

Program EVALPLOT
(Version 2021-1)

by

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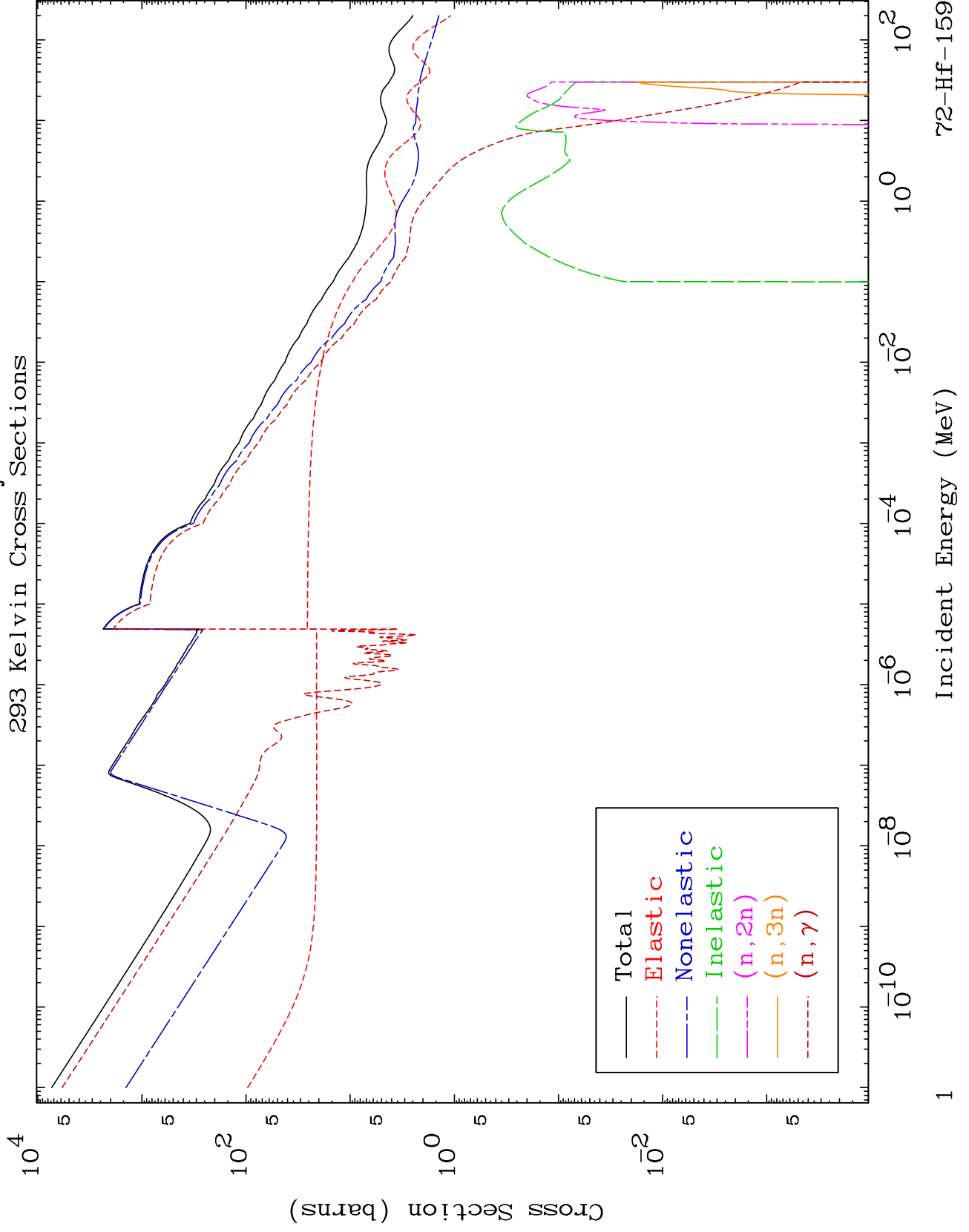
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7180

Neutron Major
293 Kelvin Cross Sections

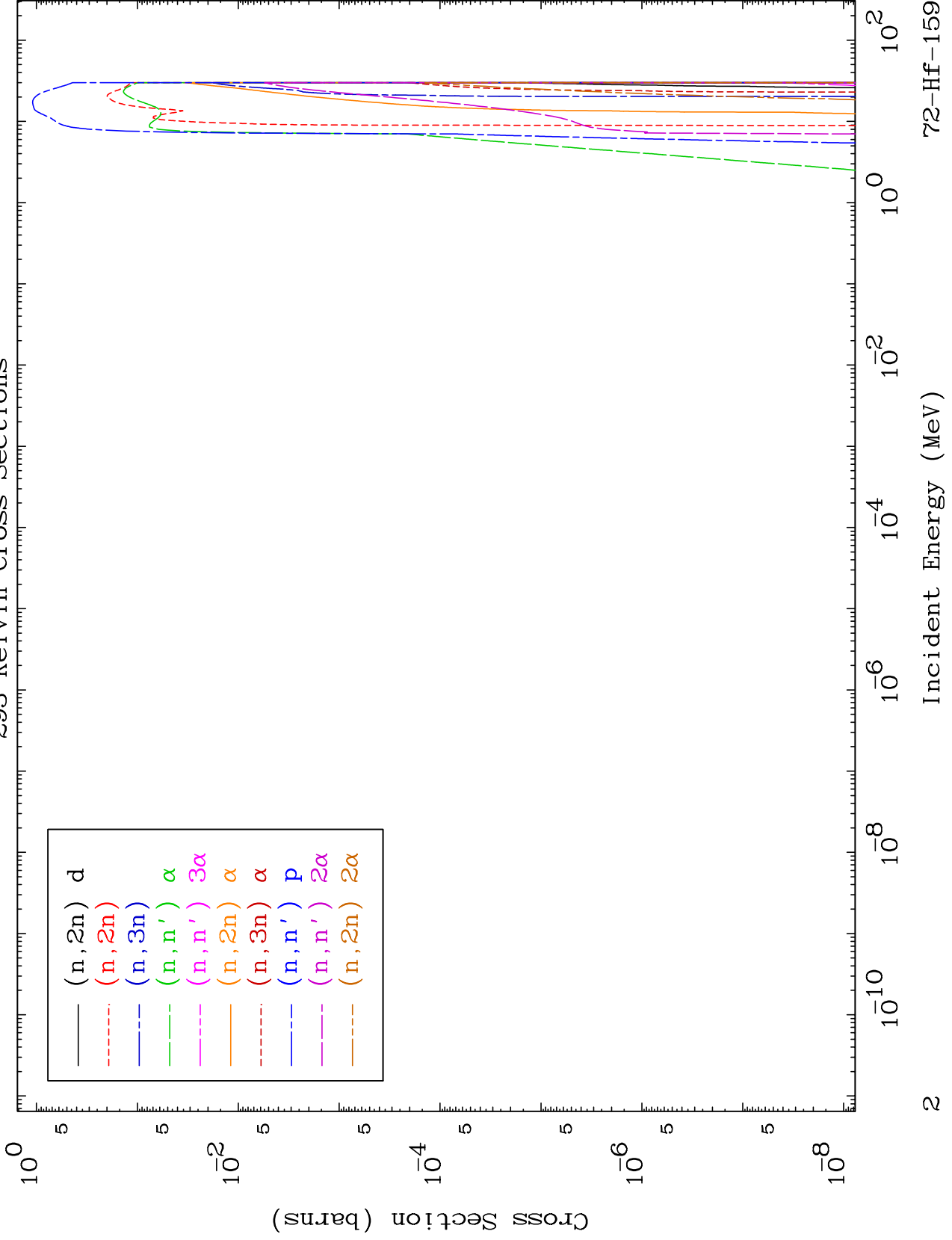
72-Hf-159

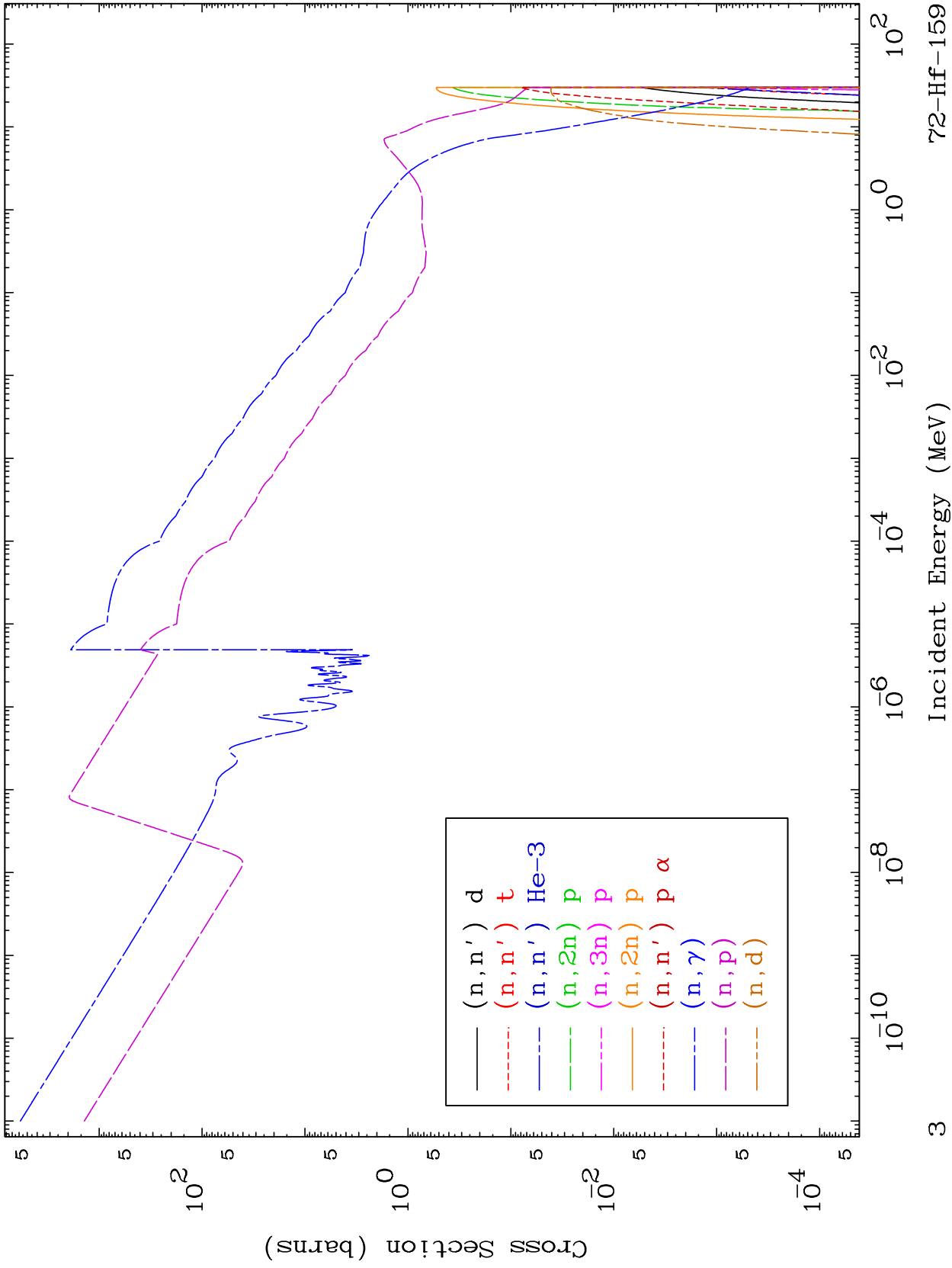


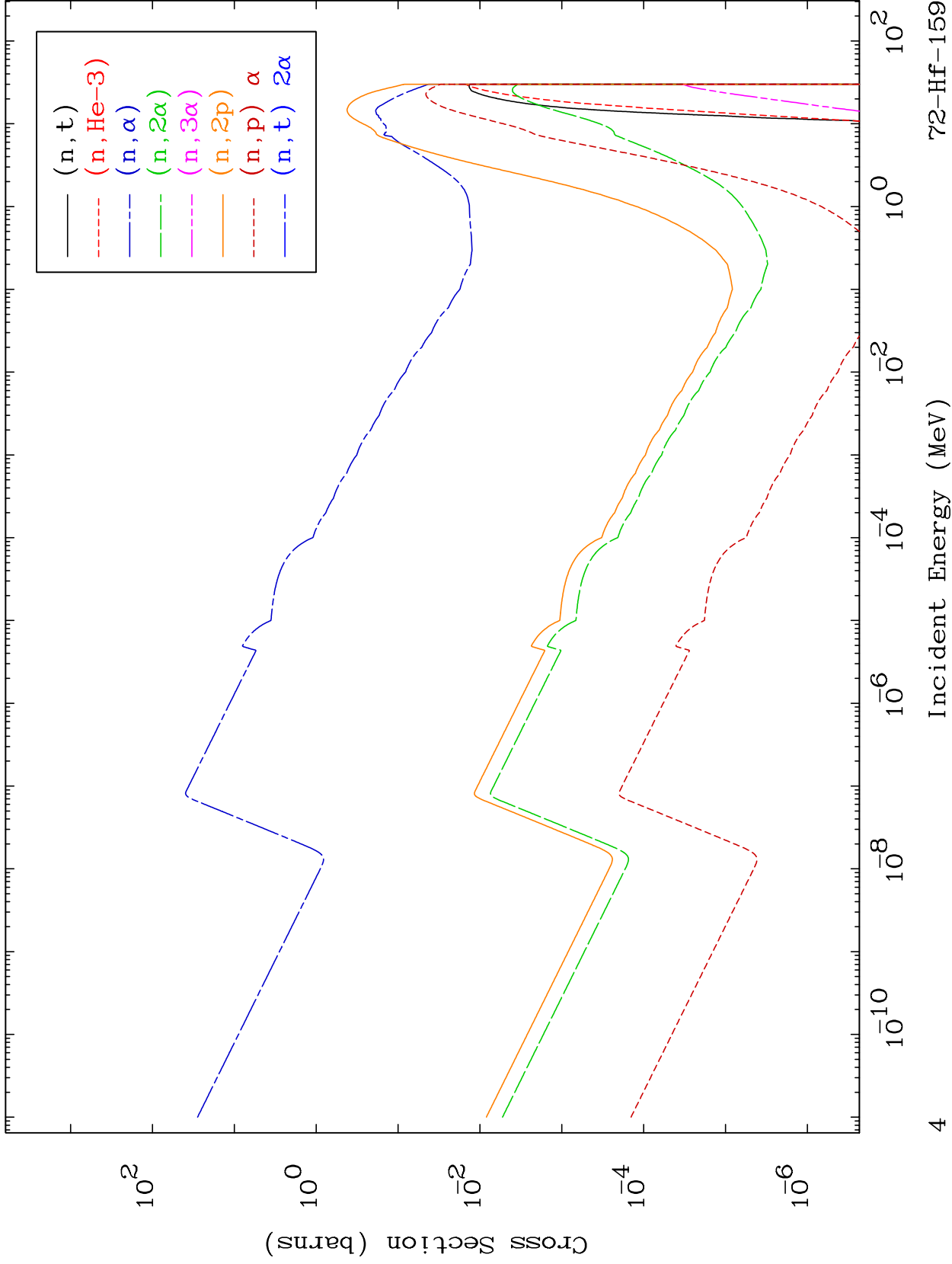
MAT 7180

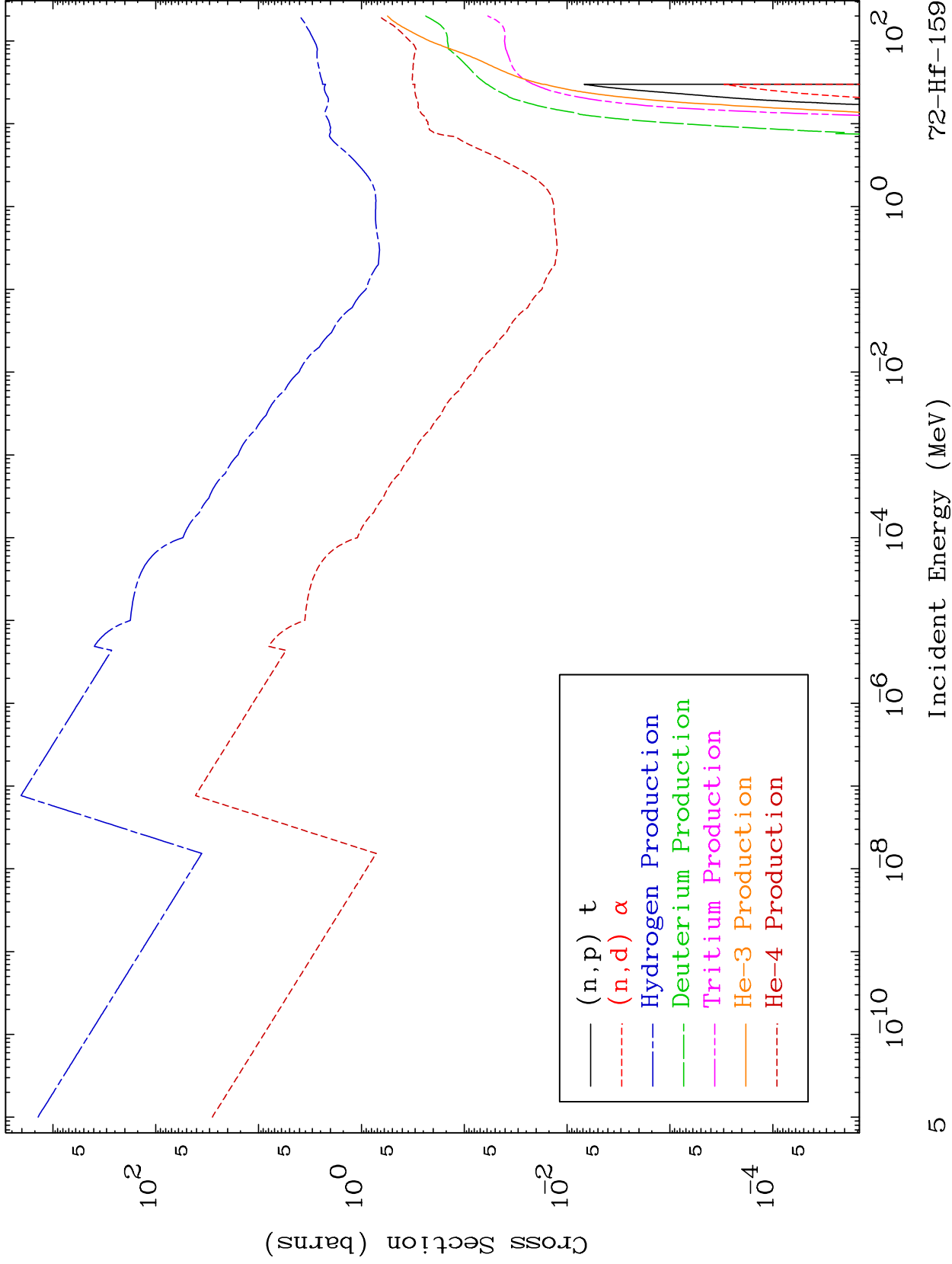
Neutron Absorption
293 Kelvin Cross Sections

72-Hf-159





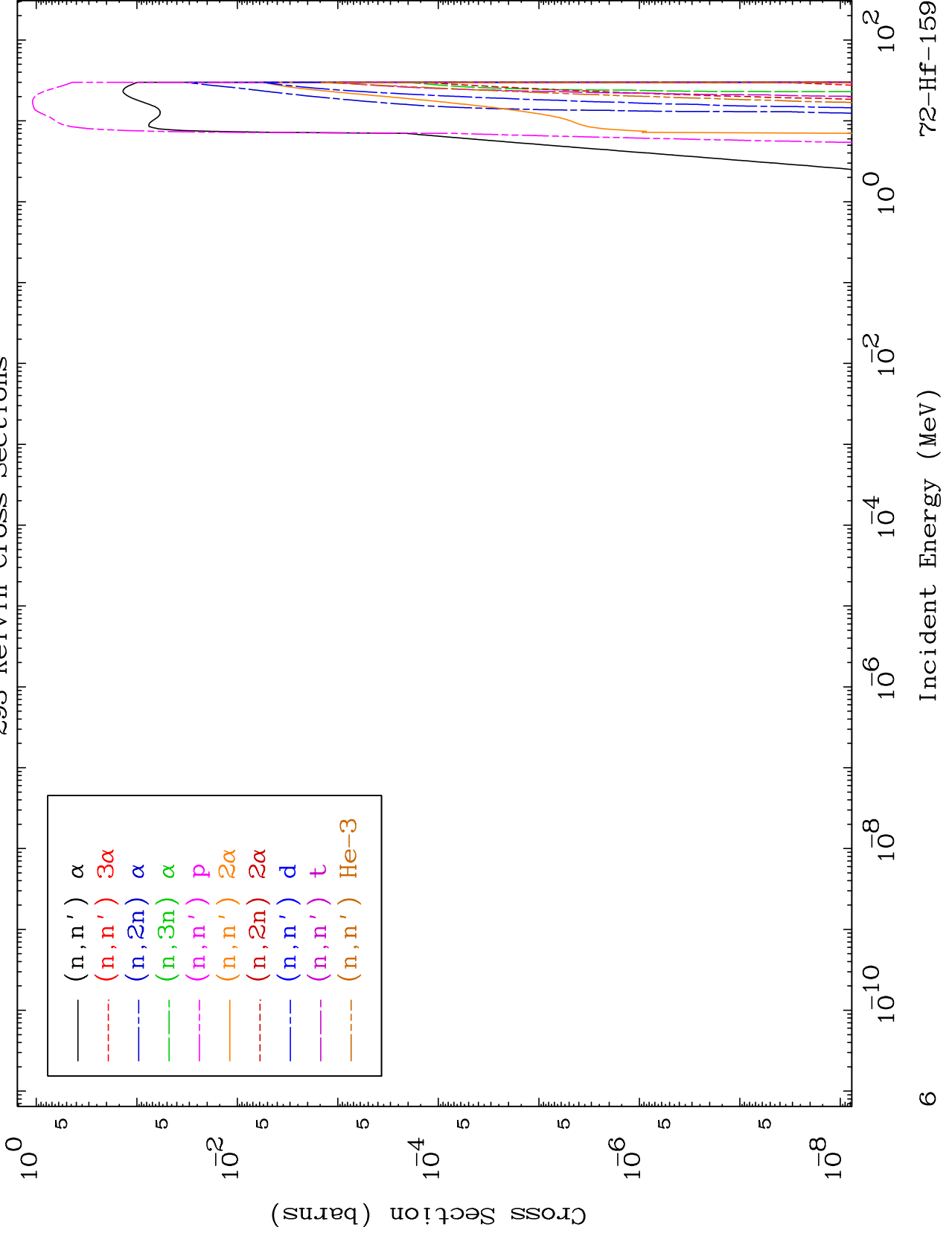


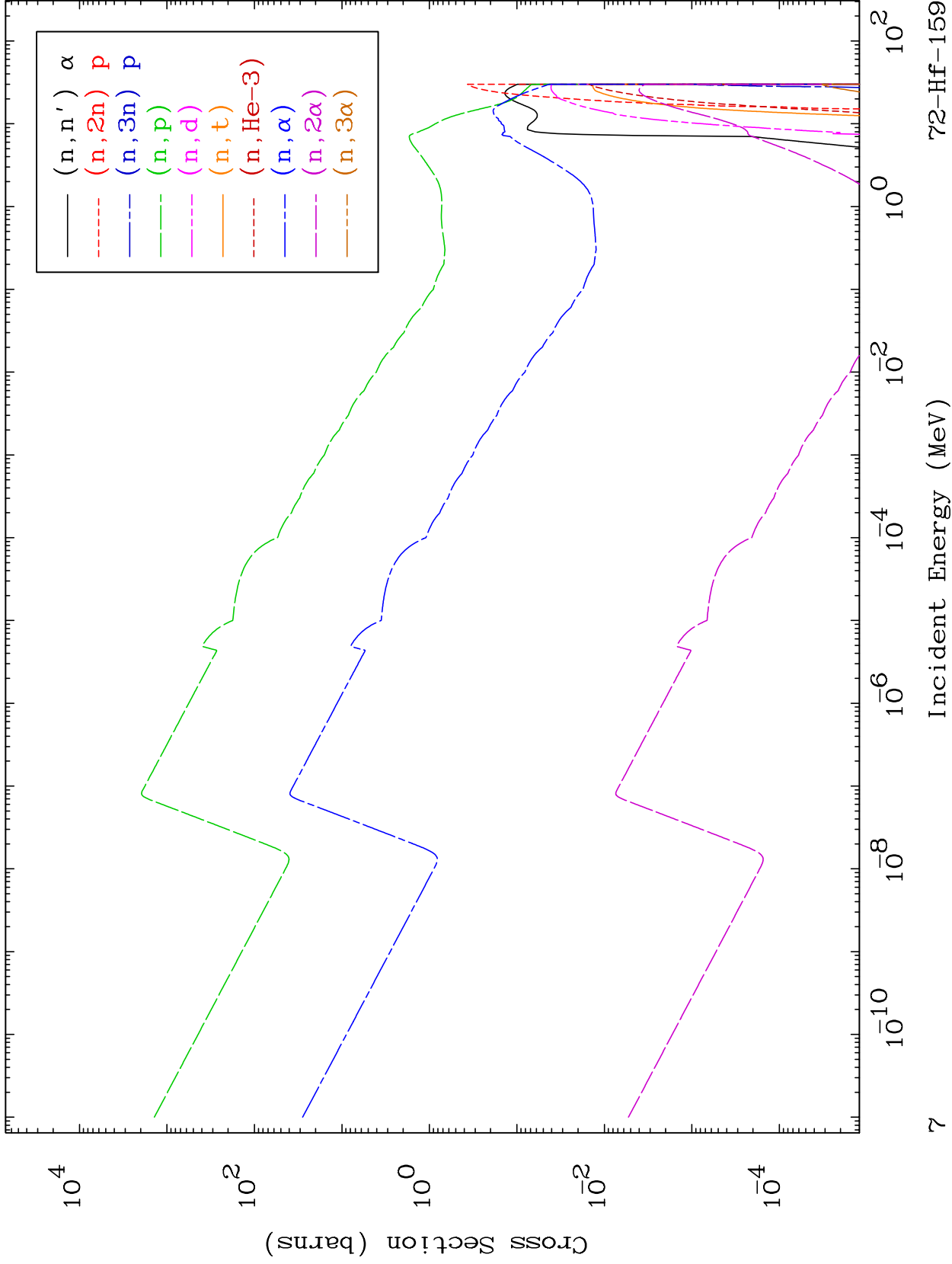


MAT 7180

Charged Particle
293 Kelvin Cross Sections

72-Hf-159

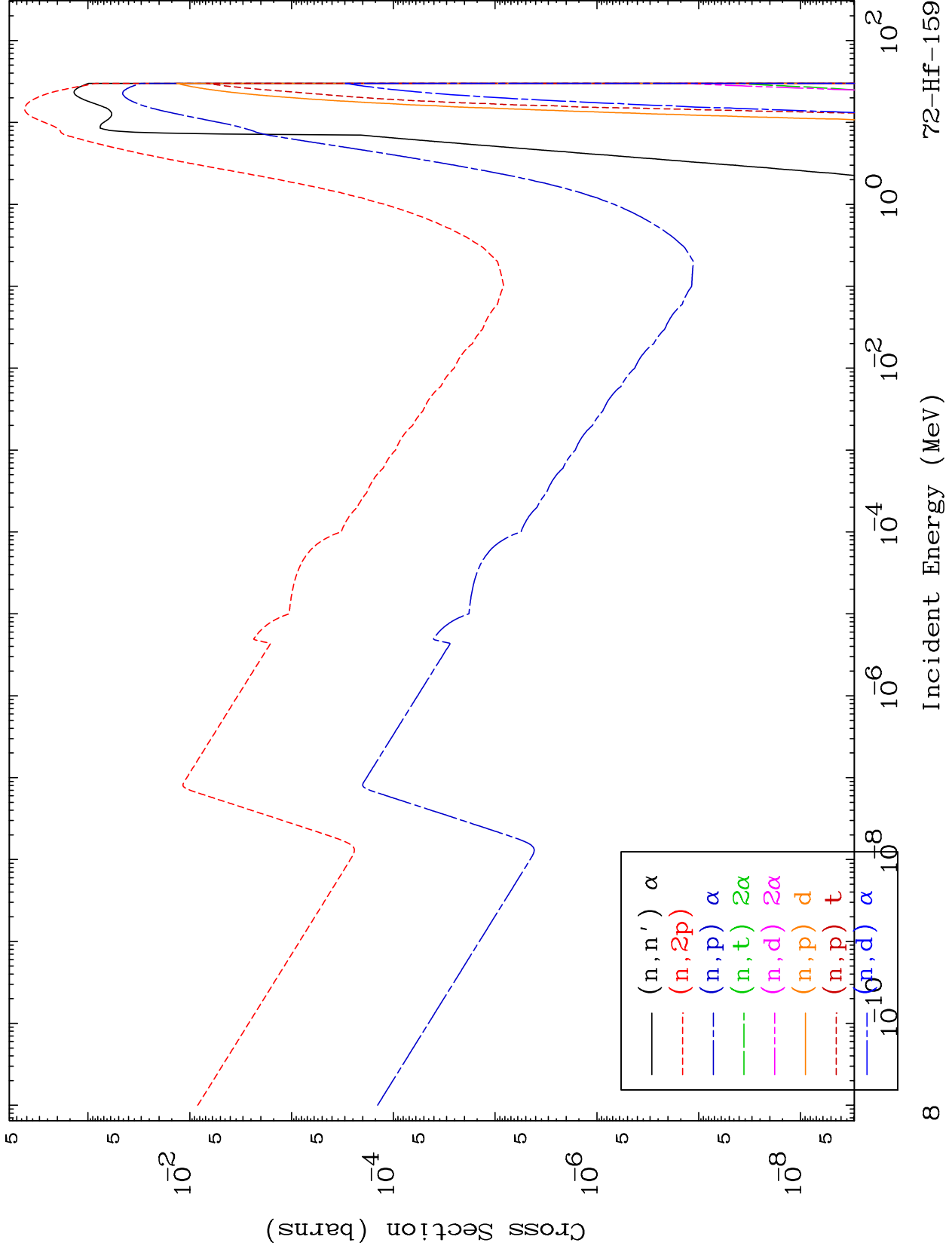


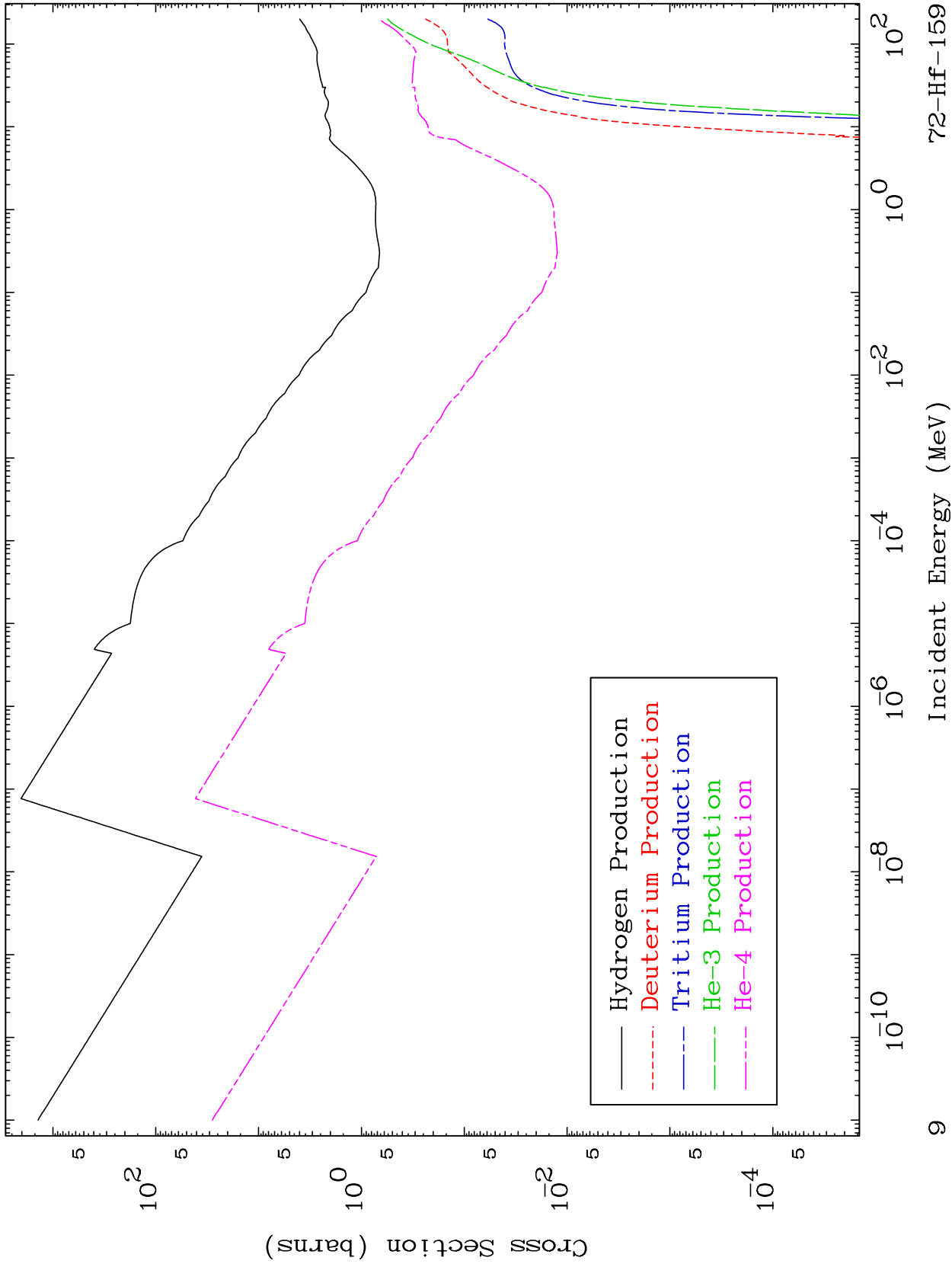


MAT 7180

Charged Particle
293 Kelvin Cross Sections

72-Hf-159

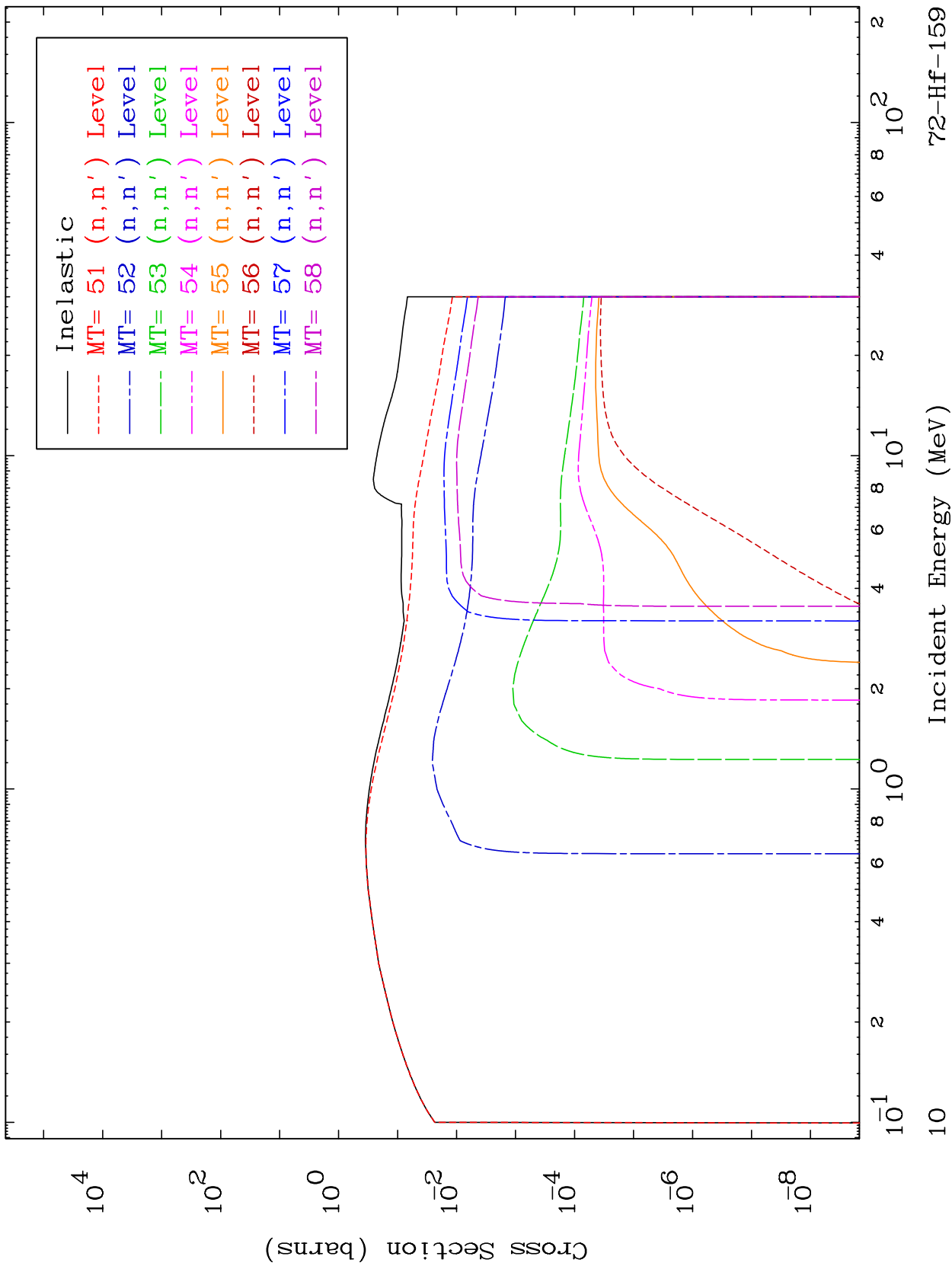




MAT 7180

(n,n') Levels
293 Kelvin Cross Sections

72-Hf-159

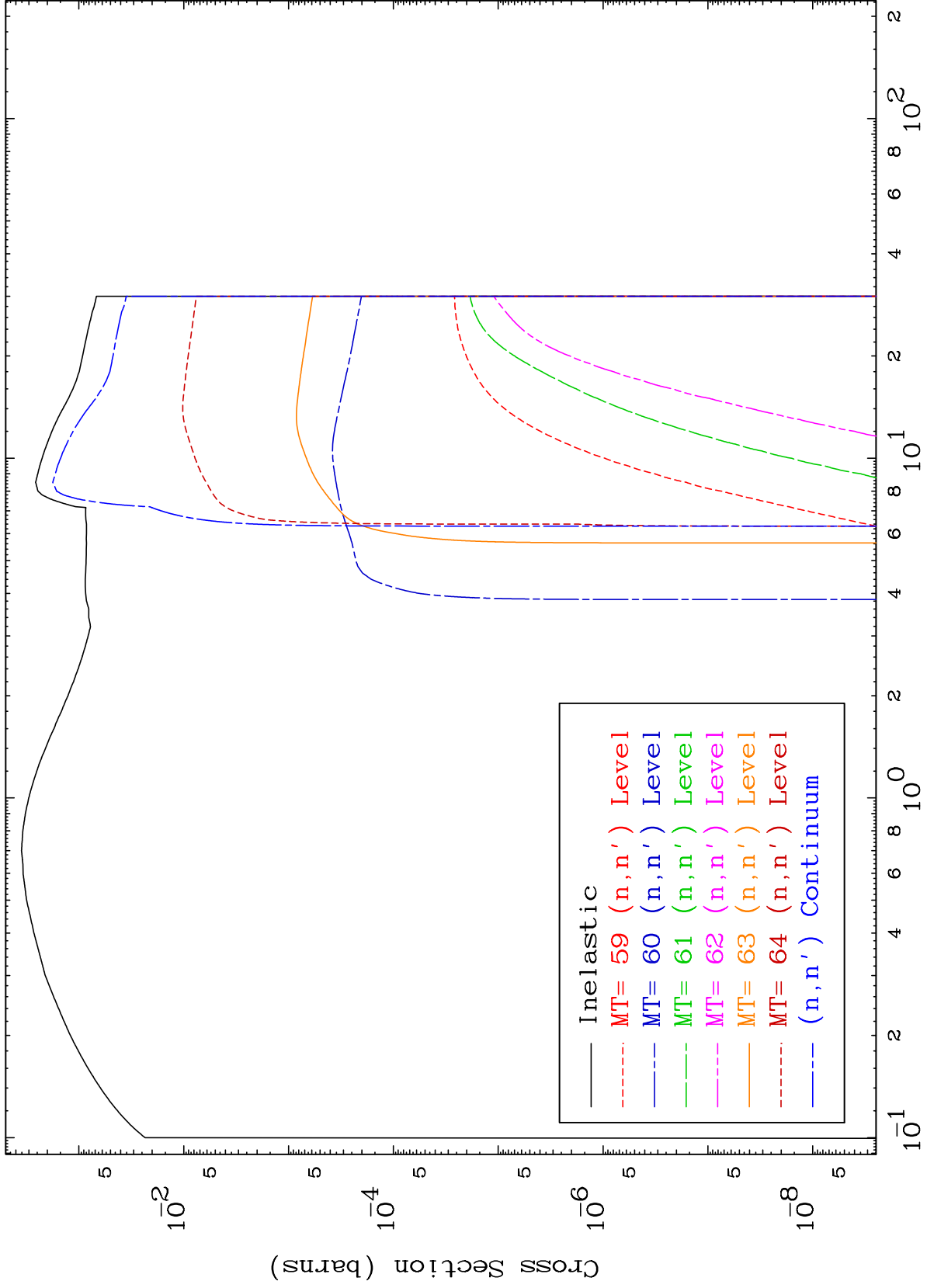


MAT 7180

(n,n') Levels

72-Hf-159

293 Kelvin Cross Sections



11

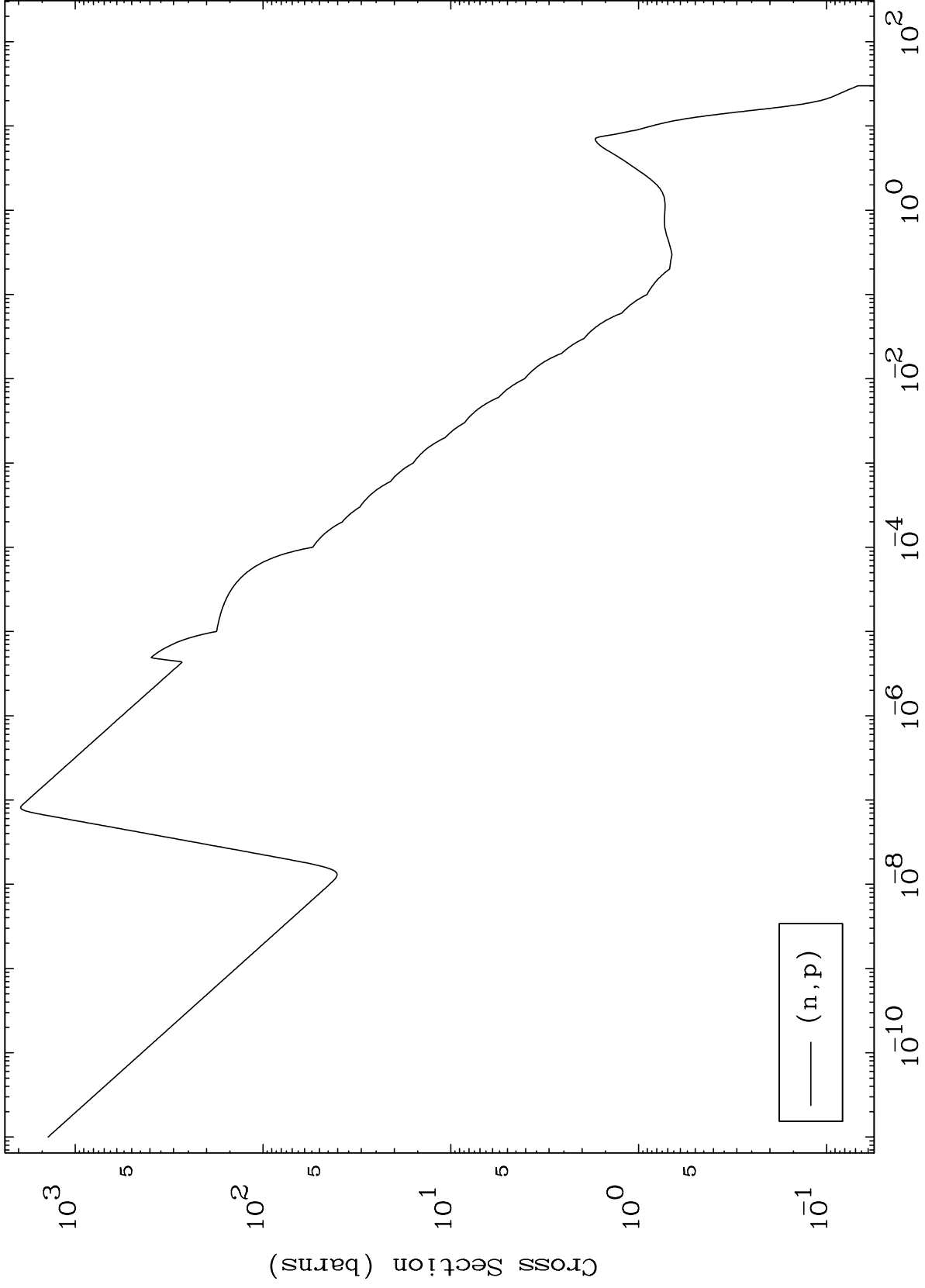
Incident Energy (MeV)

72-Hf-159

MAT 7180

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-159



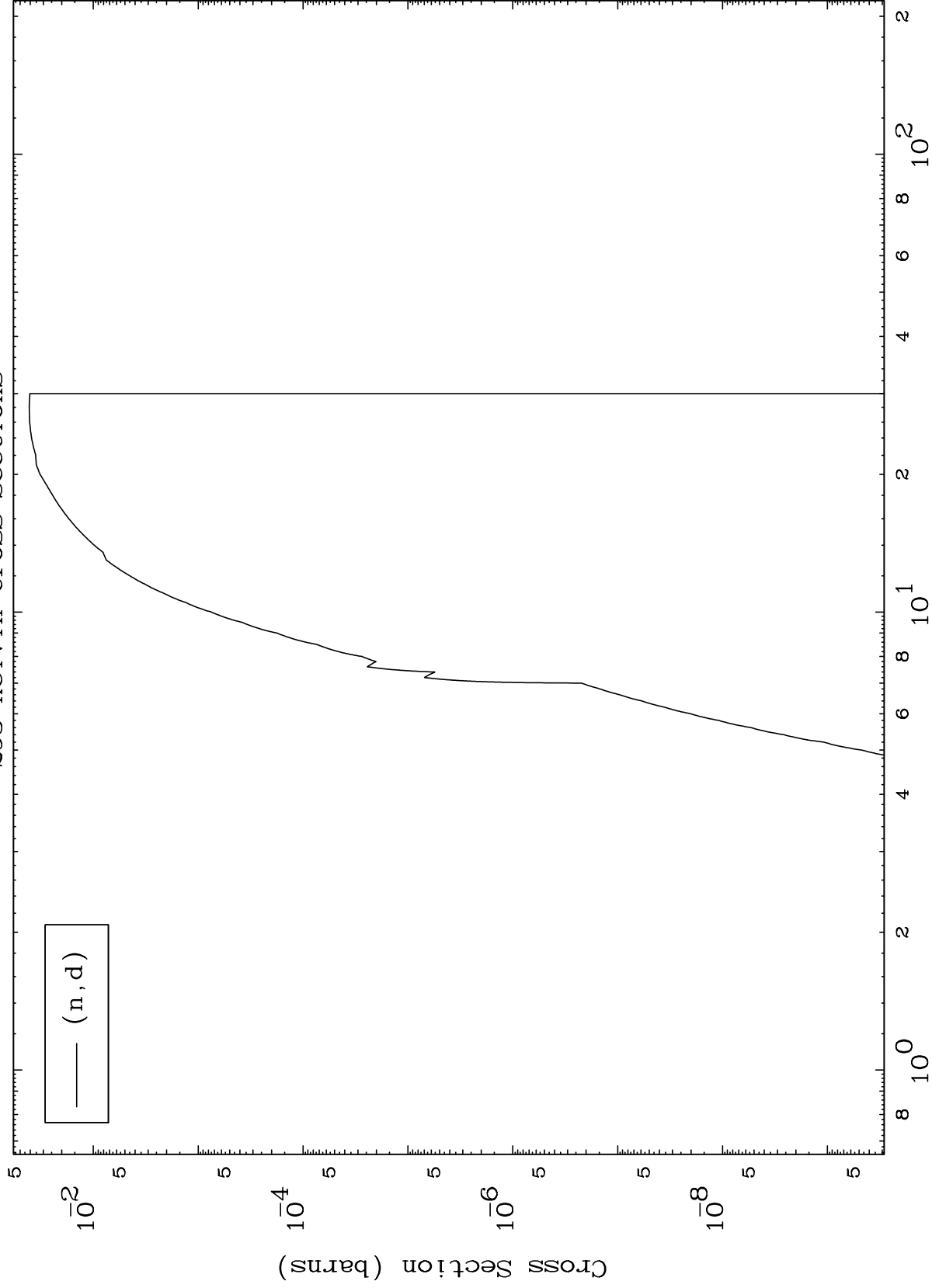
12

72-Hf-159

MAT 7180

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-159



13

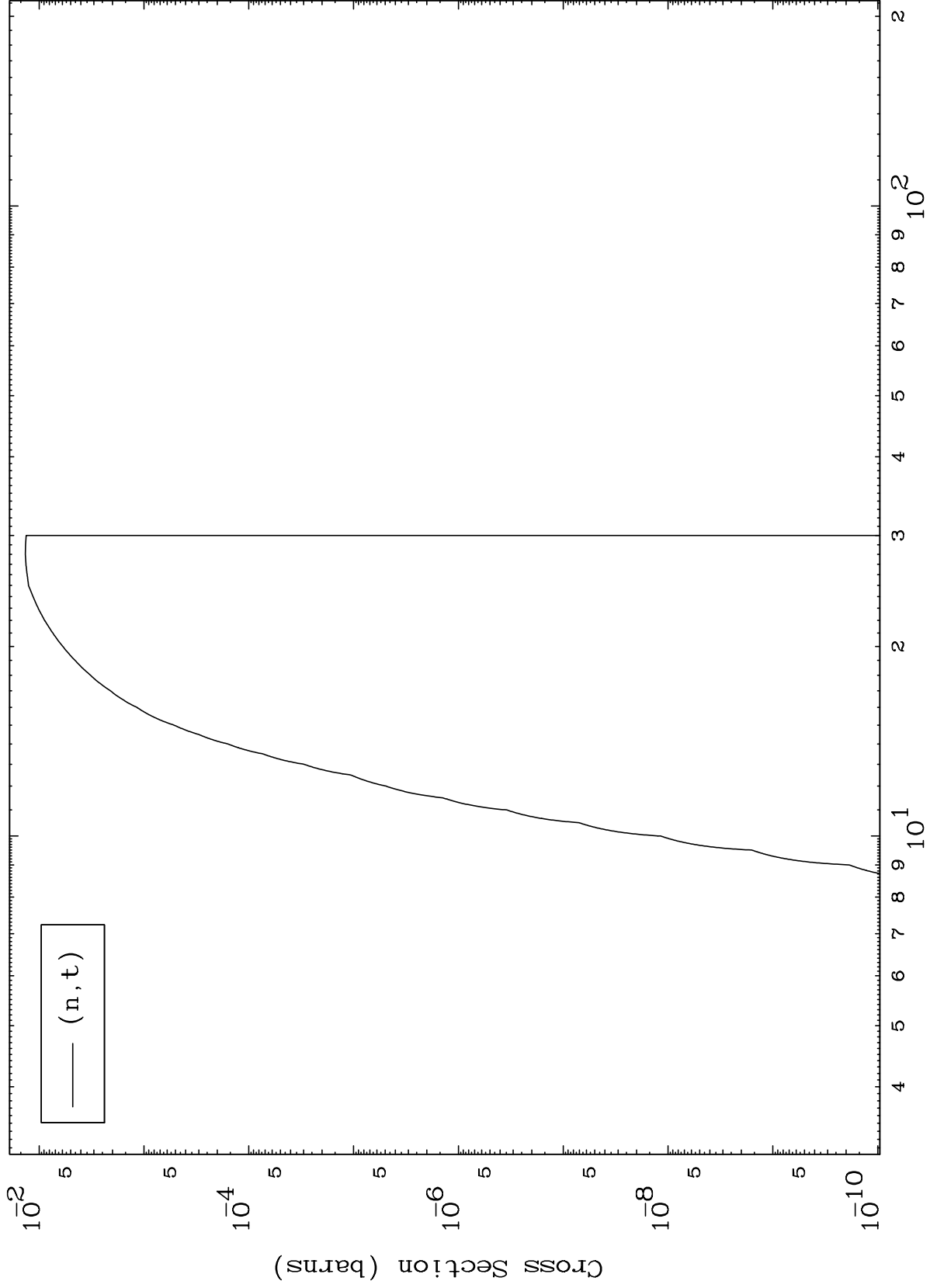
Incident Energy (MeV)

72-Hf-159

MAT 7180

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-159



14

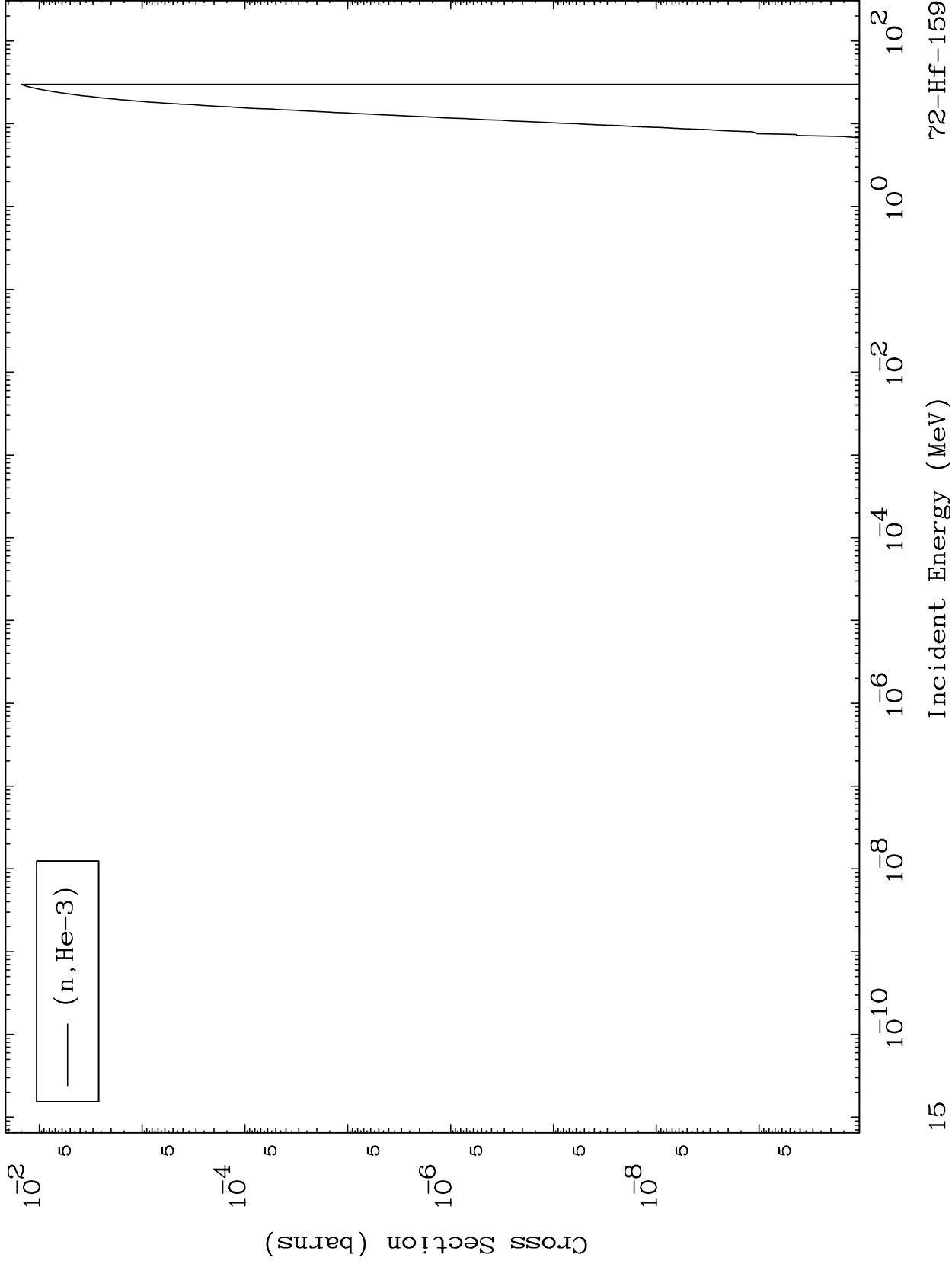
Incident Energy (MeV)

72-Hf-159

MAT 7180

(n,He3) Levels
293 Kelvin Cross Sections

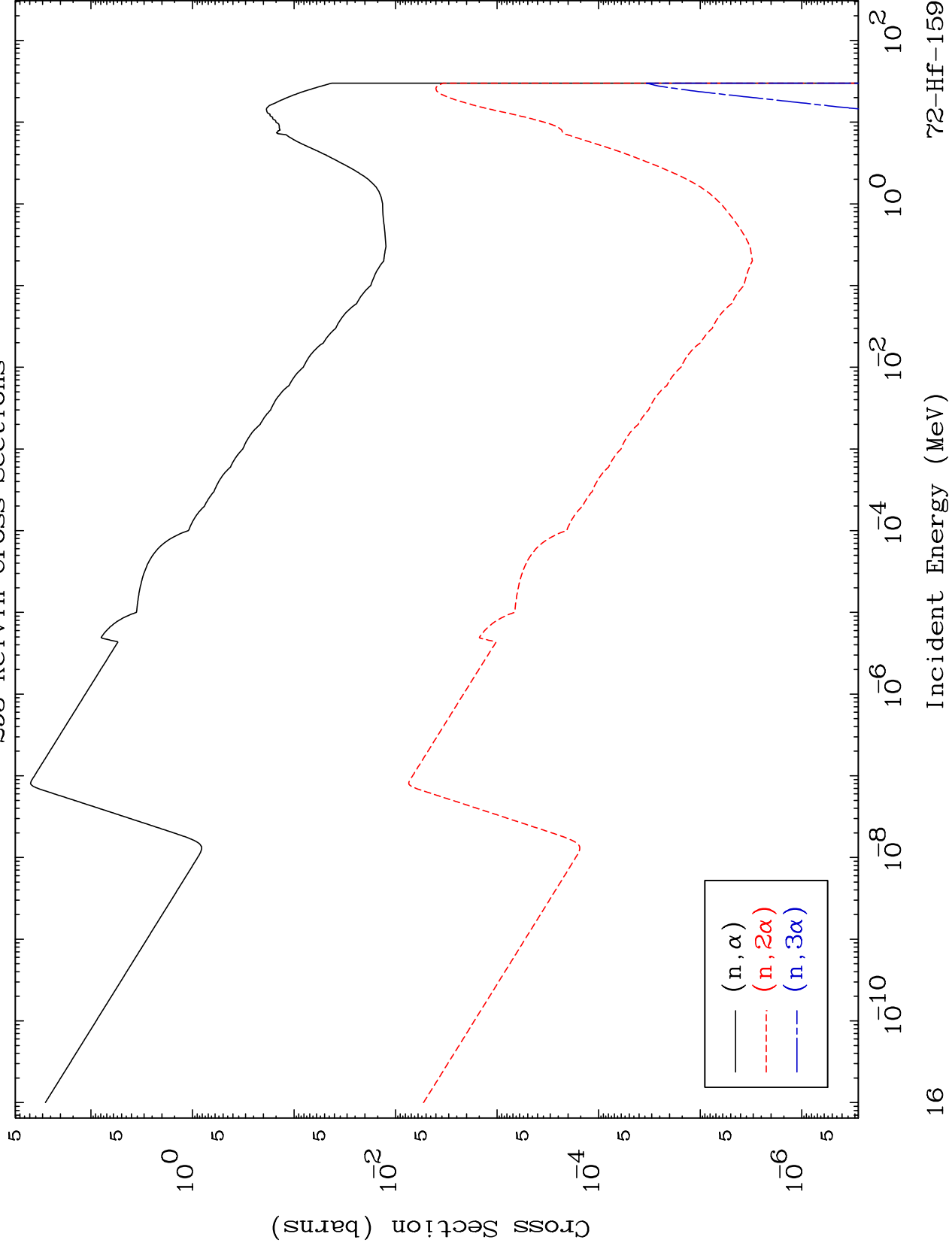
72-Hf-159



MAT 7180

(n, α) Levels
293 Kelvin Cross Sections

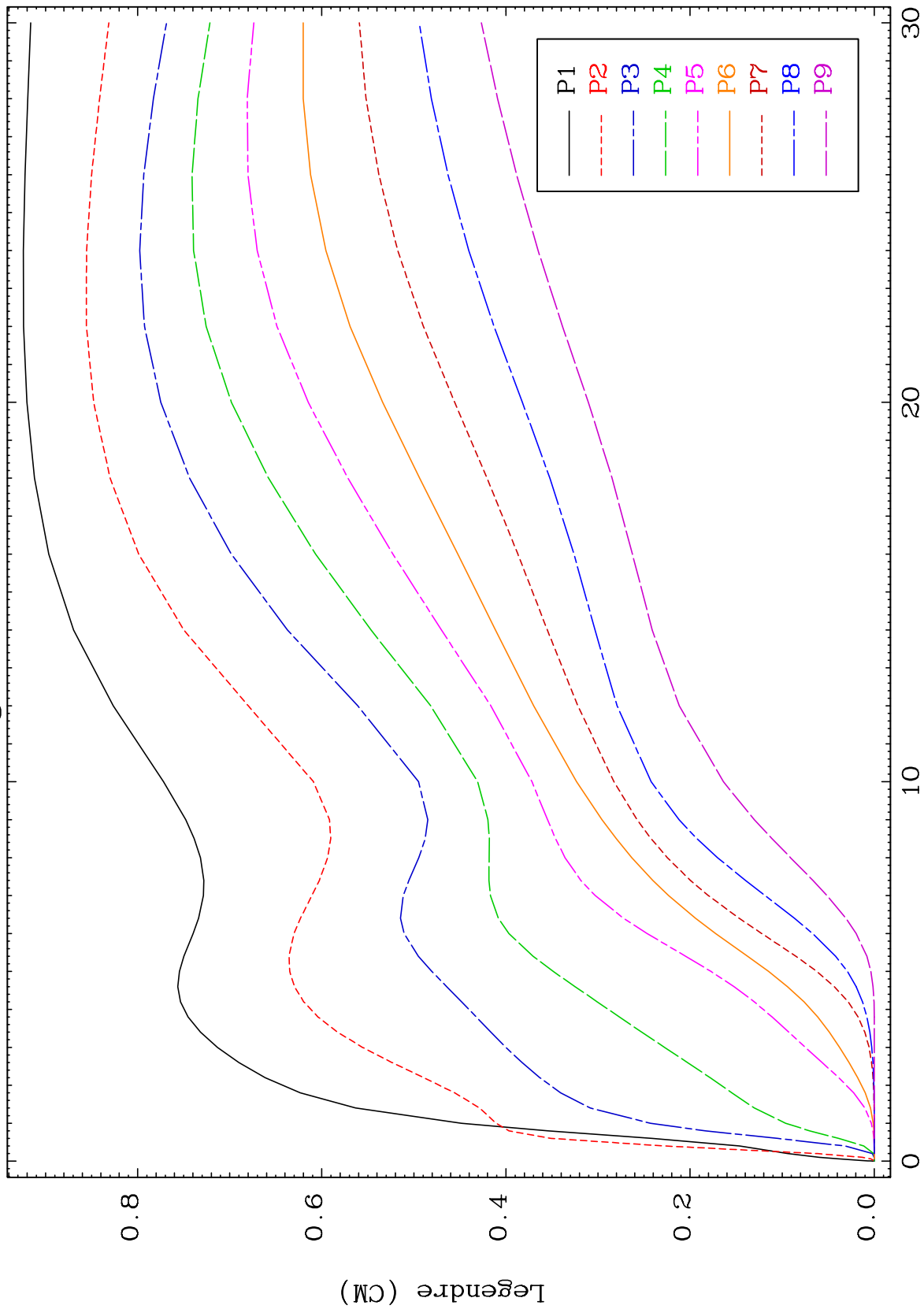
72-Hf-159



MAT 7180

Elastic Legendre Coefficients

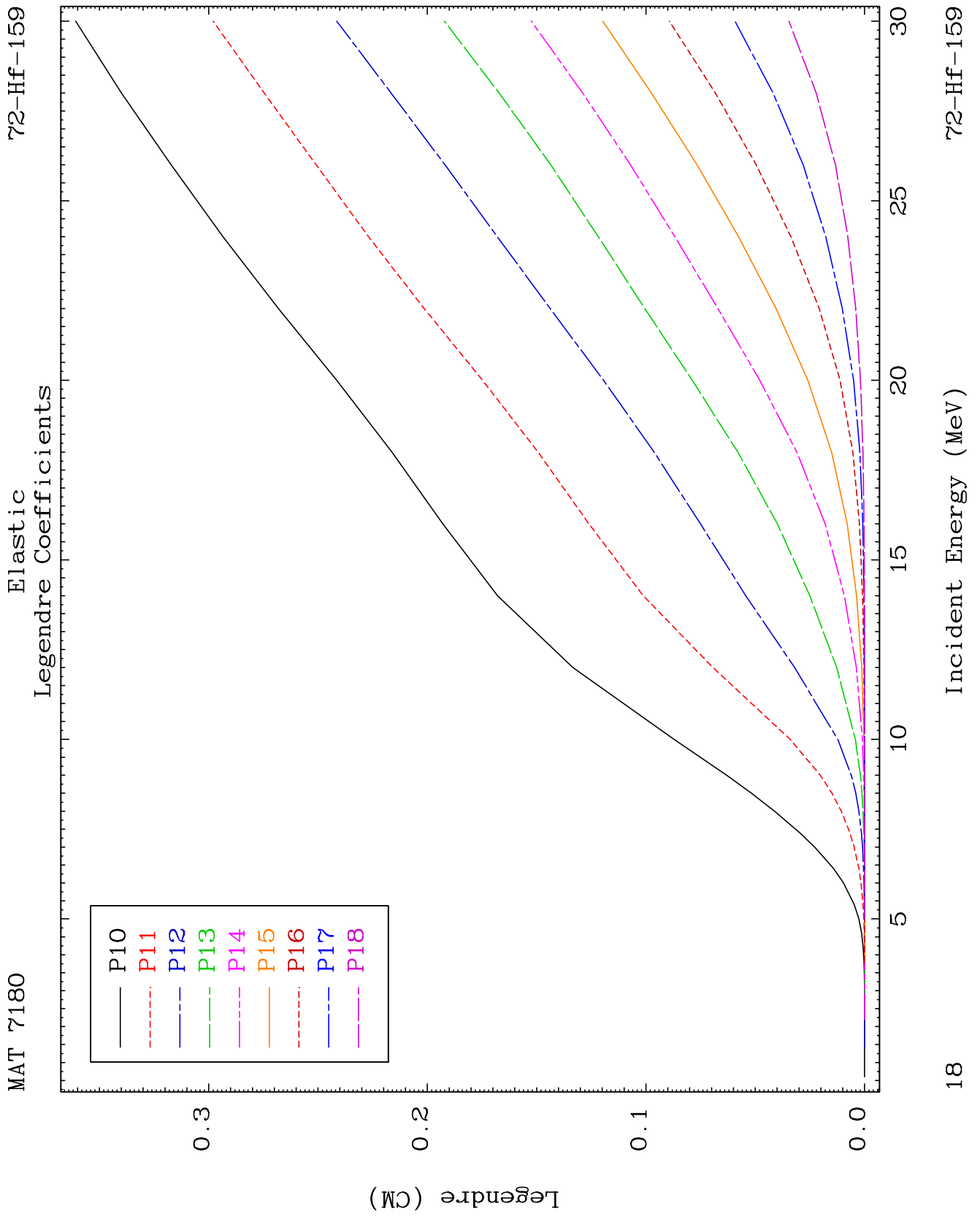
72-Hf-159



17

Incident Energy (MeV)

72-Hf-159



MAT 7180

Elastic Legendre Coefficients

$^{72}\text{Hf-159}$

18

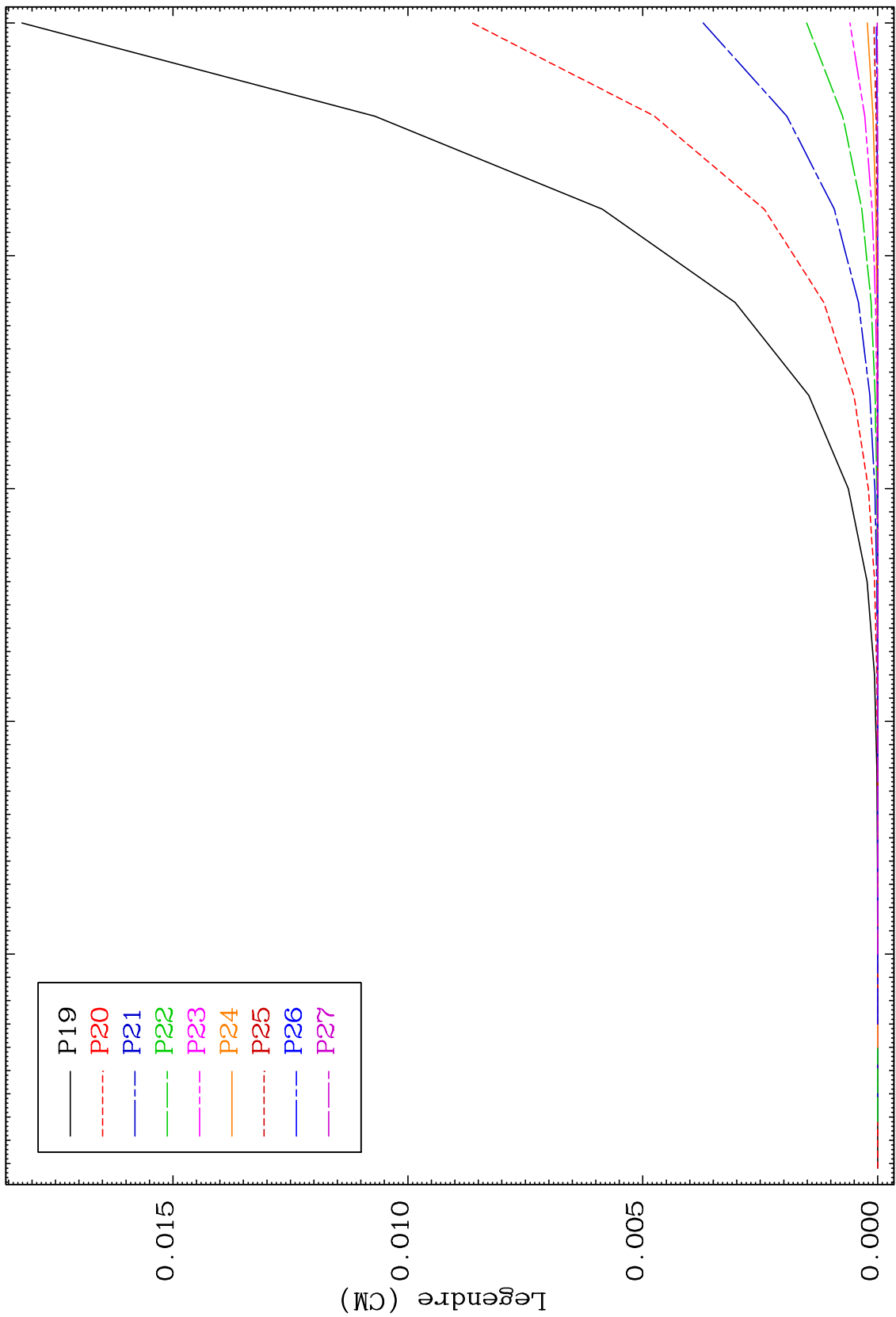
Incident Energy (MeV)

$^{72}\text{Hf-159}$

MAT 7180

Elastic Legendre Coefficients

72-Hf-159



19

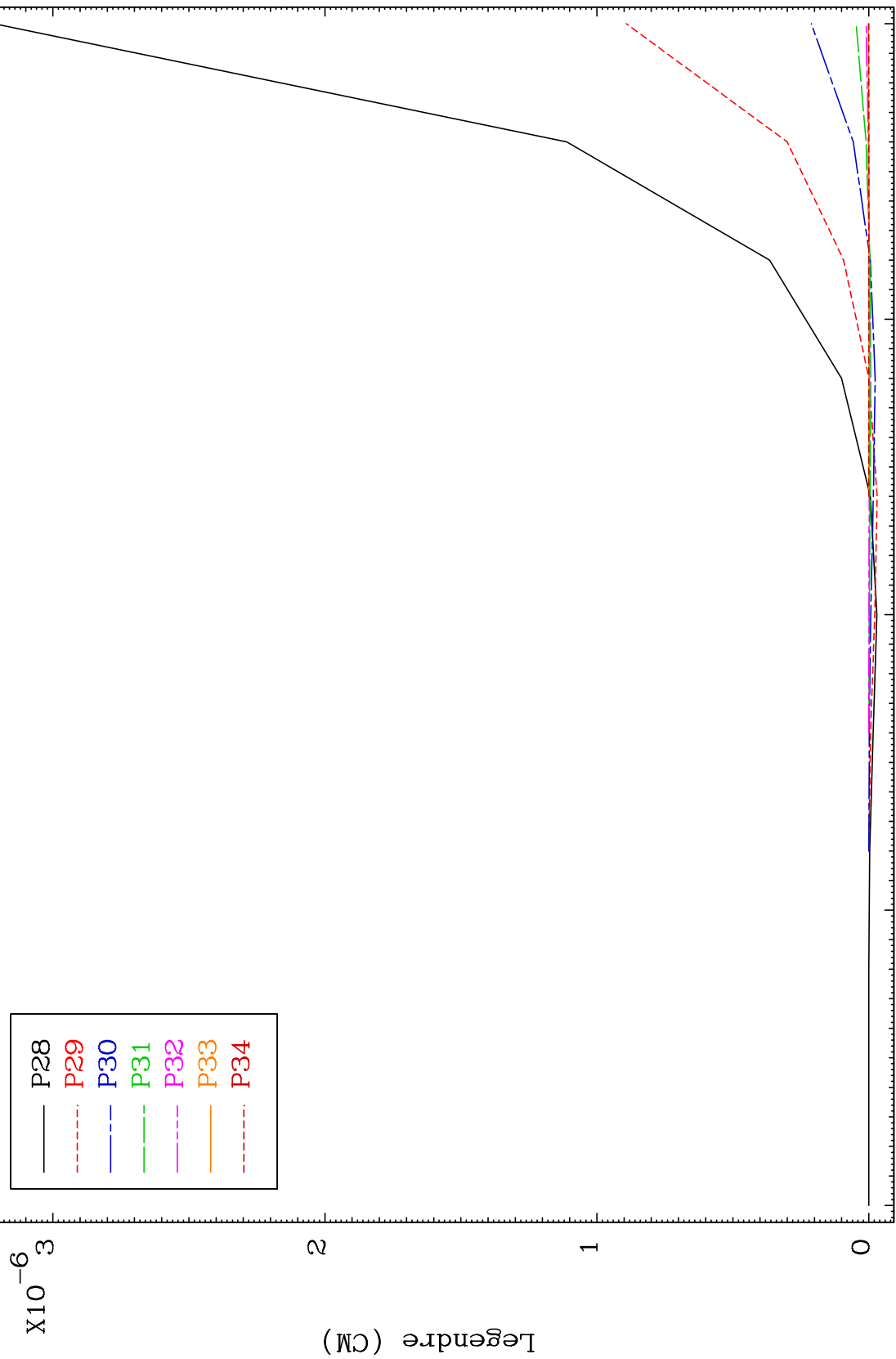
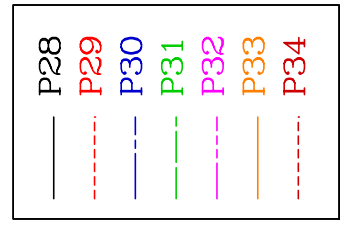
Incident Energy (MeV)

72-Hf-159

MAT 7180

Elastic Legendre Coefficients

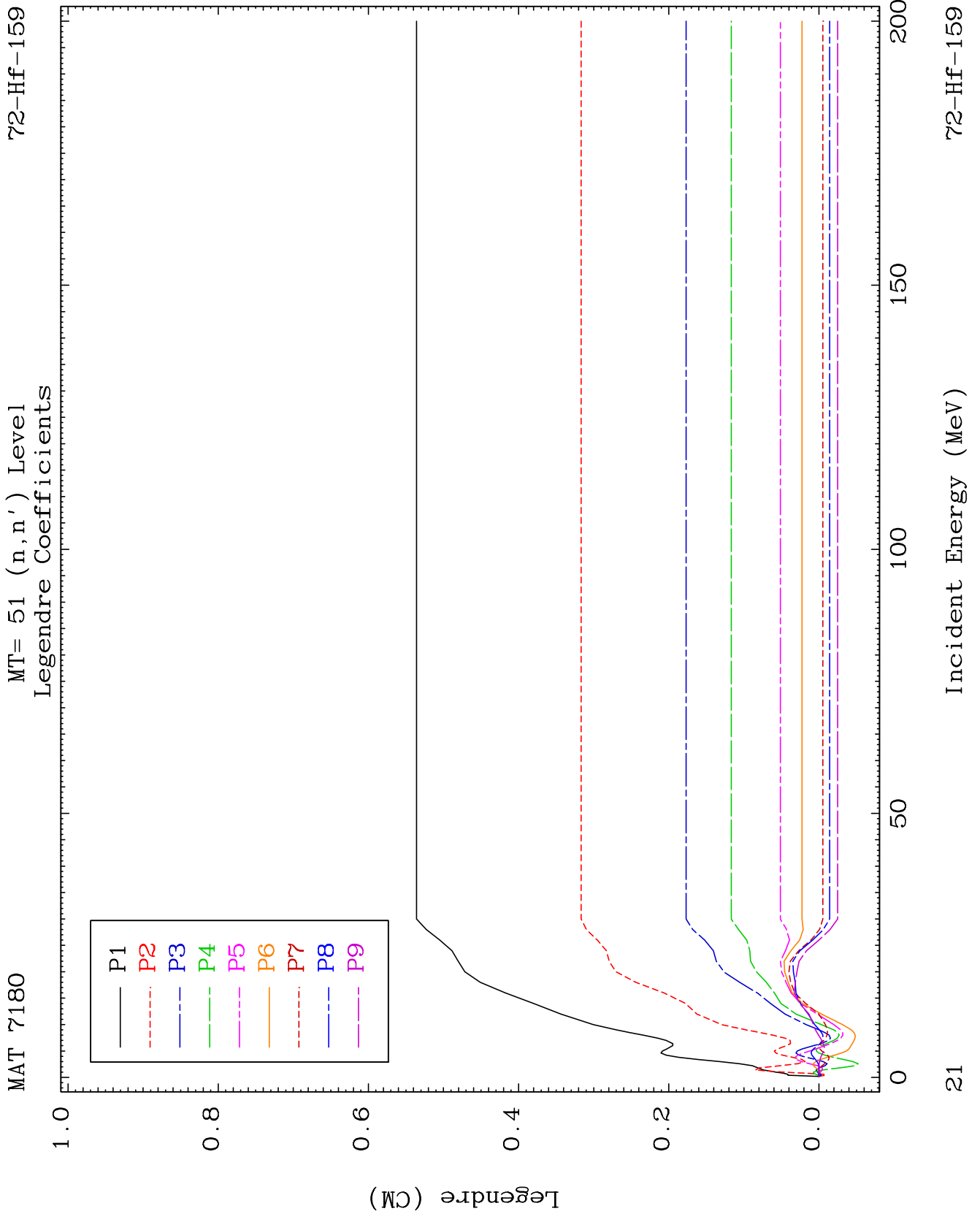
72-Hf-159



20

Incident Energy (MeV)

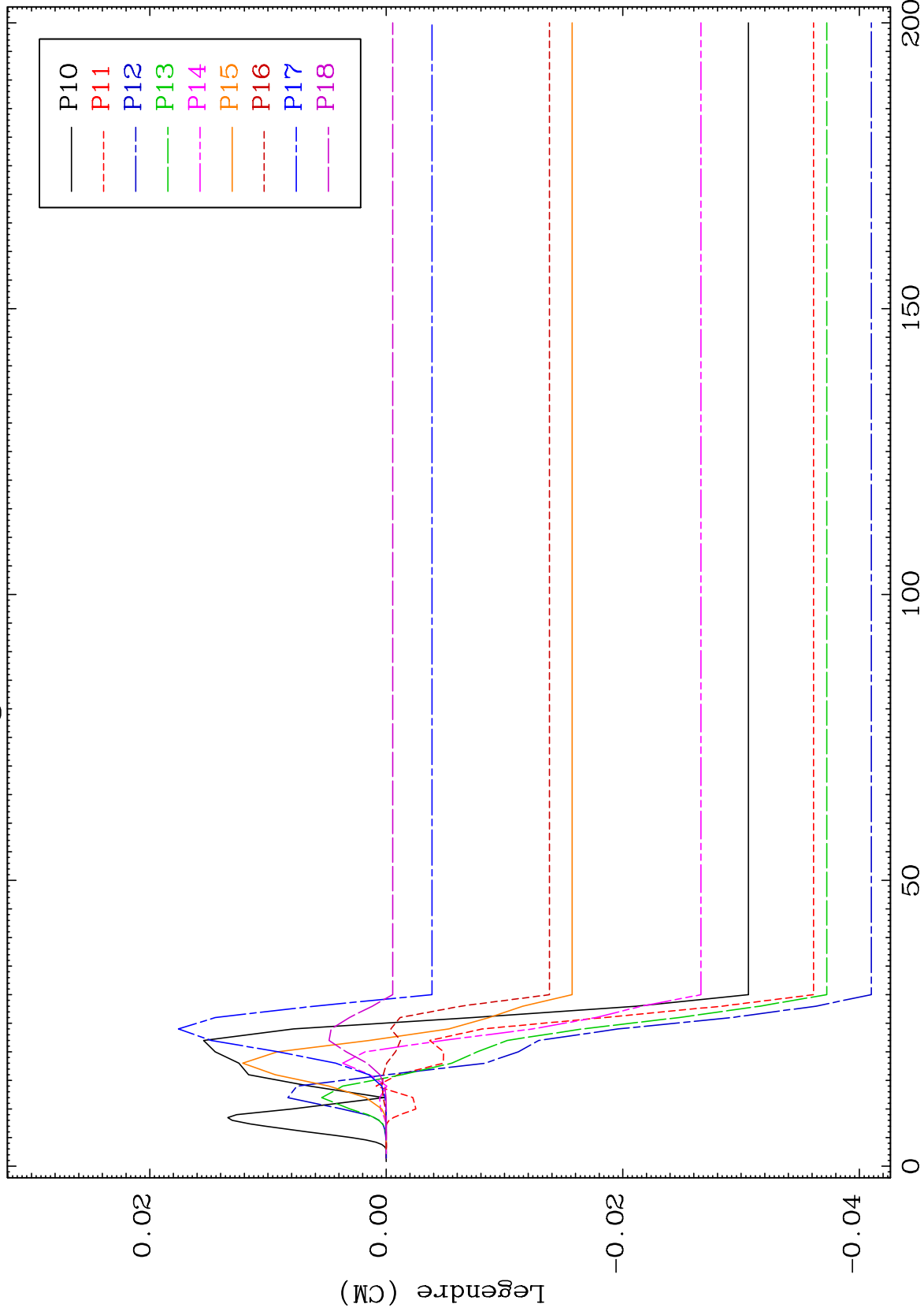
72-Hf-159



MAT 7180

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

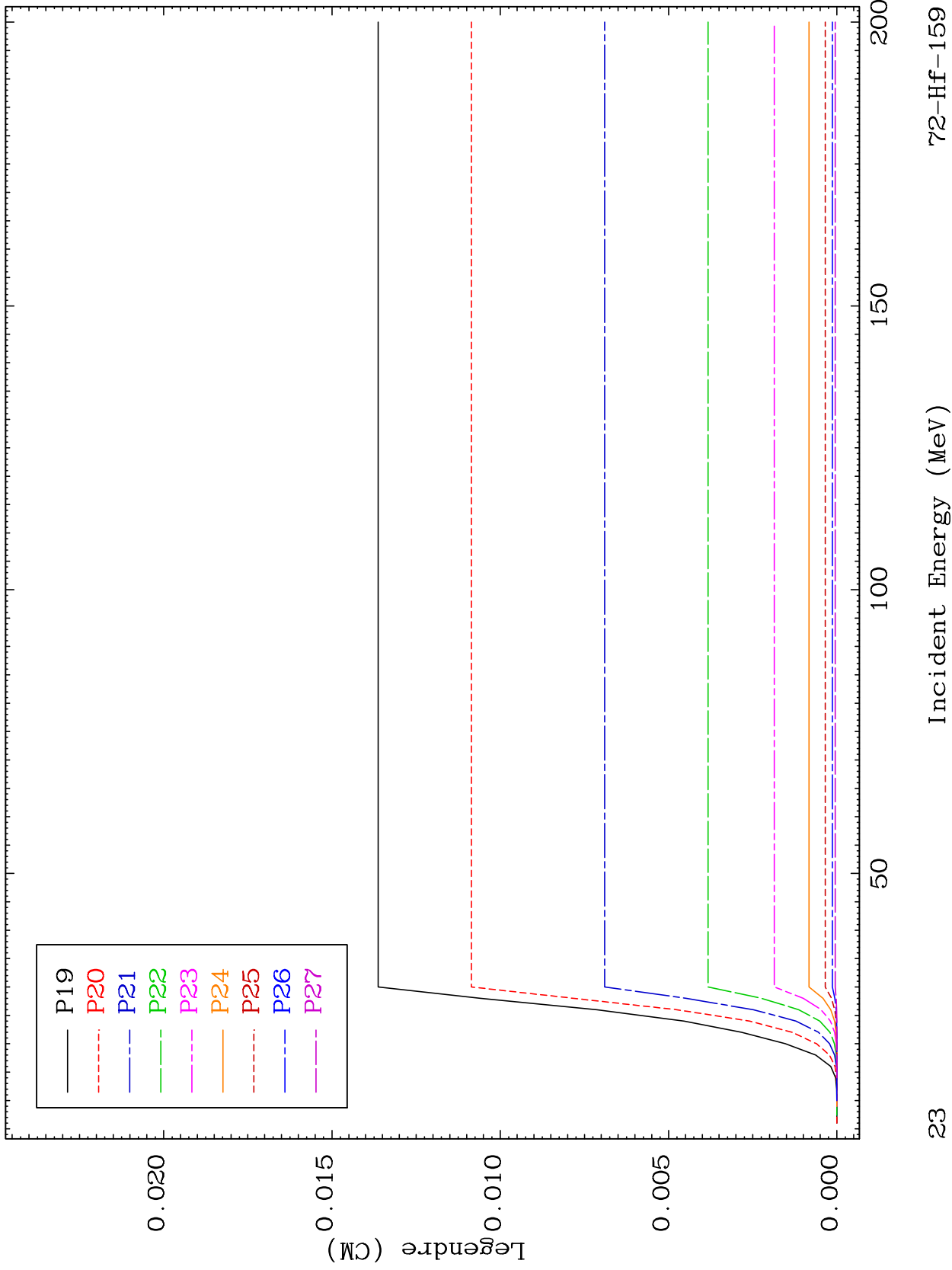
72-Hf-159



22

Incident Energy (MeV)

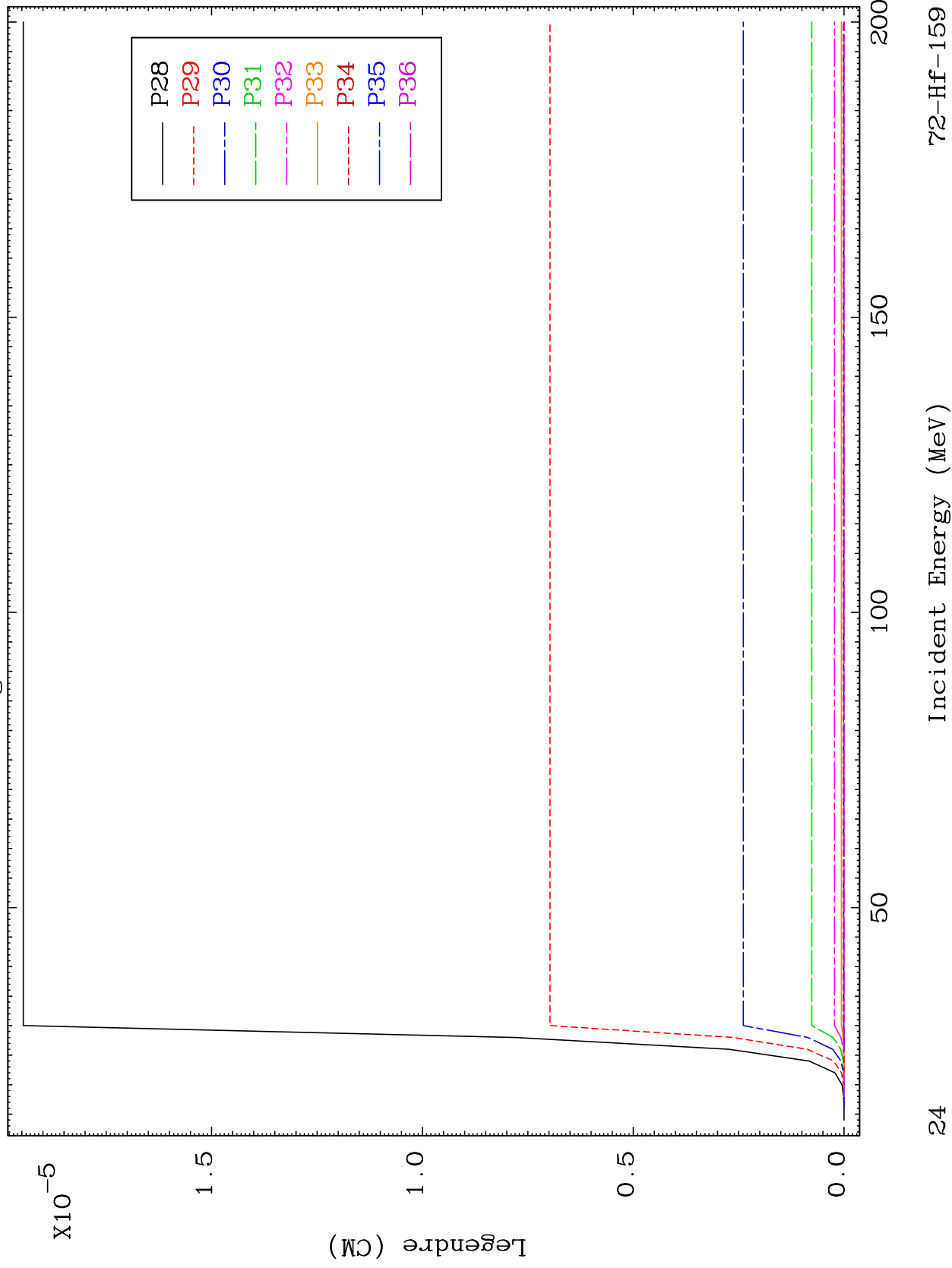
72-Hf-159



MAT 7180

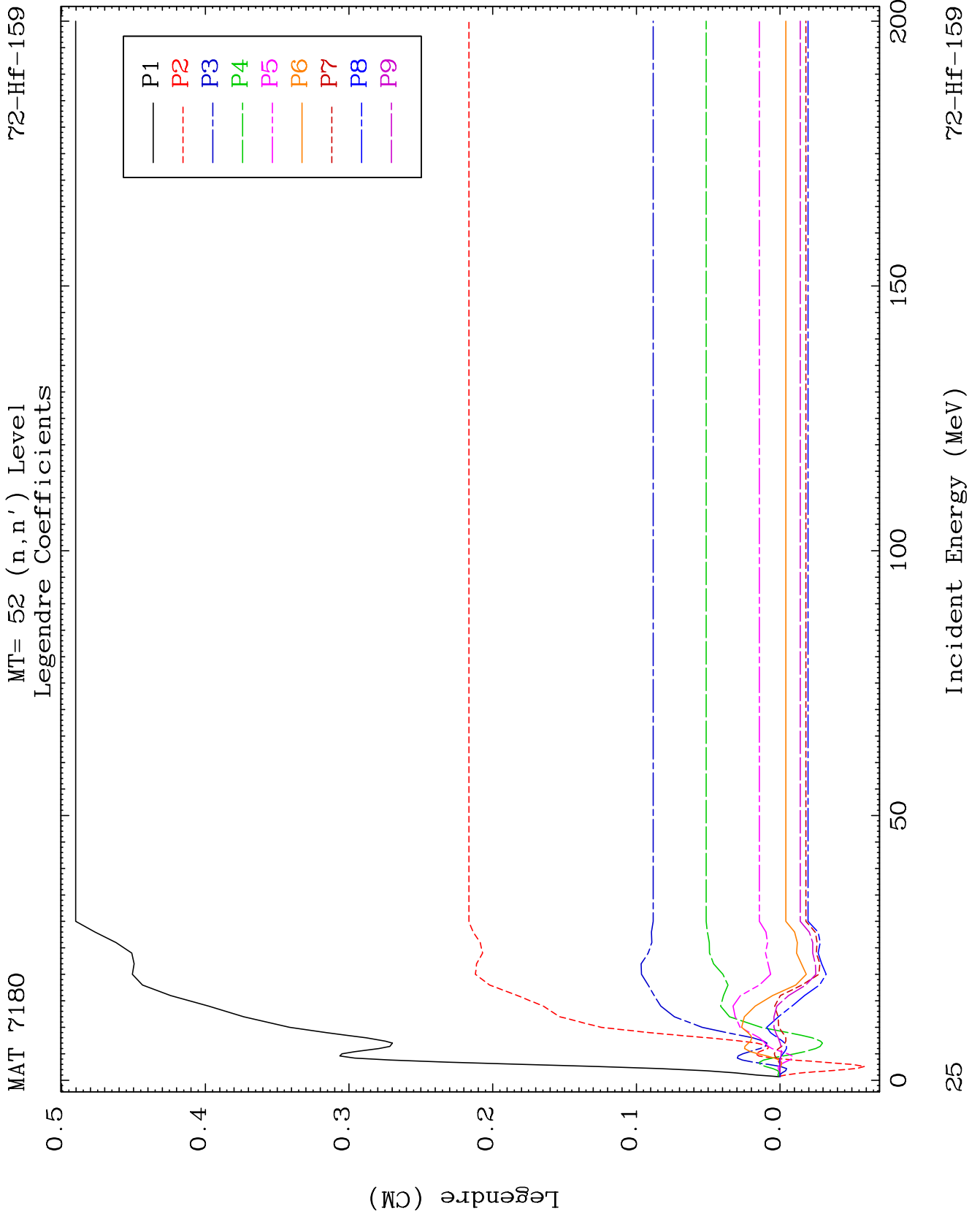
MT= 51 (n,n') Level
Legendre Coefficients

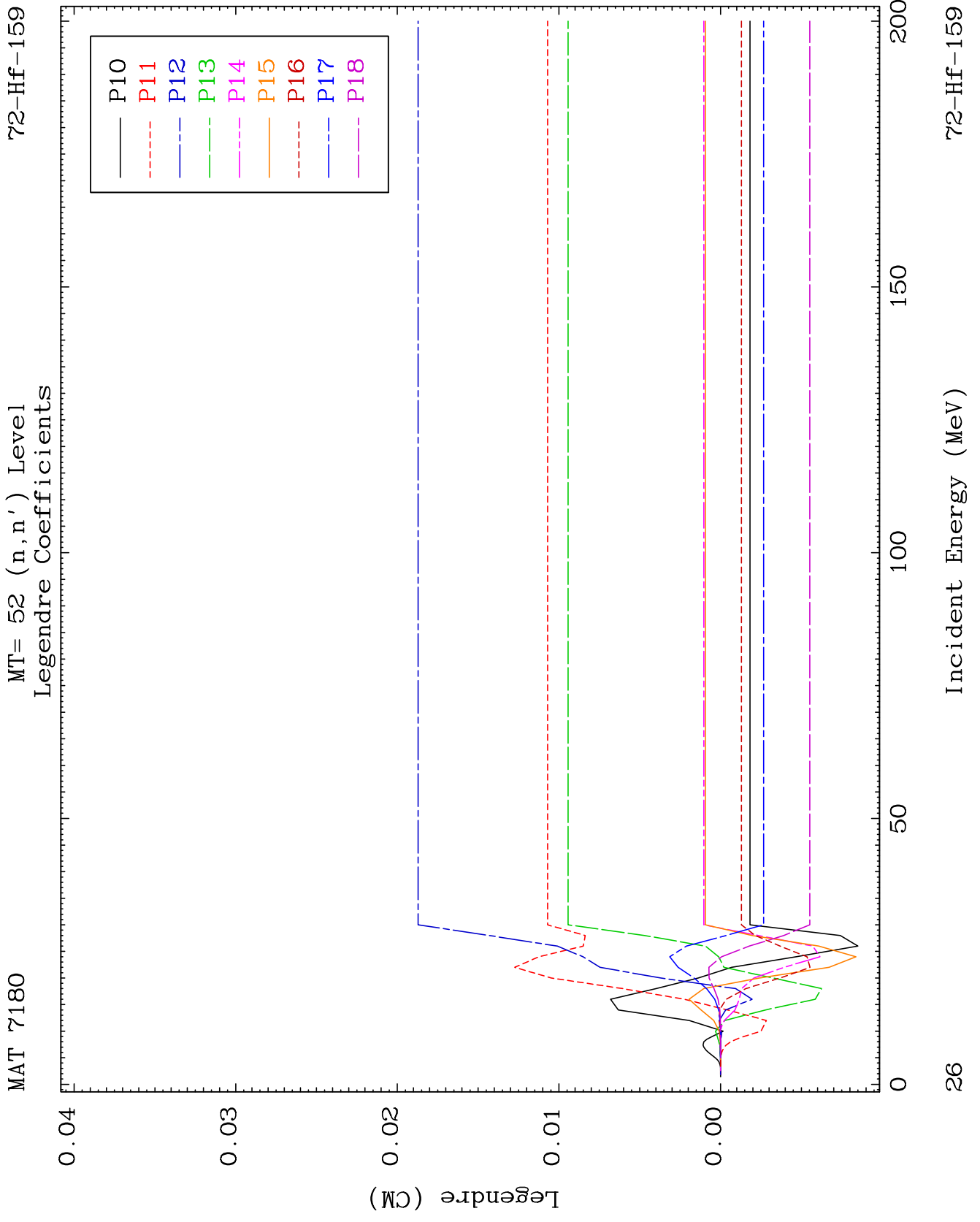
72-Hf-159

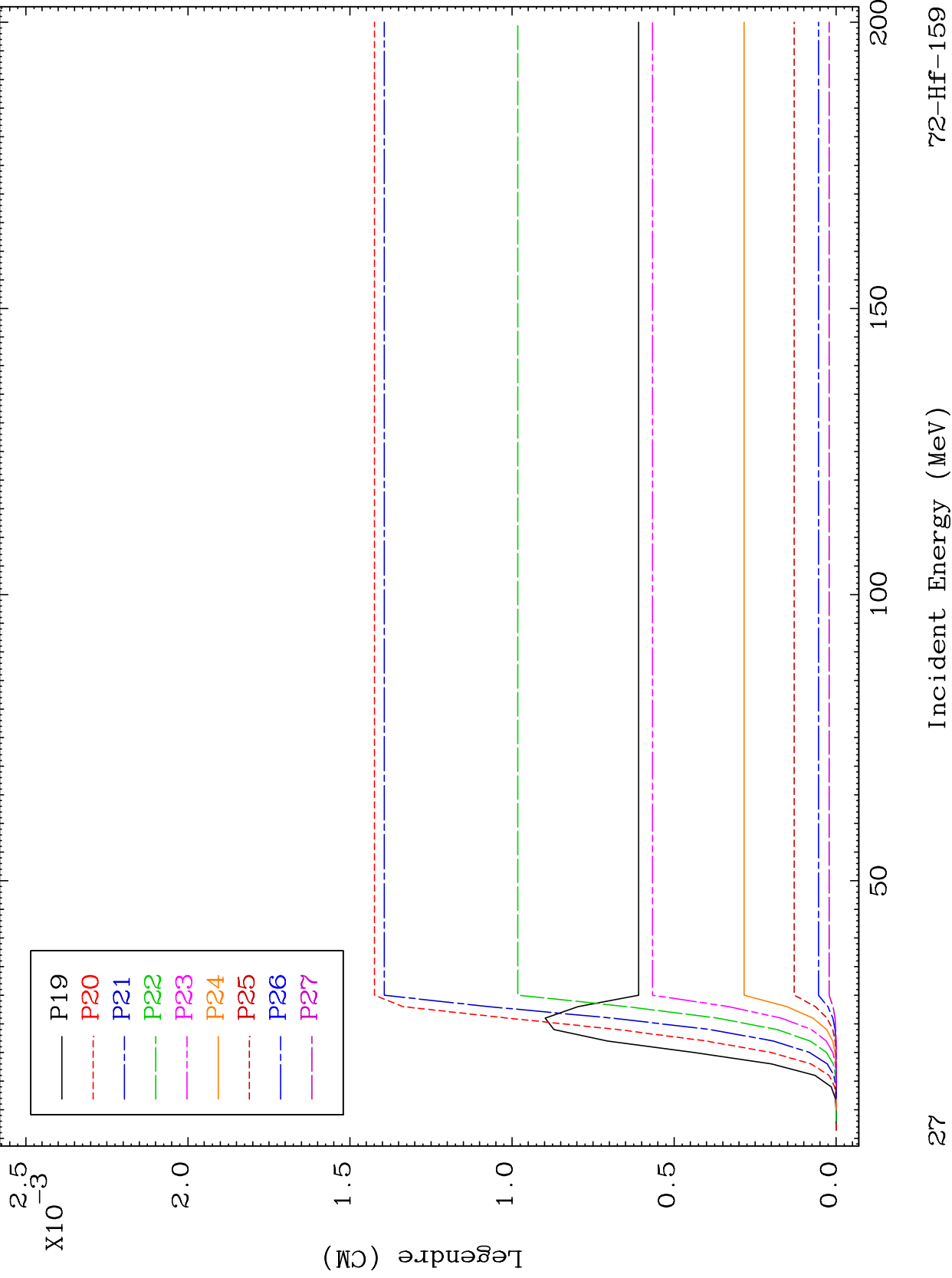


24

72-Hf-159



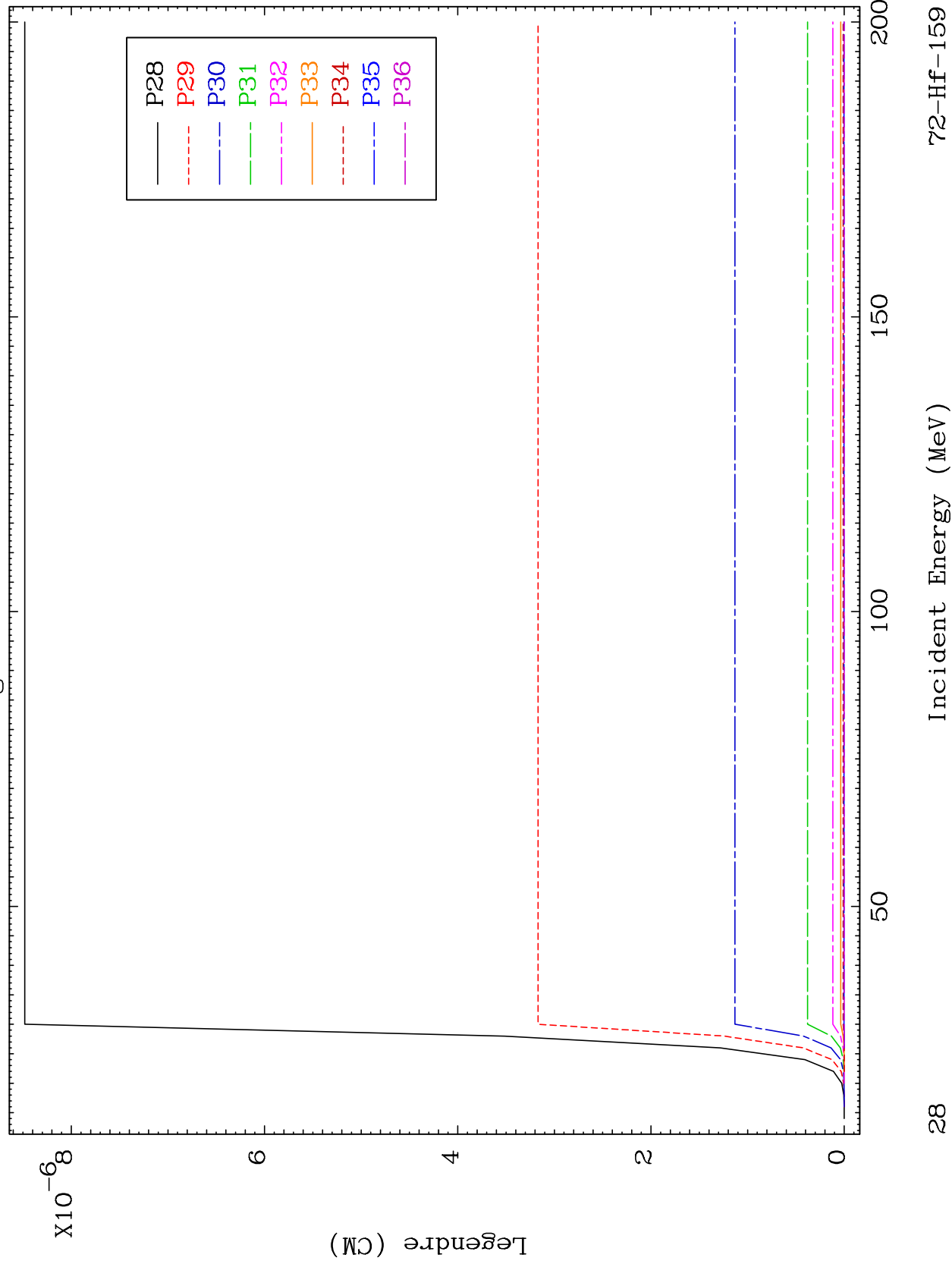




MAT 7180

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

72-Hf-159



28

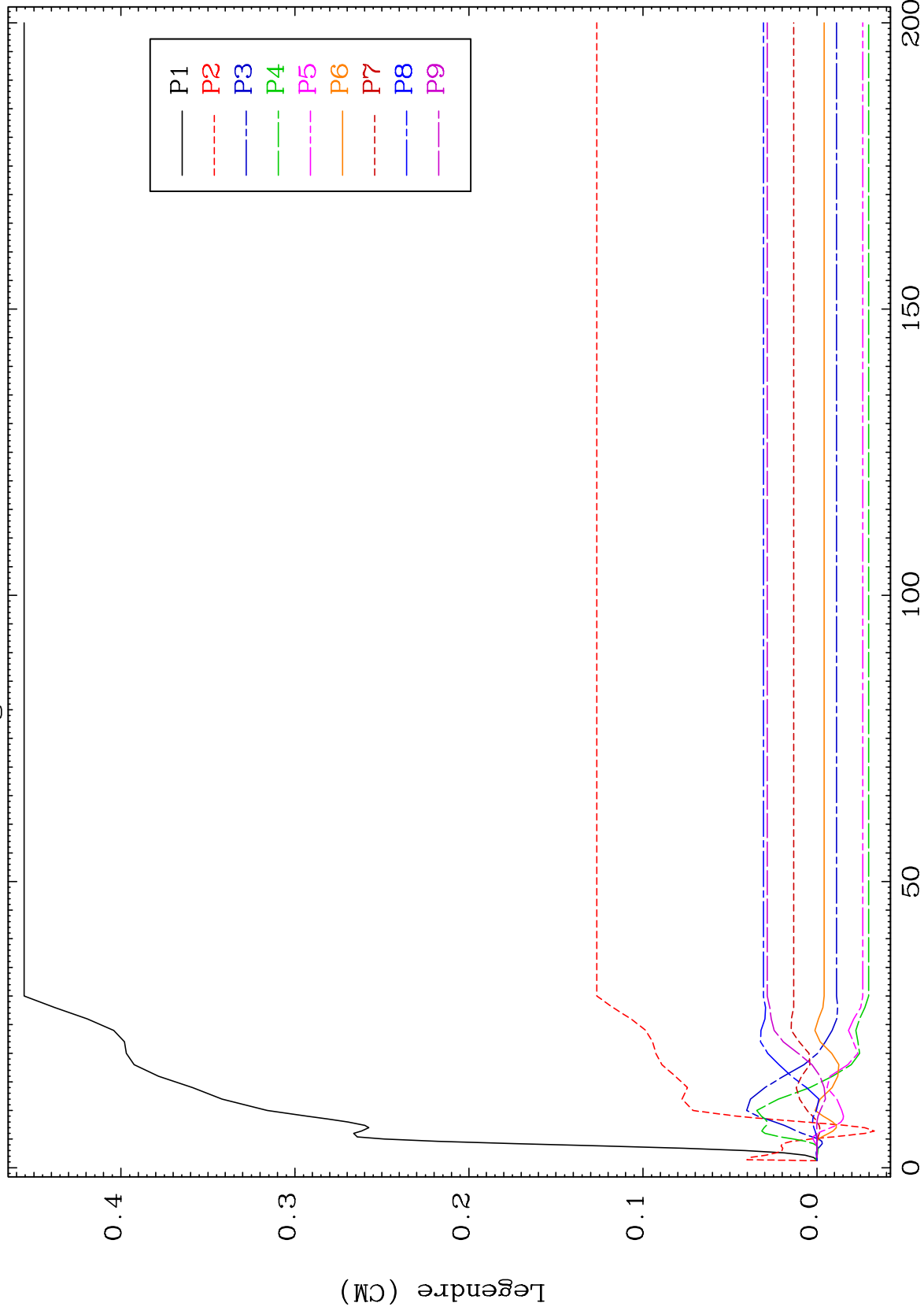
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



29

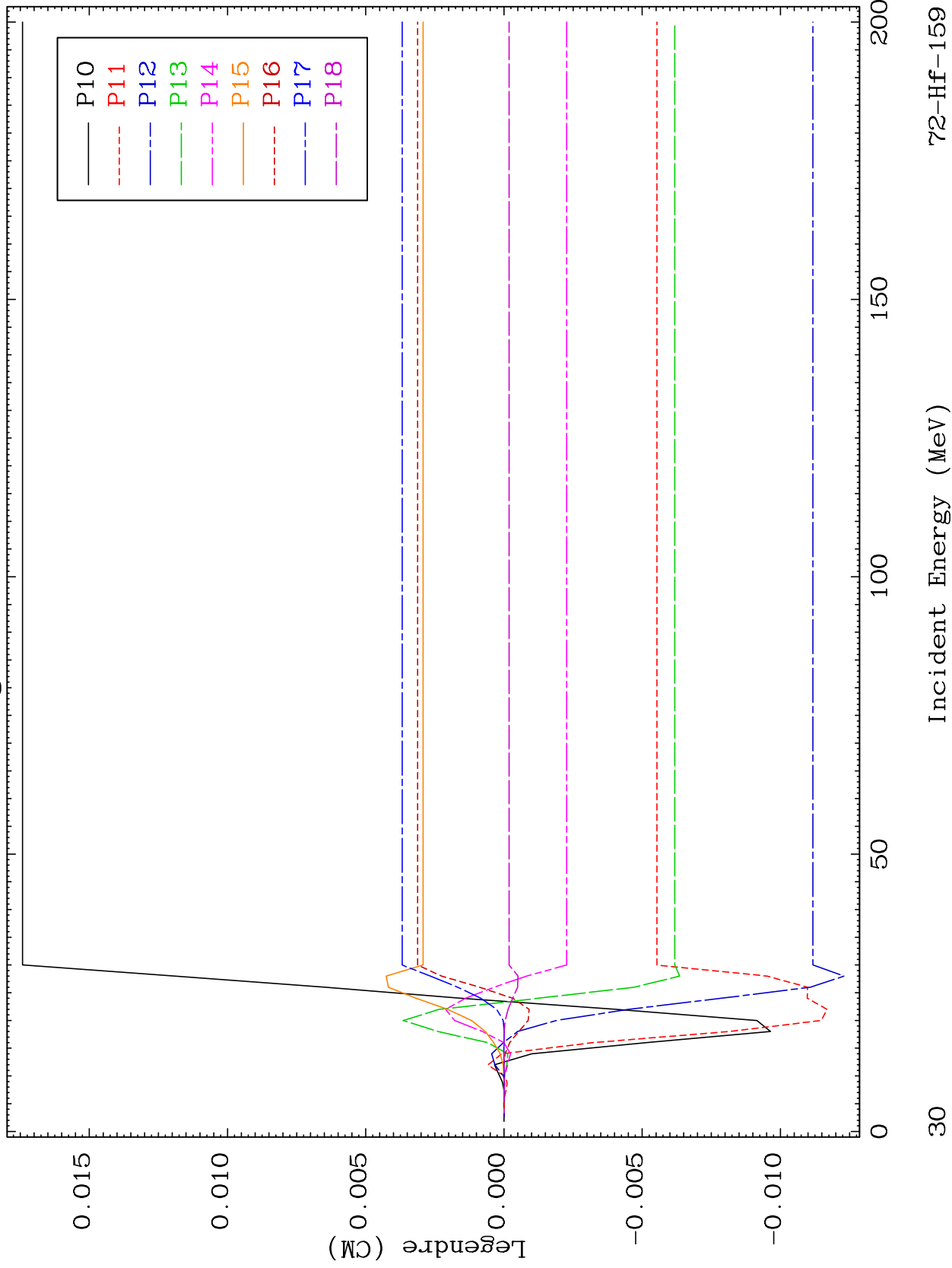
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



72-Hf-159

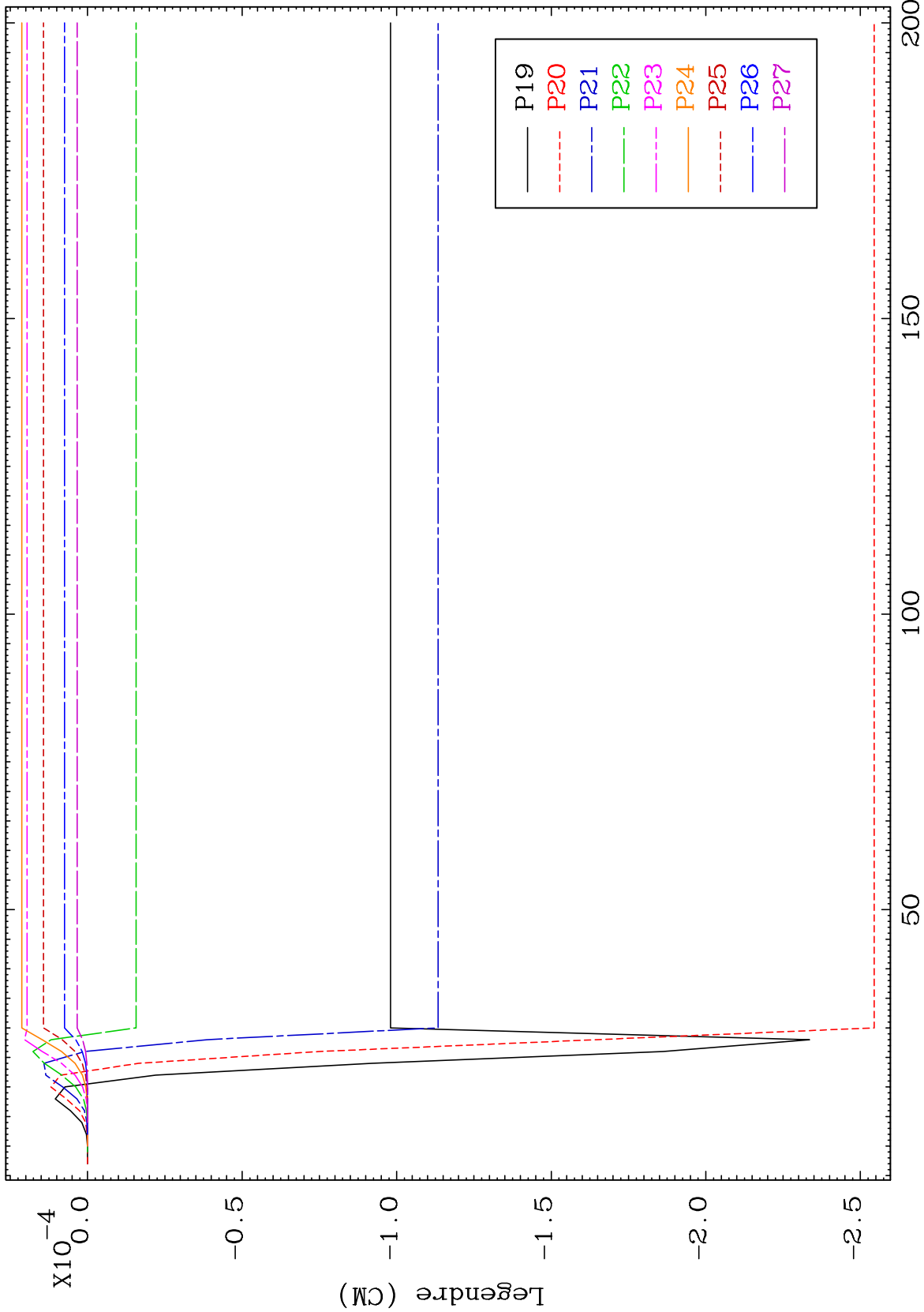
Incident Energy (MeV)

30

MAT 7180

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

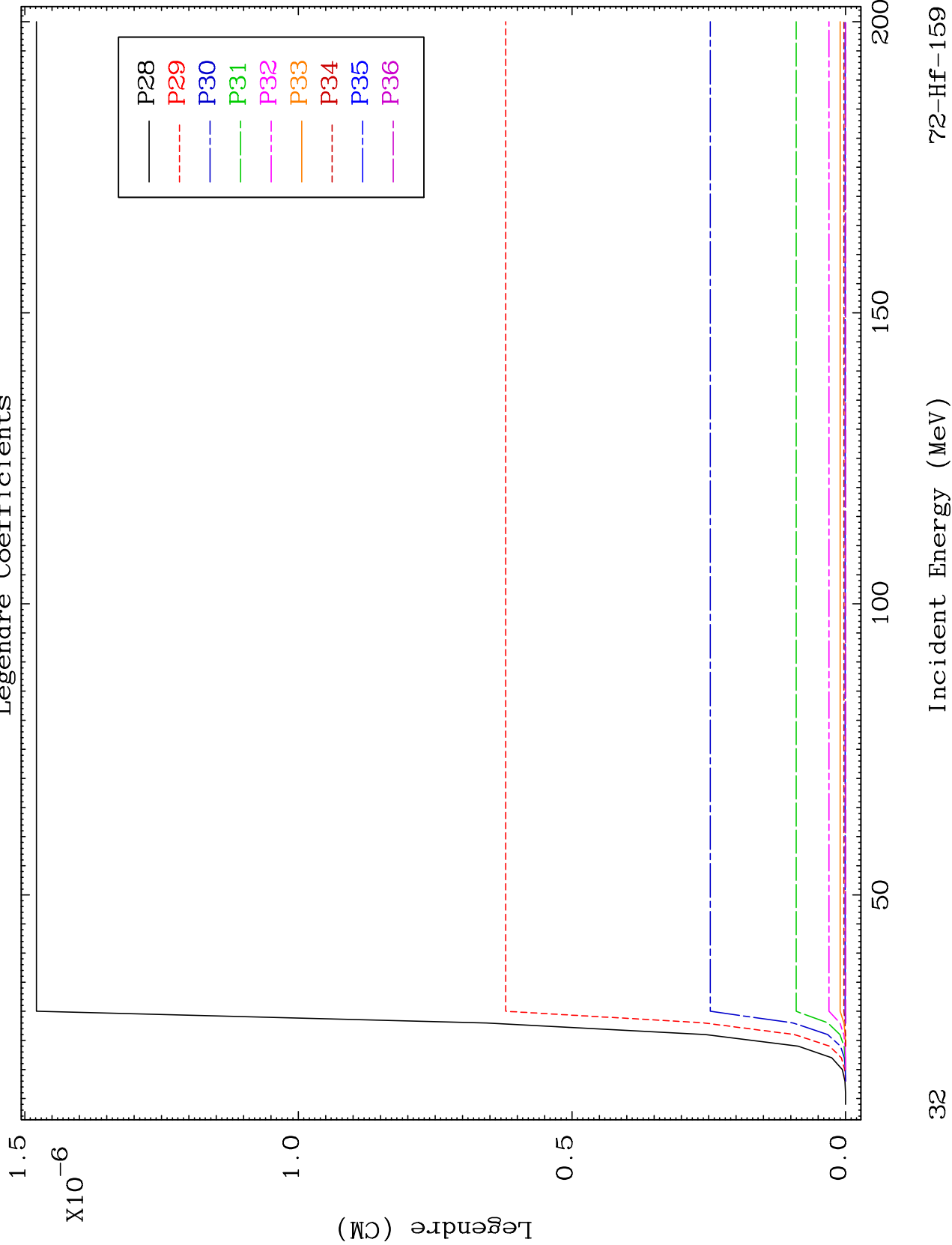
72-Hf-159



MAT 7180

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

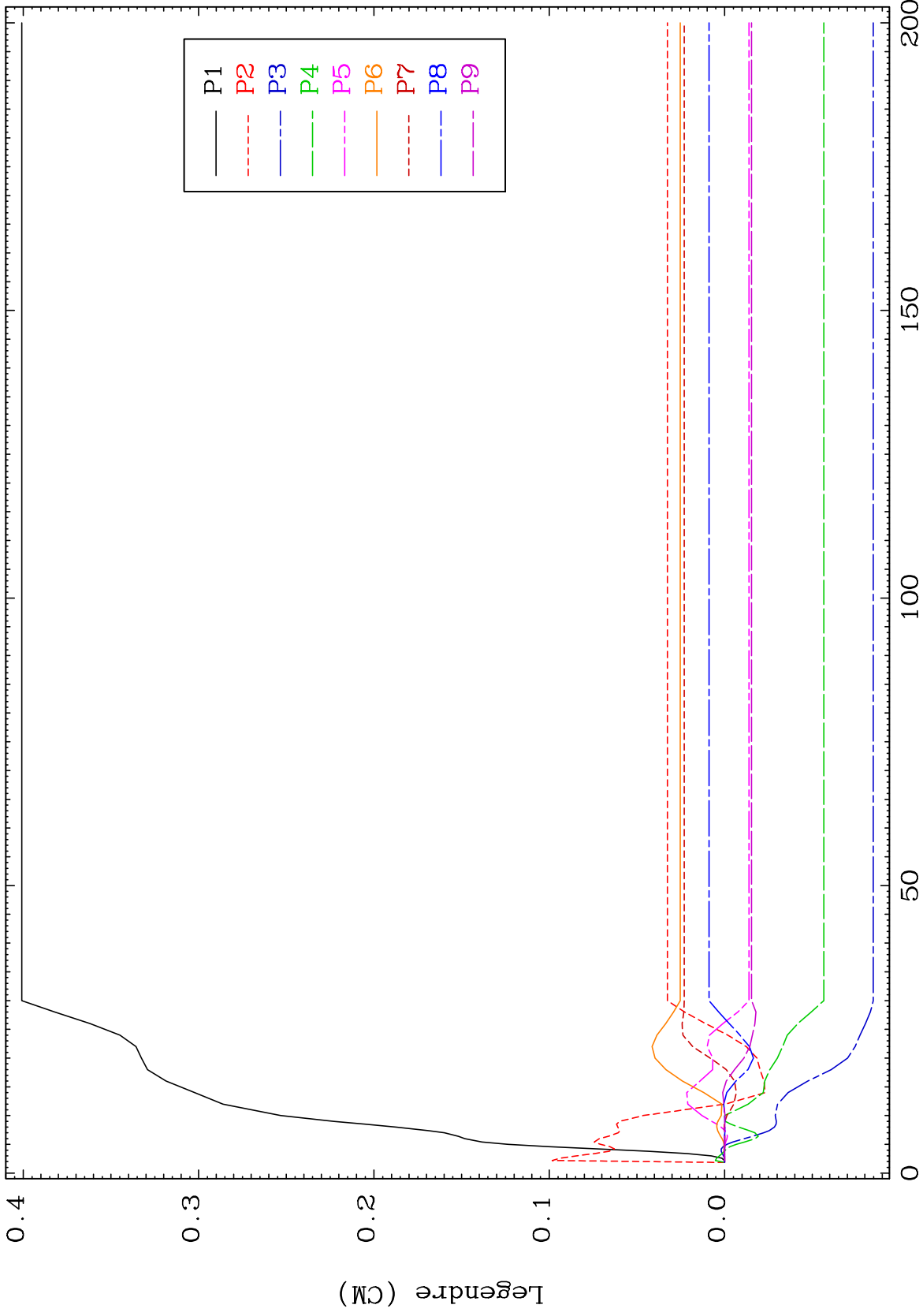
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32

Incident Energy (MeV)

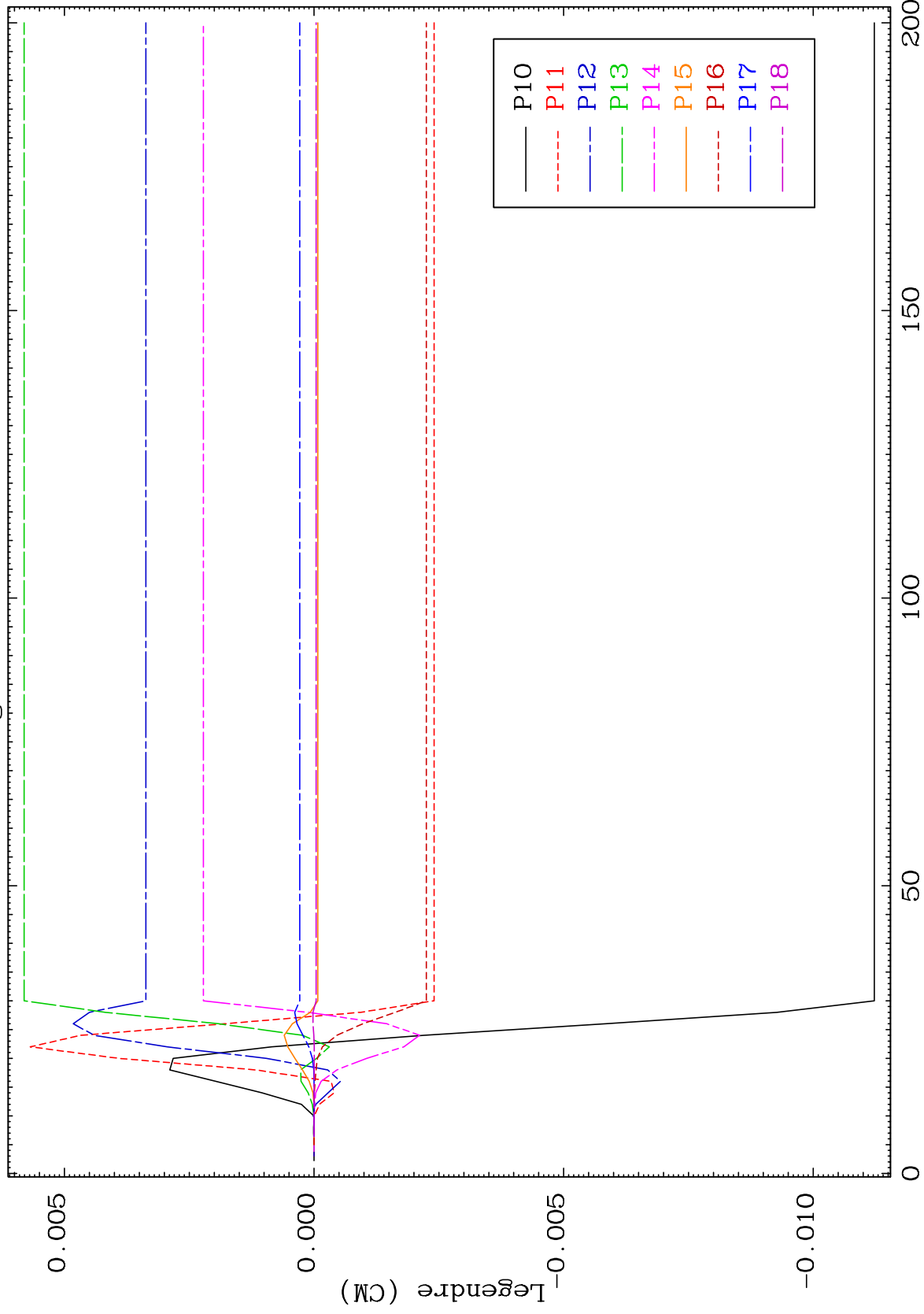
72-Hf-159



MAT 7180

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

72-Hf-159



34

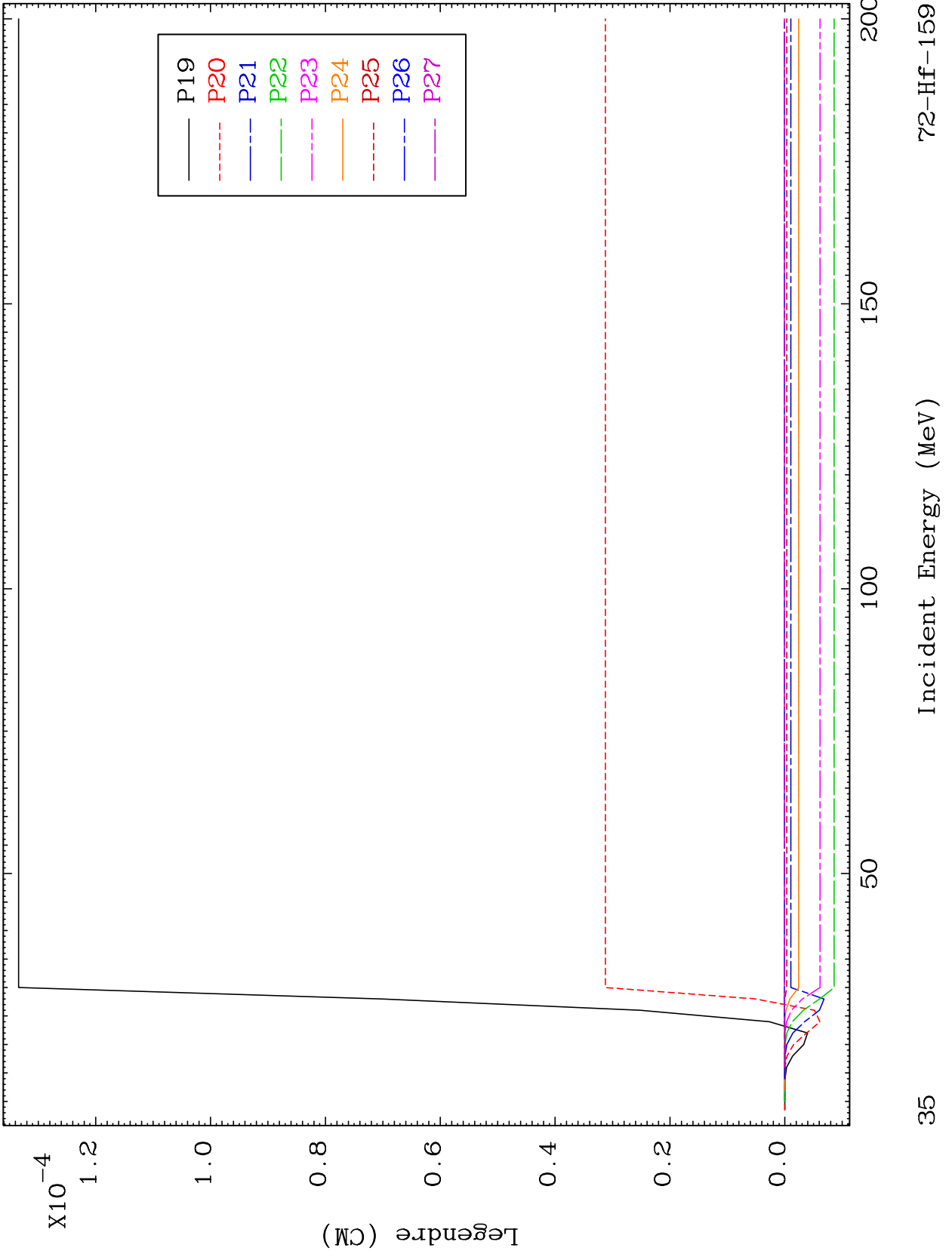
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



35

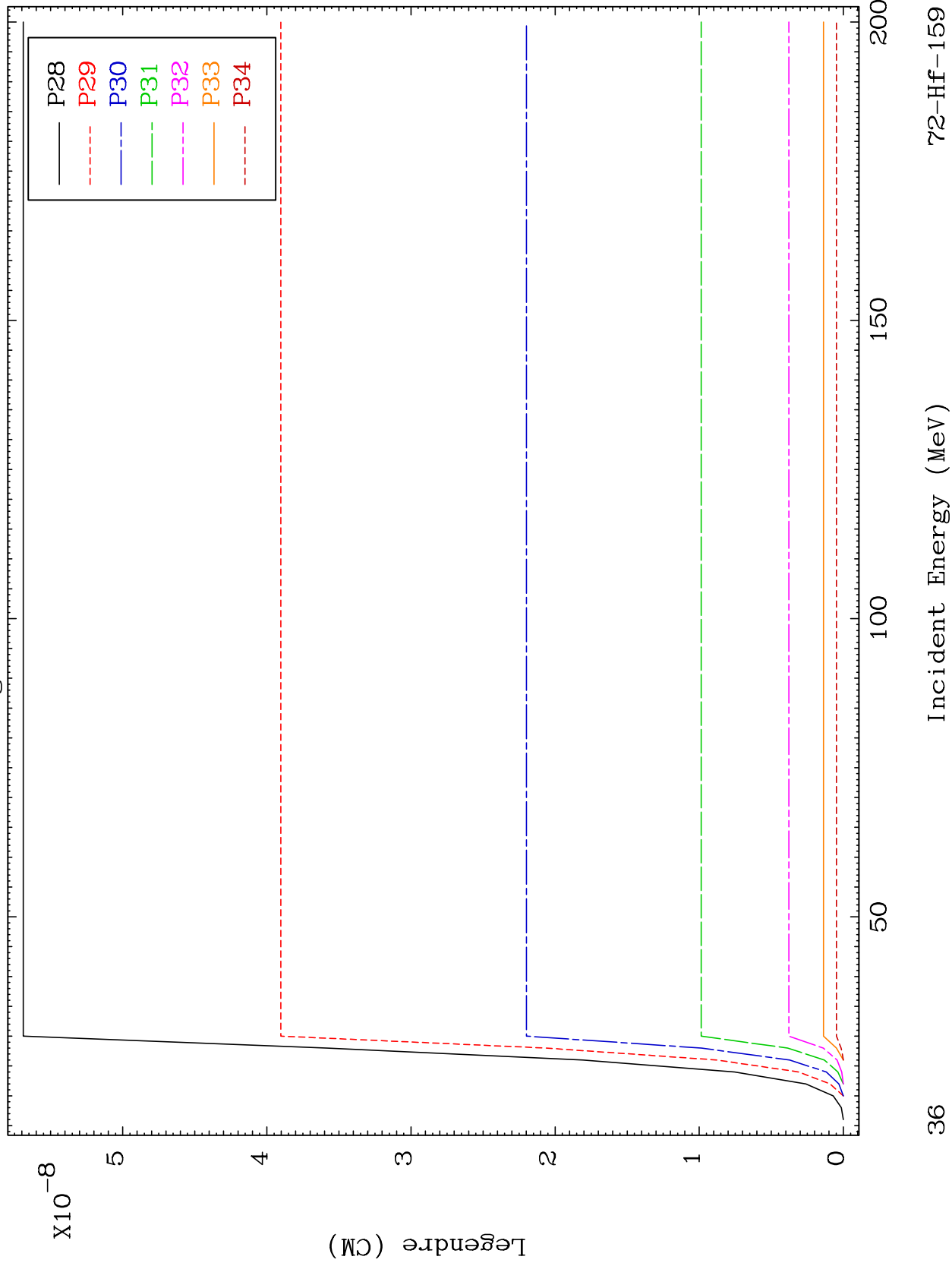
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



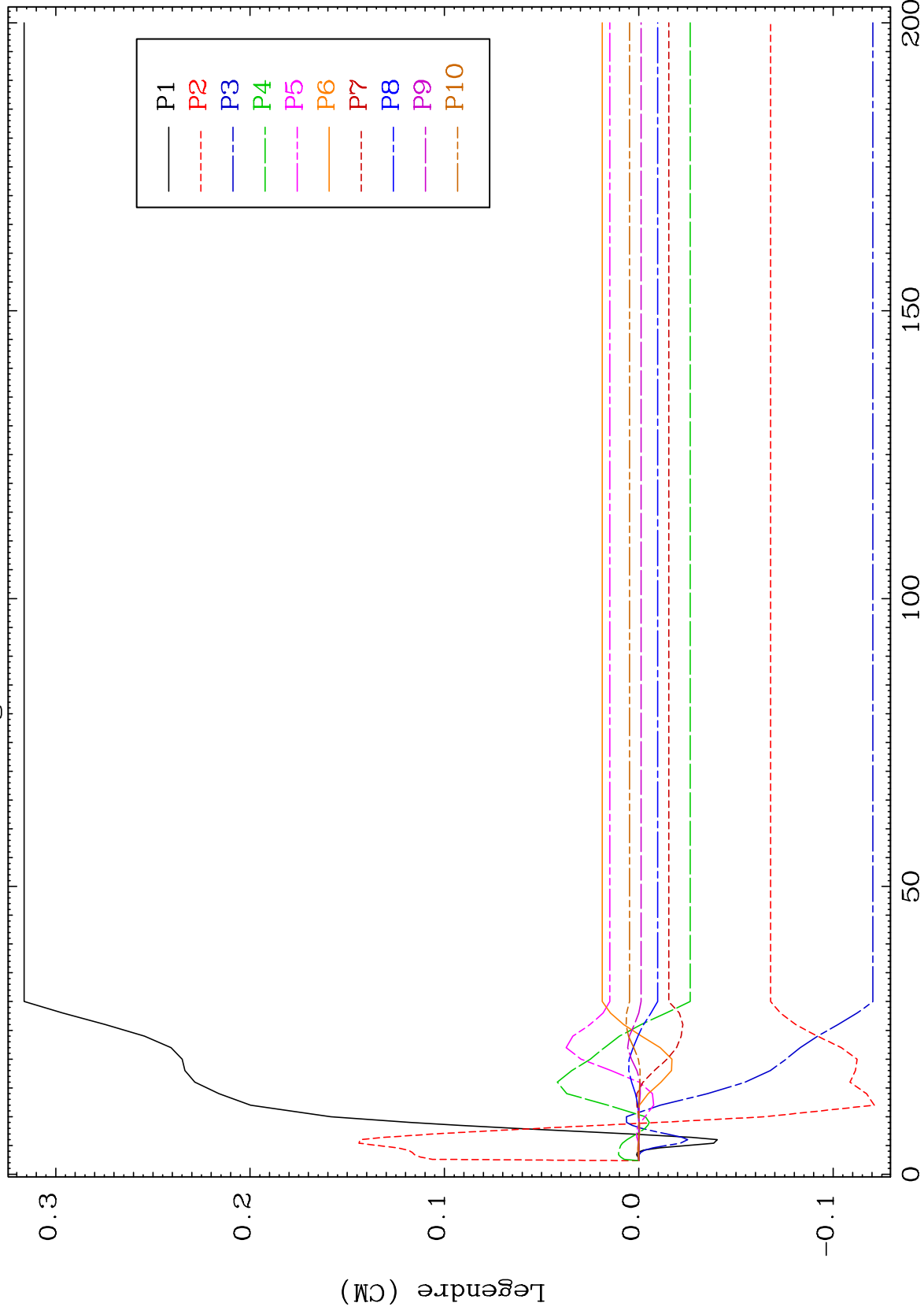
36

72-Hf-159

MAT 7180

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

72-Hf-159



37

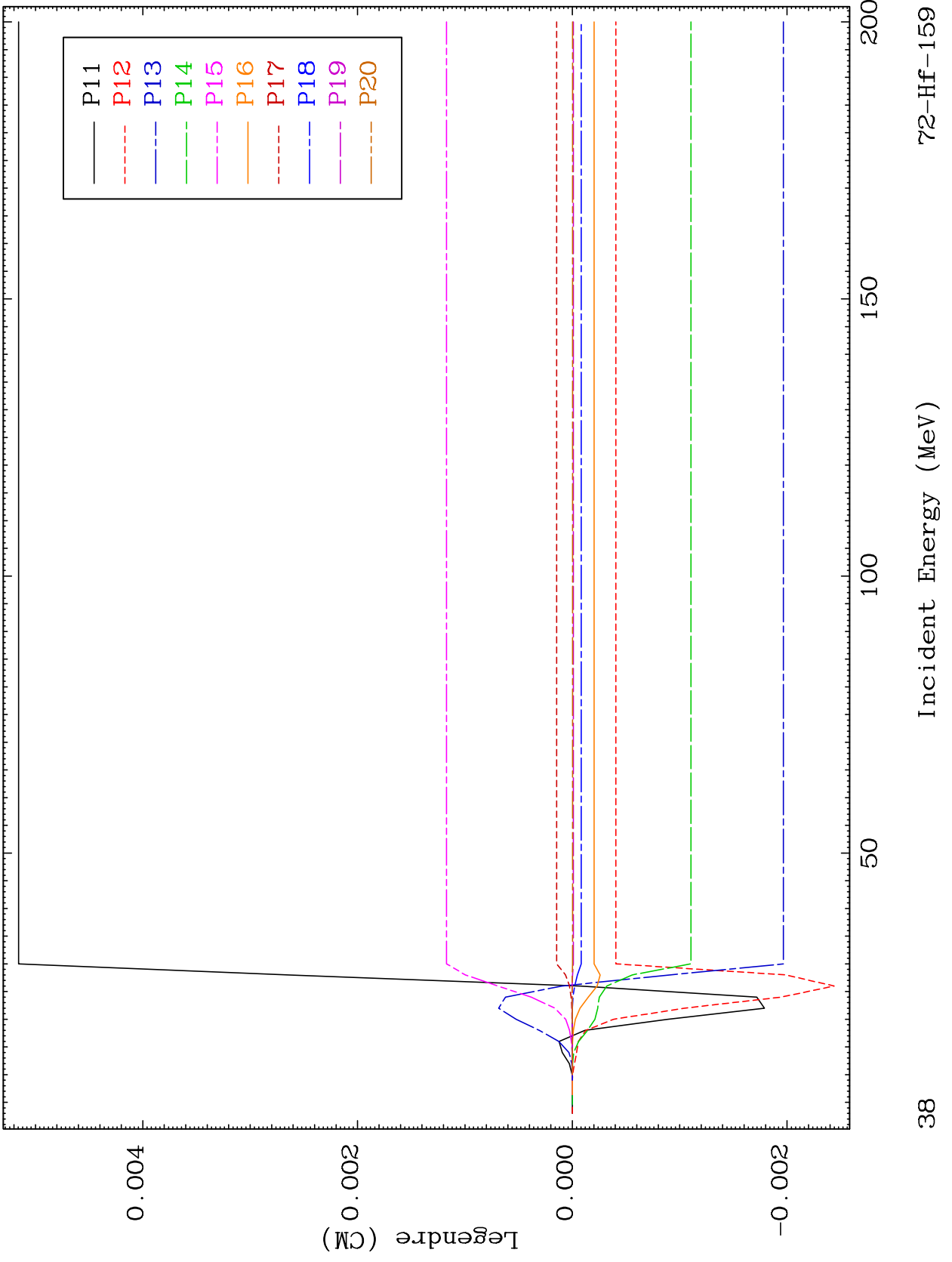
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



38

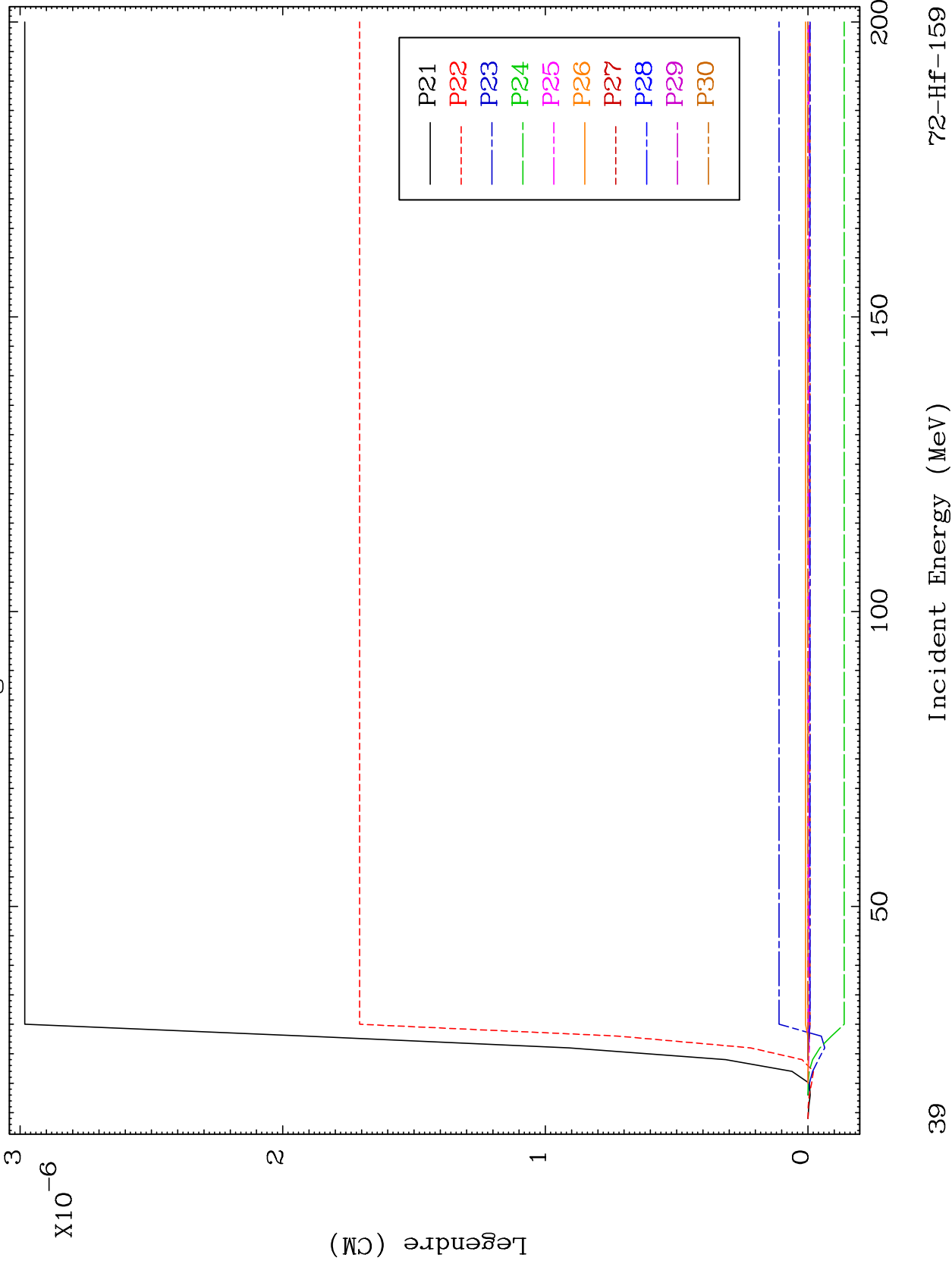
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



39

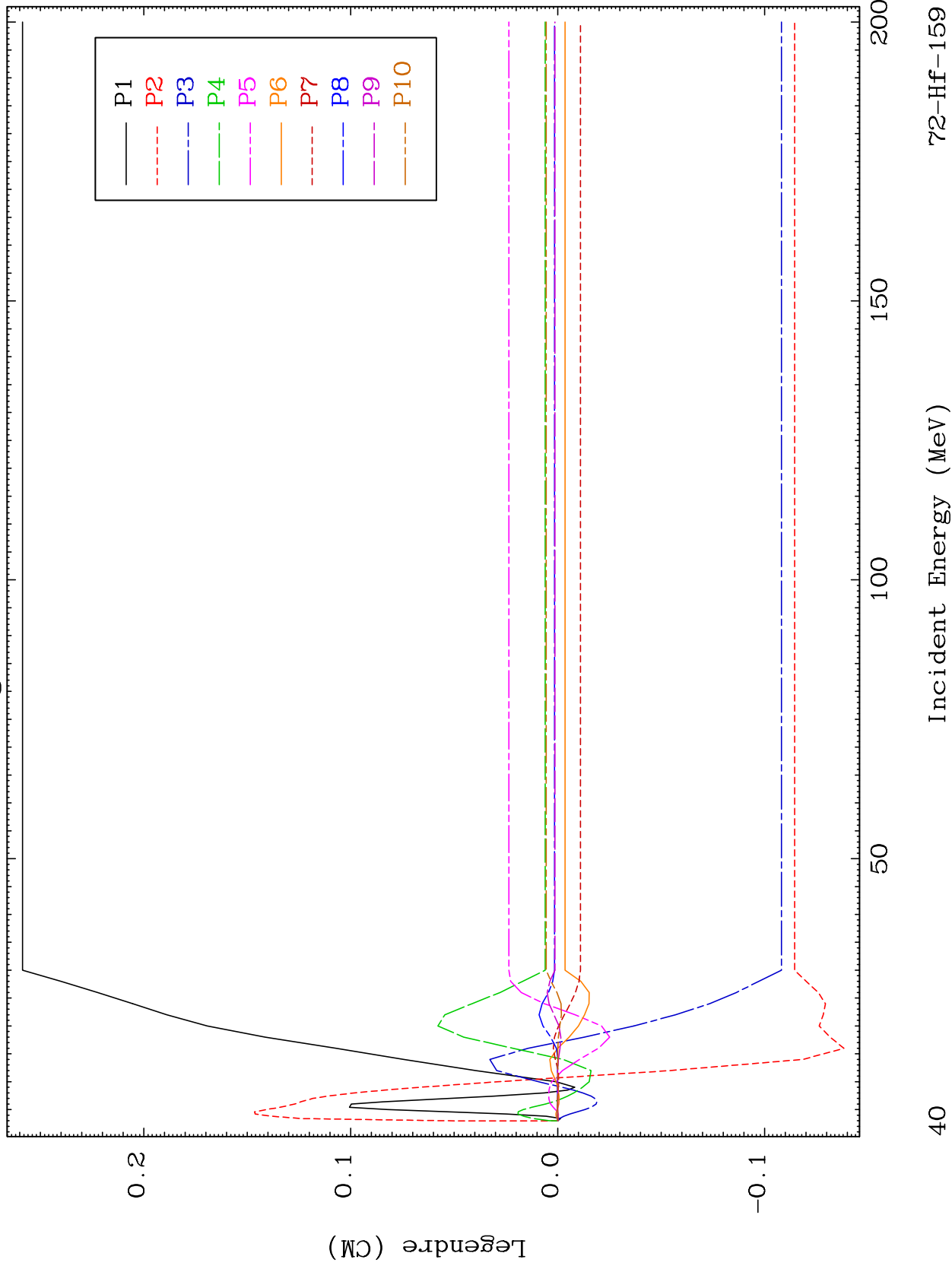
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



72-Hf-159

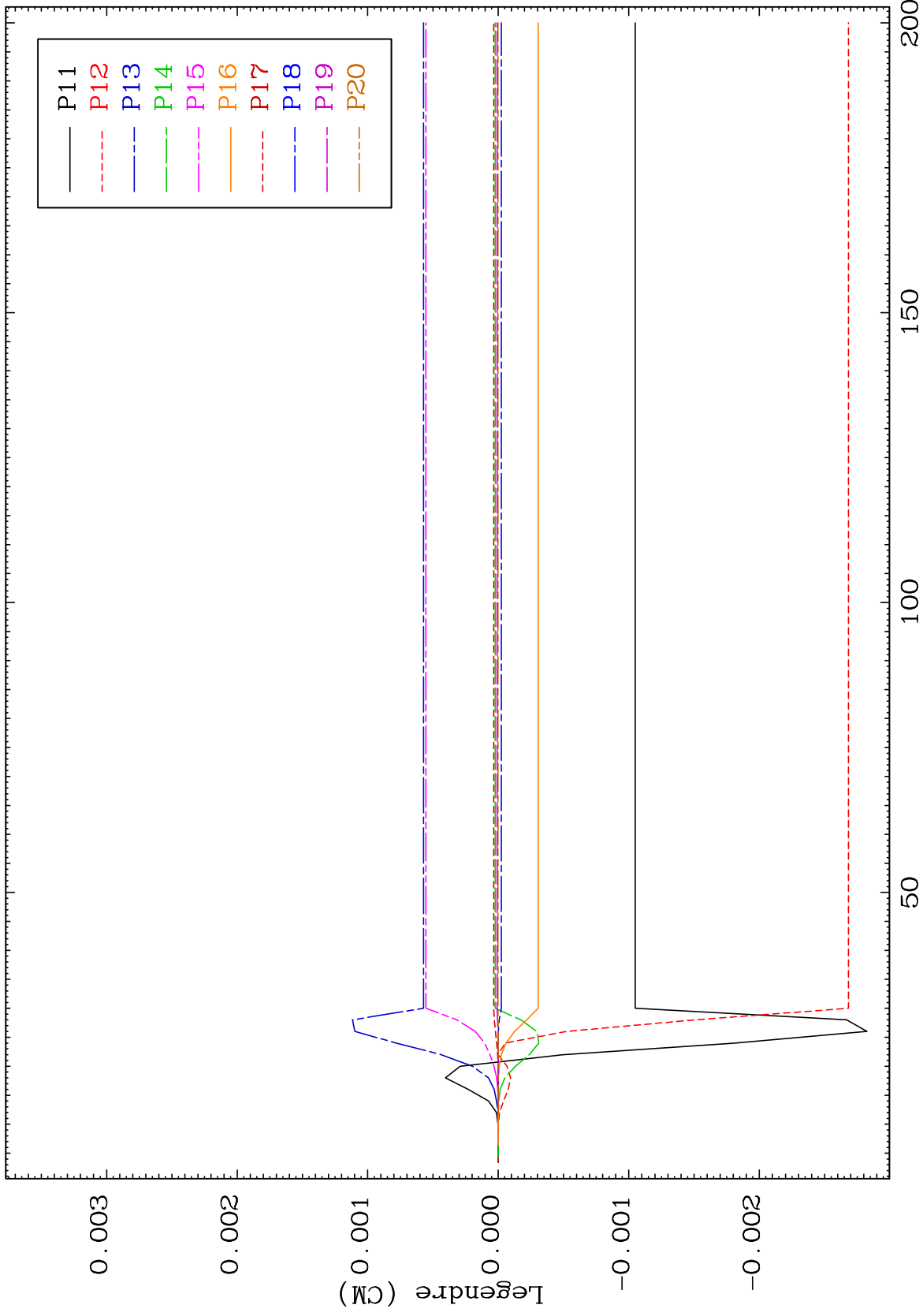
Incident Energy (MeV)

40

MAT 7180

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

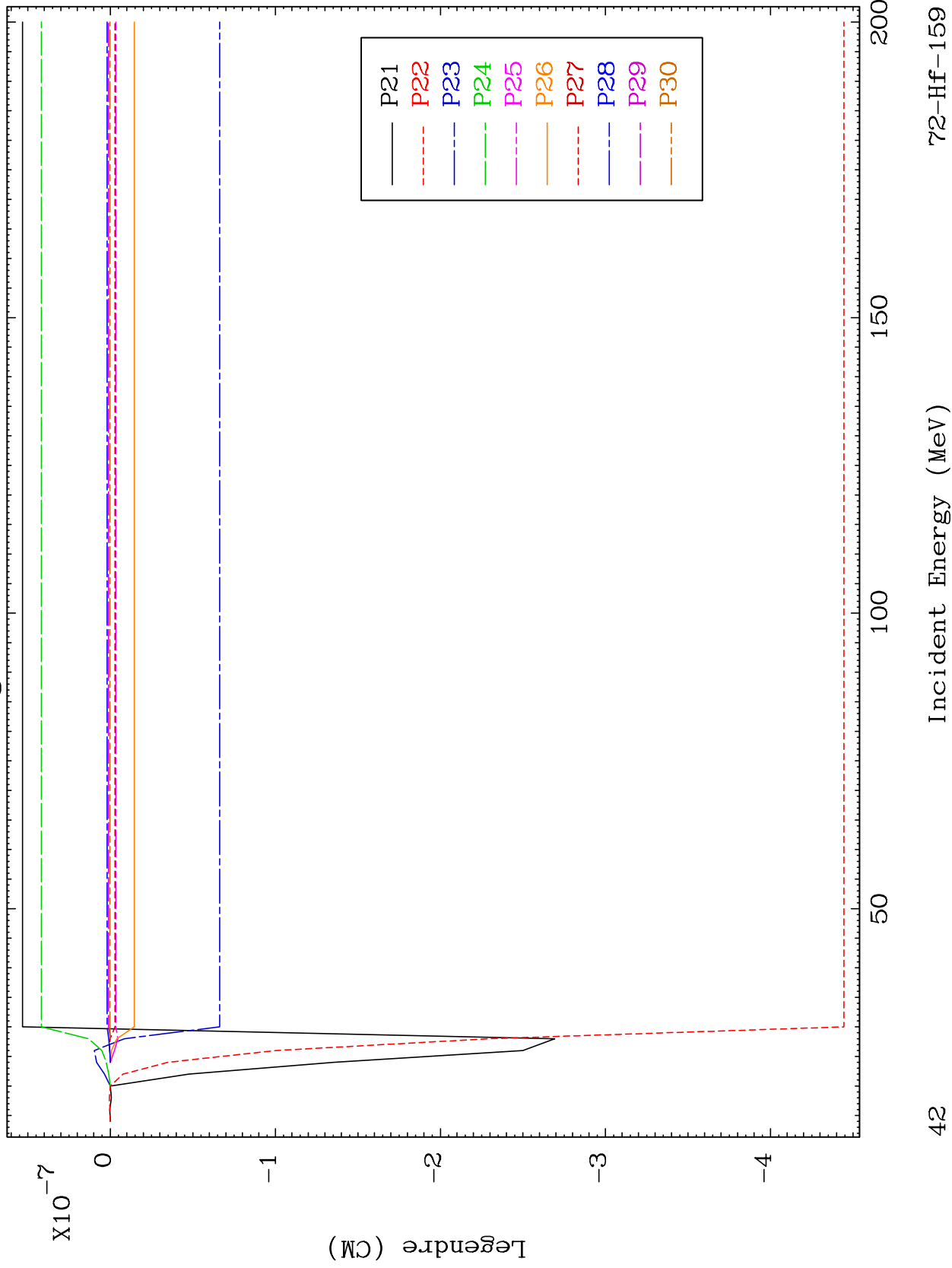
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MAT 7180

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

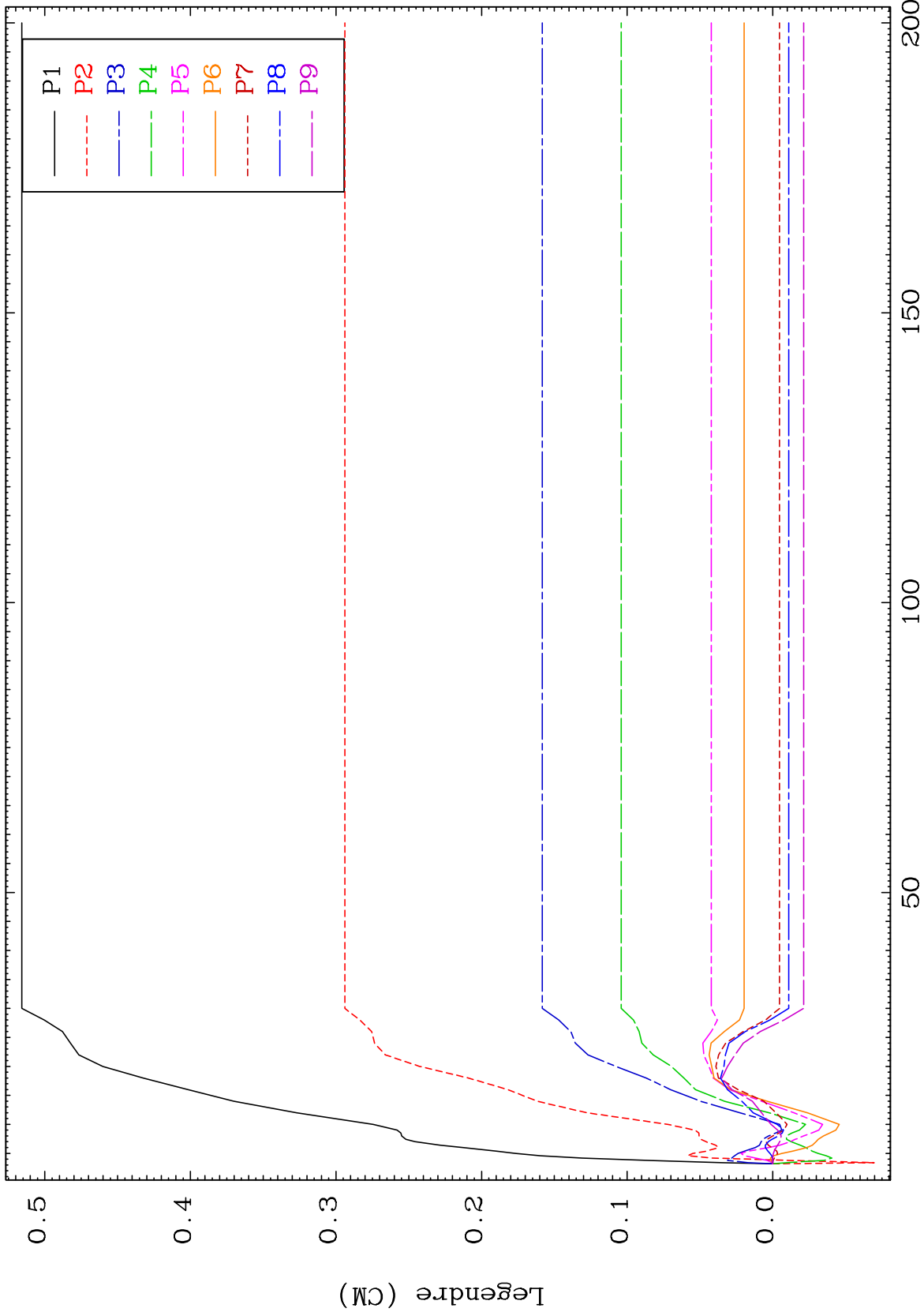
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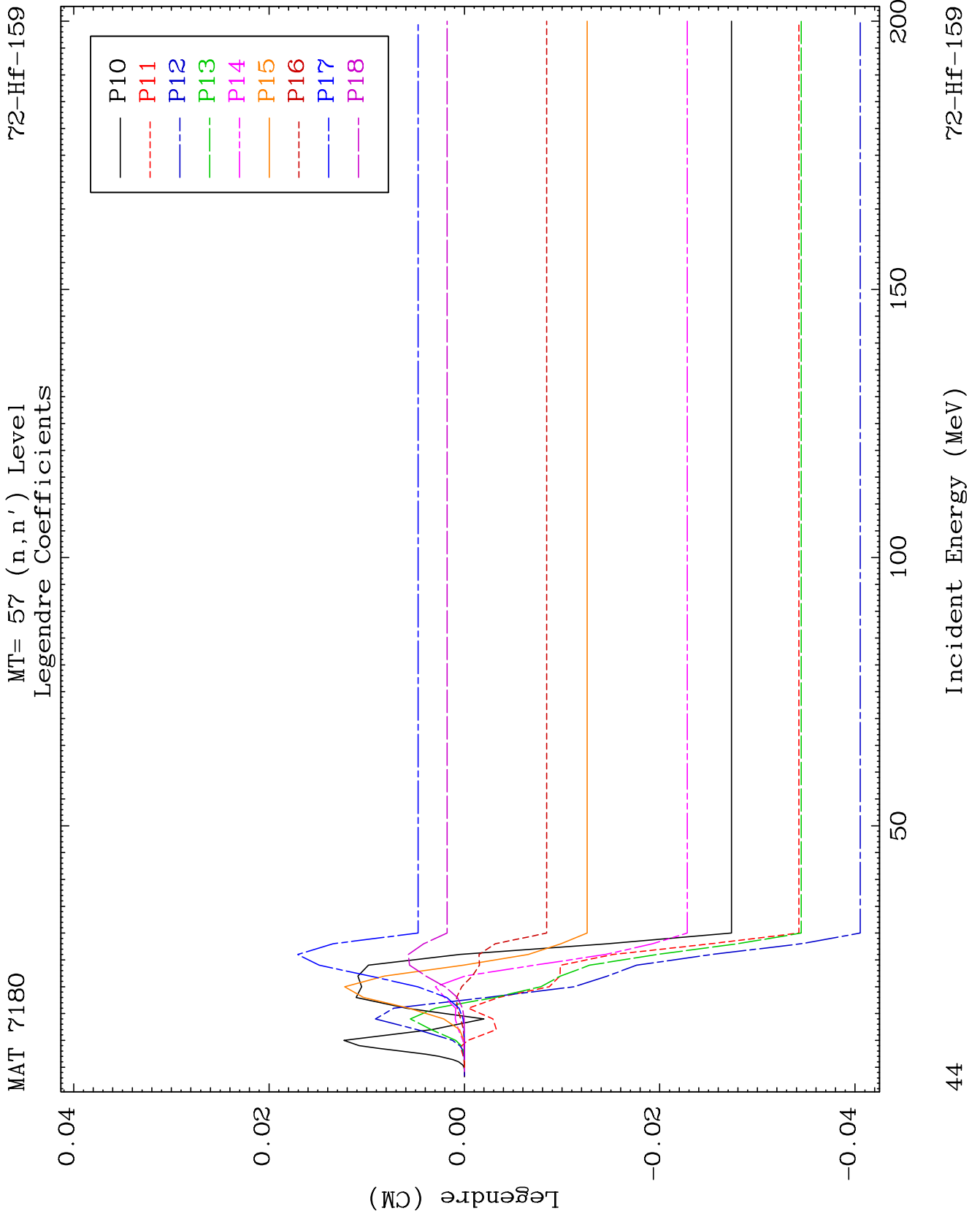


42

Incident Energy (MeV)

72-Hf-159

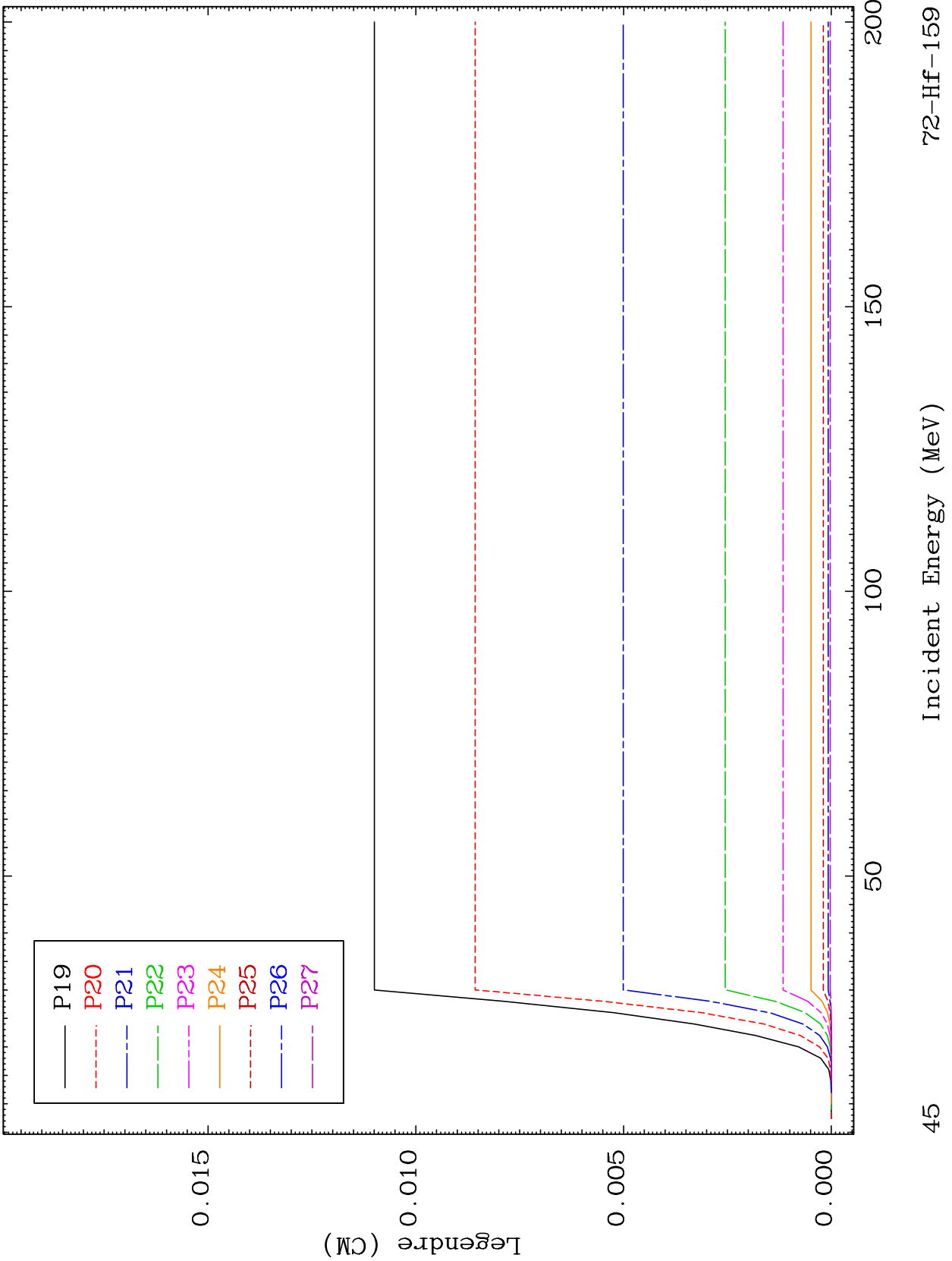




MAT 7180

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

72-Hf-159



45

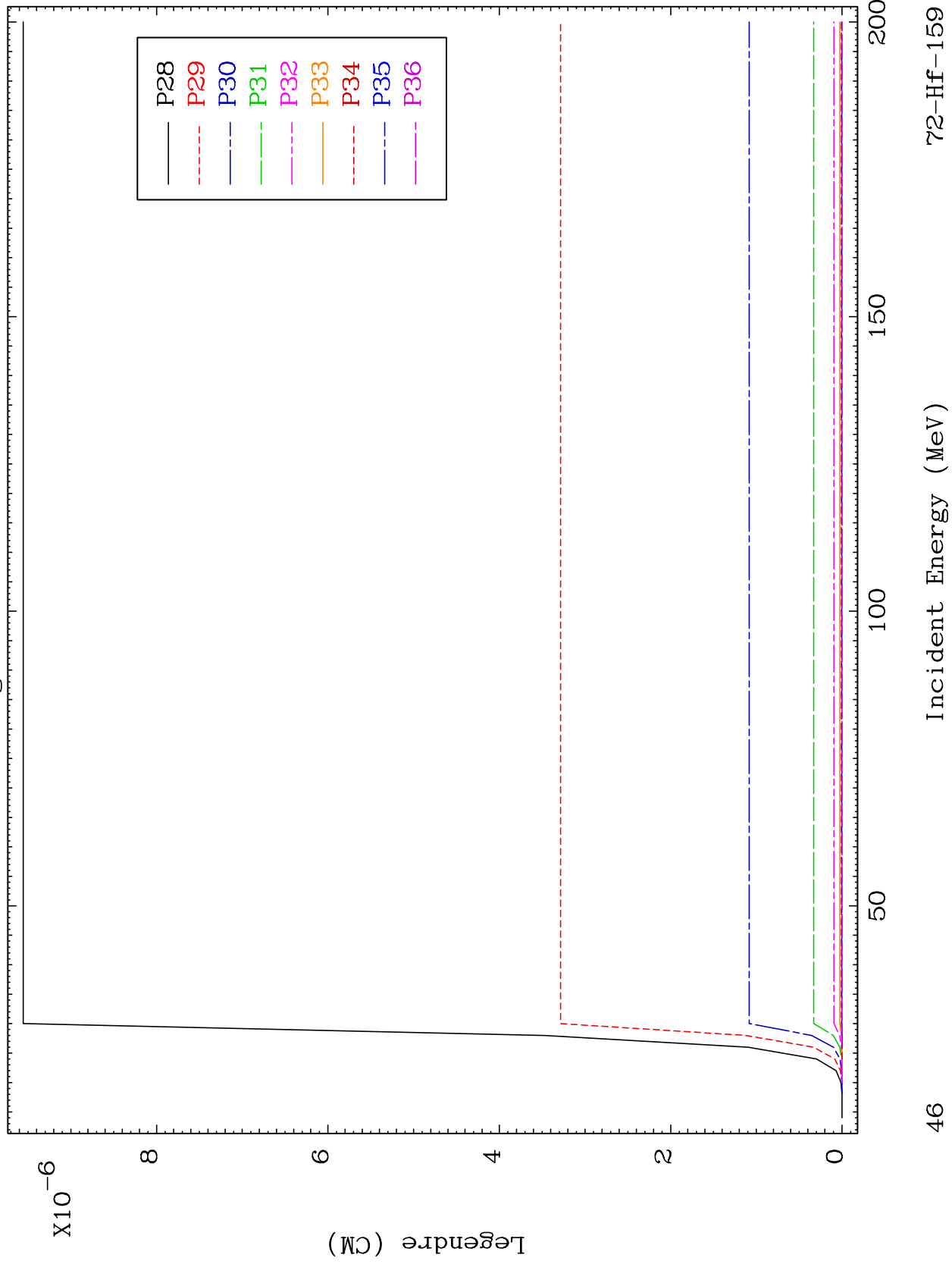
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



46

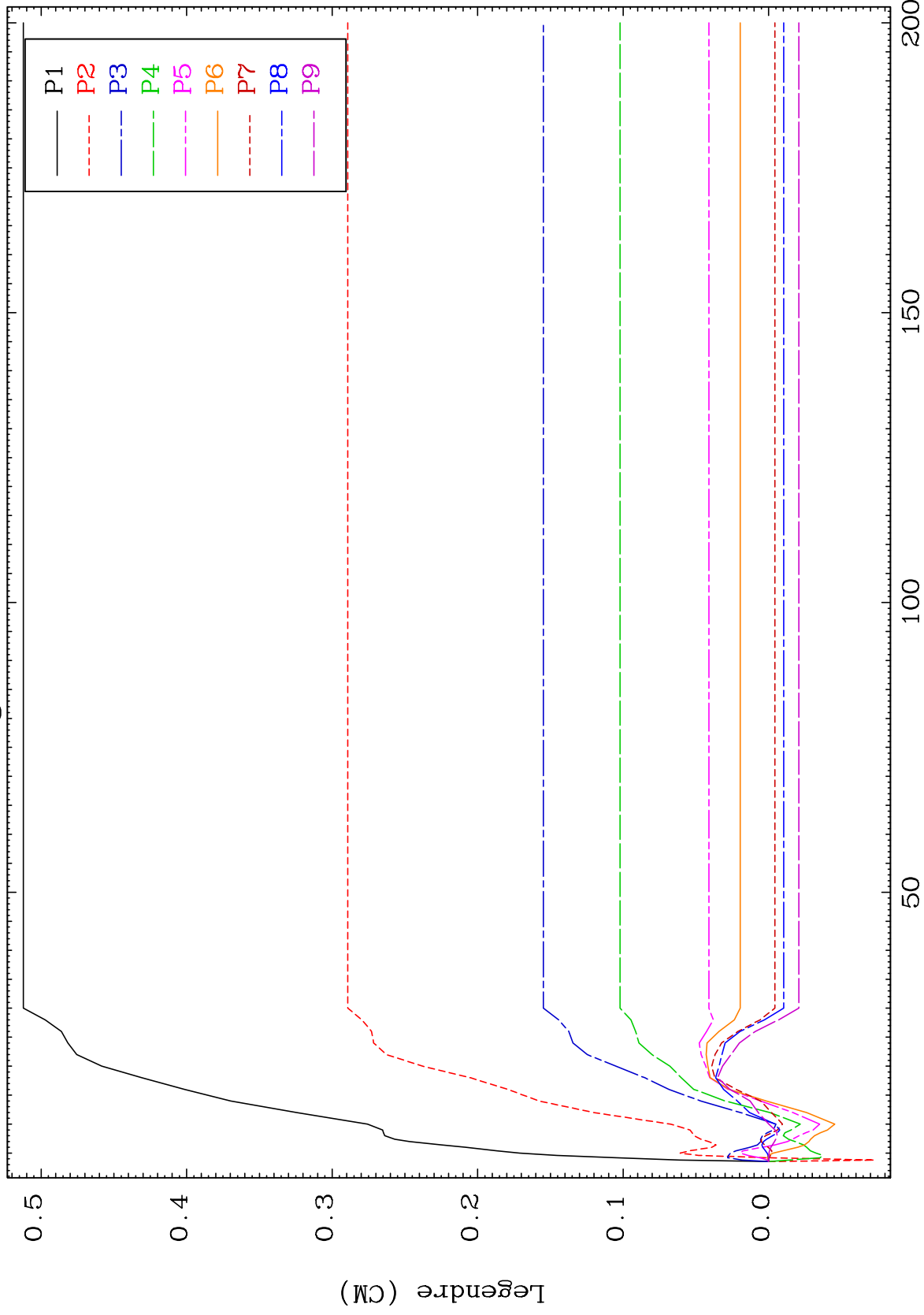
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



47

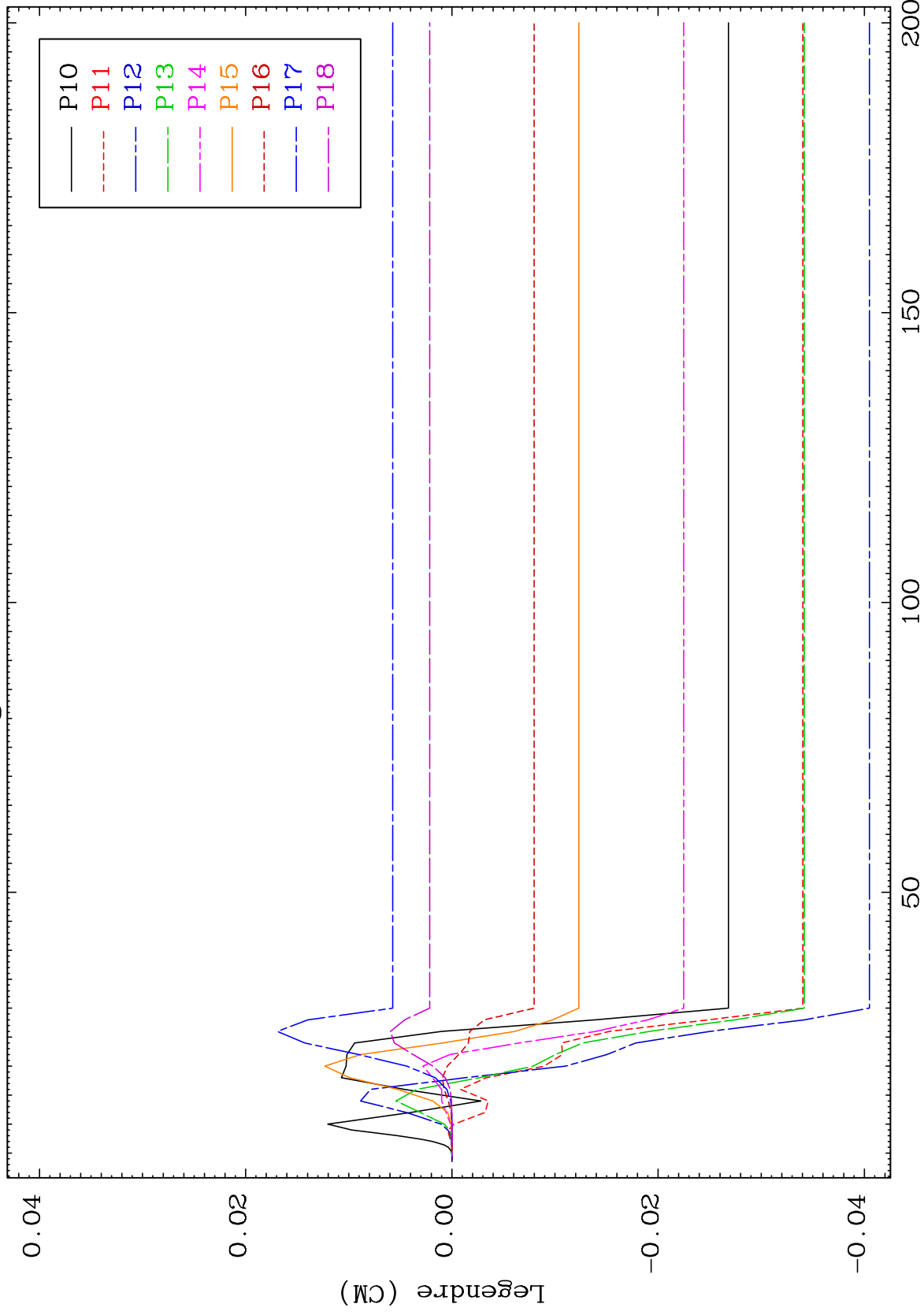
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

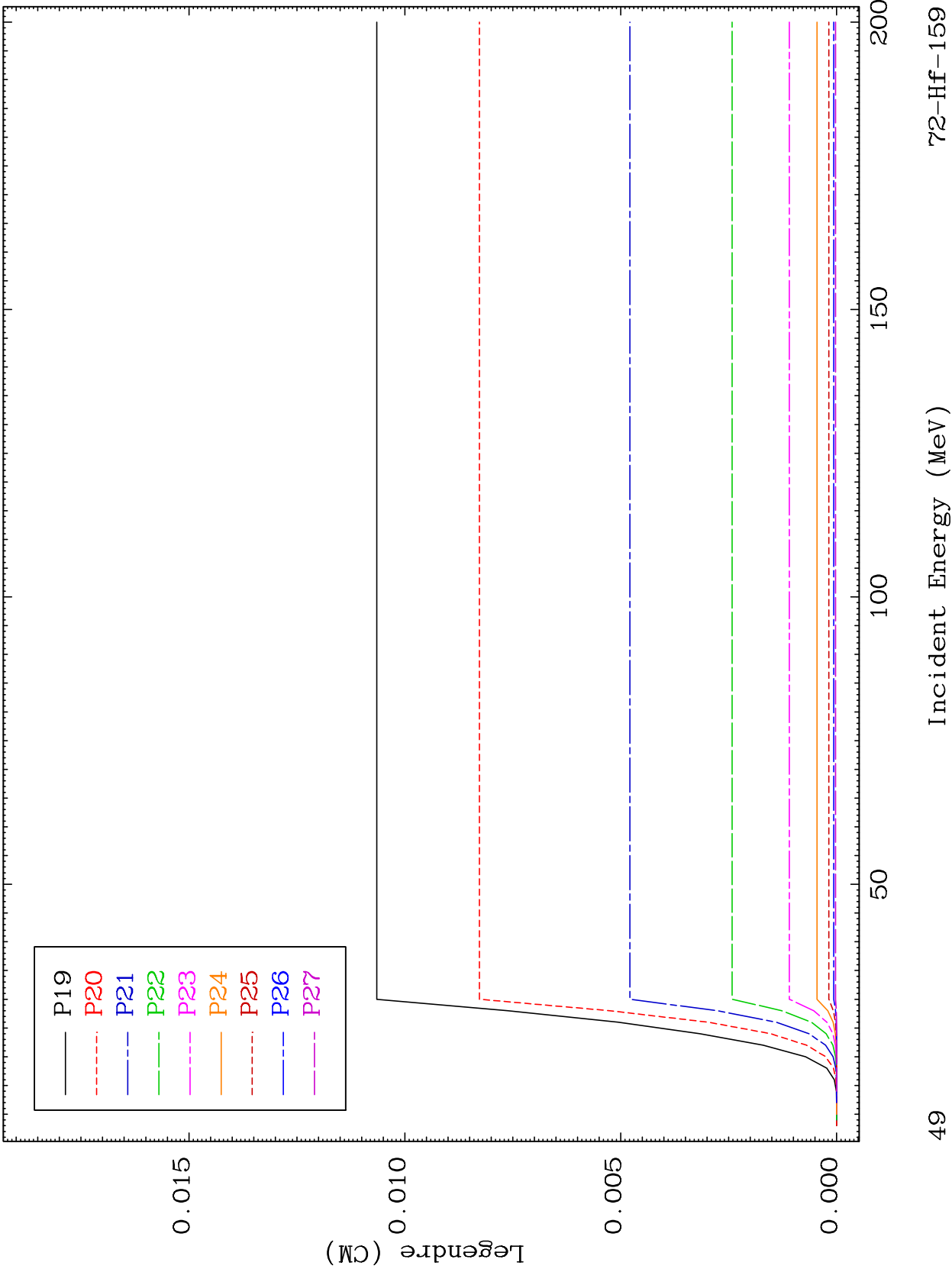
72-Hf-159



48

Incident Energy (MeV)

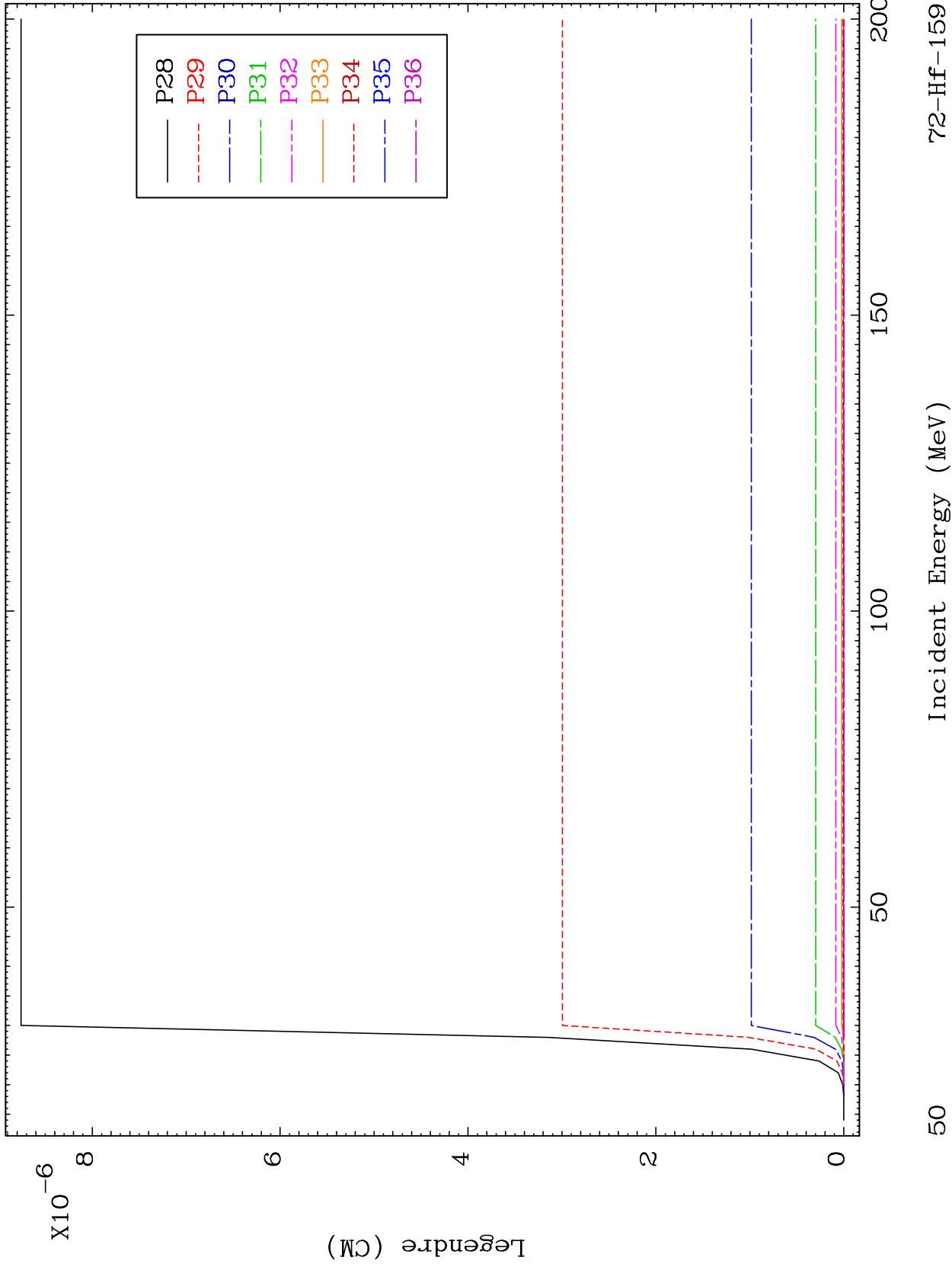
72-Hf-159



MAT 7180

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

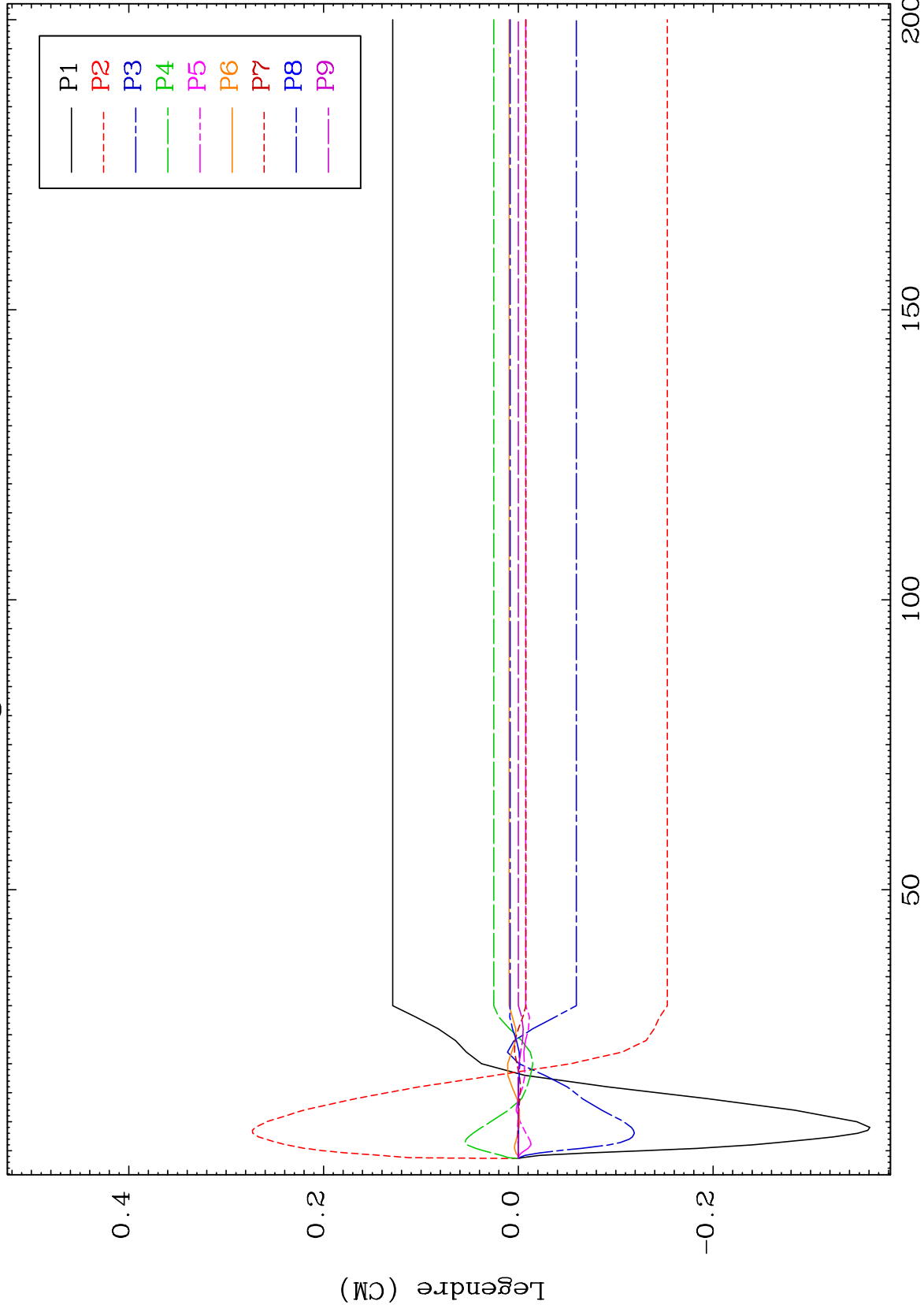
72-Hf-159



MAT 7180

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

72-Hf-159



51

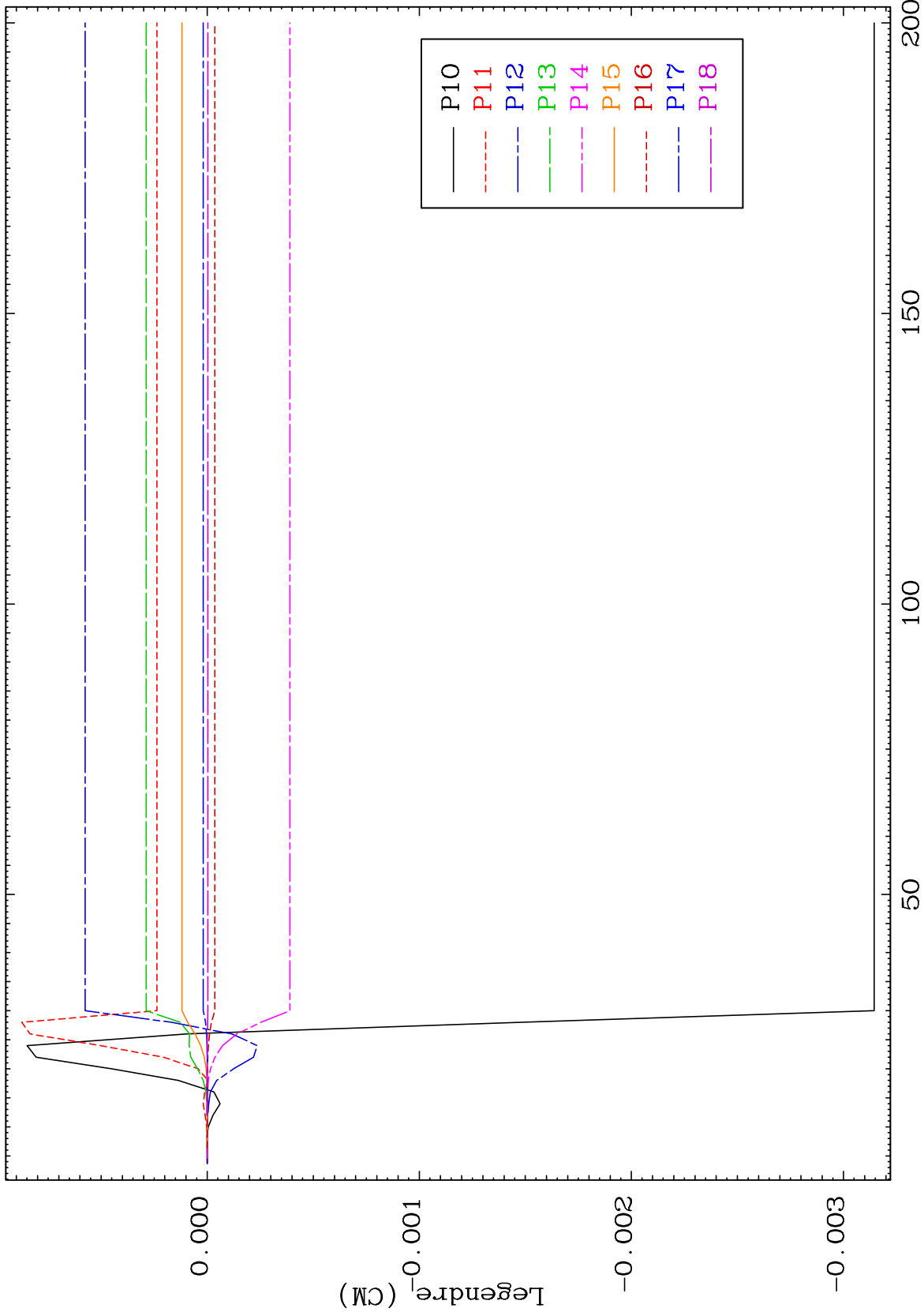
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



52

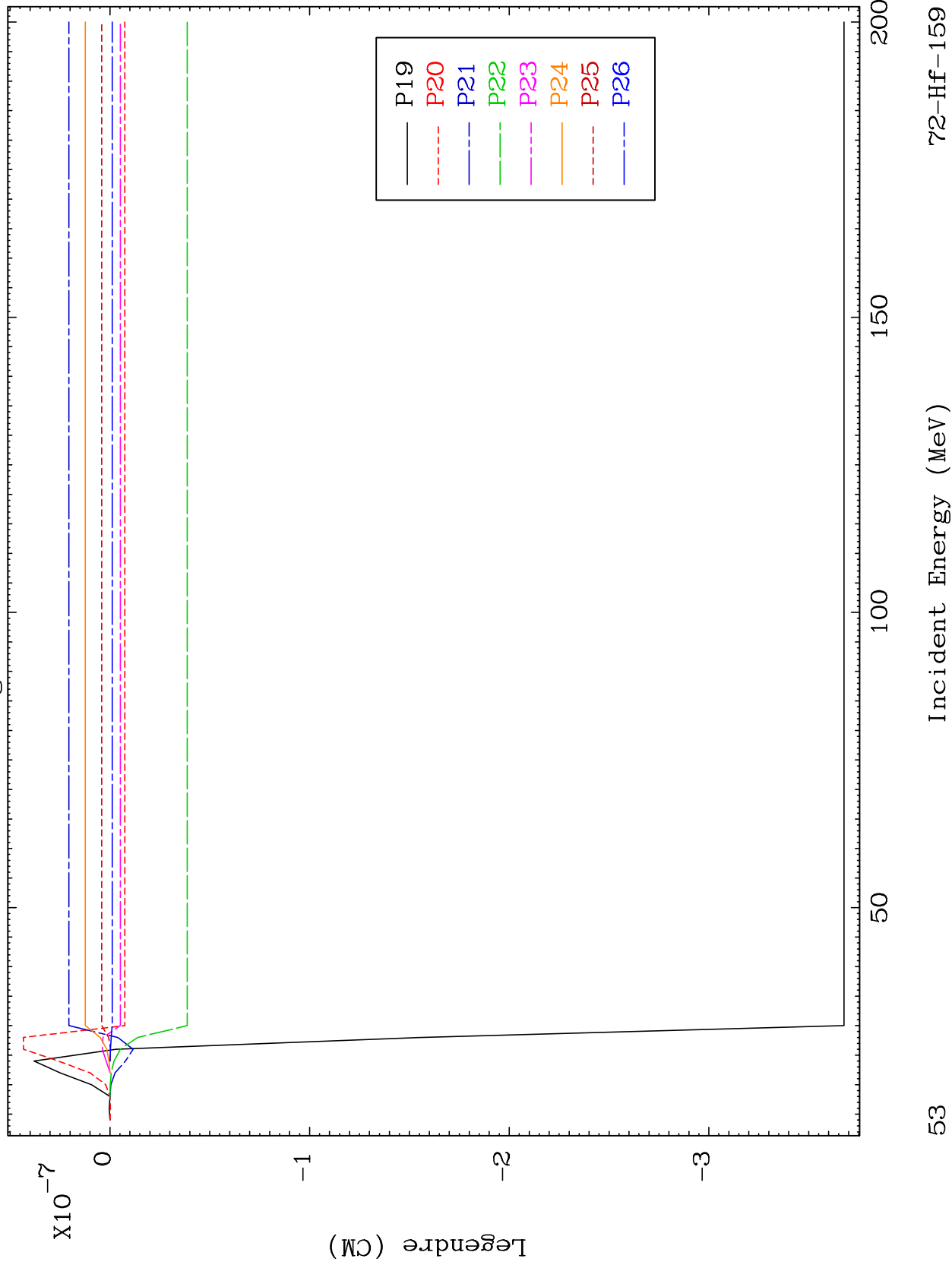
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

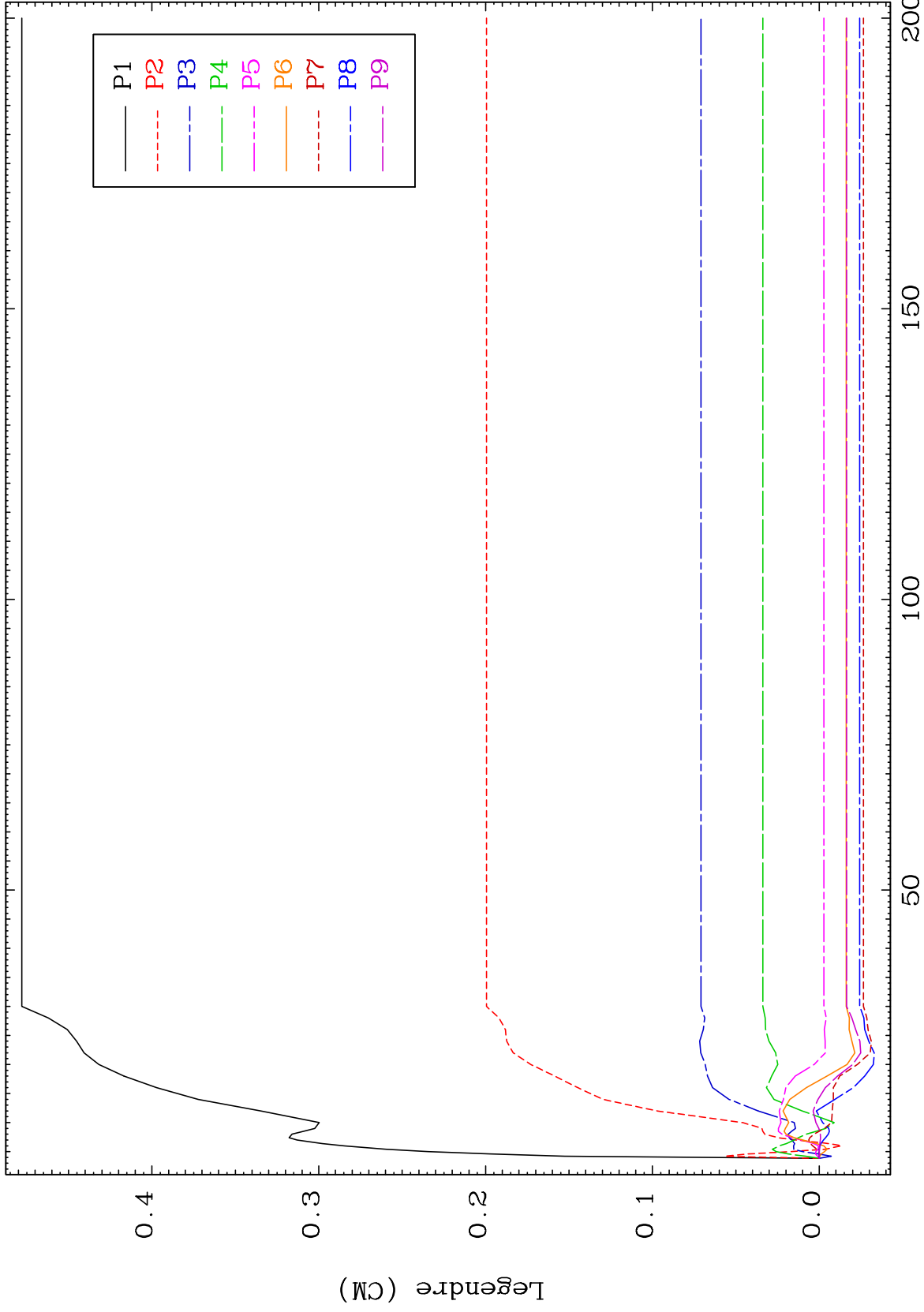
72-Hf-159



53

Incident Energy (MeV)

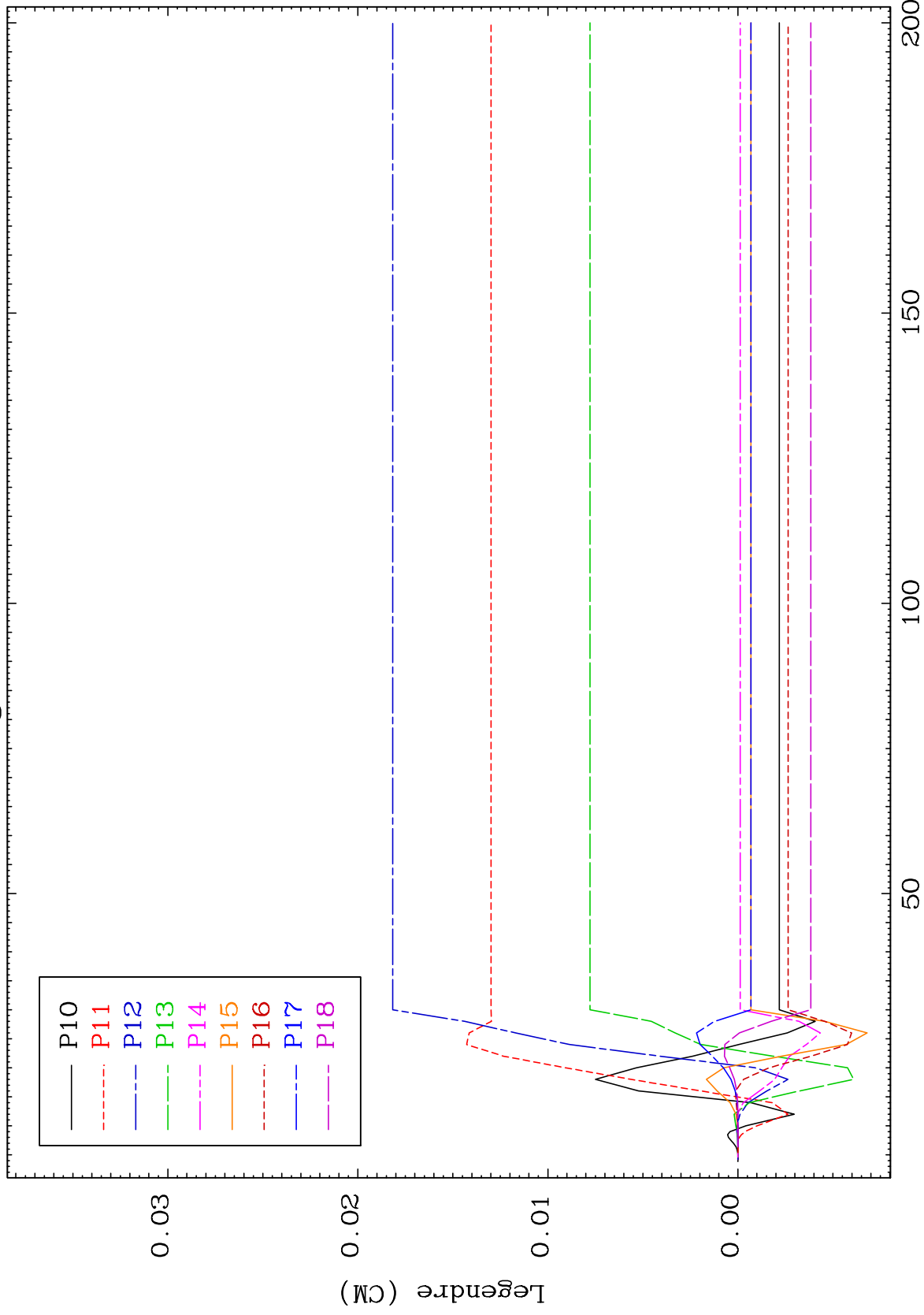
72-Hf-159



MAT 7180

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

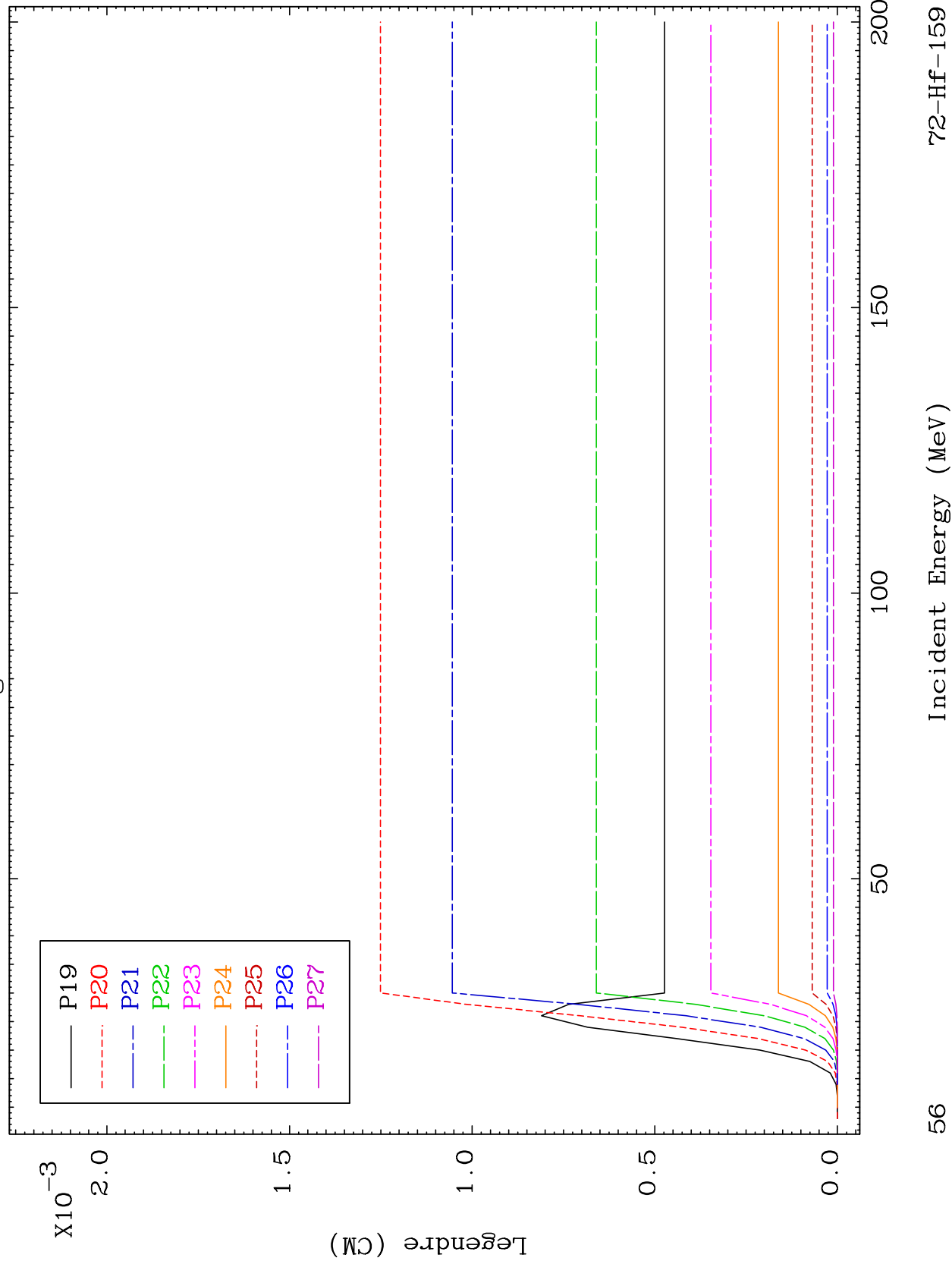
72-Hf-159



55

Incident Energy (MeV)

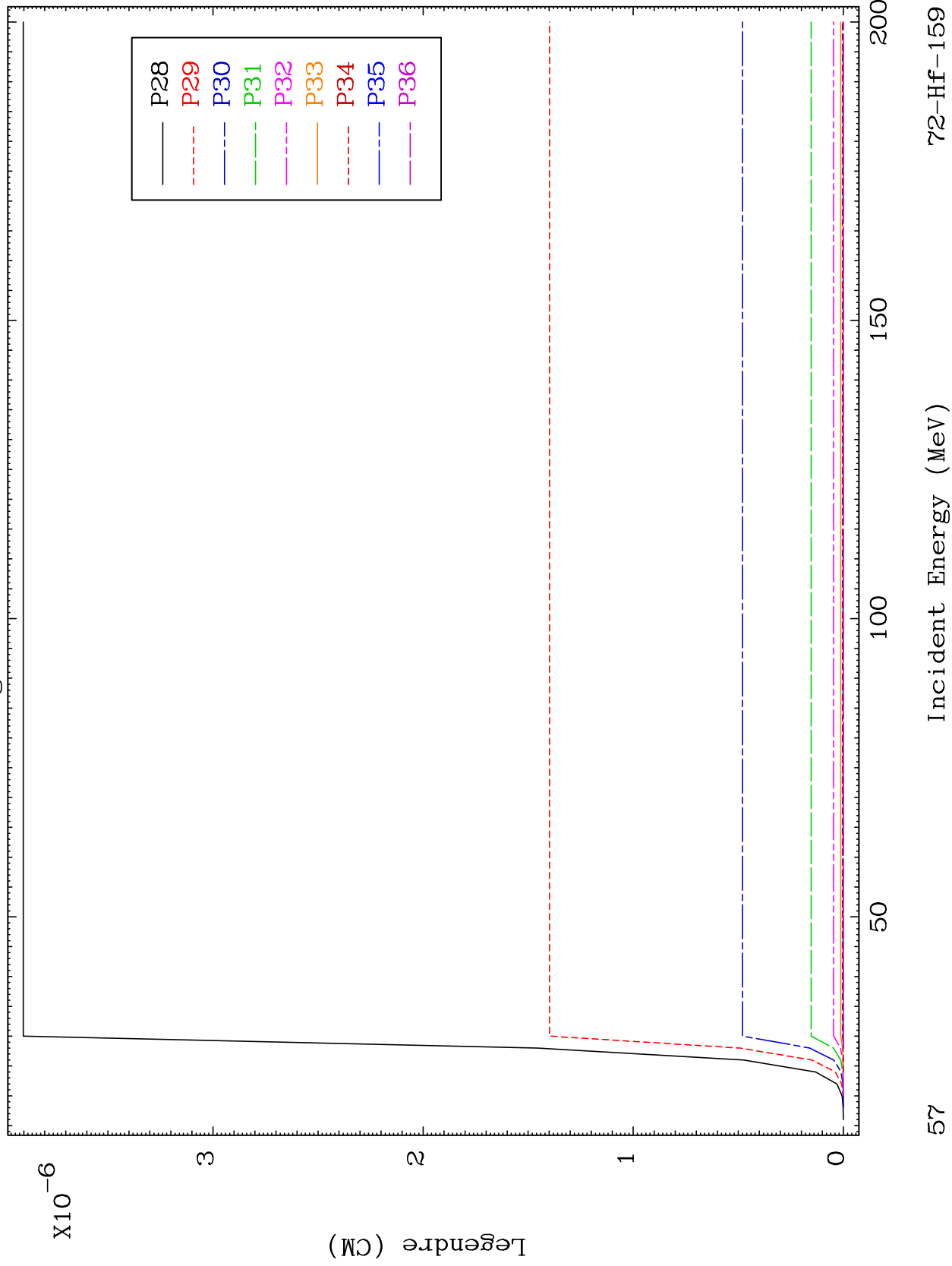
72-Hf-159



MAT 7180

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

72-Hf-159



57

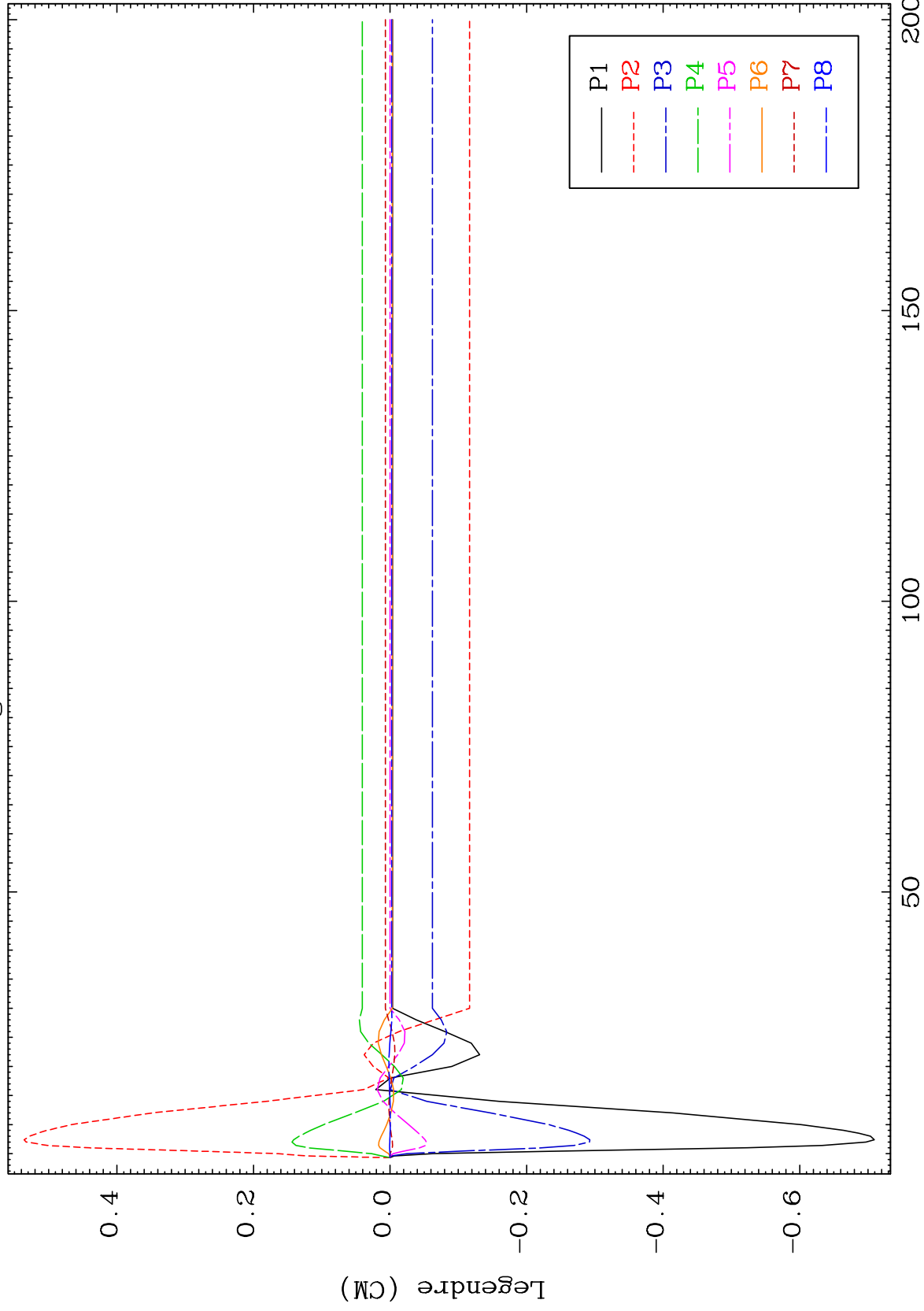
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



58

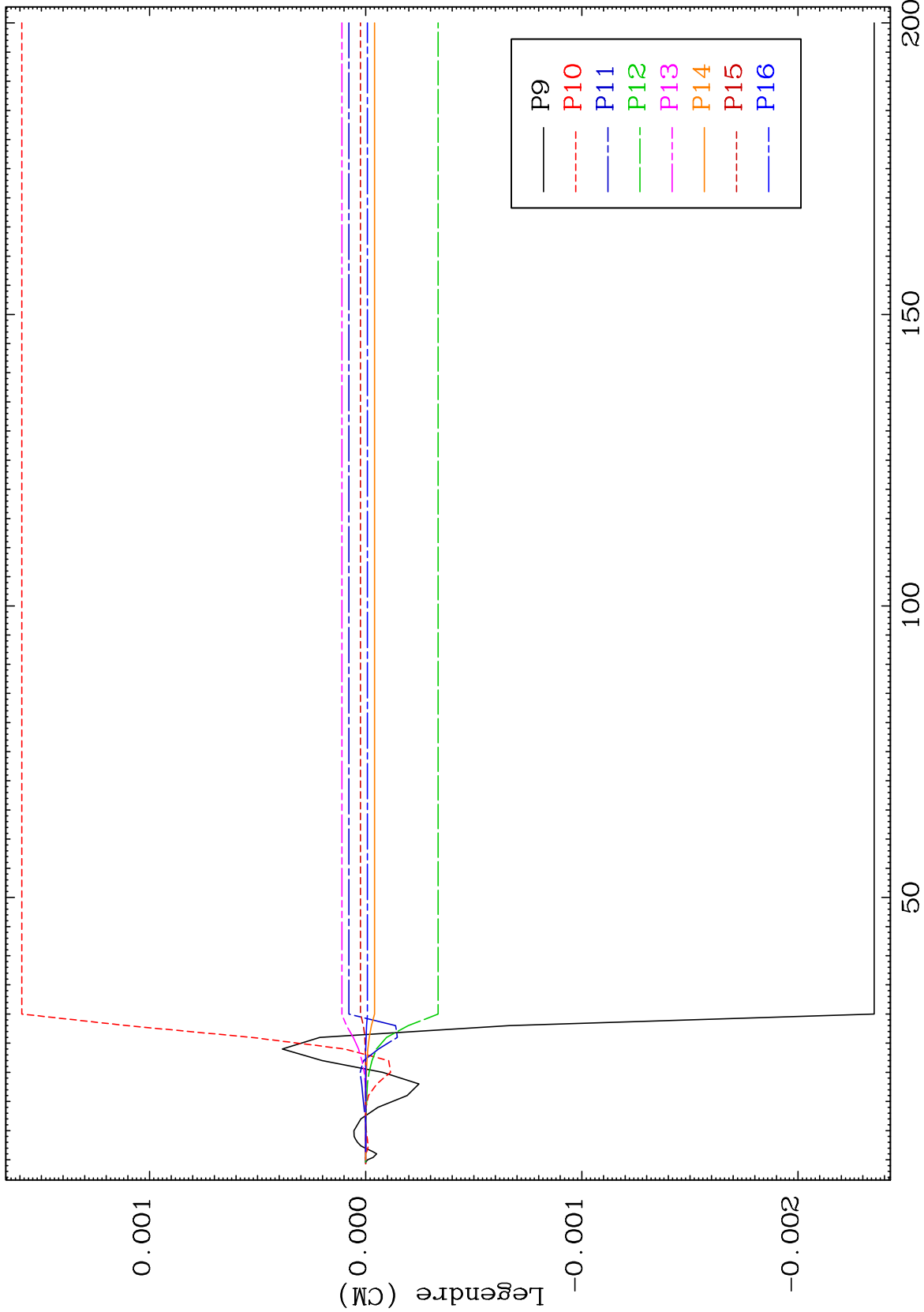
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

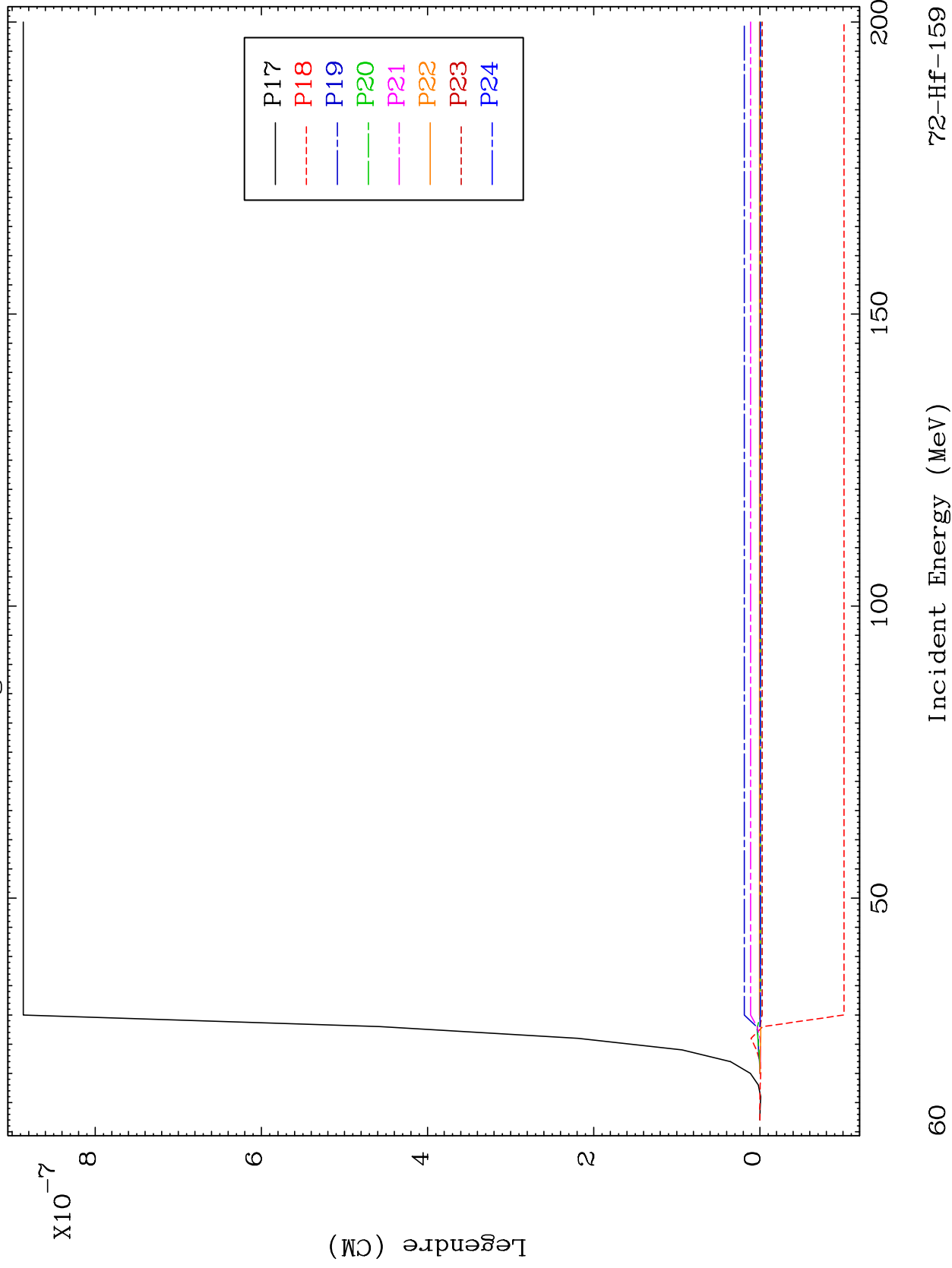
72-Hf-159



MAT 7180

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

72-Hf-159



72-Hf-159

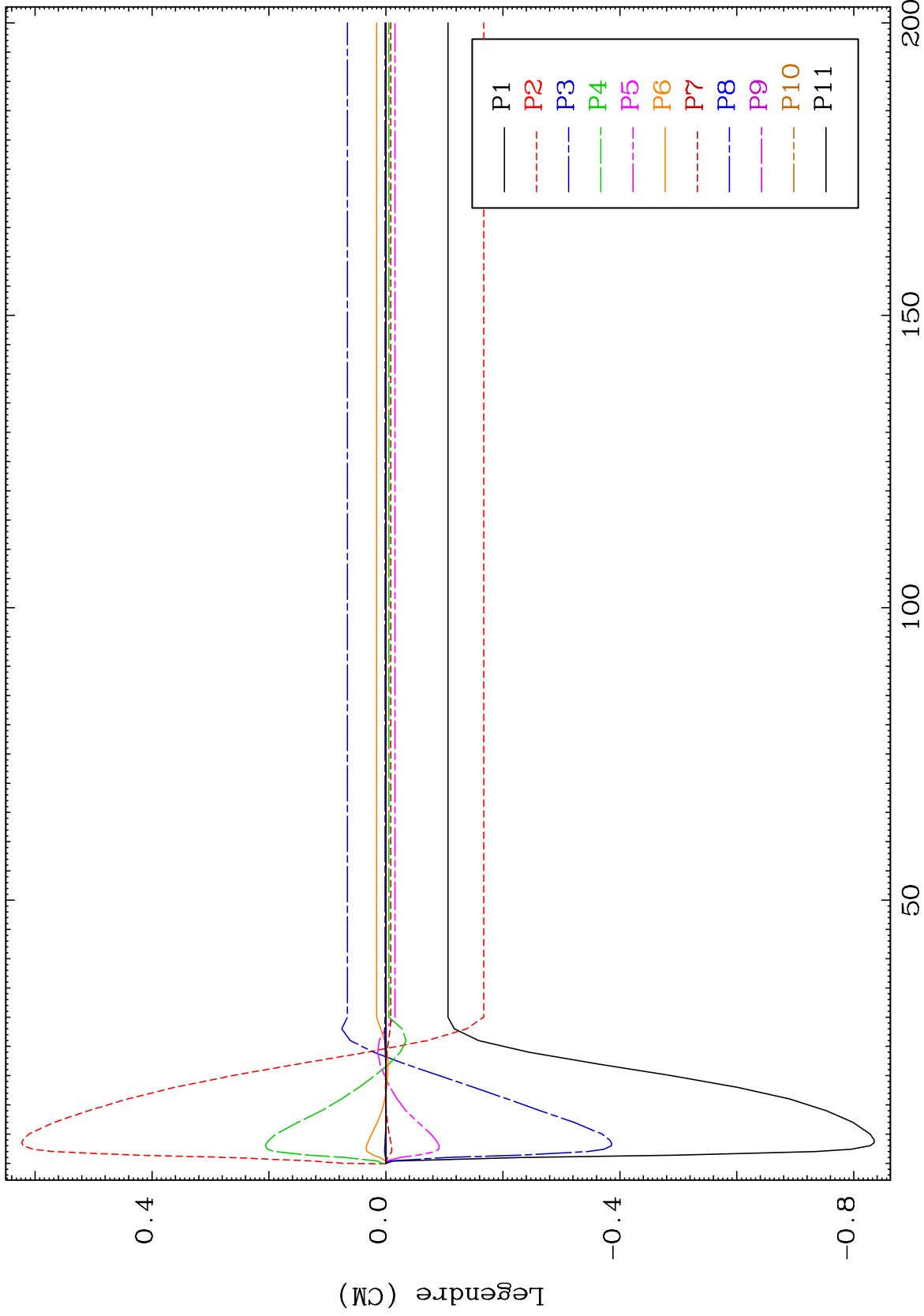
Incident Energy (MeV)

60

MAT 7180

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

72-Hf-159



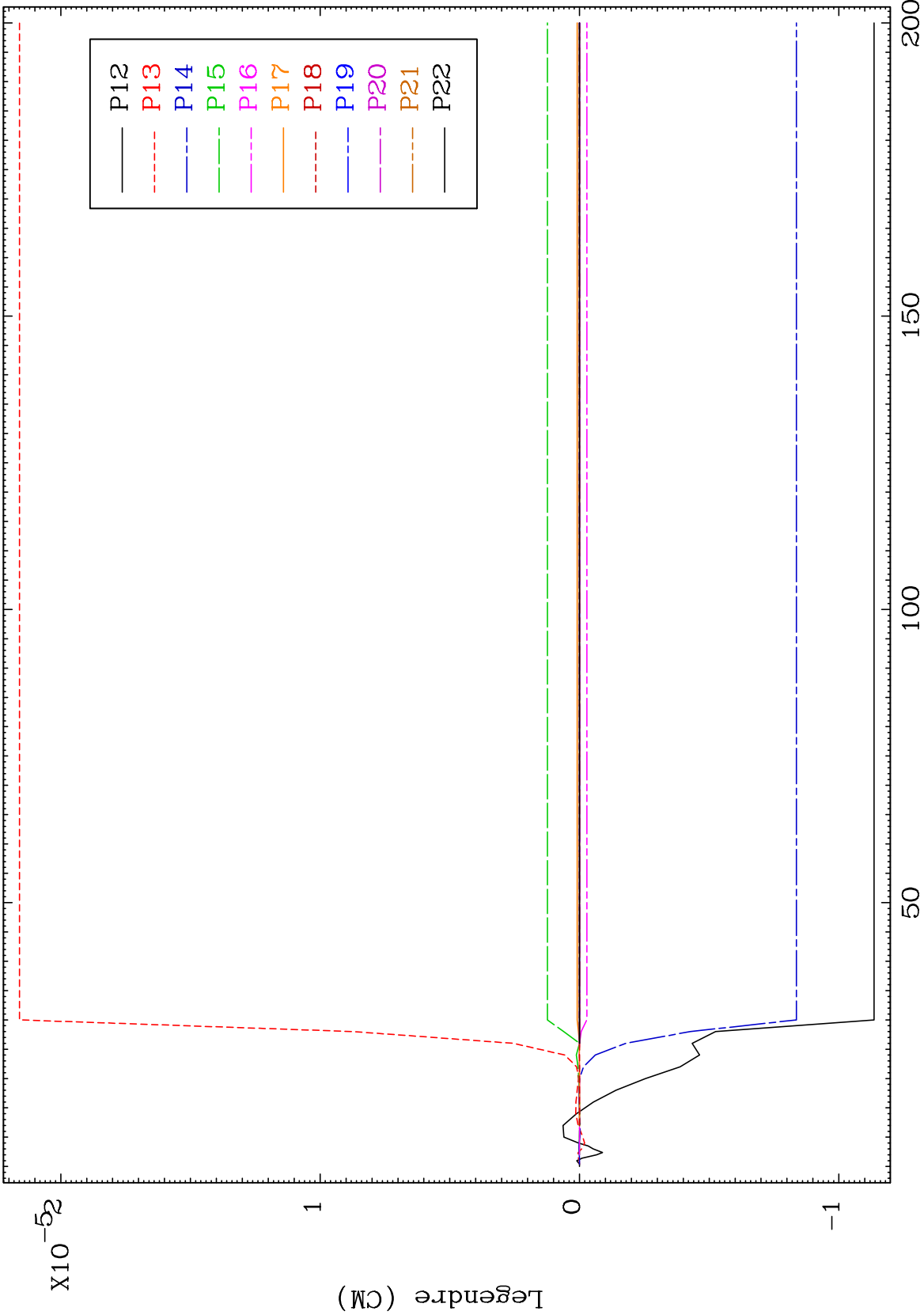
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72-Hf-159

MAT 7180

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

72-Hf-159



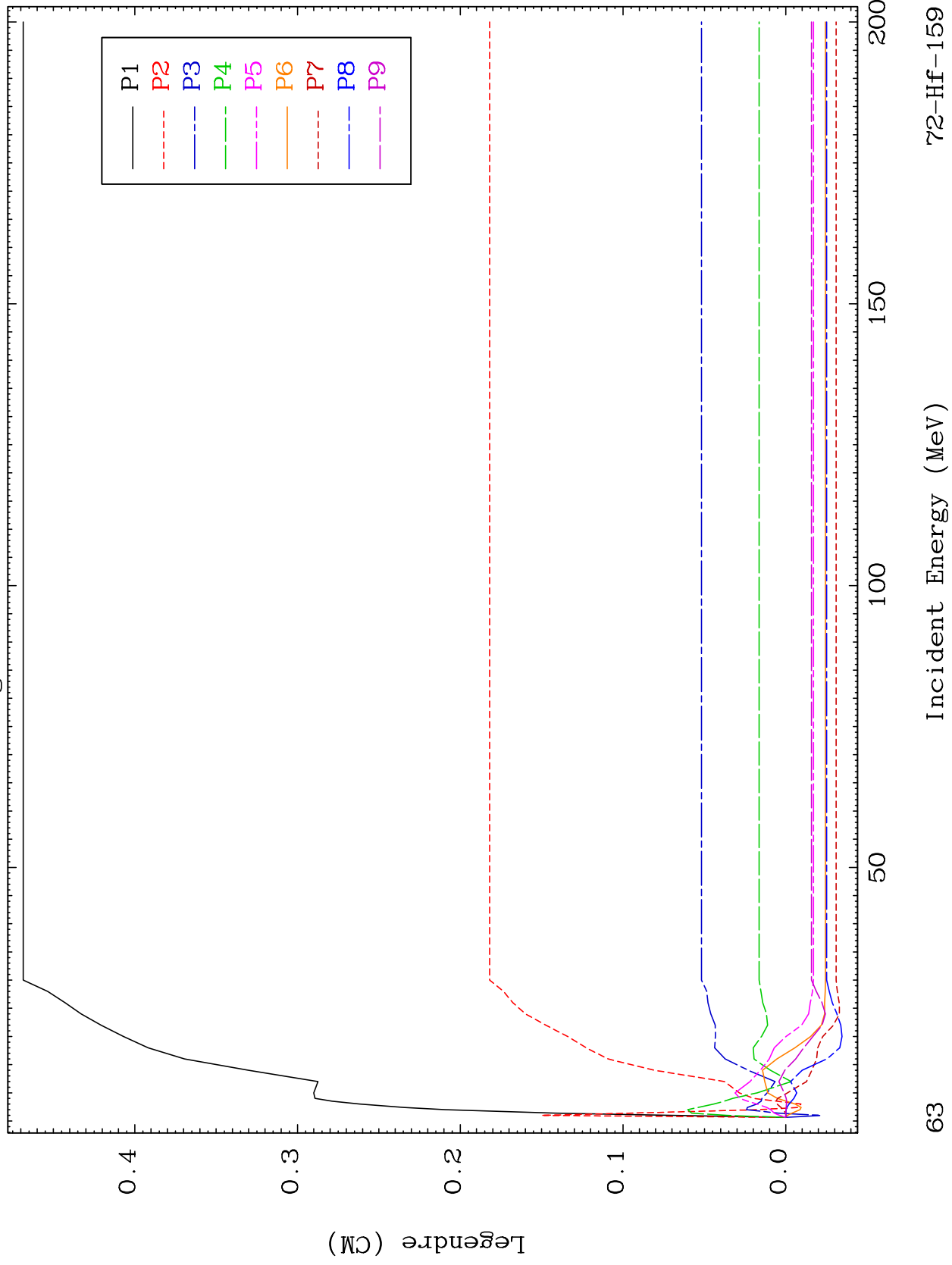
62

72-Hf-159

MAT 7180

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

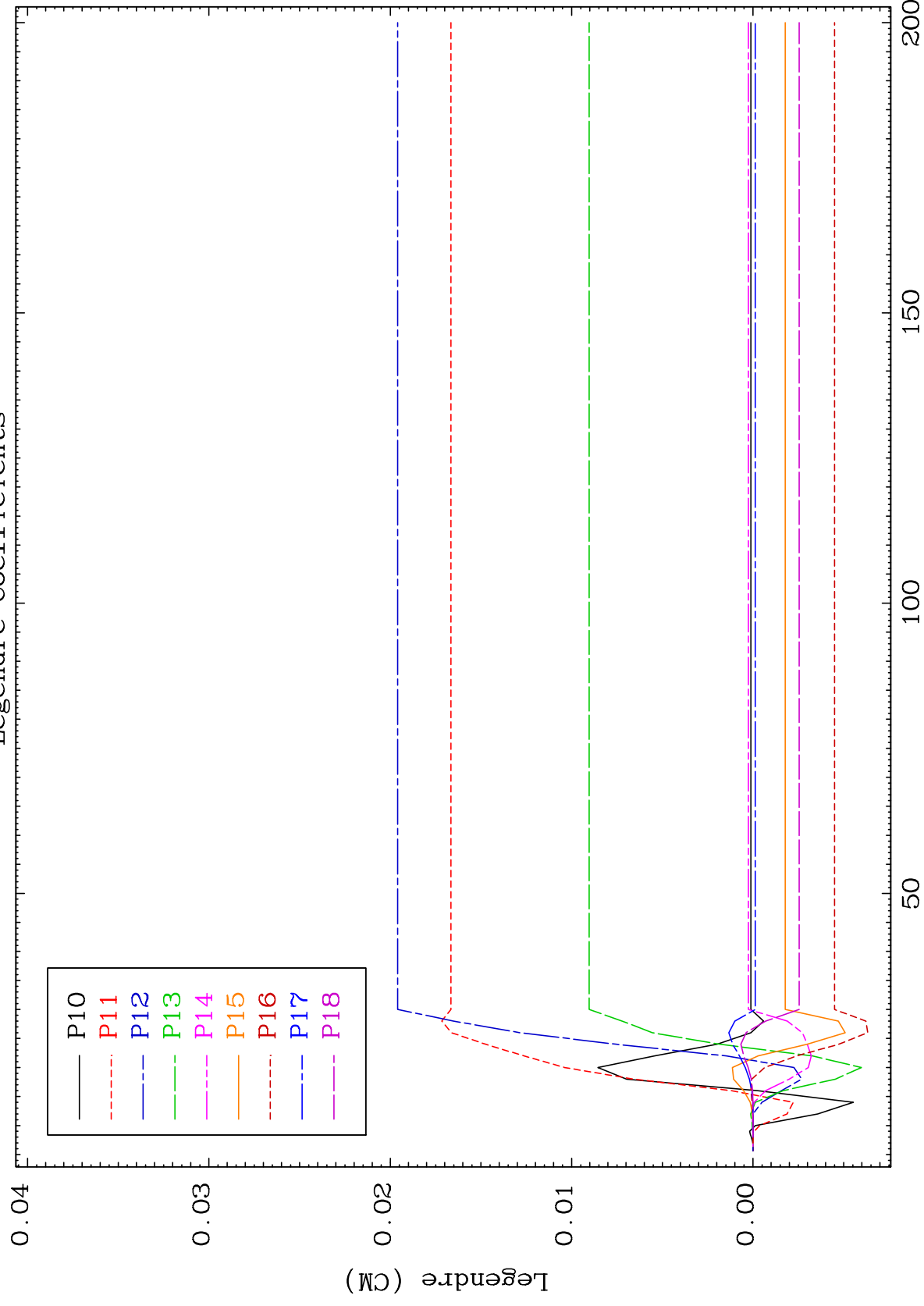
72-Hf-159



63

Incident Energy (MeV)

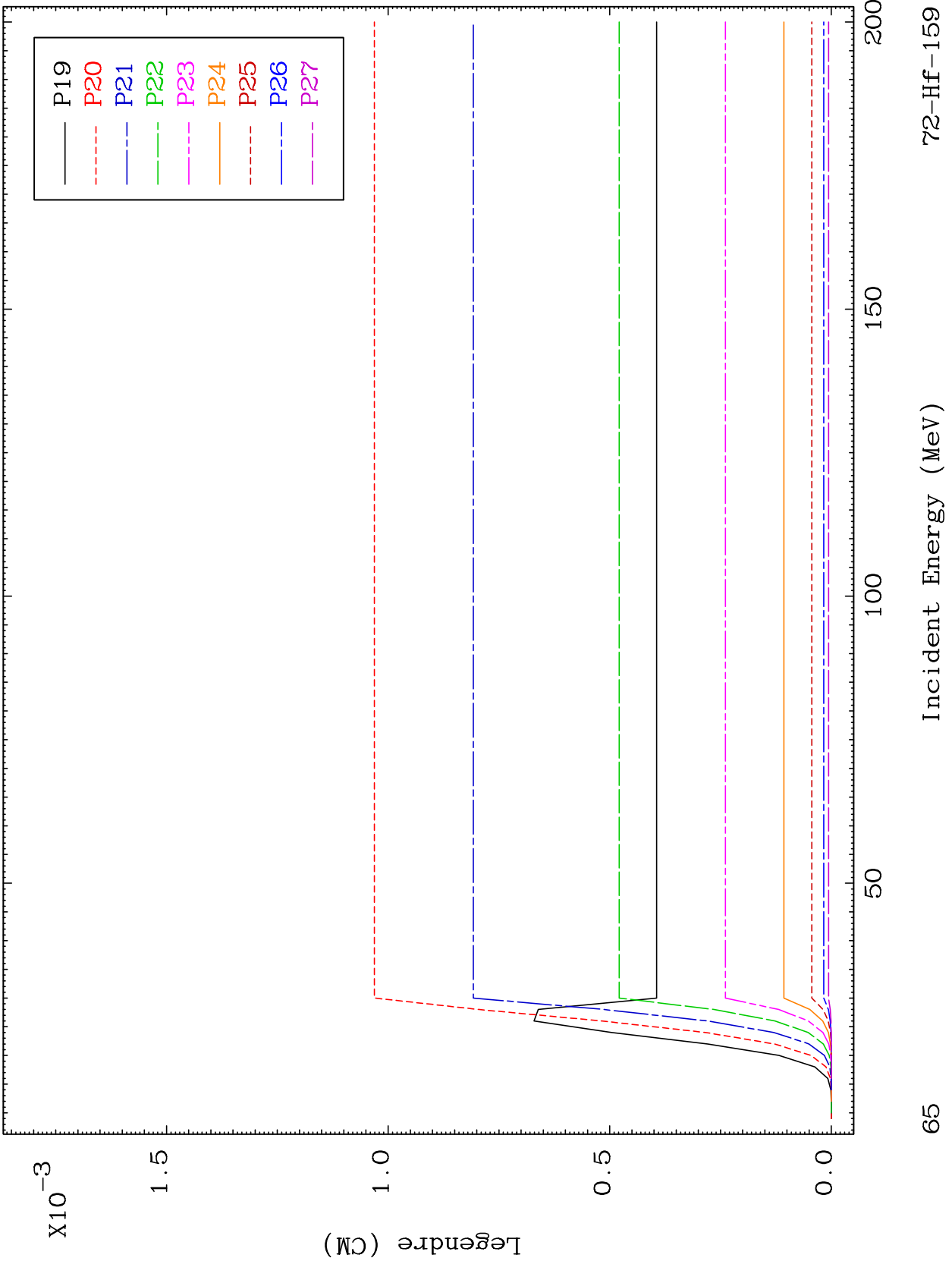
72-Hf-159



MAT 7180

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

72-Hf-159



65

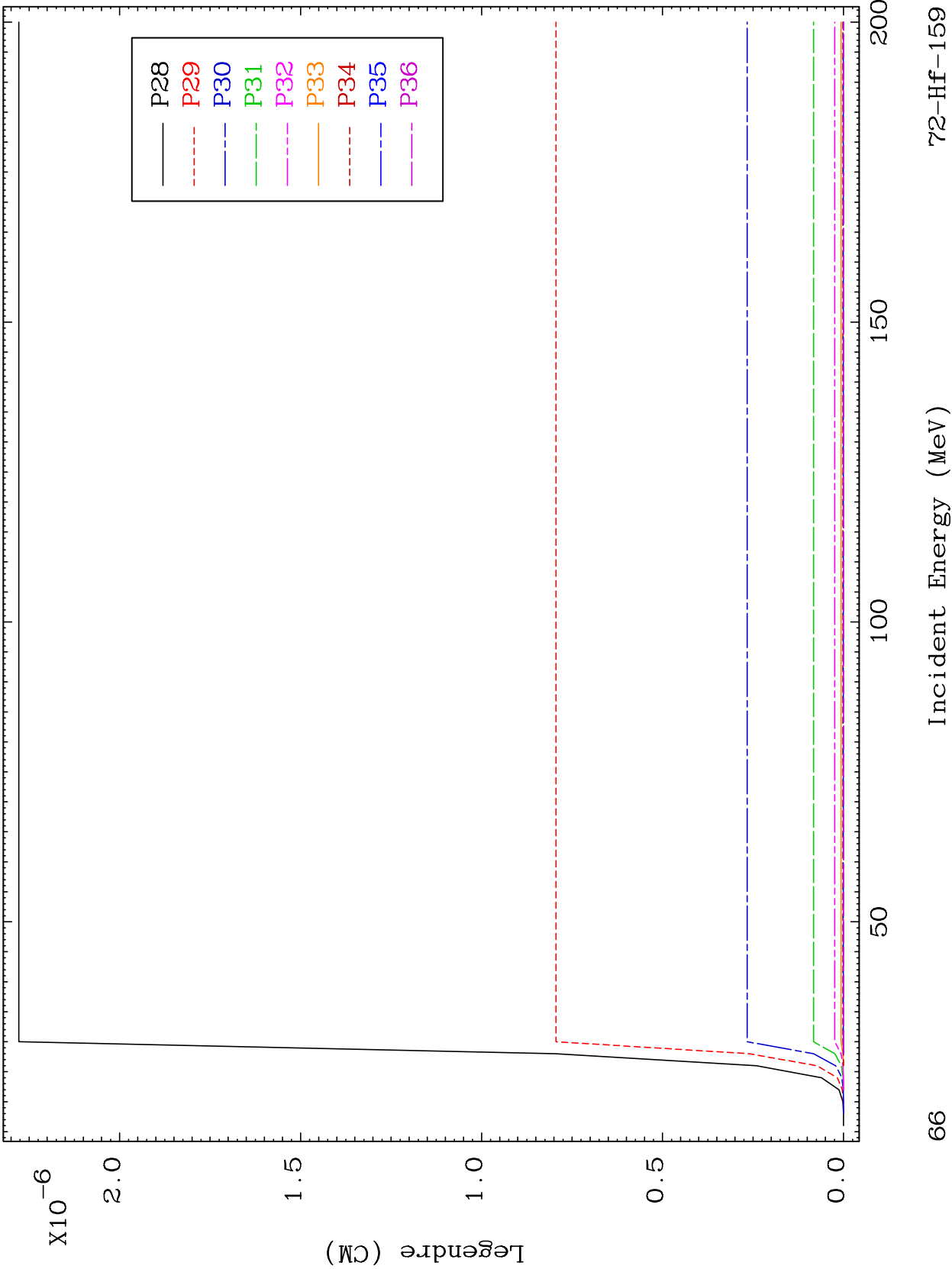
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



66

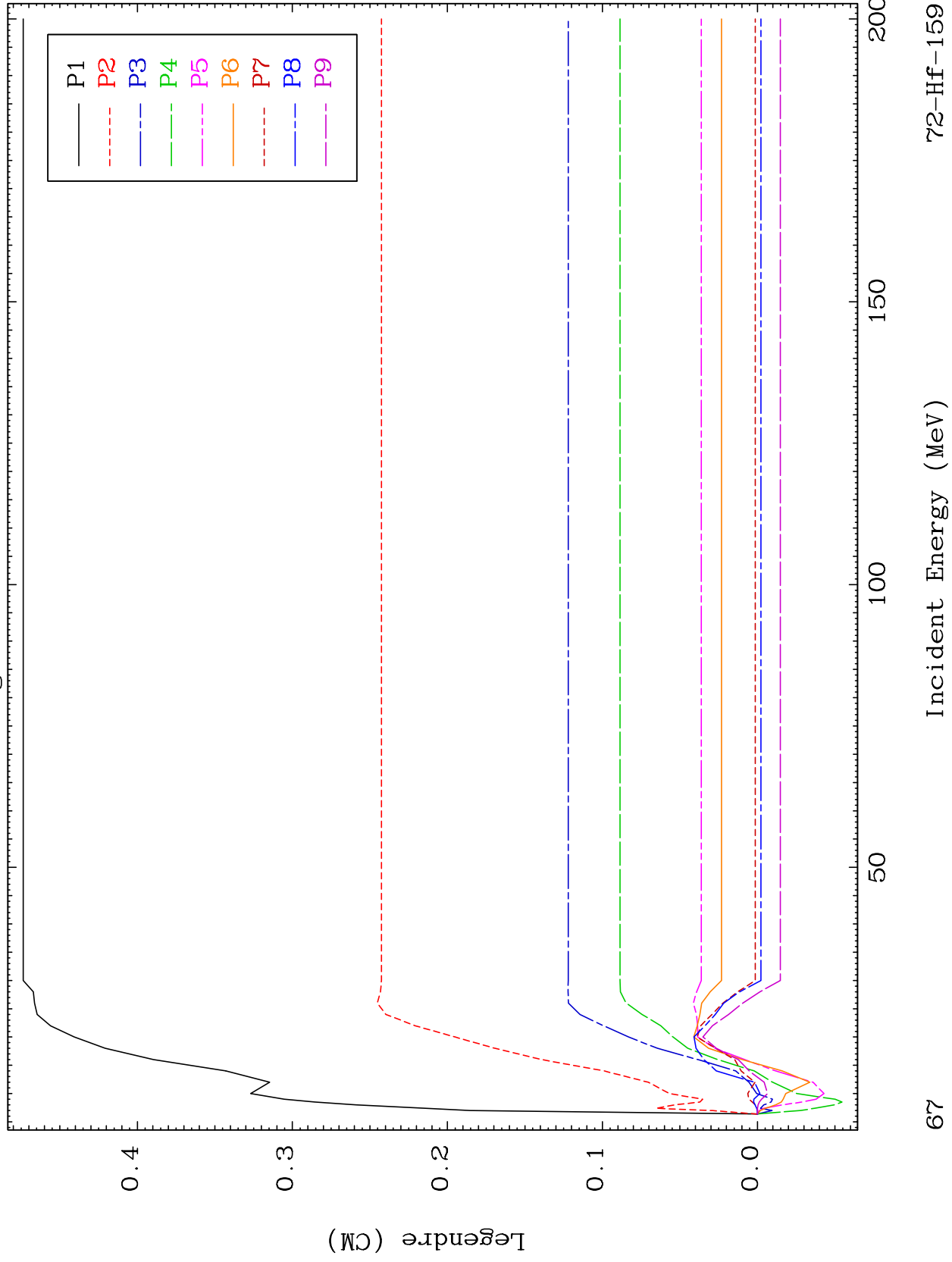
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

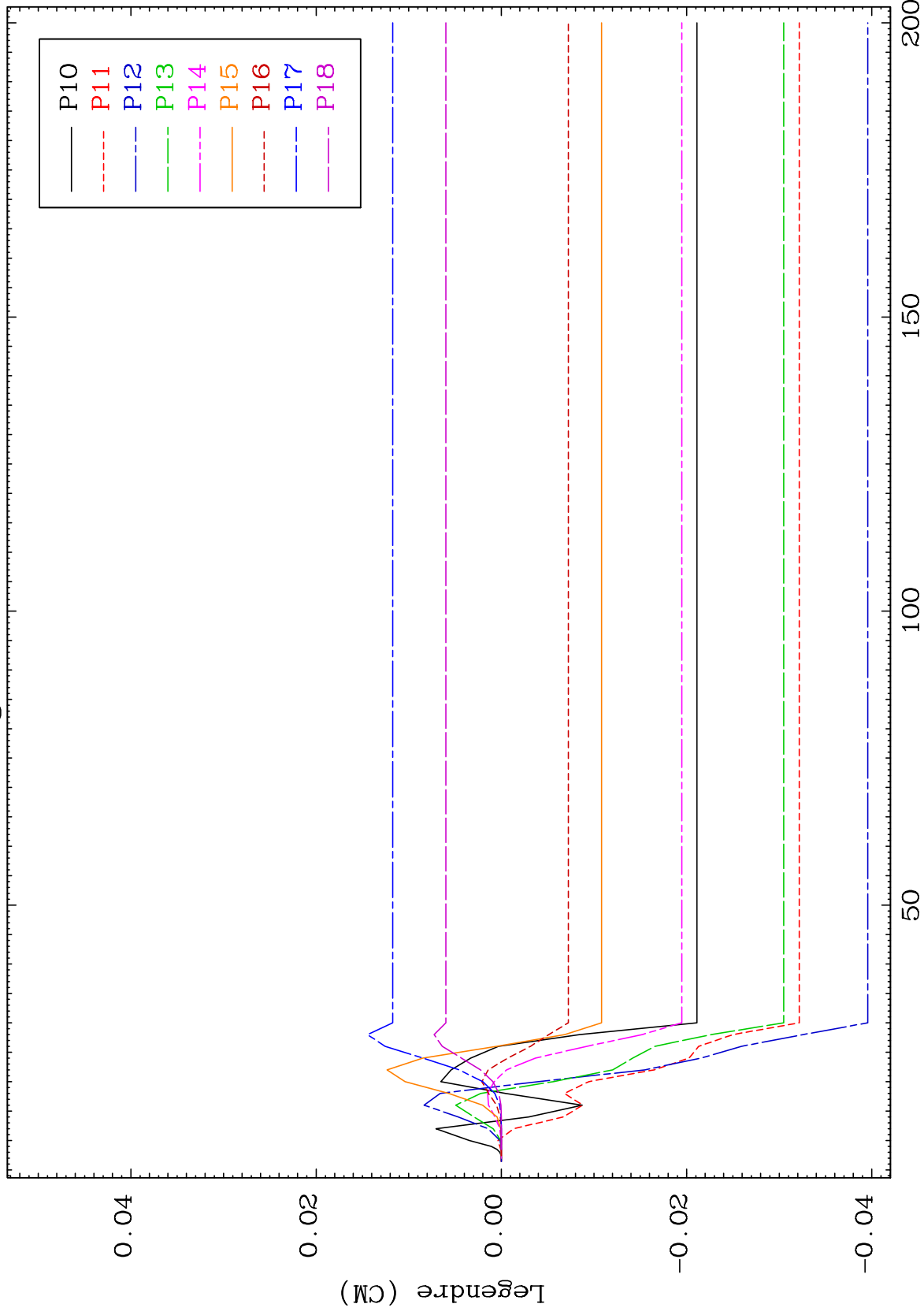
72-Hf-159



MAT 7180

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

72-Hf-159



68

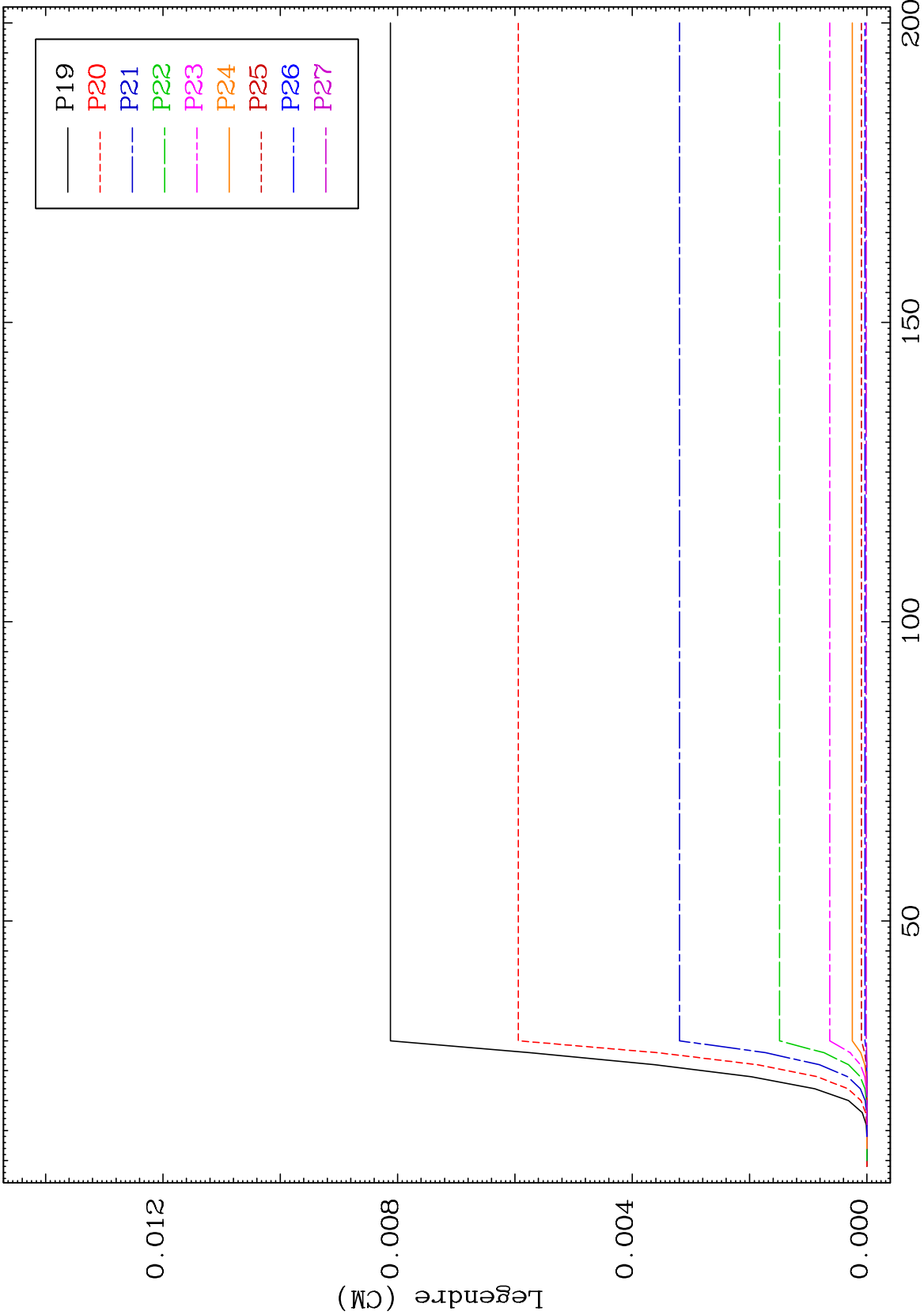
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159



69

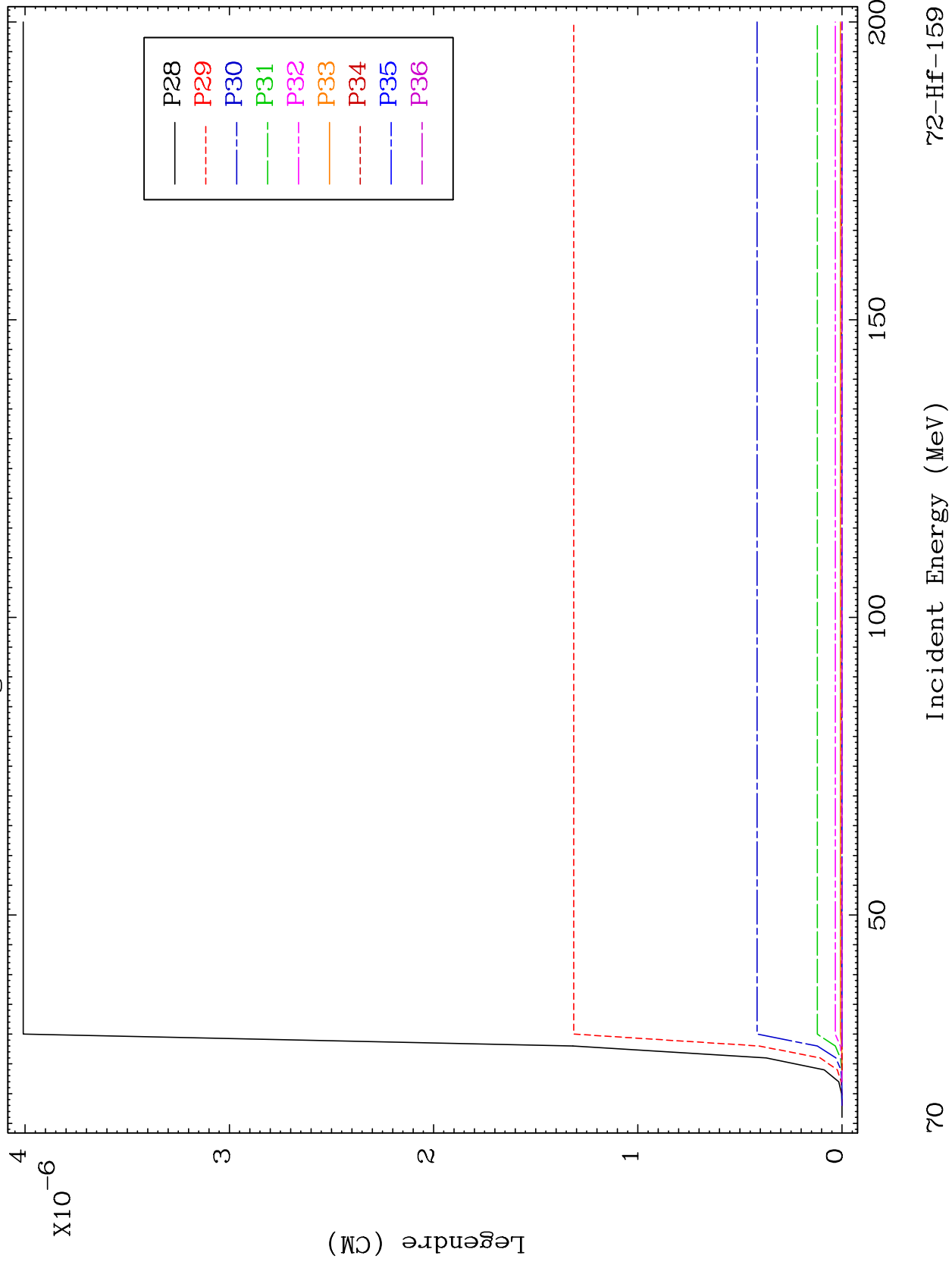
Incident Energy (MeV)

72-Hf-159

MAT 7180

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

72-Hf-159

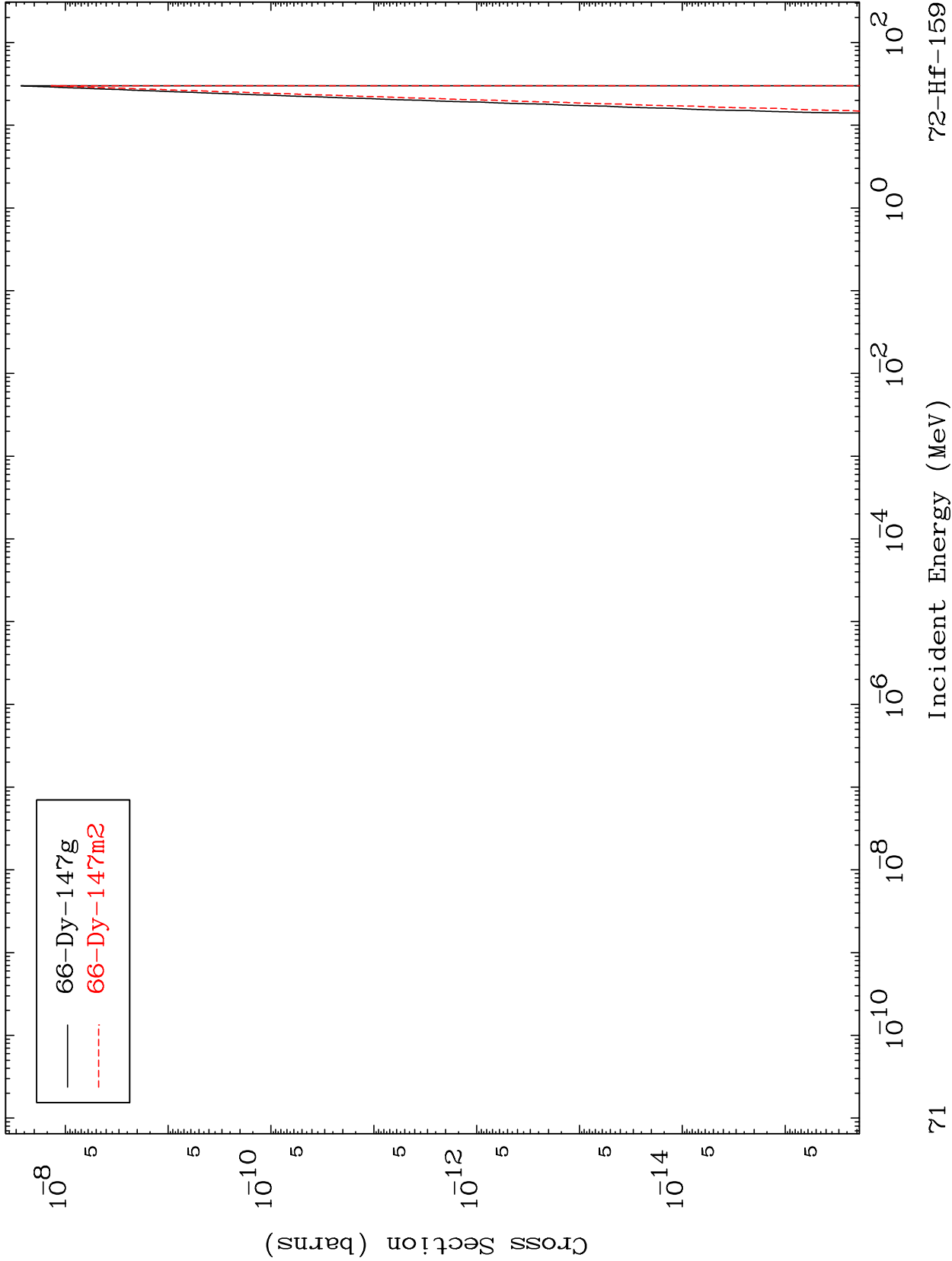


MAT 7180

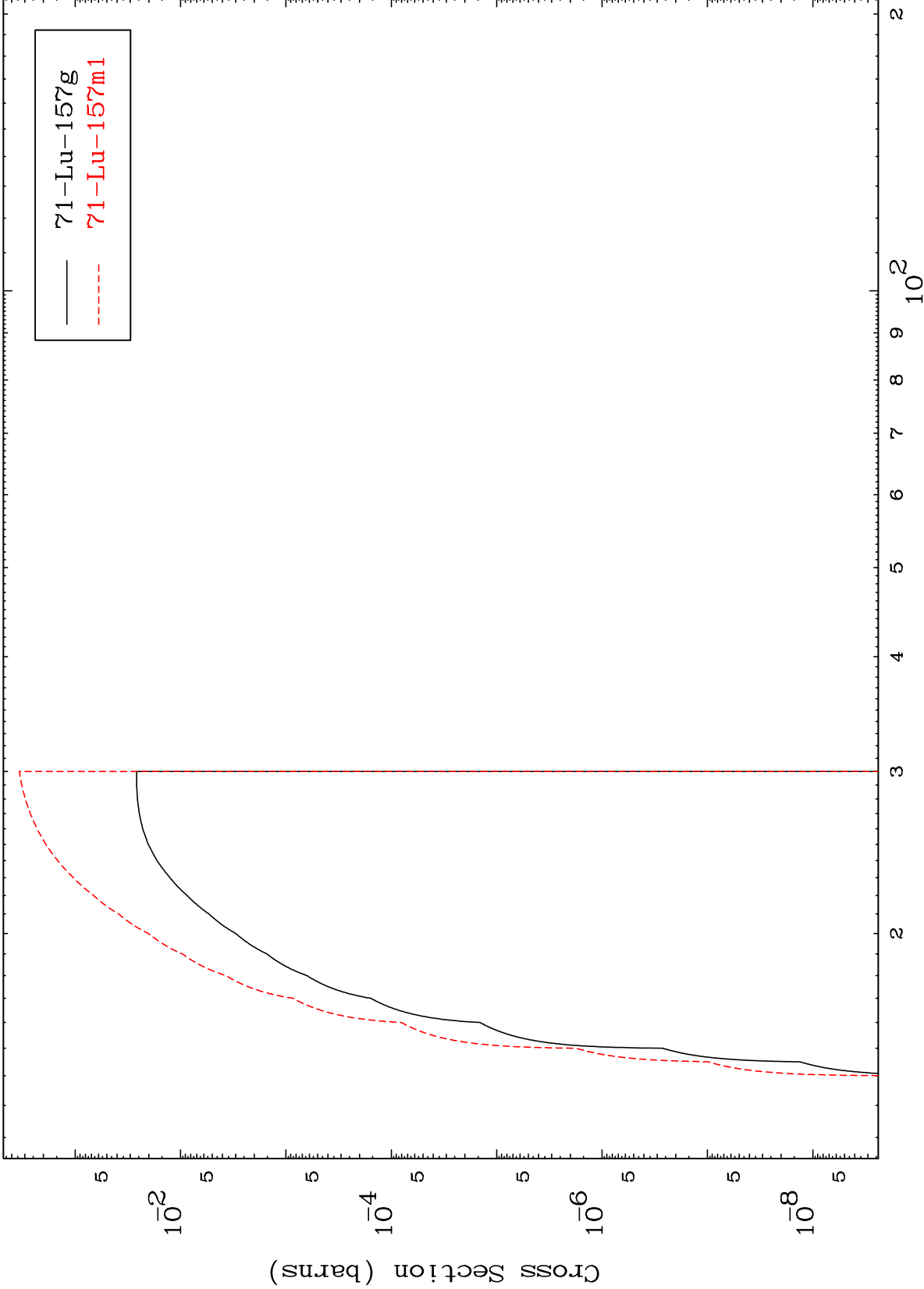
(n,n') 3 α

72-Hf-159

Radionuclide Production Cross Section



Radionuclide Production Cross Section



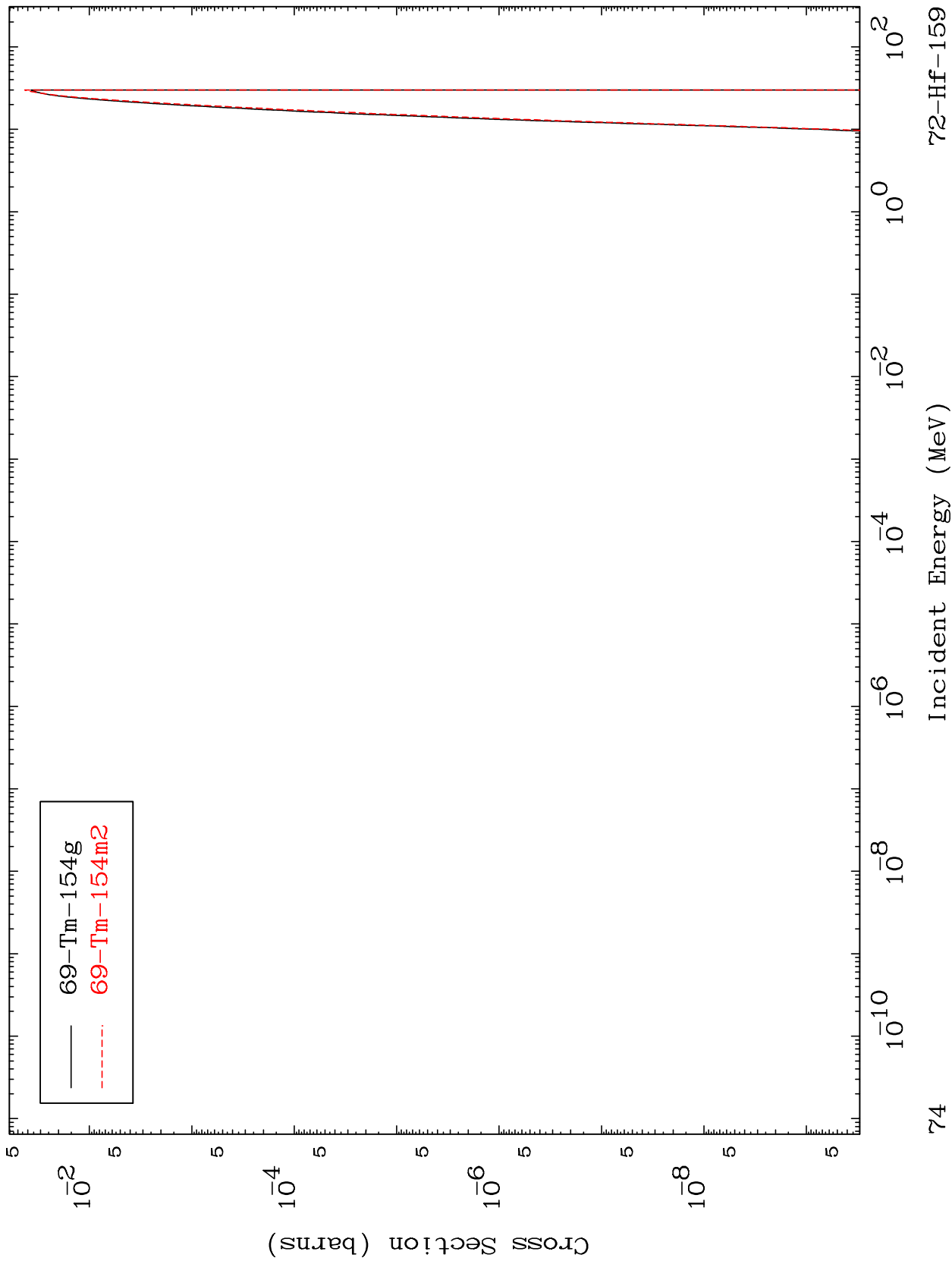
71-Lu-157g
71-Lu-157m1

MAT 7180

(n,n') p α

72-Hf-159

Radionuclide Production Cross Section



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

74

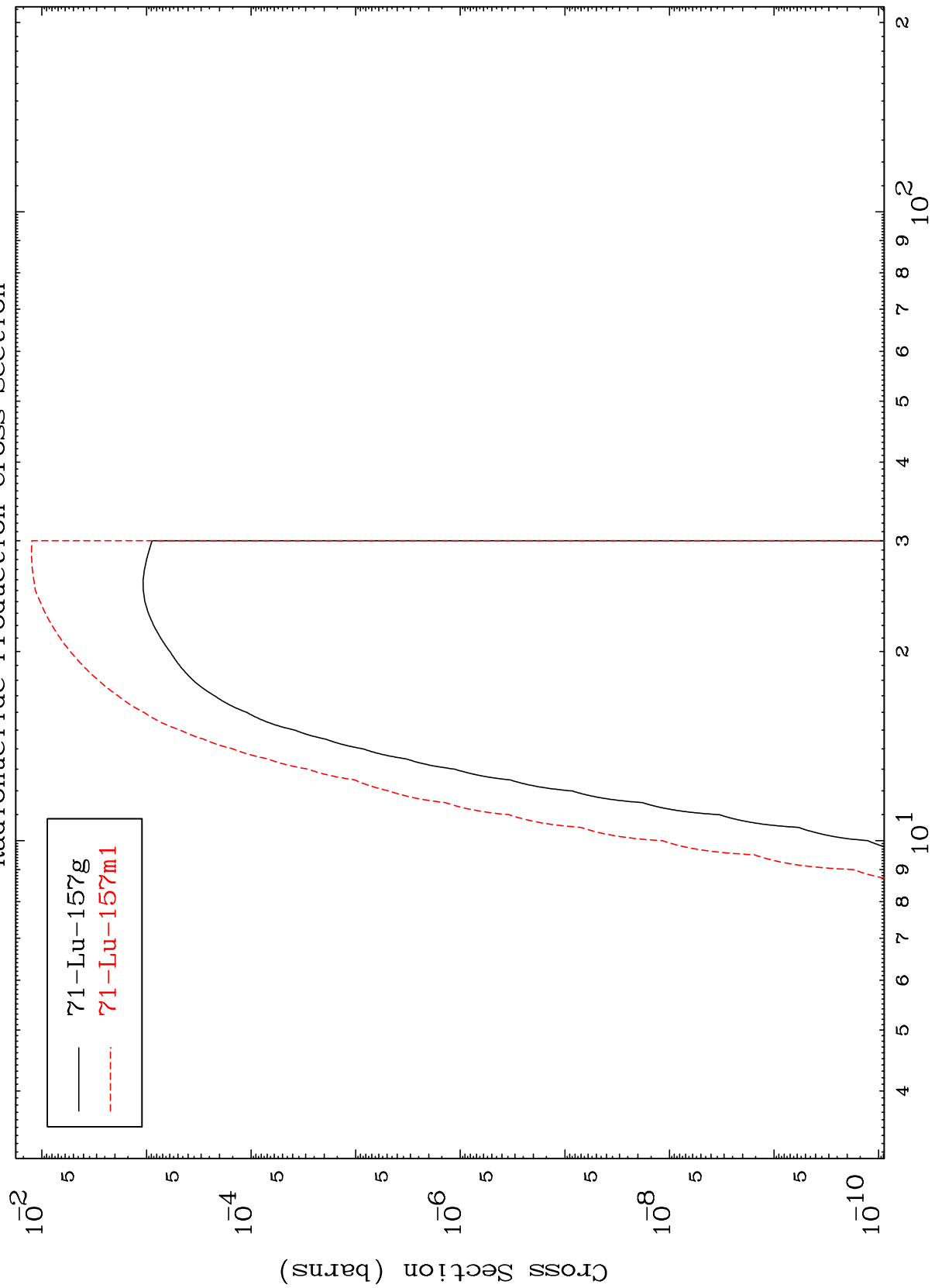
Incident Energy (MeV)

72-Hf-159

MAT 7180

72-Hf-159

(n, t)
Radionuclide Production Cross Section



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

75

Incident Energy (MeV)

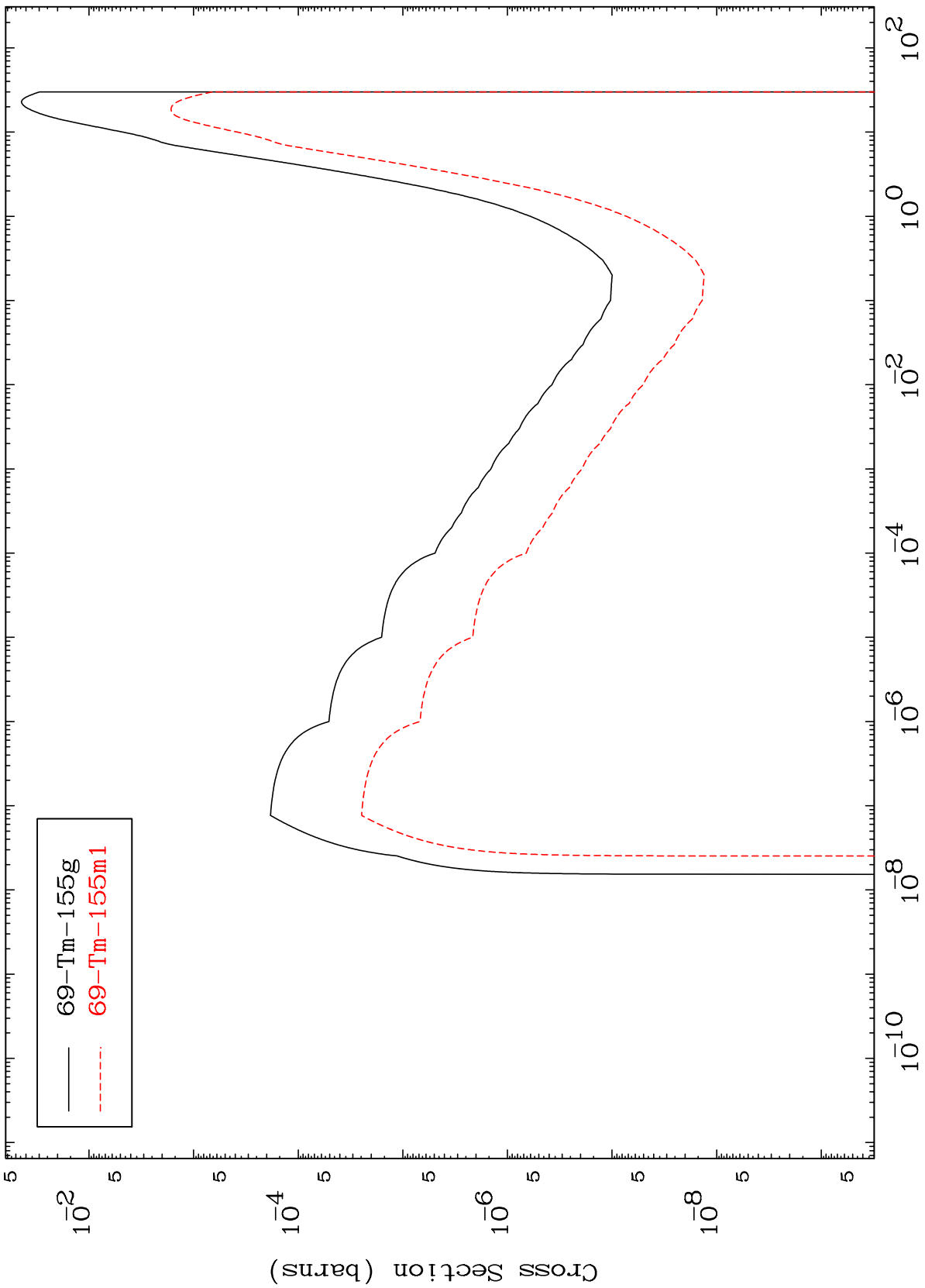
72-Hf-159

MAT 7180

(n,p) α

72-Hf-159

Radionuclide Production Cross Section



76

Incident Energy (MeV)

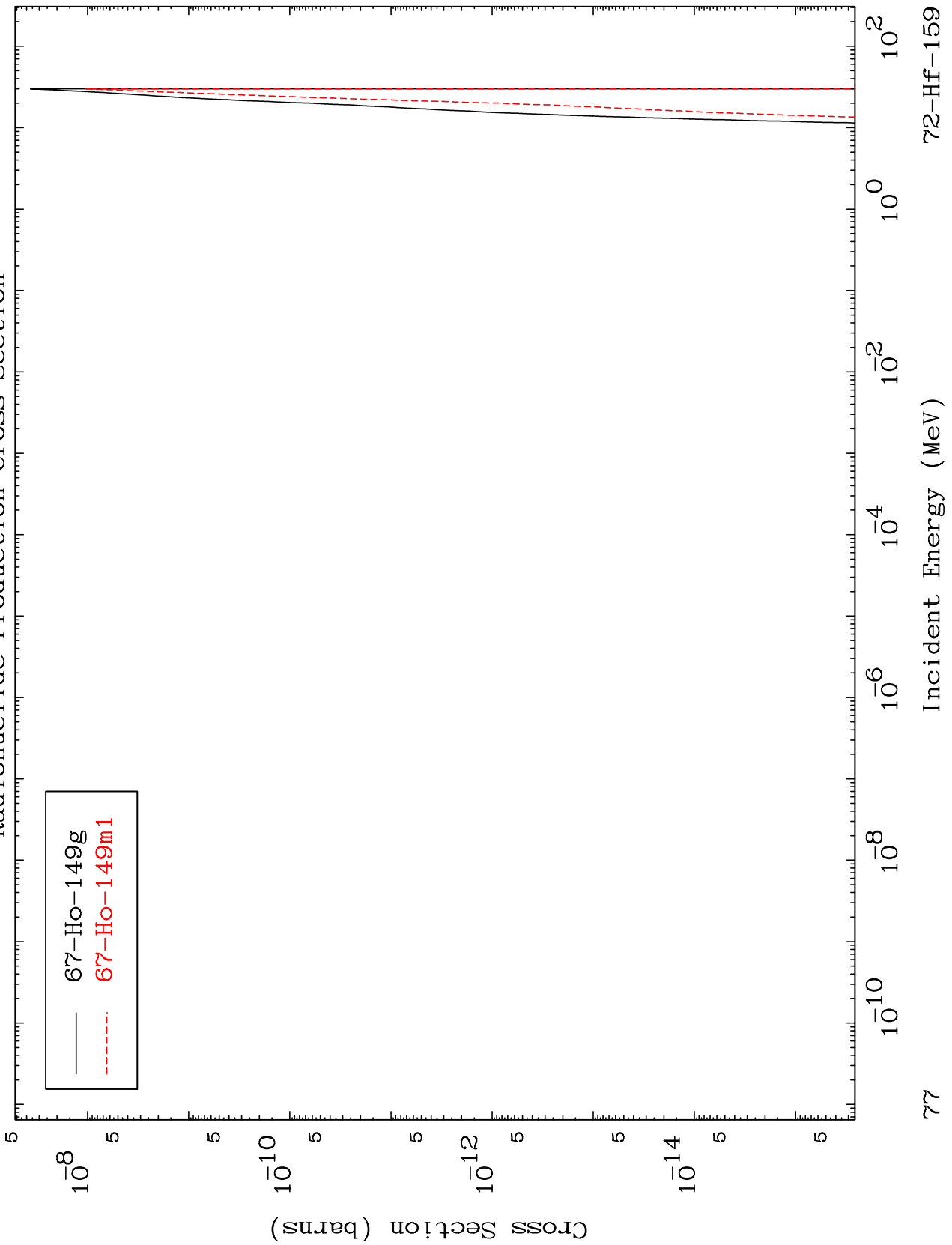
72-Hf-159

MAT 7180

(n,t) 2 α

72-Hf-159

Radionuclide Production Cross Section



77

Incident Energy (MeV)

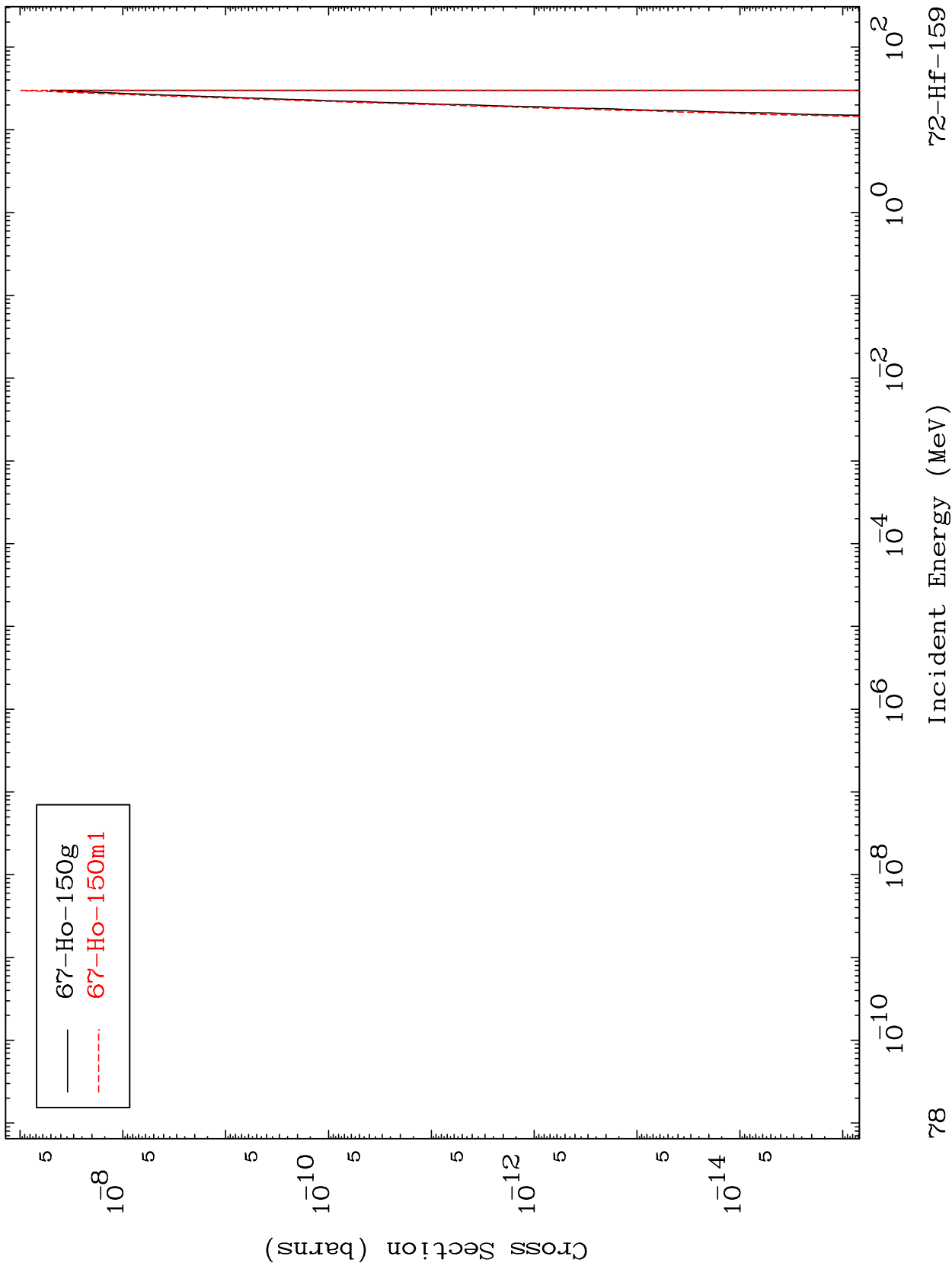
72-Hf-159

MAT 7180

(n,d) 2 α

72-Hf-159

Radionuclide Production Cross Section



78

Incident Energy (MeV)

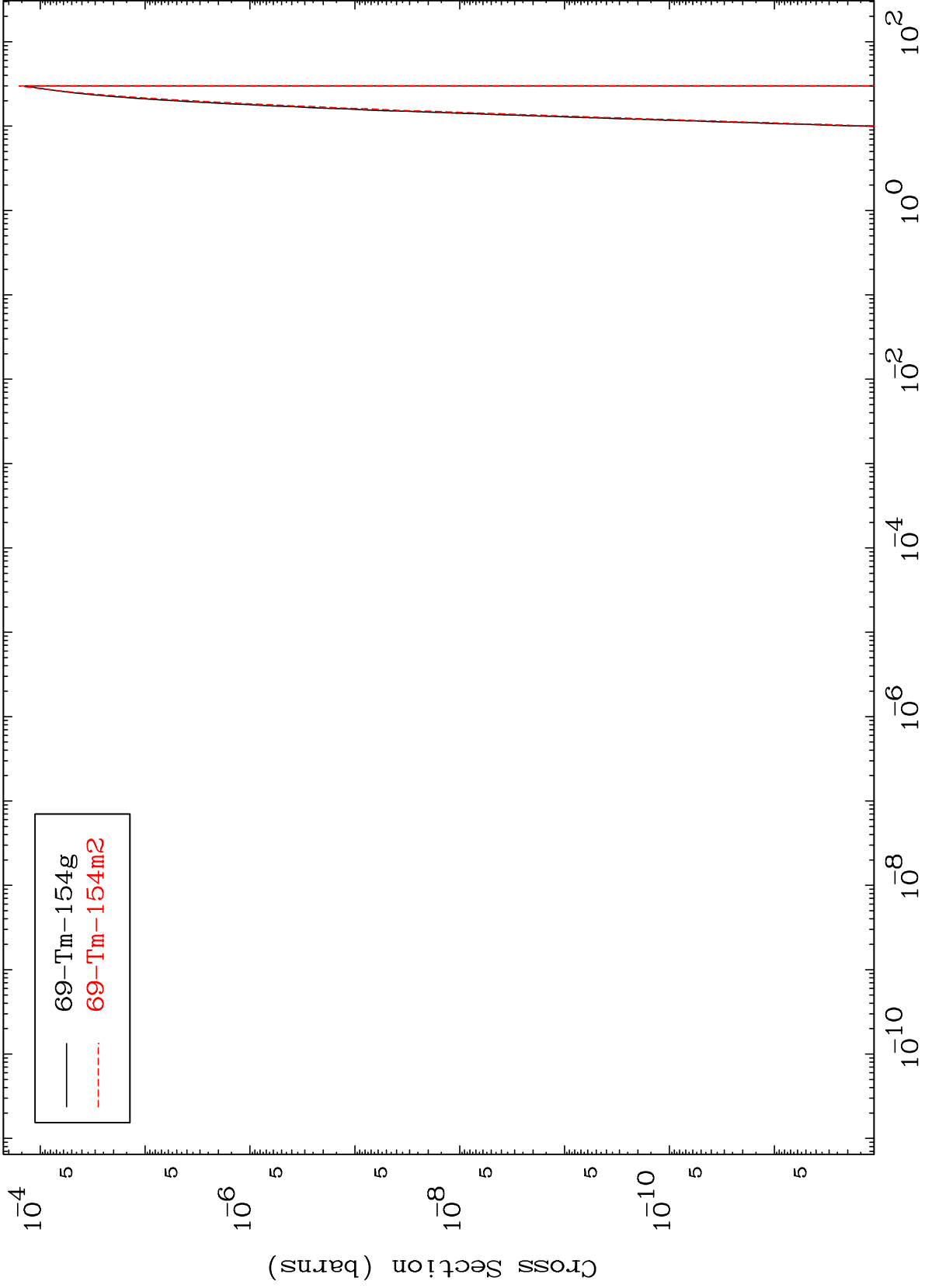
72-Hf-159

MAT 7180

(n,d) α

72-Hf-159

Radionuclide Production Cross Section



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

79

Incident Energy (MeV)

72-Hf-159