

Program EVALPLOT  
(Version 2015-2)

by

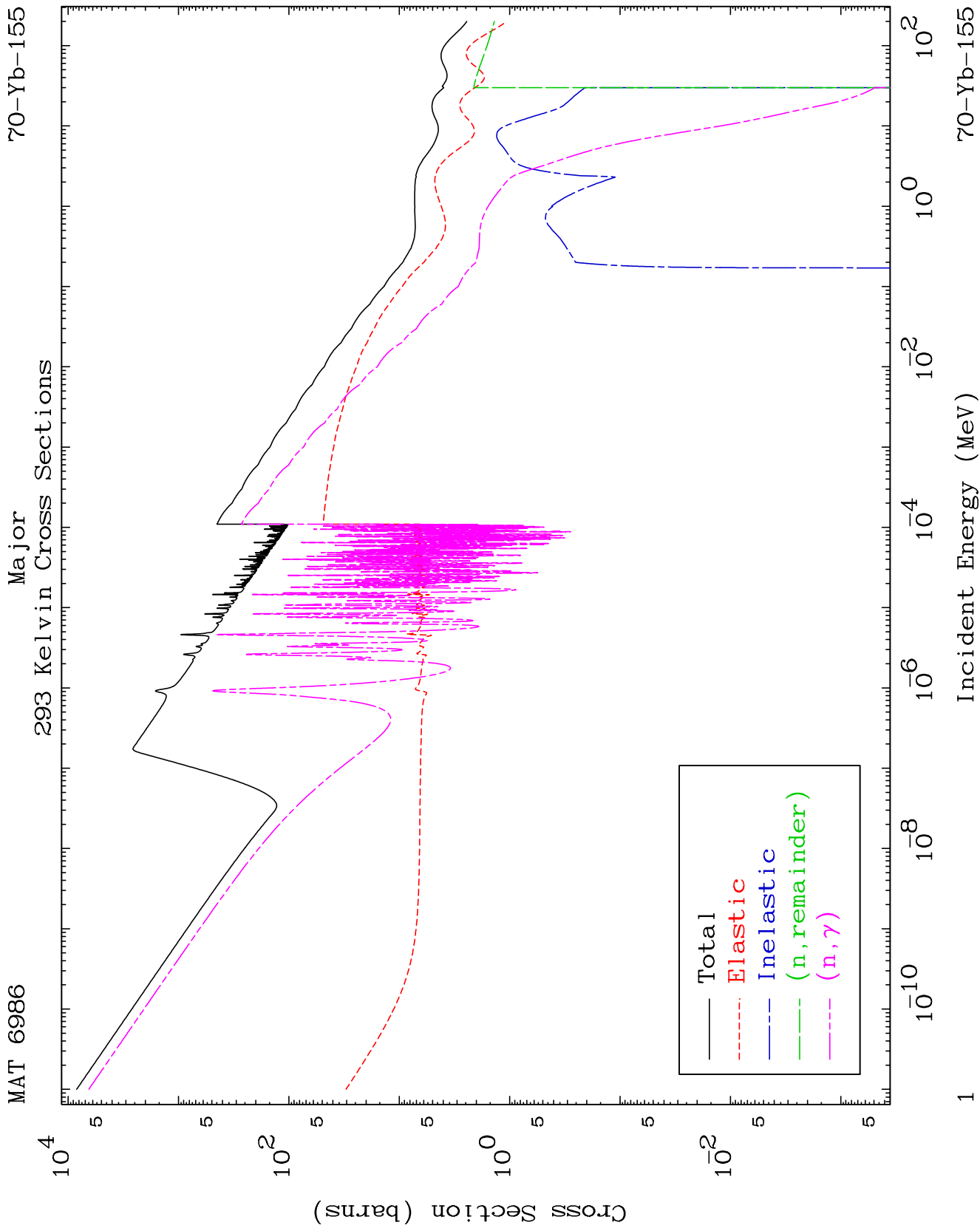
Dermott E. Cullen  
(Present Contact Information)

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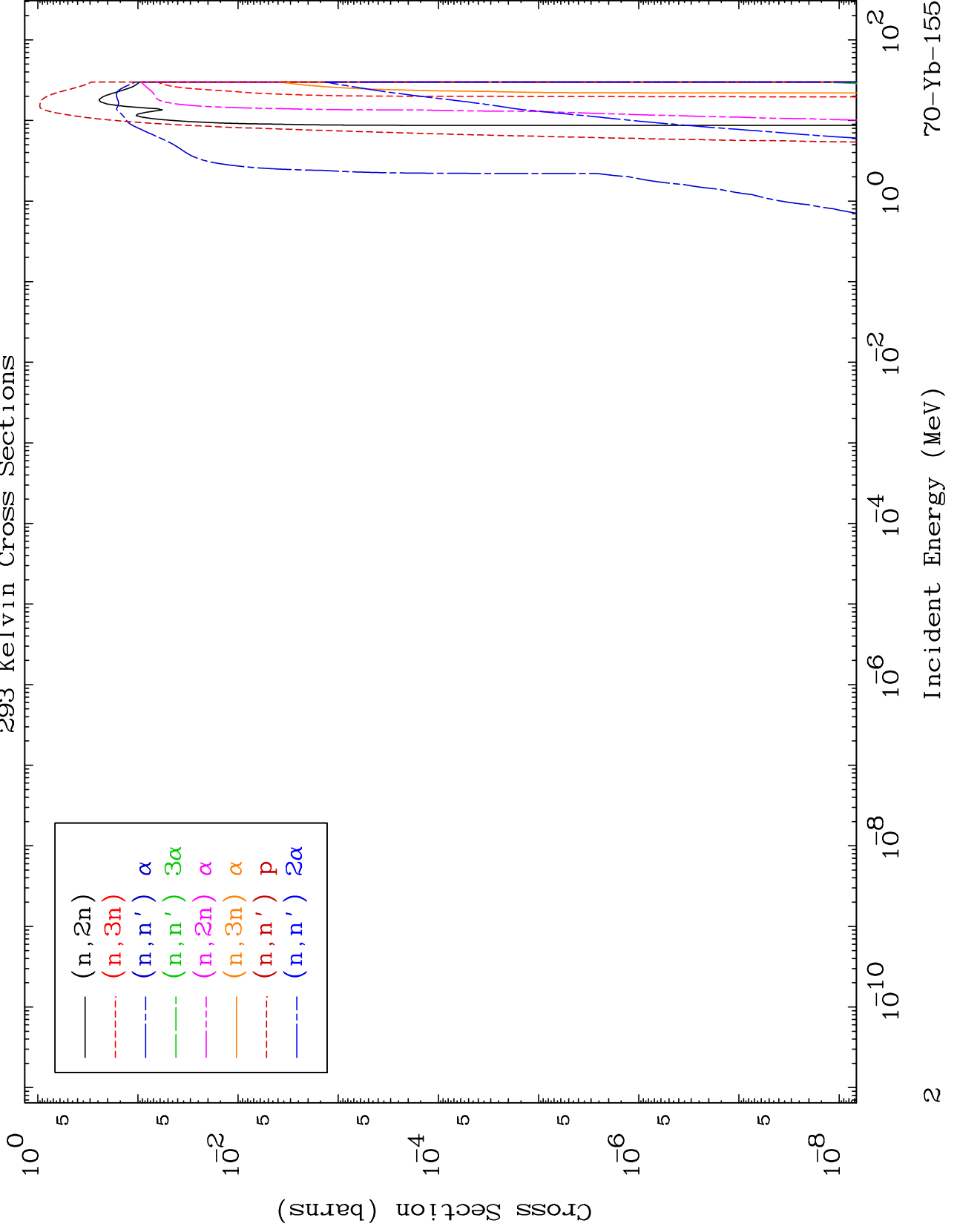
Press Mouse Button to Start



MAT 6986

Neutron Production  
293 Kelvin Cross Sections

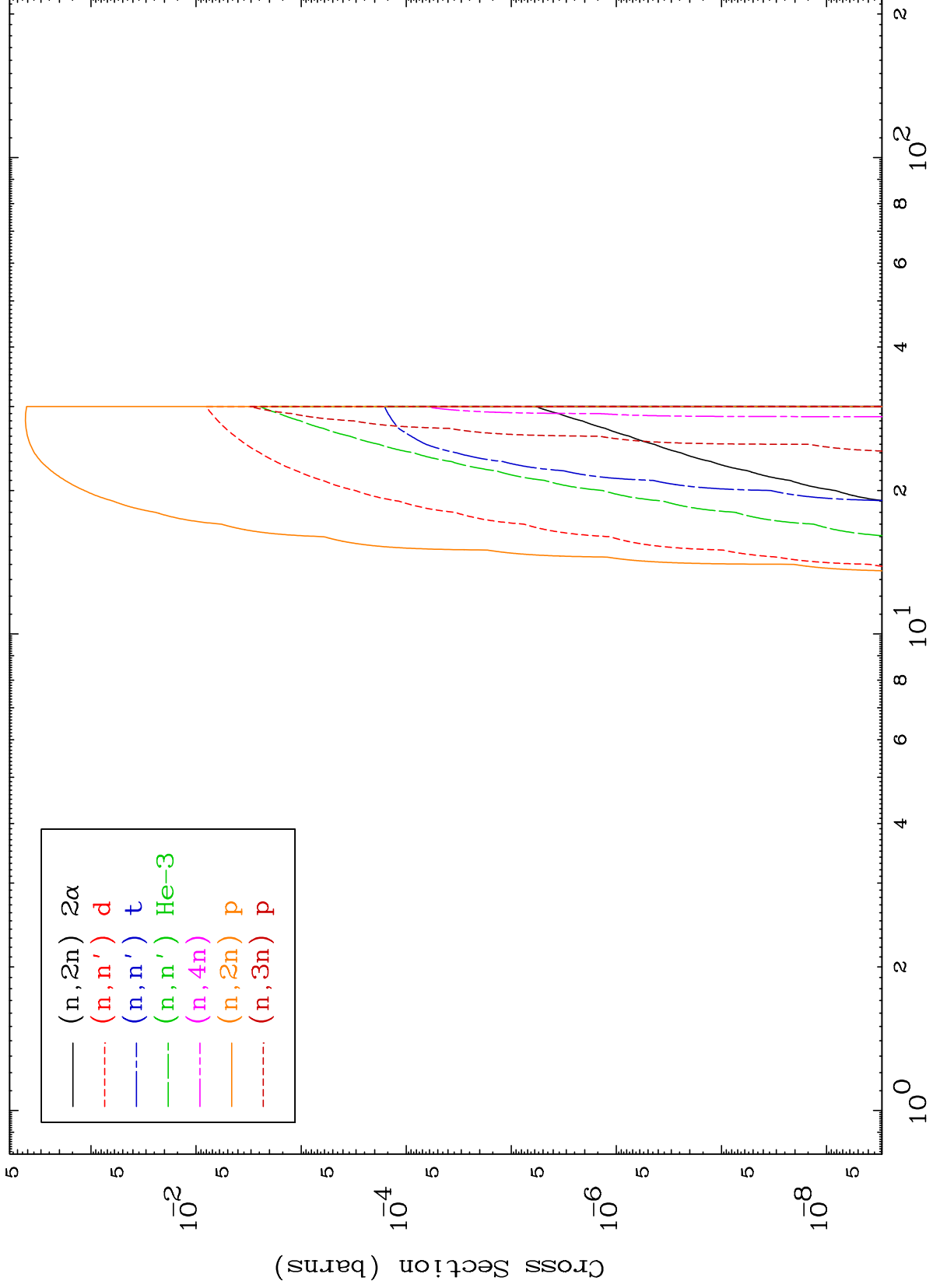
70-Yb-155



MAT 6986

Neutron Production  
293 Kelvin Cross Sections

70-Yb-155



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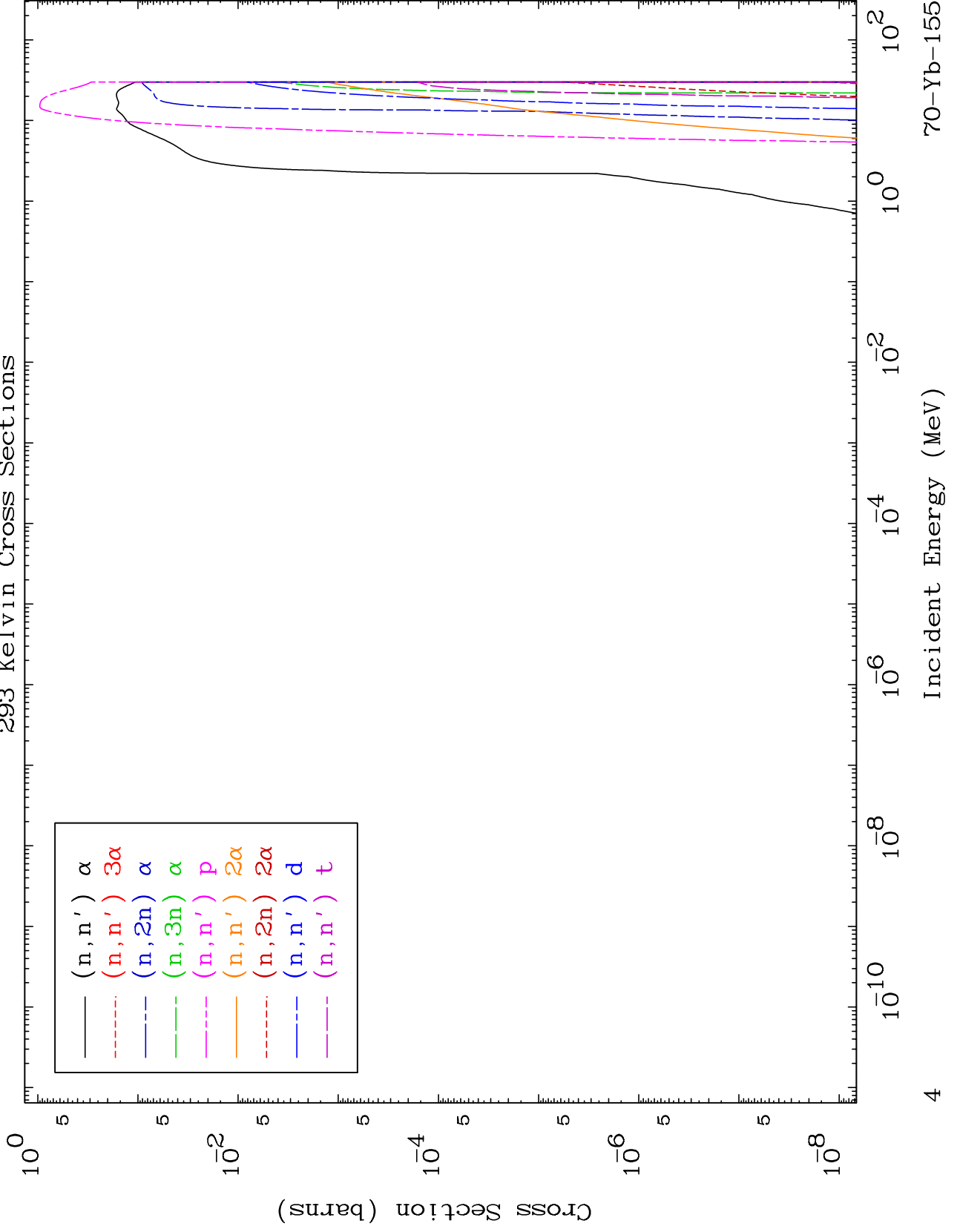
Incident Energy (MeV)

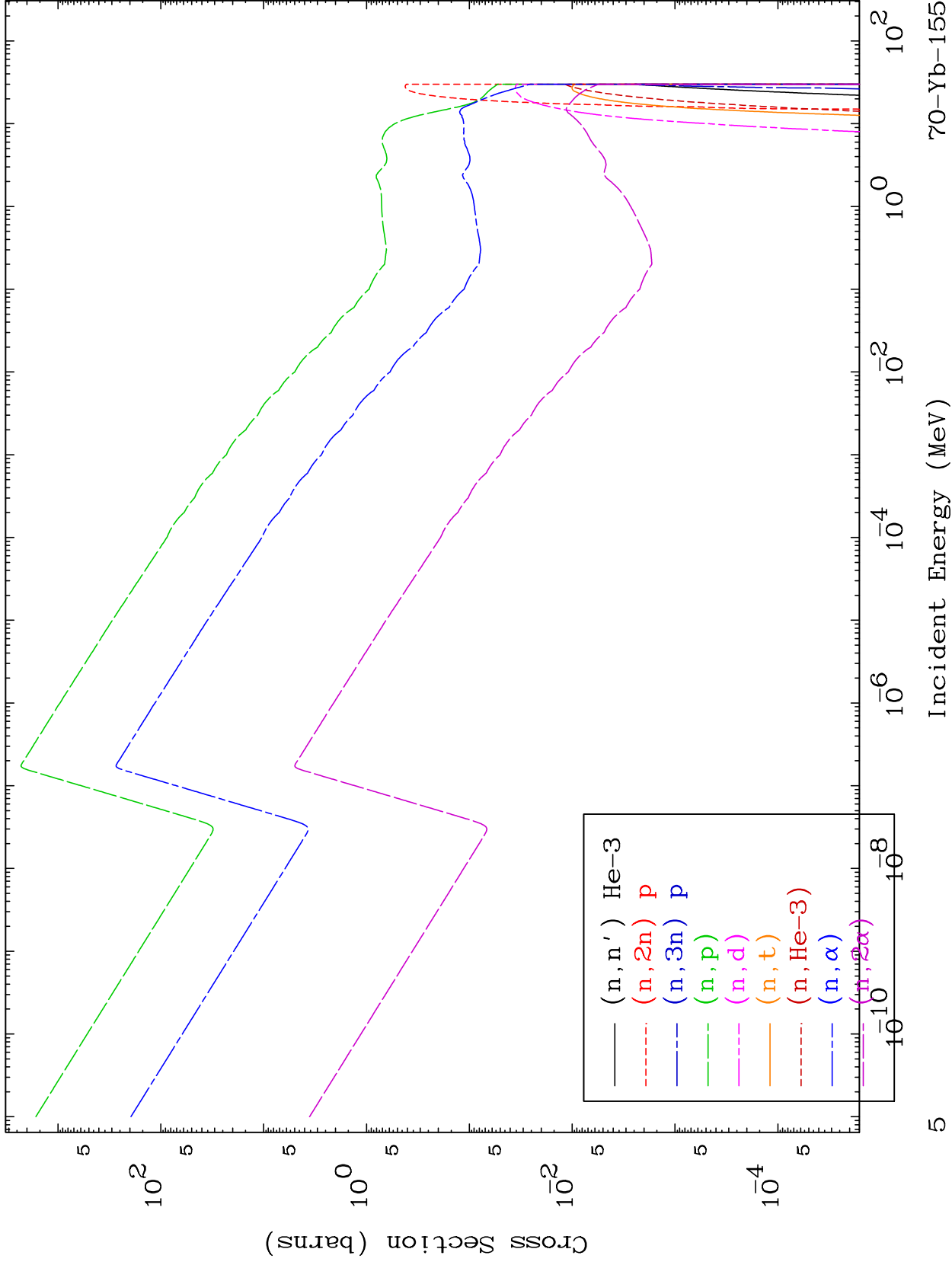
70-Yb-155

MAT 6986

Charged Particle  
293 Kelvin Cross Sections

70-Yb-155

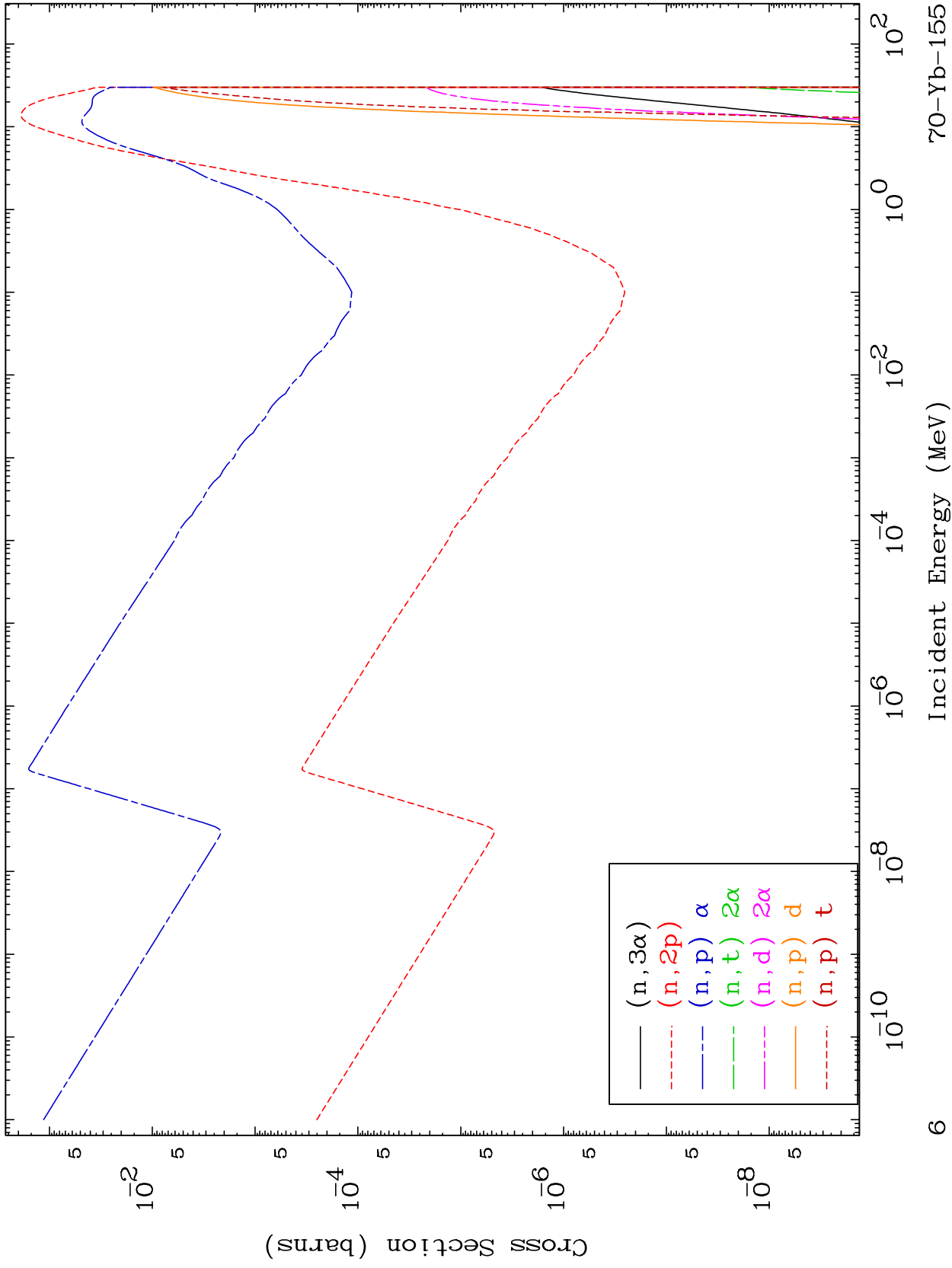




MAT 6986

Charged Particle  
293 Kelvin Cross Sections

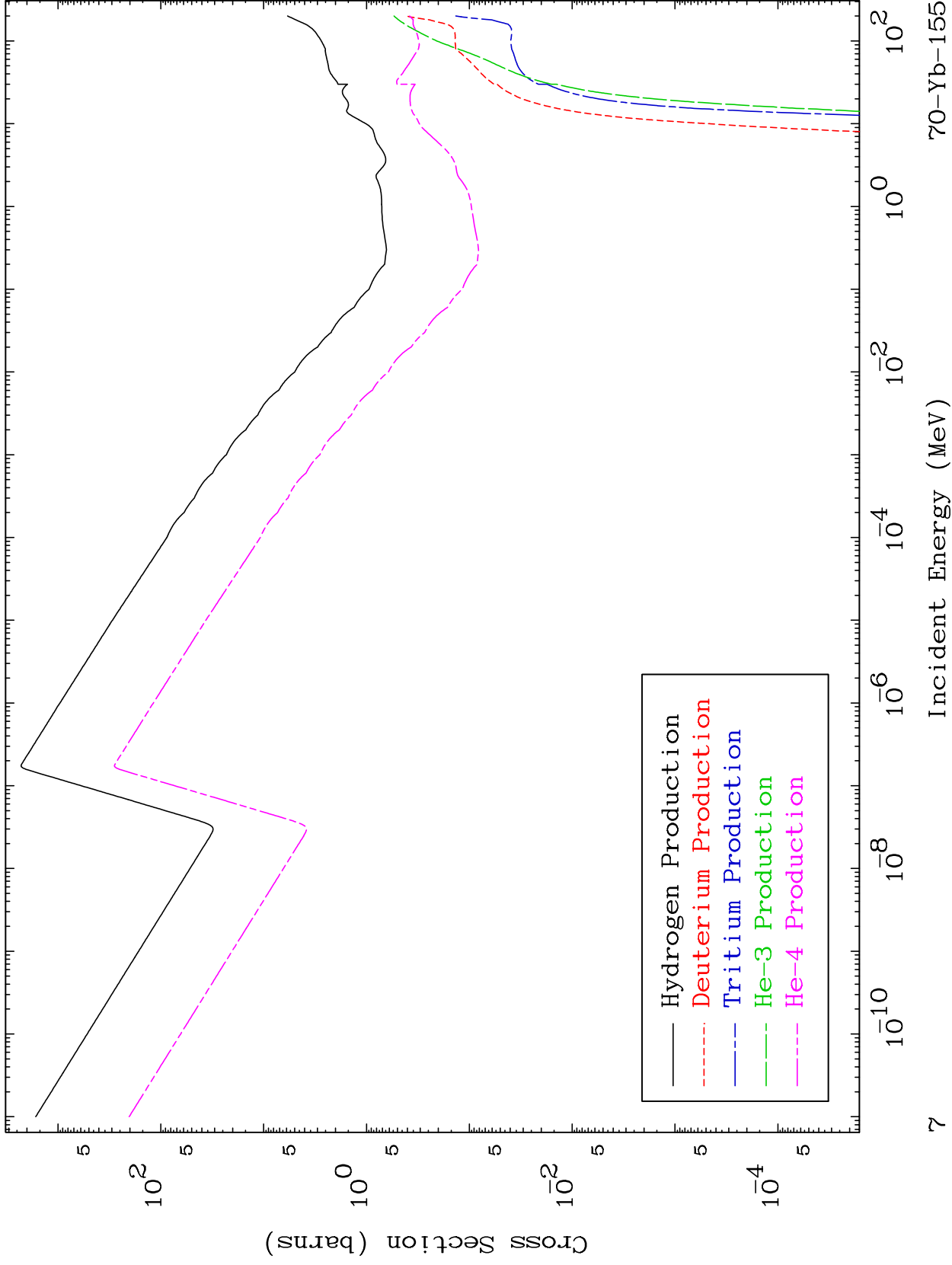
70-Yb-155



MAT 6986

Particle Production  
293 Kelvin Cross Sections

70-Yb-155

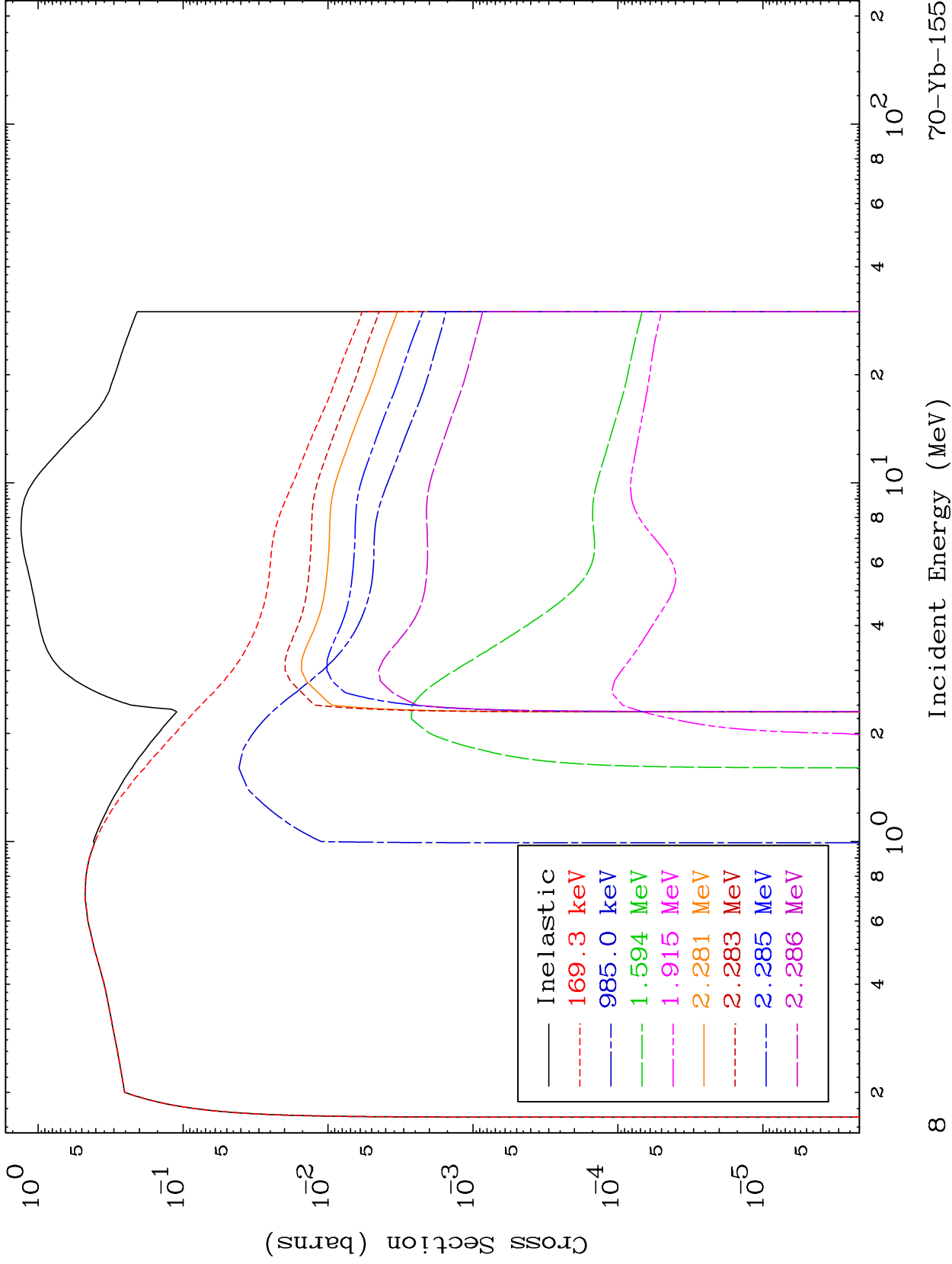


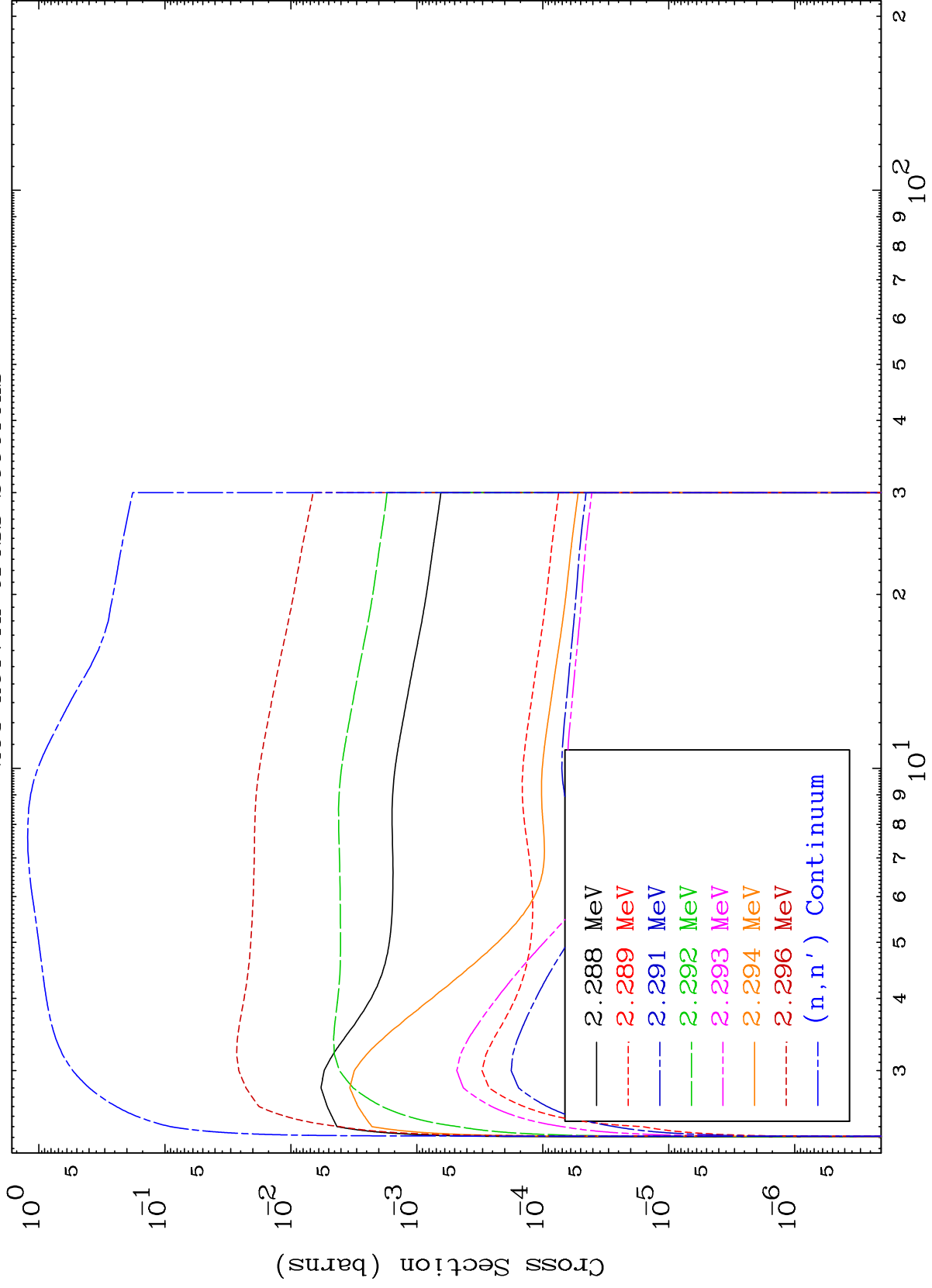


MAT 6986

(n,n') Level  
293 Kelvin Cross Sections

70-Yb-155

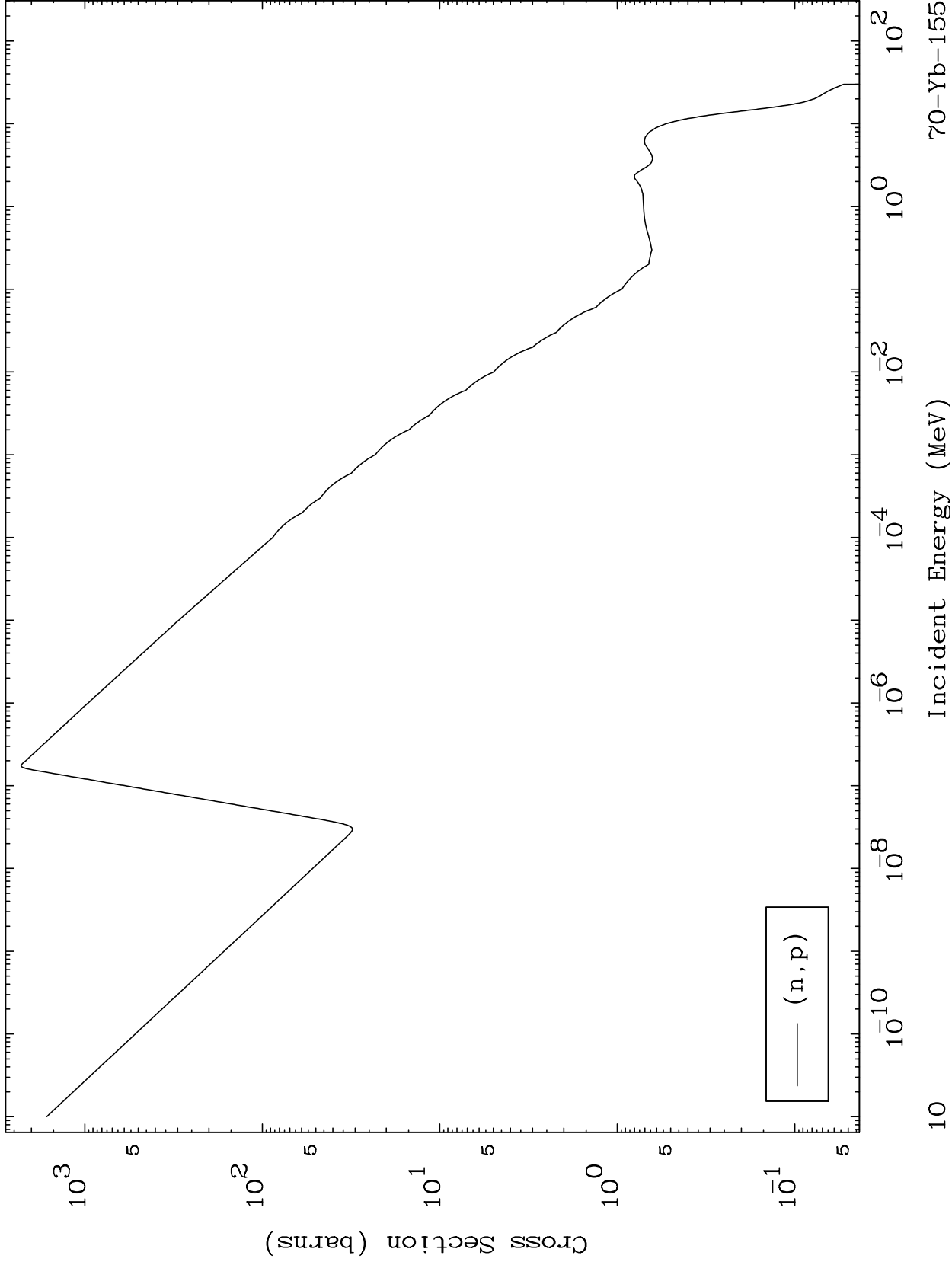




MAT 6986

(n,p) Levels  
293 Kelvin Cross Sections

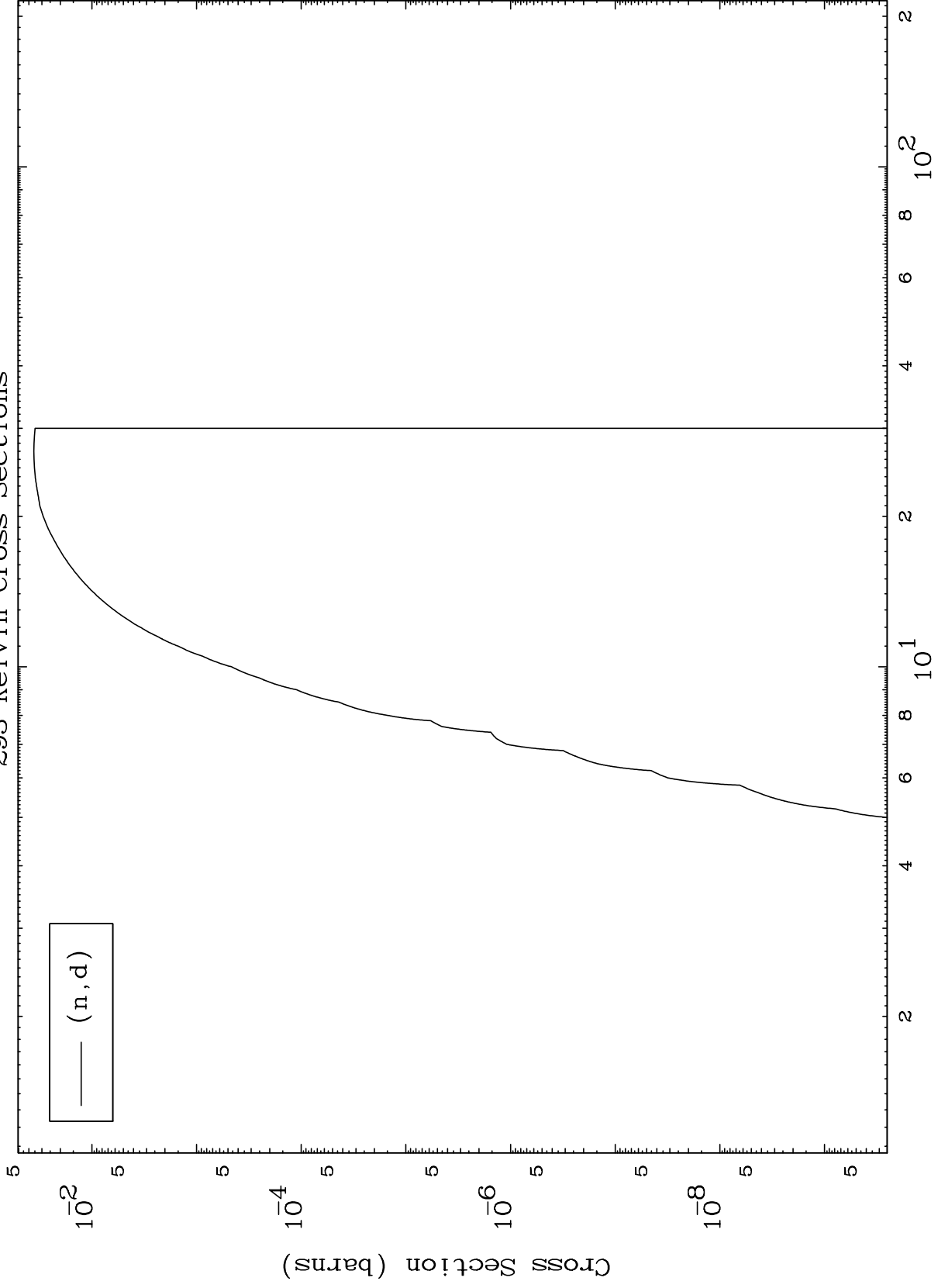
70-Yb-155



MAT 6986

(n,d) Levels  
293 Kelvin Cross Sections

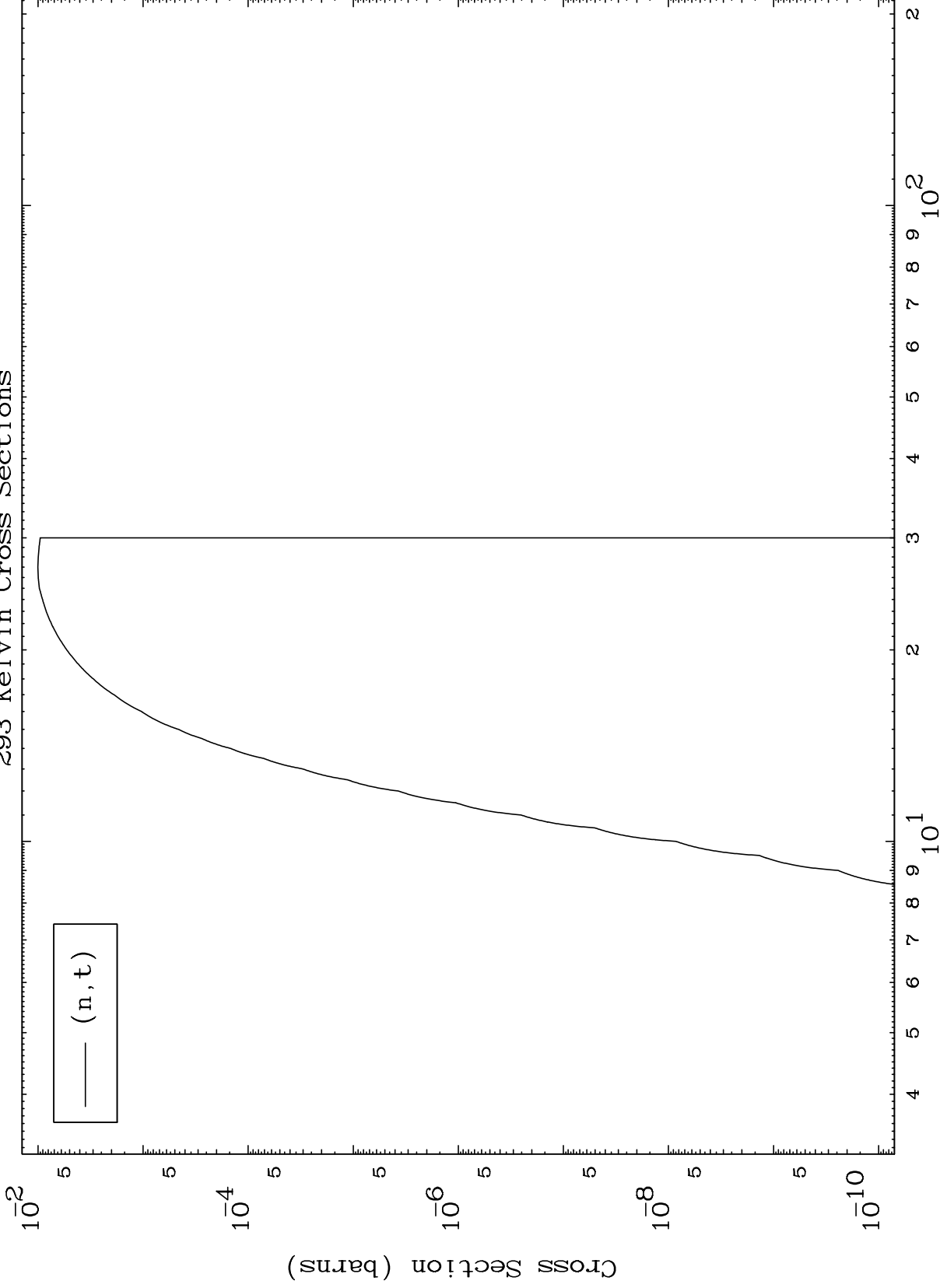
70-Yb-155



MAT 6986

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-155



(n,t)

12

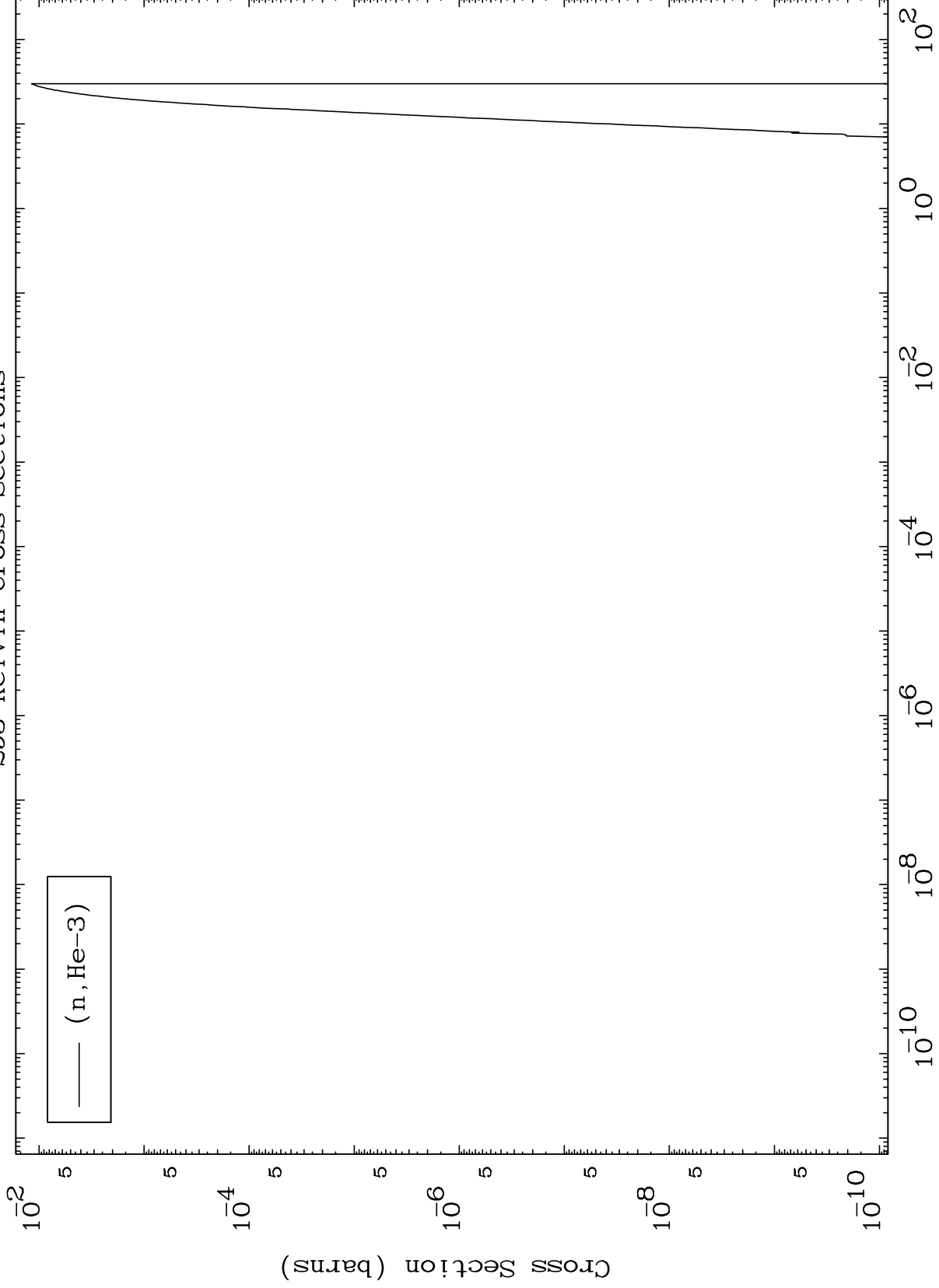
Incident Energy (MeV)

70-Yb-155

MAT 6986

(n,He3) Levels  
293 Kelvin Cross Sections

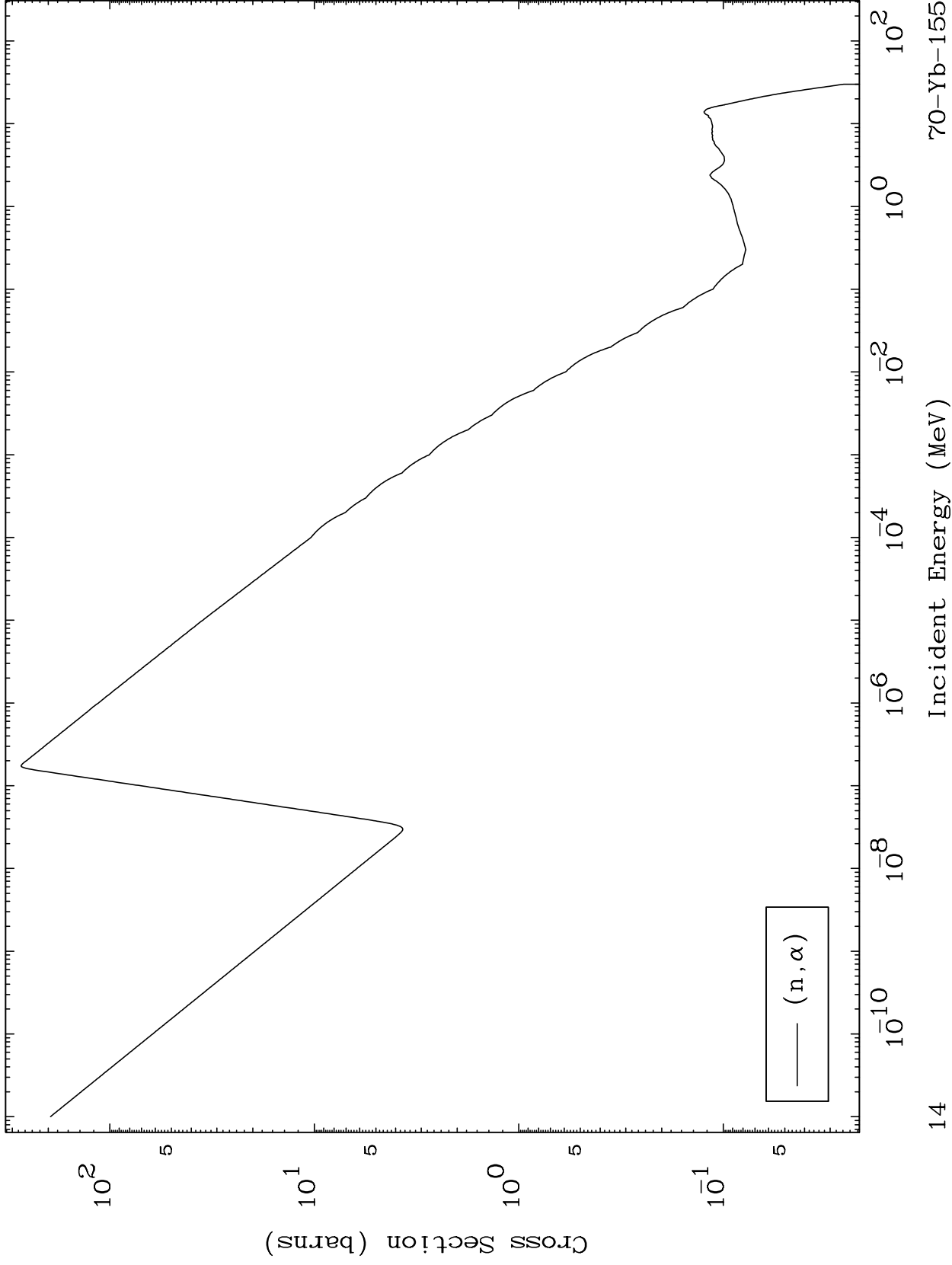
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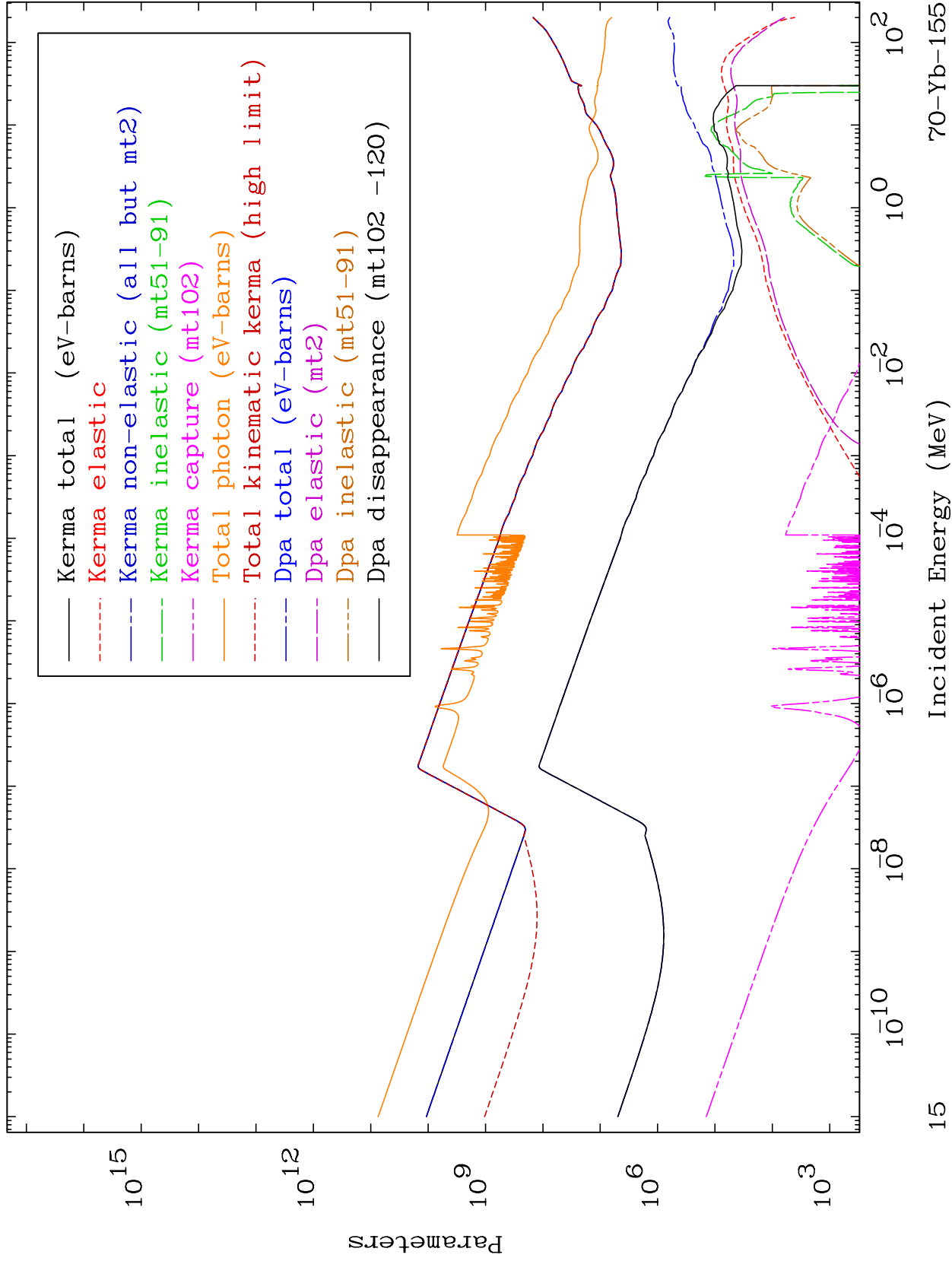


MAT 6986

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

70-Yb-155



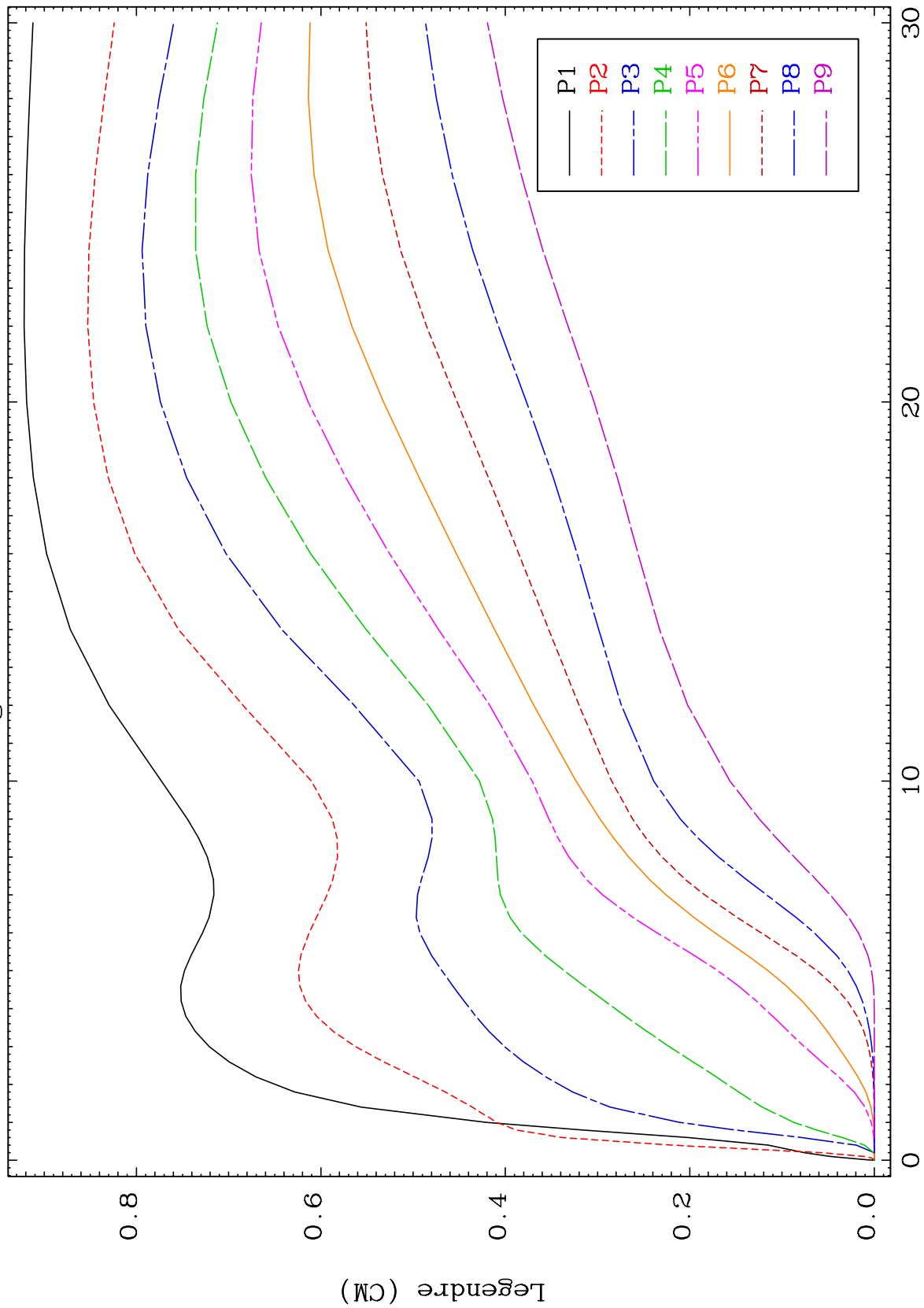




MAT 6986

Elastic Legendre Coefficients

70-Yb-155



16

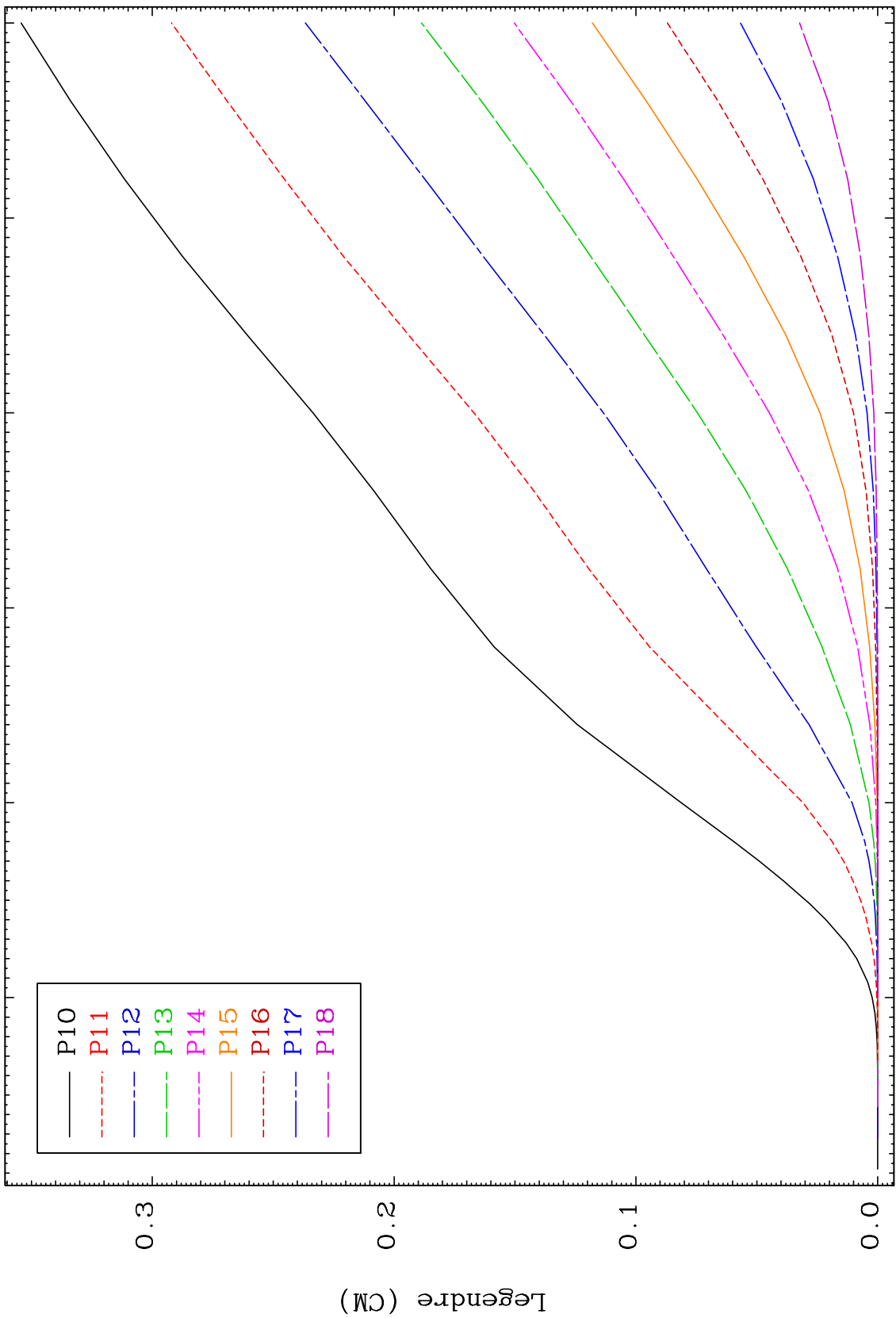
Incident Energy (MeV)

70-Yb-155

MAT 6986

Elastic Legendre Coefficients

70-Yb-155



17

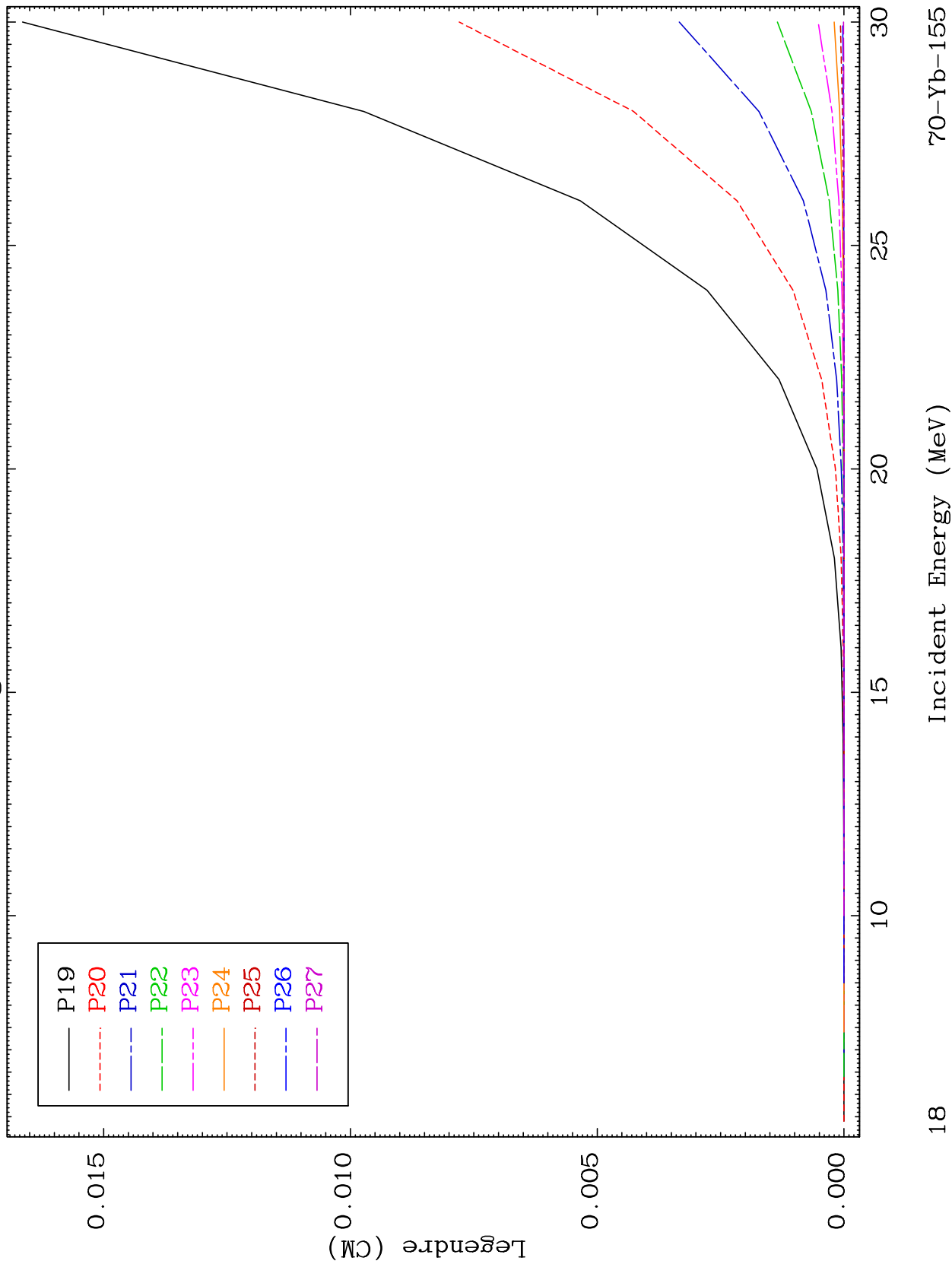
Incident Energy (MeV)

70-Yb-155

MAT 6986

### Elastic Legendre Coefficients

70-Yb-155



18

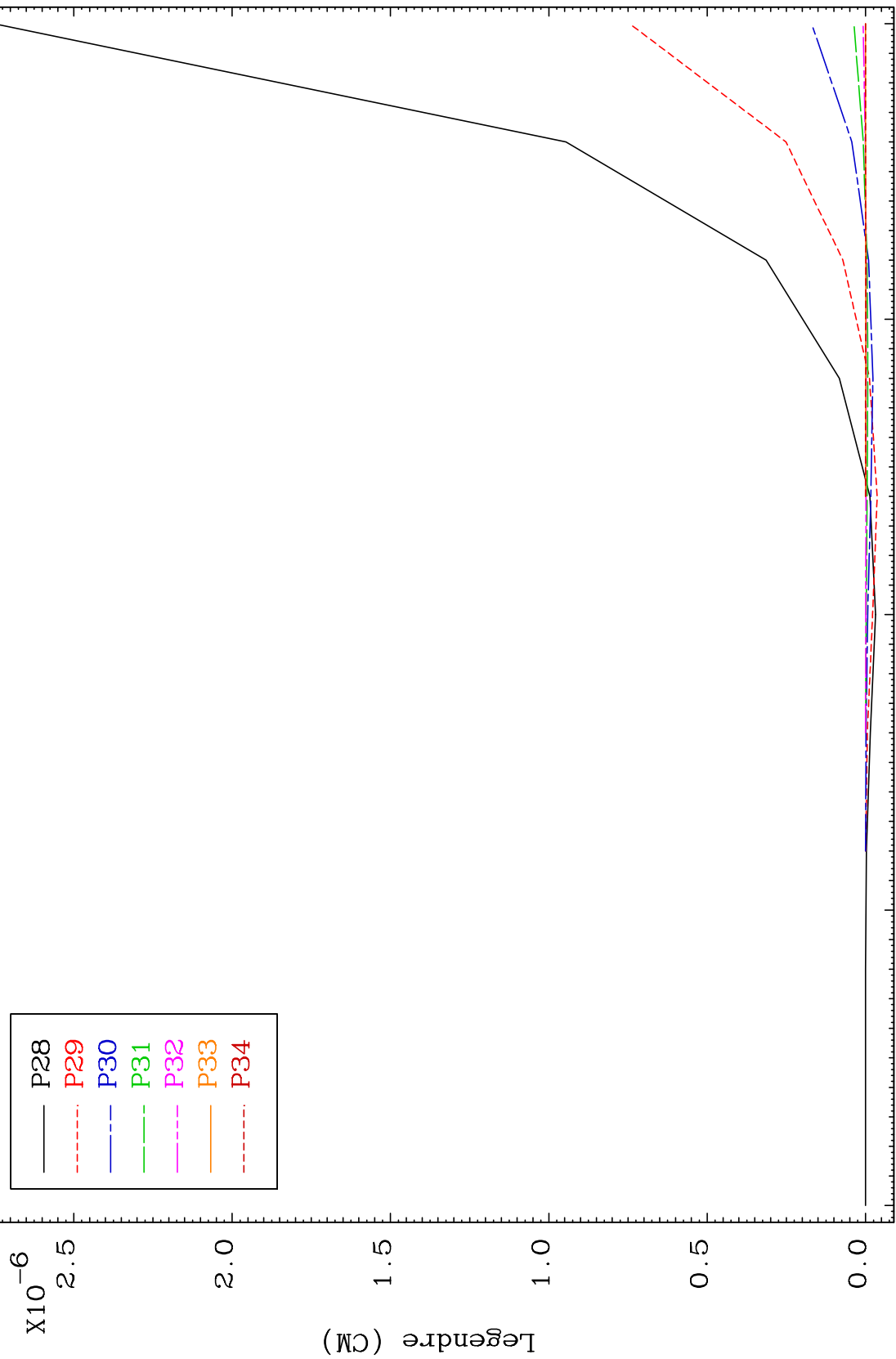
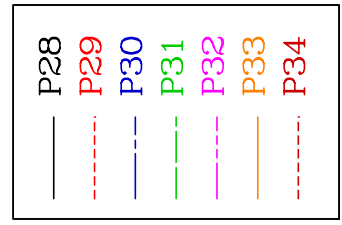
Incident Energy (MeV)

70-Yb-155

MAT 6986

Elastic Legendre Coefficients

70-Yb-155



10

15

20

25

30

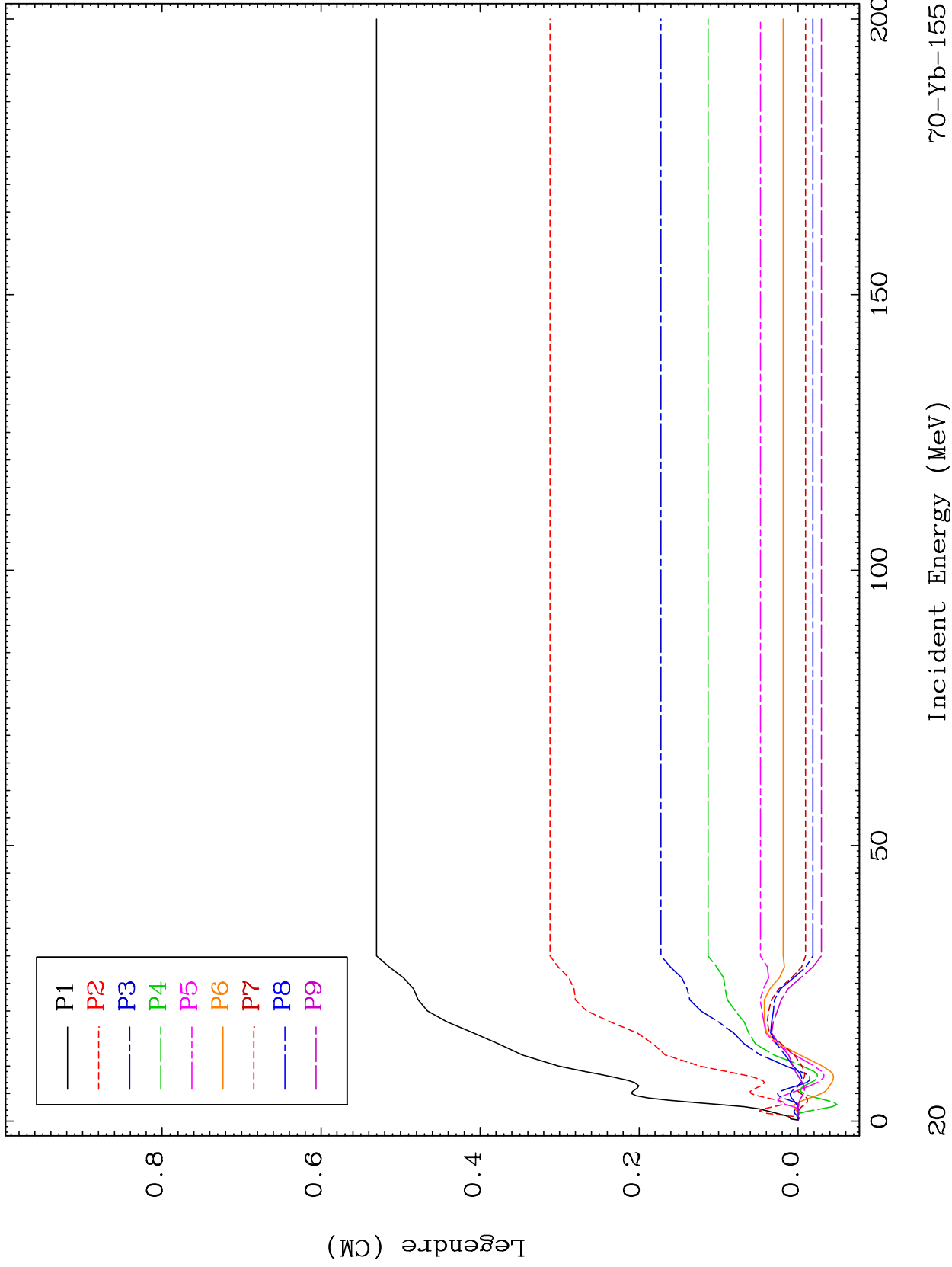
Incident Energy (MeV)

70-Yb-155

MAT 6986

169.3 keV (n, n') Level  
Legendre Coefficients

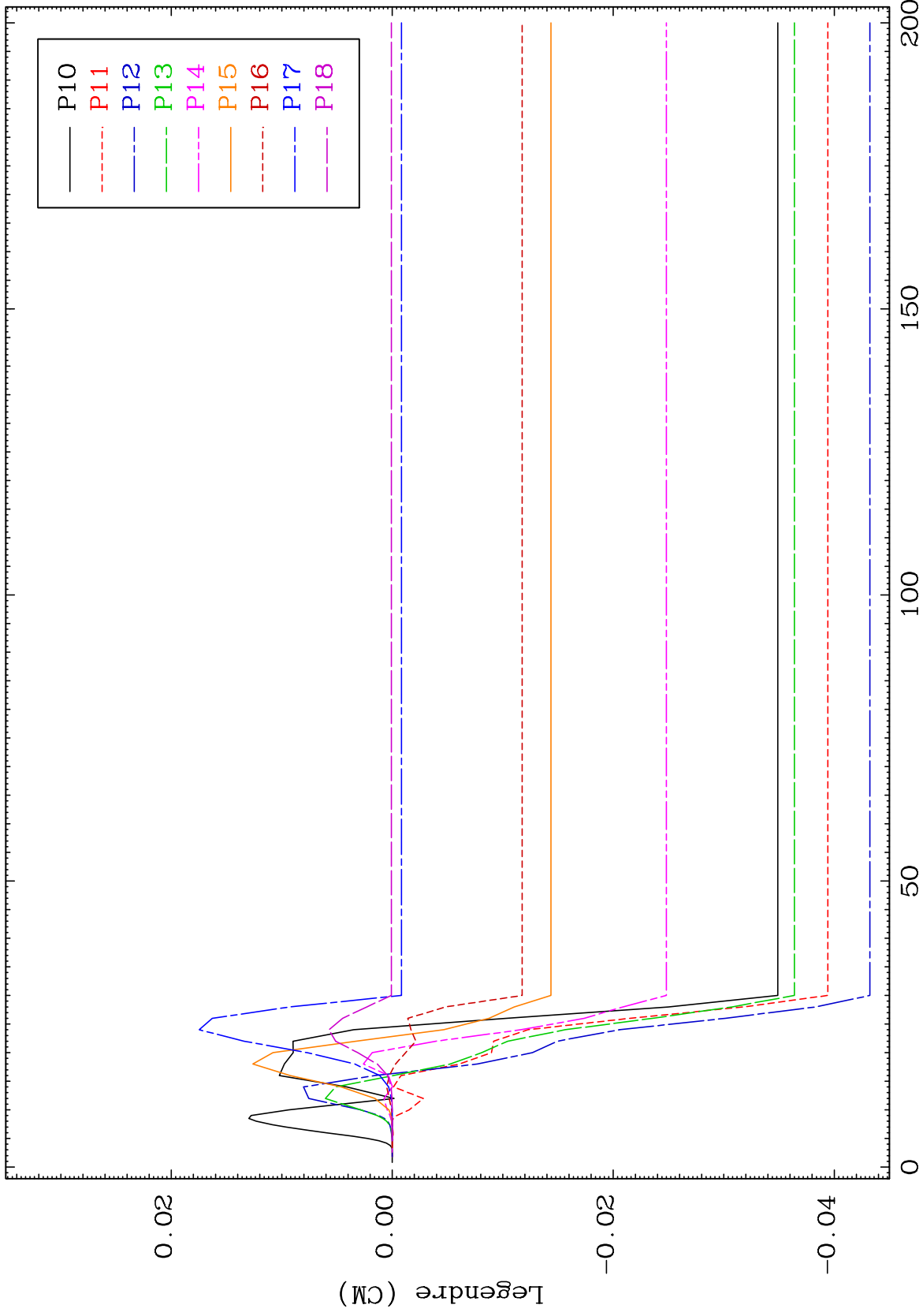
70-Yb-155



MAT 6986

169.3 keV (n,n') Level  
Legendre Coefficients

70-Yb-155



21

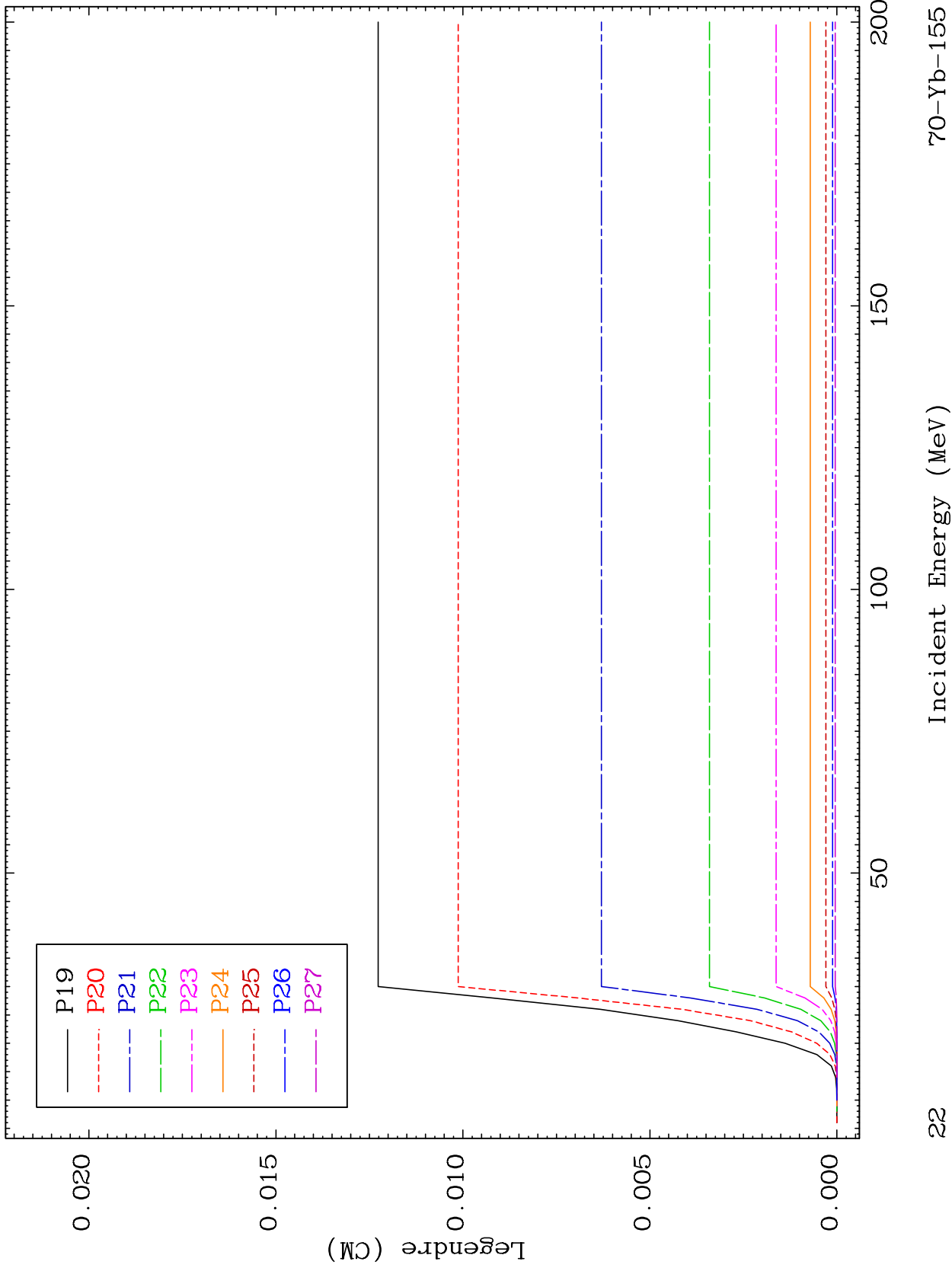
Incident Energy (MeV)

70-Yb-155

MAT 6986

169.3 keV (n, n') Level  
Legendre Coefficients

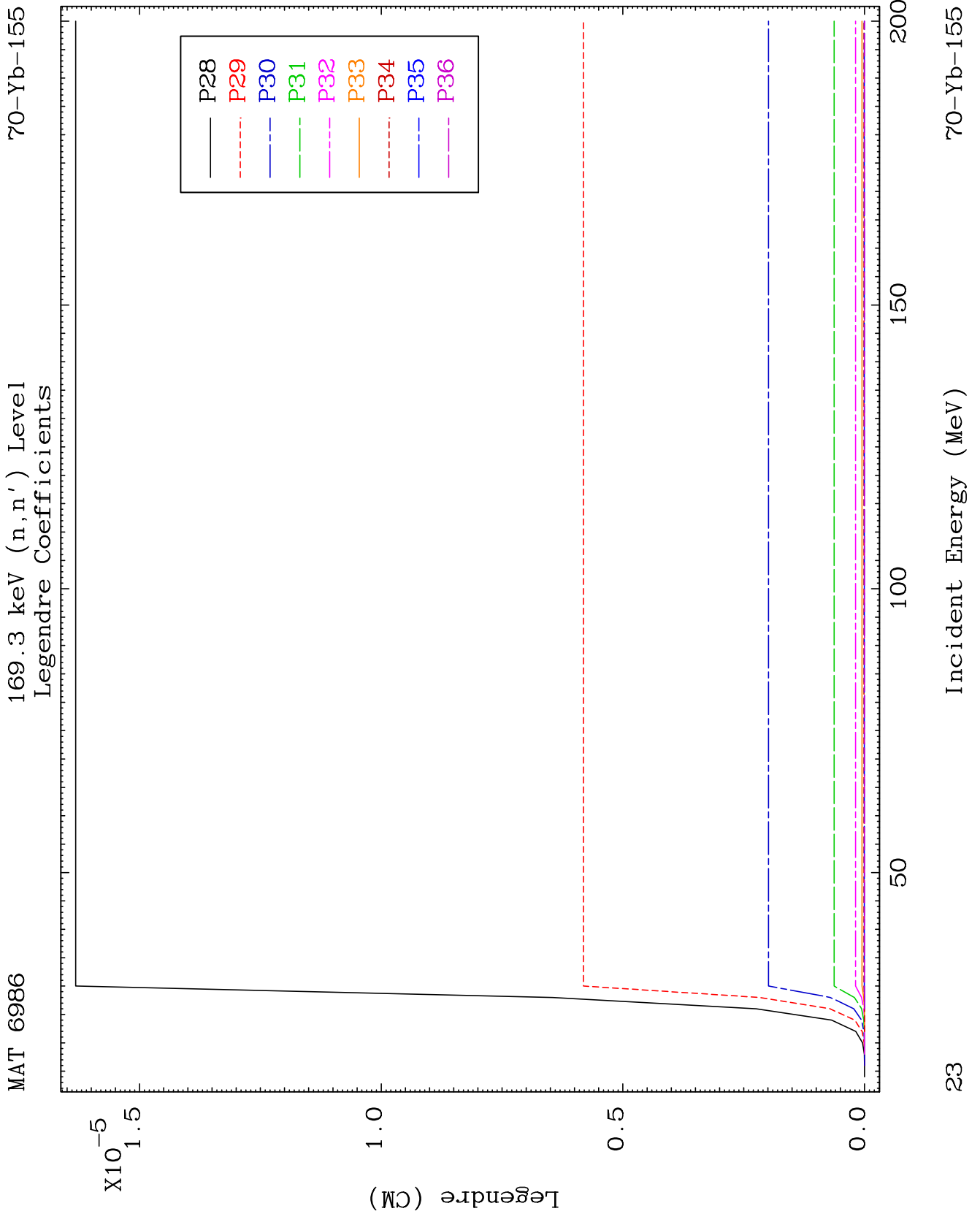
70-Yb-155



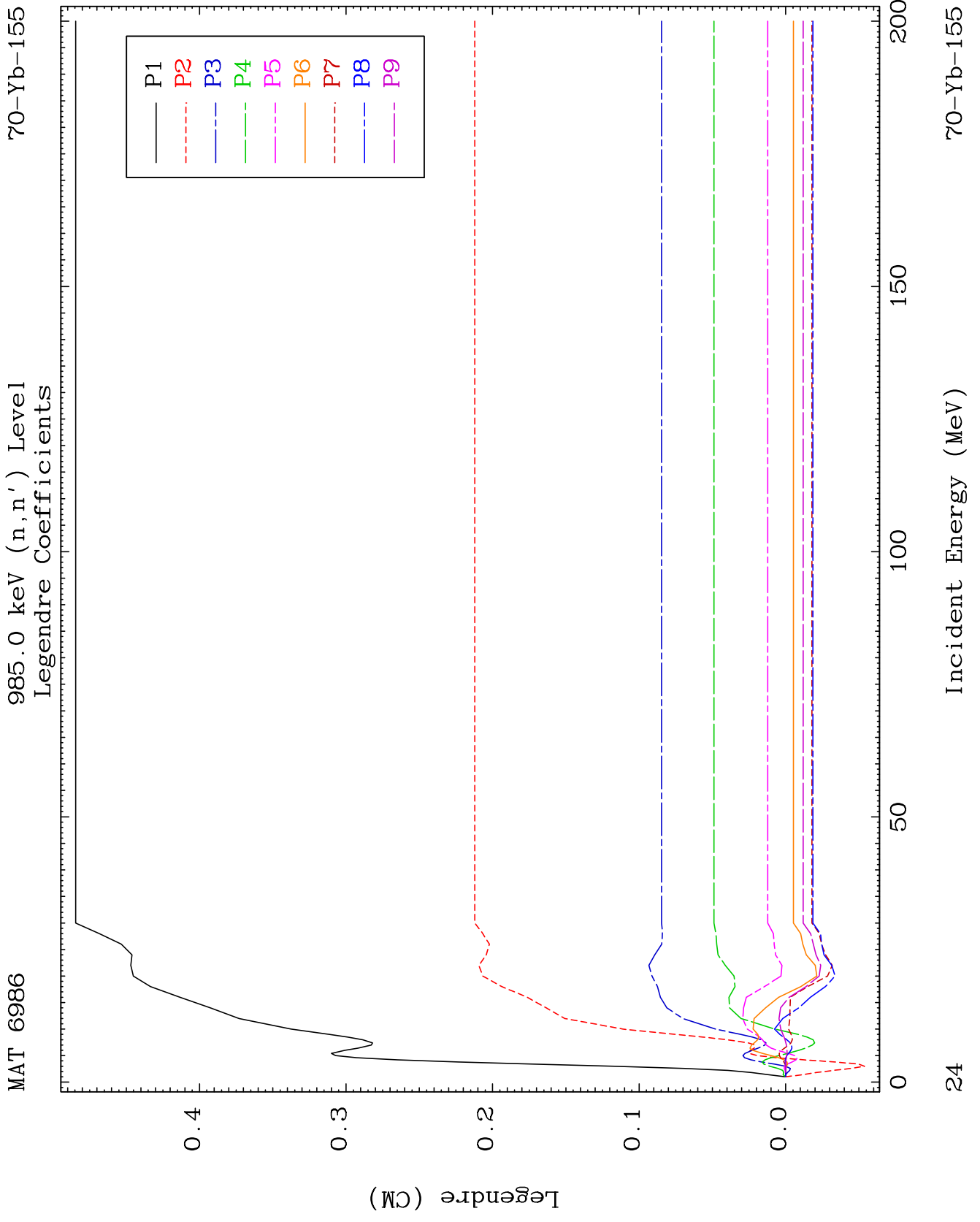
22

Incident Energy (MeV)

70-Yb-155



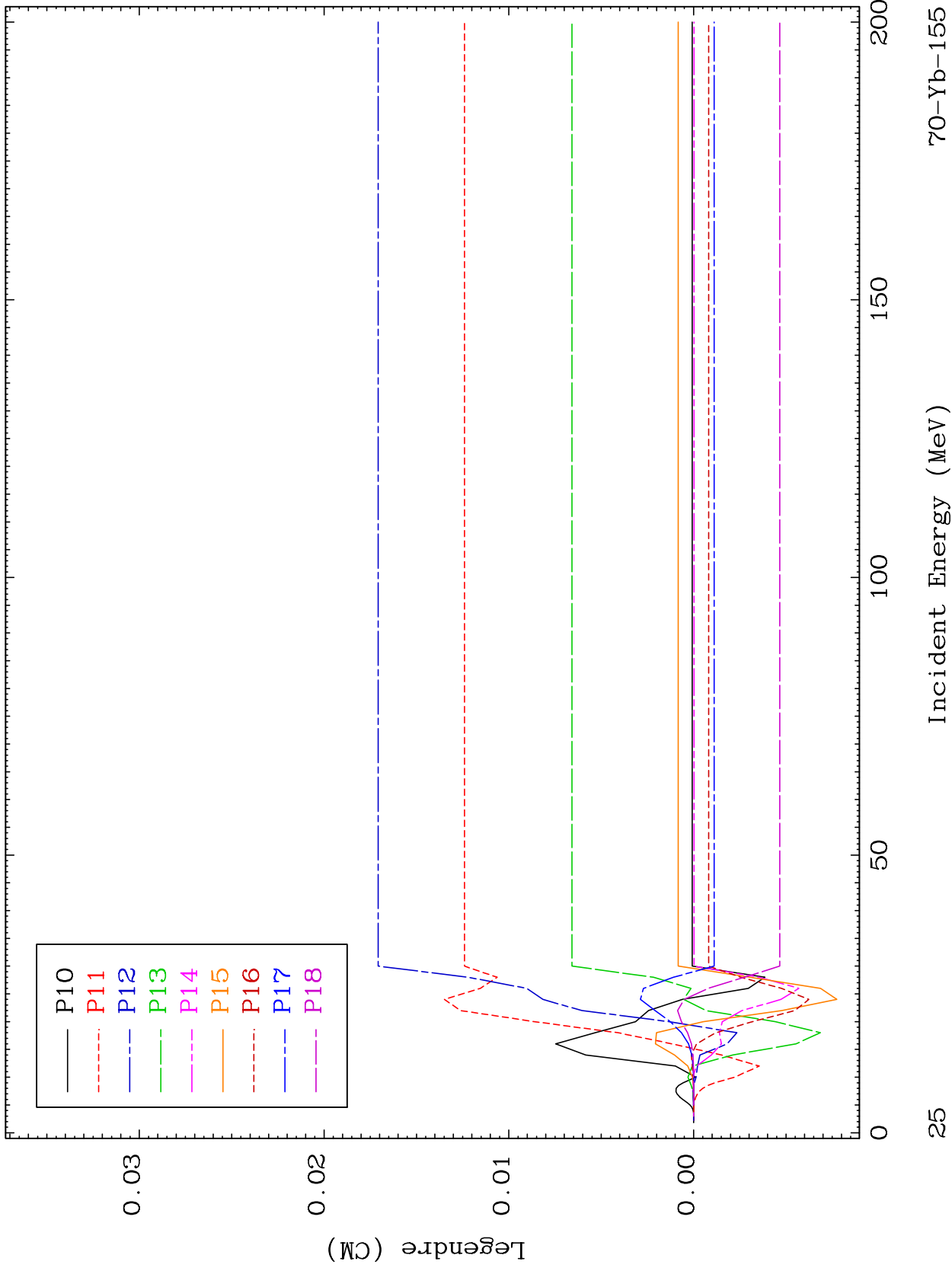




MAT 6986

985.0 keV (n,n') Level  
Legendre Coefficients

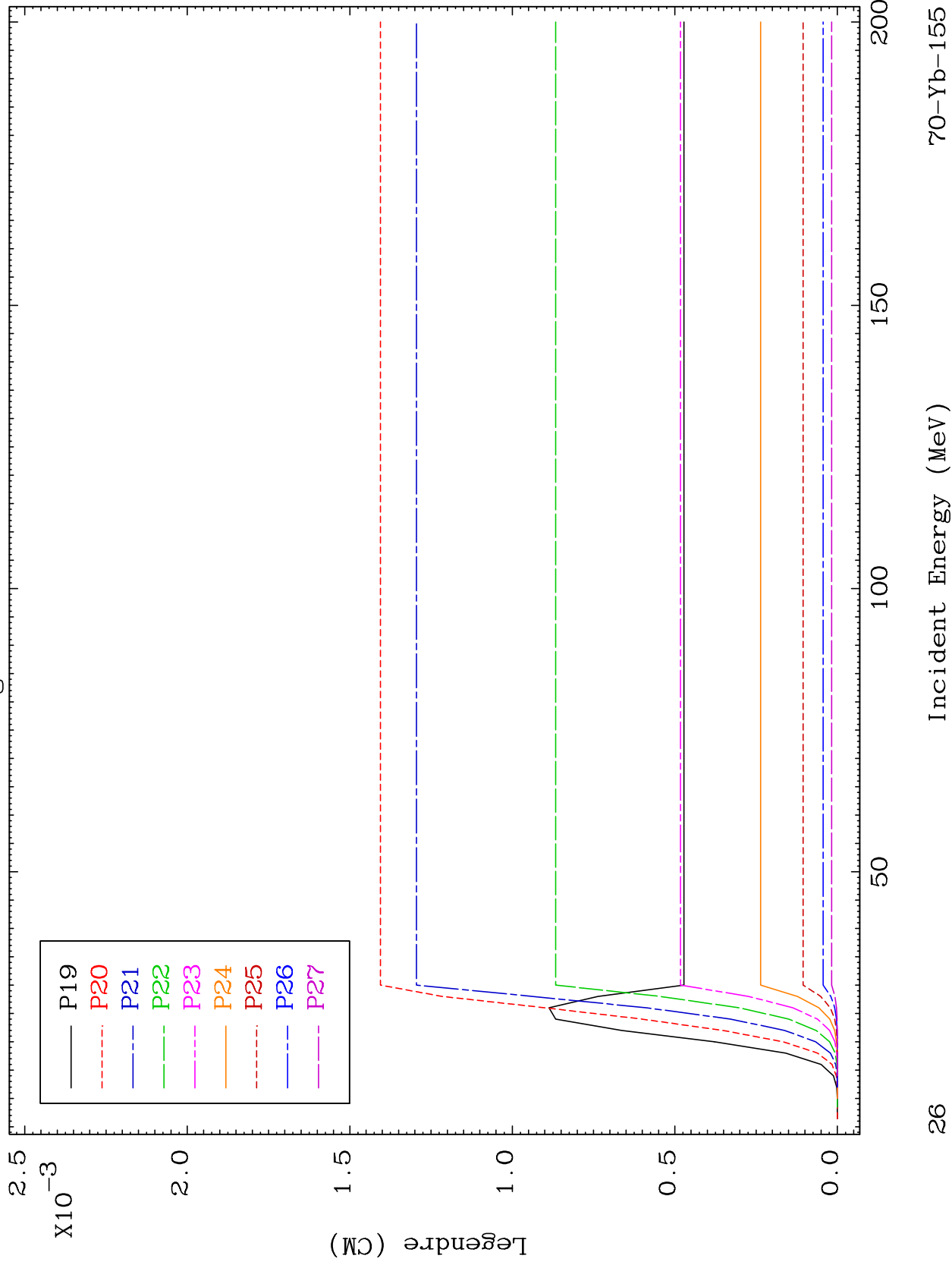
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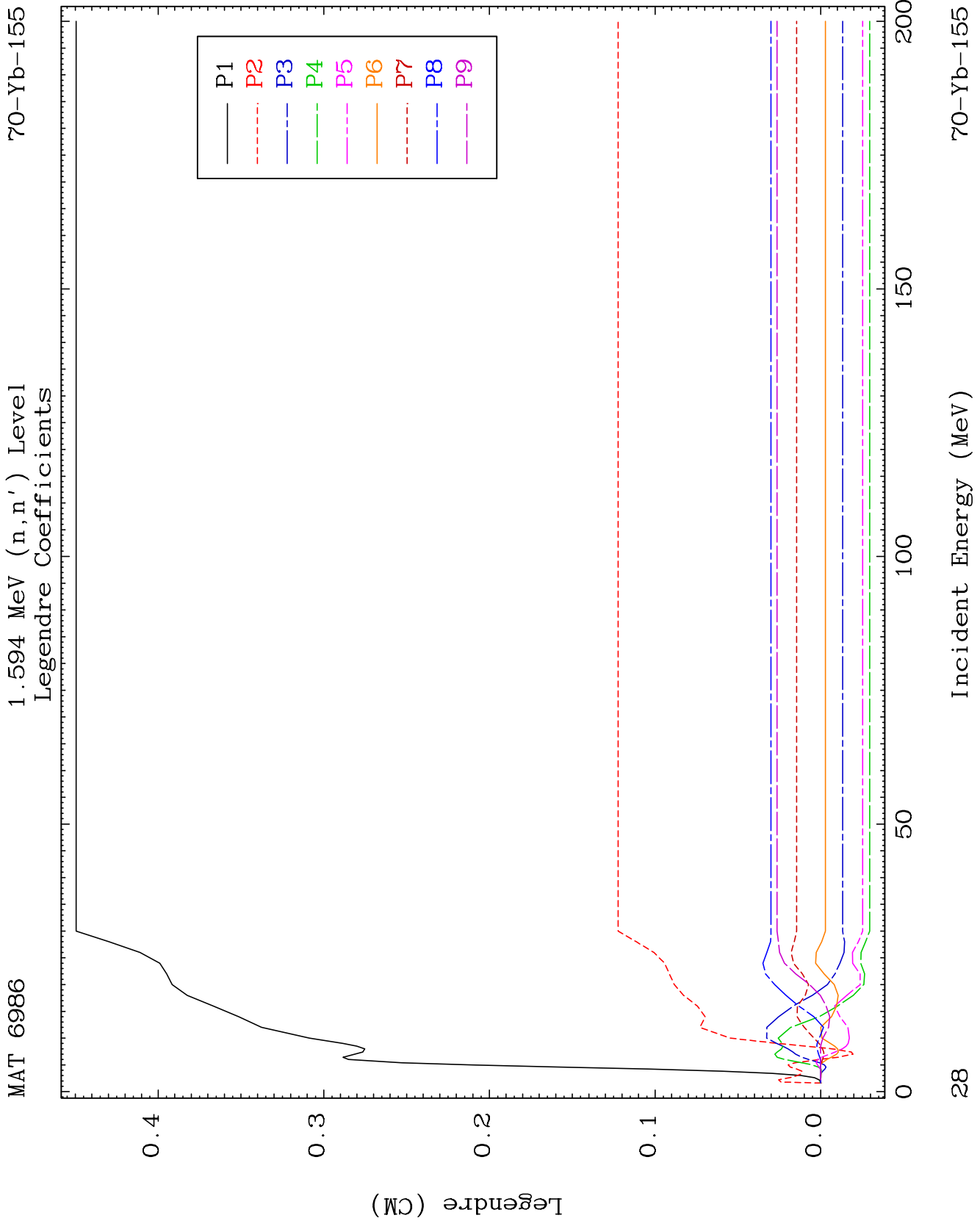
70-Yb-155

Incident Energy (MeV)

25



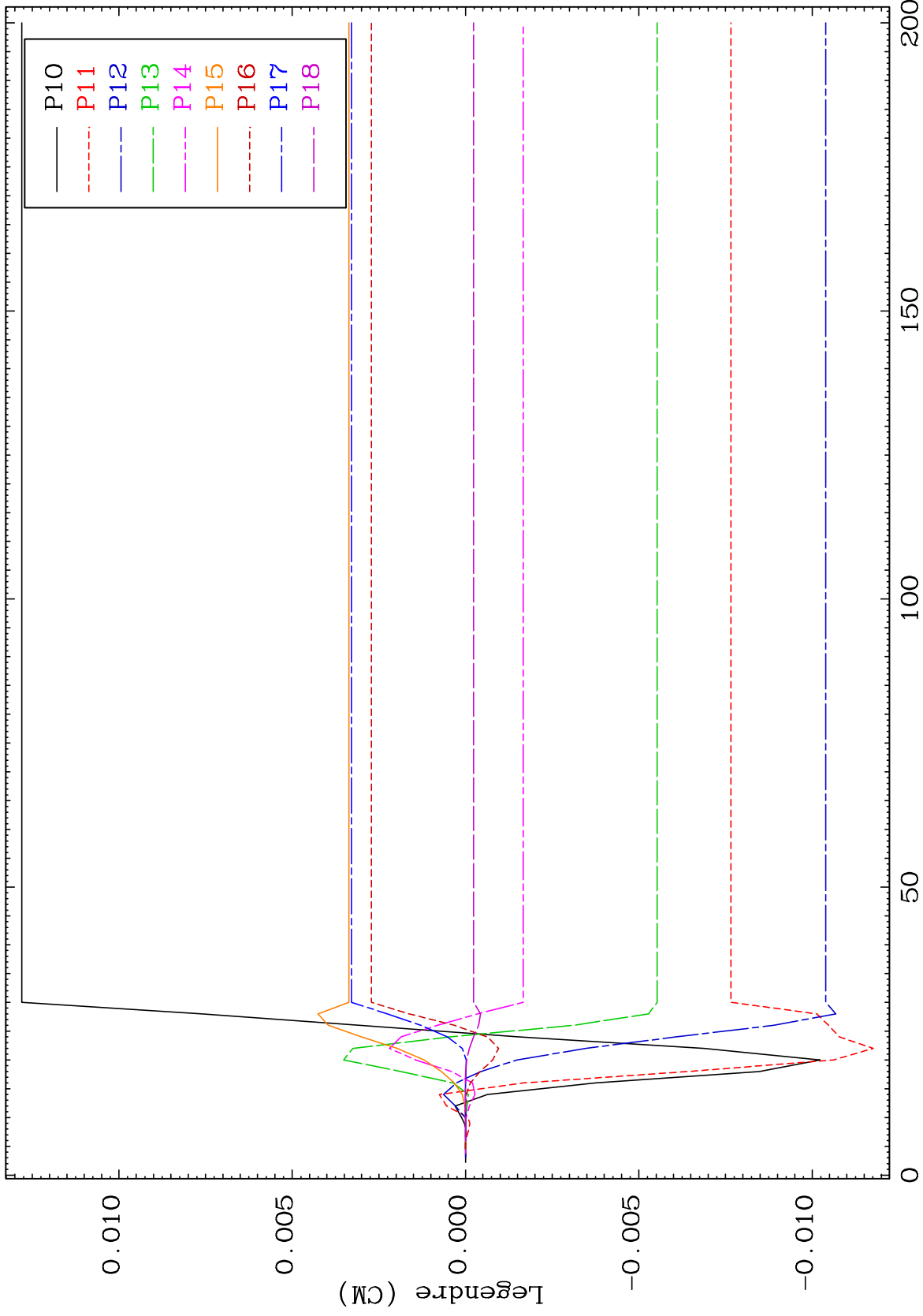




MAT 6986

1.594 MeV (n, n') Level  
Legendre Coefficients

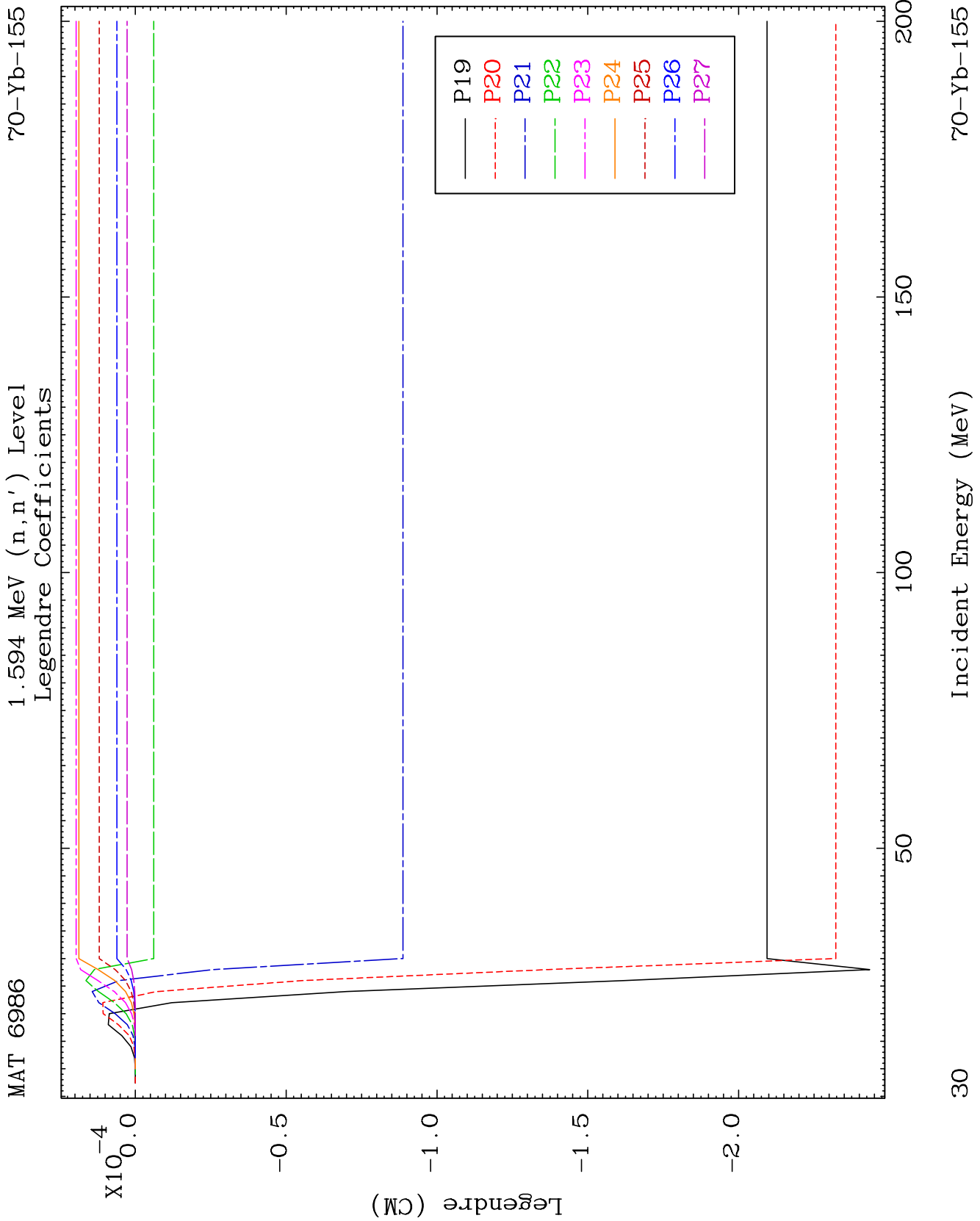
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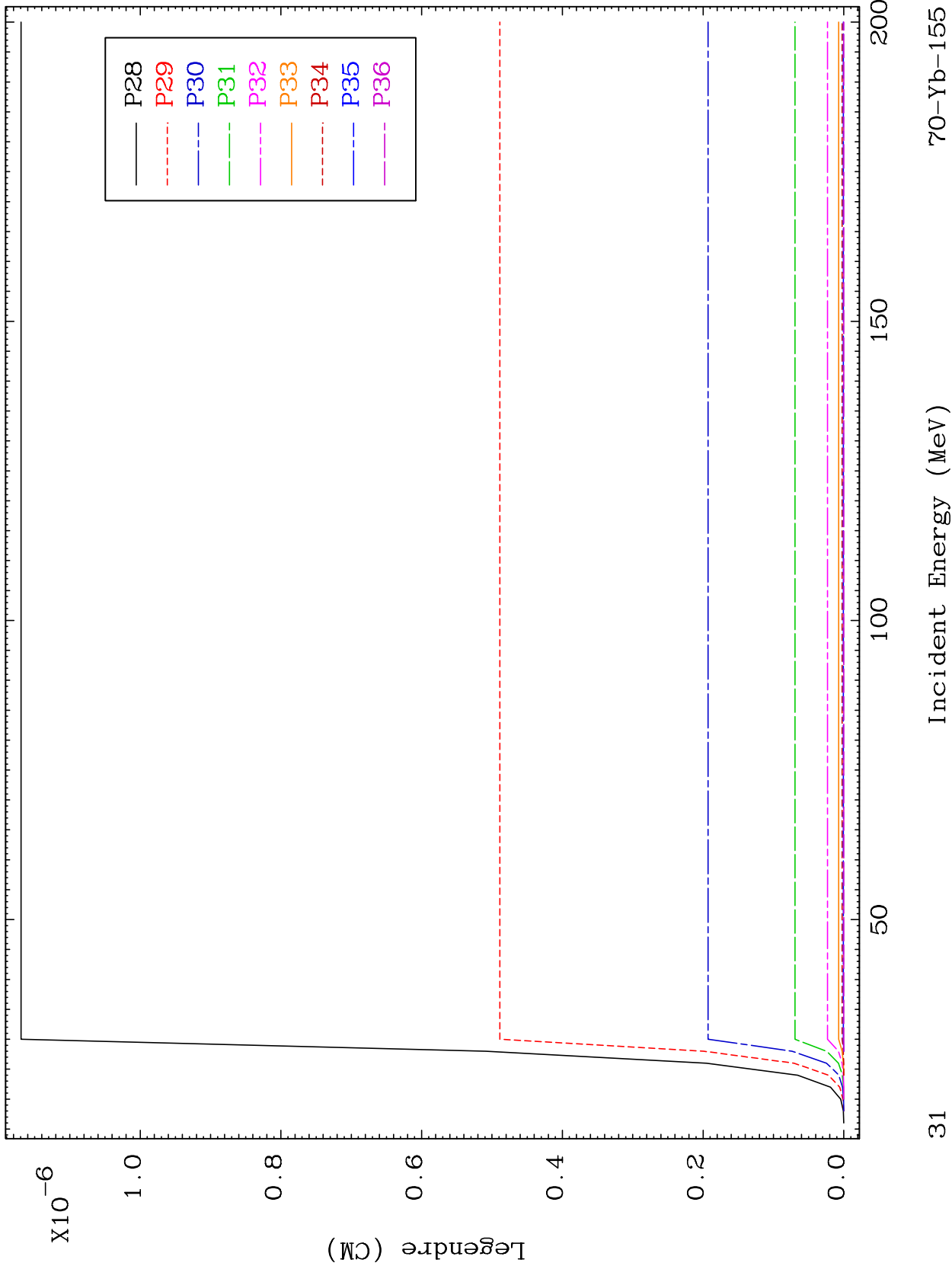


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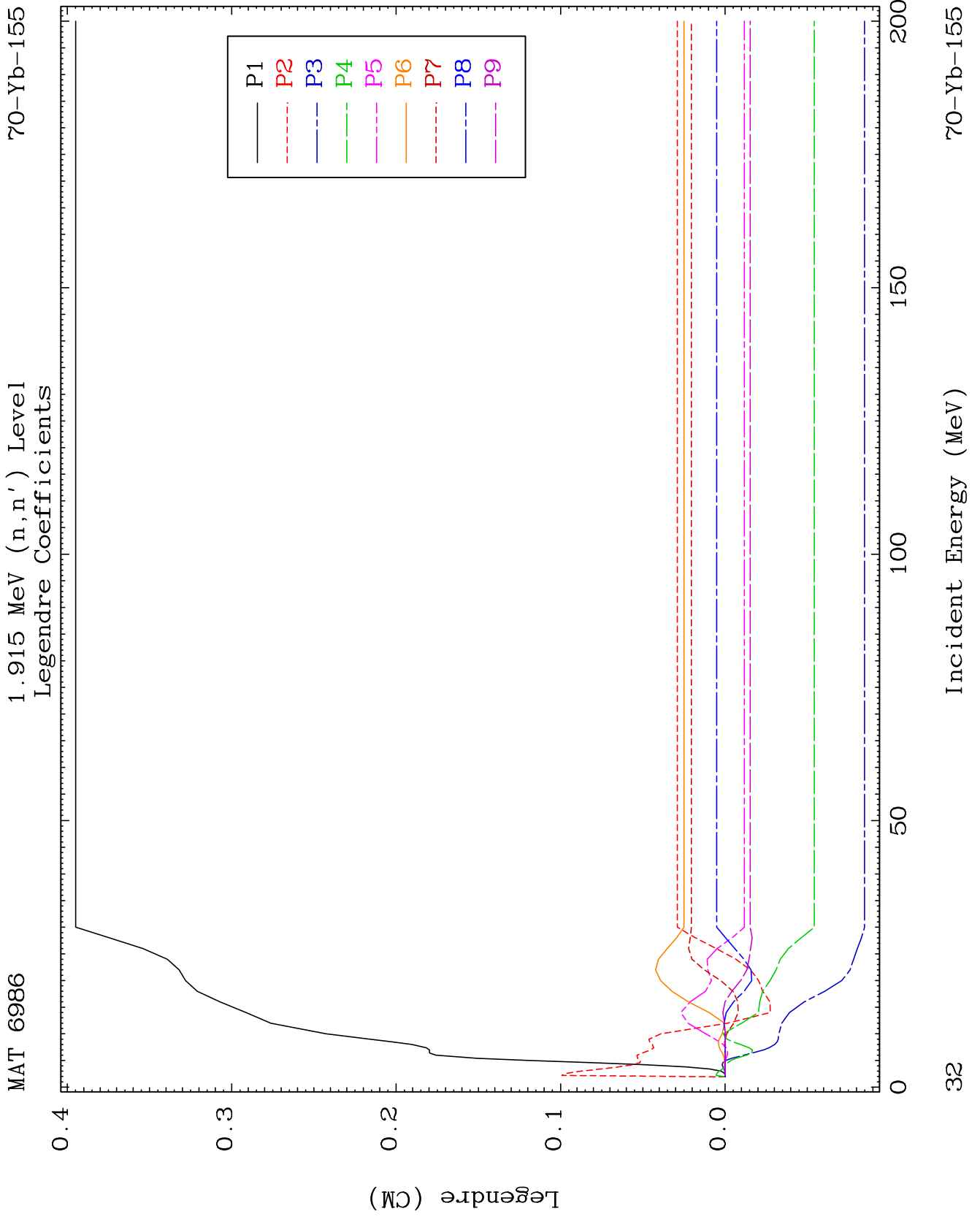
Incident Energy (MeV)

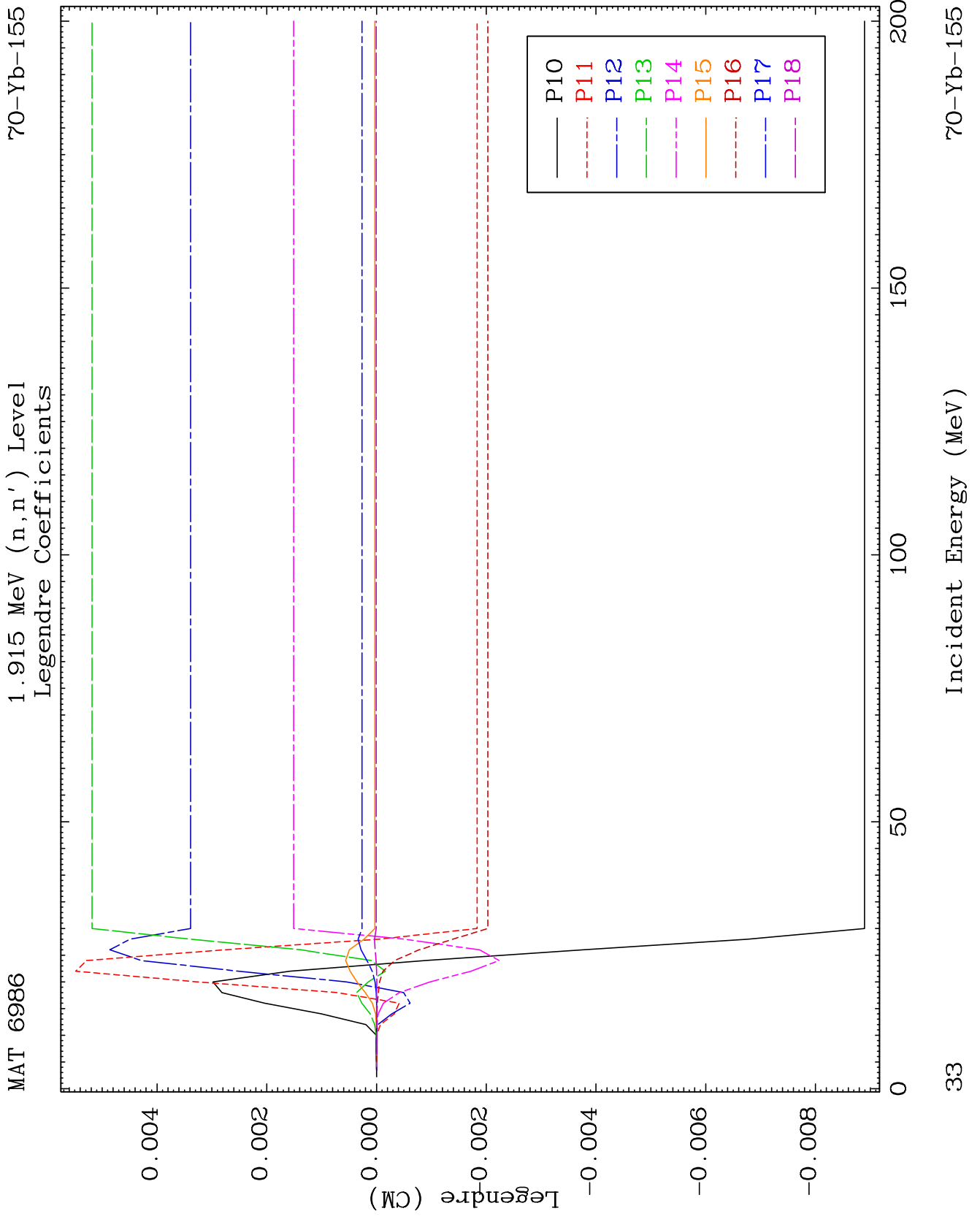
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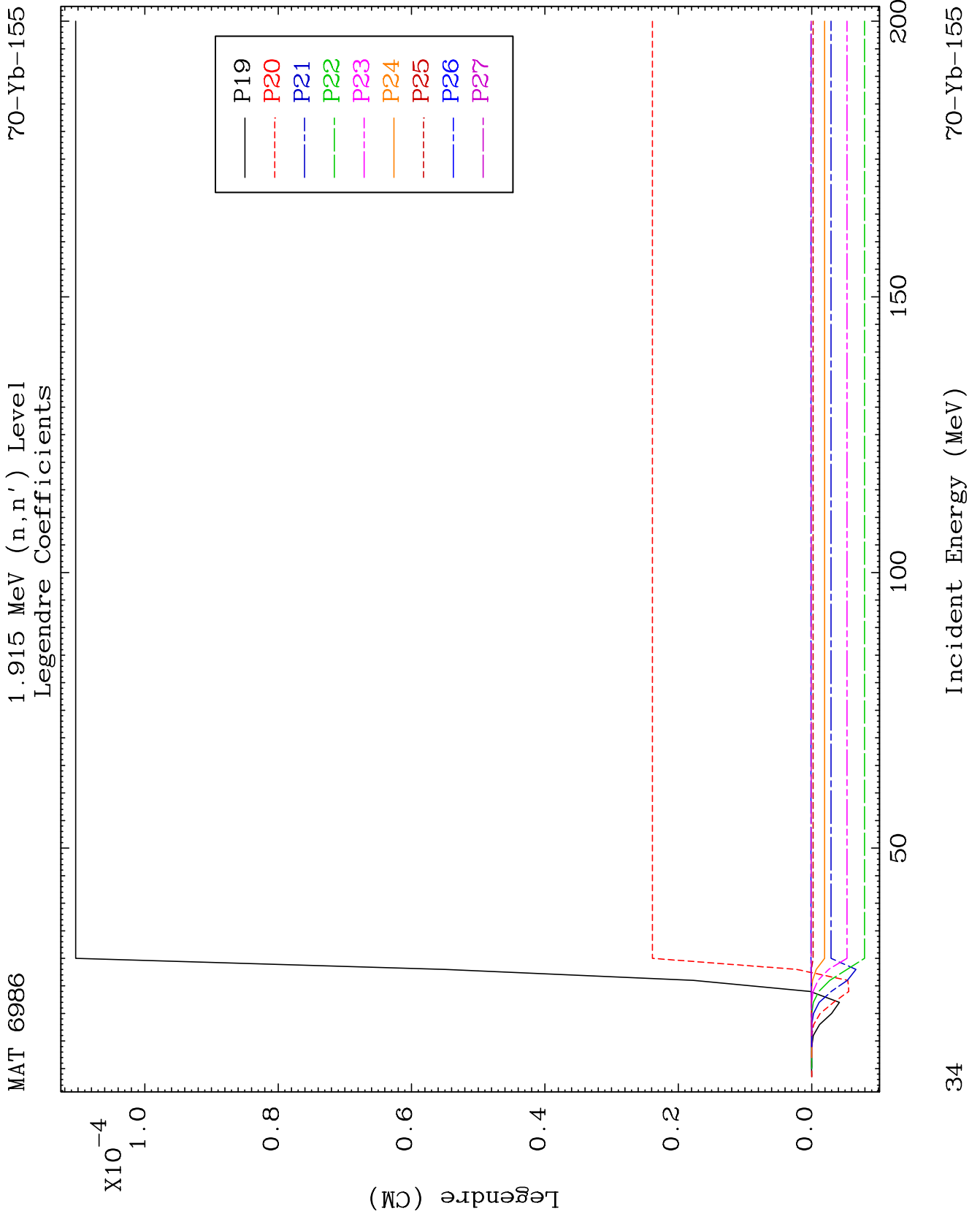




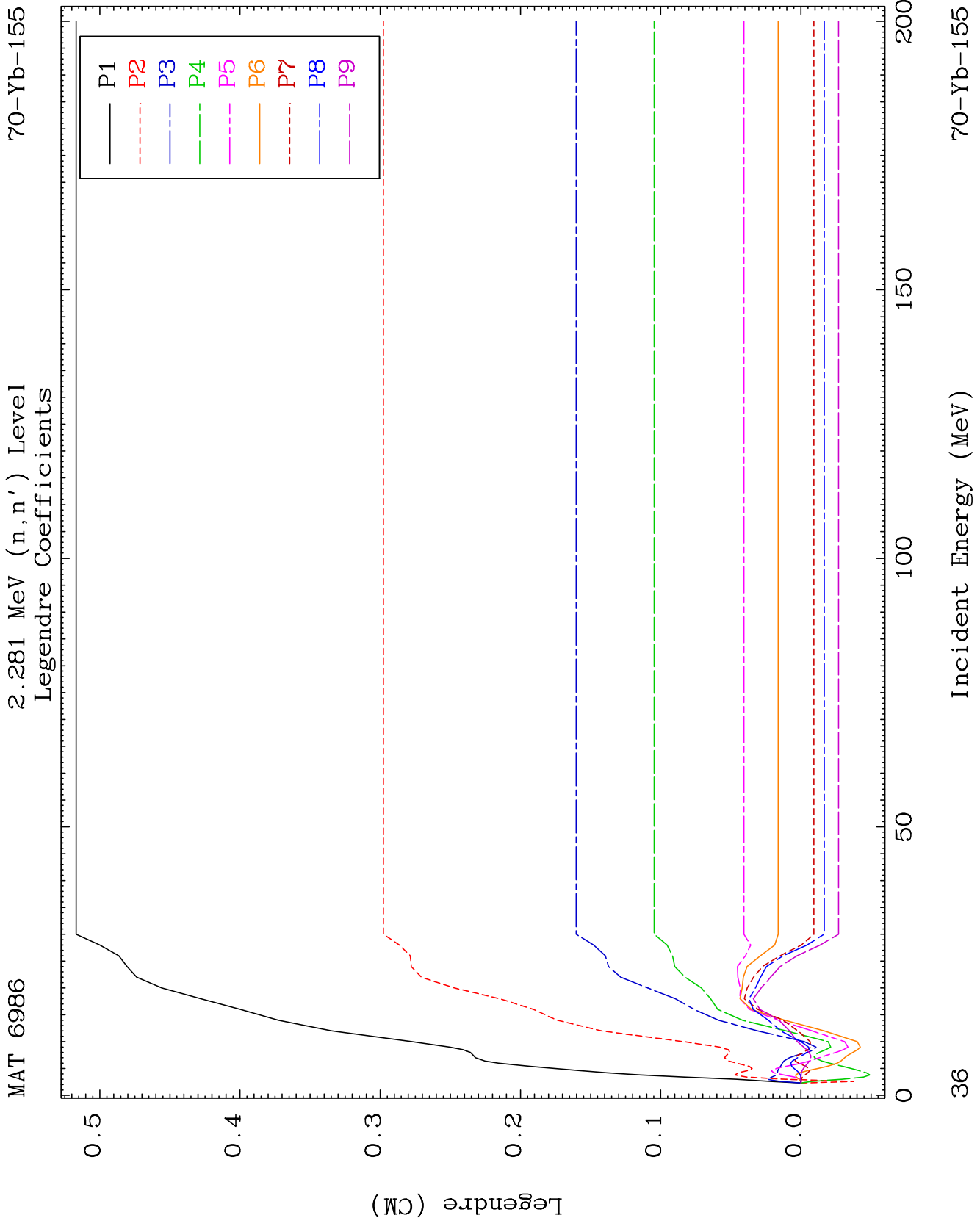








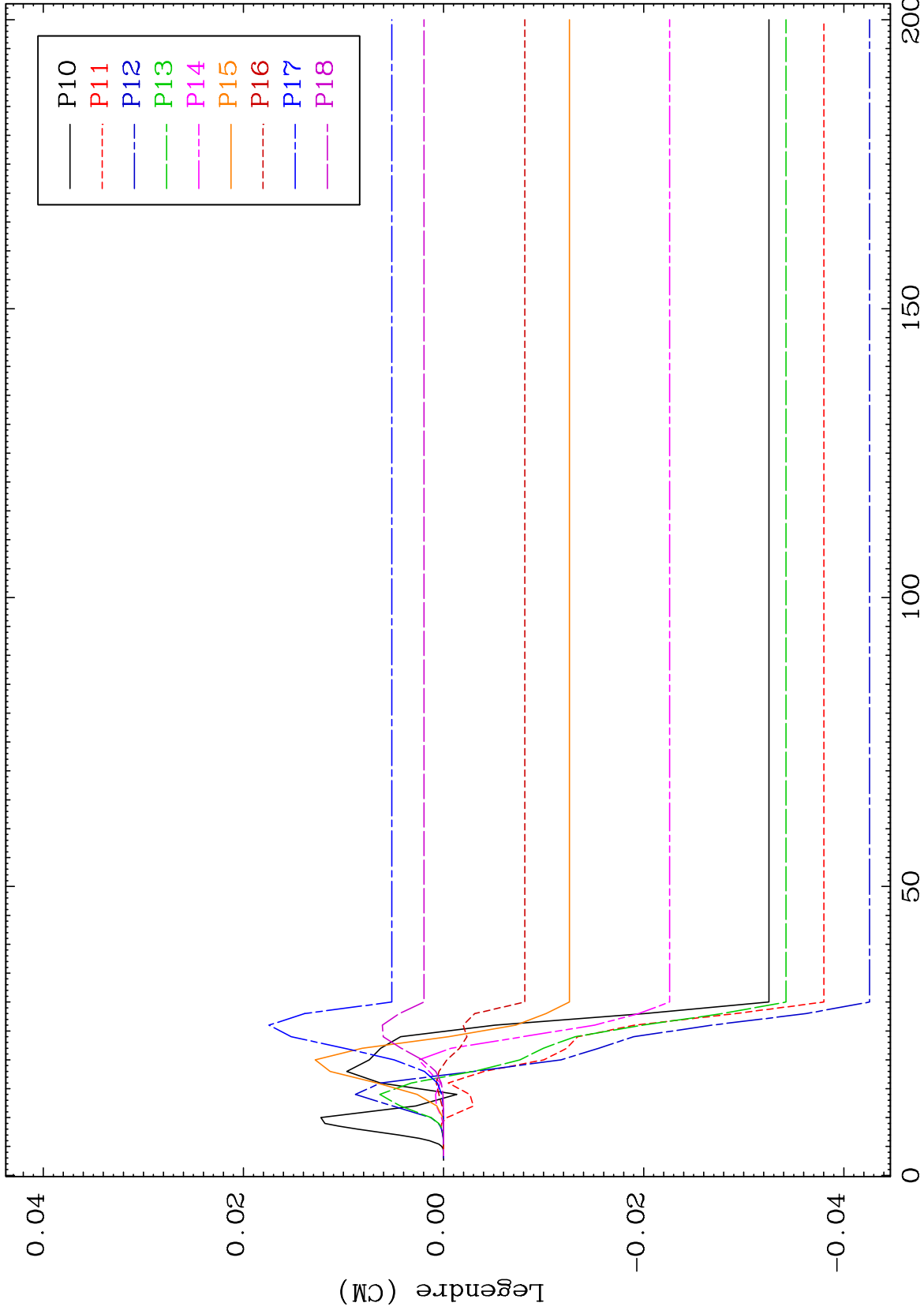




MAT 6986

2.281 MeV (n,n') Level  
Legendre Coefficients

70-Yb-155



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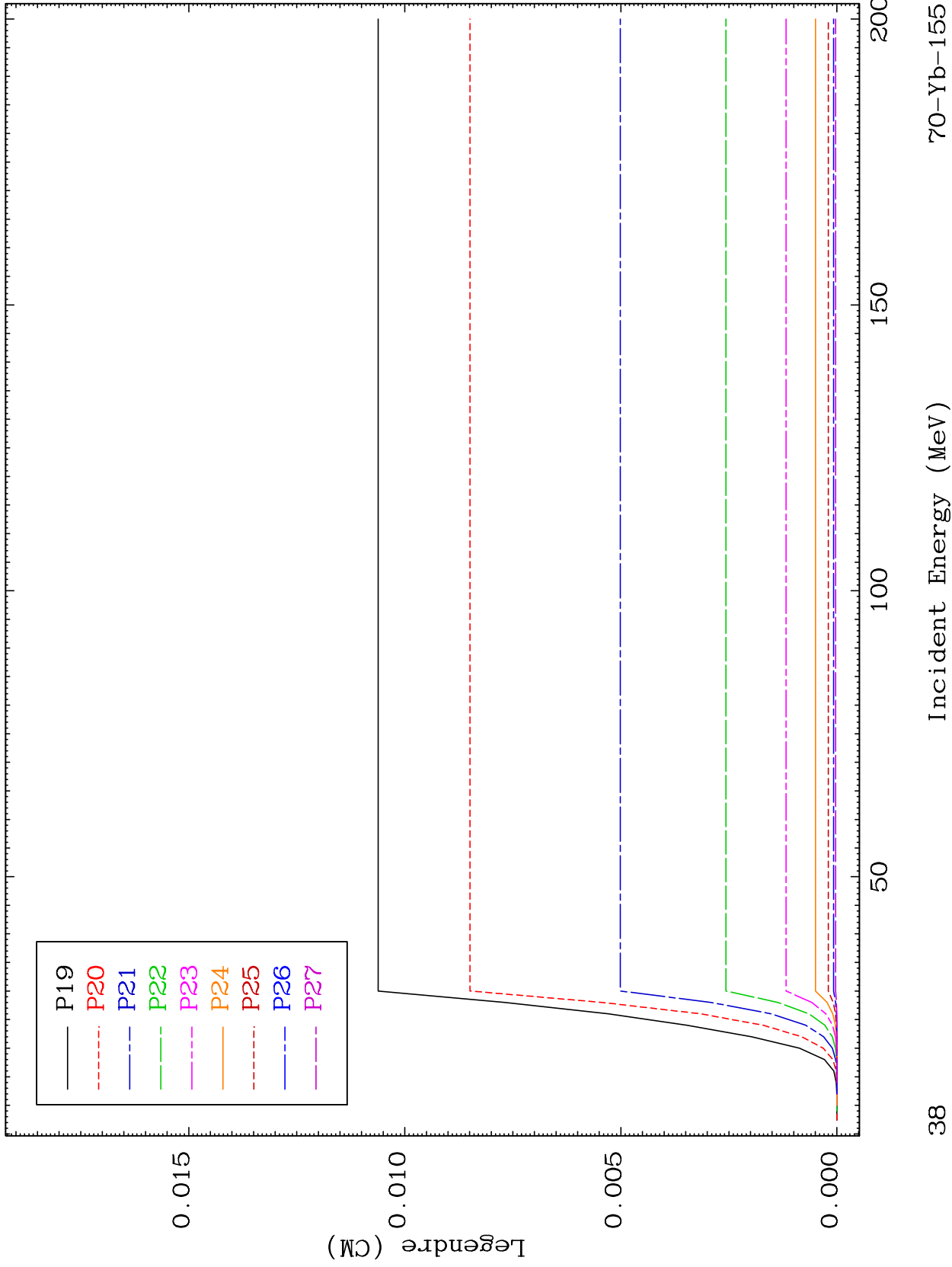
Incident Energy (MeV)

70-Yb-155

MAT 6986

2.281 MeV (n,n') Level  
Legendre Coefficients

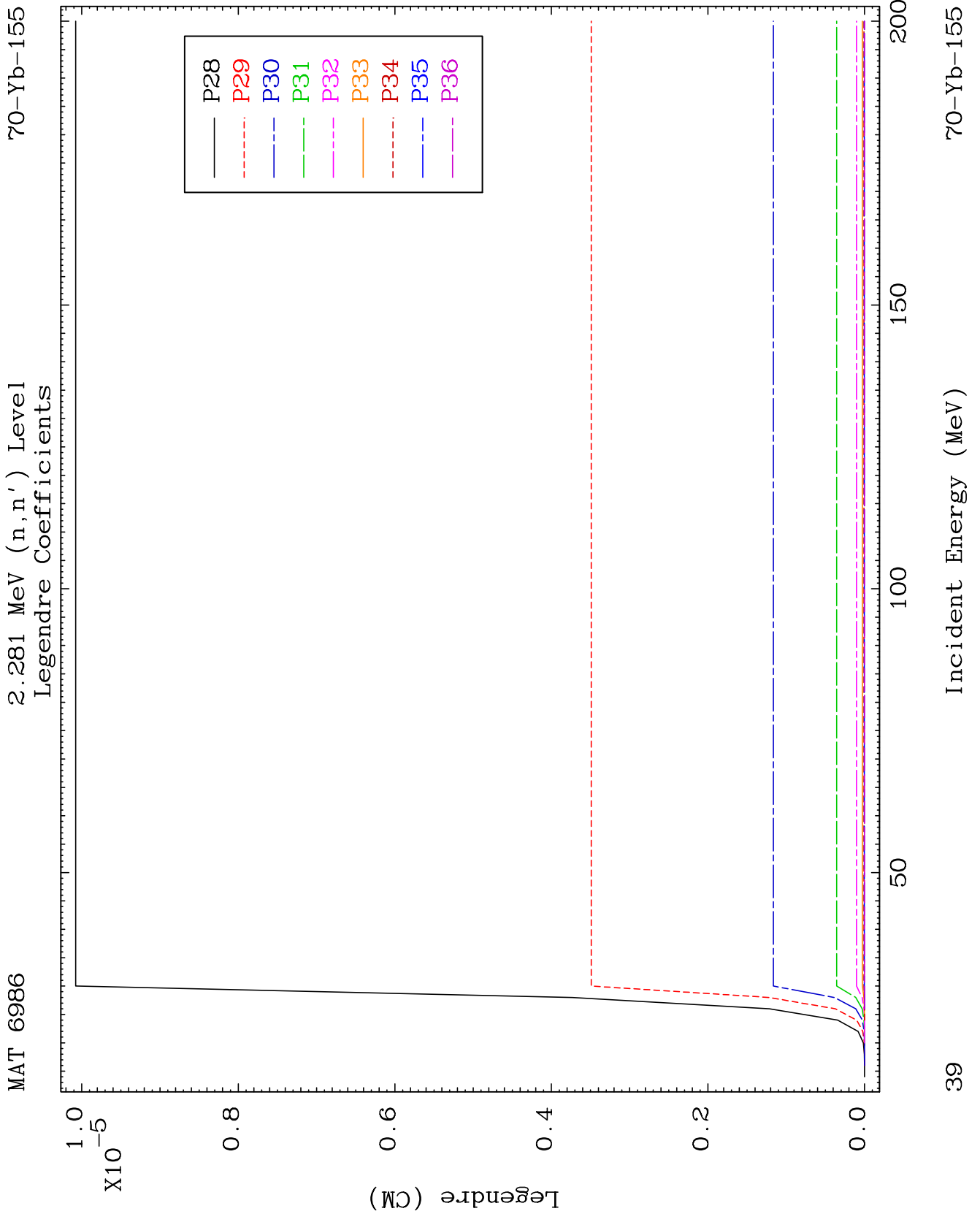
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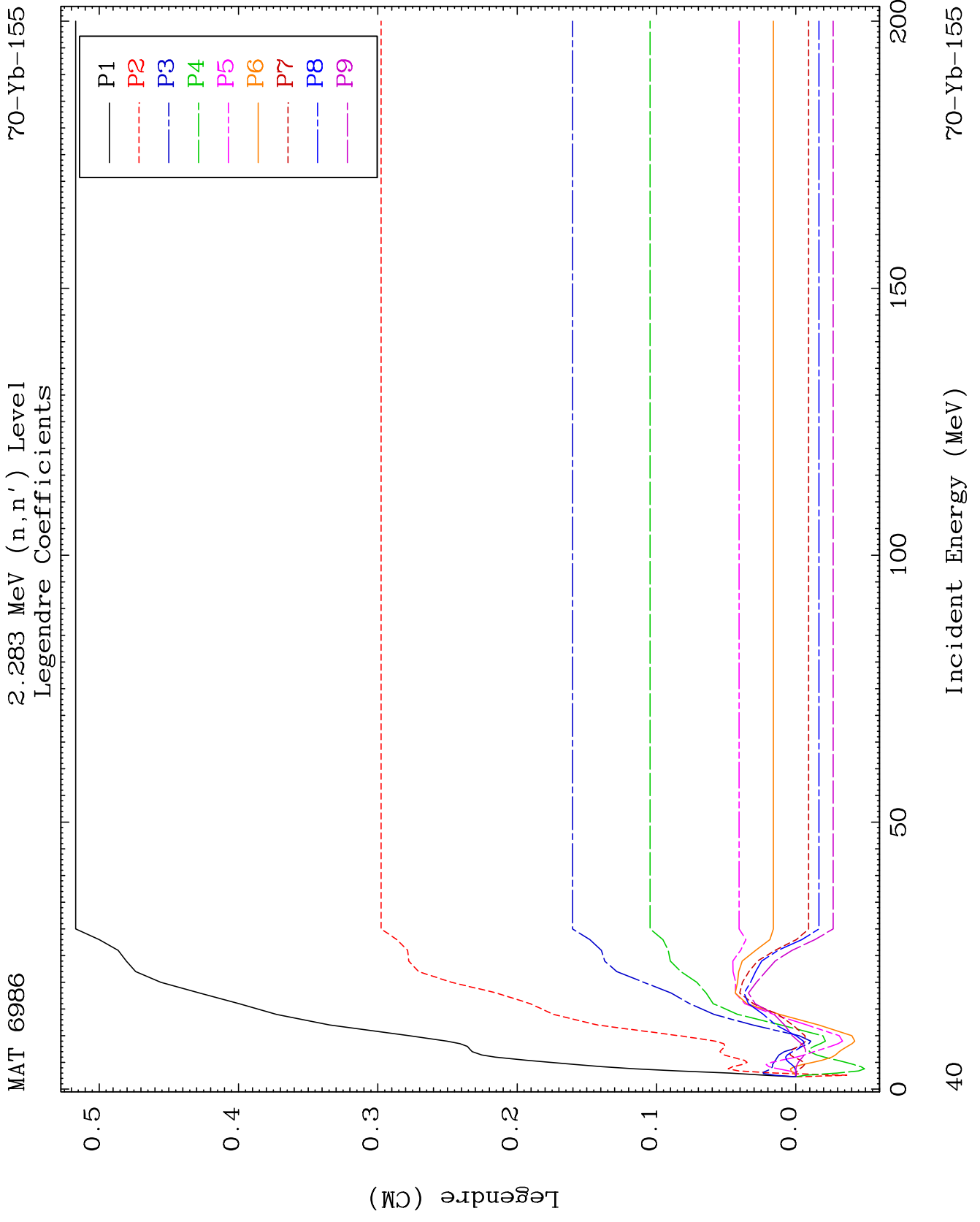
38

Incident Energy (MeV)

70-Yb-155



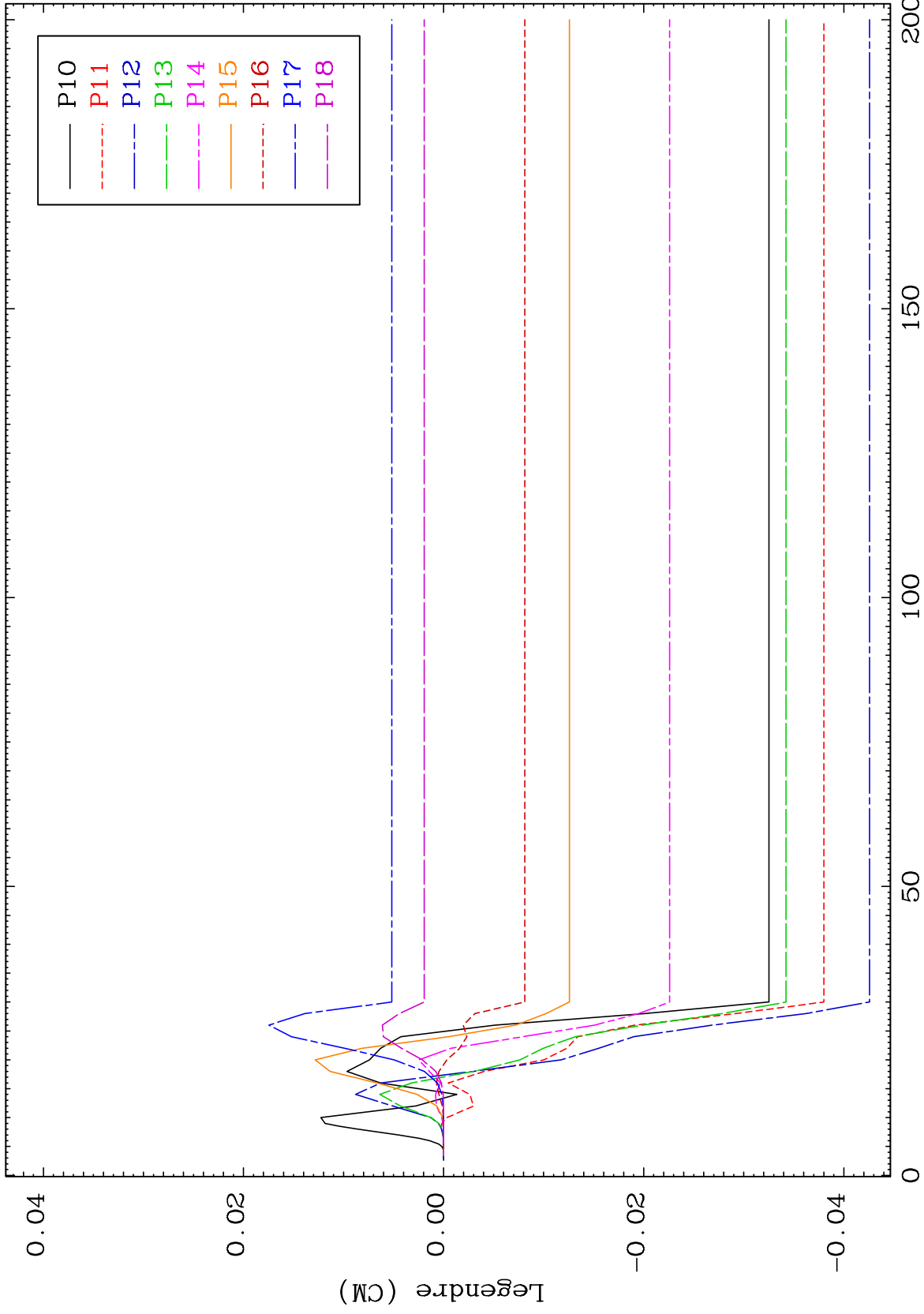




MAT 6986

2.283 MeV (n,n') Level  
Legendre Coefficients

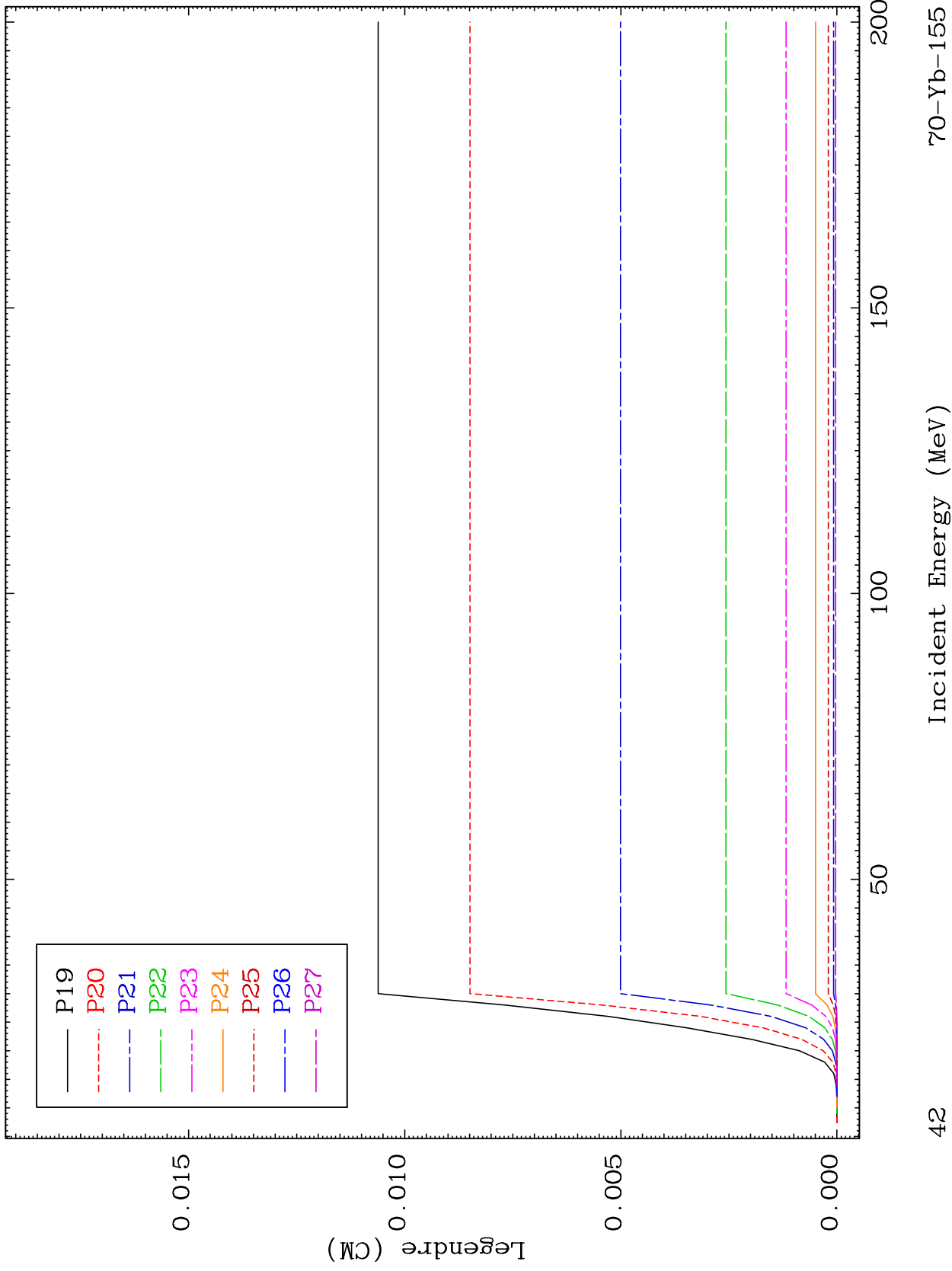
70-Yb-155



MAT 6986

2.283 MeV (n,n') Level  
Legendre Coefficients

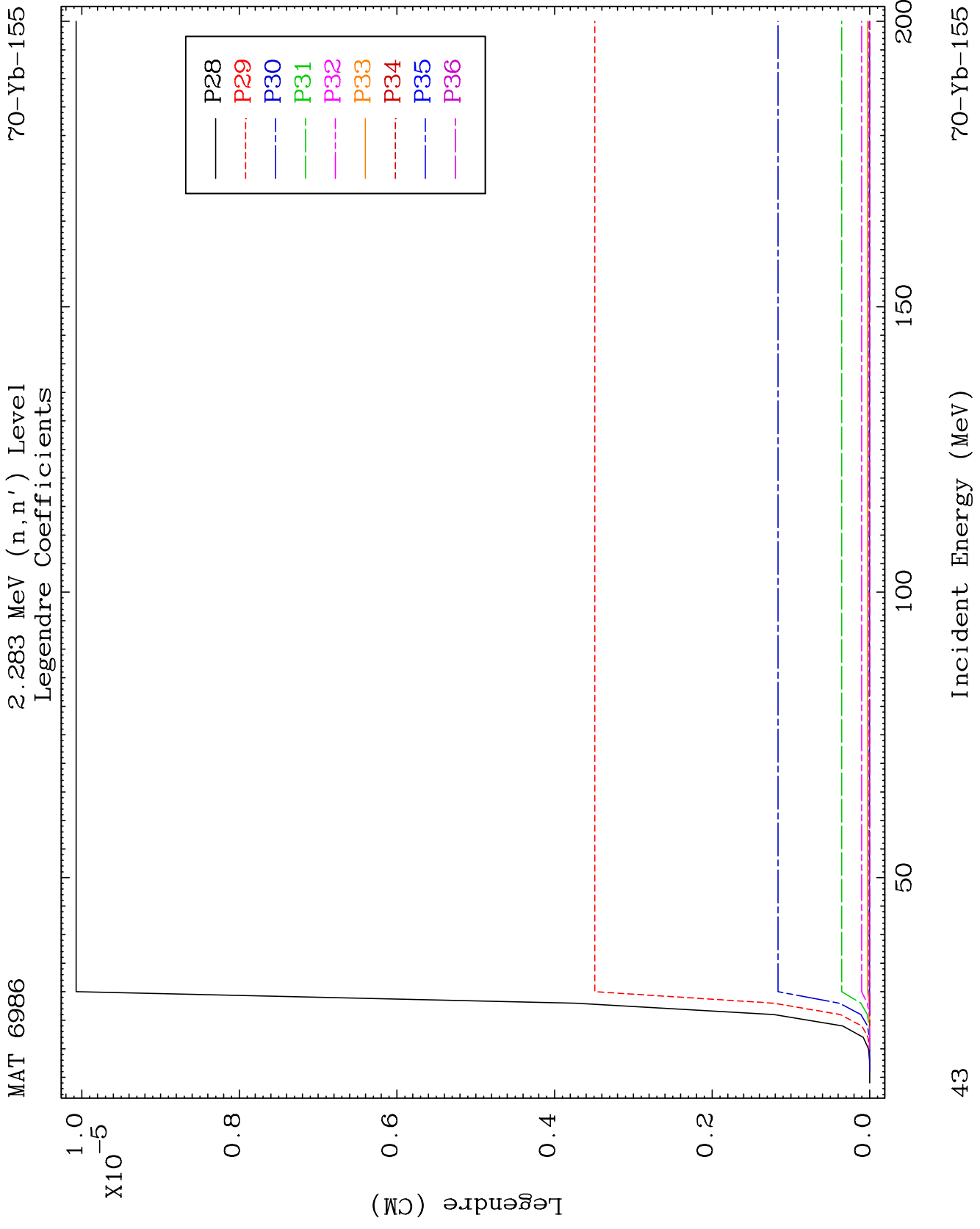
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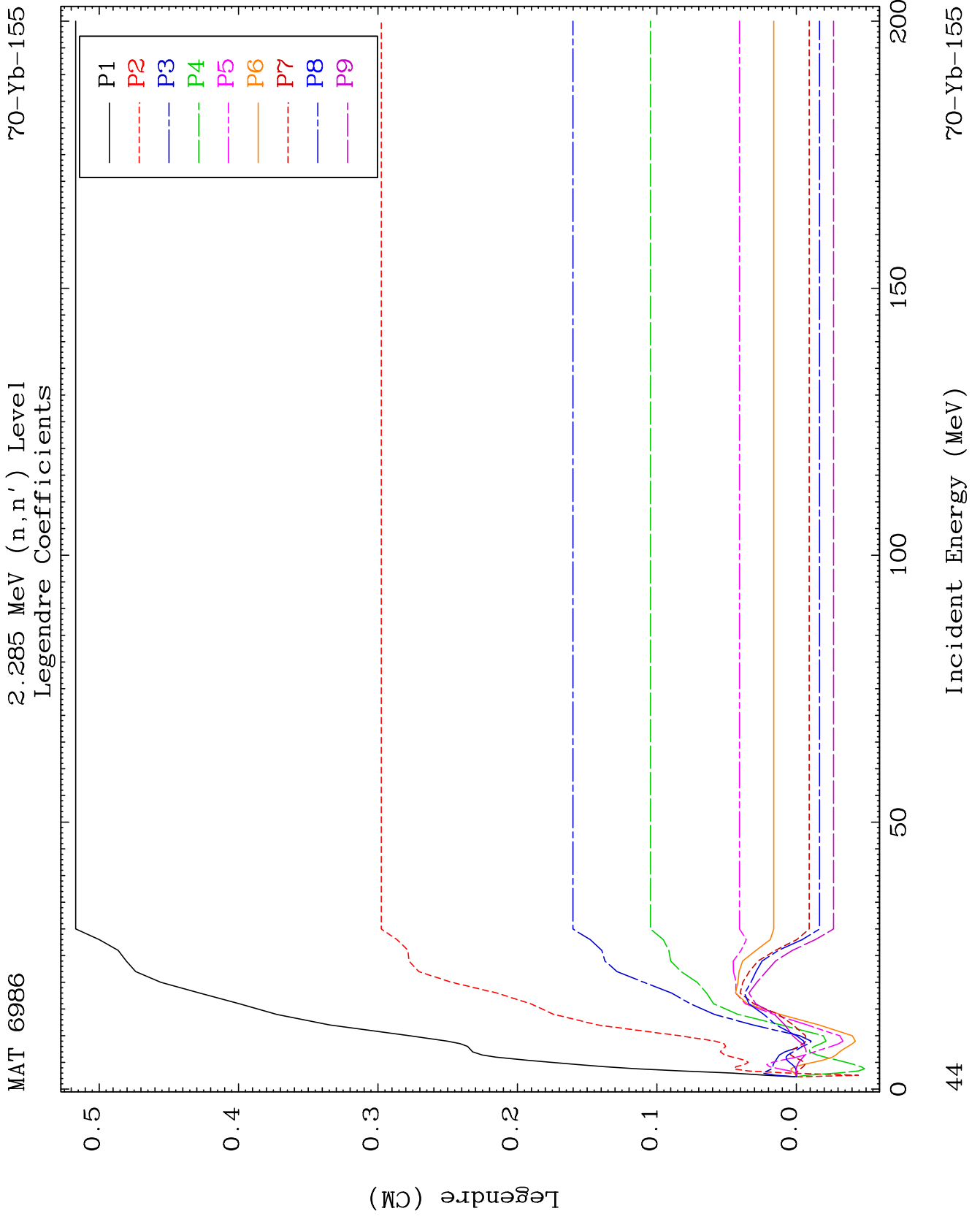


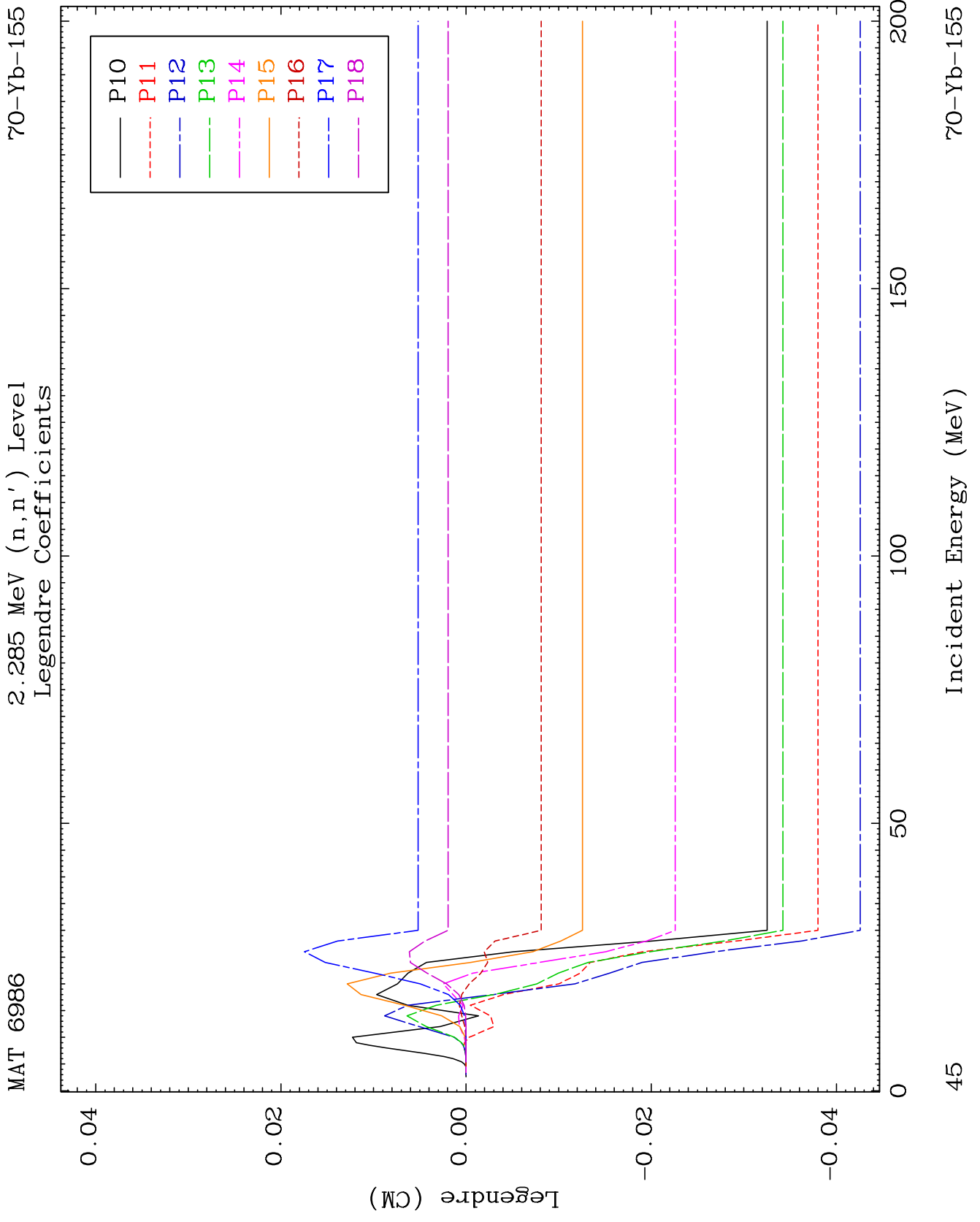
42

Incident Energy (MeV)

70-Yb-155



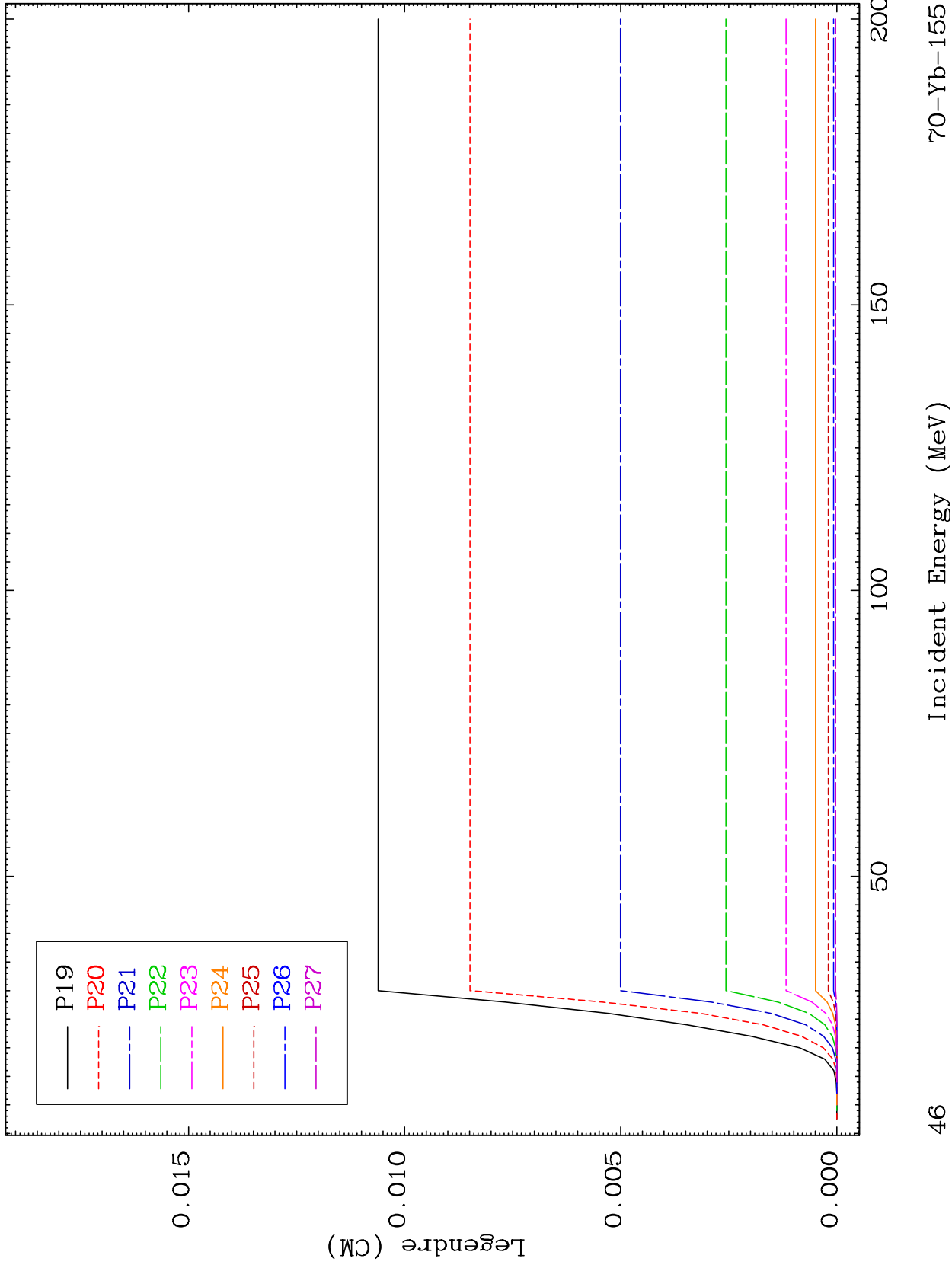




MAT 6986

2.285 MeV (n, n') Level  
Legendre Coefficients

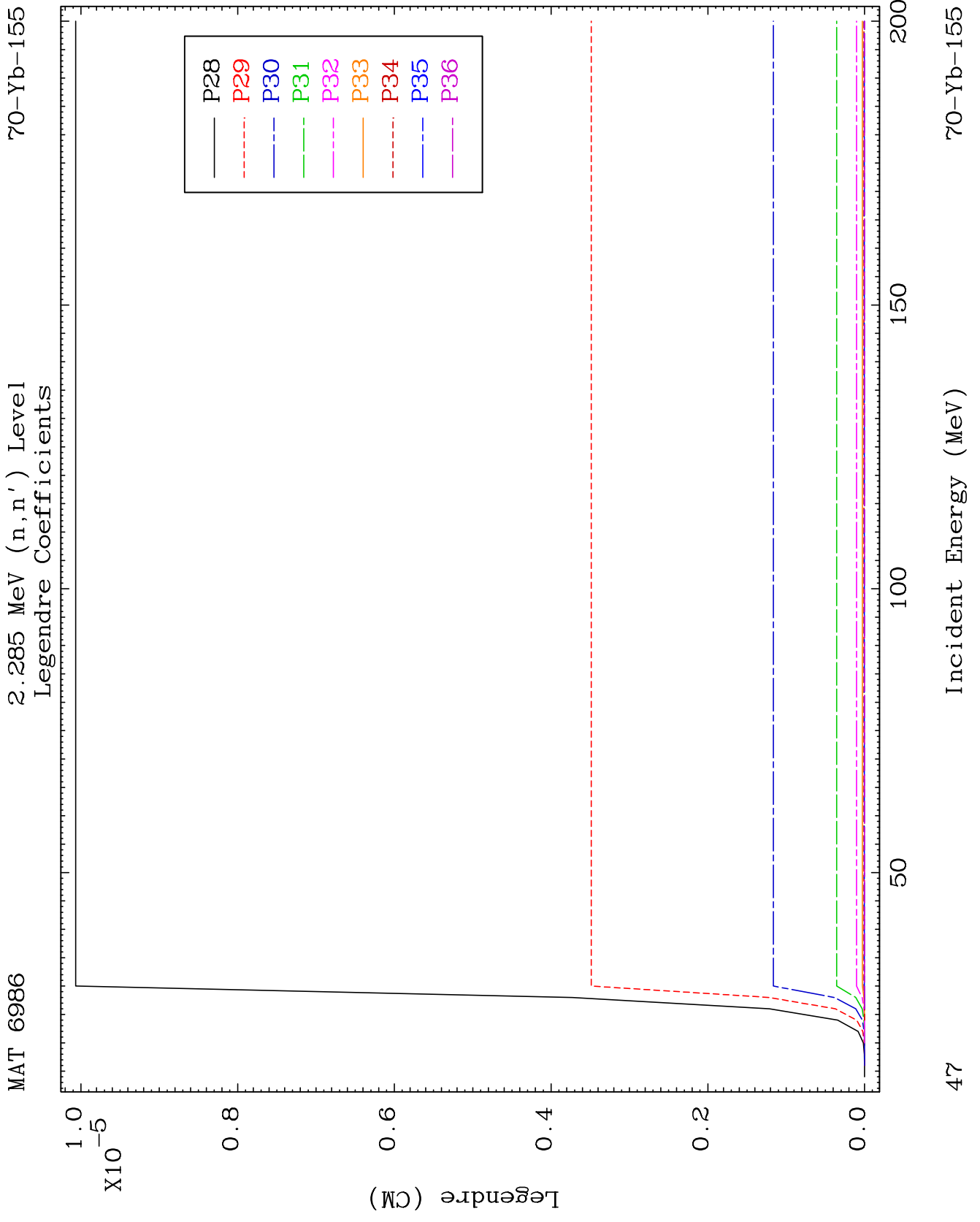
70-Yb-155



46

Incident Energy (MeV)

70-Yb-155

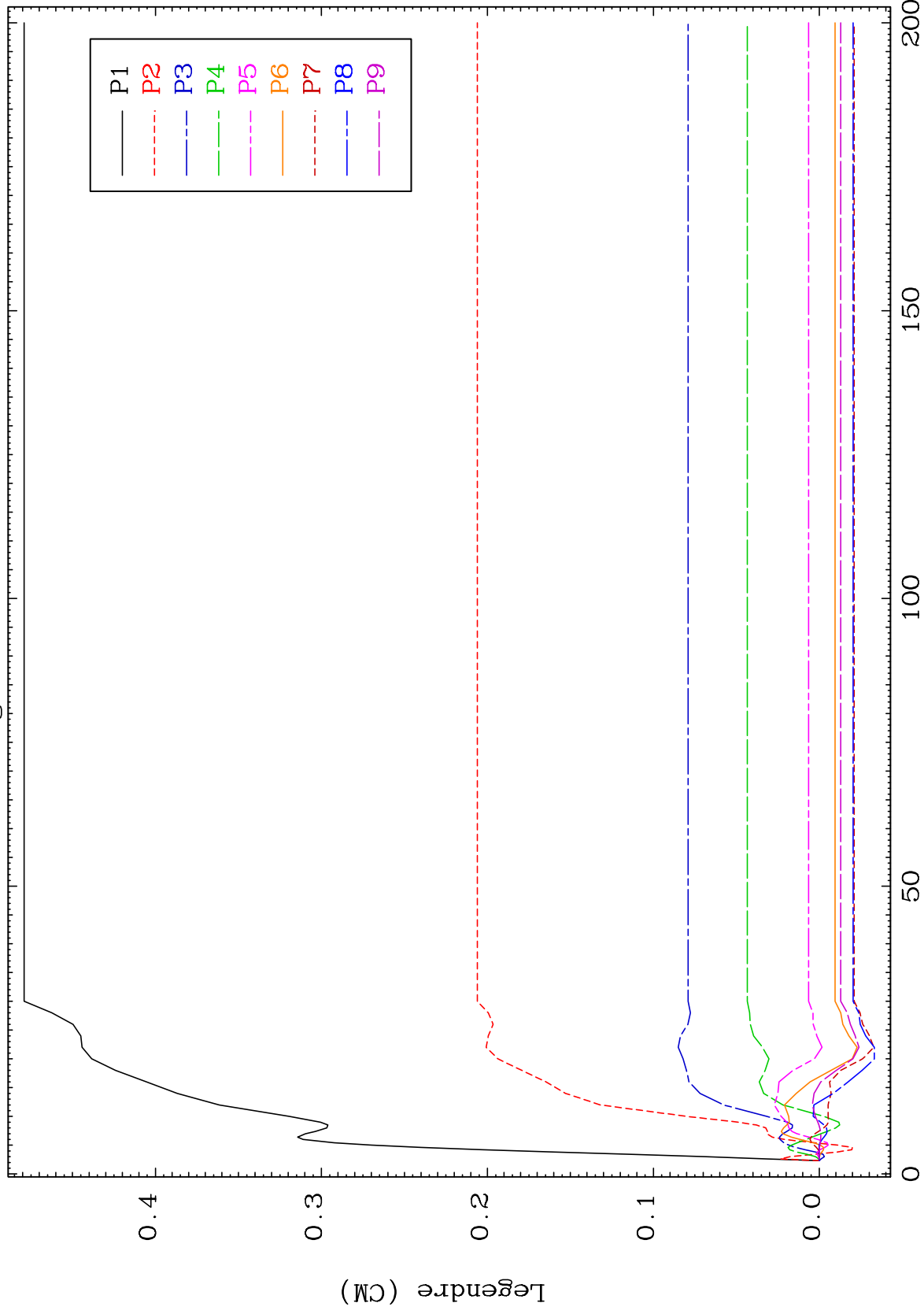




MAT 6986

2.286 MeV (n,n') Level  
Legendre Coefficients

70-Yb-155



48

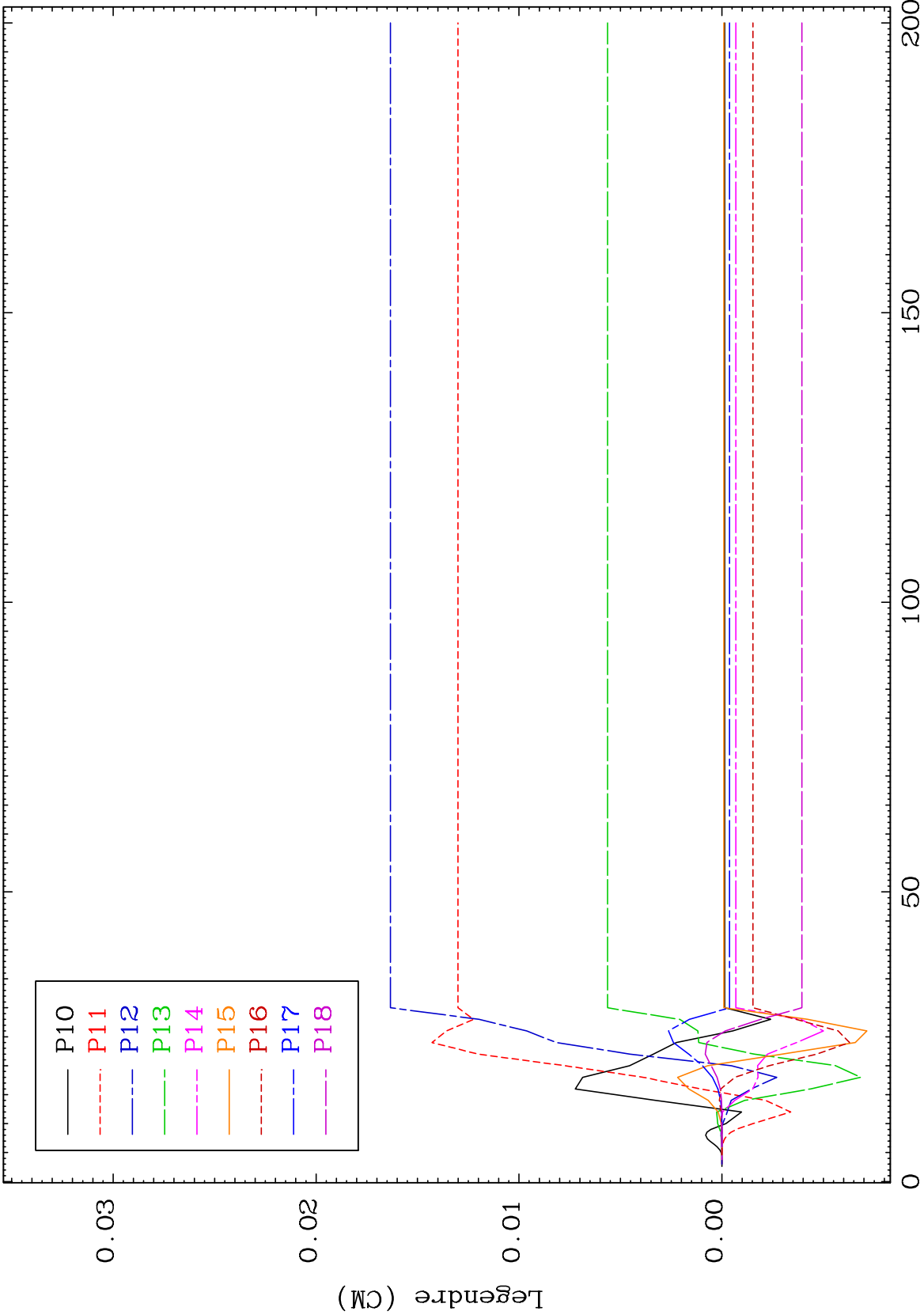
Incident Energy (MeV)

70-Yb-155

MAT 6986

2.286 MeV (n,n') Level  
Legendre Coefficients

70-Yb-155



49

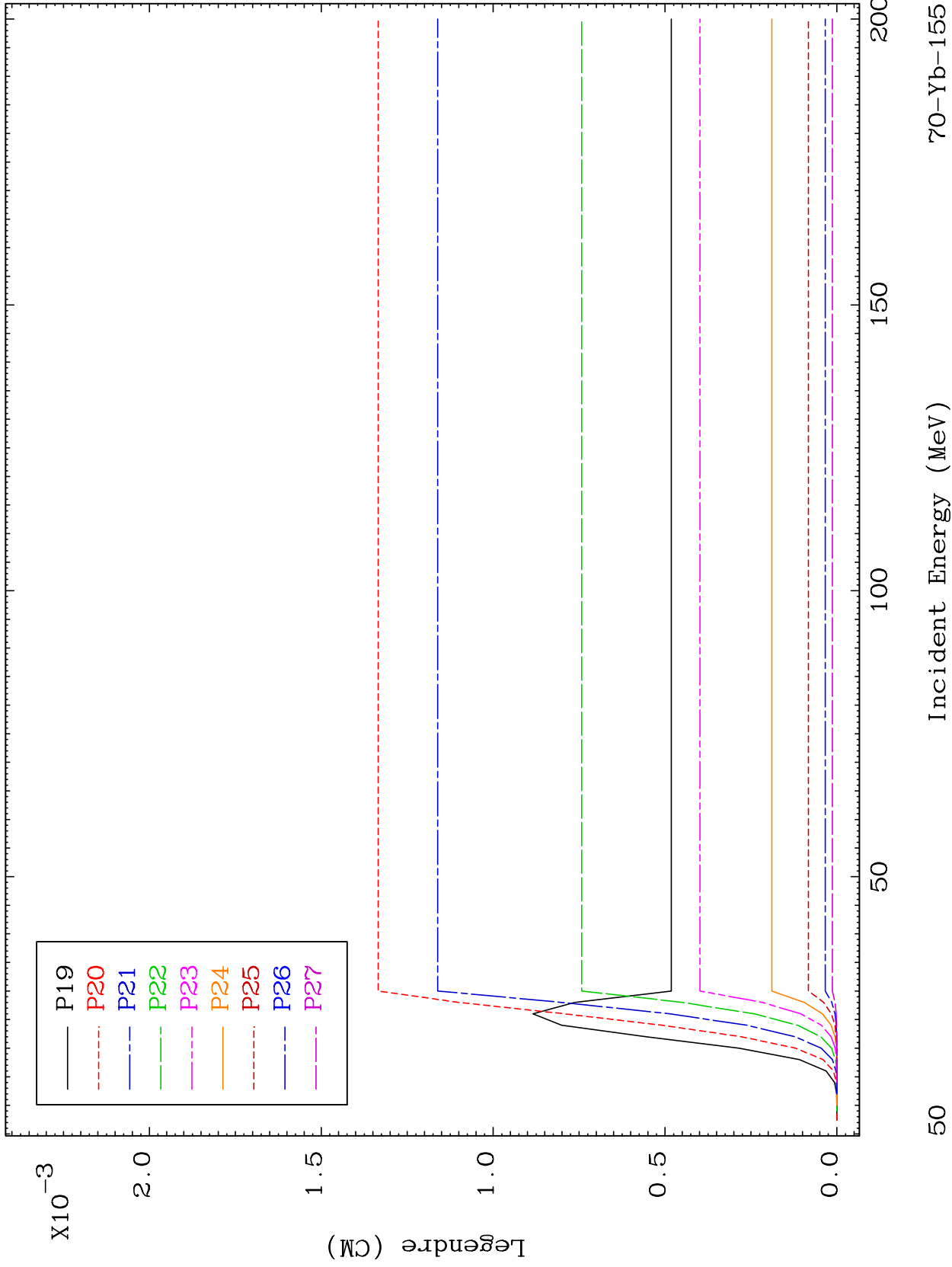
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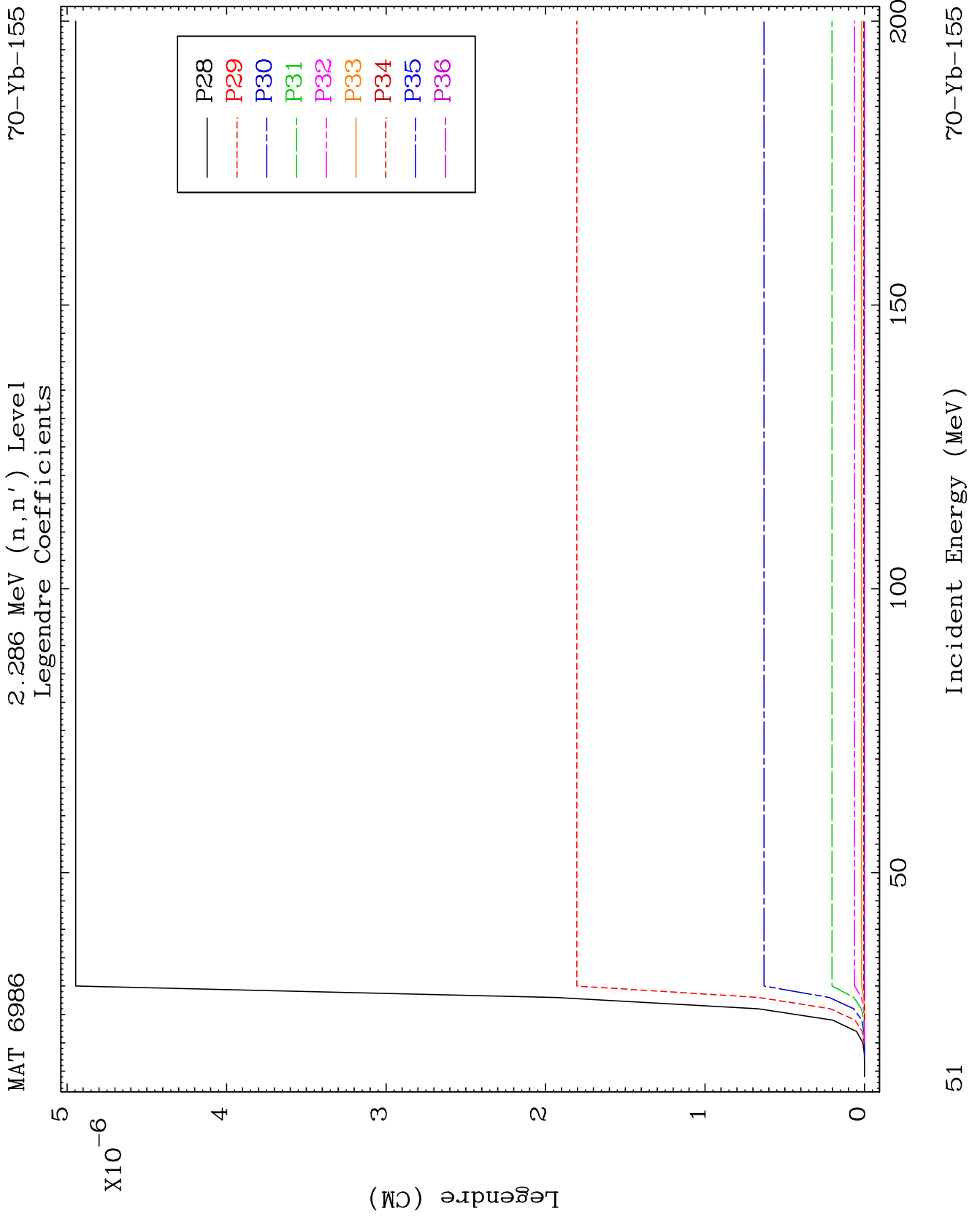
70-Yb-155

MAT 6986

2.286 MeV (n, n') Level  
Legendre Coefficients

70-Yb-155

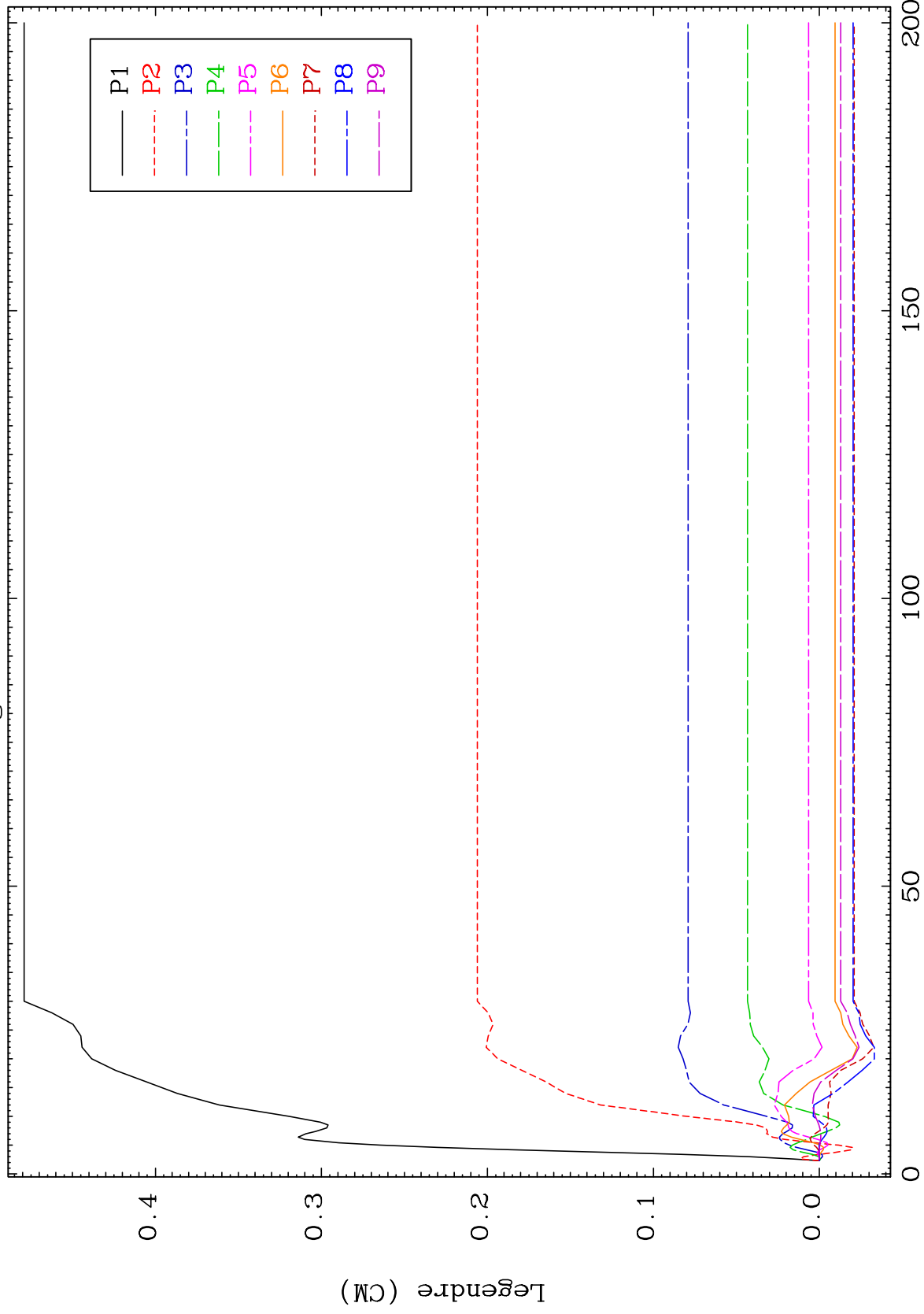




MAT 6986

2.288 MeV (n,n') Level  
Legendre Coefficients

70-Yb-155



Incident Energy (MeV)

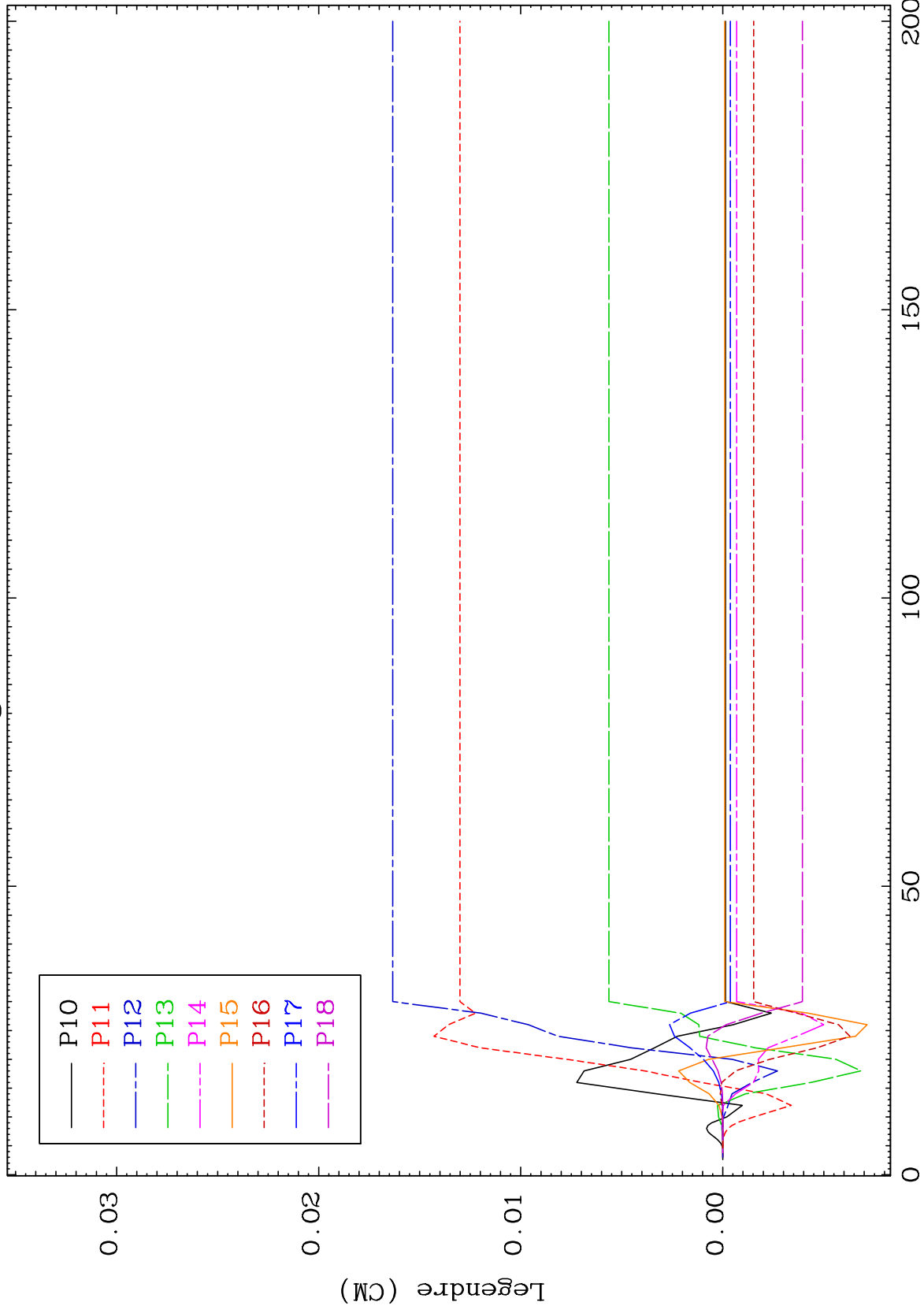
70-Yb-155

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MAT 6986

2.288 MeV (n,n') Level  
Legendre Coefficients

70-Yb-155



53

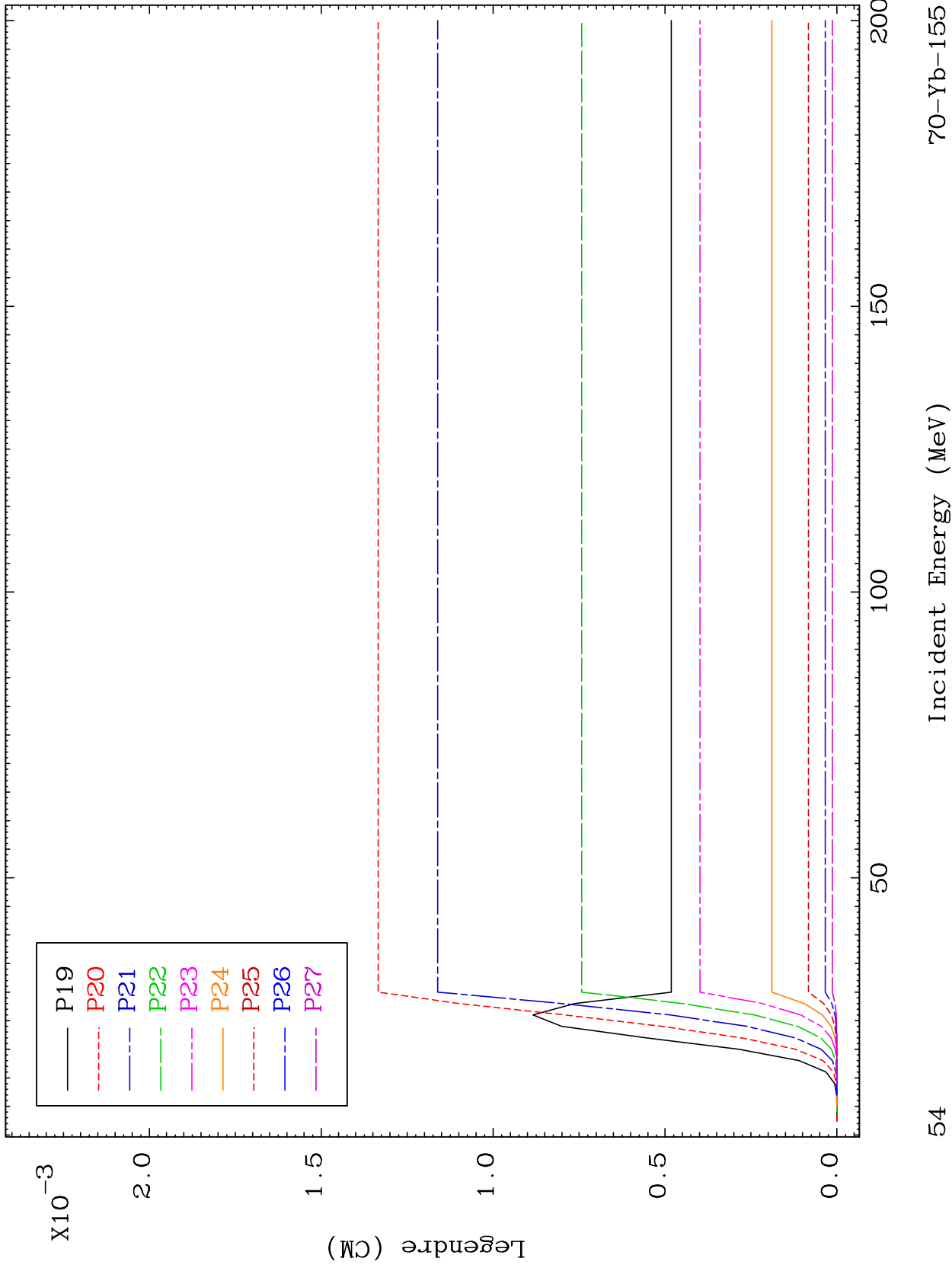
Incident Energy (MeV)

70-Yb-155

MAT 6986

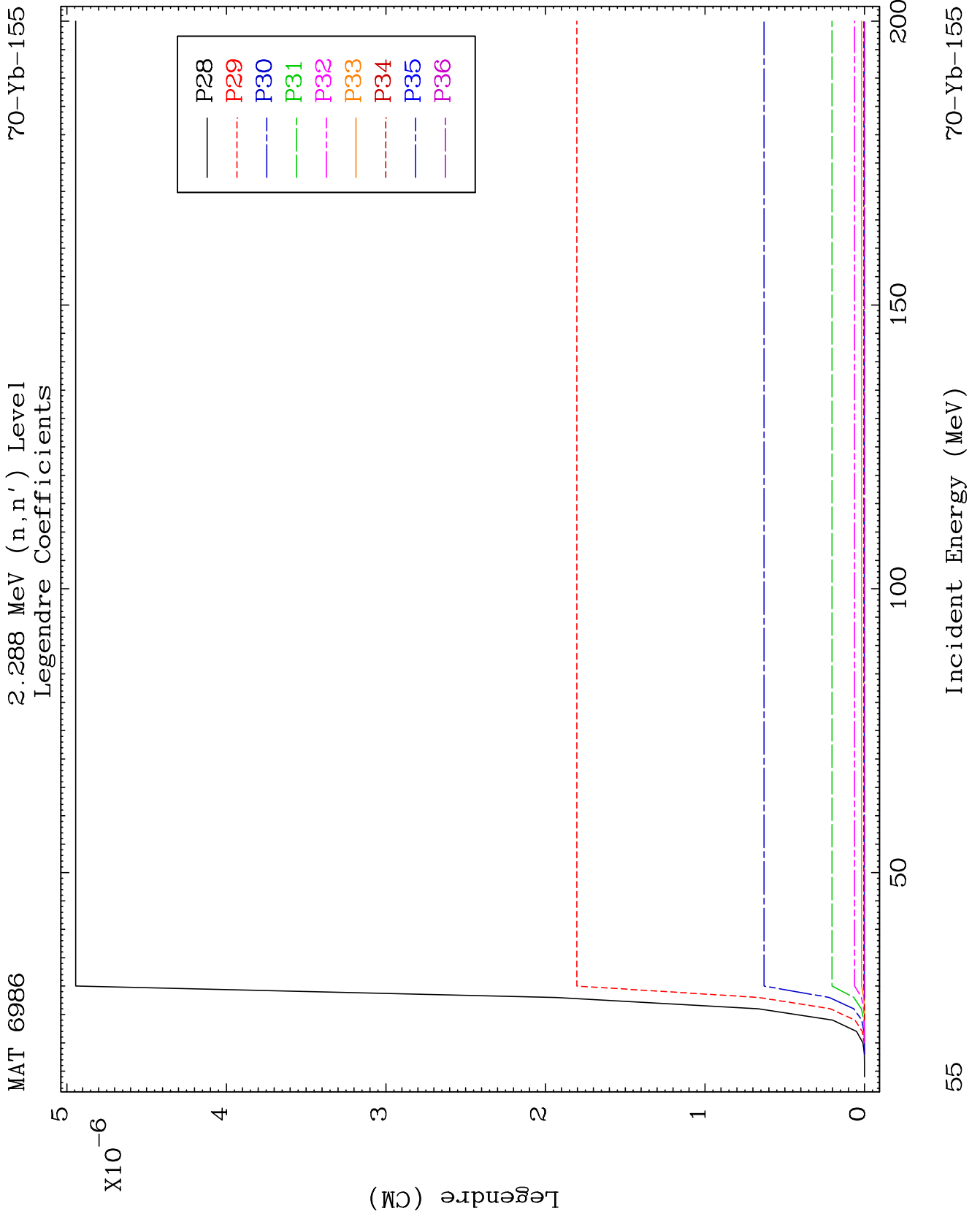
2.288 MeV (n, n') Level  
Legendre Coefficients

70-Yb-155

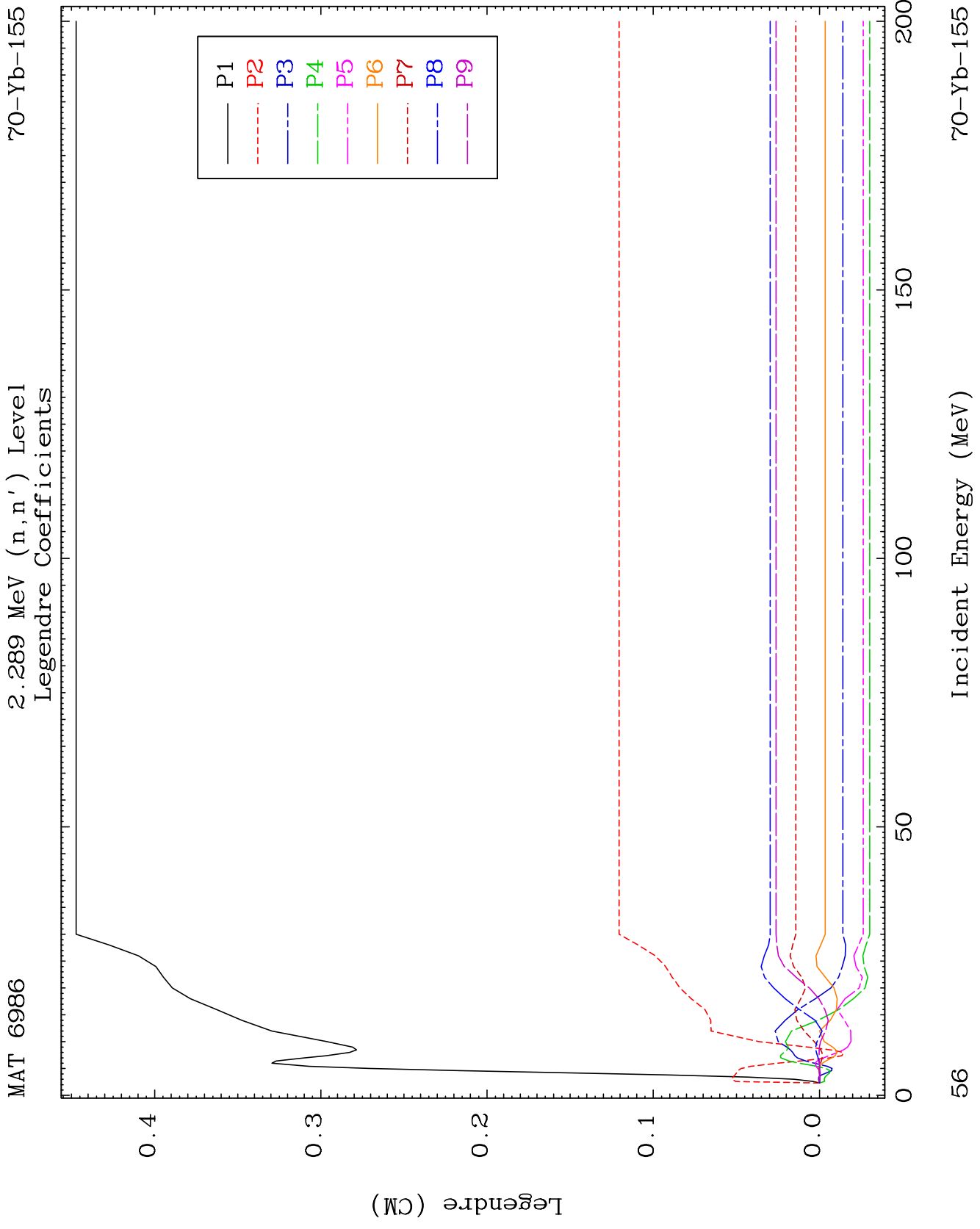


54

70-Yb-155



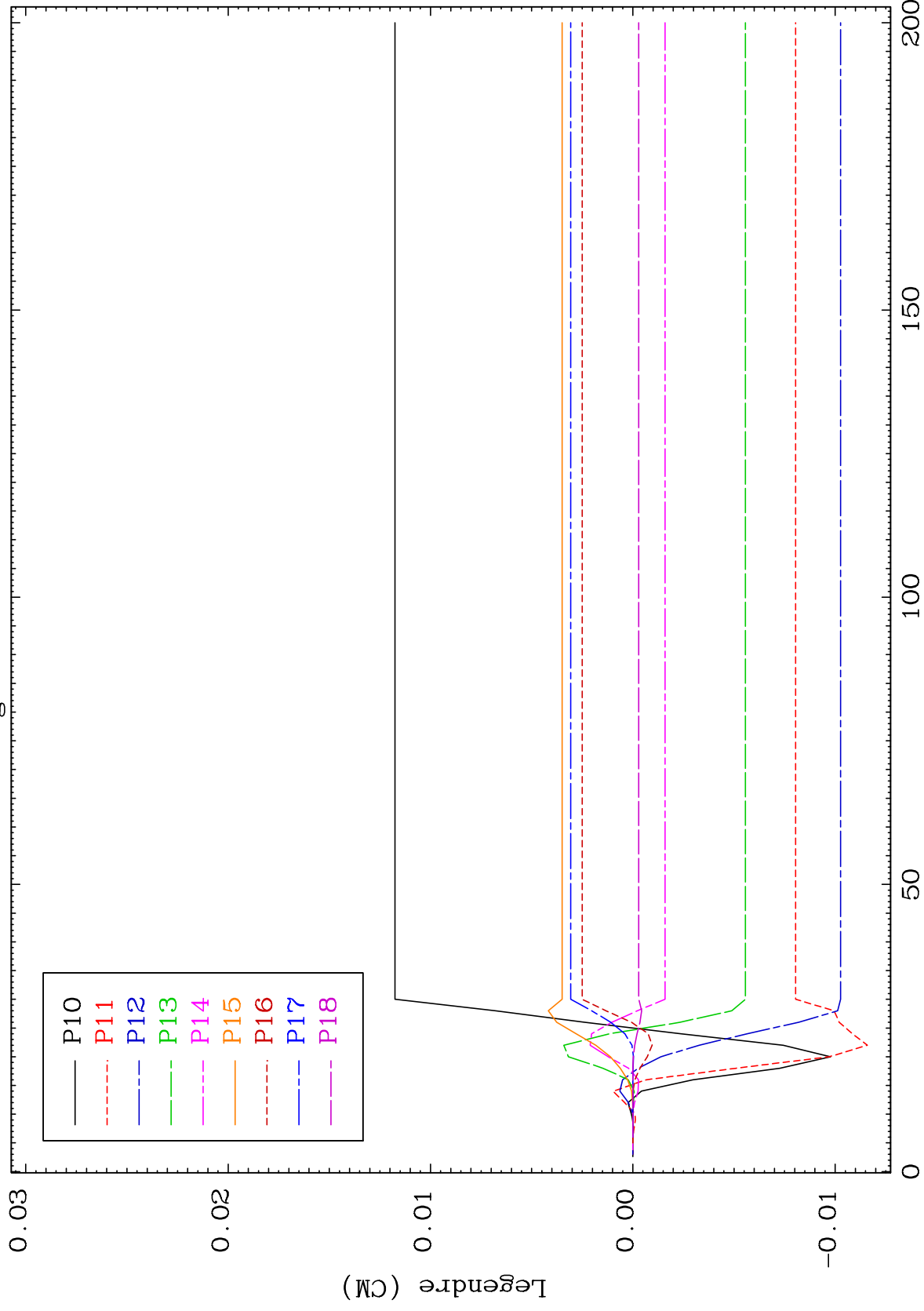




MAT 6986

2.289 MeV (n,n') Level  
Legendre Coefficients

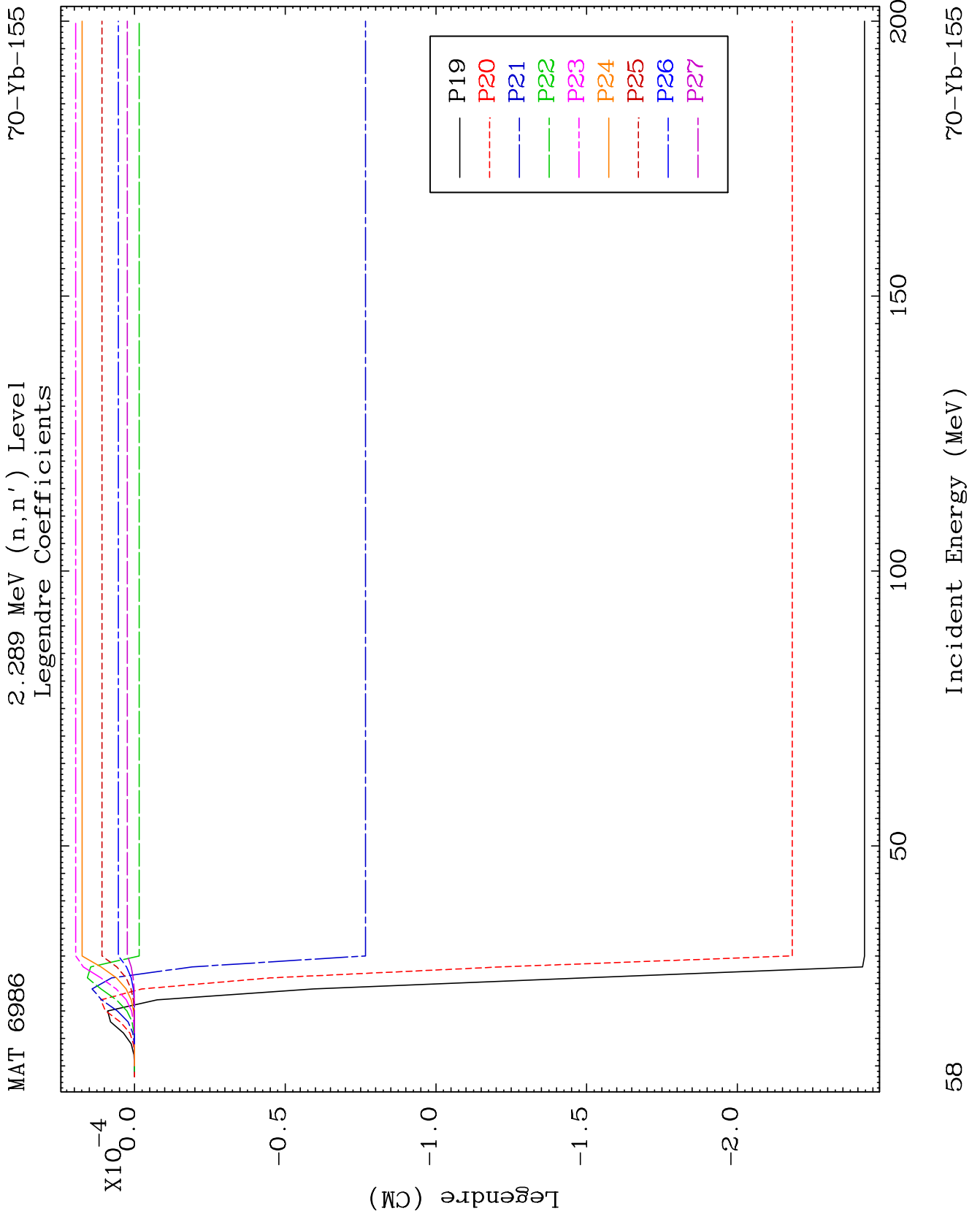
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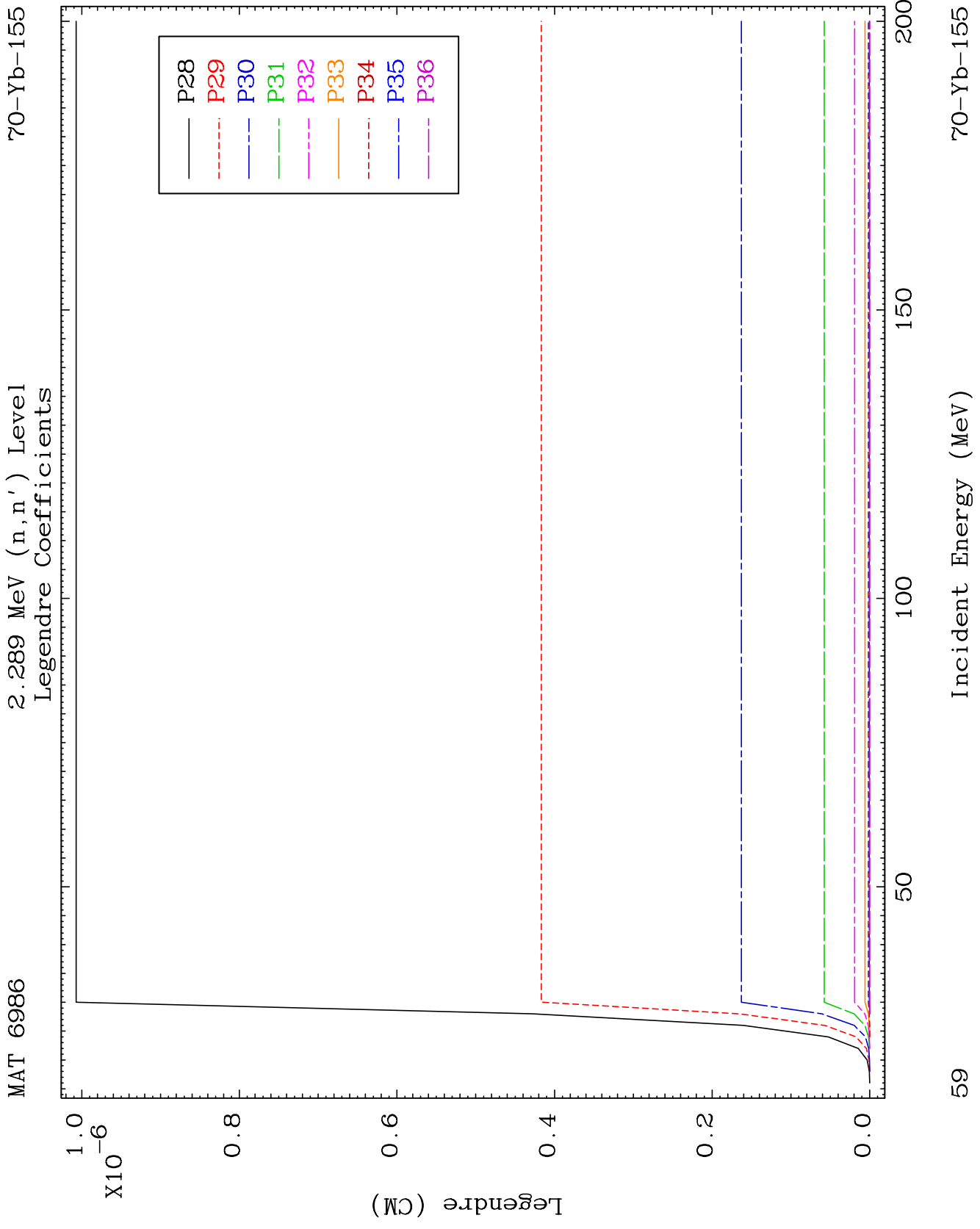


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Incident Energy (MeV)

70-Yb-155





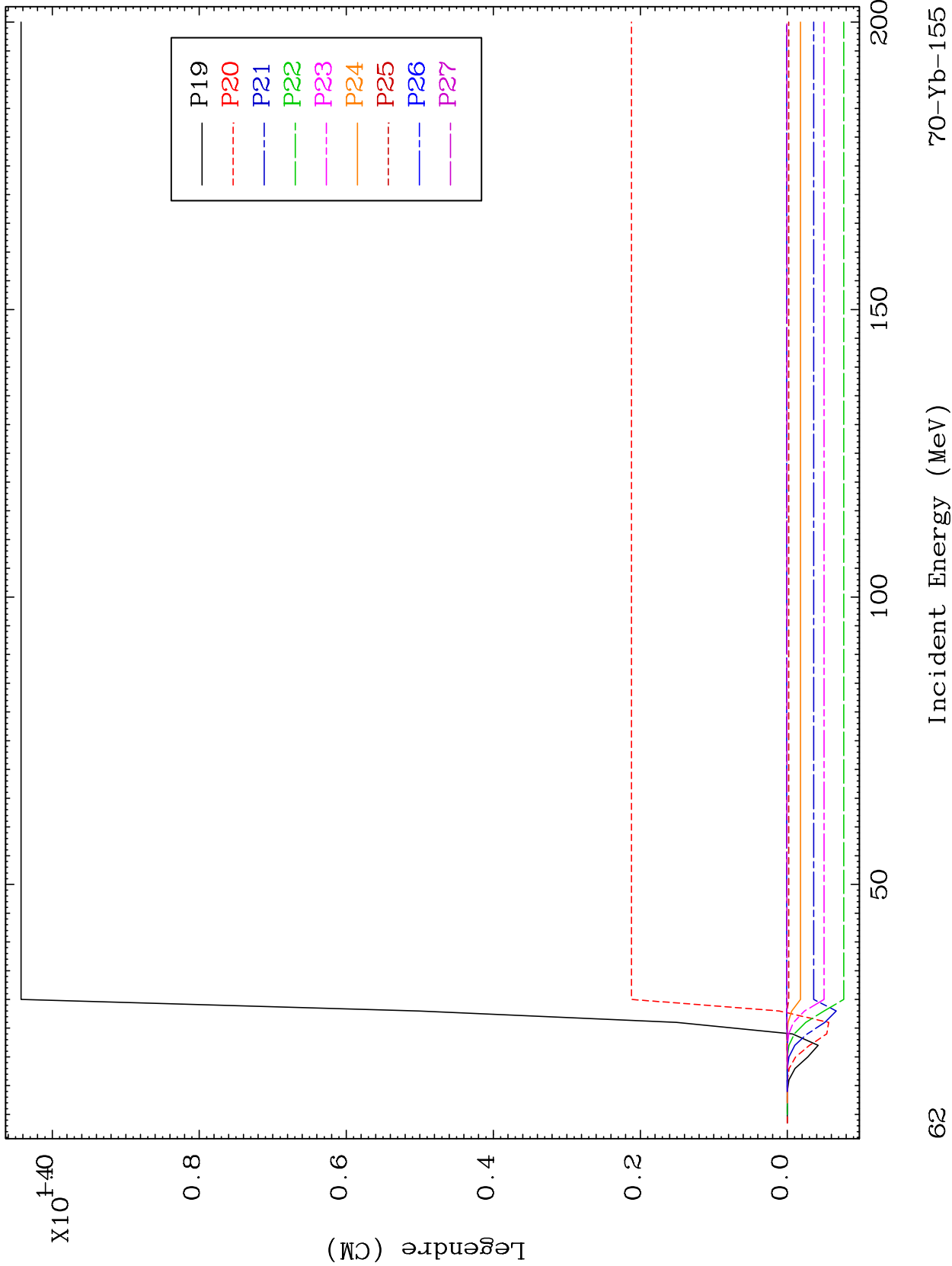




MAT 6986

2.291 MeV (n, n') Level  
Legendre Coefficients

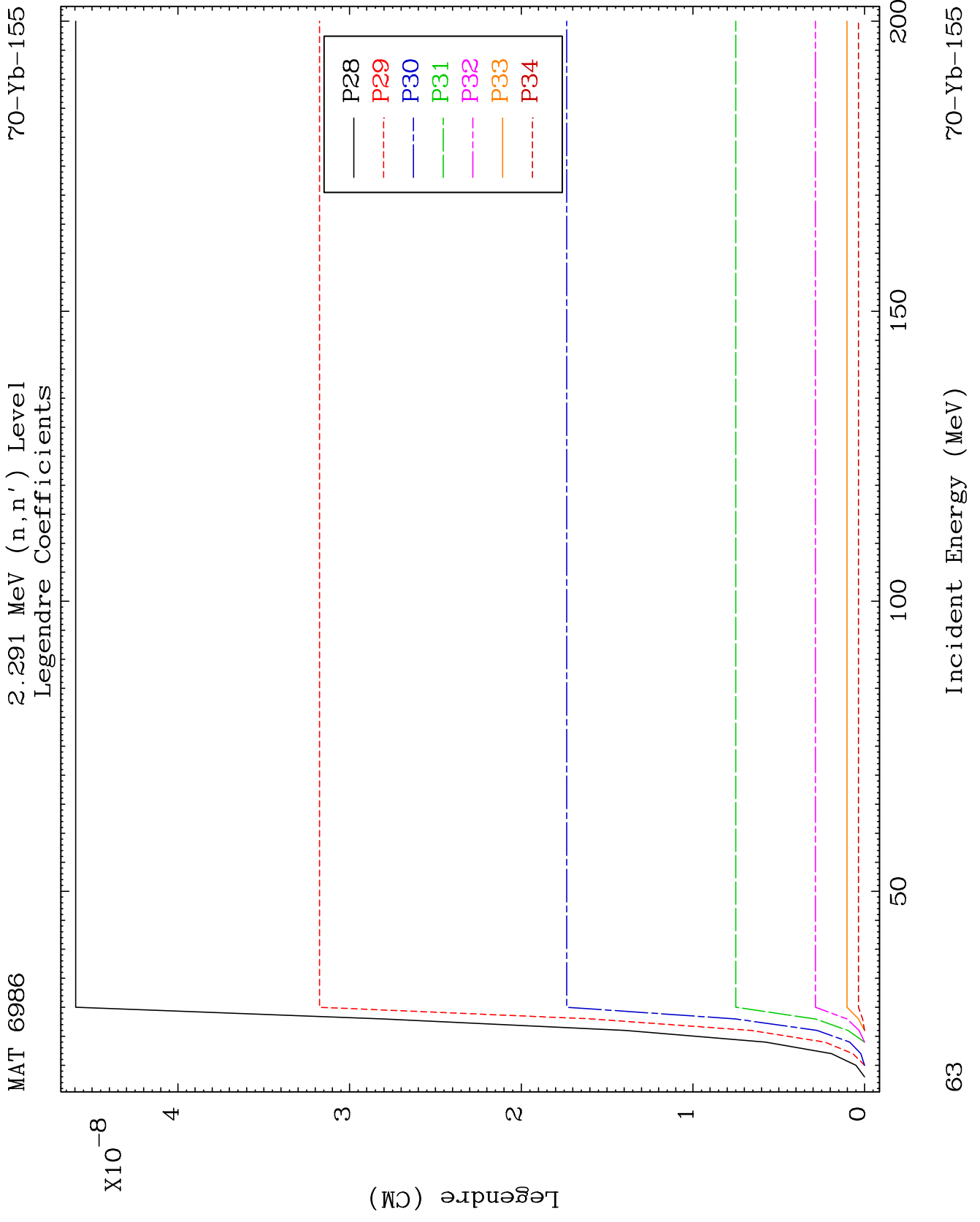
70-Yb-155



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Incident Energy (MeV)

70-Yb-155

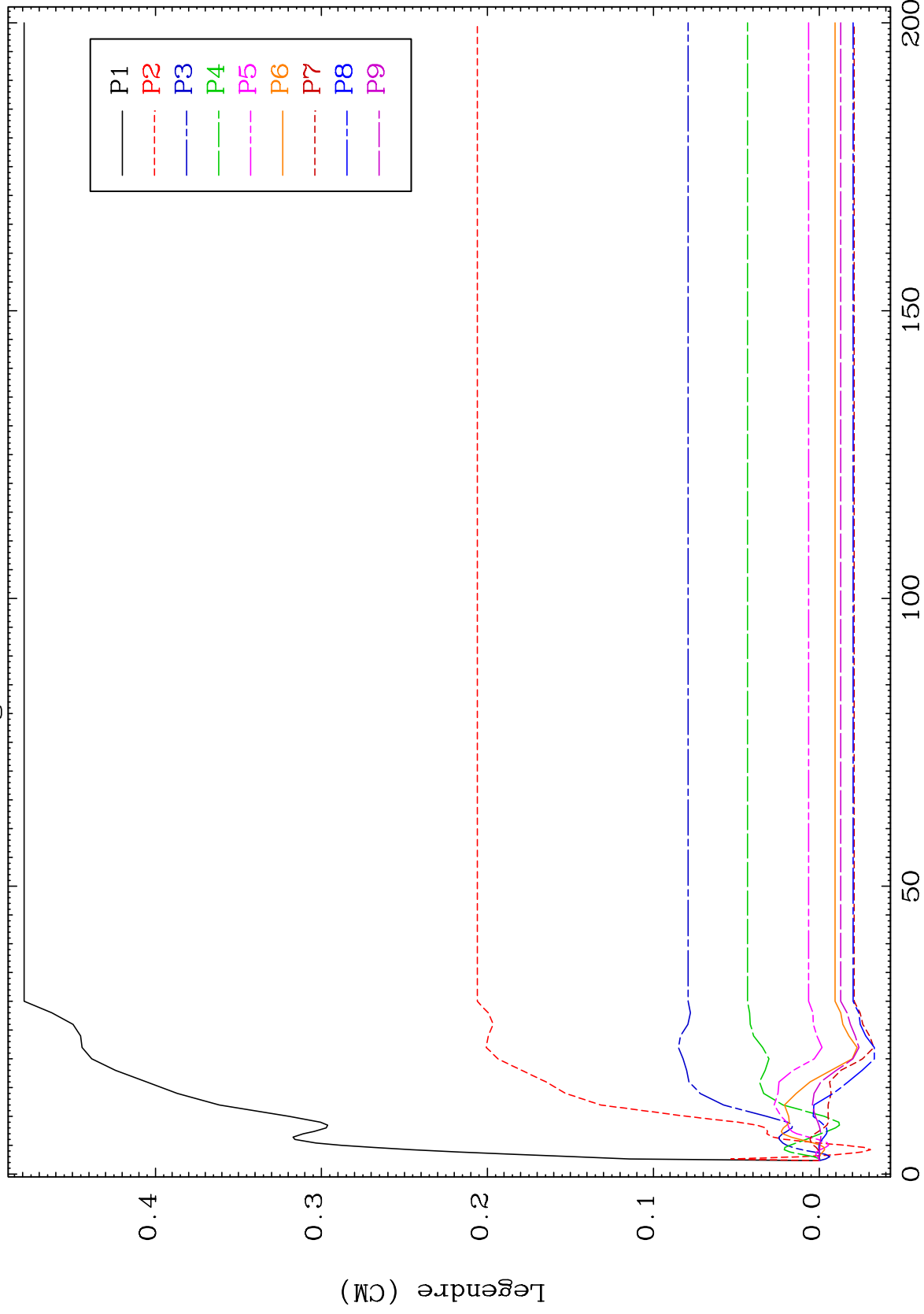




MAT 6986

2.292 MeV (n,n') Level  
Legendre Coefficients

70-Yb-155



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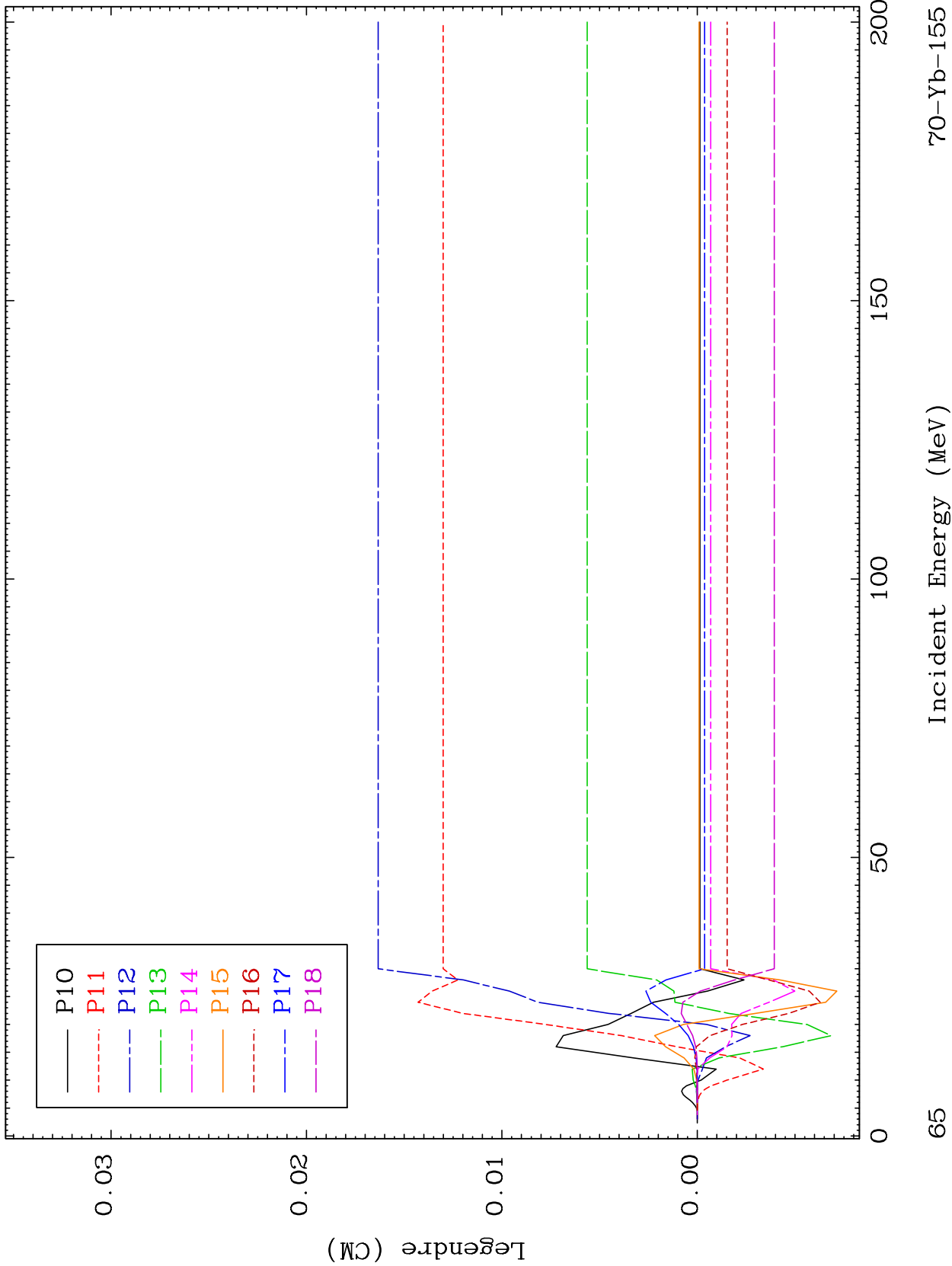
Incident Energy (MeV)

70-Yb-155

MAT 6986

2.292 MeV (n,n') Level  
Legendre Coefficients

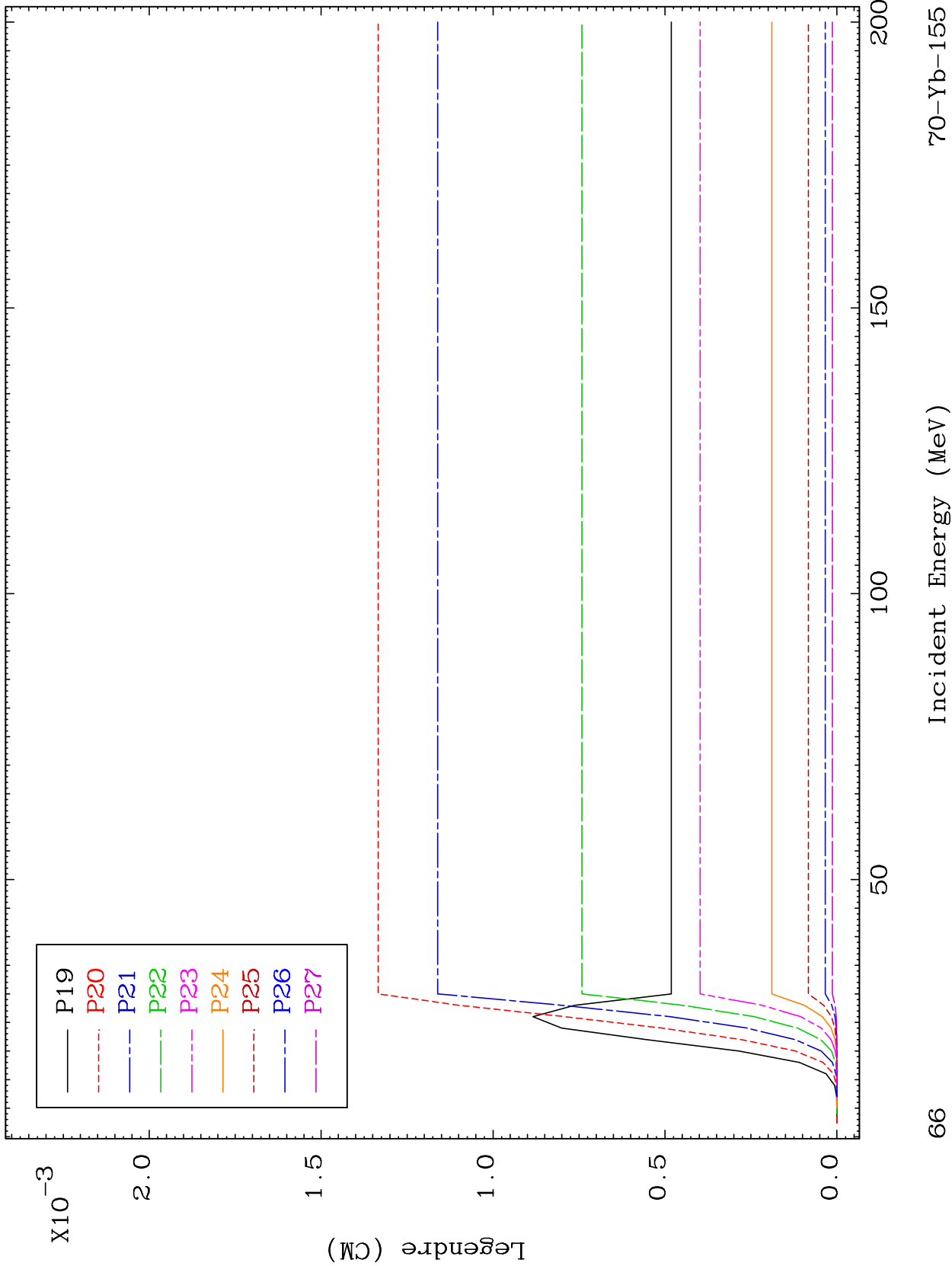
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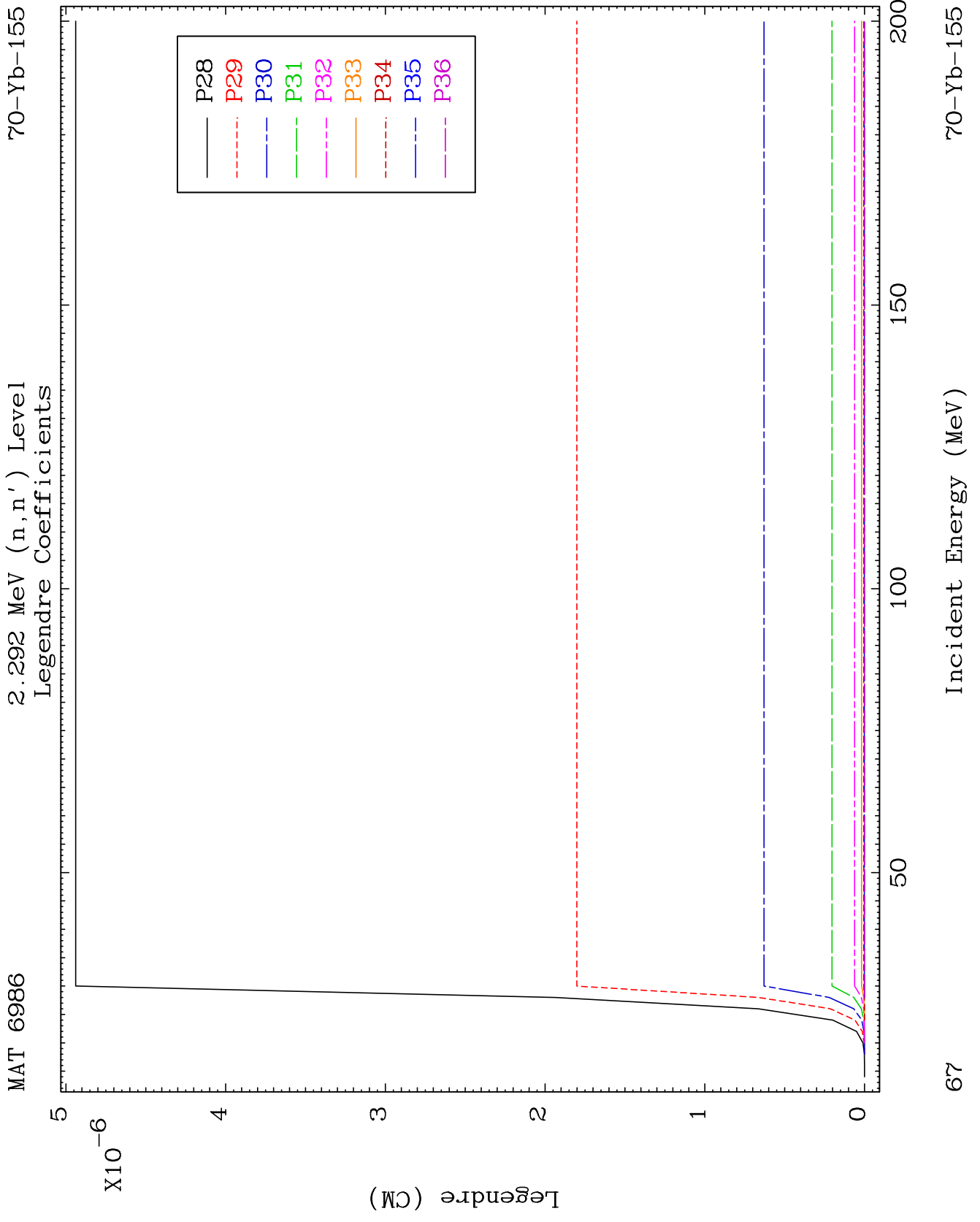


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Incident Energy (MeV)

70-Yb-155



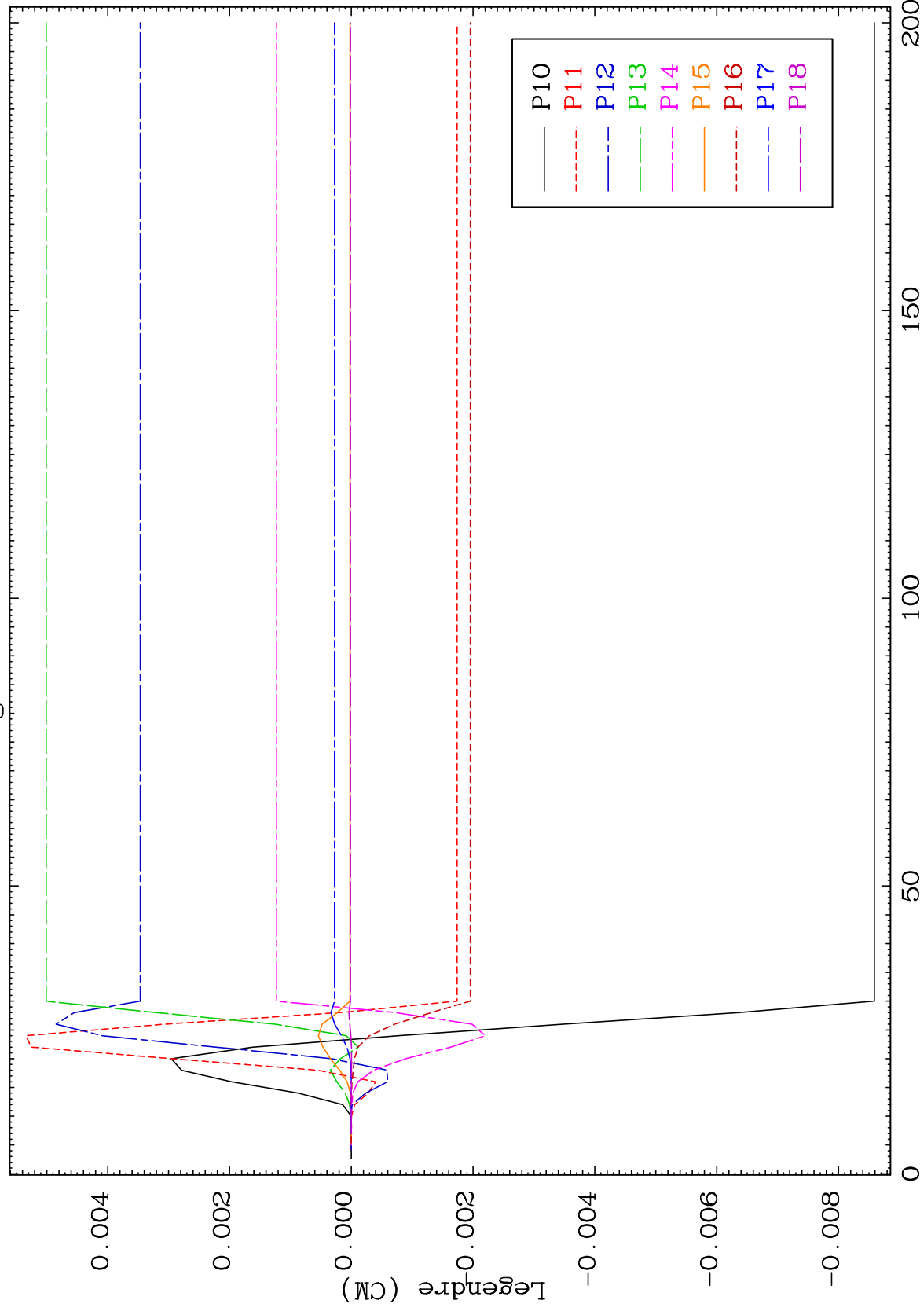




MAT 6986

2.293 MeV (n, n') Level  
Legendre Coefficients

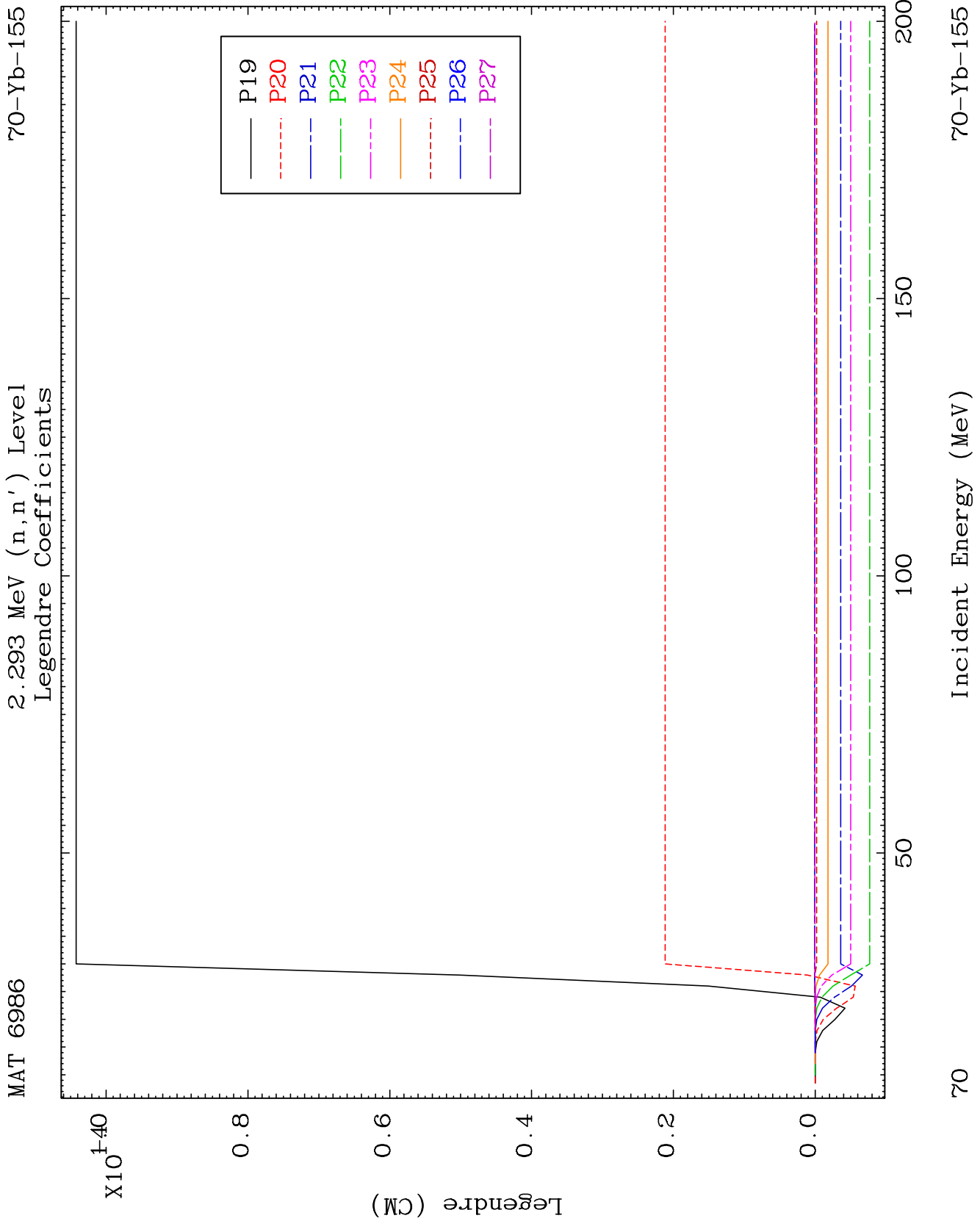
70-Yb-155



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Incident Energy (MeV)

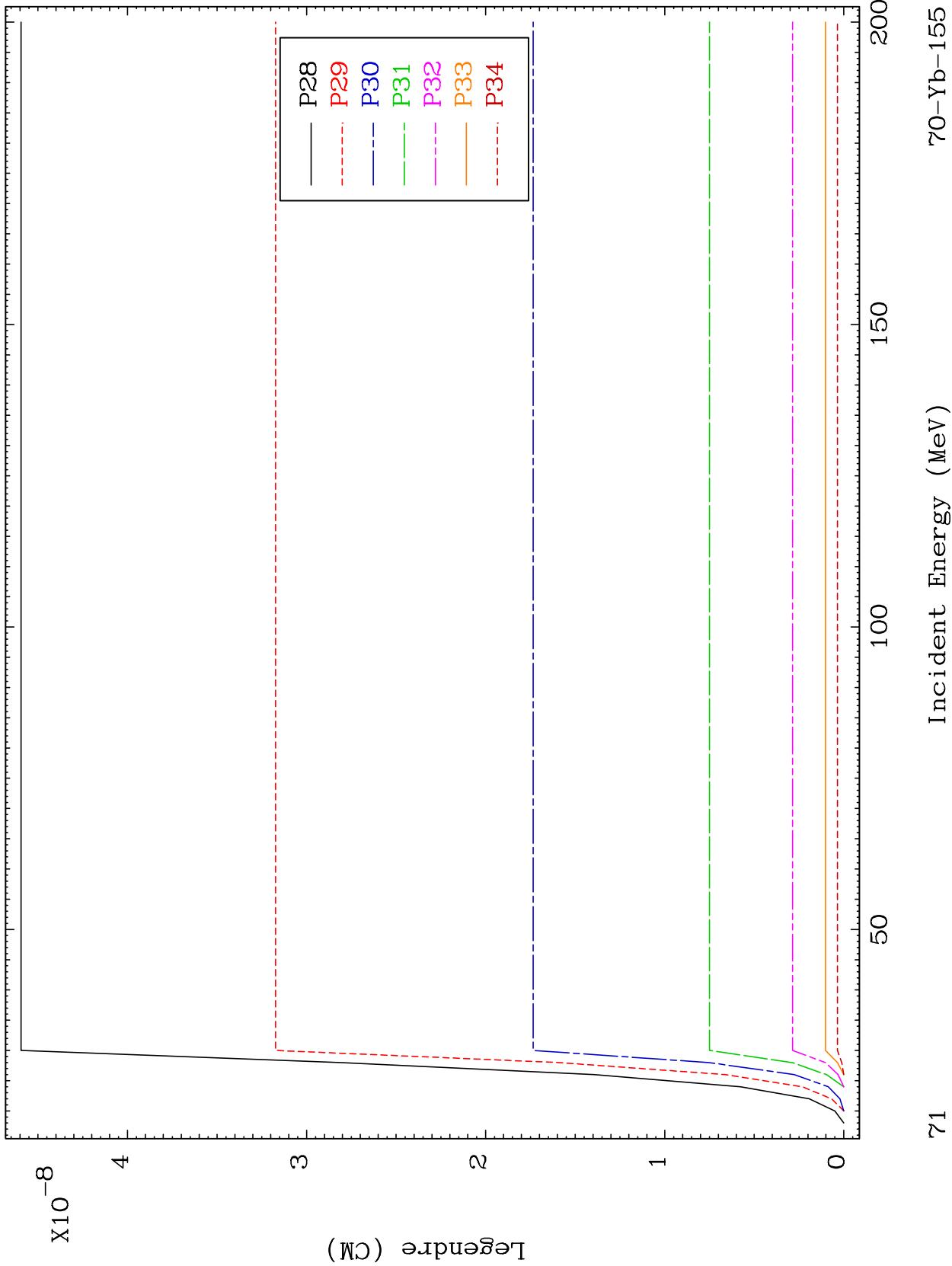
70-Yb-155



MAT 6986

2.293 MeV (n,n') Level  
Legendre Coefficients

70-Yb-155



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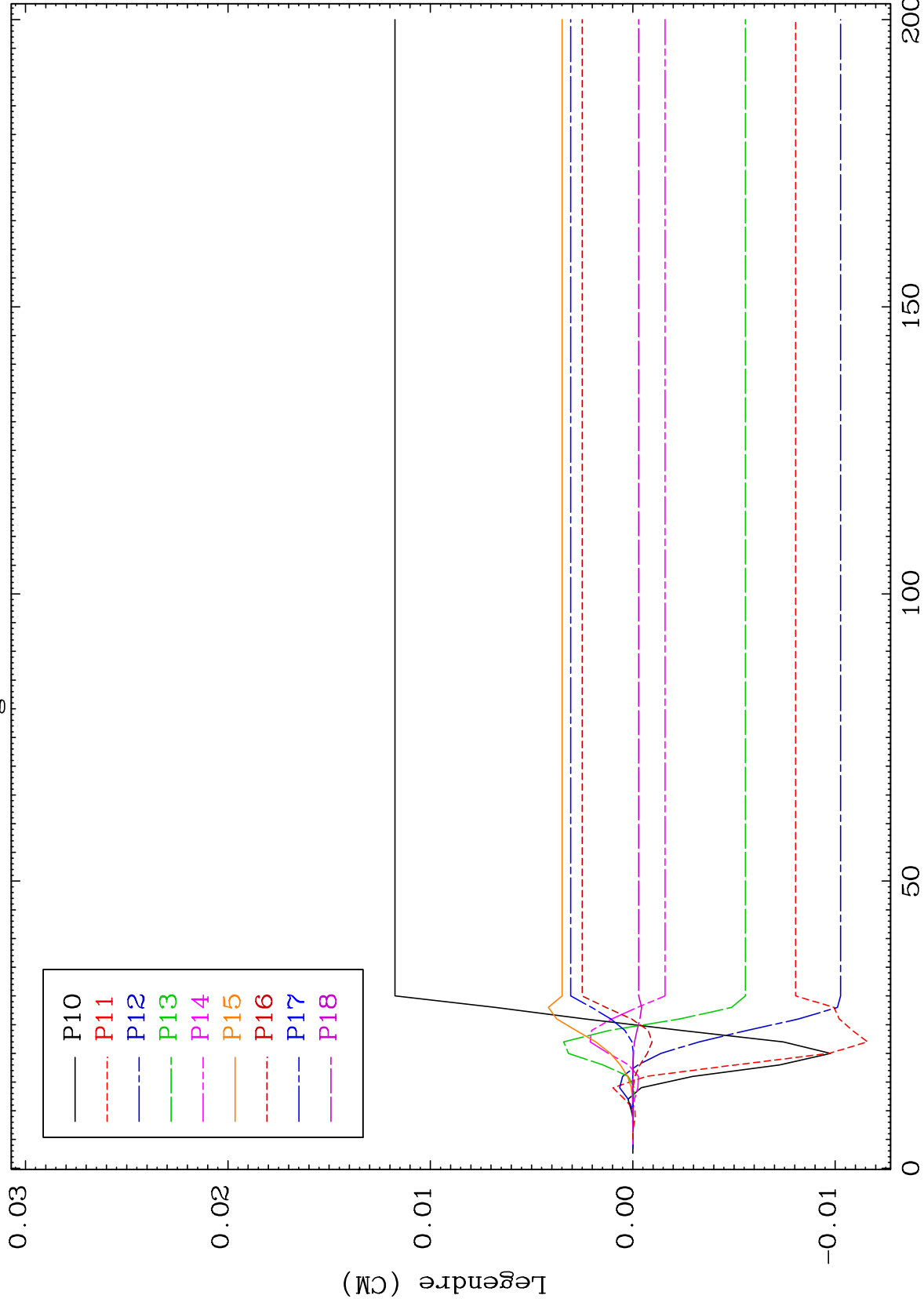




MAT 6986

2.294 MeV (n,n') Level  
Legendre Coefficients

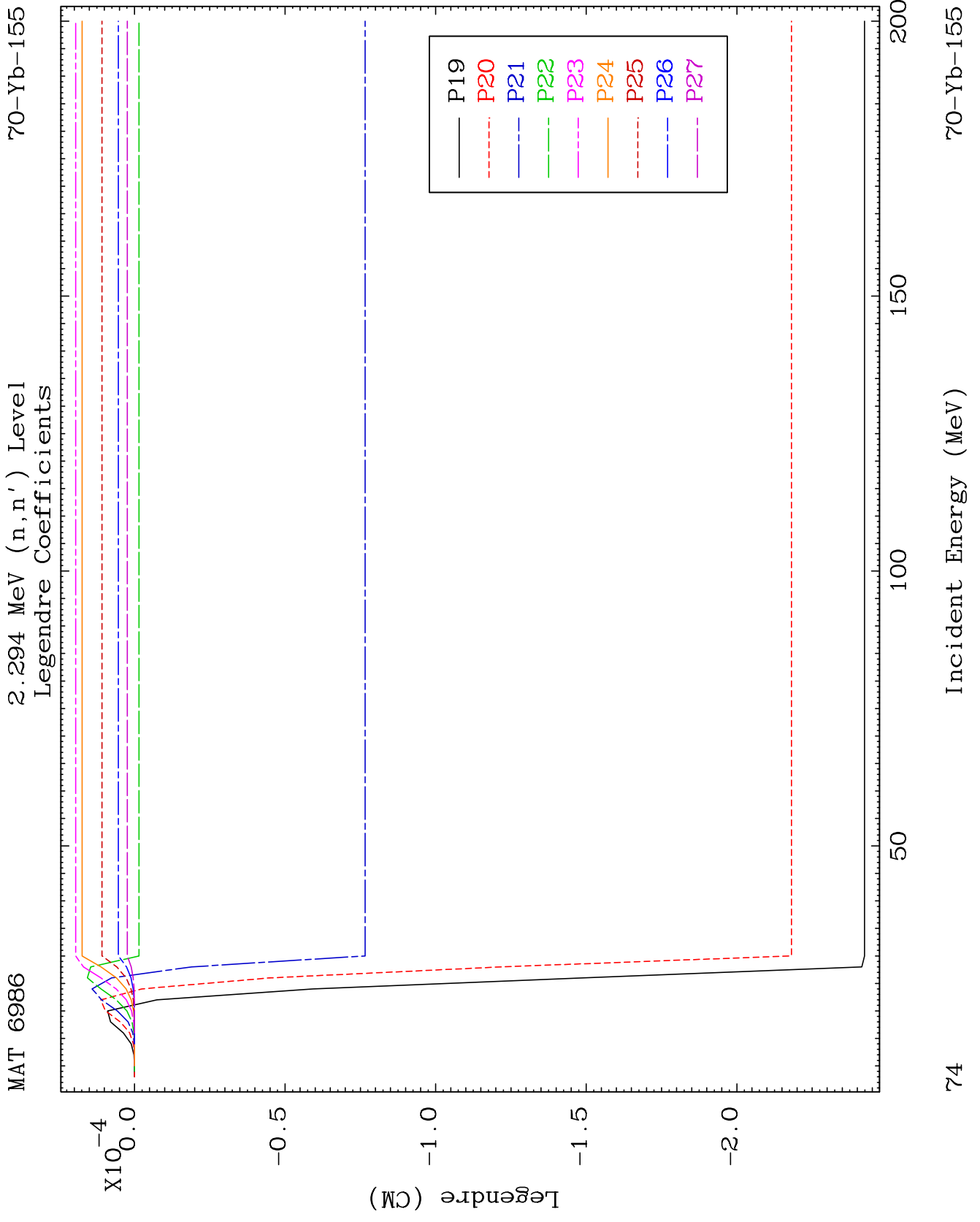
70-Yb-155

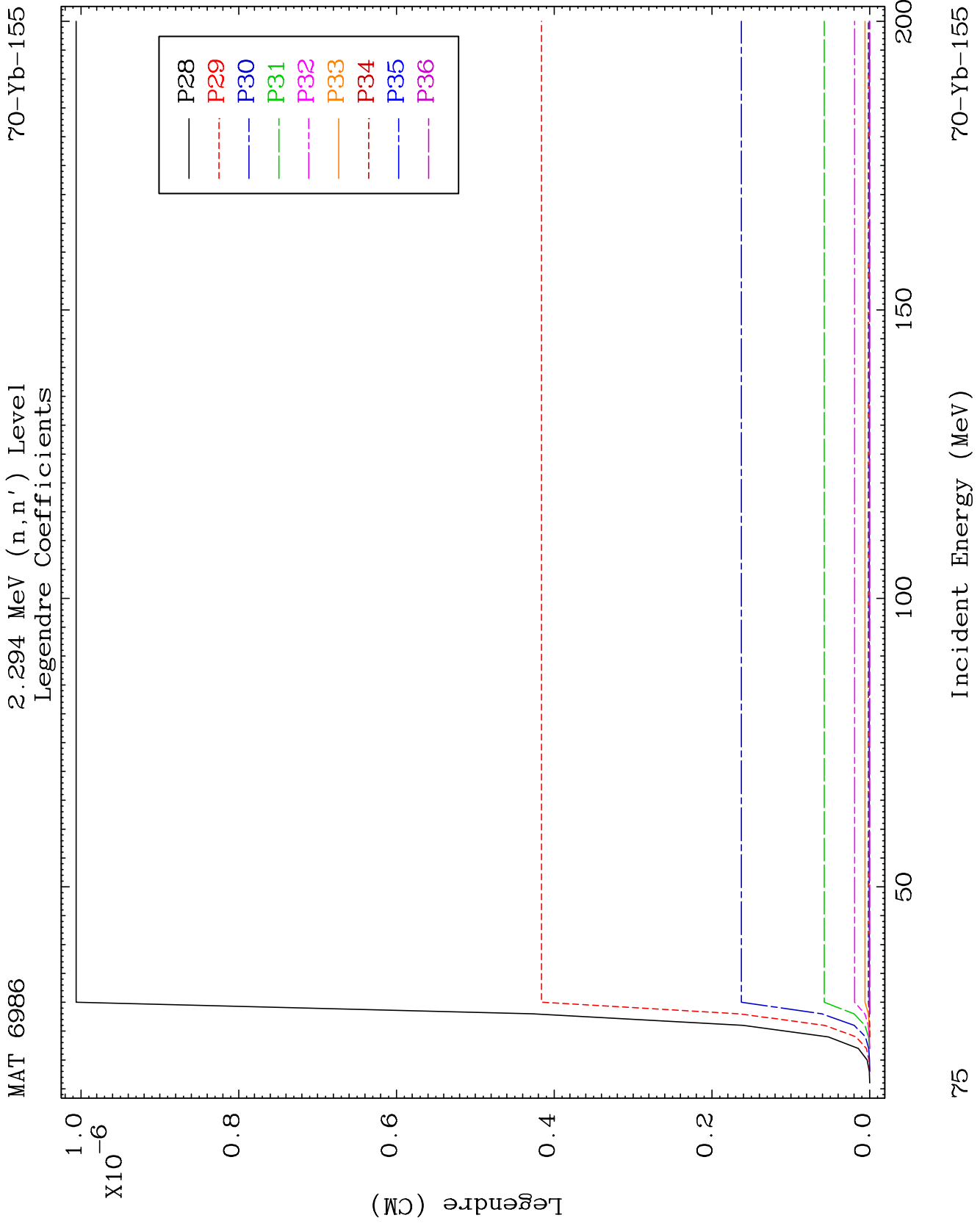


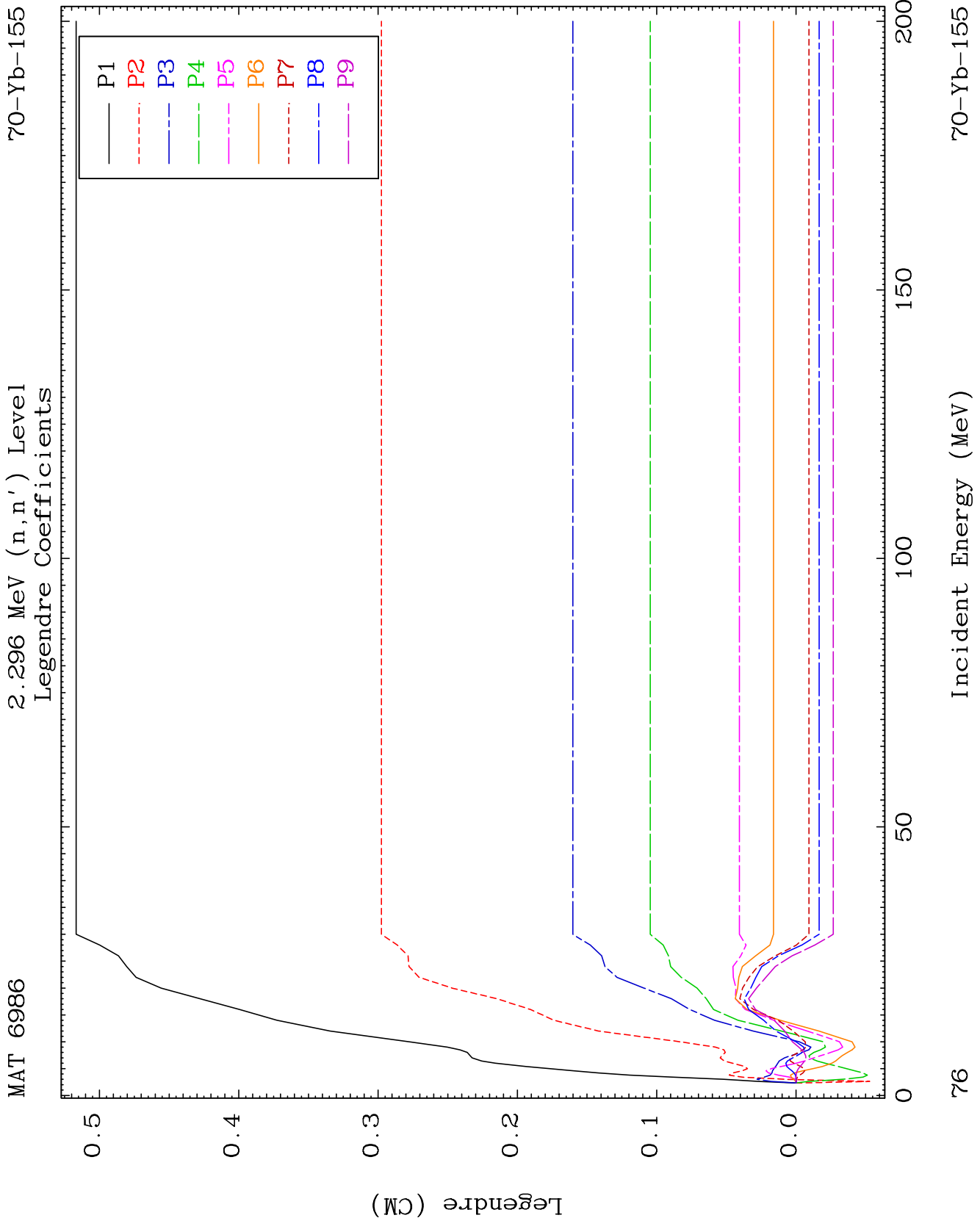
73

Incident Energy (MeV)

70-Yb-155



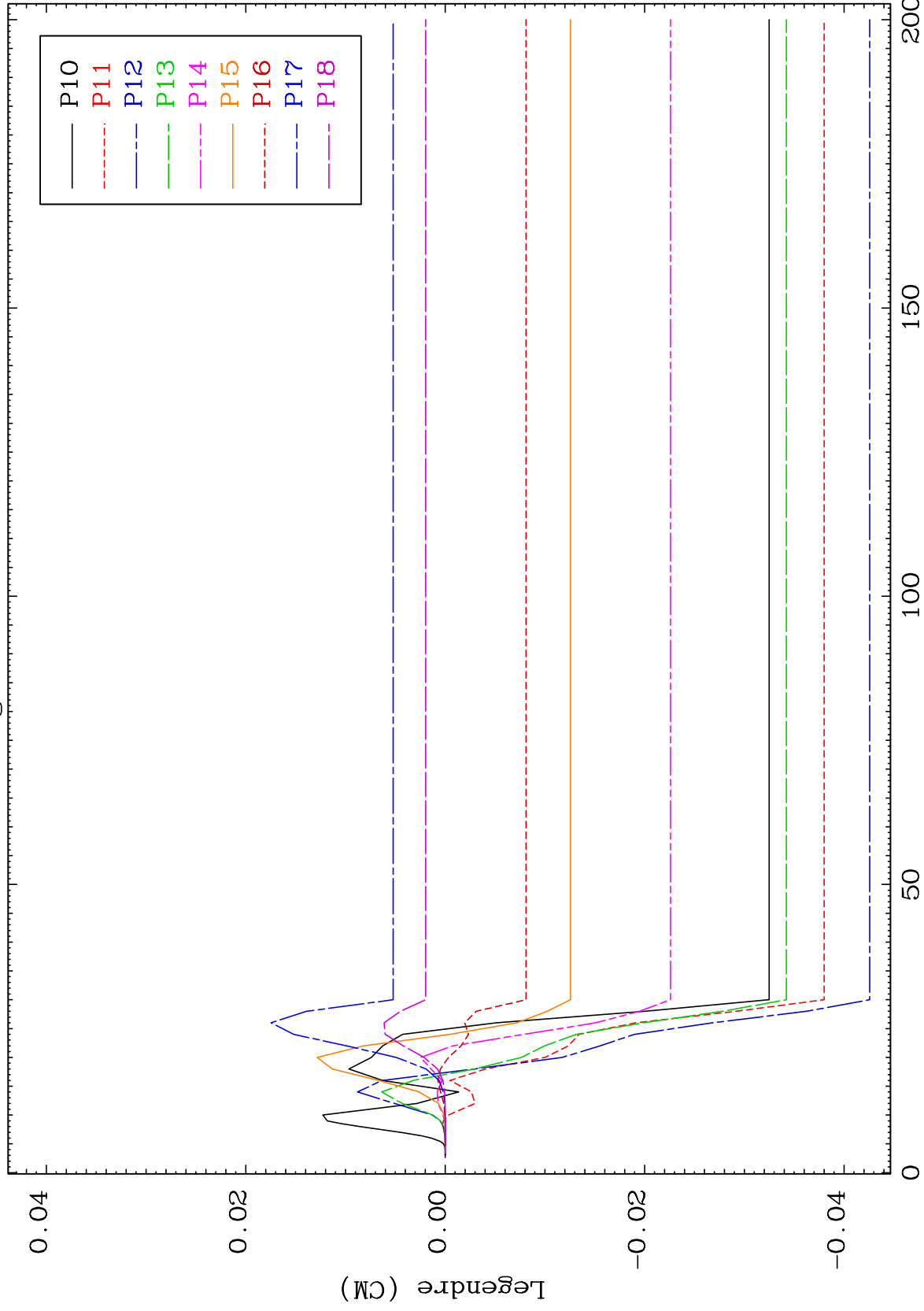




MAT 6986

2.296 MeV (n,n') Level  
Legendre Coefficients

70-Yb-155



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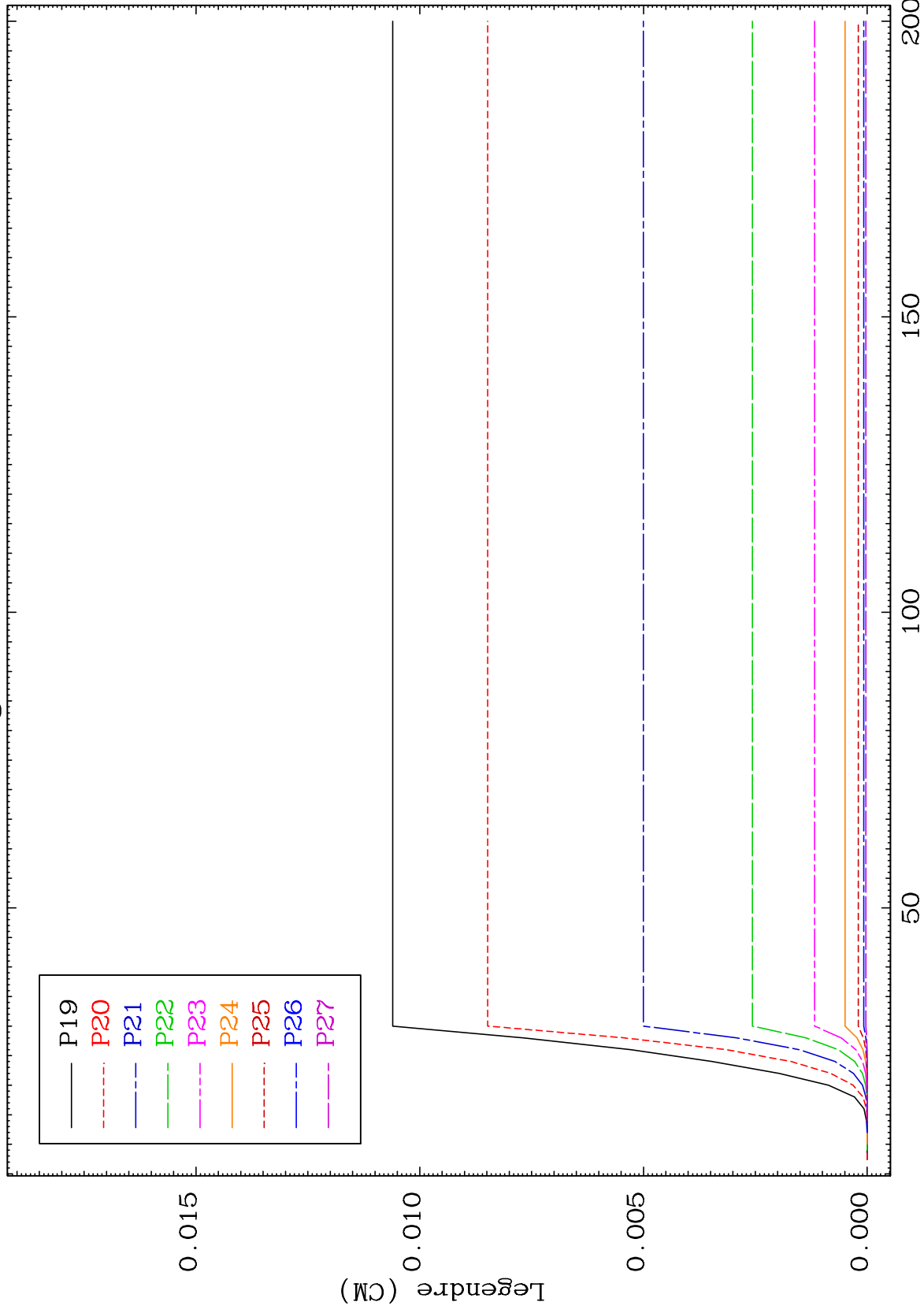
Incident Energy (MeV)

70-Yb-155

MAT 6986

2.296 MeV (n, n') Level  
Legendre Coefficients

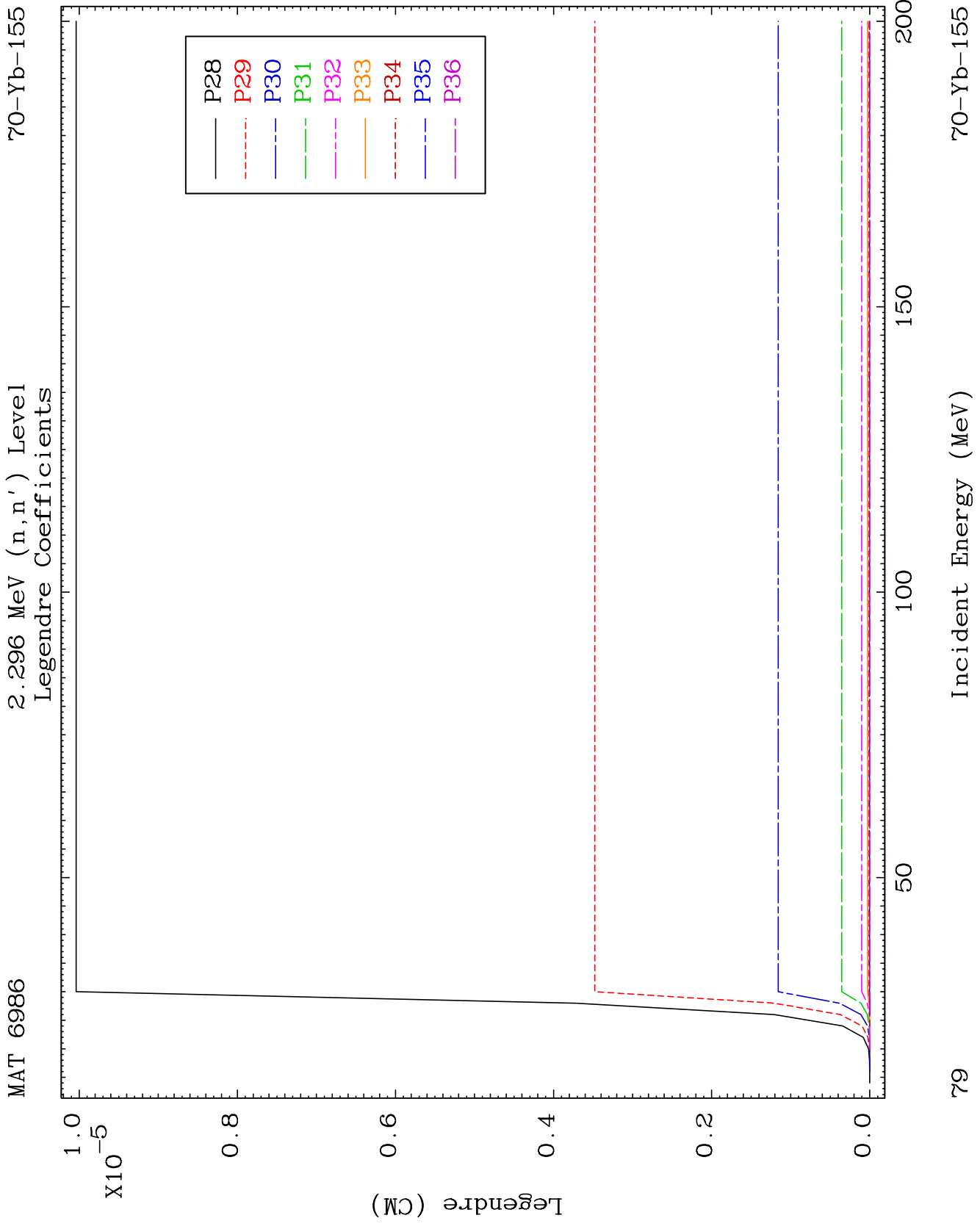
70-Yb-155



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Incident Energy (MeV)

70-Yb-155



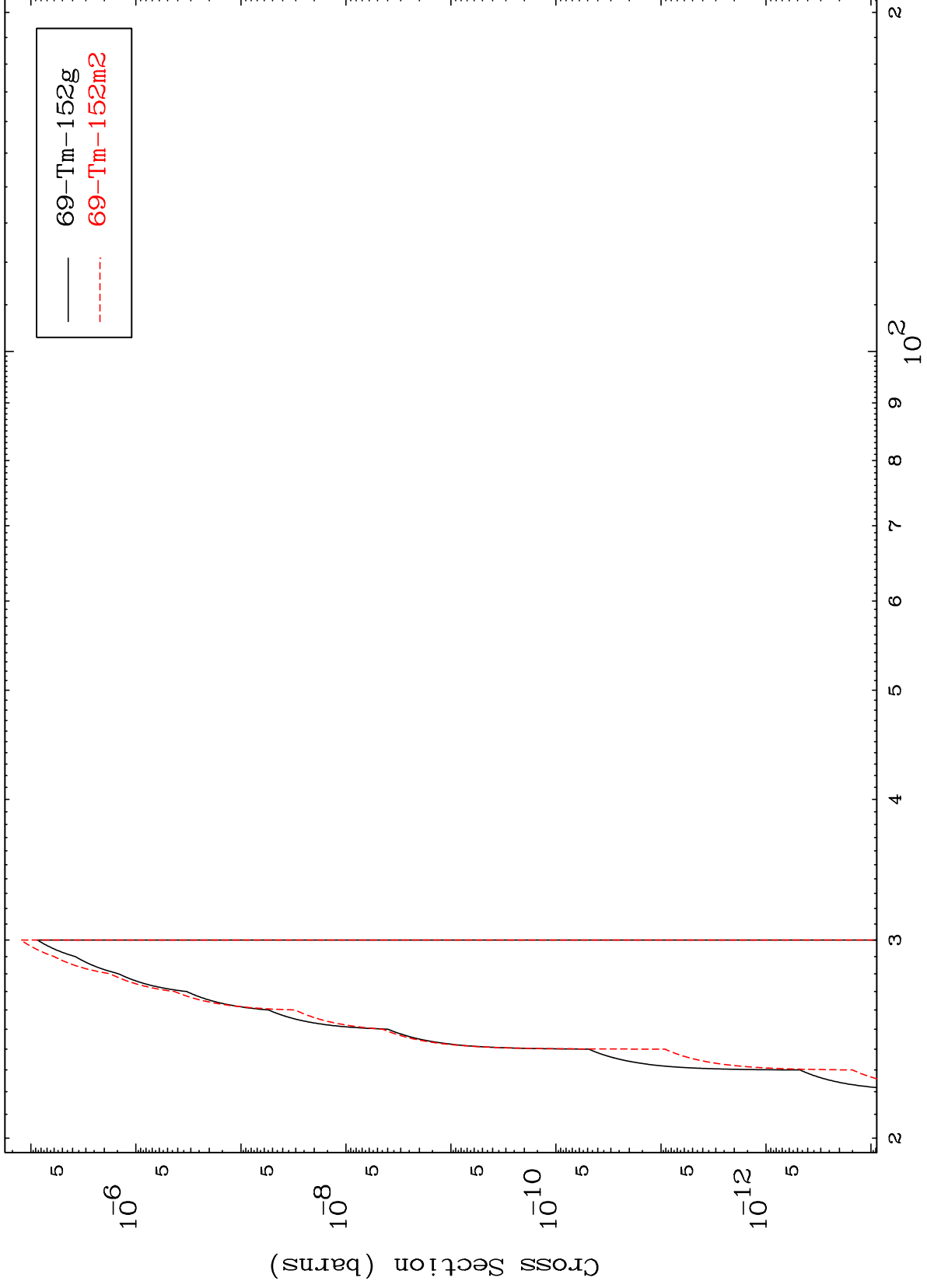


MAT 6986

(n,2n) d

70-Yb-155

Radionuclide Production Cross Section



80

Incident Energy (MeV)

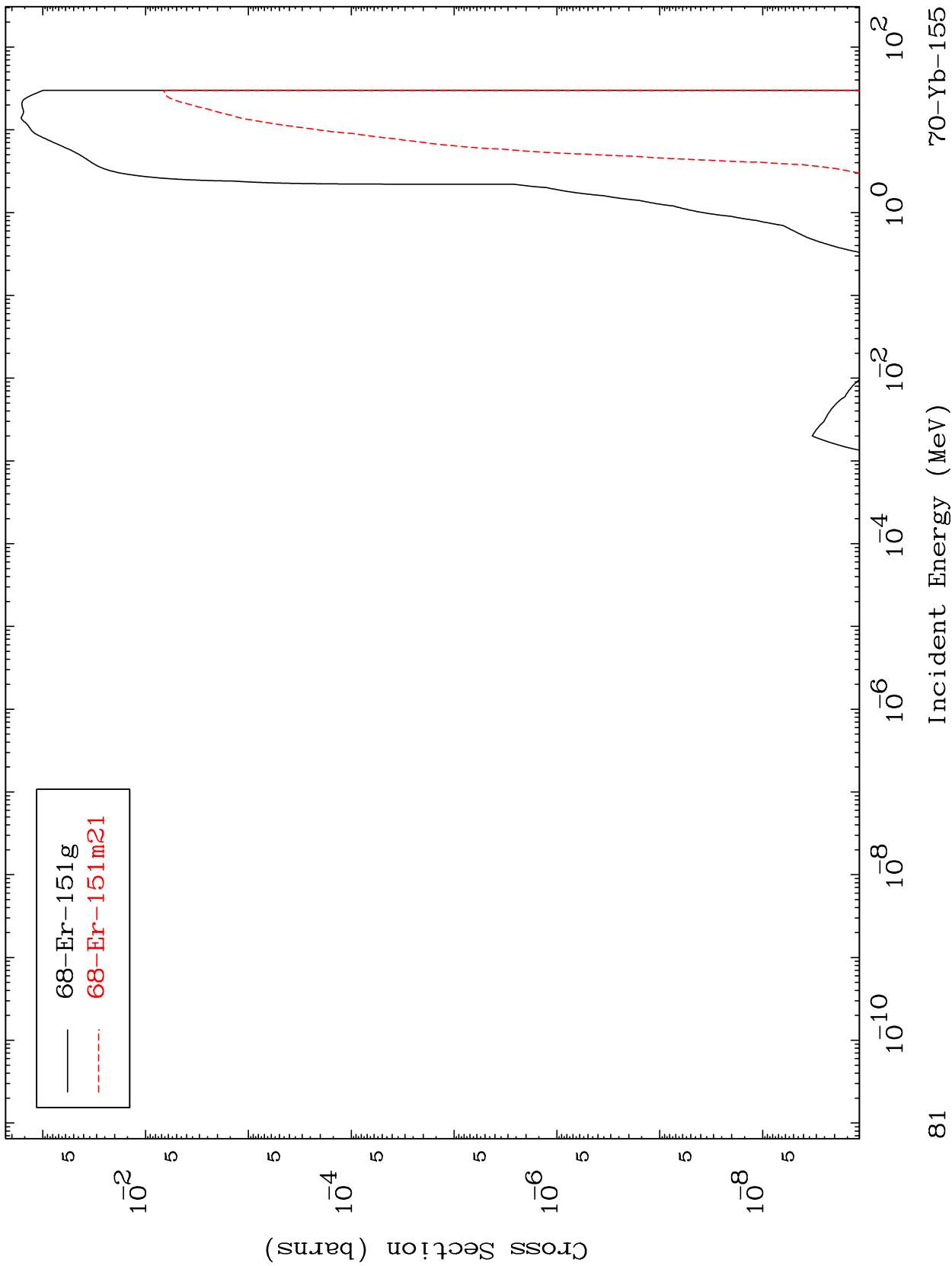
70-Yb-155

MAT 6986

$(n, n') \alpha$

70-Yb-155

Radionuclide Production Cross Section

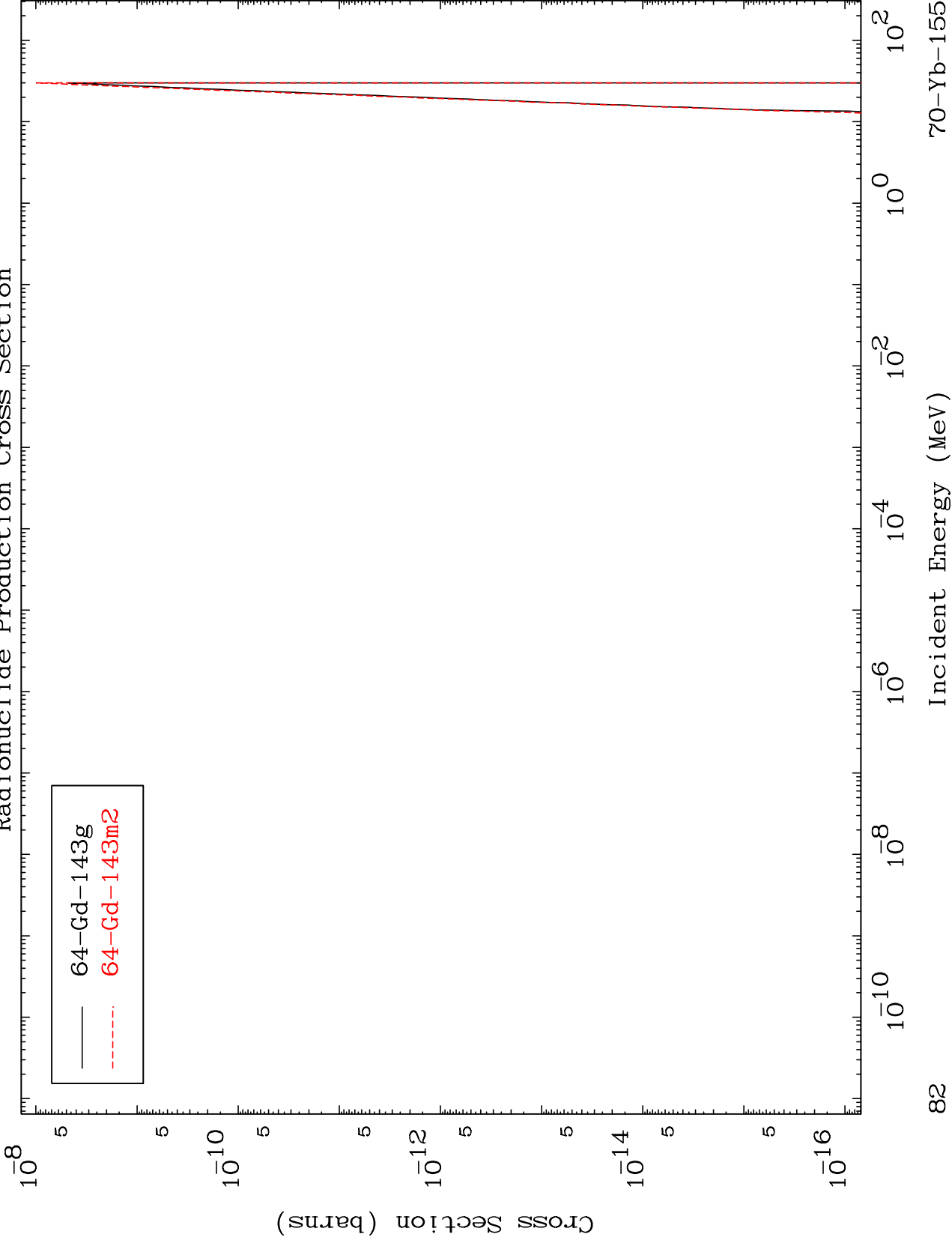


MAT 6986

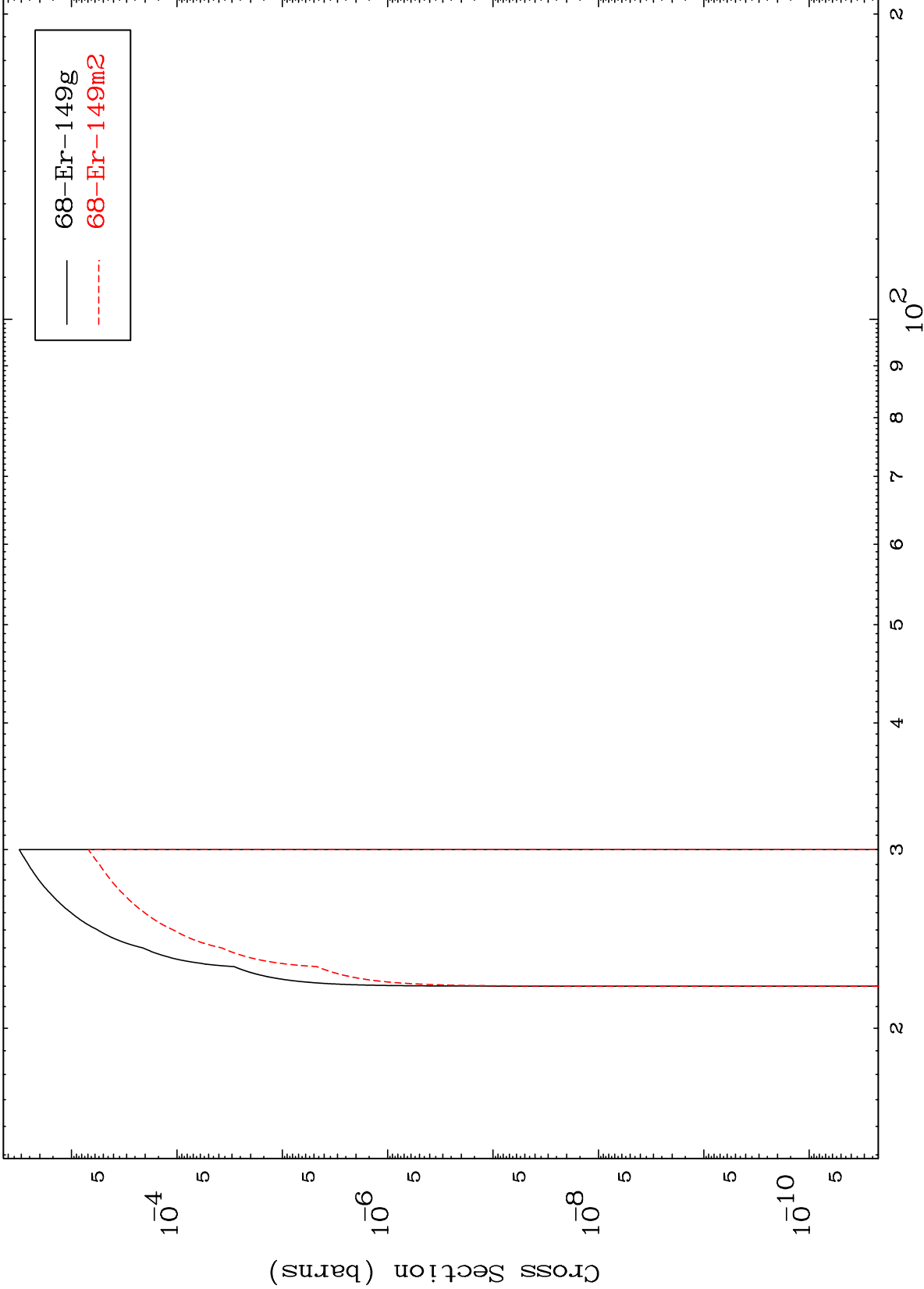
(n,n') 3 $\alpha$

70-Yb-155

Radionuclide Production Cross Section



Radionuclide Production Cross Section

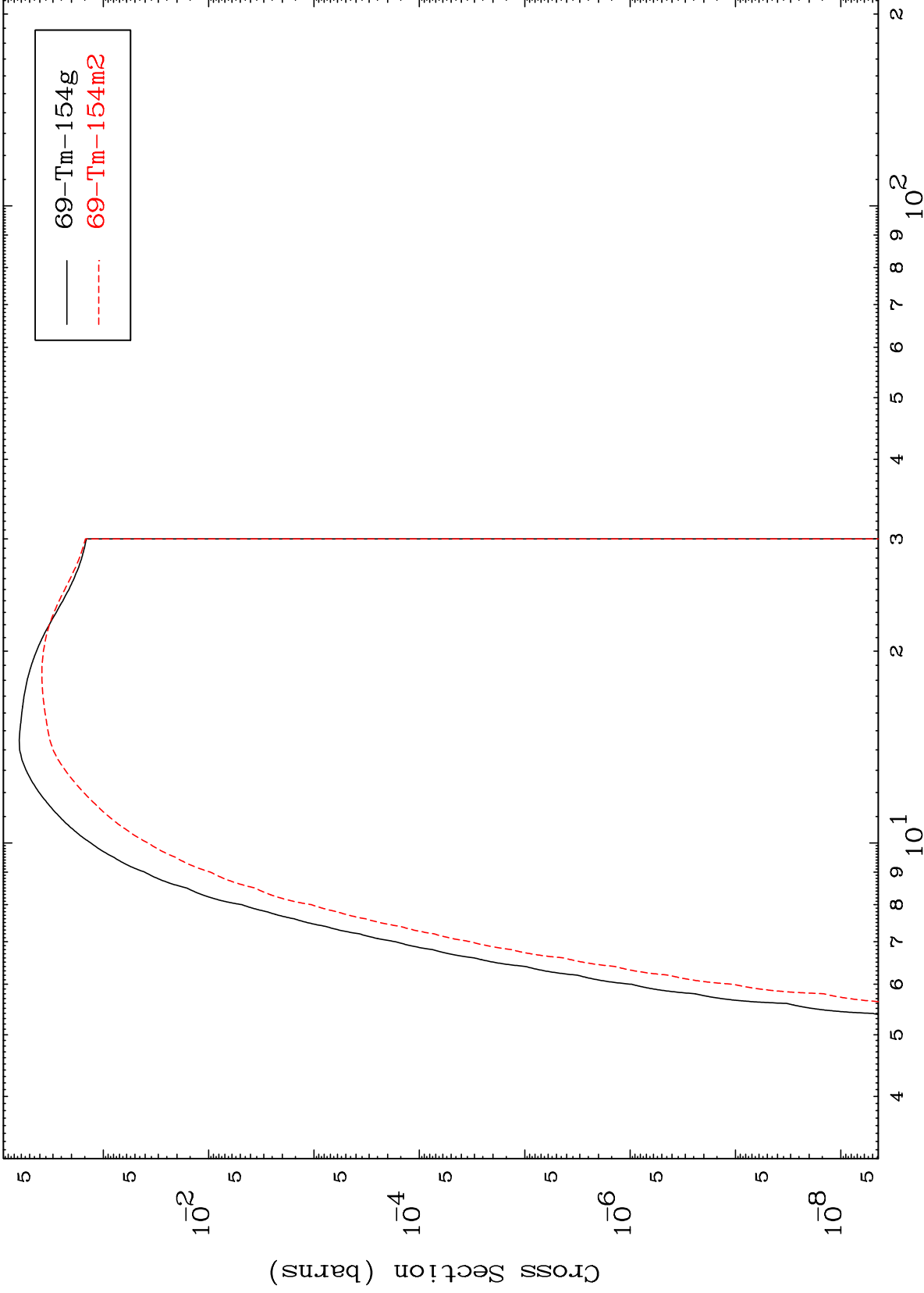


MAT 6986

(n,n') p

70-Yb-155

Radionuclide Production Cross Section



84

Incident Energy (MeV)

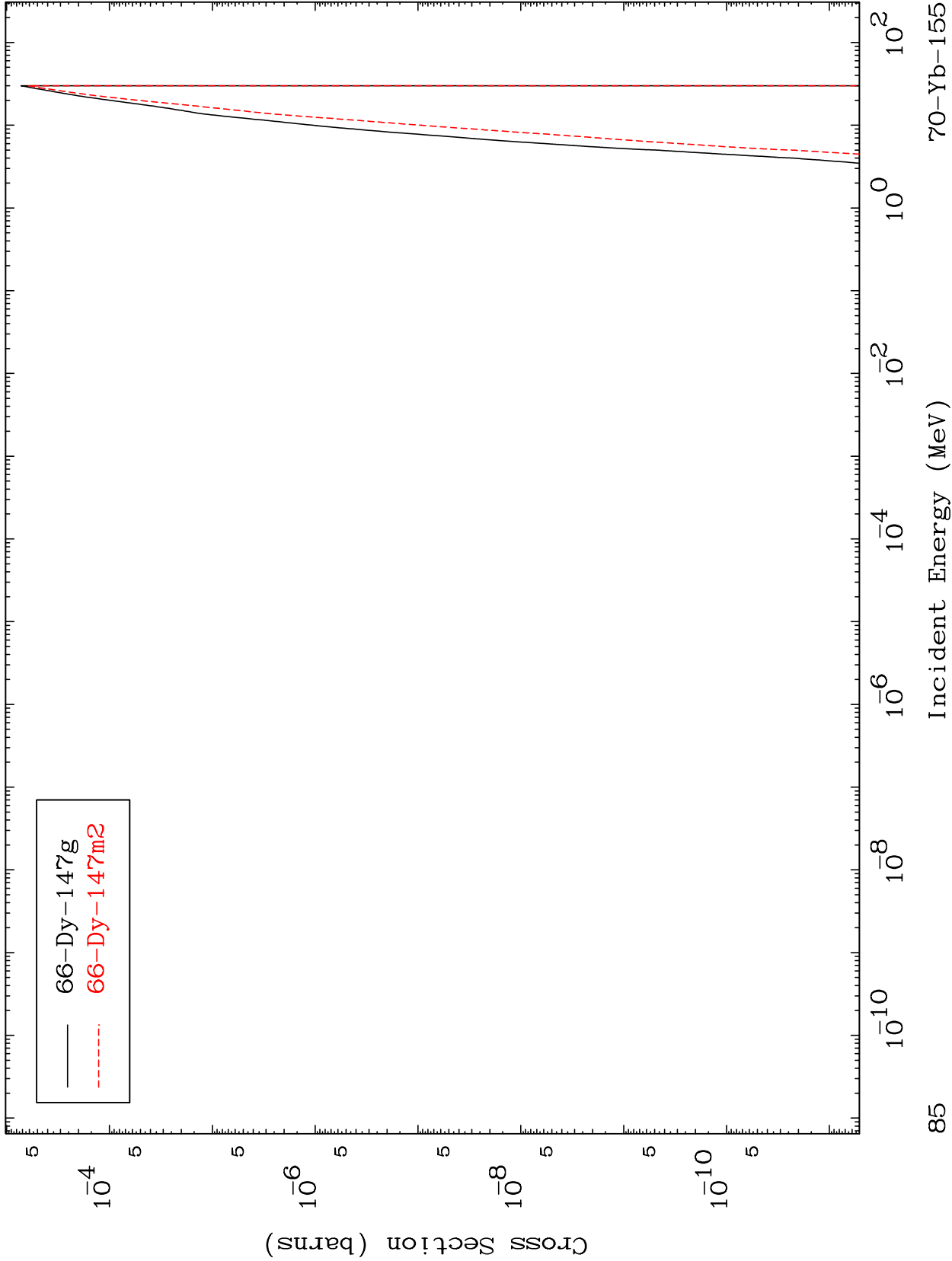
70-Yb-155

MAT 6986

(n,n') 2α

70-Yb-155

Radionuclide Production Cross Section

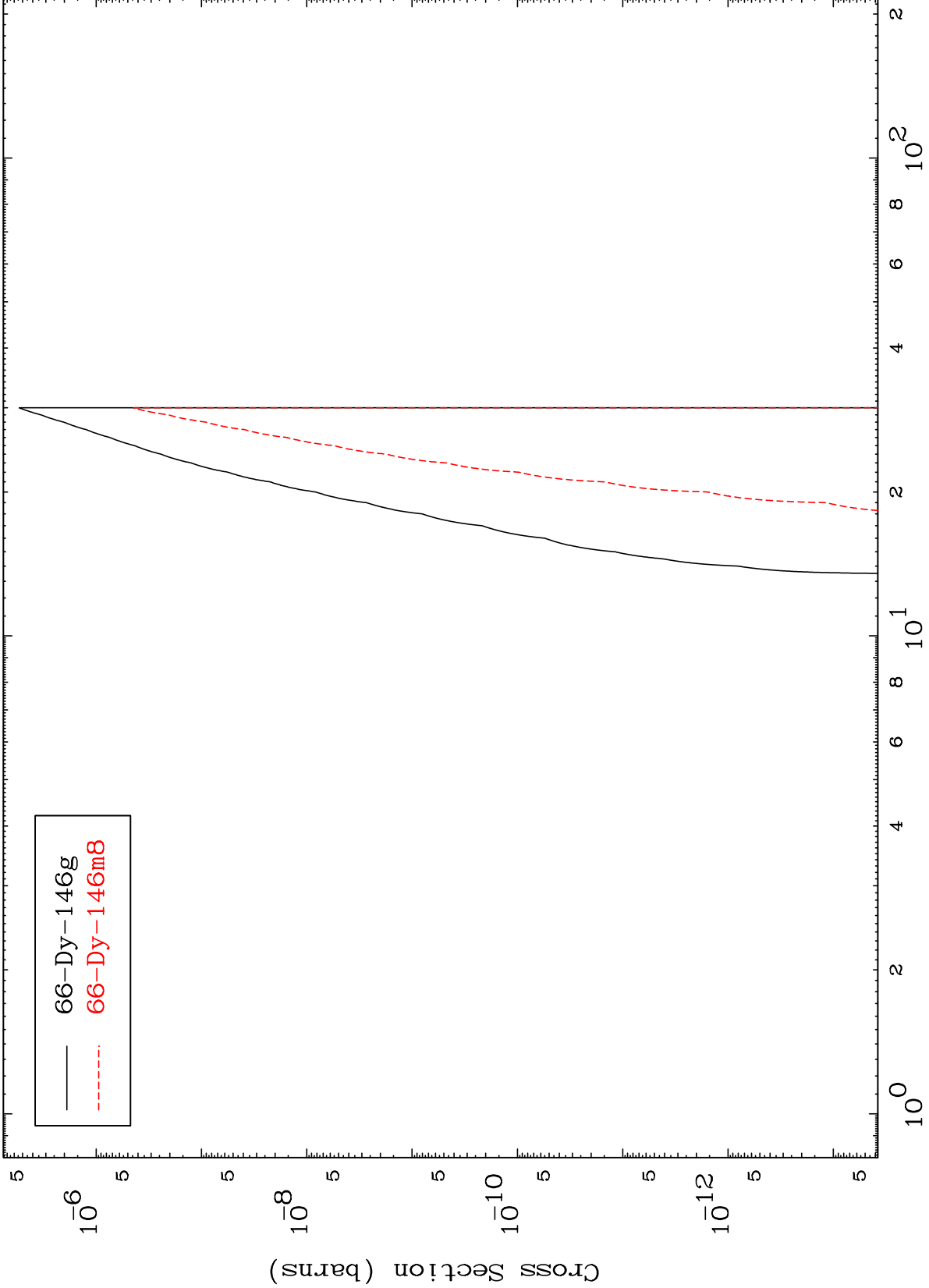


MAT 6986

(n,2n) 2α

70-Yb-155

Radionuclide Production Cross Section



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

86

Incident Energy (MeV)

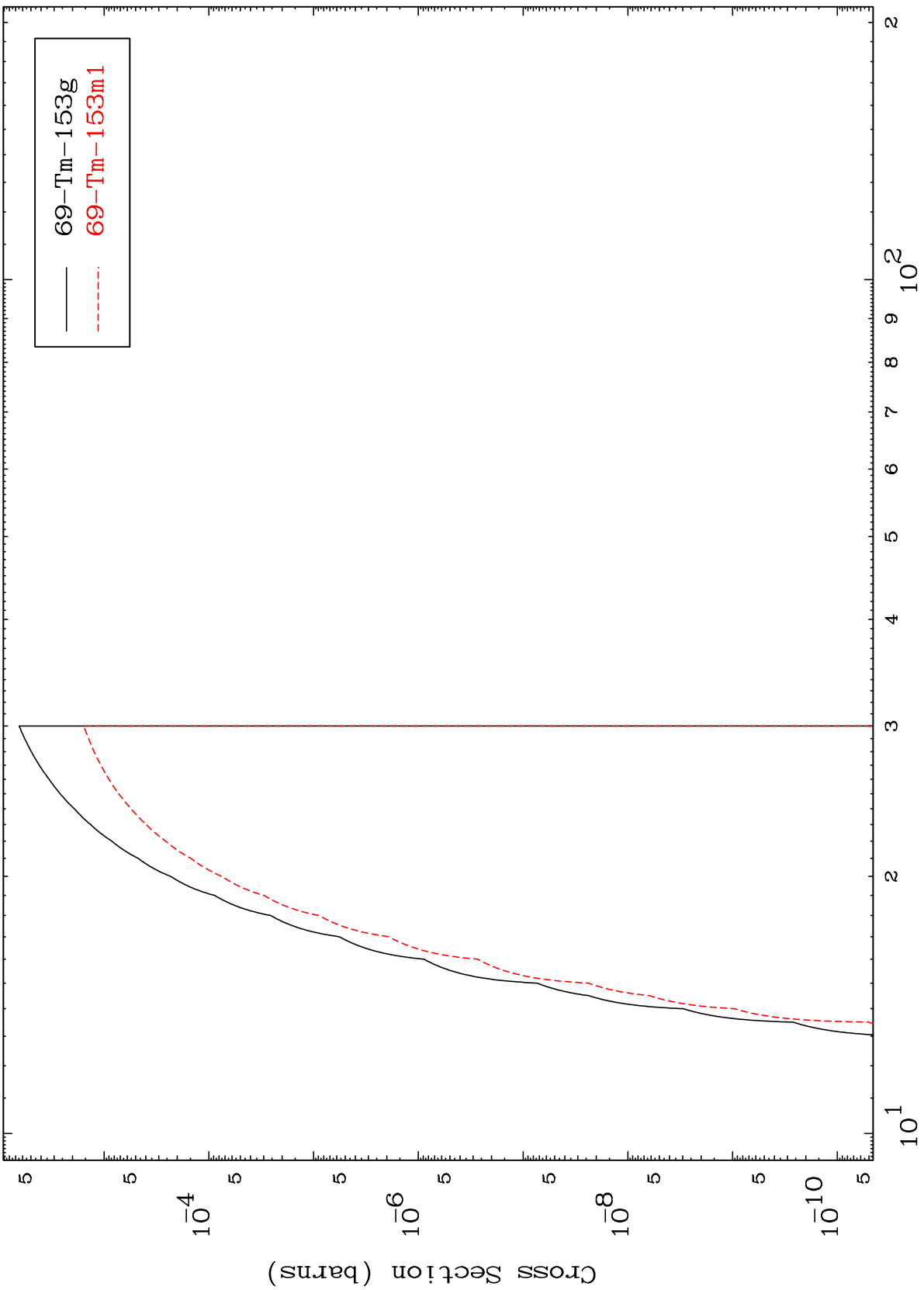
70-Yb-155

MAT 6986

(n,n') d

70-Yb-155

Radionuclide Production Cross Section



87

Incident Energy (MeV)

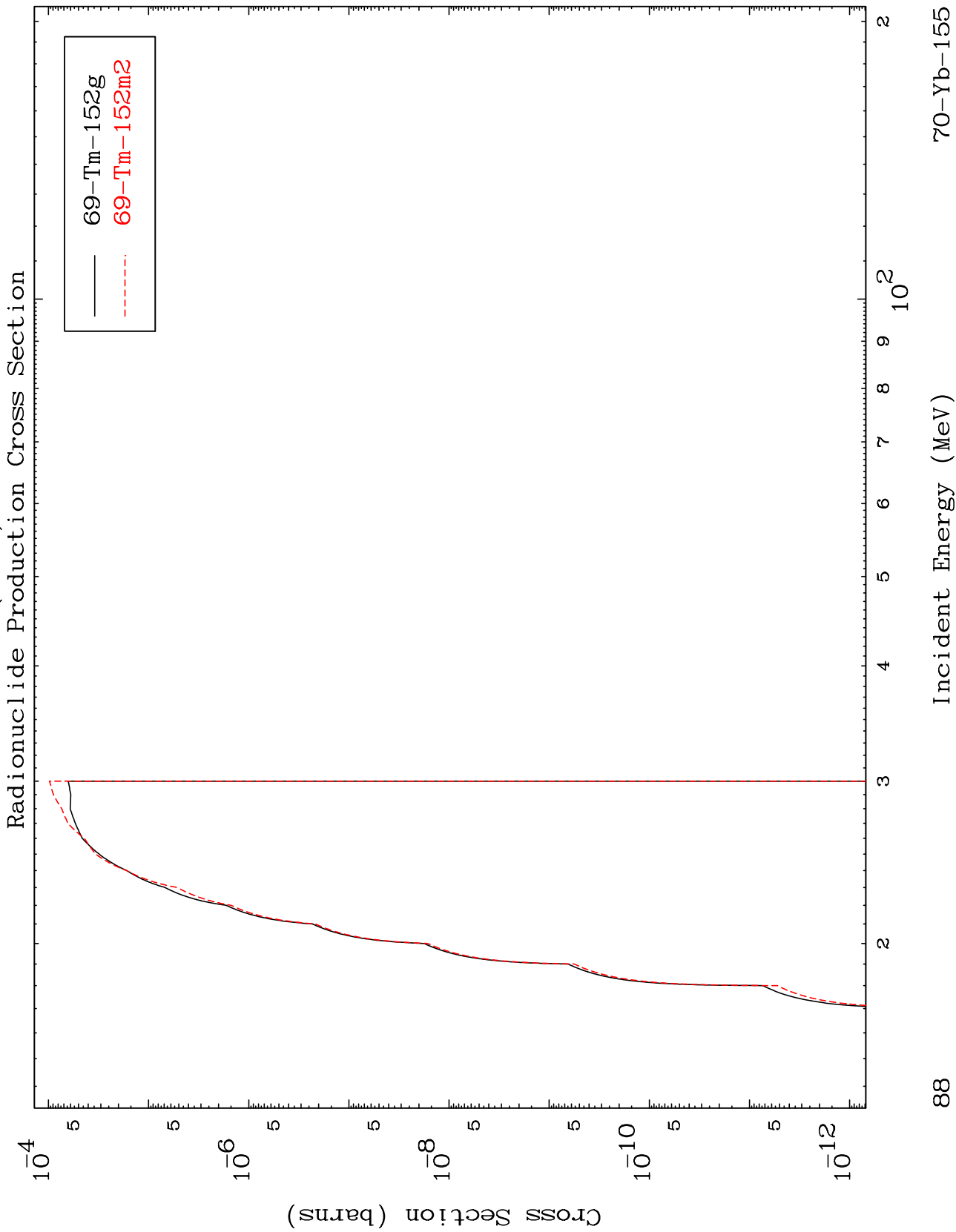
70-Yb-155



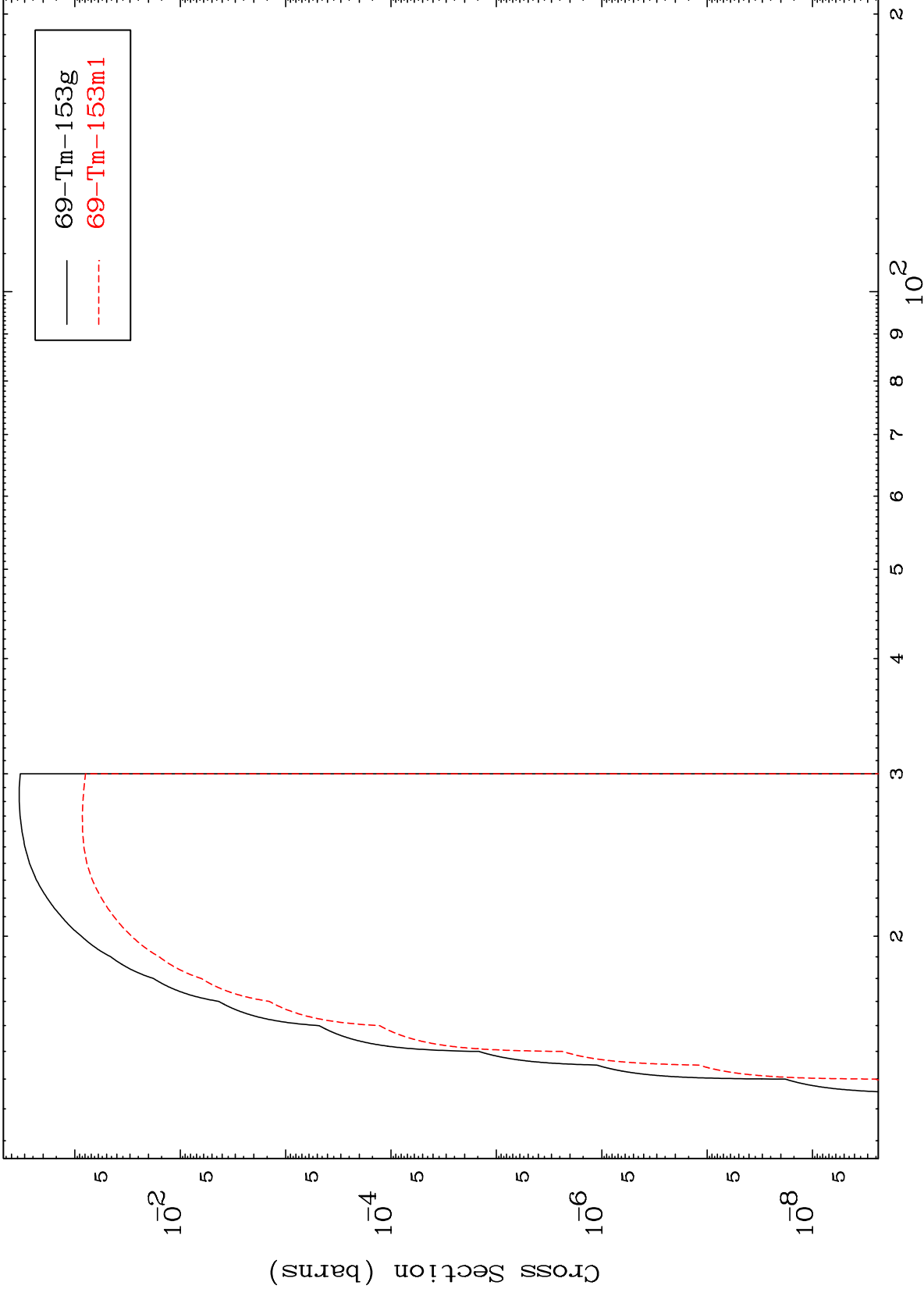
MAT 6986

(n,n') t

70-Yb-155



Radionuclide Production Cross Section

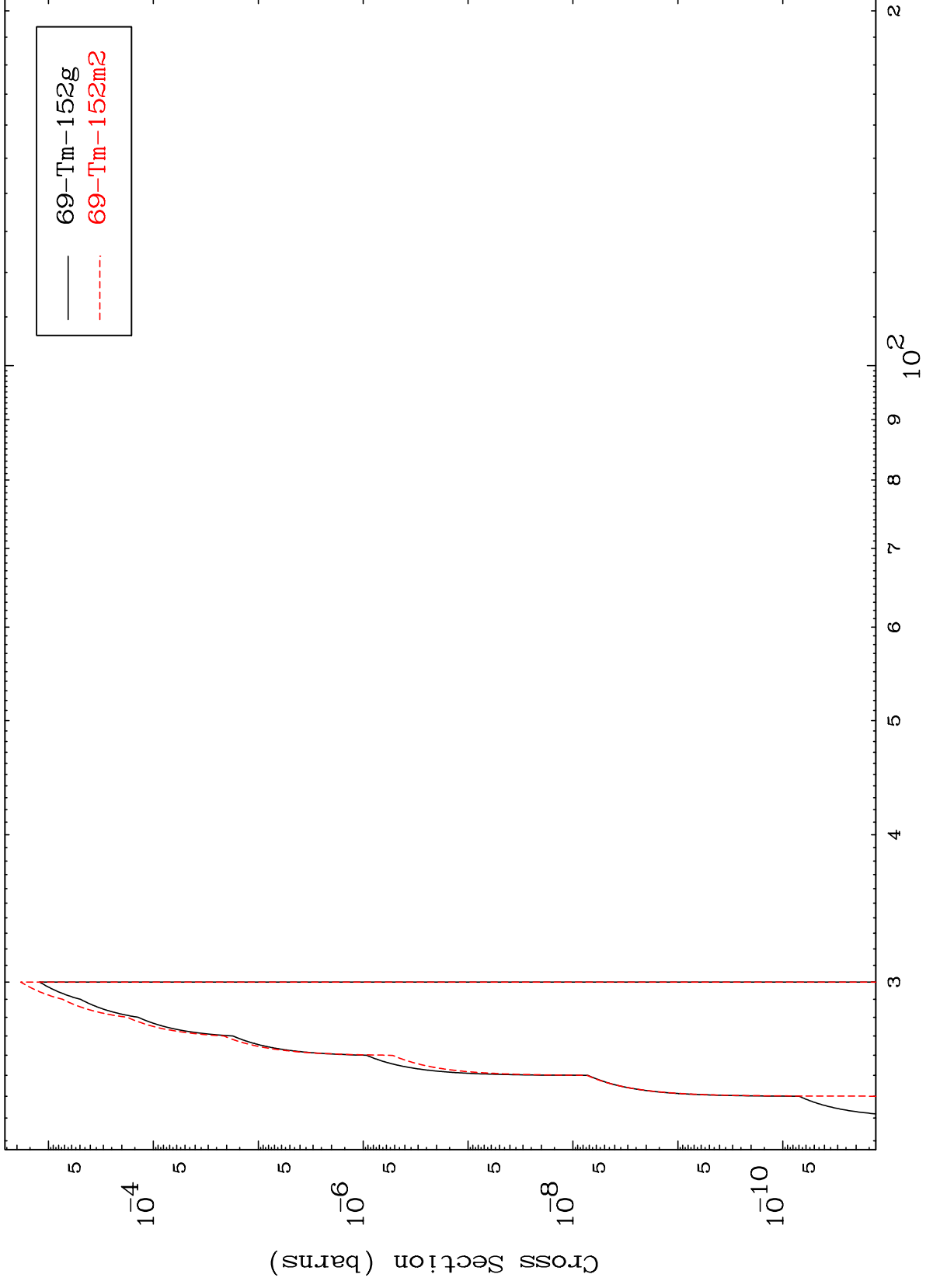


MAT 6986

(n,3n) p

70-Yb-155

Radionuclide Production Cross Section



90

Incident Energy (MeV)

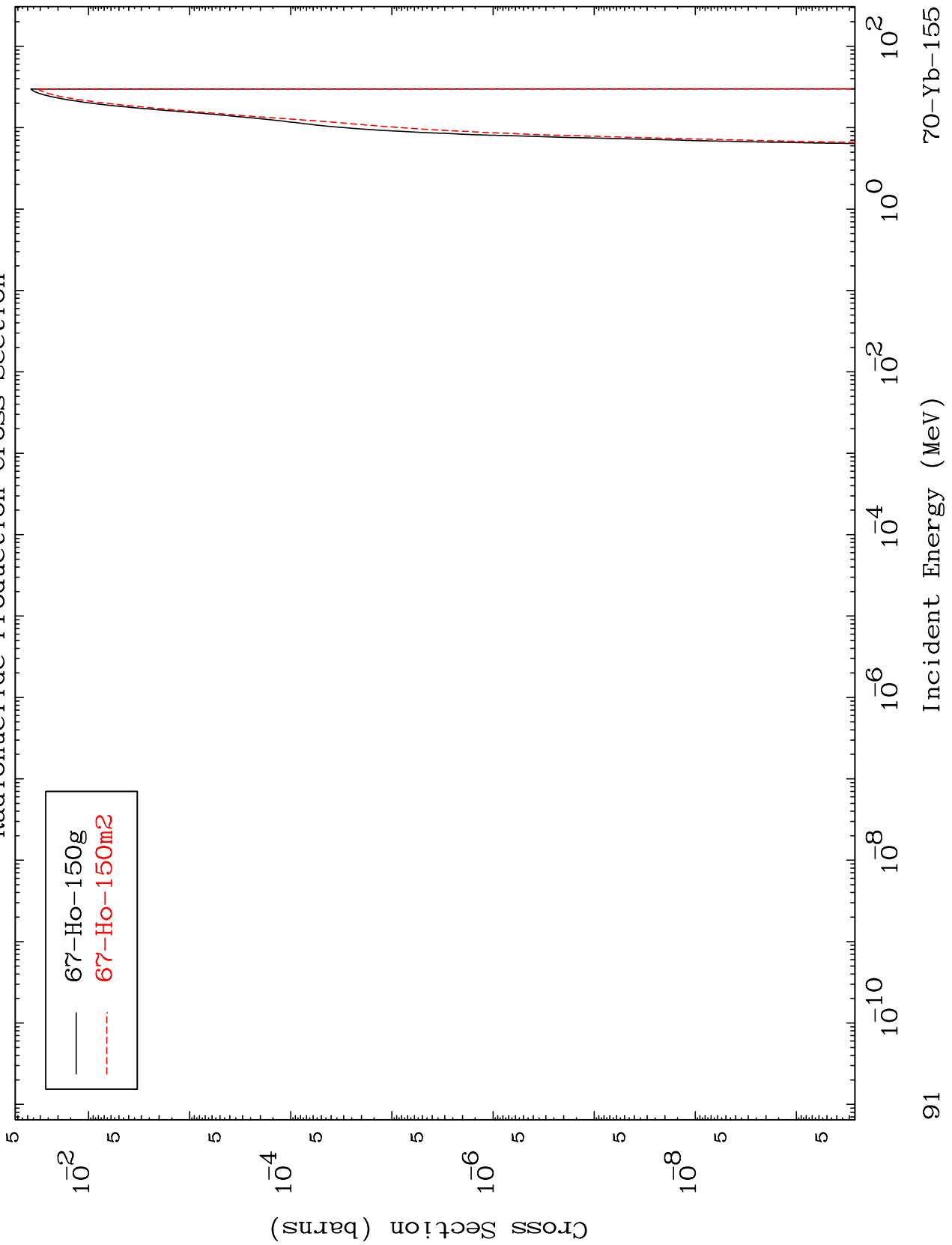
70-Yb-155

MAT 6986

(n,n') p  $\alpha$

70-Yb-155

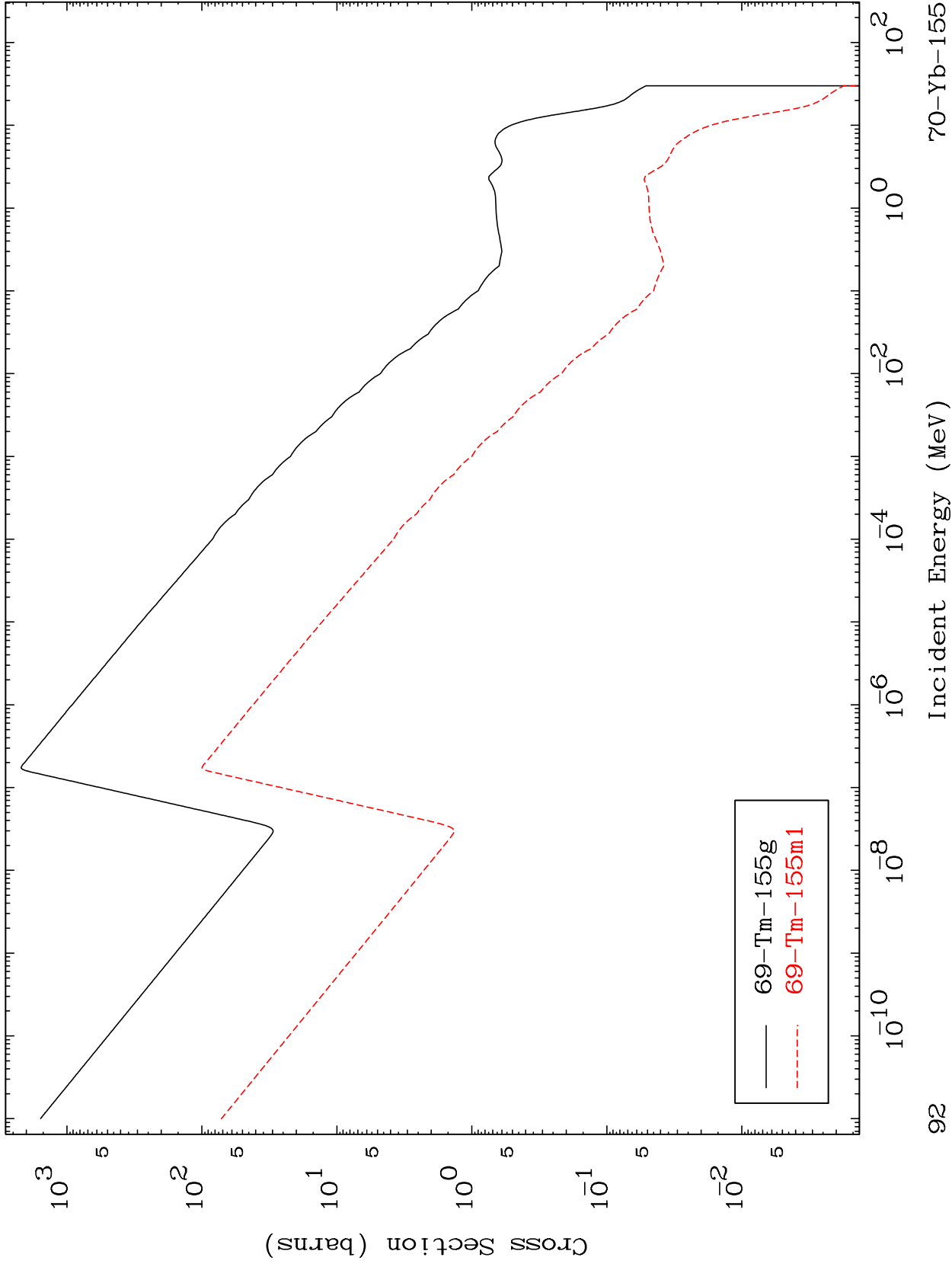
Radionuclide Production Cross Section



MAT 6986

70-Yb-155

(n,p)  
Radionuclide Production Cross Section

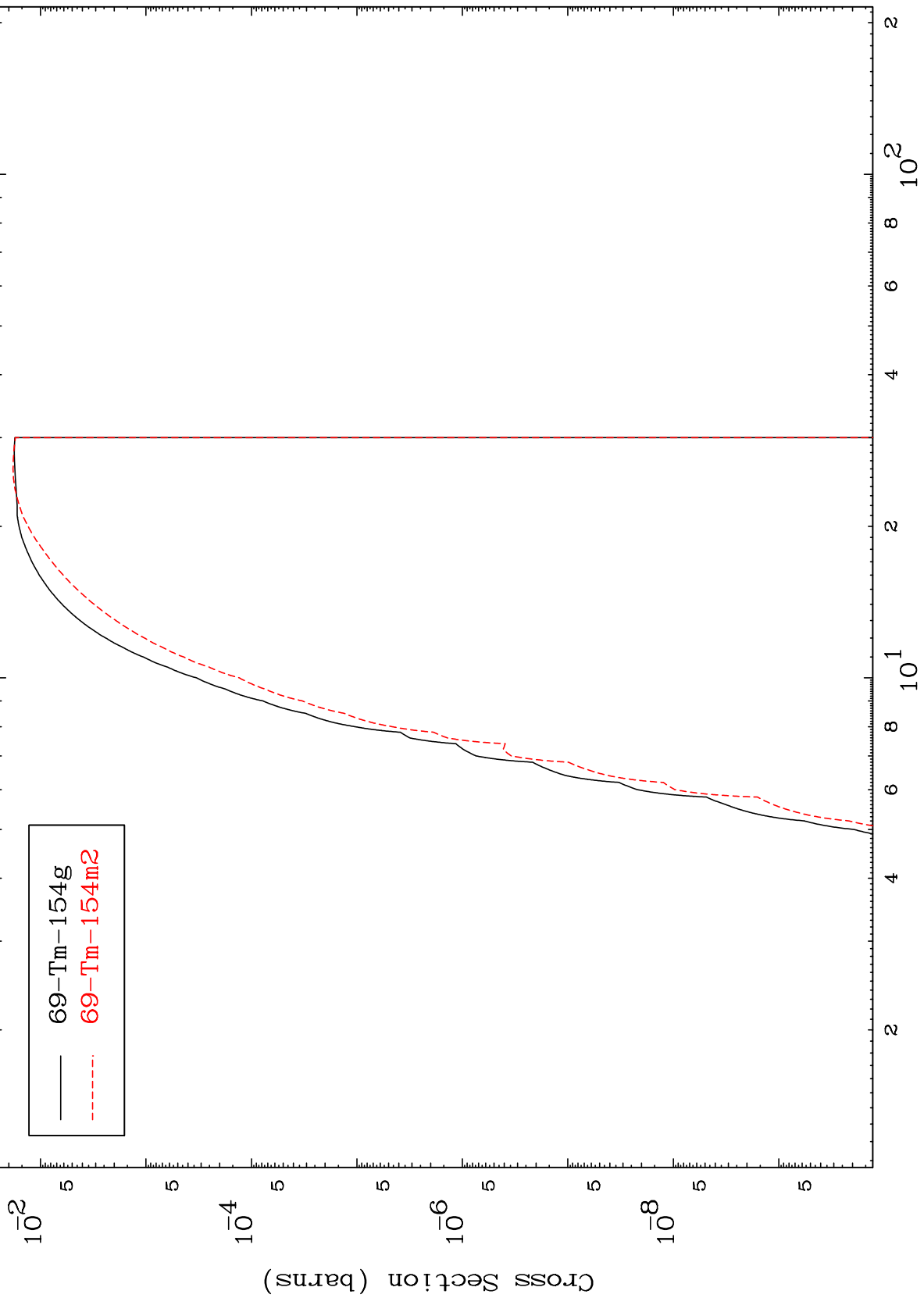


MAT 6986

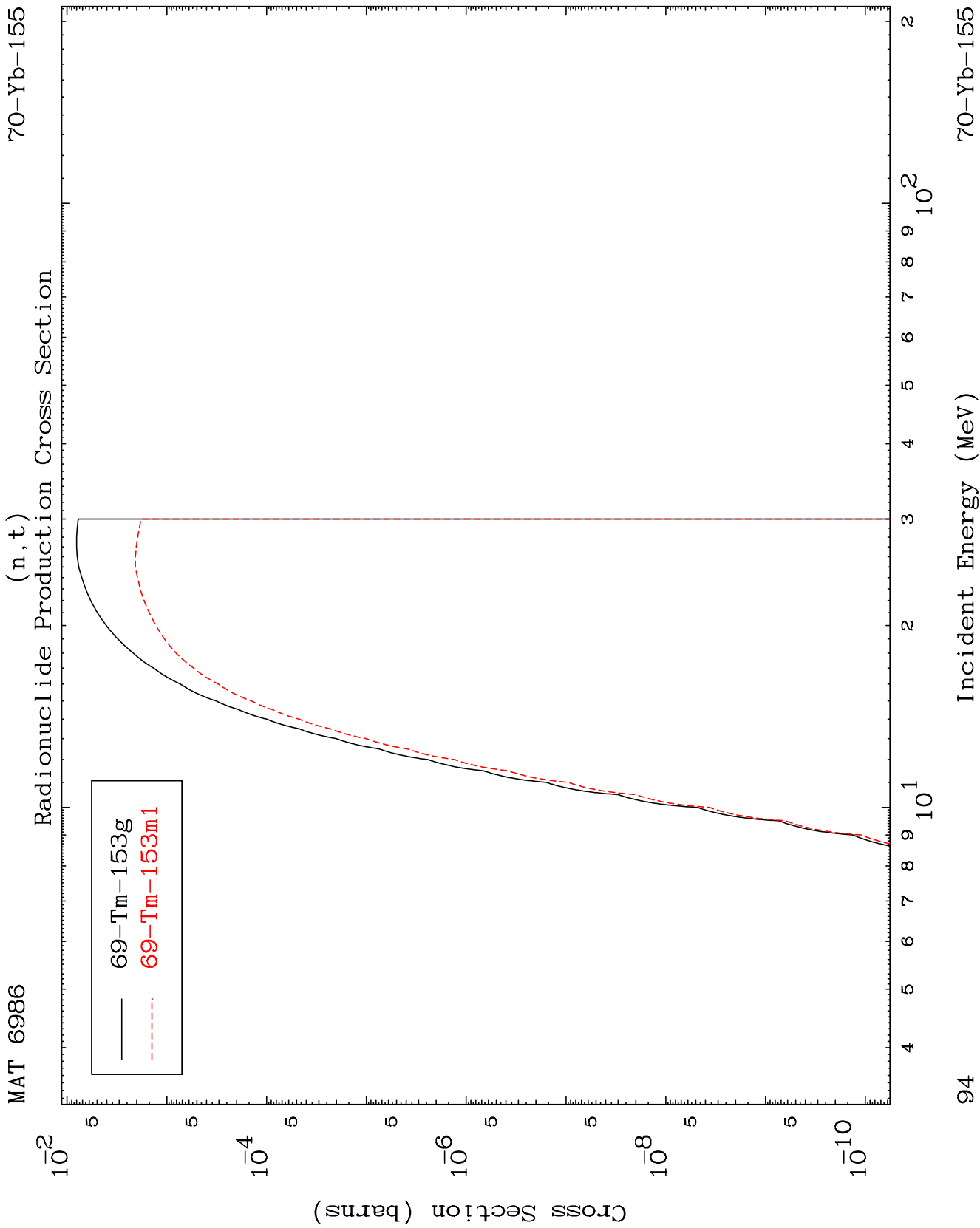
(n,d)

70-Yb-155

Radionuclide Production Cross Section



69-Tm-154g  
69-Tm-154m2

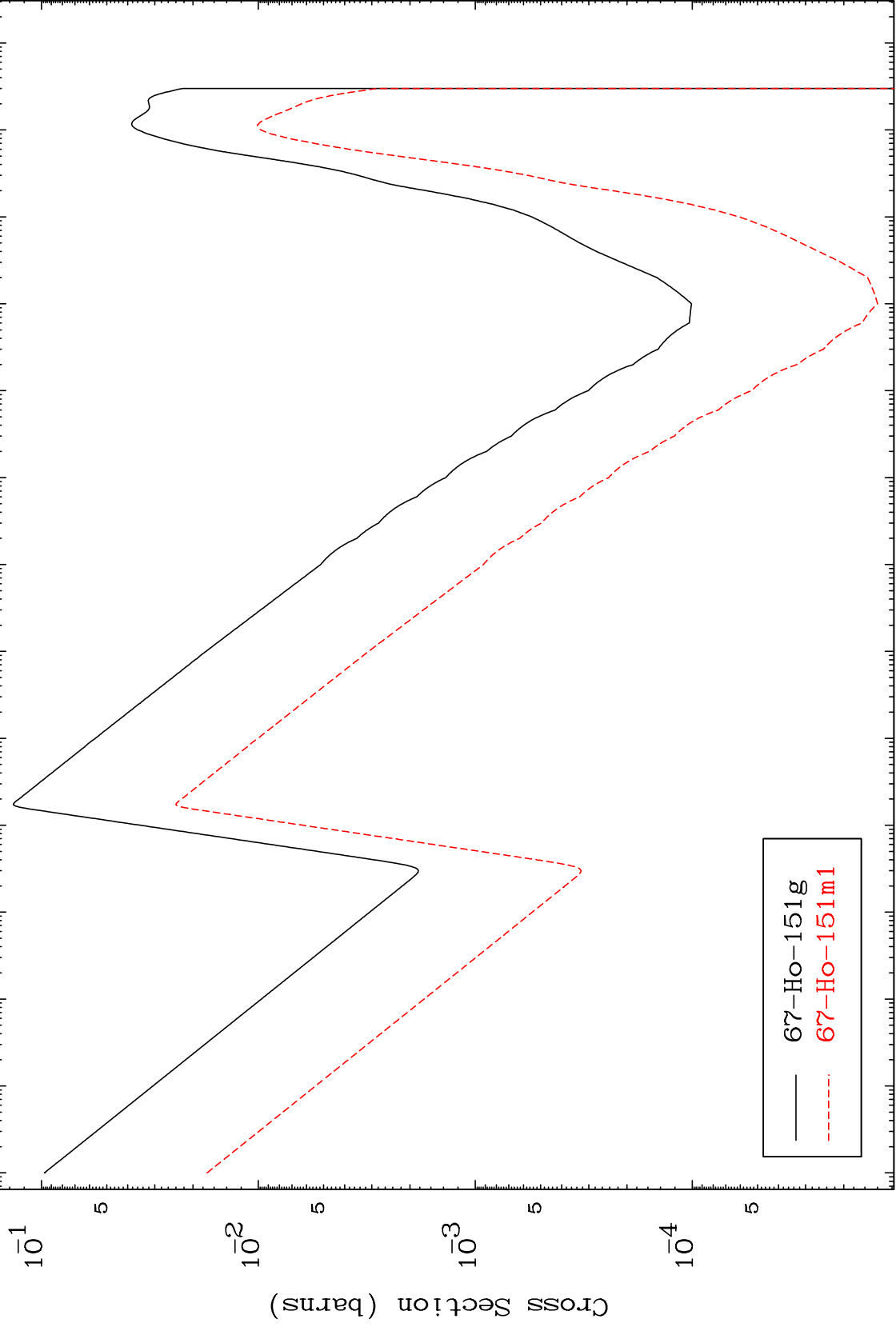


MAT 6986

(n,p)  $\alpha$

70-Yb-155

Radionuclide Production Cross Section



70-Yb-155

$10^2$

$10^0$

$10^{-2}$

$10^{-4}$

$10^{-6}$

$10^{-8}$

$10^{-10}$

Incident Energy (MeV)

70-Yb-155

95

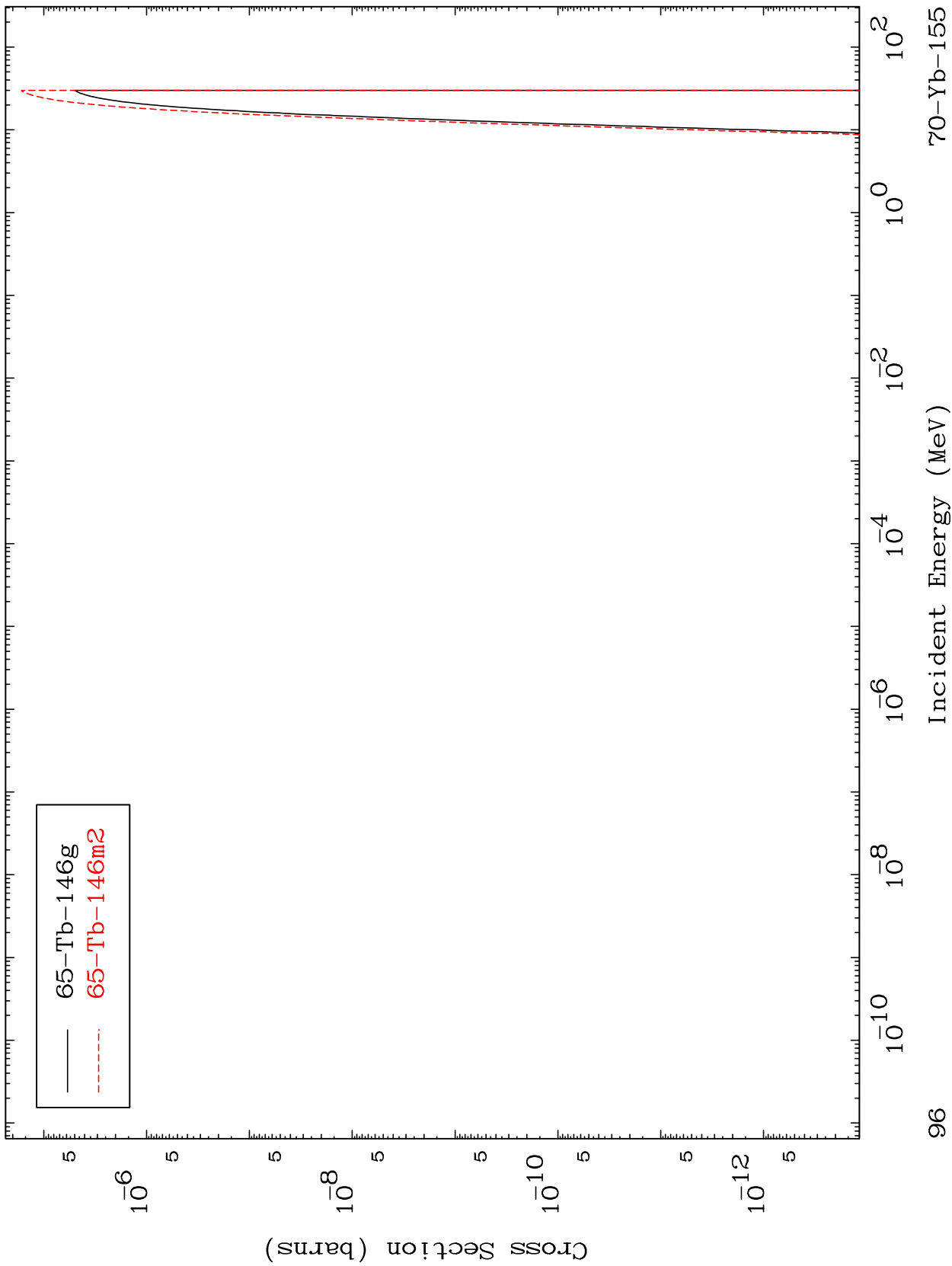


MAT 6986

(n,d) 2 $\alpha$

70-Yb-155

Radionuclide Production Cross Section



MAT 6986

(n,d)  $\alpha$

70-Yb-155

Radionuclide Production Cross Section

