

Program EVALPLOT  
(Version 2015-2)

by

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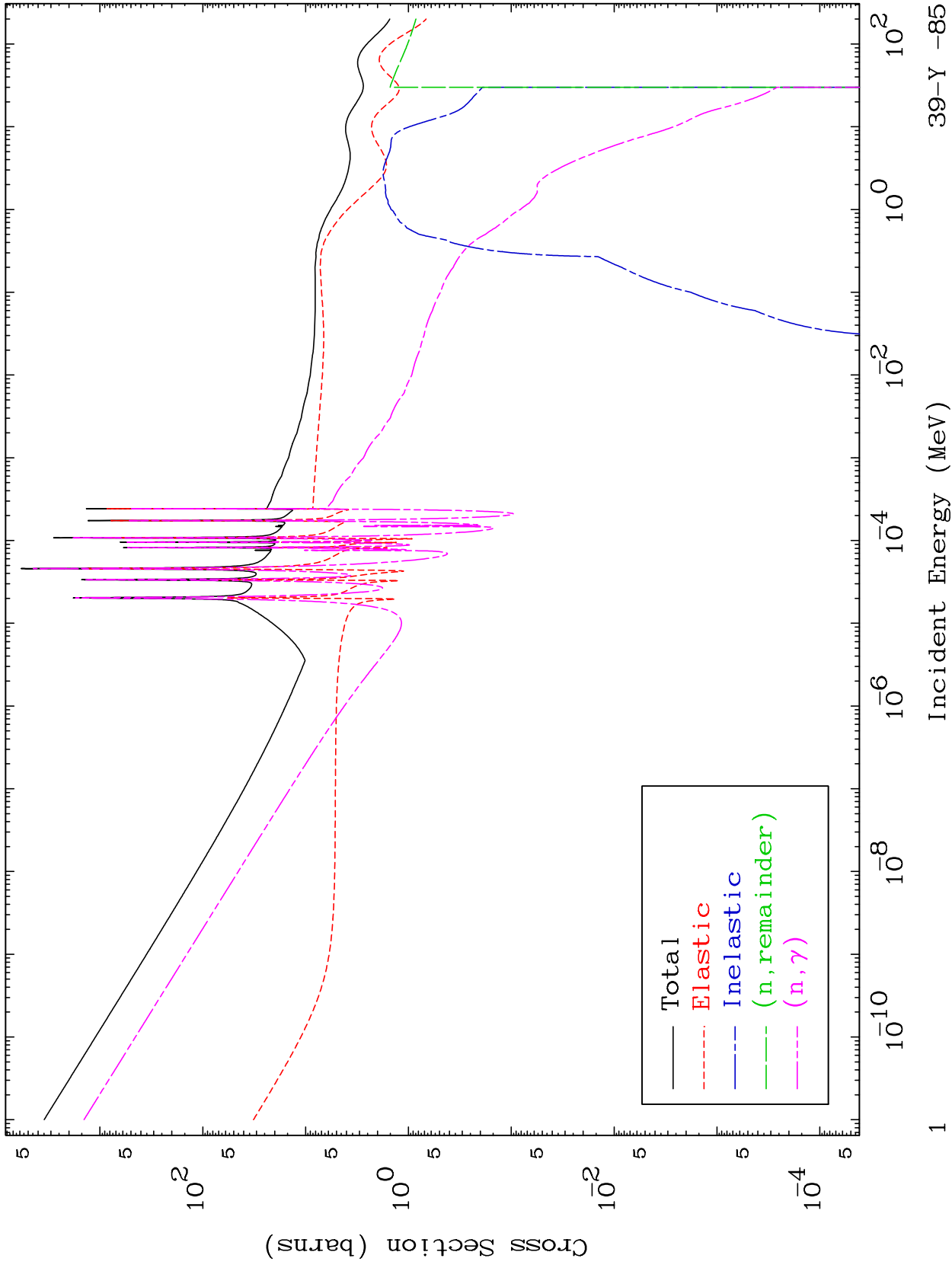
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

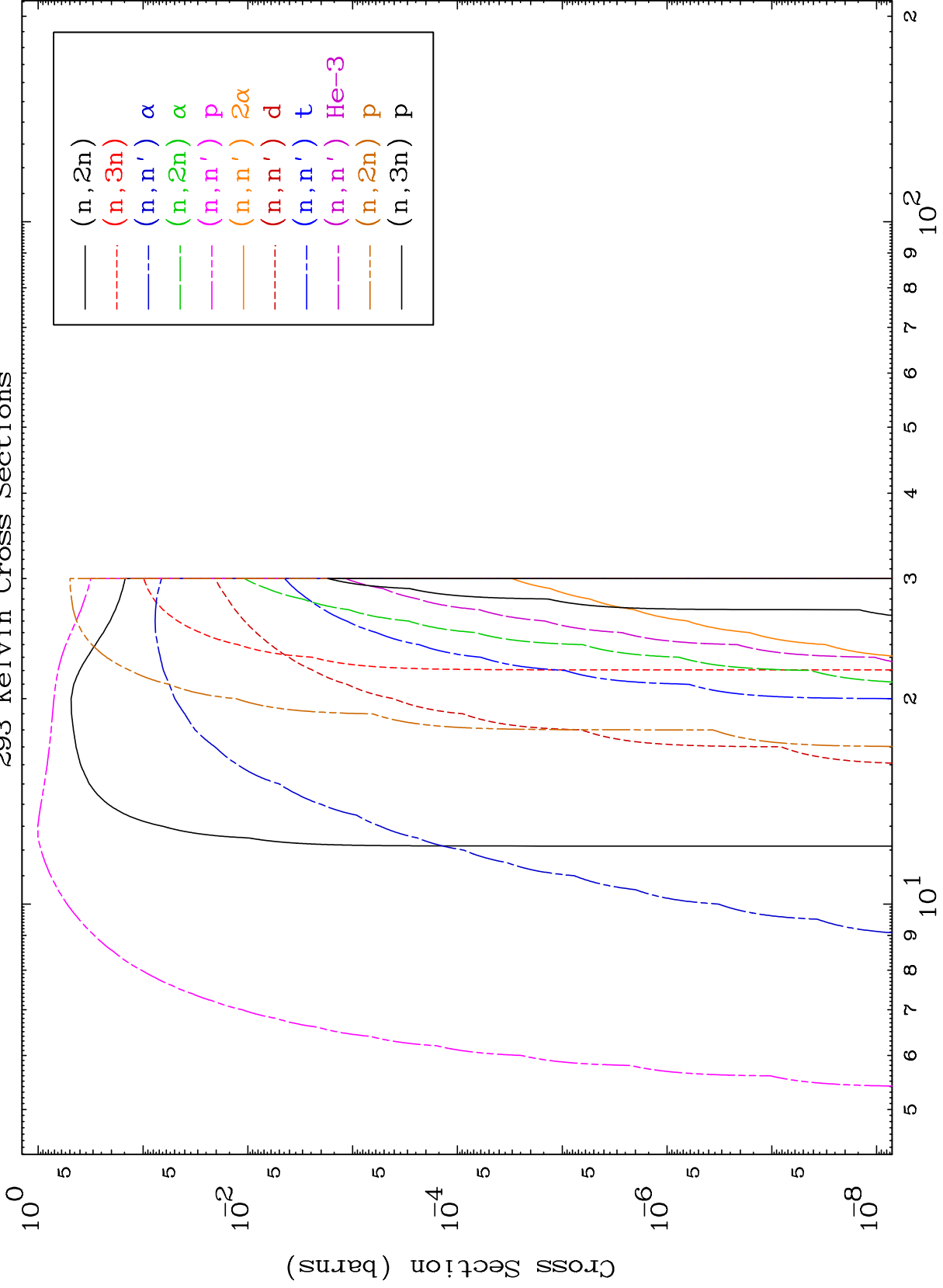
Press Mouse Button to Start

MAT 3913

Major  
293 Kelvin Cross Sections

39-Y -85

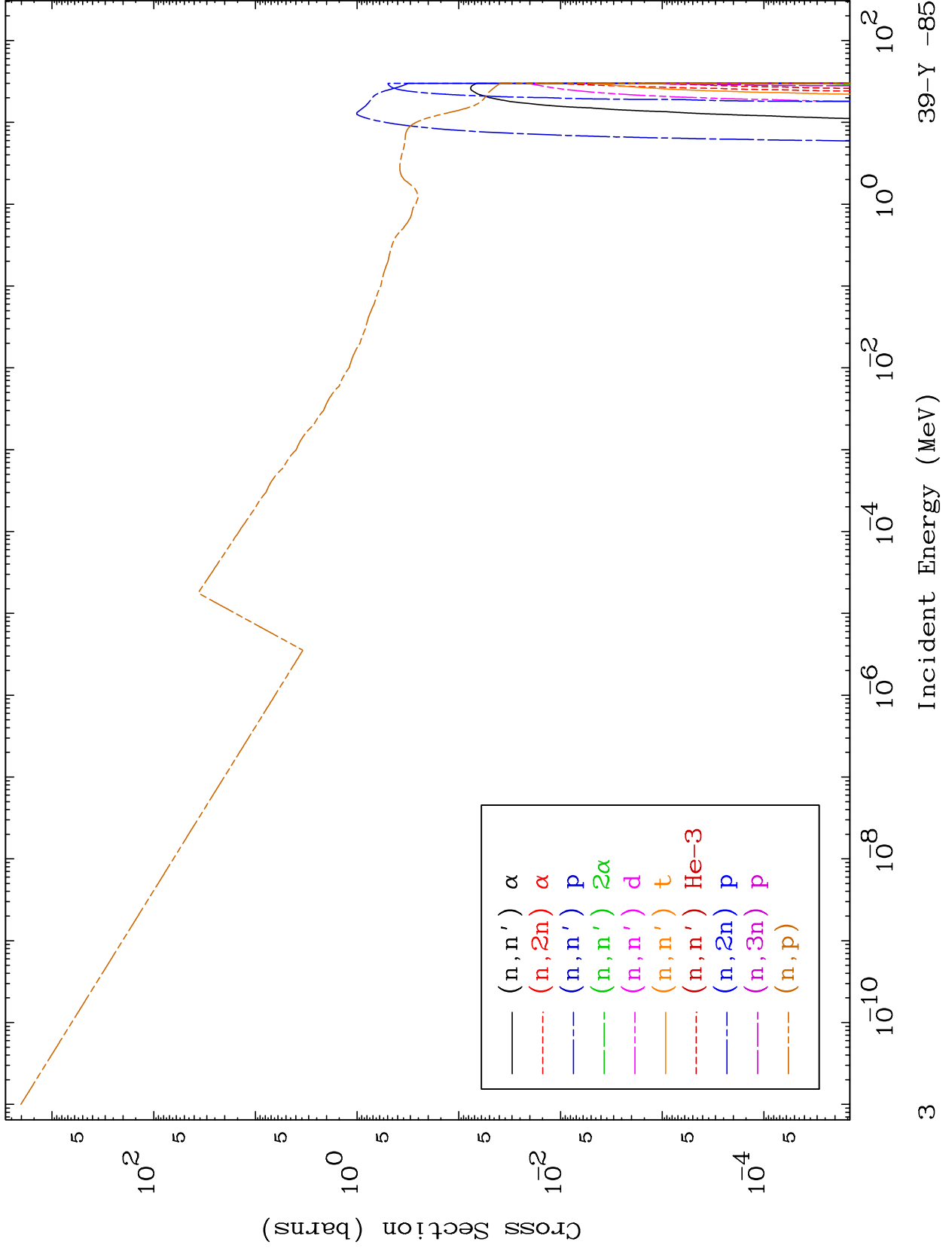




MAT 3913

Charged Particle  
293 Kelvin Cross Sections

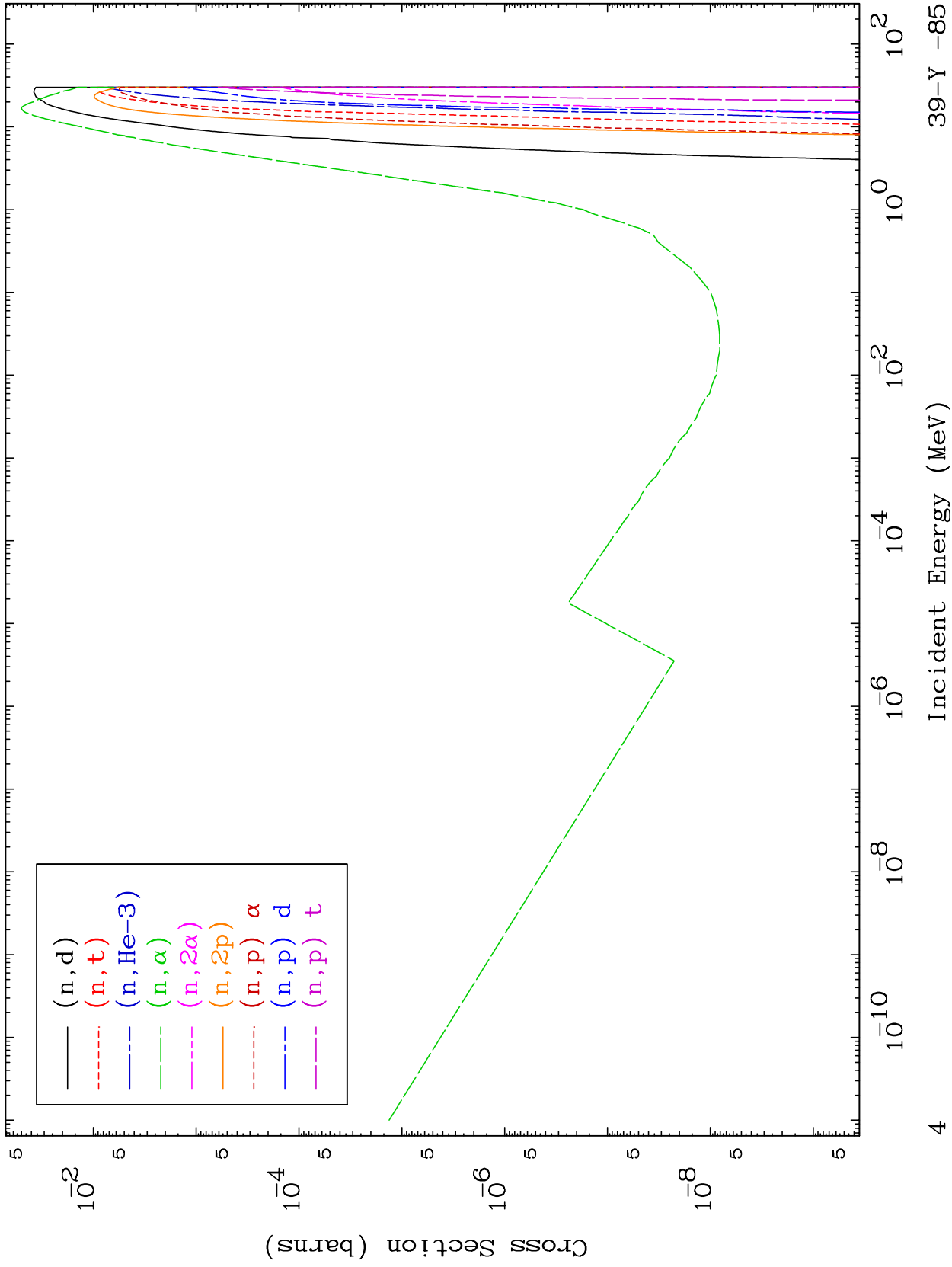
39-Y -85



MAT 3913

Charged Particle  
293 Kelvin Cross Sections

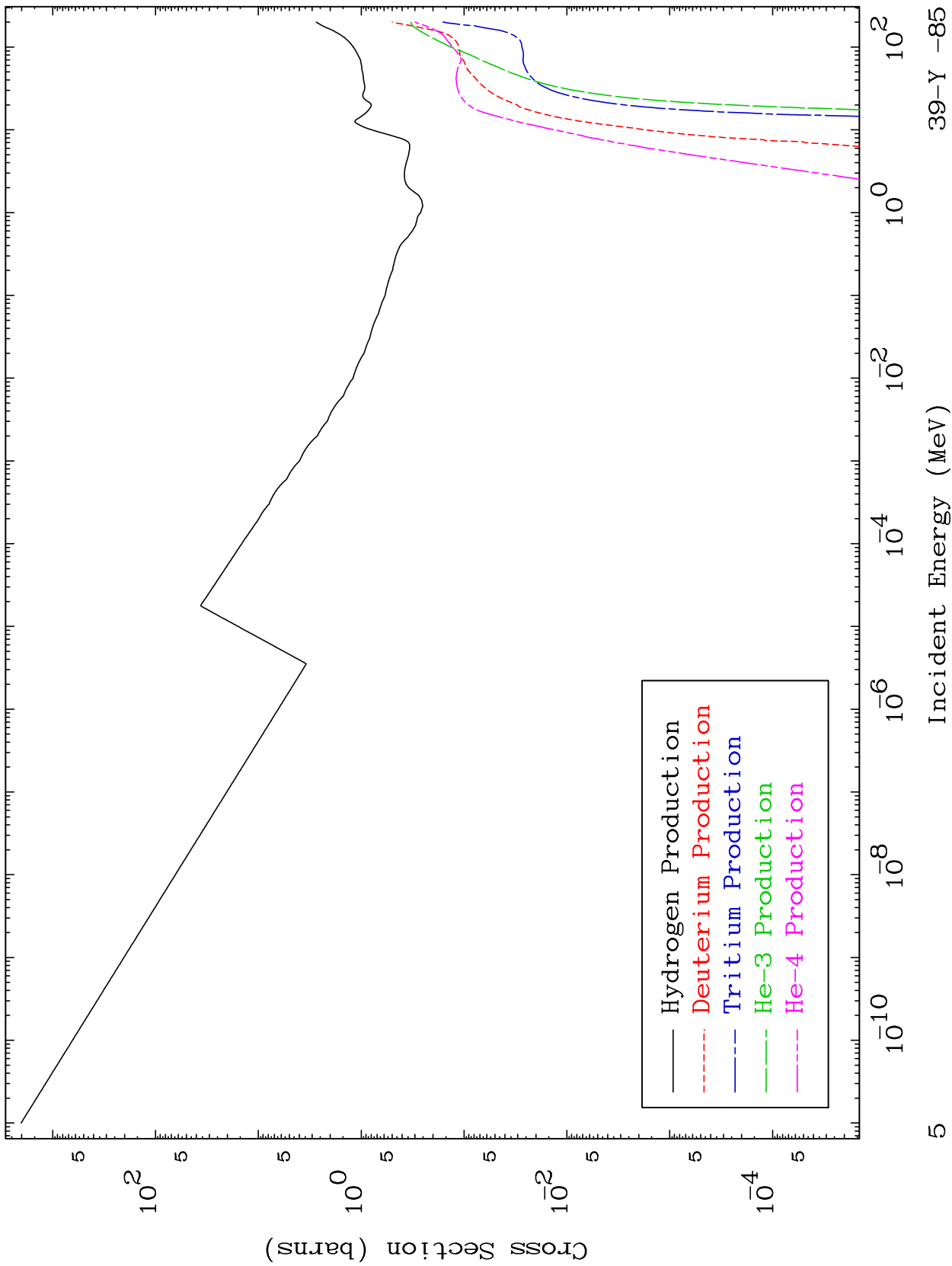
39-Y -85



MAT 3913

Particle Production  
293 Kelvin Cross Sections

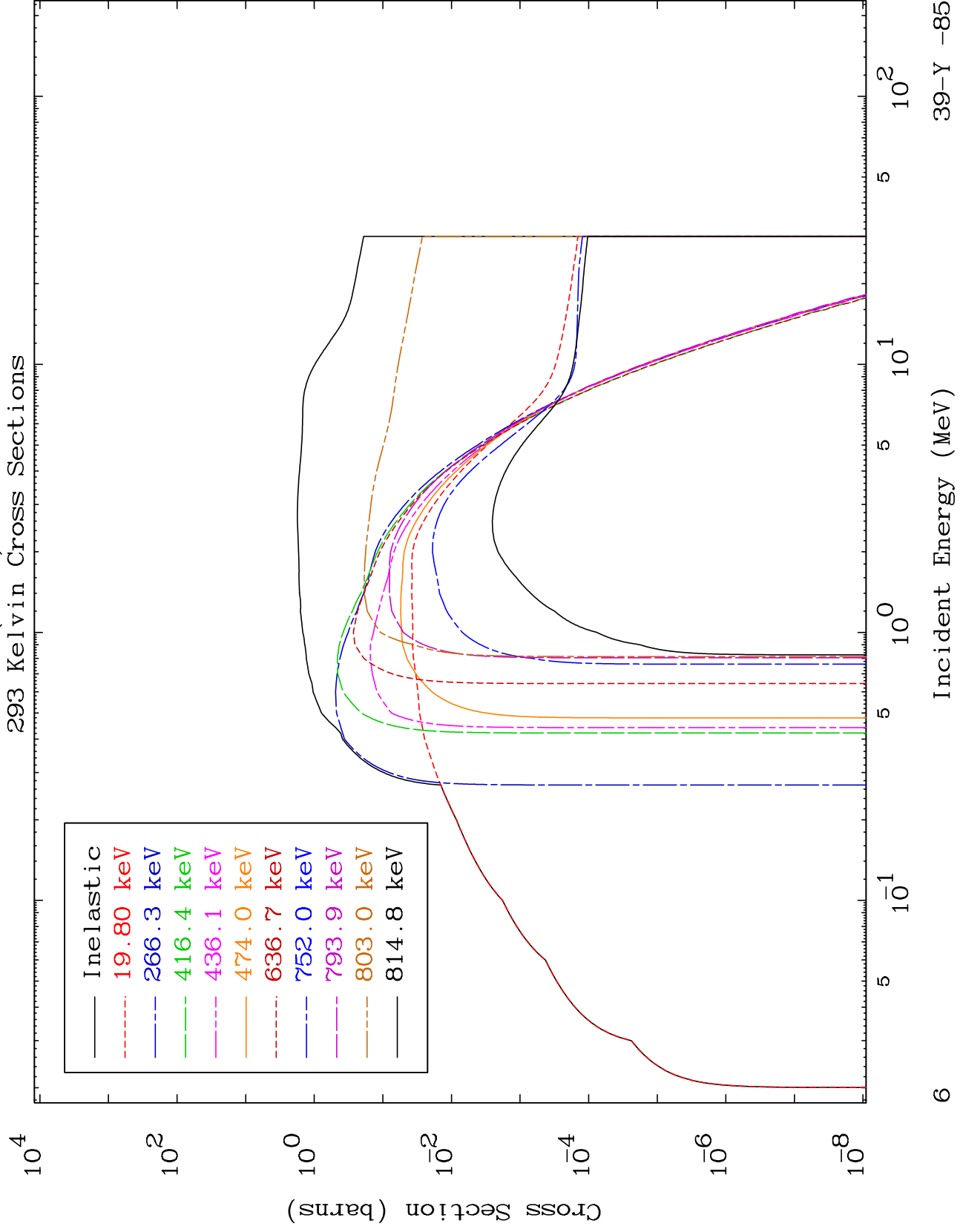
39-Y -85



MAT 3913

(n,n') Level  
293 Kelvin Cross Sections

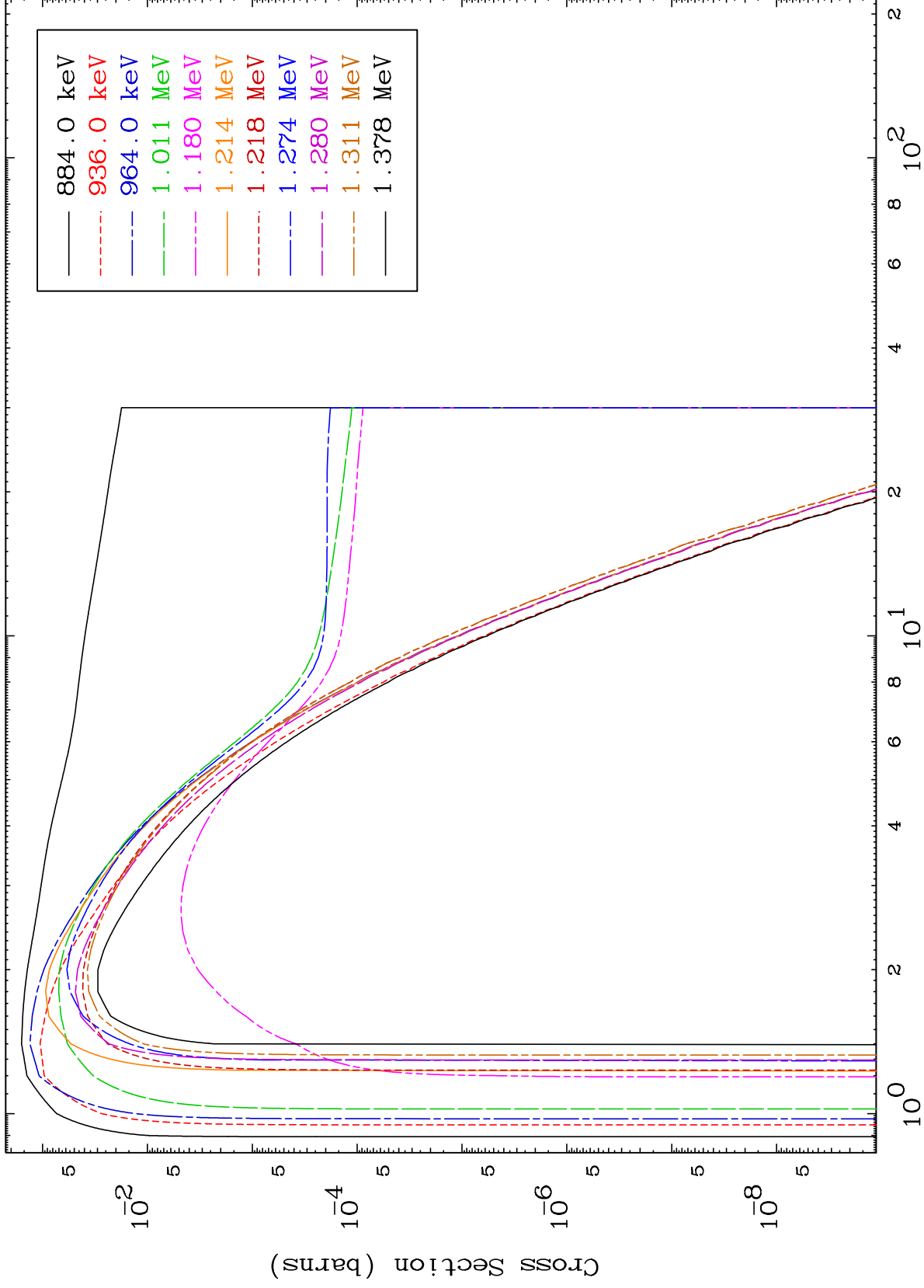
39-Y -85



MAT 3913

(n,n') Level  
293 Kelvin Cross Sections

39-Y -85



Incident Energy (MeV)

39-Y -85

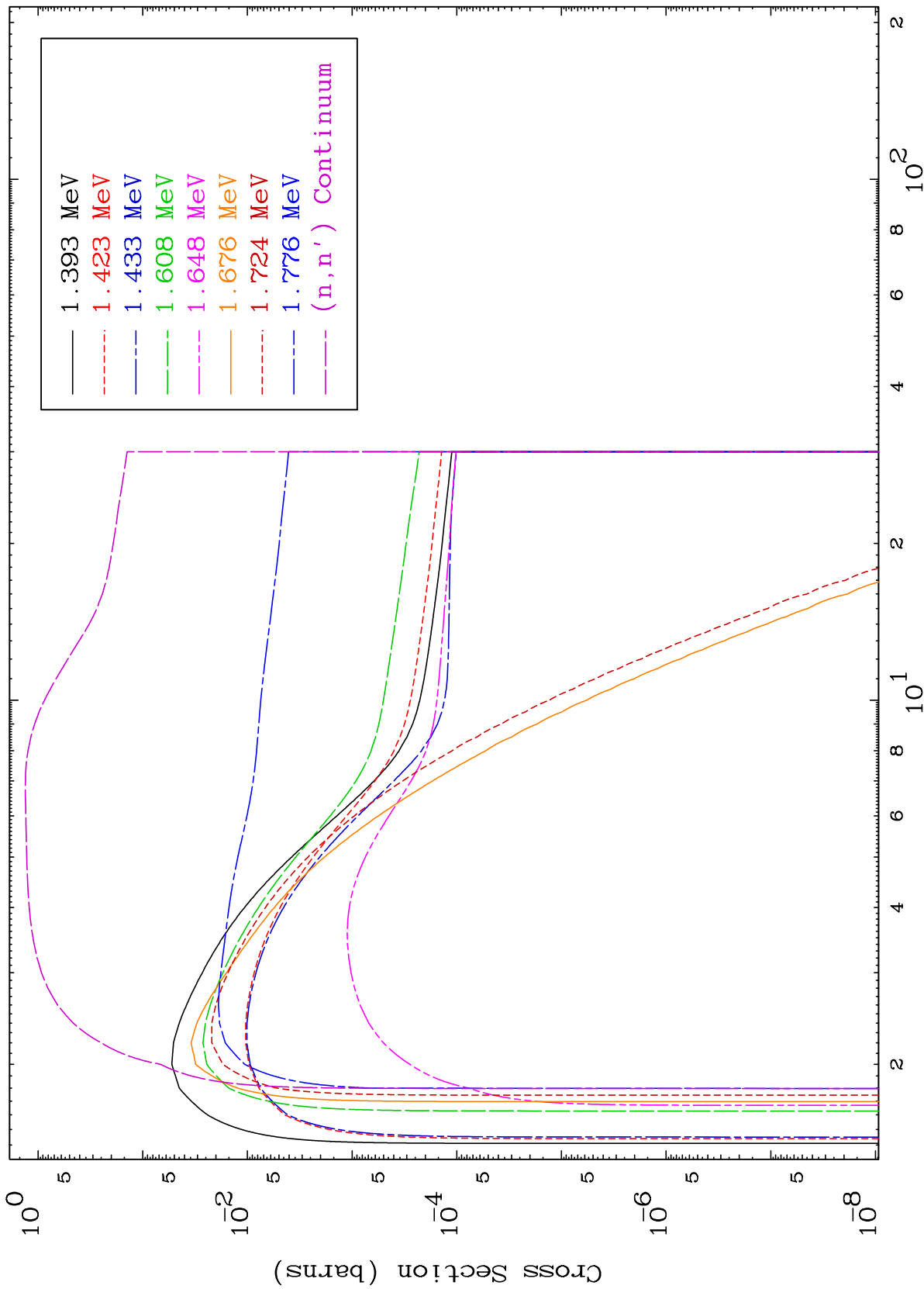


MAT 3913

(n,n') Level

39-Y -85

293 Kelvin Cross Sections



8

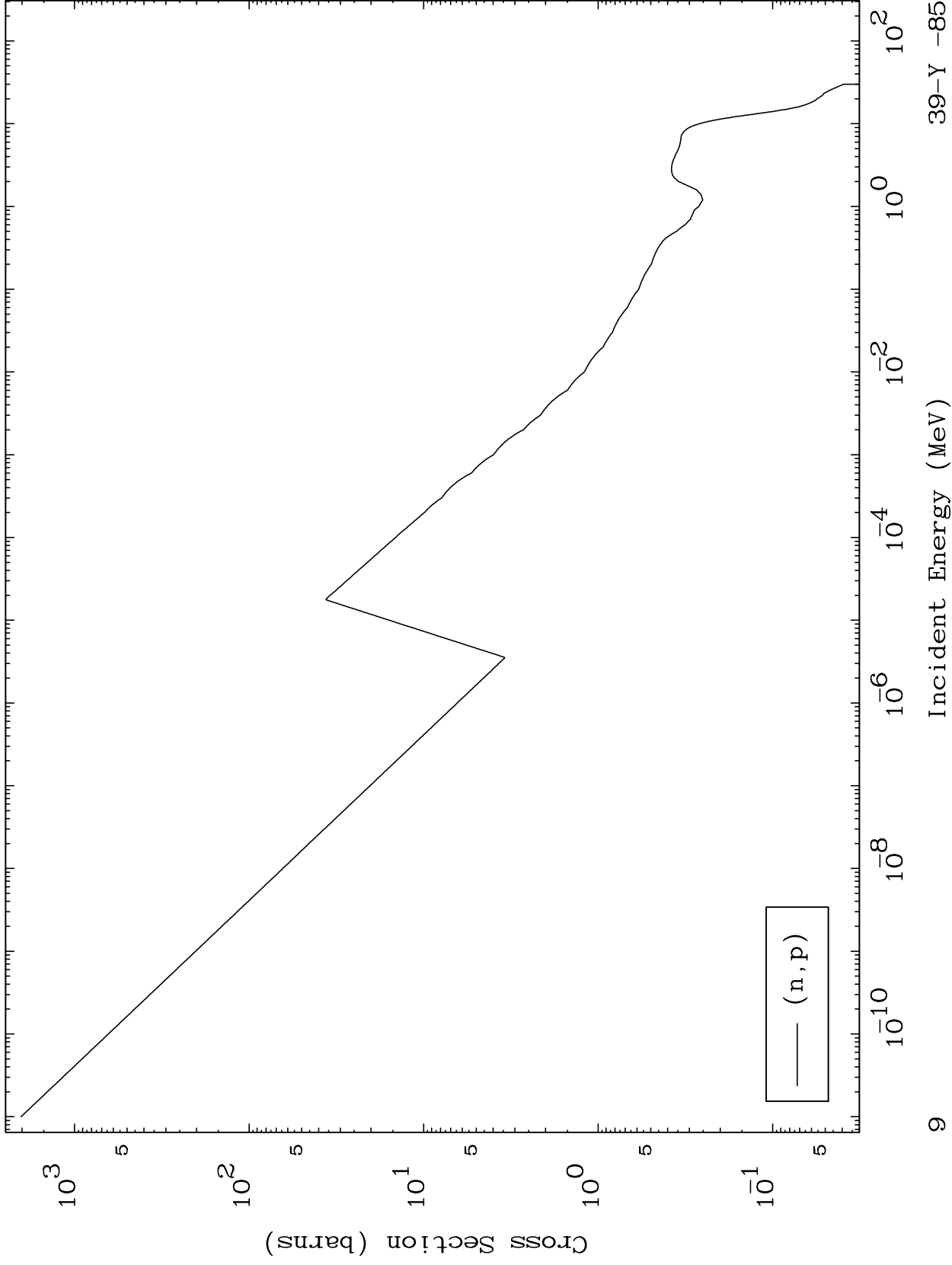
Incident Energy (MeV)

39-Y -85

MAT 3913

(n,p) Levels  
293 Kelvin Cross Sections

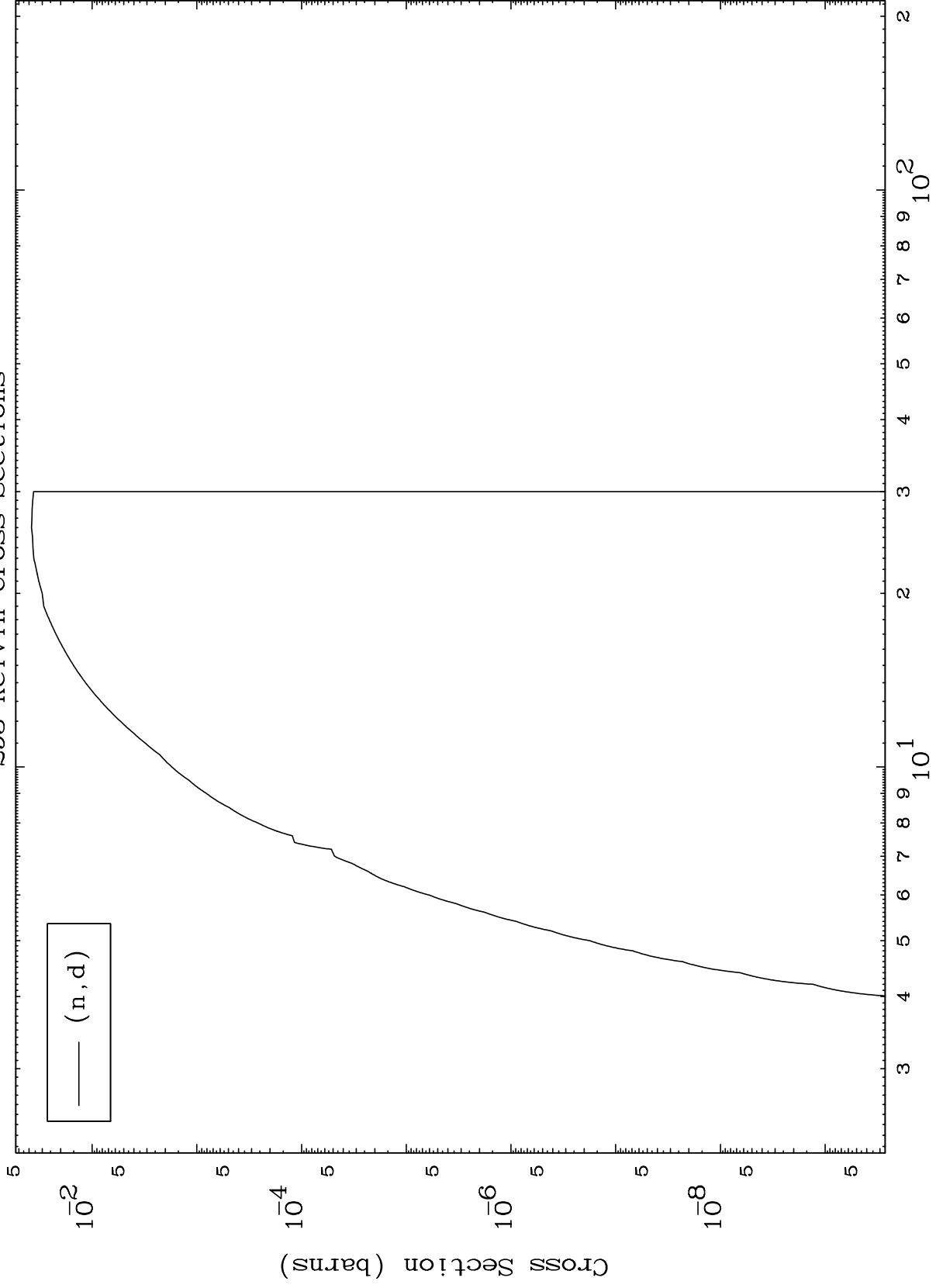
39-Y -85



MAT 3913

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -85



10

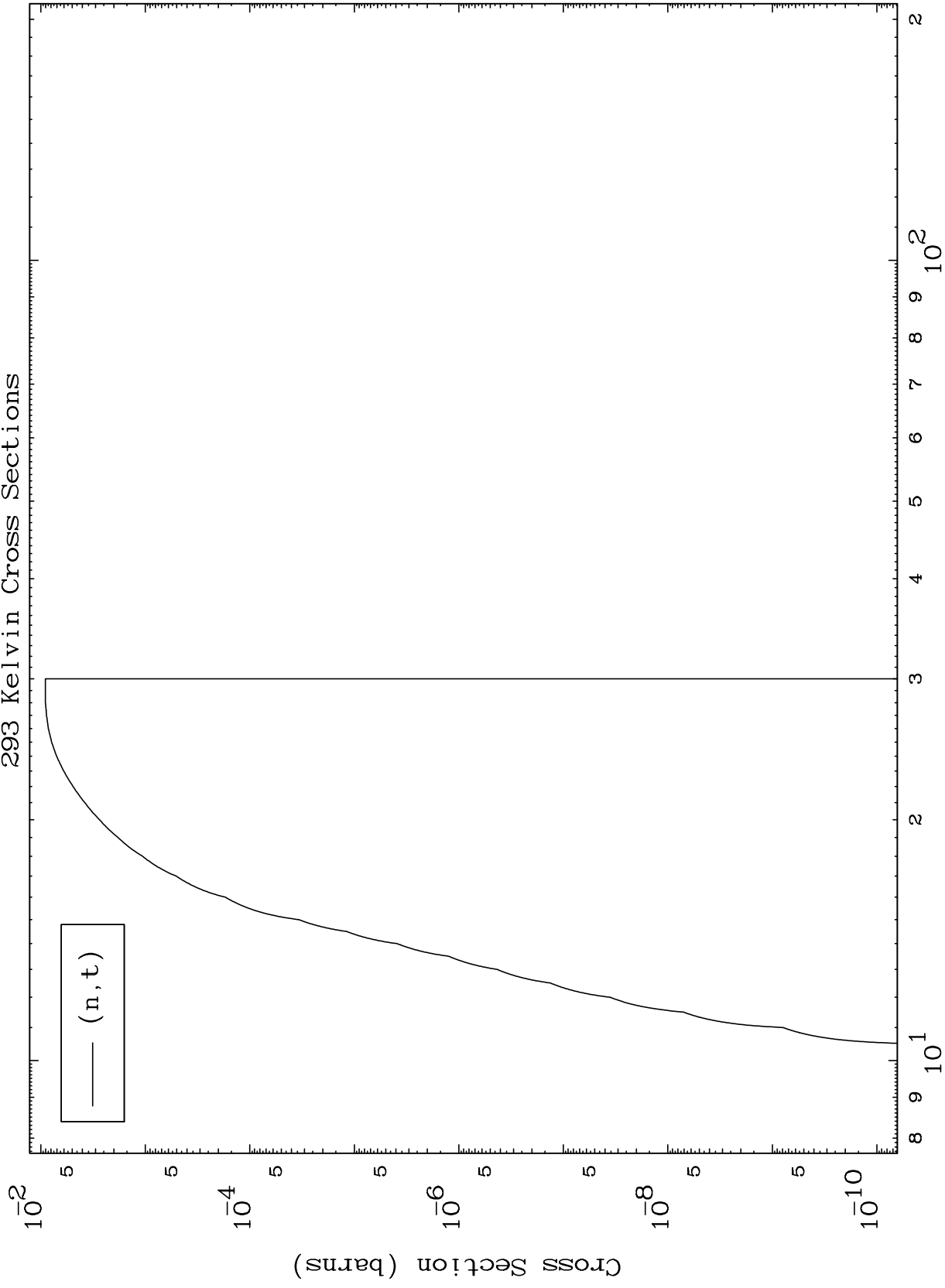
Incident Energy (MeV)

39-Y -85

MAT 3913

(n,t) Levels  
293 Kelvin Cross Sections

39-Y -85



11

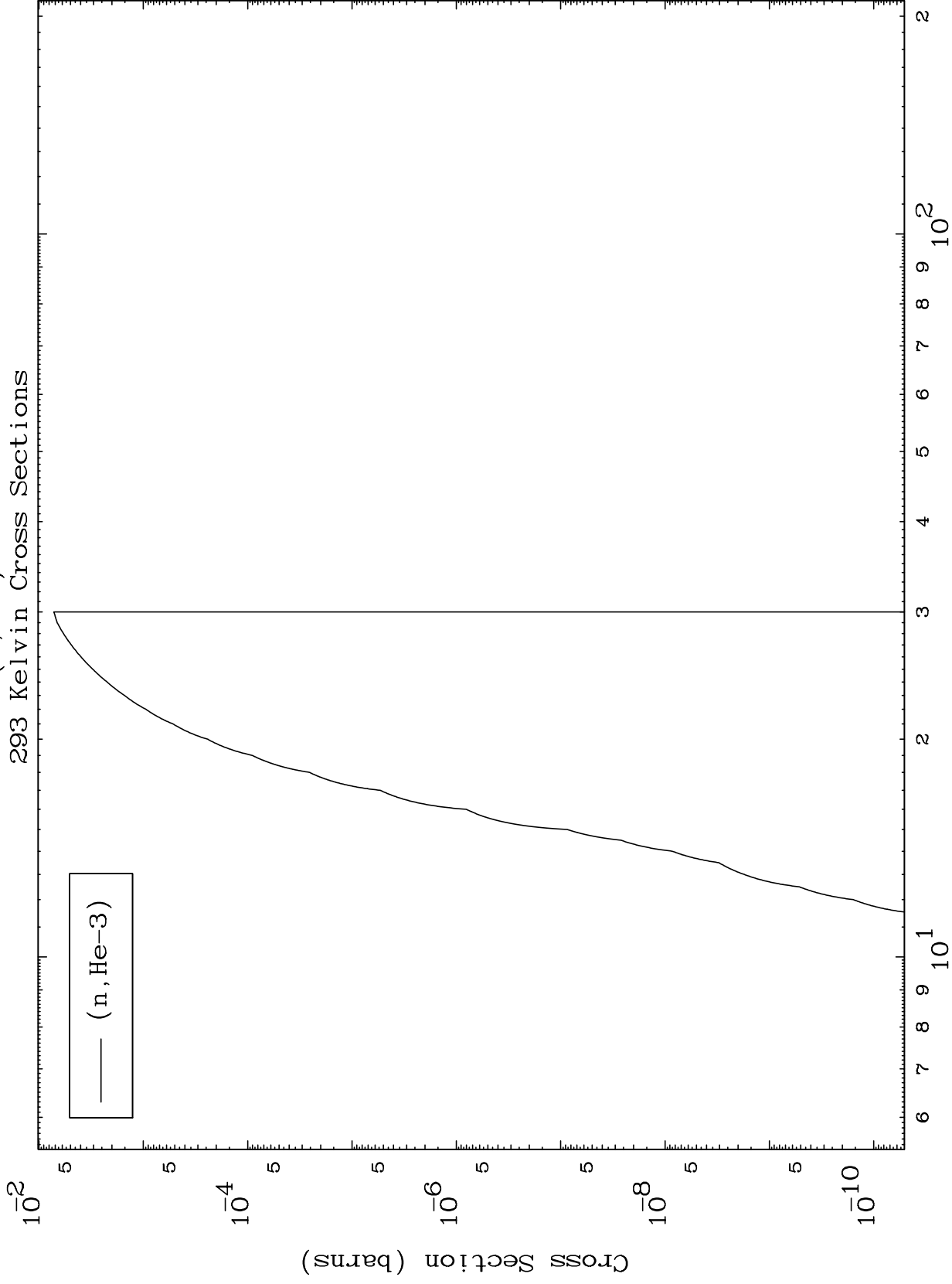
Incident Energy (MeV)

39-Y -85

MAT 3913

(n,He3) Levels  
293 Kelvin Cross Sections

39-Y -85



12

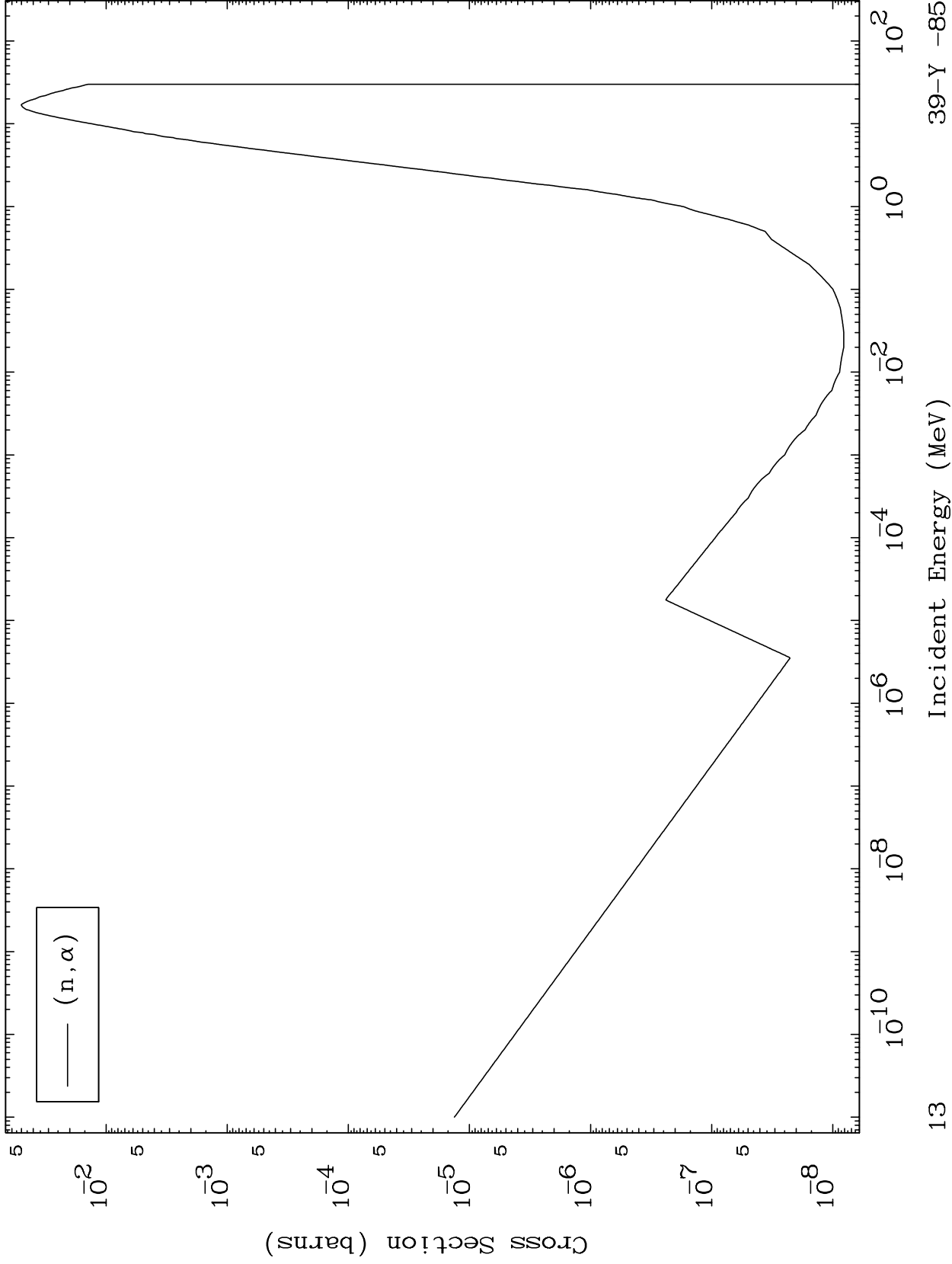
Incident Energy (MeV)

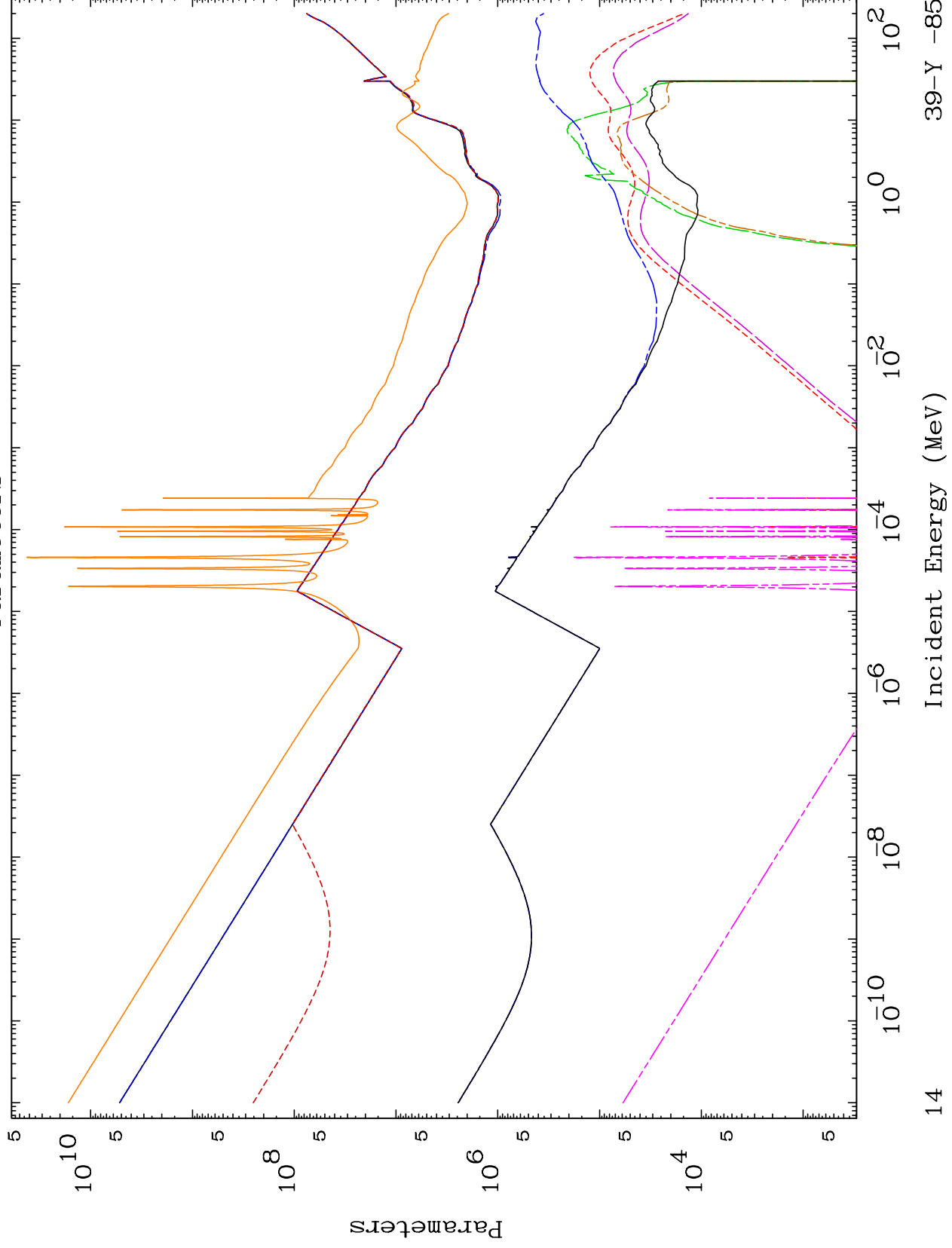
39-Y -85

MAT 3913

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

39-Y -85

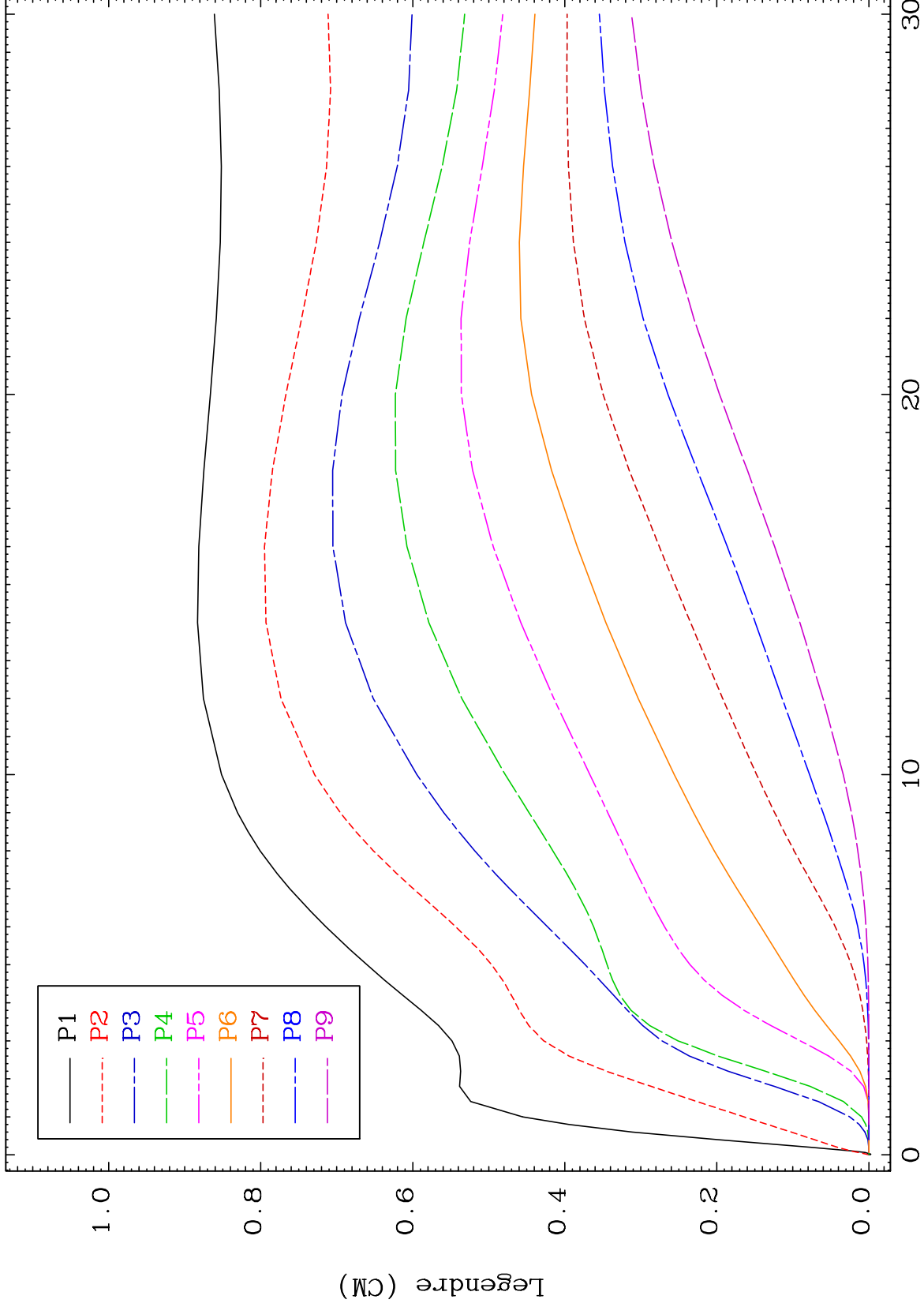




MAT 3913

Elastic Legendre Coefficients

39-Y -85

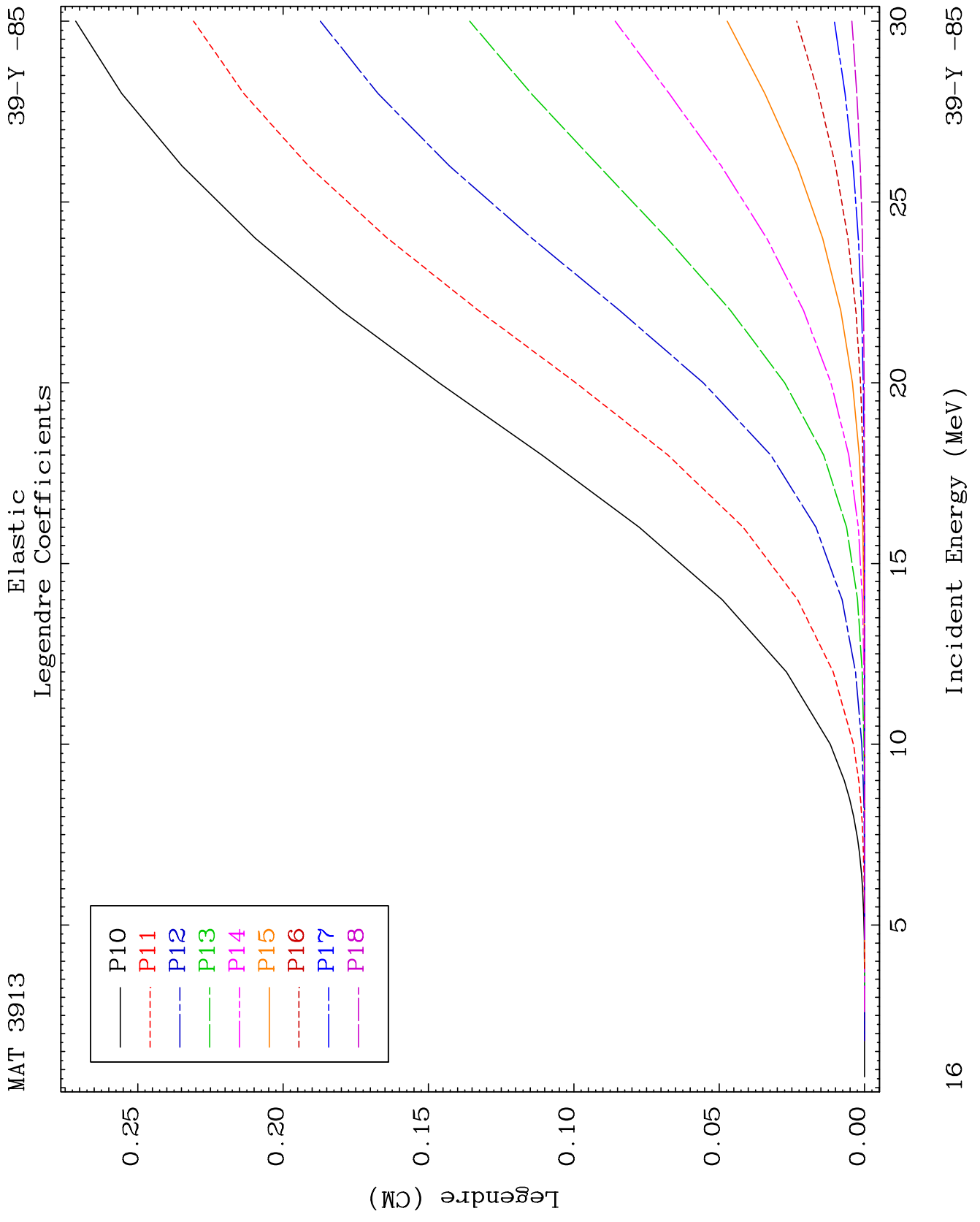


15

Incident Energy (MeV)

39-Y -85

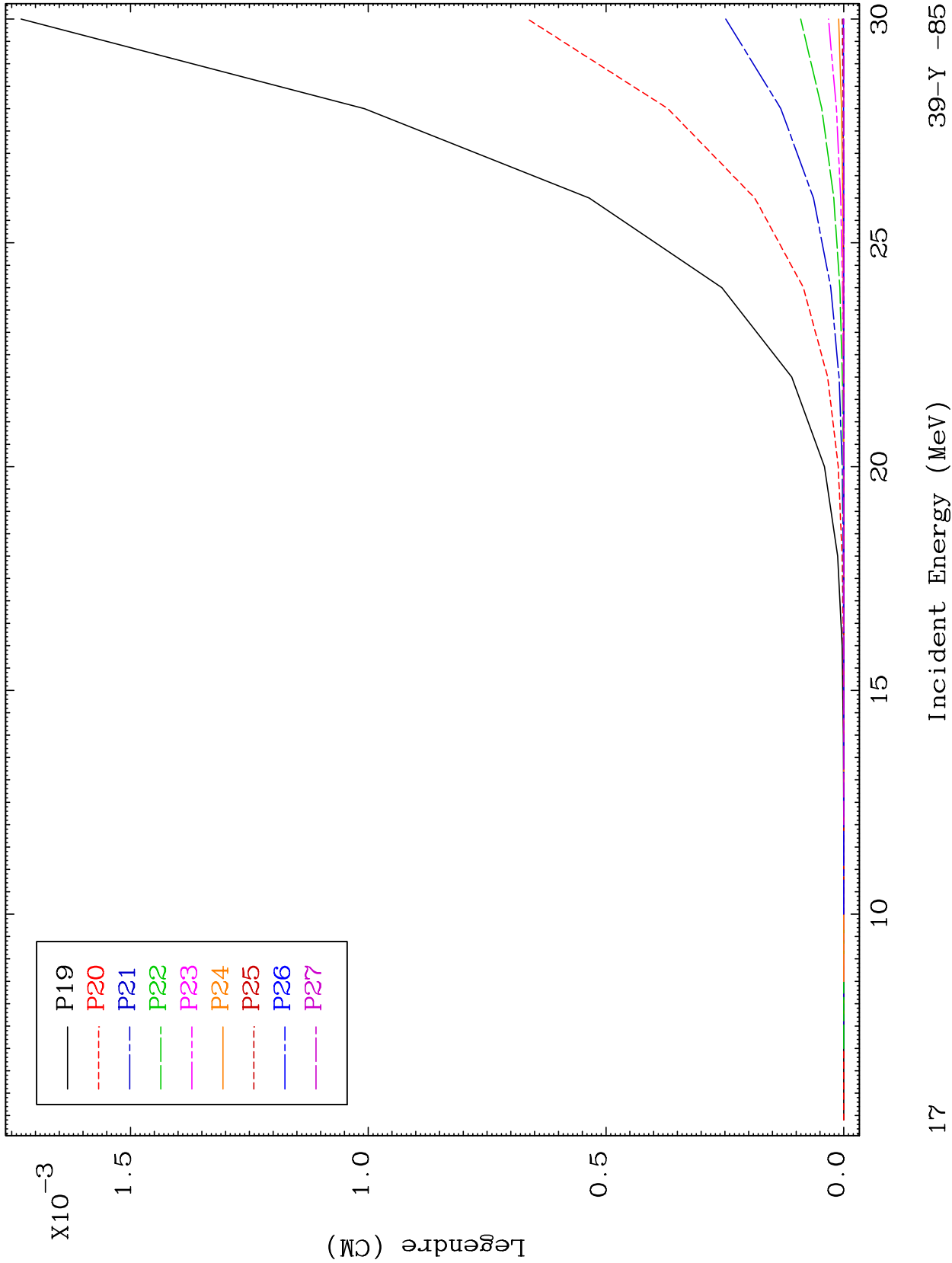




MAT 3913

Elastic Legendre Coefficients

39-Y -85

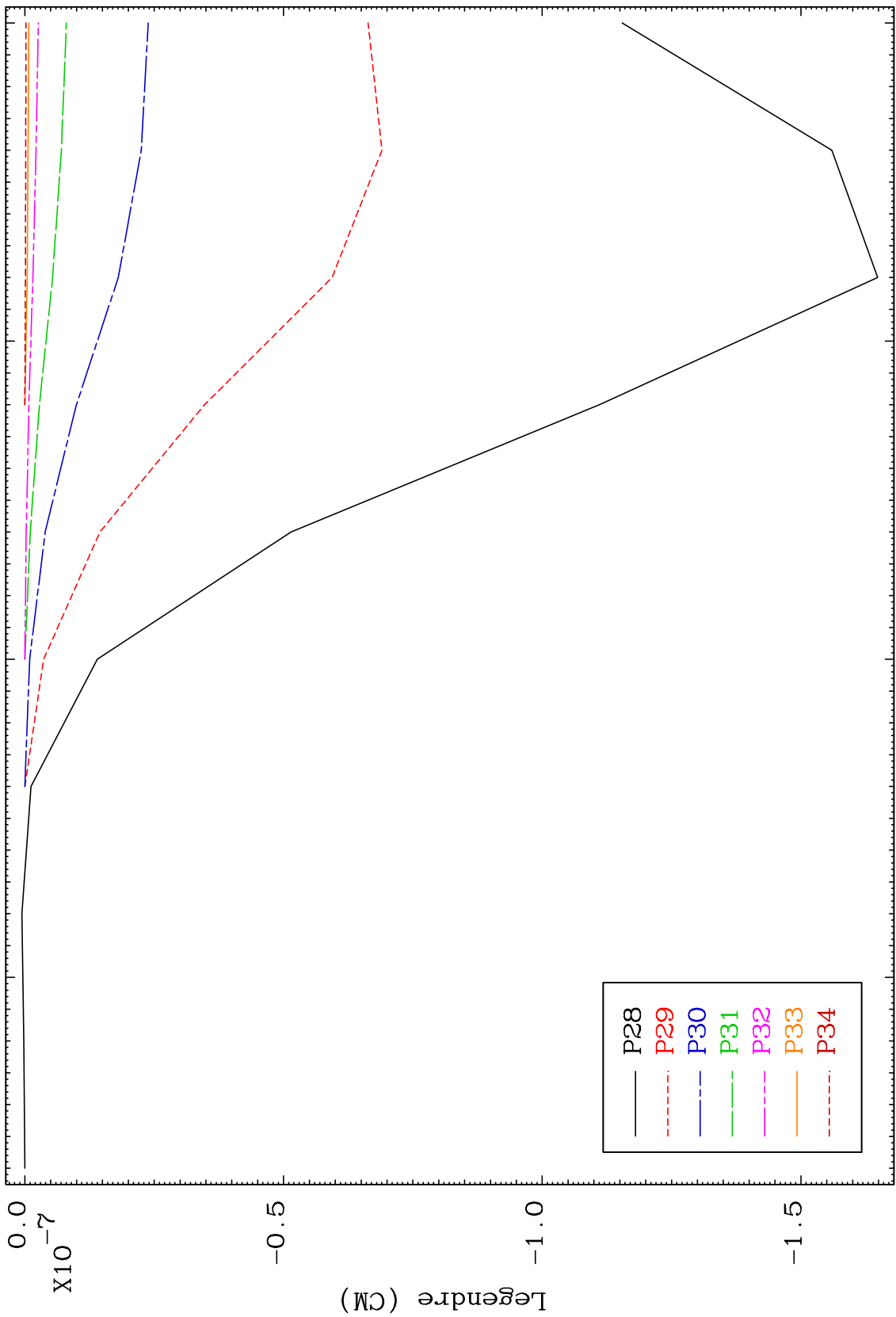


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 3913

39-Y -85

Elastic Legendre Coefficients



Legendre (CM)  
X10<sup>-7</sup>

30

25

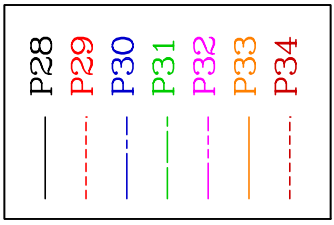
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15

18

Incident Energy (MeV)

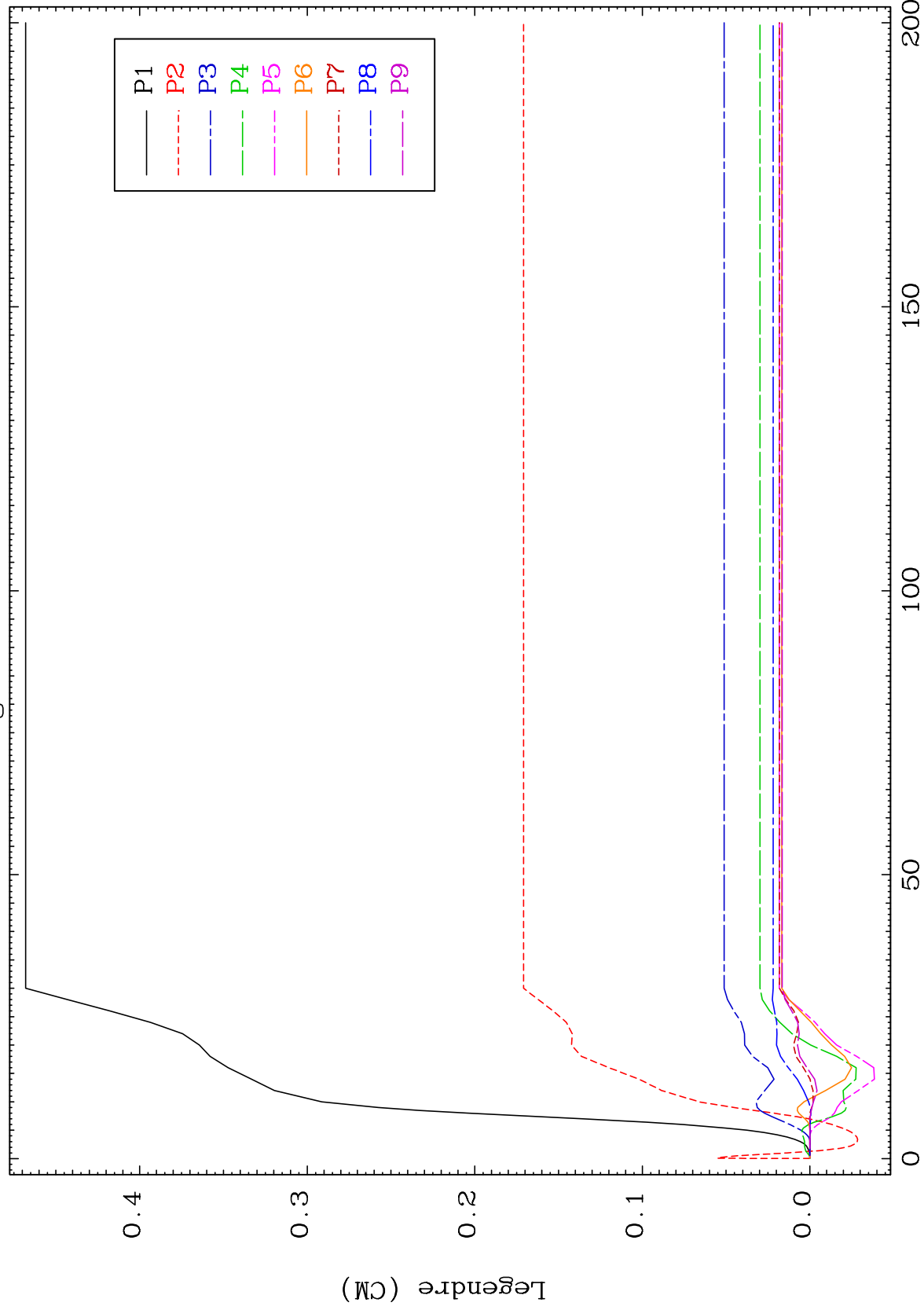
39-Y -85



MAT 3913

19.80 keV (n,n') Level  
Legendre Coefficients

39-Y -85



39-Y -85

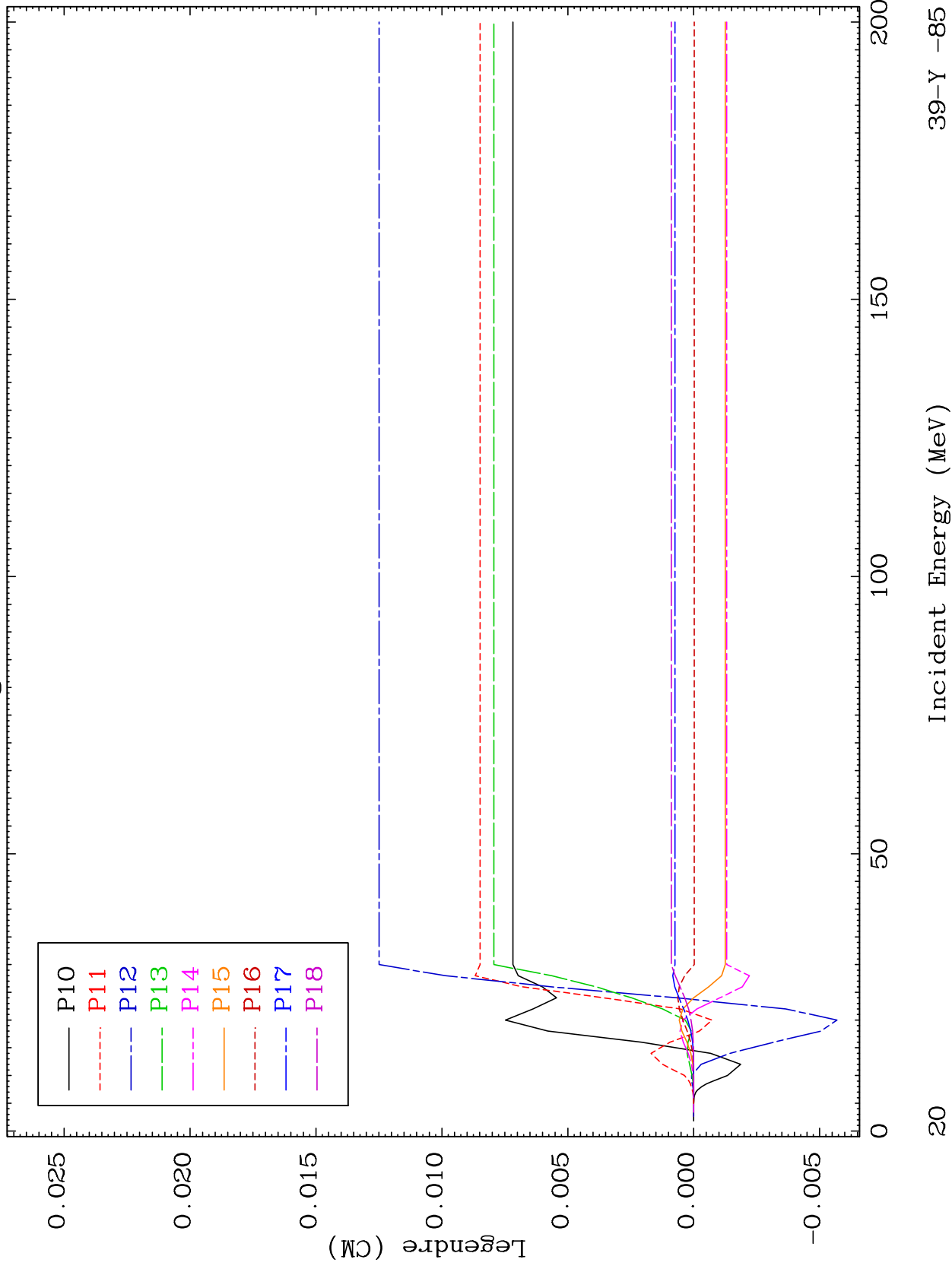
Incident Energy (MeV)

19

MAT 3913

19.80 keV (n,n') Level  
Legendre Coefficients

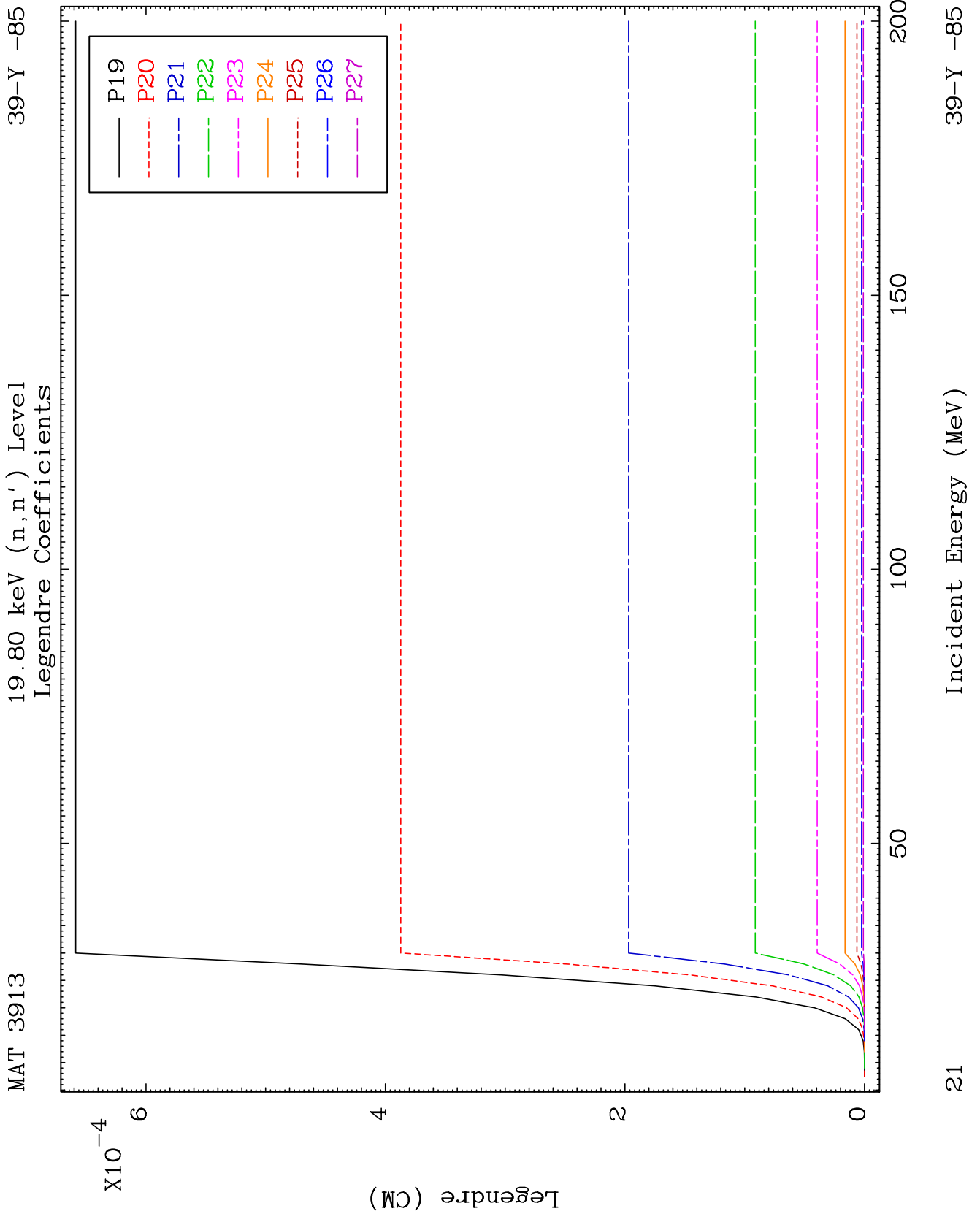
39-Y -85



39-Y -85

Incident Energy (MeV)

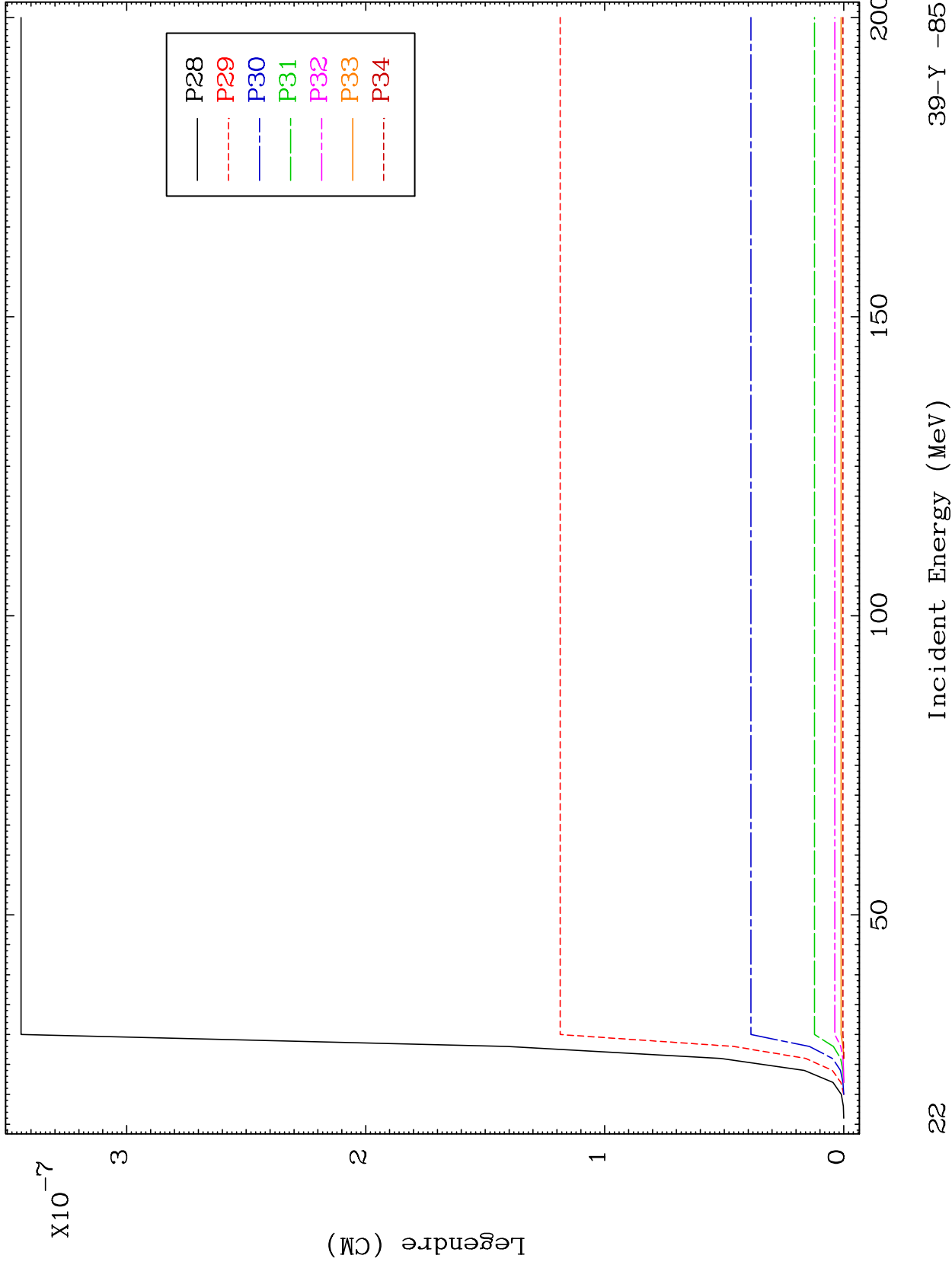
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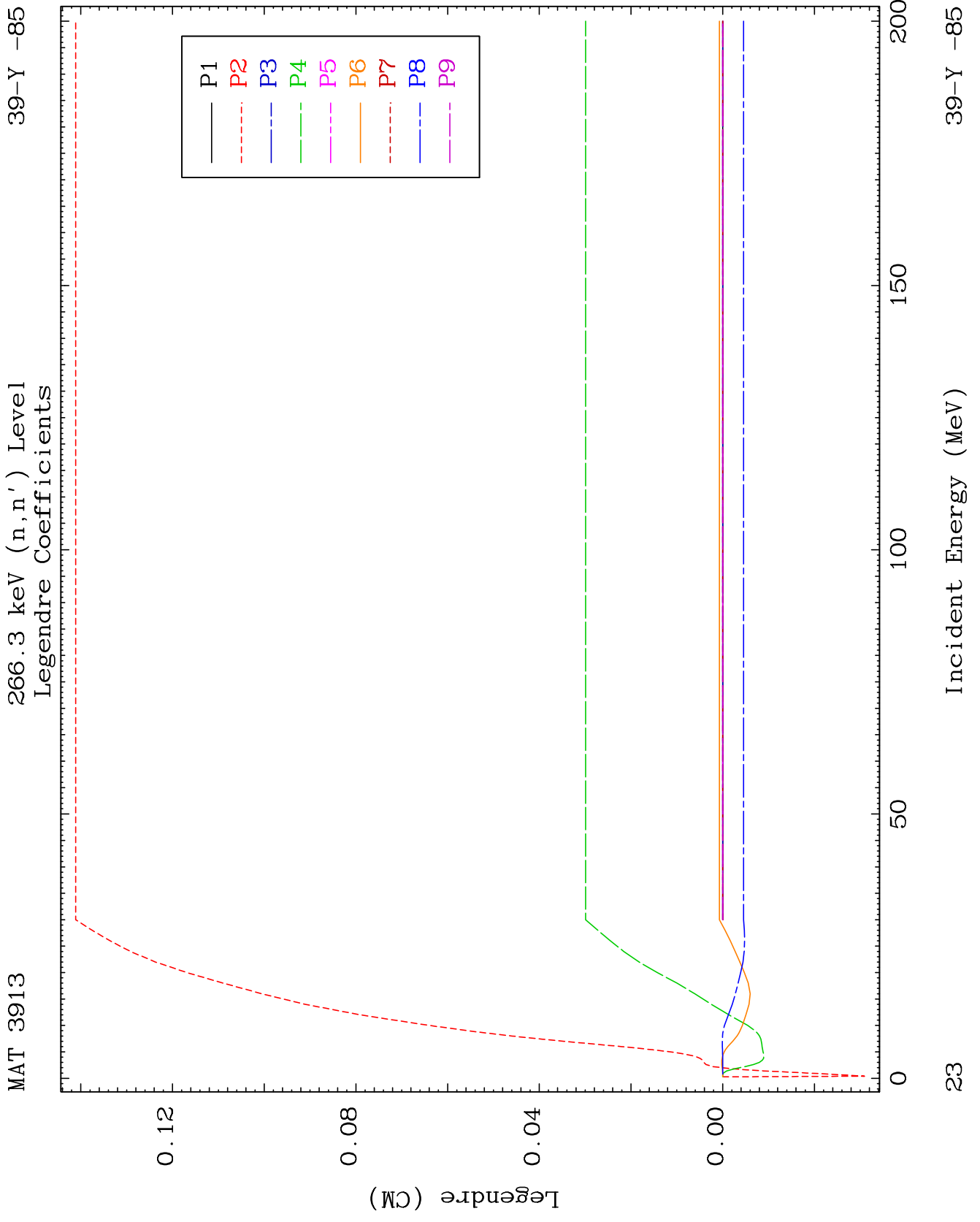


MAT 3913

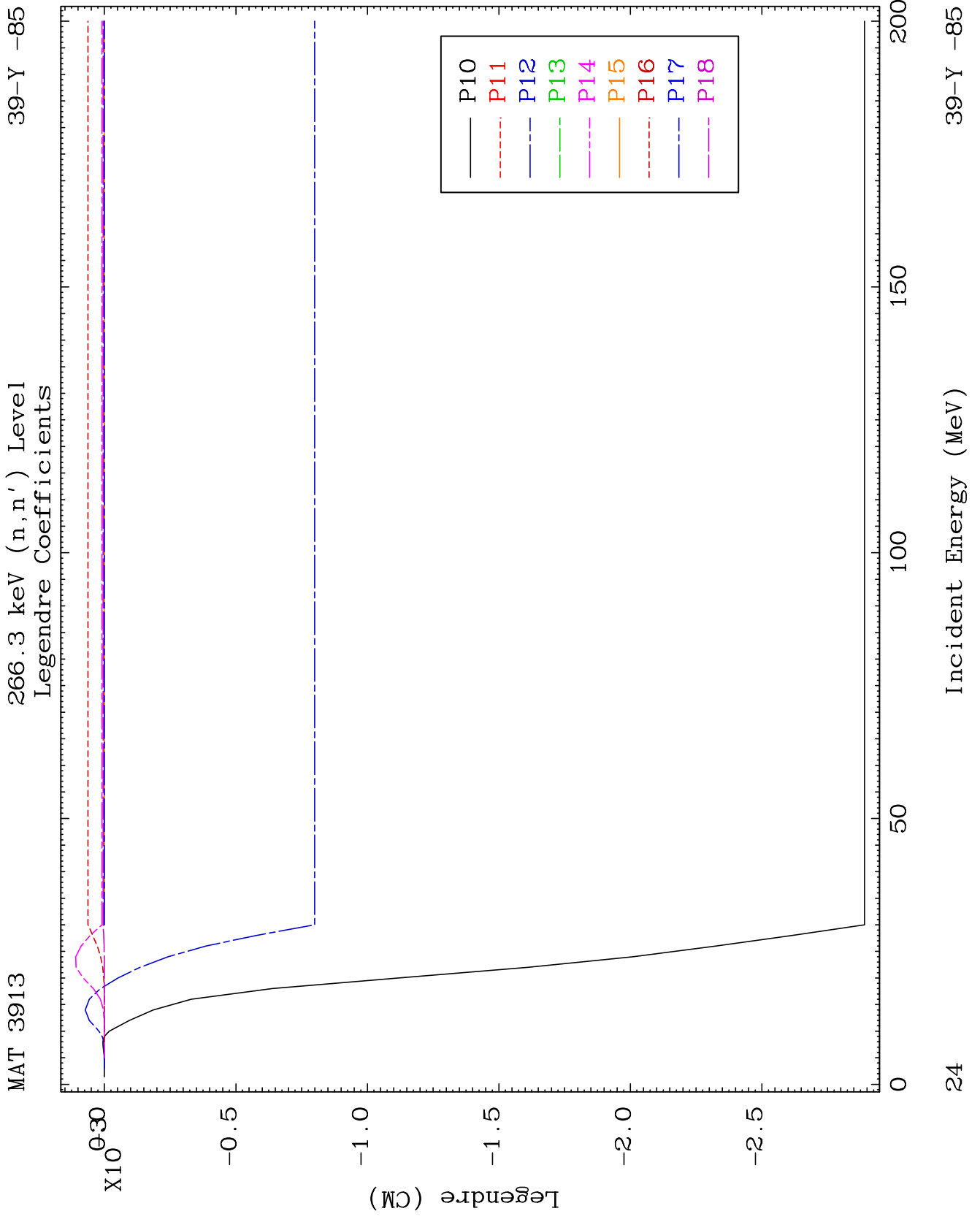
19.80 keV (n,n') Level  
Legendre Coefficients

39-Y -85

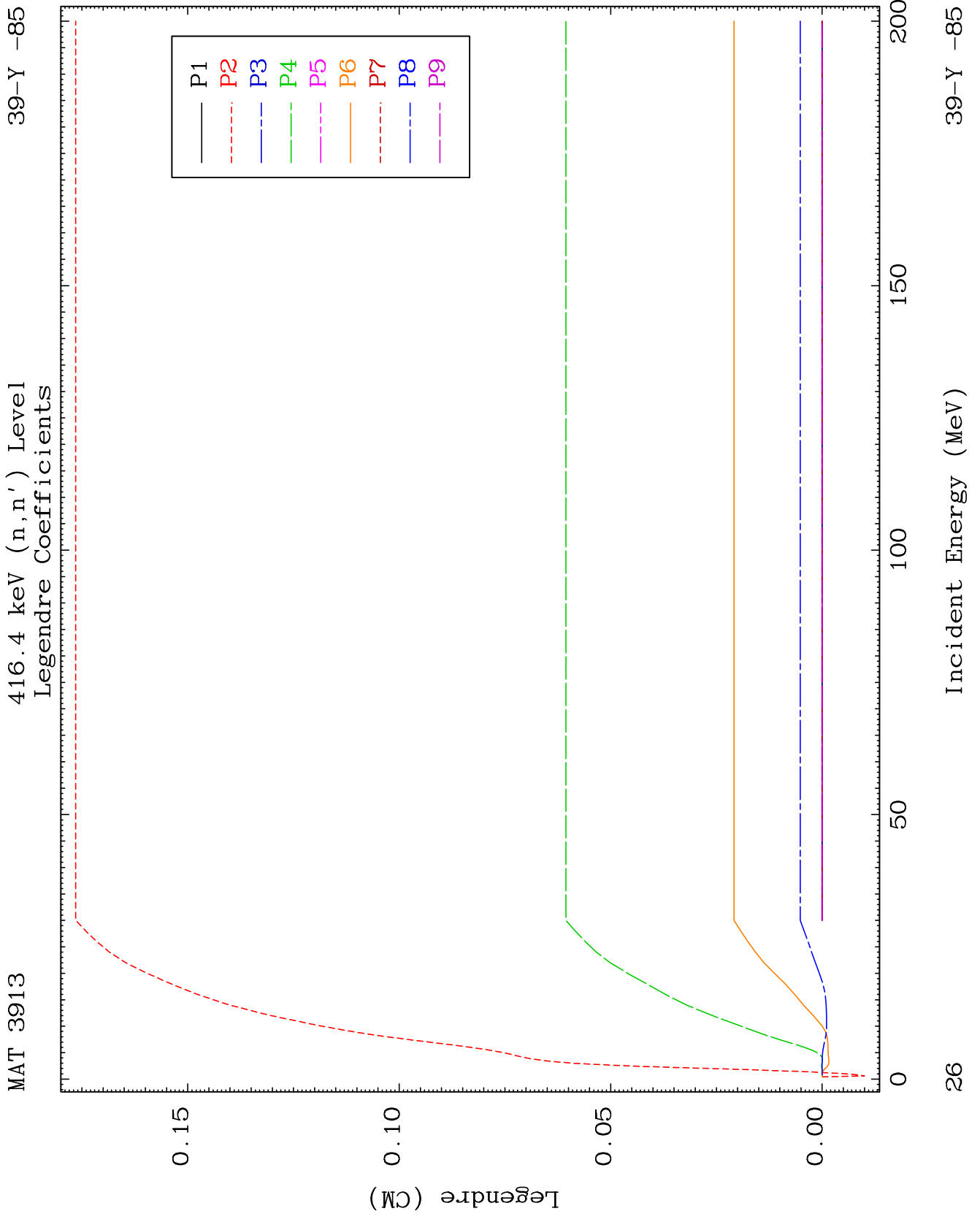


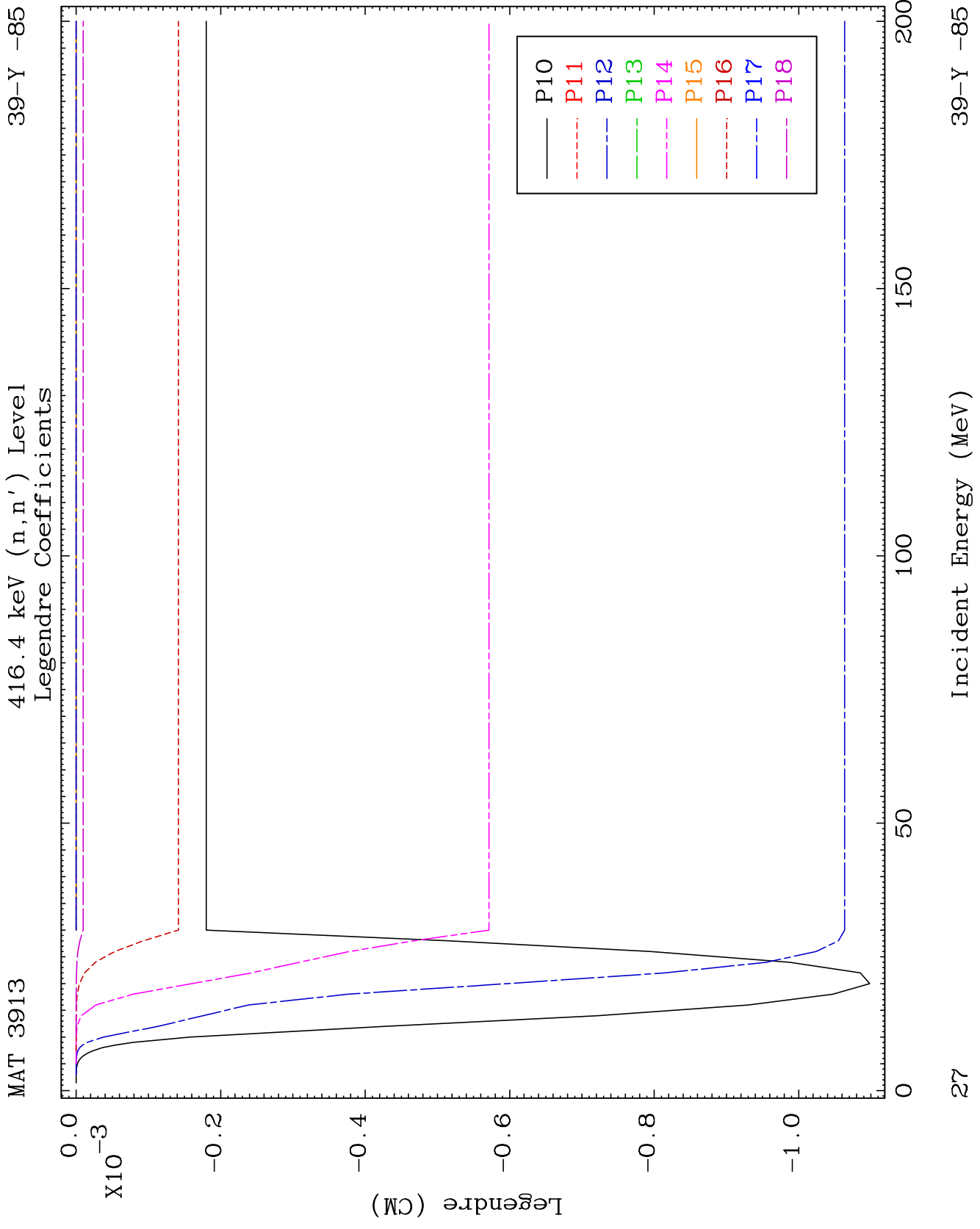


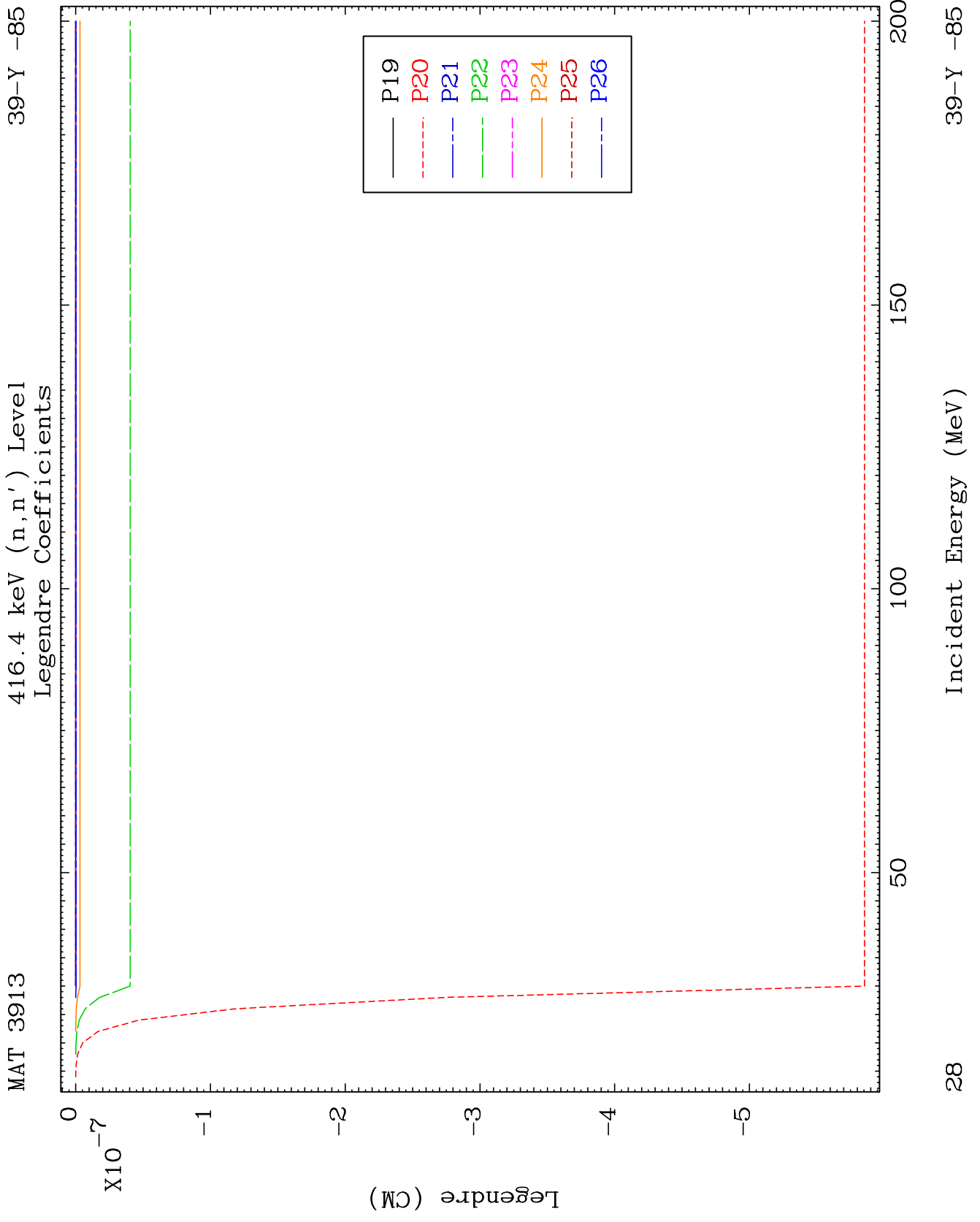








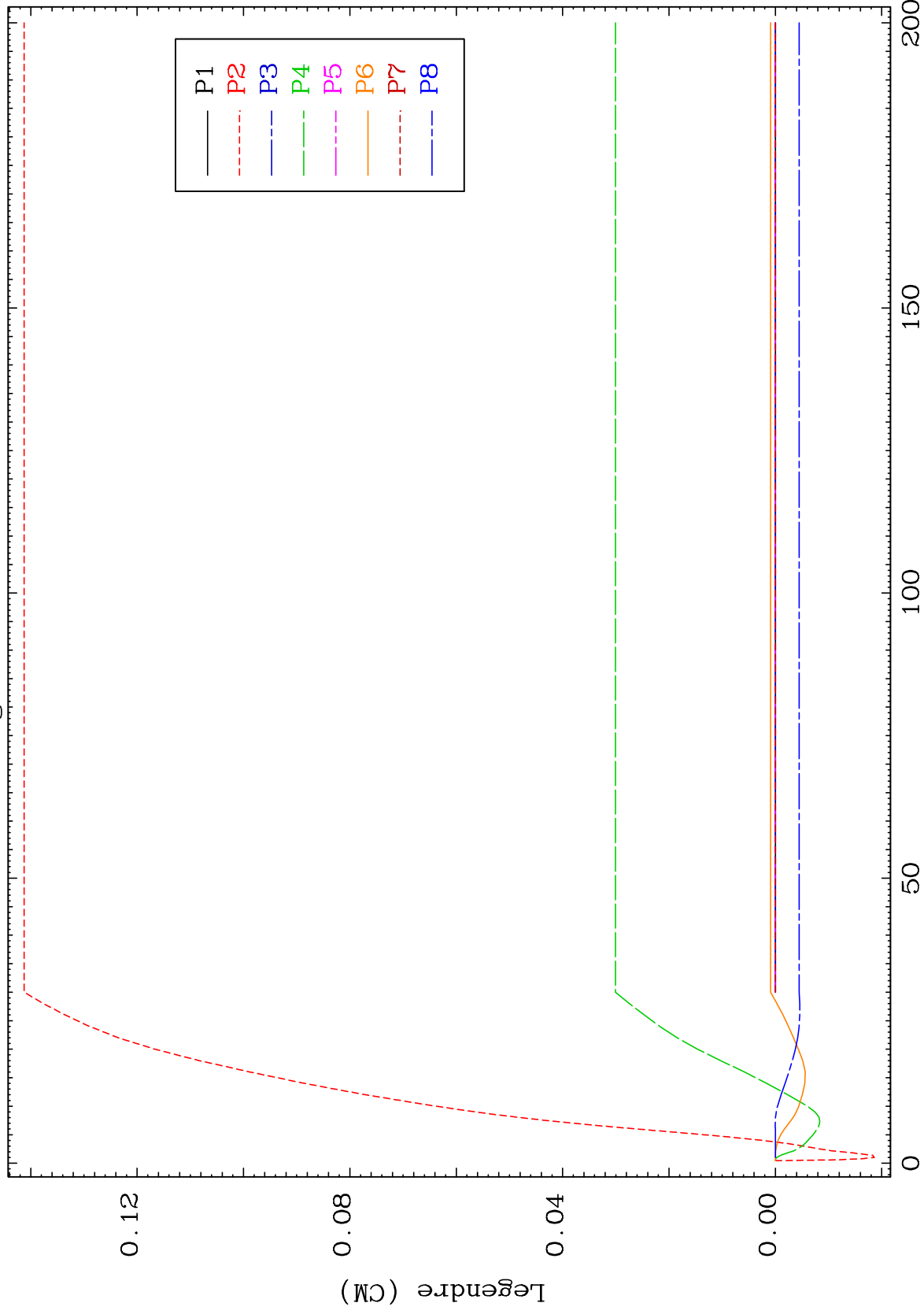




MAT 3913

436.1 keV (n,n') Level  
Legendre Coefficients

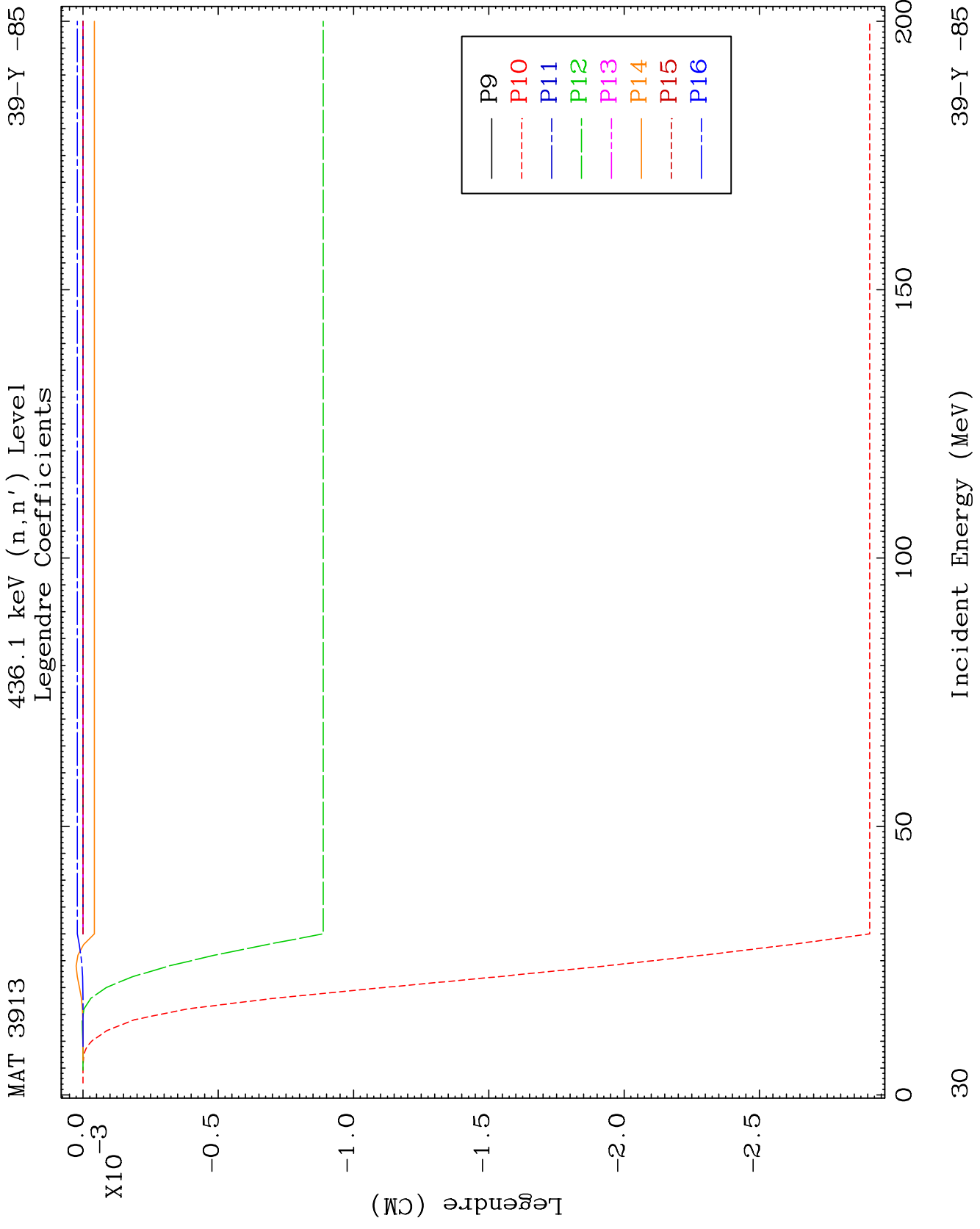
39-Y -85

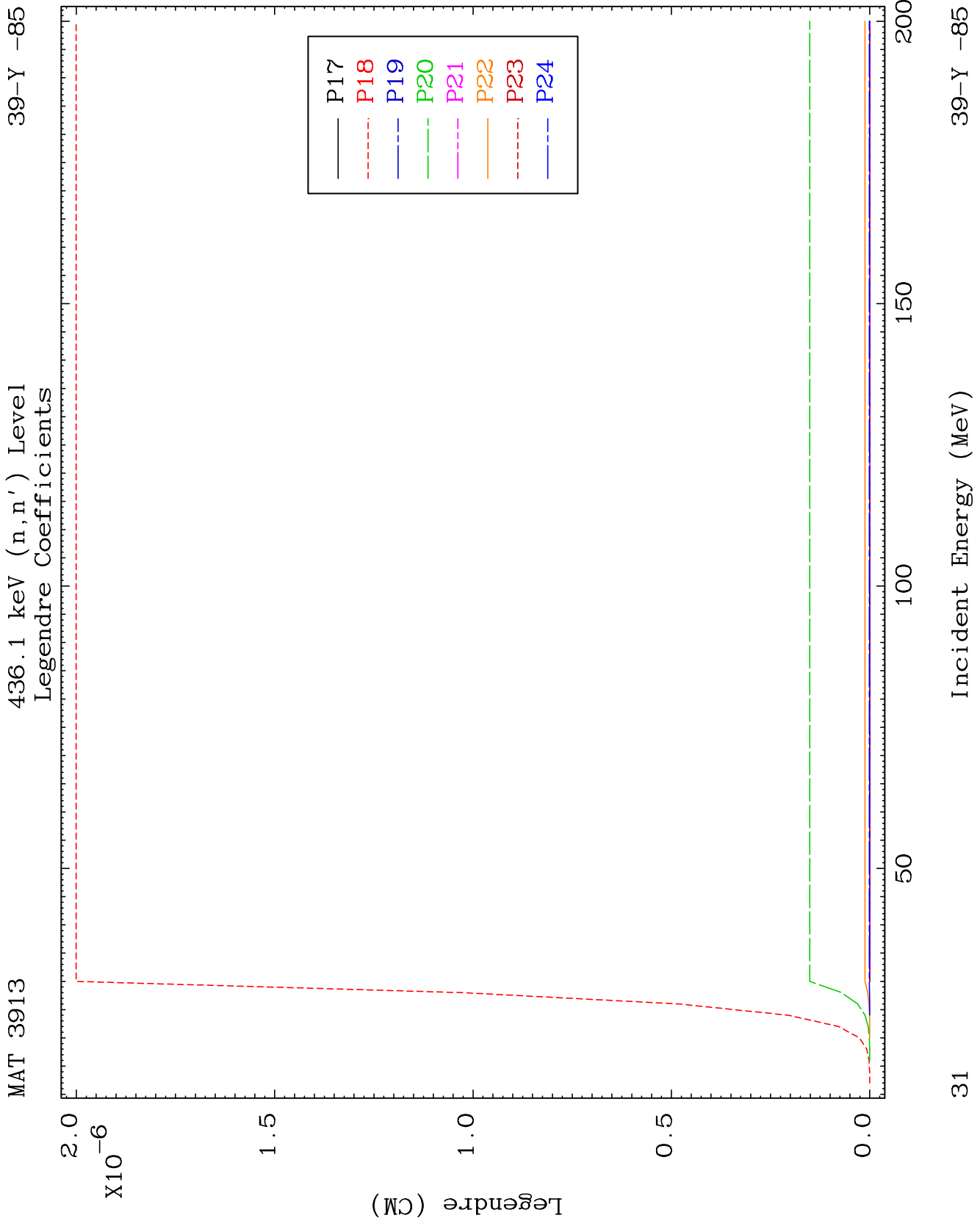


29

Incident Energy (MeV)

39-Y -85



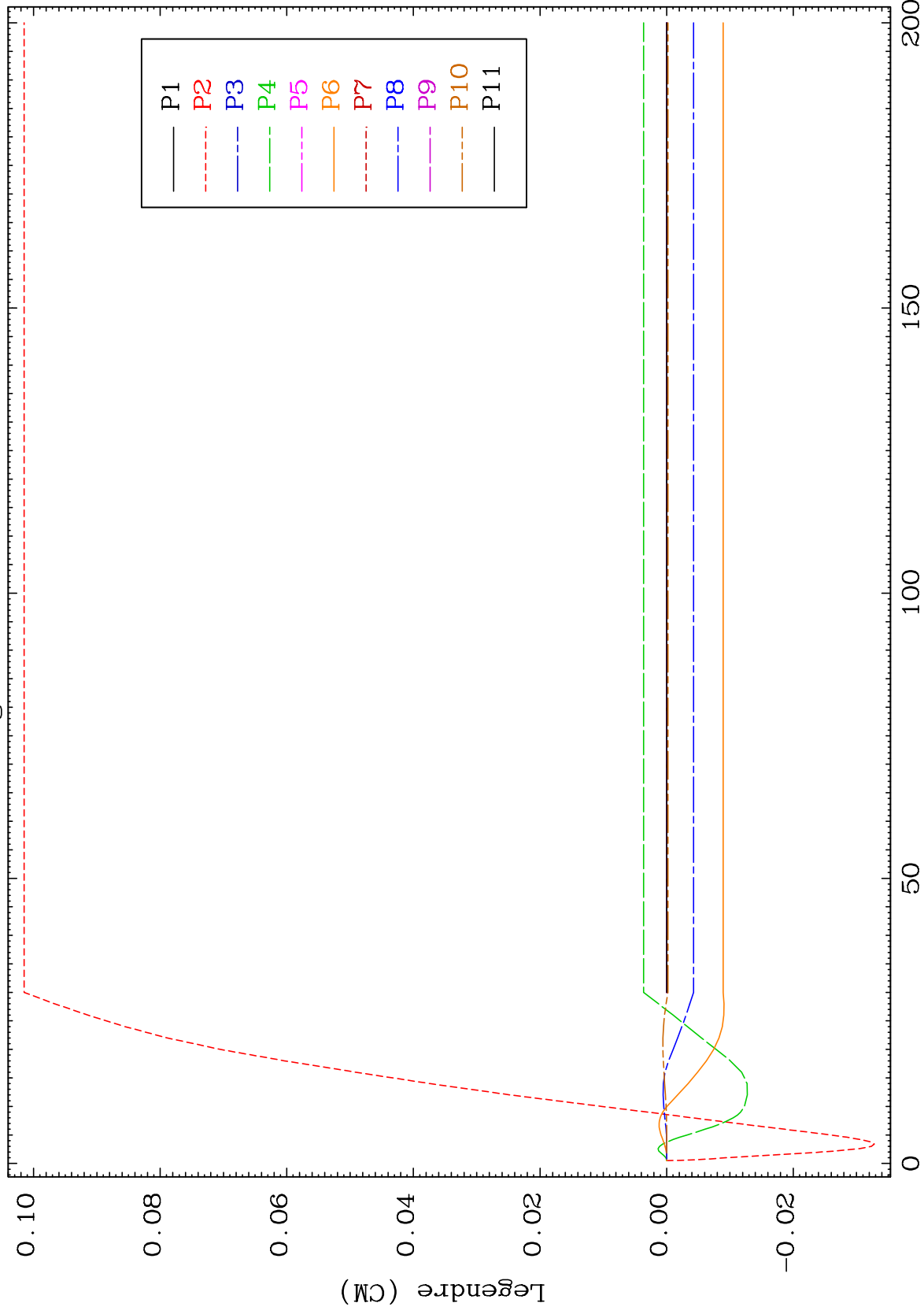




MAT 3913

474.0 keV (n,n') Level  
Legendre Coefficients

39-Y -85



39-Y -85

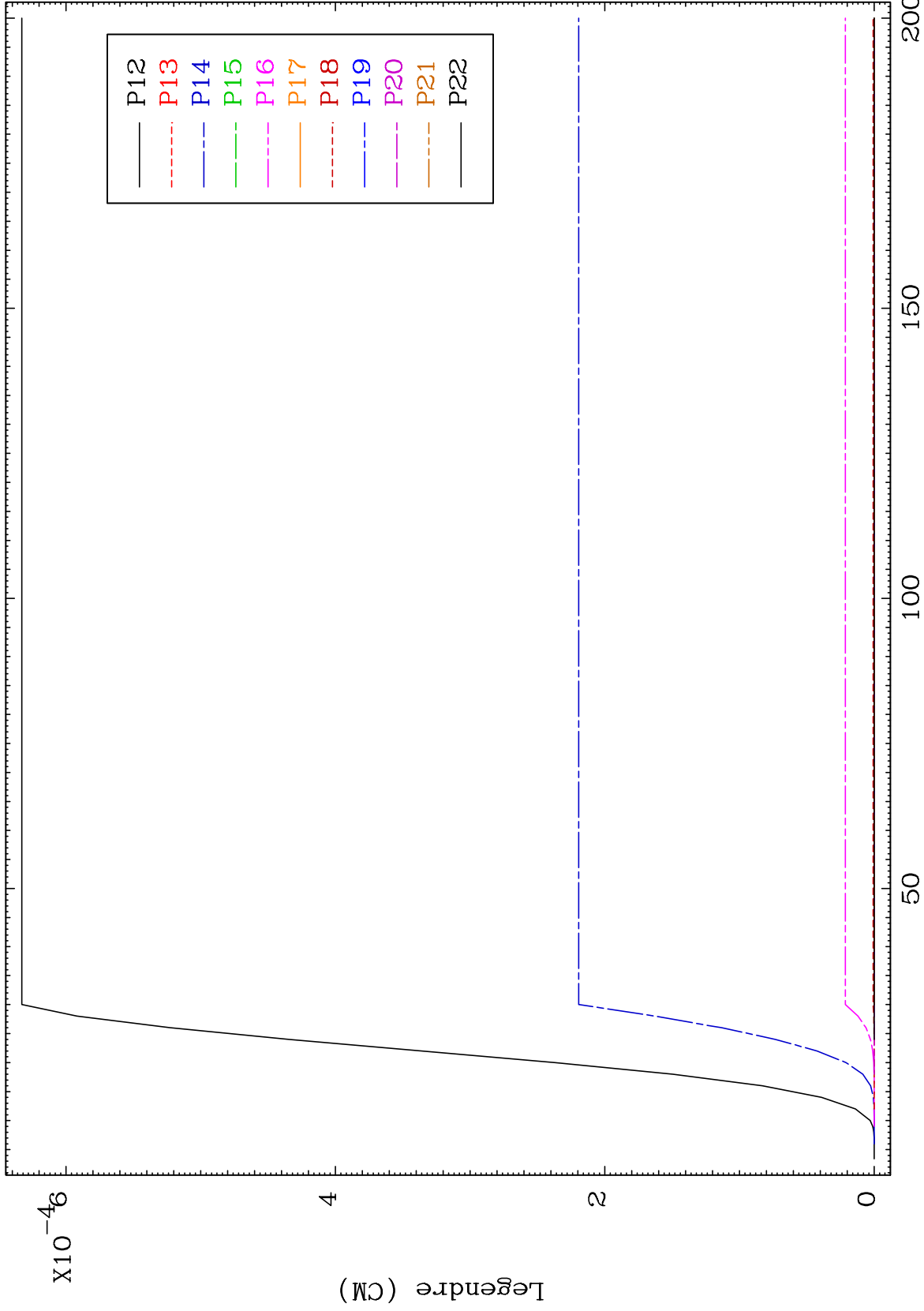
Incident Energy (MeV)

32

MAT 3913

474.0 keV (n,n') Level  
Legendre Coefficients

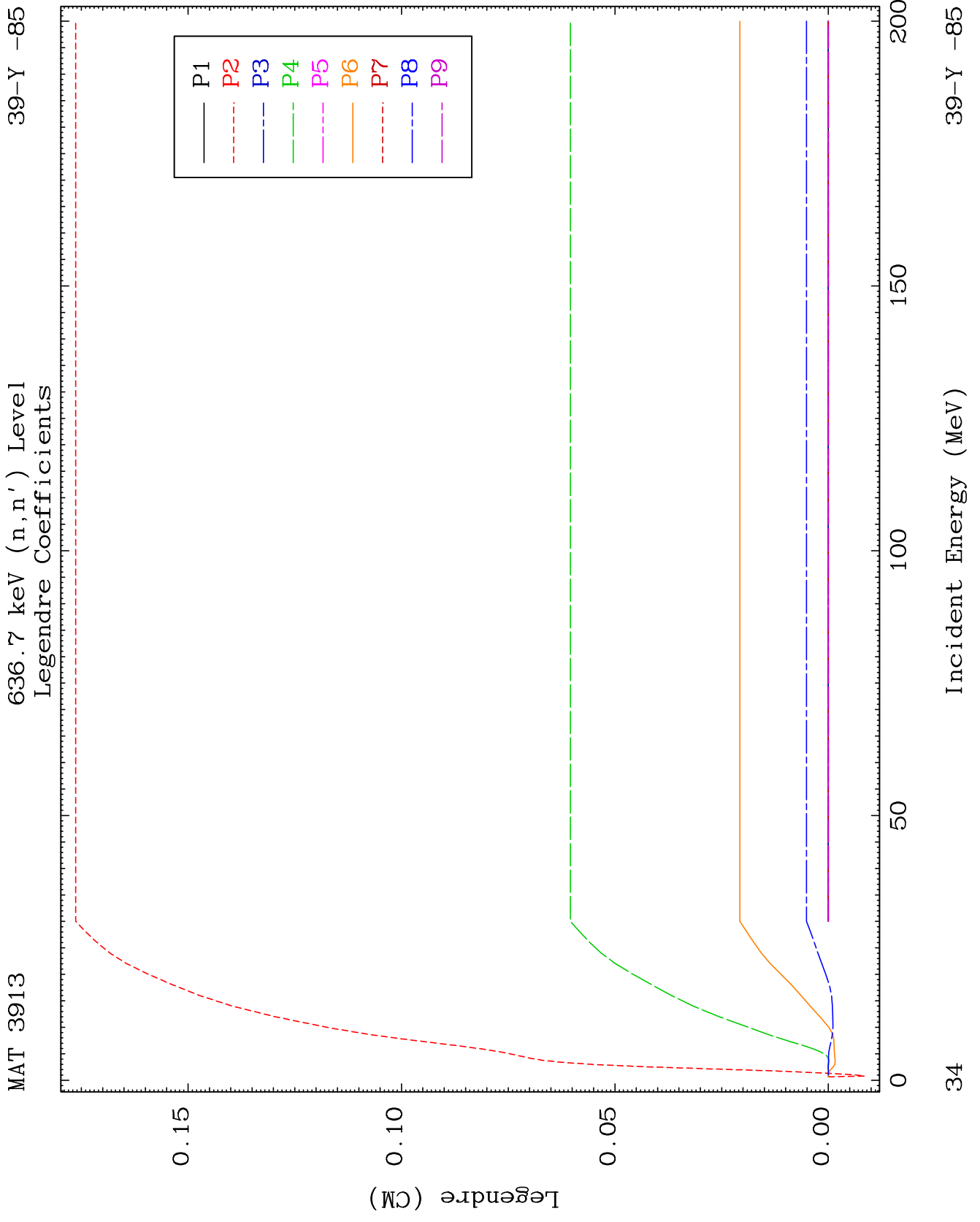
39-Y -85

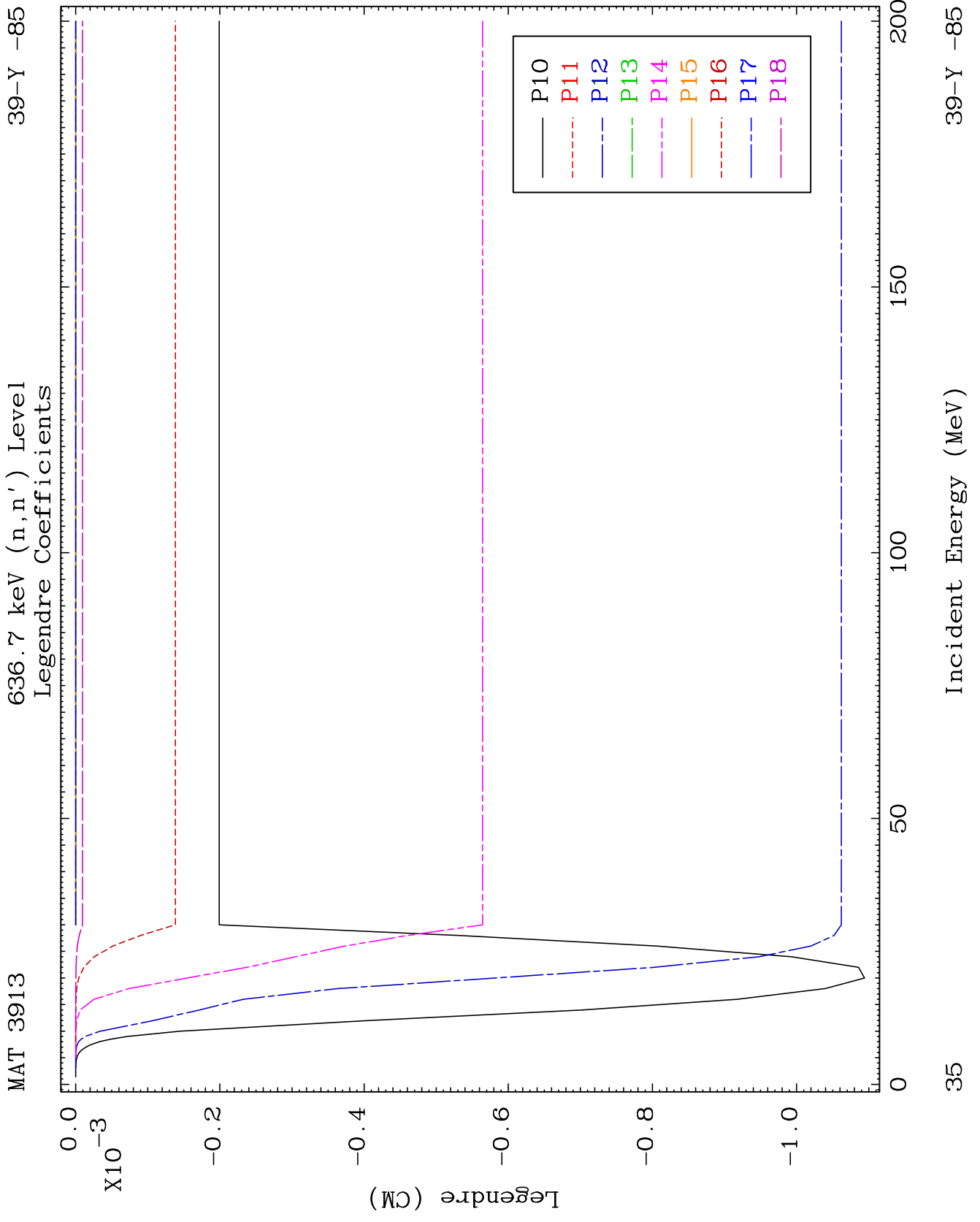


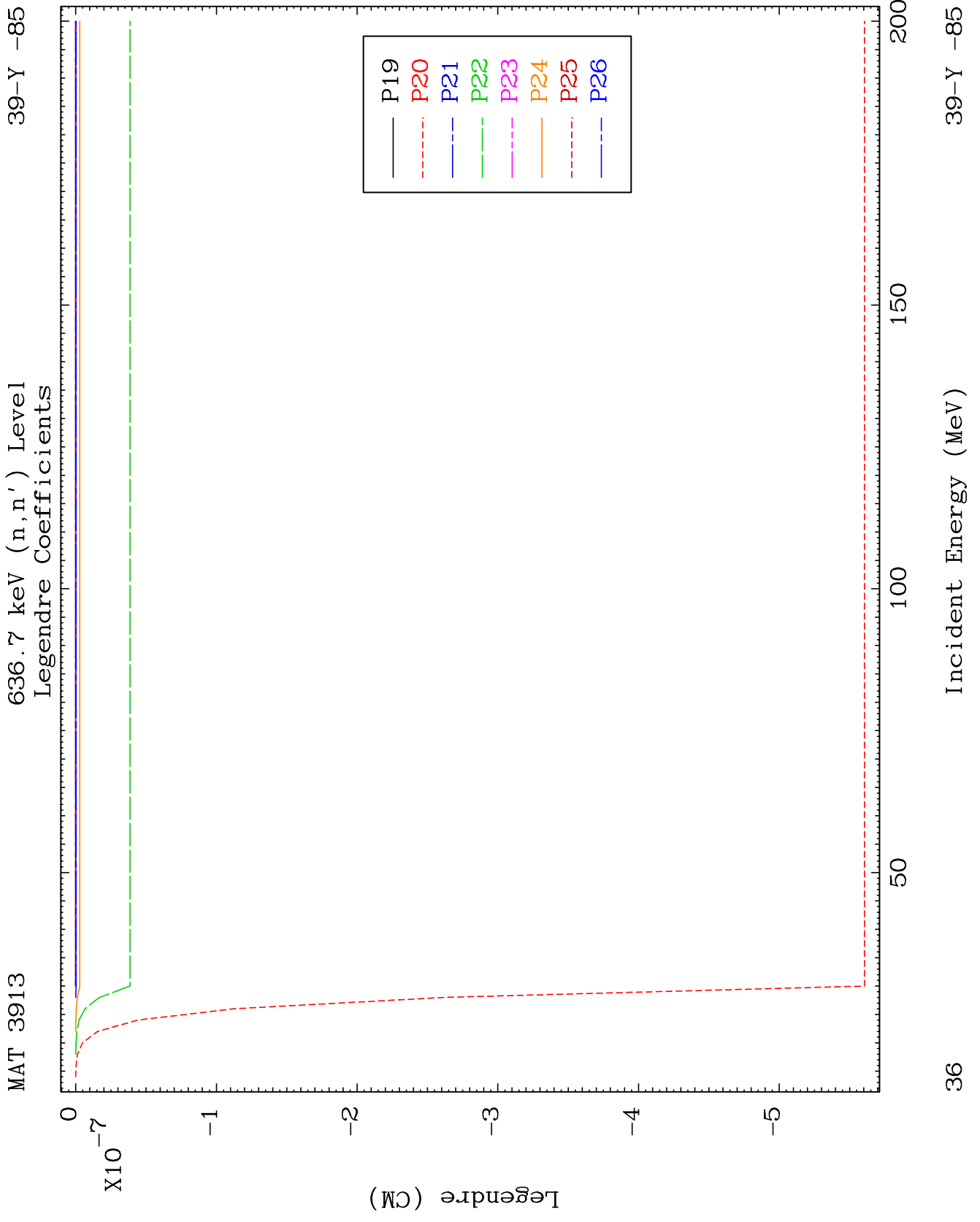
33

Incident Energy (MeV)

39-Y -85



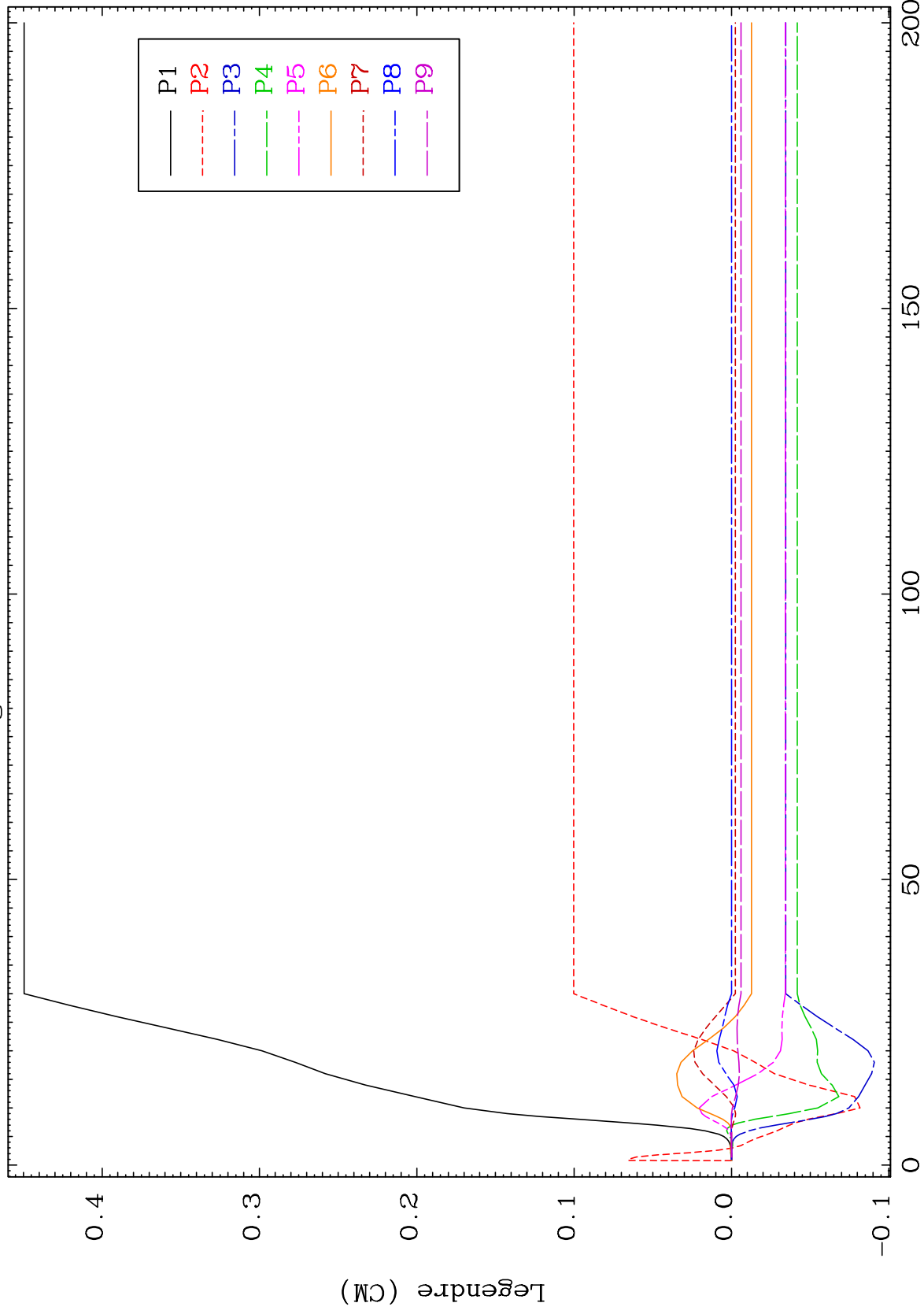




MAT 3913

752.0 keV (n,n') Level  
Legendre Coefficients

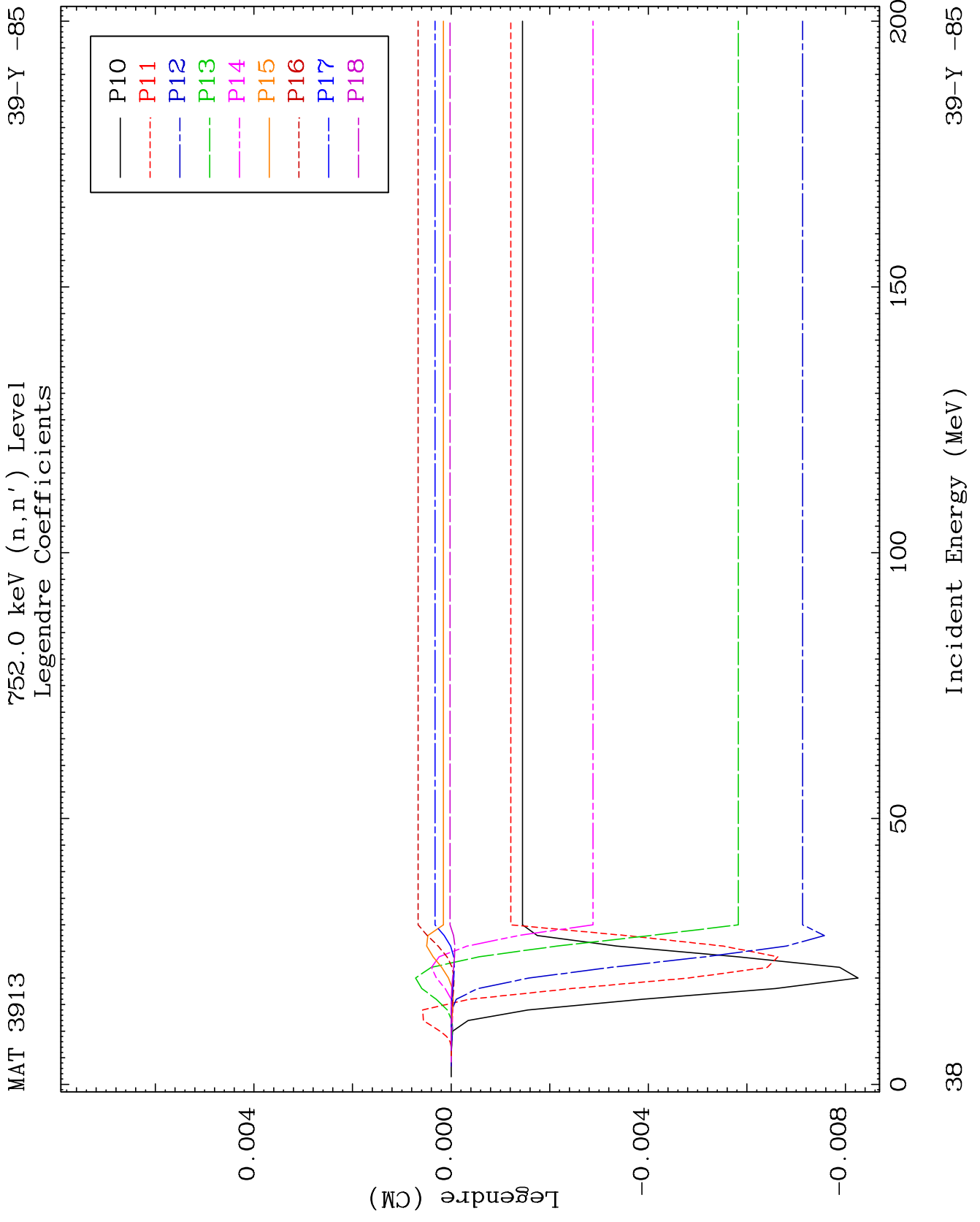
39-Y -85



37

Incident Energy (MeV)

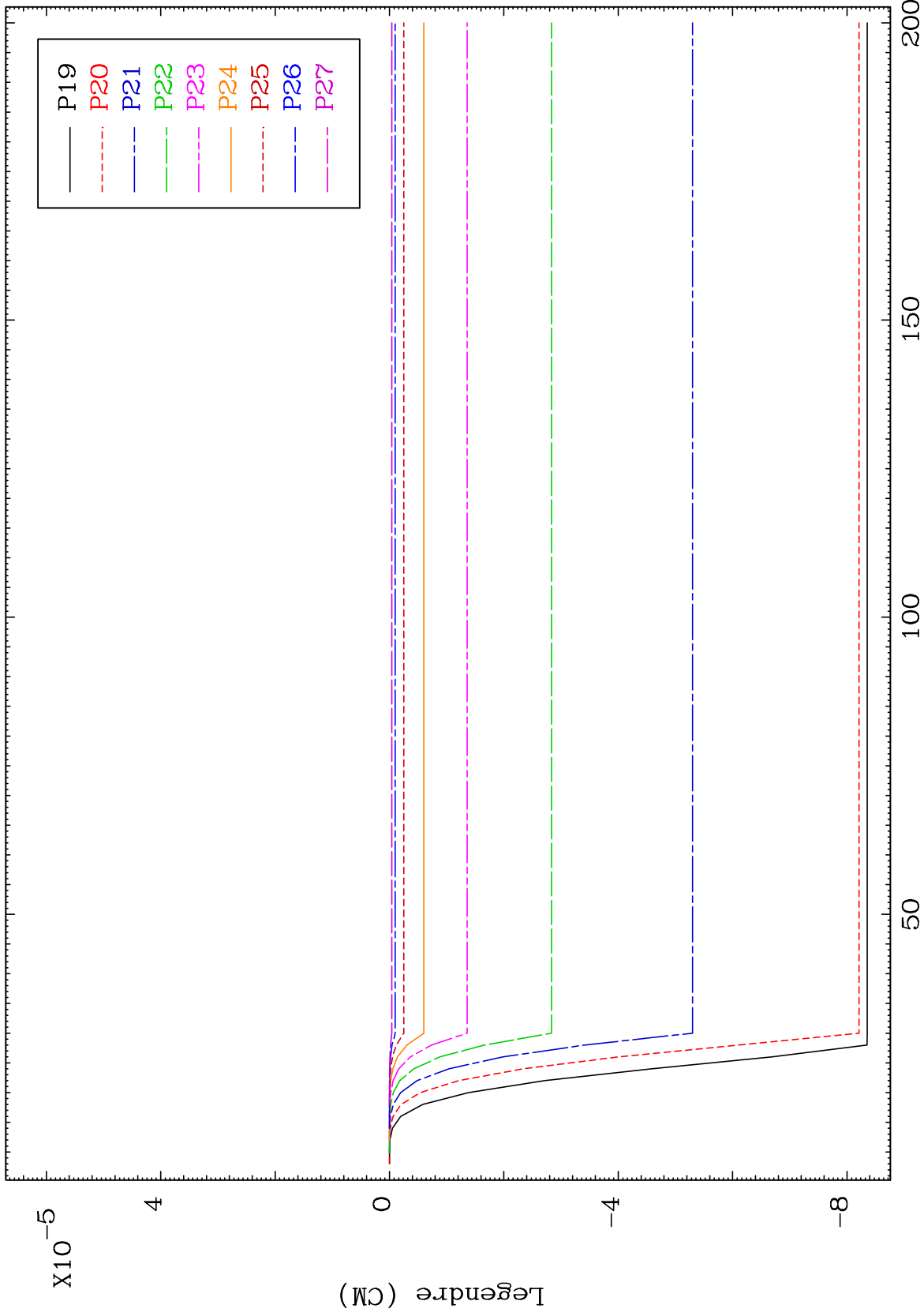
39-Y -85



MAT 3913

752.0 keV (n,n') Level  
Legendre Coefficients

39-Y -85

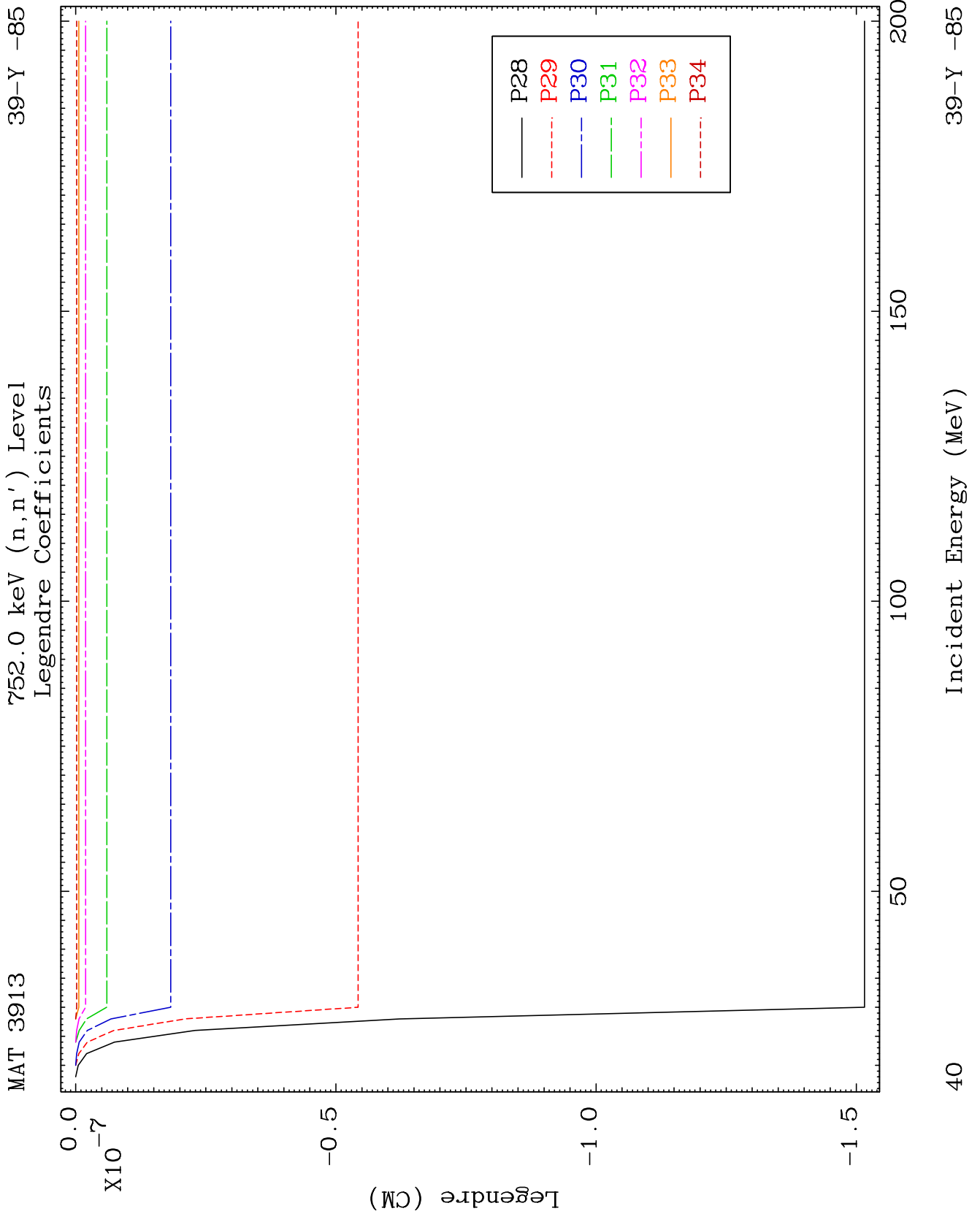


39

Incident Energy (MeV)

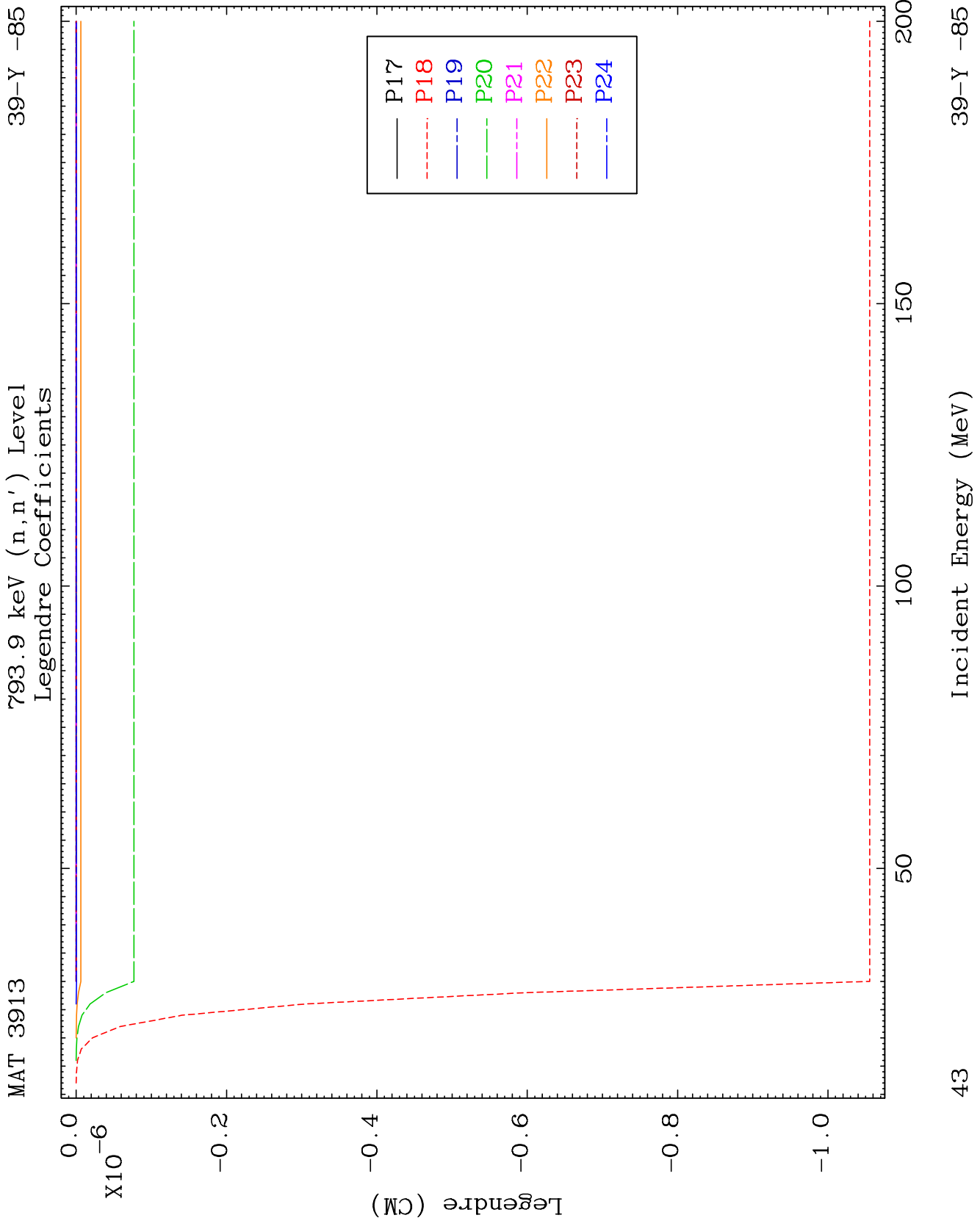
39-Y -85







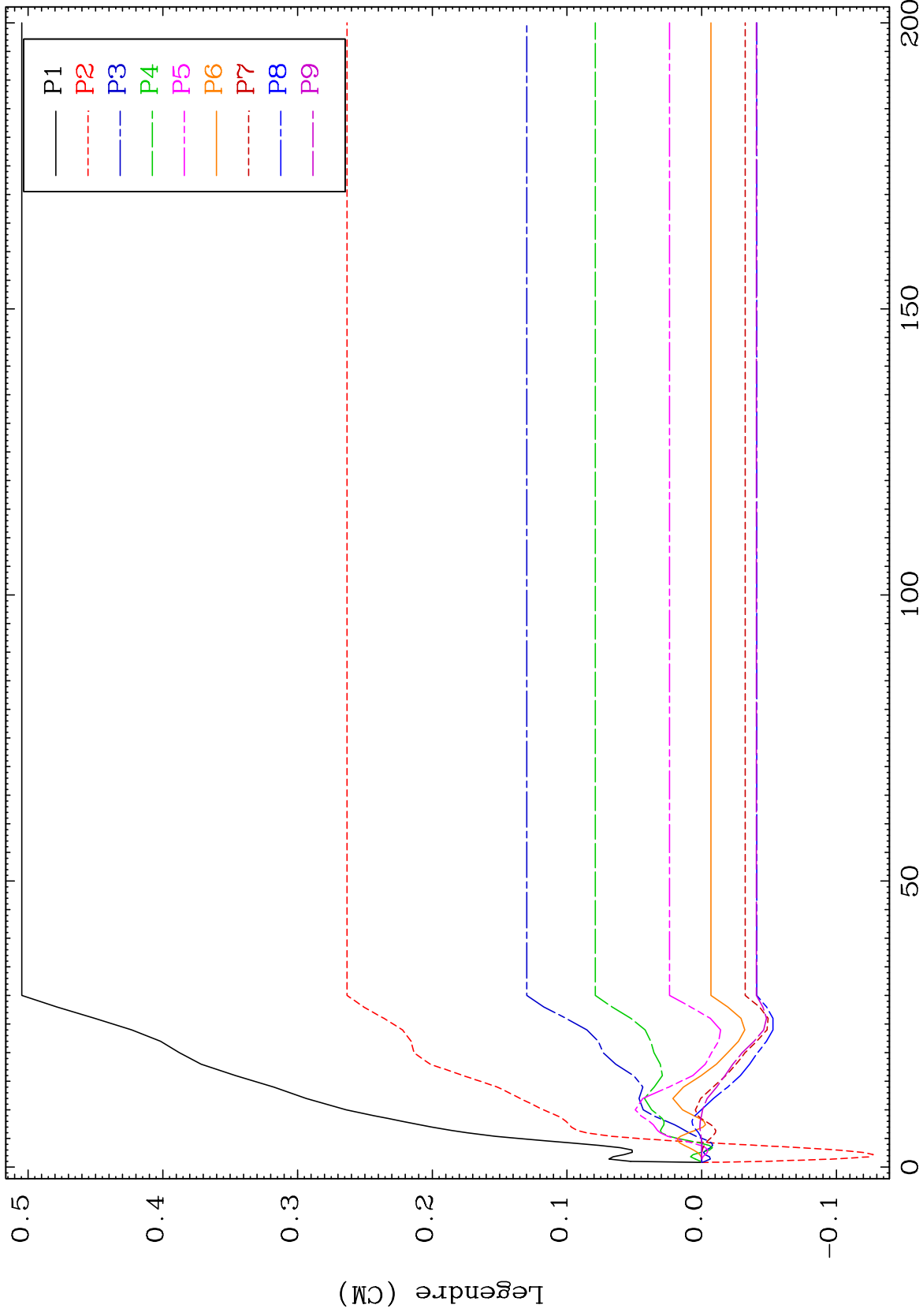




MAT 3913

803.0 keV (n,n') Level  
Legendre Coefficients

39-Y -85



44

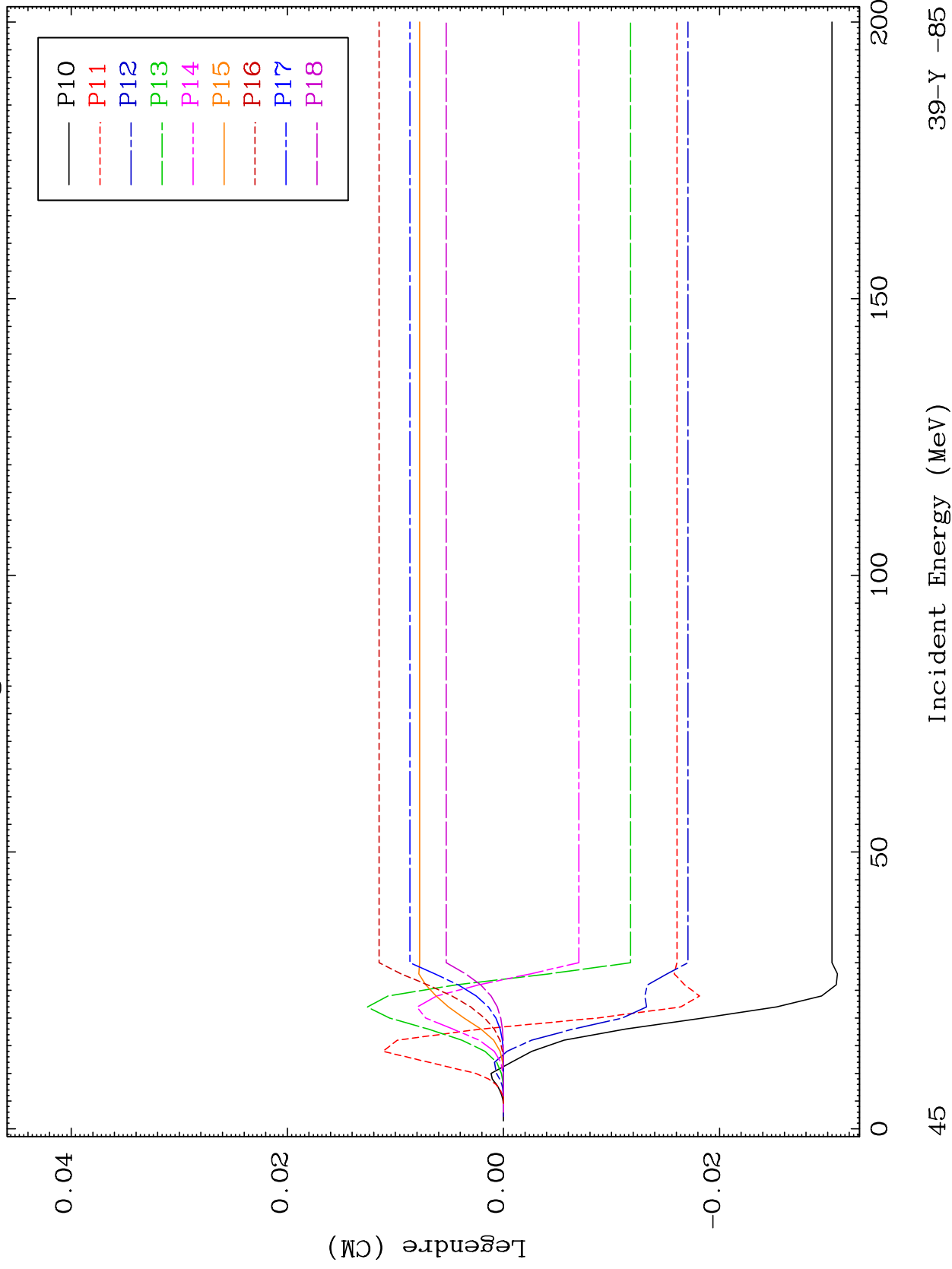
Incident Energy (MeV)

39-Y -85

MAT 3913

803.0 keV (n,n') Level  
Legendre Coefficients

39-Y -85



39-Y -85

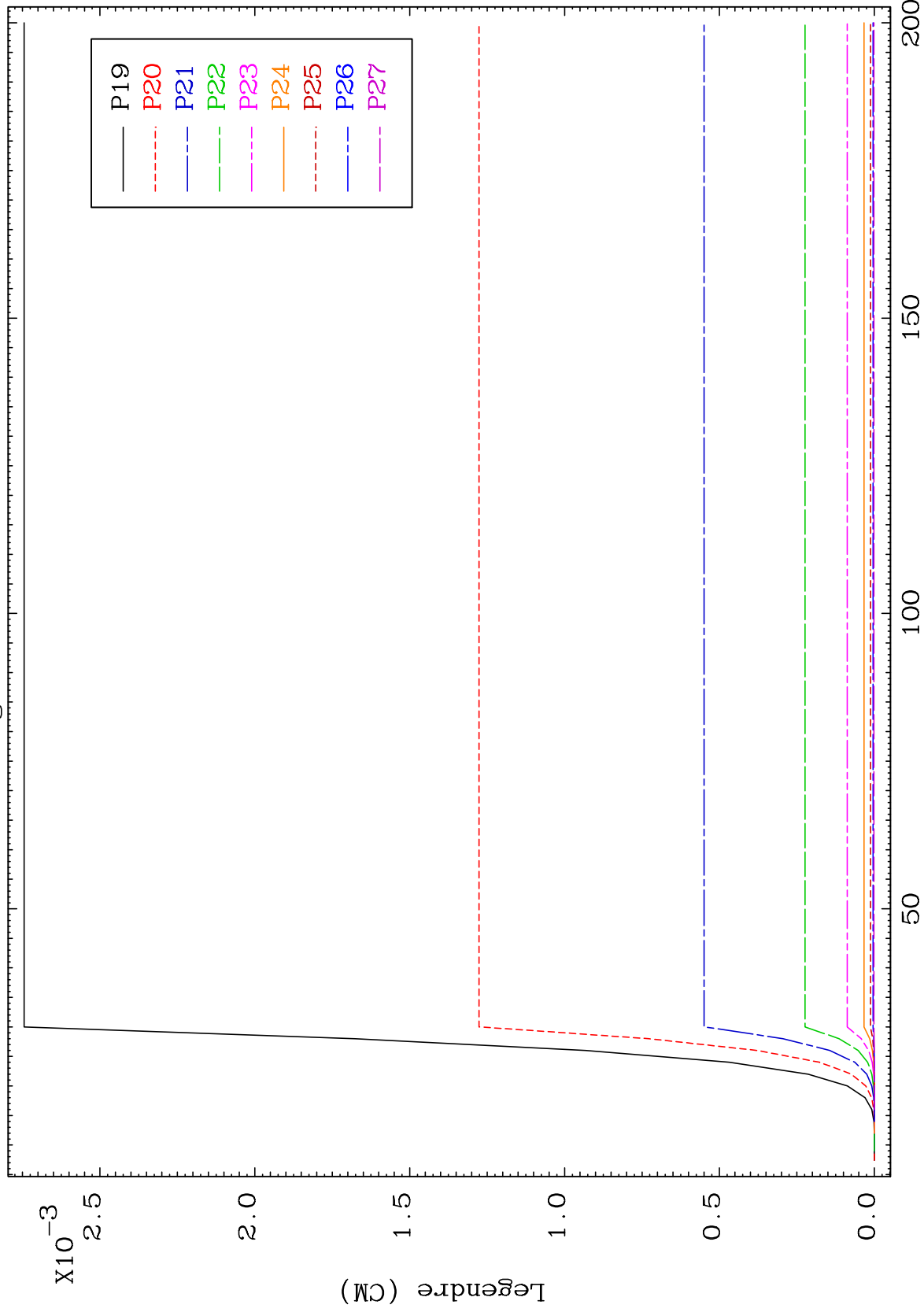
Incident Energy (MeV)

45

MAT 3913

803.0 keV (n,n') Level  
Legendre Coefficients

39-Y -85



46

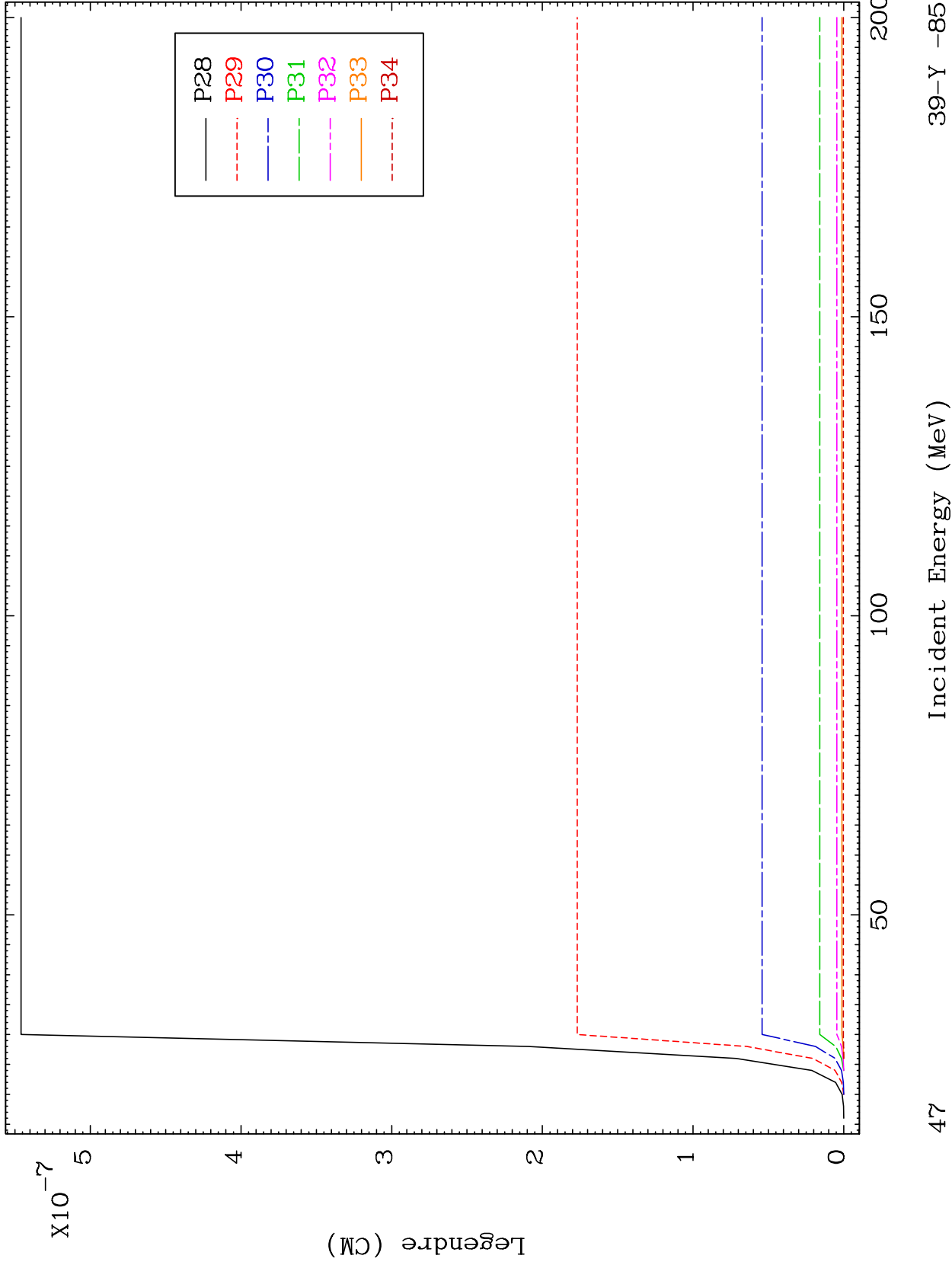
Incident Energy (MeV)

39-Y -85

MAT 3913

803.0 keV (n,n') Level  
Legendre Coefficients

39-Y -85

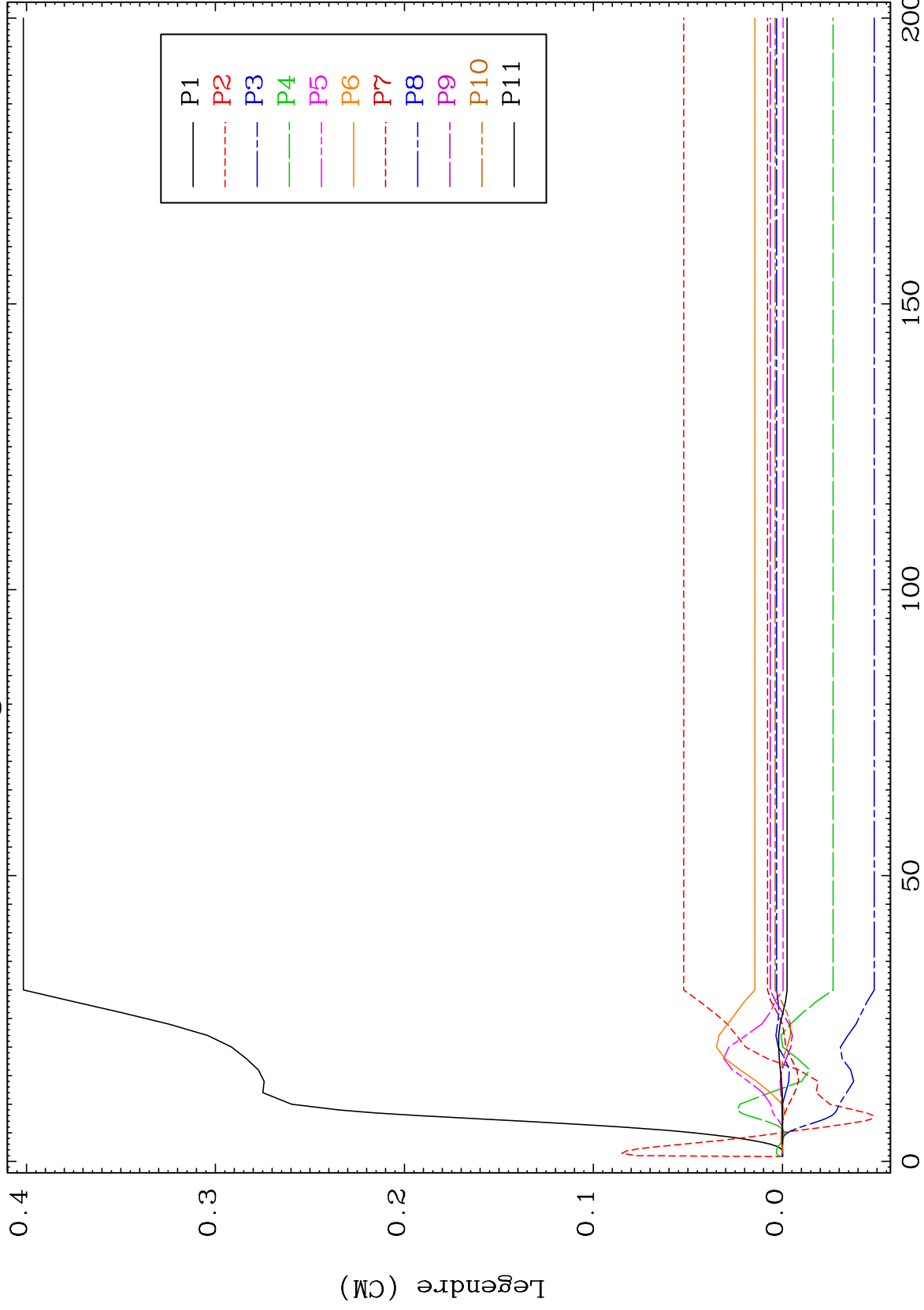




MAT 3913

814.8 keV (n,n') Level  
Legendre Coefficients

39-Y -85



48

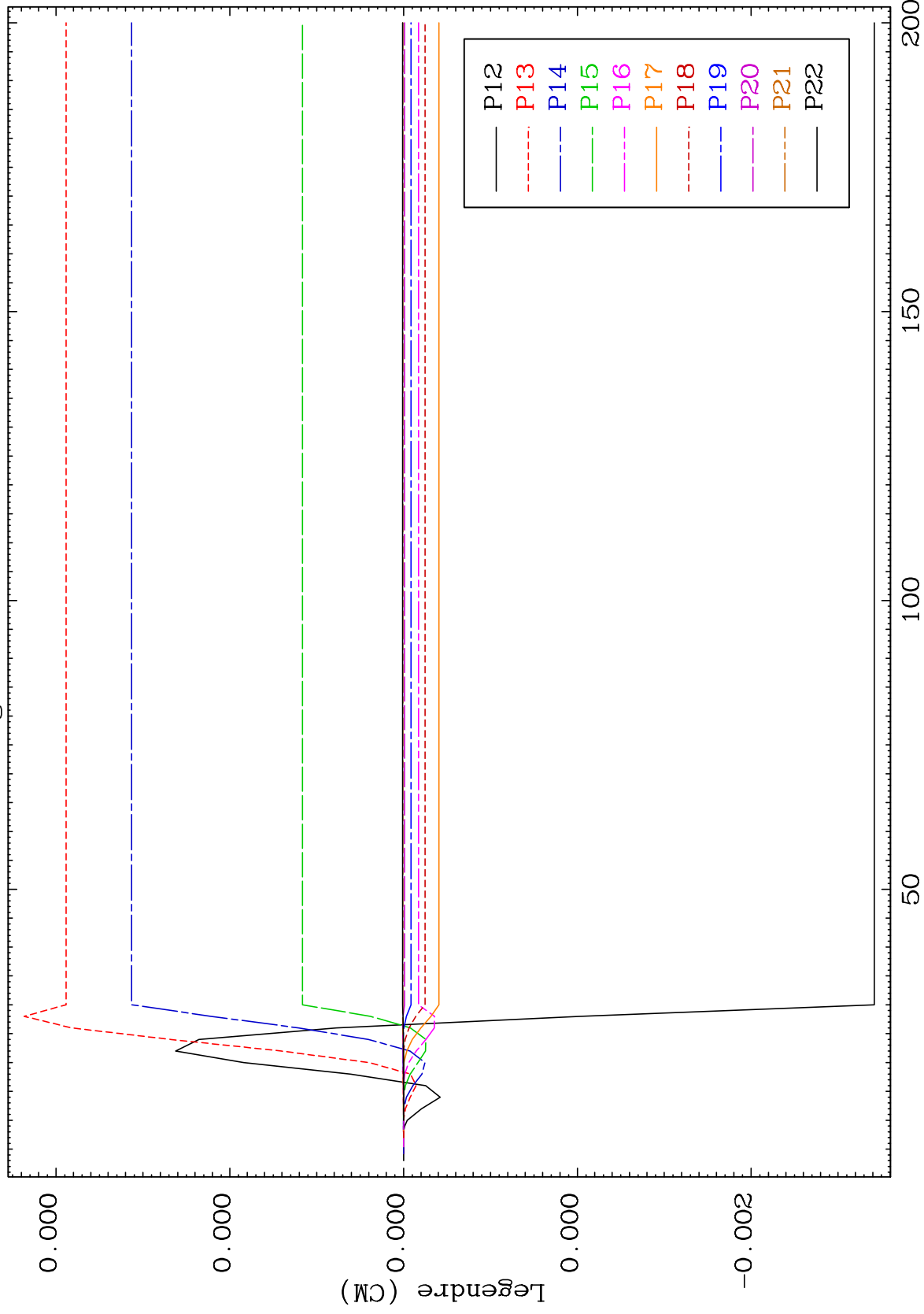
Incident Energy (MeV)

39-Y -85

MAT 3913

814.8 keV (n,n') Level  
Legendre Coefficients

39-Y -85



49

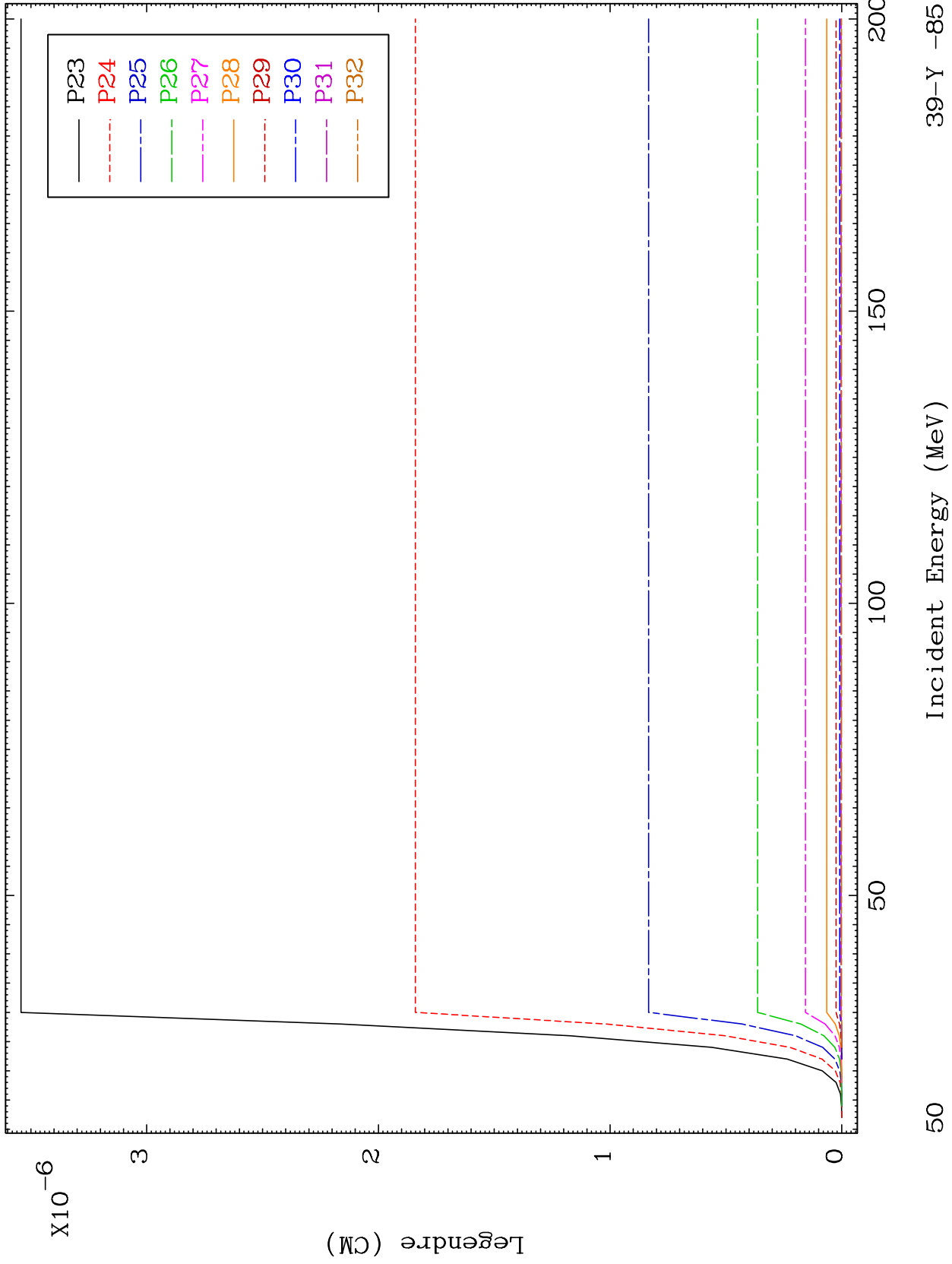
Incident Energy (MeV)

39-Y -85

MAT 3913

814.8 keV (n,n') Level  
Legendre Coefficients

39-Y -85



50

Incident Energy (MeV)

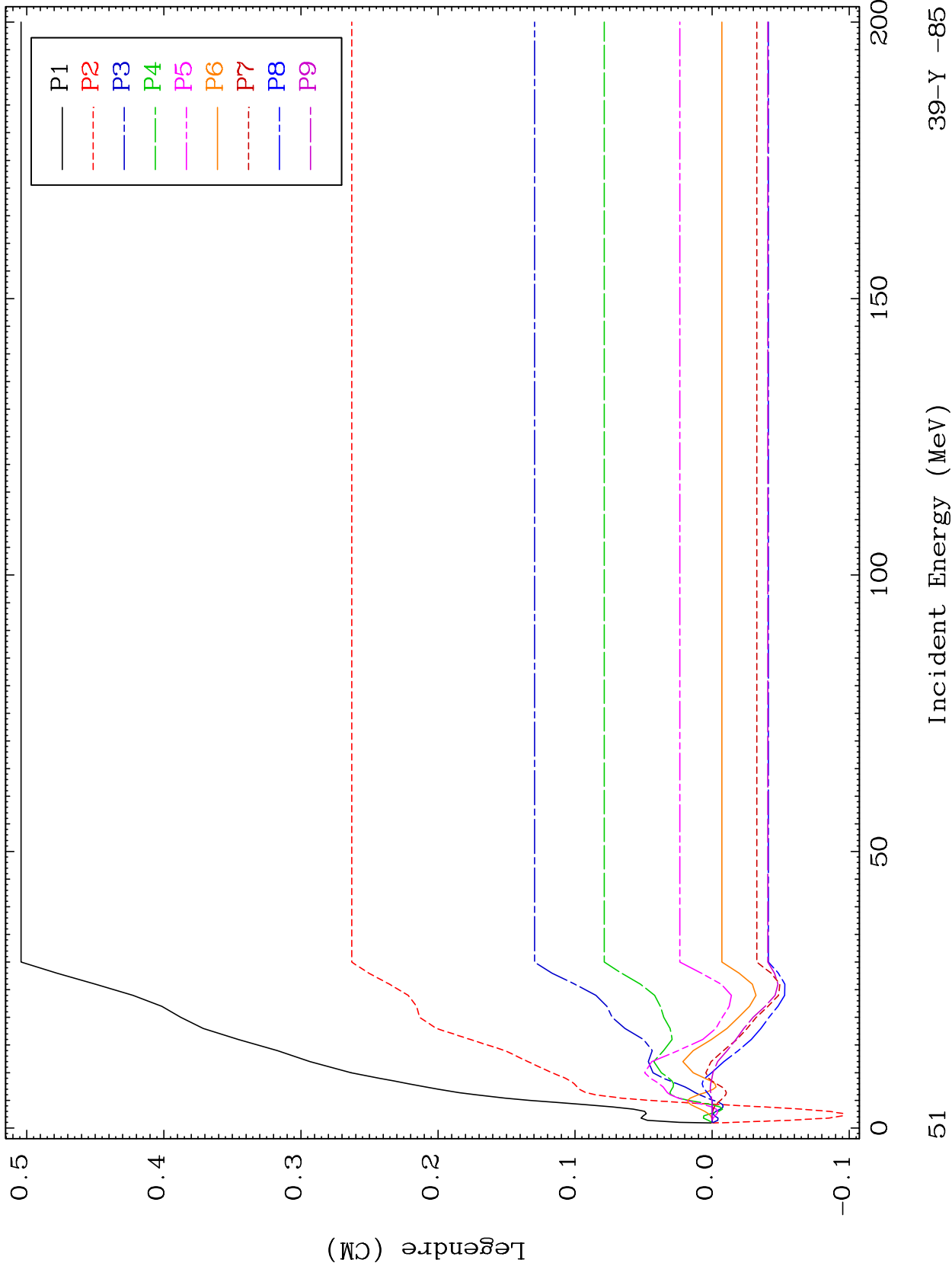
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100

150

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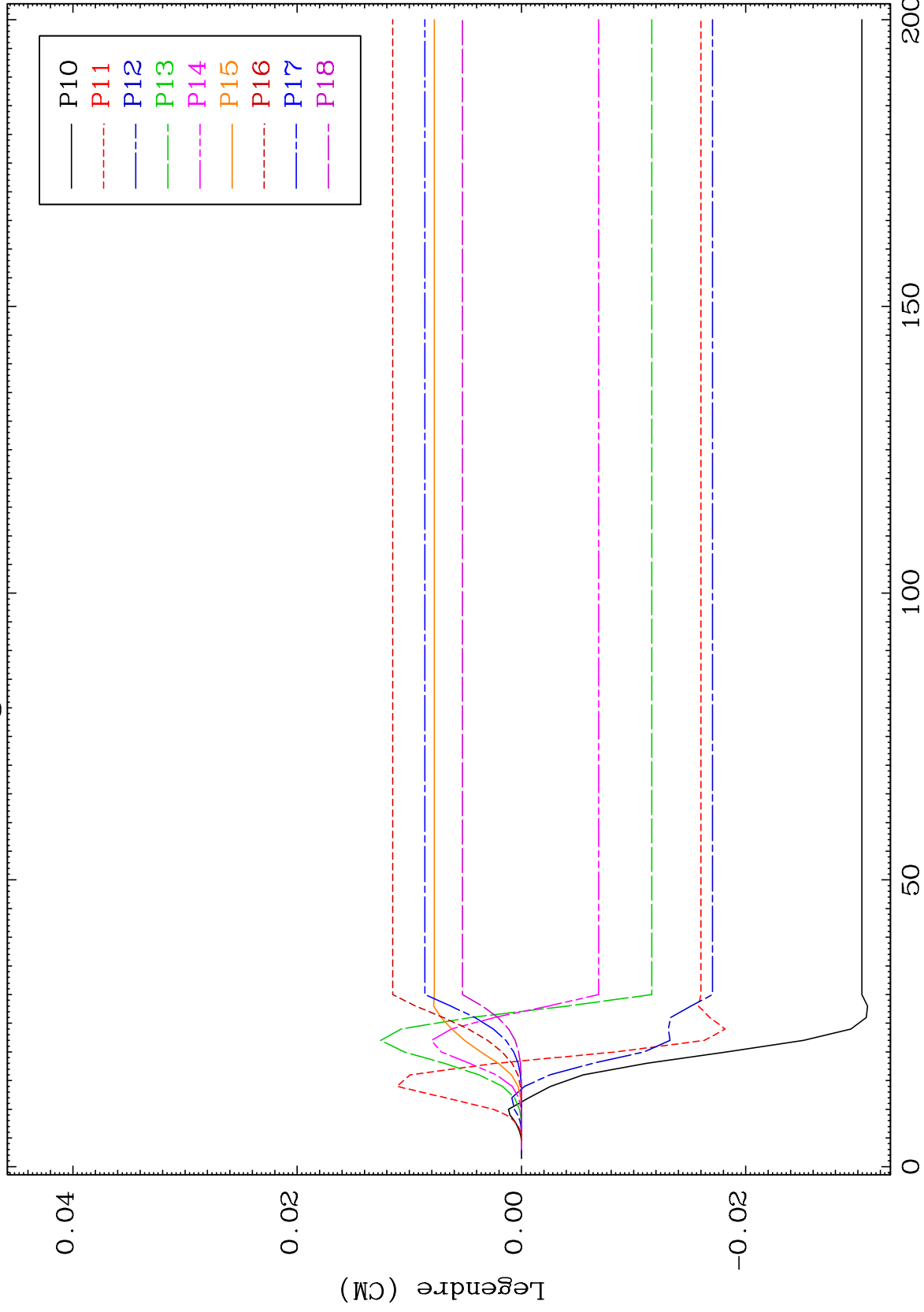
39-Y -85



MAT 3913

884.0 keV (n,n') Level  
Legendre Coefficients

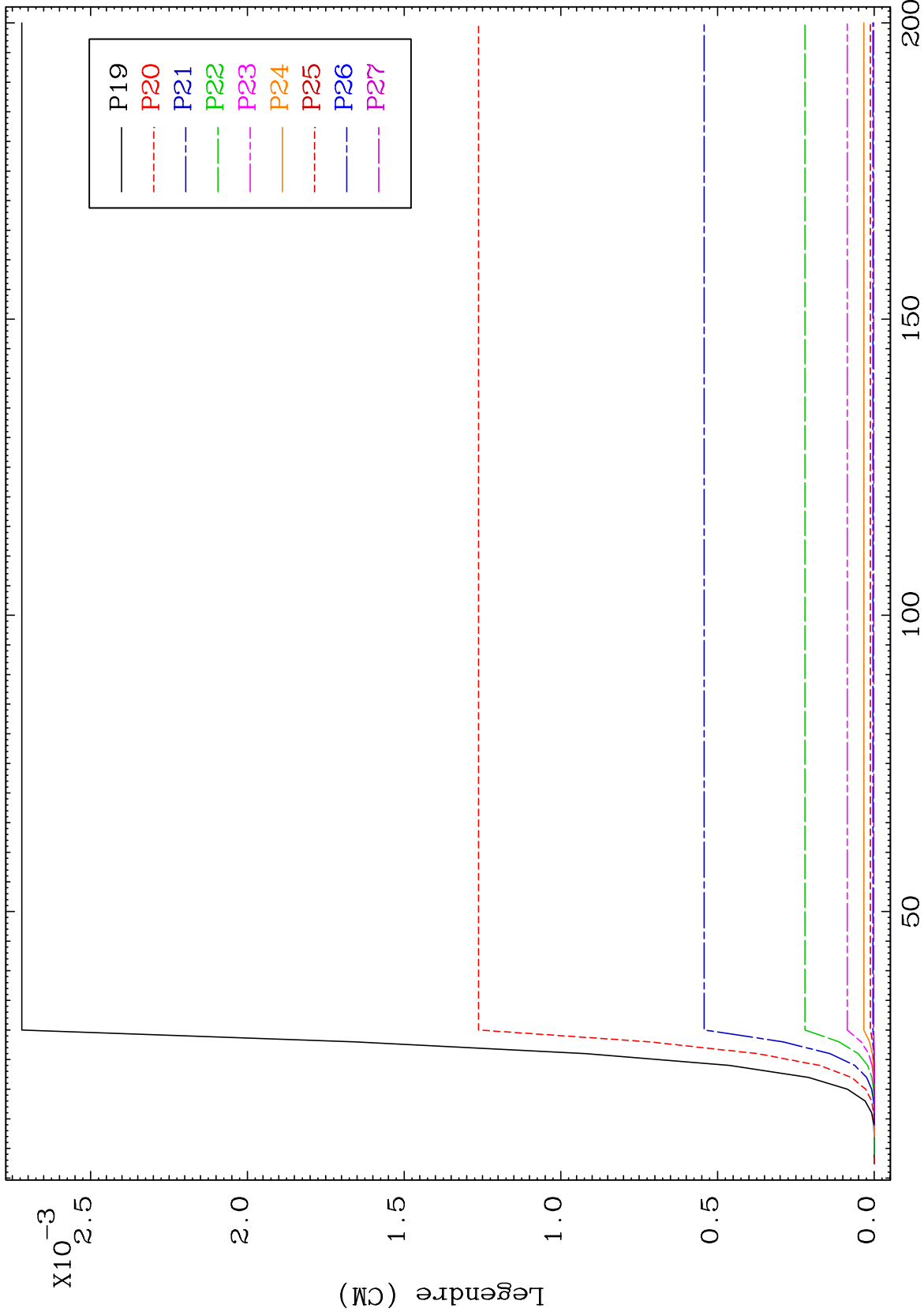
39-Y -85



52

Incident Energy (MeV)

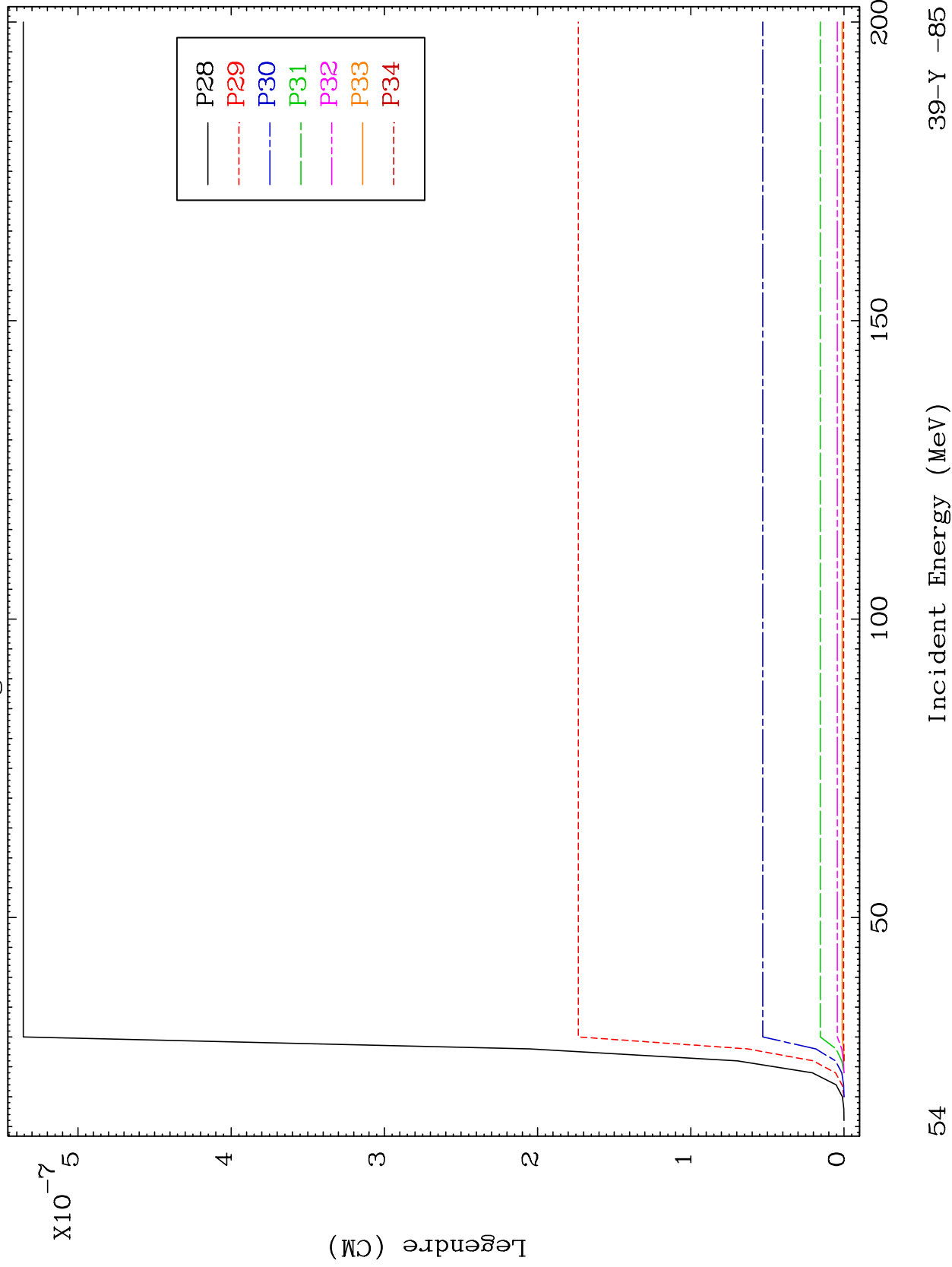
39-Y -85

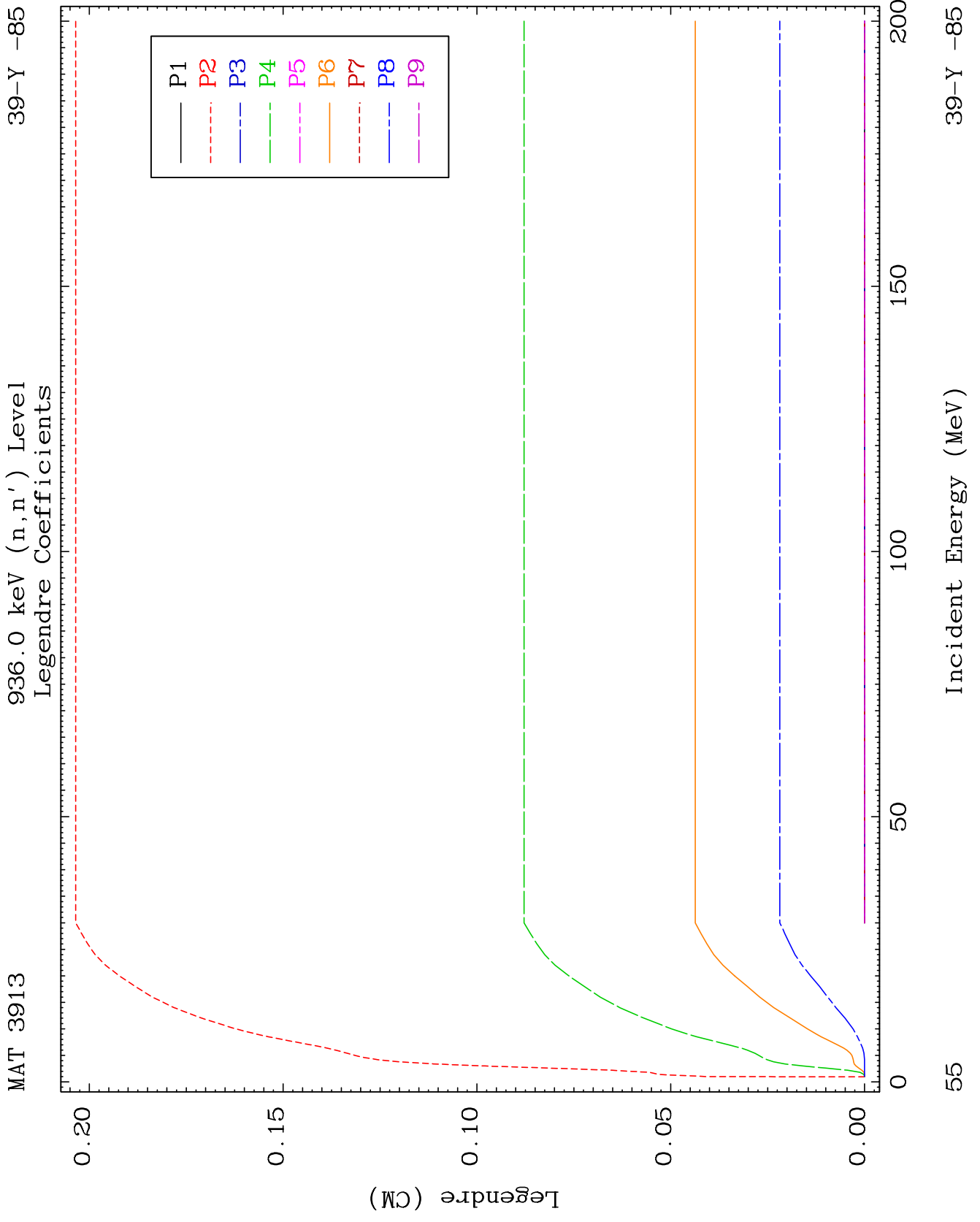


MAT 3913

884.0 keV (n,n') Level  
Legendre Coefficients

39-Y -85



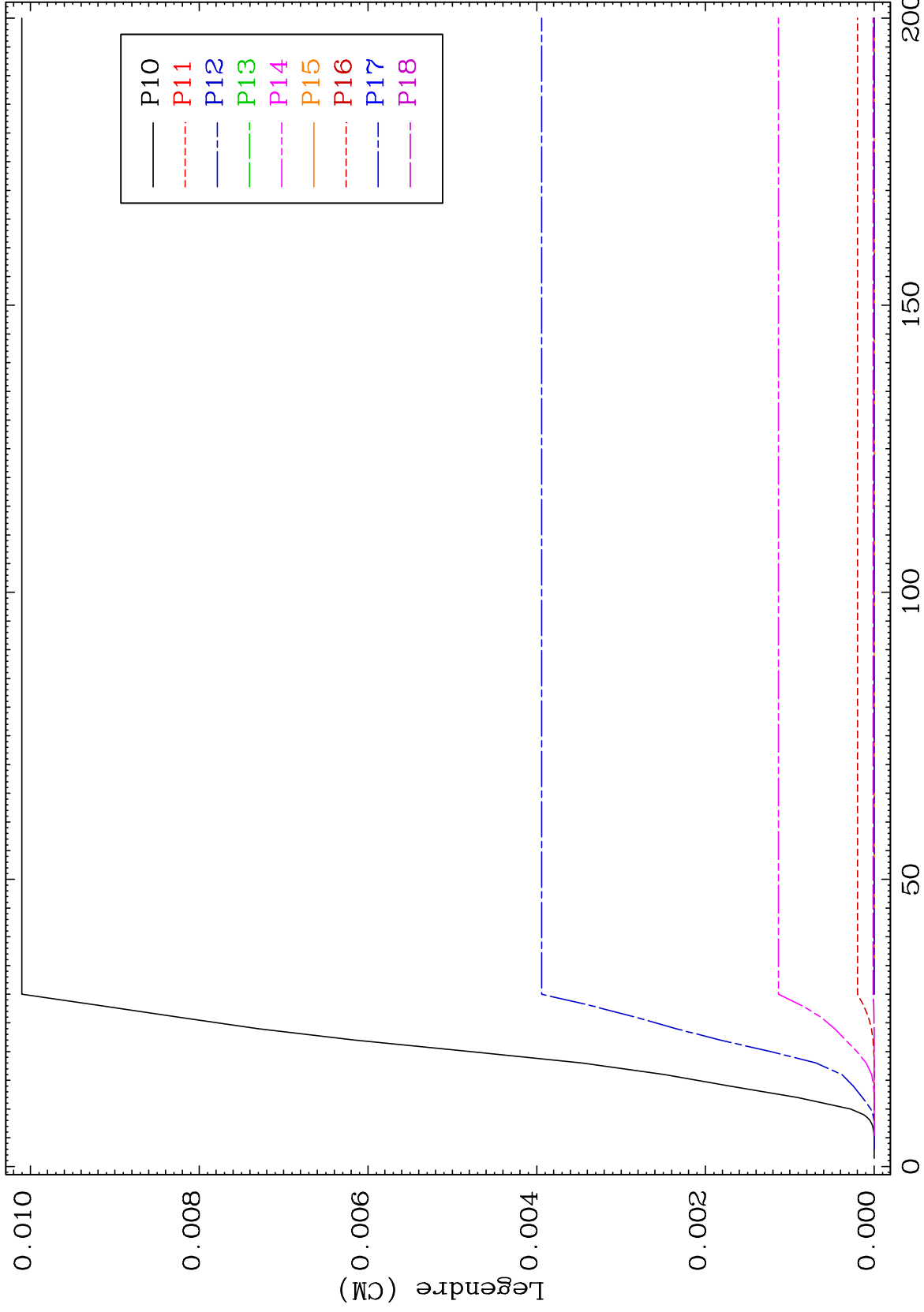




MAT 3913

936.0 keV (n,n') Level  
Legendre Coefficients

39-Y -85



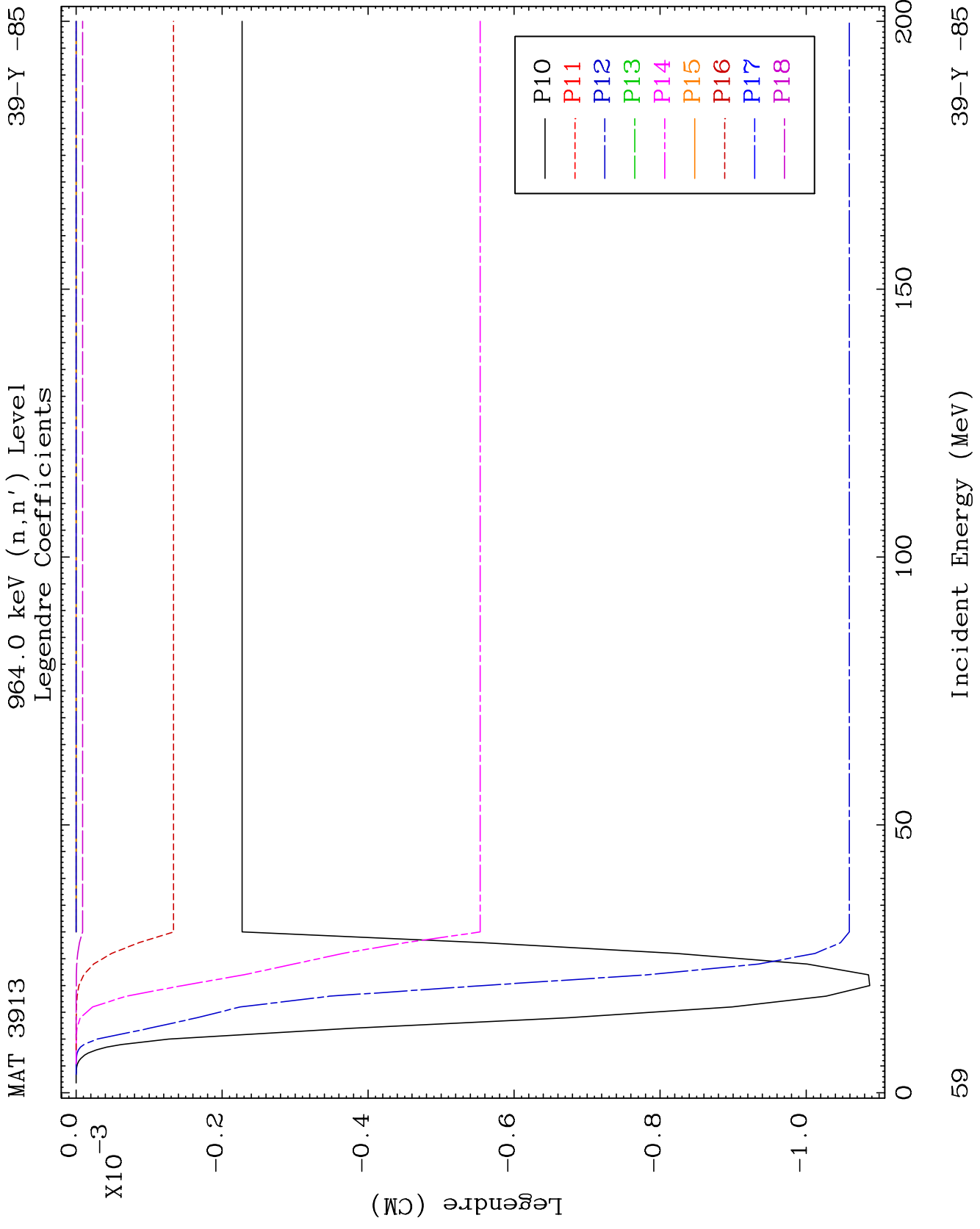
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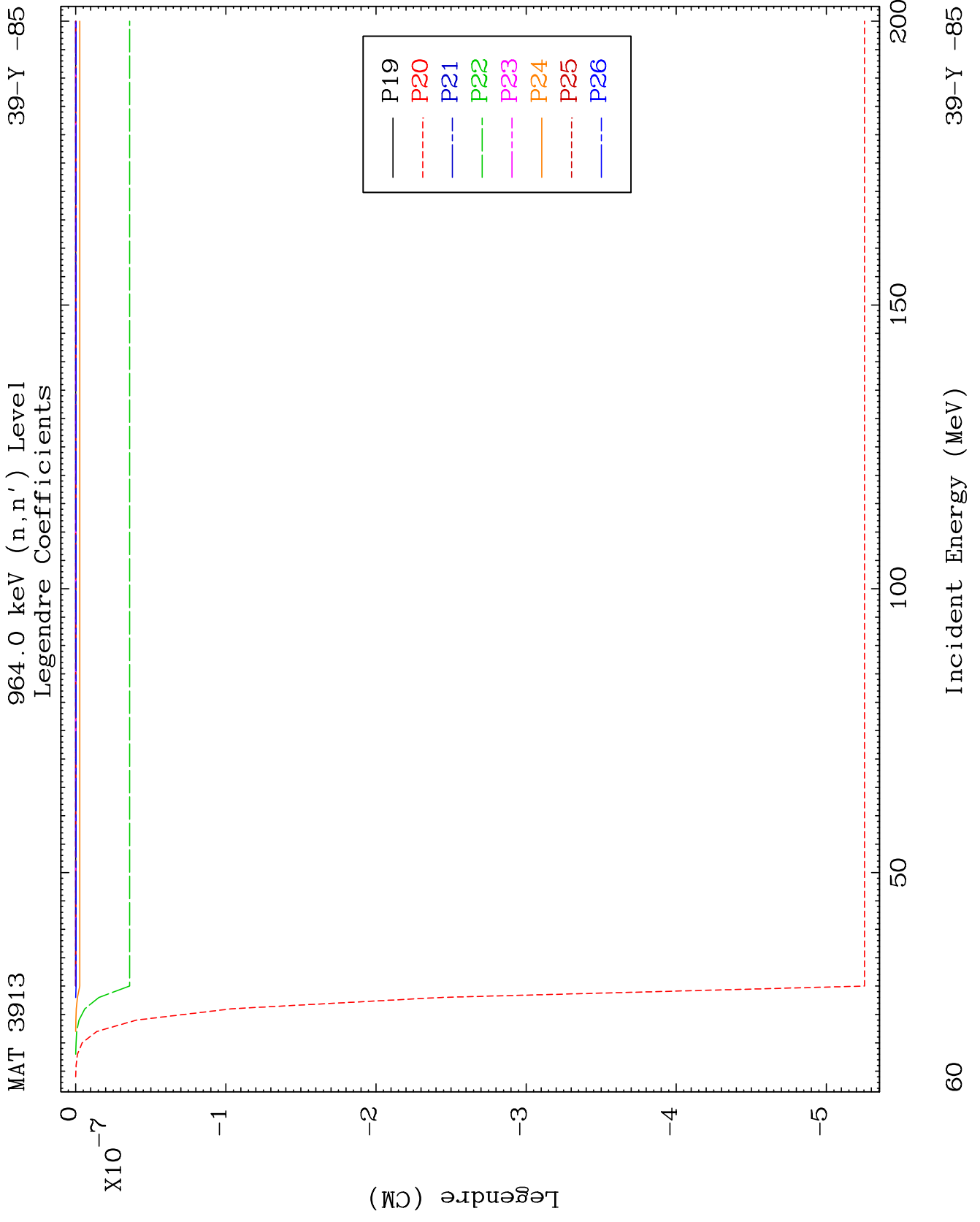
Incident Energy (MeV)

39-Y -85





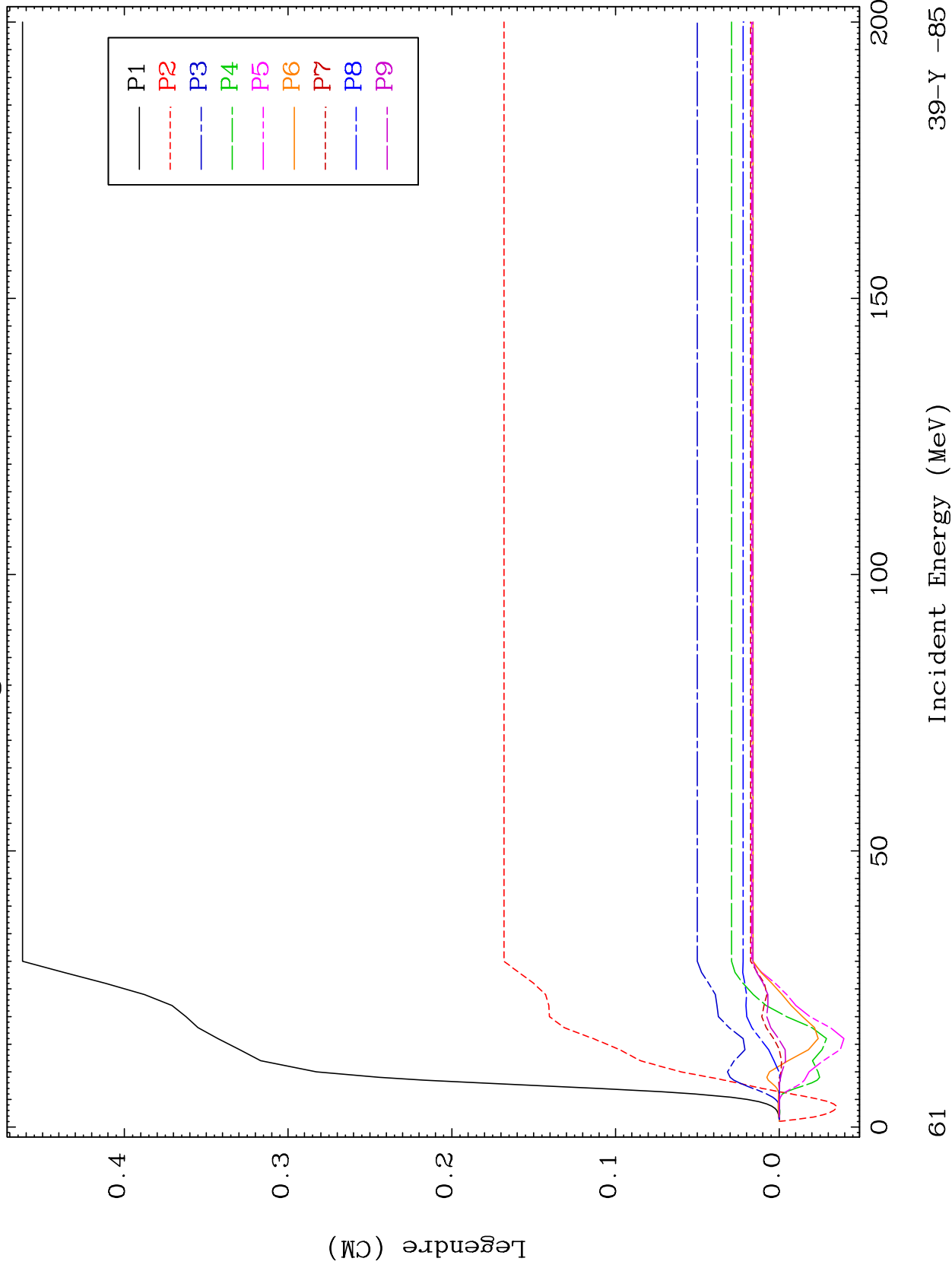




MAT 3913

1.011 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



39-Y -85

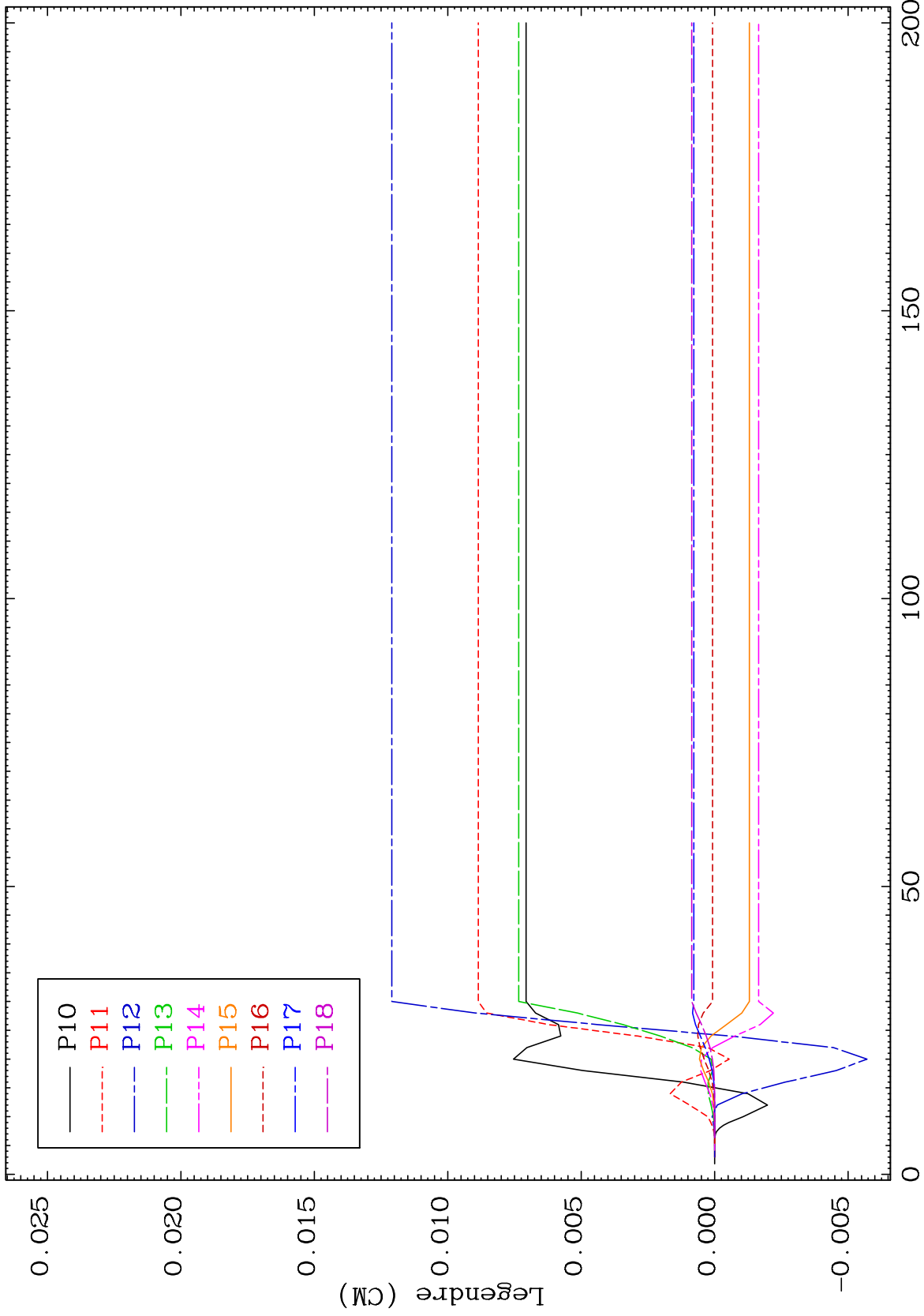
Incident Energy (MeV)

61

MAT 3913

1.011 MeV (n,n') Level  
Legendre Coefficients

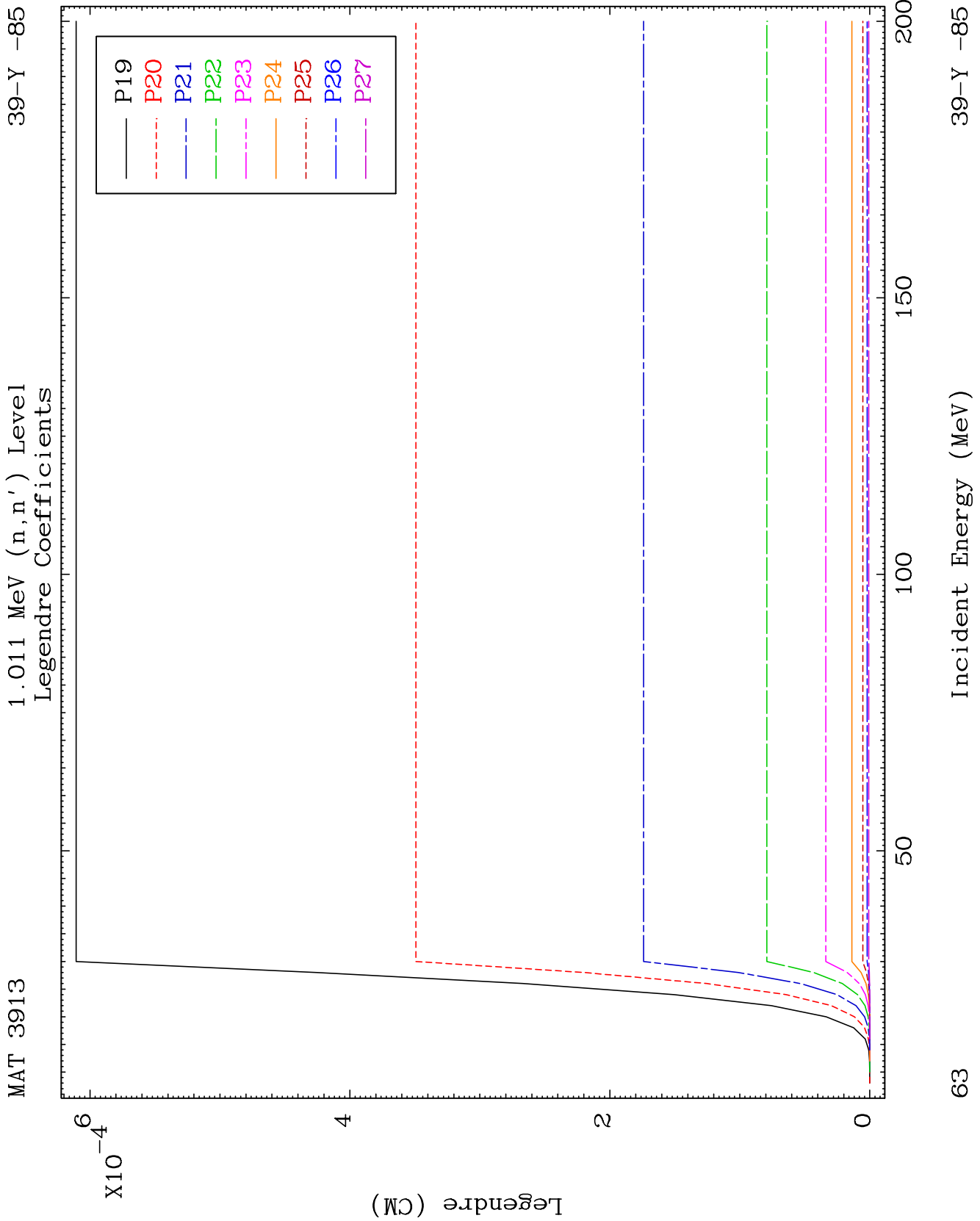
39-Y -85



62

Incident Energy (MeV)

39-Y -85

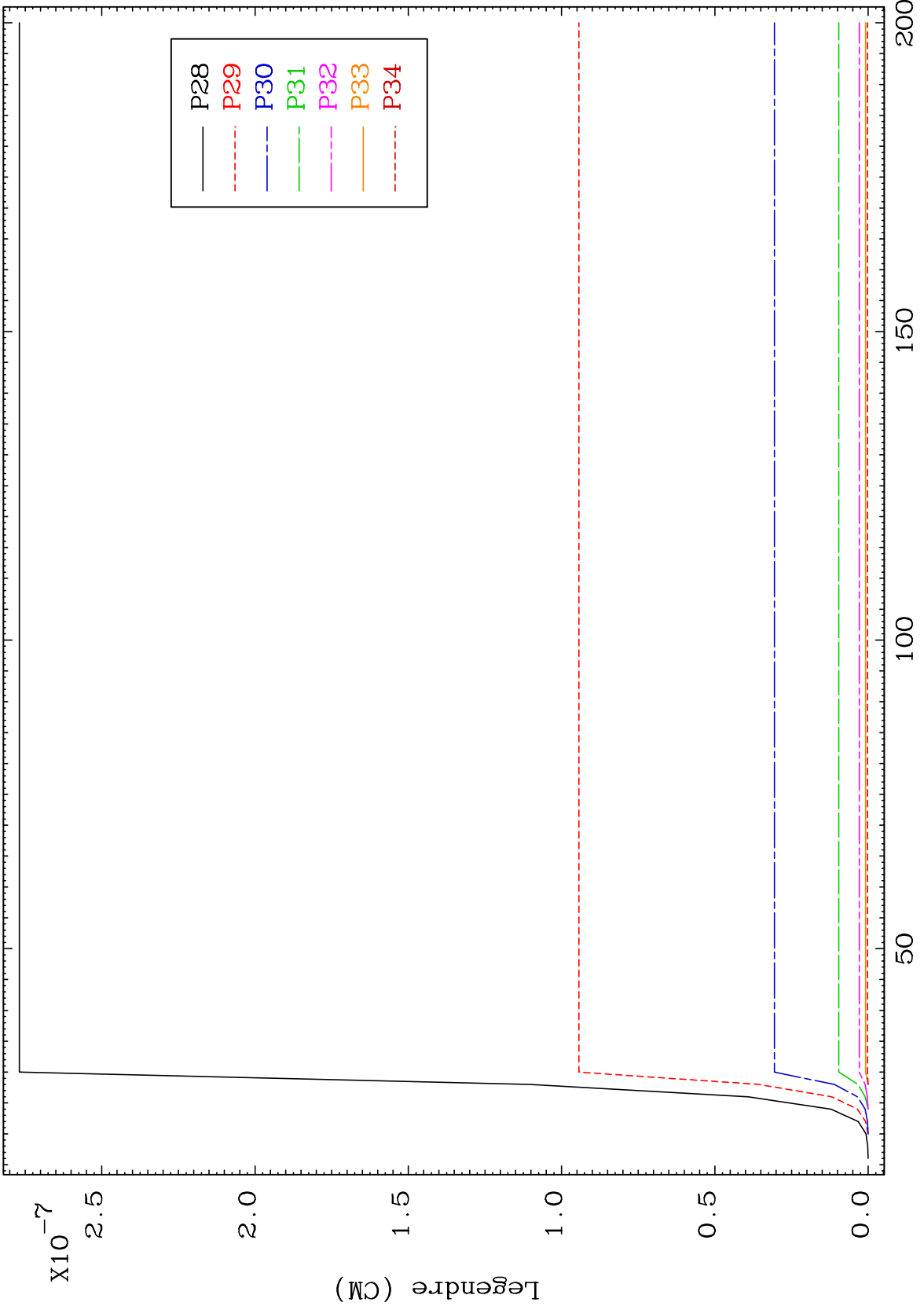




MAT 3913

1.011 MeV (n,n') Level  
Legendre Coefficients

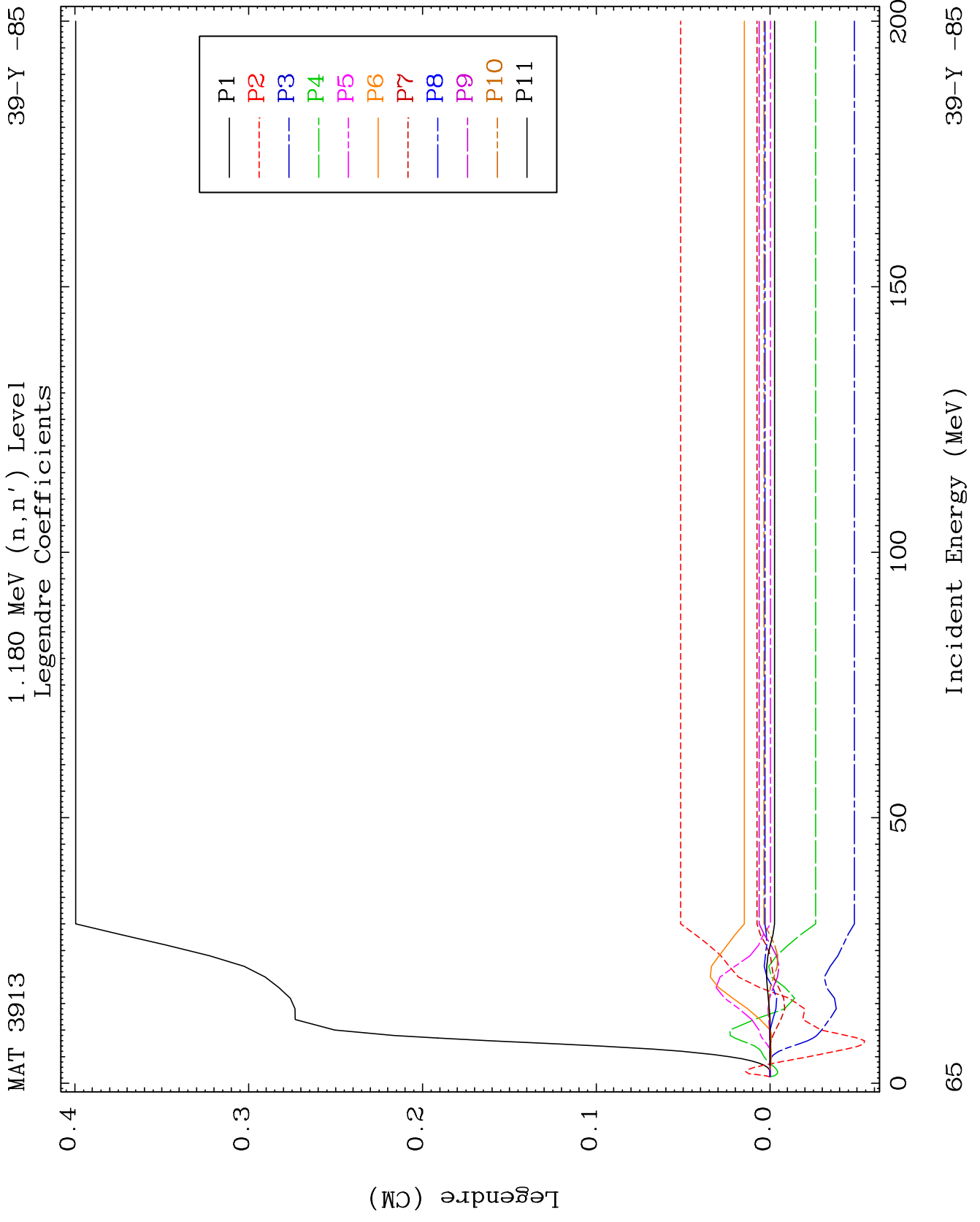
39-Y -85



39-Y -85

Incident Energy (MeV)

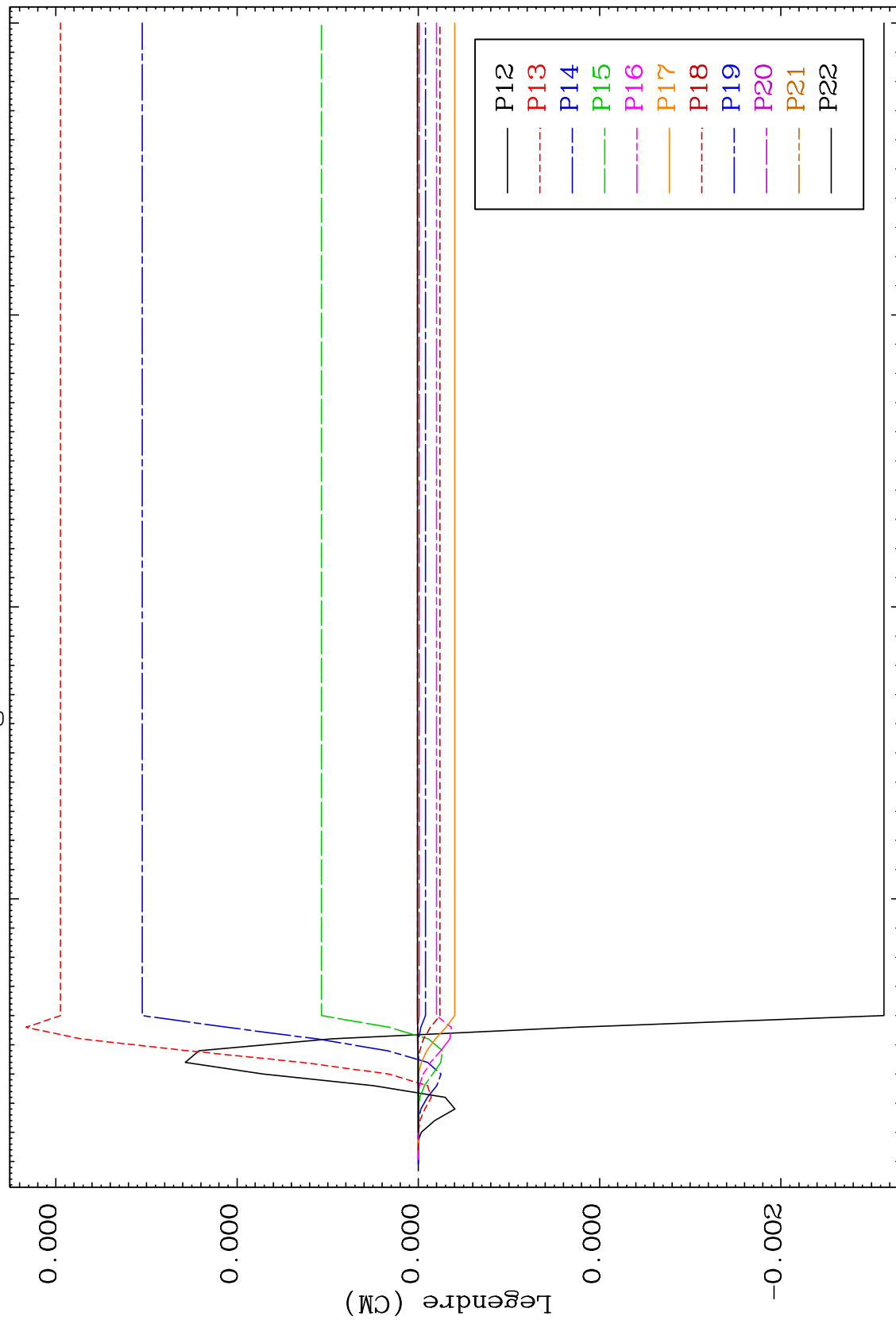
64



MAT 3913

1.180 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



66

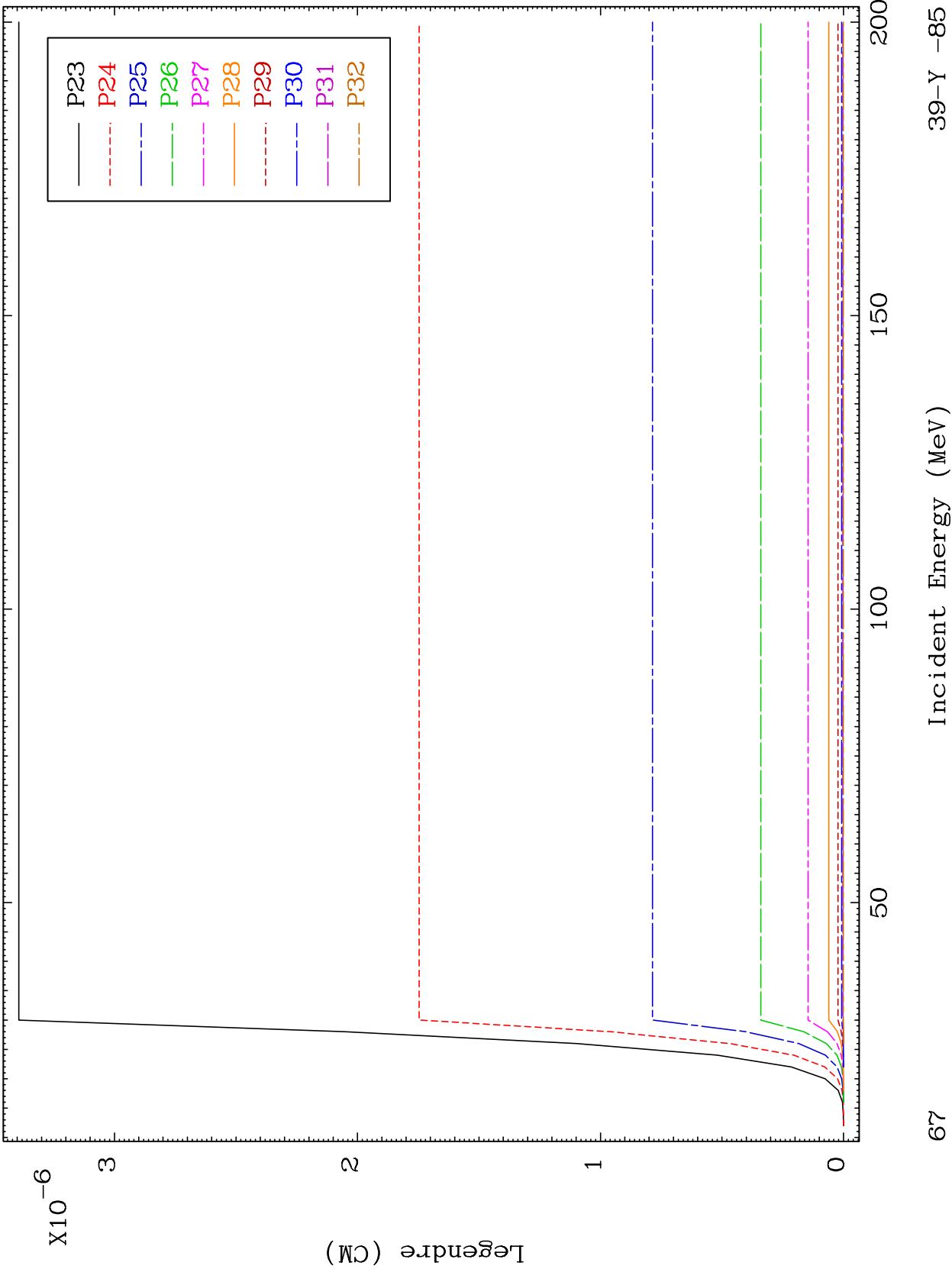
Incident Energy (MeV)

39-Y -85

MAT 3913

### 1.180 MeV (n,n') Level Legendre Coefficients

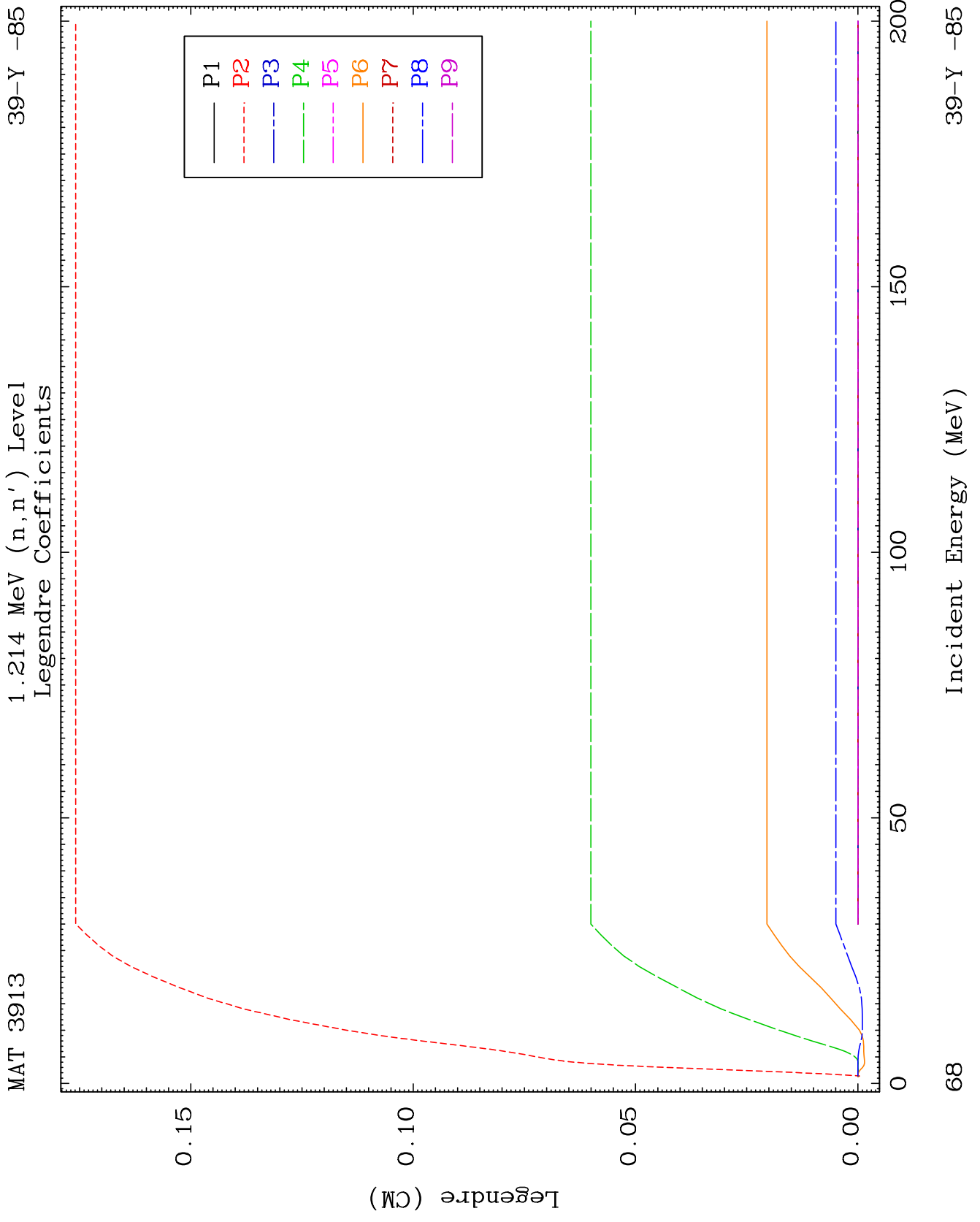
39-Y -85

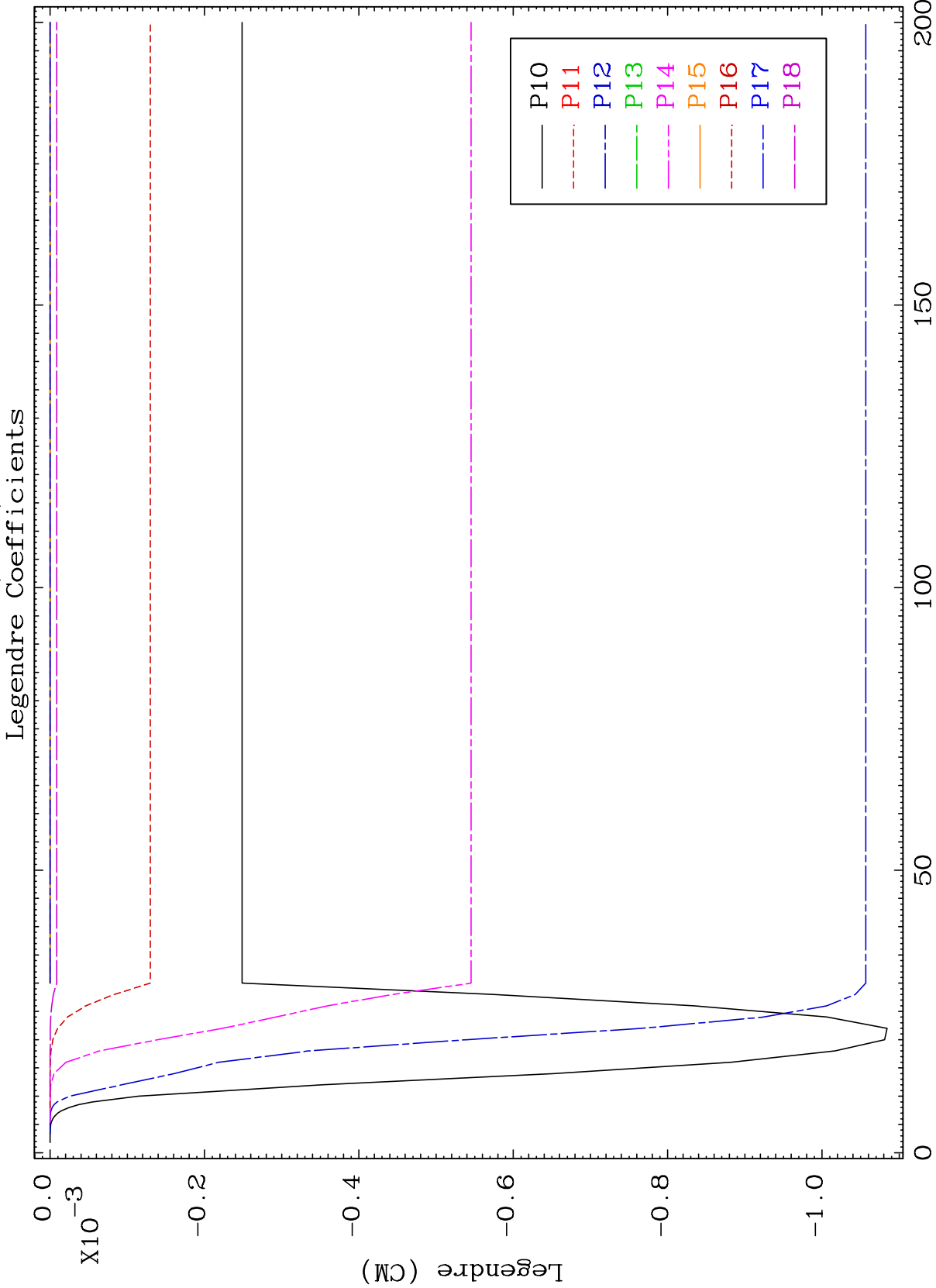


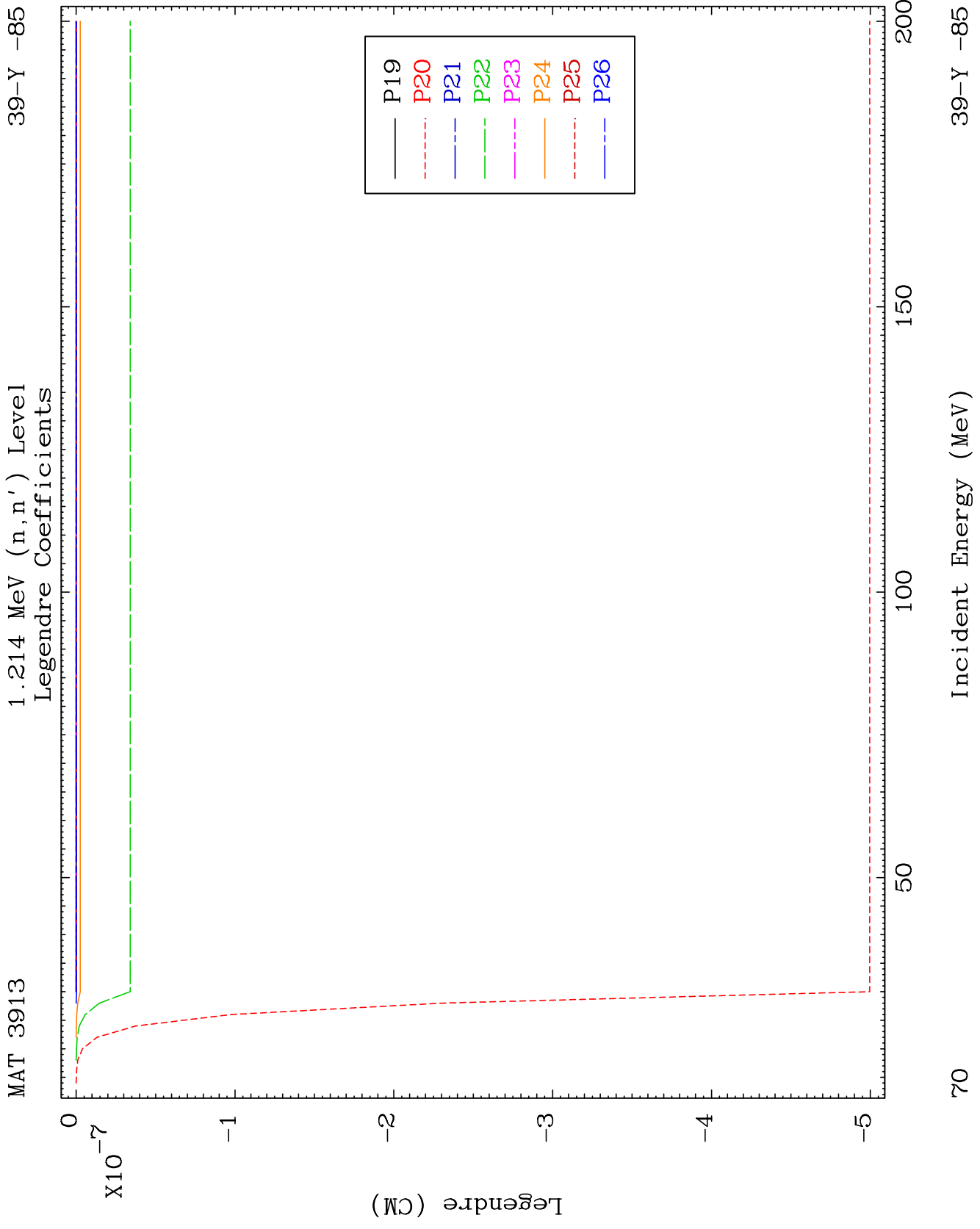
67

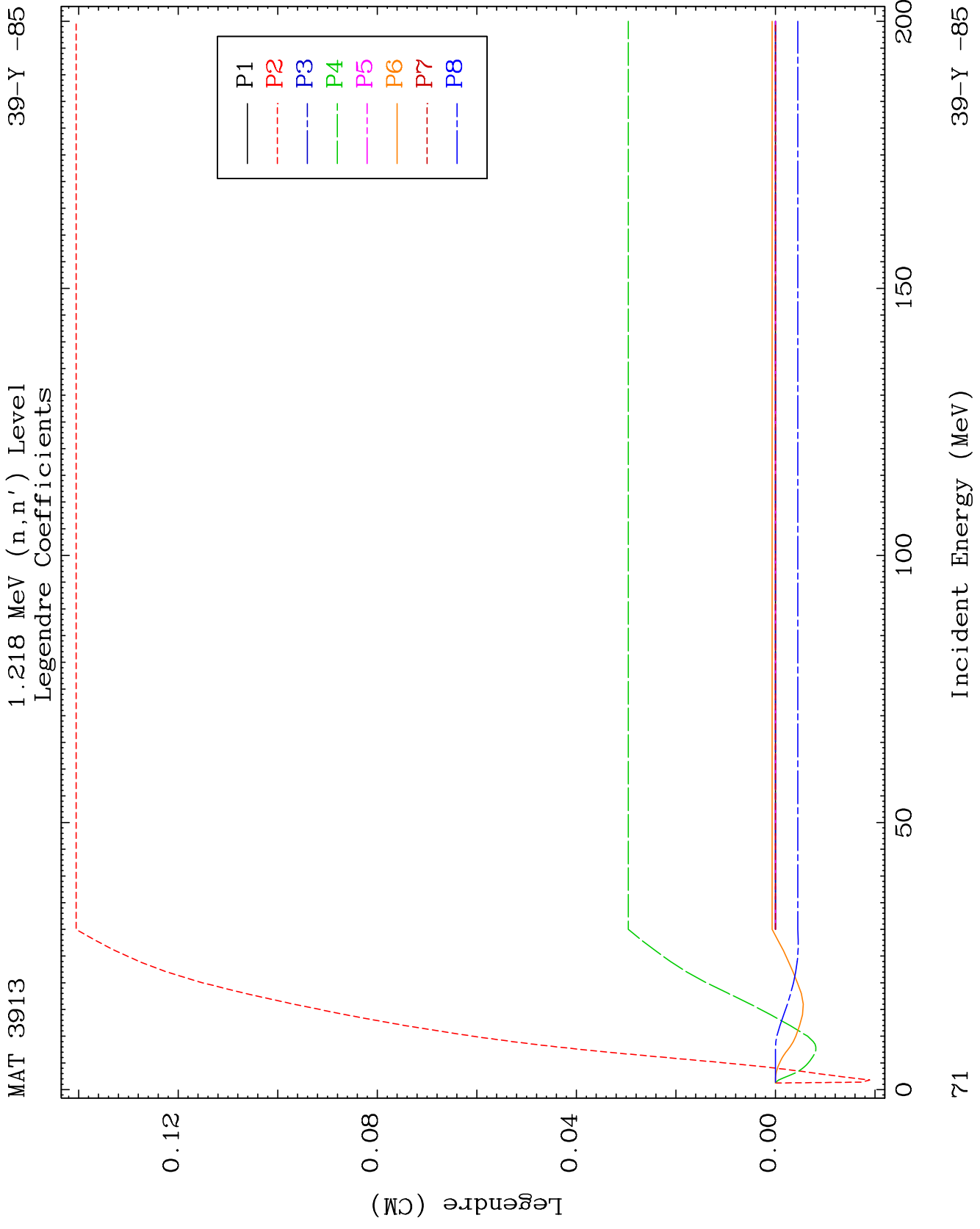
Incident Energy (MeV)

39-Y -85

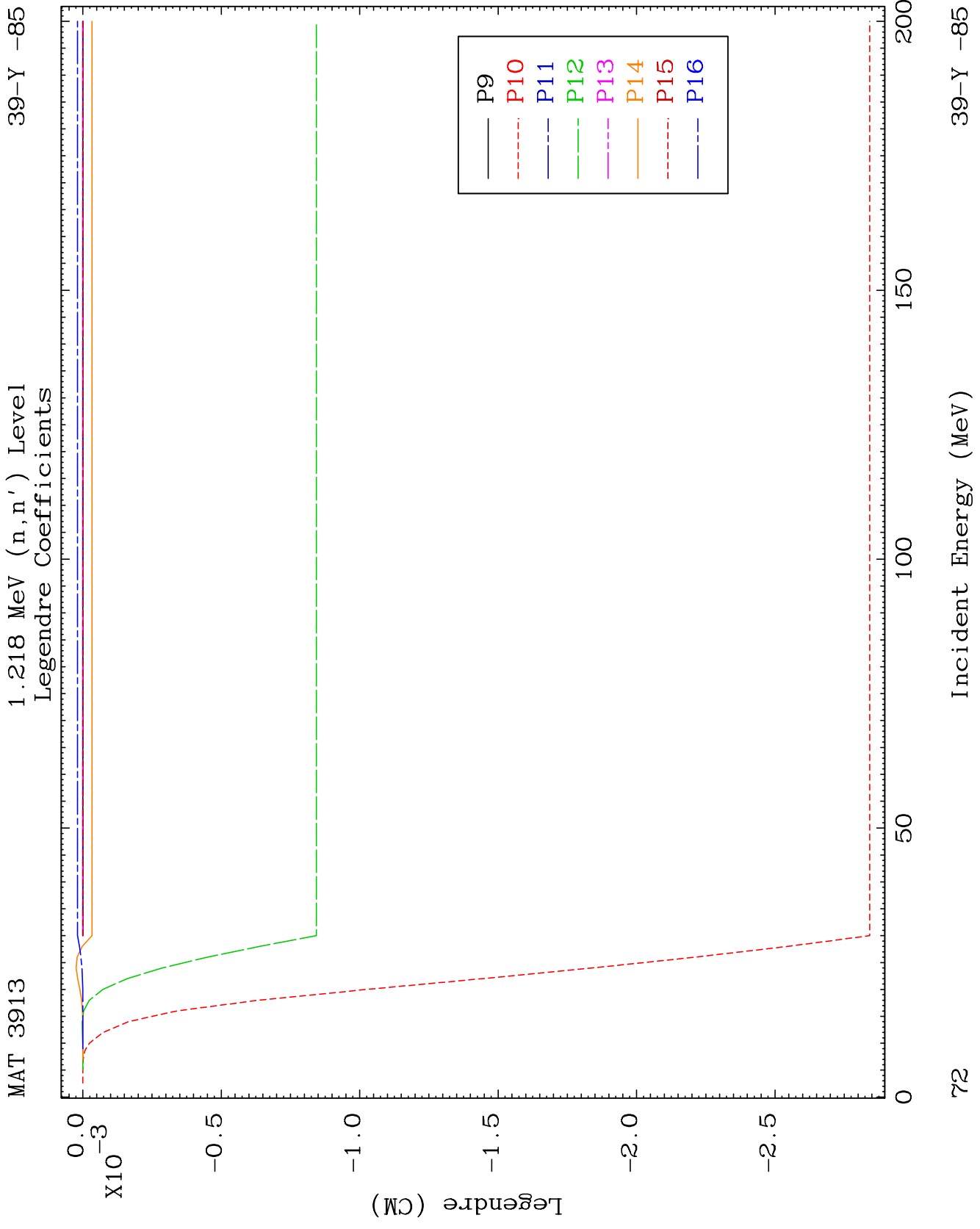


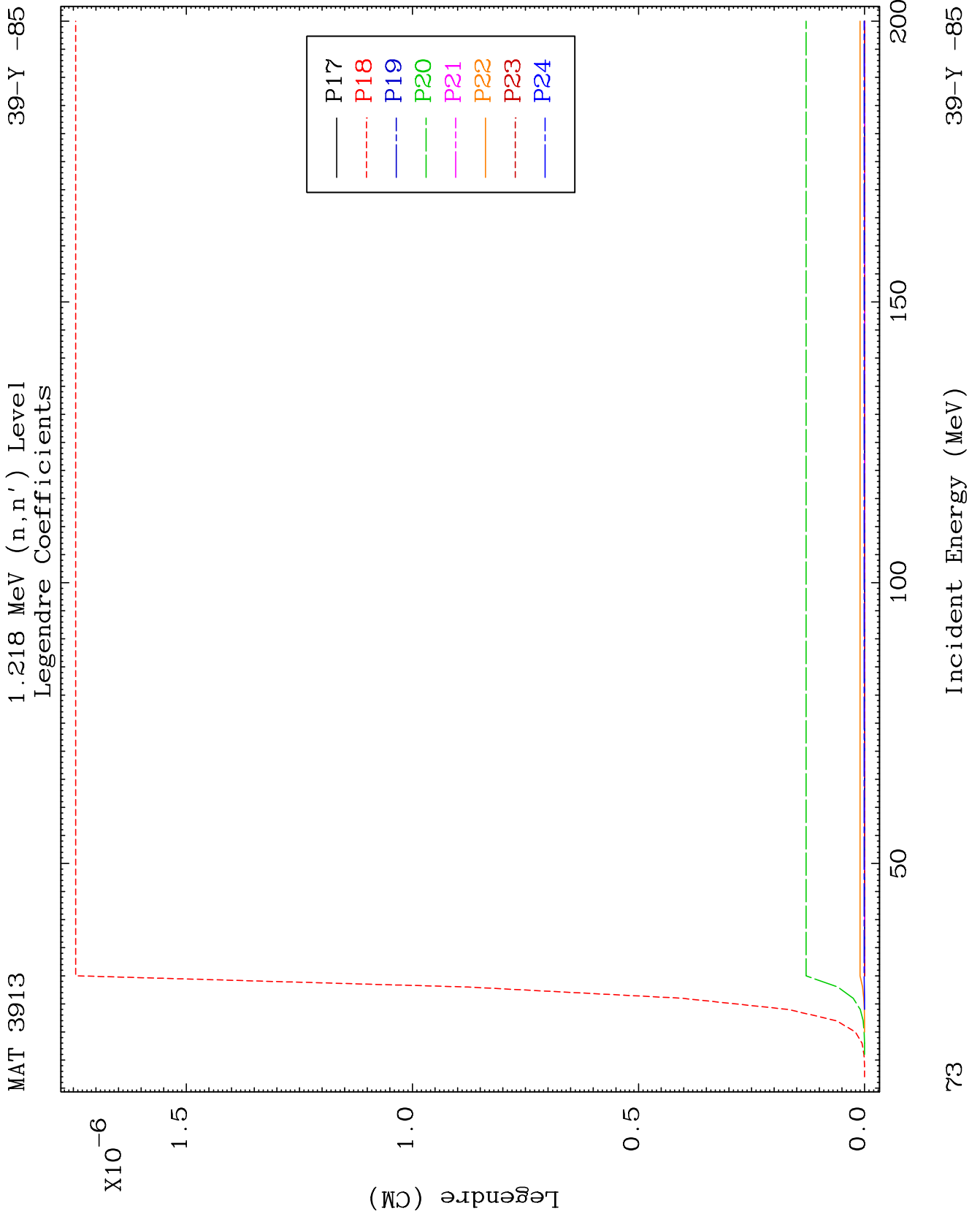








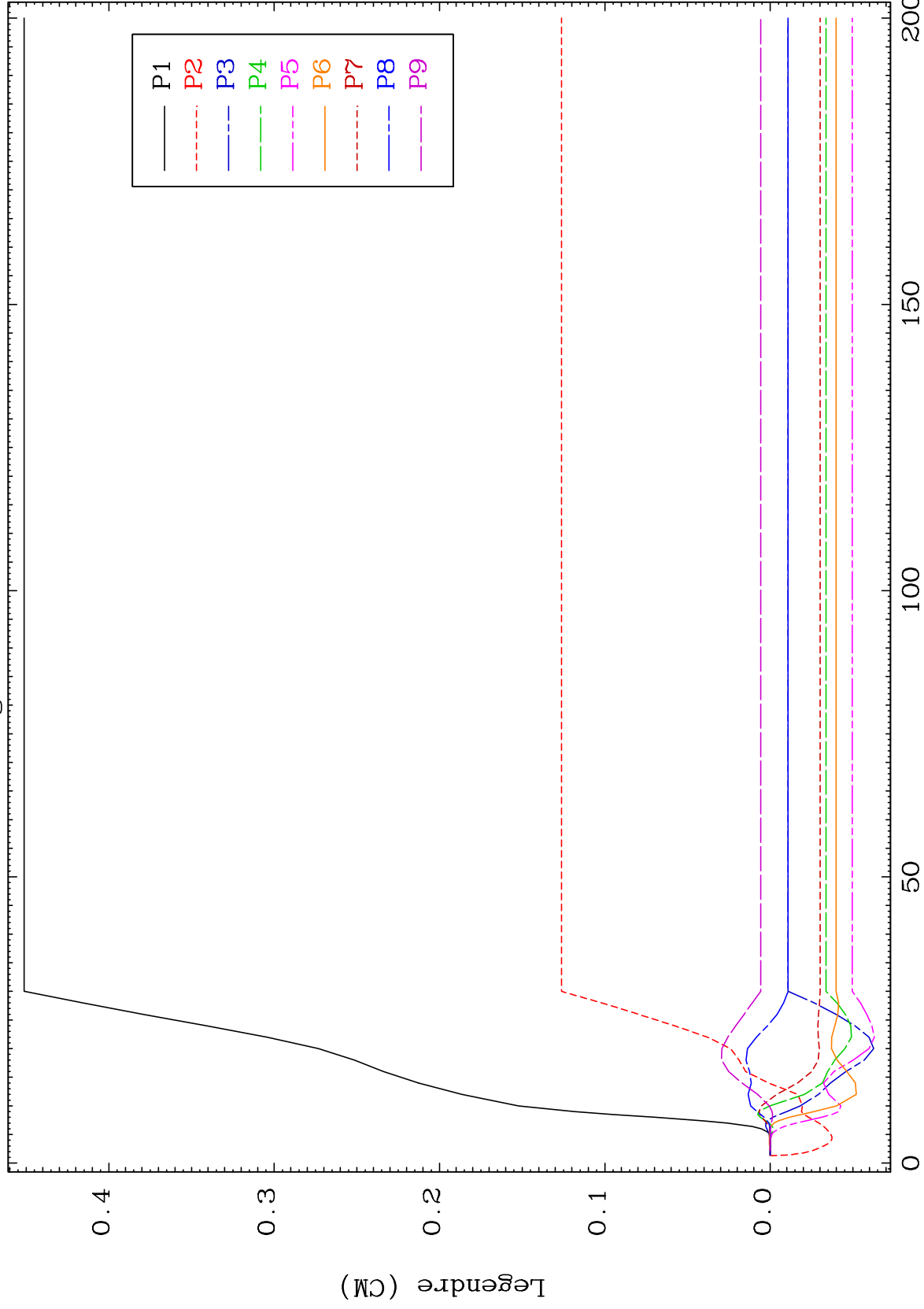




MAT 3913

1.274 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



74

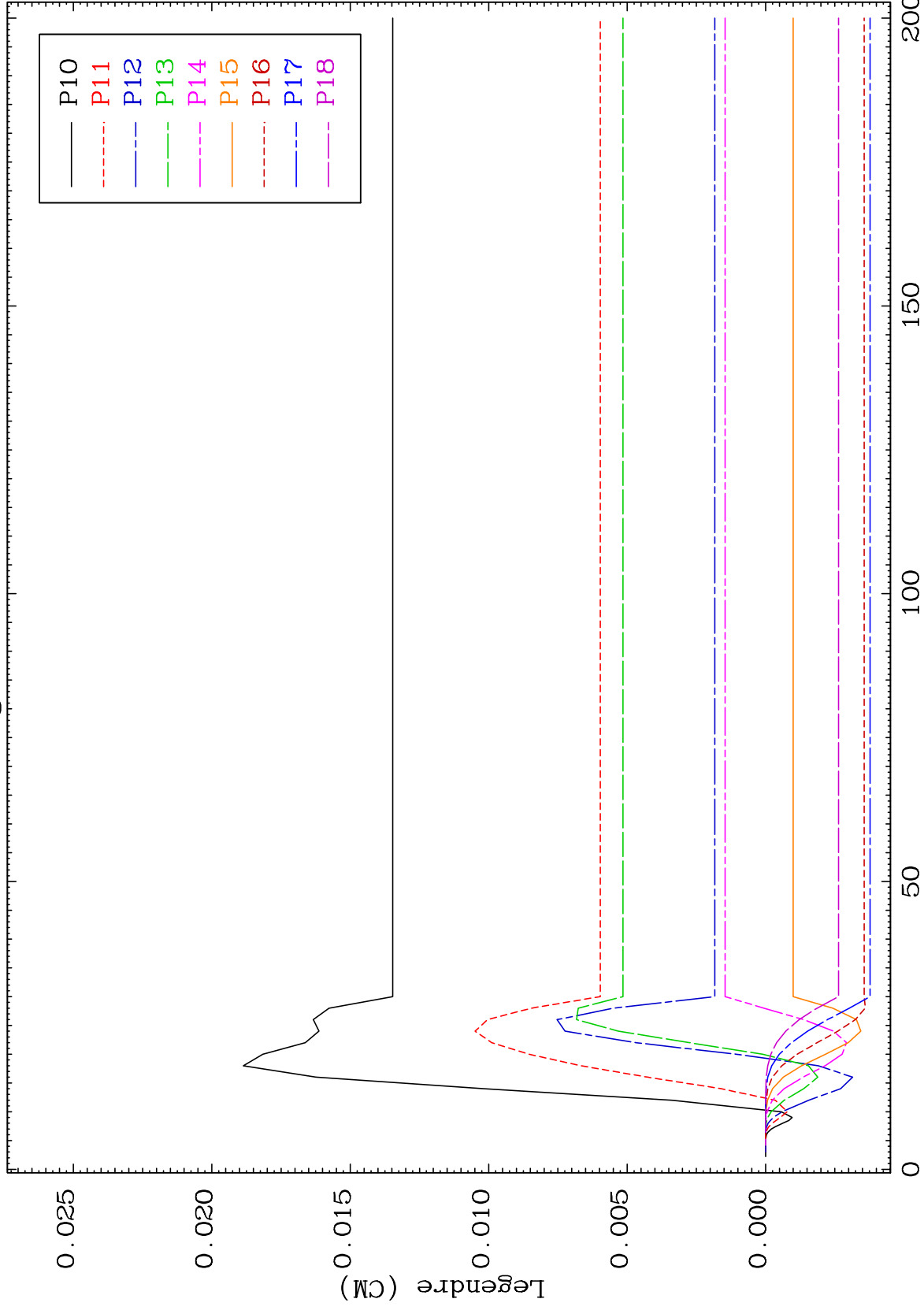
Incident Energy (MeV)

39-Y -85

MAT 3913

1.274 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



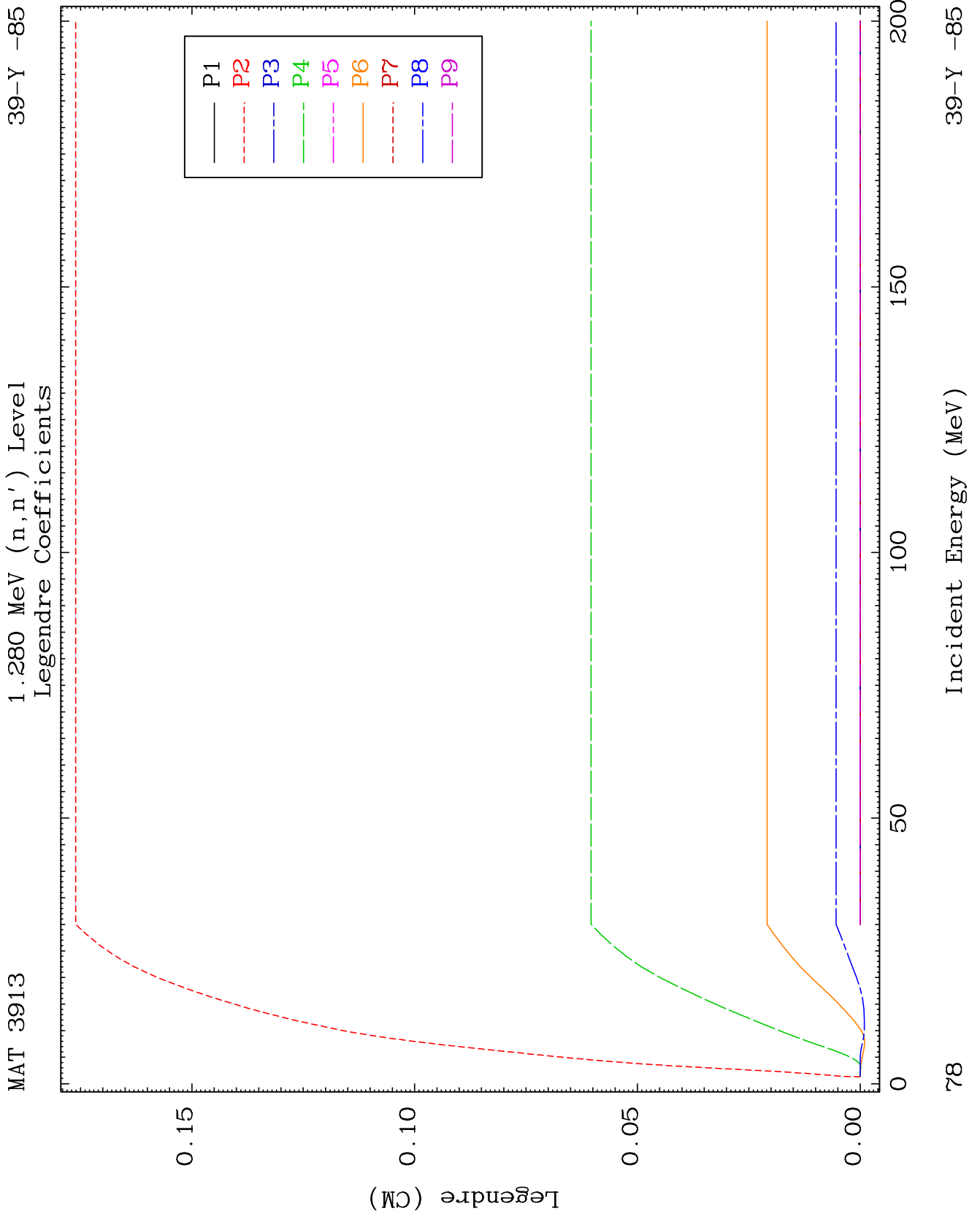
75

Incident Energy (MeV)

39-Y -85



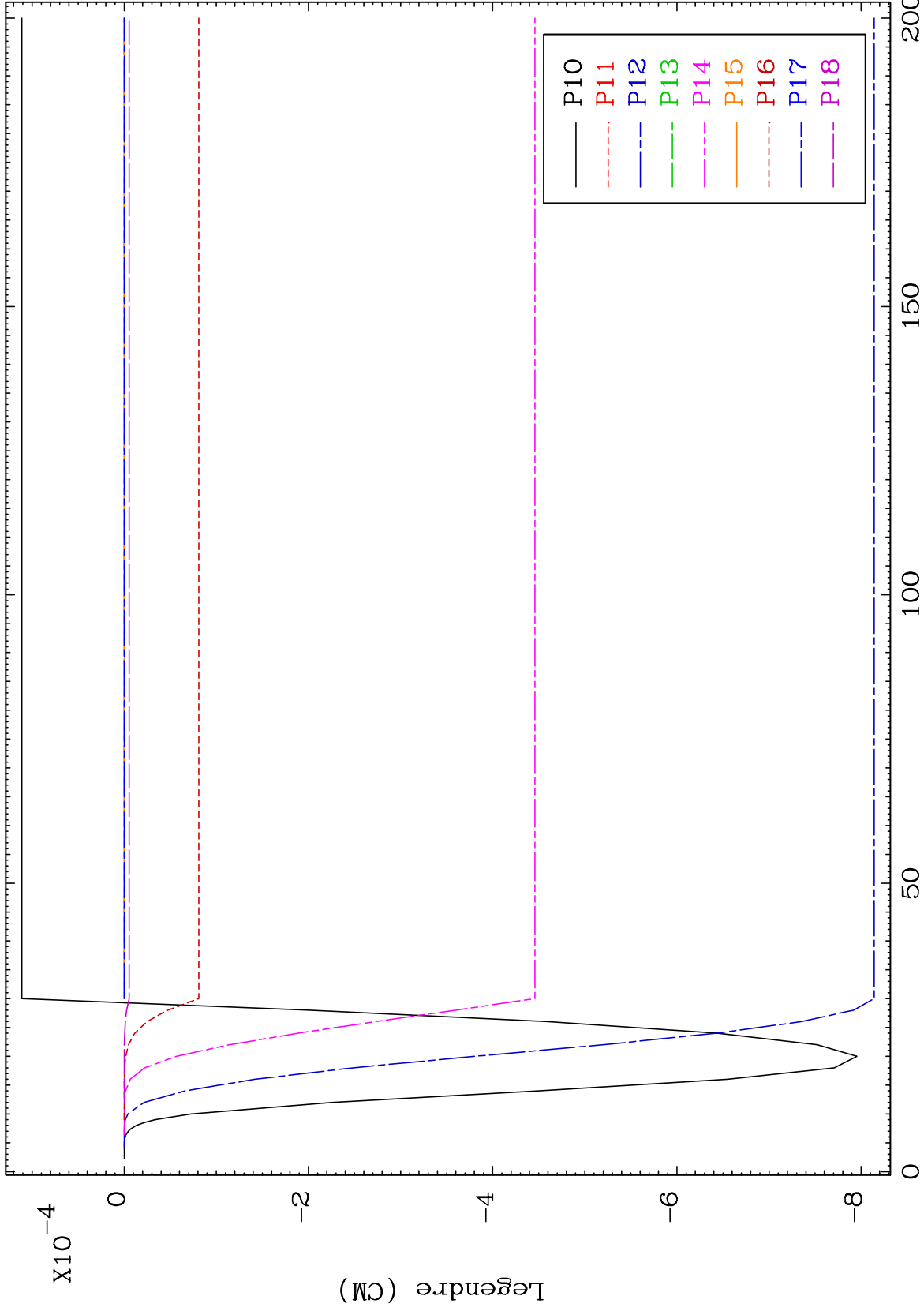




MAT 3913

1.280 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



79

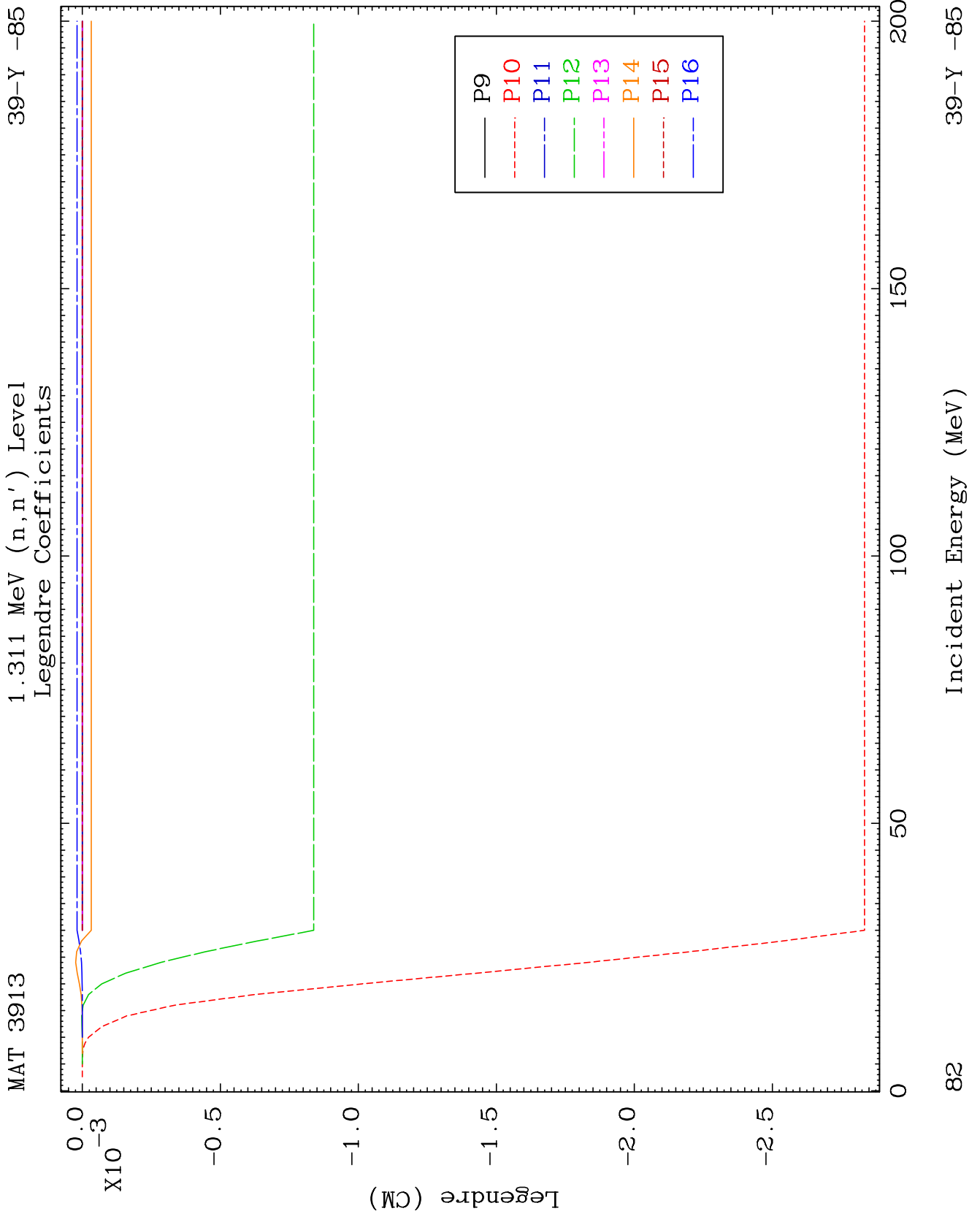
Incident Energy (MeV)

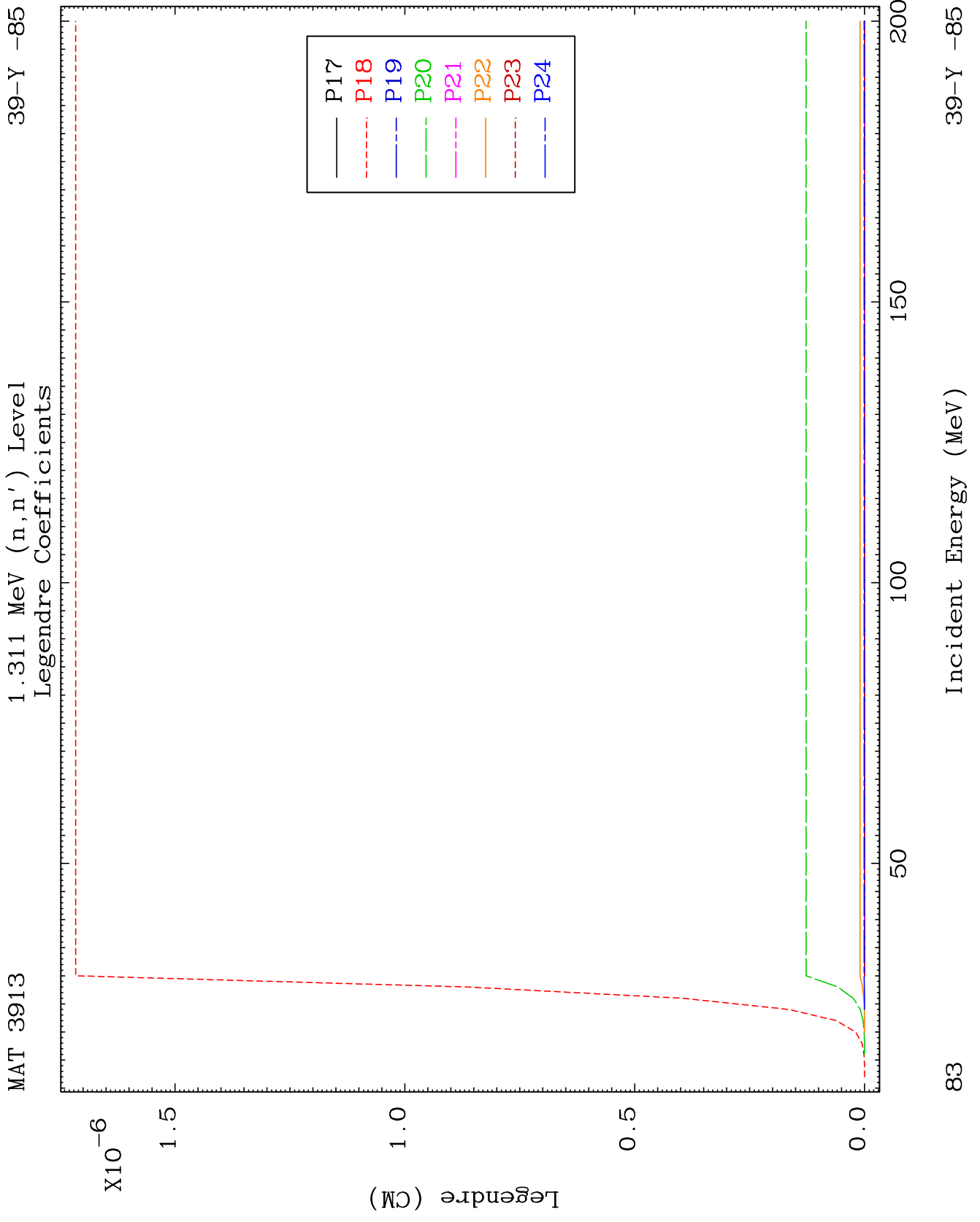
39-Y -85









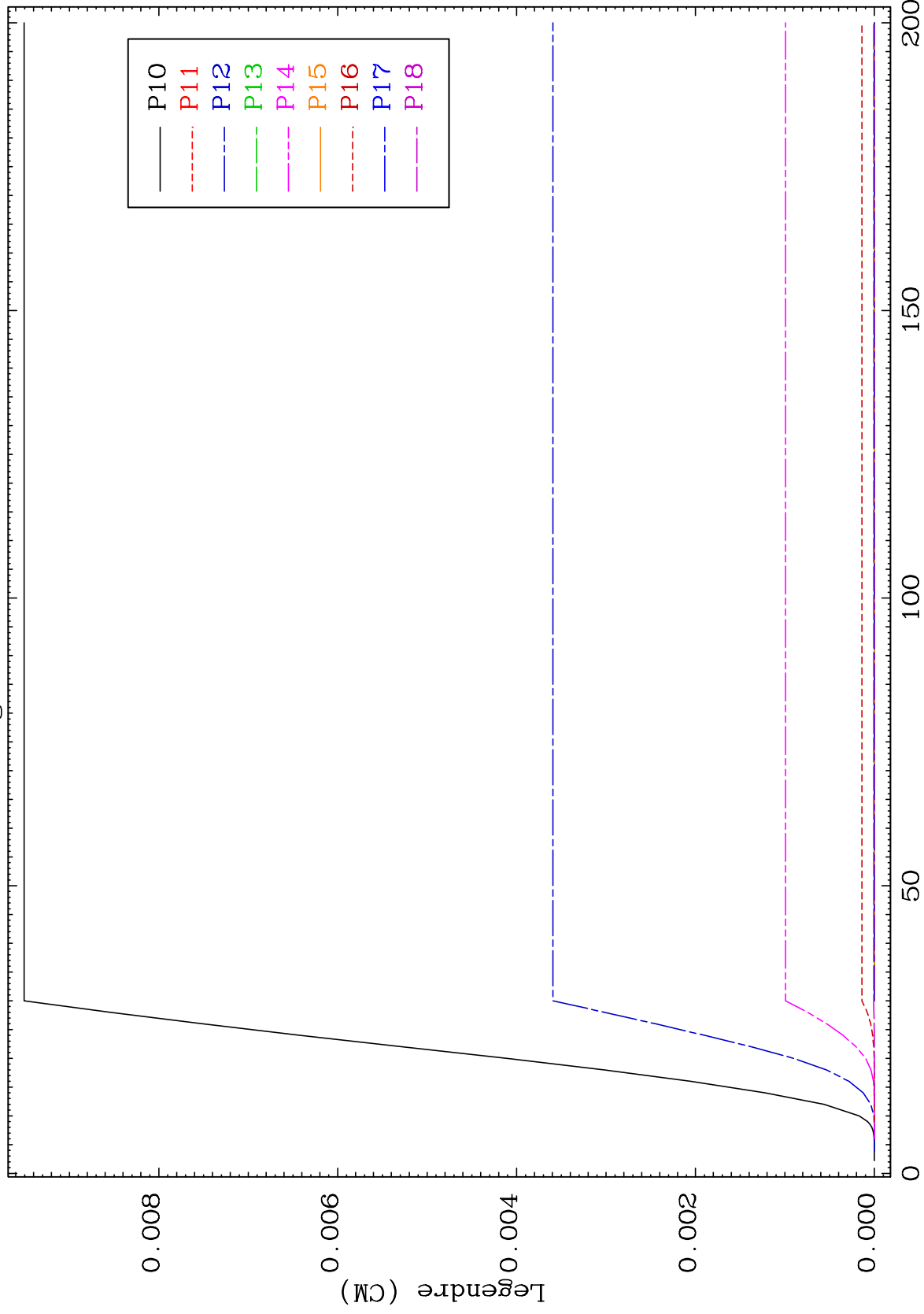




MAT 3913

### 1.378 MeV (n,n') Level Legendre Coefficients

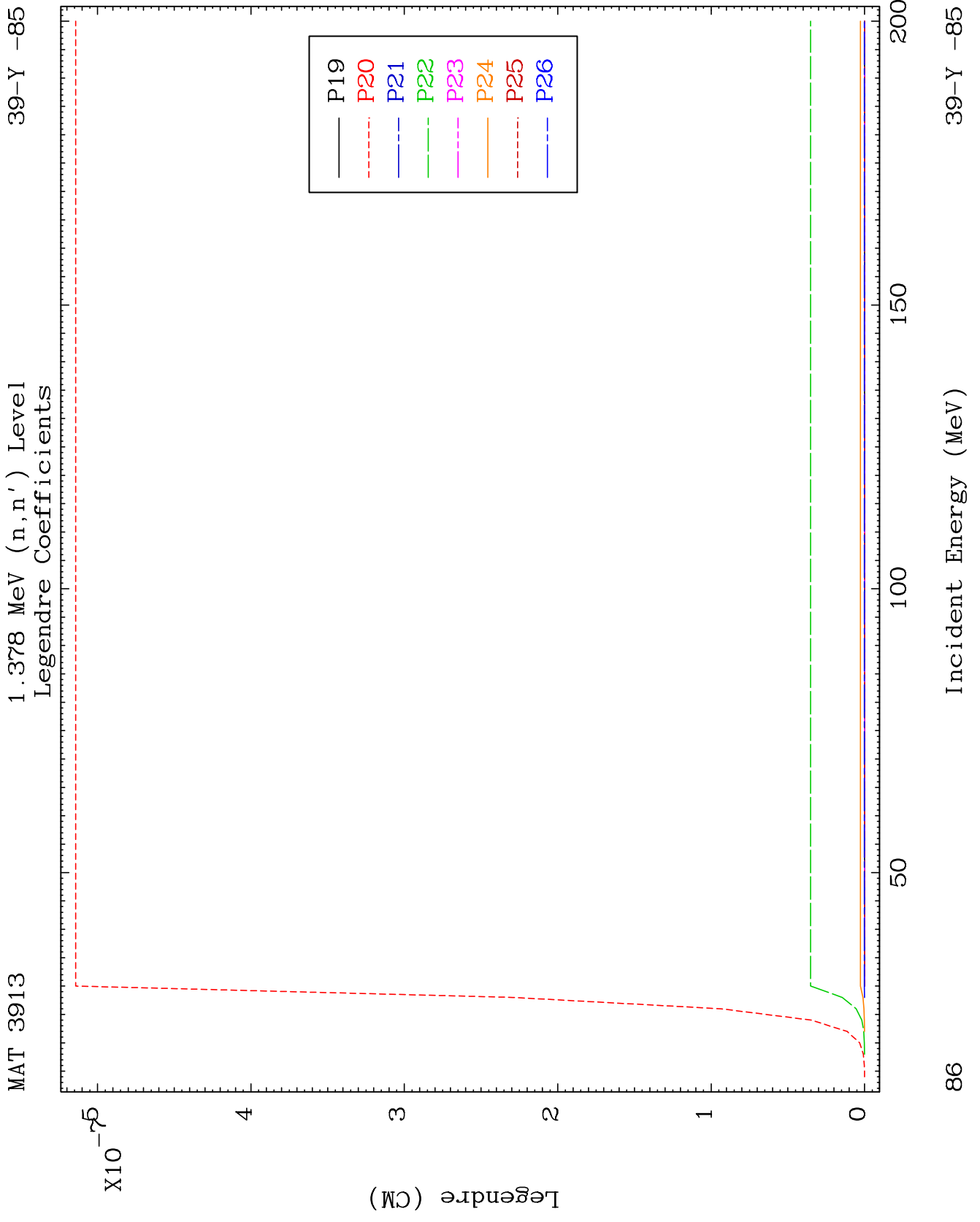
39-Y -85



85

Incident Energy (MeV)

39-Y -85



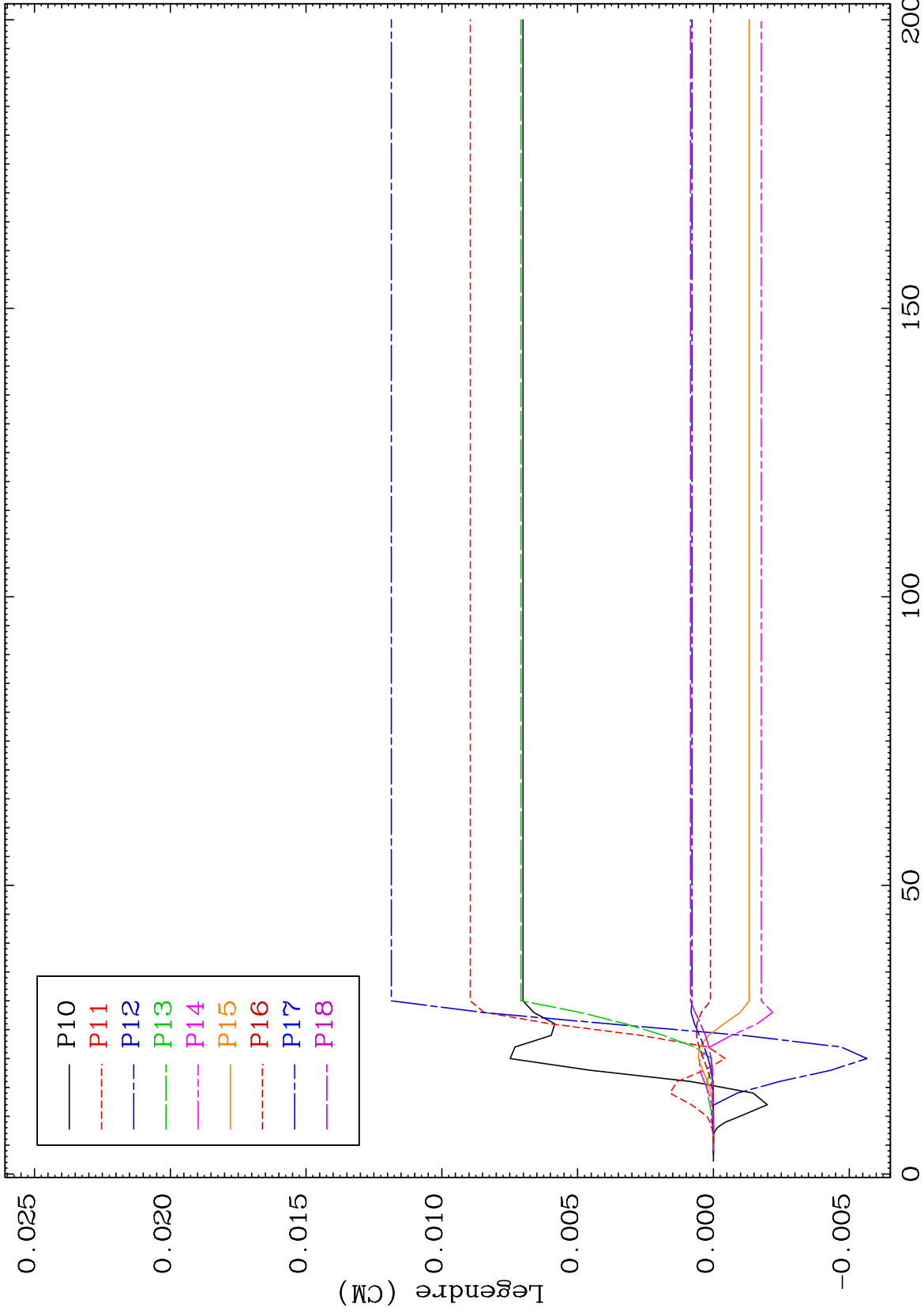




MAT 3913

1.393 MeV (n,n') Level  
Legendre Coefficients

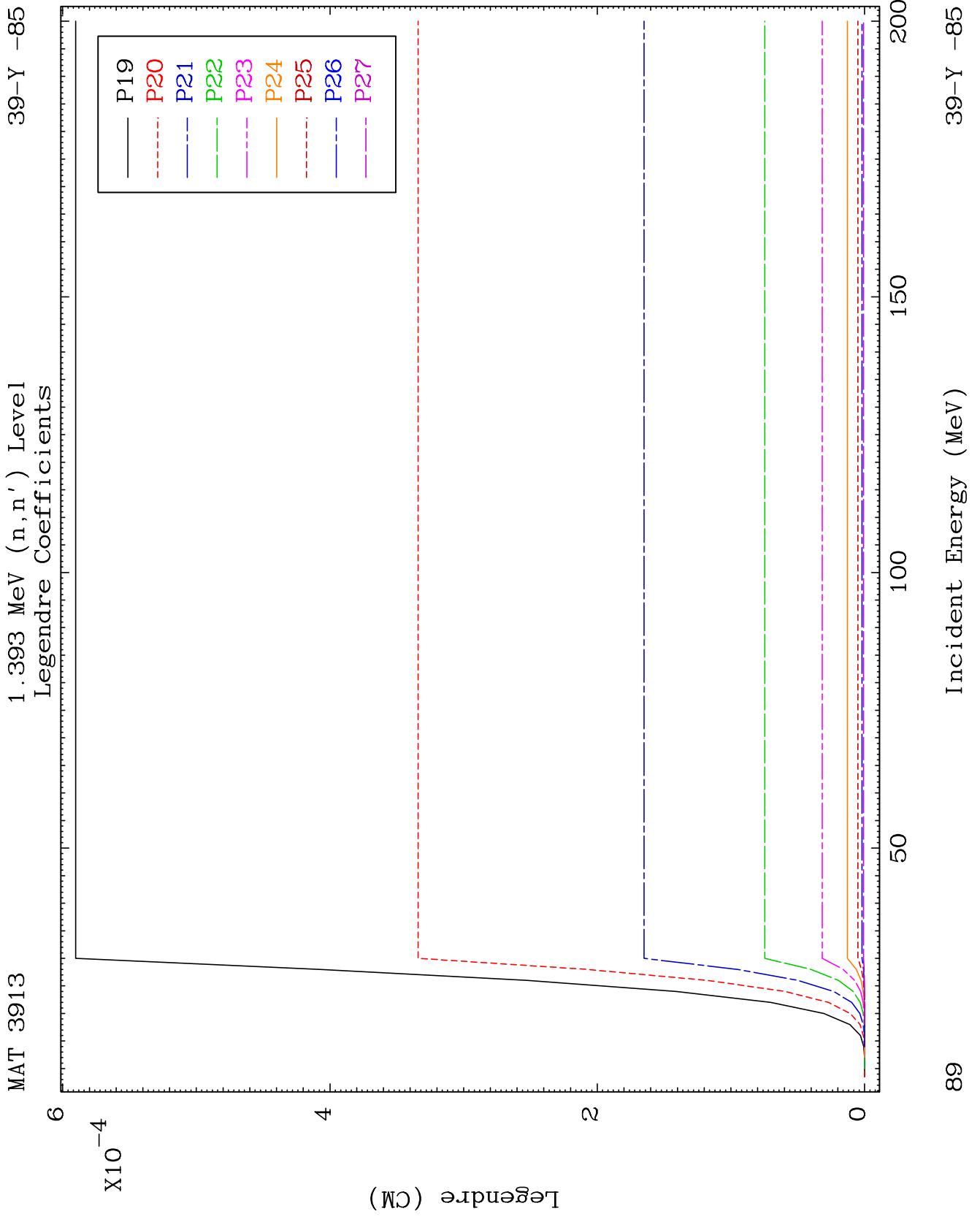
39-Y -85



88

Incident Energy (MeV)

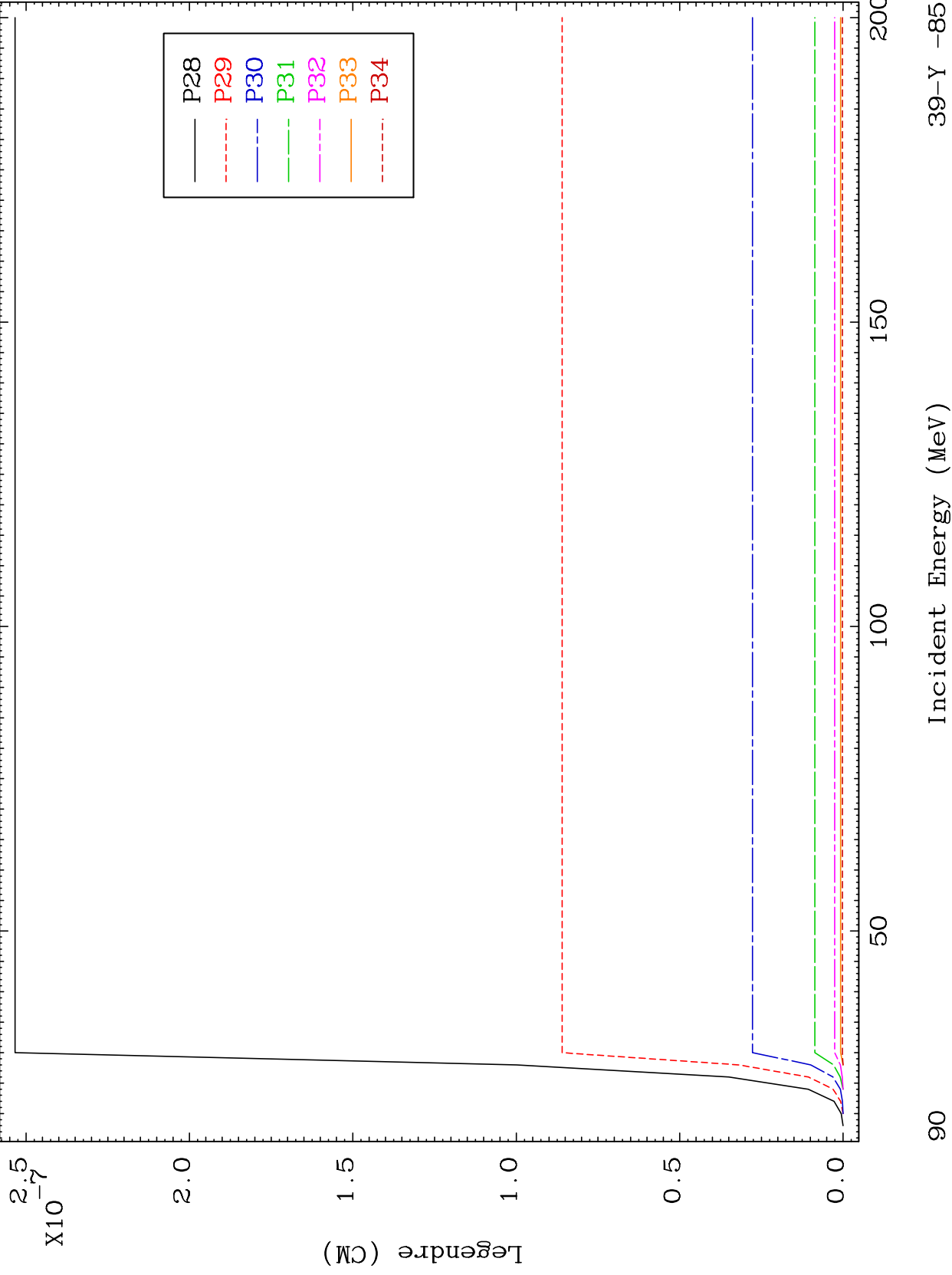
39-Y -85



MAT 3913

1.393 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



90

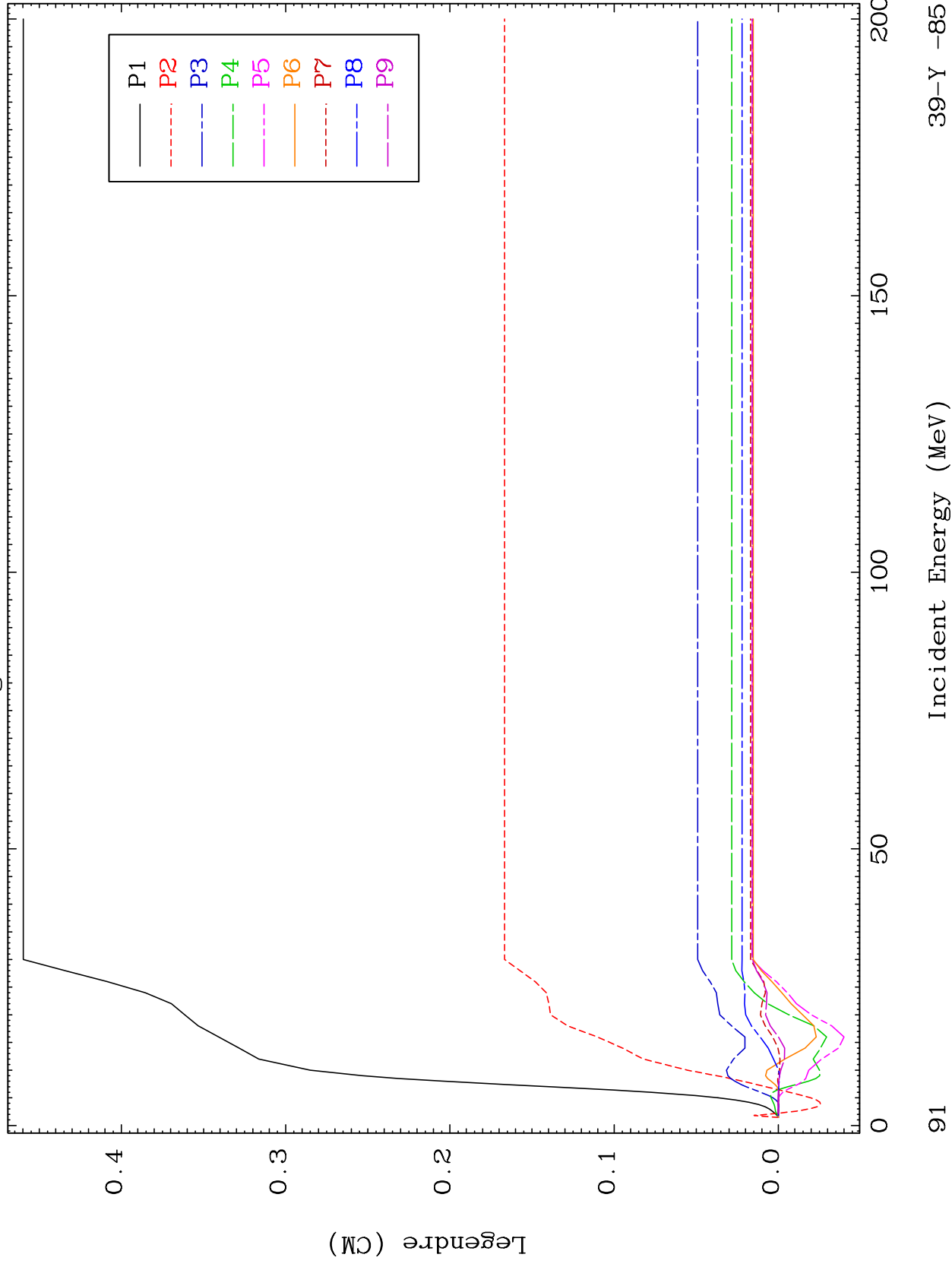
Incident Energy (MeV)

39-Y -85

MAT 3913

1.423 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



91

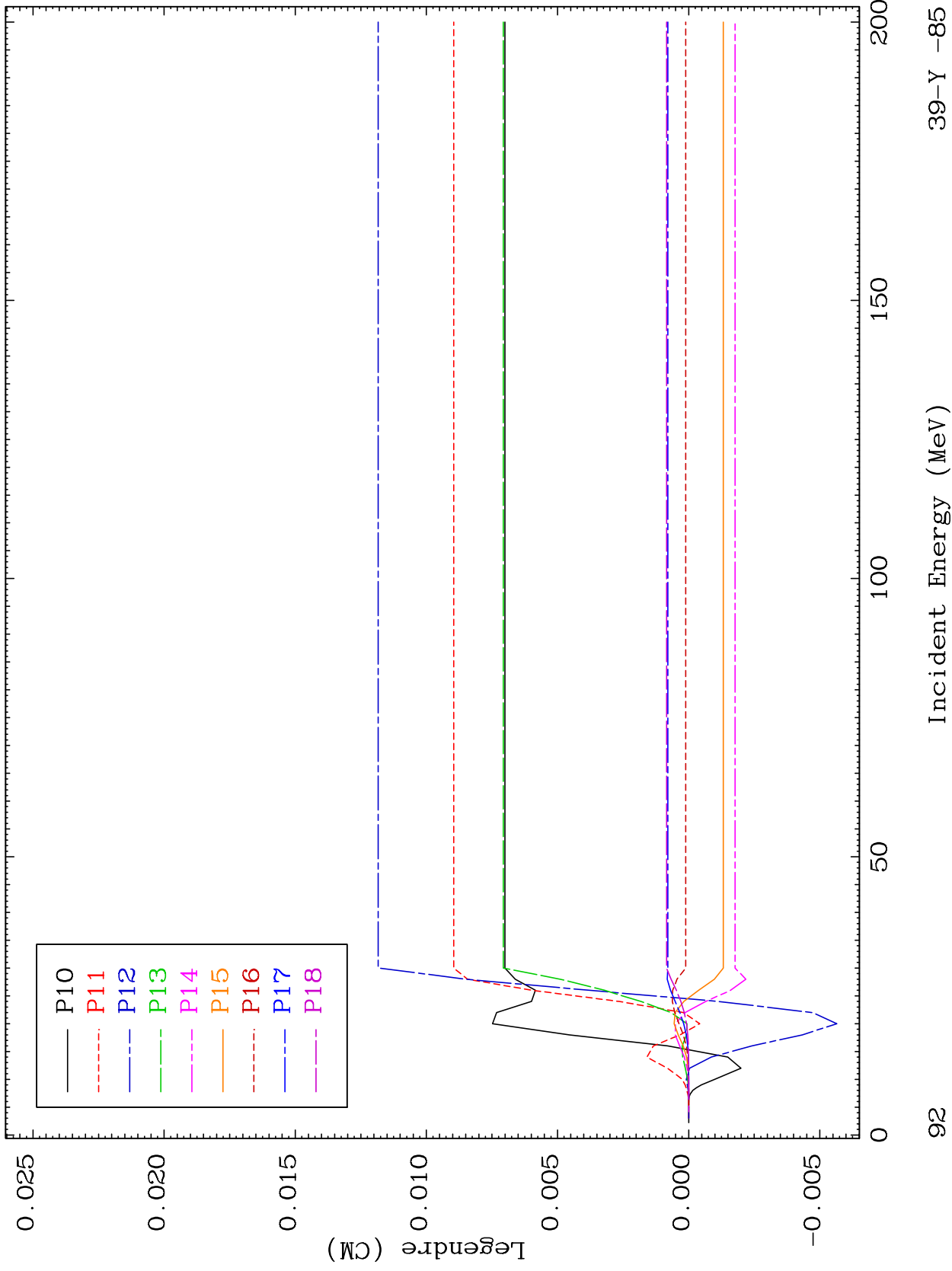
Incident Energy (MeV)

39-Y -85

MAT 3913

1.423 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



92

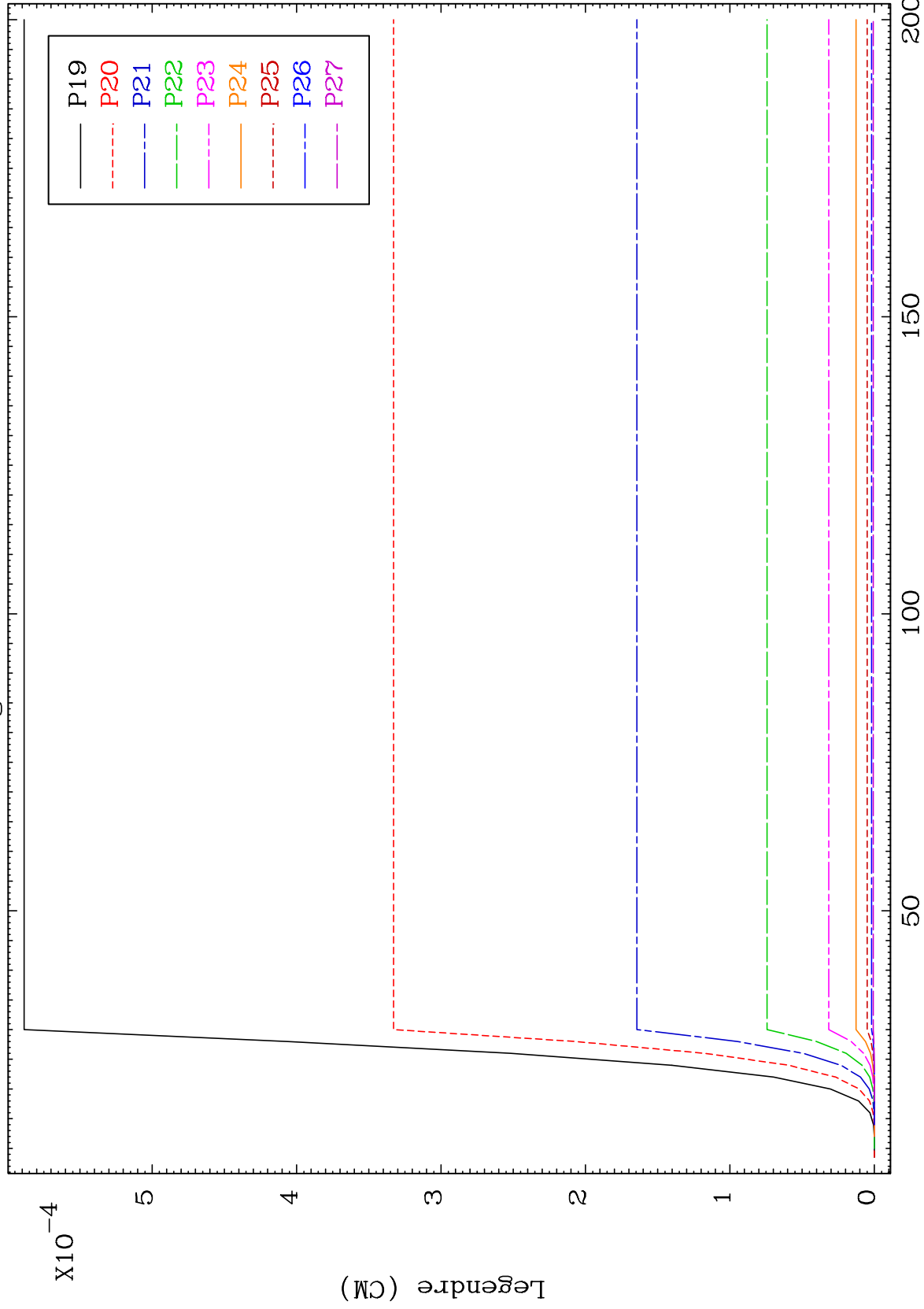
Incident Energy (MeV)

39-Y -85

MAT 3913

1.423 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



93

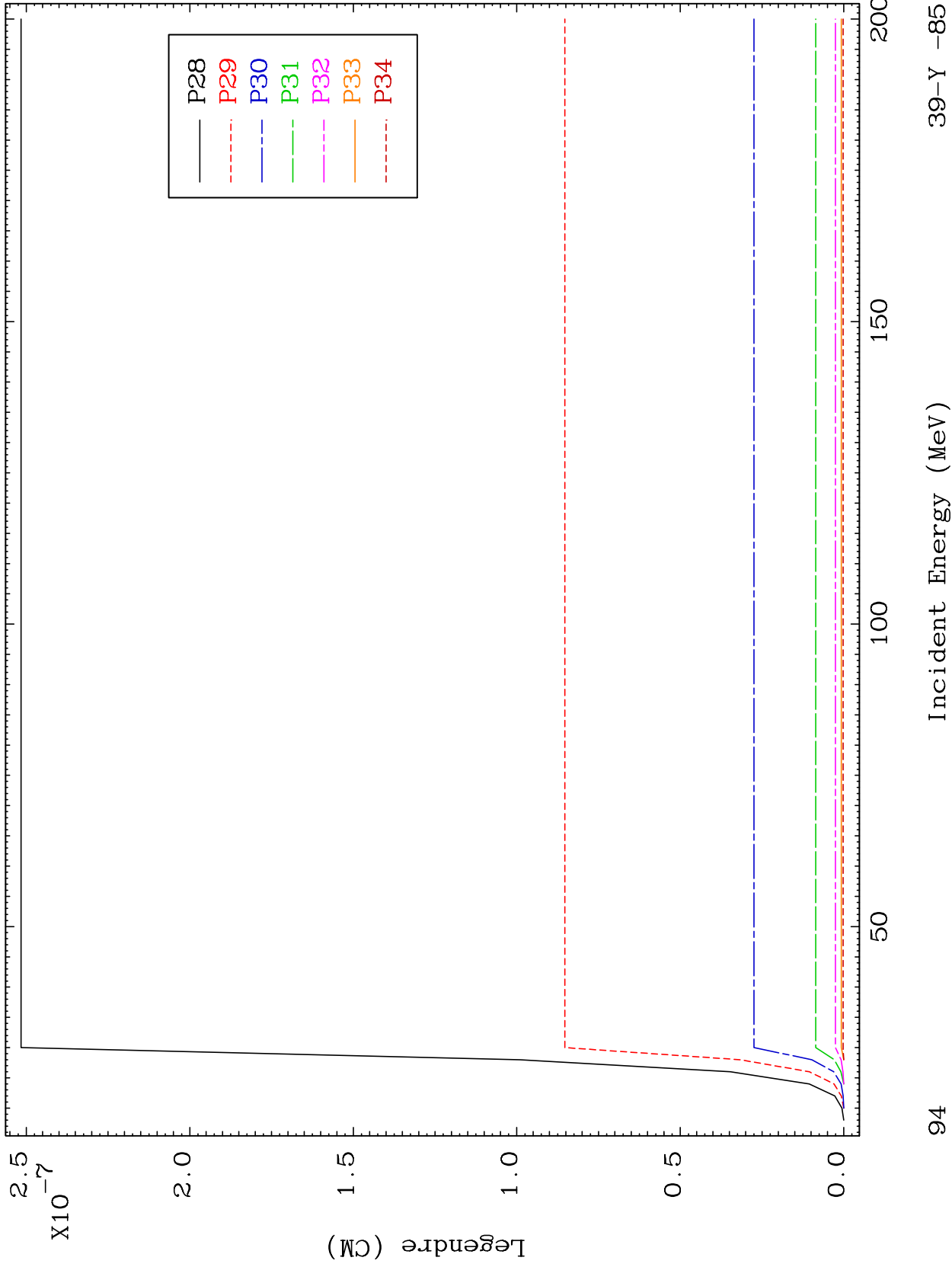
Incident Energy (MeV)

39-Y -85

MAT 3913

1.423 MeV (n,n') Level  
Legendre Coefficients

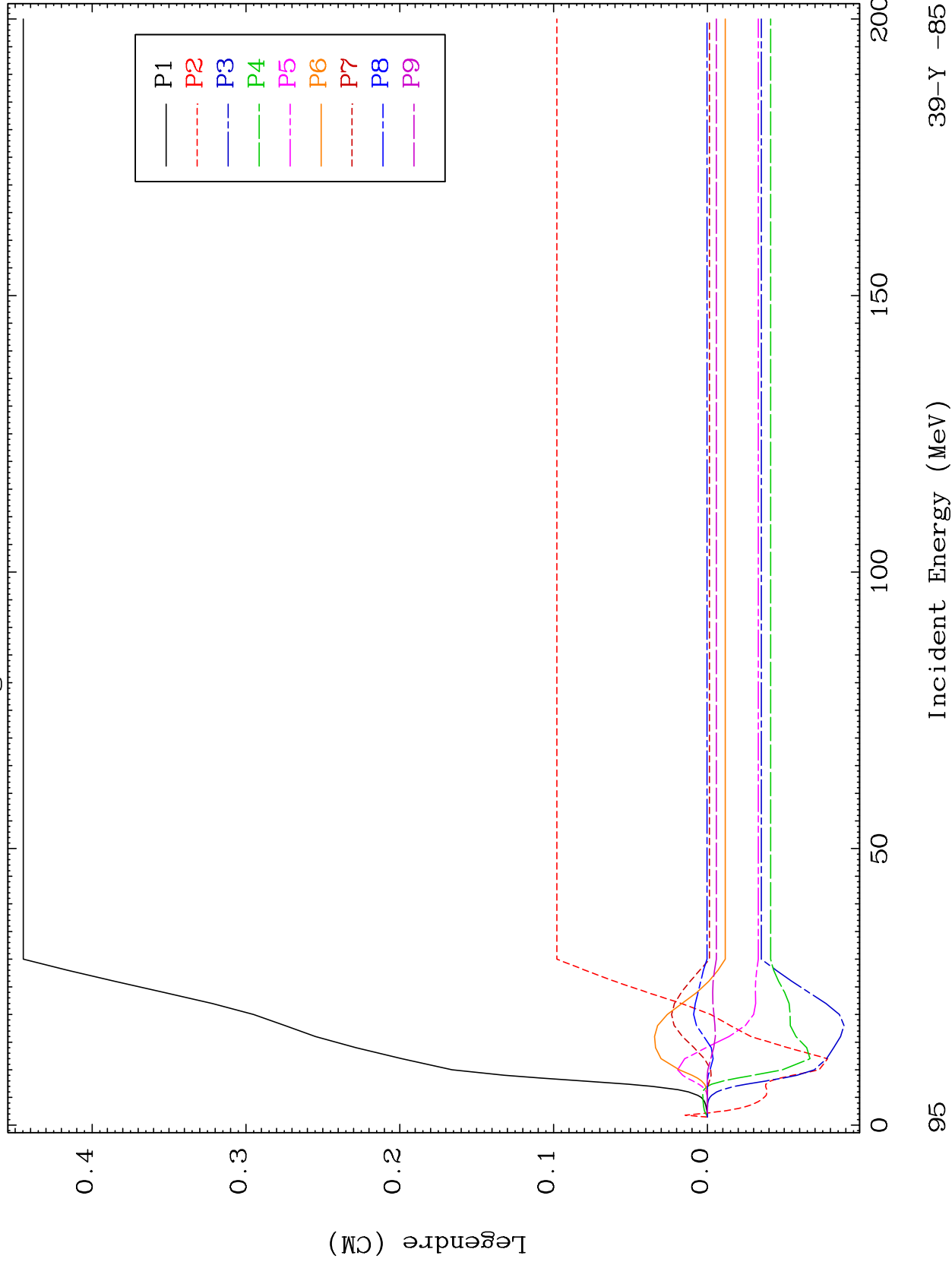
39-Y -85



MAT 3913

1.433 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



39-Y -85

Incident Energy (MeV)

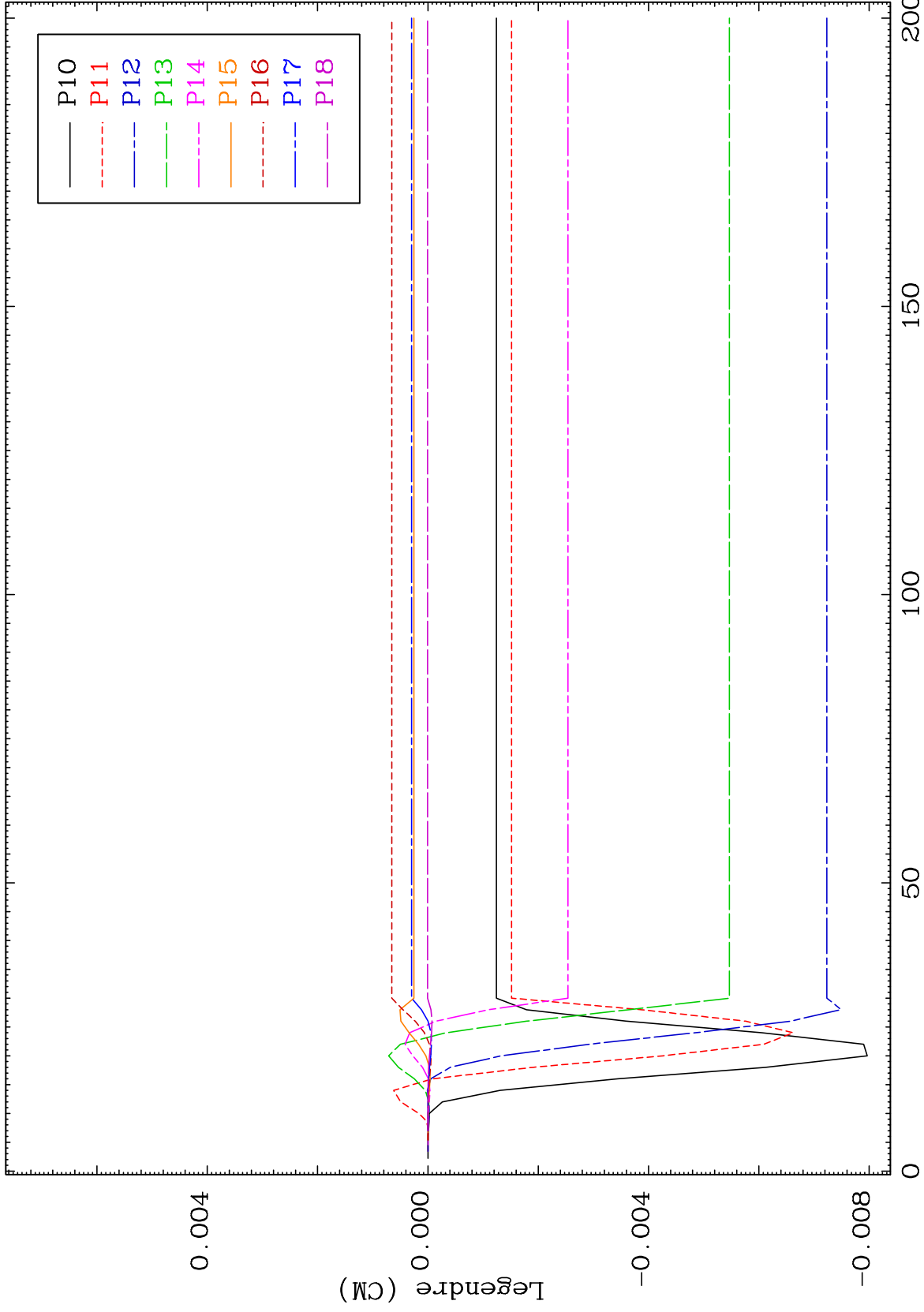
95



MAT 3913

1.433 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



96

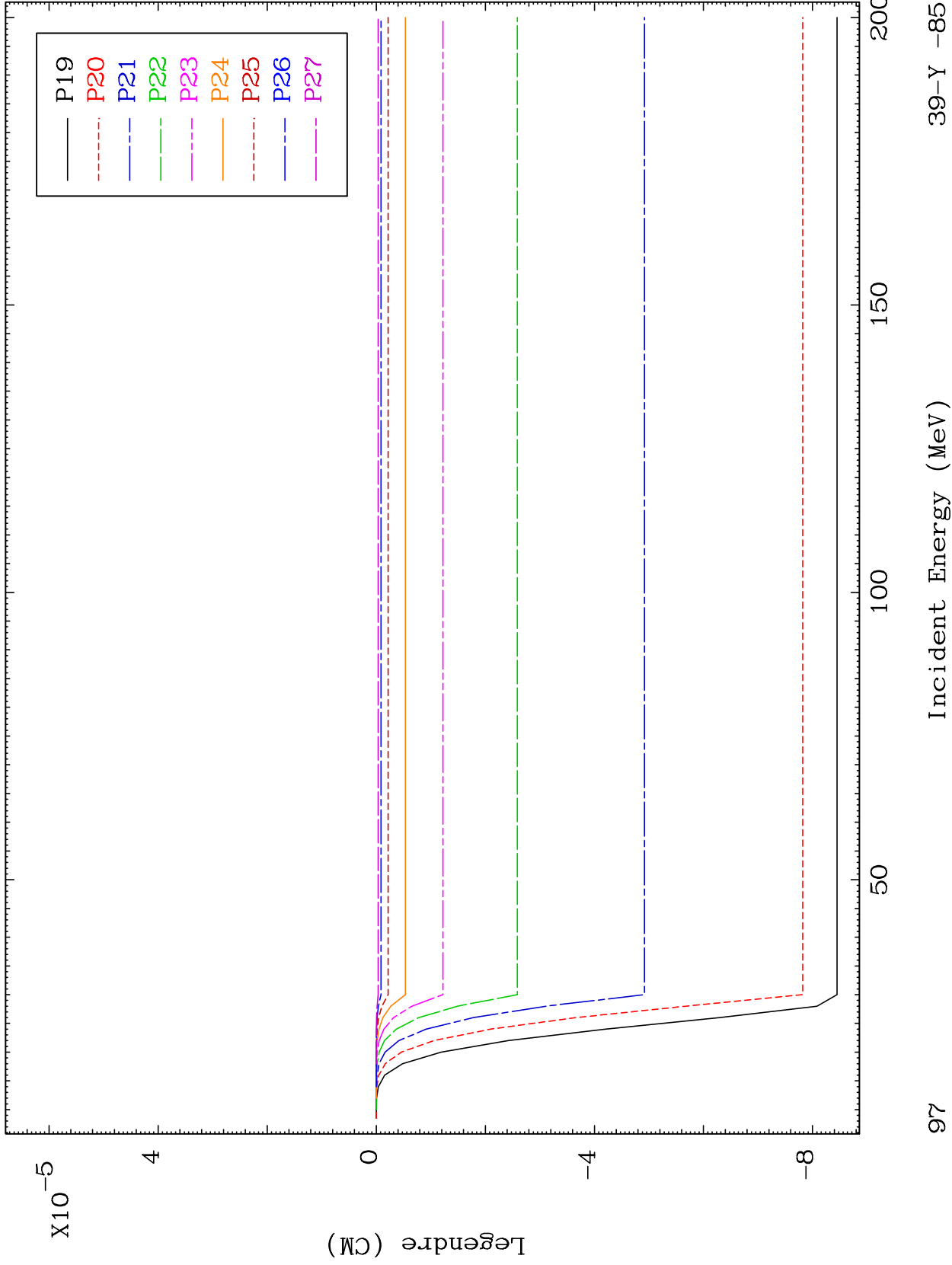
Incident Energy (MeV)

39-Y -85

MAT 3913

1.433 MeV (n,n') Level  
Legendre Coefficients

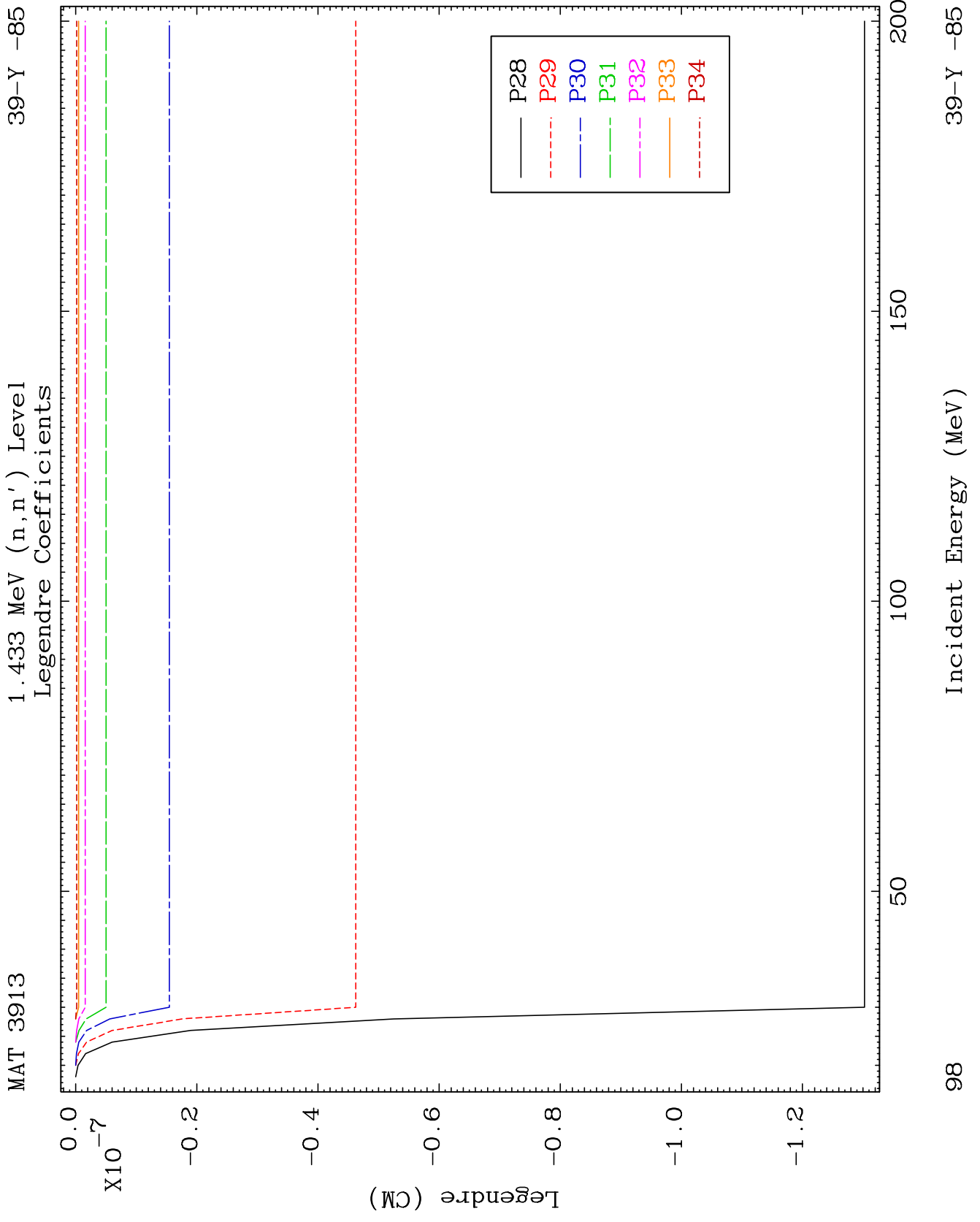
39-Y -85

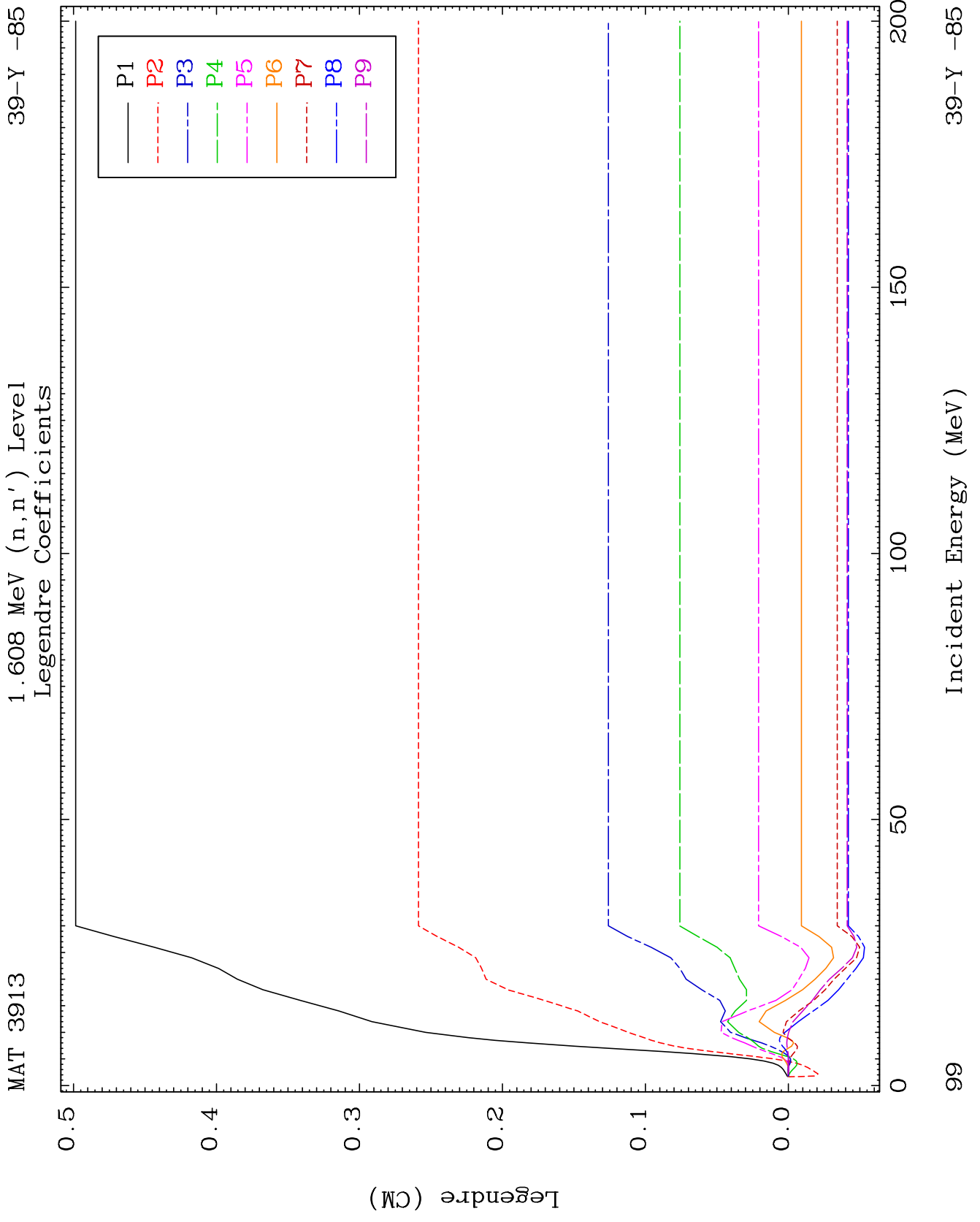


97

Incident Energy (MeV)

39-Y -85

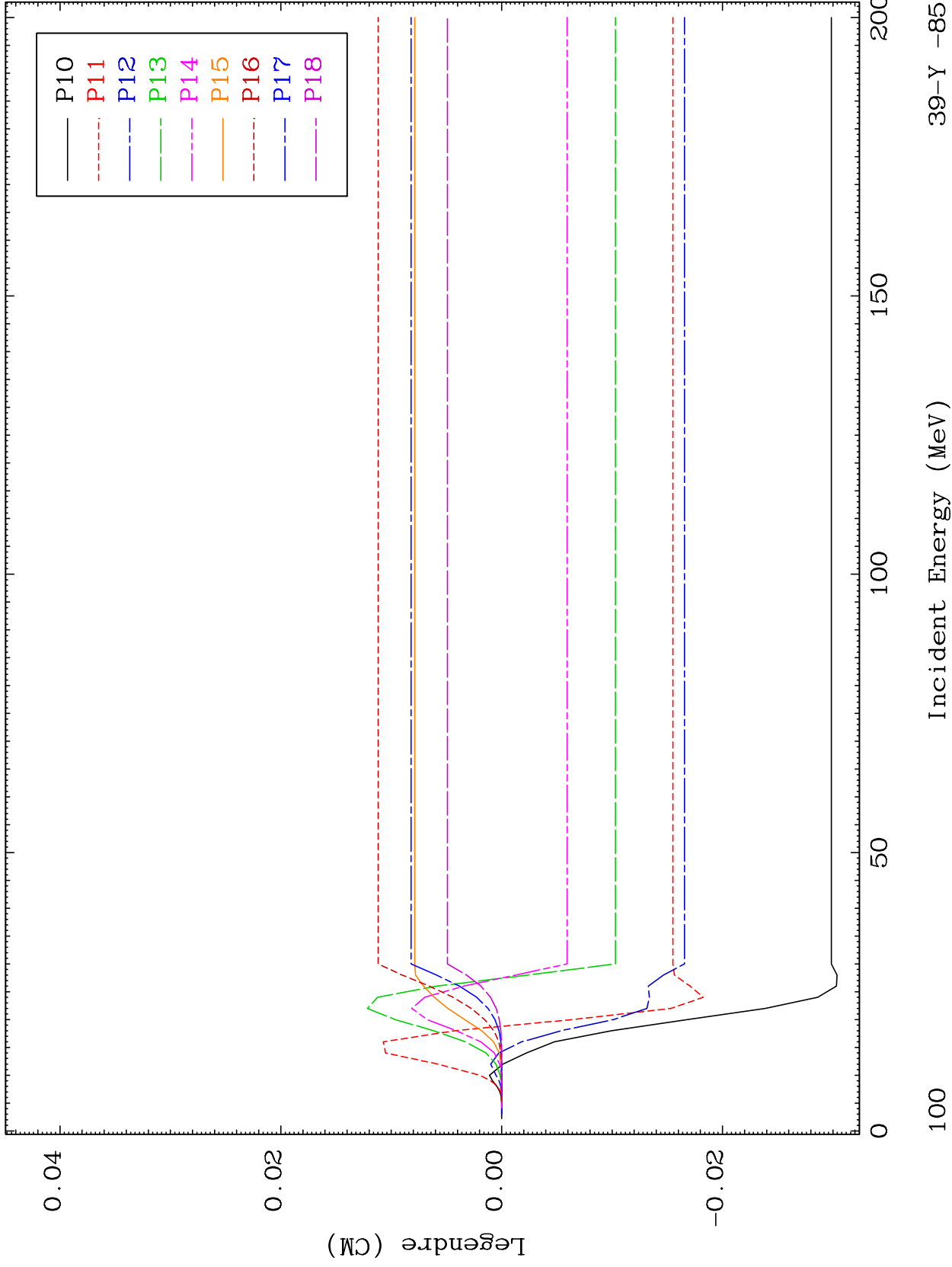


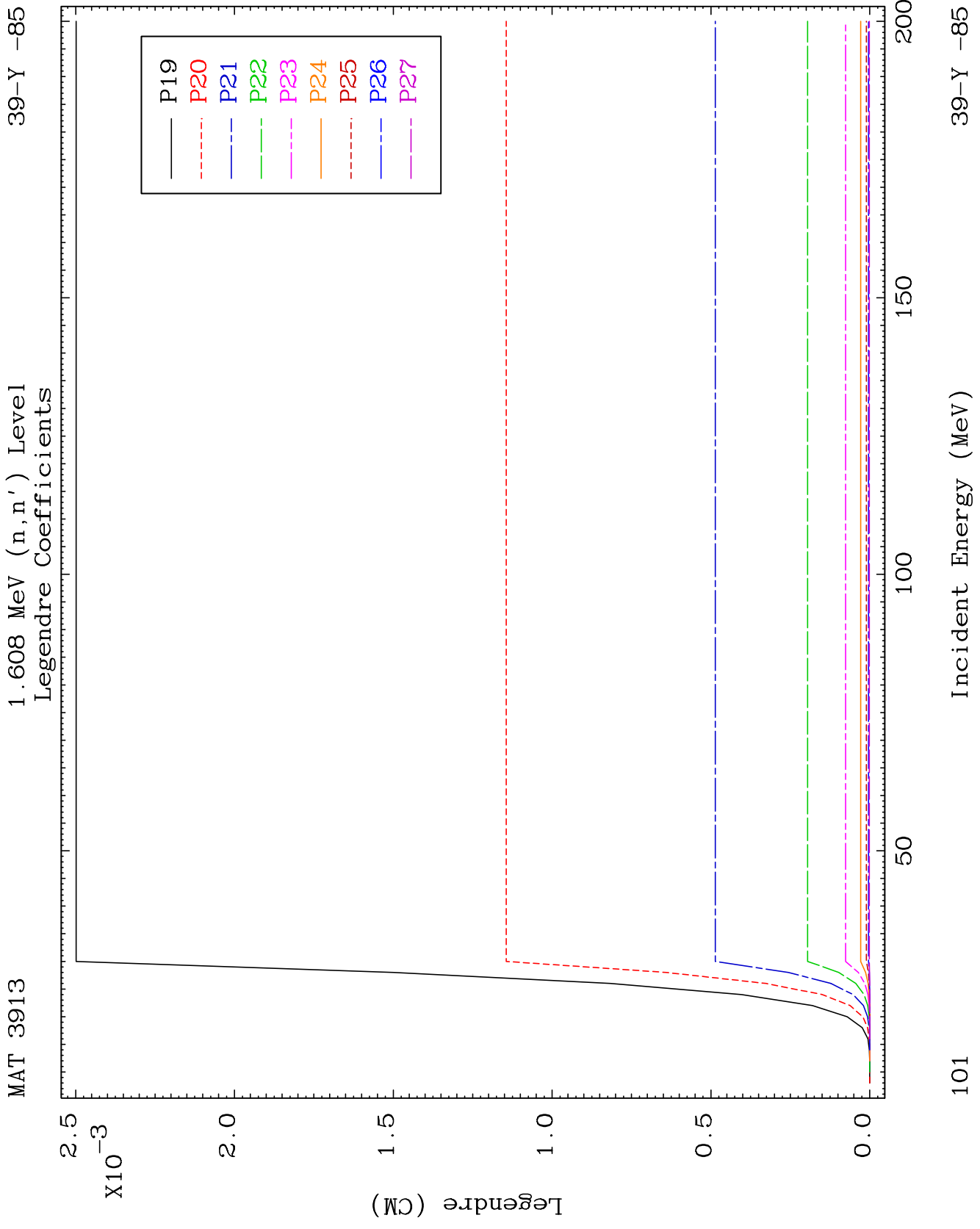


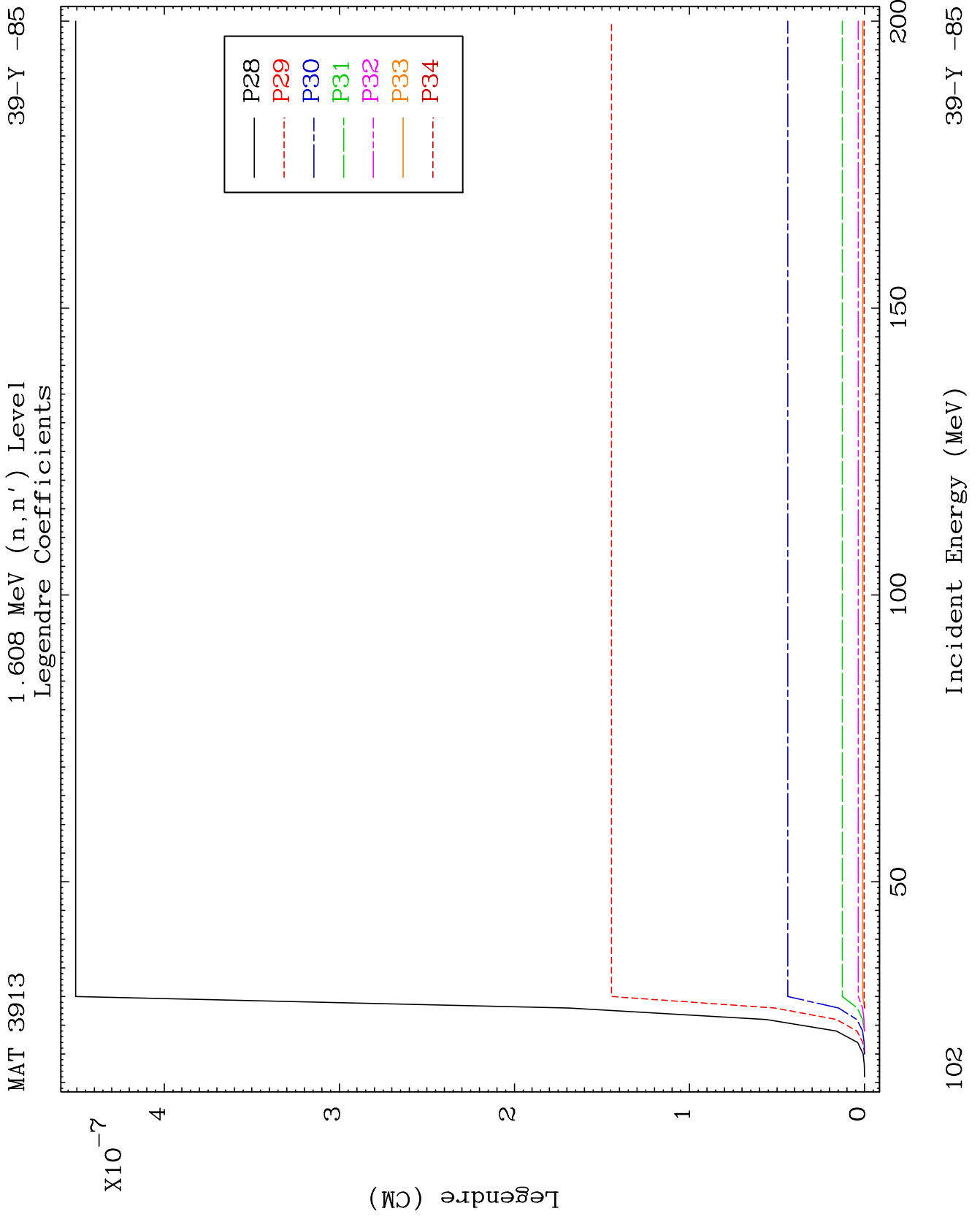
MAT 3913

1.608 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



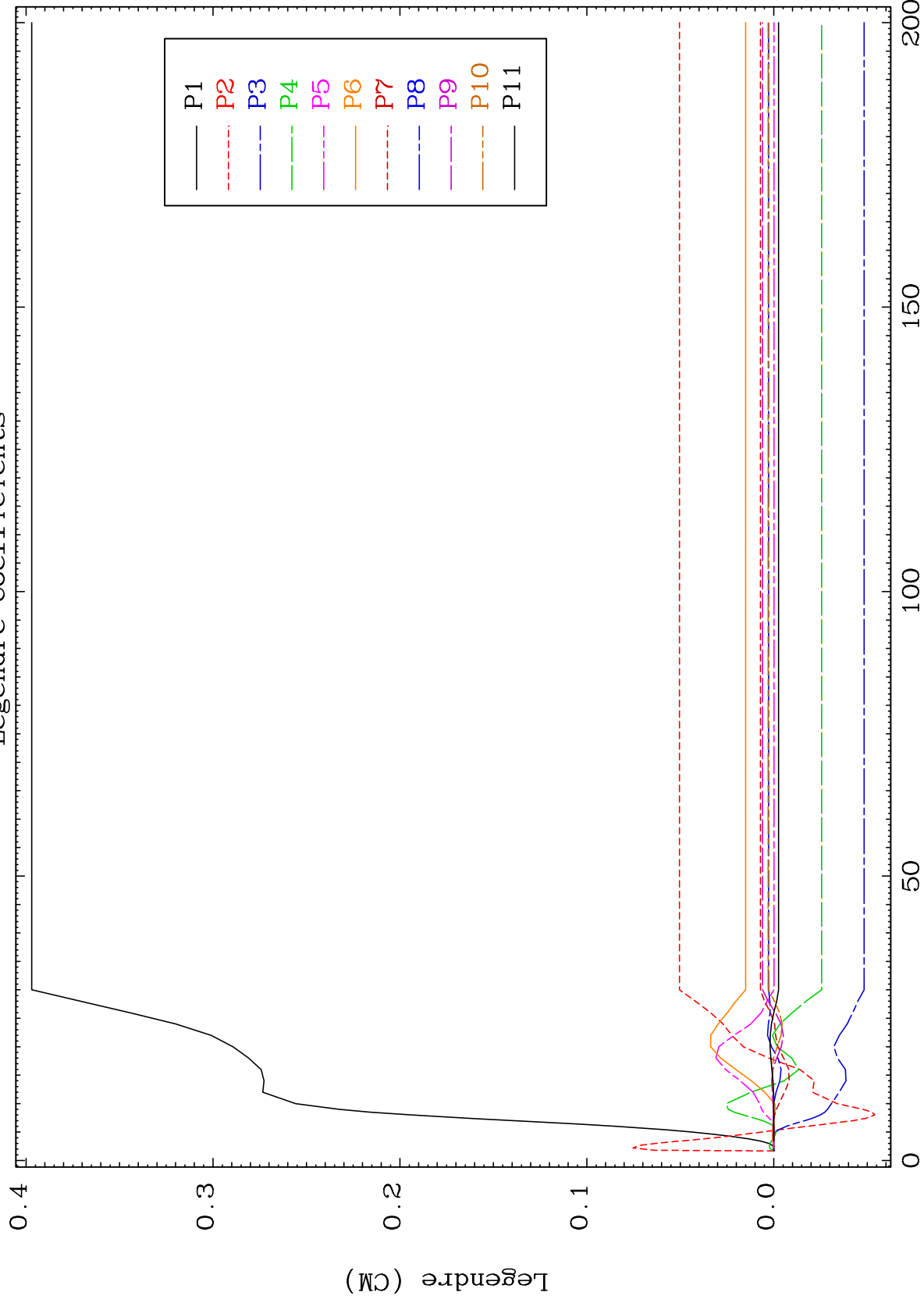




MAT 3913

1.648 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



Incident Energy (MeV)

39-Y -85

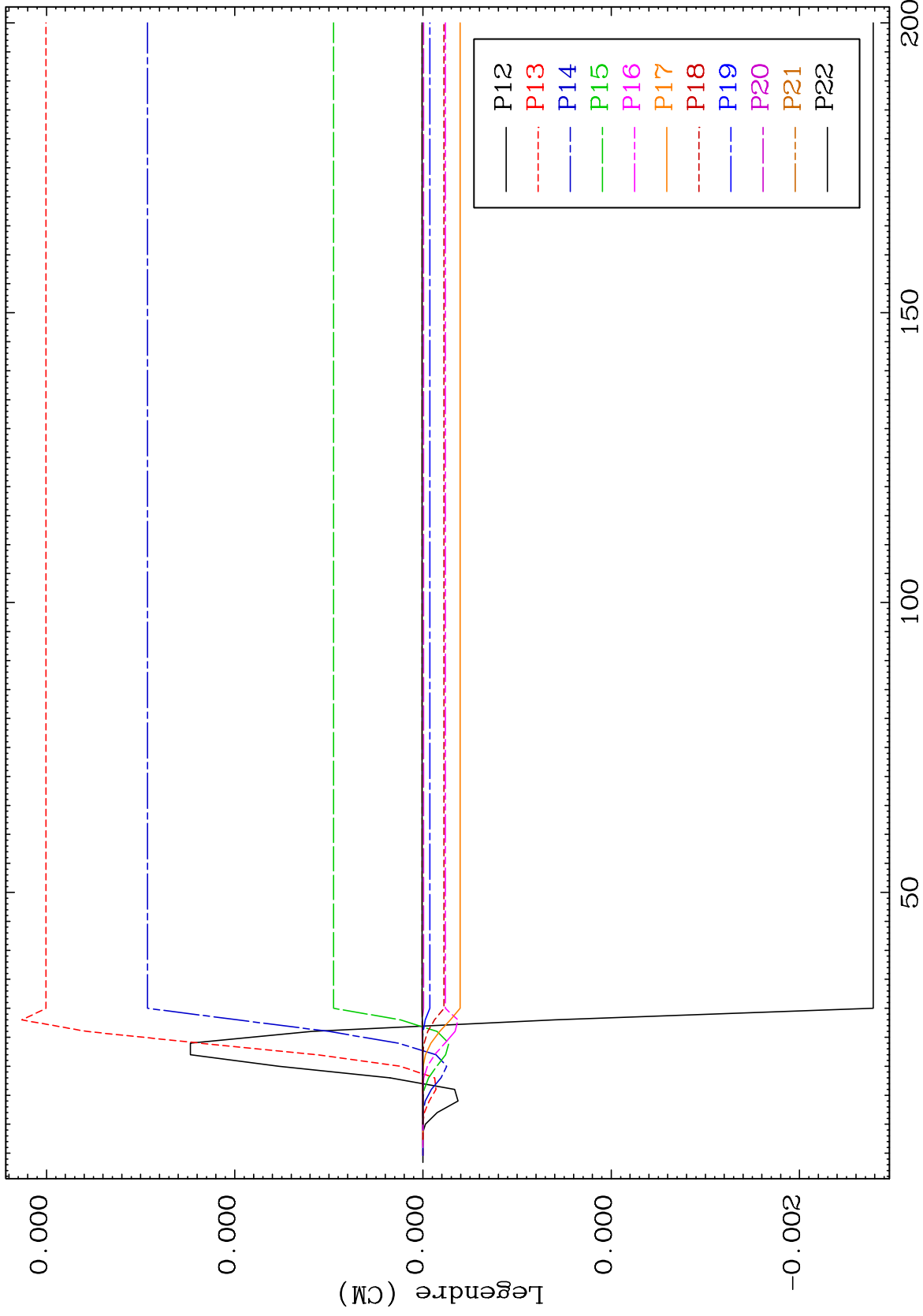
103



MAT 3913

1.648 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



104

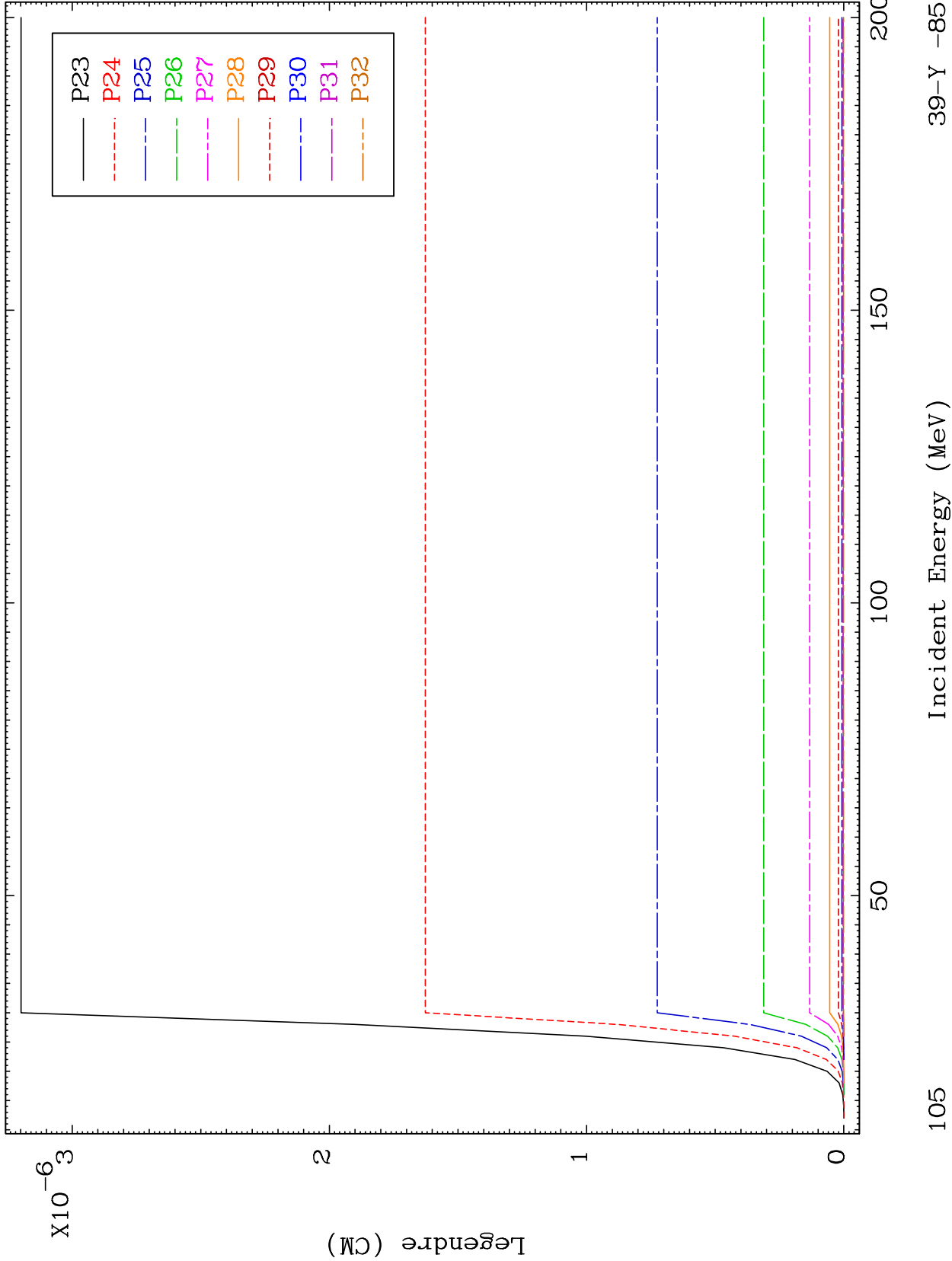
Incident Energy (MeV)

39-Y -85

MAT 3913

### 1.648 MeV (n,n') Level Legendre Coefficients

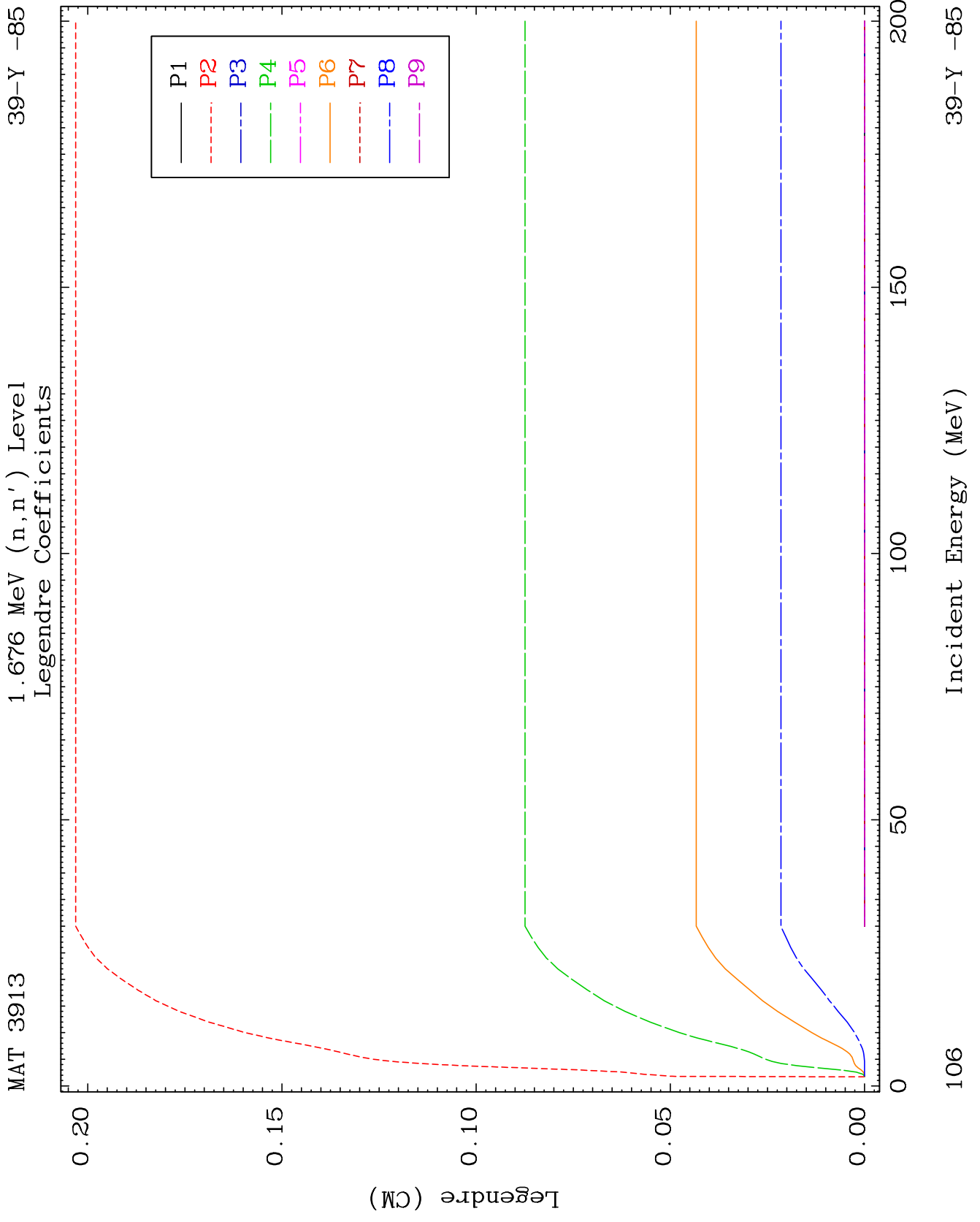
39-Y -85



105

Incident Energy (MeV)

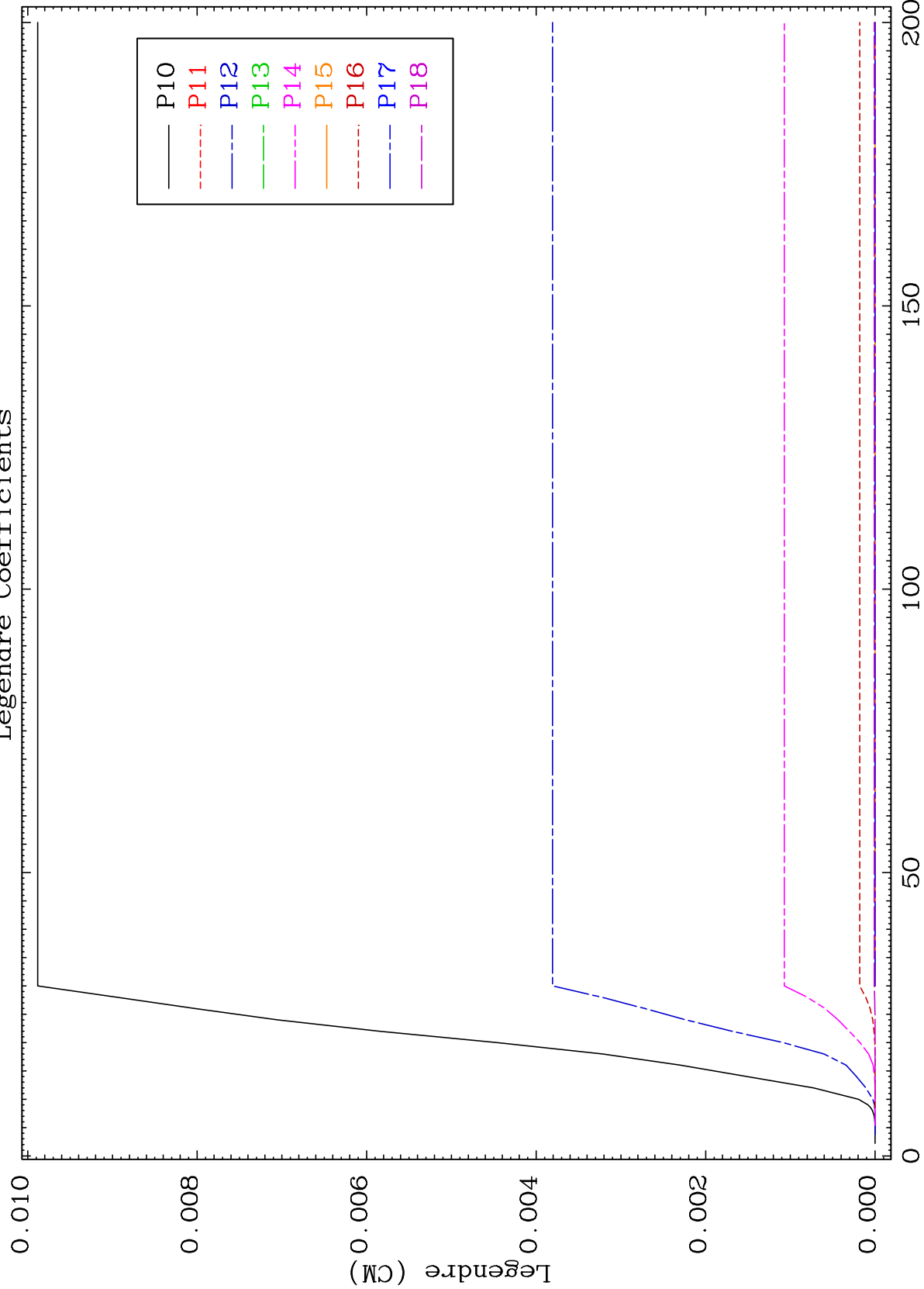
39-Y -85



MAT 3913

1.676 MeV (n,n') Level Legendre Coefficients

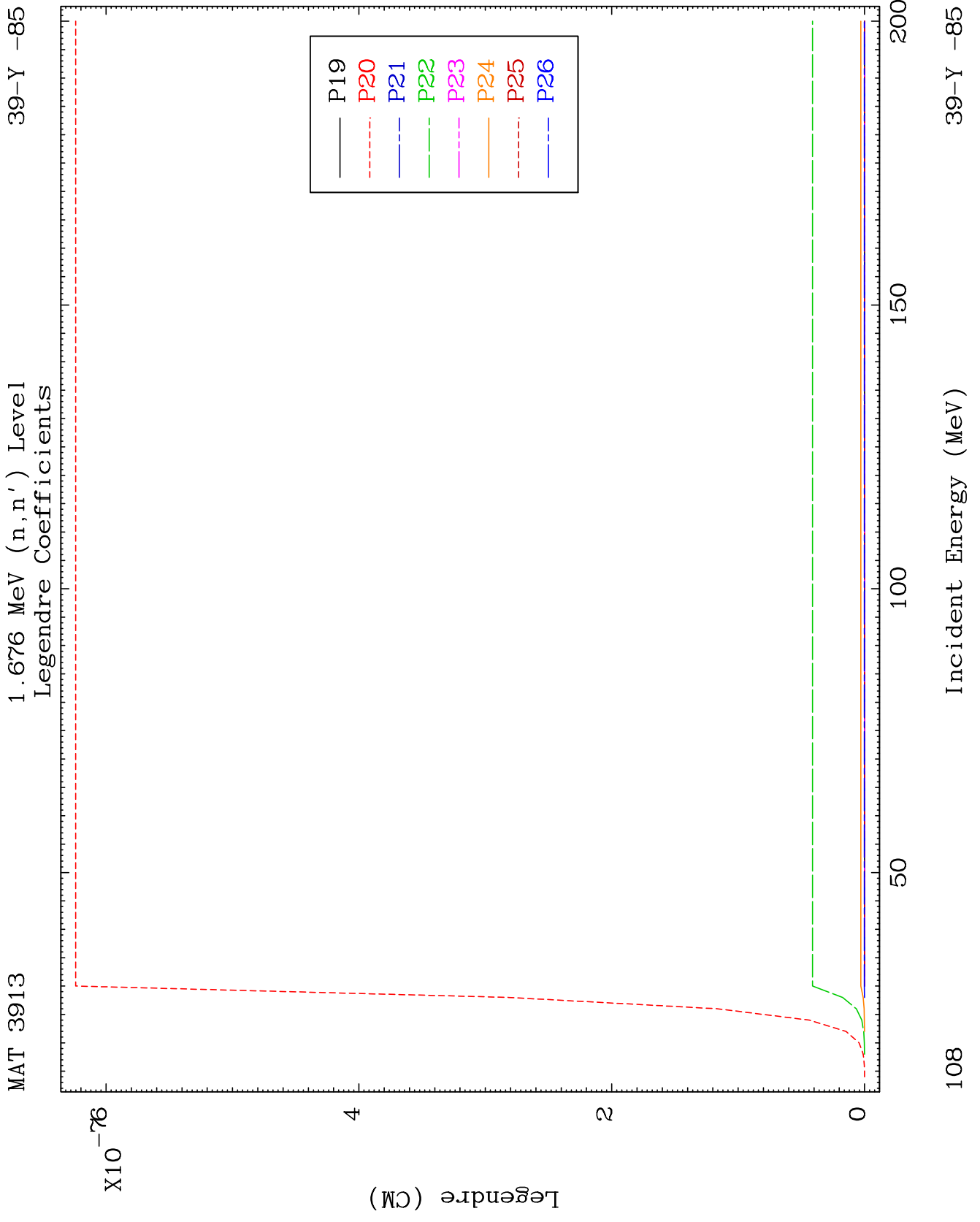
39-Y -85

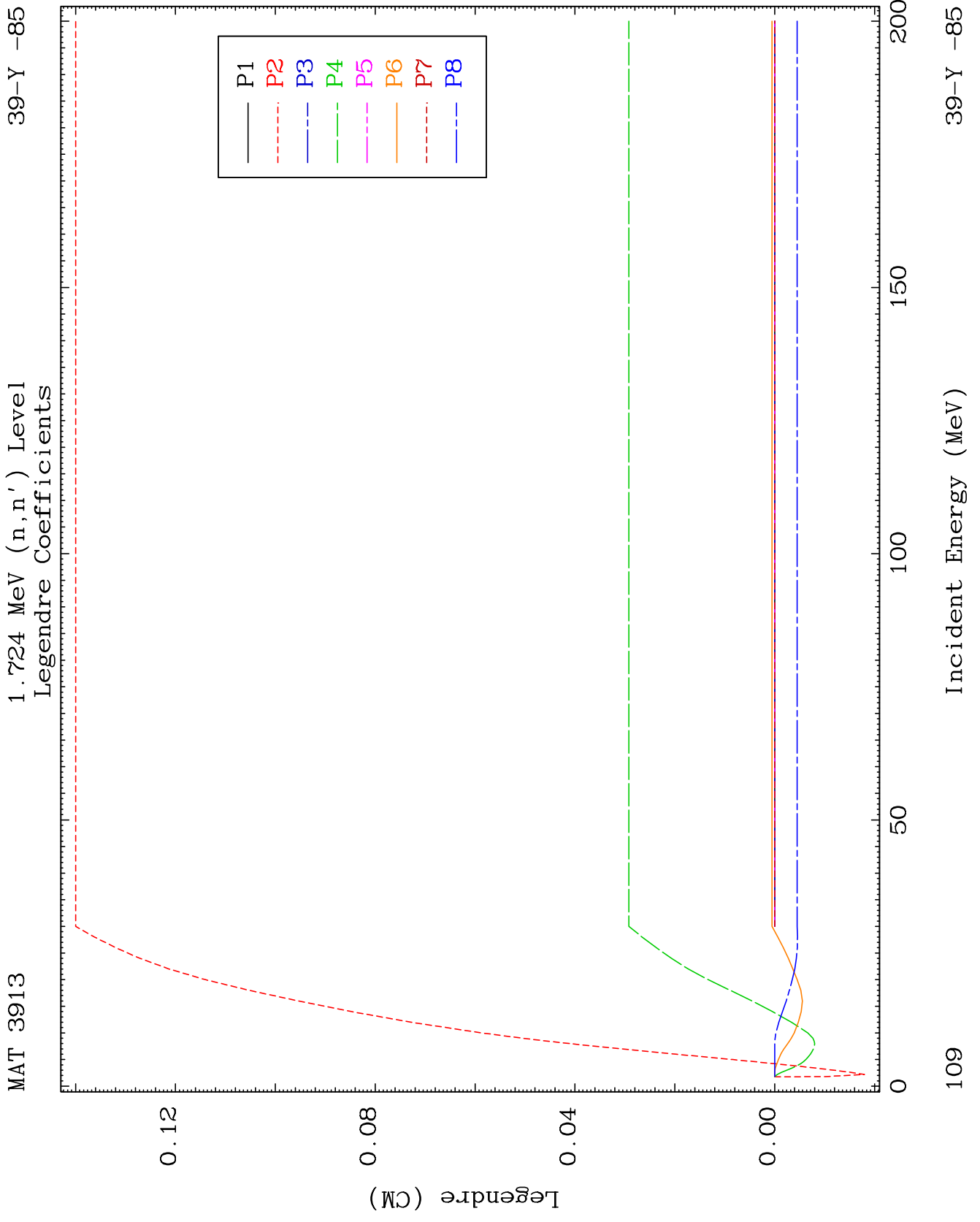


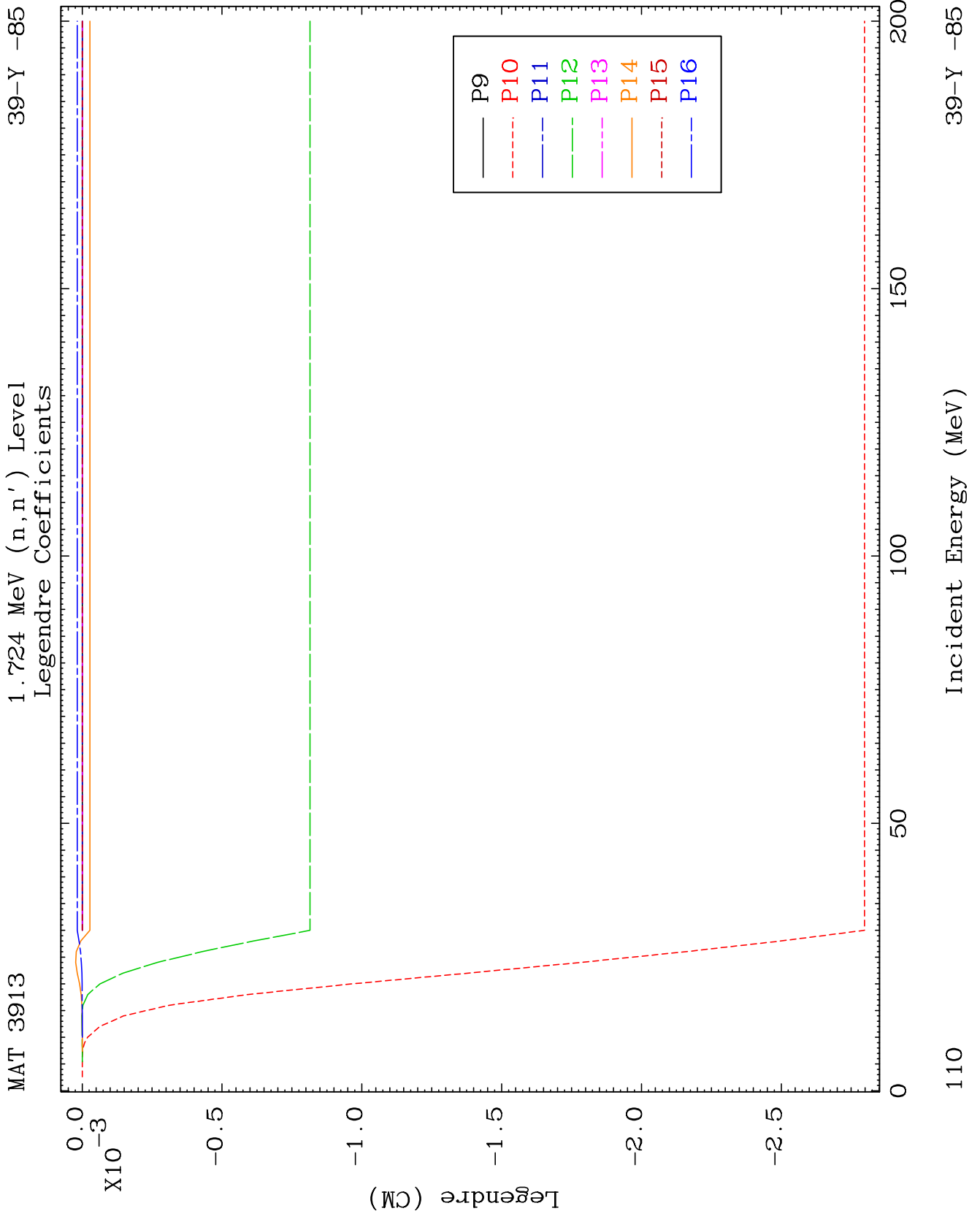
107

Incident Energy (MeV)

39-Y -85







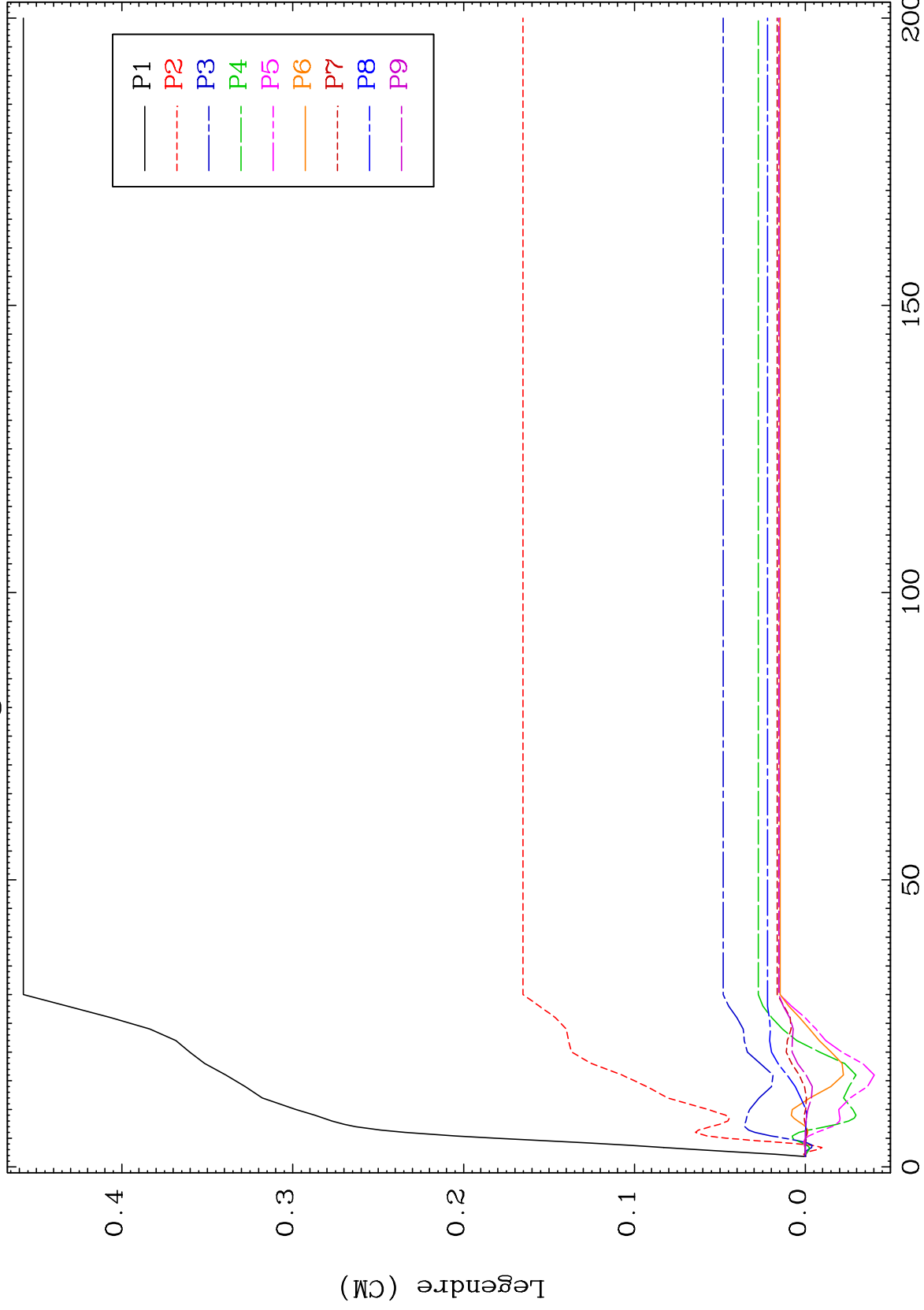




MAT 3913

1.776 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



Incident Energy (MeV)

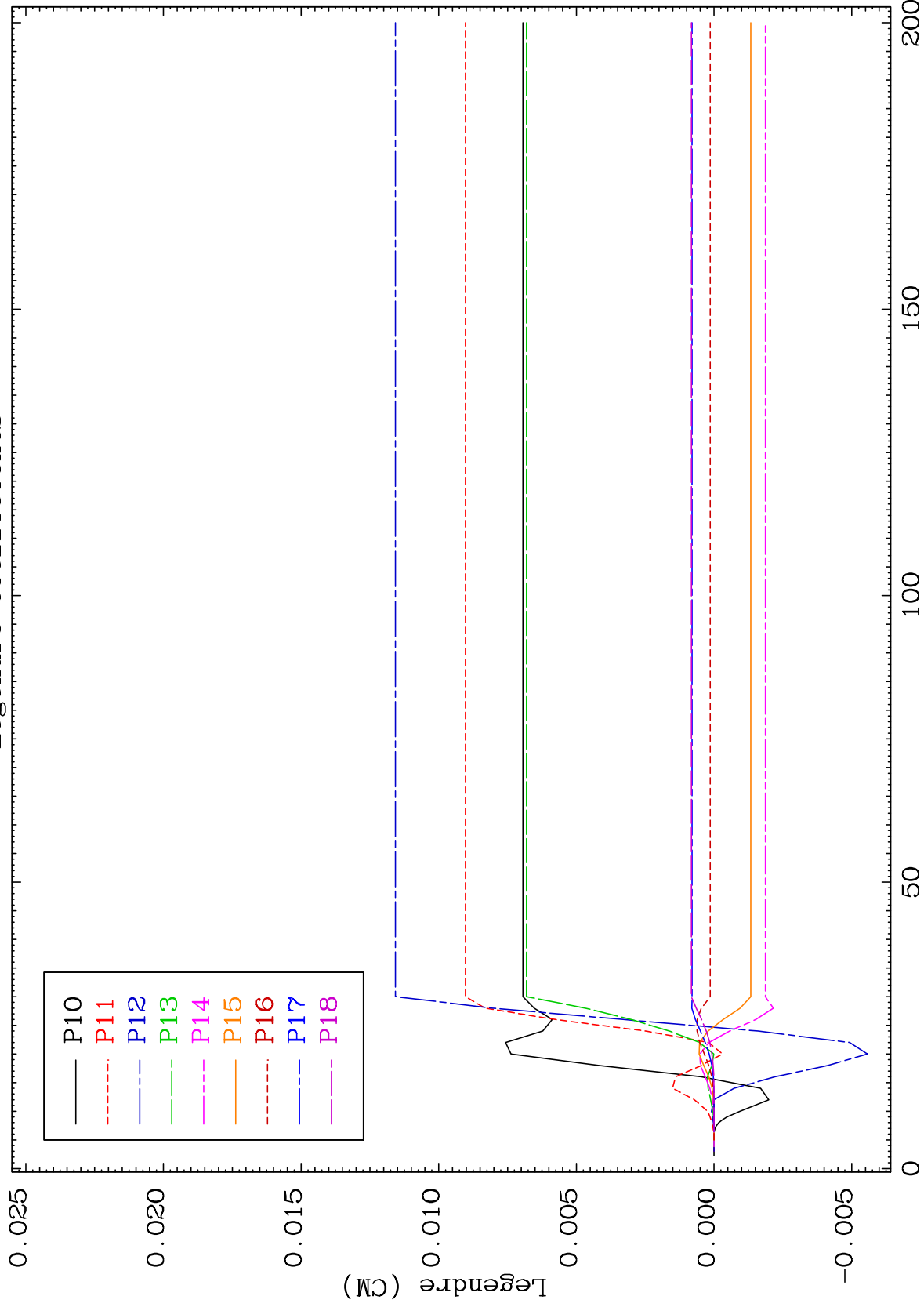
39-Y -85

112

MAT 3913

1.776 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



113

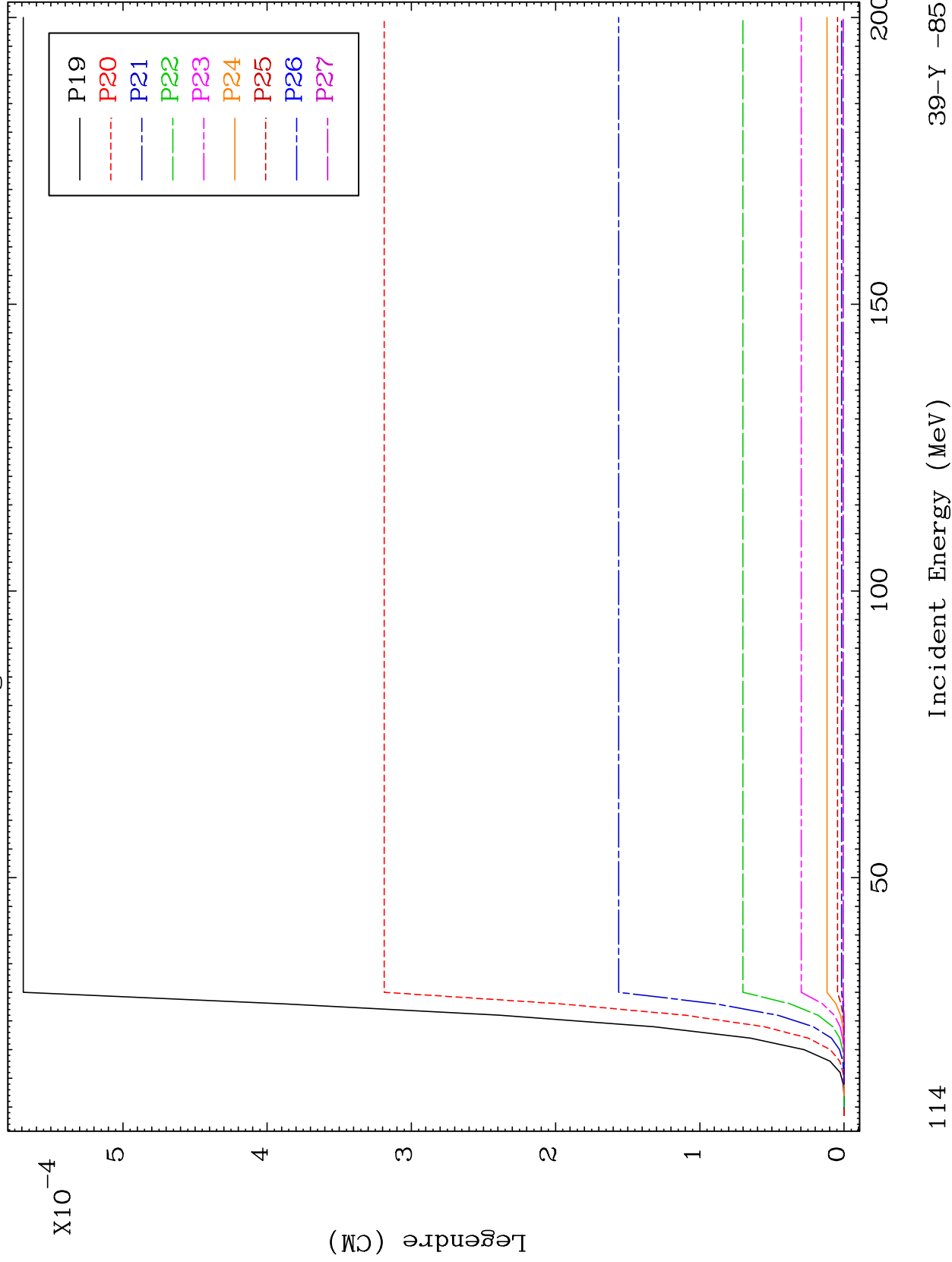
Incident Energy (MeV)

39-Y -85

MAT 3913

### 1.776 MeV (n,n') Level Legendre Coefficients

39-Y -85



114

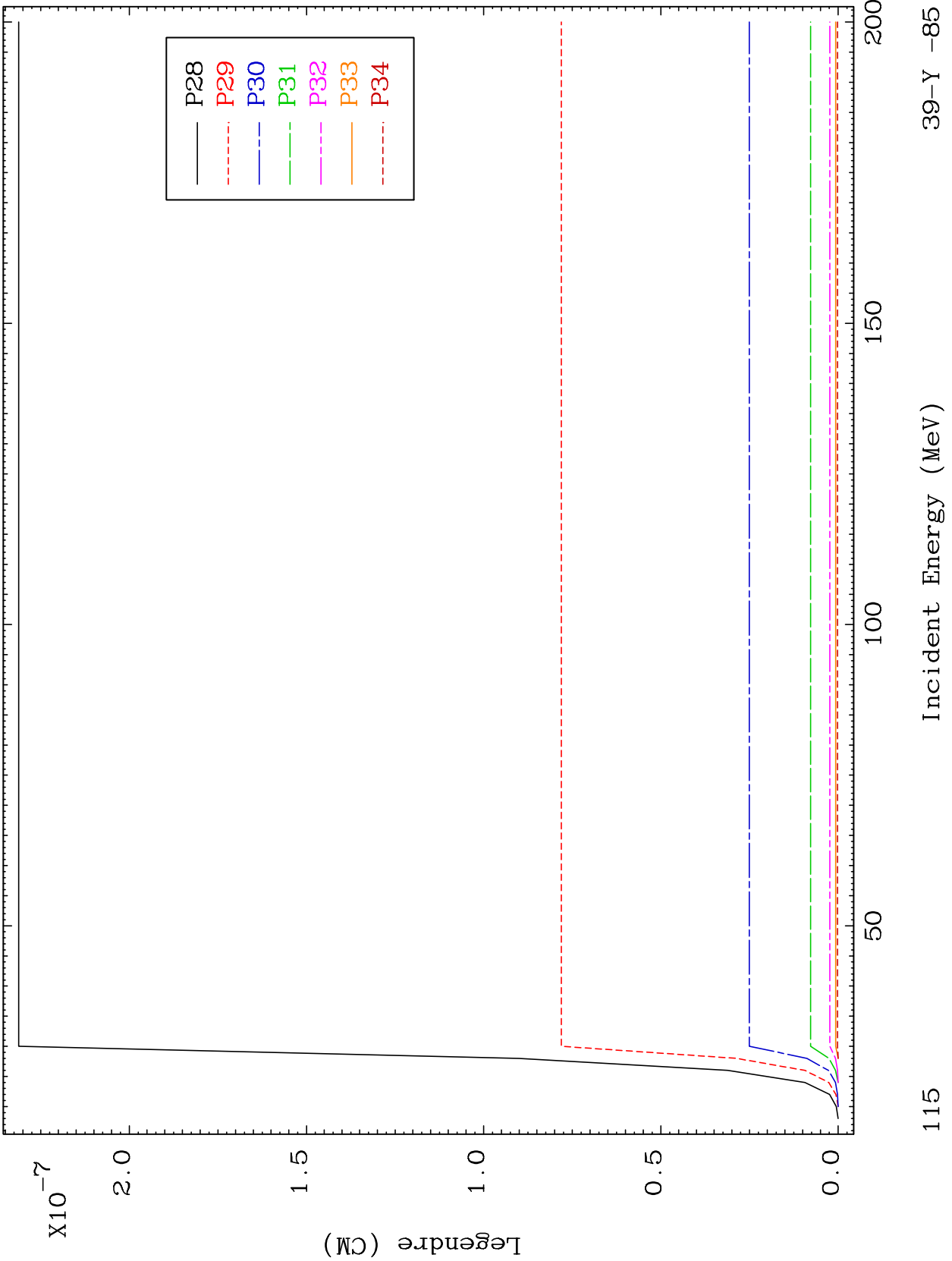
Incident Energy (MeV)

39-Y -85

MAT 3913

1.776 MeV (n,n') Level  
Legendre Coefficients

39-Y -85



115

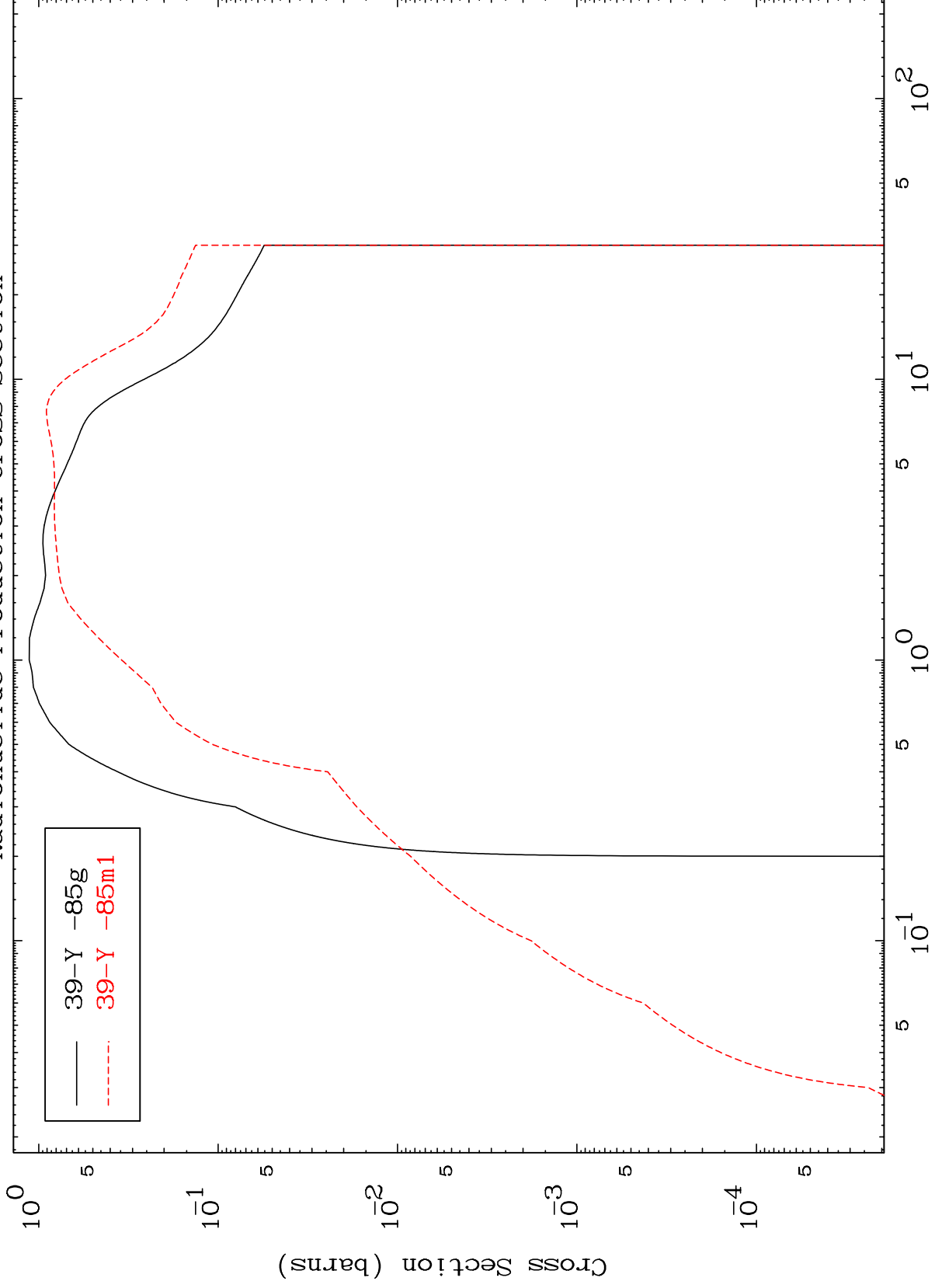
Incident Energy (MeV)

39-Y -85

MAT 3913

39-Y -85

Inelastic  
Radionuclide Production Cross Section



39-Y -85g  
39-Y -85m1

116

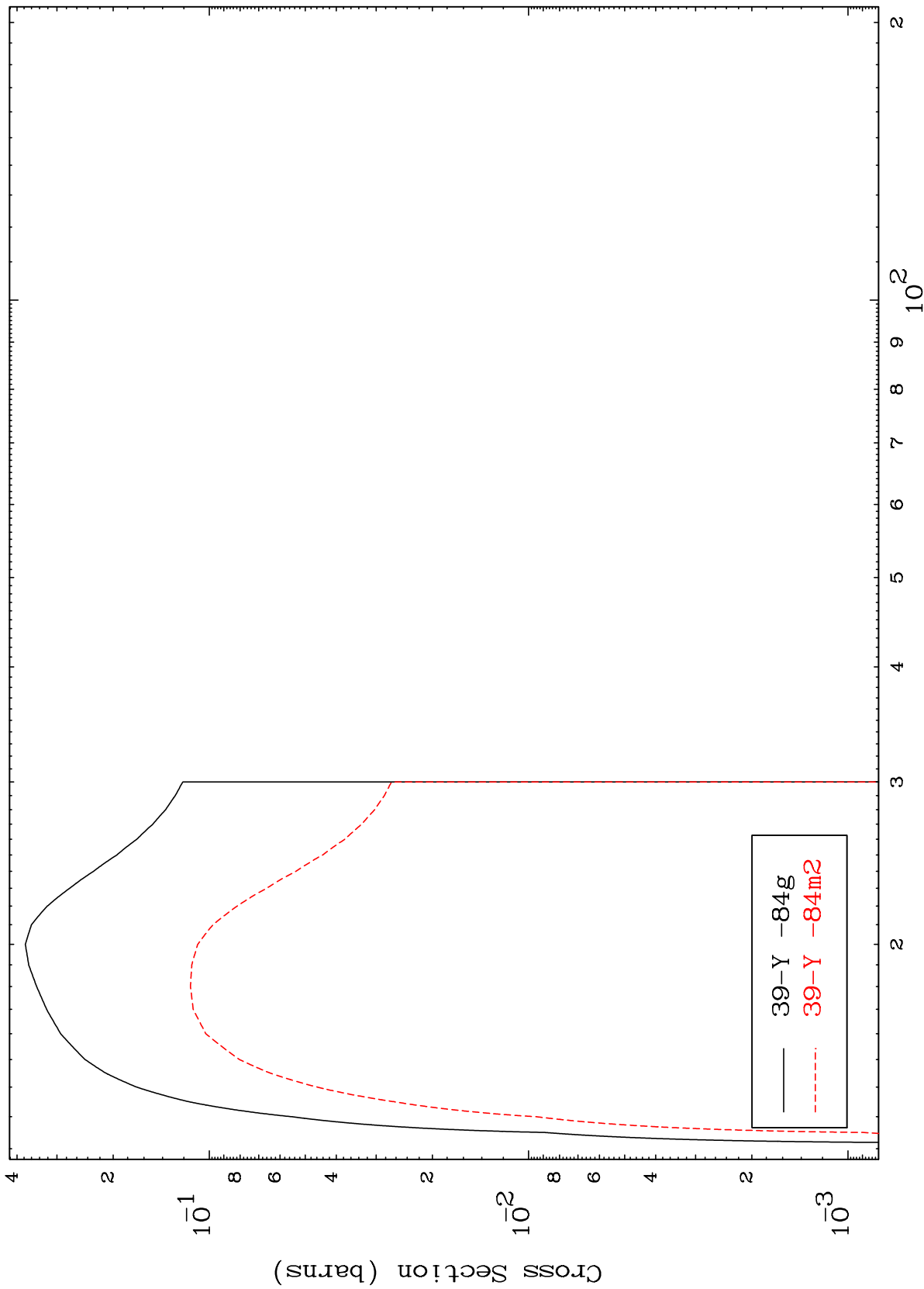
Incident Energy (MeV)

39-Y -85

MAT 3913

39-Y -85

Radionuclide Production Cross Section  
(n,2n)



117

Incident Energy (MeV)

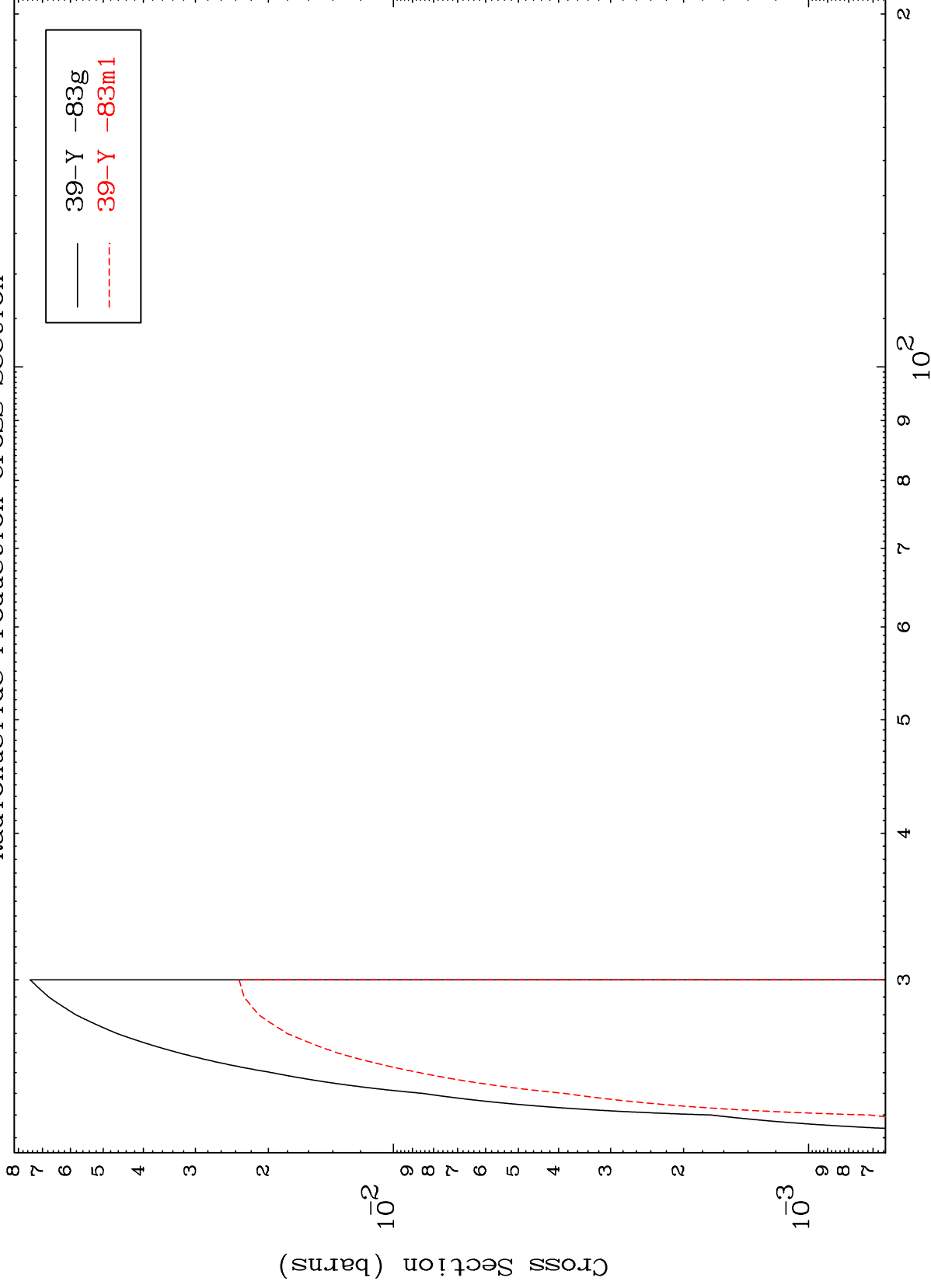
39-Y -85

MAT 3913

(n,3n)

39-Y -85

Radionuclide Production Cross Section



118

Incident Energy (MeV)

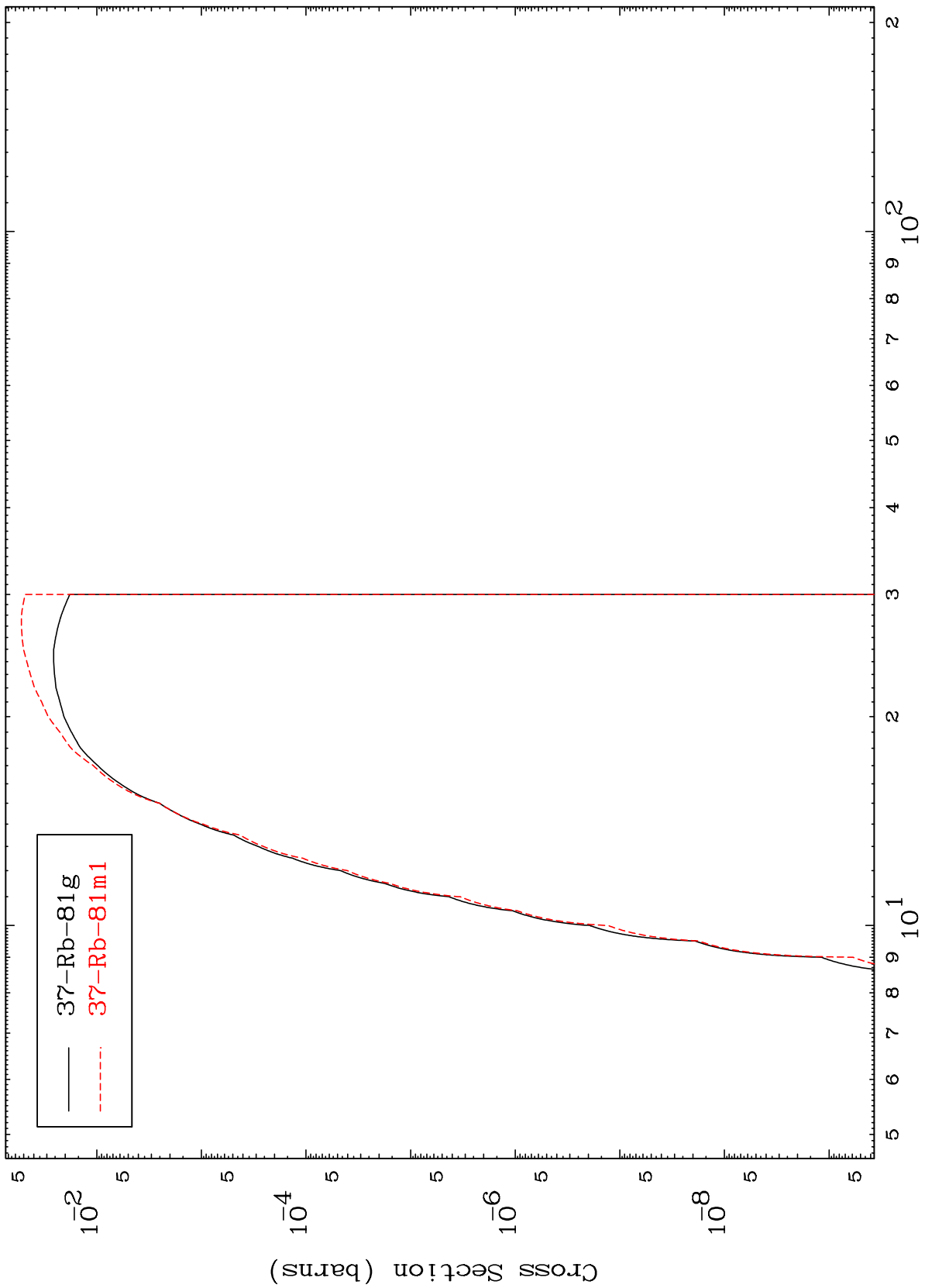
39-Y -85

MAT 3913

$(n, n') \alpha$

39-Y -85

Radionuclide Production Cross Section



119

Incident Energy (MeV)

39-Y -85

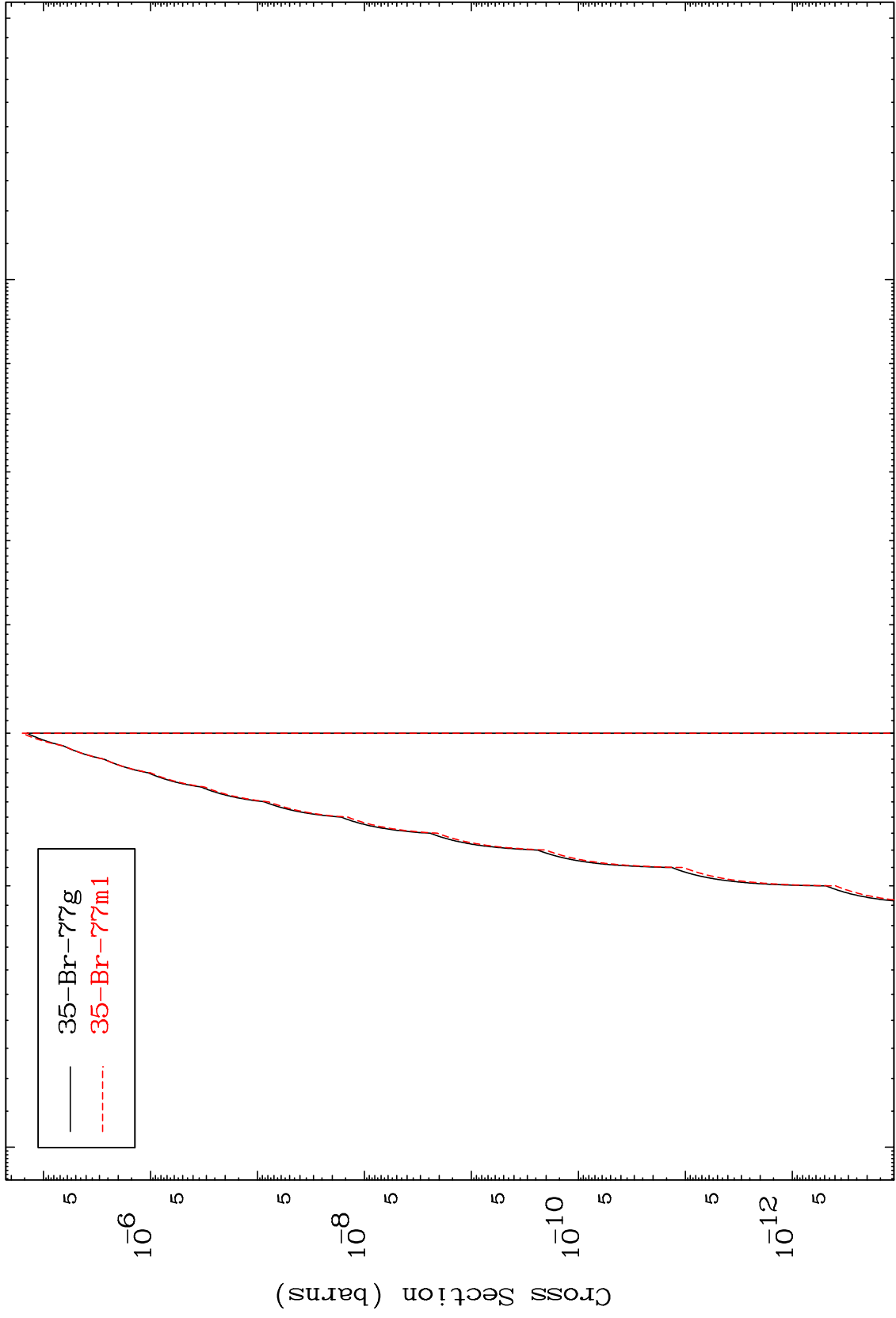


MAT 3913

(n,n') 2α

39-Y -85

Radionuclide Production Cross Section



10<sup>2</sup>

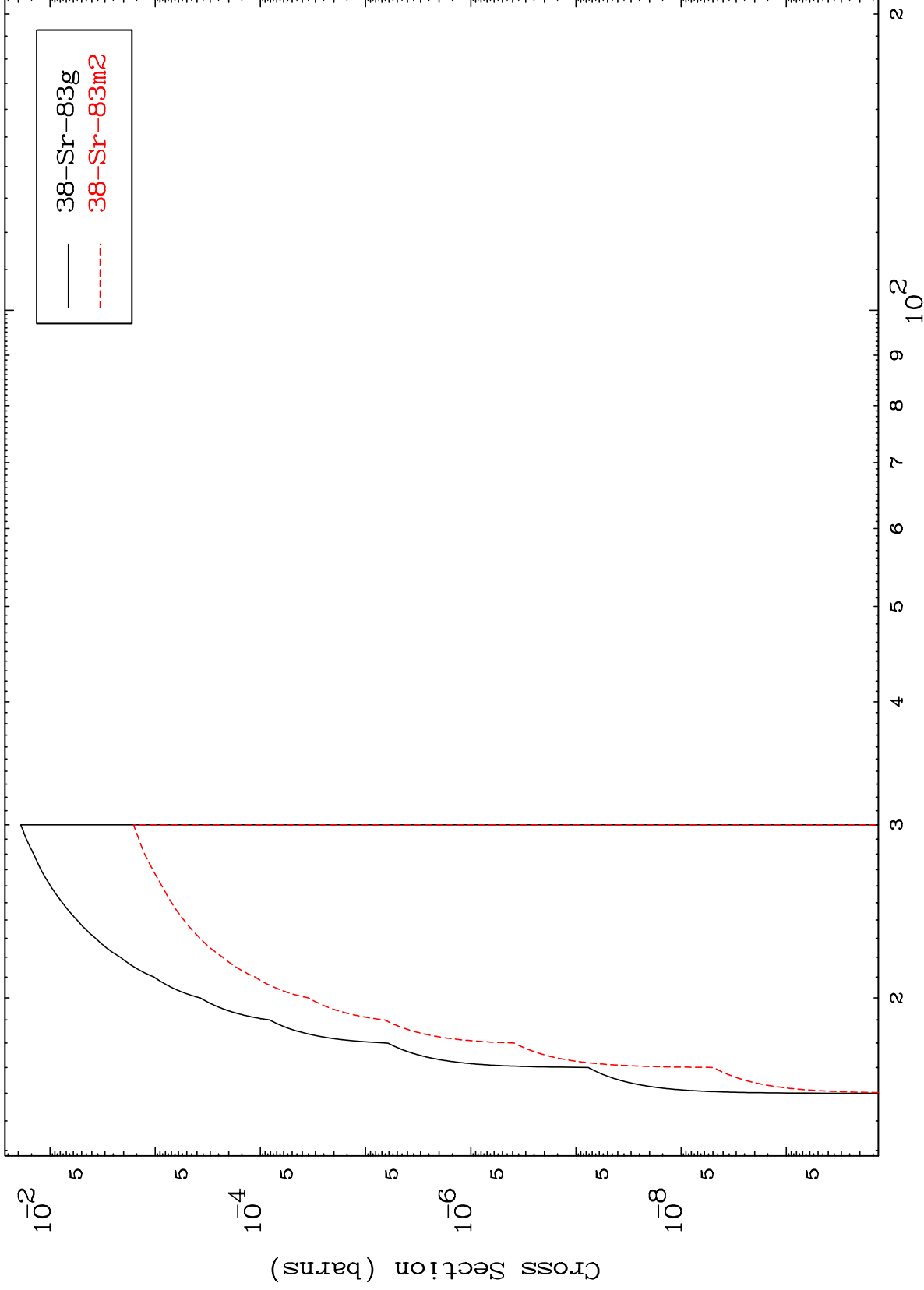
10<sup>1</sup>

Incident Energy (MeV)

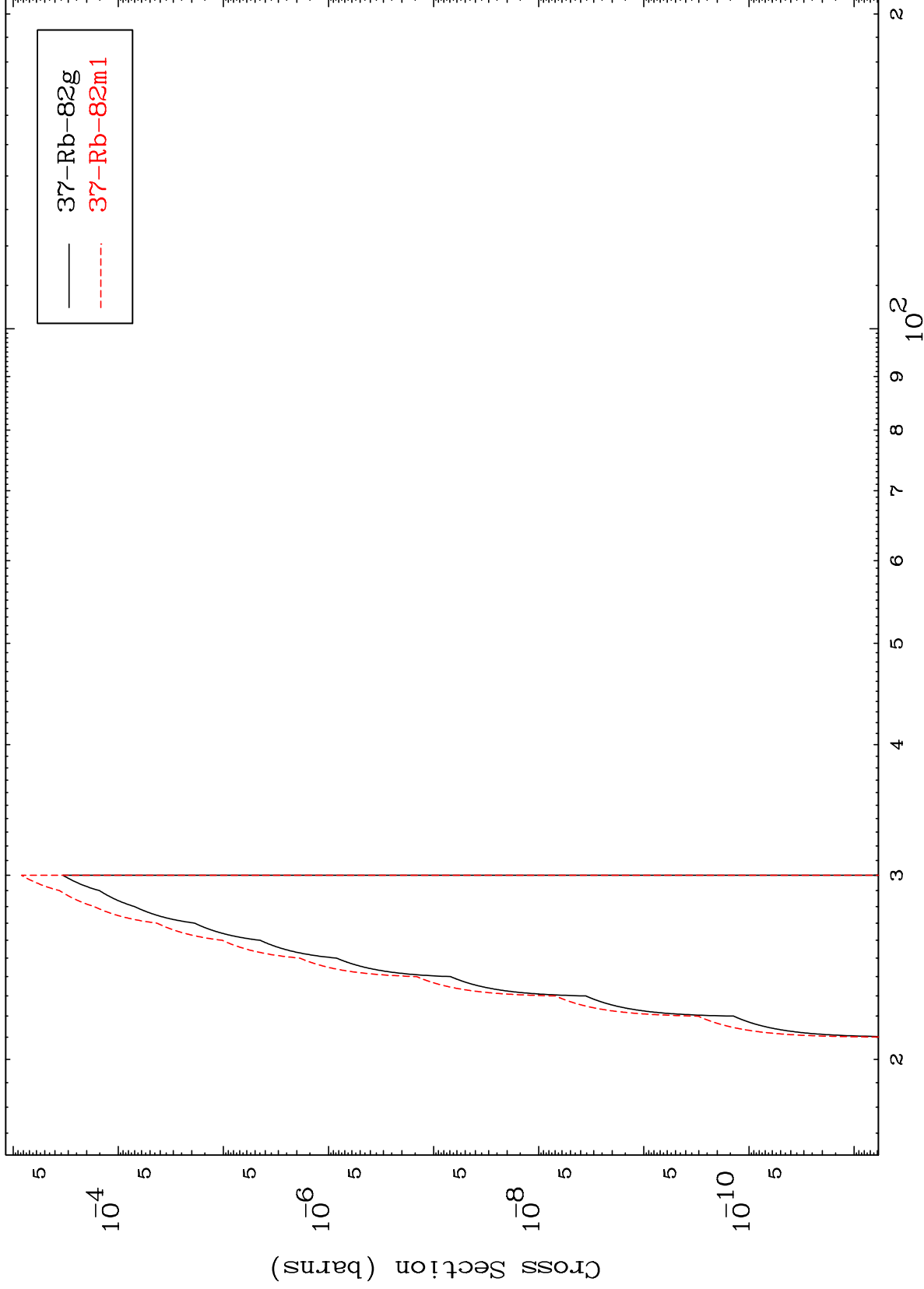
39-Y -85

120

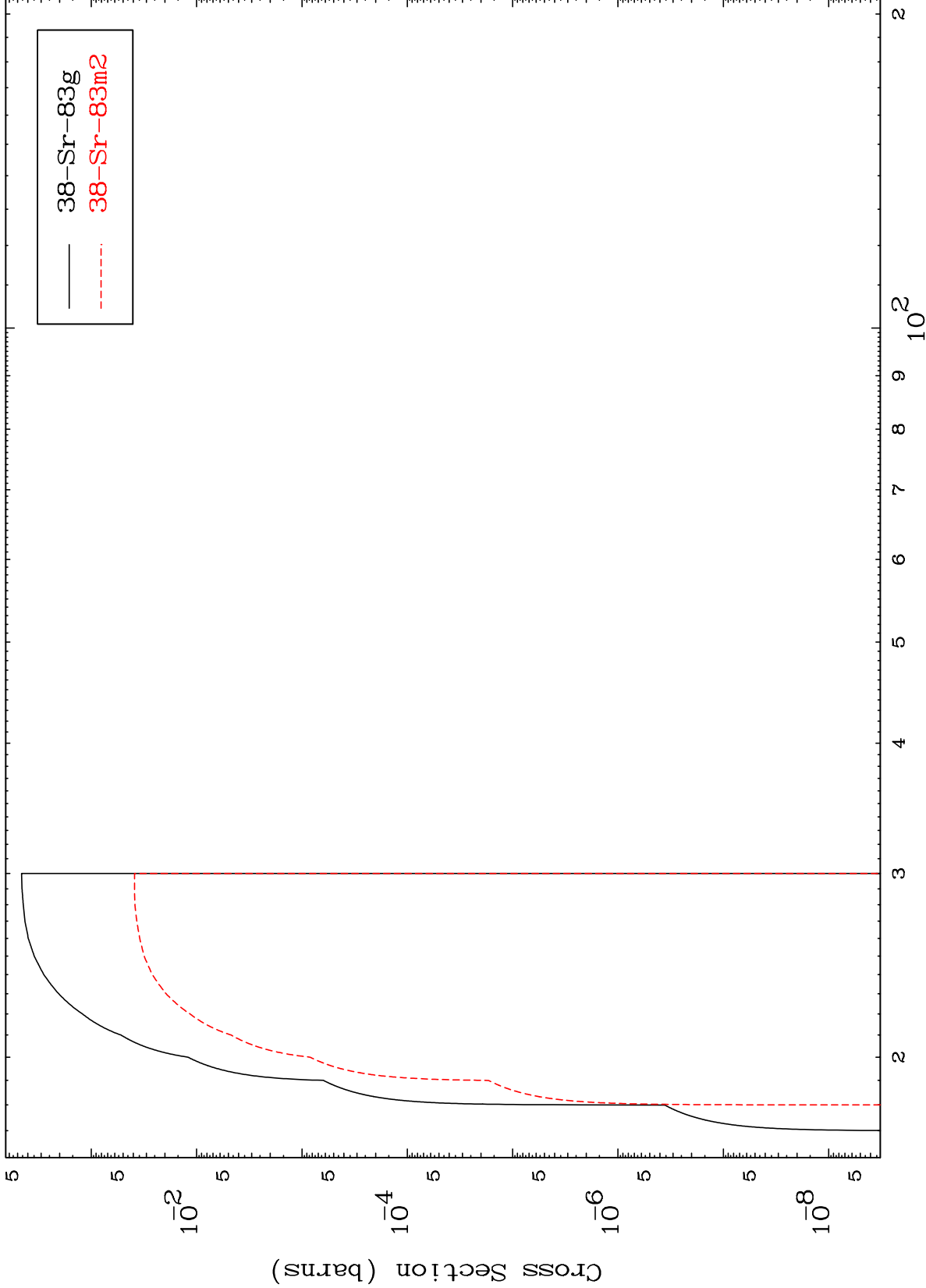
Radionuclide Production Cross Section



Radionuclide Production Cross Section



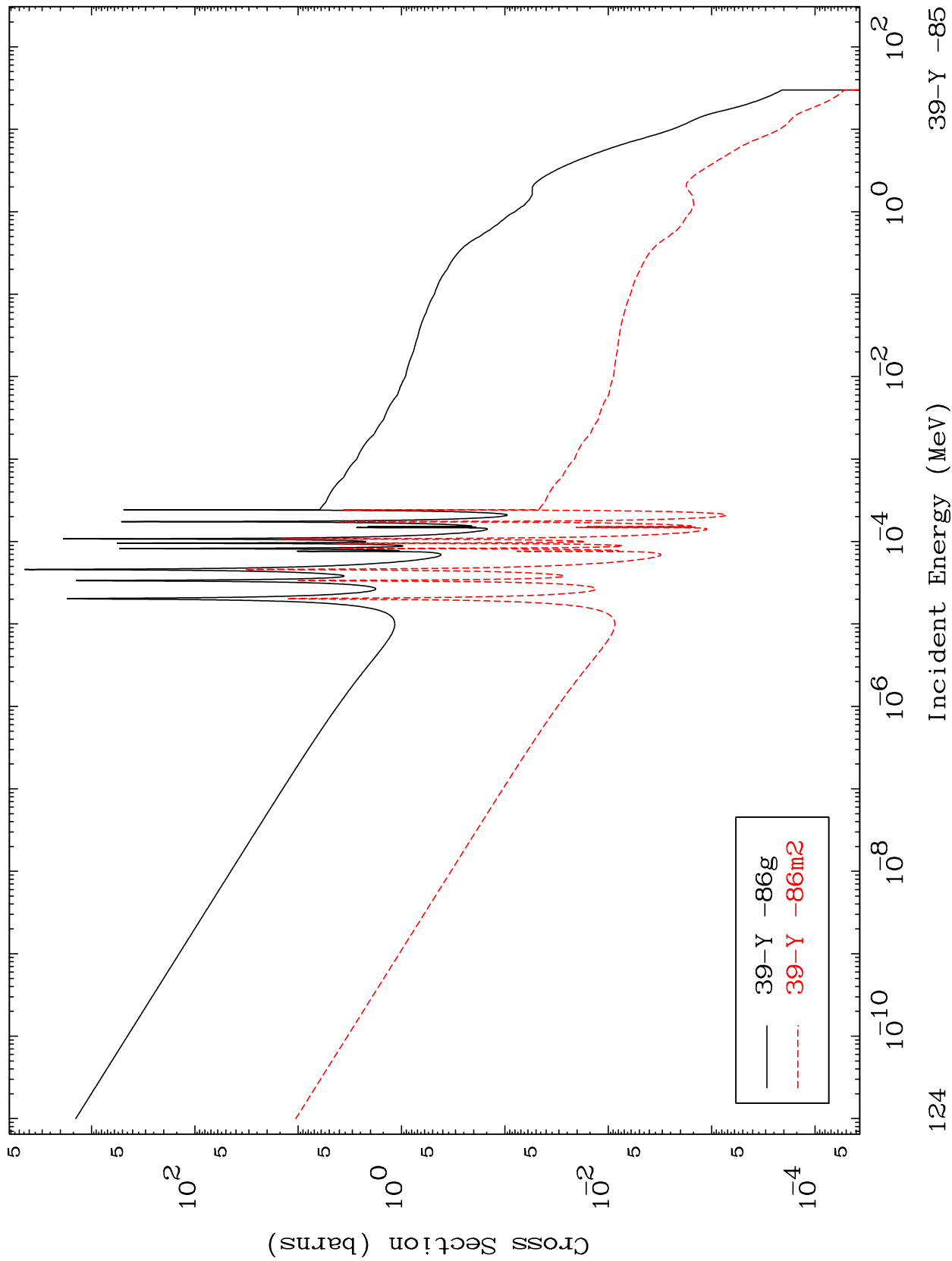
Radionuclide Production Cross Section



MAT 3913

39-Y -85

Radionuclide Production Cross Section  
(n,  $\gamma$ )



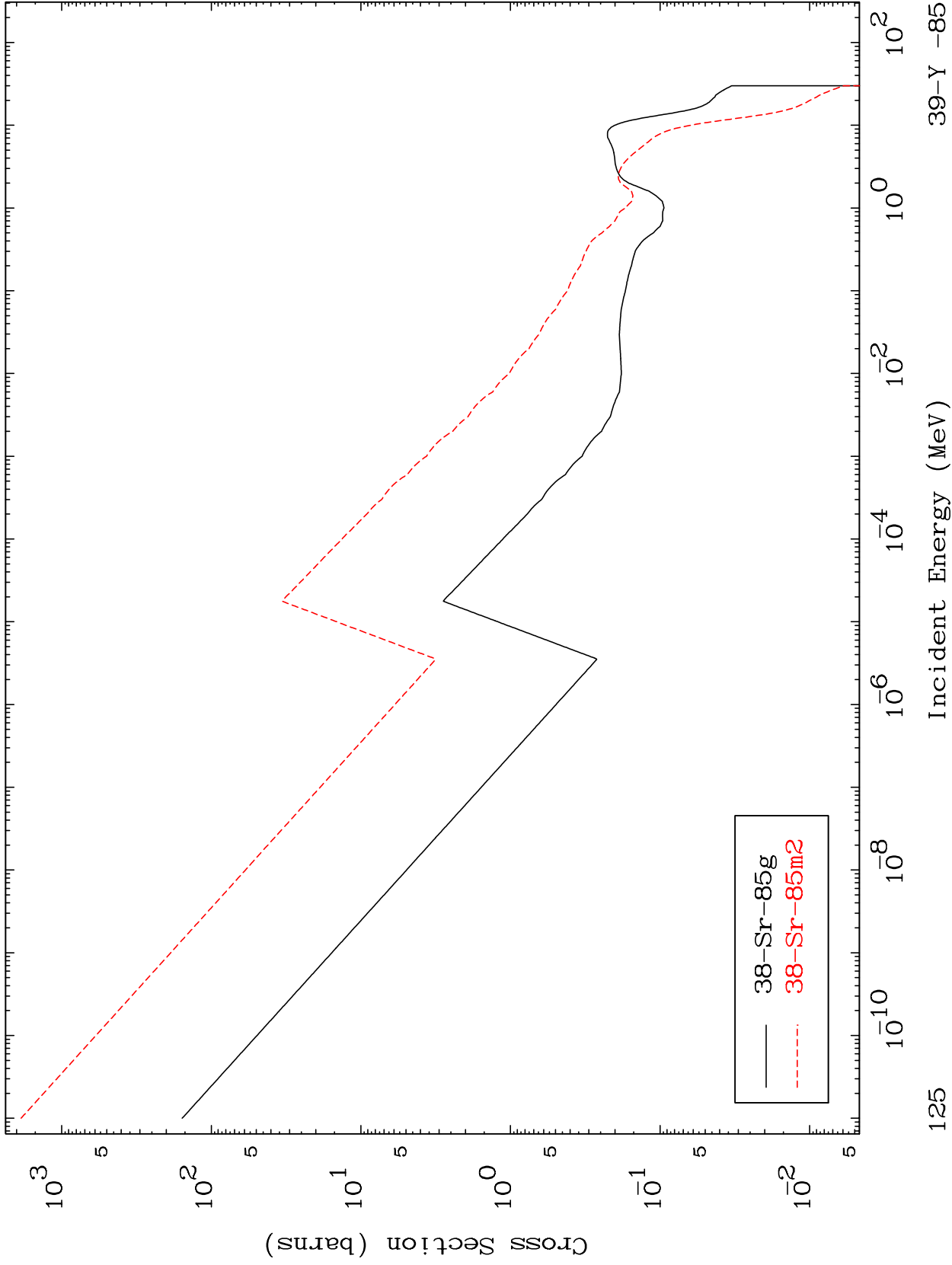
124

39-Y -85

MAT 3913

39-Y -85

(n,p)  
Radionuclide Production Cross Section

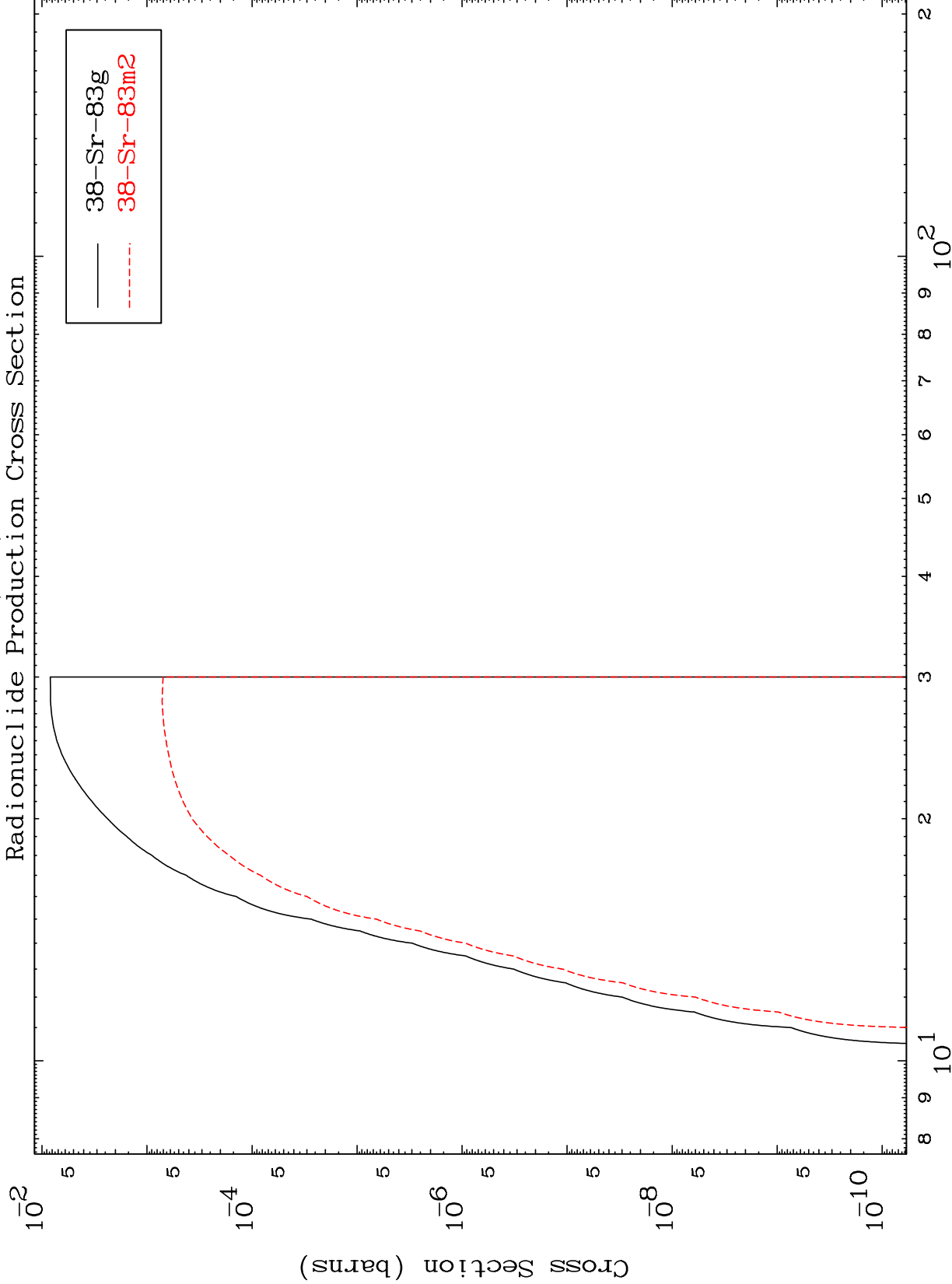


MAT 3913

(n, t)

39-Y -85

Radionuclide Production Cross Section



38-Sr-83g  
38-Sr-83m2

126

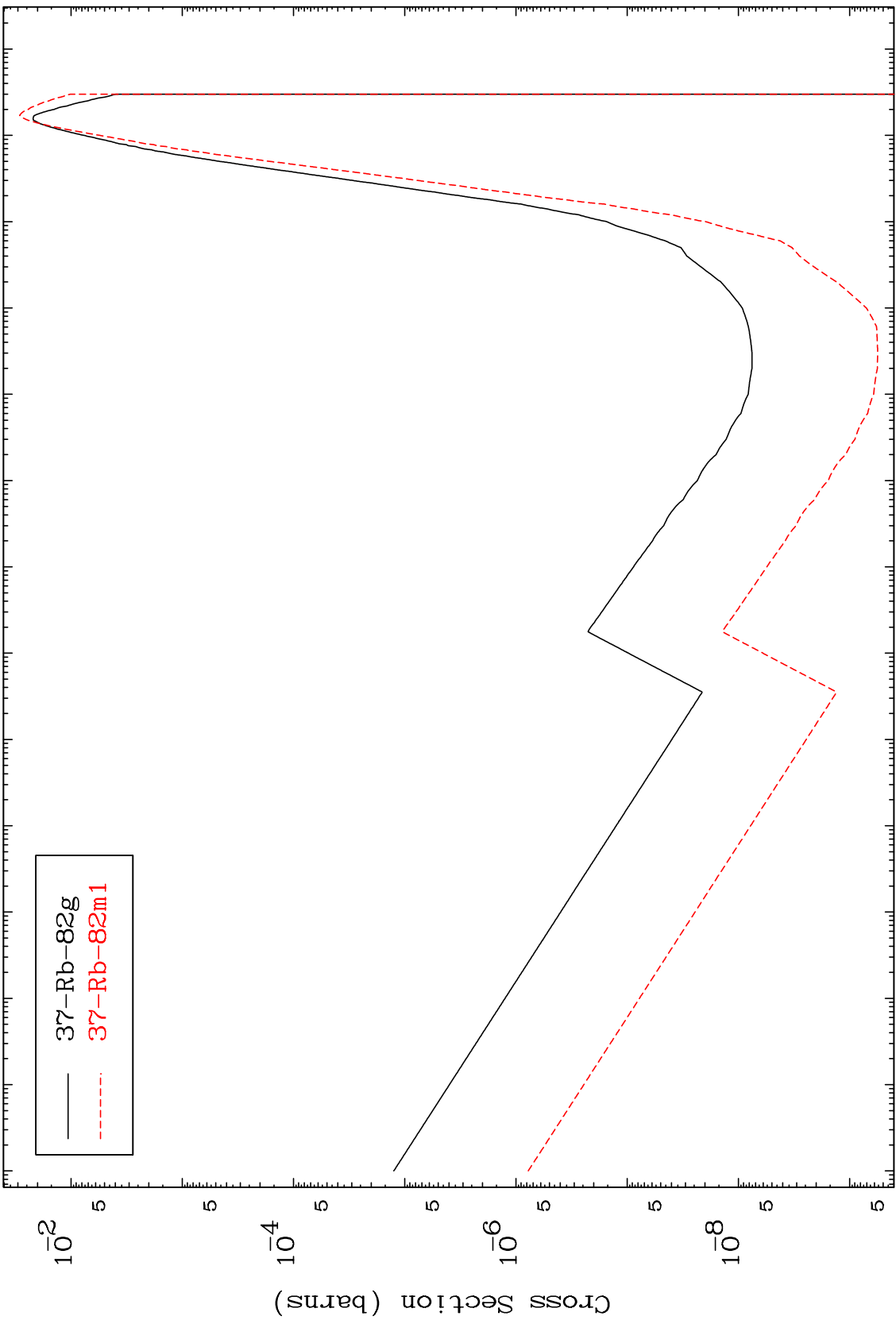
Incident Energy (MeV)

39-Y -85

MAT 3913

39-Y -85

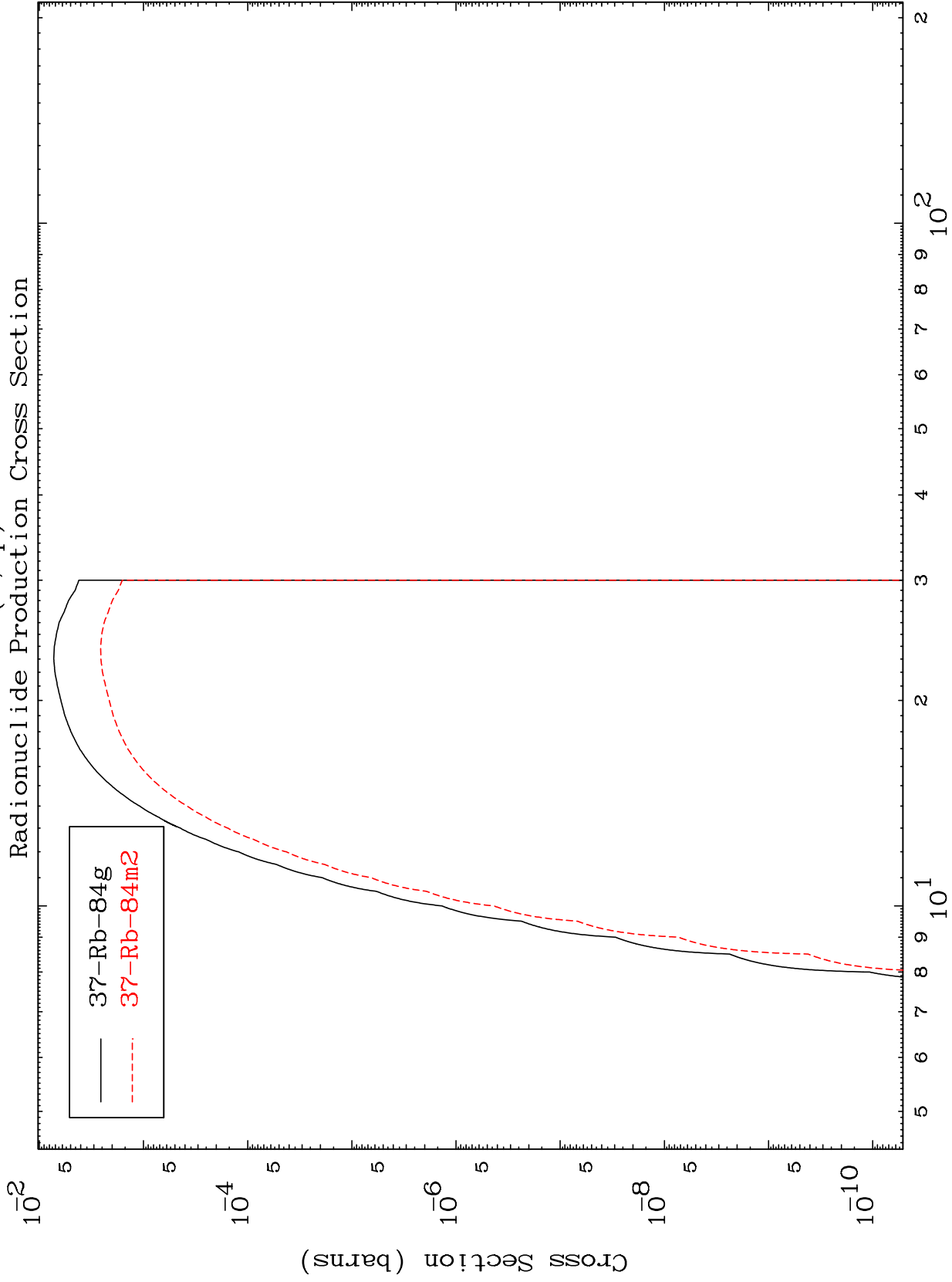
Radionuclide Production Cross Section (n,α)





MAT 3913

39-Y -85



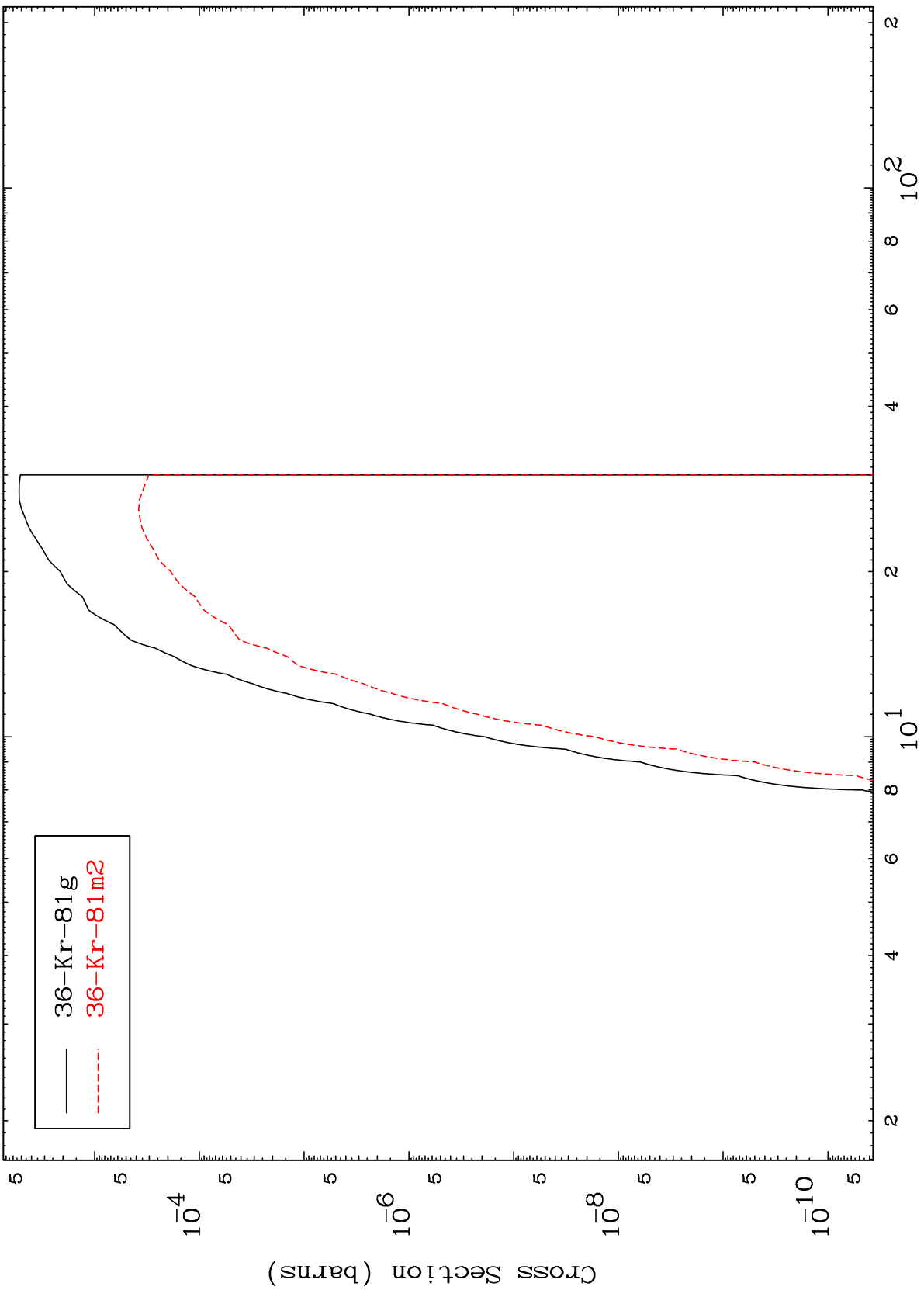
— 37-Rb-84g  
- - - 37-Rb-84m2

MAT 3913

(n,p)  $\alpha$

39-Y -85

Radionuclide Production Cross Section



129

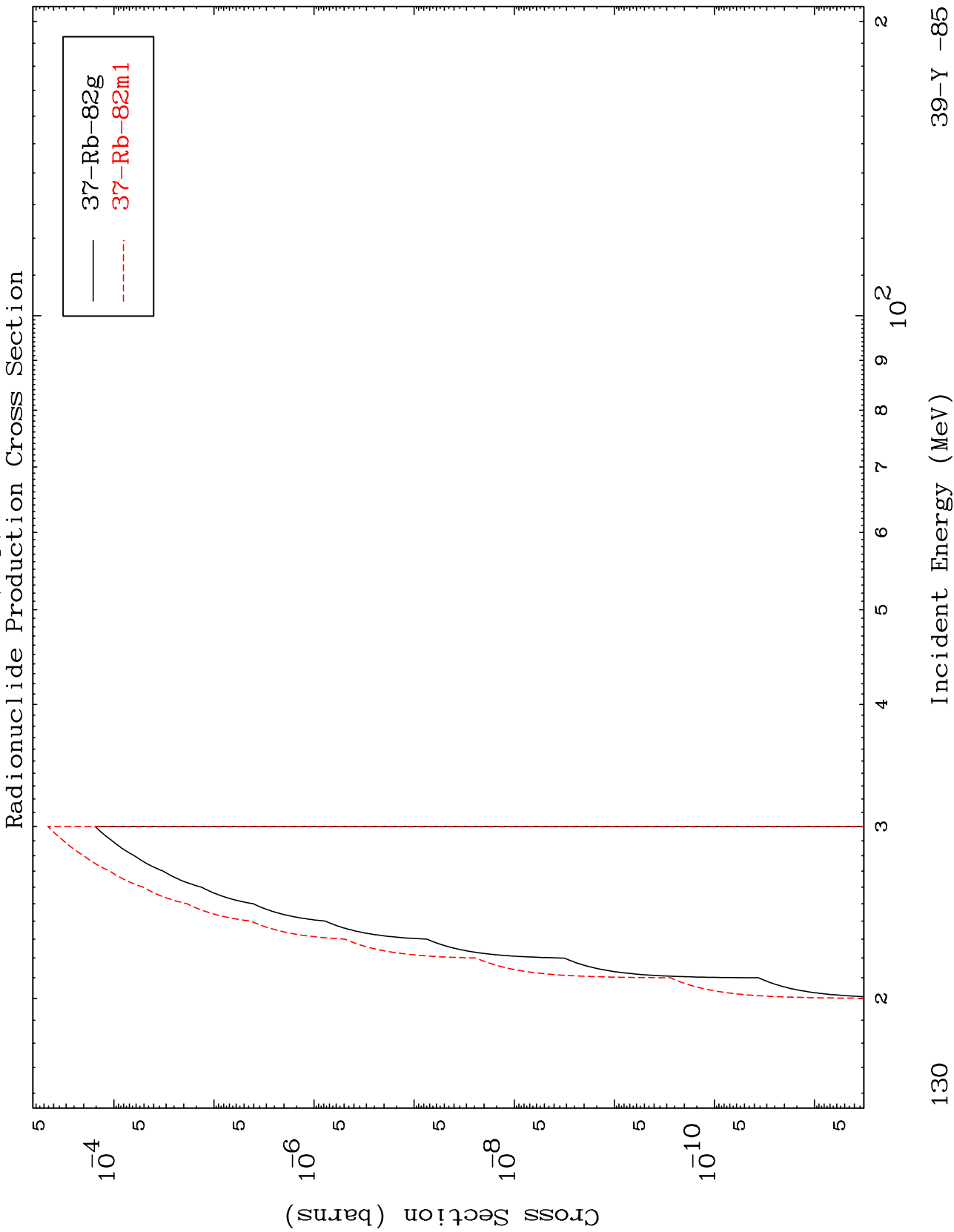
Incident Energy (MeV)

39-Y -85

MAT 3913

(n,p) t

39-Y -85



130

39-Y -85