

Program EVALPLOT  
(Version 2021-1)

by

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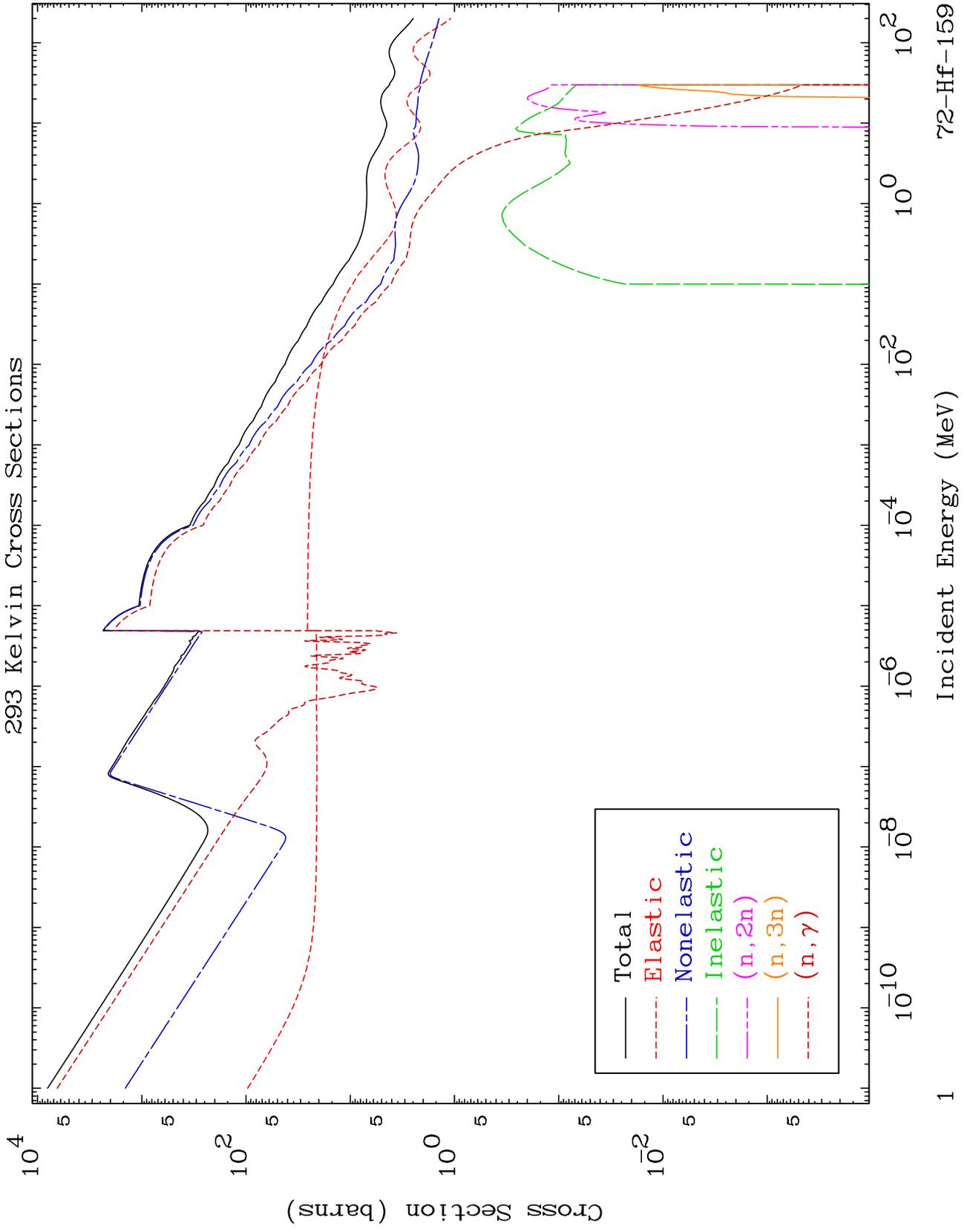
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7180

Neutron Major  
293 Kelvin Cross Sections

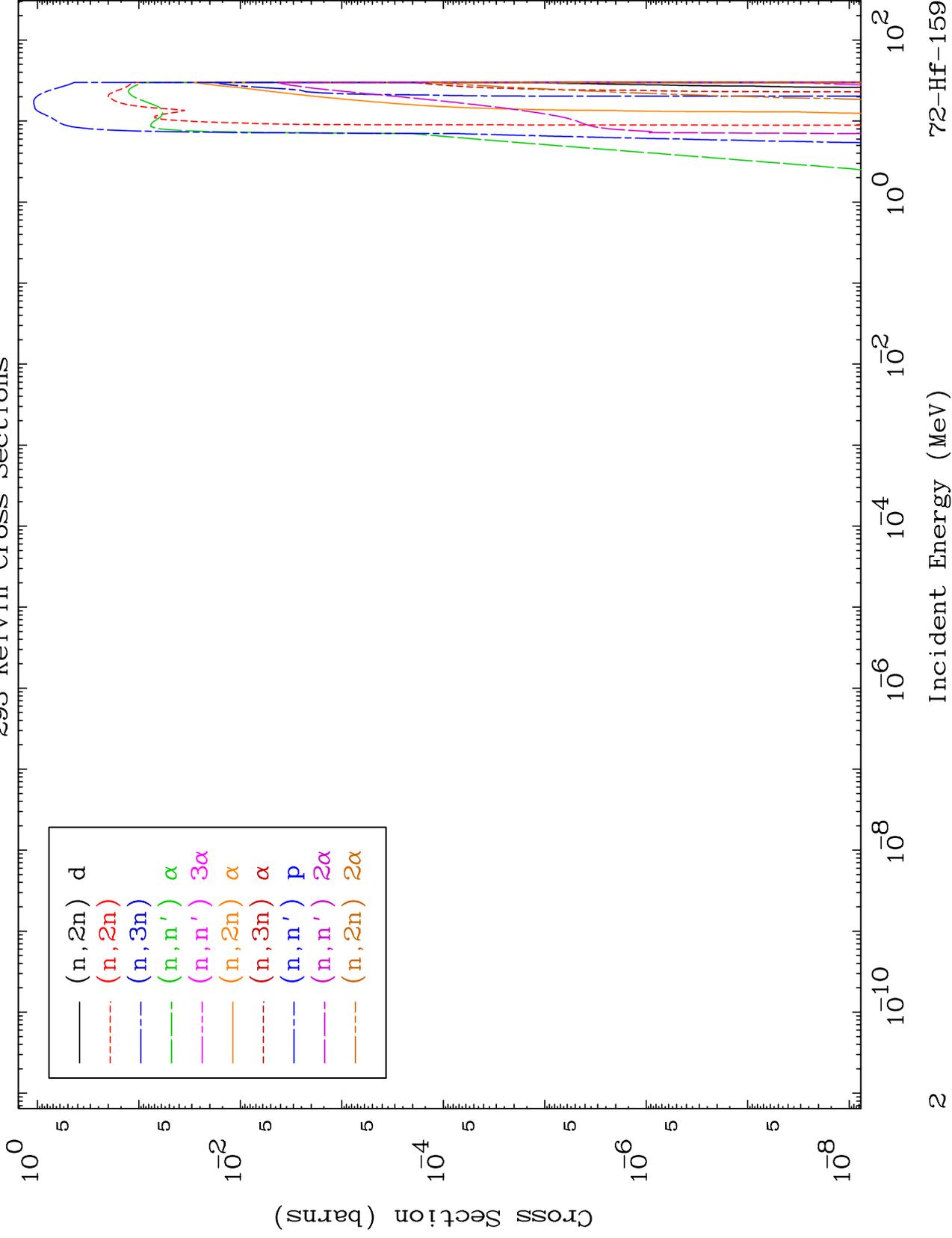
72-Hf-159

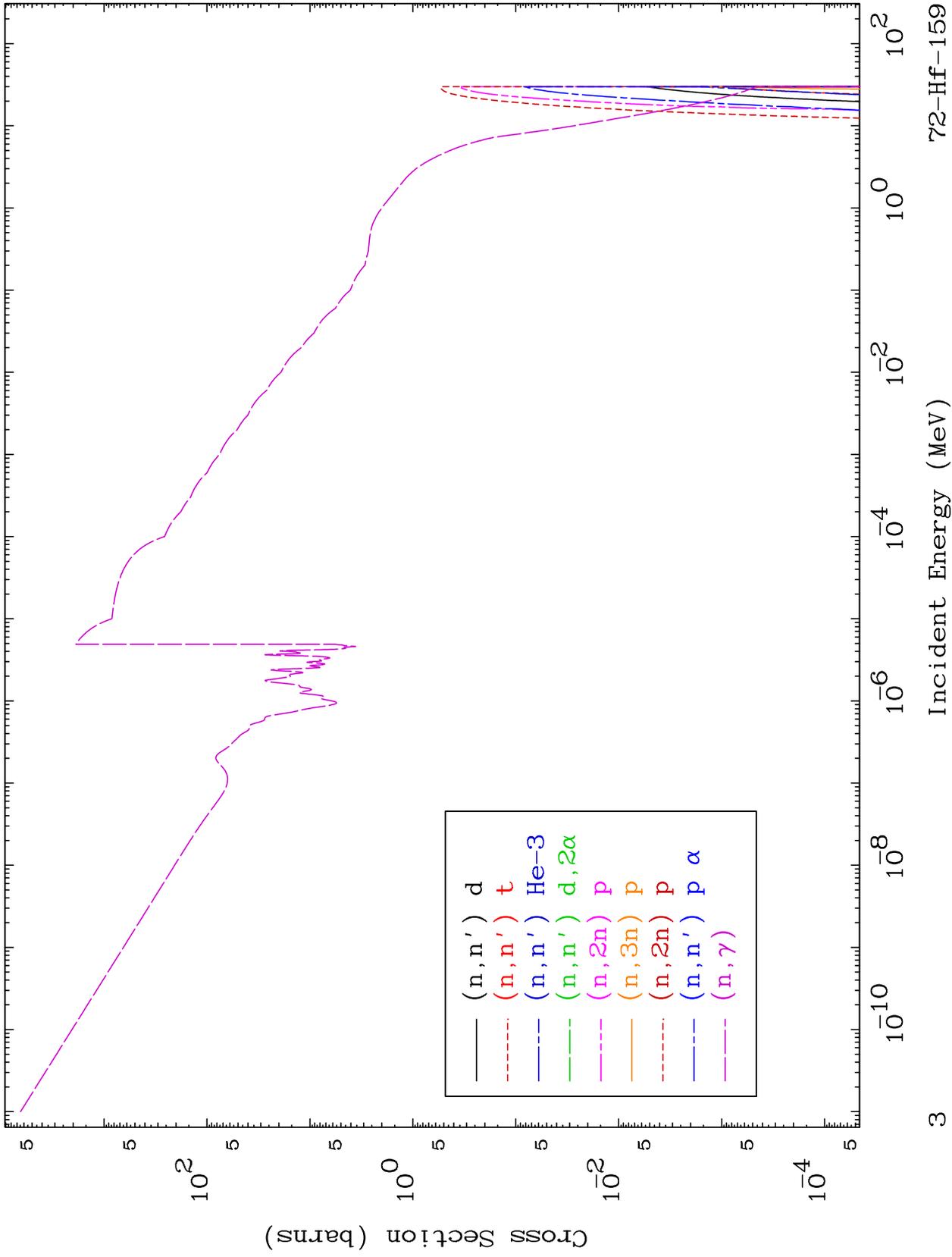


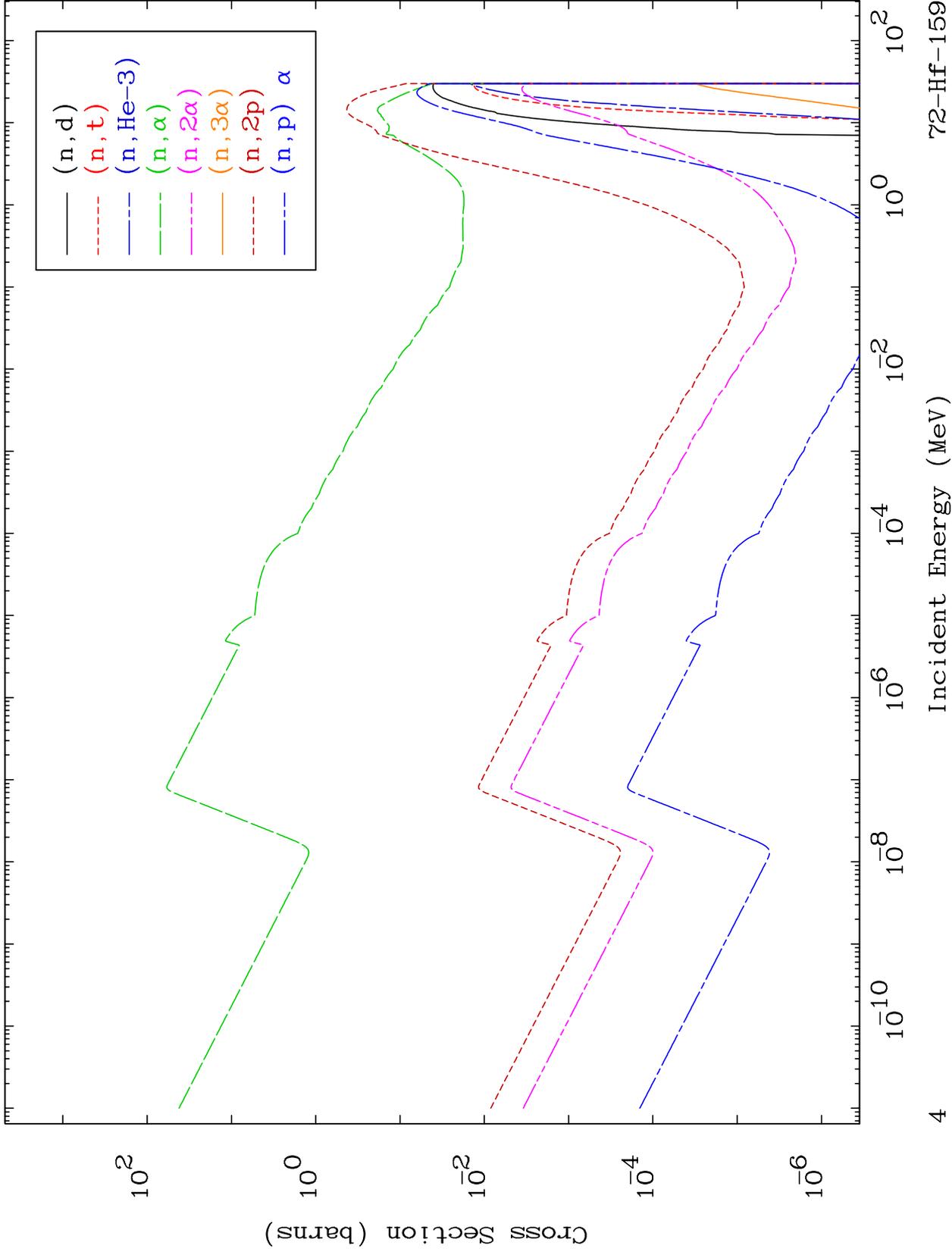
MAT 7180

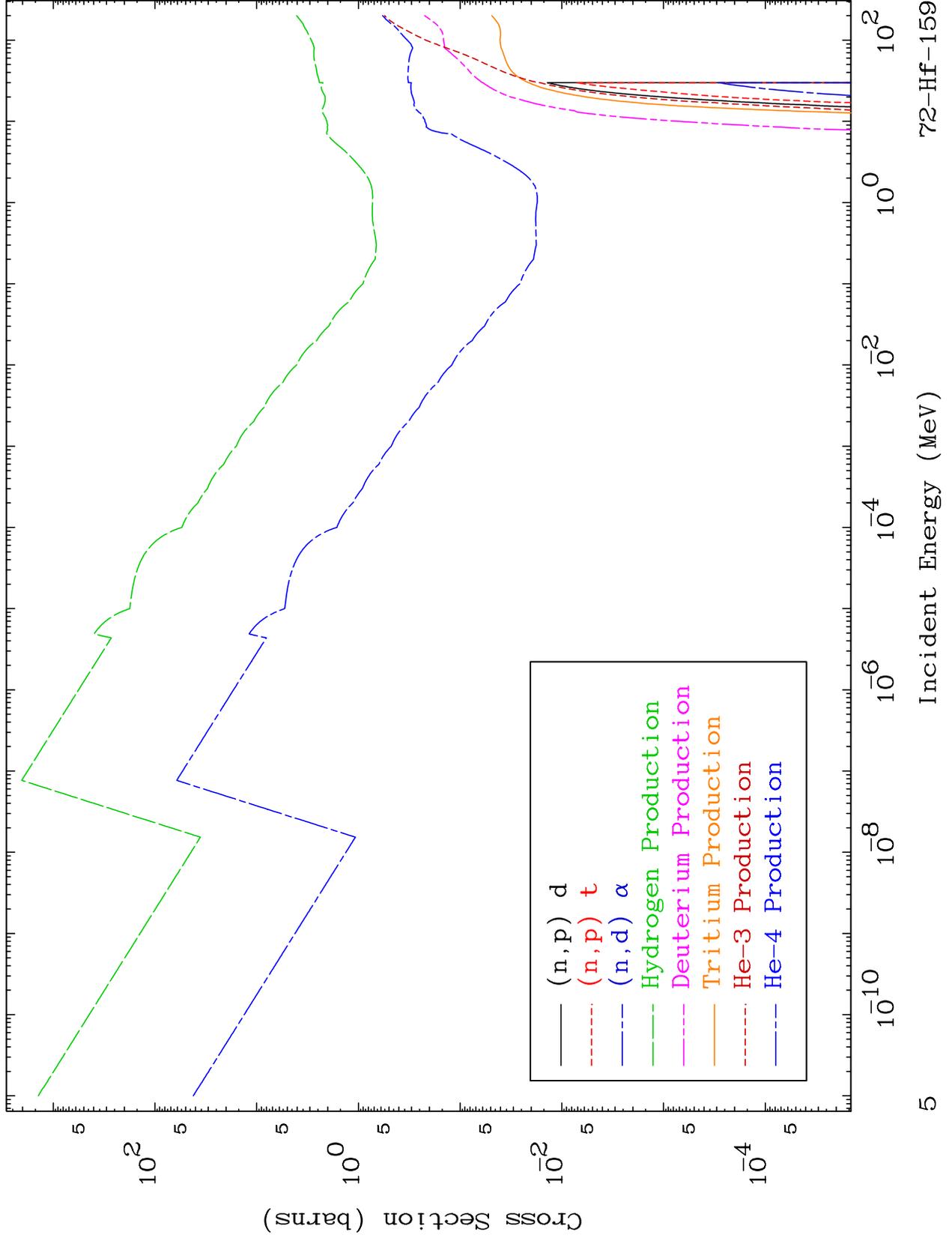
Neutron Absorption  
293 Kelvin Cross Sections

72-Hf-159





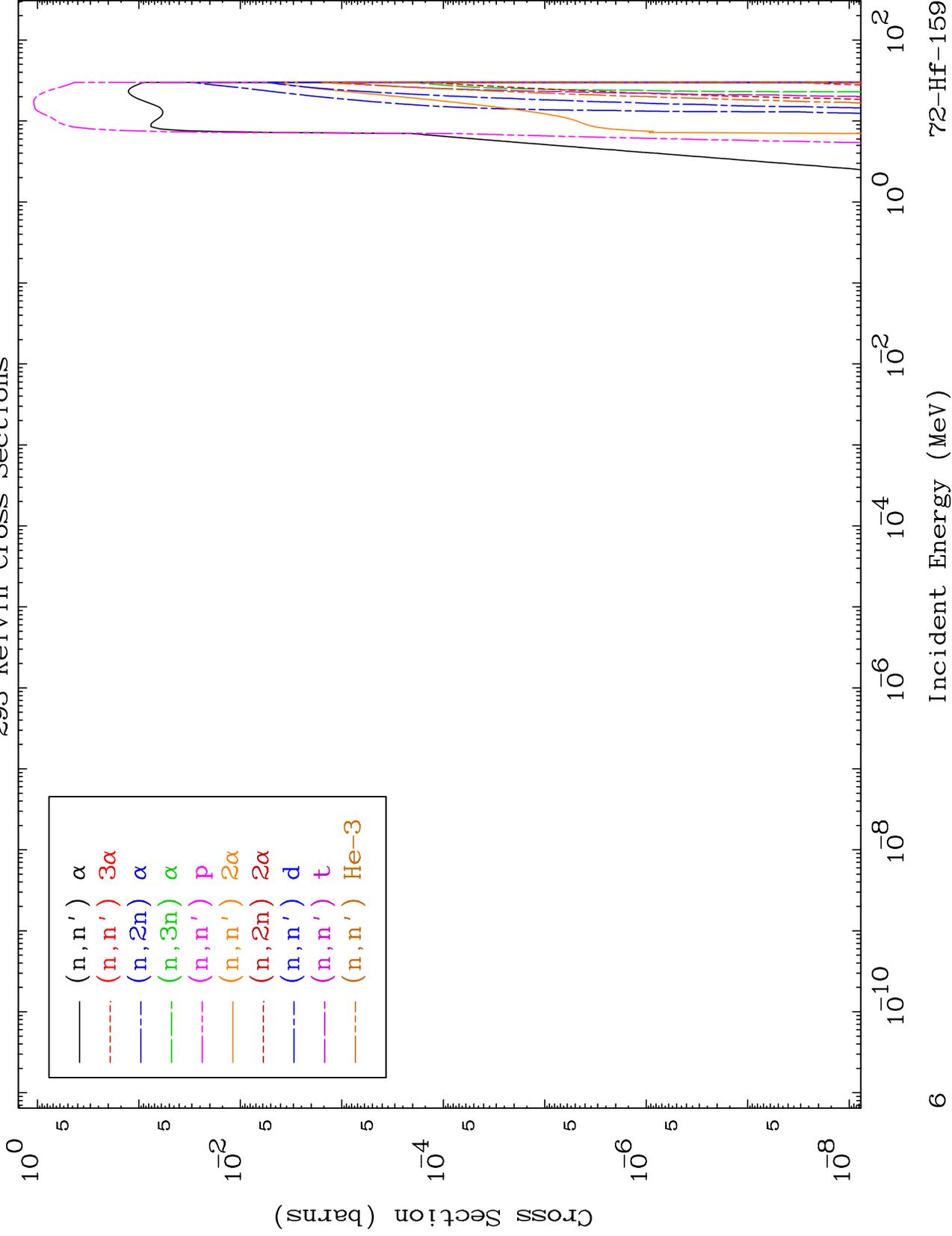


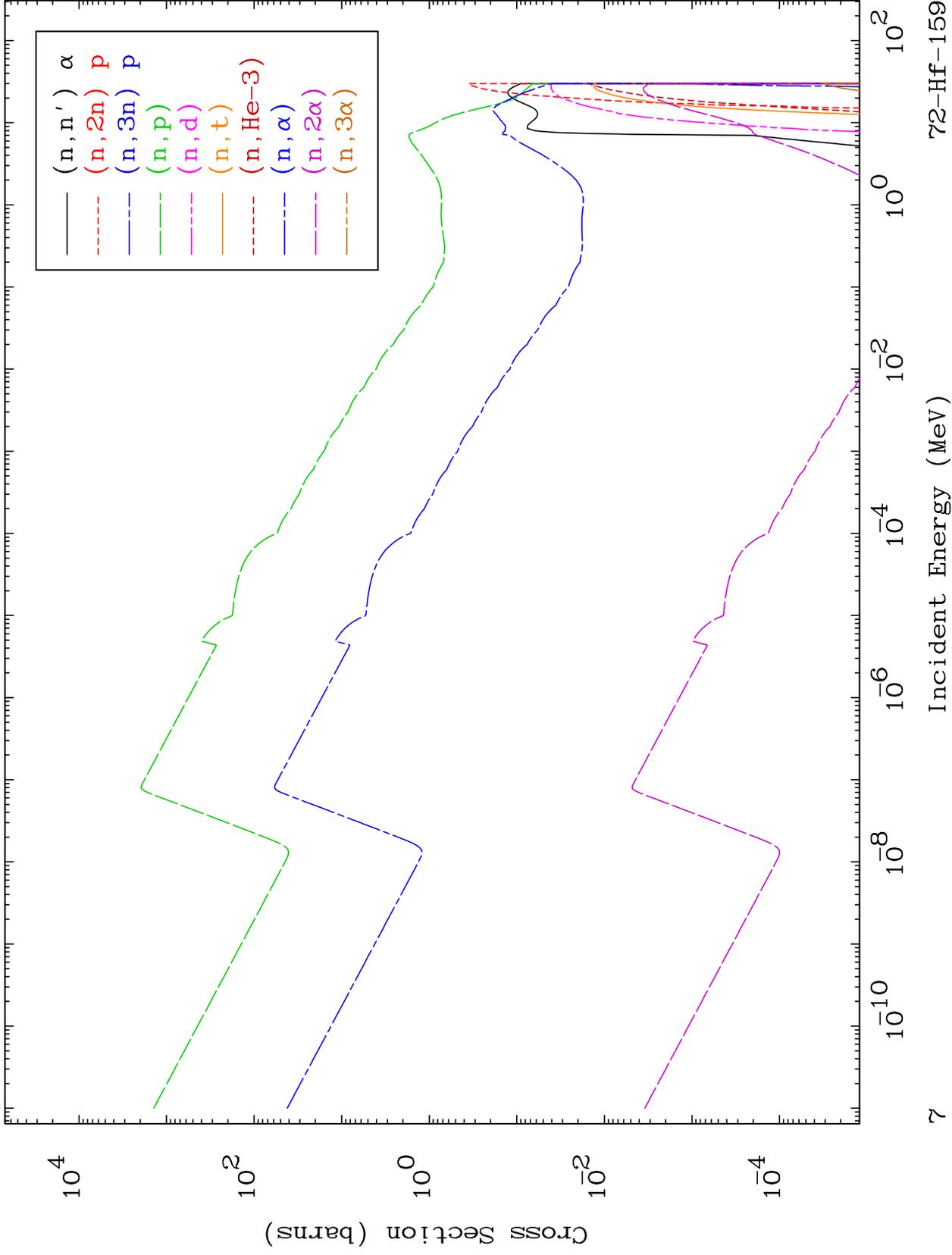


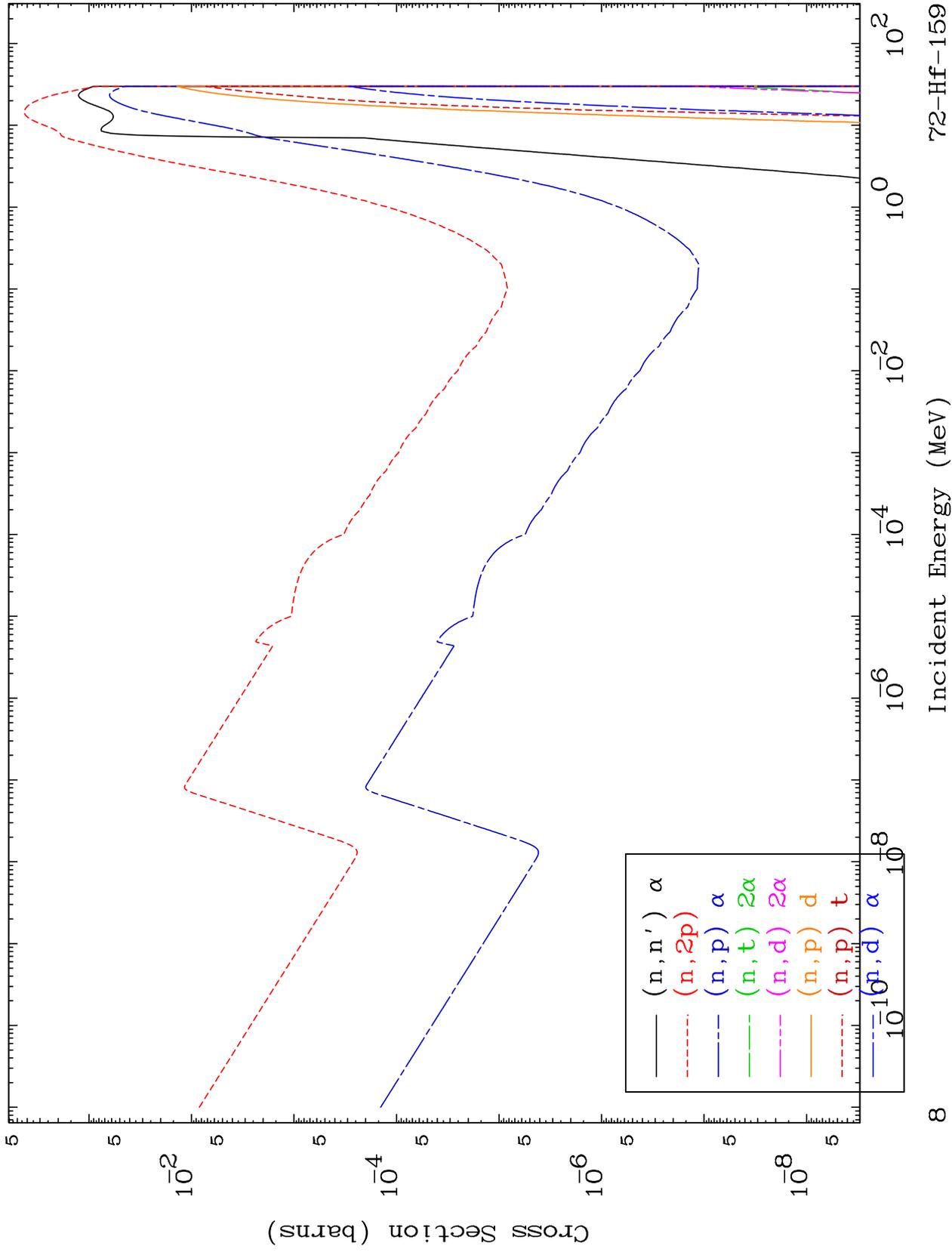
MAT 7180

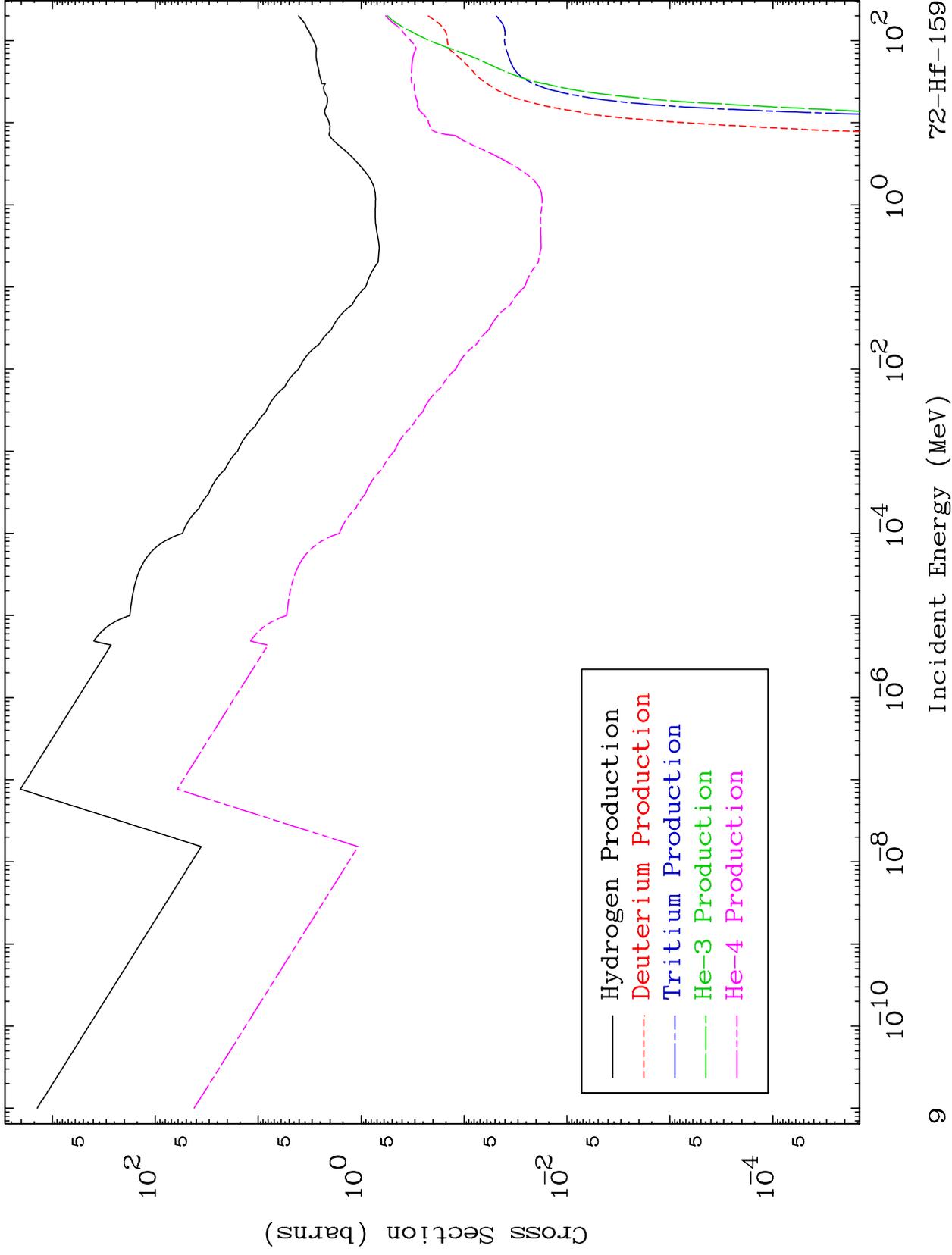
Charged Particle  
293 Kelvin Cross Sections

72-Hf-159







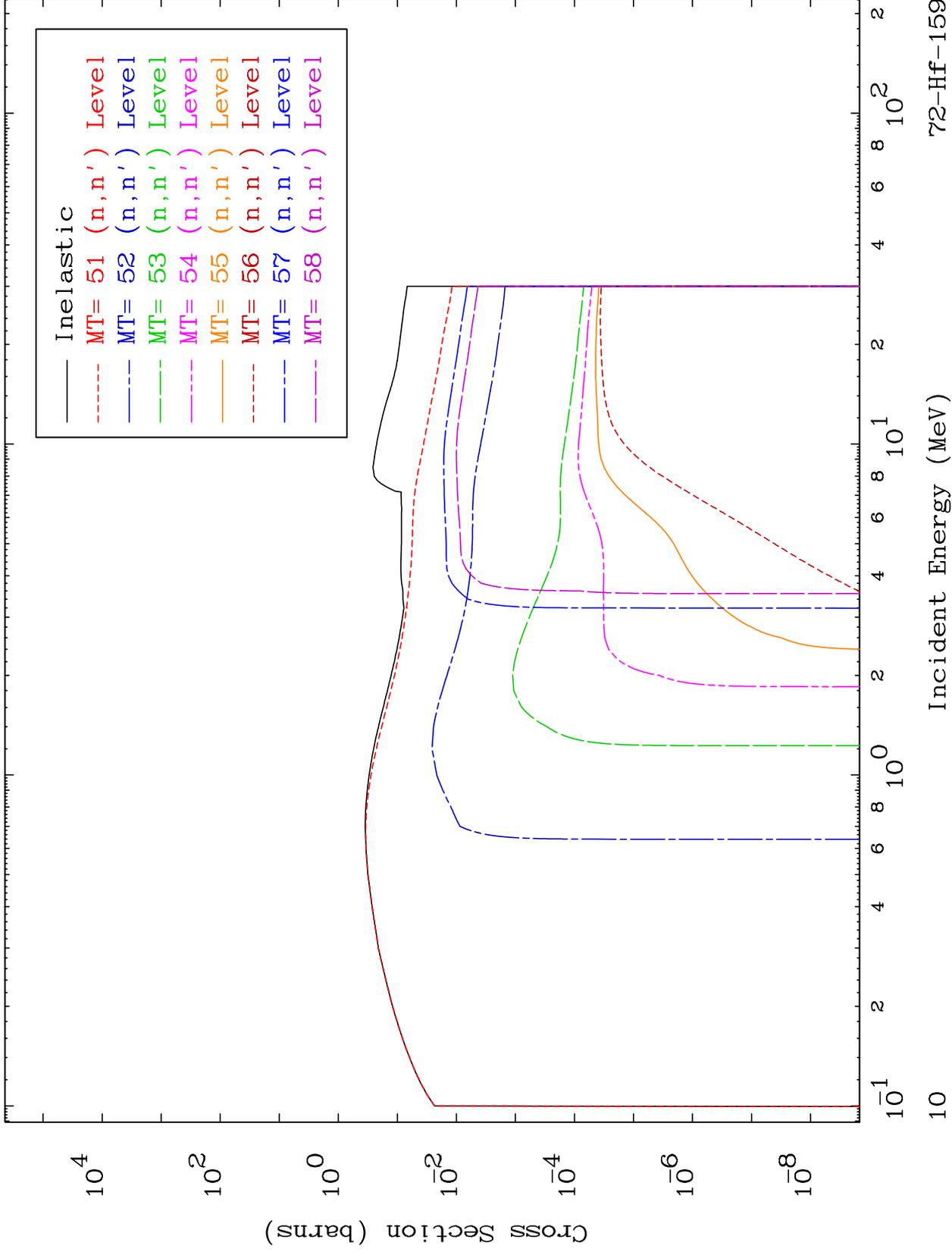


MAT 7180

(n,n') Levels

293 Kelvin Cross Sections

72-Hf-159

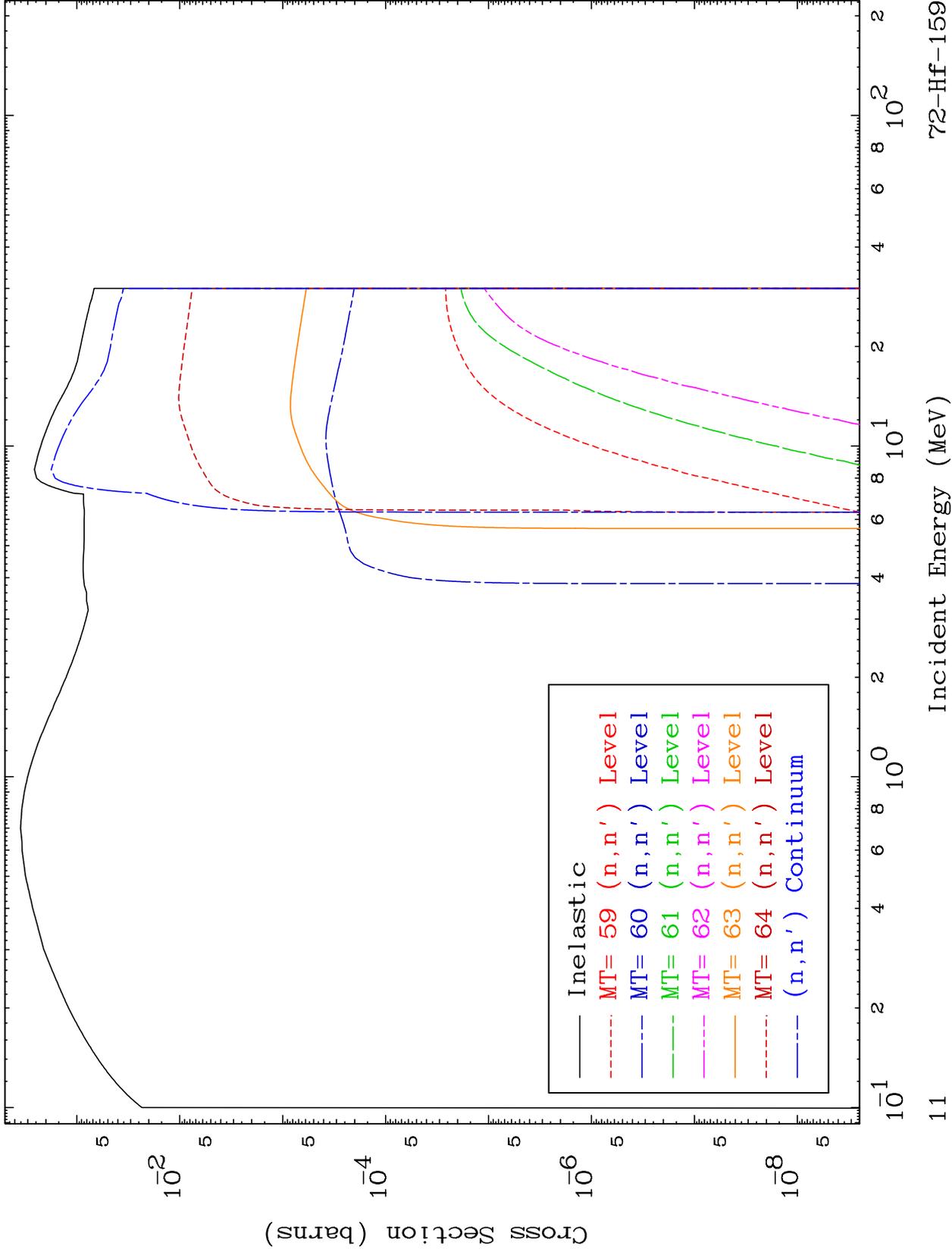


72-Hf-159

MAT 7180

(n,n') Levels  
293 Kelvin Cross Sections

72-Hf-159



11

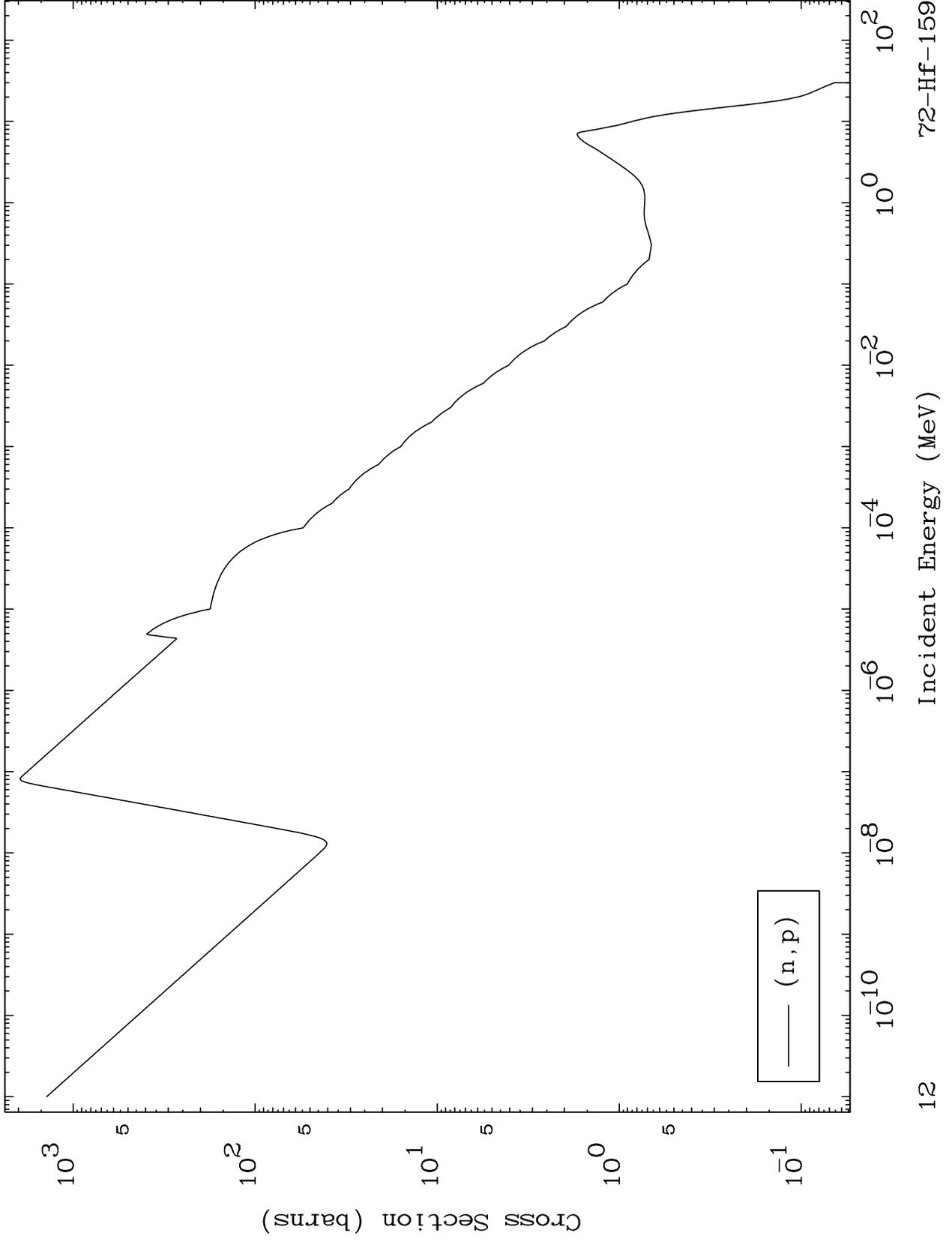
Incident Energy (MeV)

72-Hf-159

MAT 7180

(n,p) Levels  
293 Kelvin Cross Sections

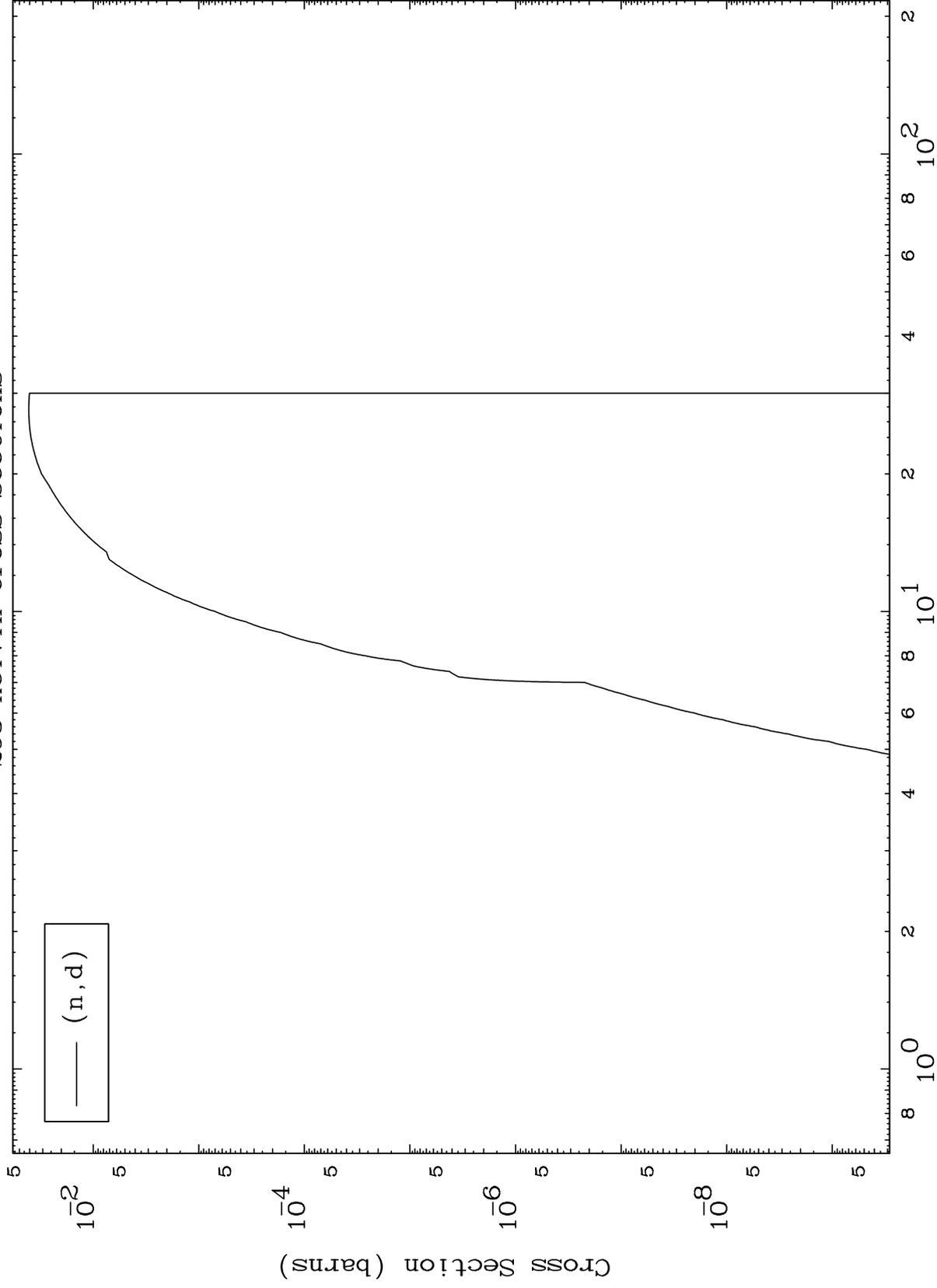
72-Hf-159



MAT 7180

(n,d) Levels  
293 Kelvin Cross Sections

72-Hf-159



13

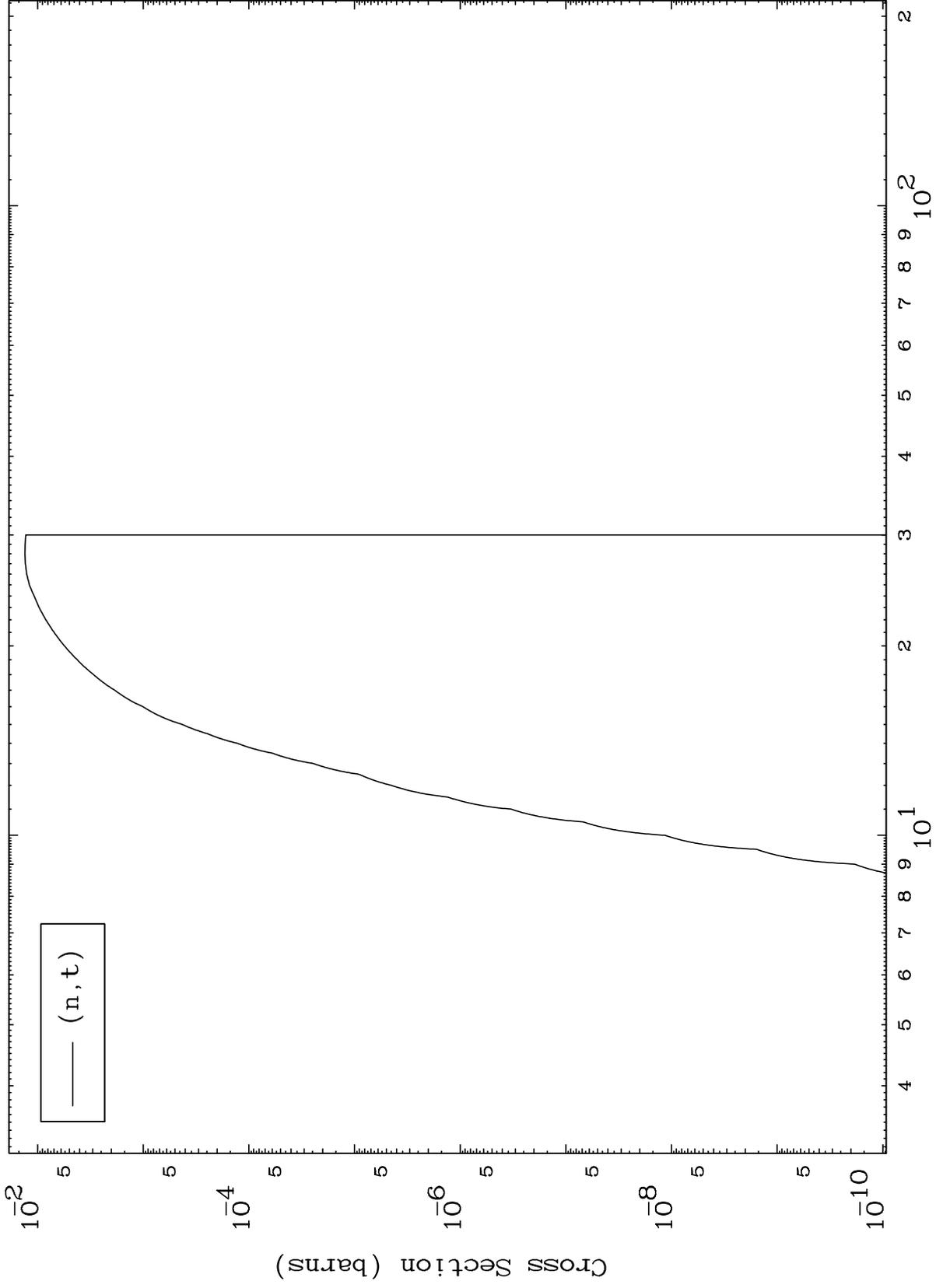
Incident Energy (MeV)

72-Hf-159

MAT 7180

(n,t) Levels  
293 Kelvin Cross Sections

72-Hf-159



14

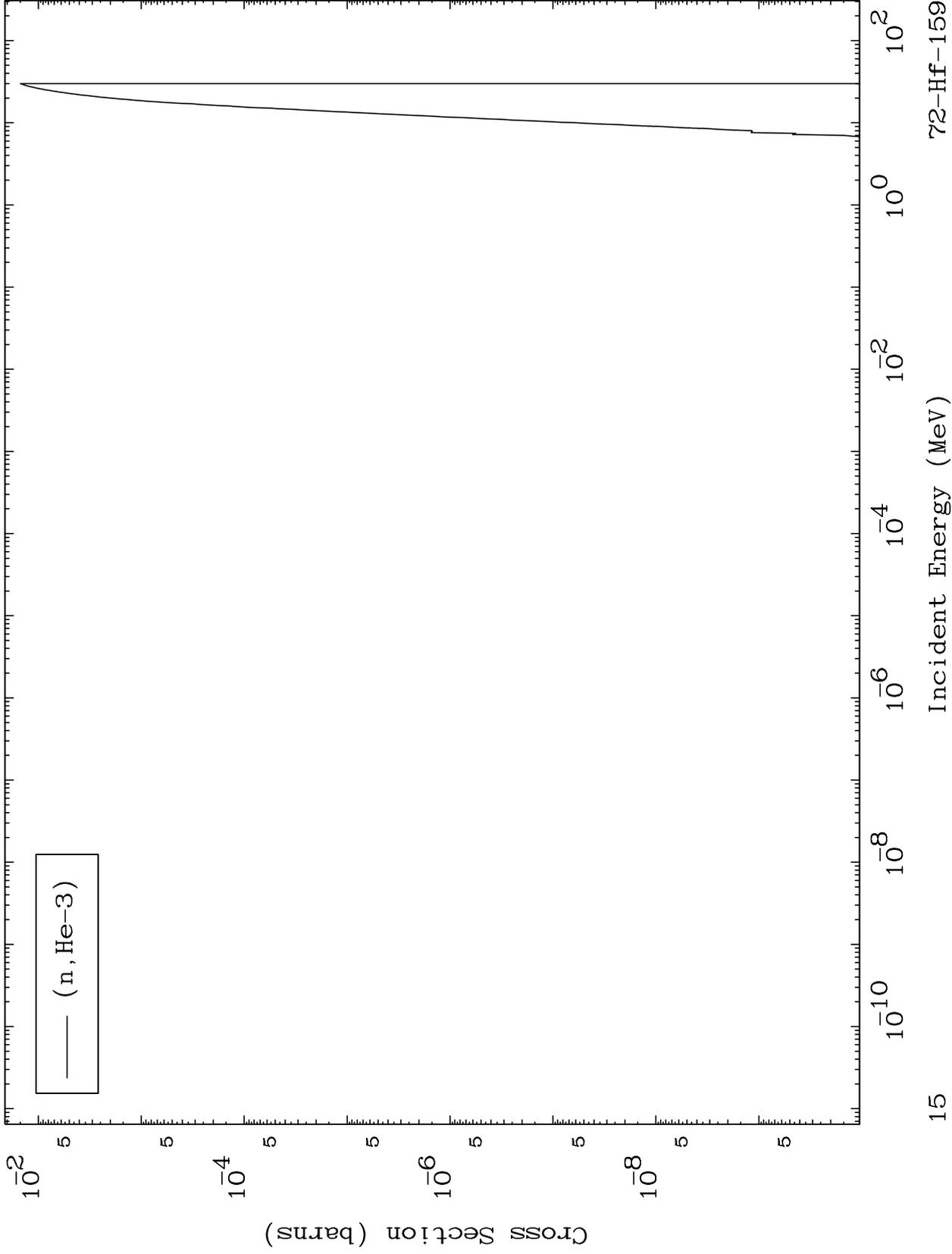
Incident Energy (MeV)

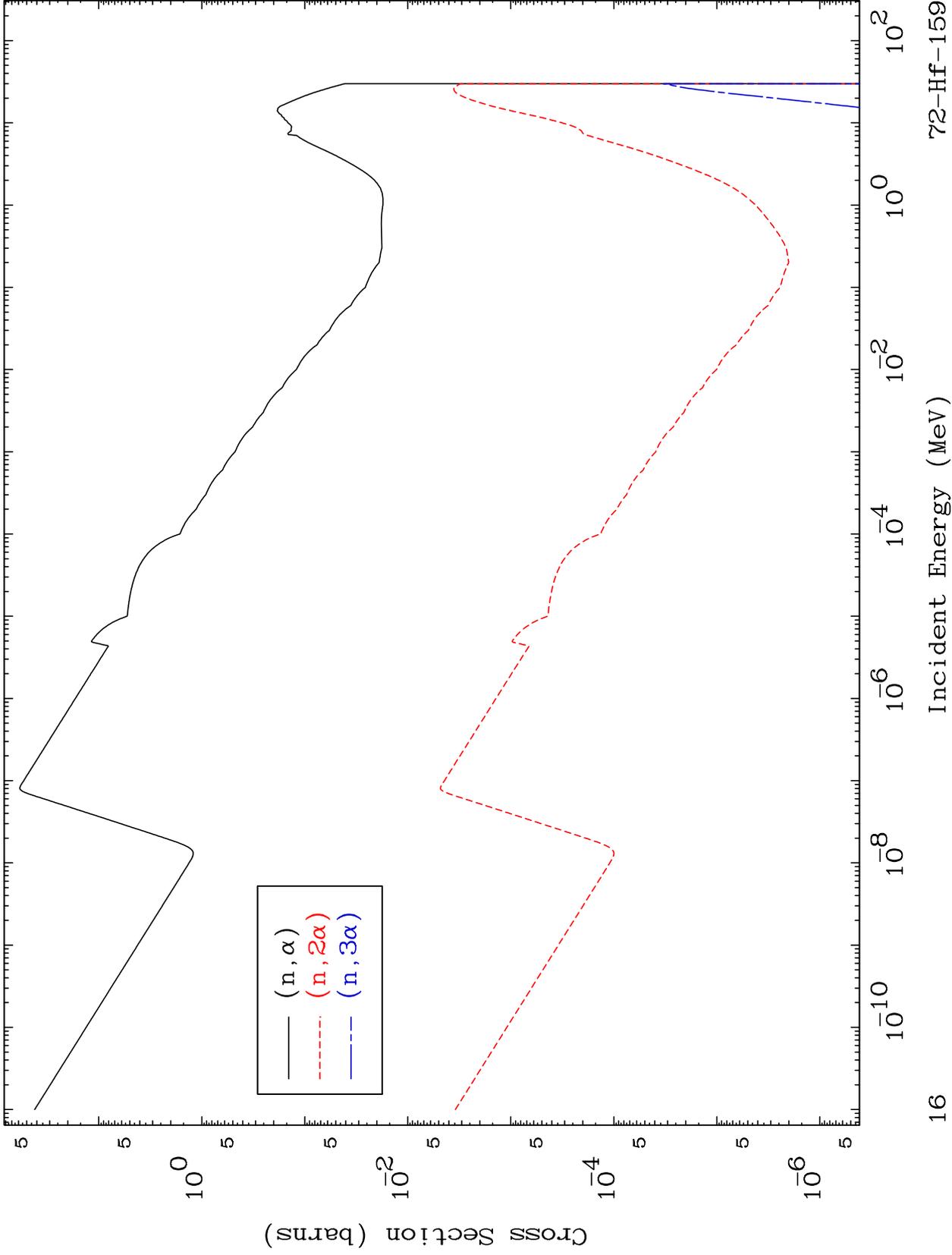
72-Hf-159

MAT 7180

(n,He3) Levels  
293 Kelvin Cross Sections

72-Hf-159

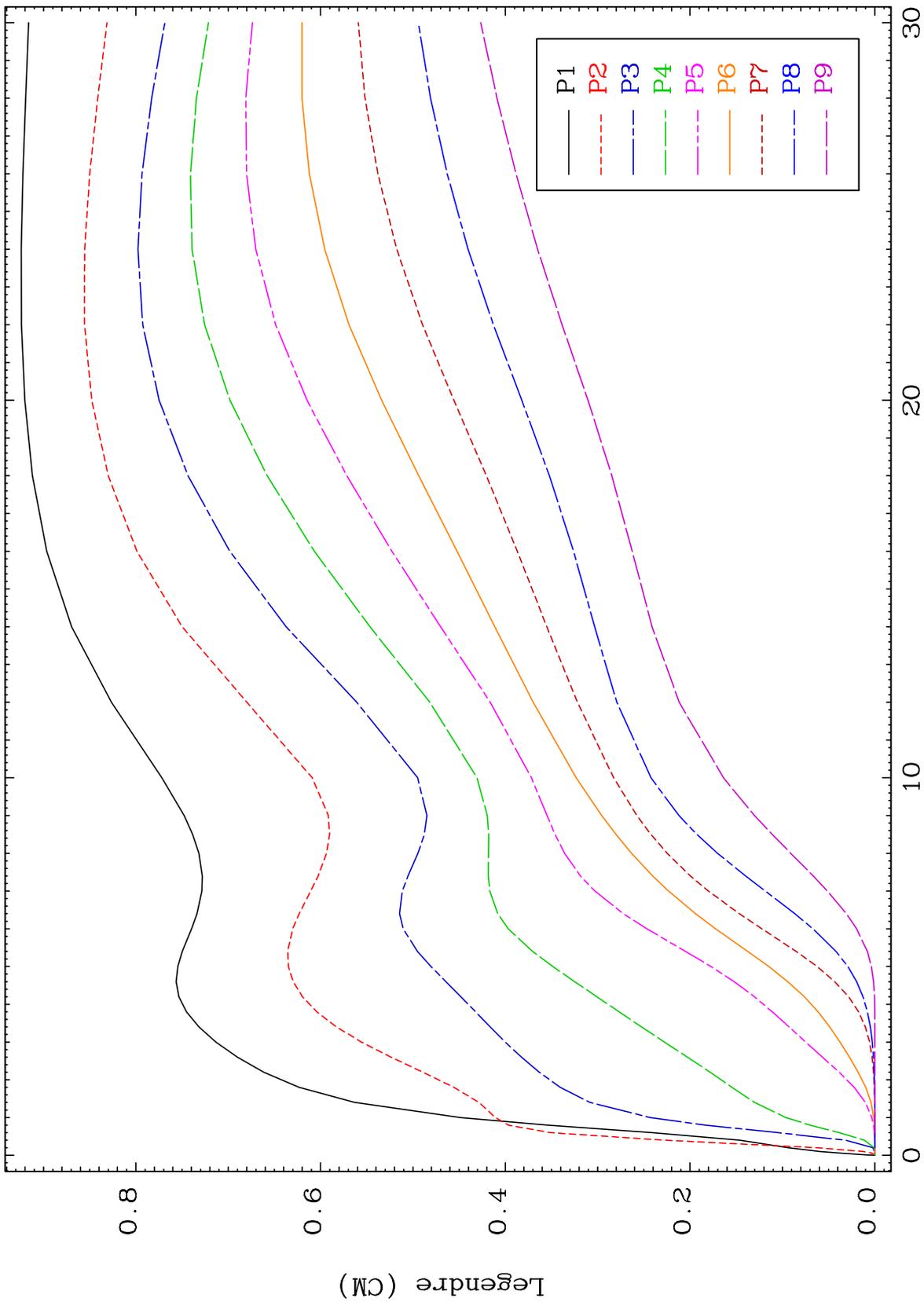




MAT 7180

Elastic Legendre Coefficients

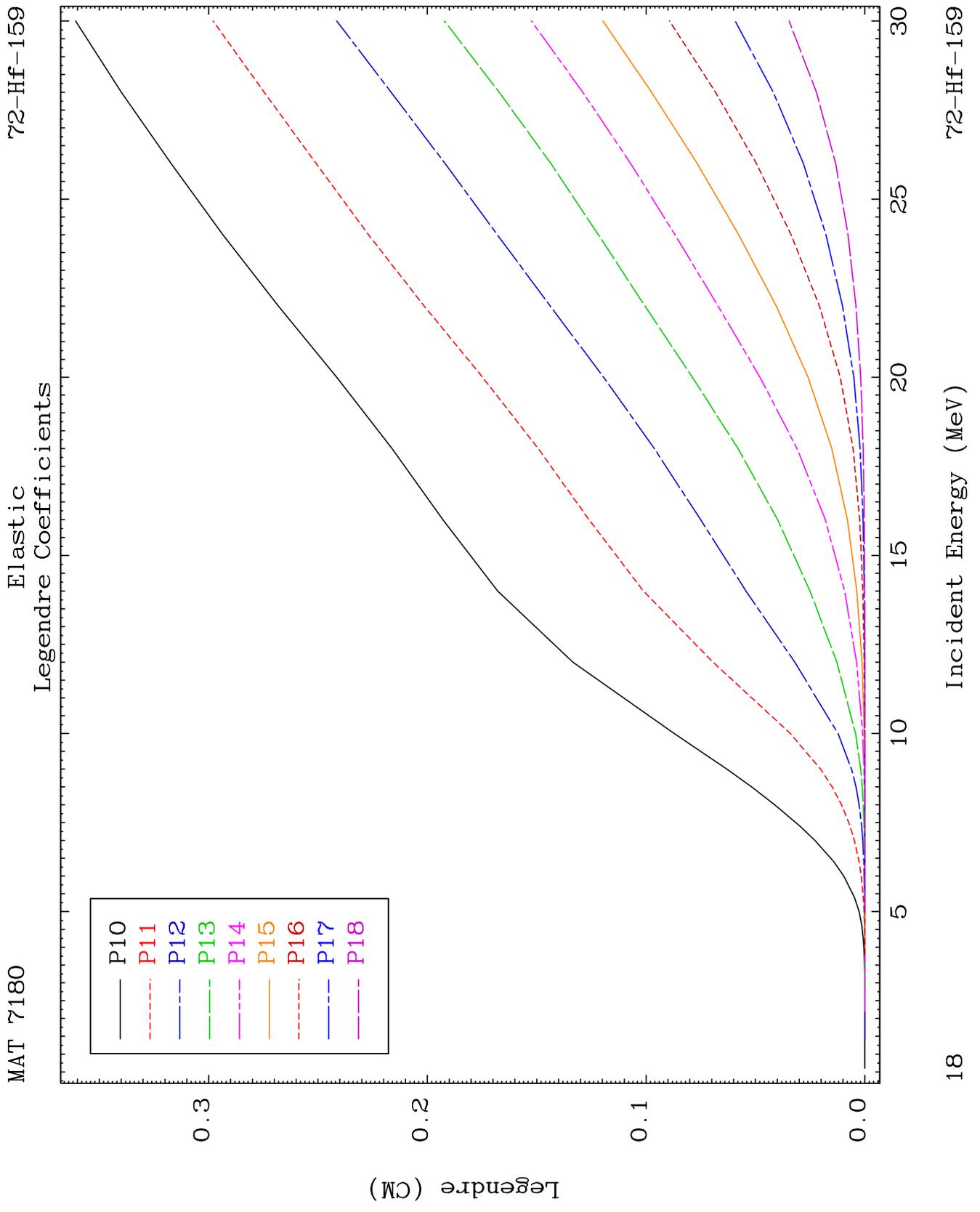
72-Hf-159



17

Incident Energy (MeV)

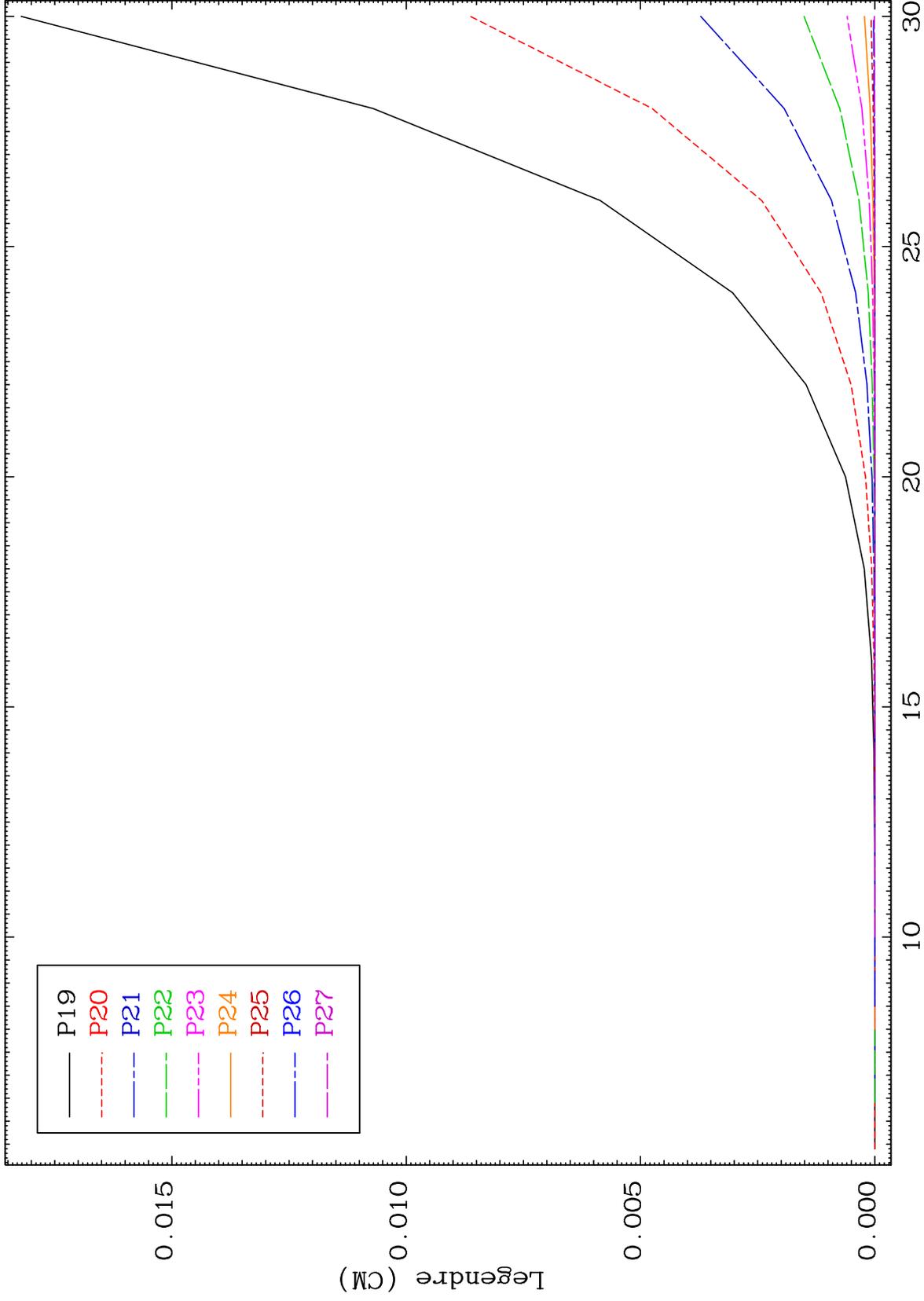
72-Hf-159



MAT 7180

Elastic  
Legendre Coefficients

72-Hf-159



19

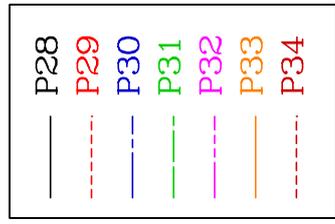
Incident Energy (MeV)

72-Hf-159

MAT 7180

Elastic  
Legendre Coefficients

72-Hf-159



$\times 10^{-6}$

Legendre (CM)

2

1

0

15

20

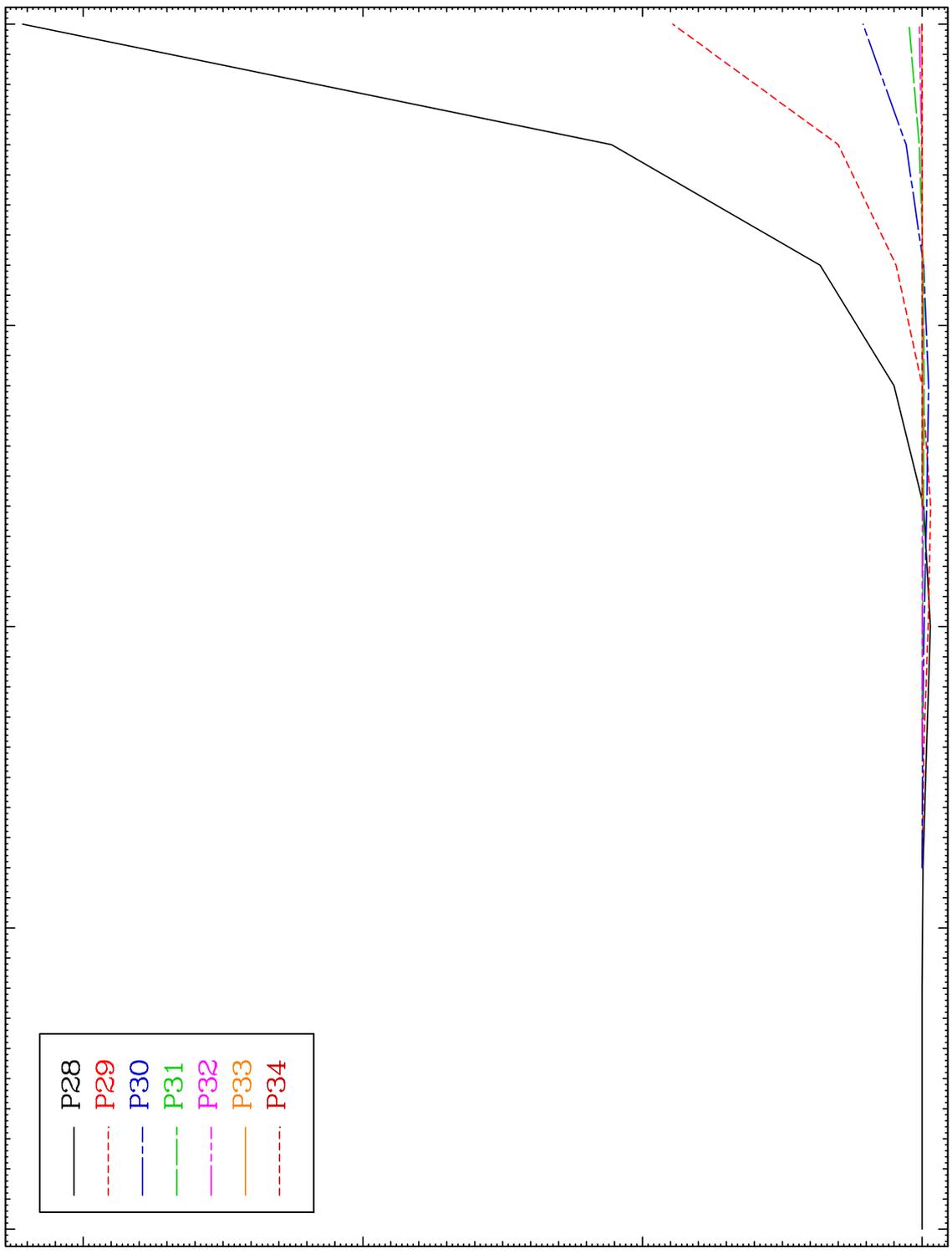
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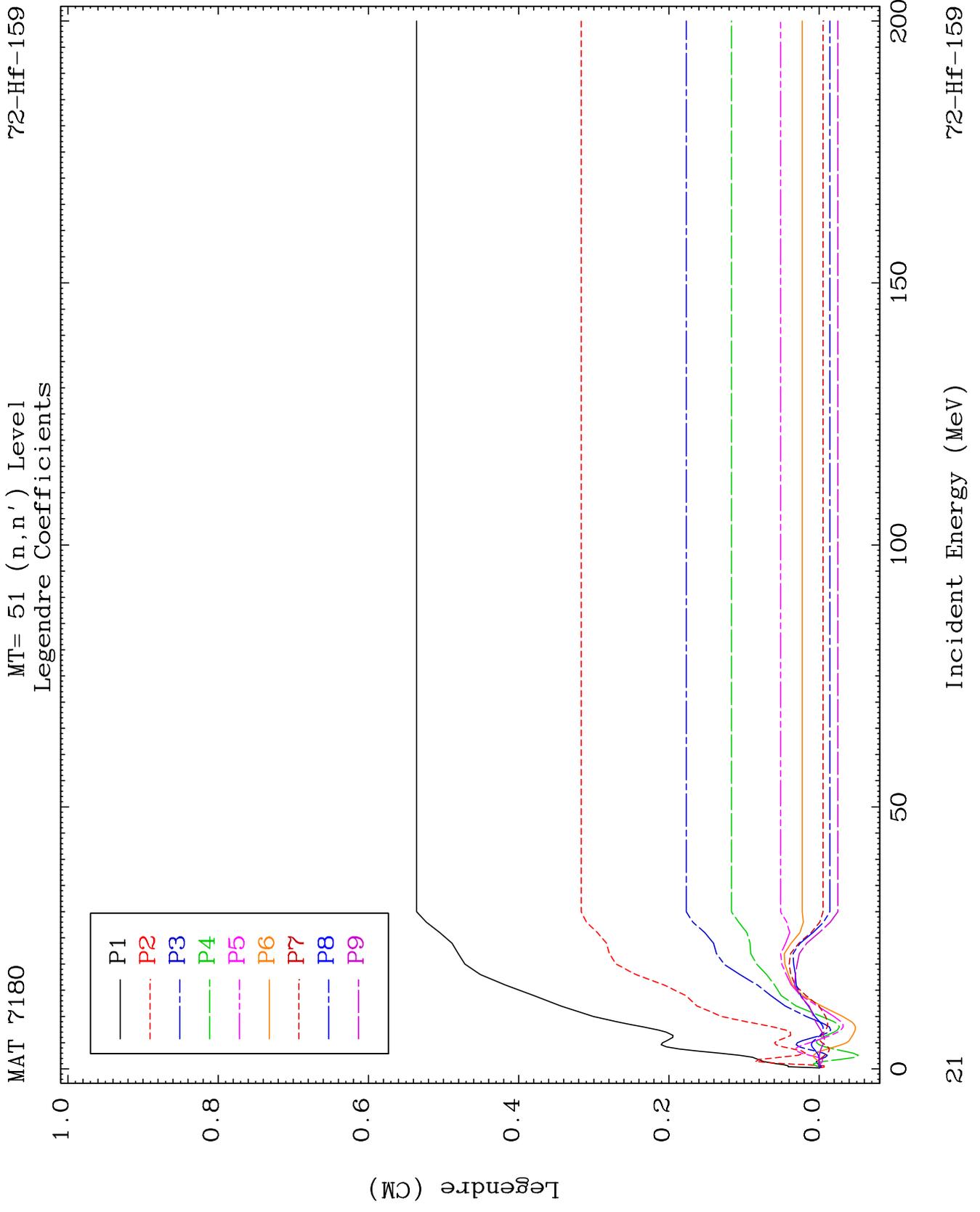
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20

Incident Energy (MeV)

72-Hf-159

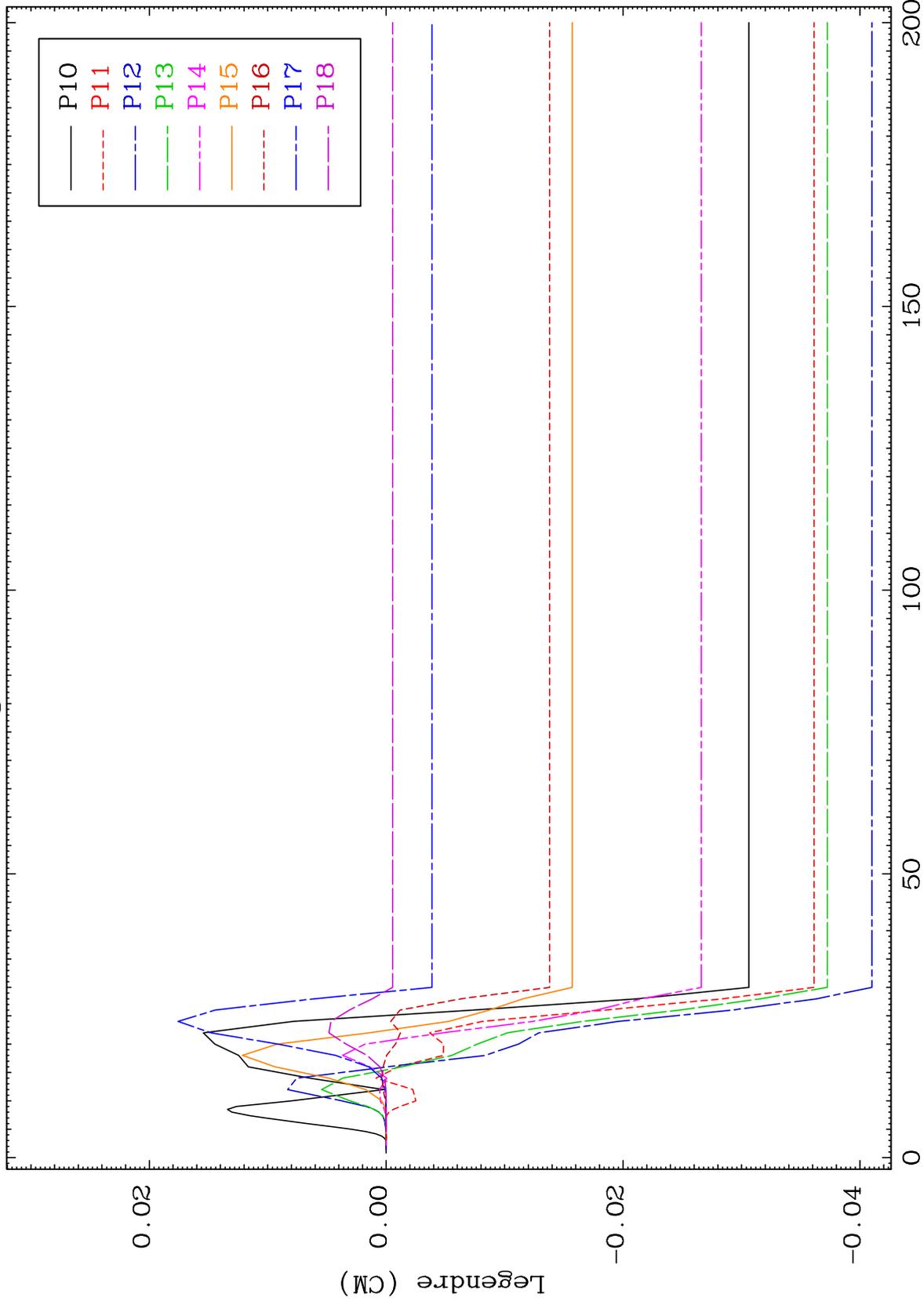




MAT 7180

MT= 51 (n,n') Level  
Legendre Coefficients

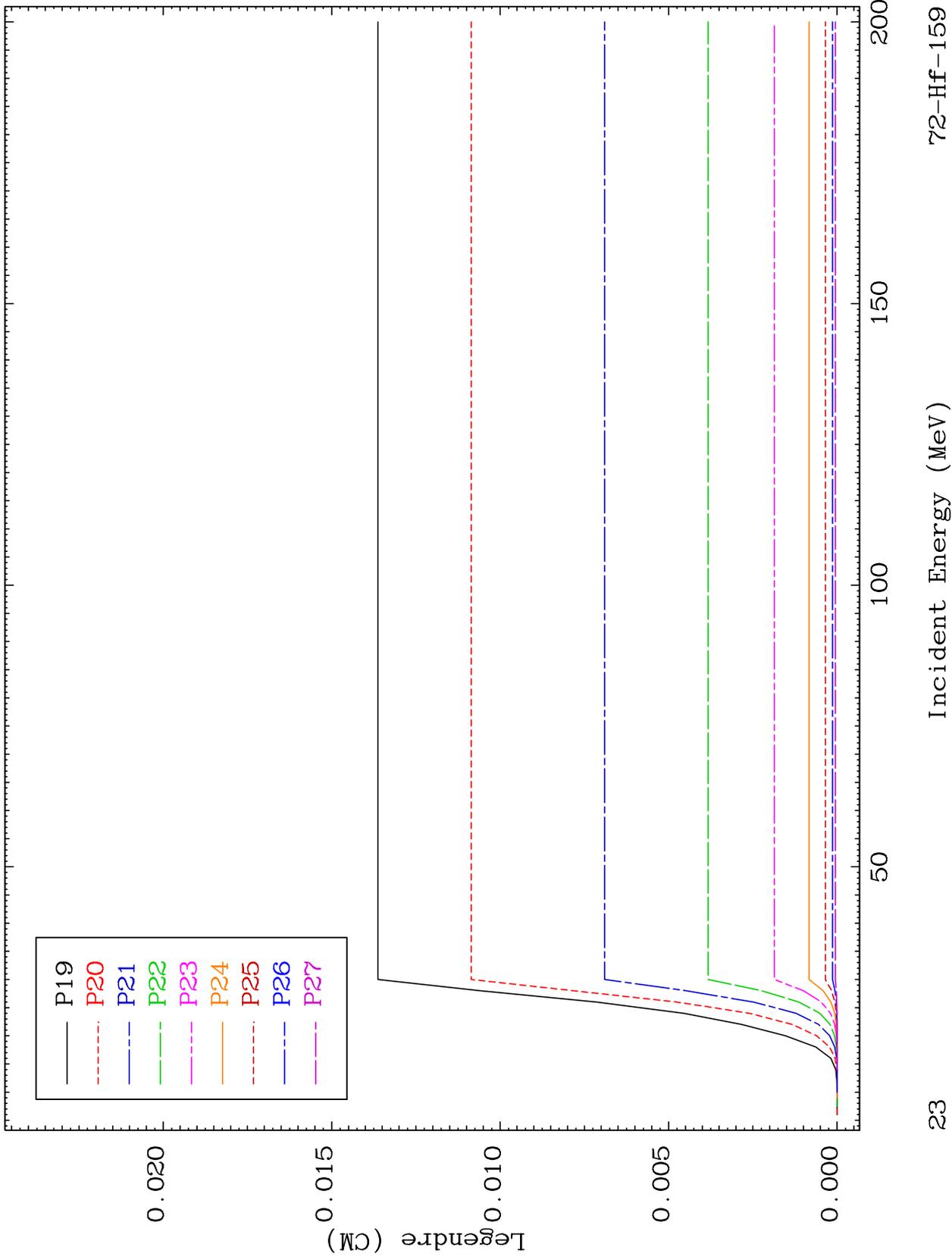
72-Hf-159



22

Incident Energy (MeV)

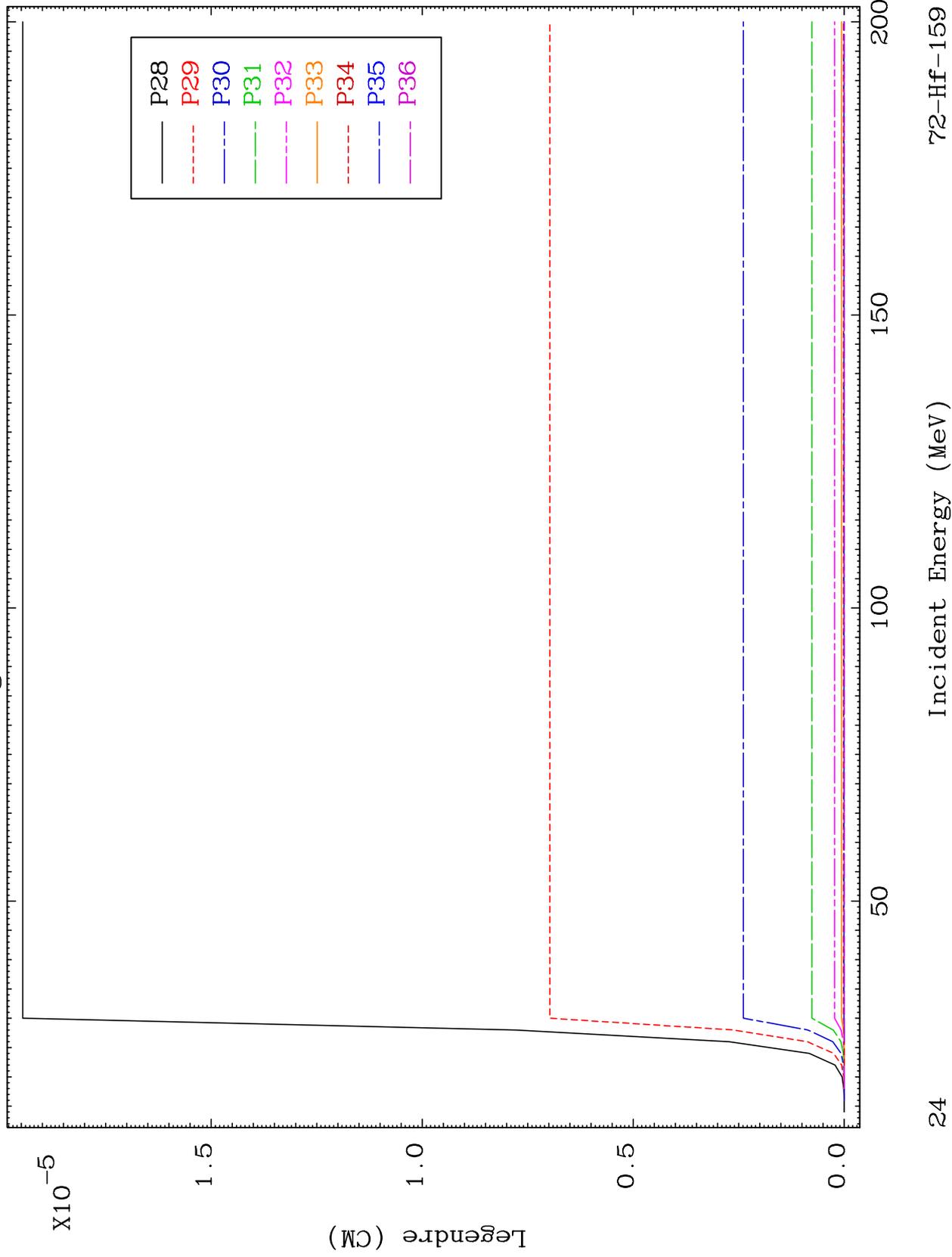
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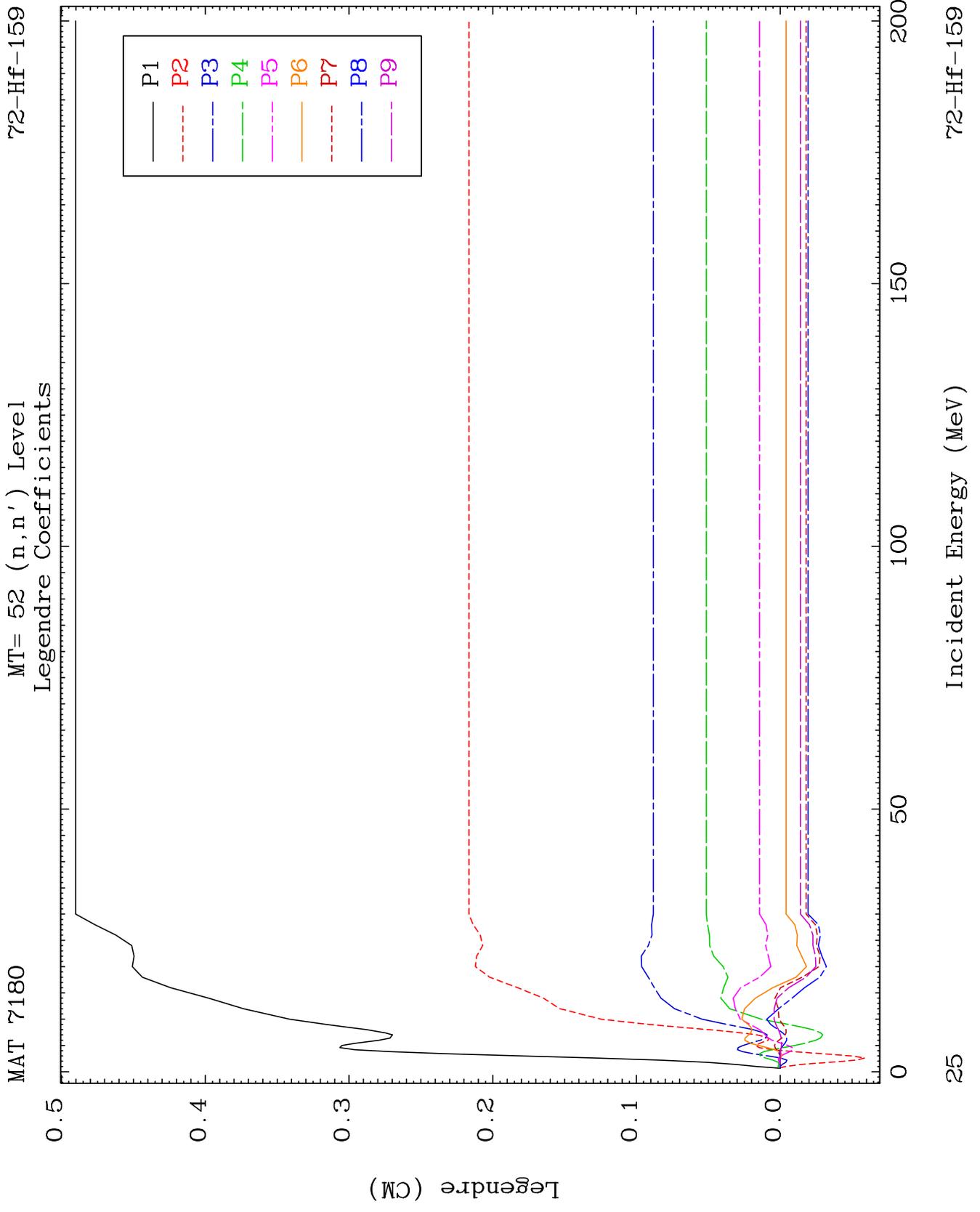


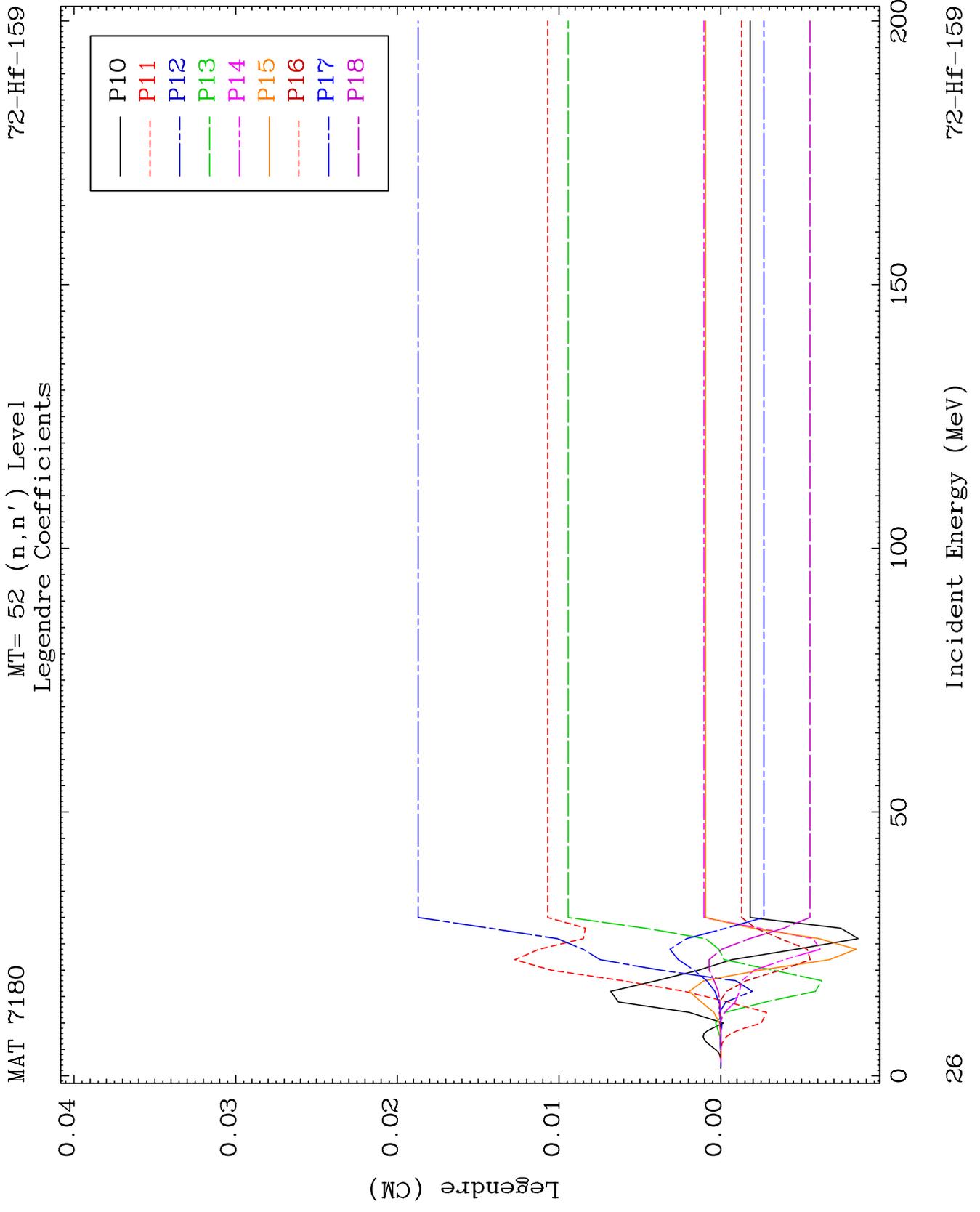
MAT 7180

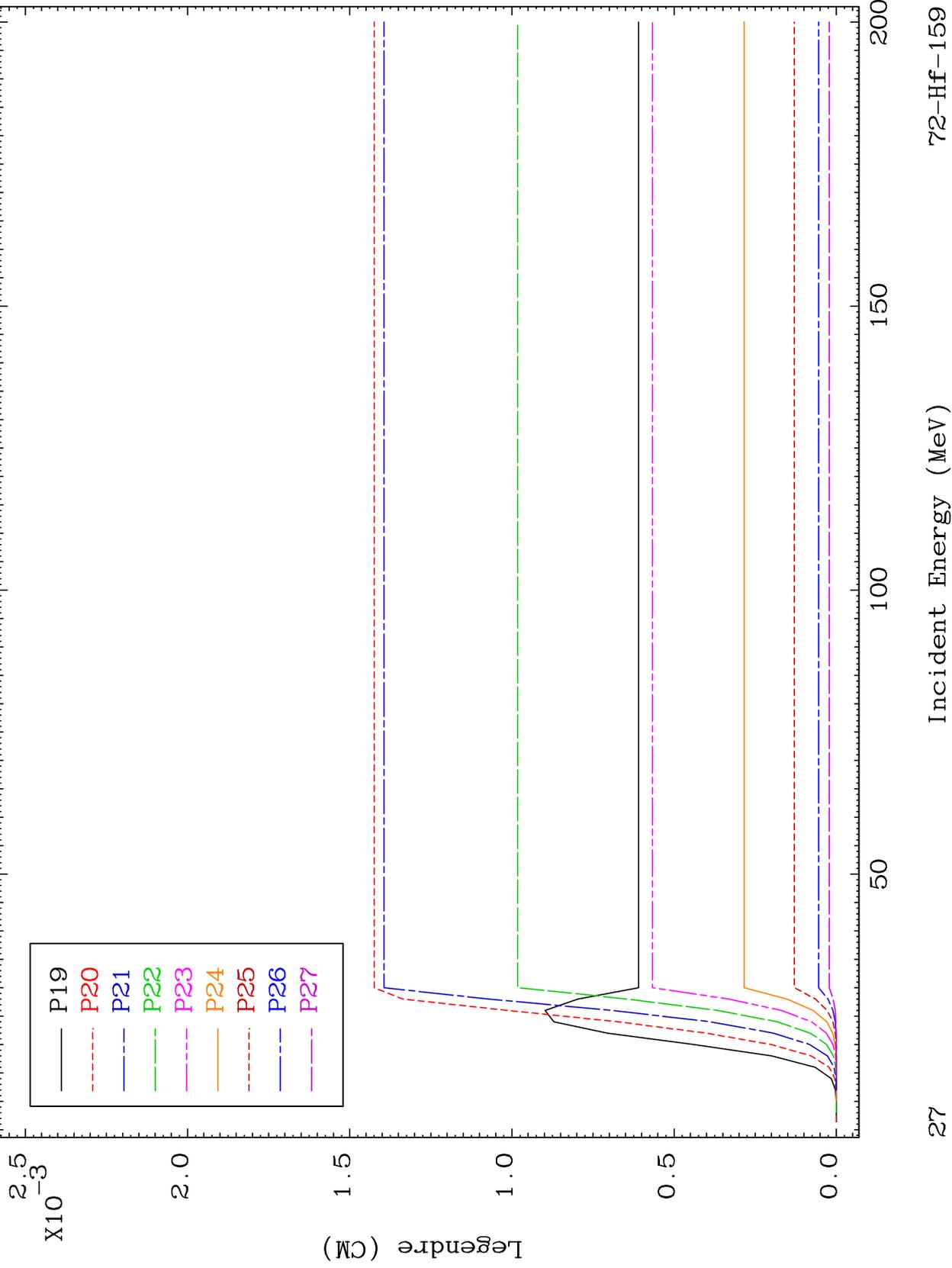
MT= 51 (n,n') Level  
Legendre Coefficients

72-Hf-159





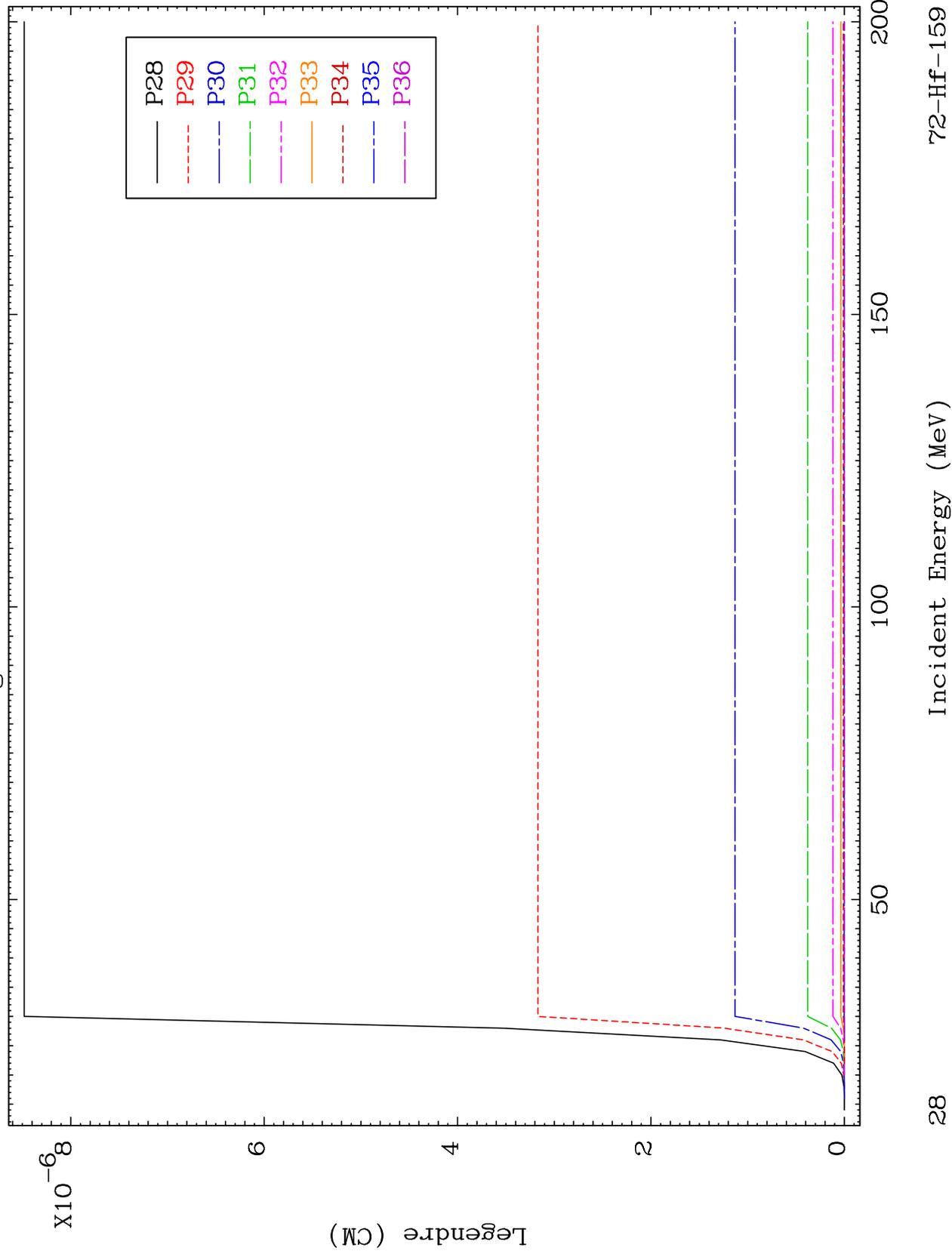




MAT 7180

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

72-Hf-159



28

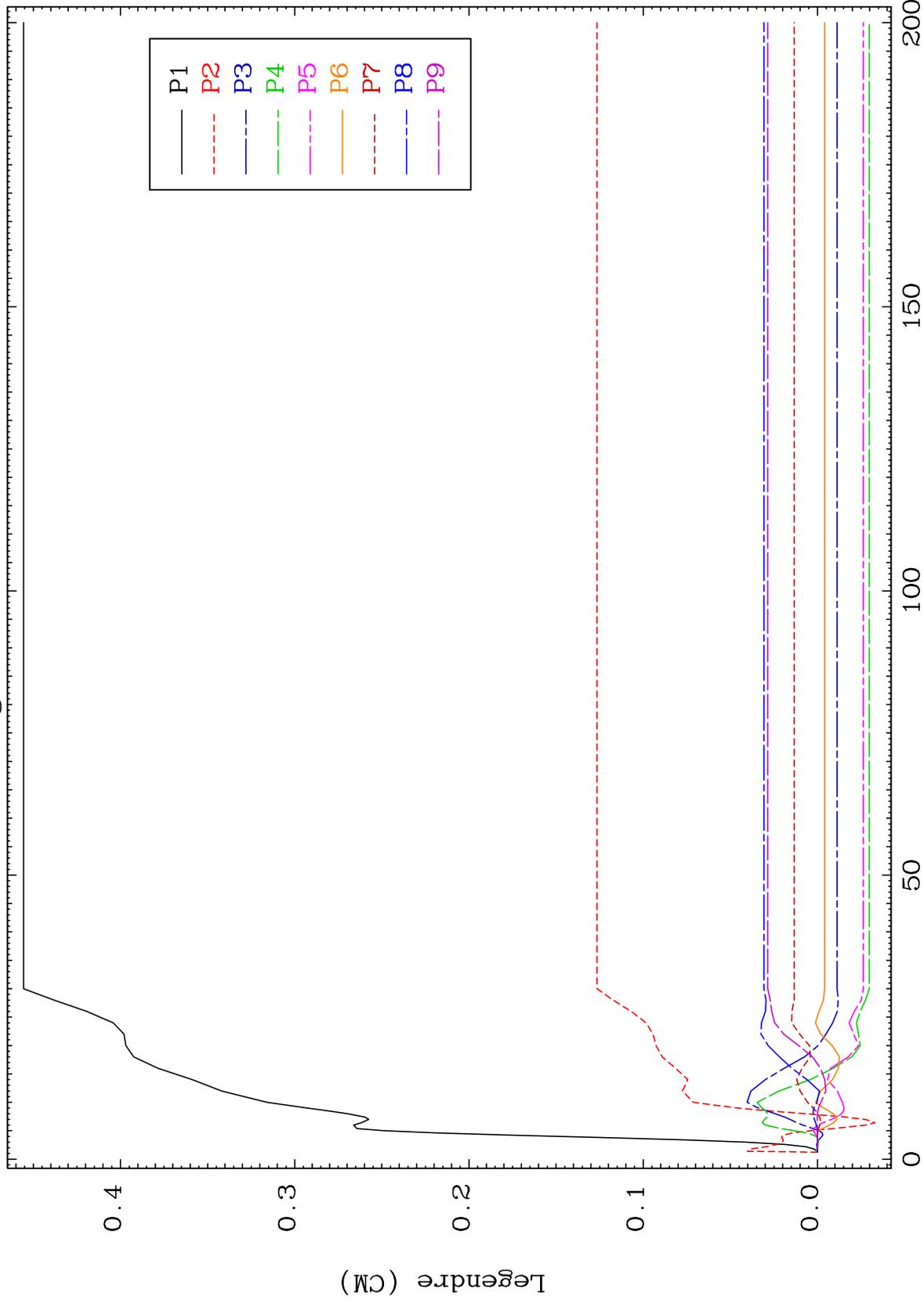
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



29

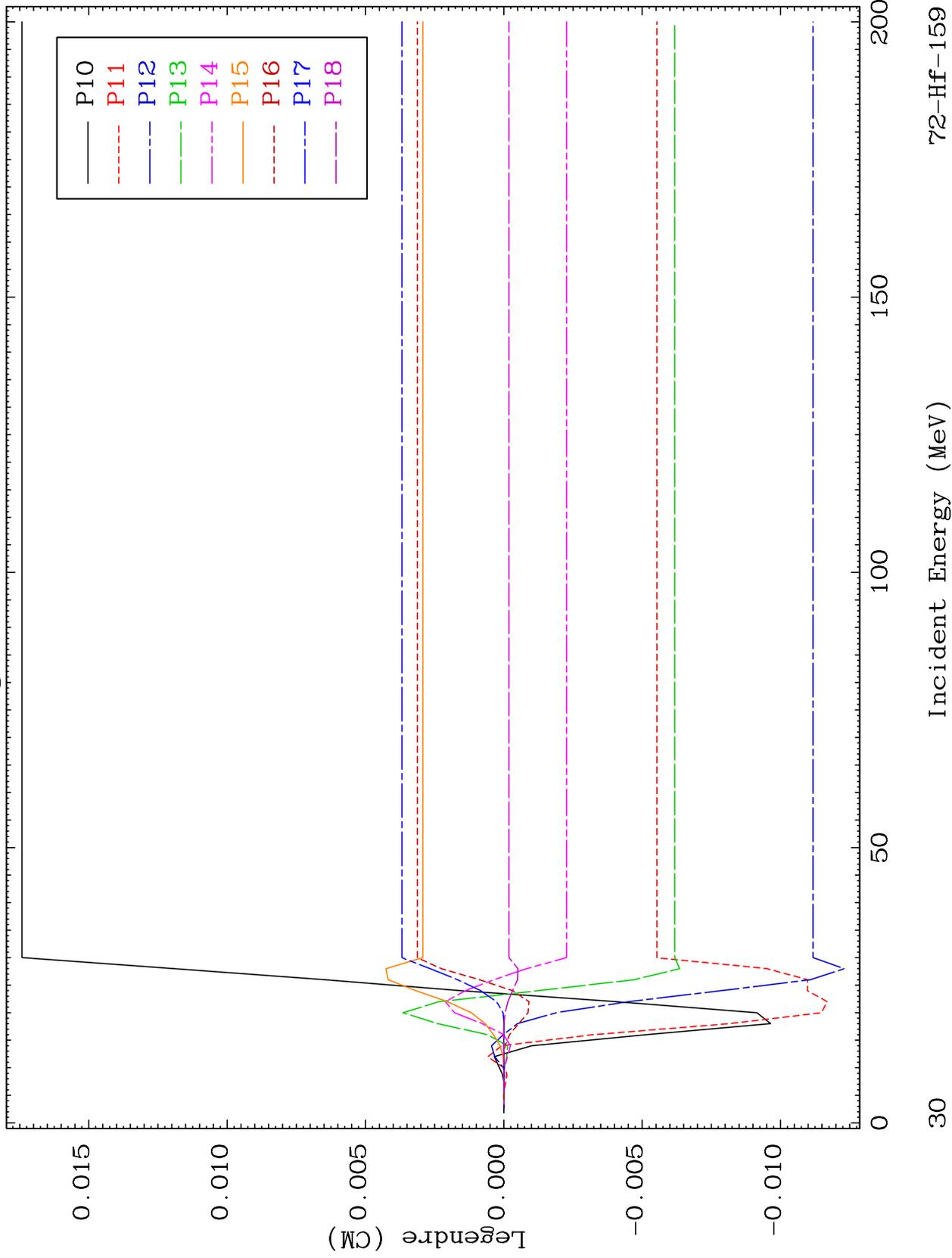
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



72-Hf-159

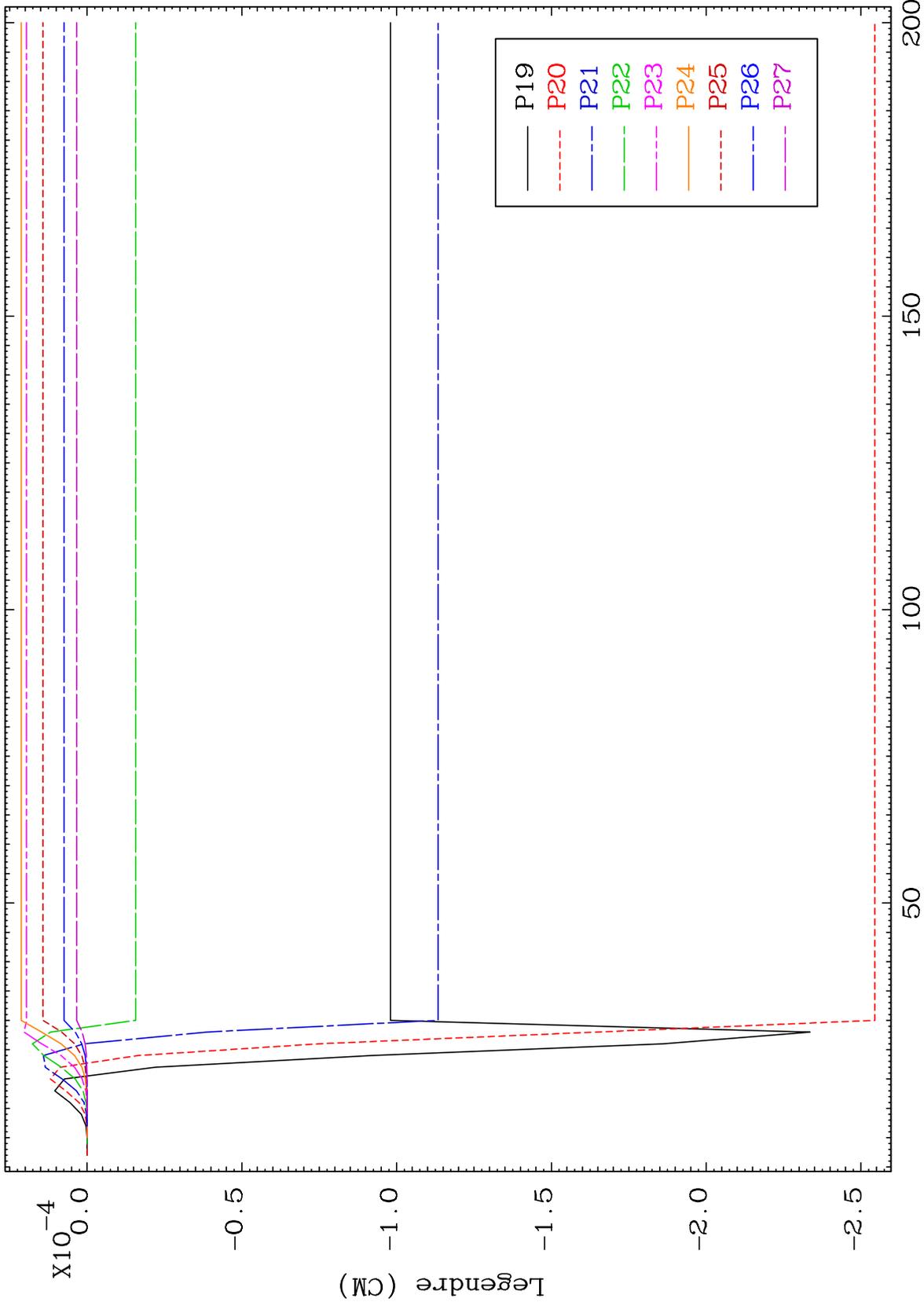
Incident Energy (MeV)

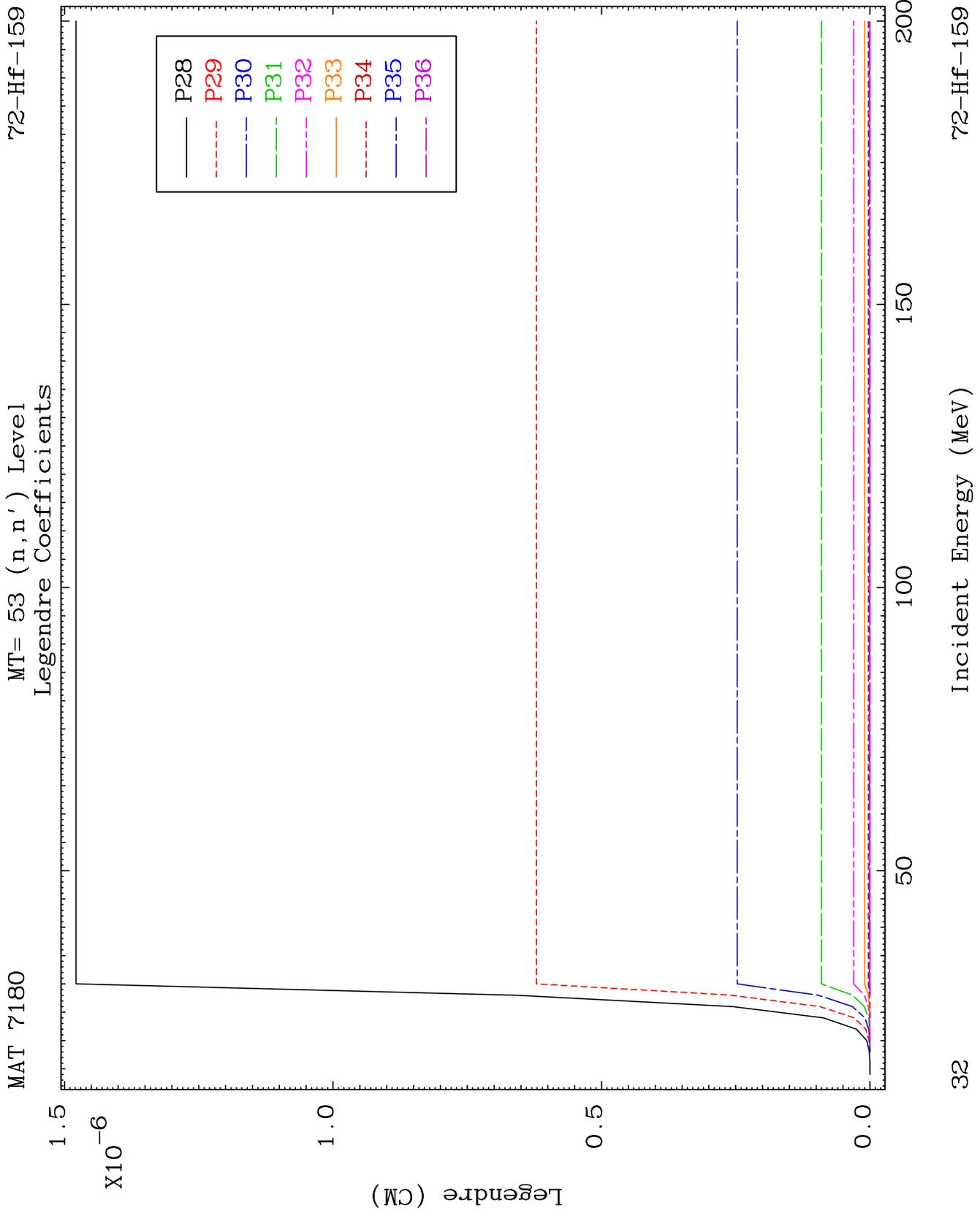
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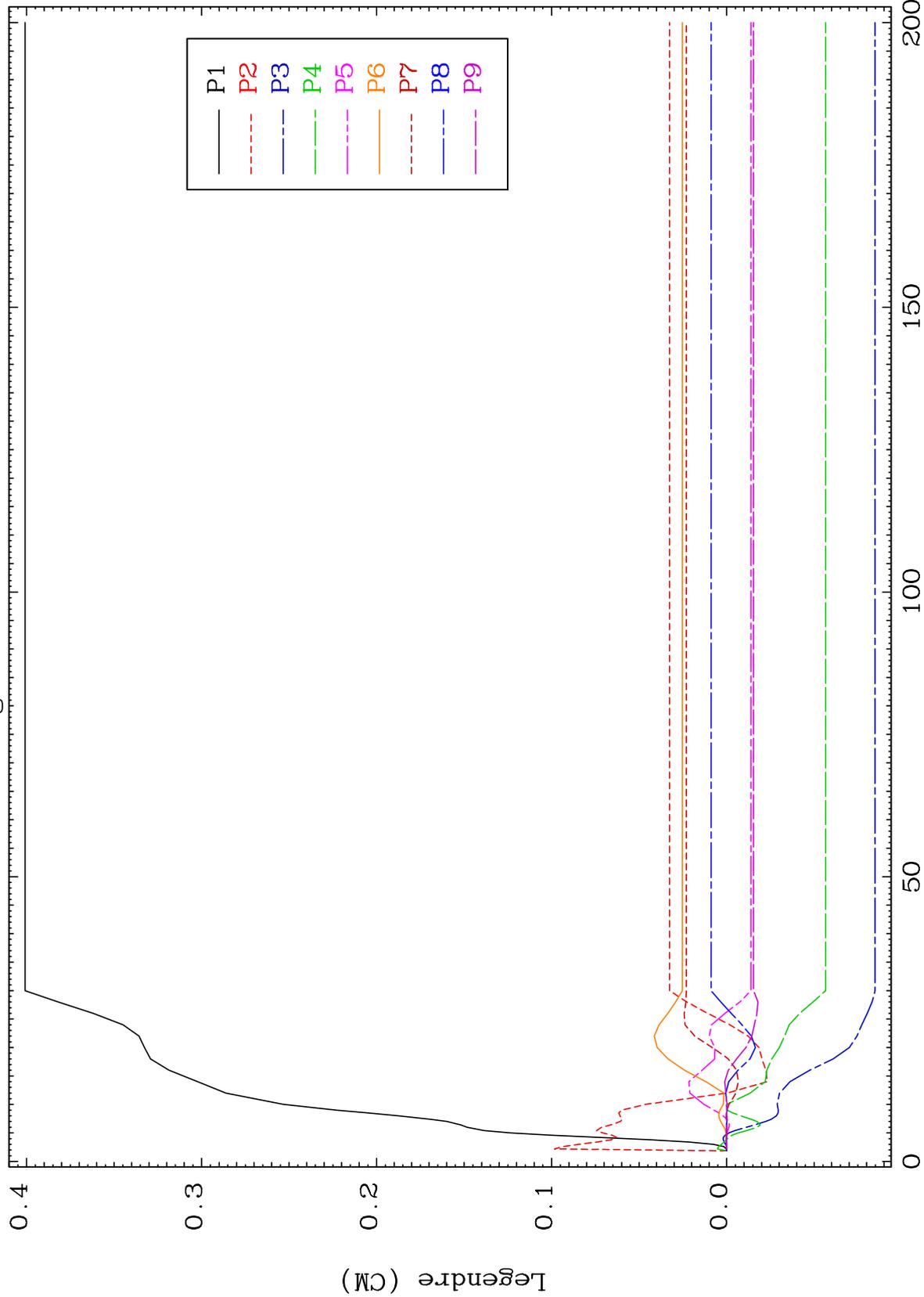
MAT 7180

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

72-Hf-159



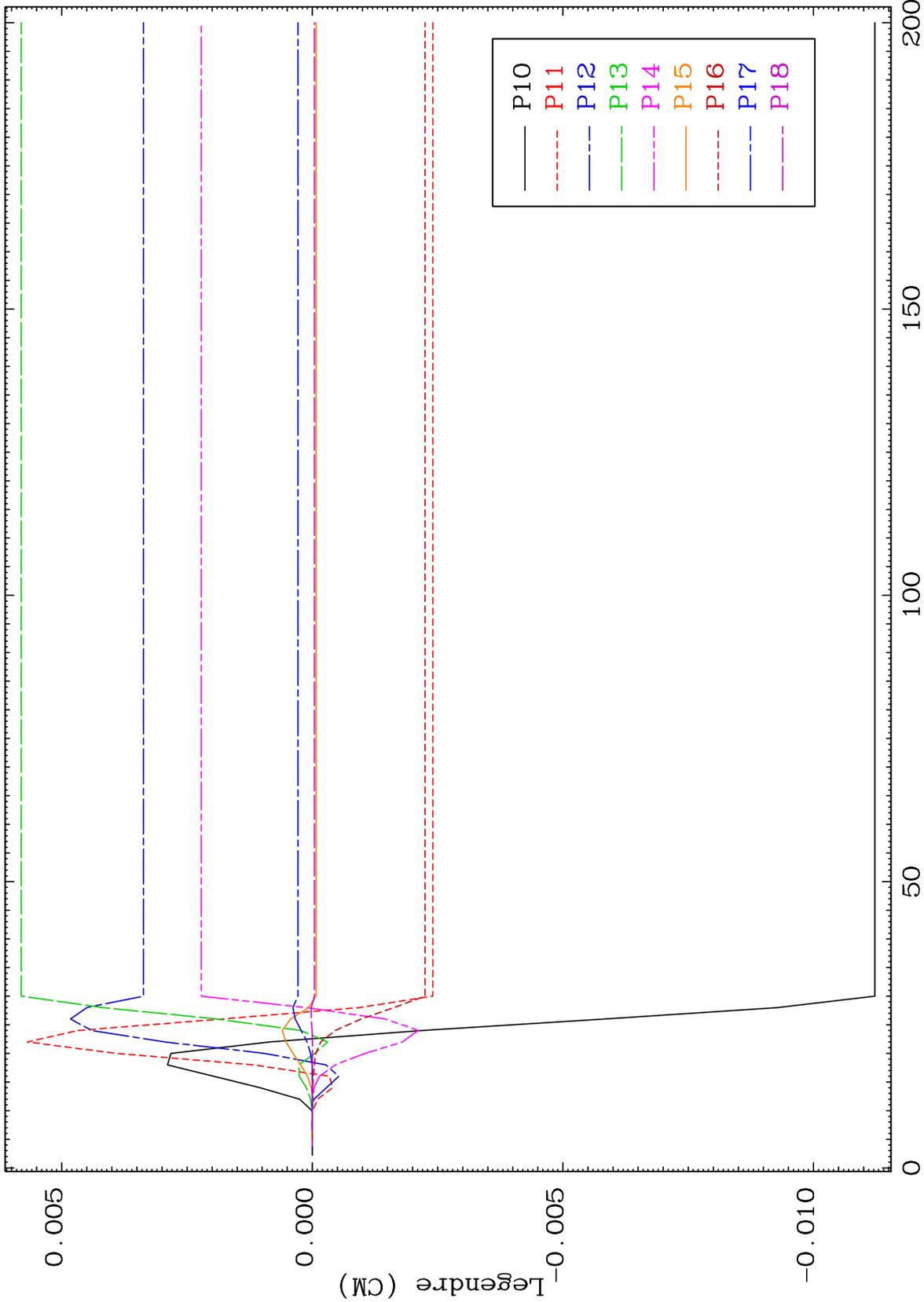




MAT 7180

MT= 54 (n,n') Level  
Legendre Coefficients

72-Hf-159



34

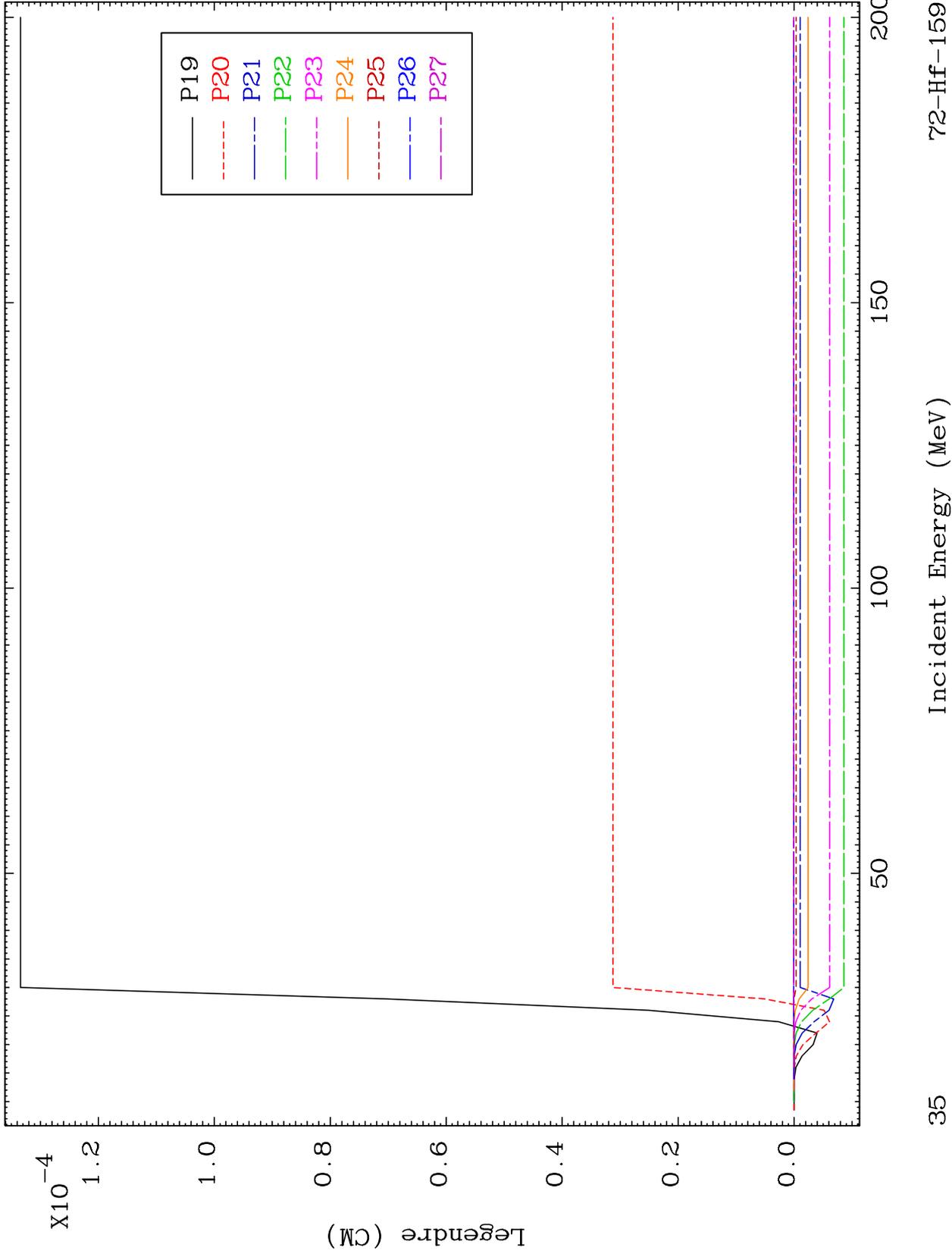
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 54 (n,n') Level  
Legendre Coefficients

72-Hf-159



35

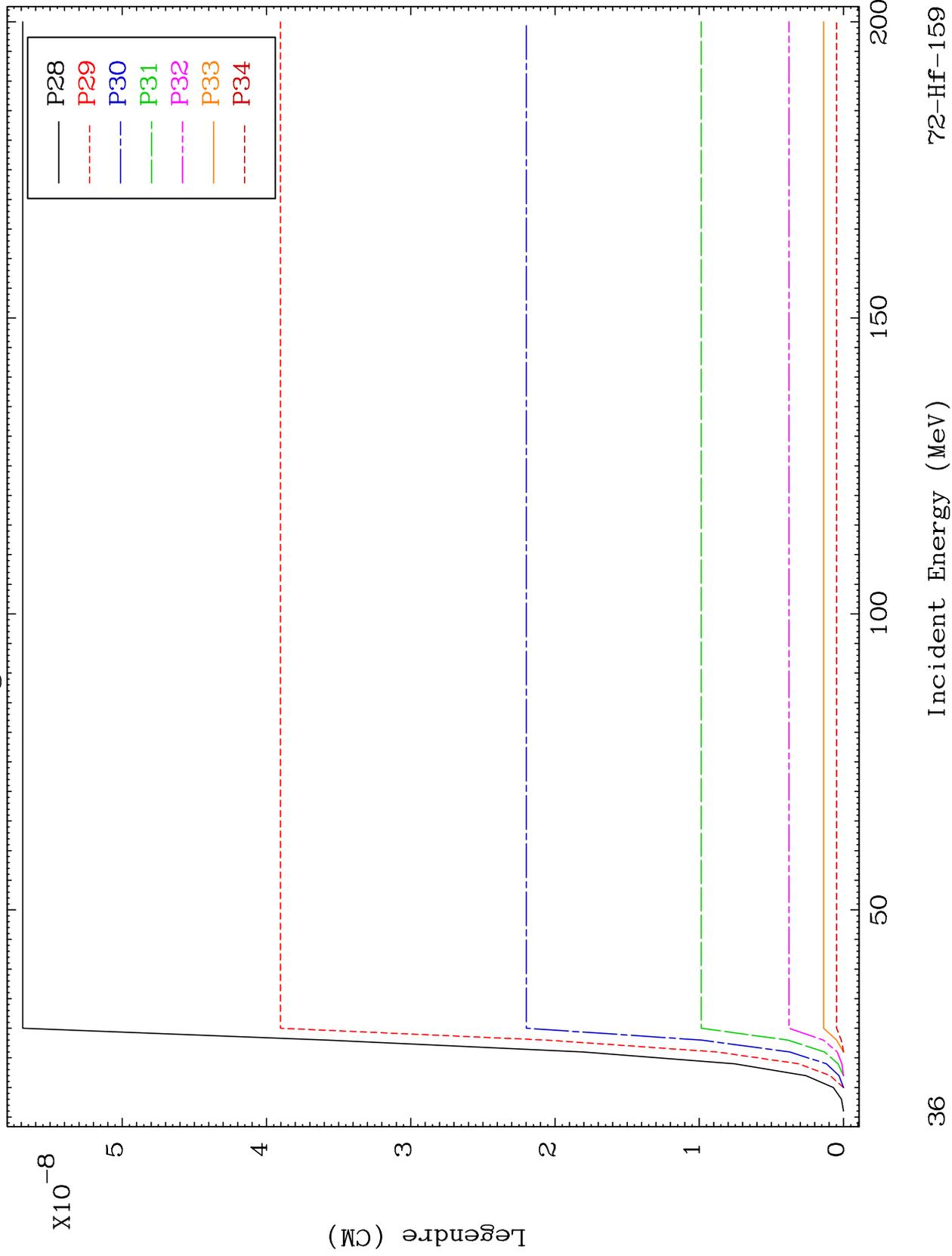
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 54 (n,n') Level  
Legendre Coefficients

72-Hf-159



36

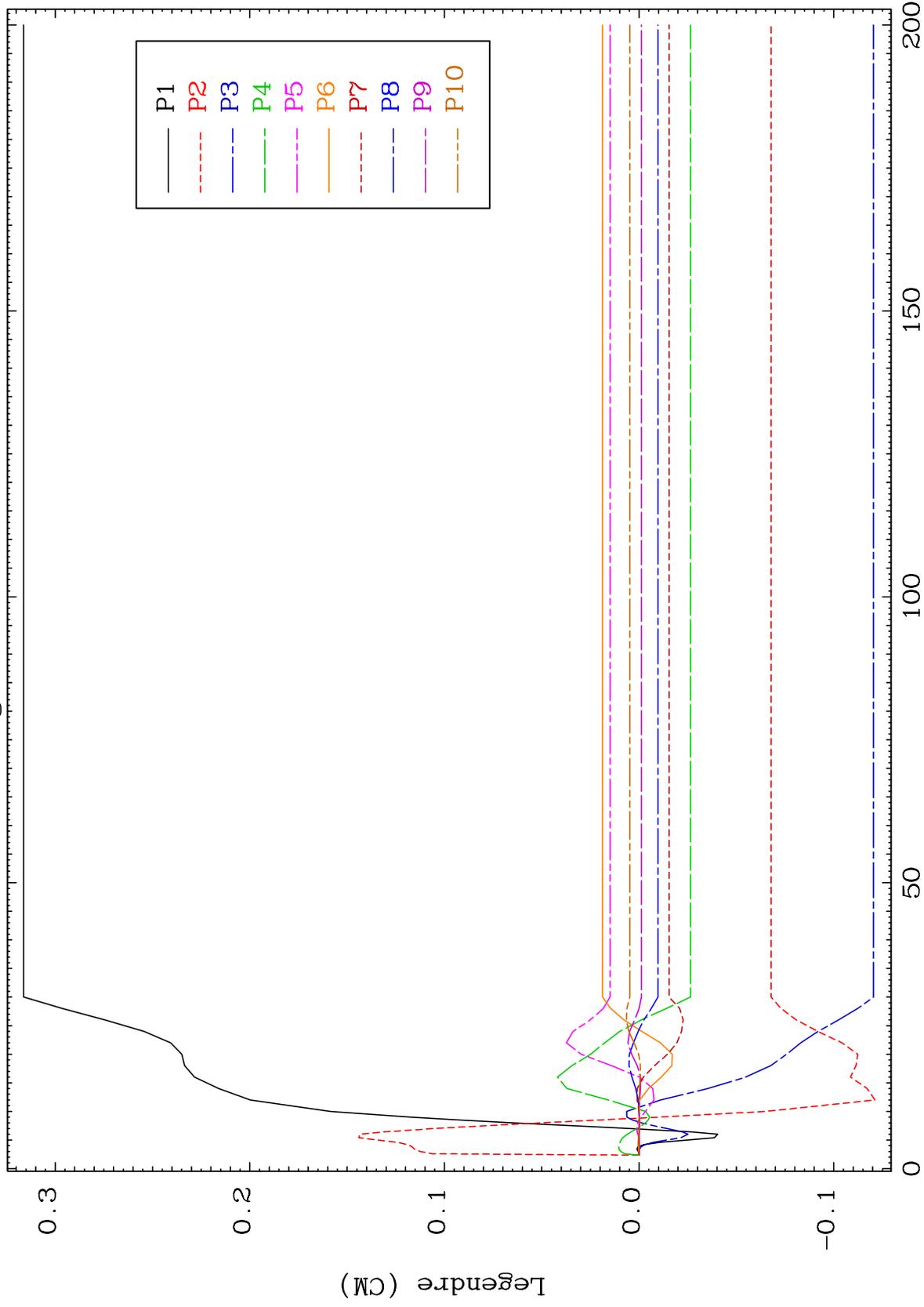
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 55 (n,n') Level  
Legendre Coefficients

72-Hf-159



37

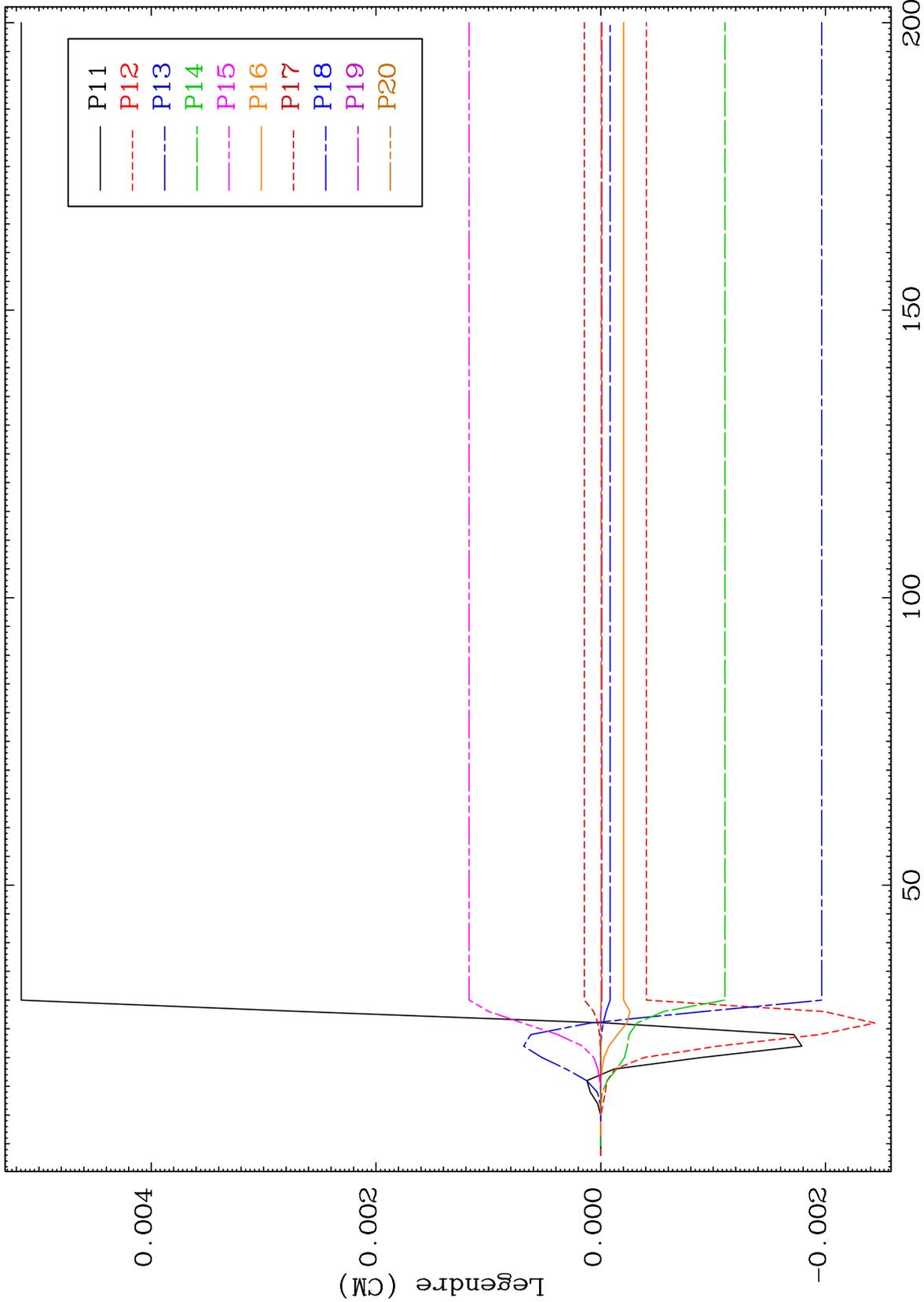
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 55 (n,n') Level  
Legendre Coefficients

72-Hf-159



38

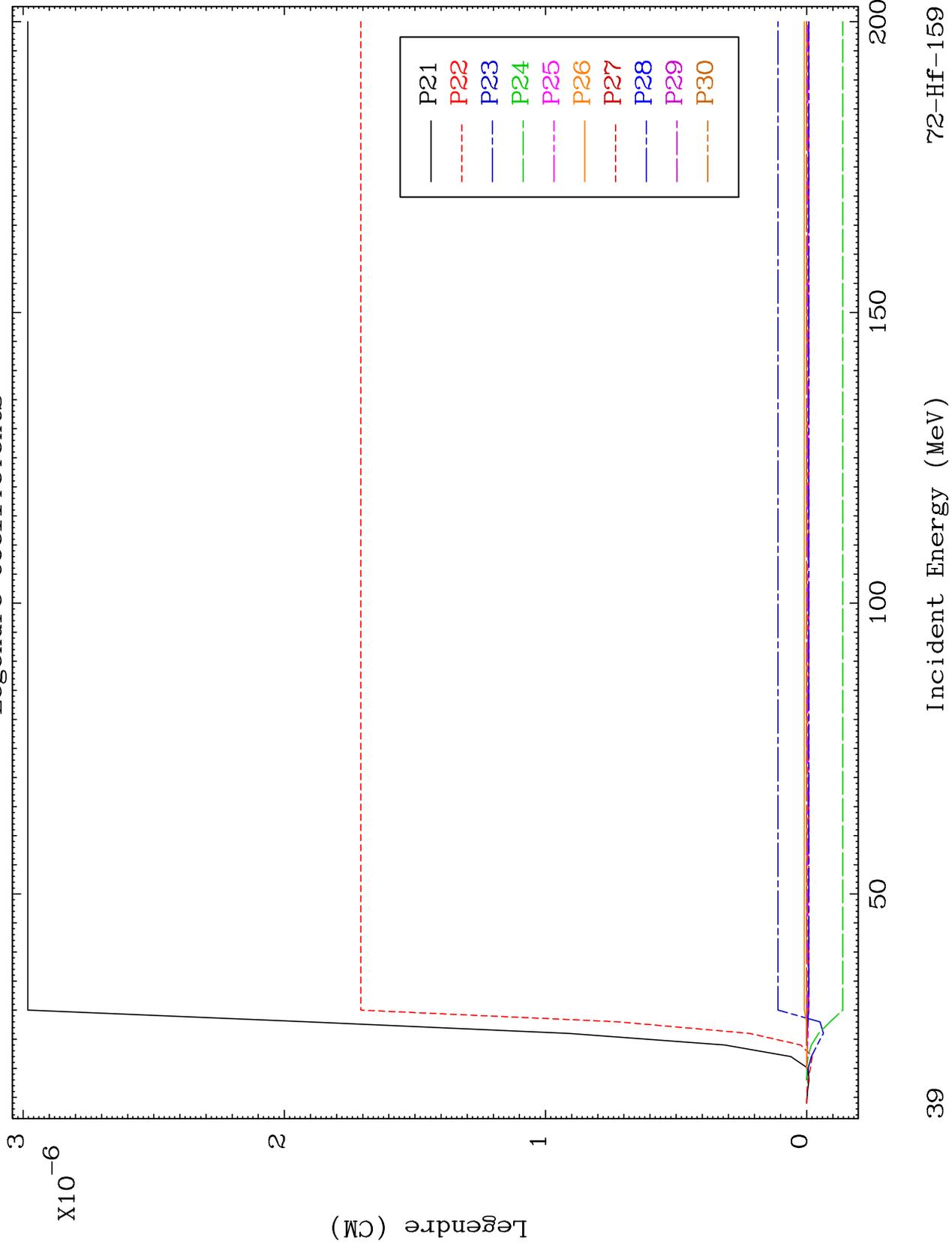
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 55 (n,n') Level  
Legendre Coefficients

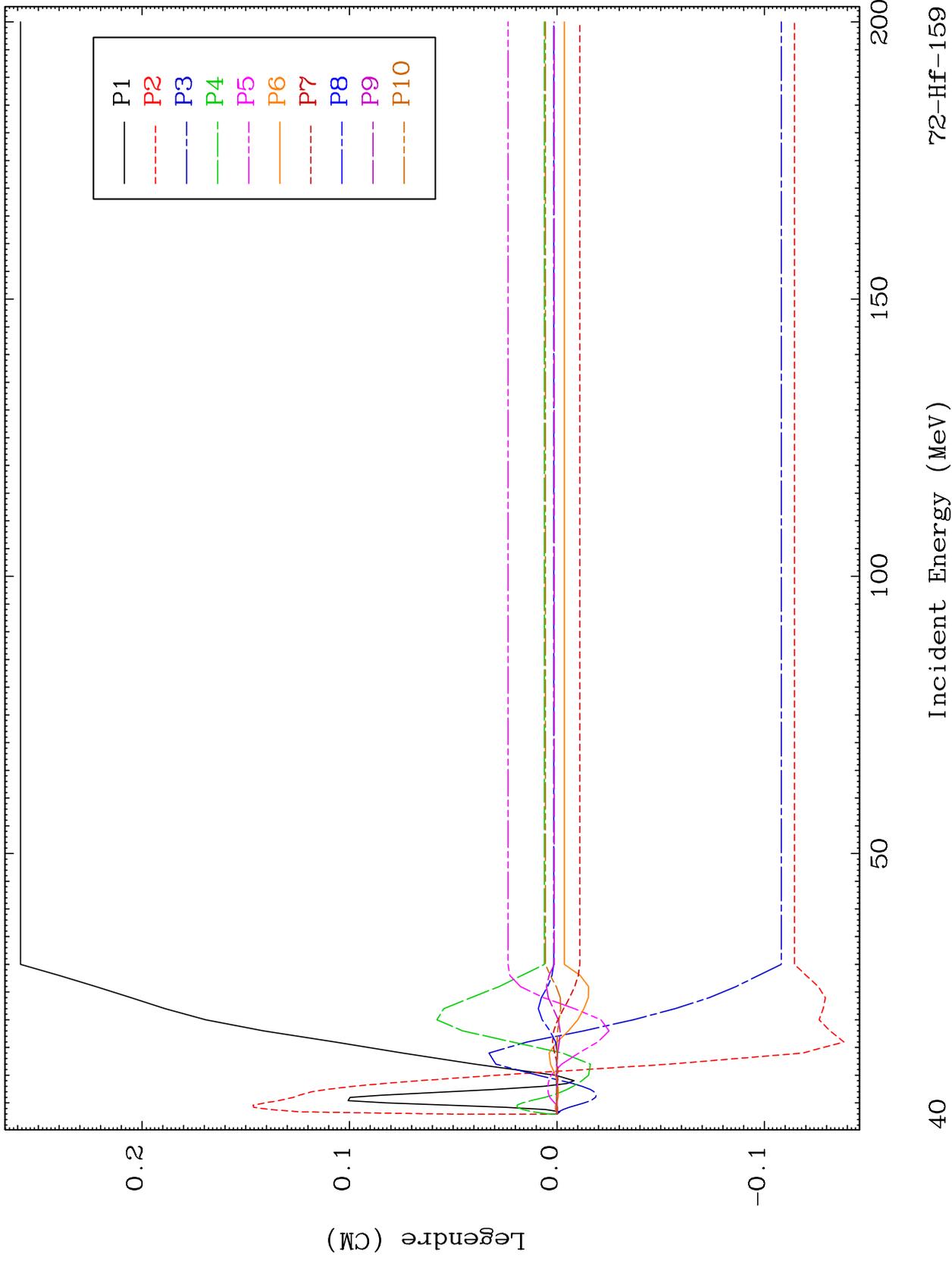
72-Hf-159



MAT 7180

MT= 56 (n,n') Level  
Legendre Coefficients

72-Hf-159



72-Hf-159

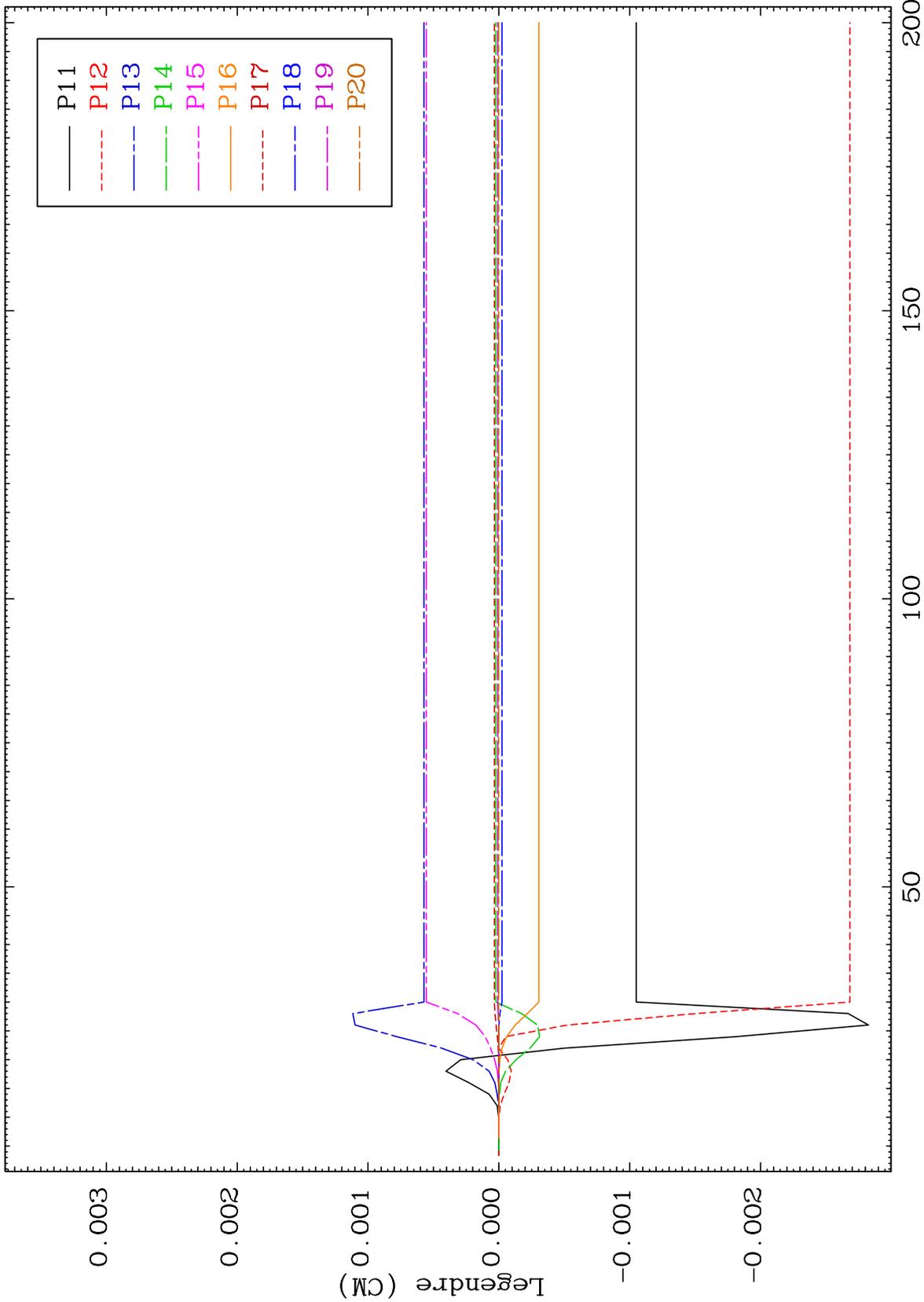
Incident Energy (MeV)

40

MAT 7180

MT= 56 (n,n') Level  
Legendre Coefficients

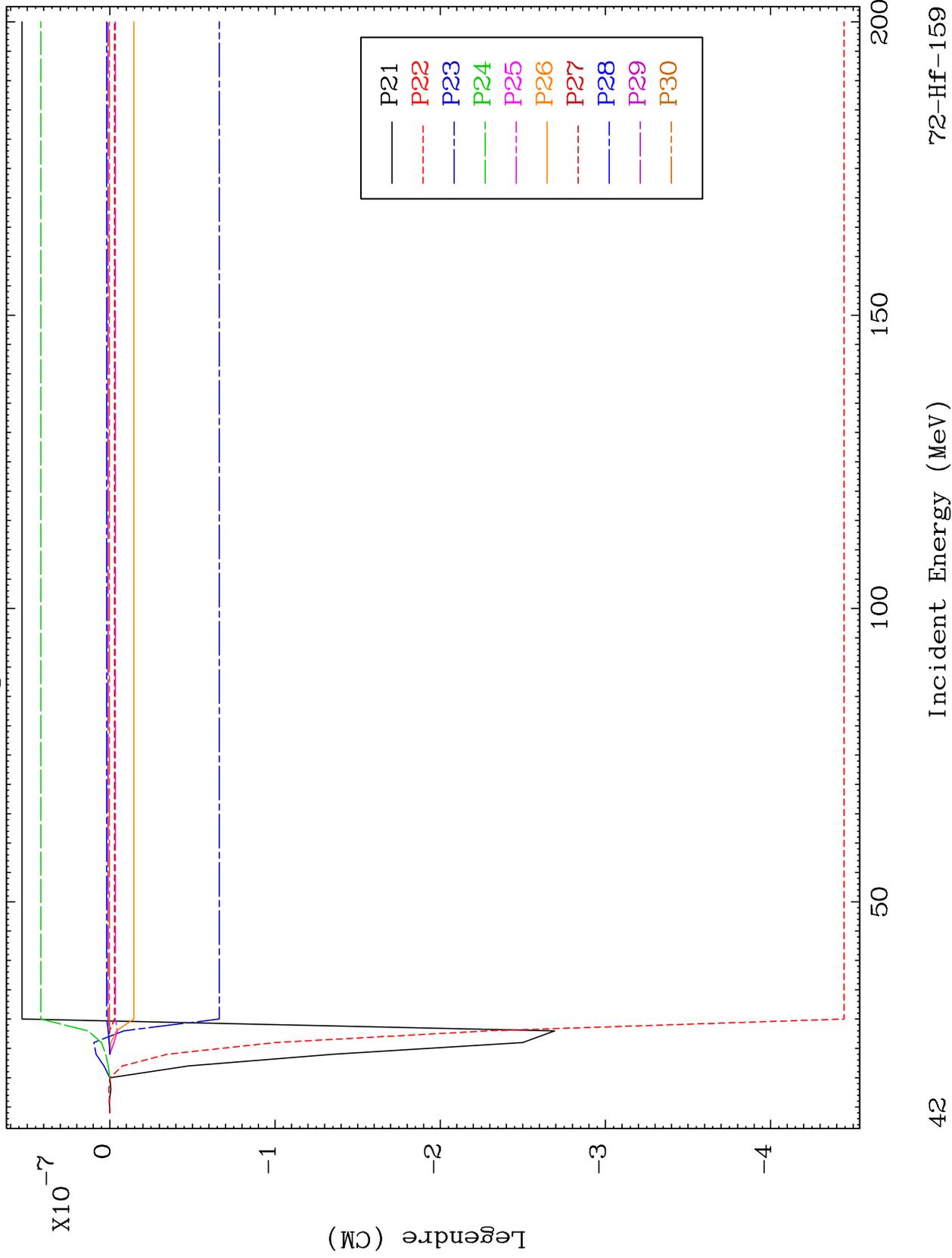
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MAT 7180

MT= 56 (n,n') Level  
Legendre Coefficients

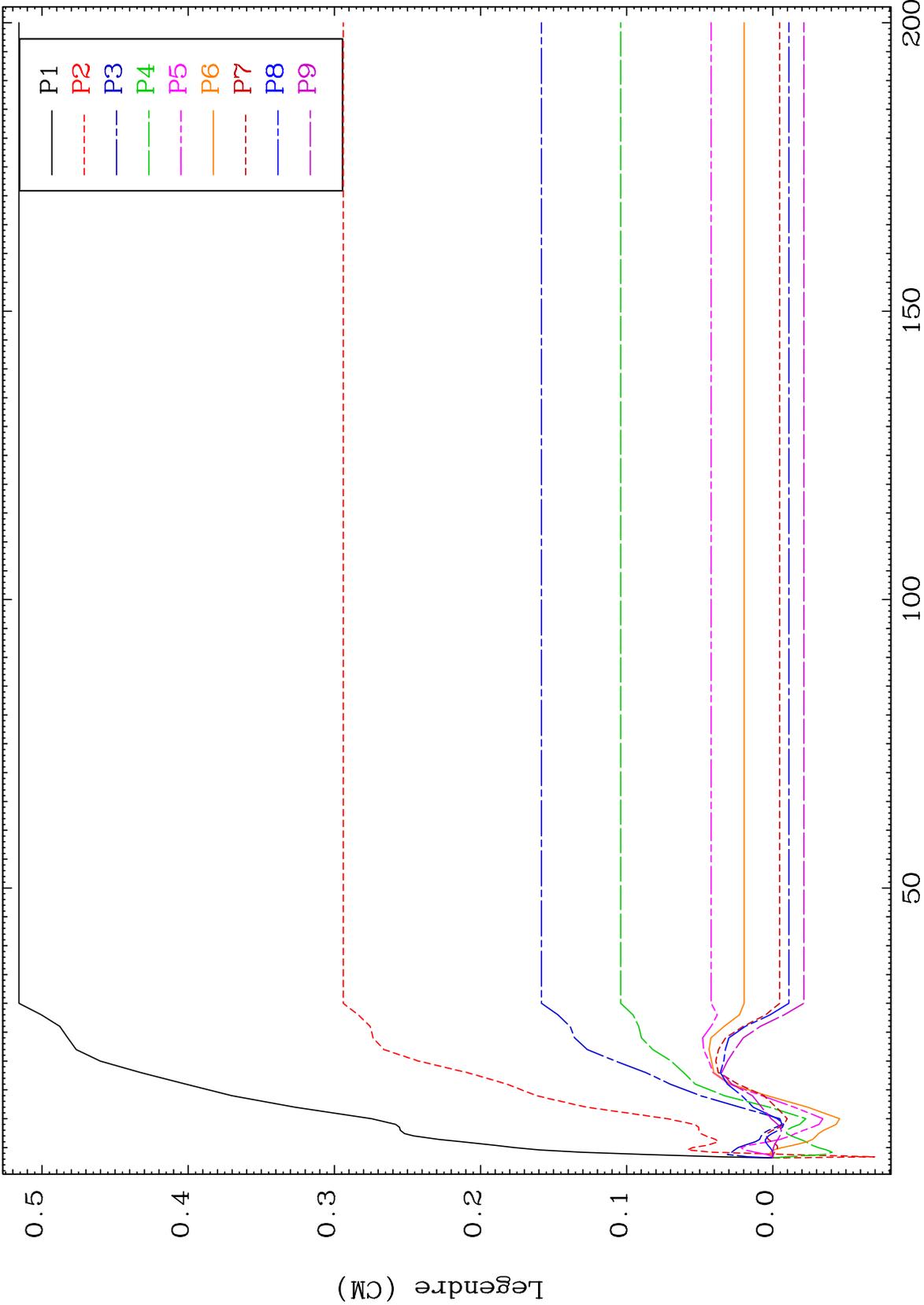
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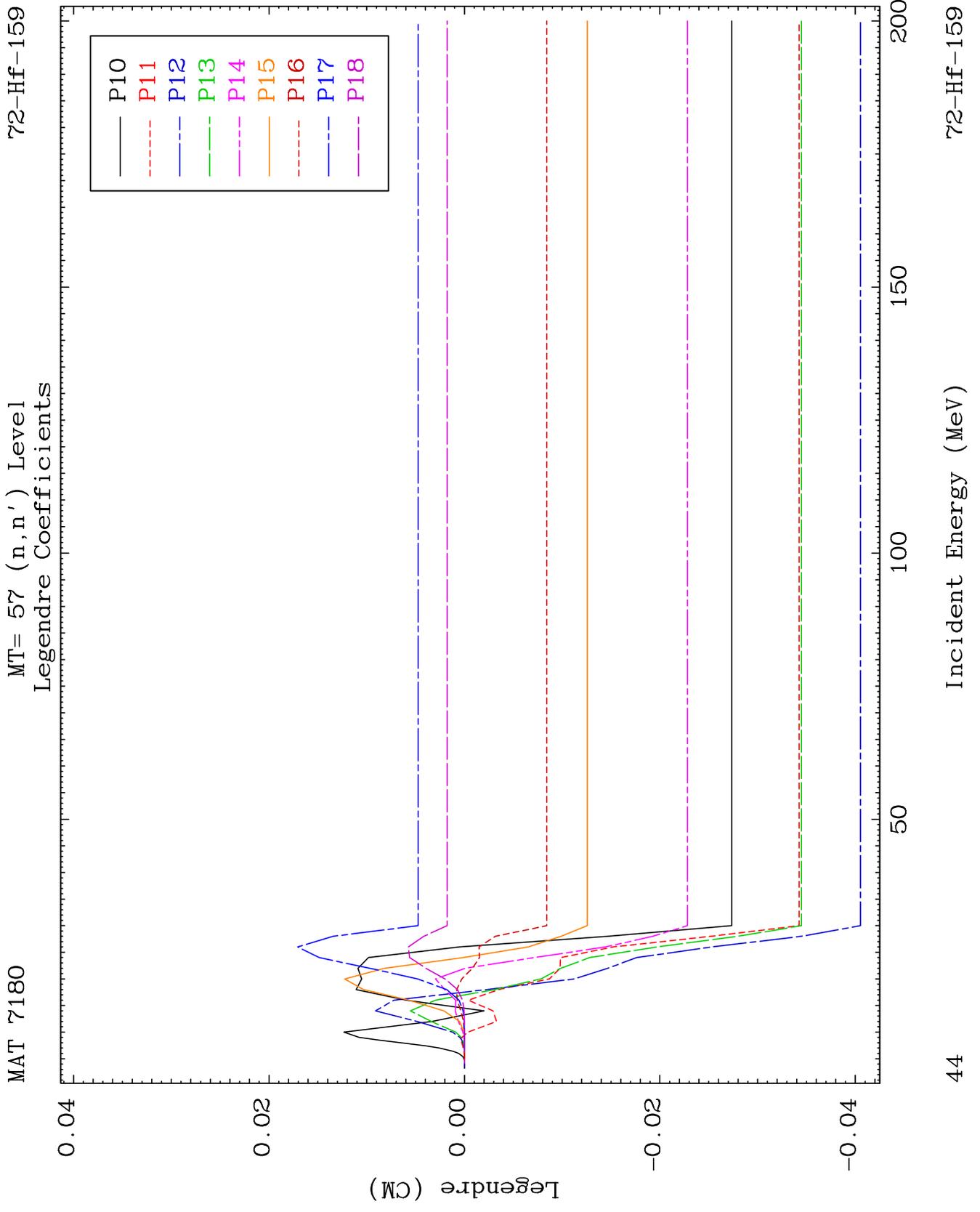


42

Incident Energy (MeV)

72-Hf-159

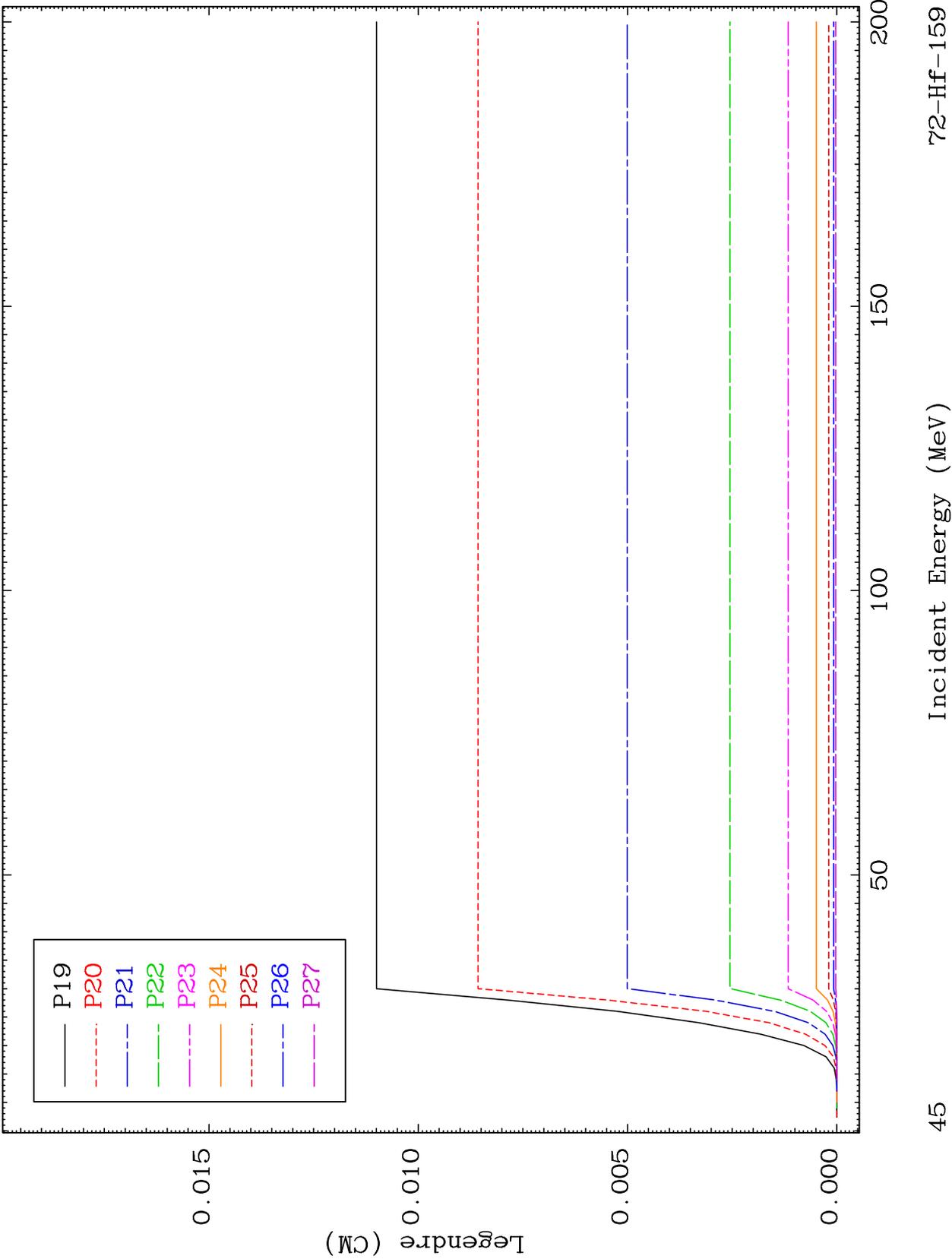




MAT 7180

MT= 57 (n,n') Level  
Legendre Coefficients

72-Hf-159



45

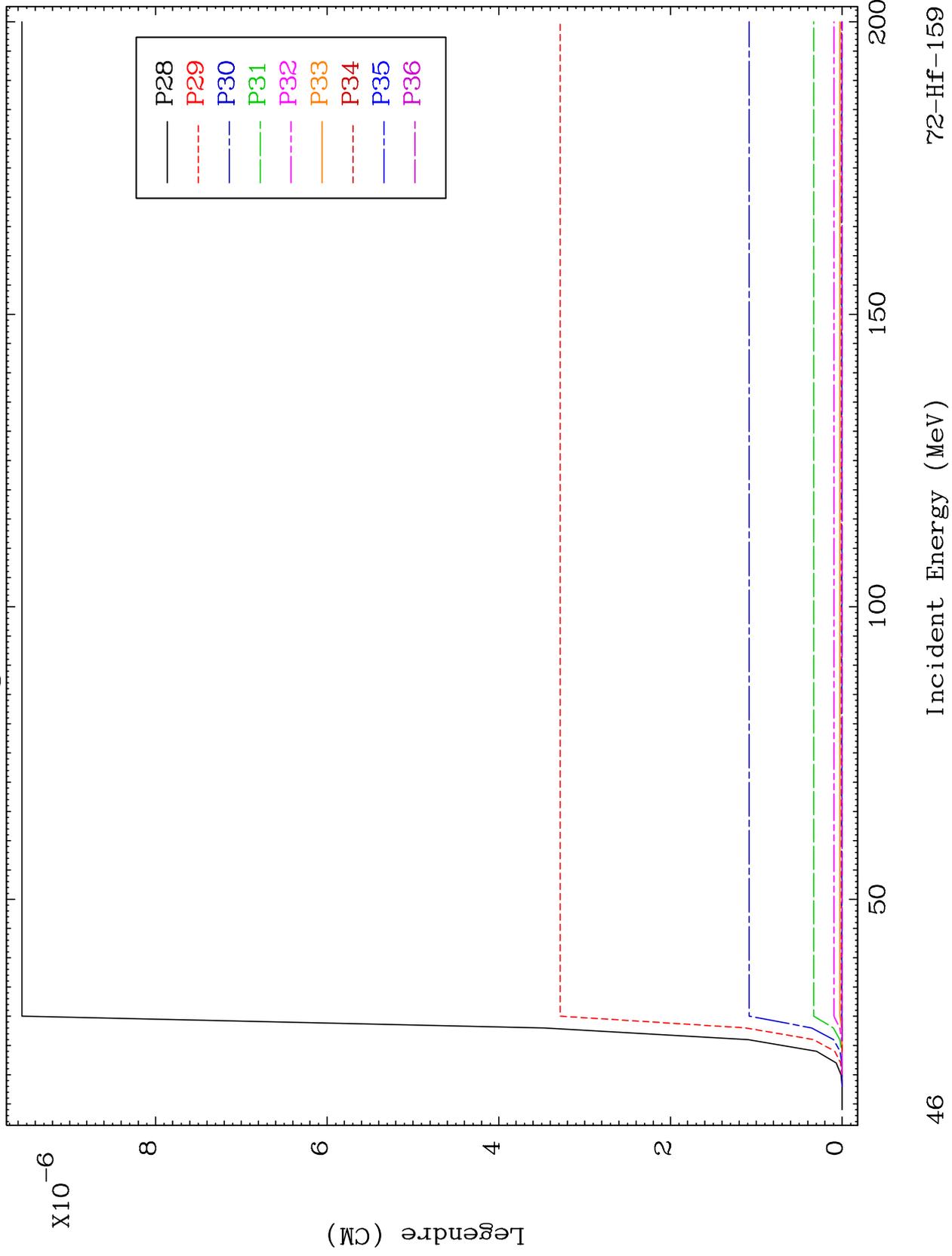
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 57 (n,n') Level  
Legendre Coefficients

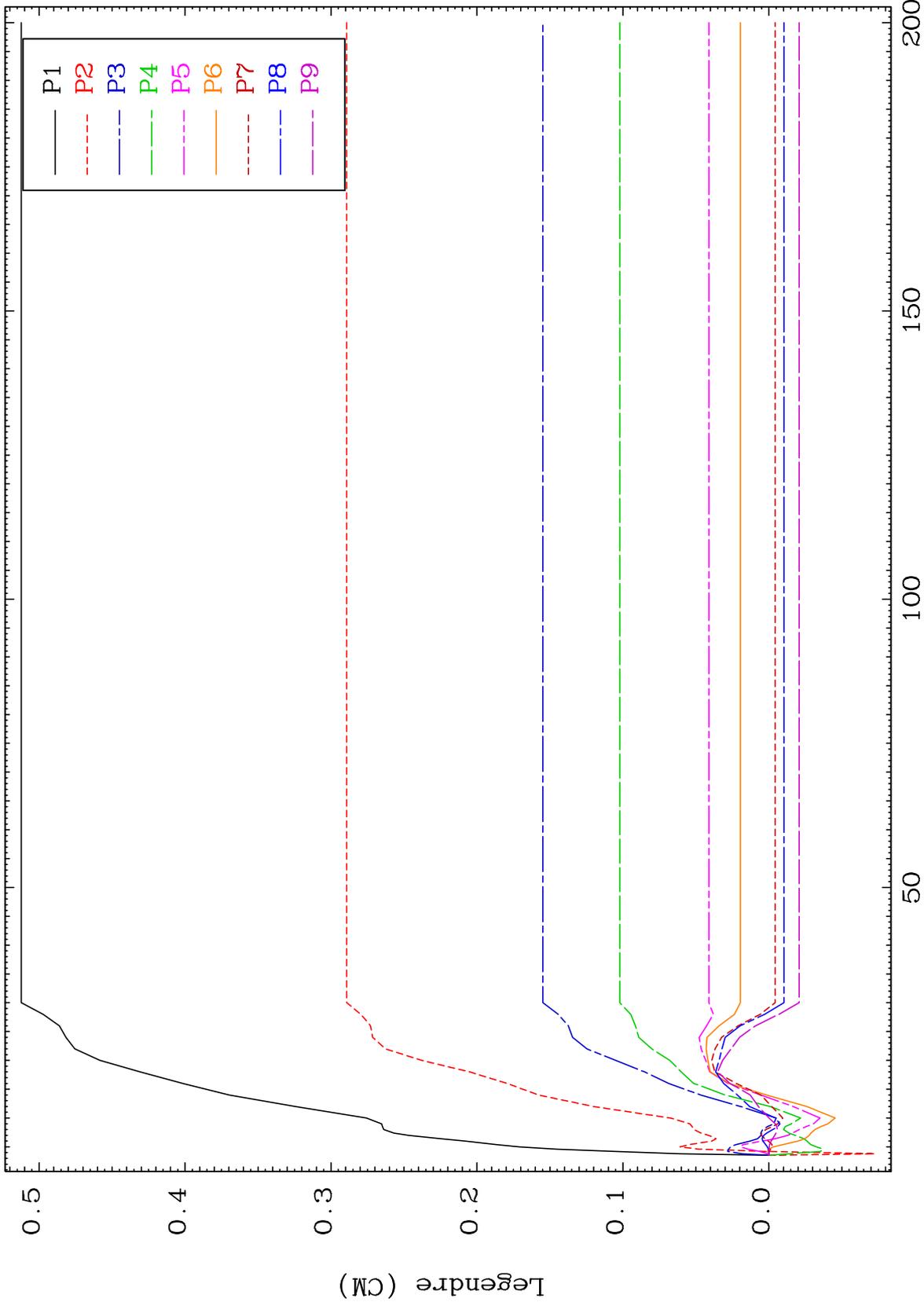
72-Hf-159



MAT 7180

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

72-Hf-159



47

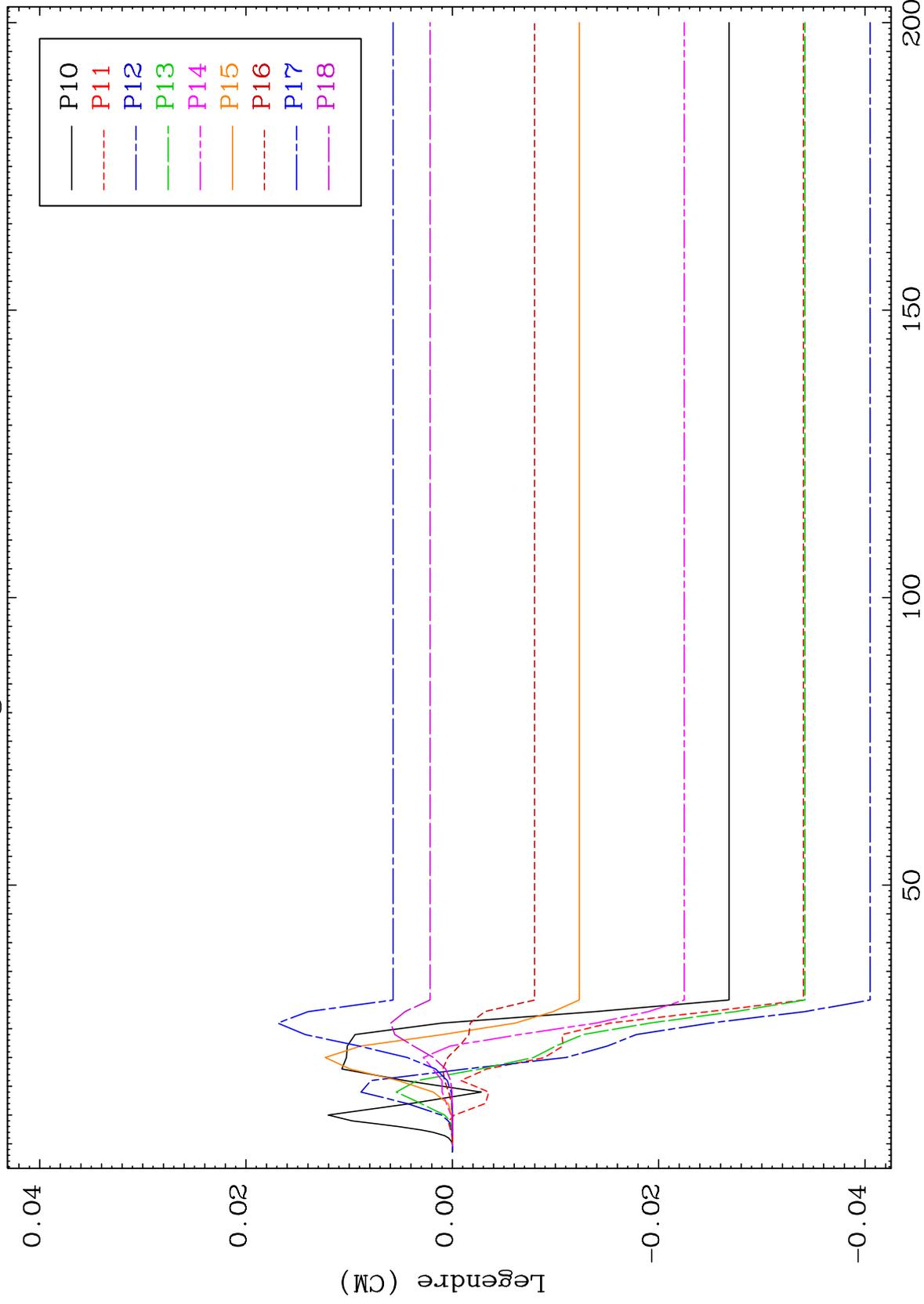
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



48

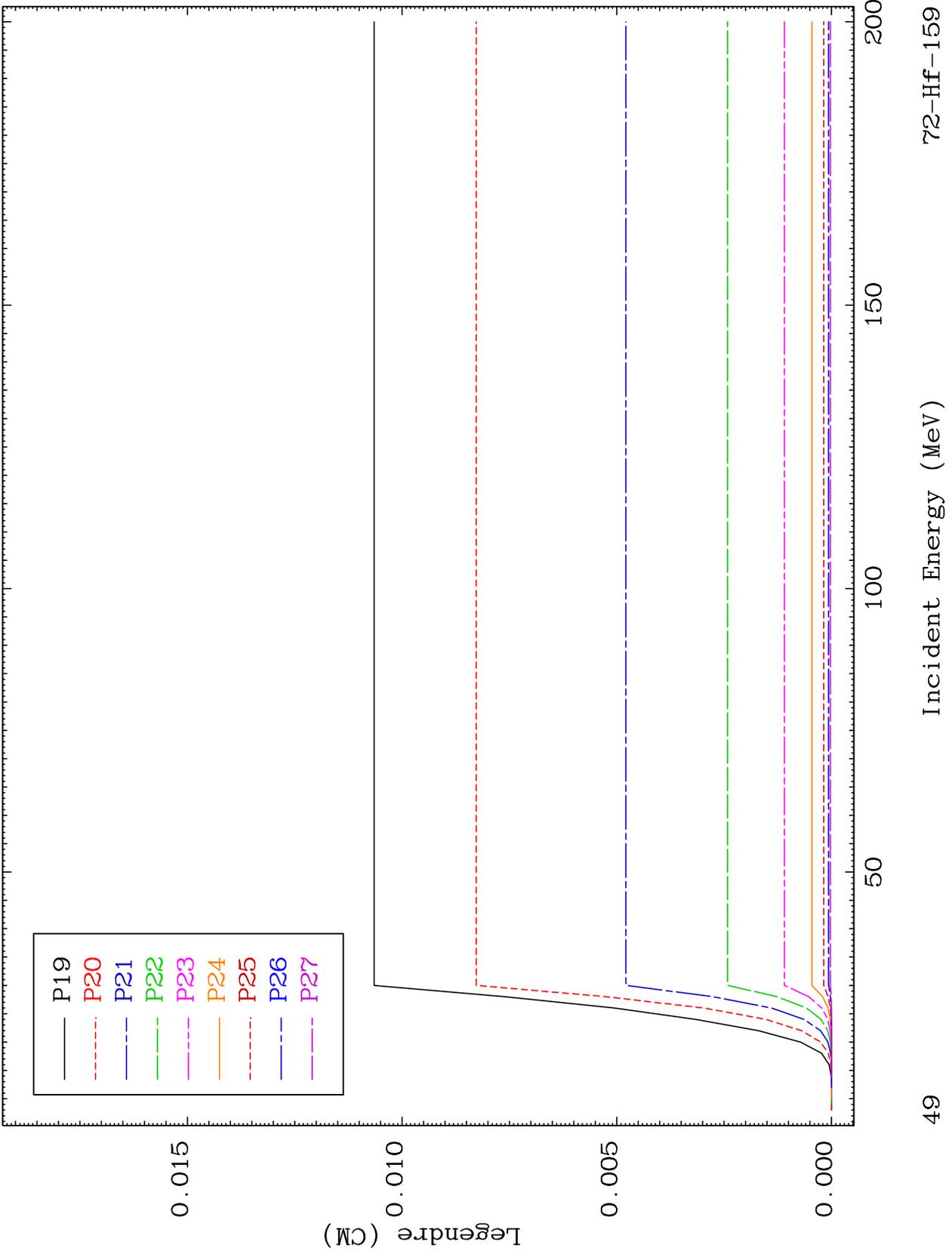
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

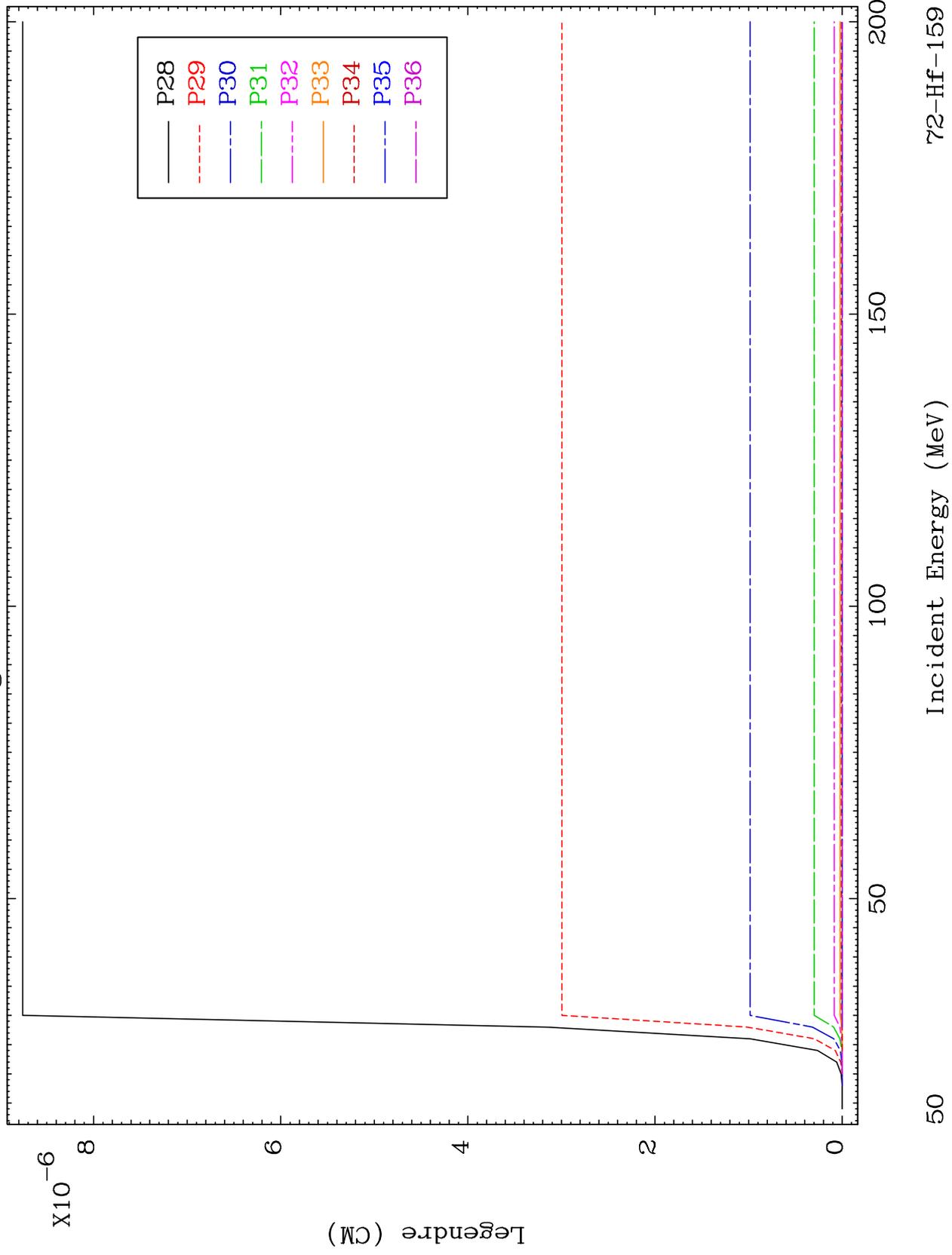
72-Hf-159



MAT 7180

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

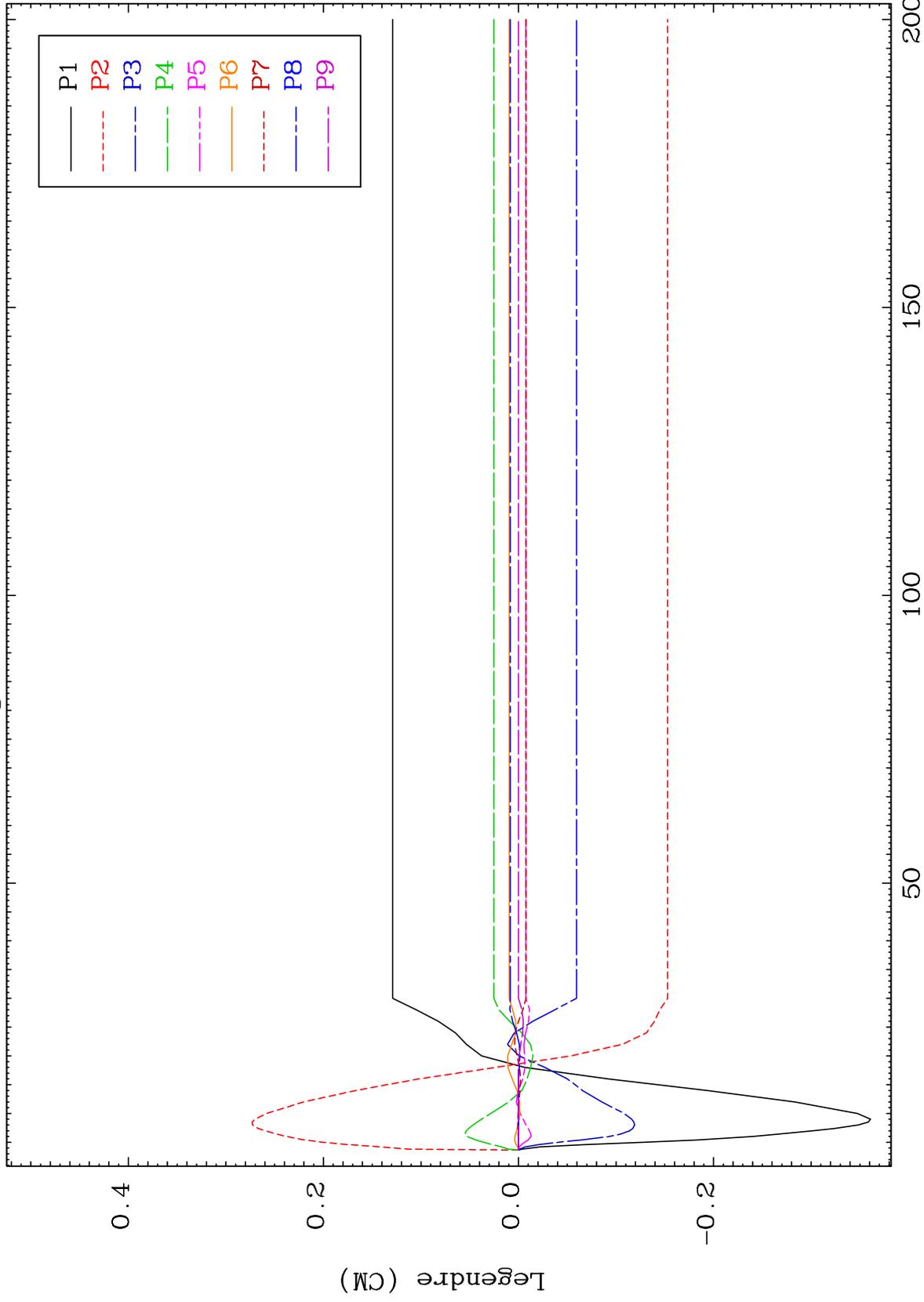
72-Hf-159



MAT 7180

MT= 59 (n,n') Level  
Legendre Coefficients

72-Hf-159



51

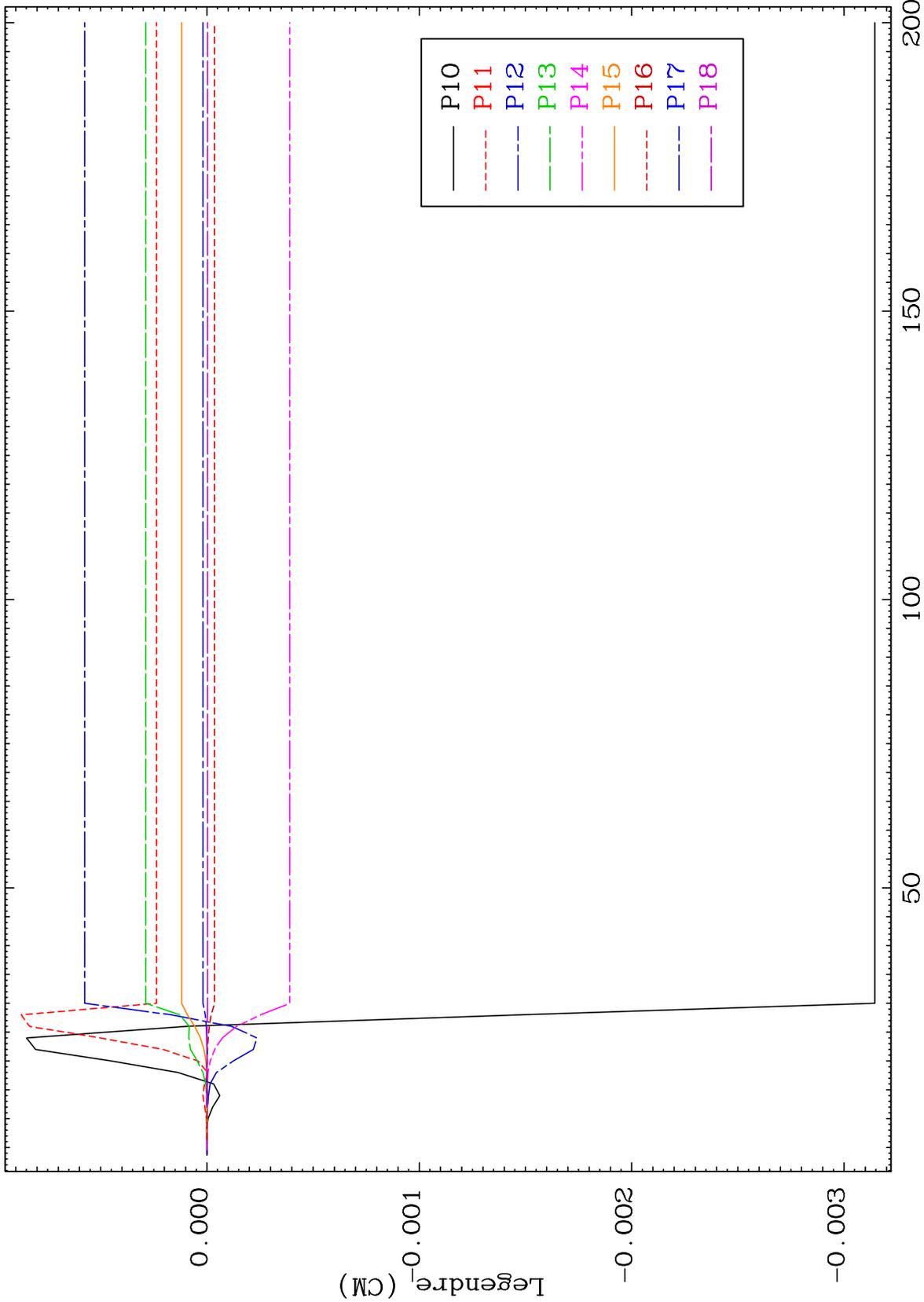
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 59 (n,n') Level  
Legendre Coefficients

72-Hf-159



52

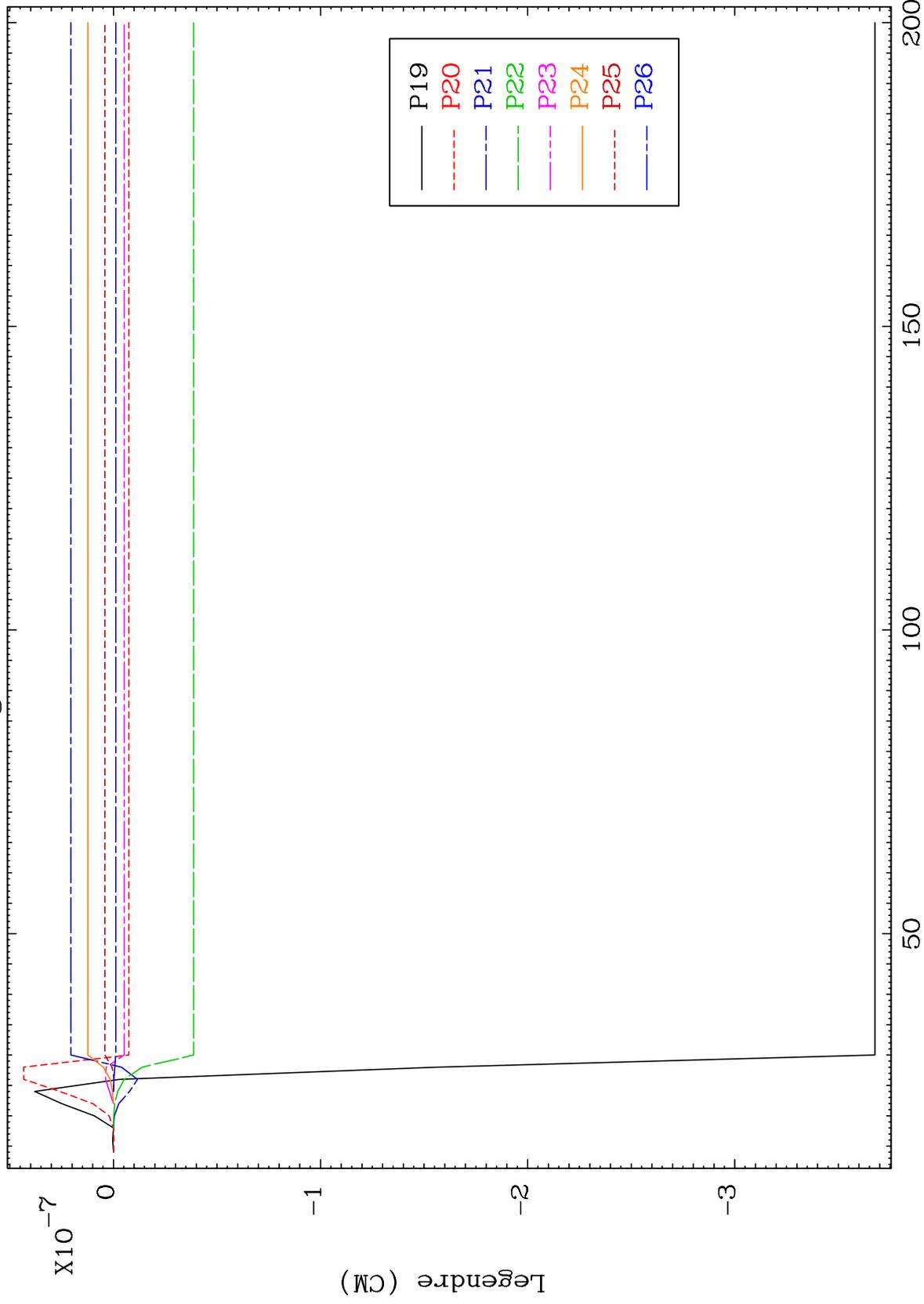
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 59 (n,n') Level  
Legendre Coefficients

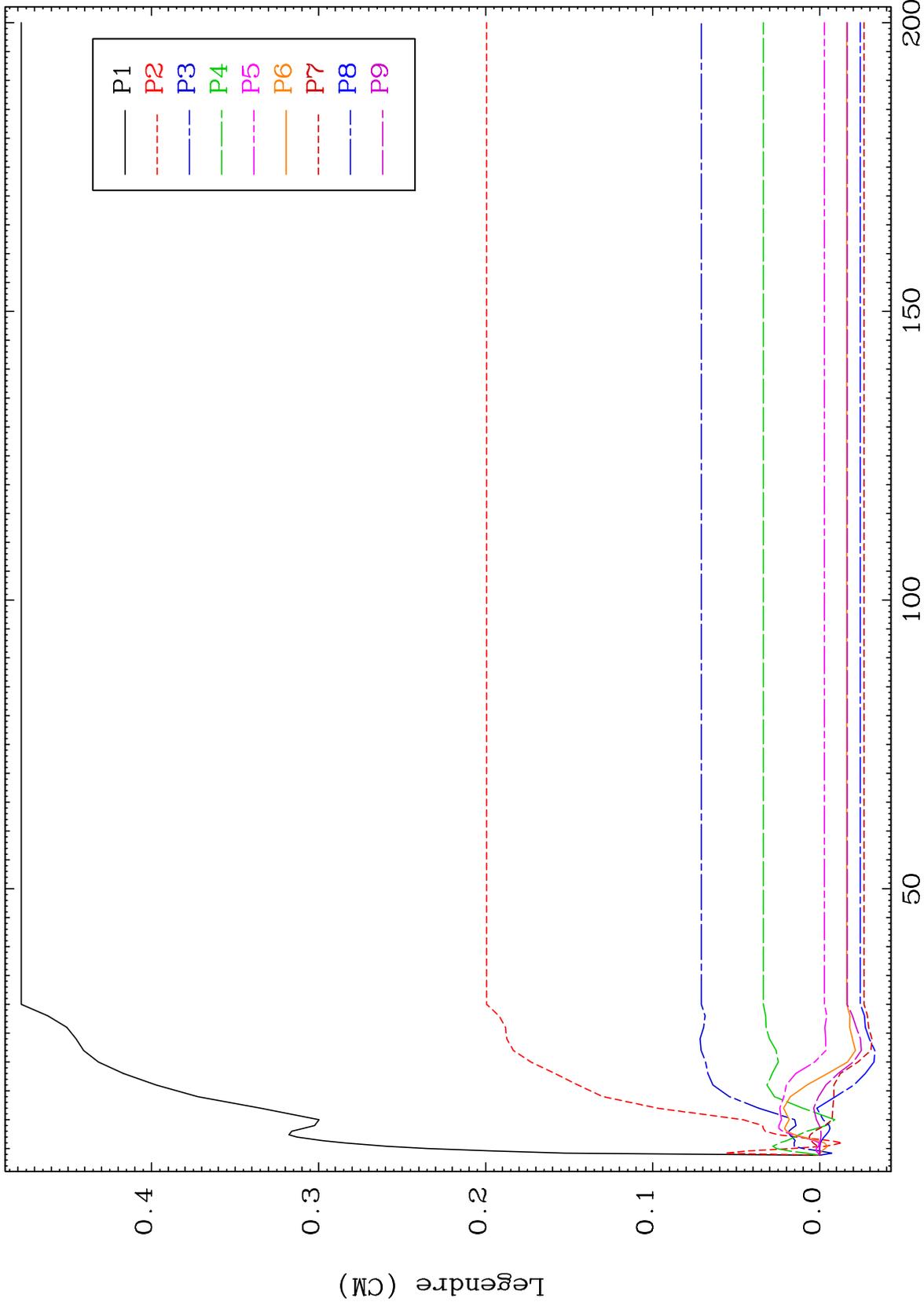
72-Hf-159



53

Incident Energy (MeV)

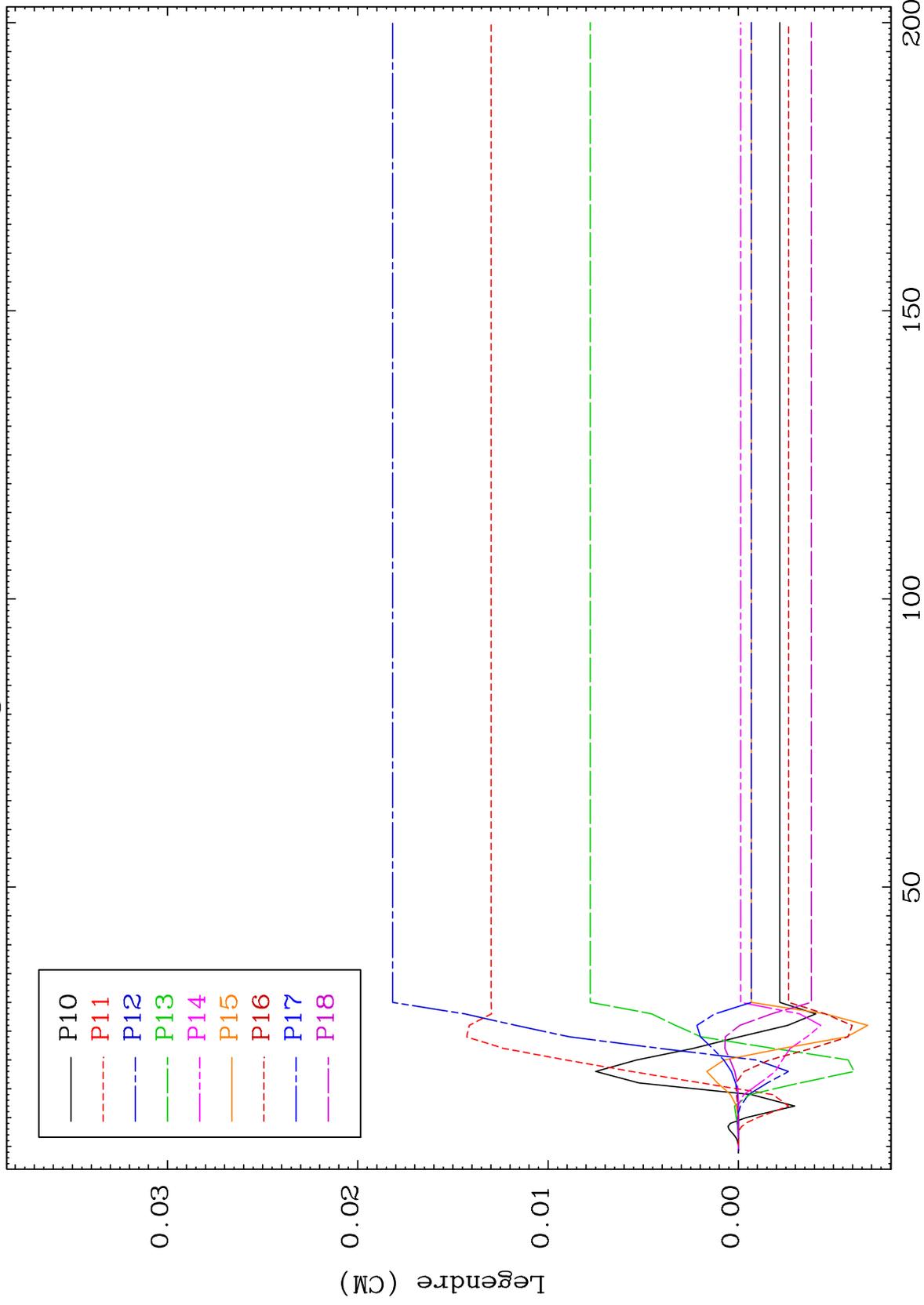
72-Hf-159



MAT 7180

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

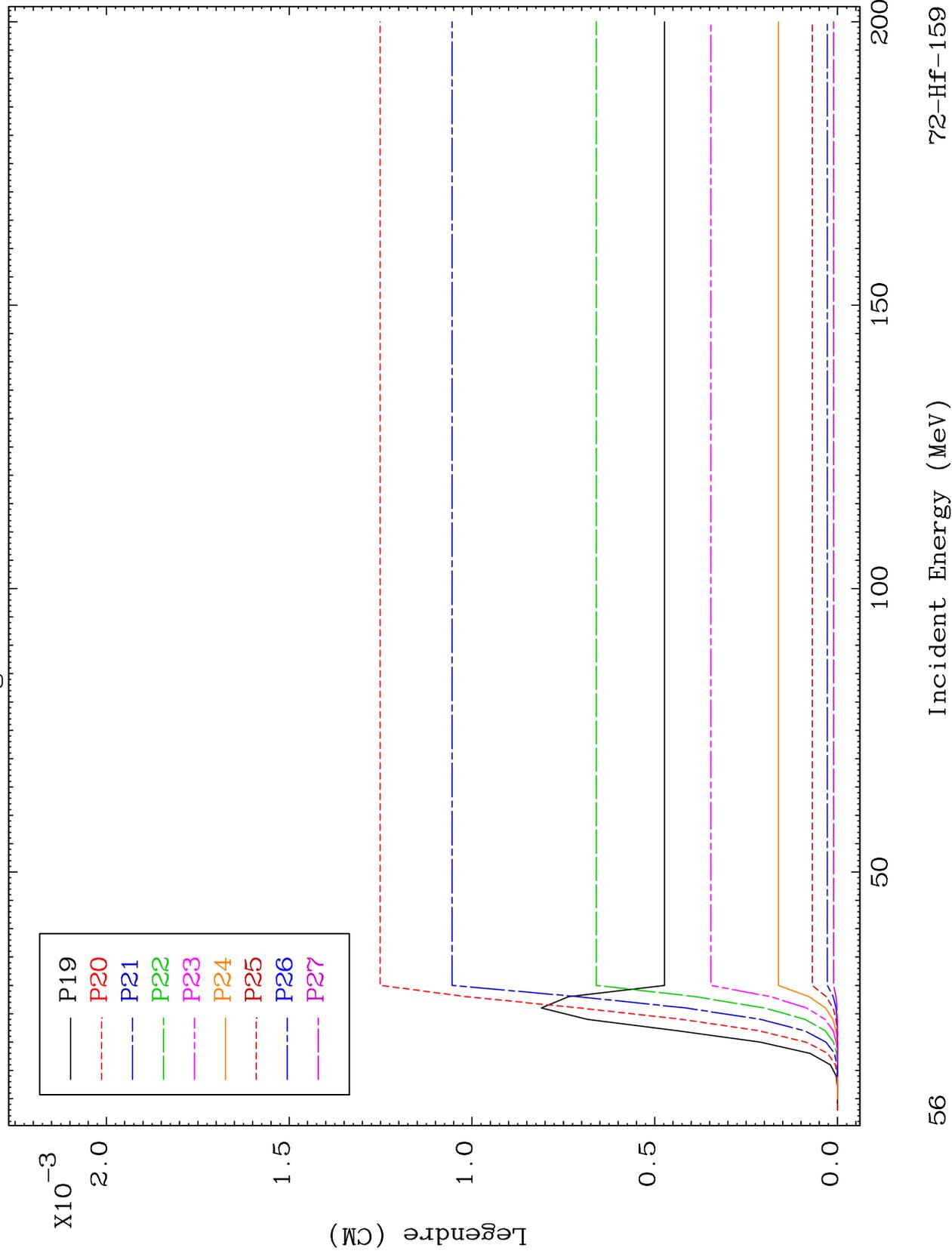
72-Hf-159



55

Incident Energy (MeV)

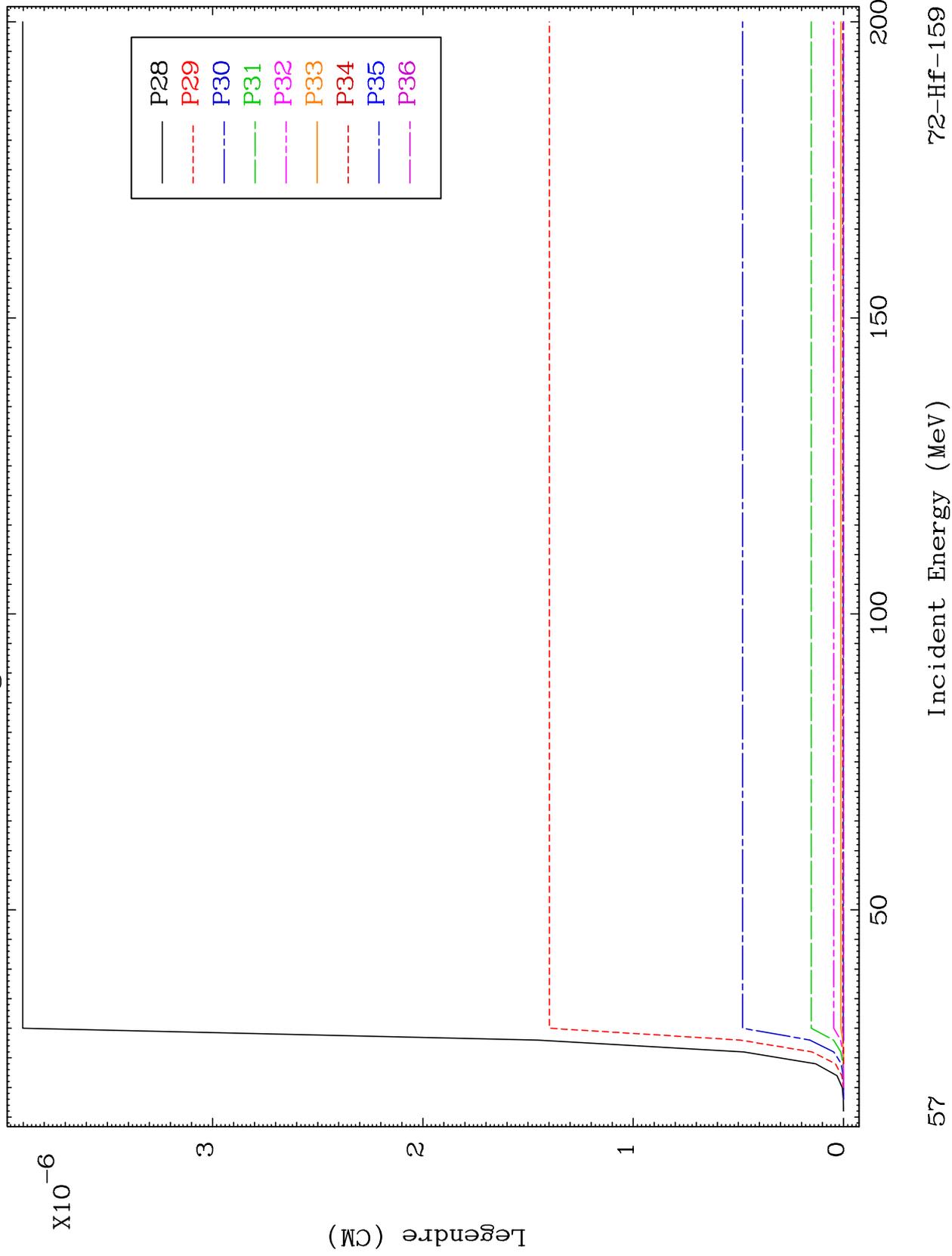
72-Hf-159



MAT 7180

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

72-Hf-159



57

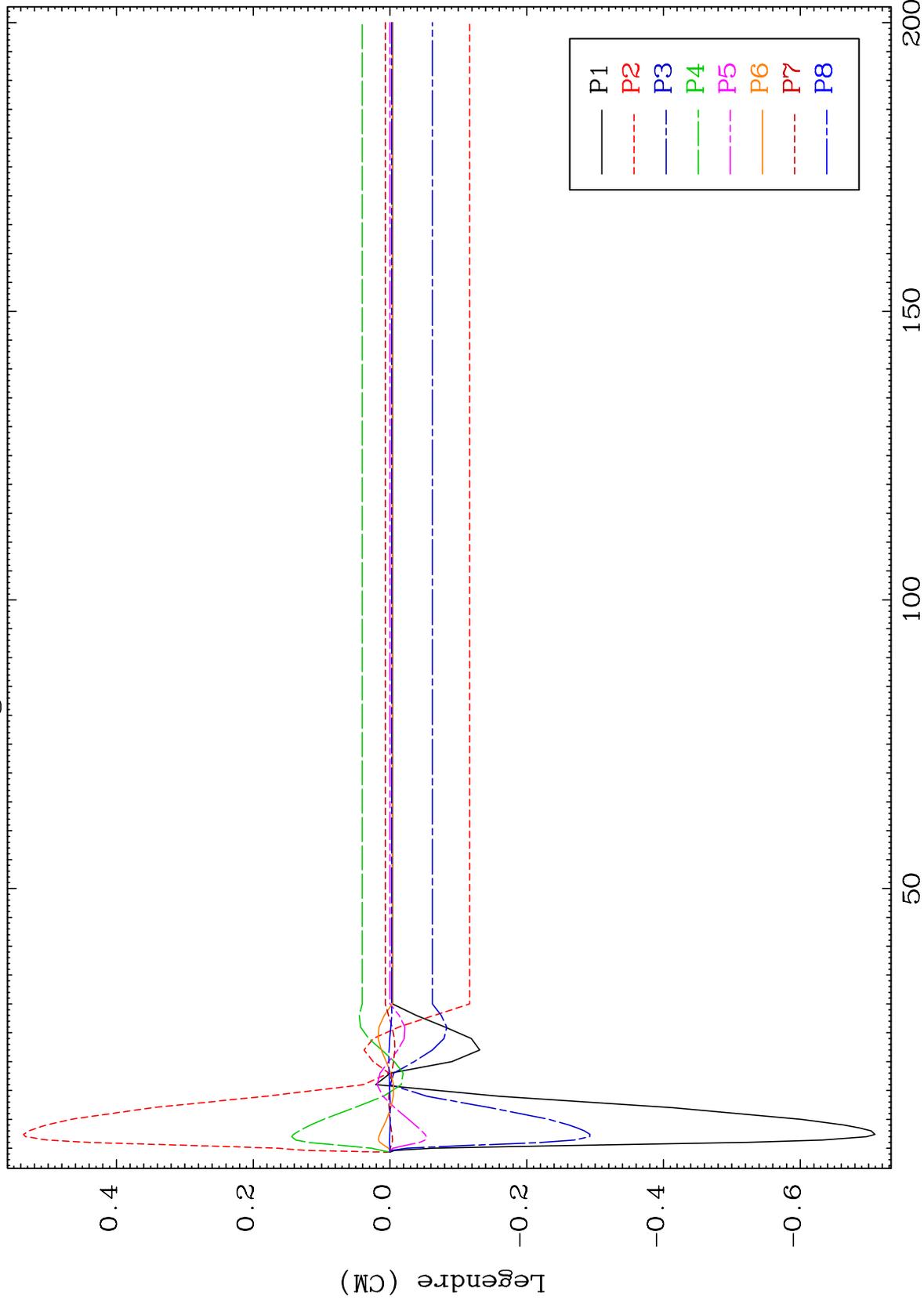
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 61 (n,n') Level  
Legendre Coefficients

72-Hf-159



58

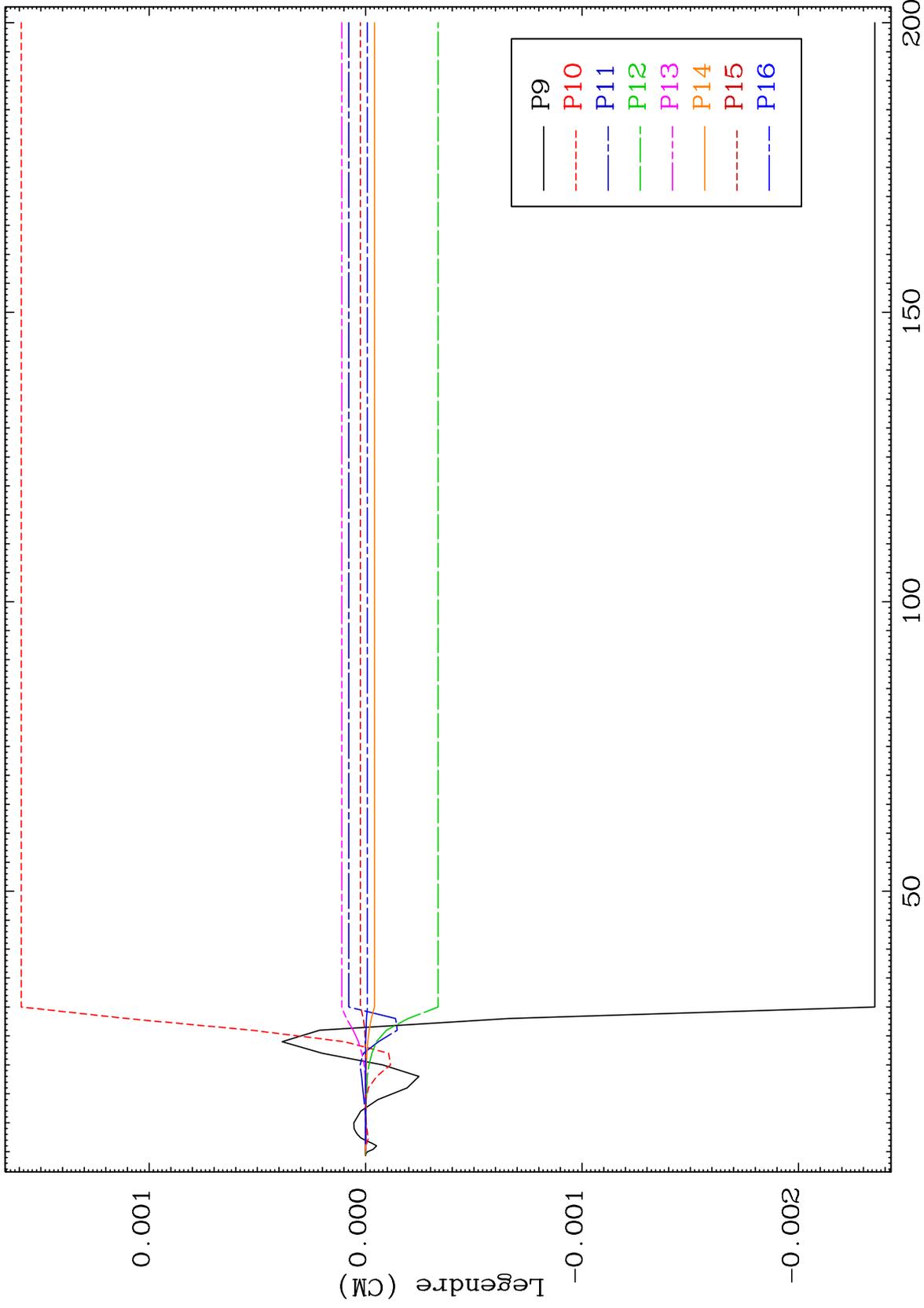
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 61 (n,n') Level  
Legendre Coefficients

72-Hf-159



59

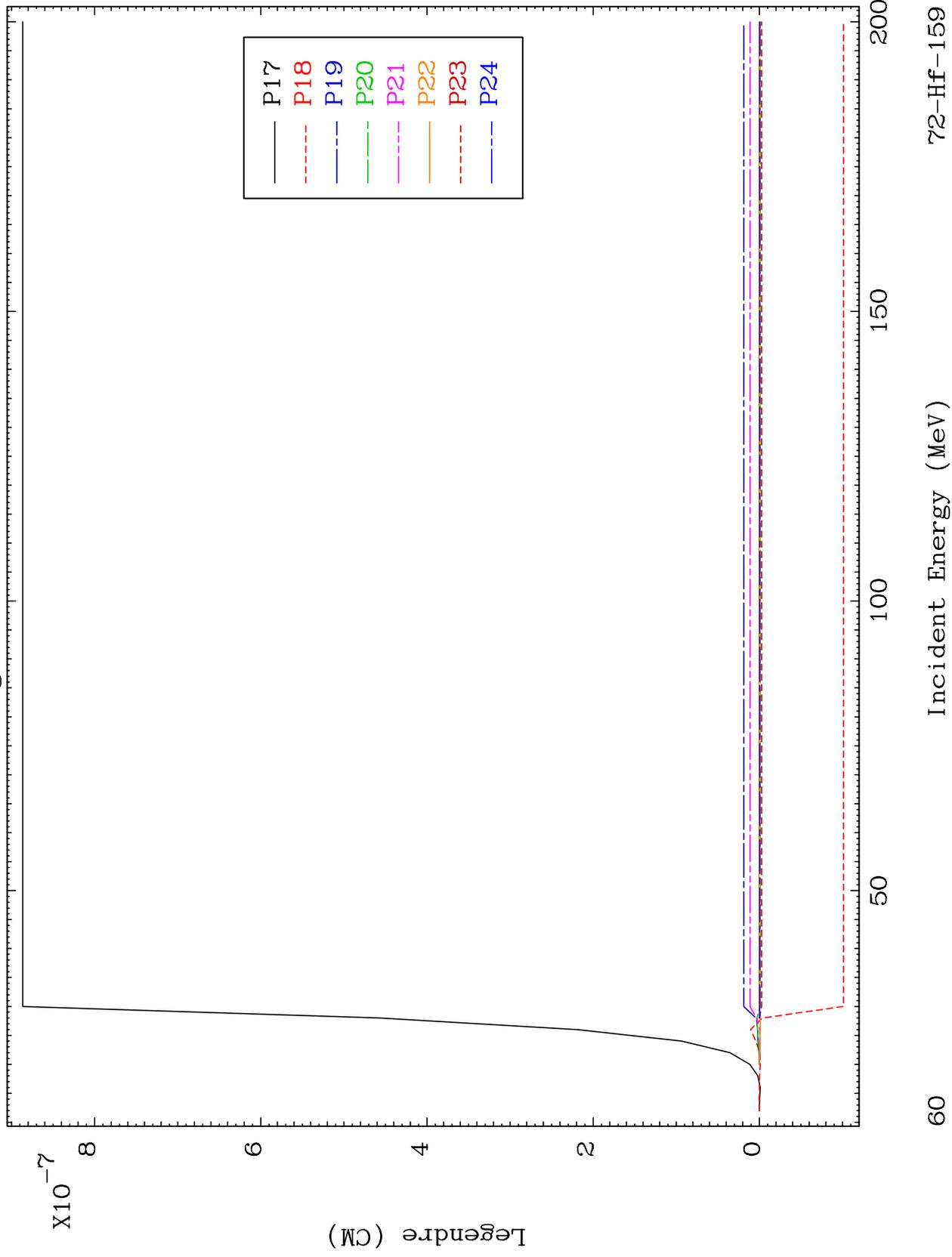
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 61 (n,n') Level  
Legendre Coefficients

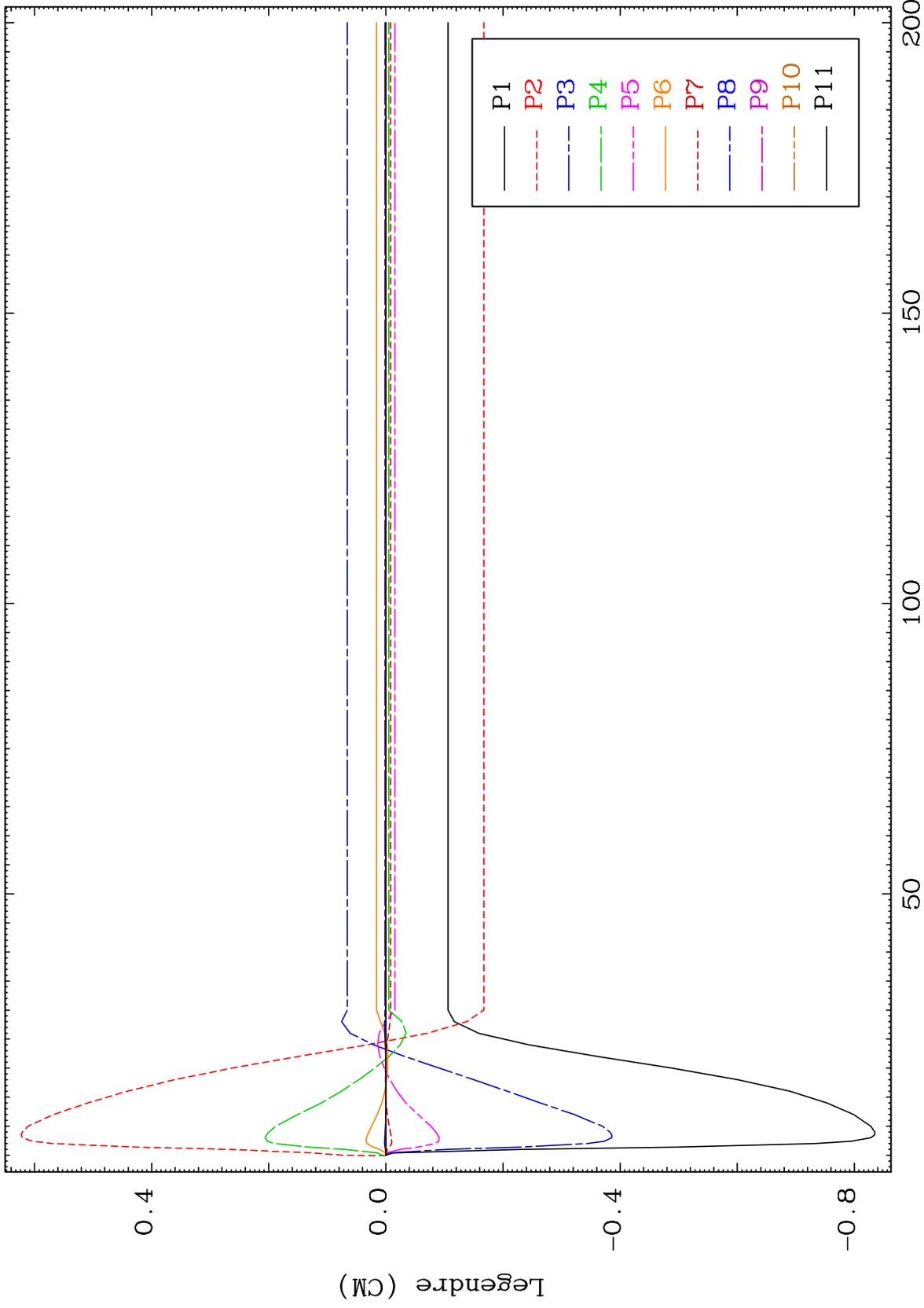
72-Hf-159



MAT 7180

MT= 62 (n,n') Level  
Legendre Coefficients

72-Hf-159



61

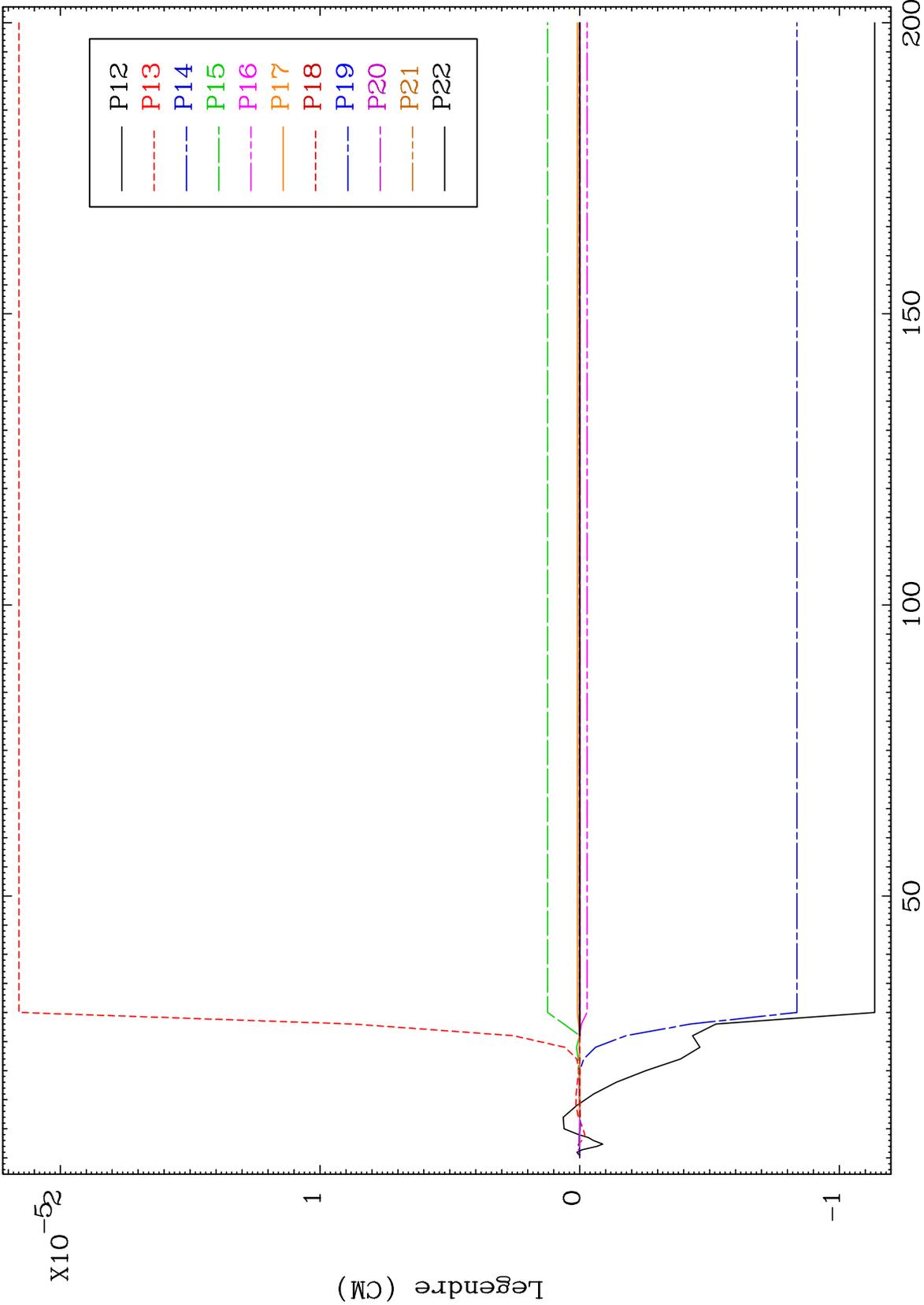
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 62 (n,n') Level  
Legendre Coefficients

72-Hf-159



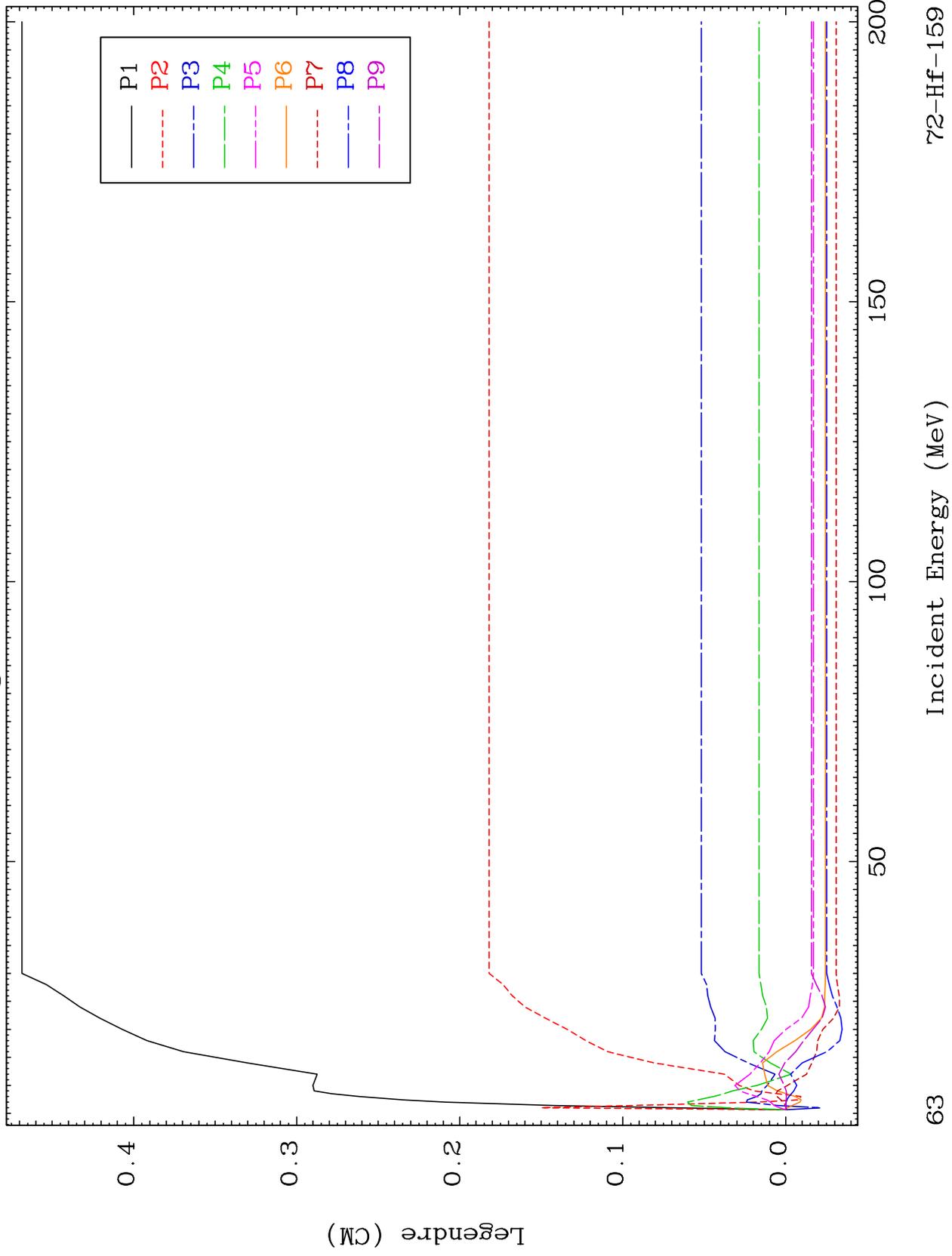
62

72-Hf-159

MAT 7180

MT= 63 (n,n') Level  
Legendre Coefficients

72-Hf-159



63

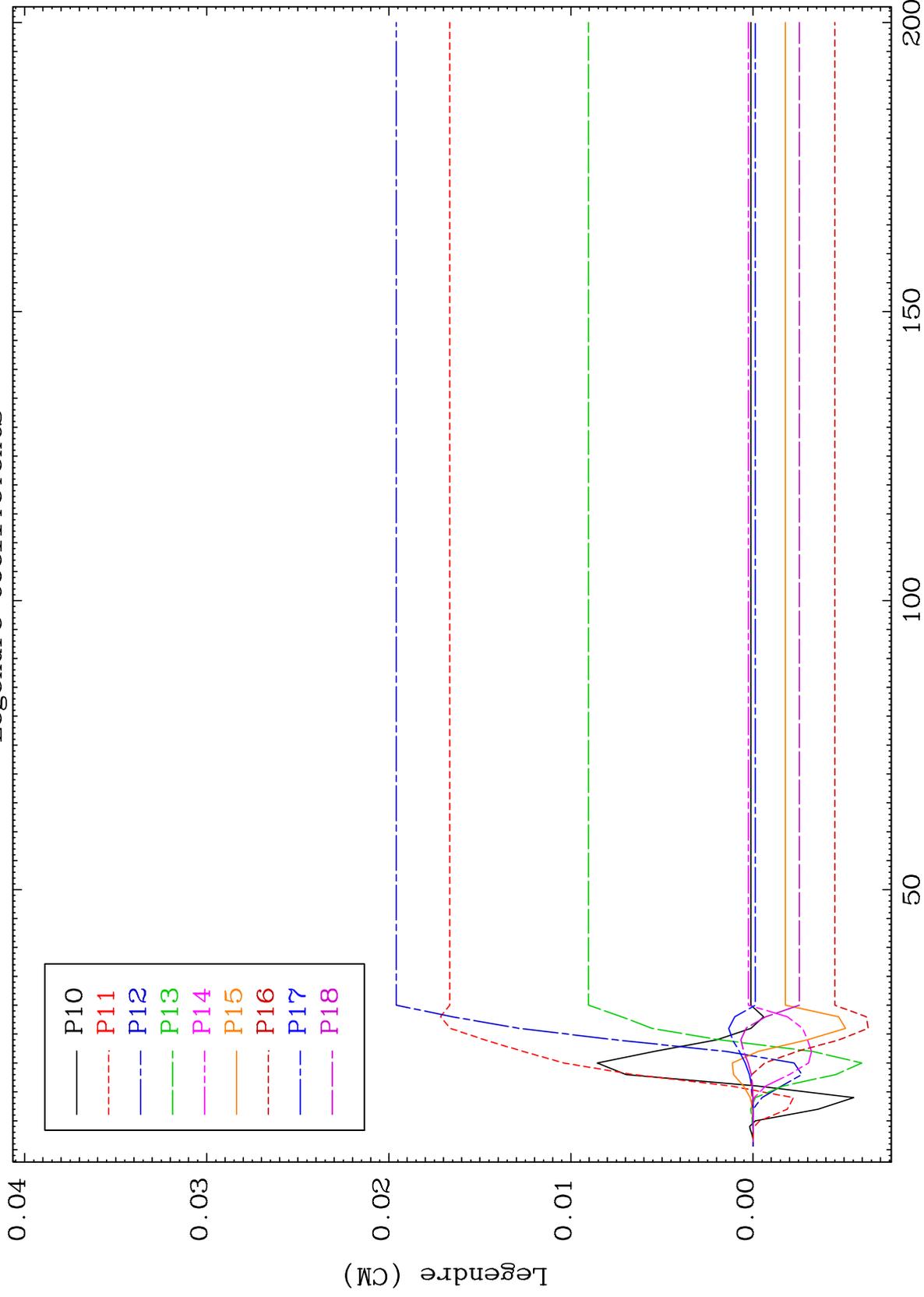
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 63 (n,n') Level  
Legendre Coefficients

72-Hf-159



64

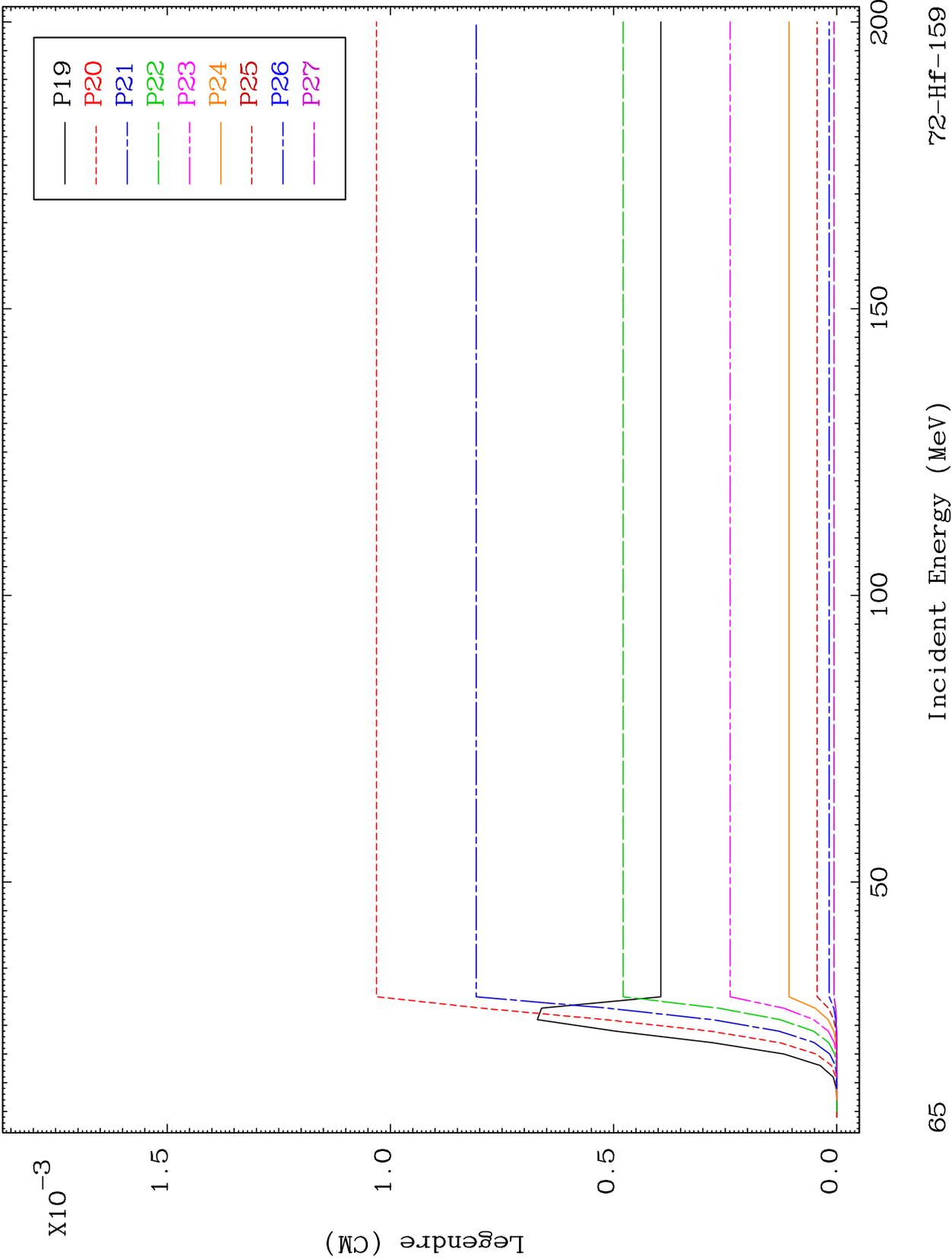
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 63 (n,n') Level  
Legendre Coefficients

72-Hf-159



65

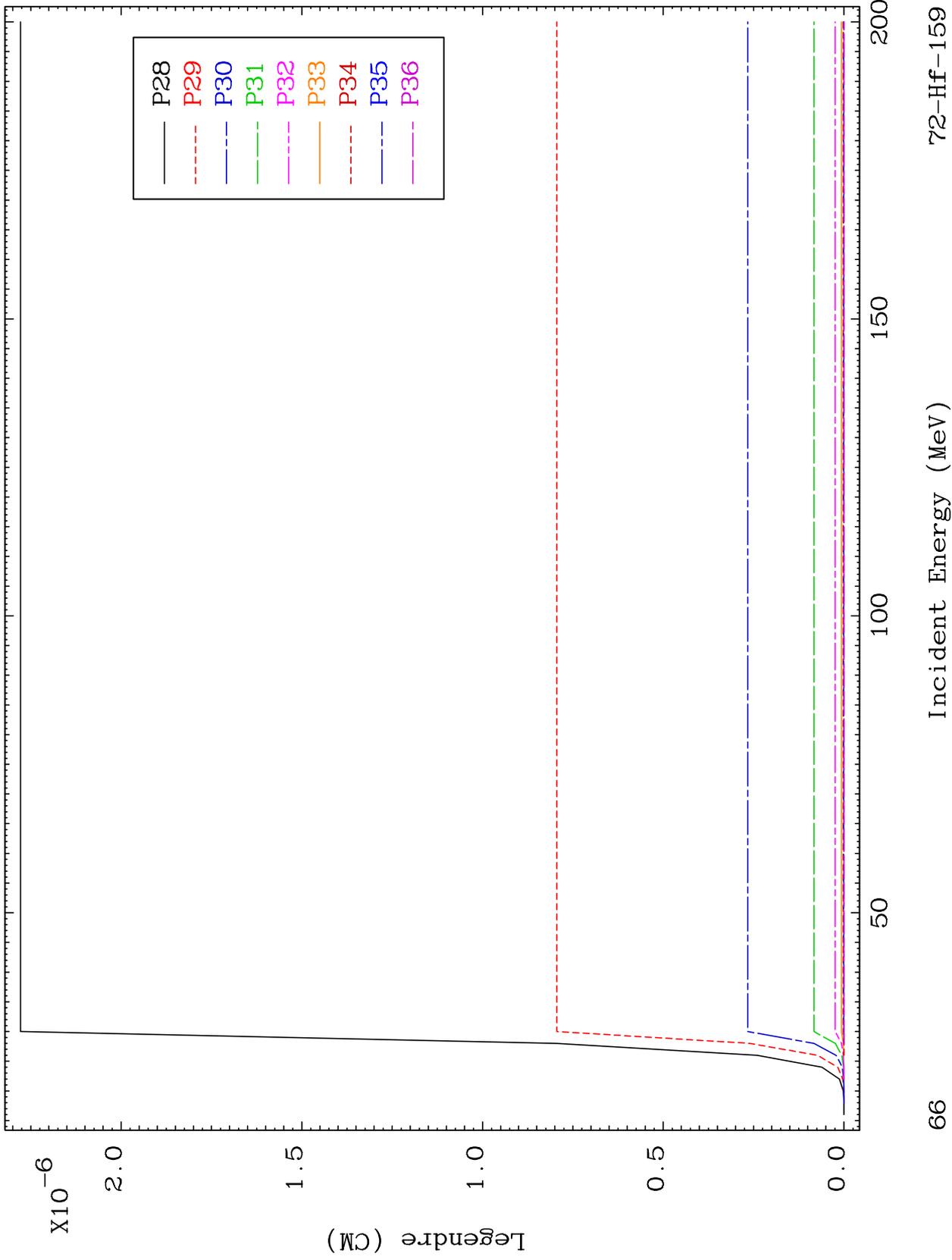
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 63 (n,n') Level  
Legendre Coefficients

72-Hf-159



66

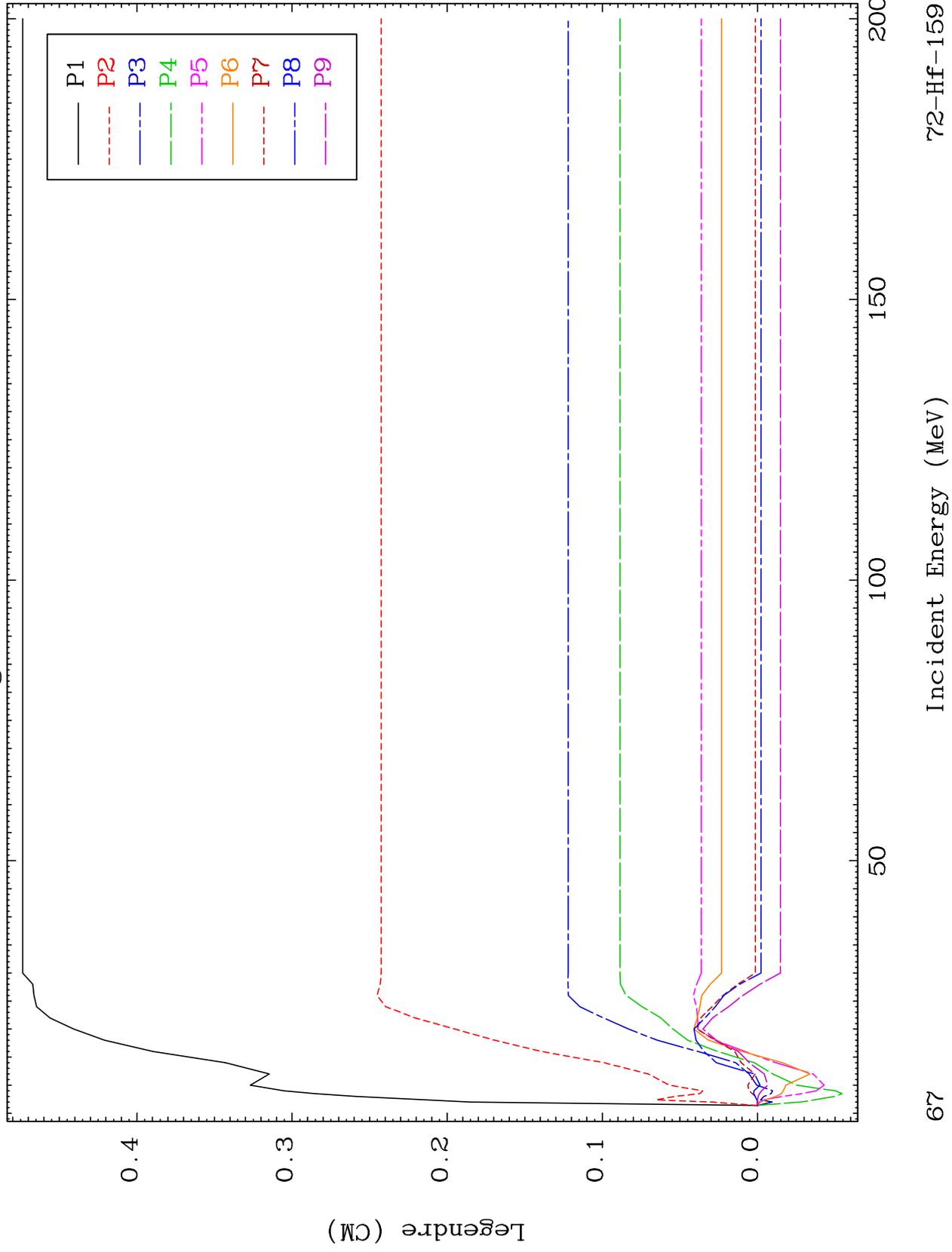
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 64 (n,n') Level  
Legendre Coefficients

72-Hf-159



72-Hf-159

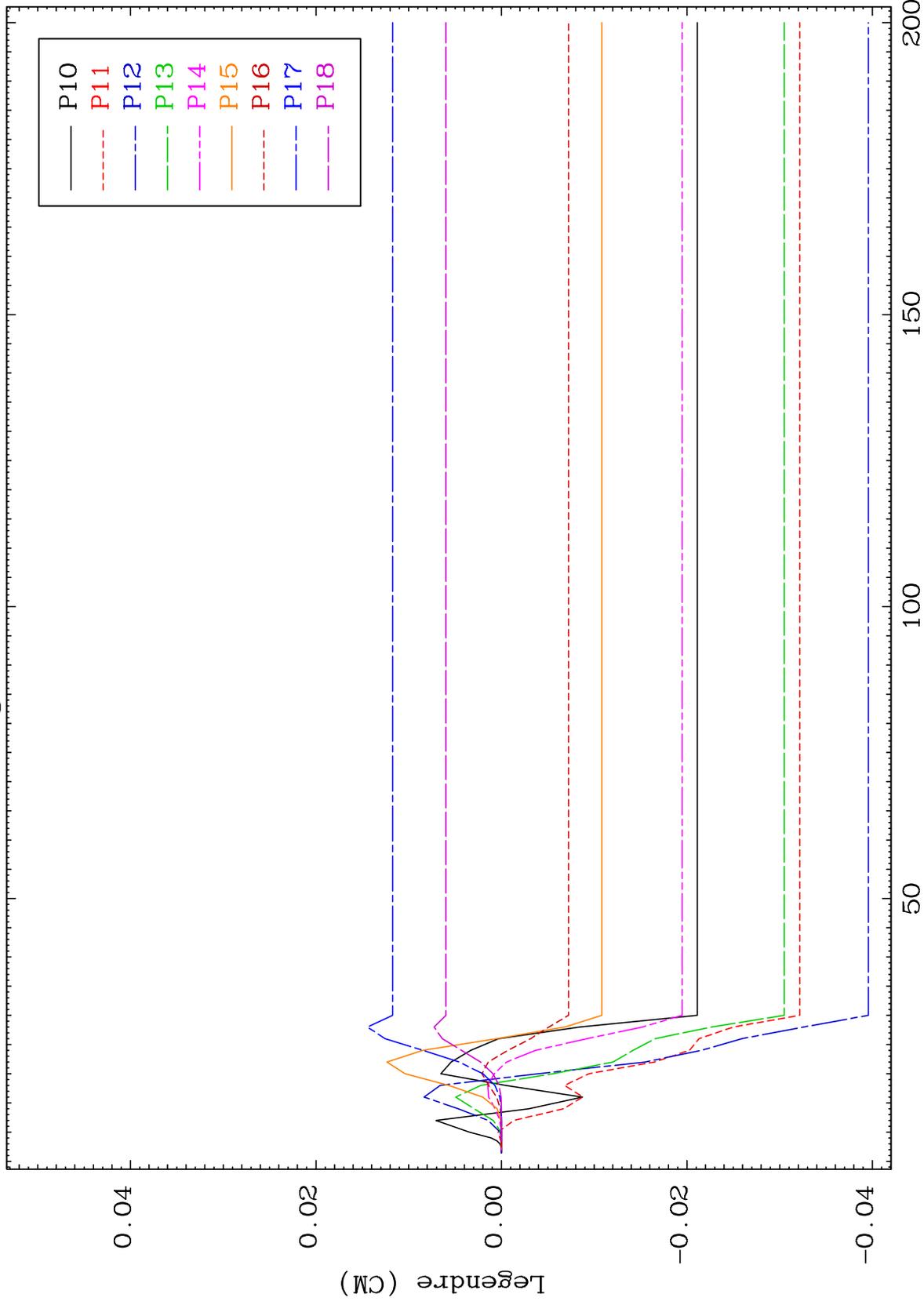
Incident Energy (MeV)

67

MAT 7180

MT= 64 (n,n') Level  
Legendre Coefficients

72-Hf-159



68

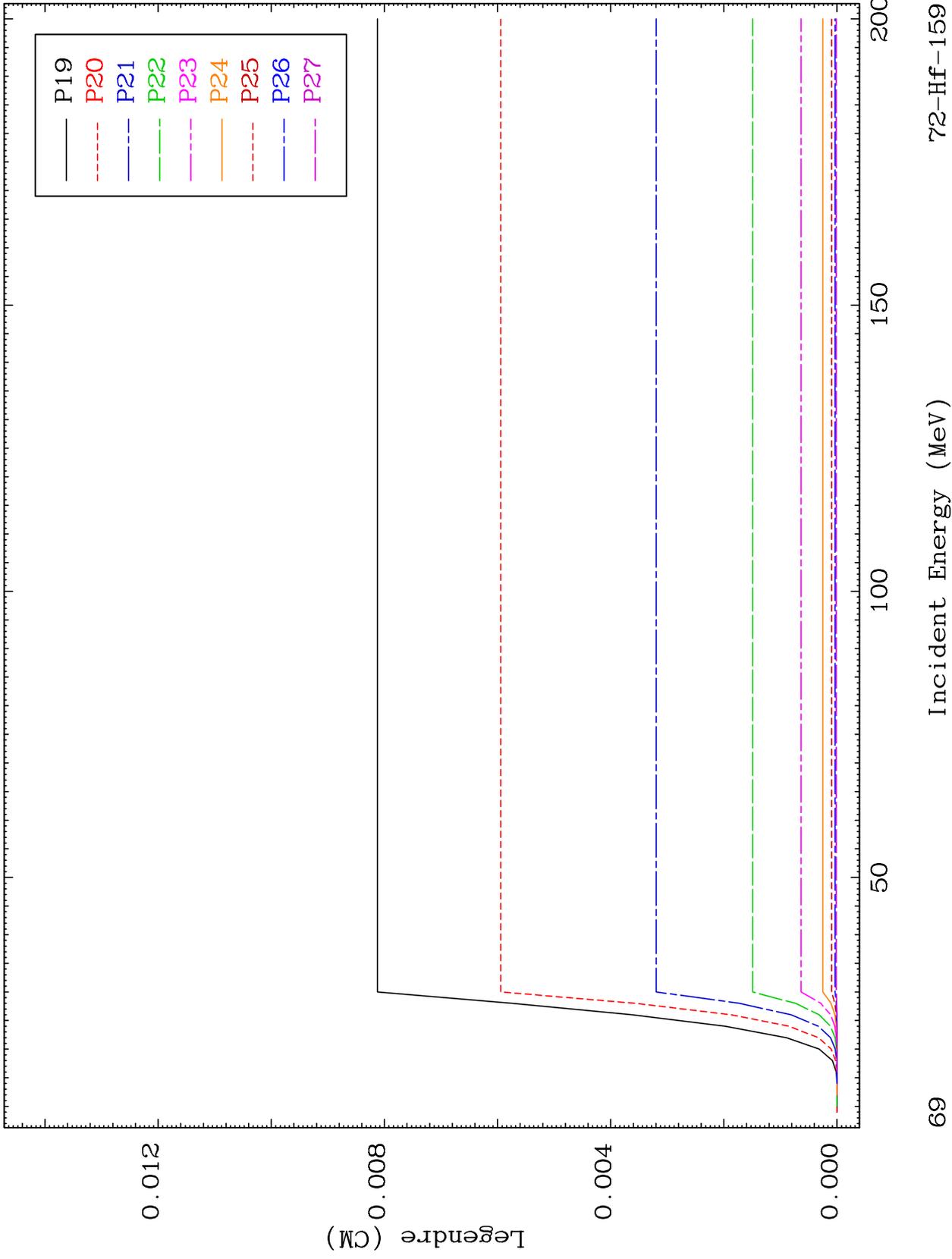
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 64 (n,n') Level  
Legendre Coefficients

72-Hf-159



69

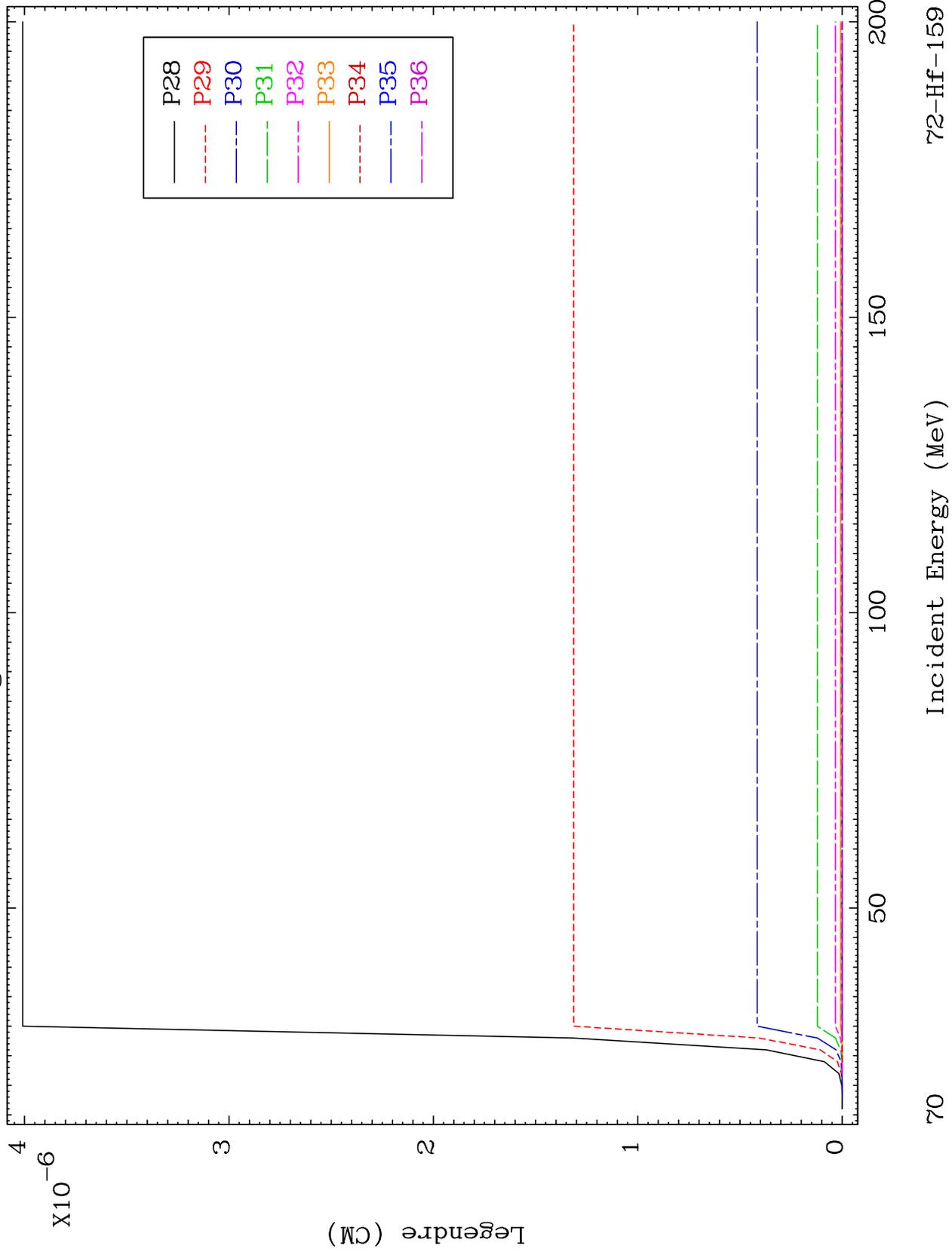
Incident Energy (MeV)

72-Hf-159

MAT 7180

MT= 64 (n,n') Level  
Legendre Coefficients

72-Hf-159

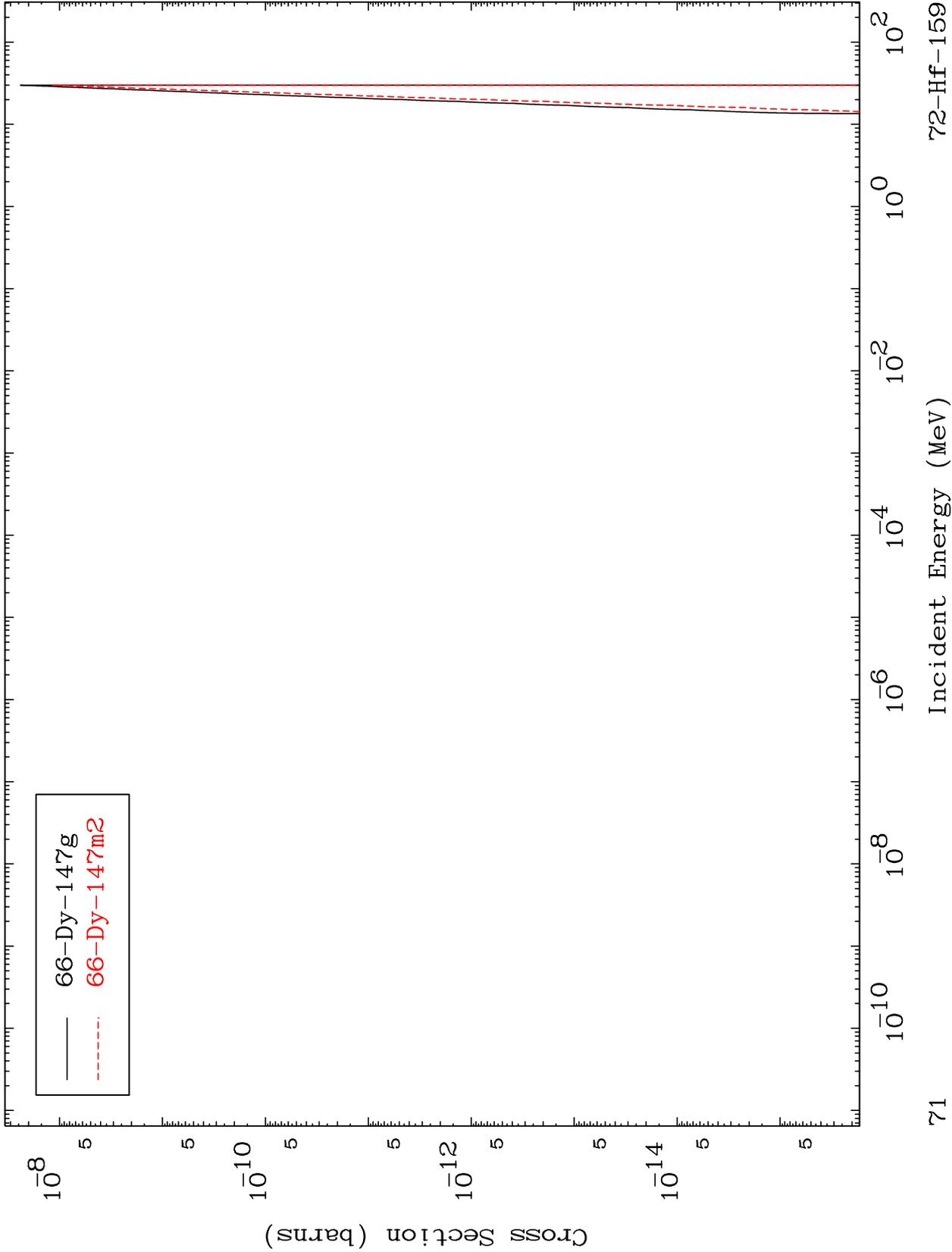


MAT 7180

(n,n') 3 $\alpha$

72-Hf-159

Radionuclide Production Cross Section



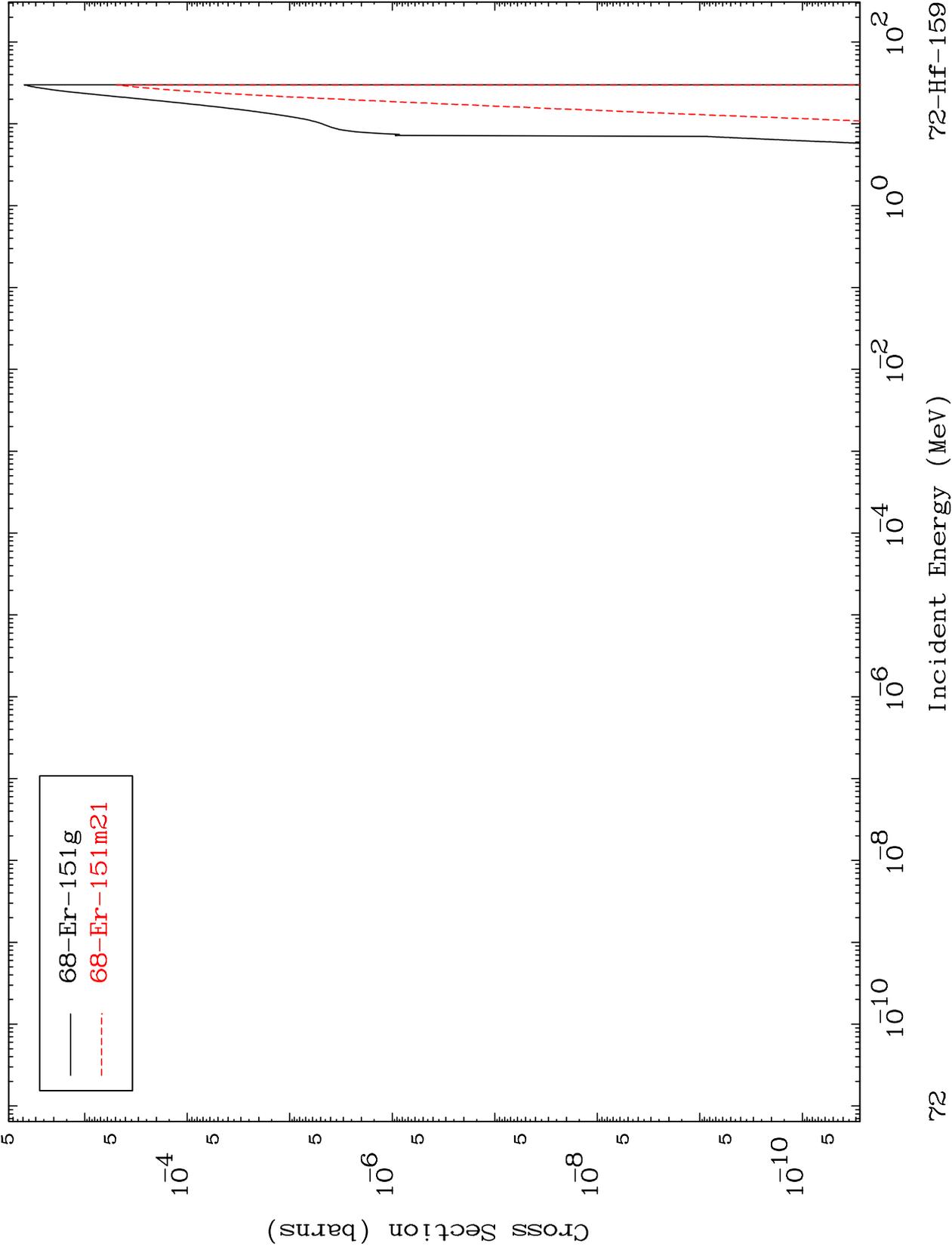
71

MAT 7180

(n,n') 2α

72-Hf-159

Radionuclide Production Cross Section



72

Incident Energy (MeV)

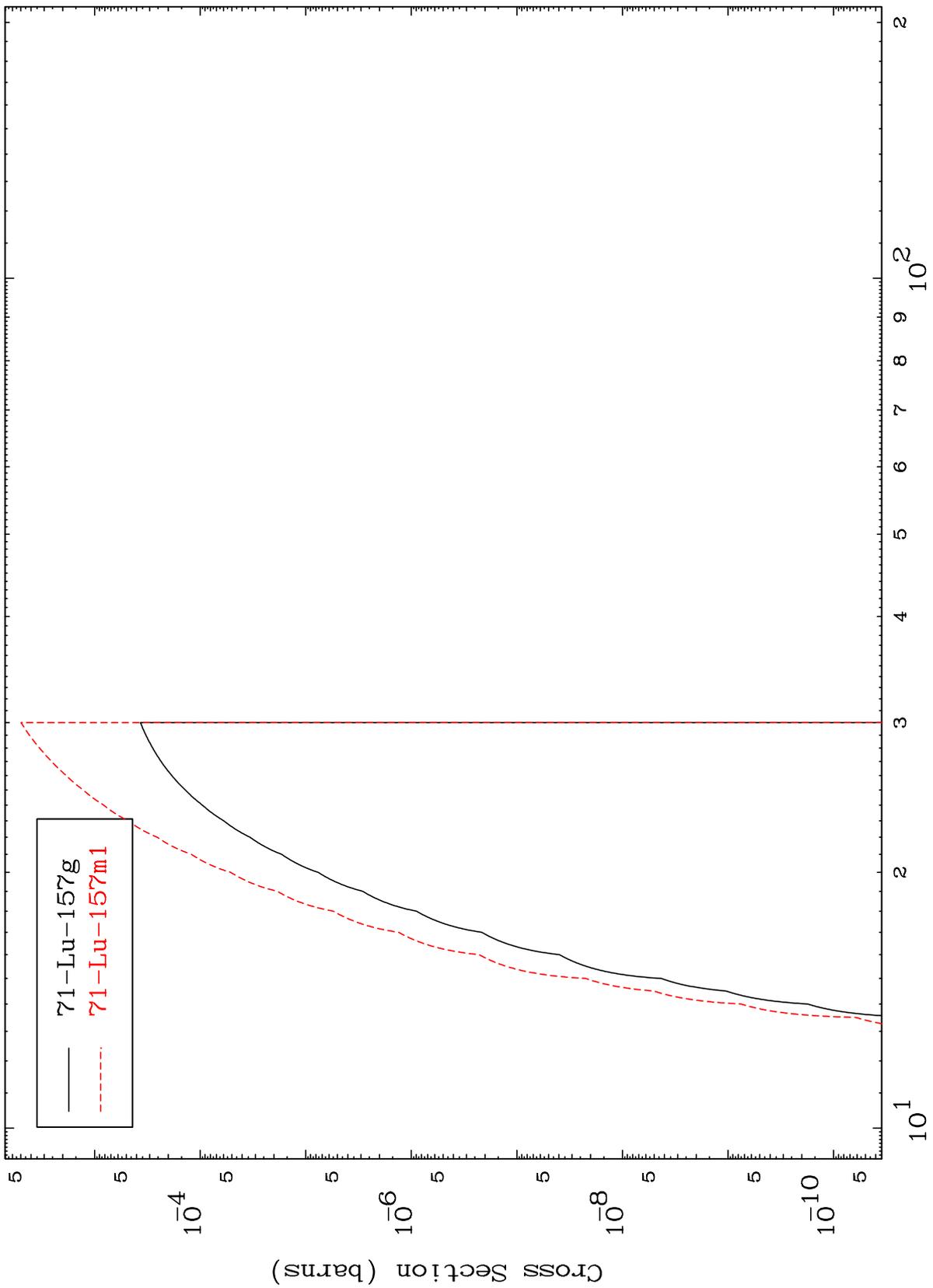
72-Hf-159

MAT 7180

(n,n') d

72-Hf-159

Radionuclide Production Cross Section

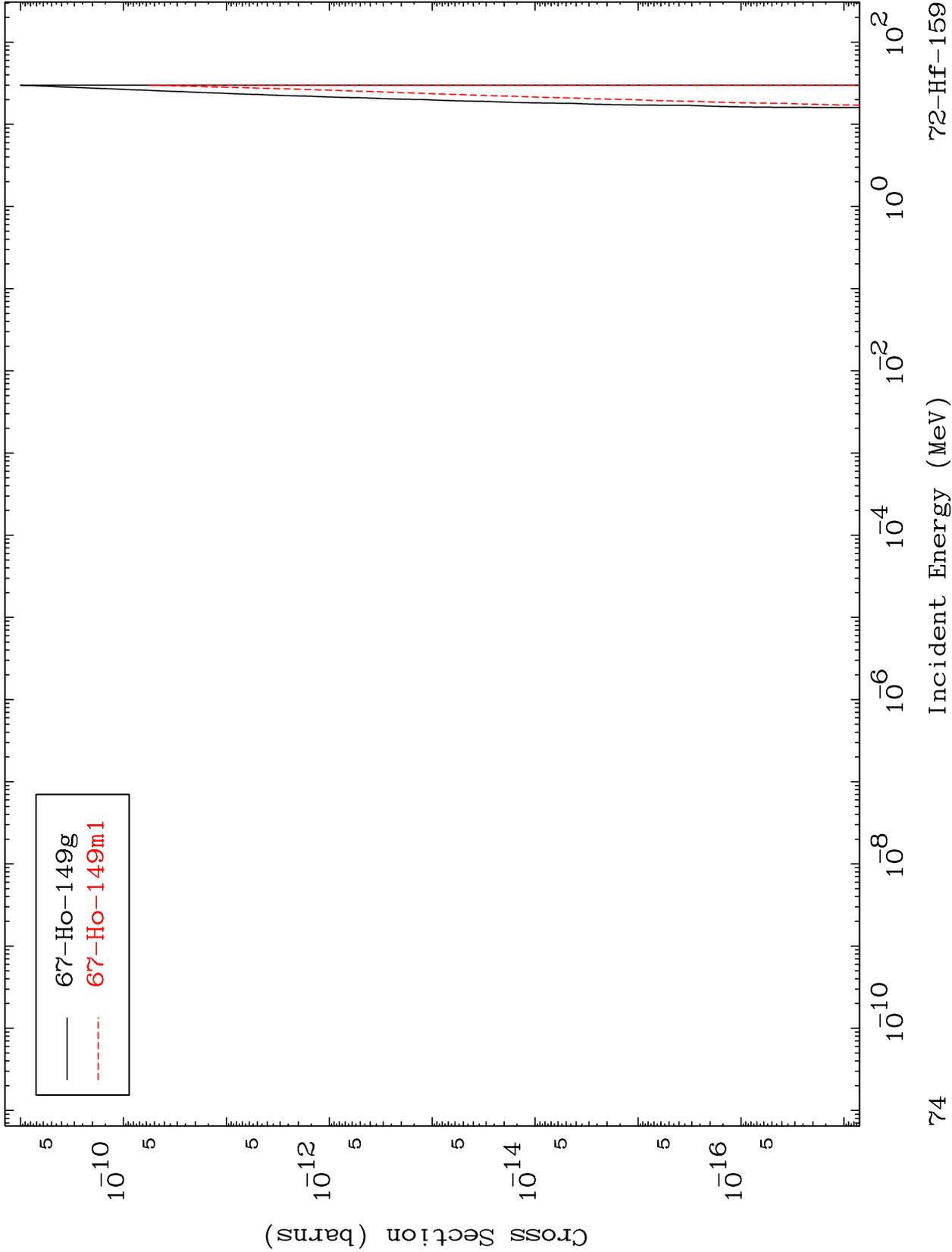


MAT 7180

(n,n') d,2α

72-Hf-159

Radionuclide Production Cross Section



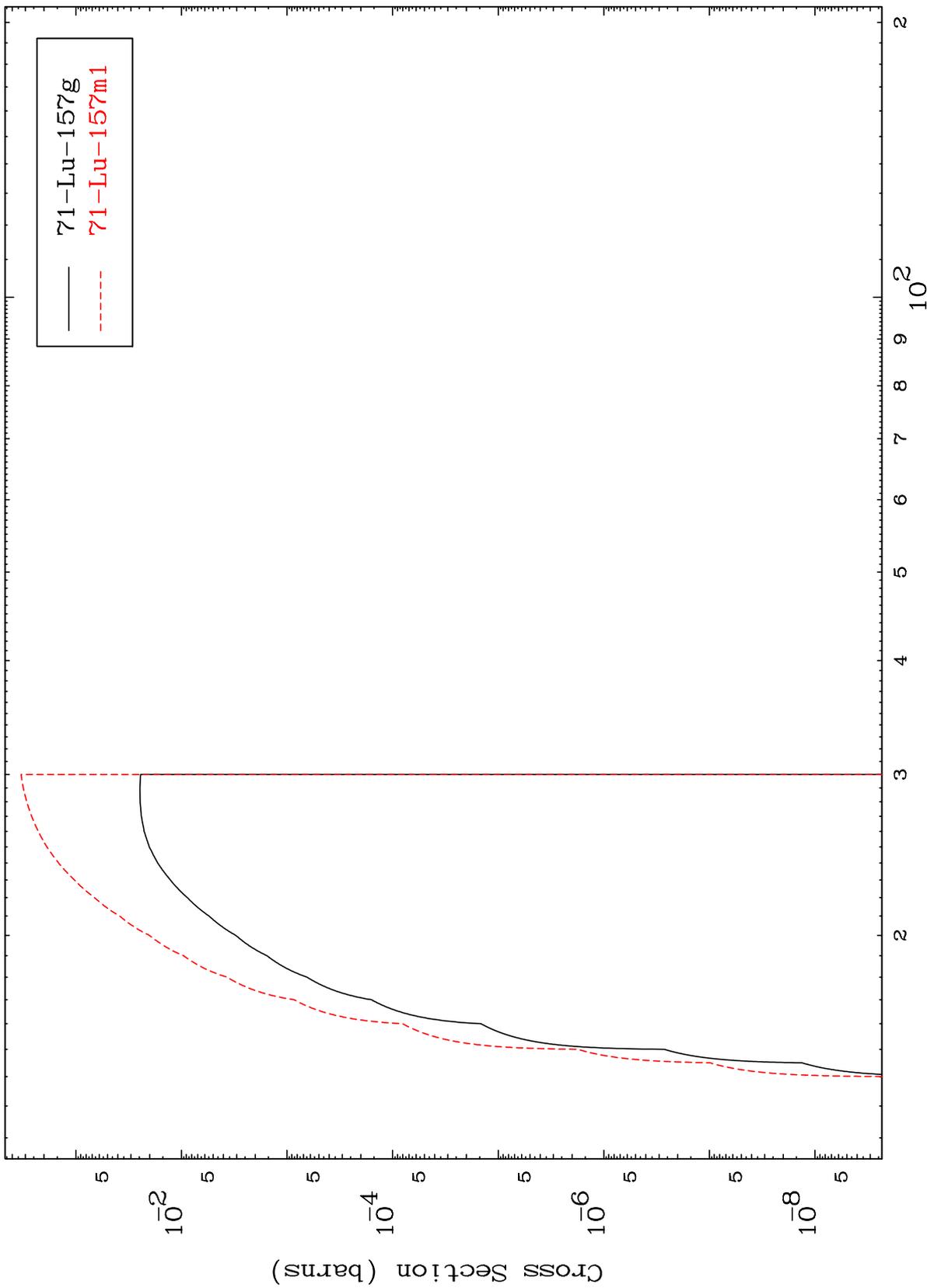
67-Ho-149g  
67-Ho-149m1

74

Incident Energy (MeV)

72-Hf-159

Radionuclide Production Cross Section

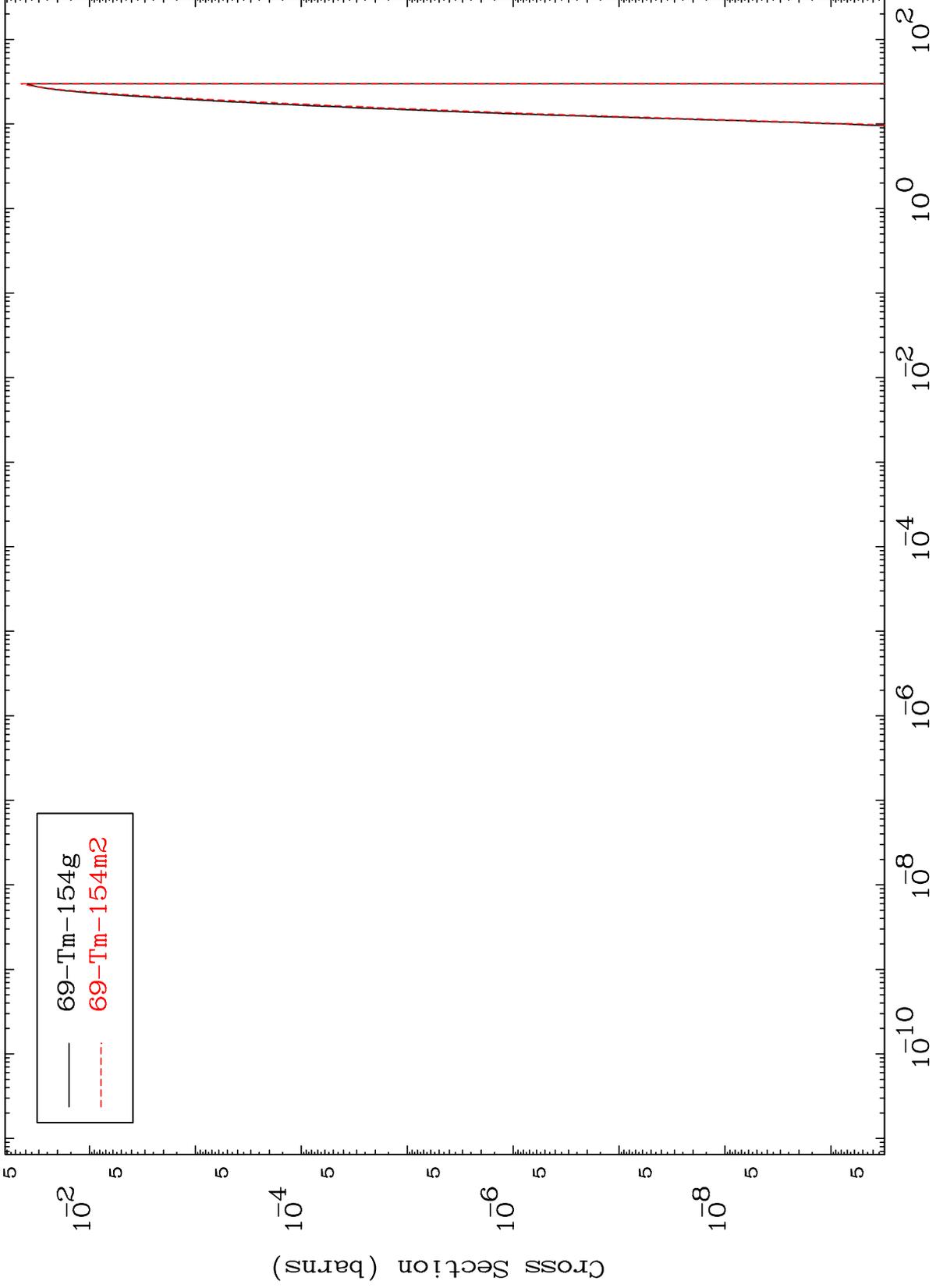


MAT 7180

(n,n') p  $\alpha$

72-Hf-159

Radionuclide Production Cross Section



69-Tm-154g  
69-Tm-154m2

76

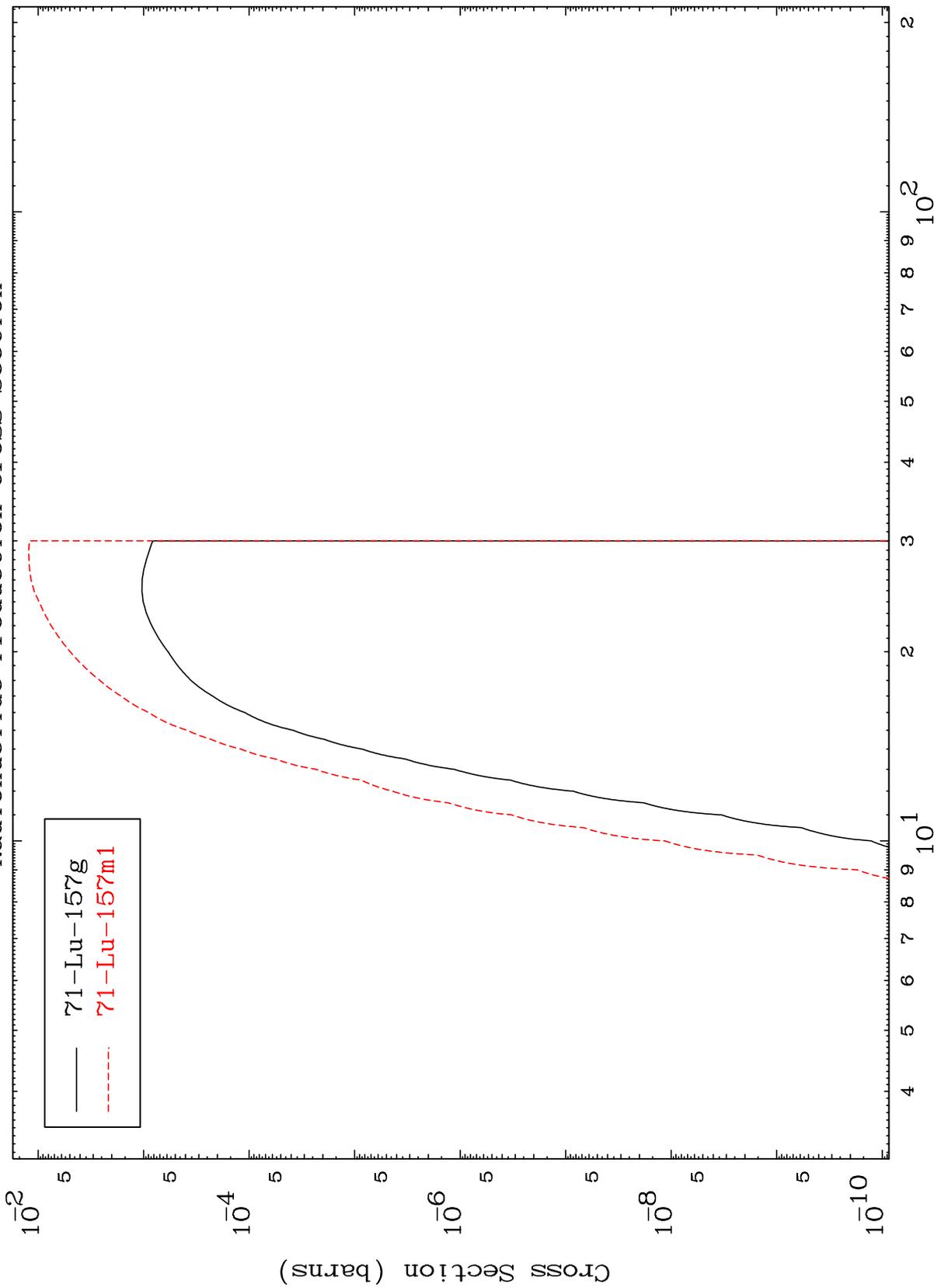
Incident Energy (MeV)

72-Hf-159

MAT 7180

72-Hf-159

(n, t)  
Radionuclide Production Cross Section



71-Lu-157g  
71-Lu-157m1

77

Incident Energy (MeV)

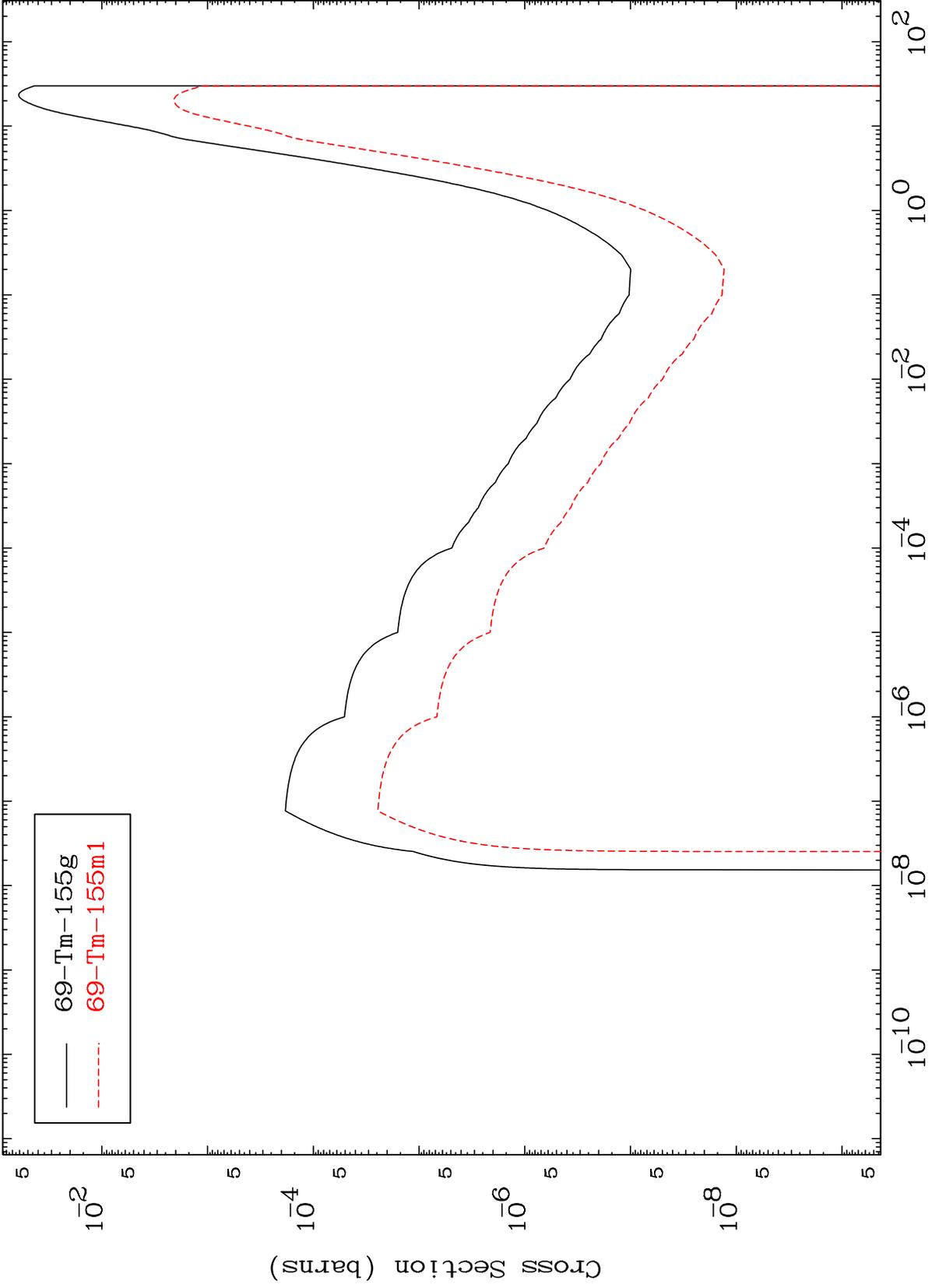
72-Hf-159

MAT 7180

(n,p)  $\alpha$

72-Hf-159

Radionuclide Production Cross Section



69-Tm-155g  
69-Tm-155m1

78

Incident Energy (MeV)

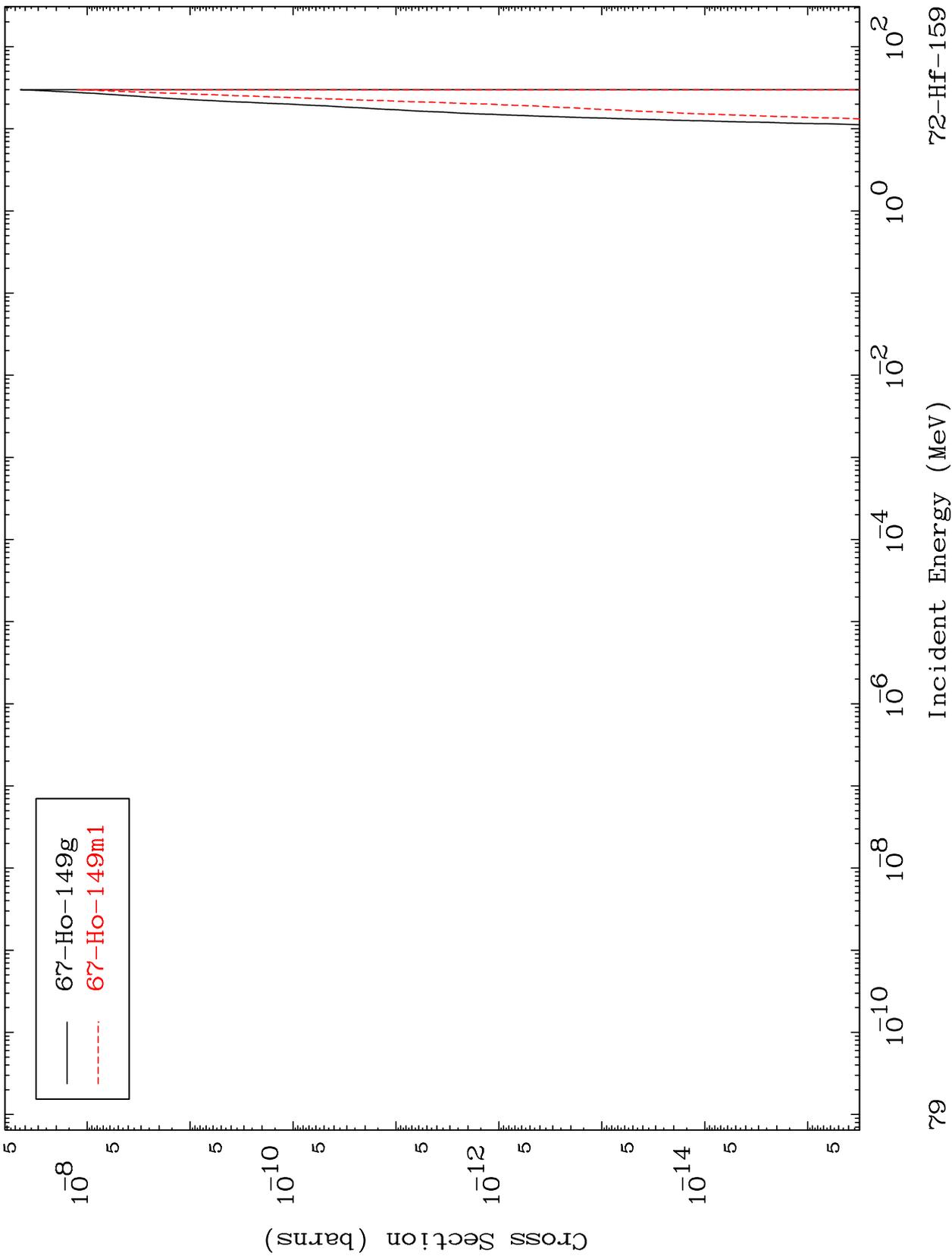
72-Hf-159

MAT 7180

(n,t) 2 $\alpha$

72-Hf-159

Radionuclide Production Cross Section



67-Ho-149g  
67-Ho-149m1

79

Incident Energy (MeV)

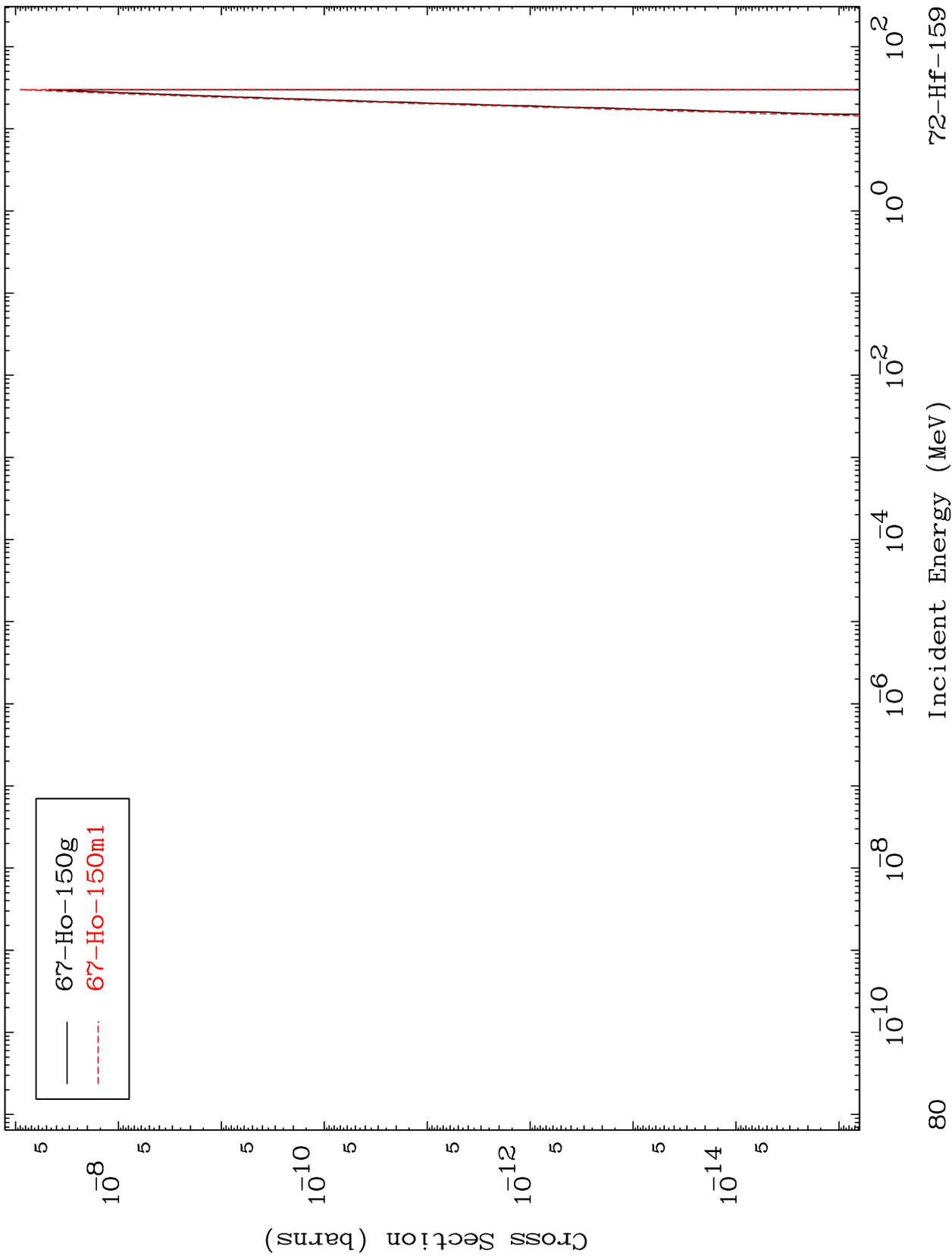
72-Hf-159

MAT 7180

(n,d) 2 $\alpha$

72-Hf-159

Radionuclide Production Cross Section



80

Incident Energy (MeV)

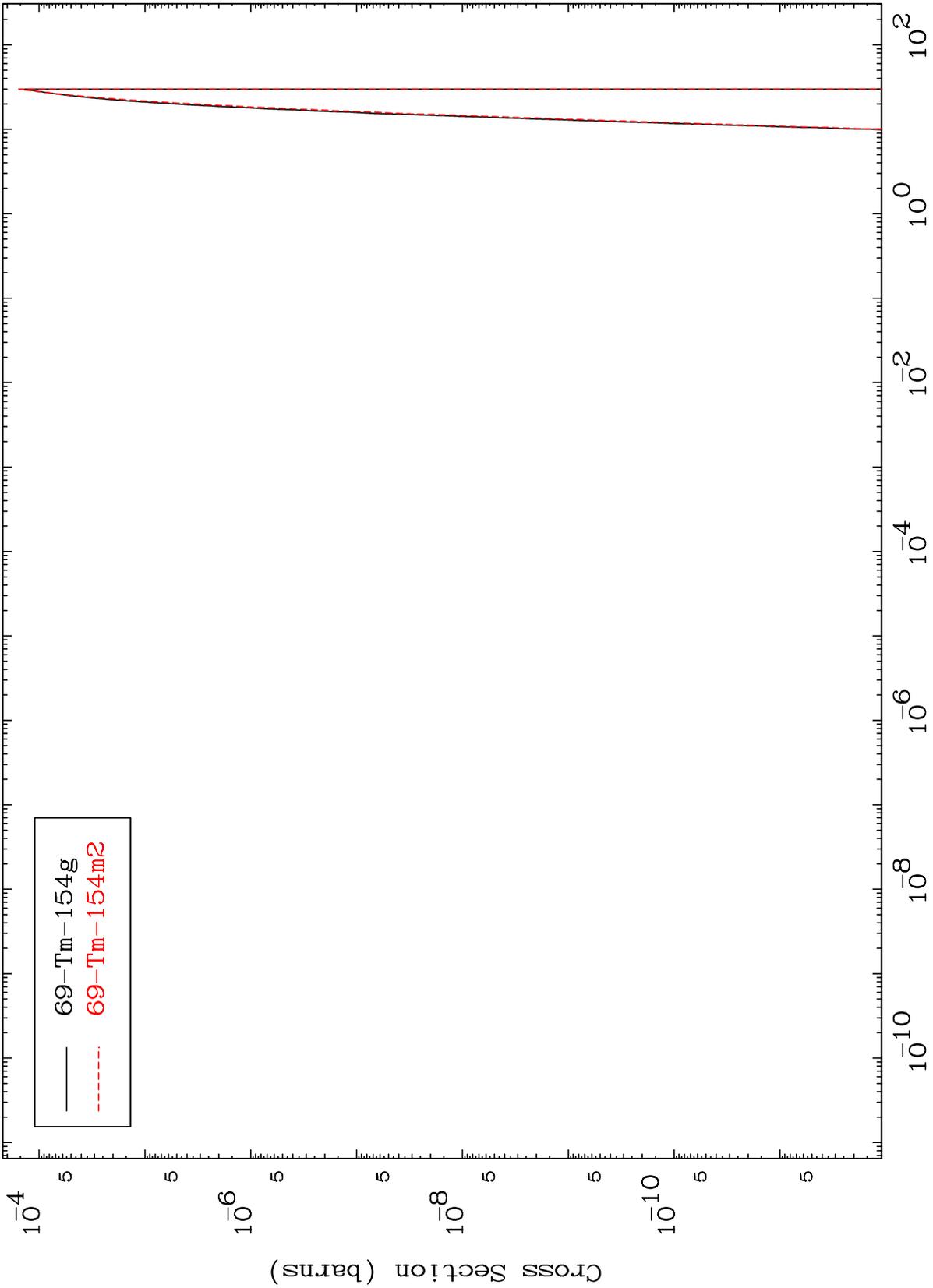
72-Hf-159

MAT 7180

(n,d)  $\alpha$

72-Hf-159

Radionuclide Production Cross Section



69-Tm-154g  
69-Tm-154m2