

Program EVALPLOT
(Version 2015-2)

by

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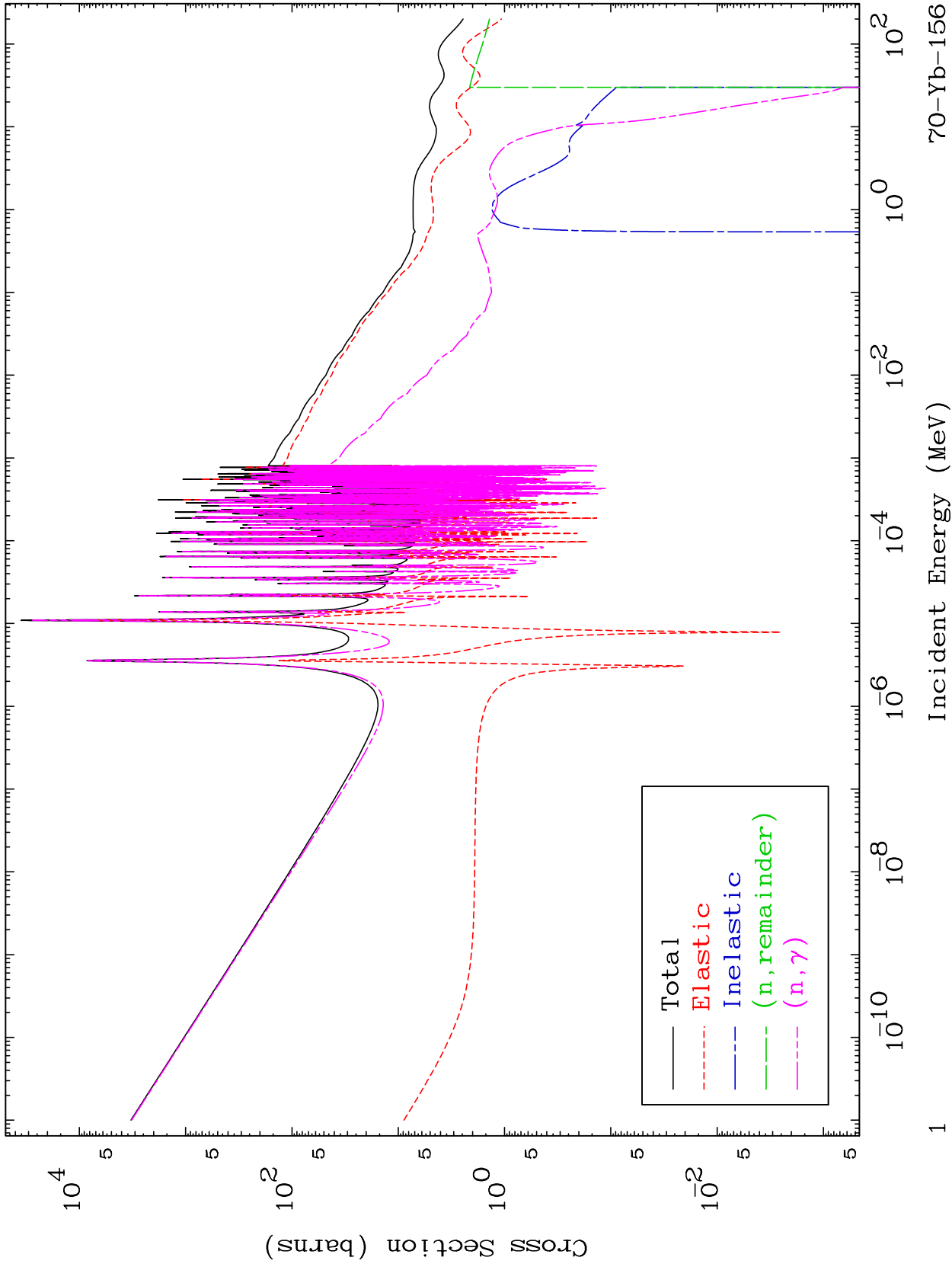
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6989

Major
293 Kelvin Cross Sections

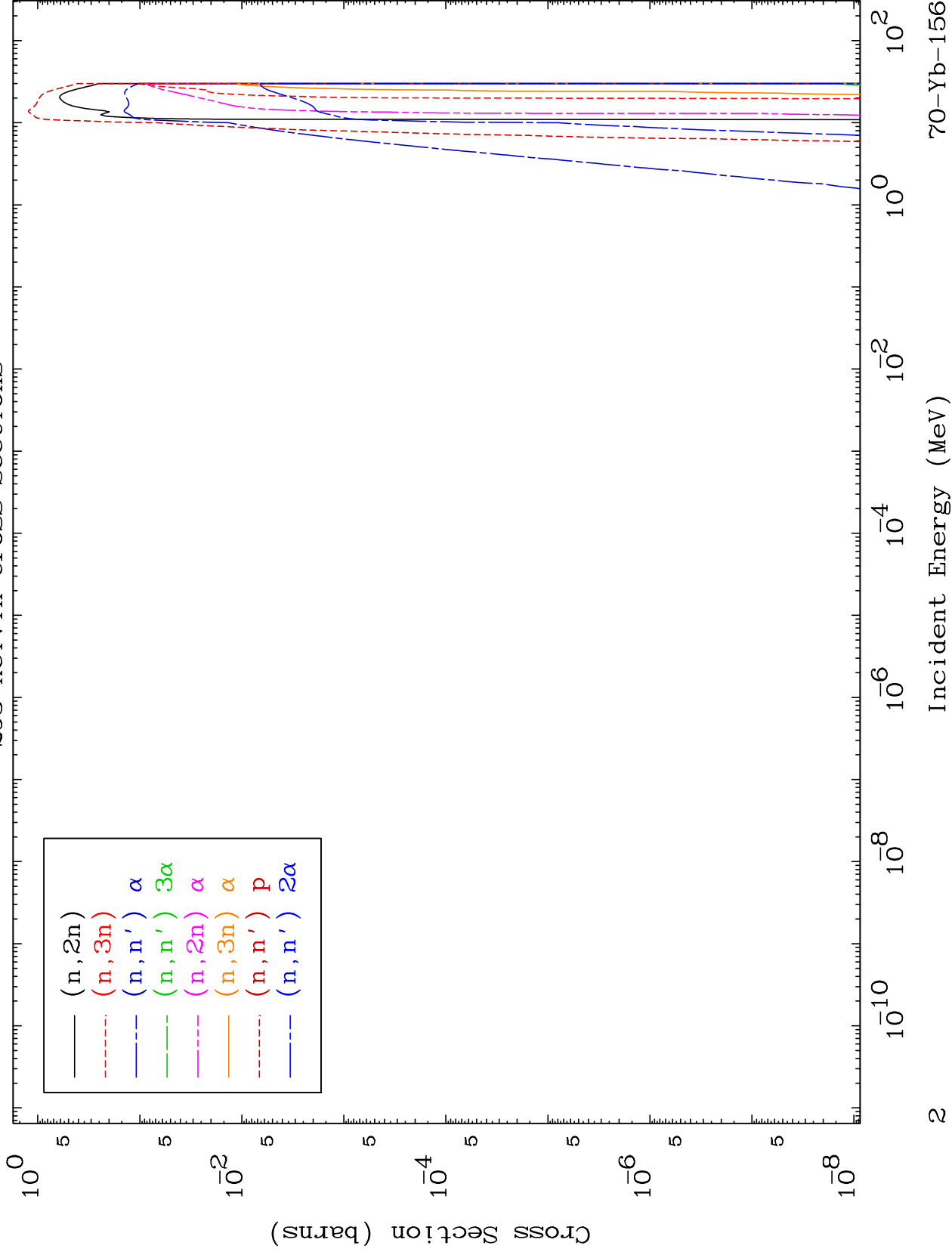
70-Yb-156

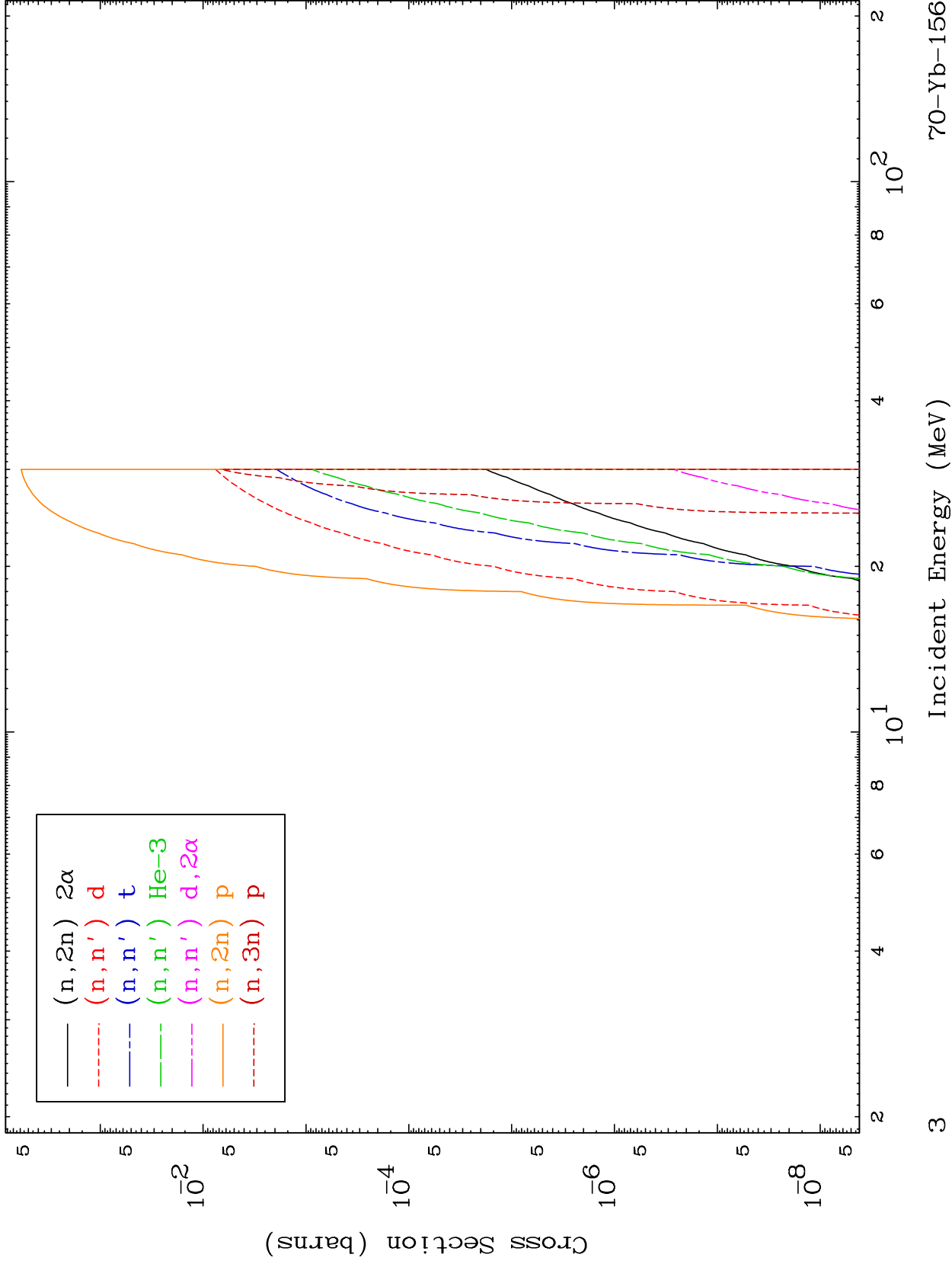


MAT 6989

Neutron Production
293 Kelvin Cross Sections

70-Yb-156

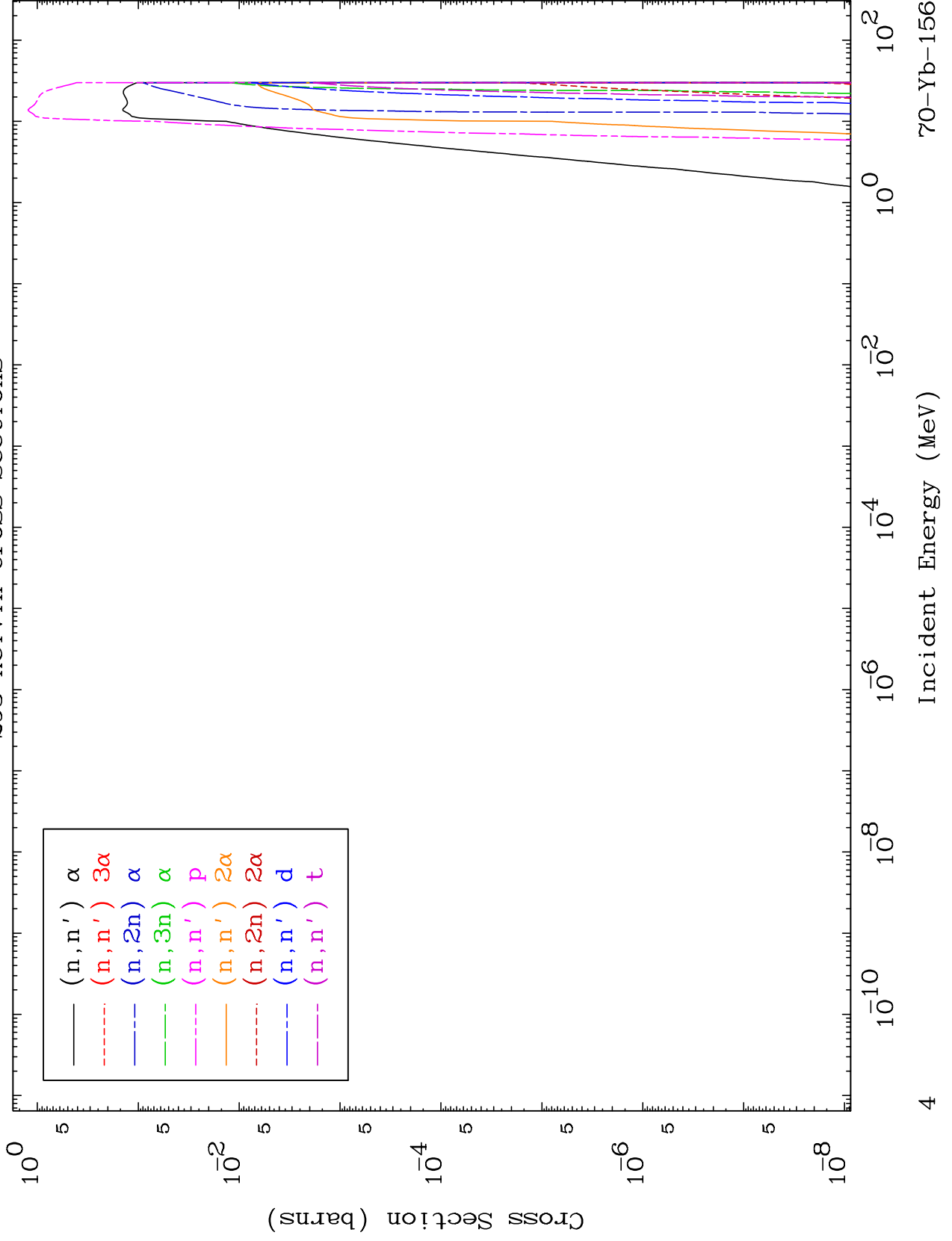


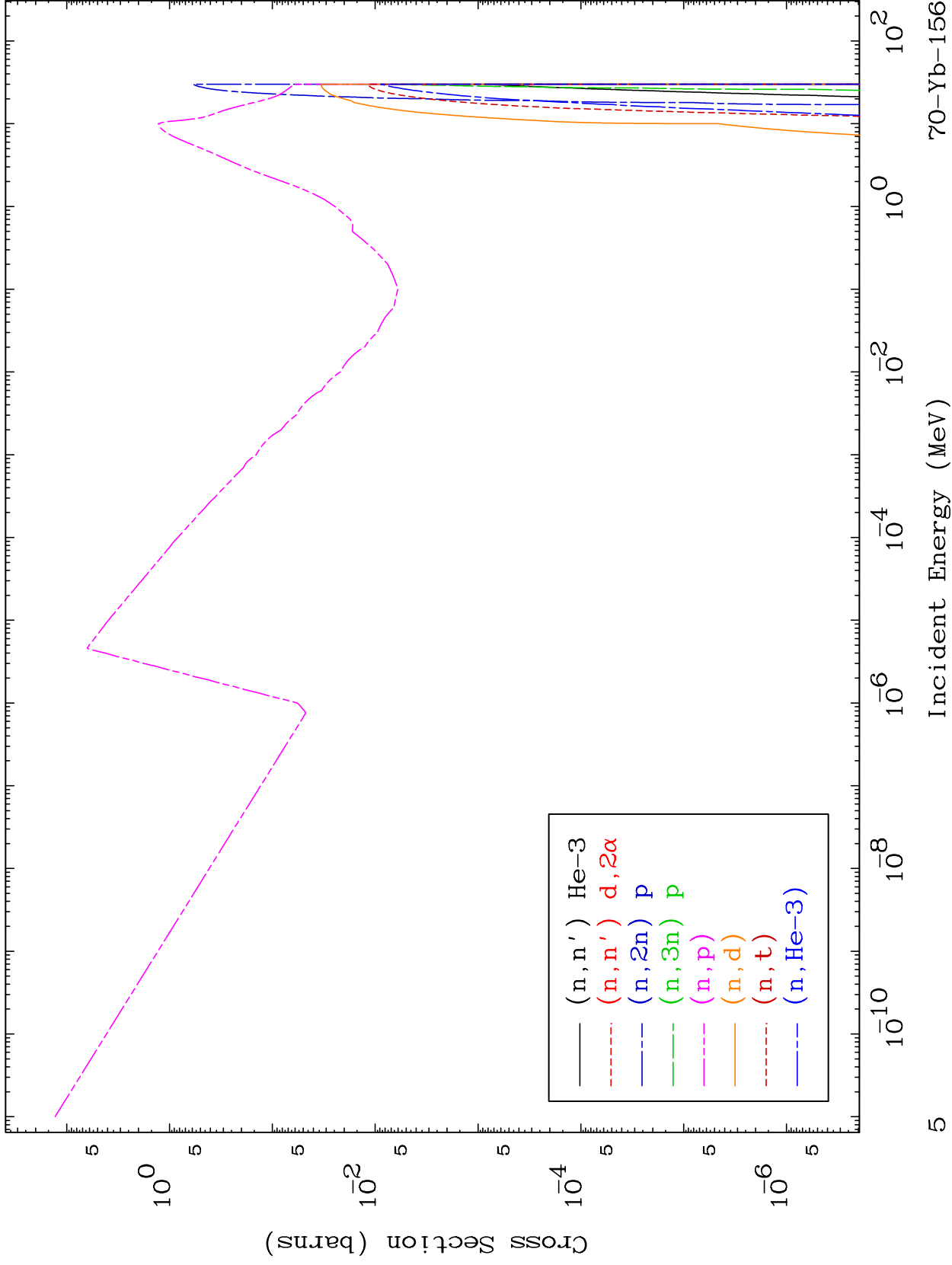


MAT 6989

Charged Particle
293 Kelvin Cross Sections

70-Yb-156

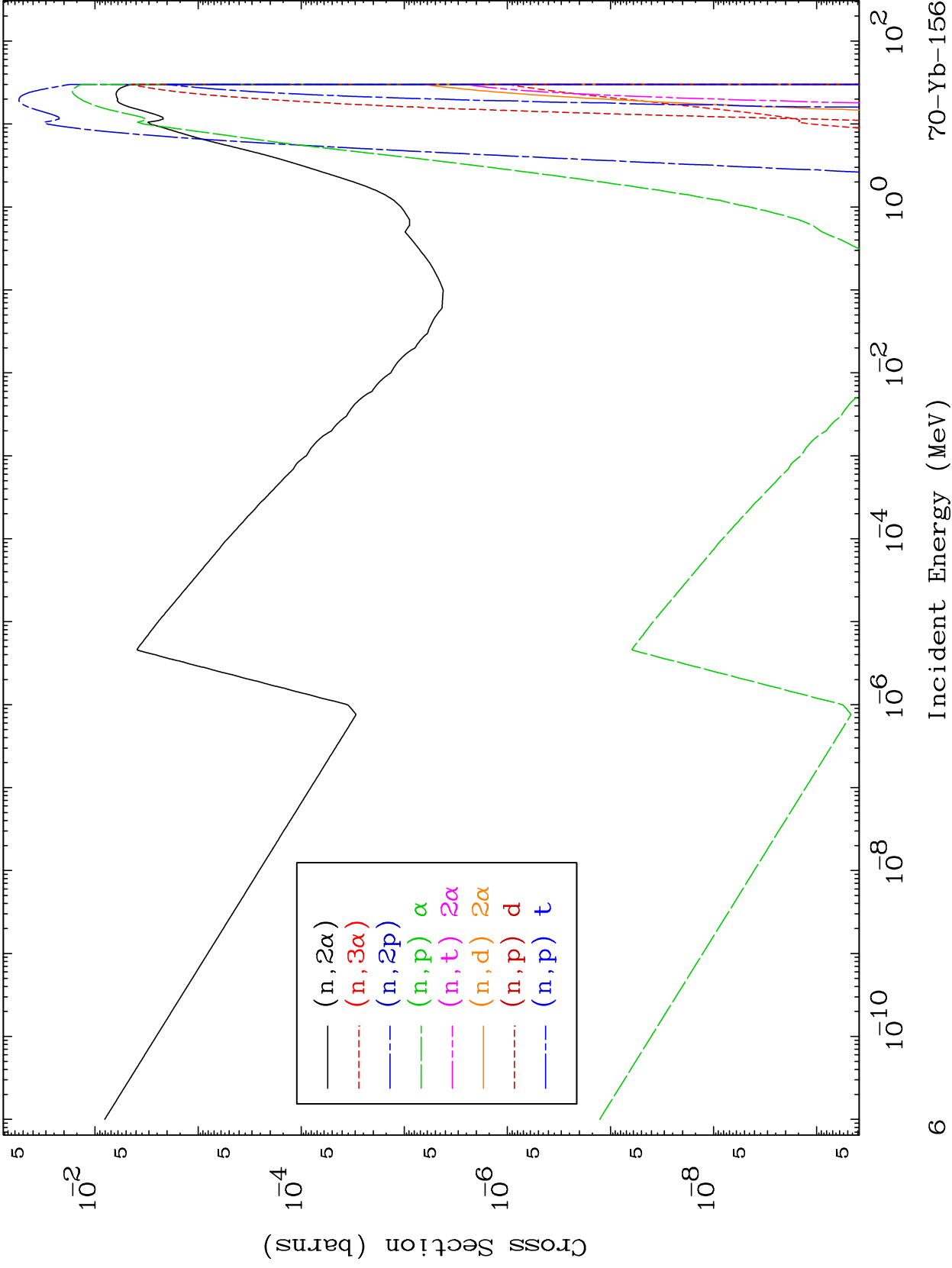




MAT 6989

Charged Particle
293 Kelvin Cross Sections

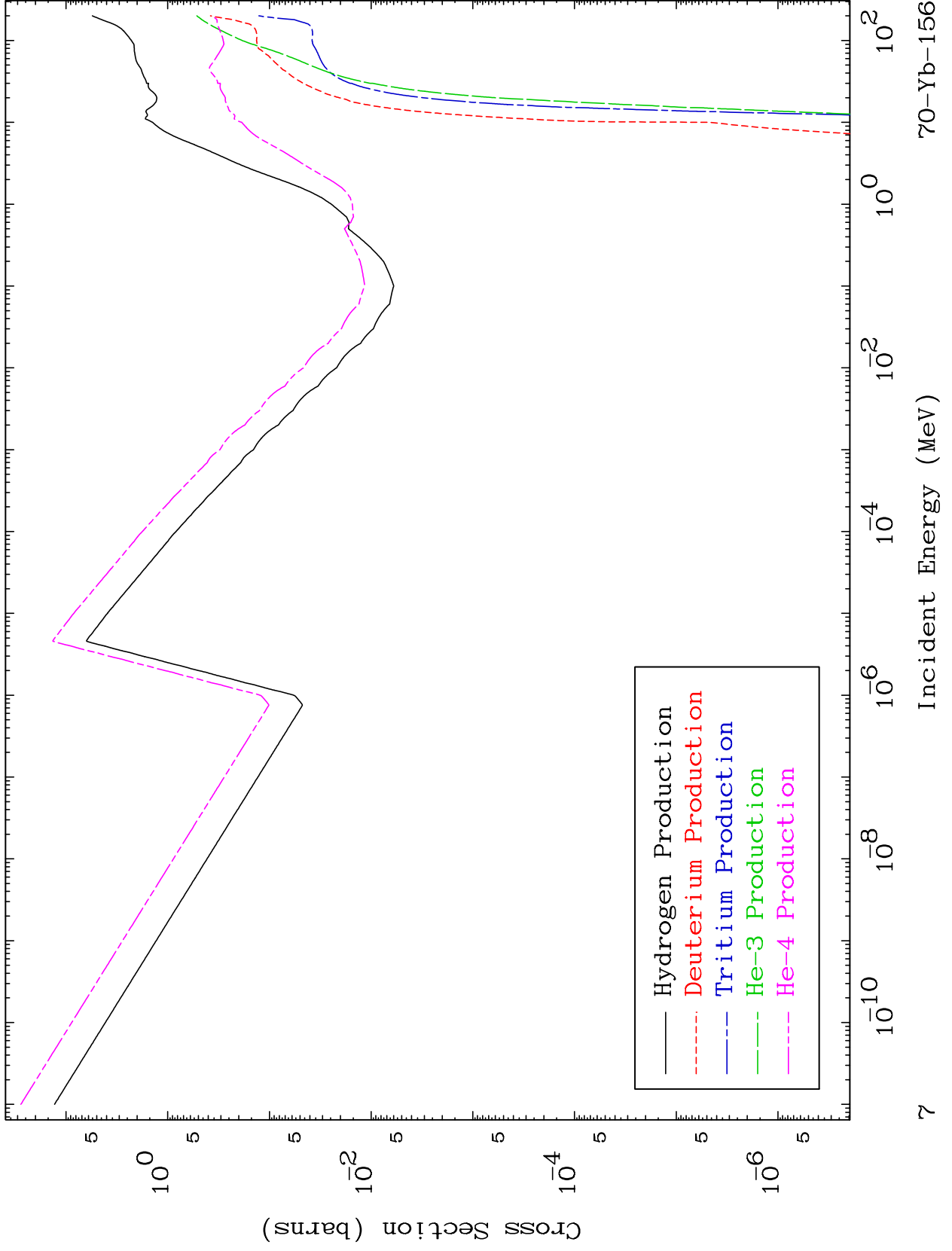
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MAT 6989

Particle Production
293 Kelvin Cross Sections

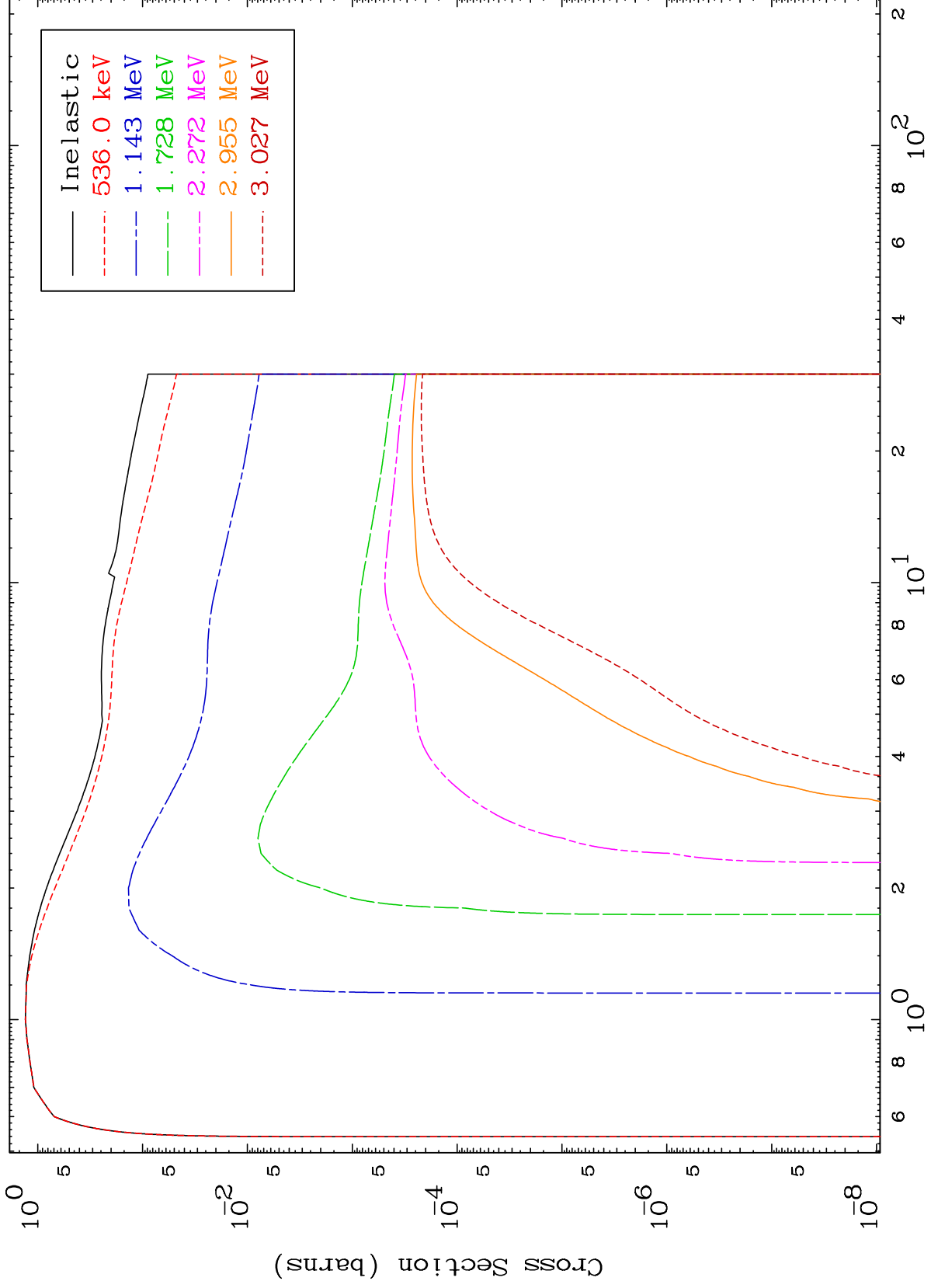
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MAT 6989

(n,n') Level
293 Kelvin Cross Sections

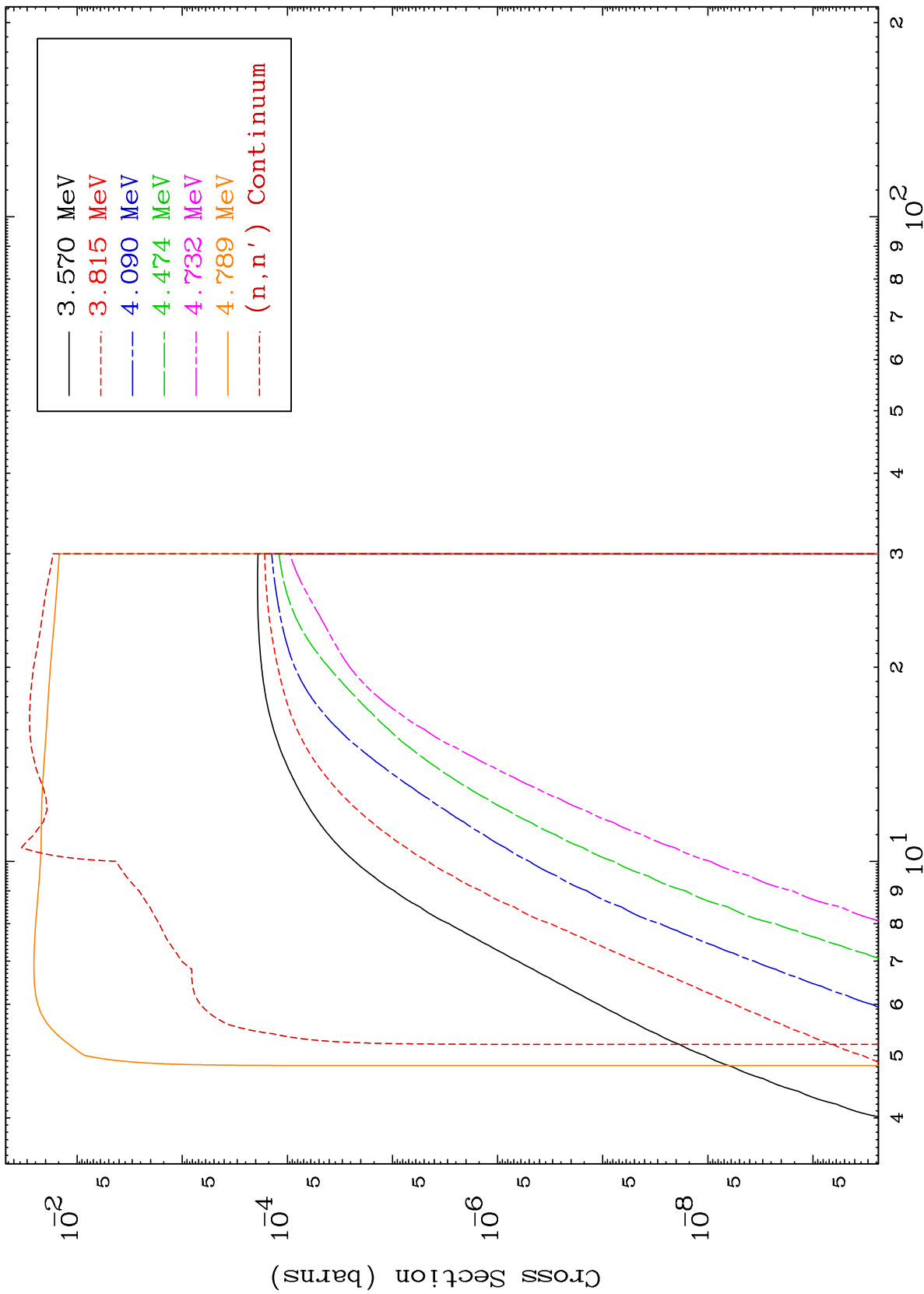
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8

Incident Energy (MeV)

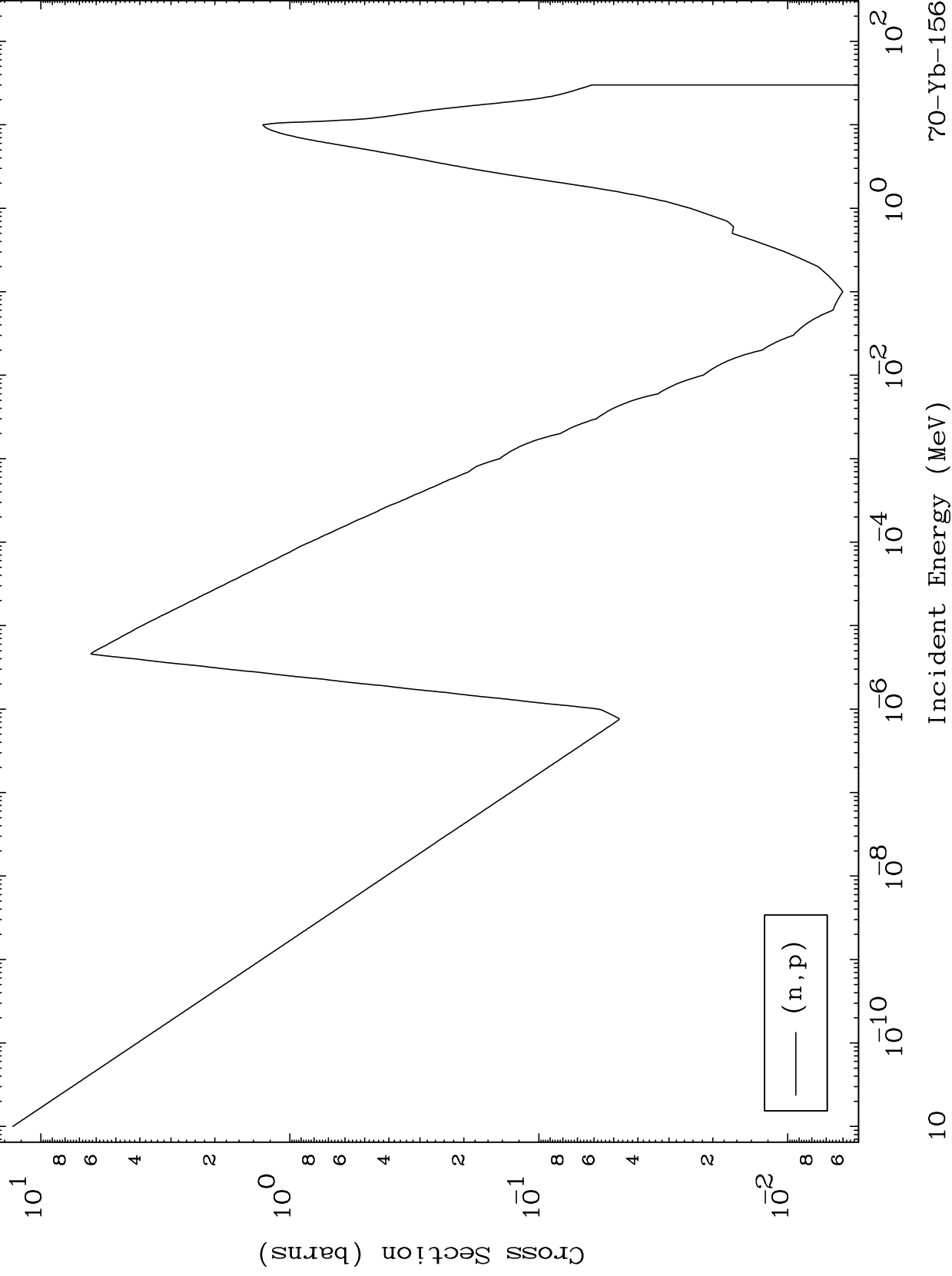
70-Yb-156



MAT 6989

(n,p) Levels
293 Kelvin Cross Sections

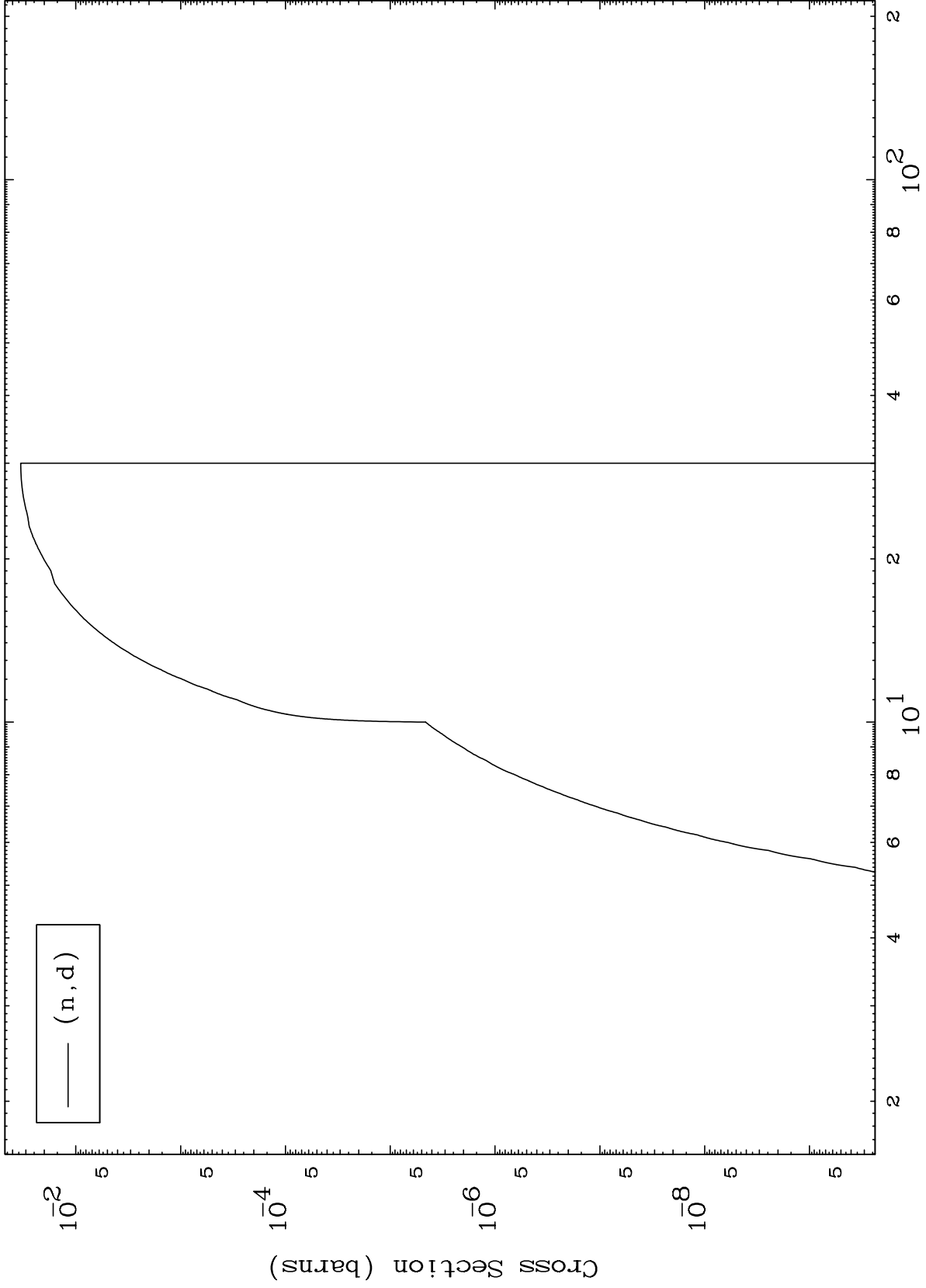
70-Yb-156



MAT 6989

(n,d) Levels
293 Kelvin Cross Sections

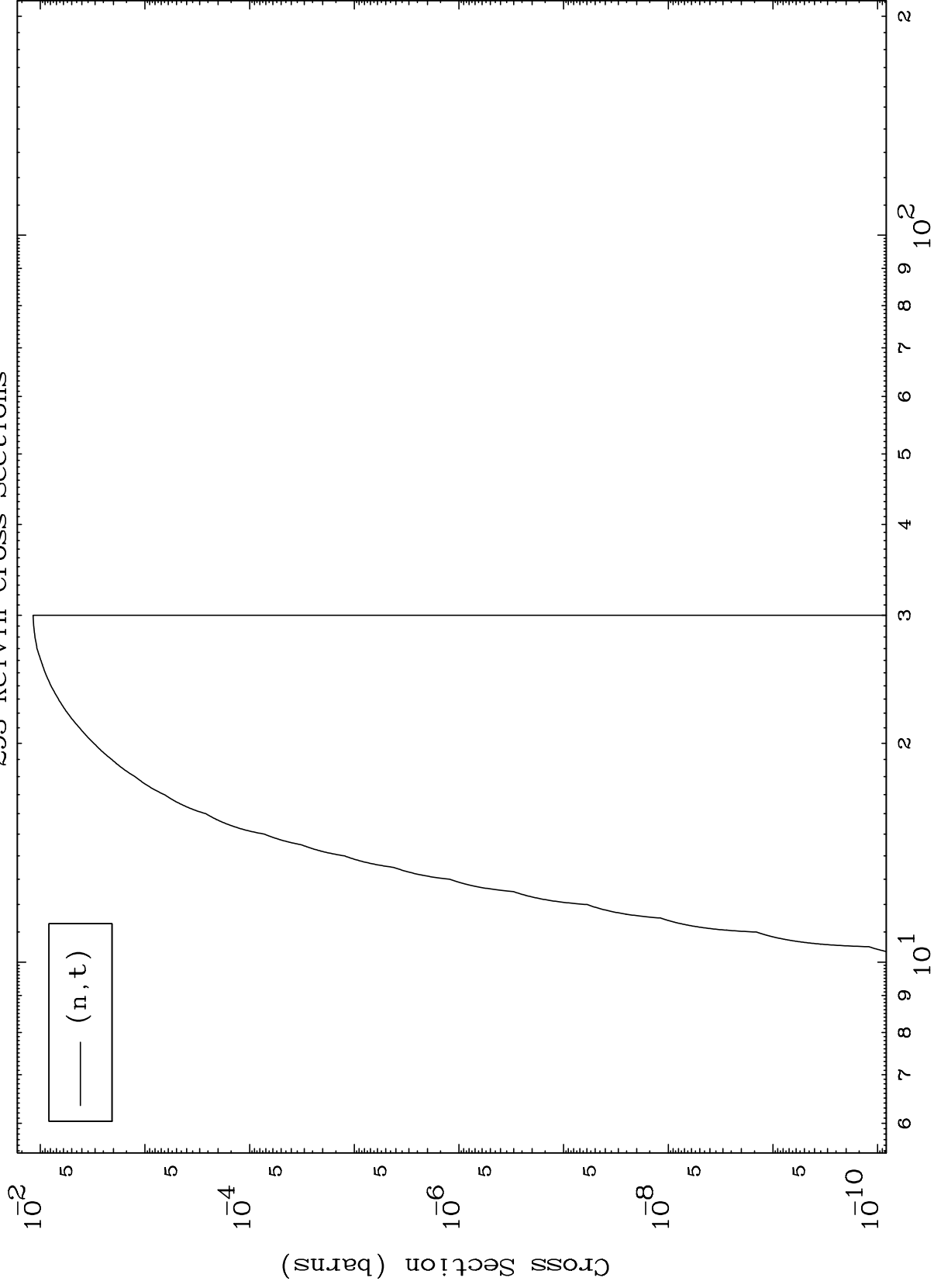
70-Yb-156



MAT 6989

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-156



12

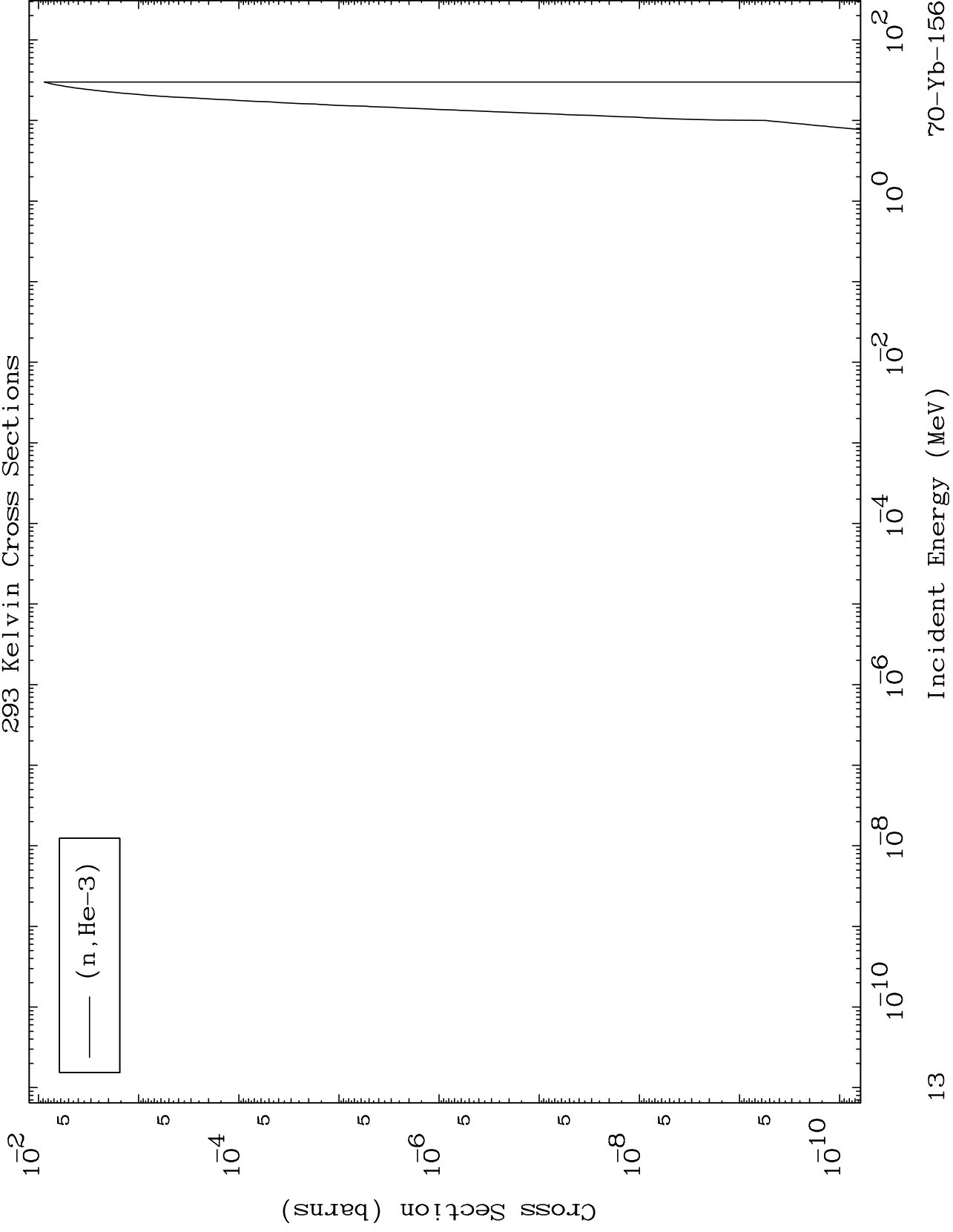
Incident Energy (MeV)

70-Yb-156

MAT 6989

(n,He3) Levels
293 Kelvin Cross Sections

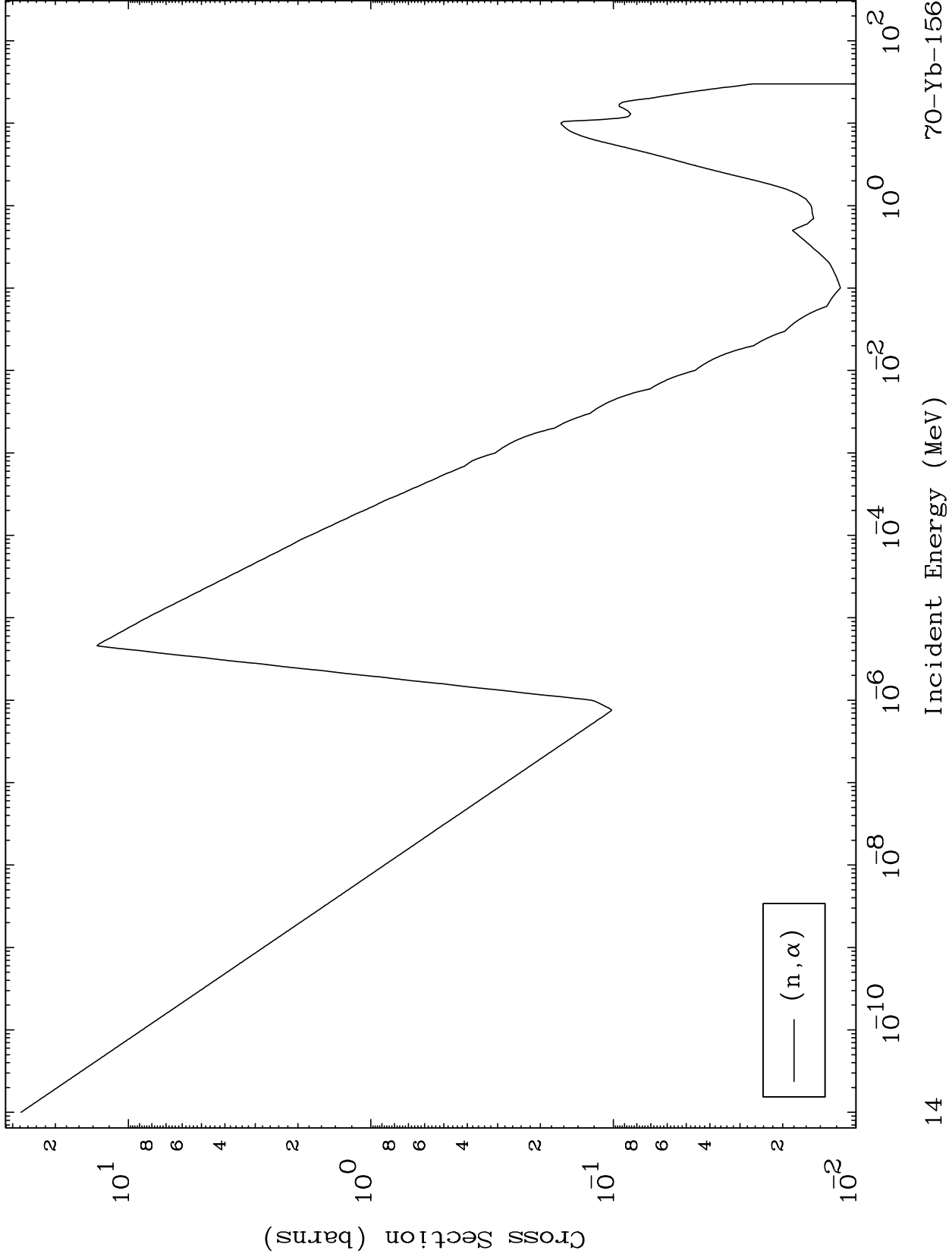
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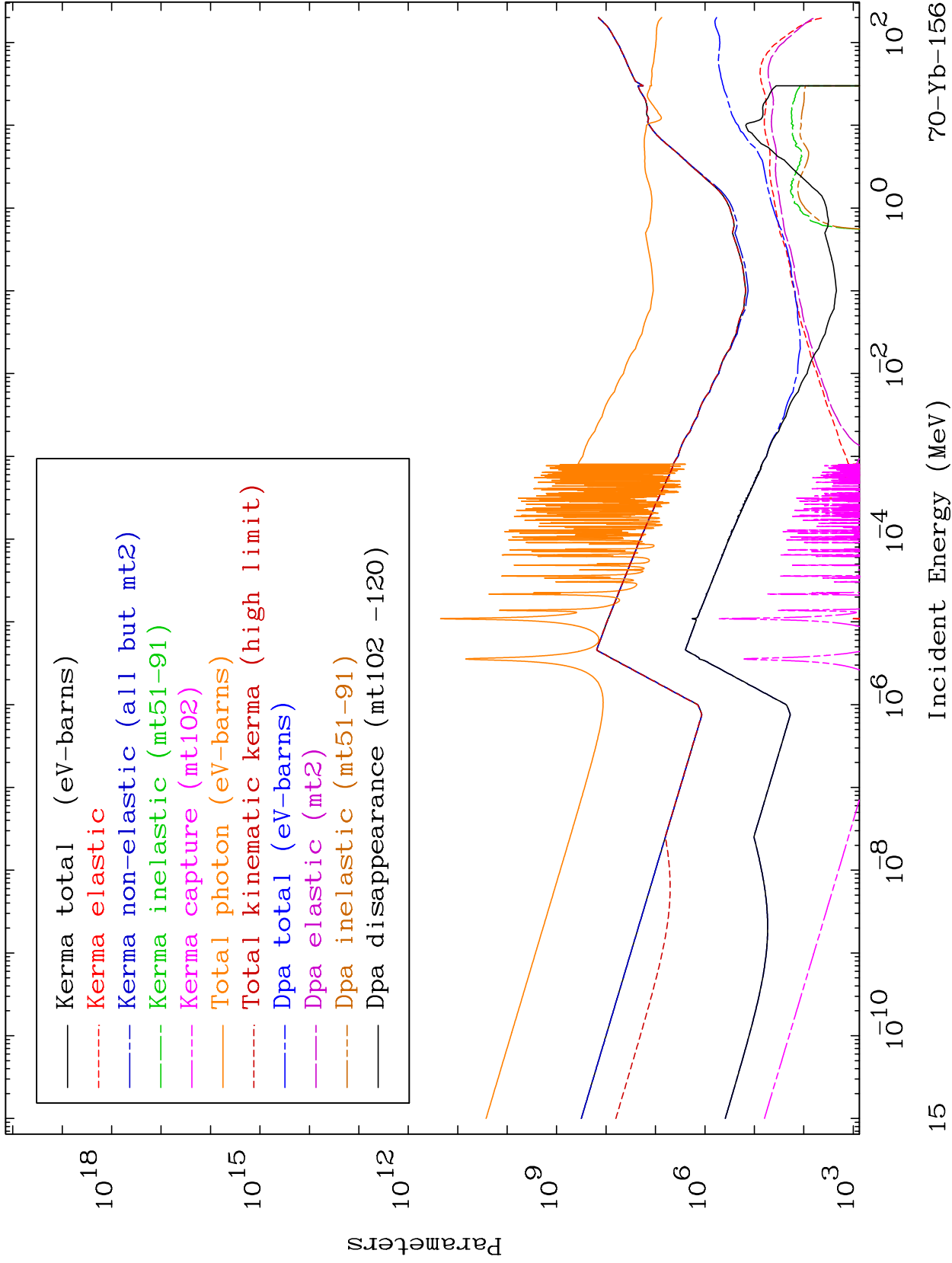


MAT 6989

(n, α) Levels
293 Kelvin Cross Sections

70-Yb-156

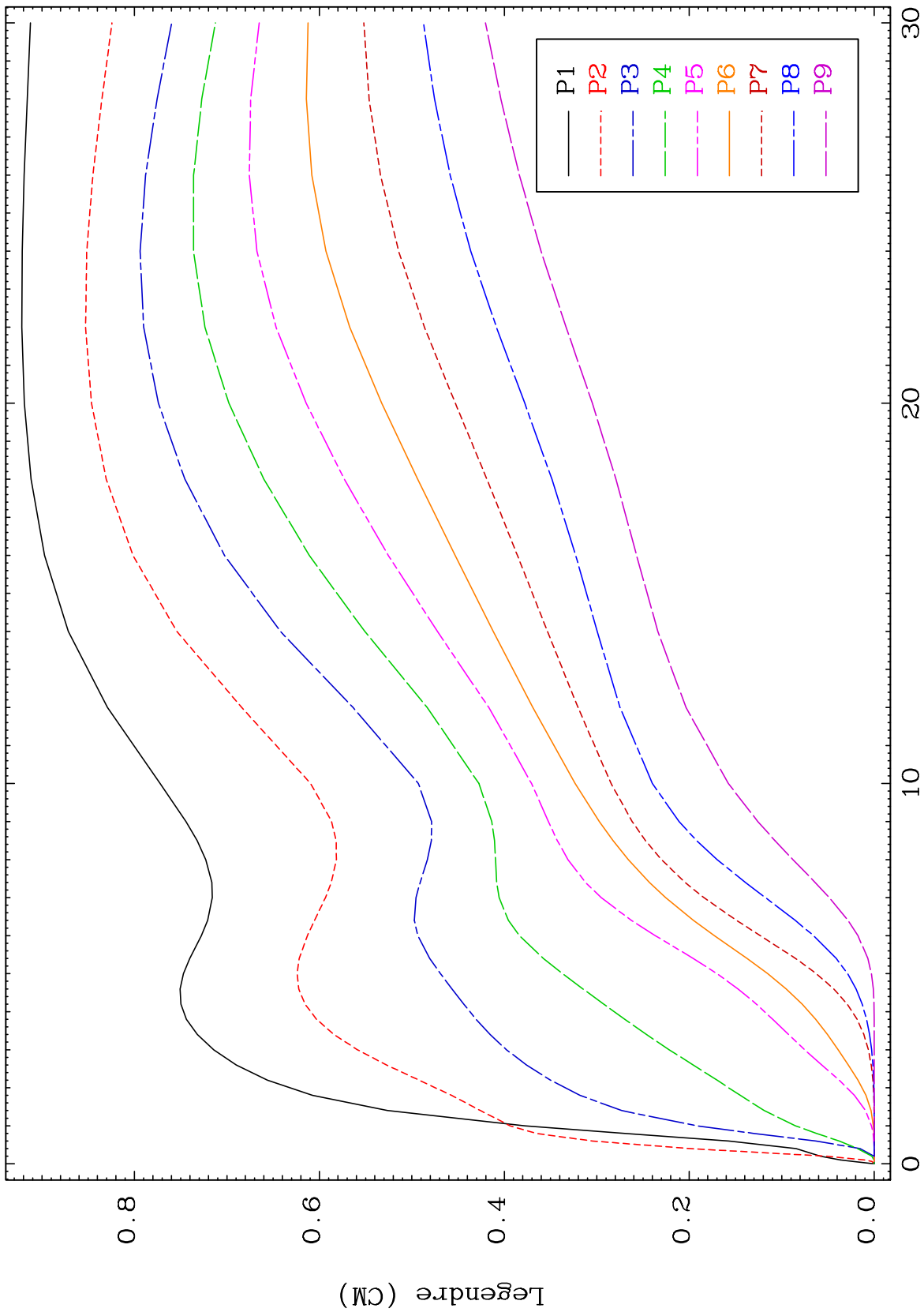




MAT 6989

70-Yb-156

Elastic Legendre Coefficients



16

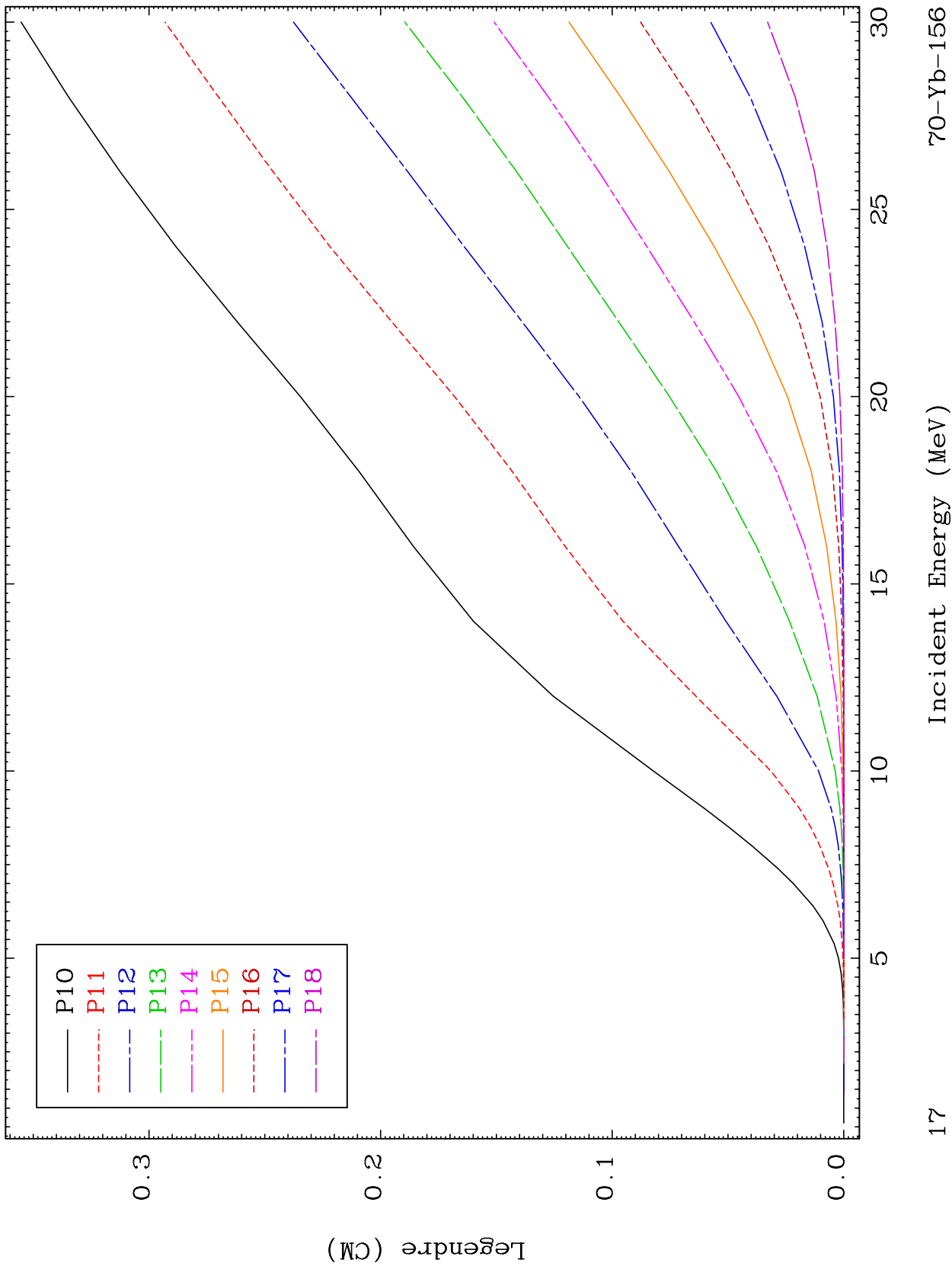
Incident Energy (MeV)

70-Yb-156

MAT 6989

Elastic Legendre Coefficients

70-Yb-156

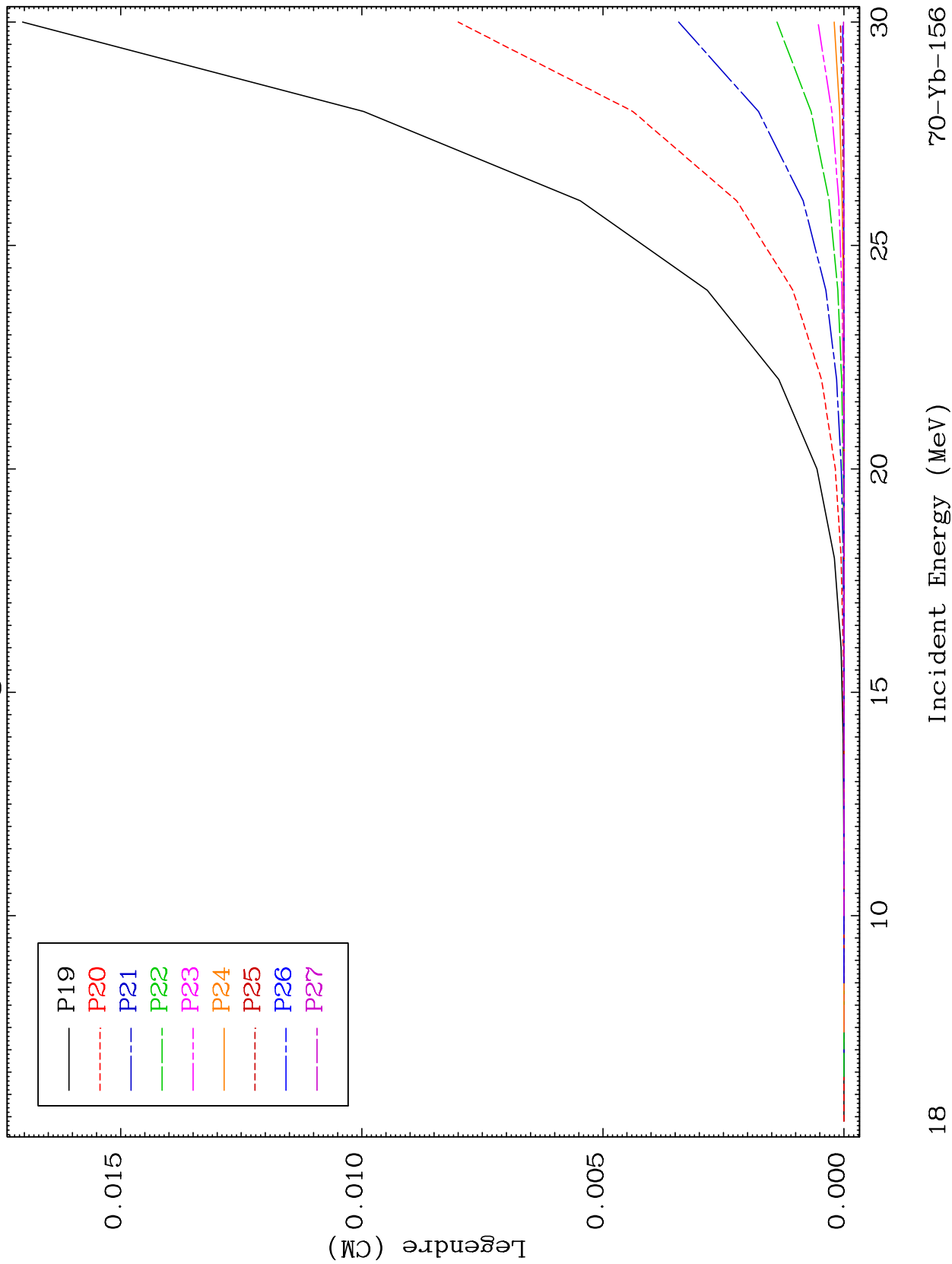


17

MAT 6989

Elastic Legendre Coefficients

70-Yb-156



18

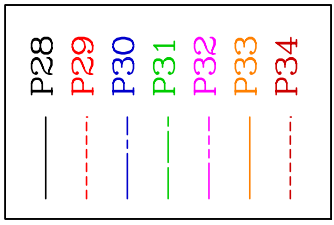
Incident Energy (MeV)

70-Yb-156

MAT 6989

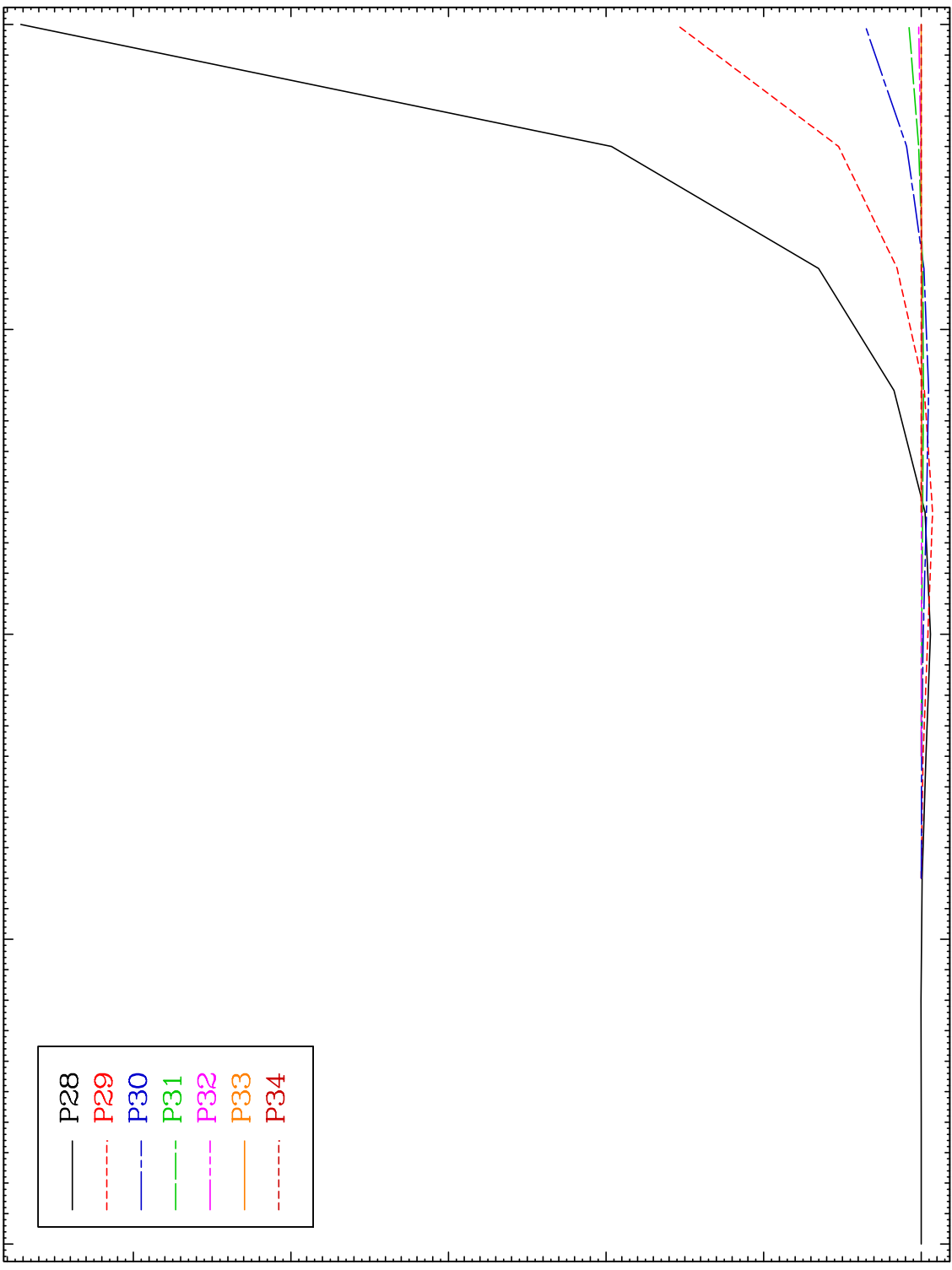
Elastic Legendre Coefficients

70-Yb-156



$\times 10^{-6}$

Legendre (CM)



30

25

20

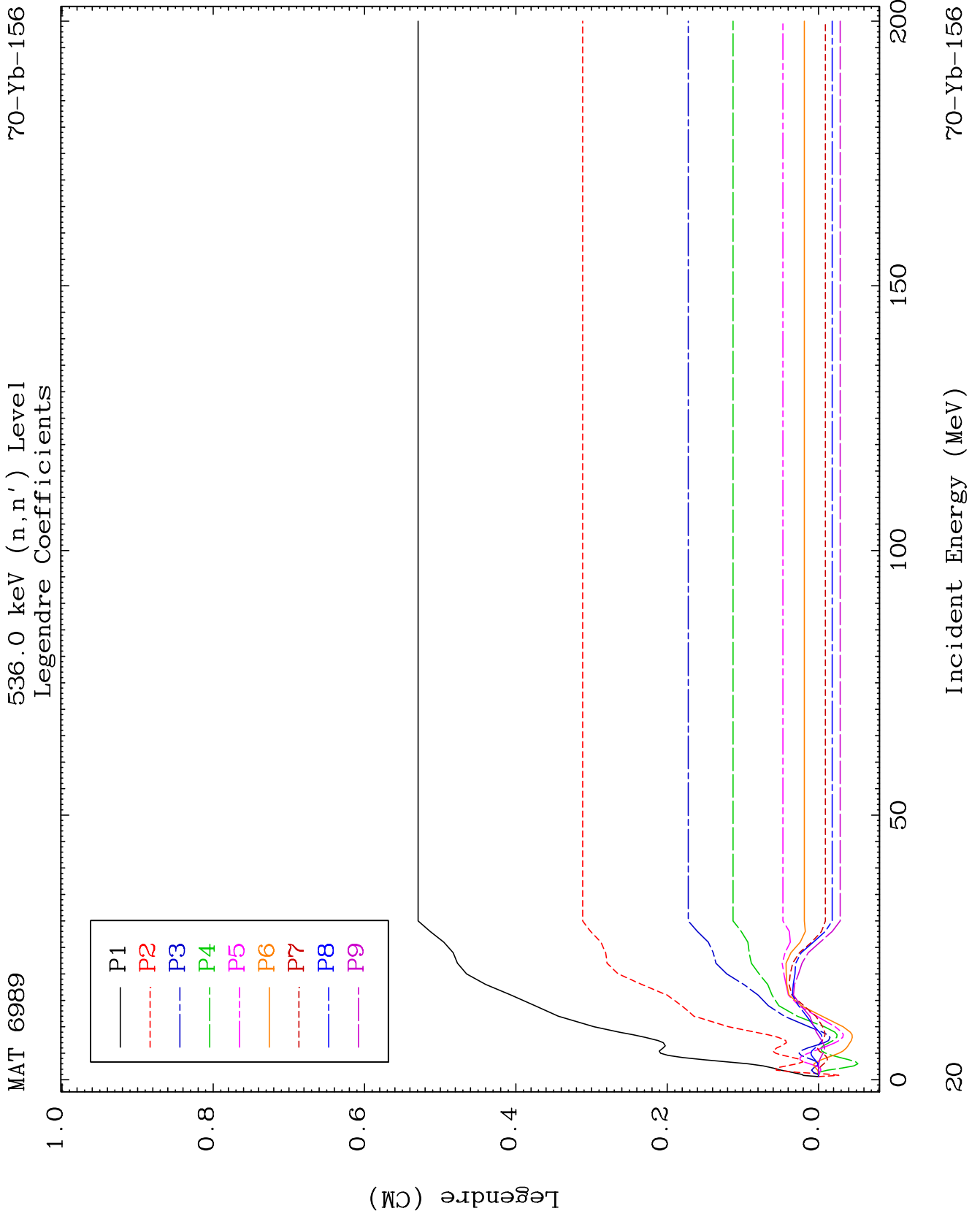
15

10

Incident Energy (MeV)

70-Yb-156

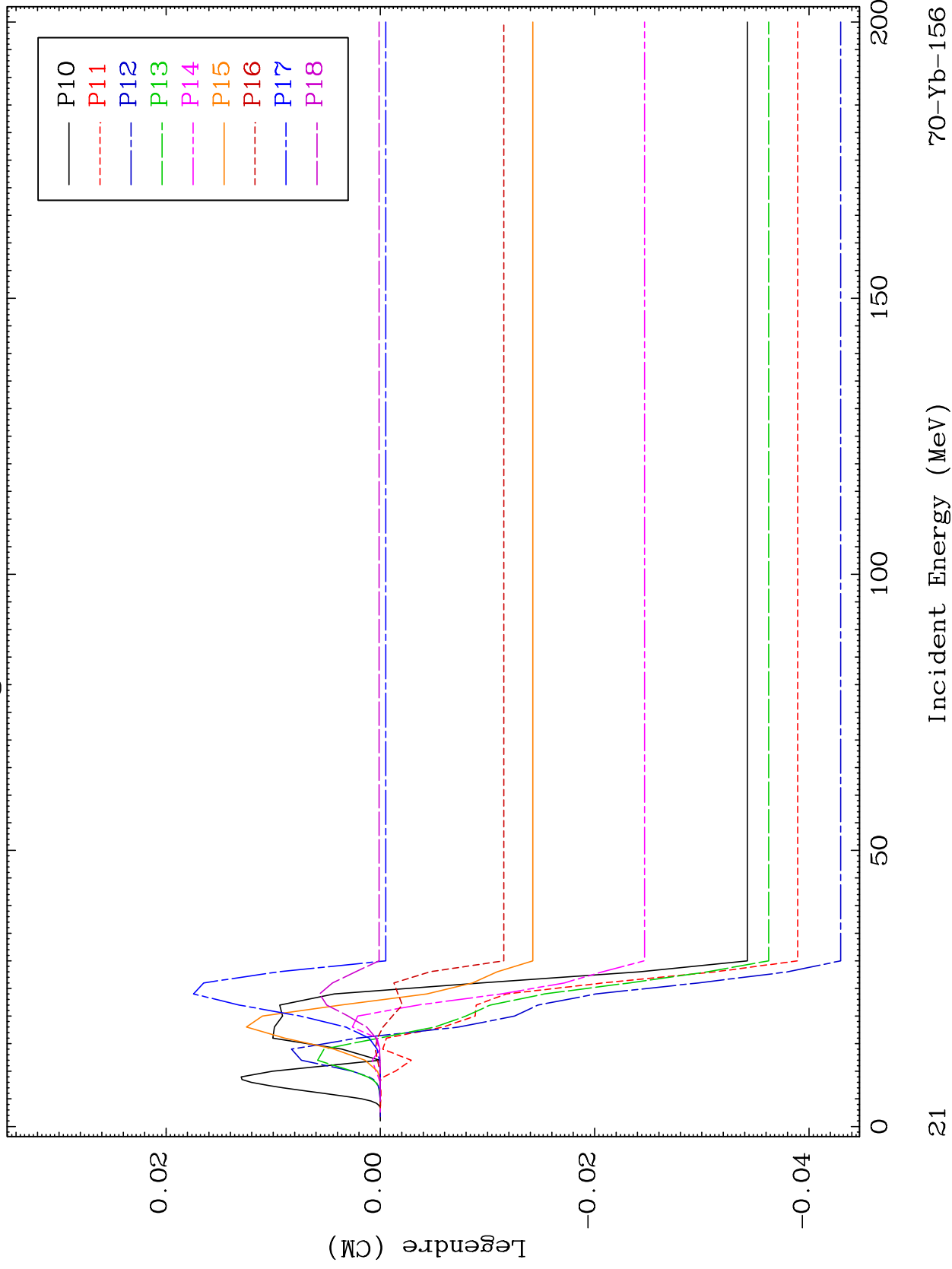
19



MAT 6989

536.0 keV (n,n') Level
Legendre Coefficients

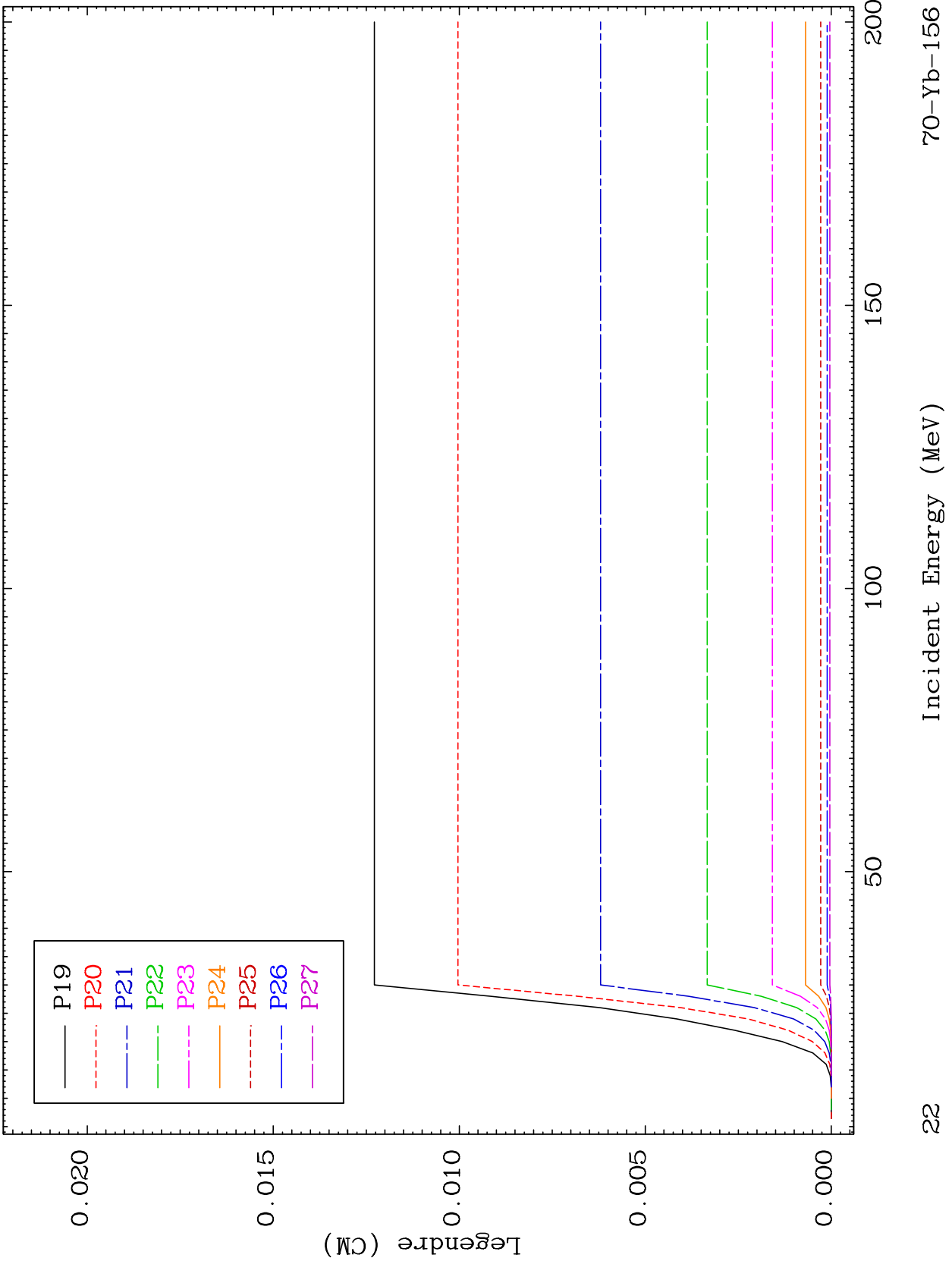
70-Yb-156



21

Incident Energy (MeV)

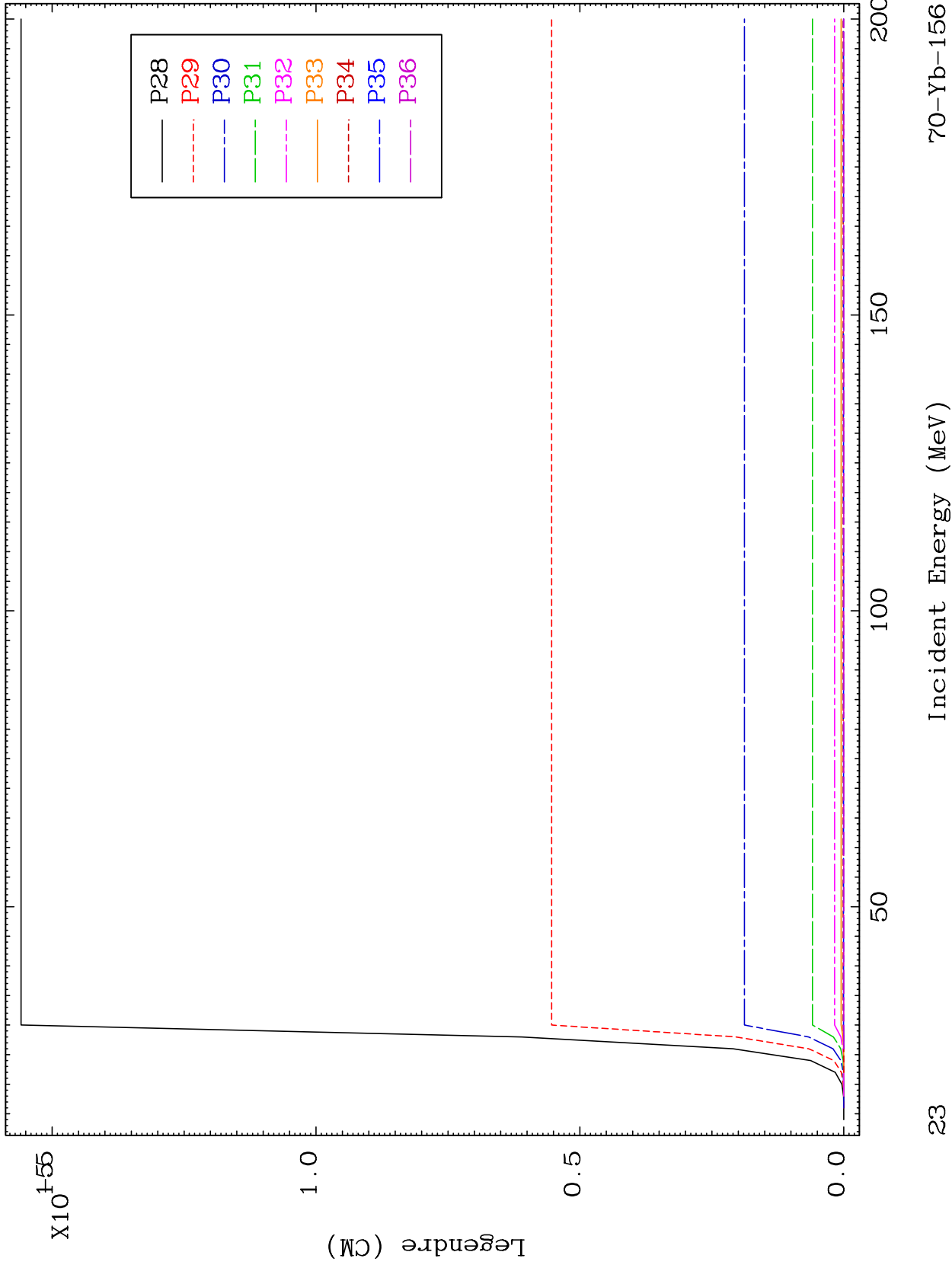
70-Yb-156



MAT 6989

536.0 keV (n,n') Level
Legendre Coefficients

70-Yb-156



23

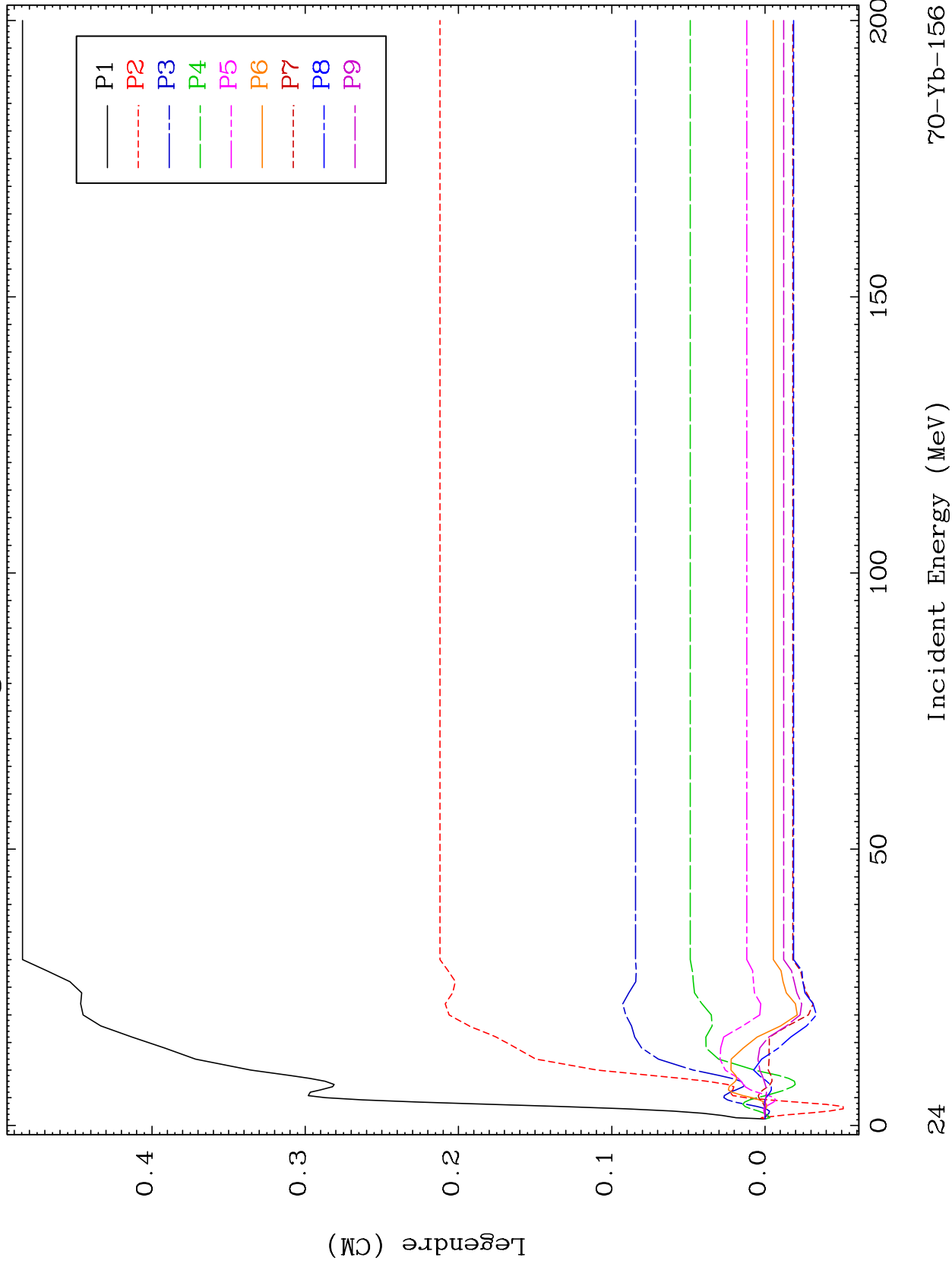
Incident Energy (MeV)

70-Yb-156

MAT 6989

1.143 MeV (n,n') Level
Legendre Coefficients

70-Yb-156



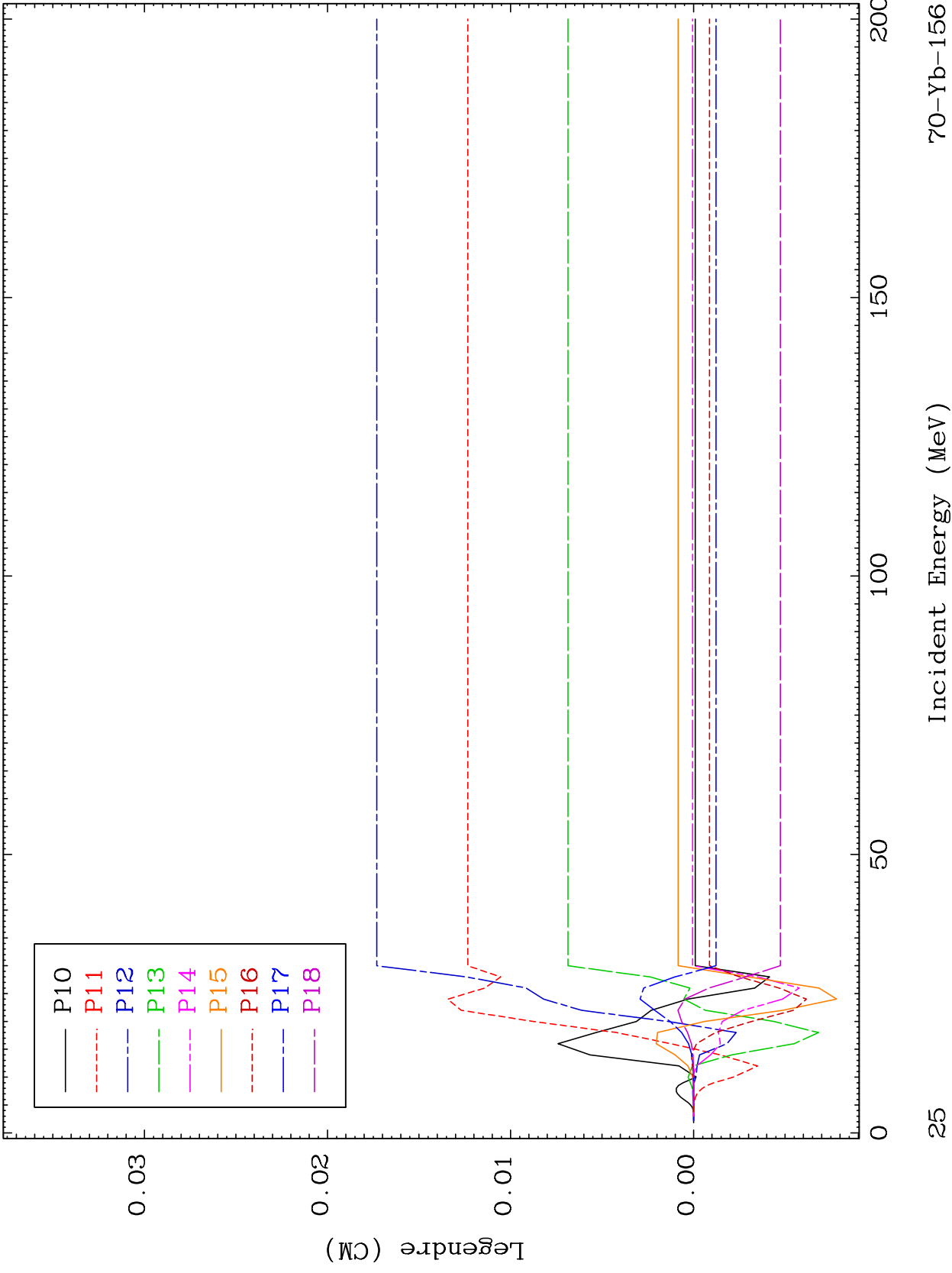
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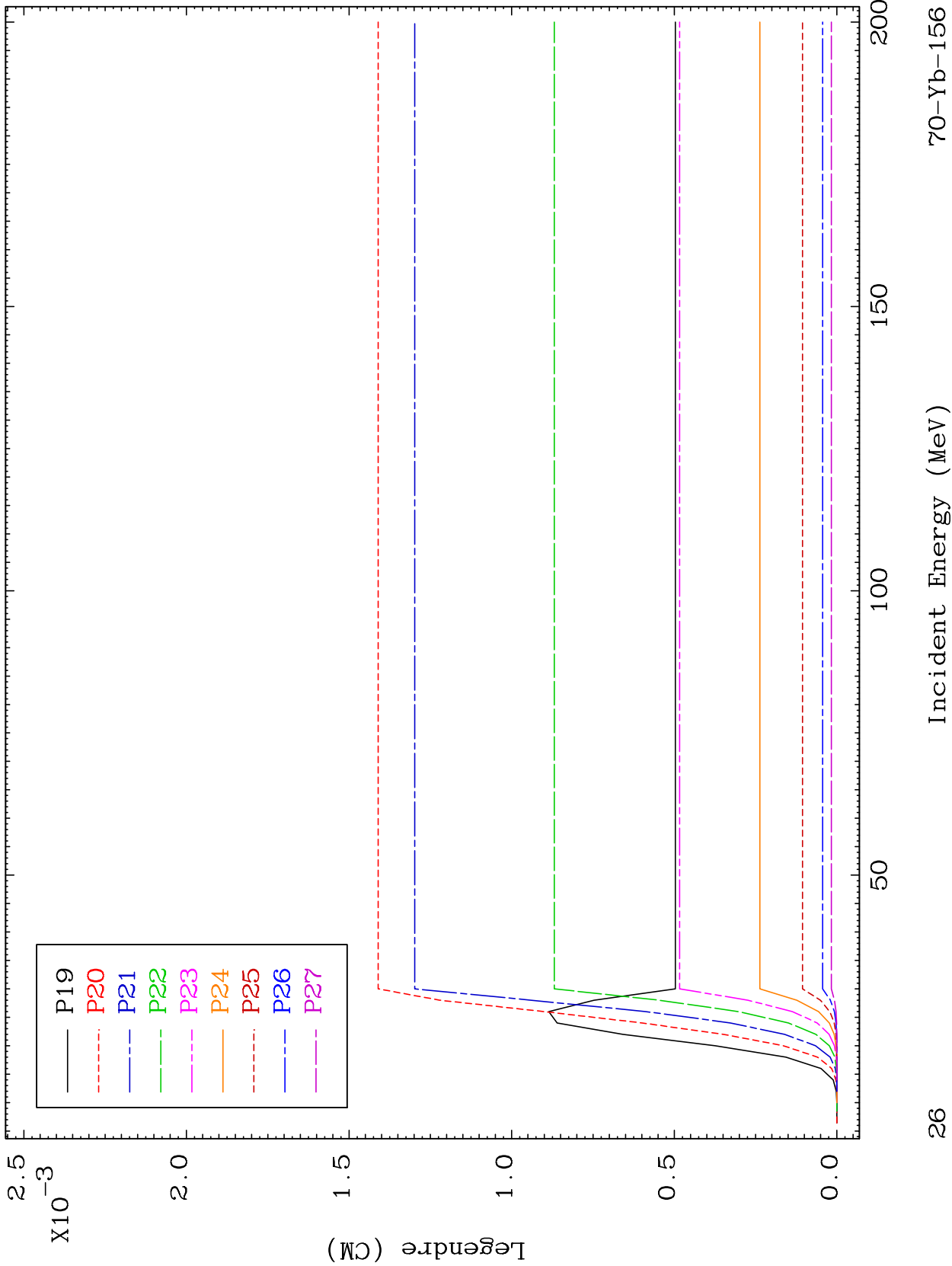
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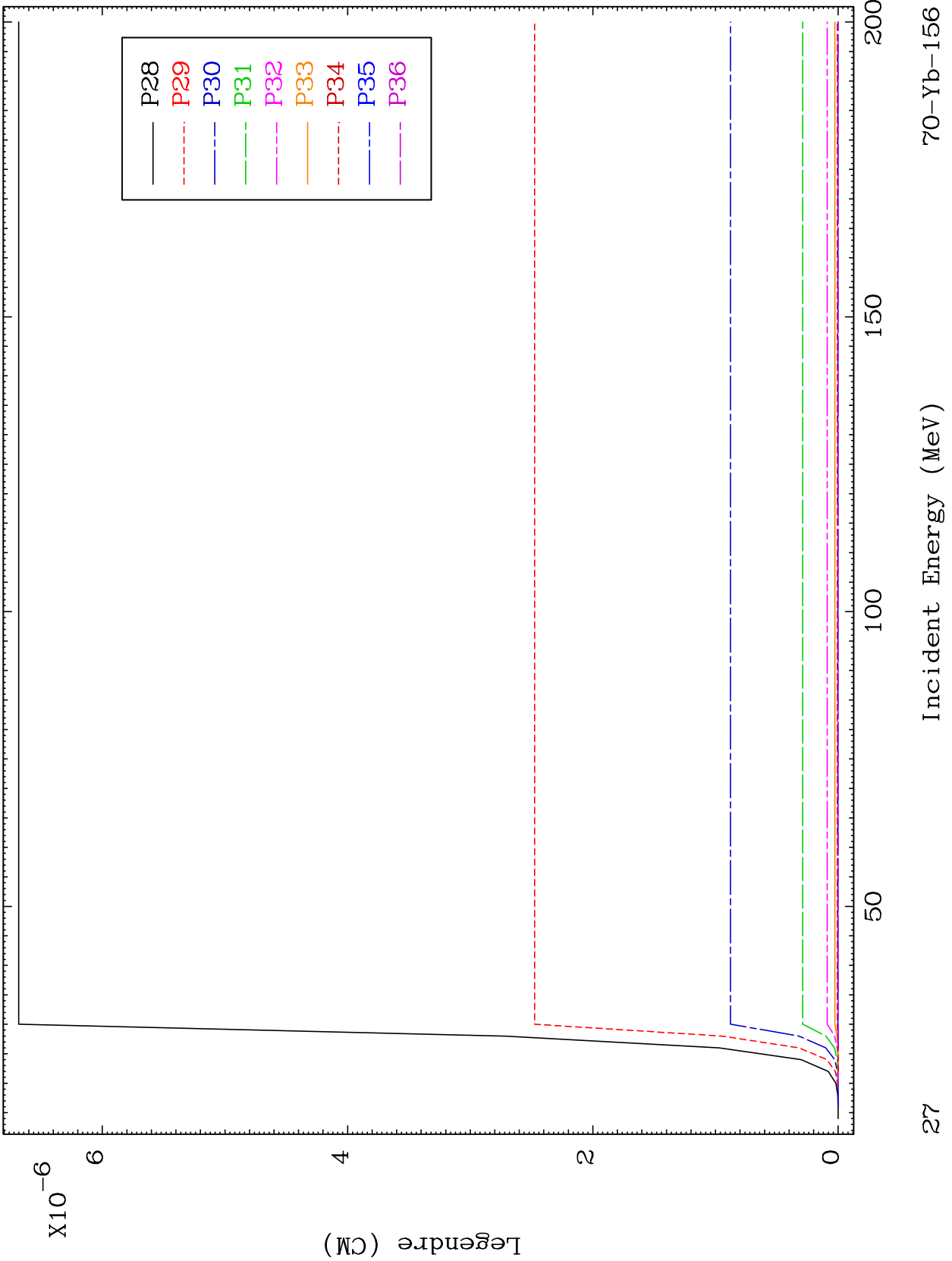
MAT 6989

1.143 MeV (n, n') Level
Legendre Coefficients

70-Yb-156



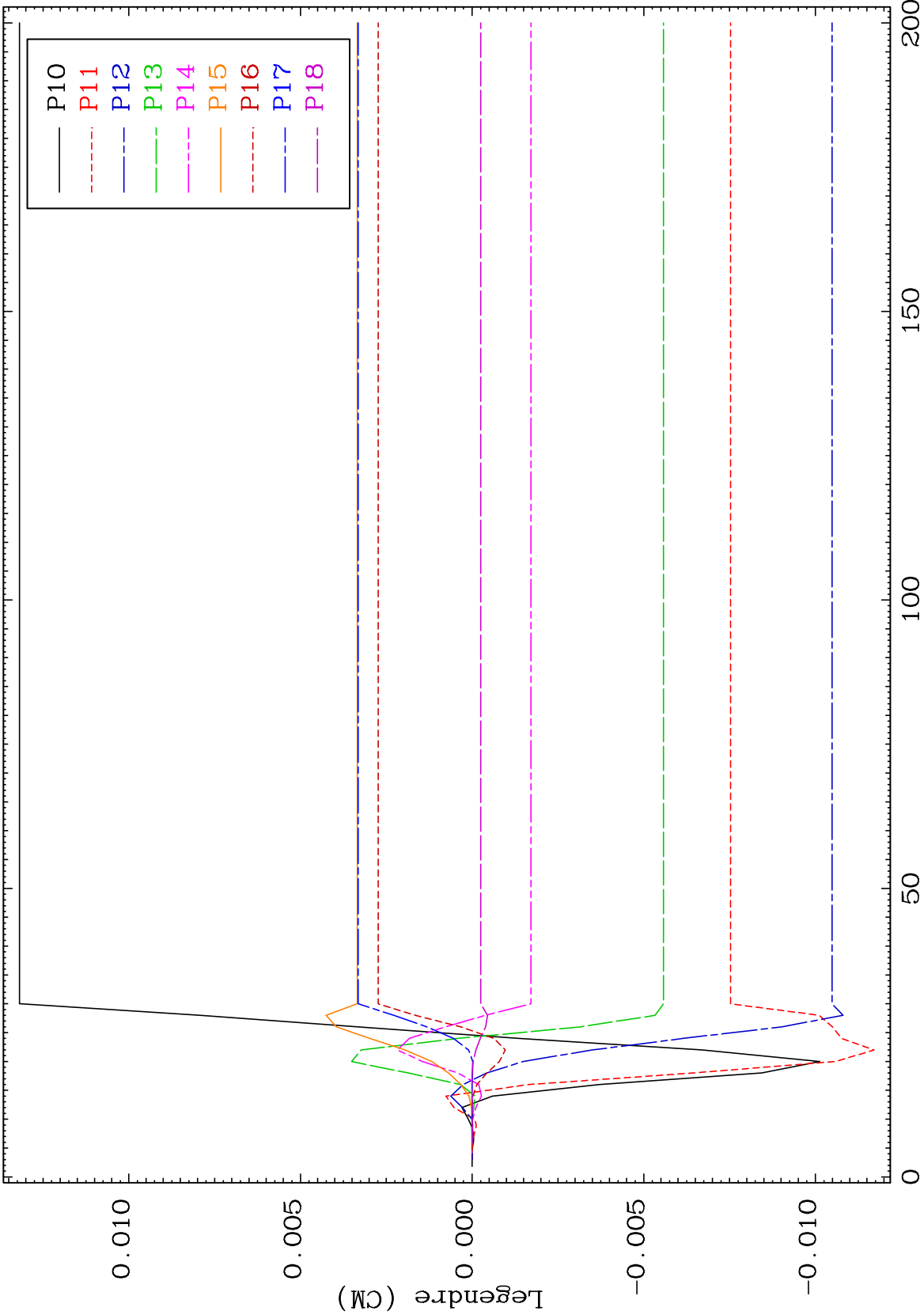




MAT 6989

1.728 MeV (n,n') Level
Legendre Coefficients

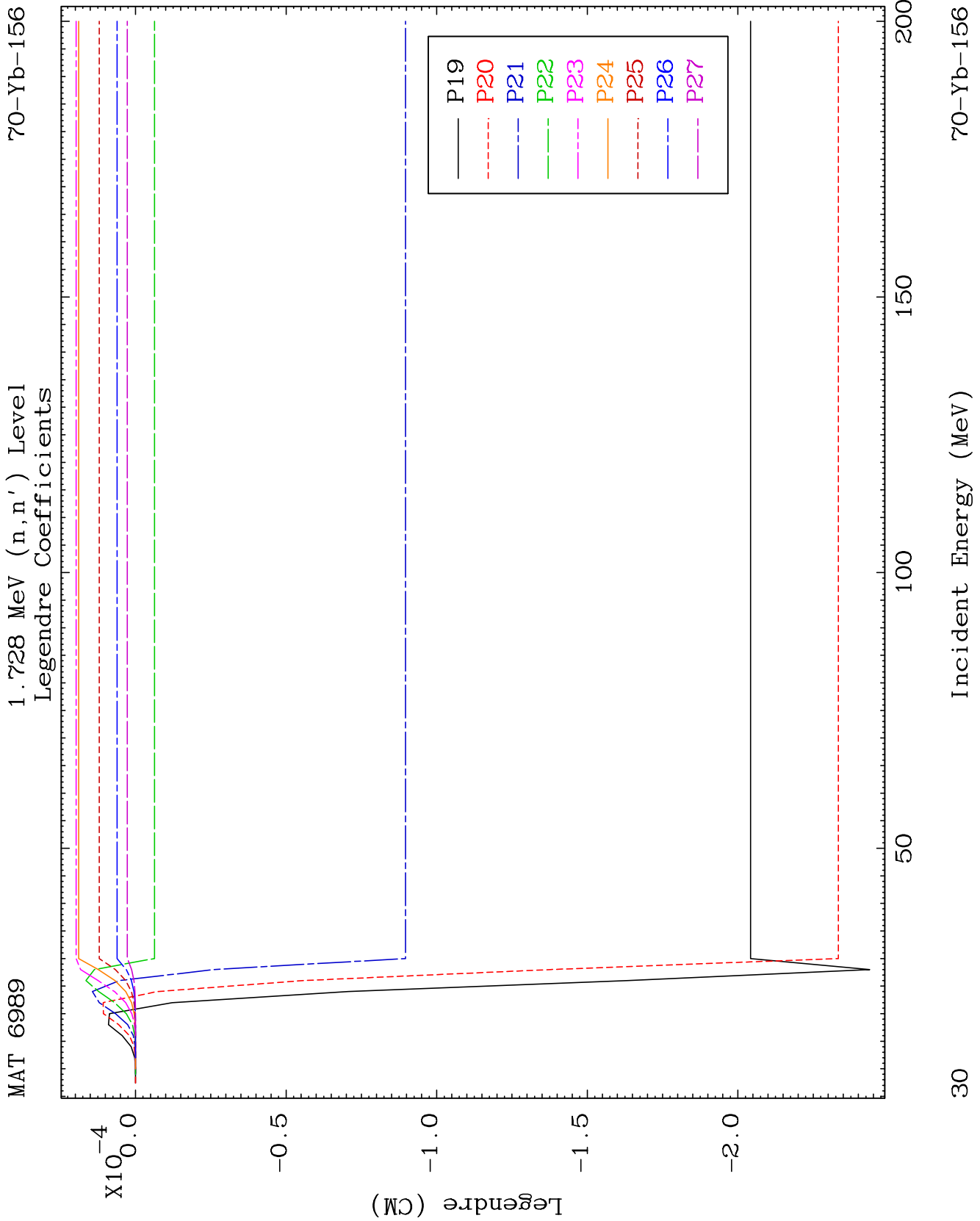
70-Yb-156



29

Incident Energy (MeV)

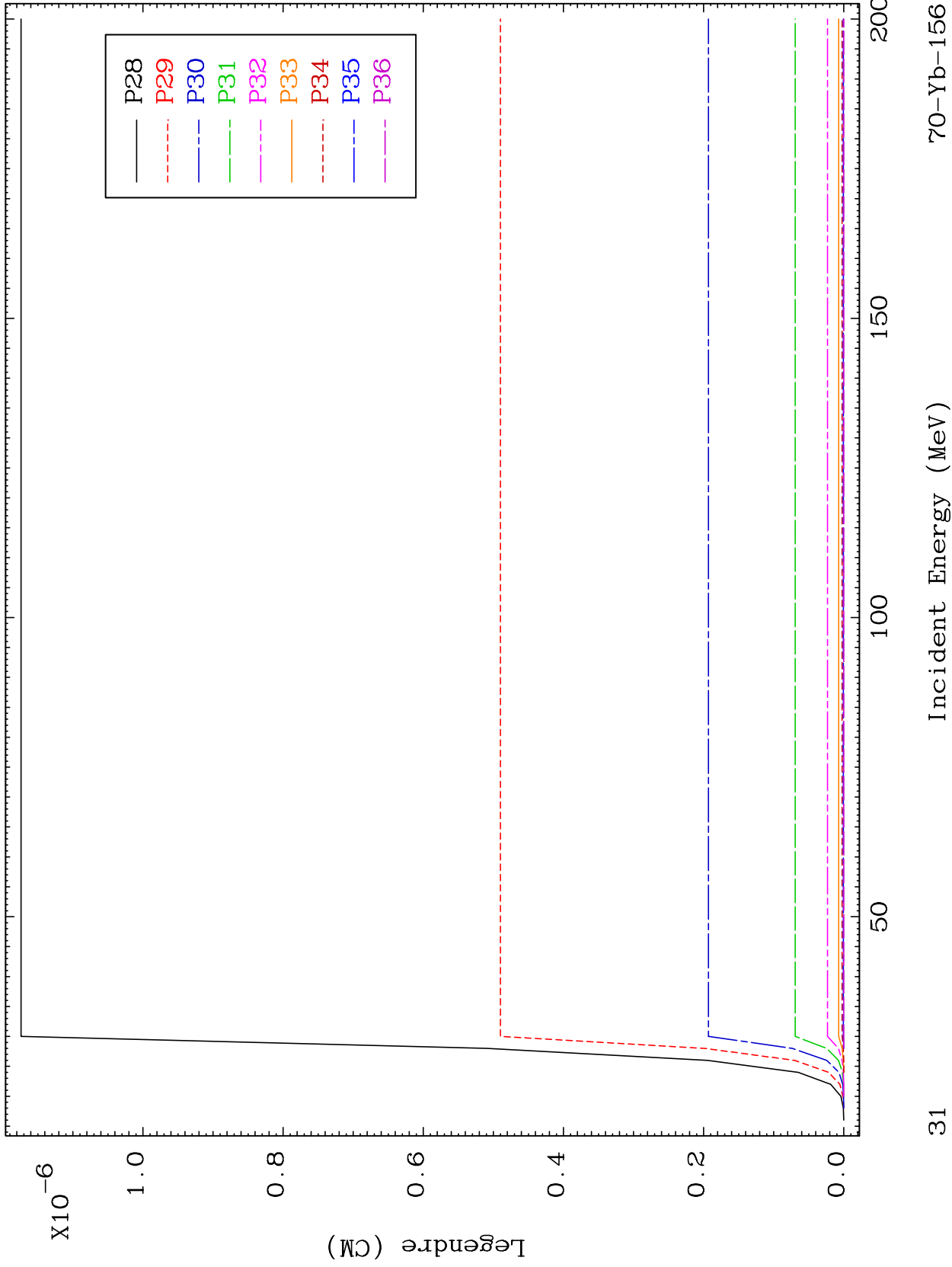
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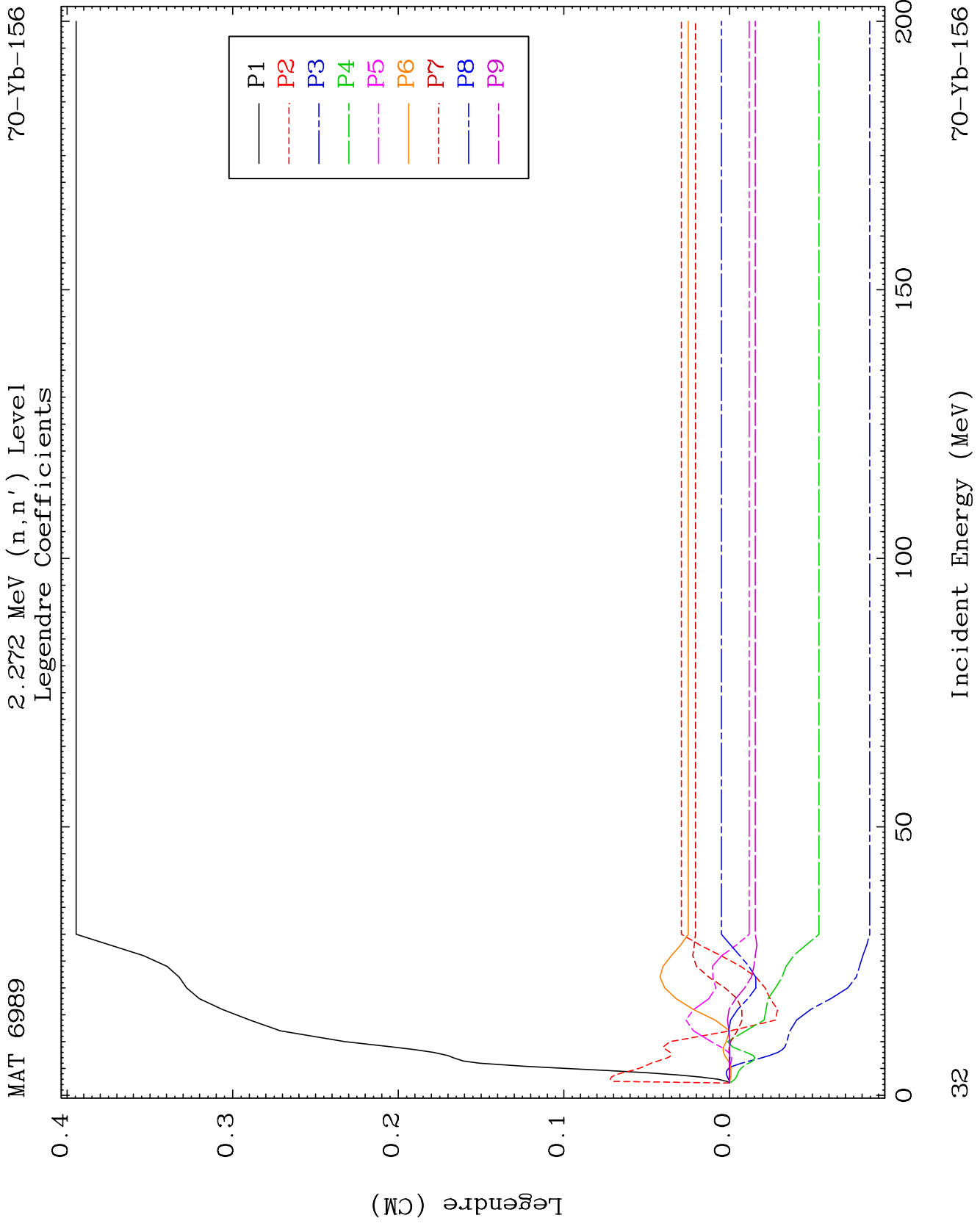
MAT 6989

1.728 MeV (n,n') Level
Legendre Coefficients

70-Yb-156



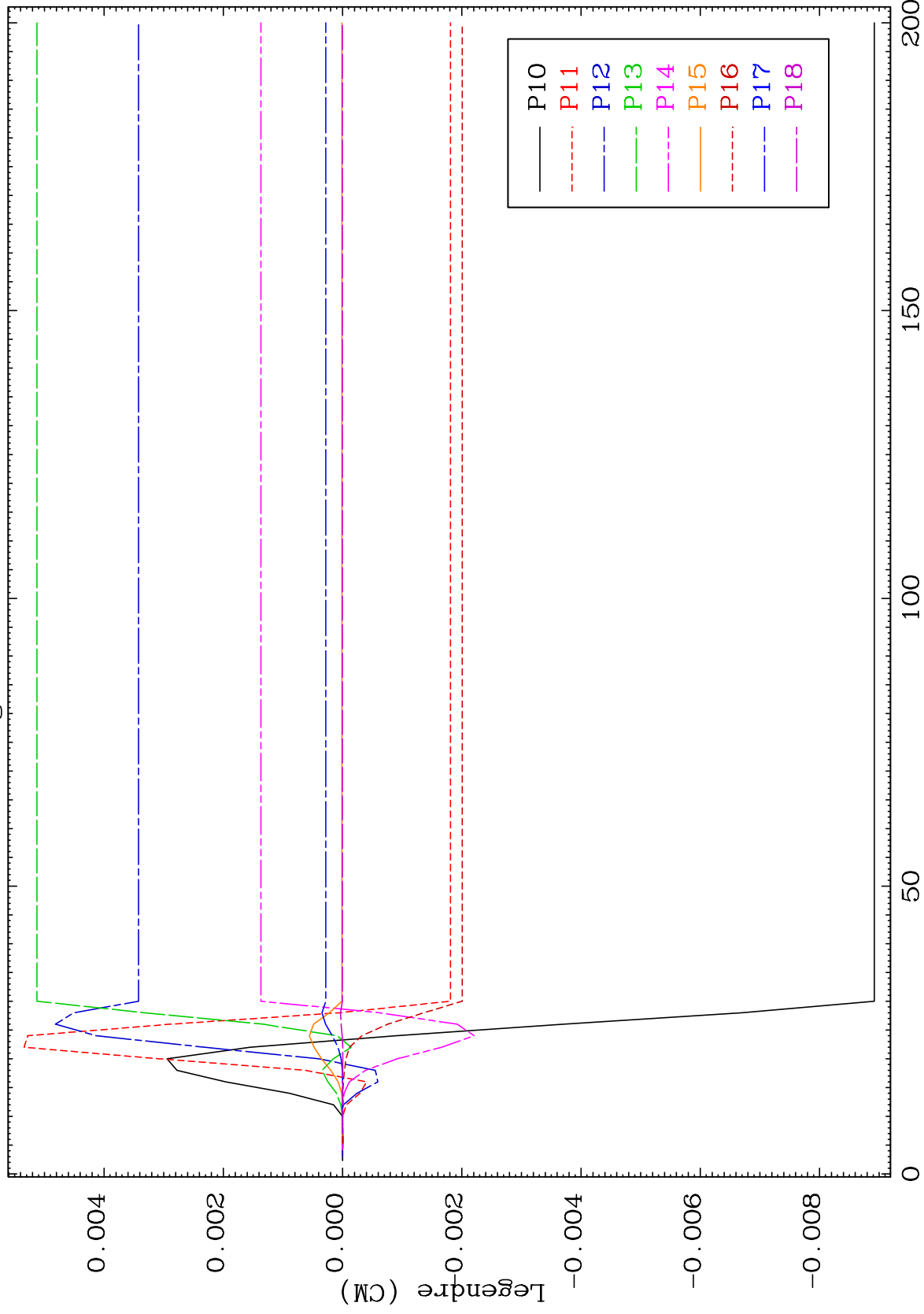
31



MAT 6989

2.272 MeV (n,n') Level
Legendre Coefficients

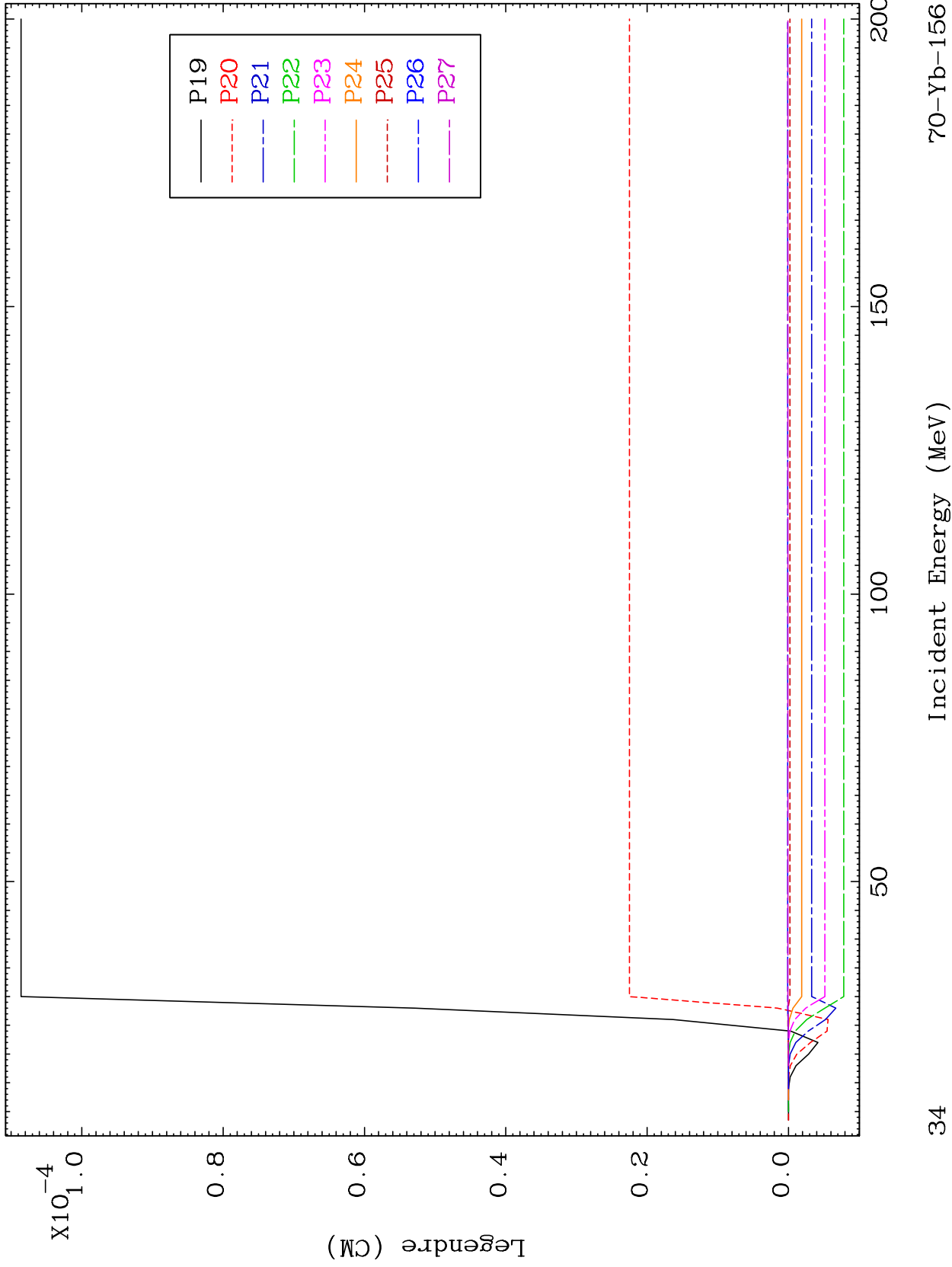
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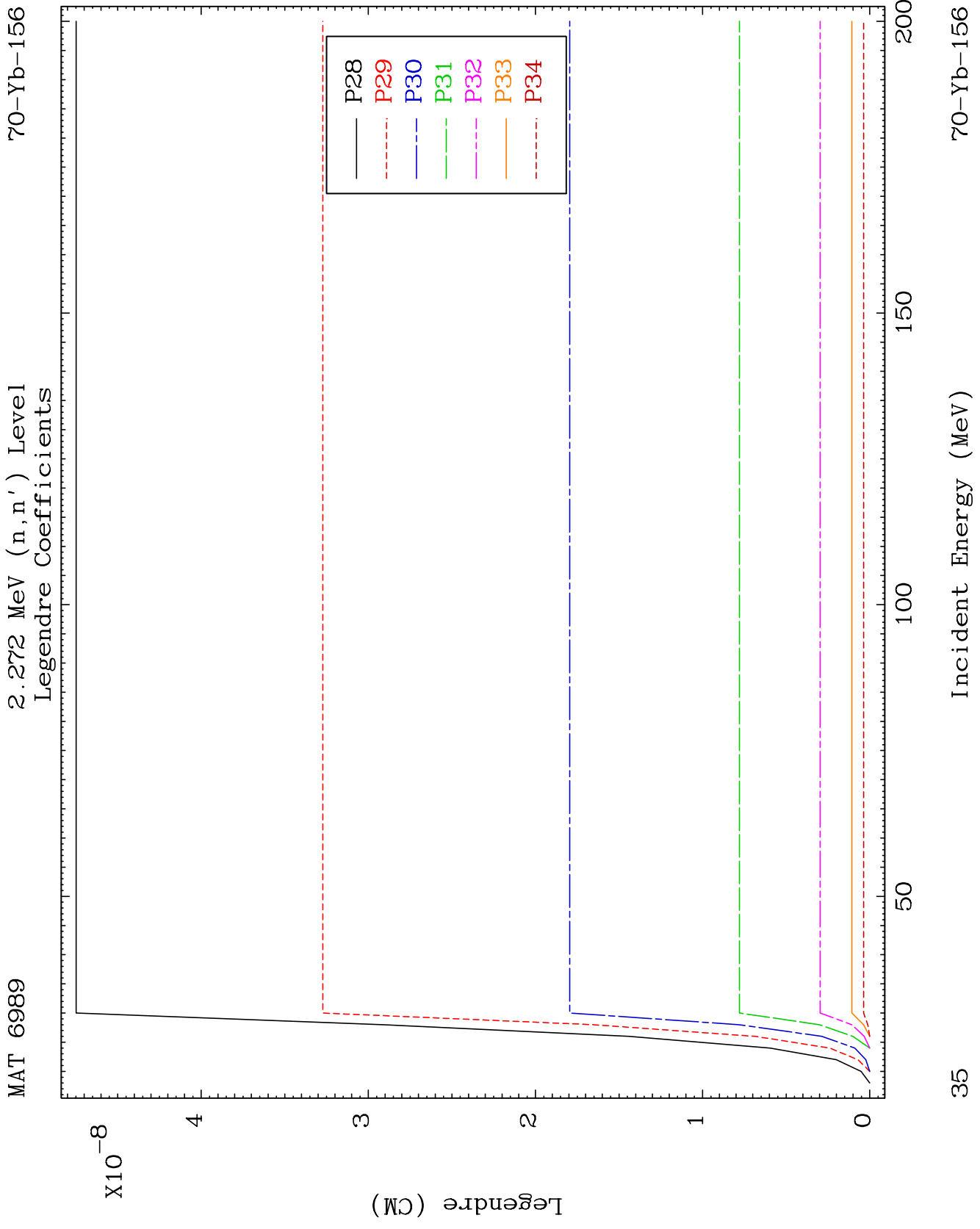
MAT 6989

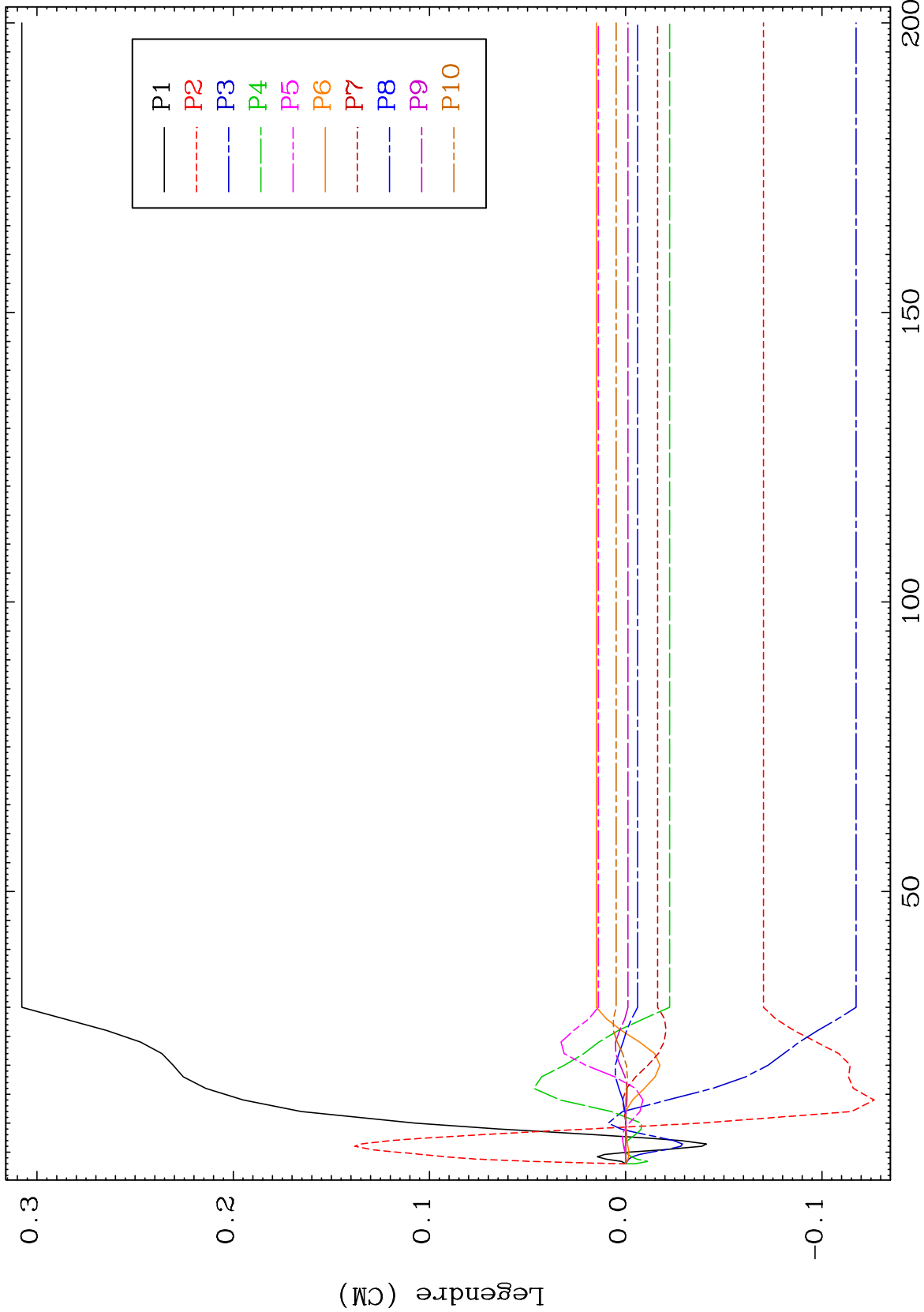
2.272 MeV (n, n') Level
Legendre Coefficients

70-Yb-156



34

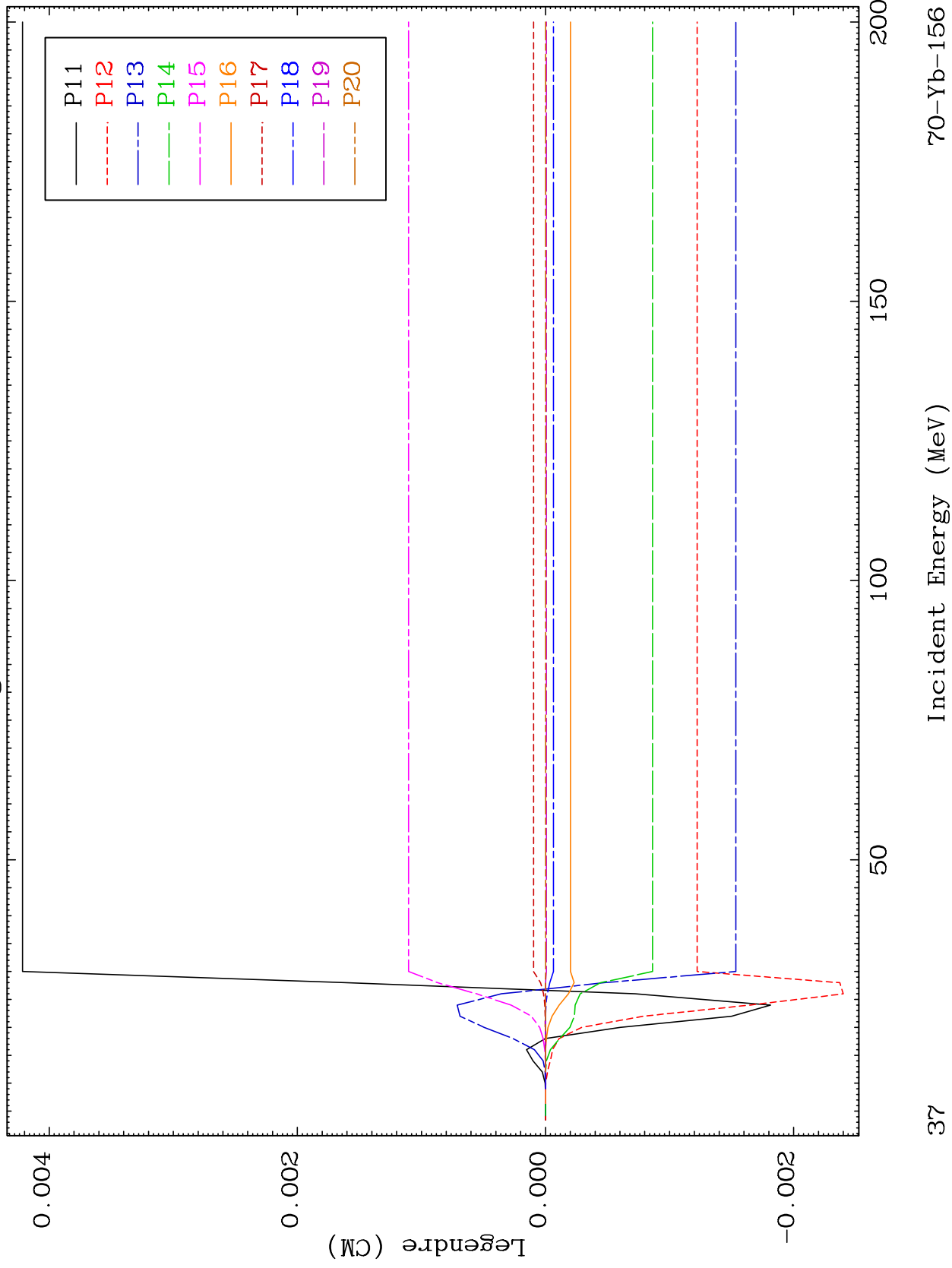




MAT 6989

2.955 MeV (n,n') Level
Legendre Coefficients

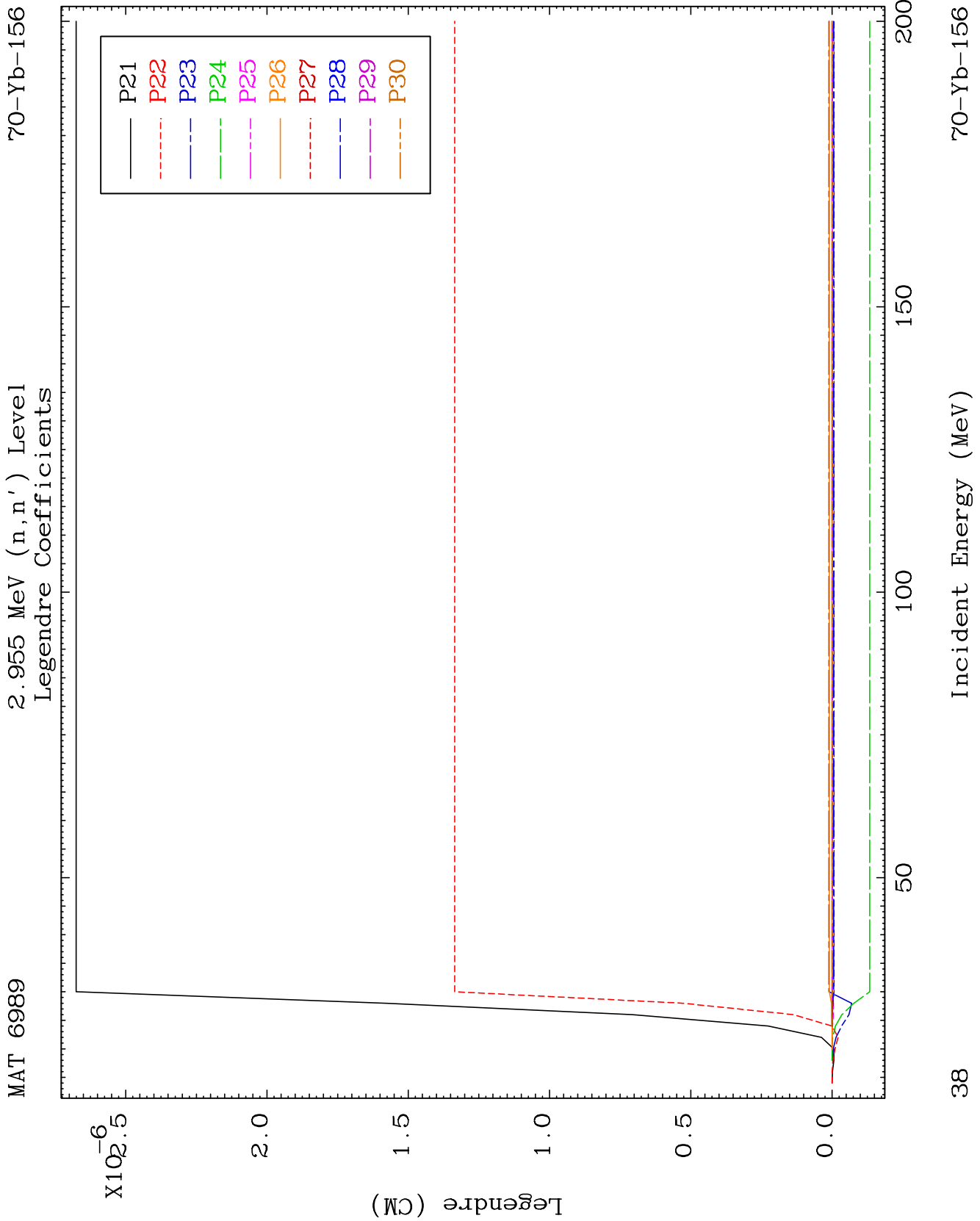
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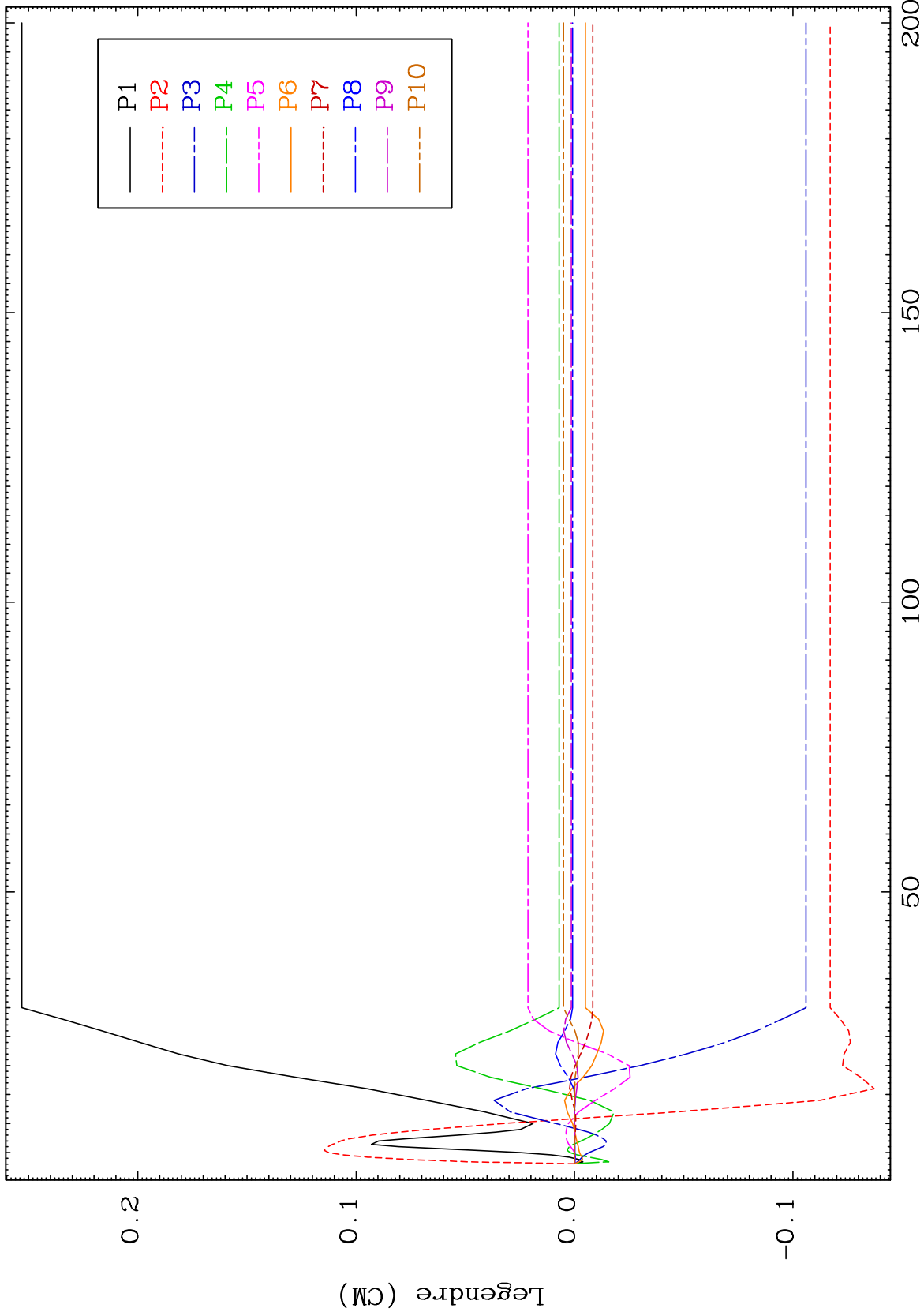


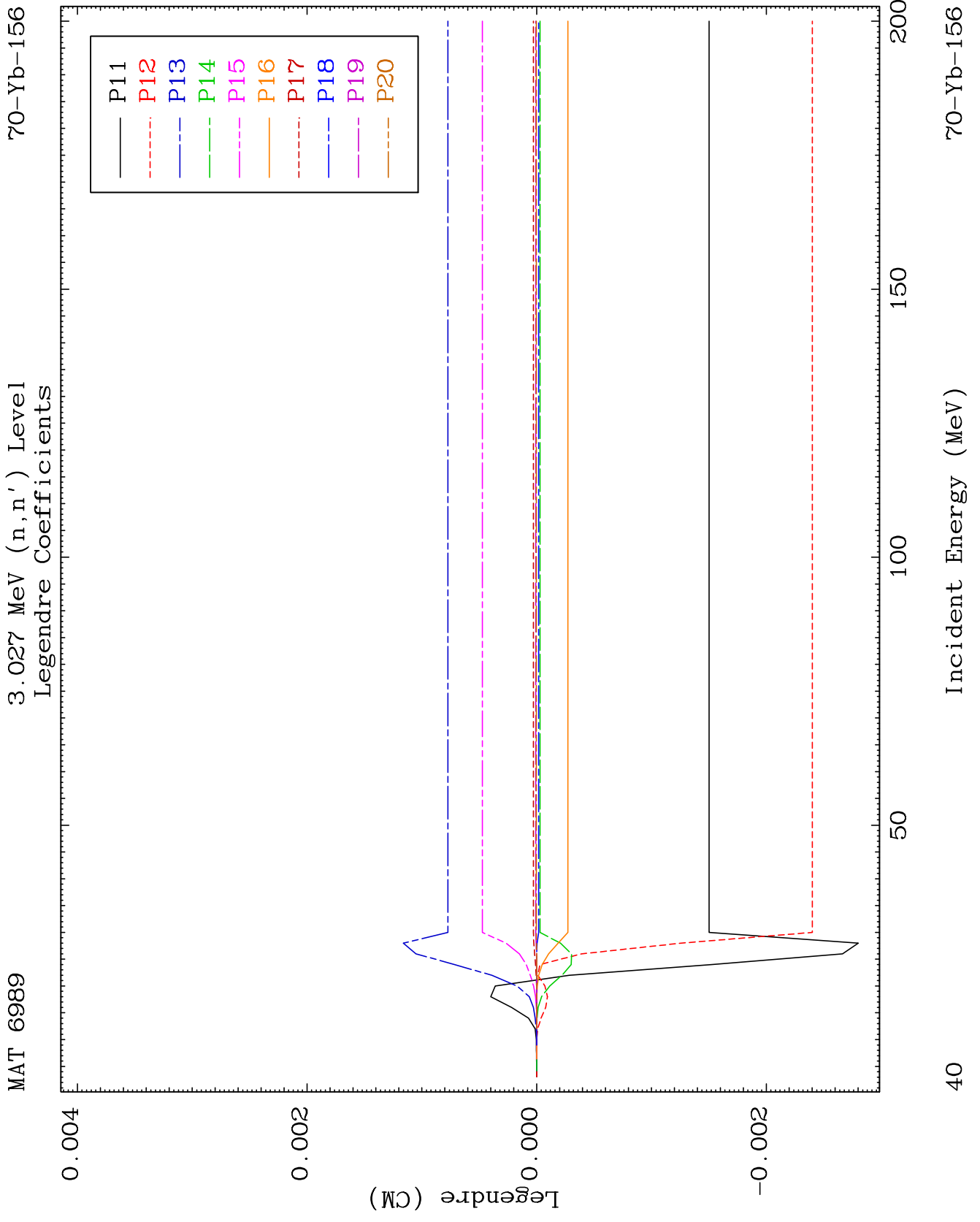
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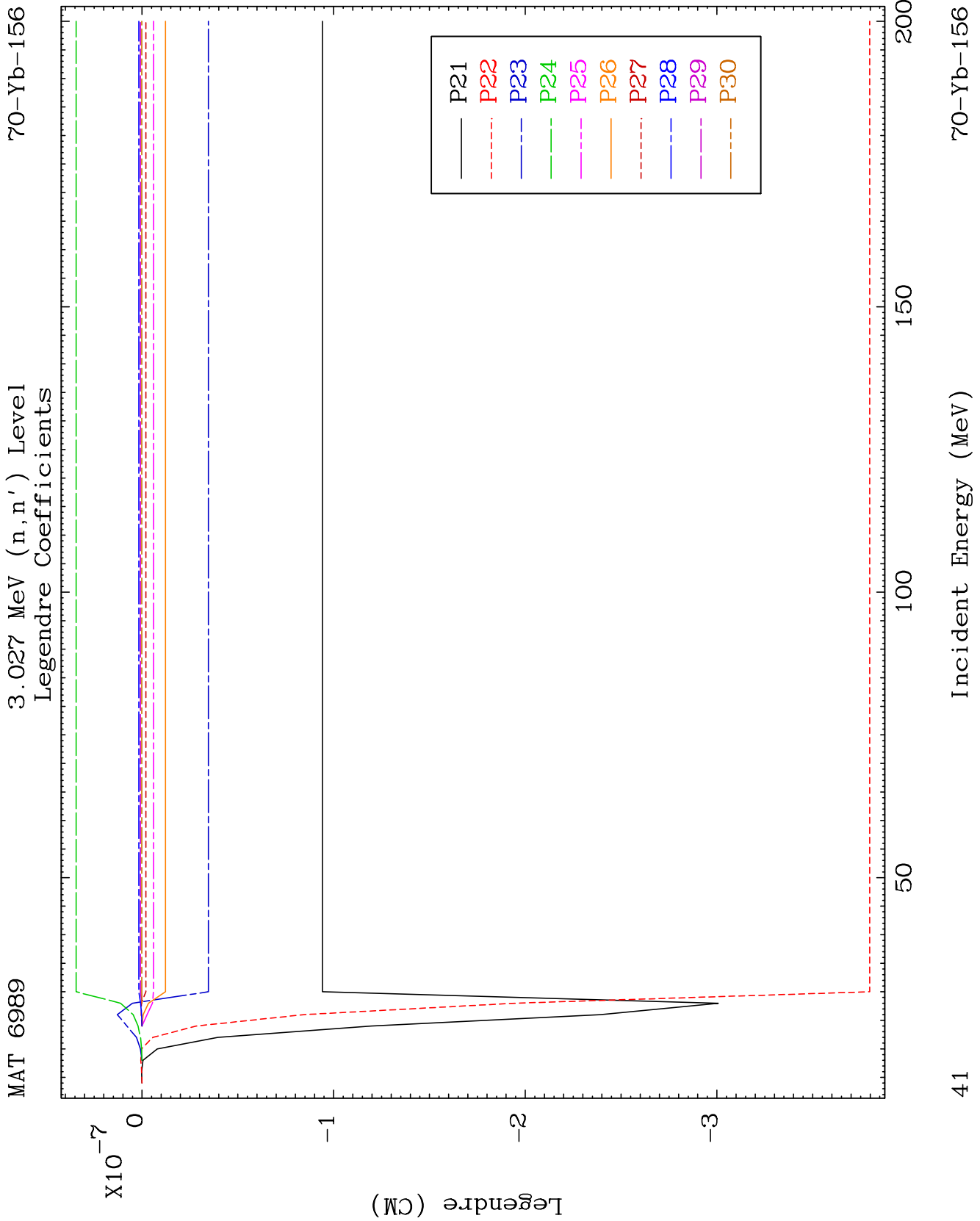
Incident Energy (MeV)

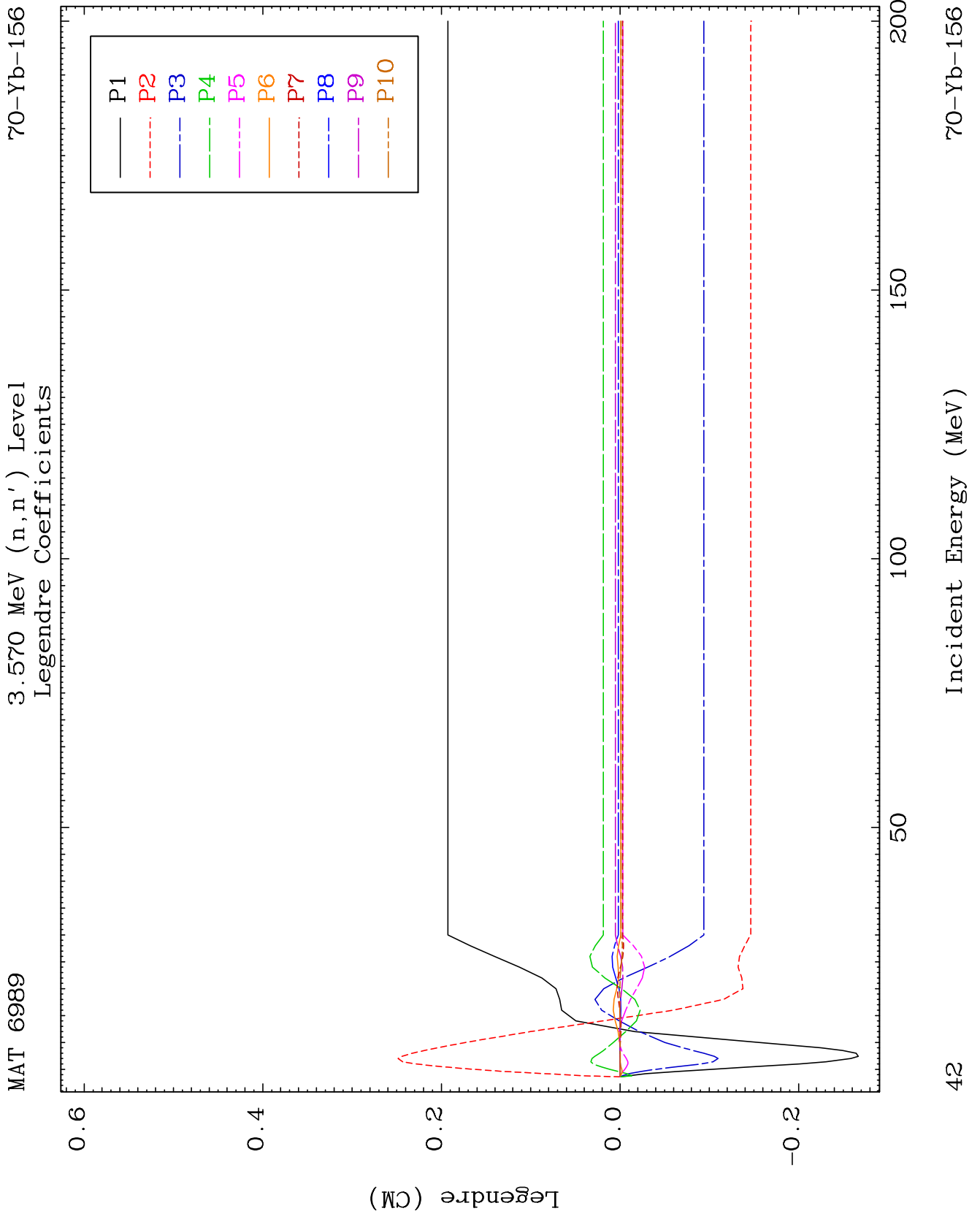
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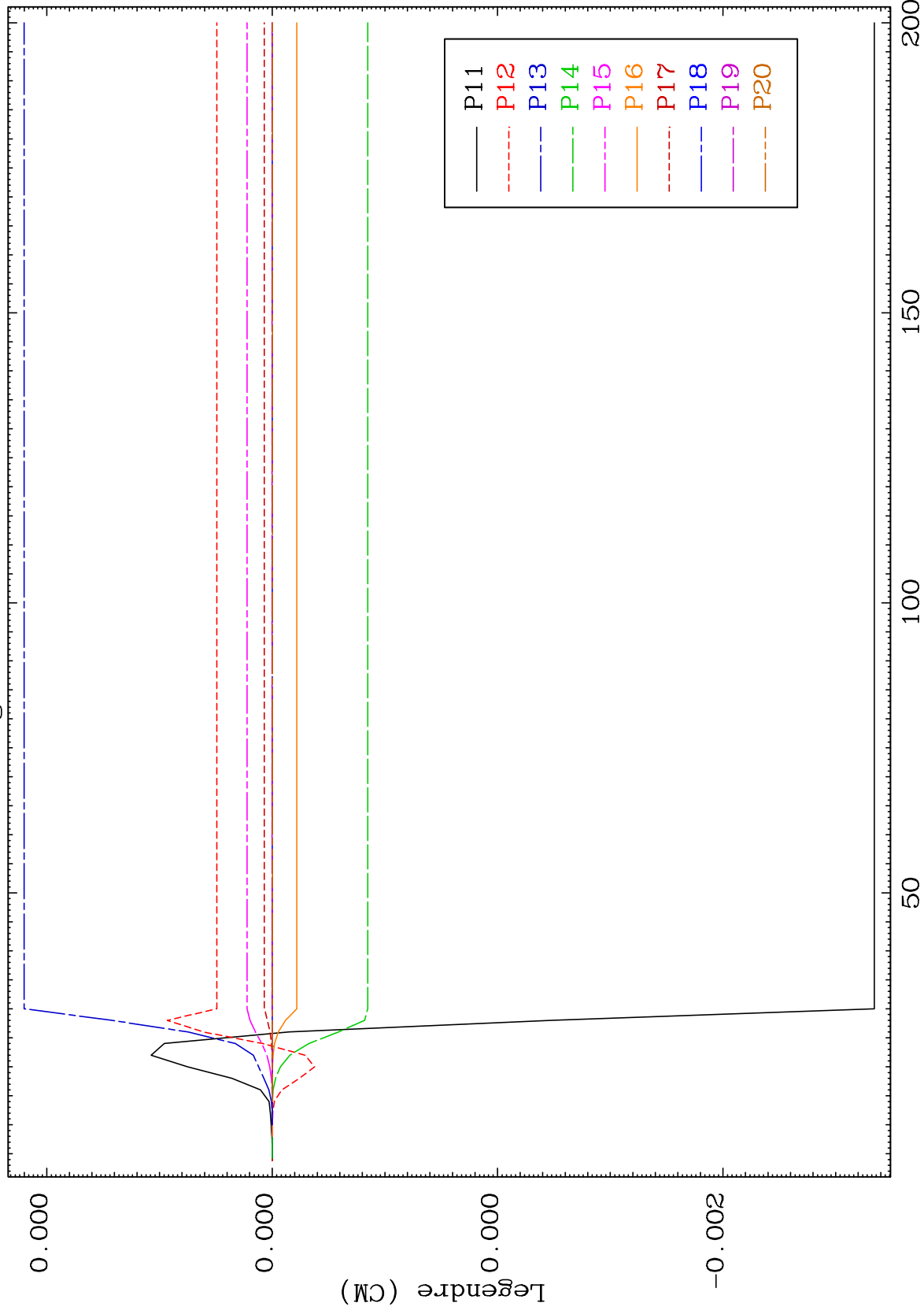


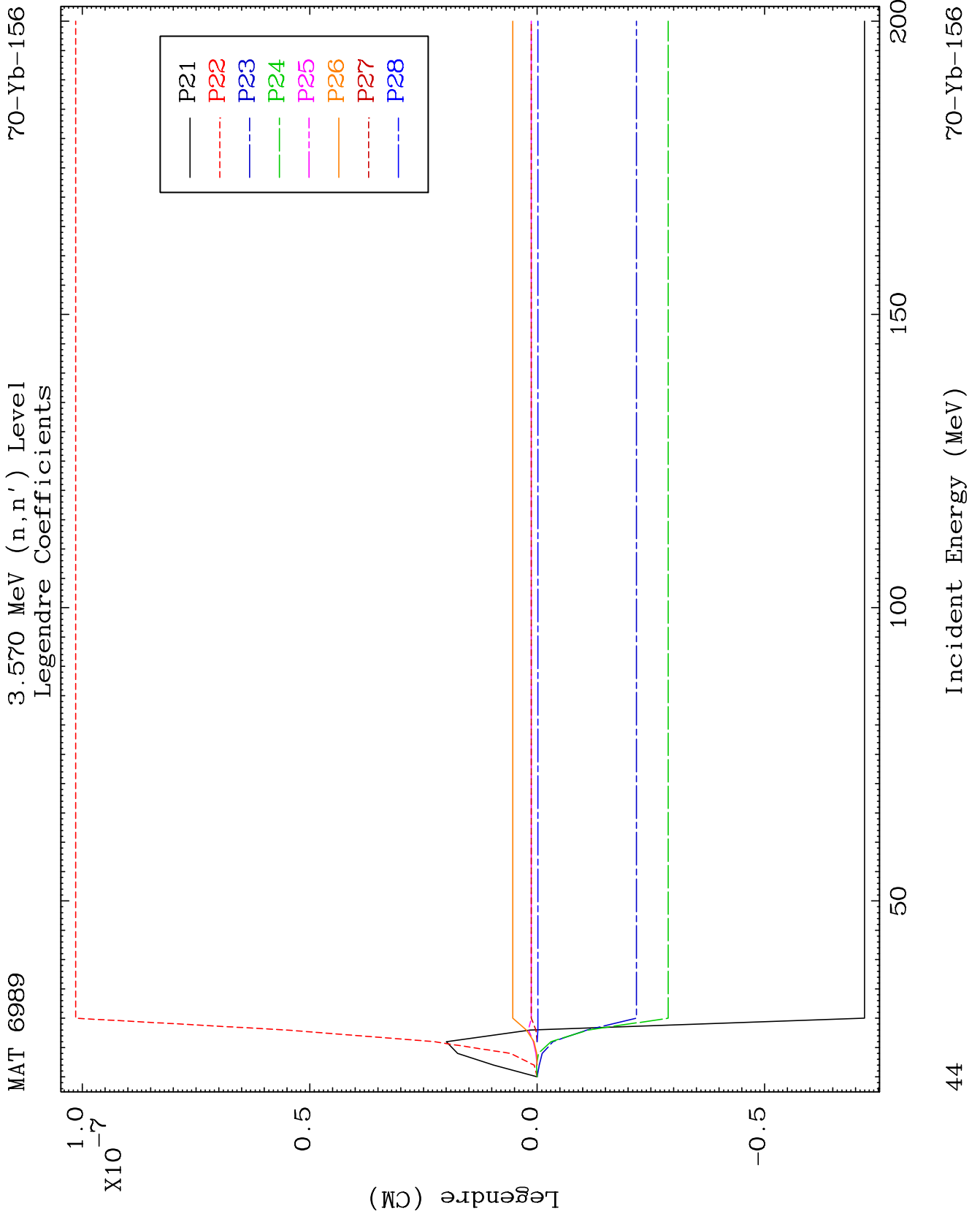


MAT 6989

3.570 MeV (n, n') Level
Legendre Coefficients

70-Yb-156

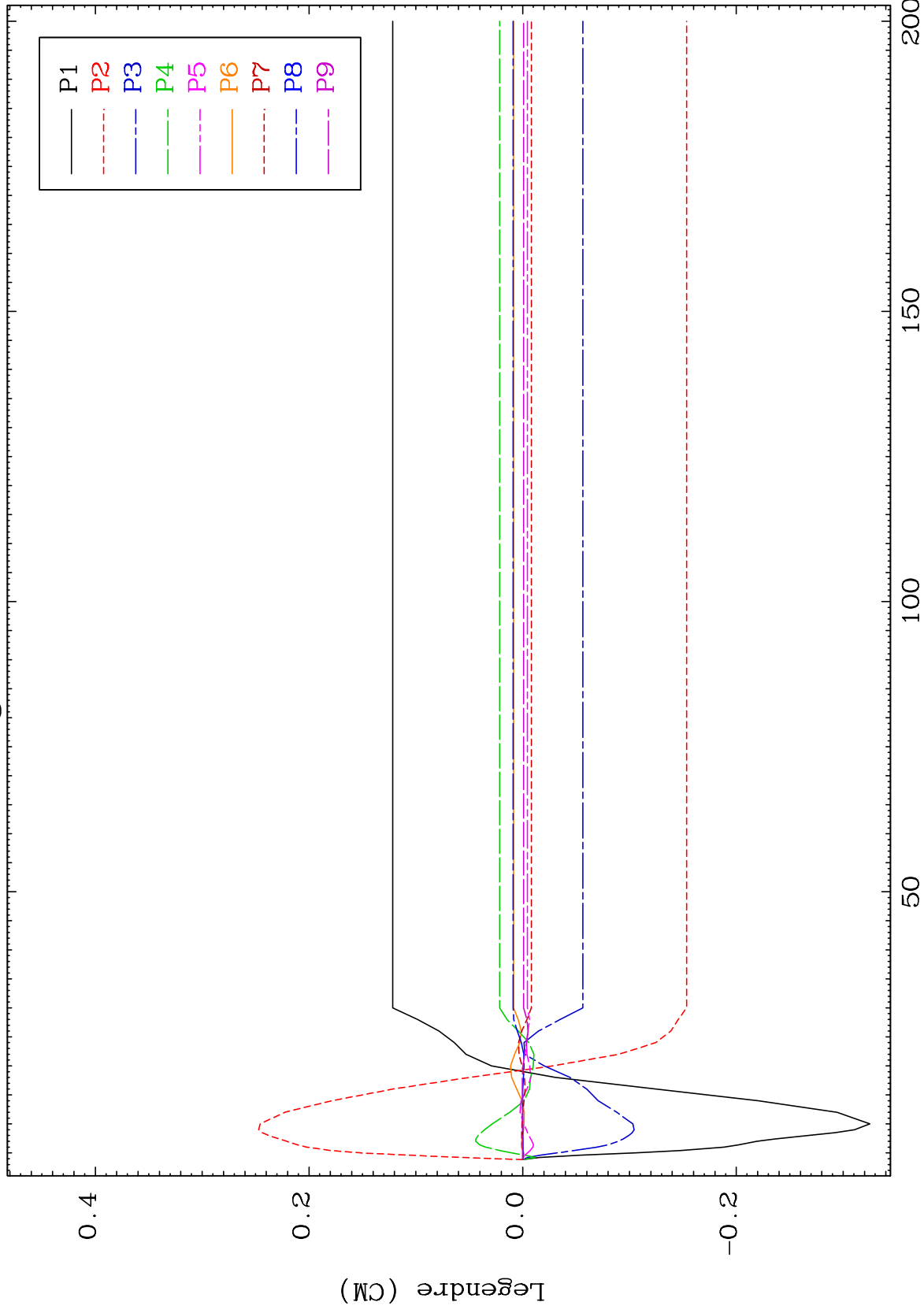




MAT 6989

3.815 MeV (n,n') Level
Legendre Coefficients

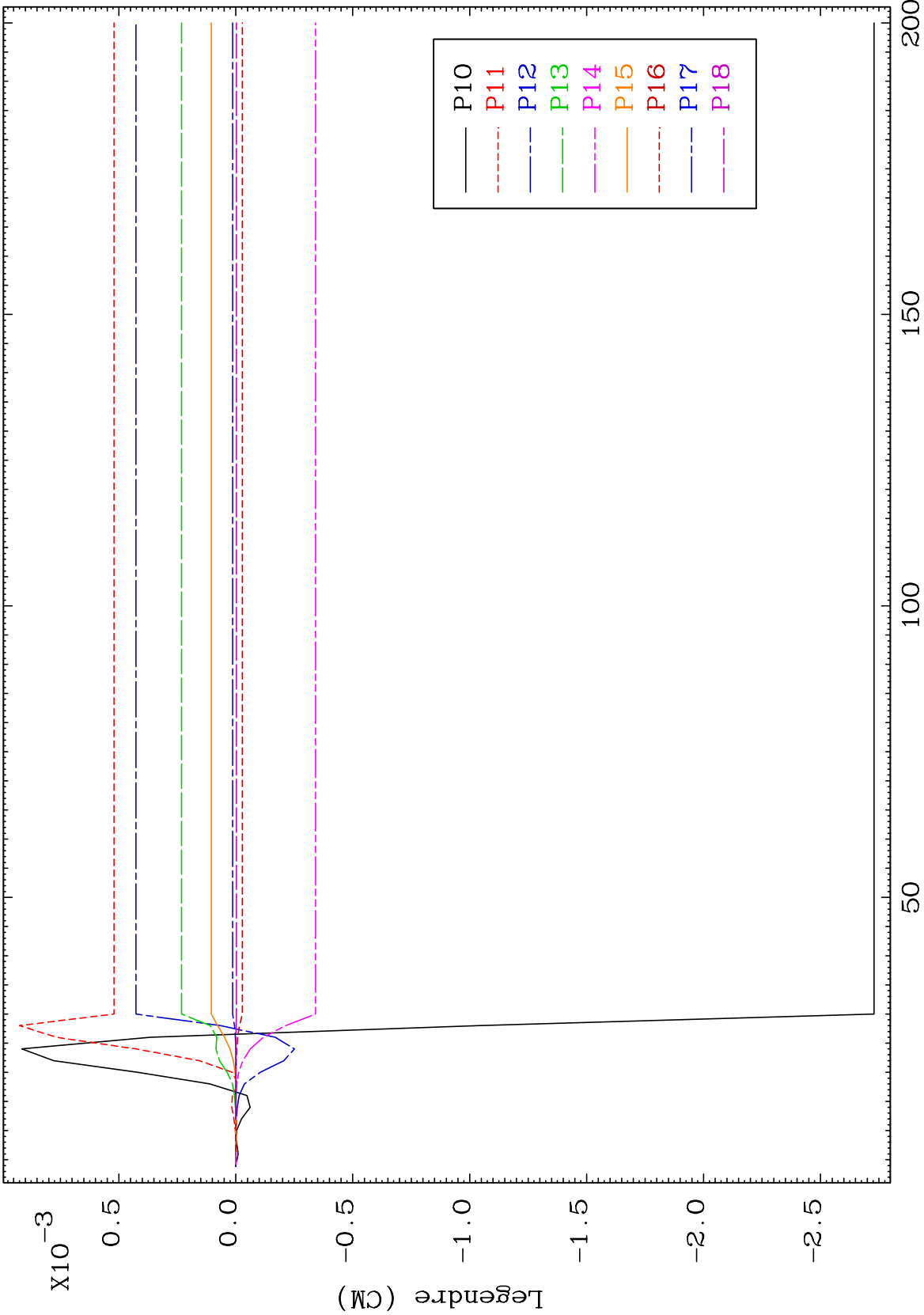
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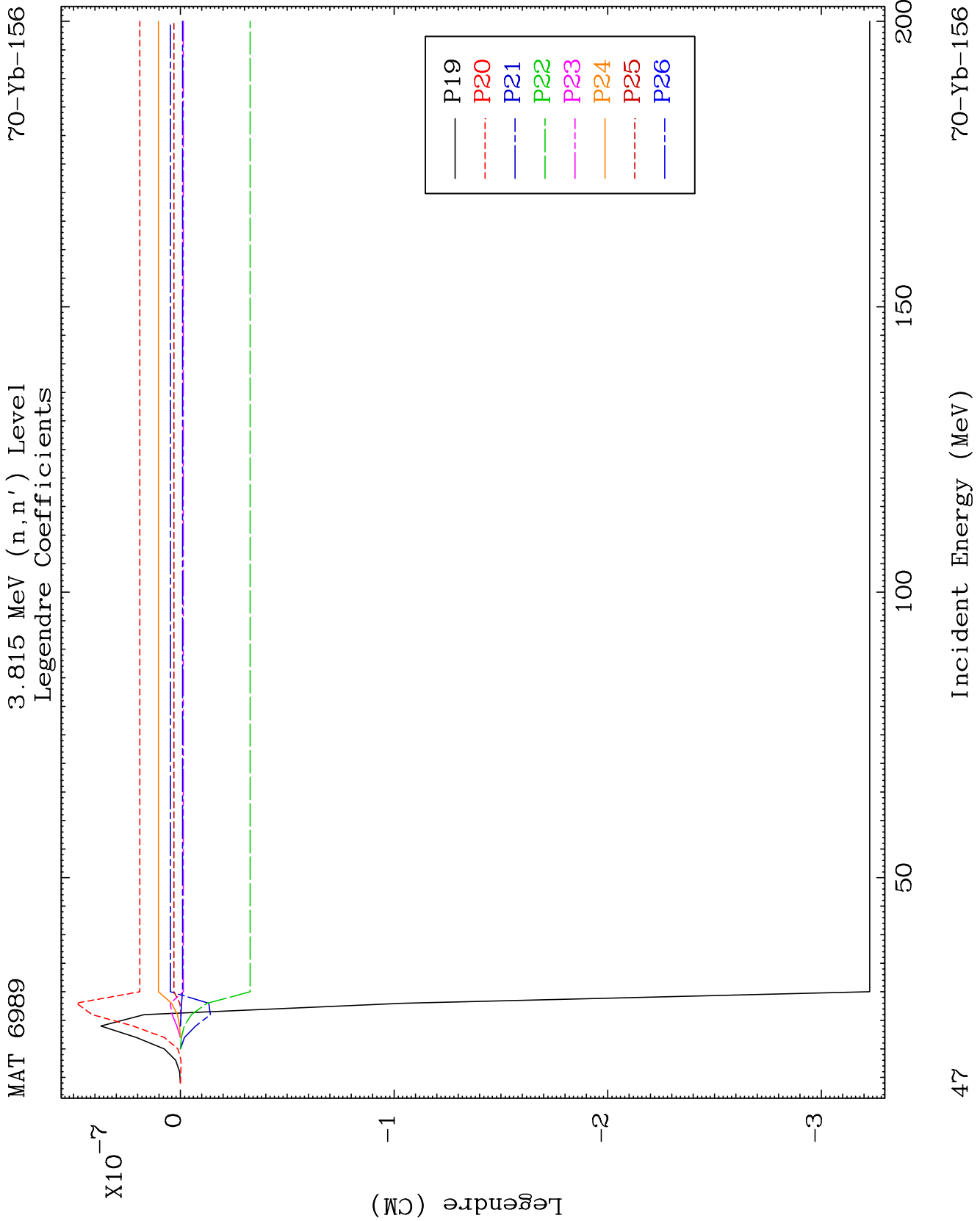


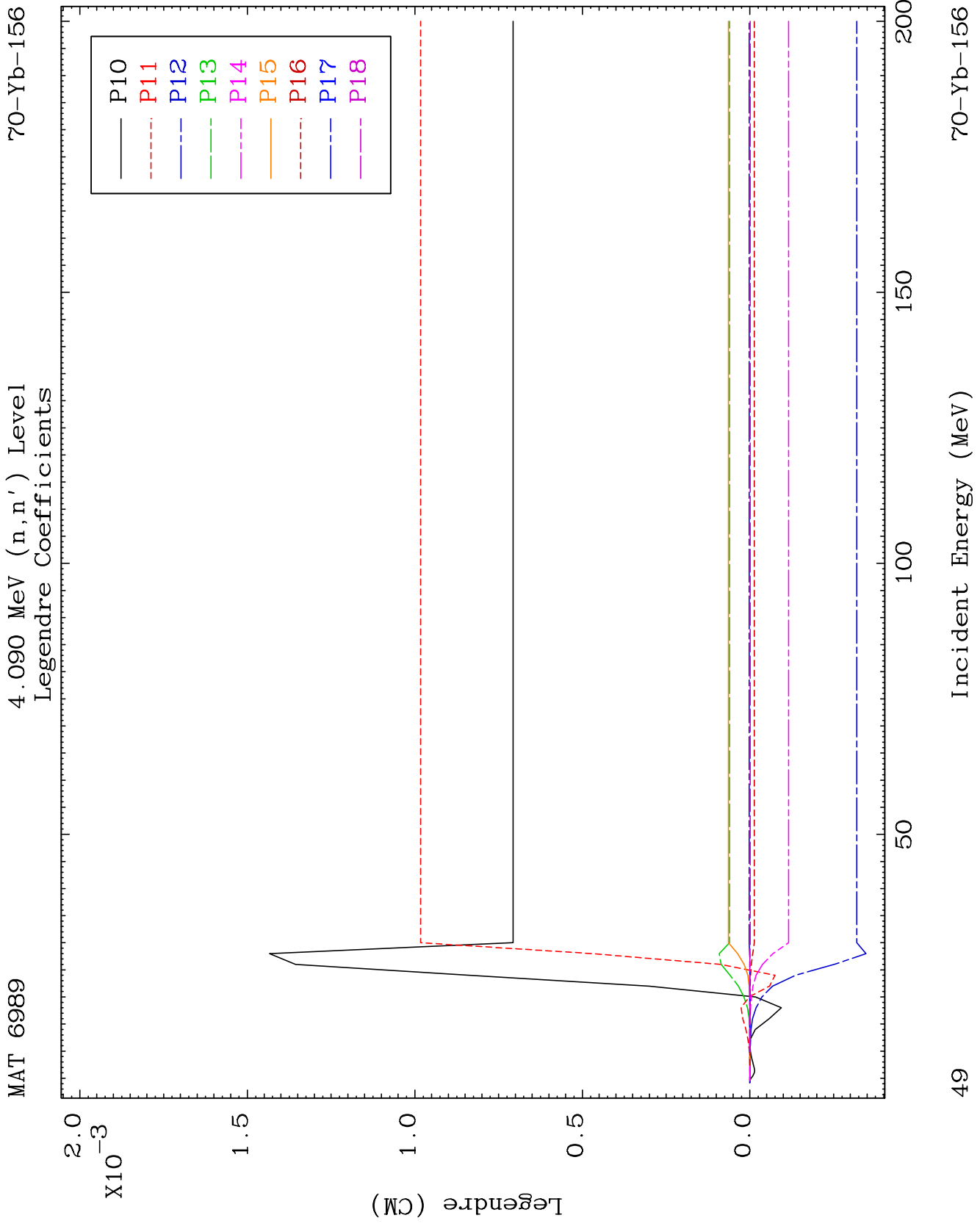
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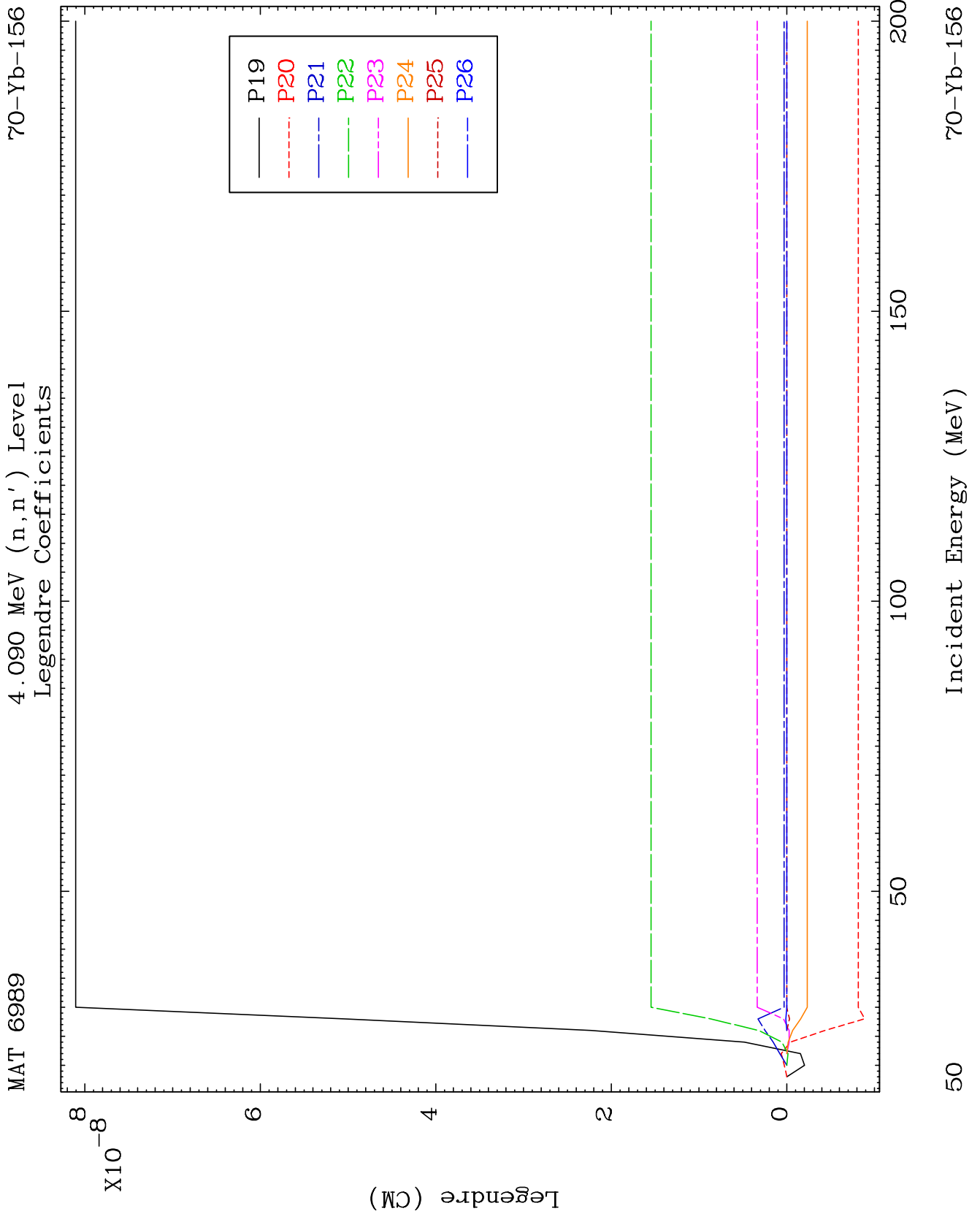
Incident Energy (MeV)

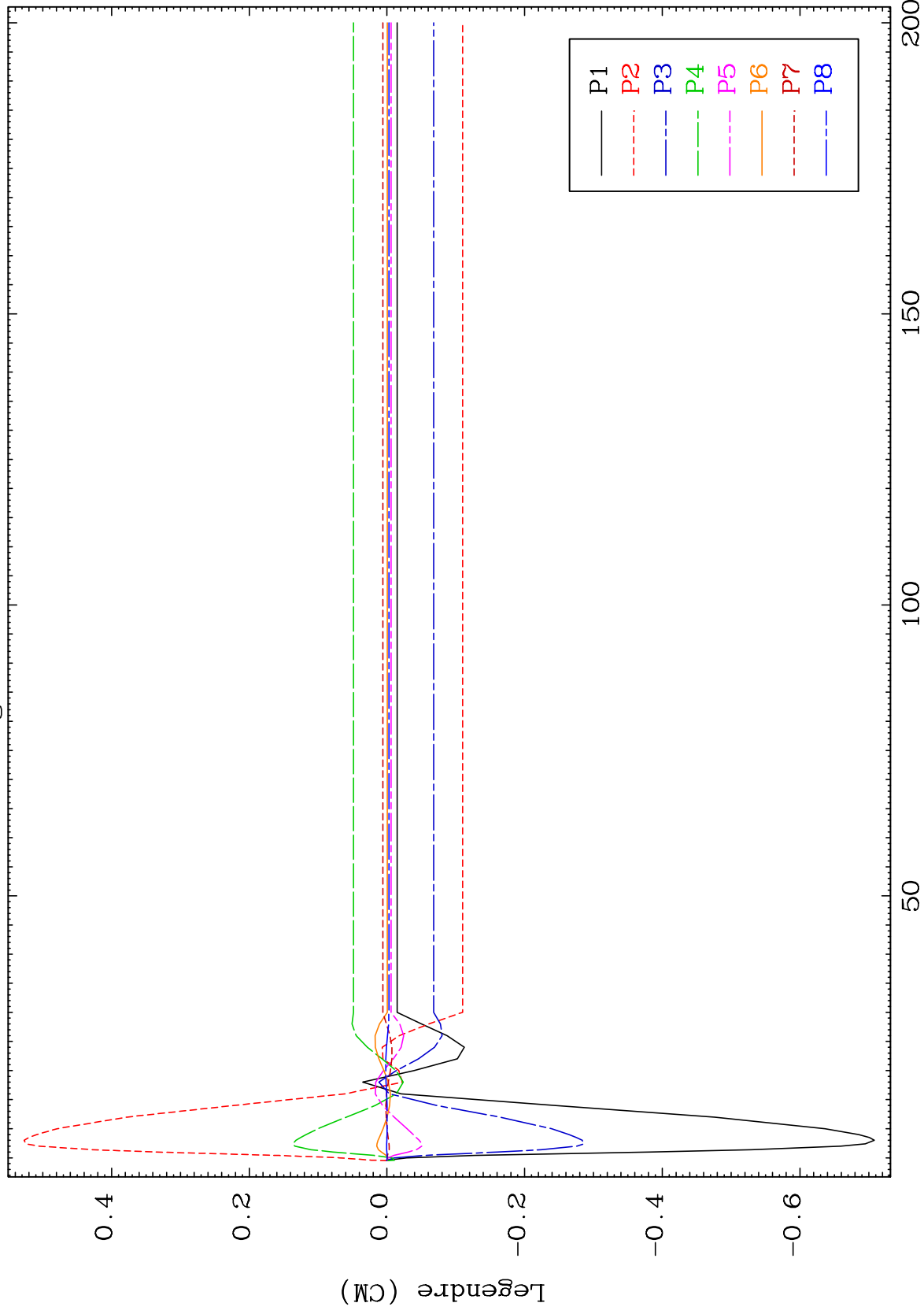
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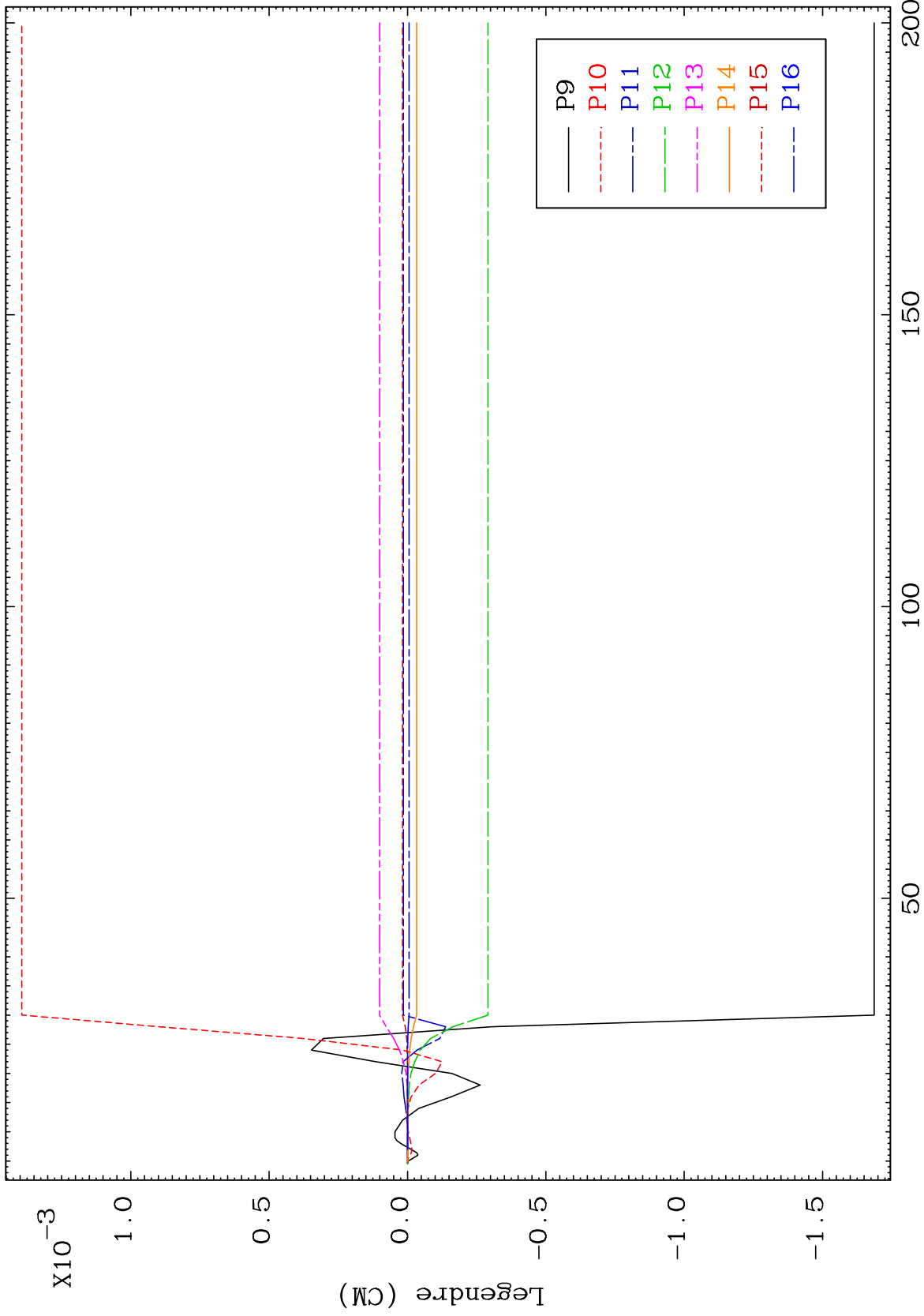




MAT 6989

4.474 MeV (n, n') Level
Legendre Coefficients

70-Yb-156



52

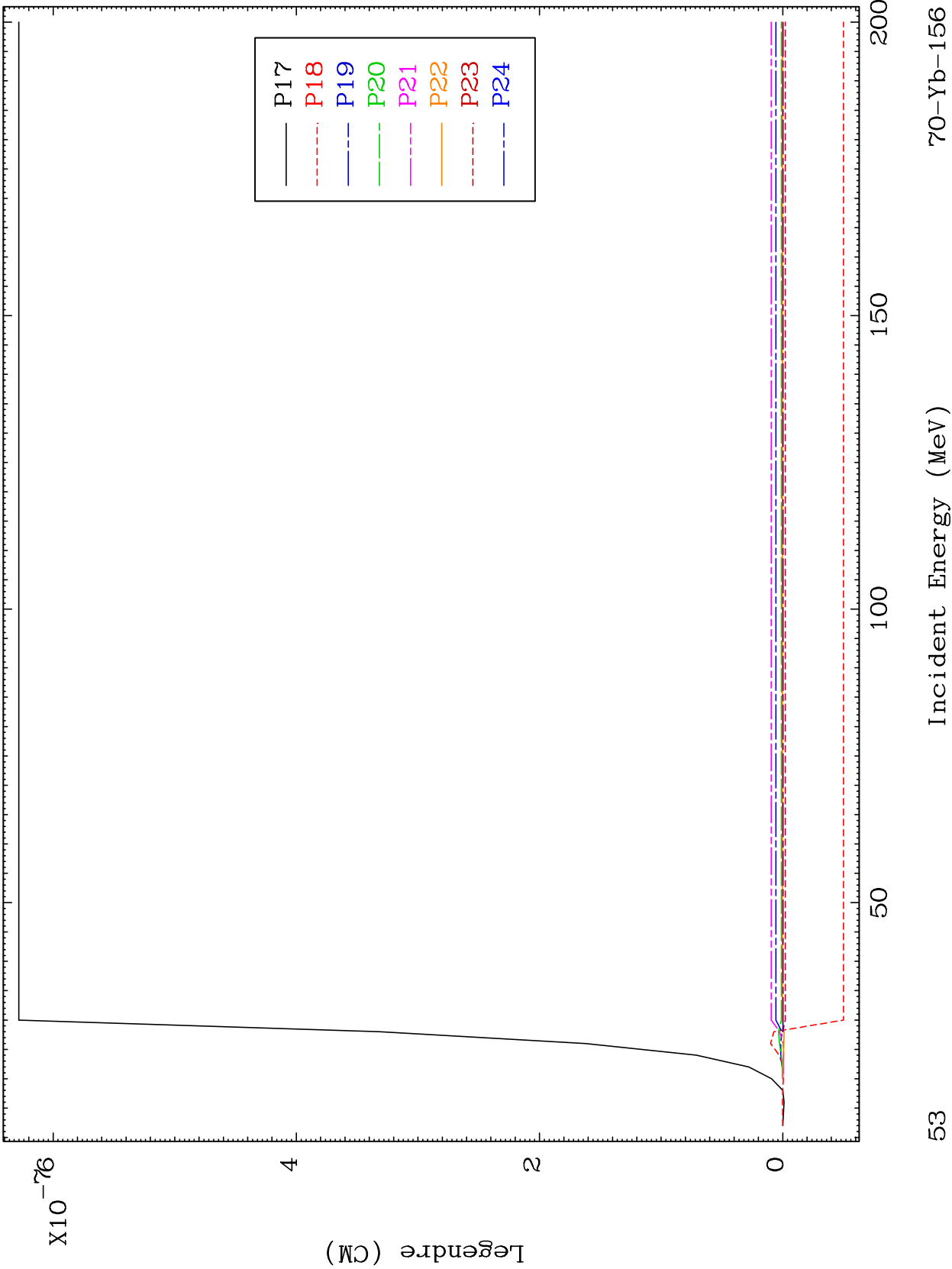
Incident Energy (MeV)

70-Yb-156

MAT 6989

4.474 MeV (n,n') Level
Legendre Coefficients

70-Yb-156



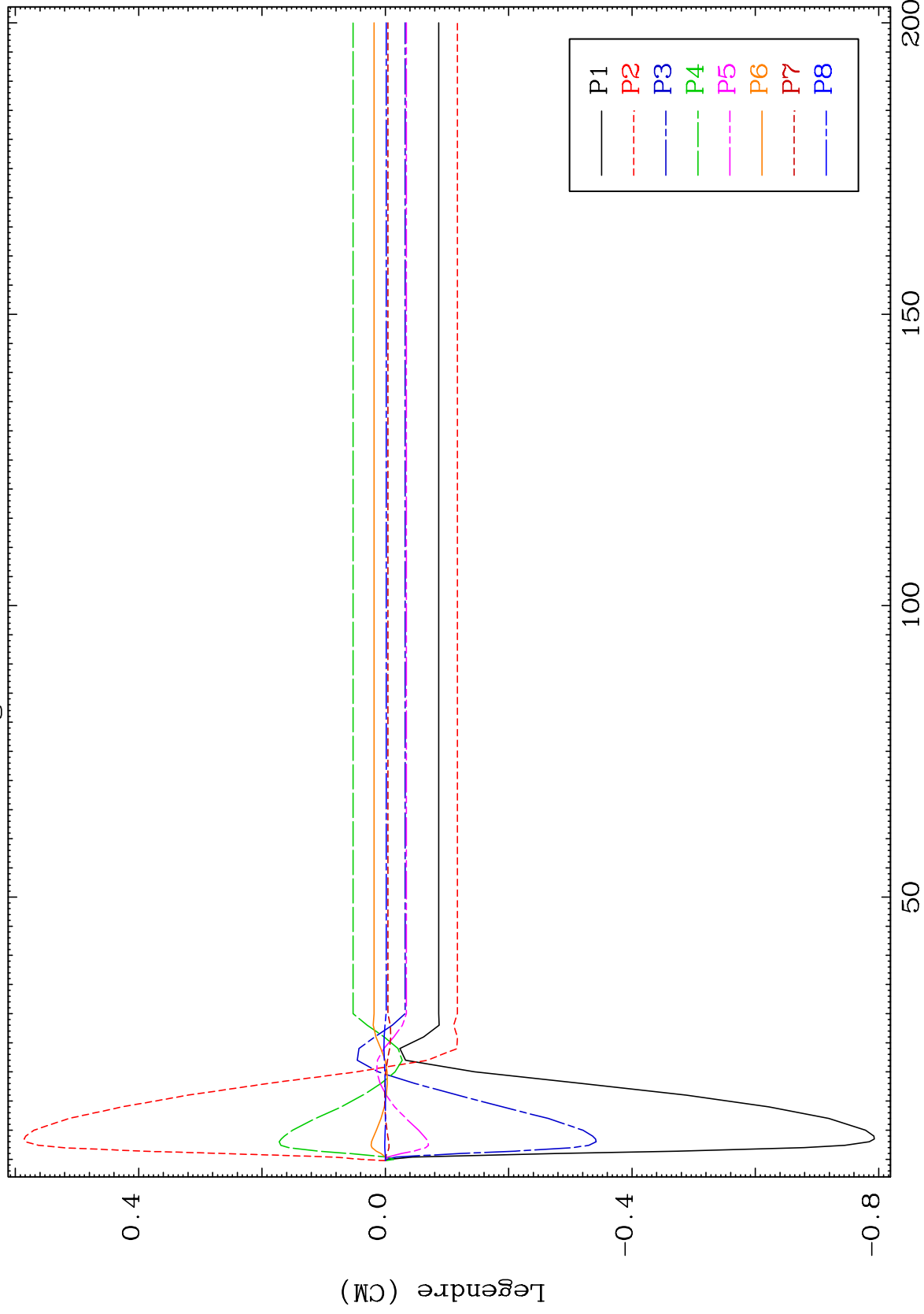
53

70-Yb-156

MAT 6989

4.732 MeV (n,n') Level
Legendre Coefficients

70-Yb-156



54

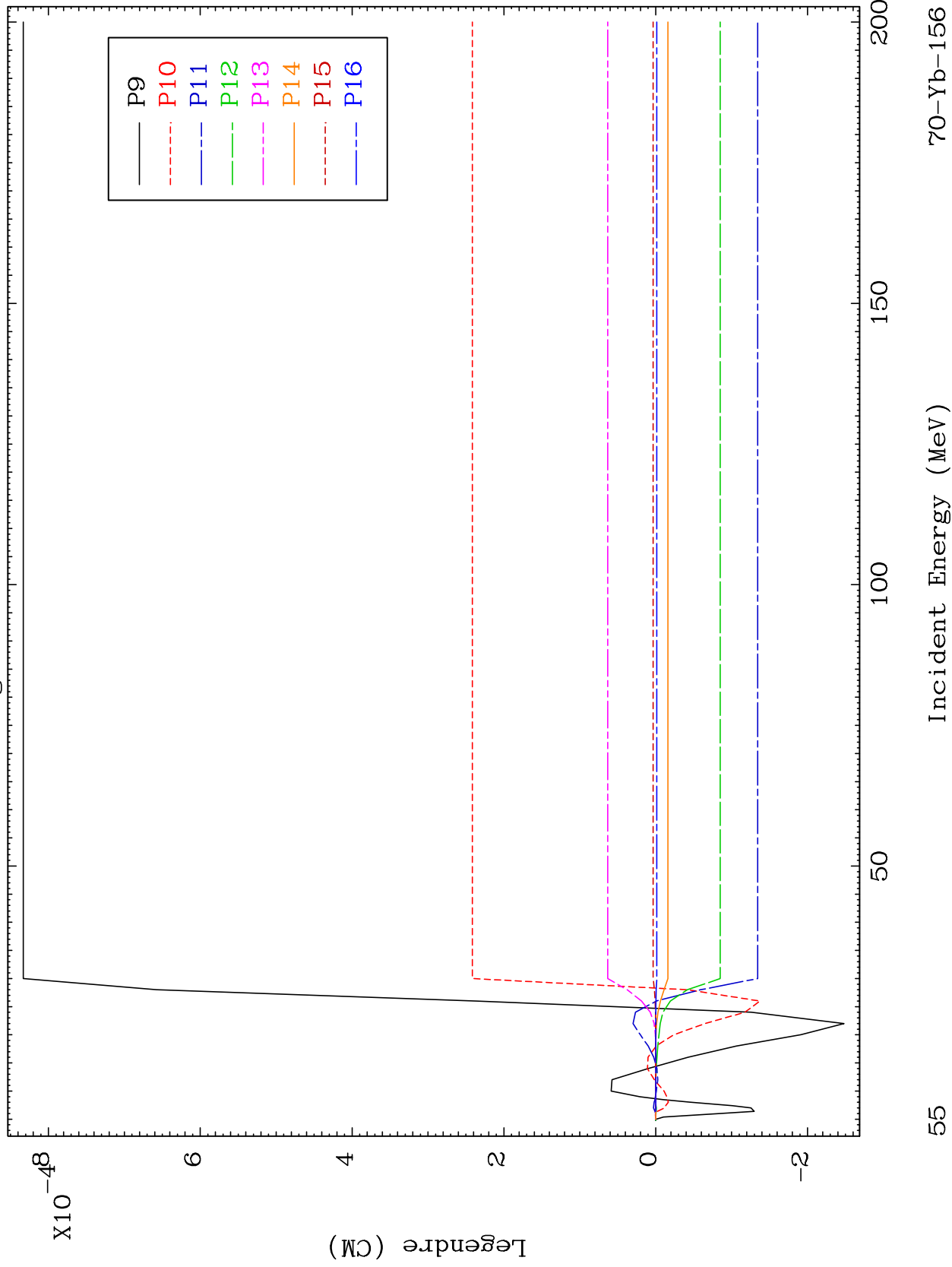
Incident Energy (MeV)

70-Yb-156

MAT 6989

4.732 MeV (n, n') Level
Legendre Coefficients

70-Yb-156



55

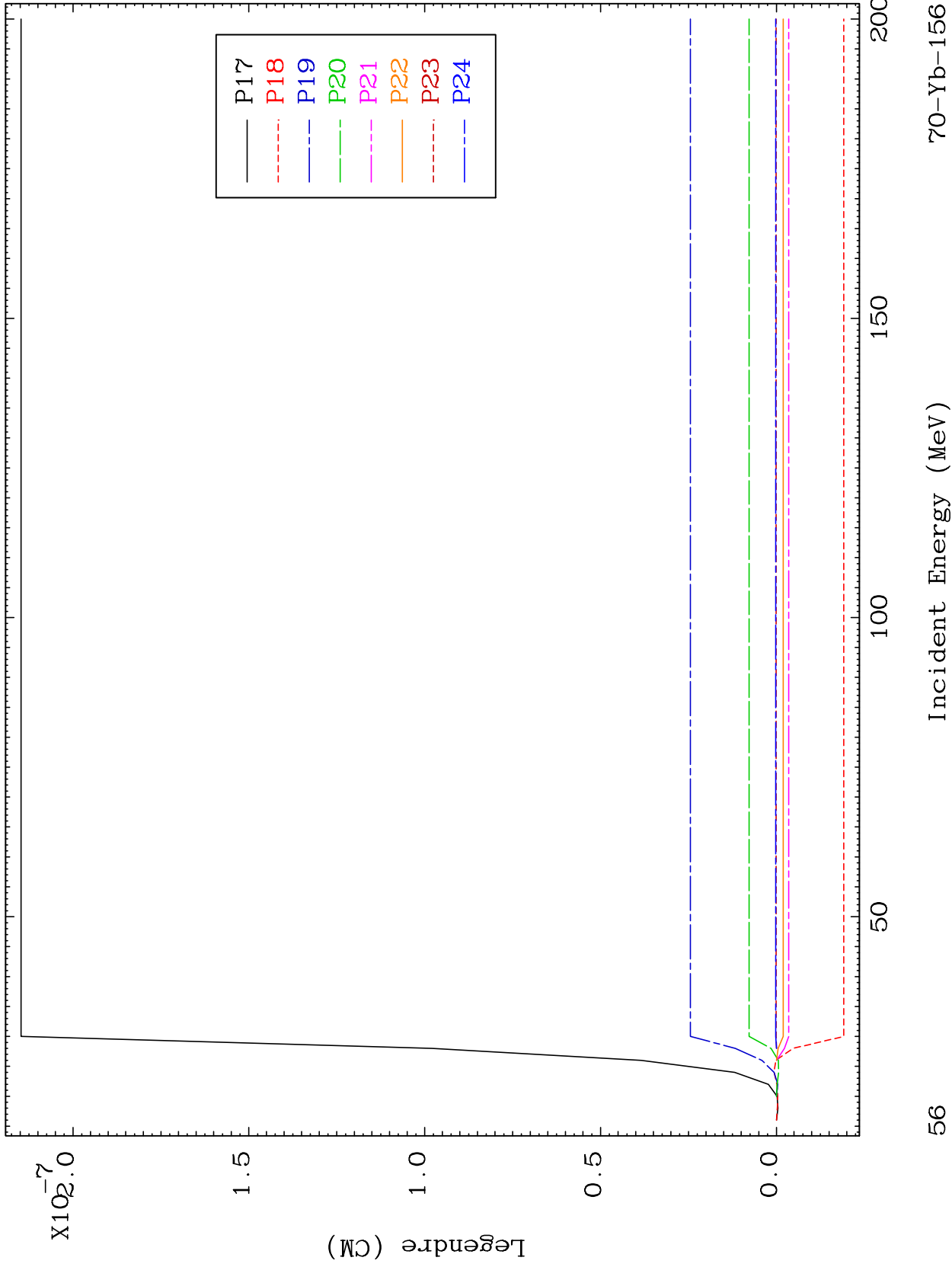
Incident Energy (MeV)

70-Yb-156

MAT 6989

4.732 MeV (n, n') Level
Legendre Coefficients

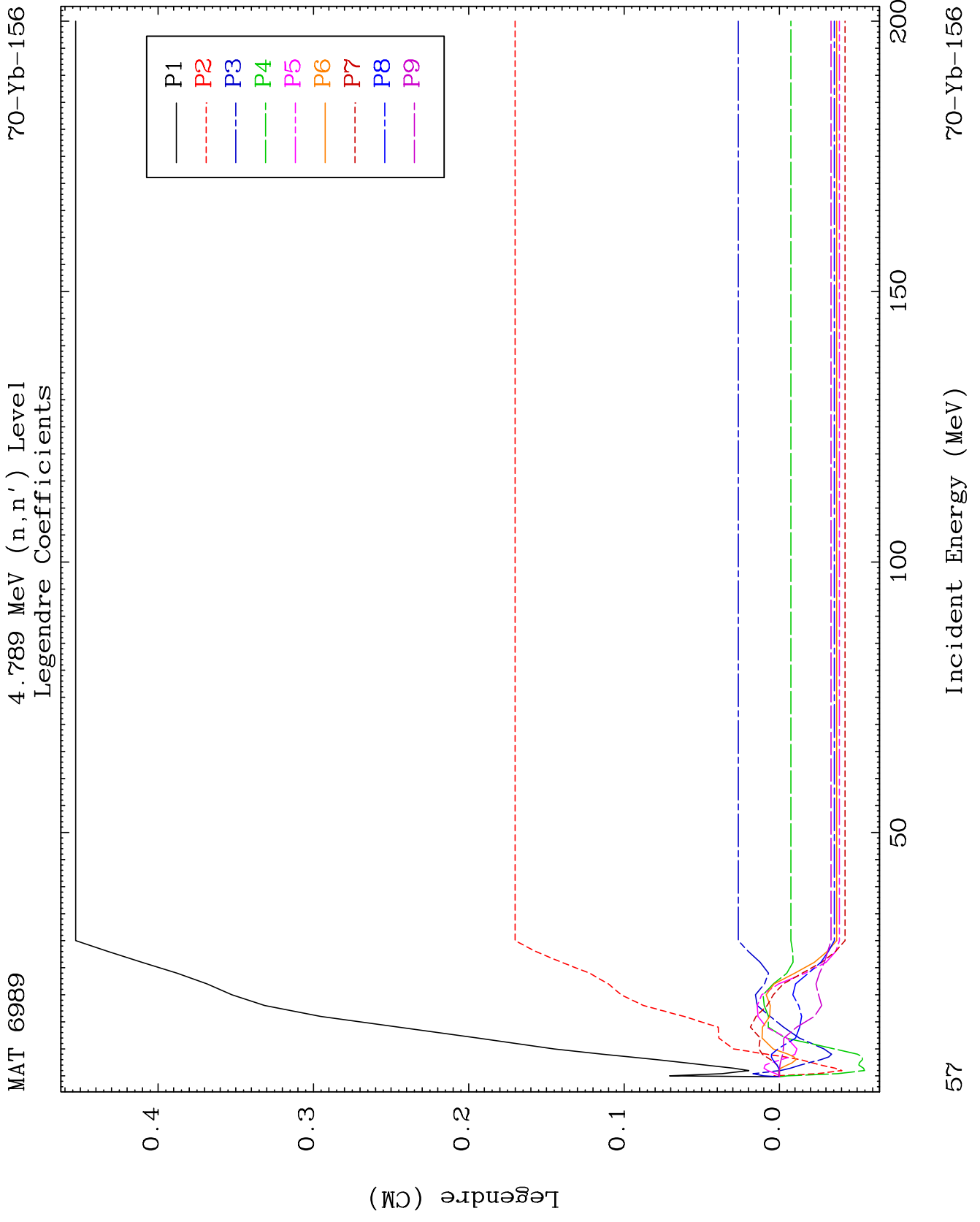
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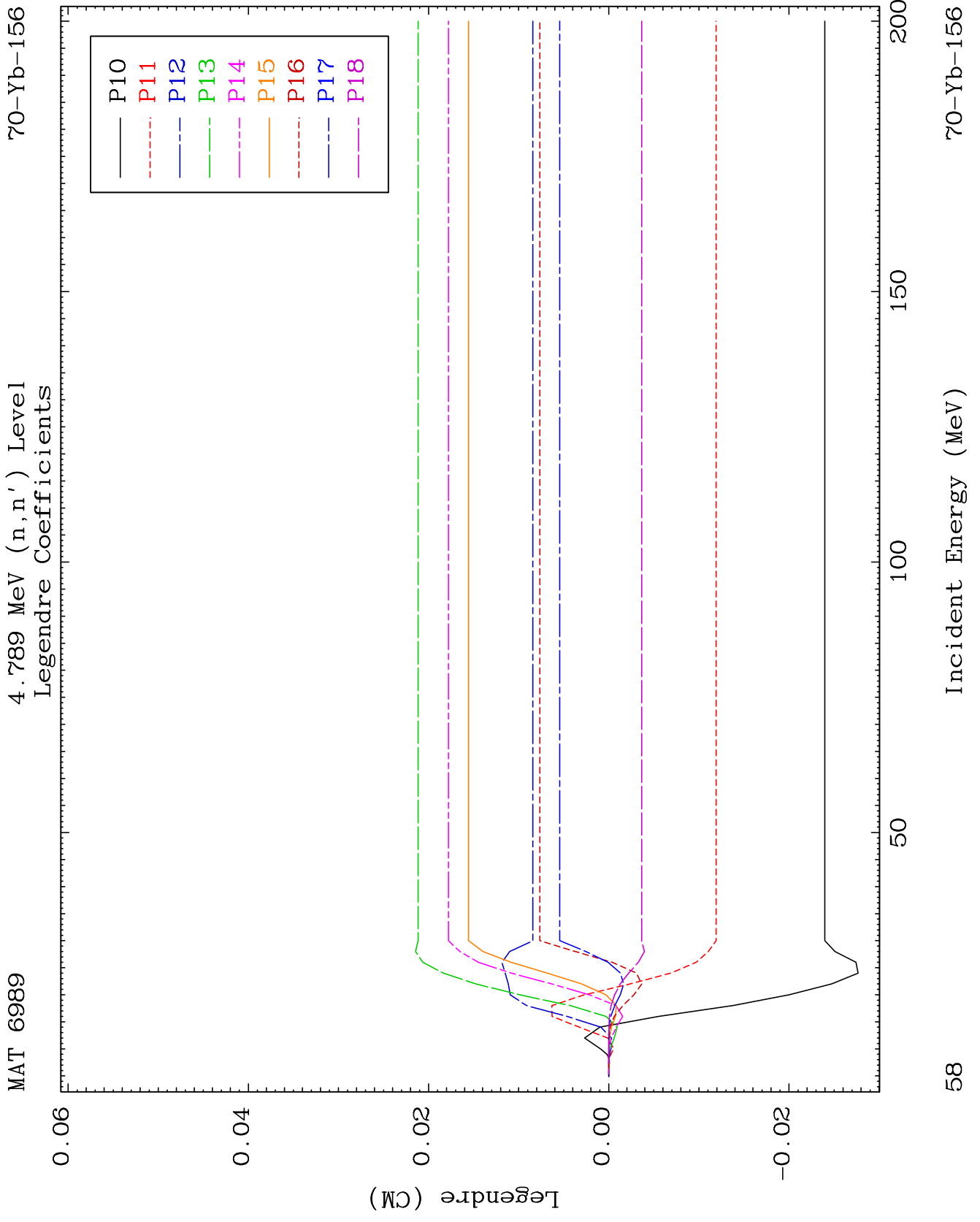


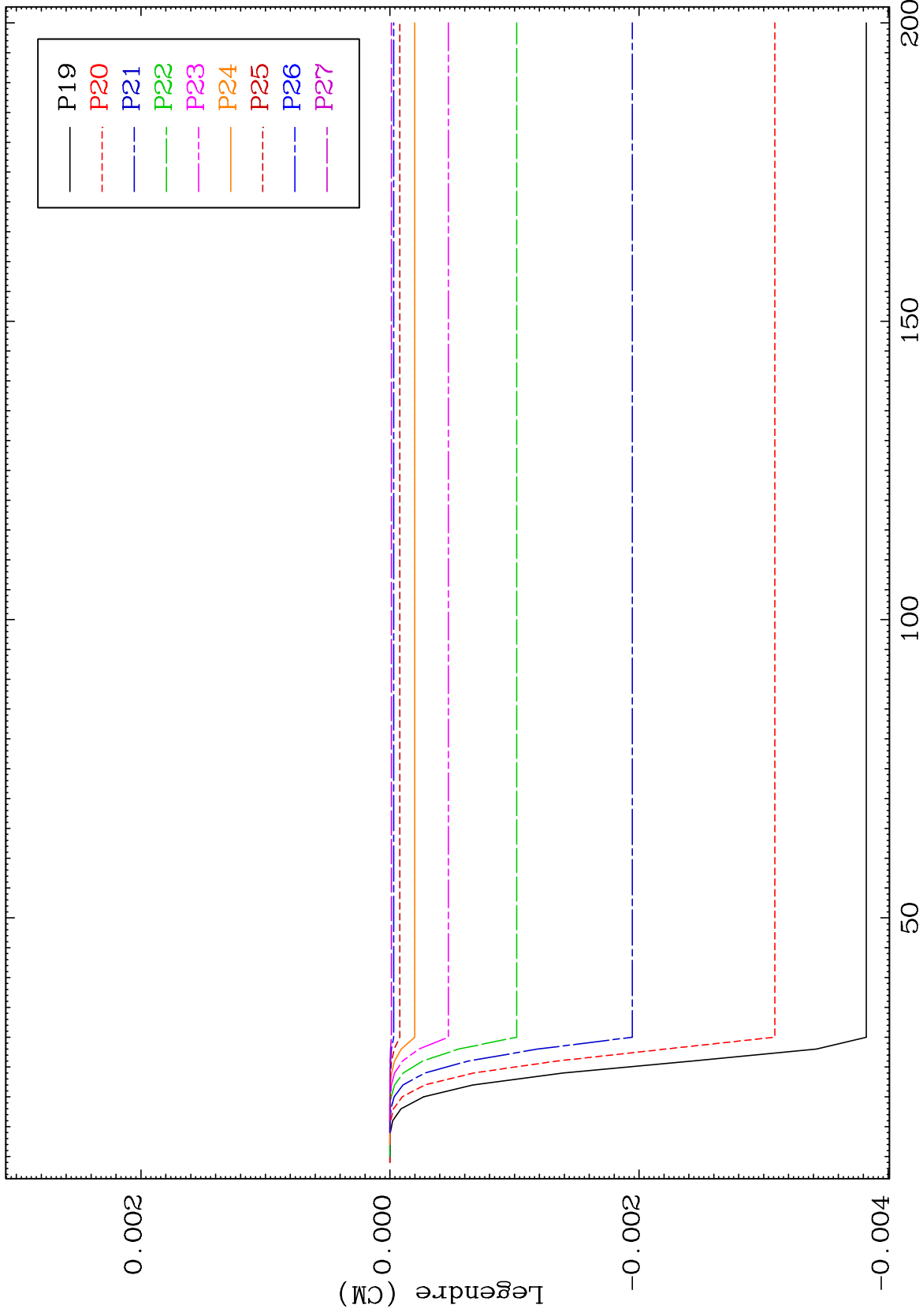
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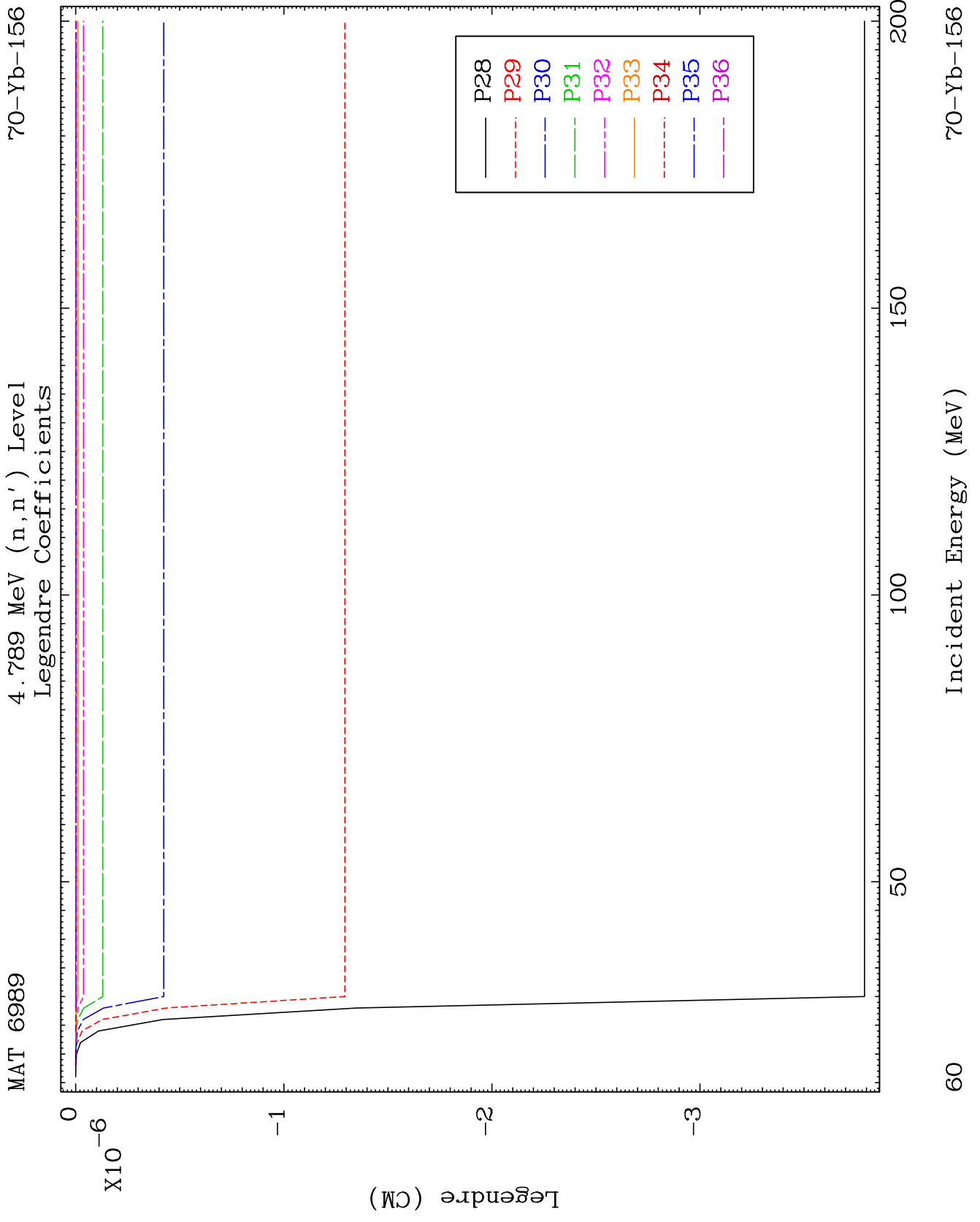
Incident Energy (MeV)

70-Yb-156







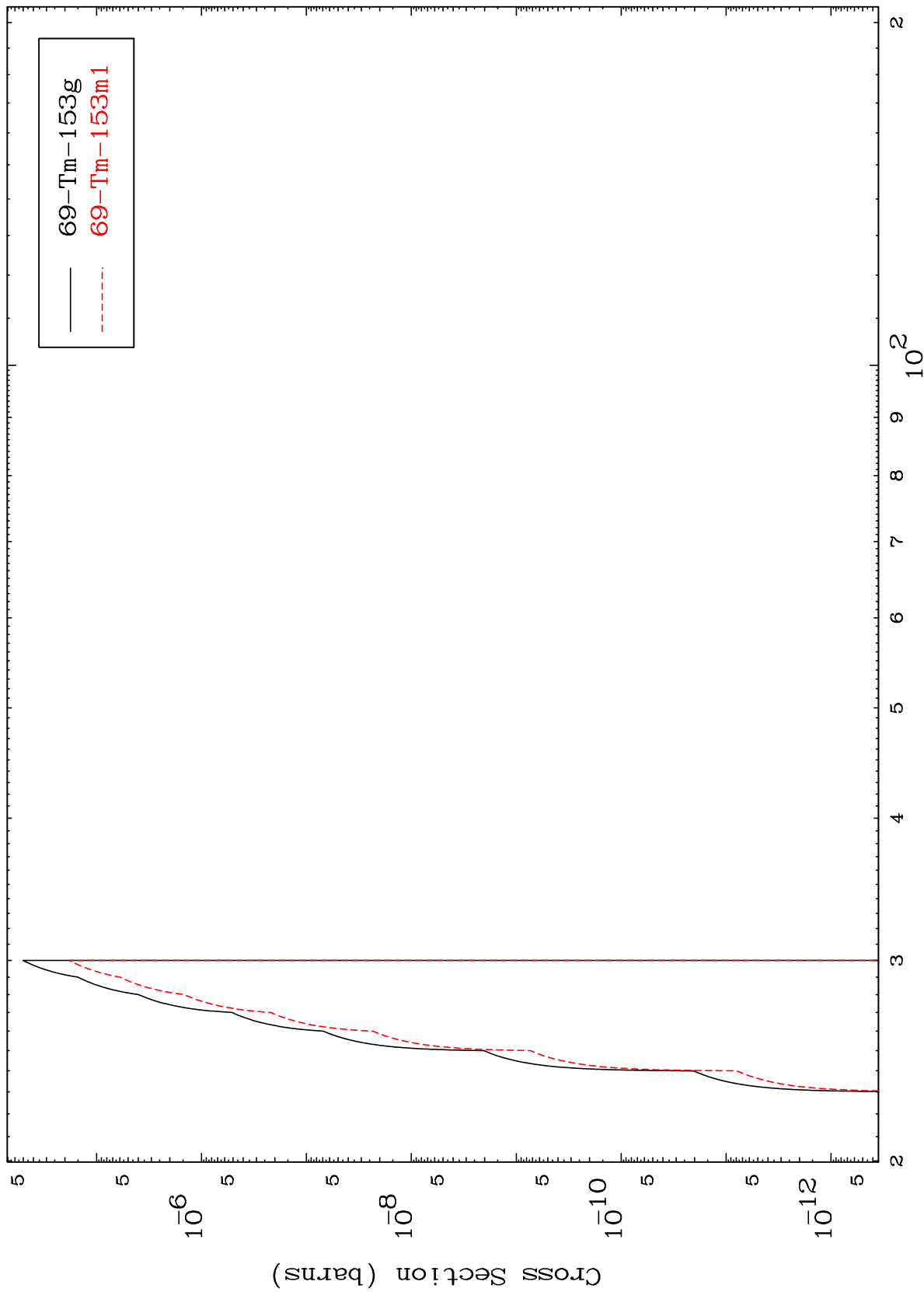


MAT 6989

(n,2n) d

70-Yb-156

Radionuclide Production Cross Section



61

Incident Energy (MeV)

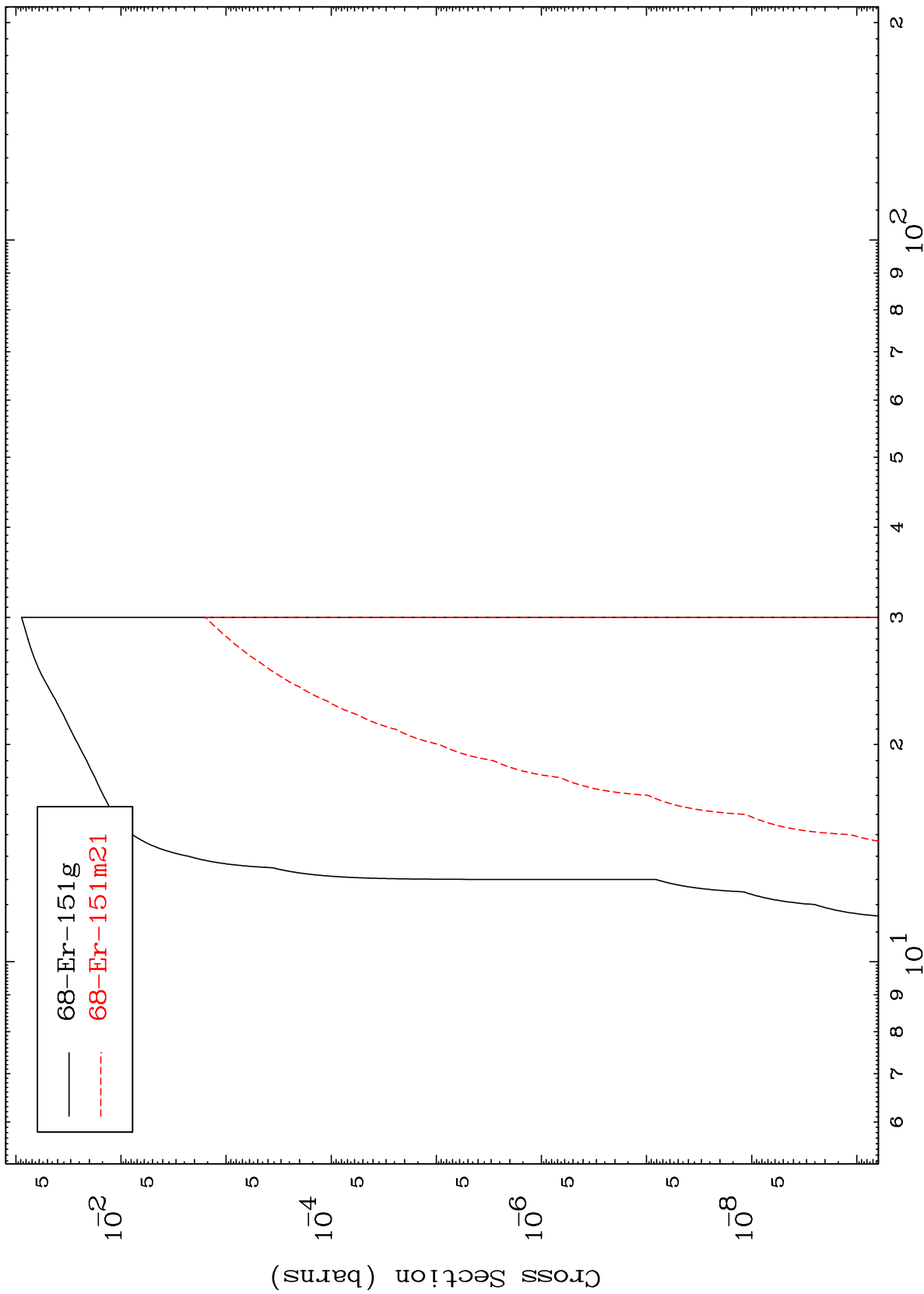
70-Yb-156

MAT 6989

(n,2n) α

70-Yb-156

Radionuclide Production Cross Section



62

Incident Energy (MeV)

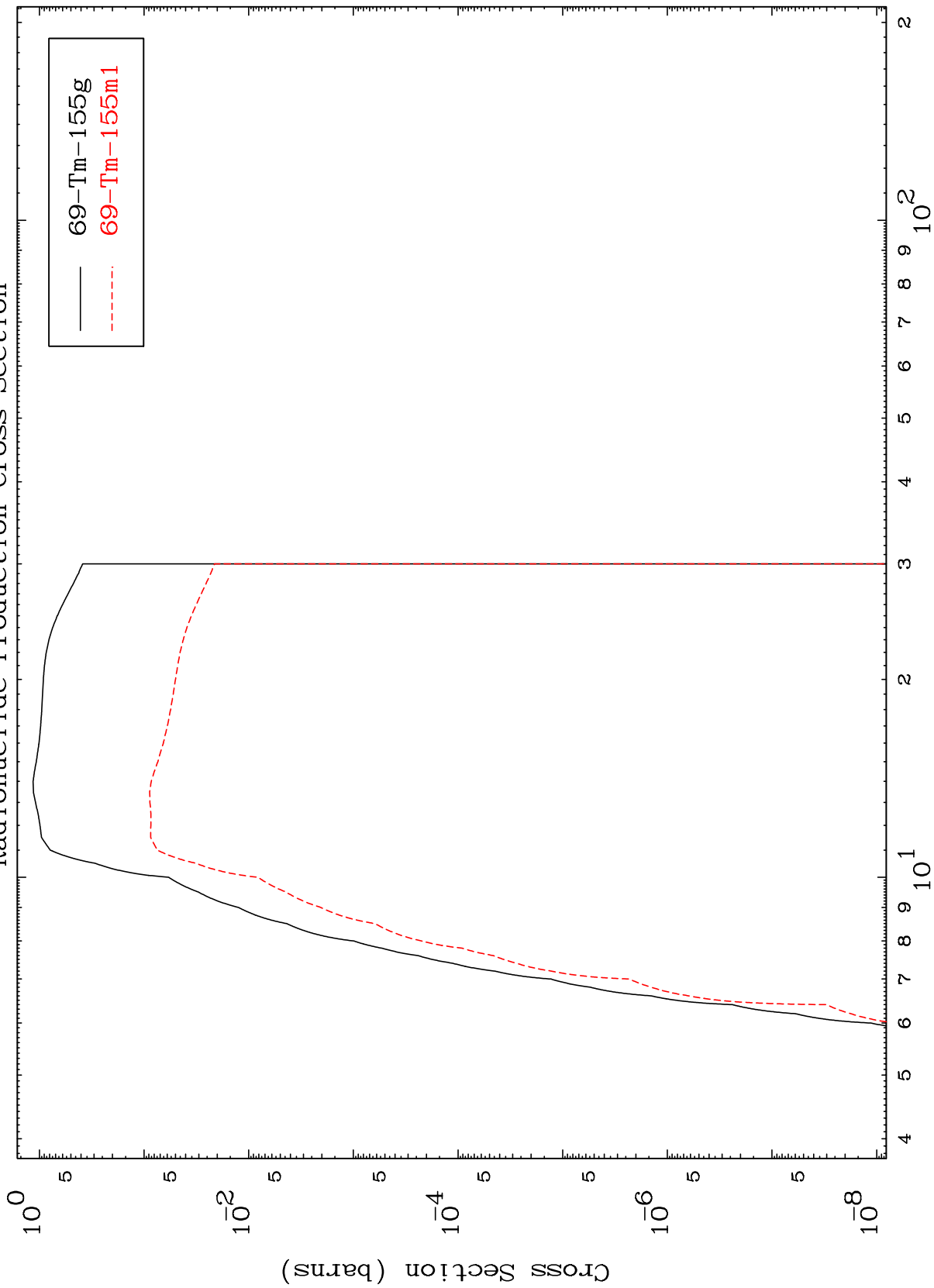
70-Yb-156

MAT 6989

(n,n') p

70-Yb-156

Radionuclide Production Cross Section



63

Incident Energy (MeV)

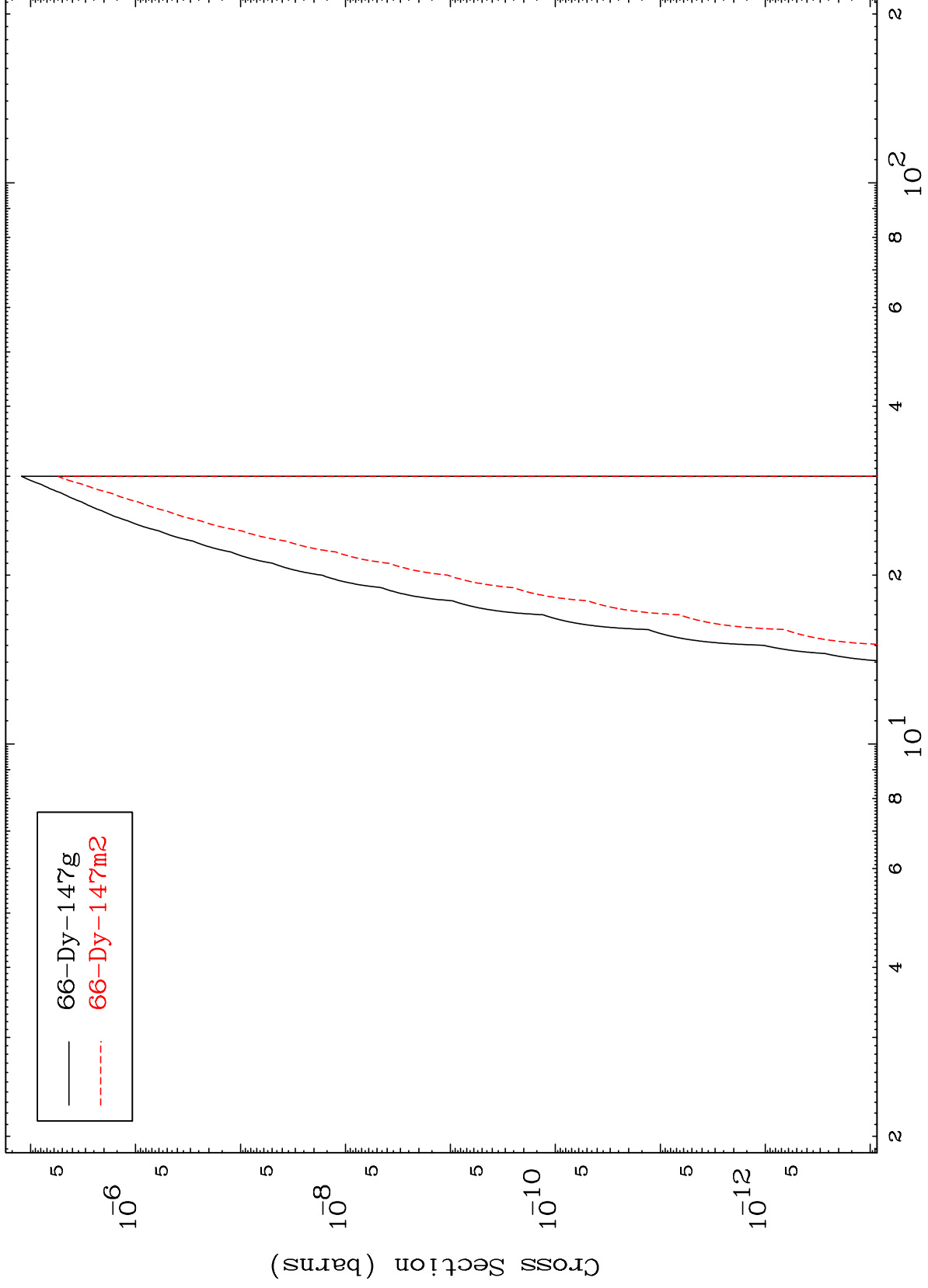
70-Yb-156

MAT 6989

(n,2n) 2α

70-Yb-156

Radionuclide Production Cross Section



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

64

Incident Energy (MeV)

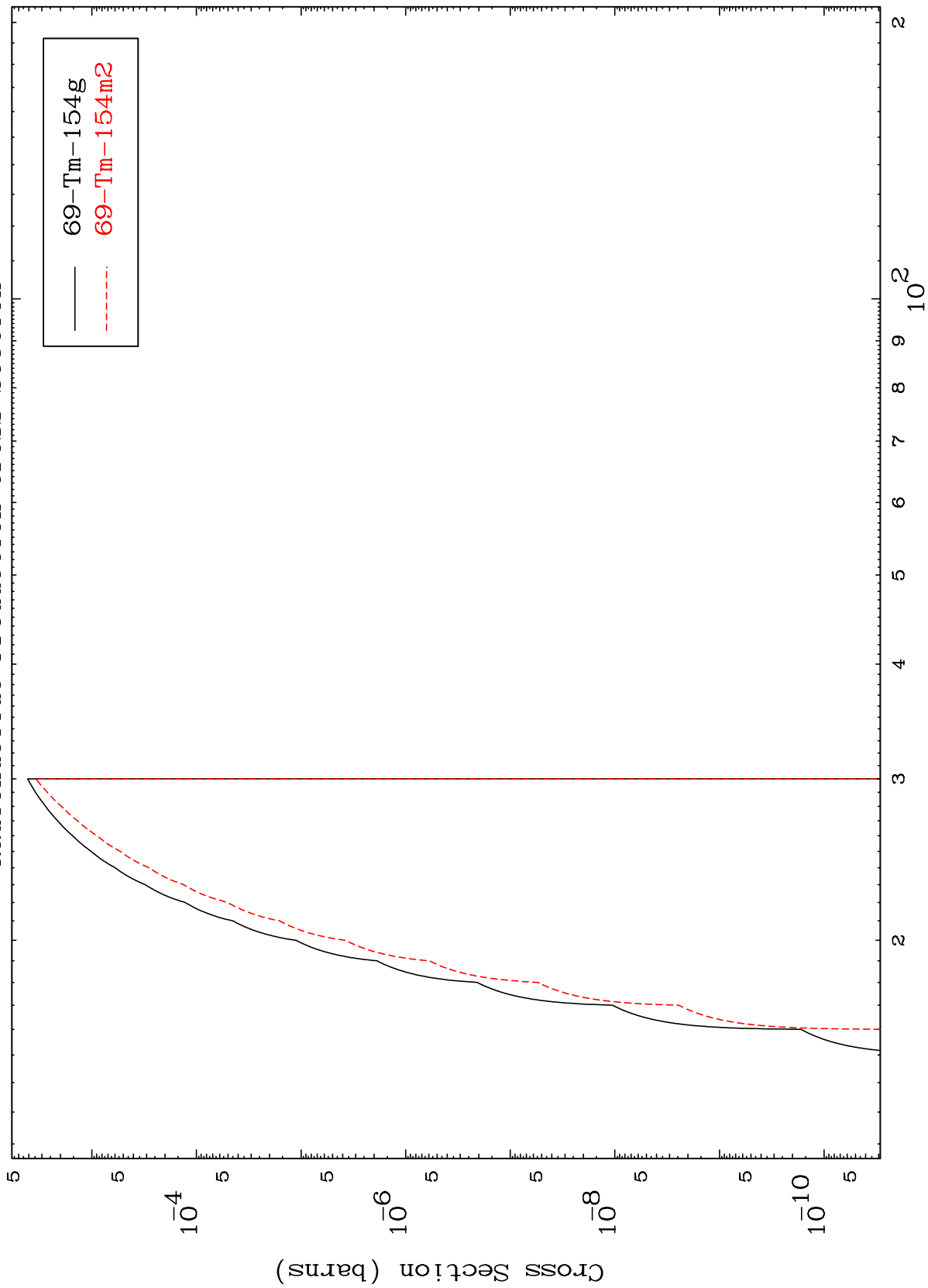
70-Yb-156

MAT 6989

(n,n') d

70-Yb-156

Radionuclide Production Cross Section



65

Incident Energy (MeV)

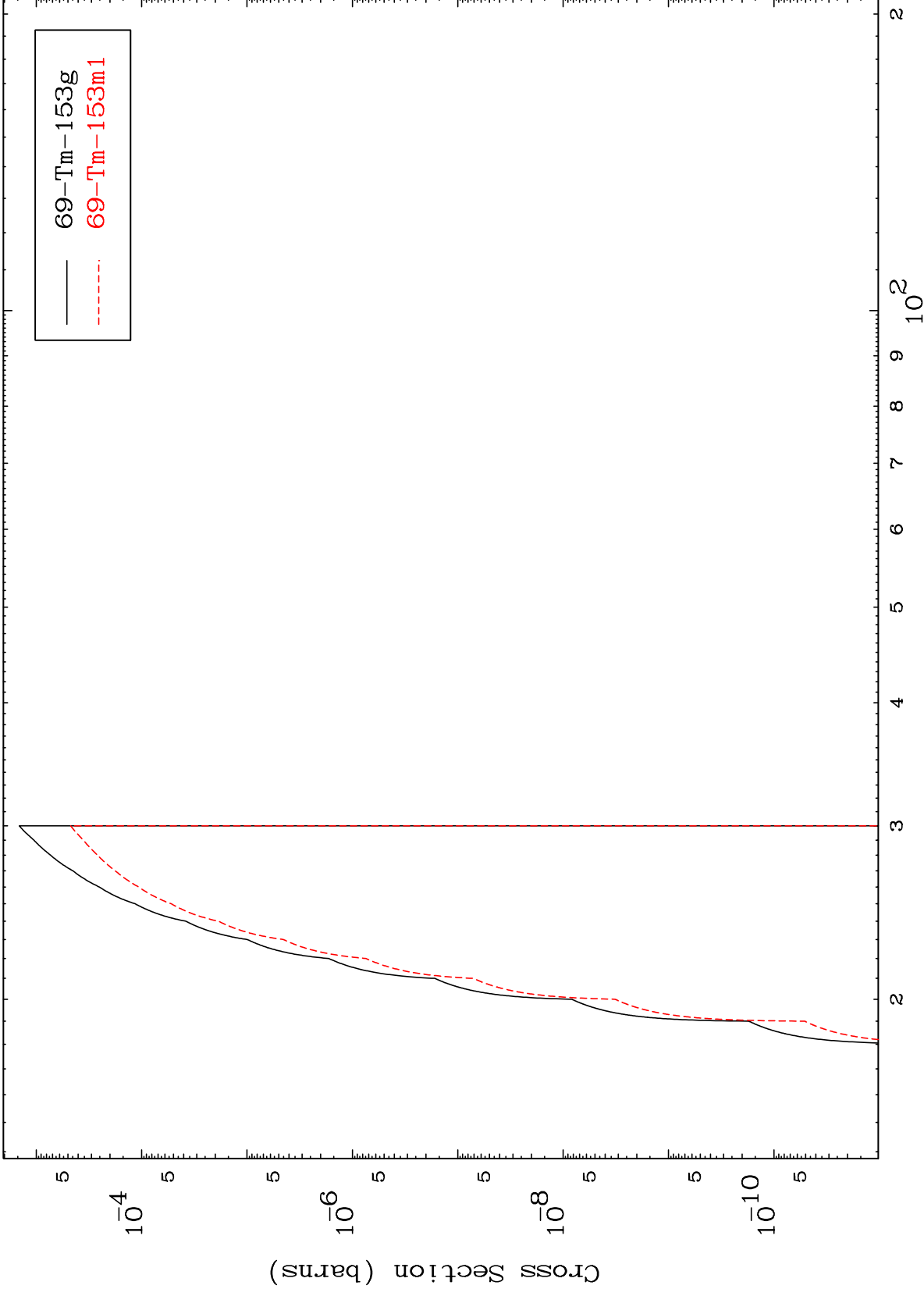
70-Yb-156

MAT 6989

(n,n') t

70-Yb-156

Radionuclide Production Cross Section



66

Incident Energy (MeV)

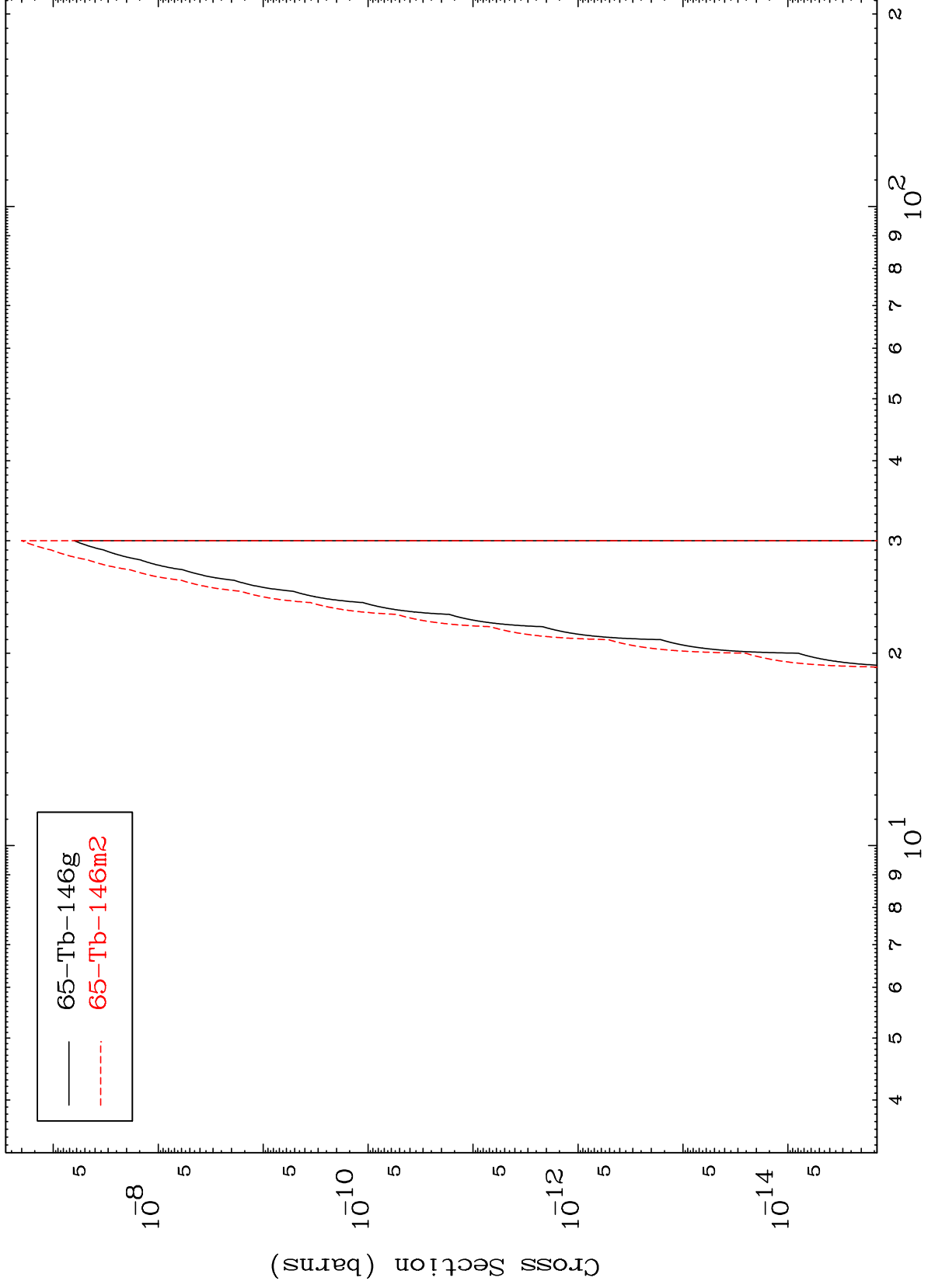
70-Yb-156

MAT 6989

(n,n') d,2α

70-Yb-156

Radionuclide Production Cross Section



67

Incident Energy (MeV)

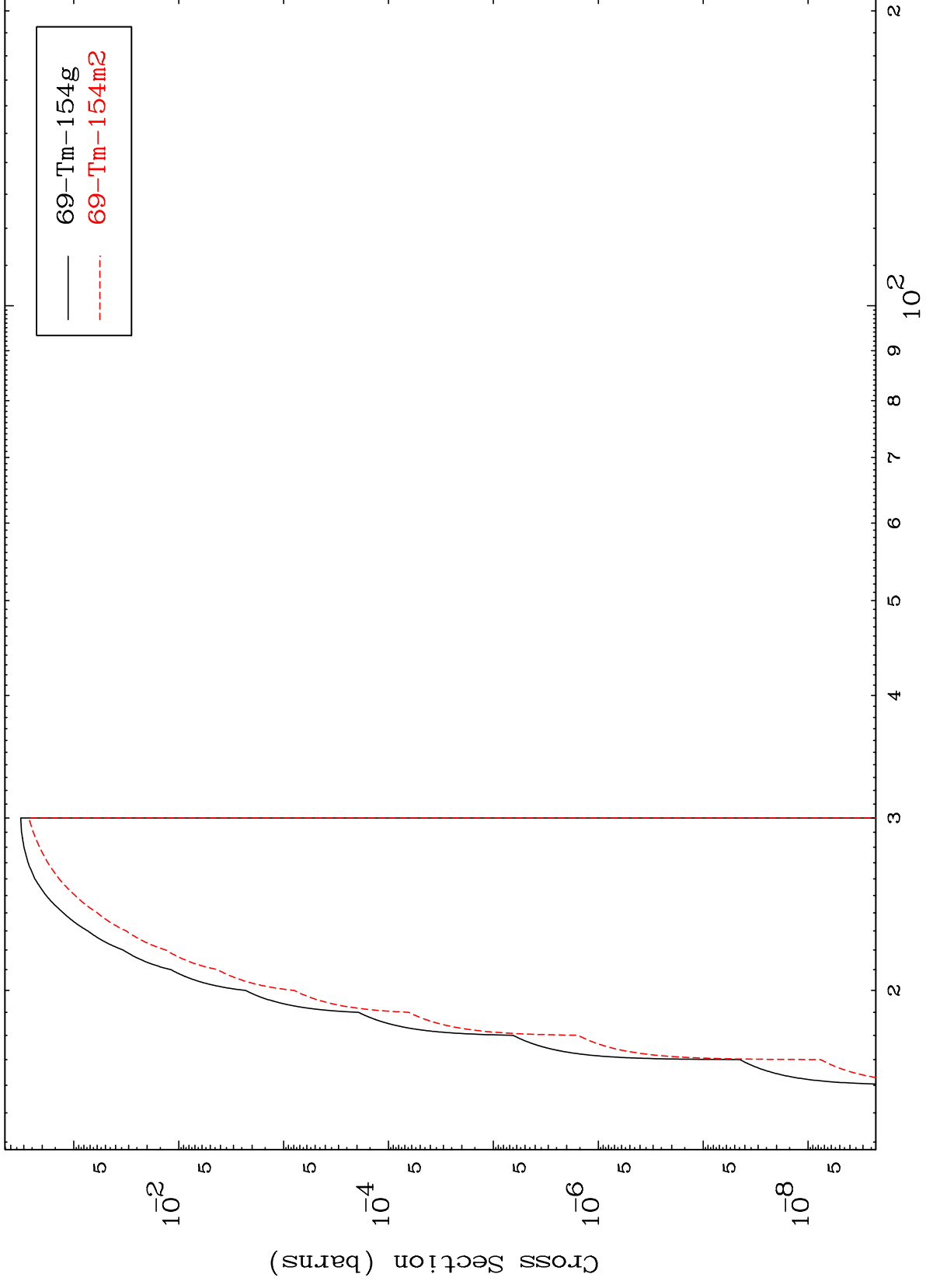
70-Yb-156

MAT 6989

(n,2n) p

70-Yb-156

Radionuclide Production Cross Section



68

Incident Energy (MeV)

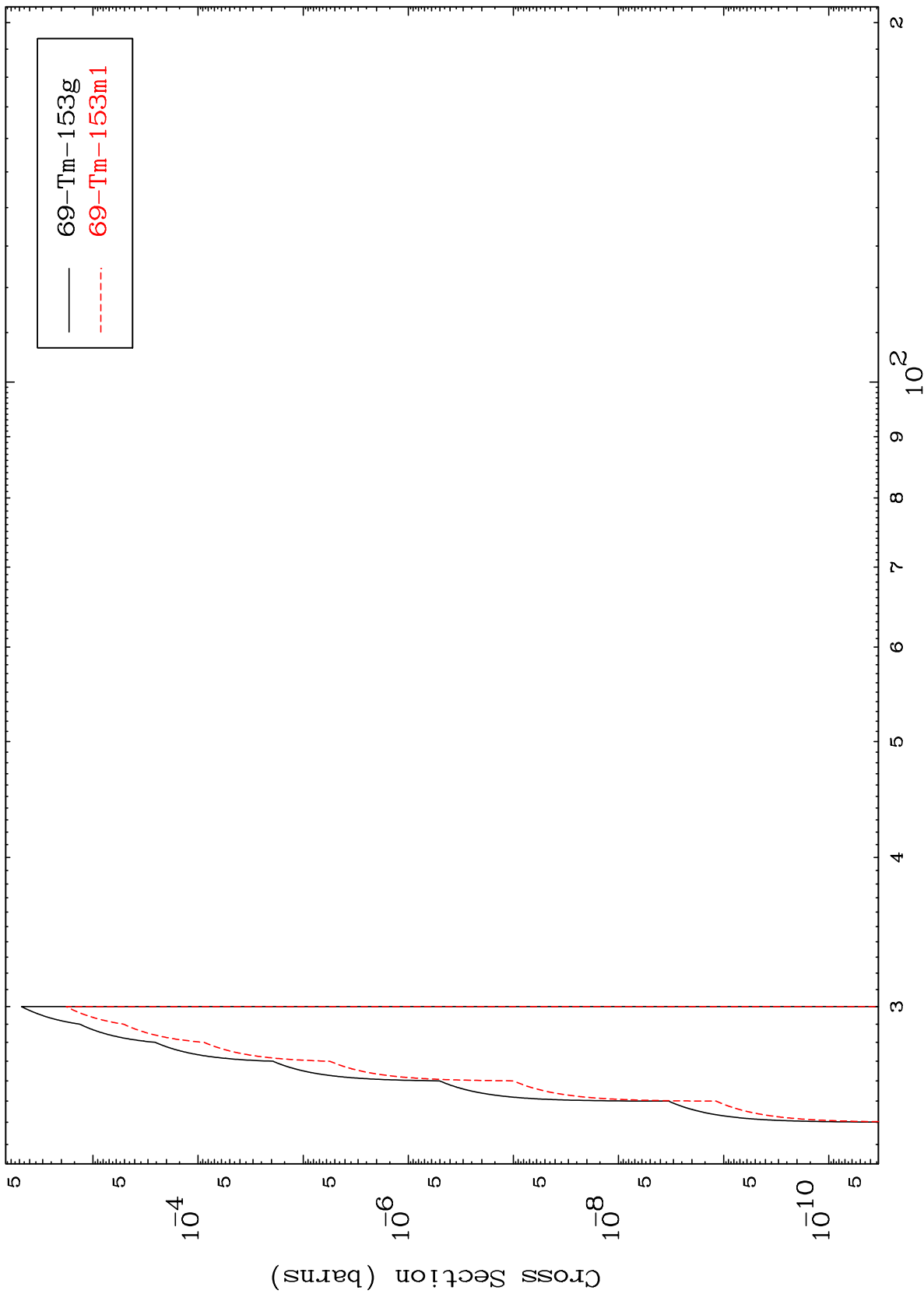
70-Yb-156

MAT 6989

(n,3n) p

70-Yb-156

Radionuclide Production Cross Section



69

Incident Energy (MeV)

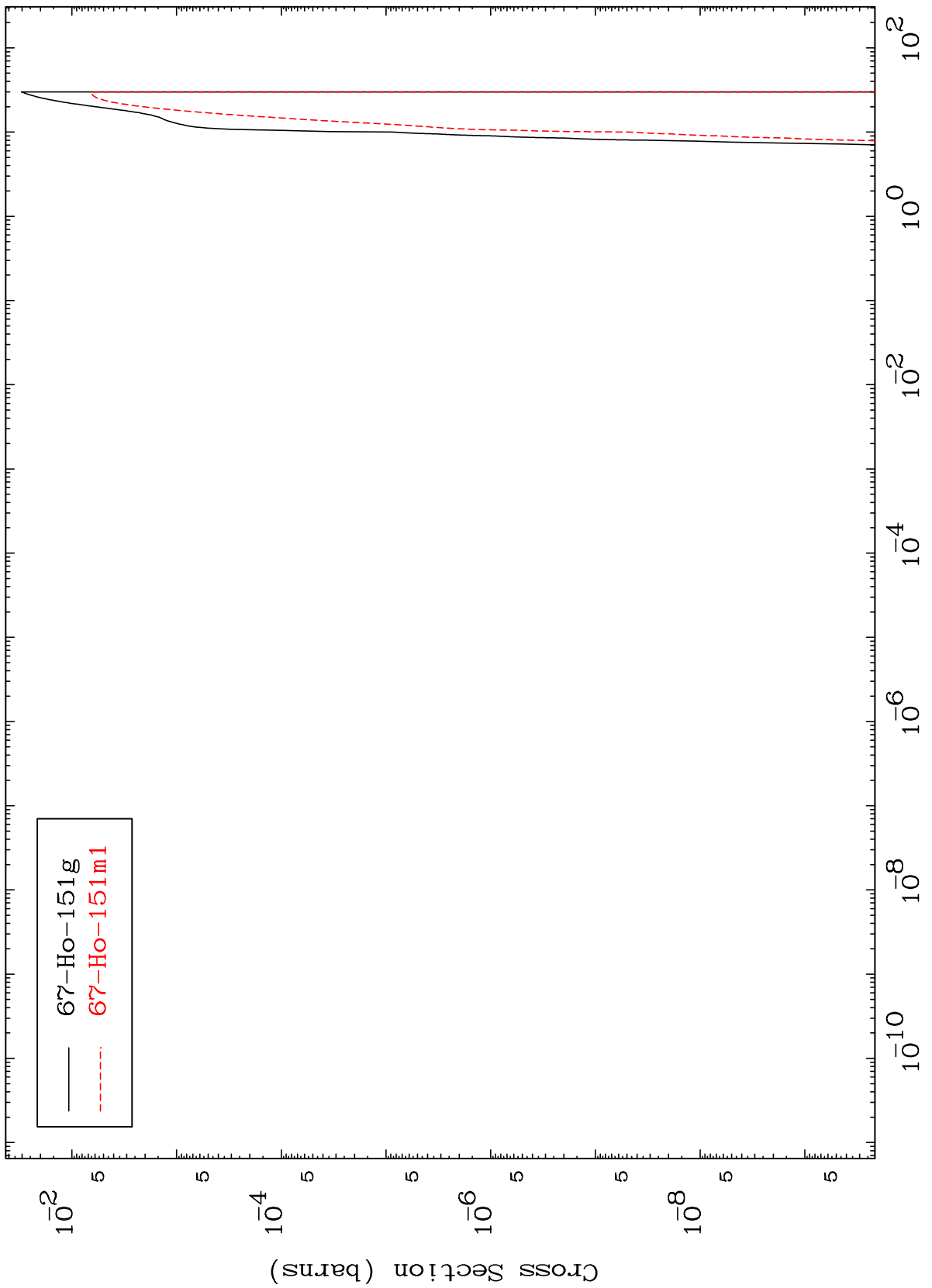
70-Yb-156

MAT 6989

(n,n') p α

70-Yb-156

Radionuclide Production Cross Section



— 67-Ho-151g
- - - 67-Ho-151m1

70

Incident Energy (MeV)

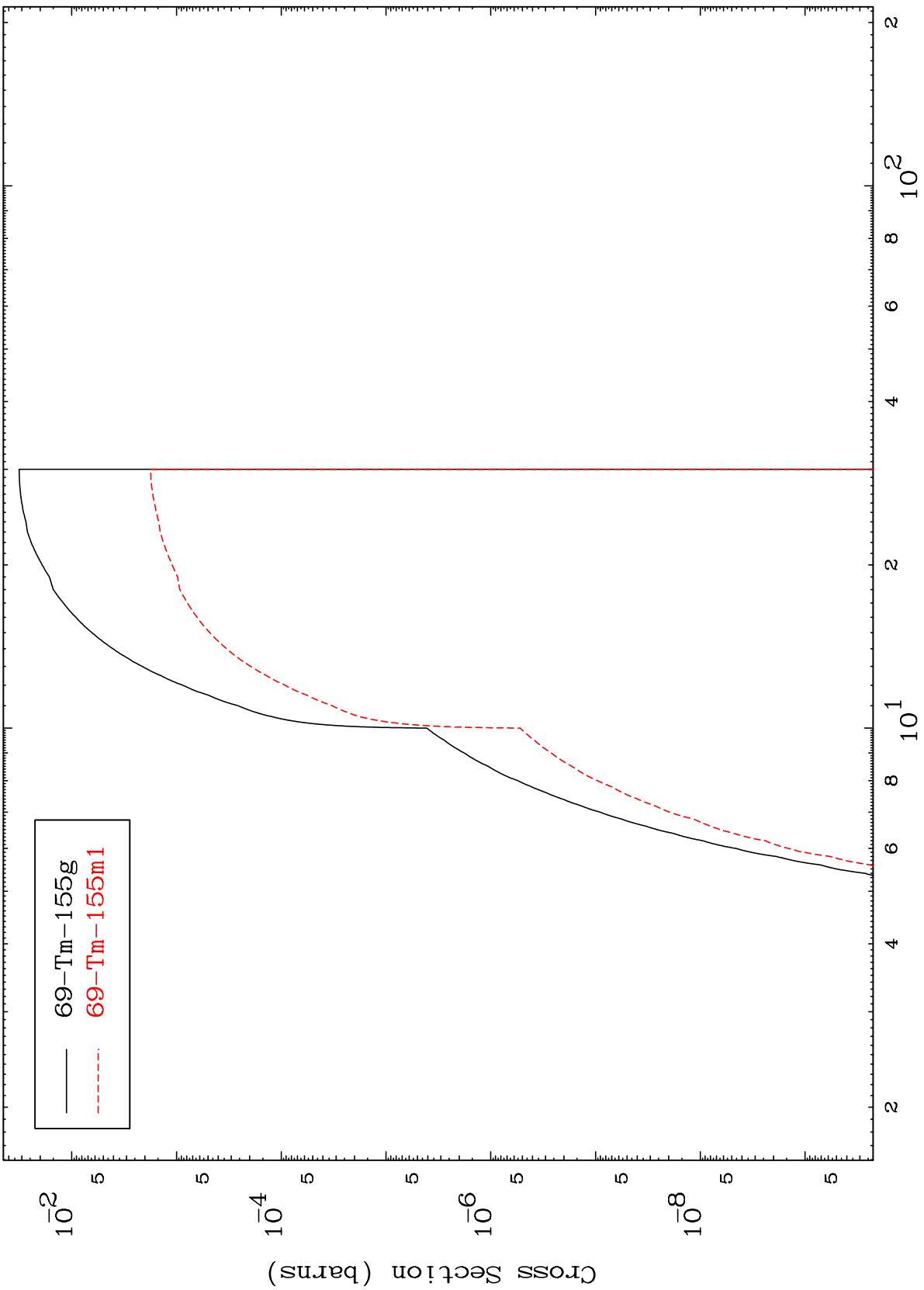
70-Yb-156

MAT 6989

(n,d)

70-Yb-156

Radionuclide Production Cross Section



— 69-Tm-155g
- - - 69-Tm-155m1

71

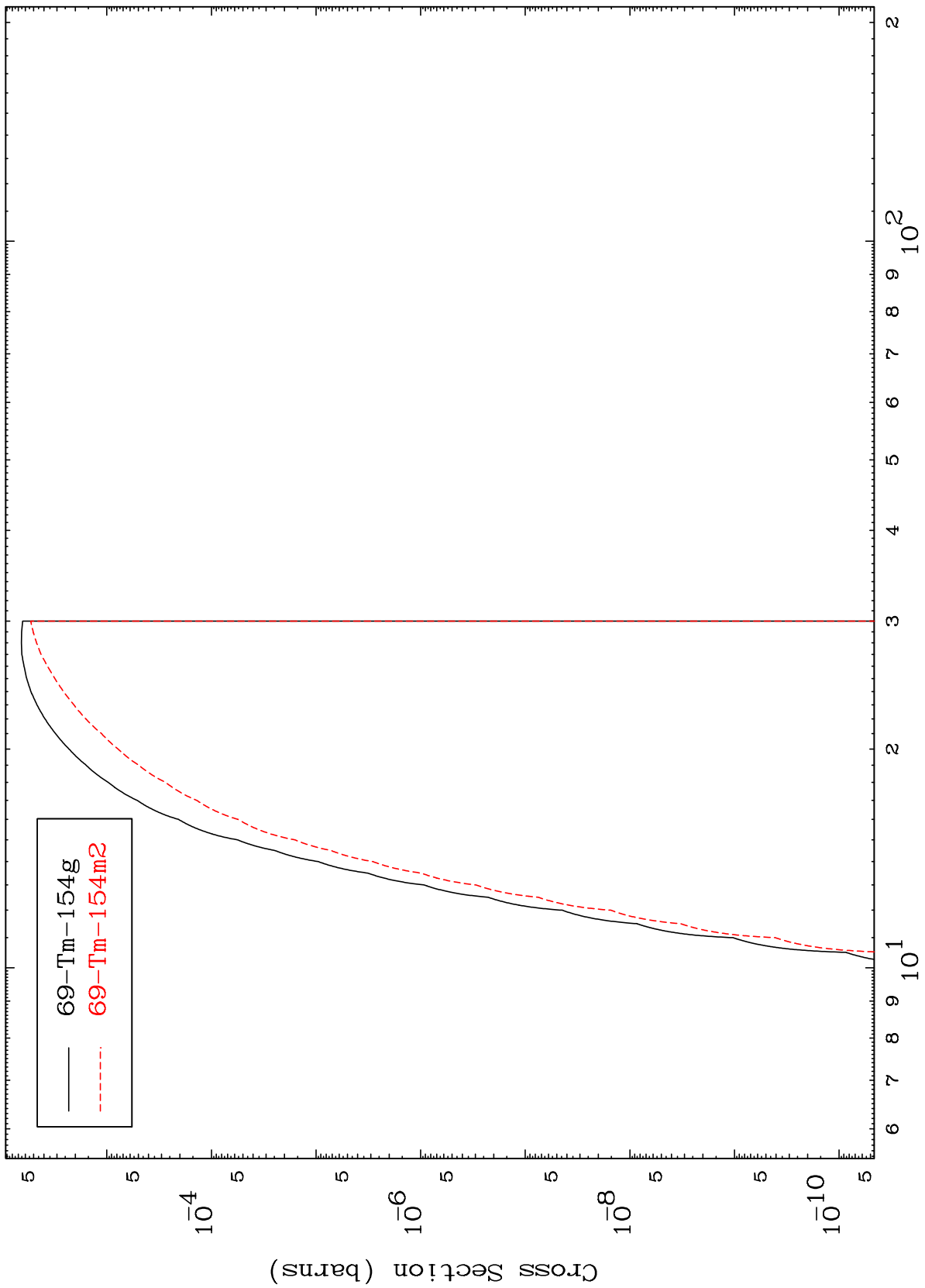
Incident Energy (MeV)

70-Yb-156

MAT 6989

70-Yb-156

(n, t)
Radionuclide Production Cross Section



72

Incident Energy (MeV)

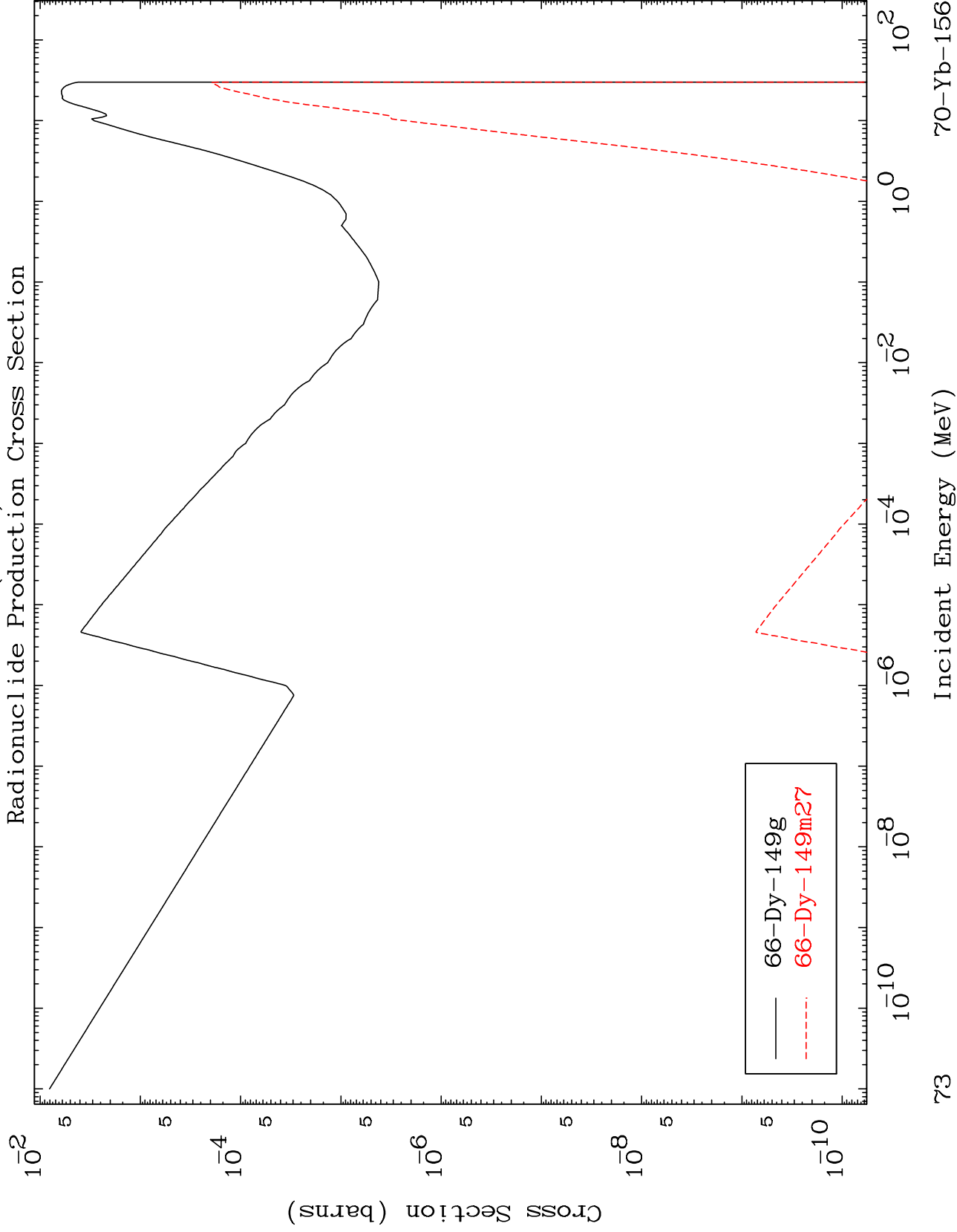
70-Yb-156

MAT 6989

(n,2α)

70-Yb-156

Radionuclide Production Cross Section



73

Incident Energy (MeV)

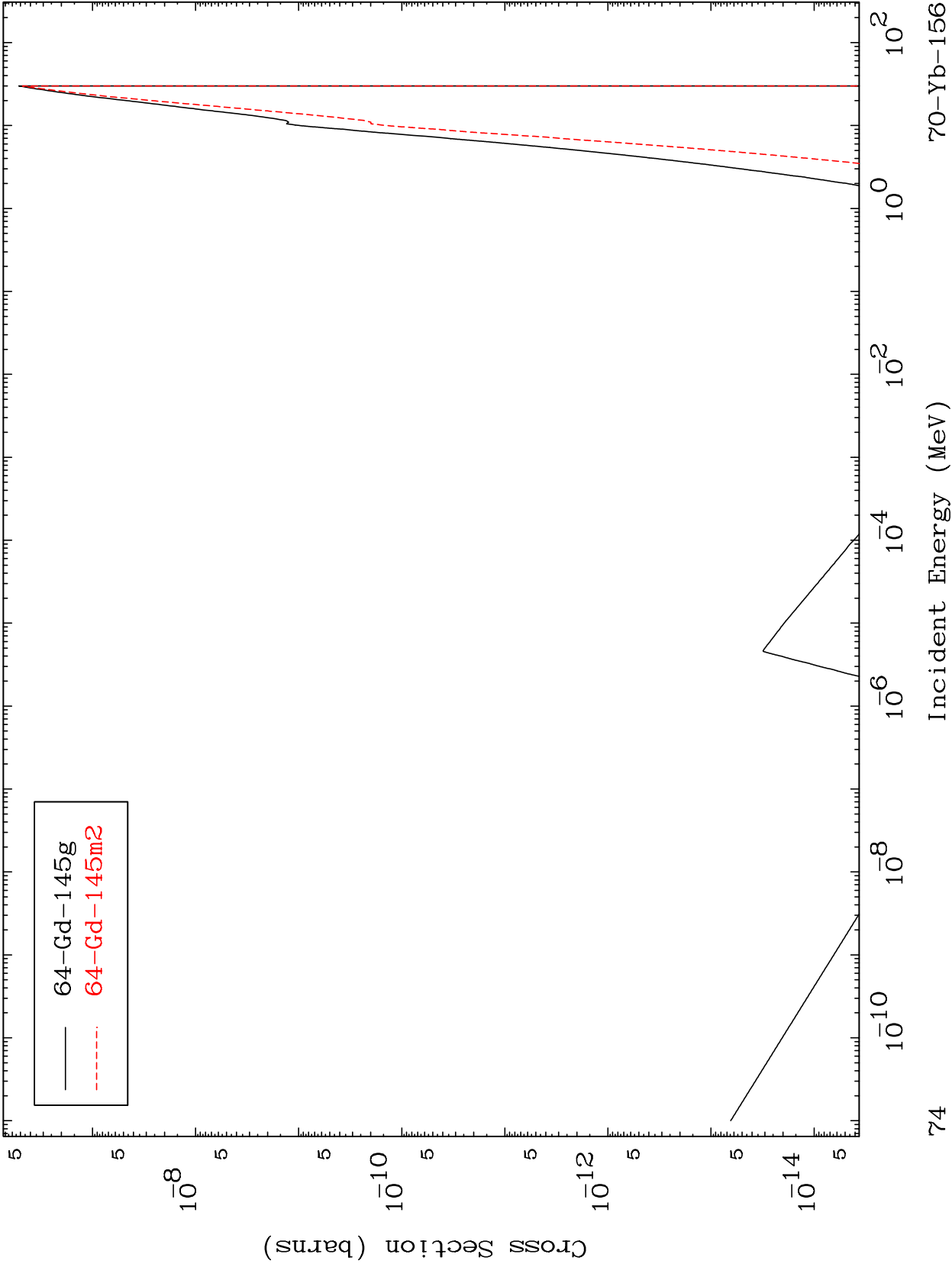
70-Yb-156

MAT 6989

(n, 3α)

70-Yb-156

Radionuclide Production Cross Section

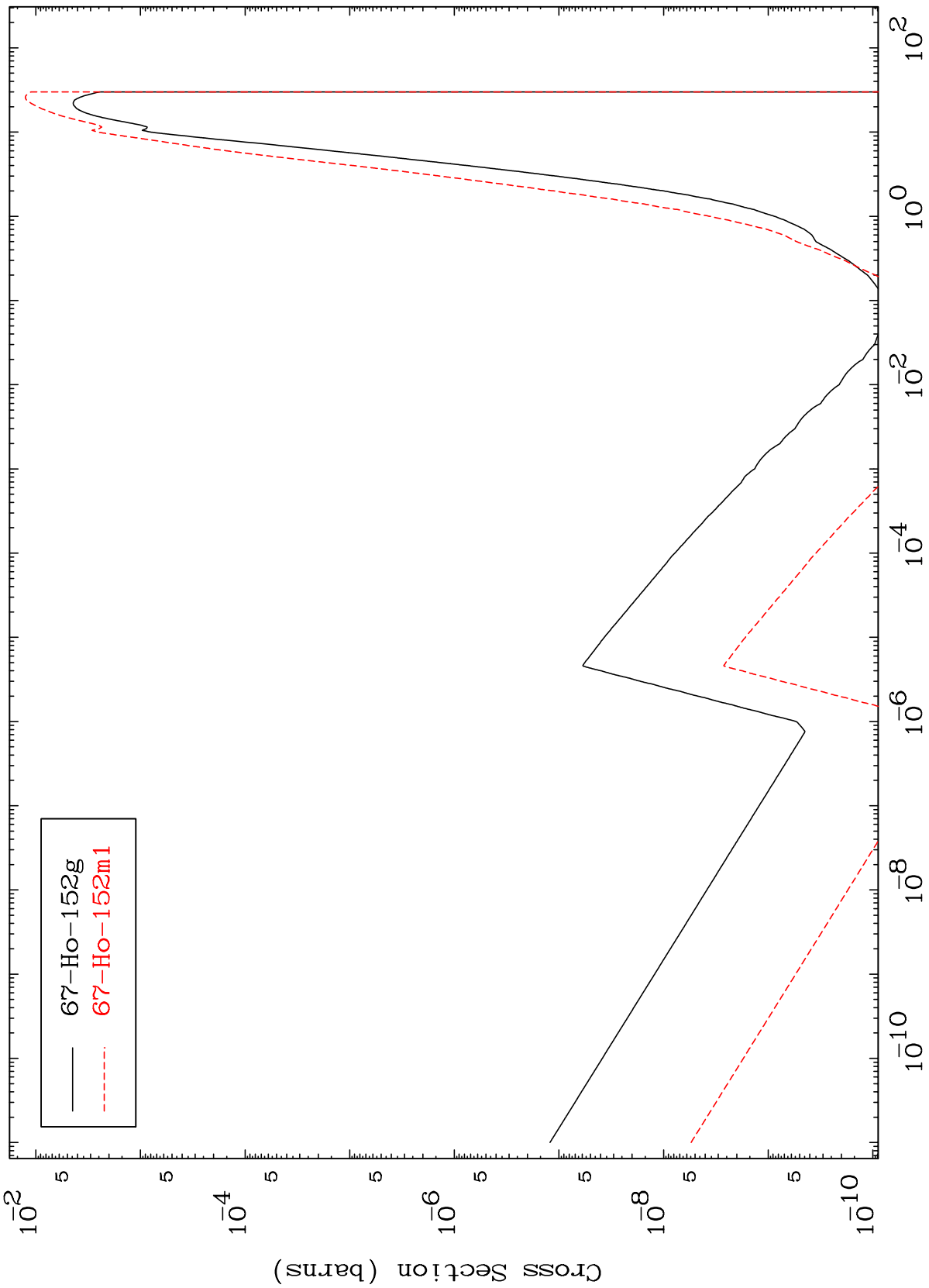


MAT 6989

(n,p) α

70-Yb-156

Radionuclide Production Cross Section



75

Incident Energy (MeV)

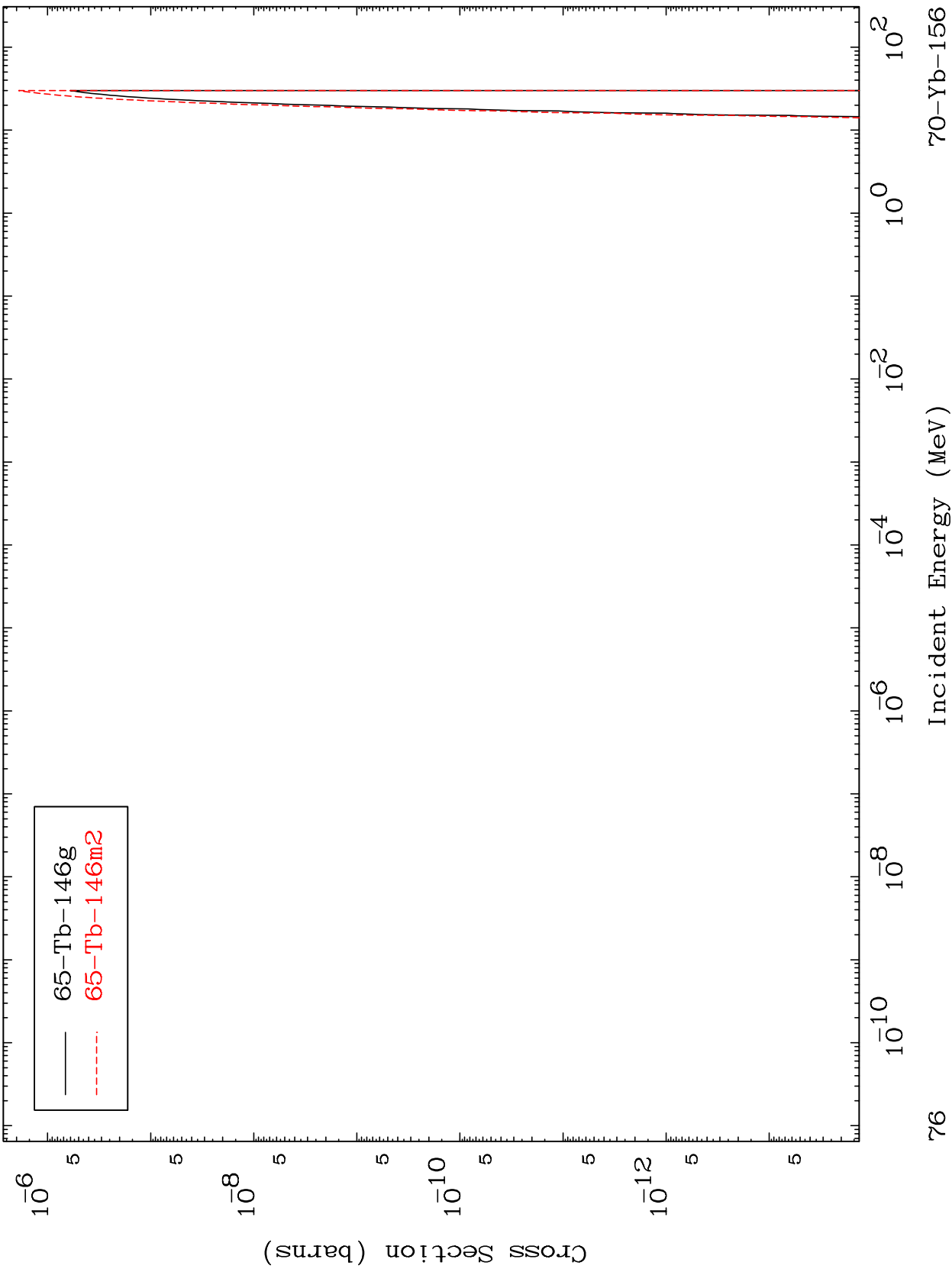
70-Yb-156

MAT 6989

(n,t) 2 α

70-Yb-156

Radionuclide Production Cross Section



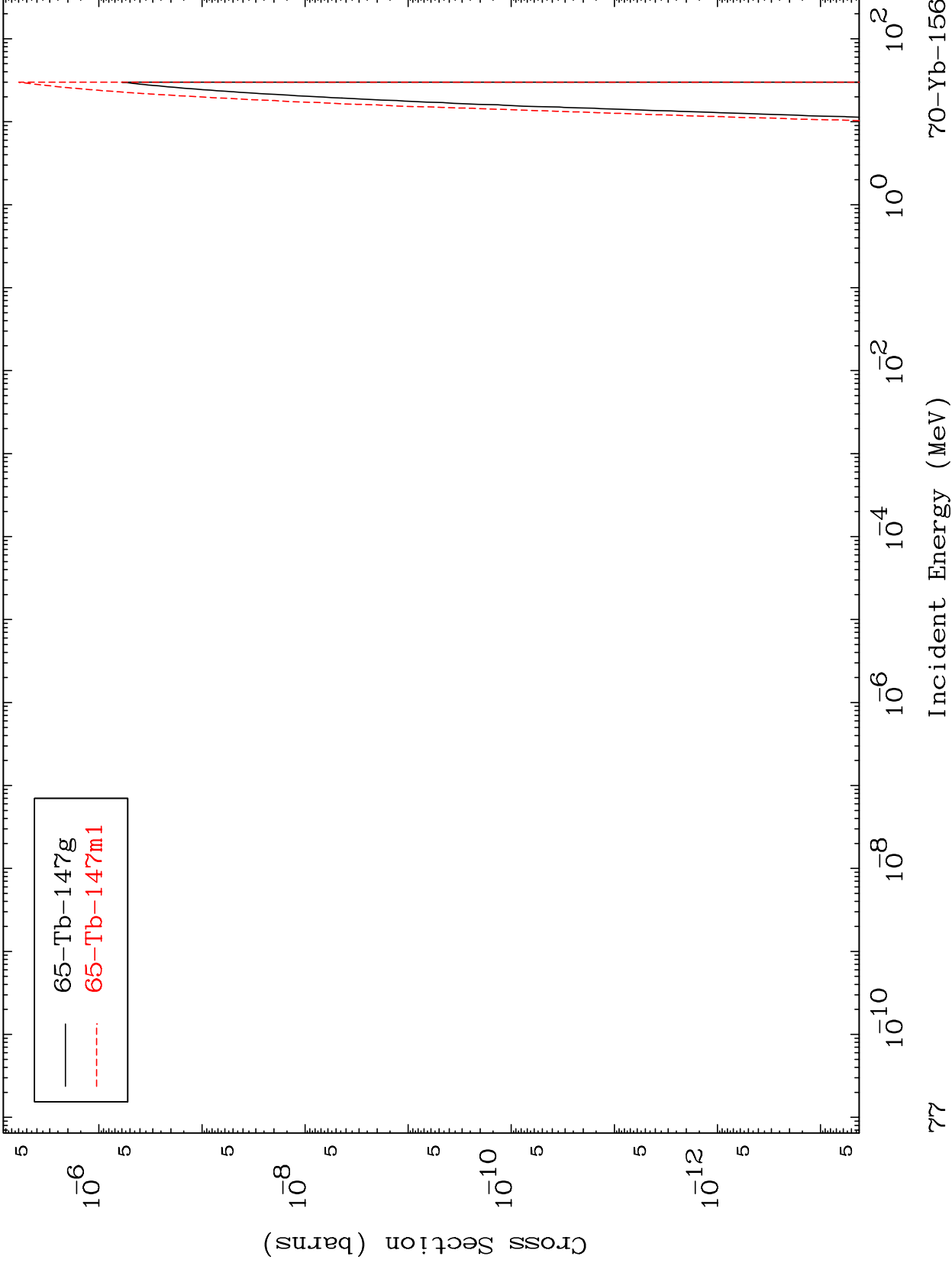
70-Yb-156

MAT 6989

(n,d) 2 α

70-Yb-156

Radionuclide Production Cross Section

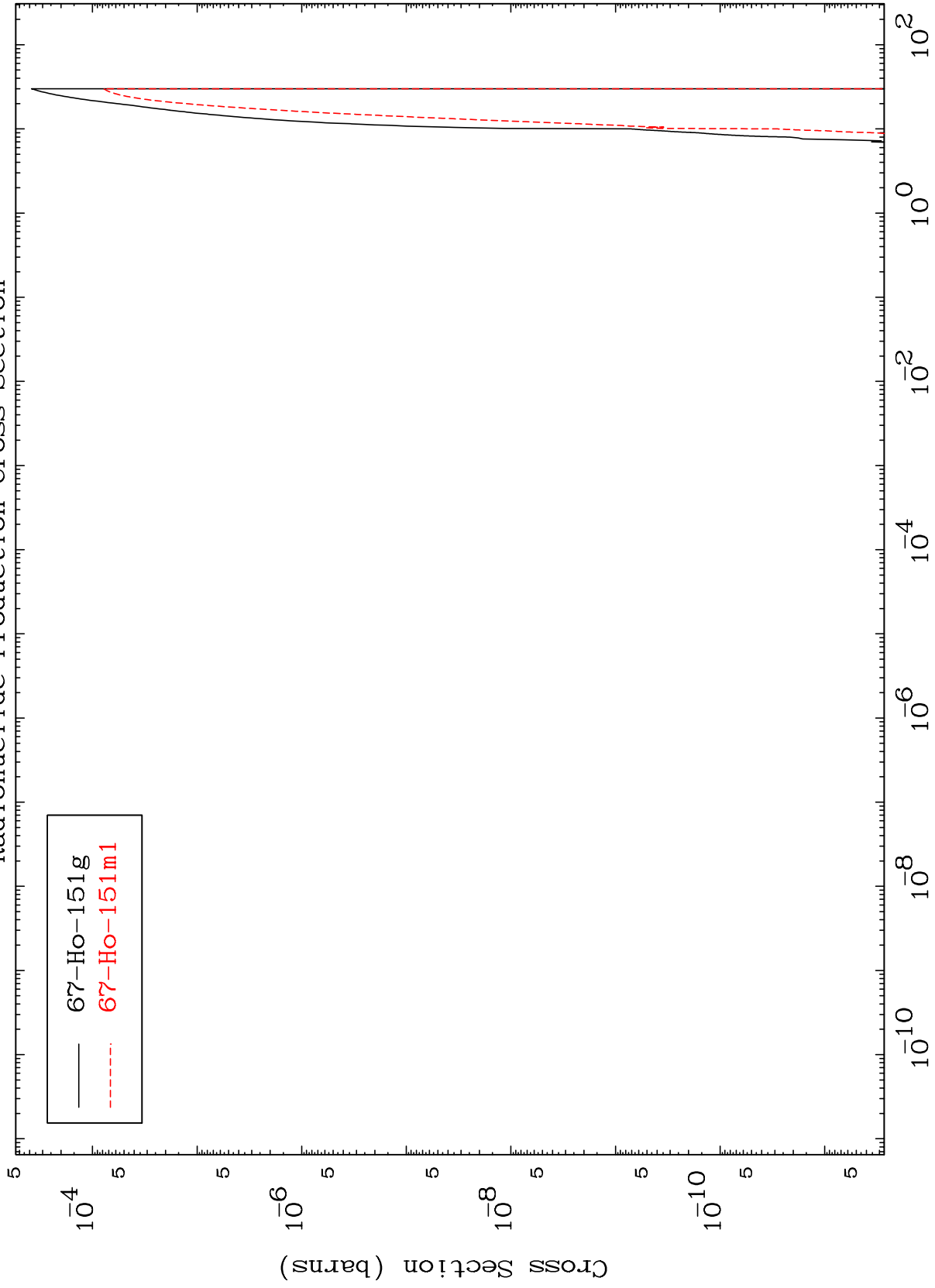


MAT 6989

(n,d) α

70-Yb-156

Radionuclide Production Cross Section



78

Incident Energy (MeV)

70-Yb-156