

Program EVALPLOT
(Version 2015-2)

by

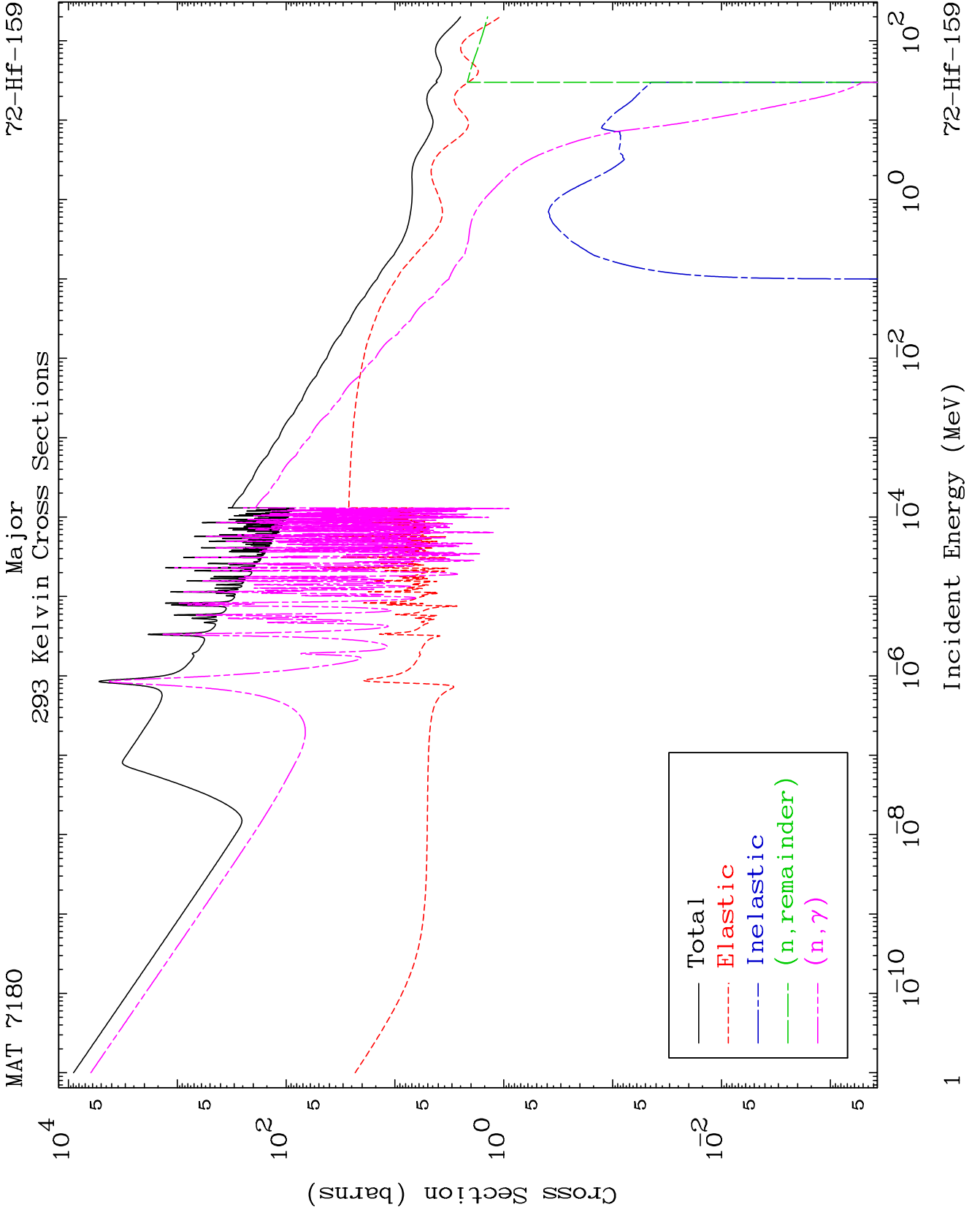
Dermott E. Cullen
(Present Contact Information)

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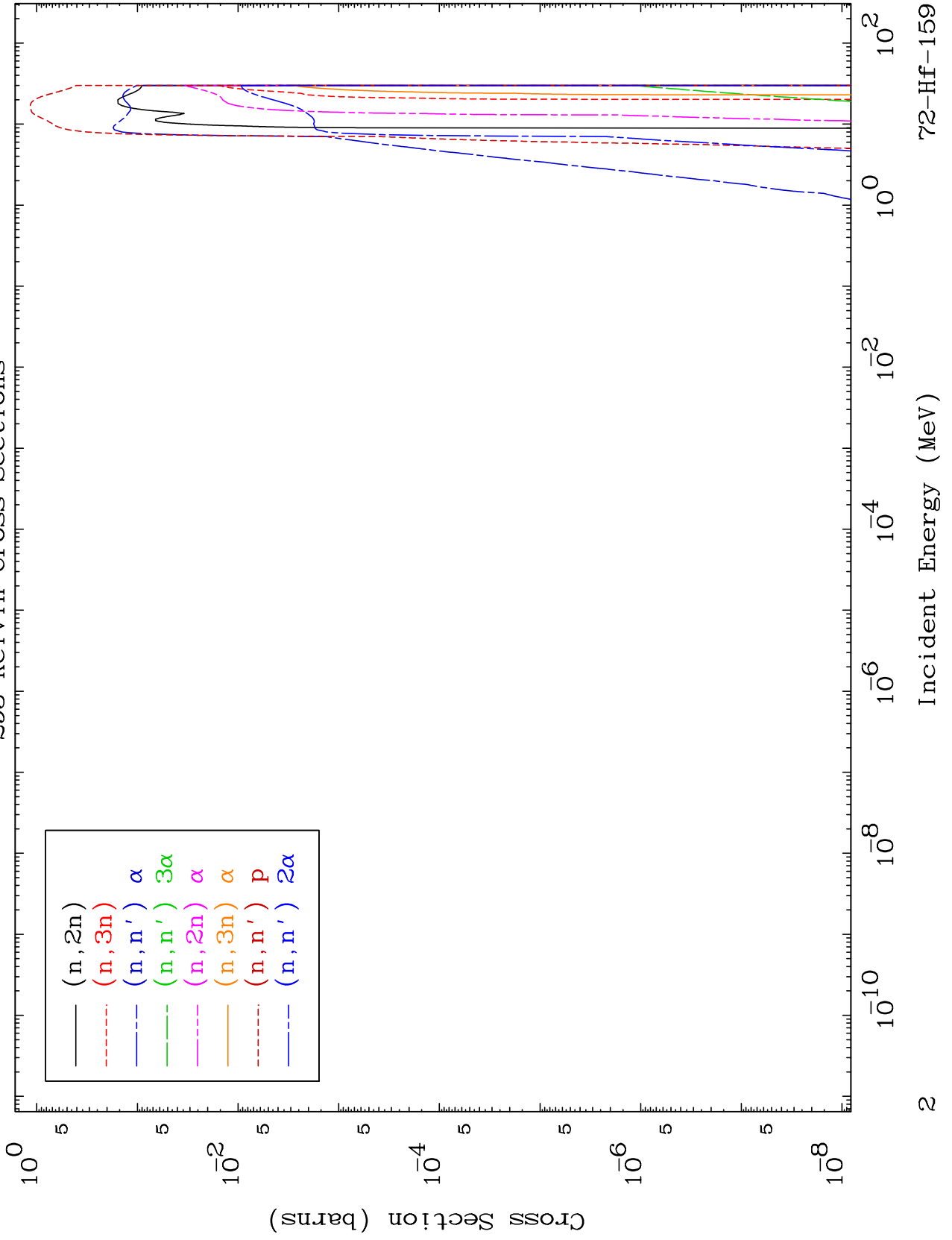
Press Mouse Button to Start



MAT 7180

Neutron Production
293 Kelvin Cross Sections

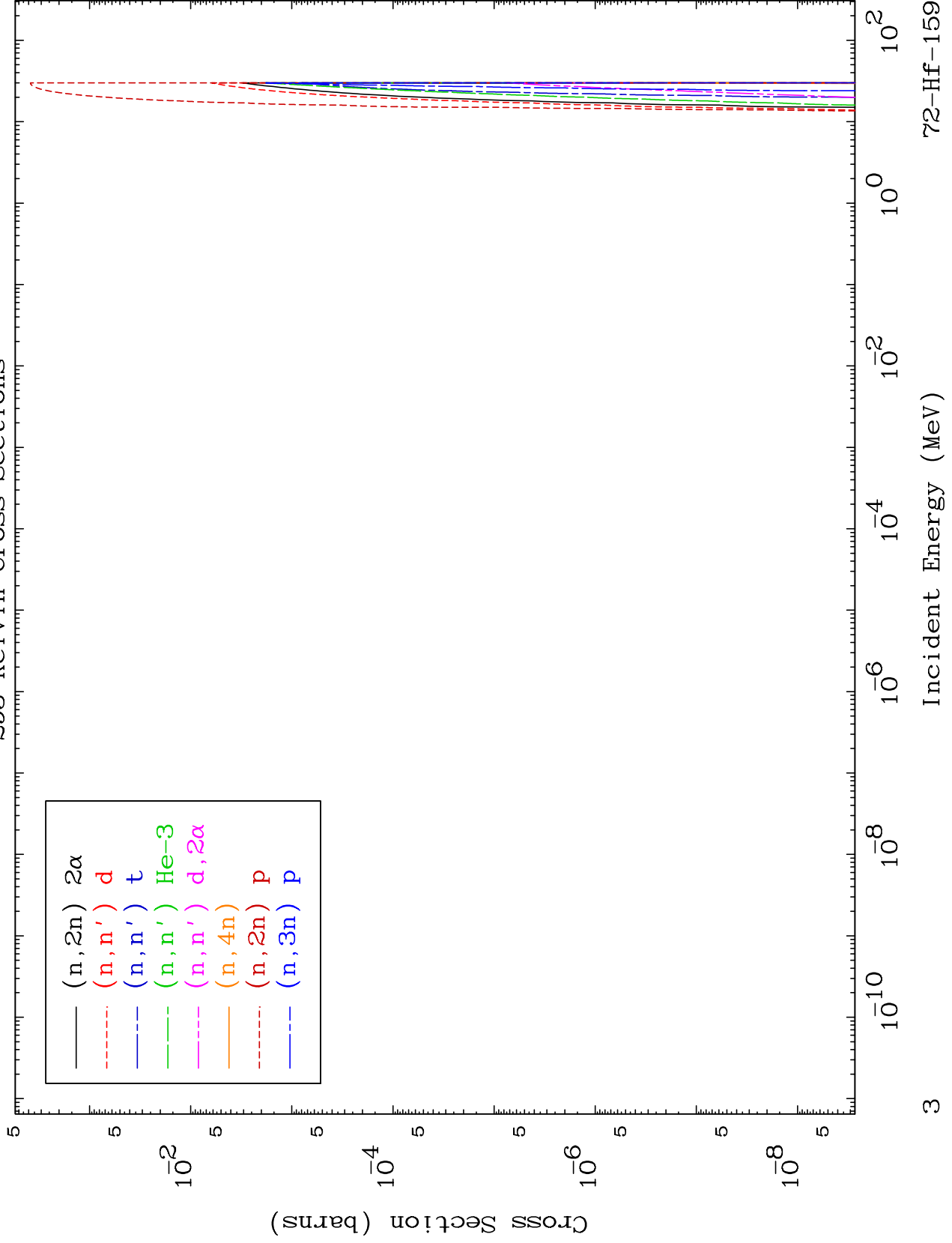
72-Hf-159



MAT 7180

Neutron Production
293 Kelvin Cross Sections

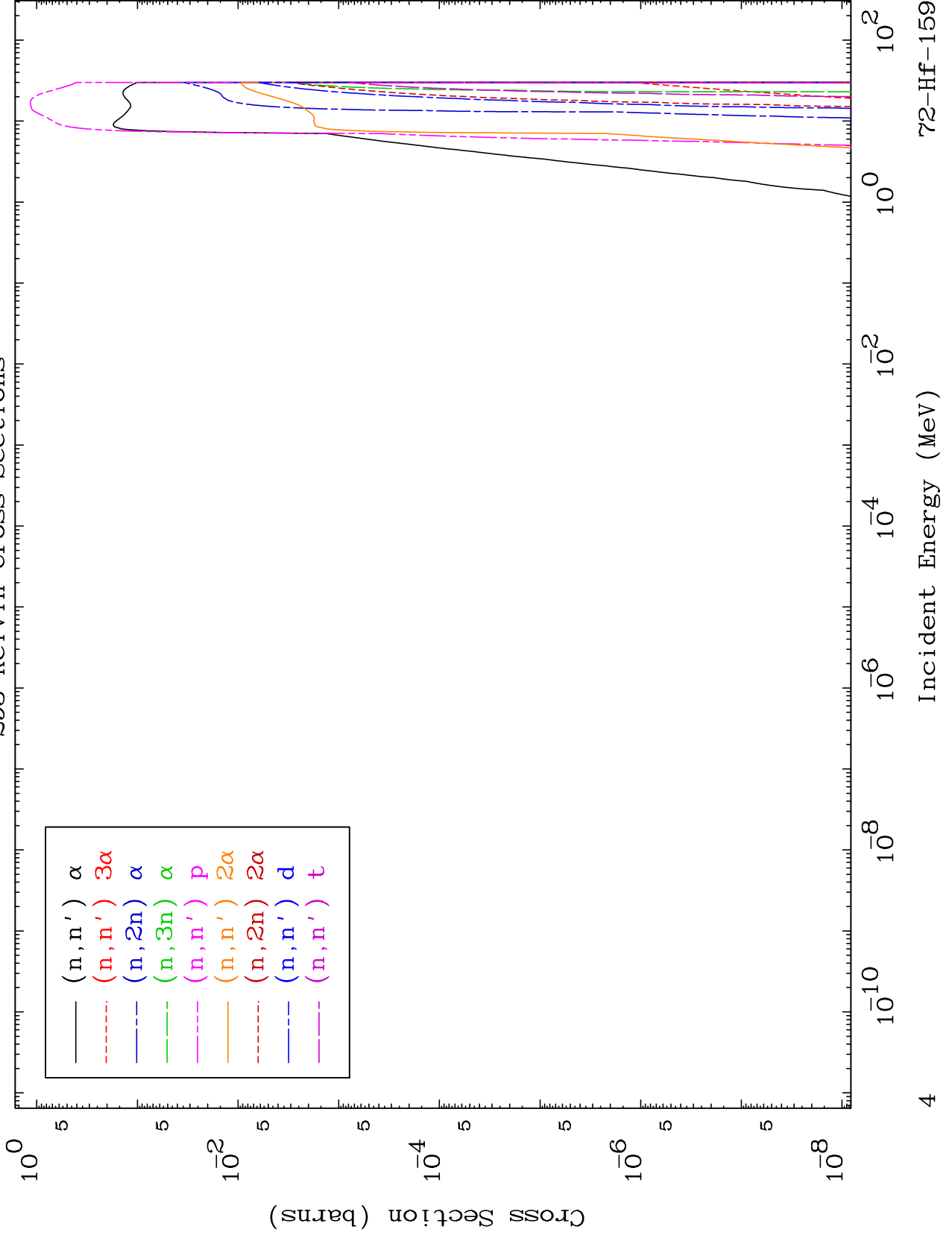
72-Hf-159



MAT 7180

Charged Particle
293 Kelvin Cross Sections

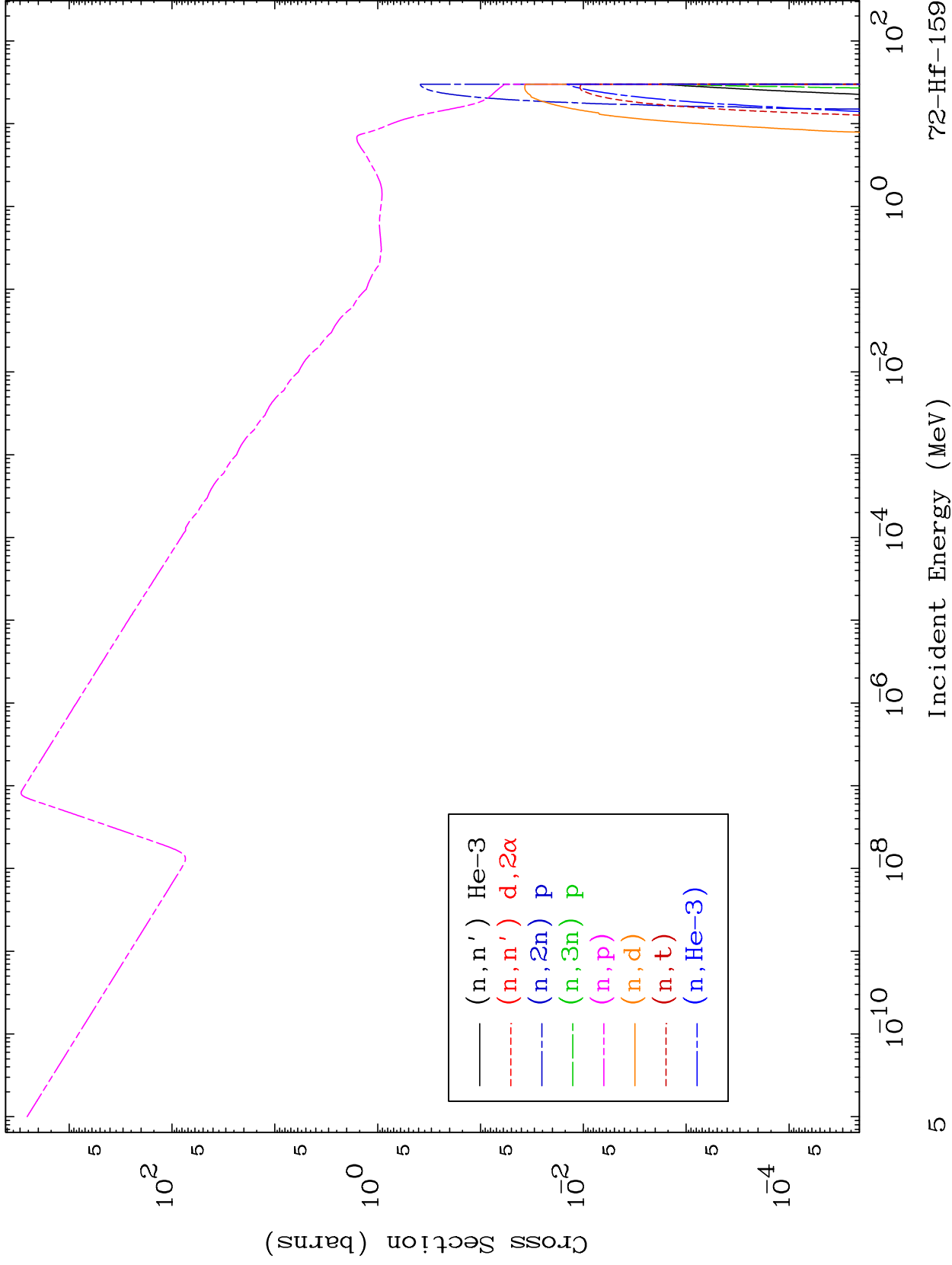
72-Hf-159

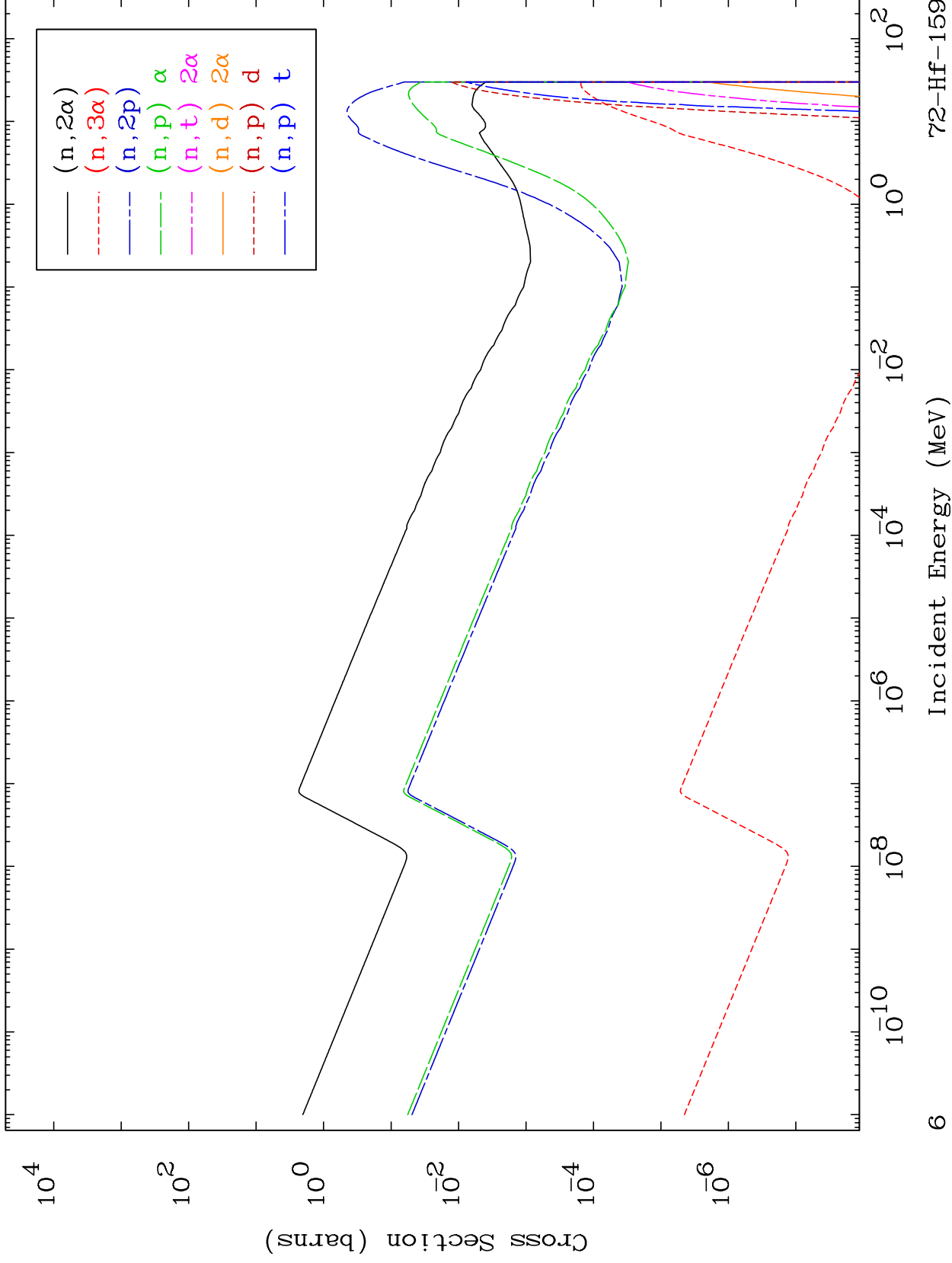


MAT 7180

Charged Particle
293 Kelvin Cross Sections

72-Hf-159

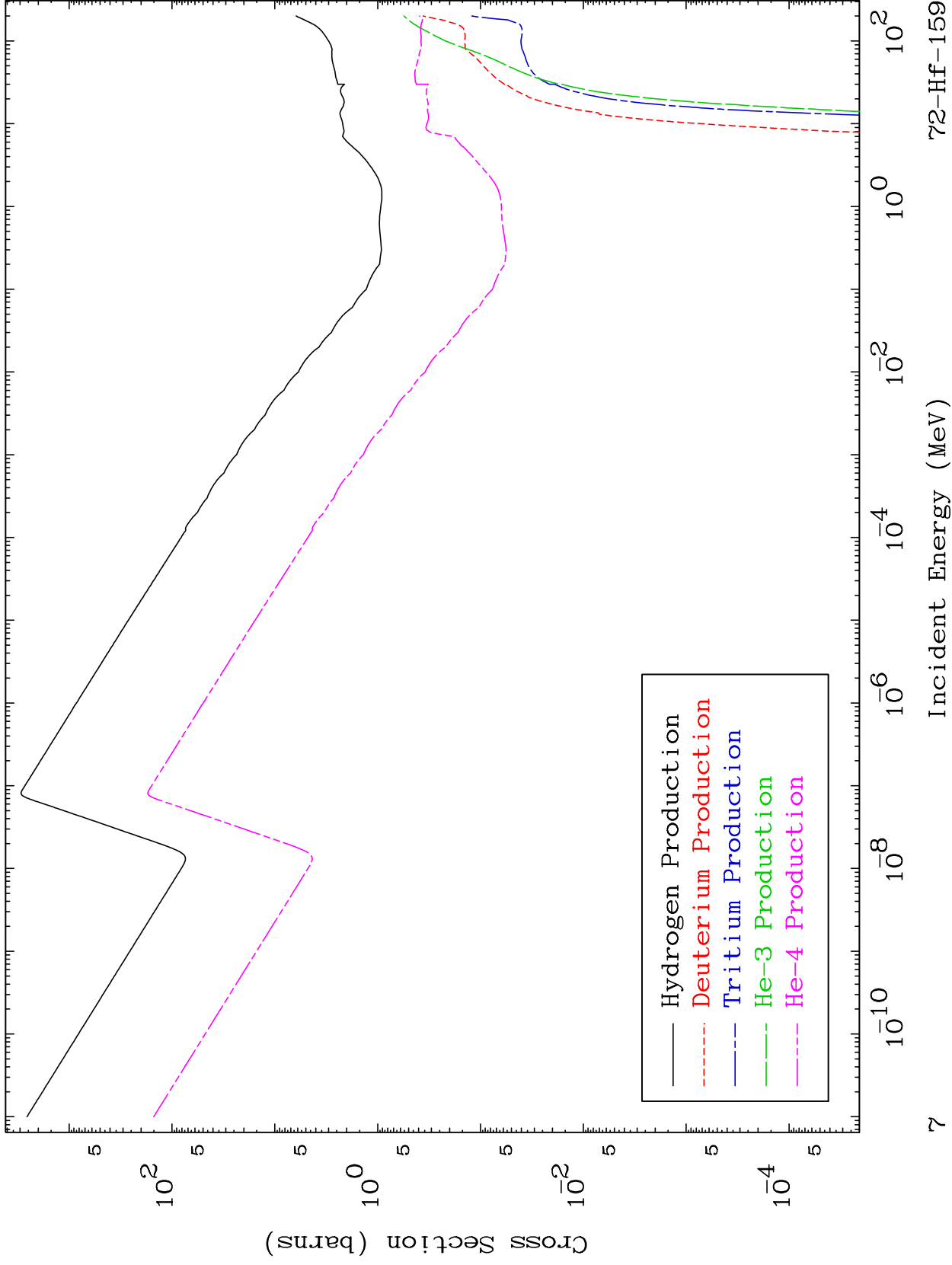




MAT 7180

Particle Production
293 Kelvin Cross Sections

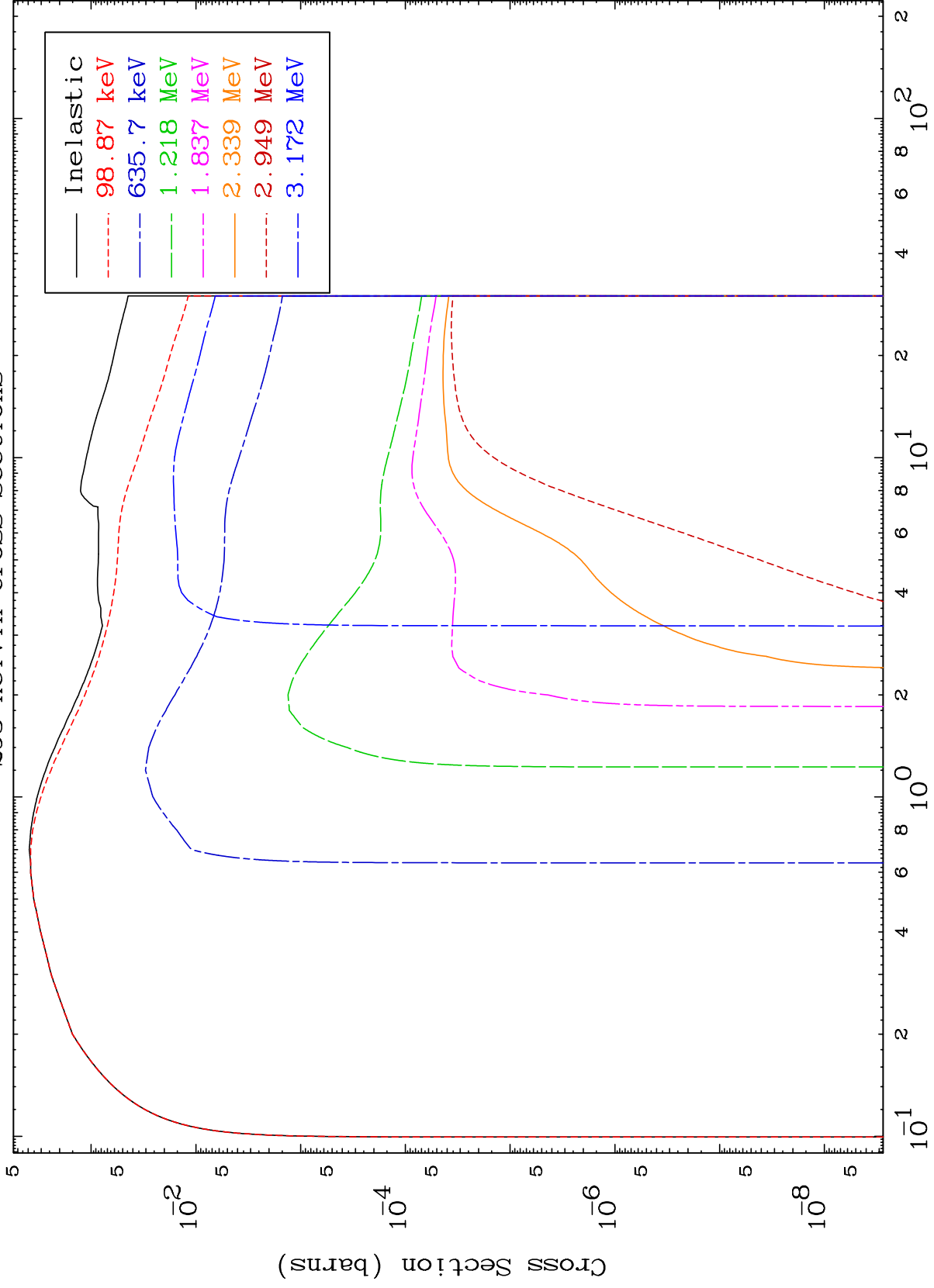
72-Hf-159



MAT 7180

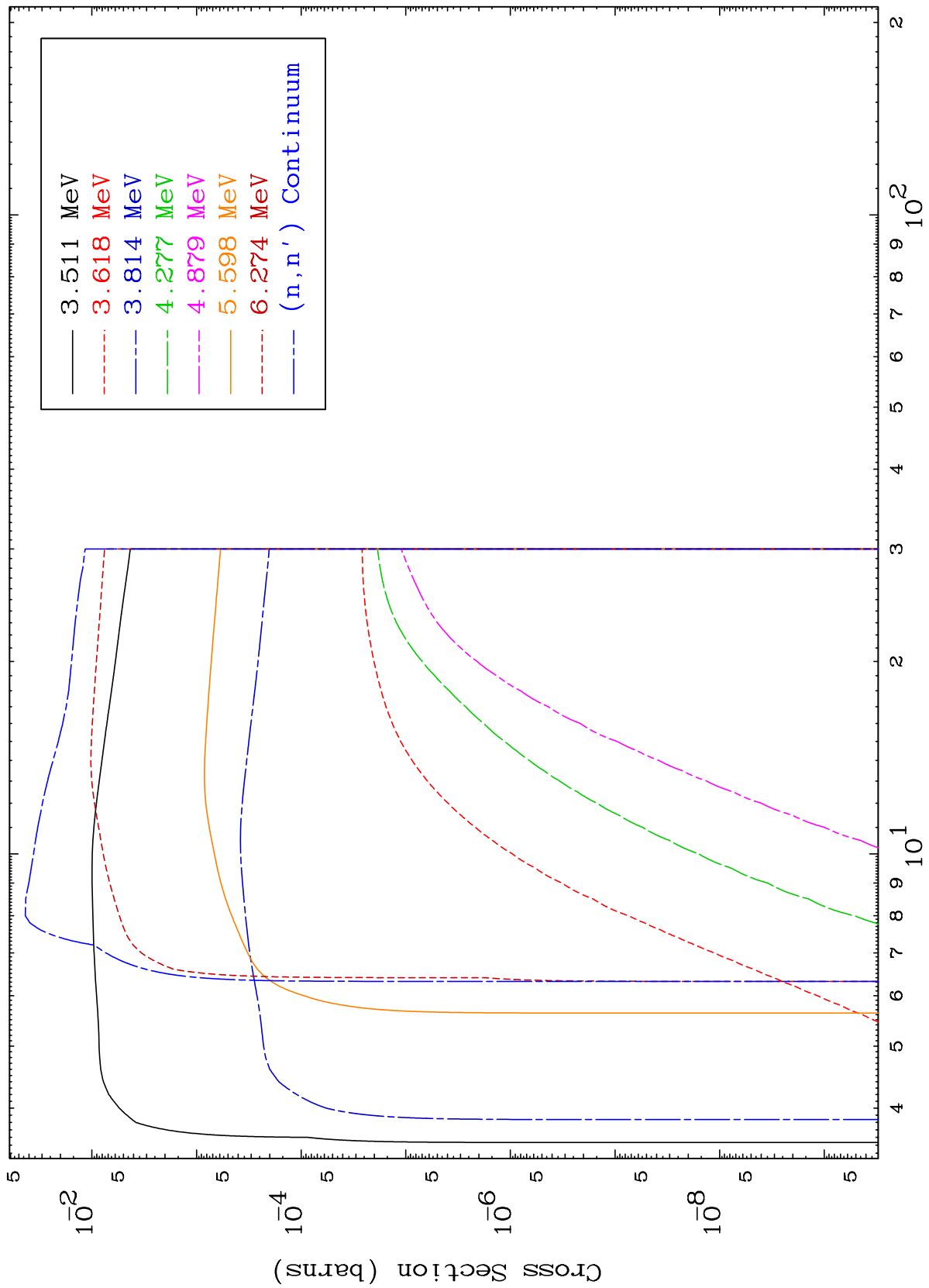
(n,n') Level
293 Kelvin Cross Sections

72-Hf-159



Incident Energy (MeV)

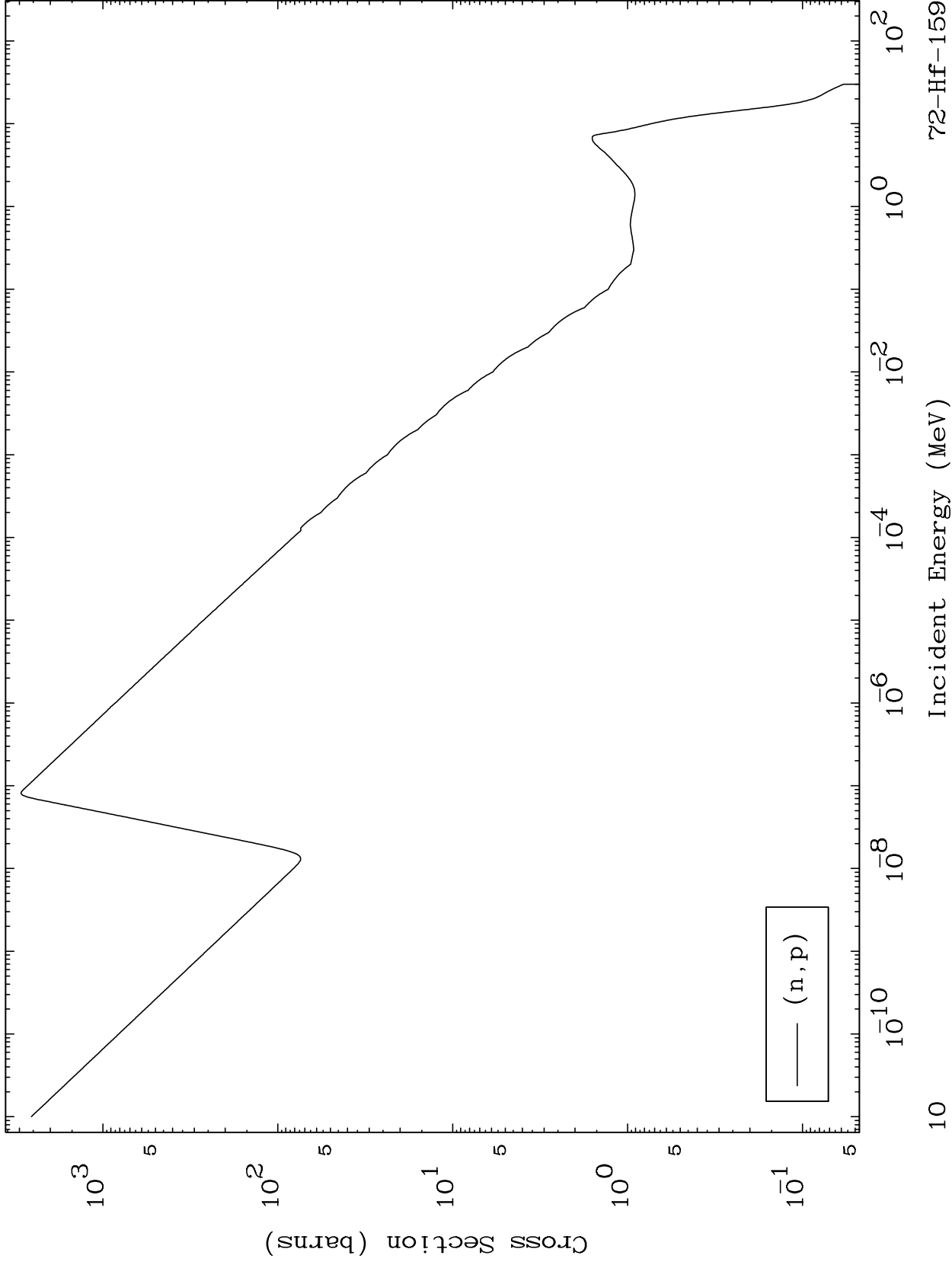
72-Hf-159



MAT 7180

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-159



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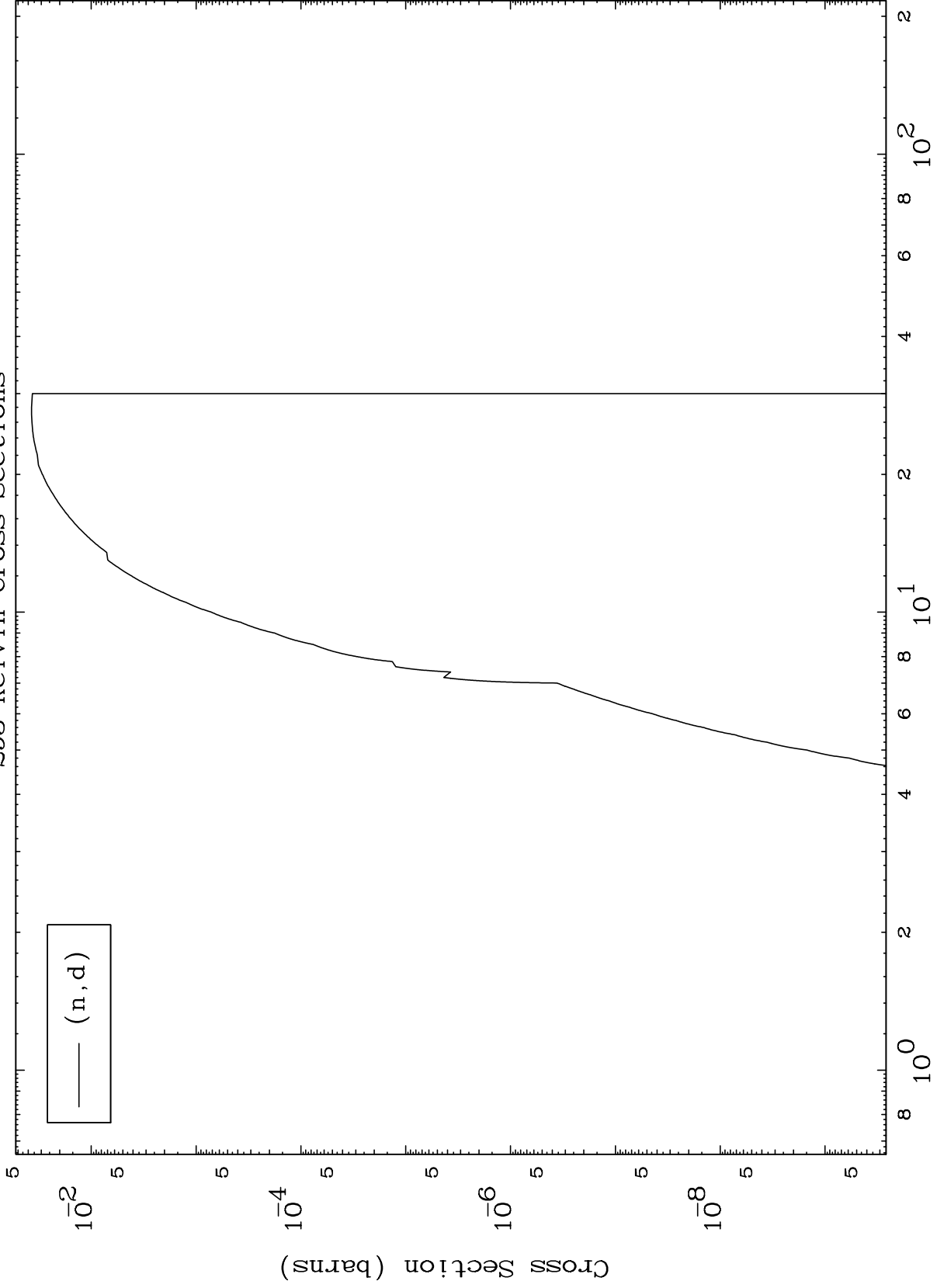
Incident Energy (MeV)

72-Hf-159

MAT 7180

(n,d) Levels
293 Kelvin Cross Sections

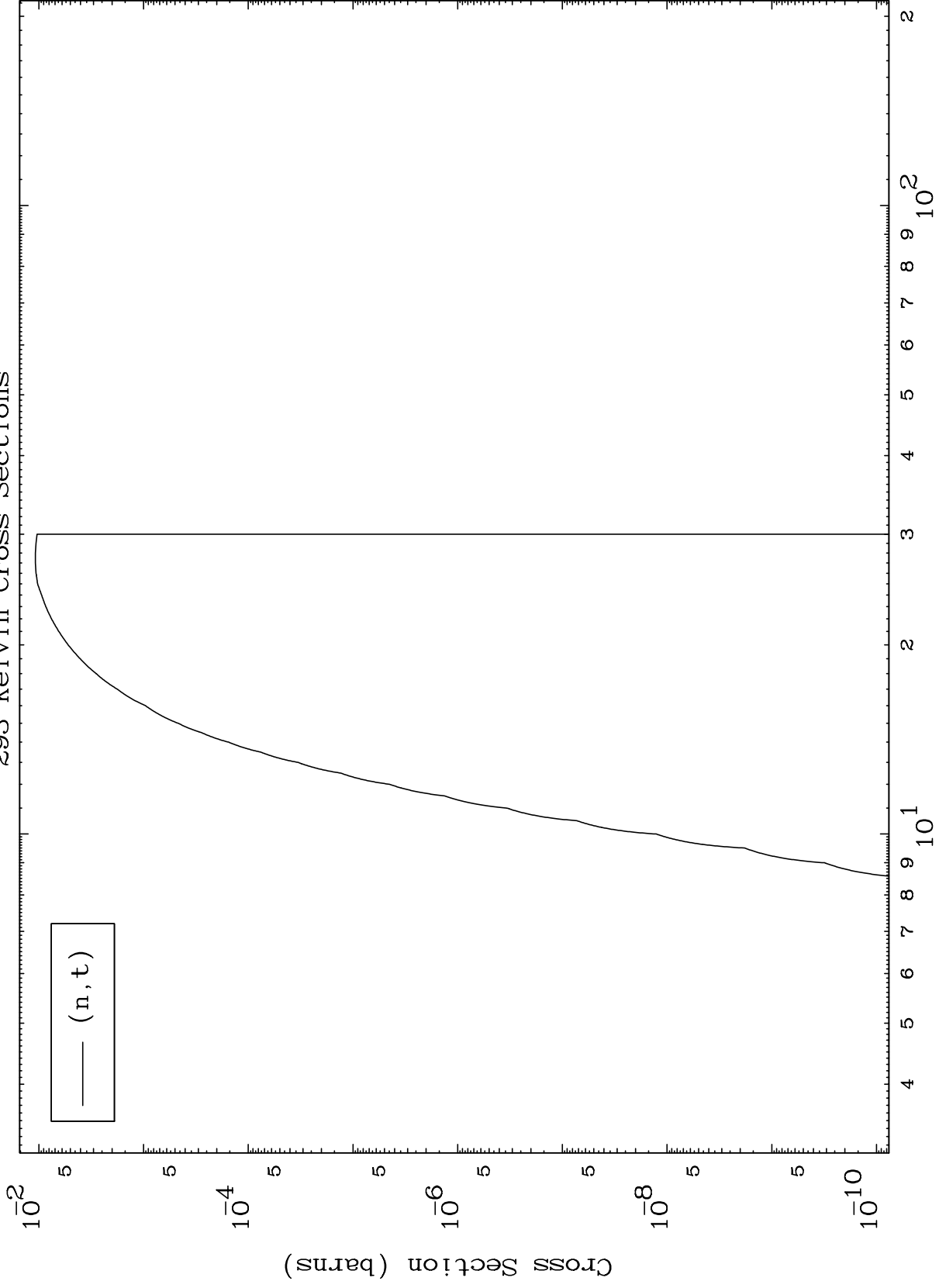
72-Hf-159



MAT 7180

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-159



12

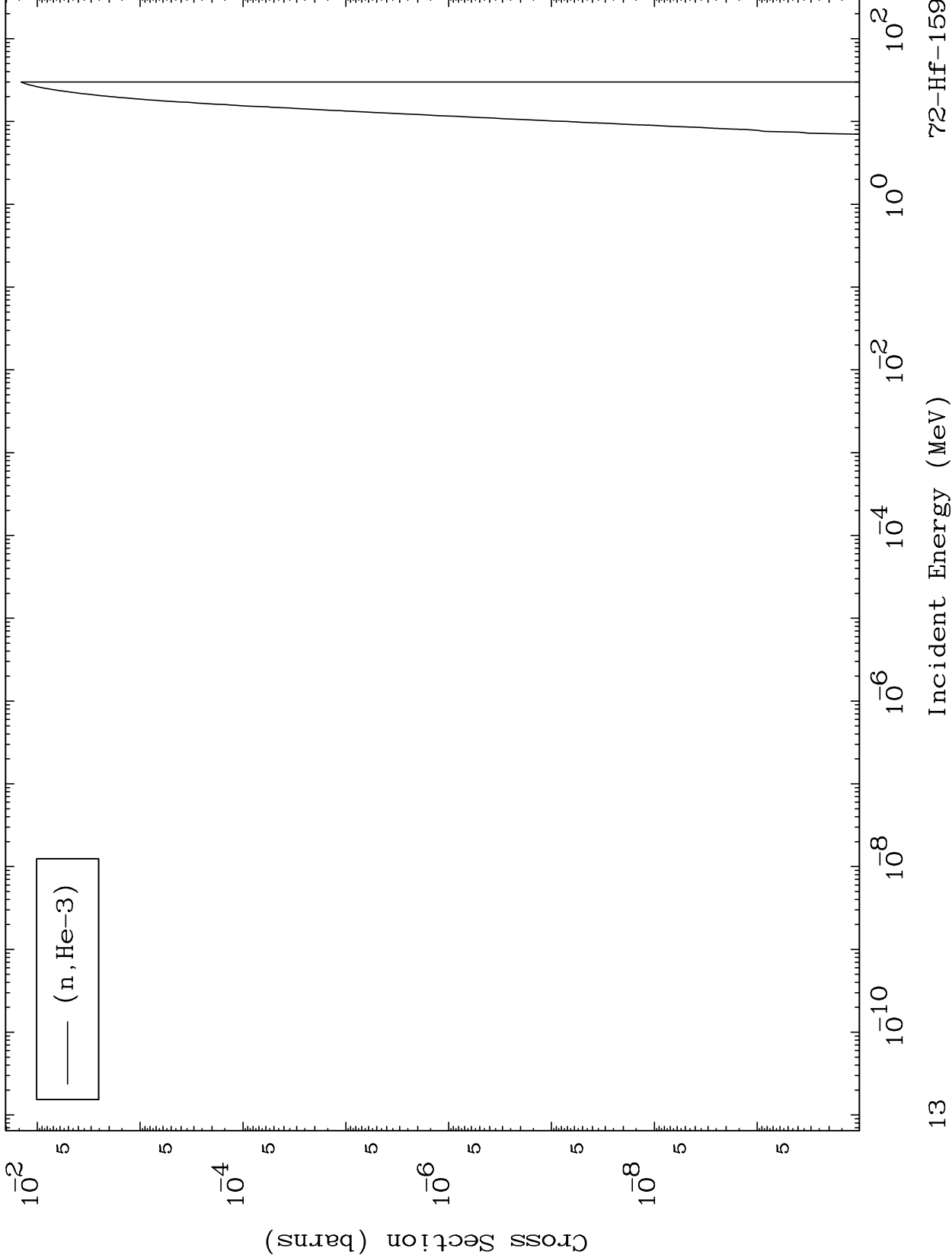
Incident Energy (MeV)

72-Hf-159

MAT 7180

(n,He3) Levels
293 Kelvin Cross Sections

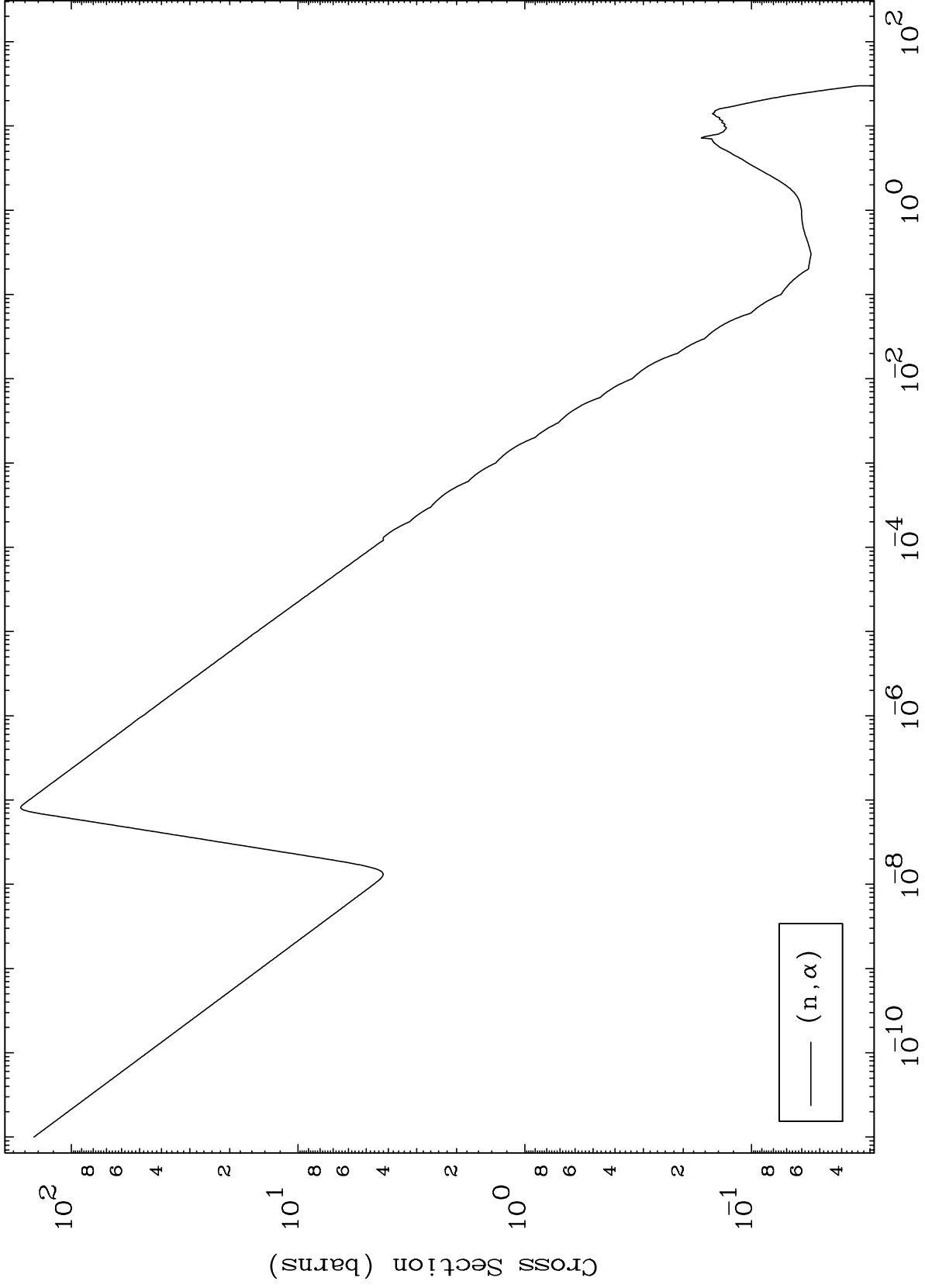
72-Hf-159

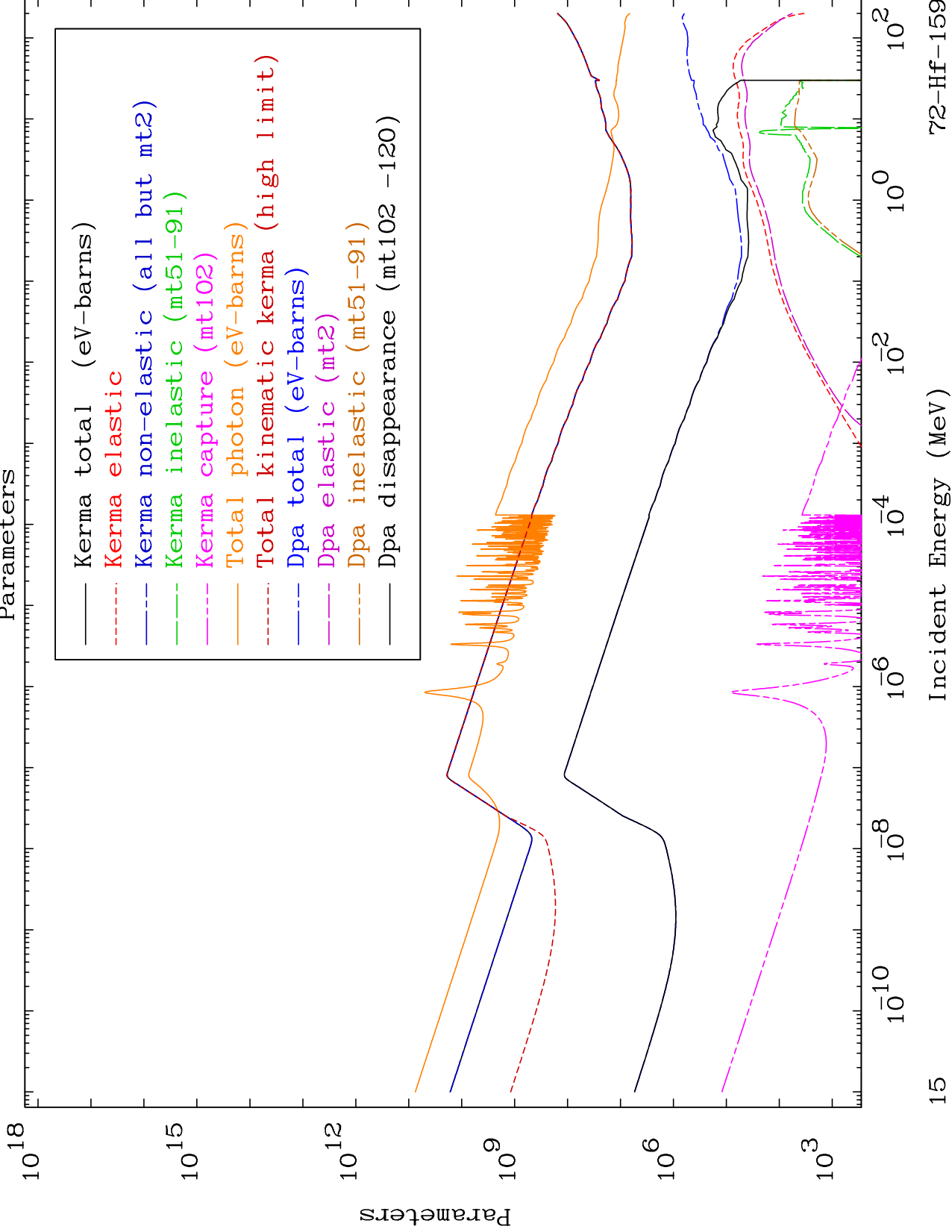


MAT 7180

(n, α) Levels
293 Kelvin Cross Sections

72-Hf-159

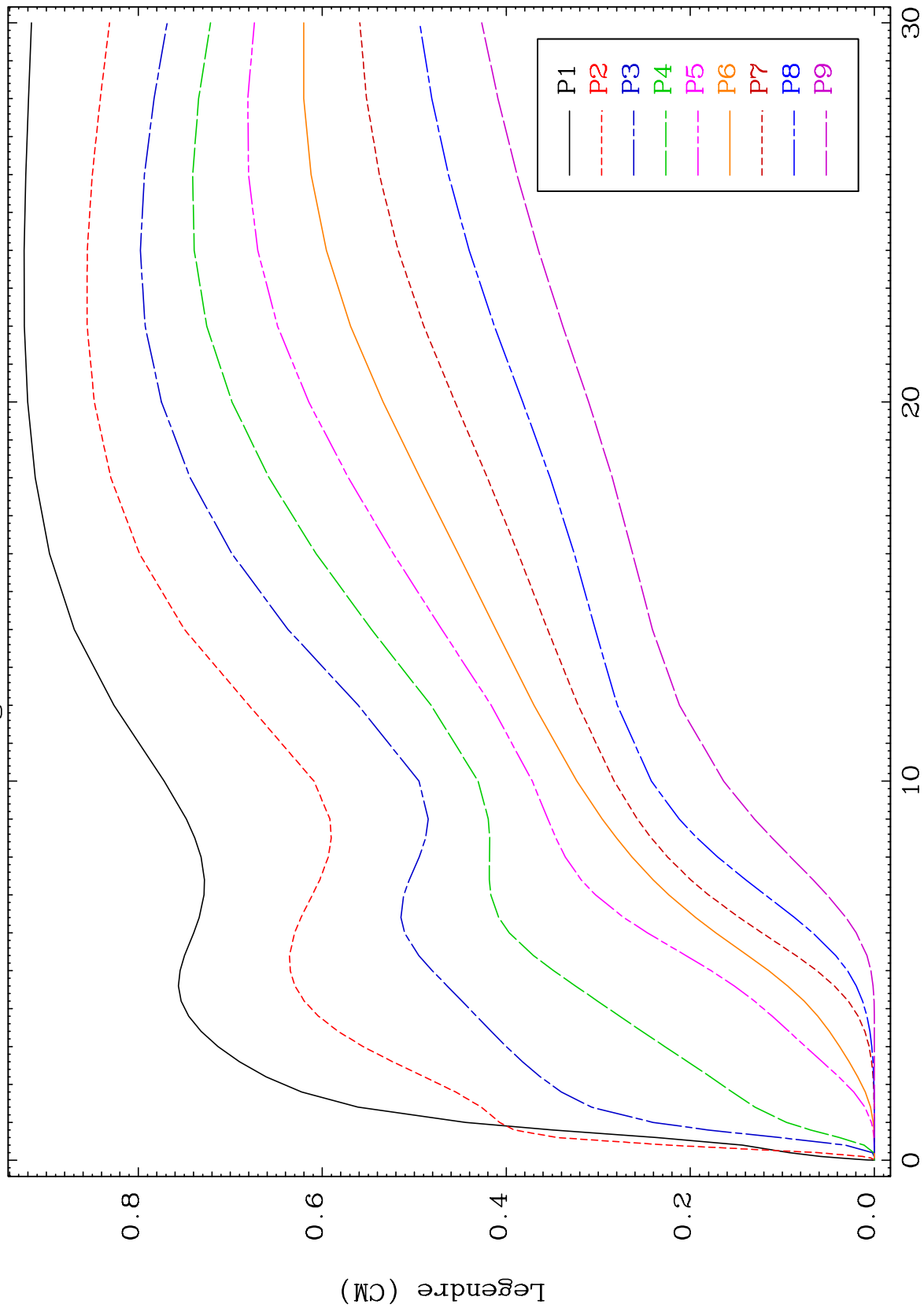




MAT 7180

Elastic Legendre Coefficients

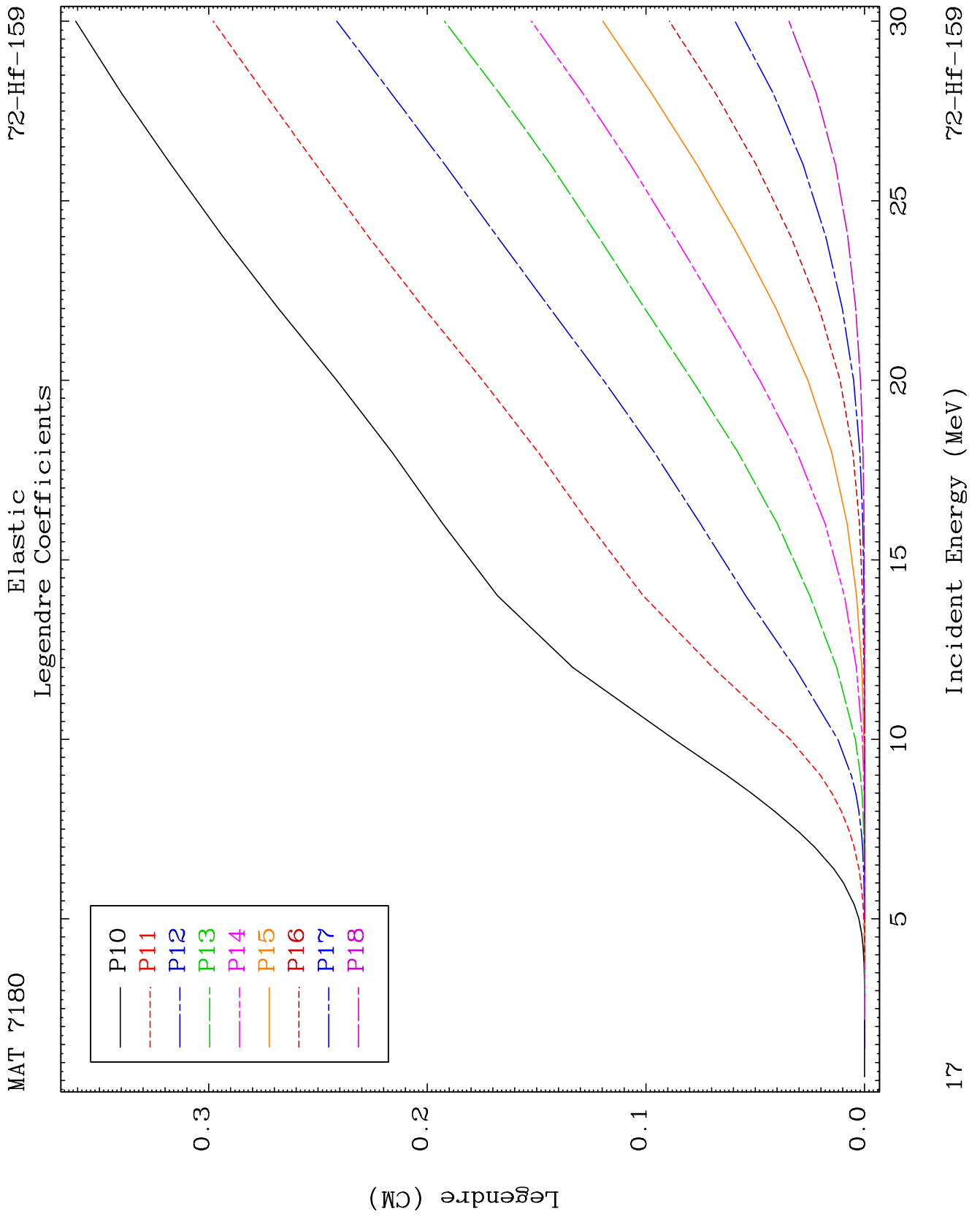
72-Hf-159



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Incident Energy (MeV)

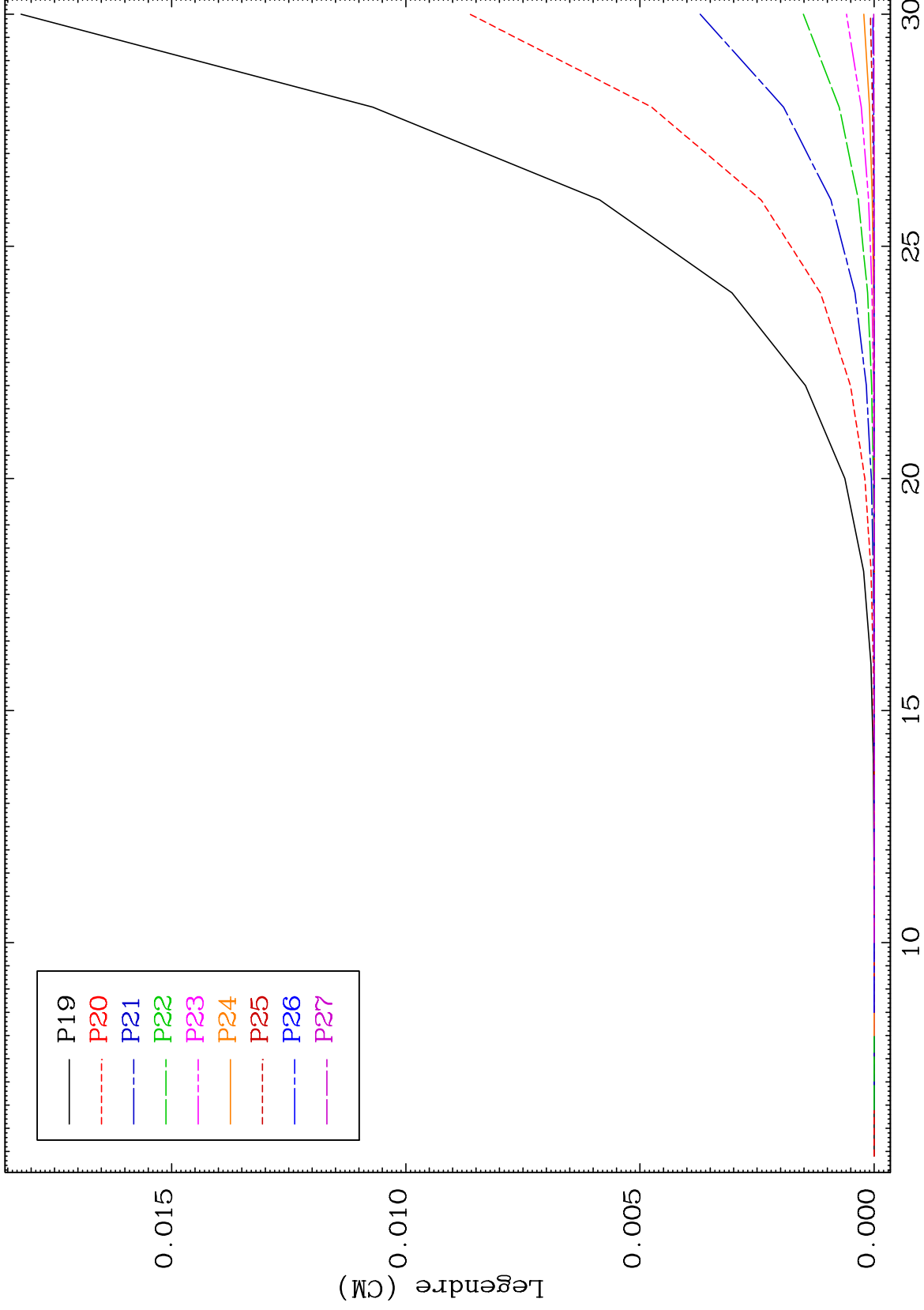
72-Hf-159



MAT 7180

Elastic
Legendre Coefficients

72-Hf-159



18

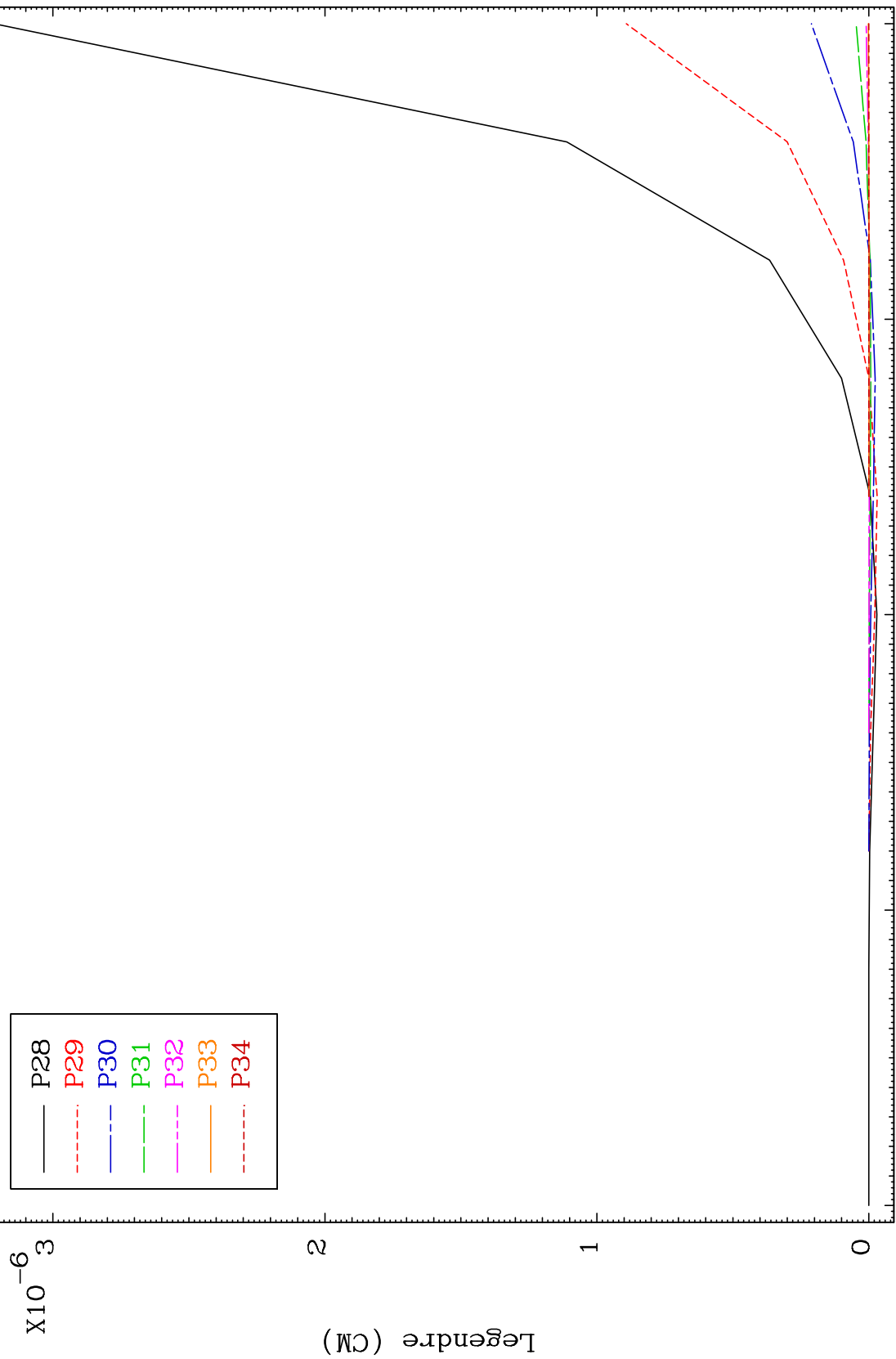
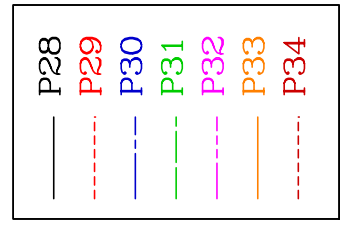
Incident Energy (MeV)

72-Hf-159

MAT 7180

Elastic Legendre Coefficients

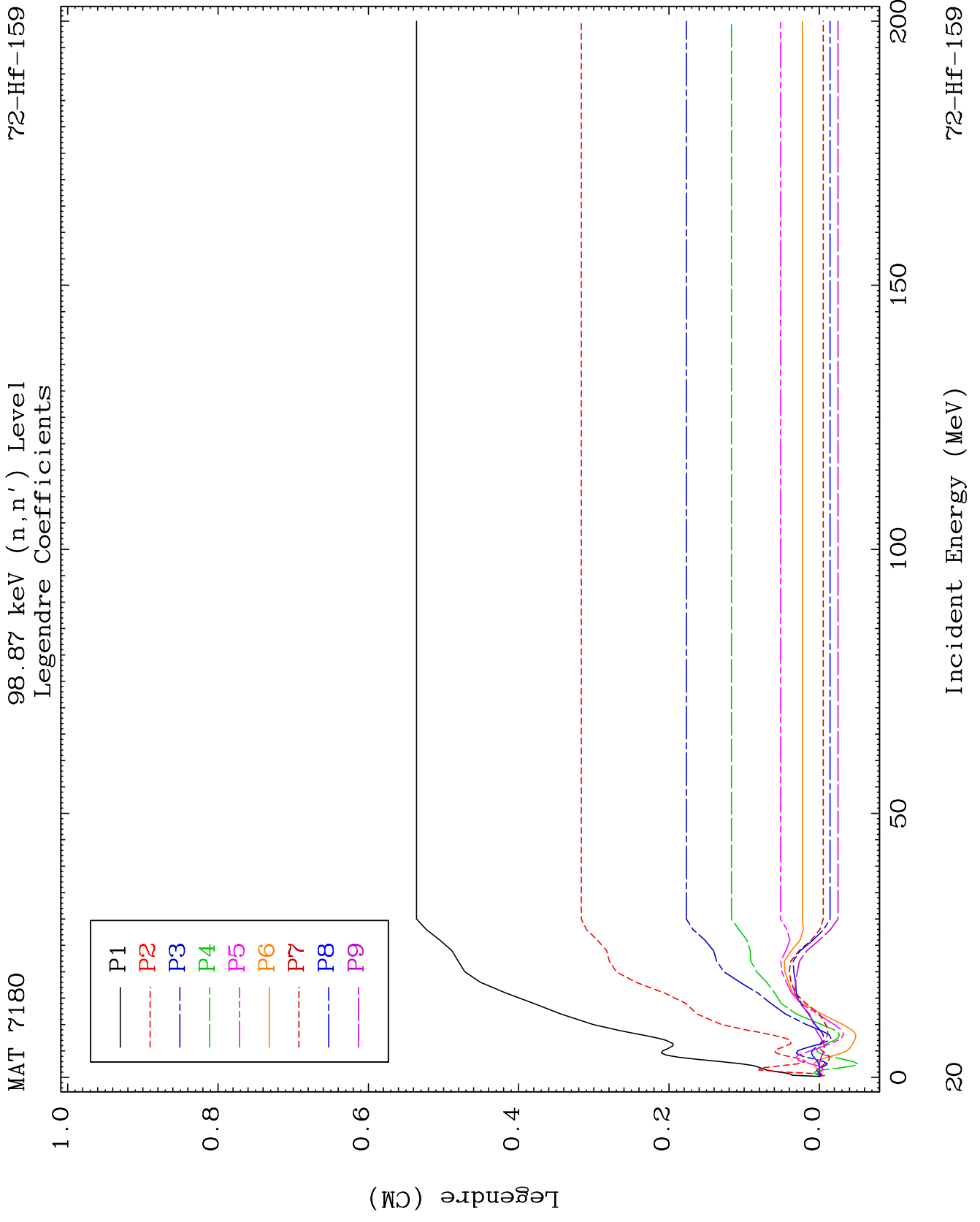
72-Hf-159



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Incident Energy (MeV)

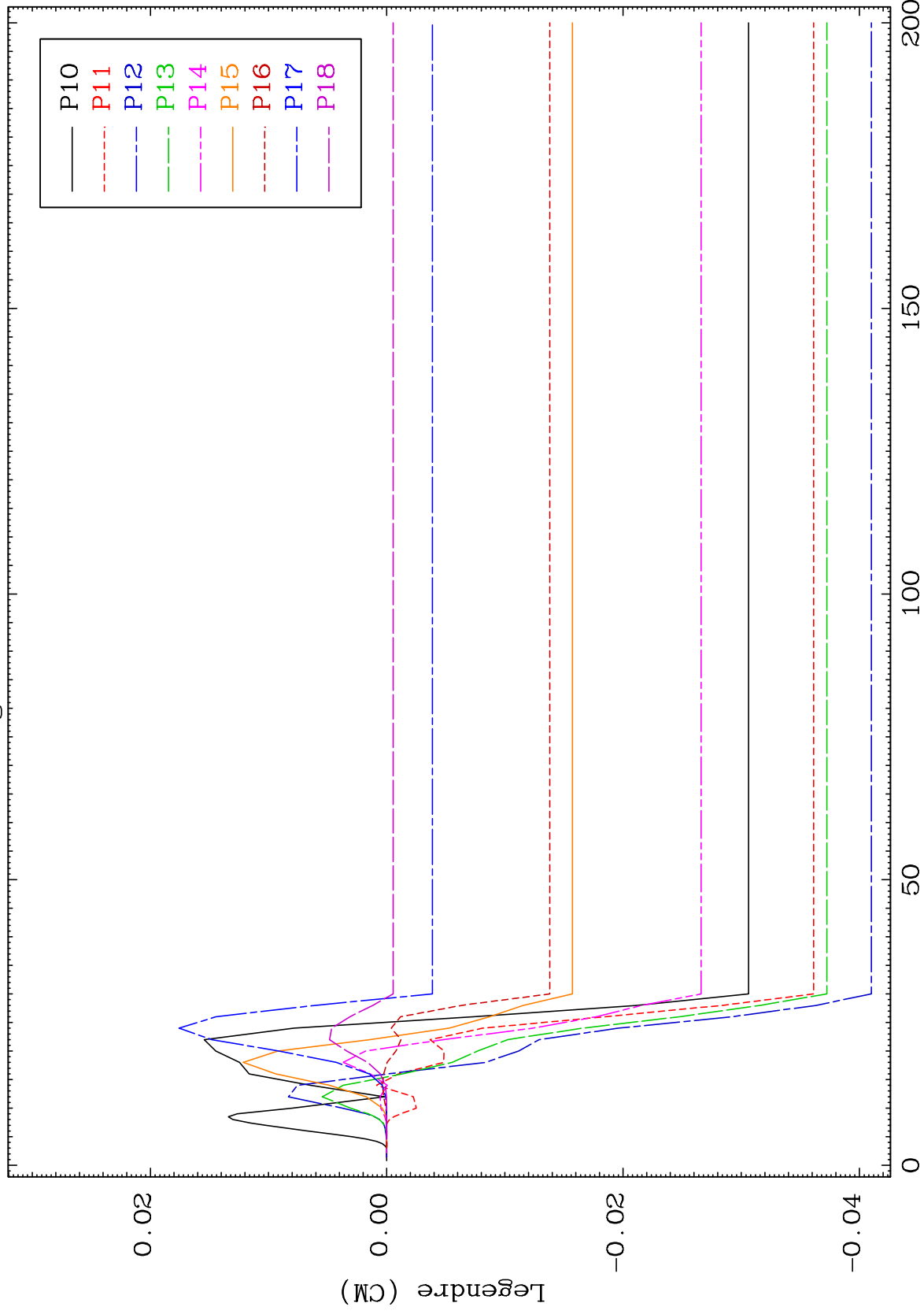
72-Hf-159



MAT 7180

98.87 keV (n,n') Level
Legendre Coefficients

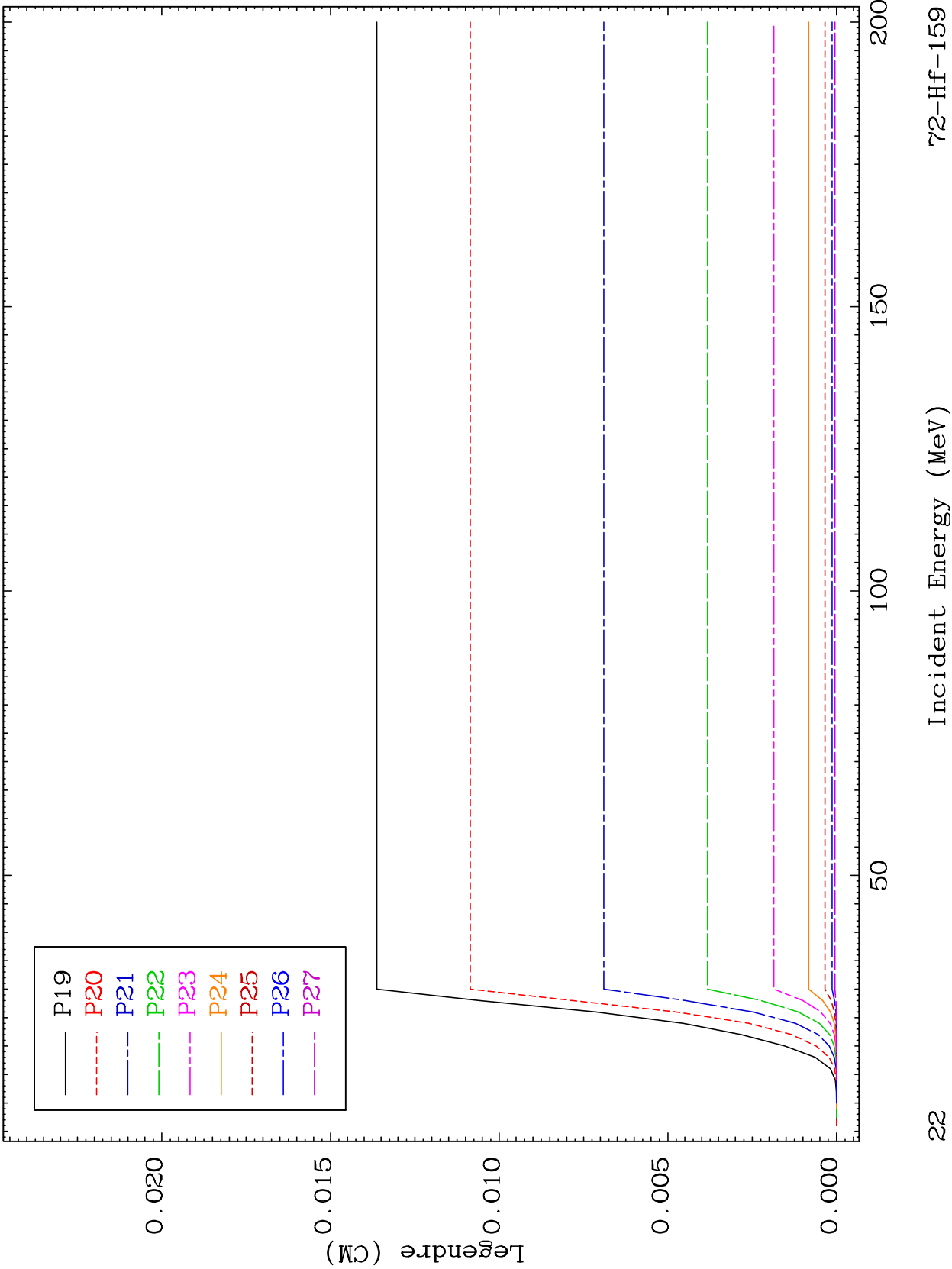
72-Hf-159



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Incident Energy (MeV)

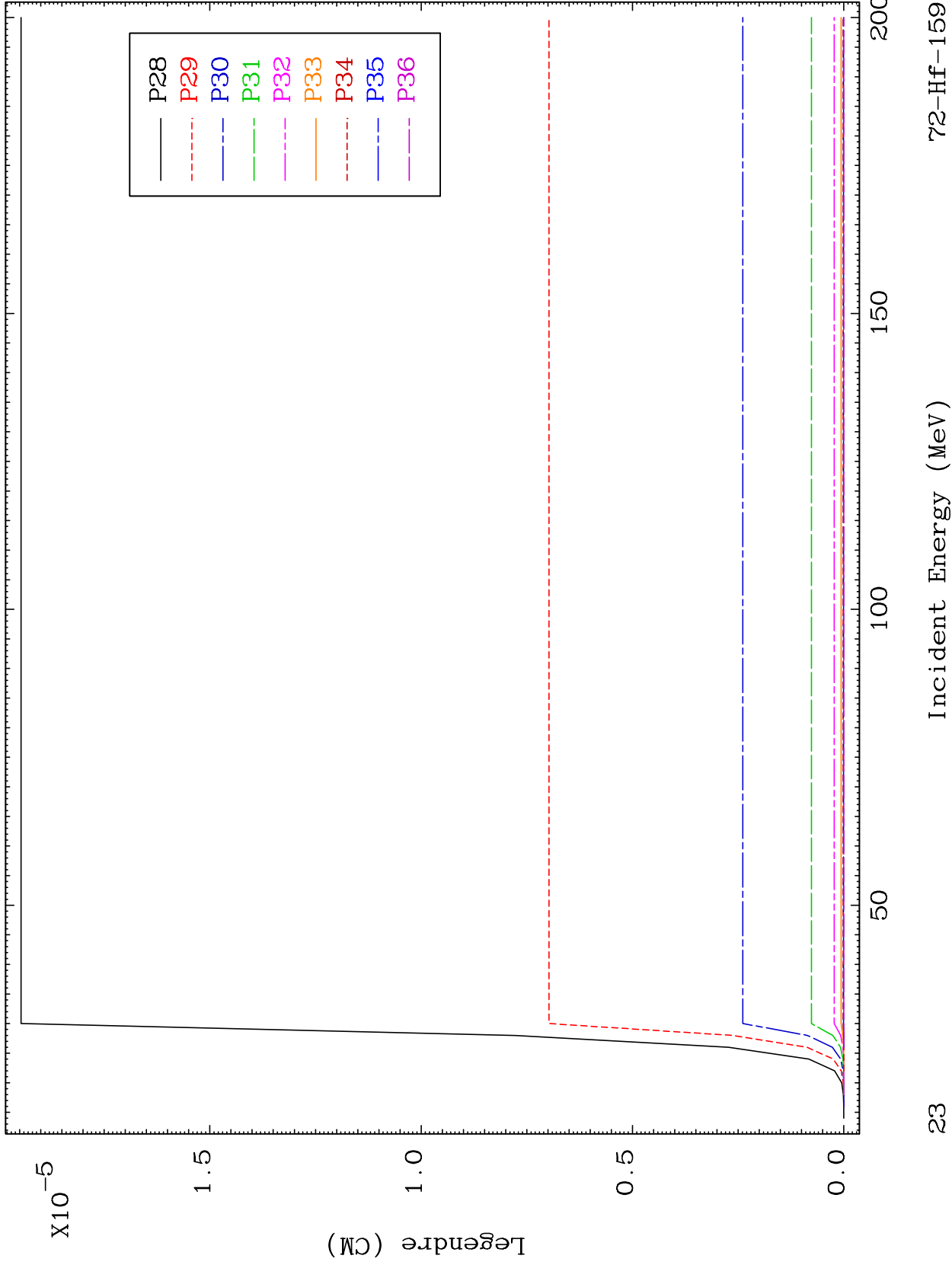
72-Hf-159



MAT 7180

98.87 keV (n,n') Level
Legendre Coefficients

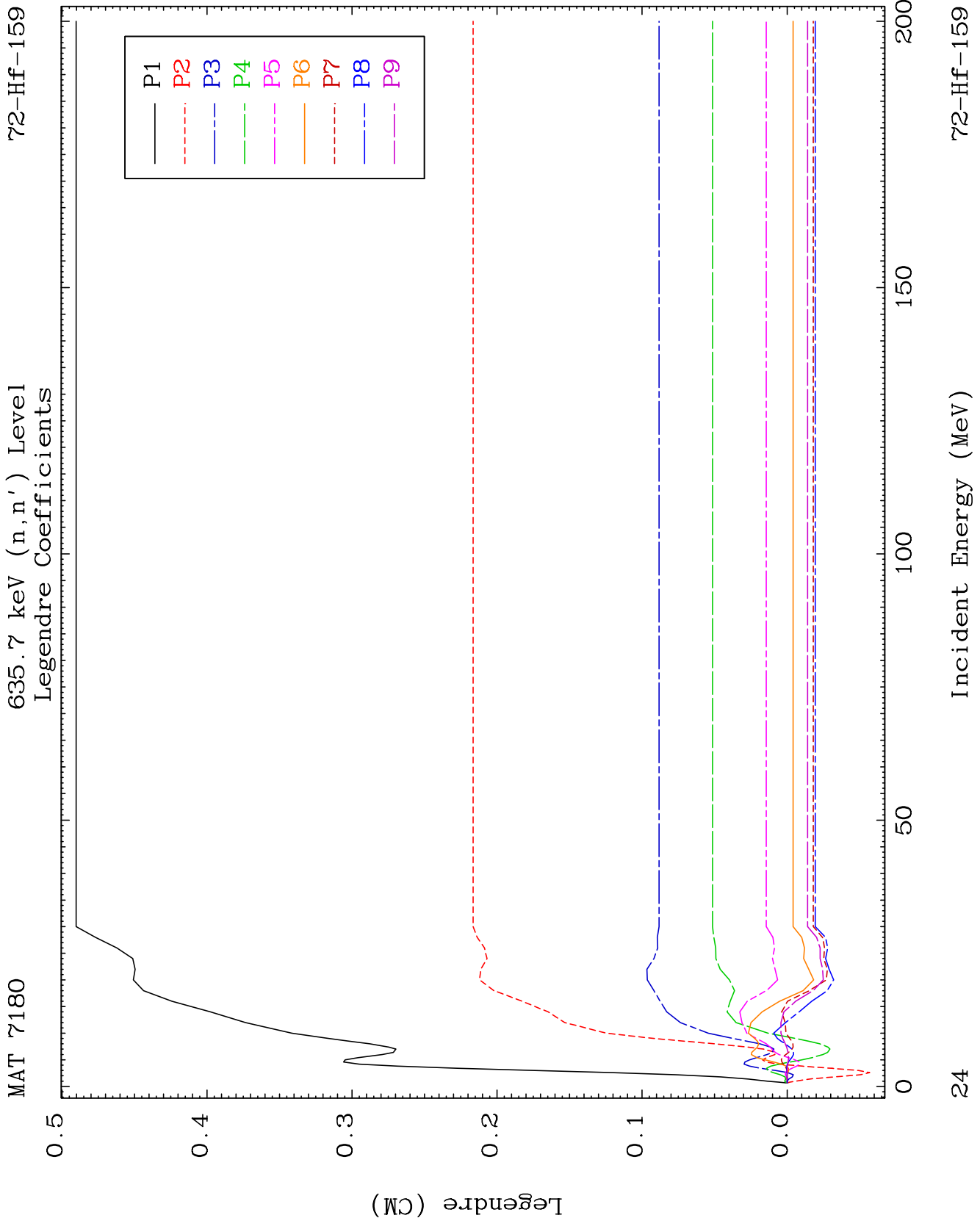
72-Hf-159



23

Incident Energy (MeV)

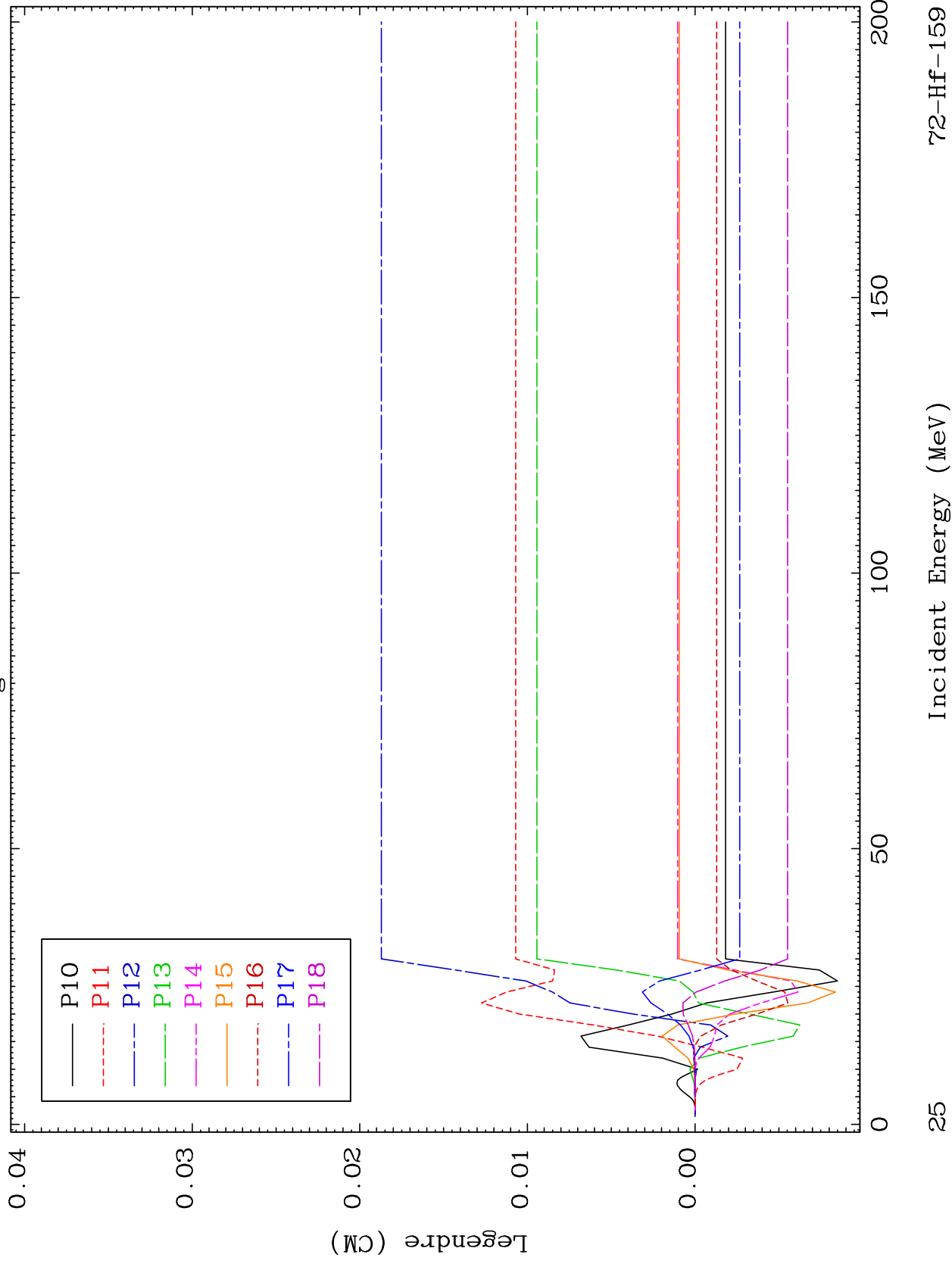
72-Hf-159



MAT 7180

635.7 keV (n, n') Level
Legendre Coefficients

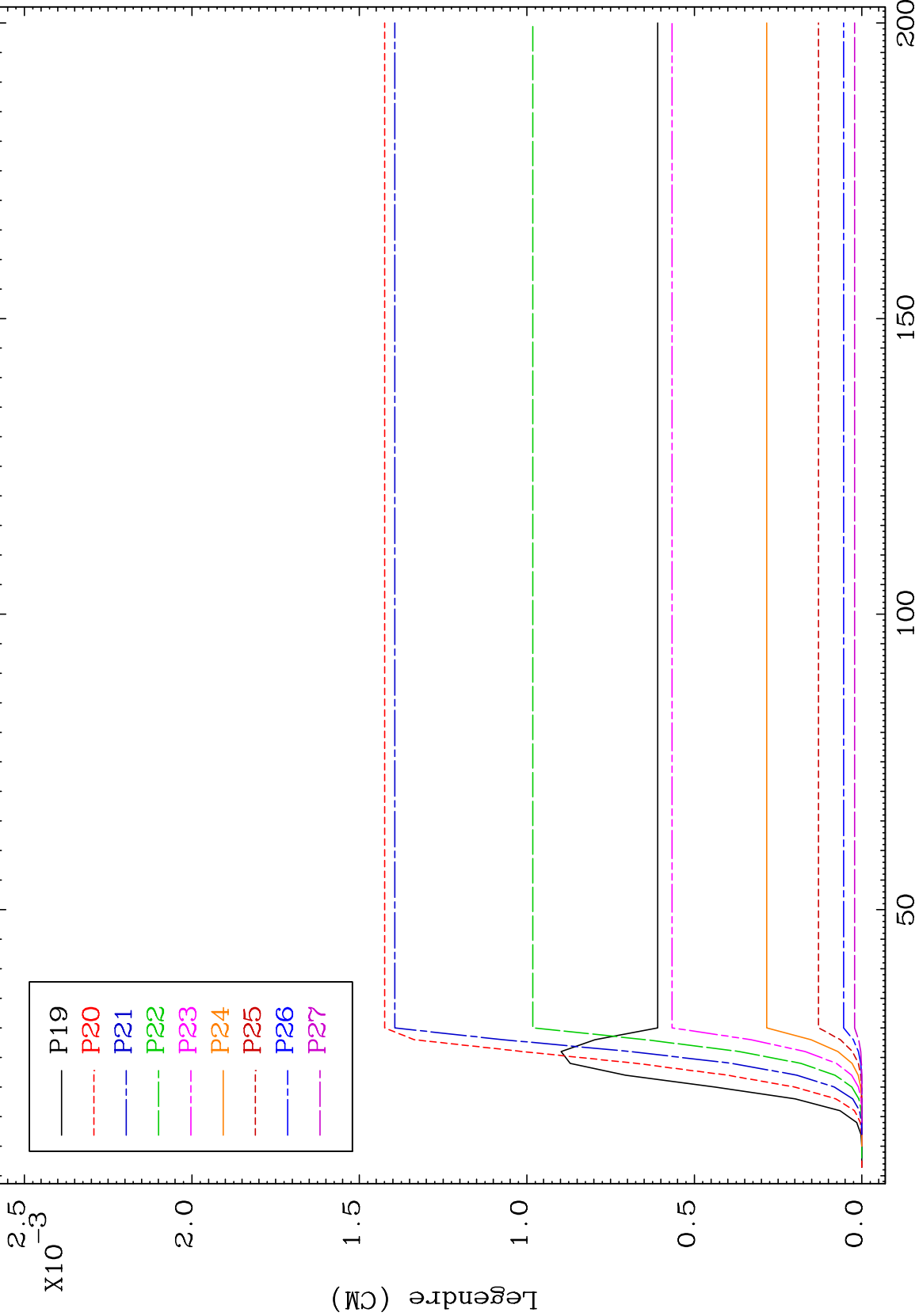
72-Hf-159



72-Hf-159

Incident Energy (MeV)

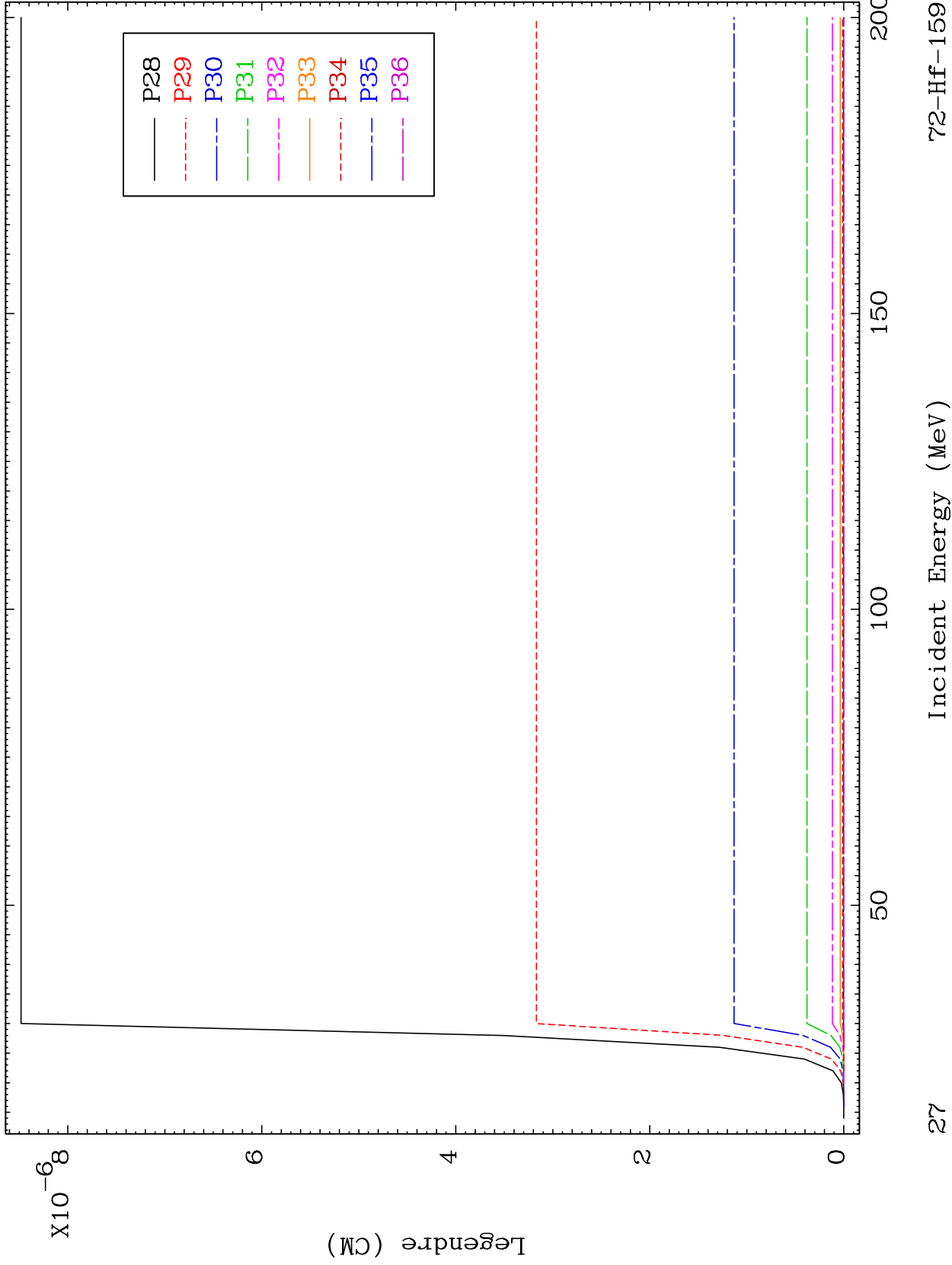
25



MAT 7180

635.7 keV (n,n') Level
Legendre Coefficients

72-Hf-159



27

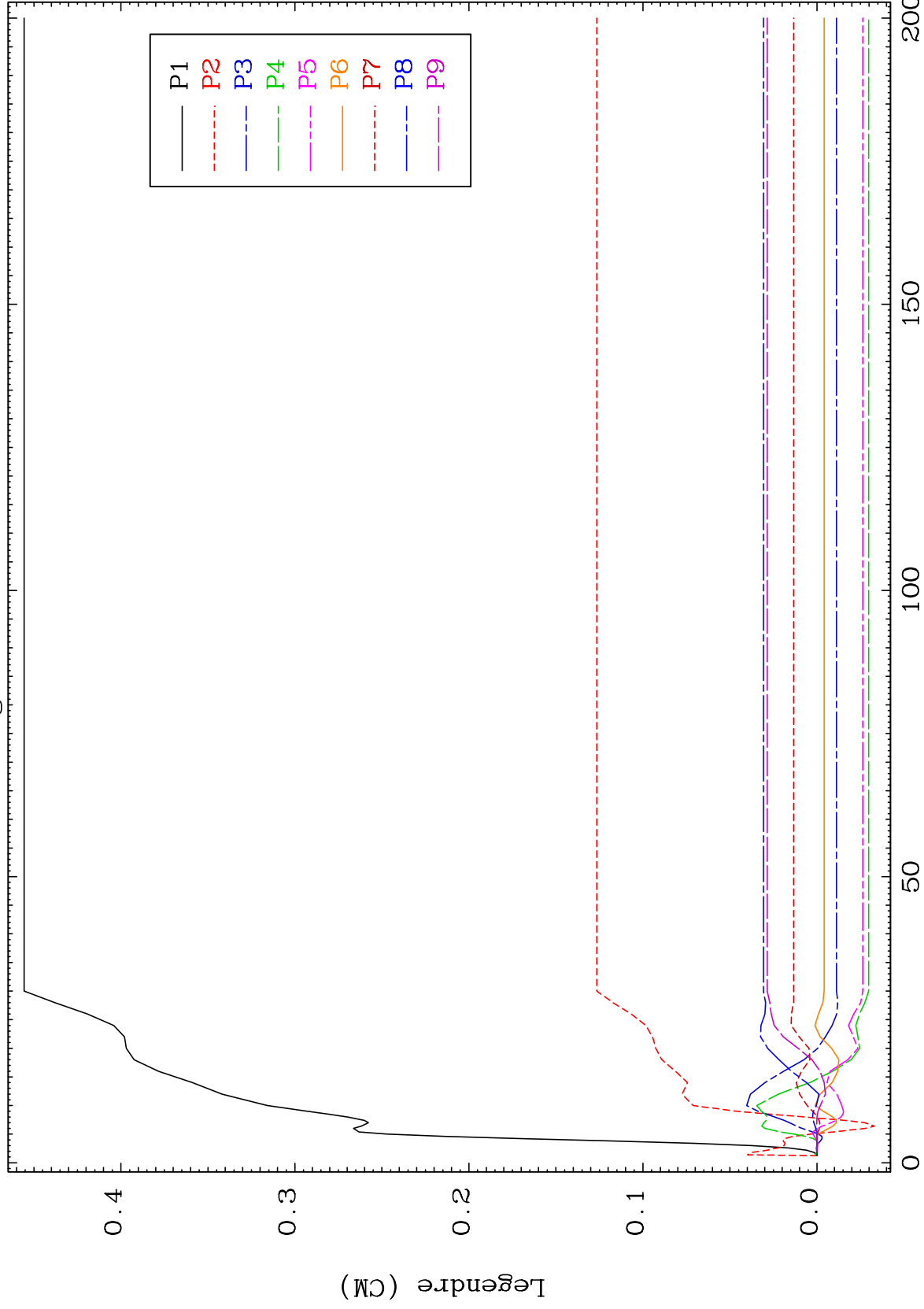
Incident Energy (MeV)

72-Hf-159

MAT 7180

1.218 MeV (n,n') Level
Legendre Coefficients

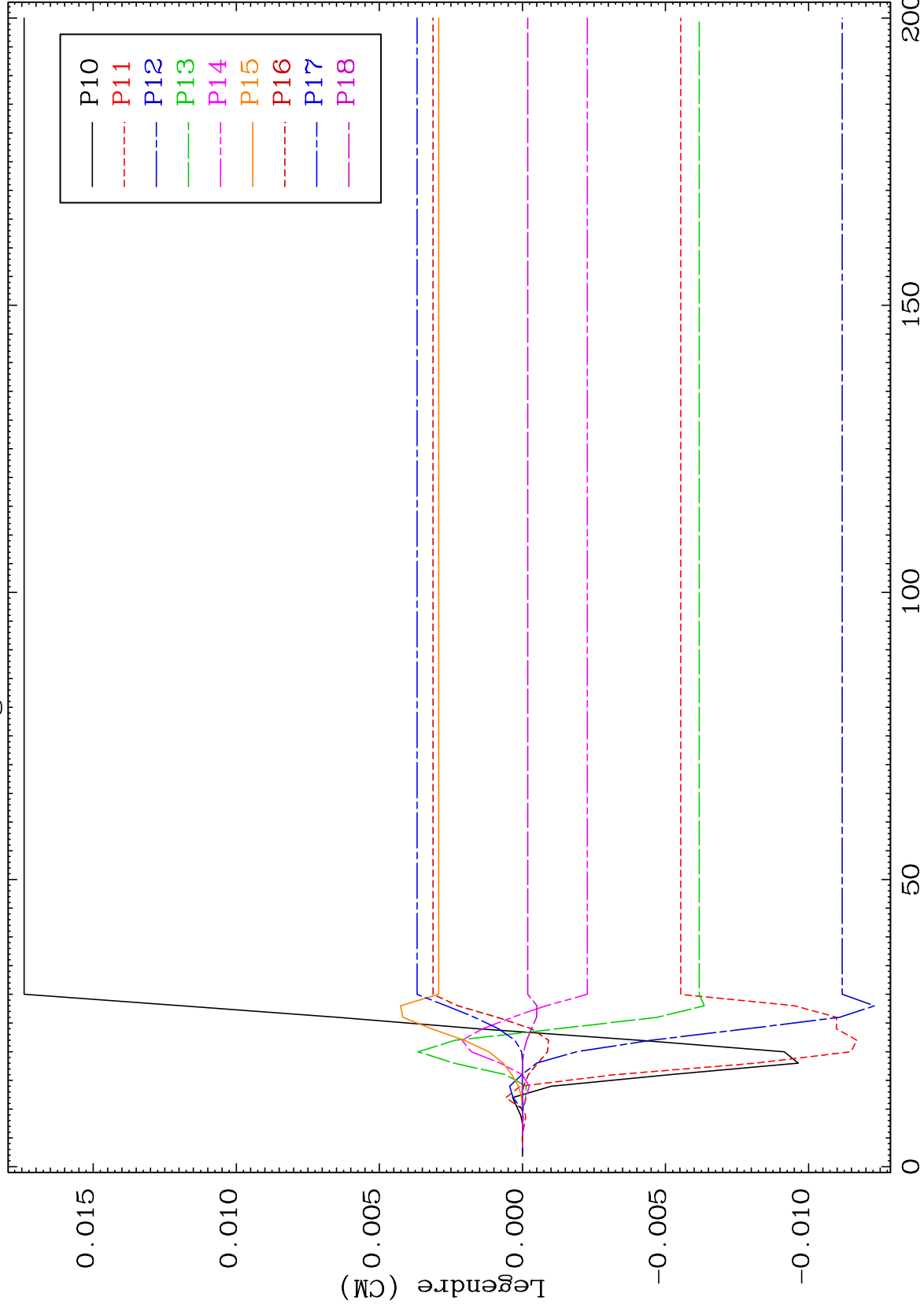
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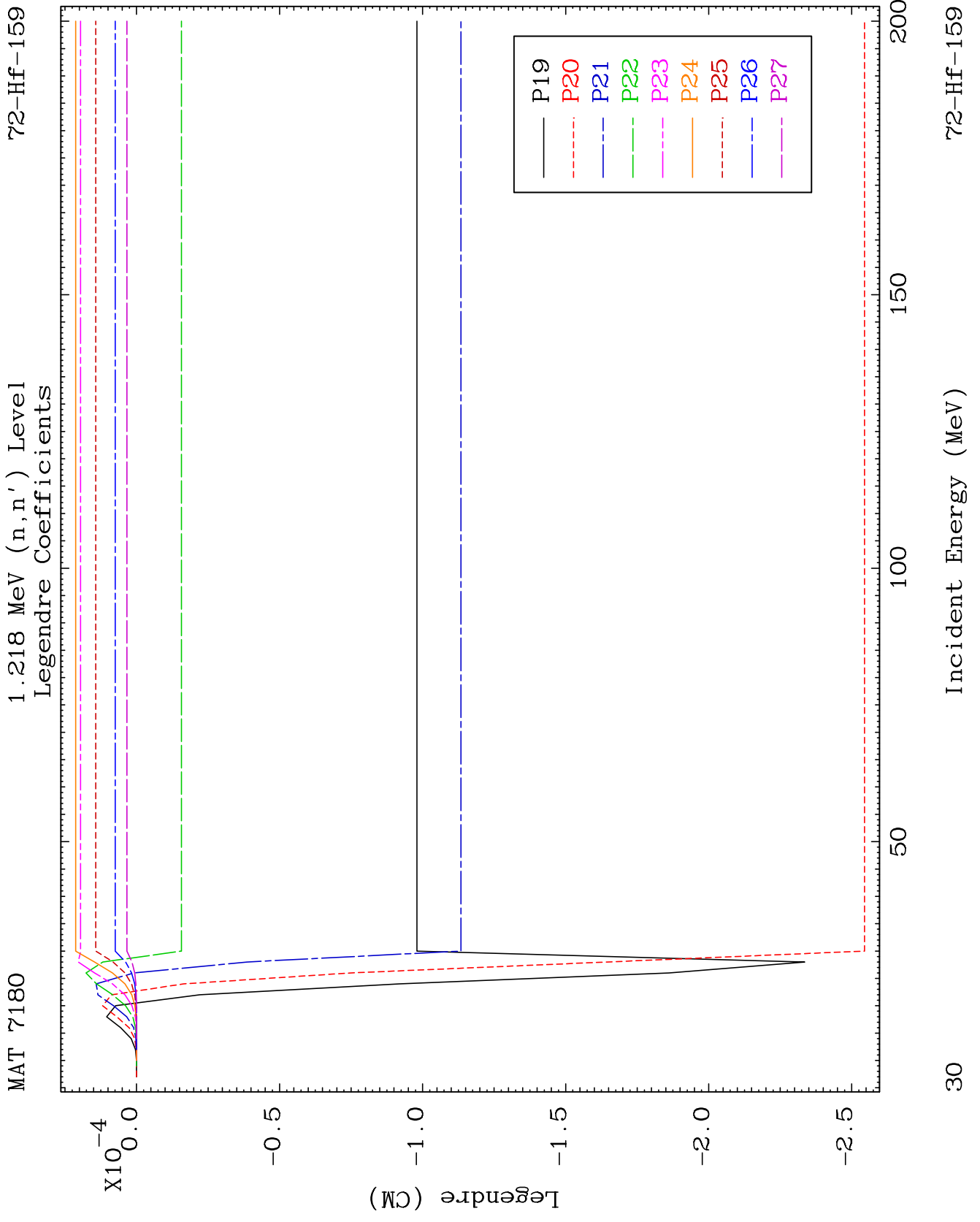


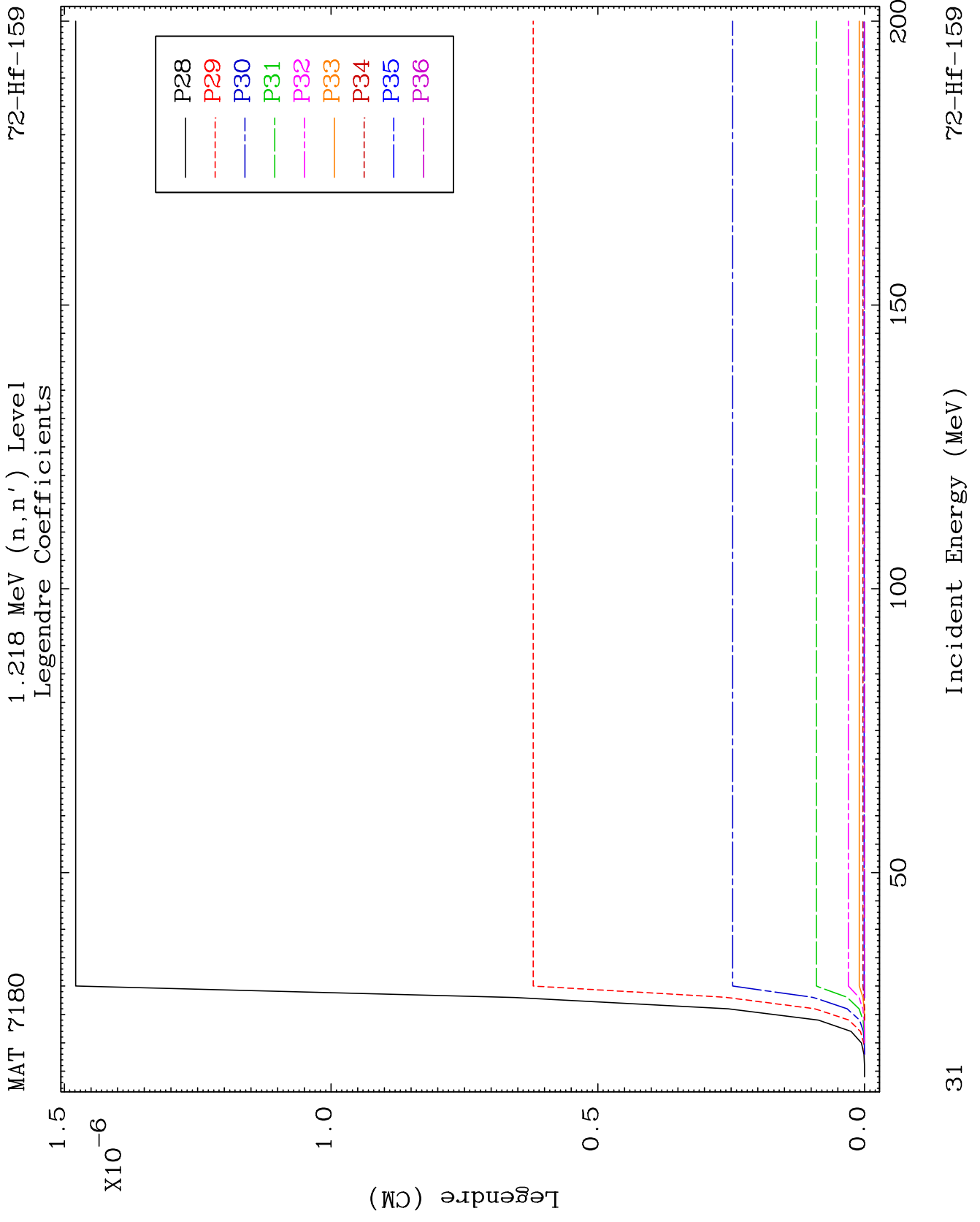
28

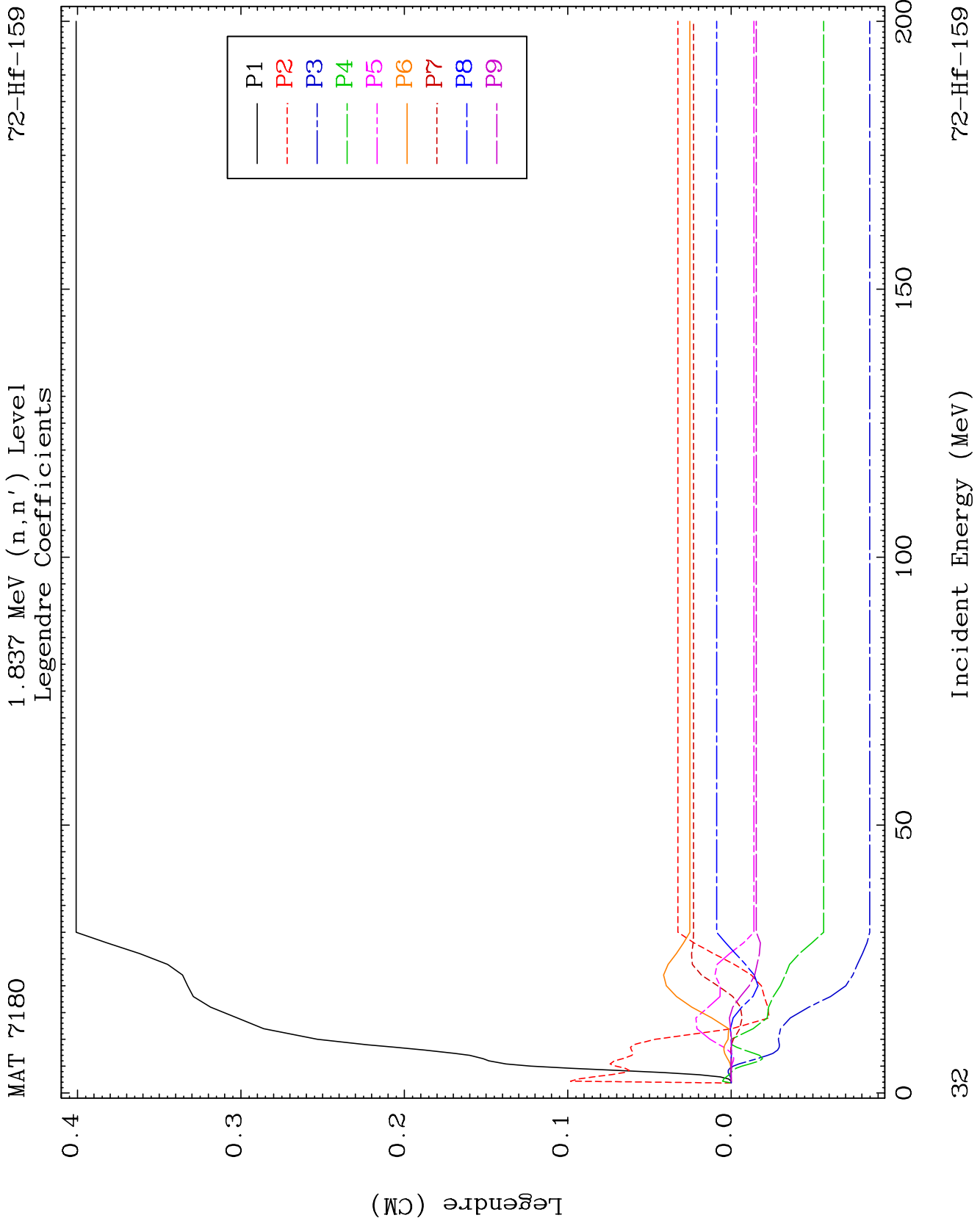
Incident Energy (MeV)

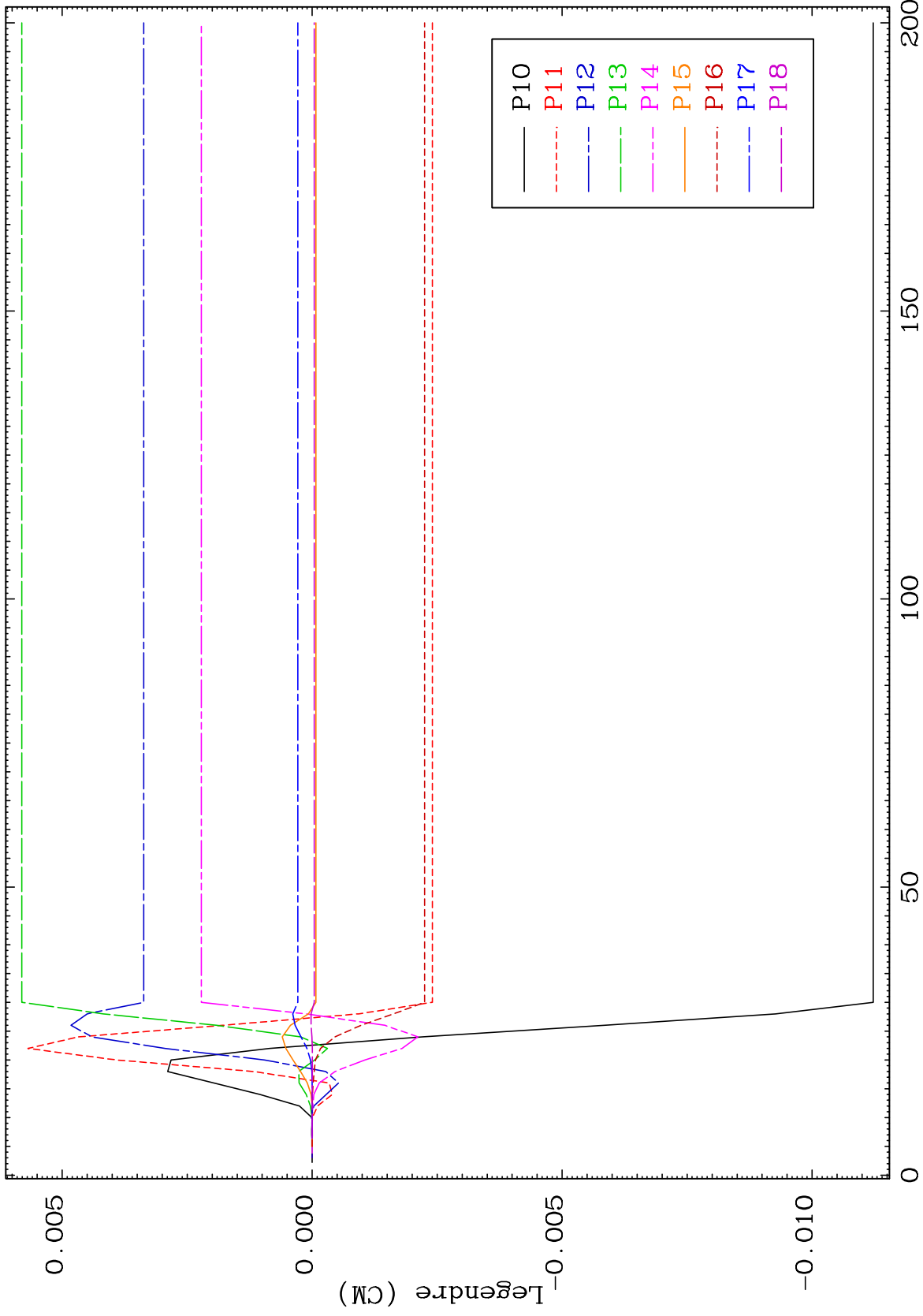
72-Hf-159







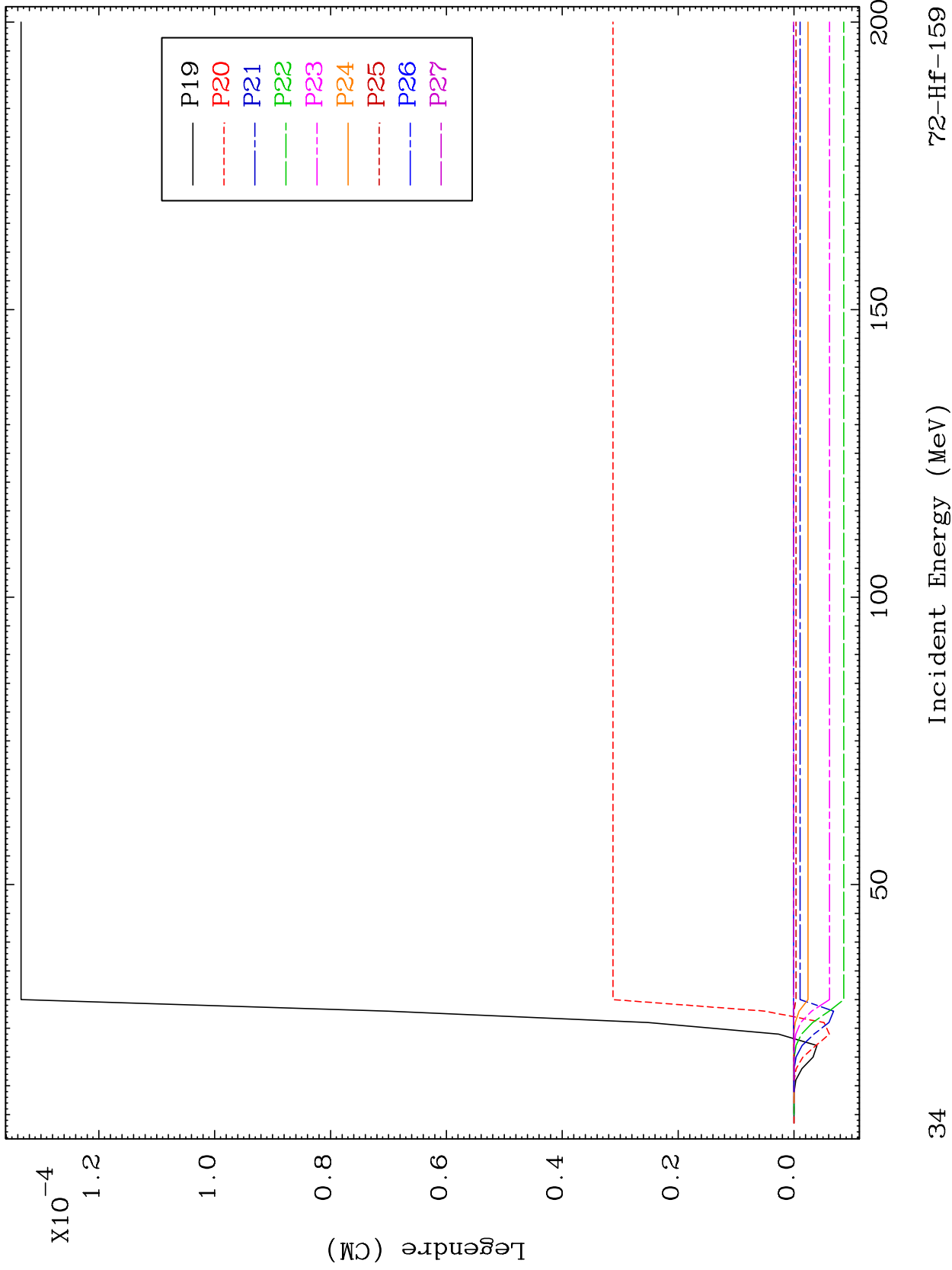




MAT 7180

1.837 MeV (n,n') Level
Legendre Coefficients

72-Hf-159



34

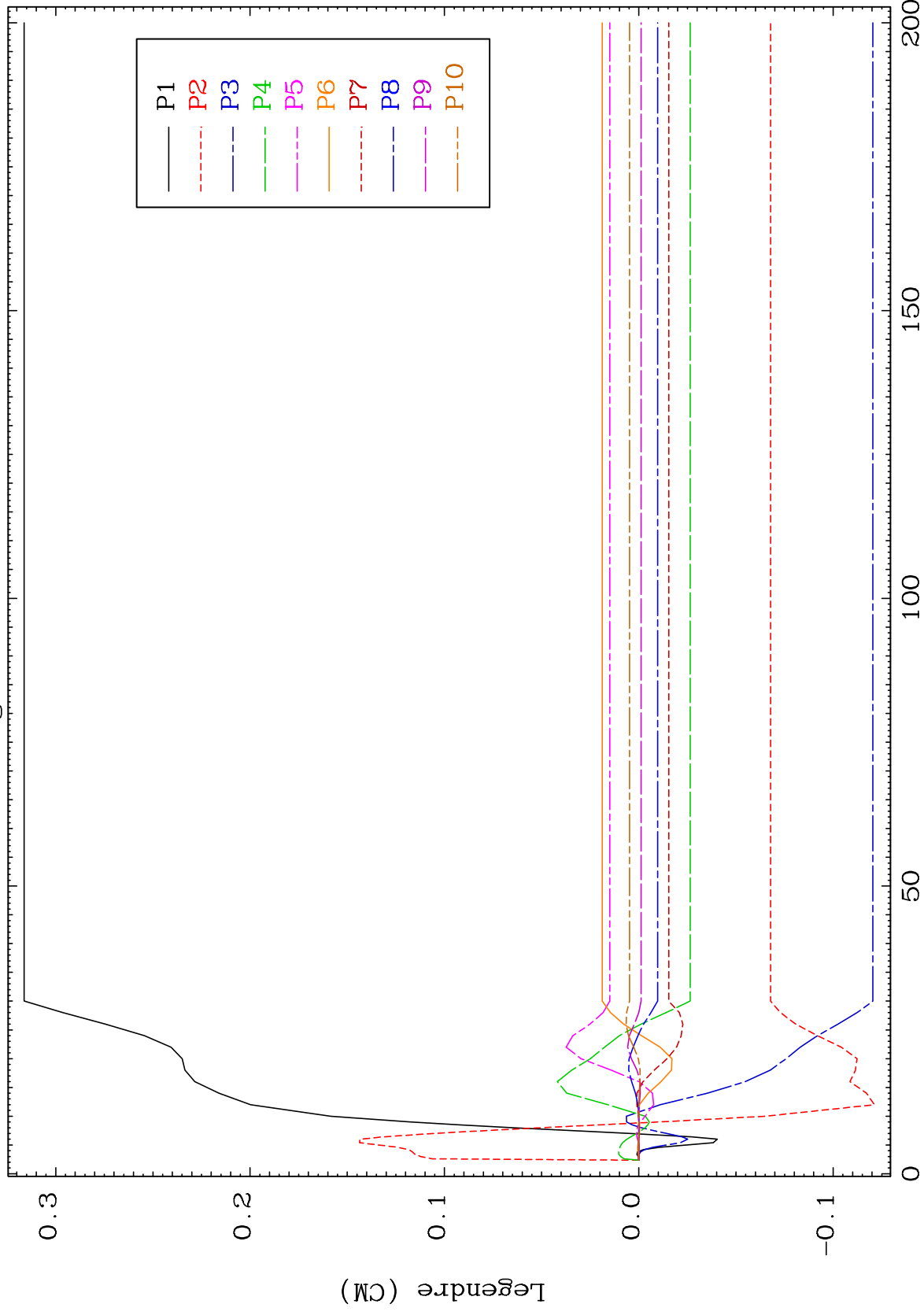
Incident Energy (MeV)

72-Hf-159

MAT 7180

2.339 MeV (n,n') Level
Legendre Coefficients

72-Hf-159



36

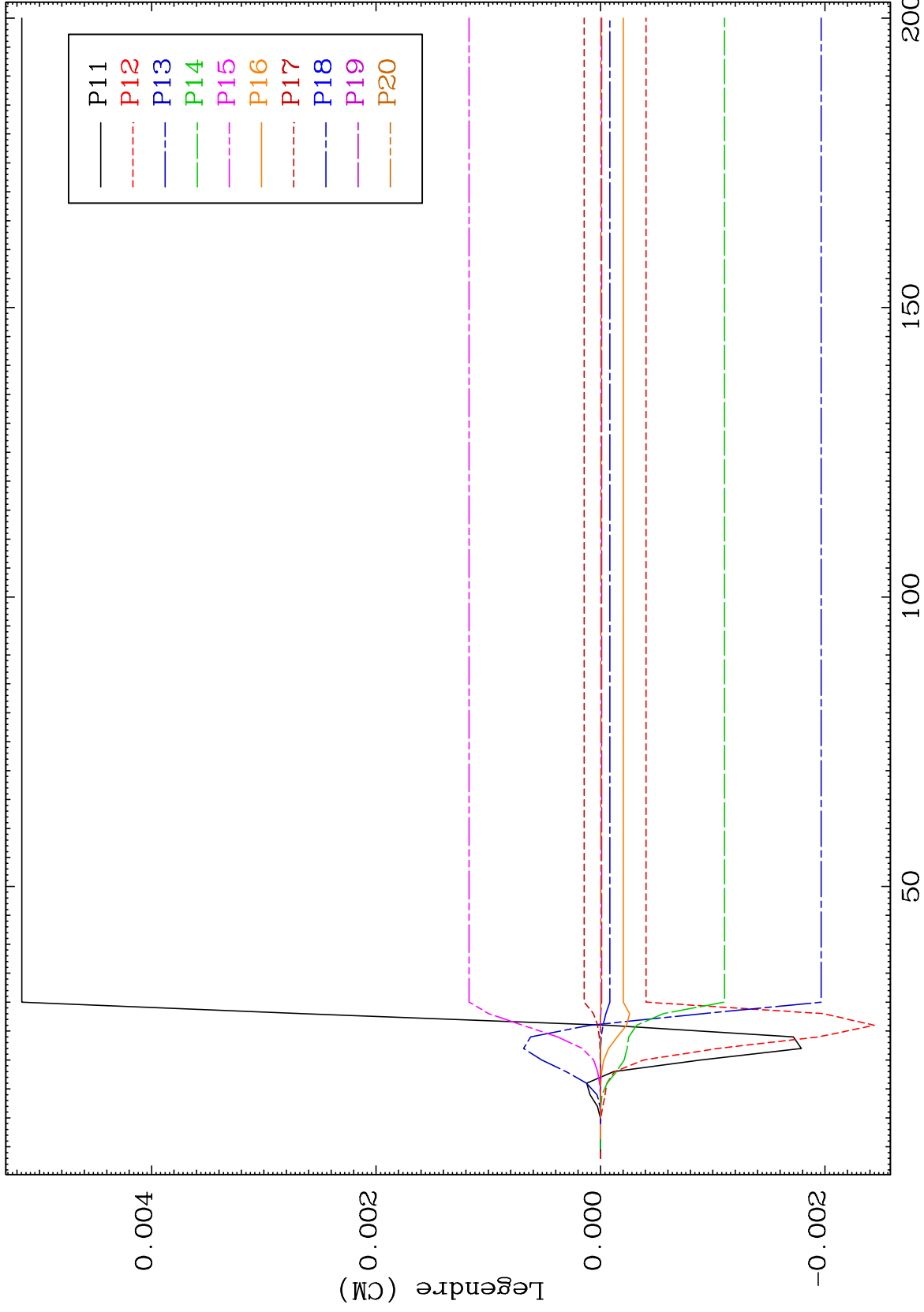
Incident Energy (MeV)

72-Hf-159

MAT 7180

2.339 MeV (n,n') Level
Legendre Coefficients

72-Hf-159



37

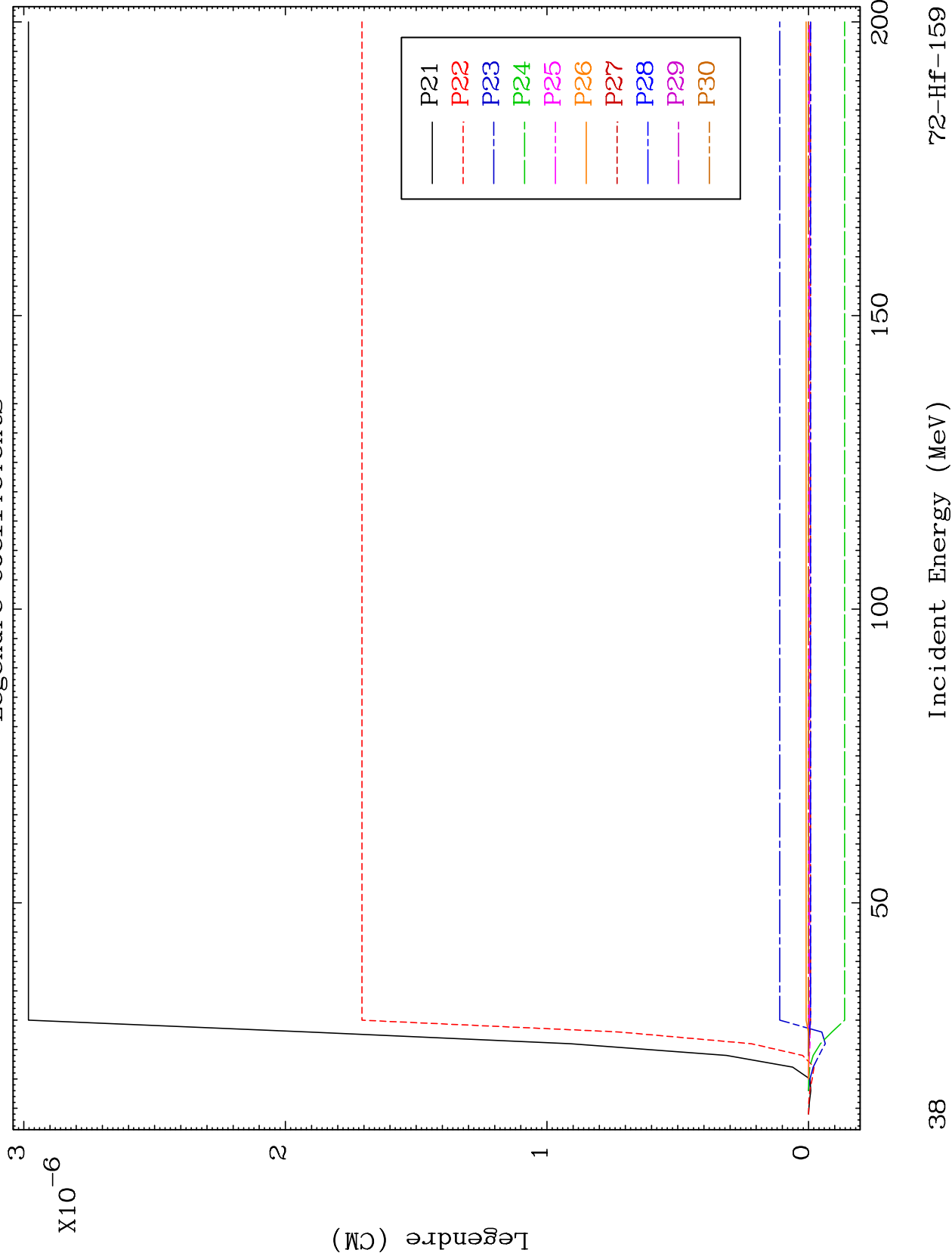
Incident Energy (MeV)

72-Hf-159

MAT 7180

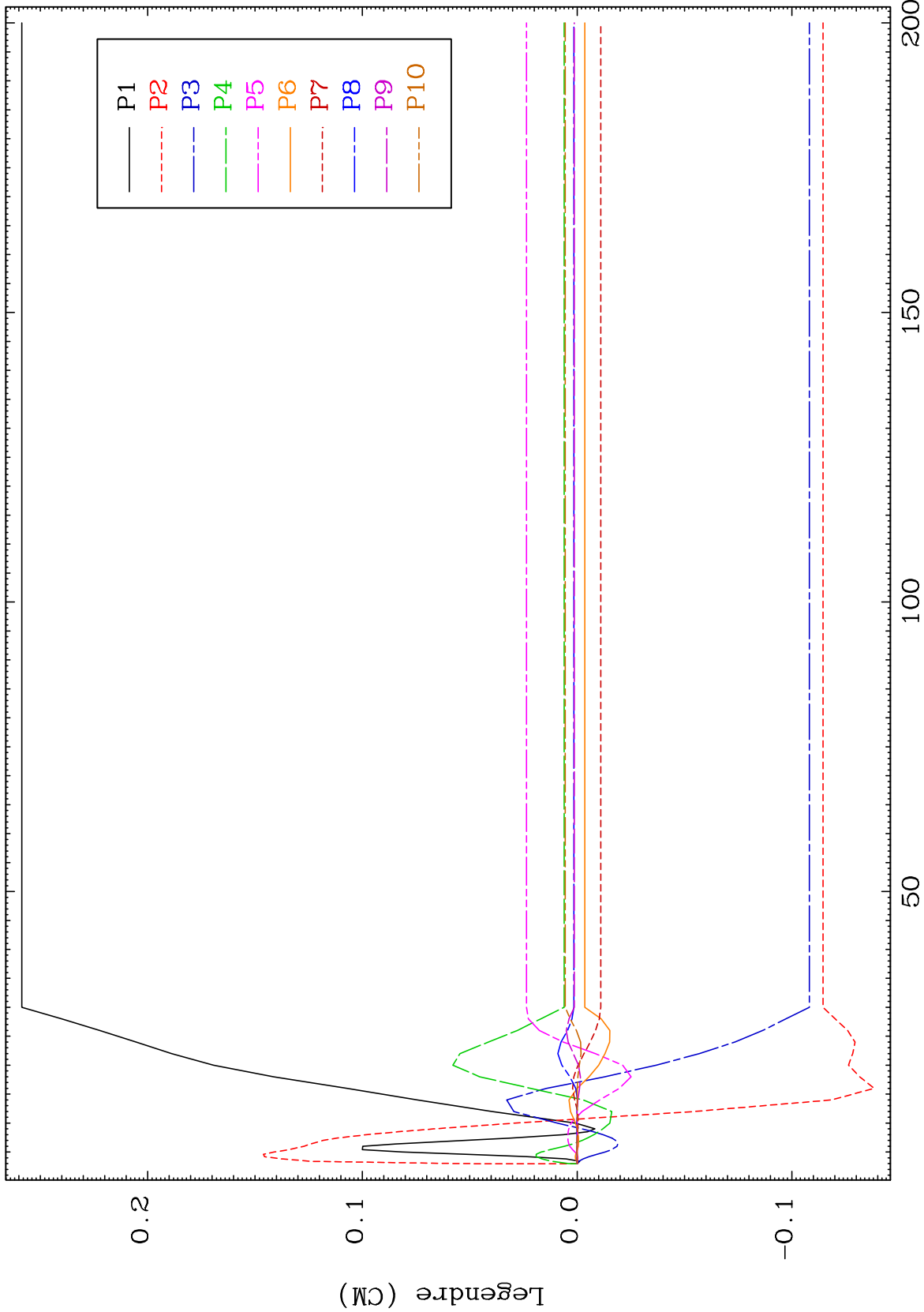
2.339 MeV (n,n') Level
Legendre Coefficients

72-Hf-159



38

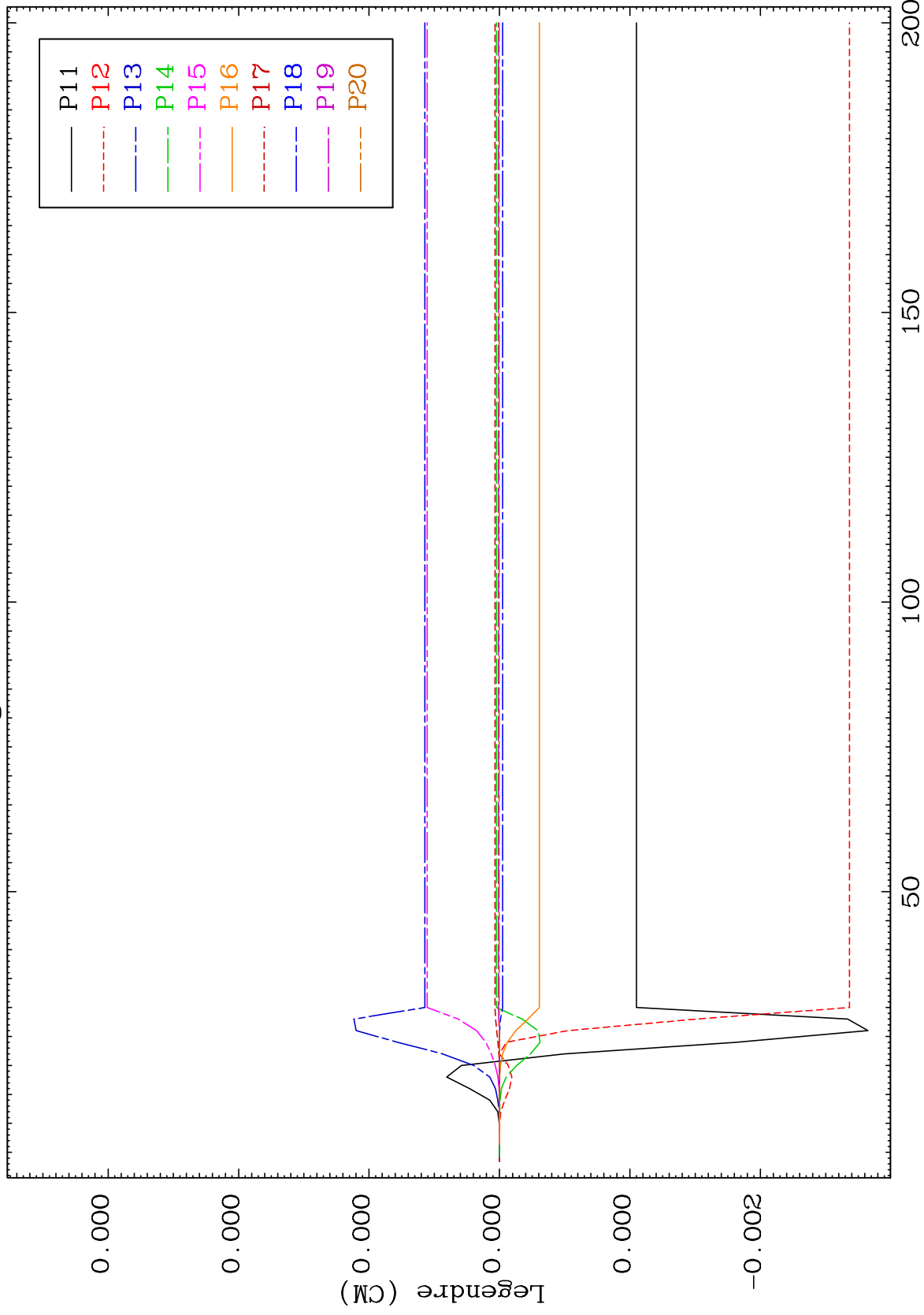
200



MAT 7180

2.949 MeV (n,n') Level
Legendre Coefficients

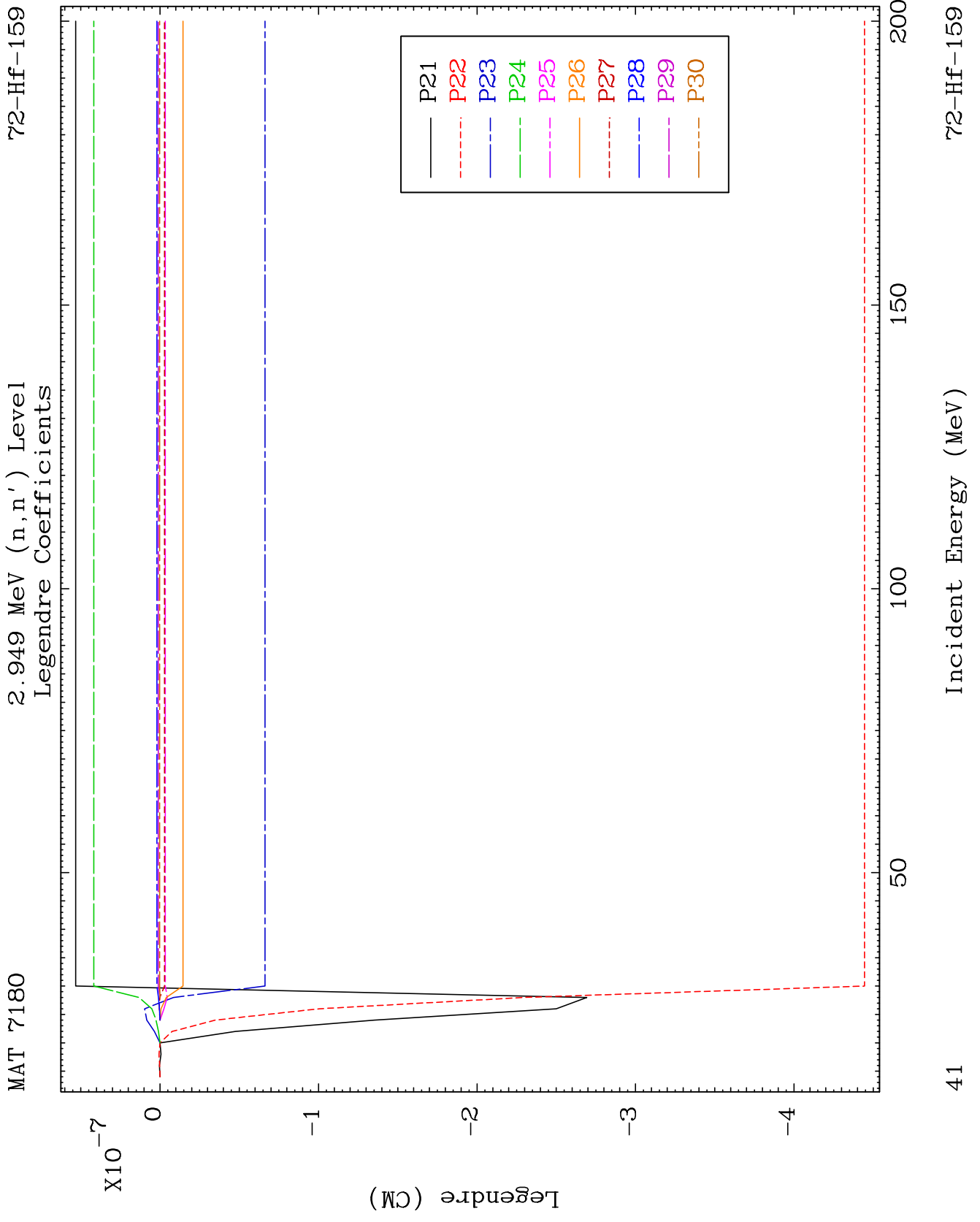
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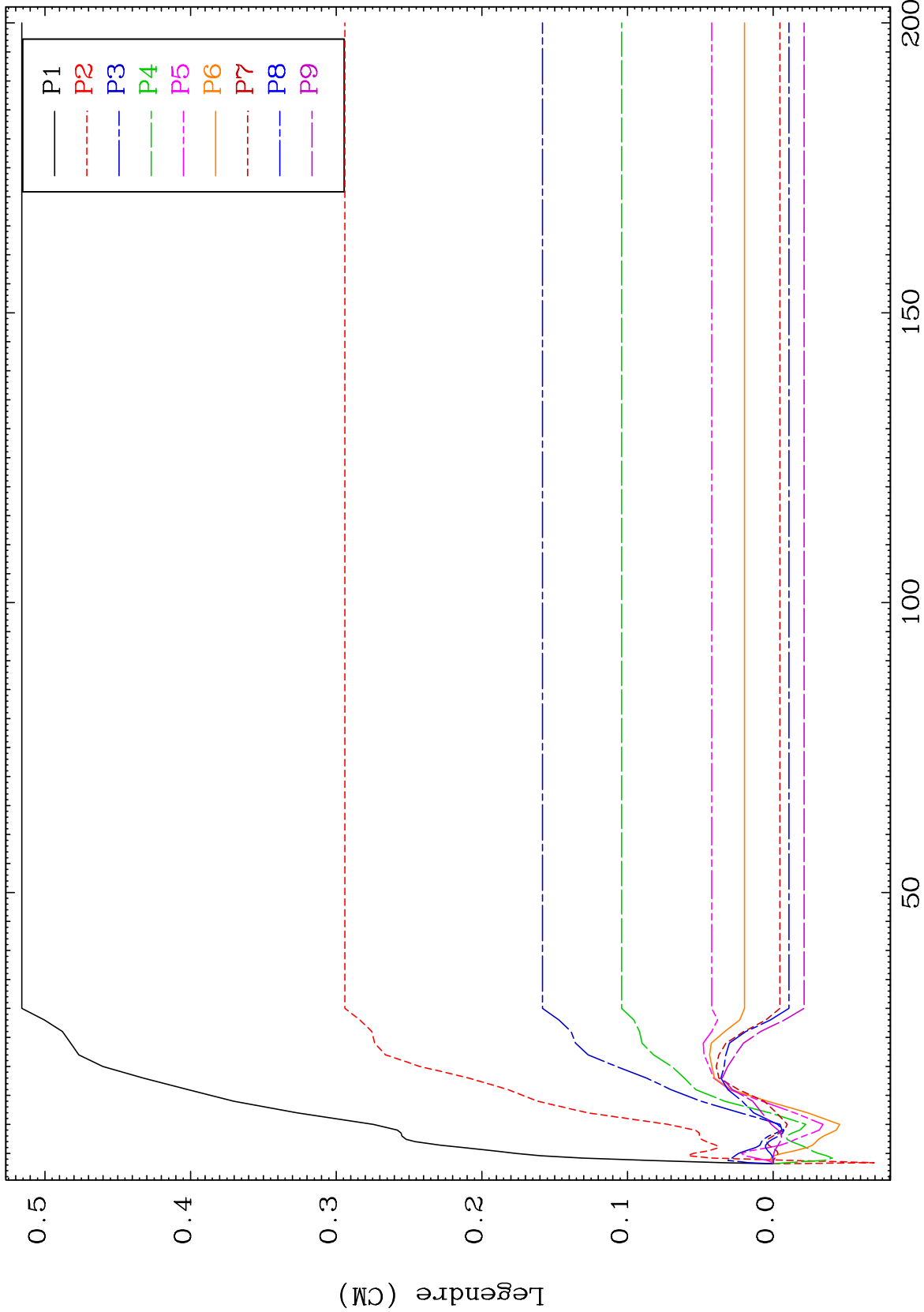


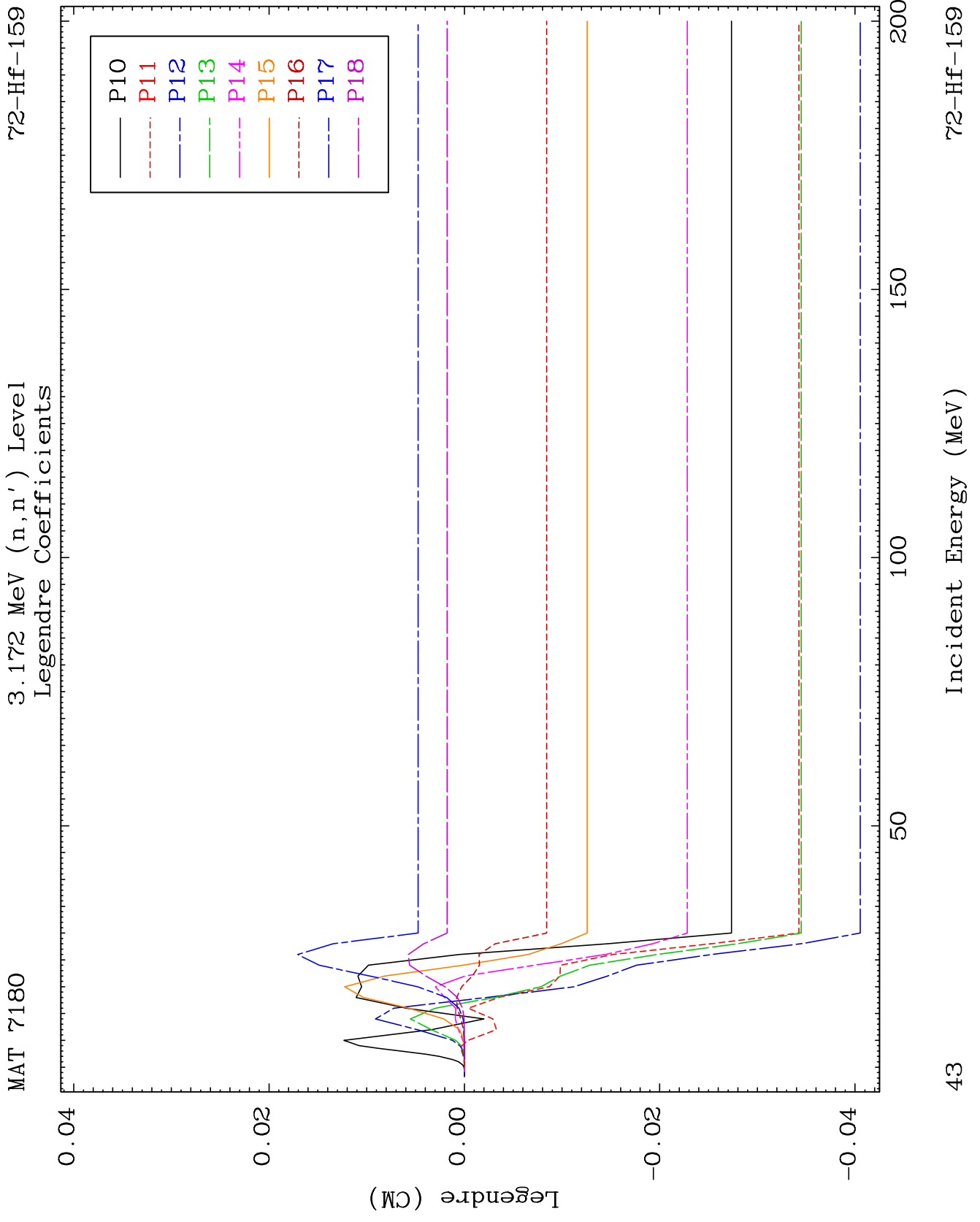
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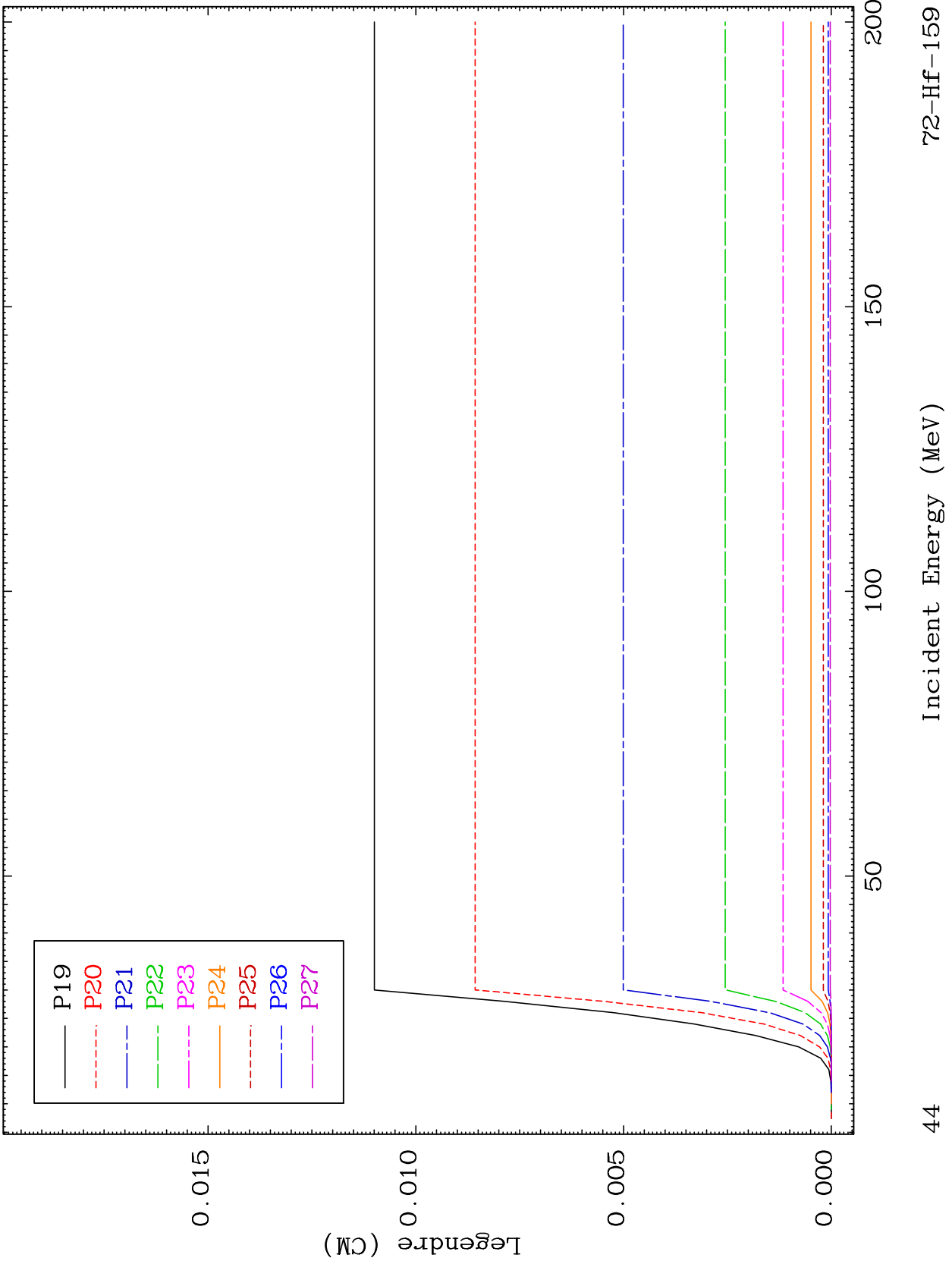
Incident Energy (MeV)

72-Hf-159





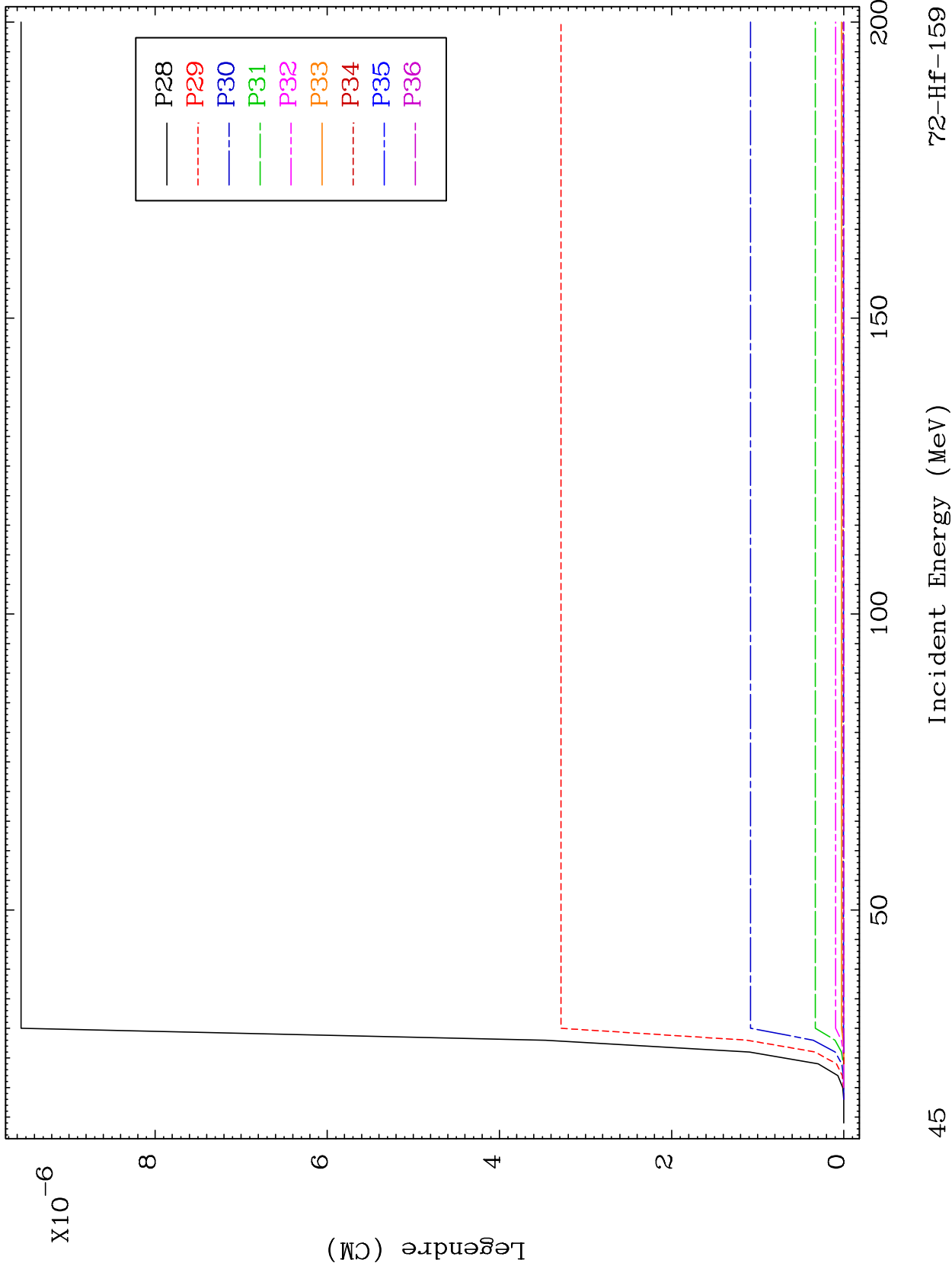




MAT 7180

3.172 MeV (n,n') Level
Legendre Coefficients

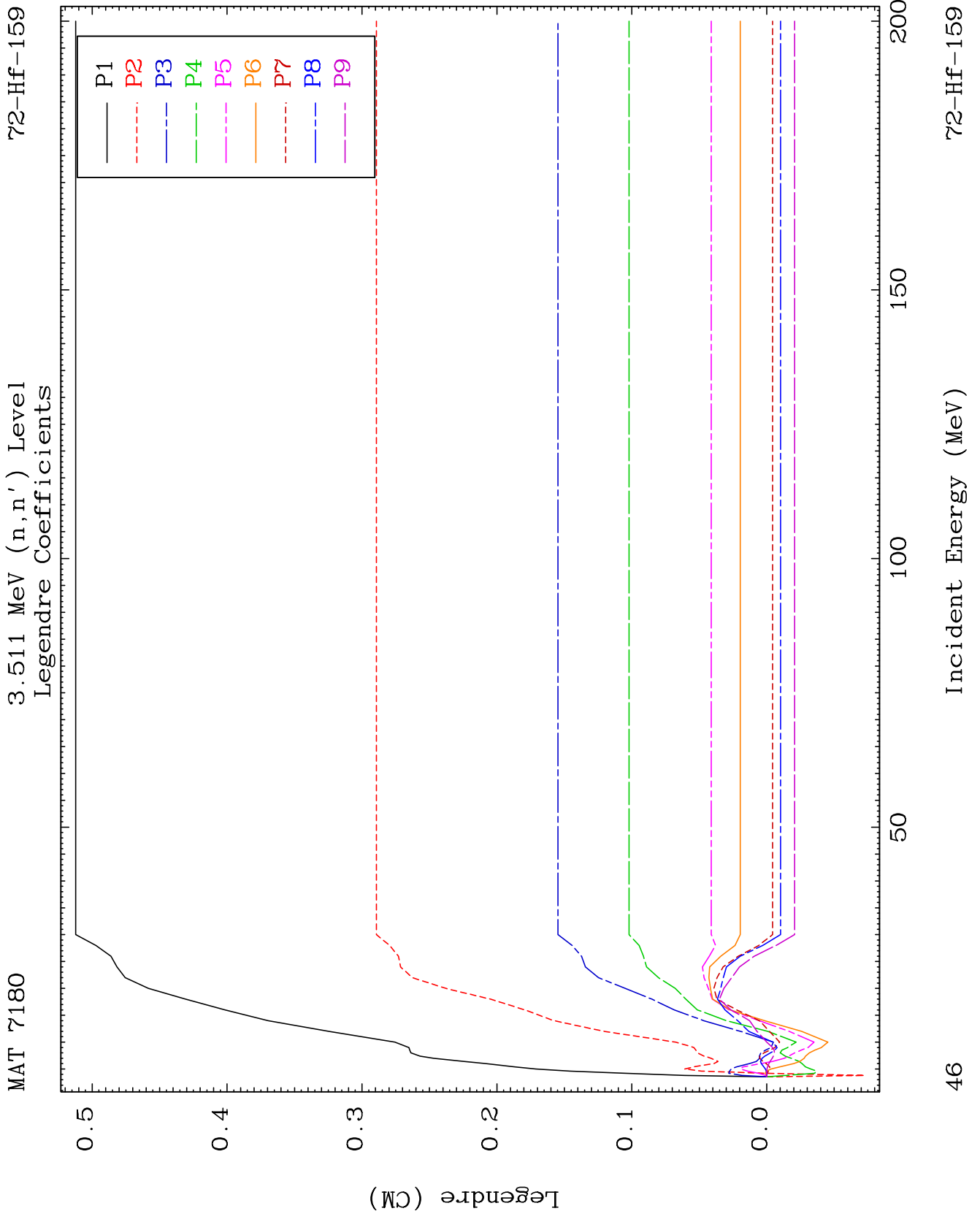
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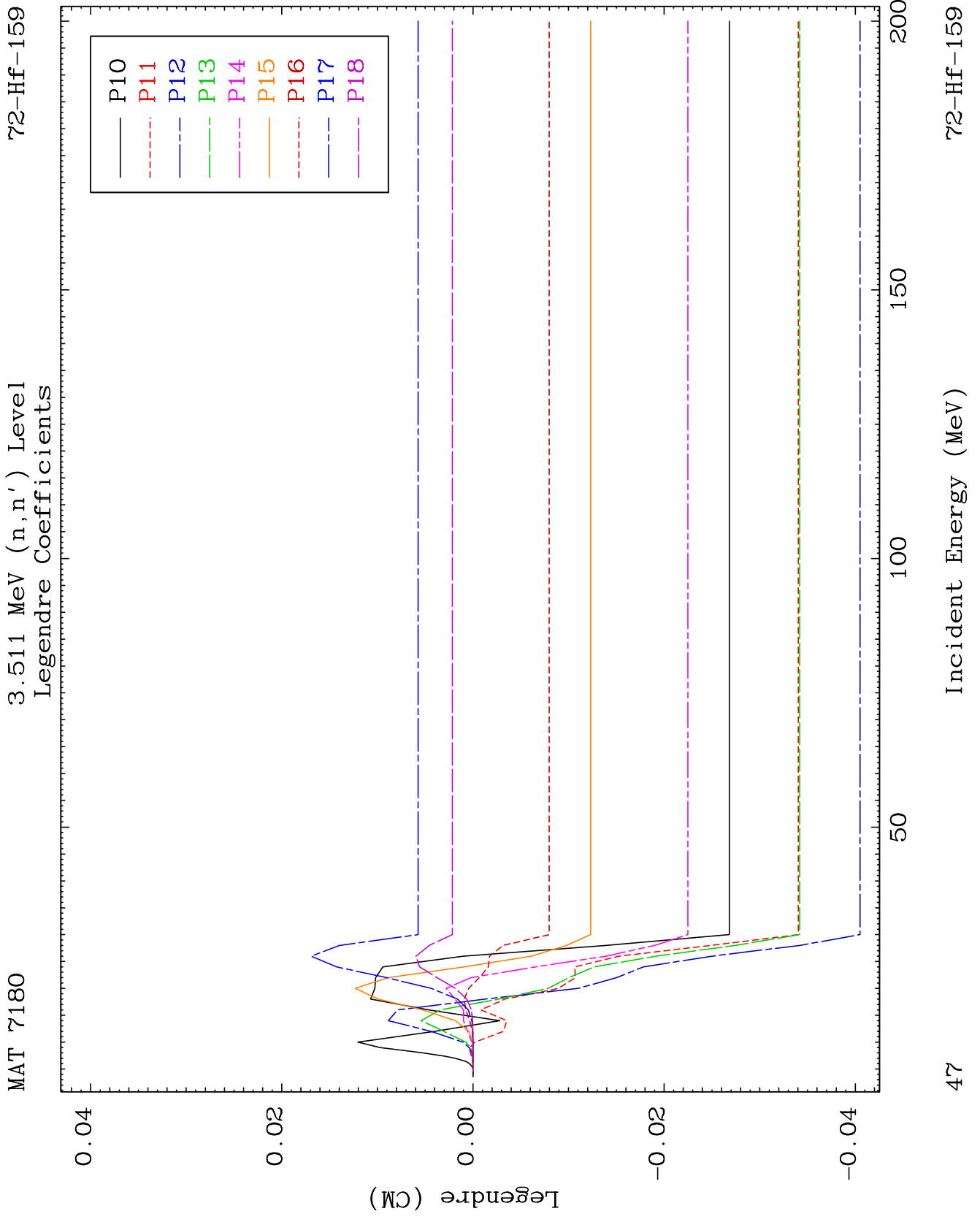


45

Incident Energy (MeV)

72-Hf-159

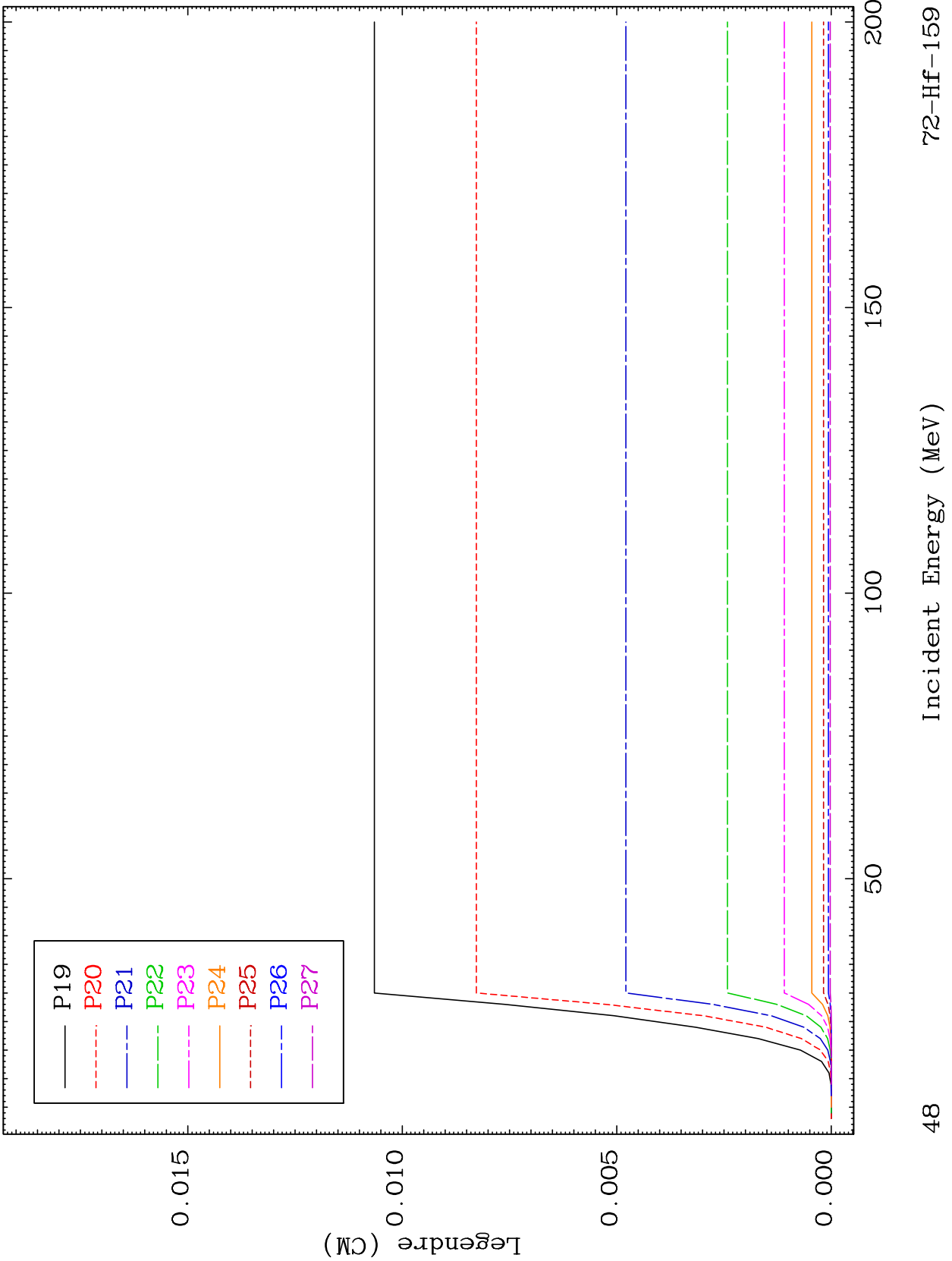




MAT 7180

3.511 MeV (n,n') Level
Legendre Coefficients

72-Hf-159



48

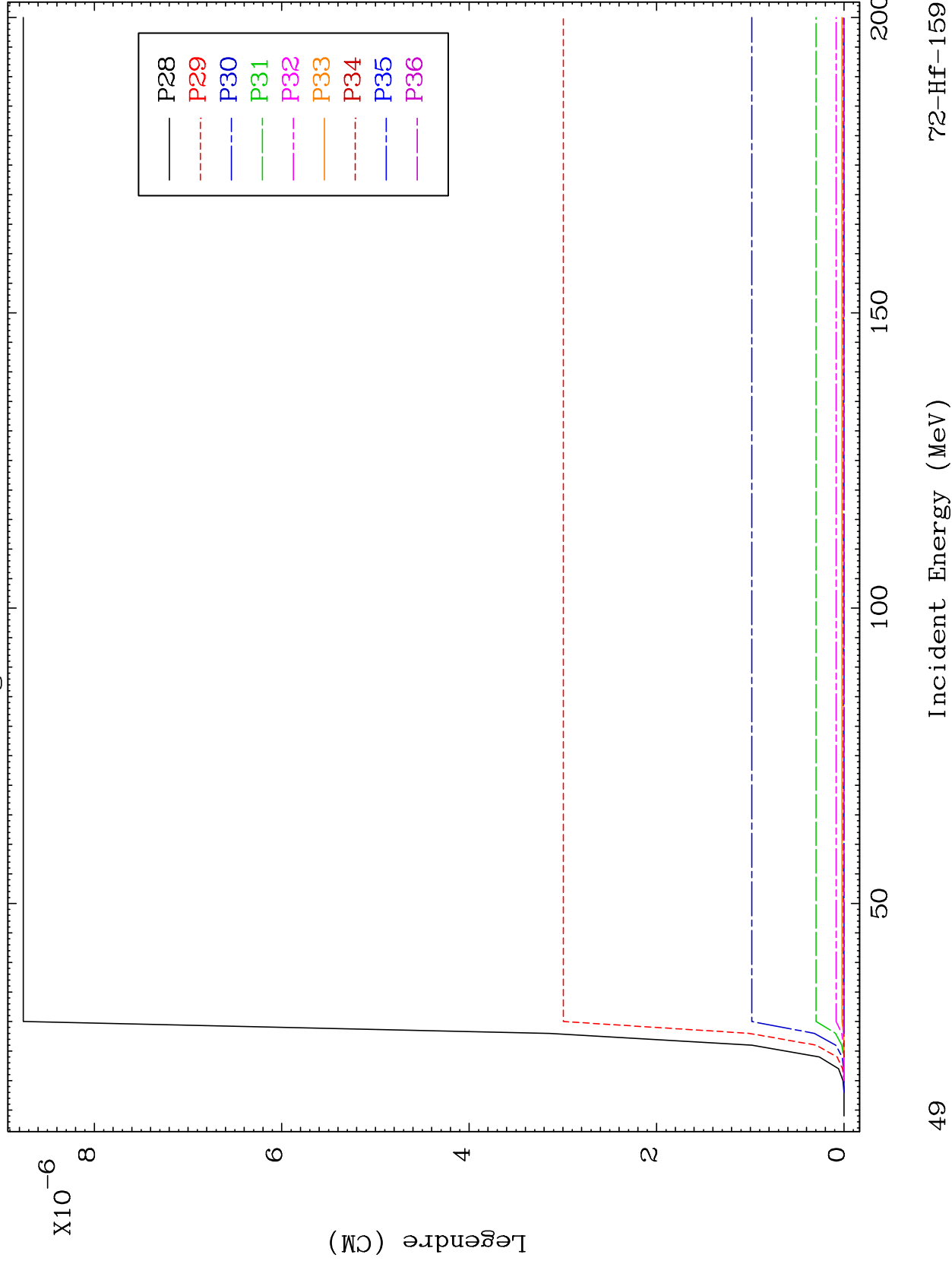
Incident Energy (MeV)

72-Hf-159

MAT 7180

3.511 MeV (n,n') Level
Legendre Coefficients

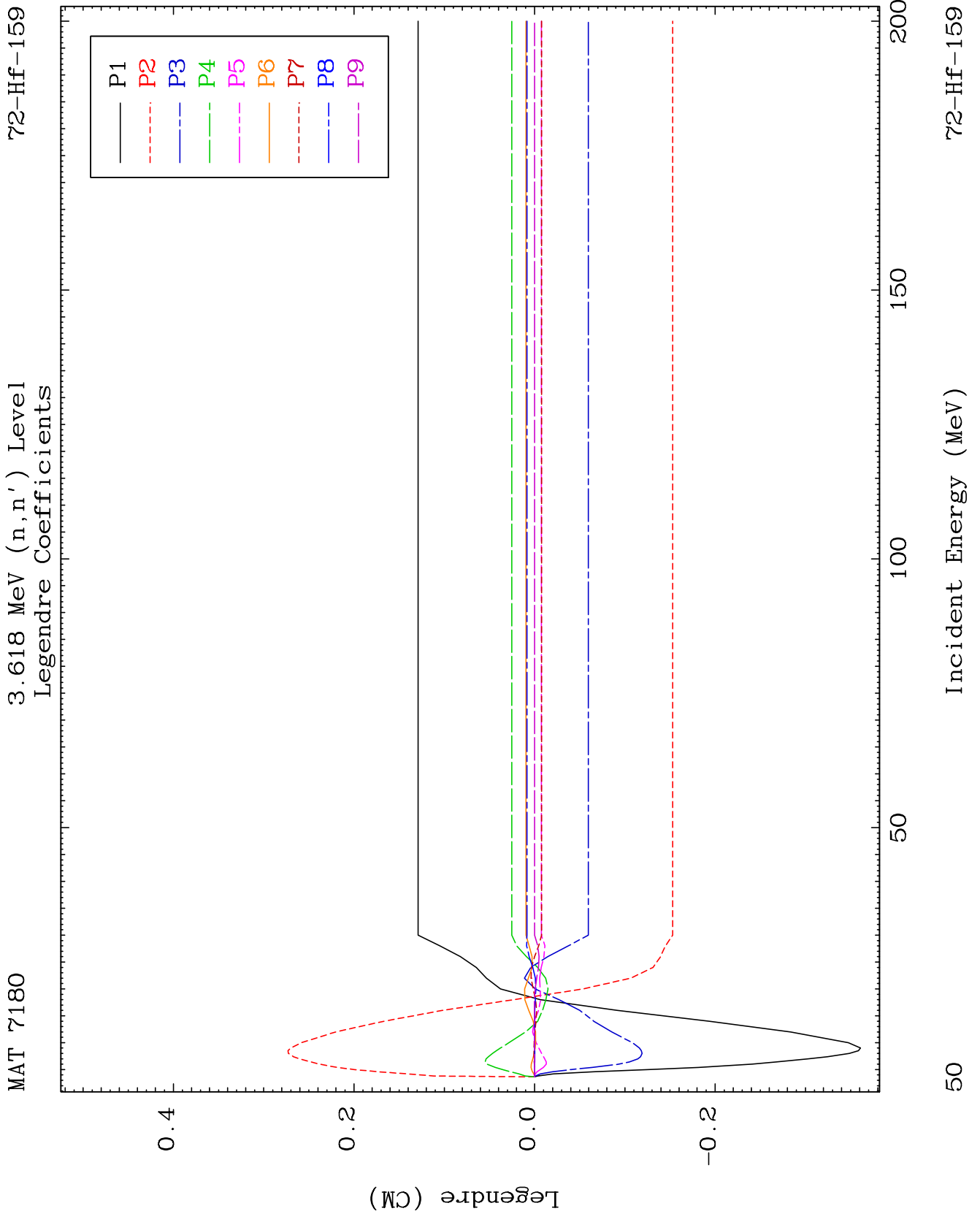
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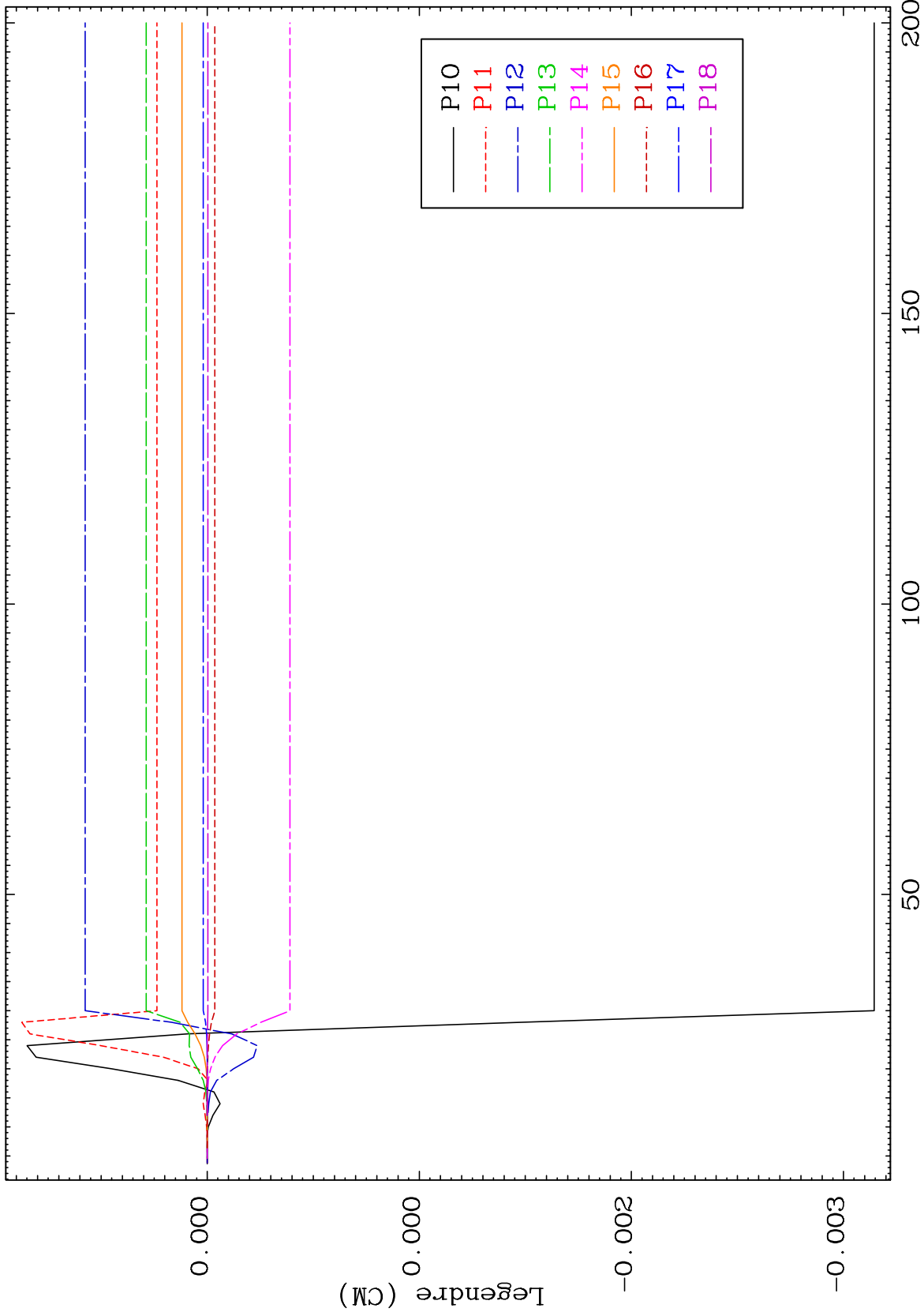


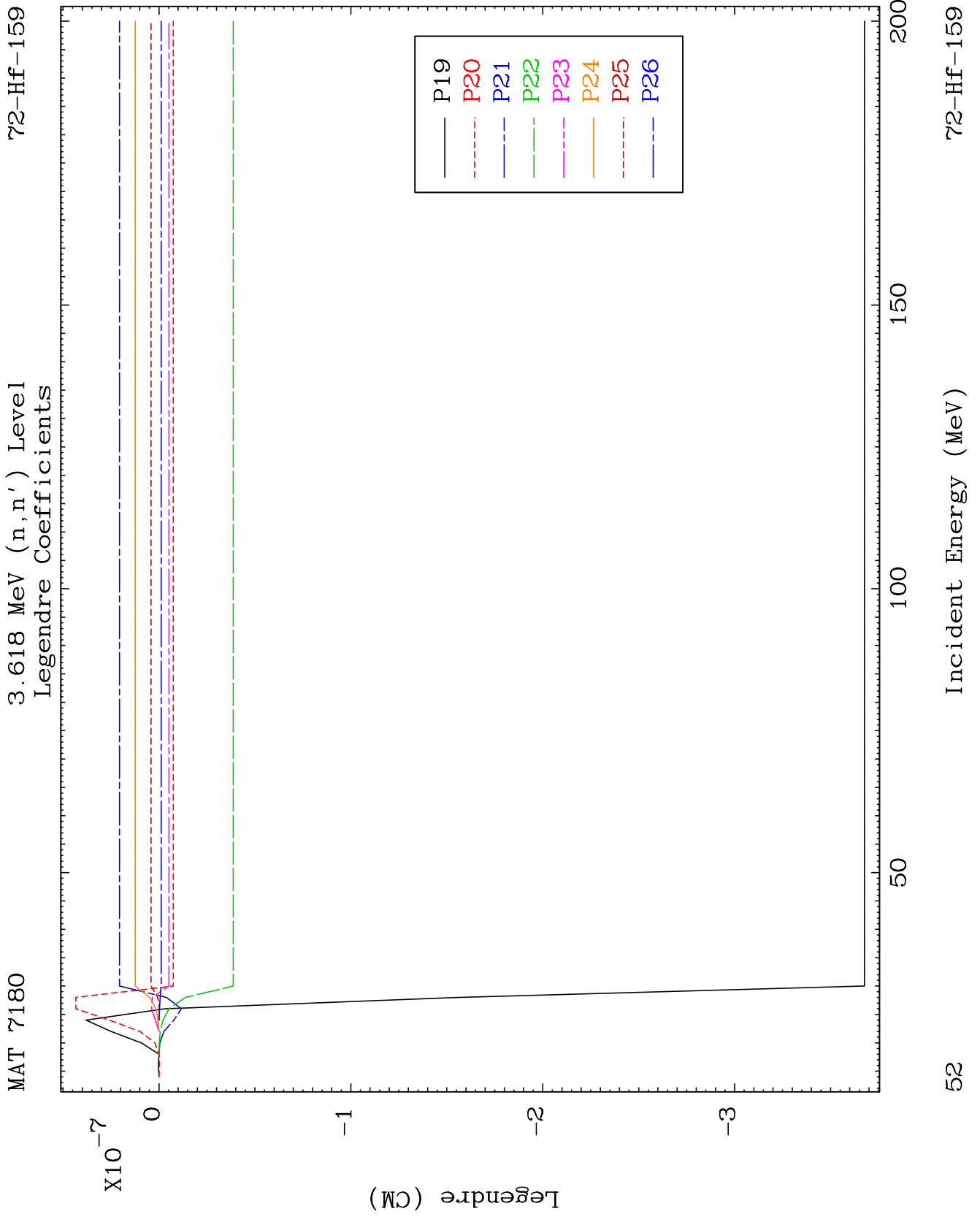
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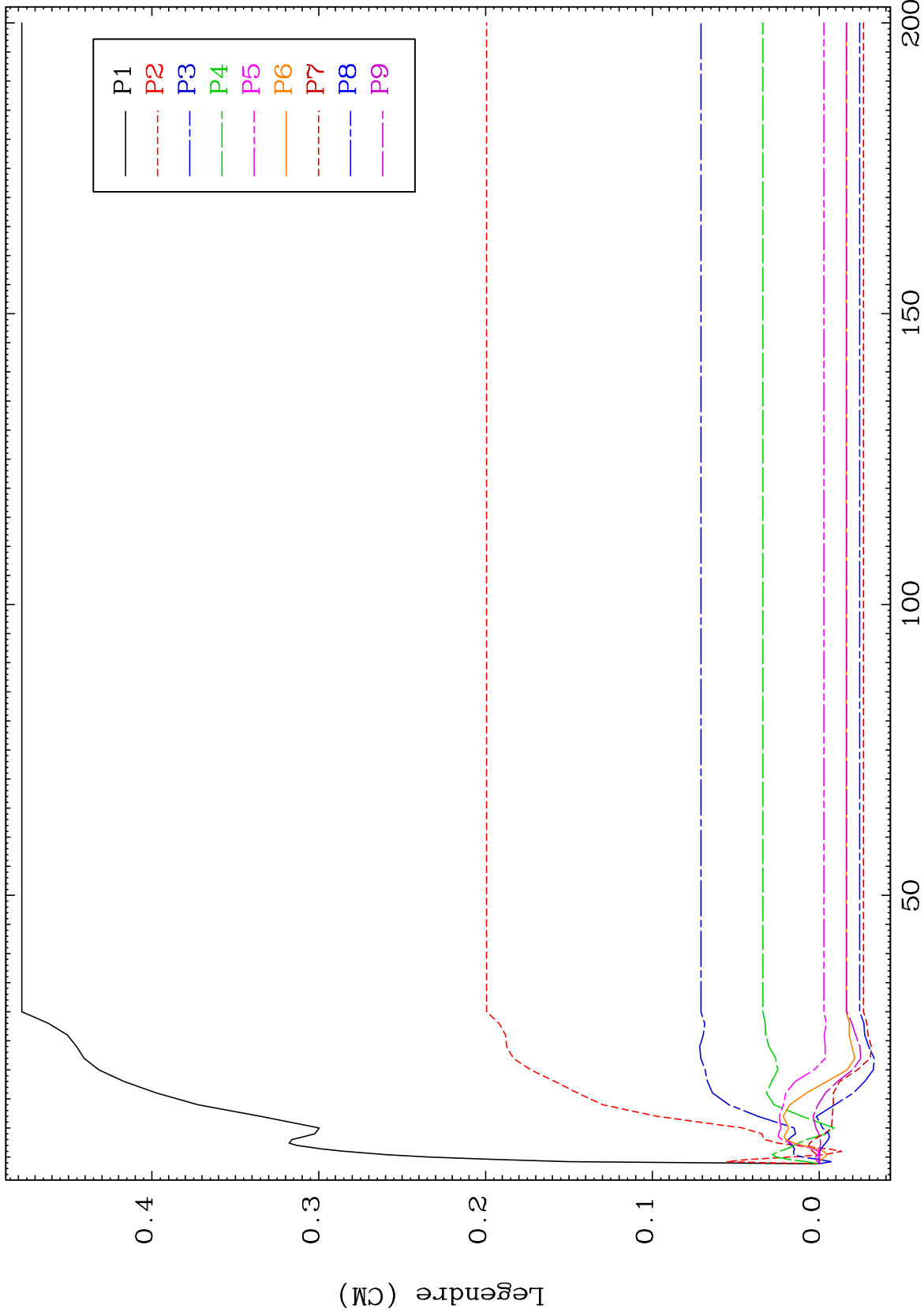
Incident Energy (MeV)

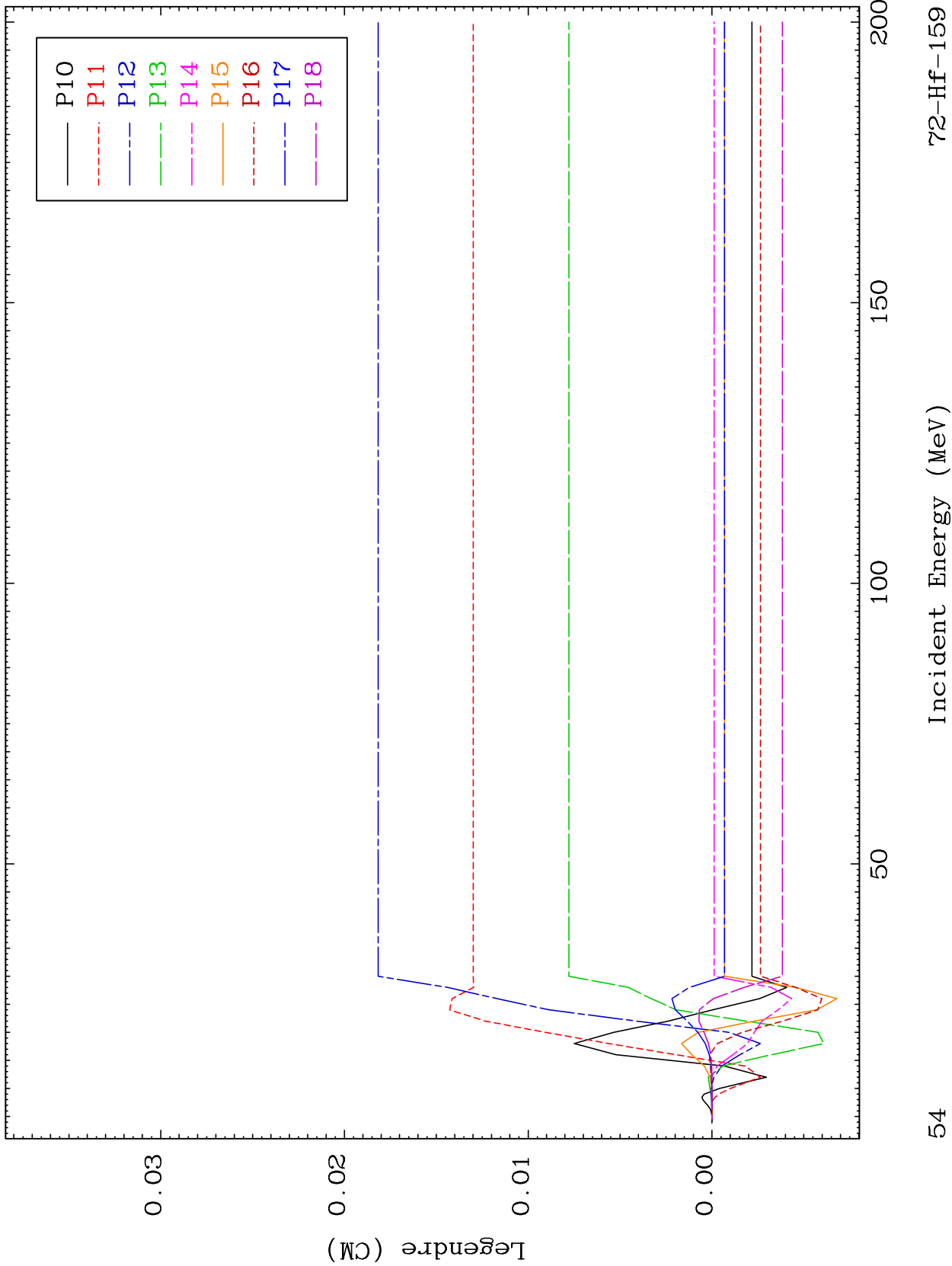
72-Hf-159







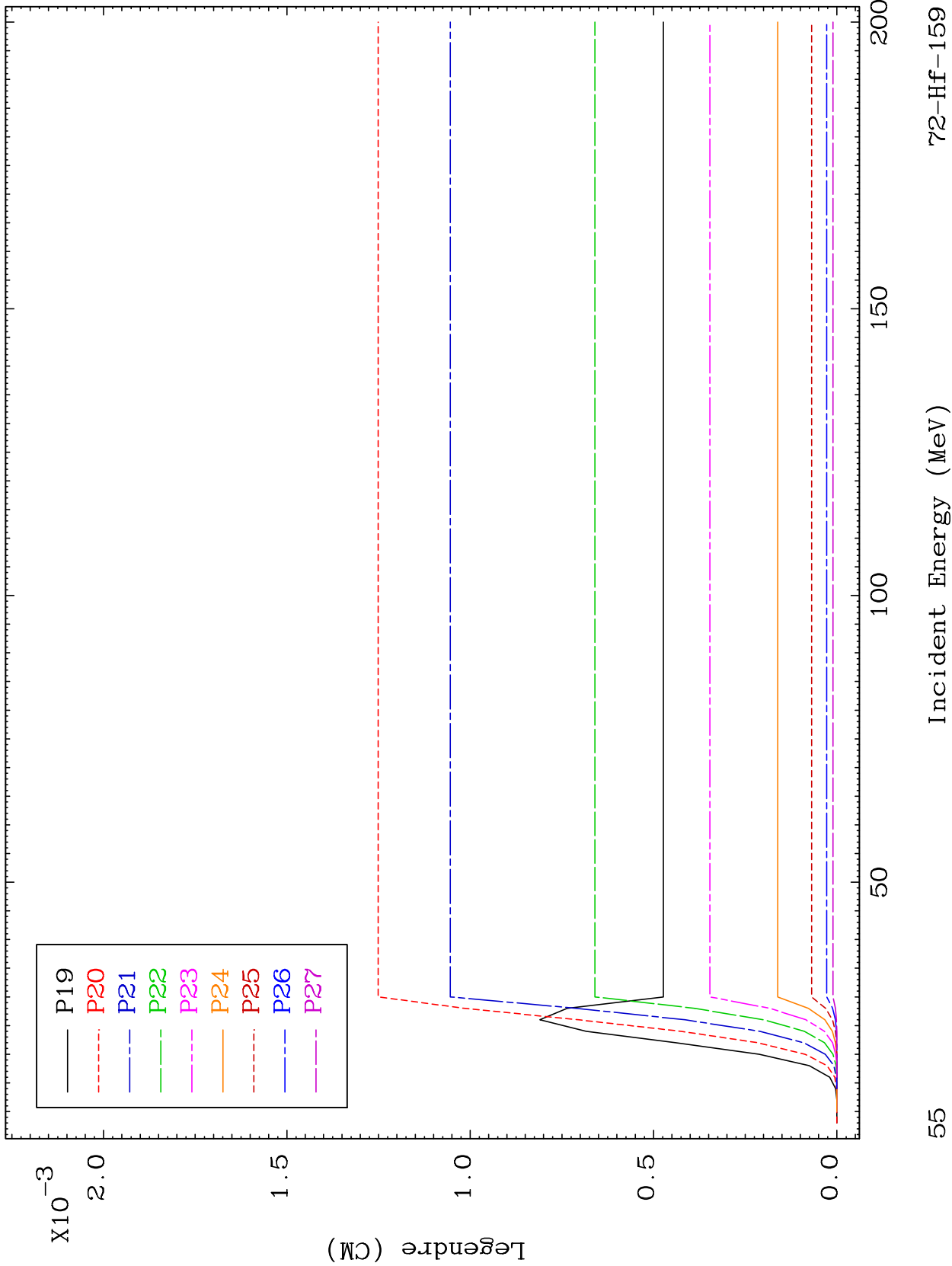




MAT 7180

3.814 MeV (n, n') Level
Legendre Coefficients

72-Hf-159



55

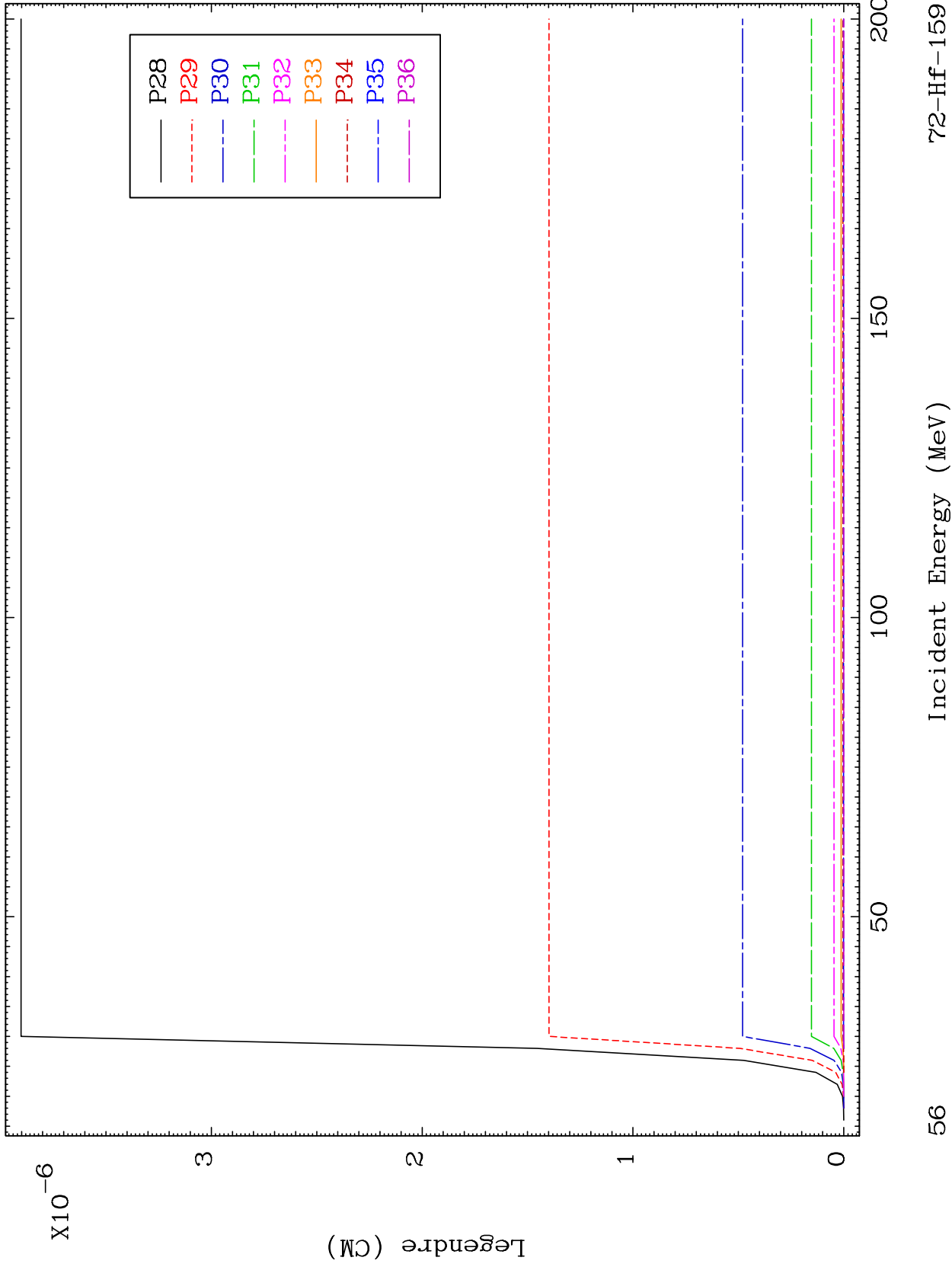
Incident Energy (MeV)

72-Hf-159

MAT 7180

3.814 MeV (n,n') Level
Legendre Coefficients

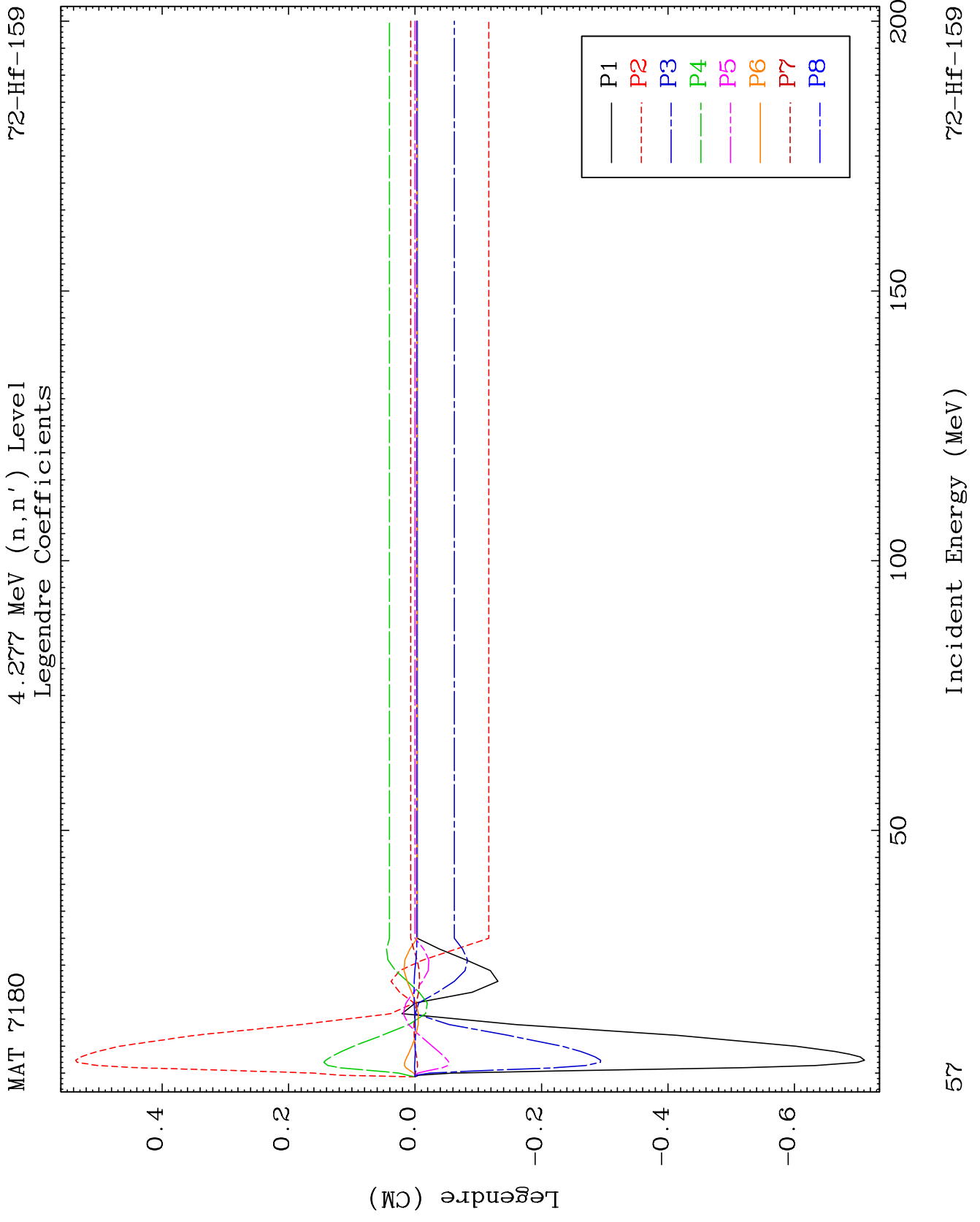
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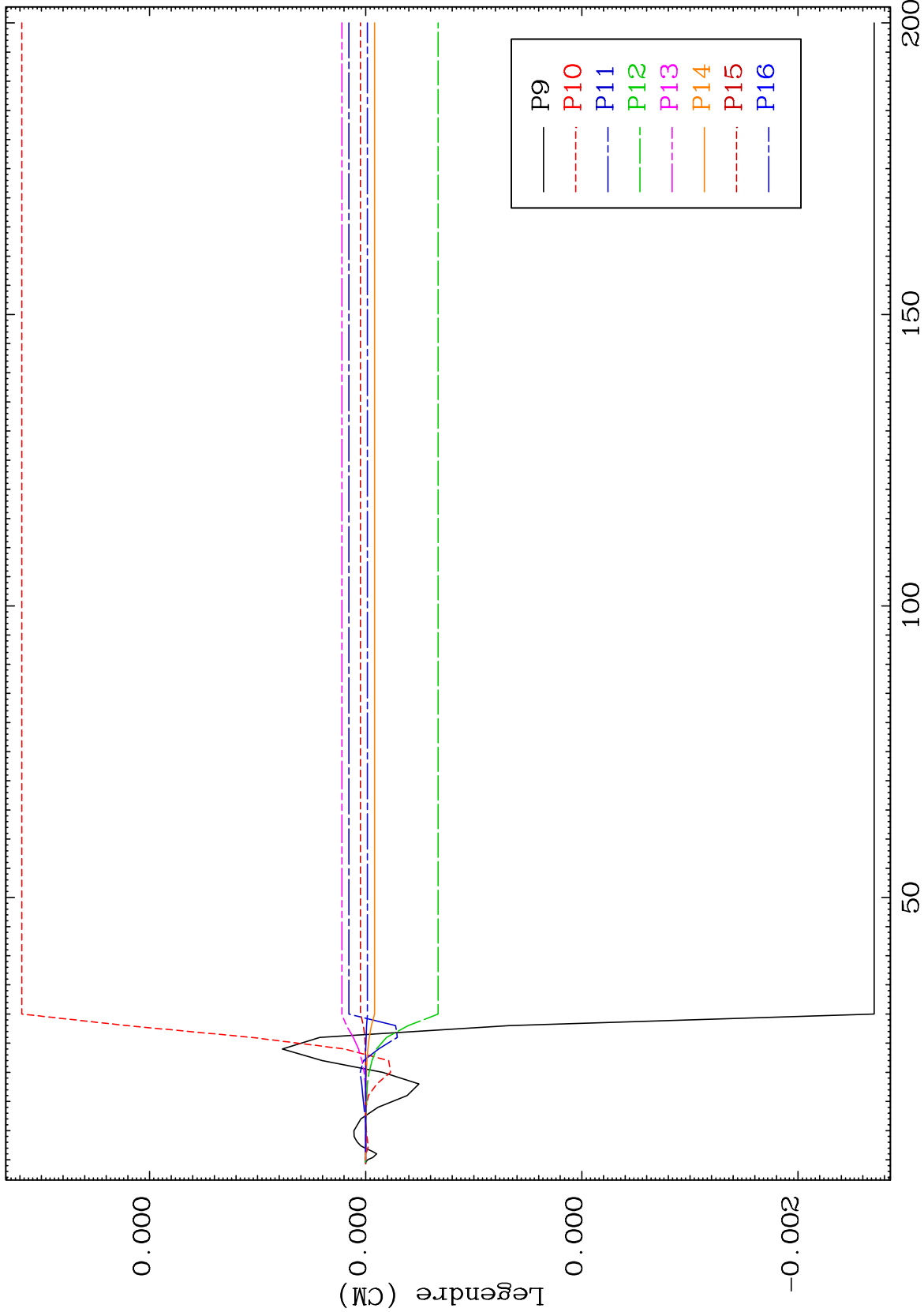


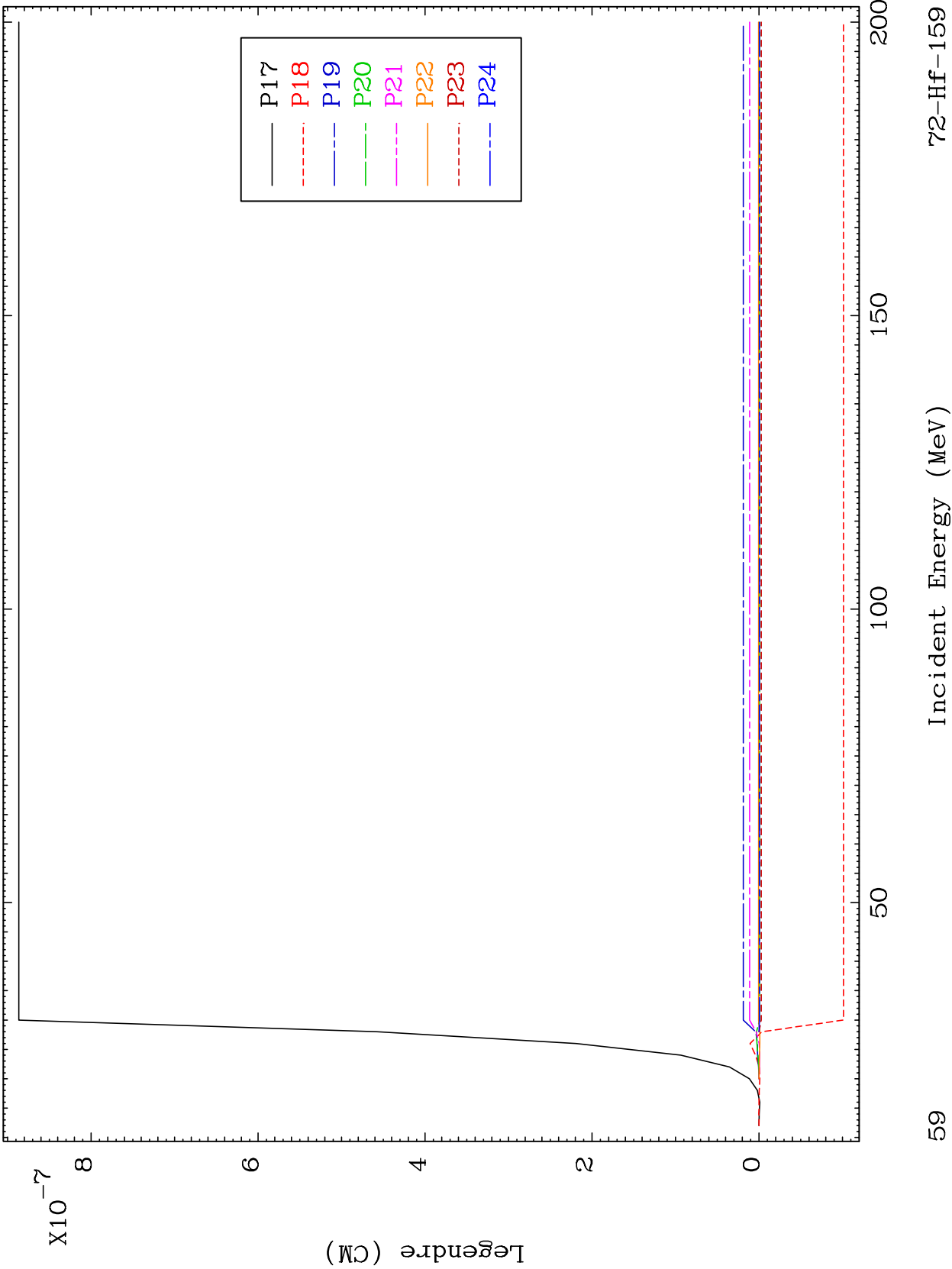
56

Incident Energy (MeV)

72-Hf-159



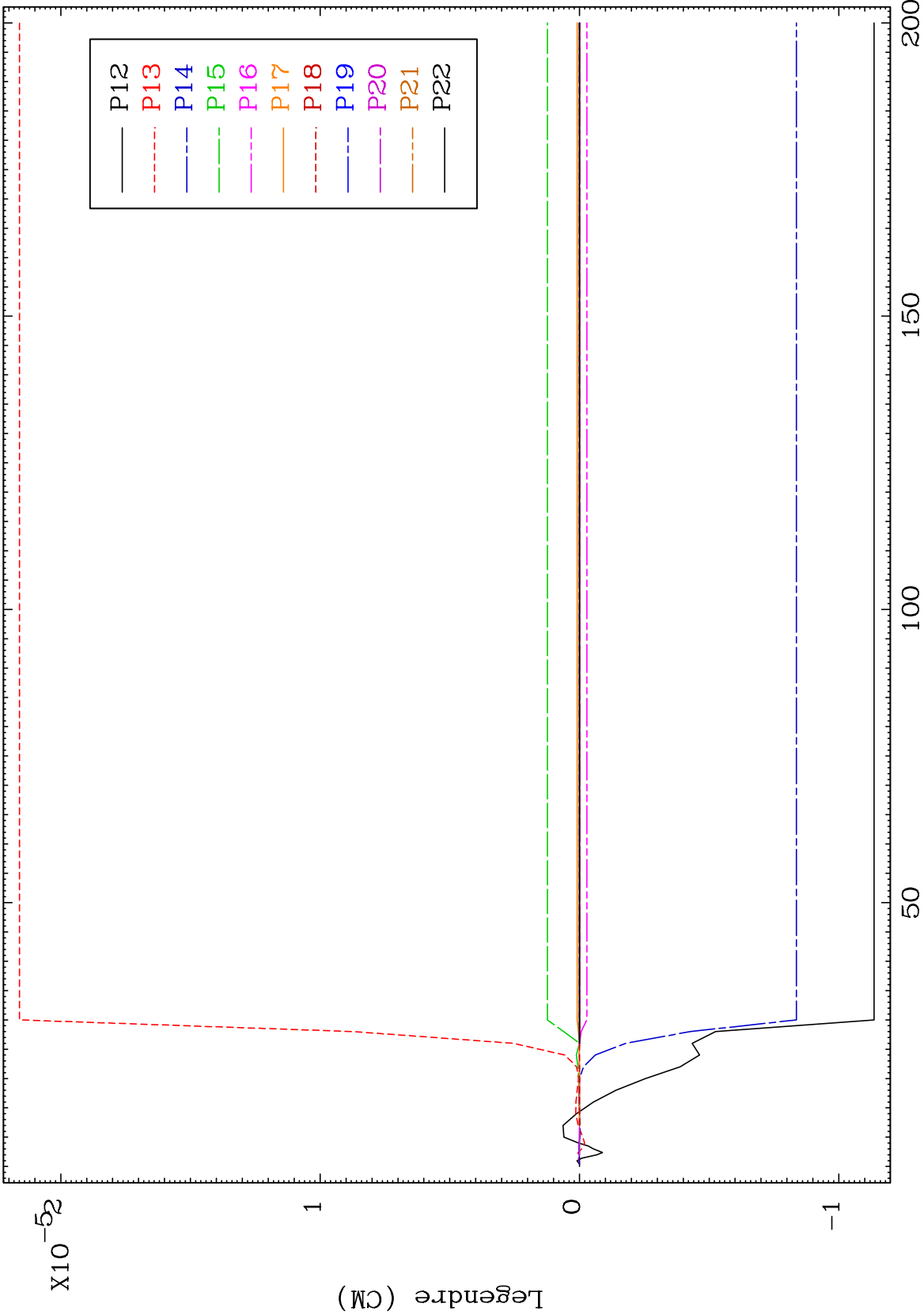


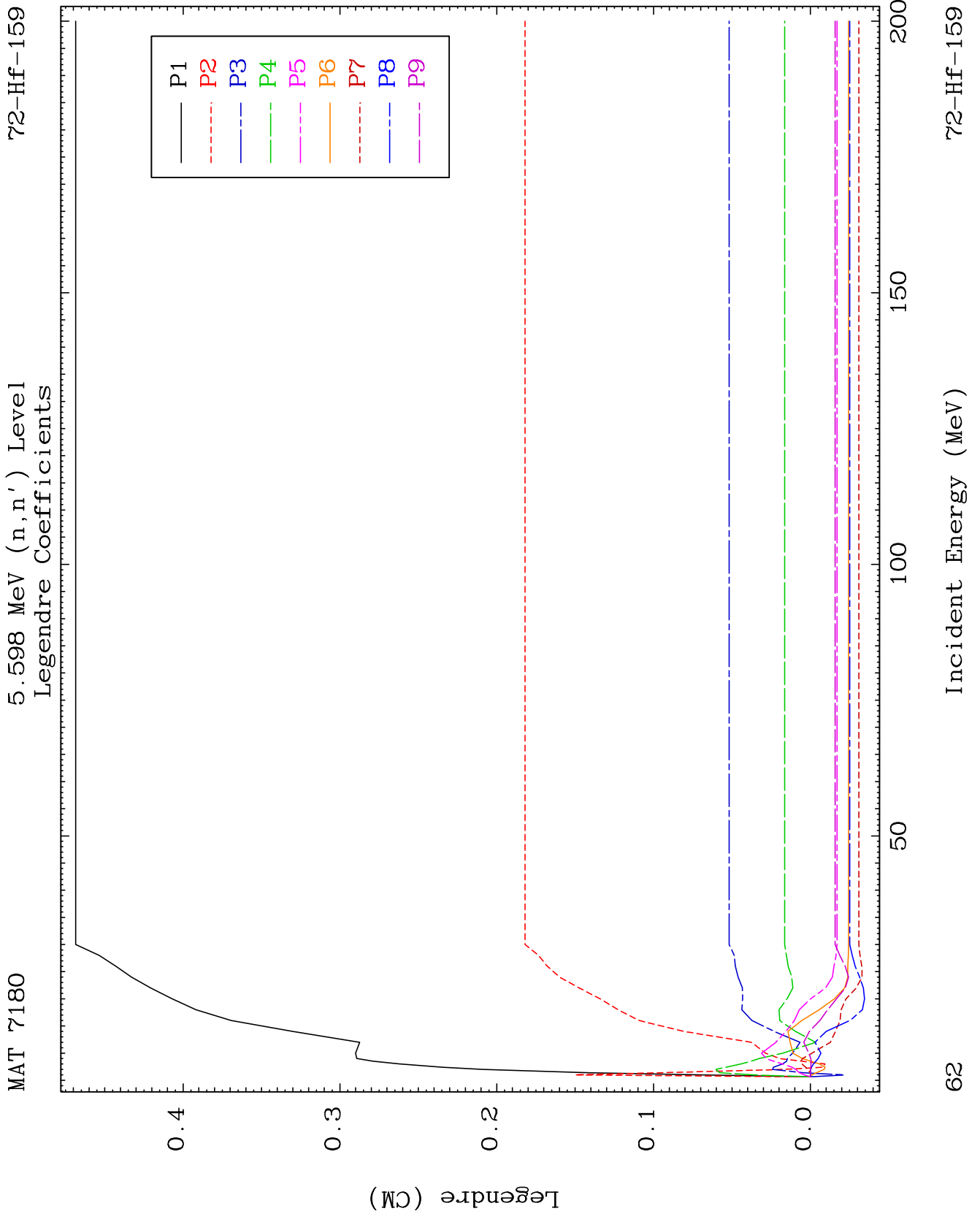


MAT 7180

4.879 MeV (n,n') Level
Legendre Coefficients

72-Hf-159

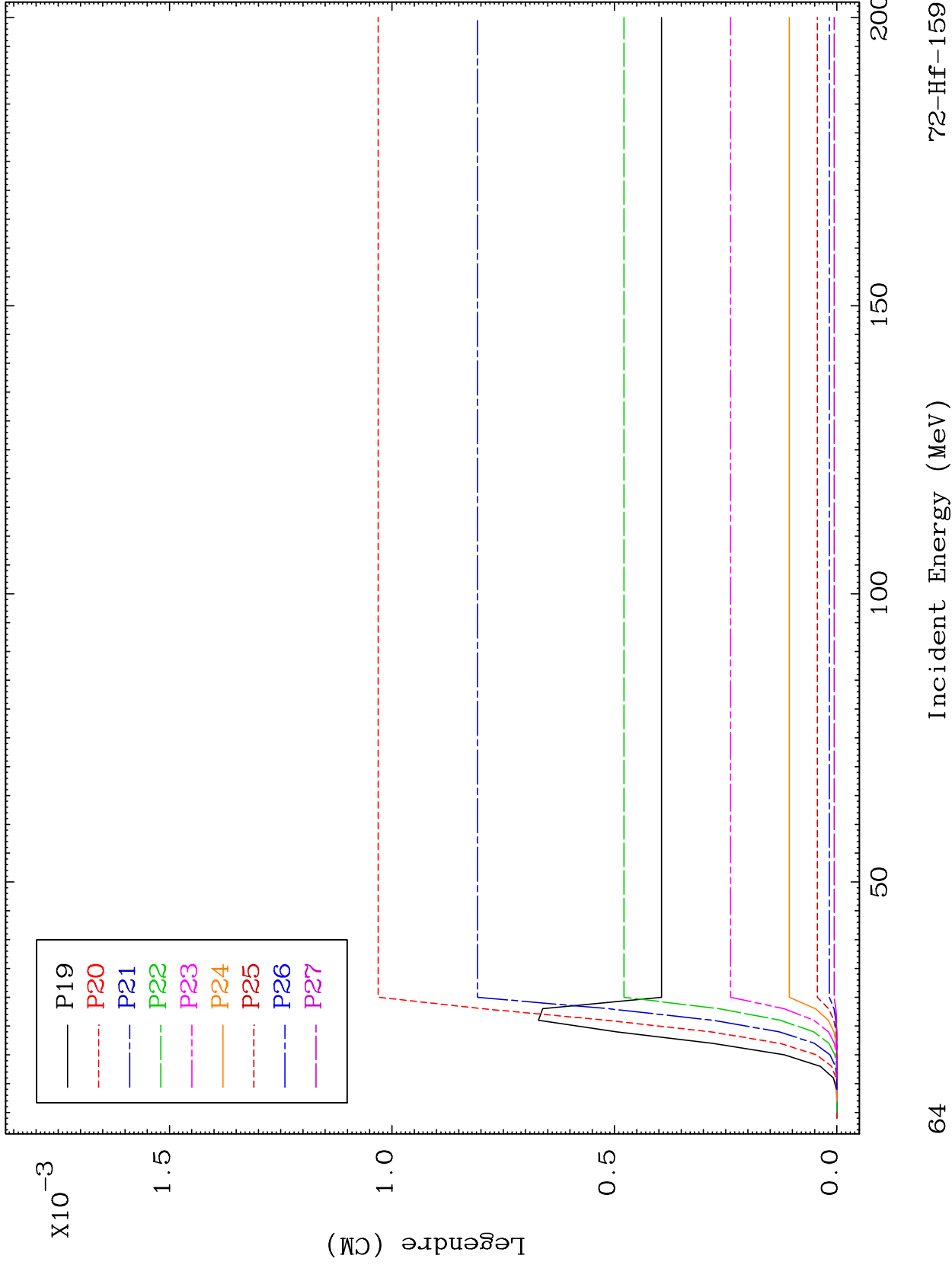


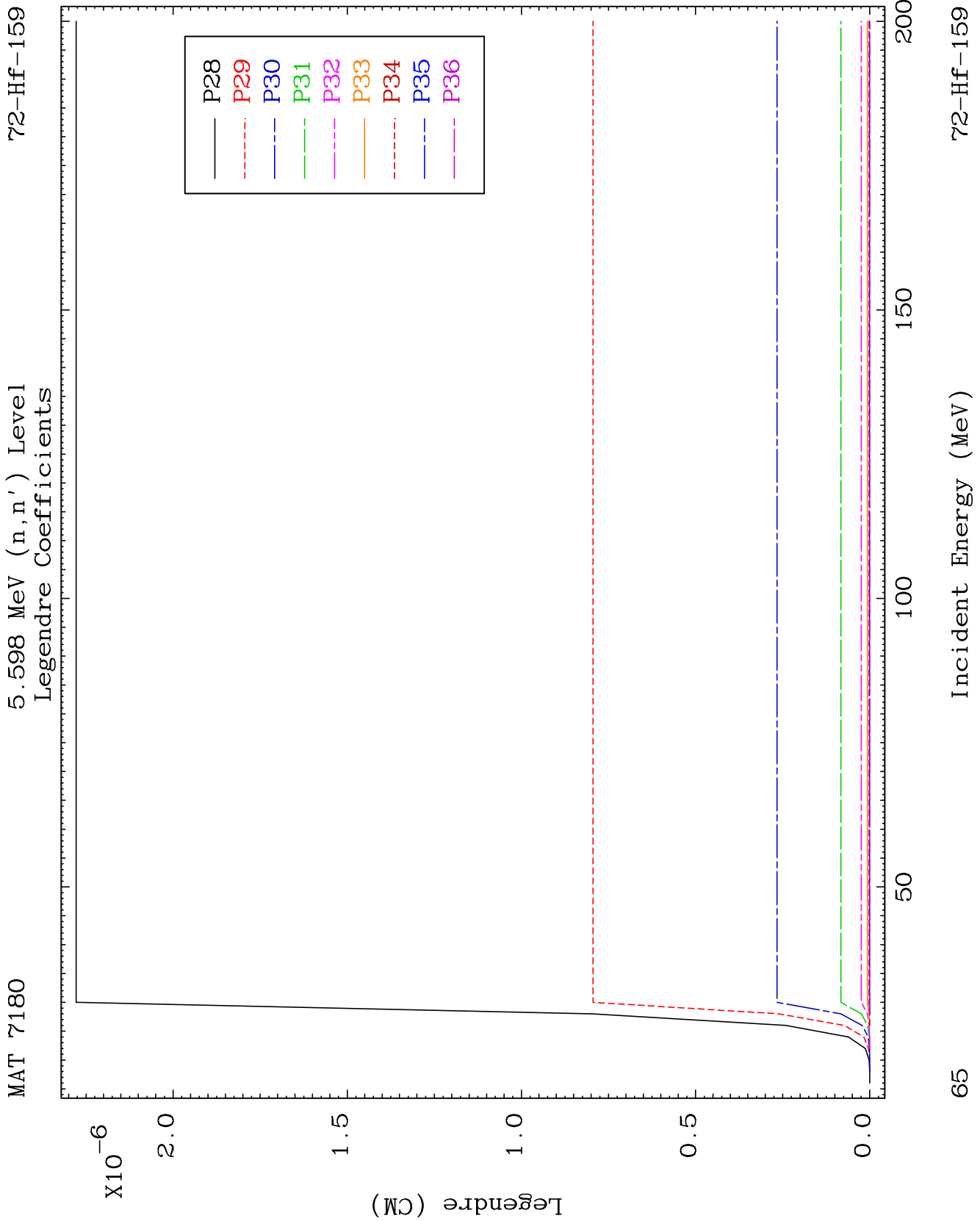


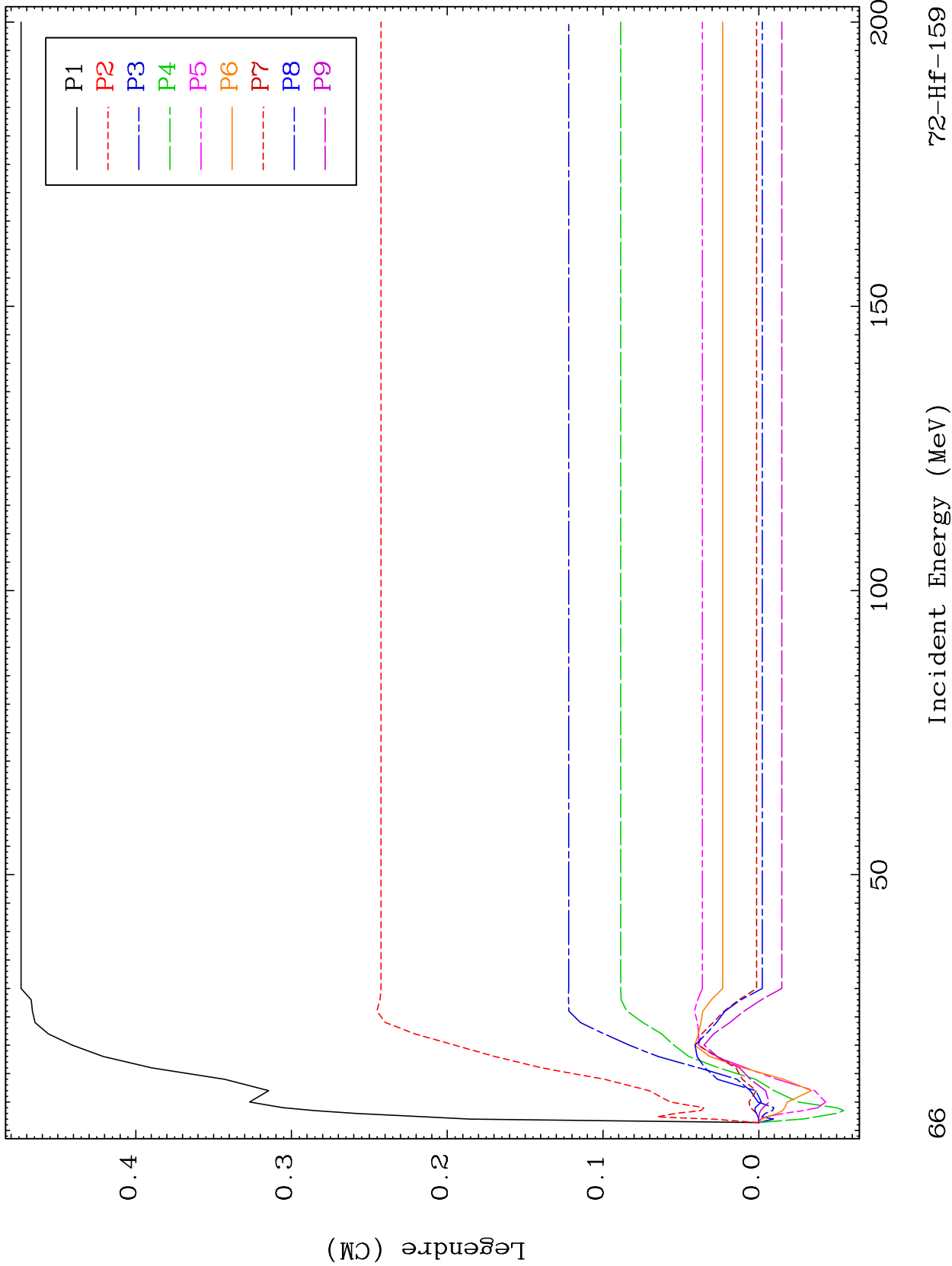
MAT 7180

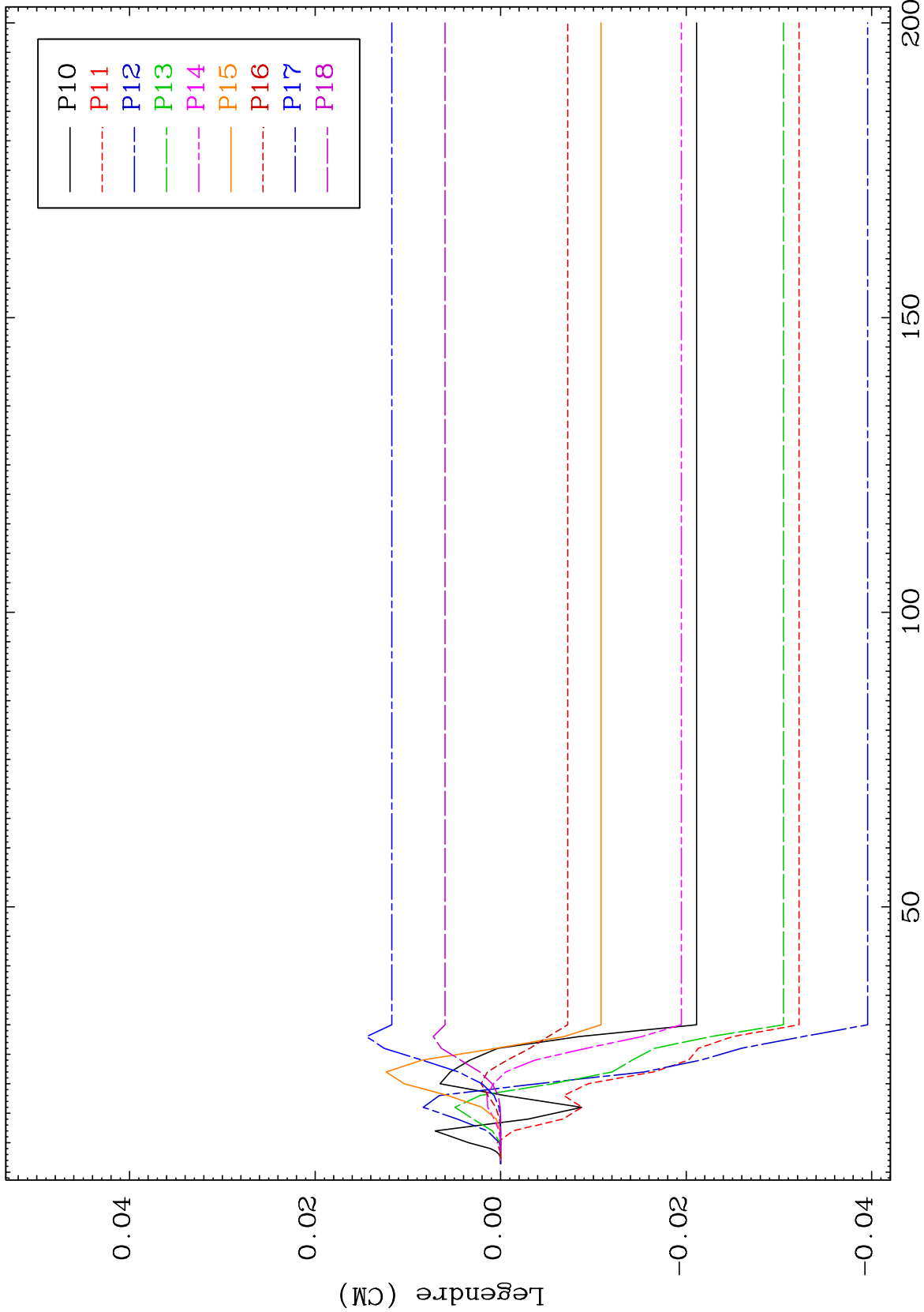
5.598 MeV (n,n') Level
Legendre Coefficients

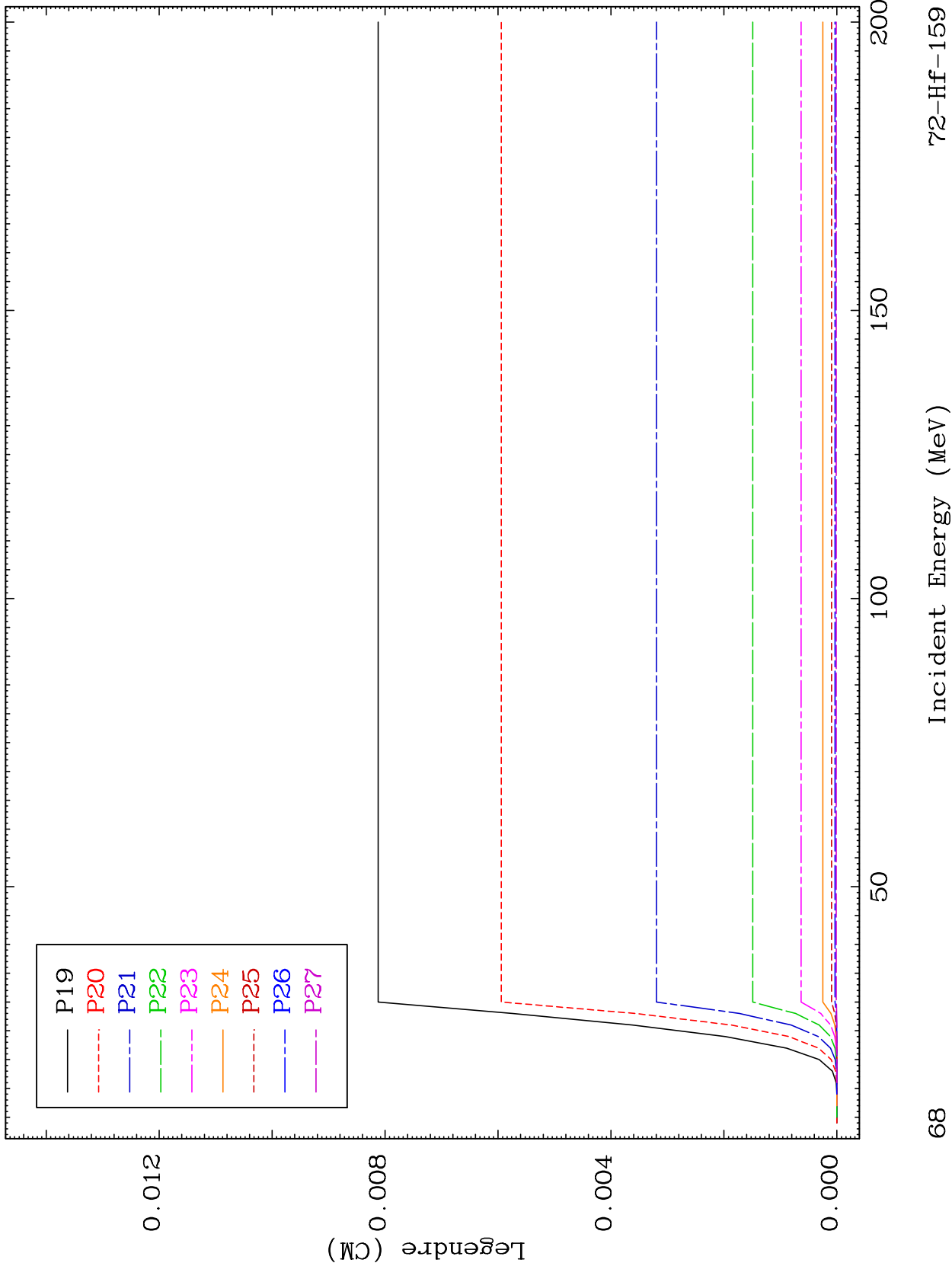
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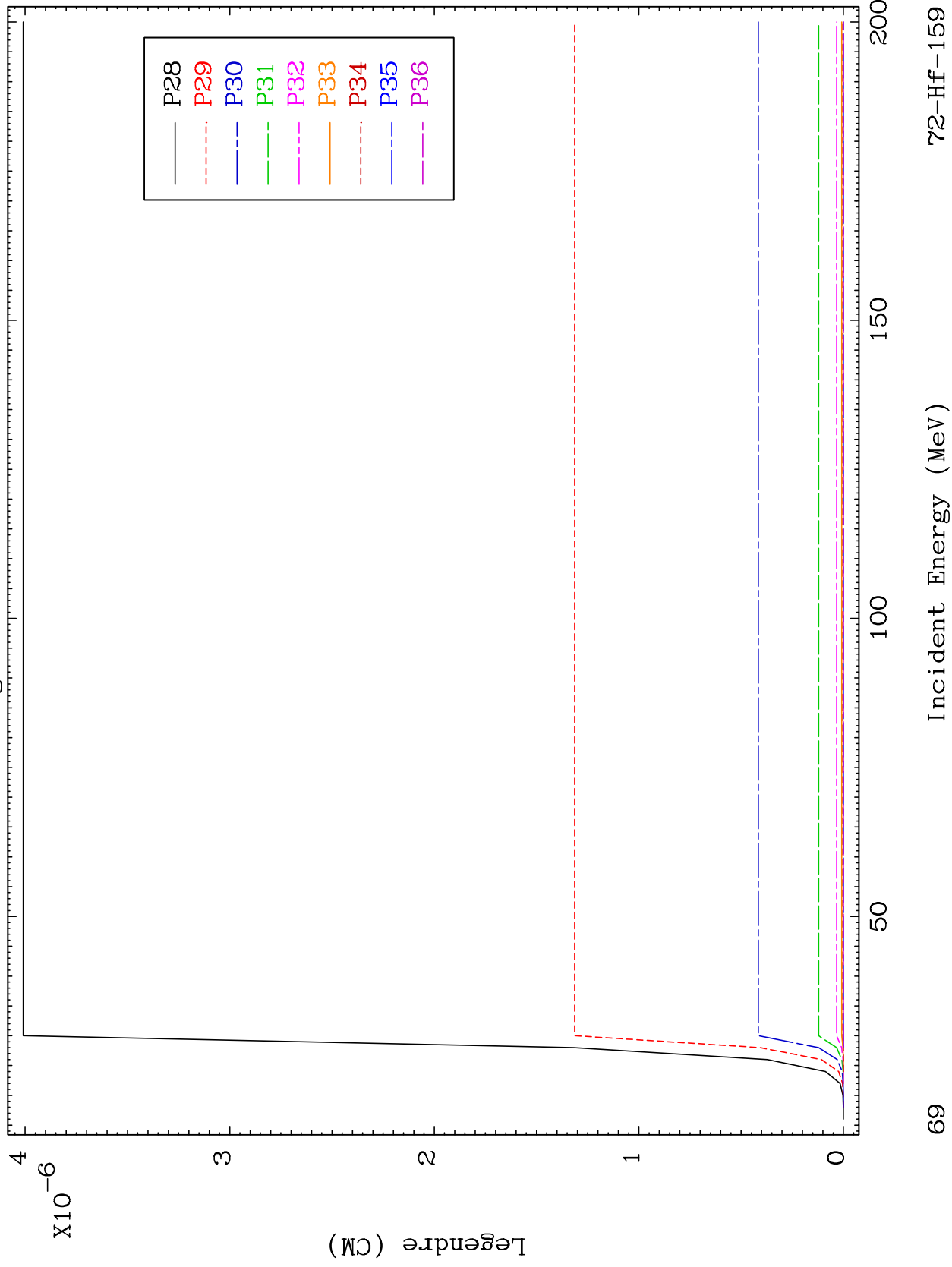




MAT 7180

6.274 MeV (n,n') Level
Legendre Coefficients

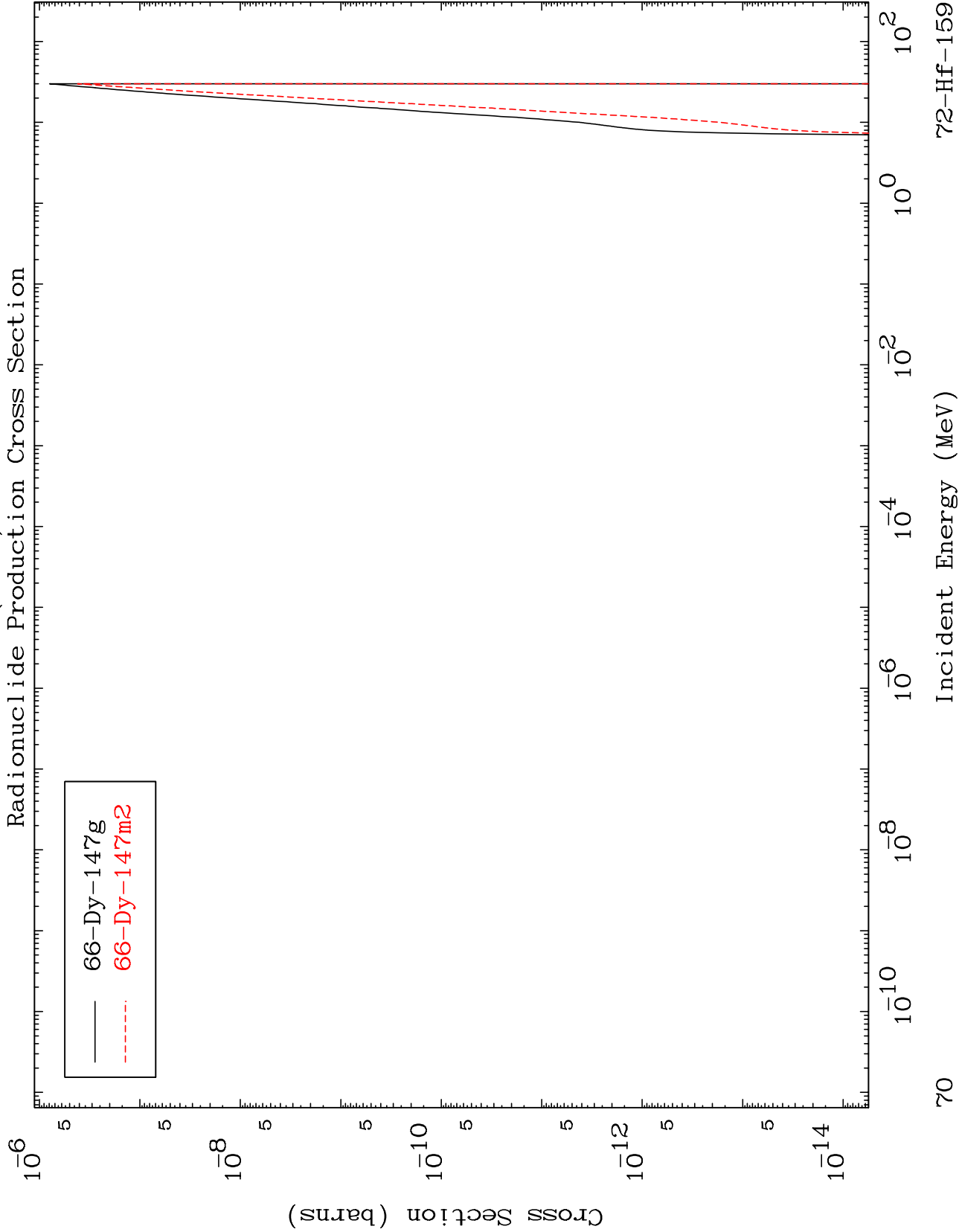
72-Hf-159



MAT 7180

(n,n') 3 α

72-Hf-159



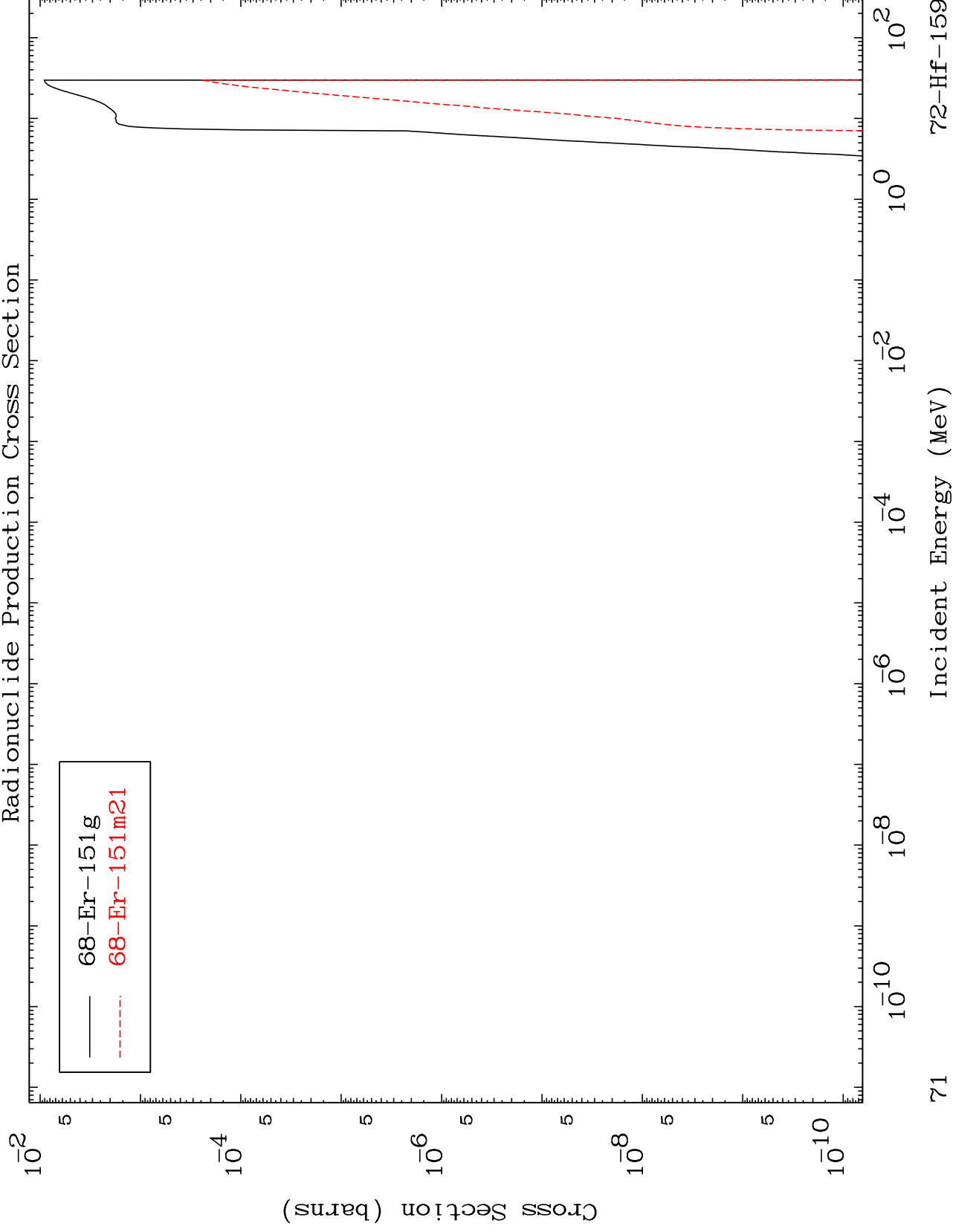
70

MAT 7180

(n,n') 2α

72-Hf-159

Radionuclide Production Cross Section



71

Incident Energy (MeV)

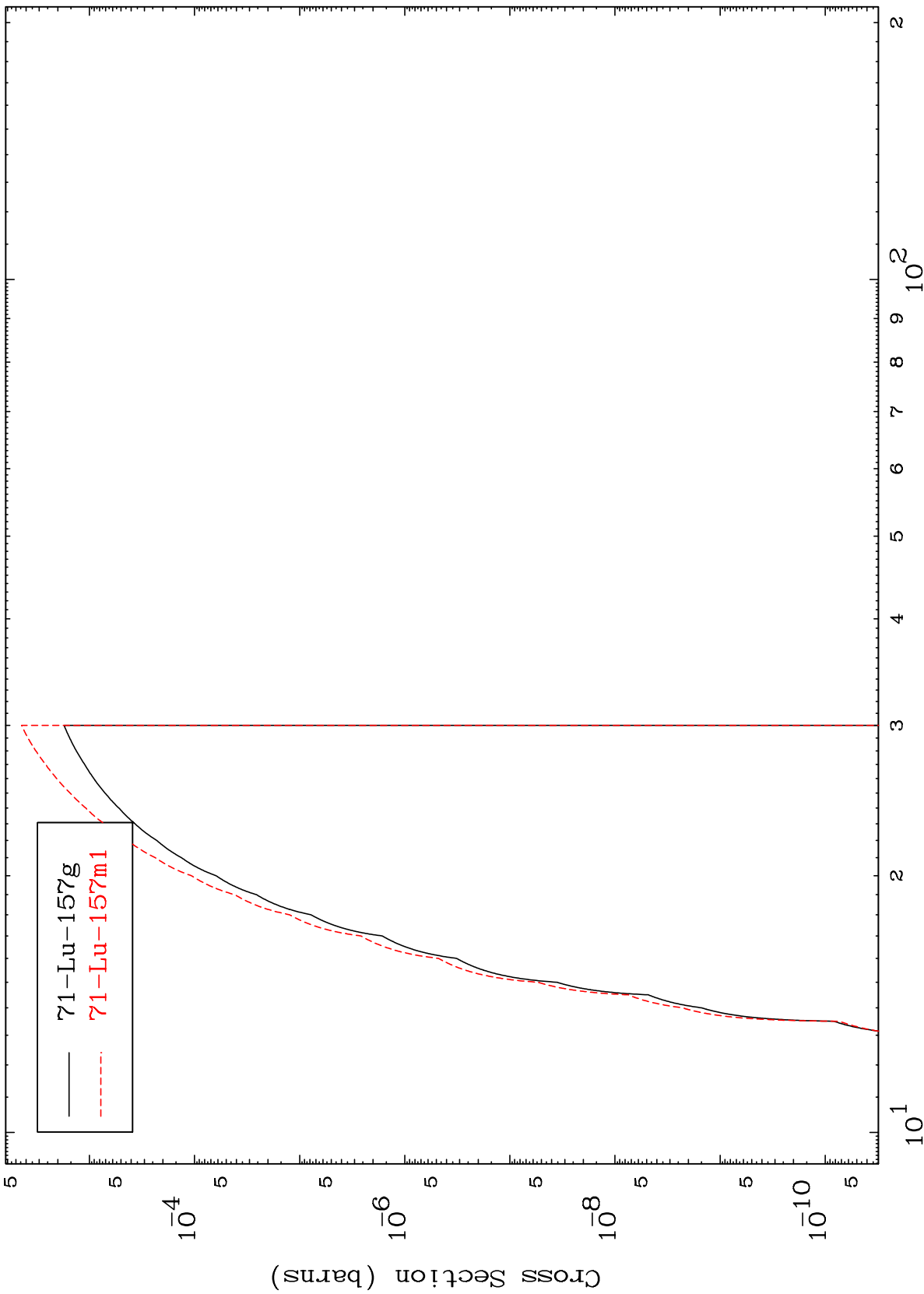
72-Hf-159

MAT 7180

(n,n') d

72-Hf-159

Radionuclide Production Cross Section



72

Incident Energy (MeV)

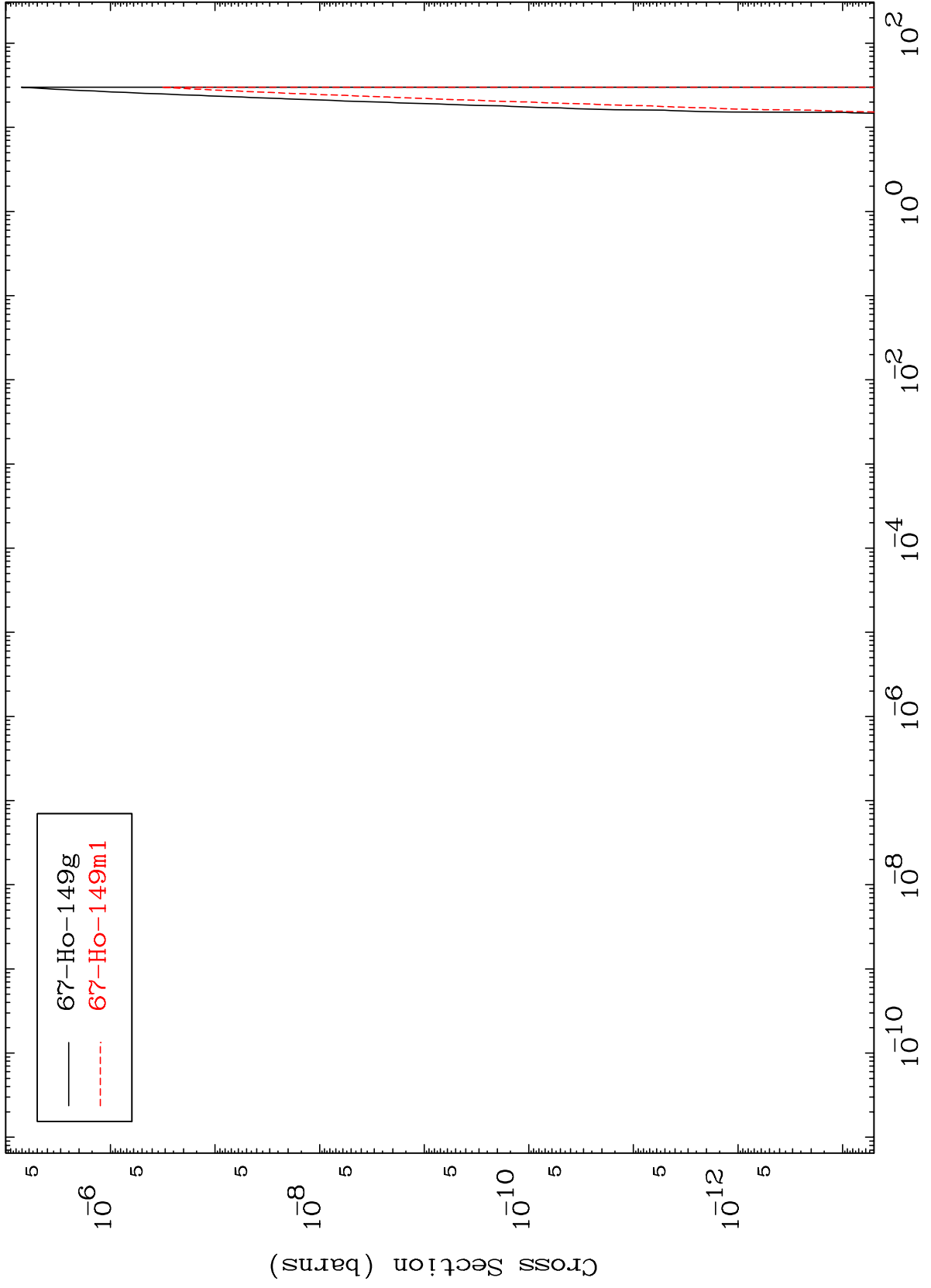
72-Hf-159

MAT 7180

(n,n') d,2α

72-Hf-159

Radionuclide Production Cross Section

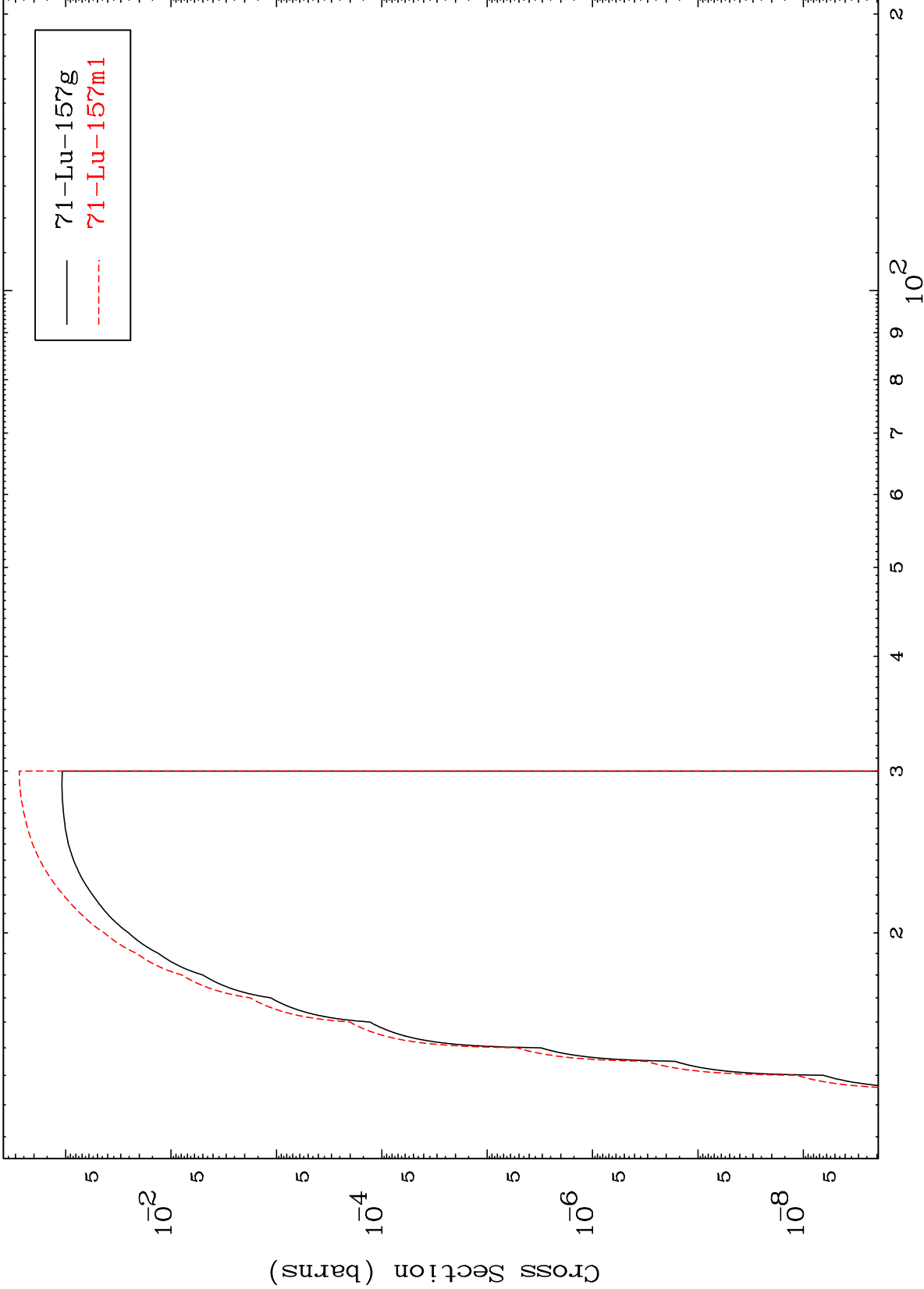


73

Incident Energy (MeV)

72-Hf-159

Radionuclide Production Cross Section



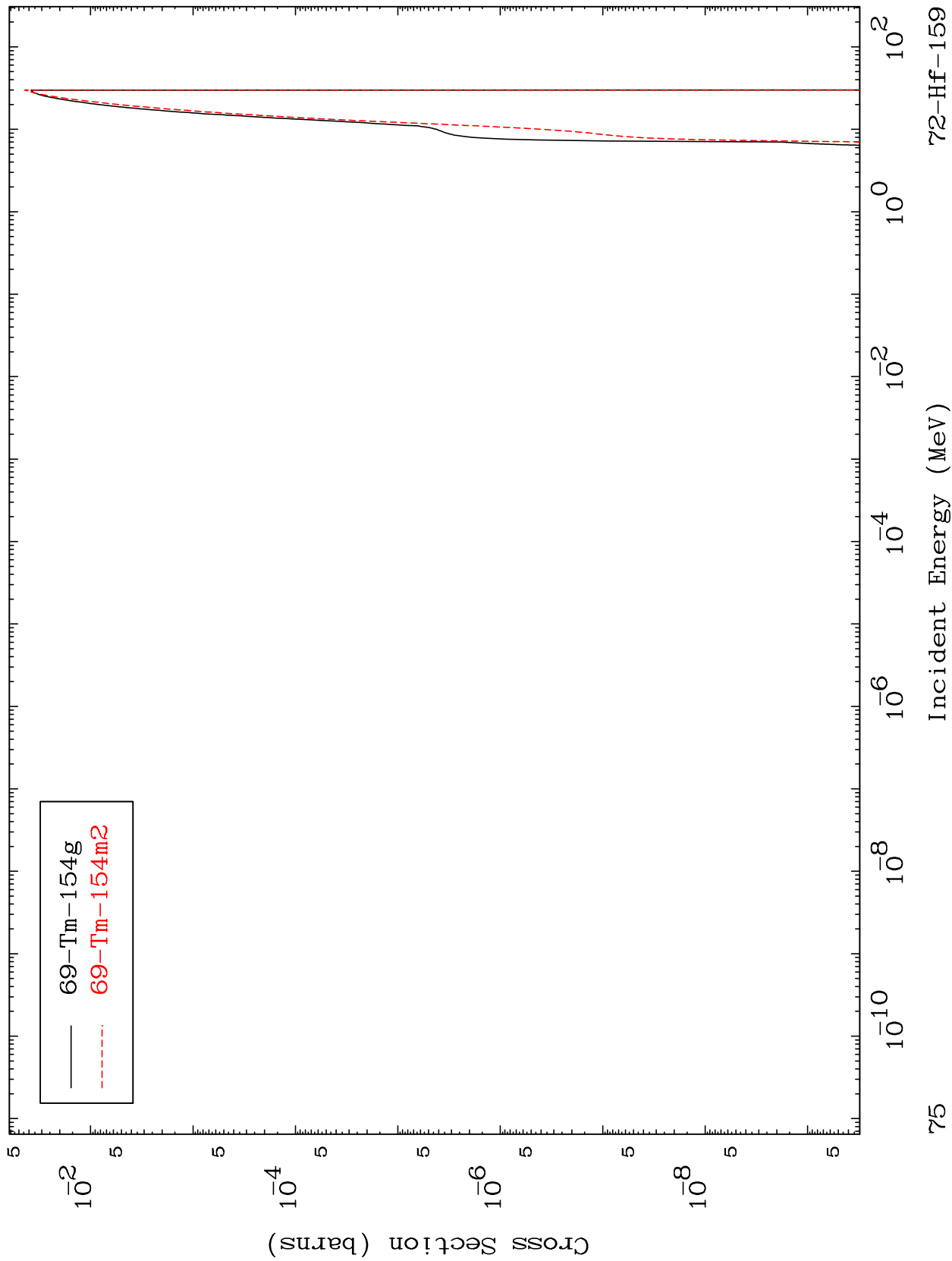
71-Lu-157g
71-Lu-157m1

MAT 7180

(n,n') p α

72-Hf-159

Radionuclide Production Cross Section



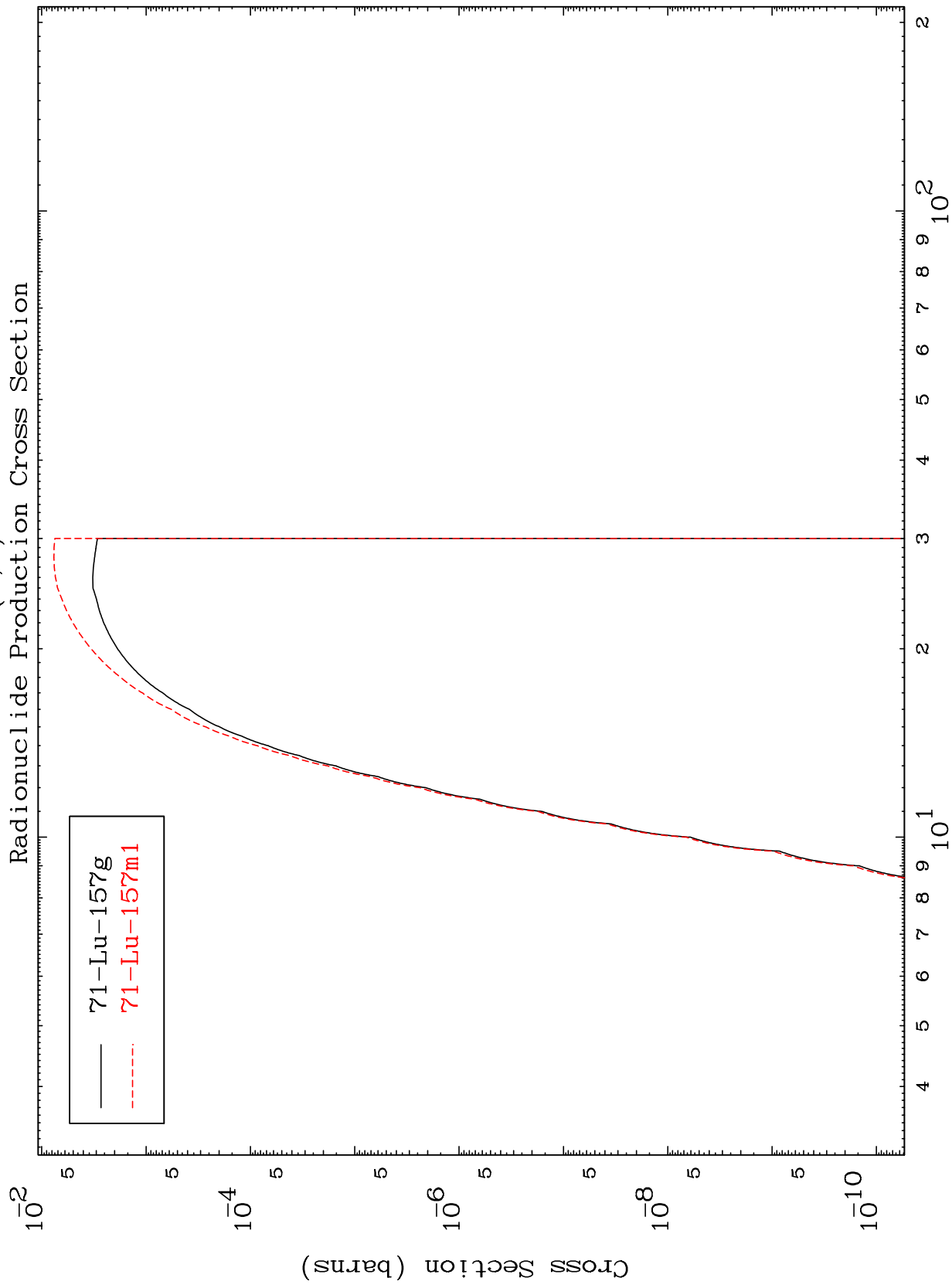
75

Incident Energy (MeV)

72-Hf-159

MAT 7180

72-Hf-159



76

Incident Energy (MeV)

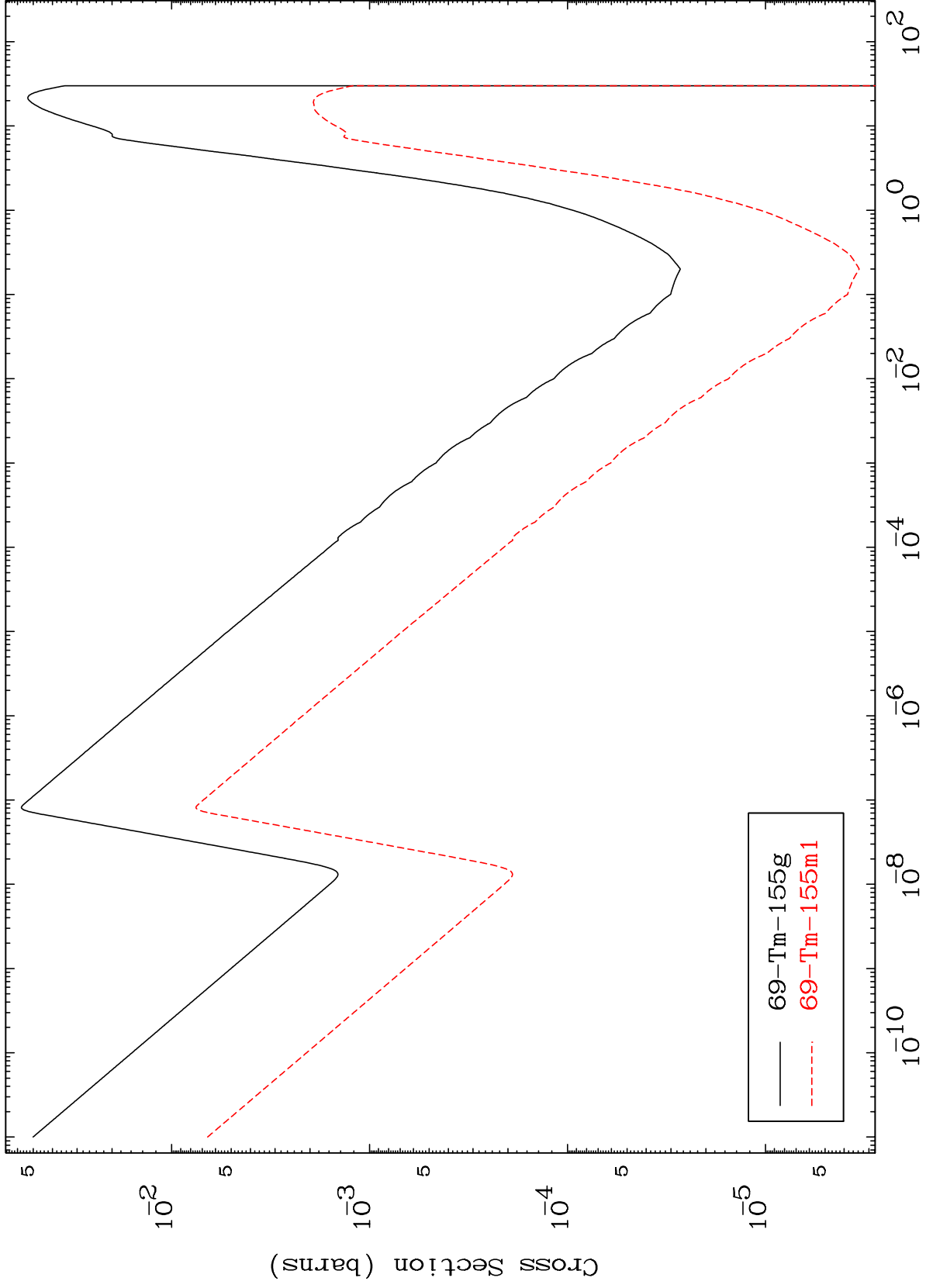
72-Hf-159

MAT 7180

(n,p) α

72-Hf-159

Radionuclide Production Cross Section



77

Incident Energy (MeV)

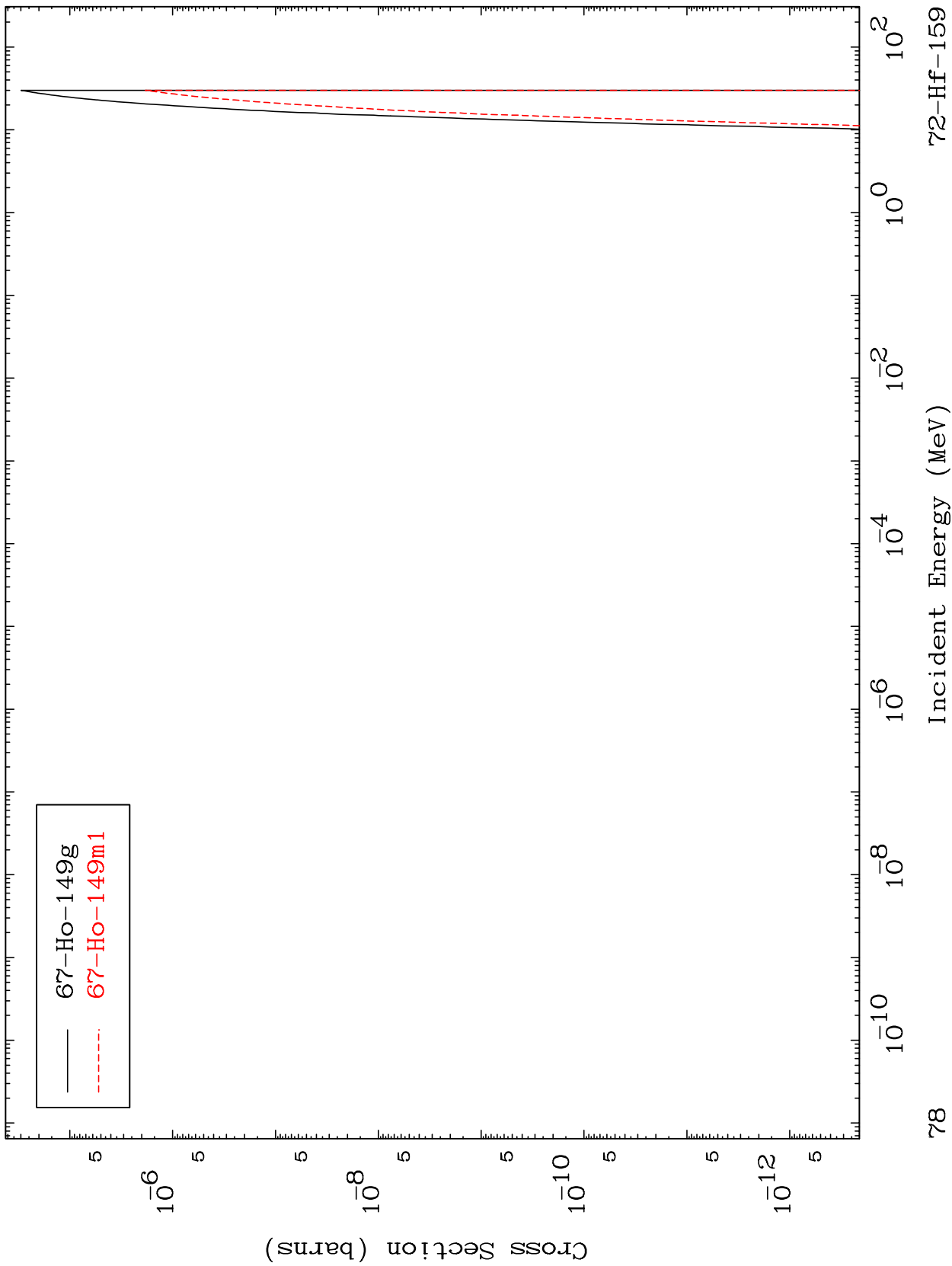
72-Hf-159

MAT 7180

(n,t) 2 α

72-Hf-159

Radionuclide Production Cross Section



78

Incident Energy (MeV)

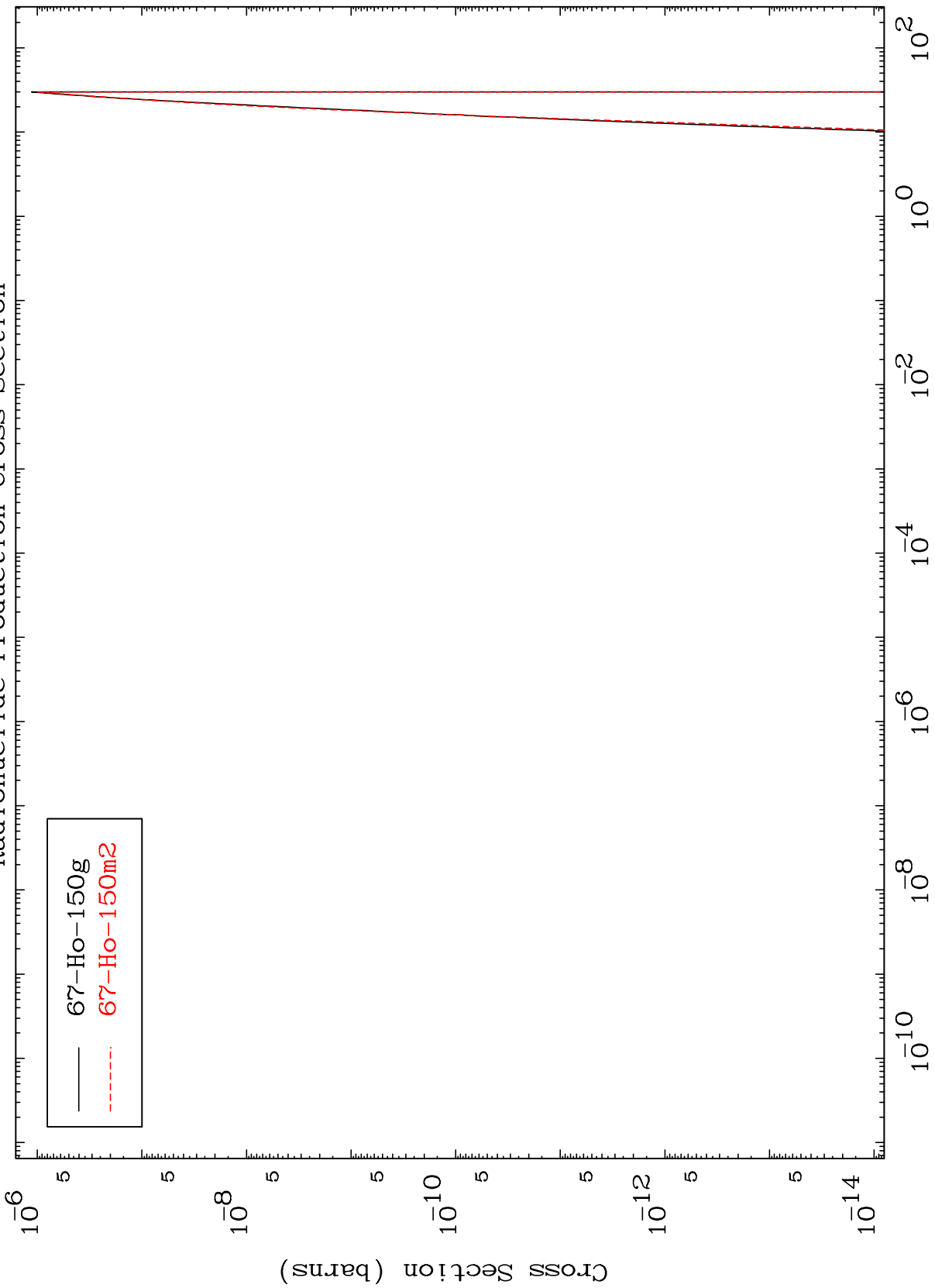
72-Hf-159

MAT 7180

(n,d) 2 α

72-Hf-159

Radionuclide Production Cross Section



67-Ho-150g
67-Ho-150m2

79

Incident Energy (MeV)

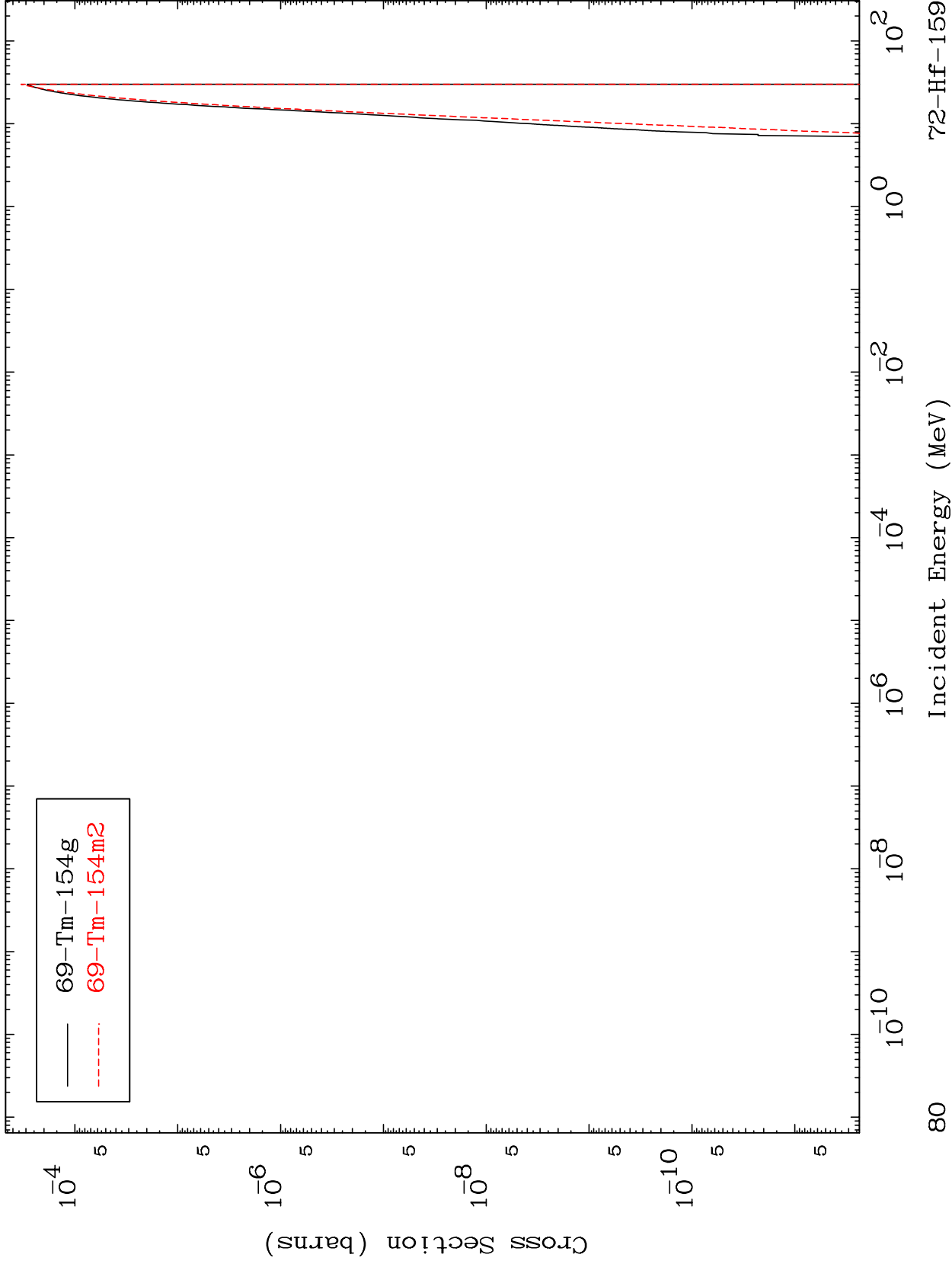
72-Hf-159

MAT 7180

(n,d) α

72-Hf-159

Radionuclide Production Cross Section



80

Incident Energy (MeV)

72-Hf-159