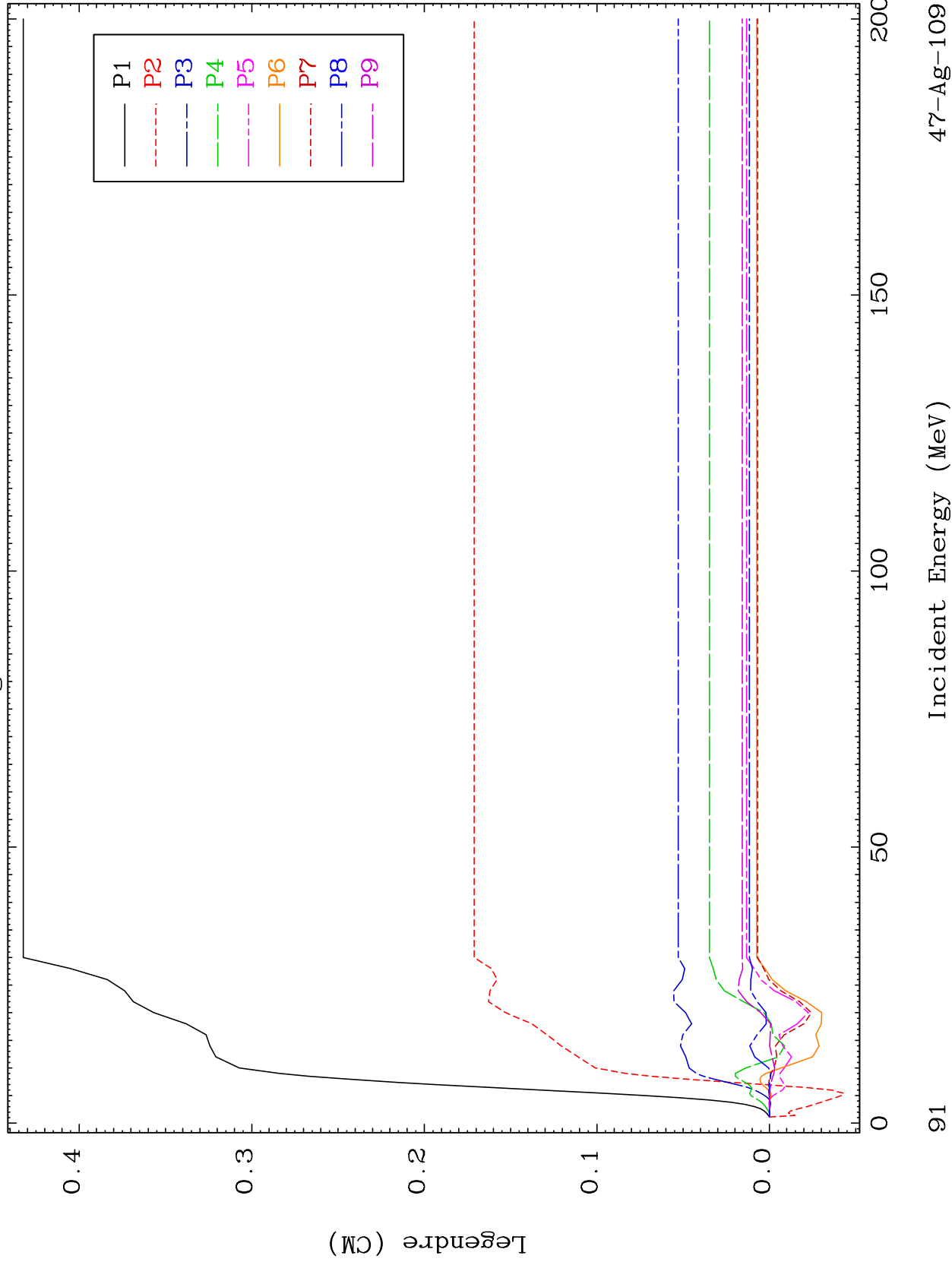
47-Ag-109



MAT 4731

1.091 MeV (n,n') Level  
Legendre Coefficients

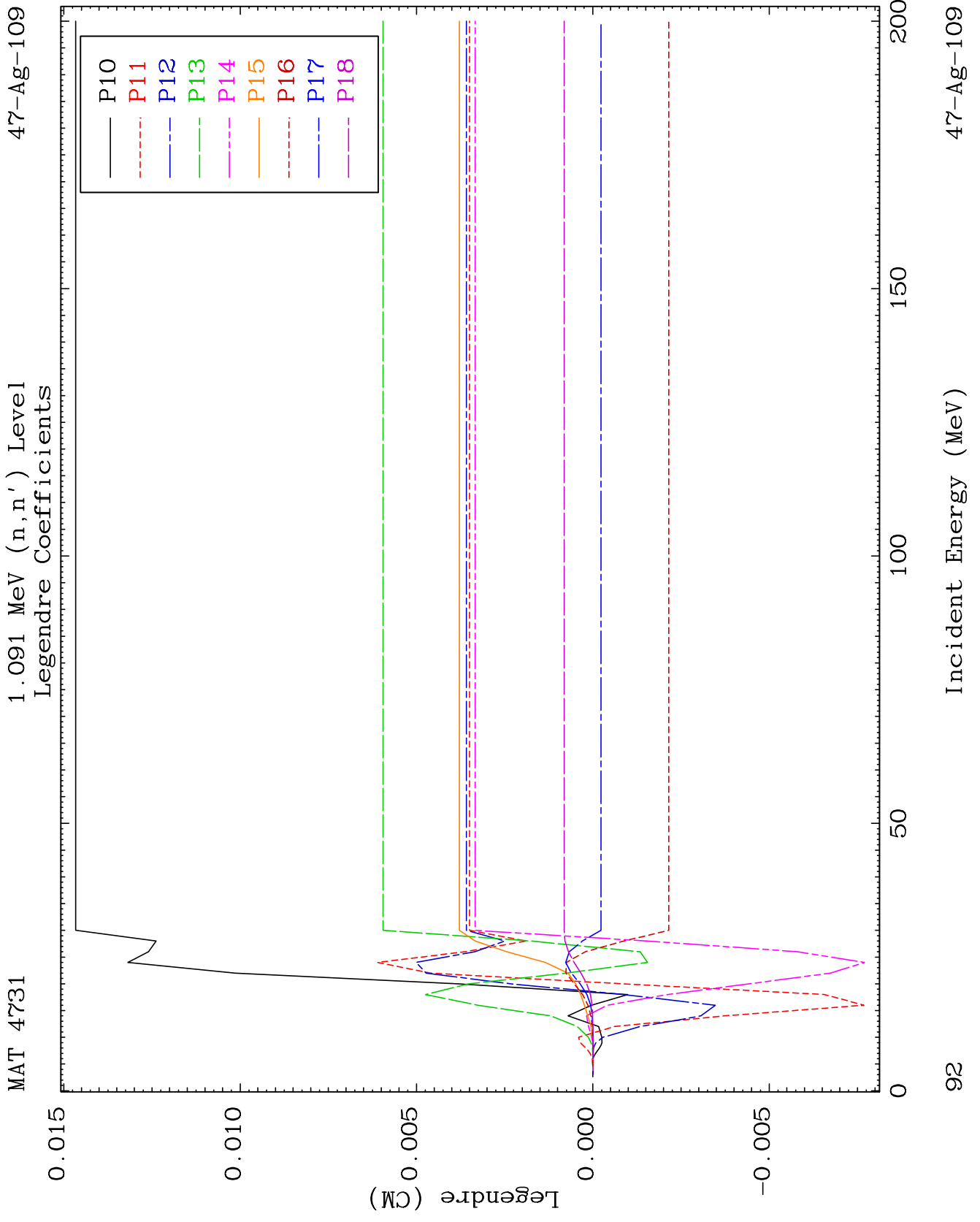
47-Ag-109

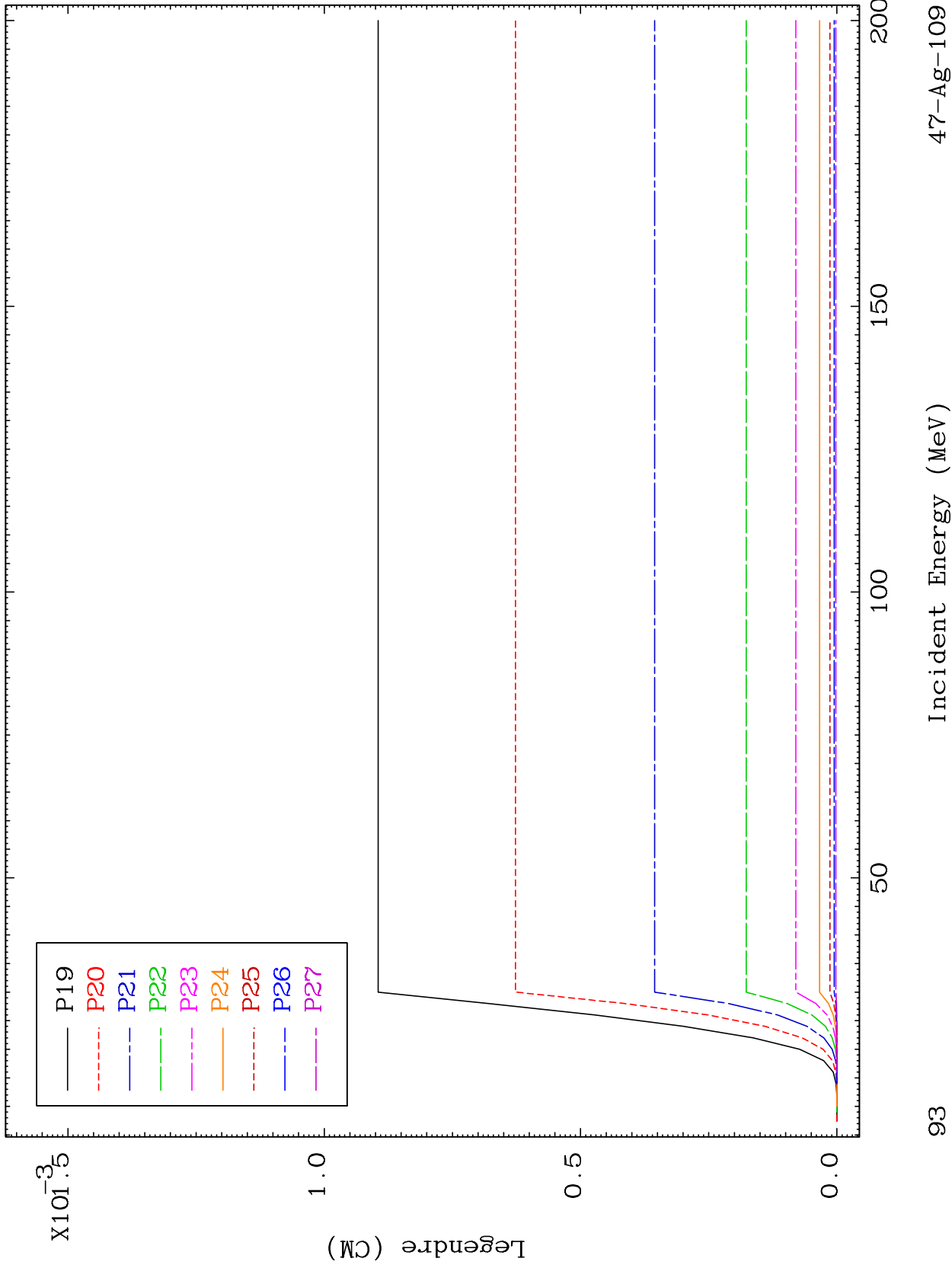


91

Incident Energy (MeV)

47-Ag-109

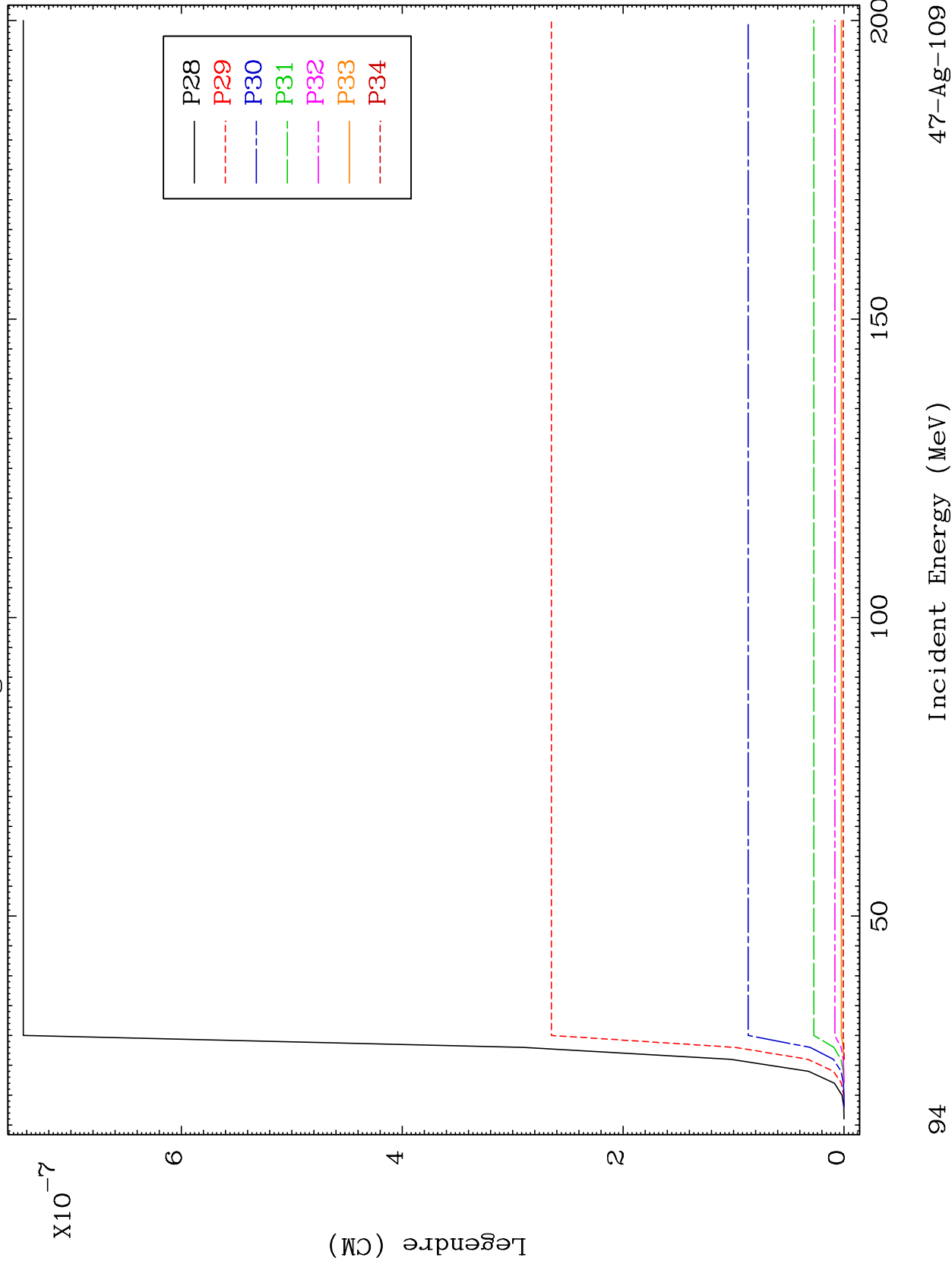




MAT 4731

1.091 MeV (n,n') Level  
Legendre Coefficients

47-Ag-109

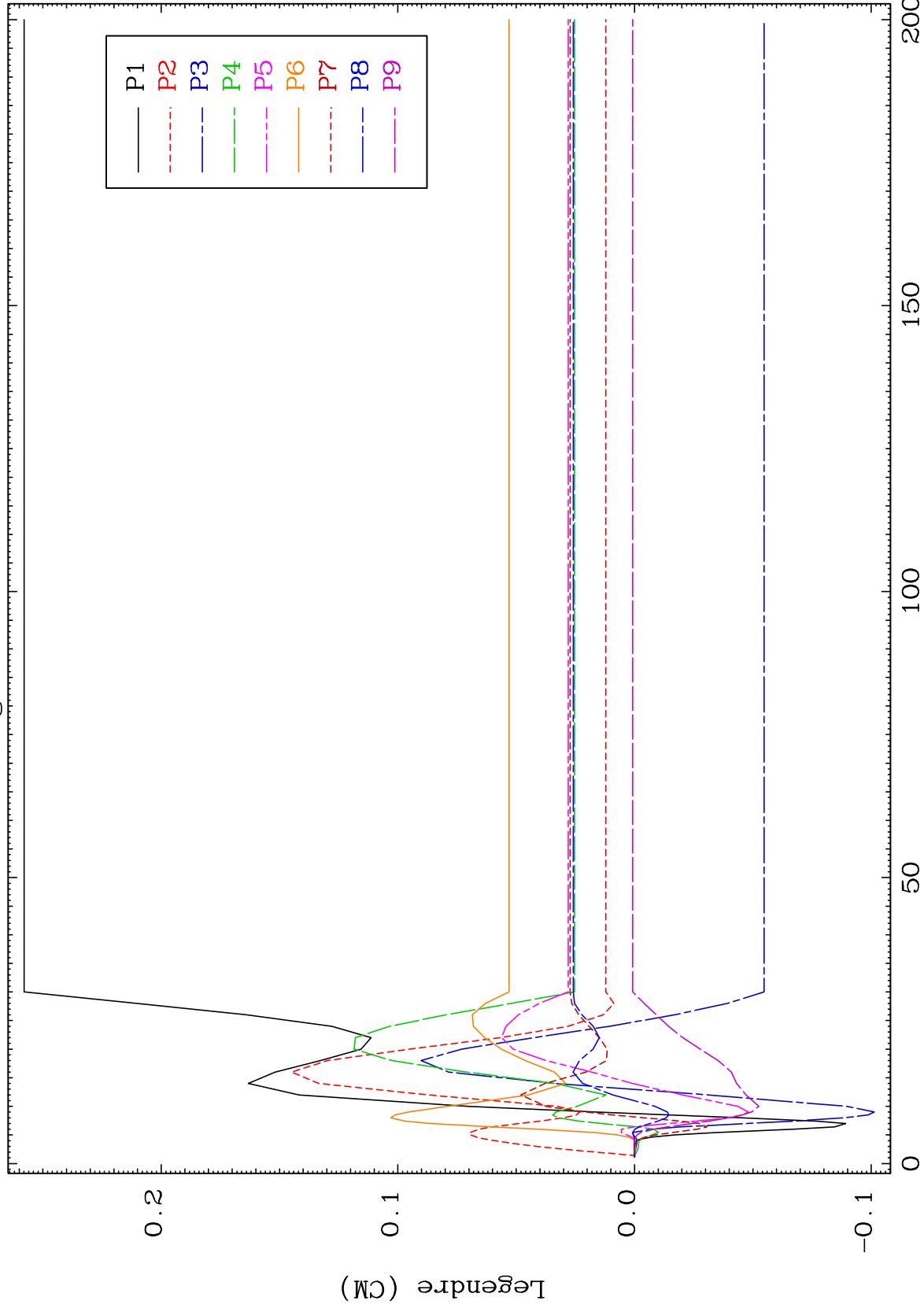


94

MAT 4731

1.098 MeV (n,n') Level  
Legendre Coefficients

47-Ag-109

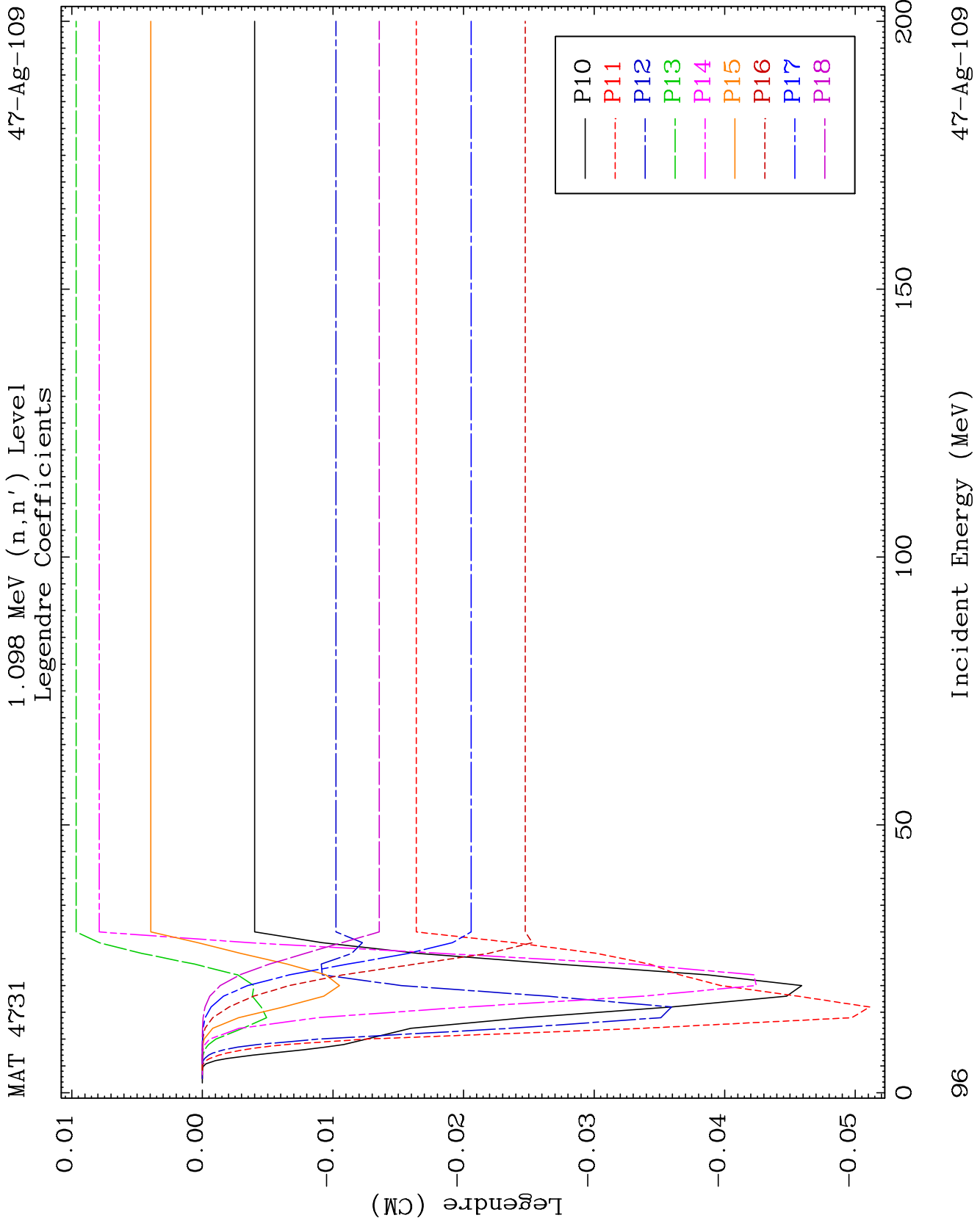


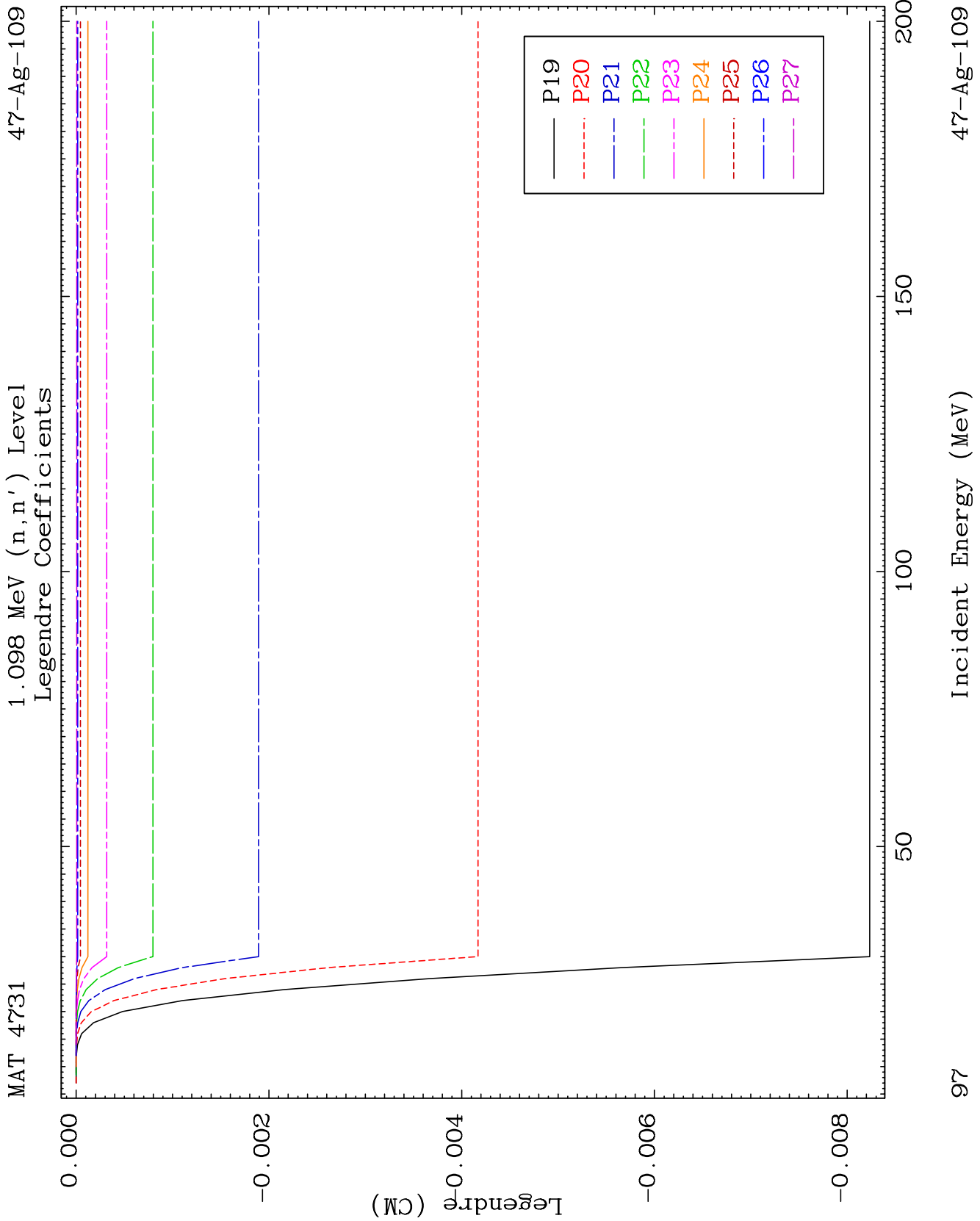
95

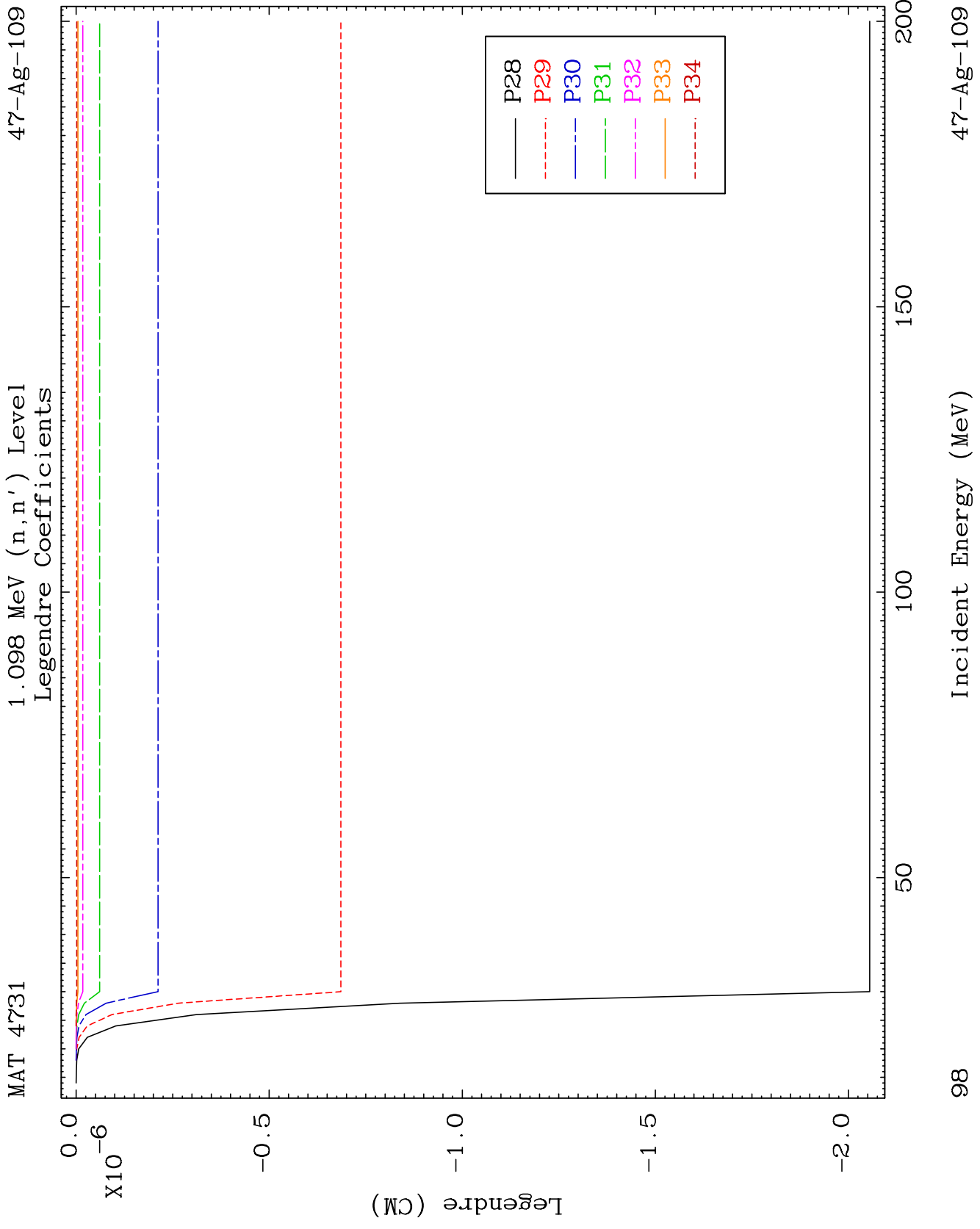
Incident Energy (MeV)

47-Ag-109





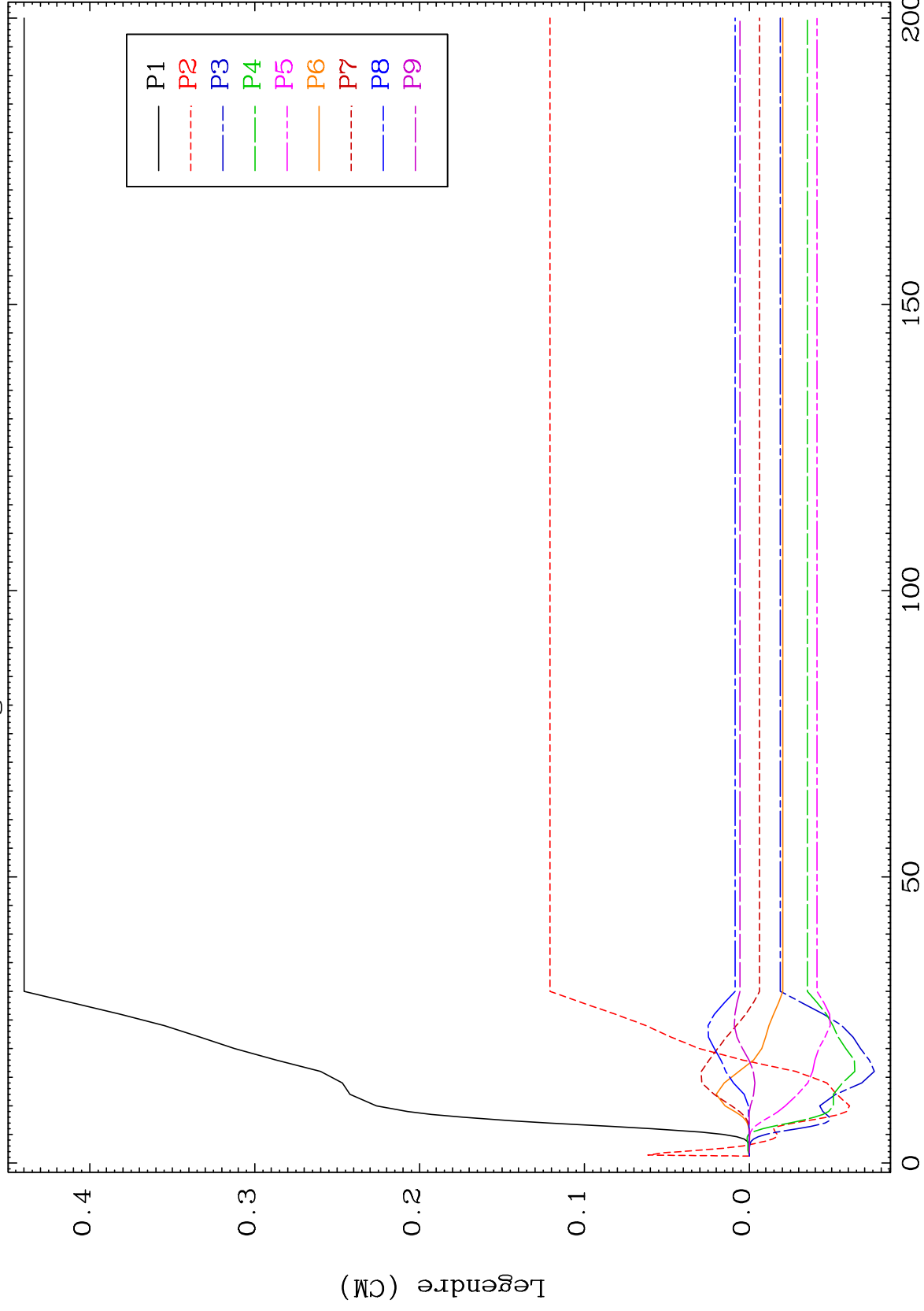




MAT 4731

1.200 MeV (n,n') Level  
Legendre Coefficients

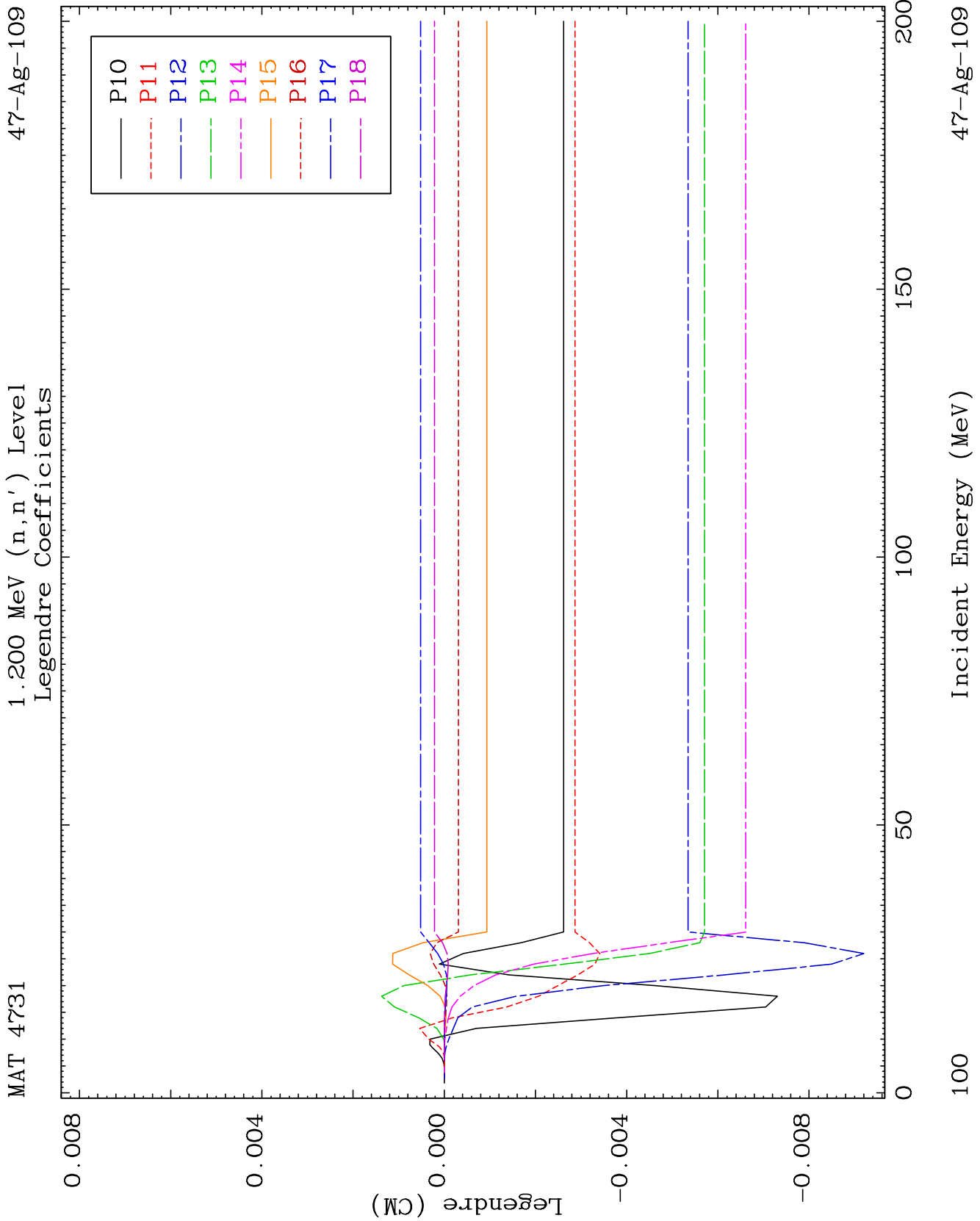
47-Ag-109



99

Incident Energy (MeV)

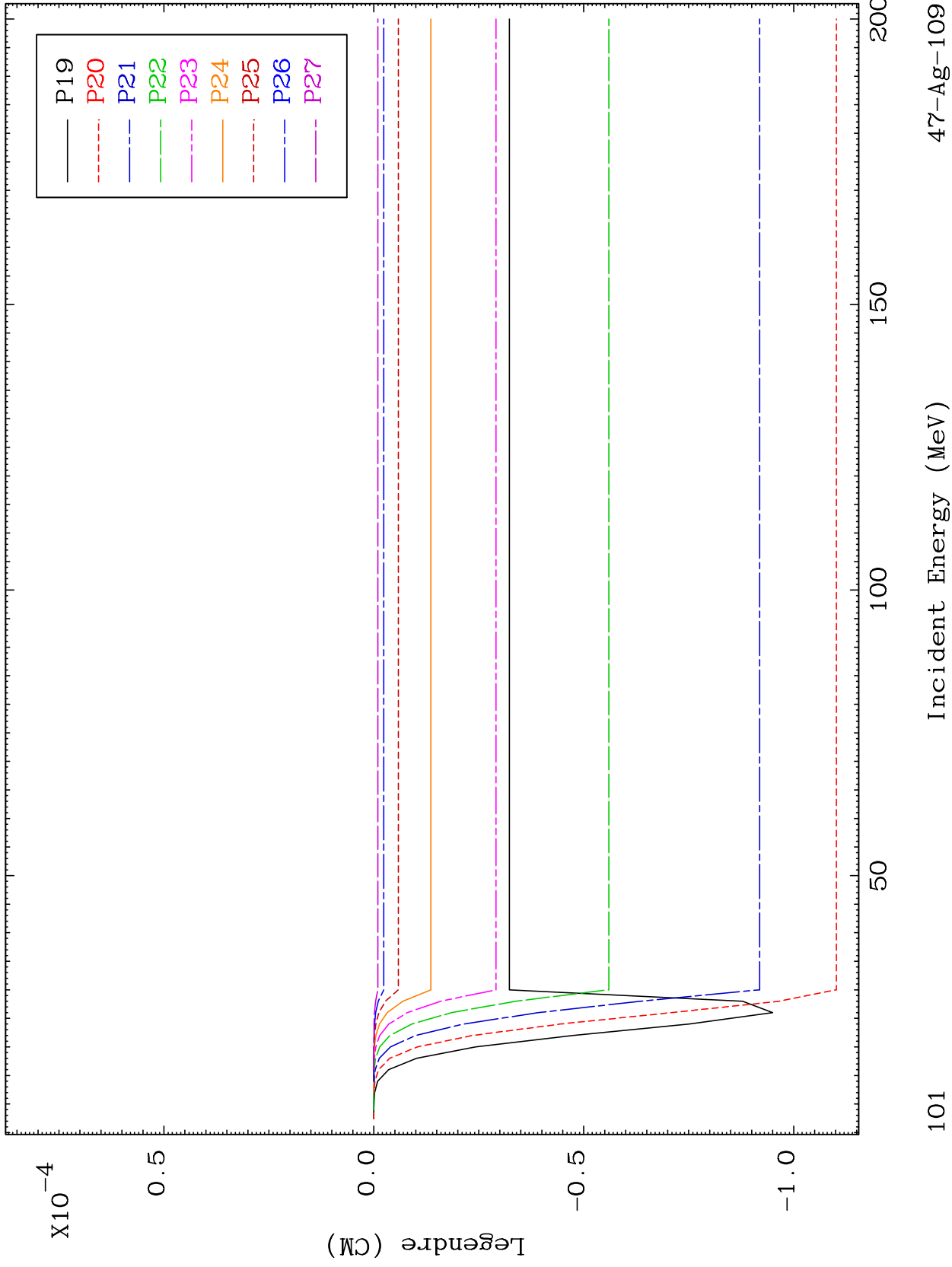
47-Ag-109

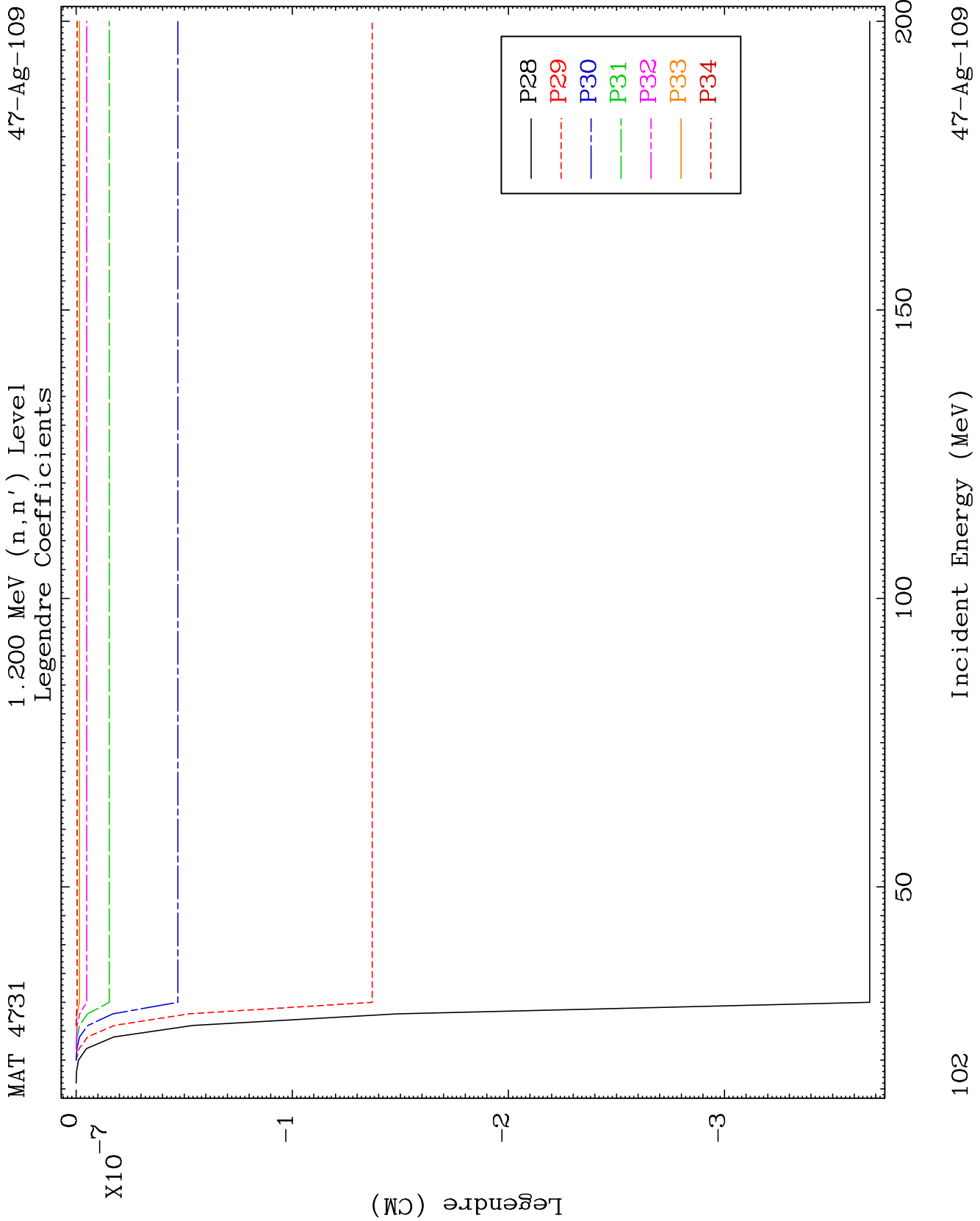


MAT 4731

1.200 MeV (n,n') Level  
Legendre Coefficients

47-Ag-109





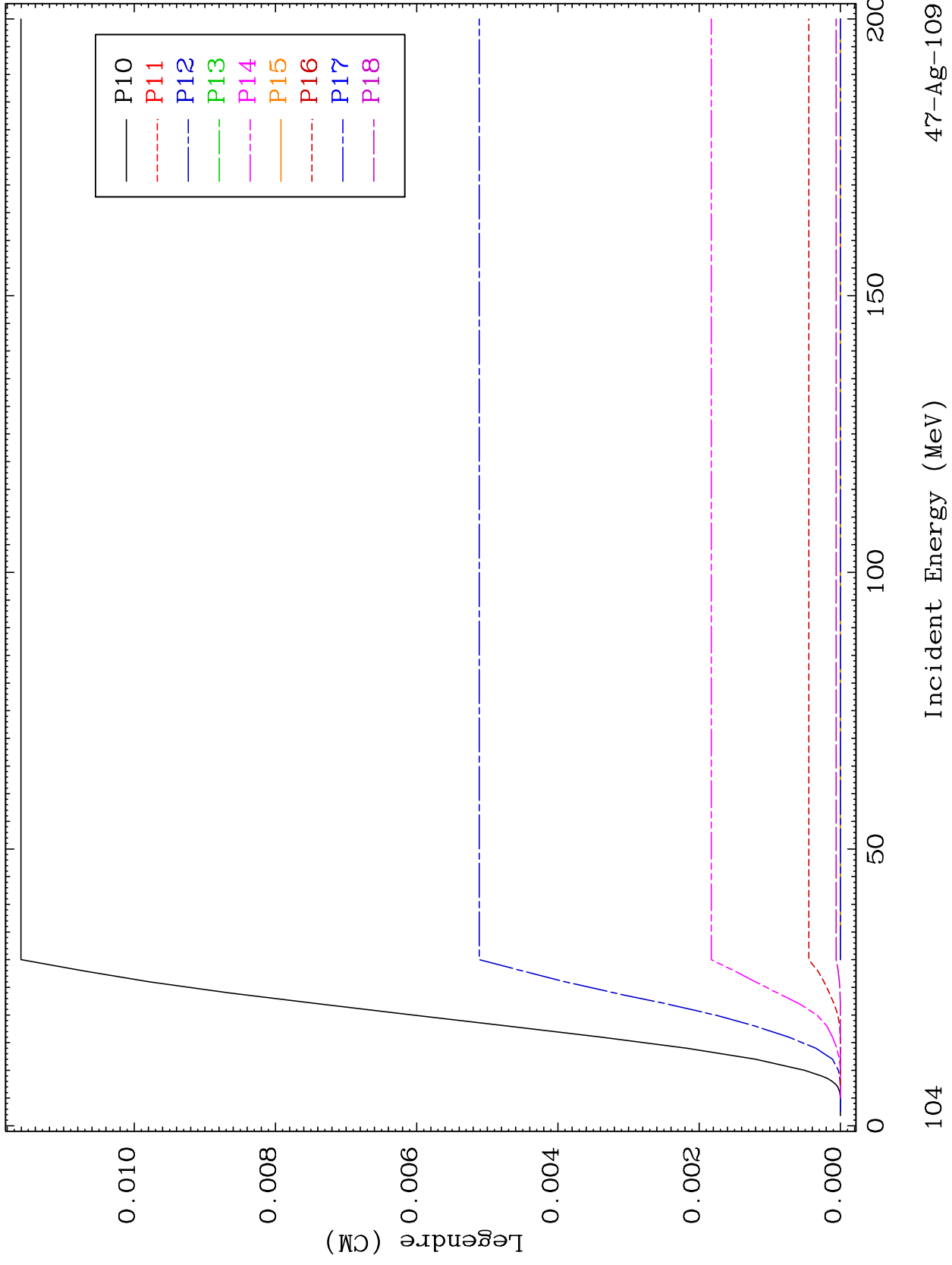




MAT 4731

1.260 MeV (n,n') Level  
Legendre Coefficients

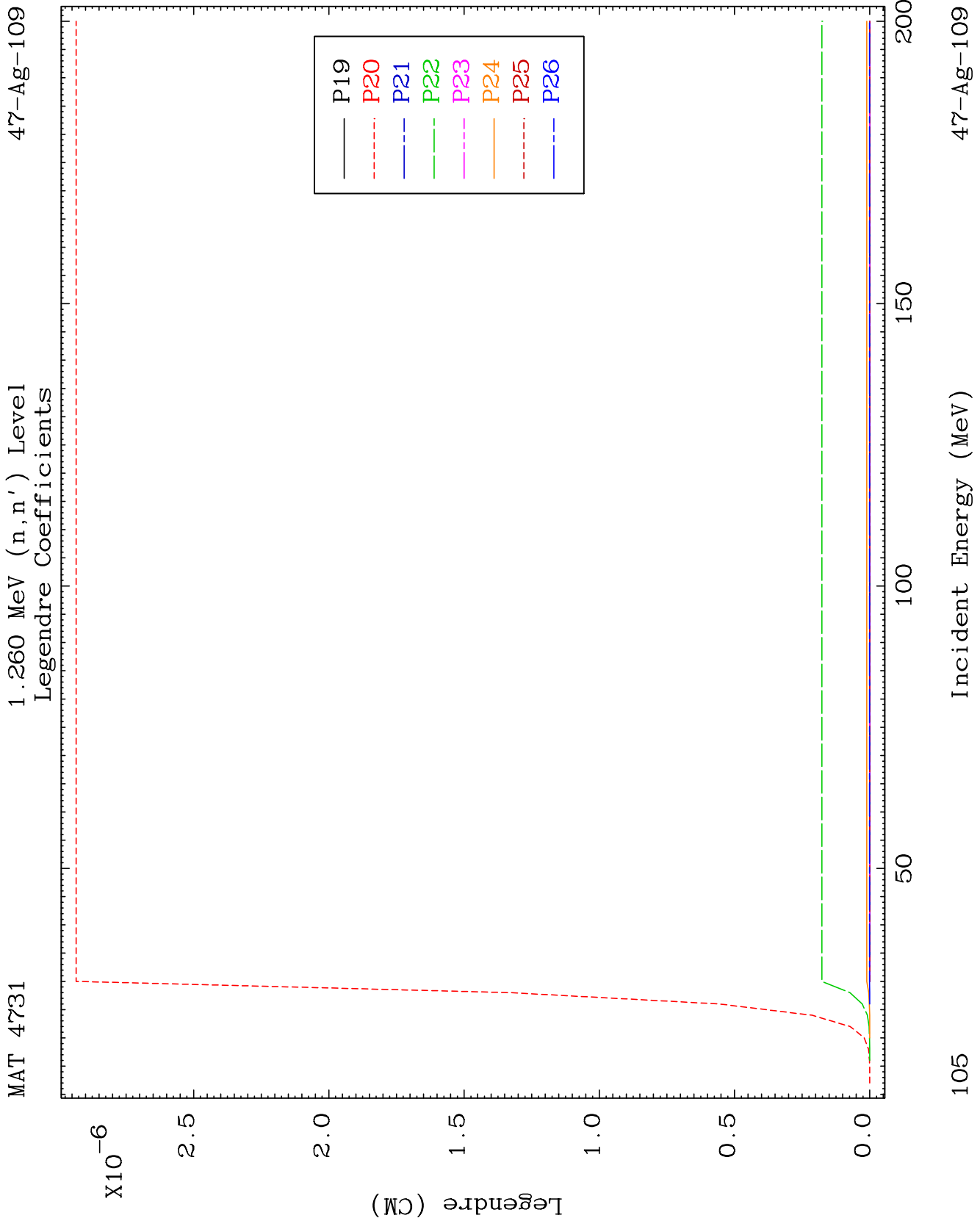
47-Ag-109



104

Incident Energy (MeV)

47-Ag-109

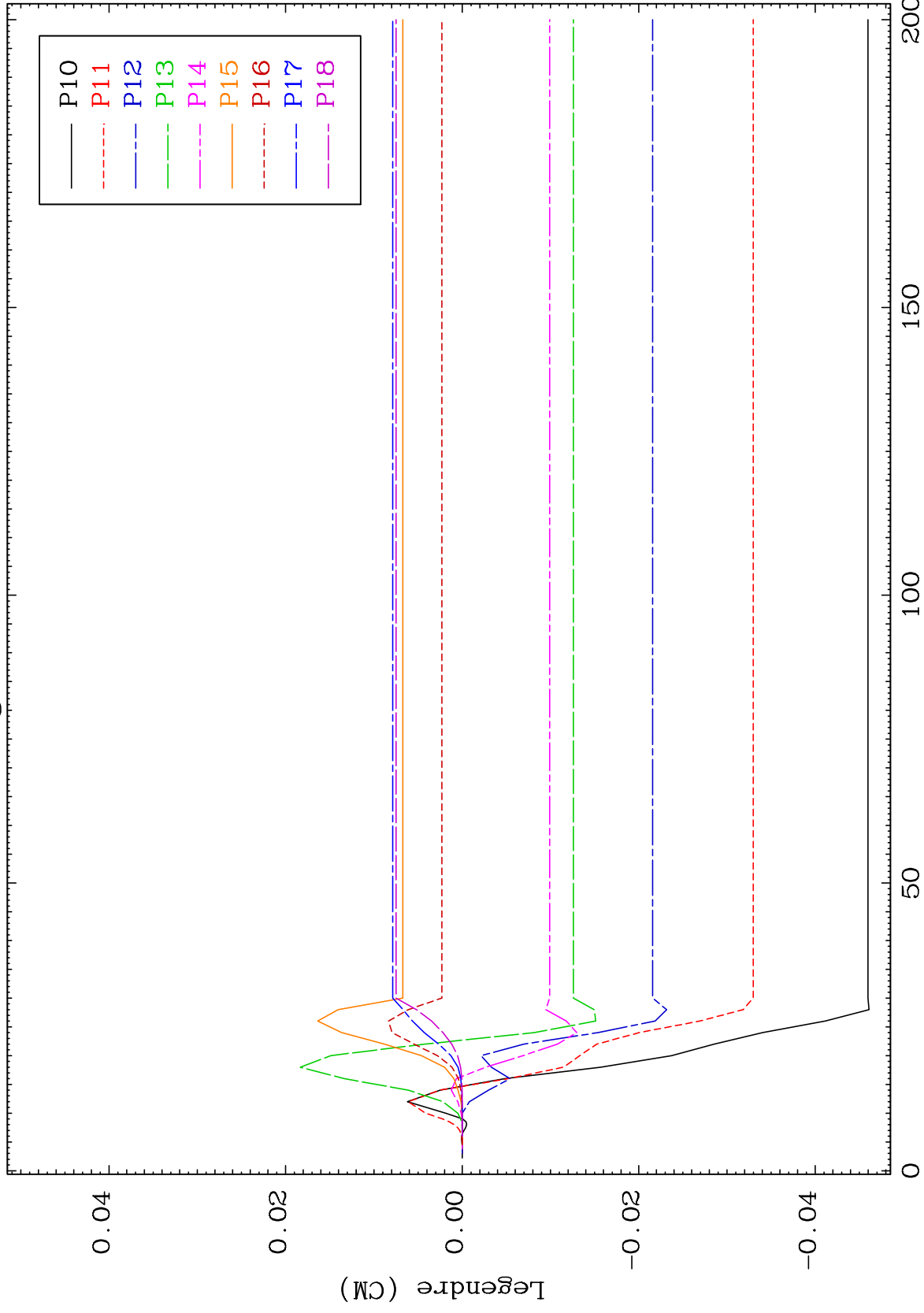




MAT 4731

1.310 MeV (n,n') Level  
Legendre Coefficients

47-Ag-109



107

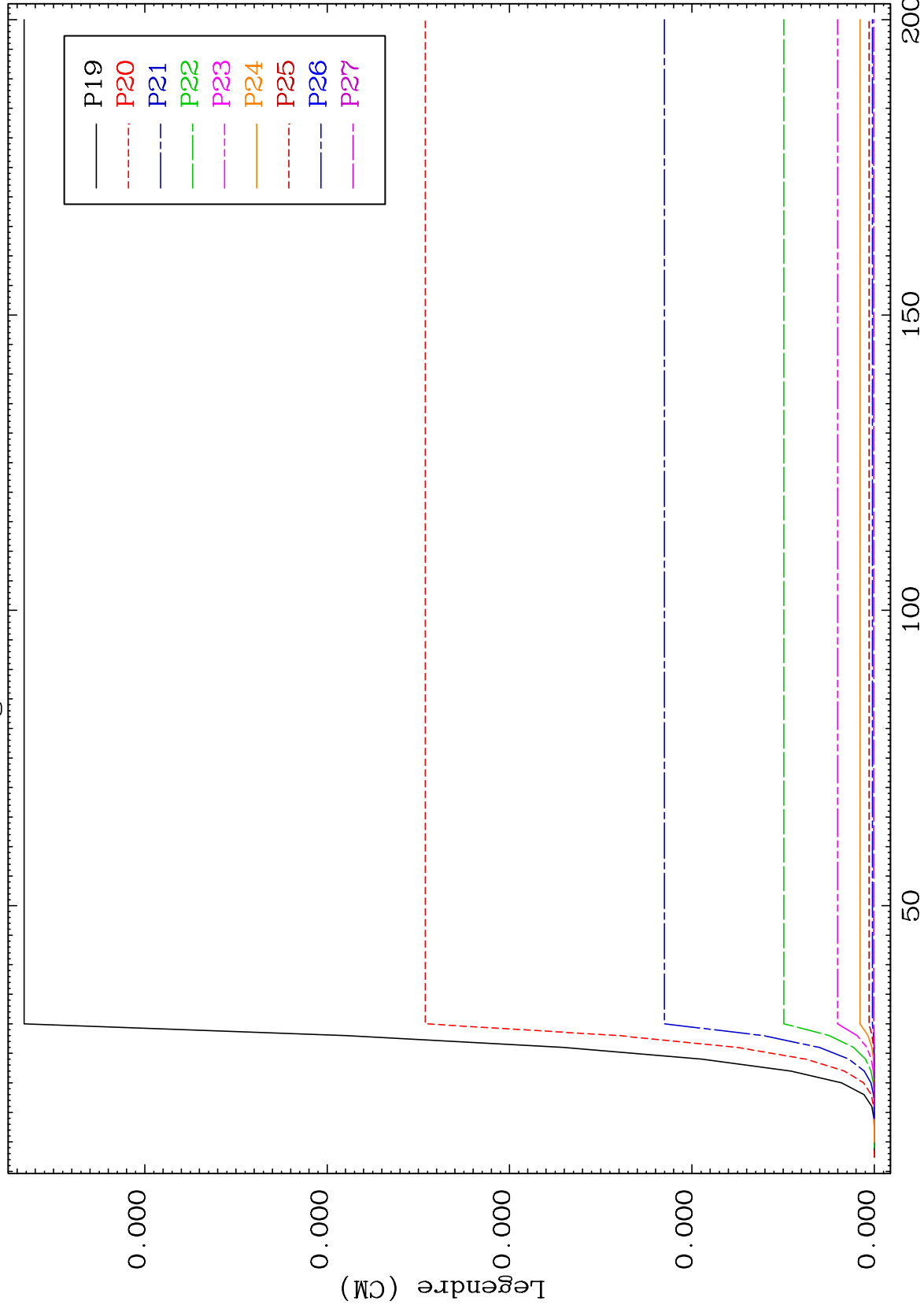
Incident Energy (MeV)

47-Ag-109

MAT 4731

1.310 MeV (n,n') Level  
Legendre Coefficients

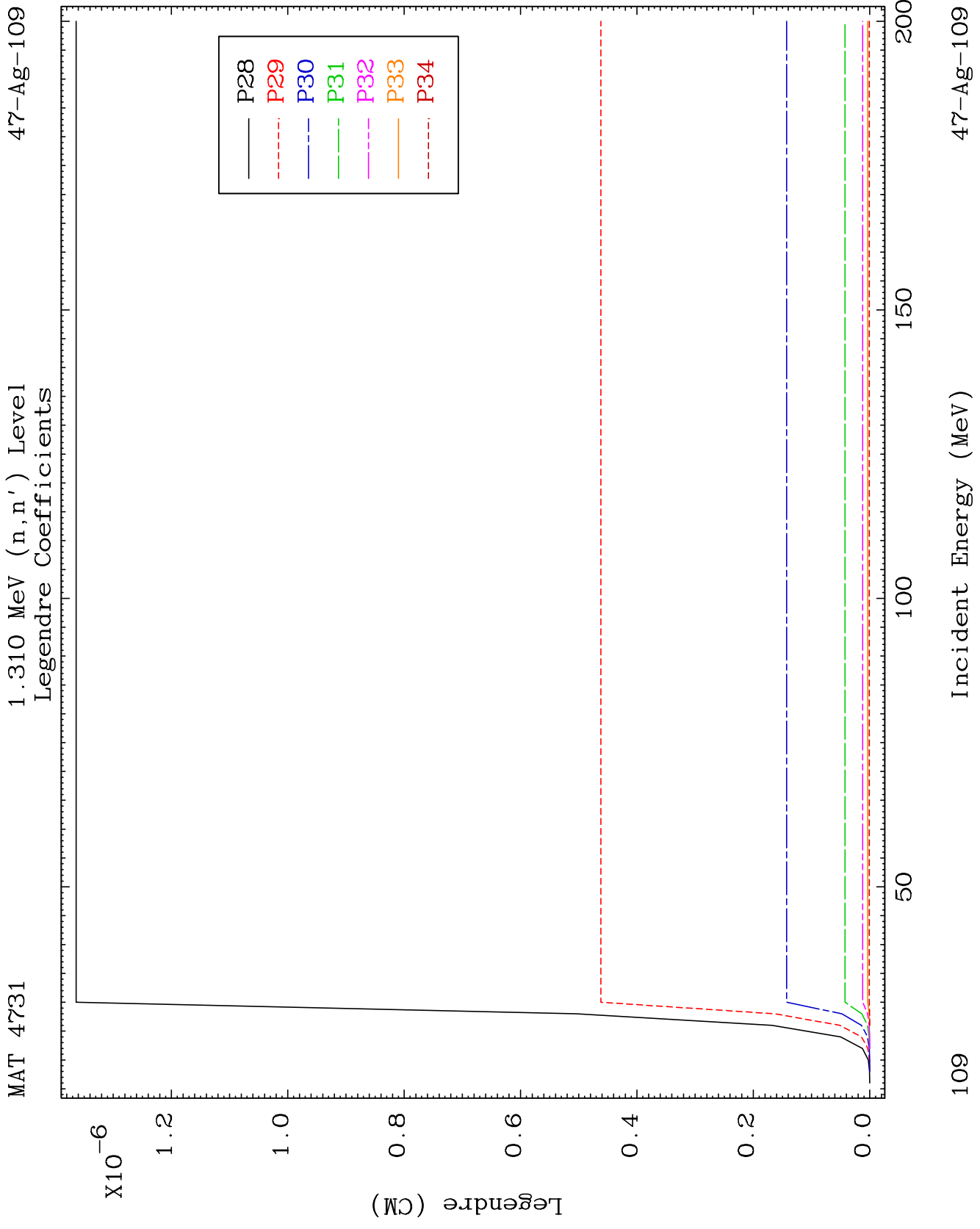
47-Ag-109

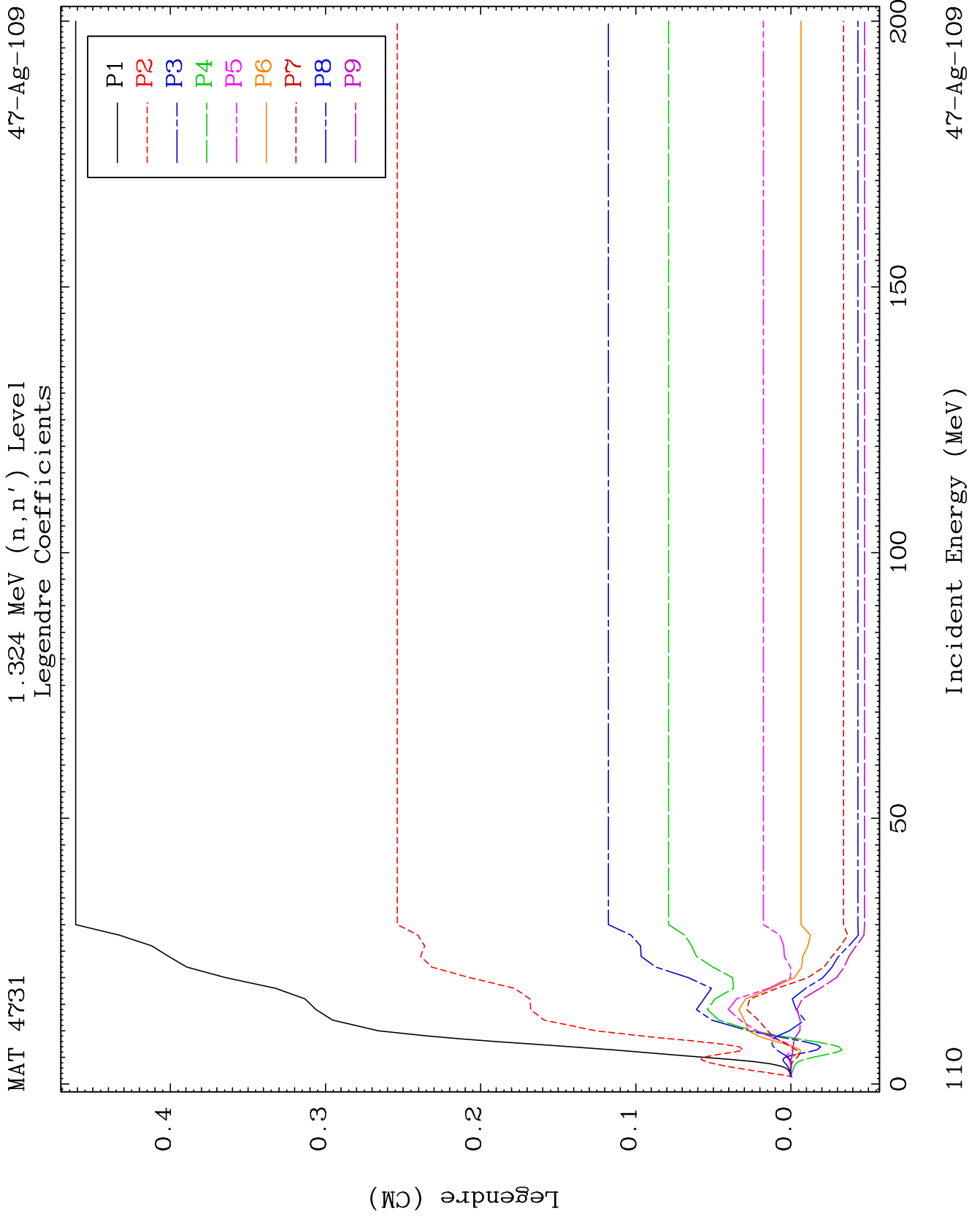


108

Incident Energy (MeV)

47-Ag-109

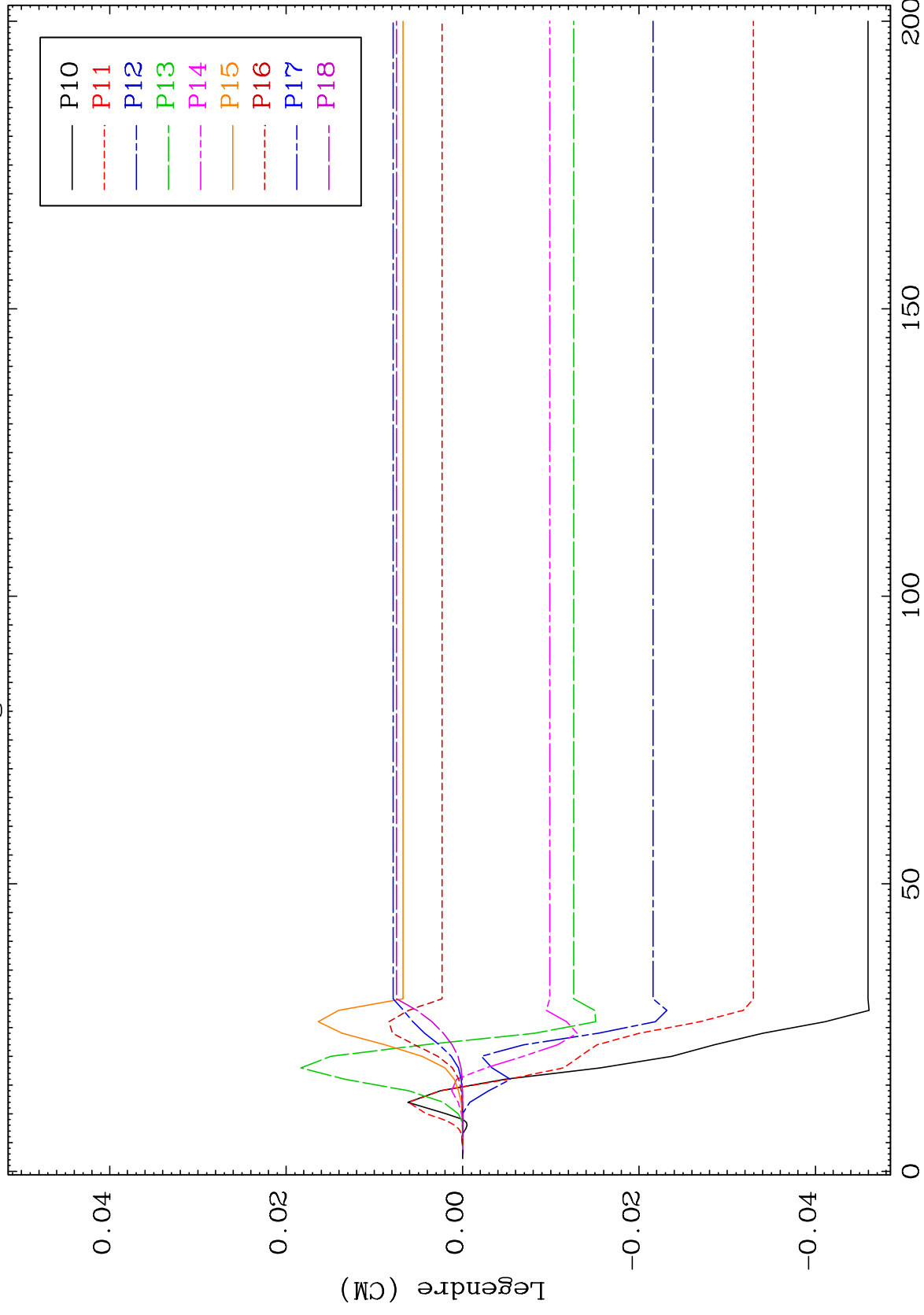




MAT 4731

1.324 MeV (n,n') Level  
Legendre Coefficients

47-Ag-109



111

Incident Energy (MeV)

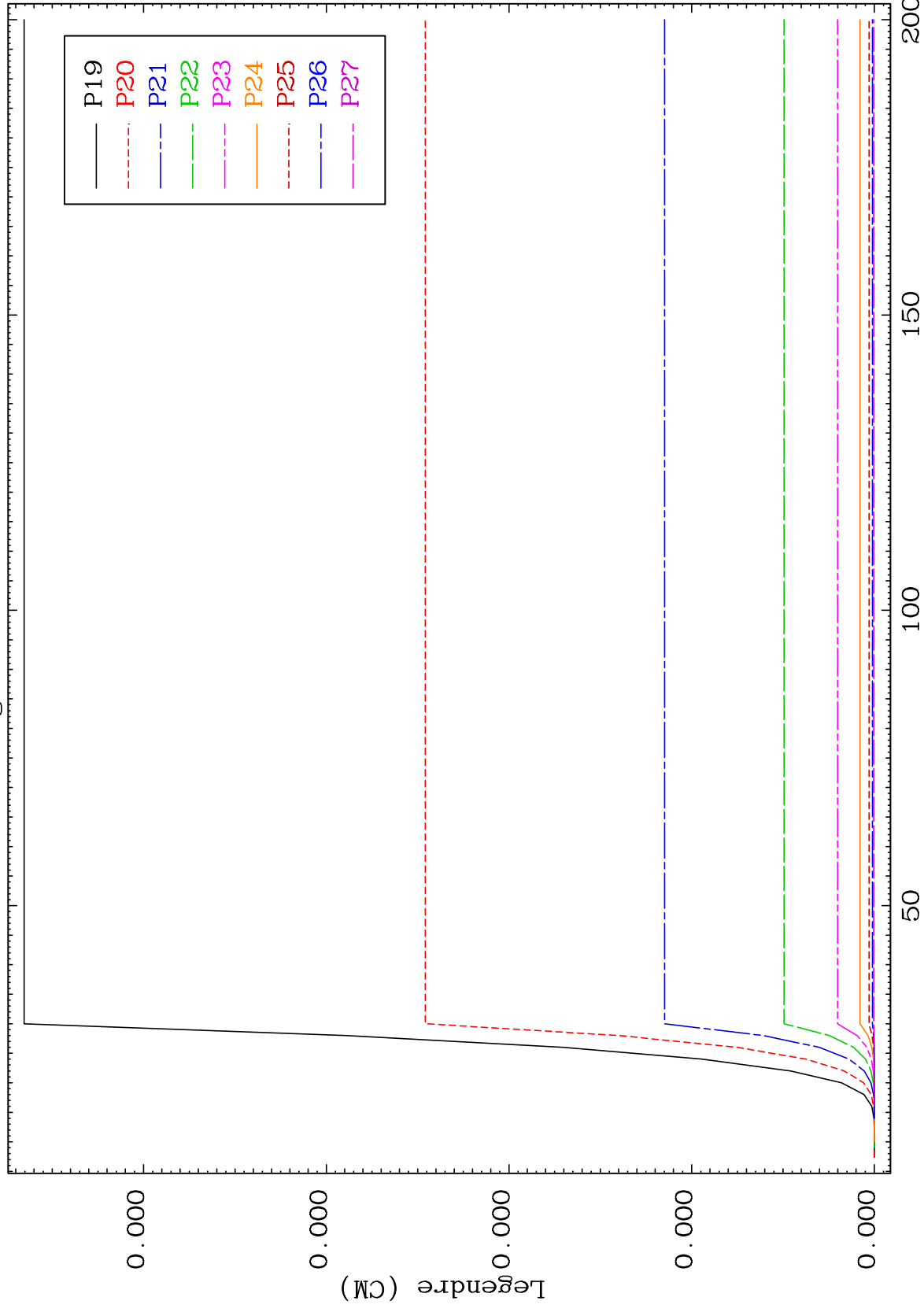
47-Ag-109



MAT 4731

1.324 MeV (n, n') Level  
Legendre Coefficients

47-Ag-109



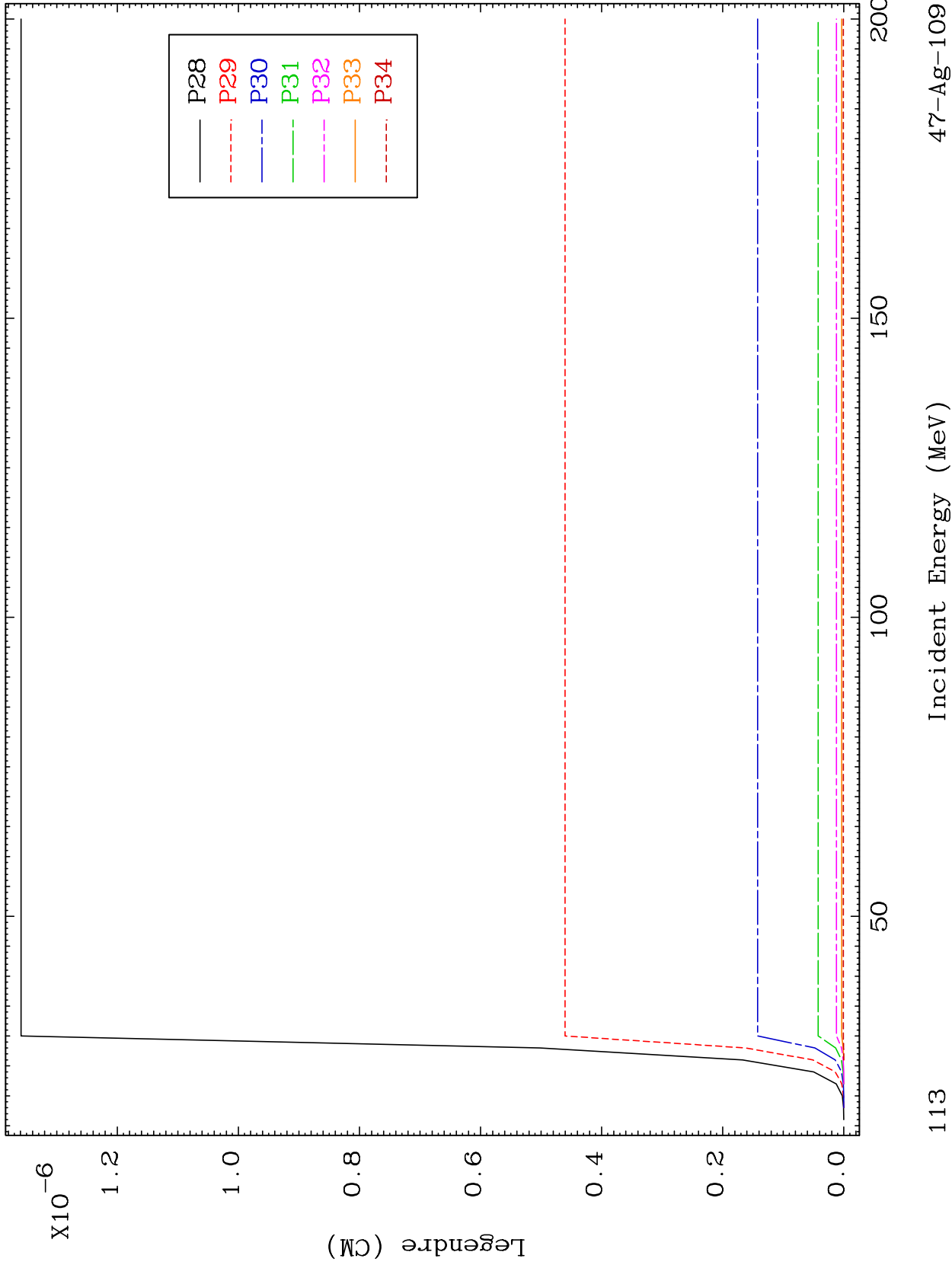
112

47-Ag-109

MAT 4731

1.324 MeV (n,n') Level  
Legendre Coefficients

47-Ag-109



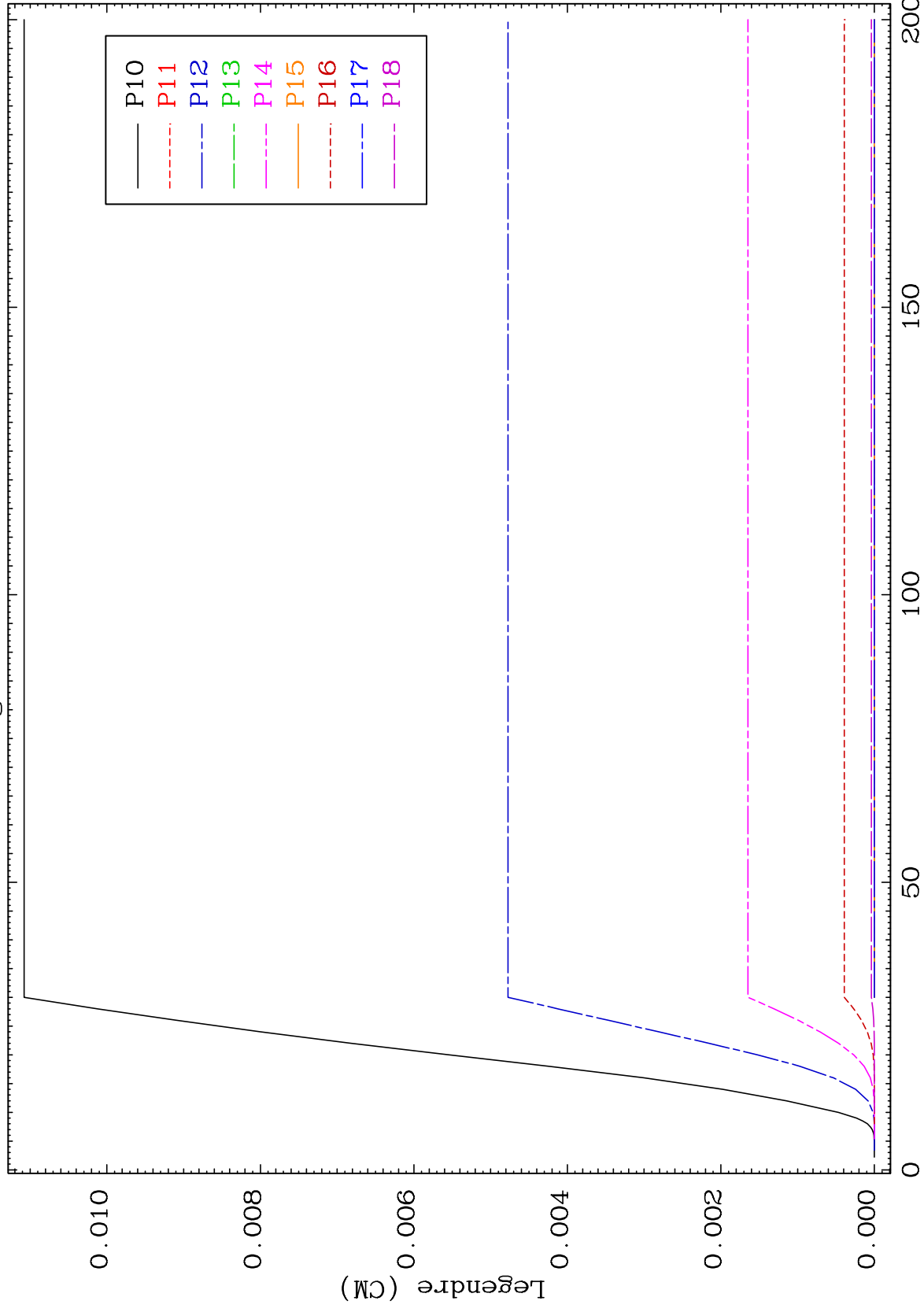
113



MAT 4731

1.430 MeV (n,n') Level  
Legendre Coefficients

47-Ag-109



115

Incident Energy (MeV)

47-Ag-109

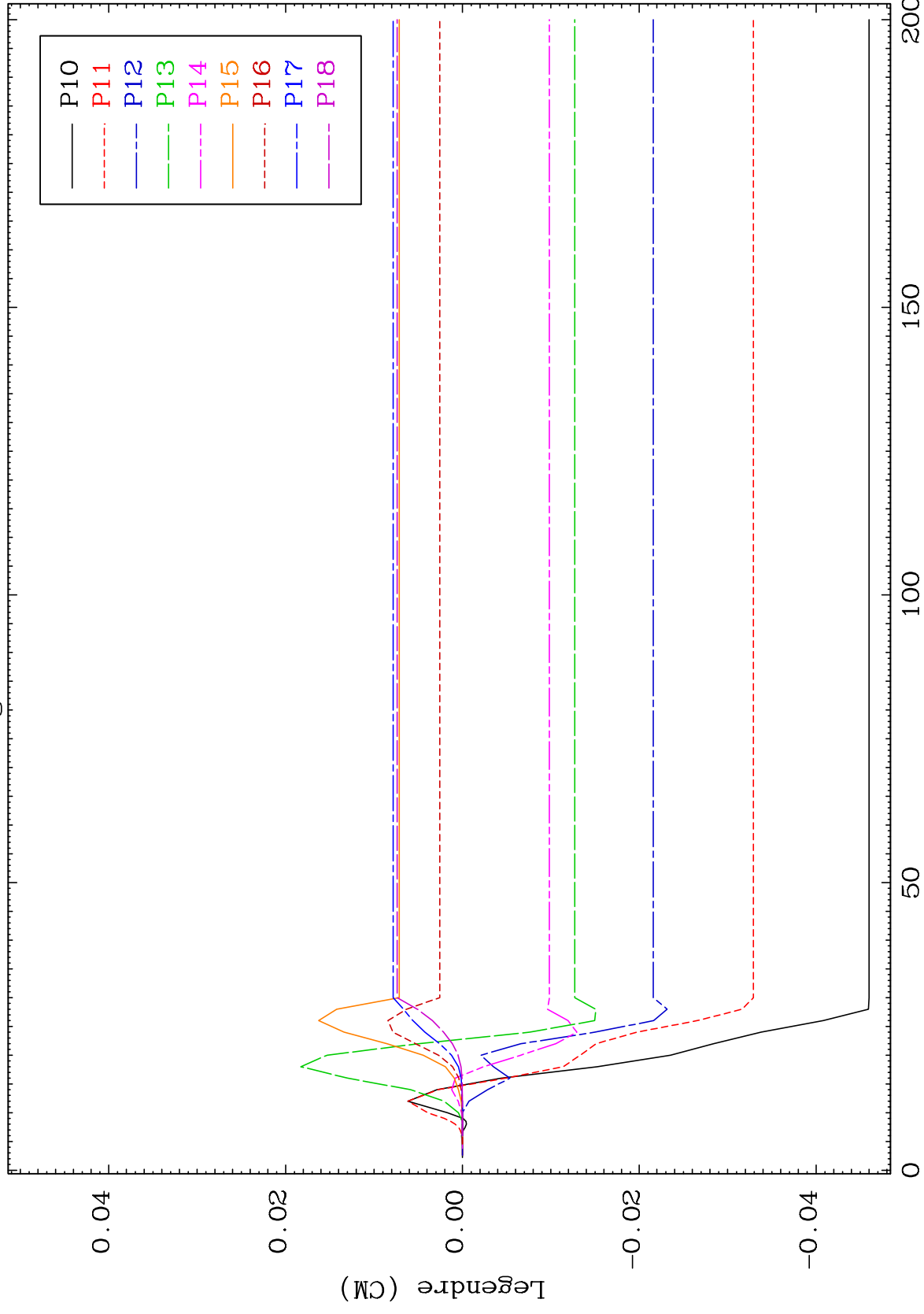




MAT 4731

1.490 MeV (n,n') Level  
Legendre Coefficients

47-Ag-109



118

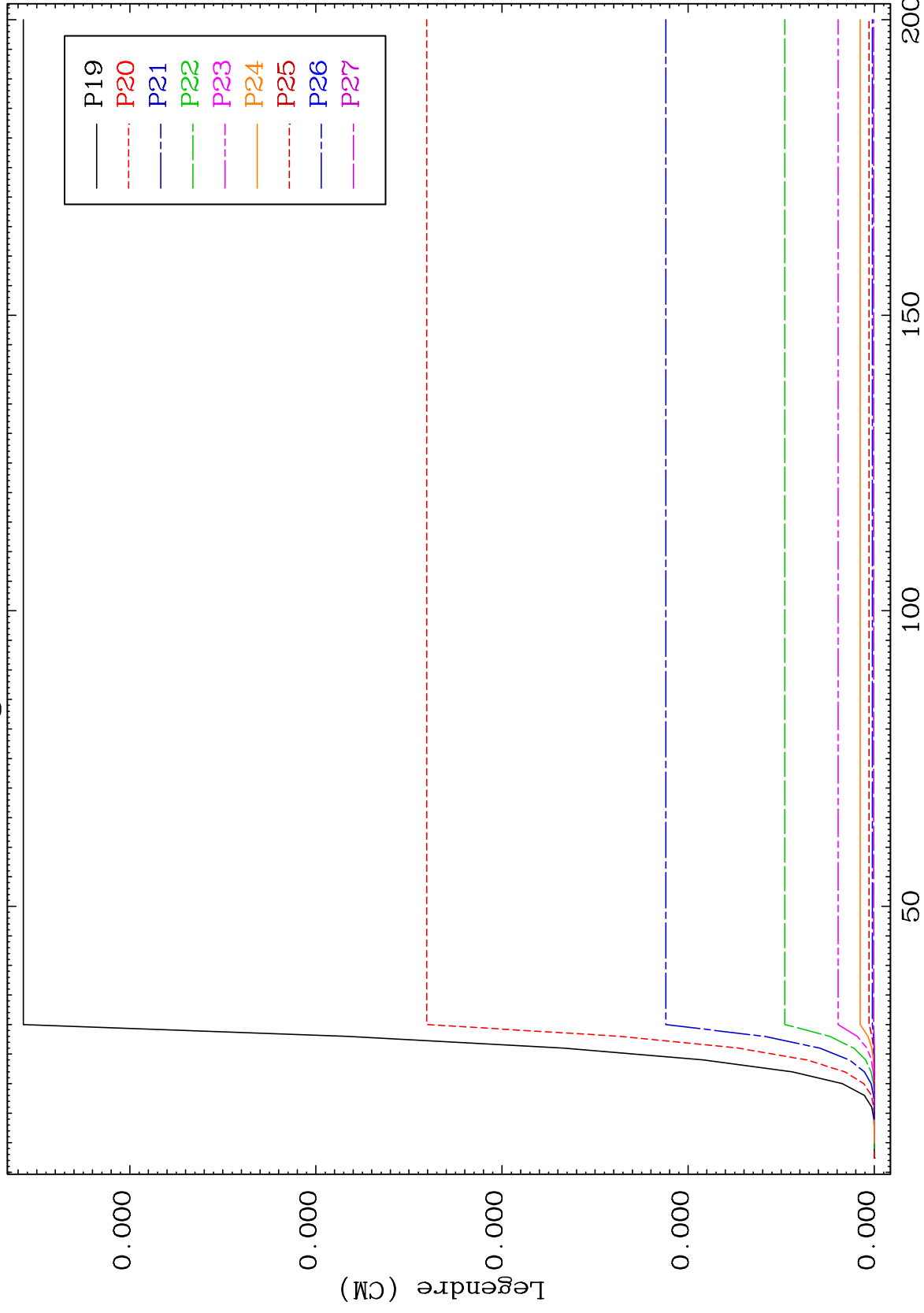
Incident Energy (MeV)

47-Ag-109

MAT 4731

1.490 MeV (n, n') Level  
Legendre Coefficients

47-Ag-109



119

Incident Energy (MeV)

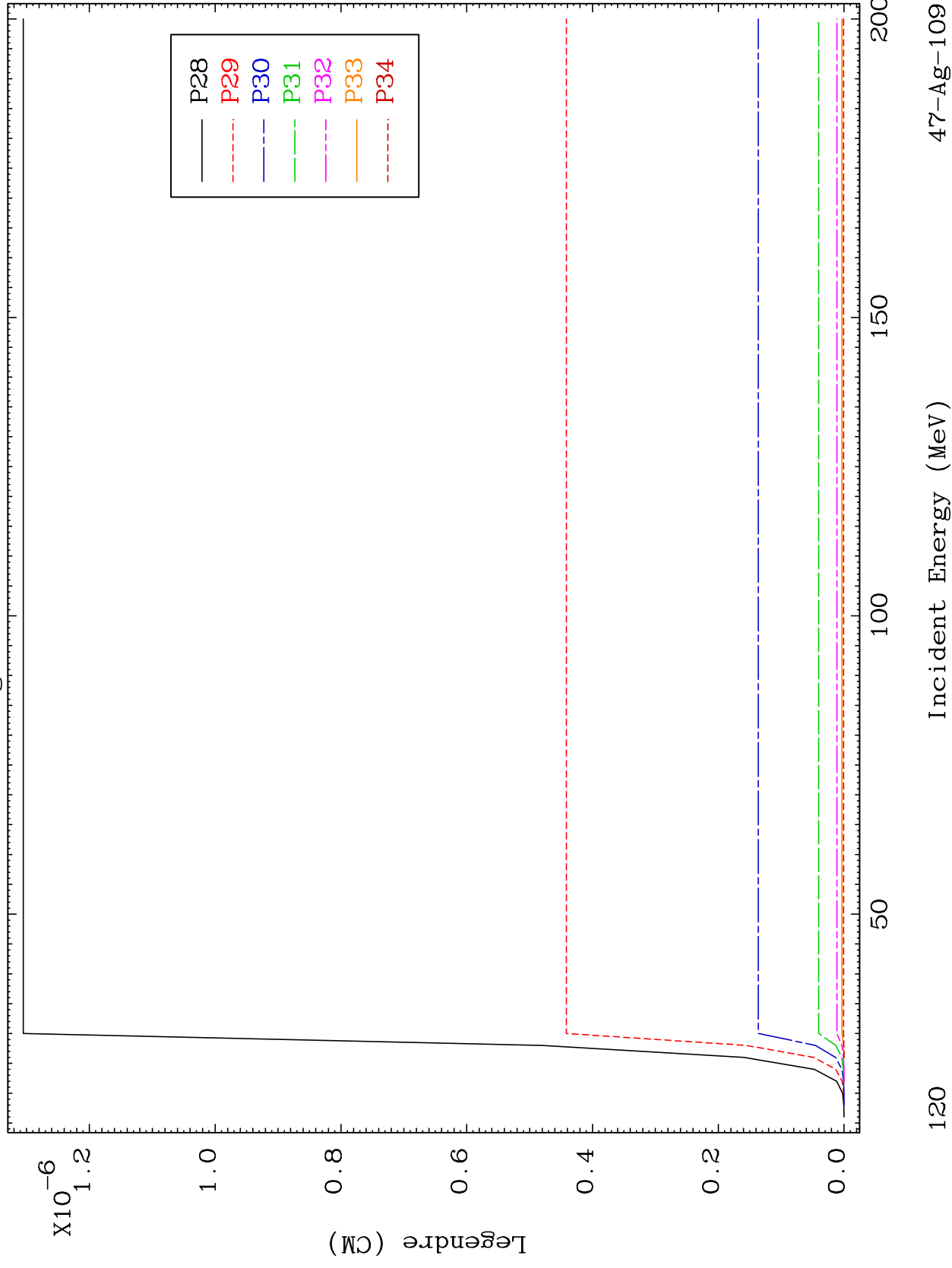
47-Ag-109

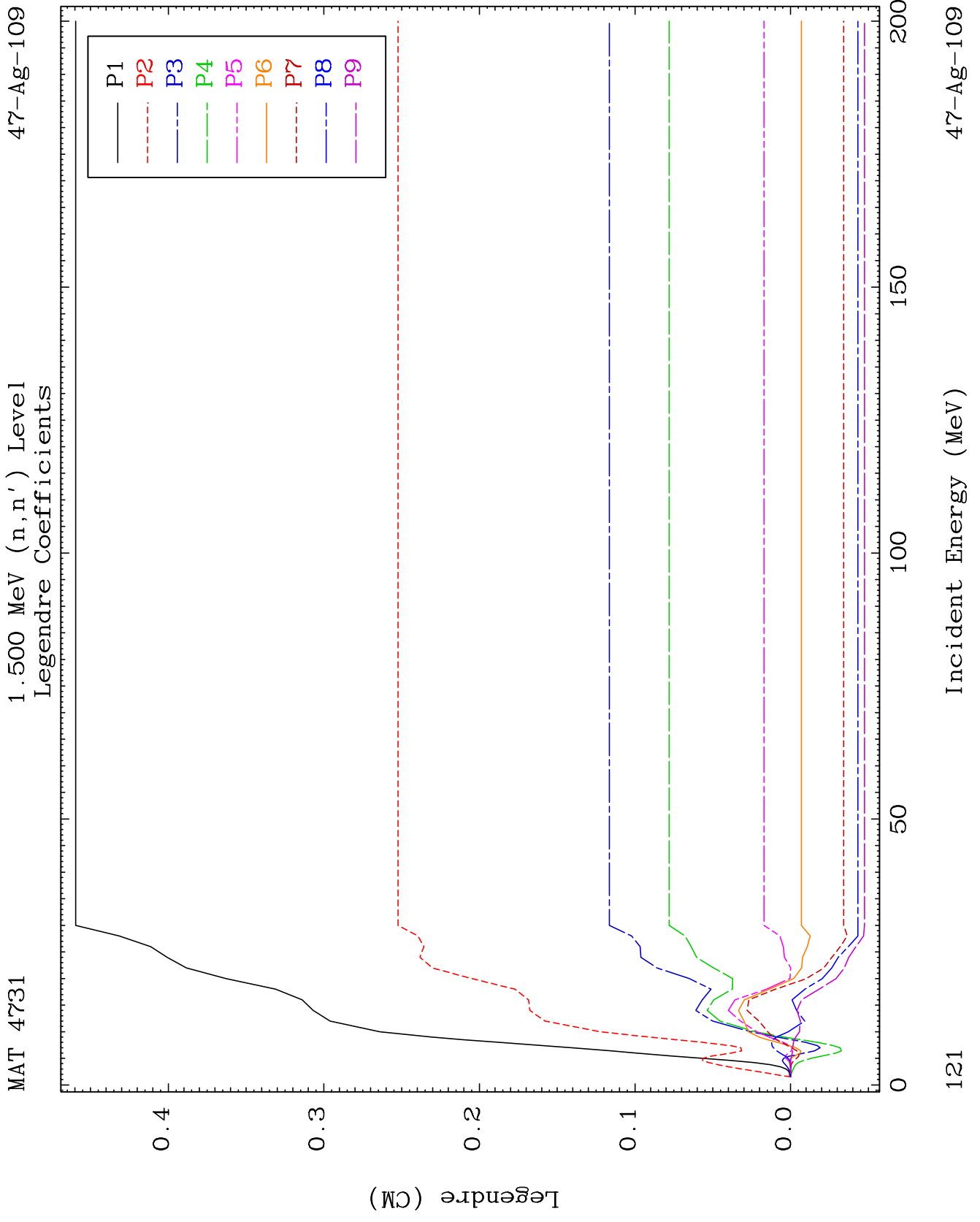


MAT 4731

1.490 MeV (n,n') Level  
Legendre Coefficients

47-Ag-109

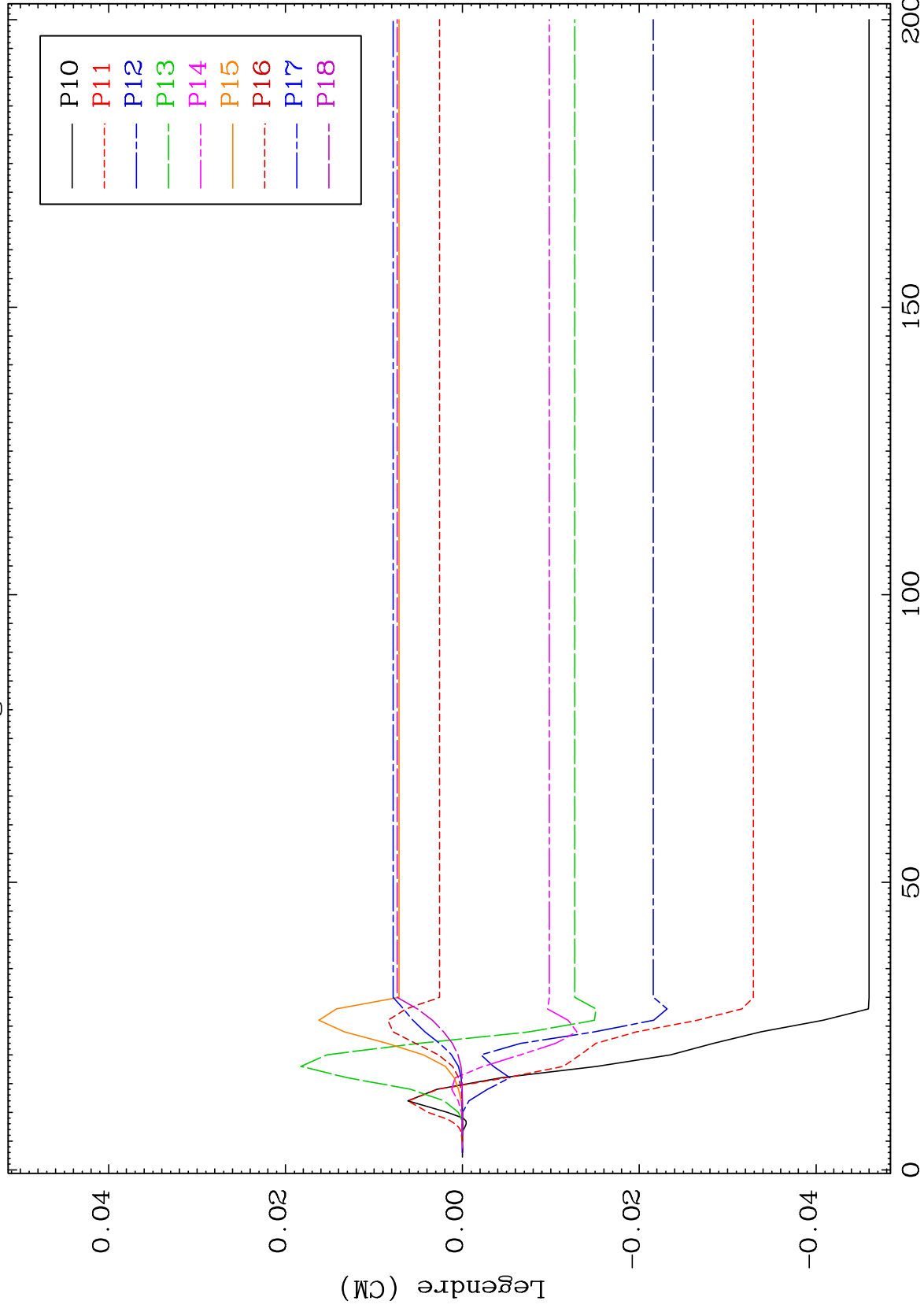




MAT 4731

1.500 MeV (n,n') Level  
Legendre Coefficients

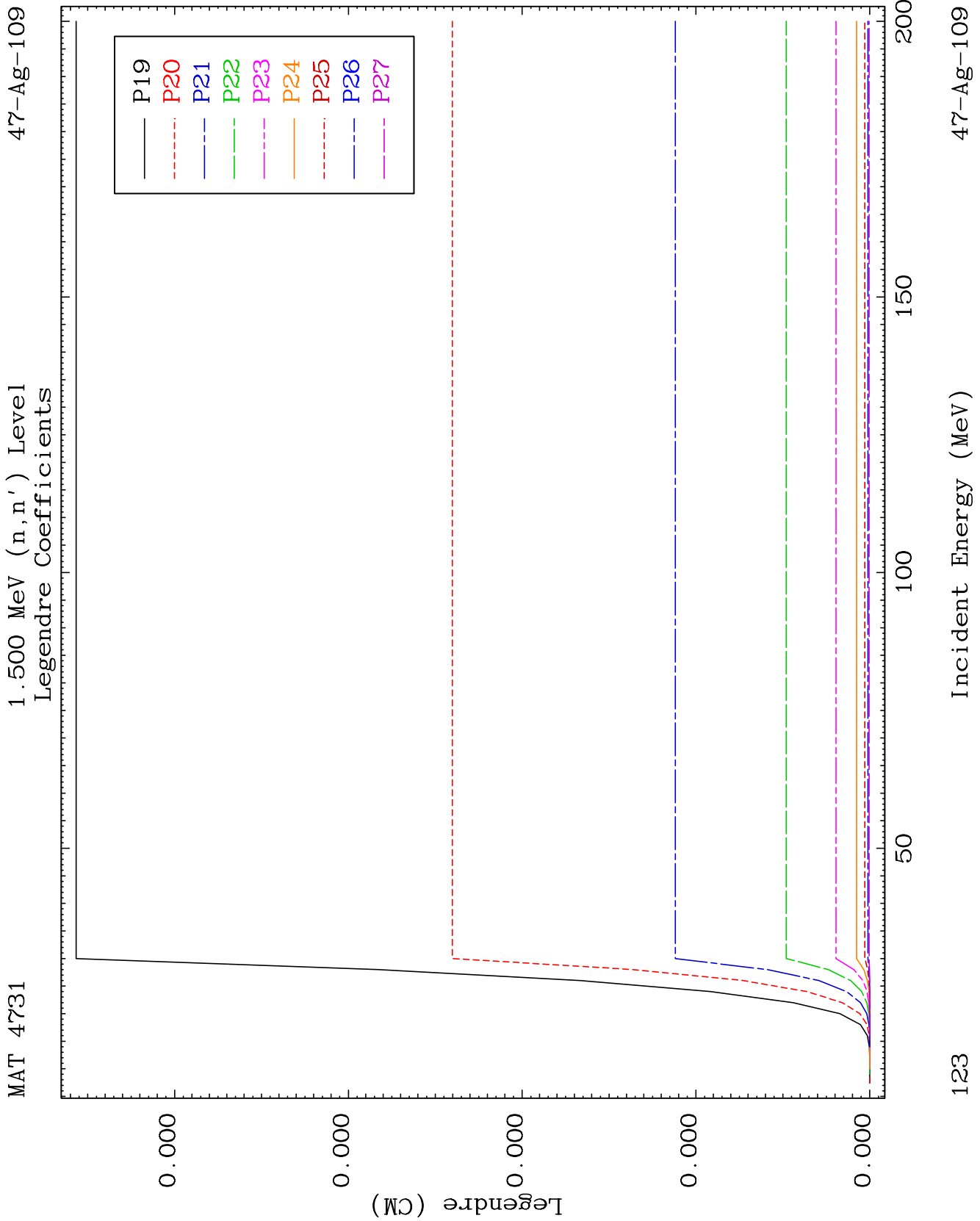
47-Ag-109



122

Incident Energy (MeV)

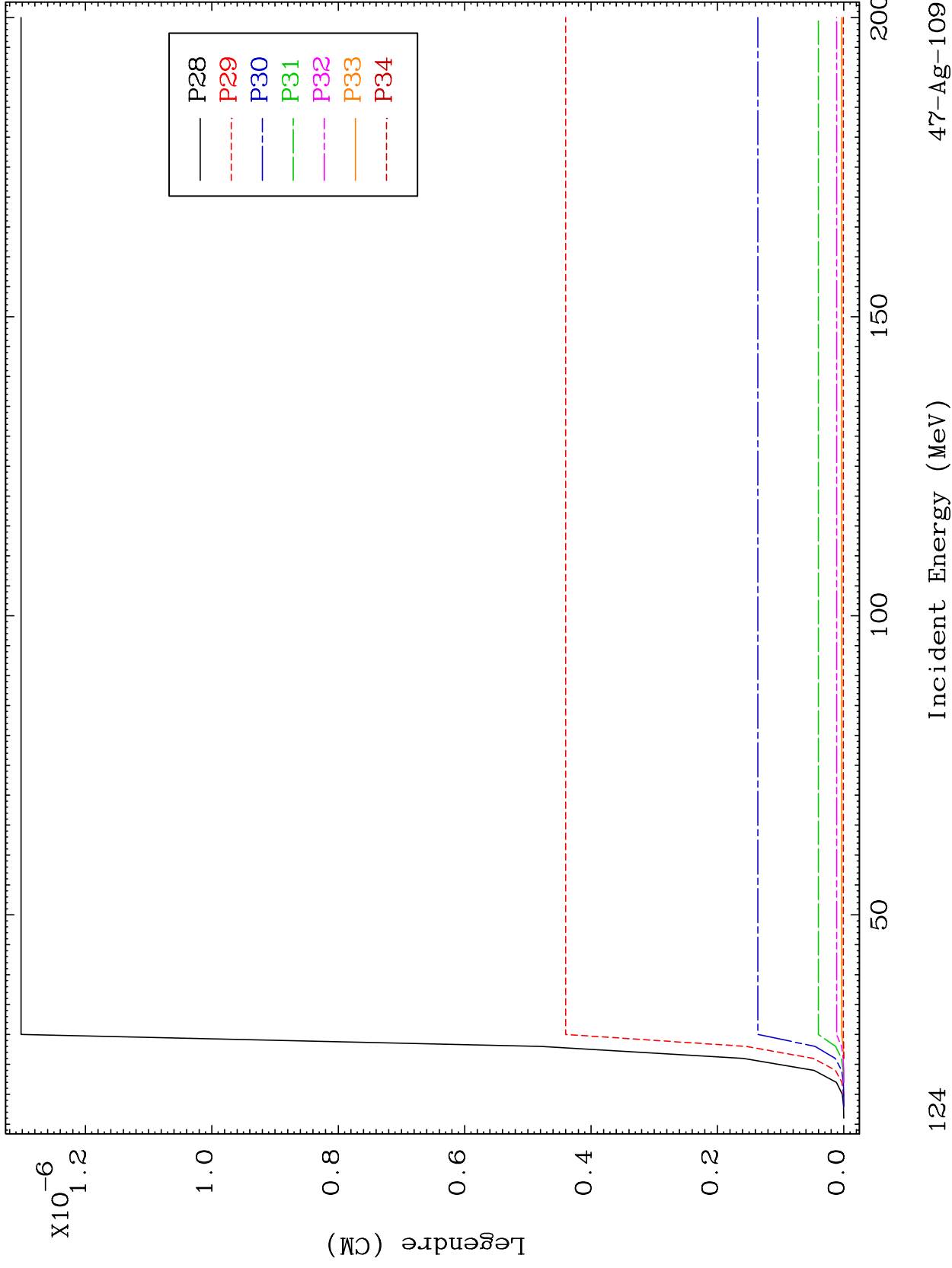
47-Ag-109



MAT 4731

1.500 MeV (n,n') Level  
Legendre Coefficients

47-Ag-109



124

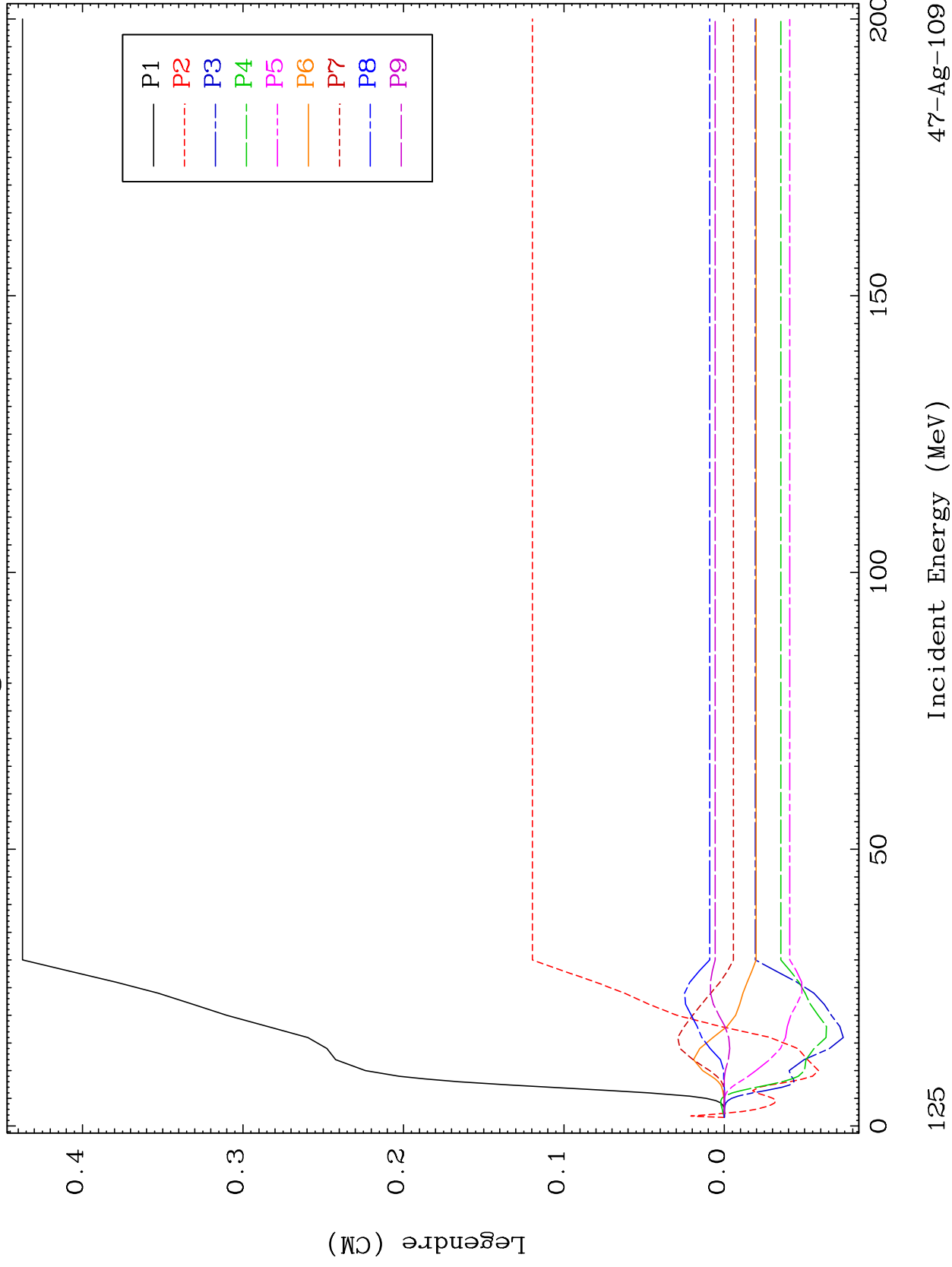
Incident Energy (MeV)

47-Ag-109

MAT 4731

1.524 MeV (n,n') Level  
Legendre Coefficients

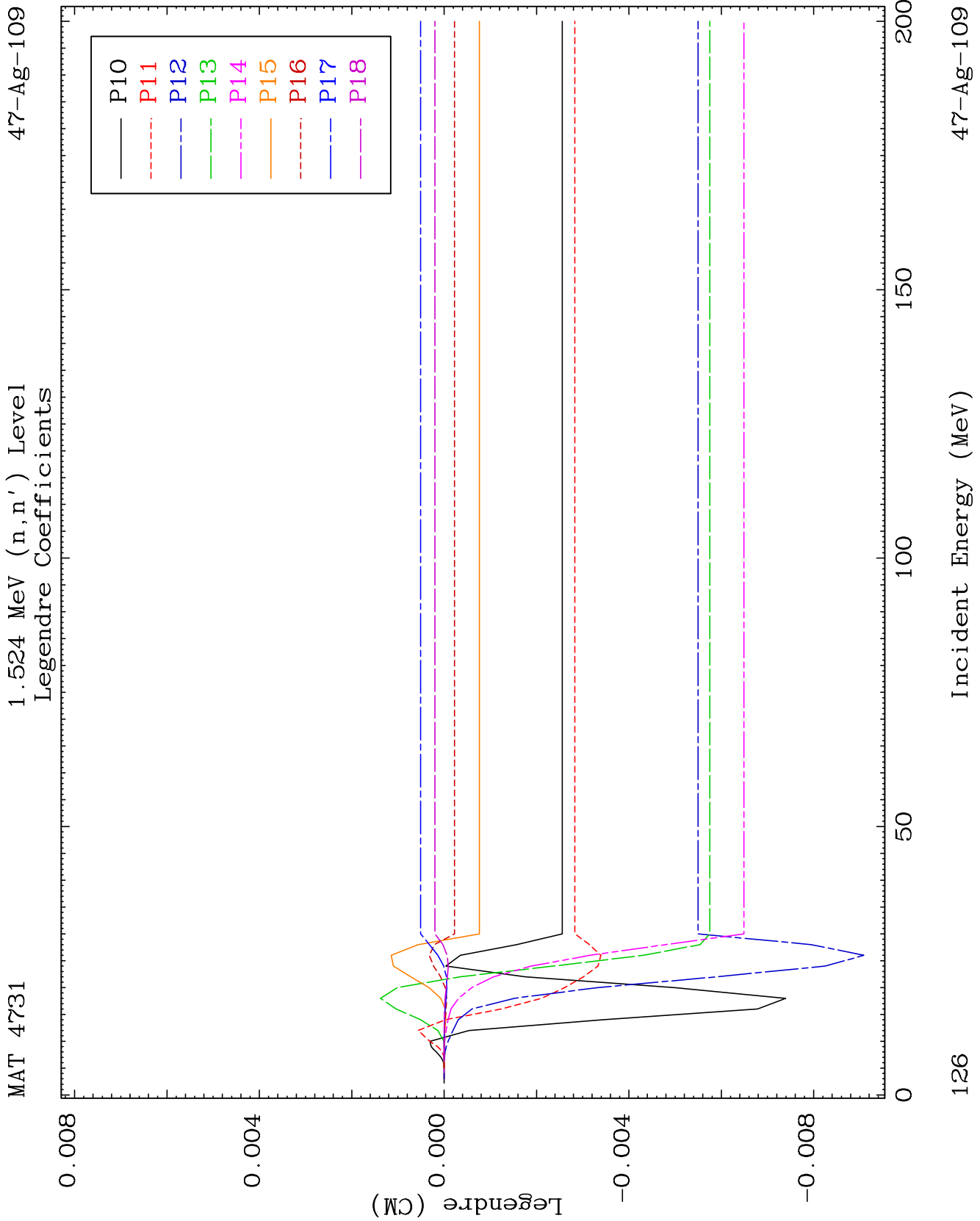
47-Ag-109

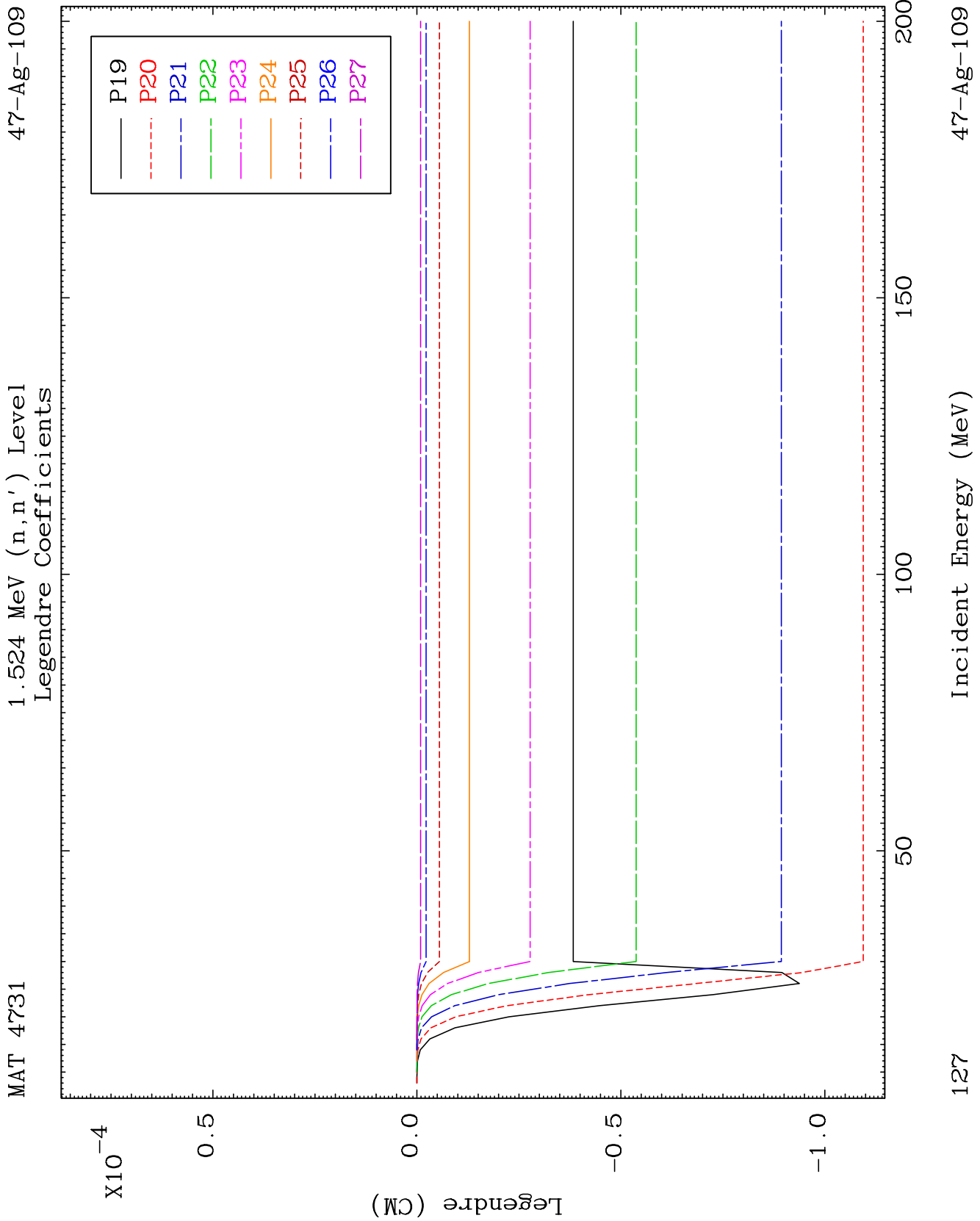


47-Ag-109

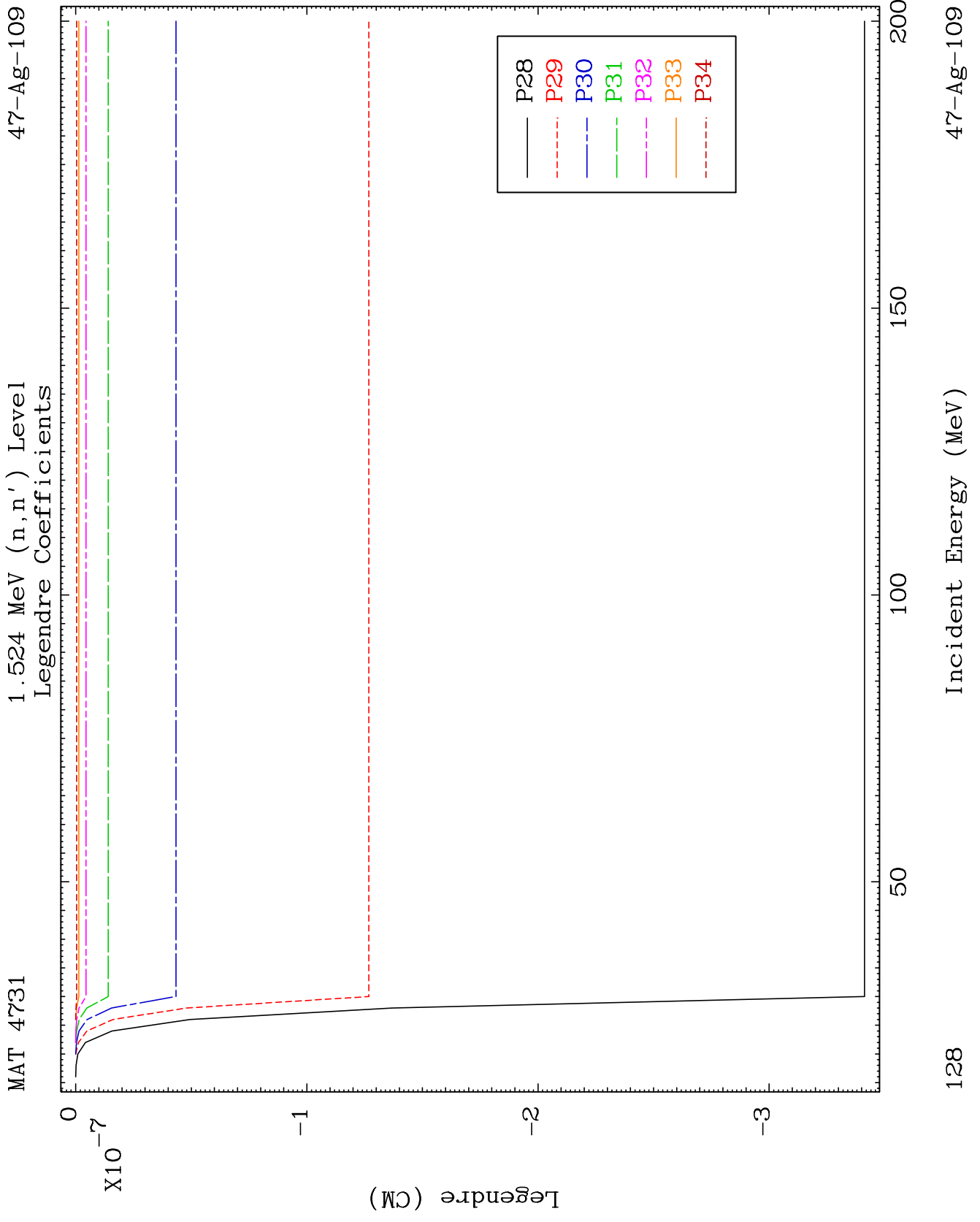
Incident Energy (MeV)

125





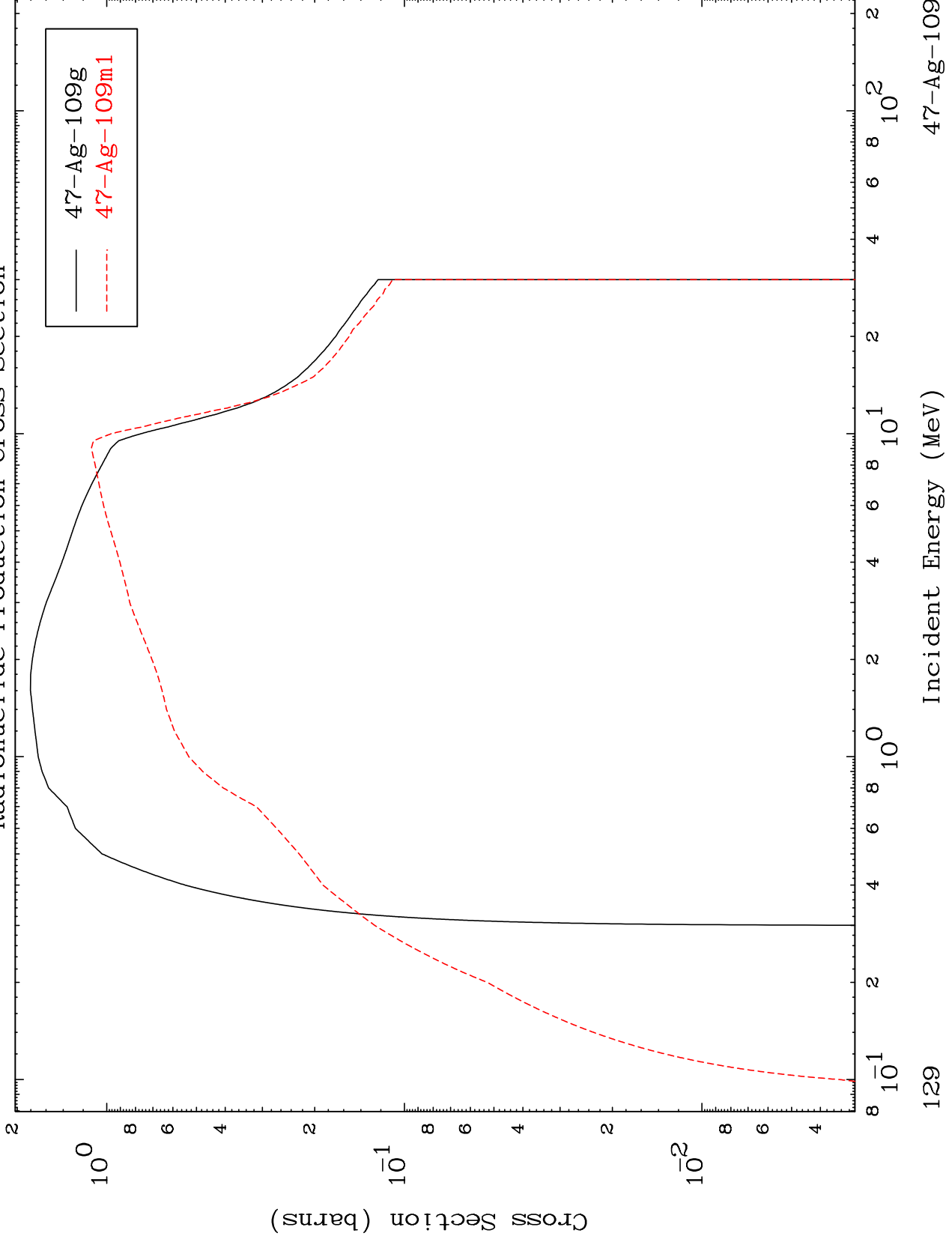




MAT 4731

47-Ag-109

Inelastic  
Radionuclide Production Cross Section



— 47-Ag-109g  
- - - 47-Ag-109m1

47-Ag-109

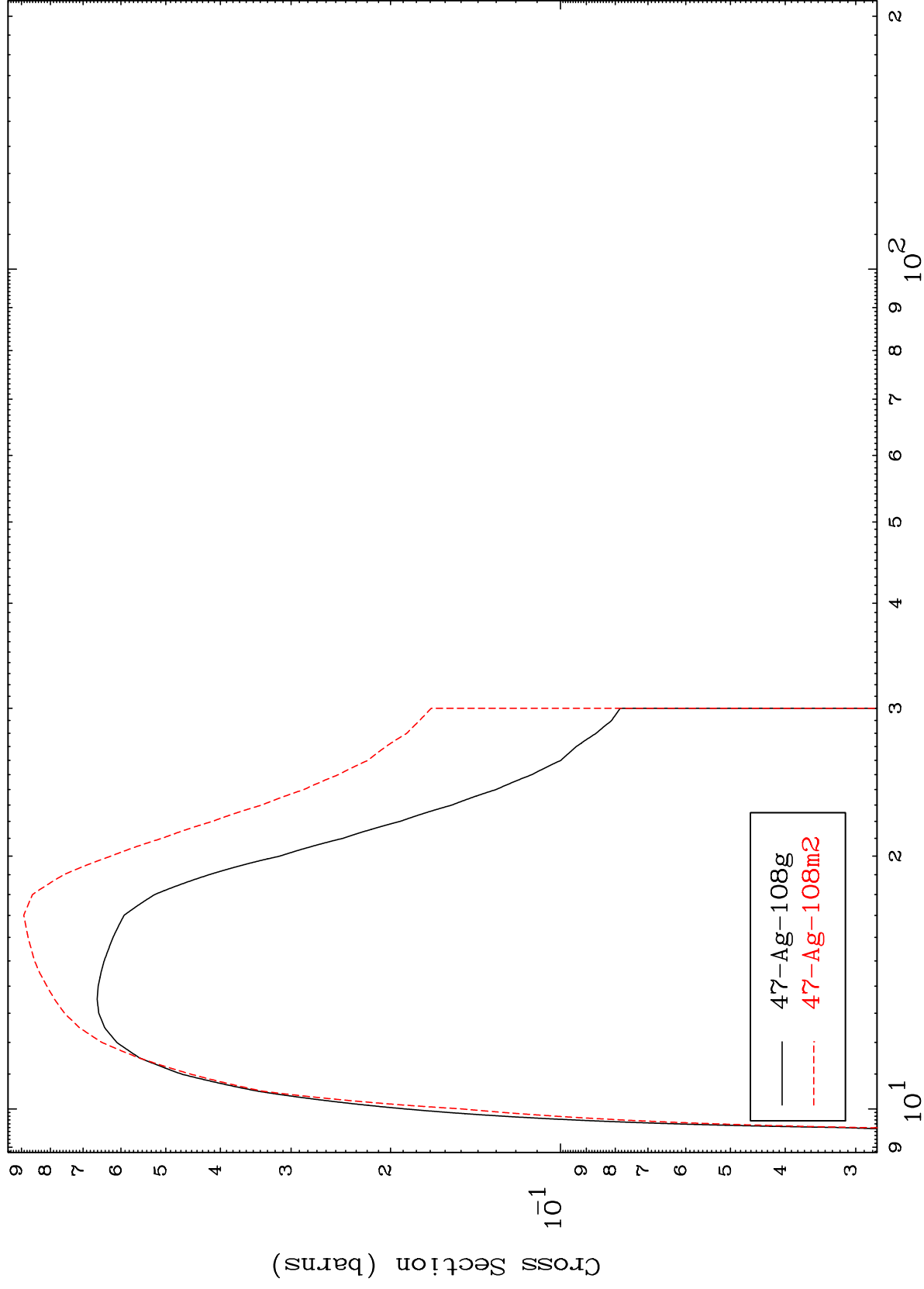
Incident Energy (MeV)

129

MAT 4731

47-Ag-109

(n,2n)  
Radionuclide Production Cross Section



47-Ag-109

Incident Energy (MeV)

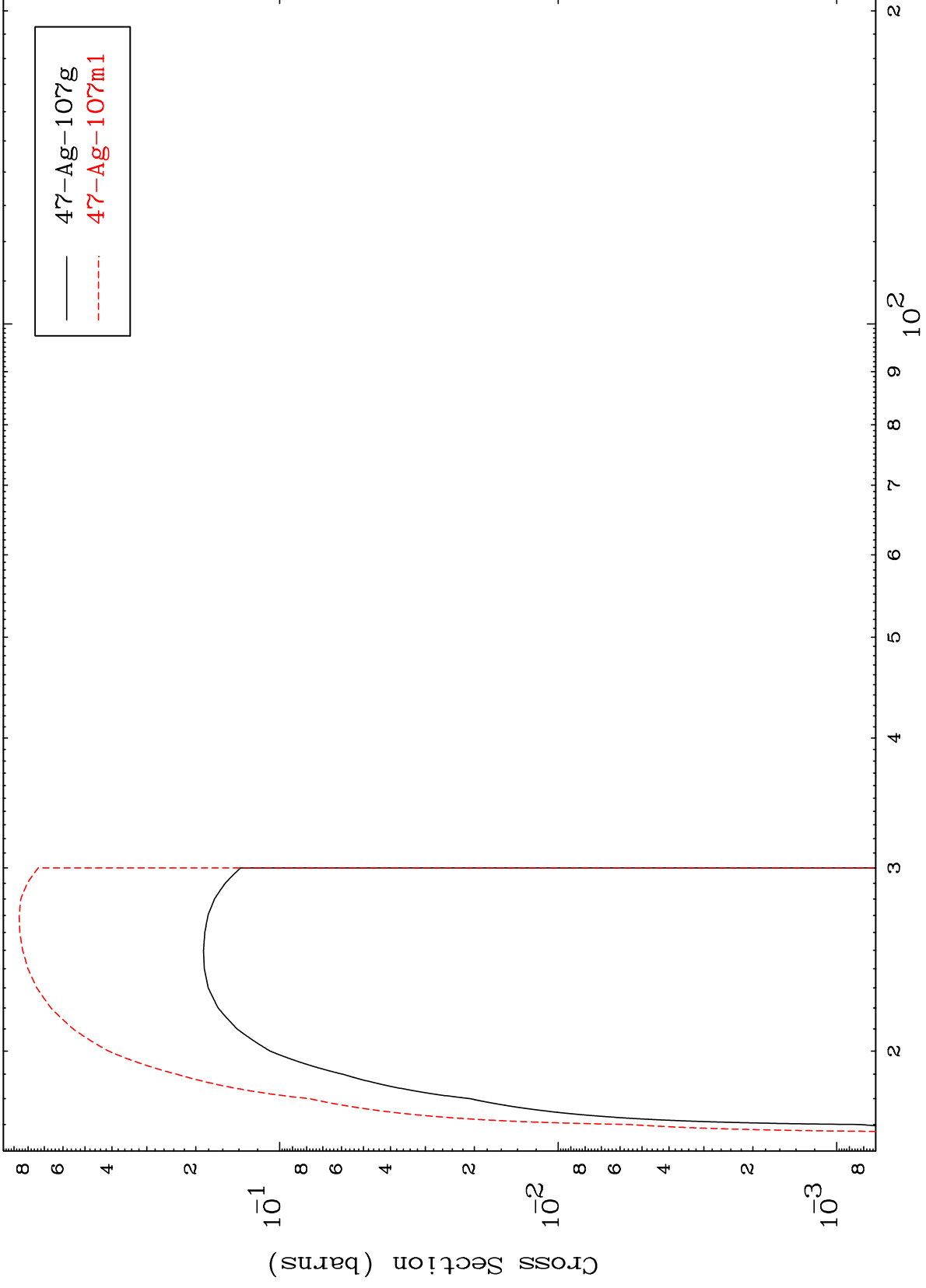
130

MAT 4731

(n,3n)

47-Ag-109

Radionuclide Production Cross Section



131

Incident Energy (MeV)

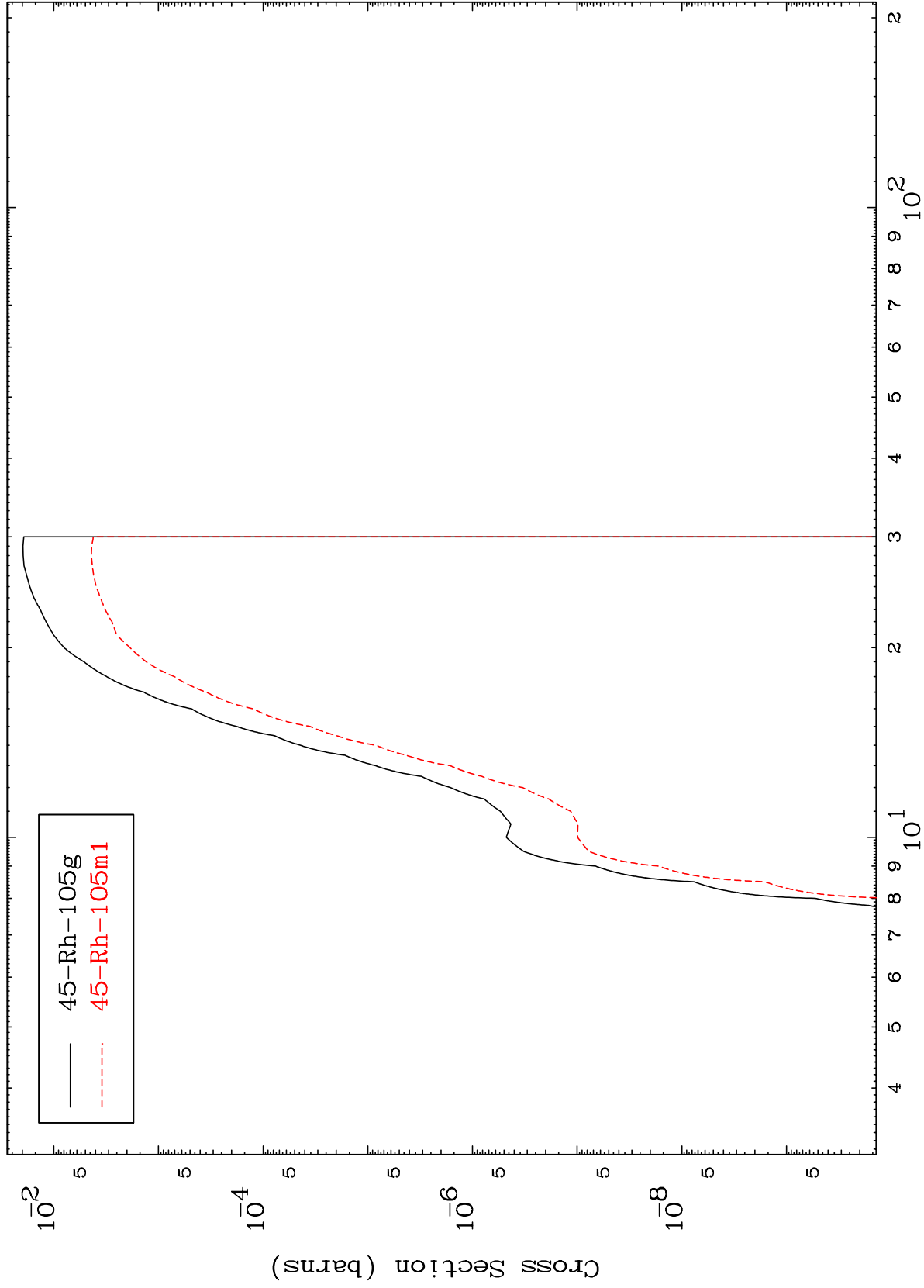
47-Ag-109

MAT 4731

47-Ag-109

(n,n')  $\alpha$

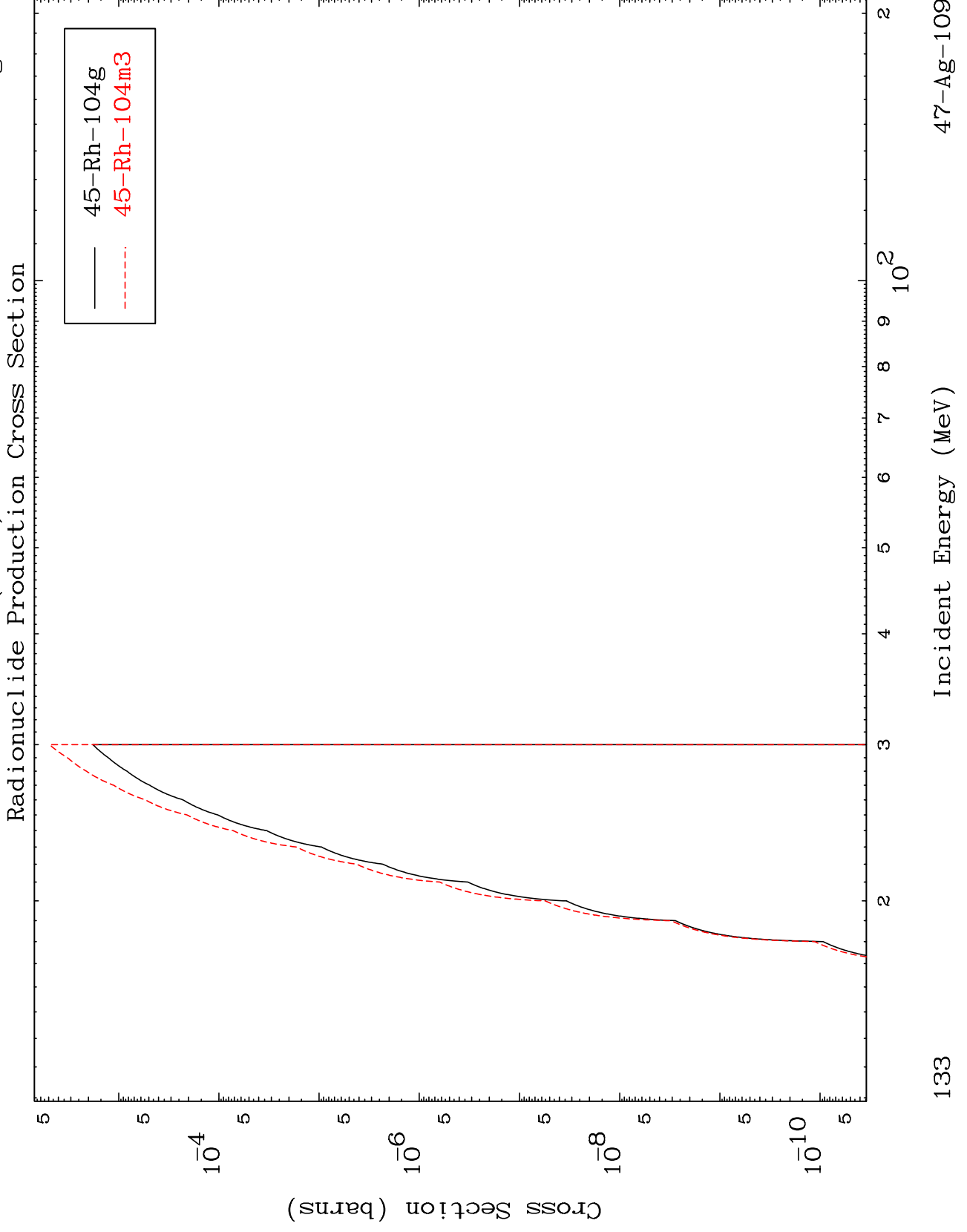
Radionuclide Production Cross Section



132

Incident Energy (MeV)

47-Ag-109

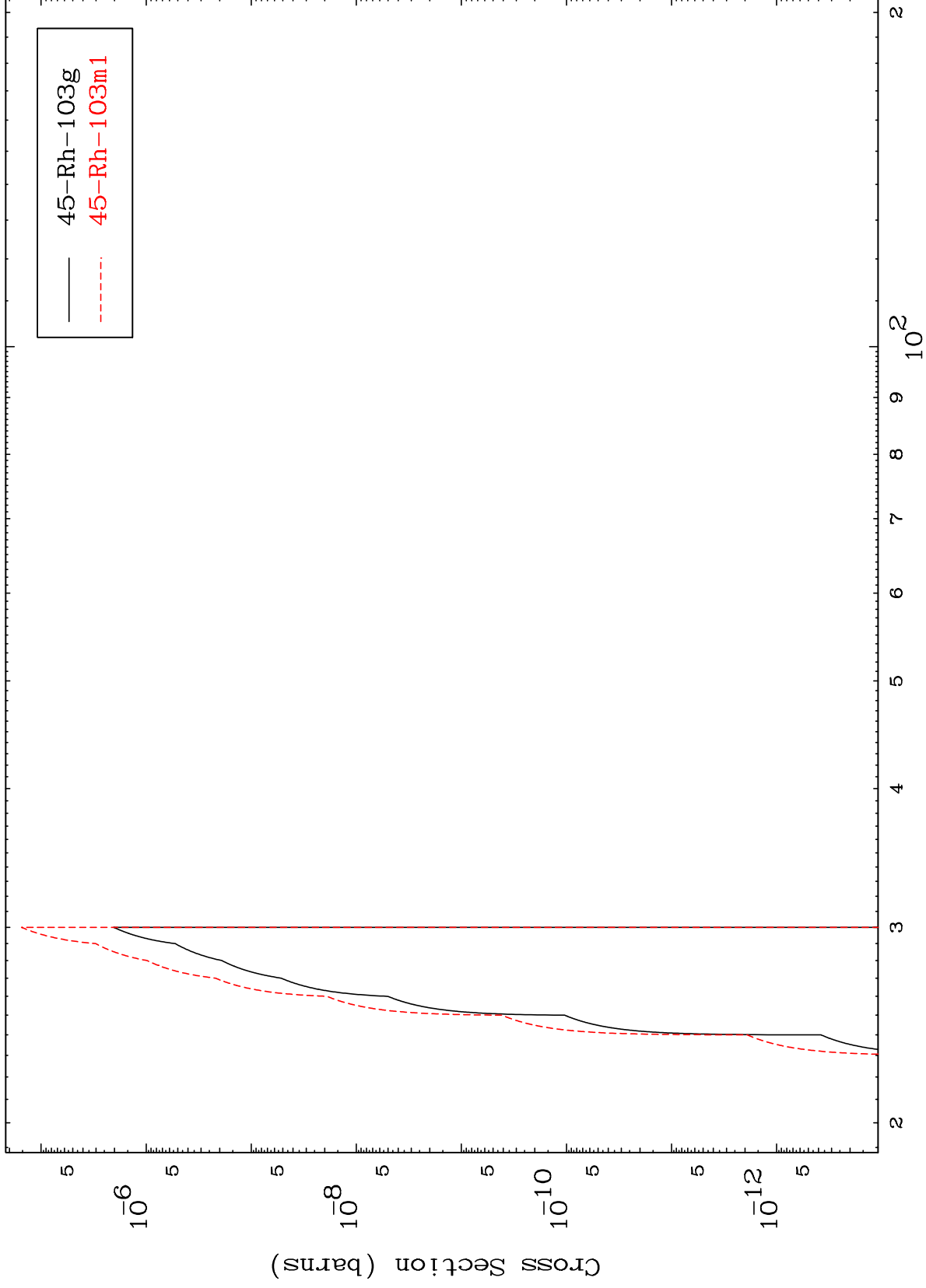


MAT 4731

(n,3n)  $\alpha$

47-Ag-109

Radionuclide Production Cross Section



134

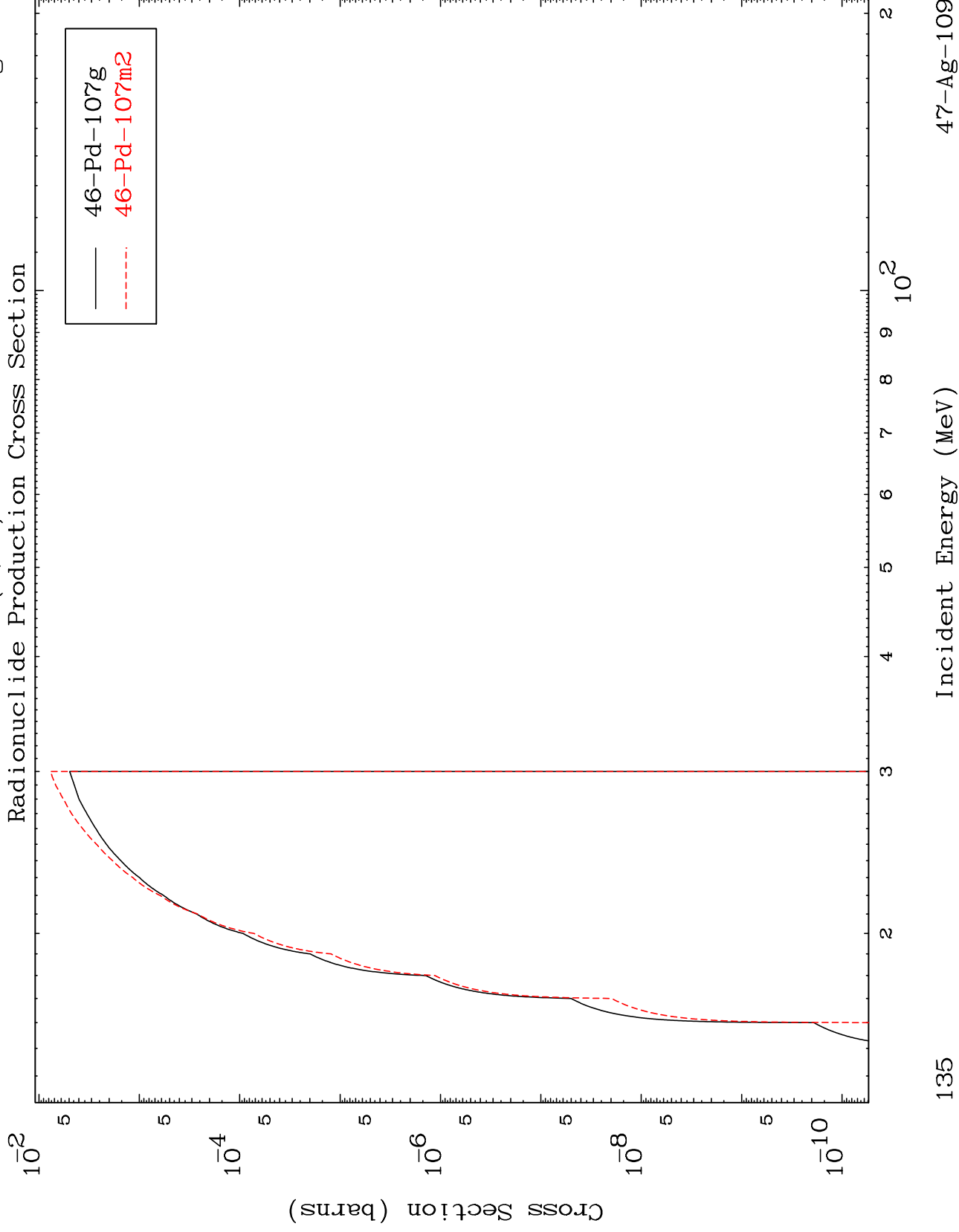
Incident Energy (MeV)

47-Ag-109

MAT 4731

(n,n') d

47-Ag-109



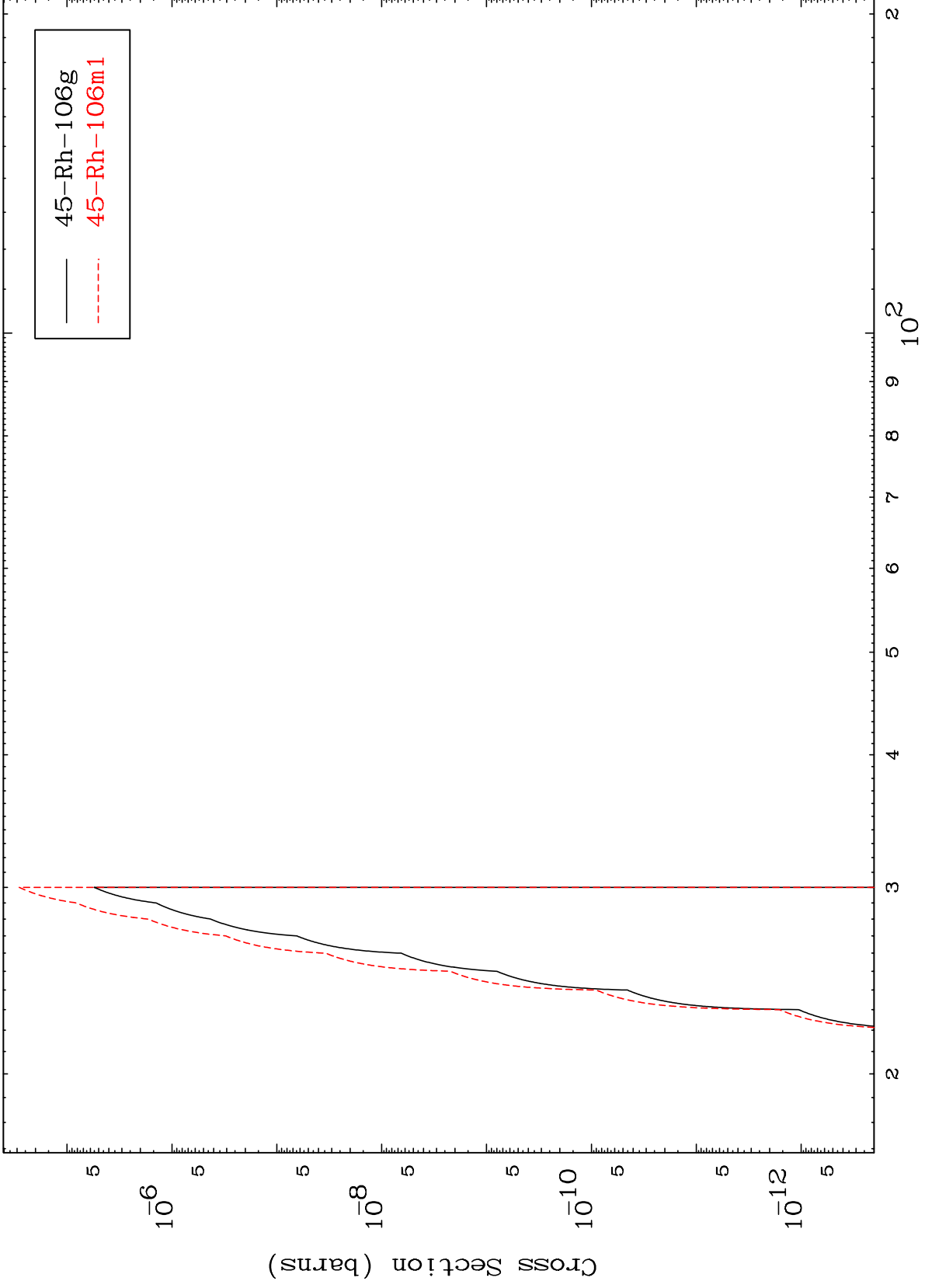
135

Incident Energy (MeV)

47-Ag-109



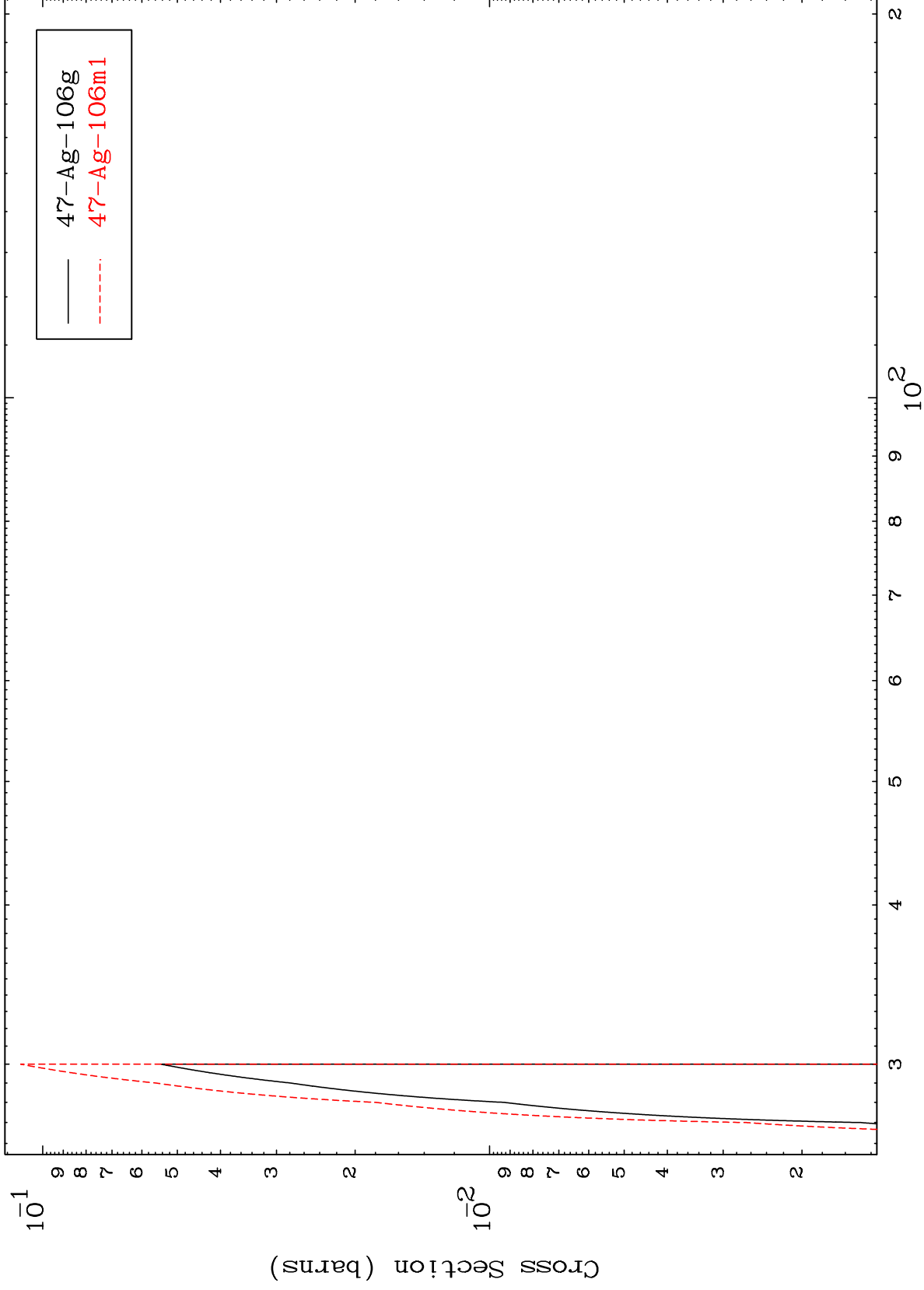
Radionuclide Production Cross Section



MAT 4731

47-Ag-109

(n,4n)  
Radionuclide Production Cross Section

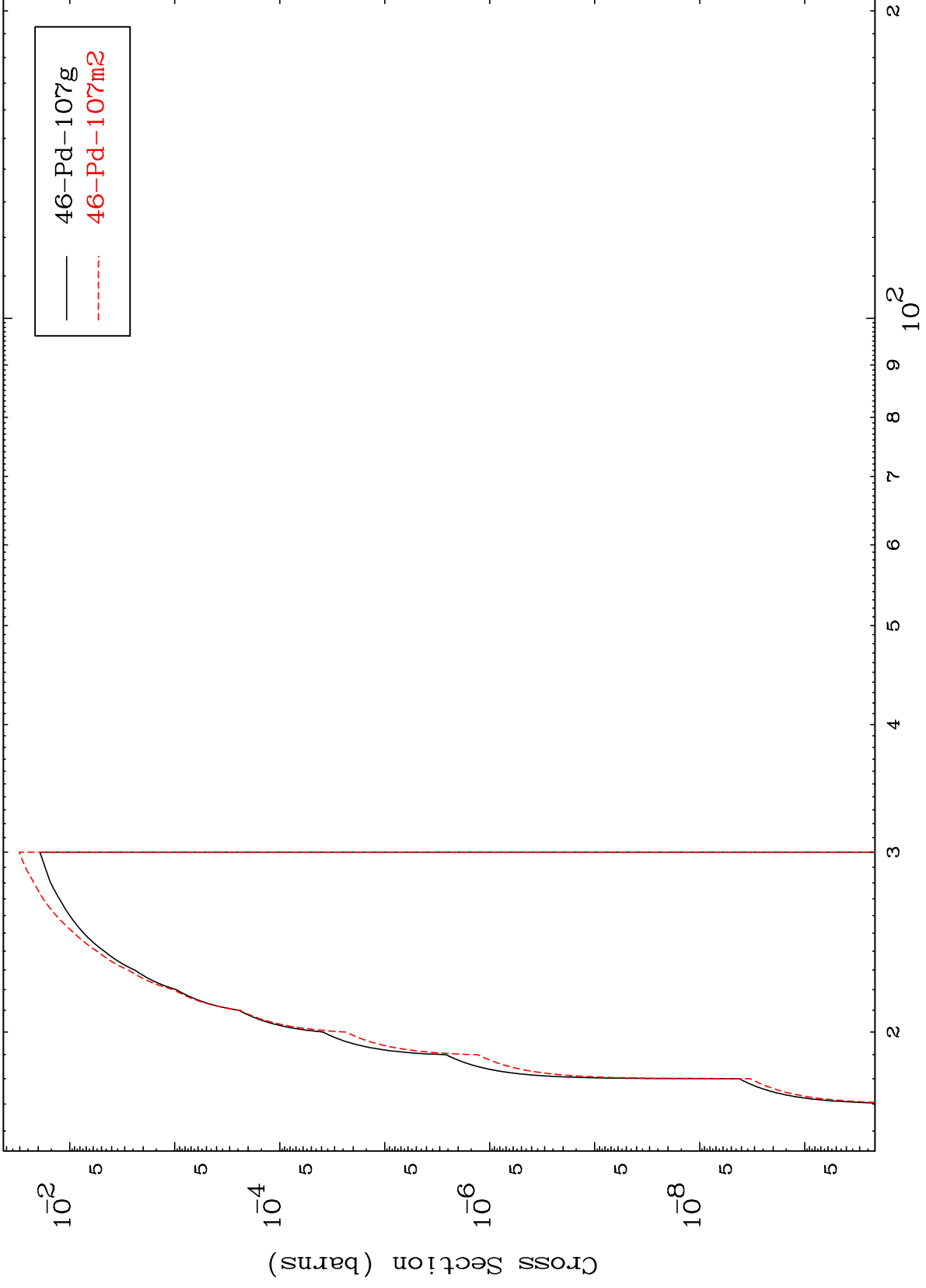


137

Incident Energy (MeV)

47-Ag-109

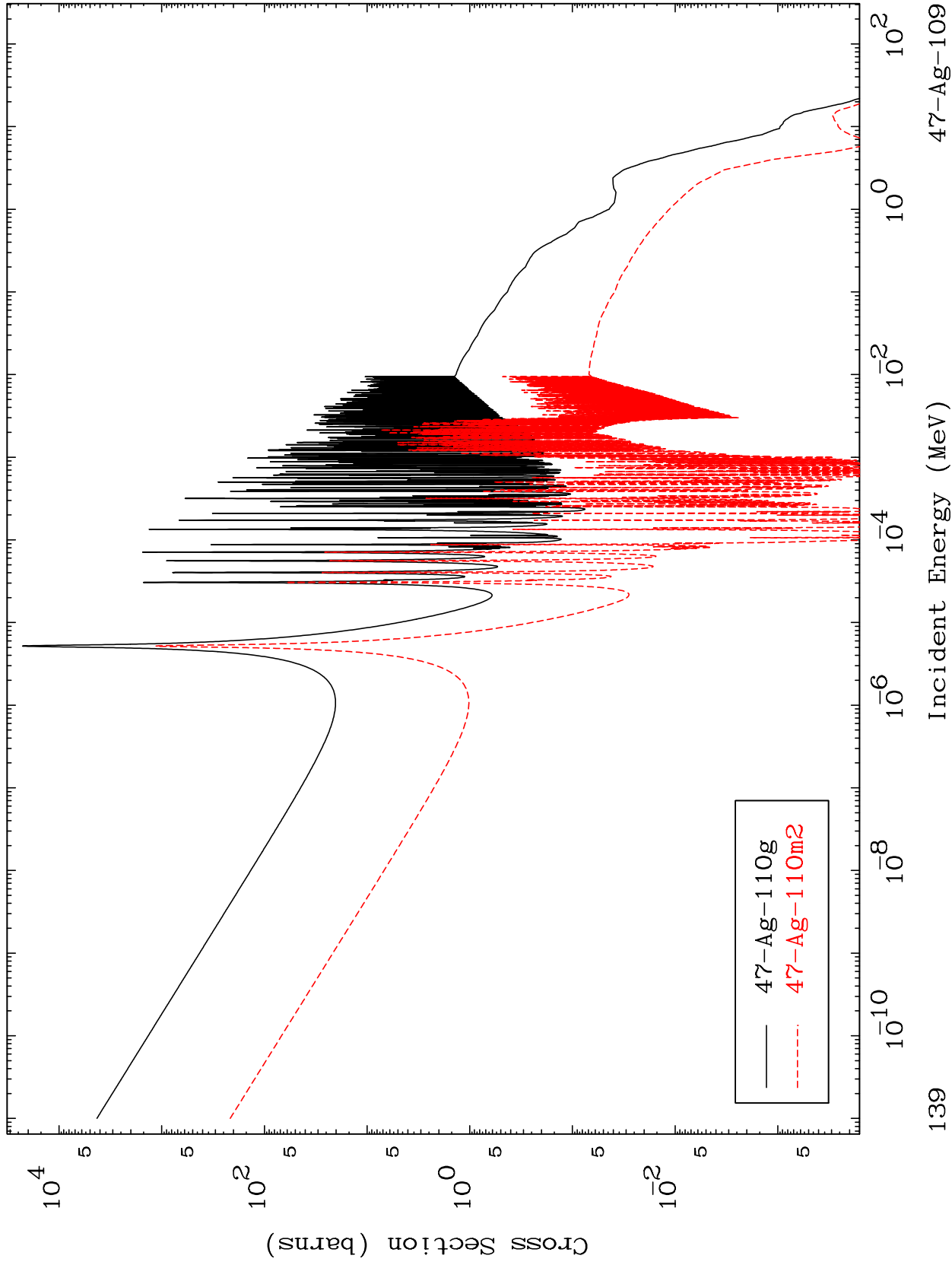
Radionuclide Production Cross Section



MAT 4731

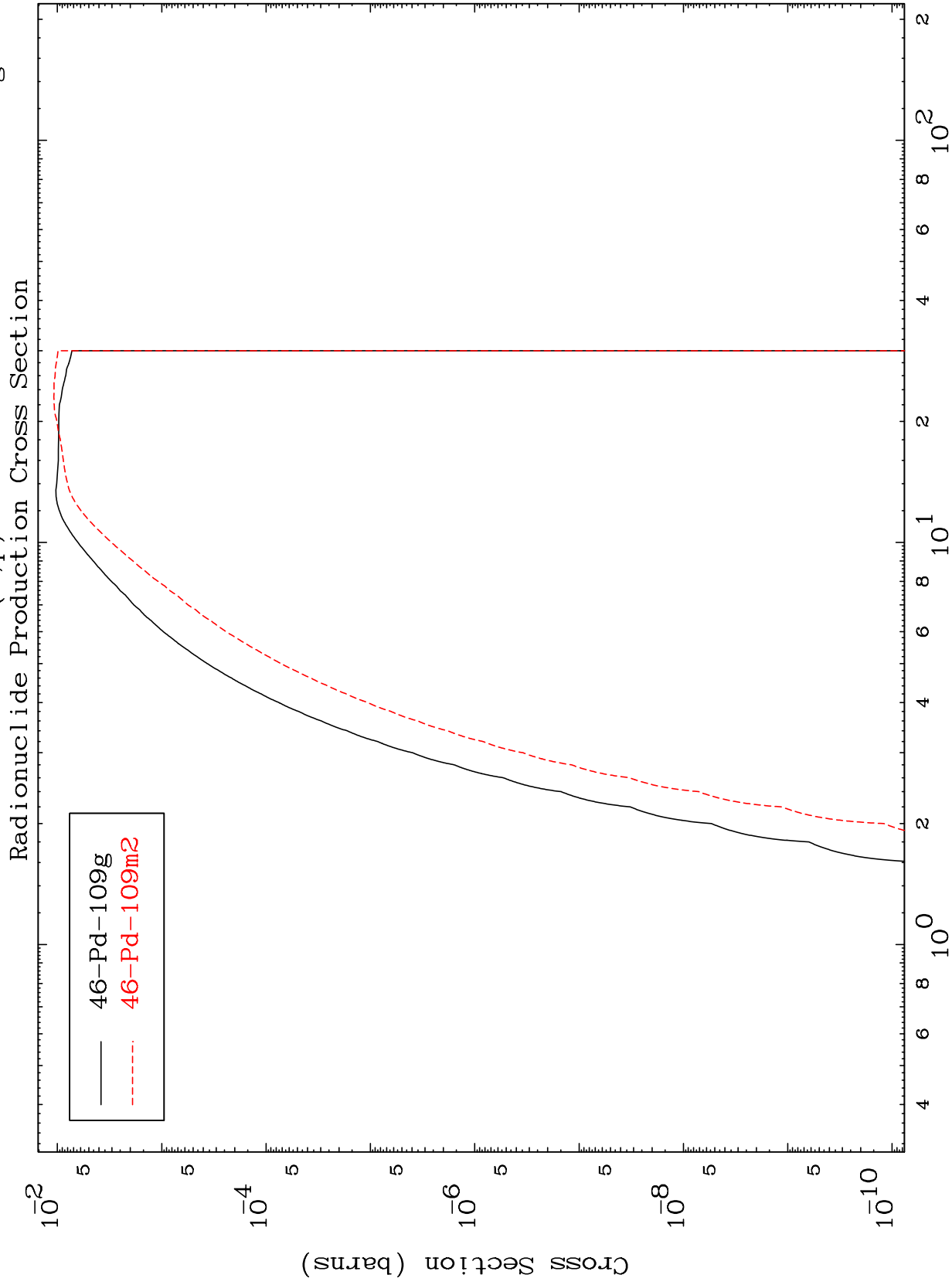
47-Ag-109

(n,γ)  
Radionuclide Production Cross Section



MAT 4731

47-Ag-109



— 46-Pd-109g  
- - - 46-Pd-109m2

140

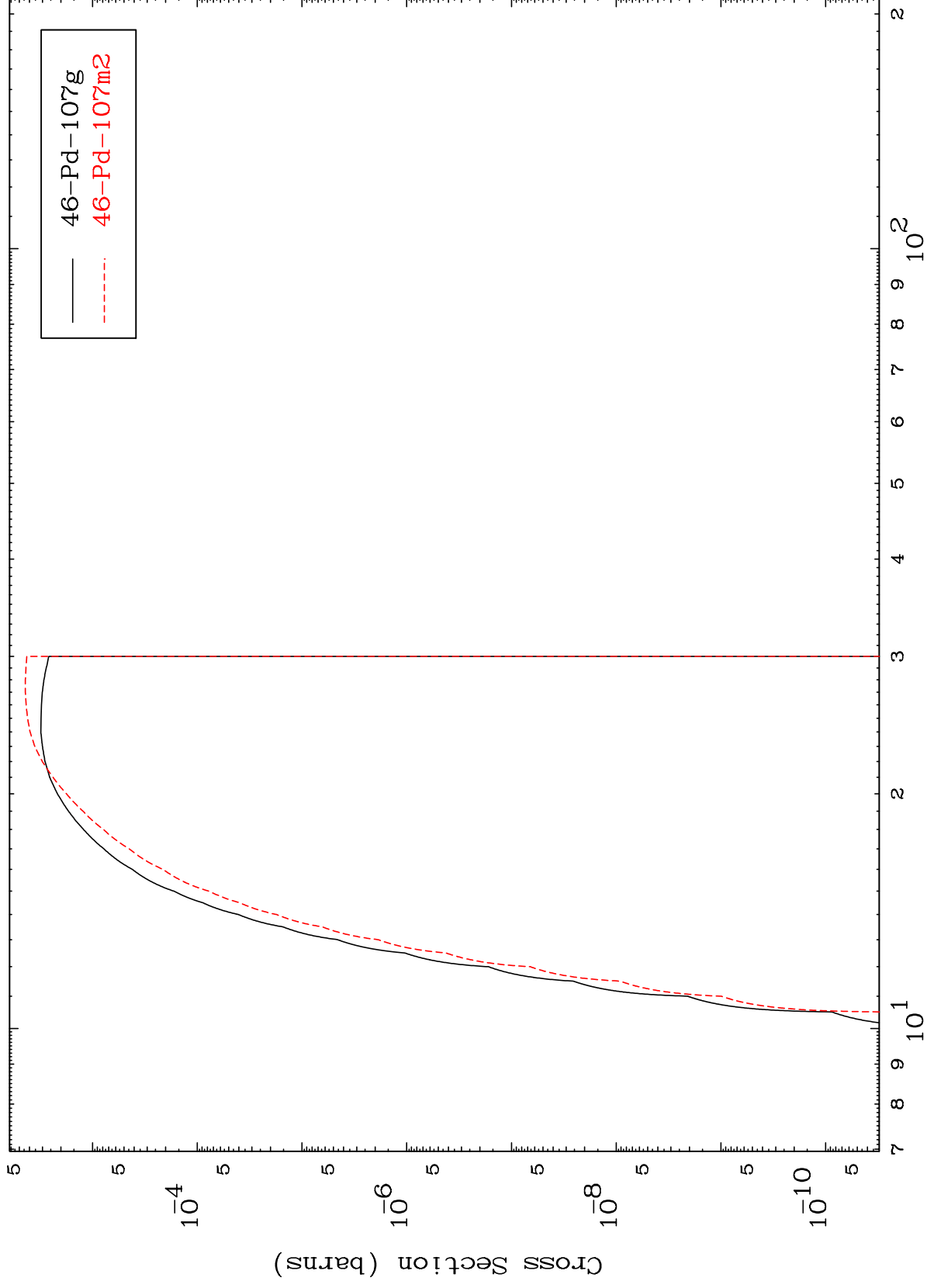
Incident Energy (MeV)

47-Ag-109

MAT 4731

47-Ag-109

(n, t)  
Radionuclide Production Cross Section



141

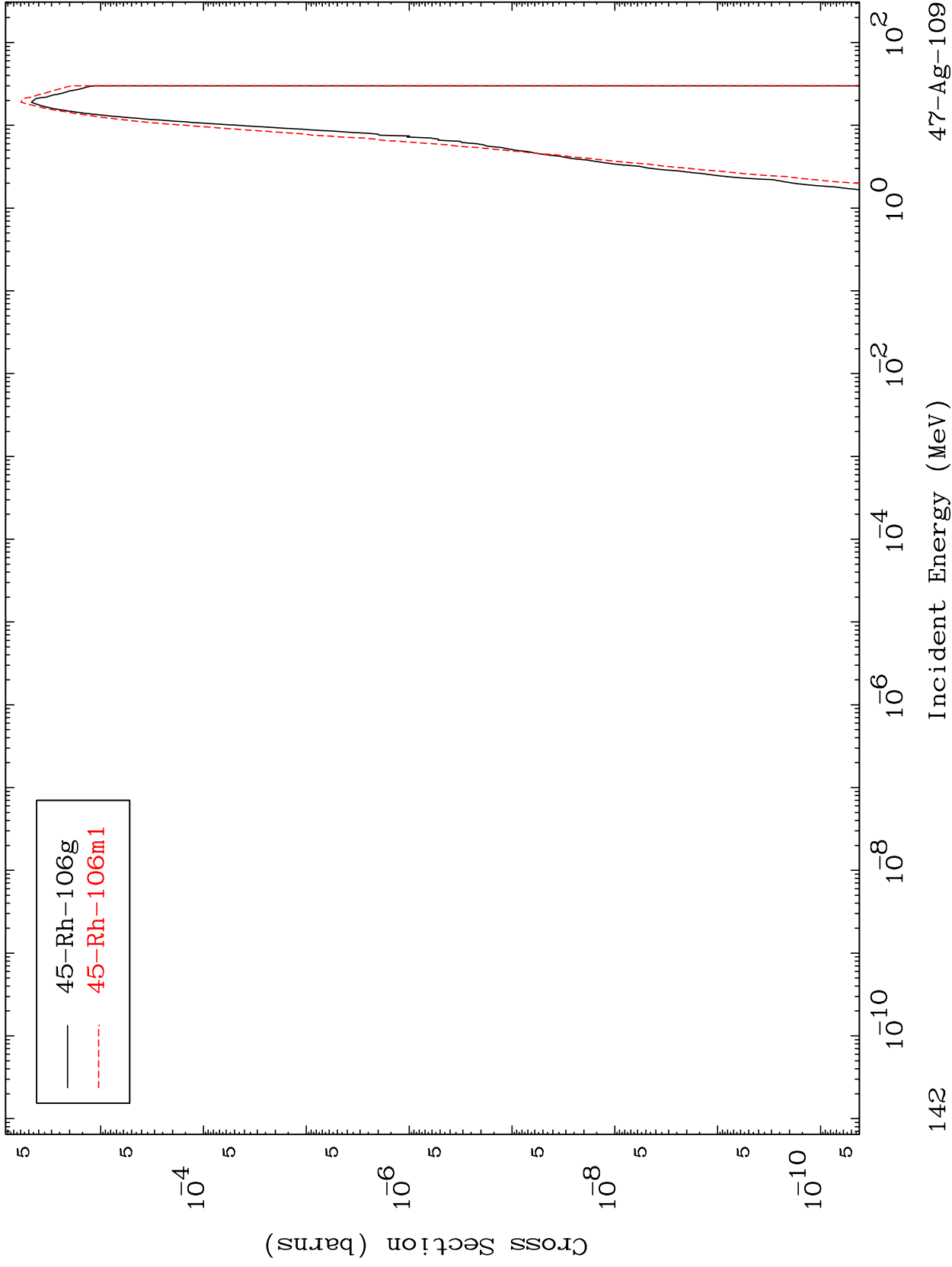
Incident Energy (MeV)

47-Ag-109

MAT 4731

47-Ag-109

(n,  $\alpha$ )  
Radionuclide Production Cross Section

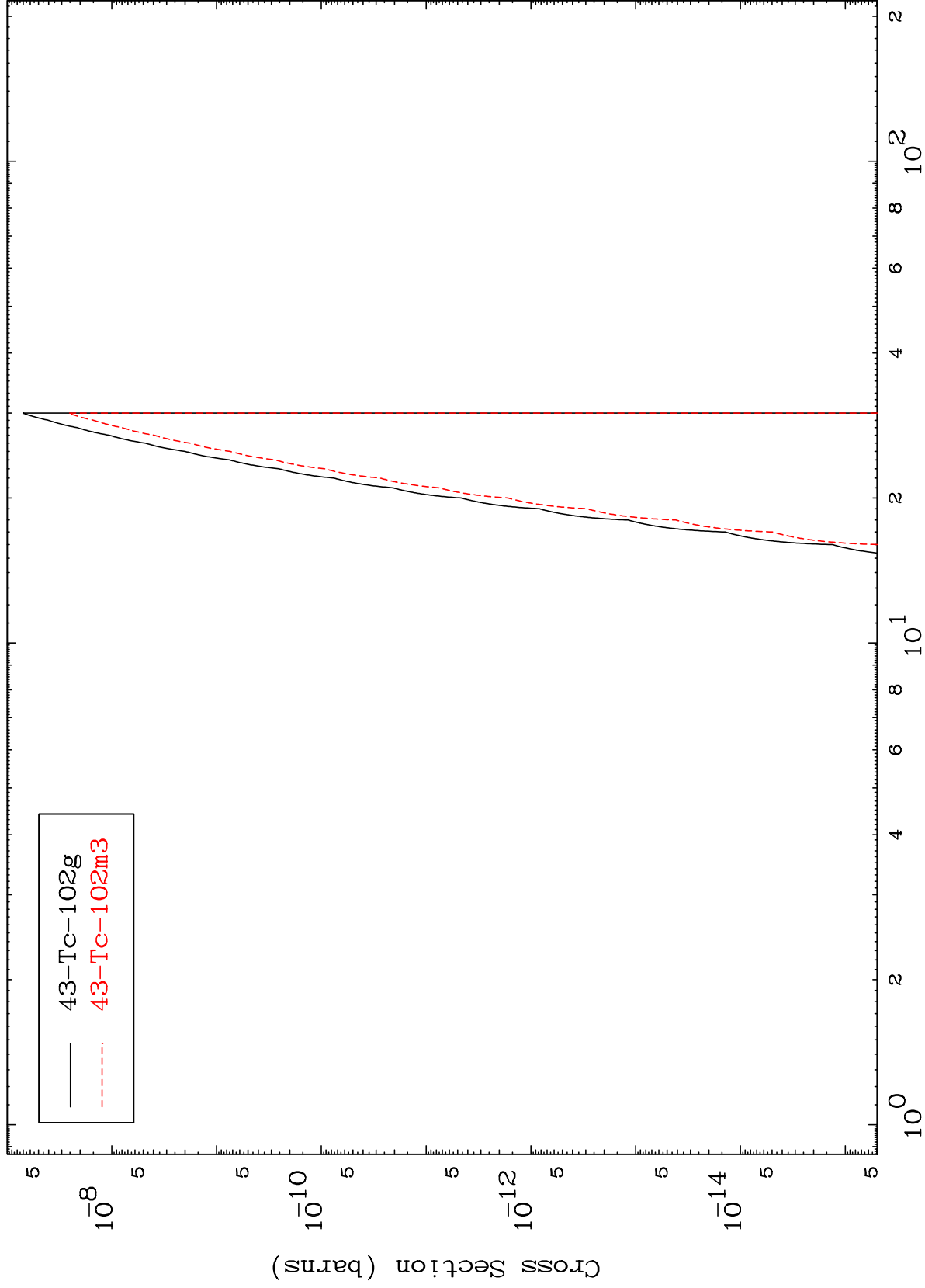


MAT 4731

(n,2α)

47-Ag-109

Radionuclide Production Cross Section



— 43-Tc-102g  
- - - 43-Tc-102m3

Incident Energy (MeV)

47-Ag-109

143

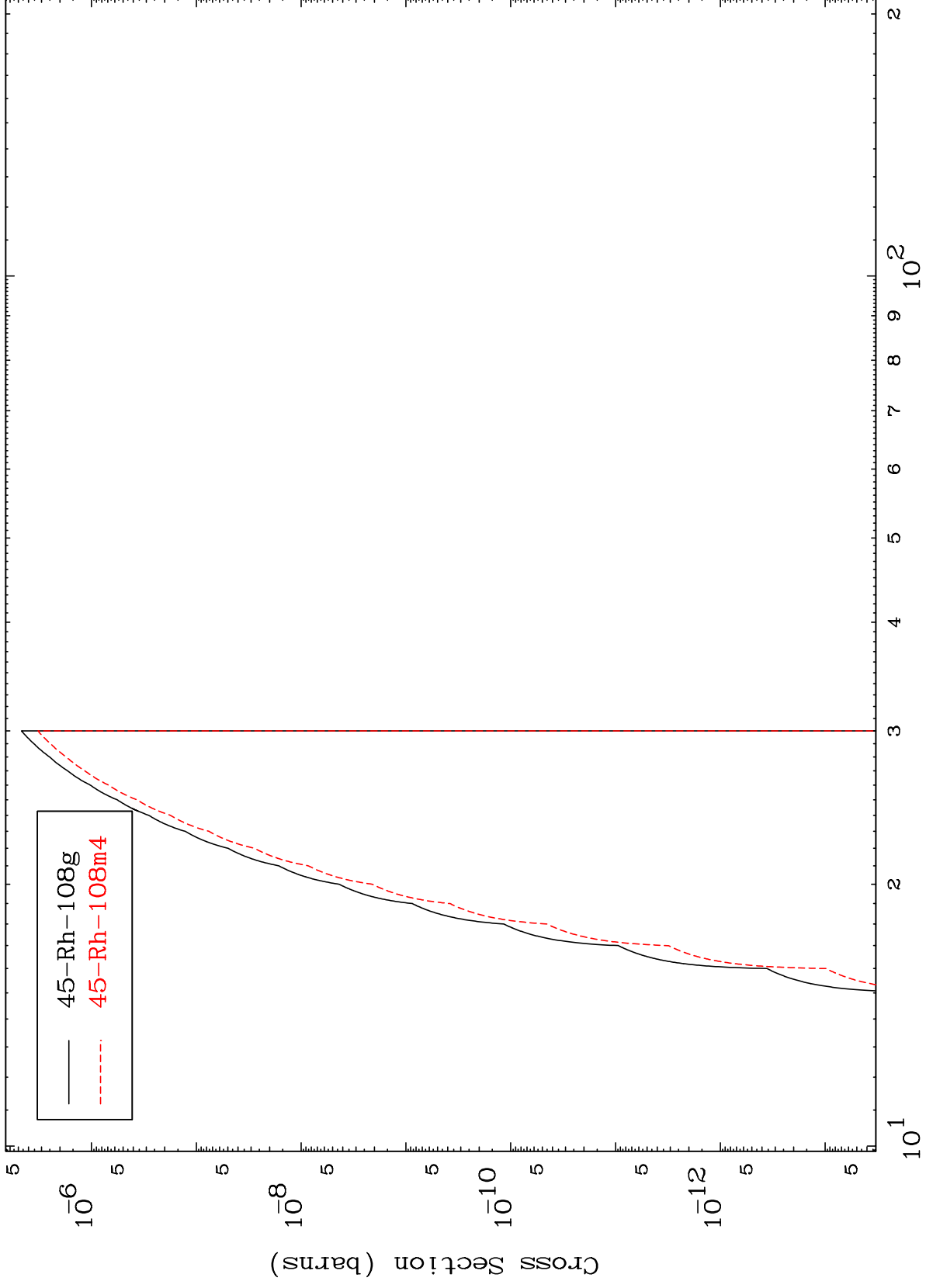


MAT 4731

(n,2p)

47-Ag-109

Radionuclide Production Cross Section



144

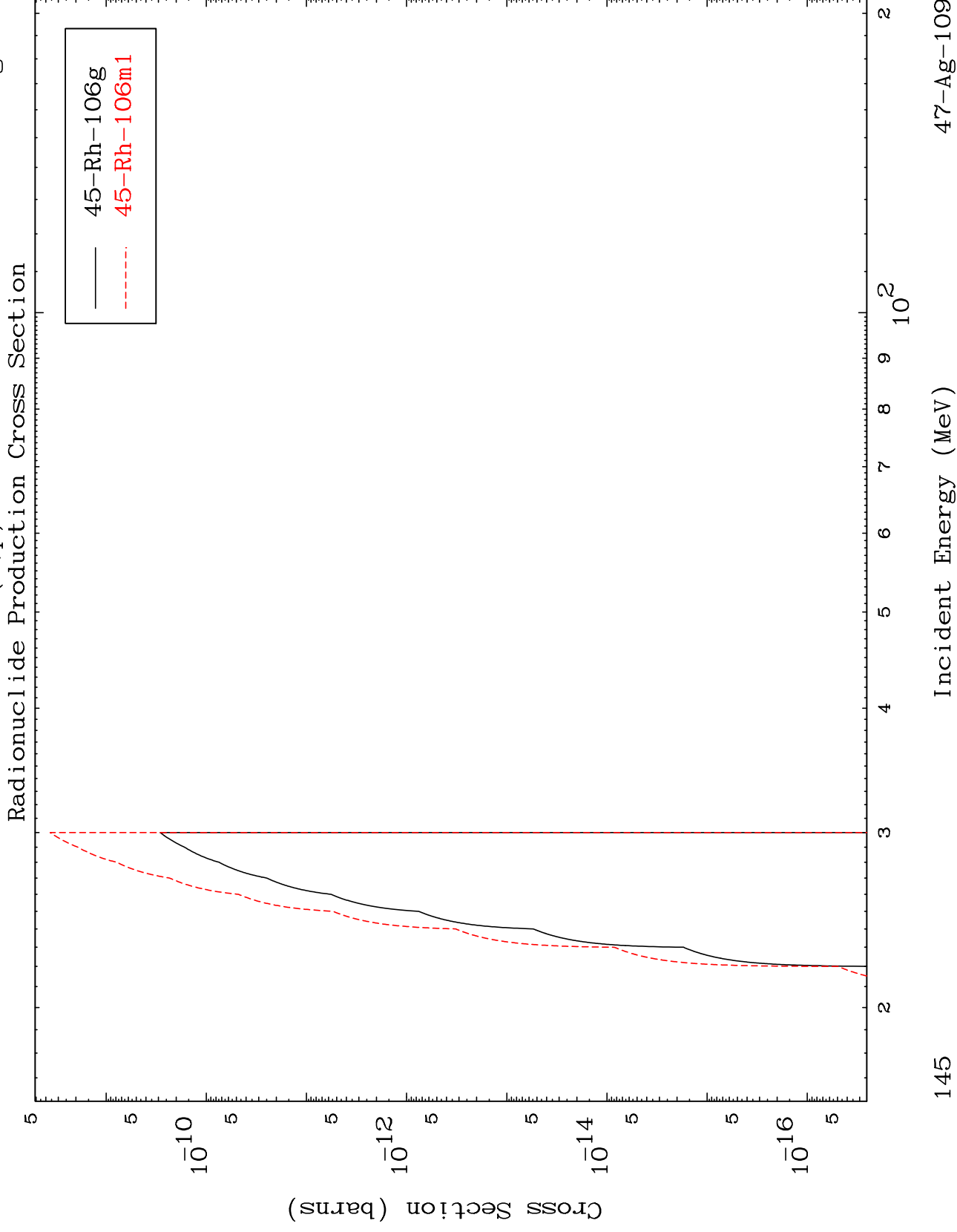
Incident Energy (MeV)

47-Ag-109

MAT 4731

(n,p) t

47-Ag-109



145

47-Ag-109