

Program EVALPLOT
(Version 2017-1)

by

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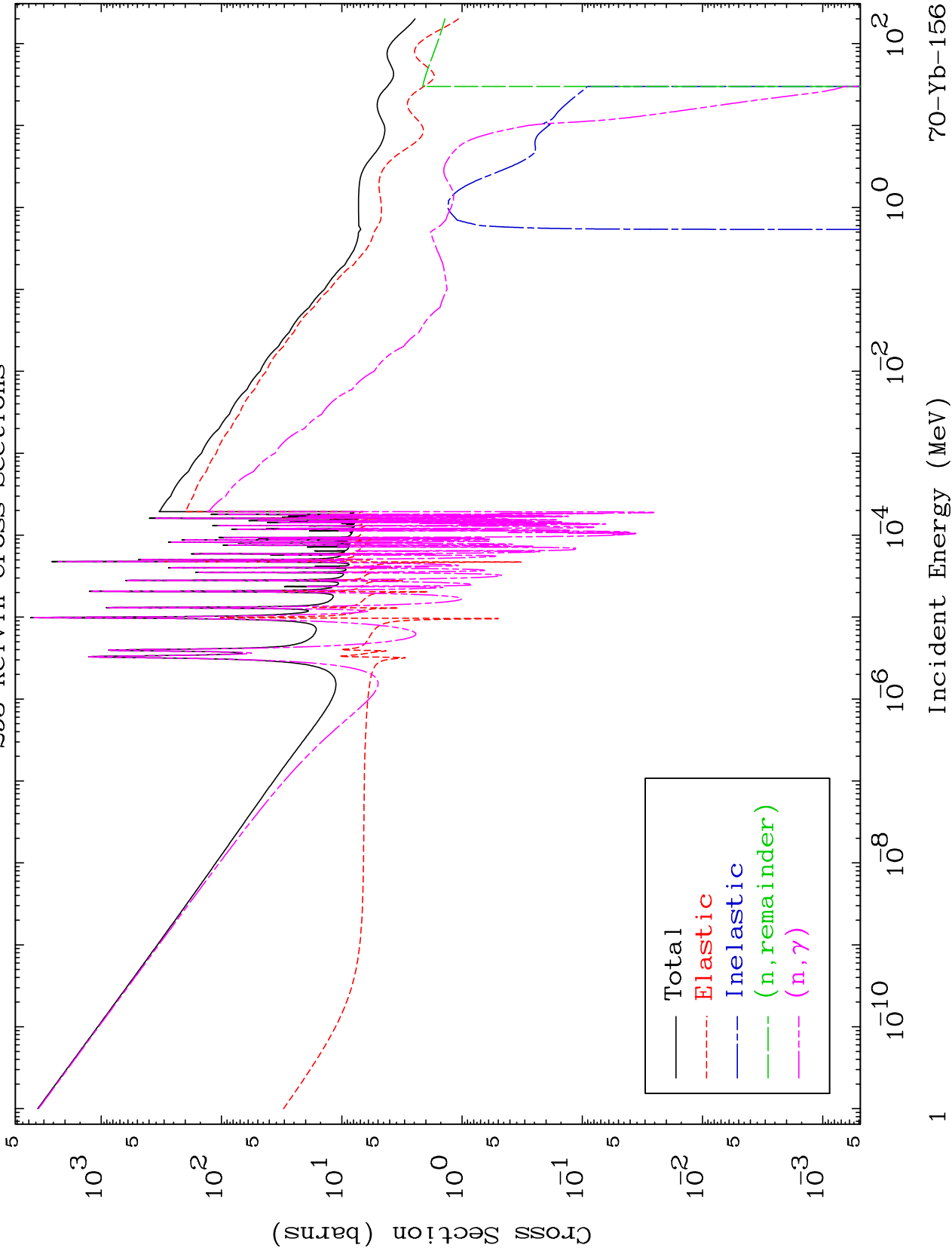
Press Mouse Button to Start

MAT 6989

Major

293 Kelvin Cross Sections

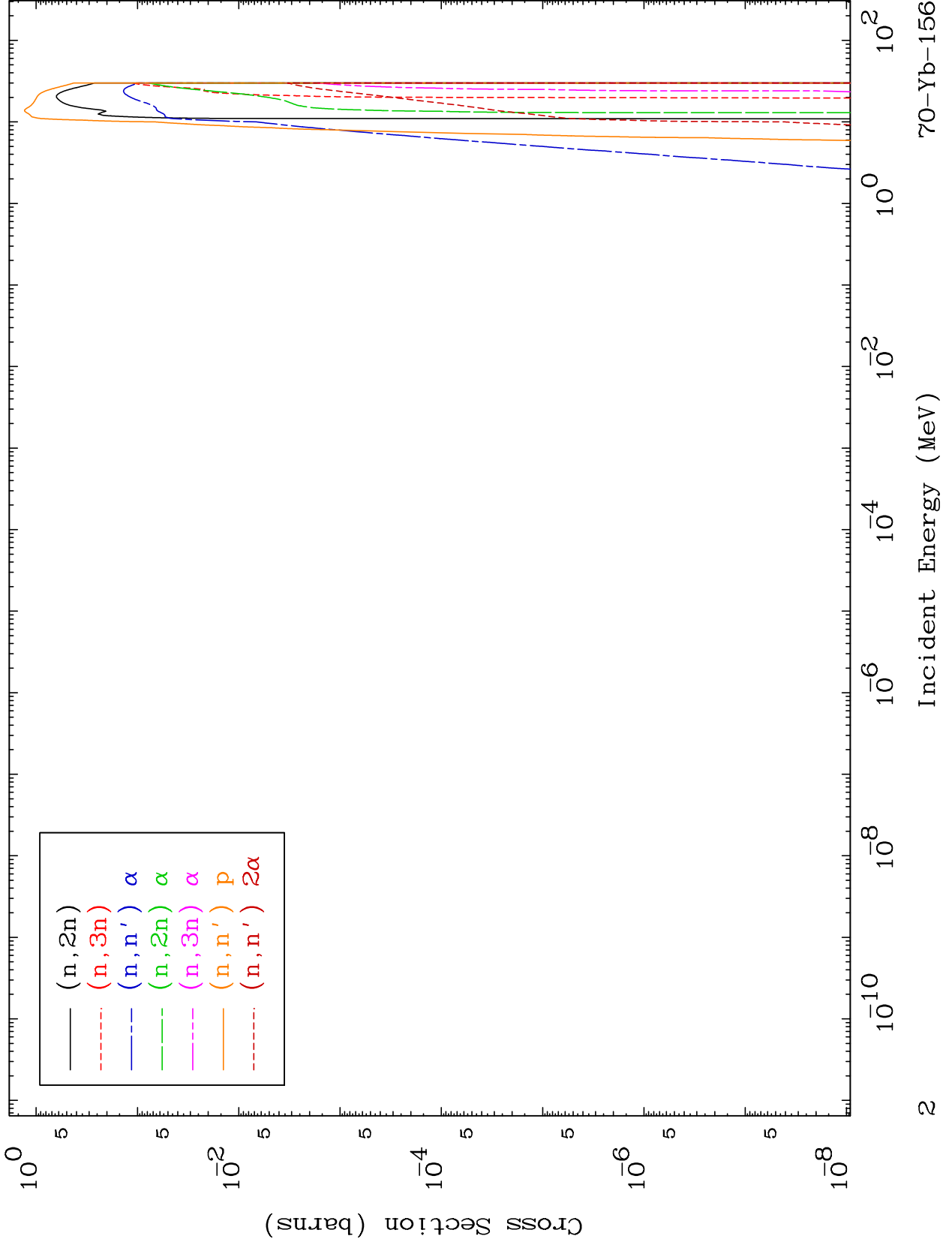
70-Yb-156

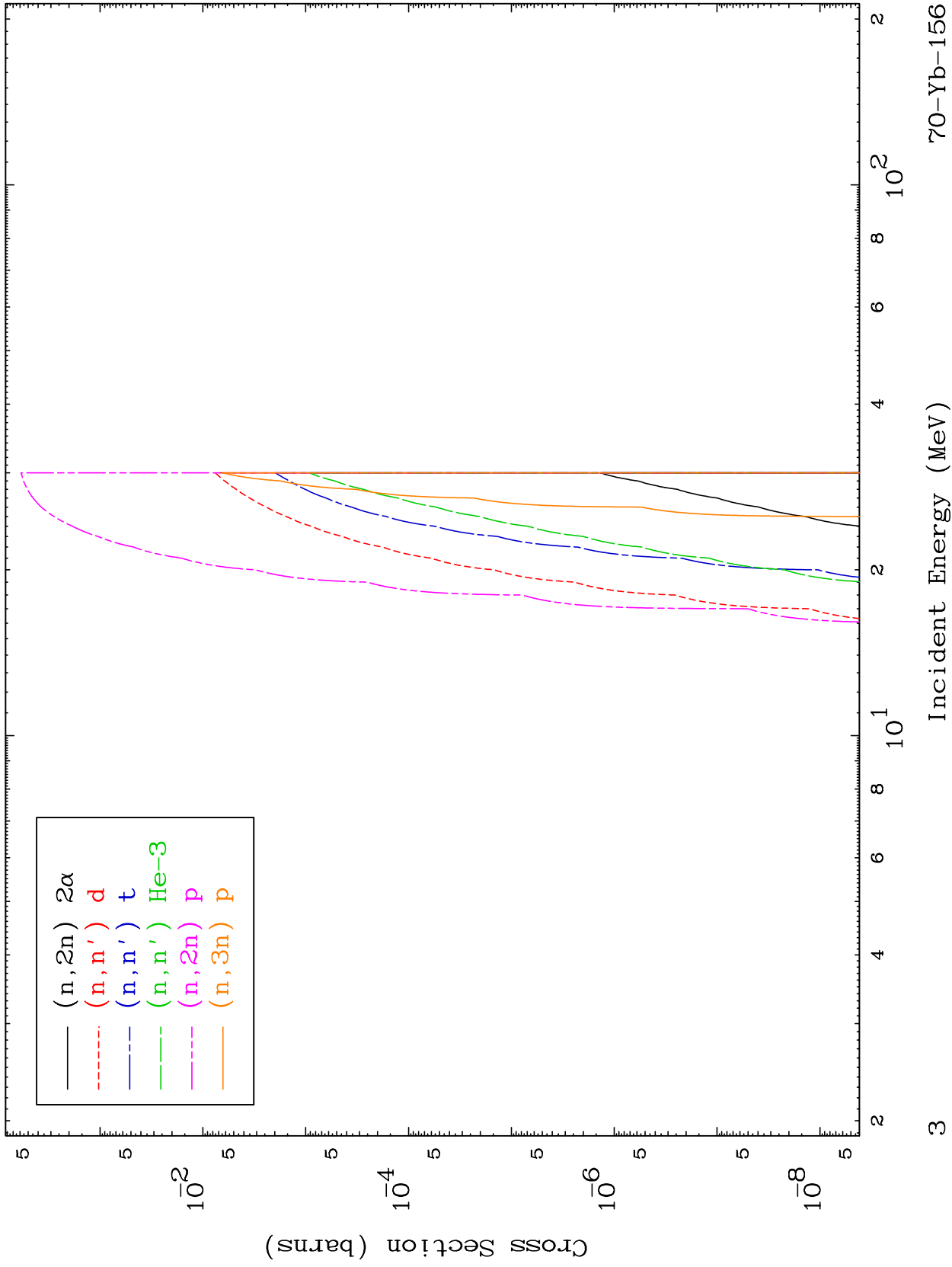


MAT 6989

Neutron Production
293 Kelvin Cross Sections

70-Yb-156

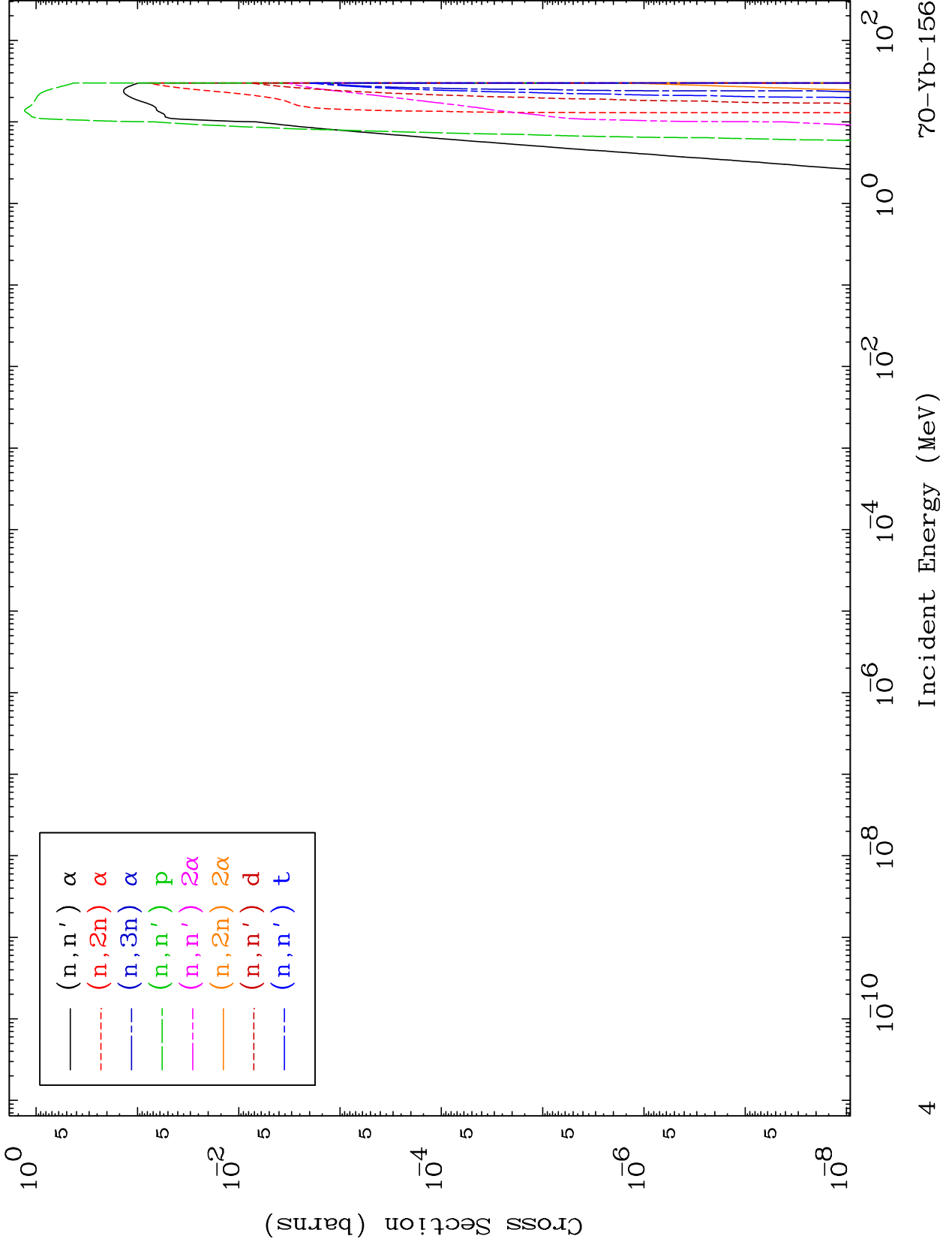




MAT 6989

Charged Particle
293 Kelvin Cross Sections

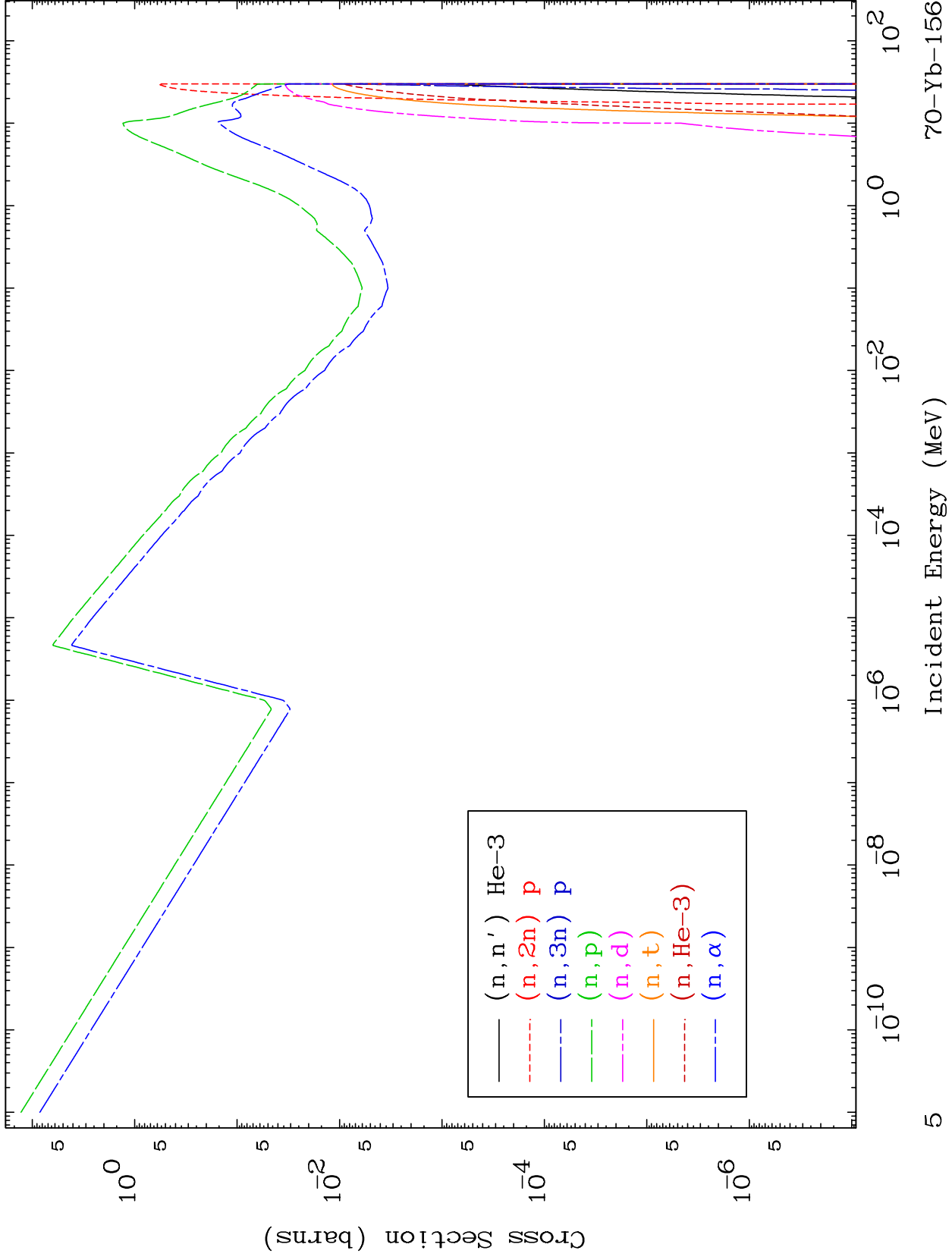
70-Yb-156



MAT 6989

Charged Particle
293 Kelvin Cross Sections

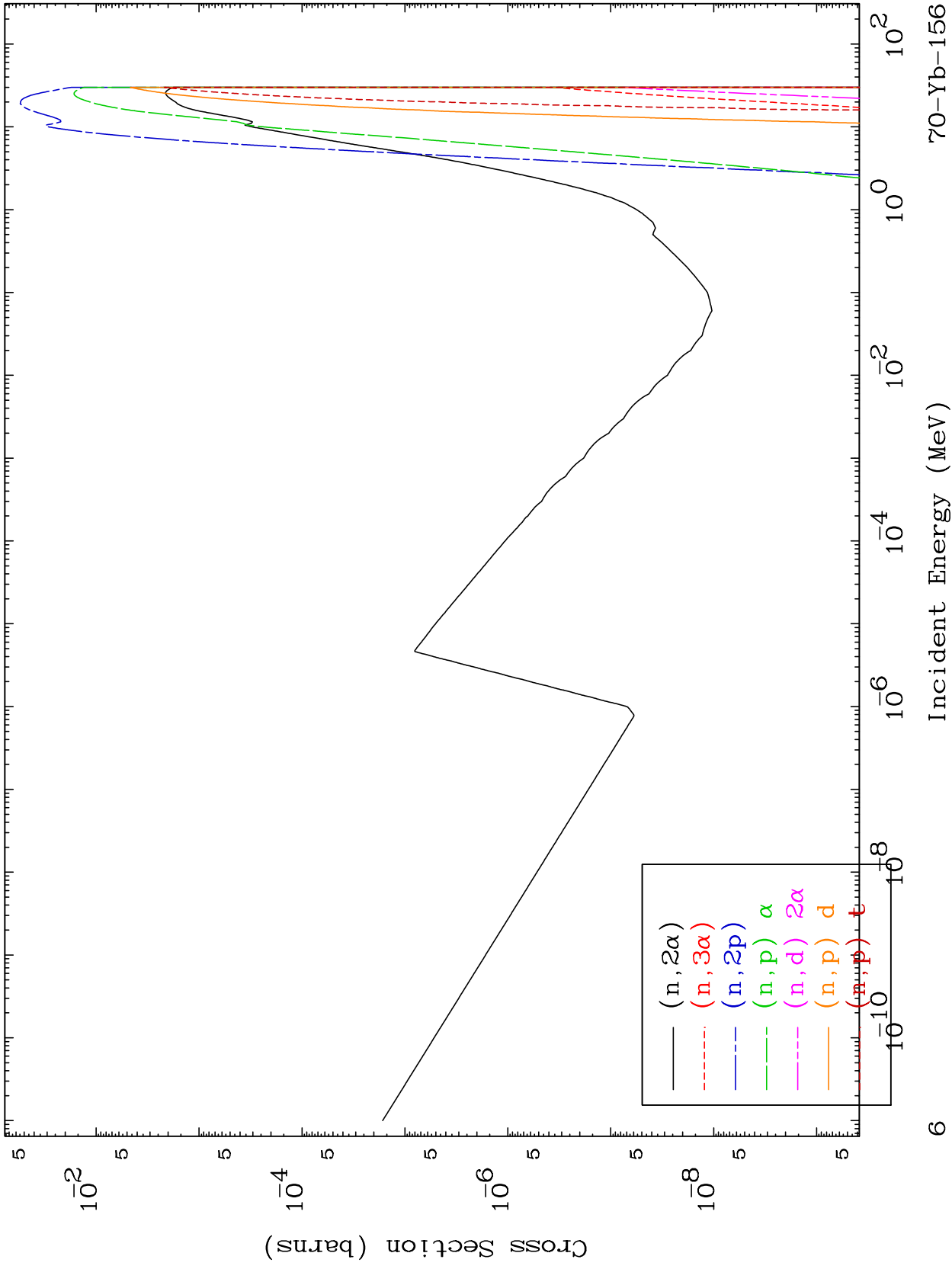
70-Yb-156



MAT 6989

Charged Particle
293 Kelvin Cross Sections

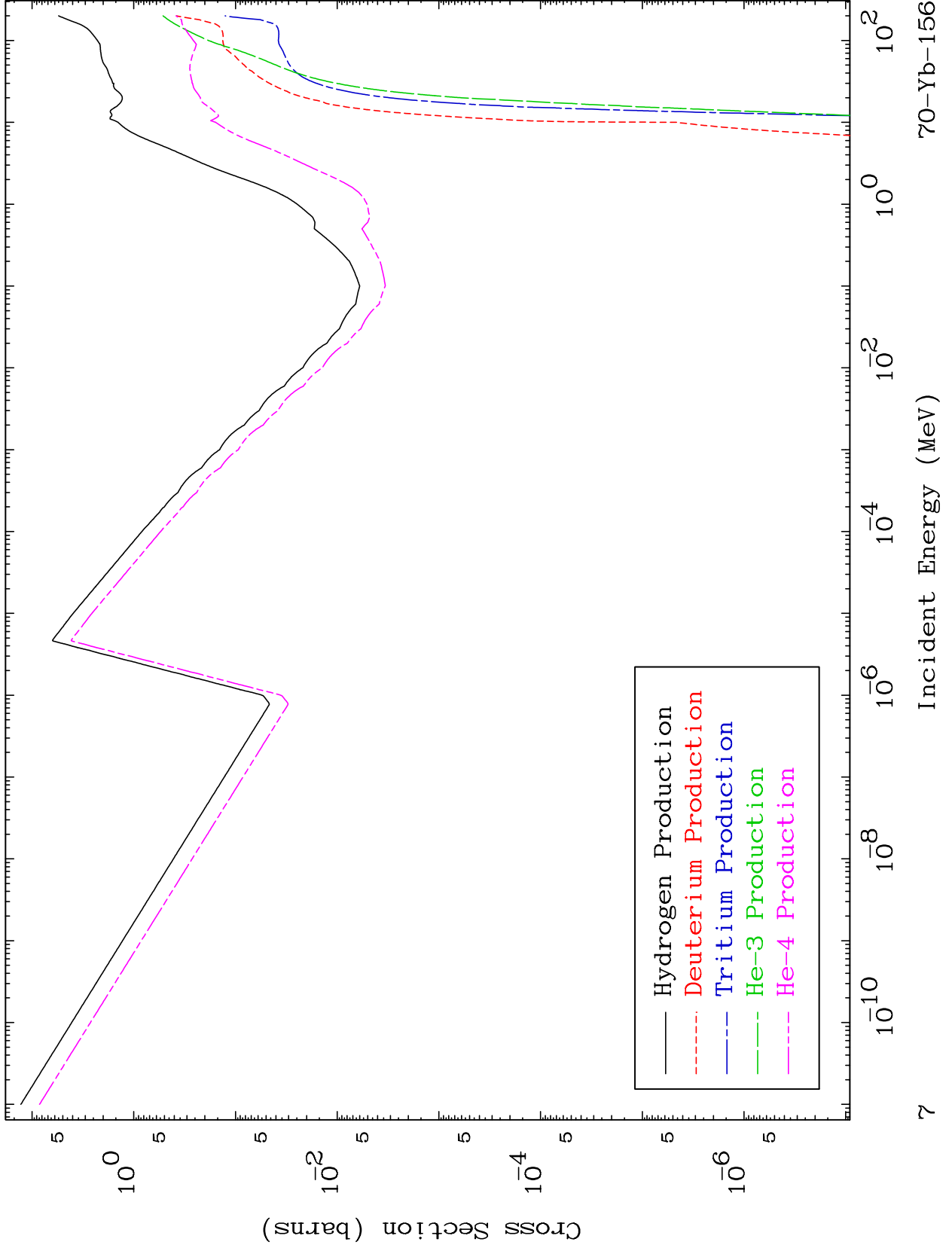
70-Yb-156



MAT 6989

Particle Production
293 Kelvin Cross Sections

70-Yb-156

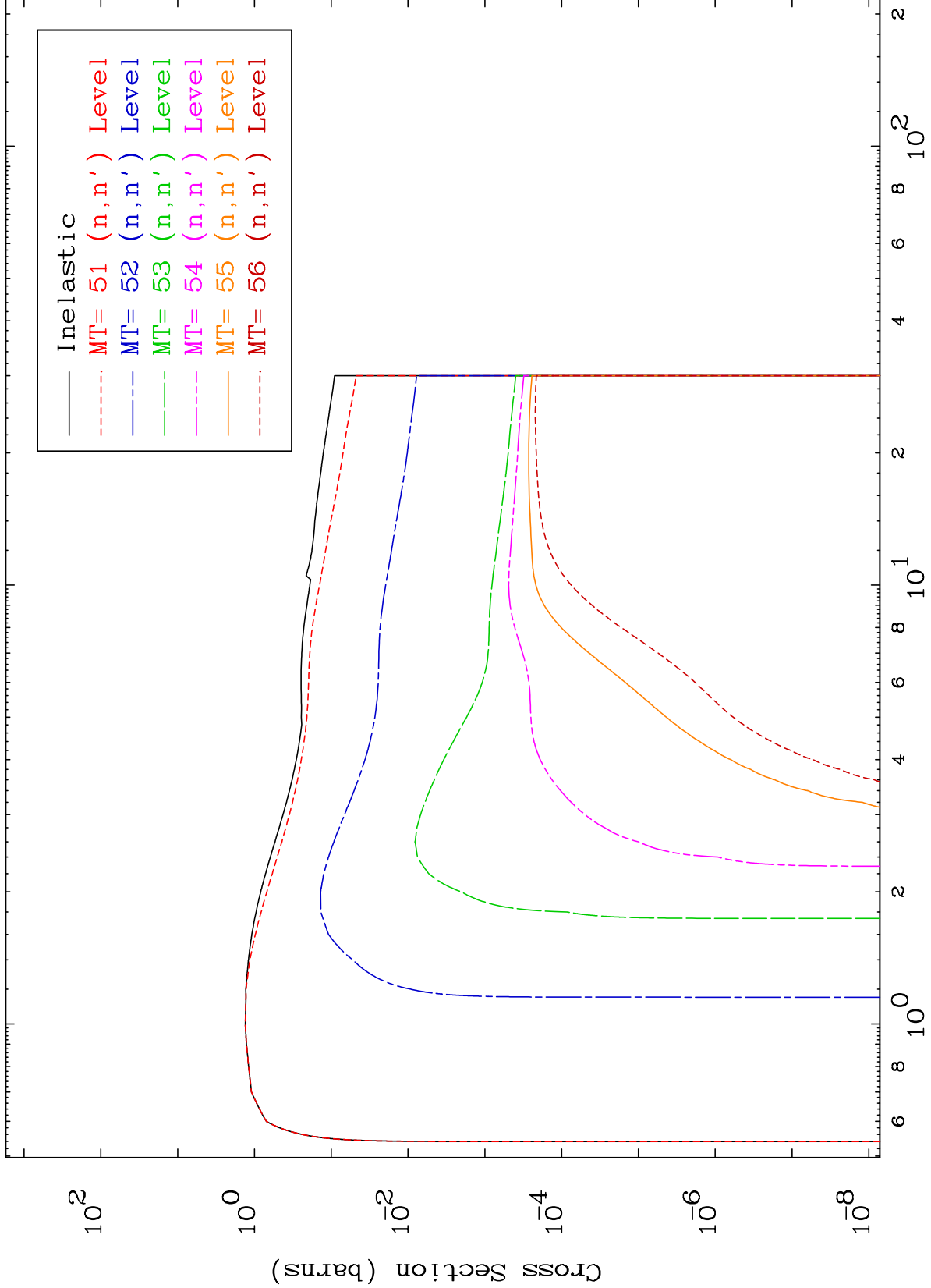


MAT 6989

(n,n') Level

70-Yb-156

293 Kelvin Cross Sections



8

Incident Energy (MeV)

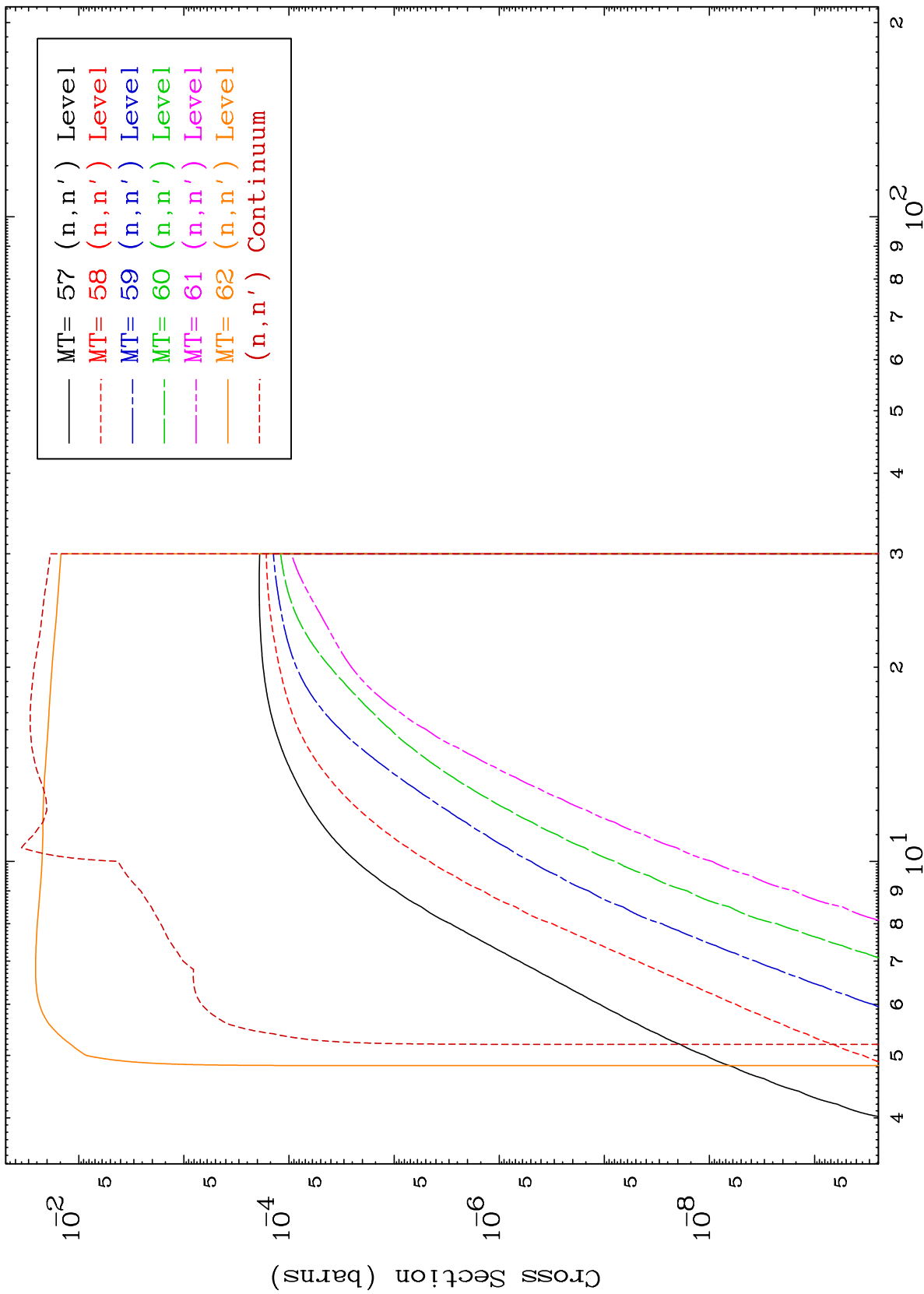
70-Yb-156

MAT 6989

(n,n') Level

70-Yb-156

293 Kelvin Cross Sections



9

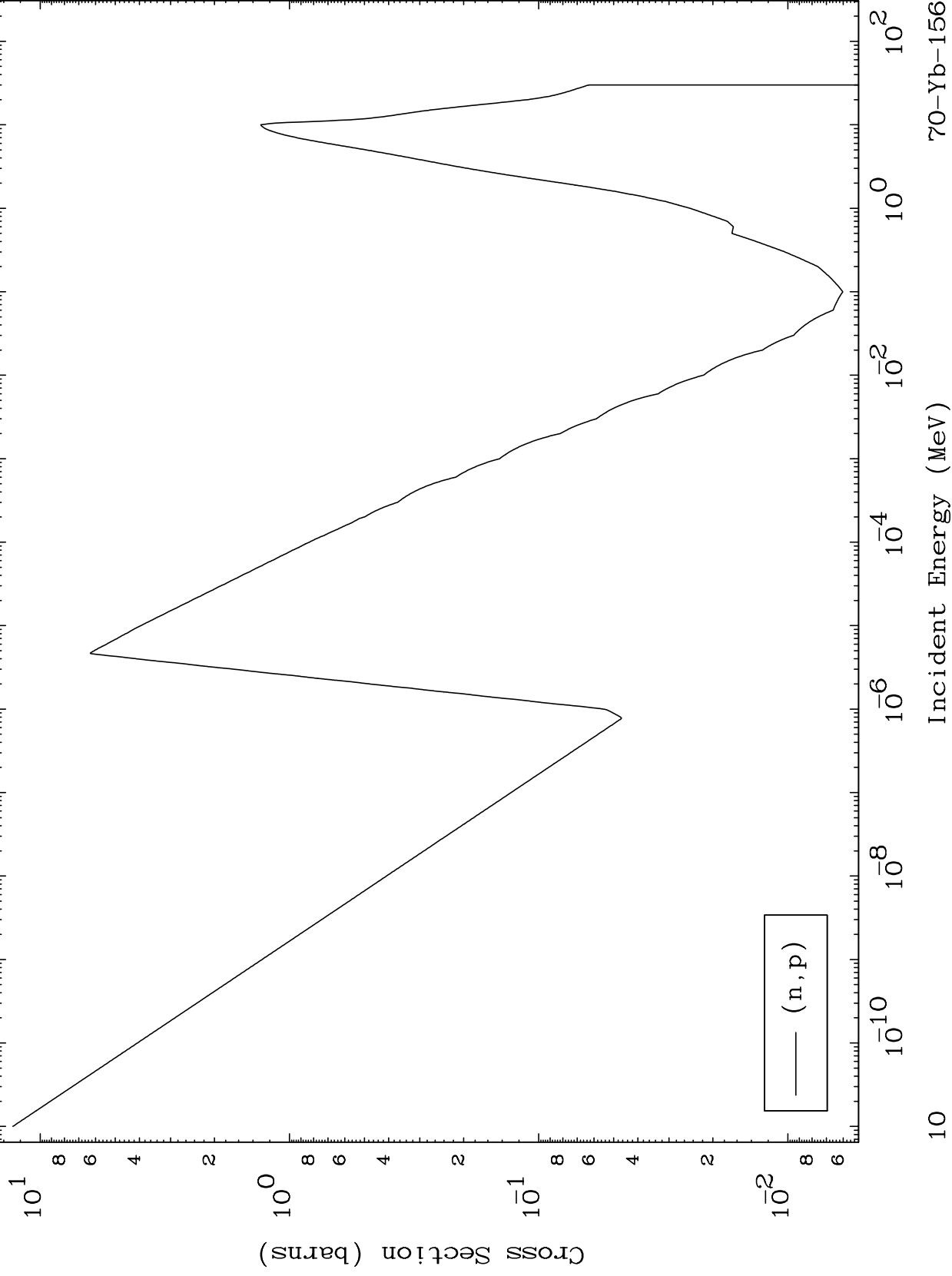
Incident Energy (MeV)

70-Yb-156

MAT 6989

(n,p) Levels
293 Kelvin Cross Sections

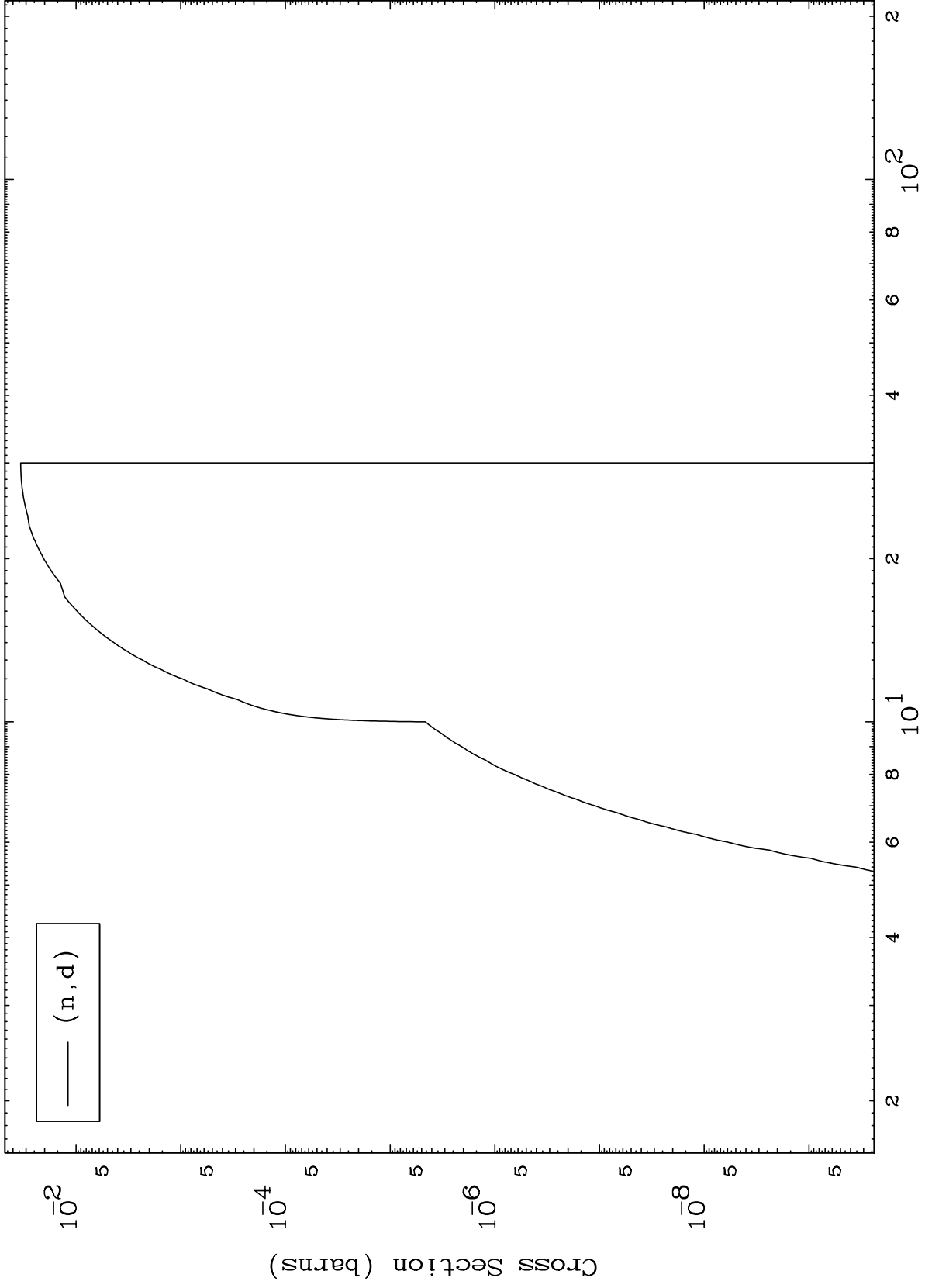
70-Yb-156



MAT 6989

(n,d) Levels
293 Kelvin Cross Sections

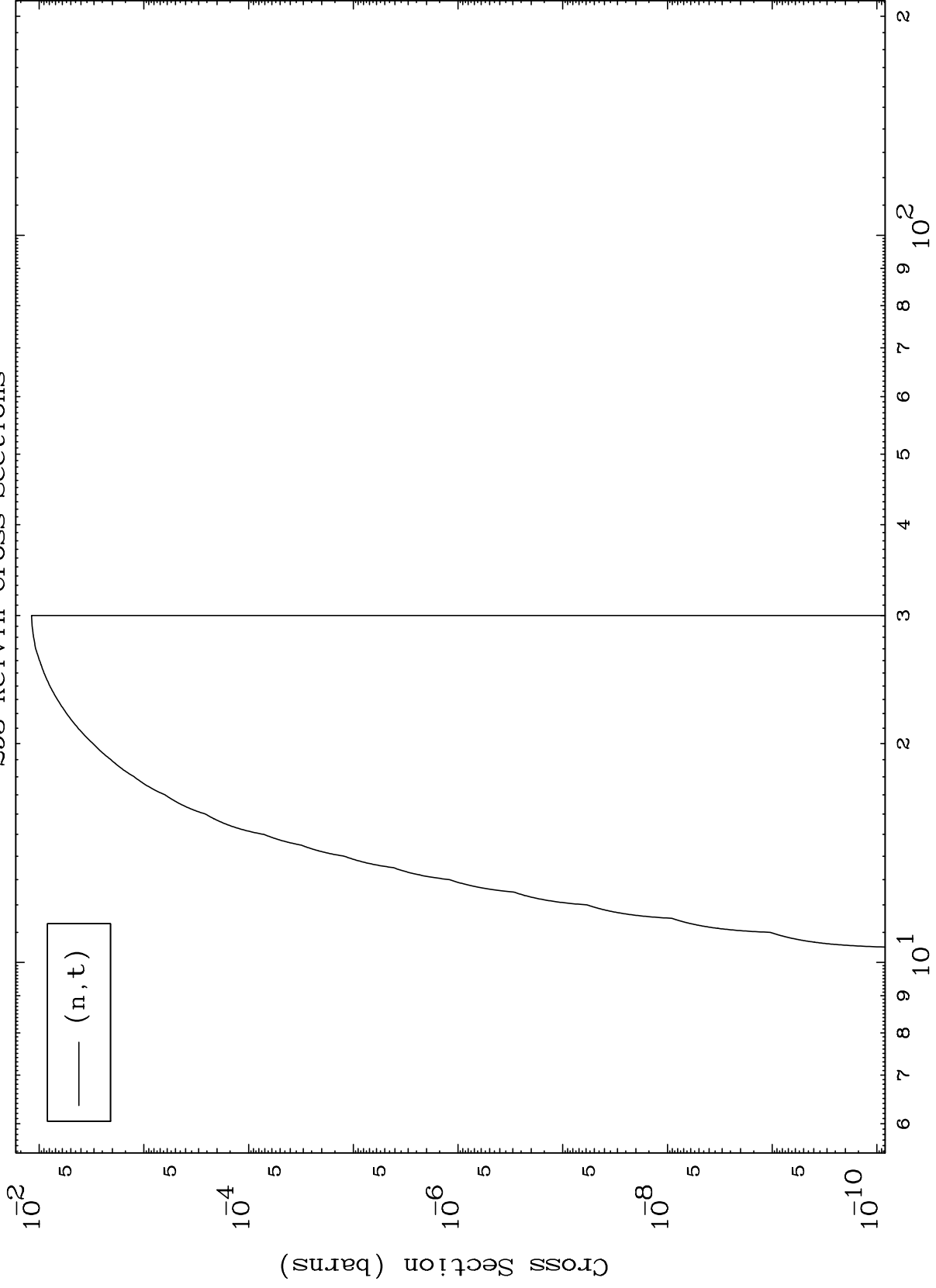
70-Yb-156



MAT 6989

(n, t) Levels
293 Kelvin Cross Sections

70-Yb-156



12

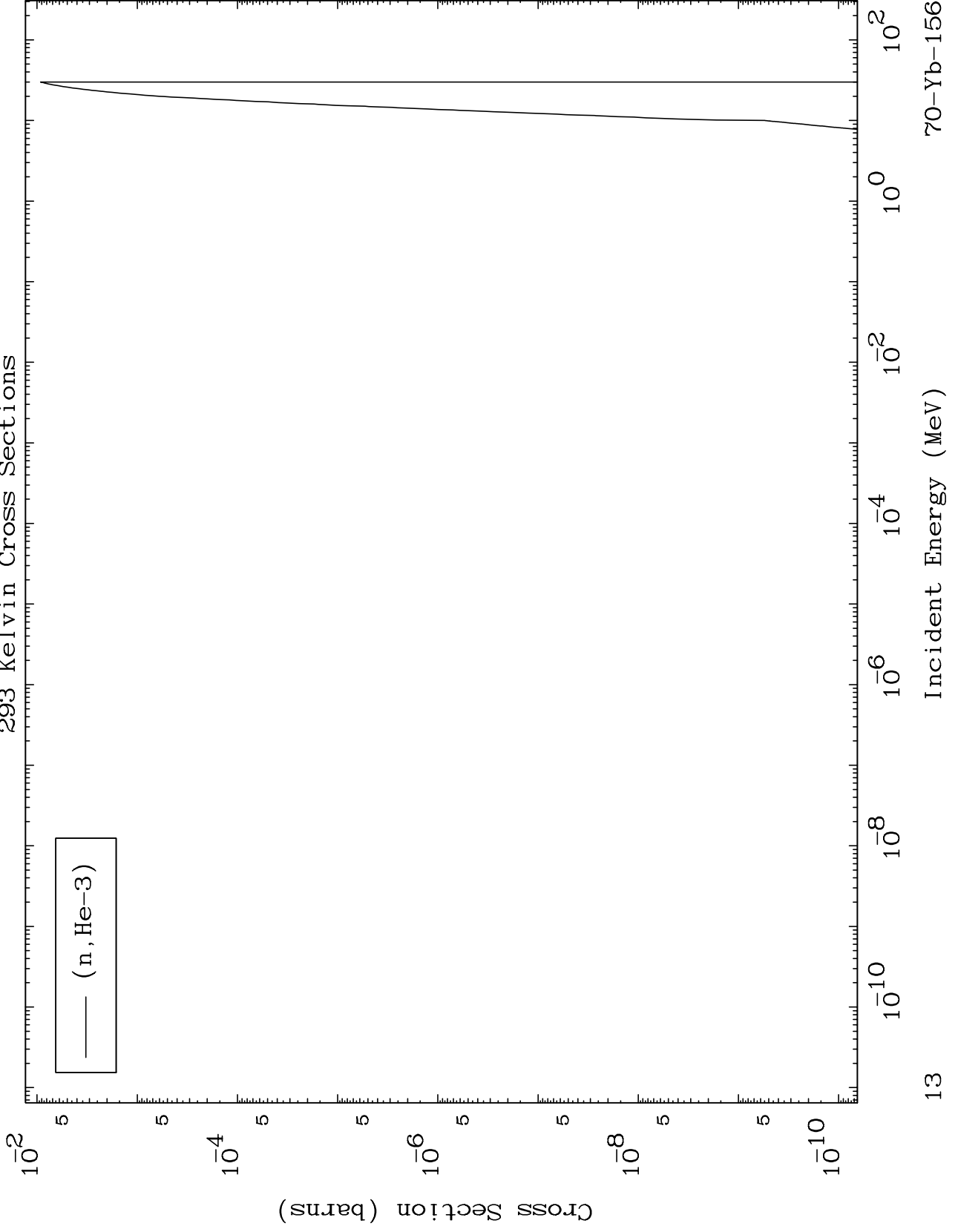
Incident Energy (MeV)

70-Yb-156

MAT 6989

(n,He3) Levels
293 Kelvin Cross Sections

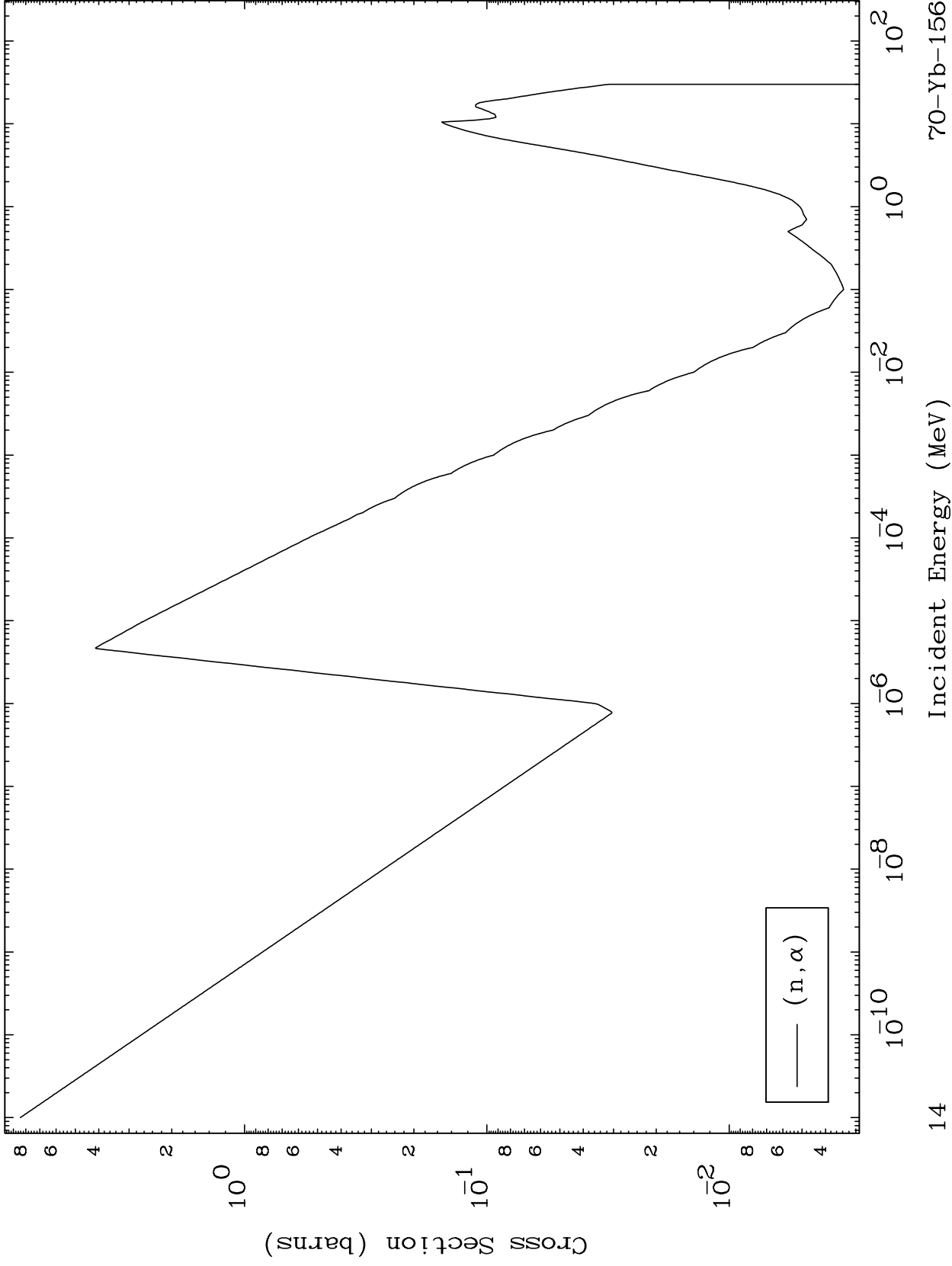
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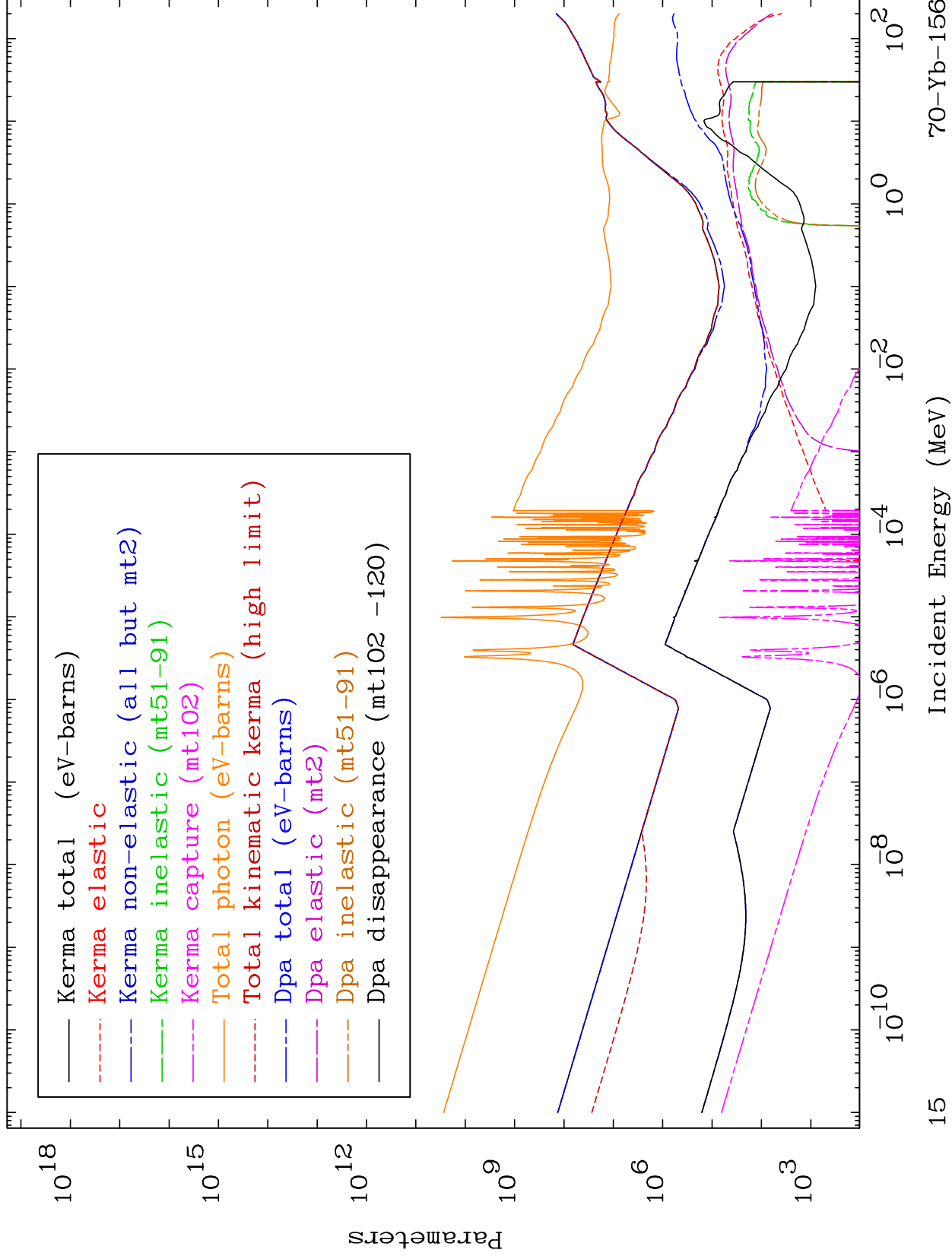


MAT 6989

(n, α) Levels
293 Kelvin Cross Sections

70-Yb-156

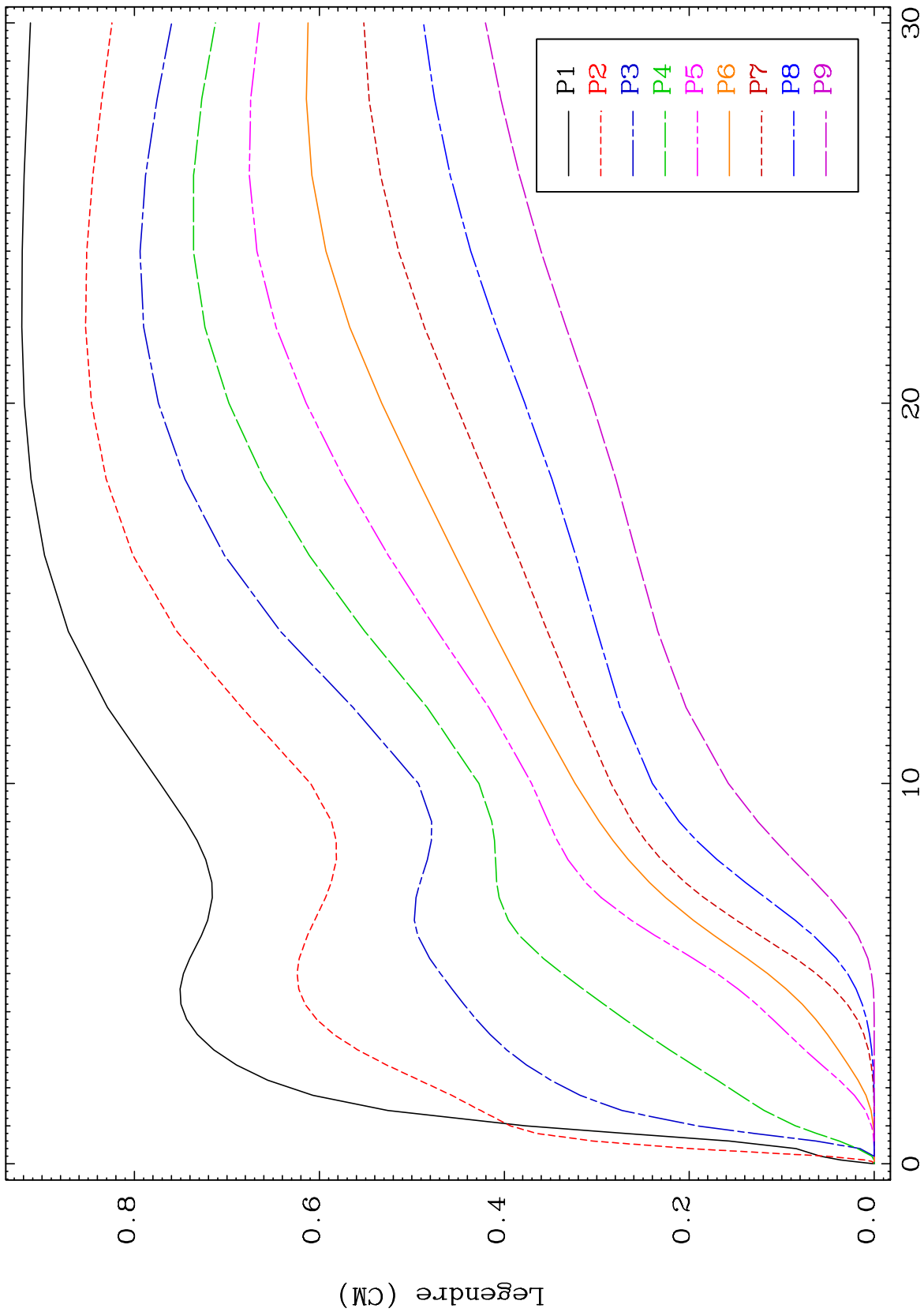




MAT 6989

70-Yb-156

Elastic Legendre Coefficients



16

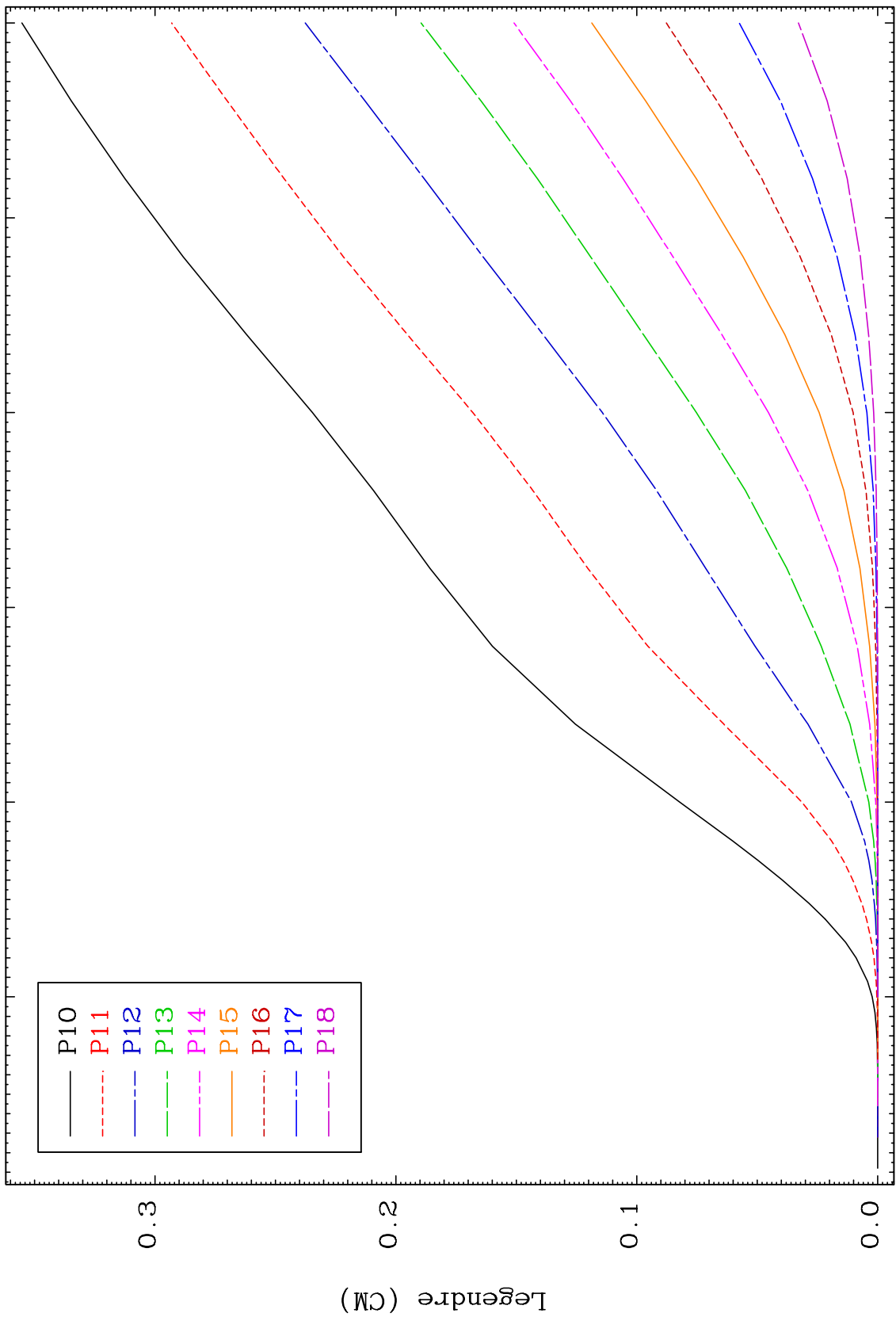
Incident Energy (MeV)

70-Yb-156

MAT 6989

Elastic Legendre Coefficients

70-Yb-156



17

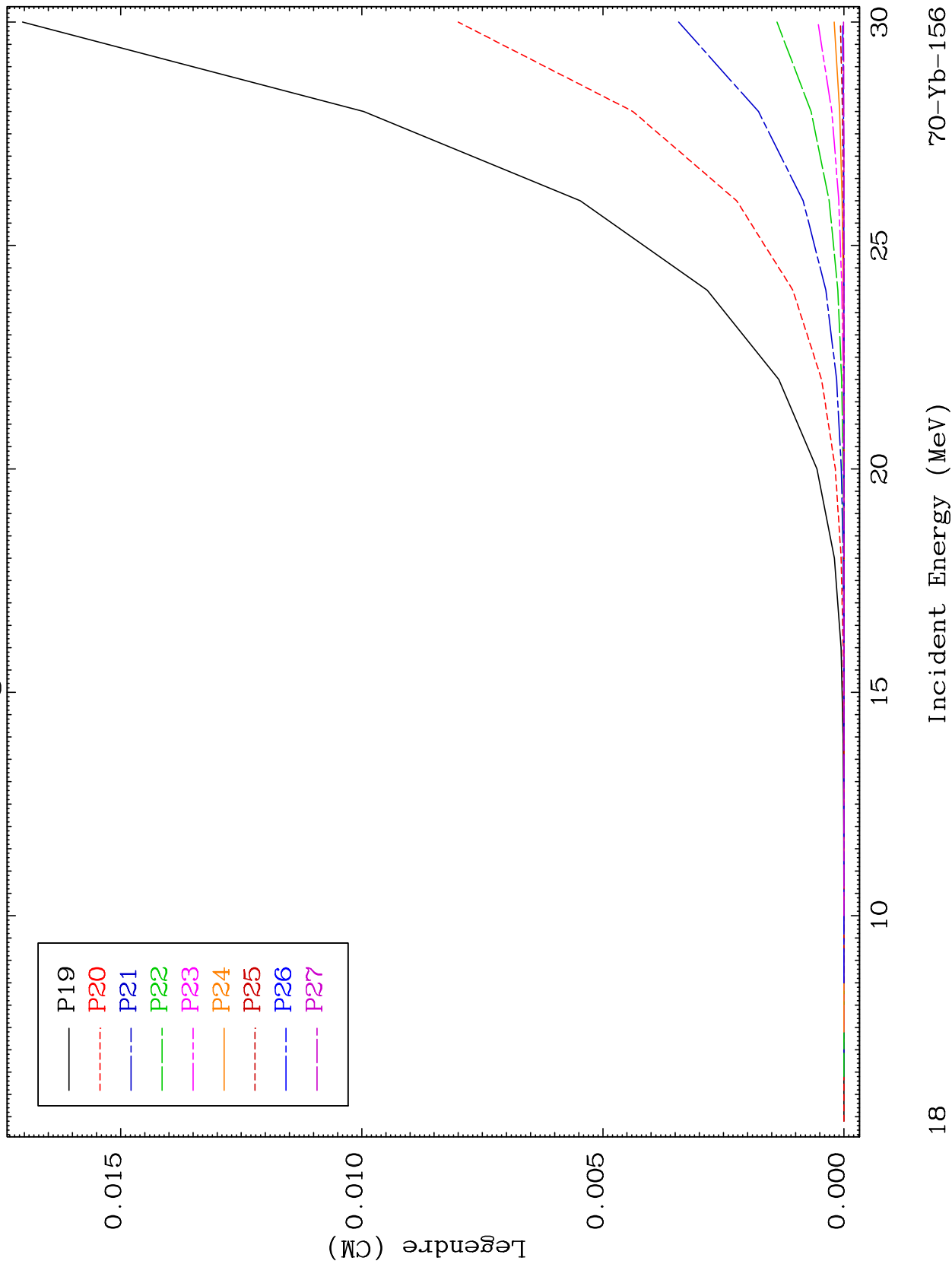
70-Yb-156

Incident Energy (MeV)

MAT 6989

Elastic Legendre Coefficients

70-Yb-156



18

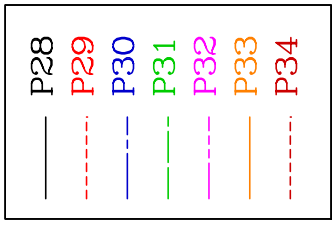
Incident Energy (MeV)

70-Yb-156

MAT 6989

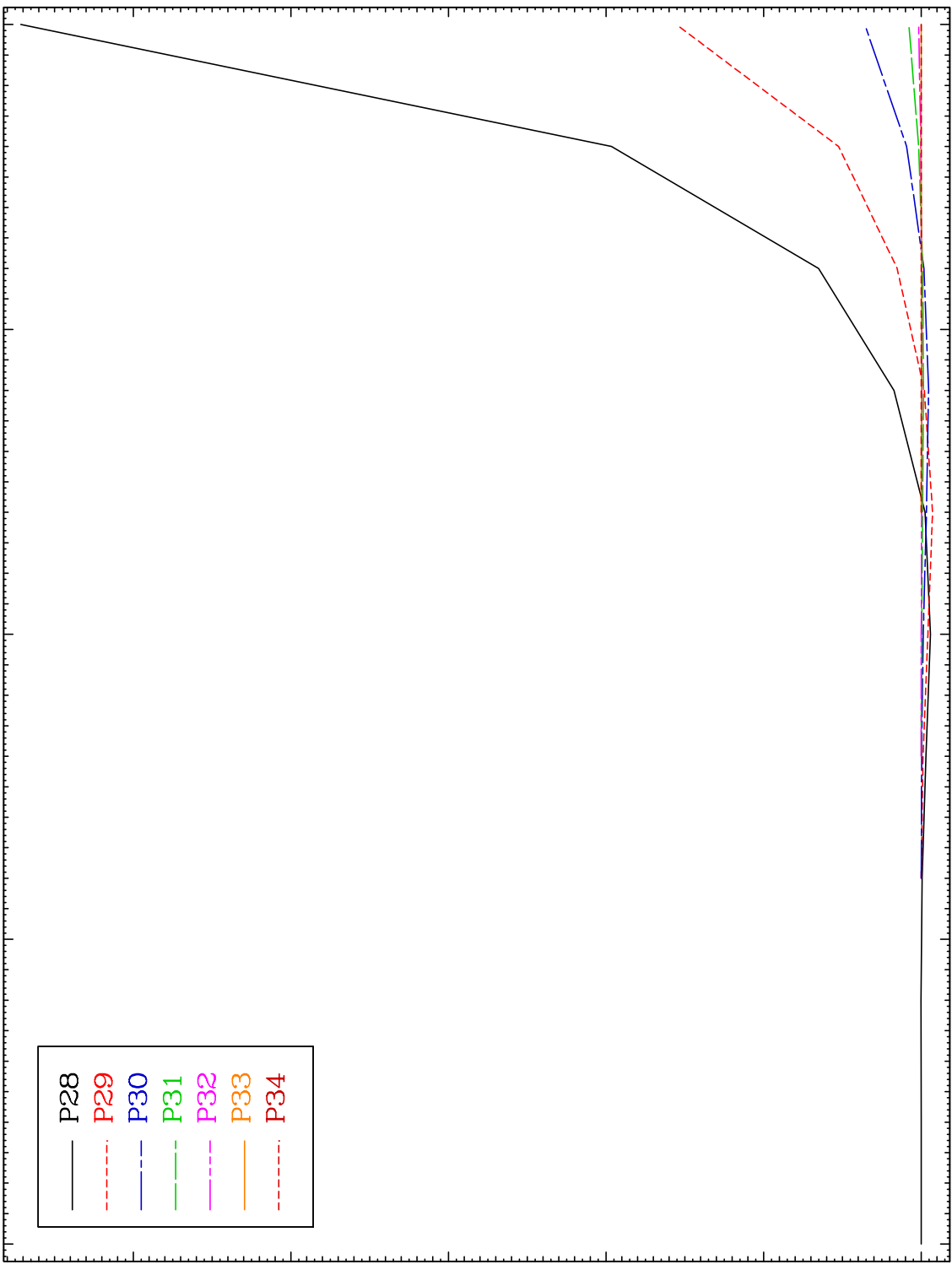
Elastic Legendre Coefficients

70-Yb-156



$\times 10^{-6}$

Legendre (CM)



30

25

20

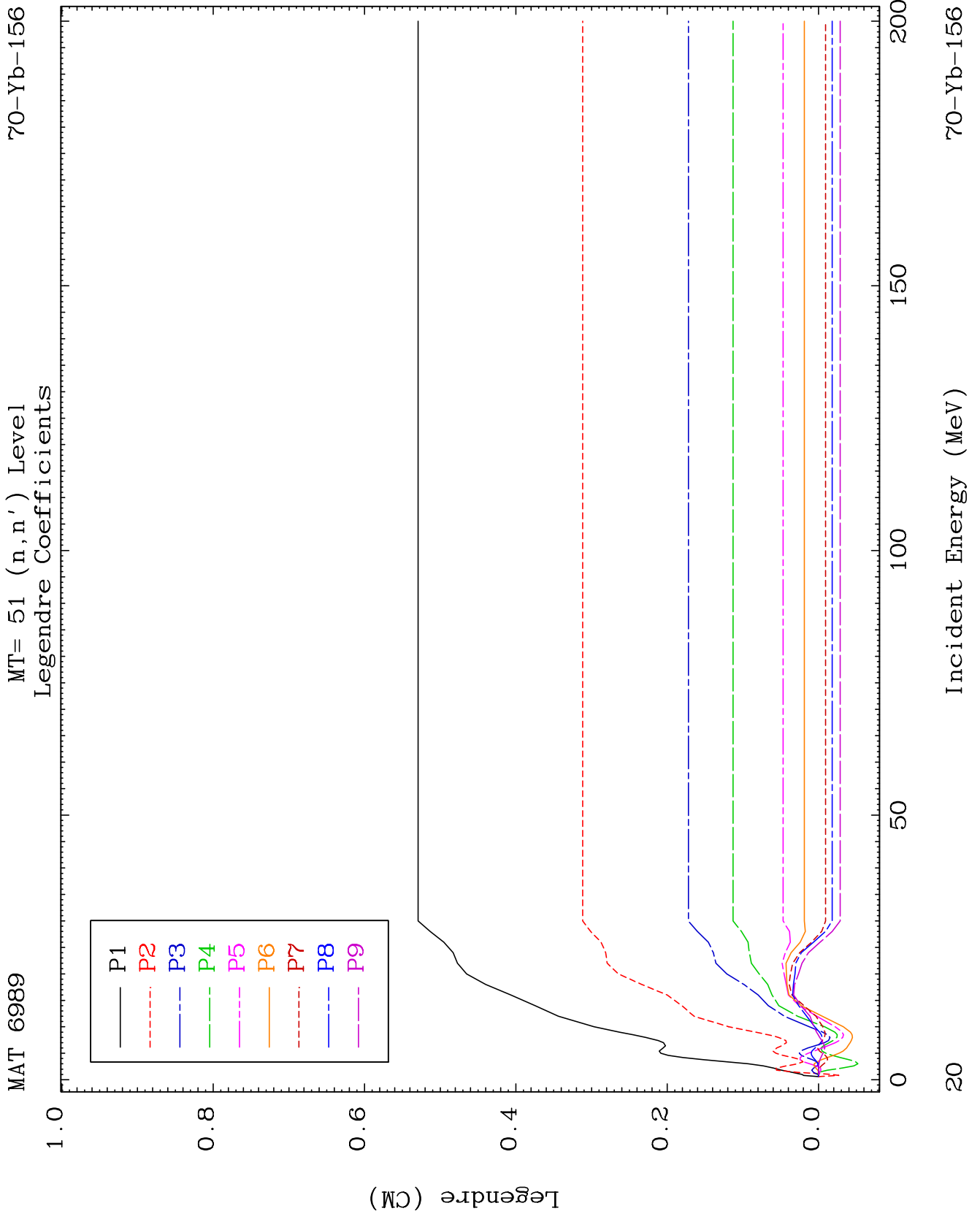
15

10

Incident Energy (MeV)

70-Yb-156

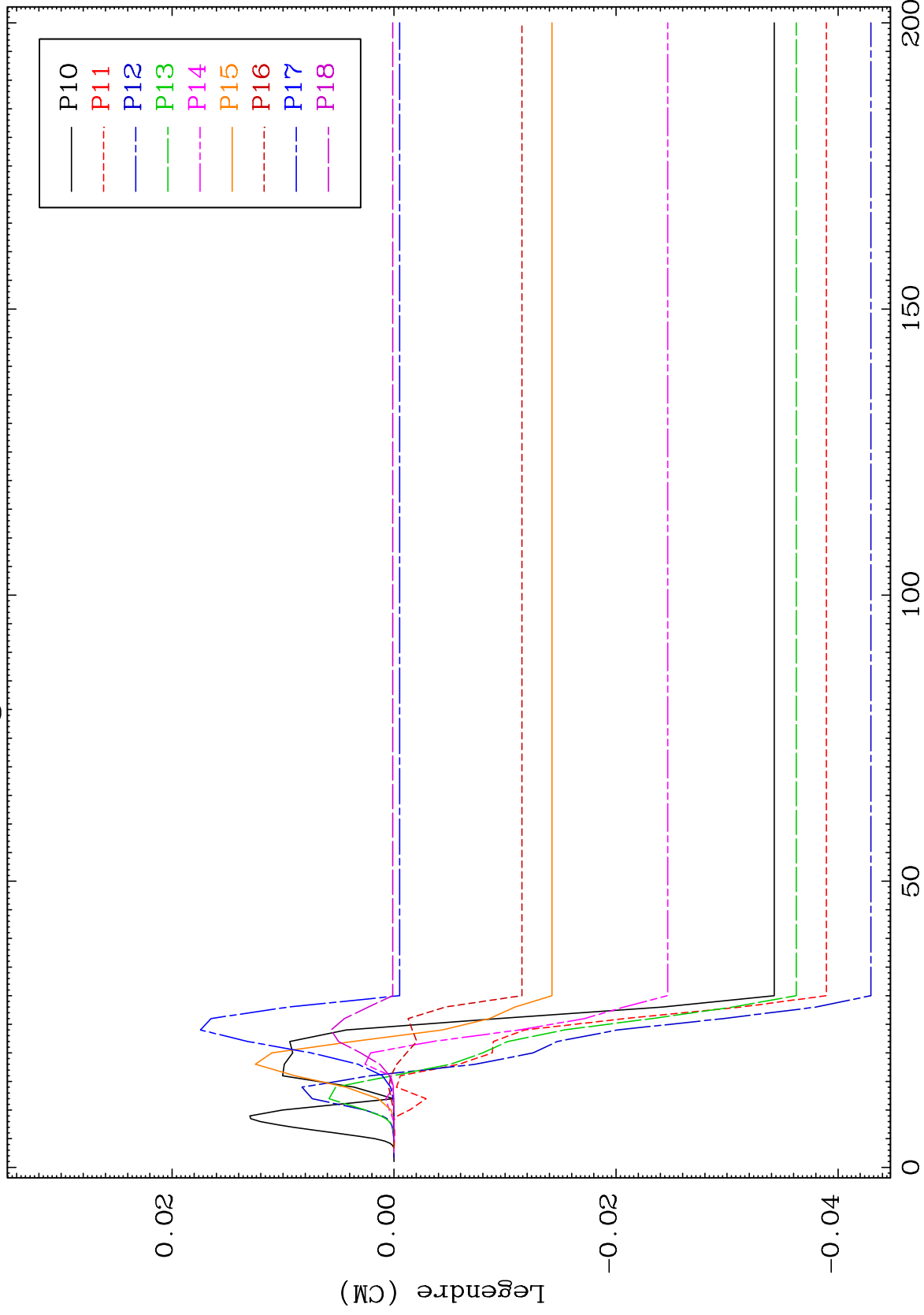
19



MAT 6989

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

70-Yb-156



21

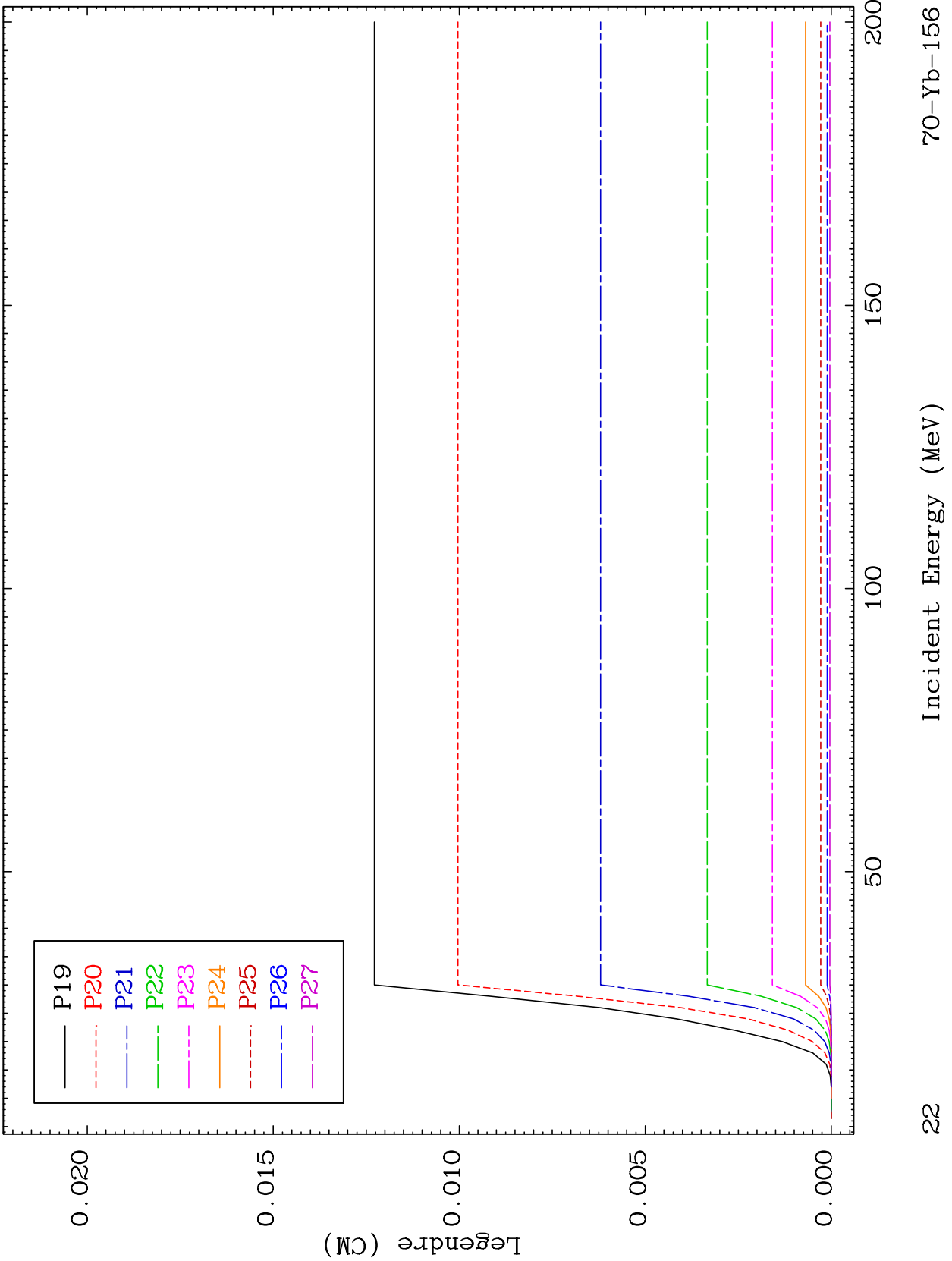
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

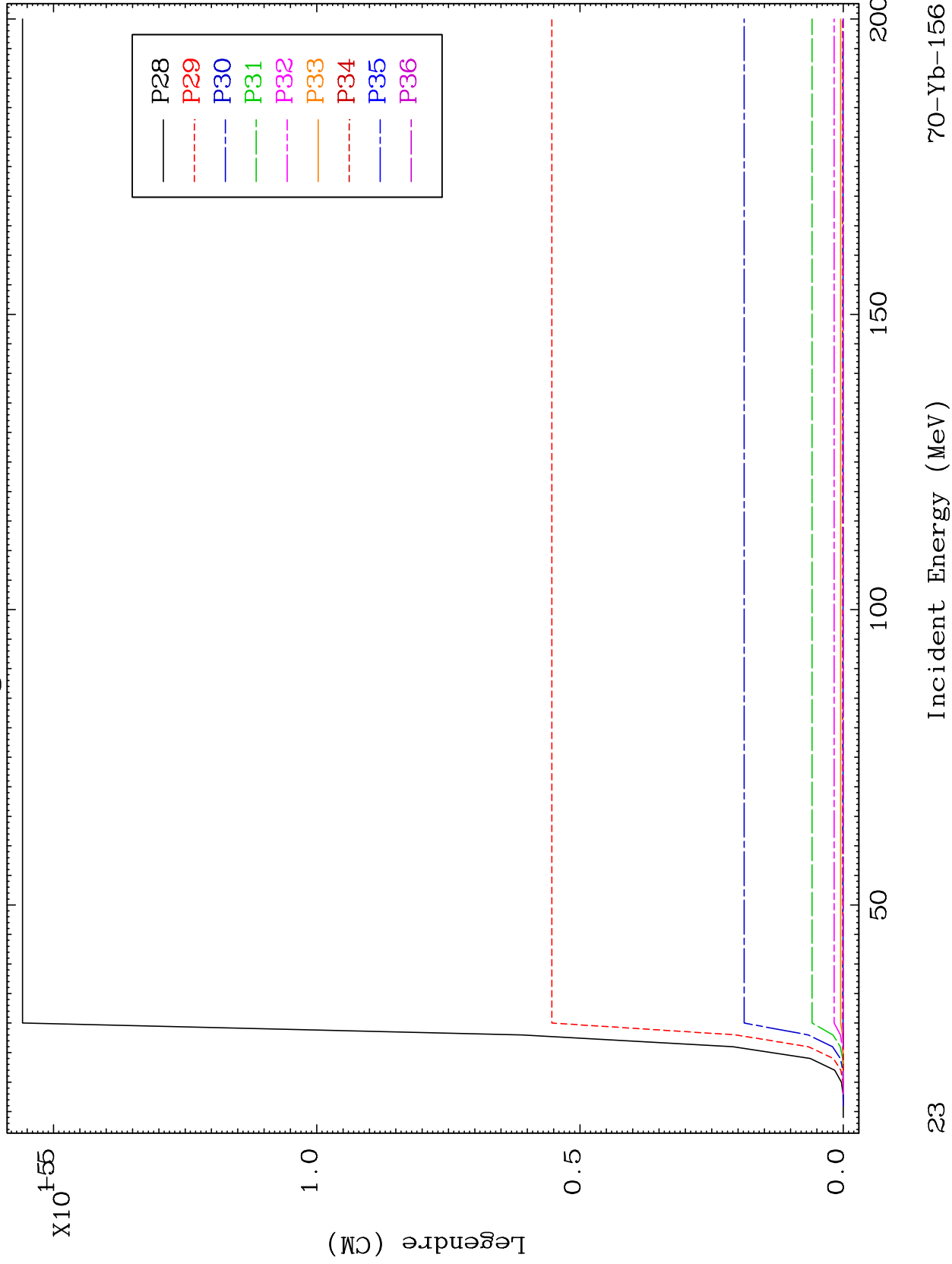
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MAT 6989

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

70-Yb-156



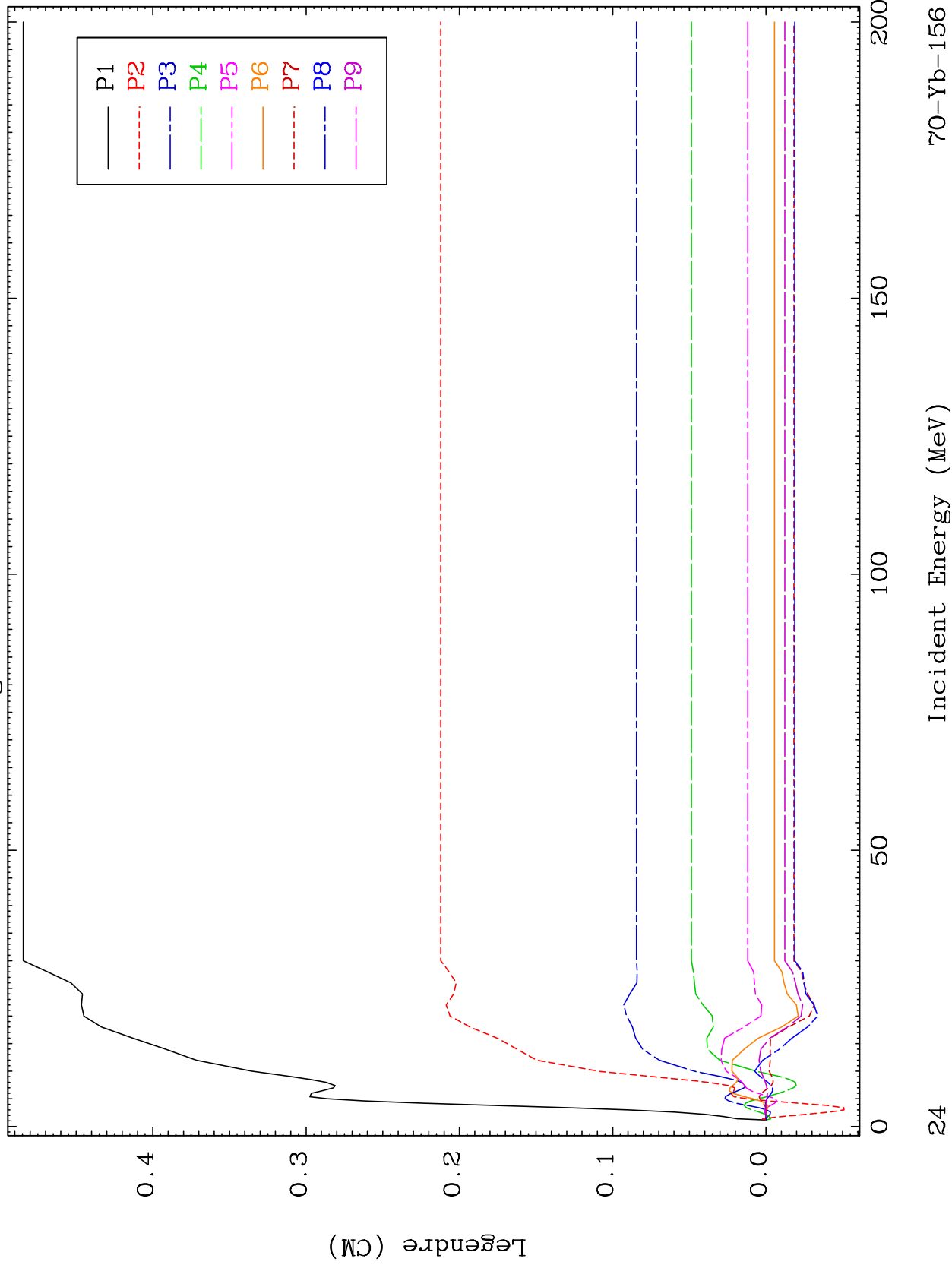
23

70-Yb-156

MAT 6989

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

70-Yb-156



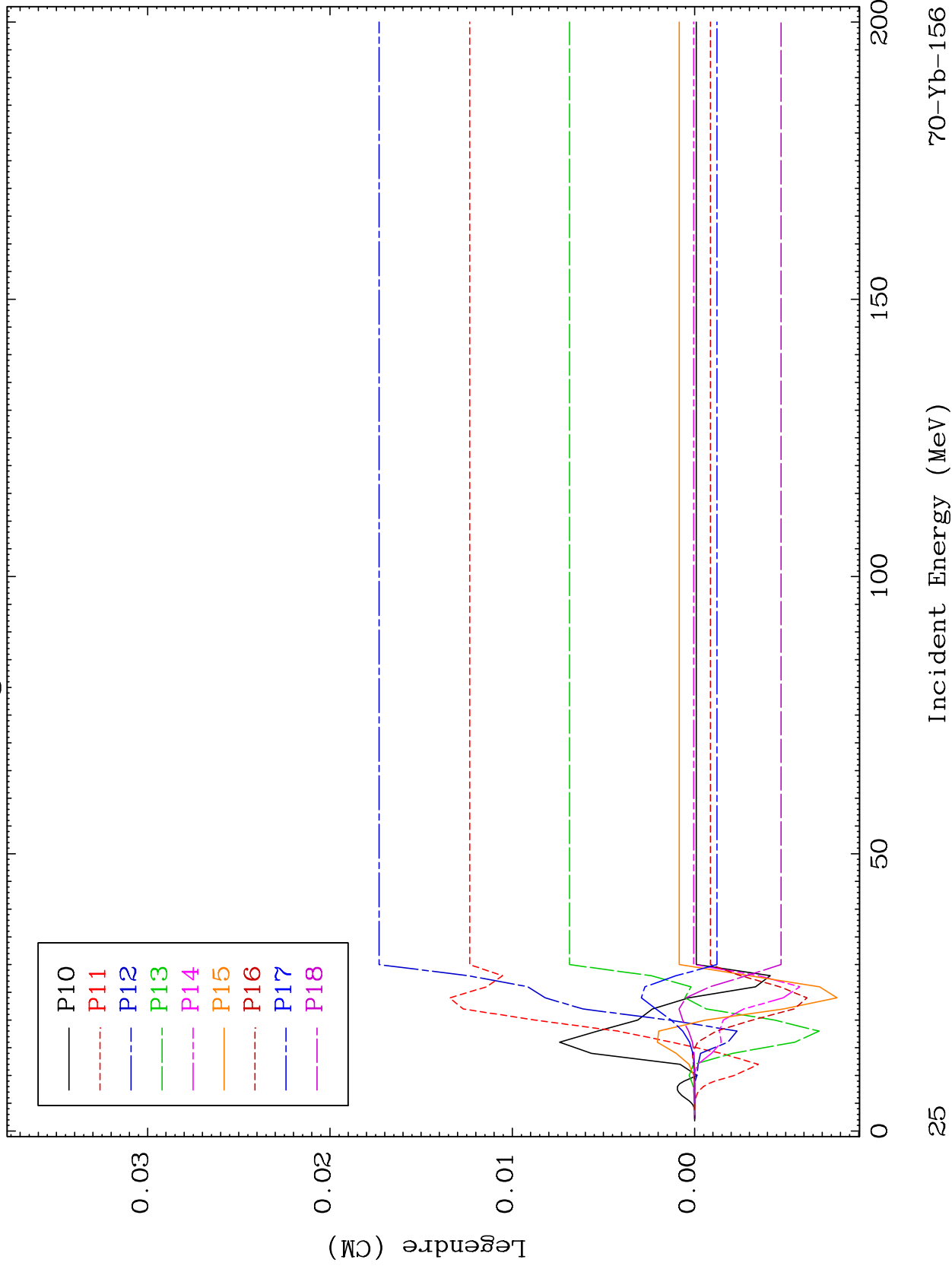
24

70-Yb-156

MAT 6989

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

70-Yb-156



70-Yb-156

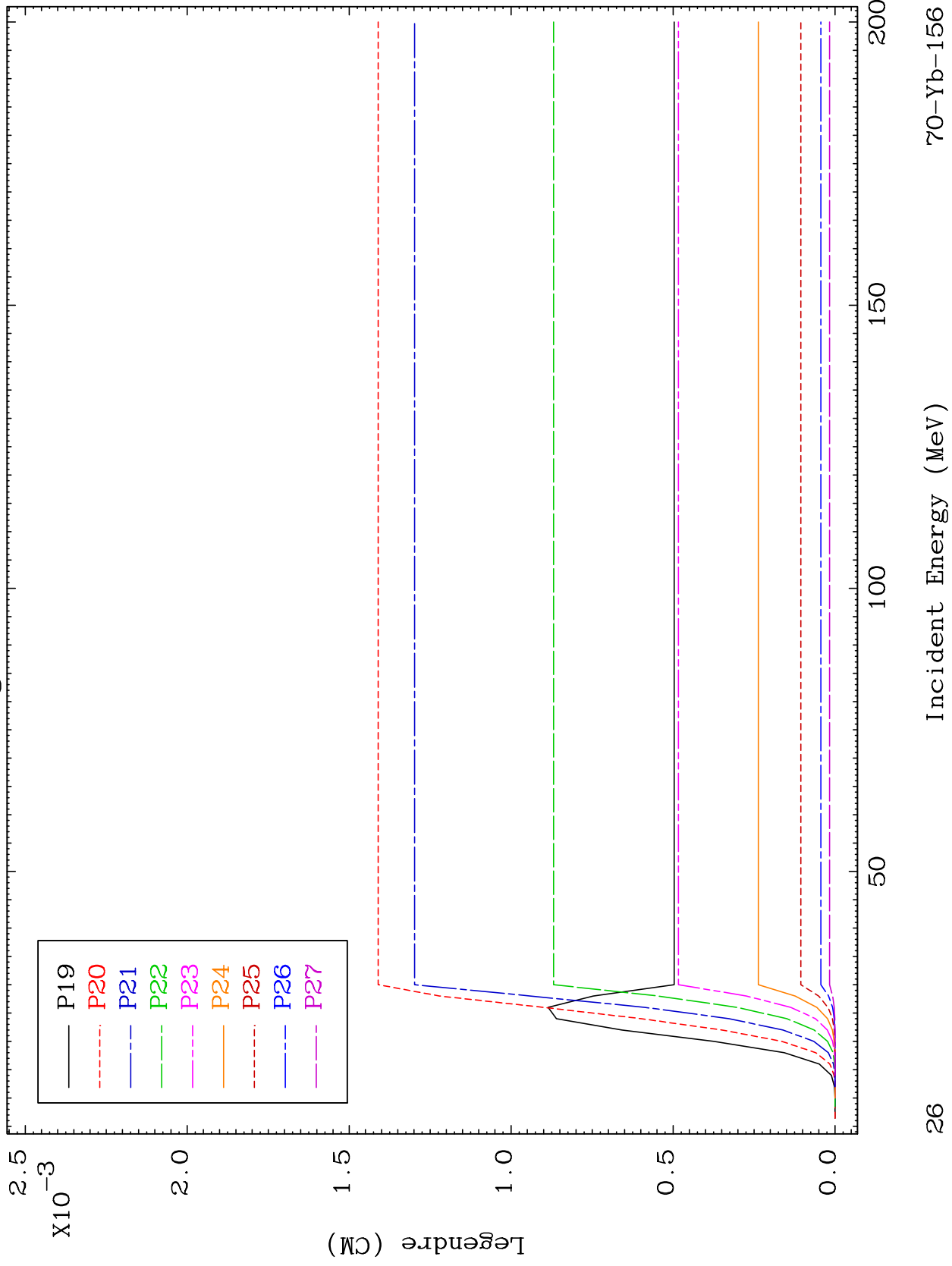
Incident Energy (MeV)

25

MAT 6989

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

70-Yb-156

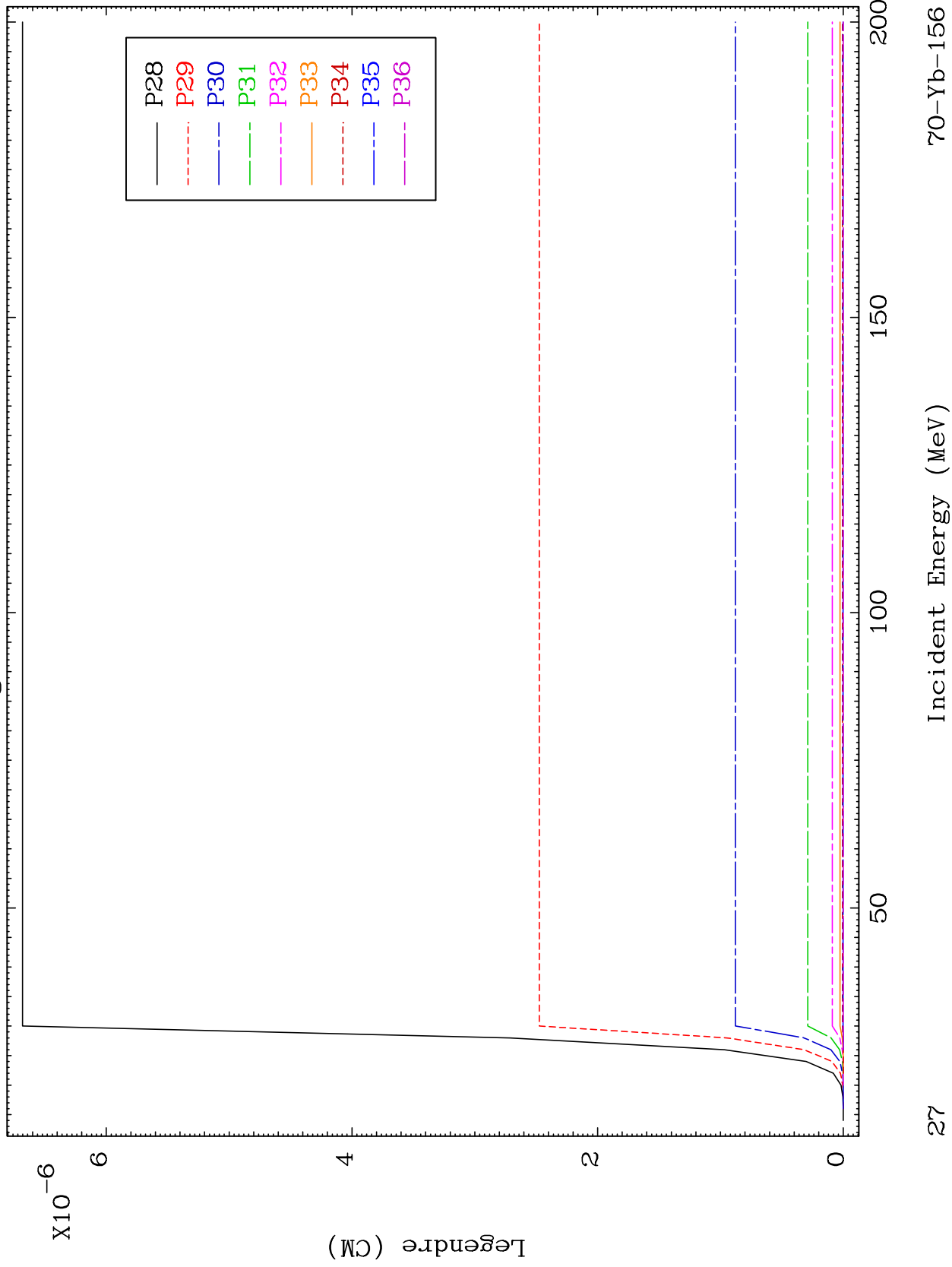


26

MAT 6989

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

70-Yb-156



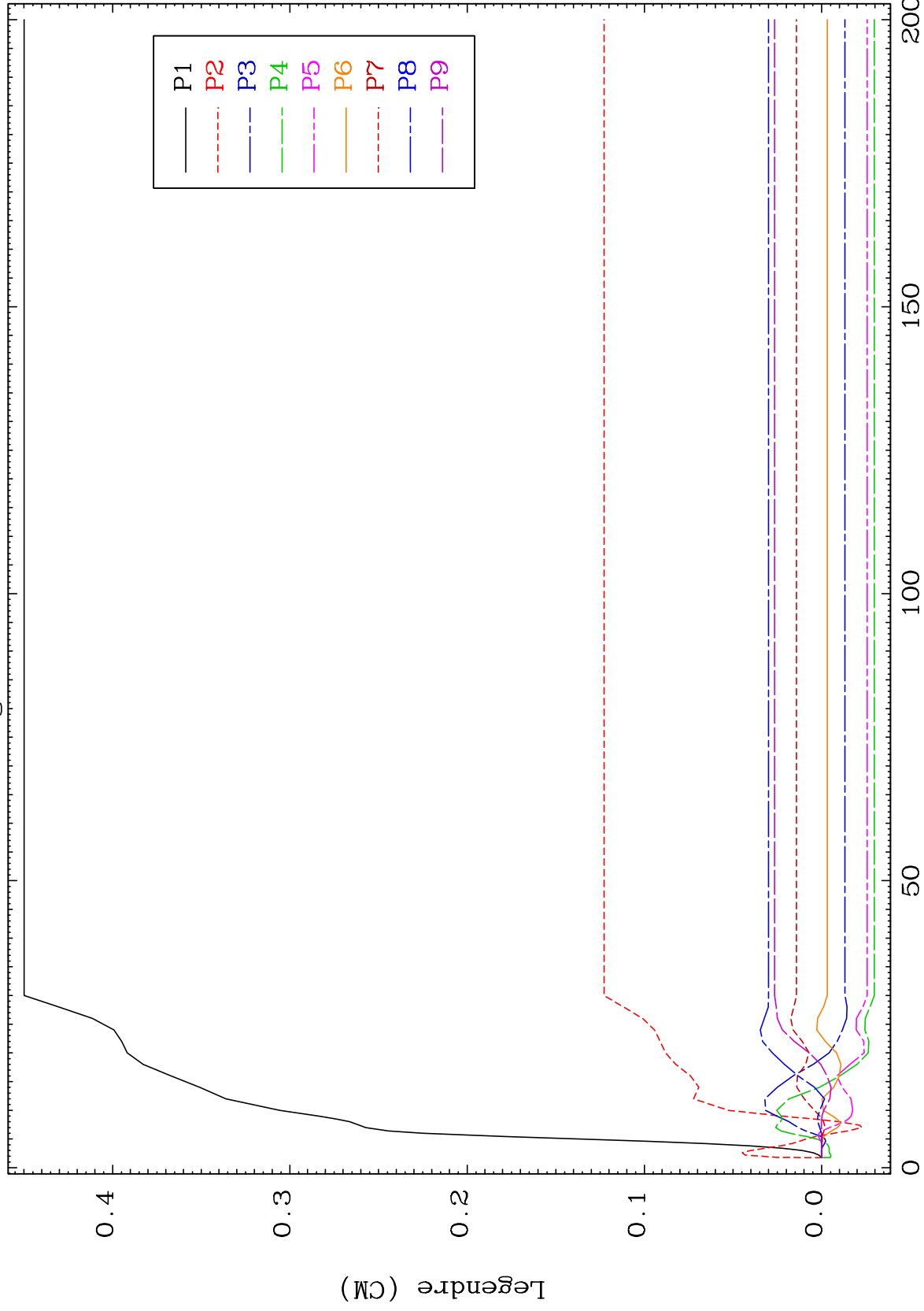
27

70-Yb-156

MAT 6989

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

70-Yb-156



28

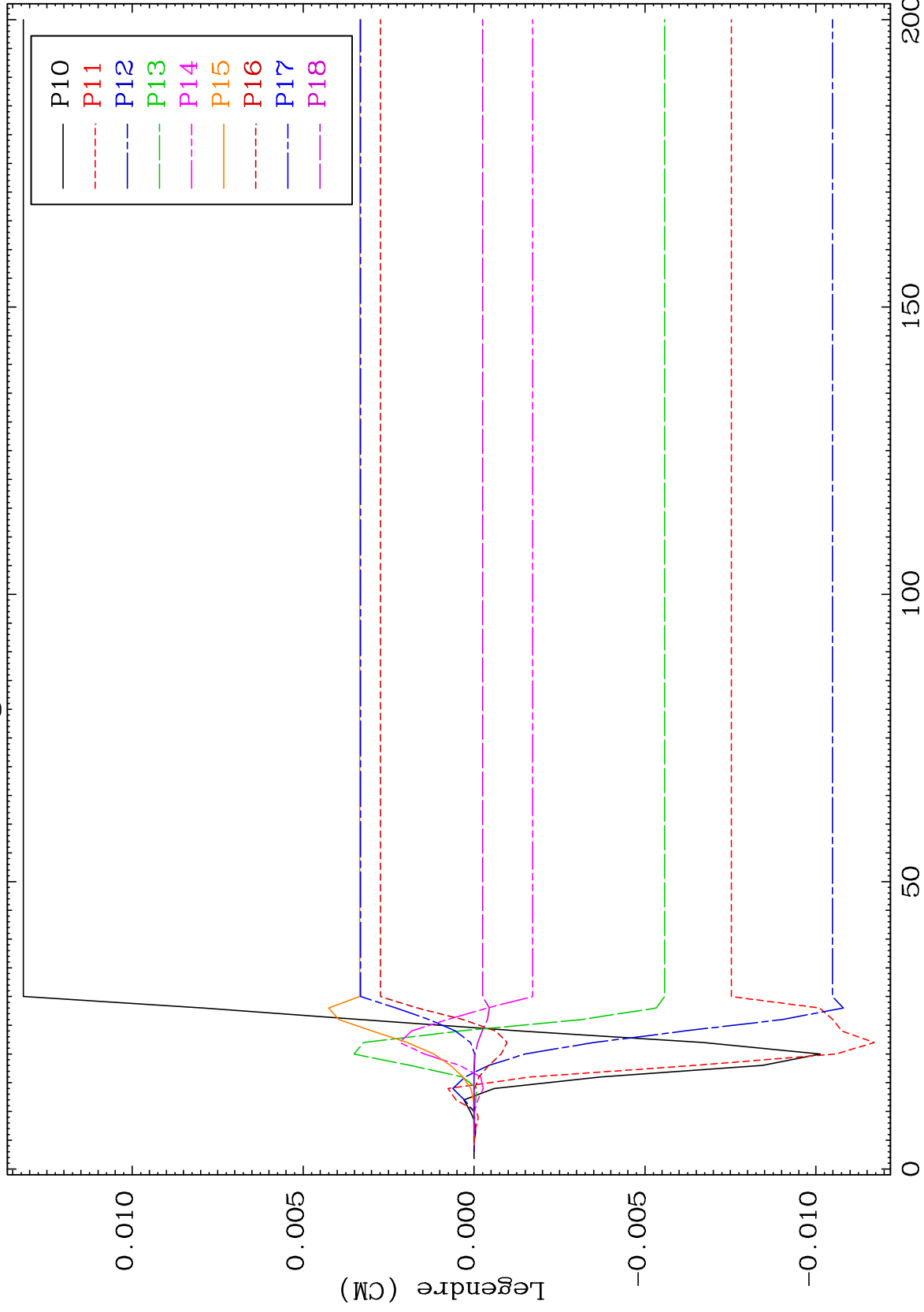
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

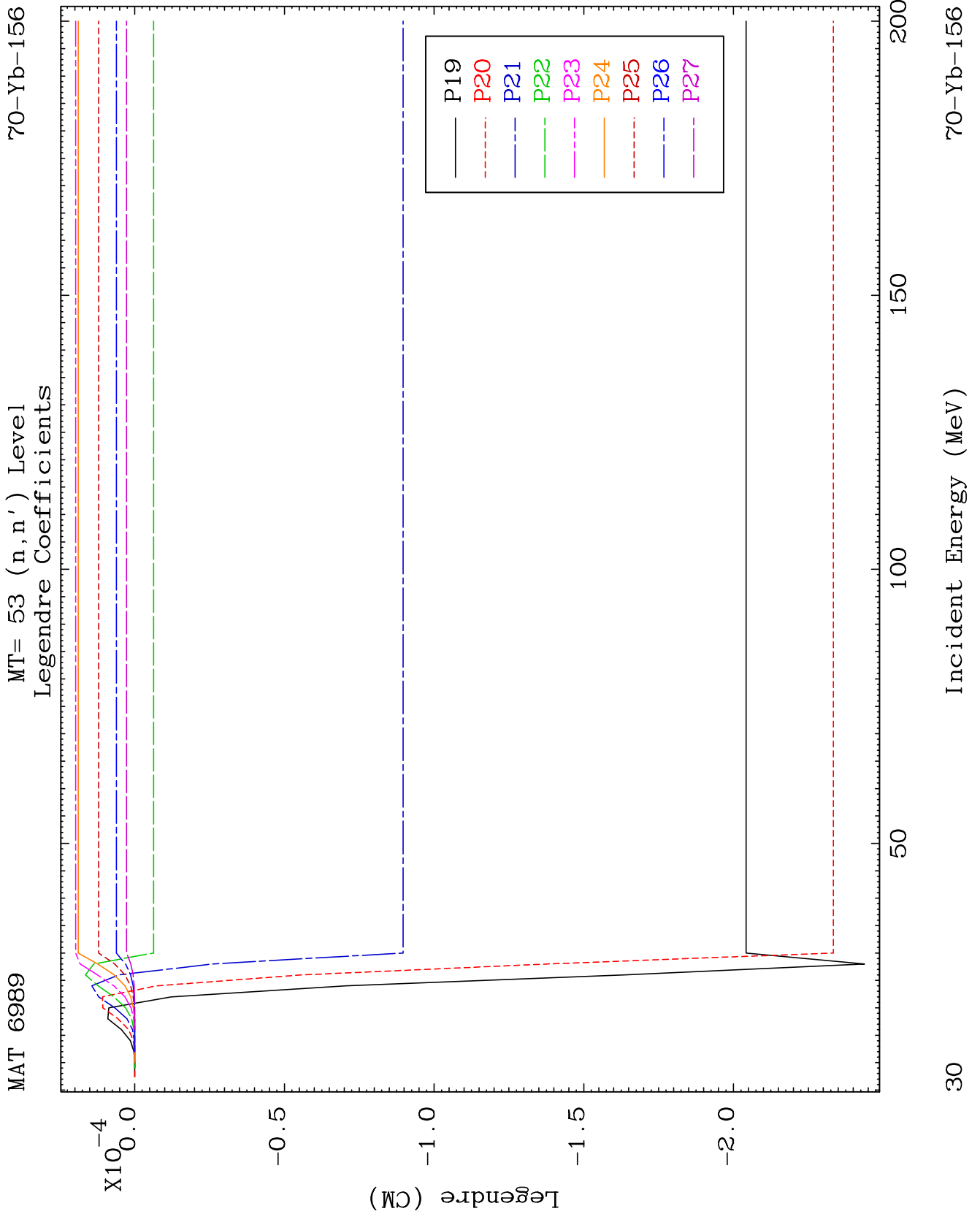
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29

Incident Energy (MeV)

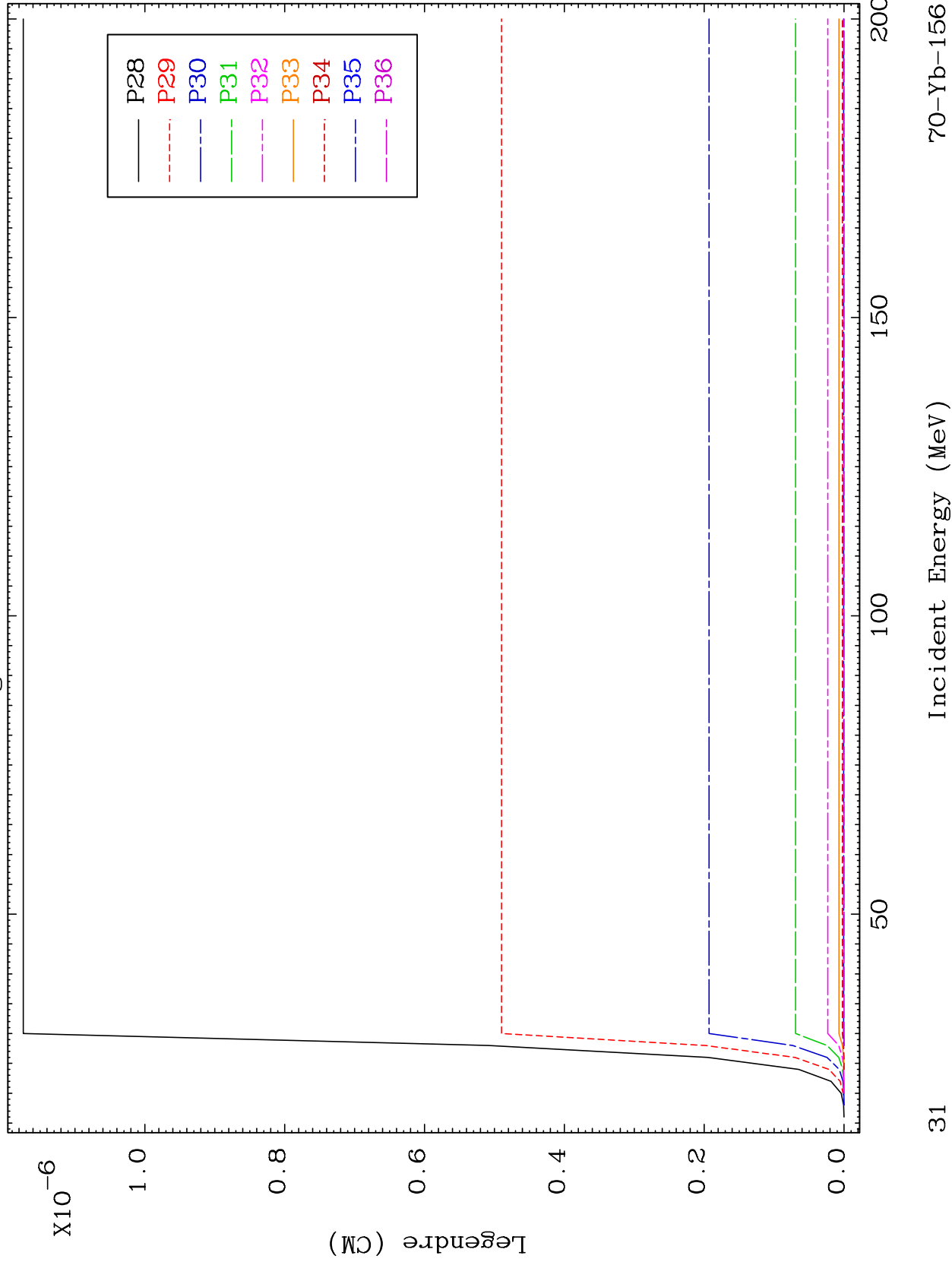
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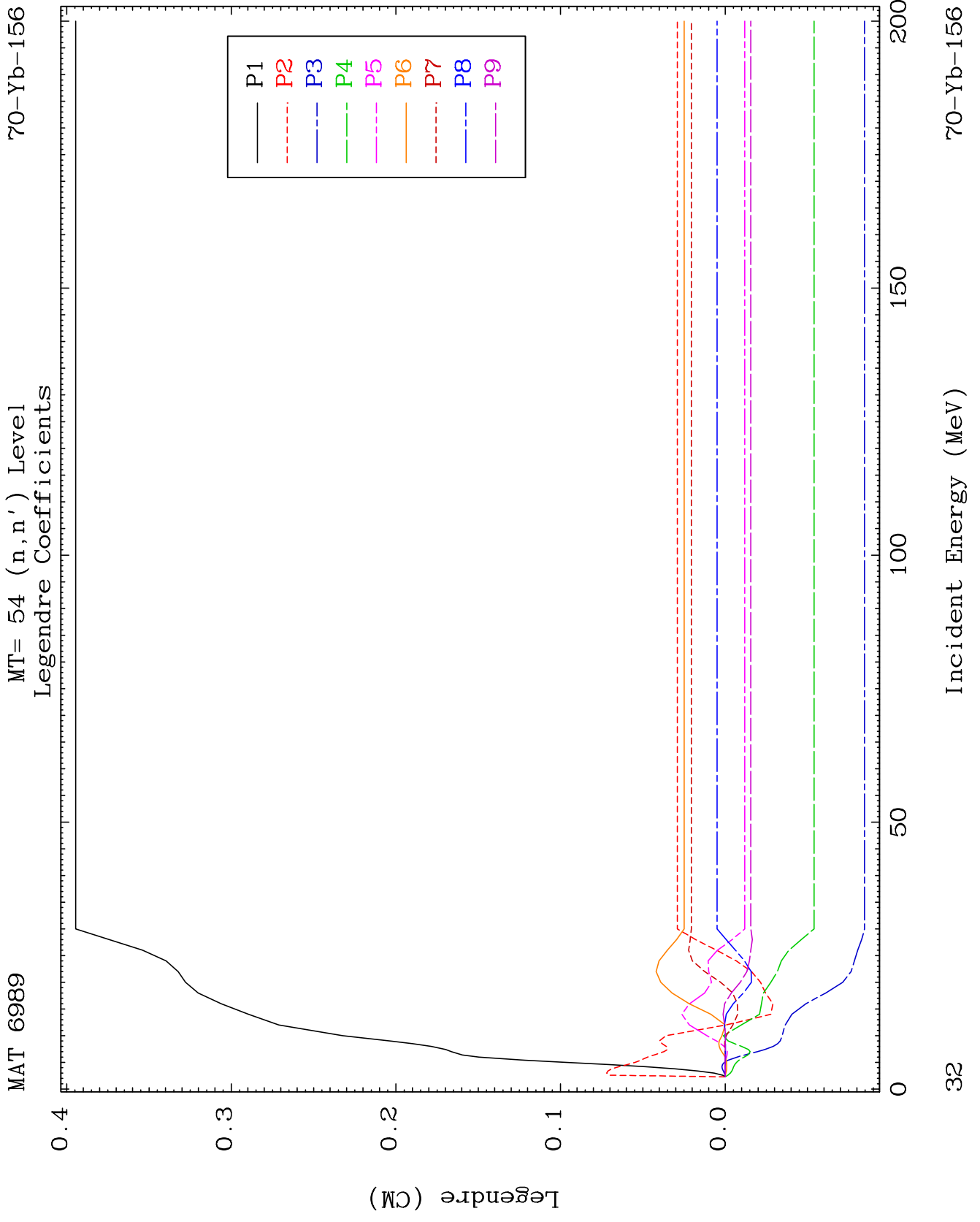


MAT 6989

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

70-Yb-156

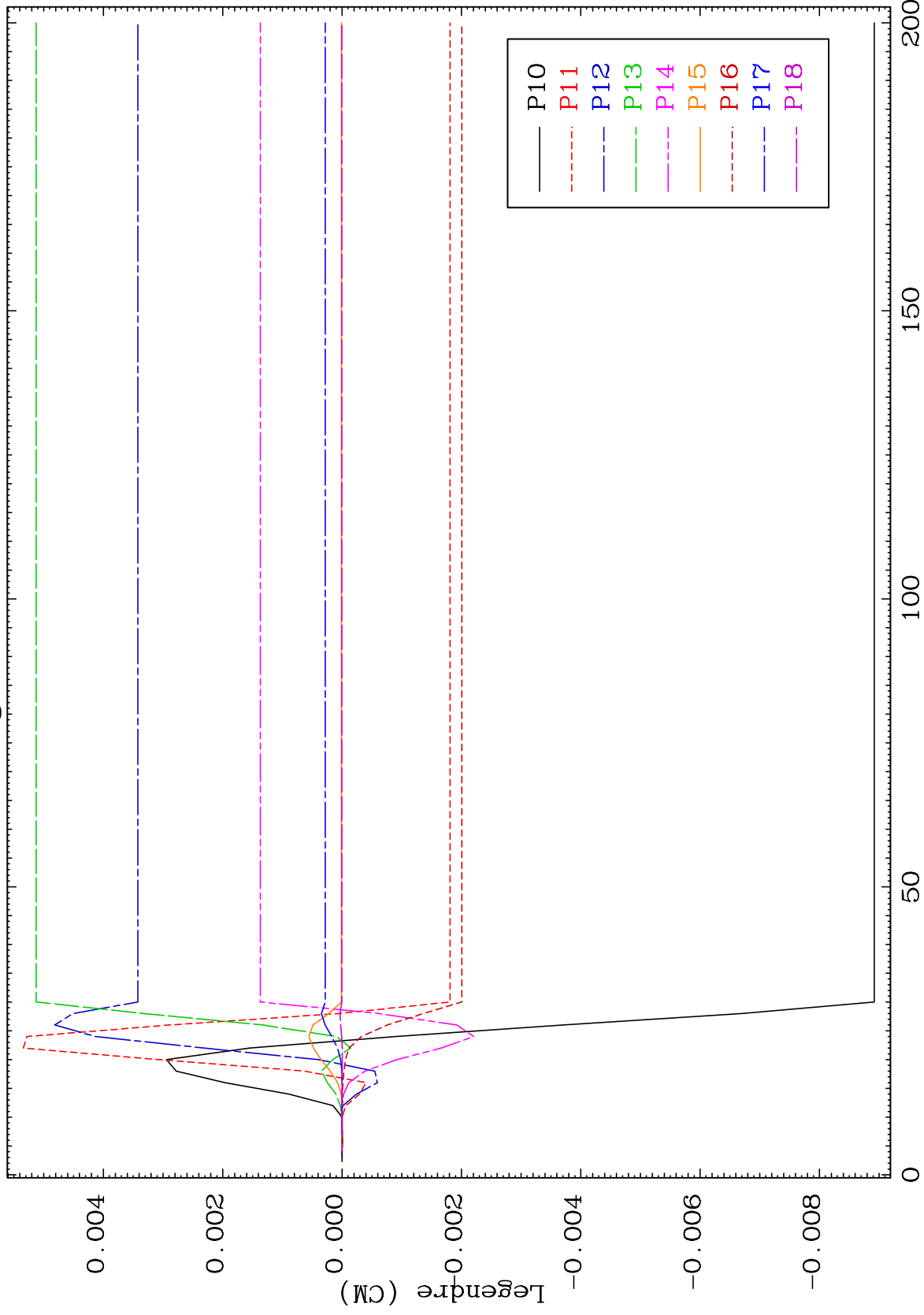




MAT 6989

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

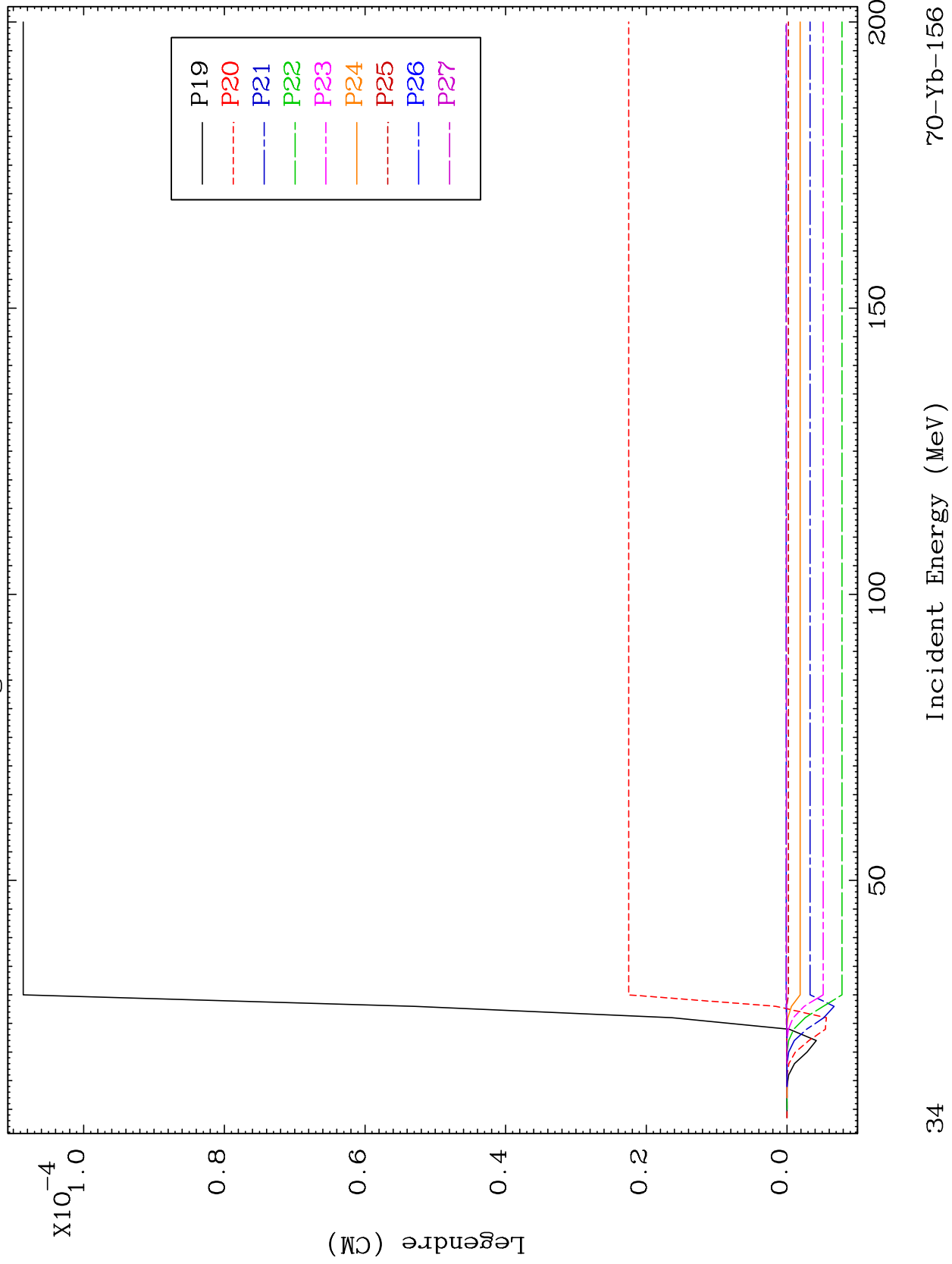
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MAT 6989

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

70-Yb-156



34

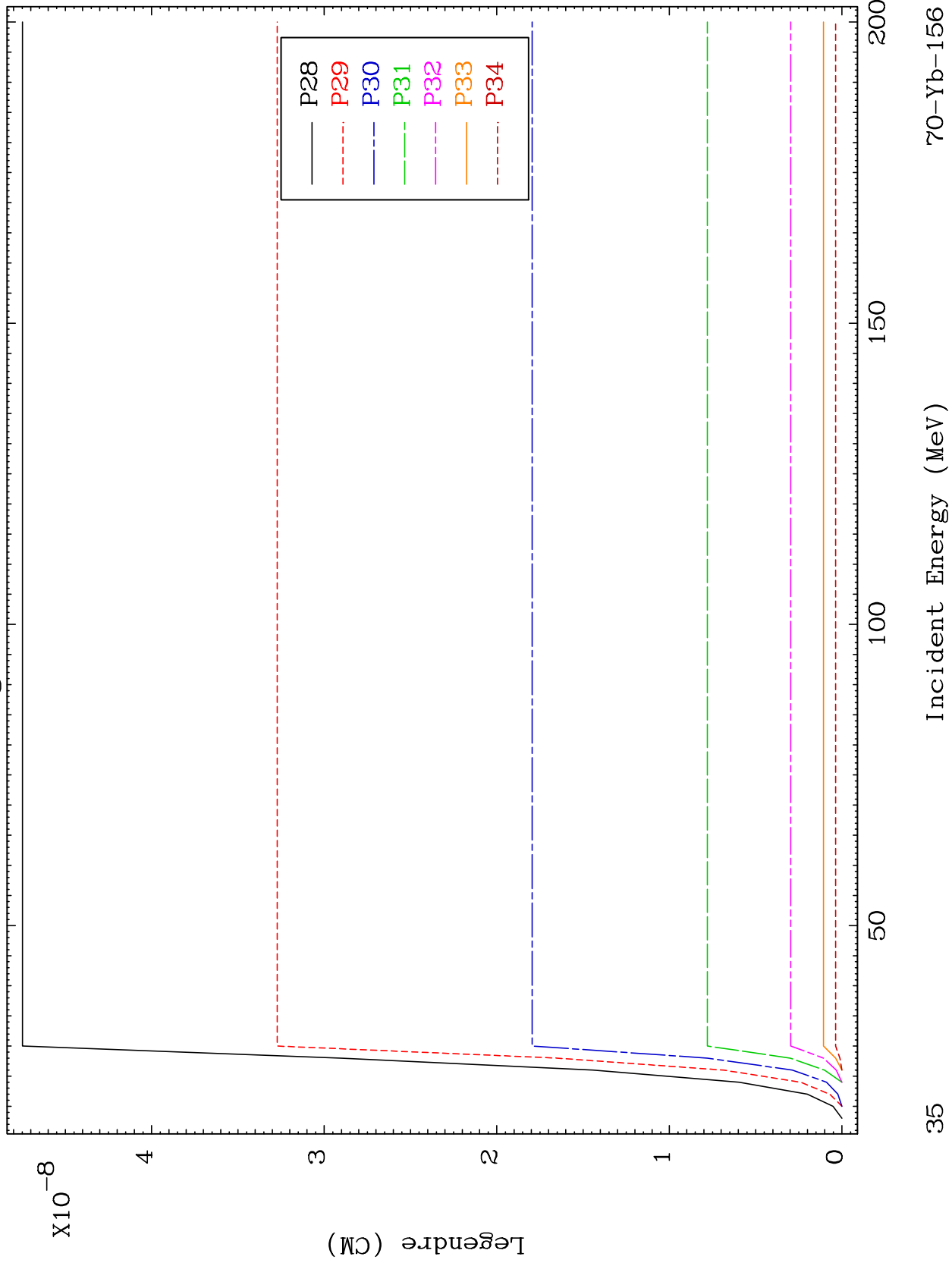
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

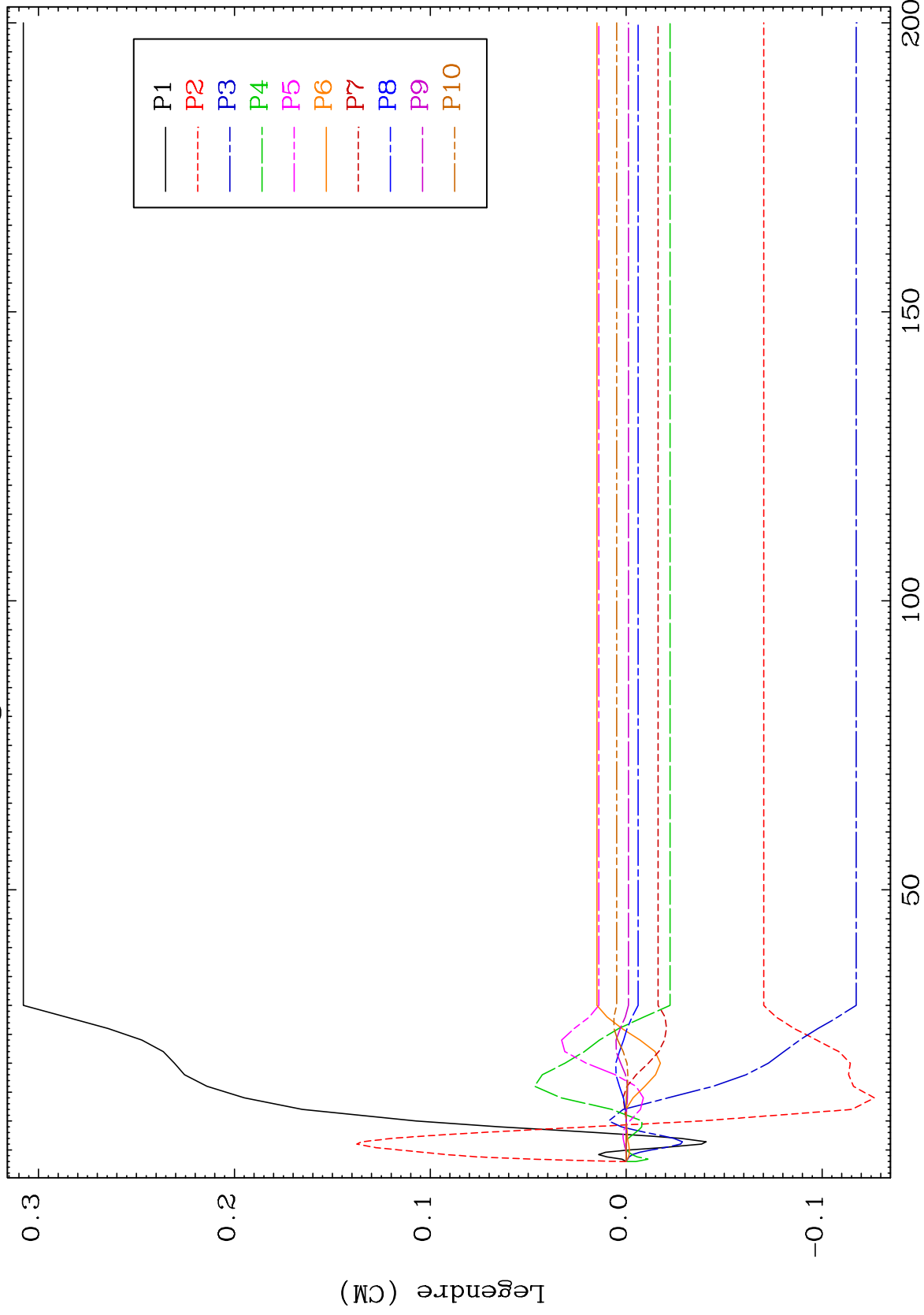
70-Yb-156



35

Incident Energy (MeV)

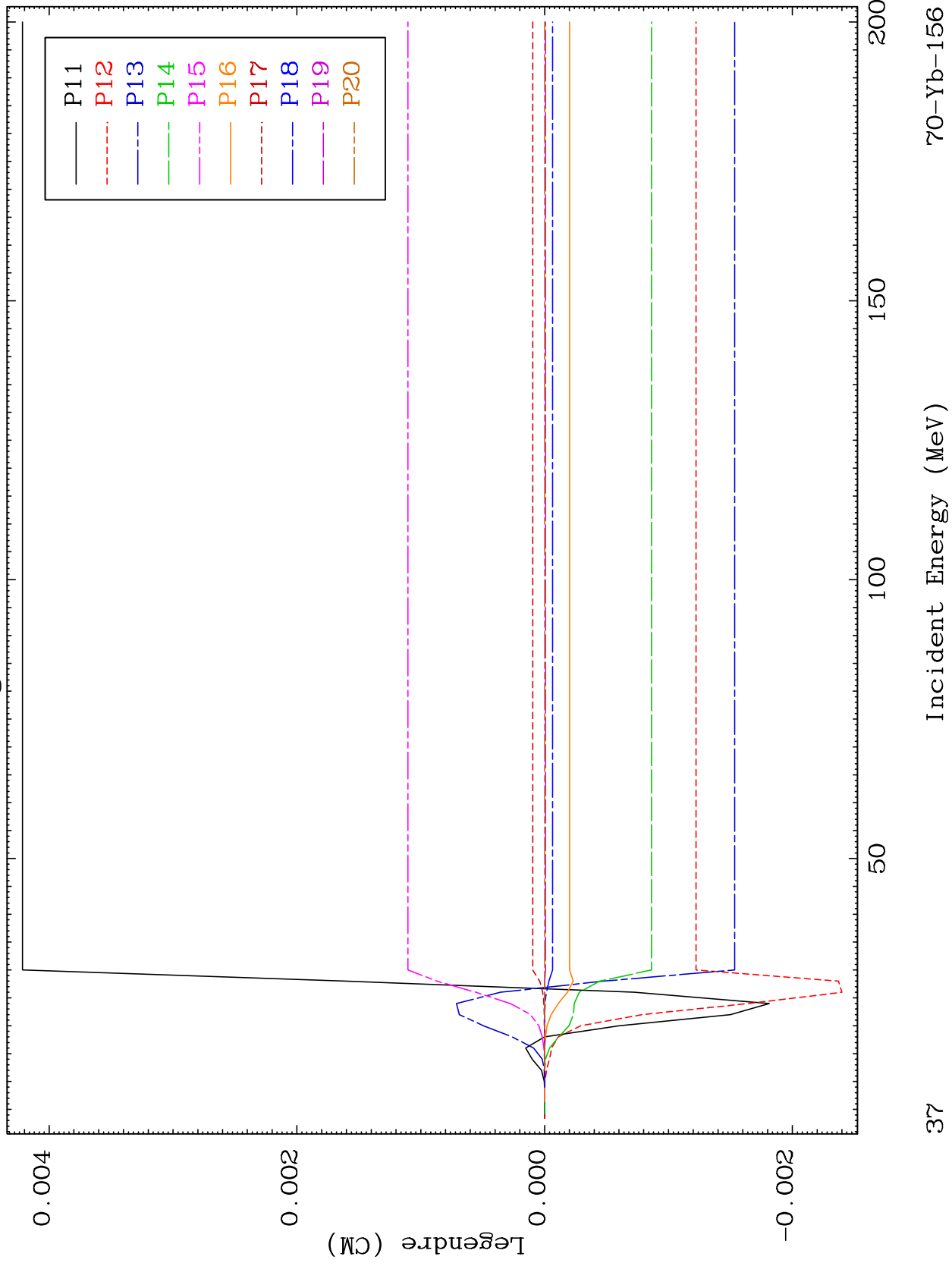
70-Yb-156



MAT 6989

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

70-Yb-156



37

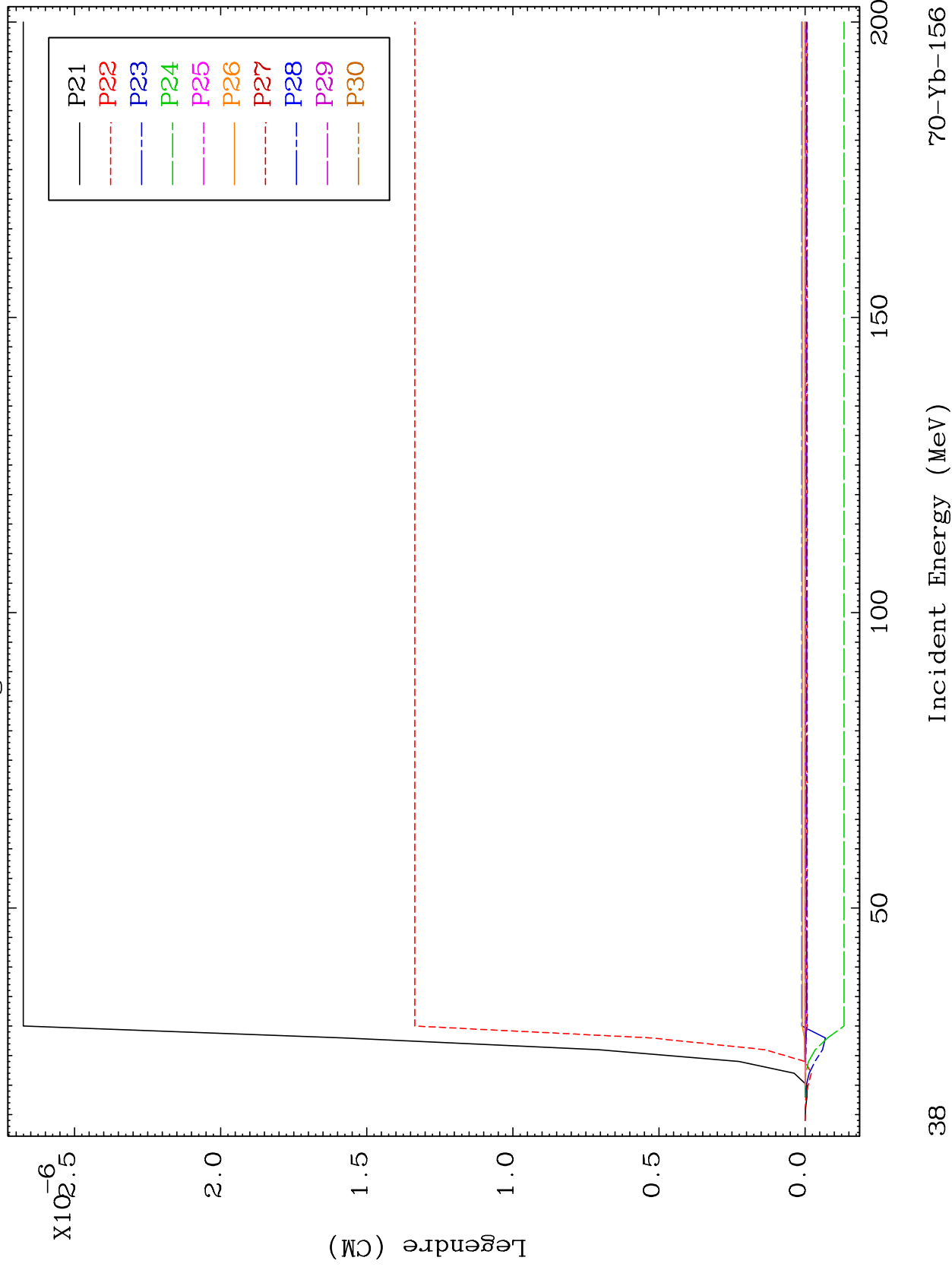
Incident Energy (MeV)

70-Yb-156

MAT 6989

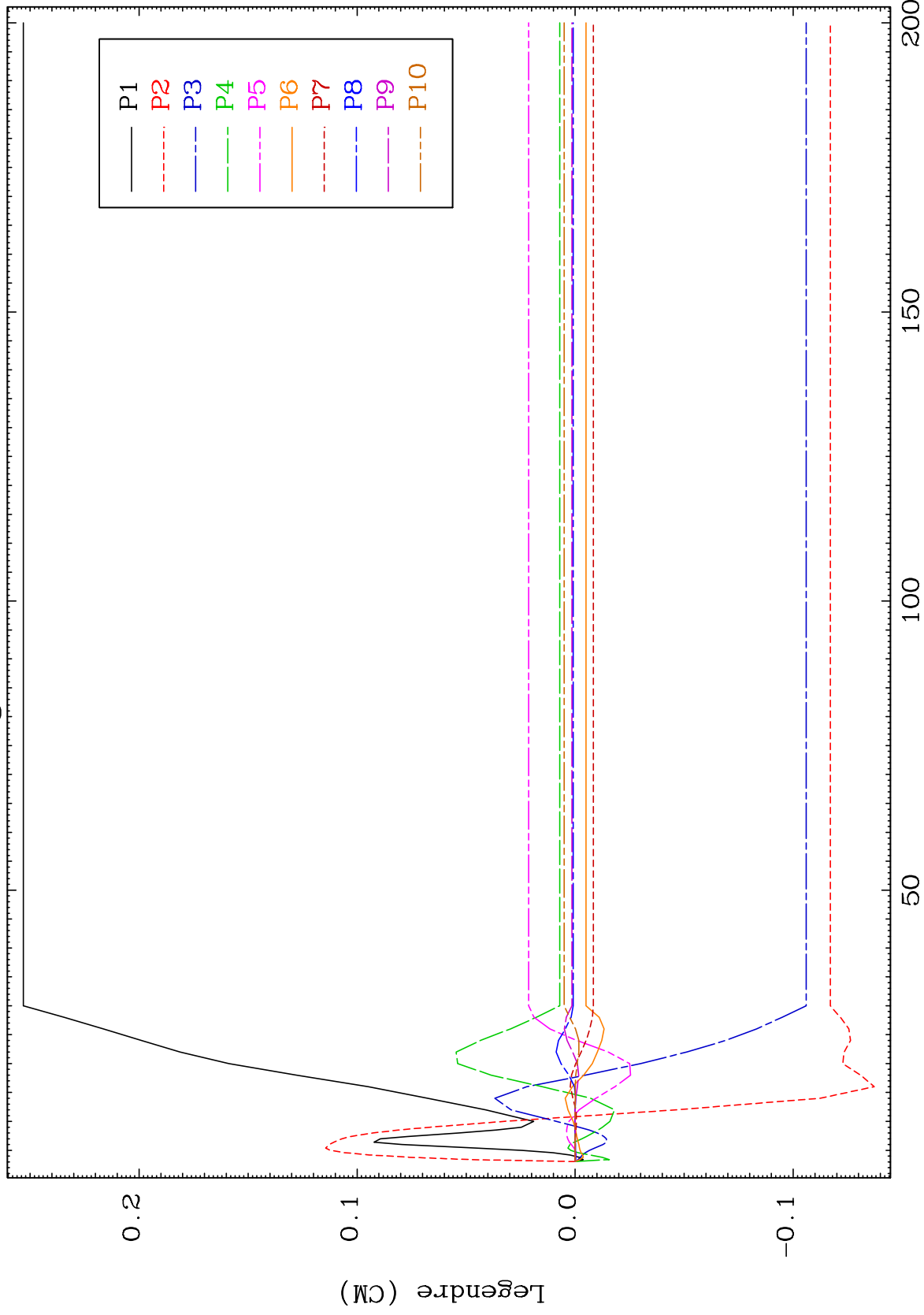
MT= 55 (n,n') Level
Legendre Coefficients

70-Yb-156



38

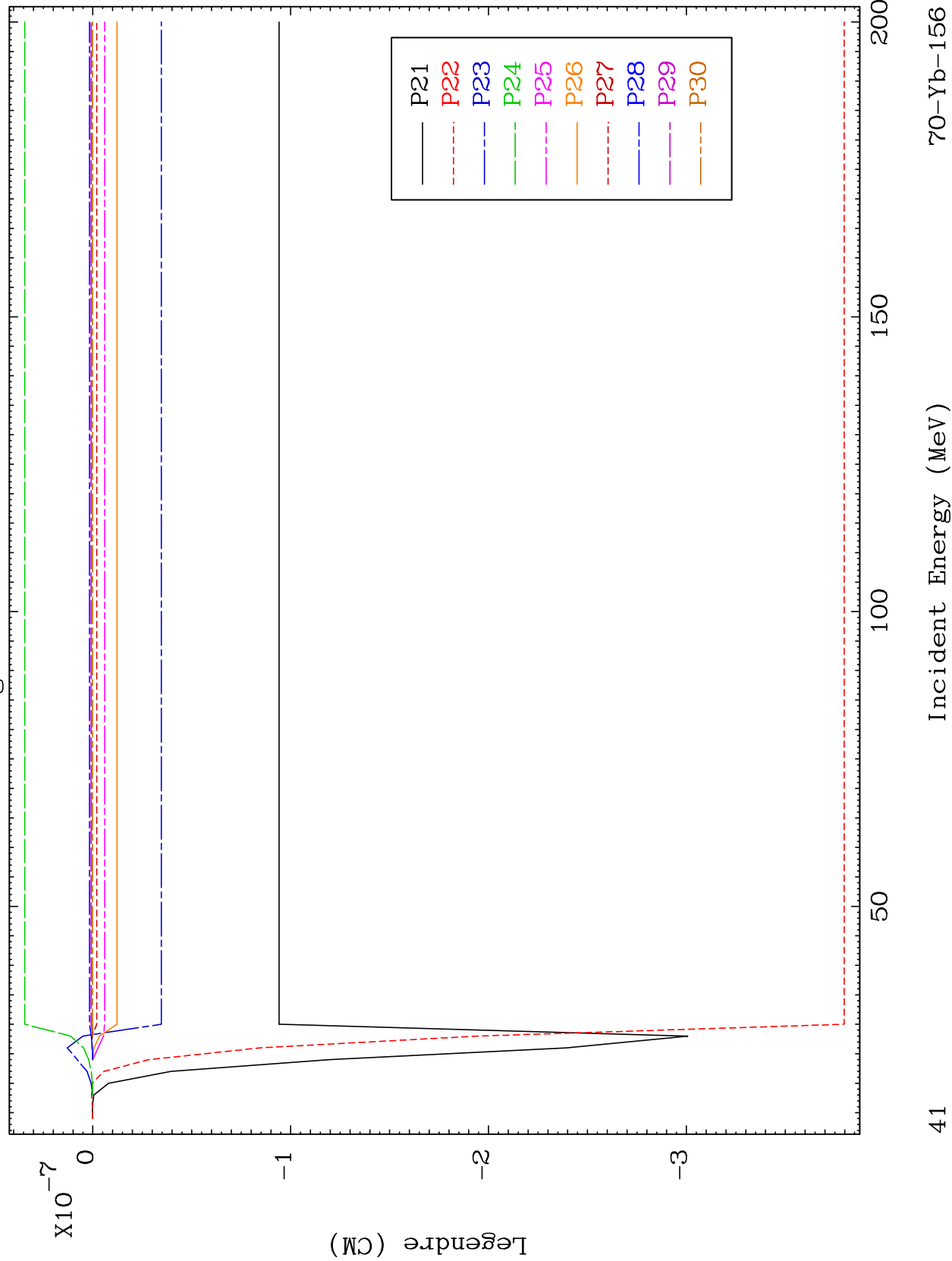
70-Yb-156



MAT 6989

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

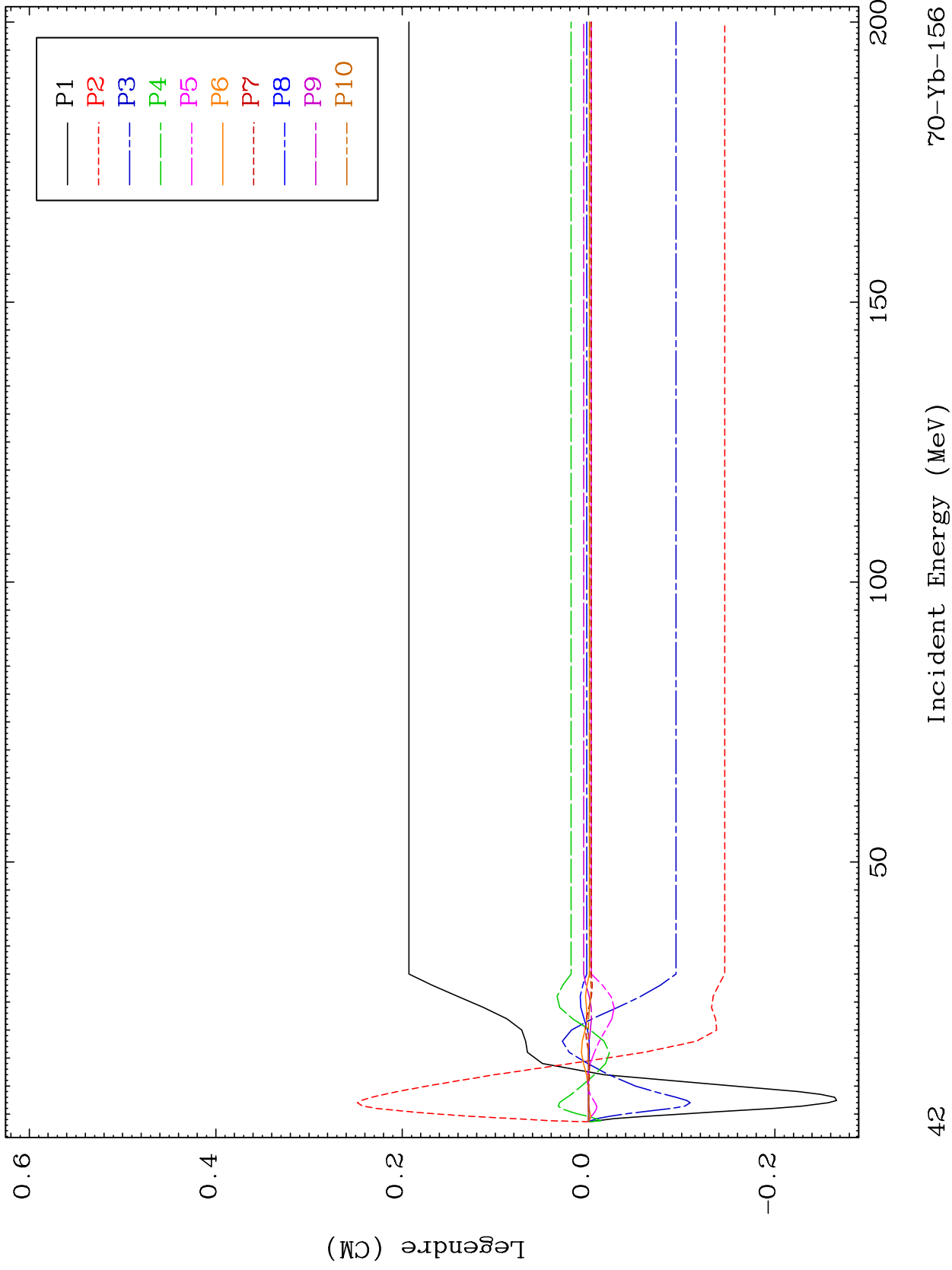
70-Yb-156



MAT 6989

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

70-Yb-156



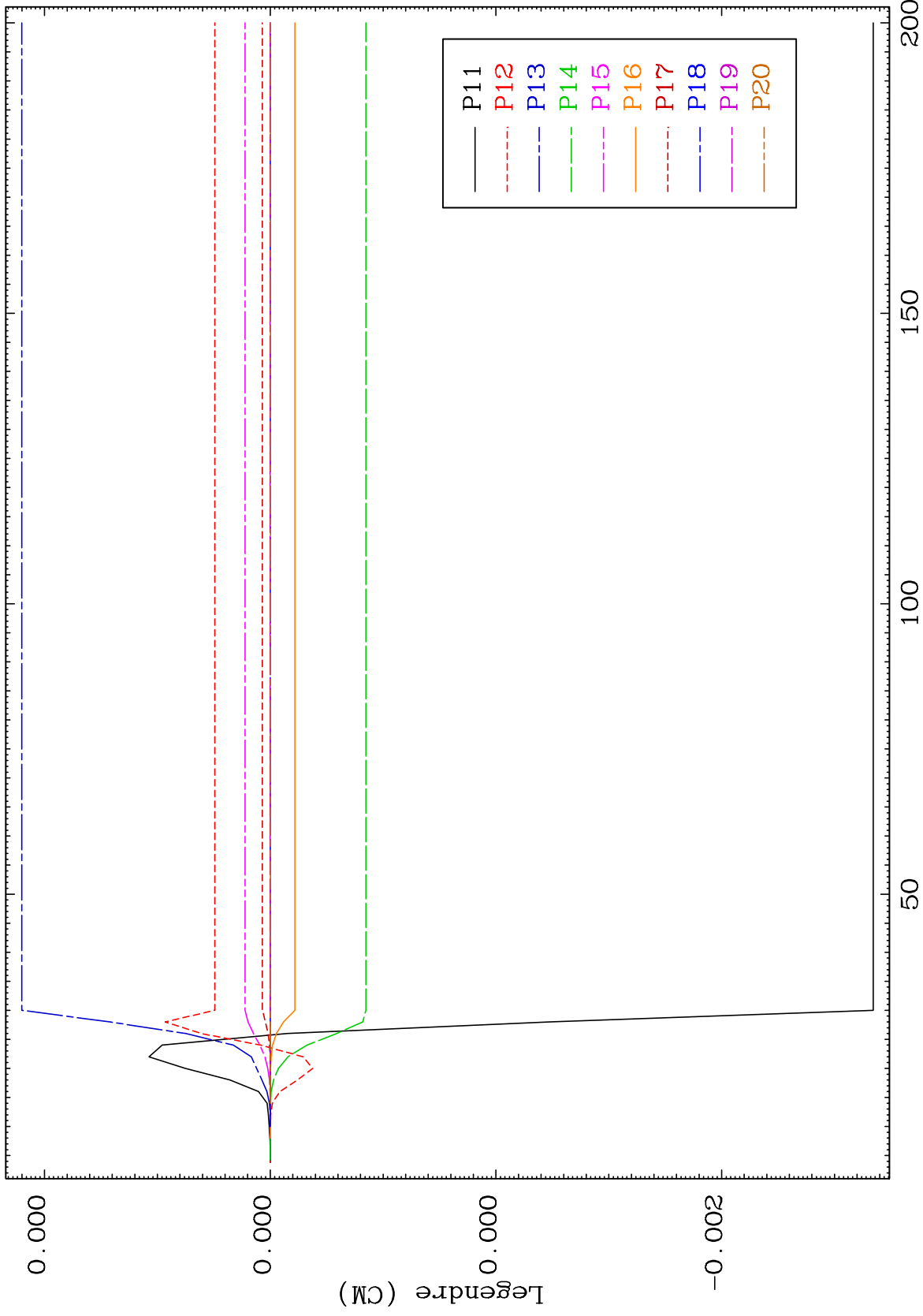
42

70-Yb-156

MAT 6989

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

70-Yb-156



43

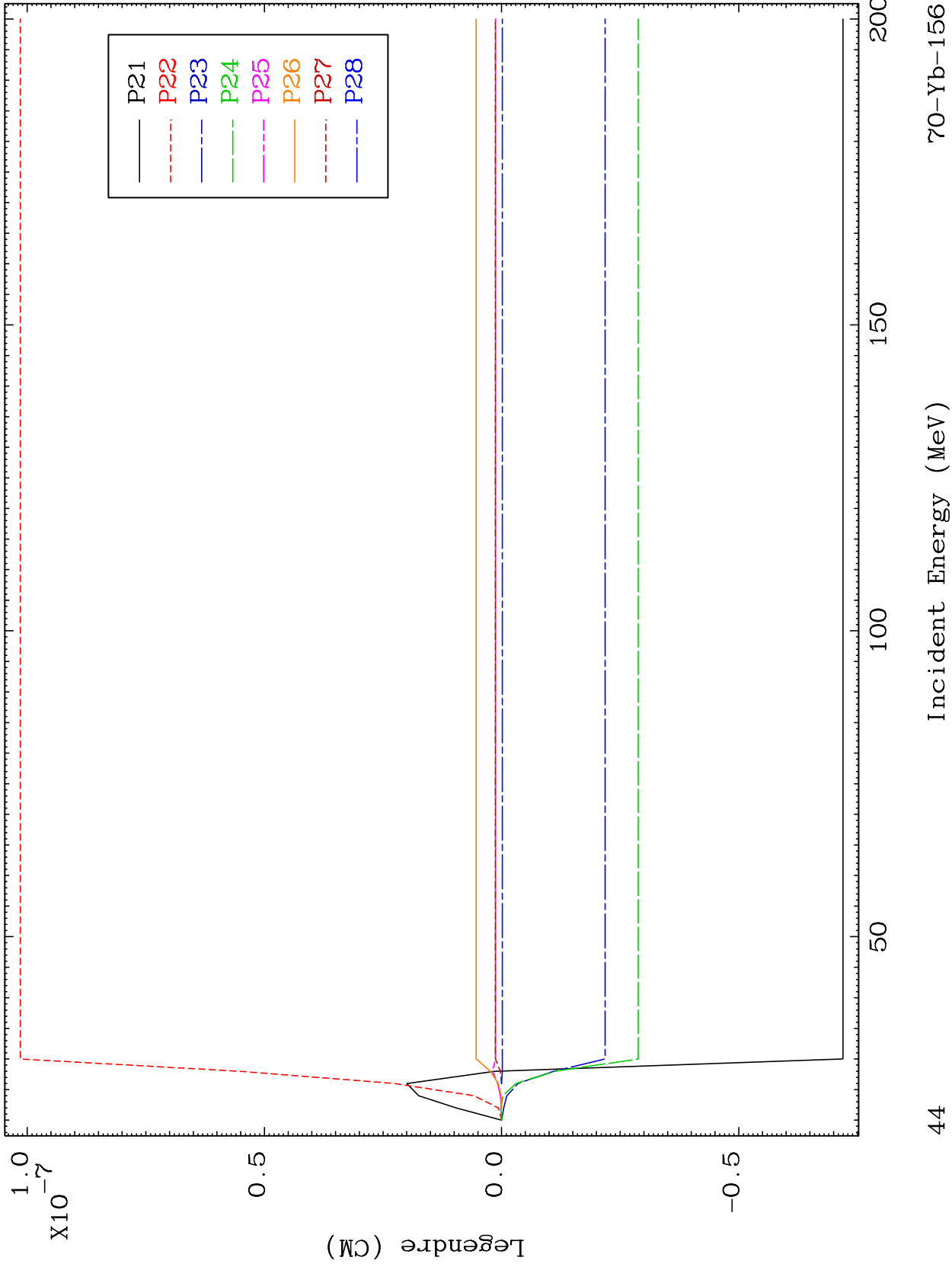
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

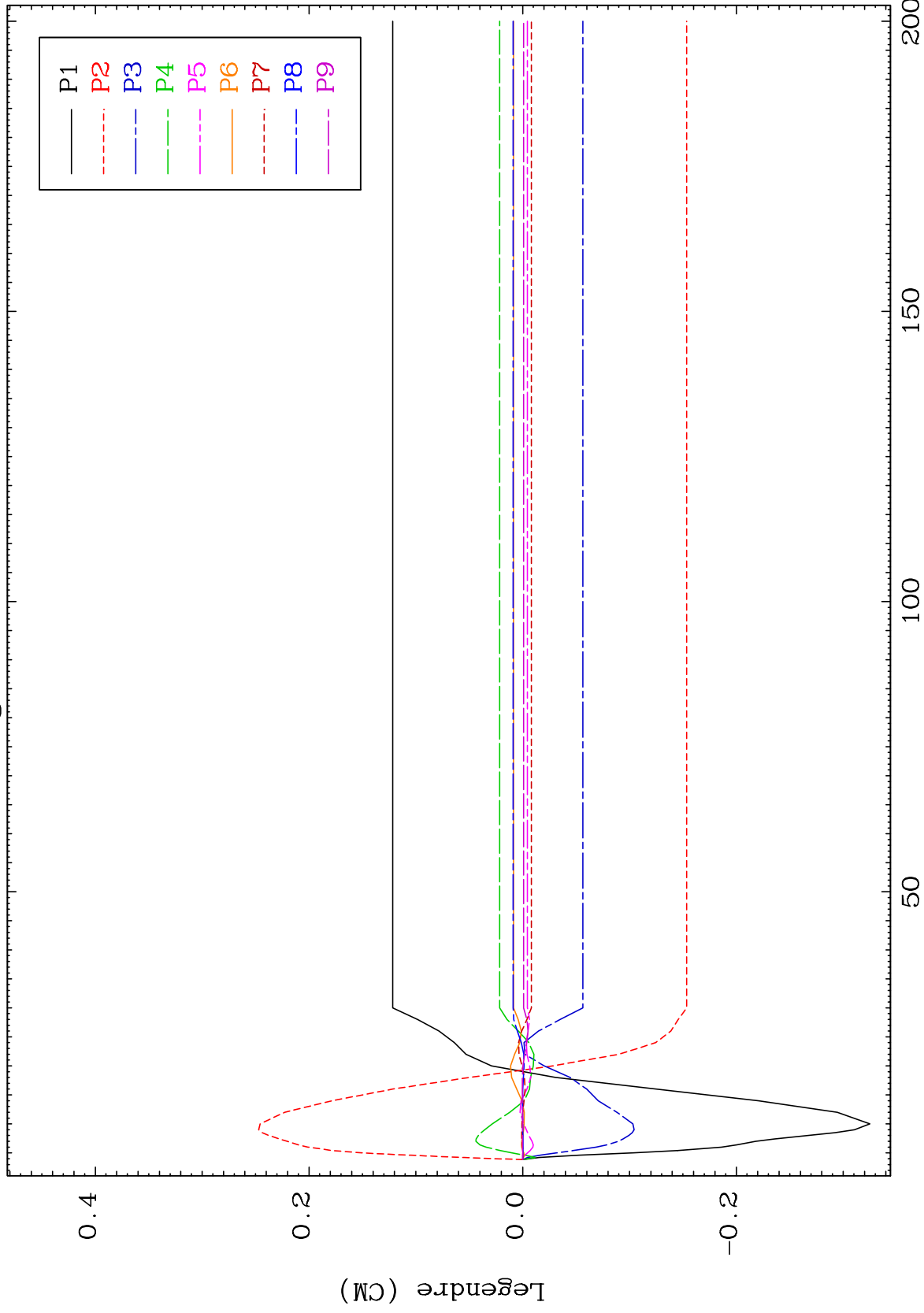
70-Yb-156



MAT 6989

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

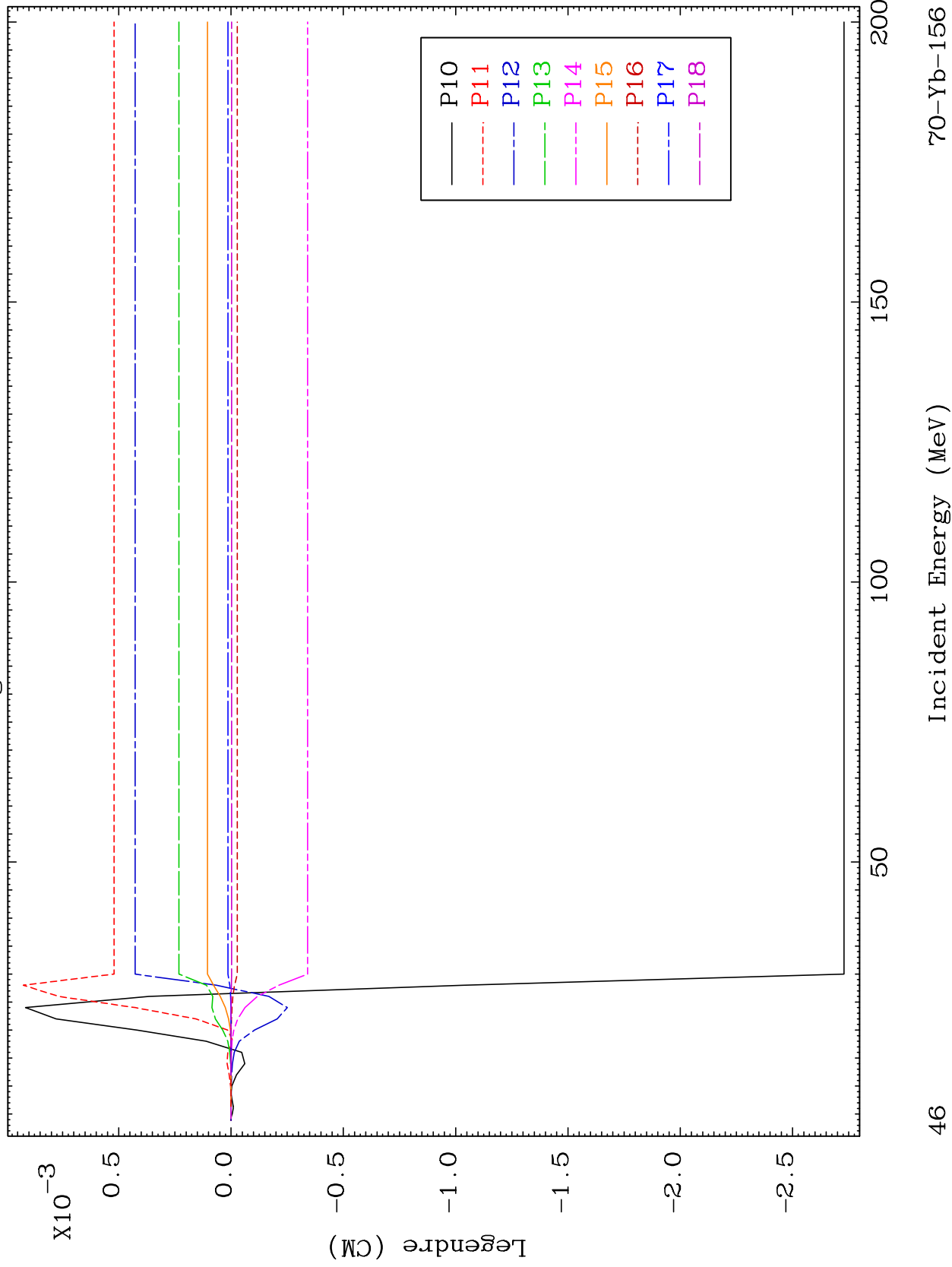
70-Yb-156



45

Incident Energy (MeV)

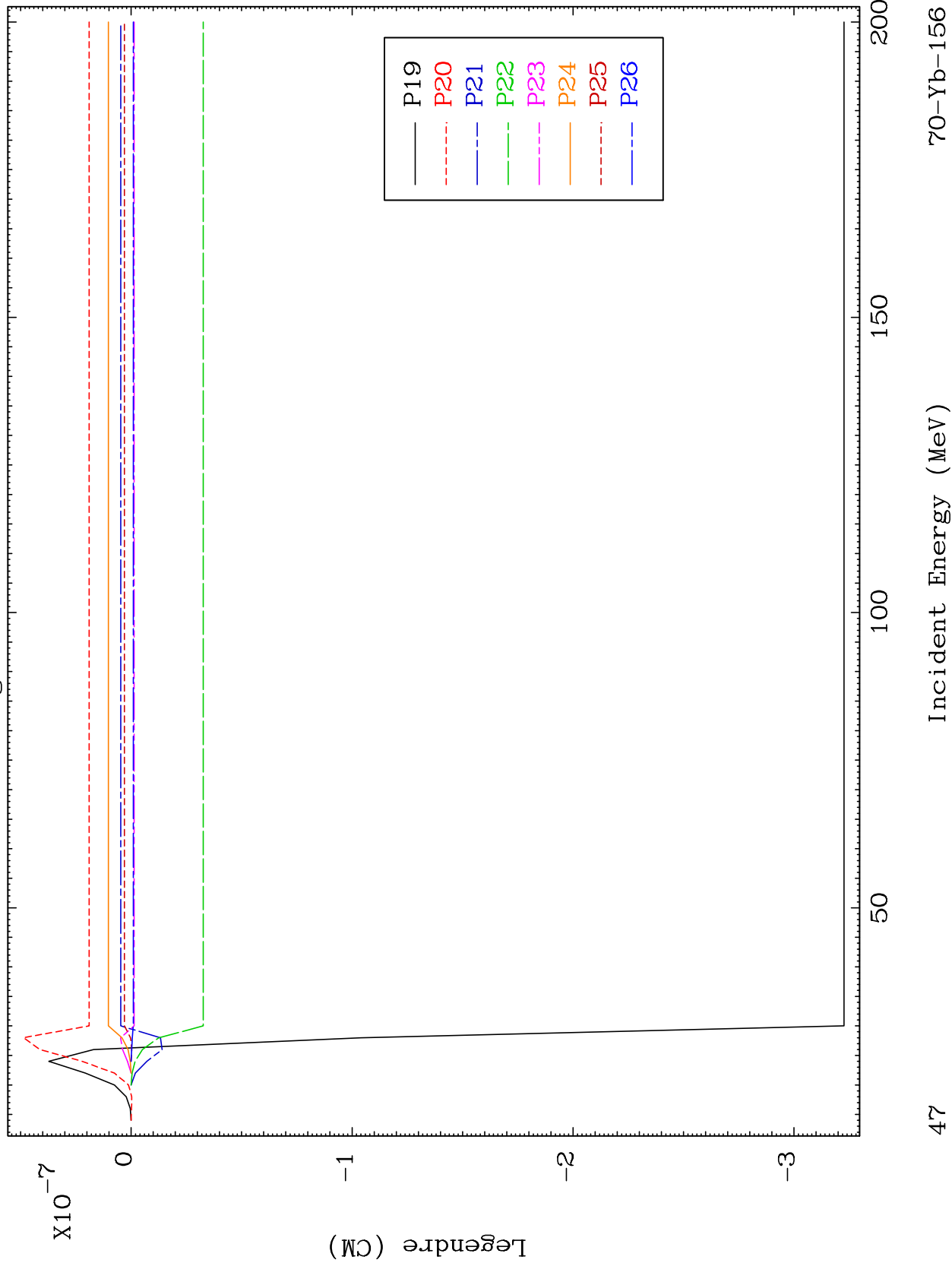
70-Yb-156



MAT 6989

70-Yb-156

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



47

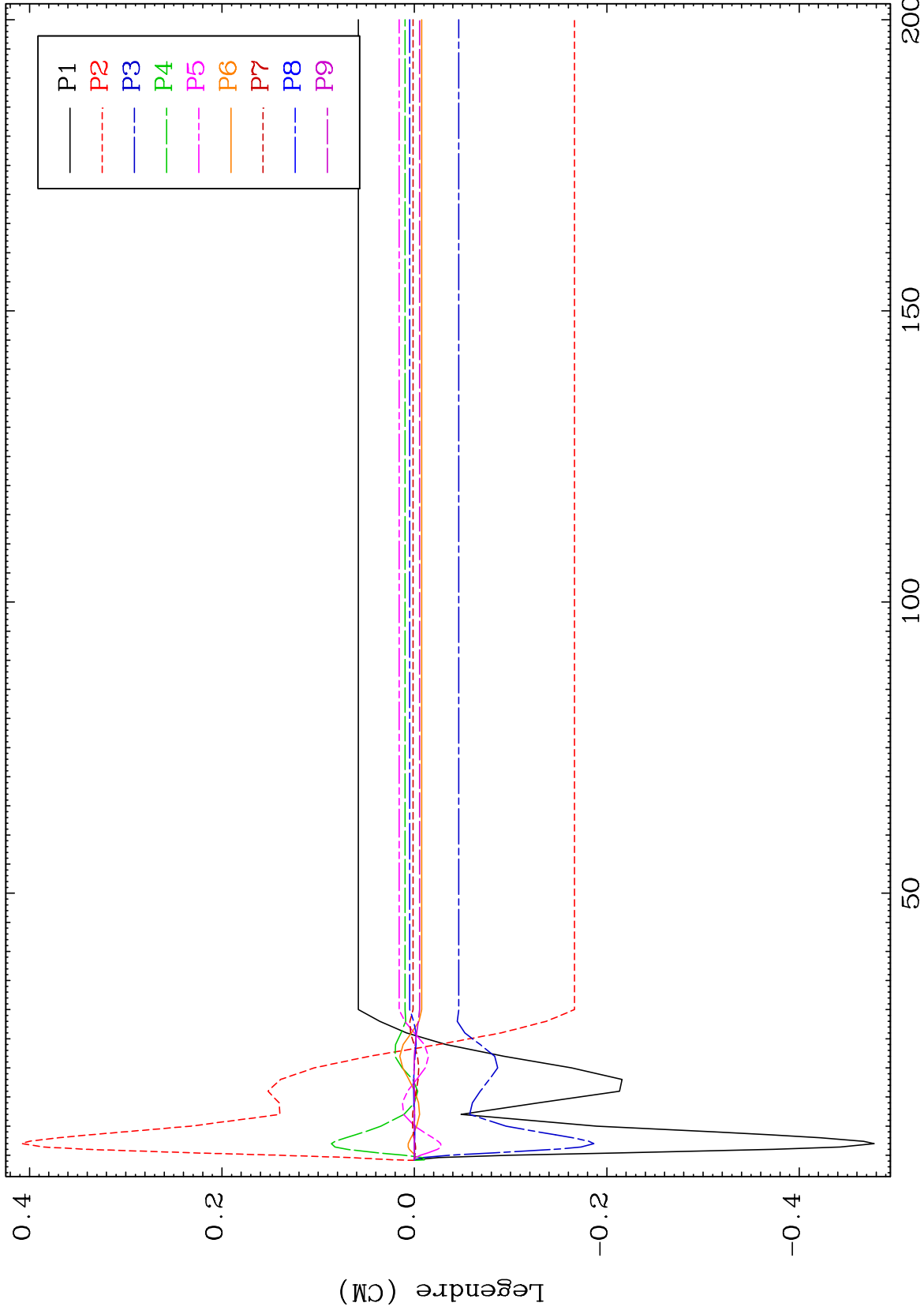
70-Yb-156

Incident Energy (MeV)

MAT 6989

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

70-Yb-156



48

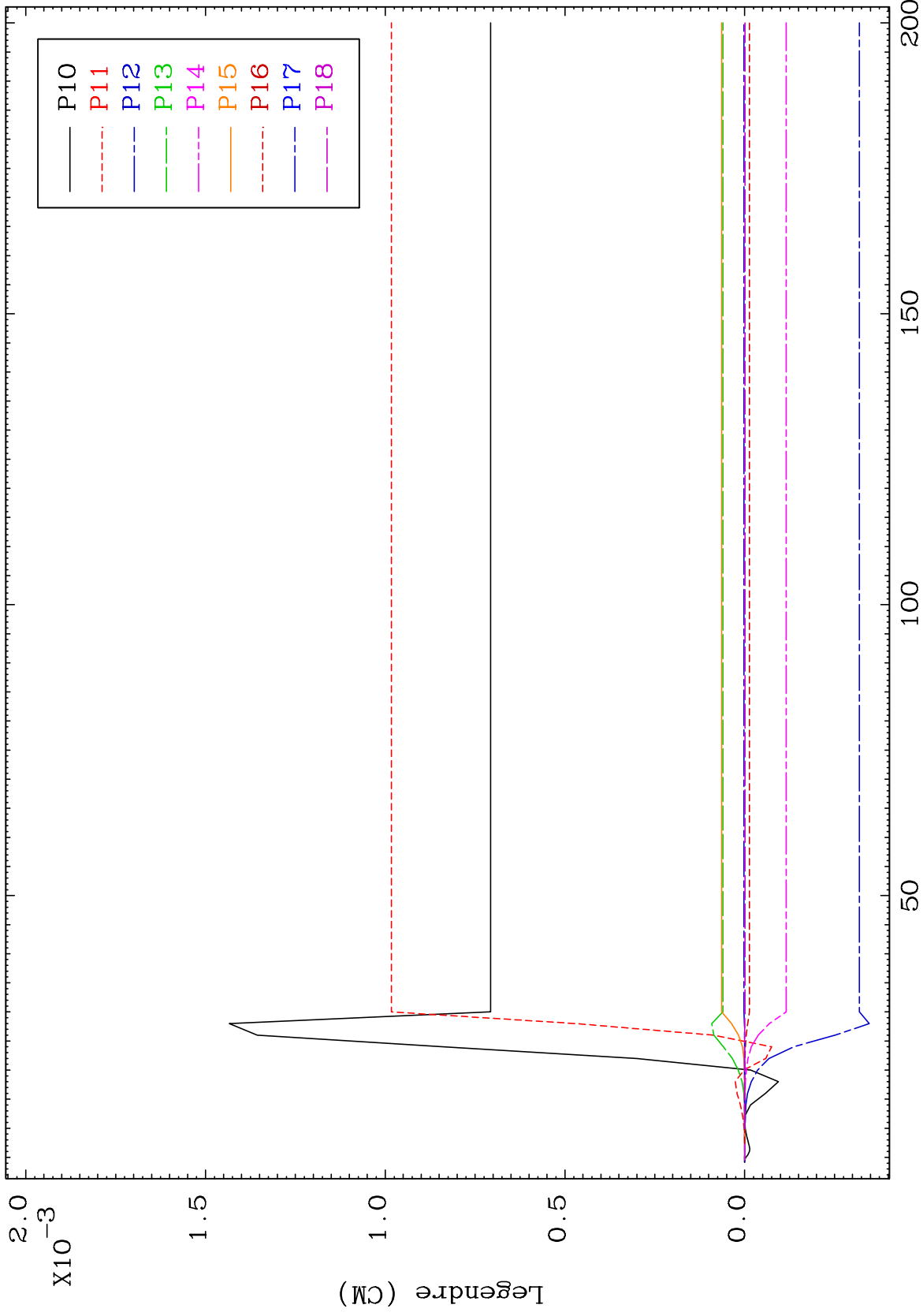
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



49

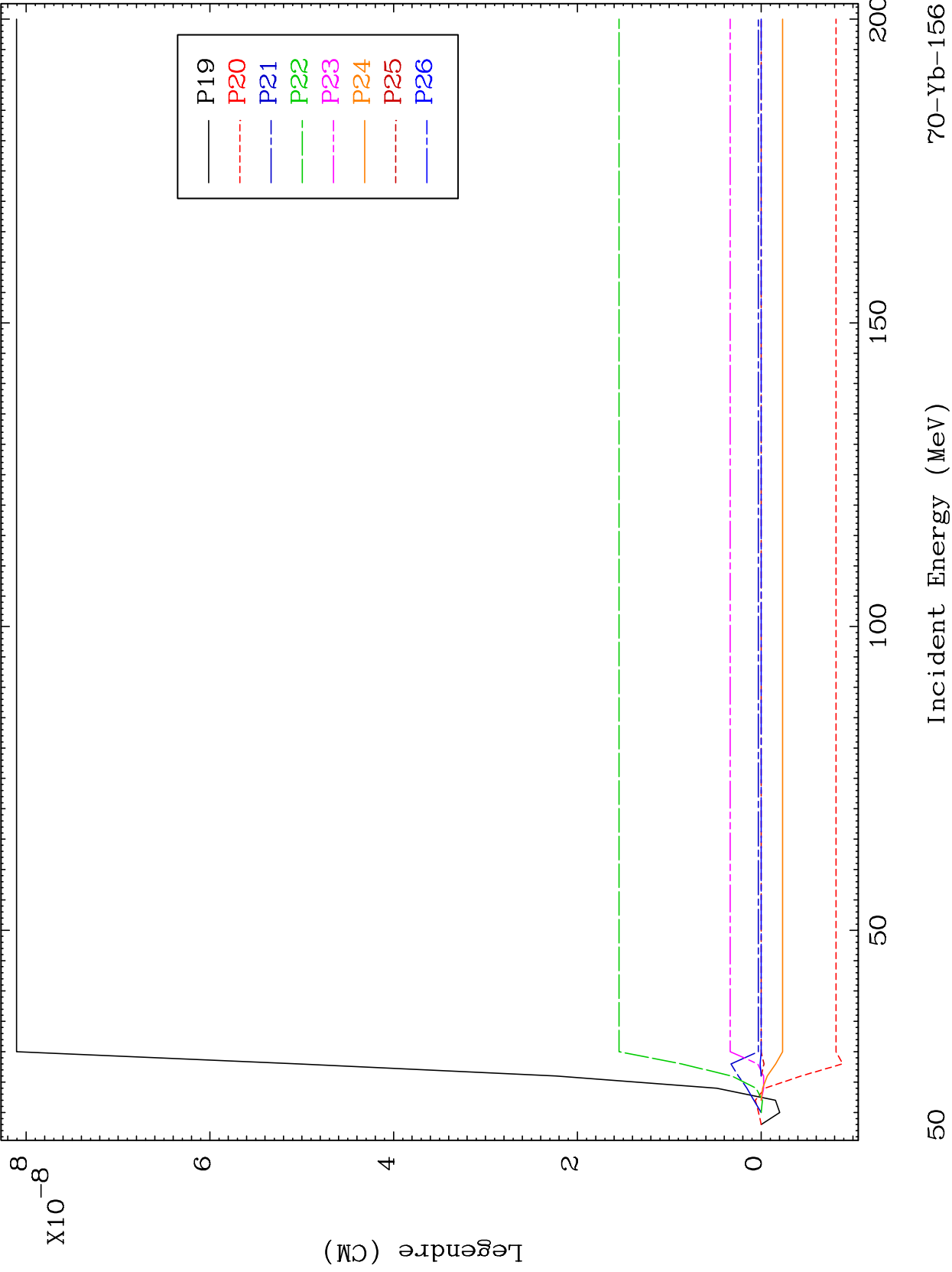
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

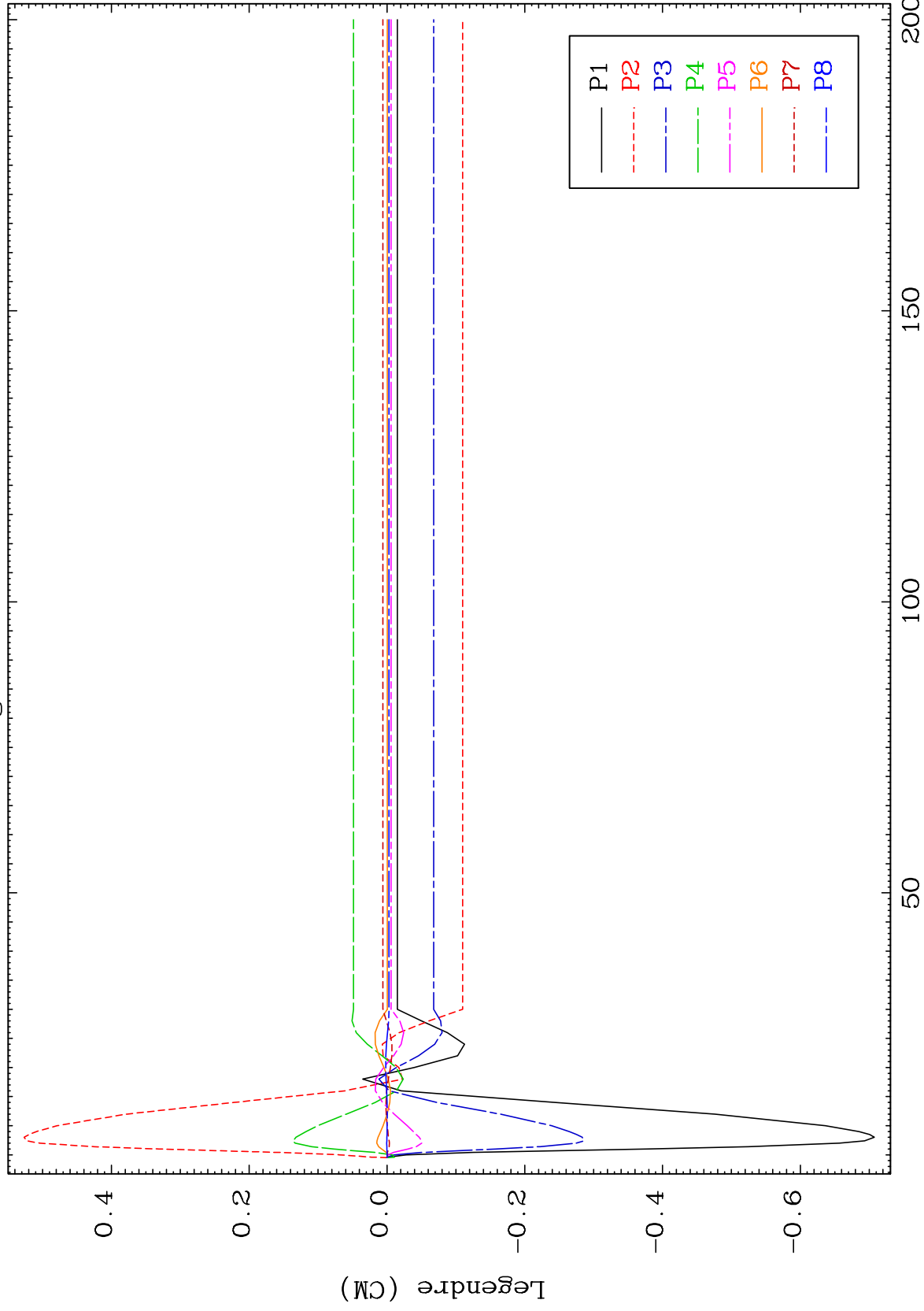
70-Yb-156



MAT 6989

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

70-Yb-156



51

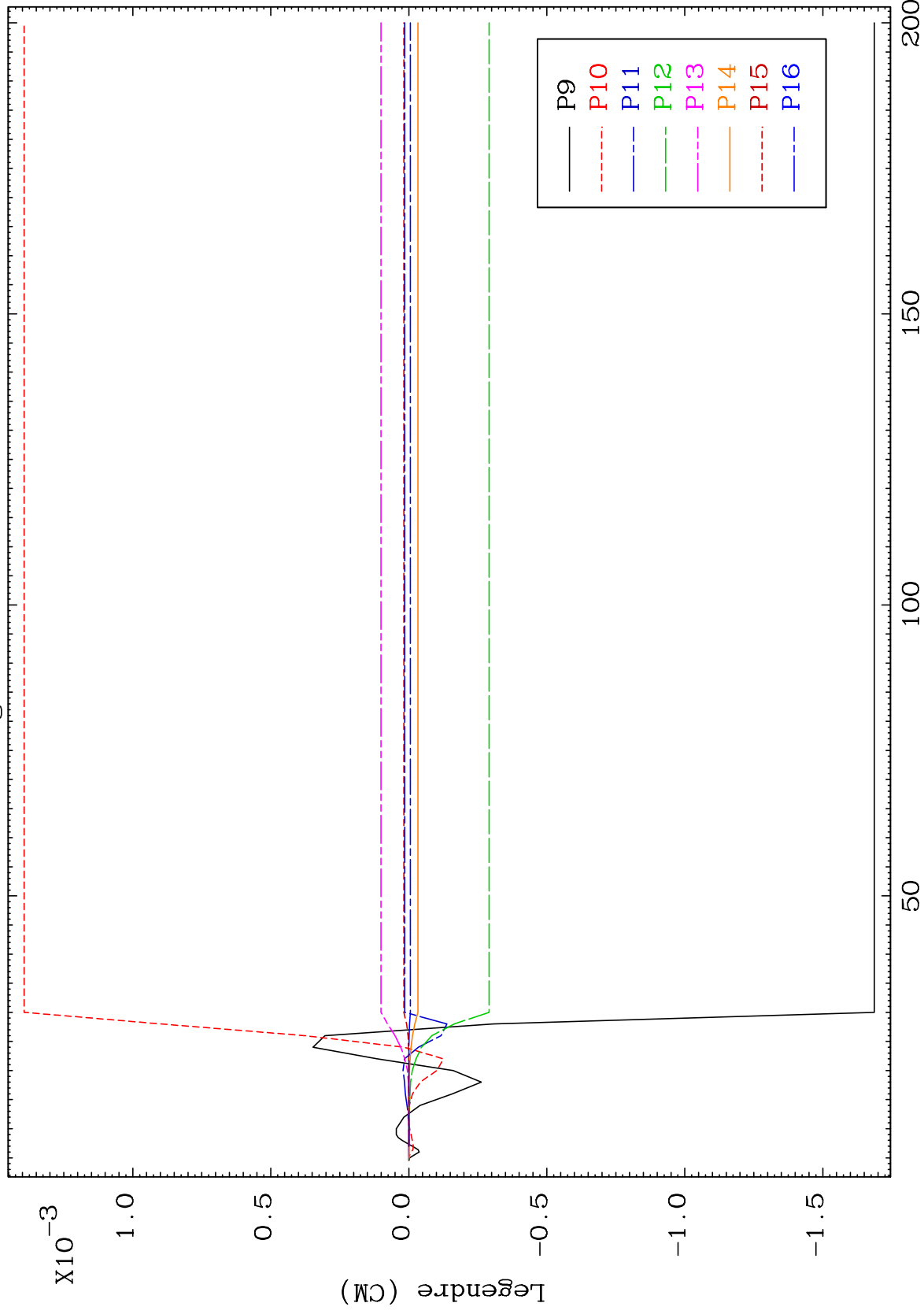
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



52

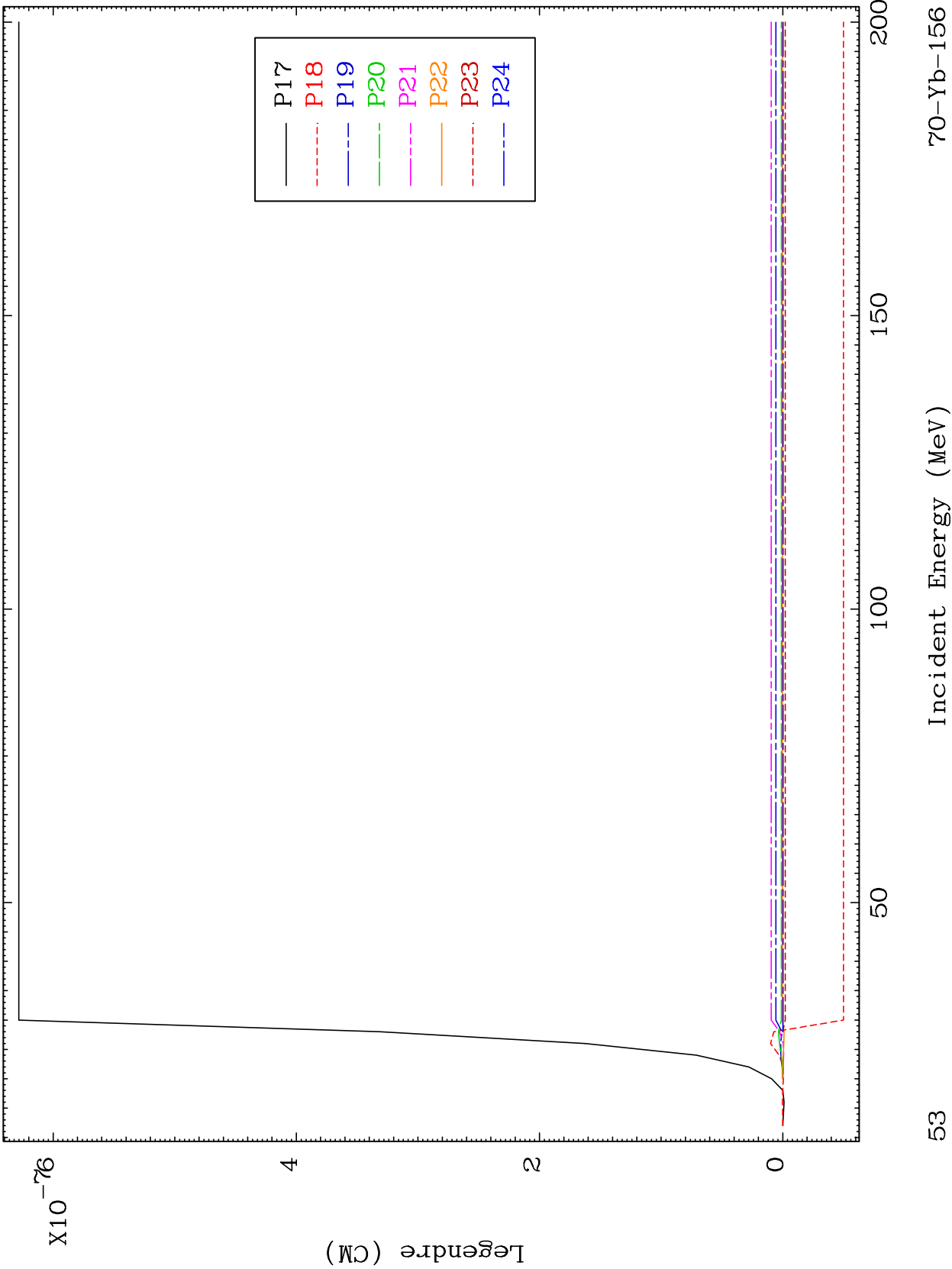
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



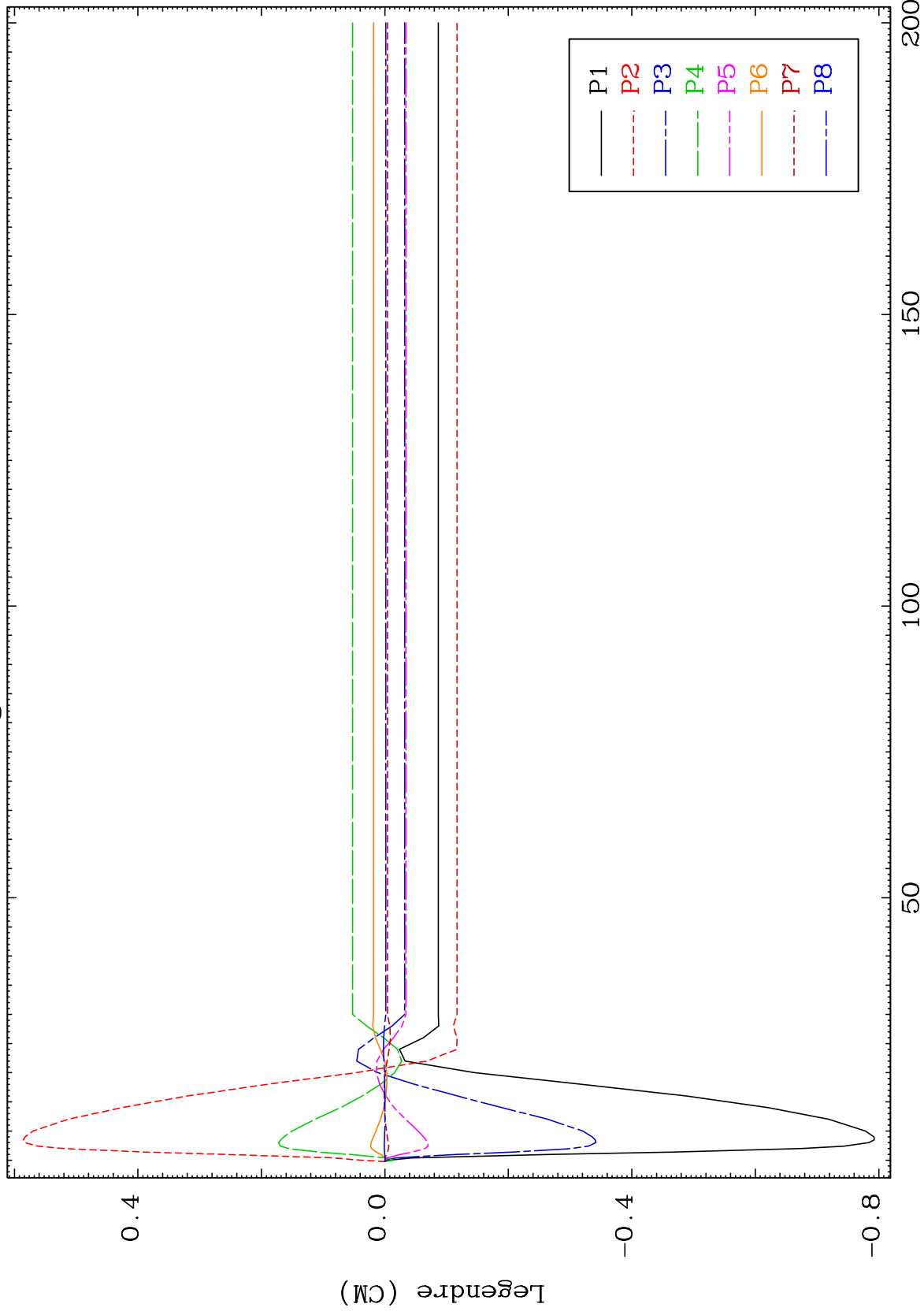
53

70-Yb-156

MAT 6989

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

70-Yb-156



54

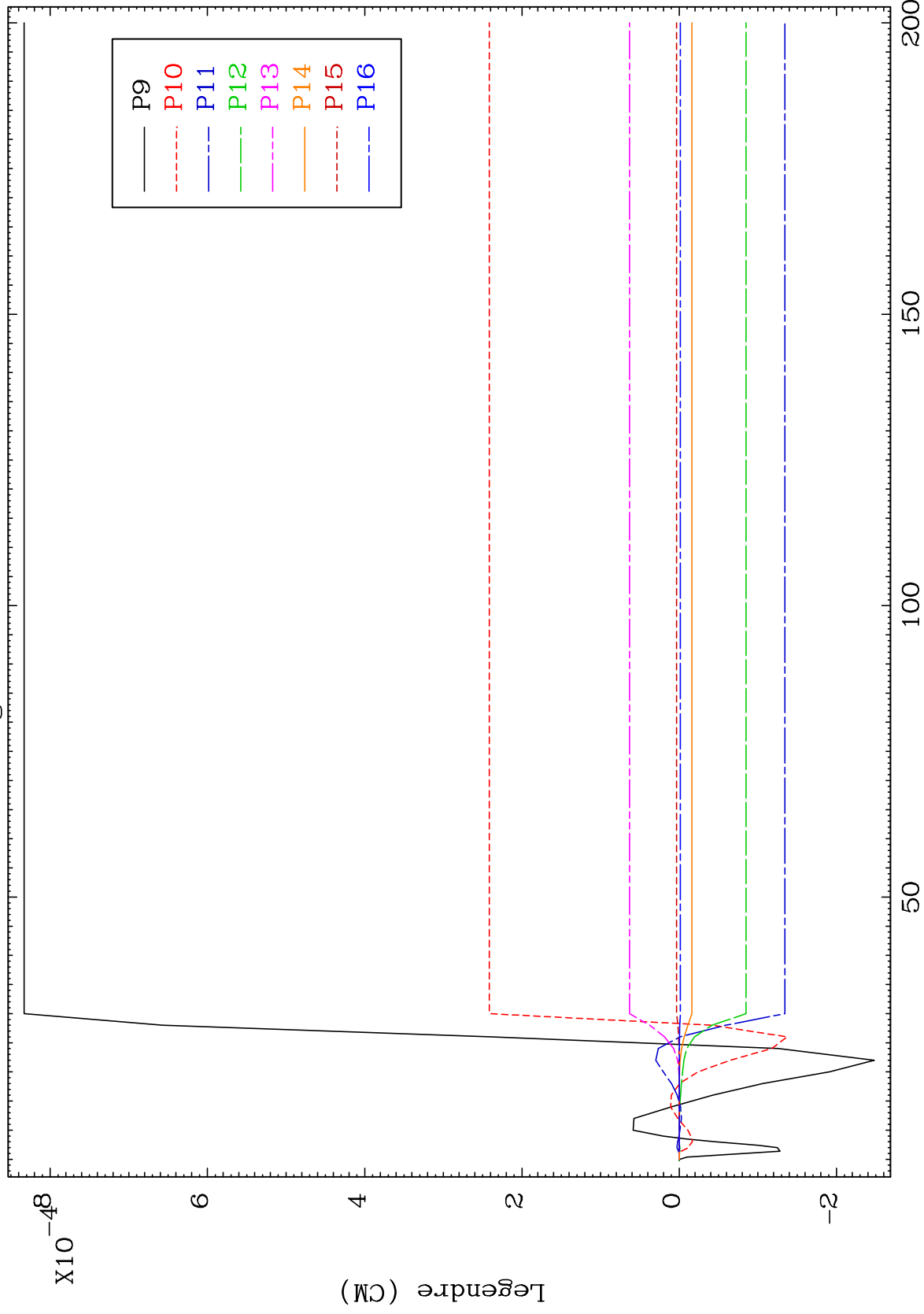
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



55

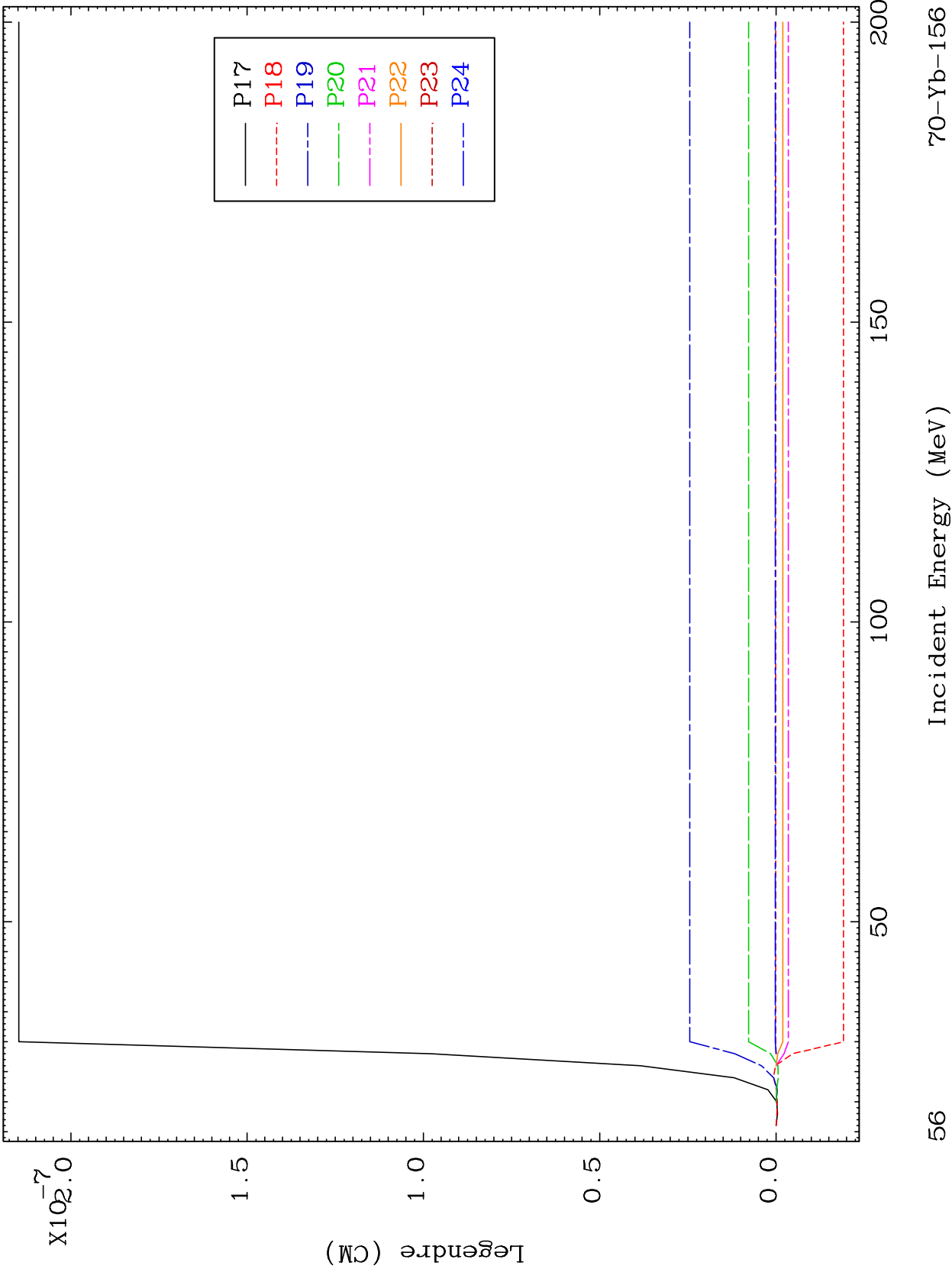
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



56

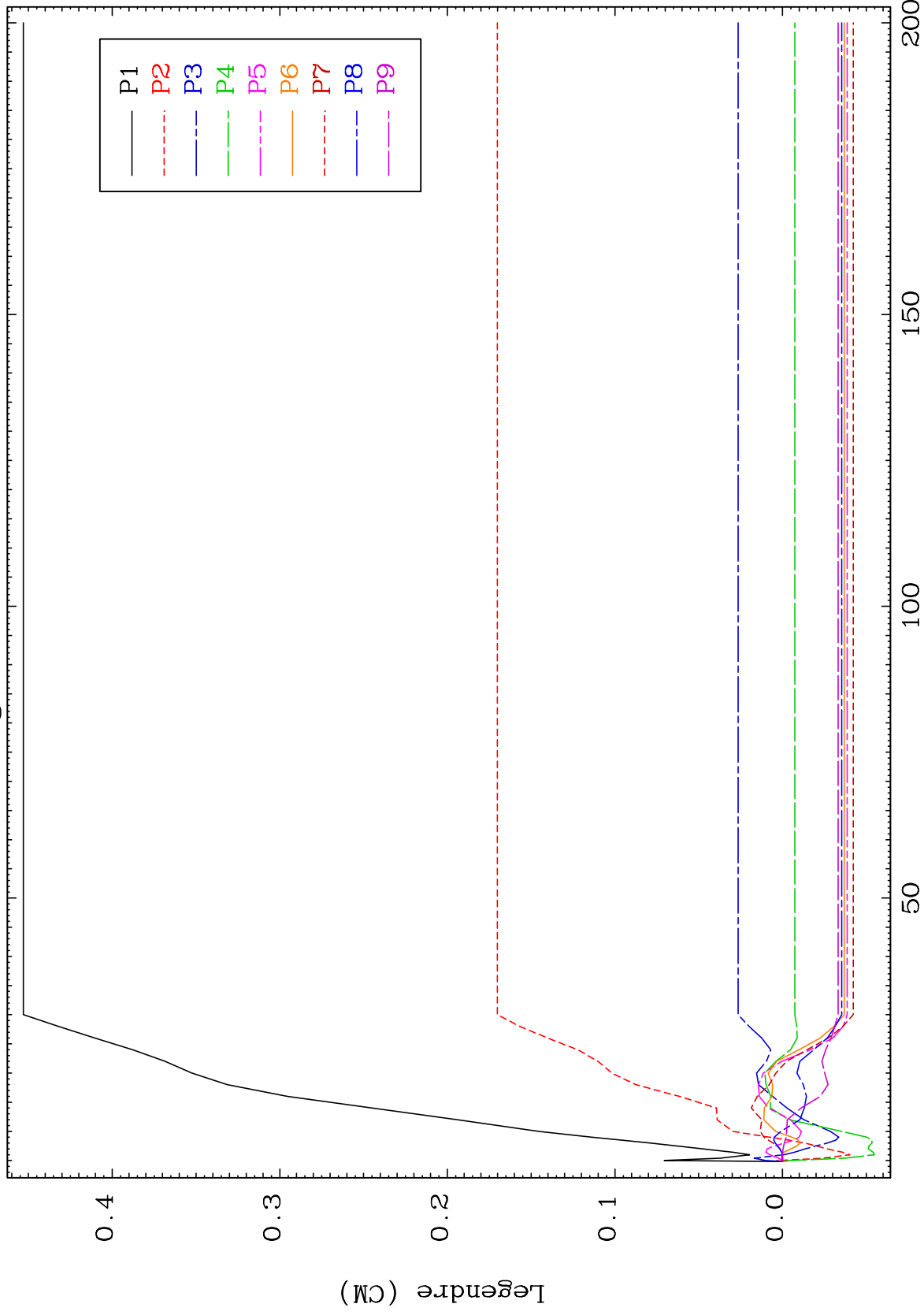
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

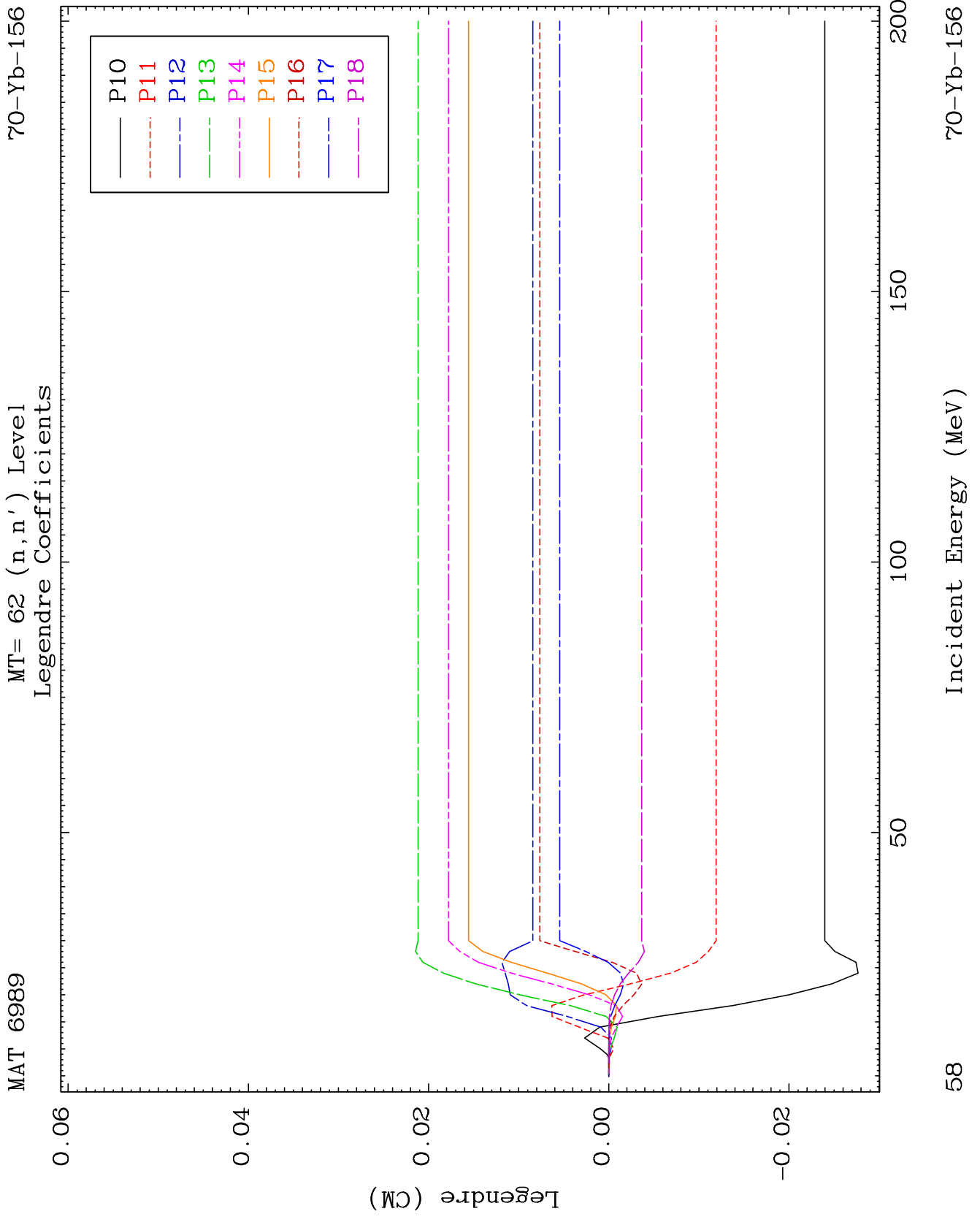
70-Yb-156



57

Incident Energy (MeV)

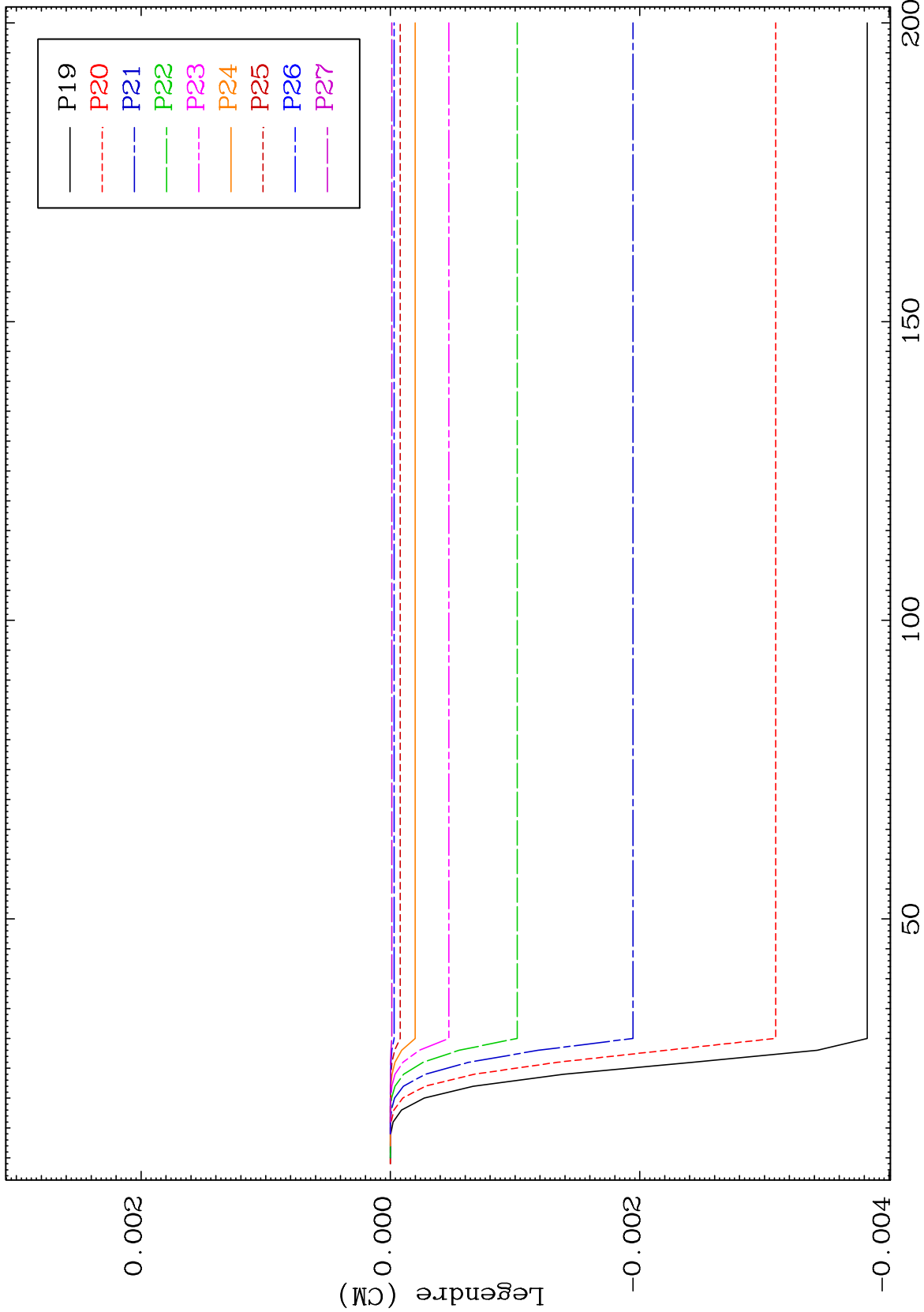
70-Yb-156



MAT 6989

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

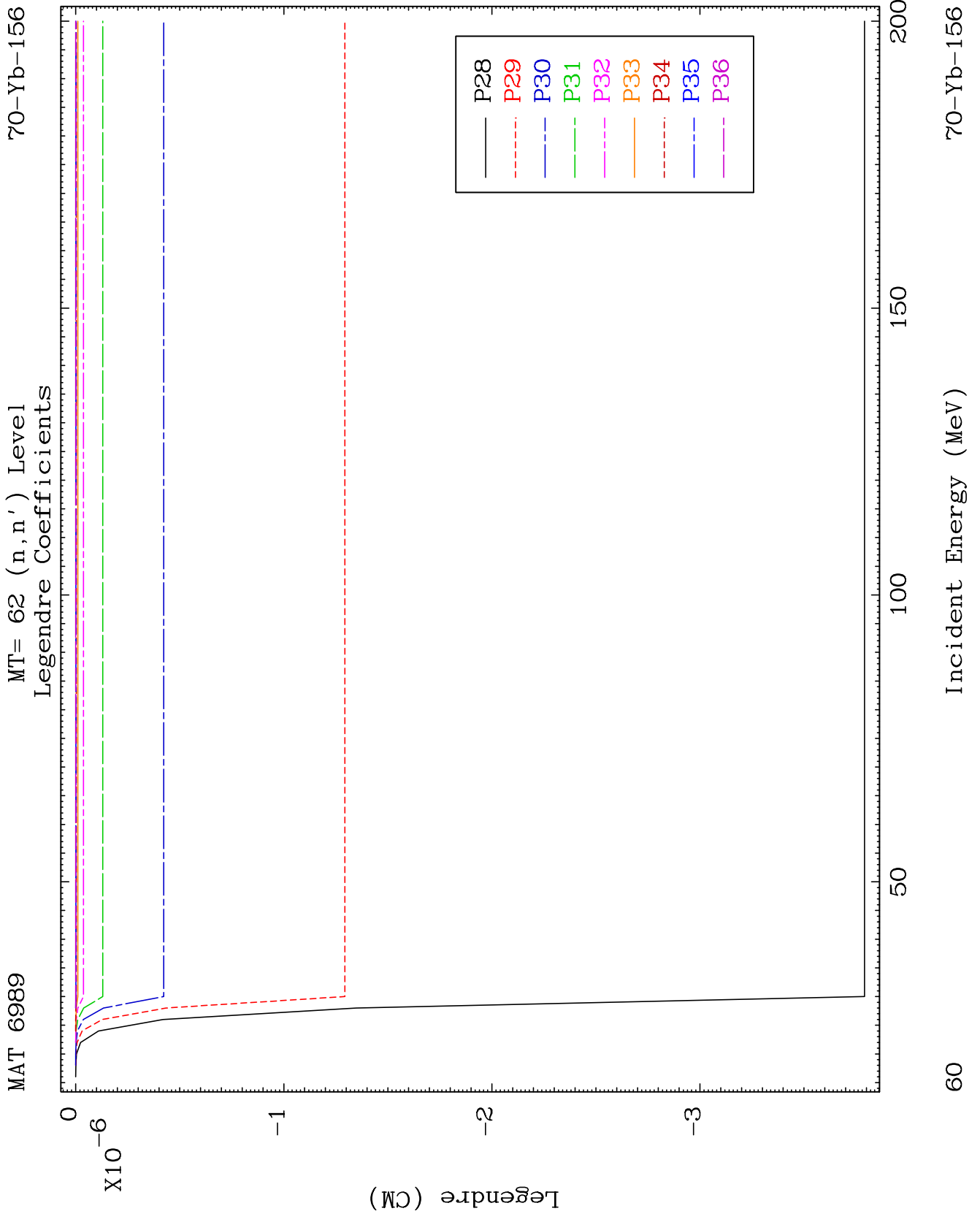
70-Yb-156



59

Incident Energy (MeV)

70-Yb-156

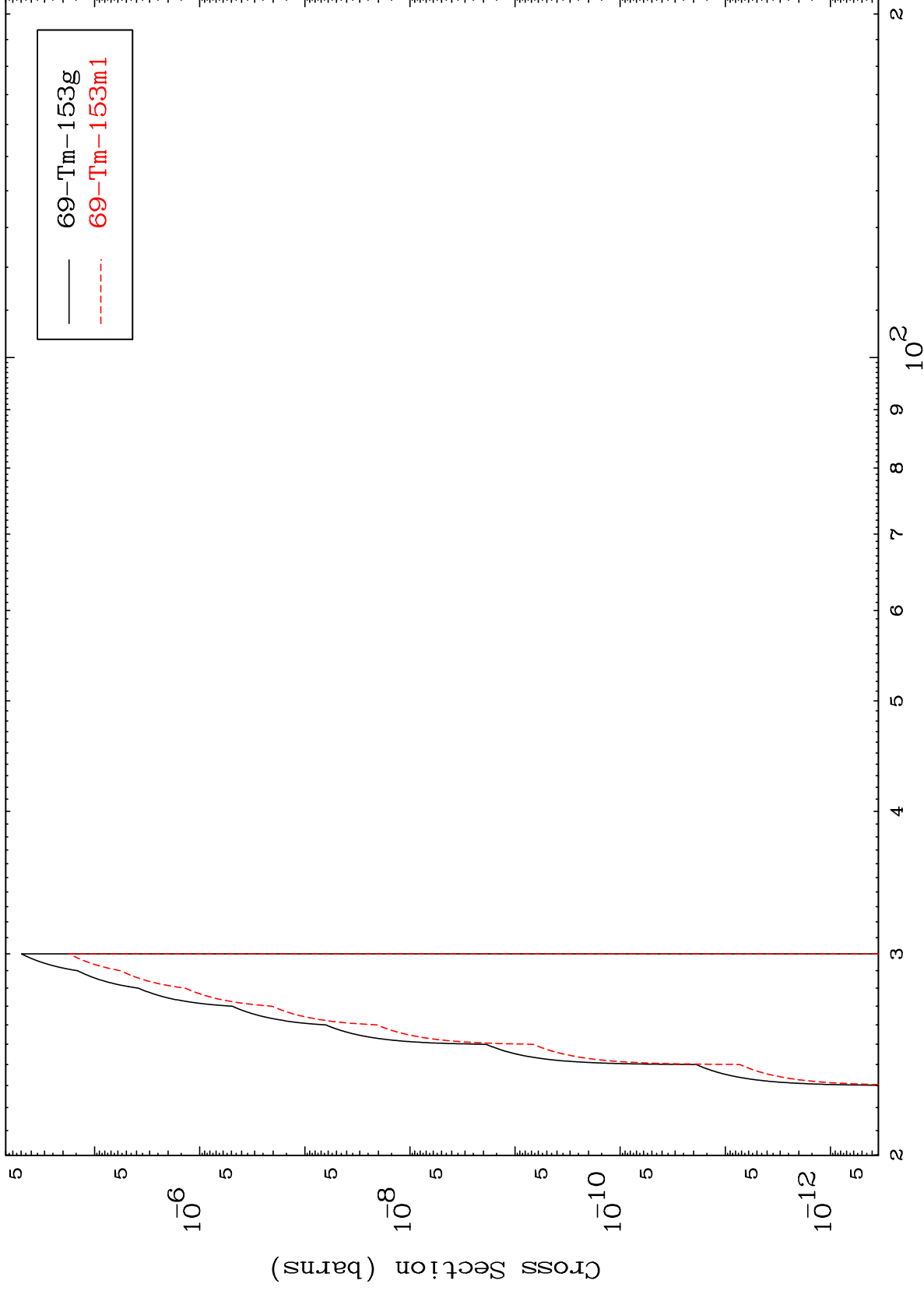


MAT 6989

(n,2n) d

70-Yb-156

Radionuclide Production Cross Section



61

Incident Energy (MeV)

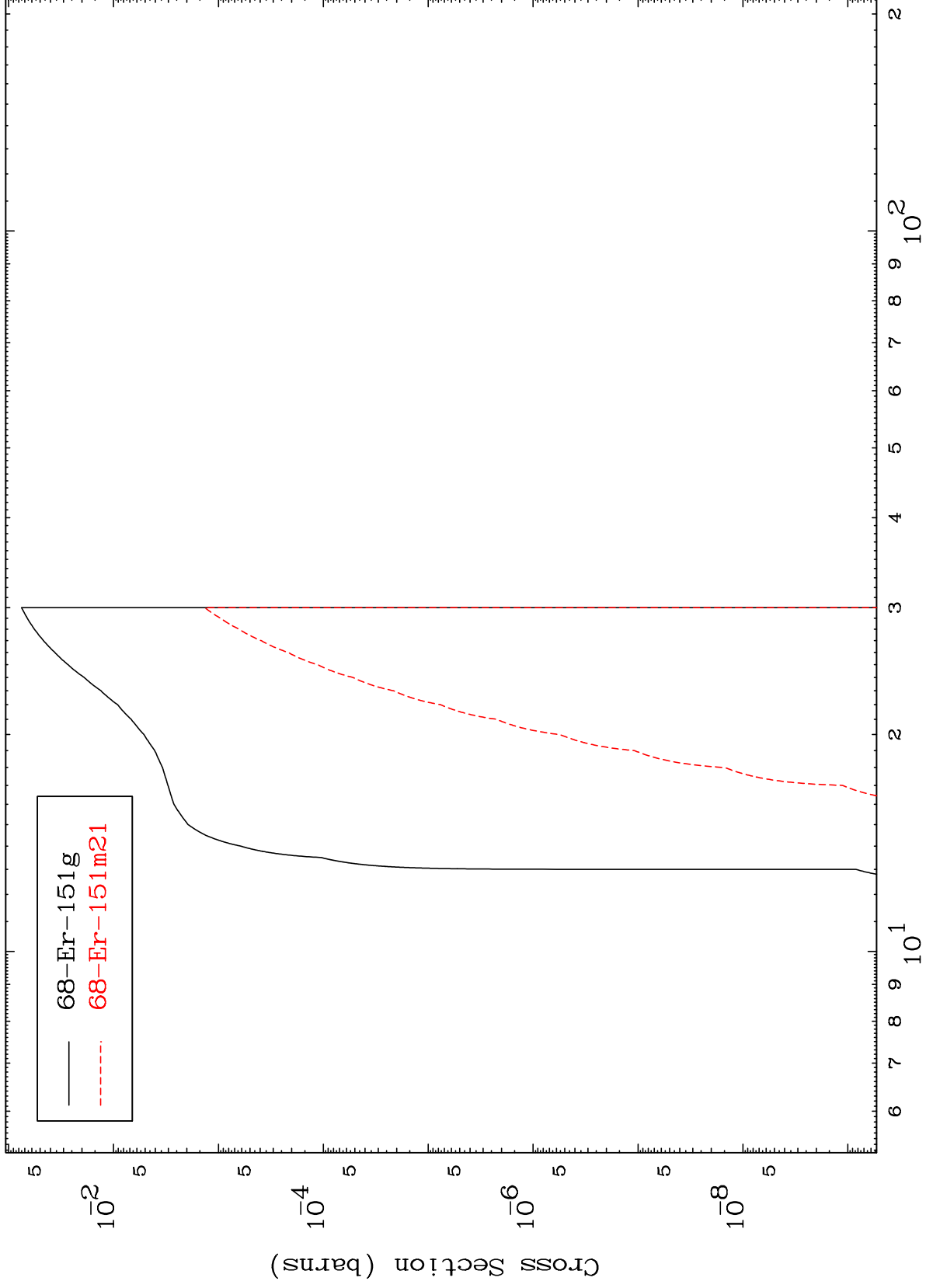
70-Yb-156

MAT 6989

(n,2n) α

70-Yb-156

Radionuclide Production Cross Section



62

Incident Energy (MeV)

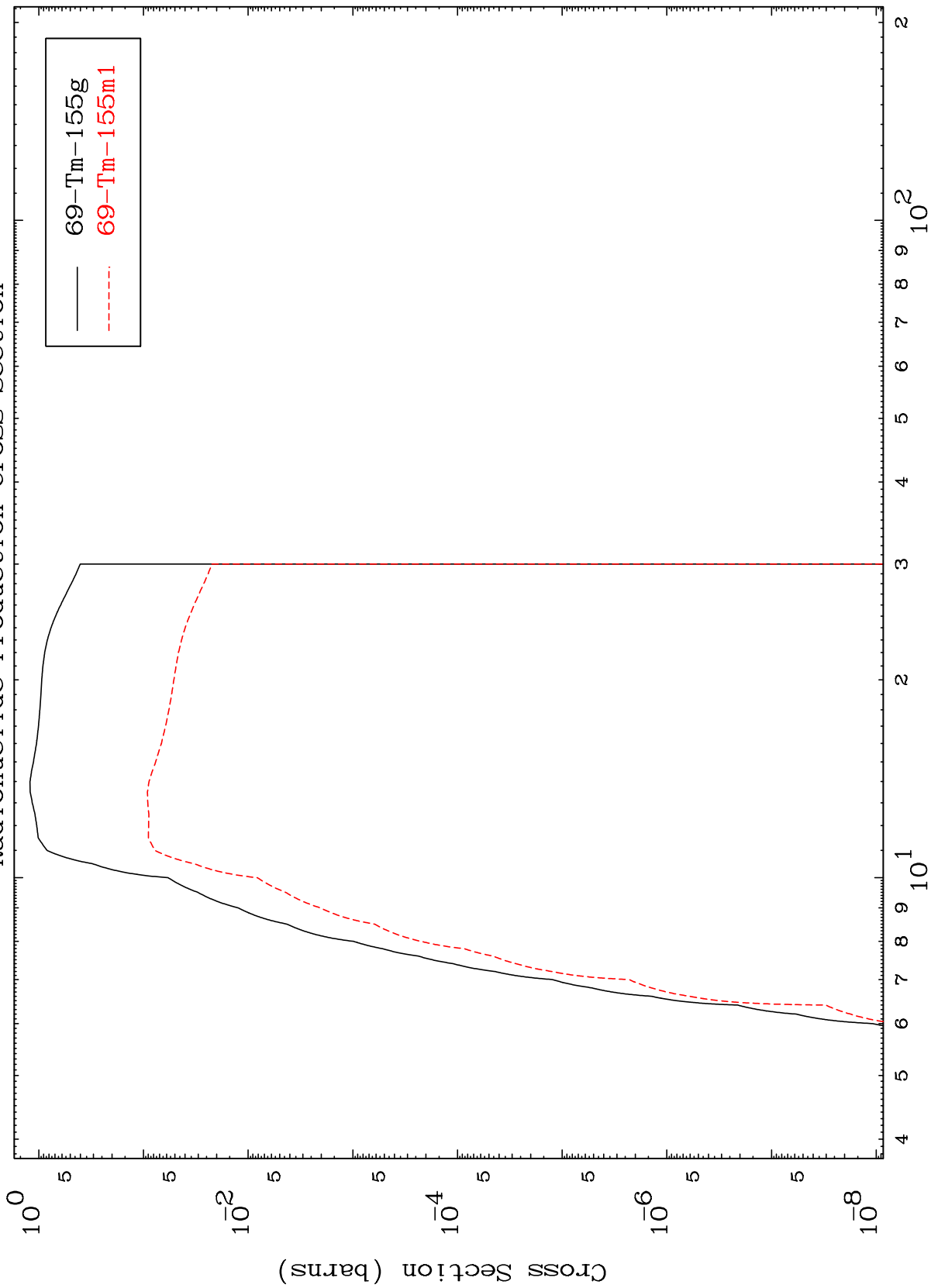
70-Yb-156

MAT 6989

(n, n') p

70-Yb-156

Radionuclide Production Cross Section



63

Incident Energy (MeV)

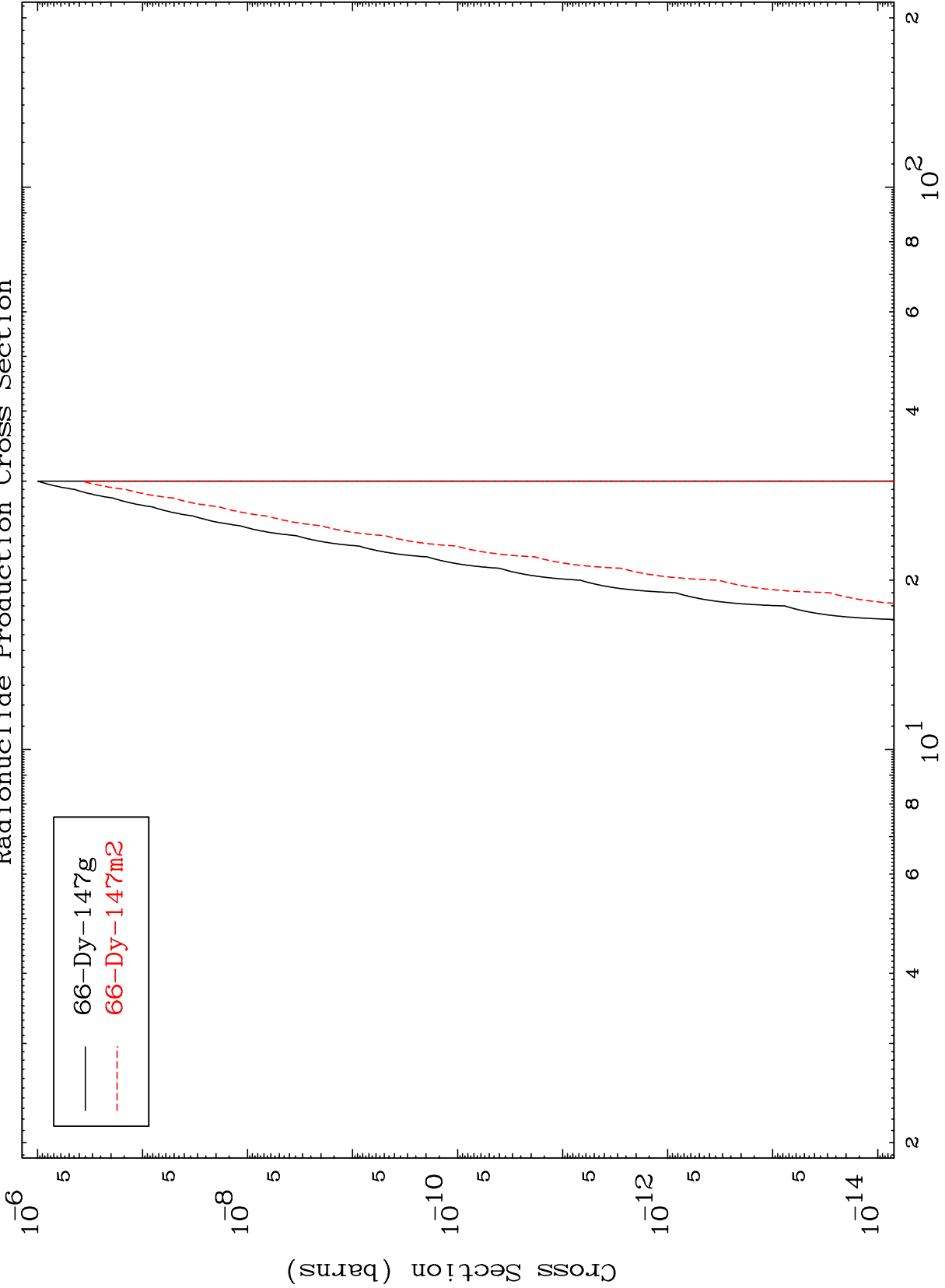
70-Yb-156

MAT 6989

(n,2n) 2 α

70-Yb-156

Radionuclide Production Cross Section



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

64

Incident Energy (MeV)

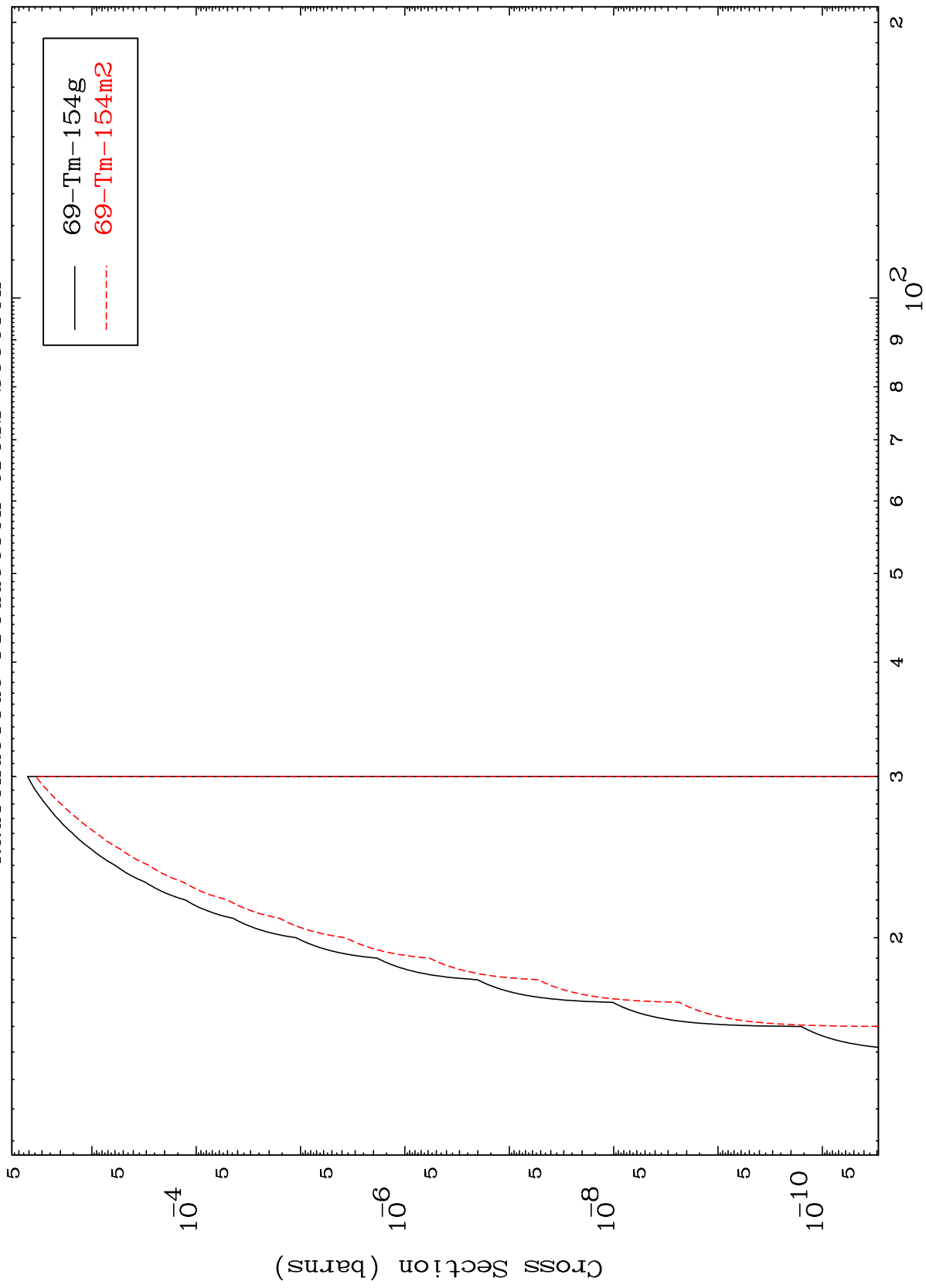
70-Yb-156

MAT 6989

(n,n') d

70-Yb-156

Radionuclide Production Cross Section



65

Incident Energy (MeV)

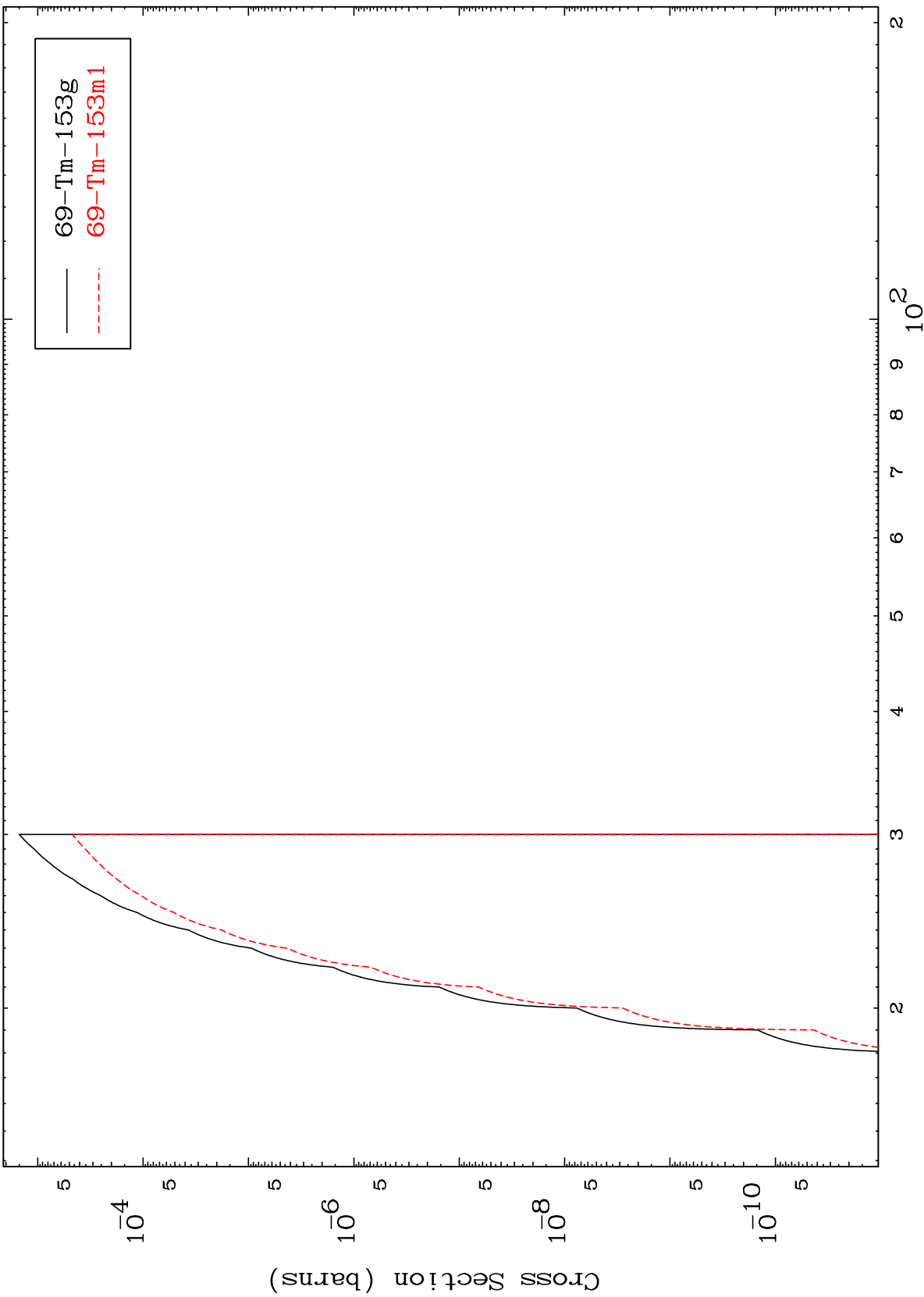
70-Yb-156

MAT 6989

(n,n') t

70-Yb-156

Radionuclide Production Cross Section



66

Incident Energy (MeV)

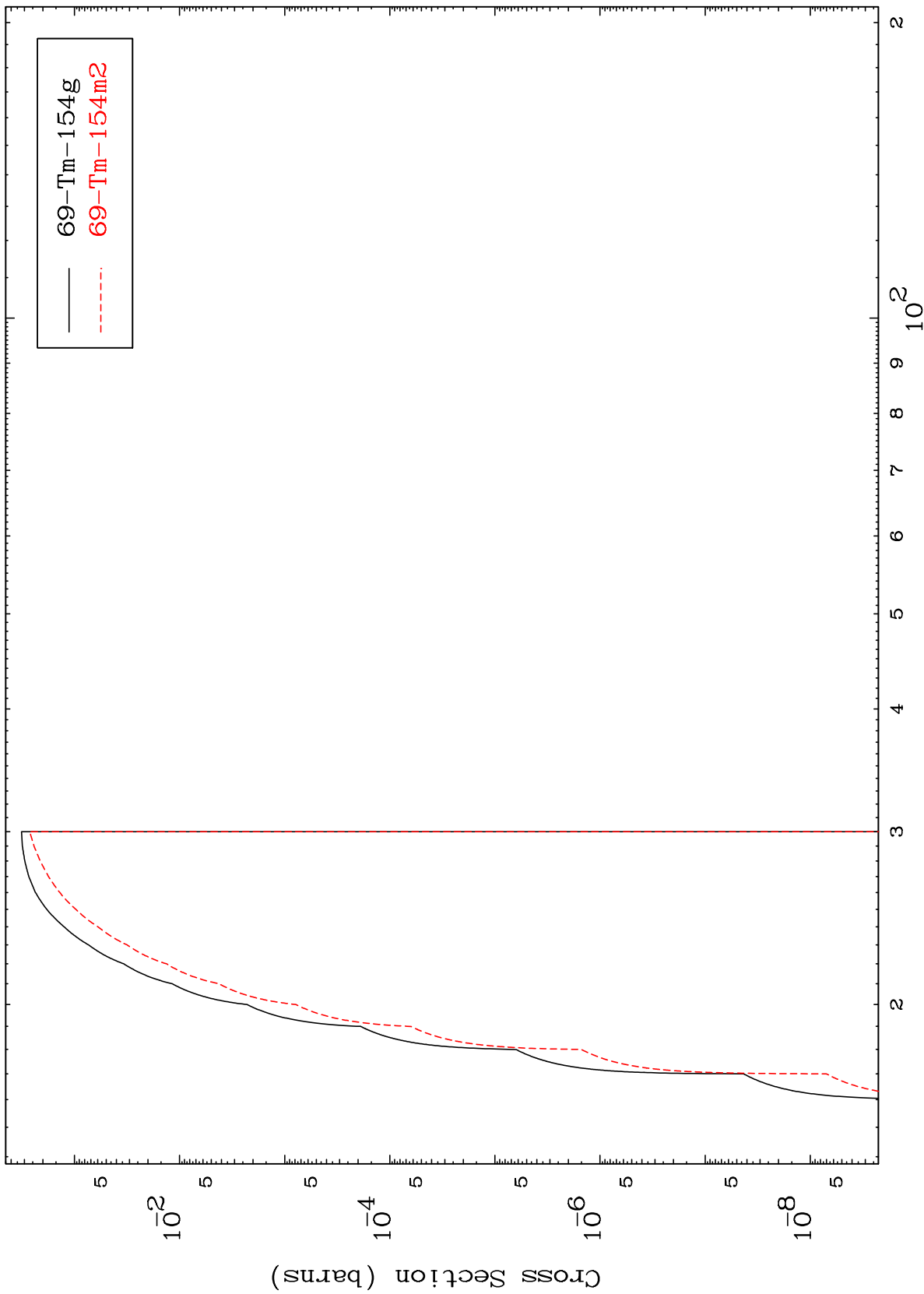
70-Yb-156

MAT 6989

(n,2n) p

70-Yb-156

Radionuclide Production Cross Section



67

Incident Energy (MeV)

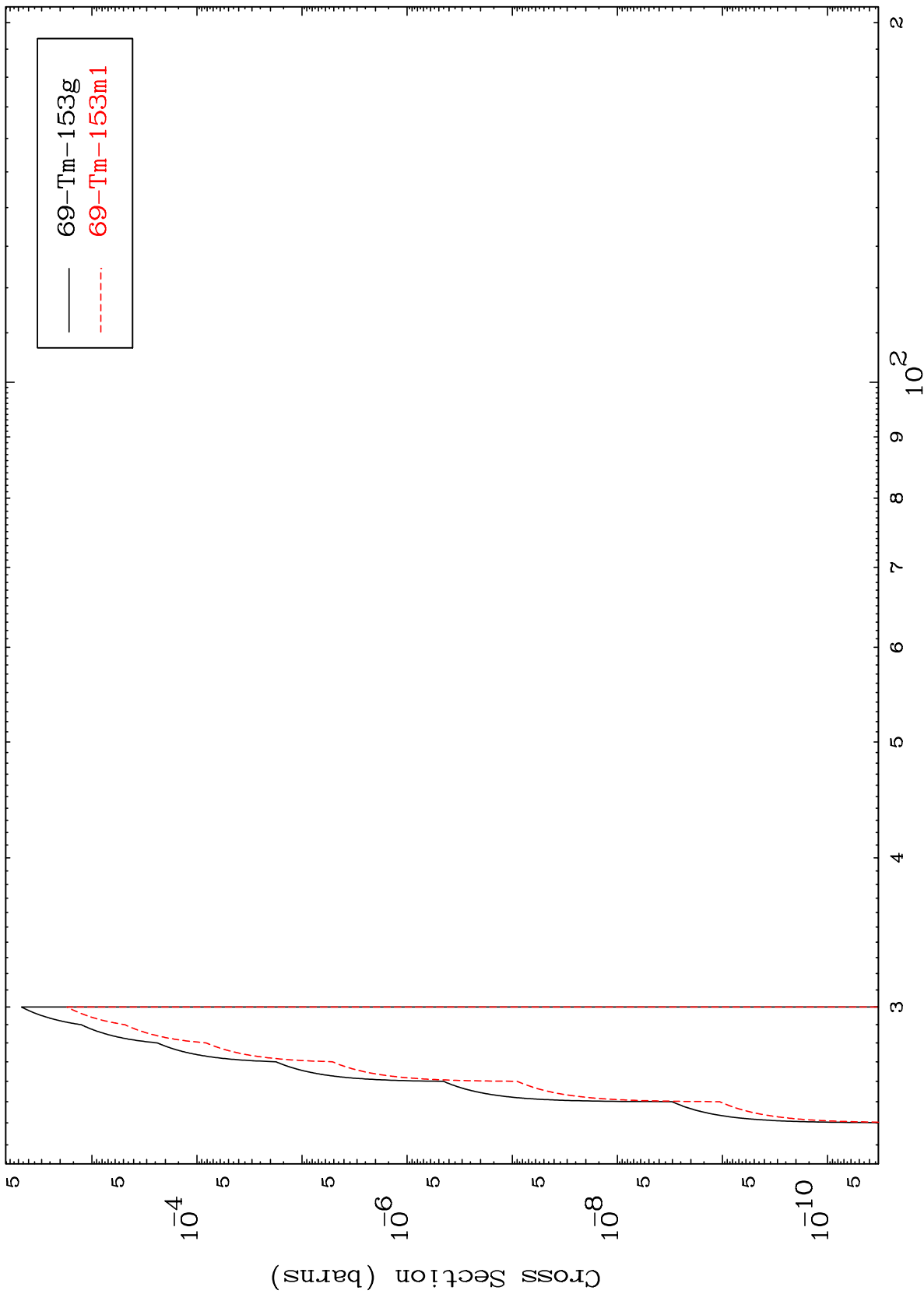
70-Yb-156

MAT 6989

(n,3n) p

70-Yb-156

Radionuclide Production Cross Section



68

Incident Energy (MeV)

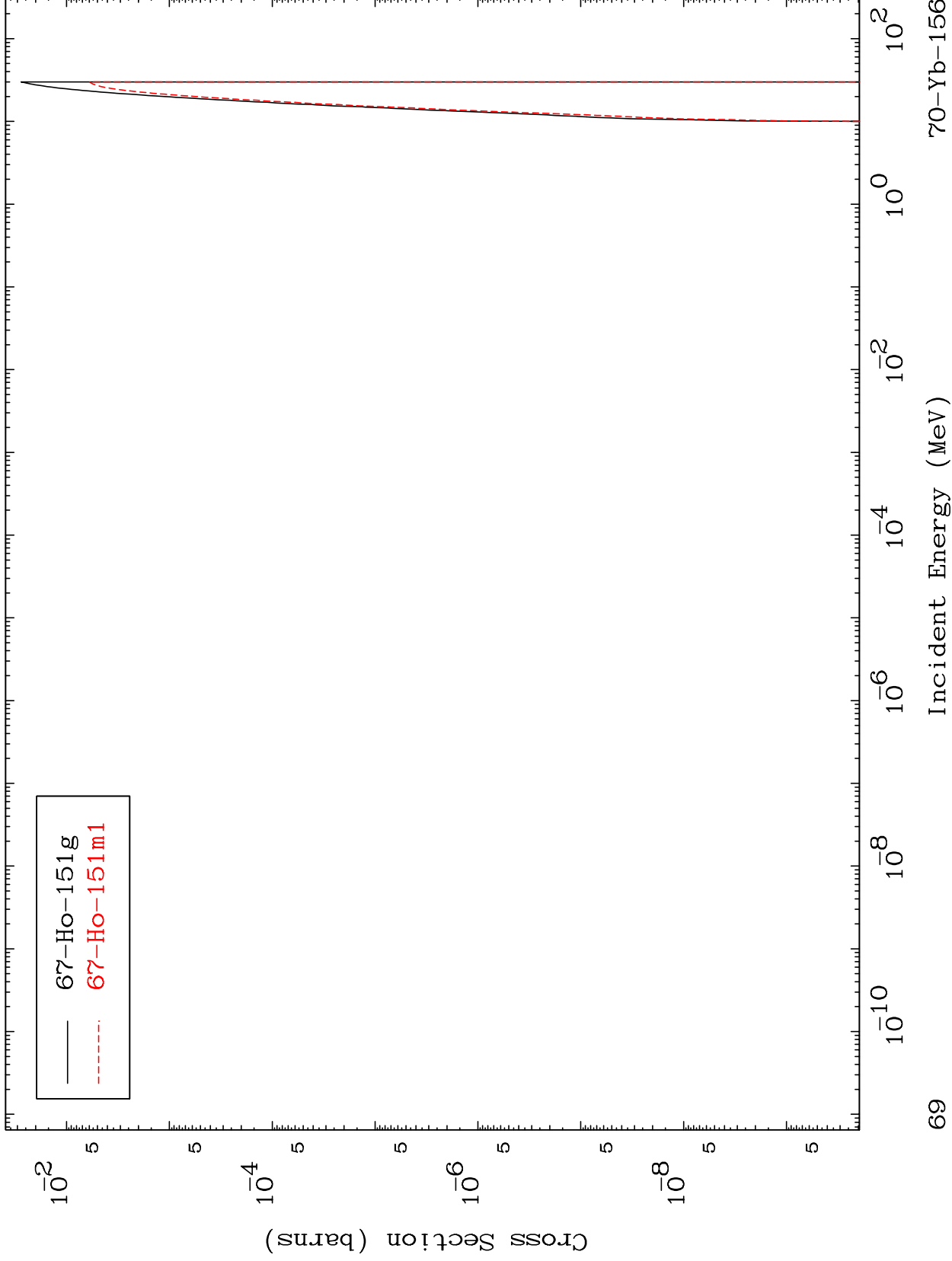
70-Yb-156

MAT 6989

(n,n') p α

70-Yb-156

Radionuclide Production Cross Section



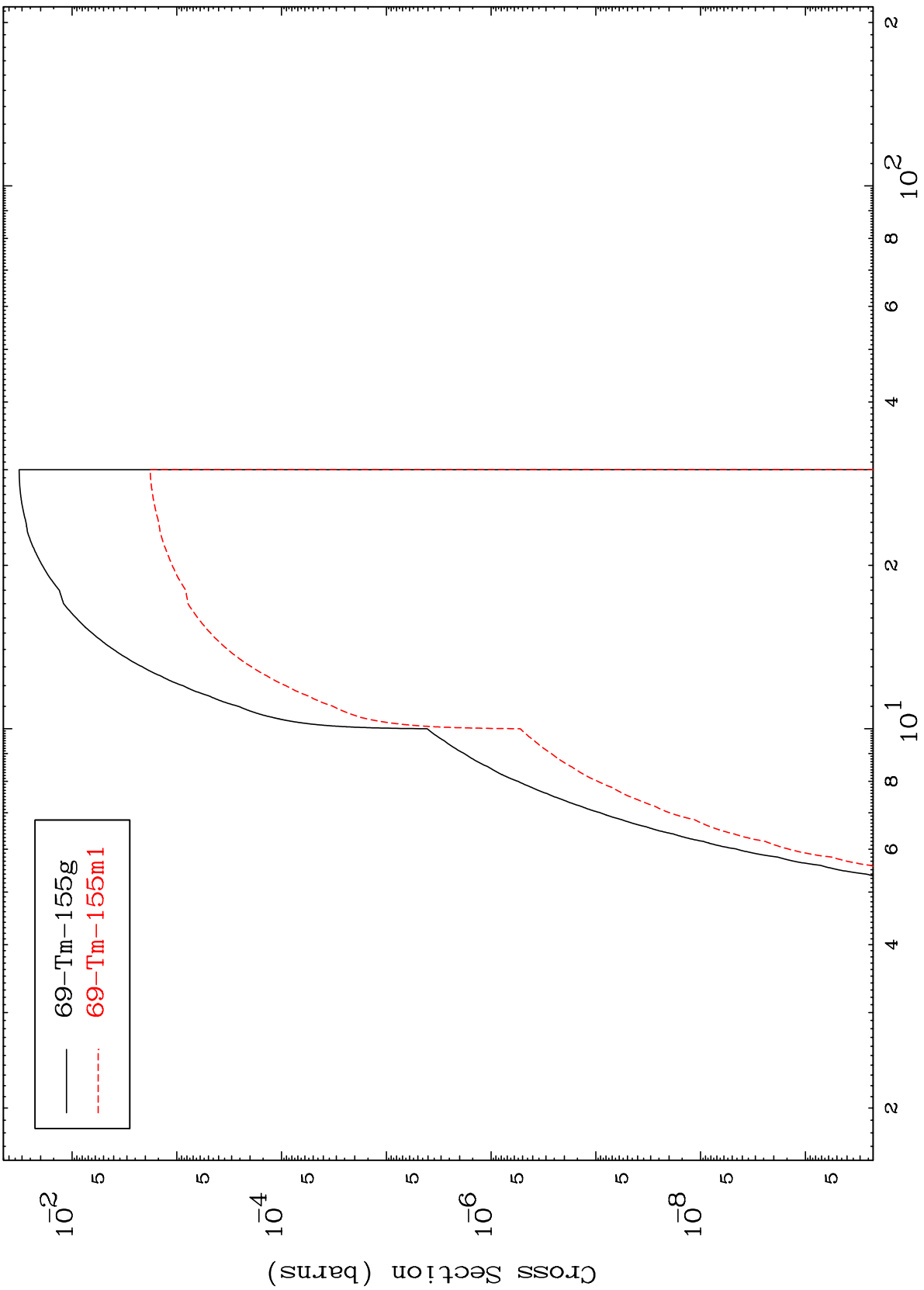
— 67-Ho-151g
- - - 67-Ho-151m1

MAT 6989

(n,d)

70-Yb-156

Radionuclide Production Cross Section



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

70

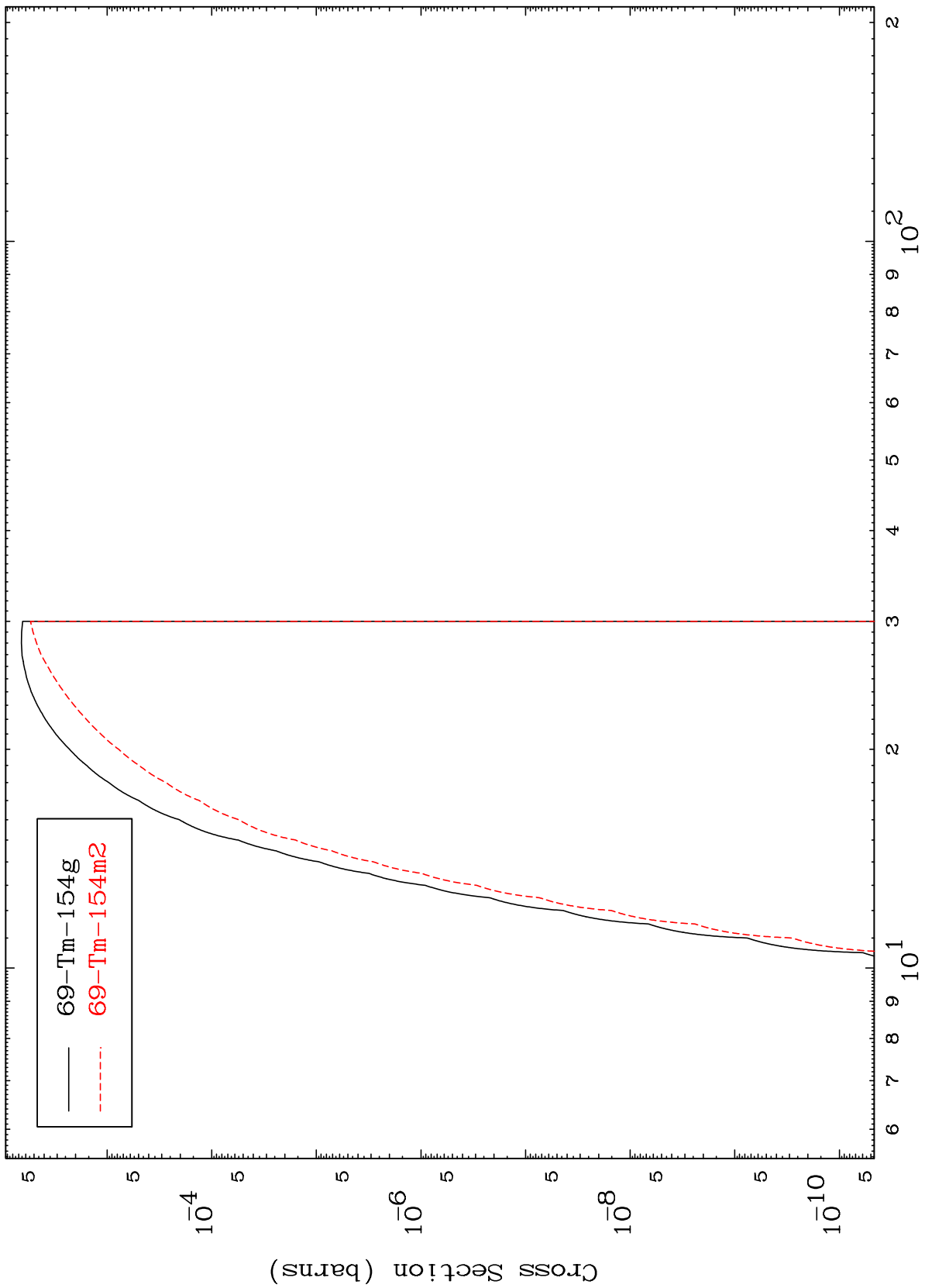
Incident Energy (MeV)

70-Yb-156

MAT 6989

70-Yb-156

(n, t)
Radionuclide Production Cross Section



— 69-Tm-154g
- - - 69-Tm-154m2

71

Incident Energy (MeV)

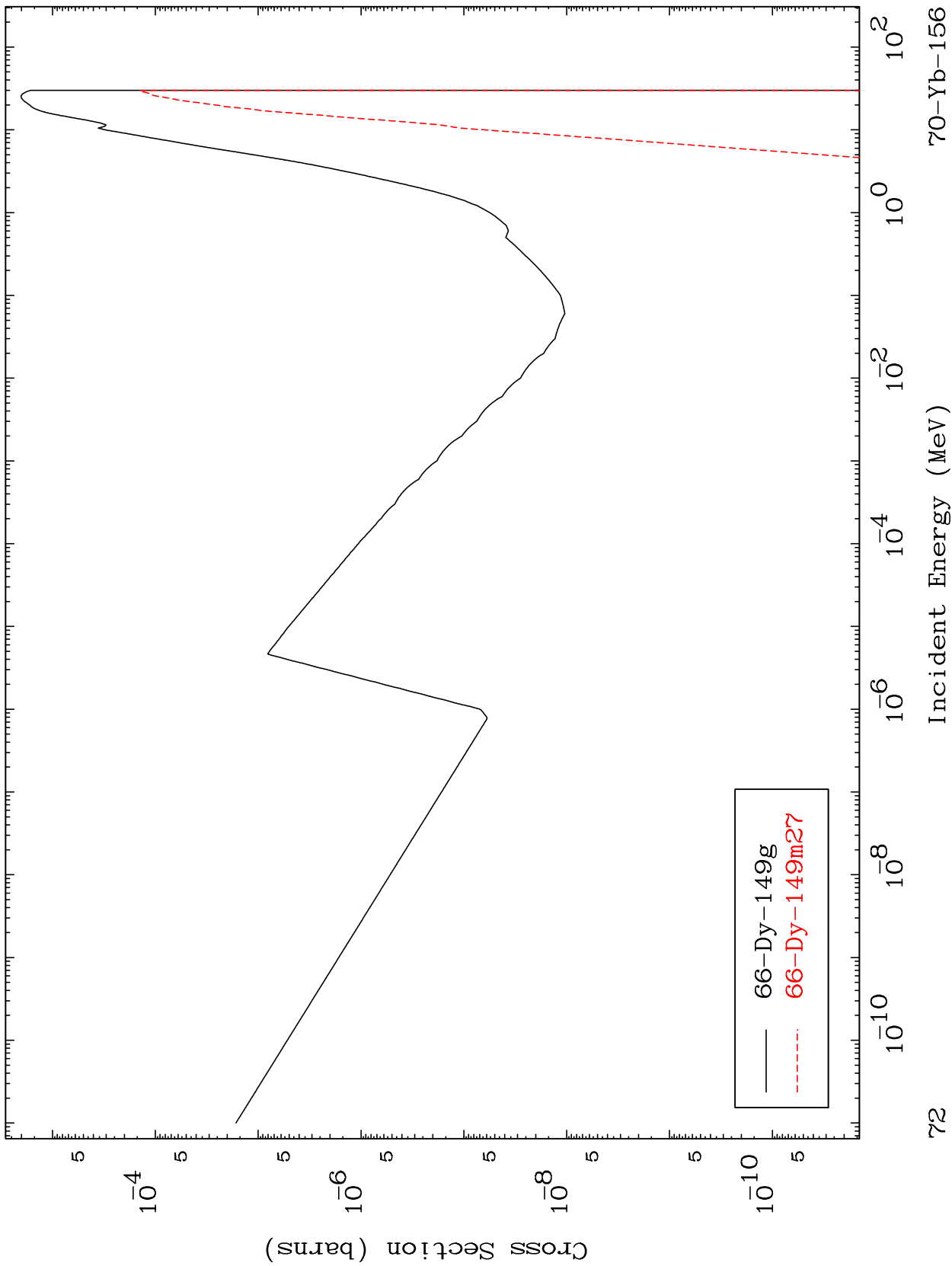
70-Yb-156

MAT 6989

(n,2α)

70-Yb-156

Radionuclide Production Cross Section

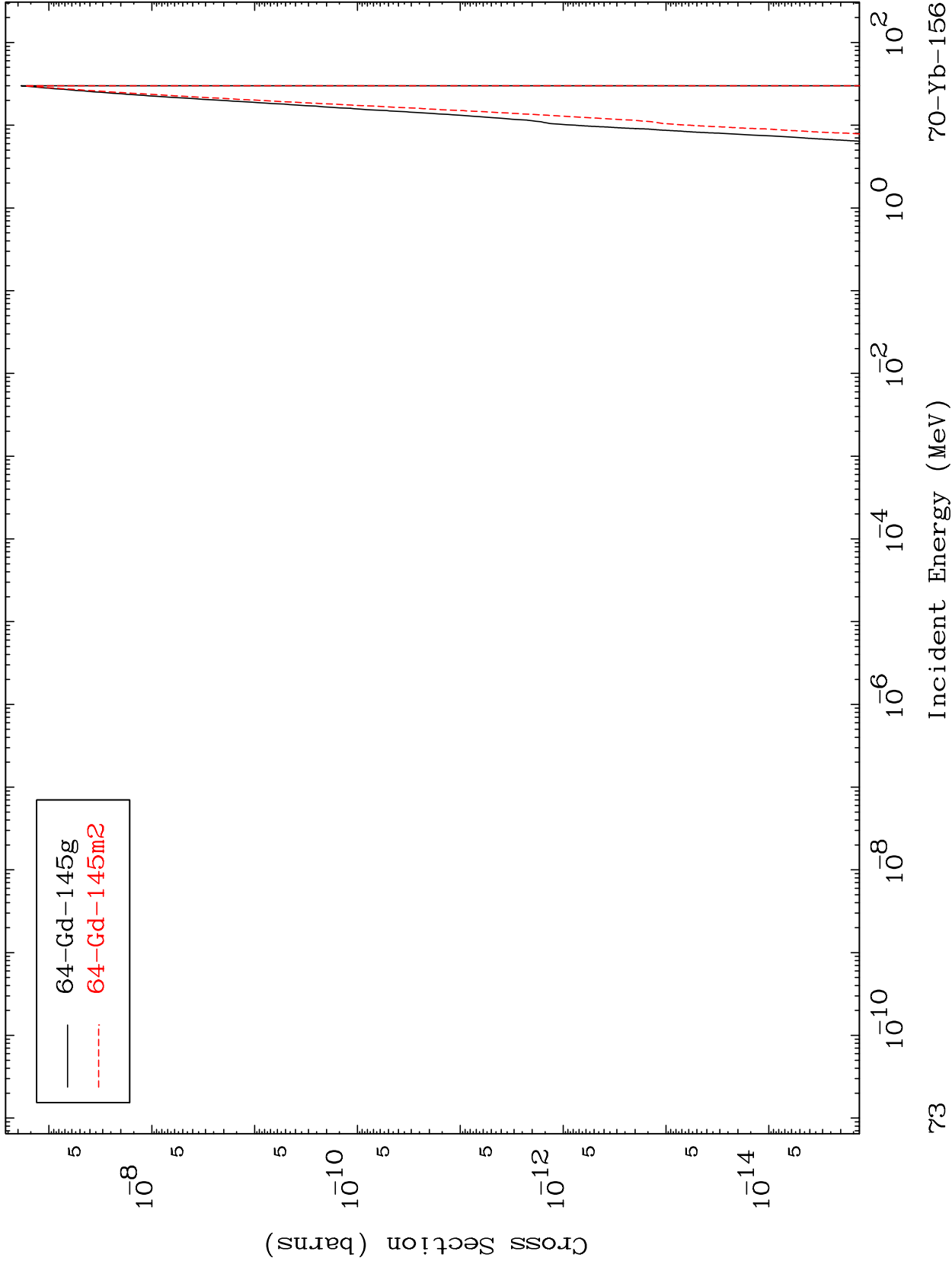


MAT 6989

(n, 3α)

70-Yb-156

Radionuclide Production Cross Section



73

Incident Energy (MeV)

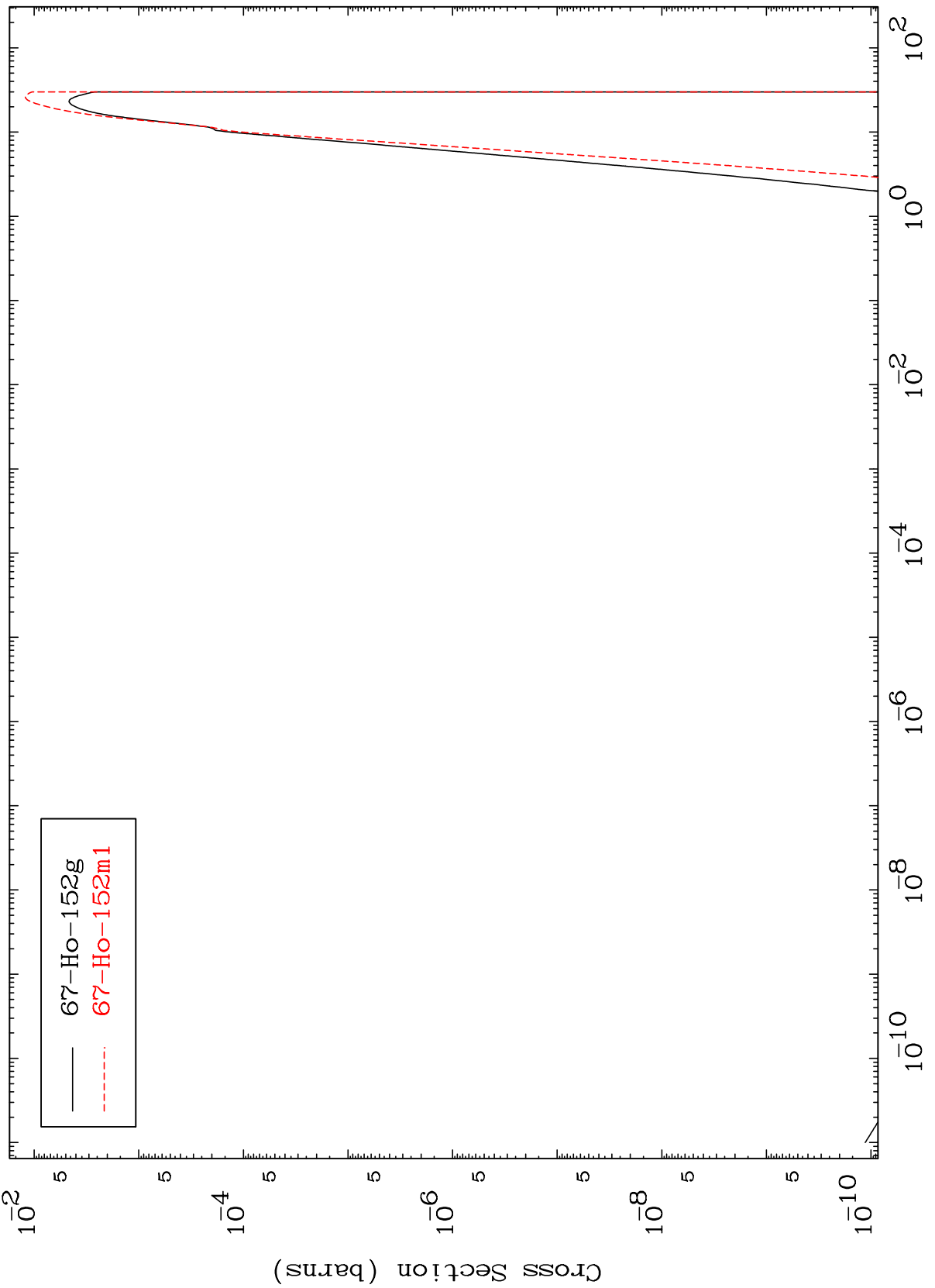
70-Yb-156

MAT 6989

(n,p) α

70-Yb-156

Radionuclide Production Cross Section

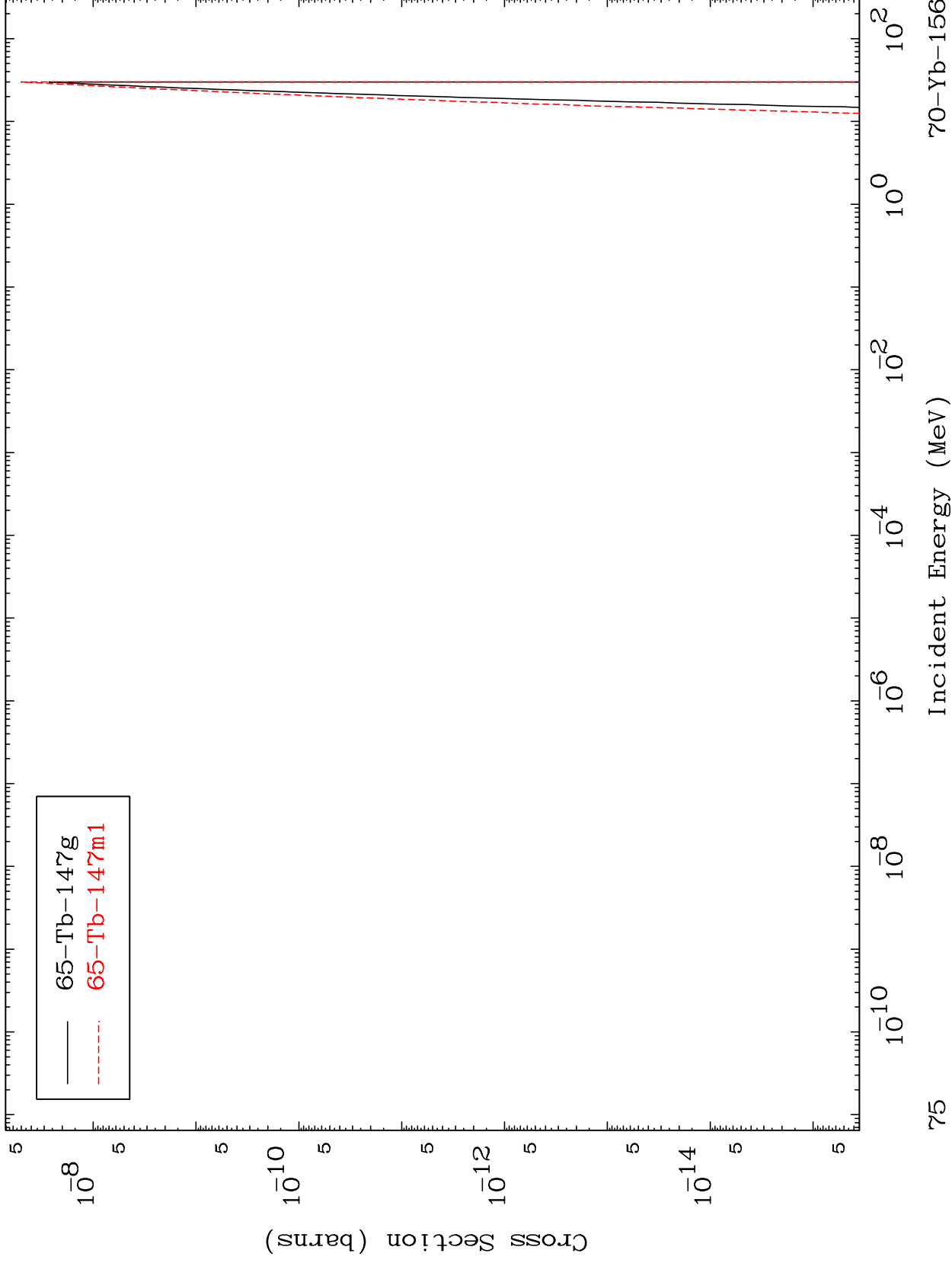


MAT 6989

(n,d) 2 α

70-Yb-156

Radionuclide Production Cross Section

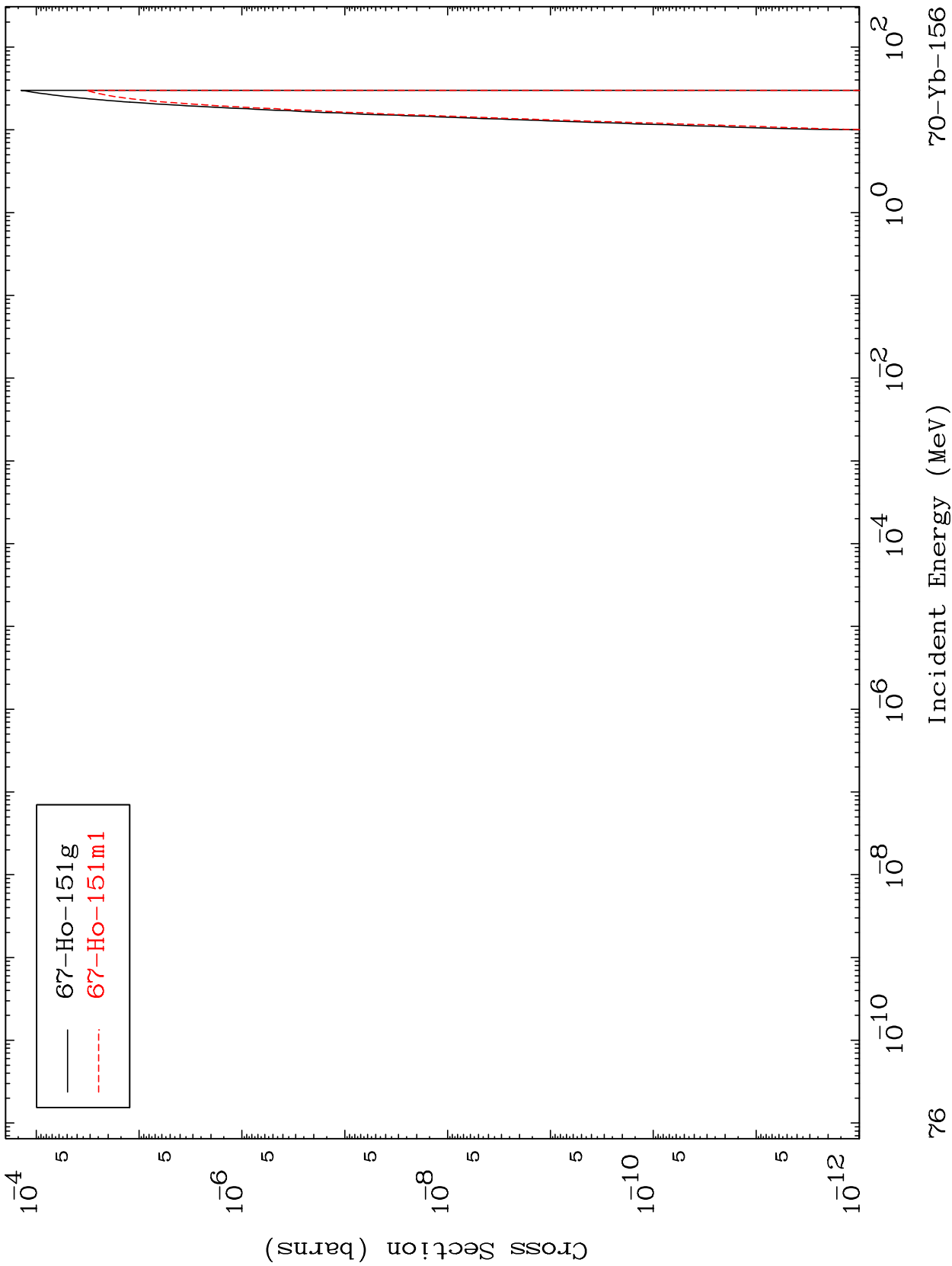


MAT 6989

(n,d) α

70-Yb-156

Radionuclide Production Cross Section



76

Incident Energy (MeV)

70-Yb-156