

Program EVALPLOT
(Version 2018-1)

by

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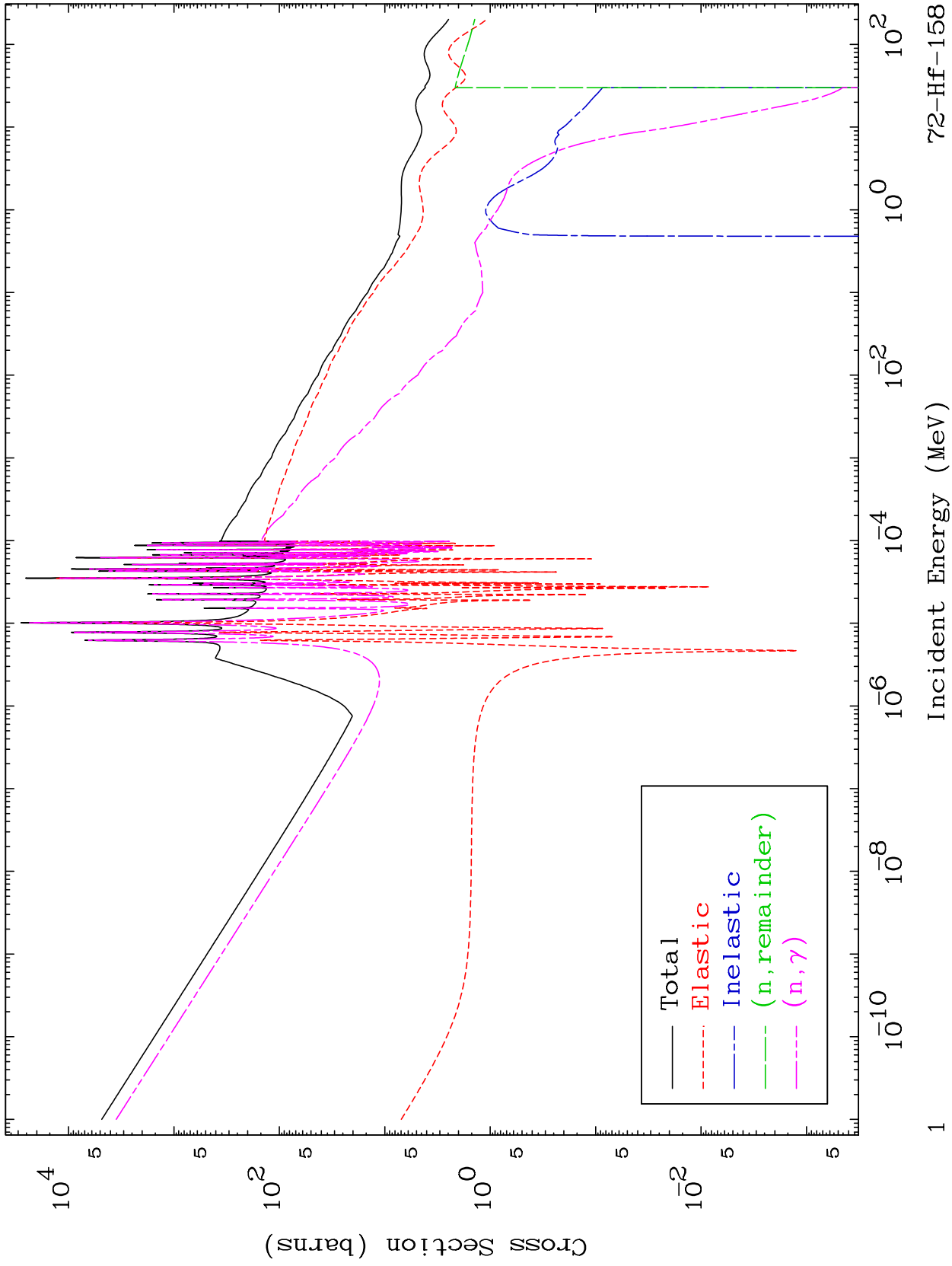
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7177

Major
293 Kelvin Cross Sections

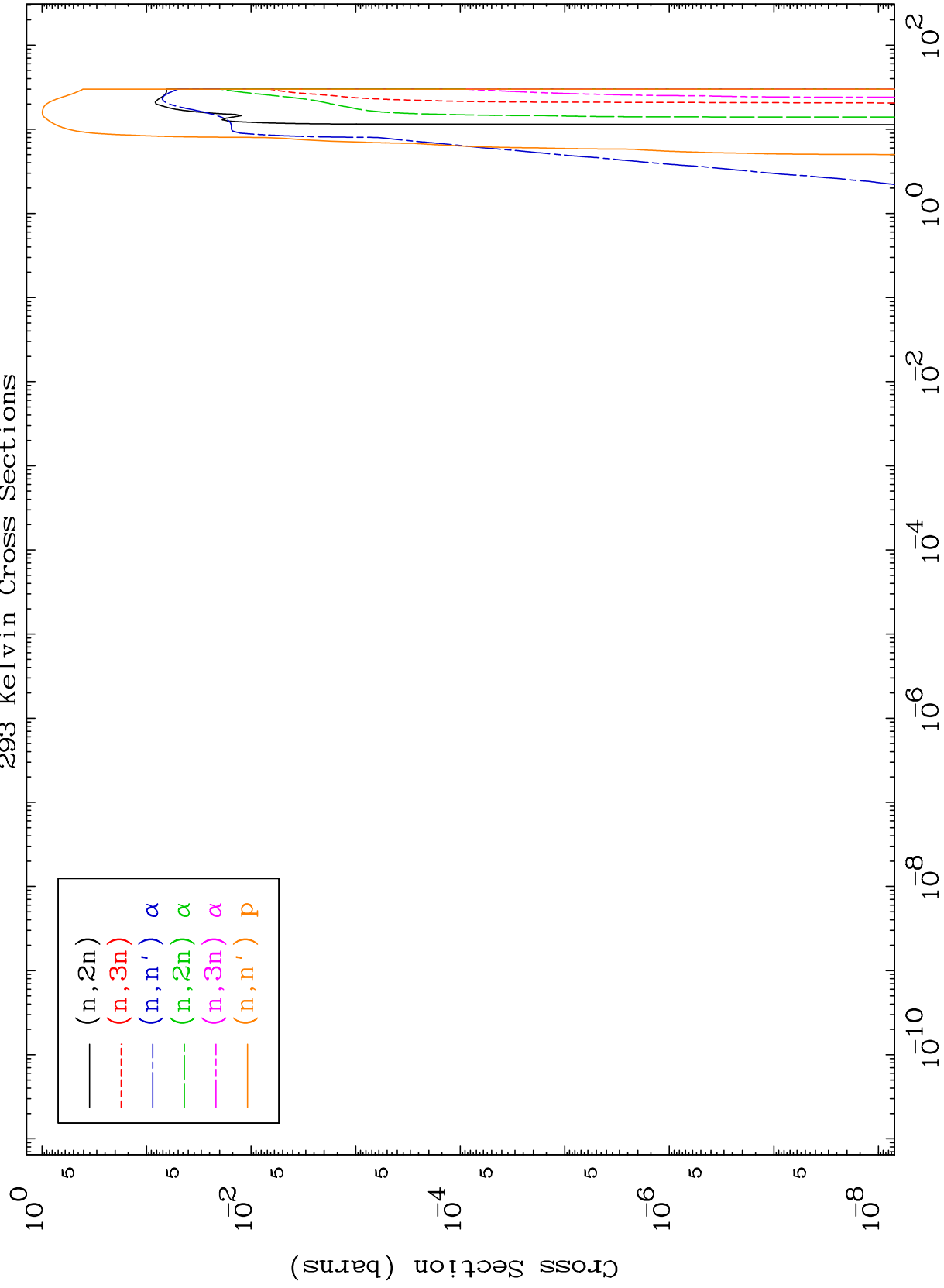
72-Hf-158



MAT 7177

Neutron Production
293 Kelvin Cross Sections

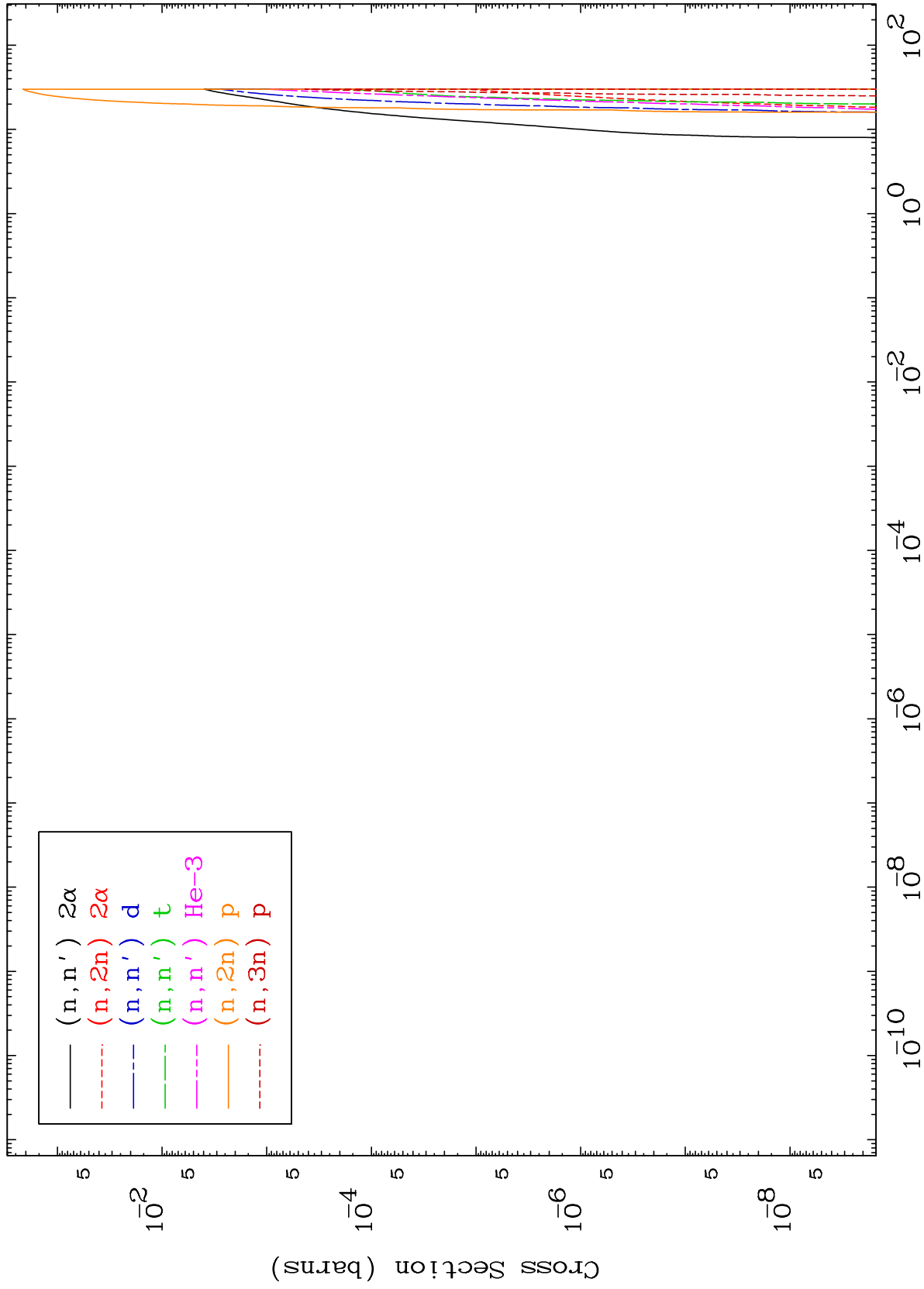
72-Hf-158



2

Incident Energy (MeV)

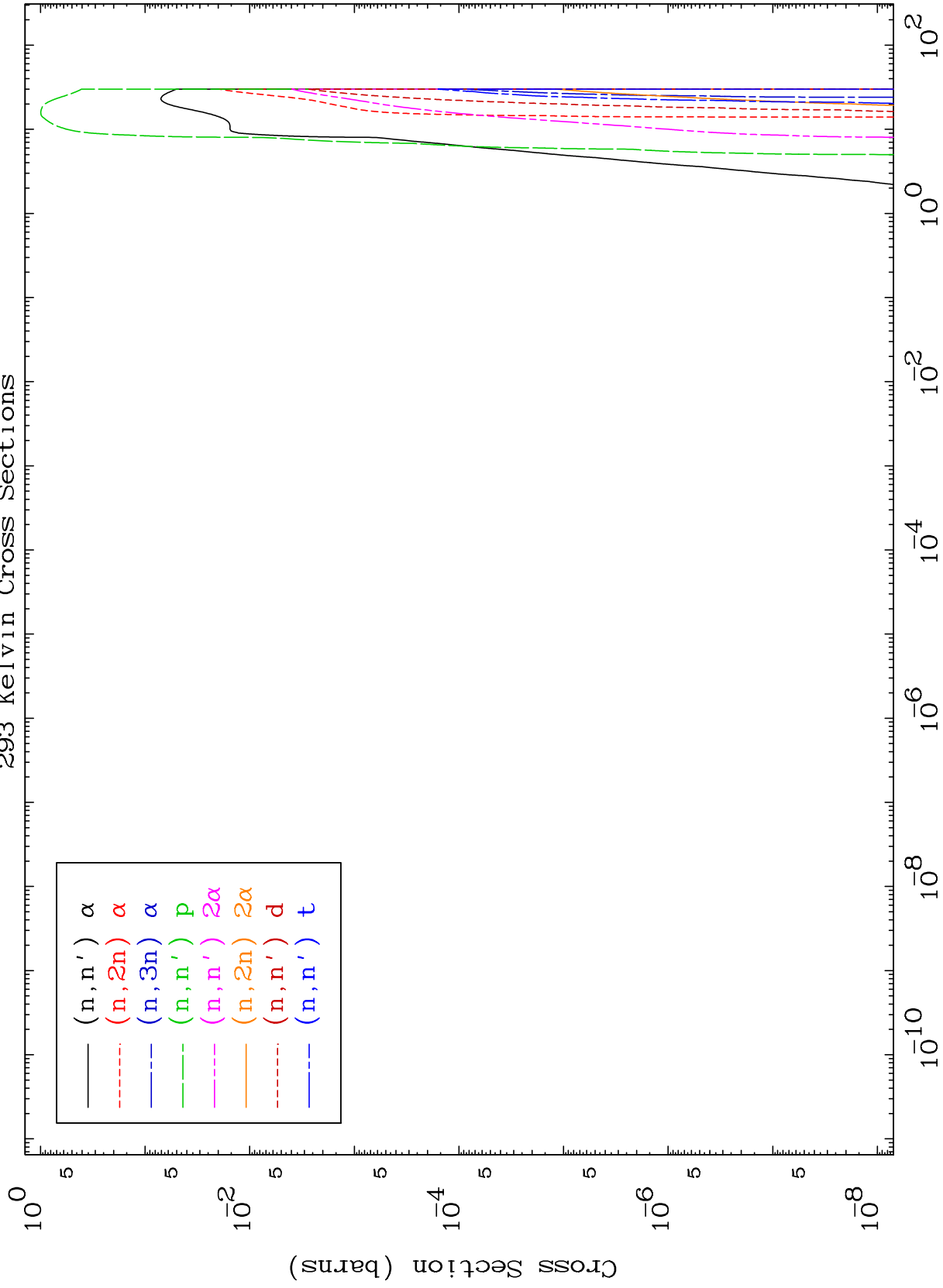
72-Hf-158



MAT 7177

293 Kelvin Cross Sections

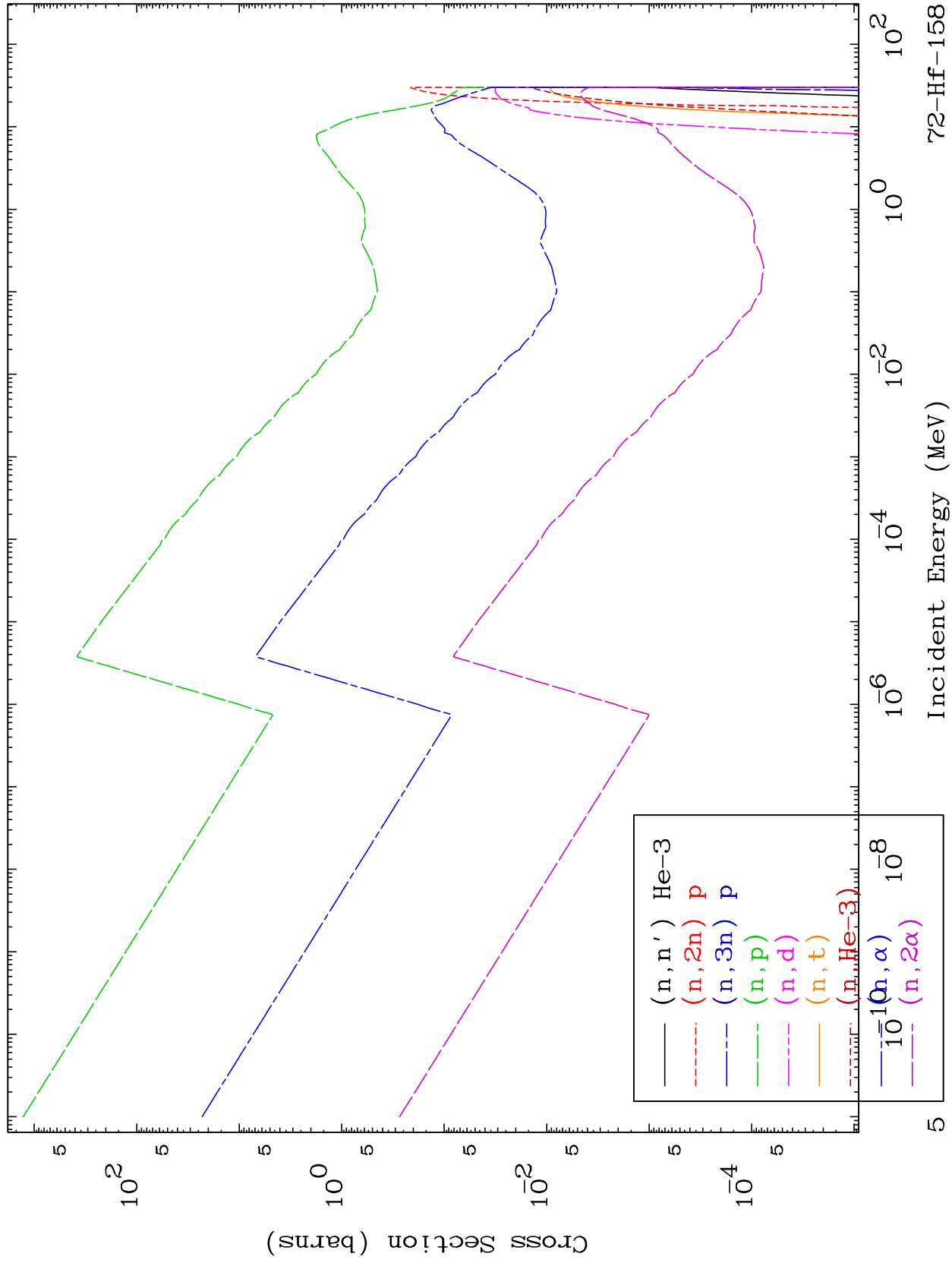
72-Hf-158



MAT 7177

293 Kelvin Cross Sections

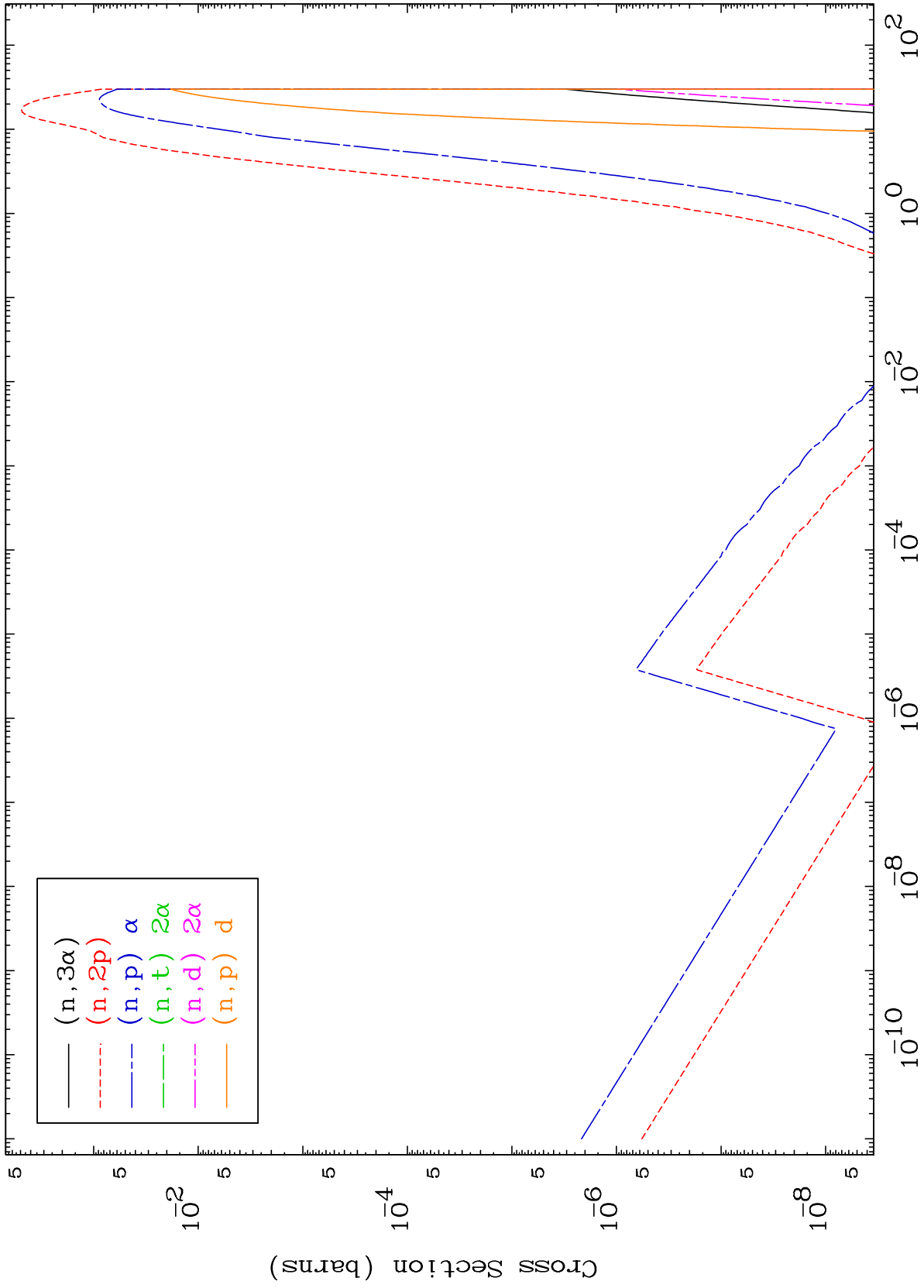
72-Hf-158



MAT 7177

293 Kelvin Cross Sections

72-Hf-158



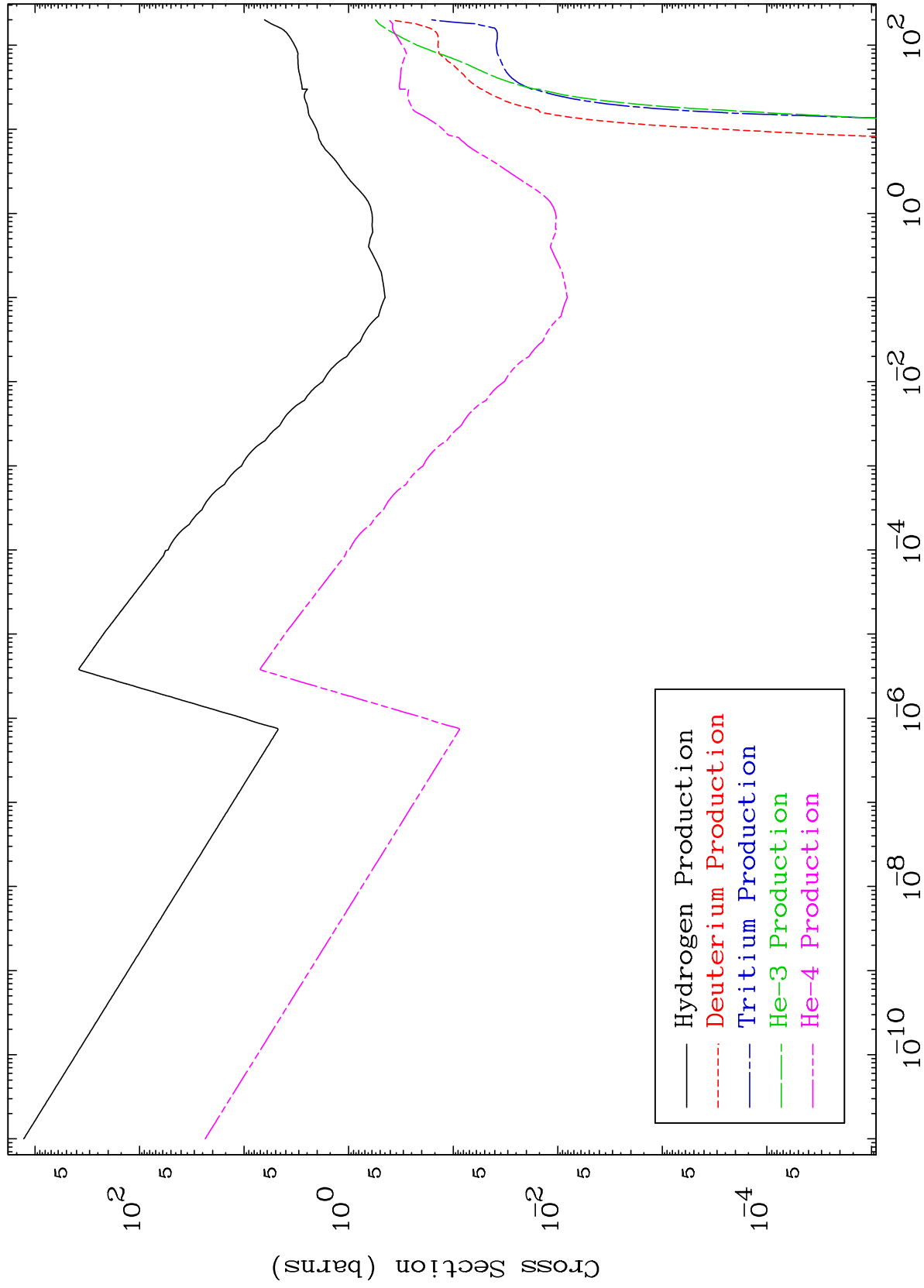
6

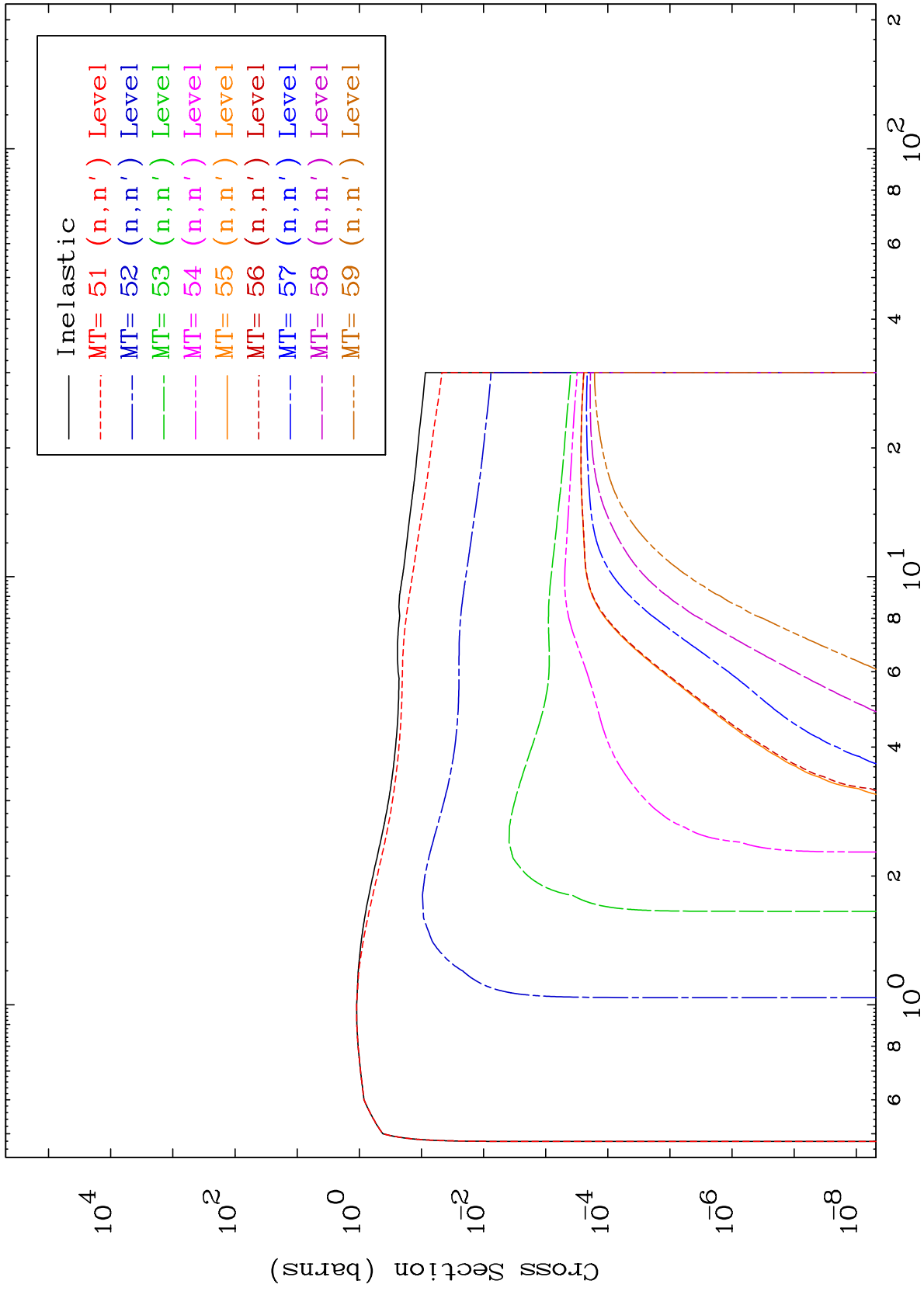
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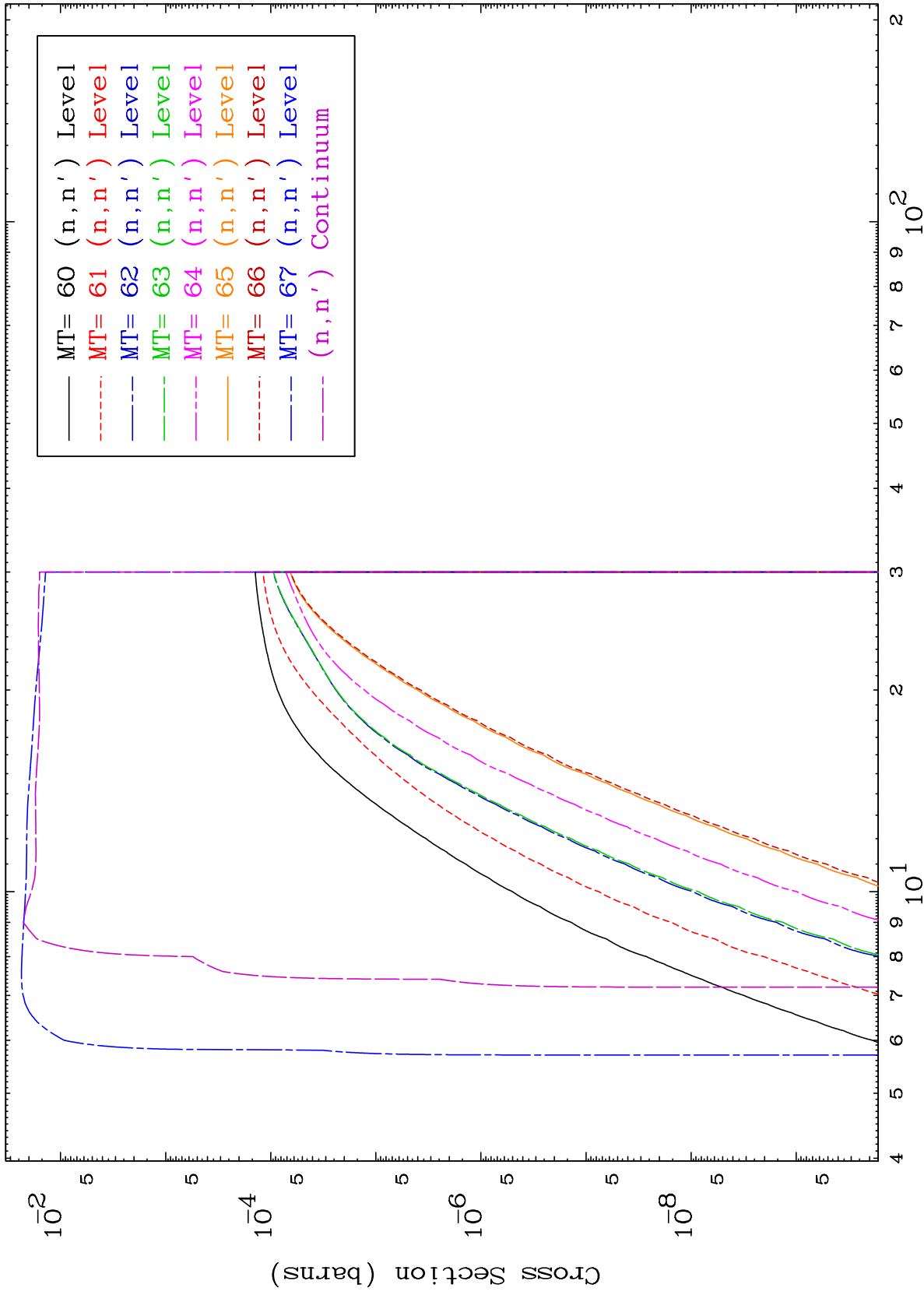
MAT 7177

Particle Production
293 Kelvin Cross Sections

72-Hf-158



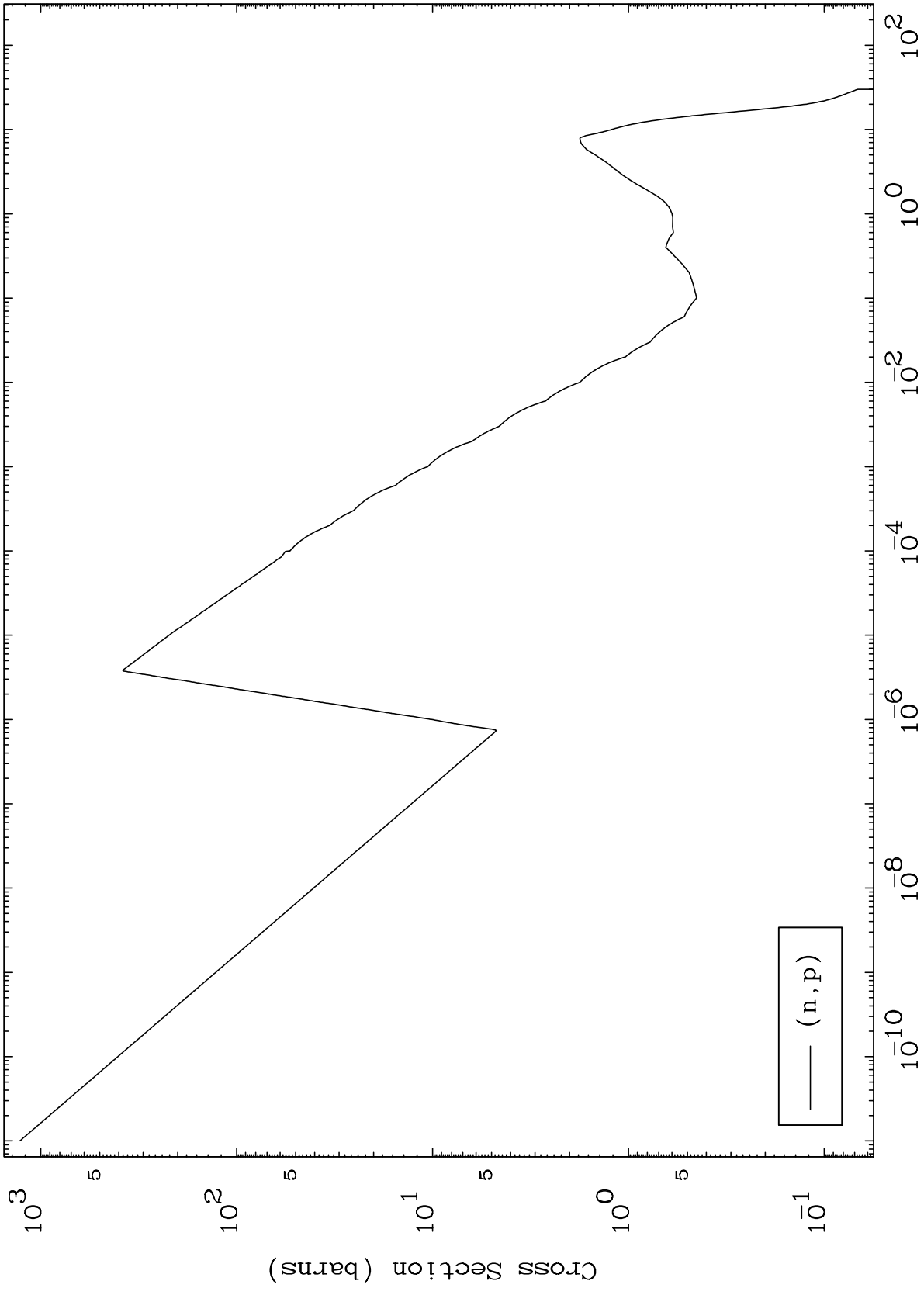




MAT 7177

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-158



10

Incident Energy (MeV)

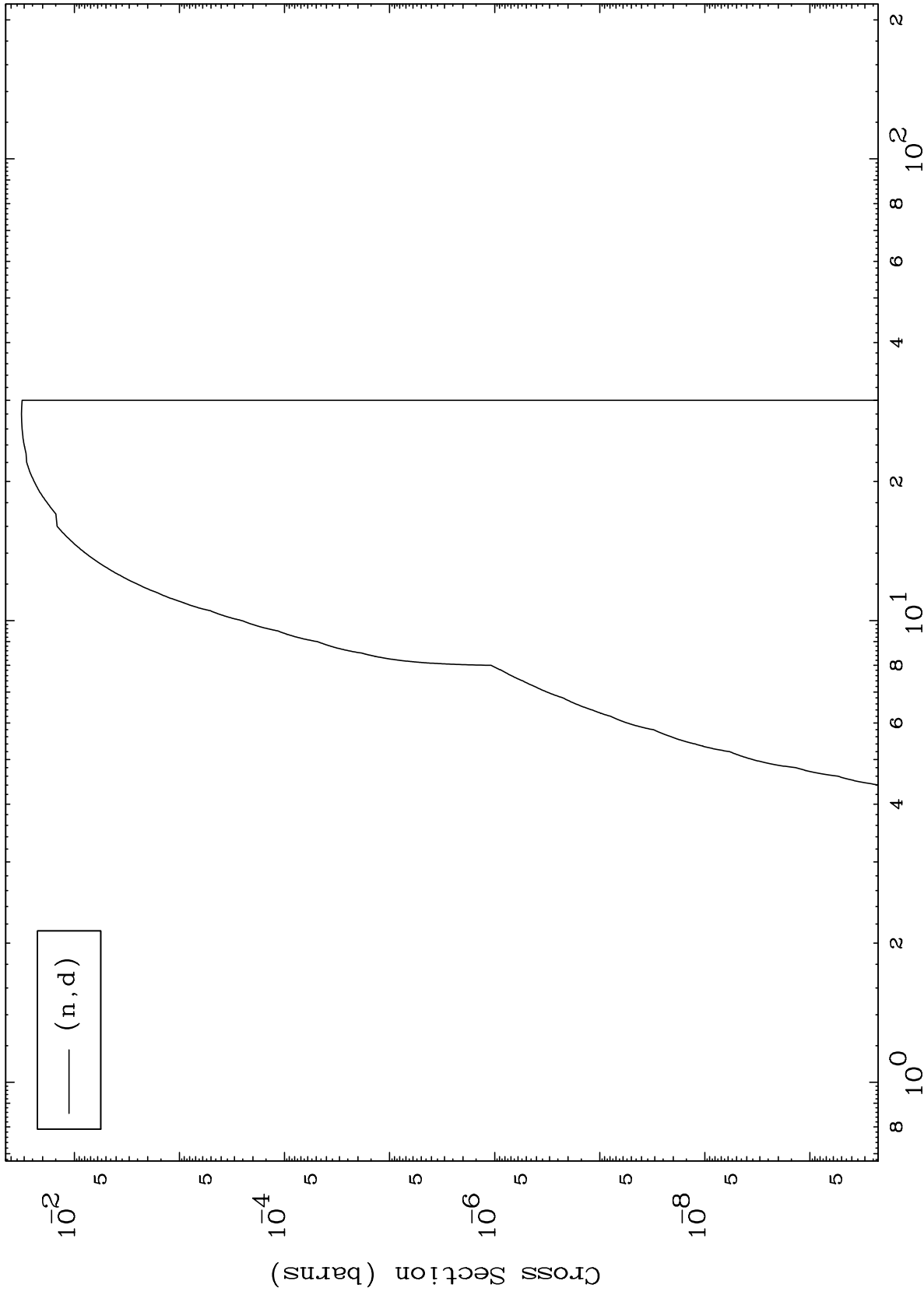
72-Hf-158

— (n, p)

MAT 7177

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-158



11

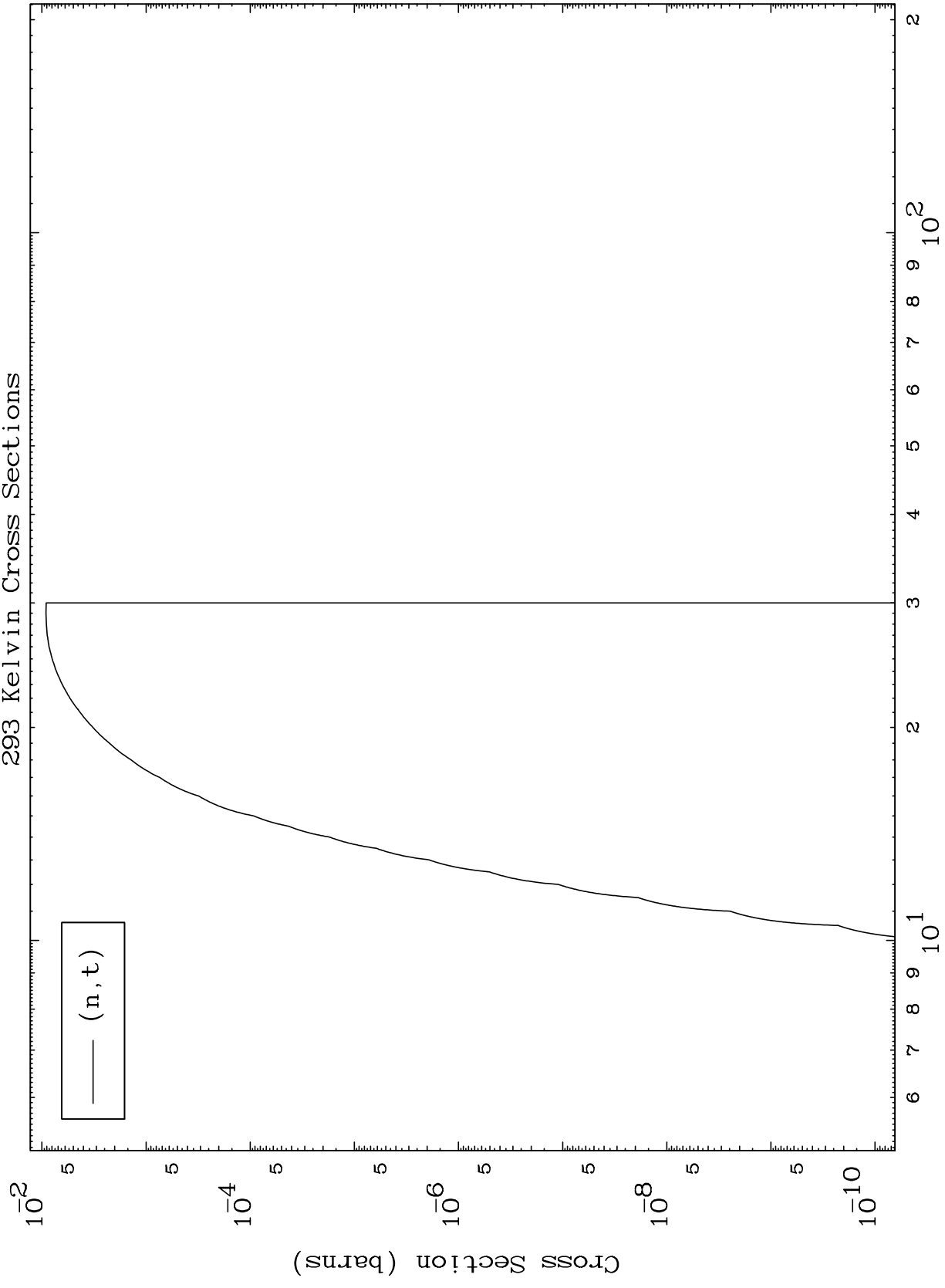
Incident Energy (MeV)

72-Hf-158

MAT 7177

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-158



12

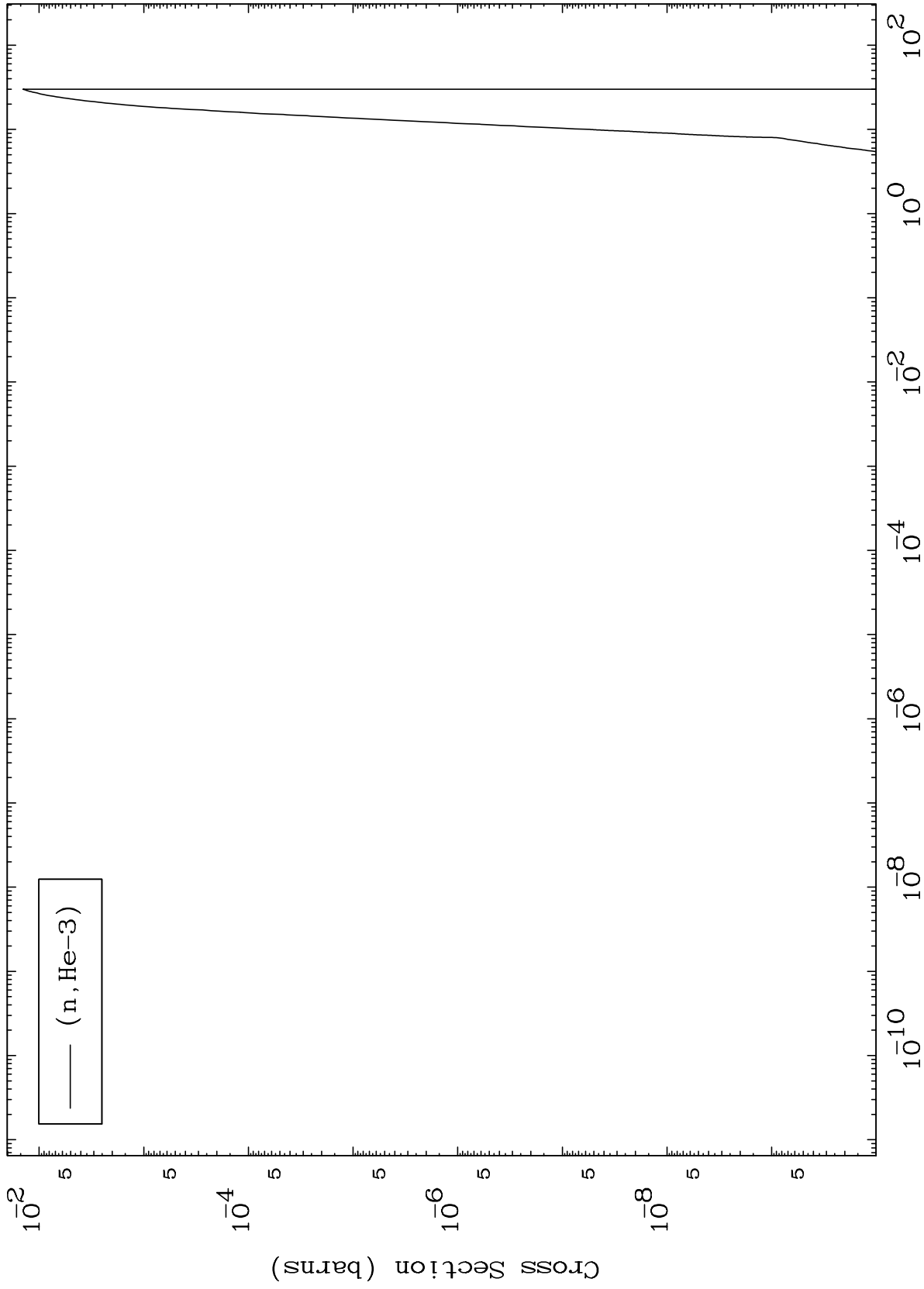
Incident Energy (MeV)

72-Hf-158

MAT 7177

(n,He3) Levels
293 Kelvin Cross Sections

72-Hf-158



13

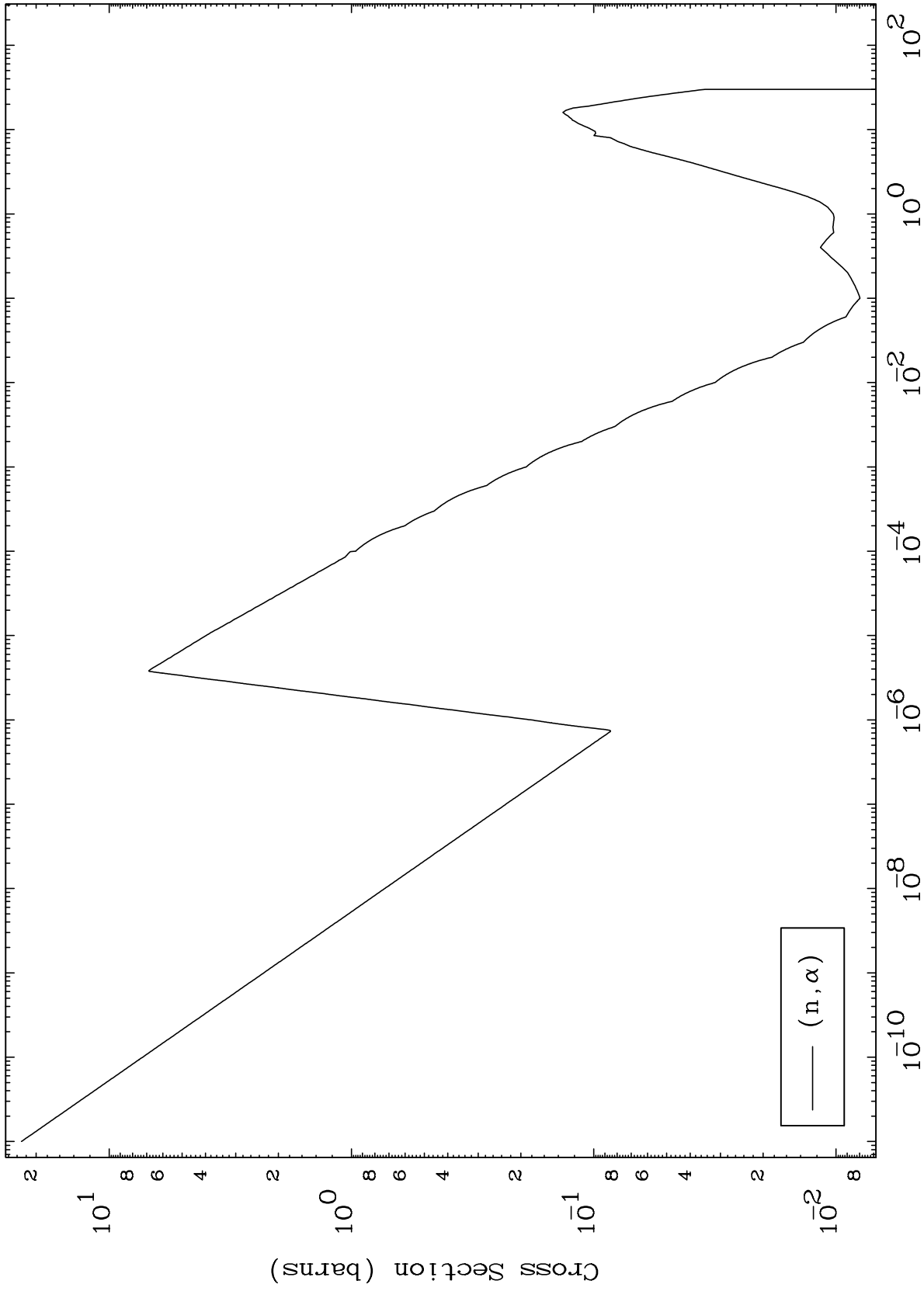
Incident Energy (MeV)

72-Hf-158

MAT 7177

(n,α) Levels
293 Kelvin Cross Sections

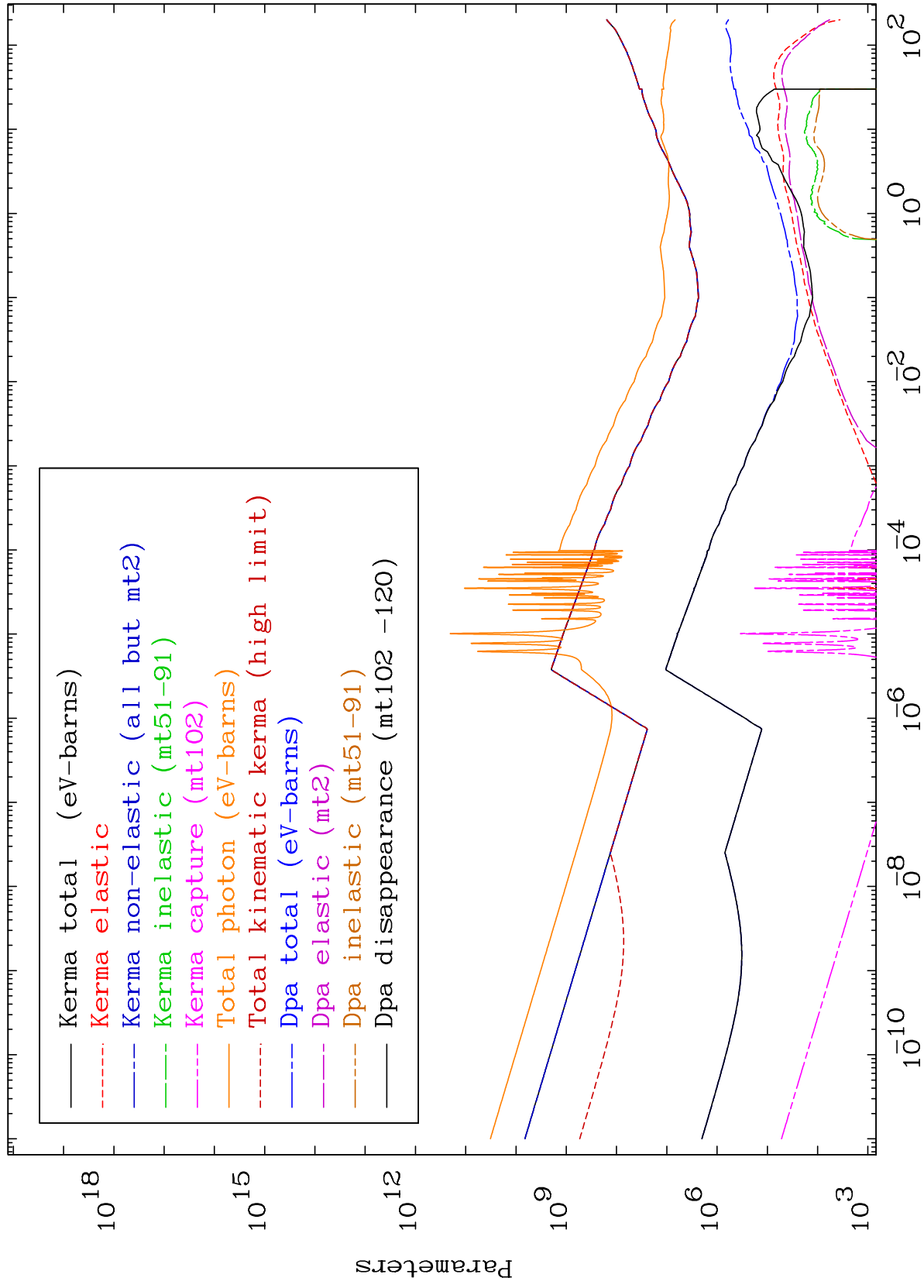
72-Hf-158



14

Incident Energy (MeV)

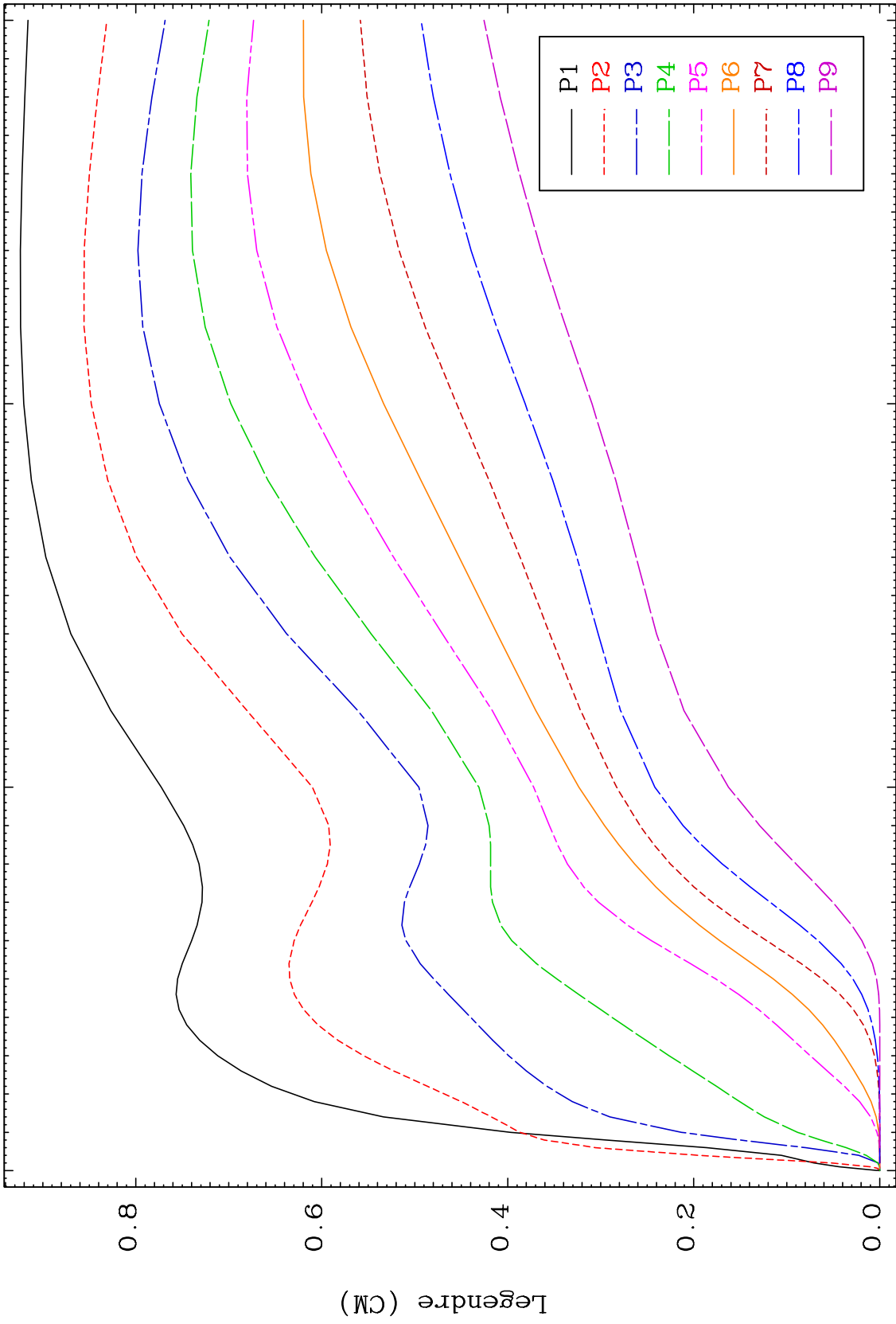
72-Hf-158



72-Hf-158

Elastic Legendre Coefficients

MAT 7177



72-Hf-158

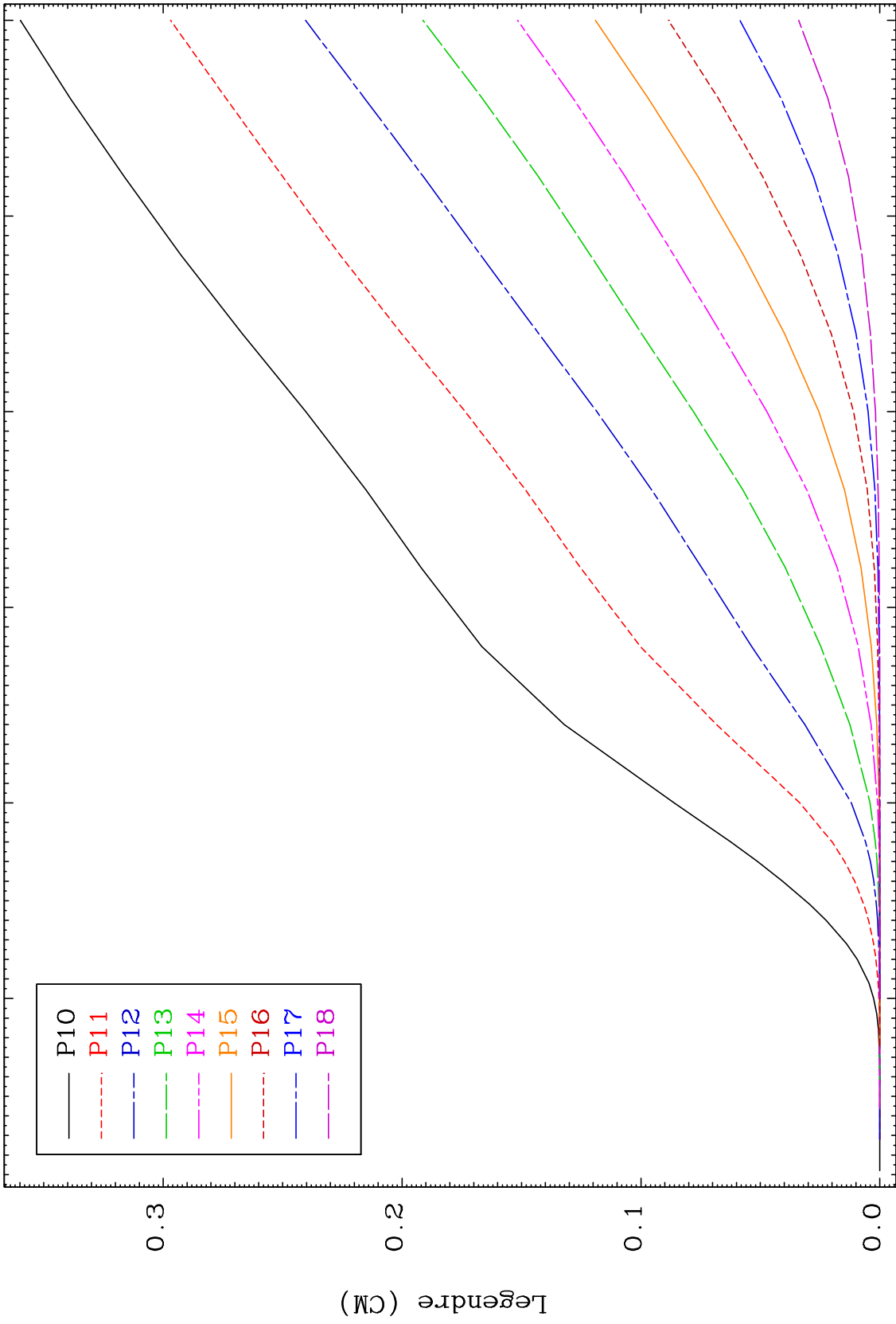
Incident Energy (MeV)

16

MAT 7177

Elastic Legendre Coefficients

72-Hf-158



17

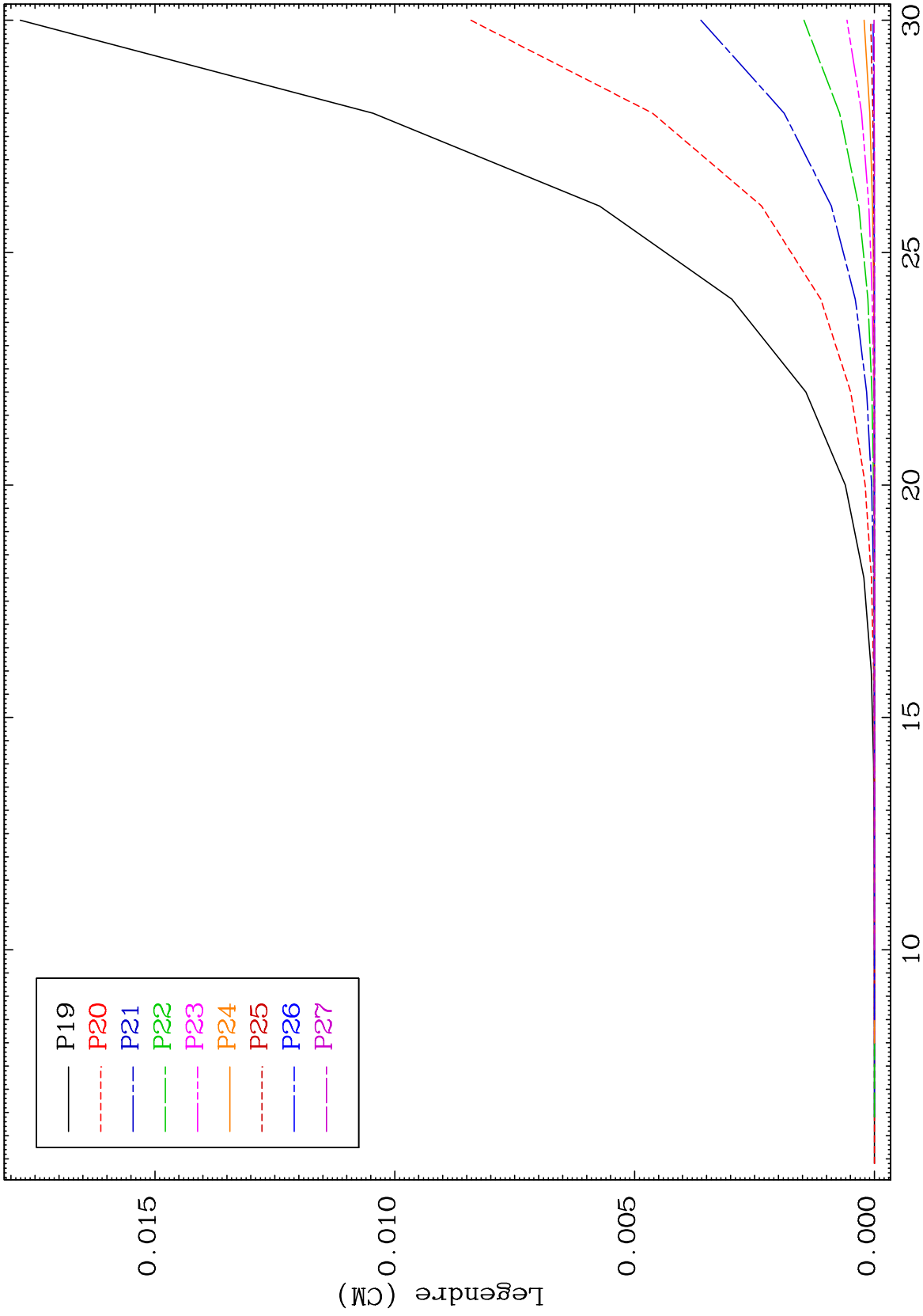
Incident Energy (MeV)

72-Hf-158

MAT 7177

Elastic
Legendre Coefficients

72-Hf-158



18

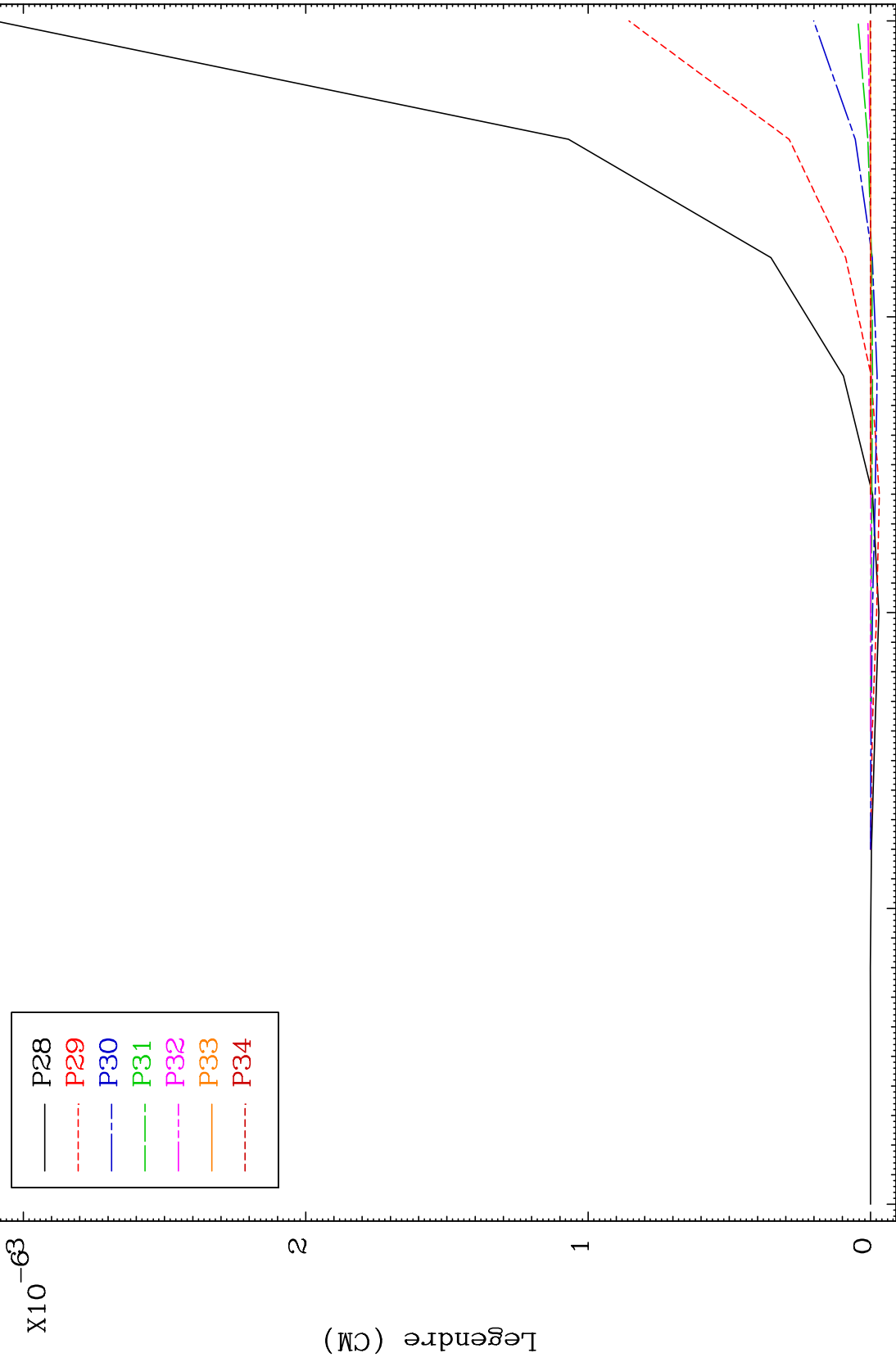
Incident Energy (MeV)

72-Hf-158

MAT 7177

Elastic Legendre Coefficients

72-Hf-158



19

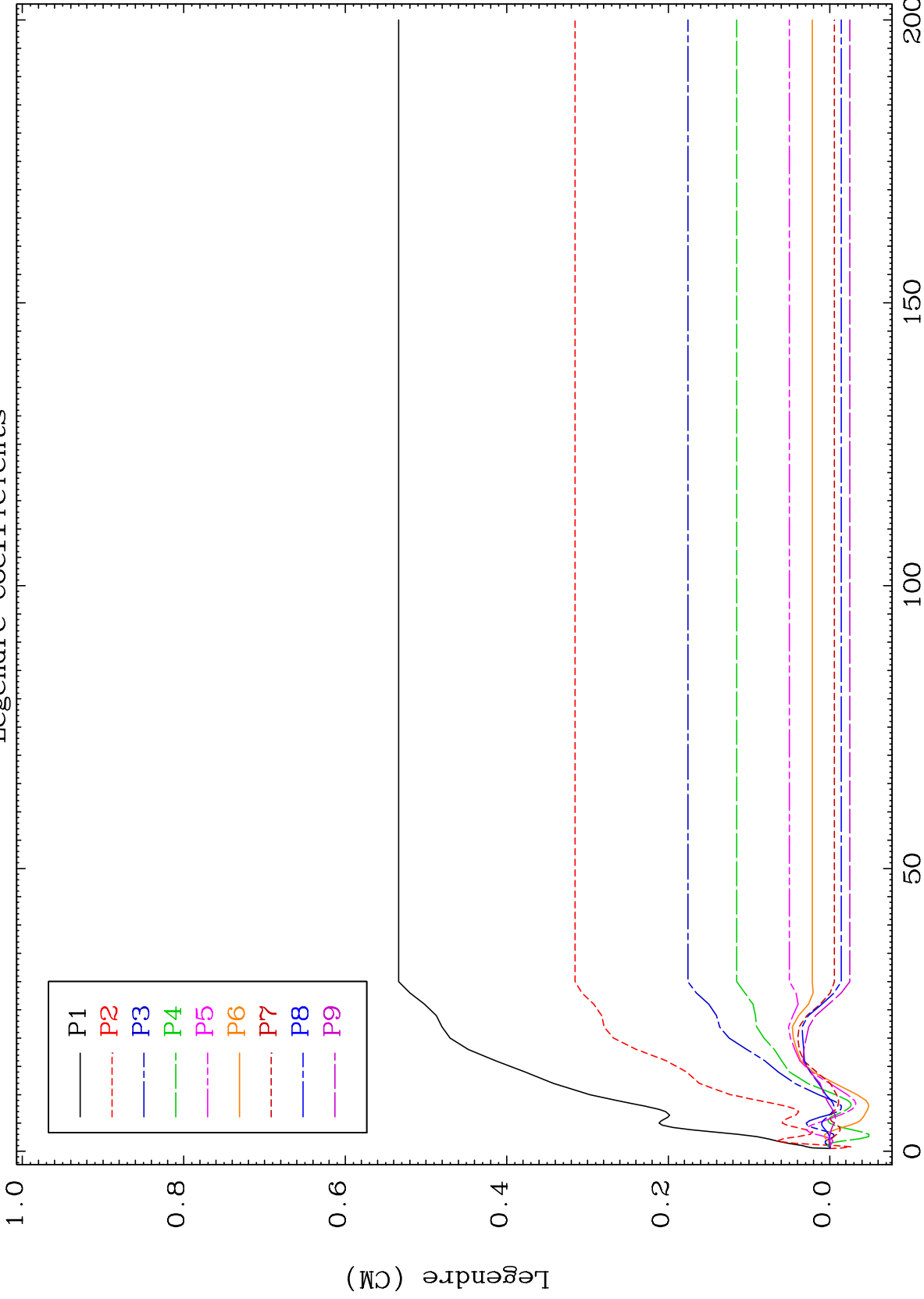
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



72-Hf-158

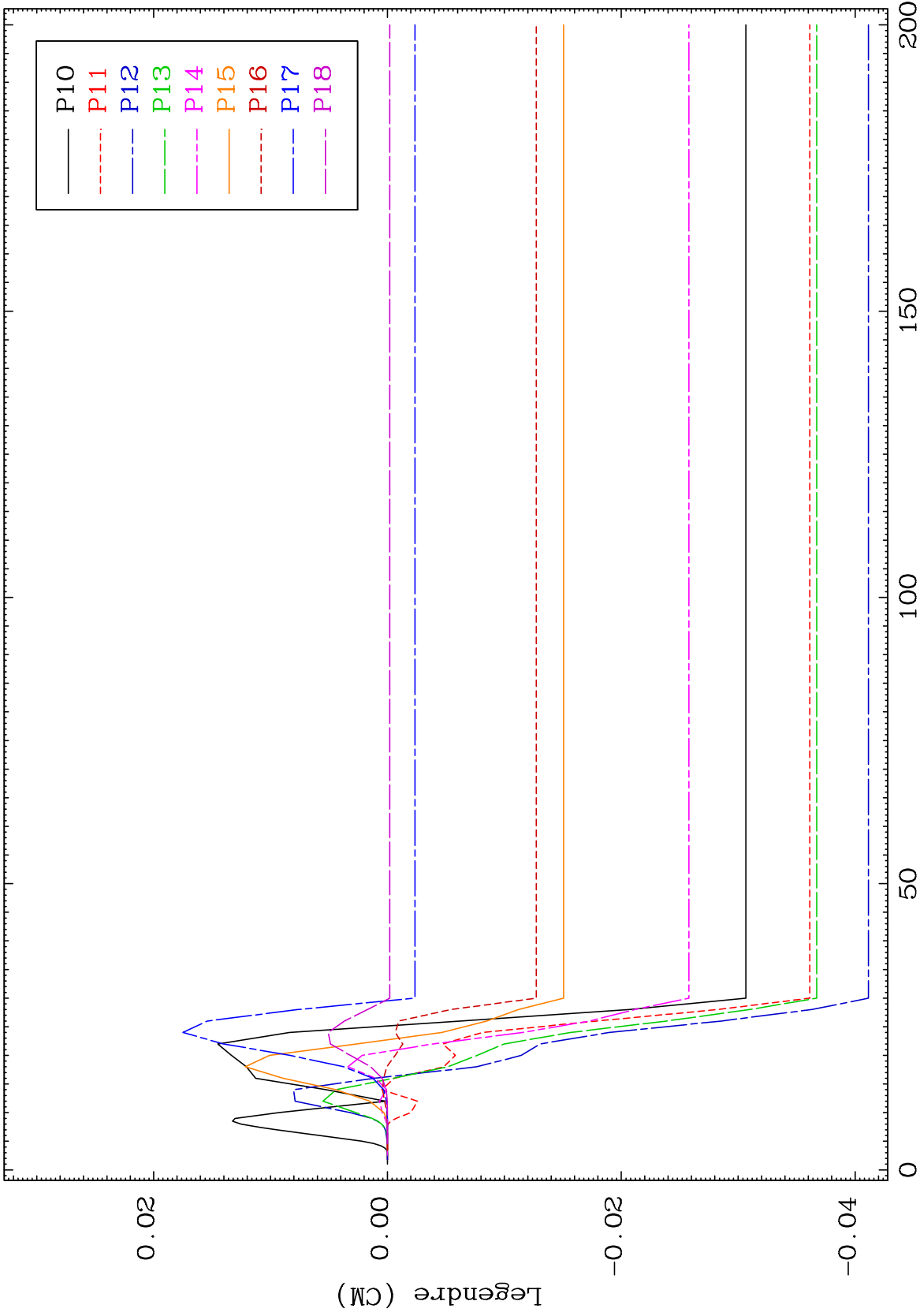
Incident Energy (MeV)

20

MAT 7177

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

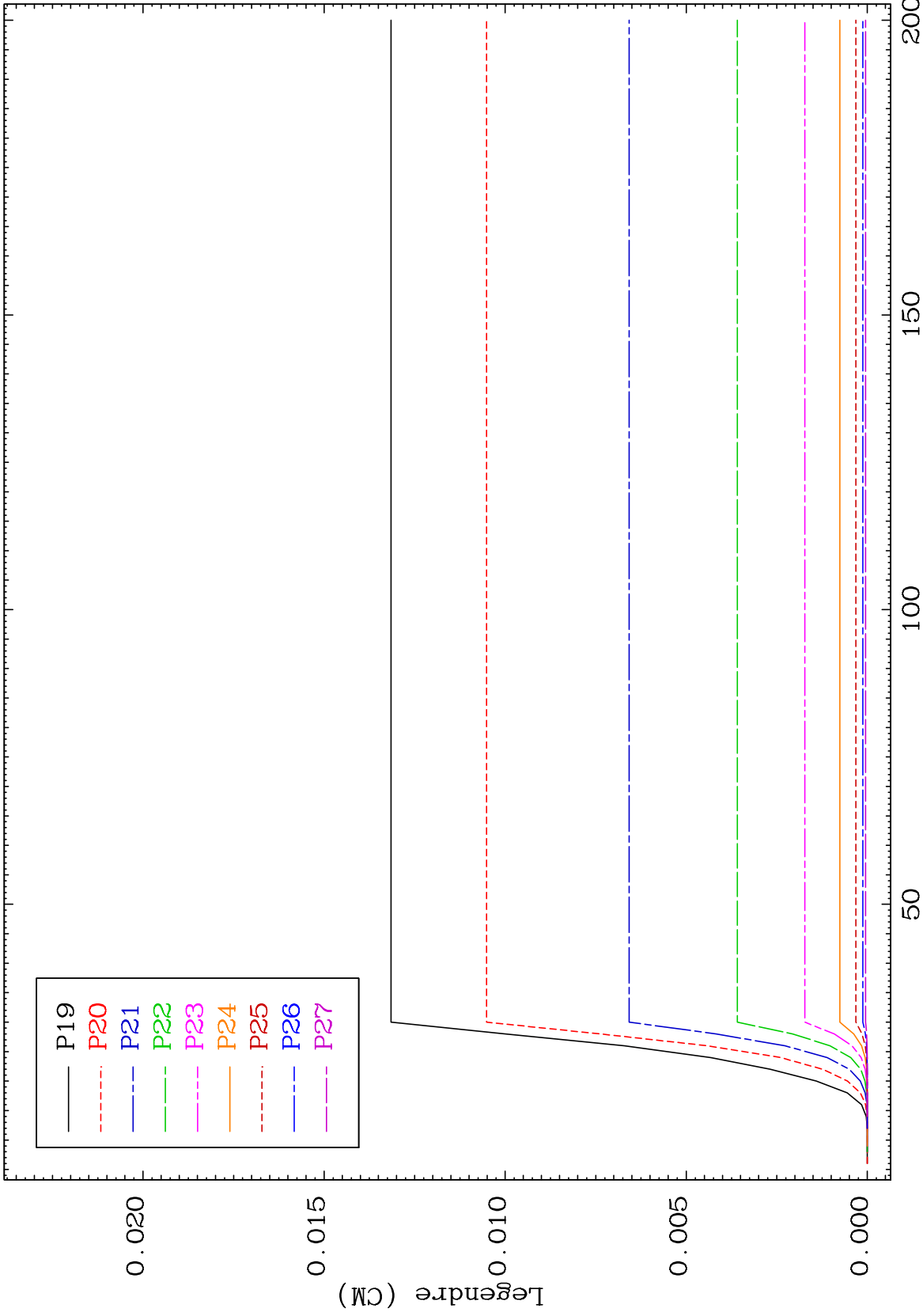
72-Hf-158



21

Incident Energy (MeV)

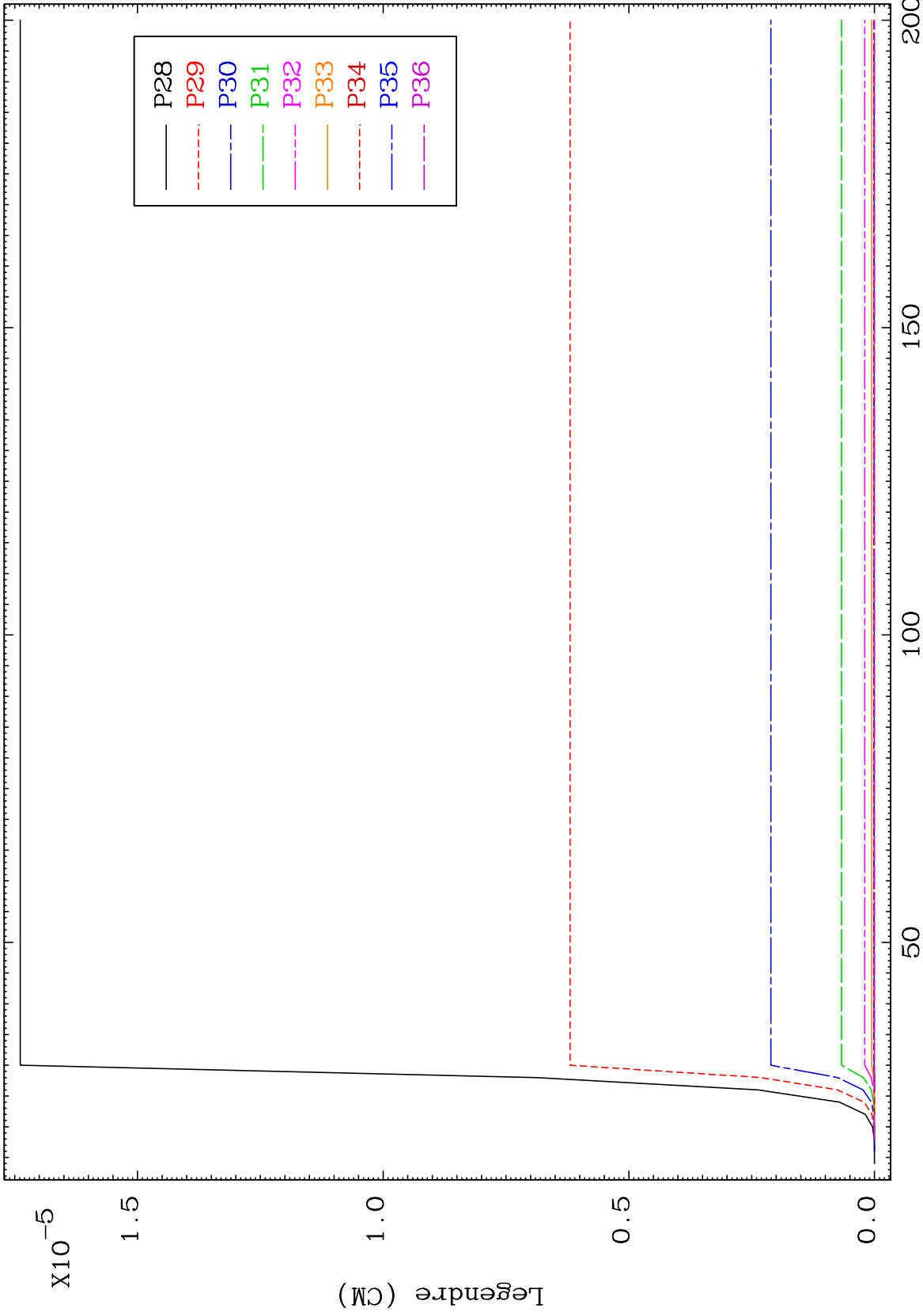
72-Hf-158



MAT 7177

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

72-Hf-158



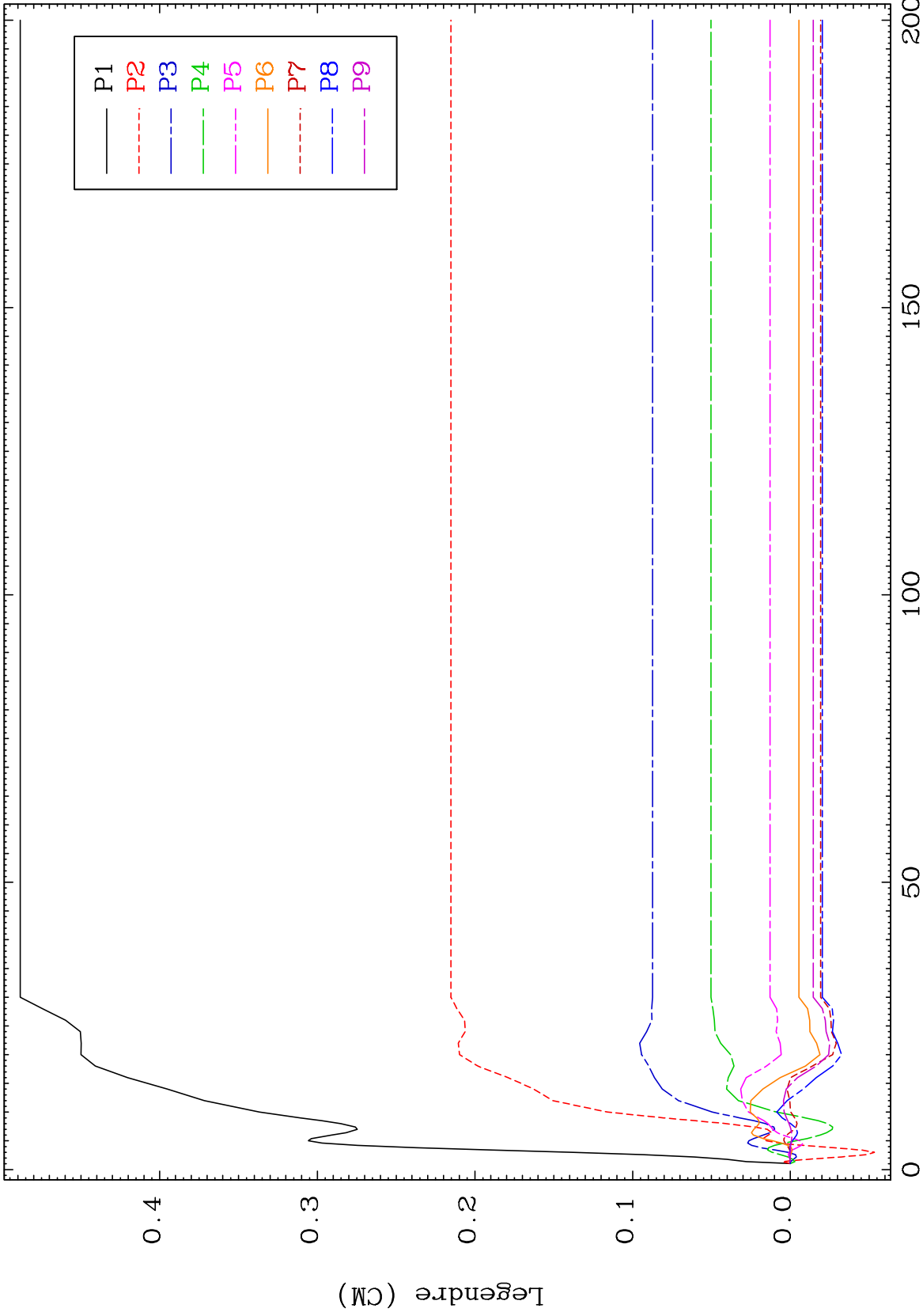
23

72-Hf-158

MAT 7177

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

72-Hf-158



24

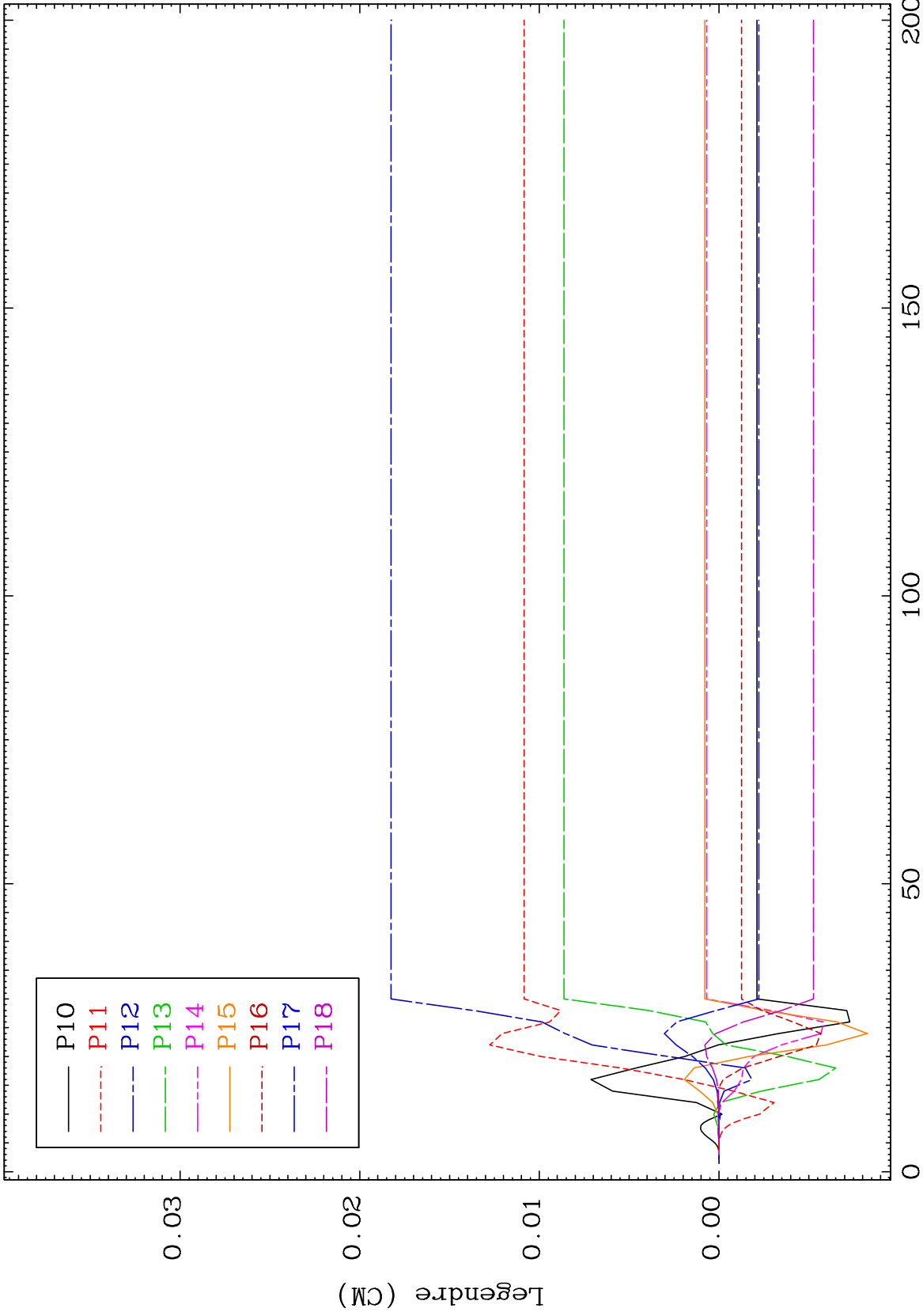
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

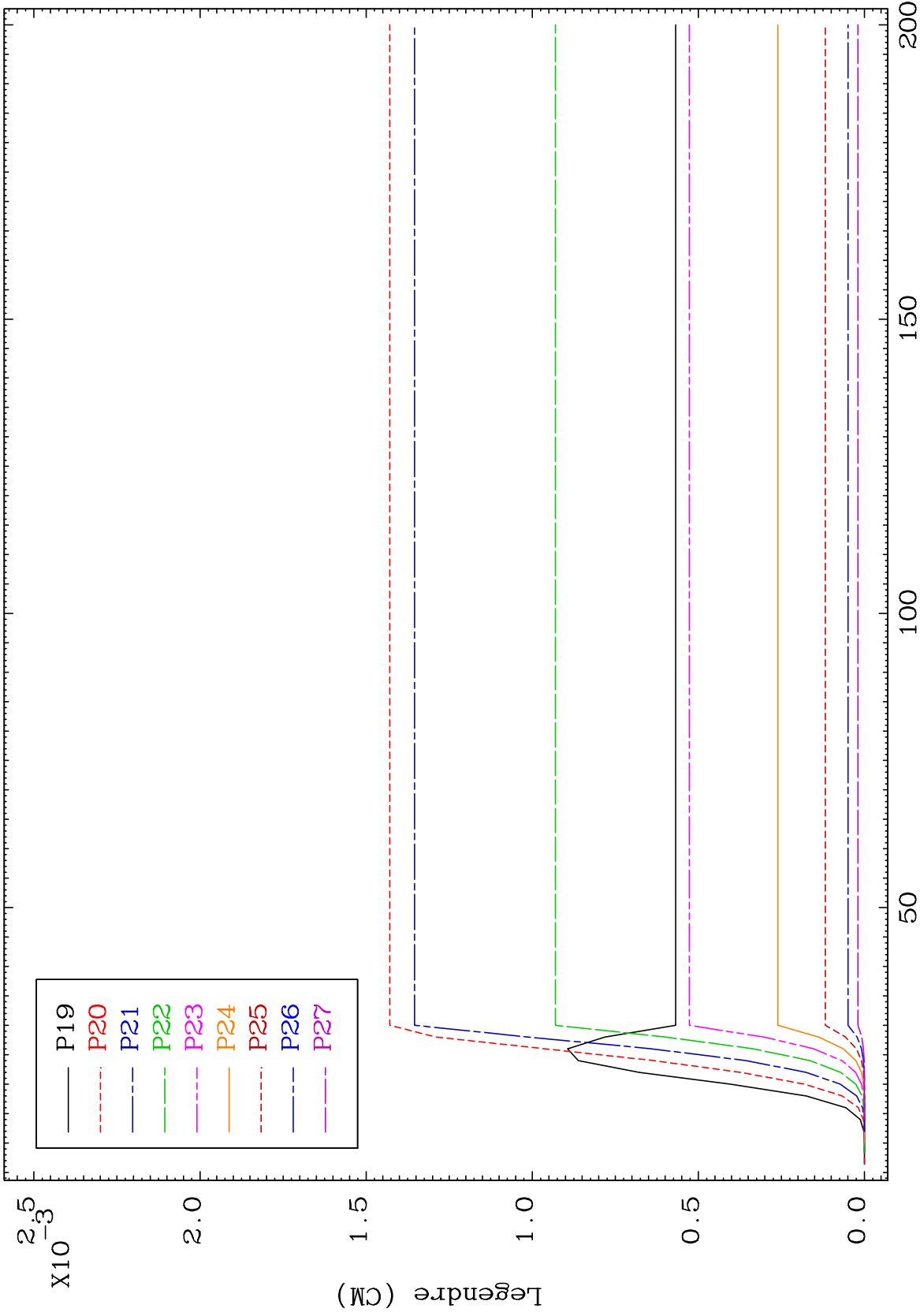
72-Hf-158



25

Incident Energy (MeV)

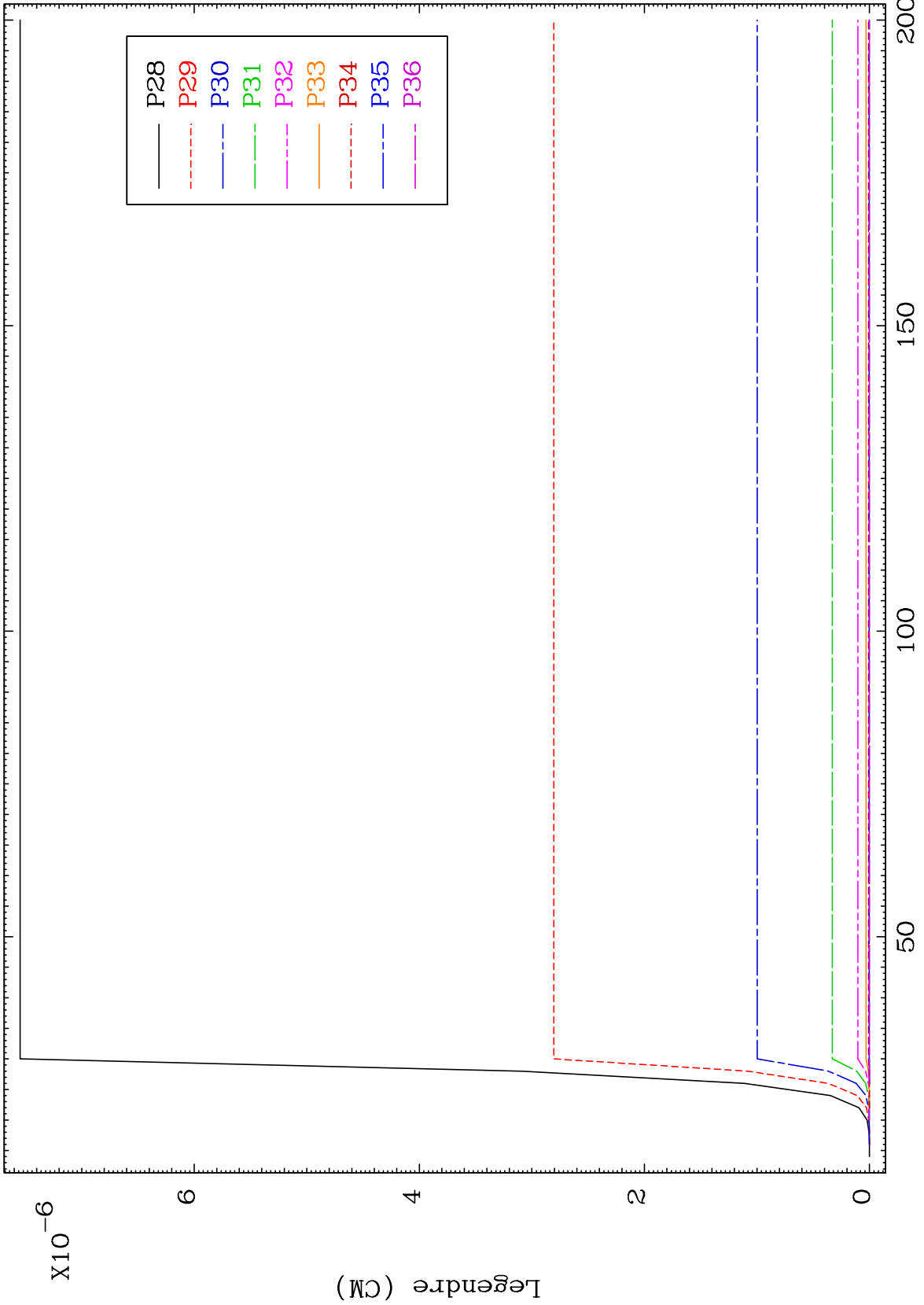
72-Hf-158



MAT 7177

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

72-Hf-158



27

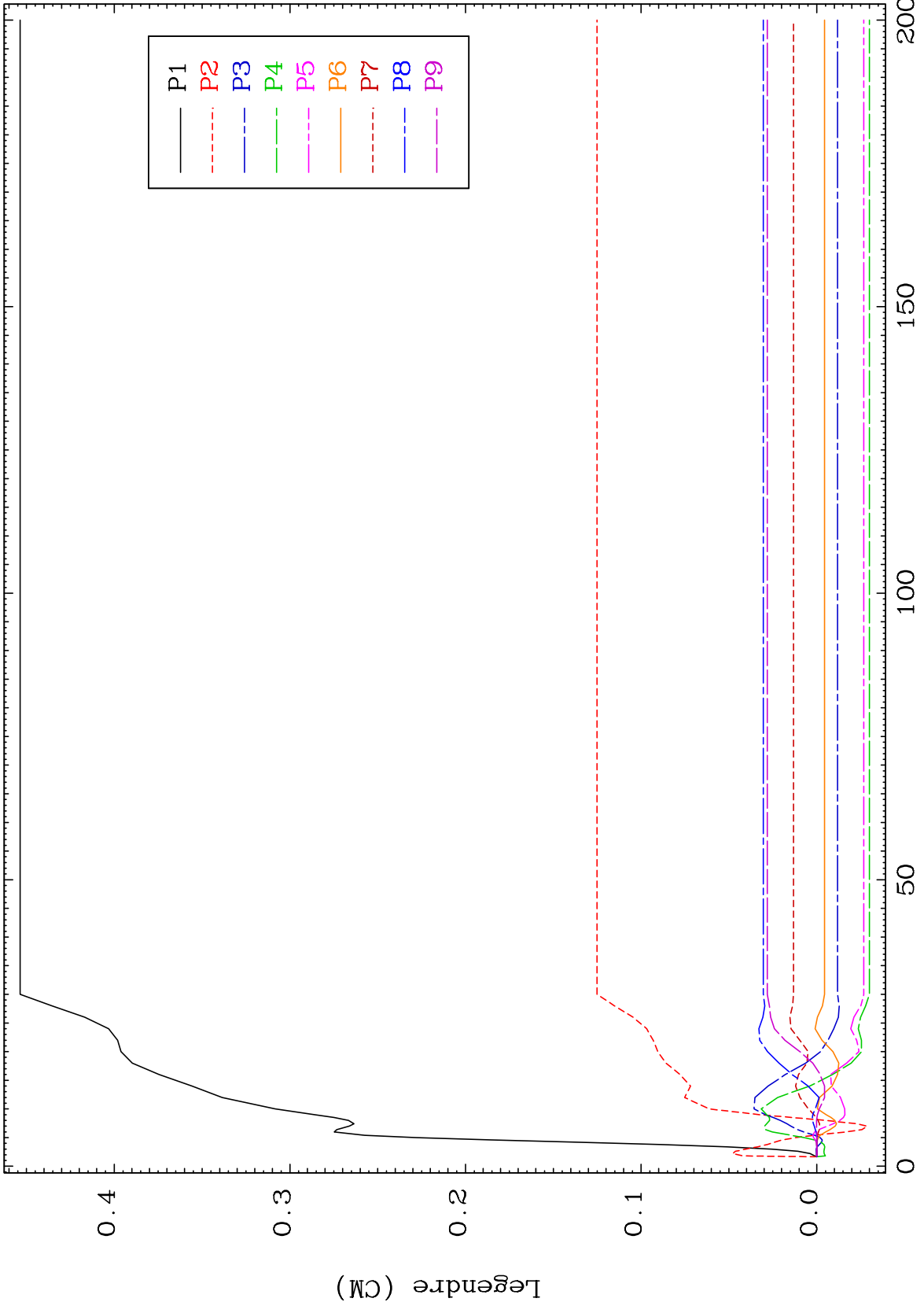
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

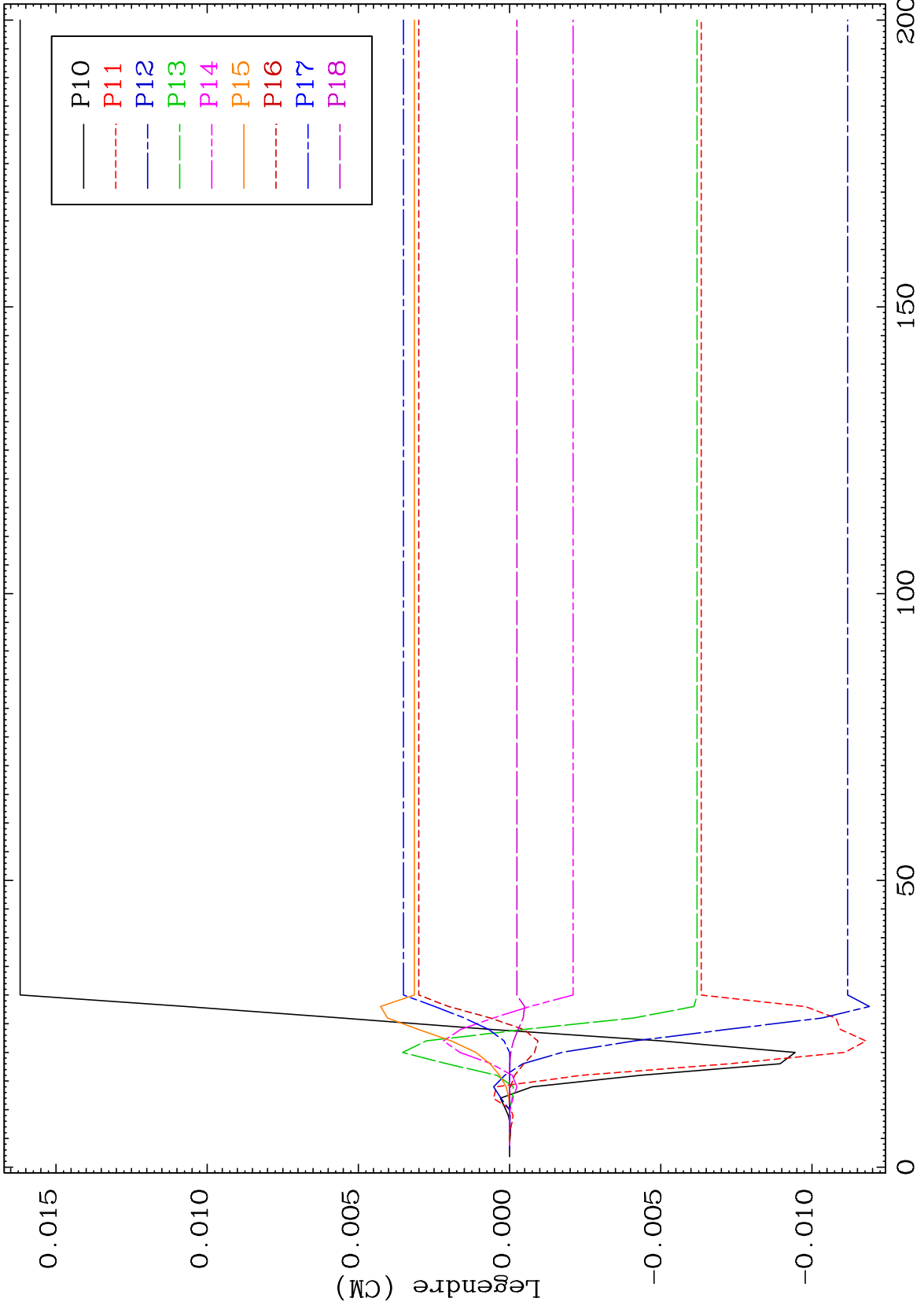
72-Hf-158



28

Incident Energy (MeV)

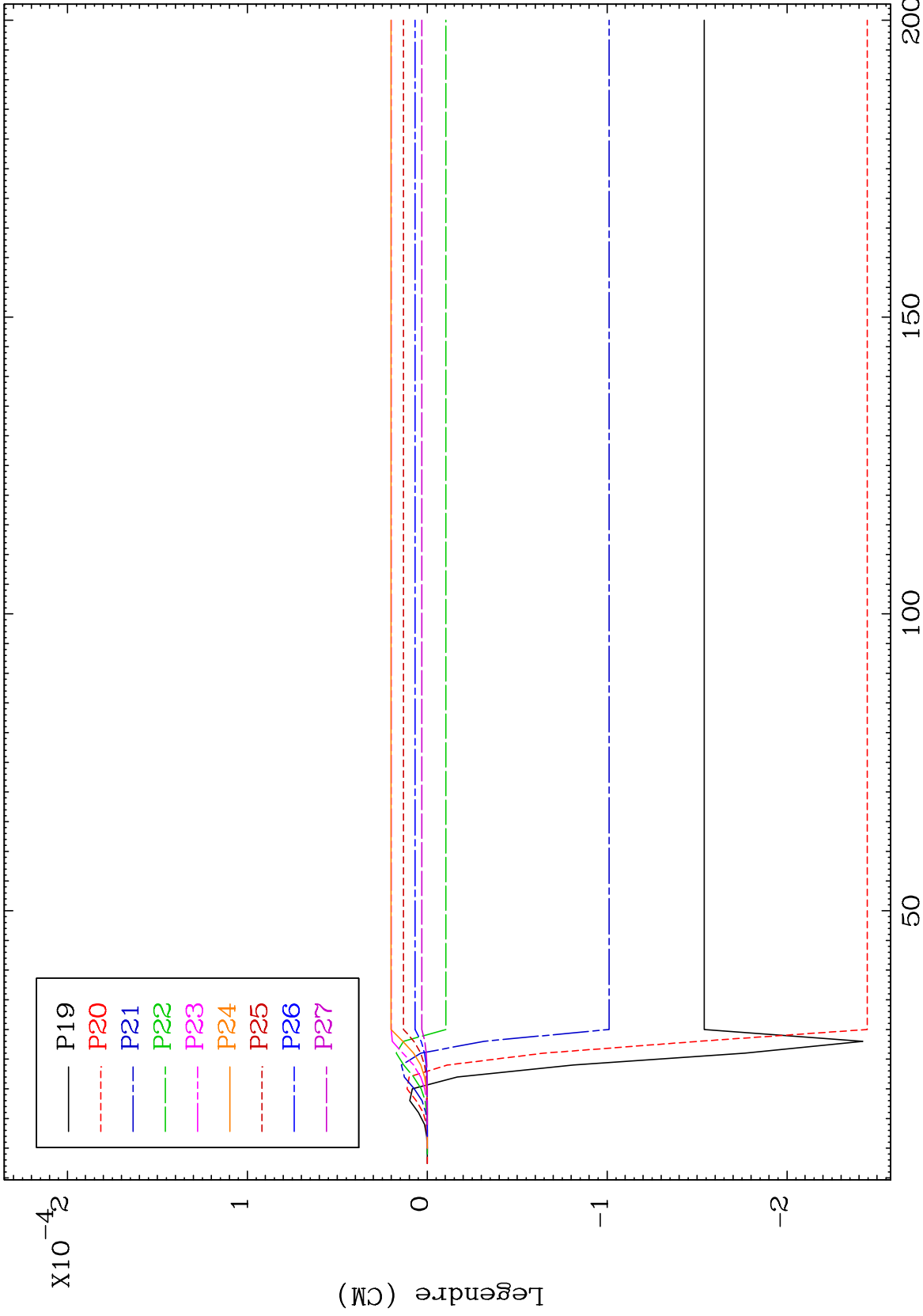
72-Hf-158



MAT 7177

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

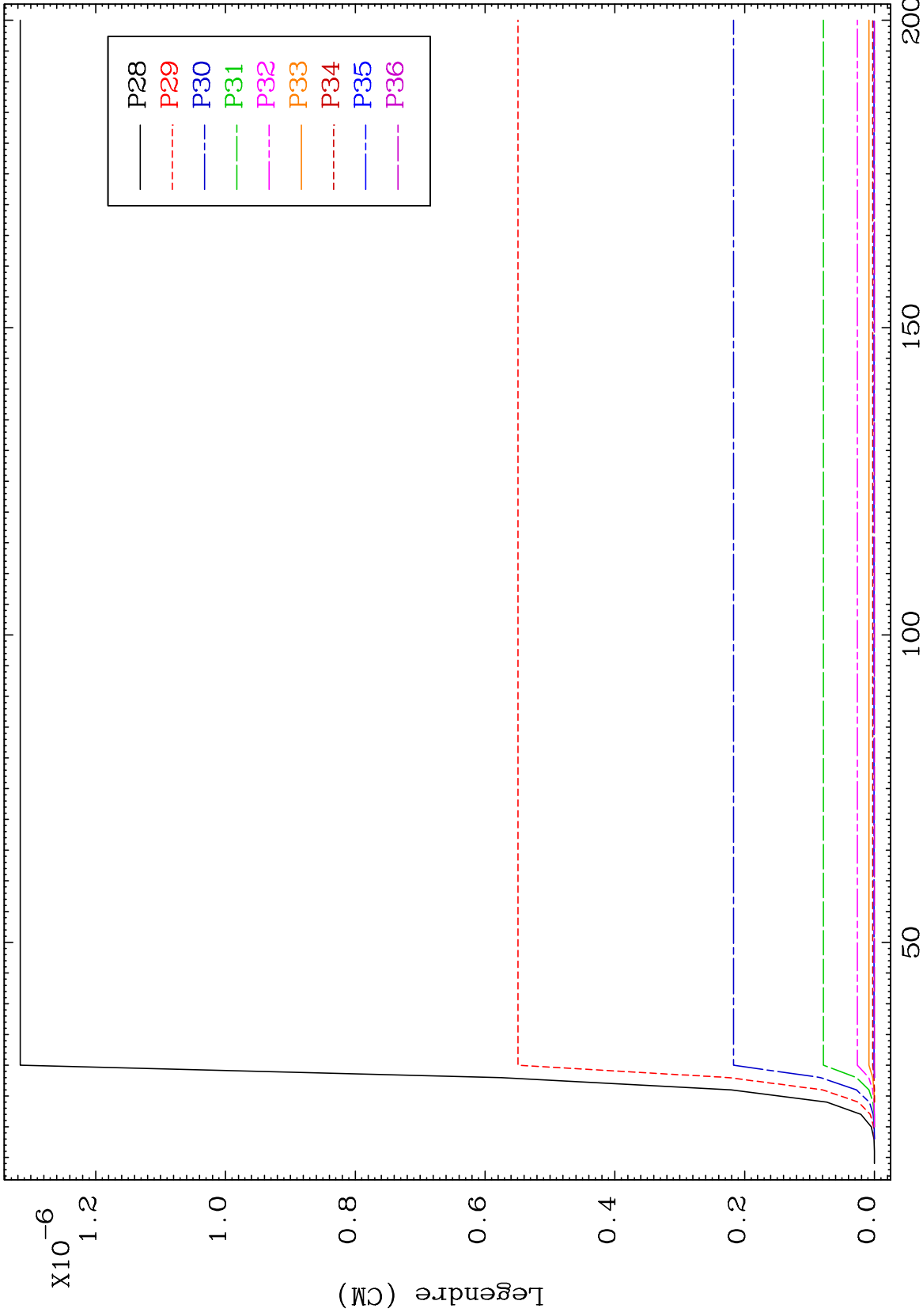
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30

Incident Energy (MeV)

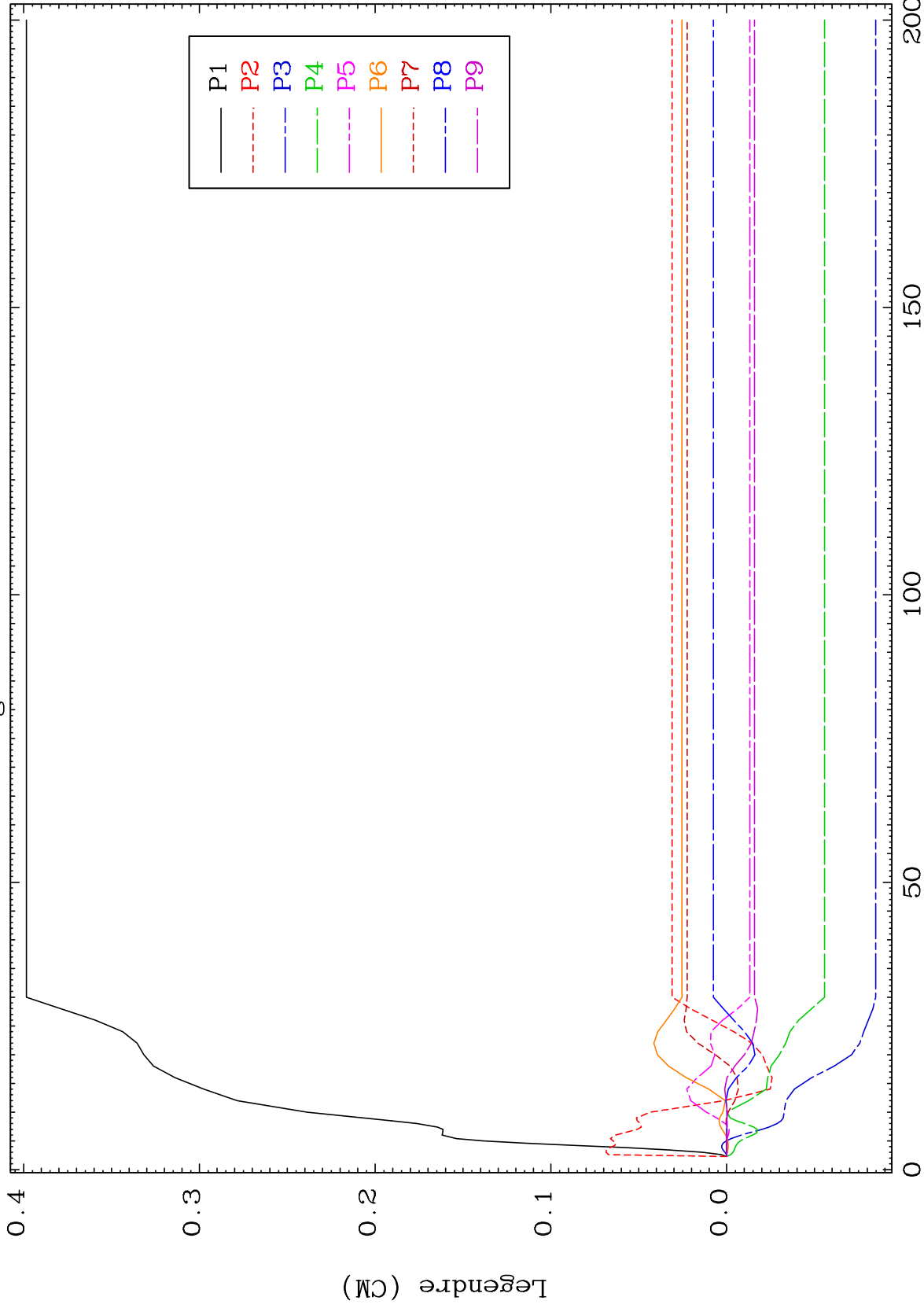
72-Hf-158



MAT 7177

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

72-Hf-158



32

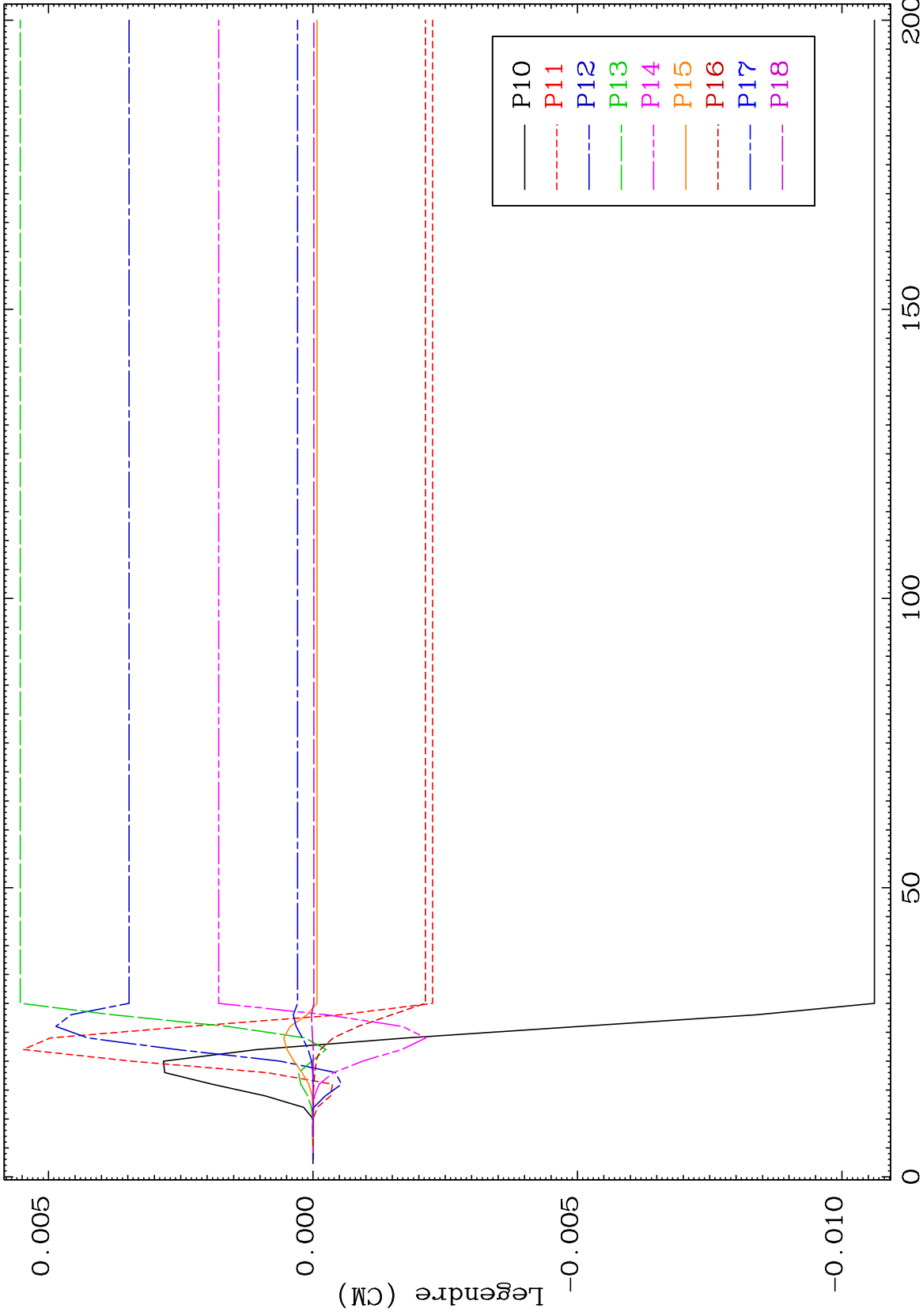
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



33

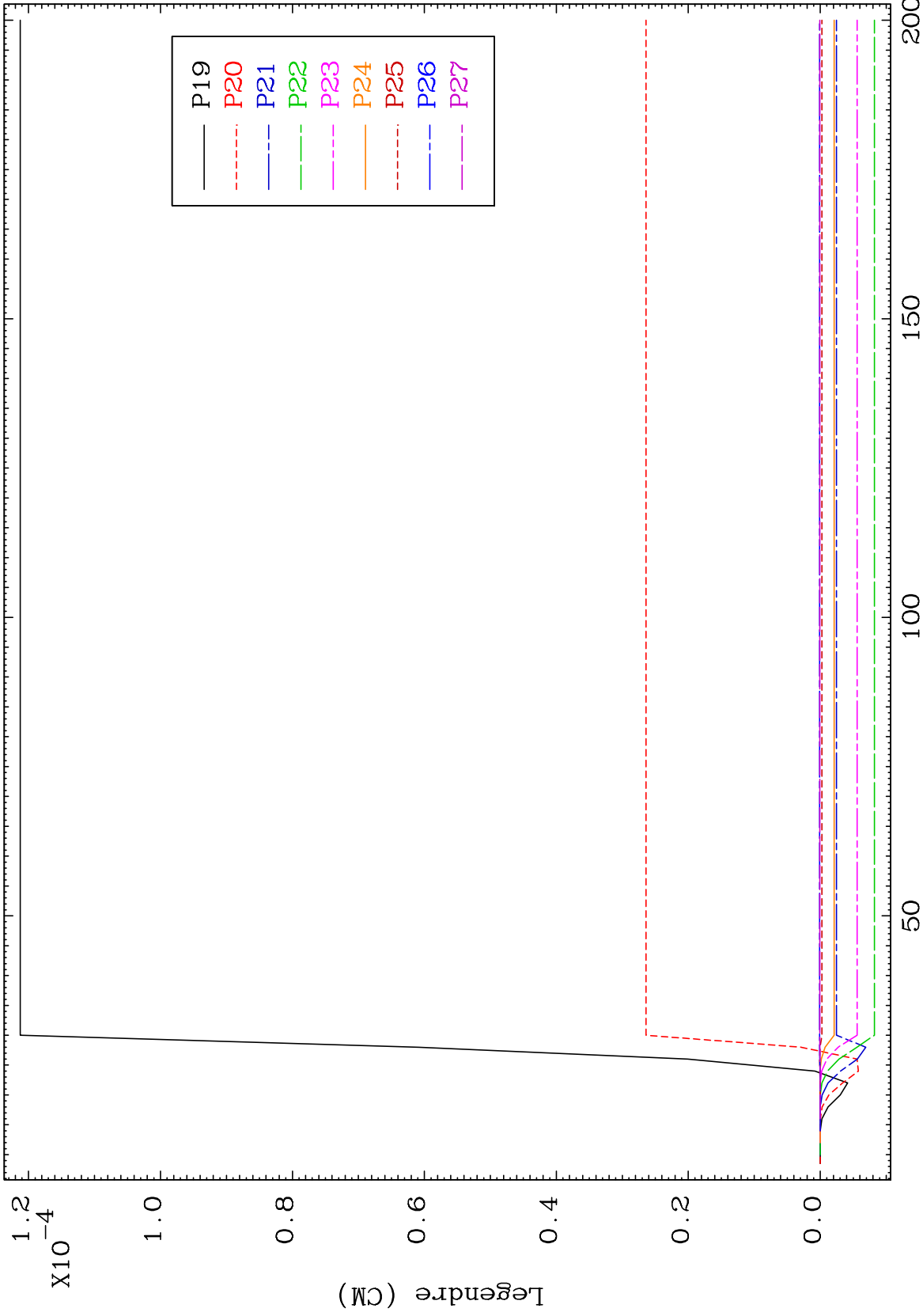
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



34

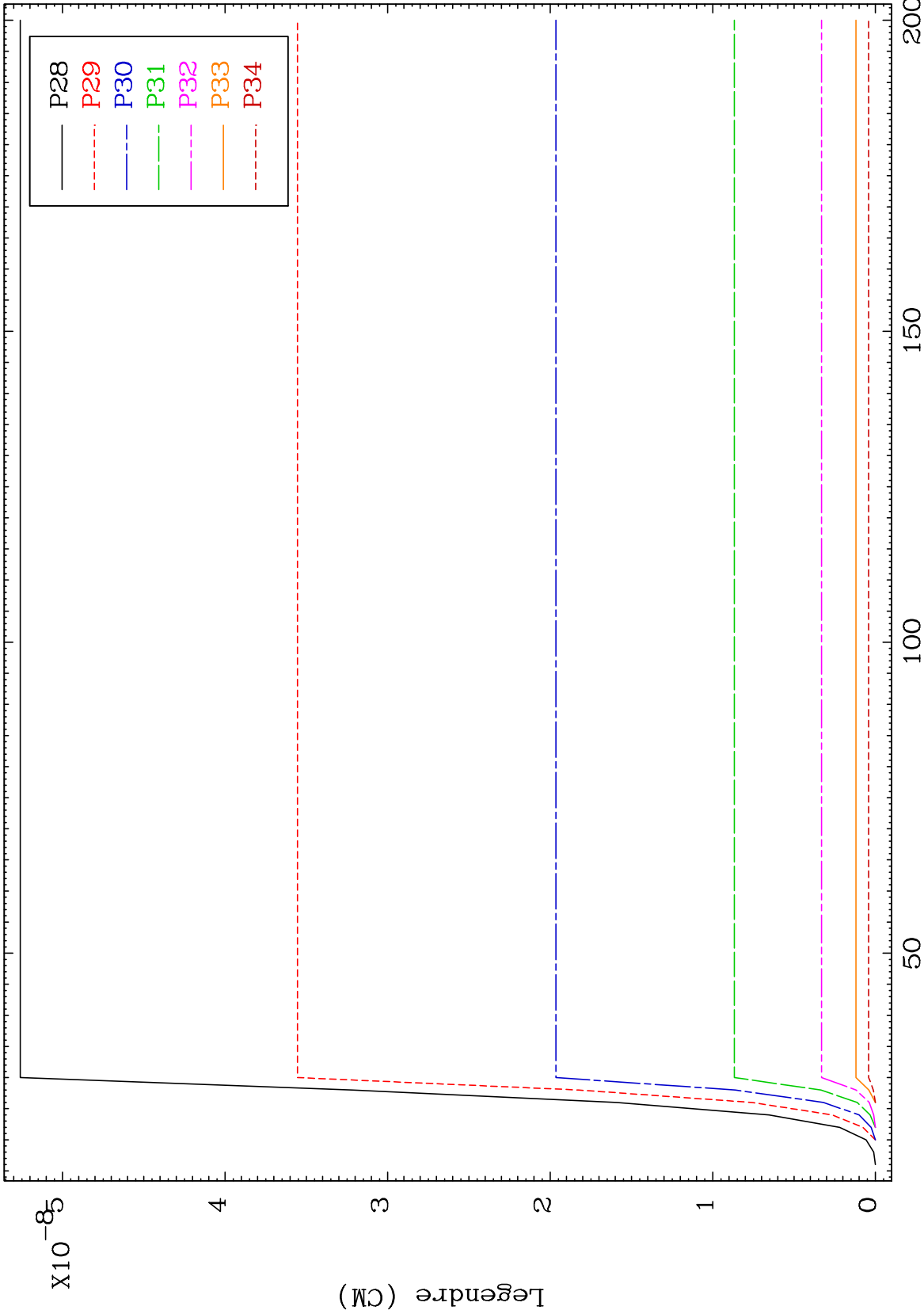
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

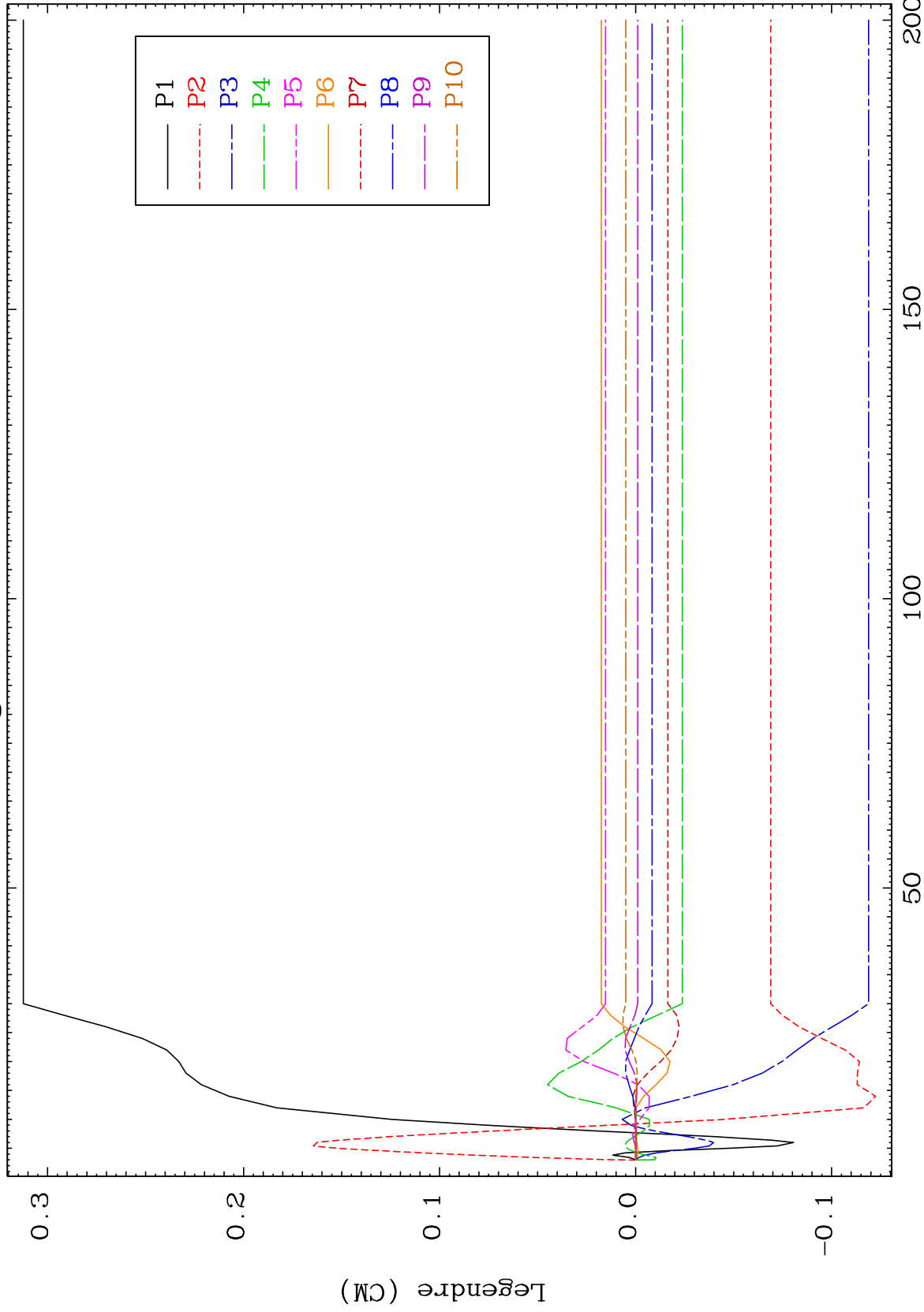
72-Hf-158



35

Incident Energy (MeV)

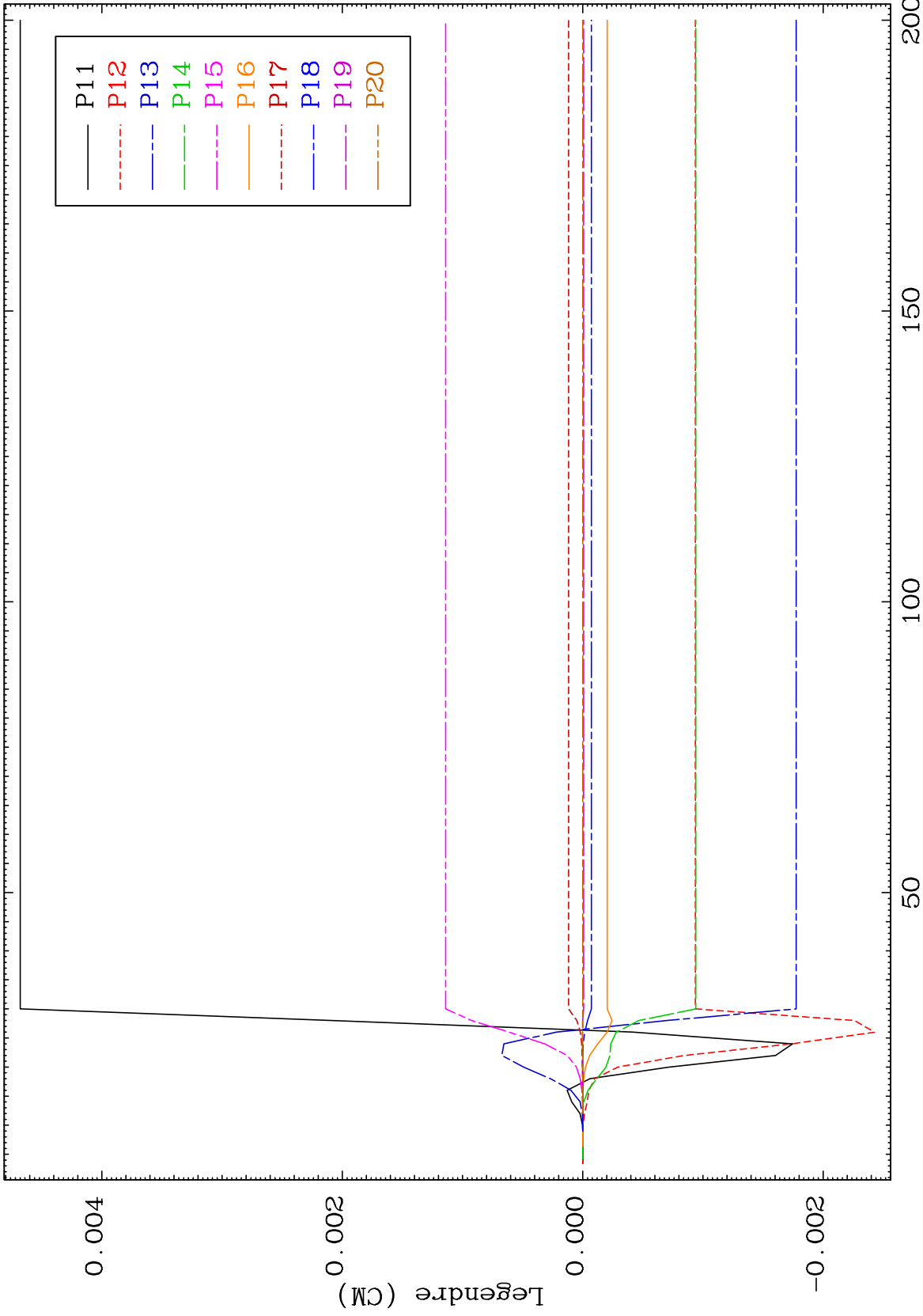
72-Hf-158



MAT 7177

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

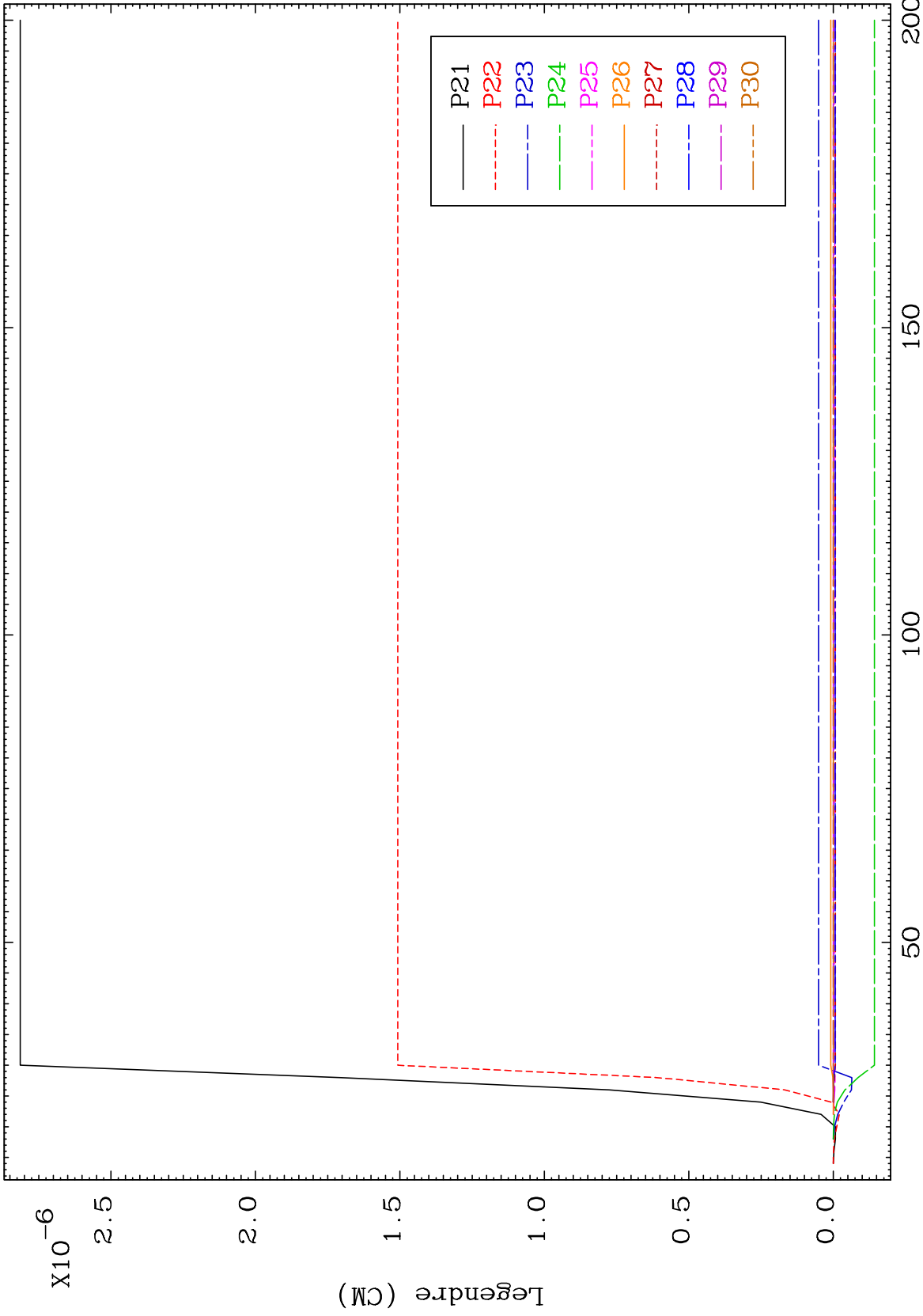
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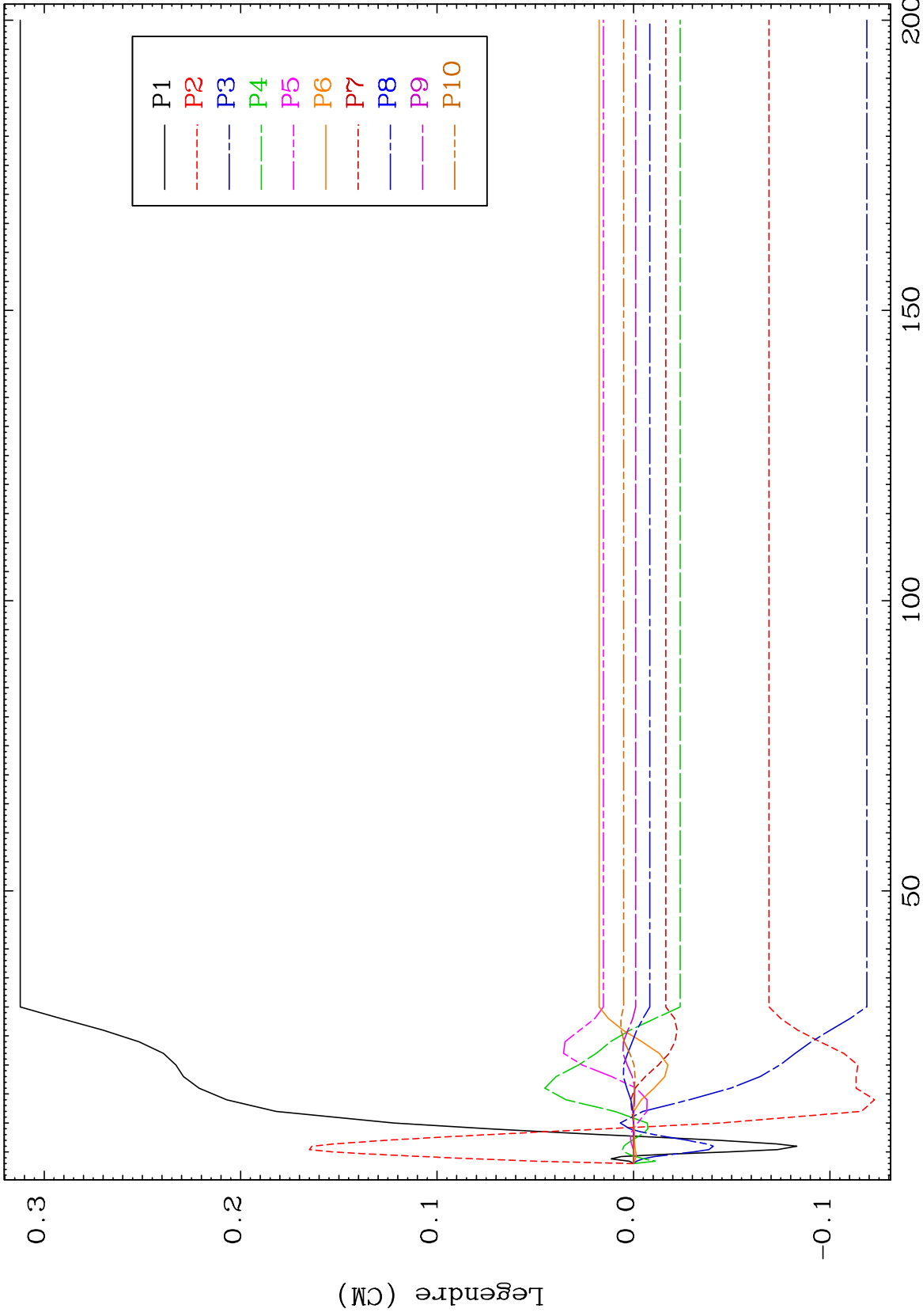


37

Incident Energy (MeV)

72-Hf-158

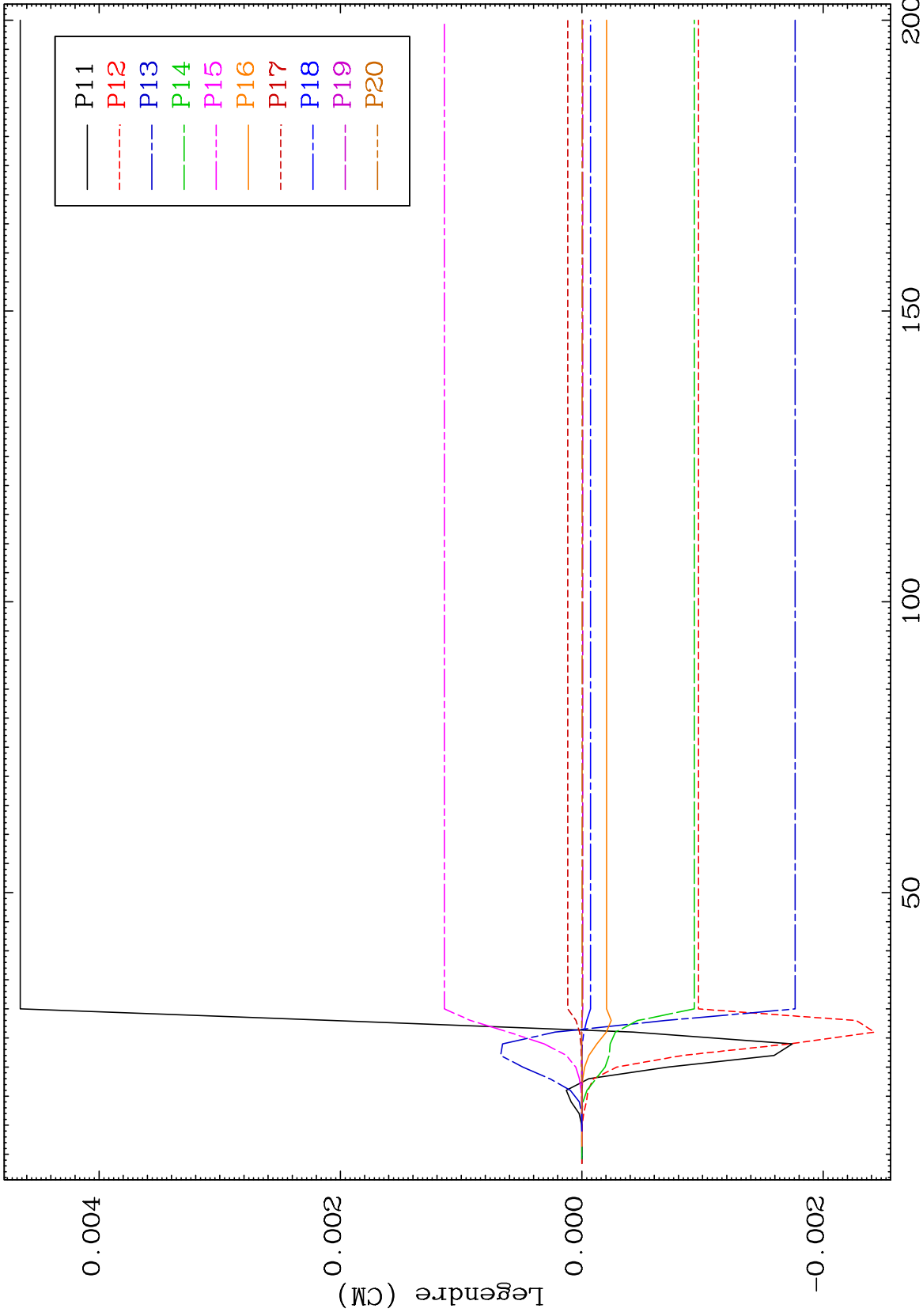




MAT 7177

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

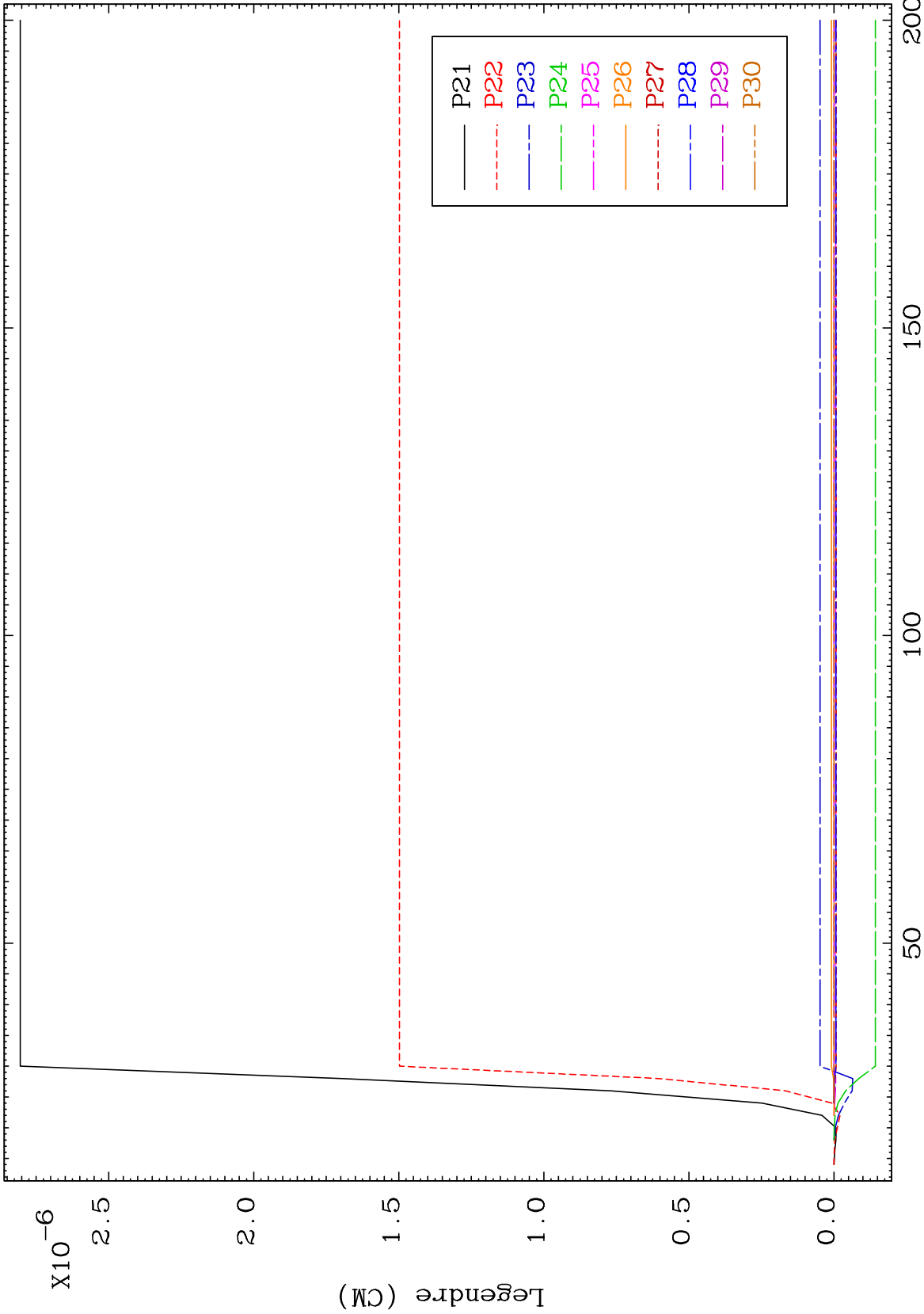
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40

Incident Energy (MeV)

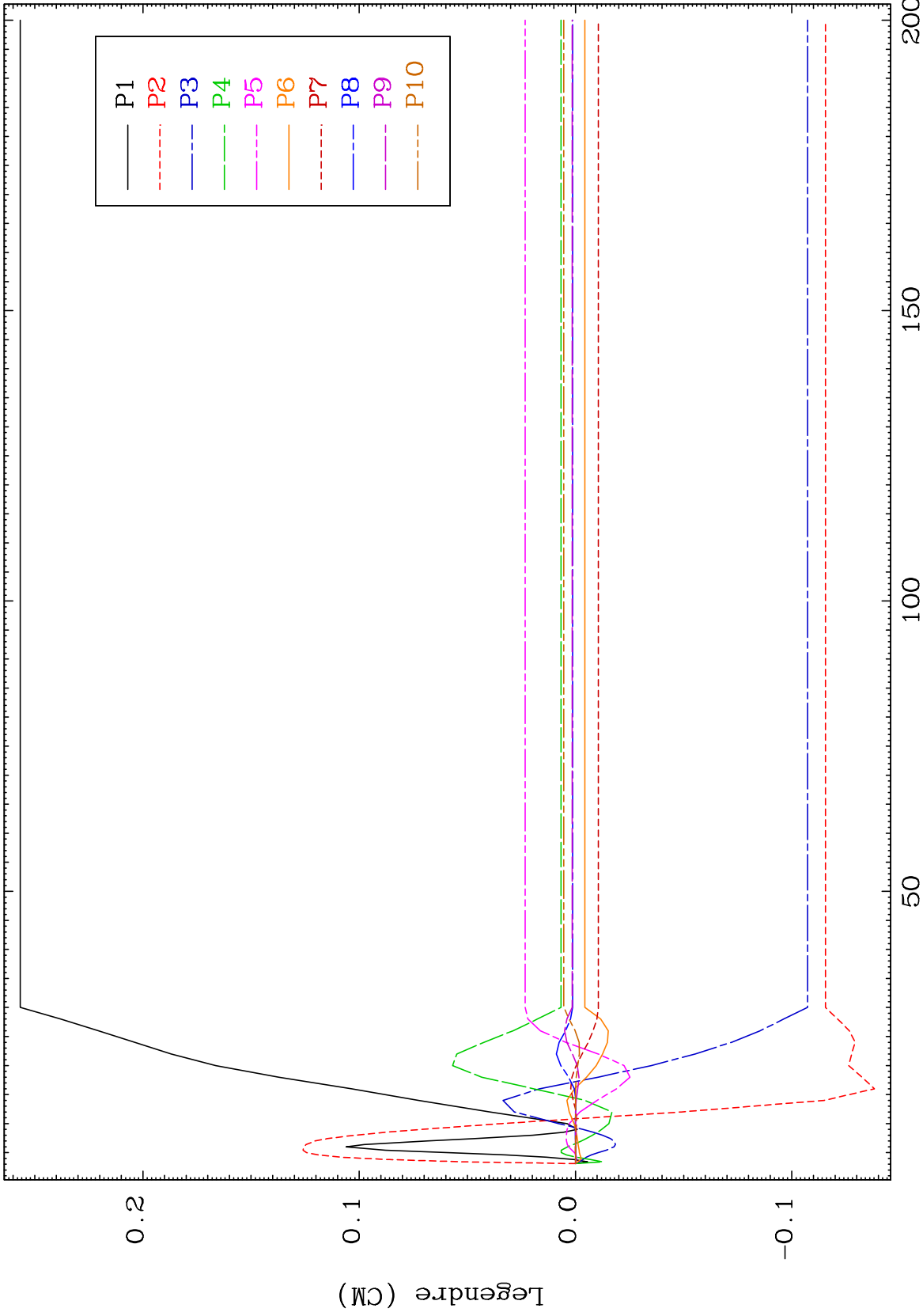
72-Hf-158



MAT 7177

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

72-Hf-158



42

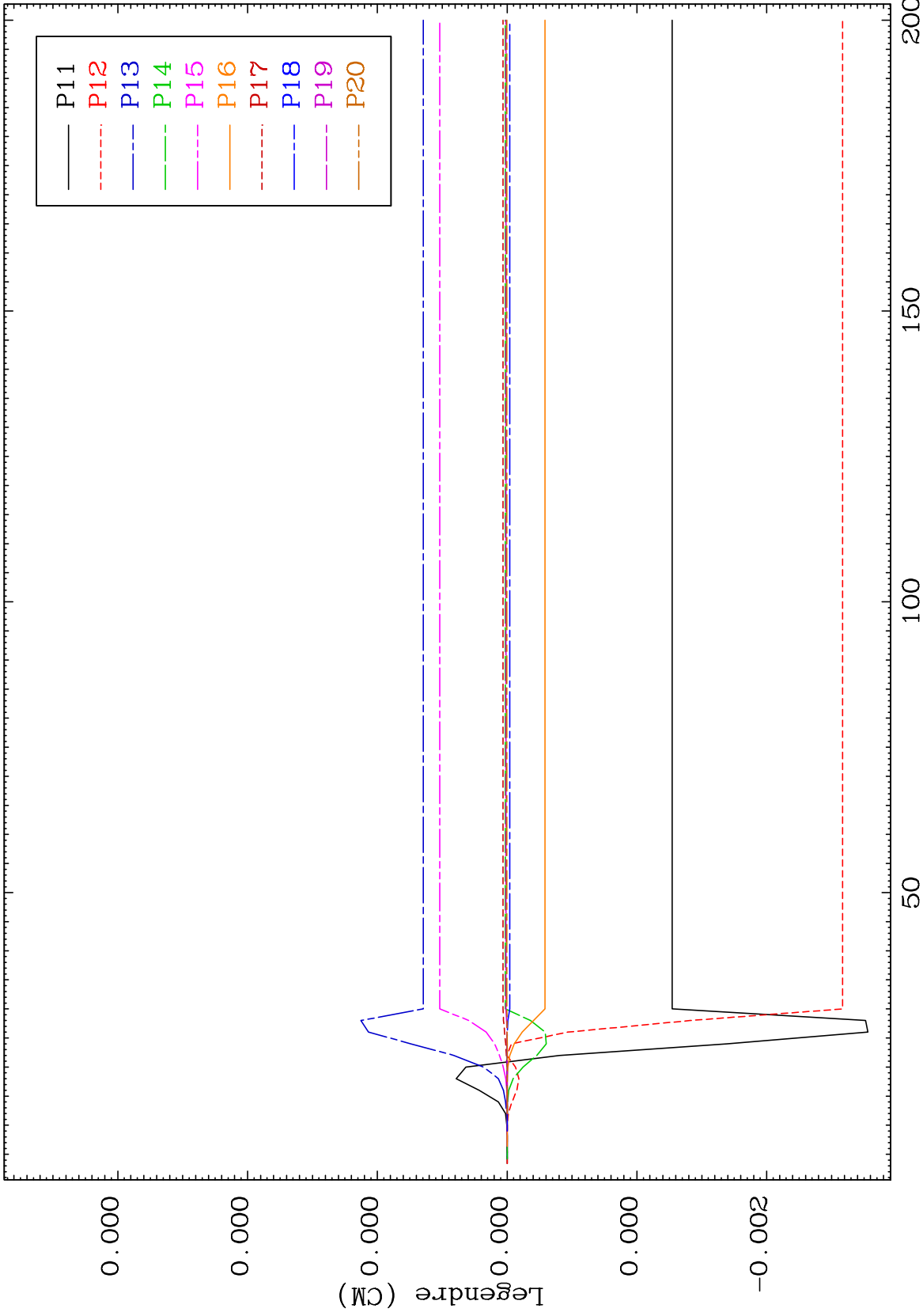
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



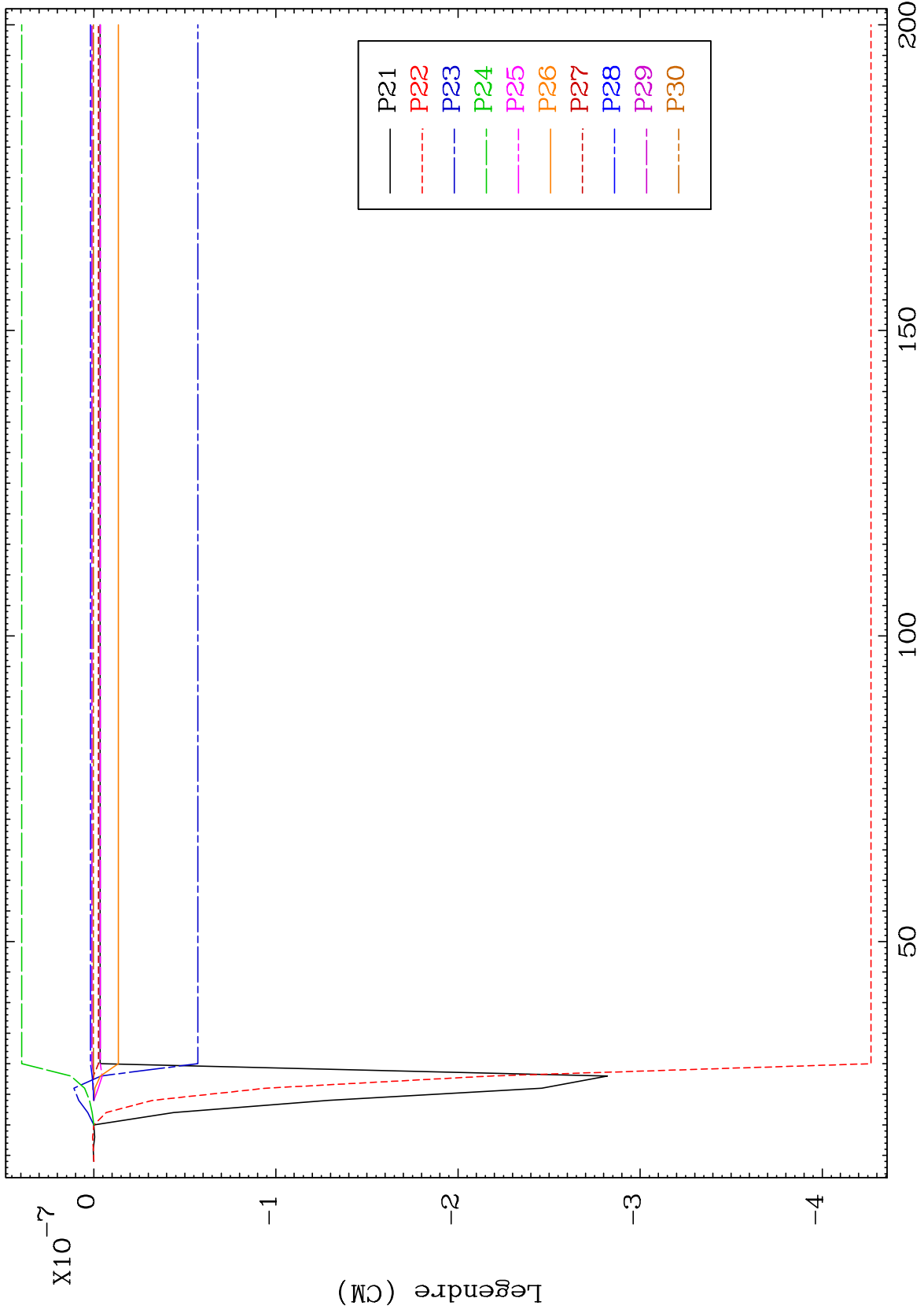
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72-Hf-158

MAT 7177

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

72-Hf-158



44

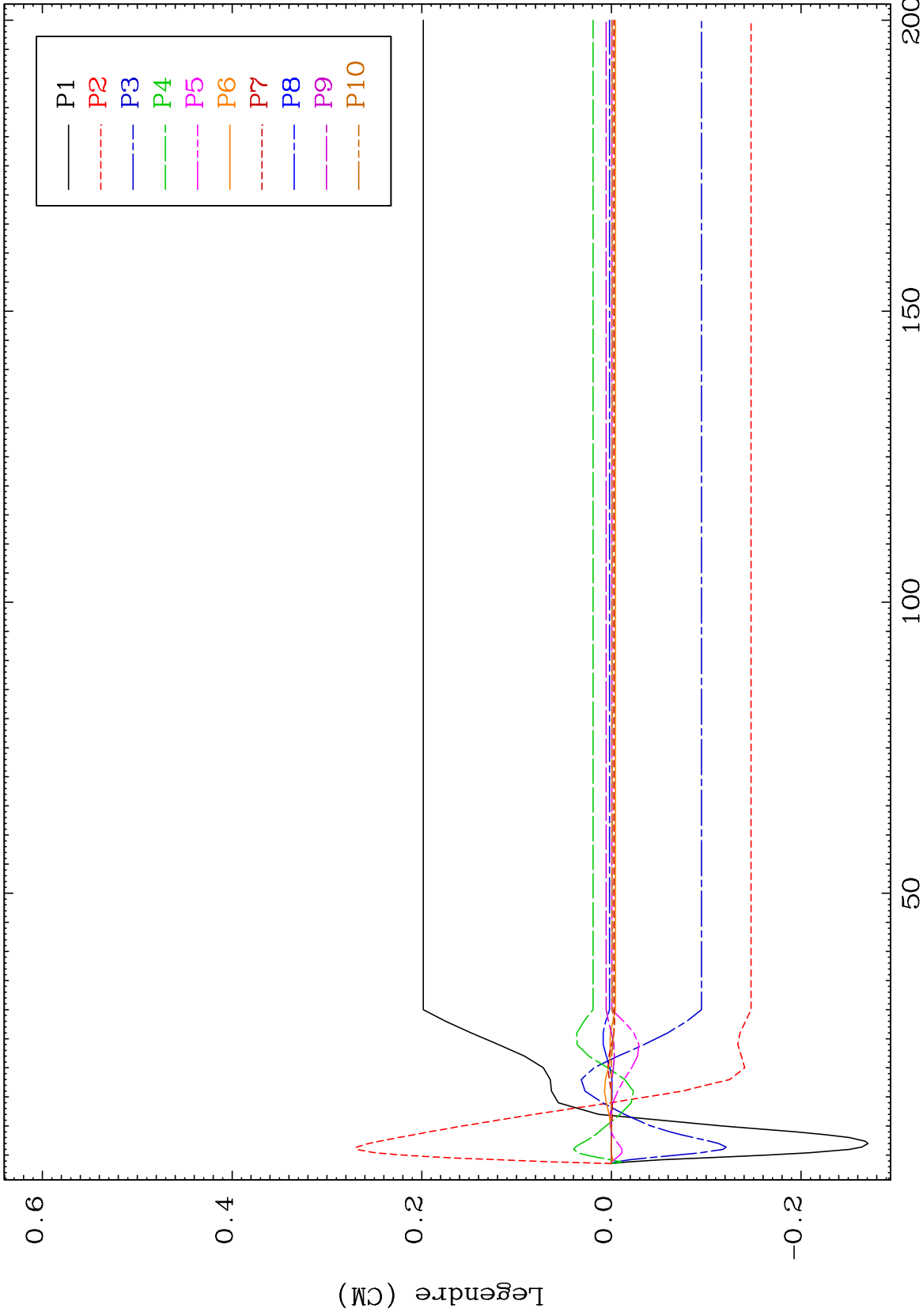
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



45

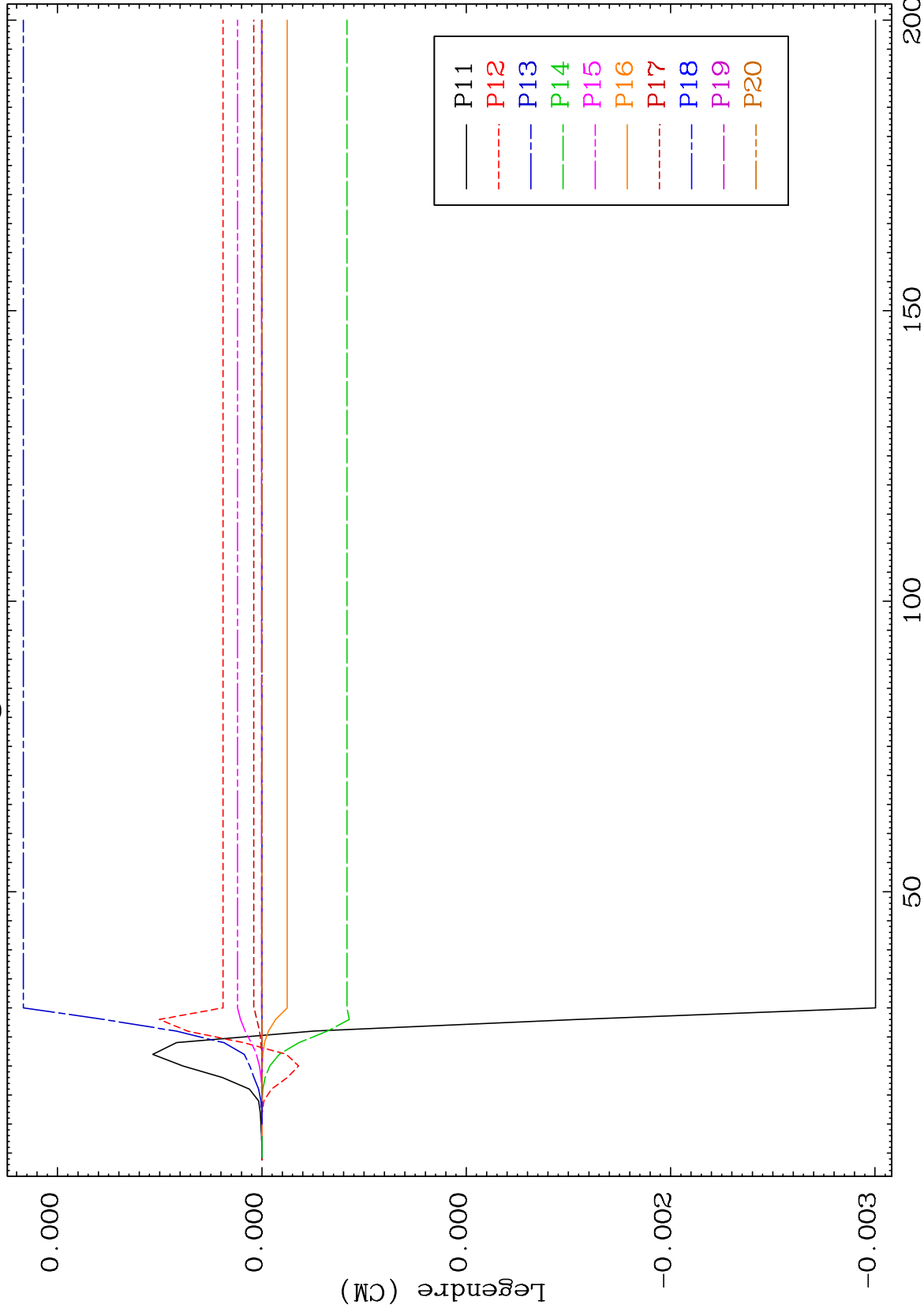
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



46

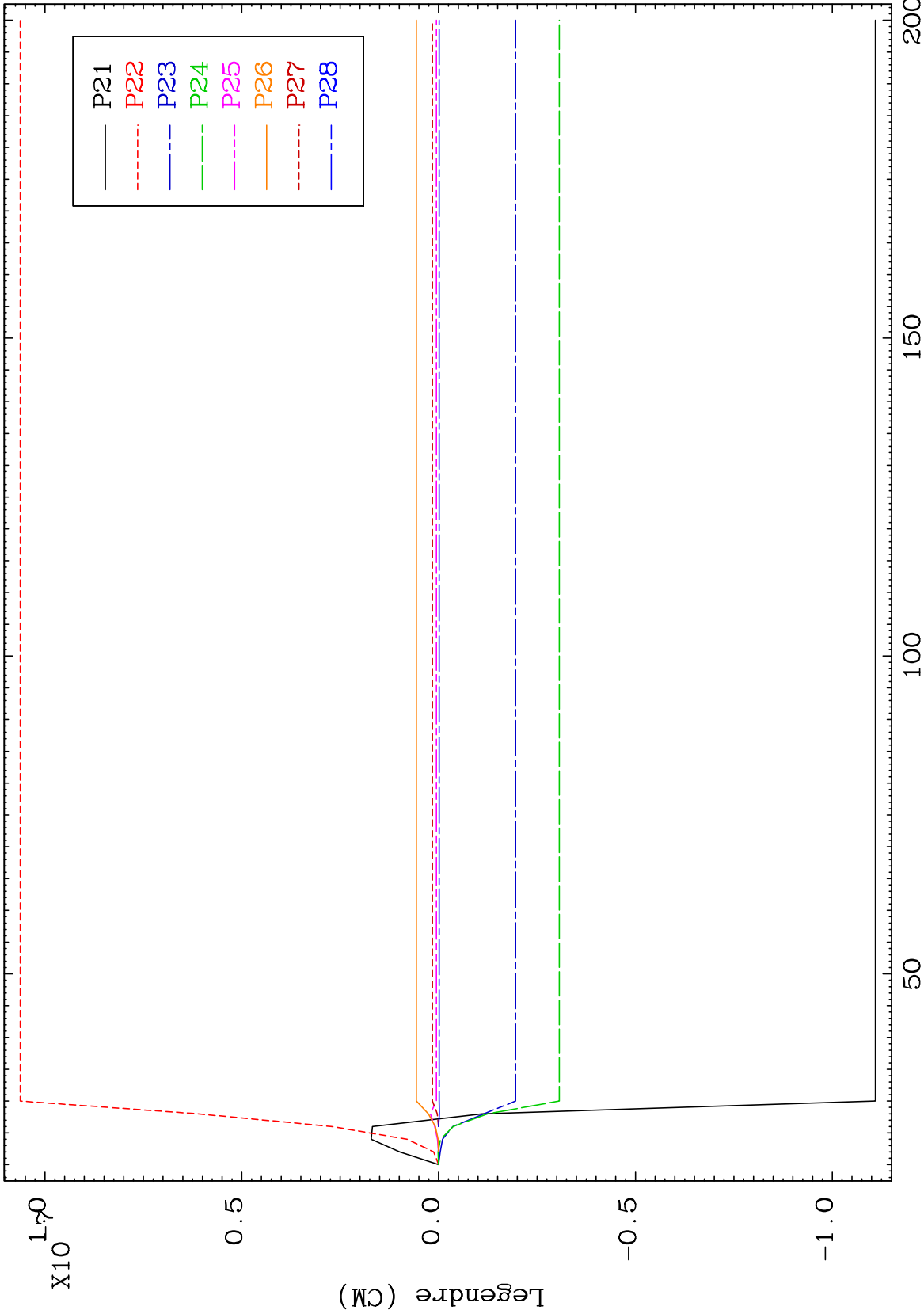
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



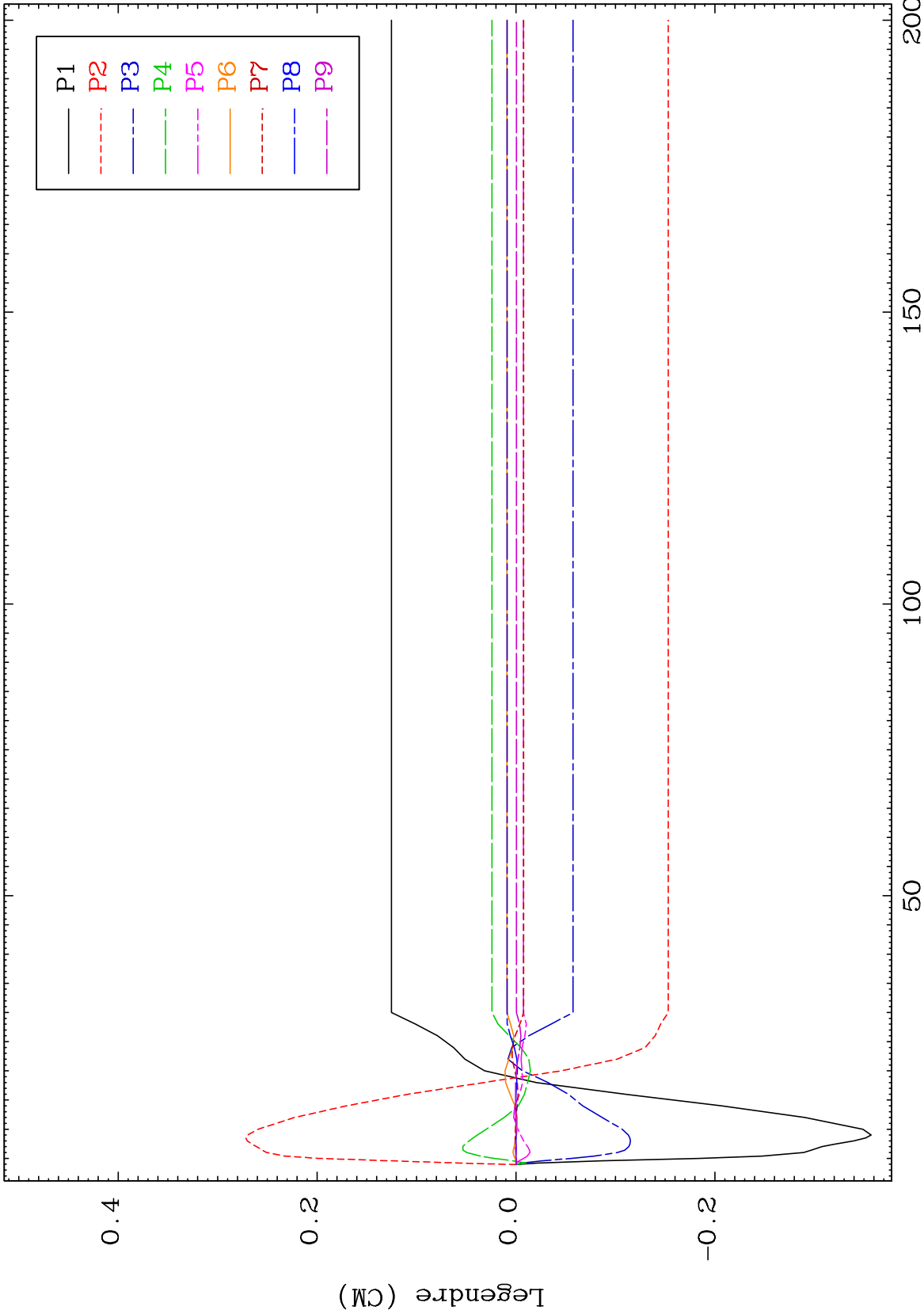
47

72-Hf-158

MAT 7177

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

72-Hf-158



48

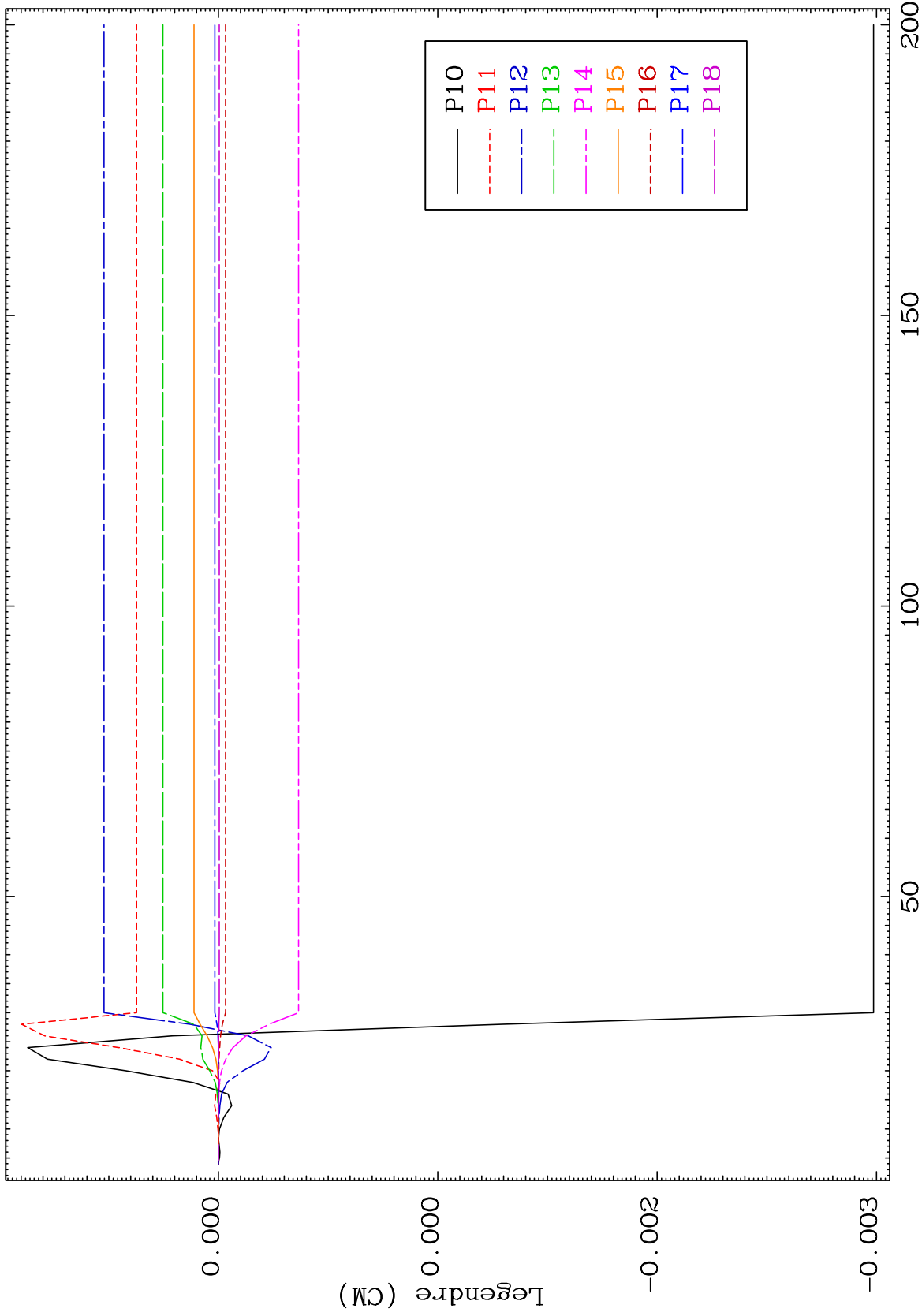
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



49

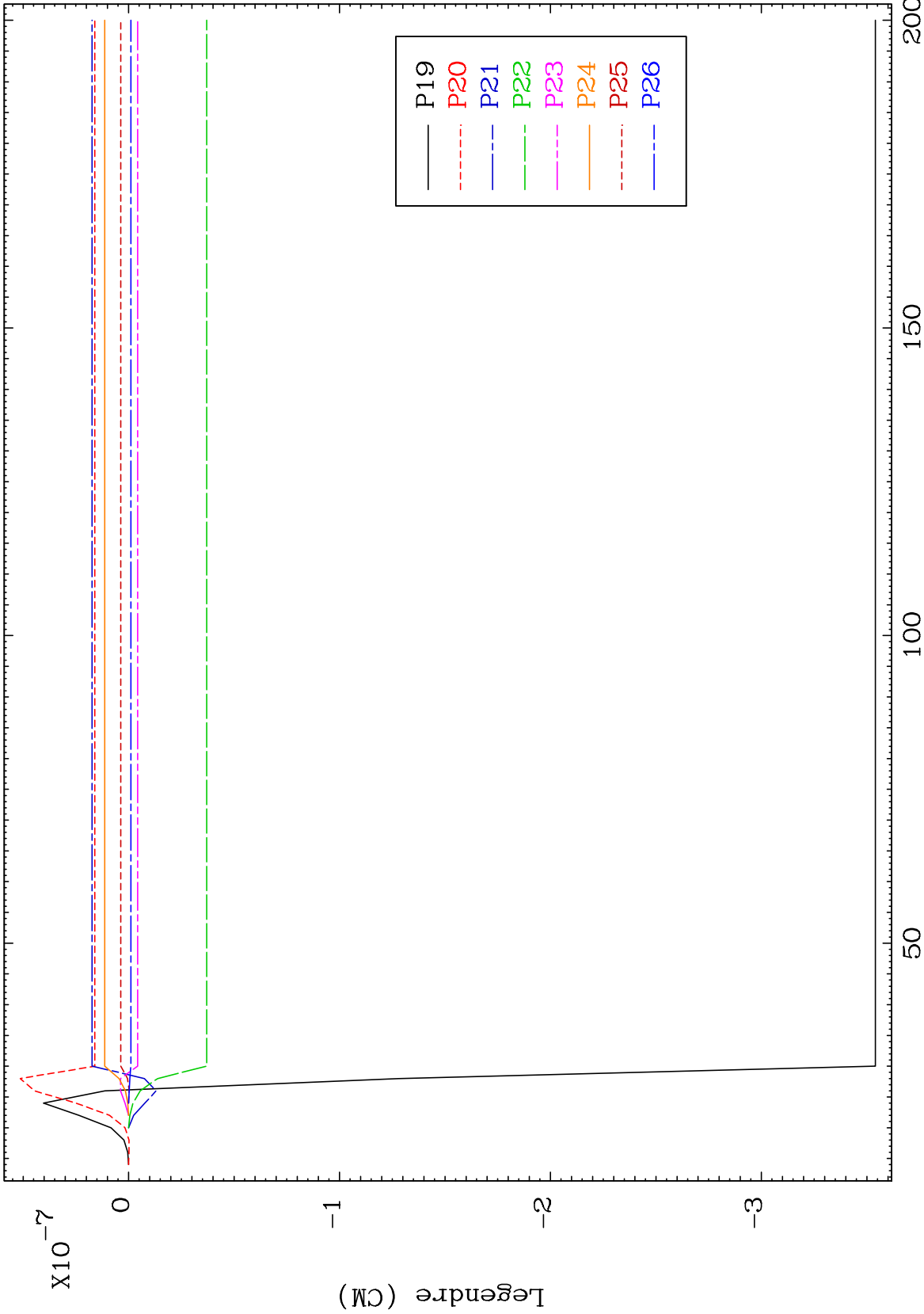
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



50

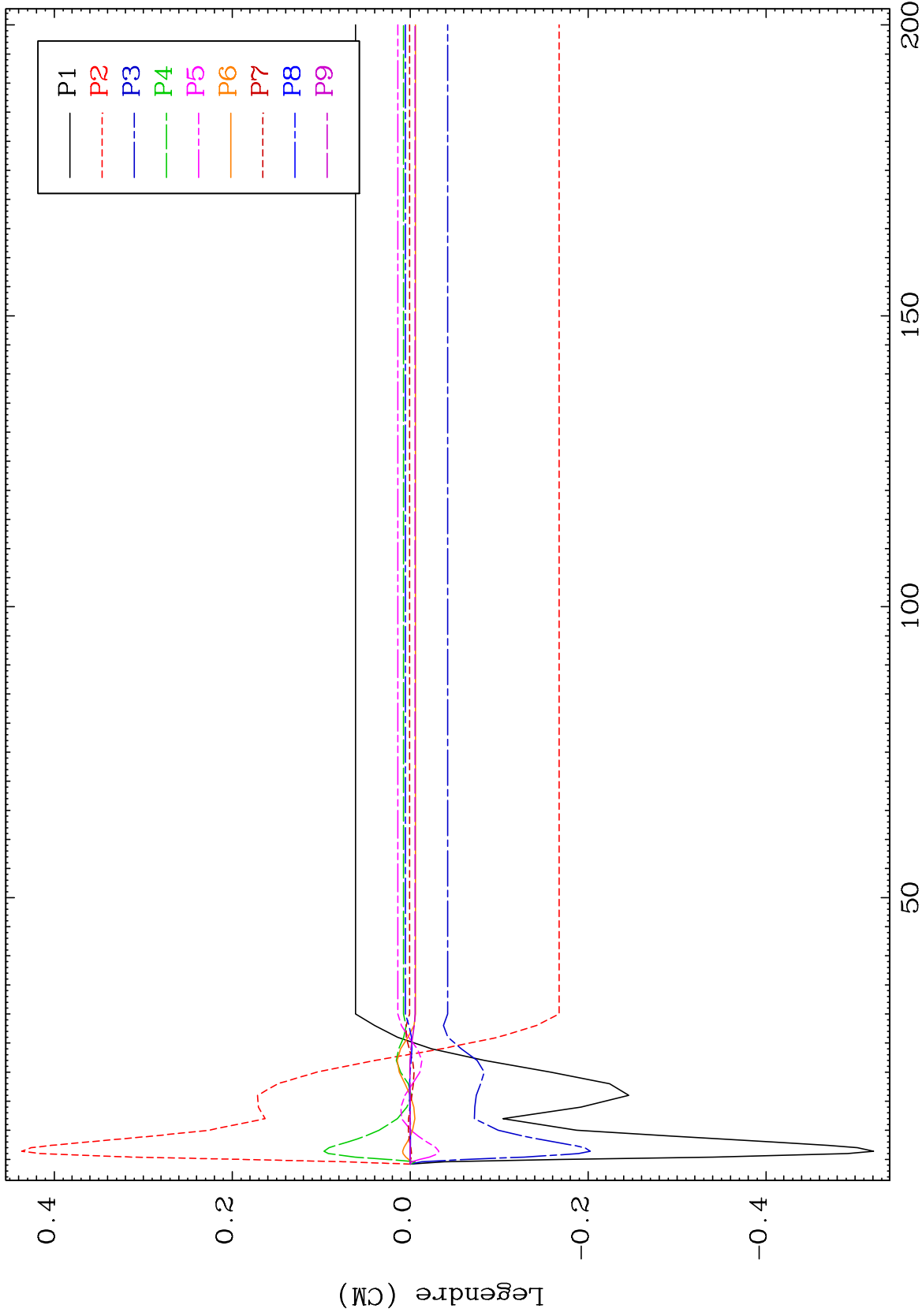
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



51

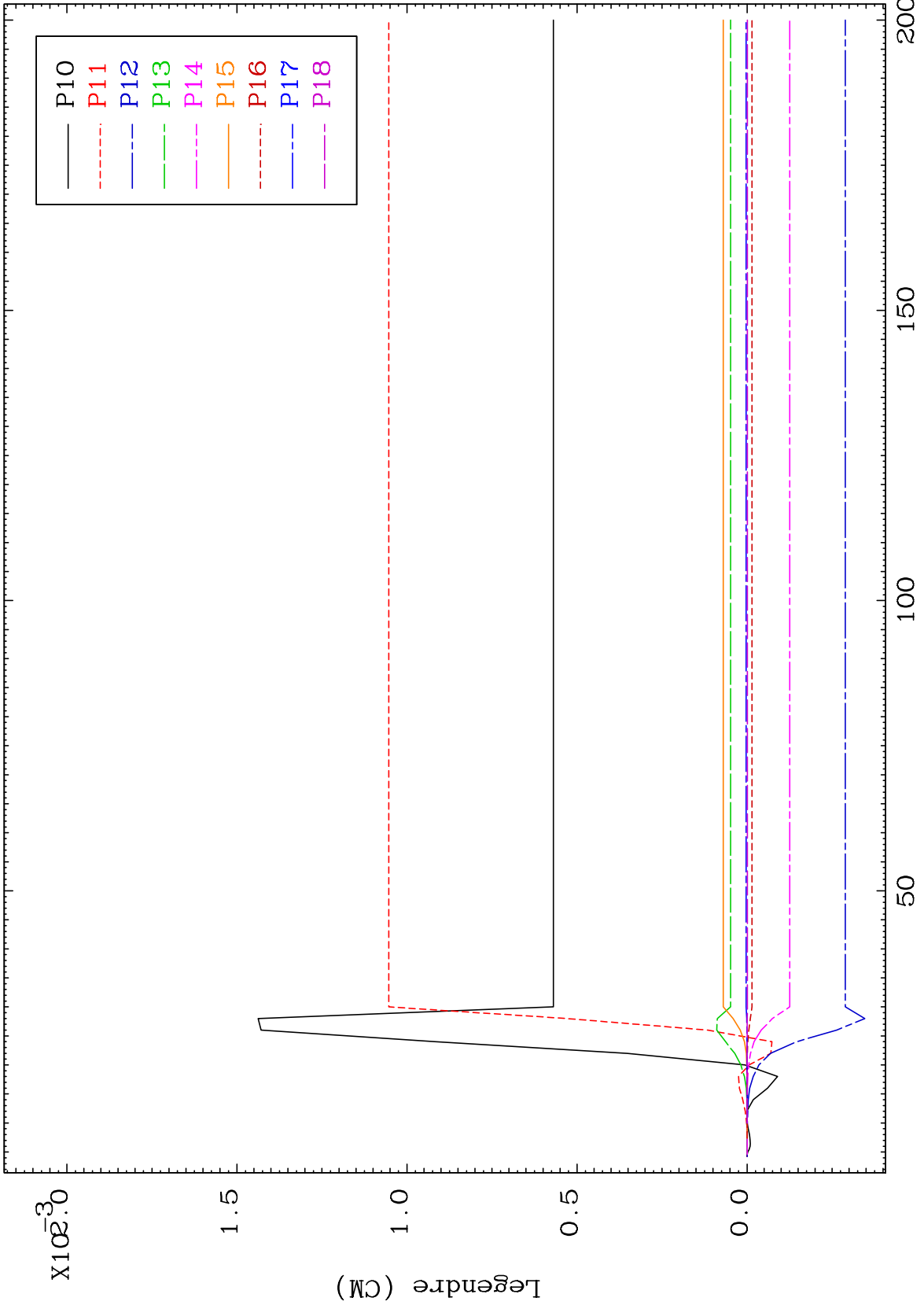
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



52

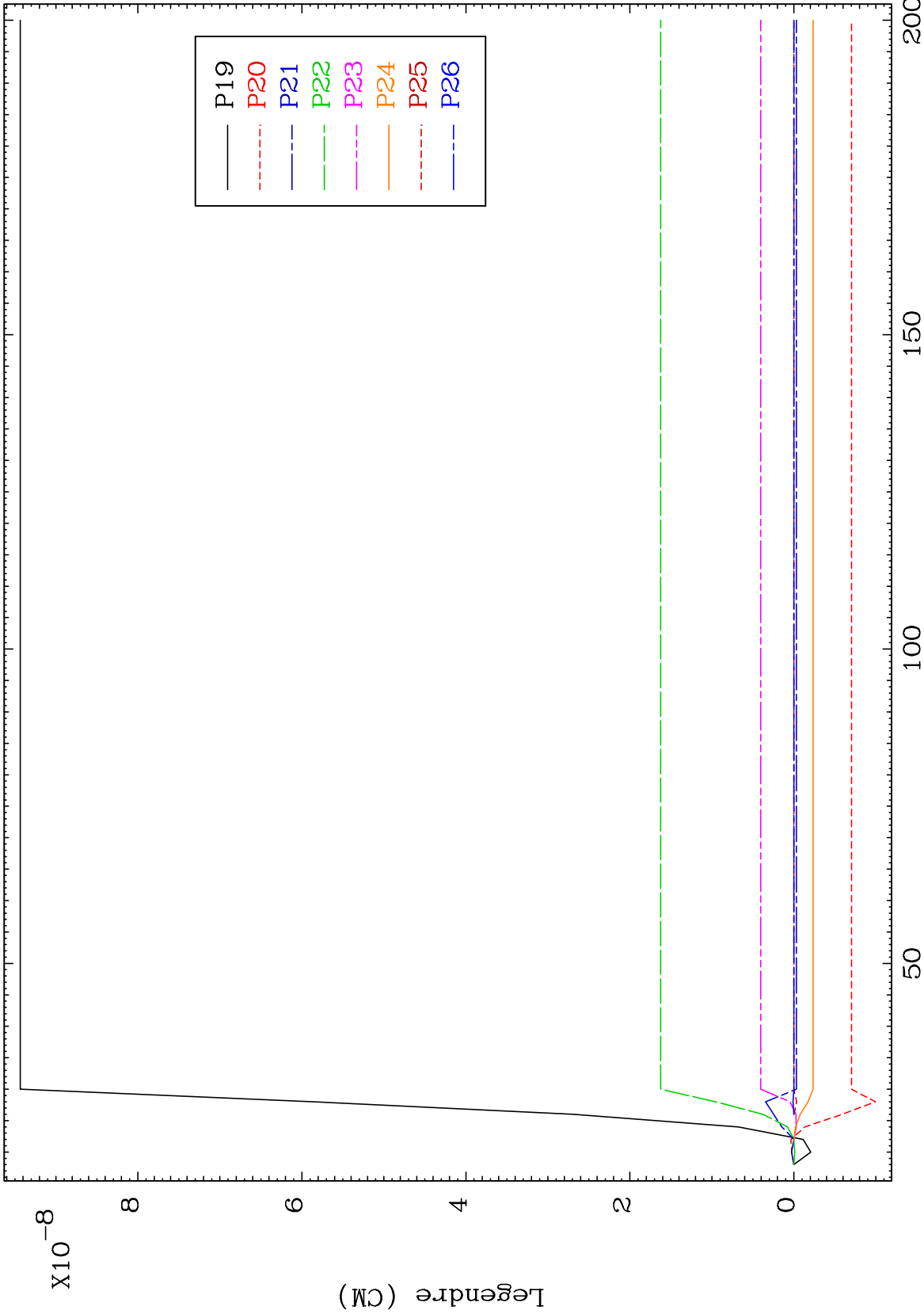
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



53

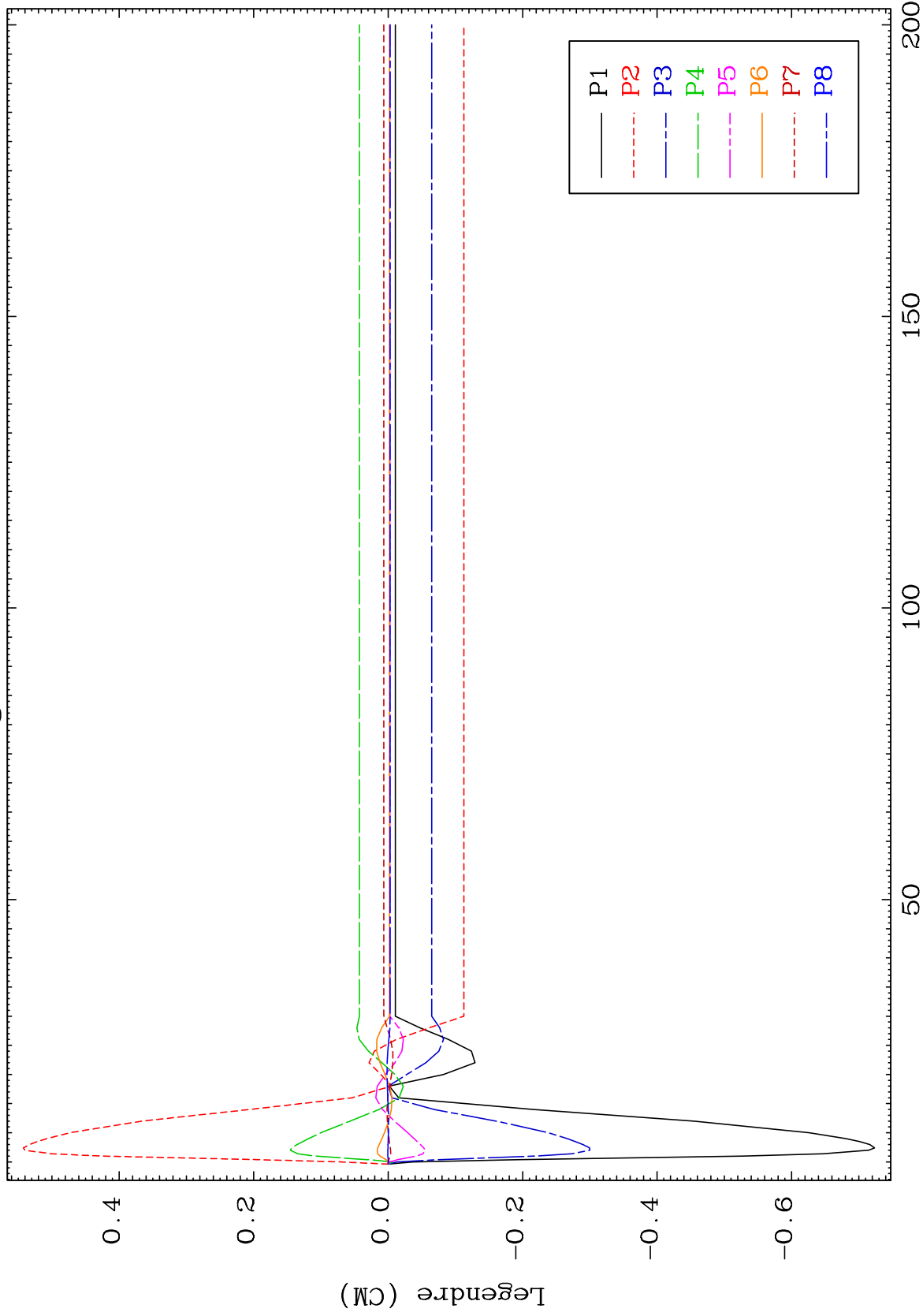
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



54

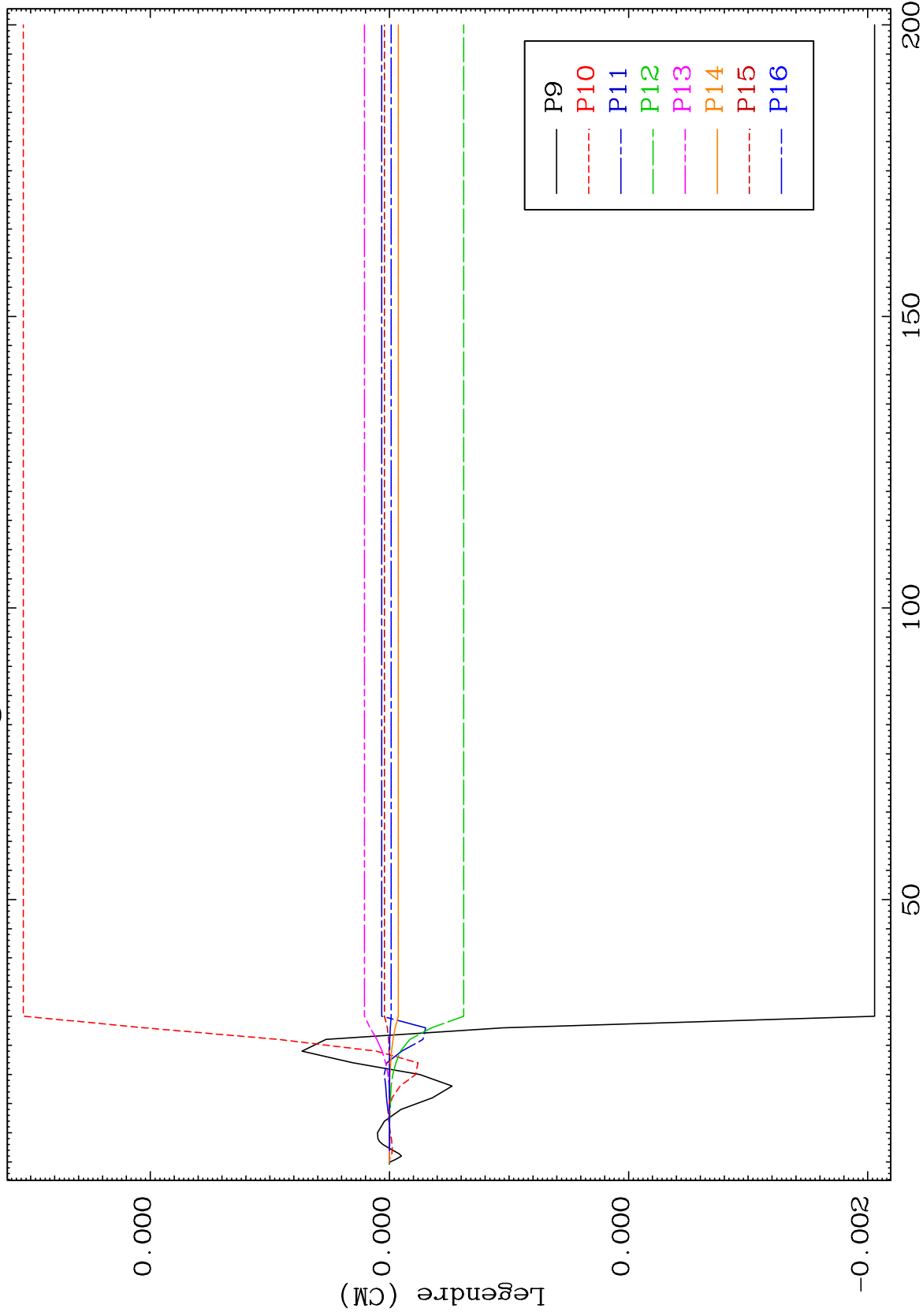
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



55

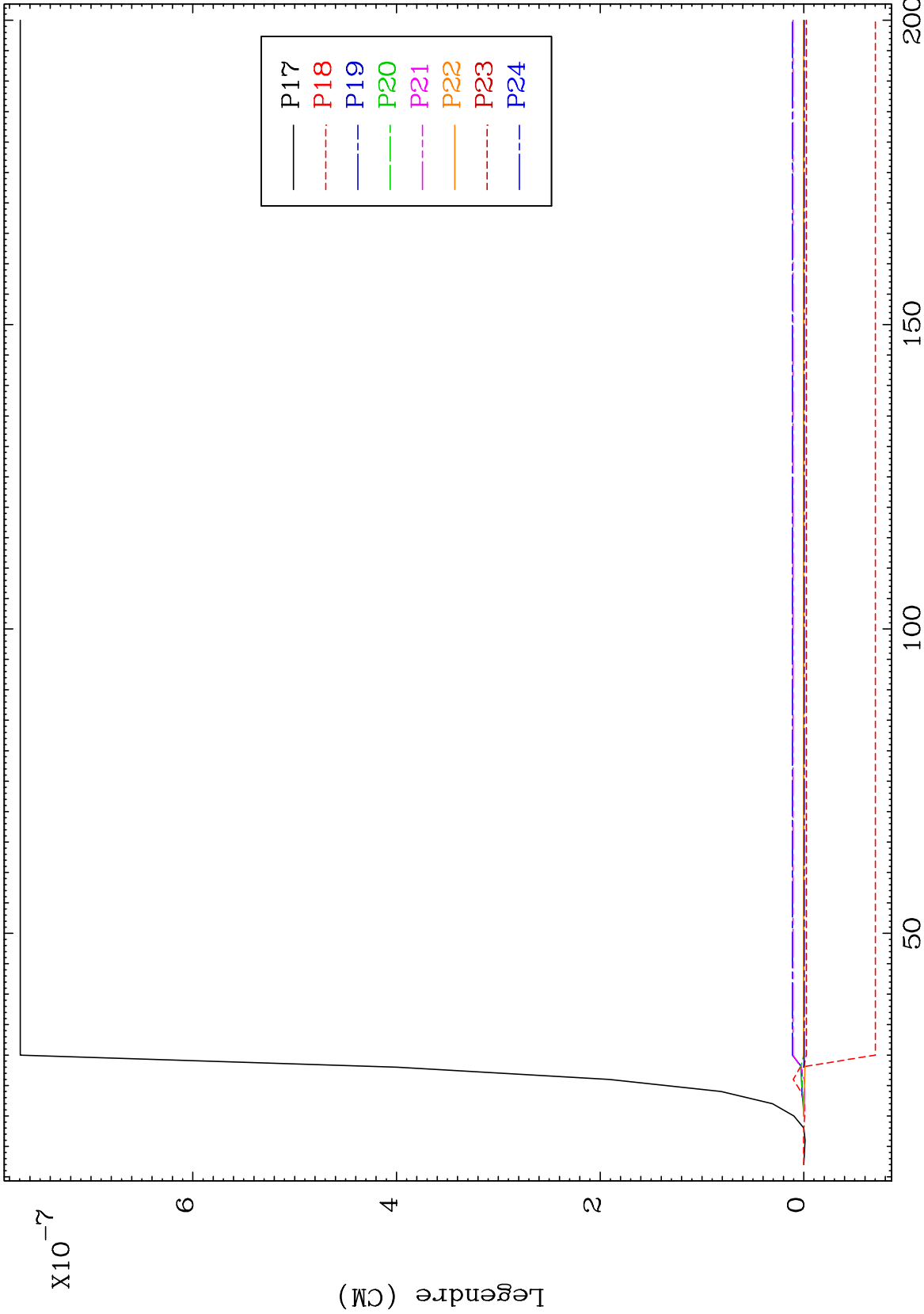
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



56

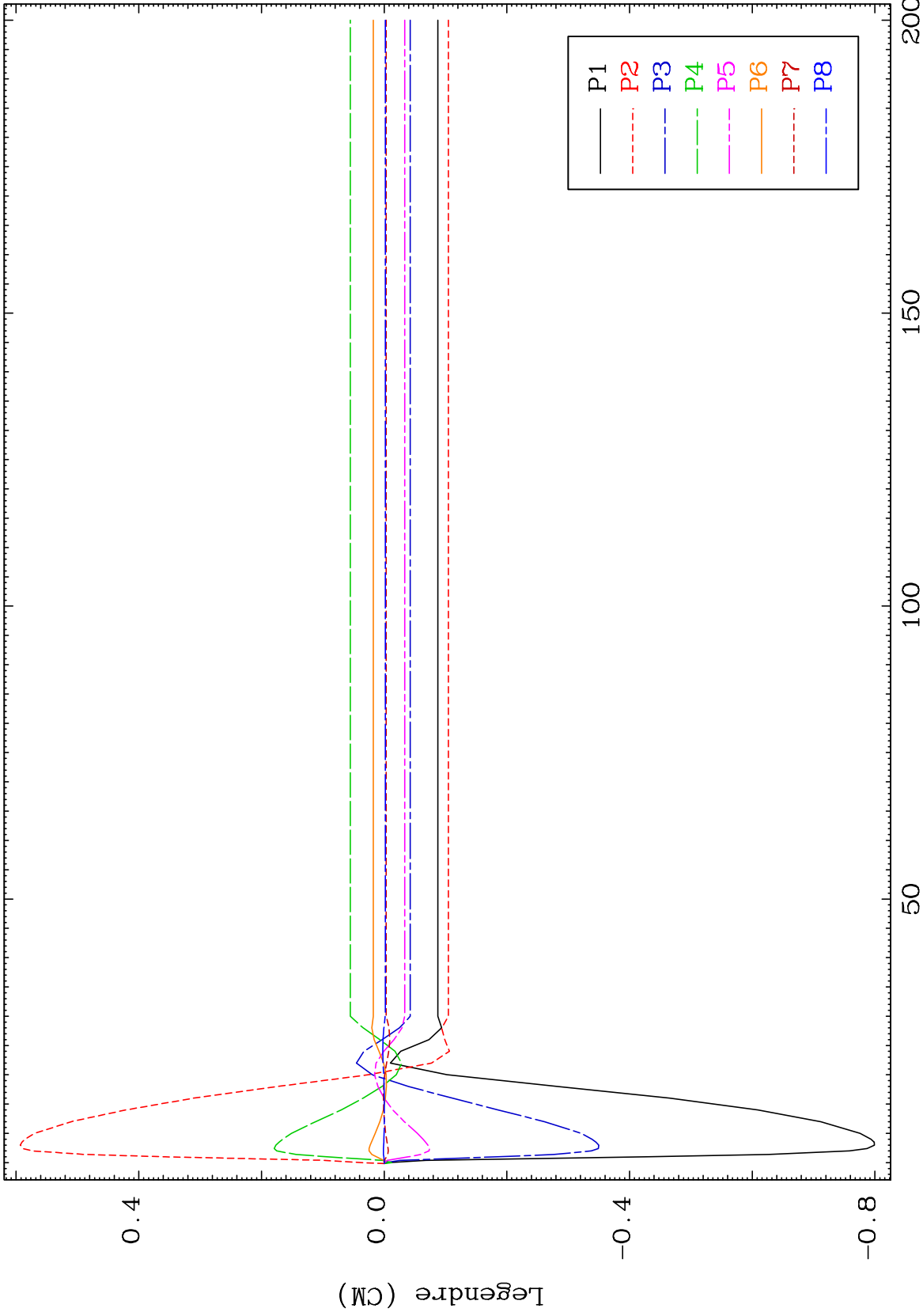
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



57

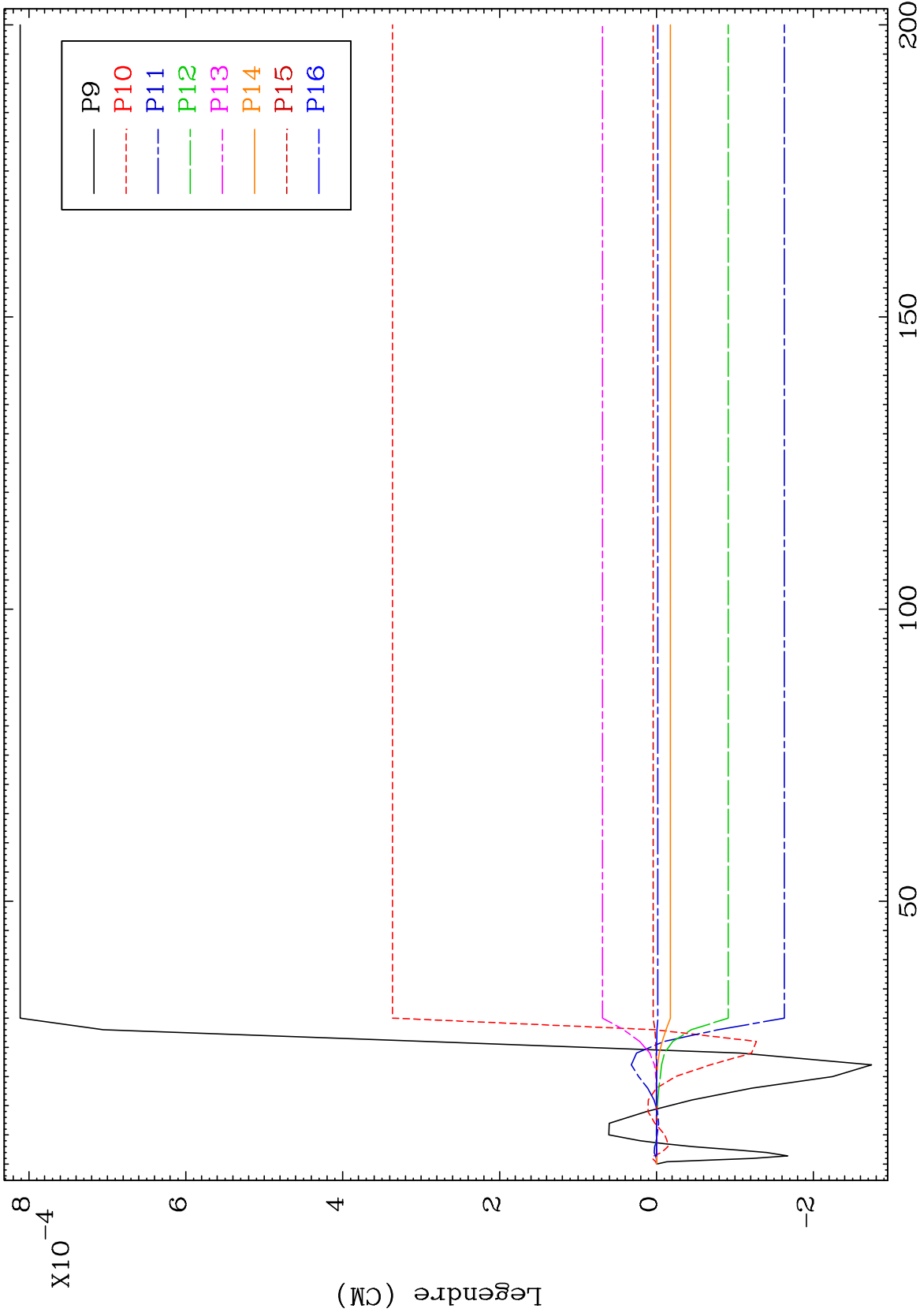
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



58

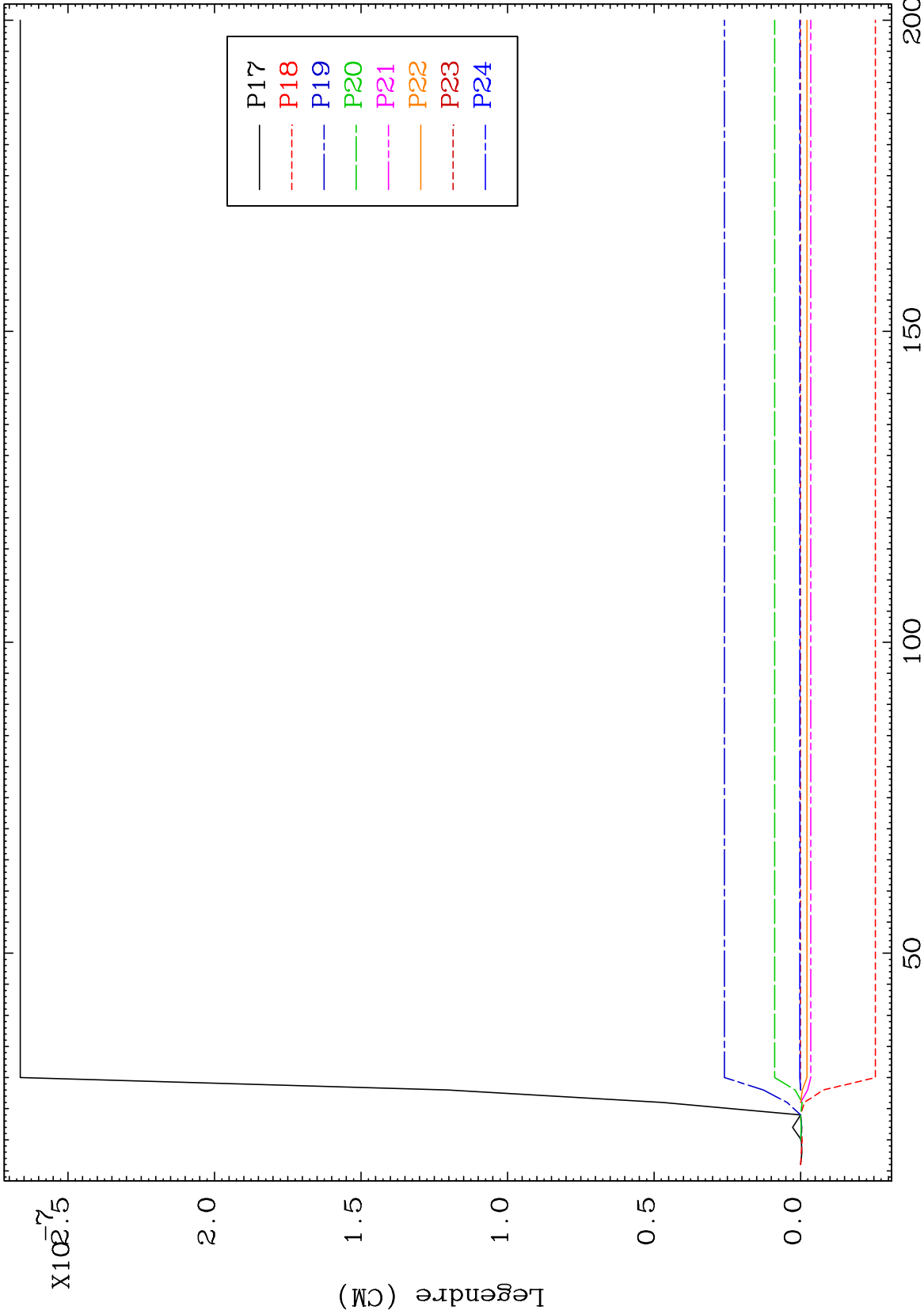
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



59

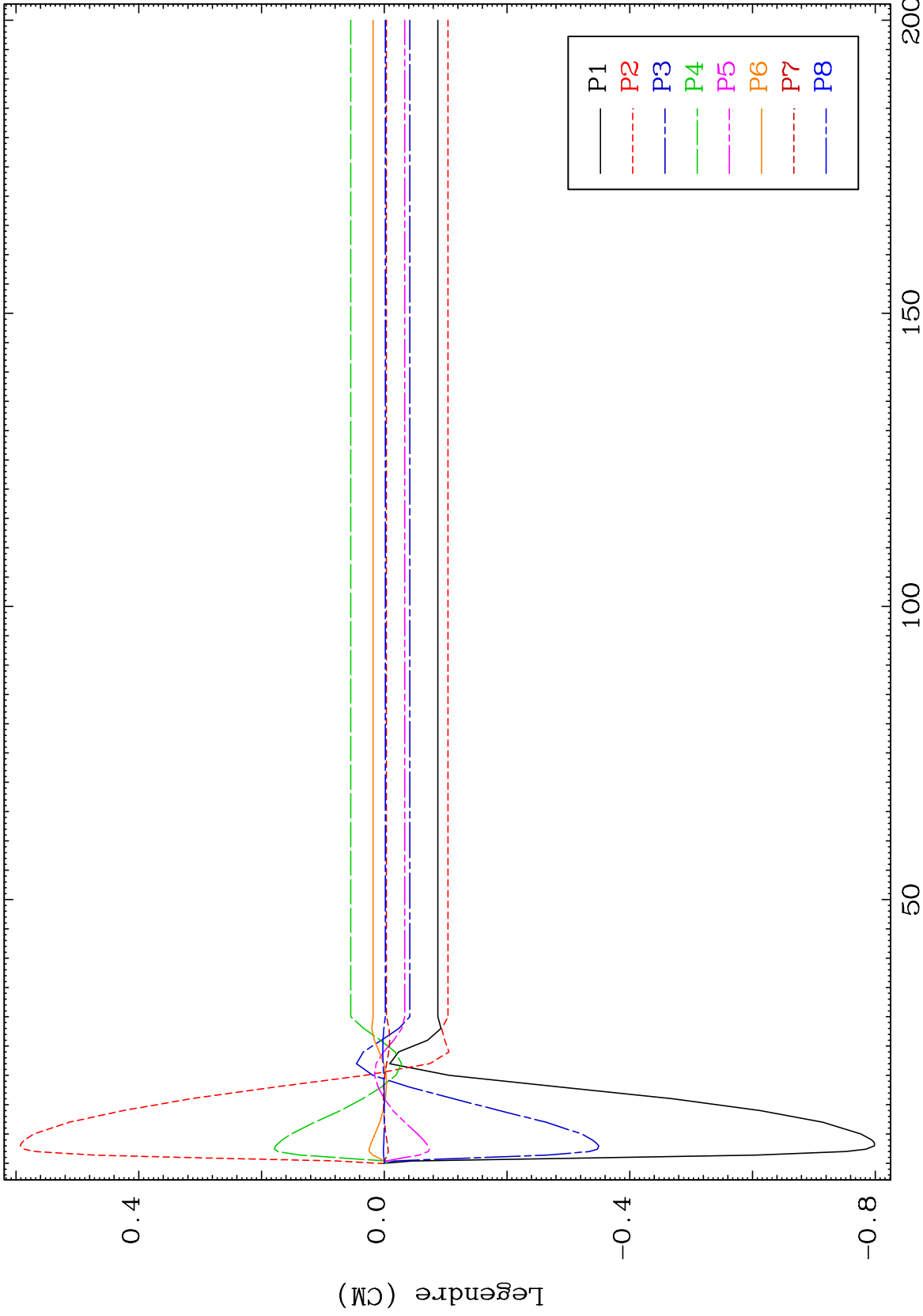
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



60

Incident Energy (MeV)

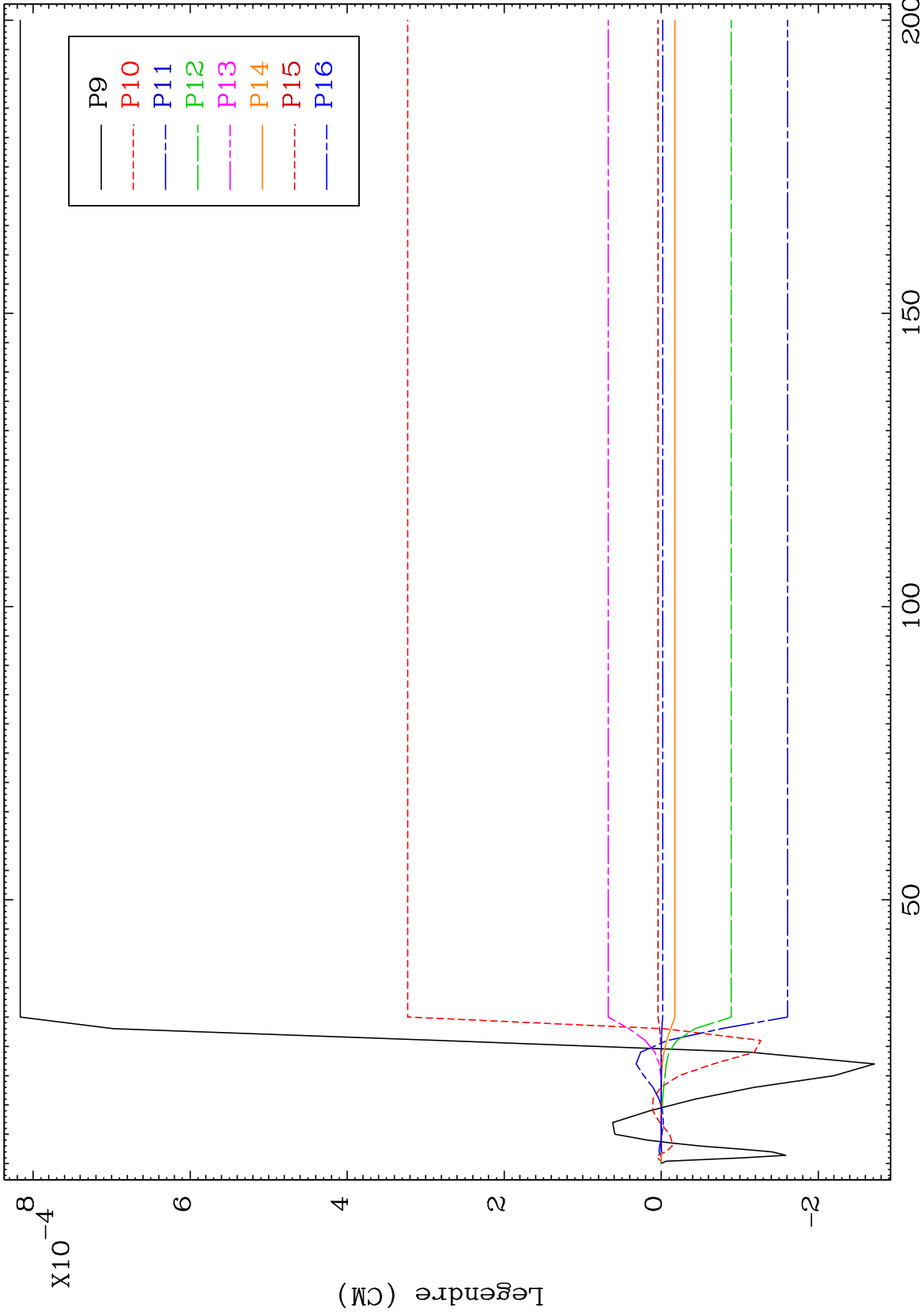
150

72-Hf-158

MAT 7177

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

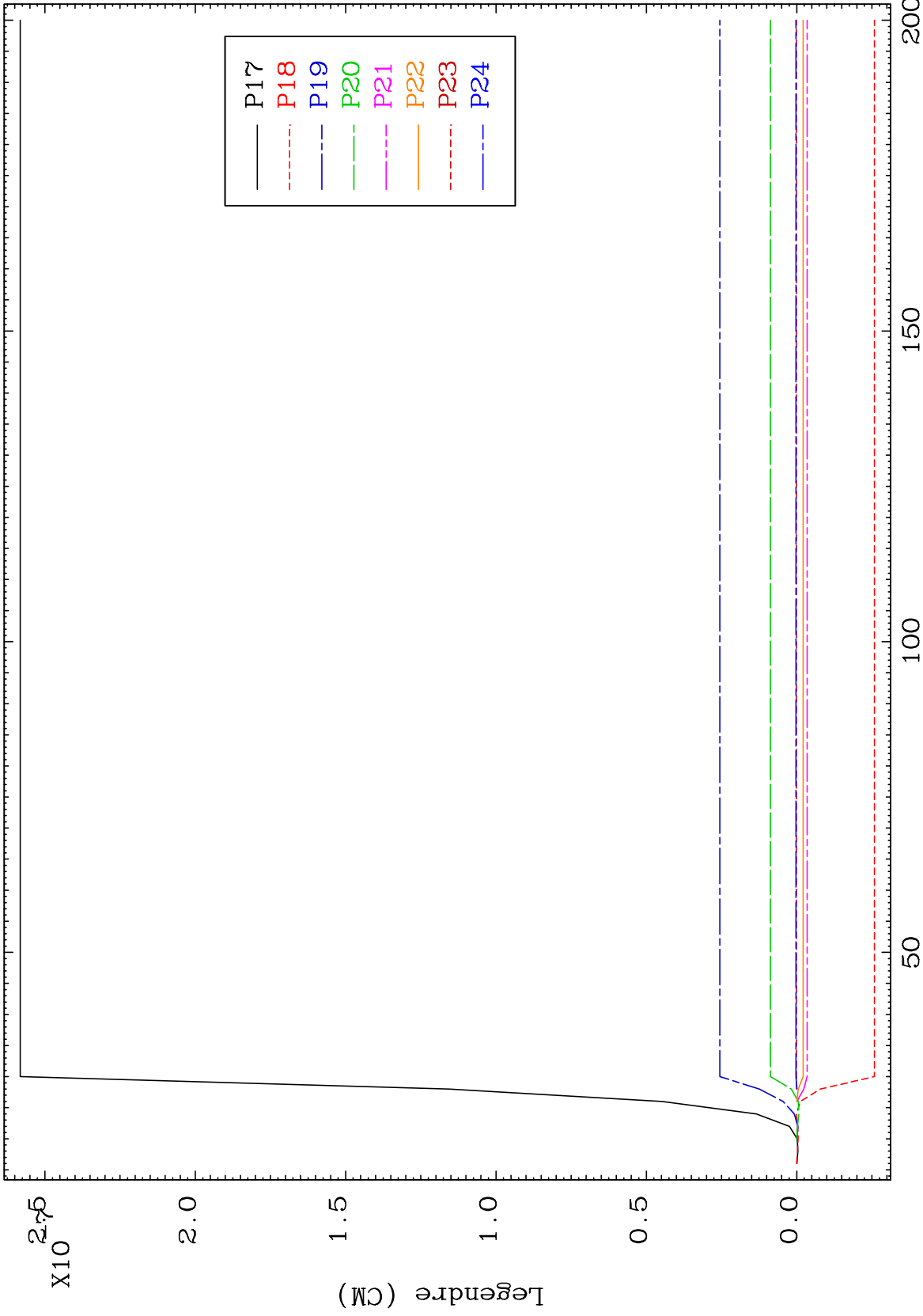
72-Hf-158



61

Incident Energy (MeV)

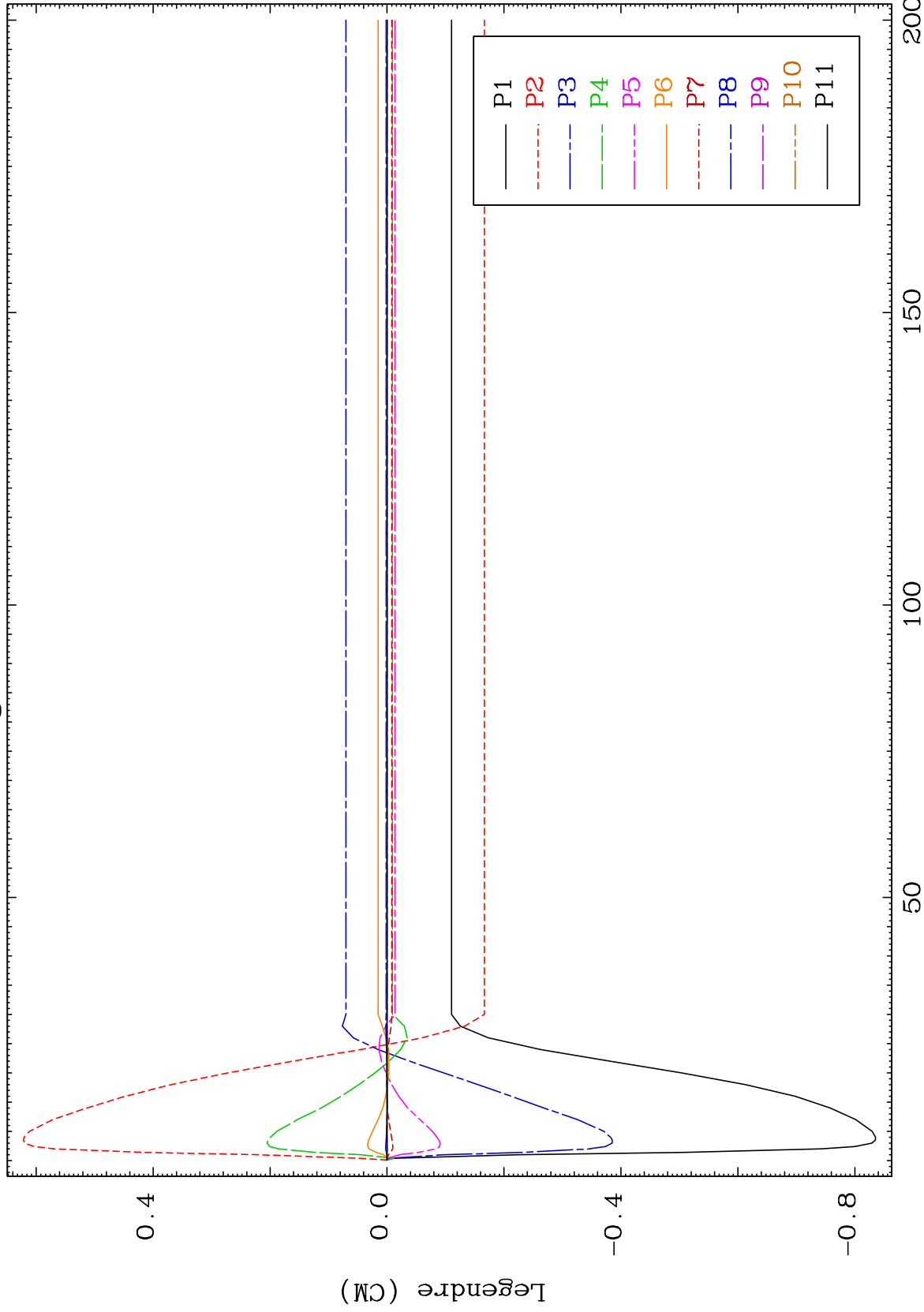
72-Hf-158



MAT 7177

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

72-Hf-158



63

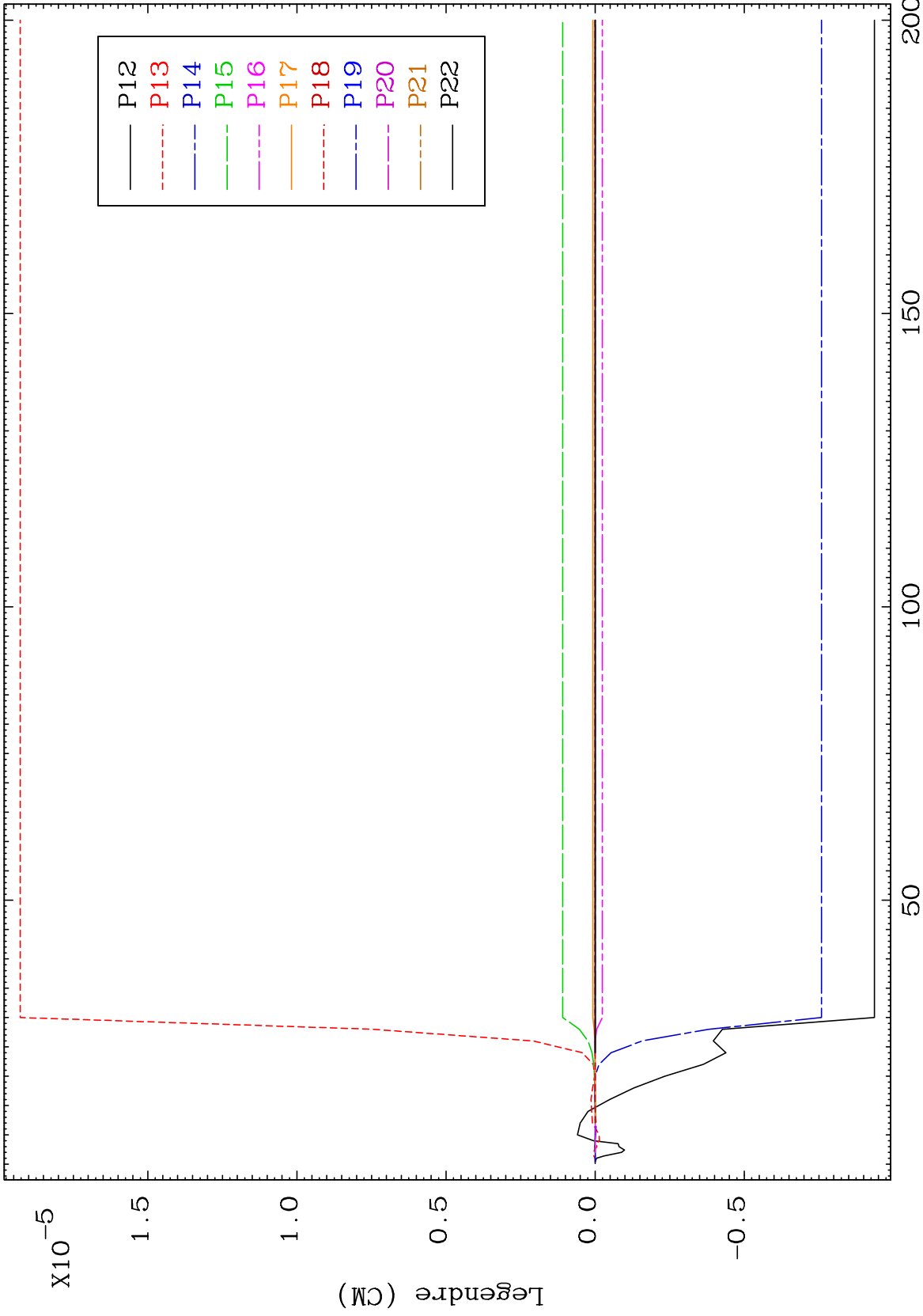
Incident Energy (MeV)

72-Hf-158

MAT 7177

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

72-Hf-158



64

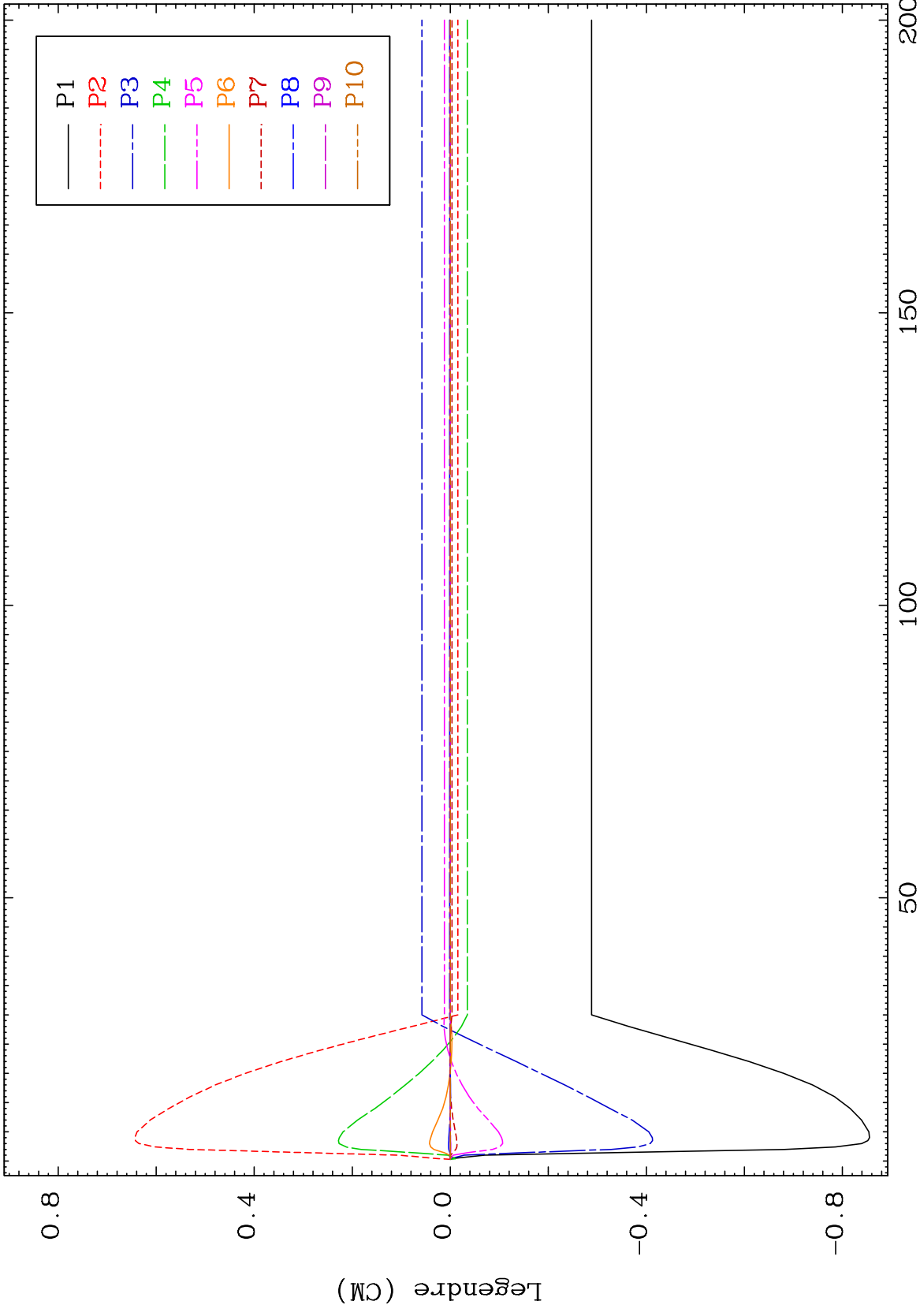
Incident Energy (MeV)

72-Hf-158

MAT 7177

MT= 65 (n,n') Level
Legendre Coefficients

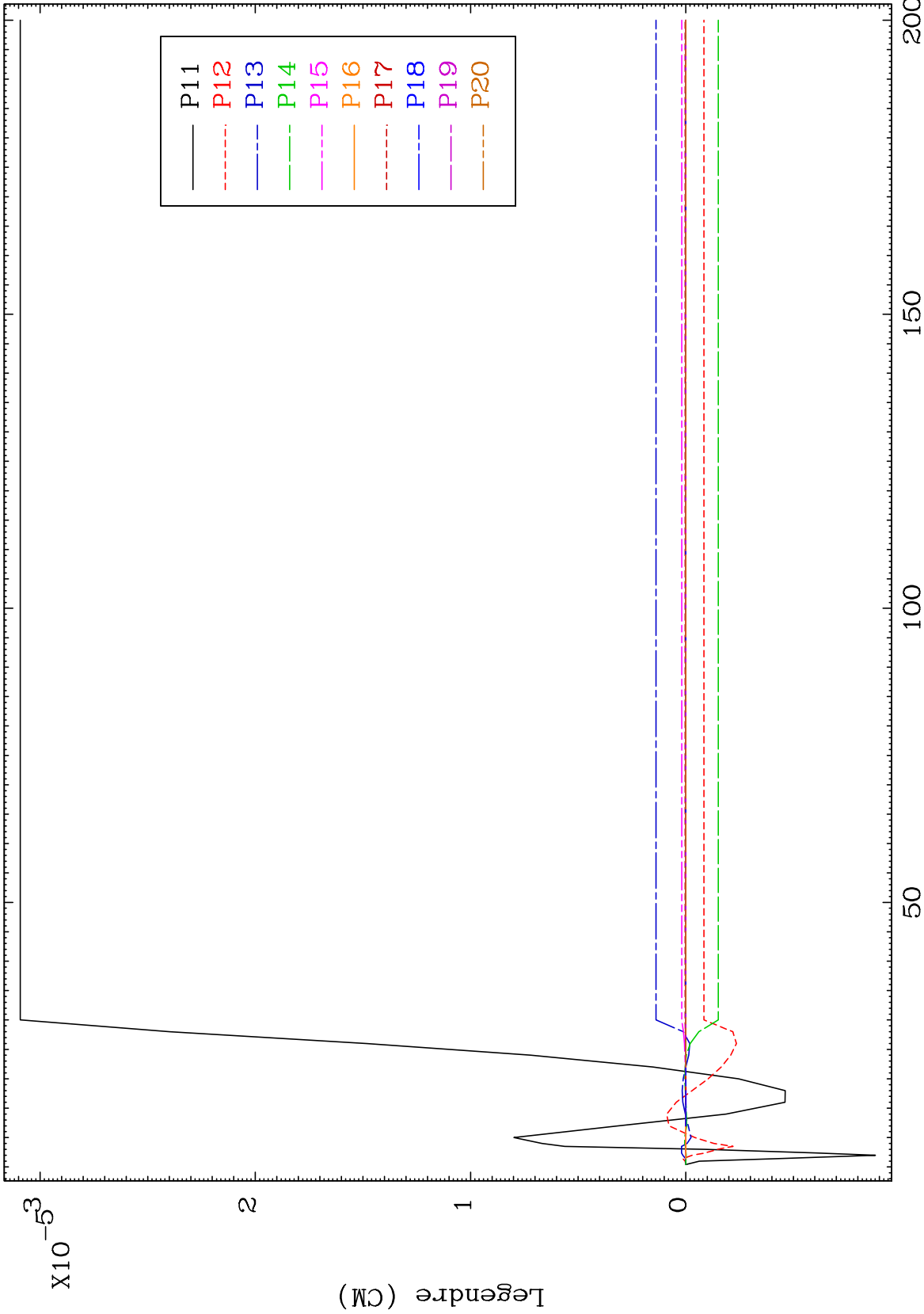
72-Hf-158



65

Incident Energy (MeV)

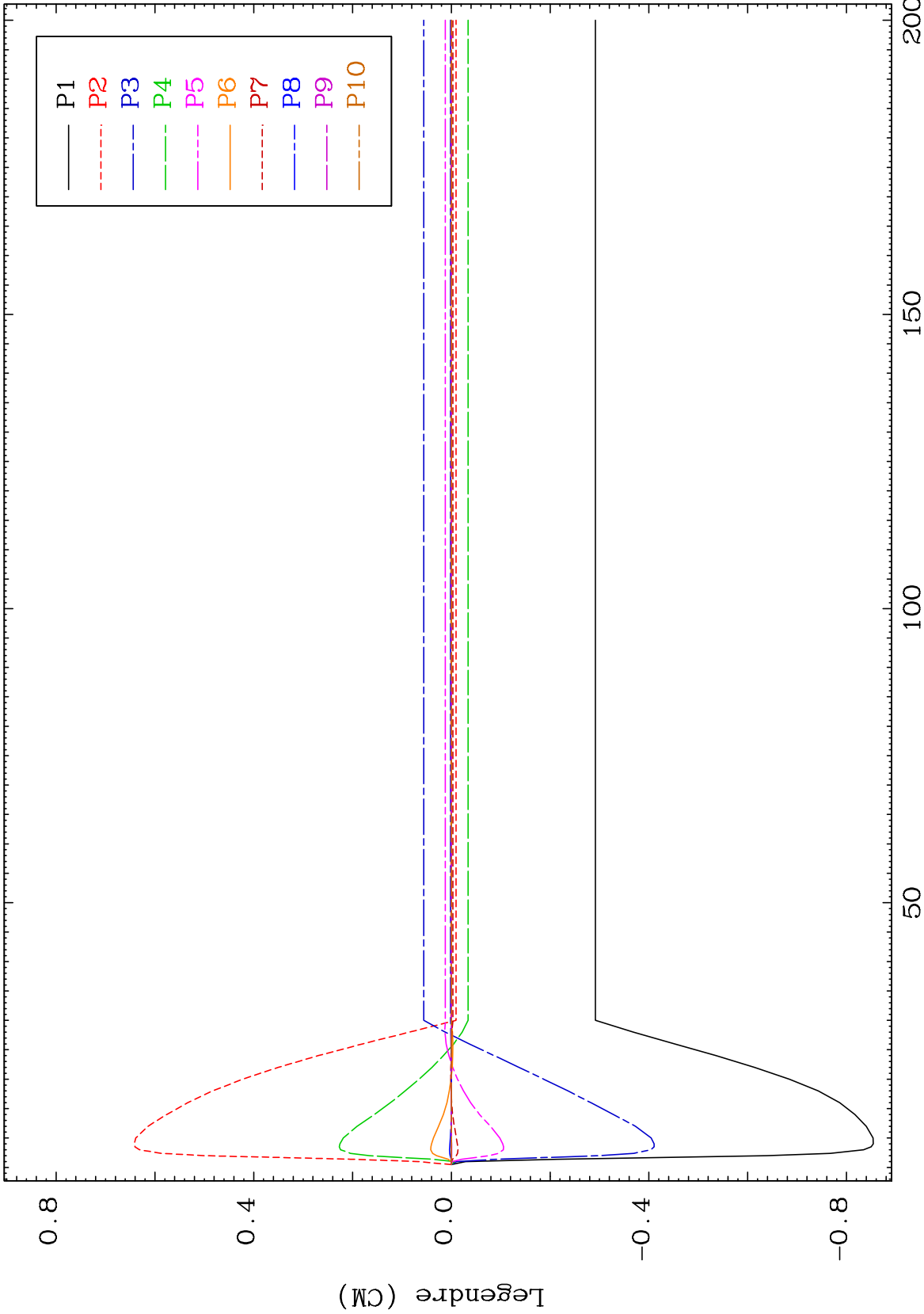
72-Hf-158



MAT 7177

MT= 66 (n,n') Level
Legendre Coefficients

72-Hf-158



67

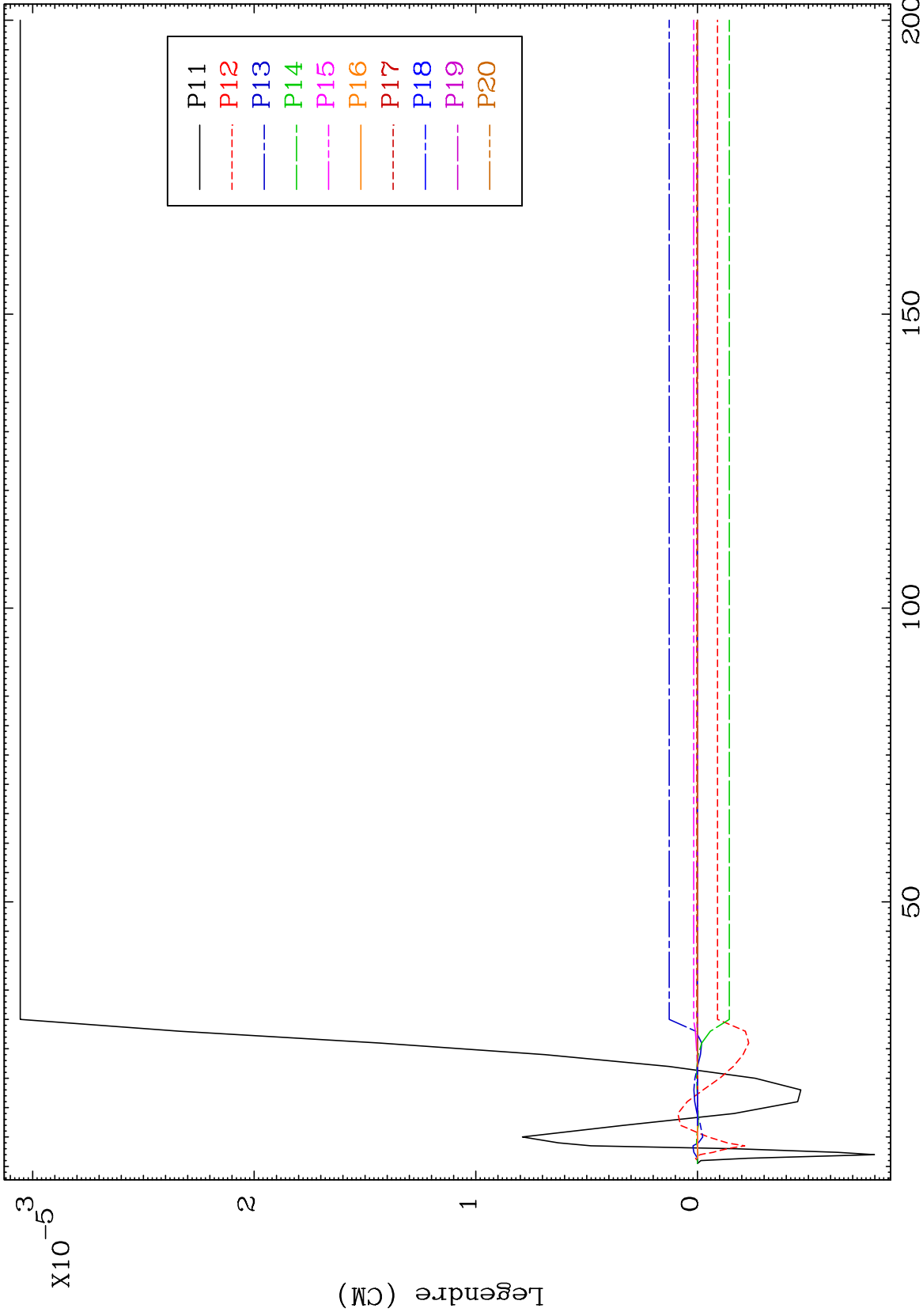
Incident Energy (MeV)

72-Hf-158

MAT 7177

MT= 66 (n,n') Level
Legendre Coefficients

72-Hf-158



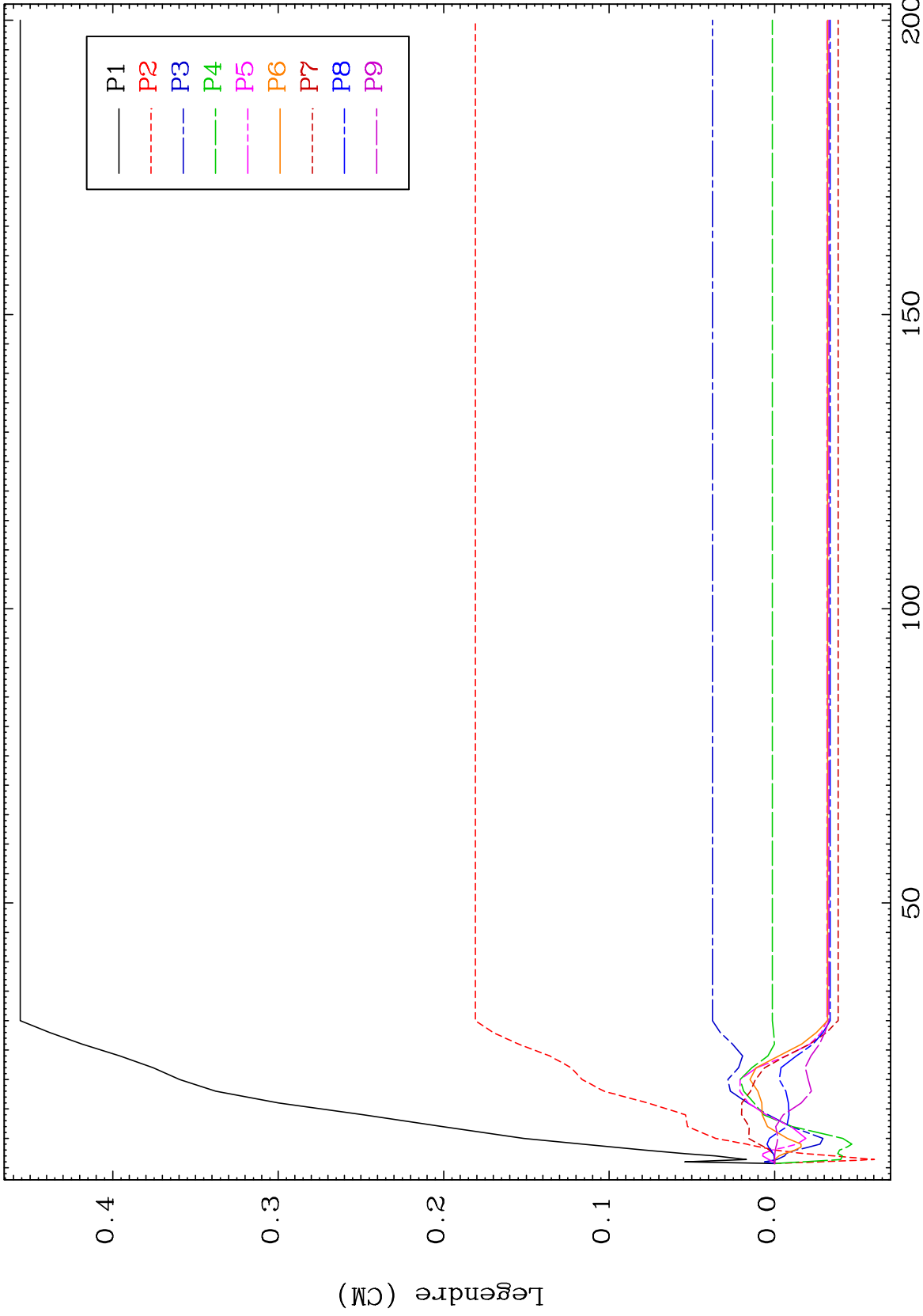
68

72-Hf-158

MAT 7177

MT= 67 (n,n') Level
Legendre Coefficients

72-Hf-158



69

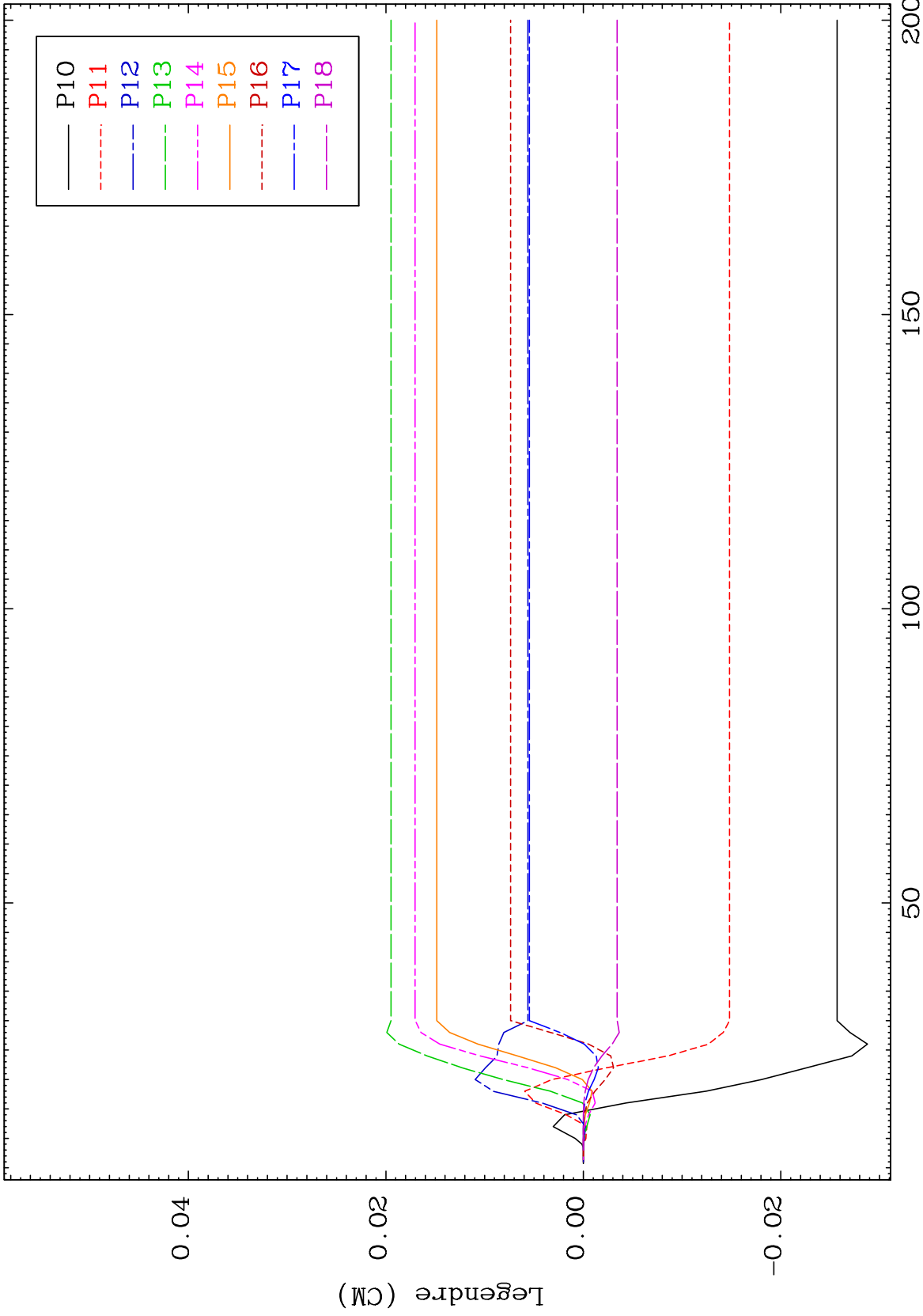
Incident Energy (MeV)

72-Hf-158

MAT 7177

MT= 67 (n,n') Level
Legendre Coefficients

72-Hf-158



70

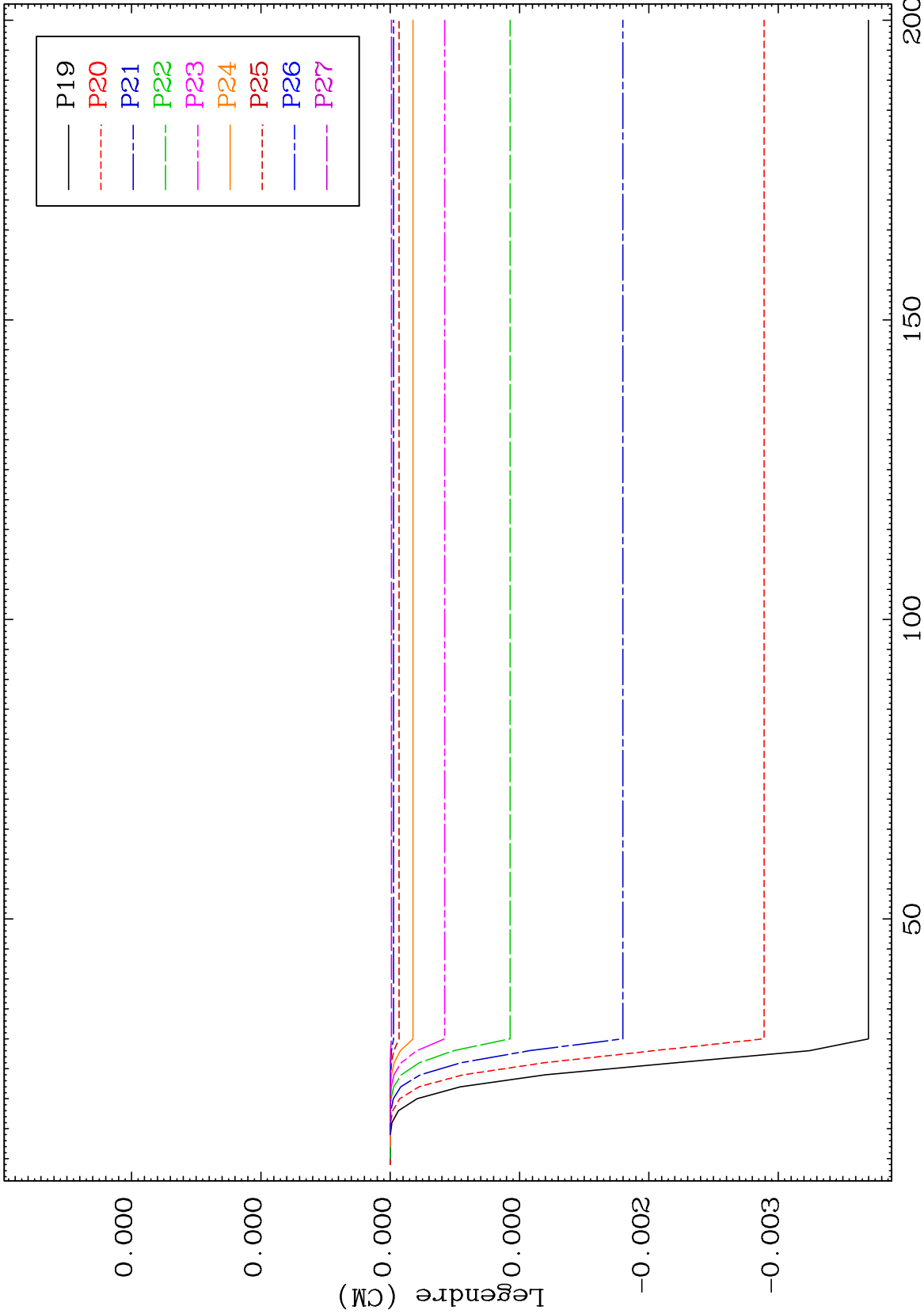
Incident Energy (MeV)

72-Hf-158

MAT 7177

MT= 67 (n,n') Level
Legendre Coefficients

72-Hf-158



71

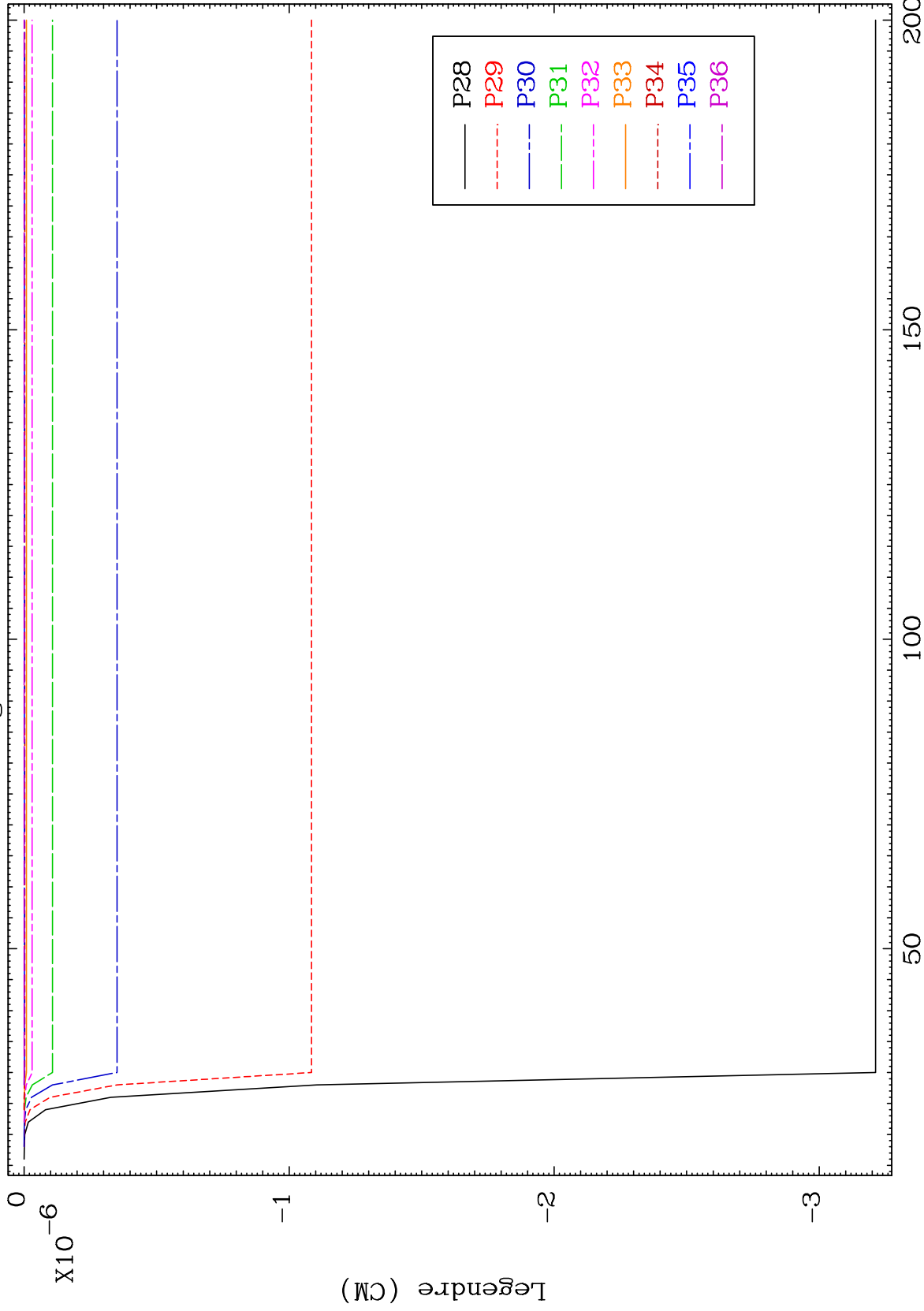
Incident Energy (MeV)

72-Hf-158

MAT 7177

MT= 67 (n,n') Level
Legendre Coefficients

72-Hf-158



72-Hf-158

Incident Energy (MeV)

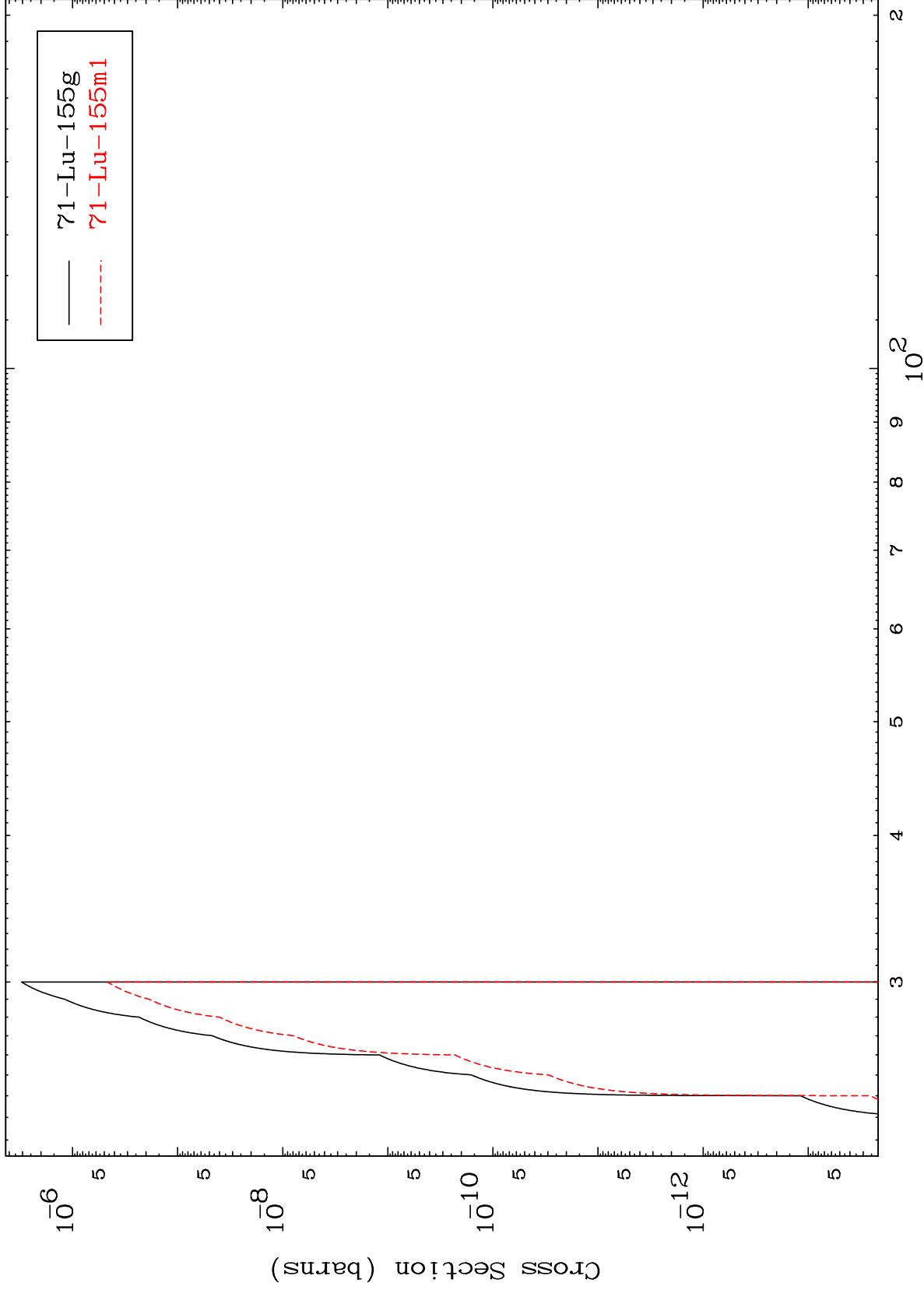
72

MAT 7177

(n,2n) d

72-Hf-158

Radionuclide Production Cross Section



73

Incident Energy (MeV)

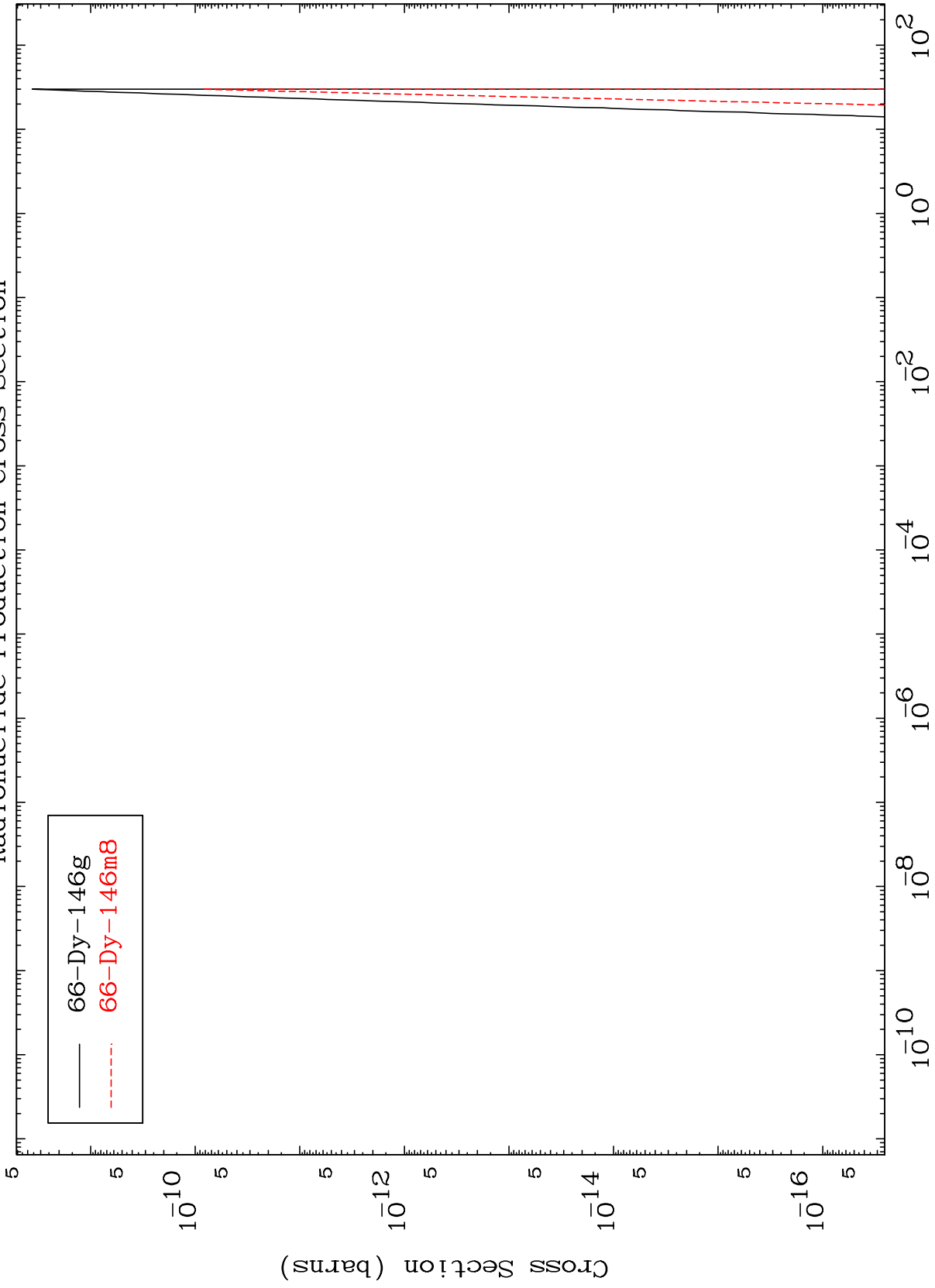
72-Hf-158

MAT 7177

(n,n') 3 α

72-Hf-158

Radionuclide Production Cross Section



66-Dy-146g
66-Dy-146m8

74

Incident Energy (MeV)

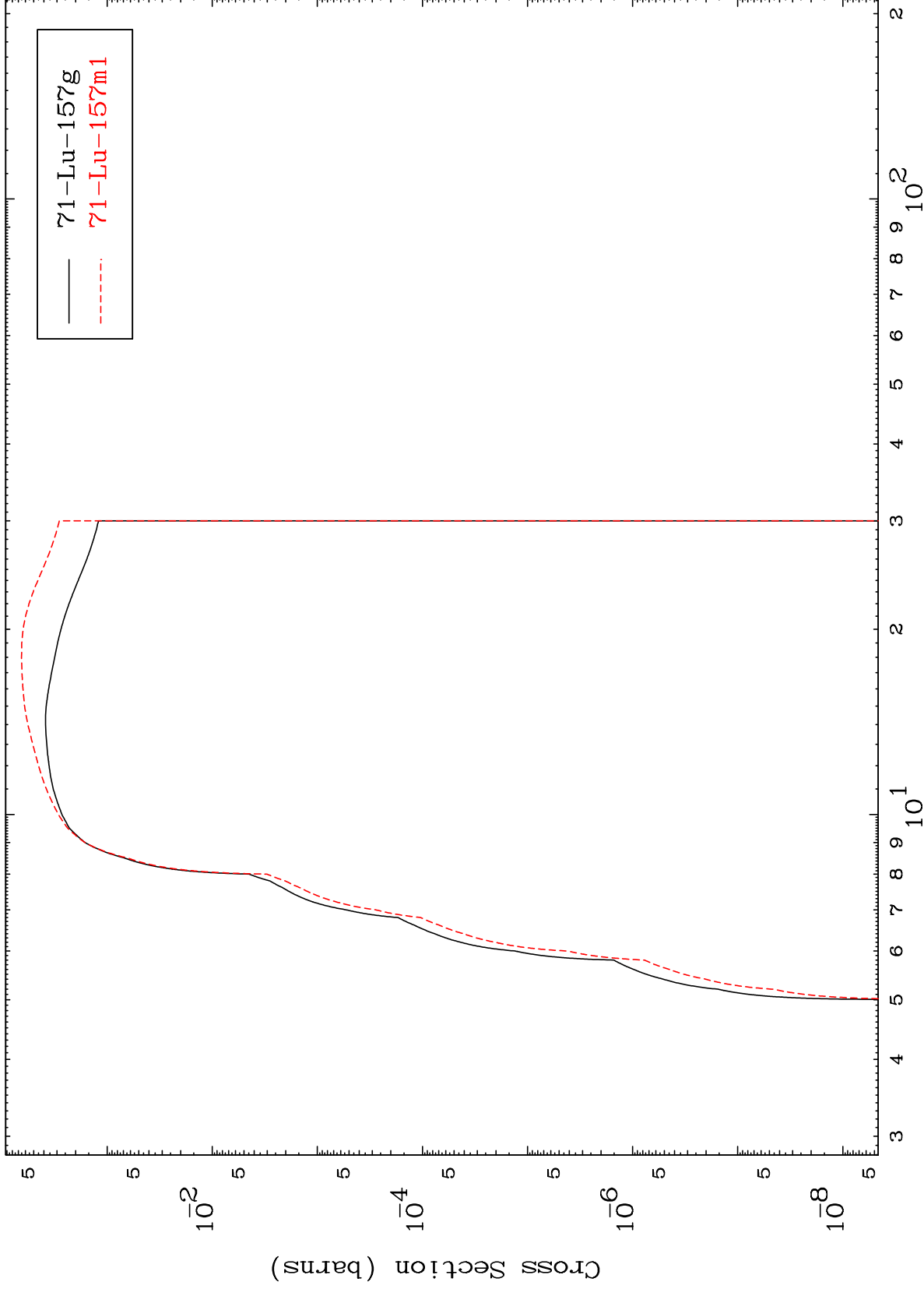
72-Hf-158

MAT 7177

(n,n') p

72-Hf-158

Radionuclide Production Cross Section



75

Incident Energy (MeV)

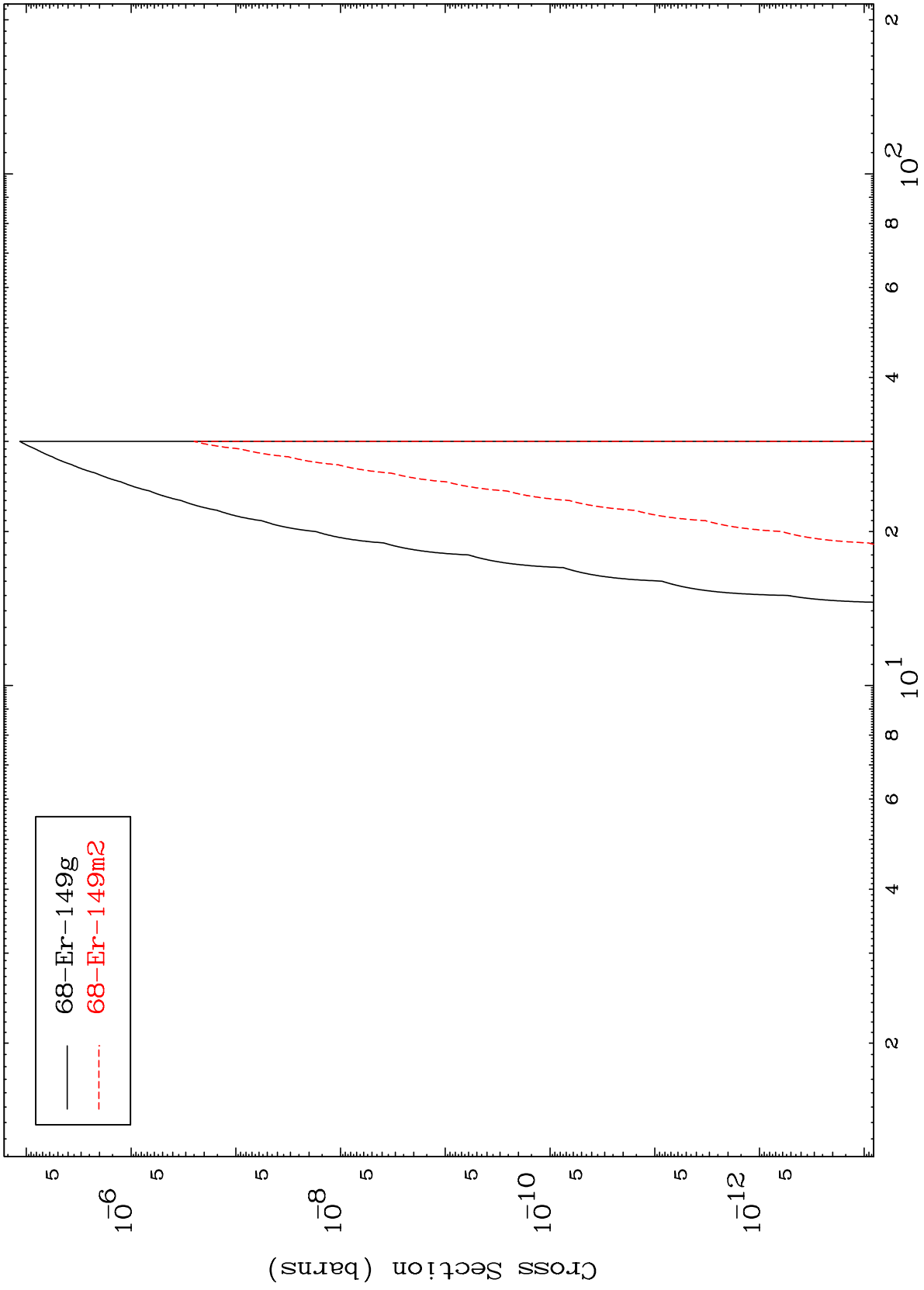
72-Hf-158

MAT 7177

(n,2n) 2α

72-Hf-158

Radionuclide Production Cross Section



76

Incident Energy (MeV)

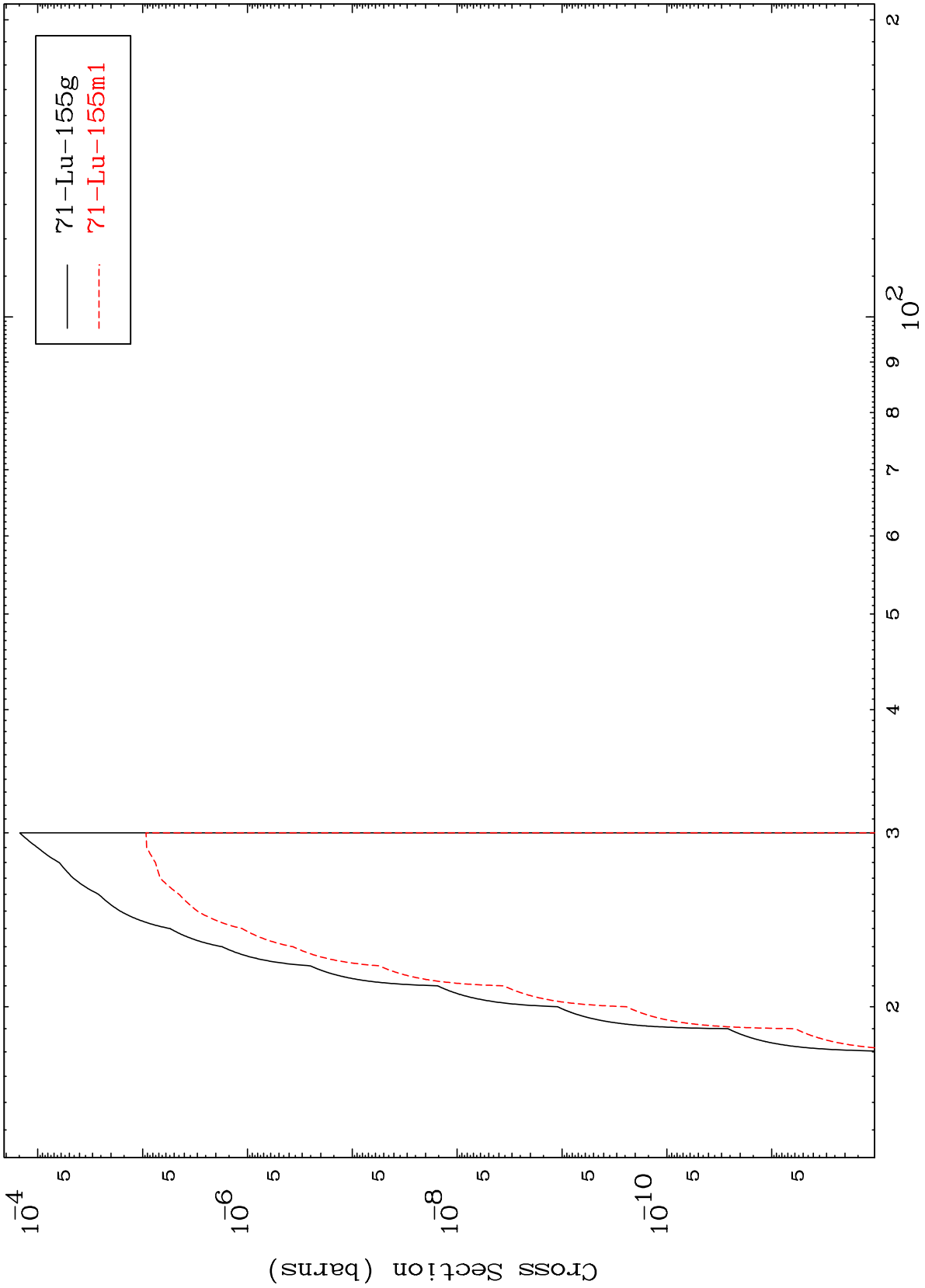
72-Hf-158

MAT 7177

(n,n') t

72-Hf-158

Radionuclide Production Cross Section



77

Incident Energy (MeV)

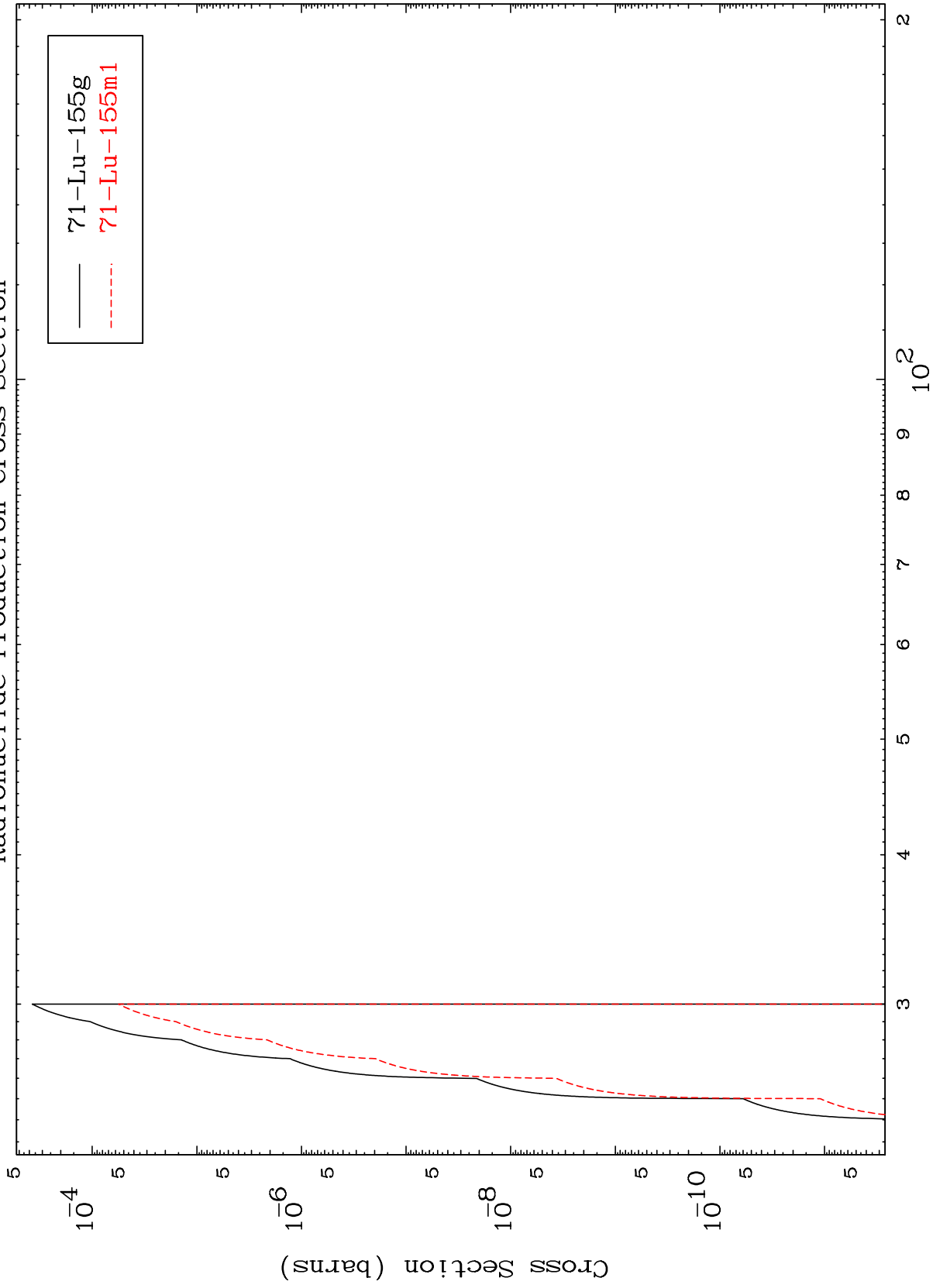
72-Hf-158

MAT 7177

(n,3n) p

72-Hf-158

Radionuclide Production Cross Section



78

Incident Energy (MeV)

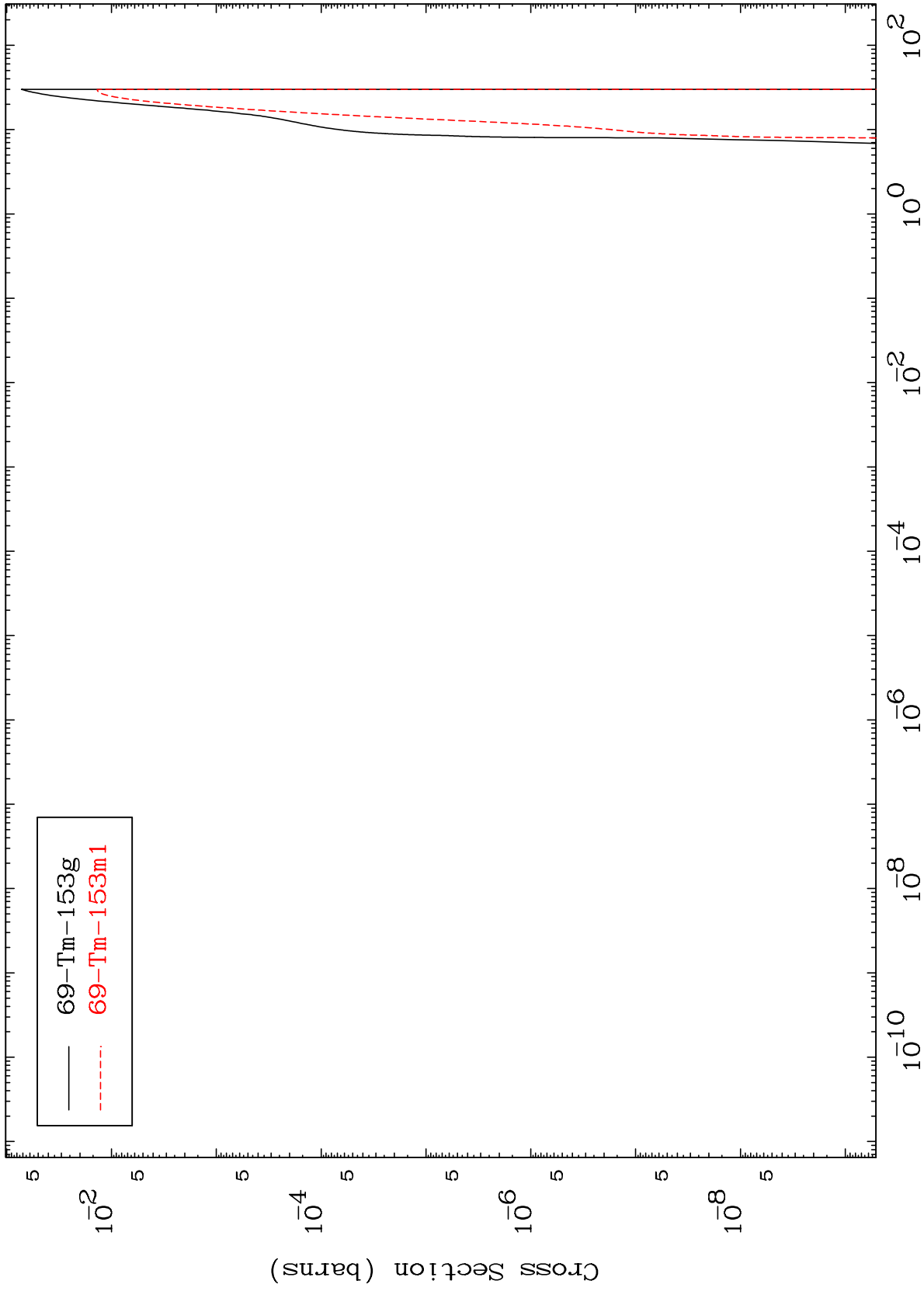
72-Hf-158

MAT 7177

(n,n') p α

72-Hf-158

Radionuclide Production Cross Section



69-Tm-153g
69-Tm-153m1

79

Incident Energy (MeV)

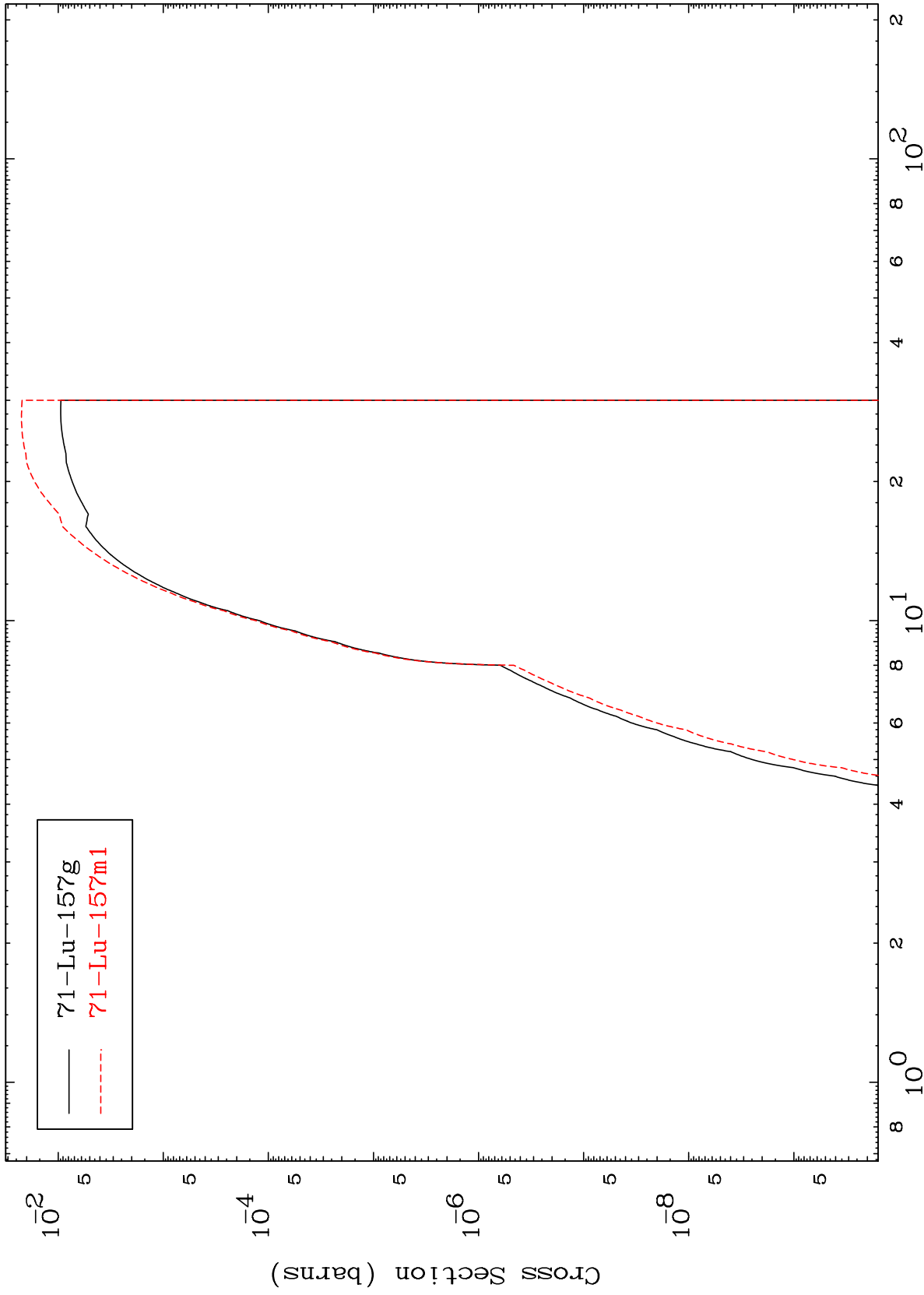
72-Hf-158

MAT 7177

(n,d)

72-Hf-158

Radionuclide Production Cross Section



80

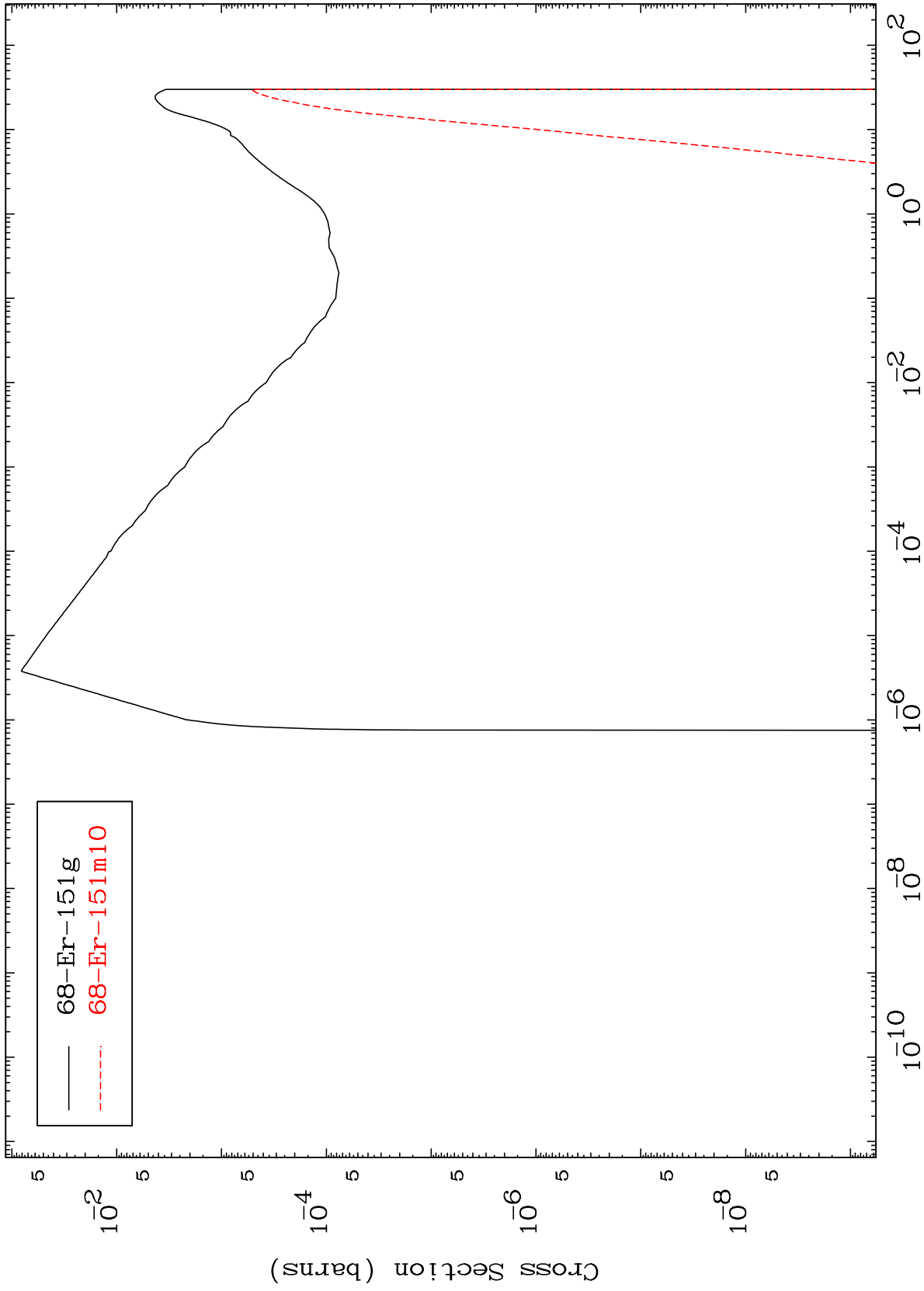
Incident Energy (MeV)

72-Hf-158

MAT 7177

72-Hf-158

(n,2α)
Radionuclide Production Cross Section



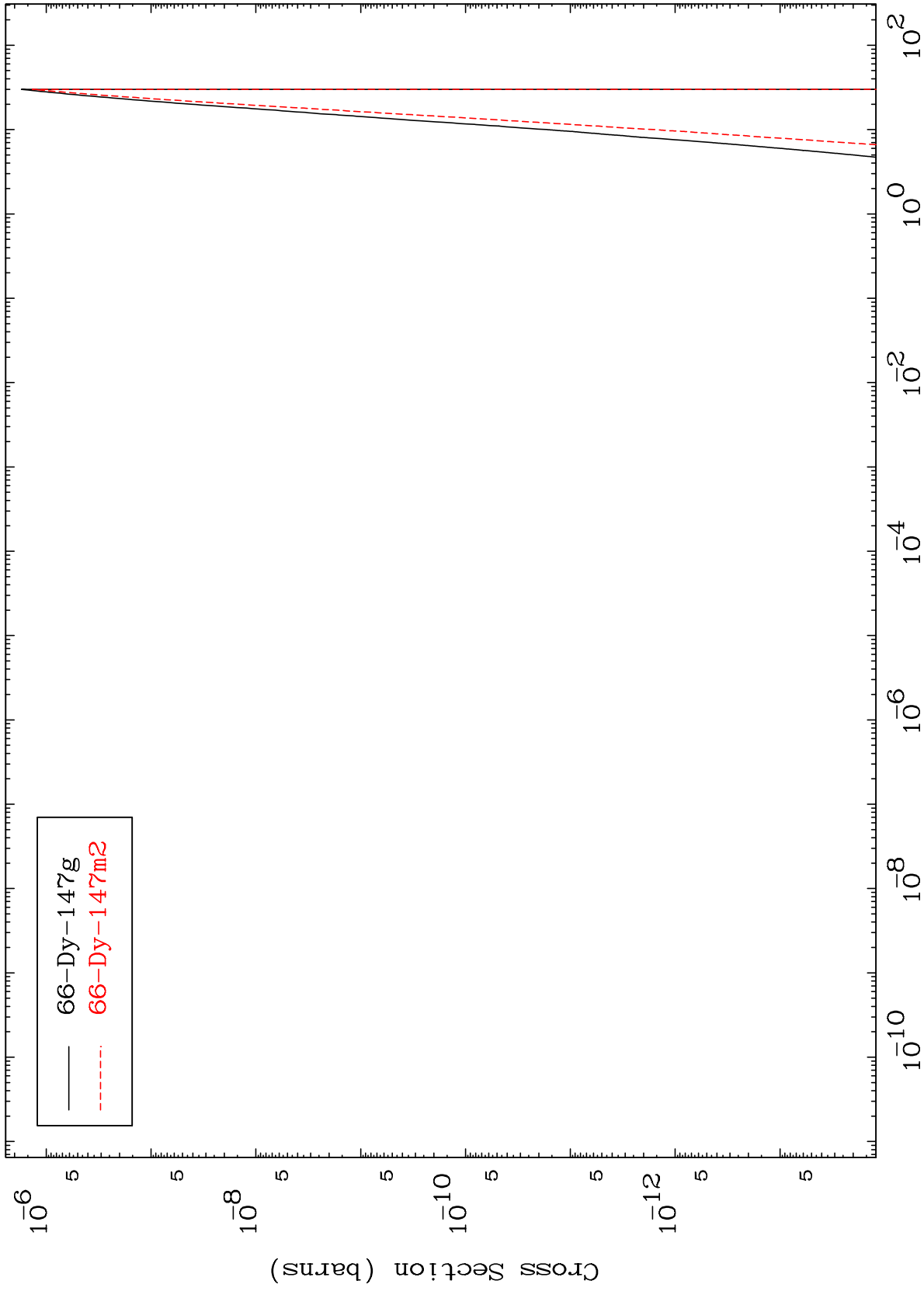
68-Er-151g
68-Er-151m10

MAT 7177

(n,3α)

72-Hf-158

Radionuclide Production Cross Section



82

Incident Energy (MeV)

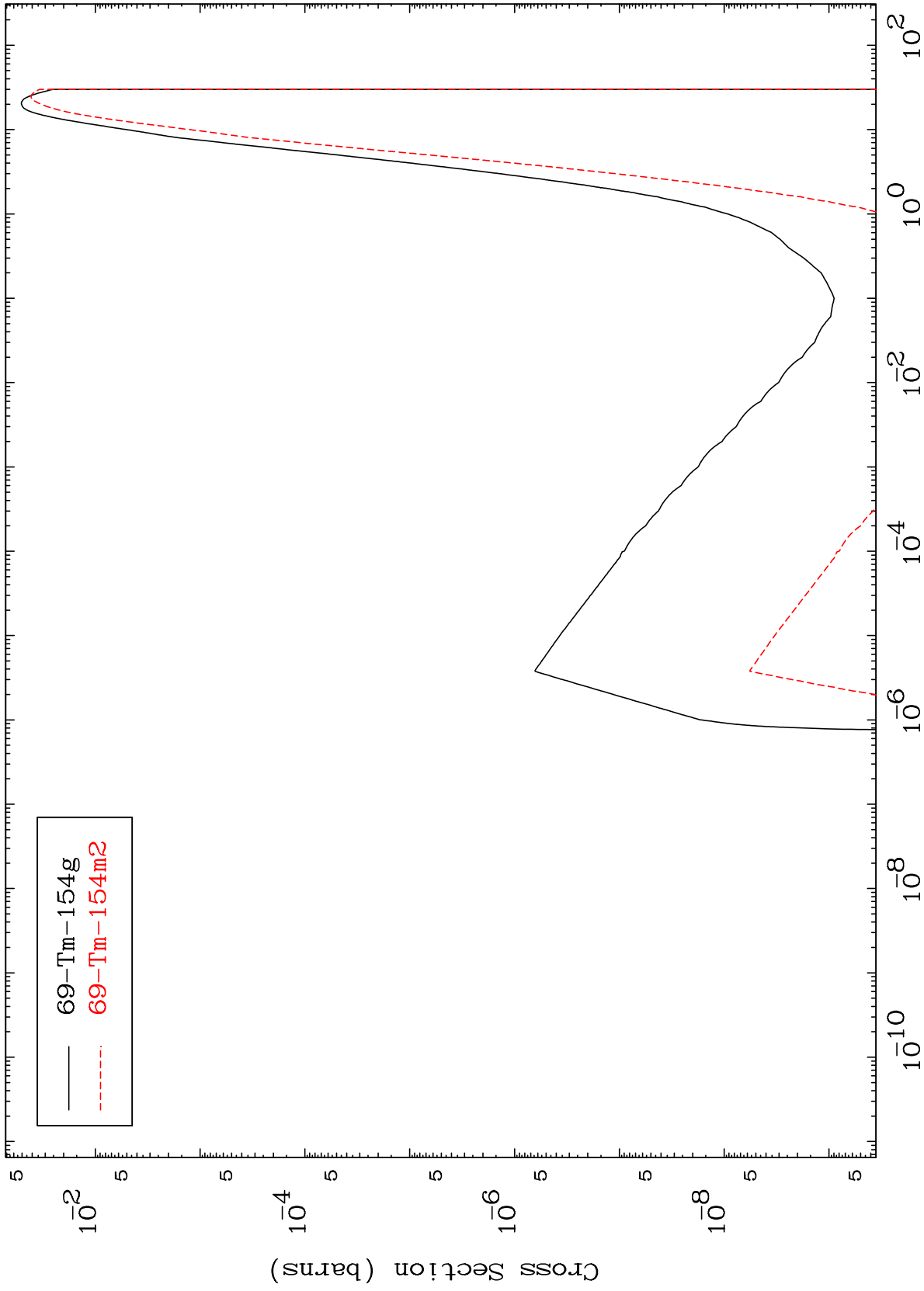
72-Hf-158

MAT 7177

(n,p) α

72-Hf-158

Radionuclide Production Cross Section



83

Incident Energy (MeV)

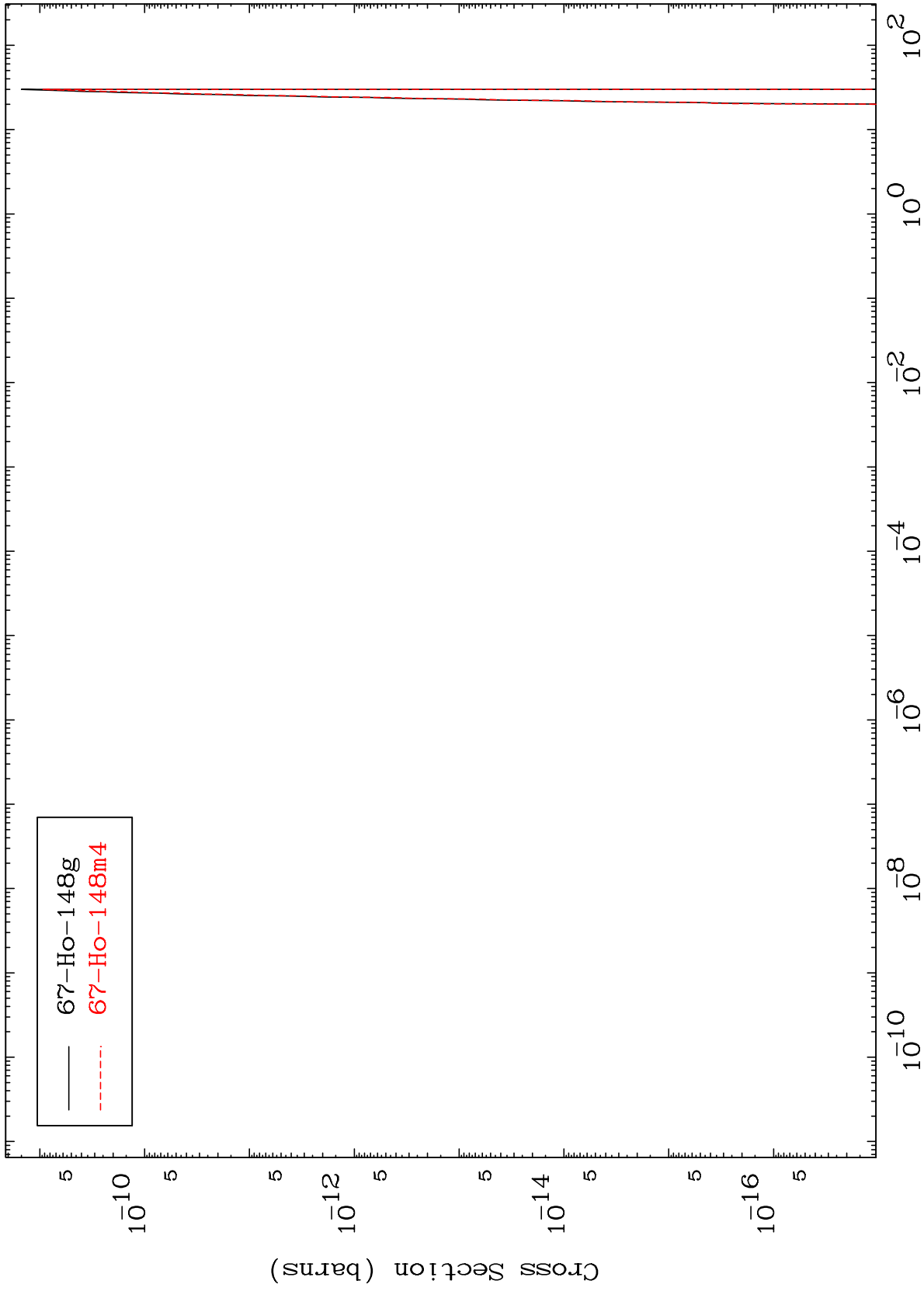
72-Hf-158

MAT 7177

(n, t) 2α

72-Hf-158

Radionuclide Production Cross Section



84

Incident Energy (MeV)

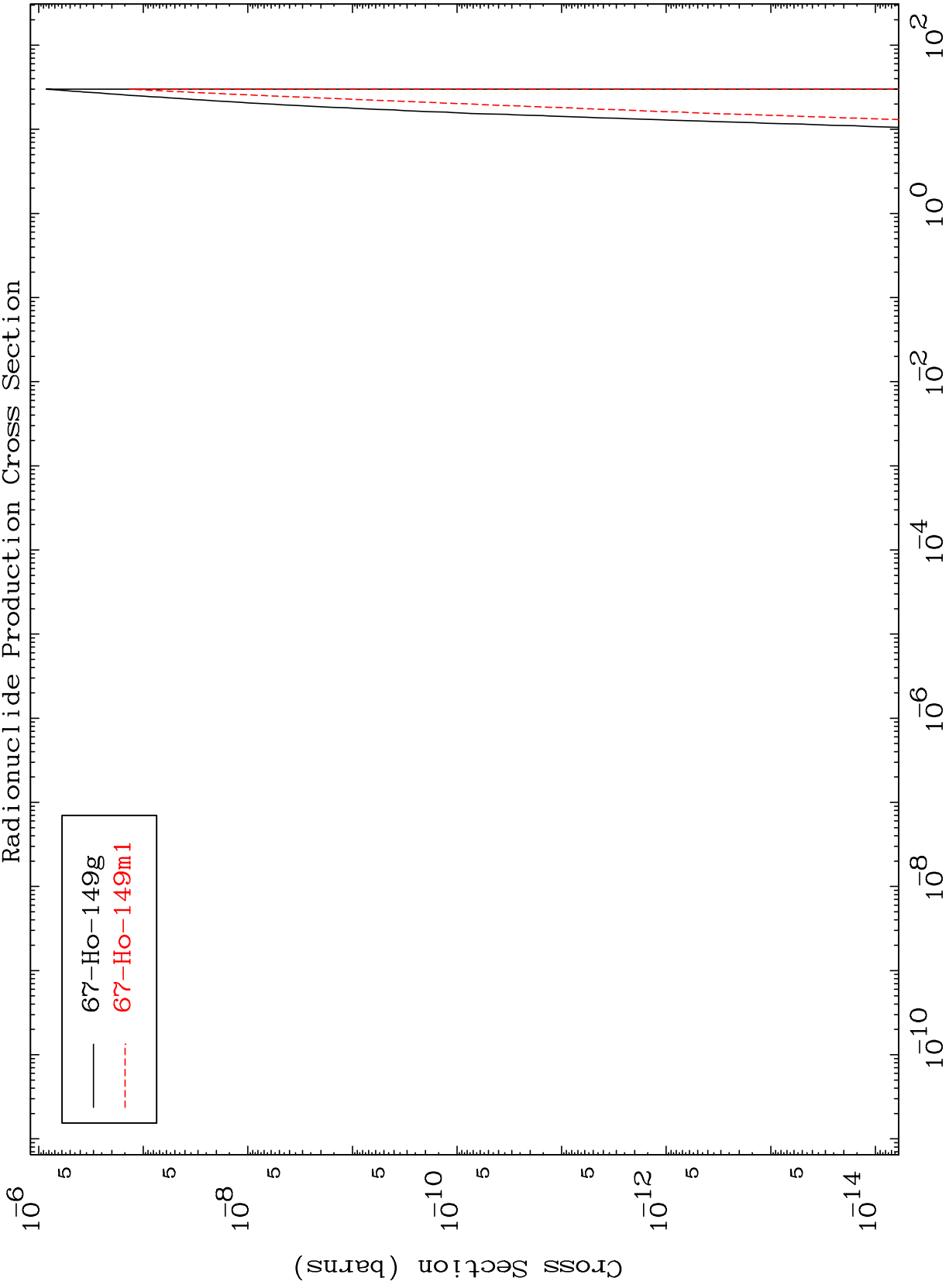
72-Hf-158

MAT 7177

(n,d) 2α

72-Hf-158

Radionuclide Production Cross Section



85

Incident Energy (MeV)

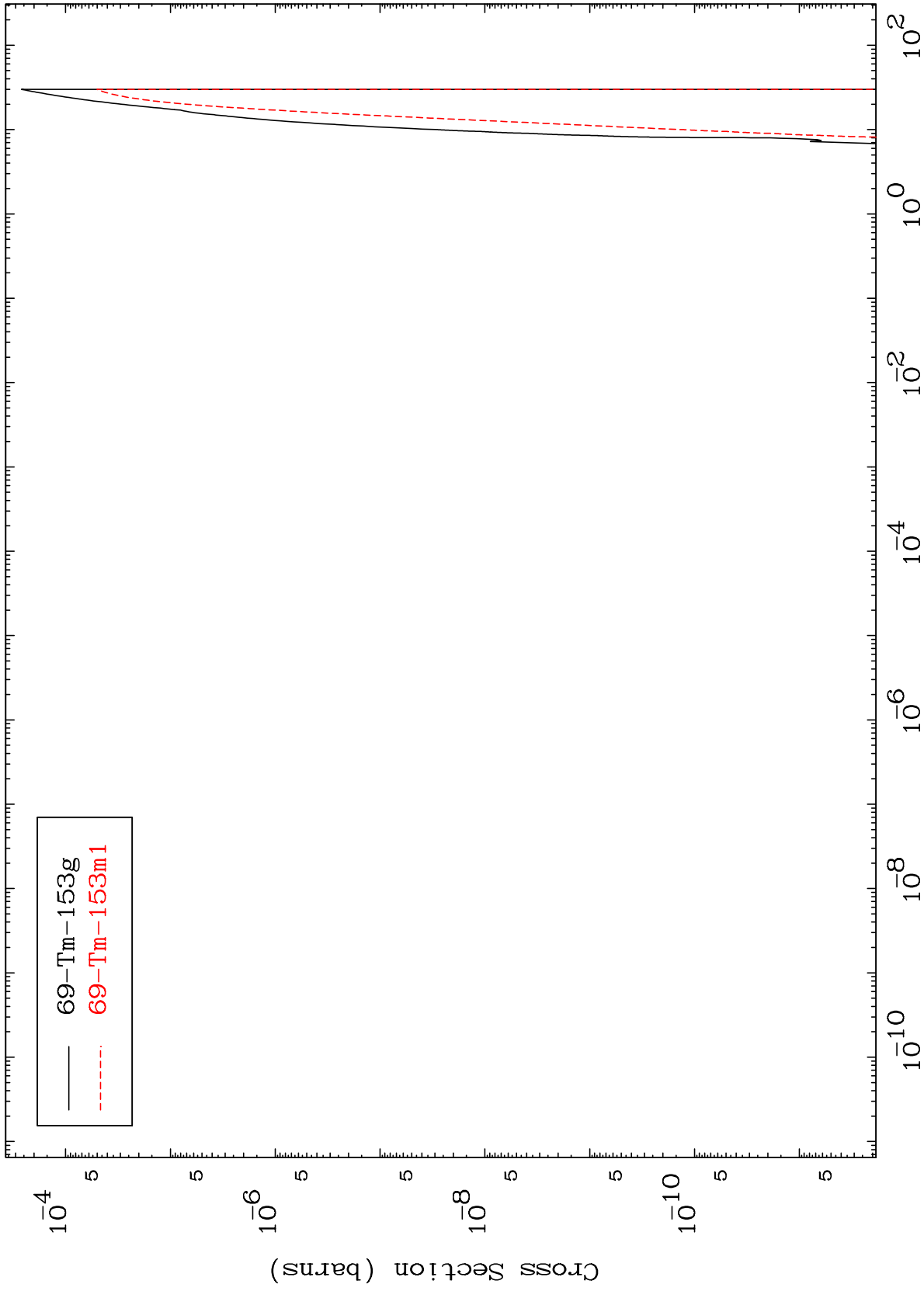
72-Hf-158

MAT 7177

(n,d) α

72-Hf-158

Radionuclide Production Cross Section



86

Incident Energy (MeV)

72-Hf-158