

Program EVALPLOT  
(Version 2015-2)

by

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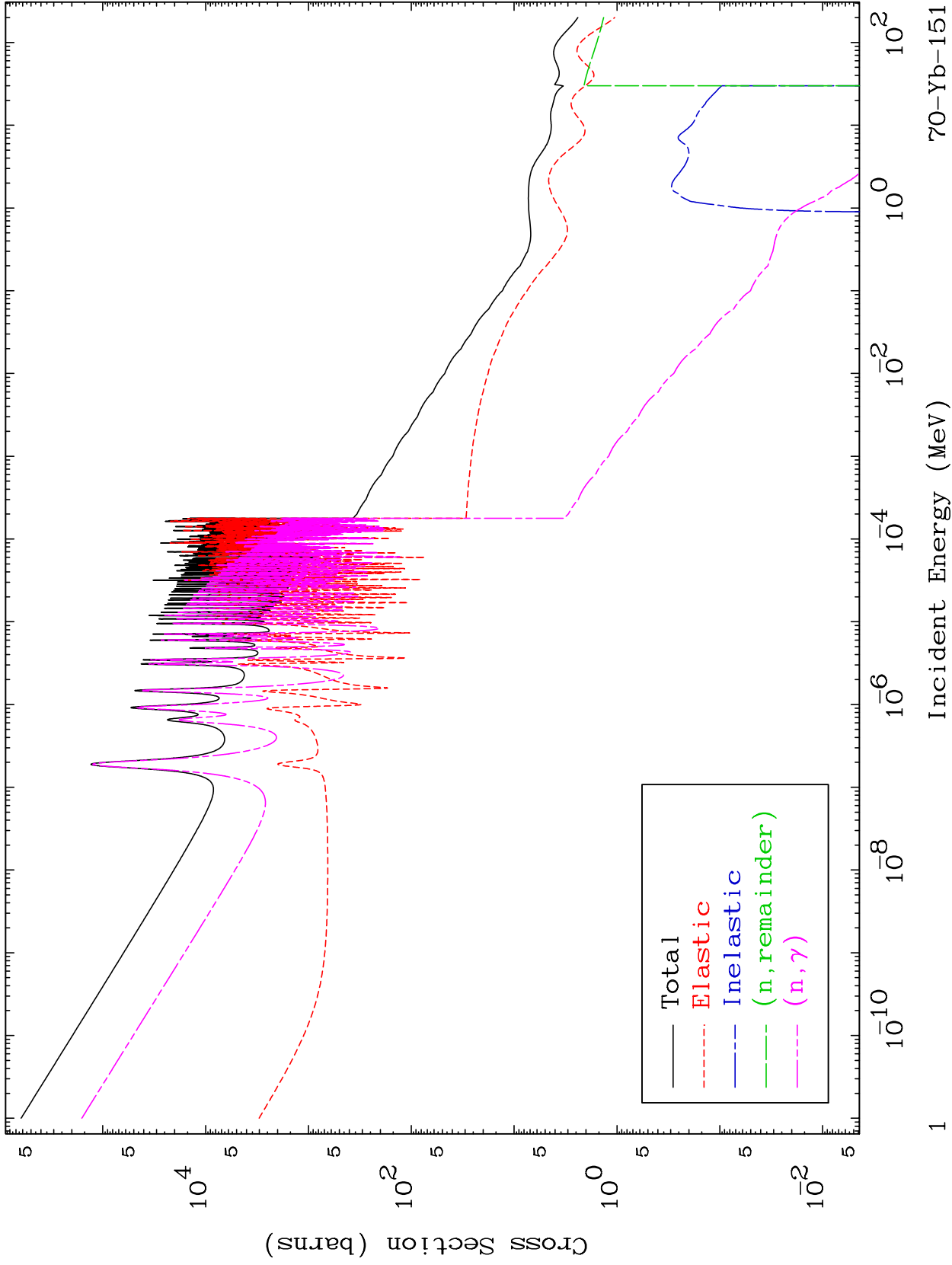
Press Mouse Button to Start

MAT 6974

Major

293 Kelvin Cross Sections

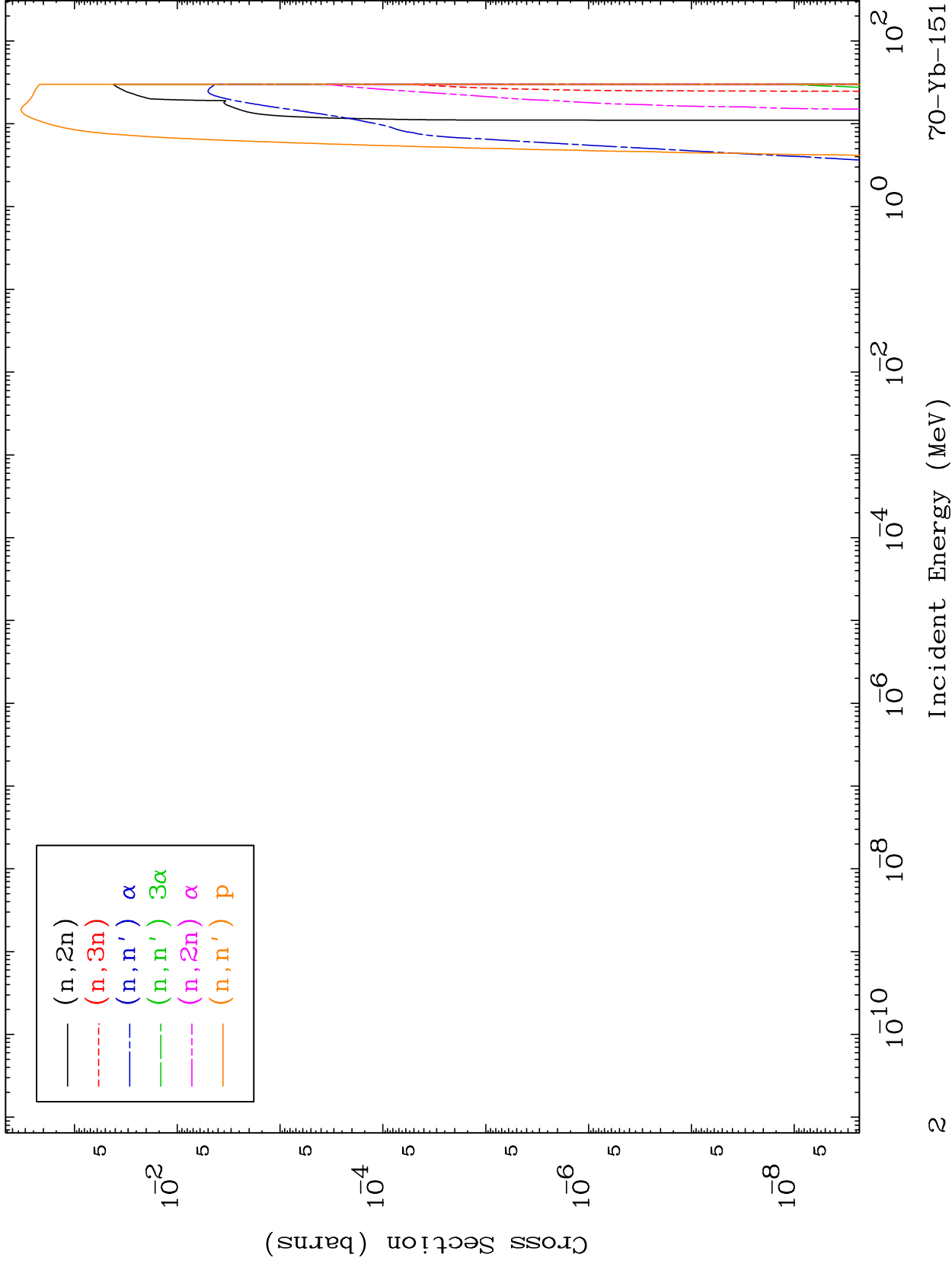
70-Yb-151



MAT 6974

Neutron Production  
293 Kelvin Cross Sections

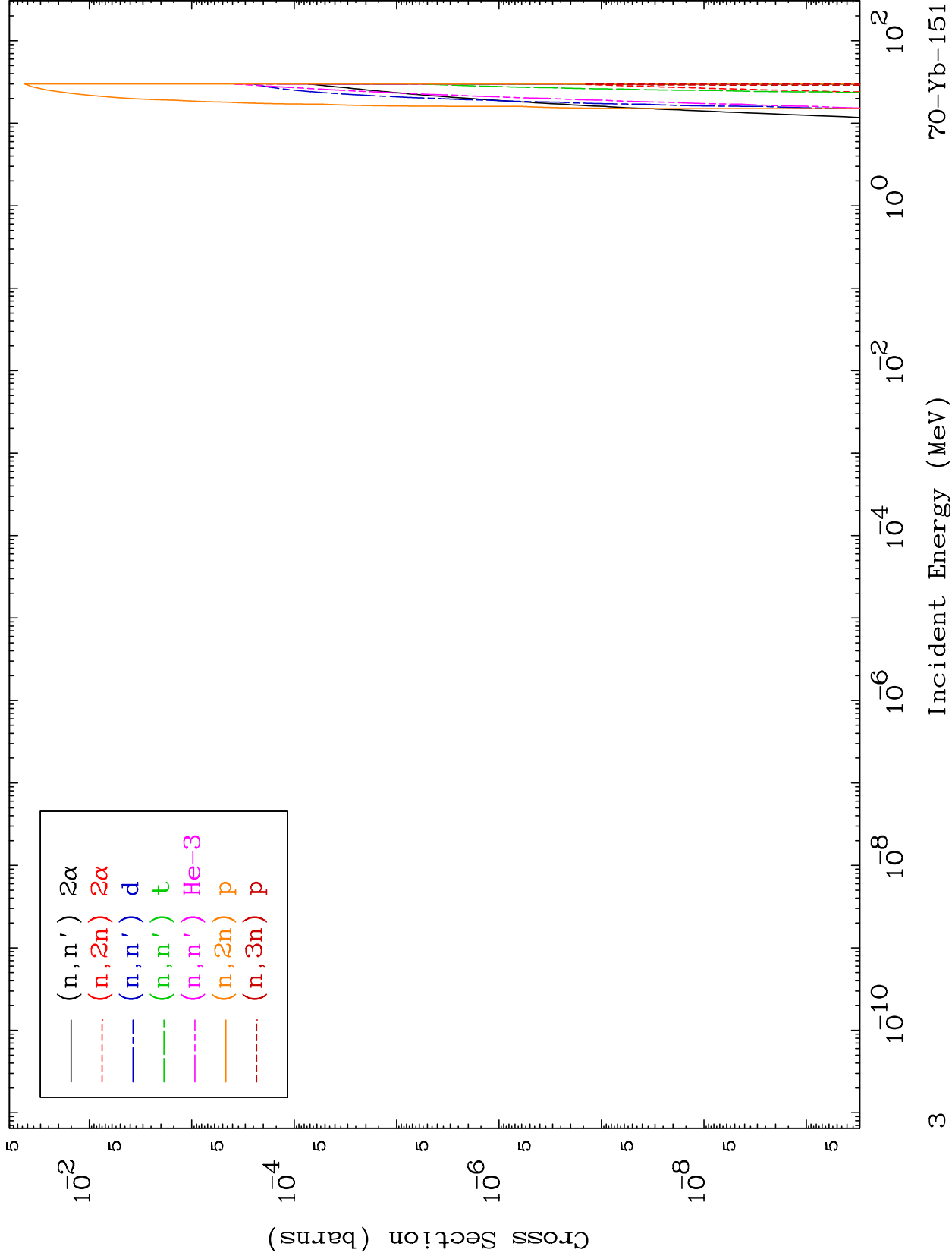
70-Yb-151



MAT 6974

Neutron Production  
293 Kelvin Cross Sections

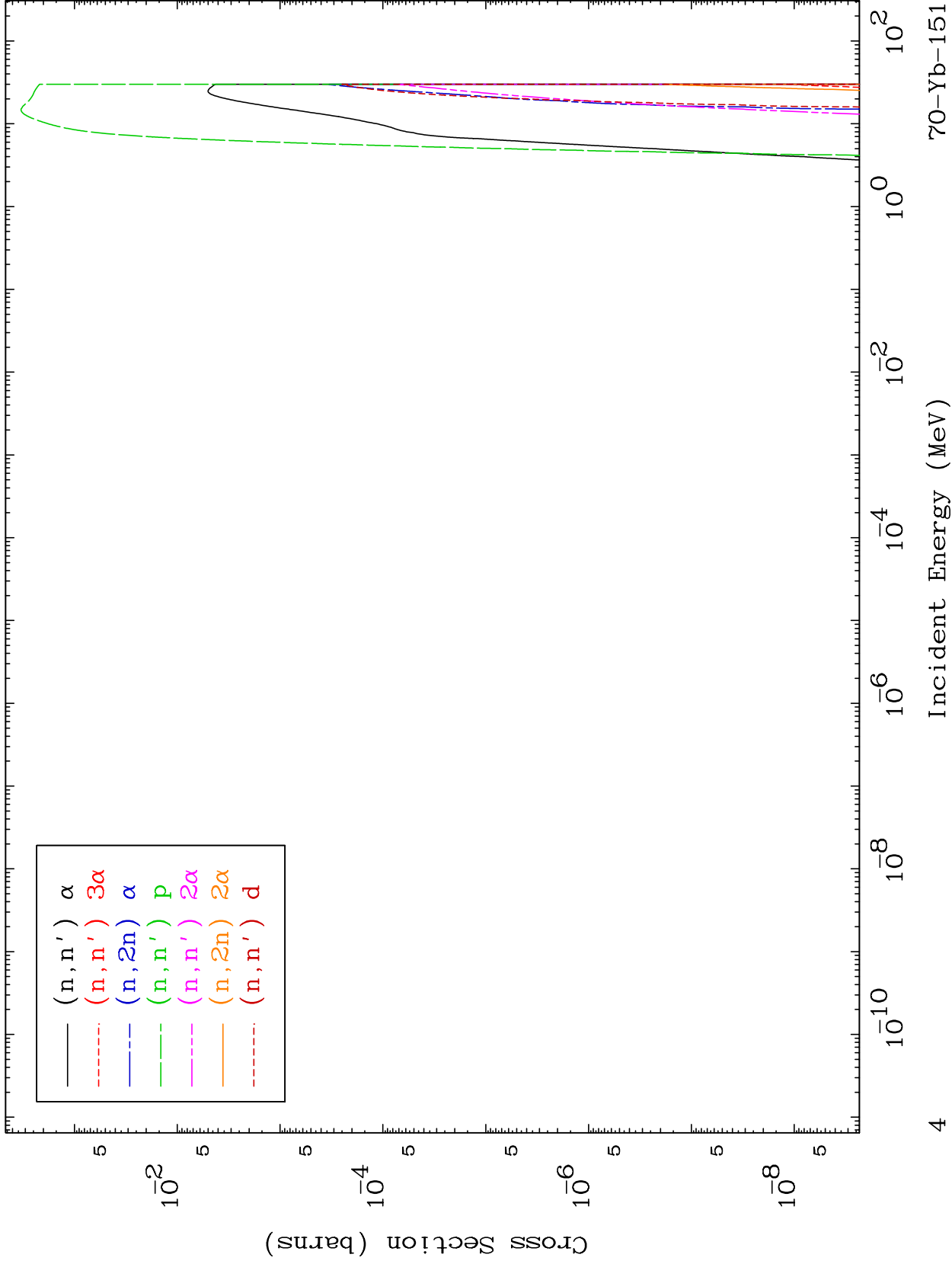
70-Yb-151



MAT 6974

Charged Particle  
293 Kelvin Cross Sections

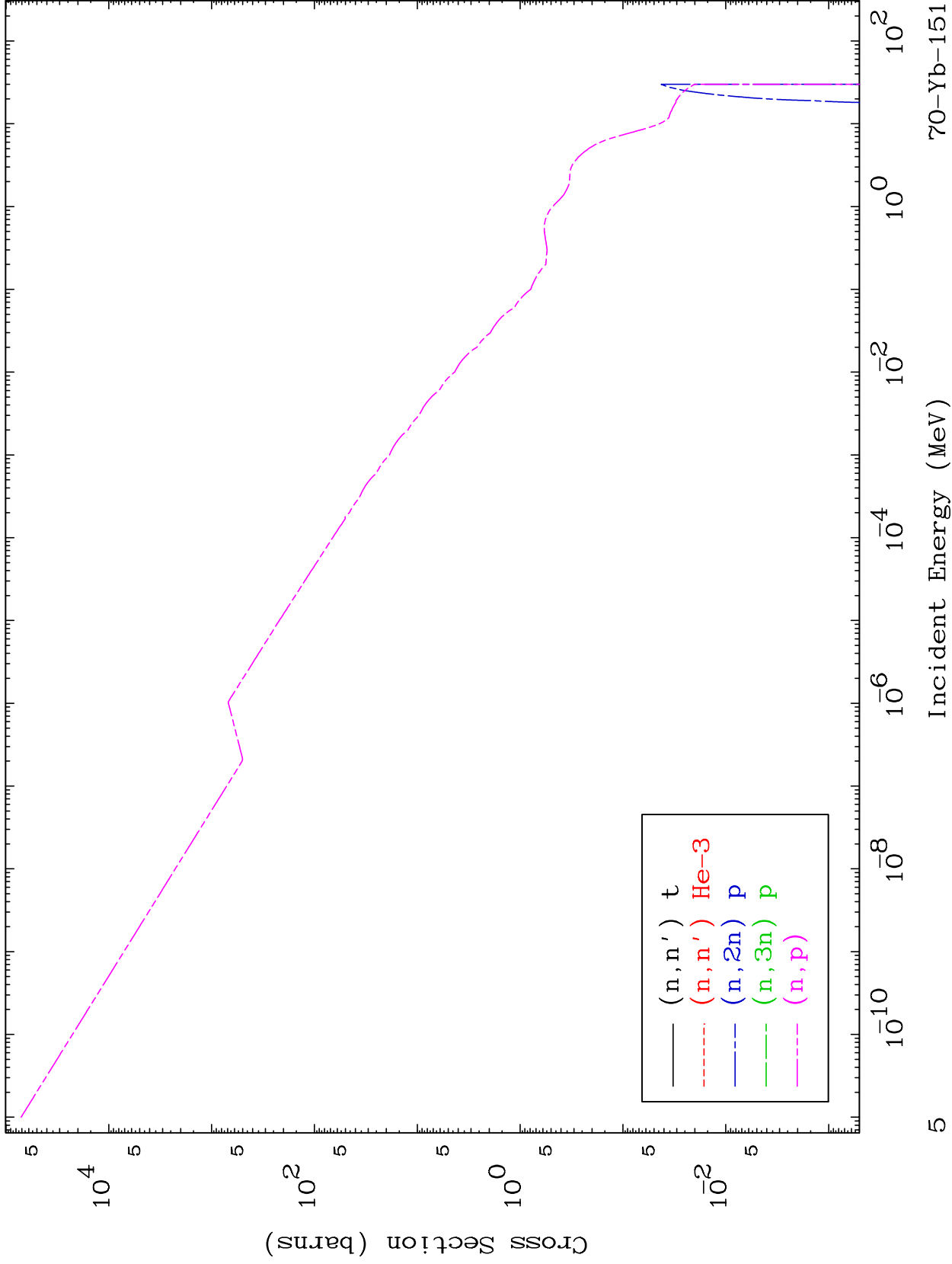
70-Yb-151



MAT 6974

Charged Particle  
293 Kelvin Cross Sections

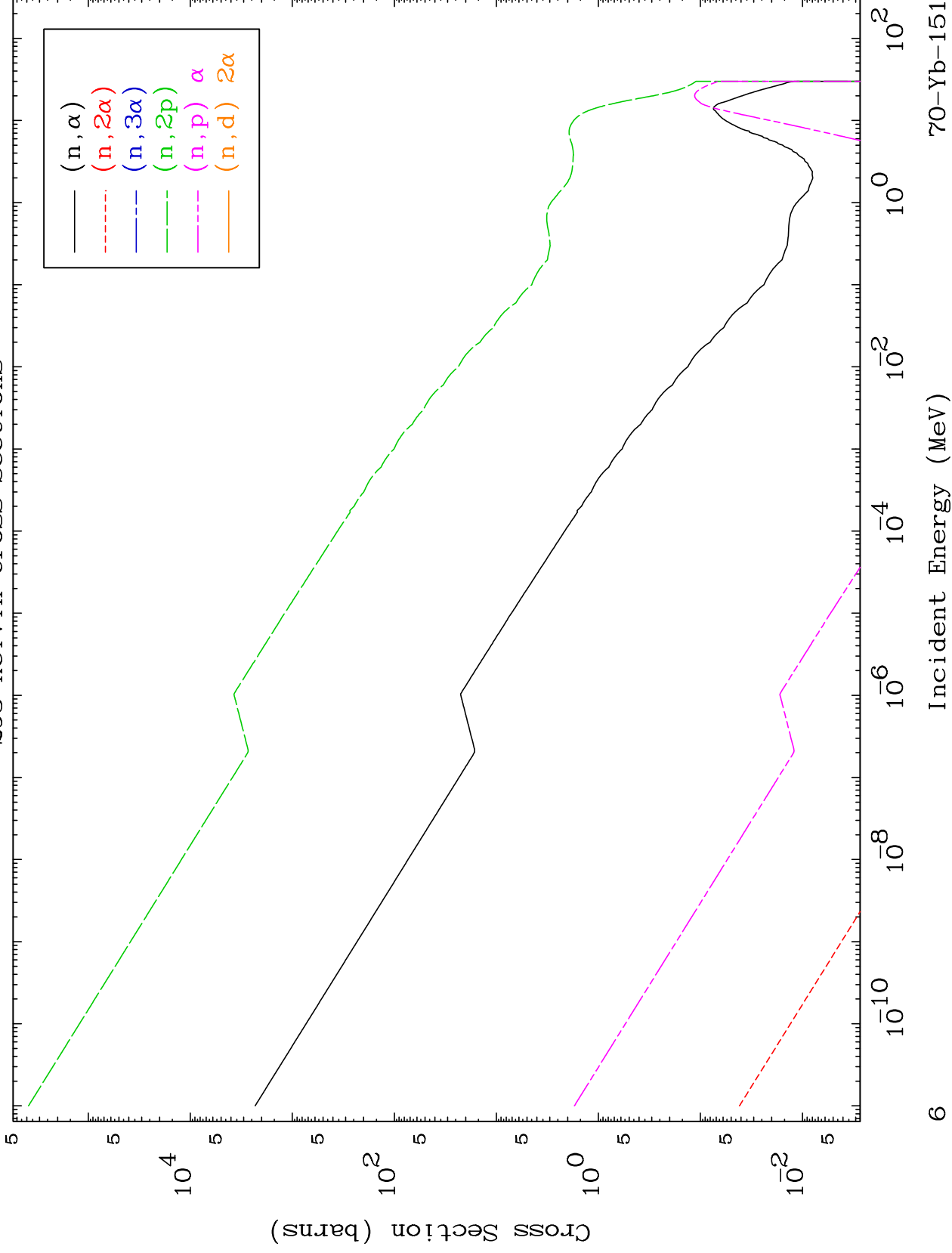
70-Yb-151



MAT 6974

Charged Particle  
293 Kelvin Cross Sections

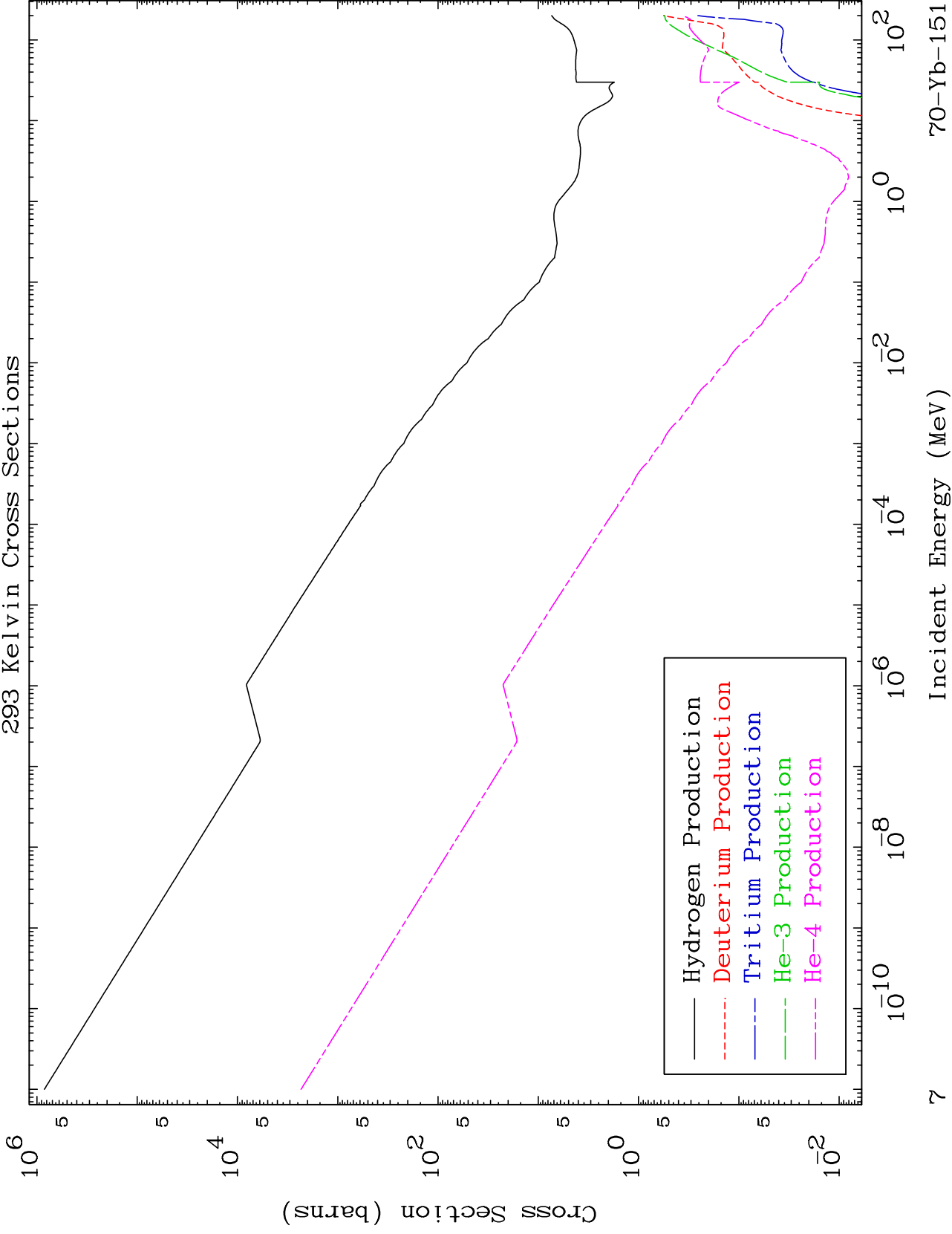
70-Yb-151



MAT 6974

Particle Production  
293 Kelvin Cross Sections

70-Yb-151



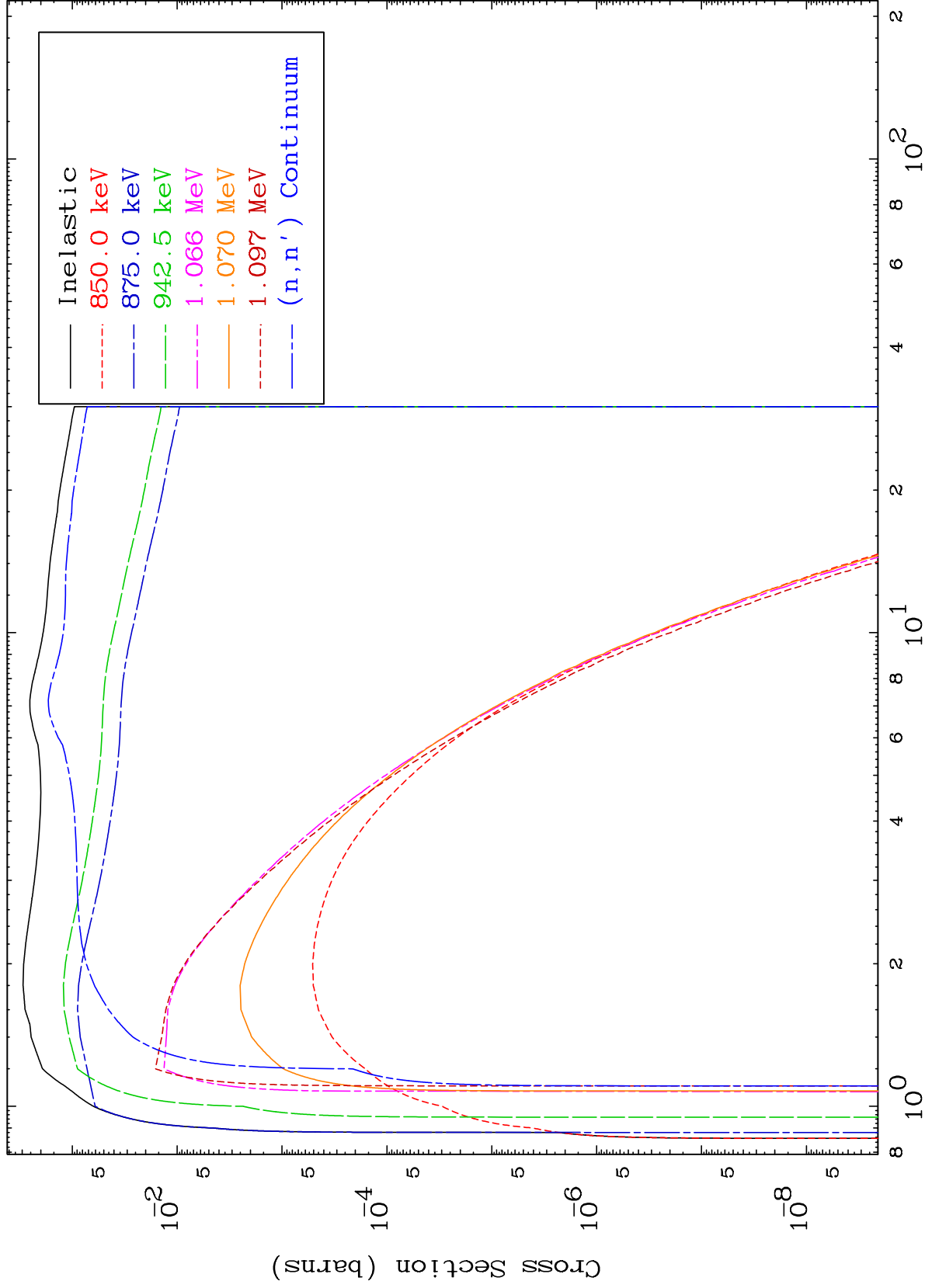


MAT 6974

(n,n') Level

70-Yb-151

293 Kelvin Cross Sections



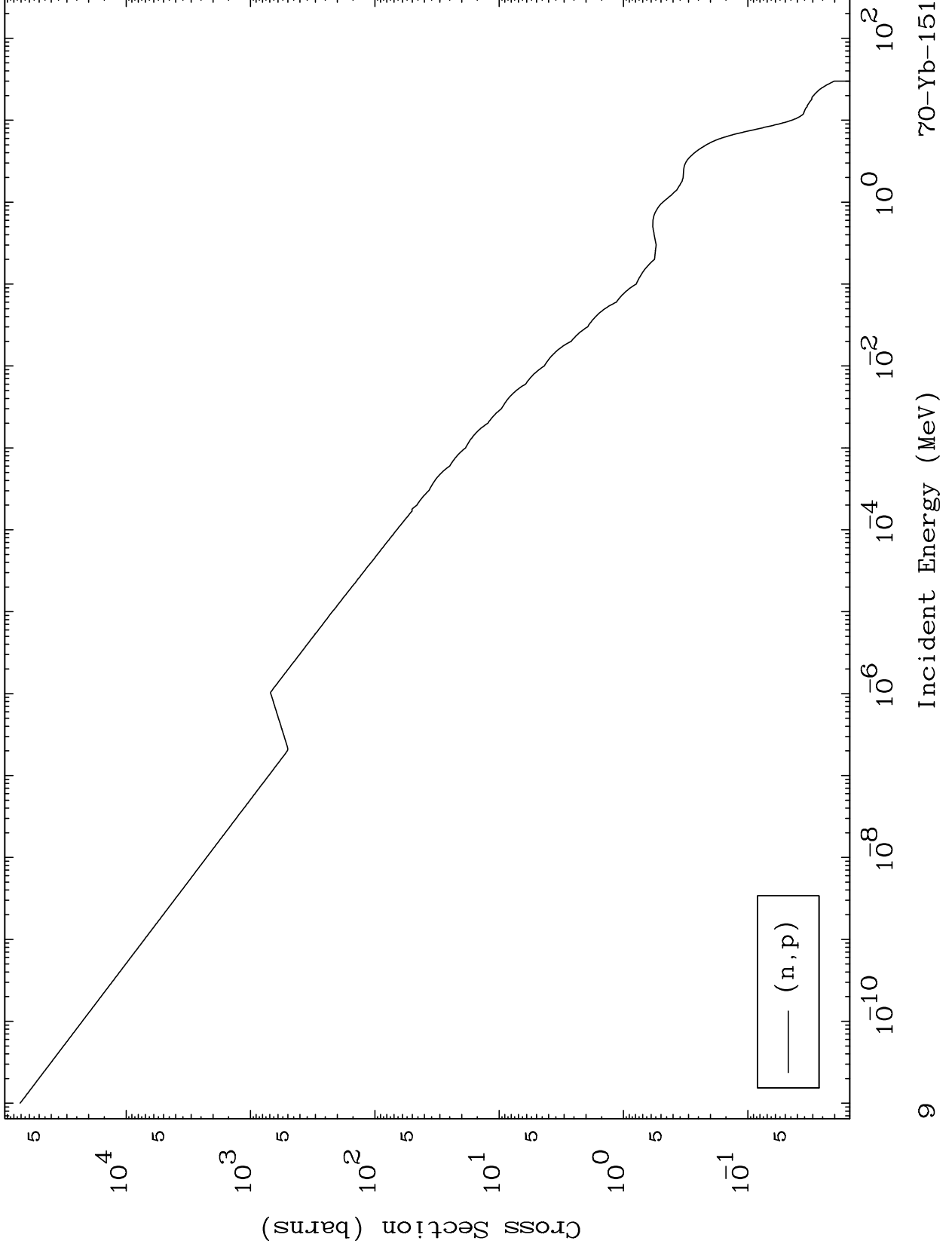
Incident Energy (MeV)

70-Yb-151

MAT 6974

(n,p) Levels  
293 Kelvin Cross Sections

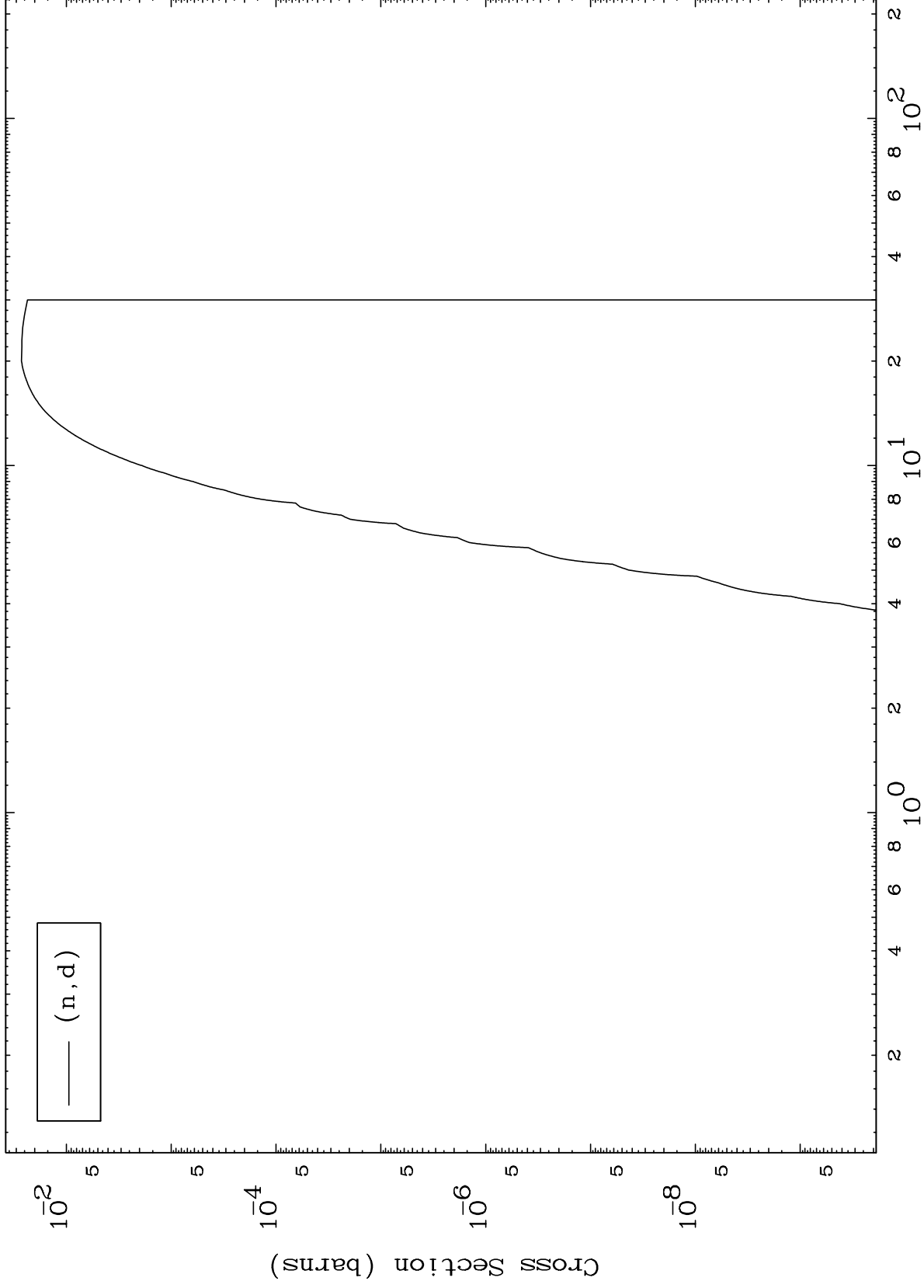
70-Yb-151



MAT 6974

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-151



10

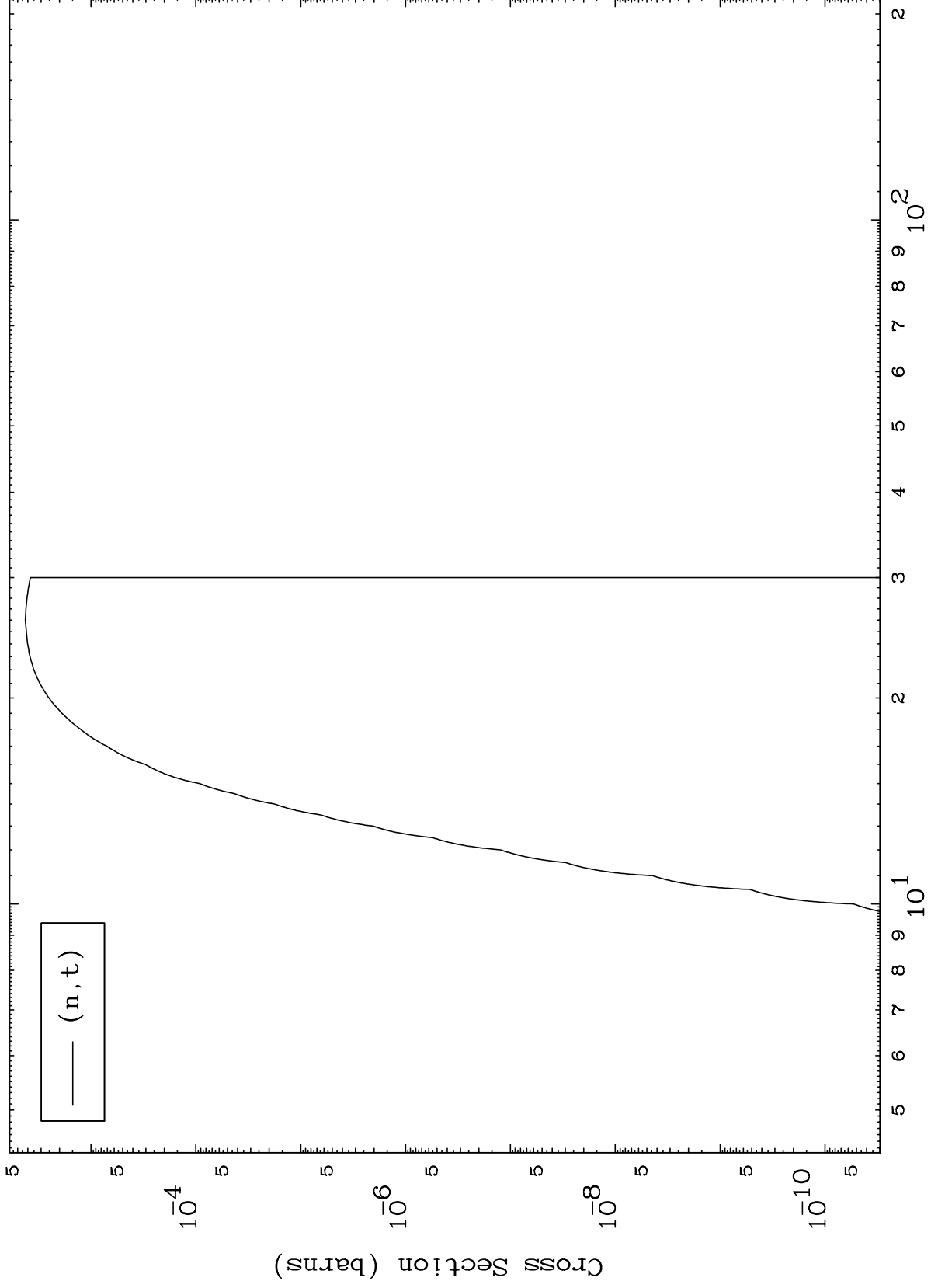
Incident Energy (MeV)

70-Yb-151

MAT 6974

(n,t) Levels  
293 Kelvin Cross Sections

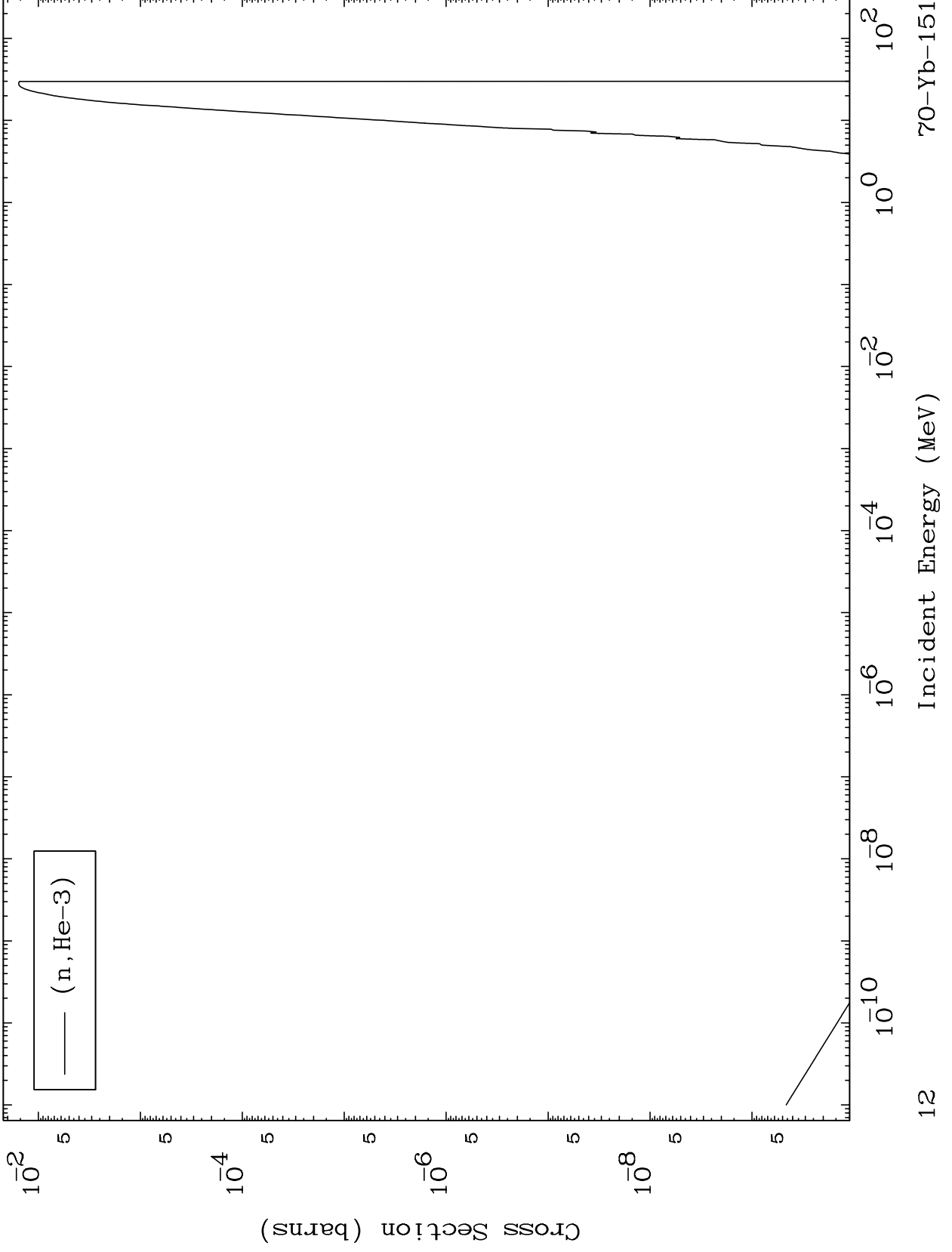
70-Yb-151



MAT 6974

(n,He3) Levels  
293 Kelvin Cross Sections

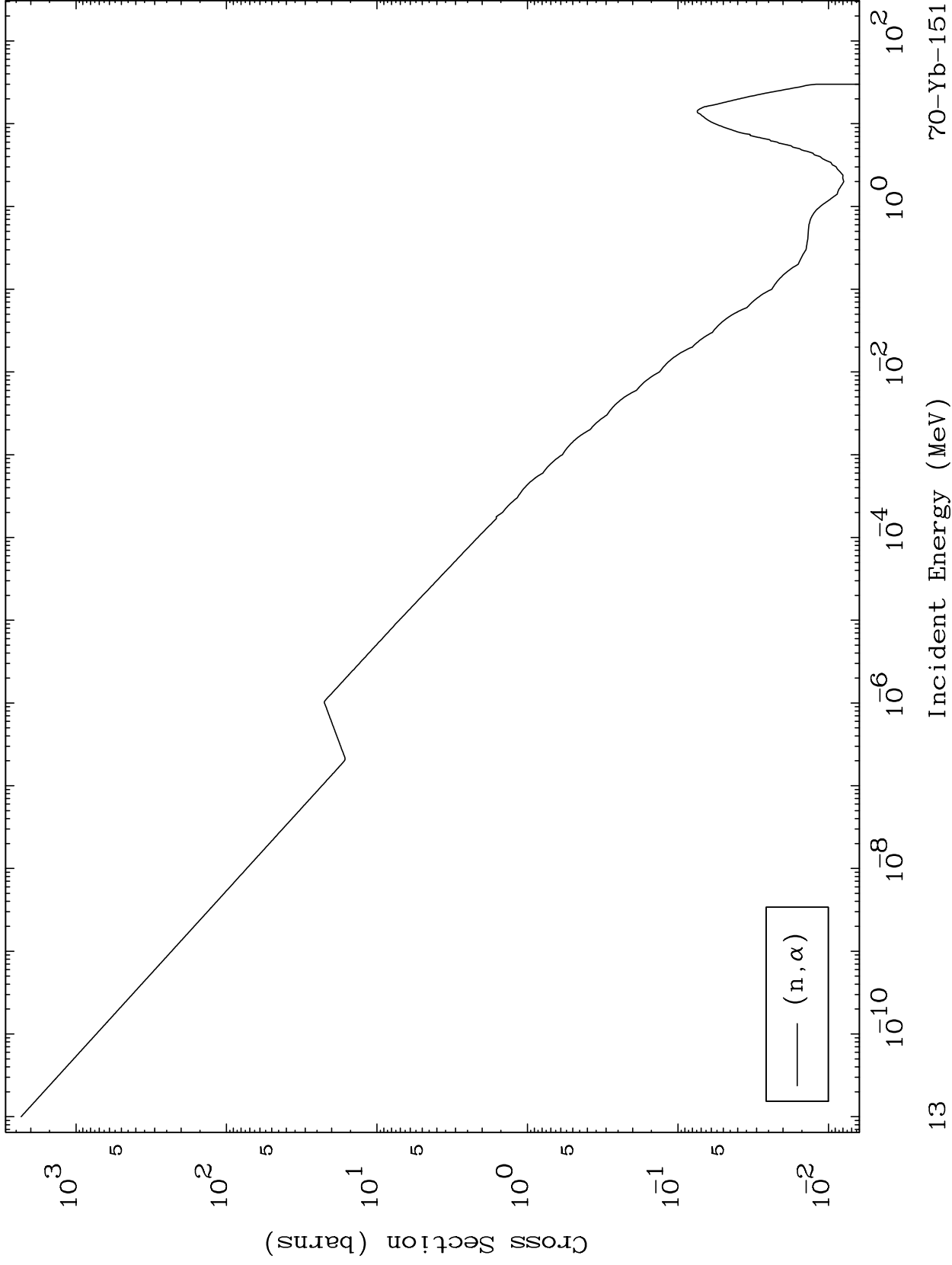
70-Yb-151

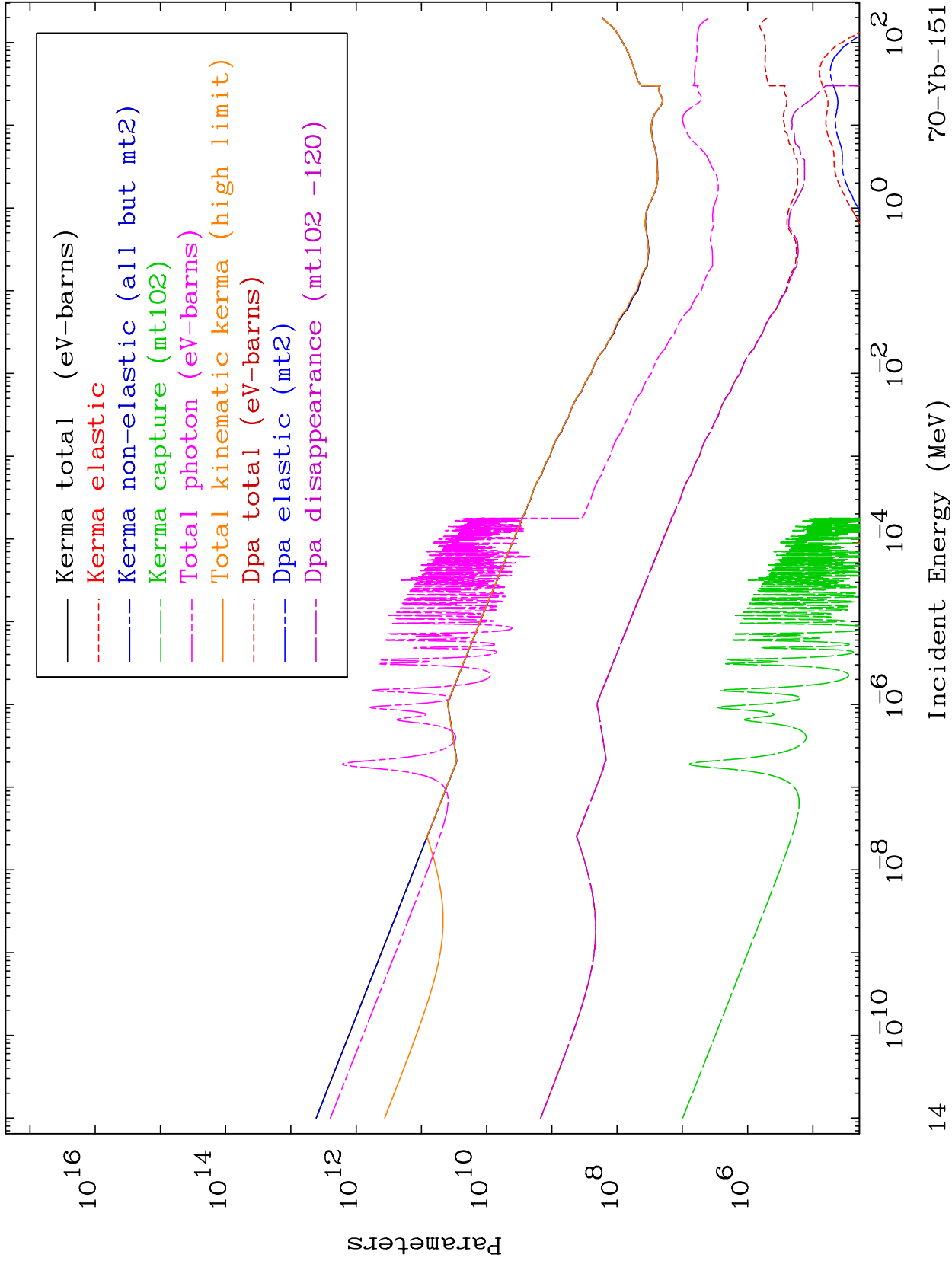


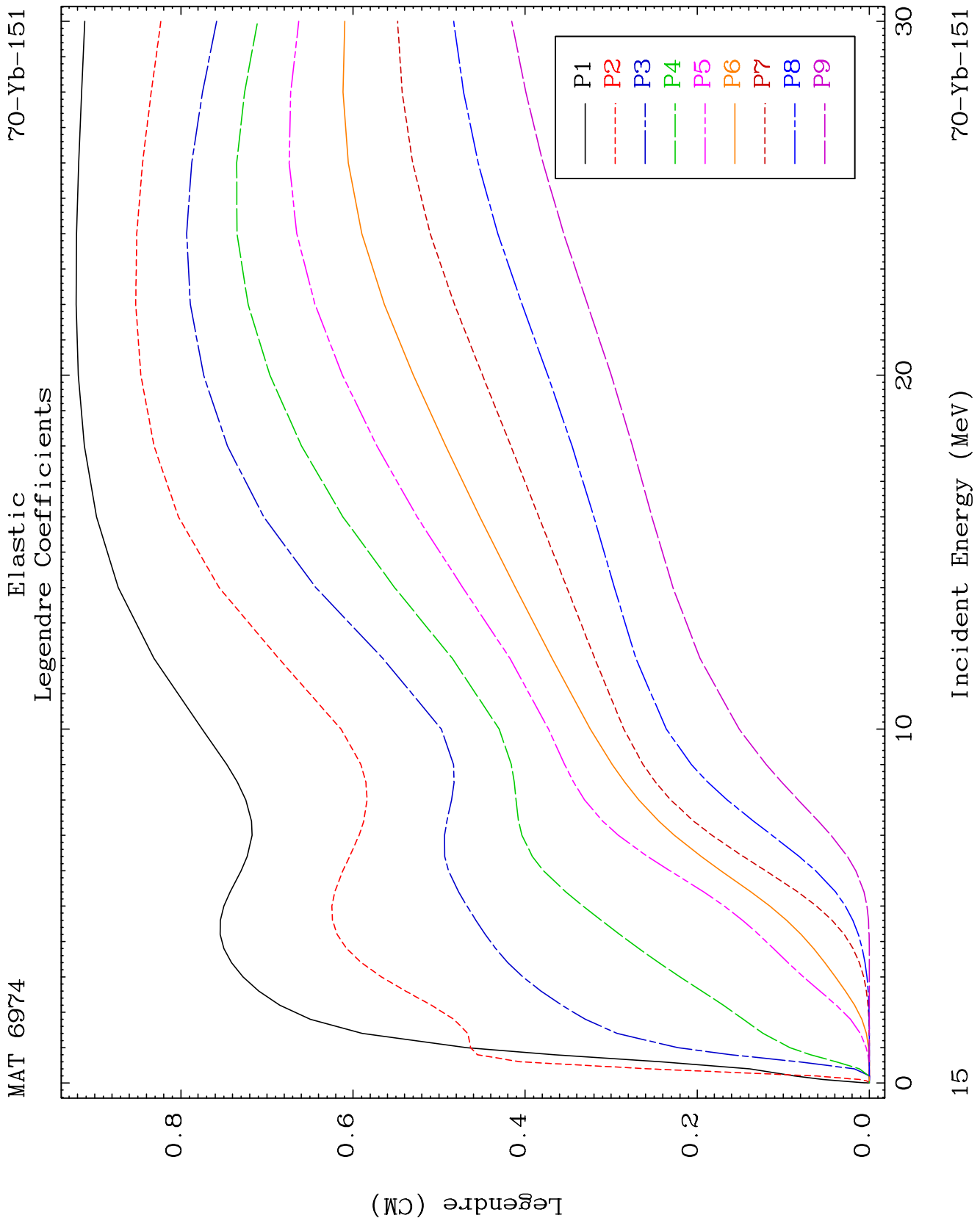
MAT 6974

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

70-Yb-151





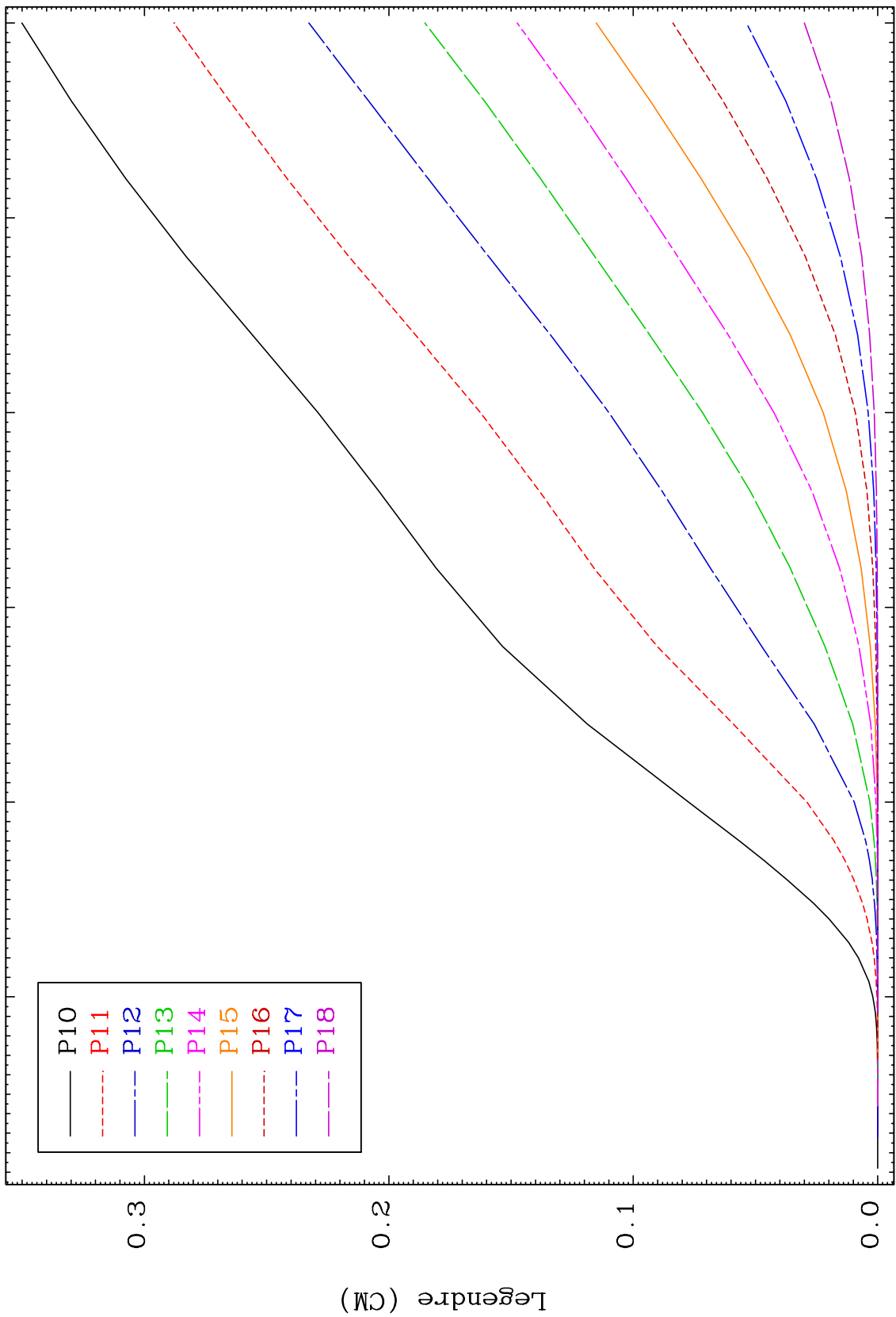




MAT 6974

Elastic  
Legendre Coefficients

70-Yb-151



16

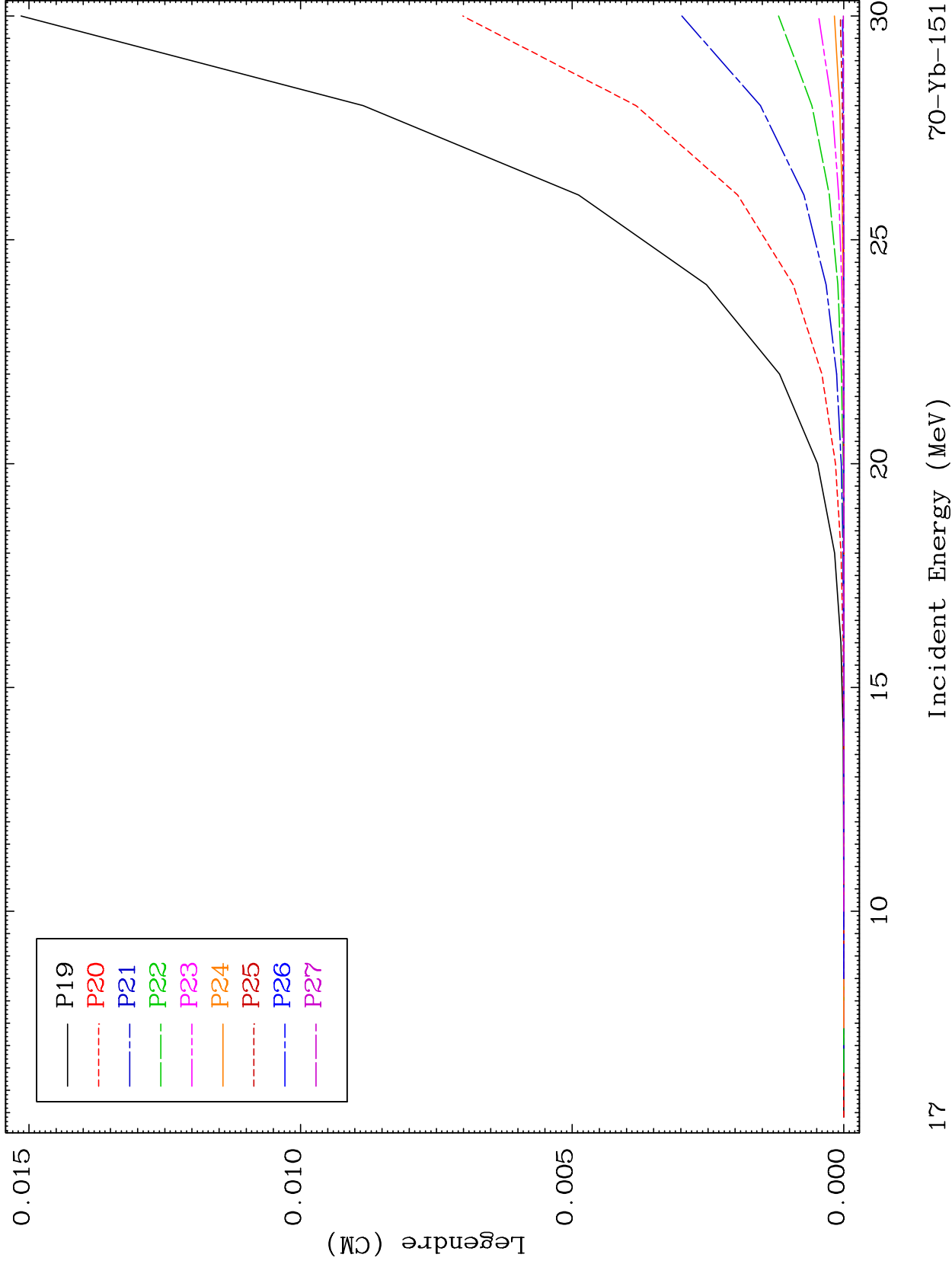
Incident Energy (MeV)

70-Yb-151

MAT 6974

Elastic Legendre Coefficients

70-Yb-151



17

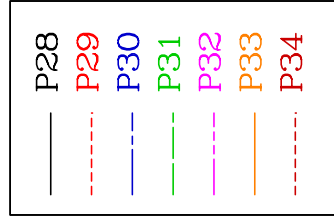
Incident Energy (MeV)

70-Yb-151

MAT 6974

Elastic  
Legendre Coefficients

70-Yb-151



$\times 10^{-6}$

2.0

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

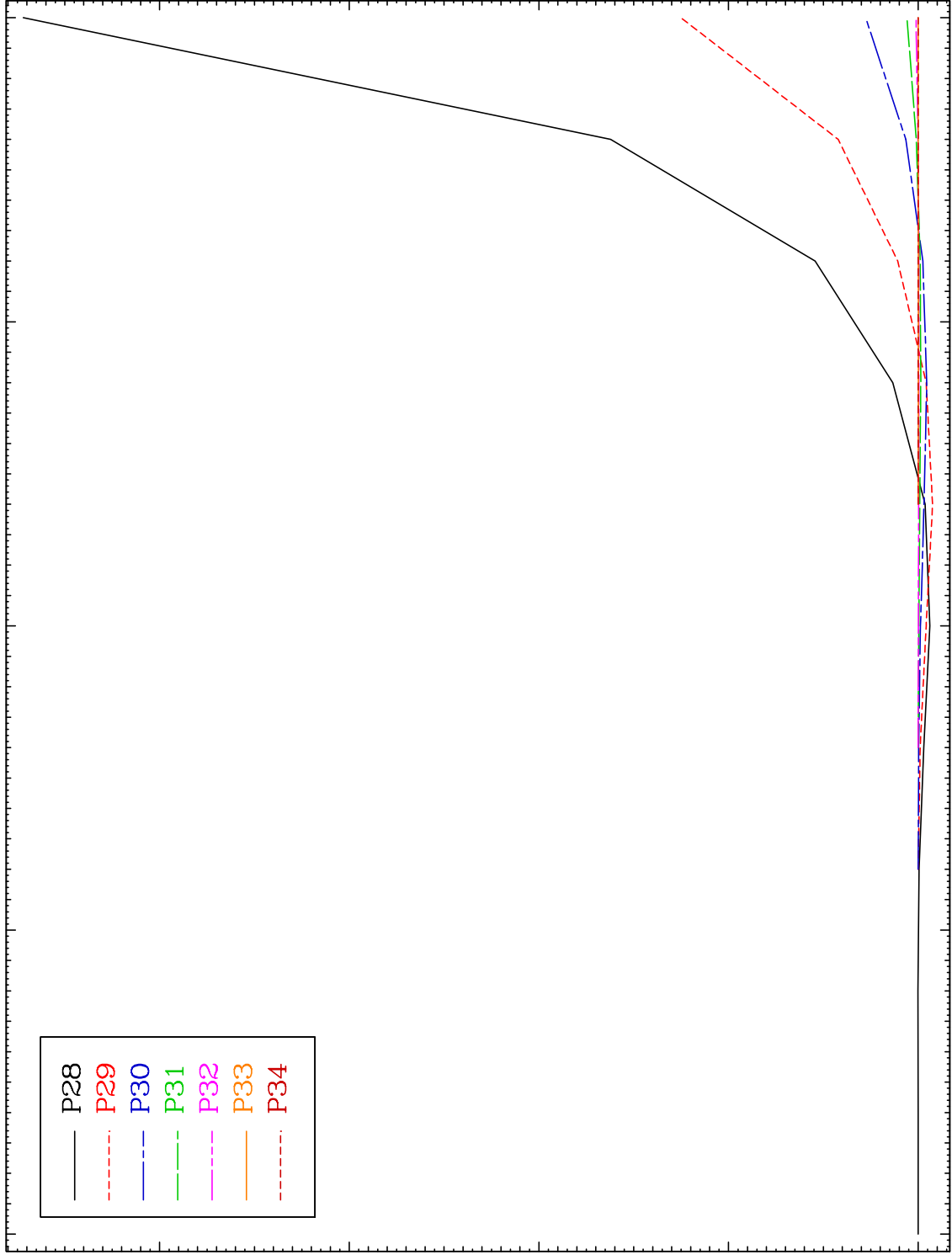
25

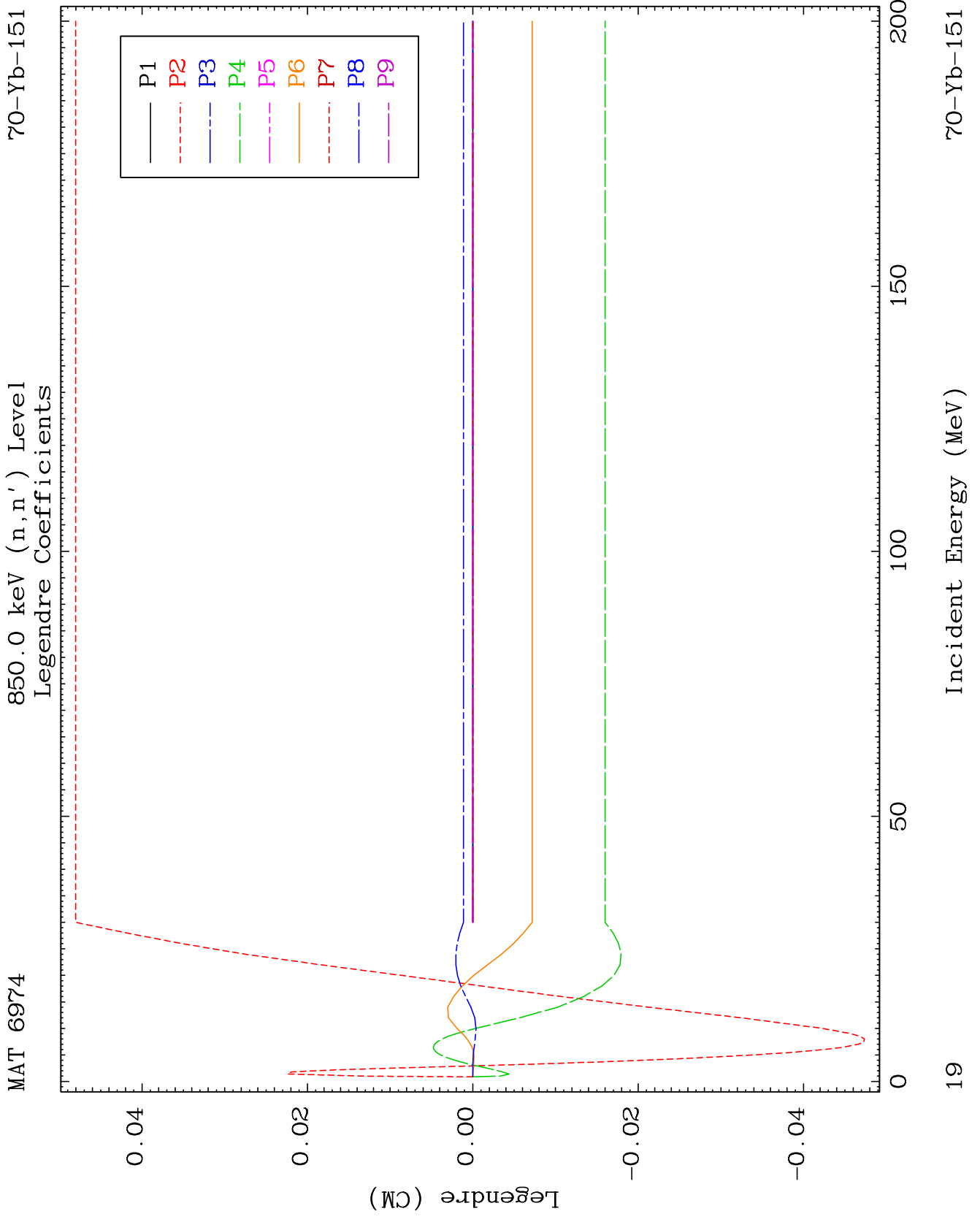
30

18

Incident Energy (MeV)

70-Yb-151

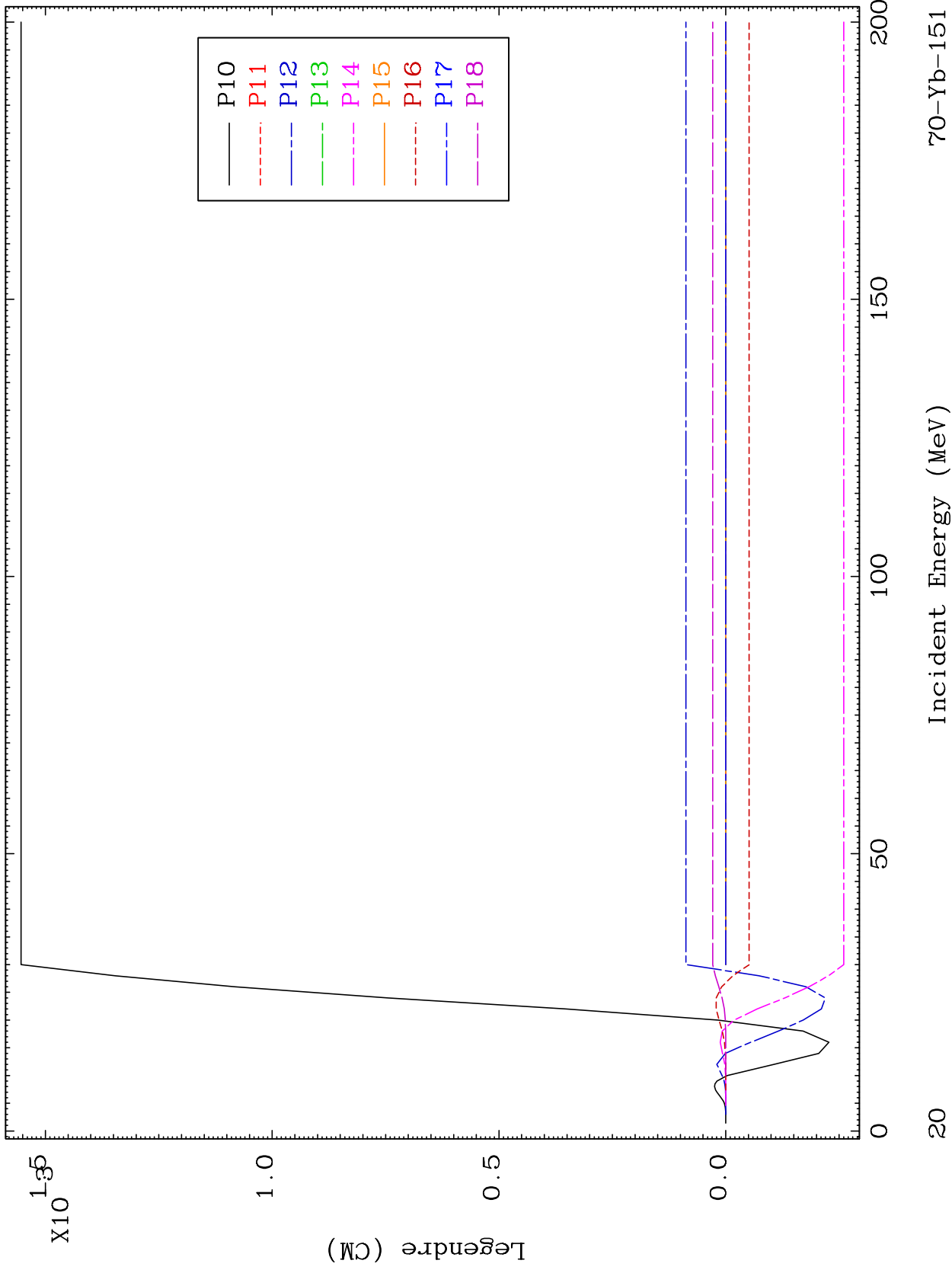


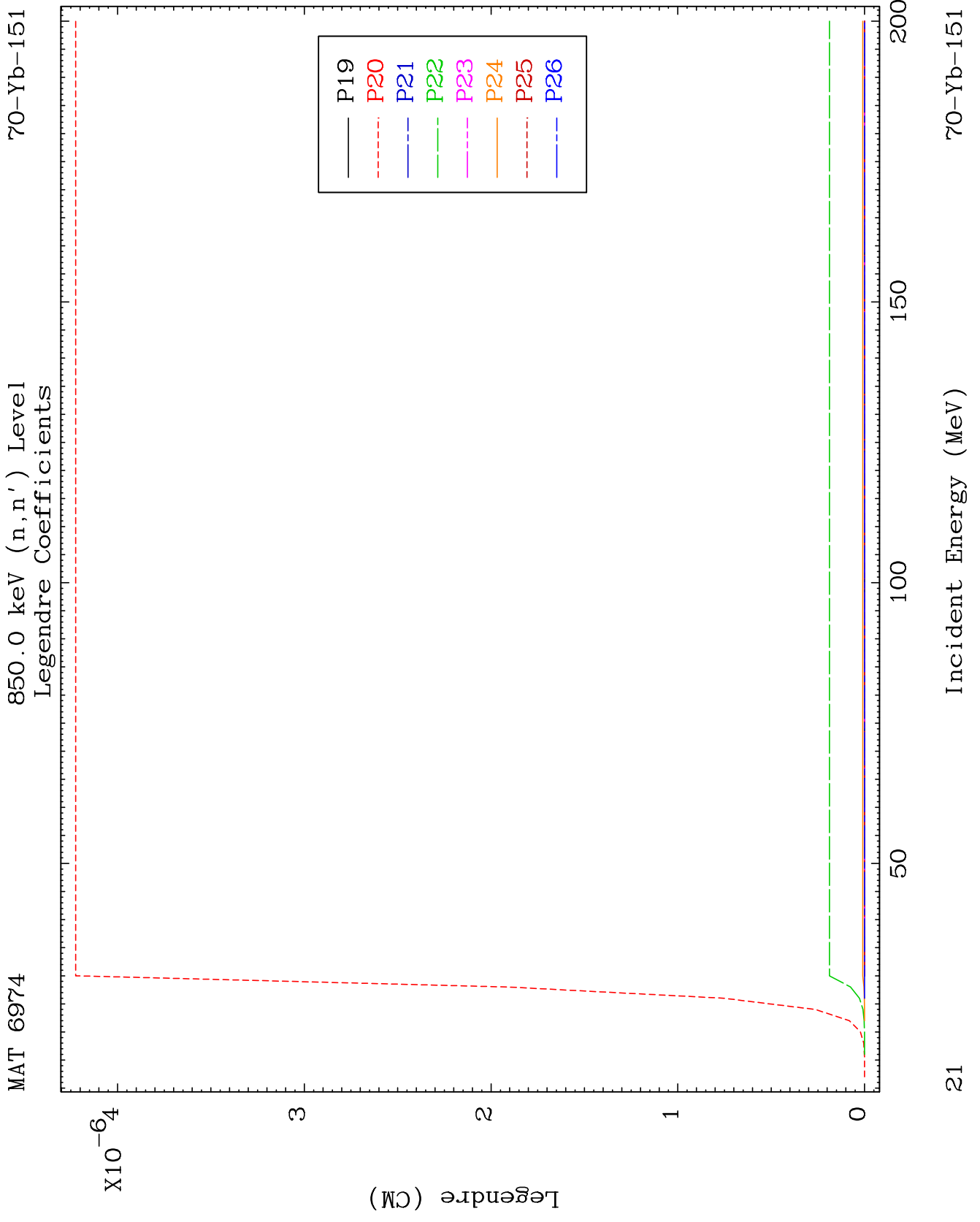


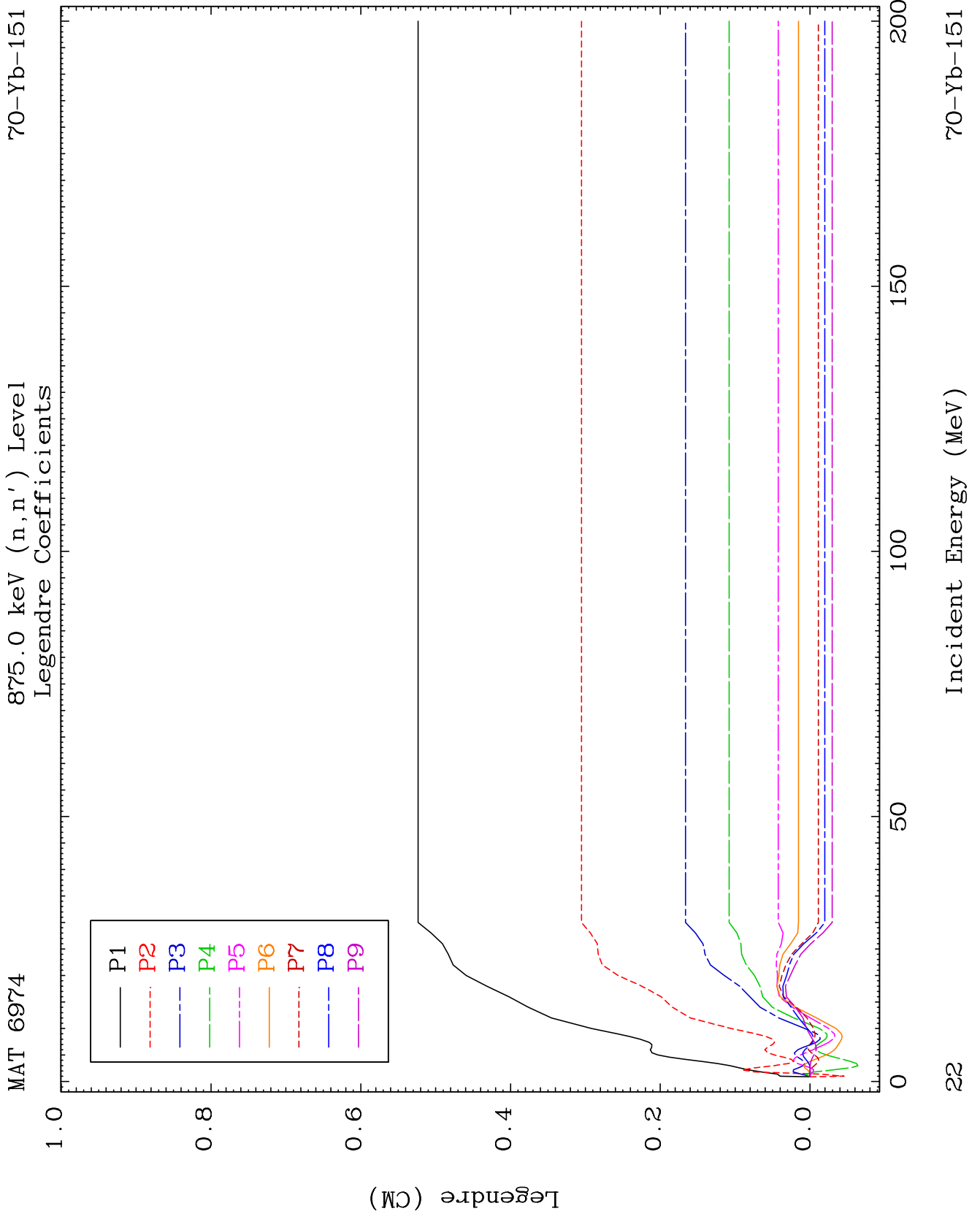
MAT 6974

850.0 keV (n,n') Level  
Legendre Coefficients

70-Yb-151



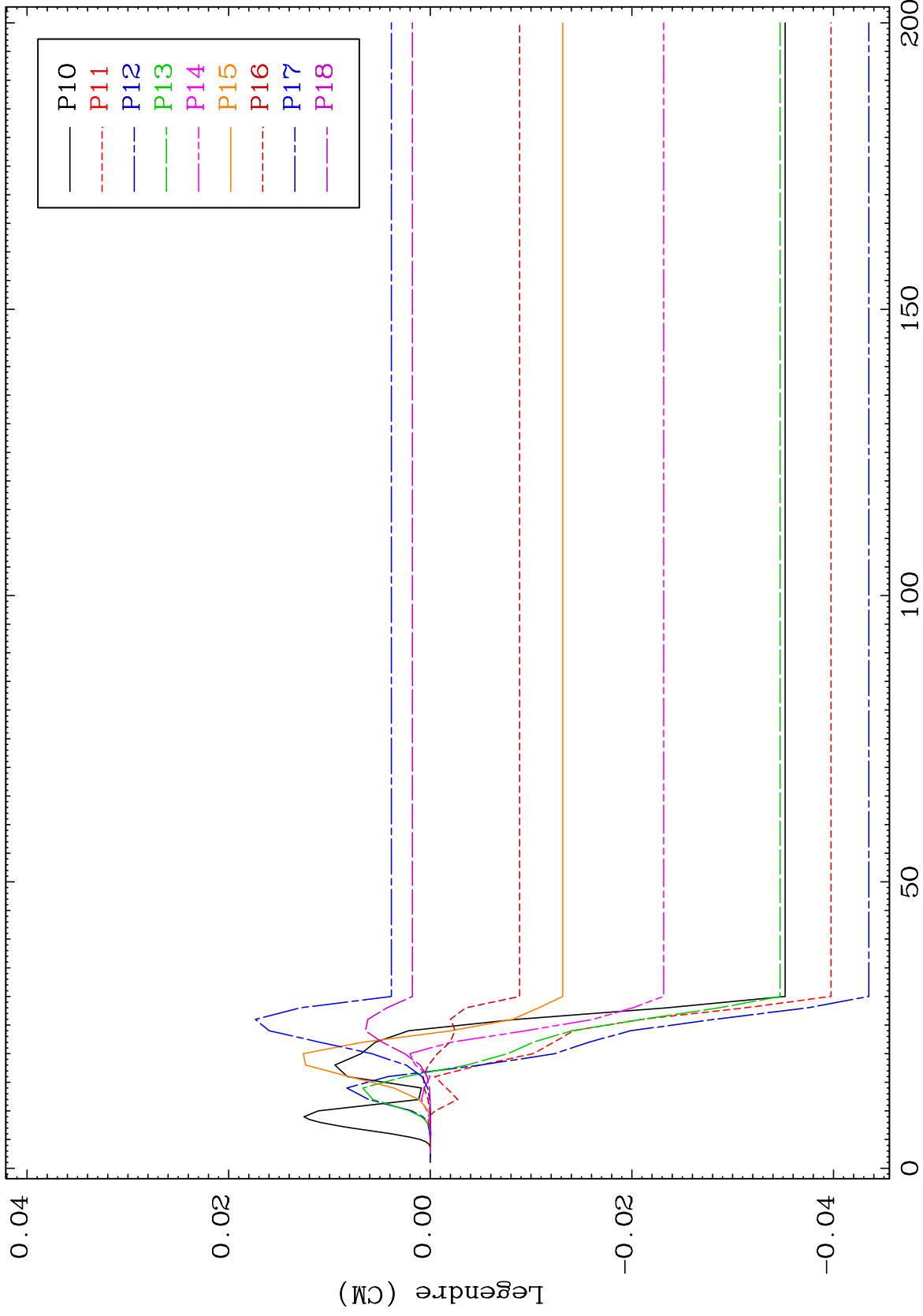




MAT 6974

875.0 keV (n,n') Level  
Legendre Coefficients

70-Yb-151



23

Incident Energy (MeV)

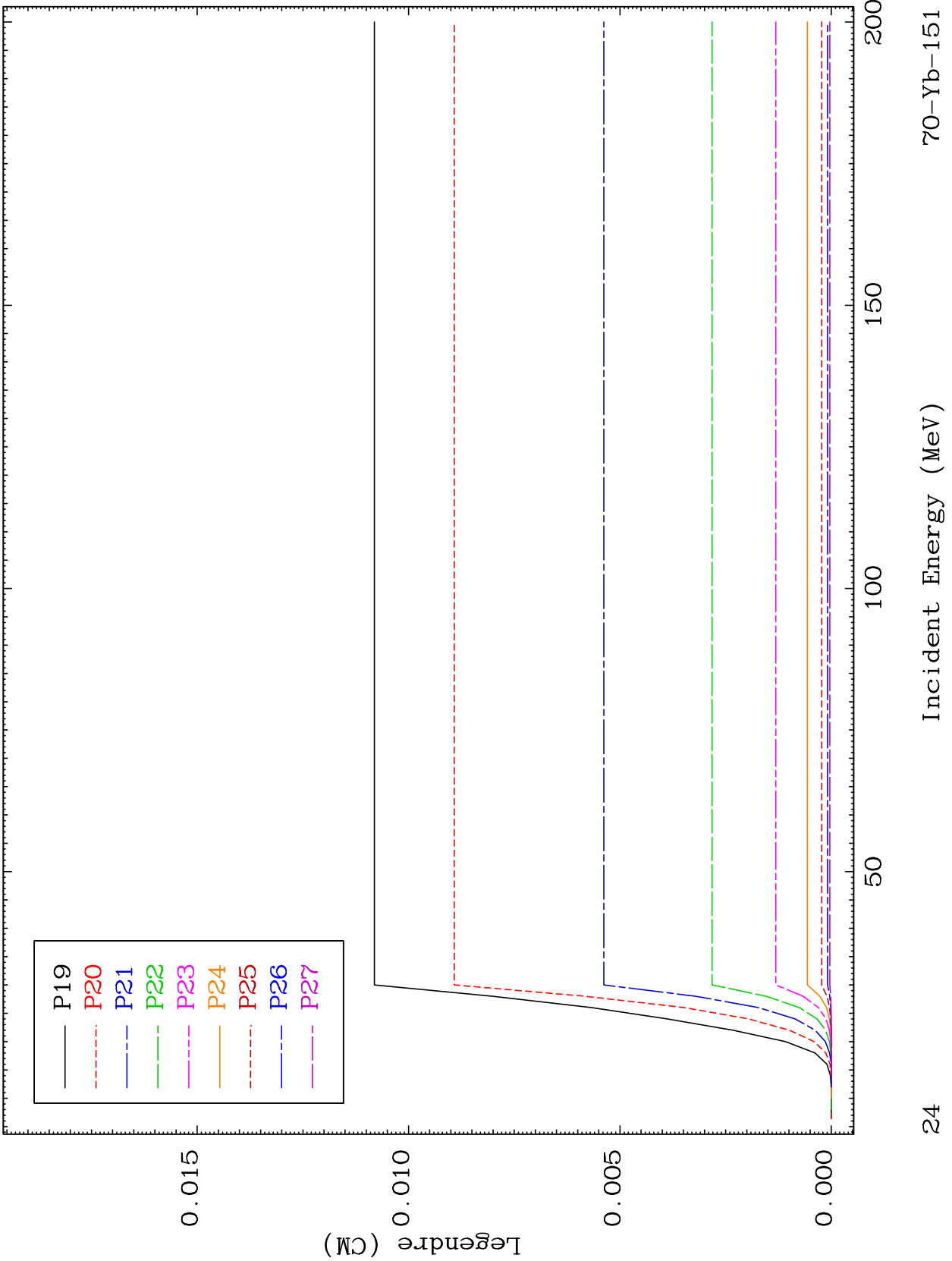
70-Yb-151



MAT 6974

875.0 keV (n,n') Level  
Legendre Coefficients

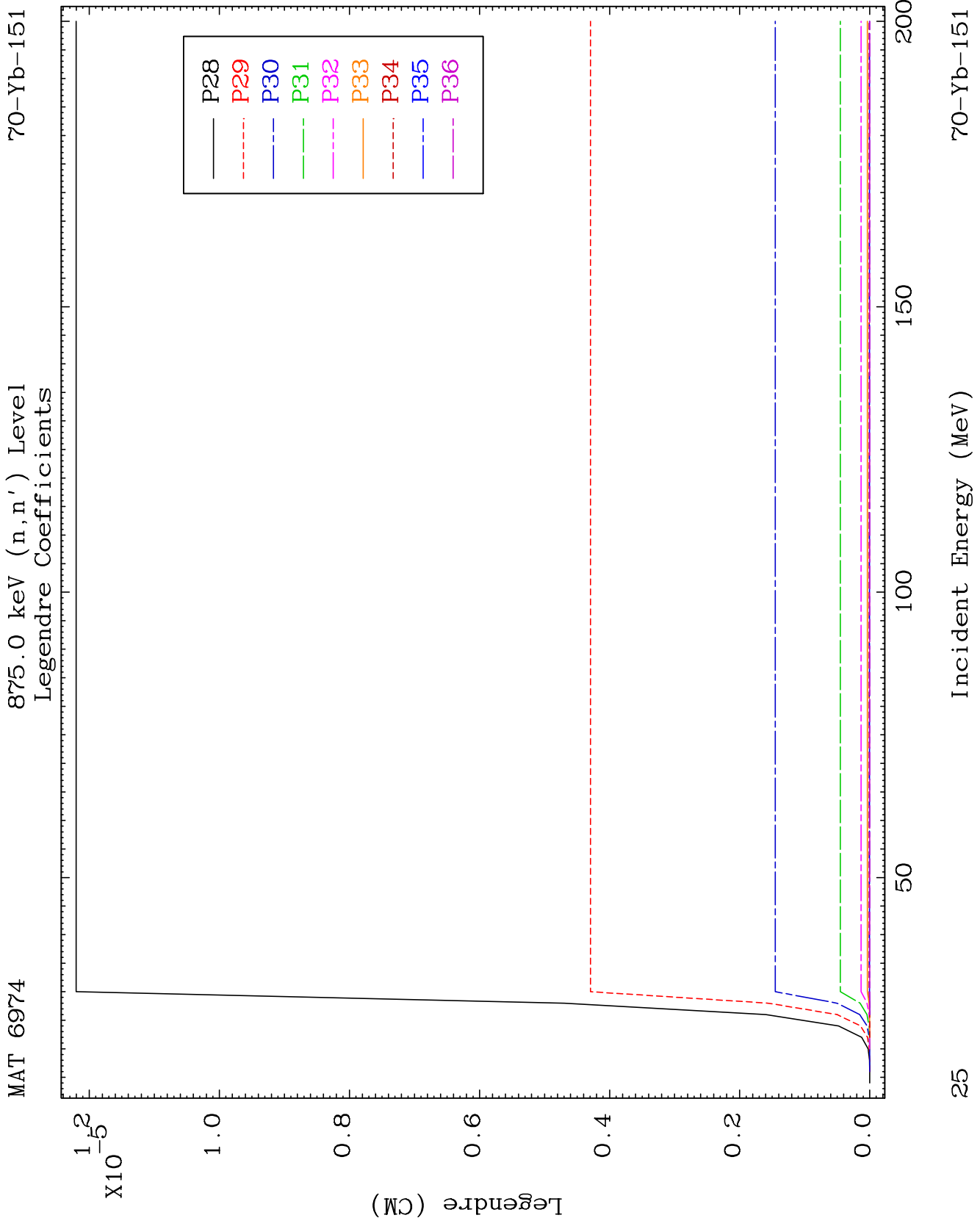
70-Yb-151



24

Incident Energy (MeV)

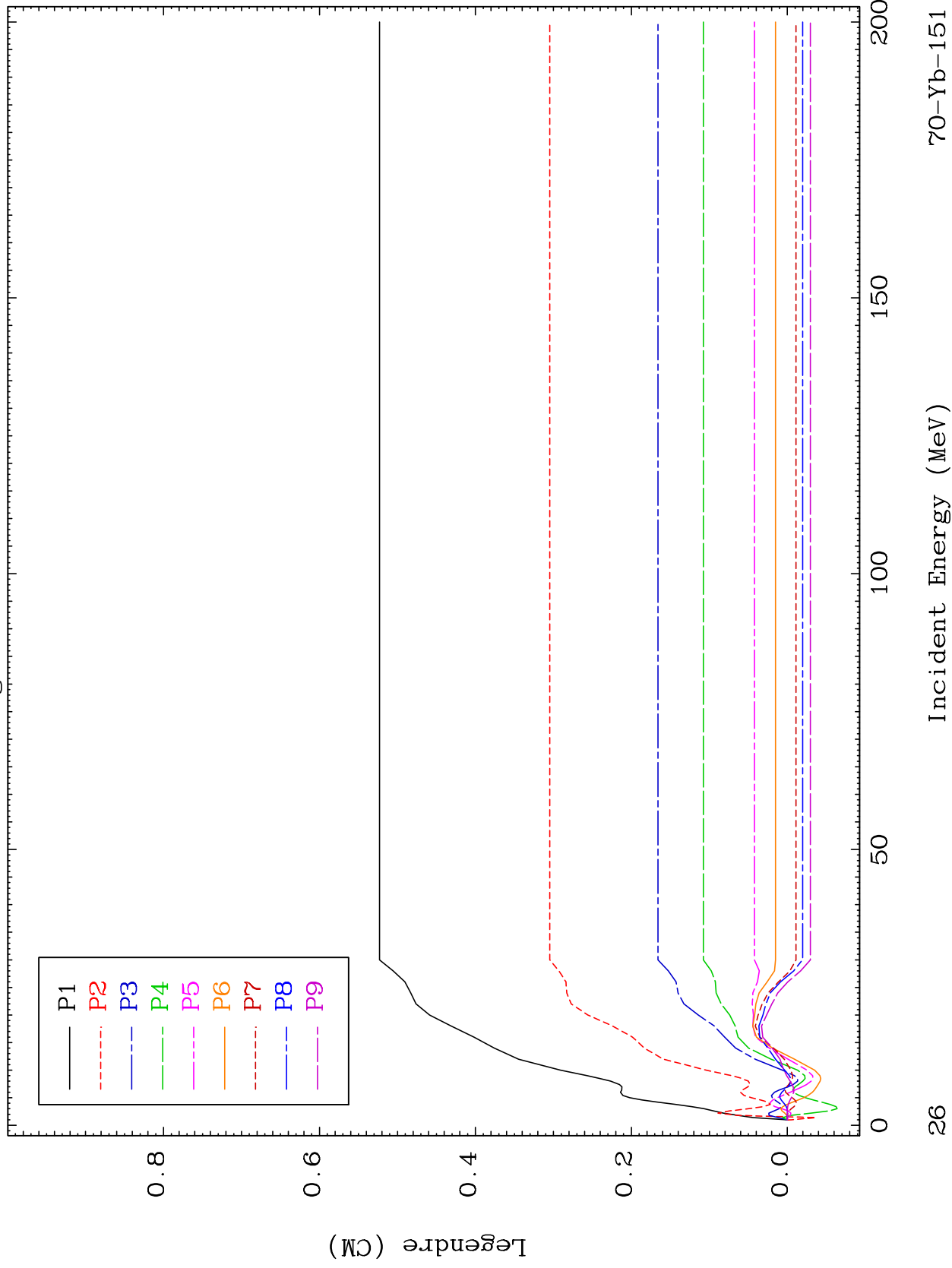
70-Yb-151



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942.5 keV (n,n') Level  
Legendre Coefficients

70-Yb-151



26

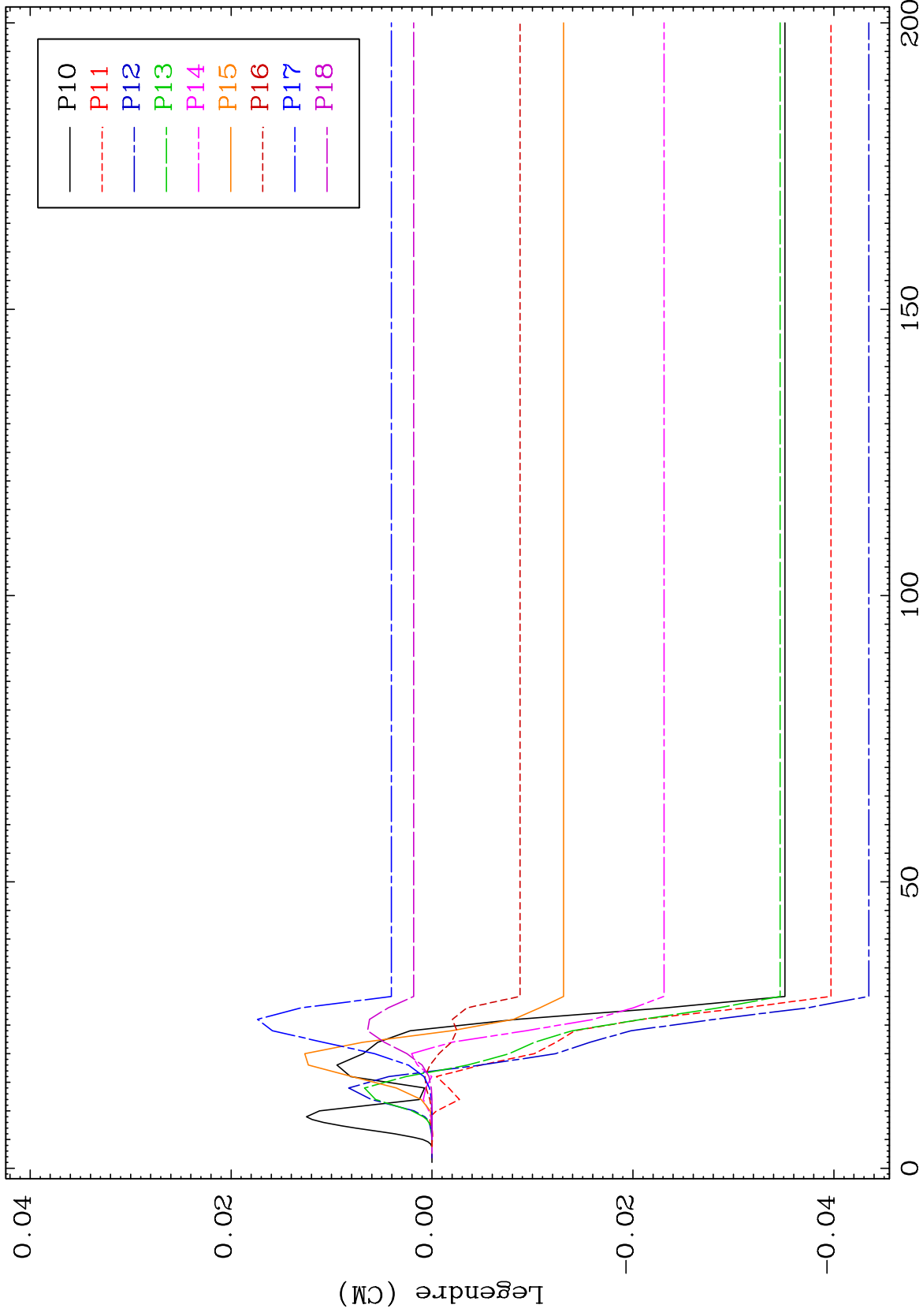
Incident Energy (MeV)

70-Yb-151

MAT 6974

942.5 keV (n,n') Level  
Legendre Coefficients

70-Yb-151



27

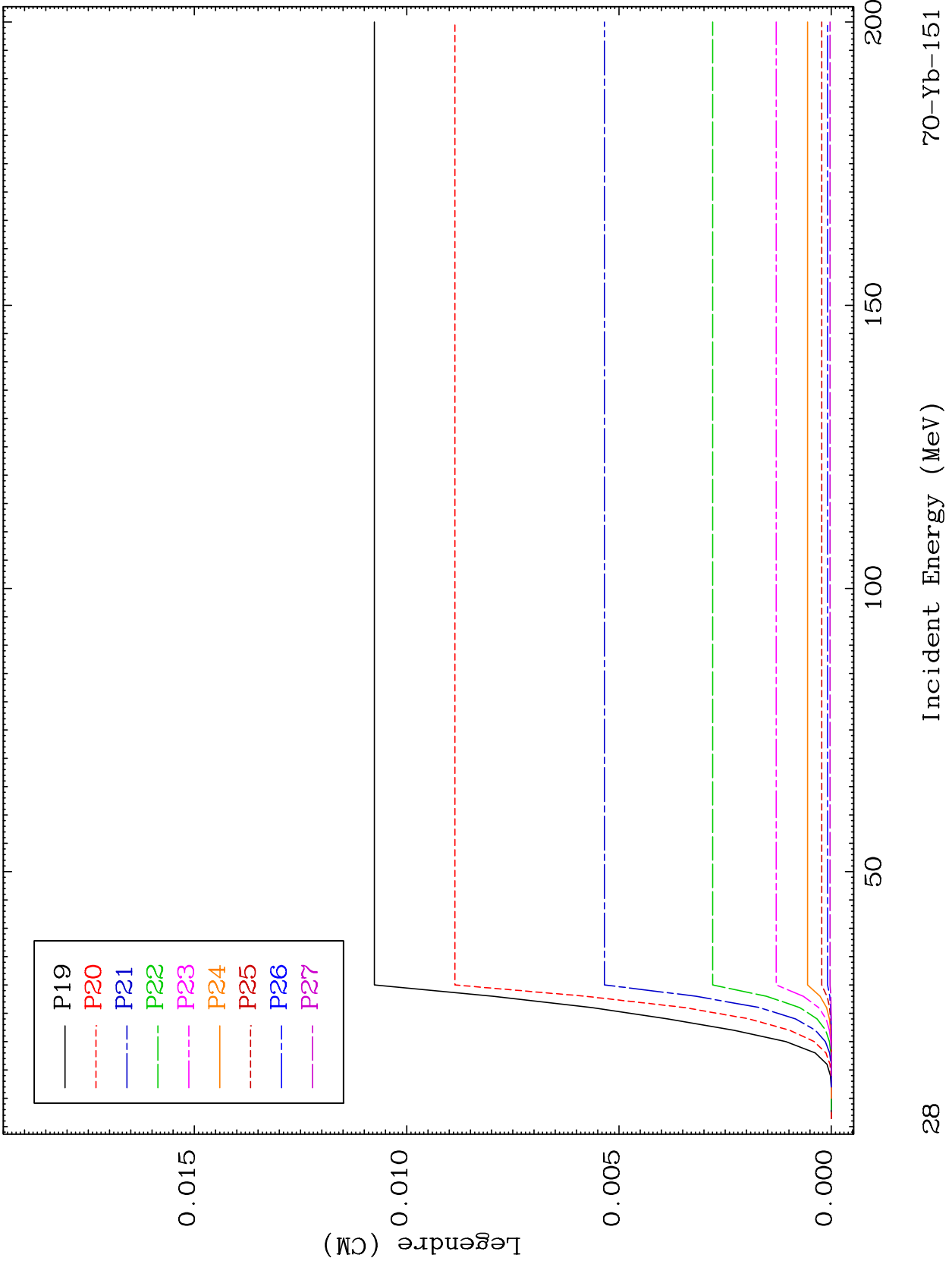
Incident Energy (MeV)

70-Yb-151

MAT 6974

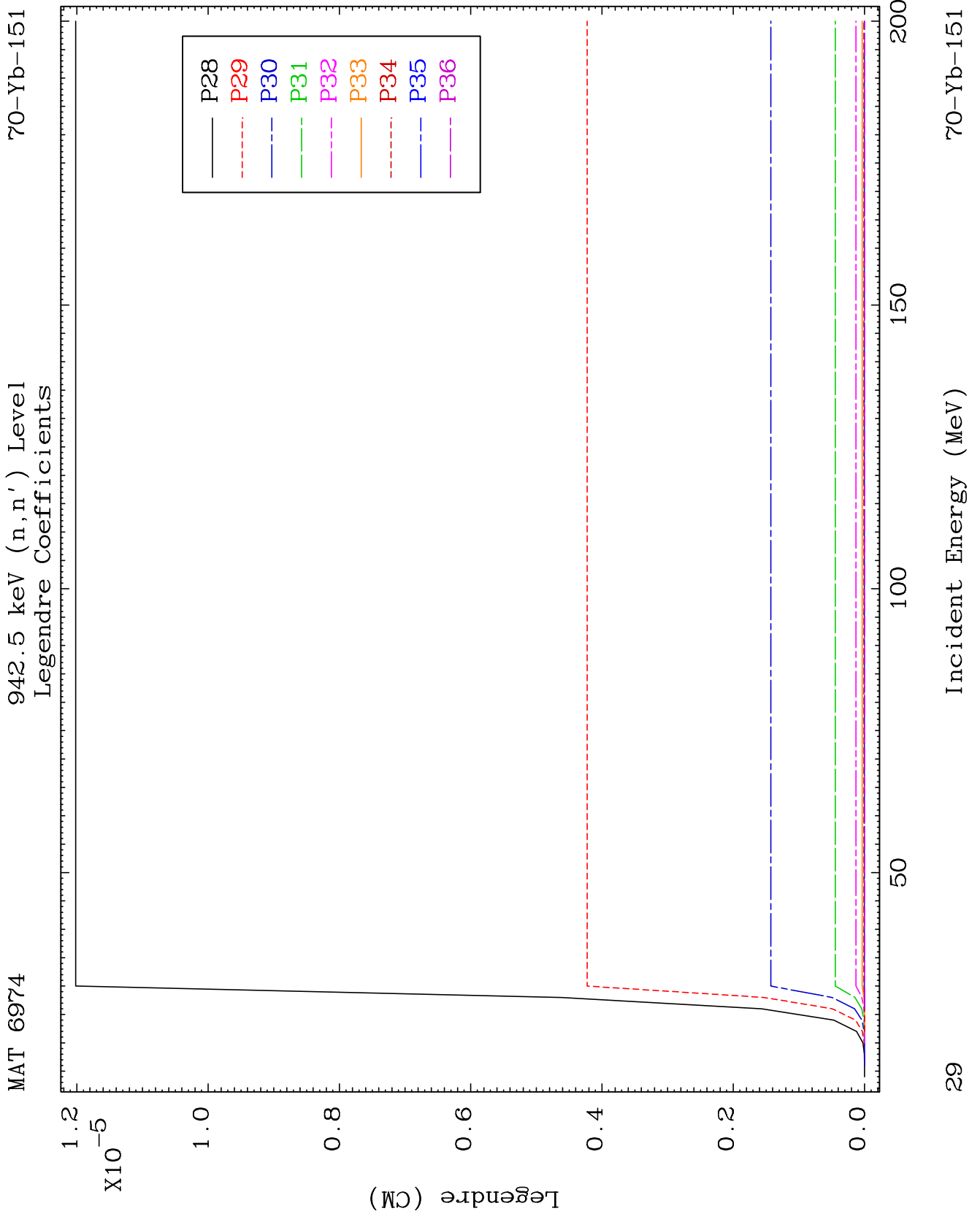
942.5 keV (n,n') Level  
Legendre Coefficients

70-Yb-151

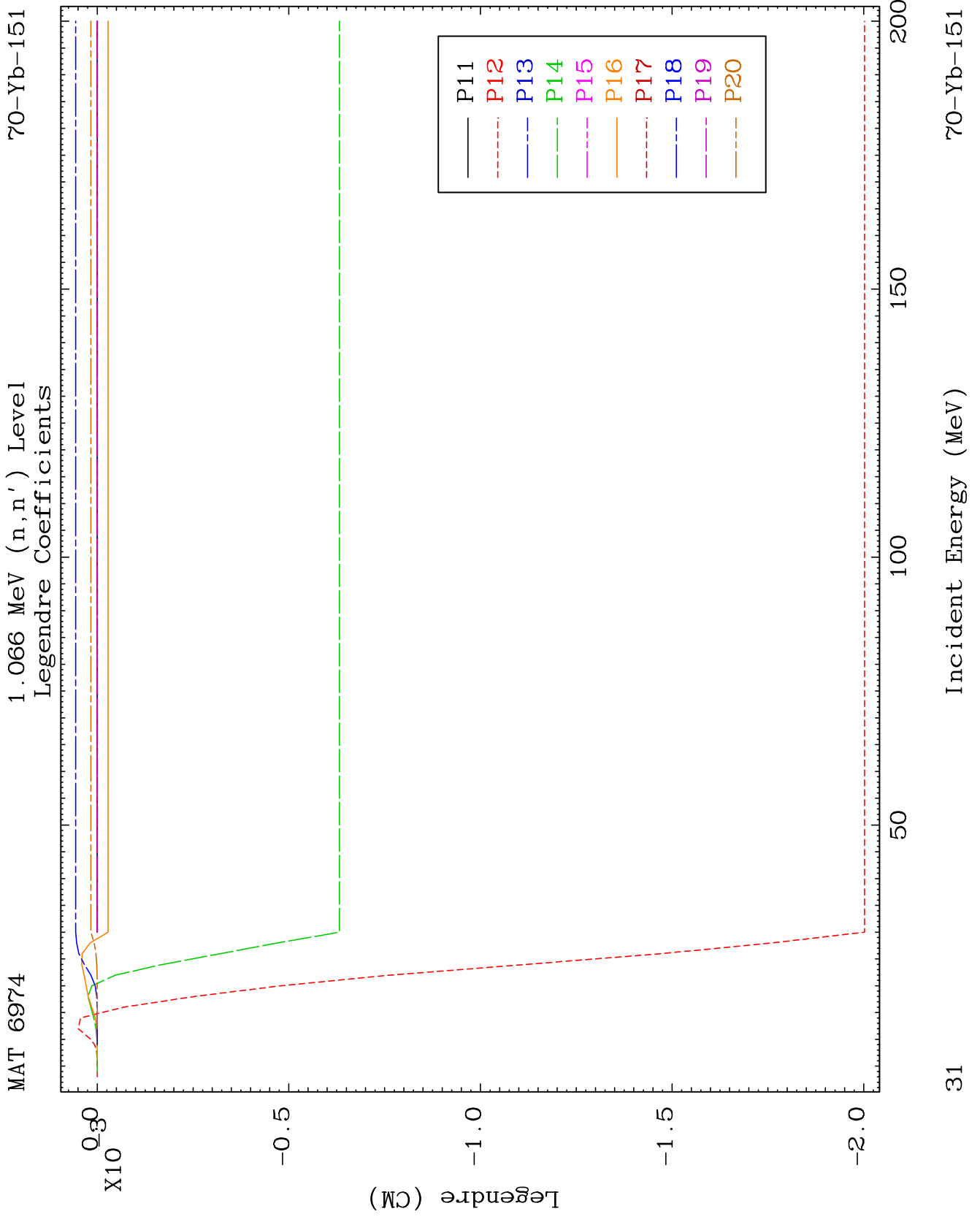


28

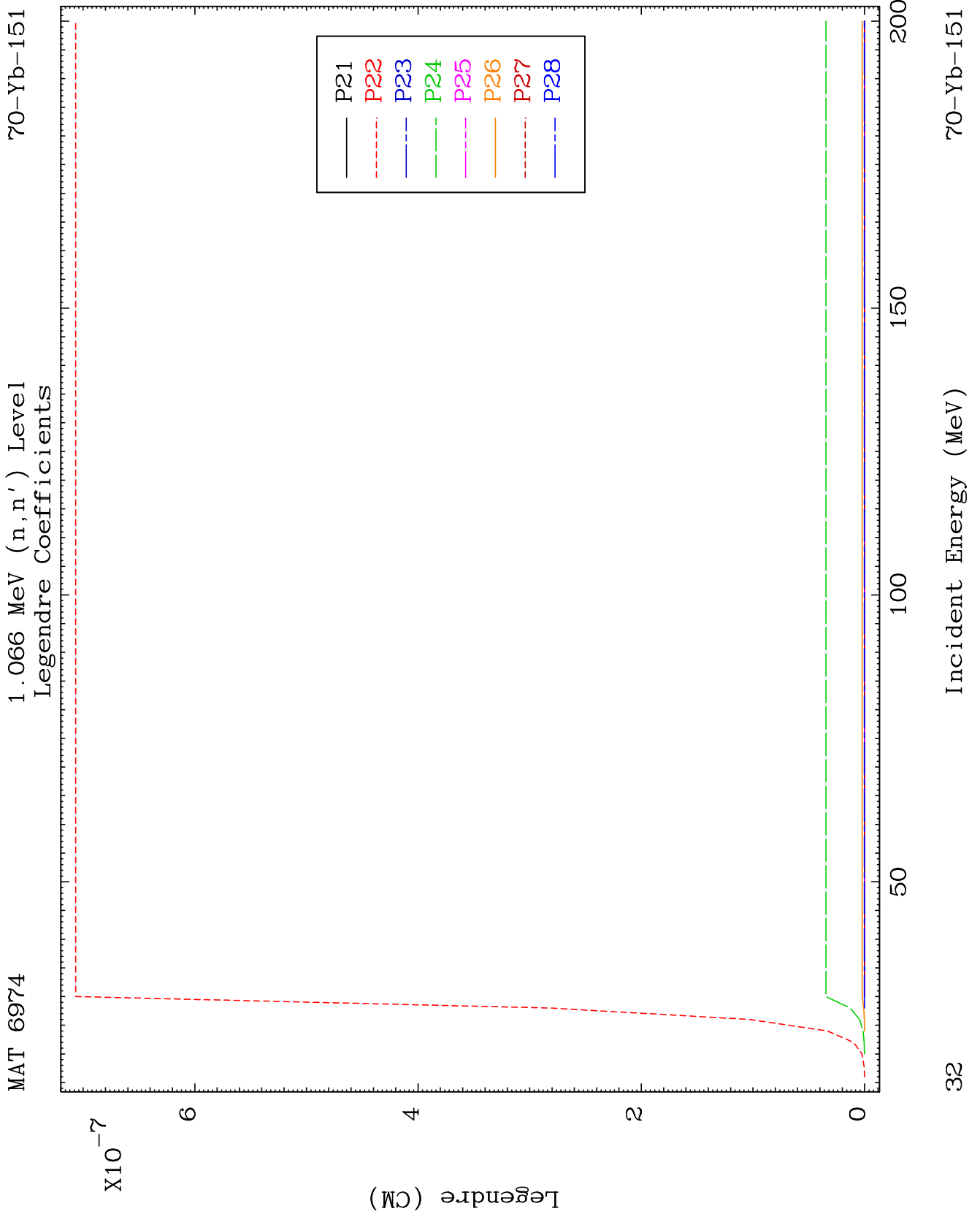
70-Yb-151









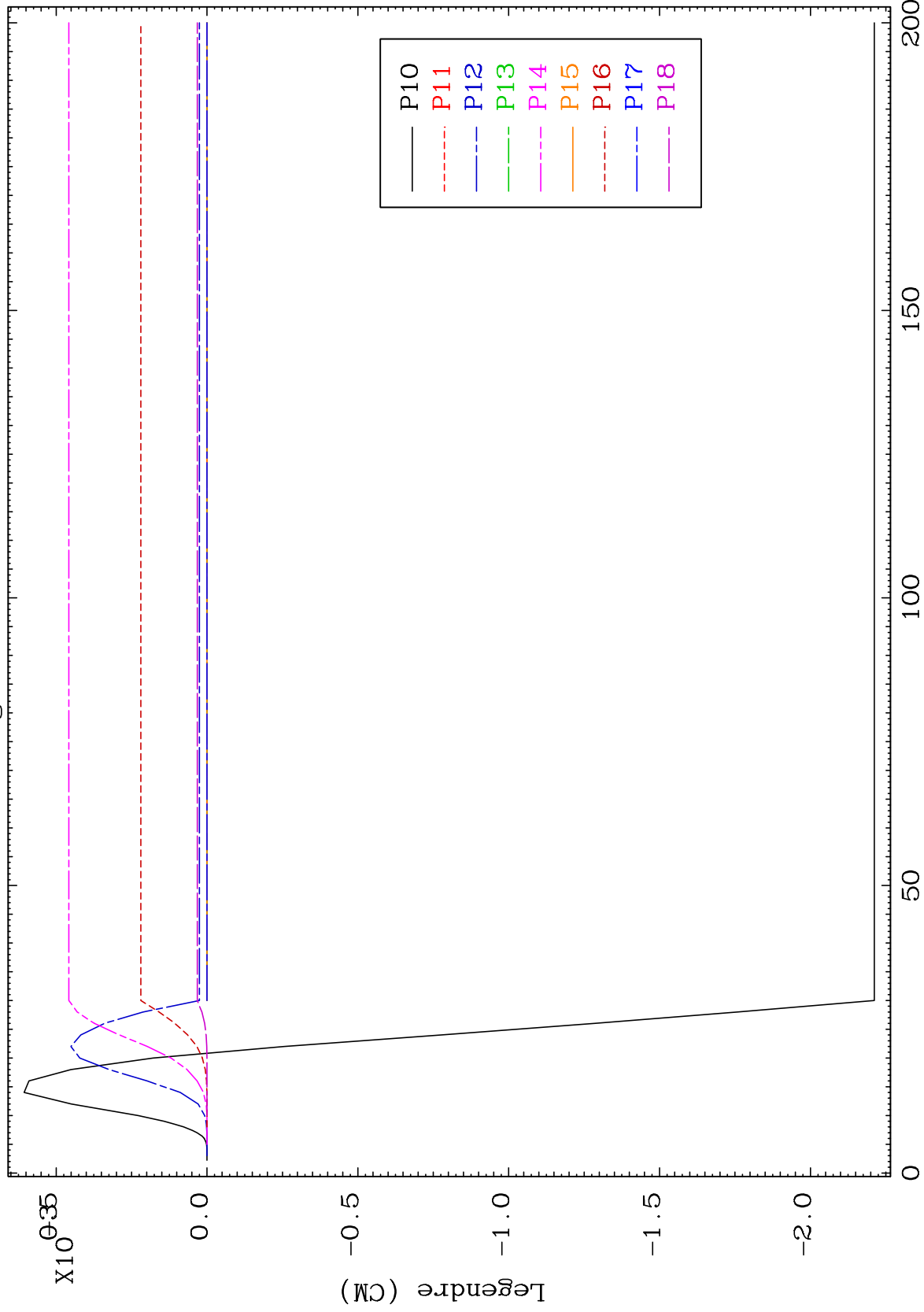




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1.070 MeV (n,n') Level  
Legendre Coefficients

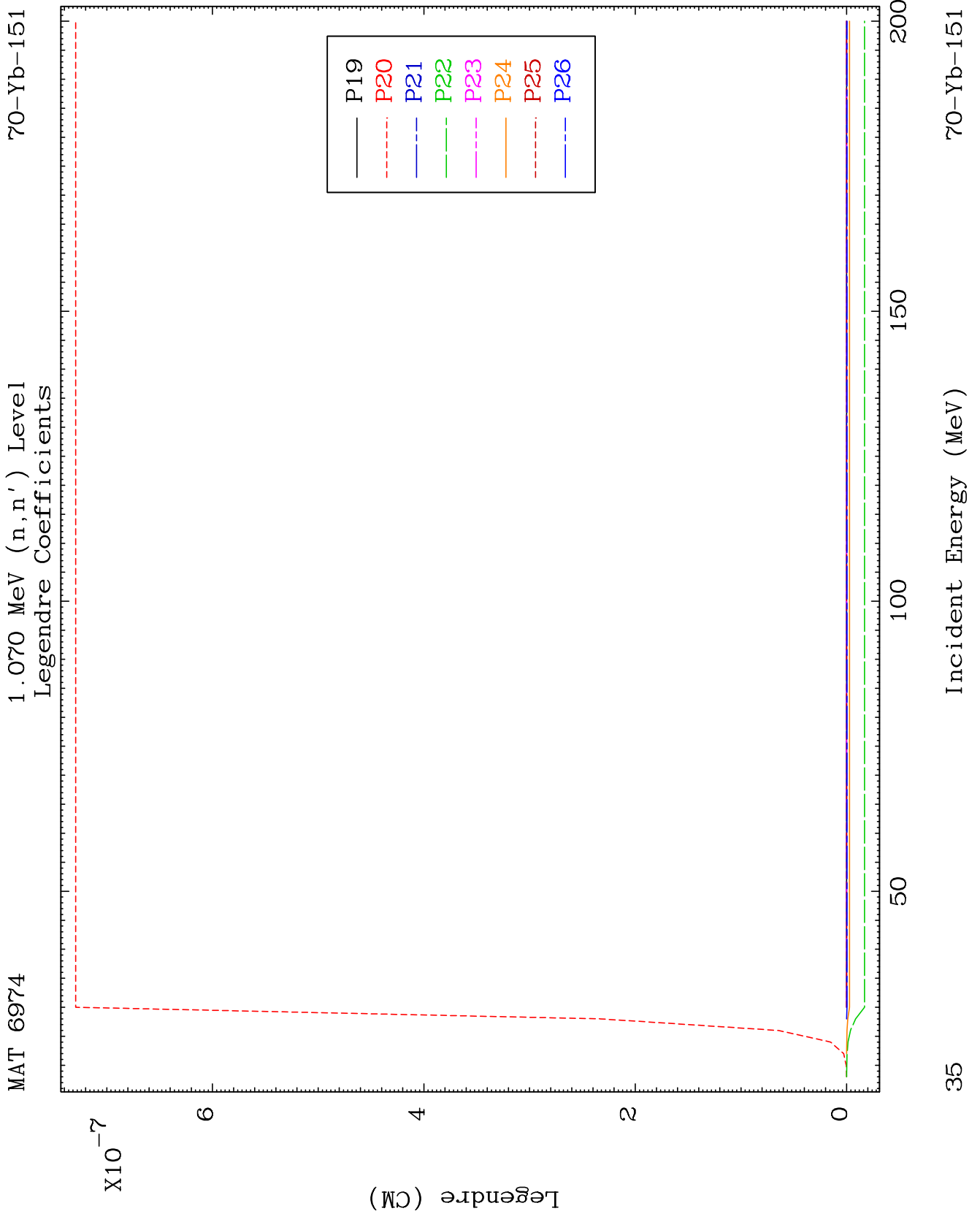
70-Yb-151

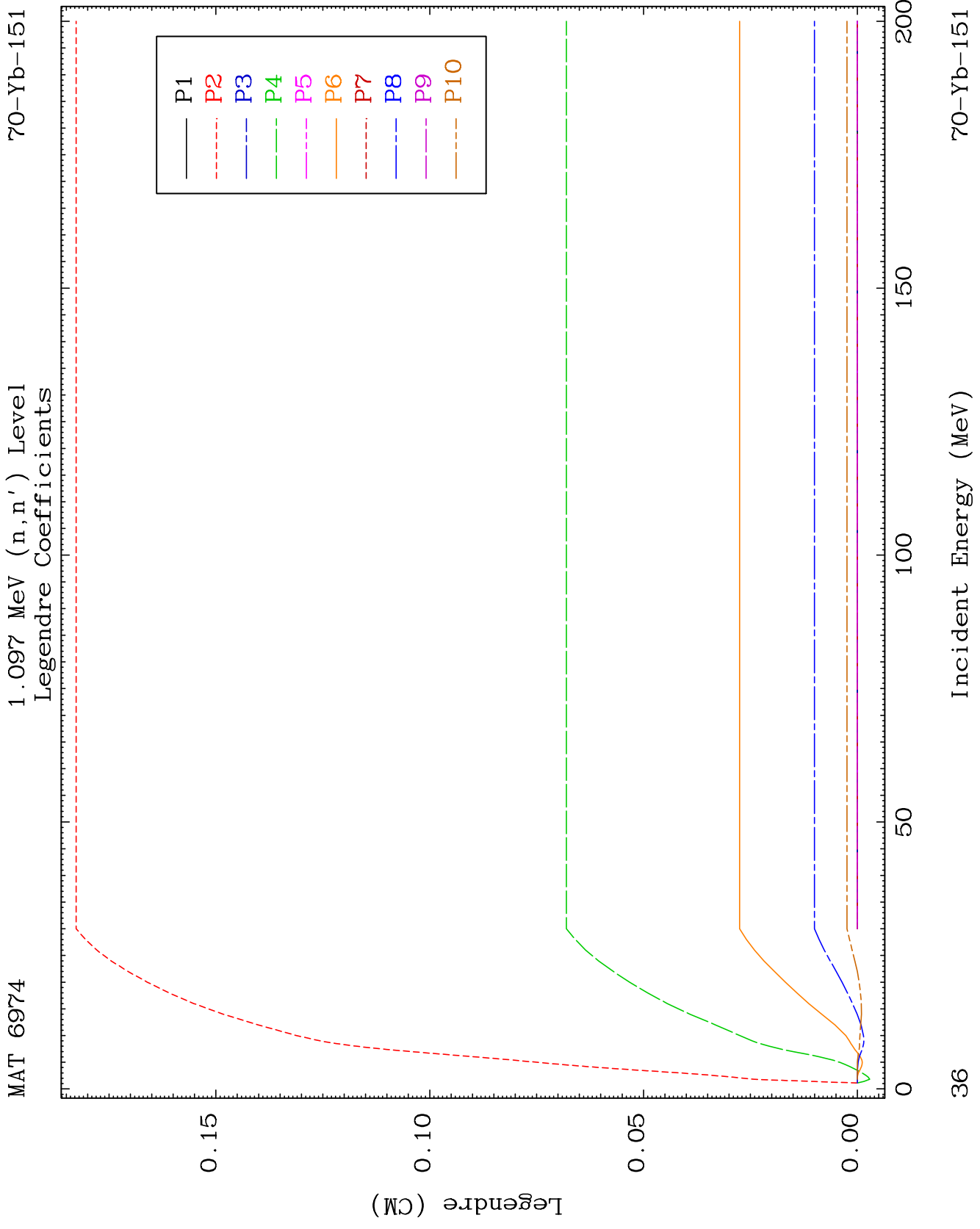


34

Incident Energy (MeV)

70-Yb-151

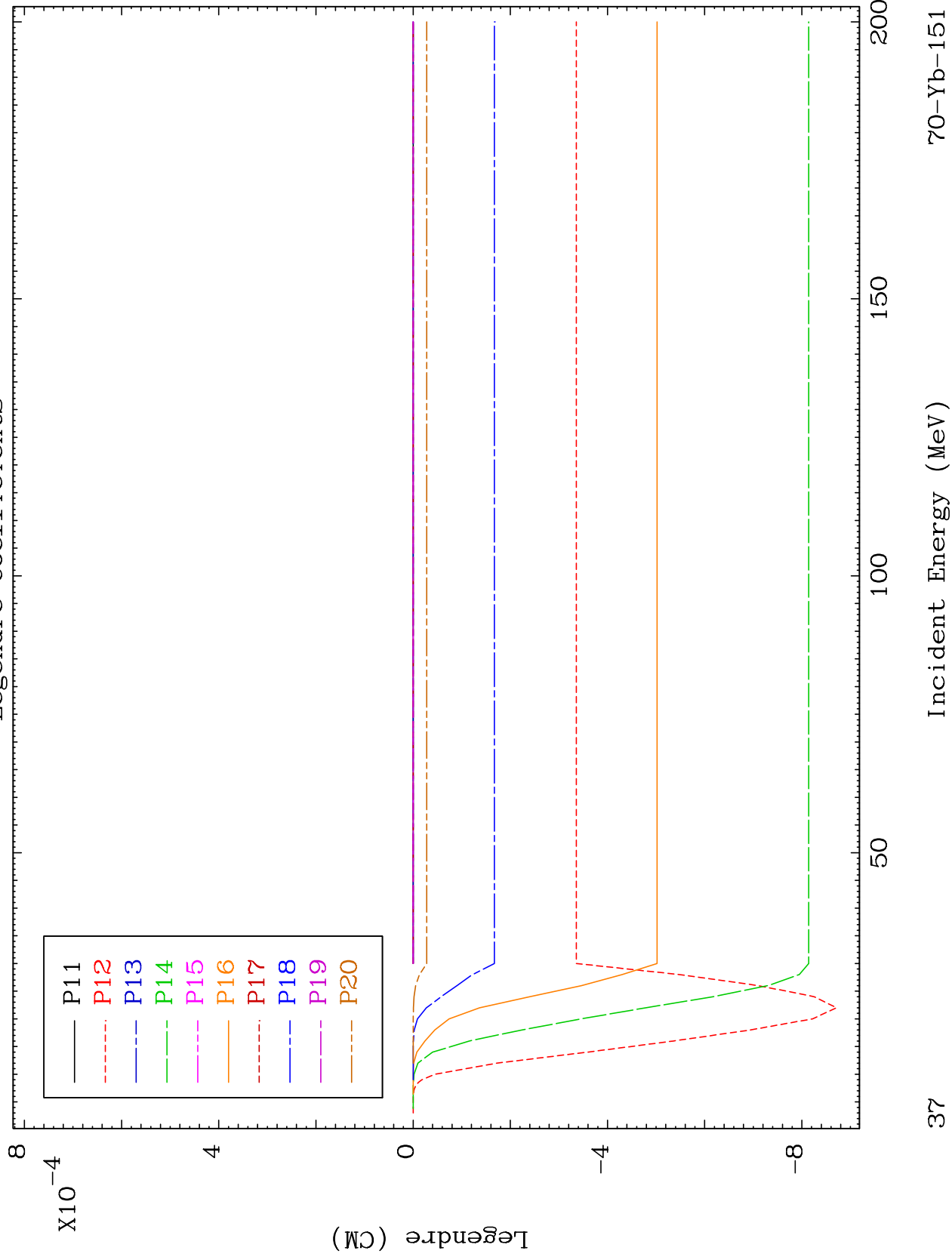




MAT 6974

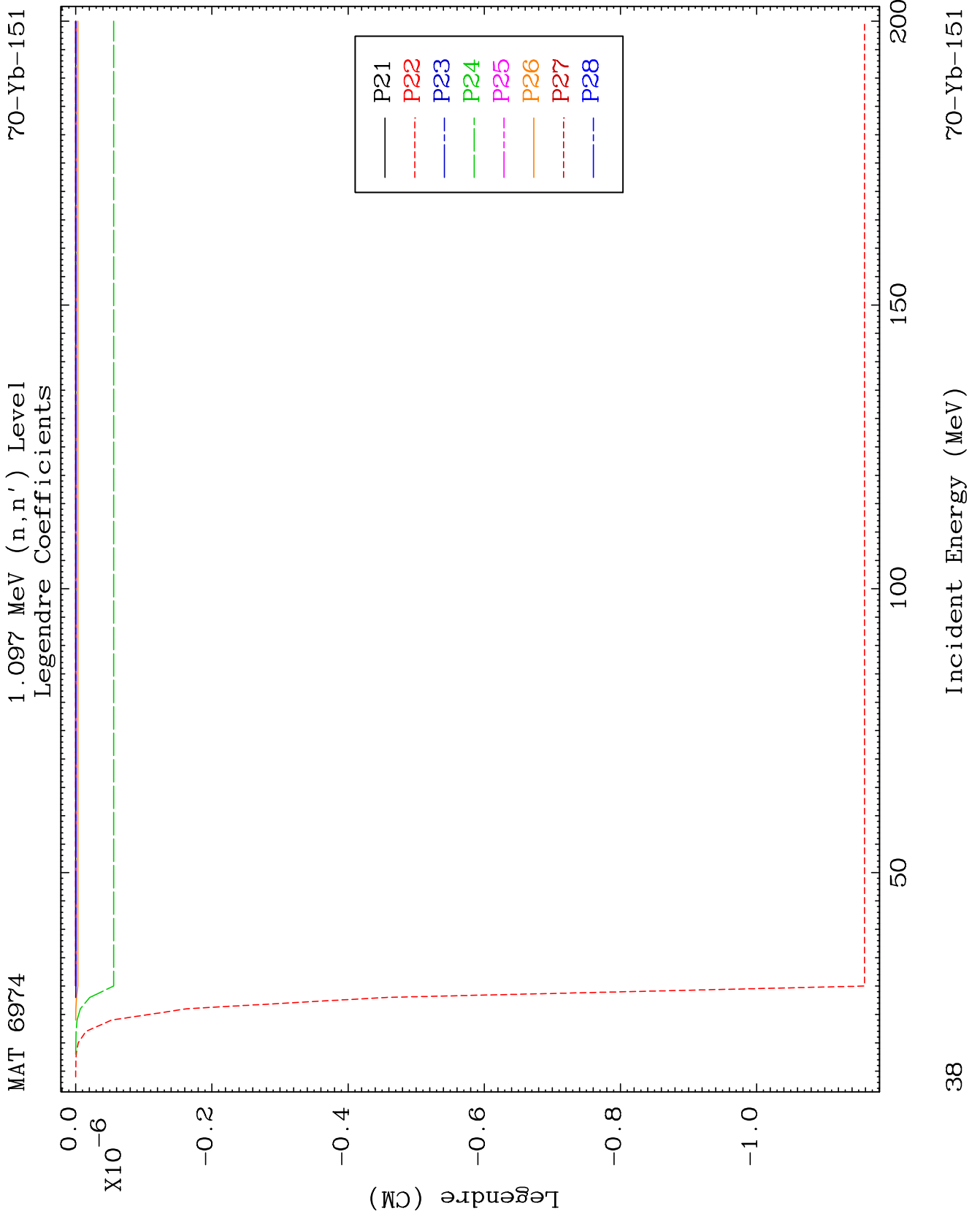
1.097 MeV (n,n') Level  
Legendre Coefficients

70-Yb-151



37

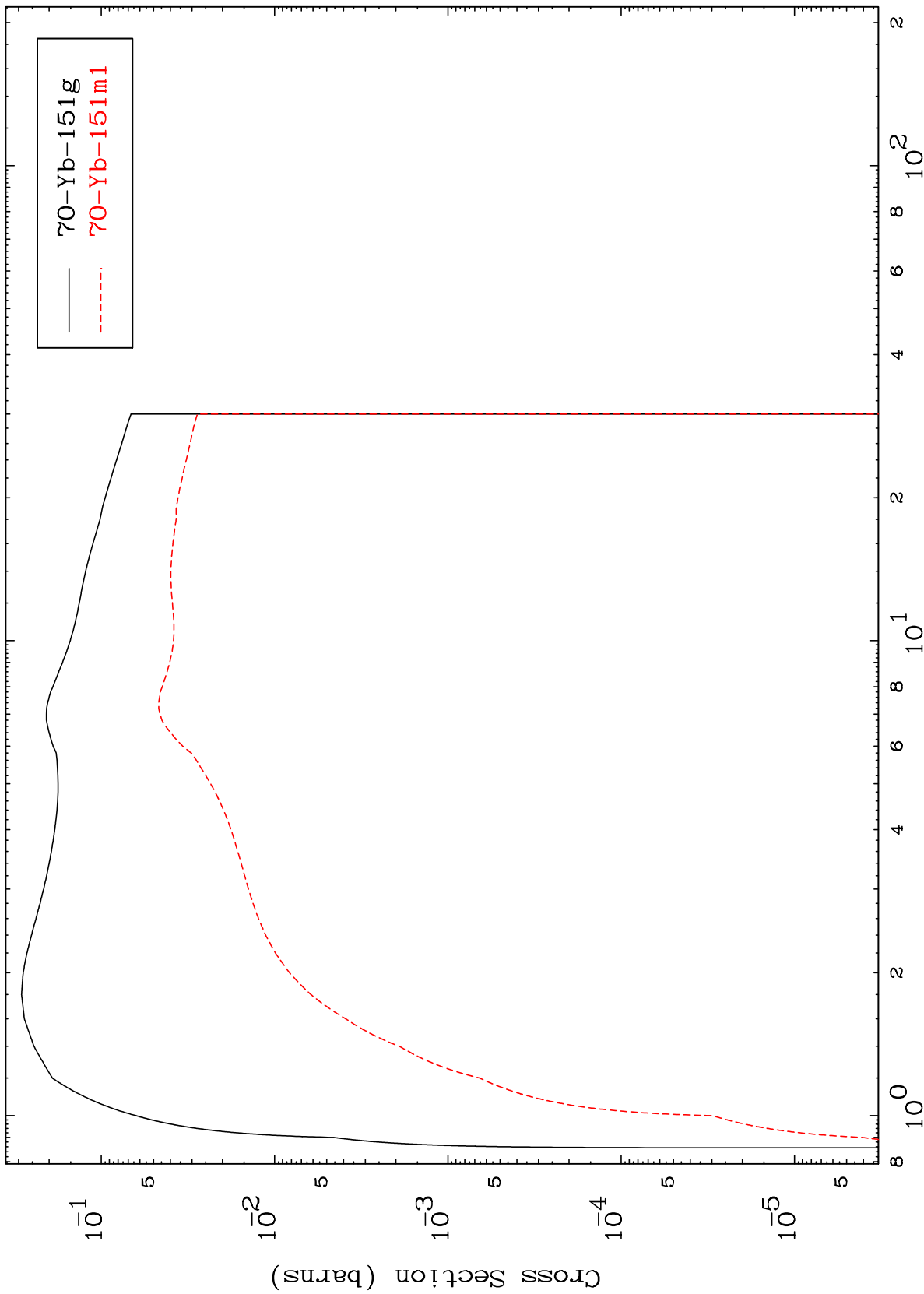
70-Yb-151



MAT 6974

70-Yb-151

Inelastic  
Radionuclide Production Cross Section



39

Incident Energy (MeV)

70-Yb-151

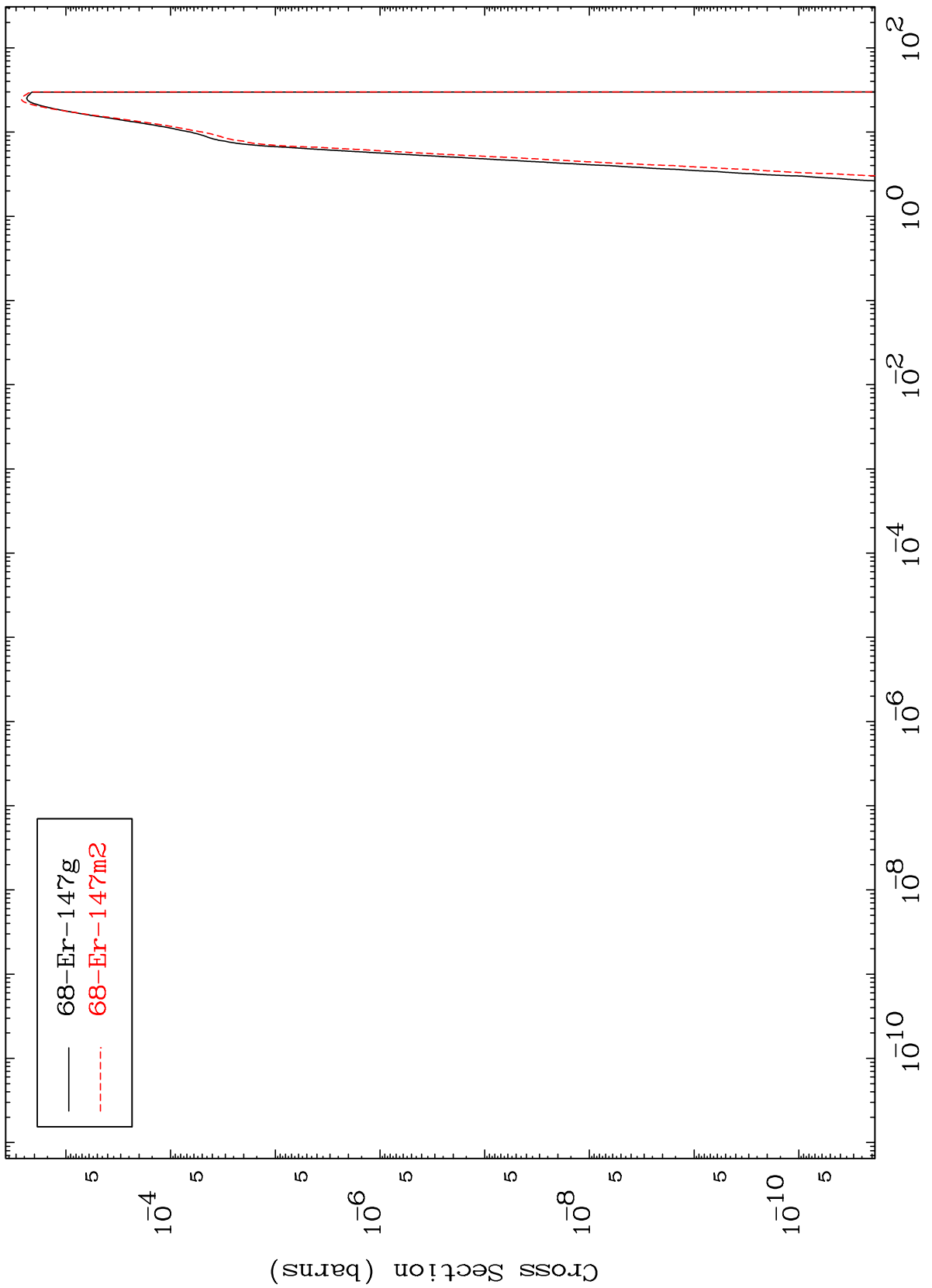


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(n,n')  $\alpha$

70-Yb-151

Radionuclide Production Cross Section

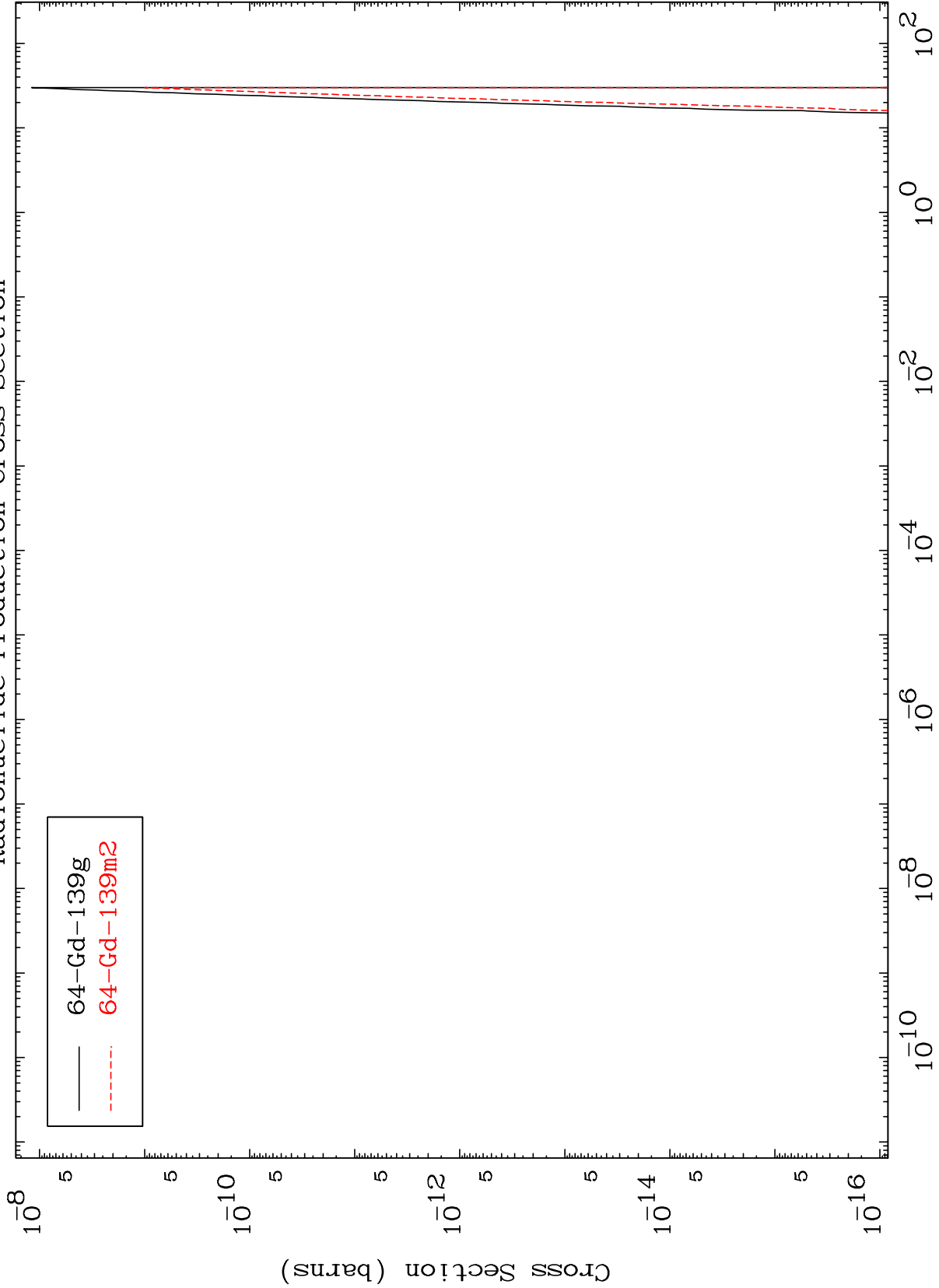


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(n,n') 3 $\alpha$

70-Yb-151

Radionuclide Production Cross Section

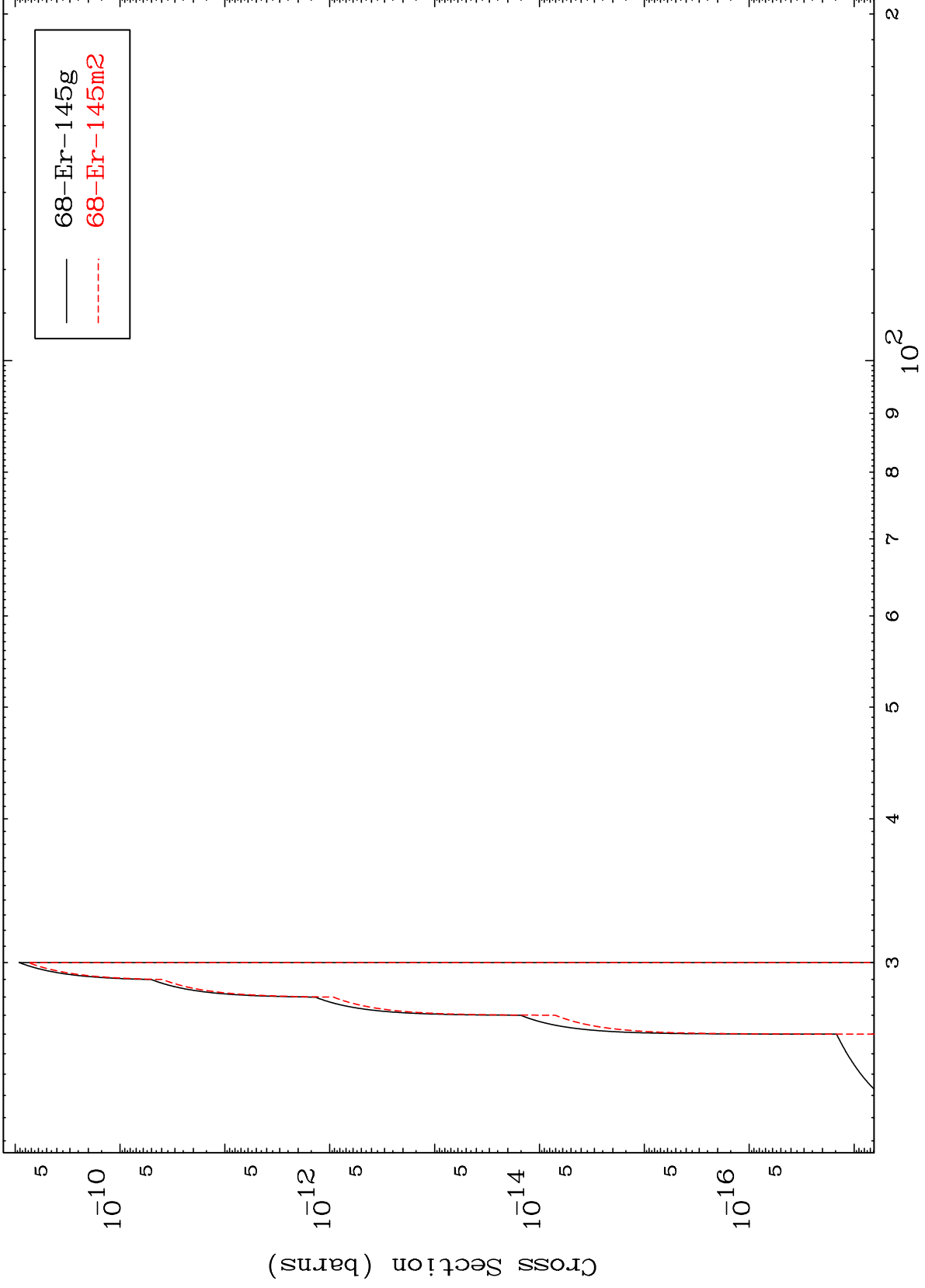


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(n,3n)  $\alpha$

70-Yb-151

Radionuclide Production Cross Section



42

Incident Energy (MeV)

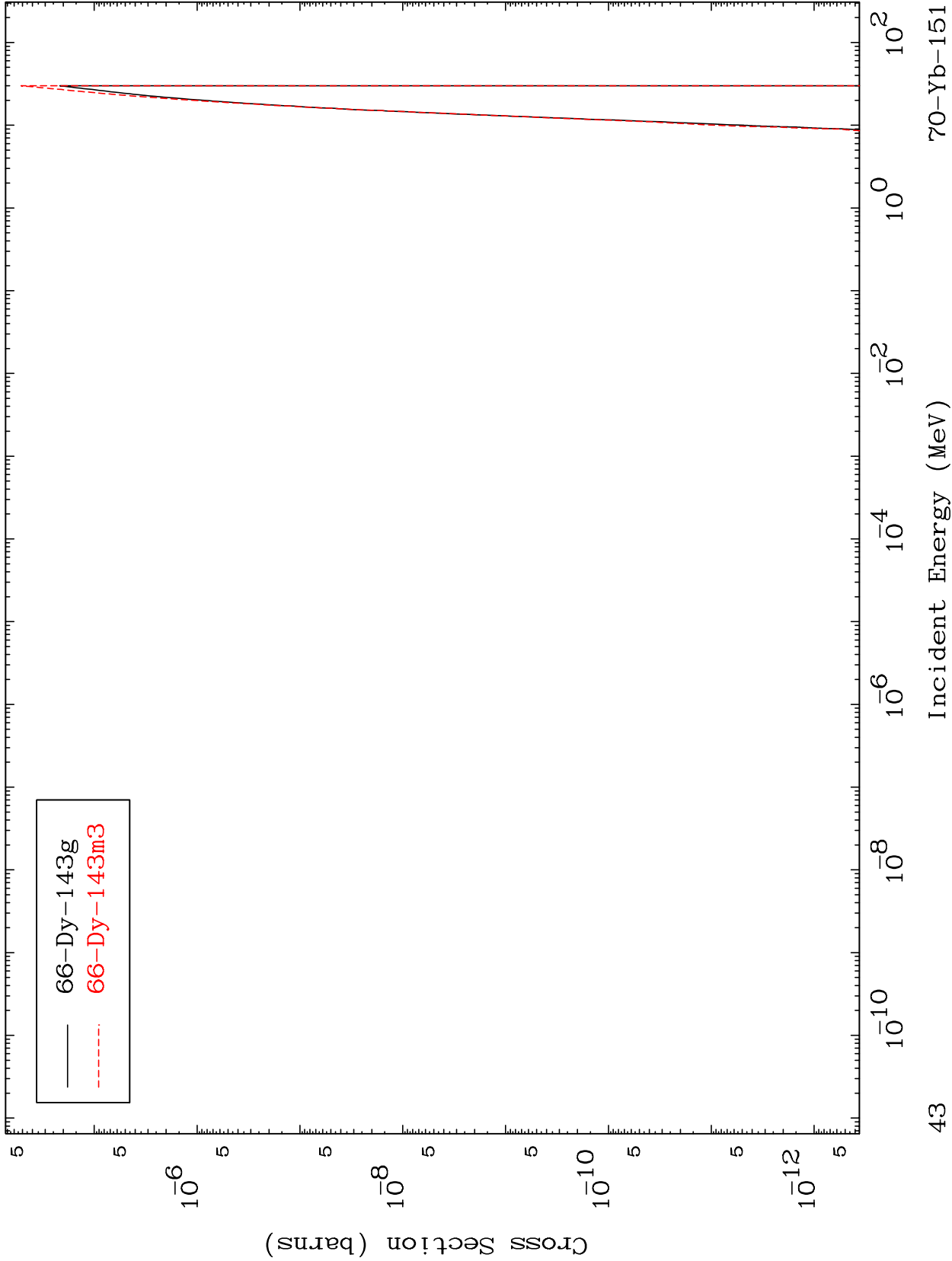
70-Yb-151

MAT 6974

(n,n') 2 $\alpha$

70-Yb-151

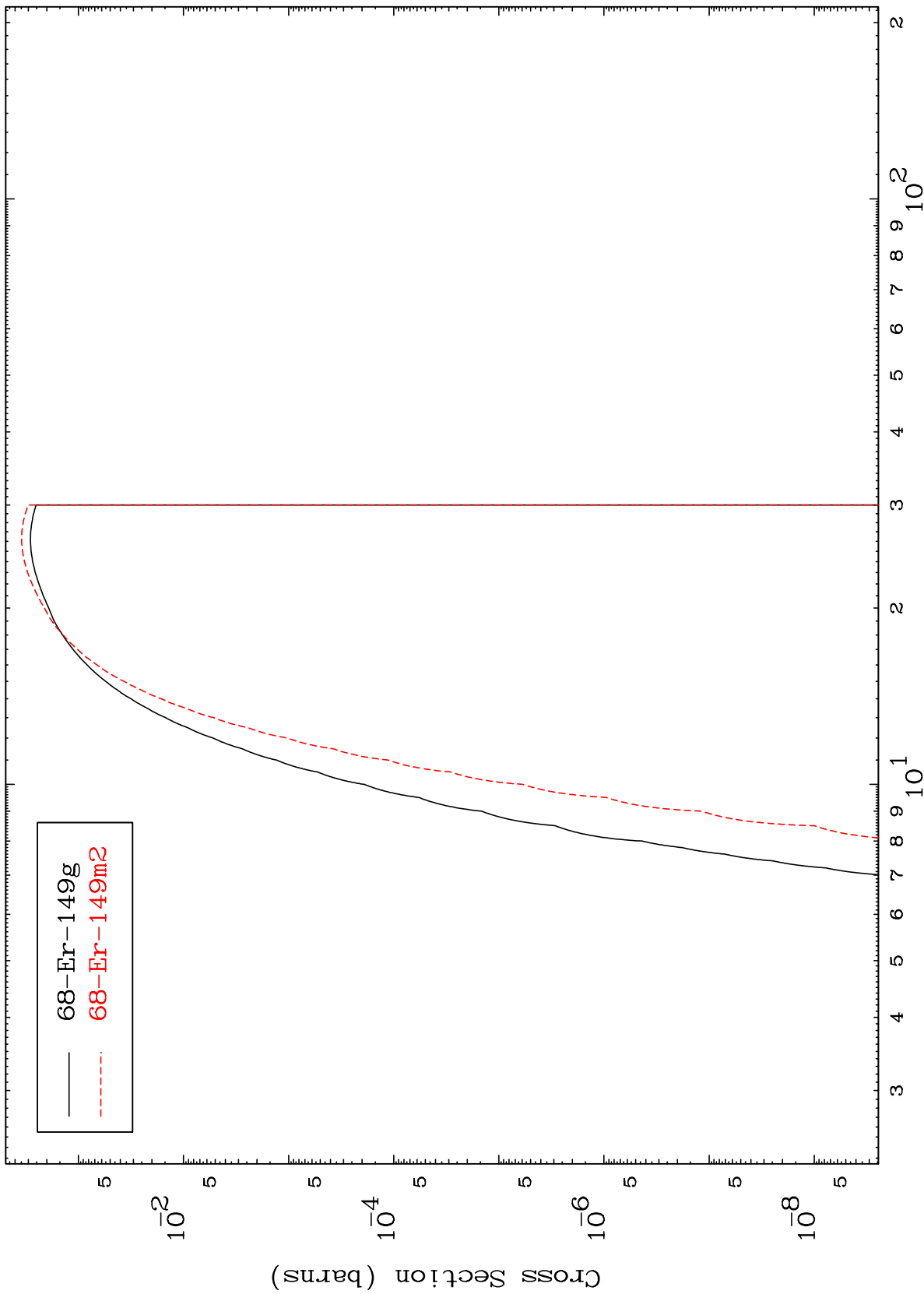
Radionuclide Production Cross Section



MAT 6974

70-Yb-151

(n,2n) p  
Radionuclide Production Cross Section



68-Er-149g  
68-Er-149m2

70-Yb-151

Incident Energy (MeV)

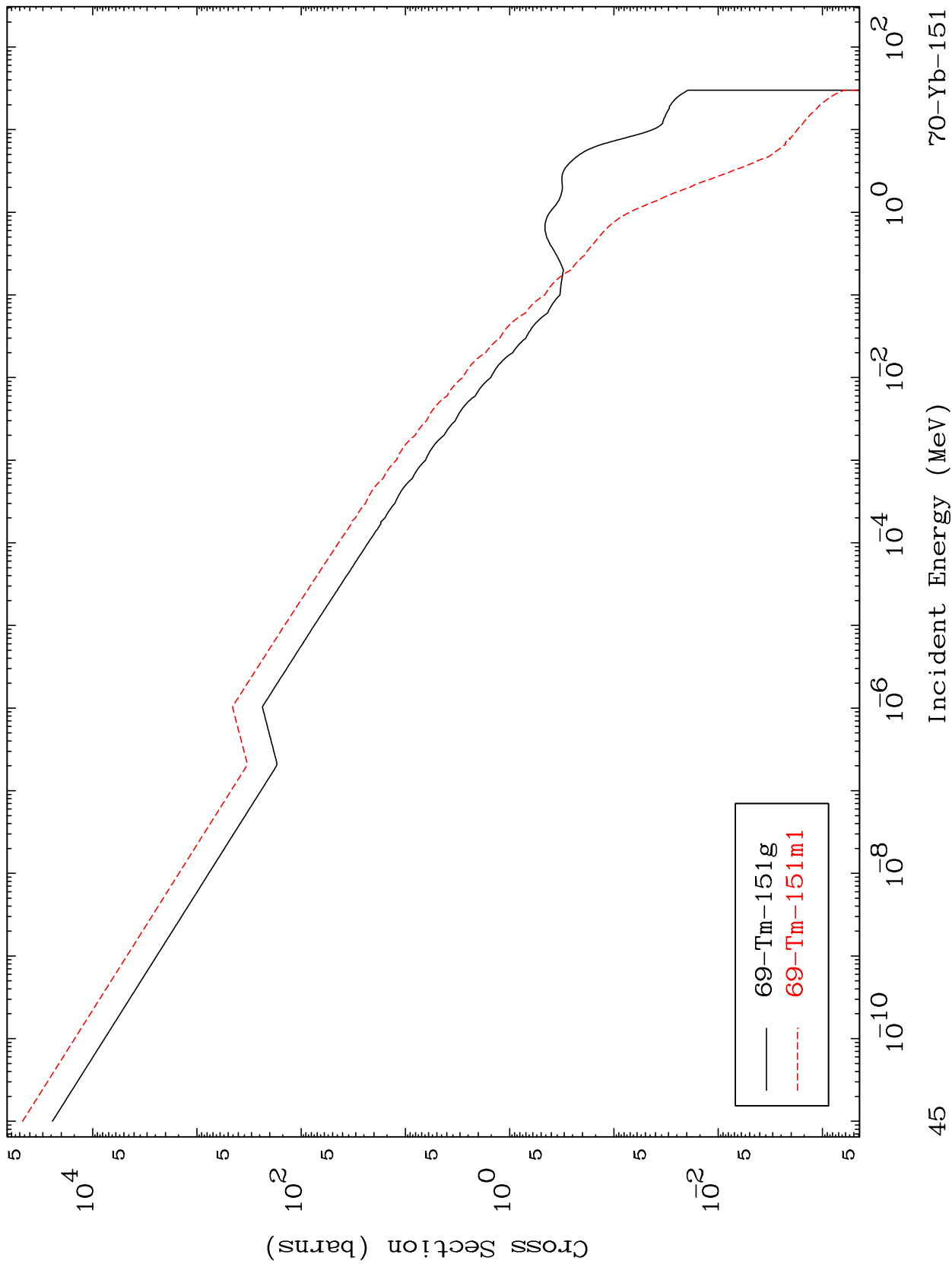
44

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70-Yb-151

Radionuclide Production Cross Section

(n,p)

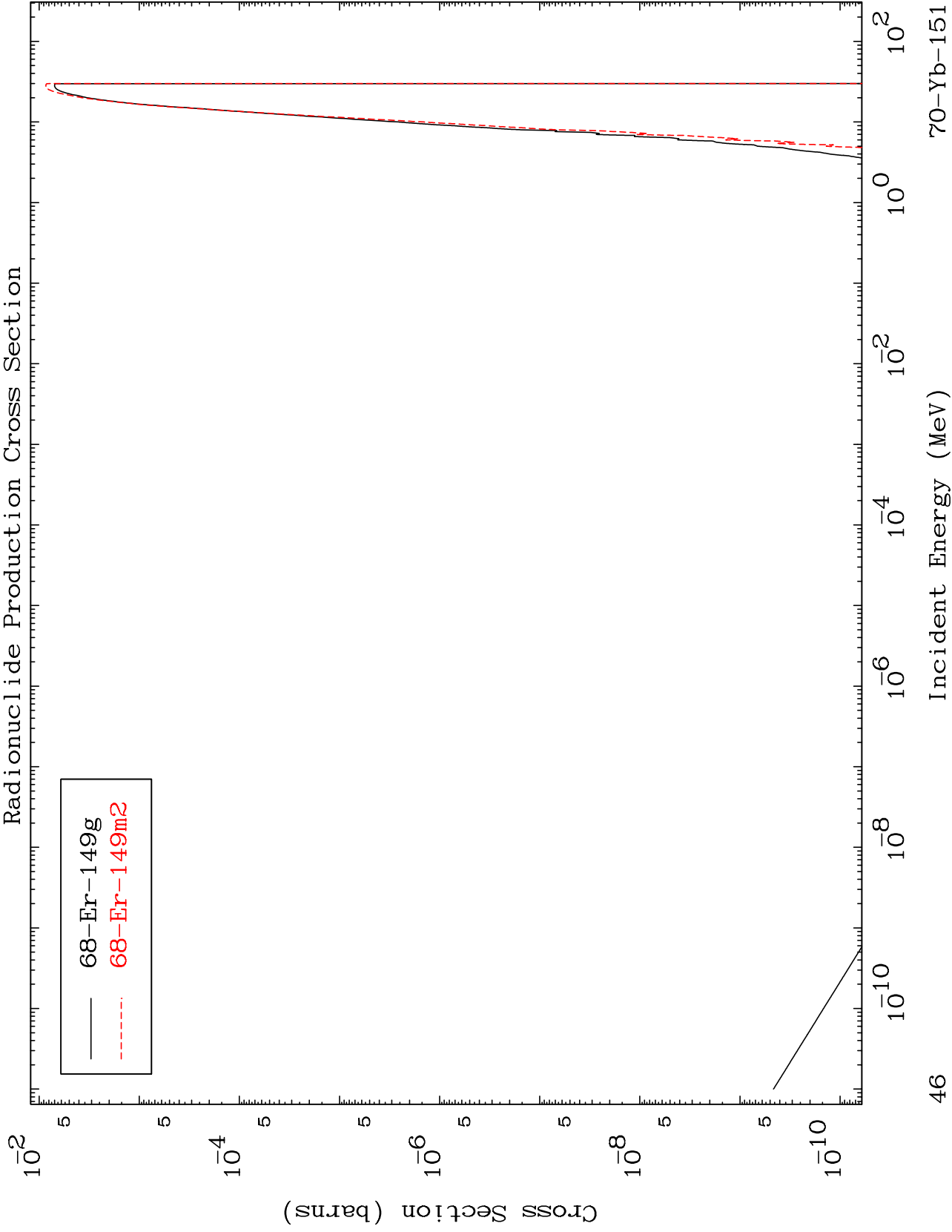


MAT 6974

(n,He-3)

70-Yb-151

Radionuclide Production Cross Section

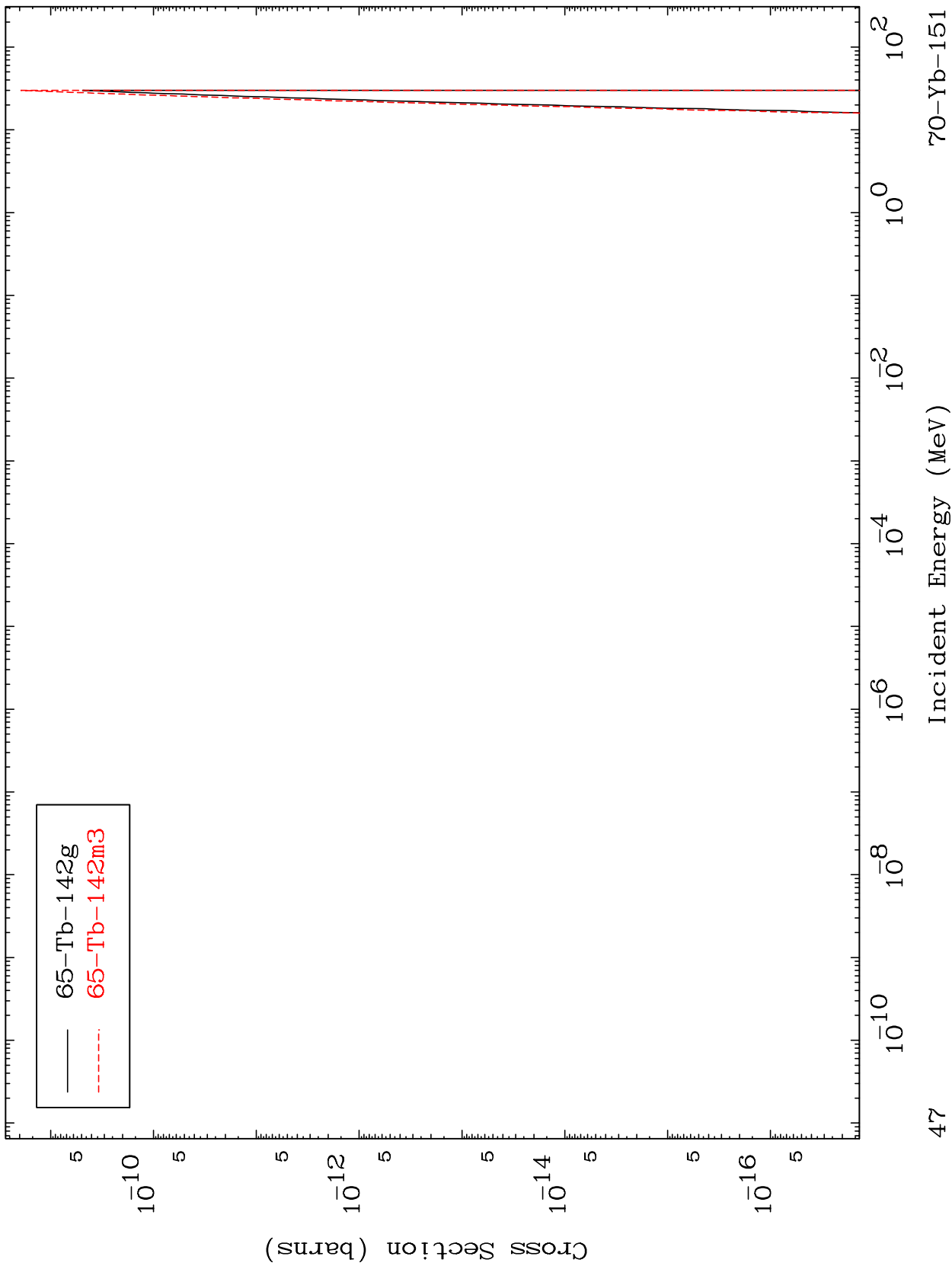


MAT 6974

(n,d) 2 $\alpha$

70-Yb-151

Radionuclide Production Cross Section



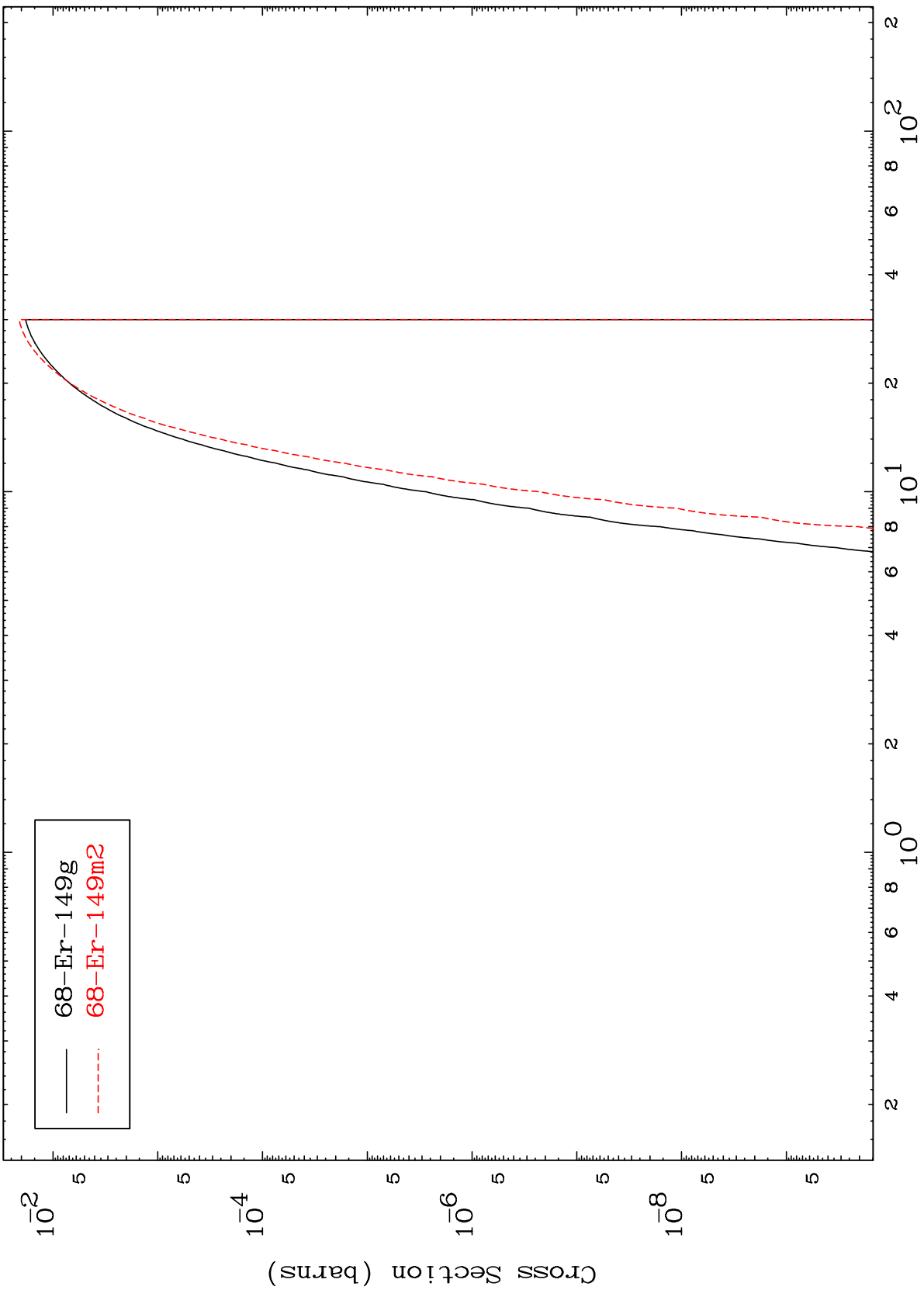


MAT 6974

(n,p) d

70-Yb-151

Radionuclide Production Cross Section



68-Er-149g  
68-Er-149m2

48

Incident Energy (MeV)

70-Yb-151