

Program EVALPLOT
(Version 2021-1)

by

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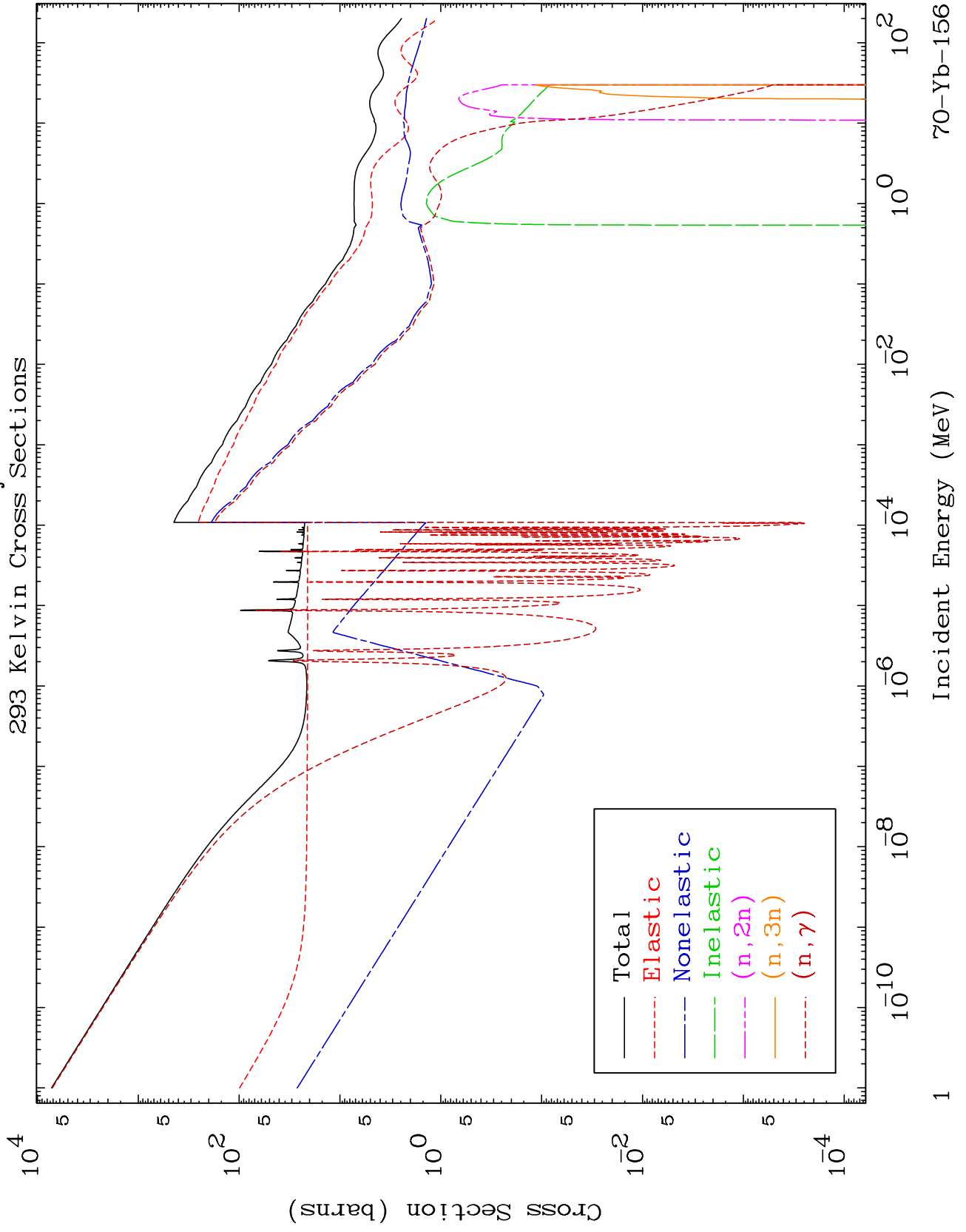
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Press Mouse Button to Start

MAT 6989

Neutron Major
293 Kelvin Cross Sections

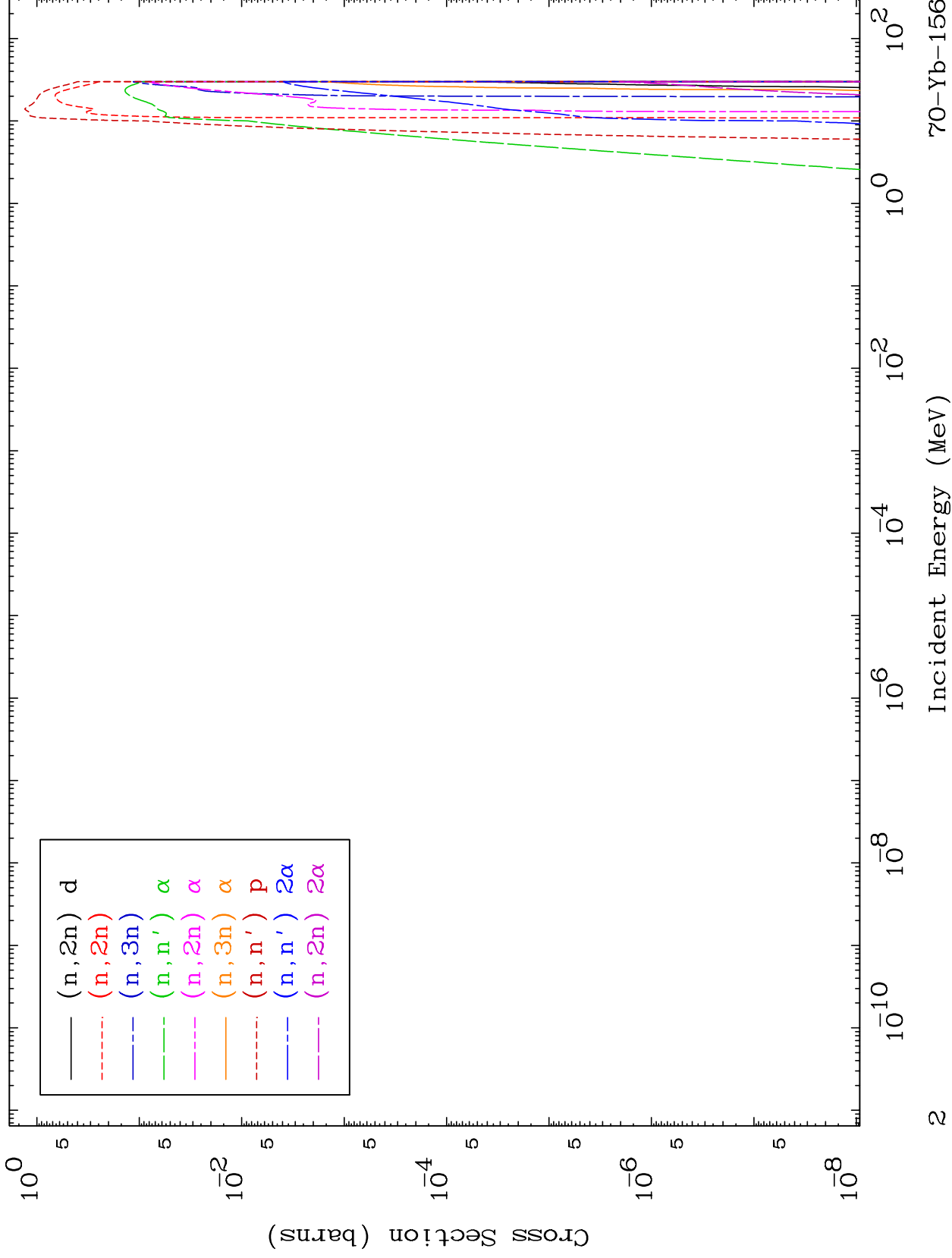
70-Yb-156



MAT 6989

Neutron Absorption
293 Kelvin Cross Sections

70-Yb-156



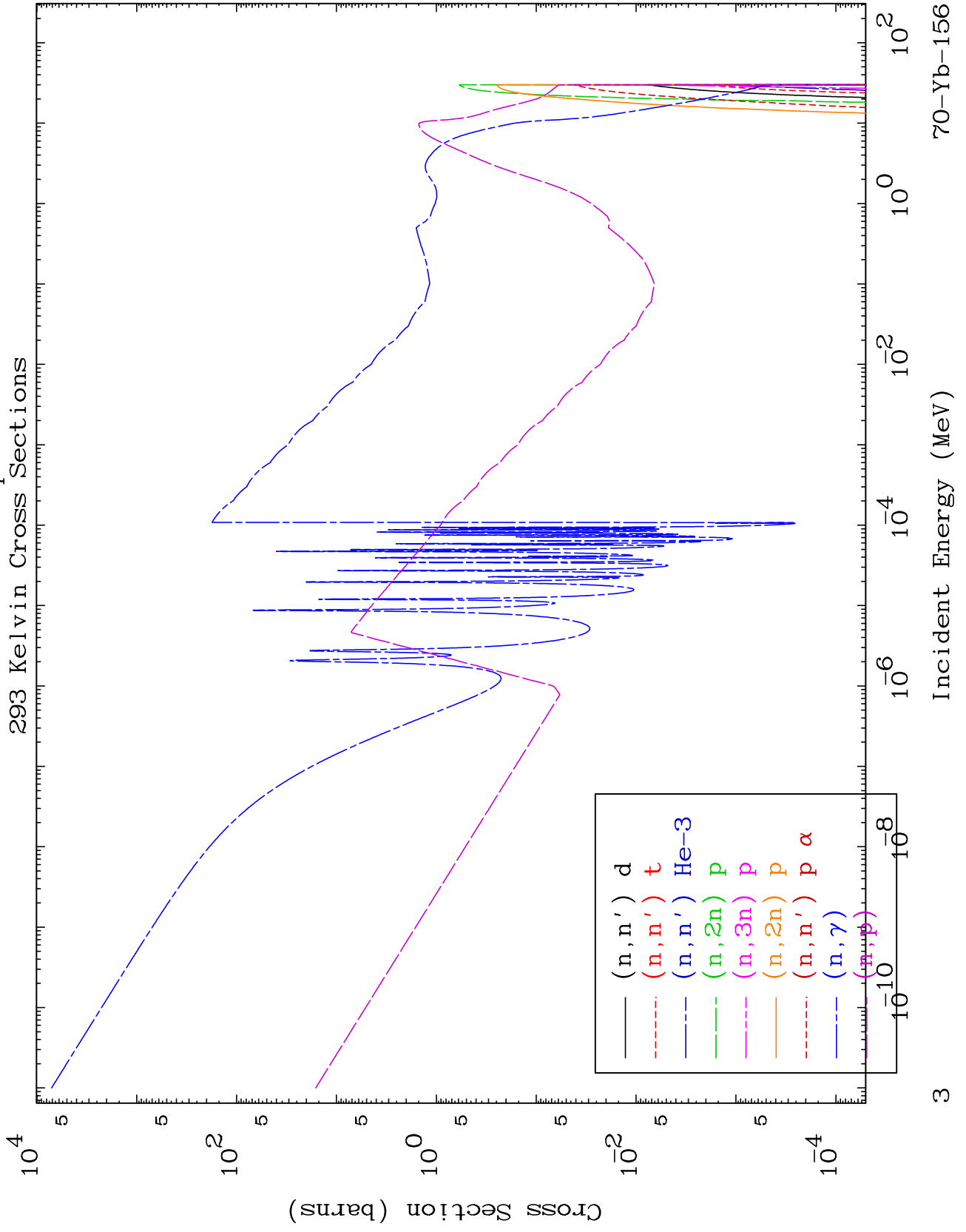
70-Yb-156

Incident Energy (MeV)

MAT 6989

Neutron Absorption
293 Kelvin Cross Sections

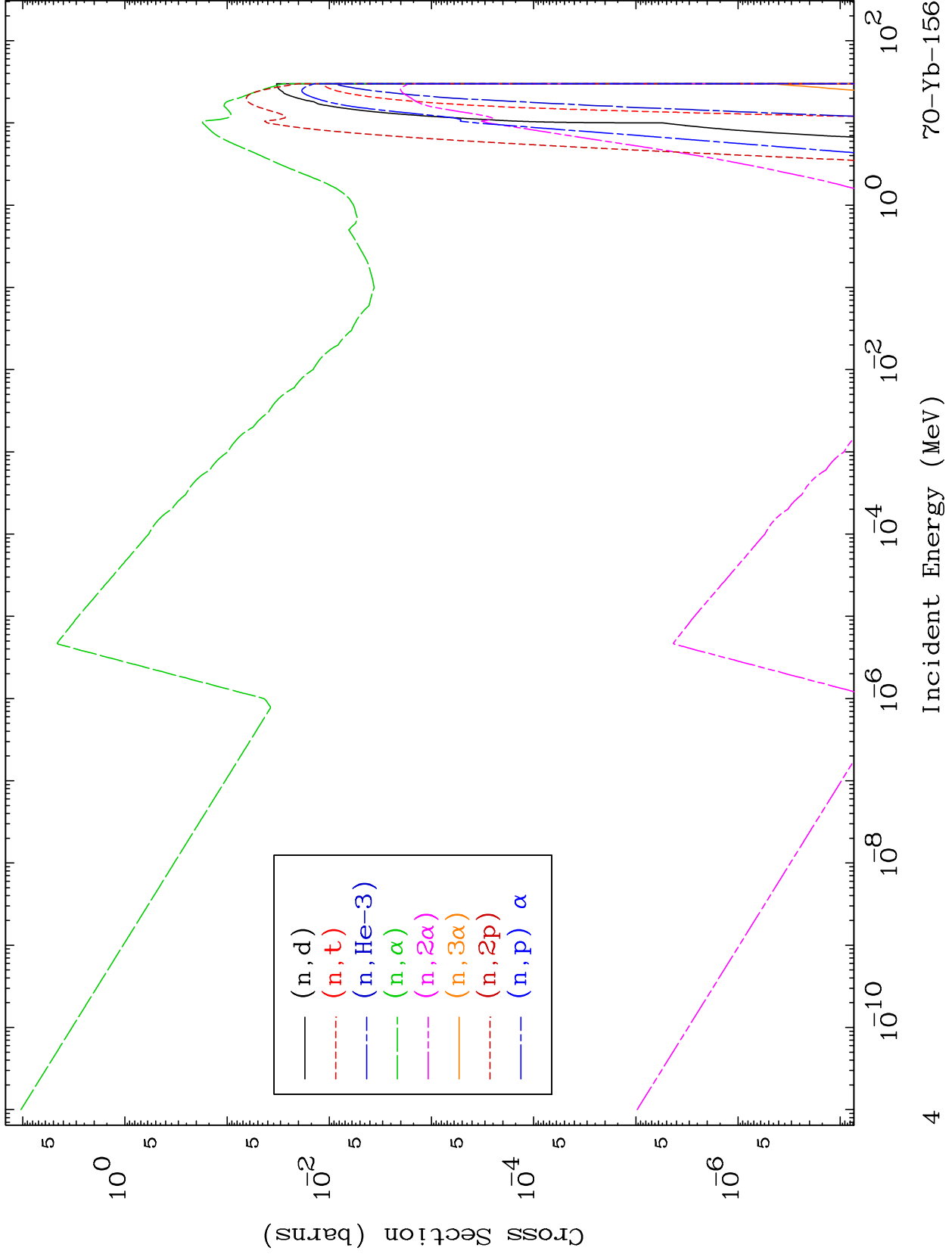
70-Yb-156



MAT 6989

Neutron Absorption
293 Kelvin Cross Sections

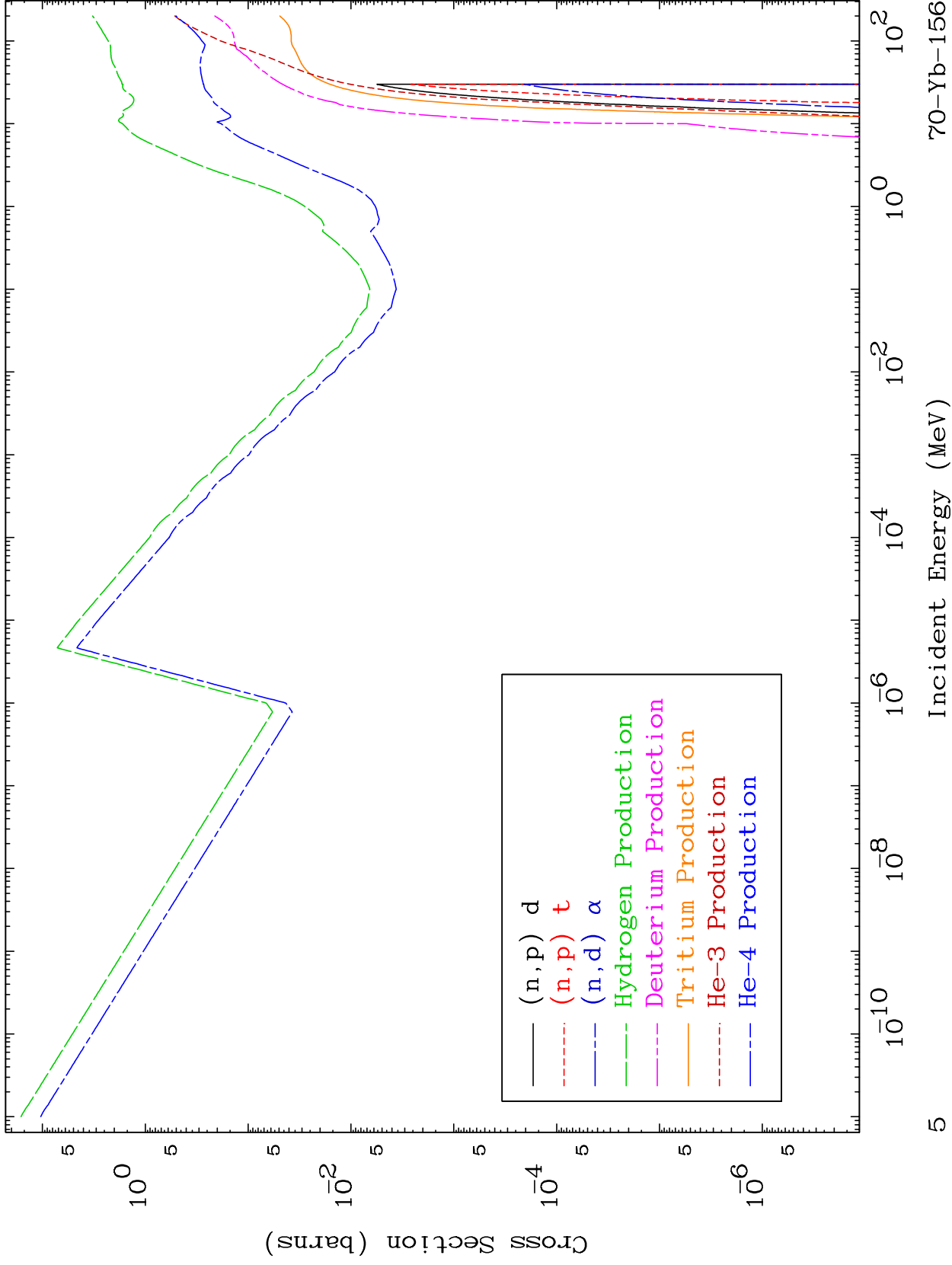
70-Yb-156



MAT 6989

Neutron Absorption
293 Kelvin Cross Sections

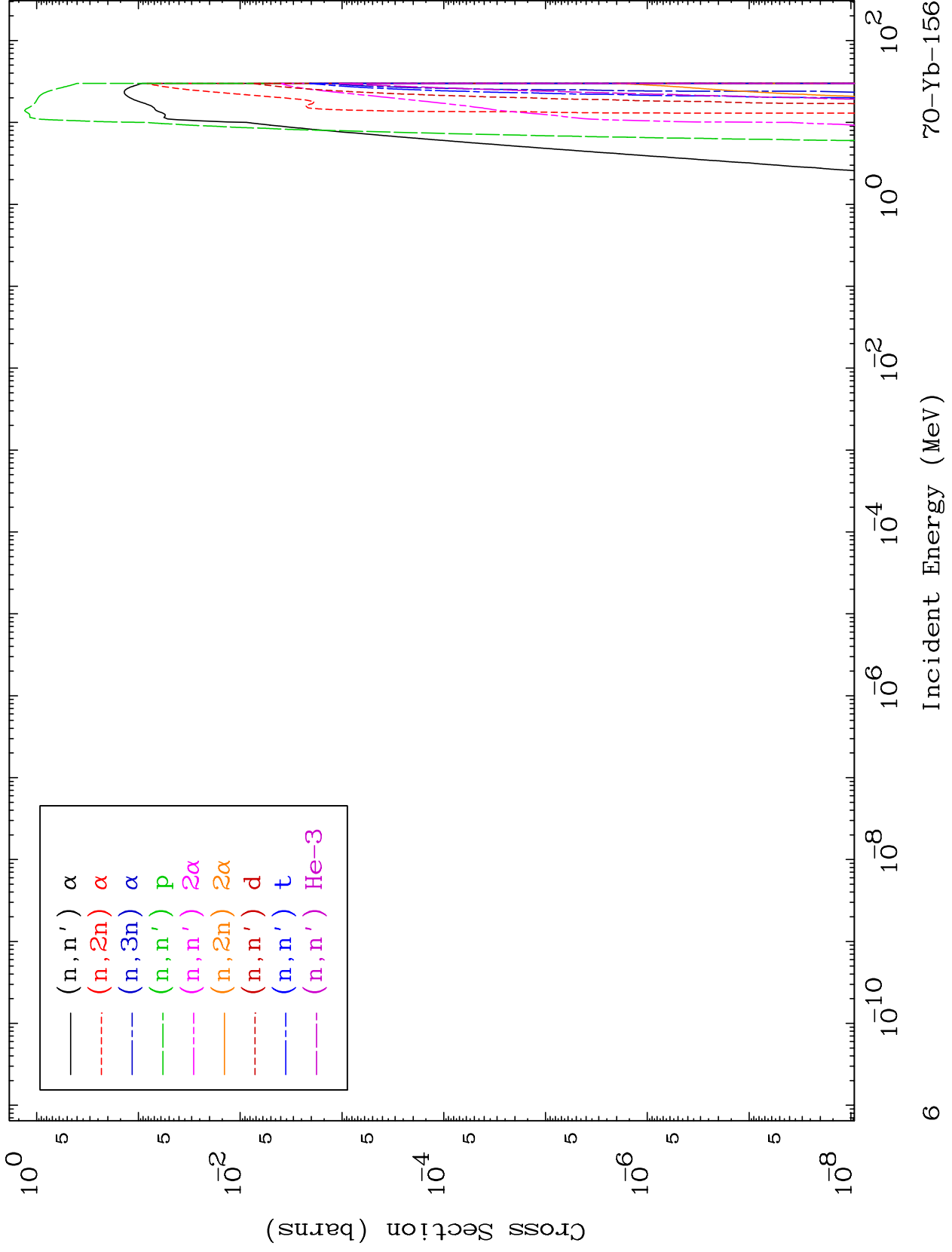
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MAT 6989

Charged Particle
293 Kelvin Cross Sections

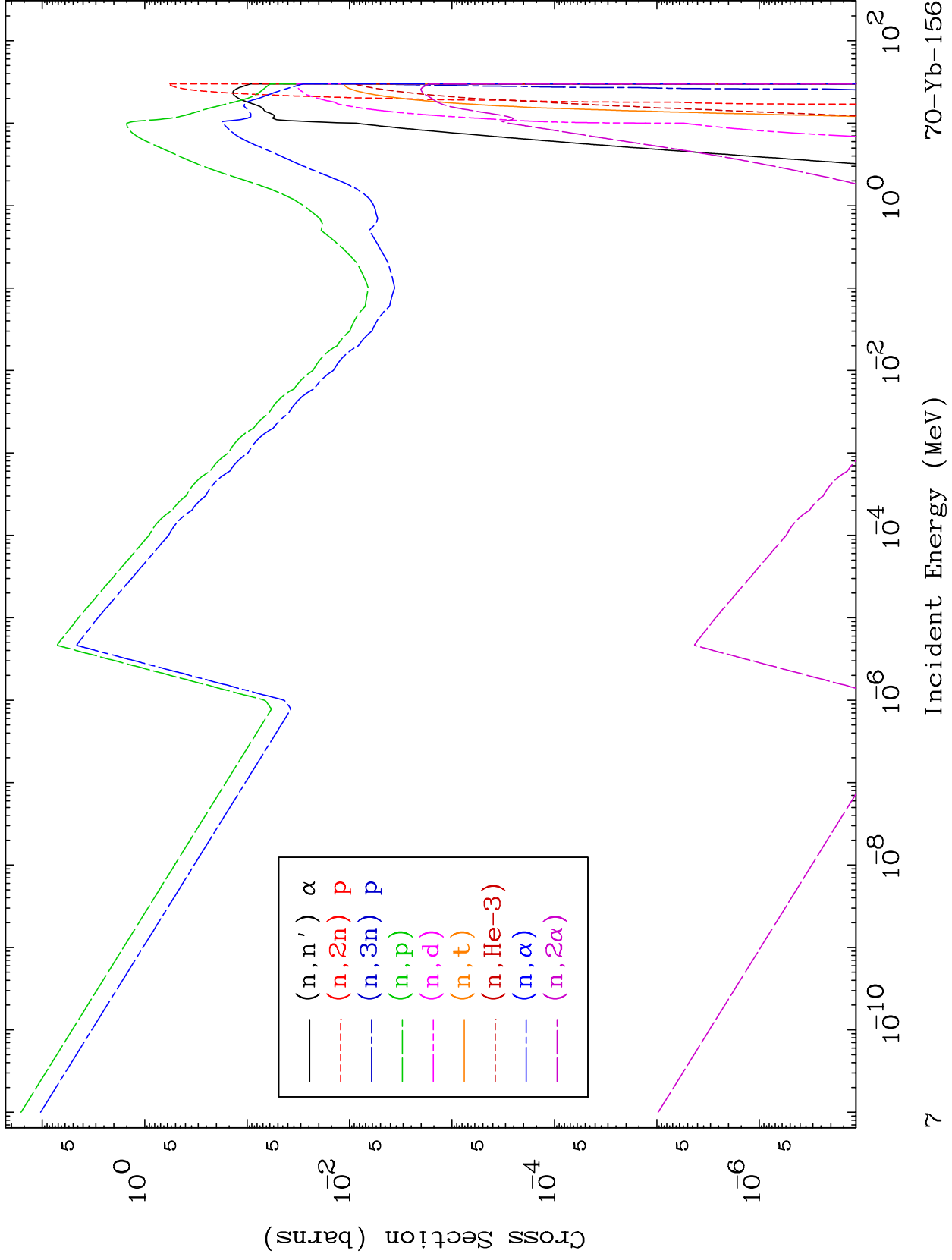
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MAT 6989

Charged Particle
293 Kelvin Cross Sections

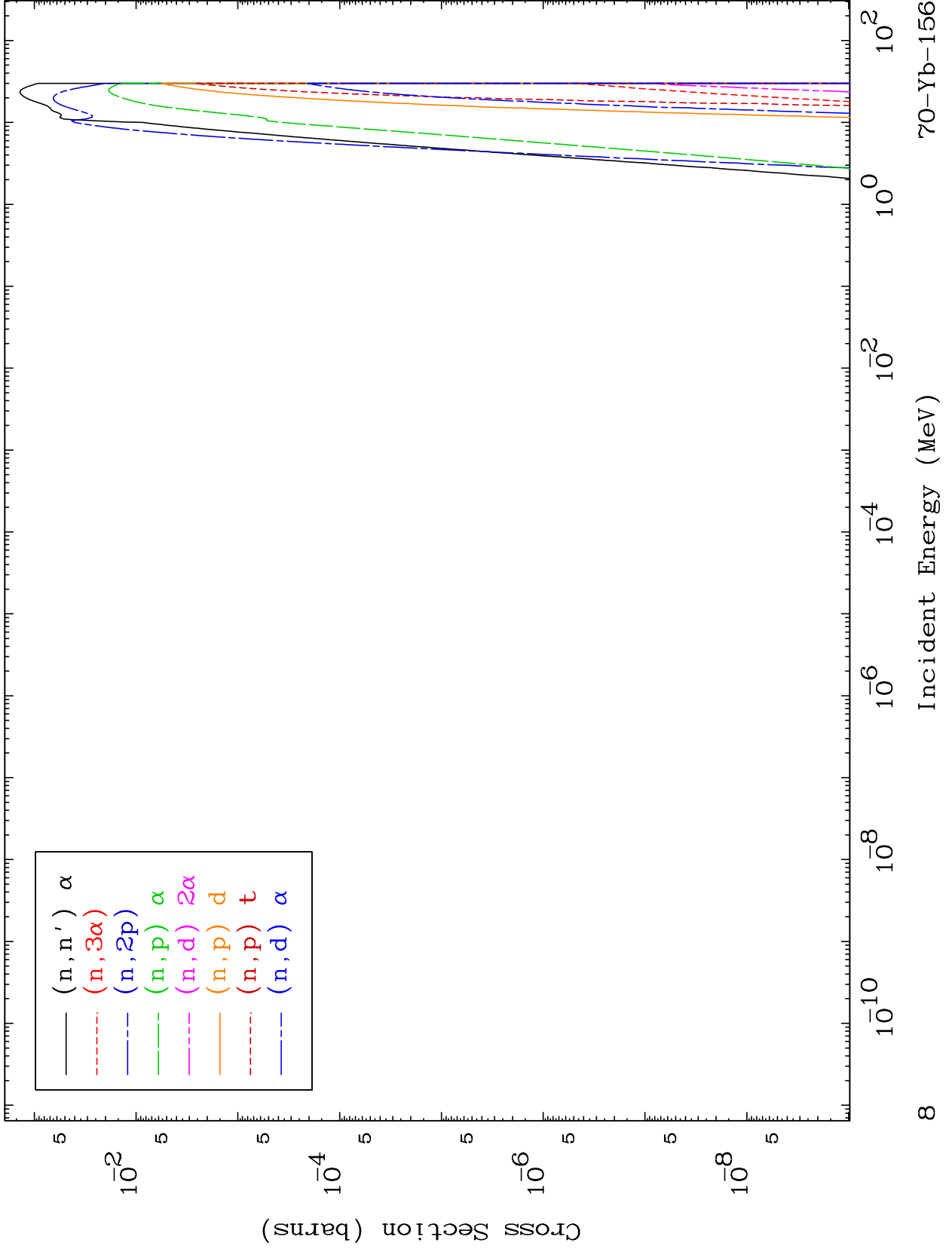
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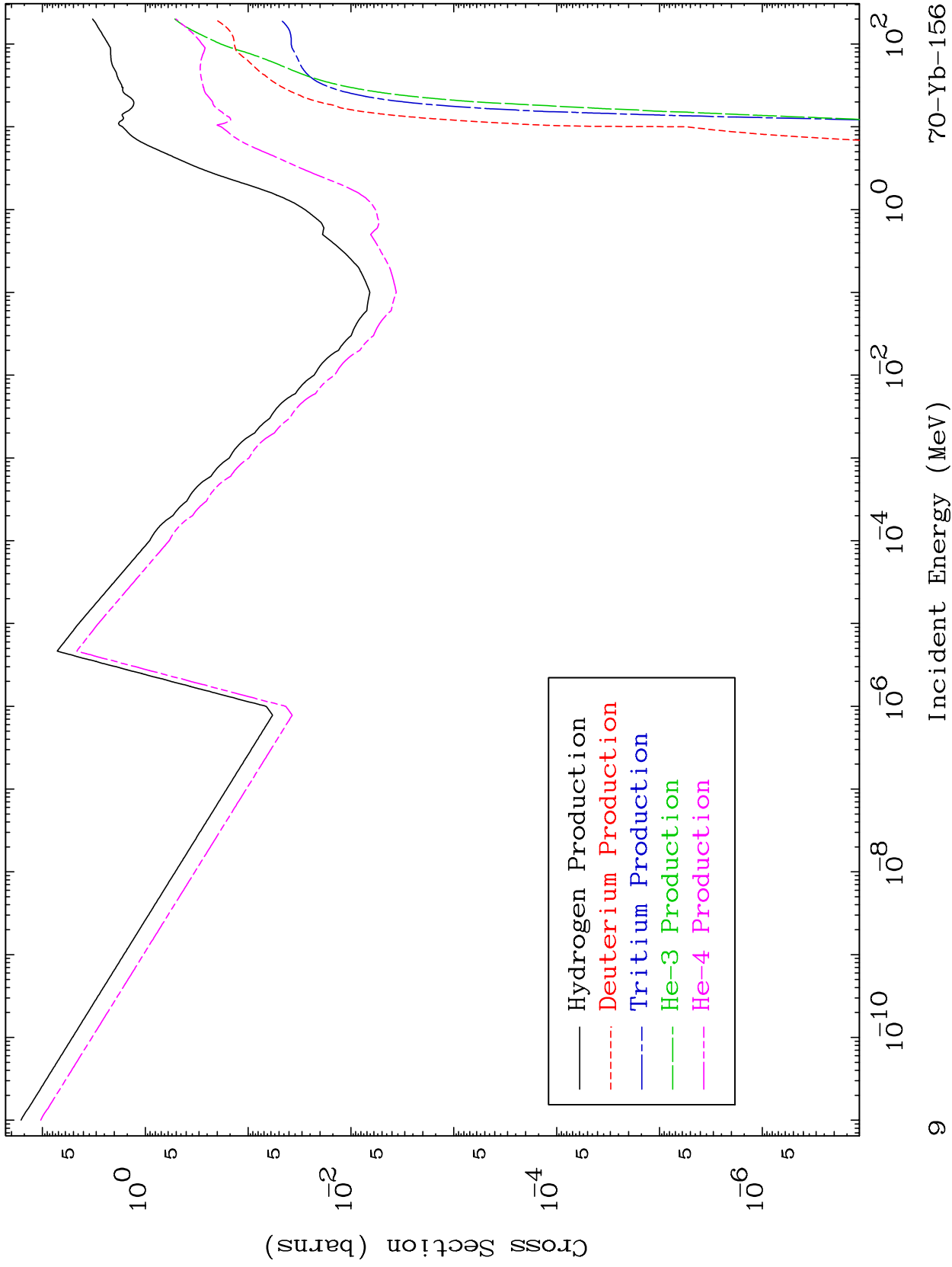


MAT 6989

Charged Particle
293 Kelvin Cross Sections

70-Yb-156

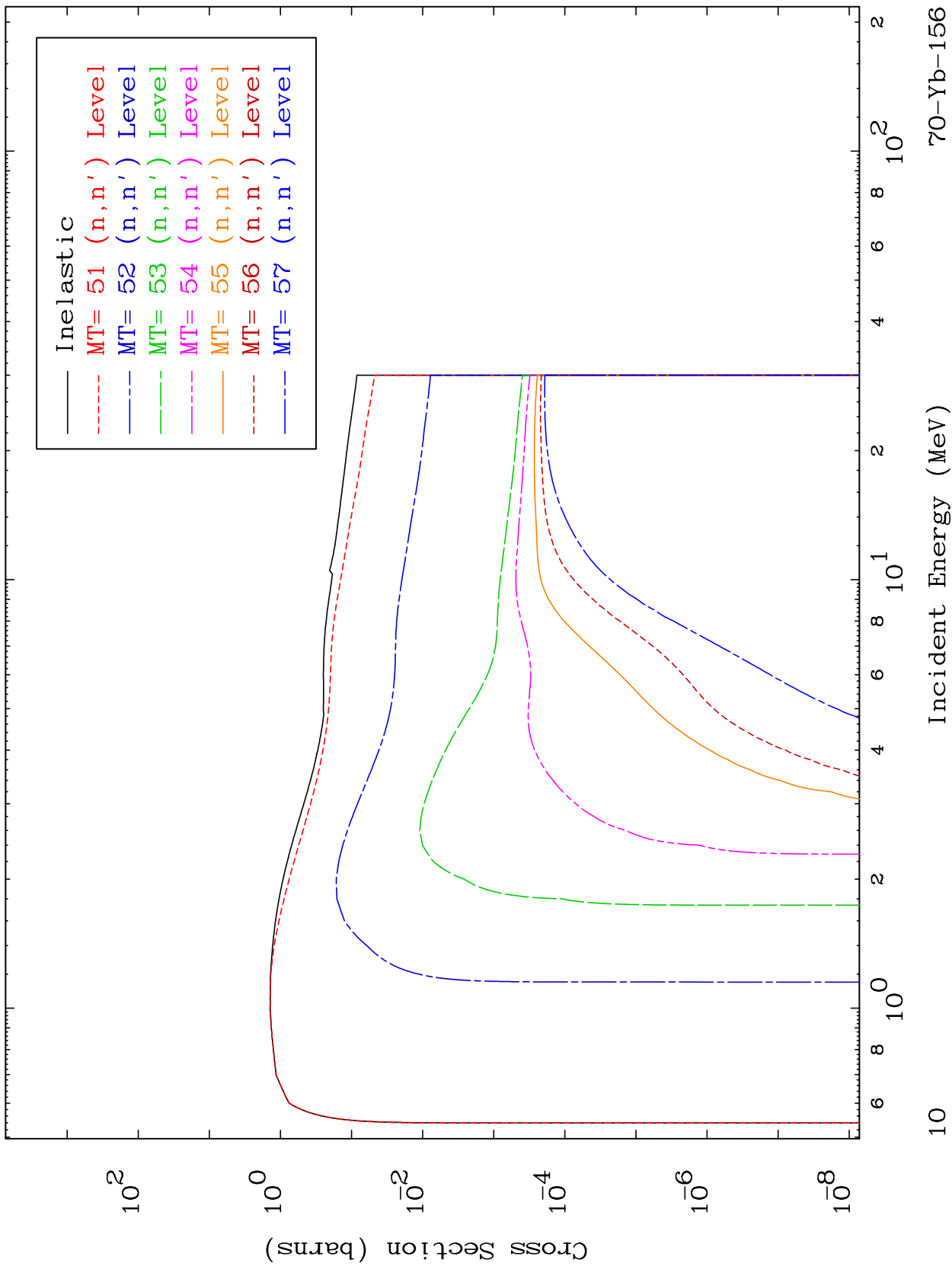




MAT 6989

(n,n') Levels
293 Kelvin Cross Sections

70-Yb-156



70-Yb-156

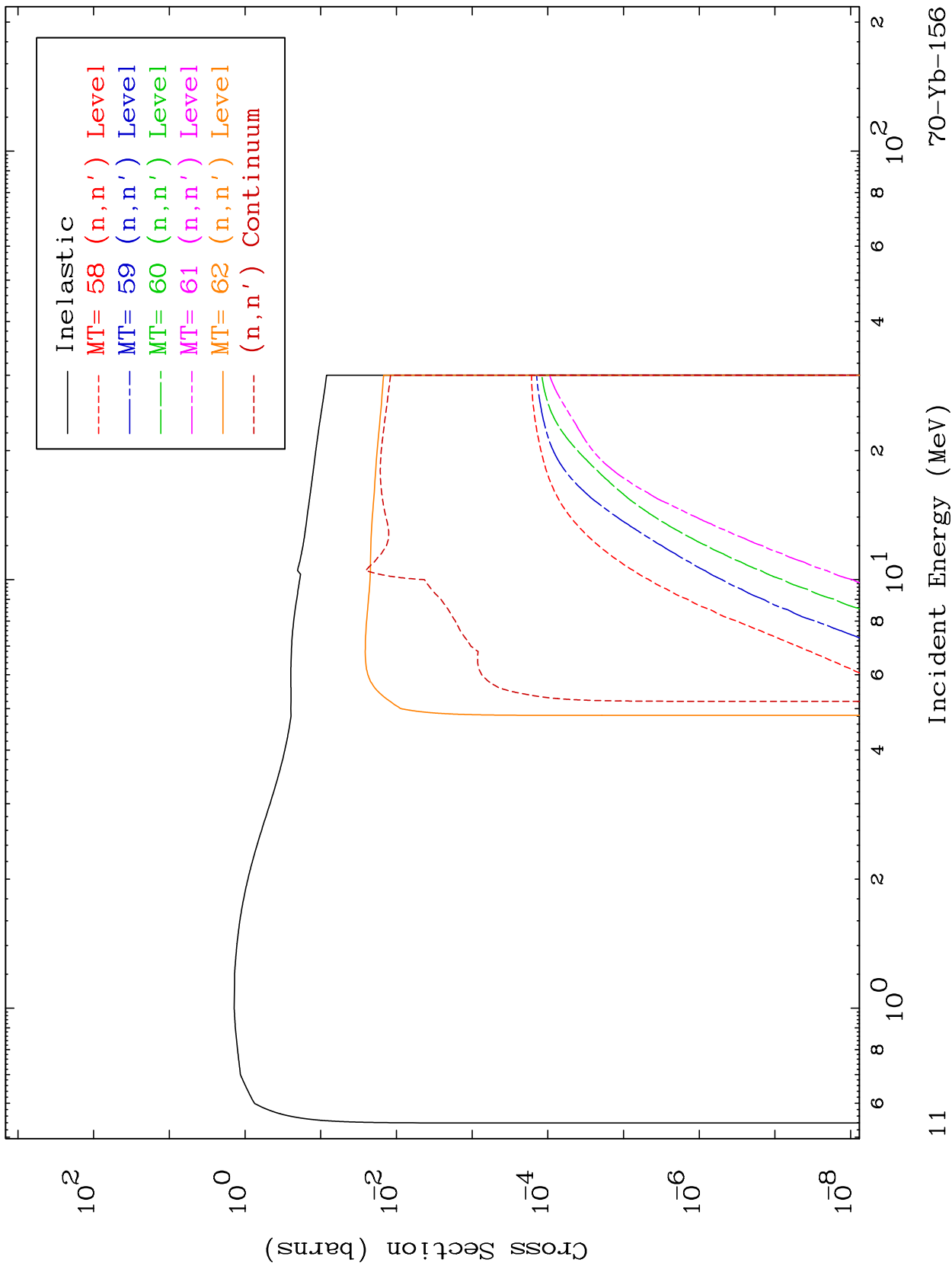
Incident Energy (MeV)

10

MAT 6989

(n,n') Levels
293 Kelvin Cross Sections

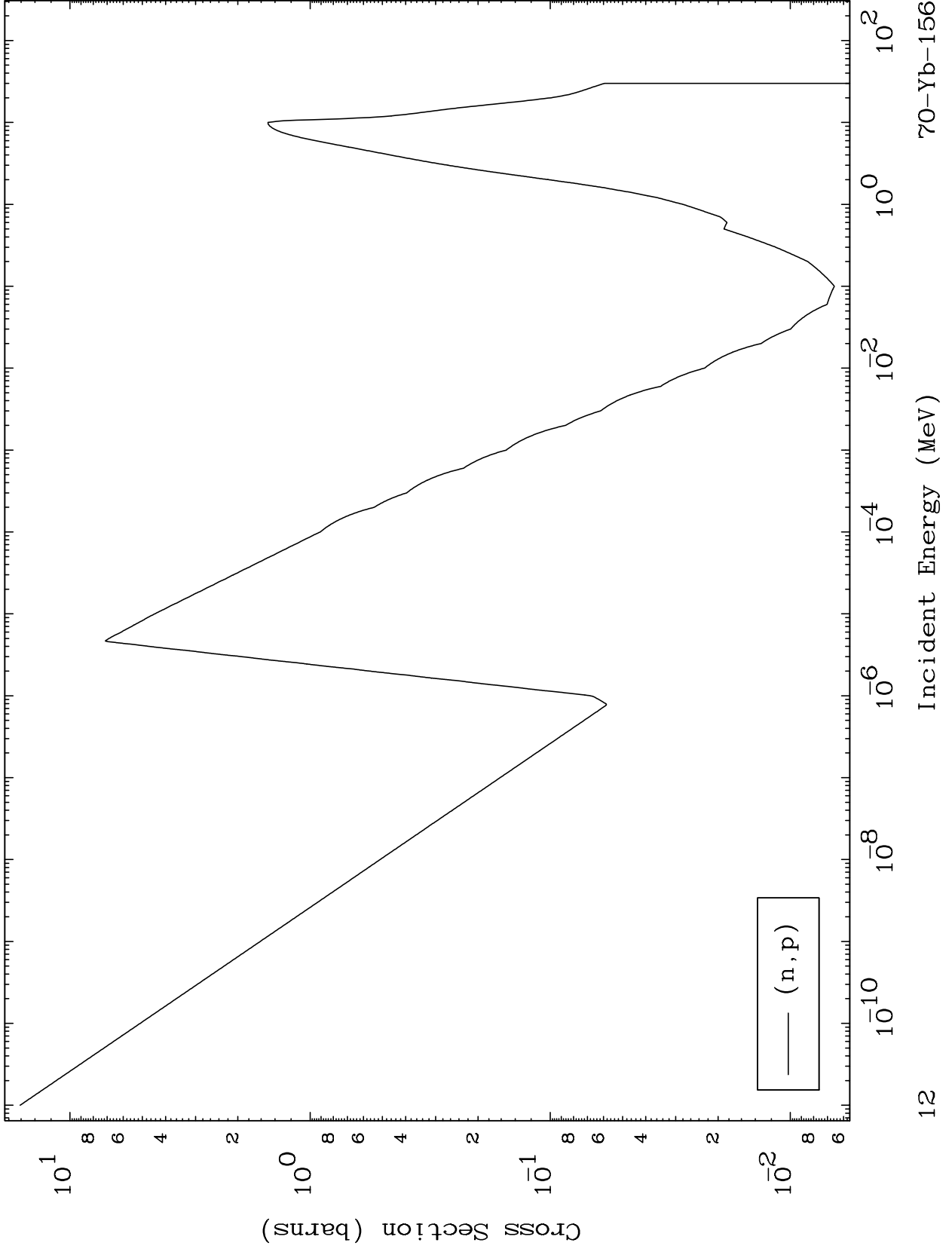
70-Yb-156



MAT 6989

(n,p) Levels
293 Kelvin Cross Sections

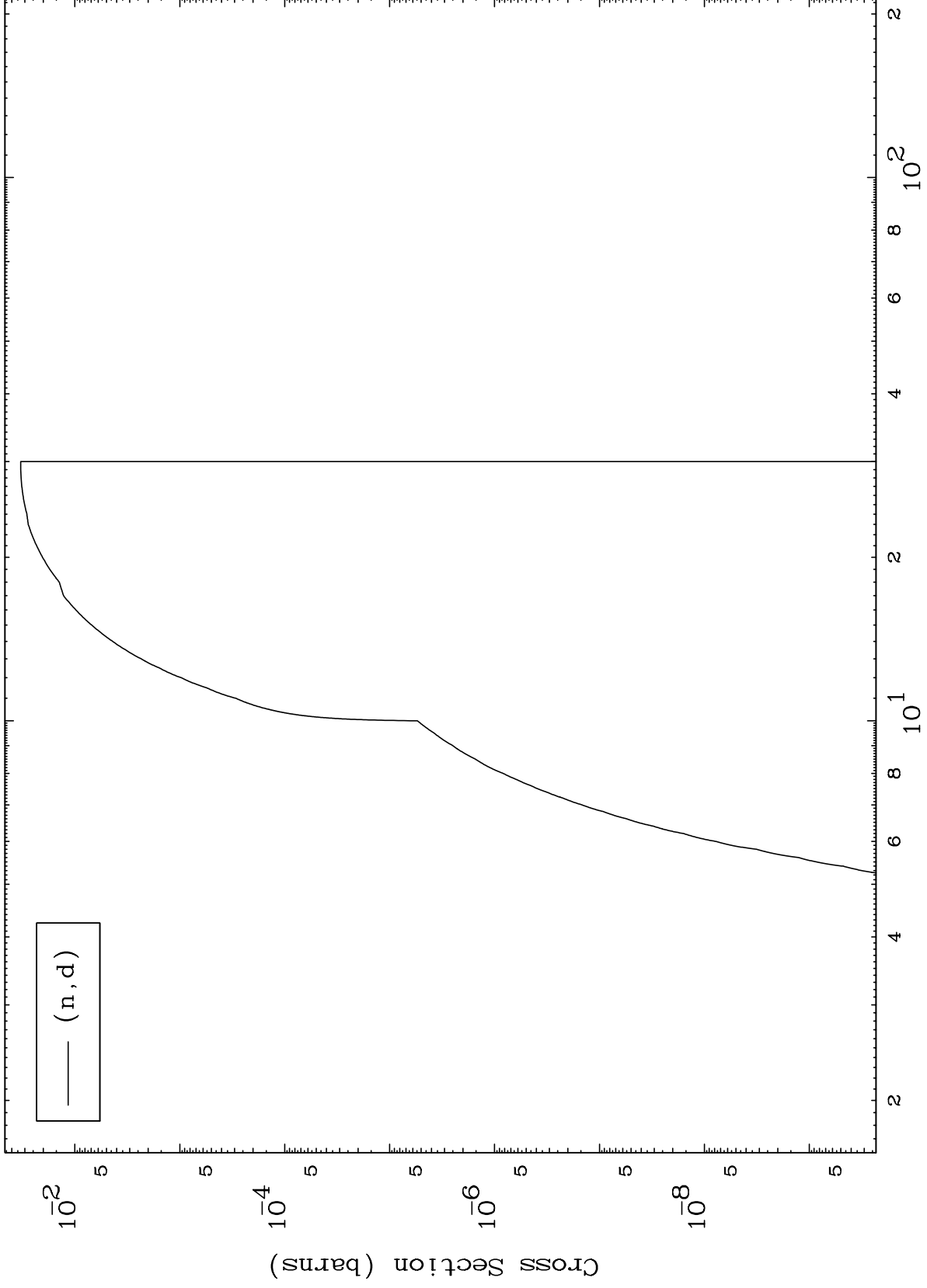
70-Yb-156



MAT 6989

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-156



13

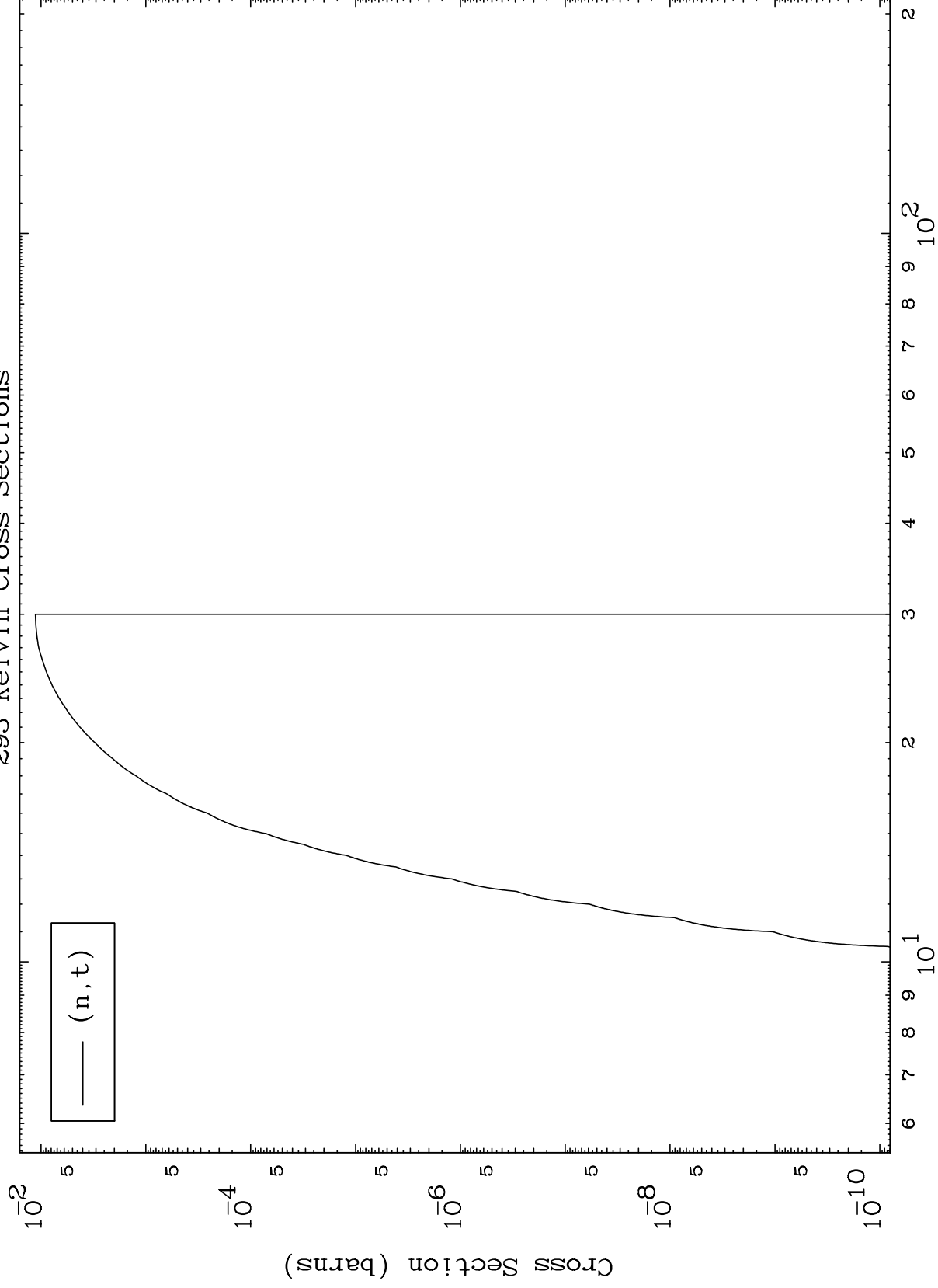
Incident Energy (MeV)

70-Yb-156

MAT 6989

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-156



14

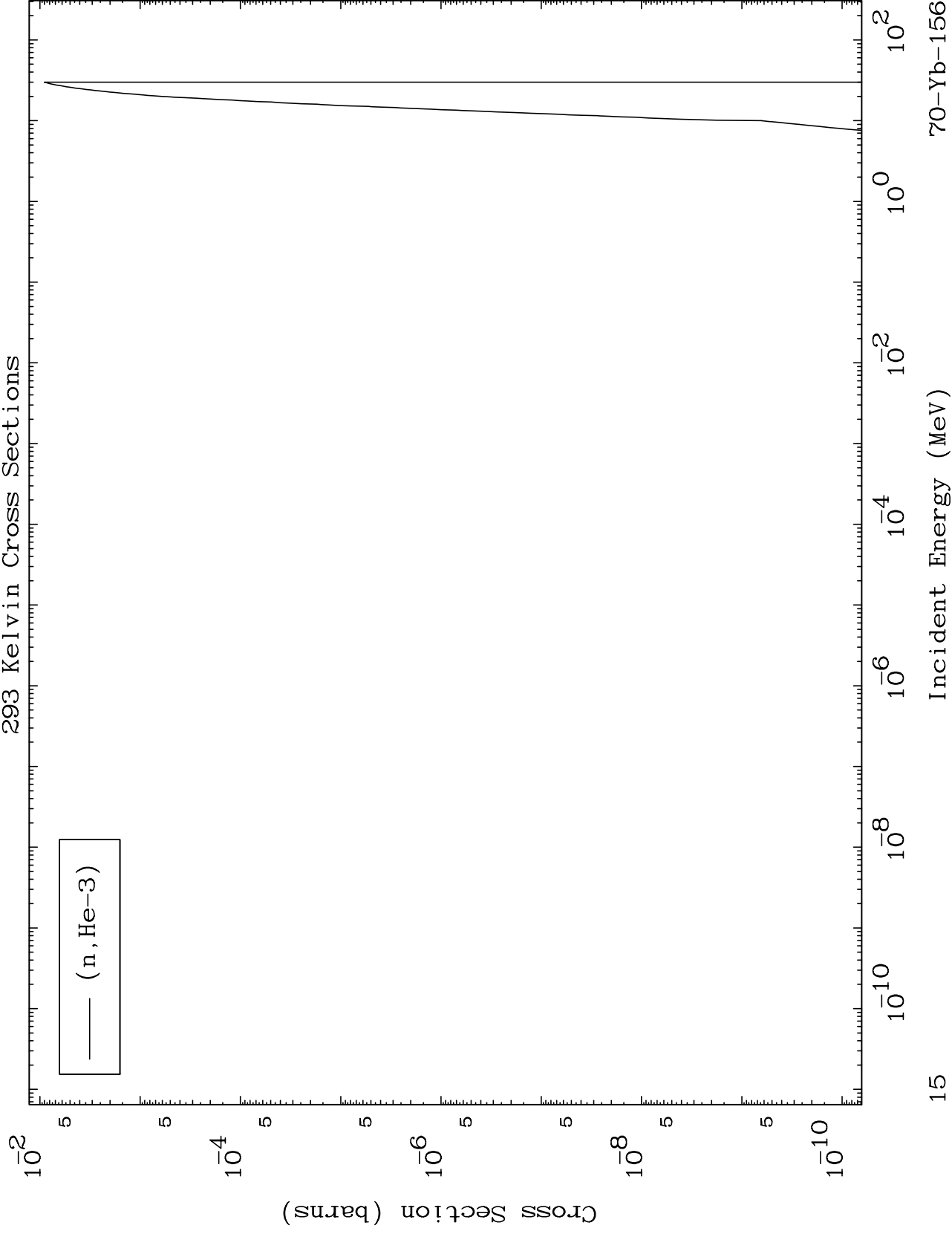
Incident Energy (MeV)

70-Yb-156

MAT 6989

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-156

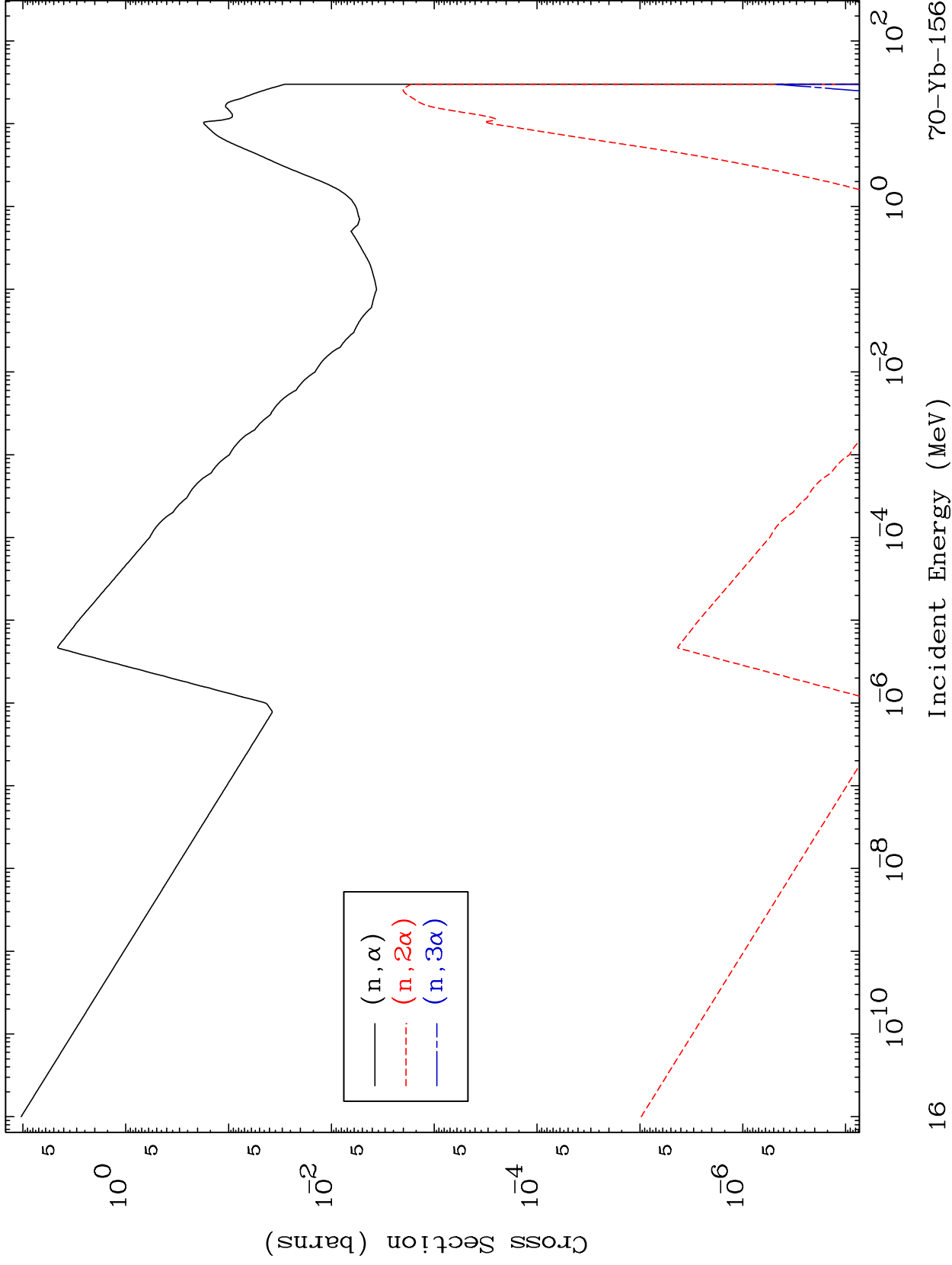


(n, He-3)

MAT 6989

(n, α) Levels
293 Kelvin Cross Sections

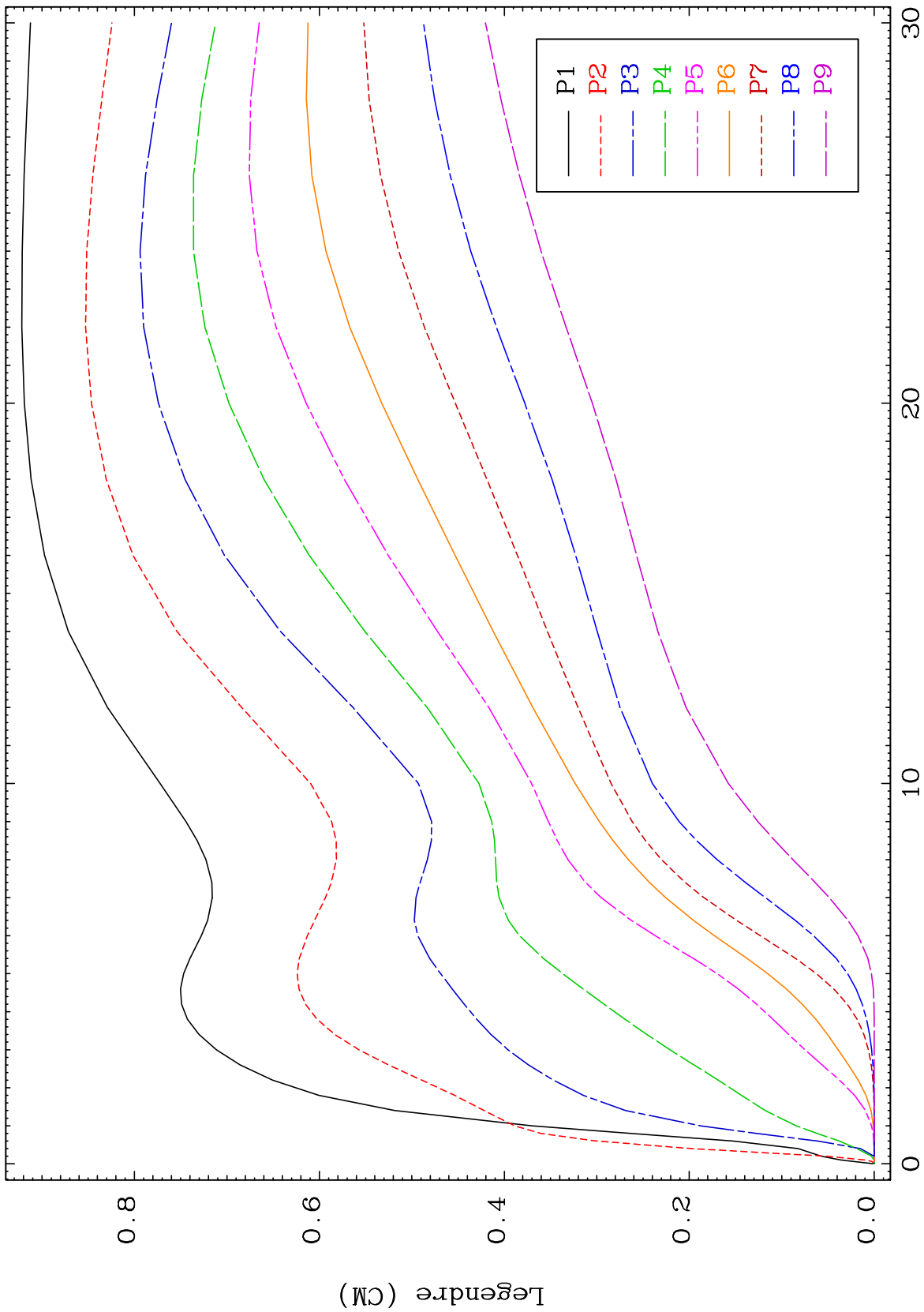
70-Yb-156



MAT 6989

70-Yb-156

Elastic Legendre Coefficients



17

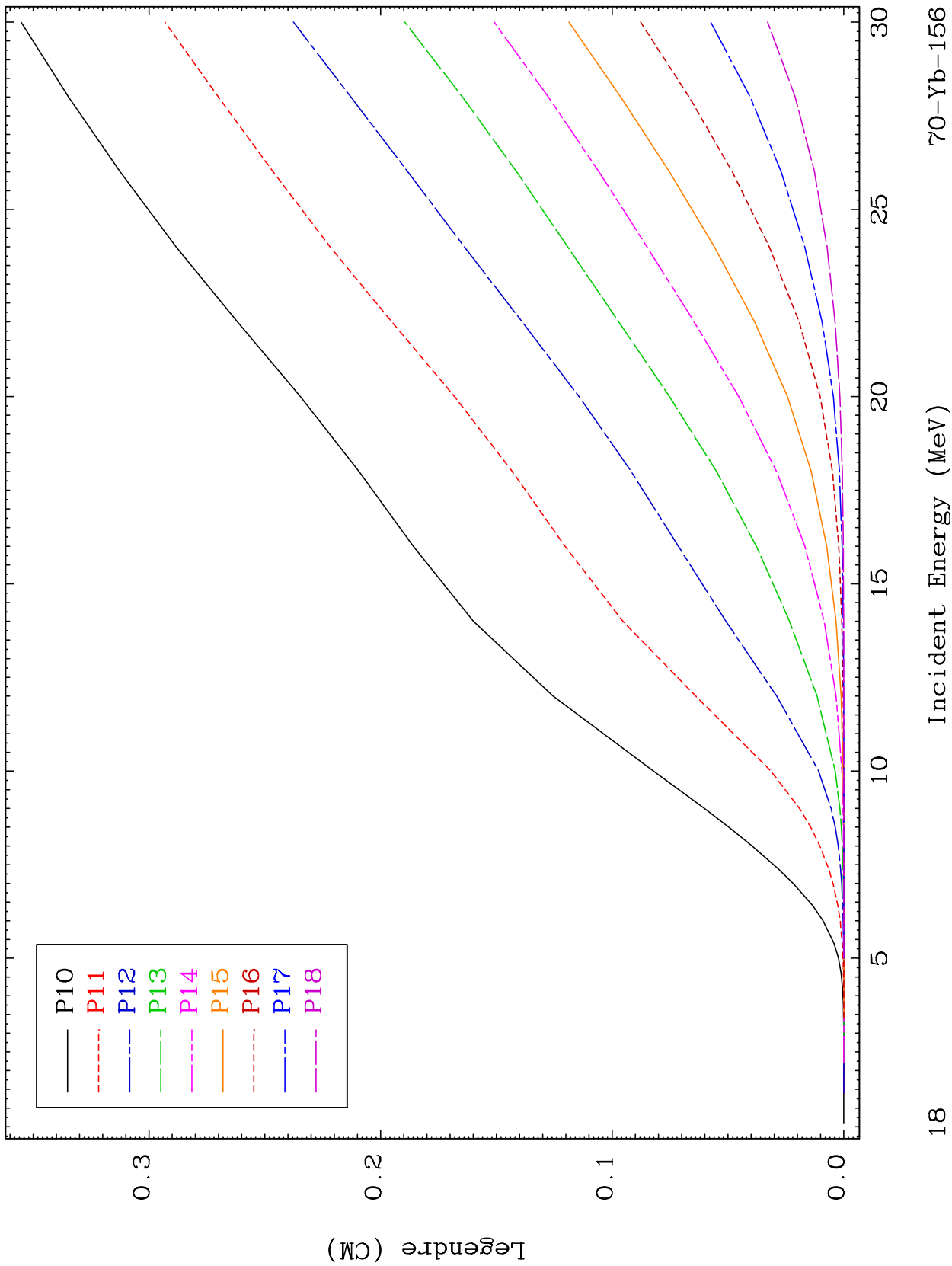
Incident Energy (MeV)

70-Yb-156

MAT 6989

Elastic Legendre Coefficients

70-Yb-156



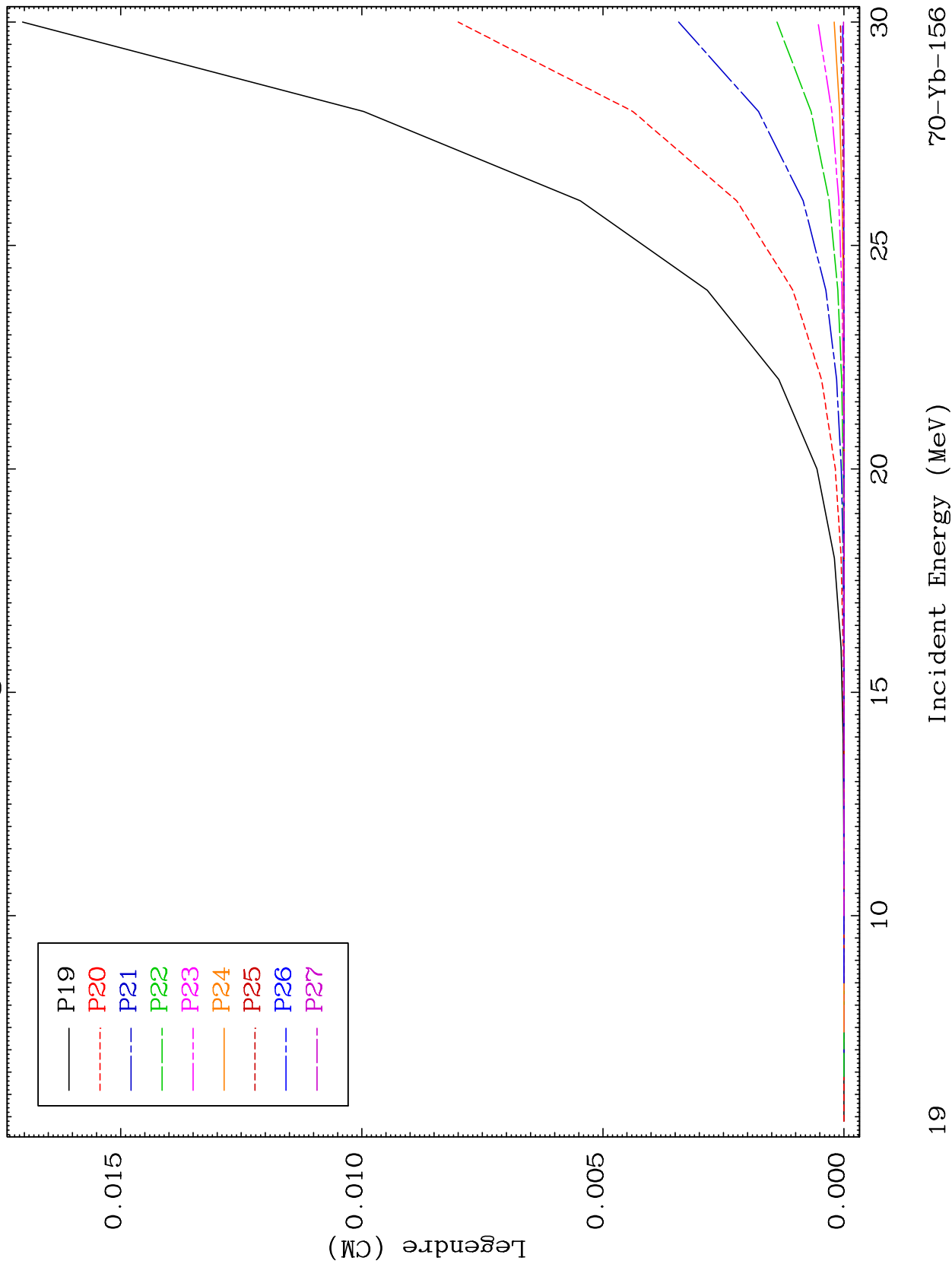
18

70-Yb-156

MAT 6989

Elastic Legendre Coefficients

70-Yb-156



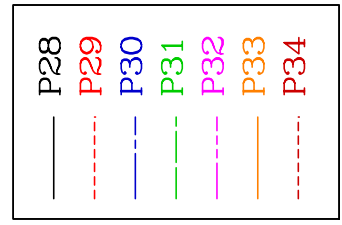
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70-Yb-156

MAT 6989

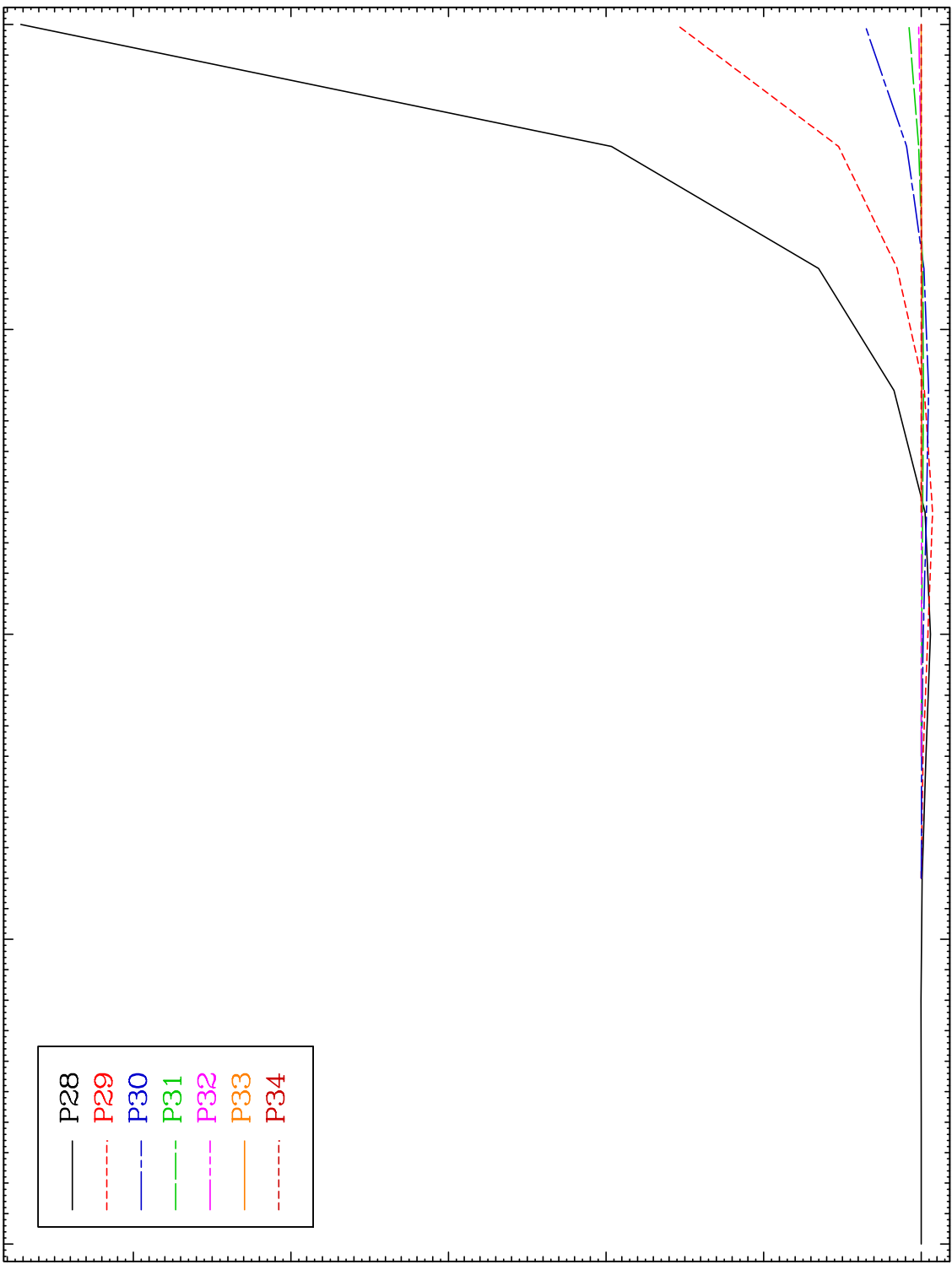
Elastic Legendre Coefficients

70-Yb-156



$\times 10^{-6}$

Legendre (CM)



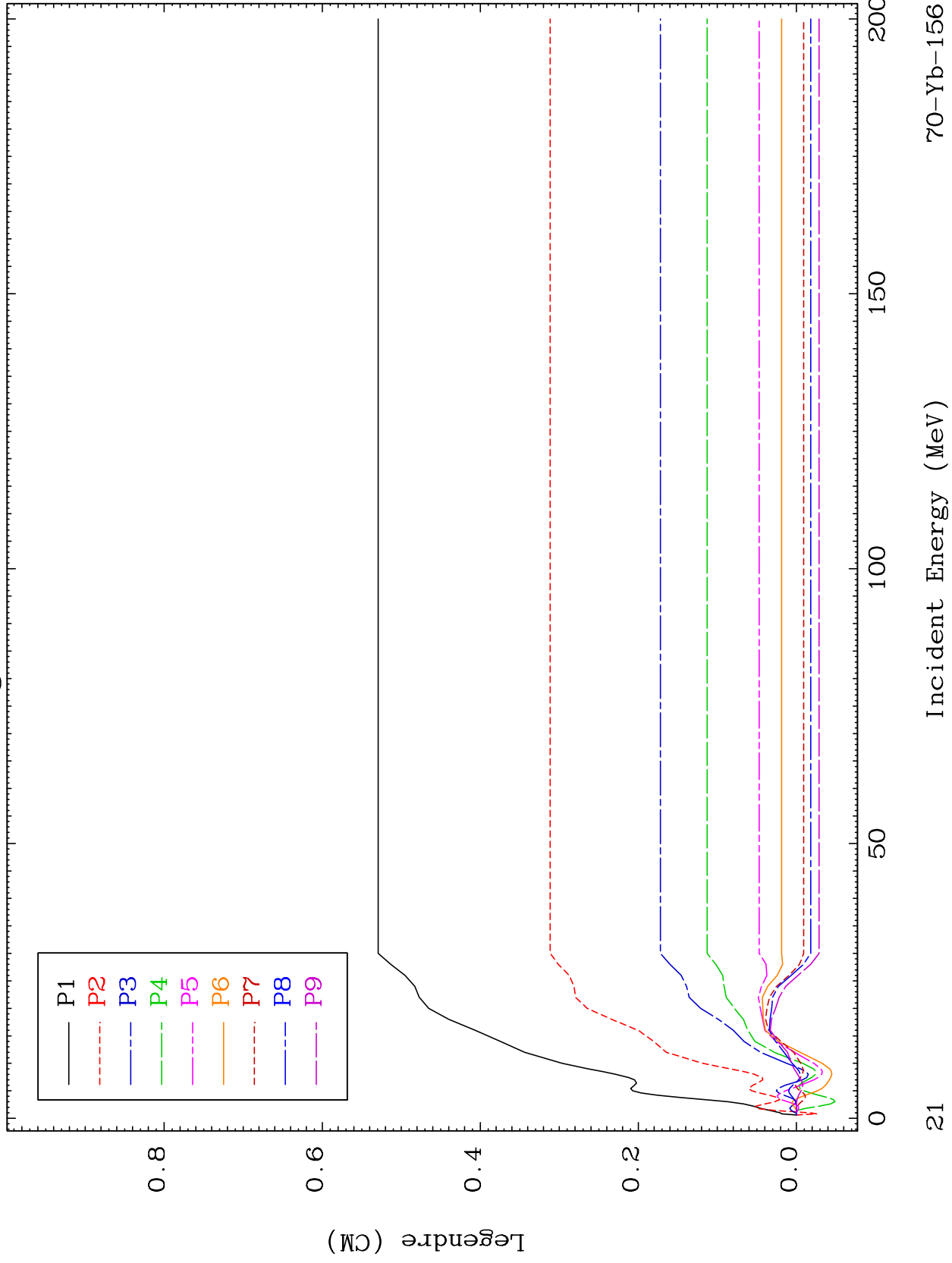
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



21

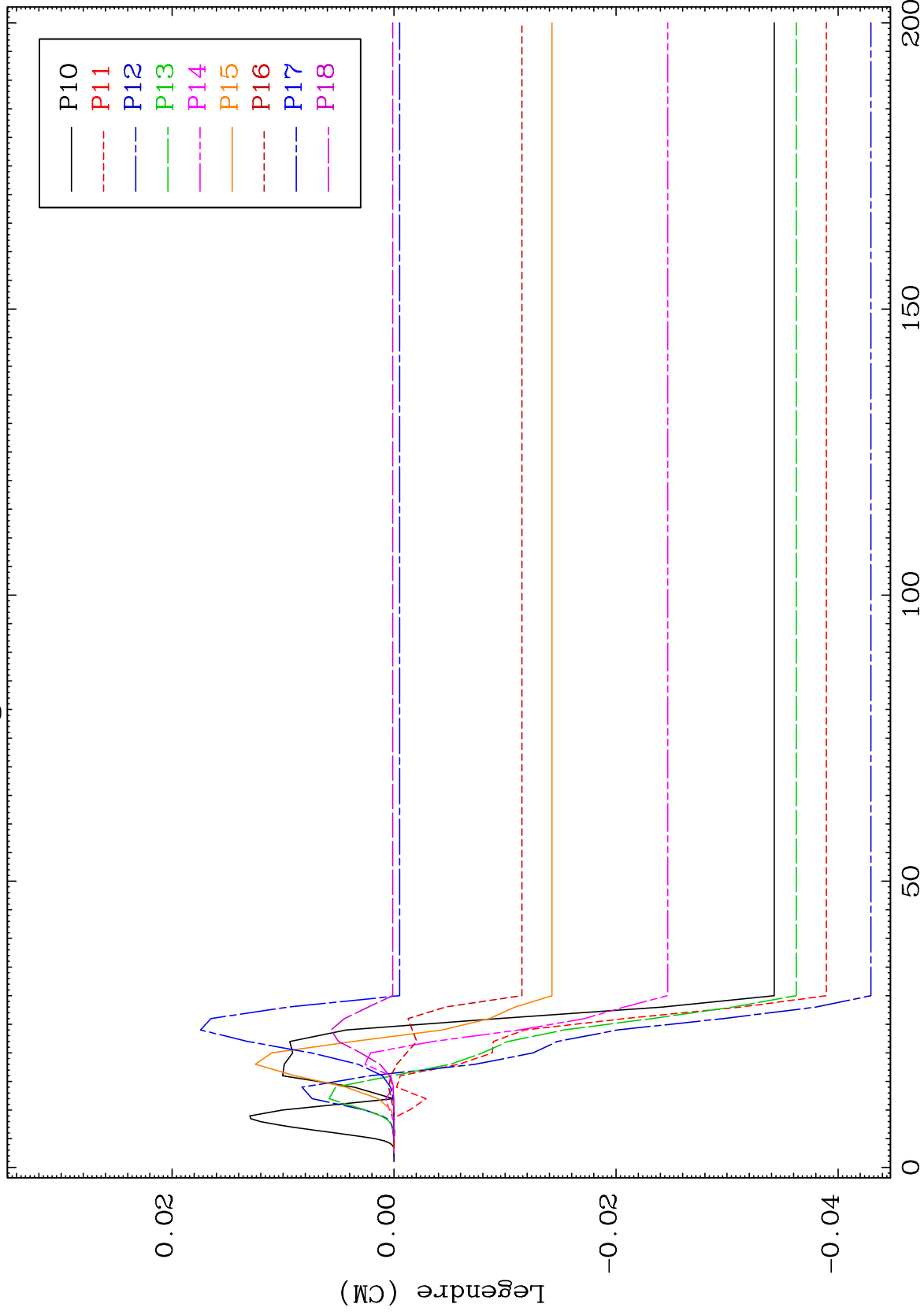
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



22

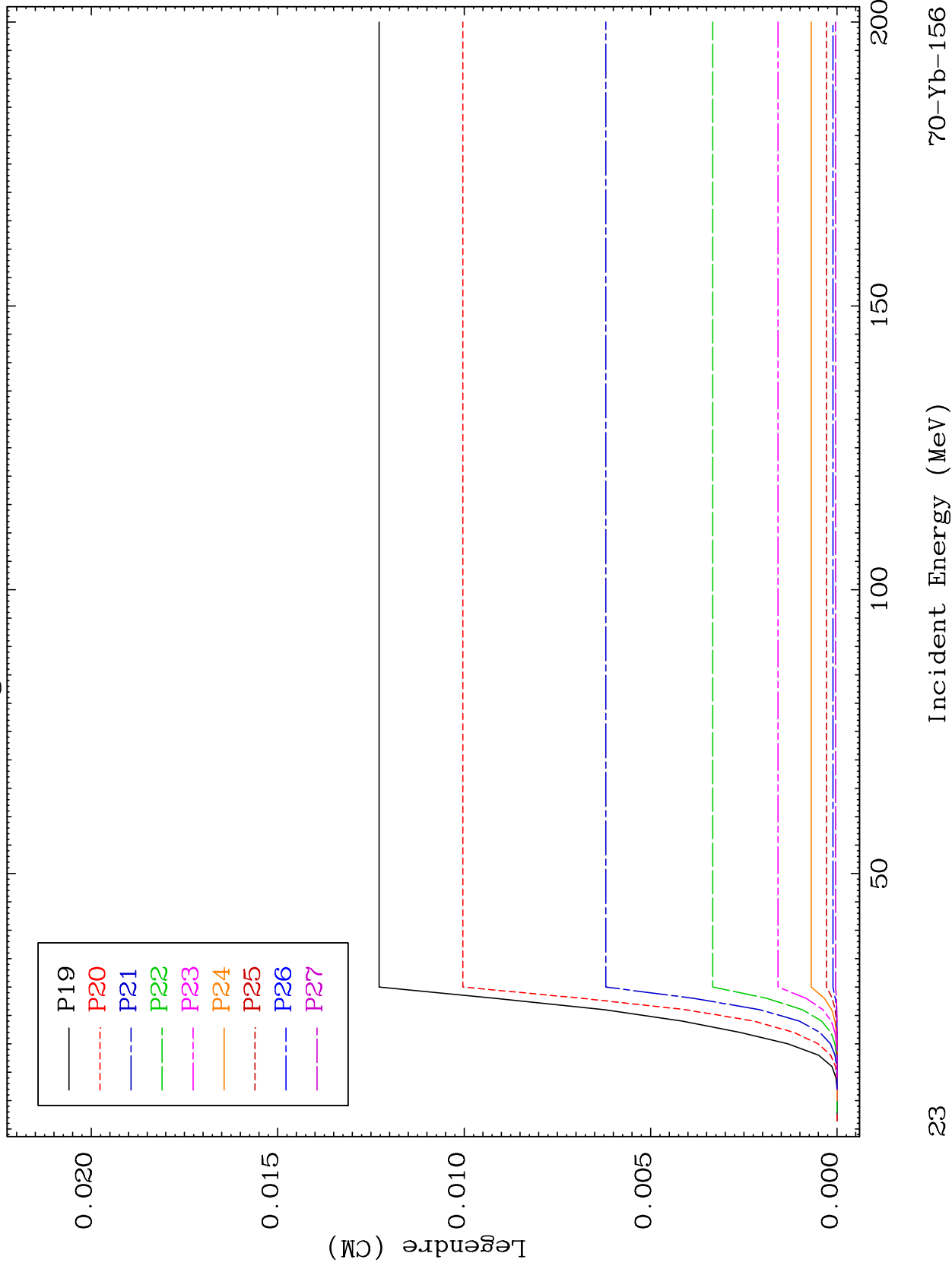
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

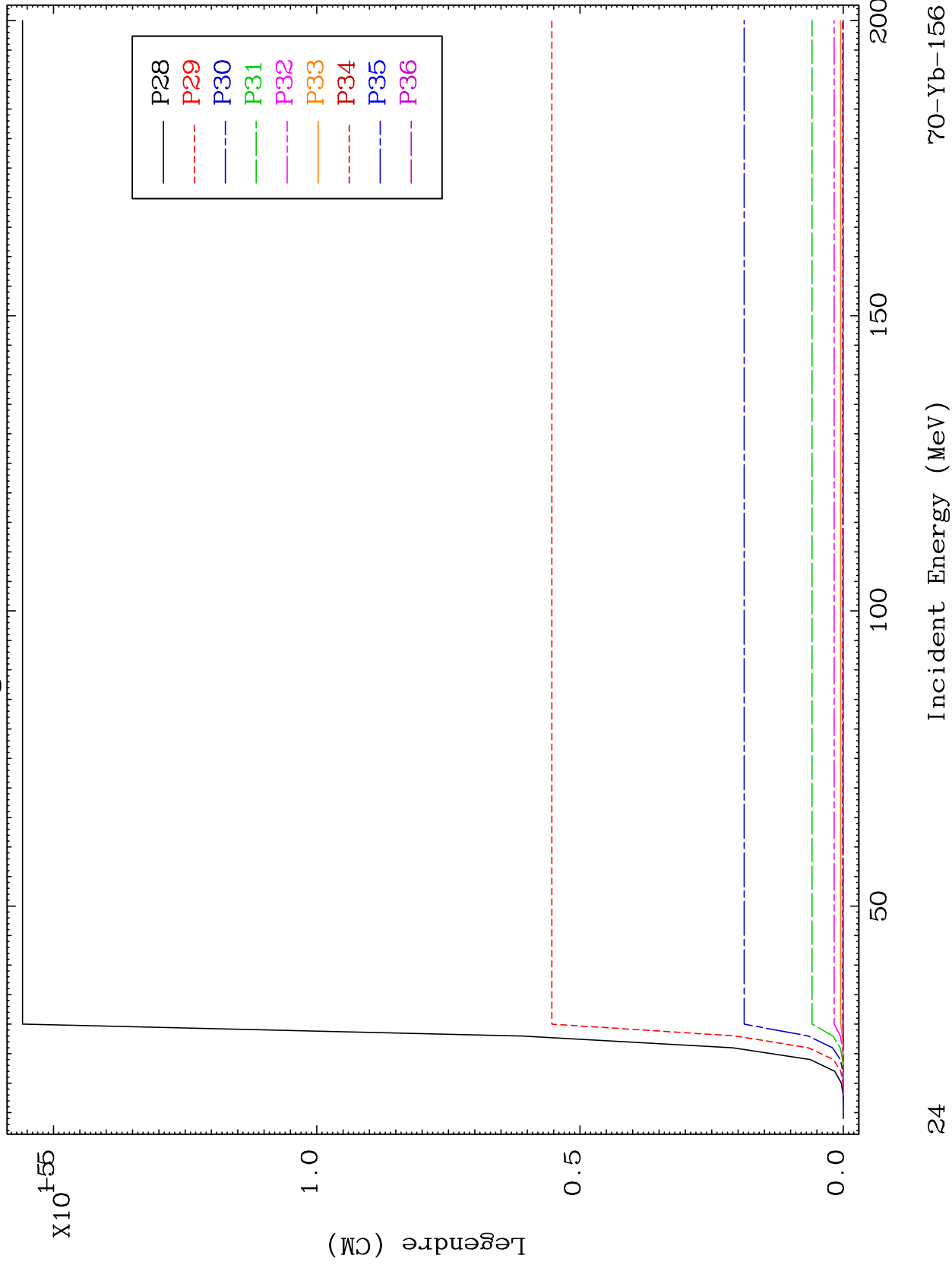
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MAT 6989

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

70-Yb-156



24

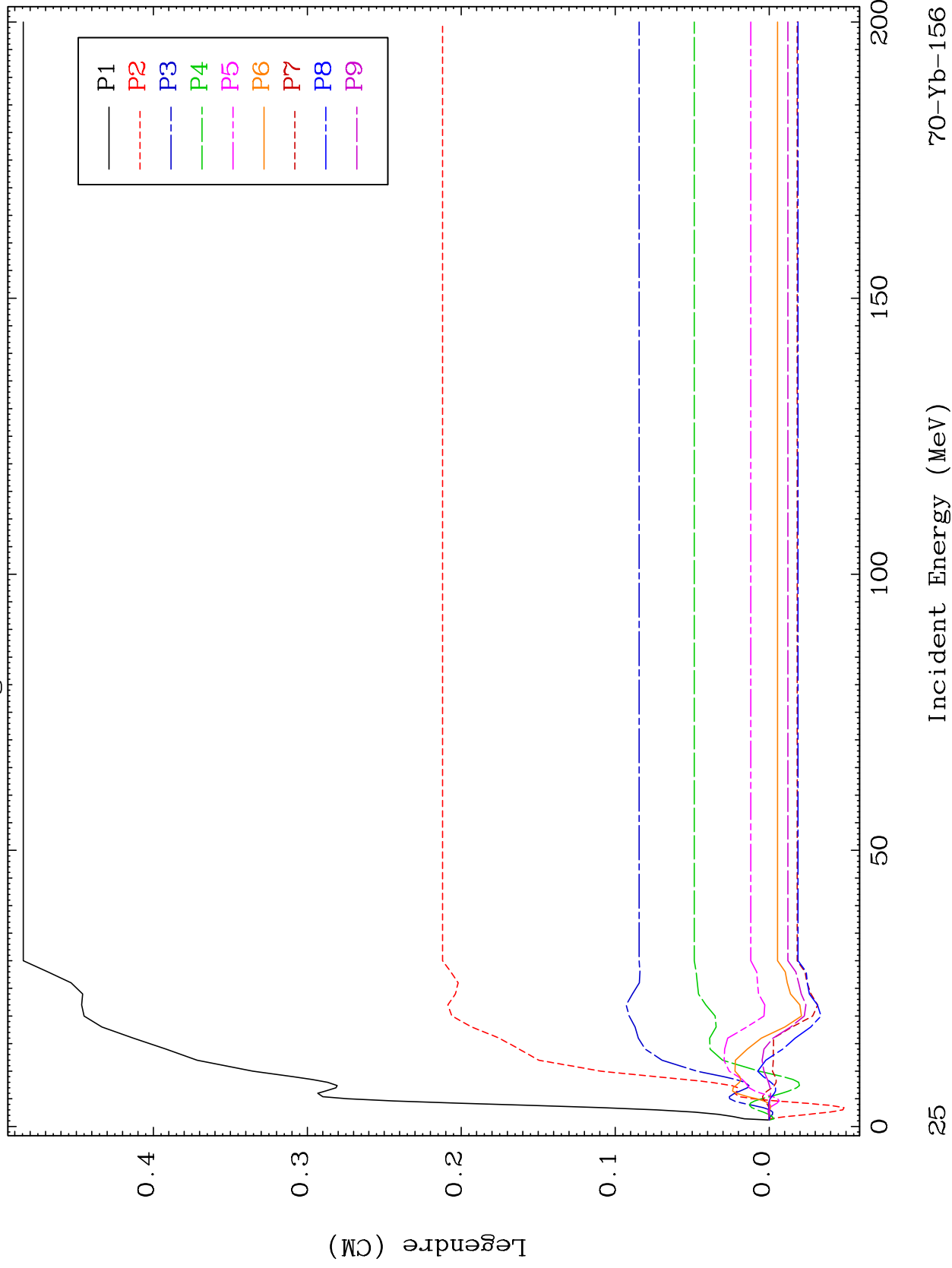
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



70-Yb-156

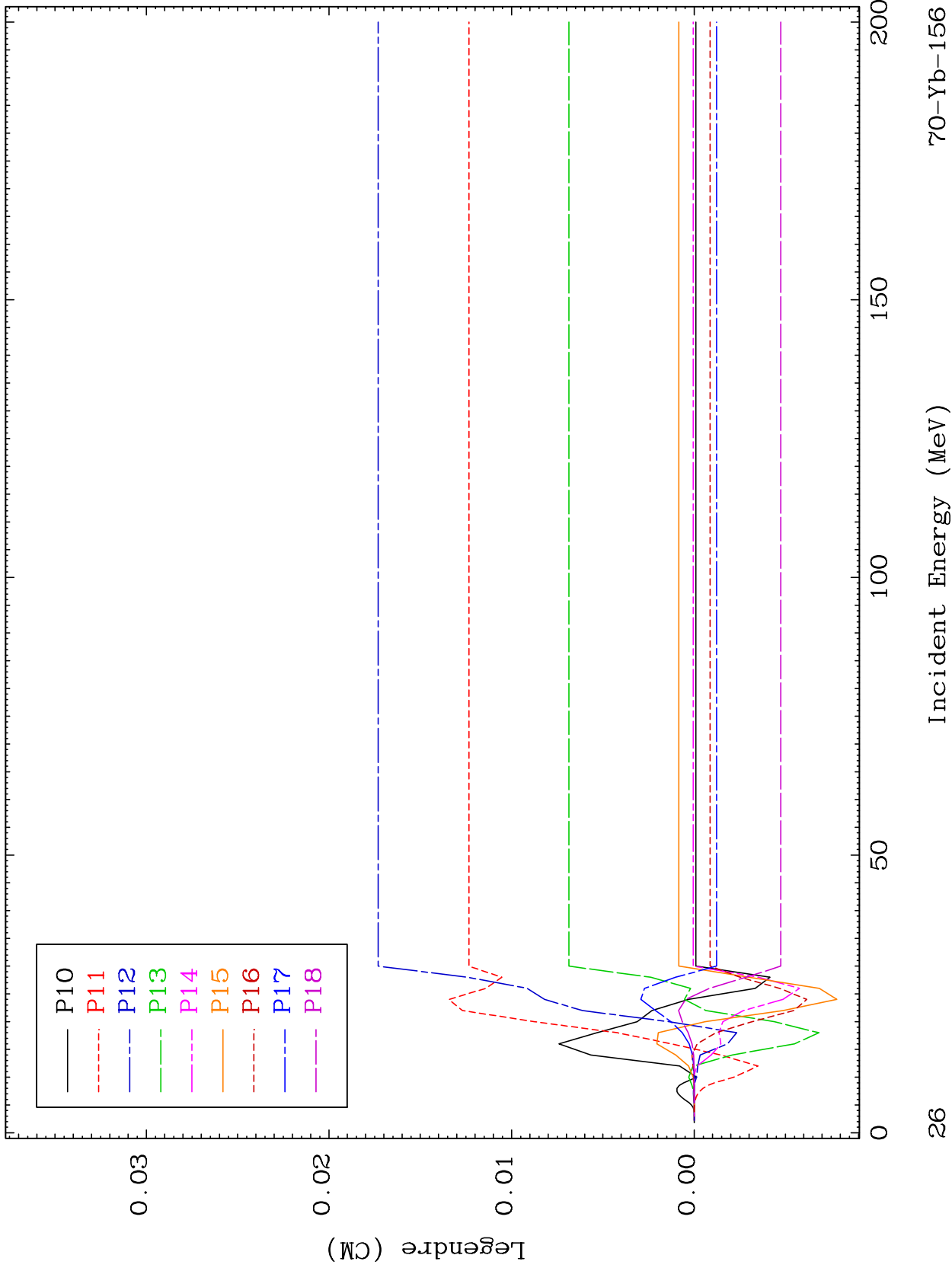
Incident Energy (MeV)

25

MAT 6989

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

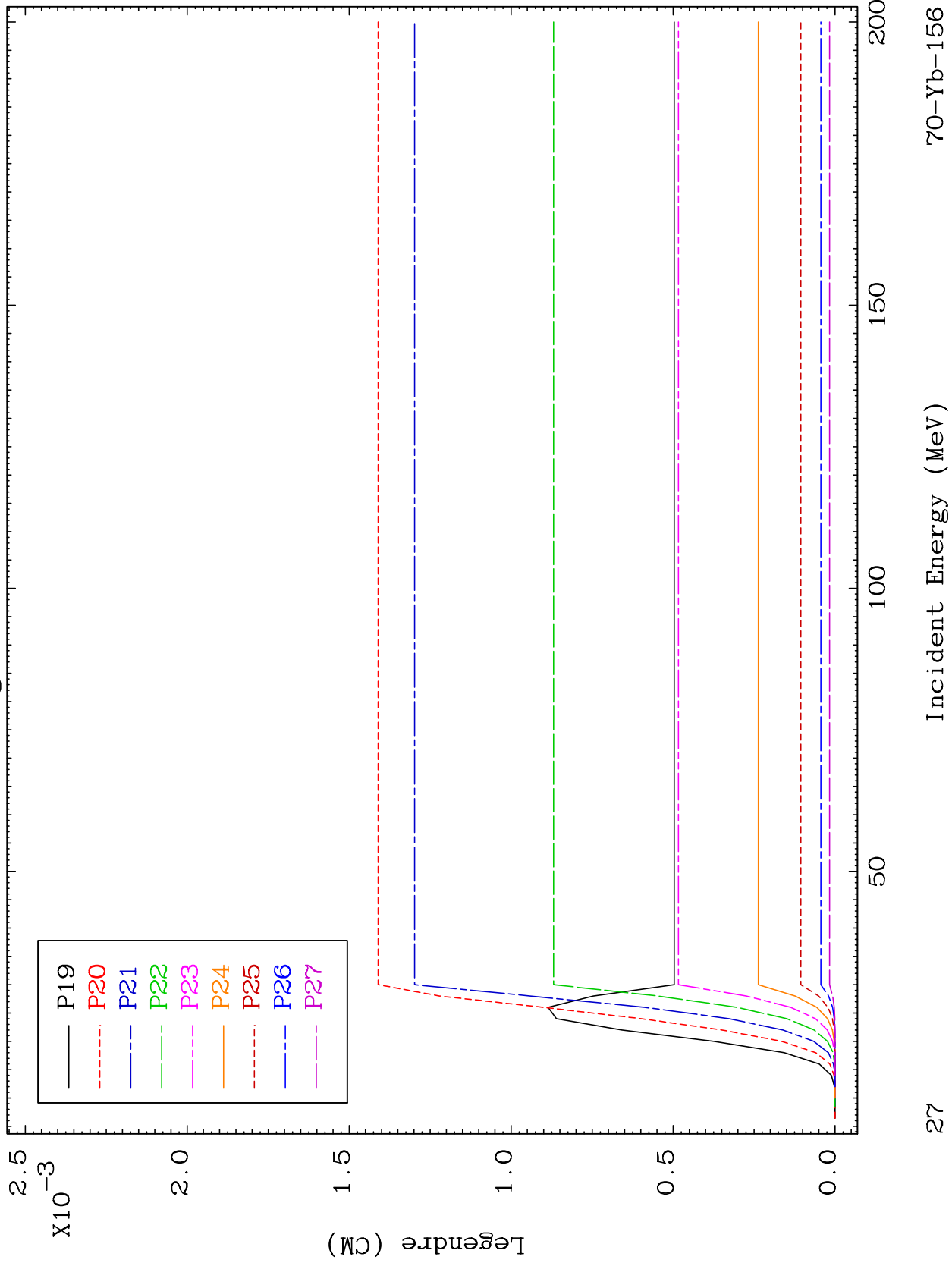
70-Yb-156



MAT 6989

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

70-Yb-156



27

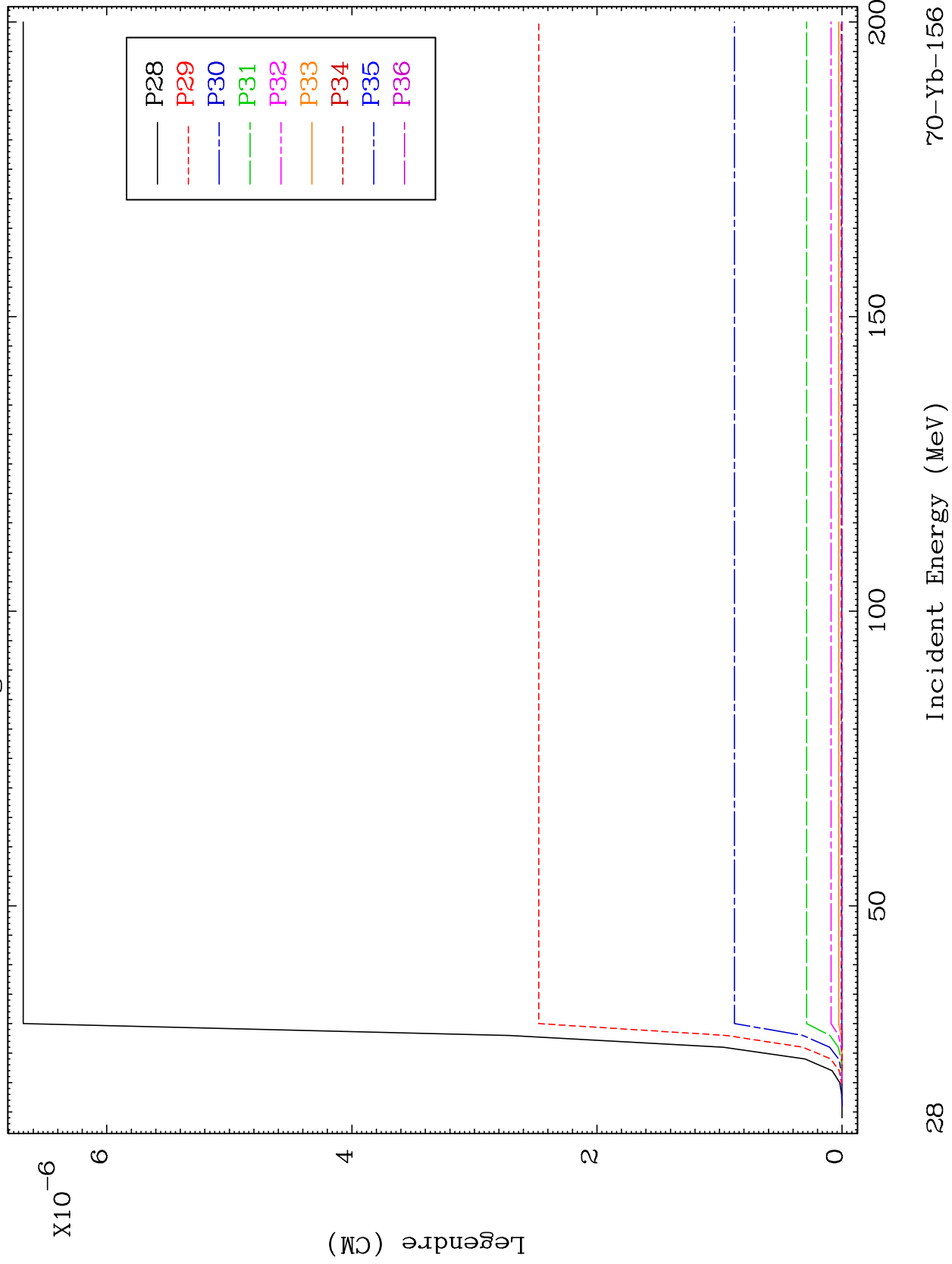
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



28

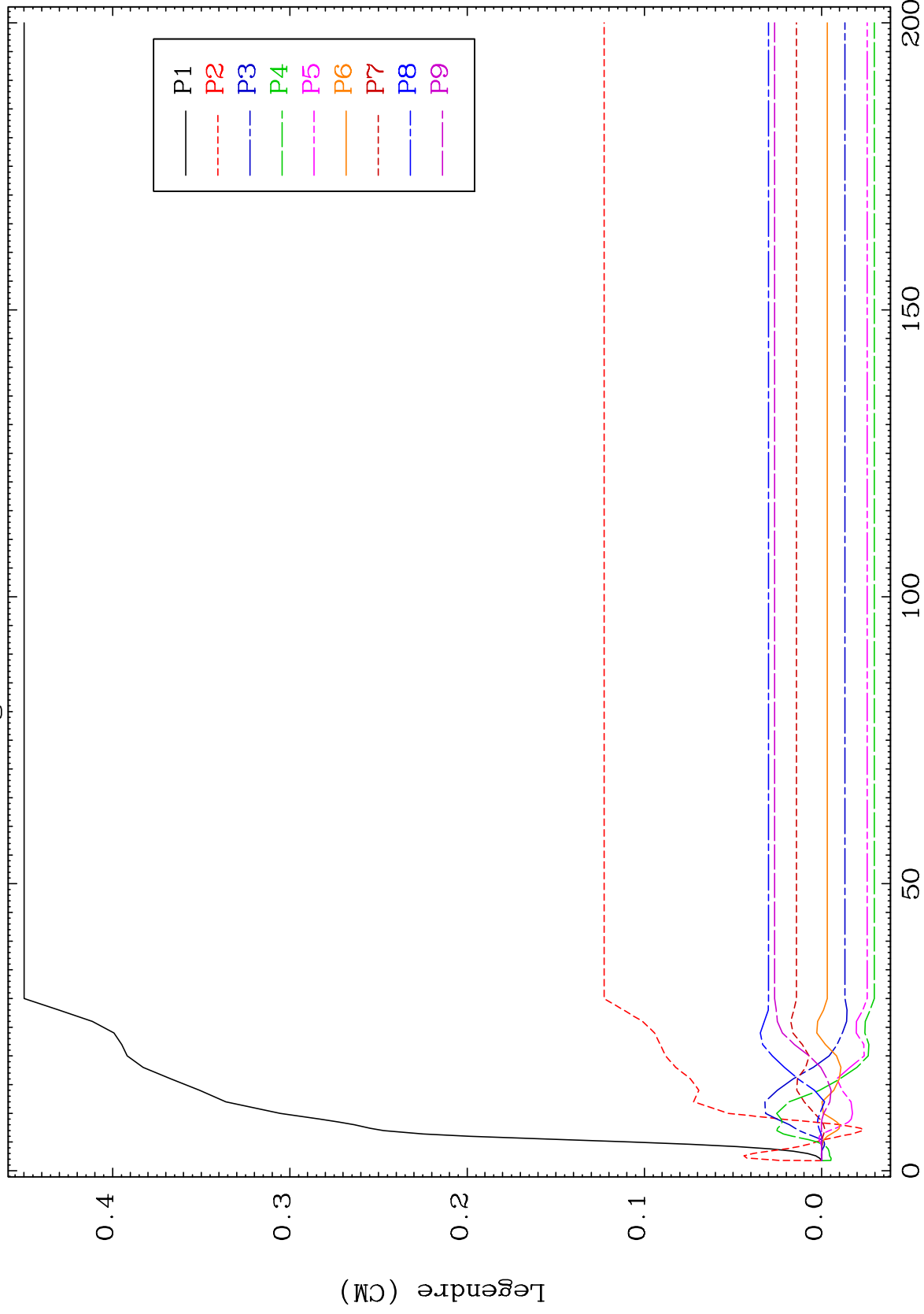
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



29

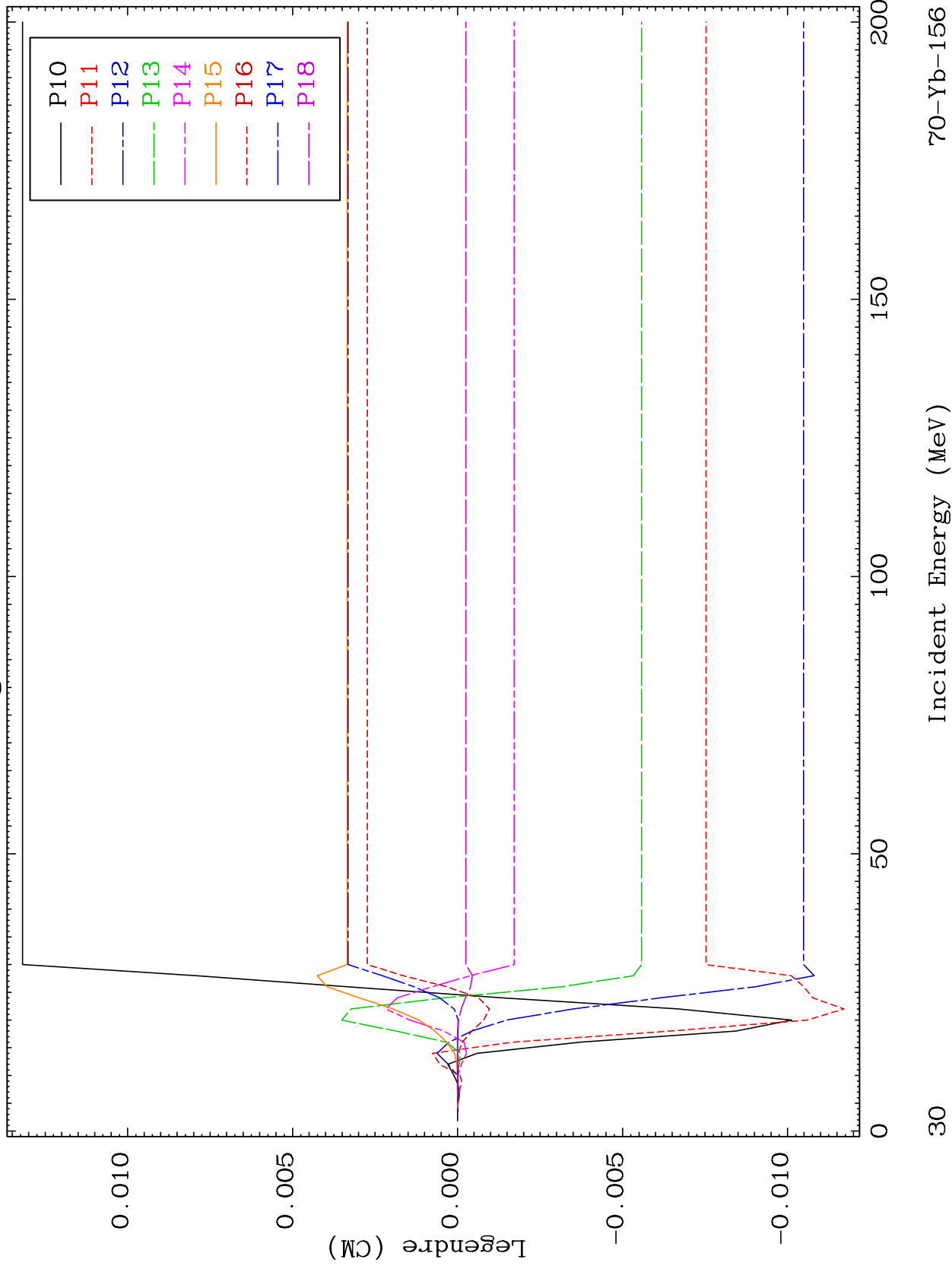
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156

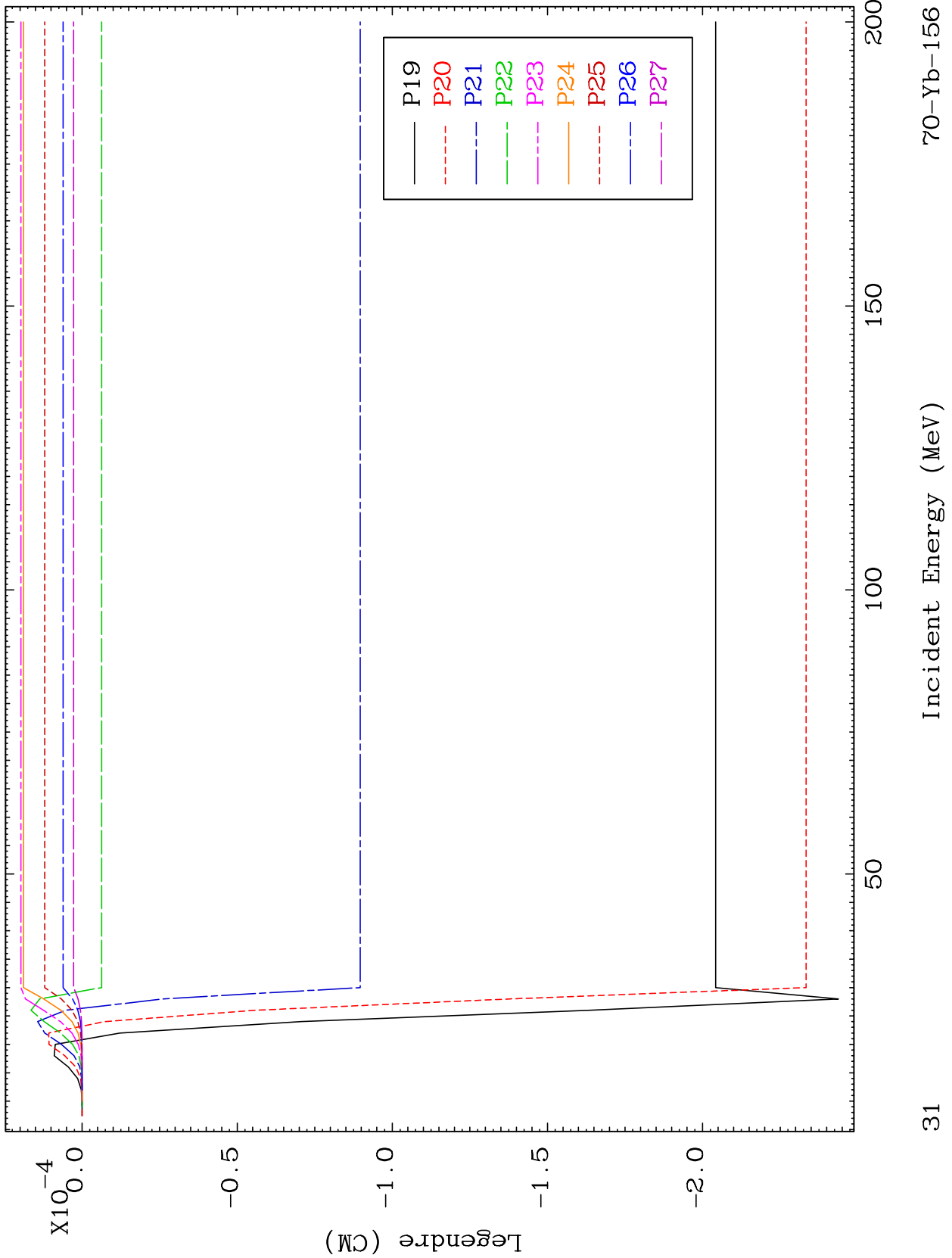


70-Yb-156

MAT 6989

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

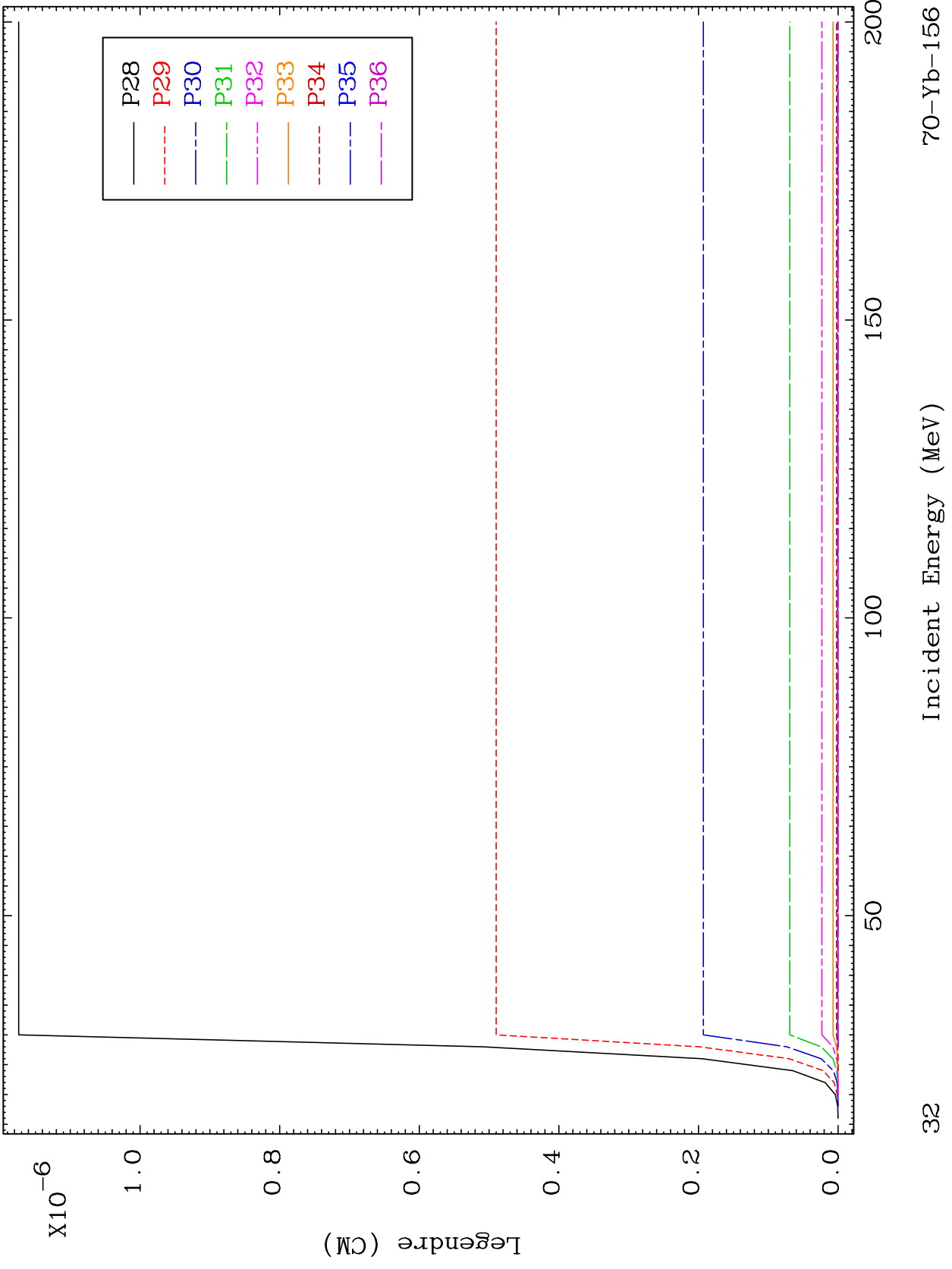
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MAT 6989

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

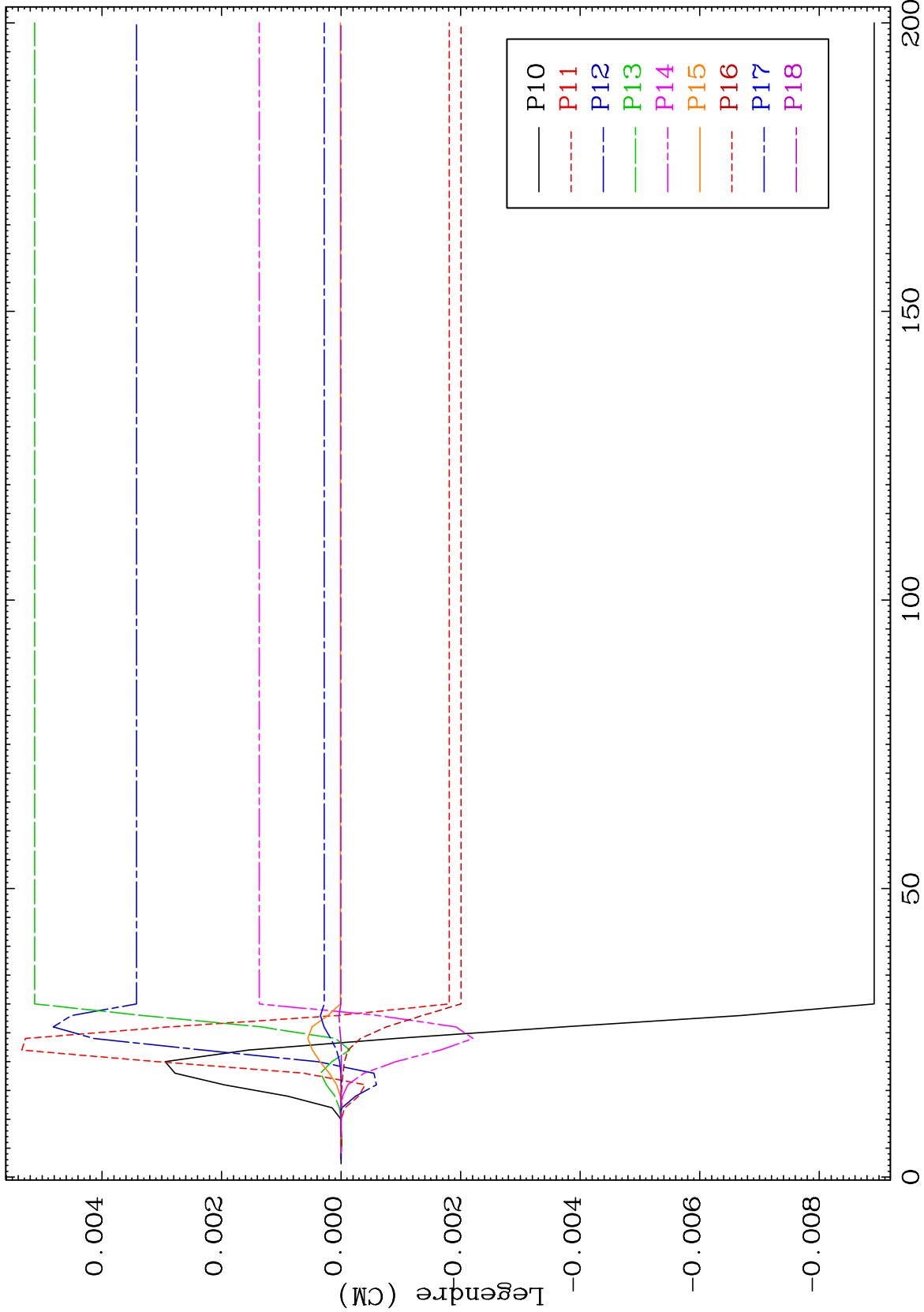
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MAT 6989

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

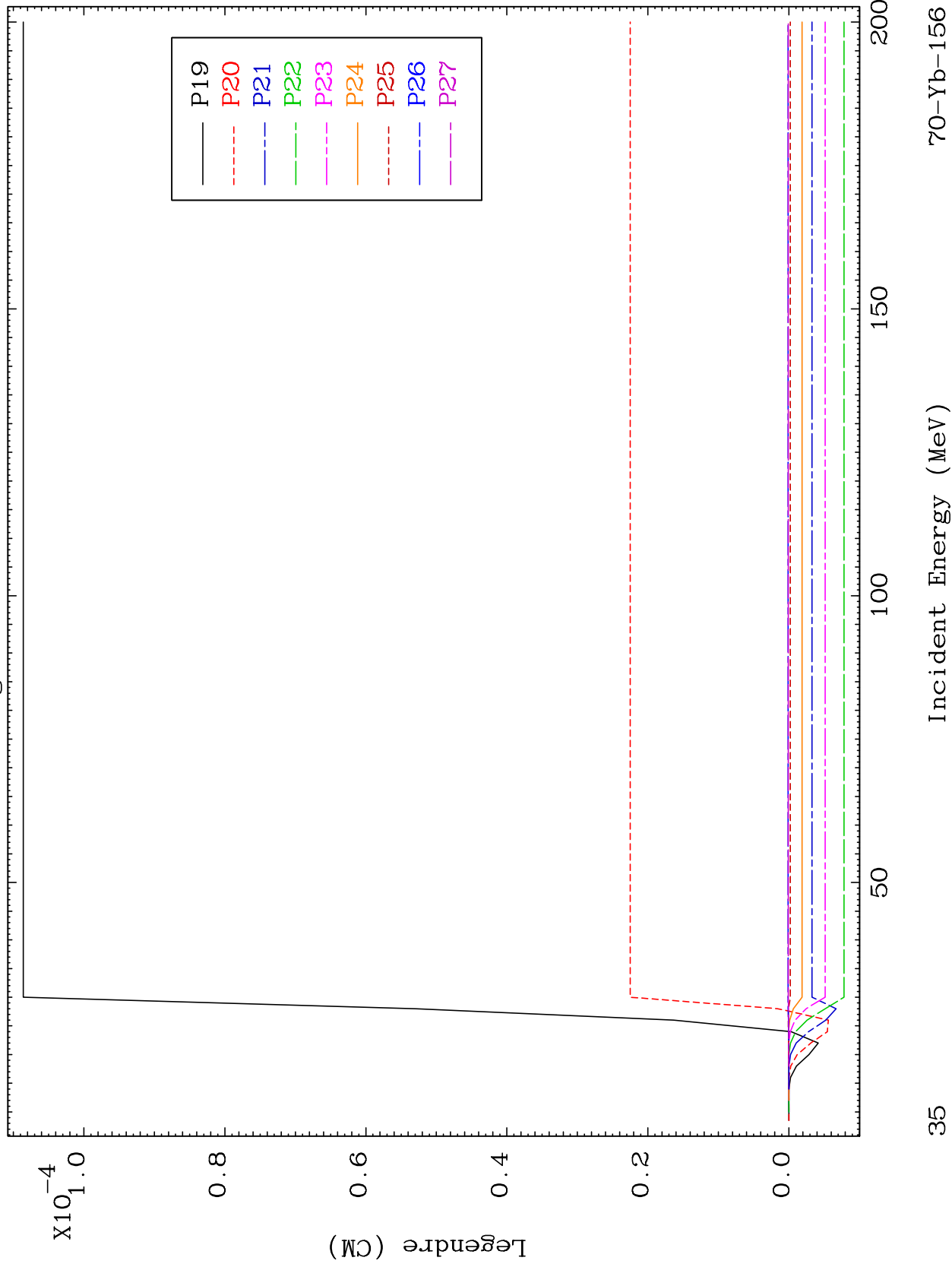
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MAT 6989

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

70-Yb-156



35

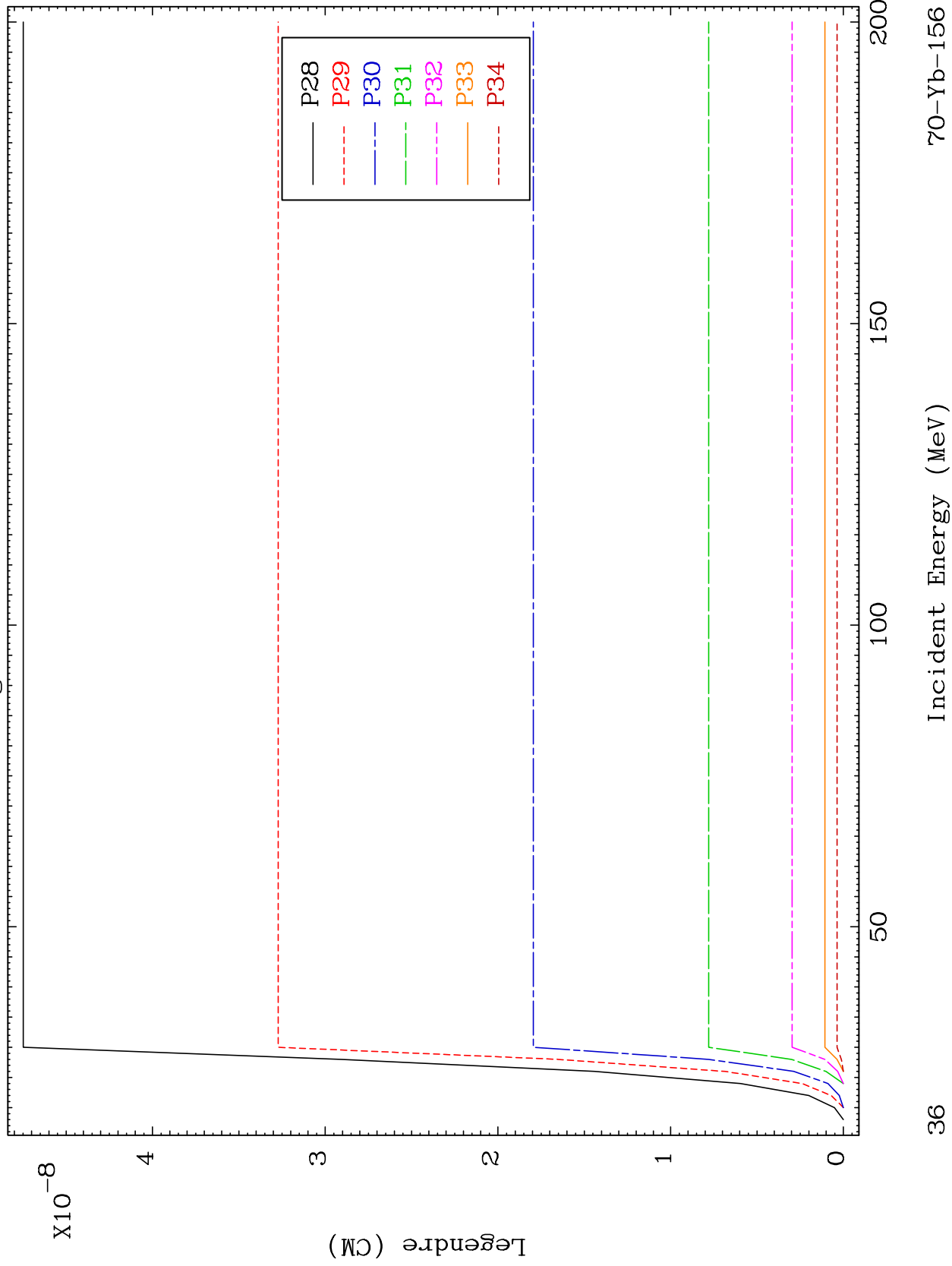
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



36

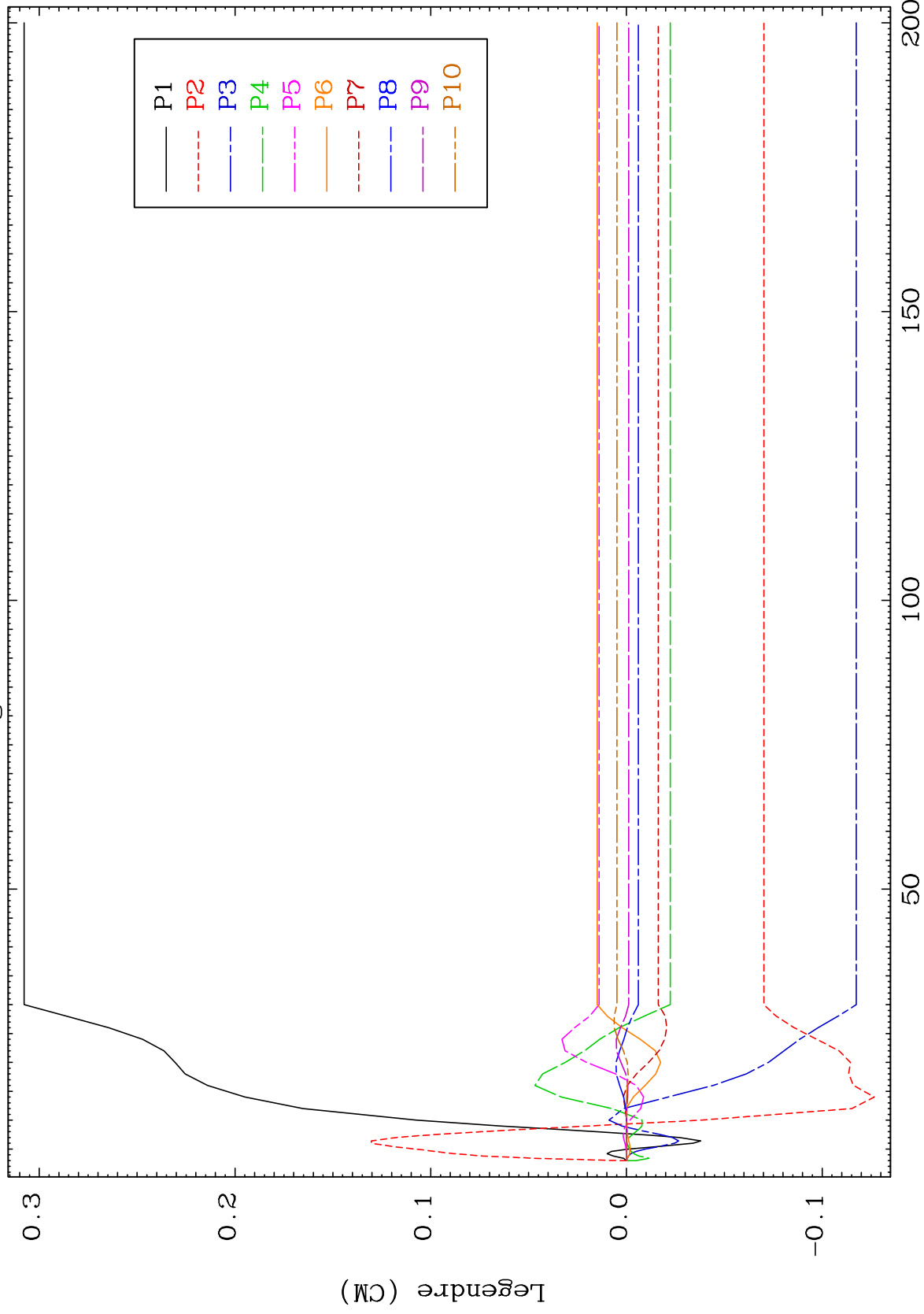
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



37

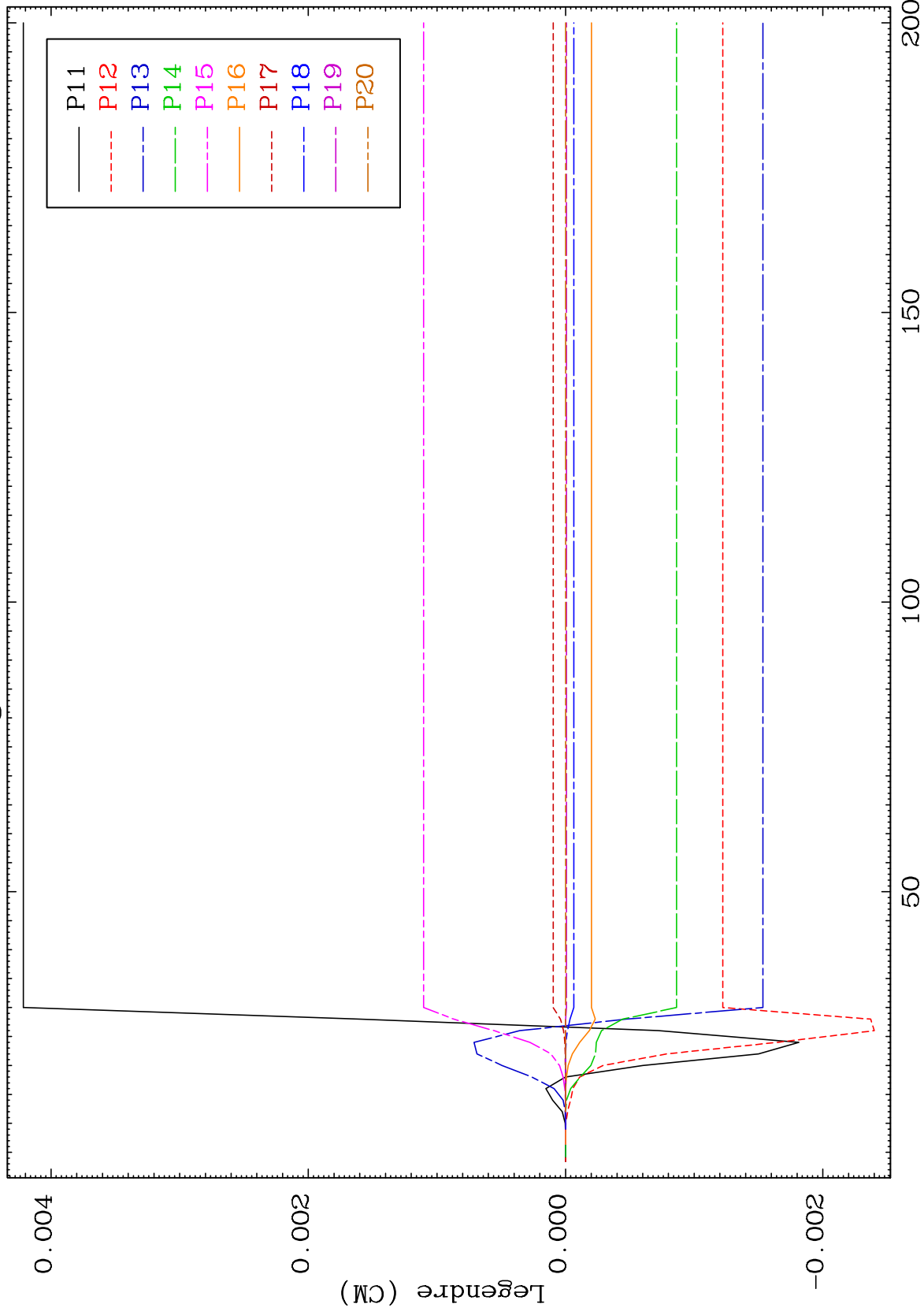
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



38

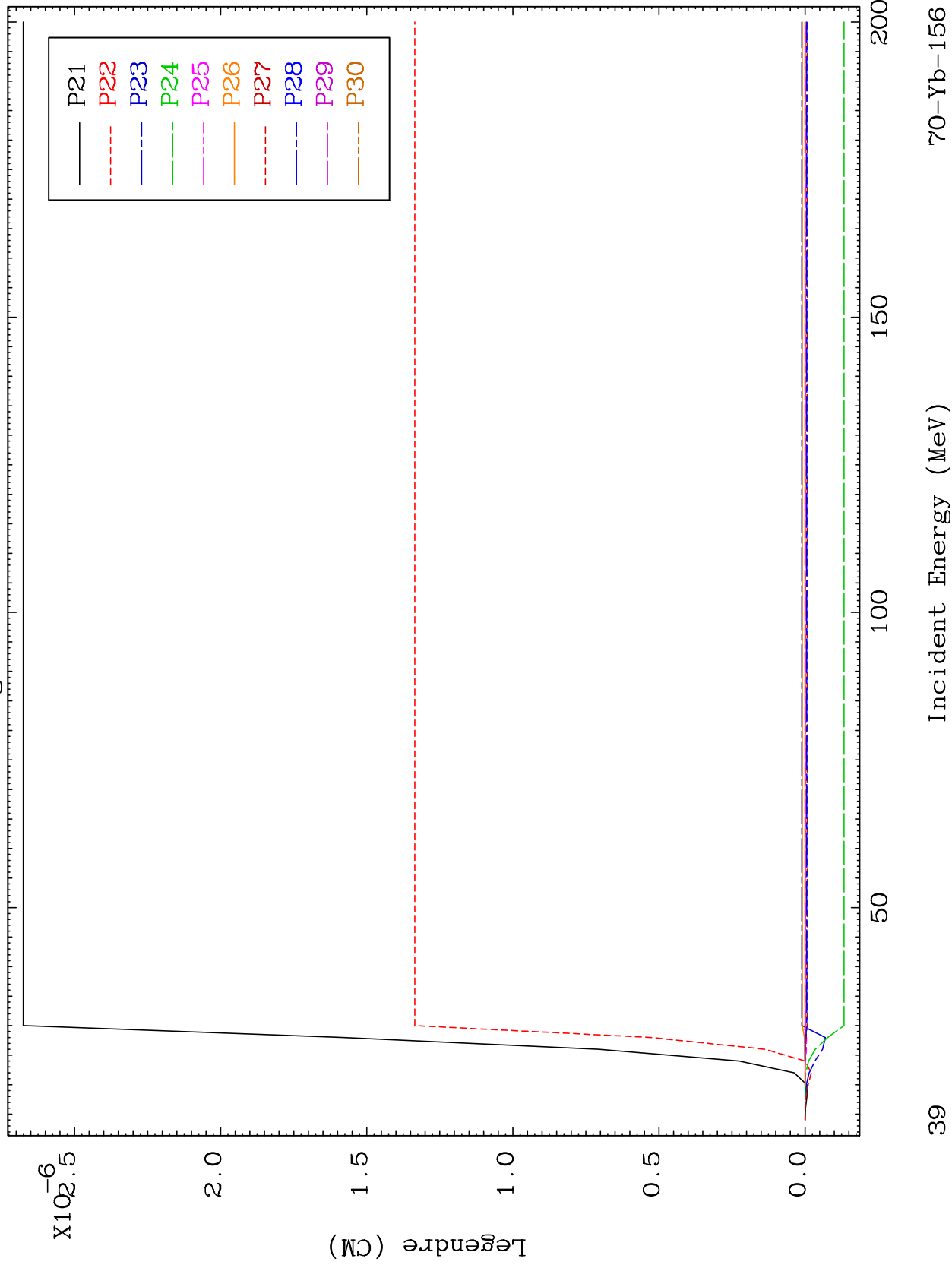
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



39

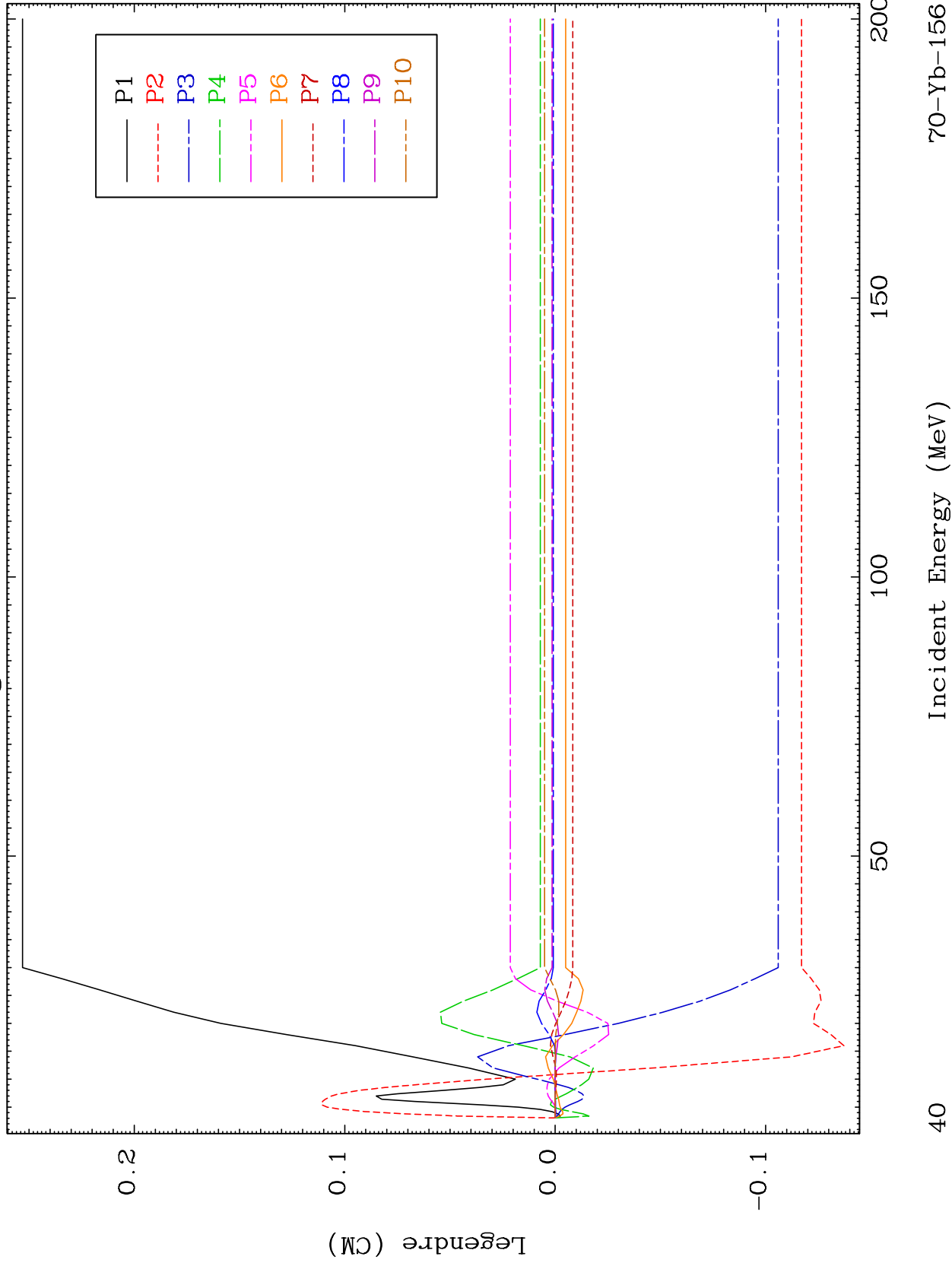
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

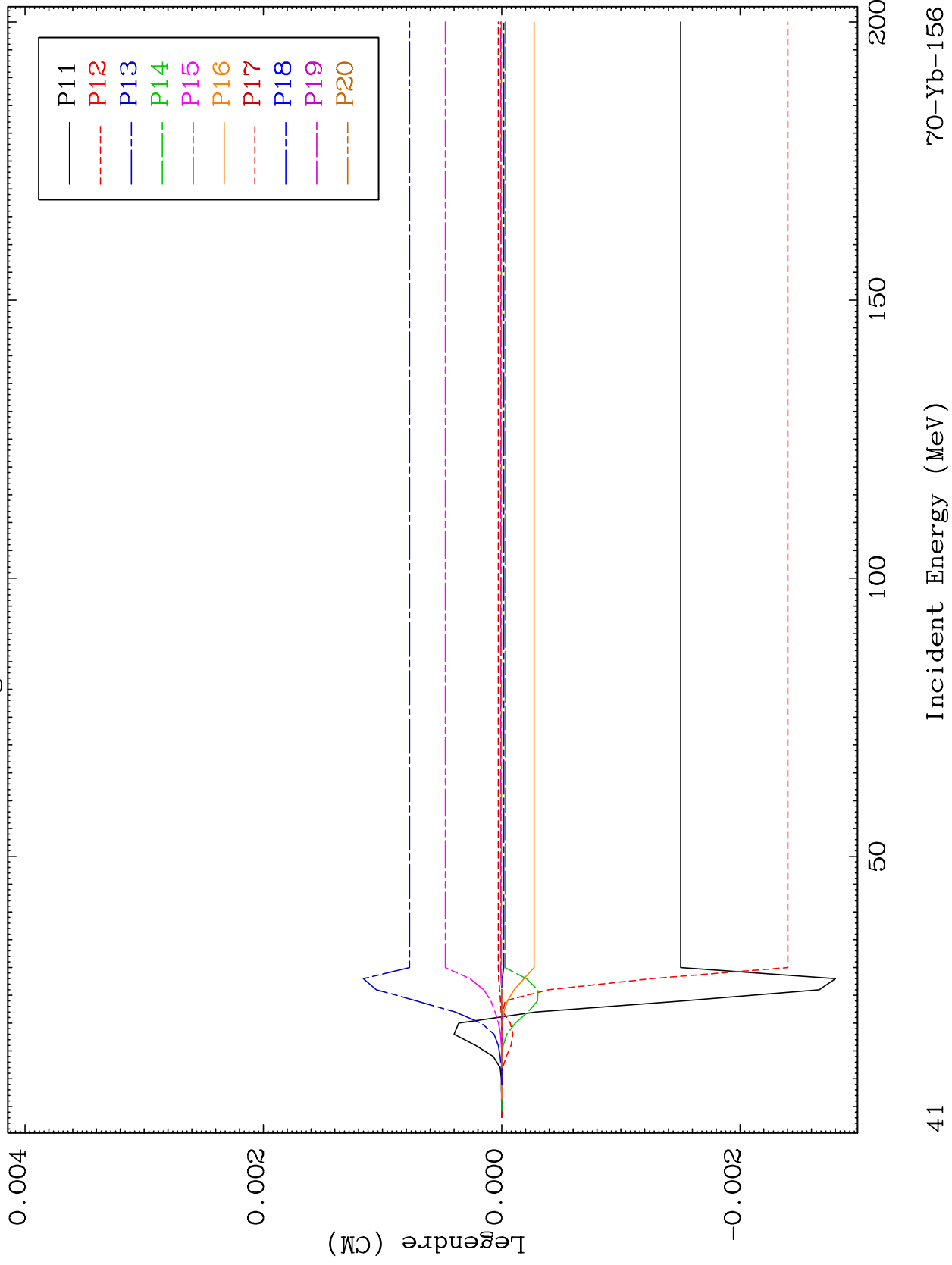
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MAT 6989

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

70-Yb-156



41

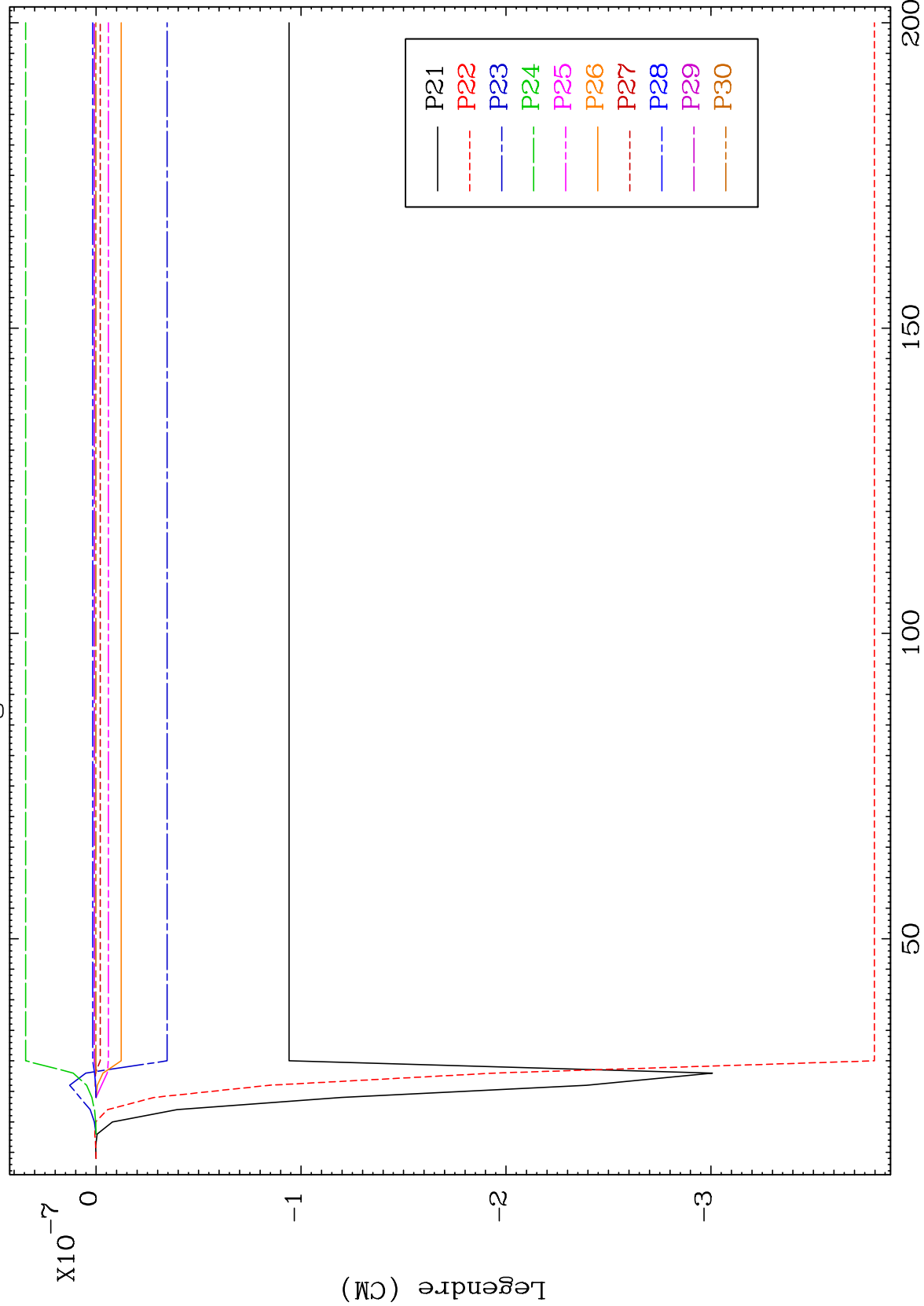
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



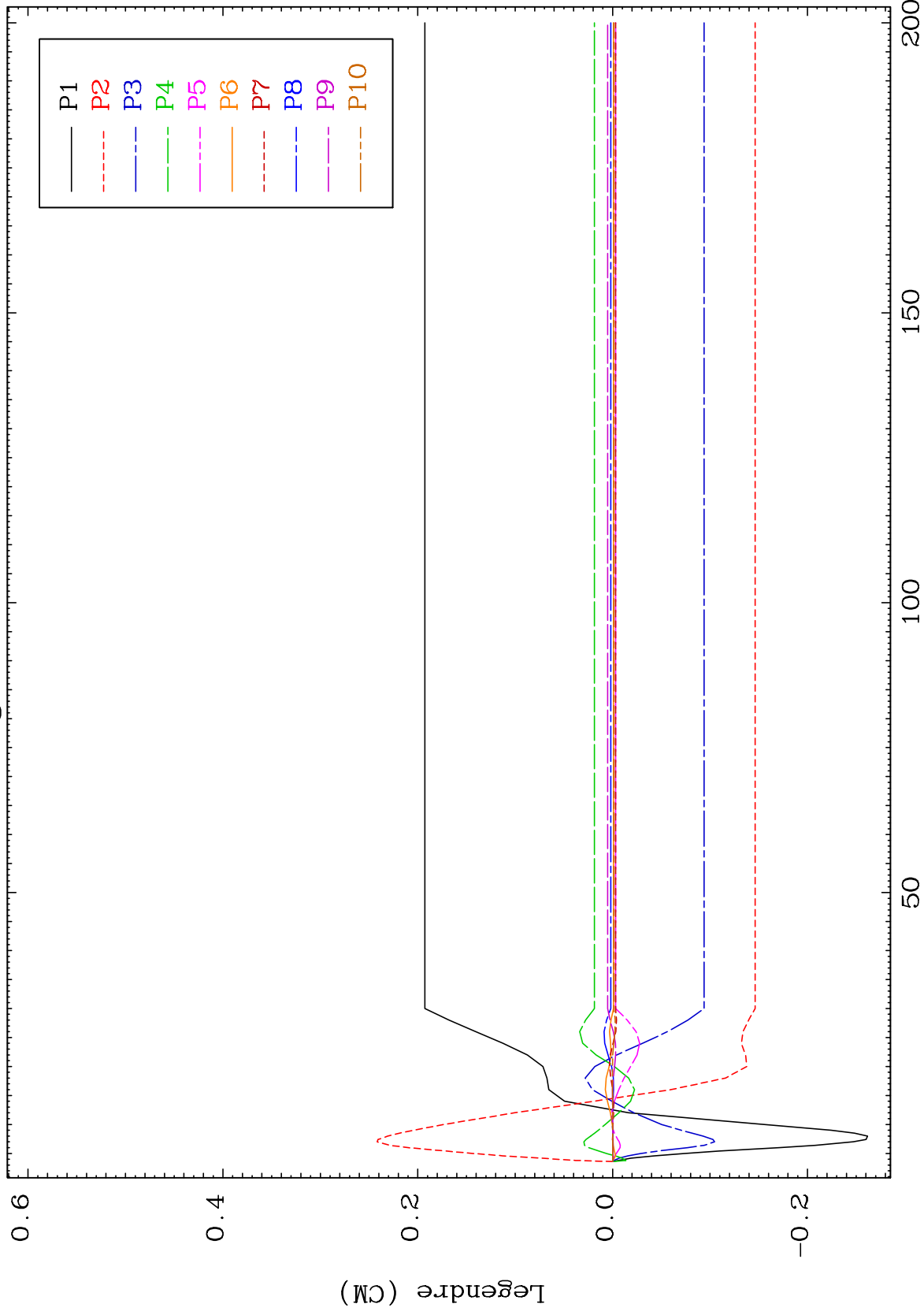
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70-Yb-156

MAT 6989

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

70-Yb-156



43

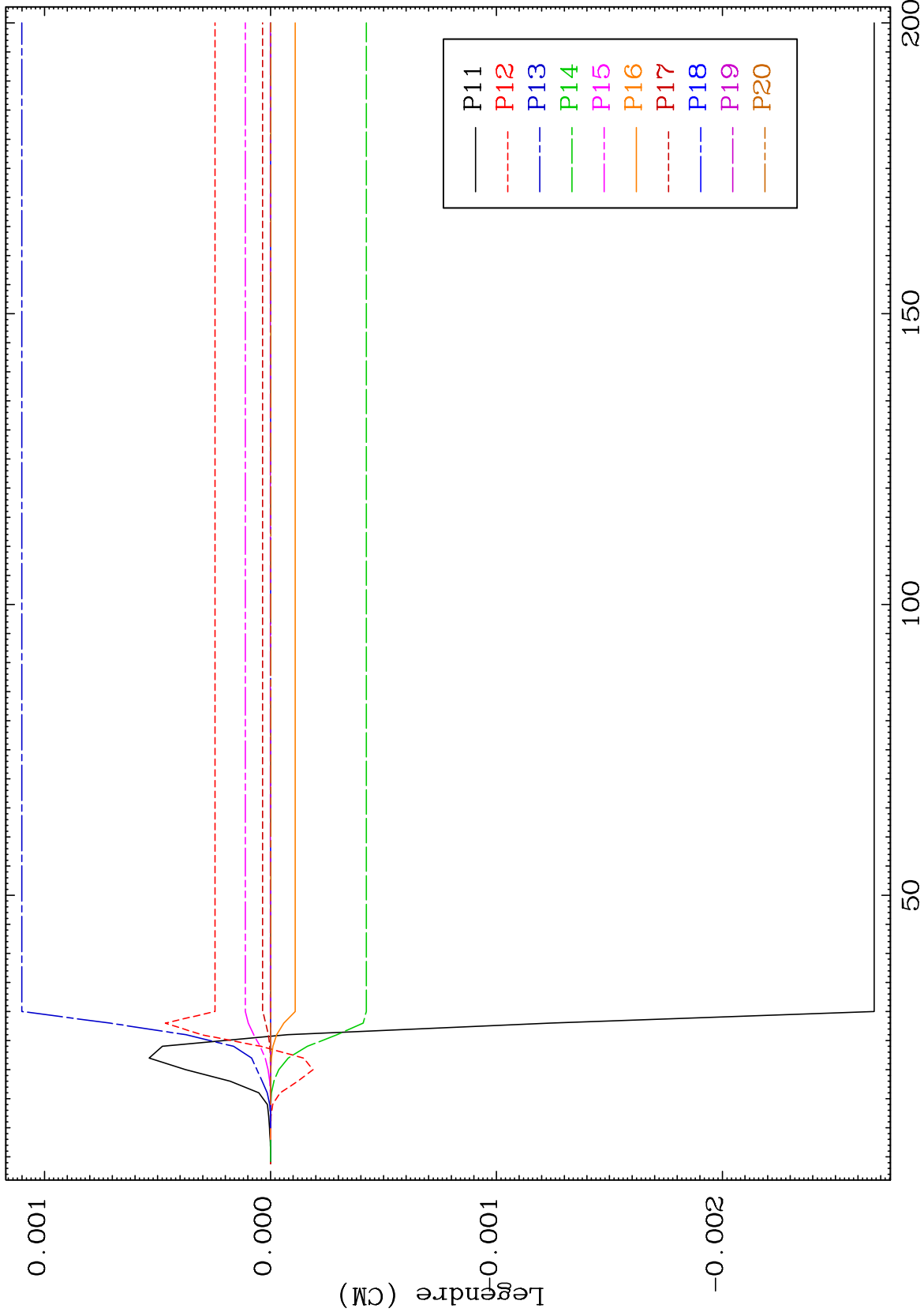
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

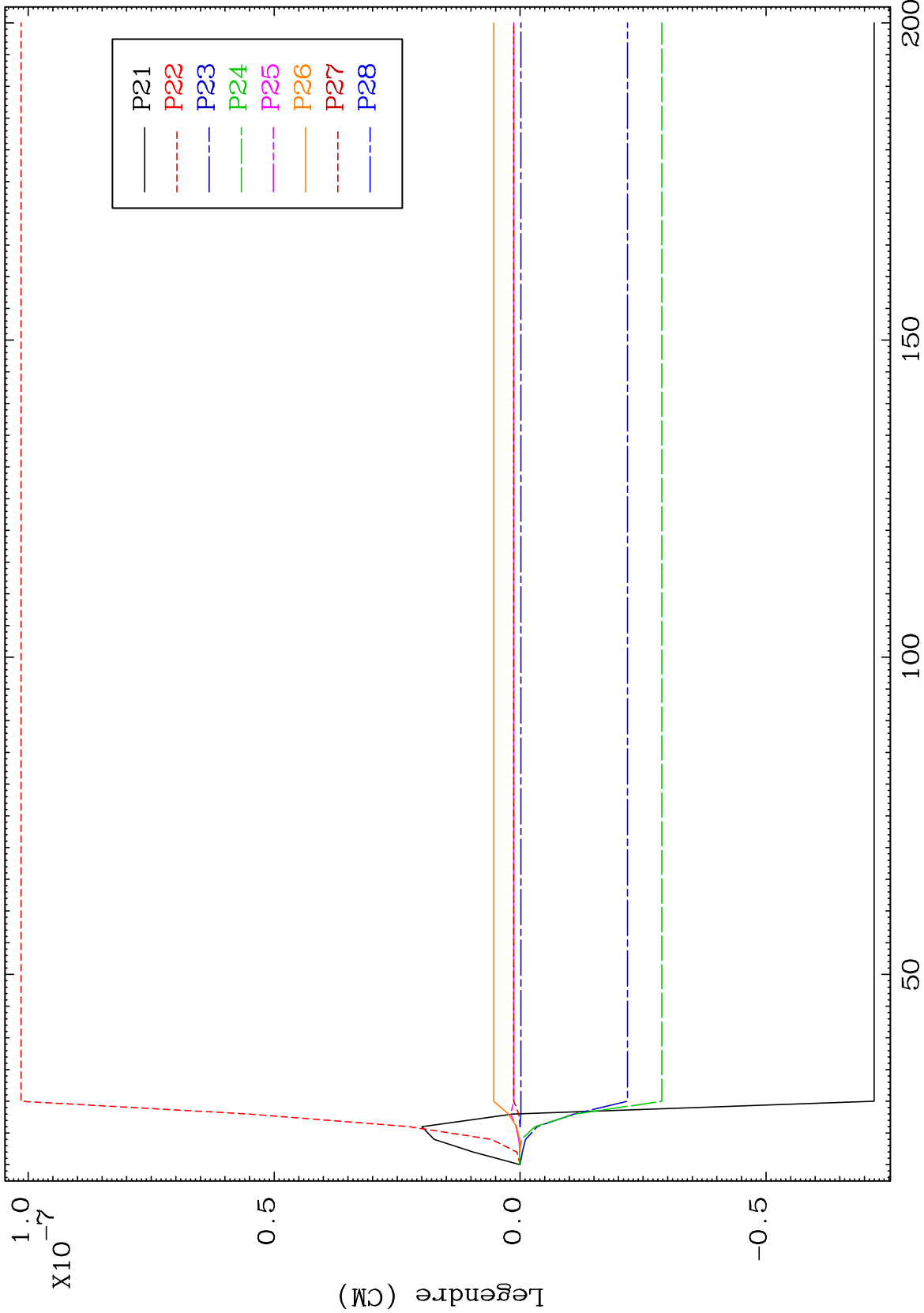
70-Yb-156



MAT 6989

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

70-Yb-156



45

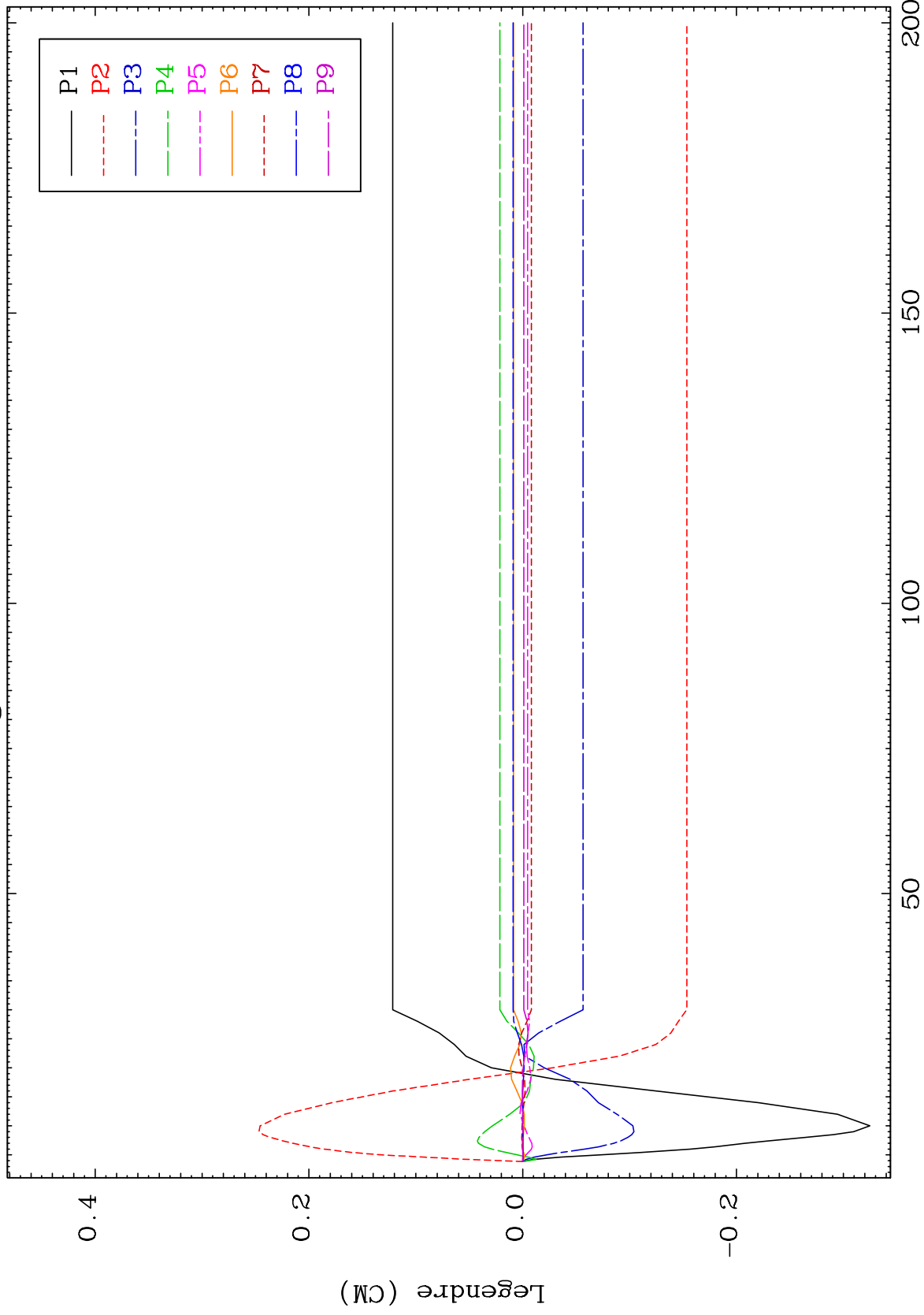
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

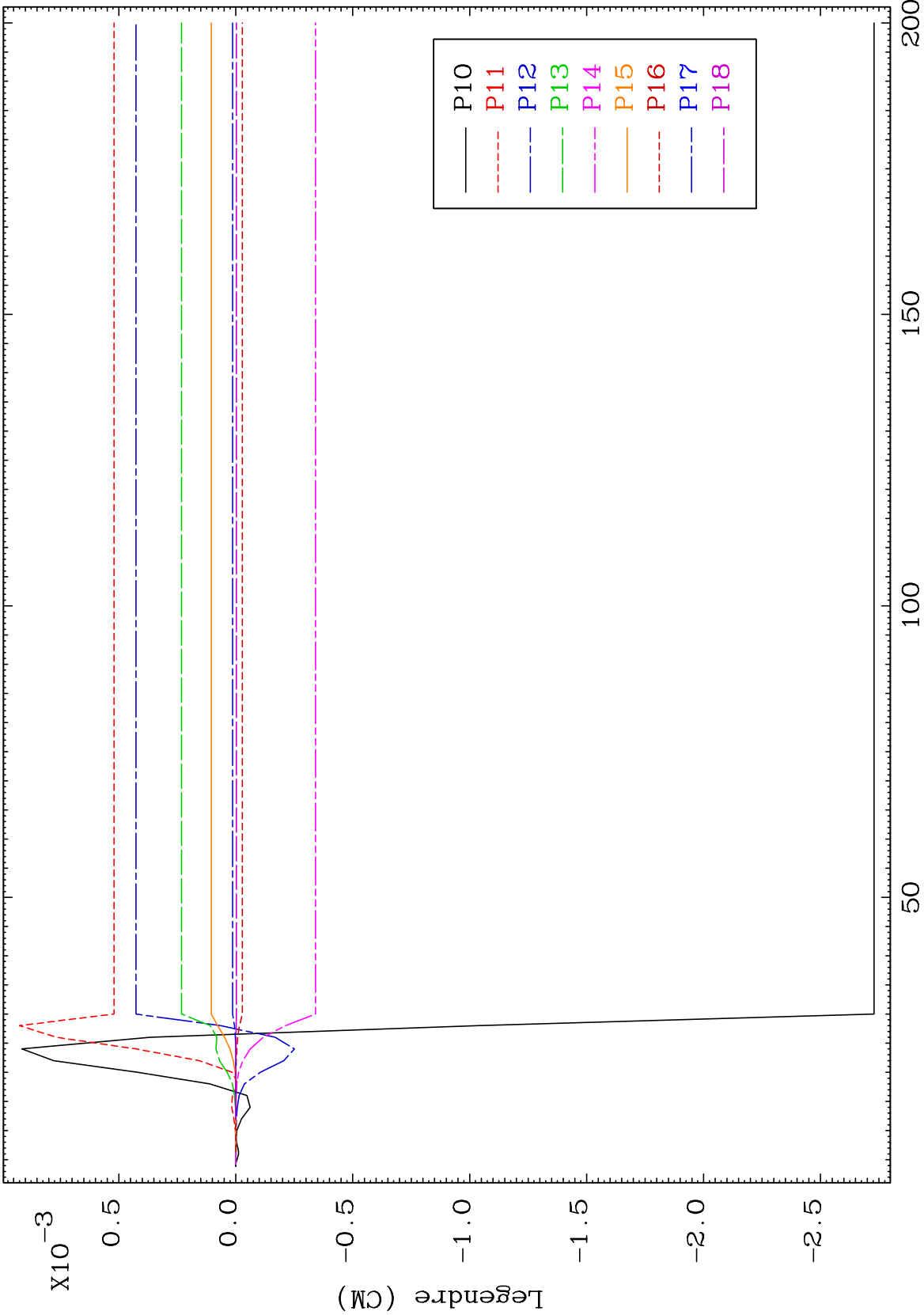
70-Yb-156



46

Incident Energy (MeV)

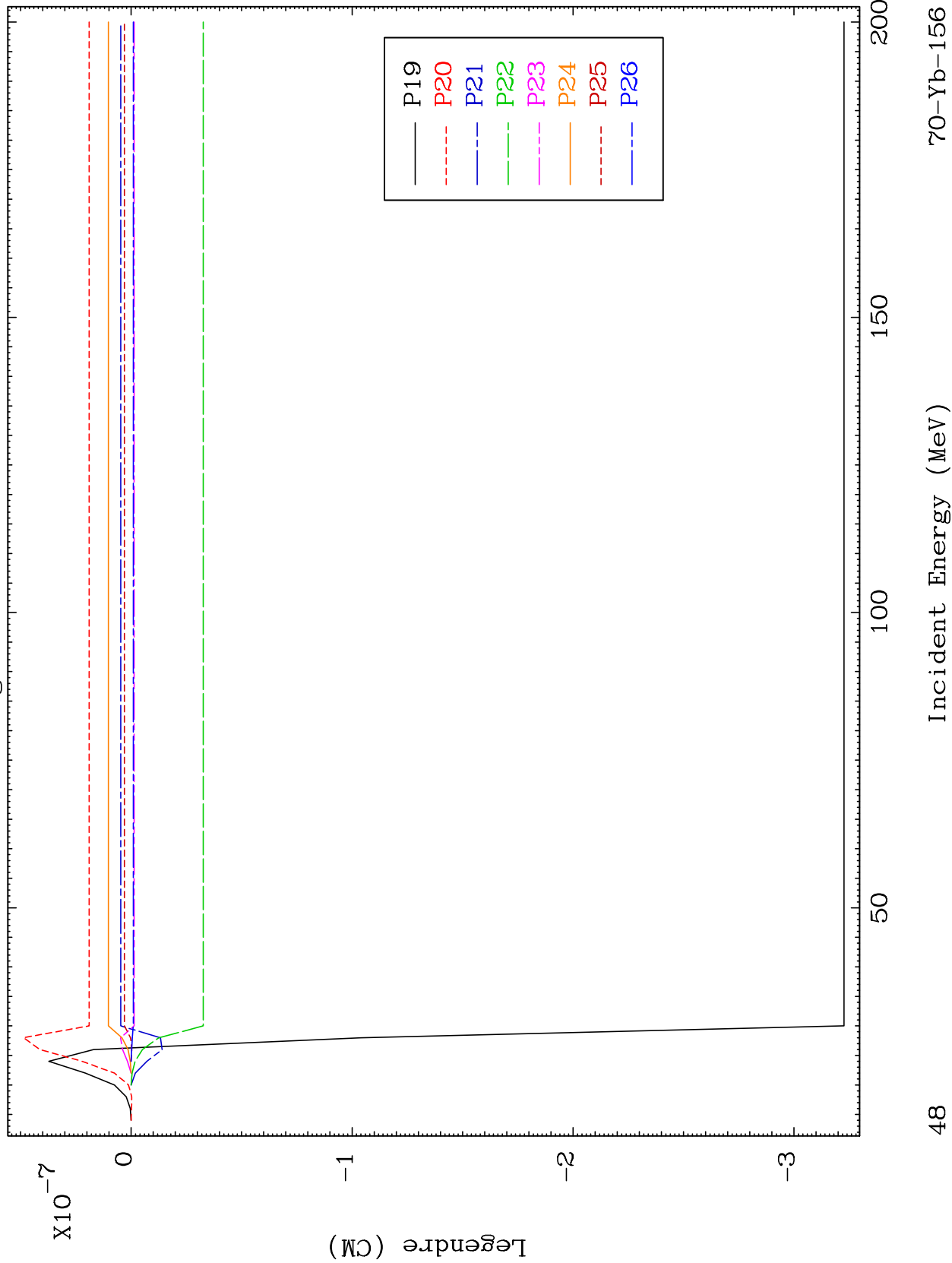
70-Yb-156



MAT 6989

70-Yb-156

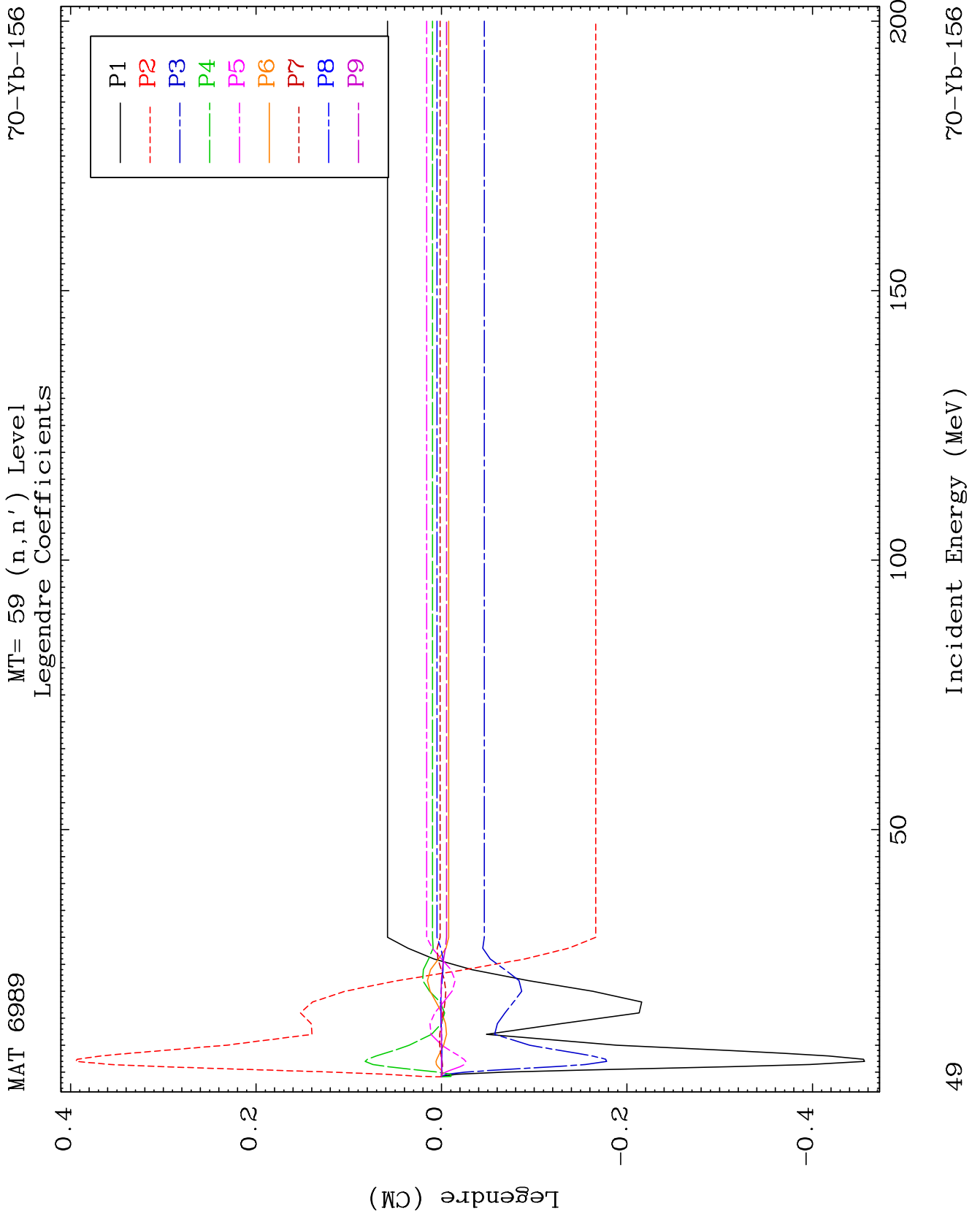
MT= 58 (n,n') Level
Legendre Coefficients



48

Incident Energy (MeV)

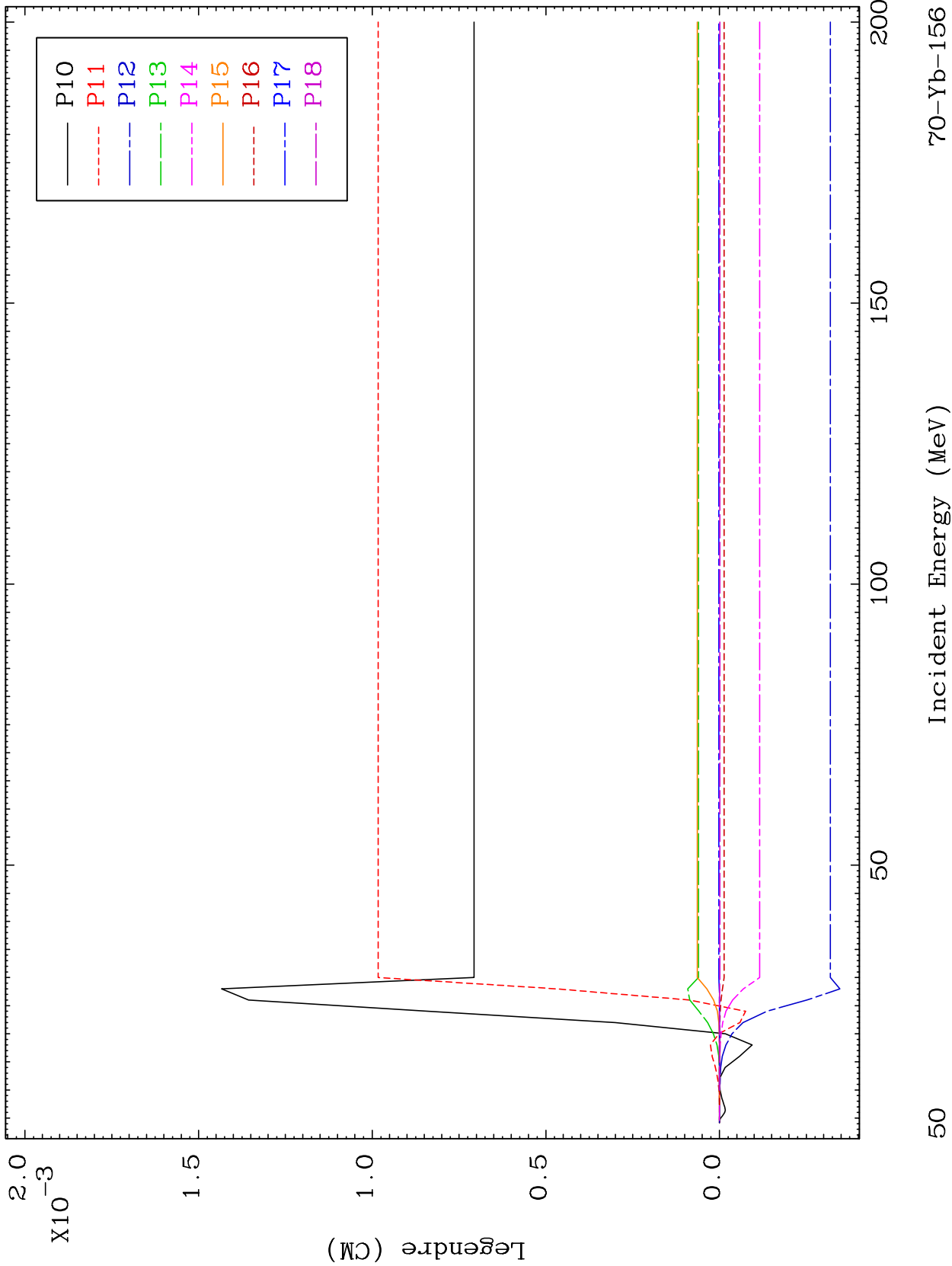
70-Yb-156



MAT 6989

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

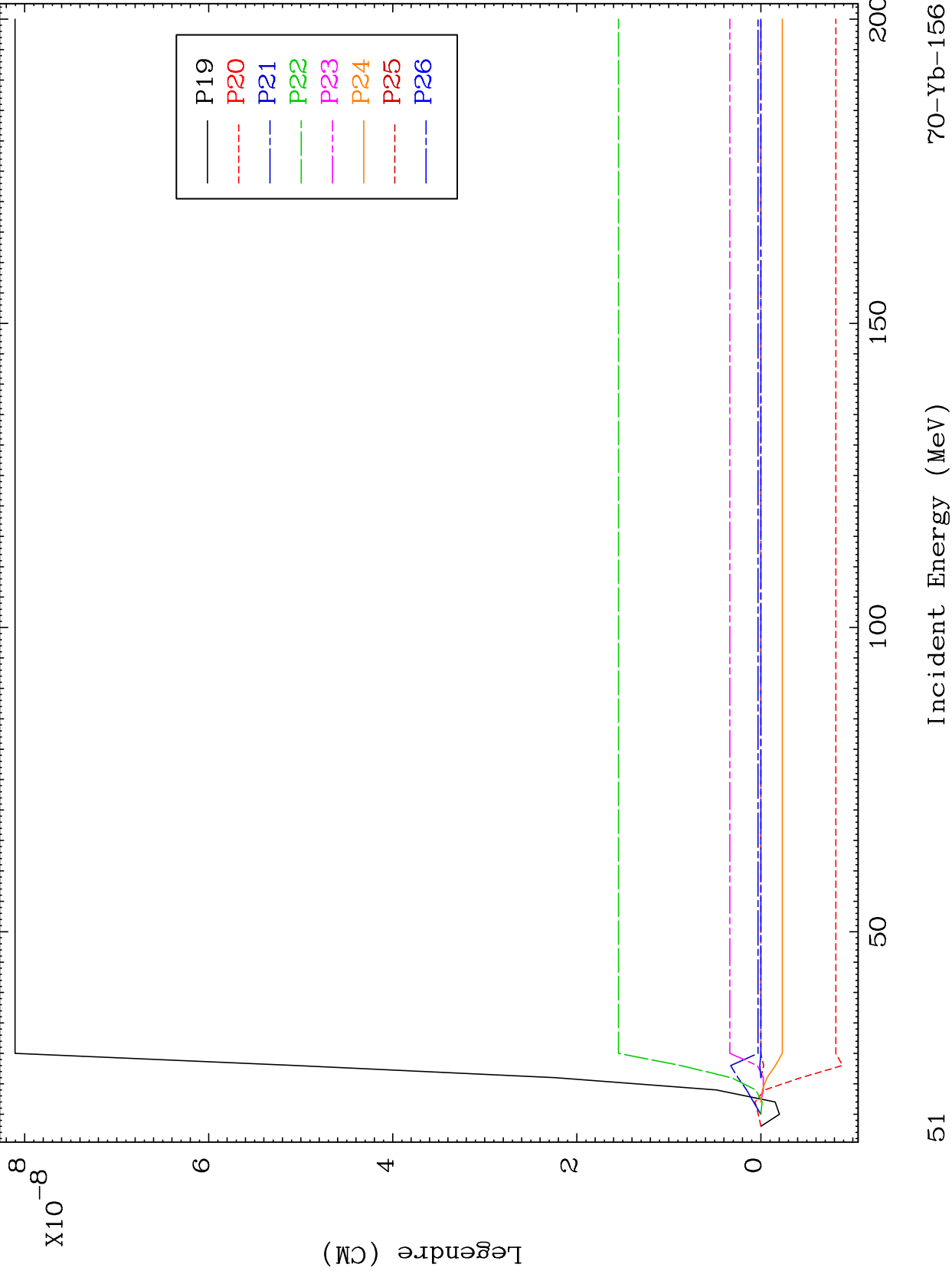
70-Yb-156



MAT 6989

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

70-Yb-156



51

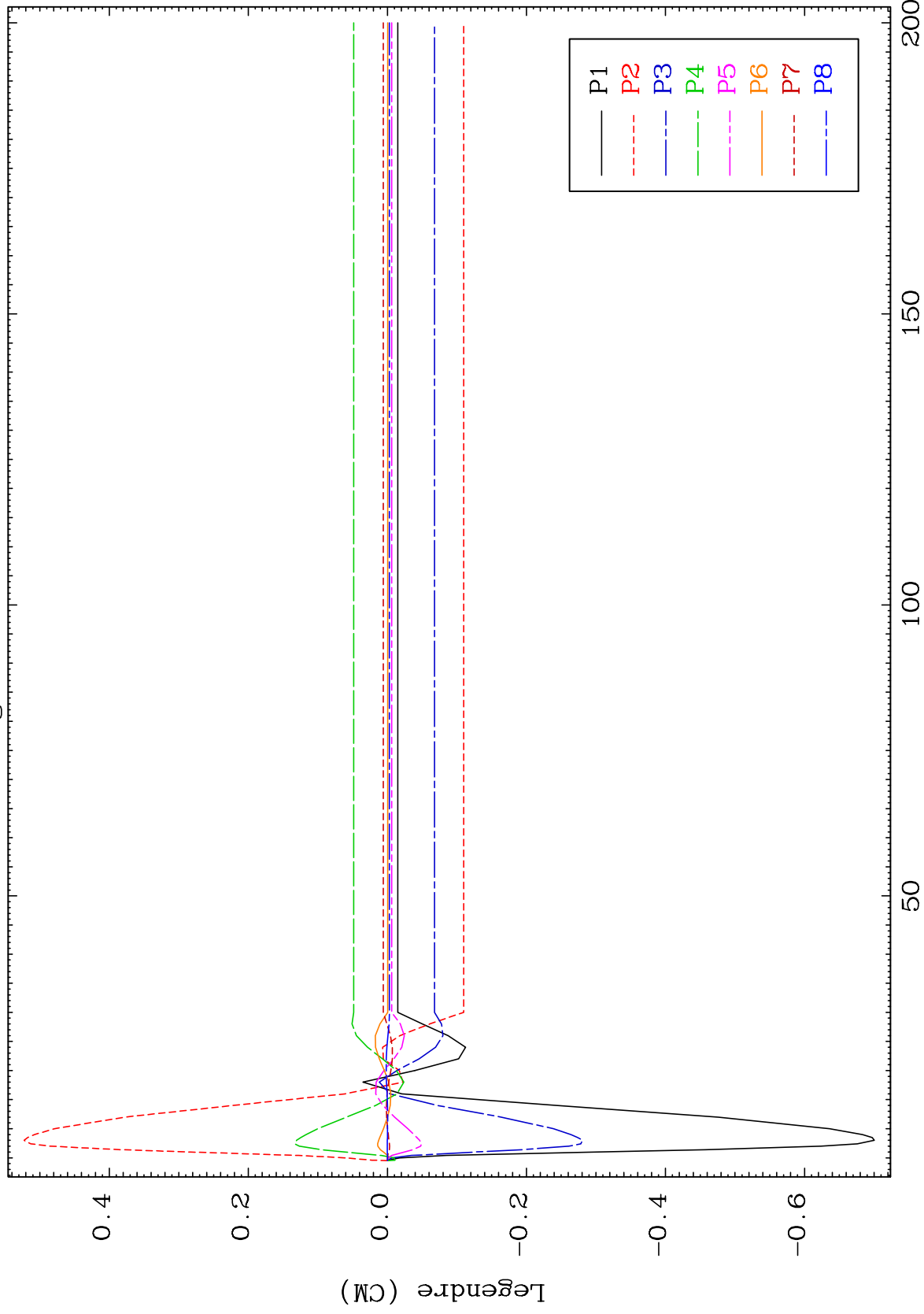
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



52

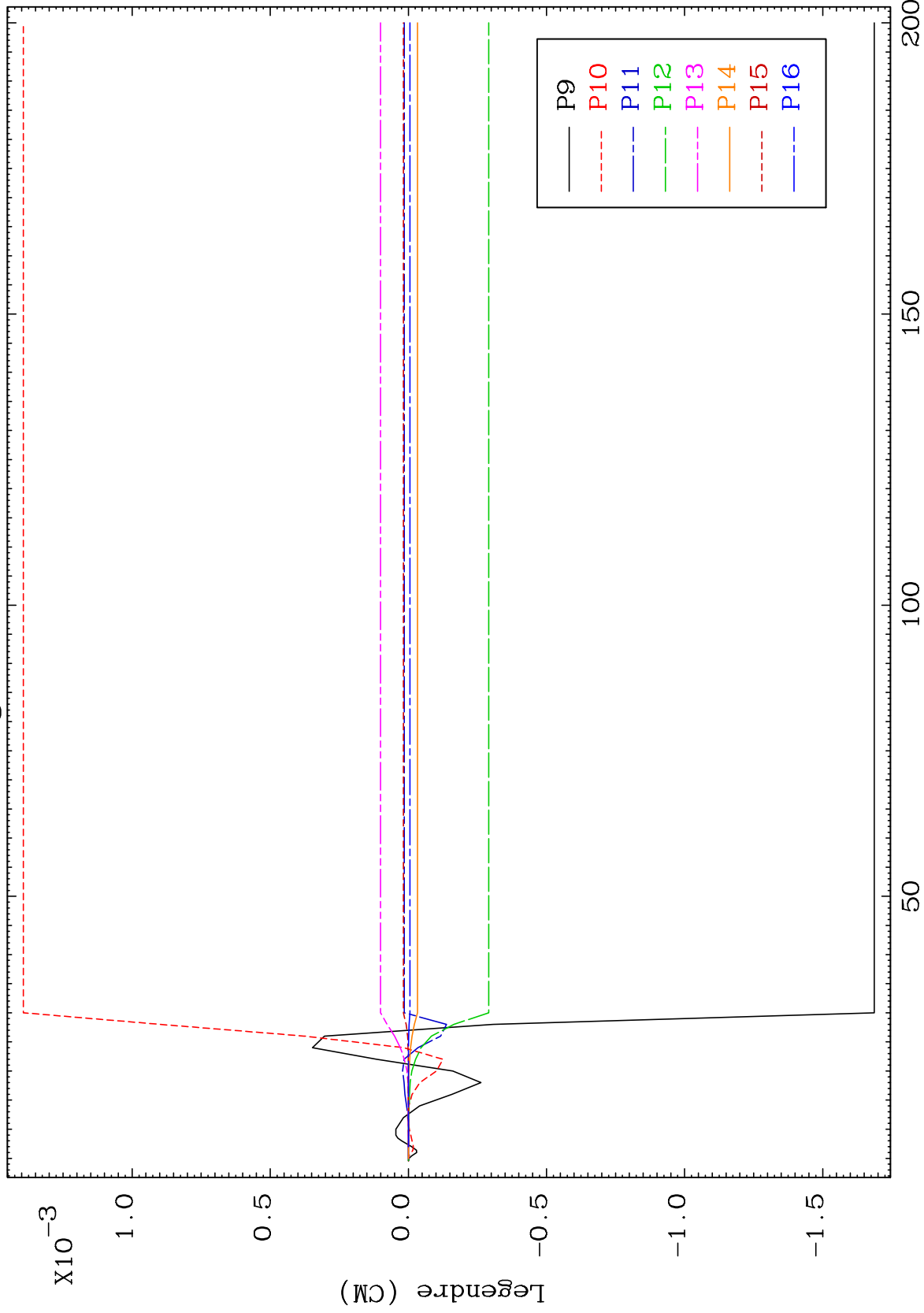
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



53

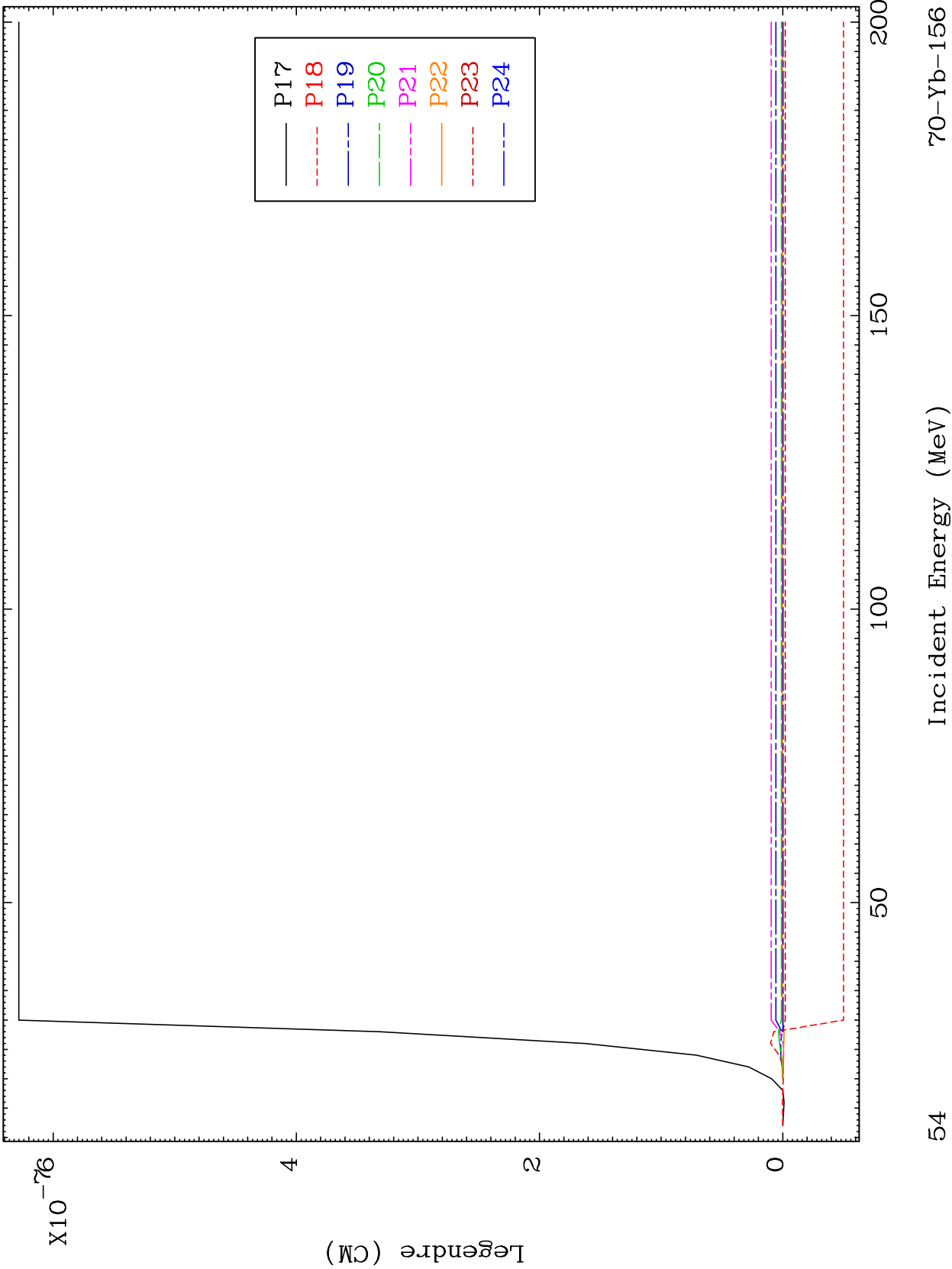
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



54

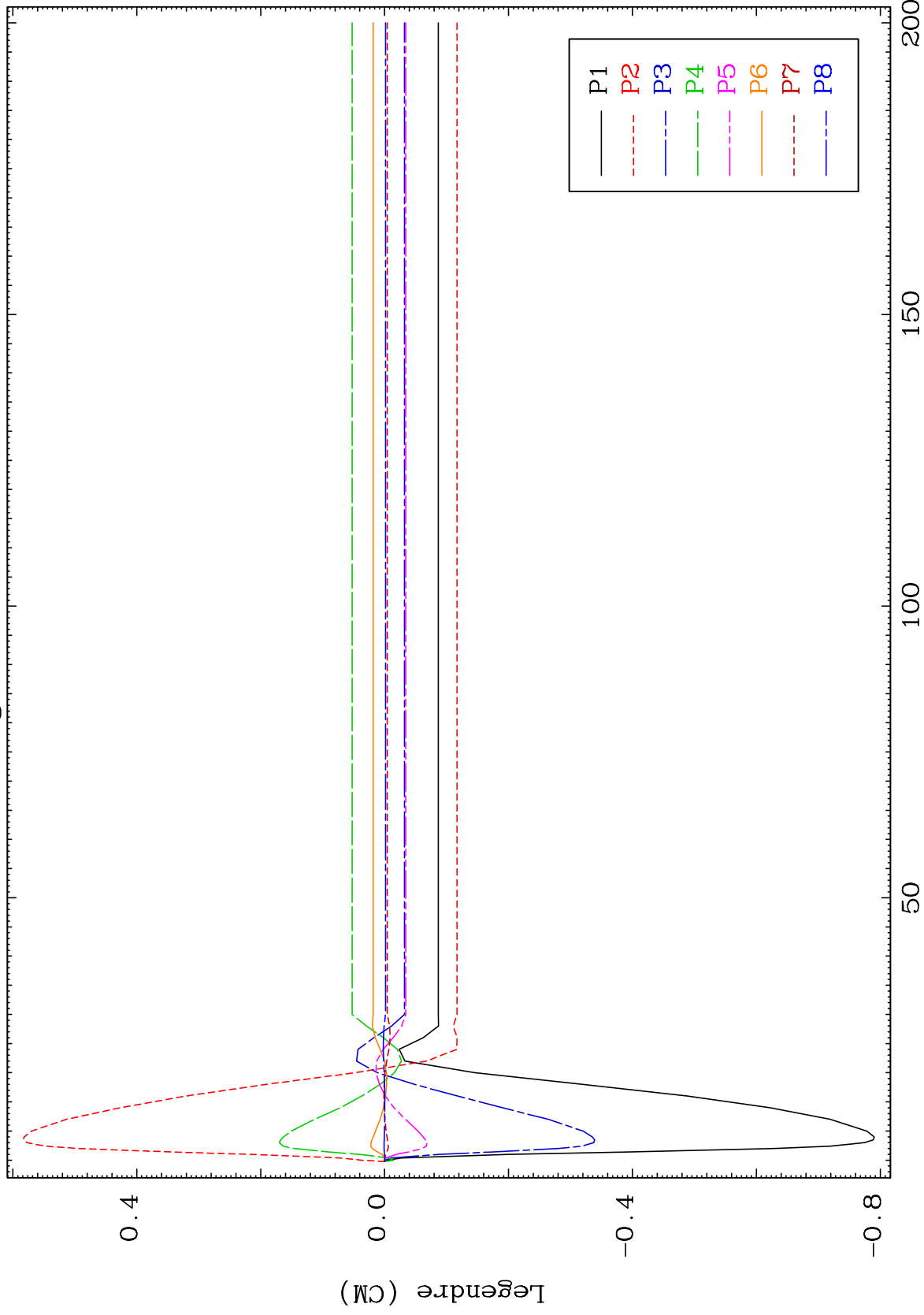
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



55

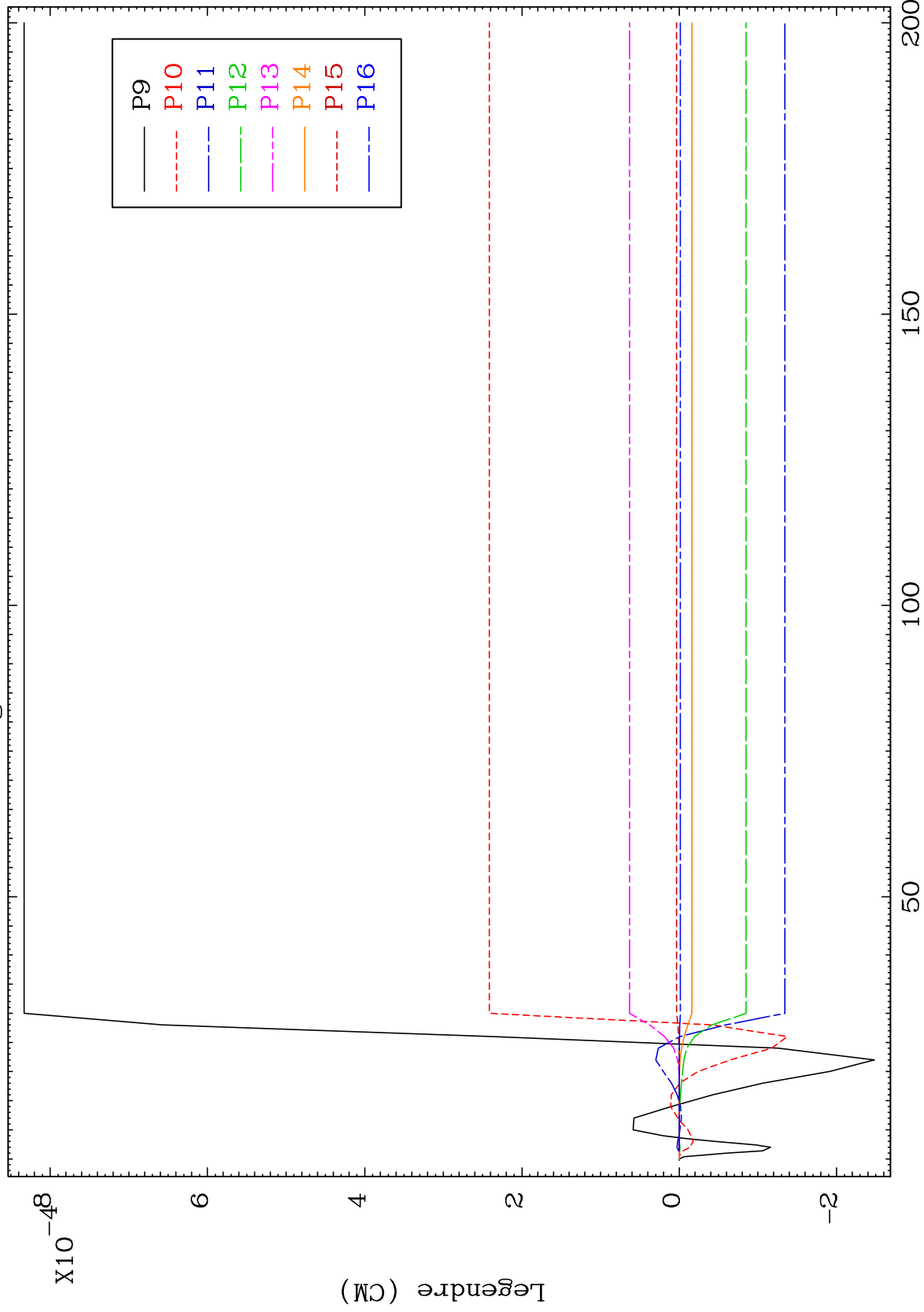
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



56

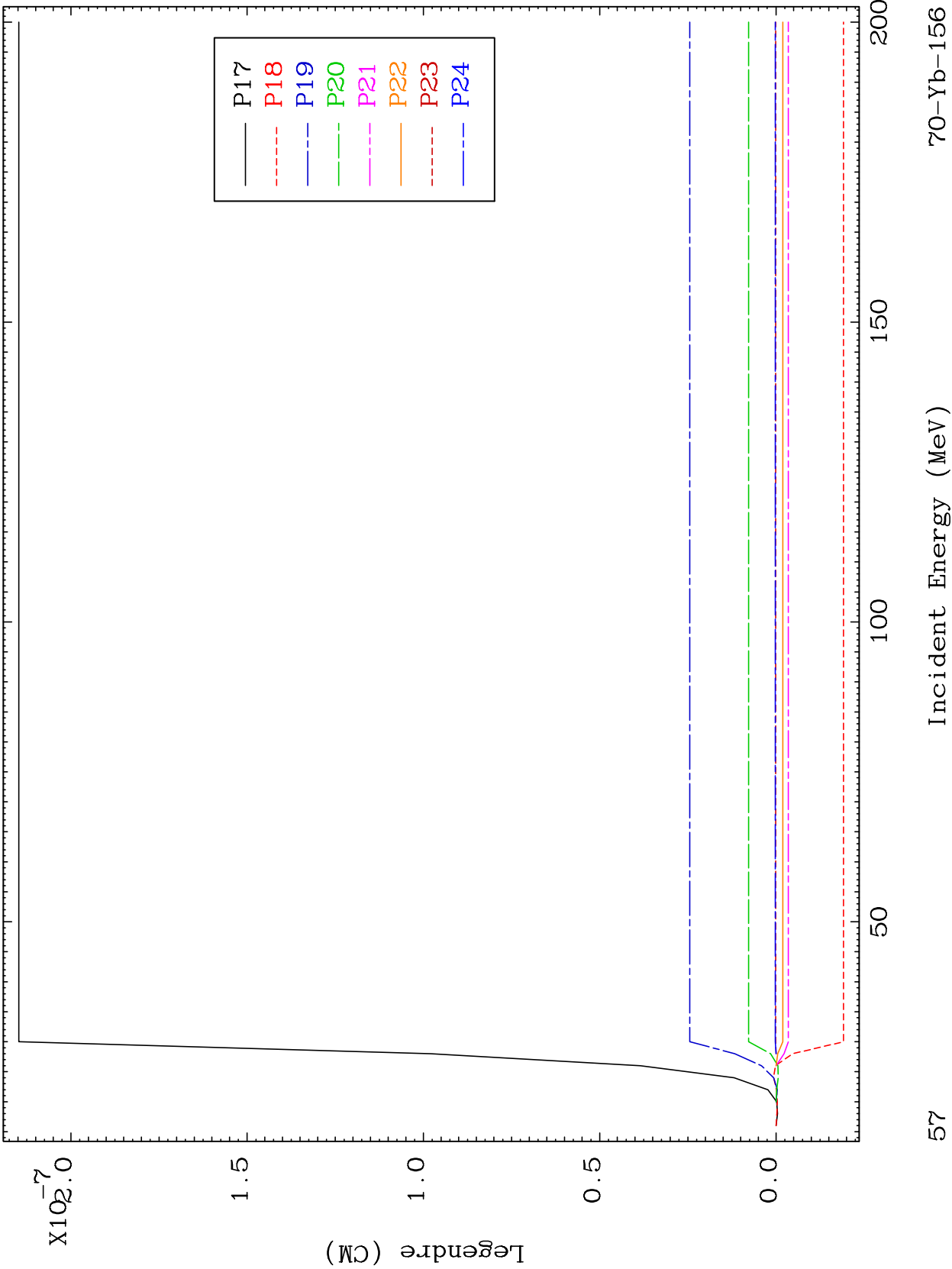
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



57

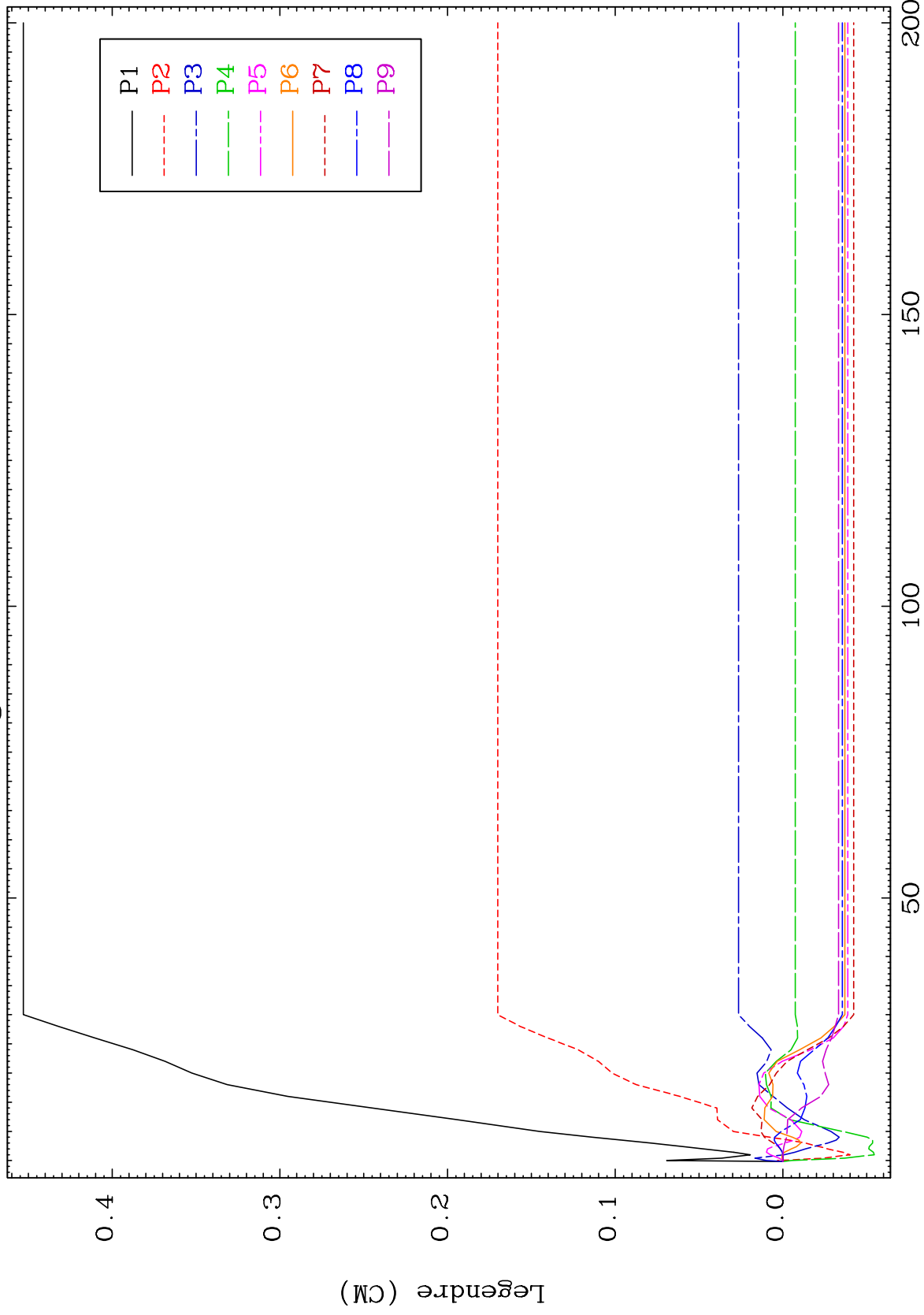
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

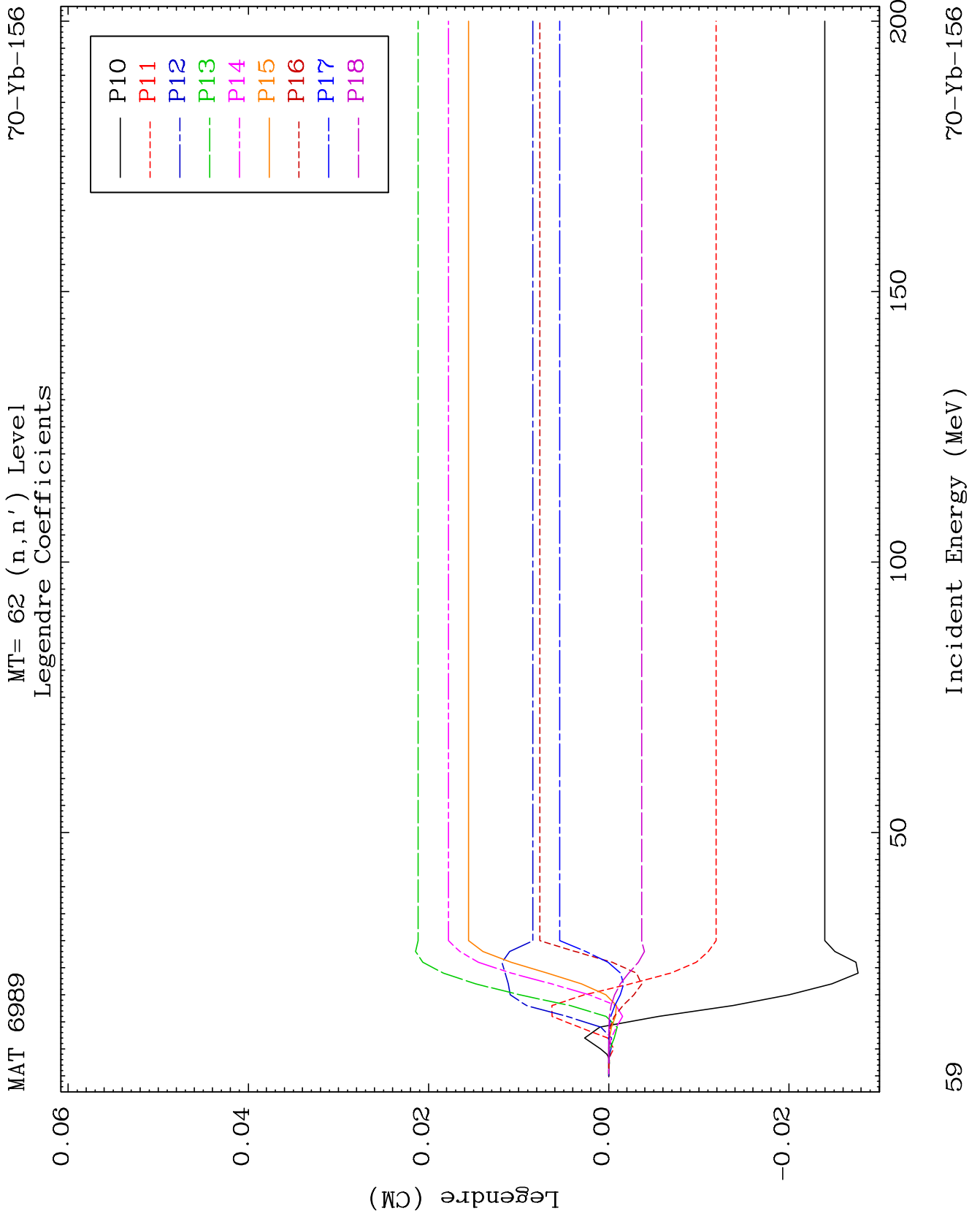
70-Yb-156



58

Incident Energy (MeV)

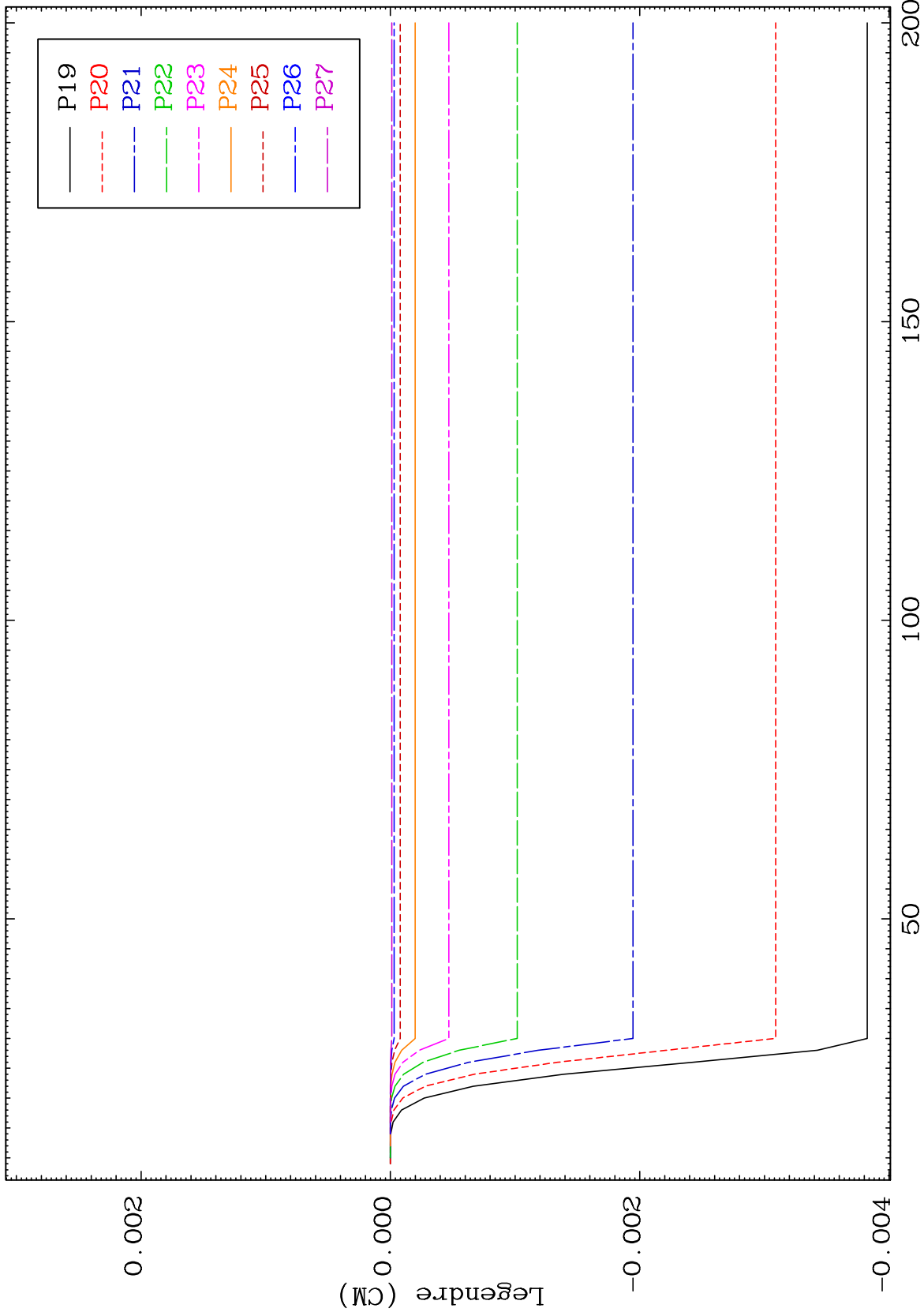
70-Yb-156



MAT 6989

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

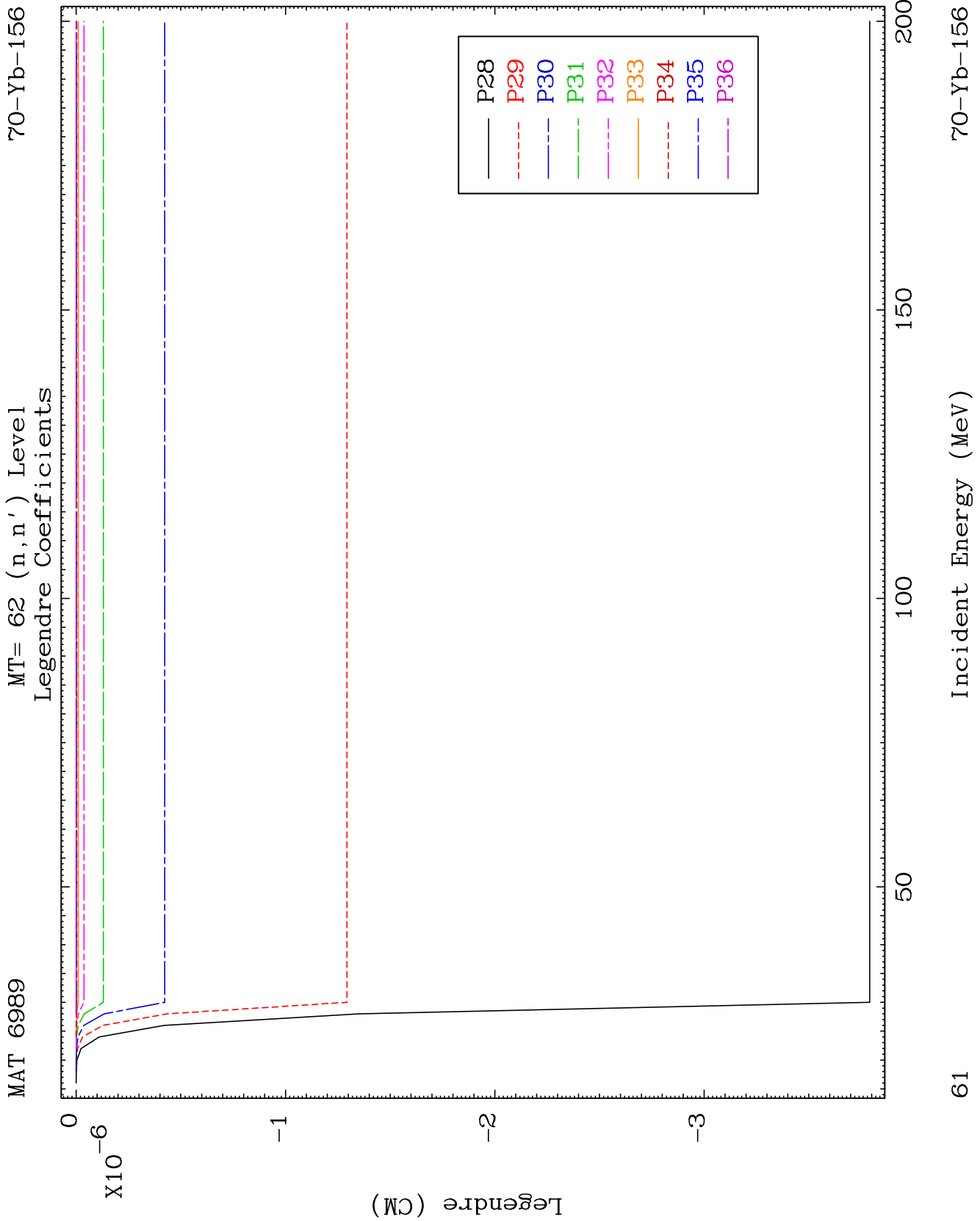
70-Yb-156



60

Incident Energy (MeV)

70-Yb-156

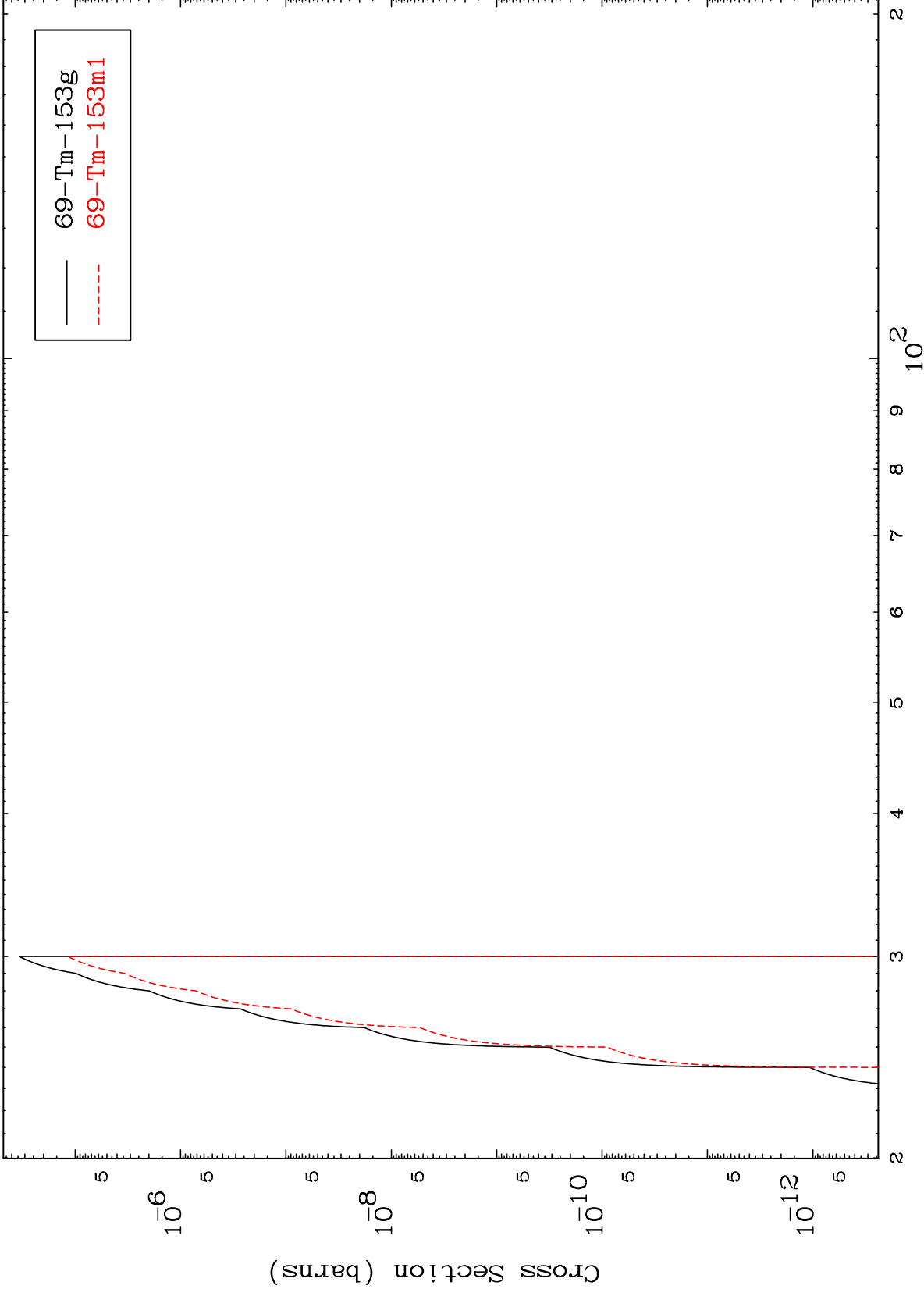


MAT 6989

(n,2n) d

70-Yb-156

Radionuclide Production Cross Section



62

Incident Energy (MeV)

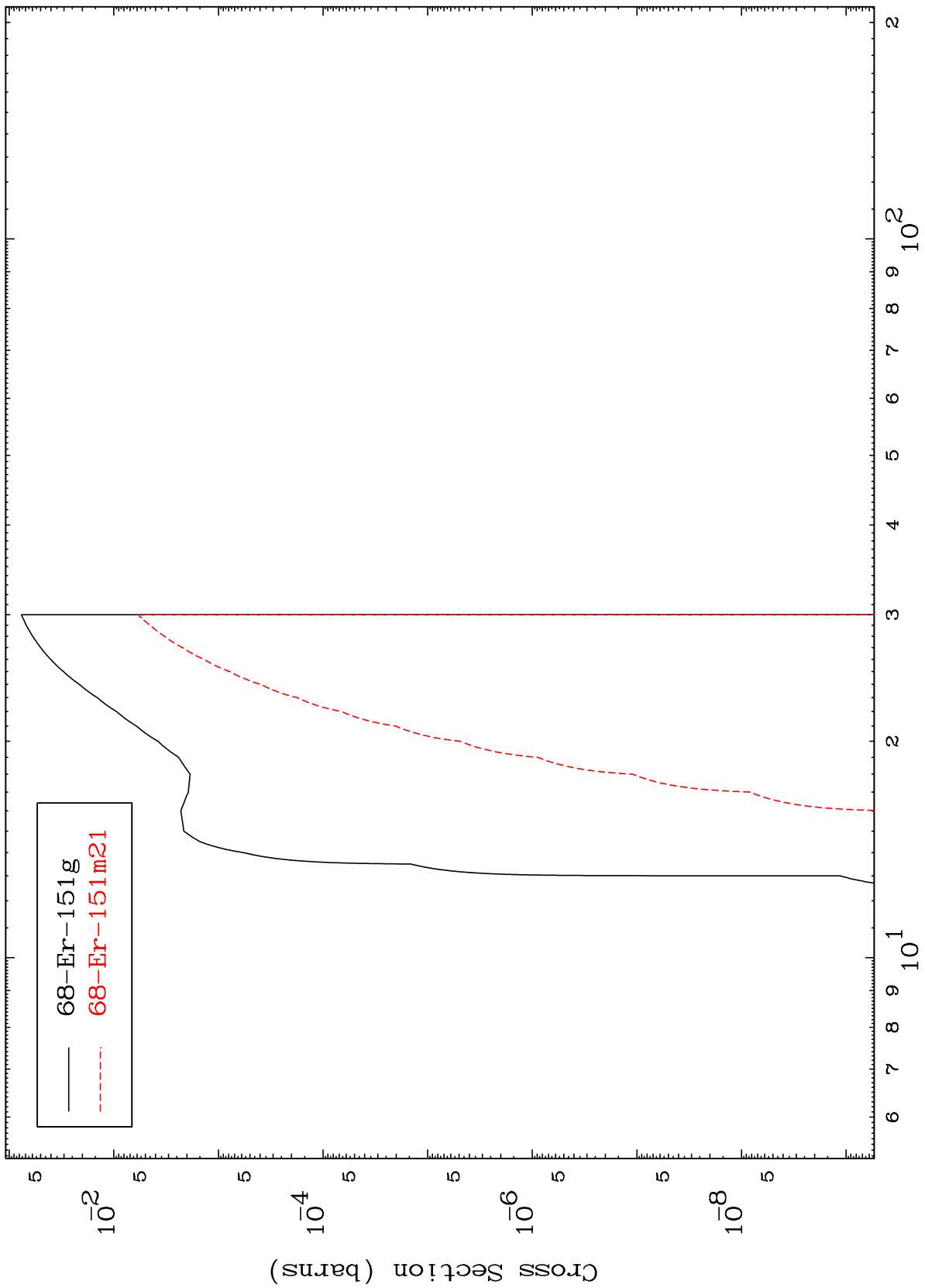
70-Yb-156

MAT 6989

(n,2n) α

70-Yb-156

Radionuclide Production Cross Section



63

Incident Energy (MeV)

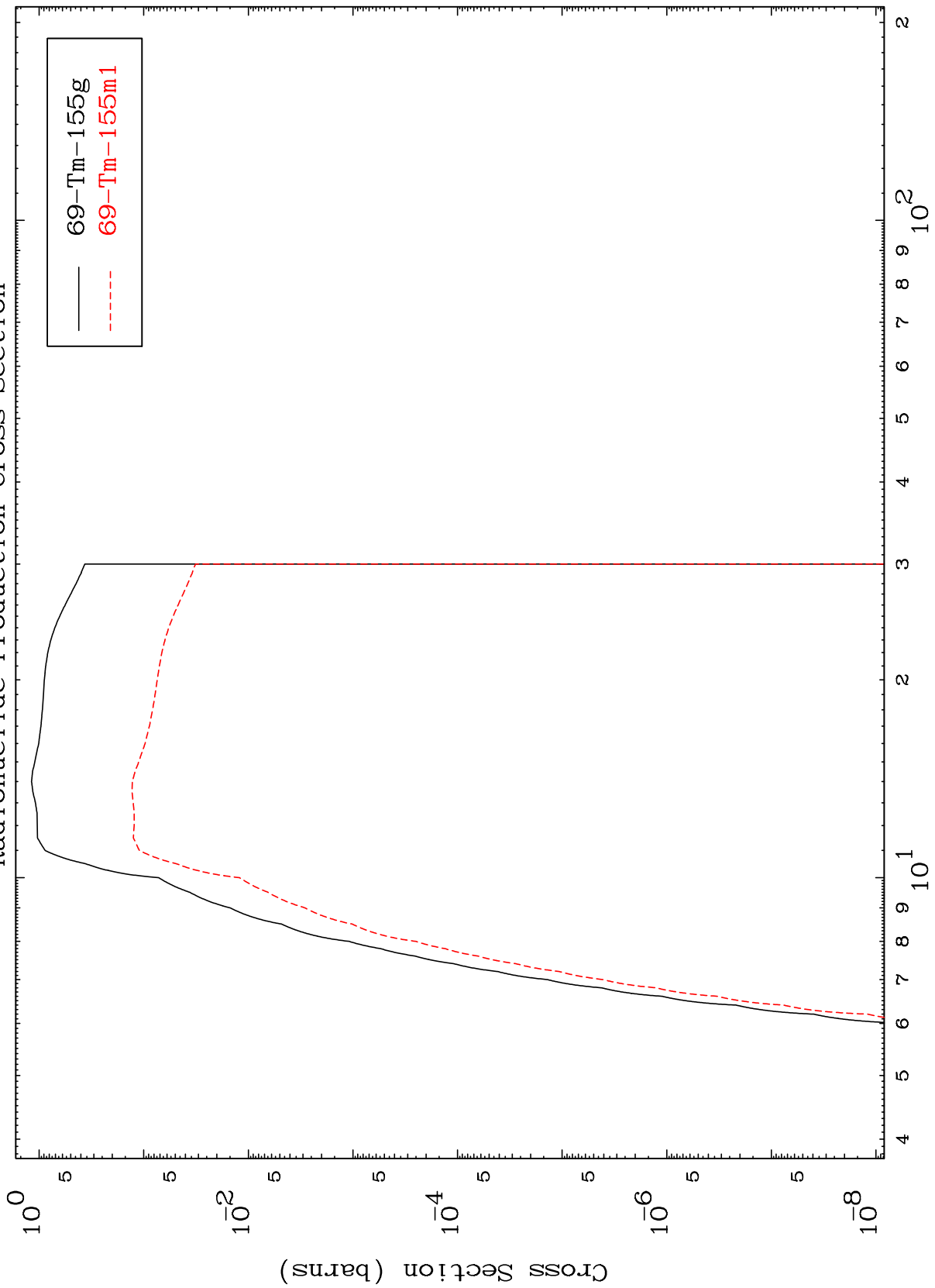
70-Yb-156

MAT 6989

(n,n') p

70-Yb-156

Radionuclide Production Cross Section



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

64

Incident Energy (MeV)

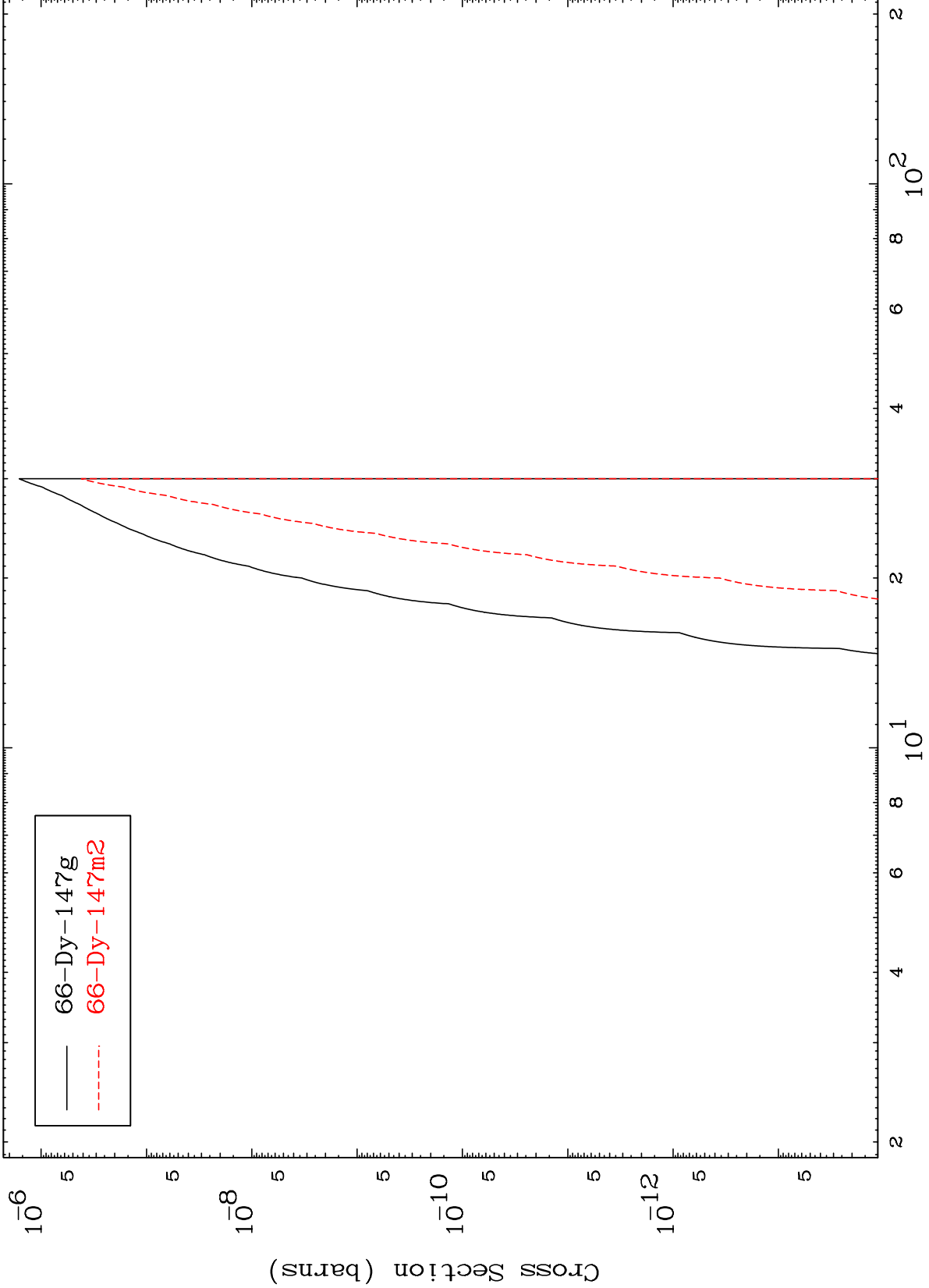
70-Yb-156

MAT 6989

(n,2n) 2α

70-Yb-156

Radionuclide Production Cross Section



66-Dy-147g
66-Dy-147m2

65

Incident Energy (MeV)

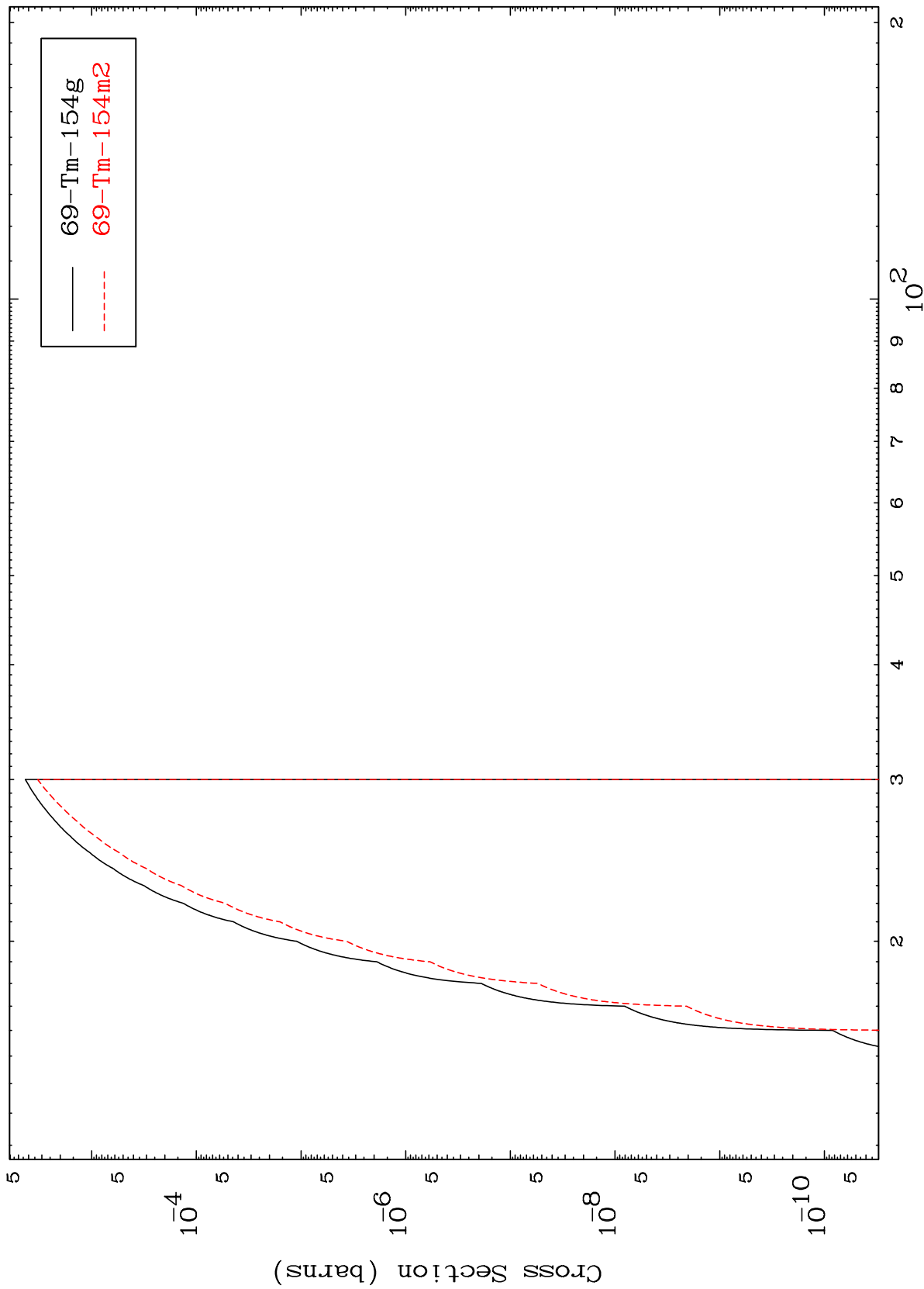
70-Yb-156

MAT 6989

(n,n') d

70-Yb-156

Radionuclide Production Cross Section



66

Incident Energy (MeV)

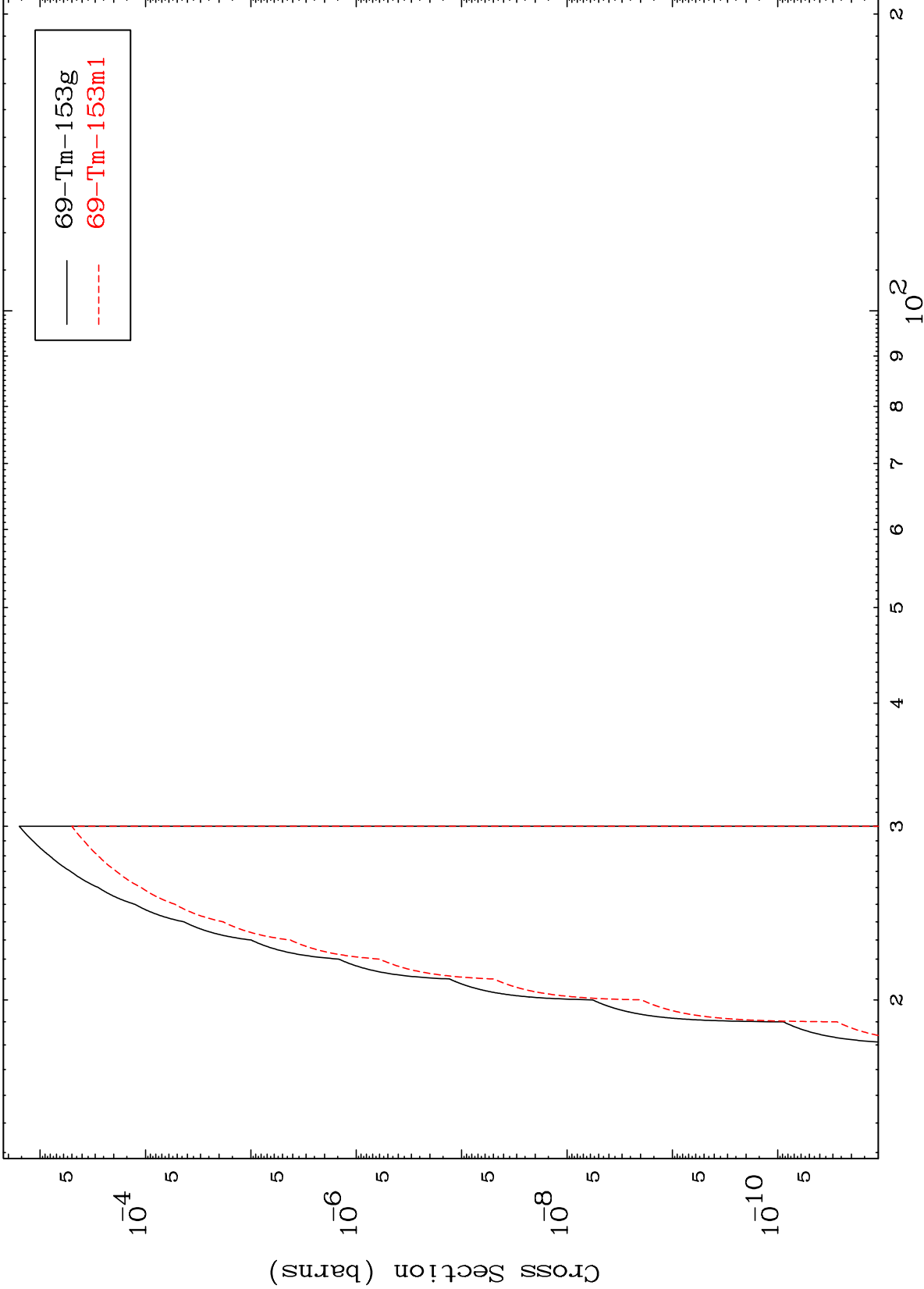
70-Yb-156

MAT 6989

(n,n') t

70-Yb-156

Radionuclide Production Cross Section



67

Incident Energy (MeV)

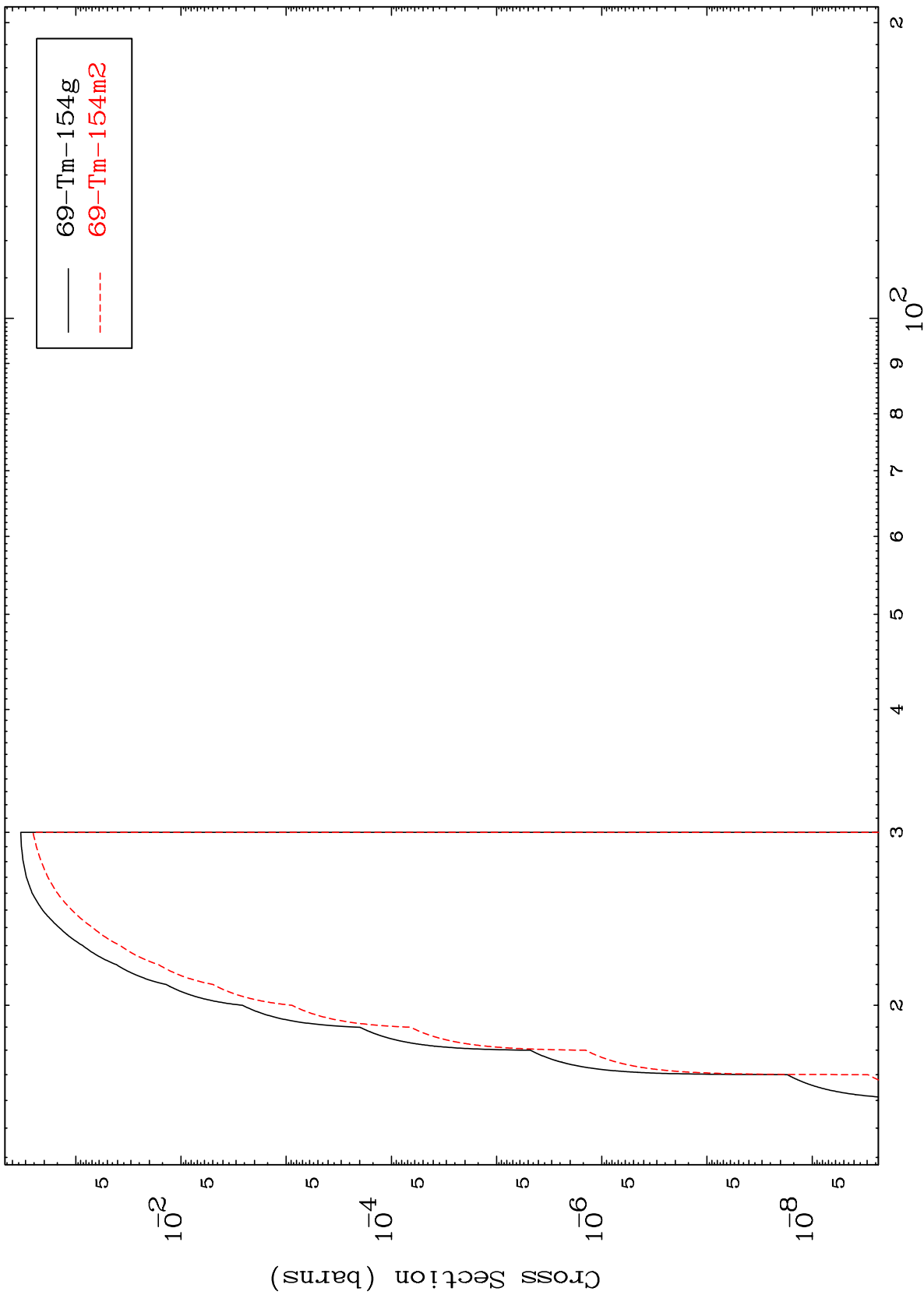
70-Yb-156

MAT 6989

(n,2n) p

70-Yb-156

Radionuclide Production Cross Section



68

Incident Energy (MeV)

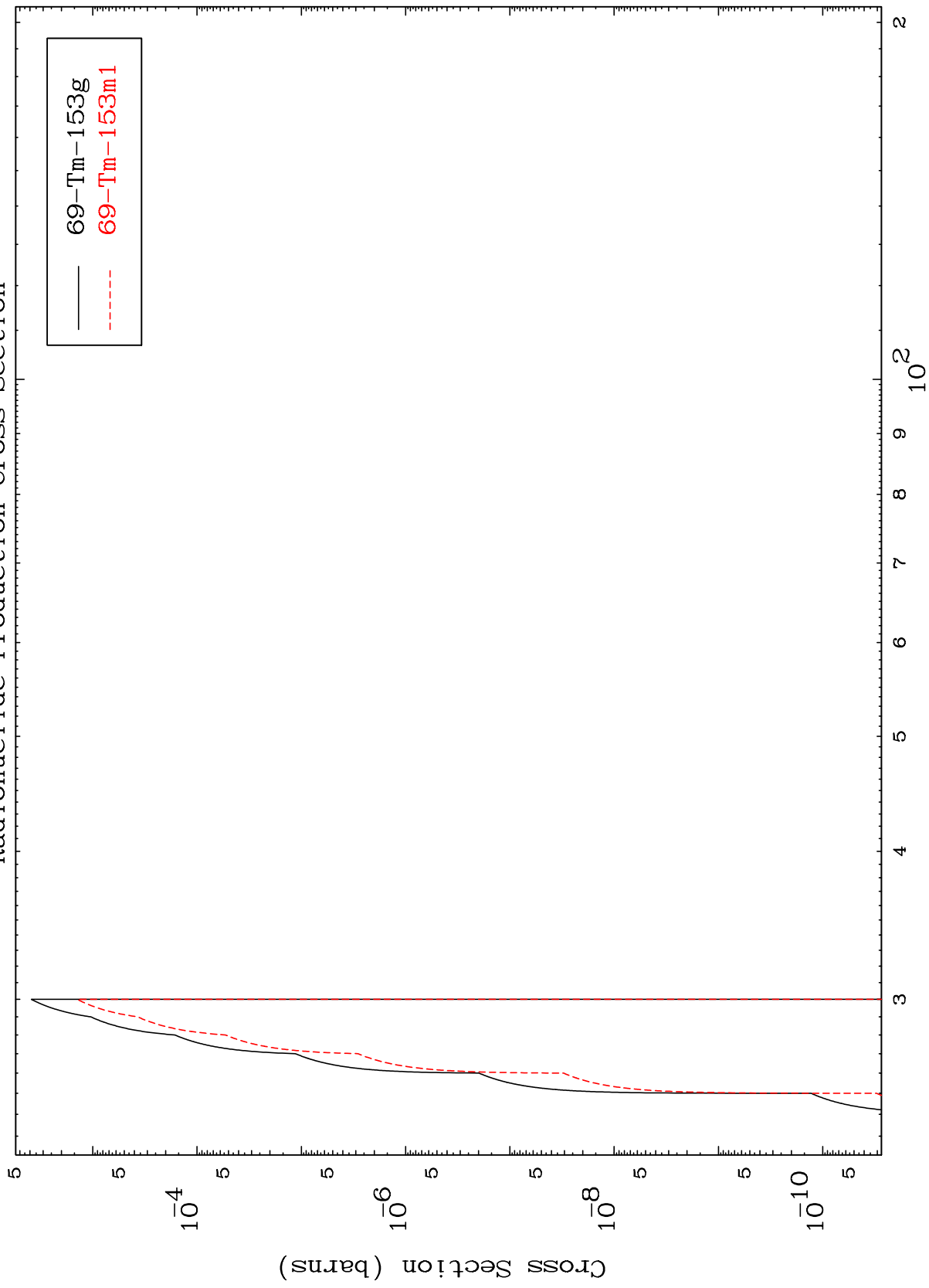
70-Yb-156

MAT 6989

(n,3n) p

70-Yb-156

Radionuclide Production Cross Section



69

Incident Energy (MeV)

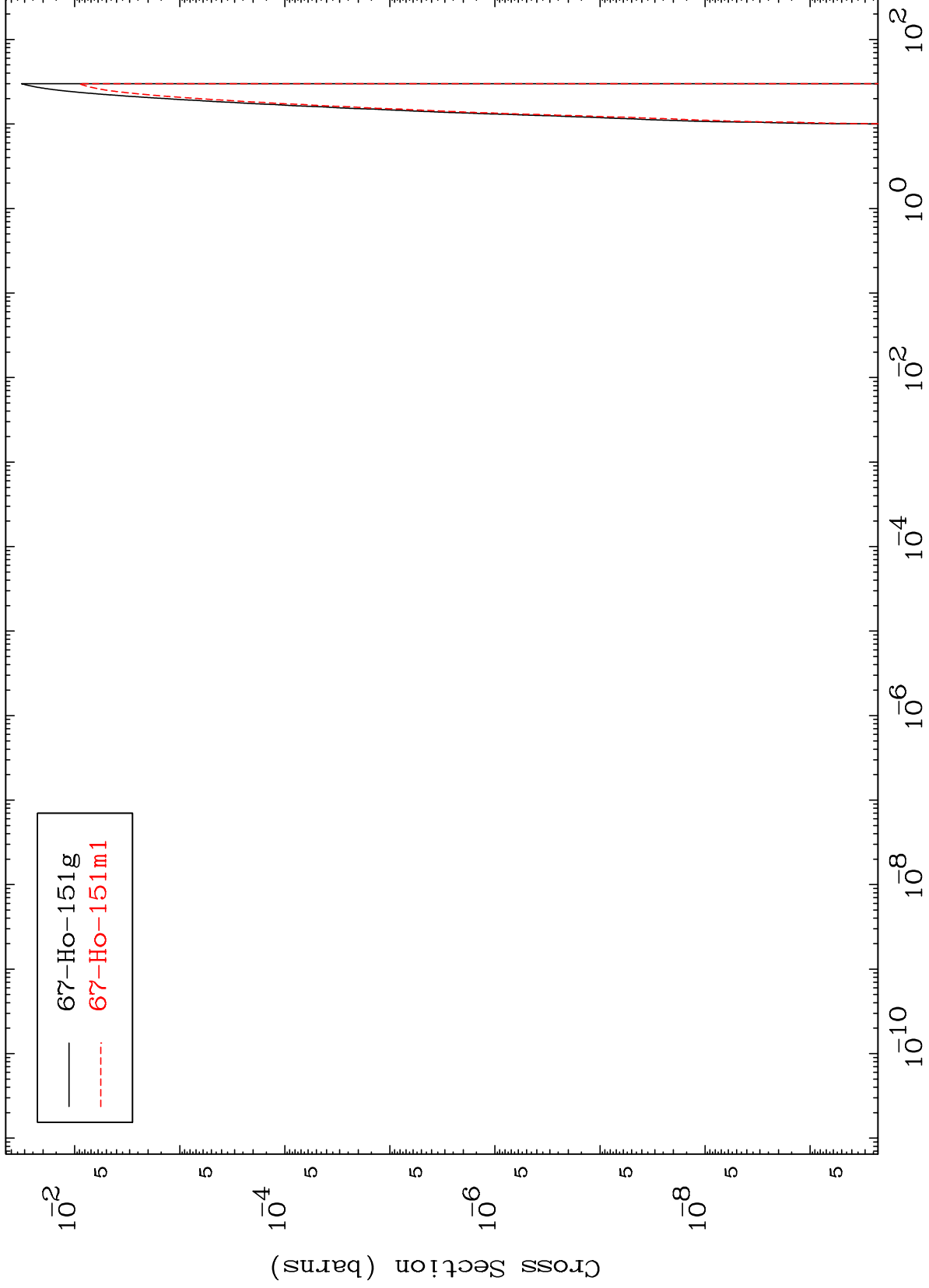
70-Yb-156

MAT 6989

(n,n') p α

70-Yb-156

Radionuclide Production Cross Section



— 67-Ho-151g
- - - 67-Ho-151m1

70

Incident Energy (MeV)

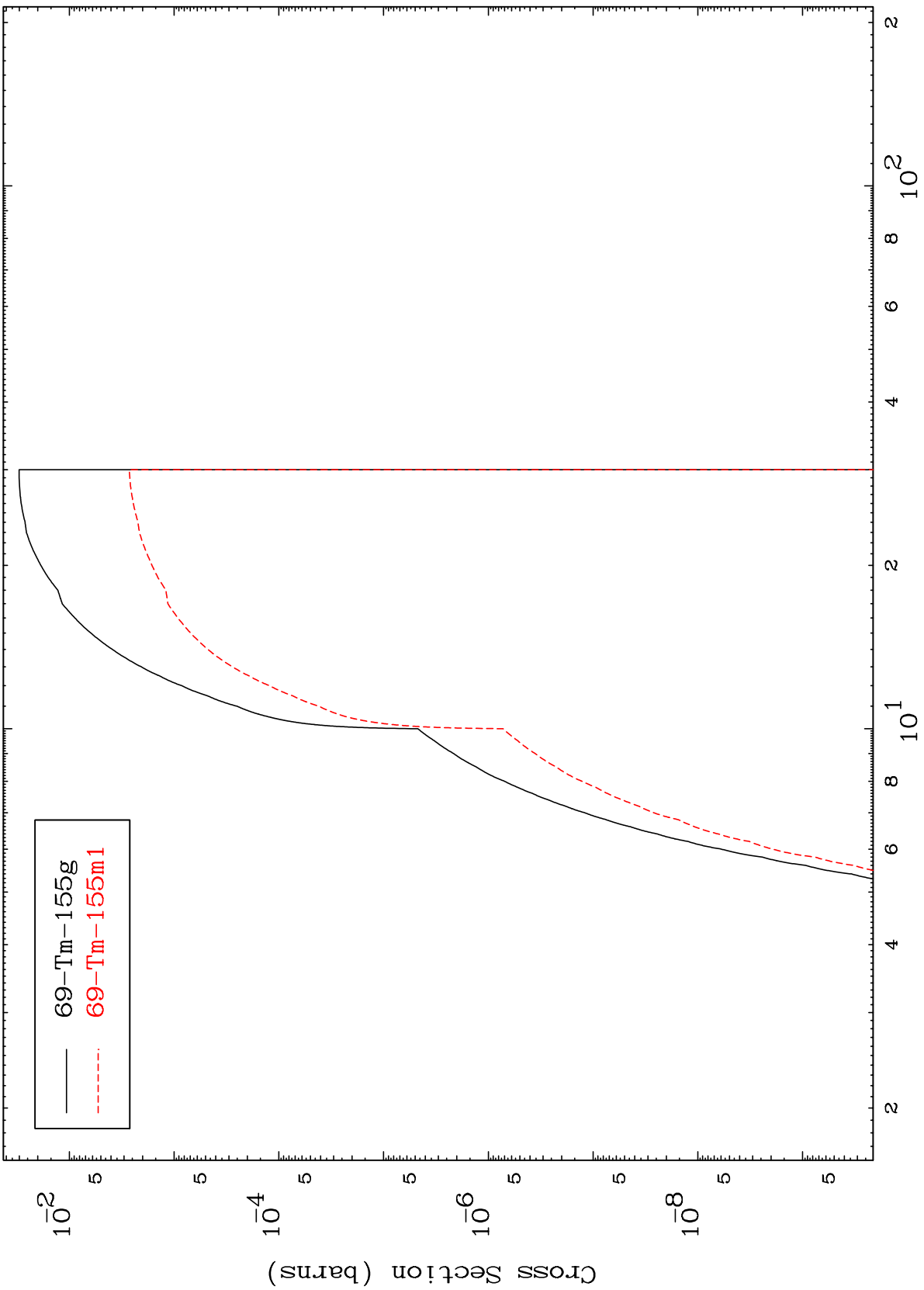
70-Yb-156

MAT 6989

(n,d)

70-Yb-156

Radionuclide Production Cross Section



— 69-Tm-155g
- - - 69-Tm-155m1

71

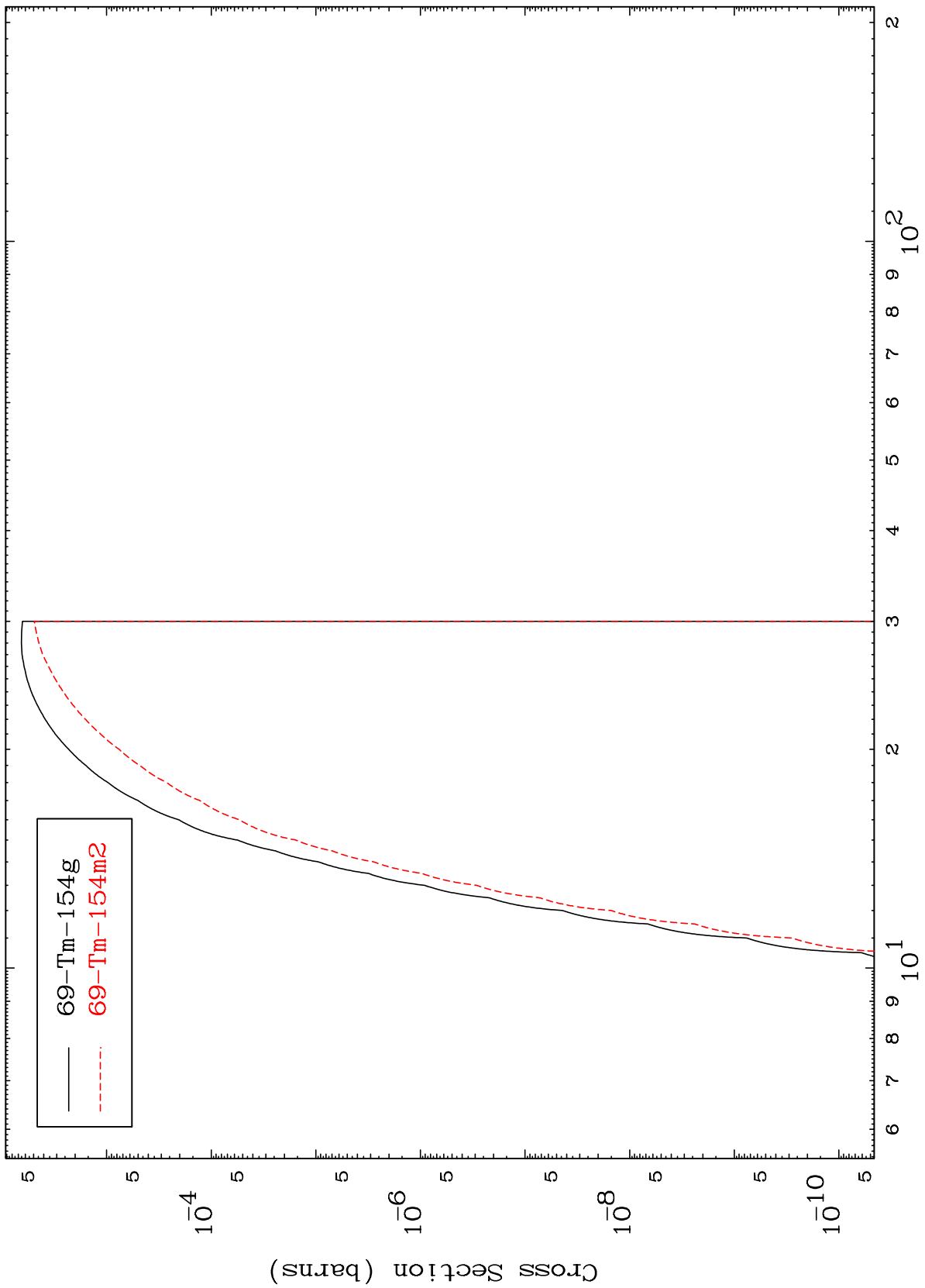
Incident Energy (MeV)

70-Yb-156

MAT 6989

70-Yb-156

(n, t)
Radionuclide Production Cross Section



— 69-Tm-154g
- - - 69-Tm-154m2

72

Incident Energy (MeV)

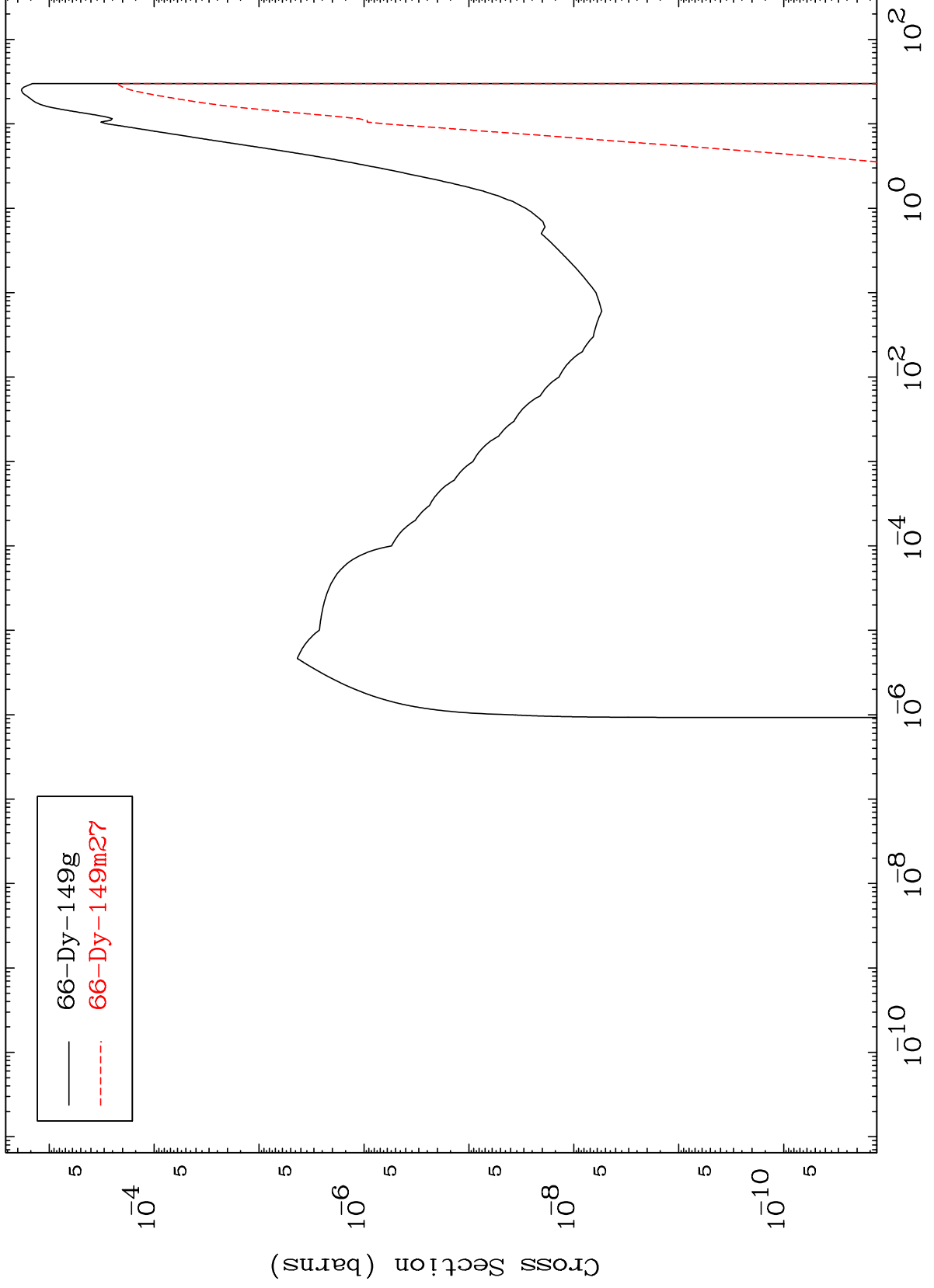
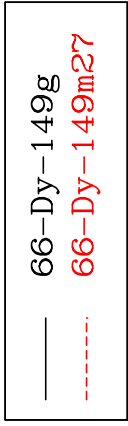
70-Yb-156

MAT 6989

(n,2α)

70-Yb-156

Radionuclide Production Cross Section



73

Incident Energy (MeV)

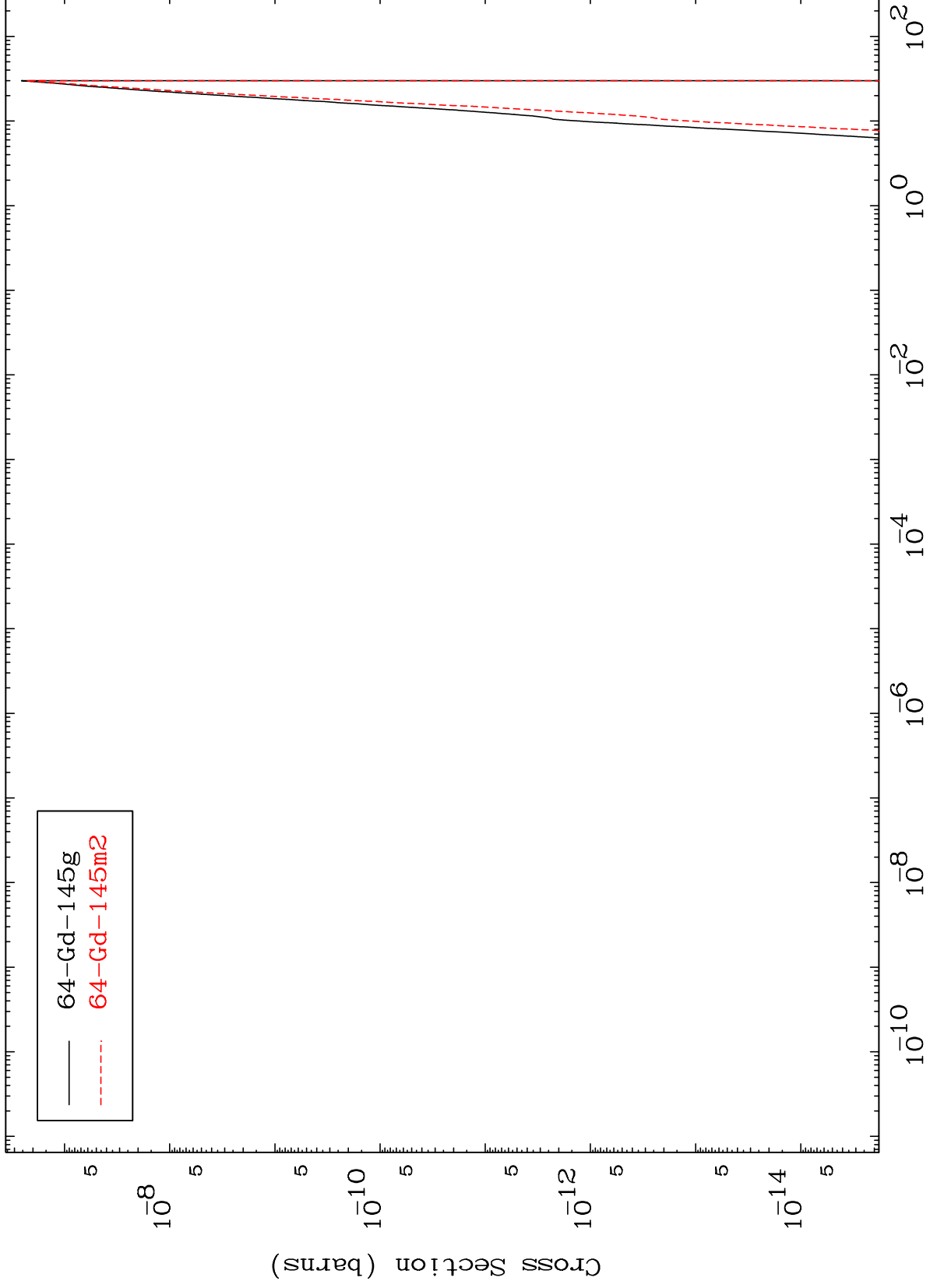
70-Yb-156

MAT 6989

(n, 3α)

70-Yb-156

Radionuclide Production Cross Section



74

Incident Energy (MeV)

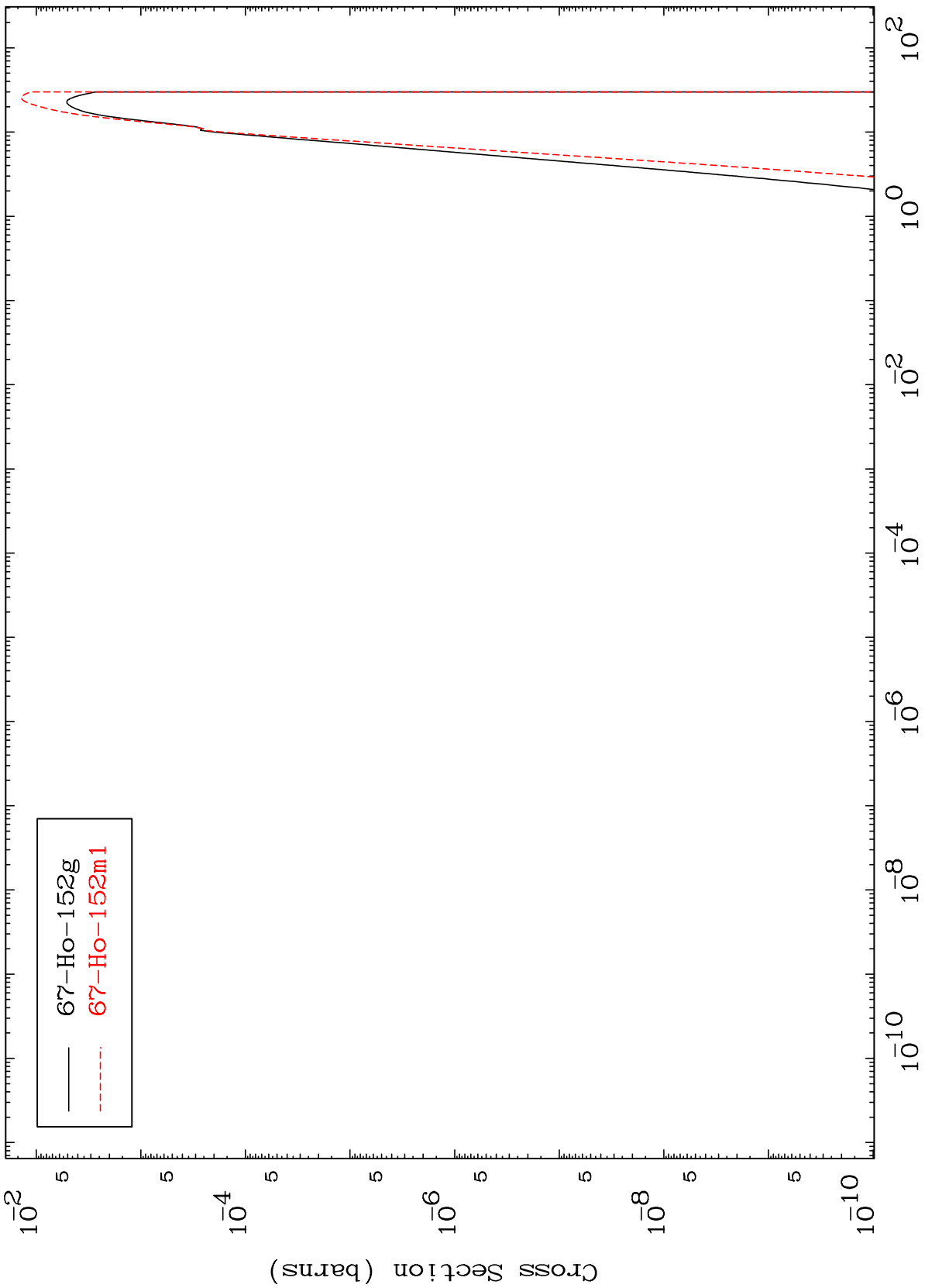
70-Yb-156

MAT 6989

(n,p) α

70-Yb-156

Radionuclide Production Cross Section



75

Incident Energy (MeV)

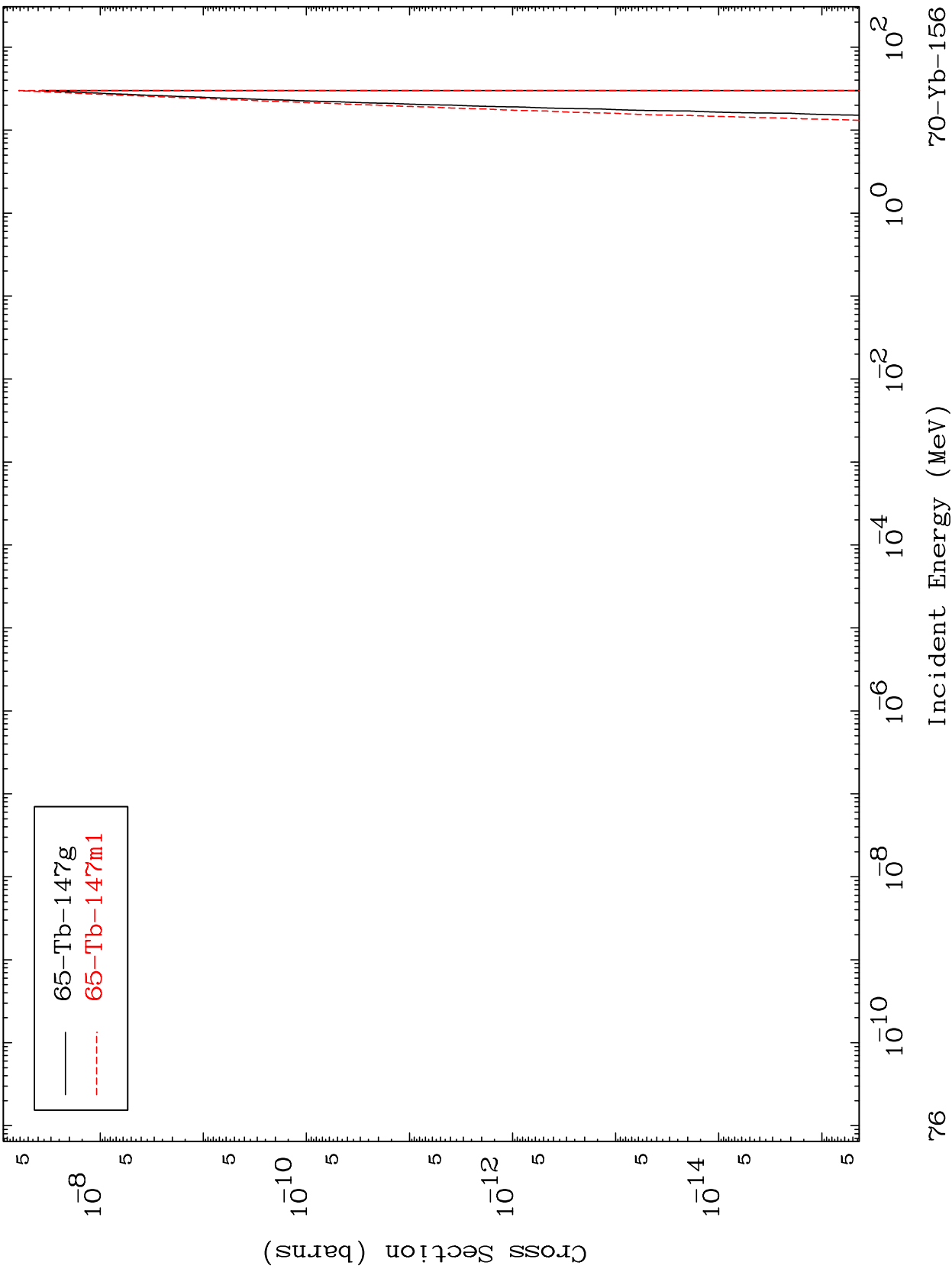
70-Yb-156

MAT 6989

(n,d) 2 α

70-Yb-156

Radionuclide Production Cross Section



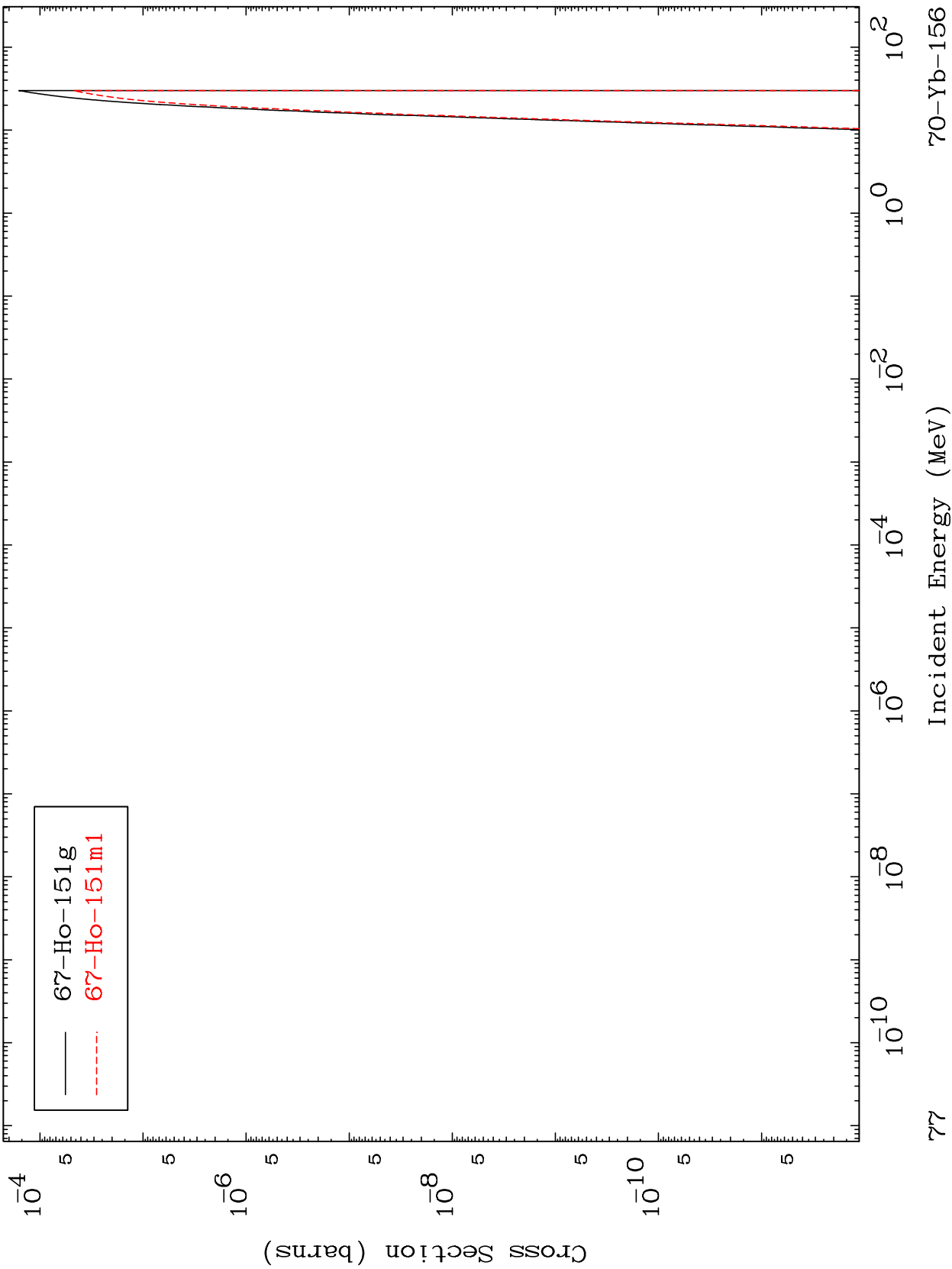
65-Tb-147g
65-Tb-147m1

MAT 6989

(n,d) α

⁷⁰Yb-156

Radionuclide Production Cross Section



— 67-Ho-151g
- - - 67-Ho-151m1