

Program EVALPLOT  
(Version 2021-1)

by

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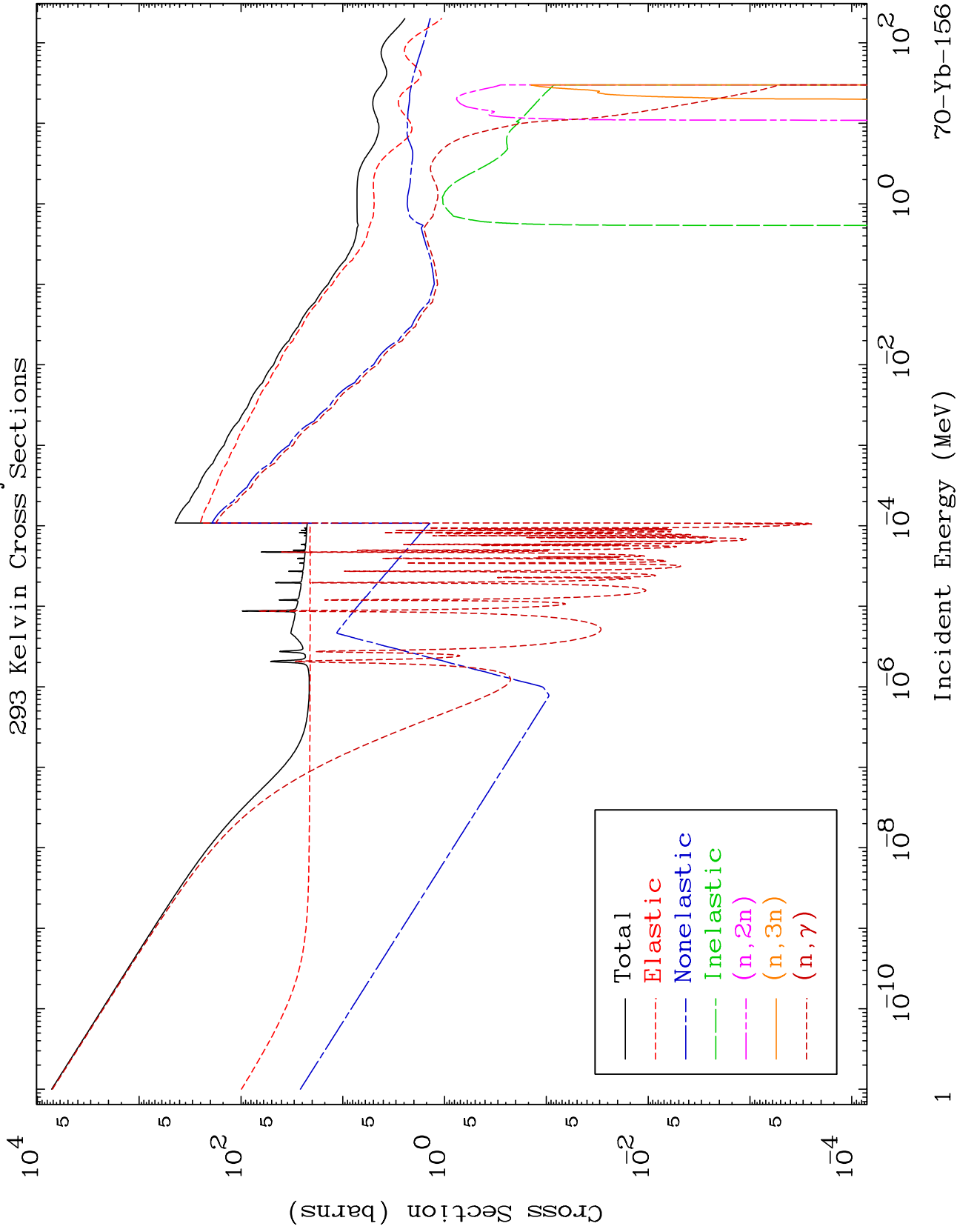
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6989

Neutron Major  
293 Kelvin Cross Sections

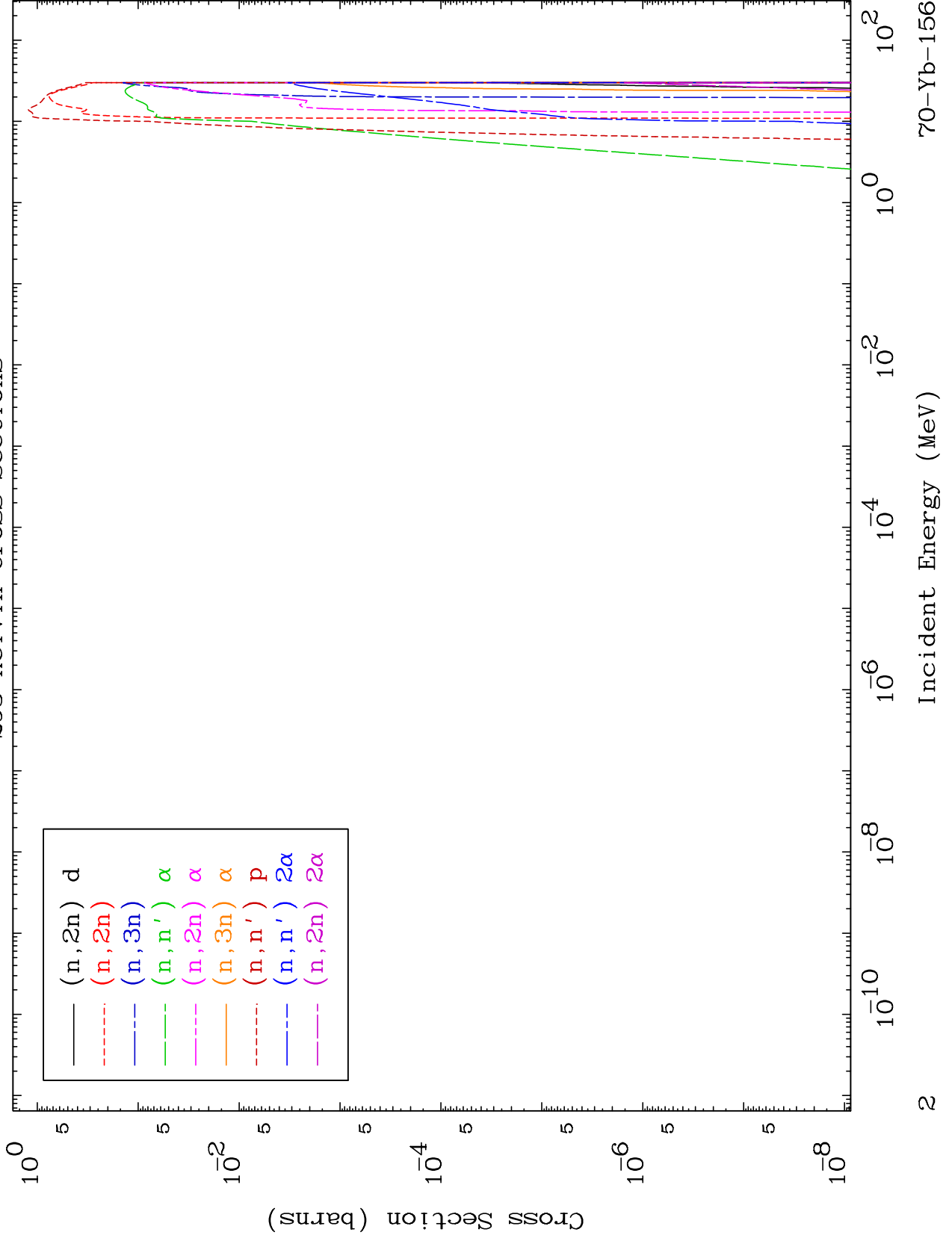
70-Yb-156



MAT 6989

Neutron Absorption  
293 Kelvin Cross Sections

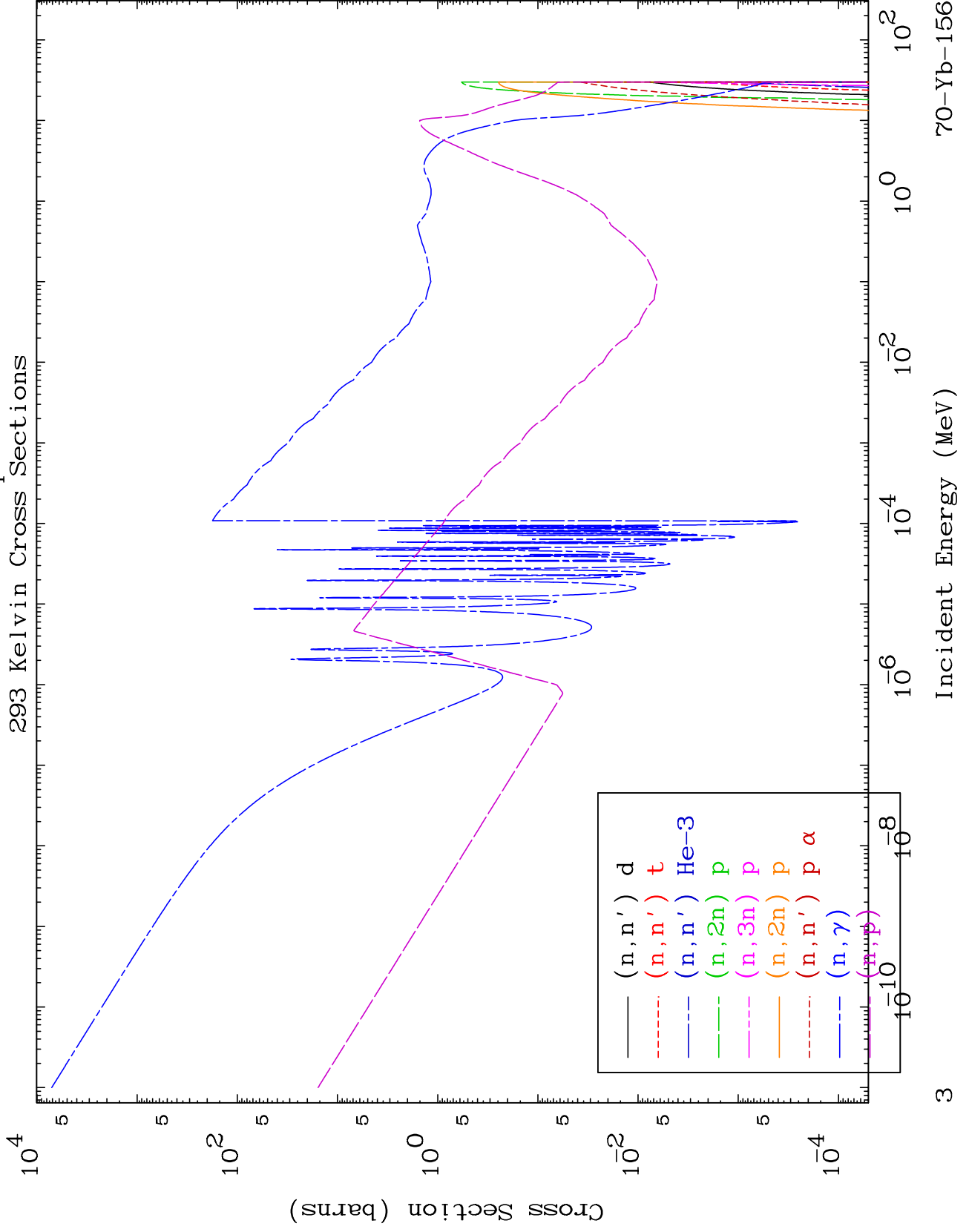
70-Yb-156



MAT 6989

Neutron Absorption  
293 Kelvin Cross Sections

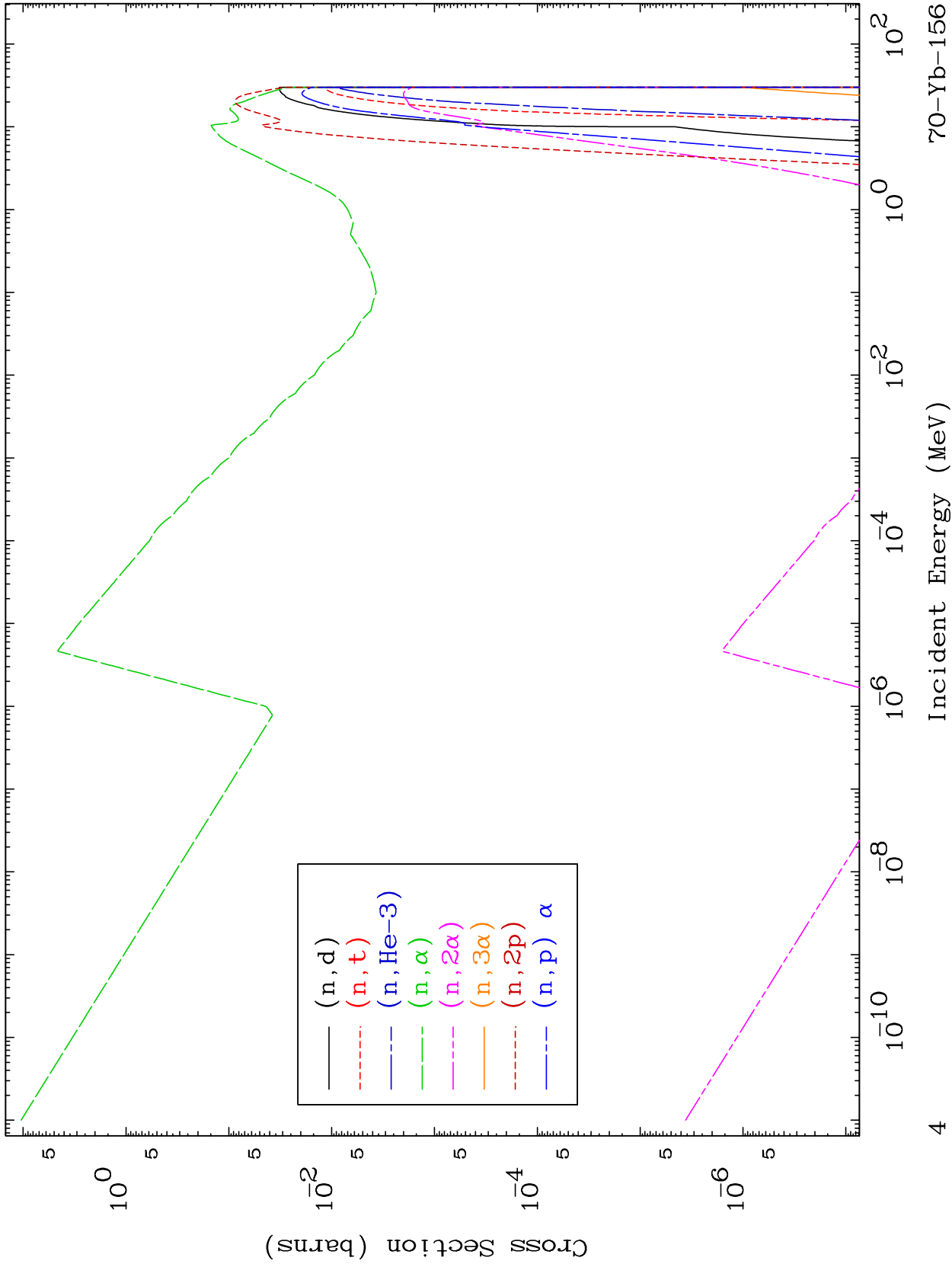
70-Yb-156

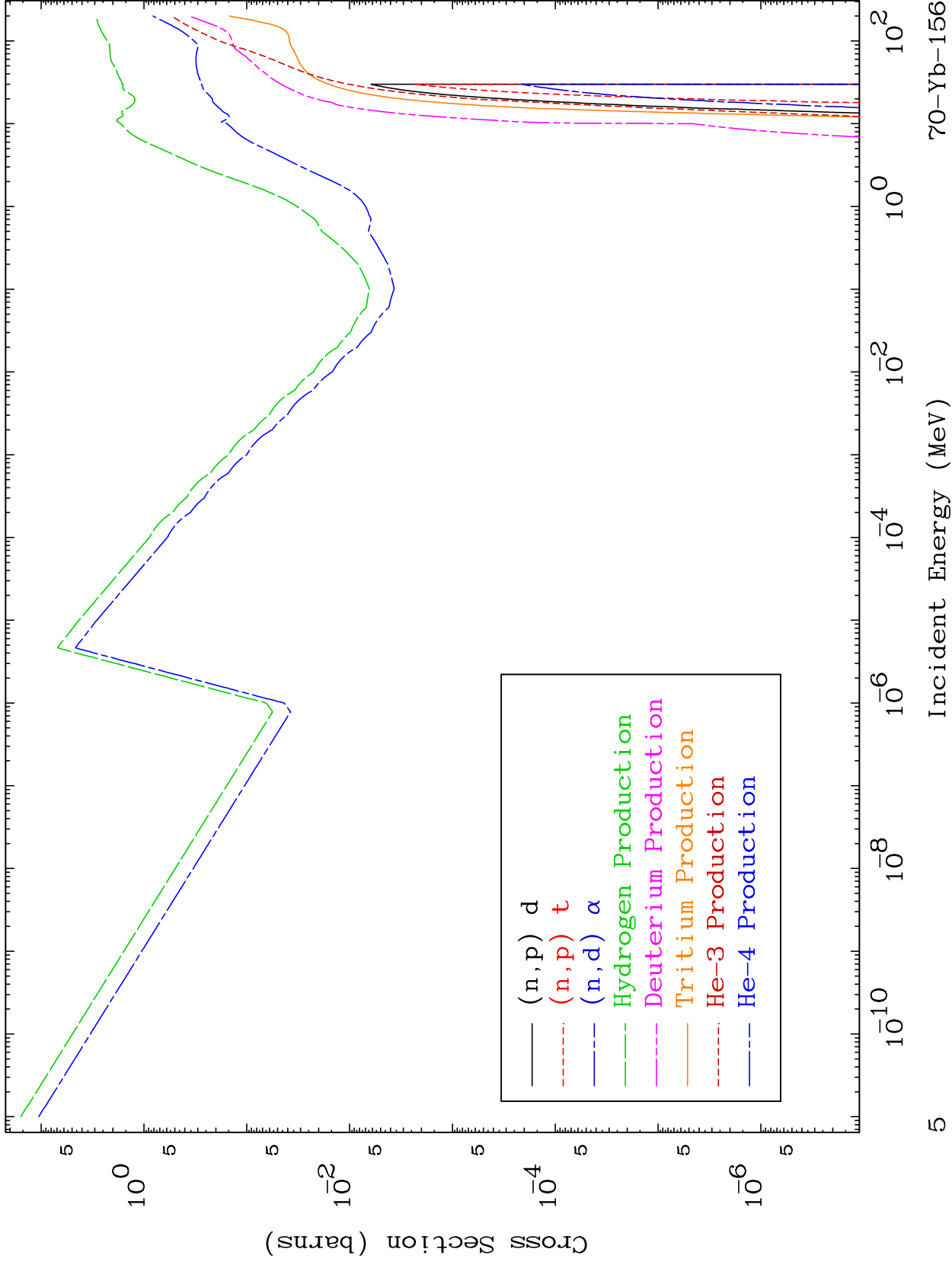


MAT 6989

Neutron Absorption  
293 Kelvin Cross Sections

70-Yb-156

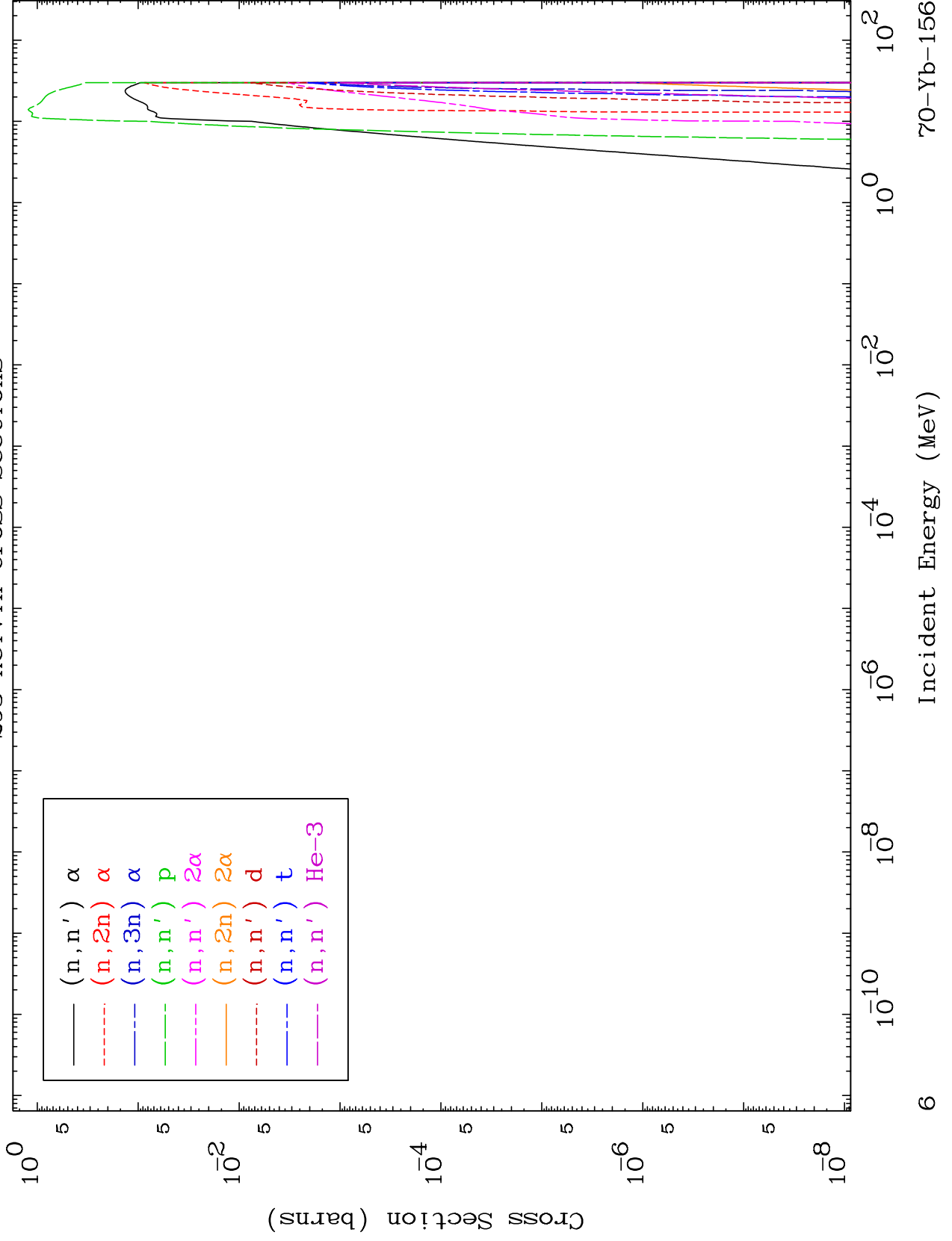




MAT 6989

Charged Particle  
293 Kelvin Cross Sections

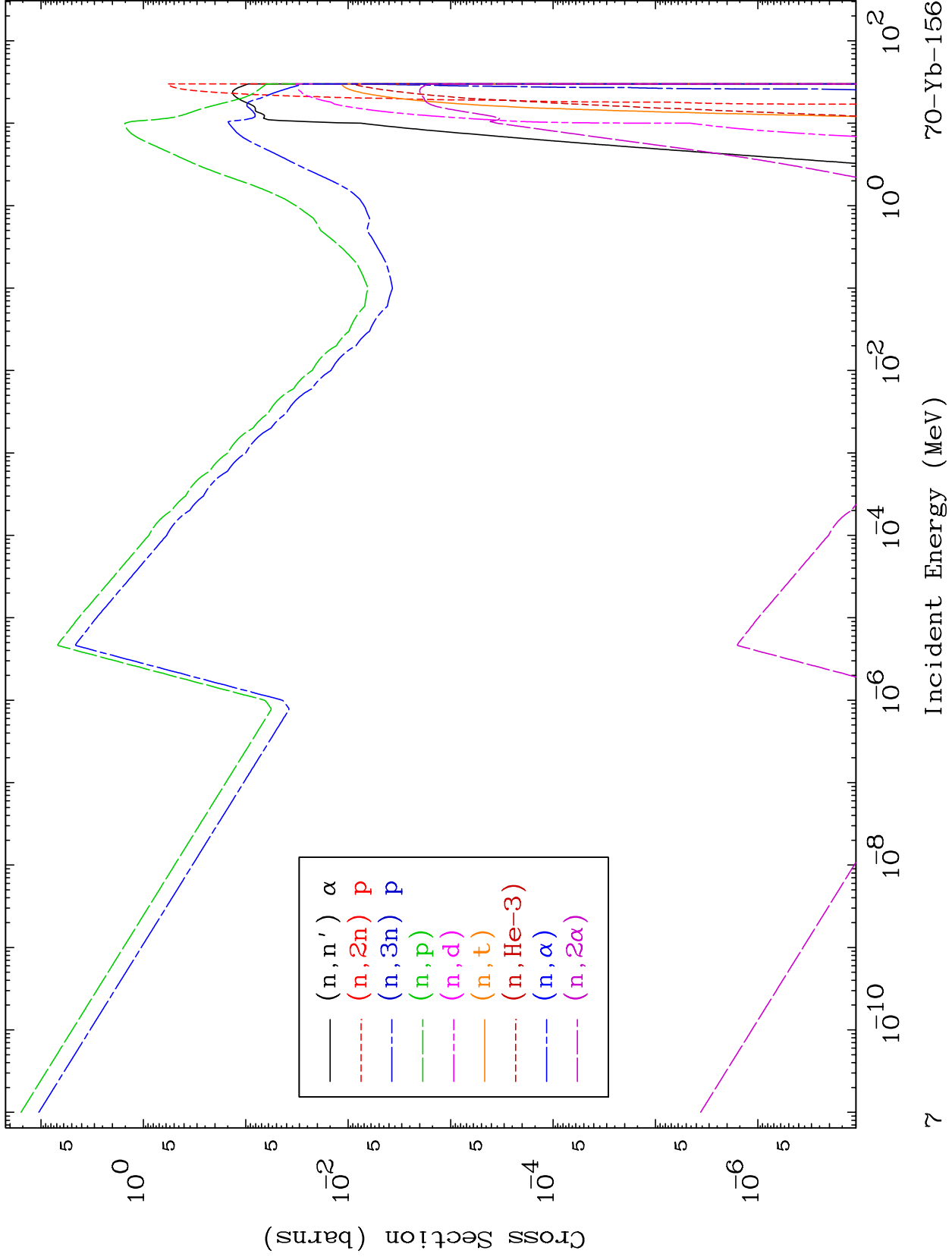
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MAT 6989

Charged Particle  
293 Kelvin Cross Sections

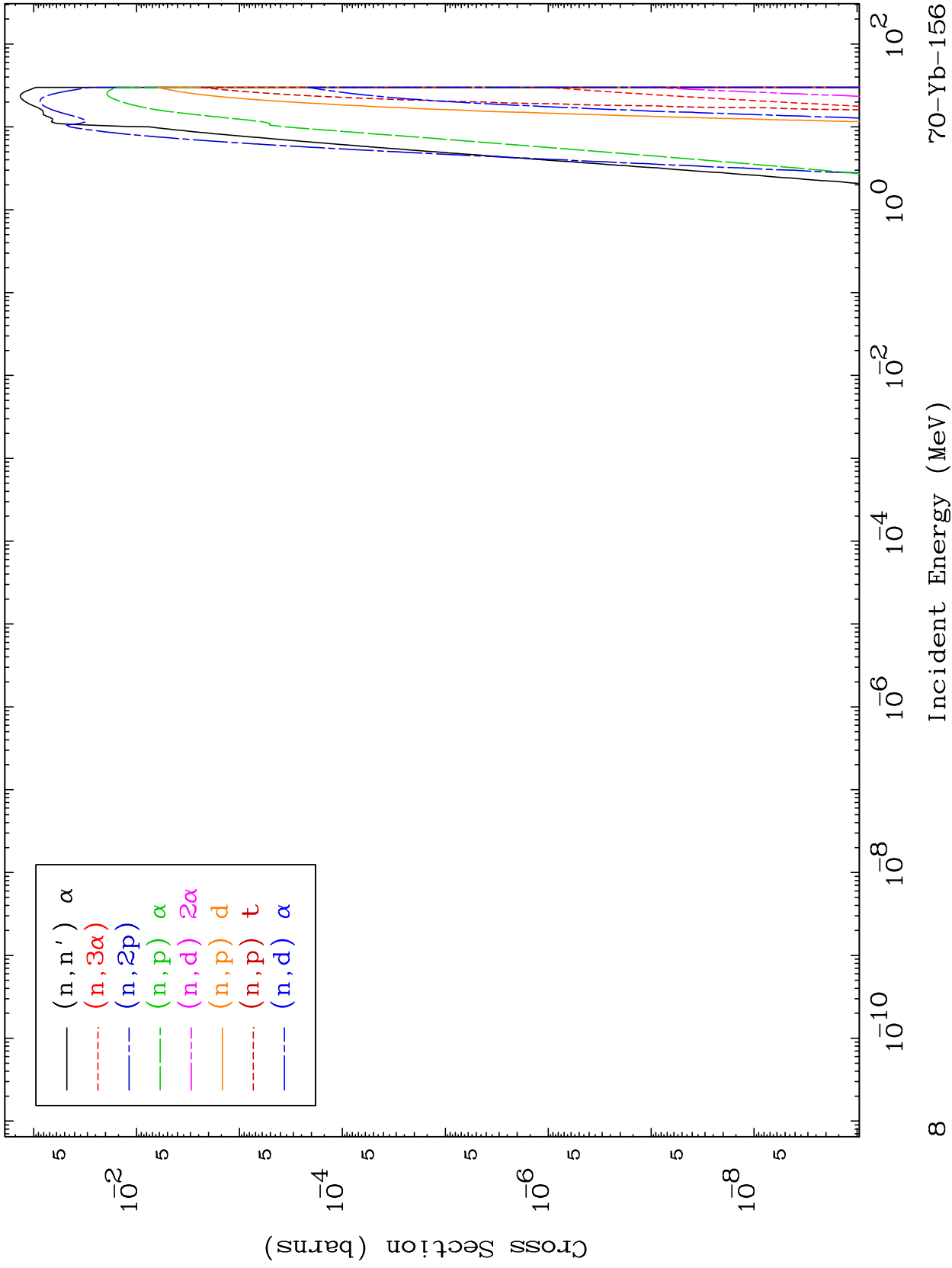
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MAT 6989

Charged Particle  
293 Kelvin Cross Sections

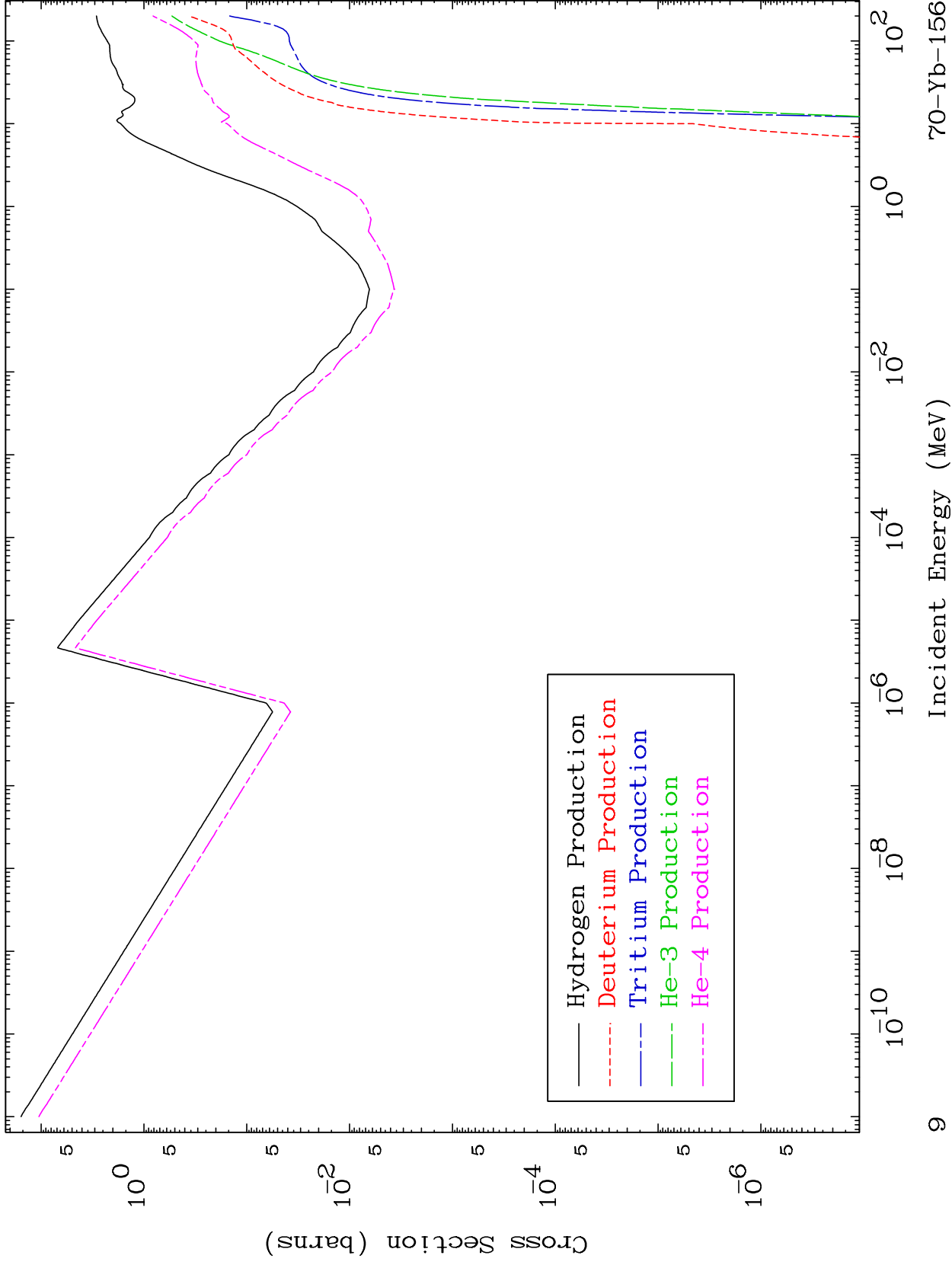
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MAT 6989

Particle Production  
293 Kelvin Cross Sections

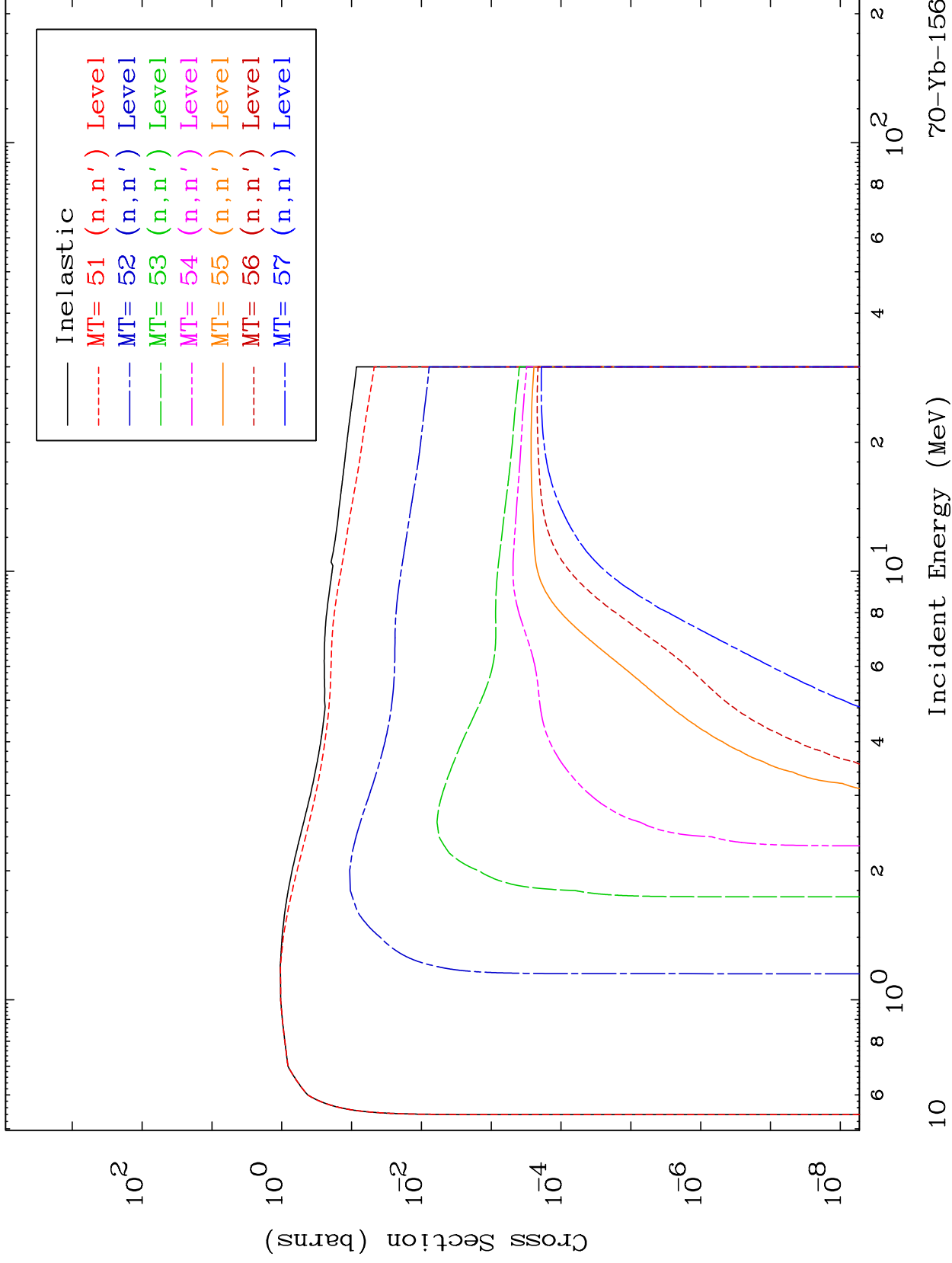
70-Yb-156



MAT 6989

(n,n') Levels  
293 Kelvin Cross Sections

70-Yb-156



10

Incident Energy (MeV)

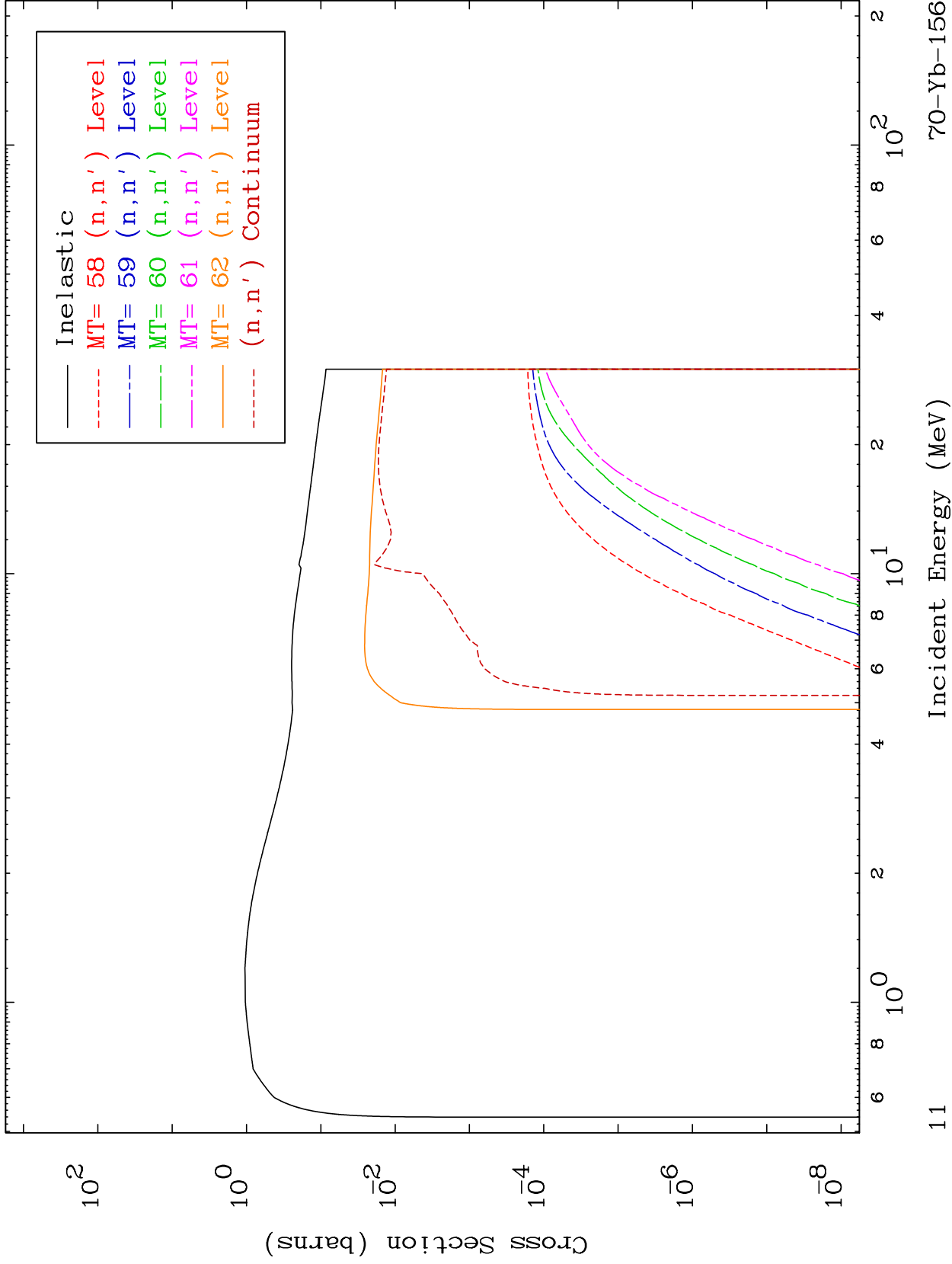
70-Yb-156

MAT 6989

(n,n') Levels

70-Yb-156

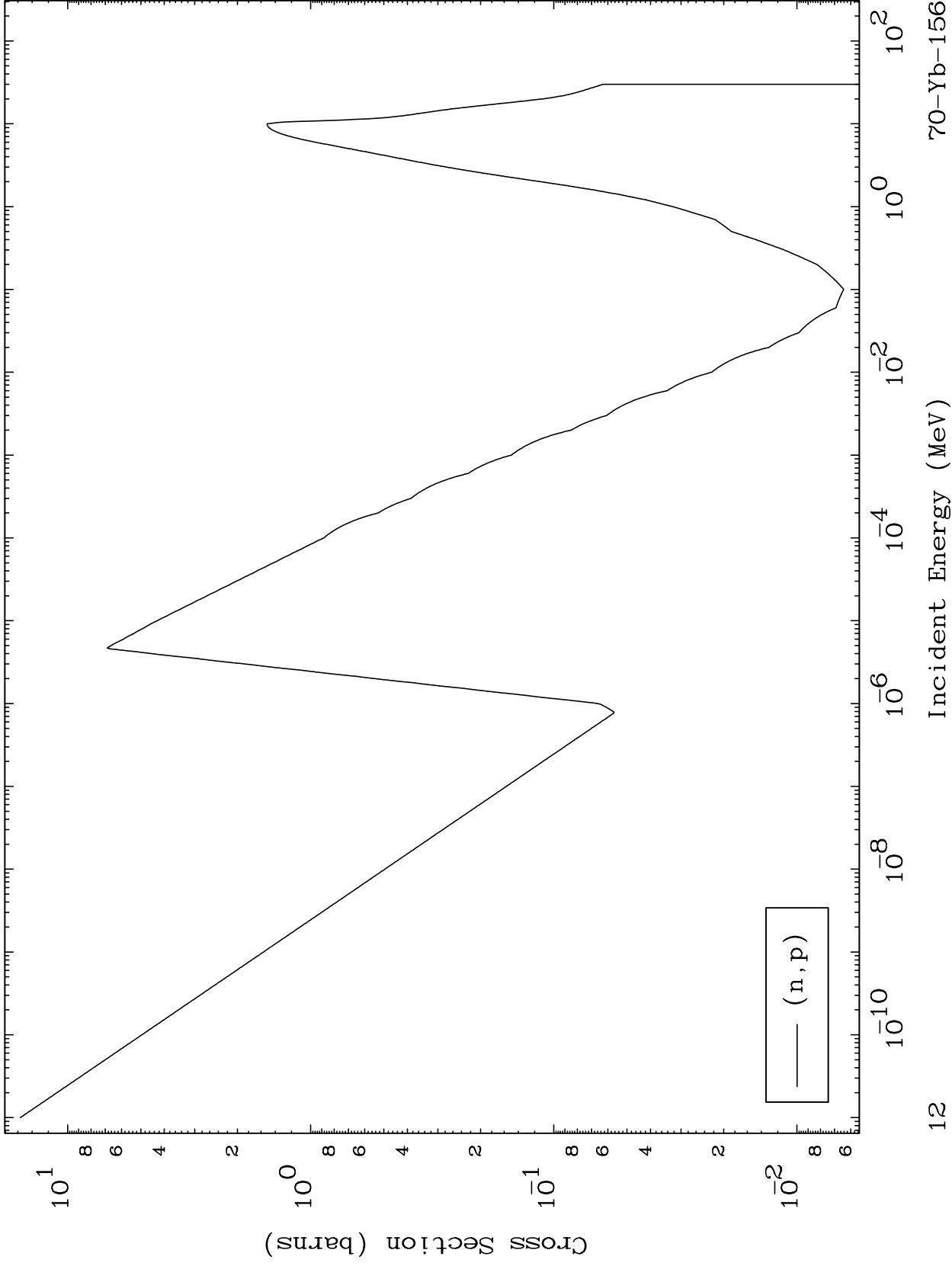
293 Kelvin Cross Sections



MAT 6989

(n,p) Levels  
293 Kelvin Cross Sections

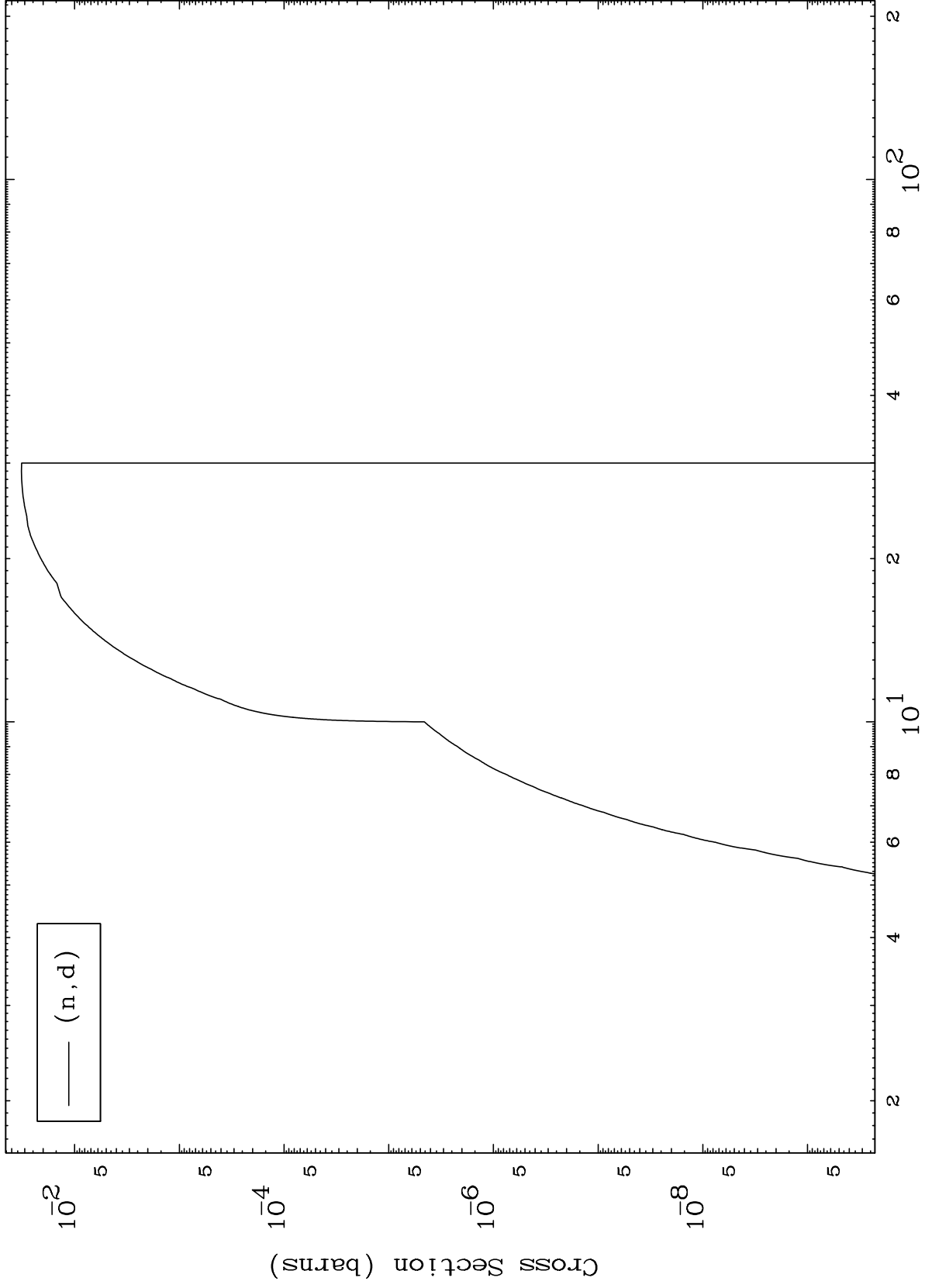
70-Yb-156



MAT 6989

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-156



13

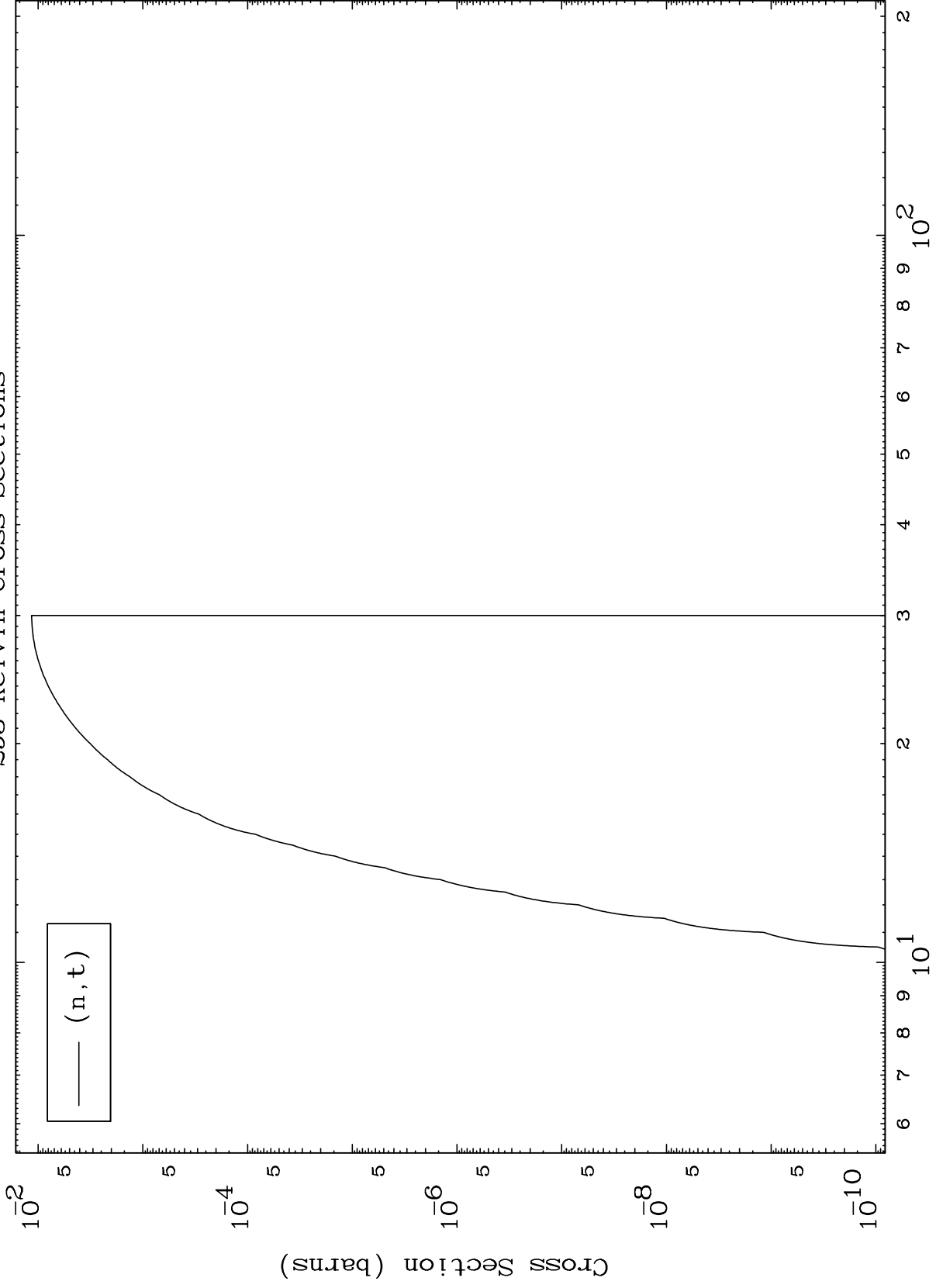
Incident Energy (MeV)

70-Yb-156

MAT 6989

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-156



14

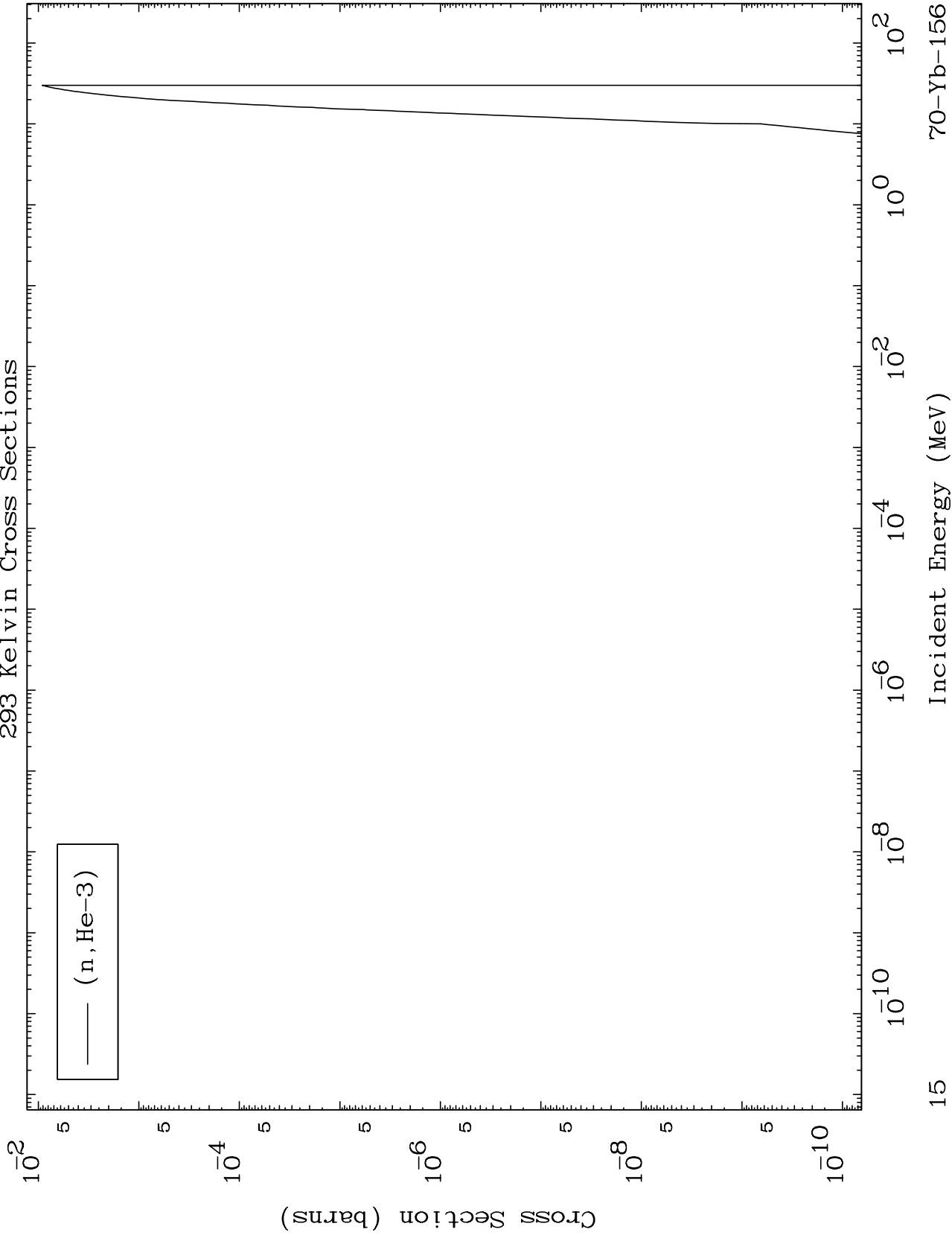
Incident Energy (MeV)

70-Yb-156

MAT 6989

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-156

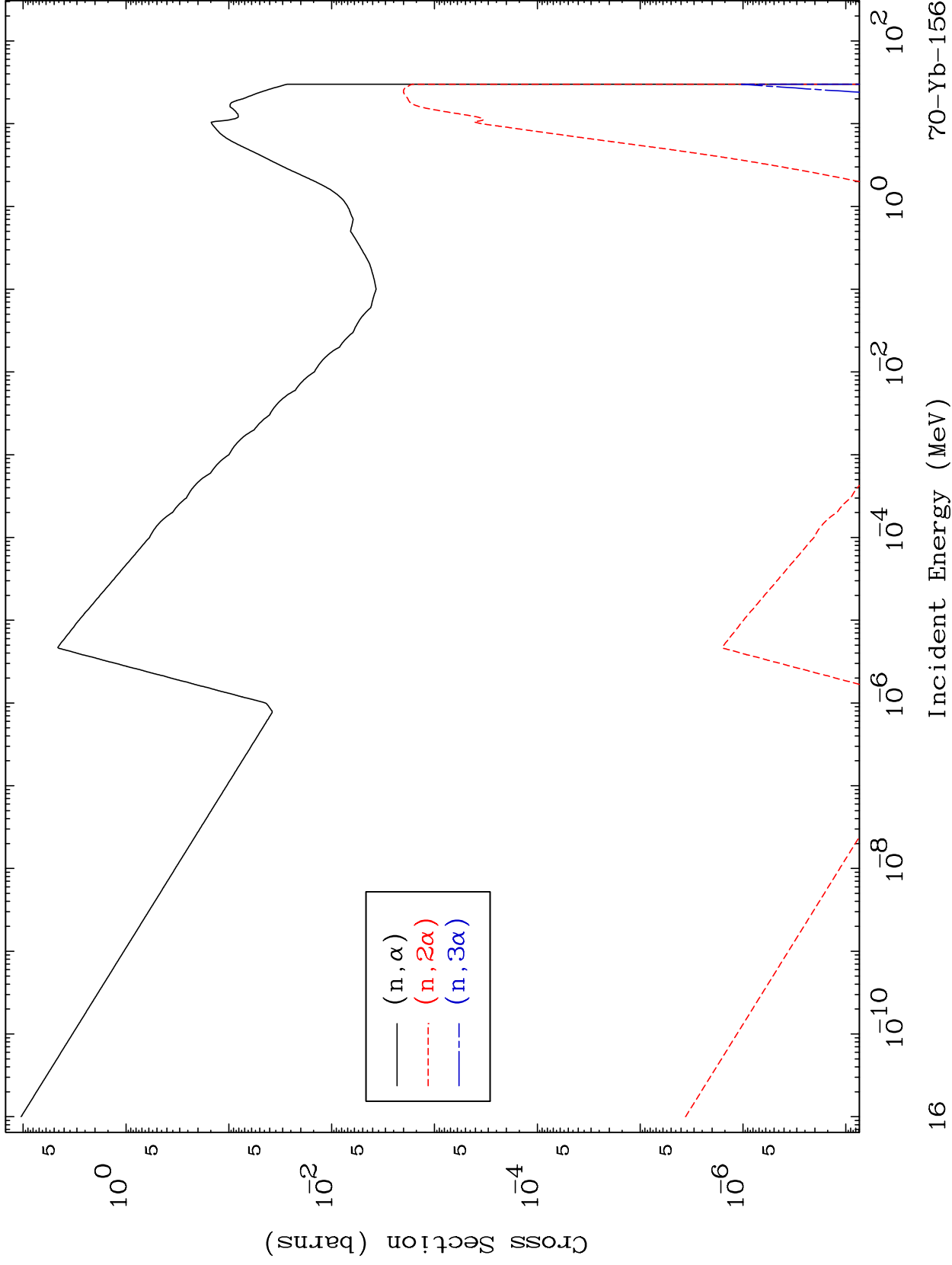


(n, He-3)

MAT 6989

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

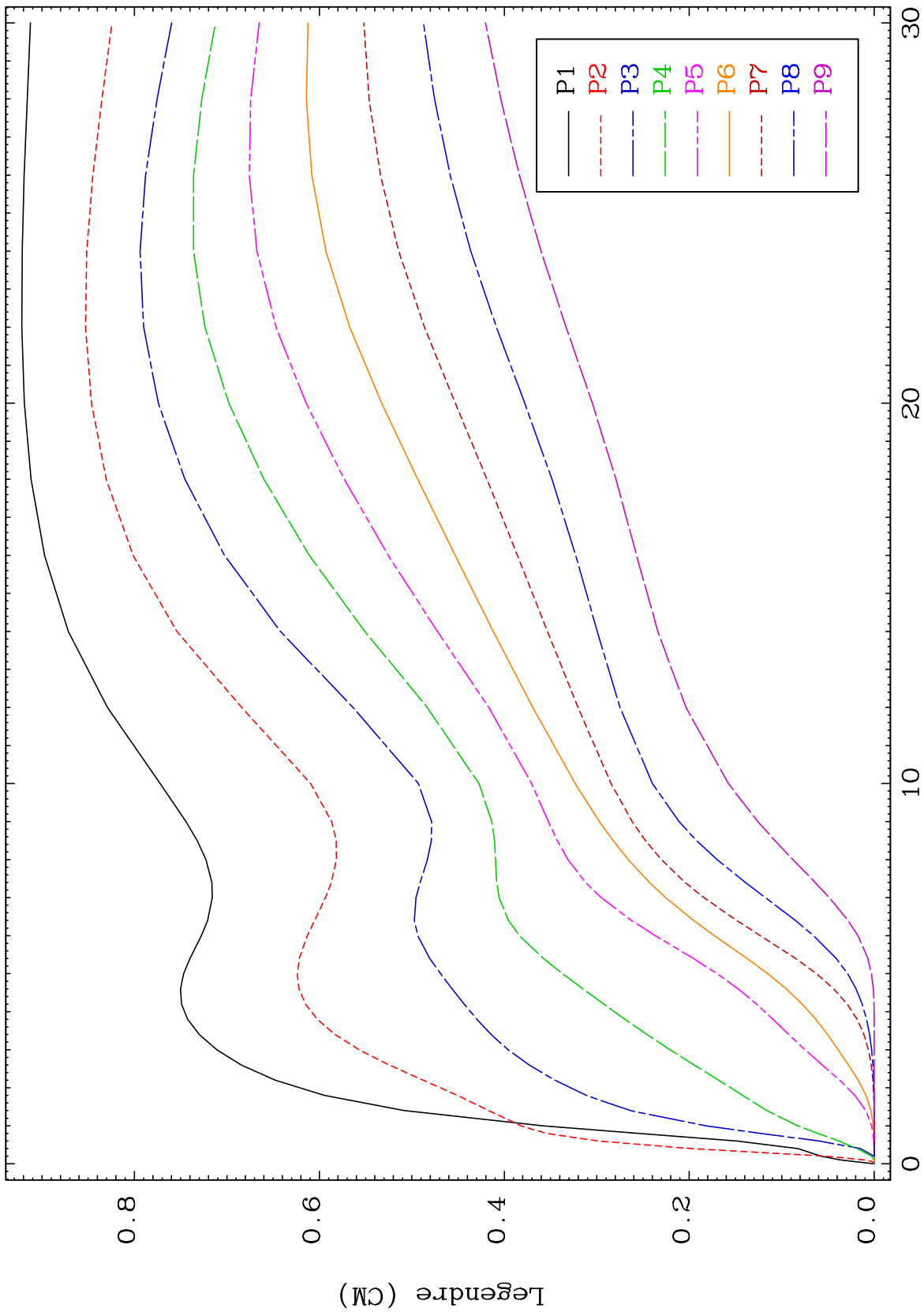
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MAT 6989

70-Yb-156

Elastic Legendre Coefficients



17

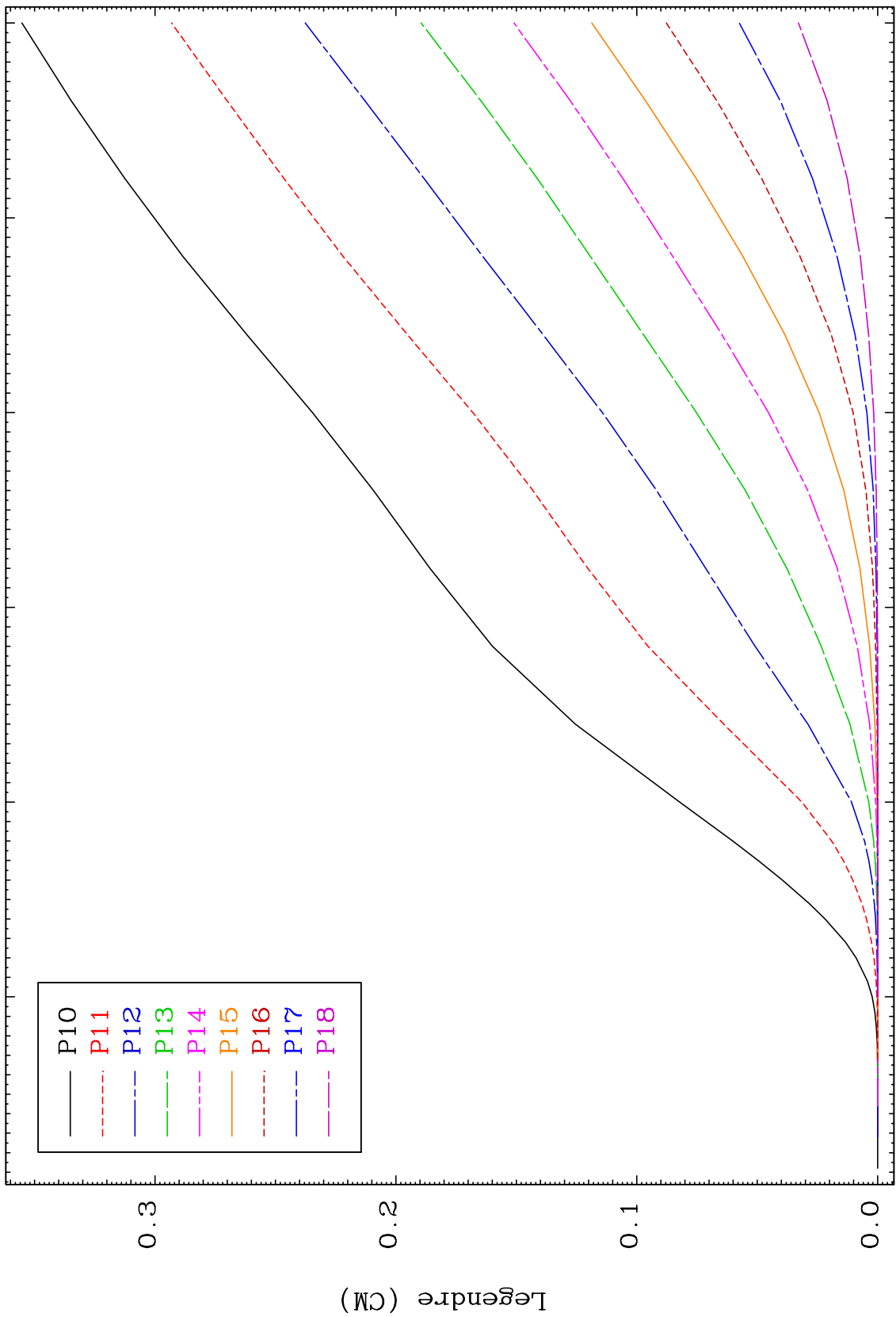
Incident Energy (MeV)

70-Yb-156

MAT 6989

Elastic Legendre Coefficients

70-Yb-156



18

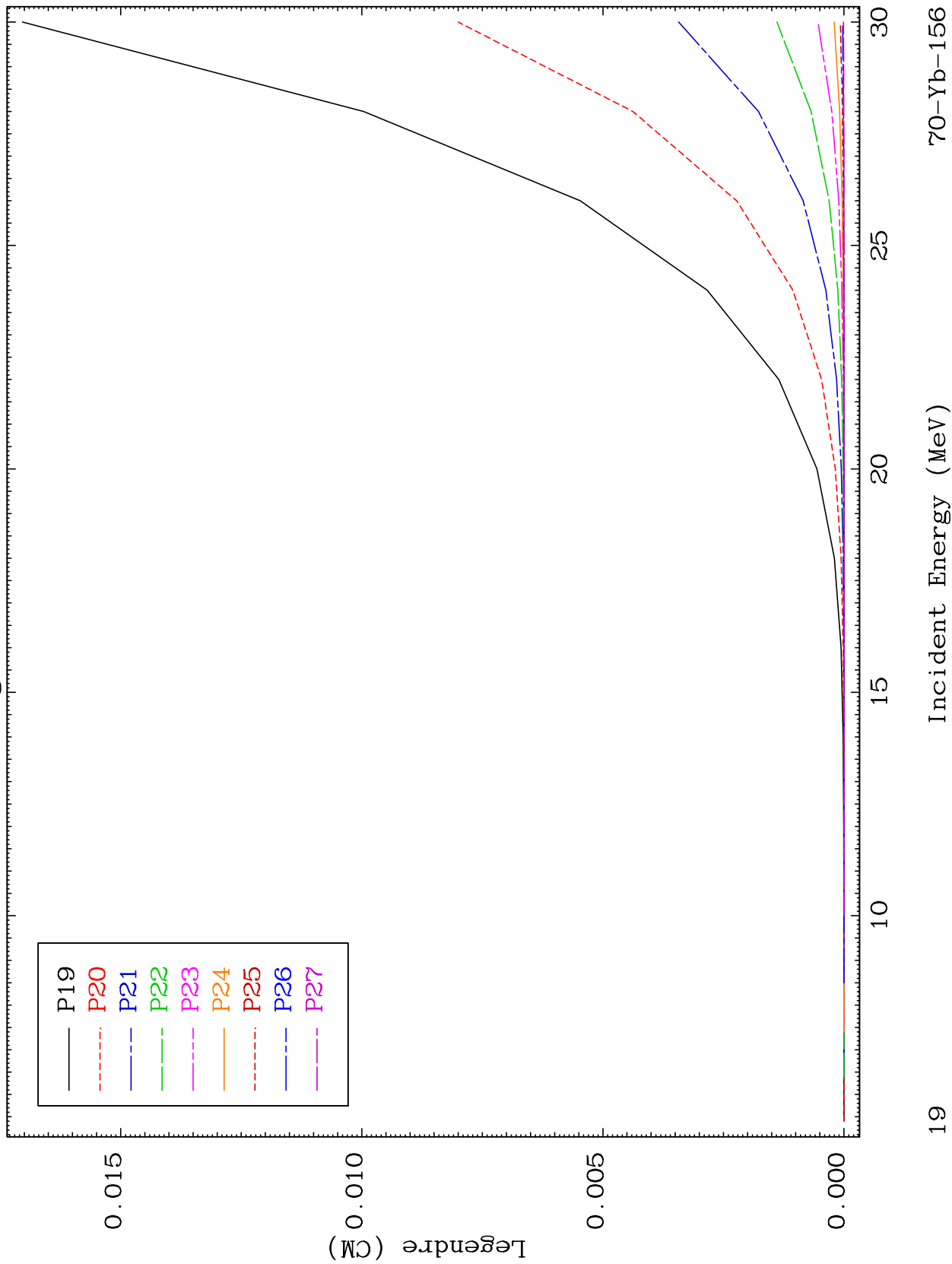
Incident Energy (MeV)

70-Yb-156

MAT 6989

### Elastic Legendre Coefficients

70-Yb-156



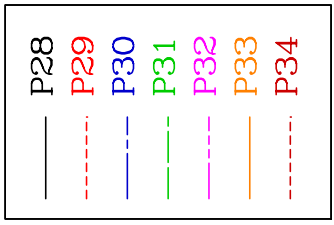
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70-Yb-156

MAT 6989

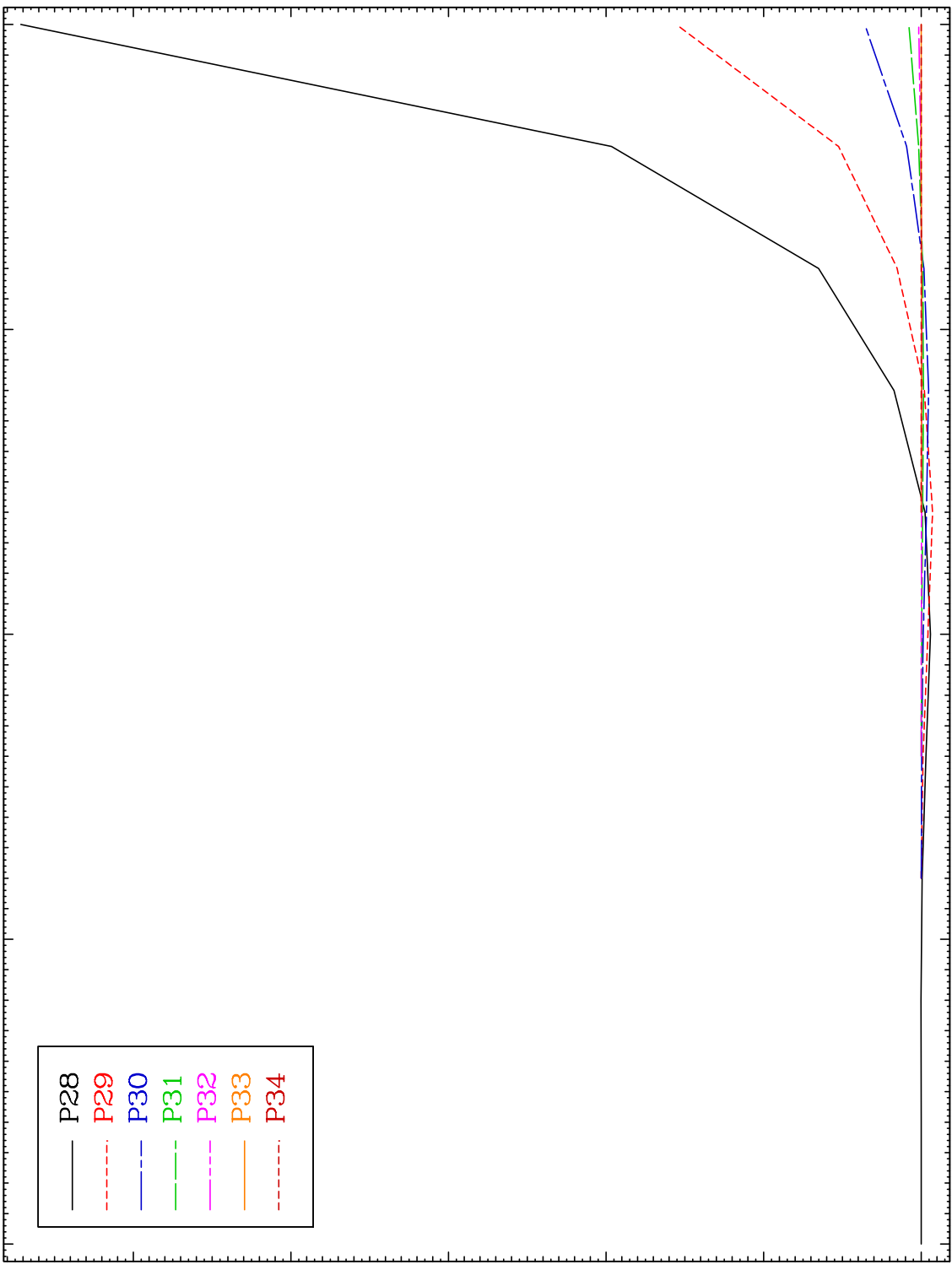
Elastic Legendre Coefficients

70-Yb-156



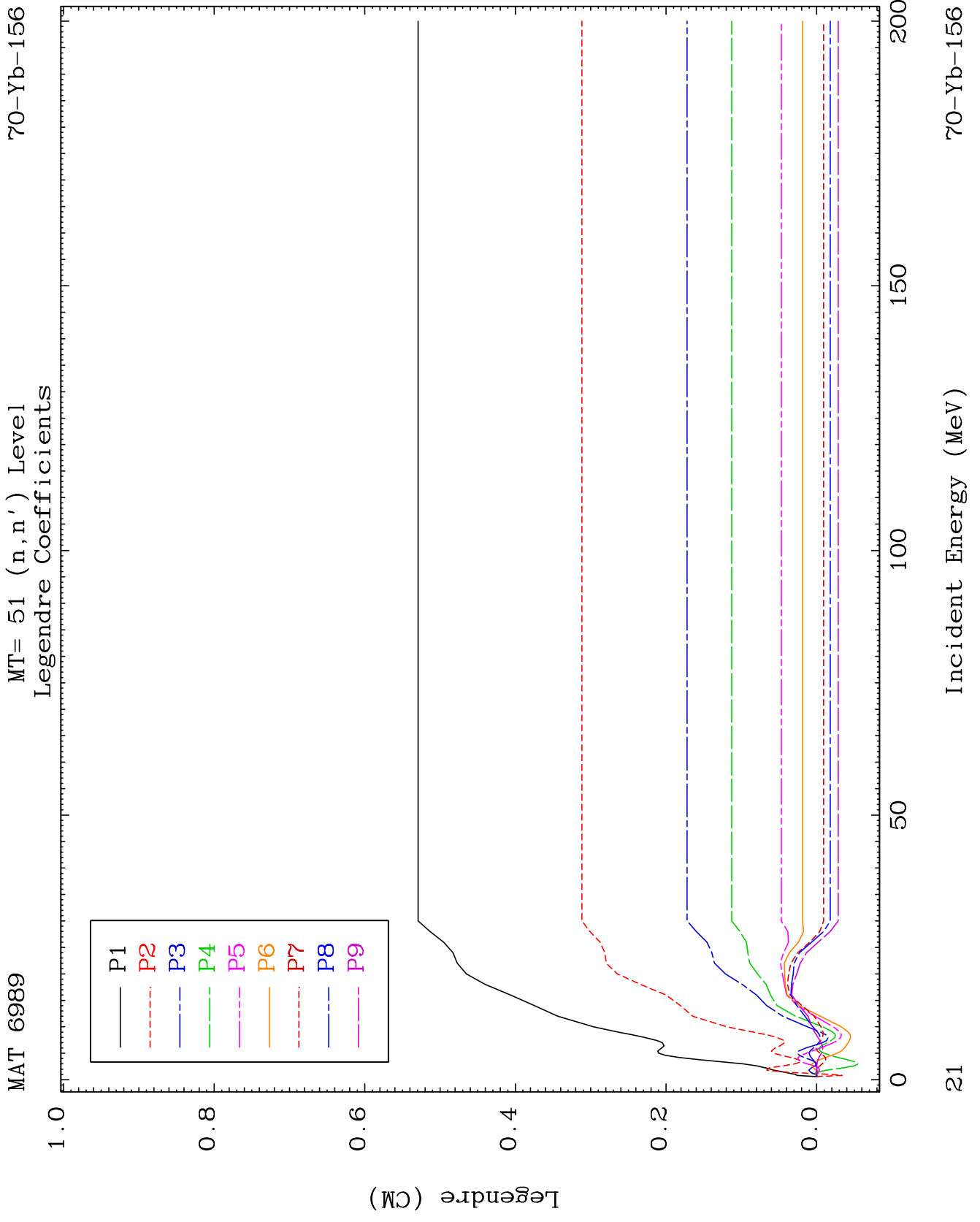
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Legendre (CM)



Incident Energy (MeV)

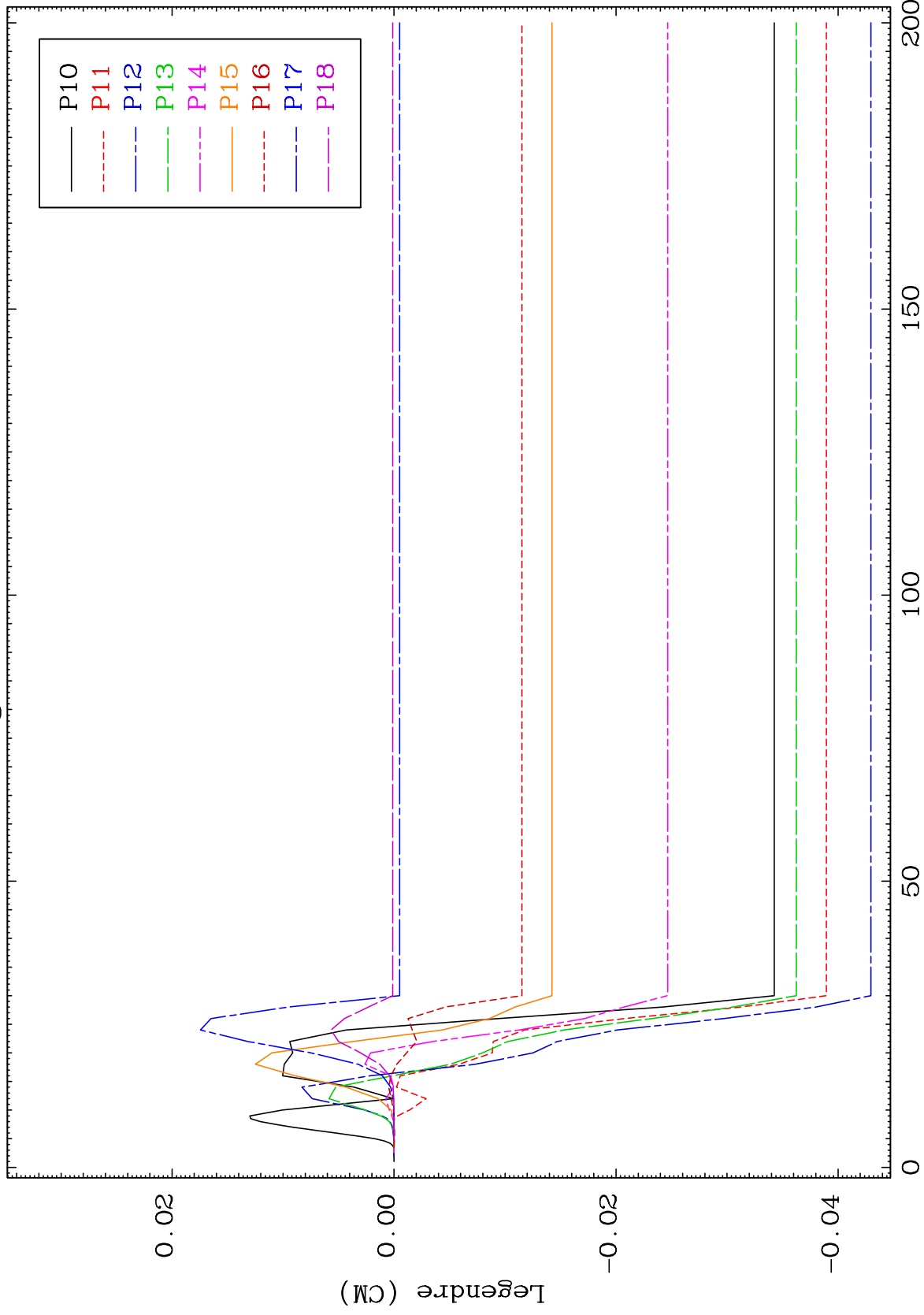
70-Yb-156



MAT 6989

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

70-Yb-156



22

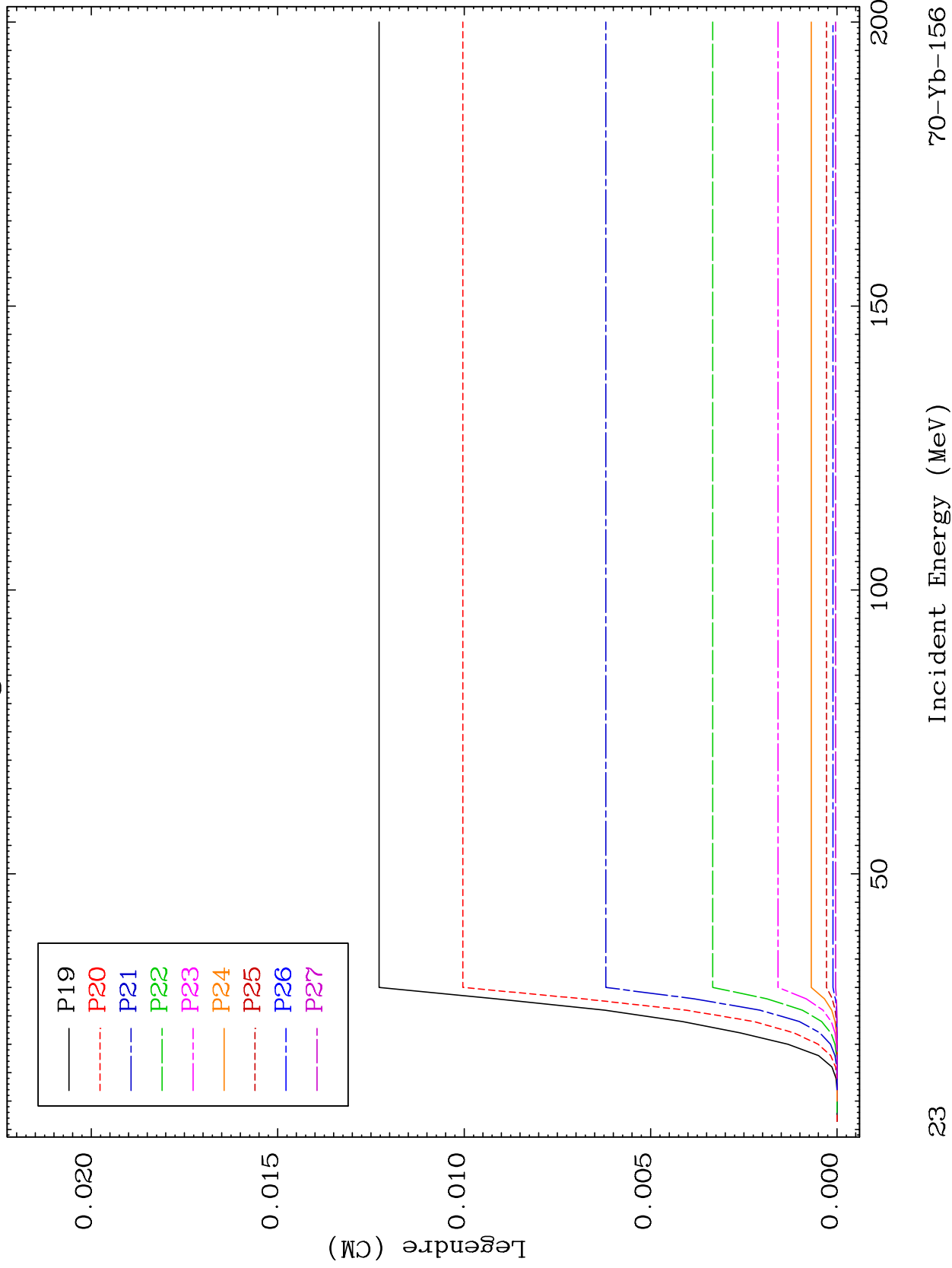
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

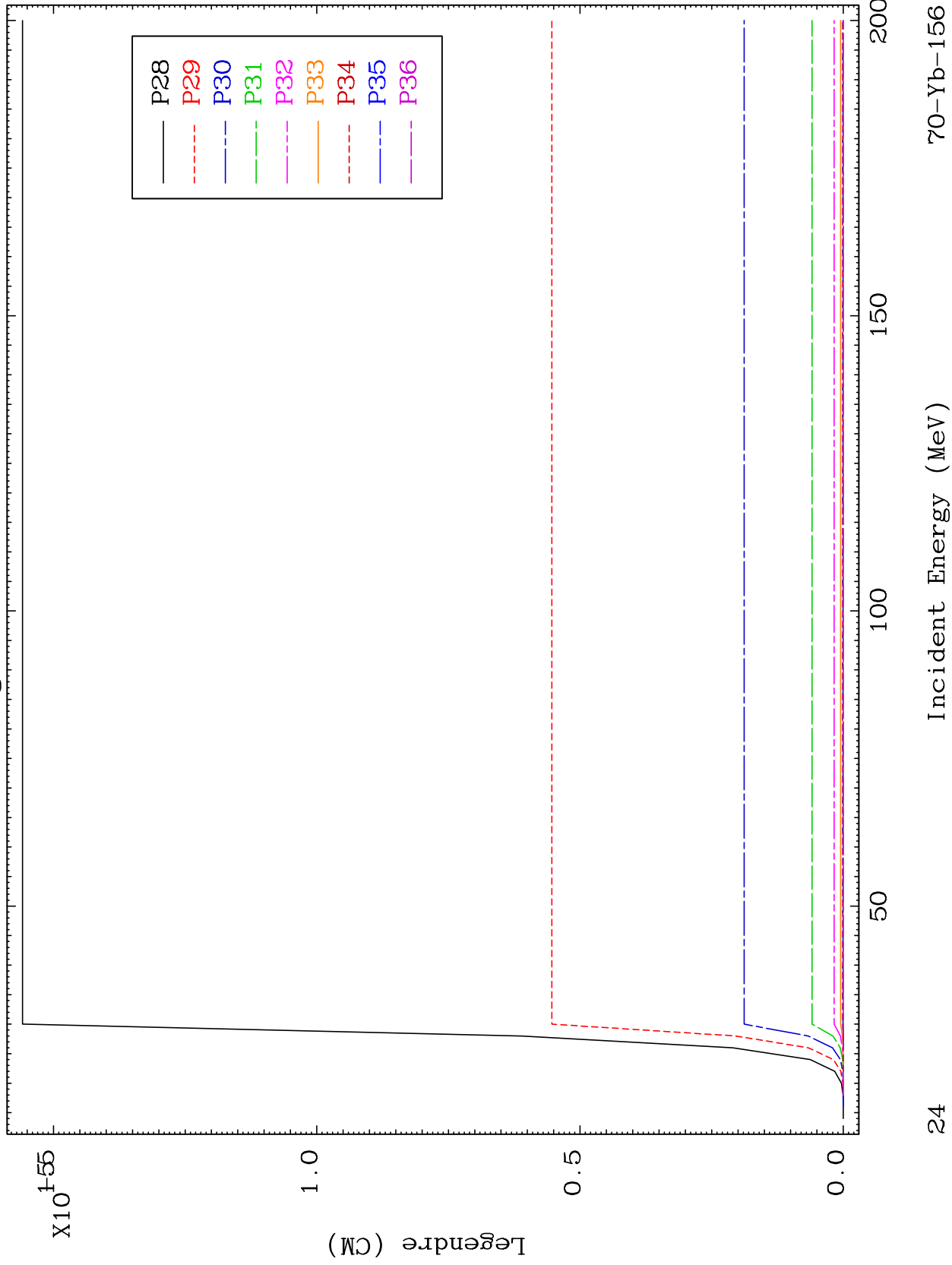
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MAT 6989

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

70-Yb-156



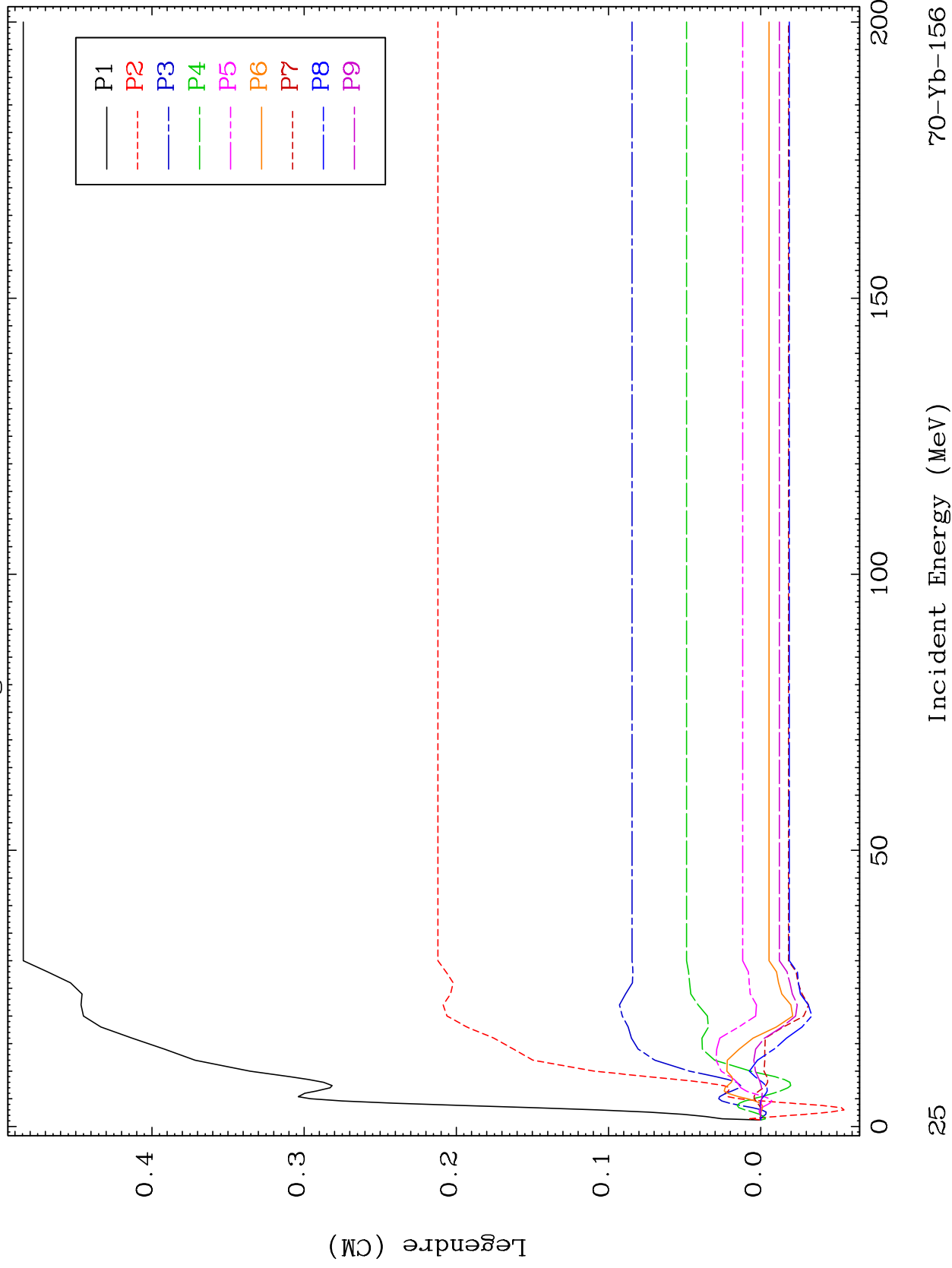
24

200

MAT 6989

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

70-Yb-156



70-Yb-156

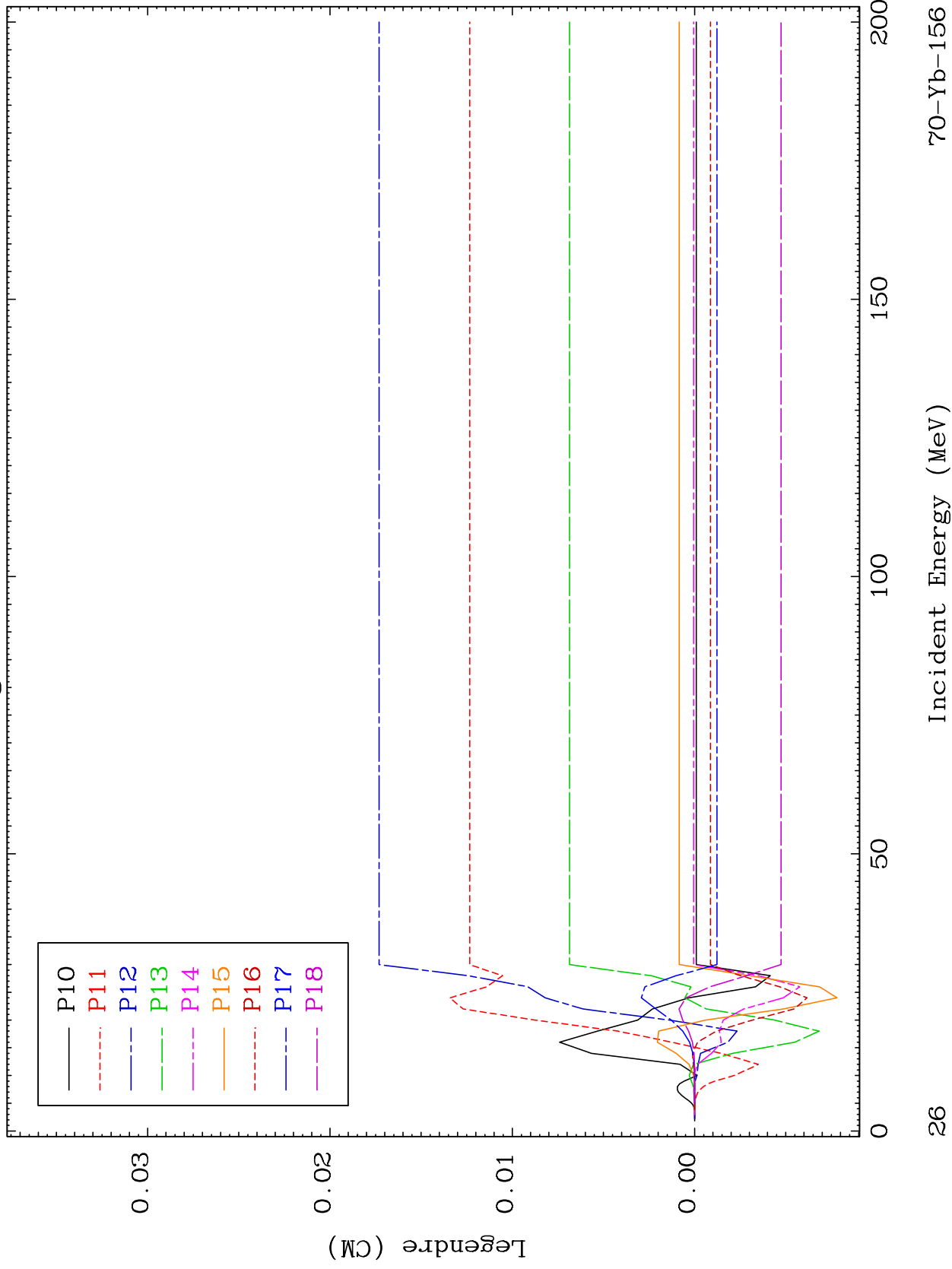
Incident Energy (MeV)

25

MAT 6989

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

70-Yb-156



26

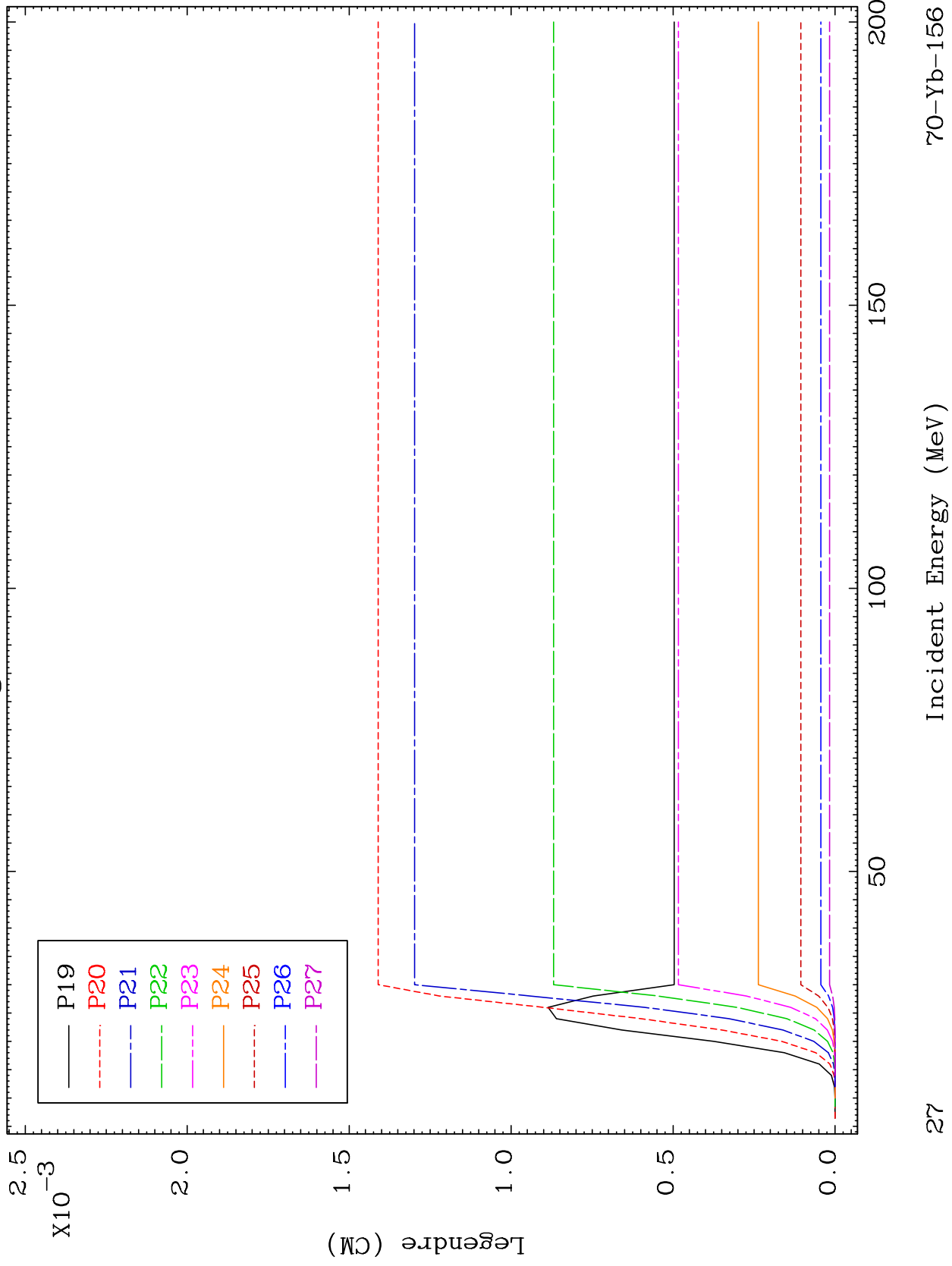
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

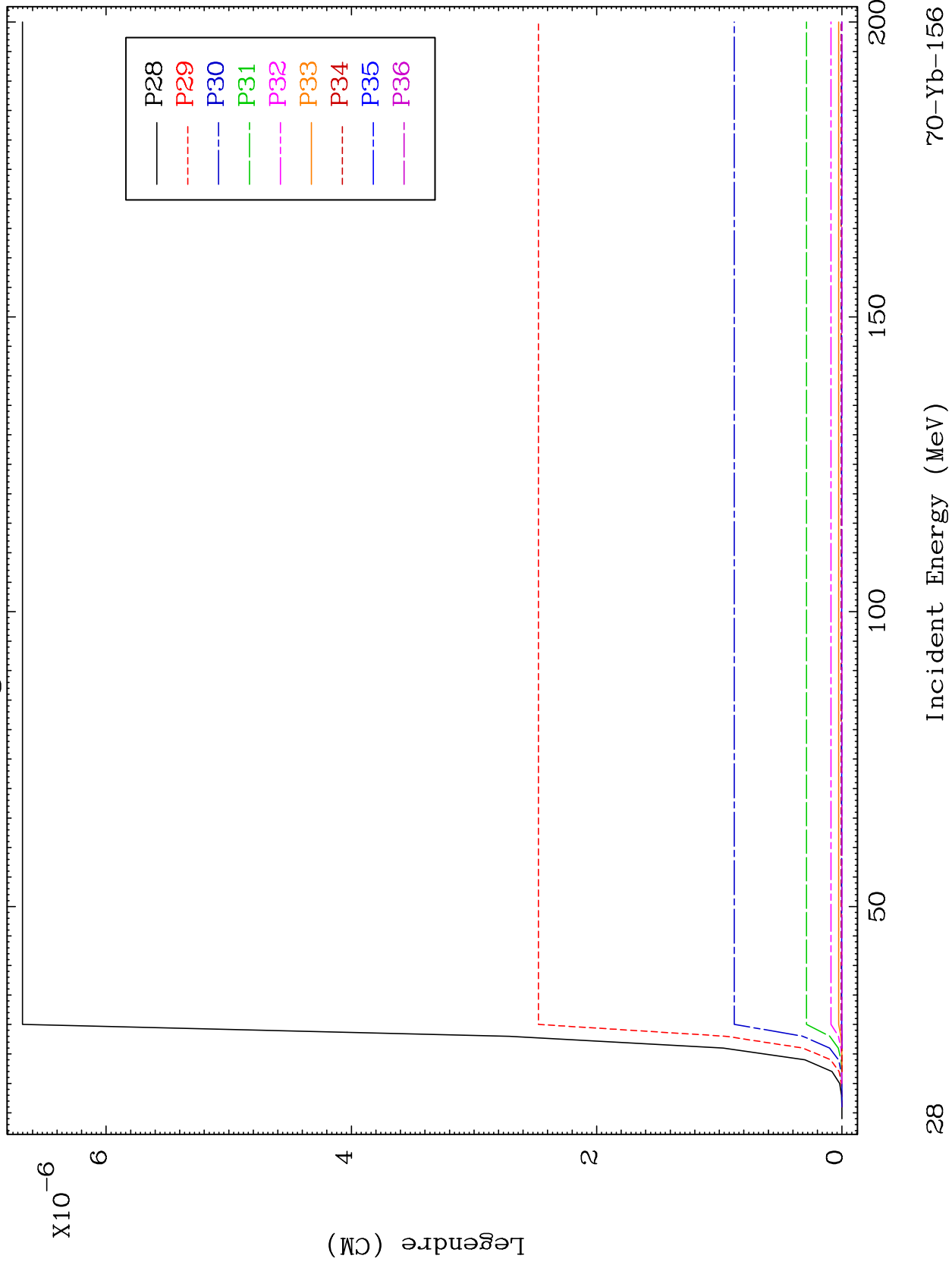
70-Yb-156



MAT 6989

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

70-Yb-156



28

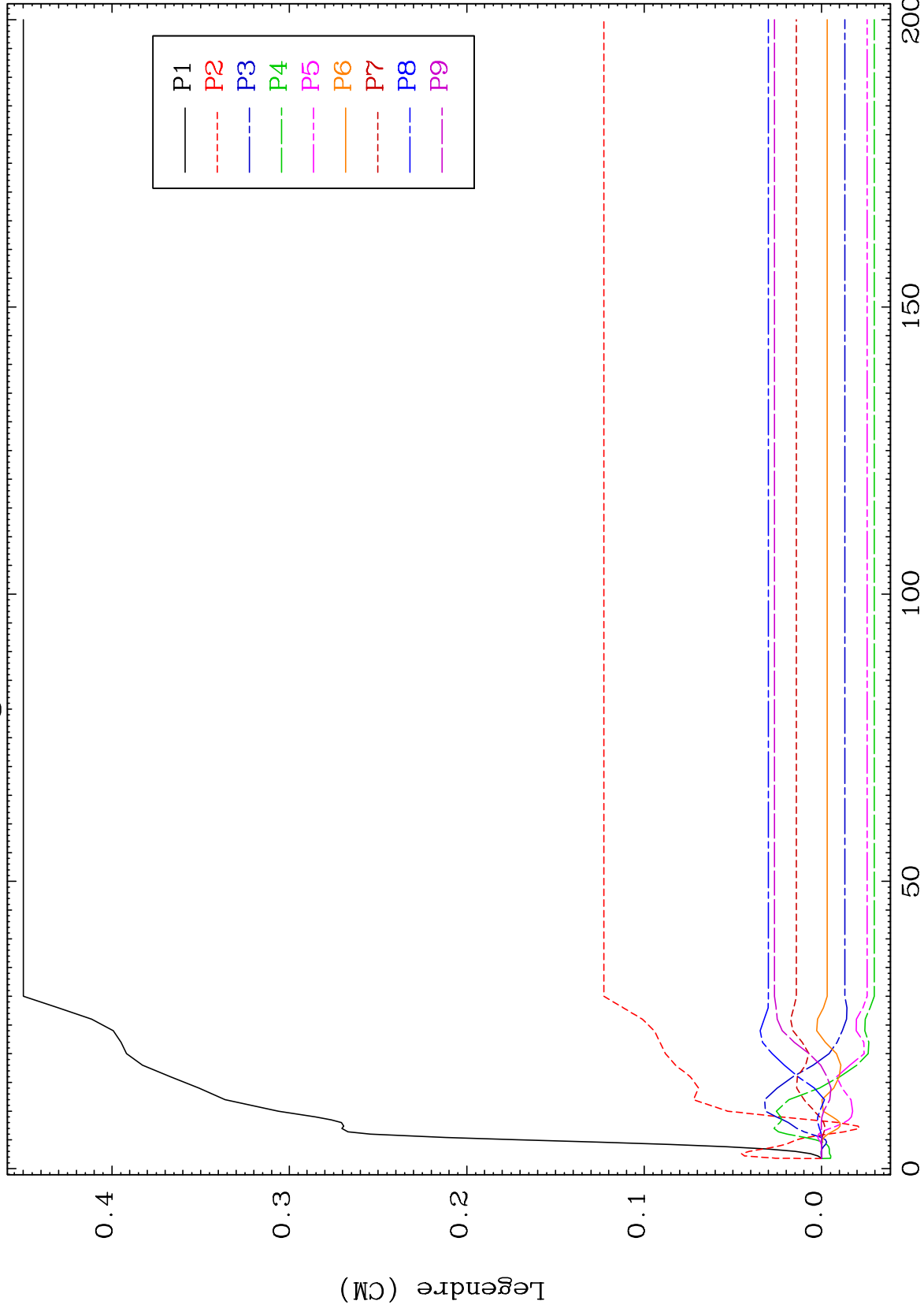
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



70-Yb-156

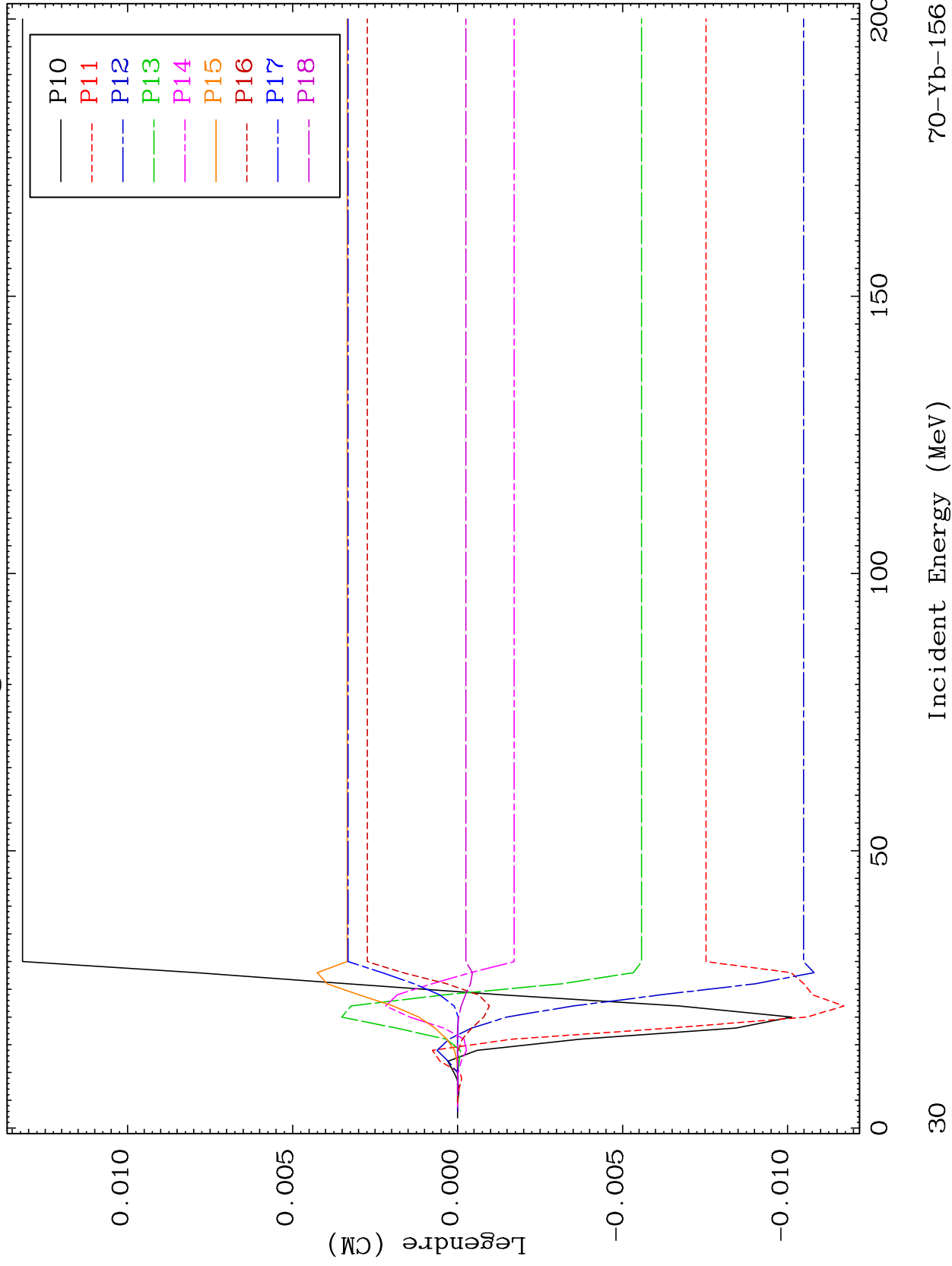
Incident Energy (MeV)

29

MAT 6989

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

70-Yb-156



70-Yb-156

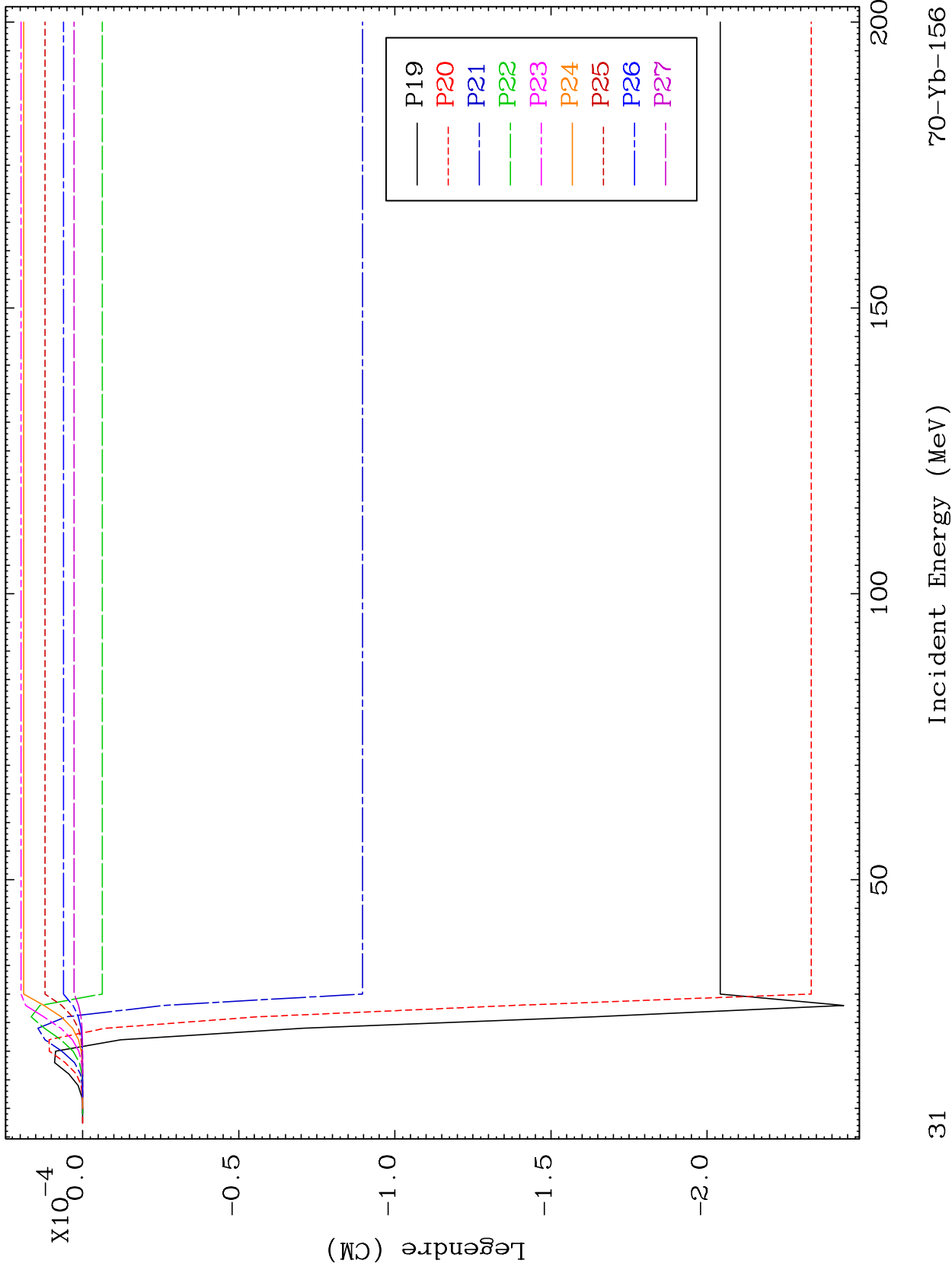
Incident Energy (MeV)

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MAT 6989

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

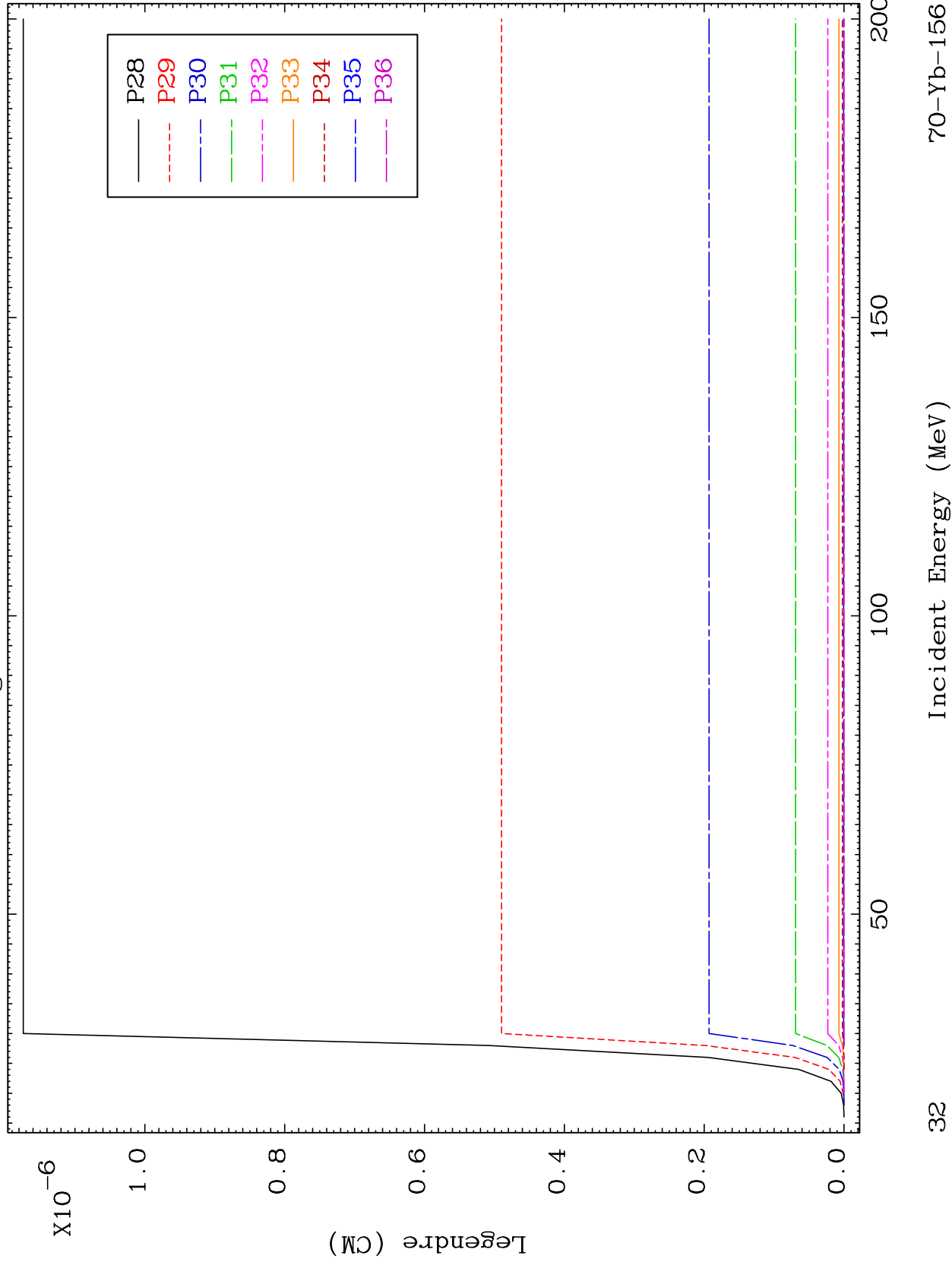
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MAT 6989

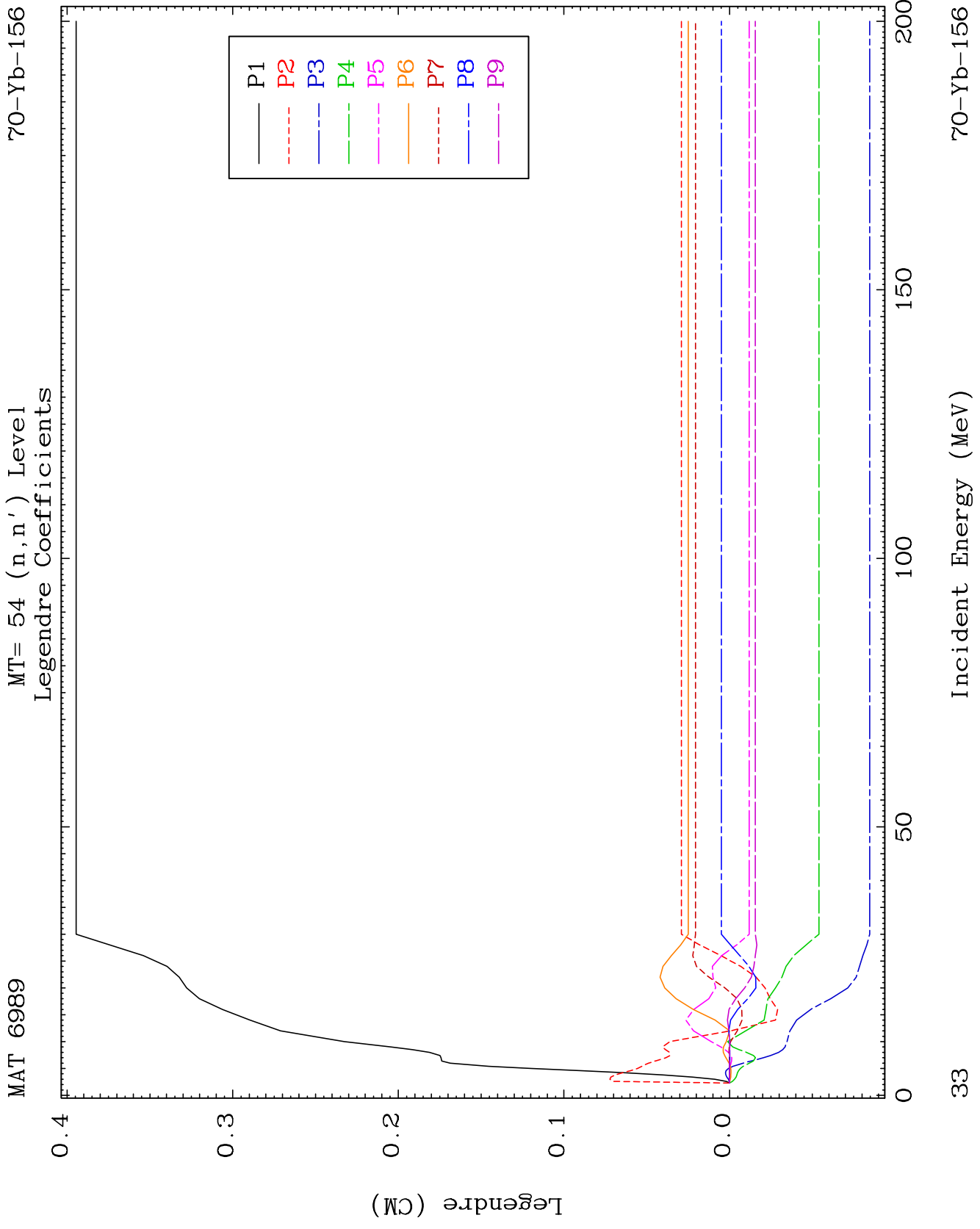
MT= 53 (n,n') Level  
Legendre Coefficients

70-Yb-156



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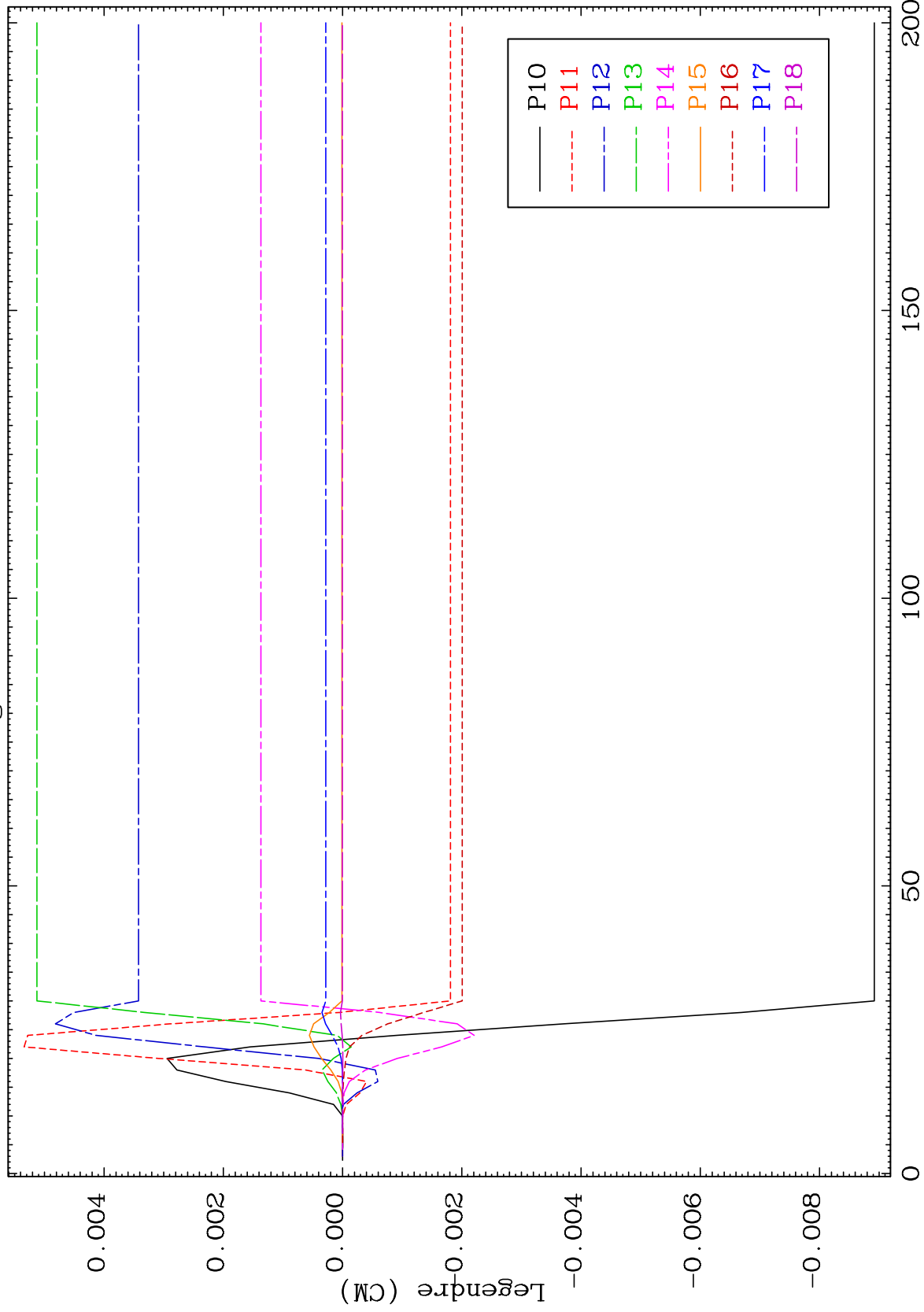
70-Yb-156



MAT 6989

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

70-Yb-156



34

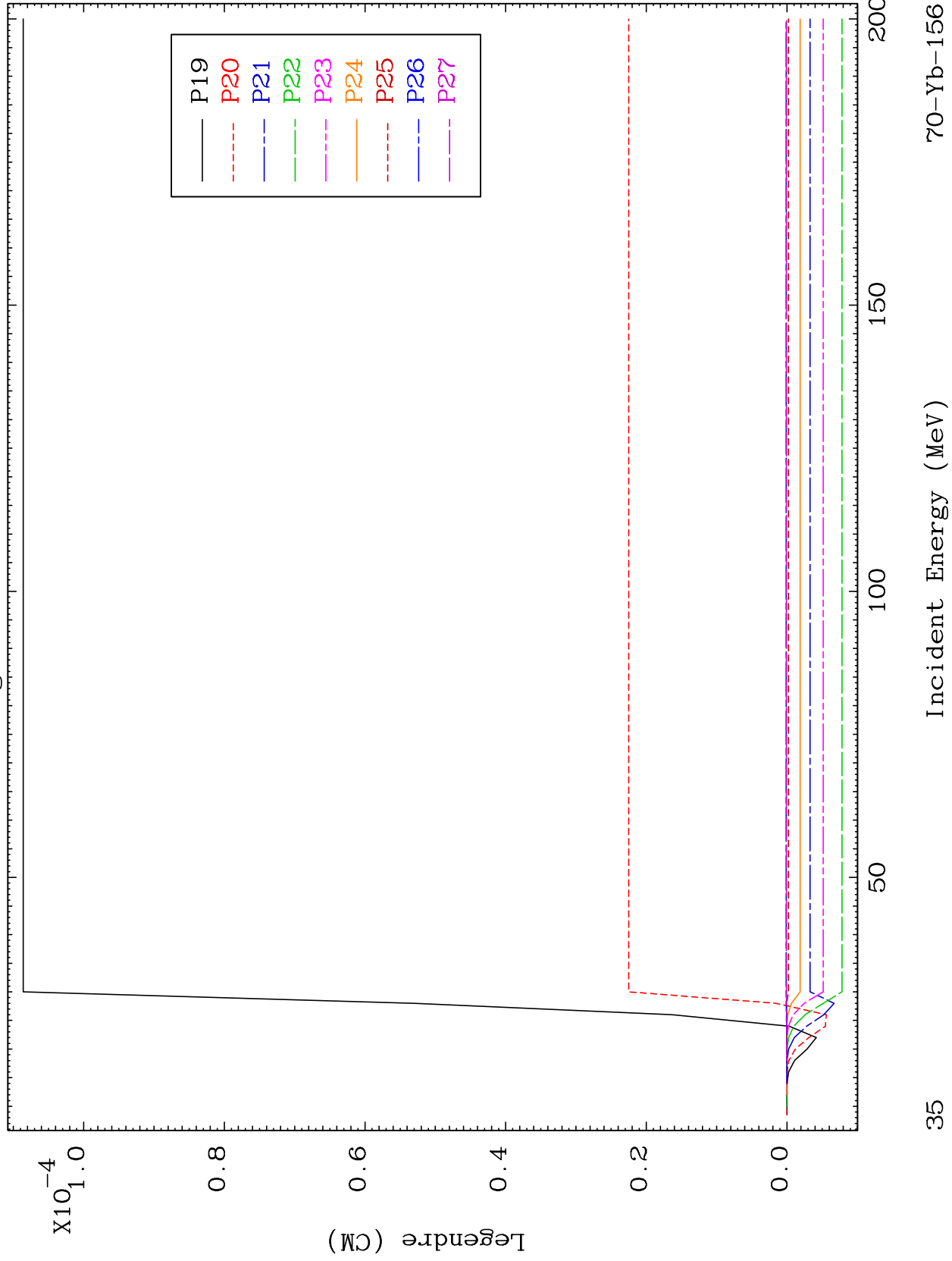
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



35

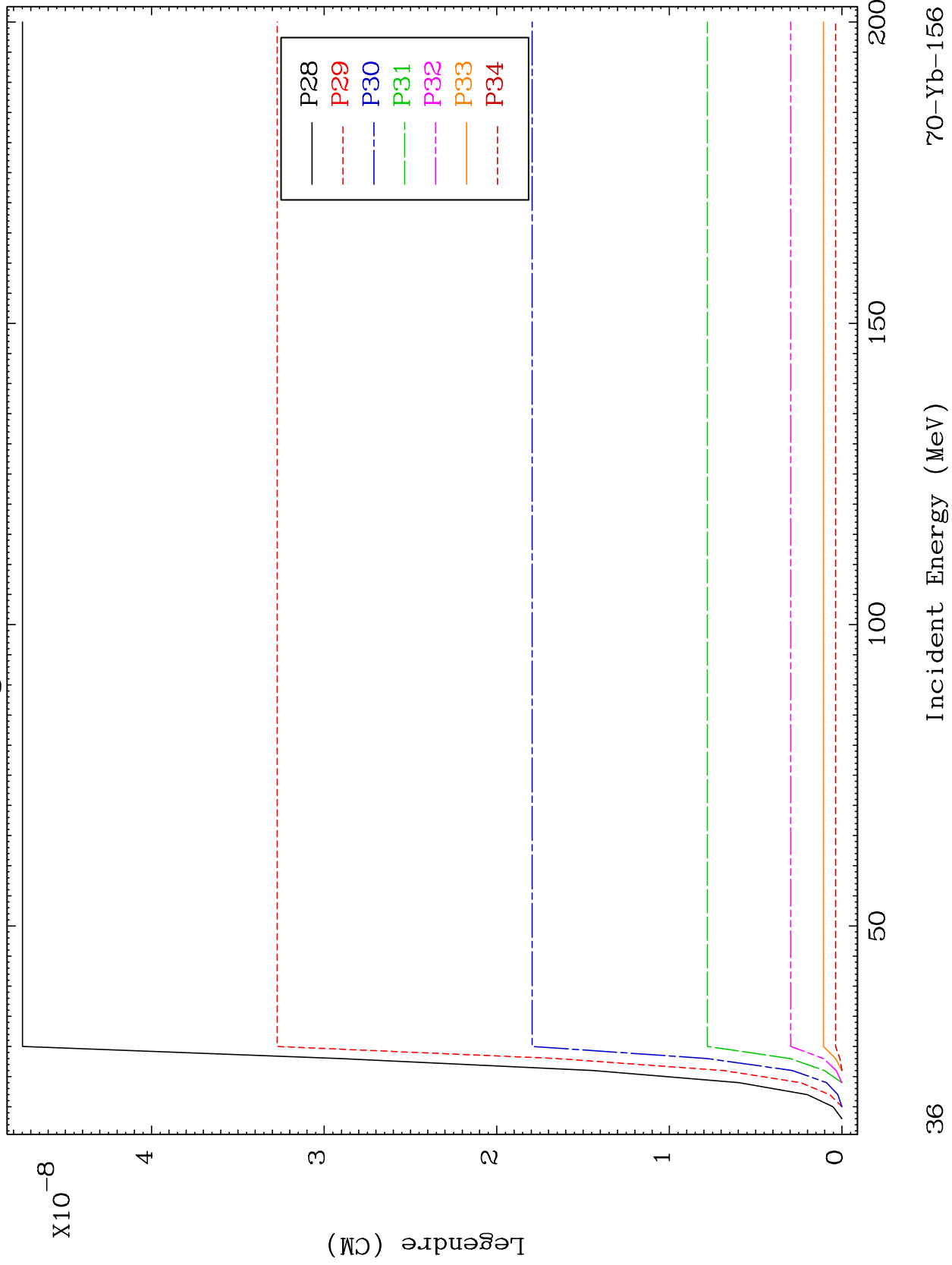
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



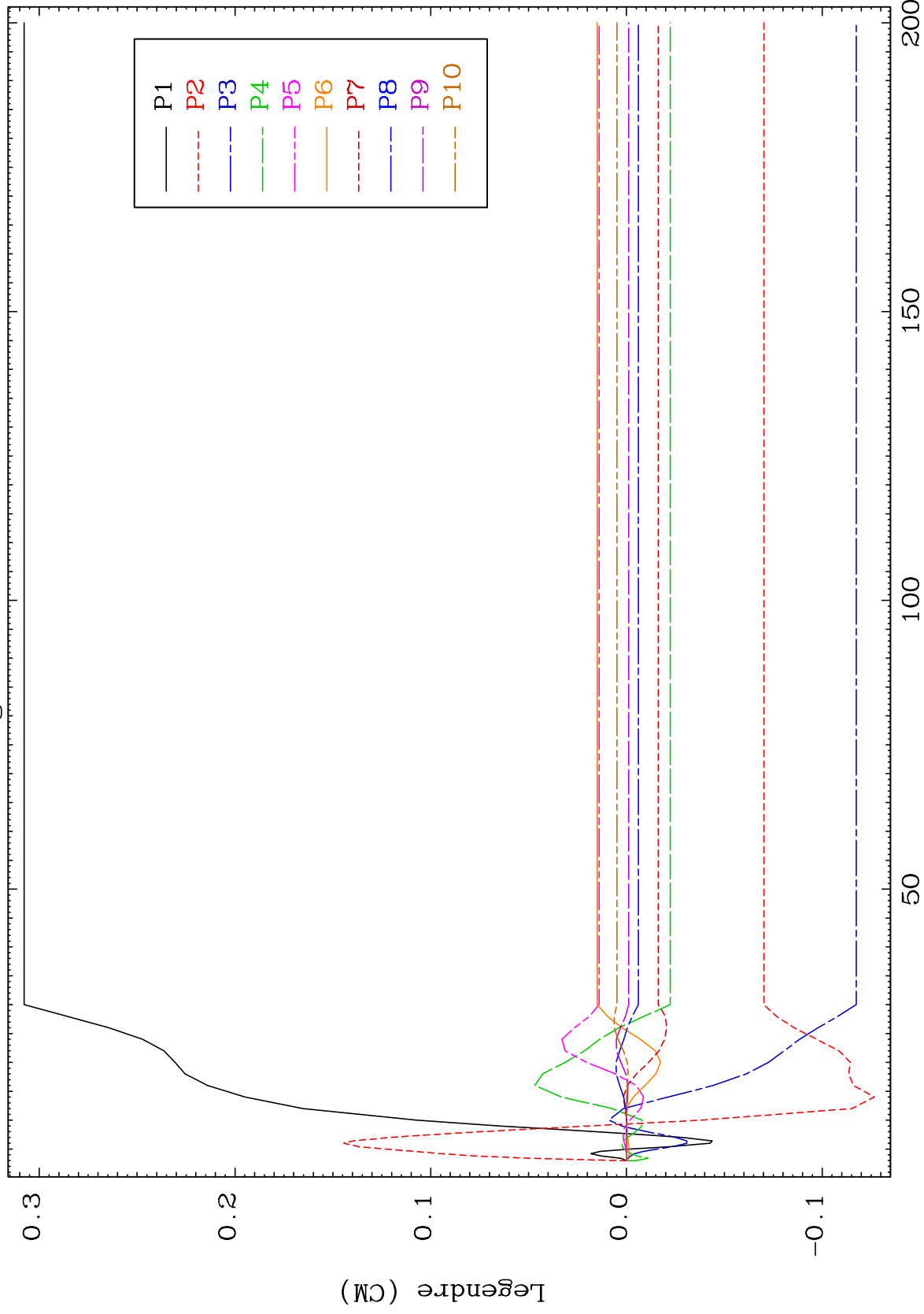
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70-Yb-156

MAT 6989

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

70-Yb-156



37

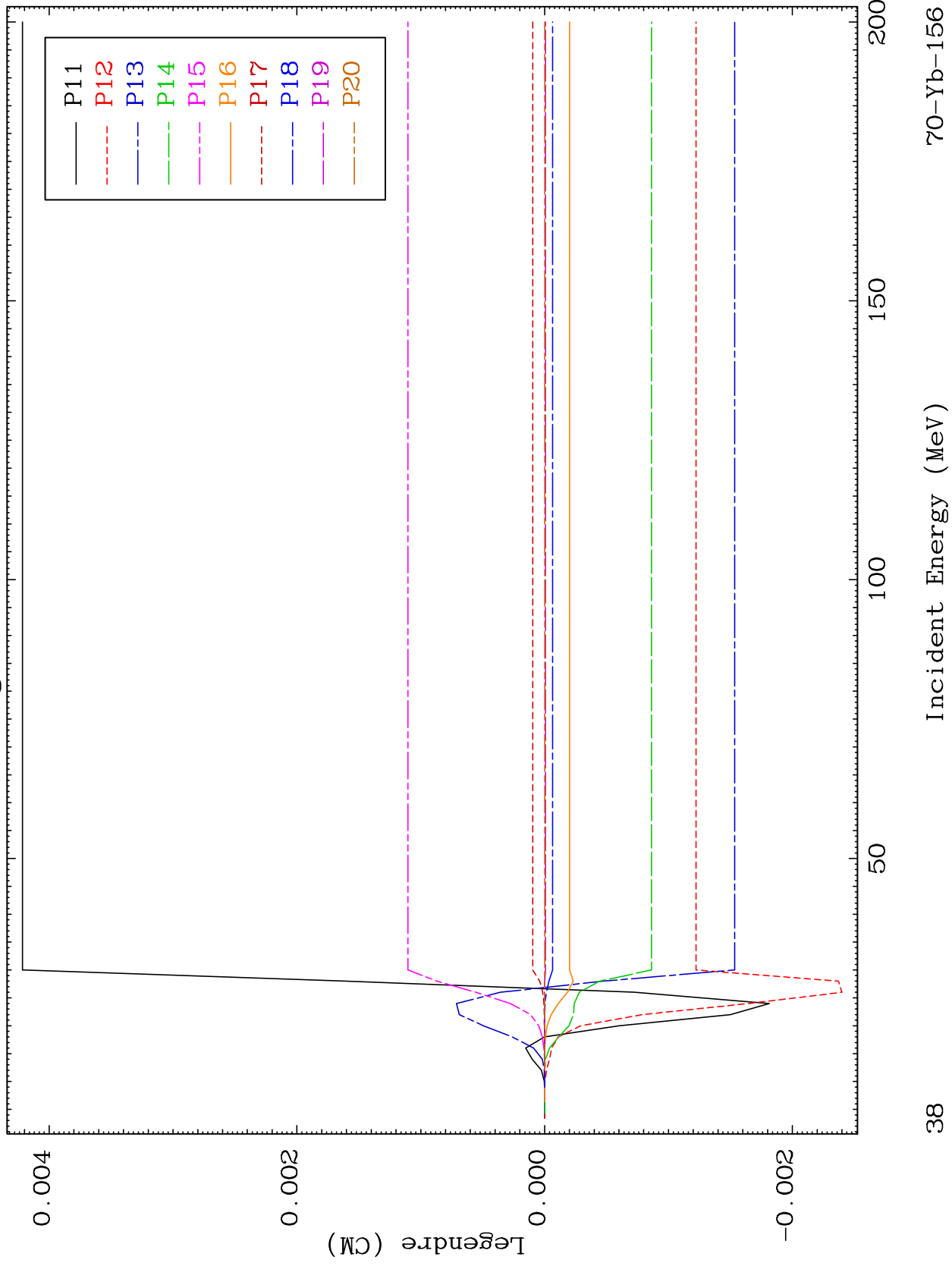
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



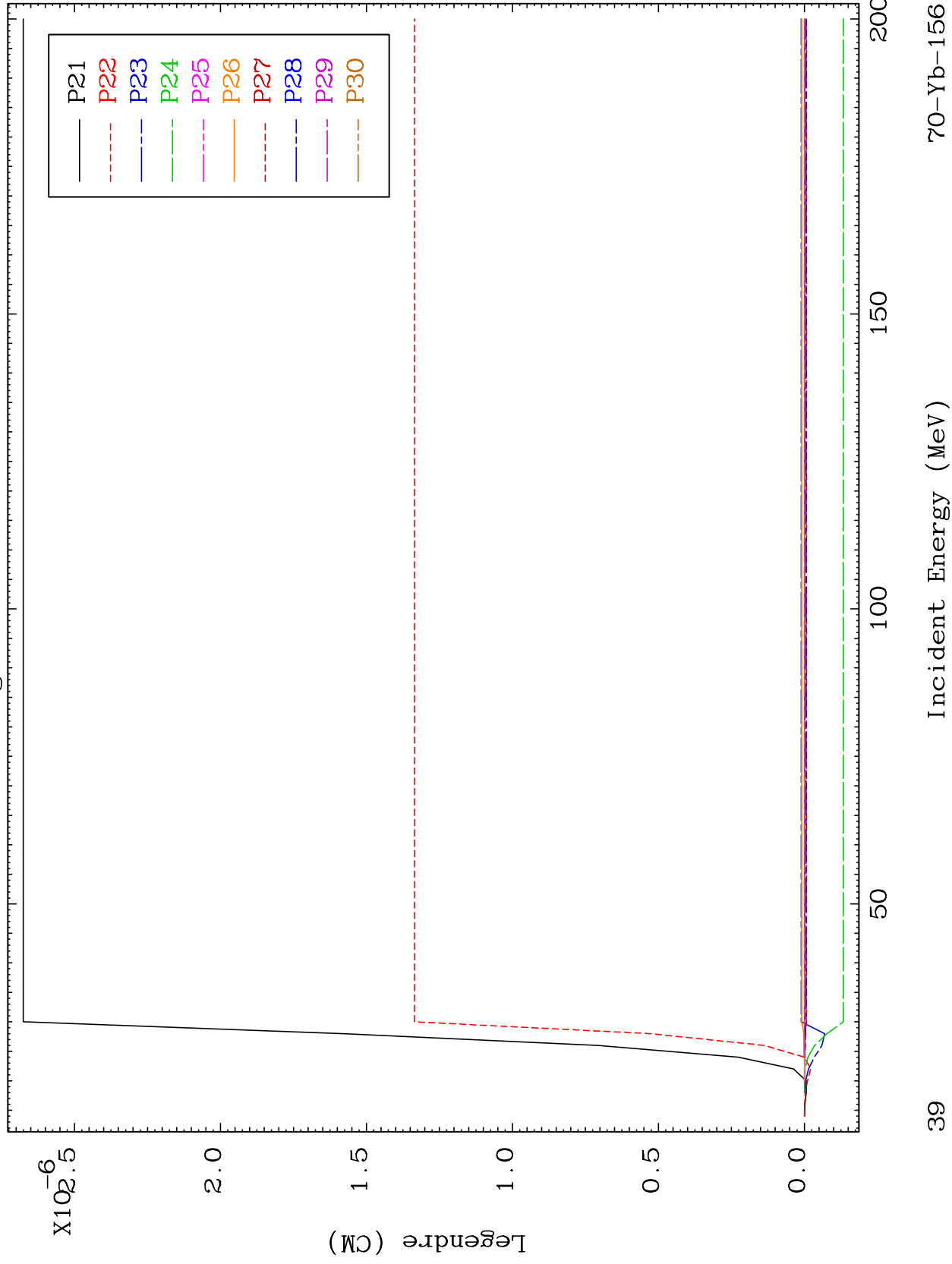
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70-Yb-156

MAT 6989

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

70-Yb-156



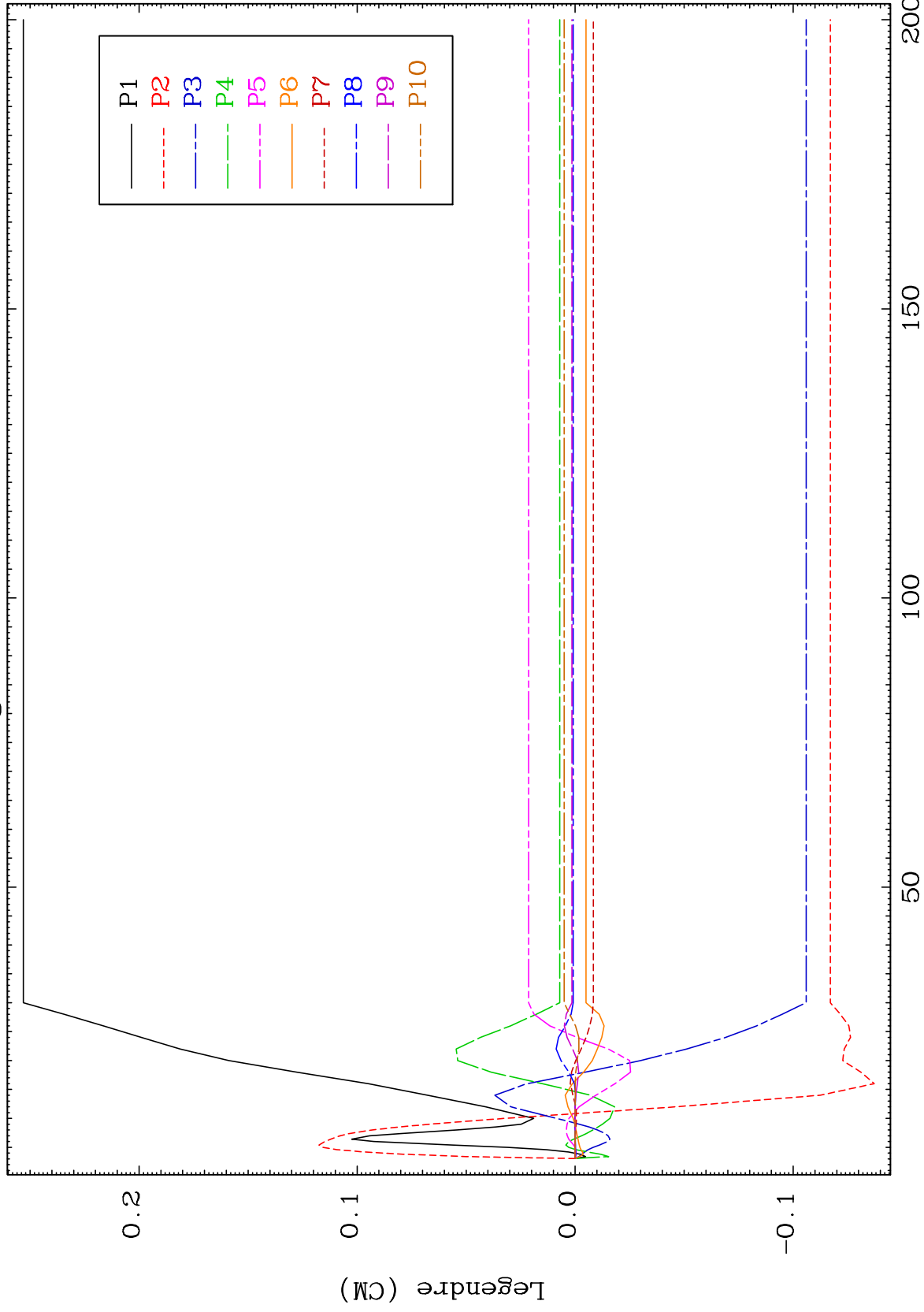
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70-Yb-156

MAT 6989

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

70-Yb-156



40

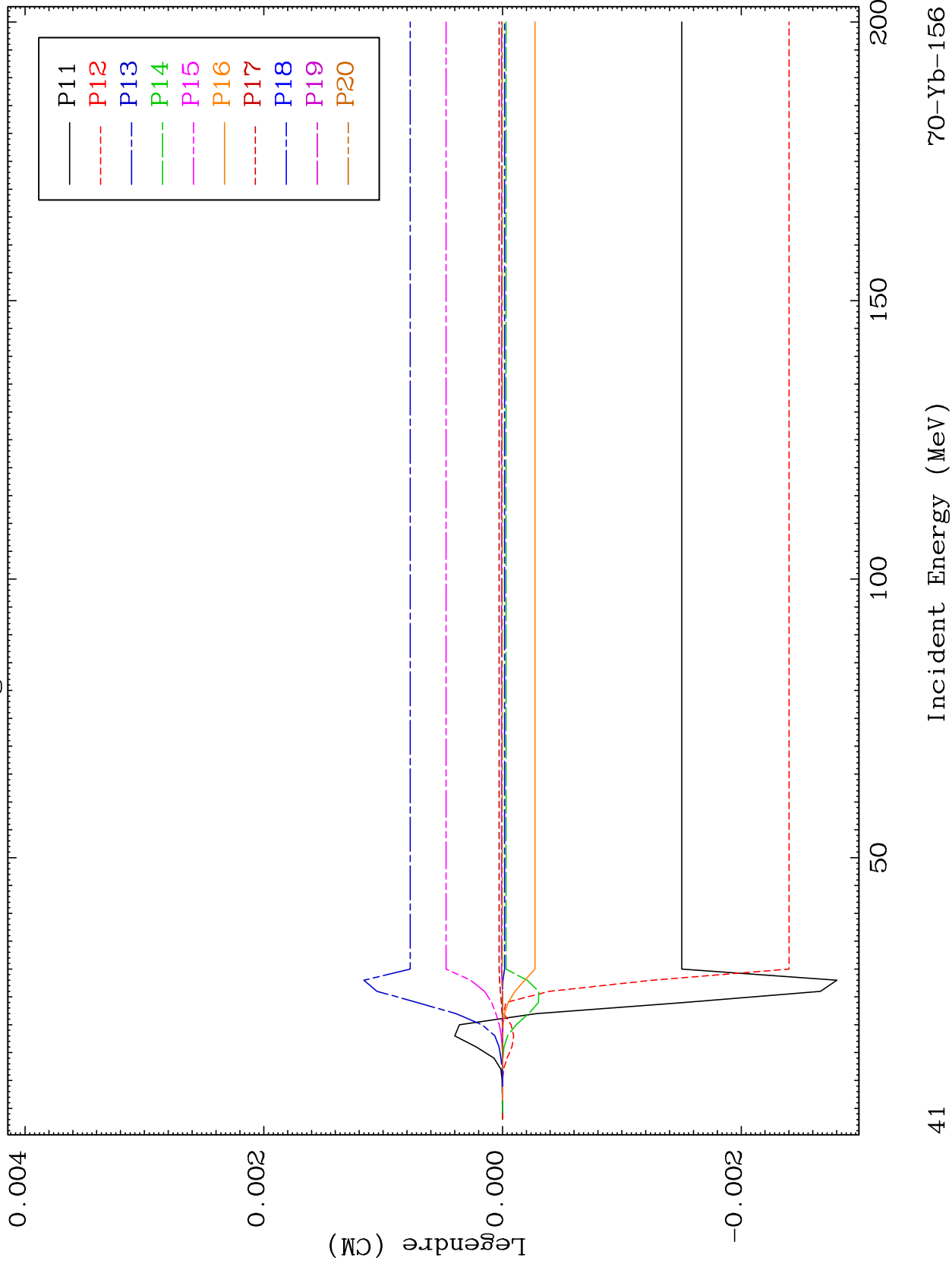
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



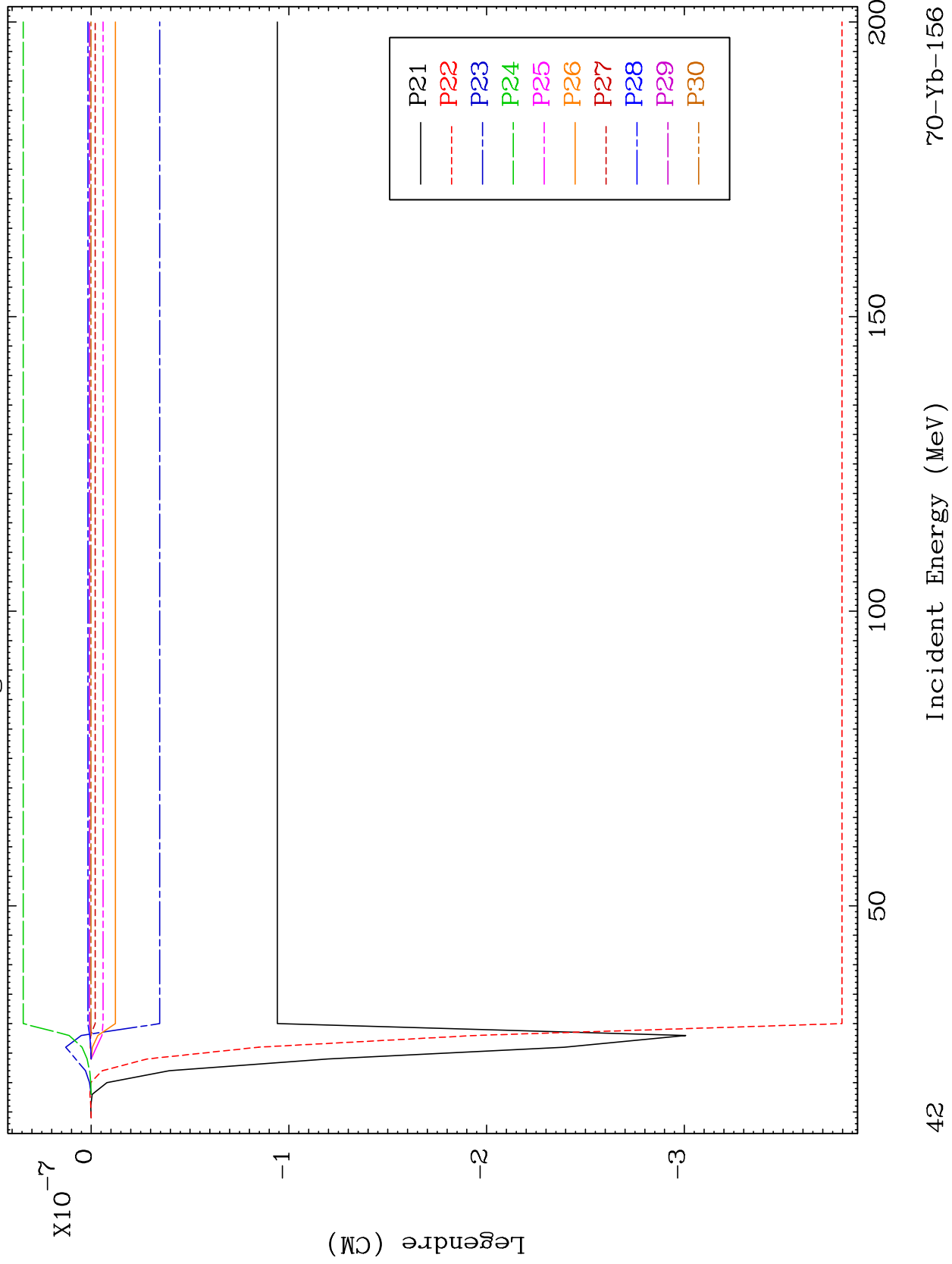
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70-Yb-156

MAT 6989

70-Yb-156

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



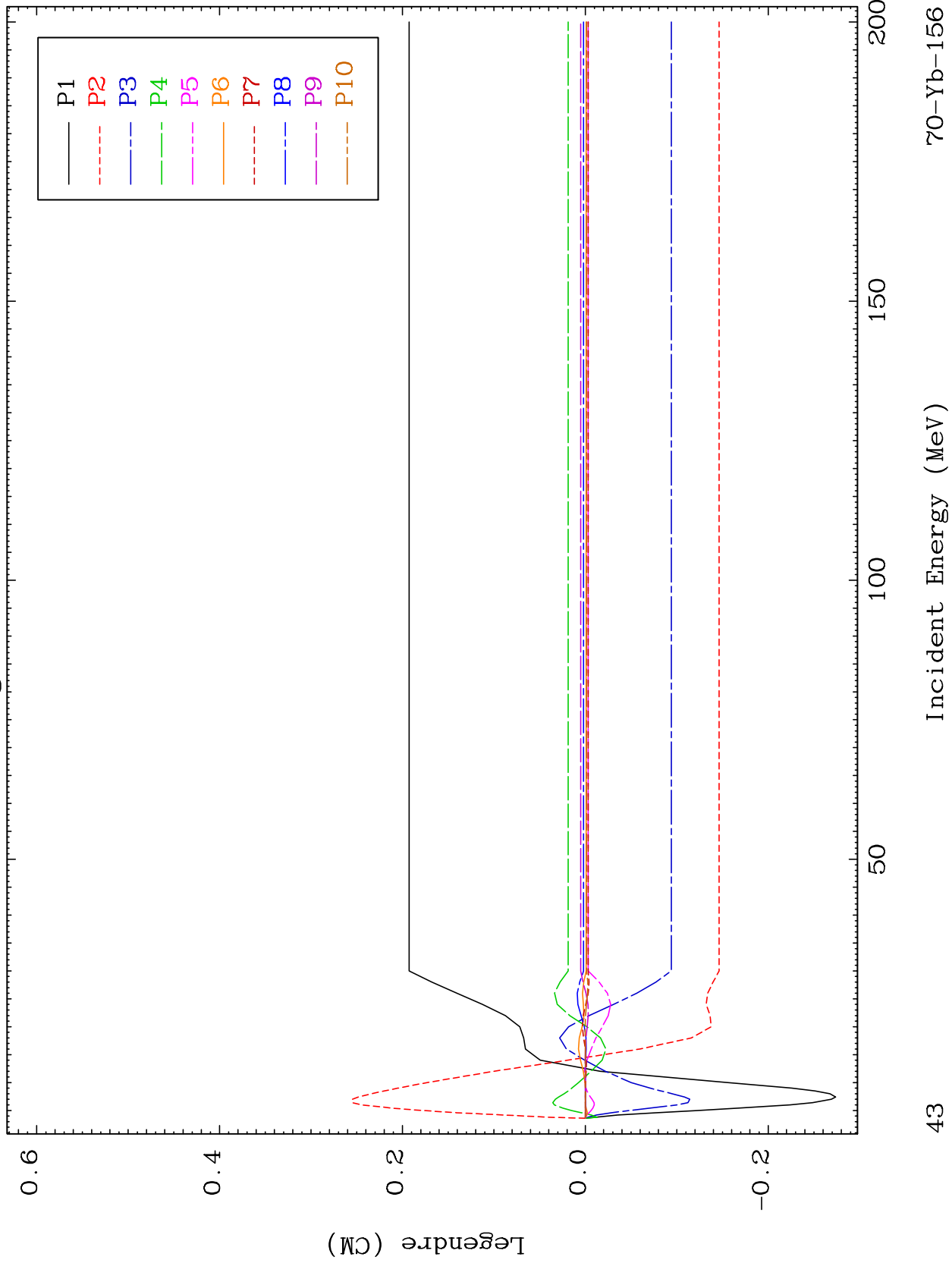
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70-Yb-156

MAT 6989

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

70-Yb-156



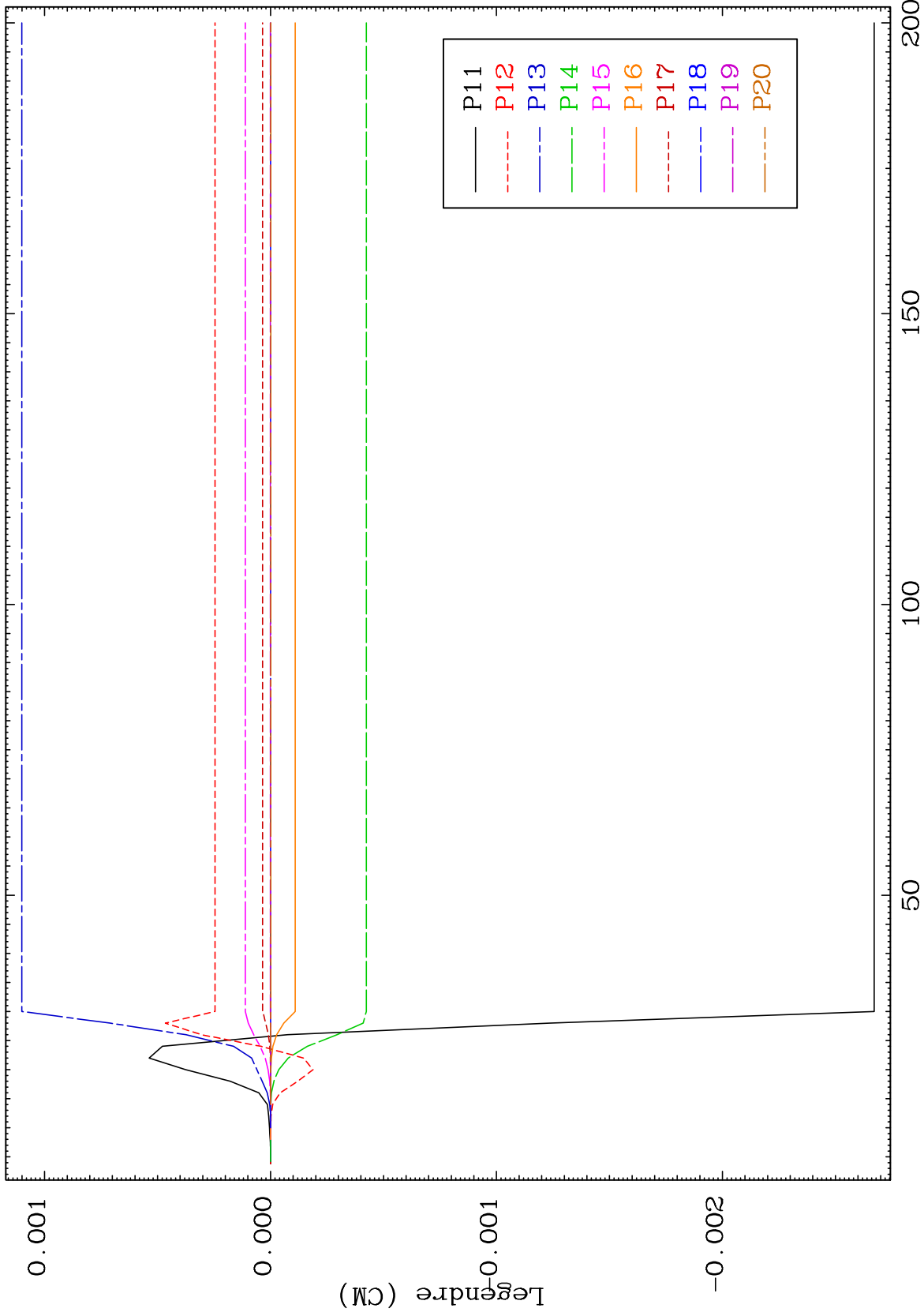
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70-Yb-156

MAT 6989

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

70-Yb-156



44

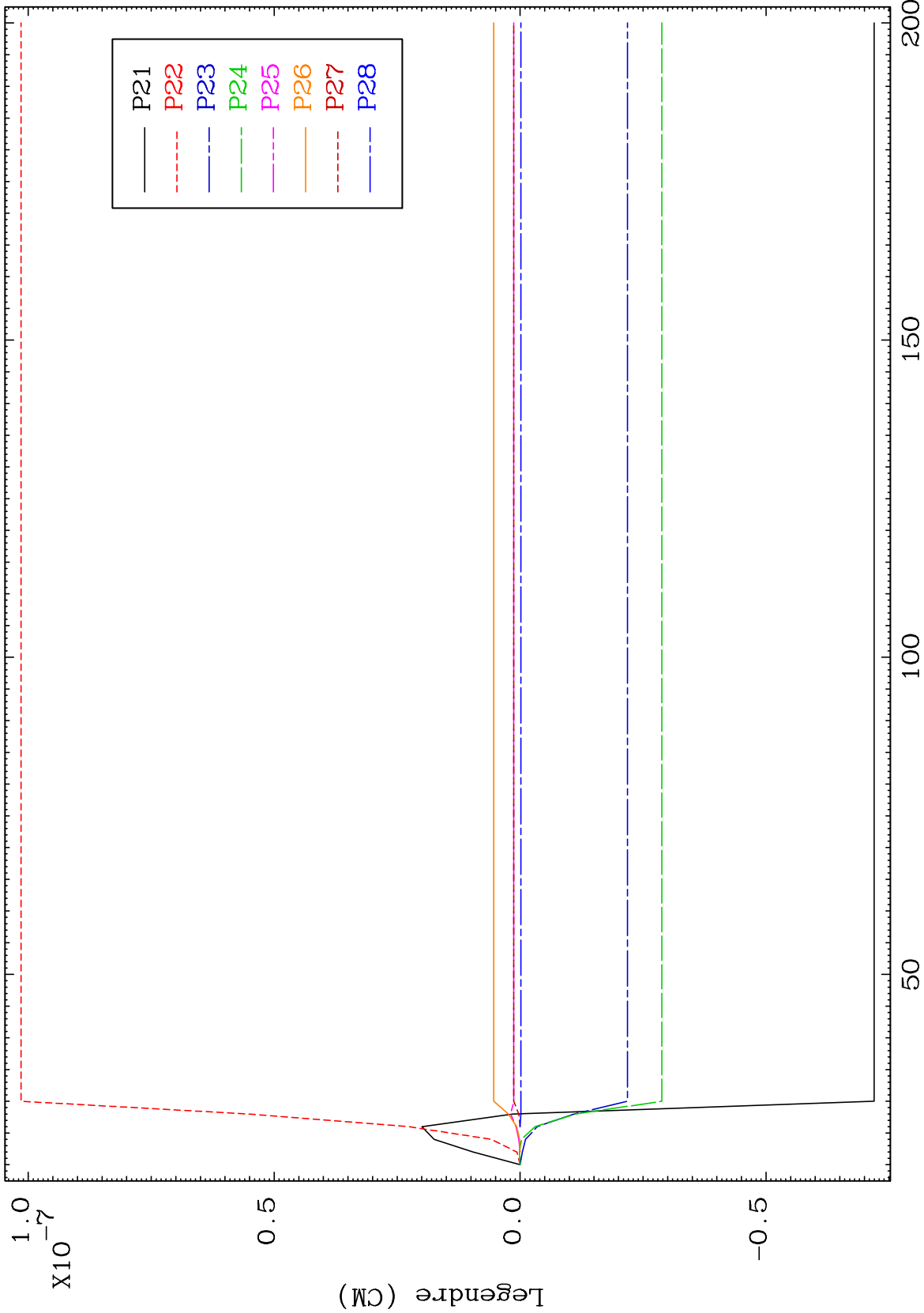
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



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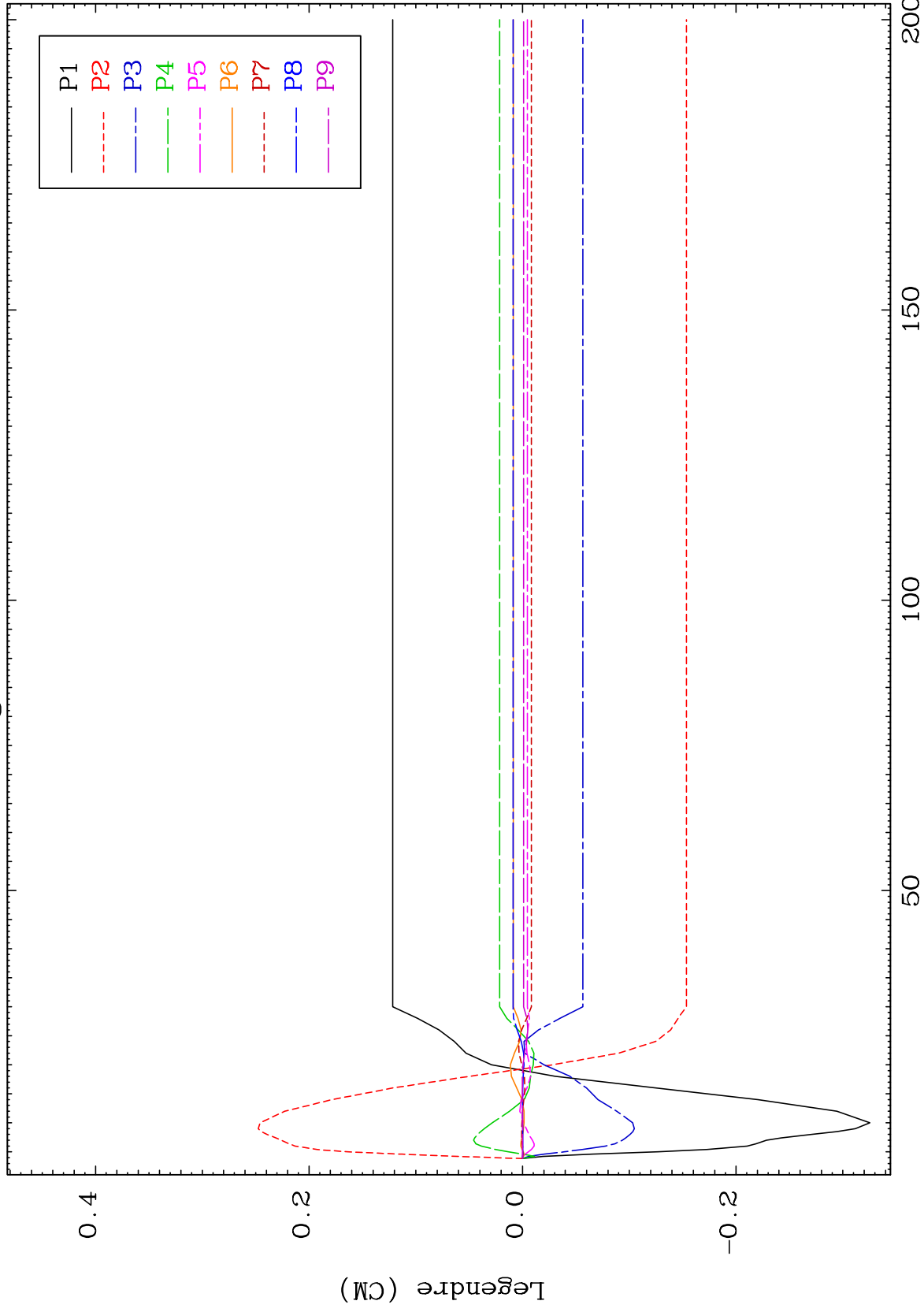
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



46

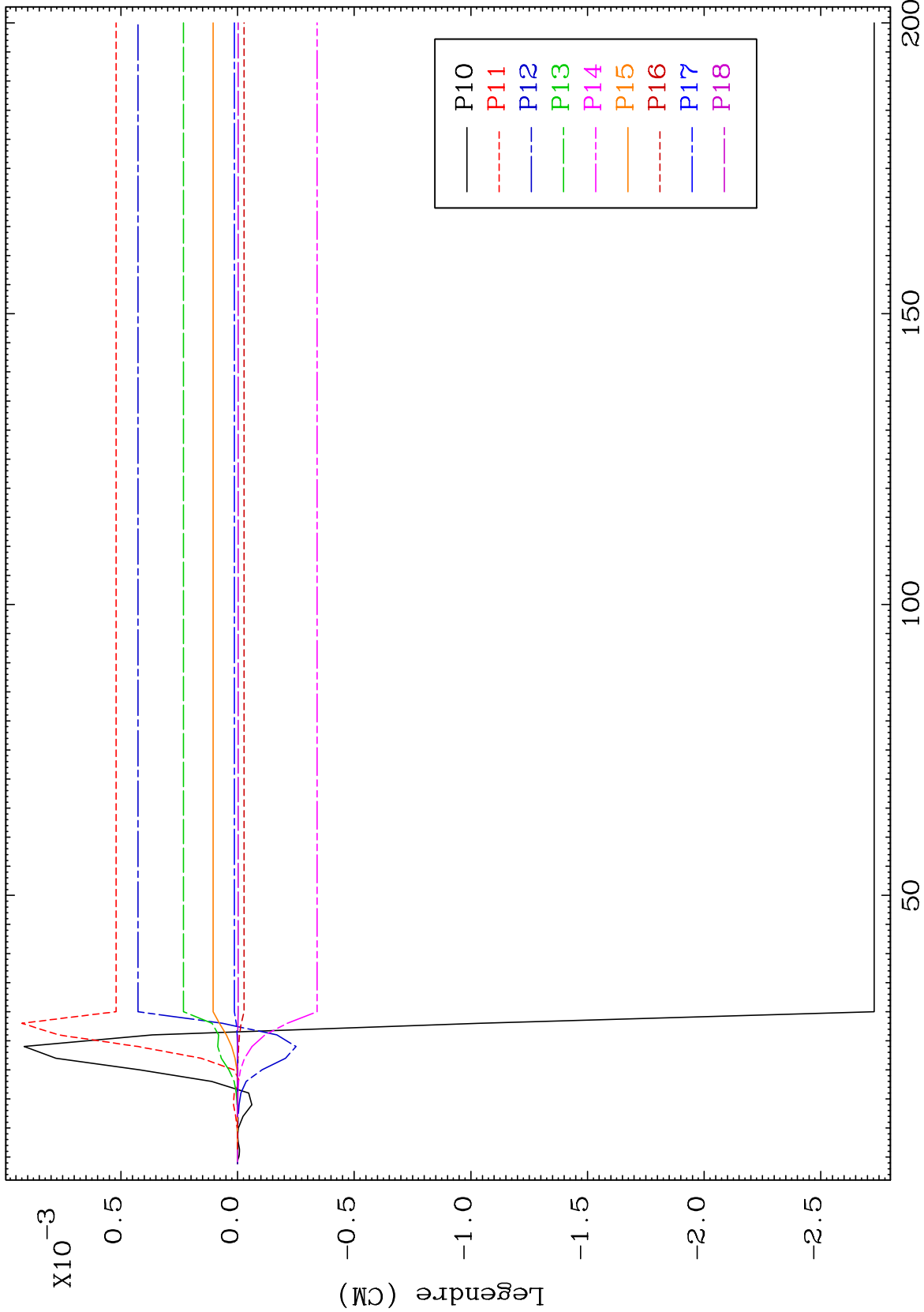
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

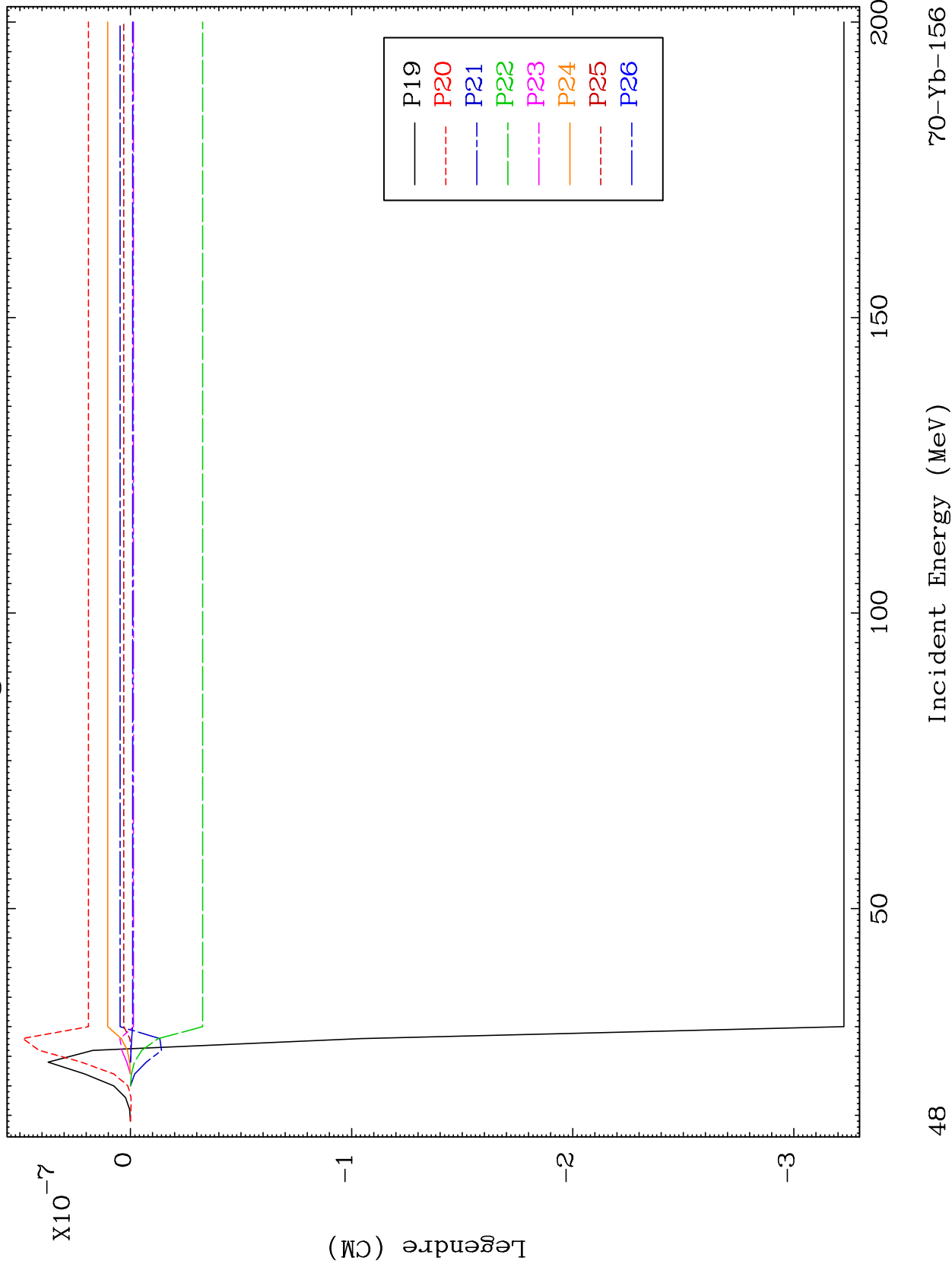
70-Yb-156



MAT 6989

70-Yb-156

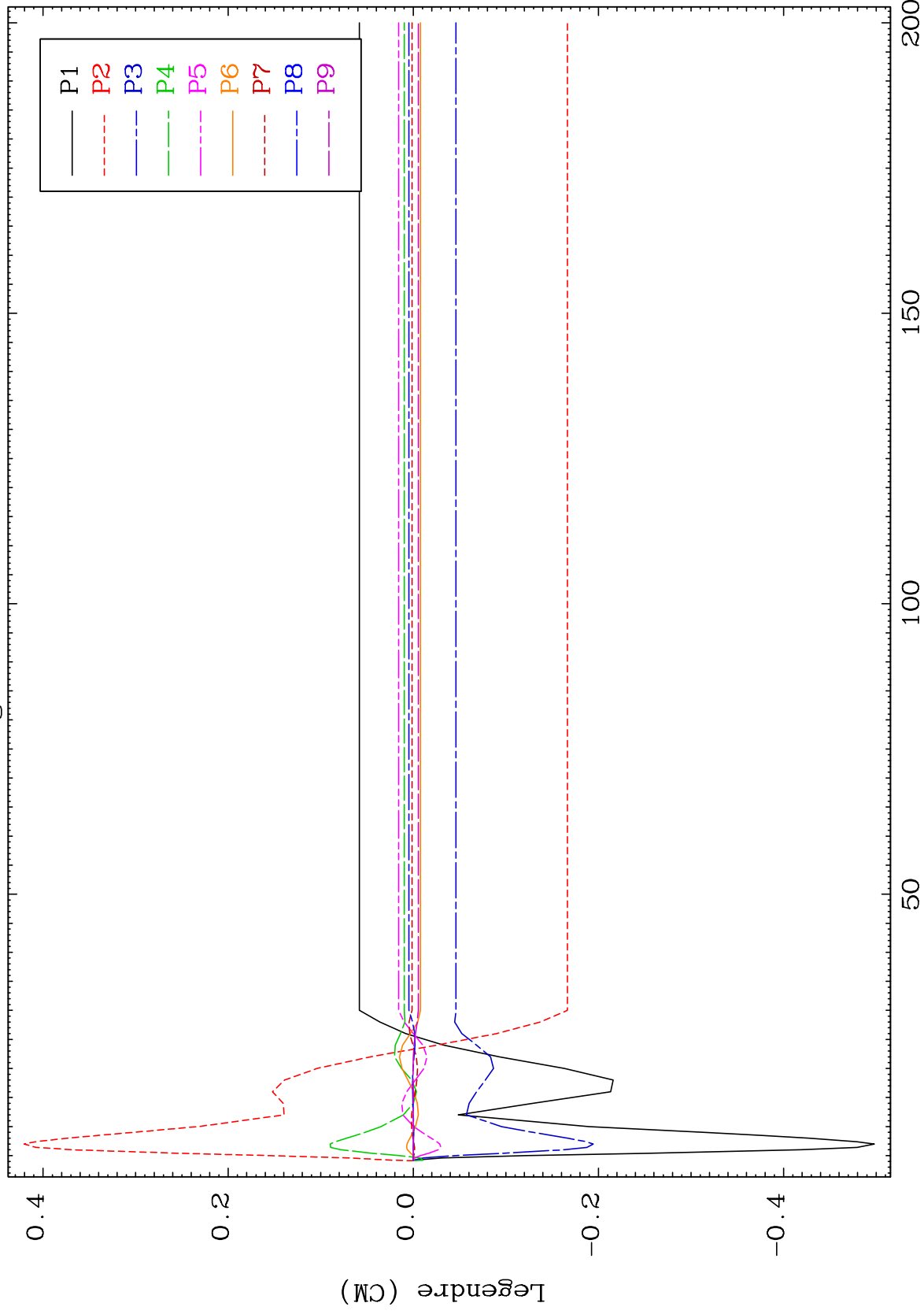
MT= 58 (n,n') Level  
Legendre Coefficients



MAT 6989

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

70-Yb-156



49

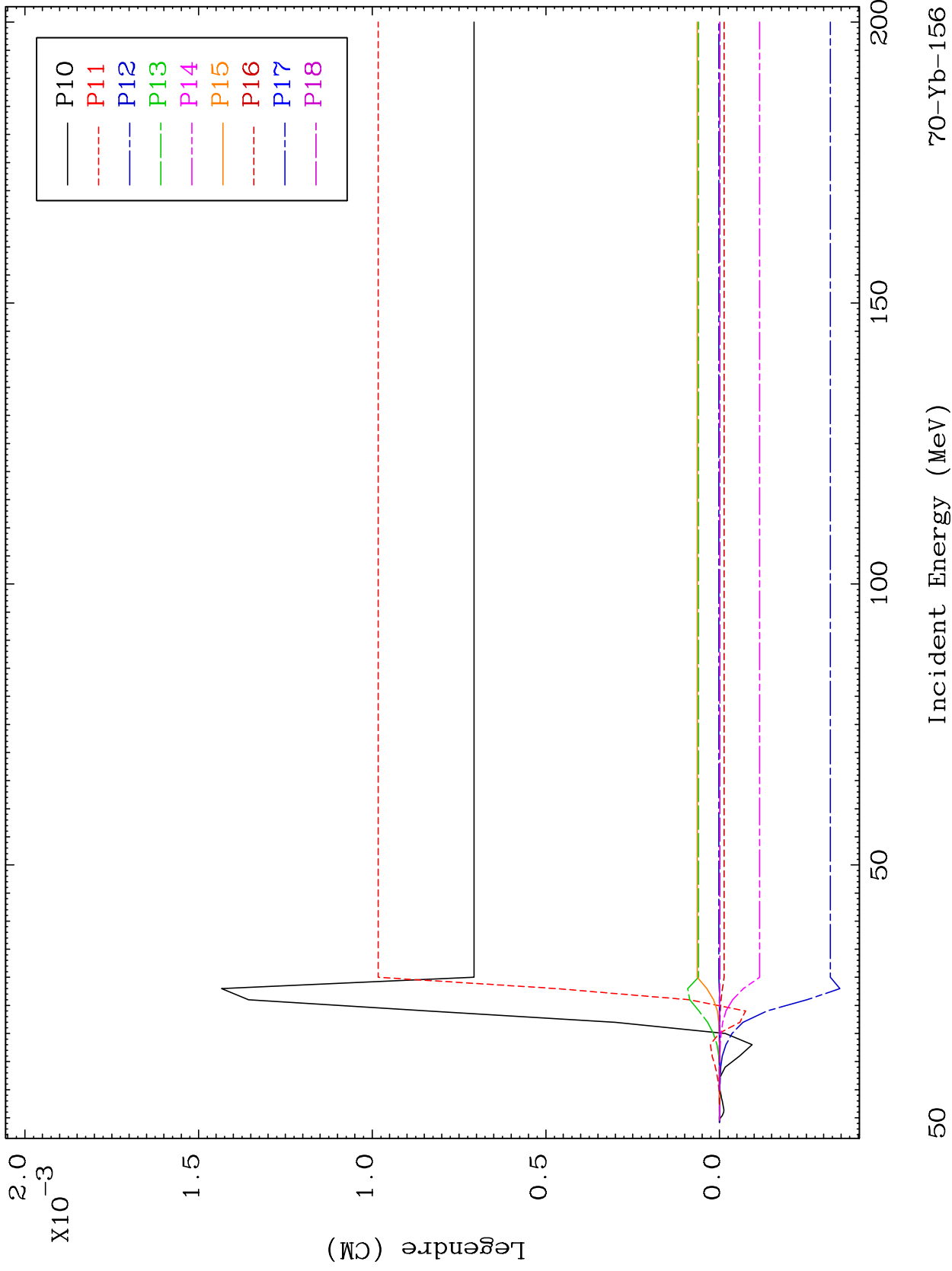
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



70-Yb-156

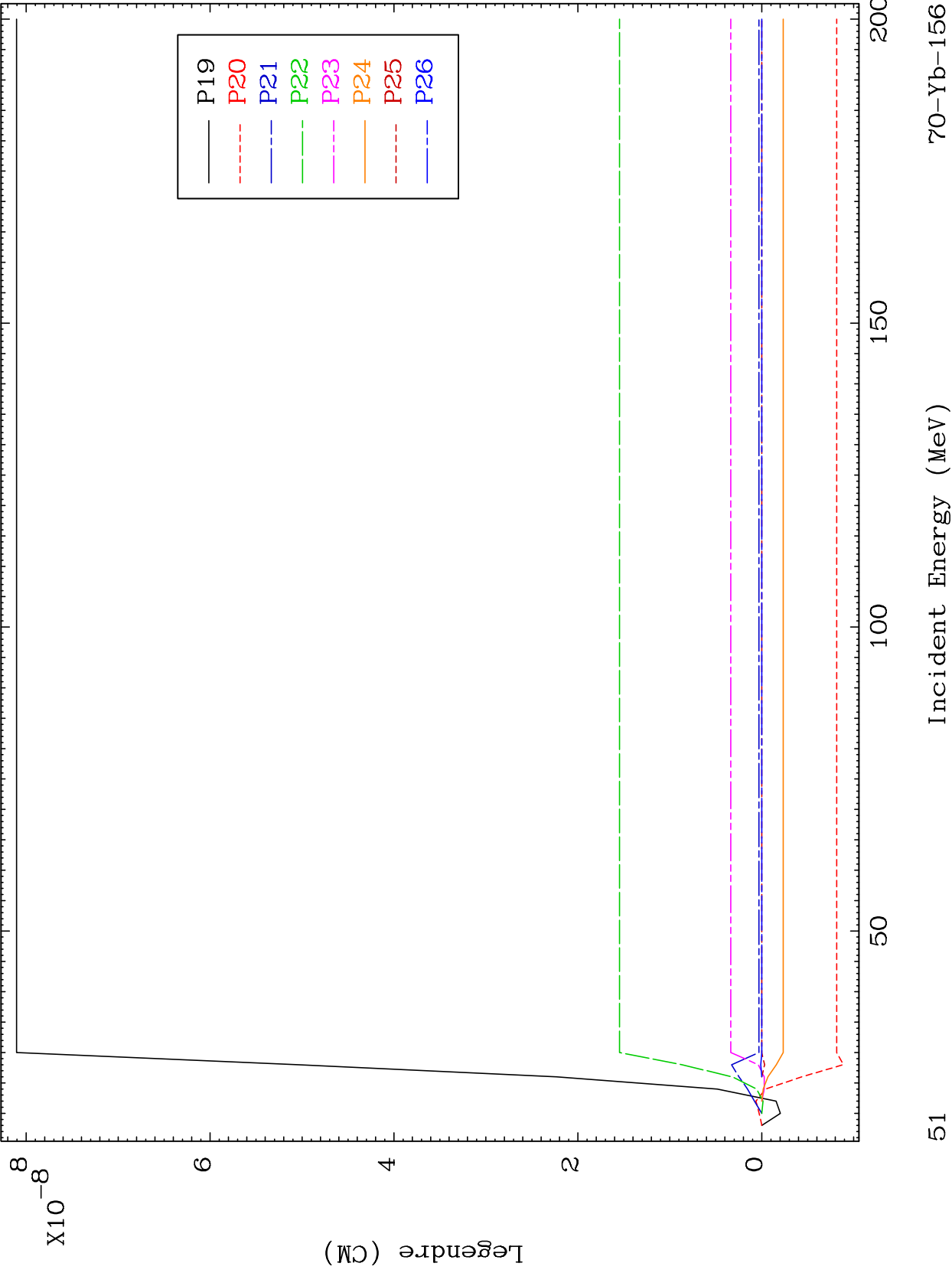
Incident Energy (MeV)

50

MAT 6989

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

70-Yb-156



51

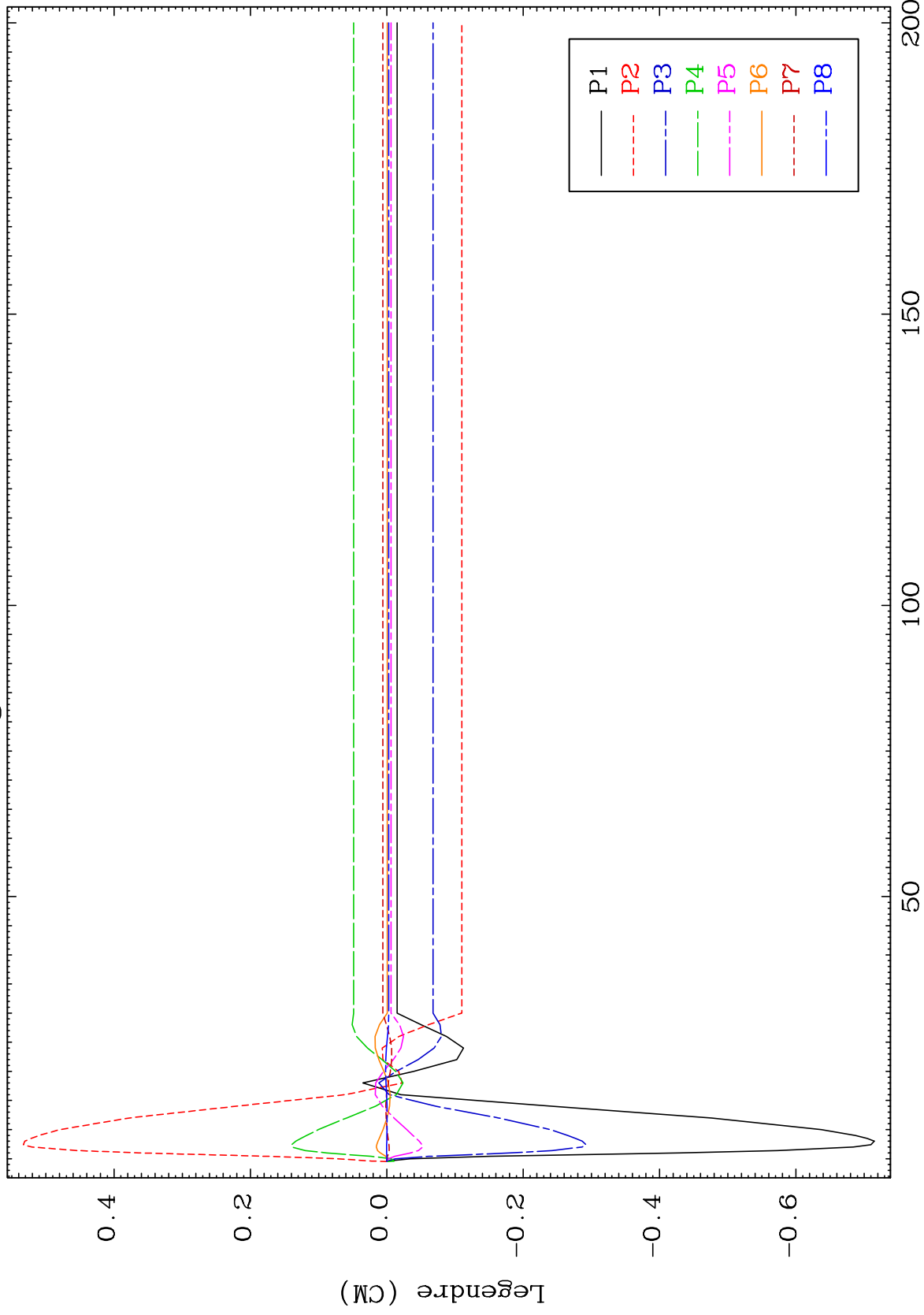
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



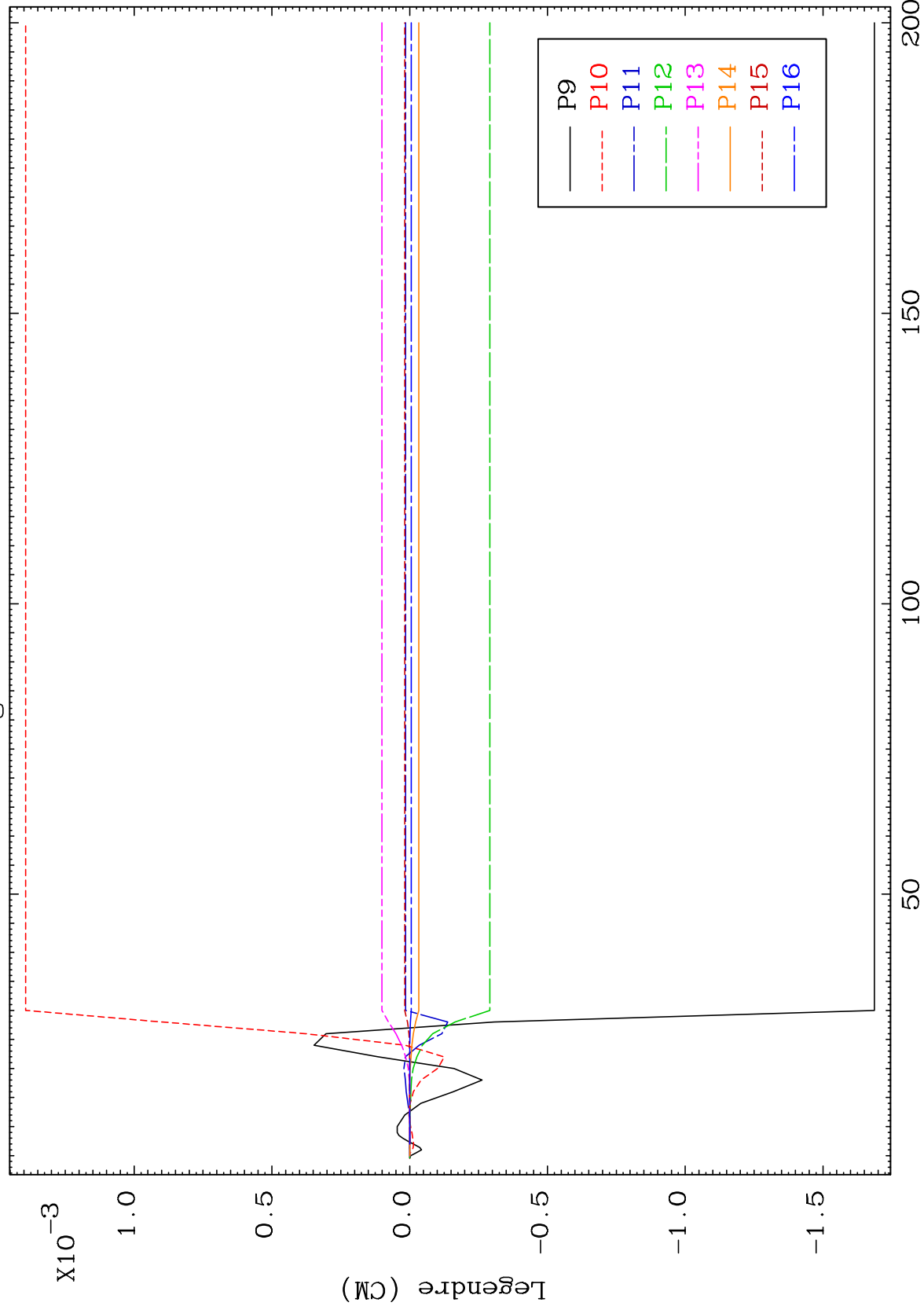
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70-Yb-156

MAT 6989

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

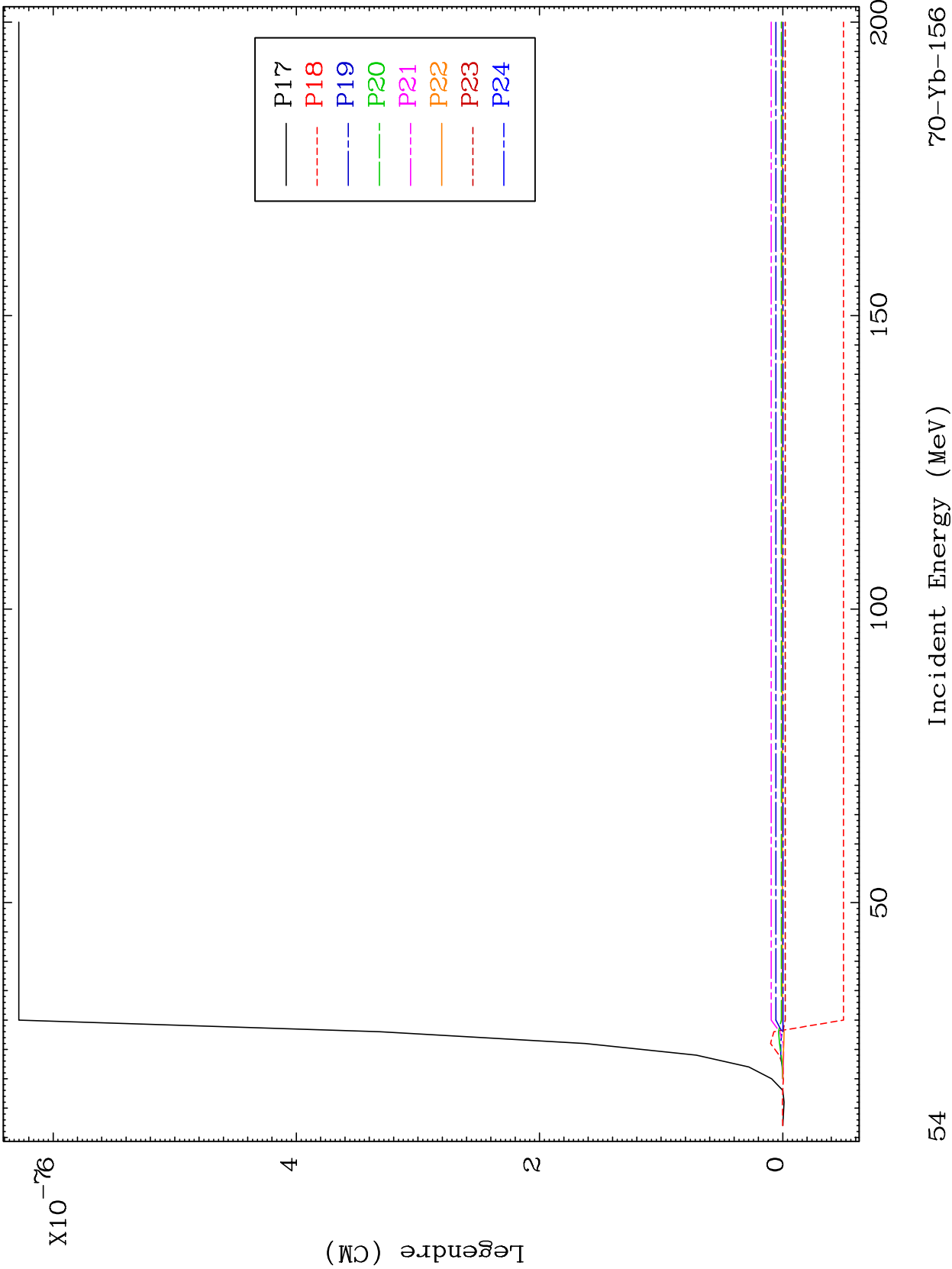
70-Yb-156



MAT 6989

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

70-Yb-156



54

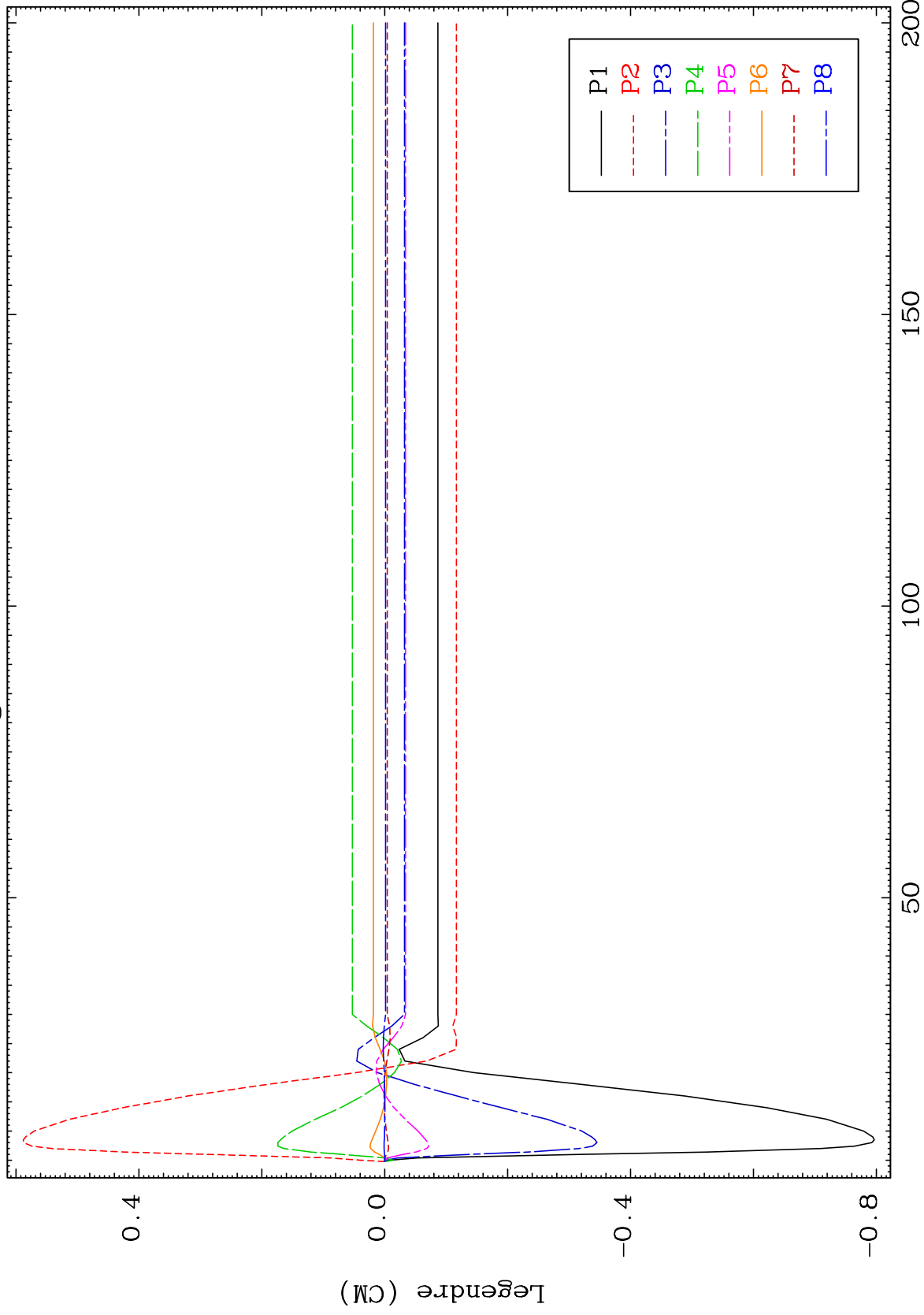
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



55

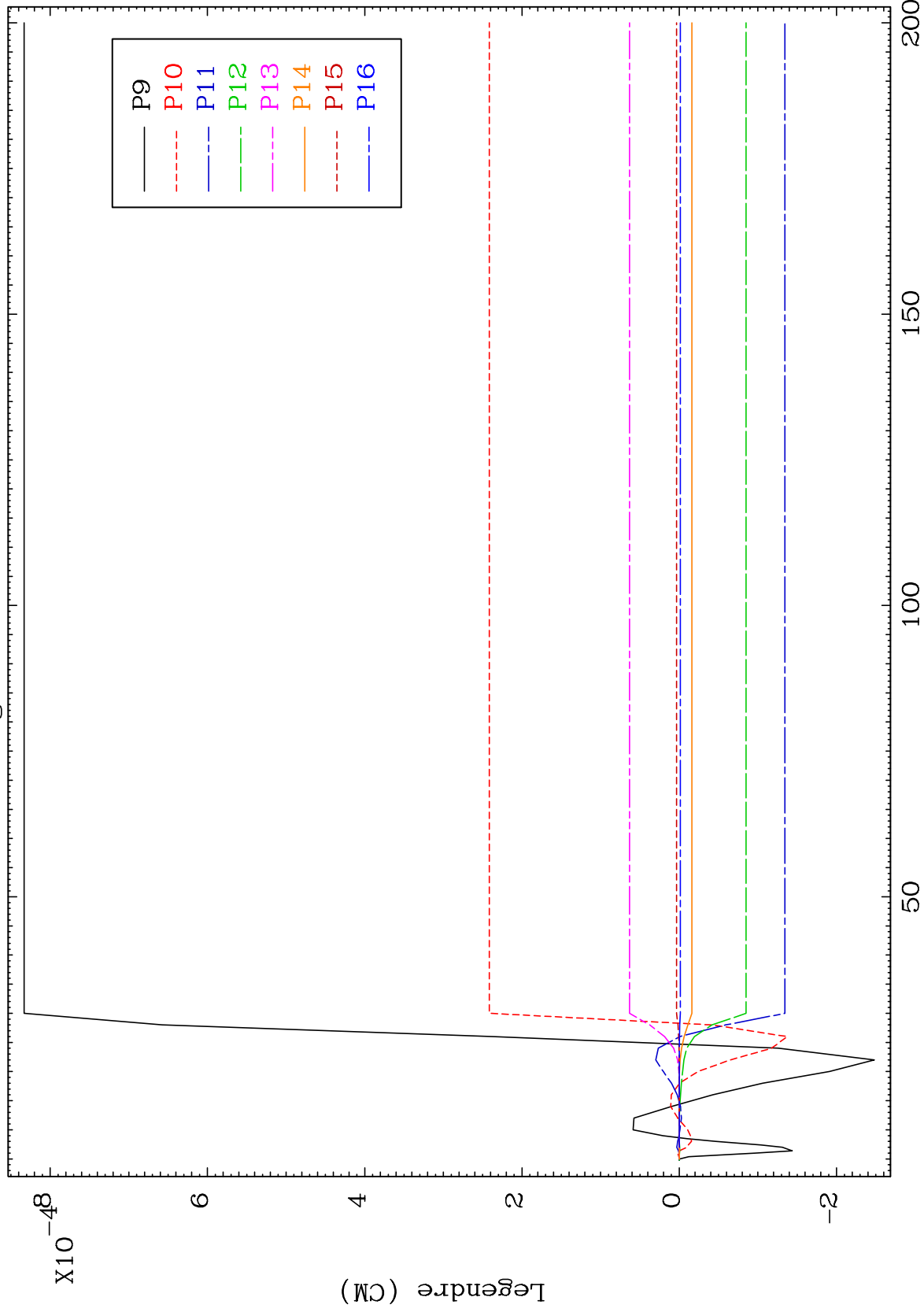
Incident Energy (MeV)

70-Yb-156

MAT 6989

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

70-Yb-156



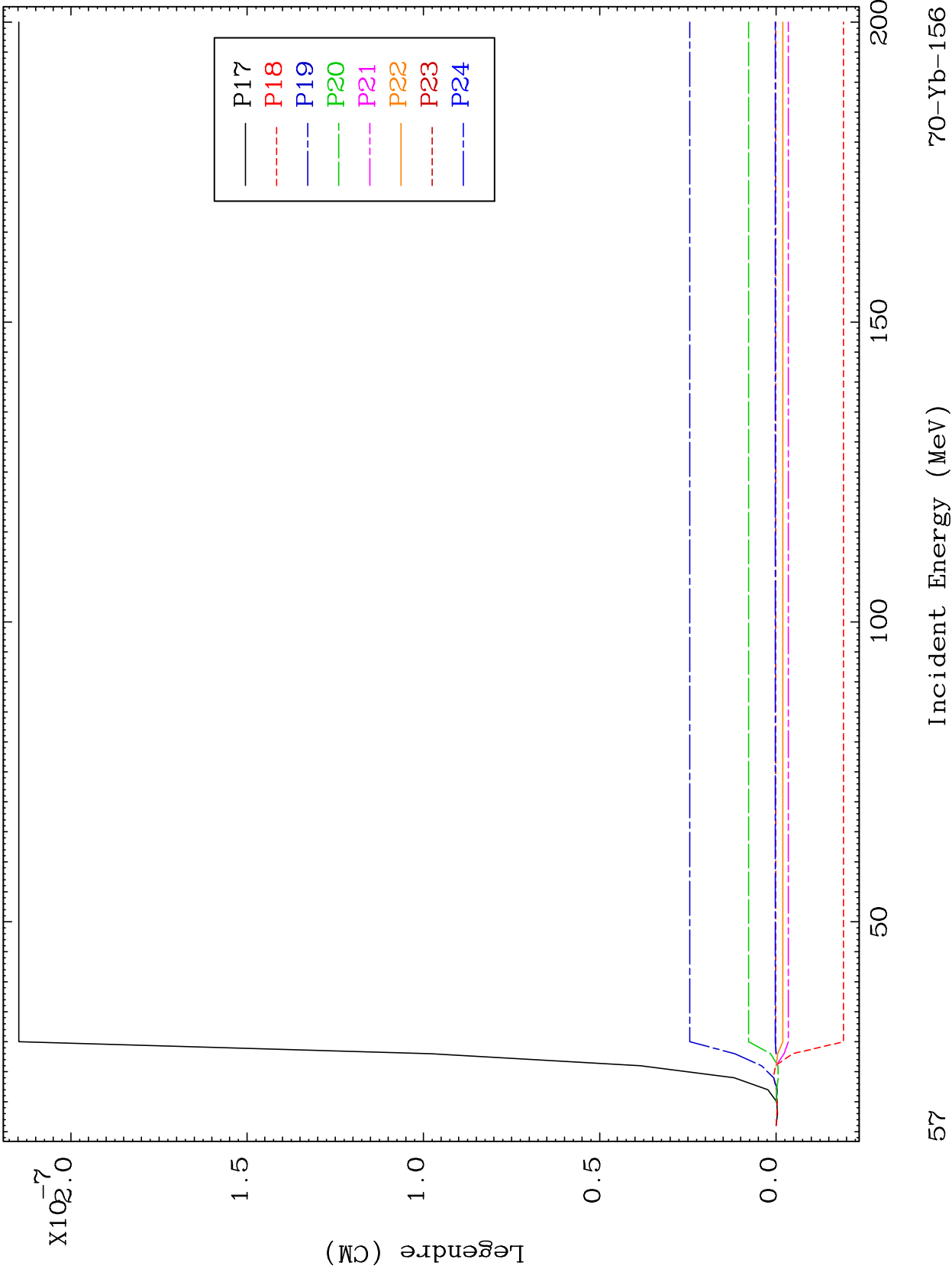
56

70-Yb-156

MAT 6989

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

70-Yb-156



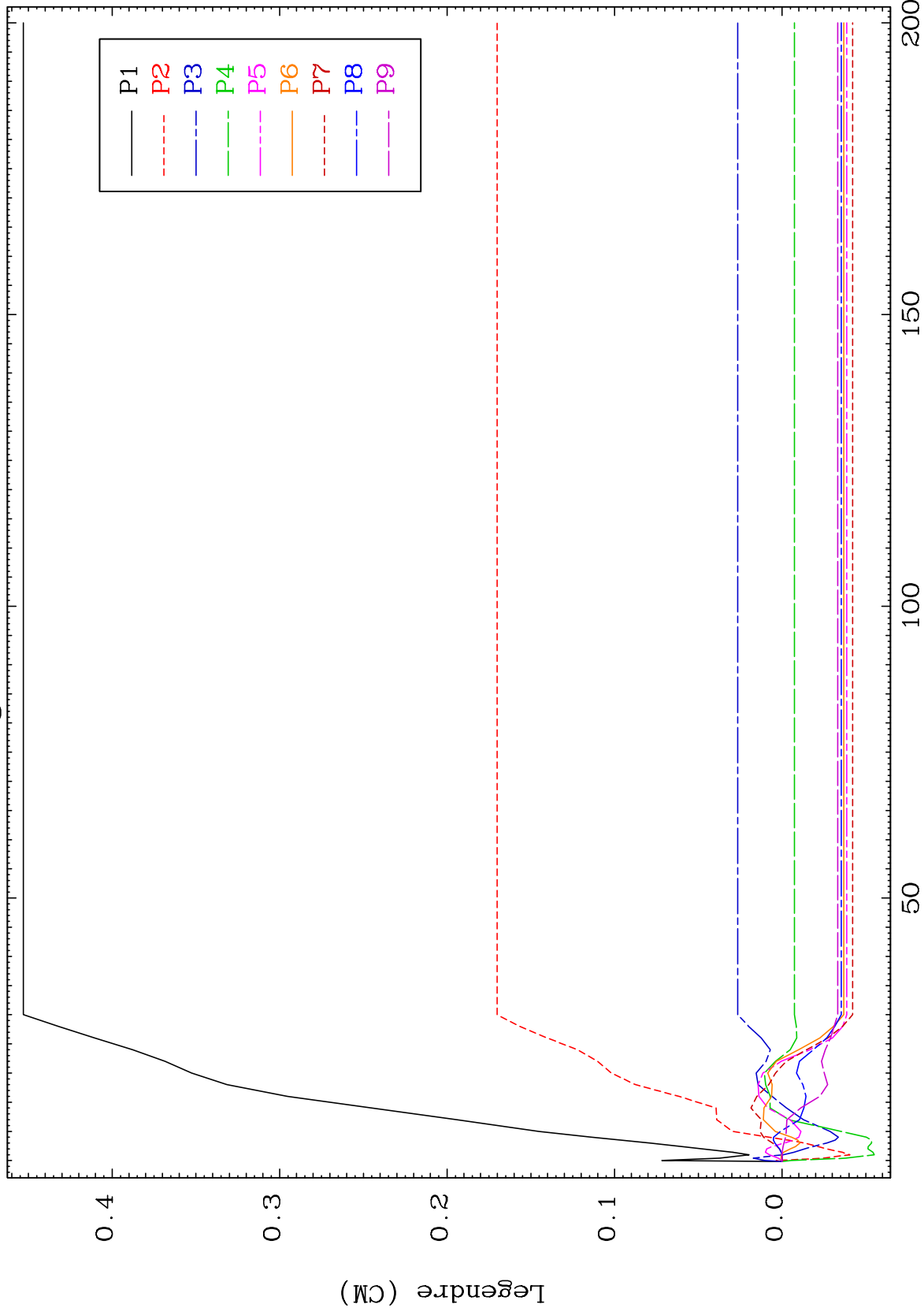
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70-Yb-156

MAT 6989

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

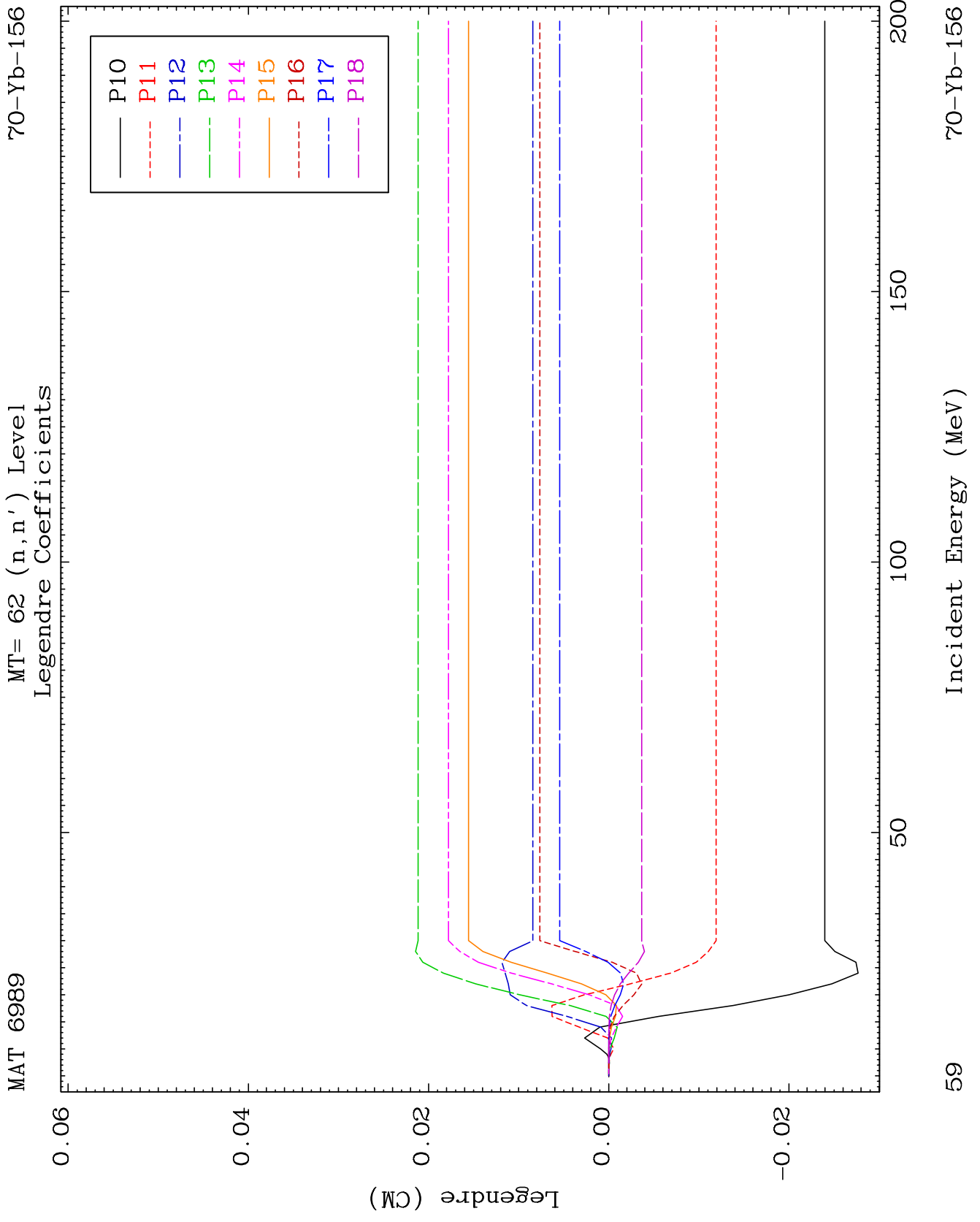
70-Yb-156



58

Incident Energy (MeV)

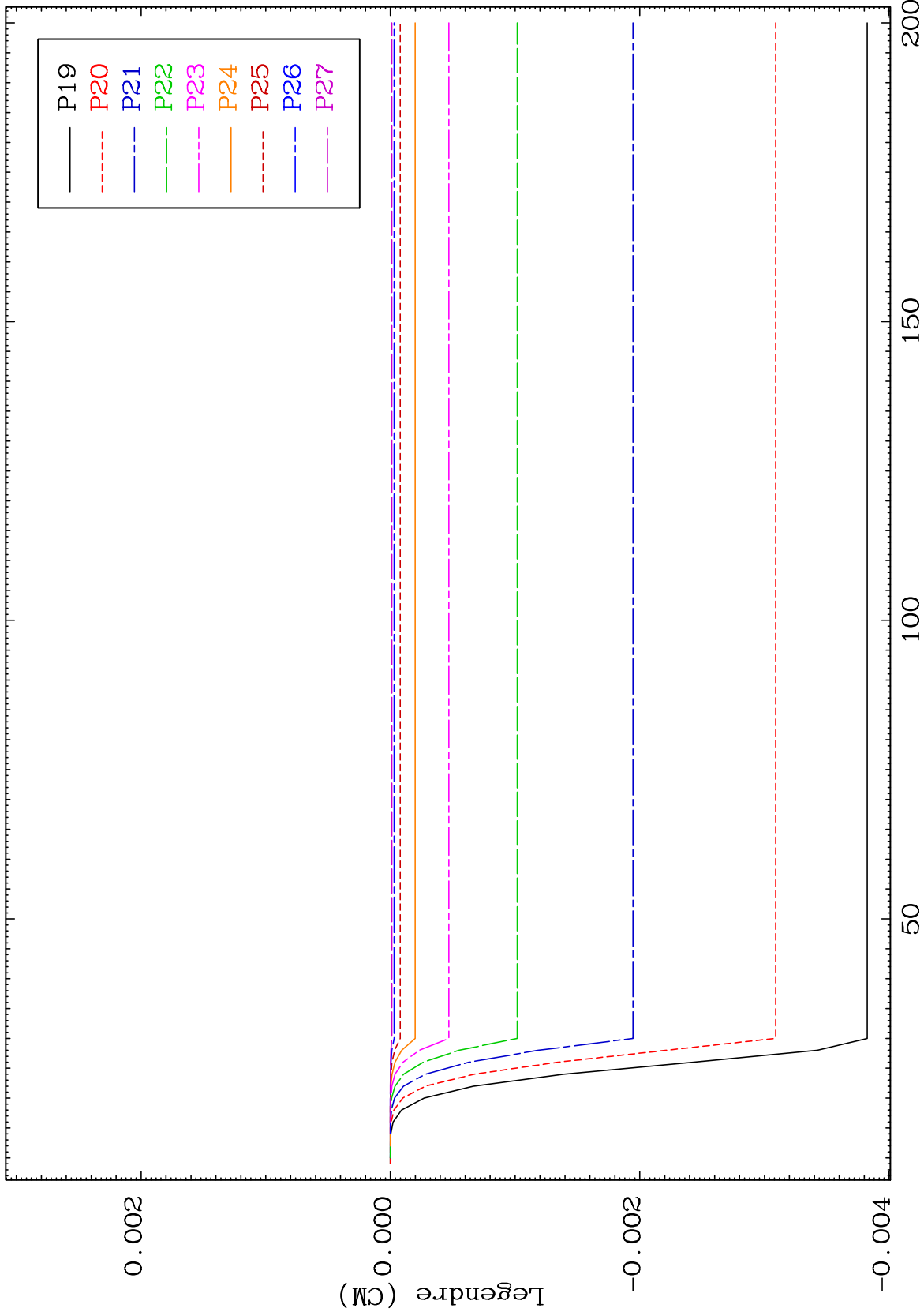
70-Yb-156



MAT 6989

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

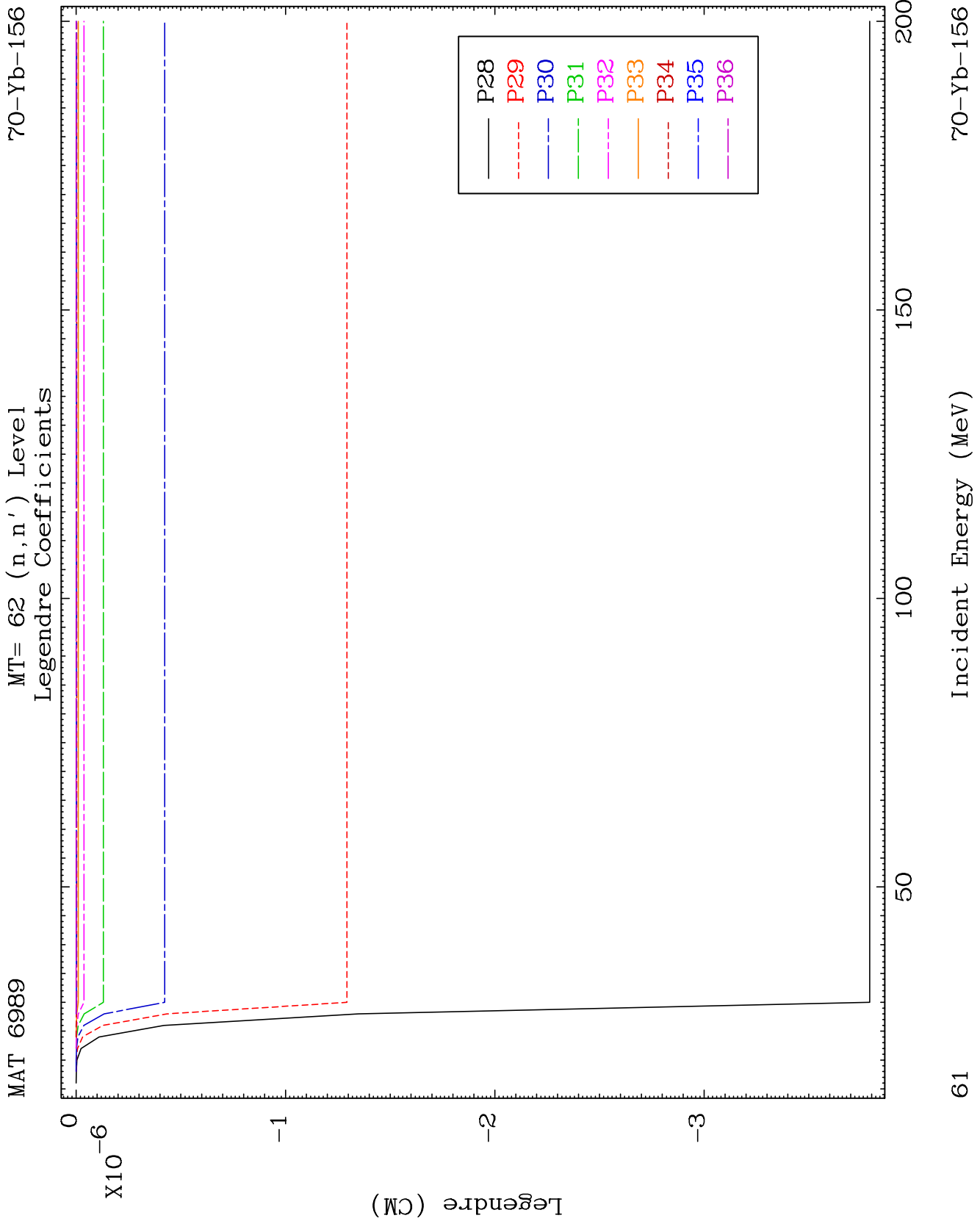
70-Yb-156



60

Incident Energy (MeV)

70-Yb-156

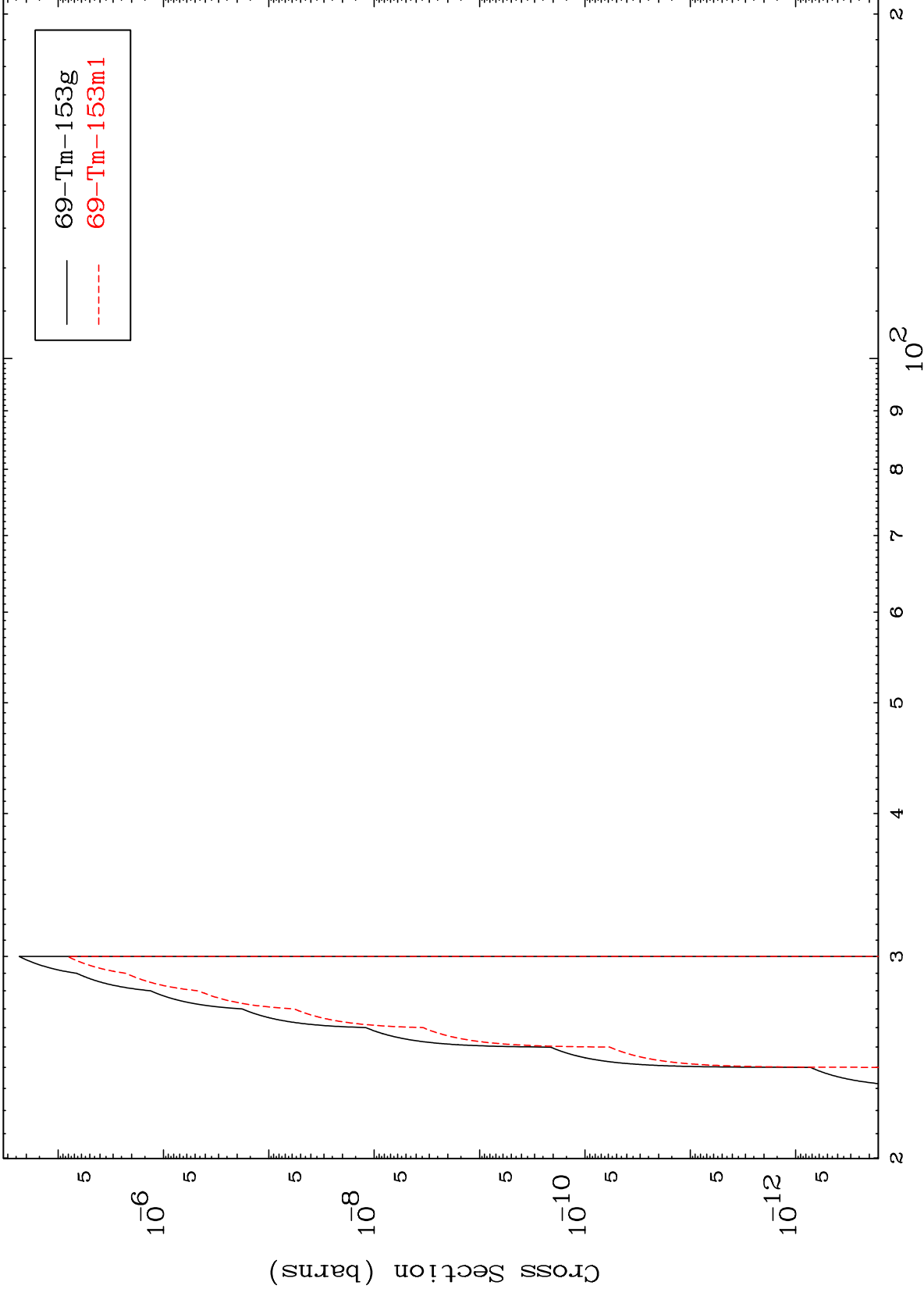


MAT 6989

(n,2n) d

70-Yb-156

Radionuclide Production Cross Section



62

Incident Energy (MeV)

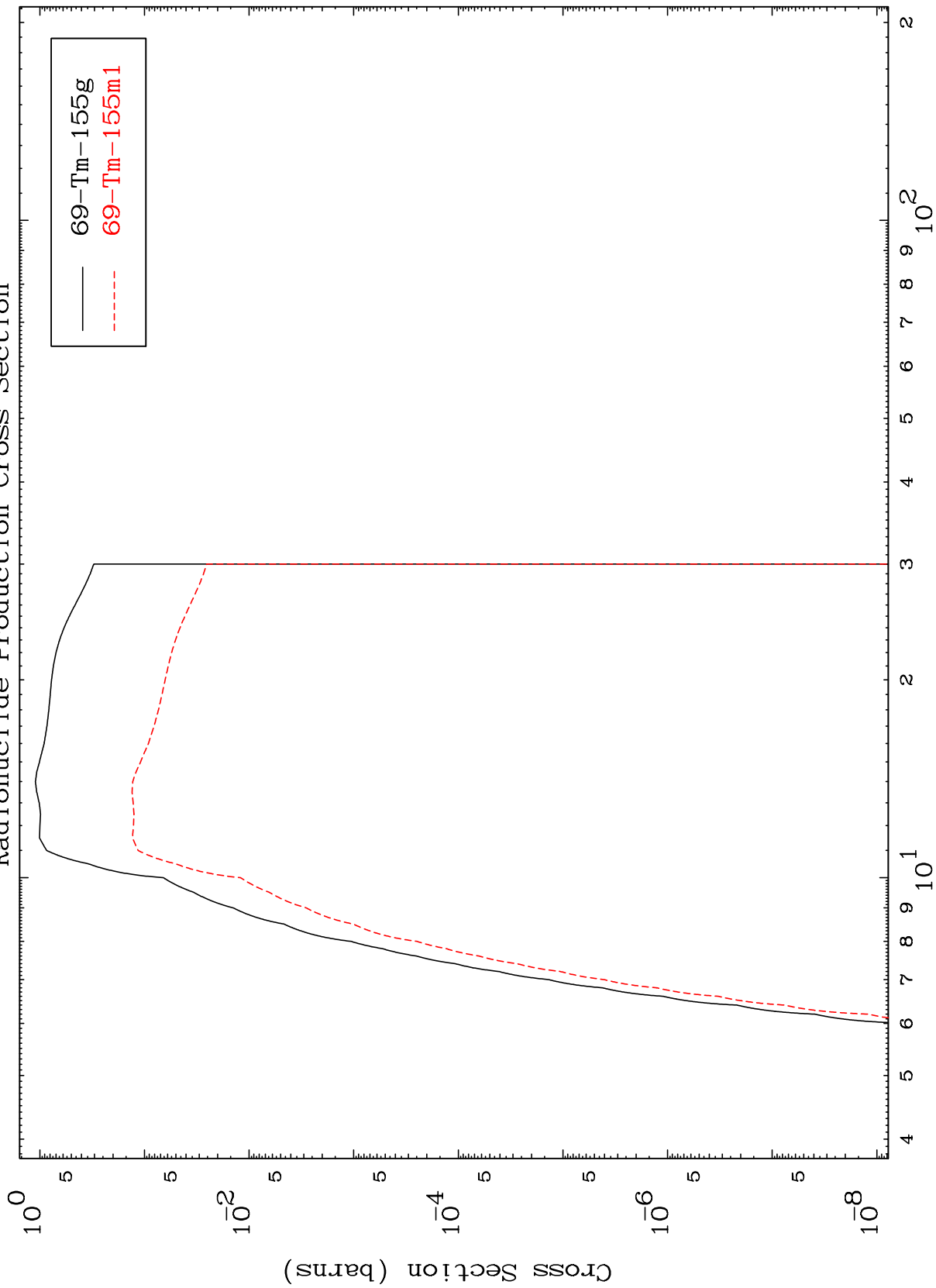
70-Yb-156

MAT 6989

(n,n') p

70-Yb-156

Radionuclide Production Cross Section



63

Incident Energy (MeV)

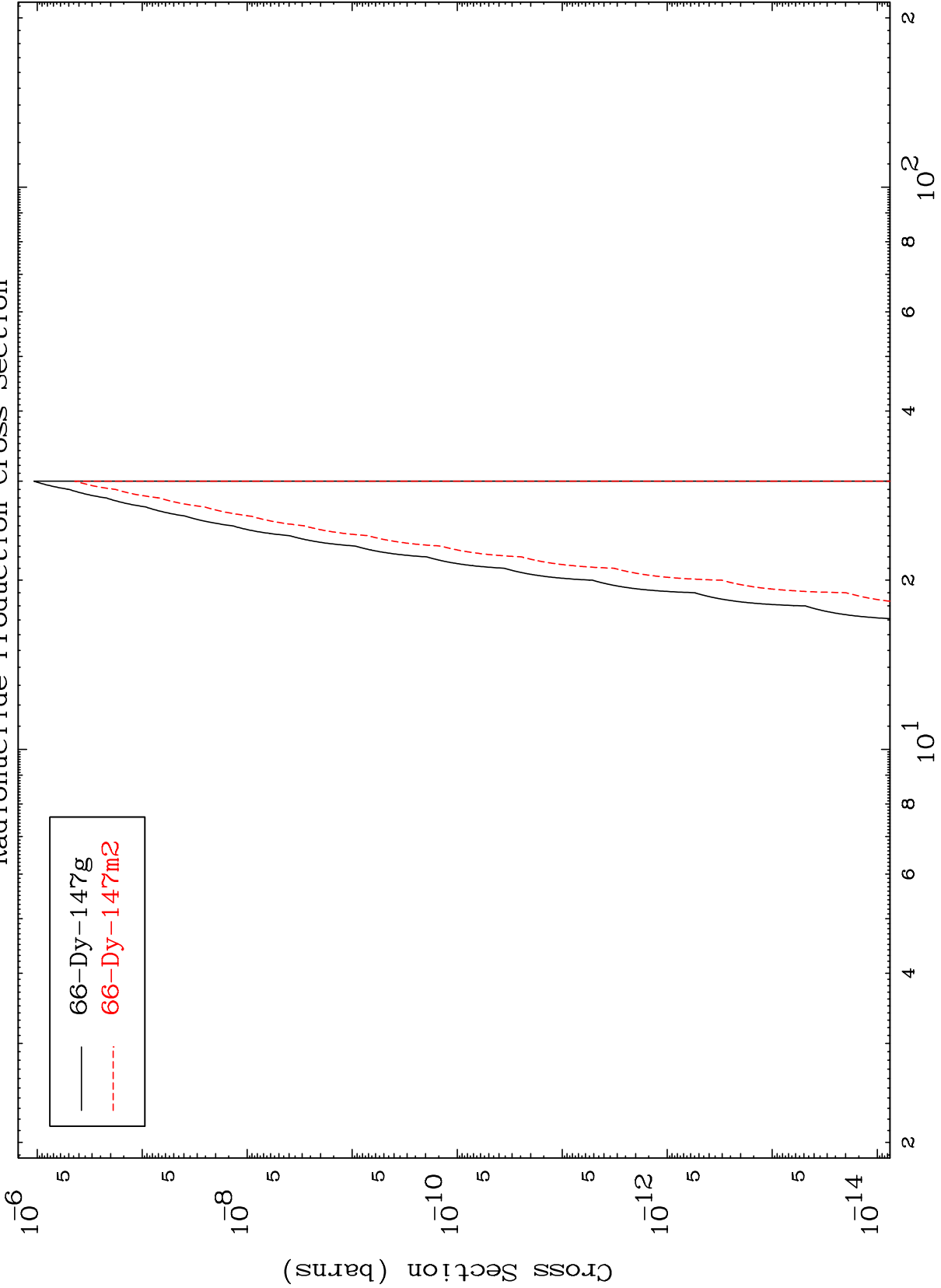
70-Yb-156

MAT 6989

(n,2n) 2 $\alpha$

70-Yb-156

Radionuclide Production Cross Section



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

64

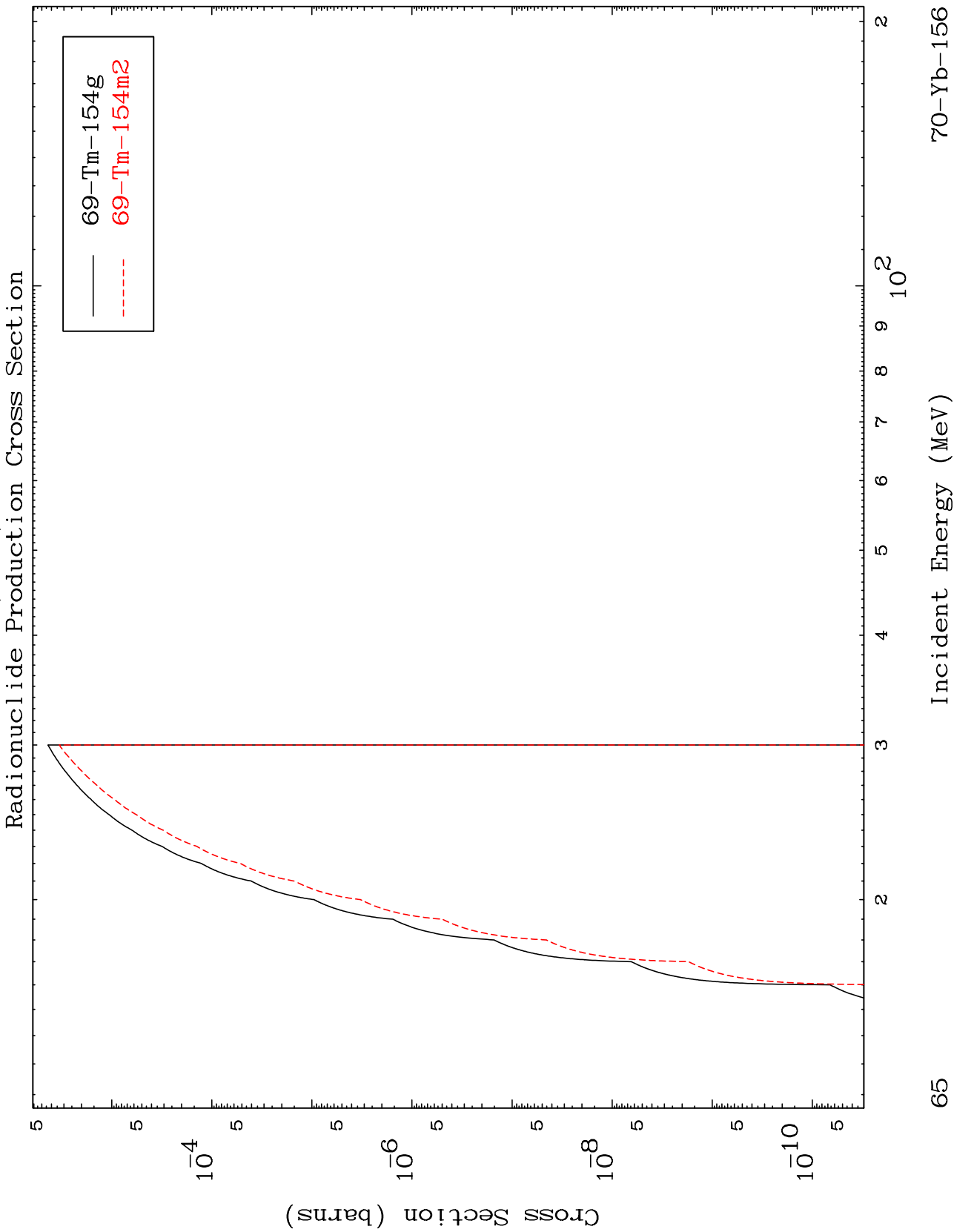
Incident Energy (MeV)

70-Yb-156

MAT 6989

(n,n') d

70-Yb-156



65

Incident Energy (MeV)

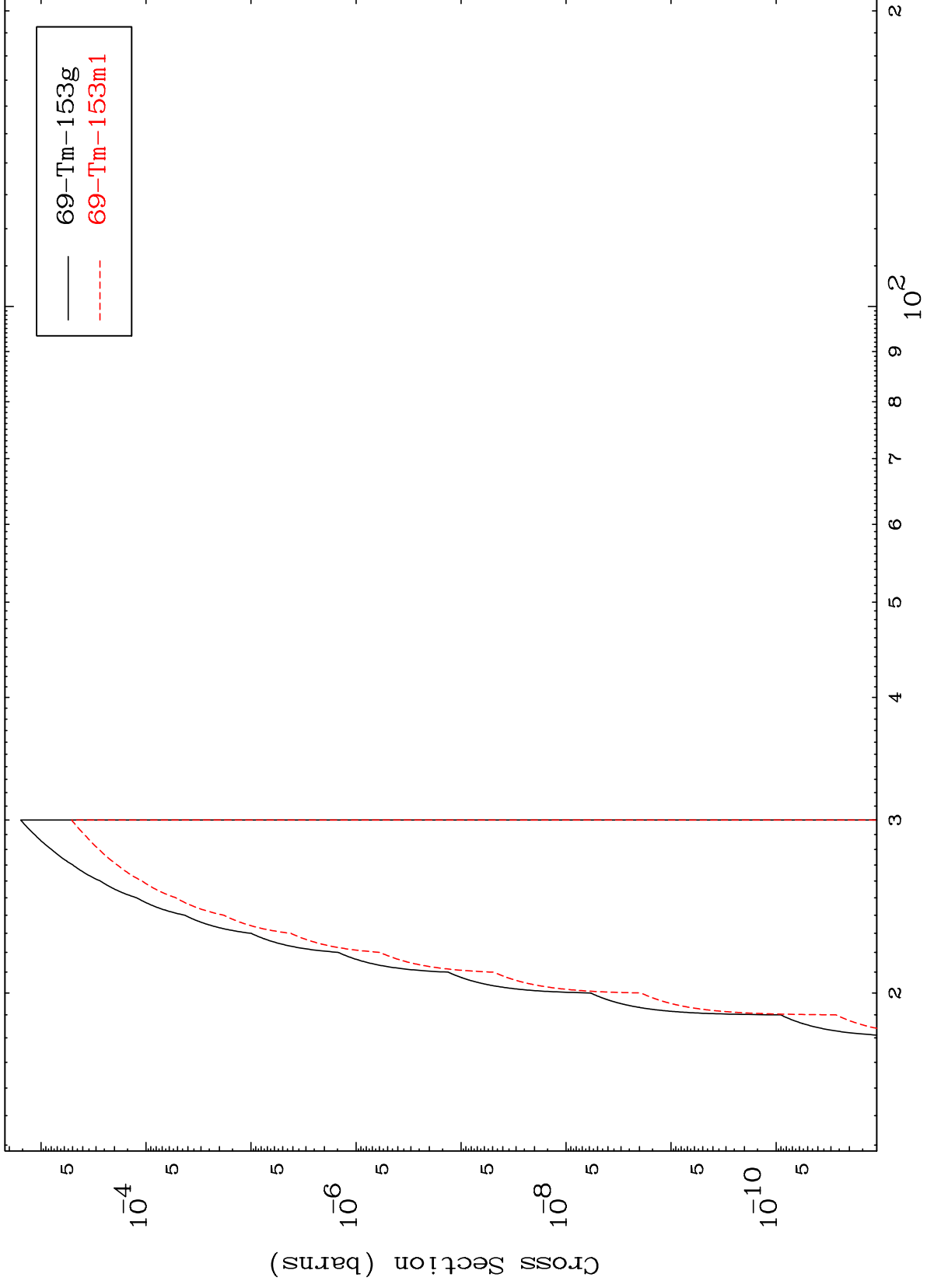
70-Yb-156

MAT 6989

(n,n') t

70-Yb-156

Radionuclide Production Cross Section



66

Incident Energy (MeV)

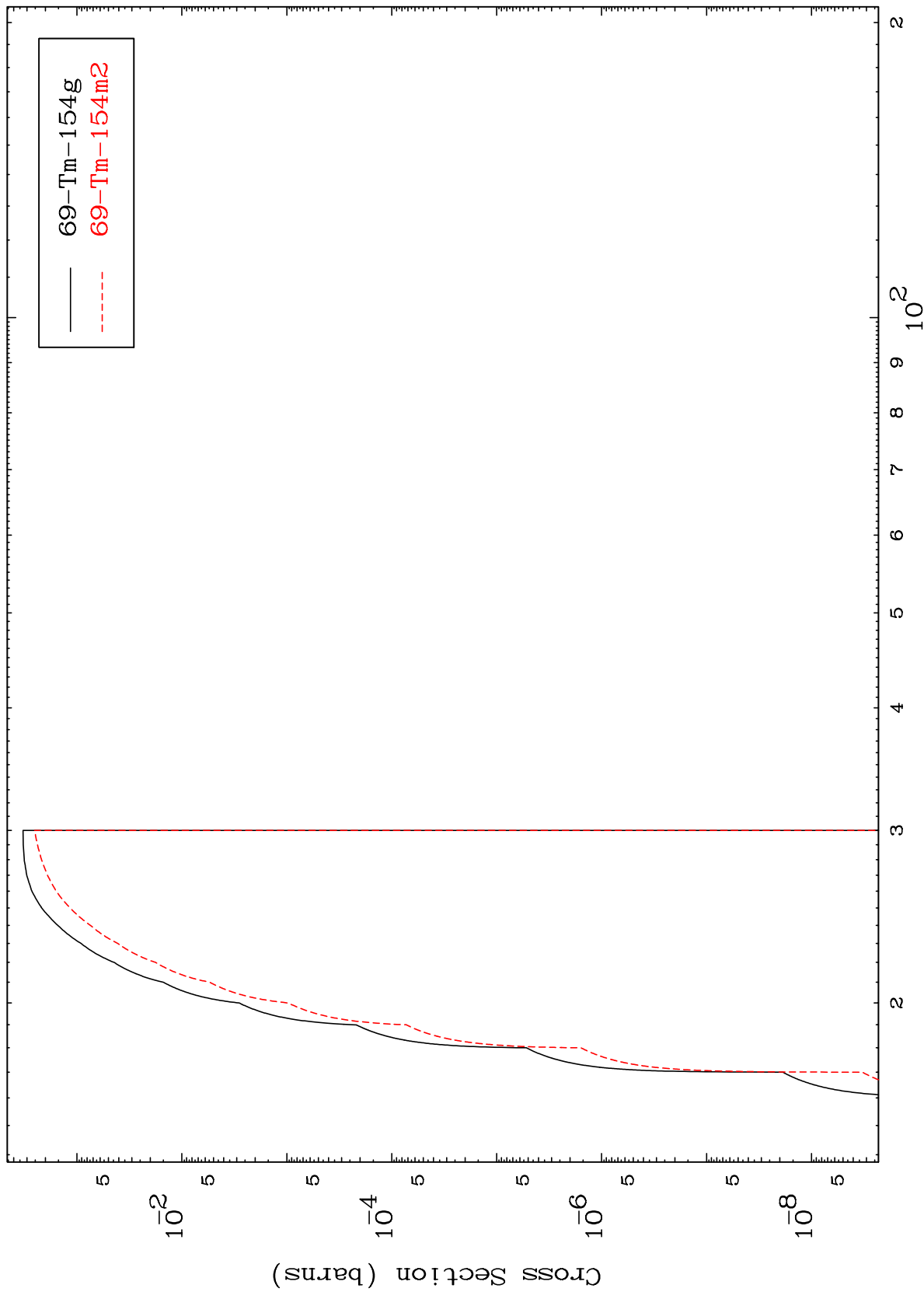
70-Yb-156

MAT 6989

(n,2n) p

70-Yb-156

Radionuclide Production Cross Section



67

Incident Energy (MeV)

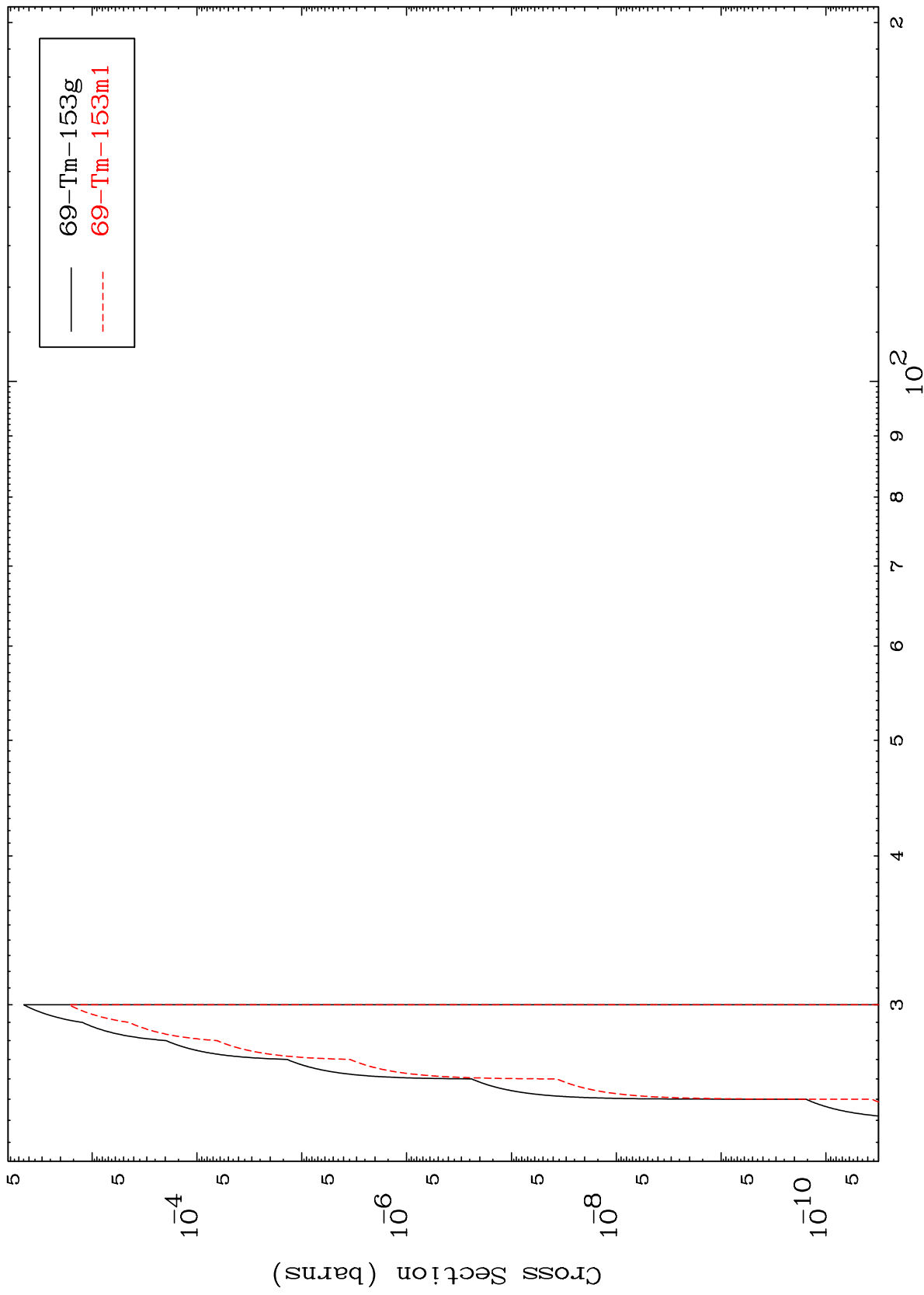
70-Yb-156

MAT 6989

(n,3n) p

70-Yb-156

Radionuclide Production Cross Section



68

Incident Energy (MeV)

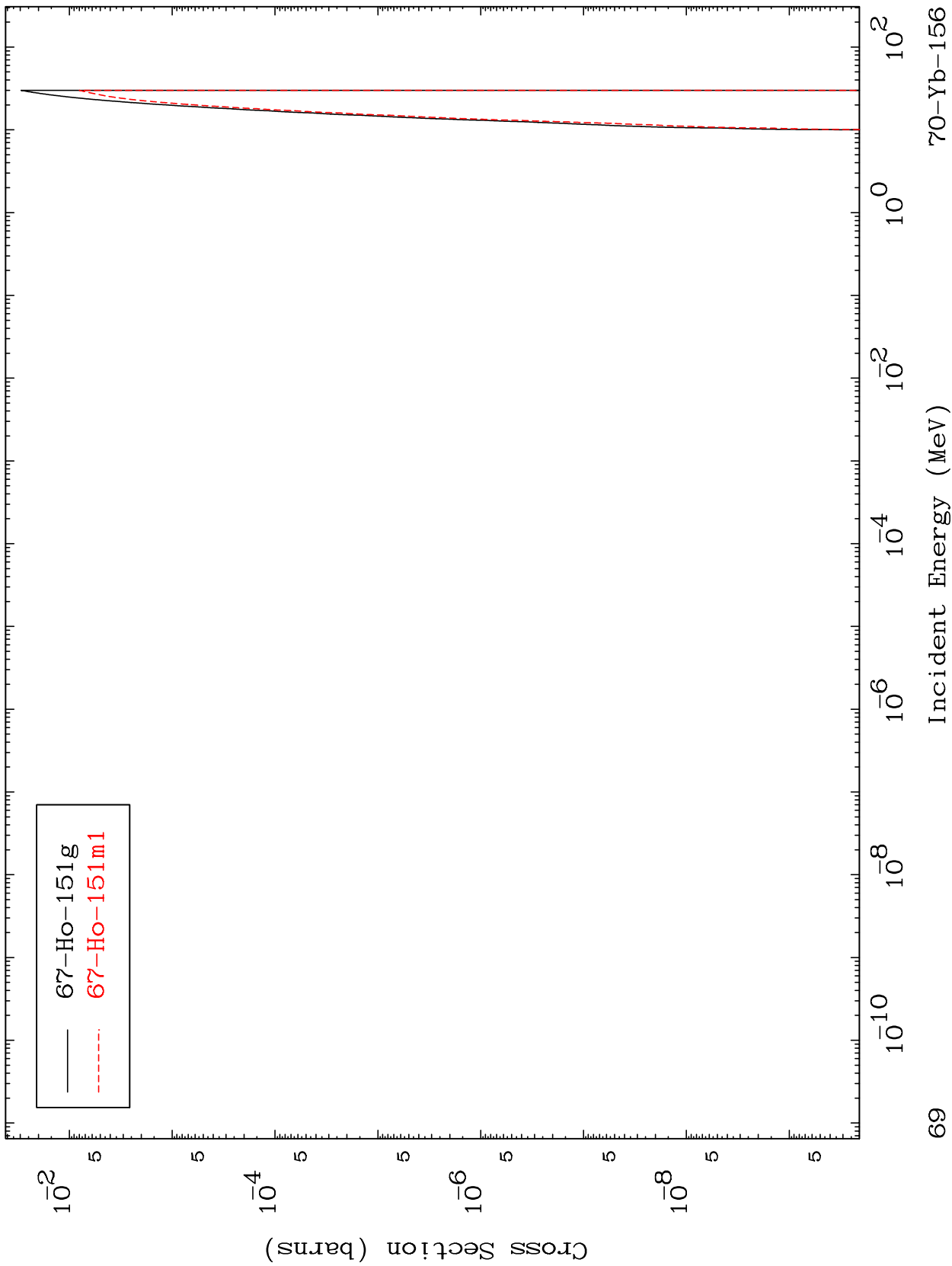
70-Yb-156

MAT 6989

(n,n') p  $\alpha$

70-Yb-156

Radionuclide Production Cross Section

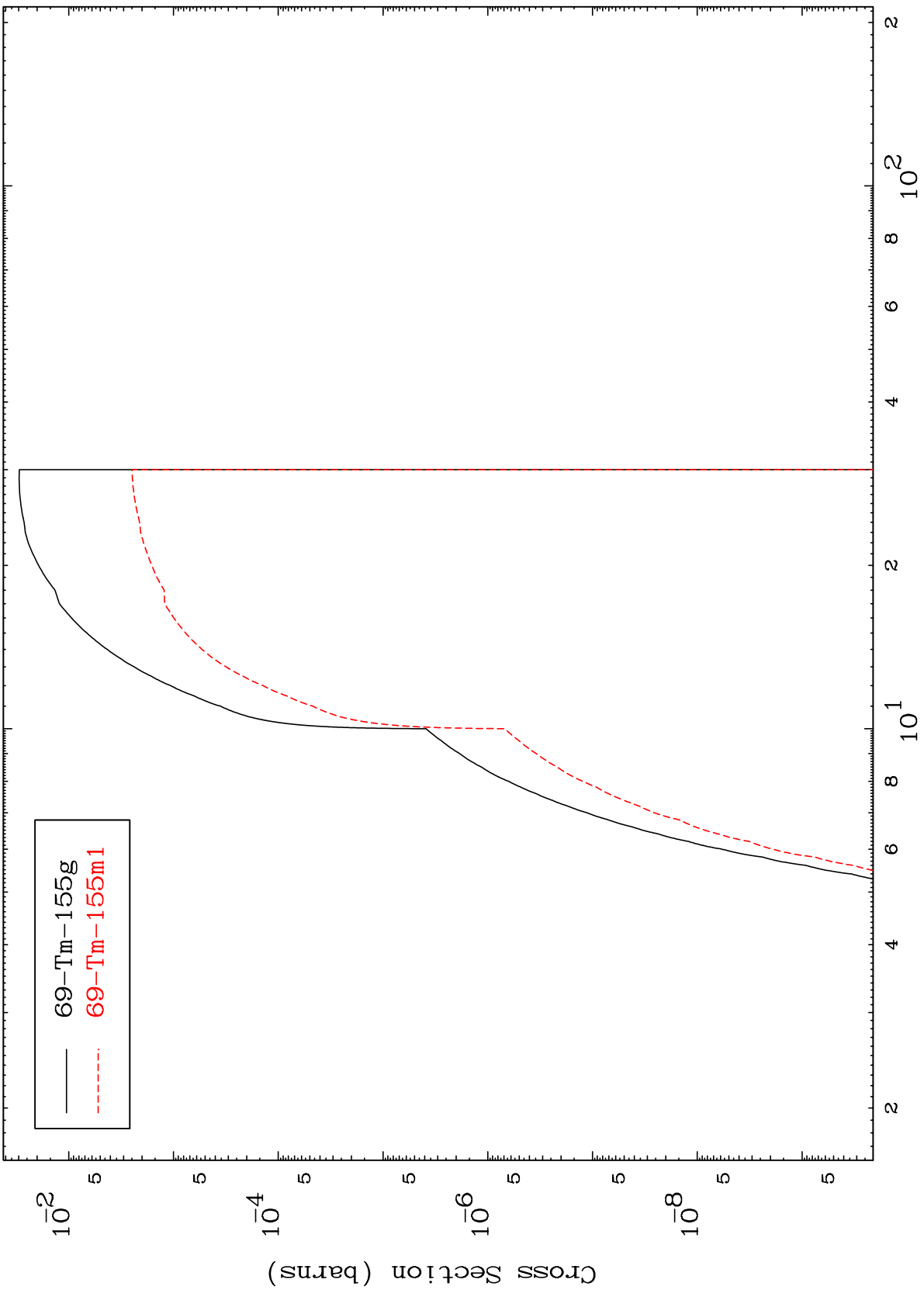


MAT 6989

(n,d)

70-Yb-156

Radionuclide Production Cross Section



— 69-Tm-155g  
- - - 69-Tm-155m1

70

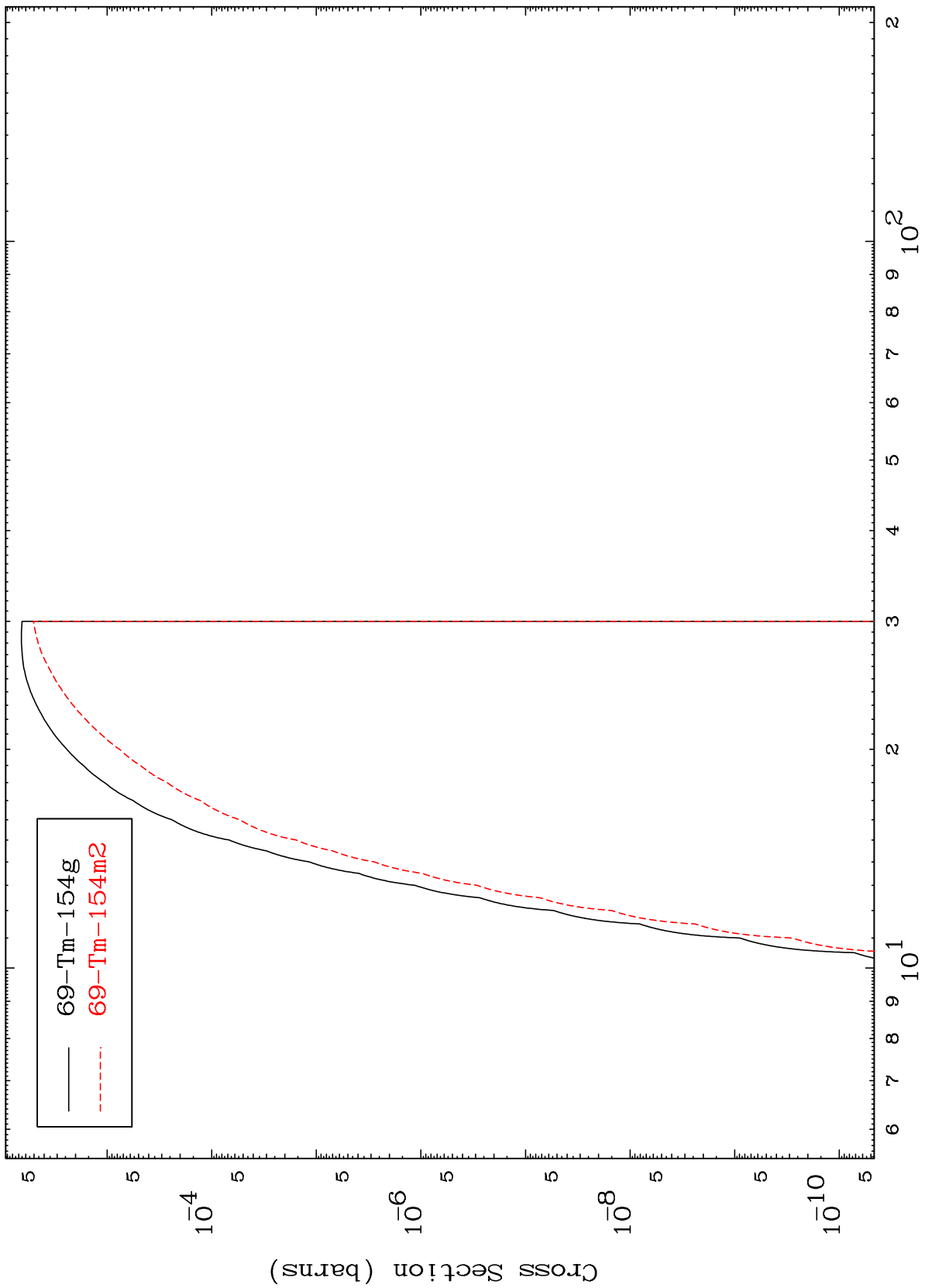
Incident Energy (MeV)

70-Yb-156

MAT 6989

70-Yb-156

(n, t)  
Radionuclide Production Cross Section



71

Incident Energy (MeV)

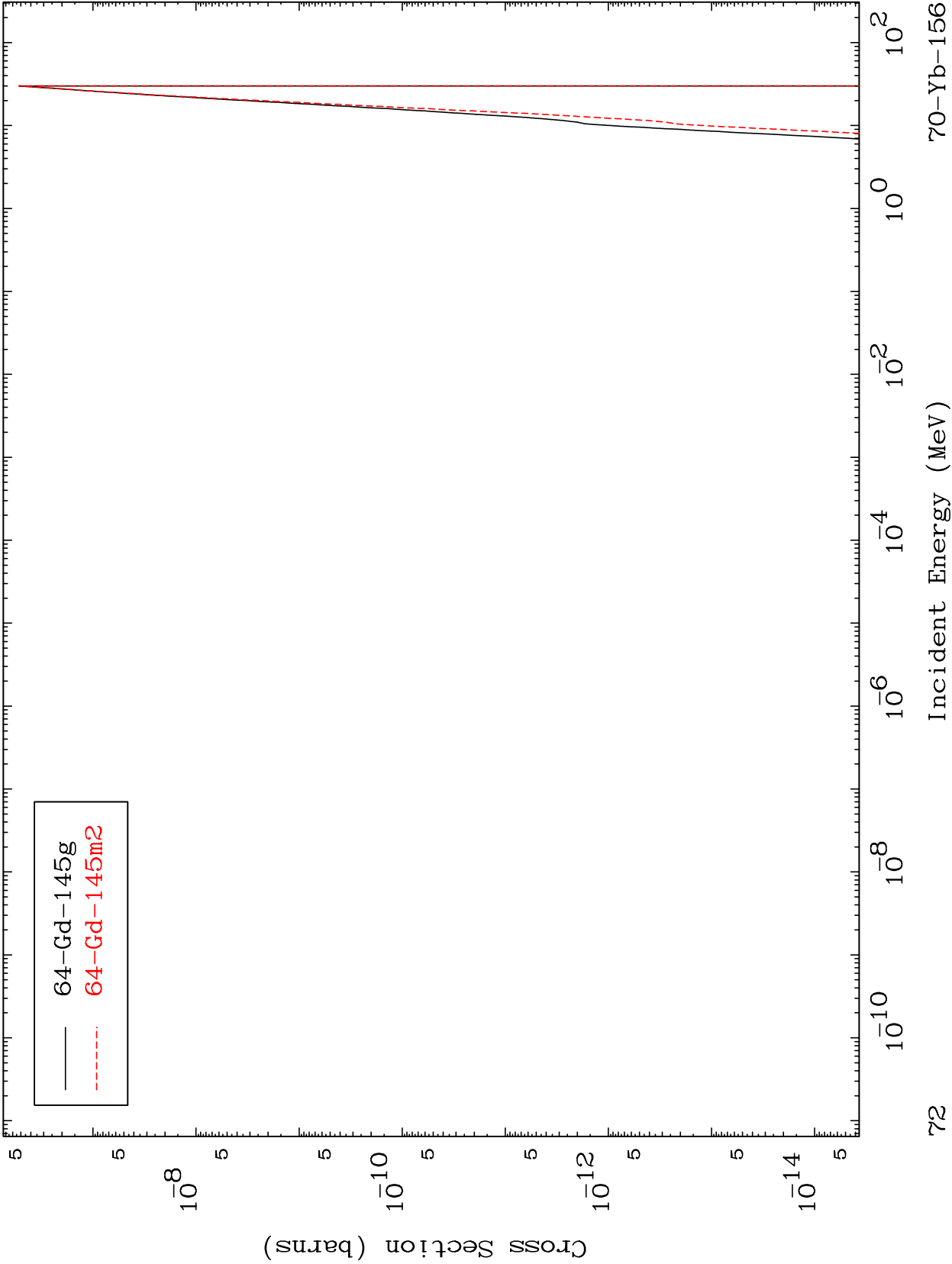
70-Yb-156

MAT 6989

(n, 3α)

70-Yb-156

Radionuclide Production Cross Section



72

Incident Energy (MeV)

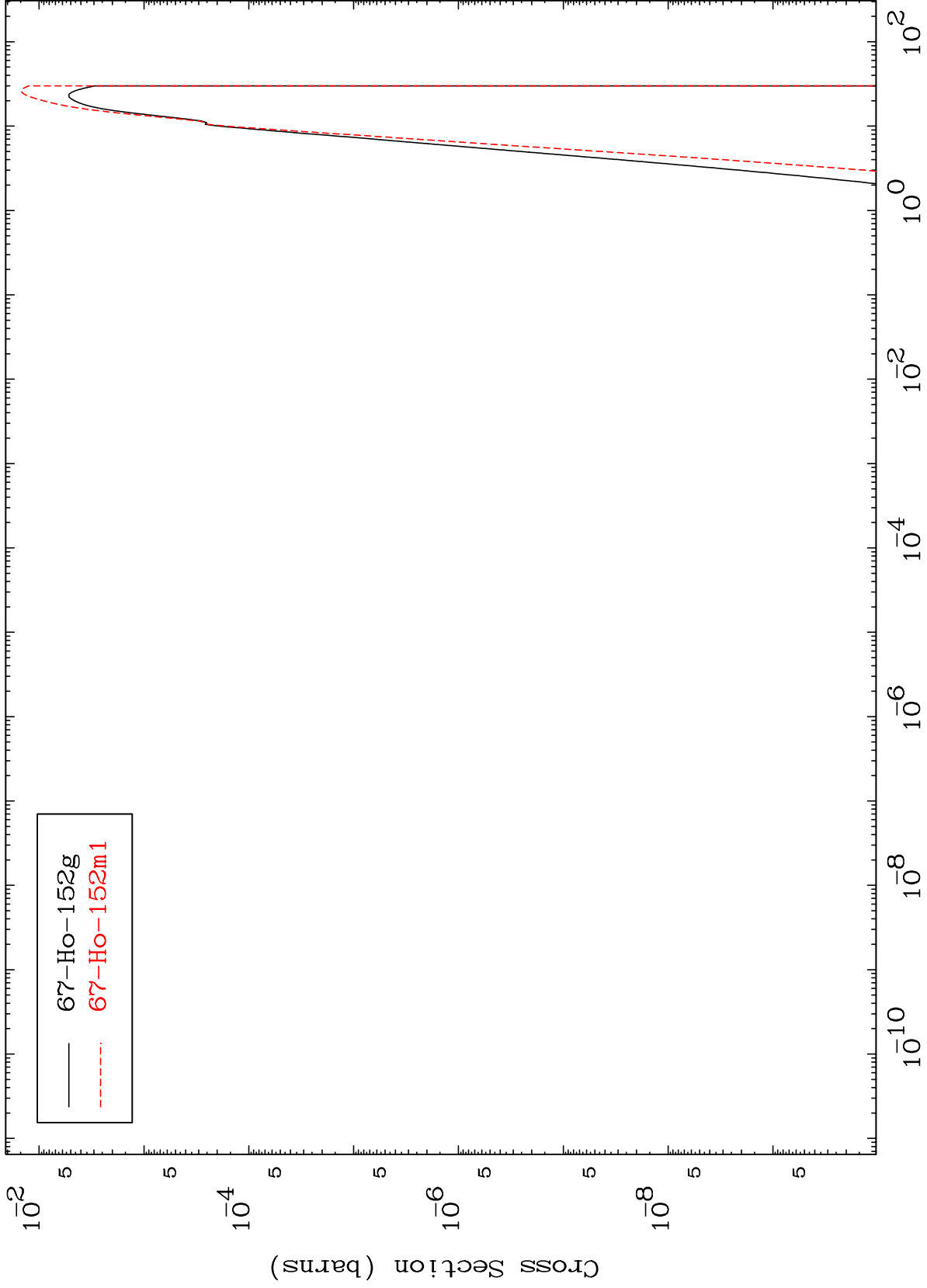
70-Yb-156

MAT 6989

(n,p)  $\alpha$

70-Yb-156

Radionuclide Production Cross Section



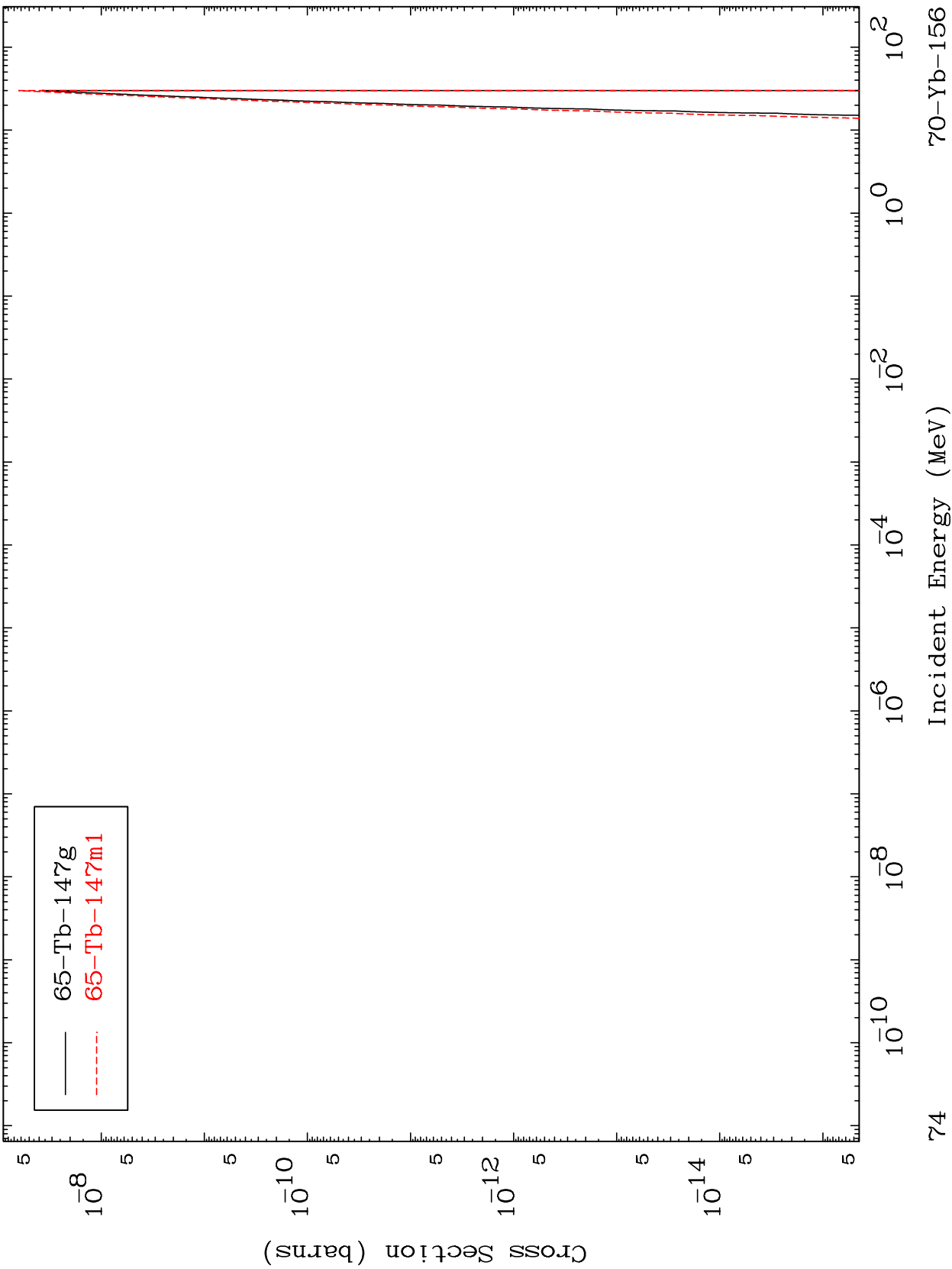
67-Ho-152g  
67-Ho-152m1

MAT 6989

(n,d) 2 $\alpha$

70-Yb-156

Radionuclide Production Cross Section



74

Incident Energy (MeV)

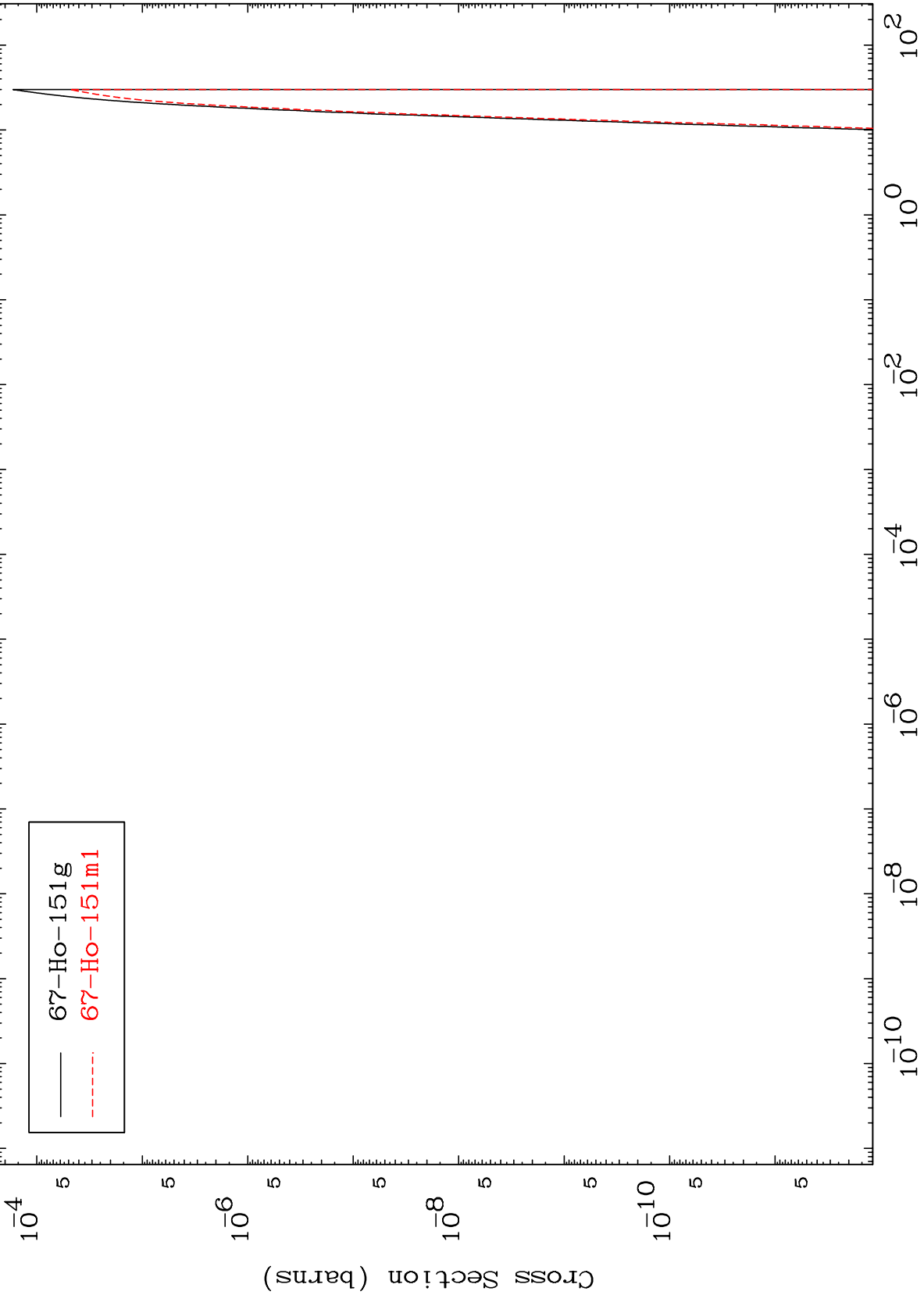
70-Yb-156

MAT 6989

(n,d)  $\alpha$

<sup>70</sup>Yb-156

Radionuclide Production Cross Section



— 67-Ho-151g  
- - - 67-Ho-151m1

75

Incident Energy (MeV)

<sup>70</sup>Yb-156