

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

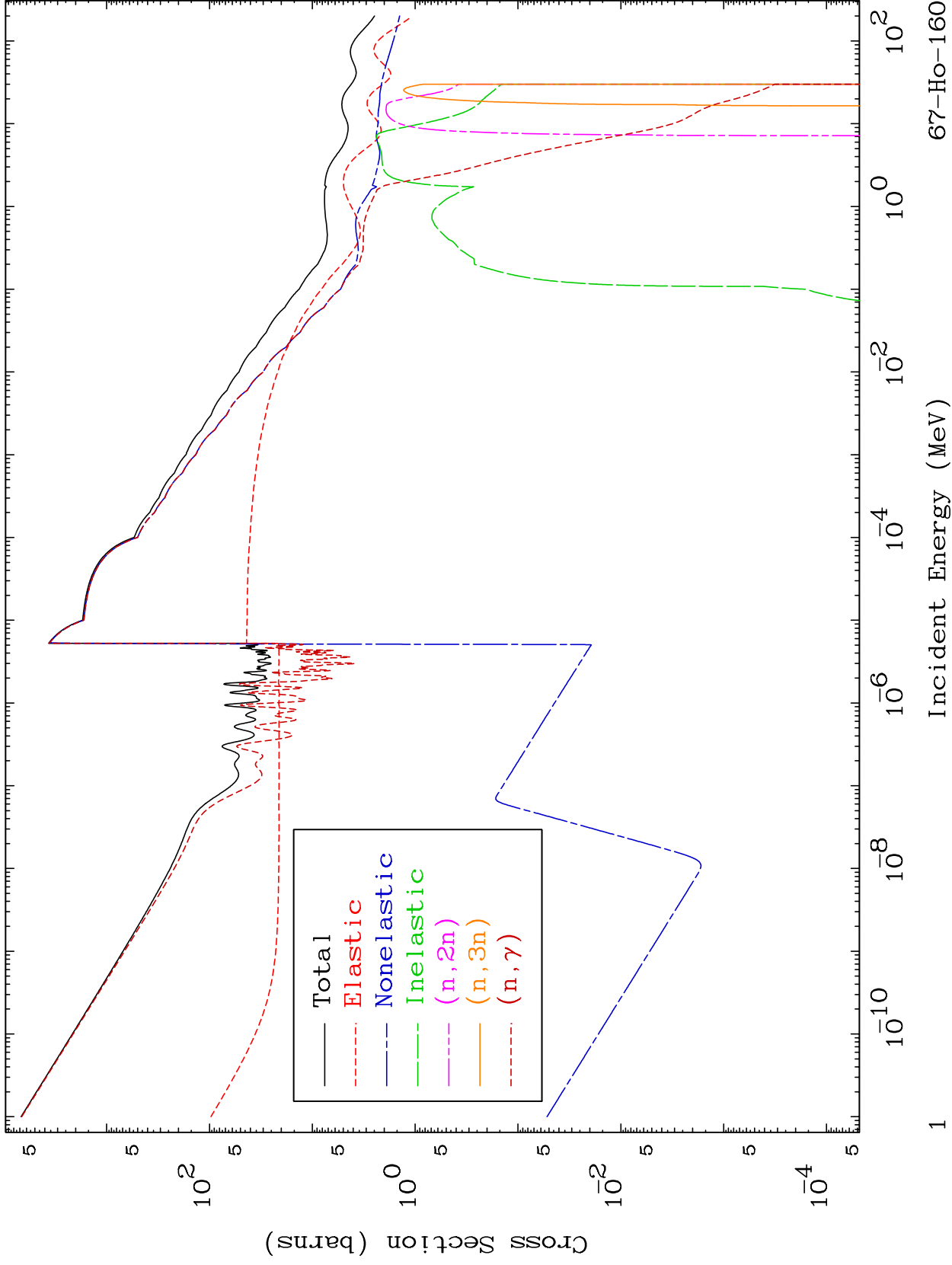
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6710

Neutron Major  
293 Kelvin Cross Sections

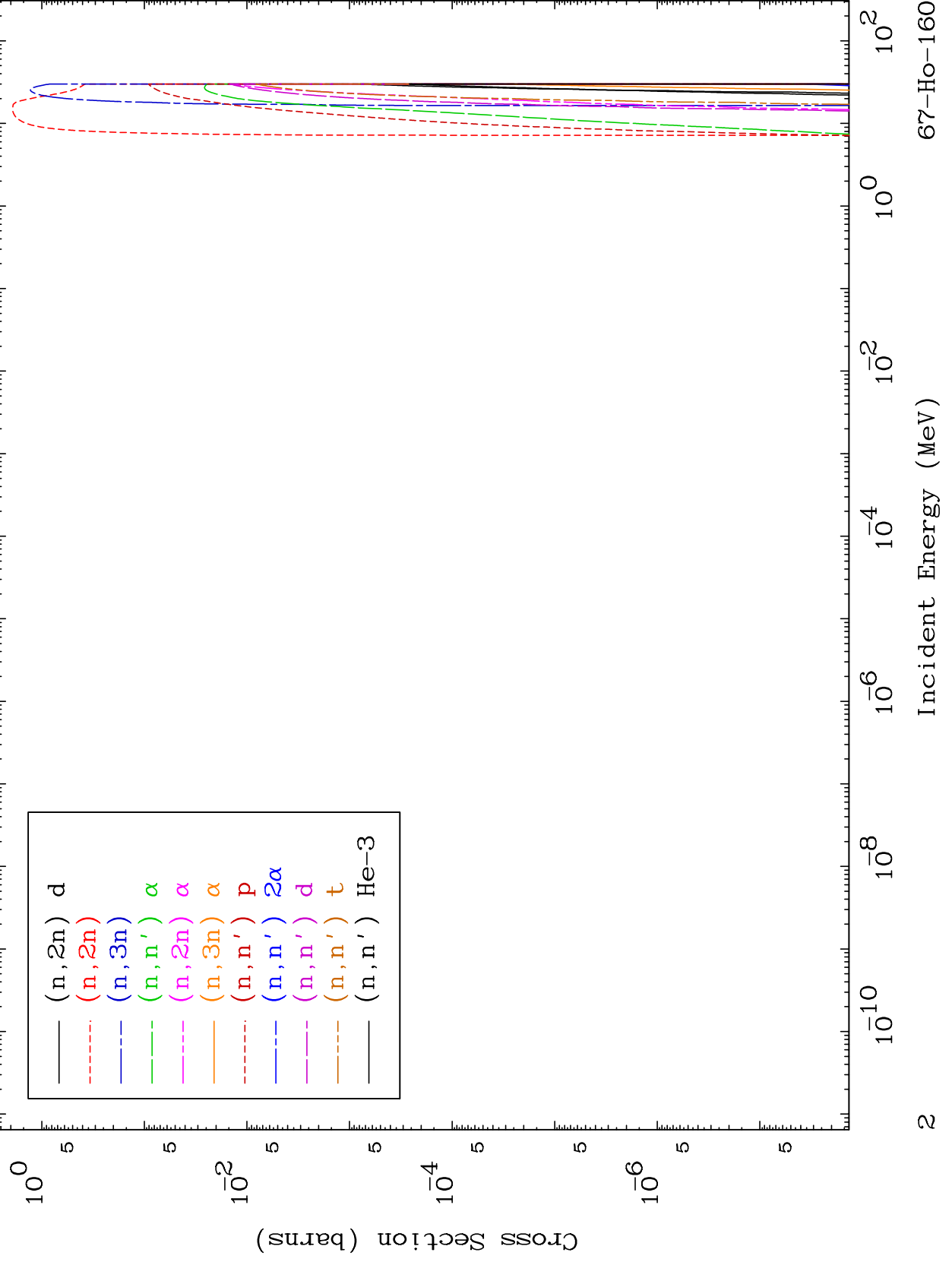
67-Ho-160

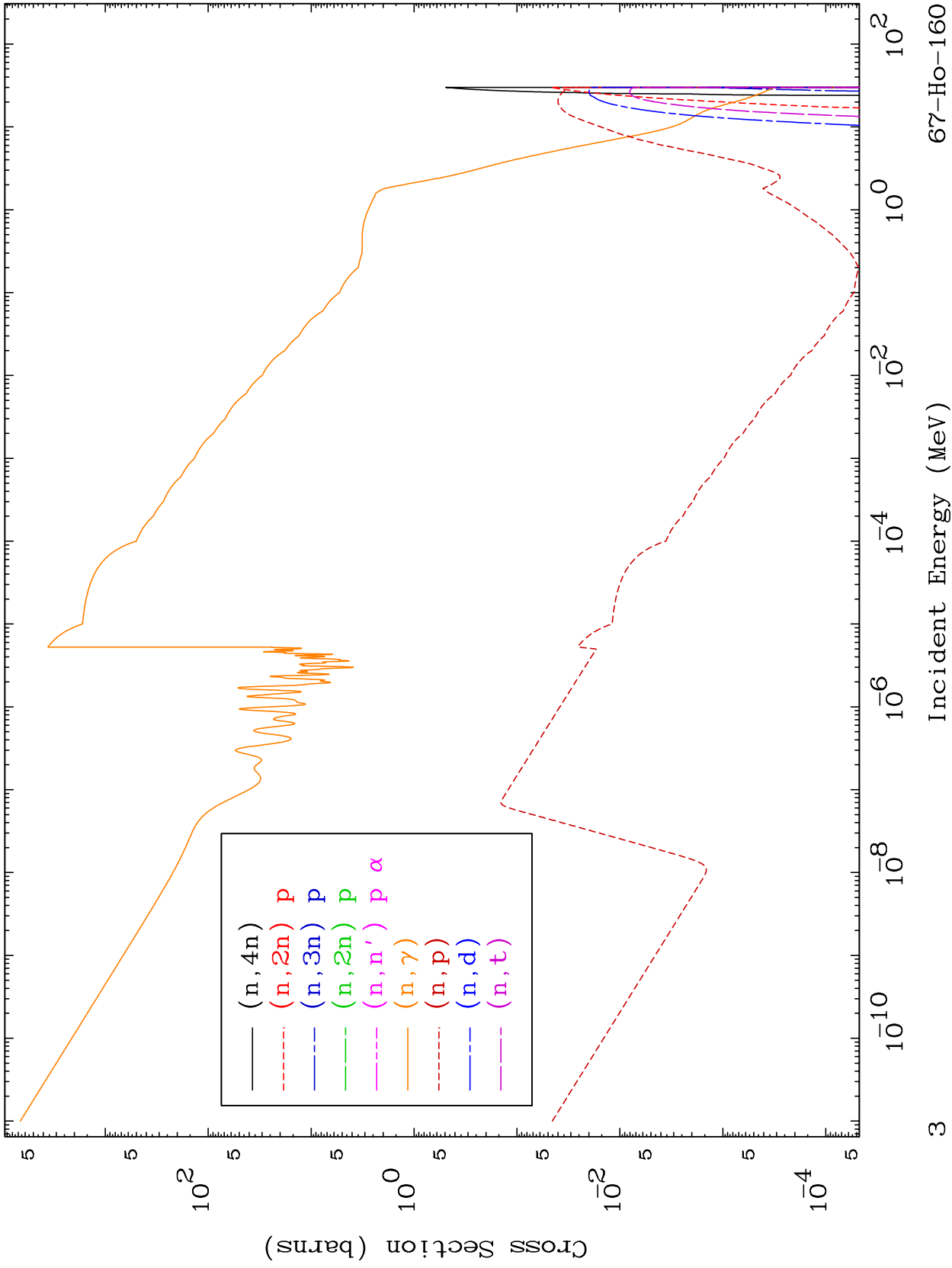


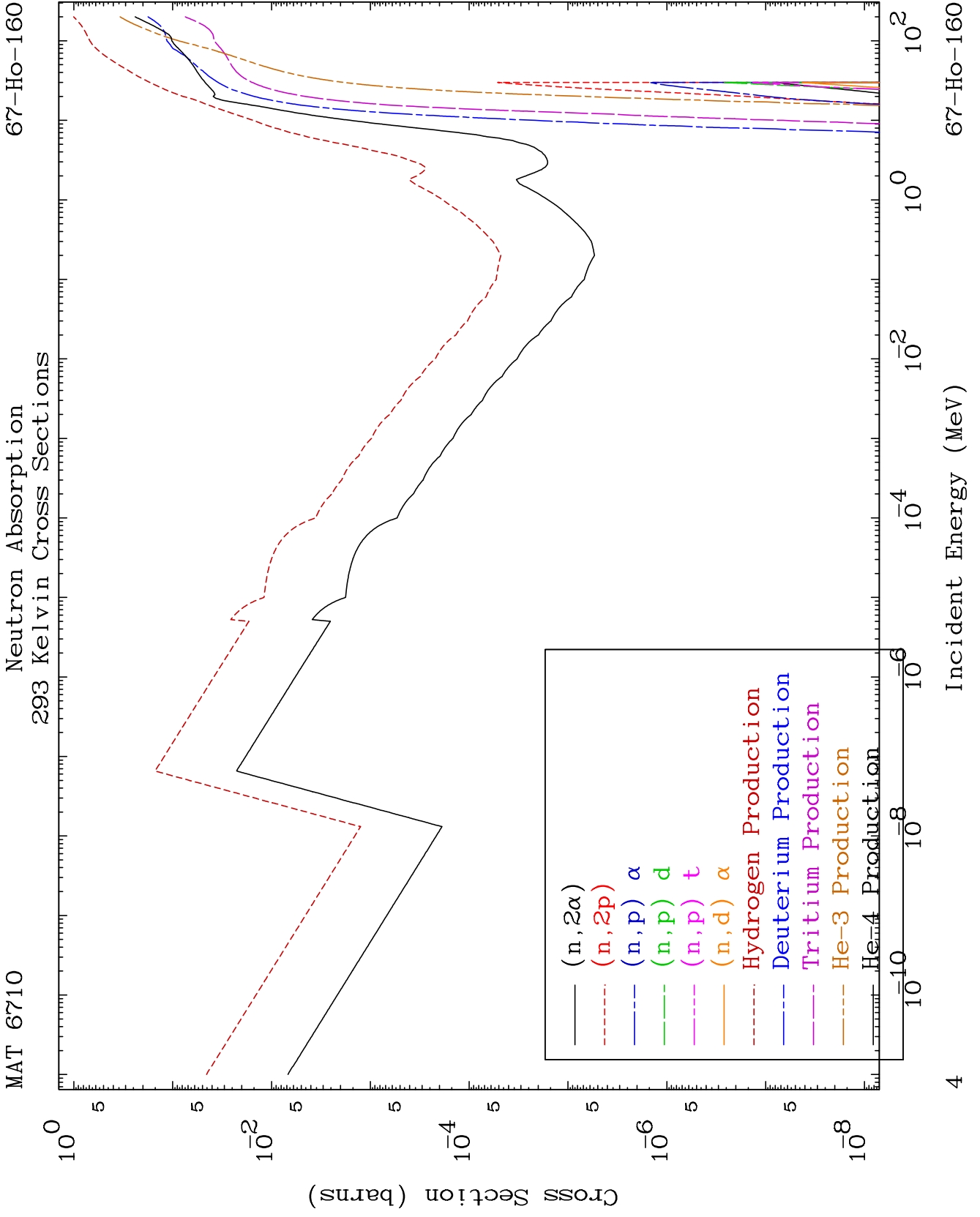
MAT 6710

Neutron Absorption  
293 Kelvin Cross Sections

67-Ho-160



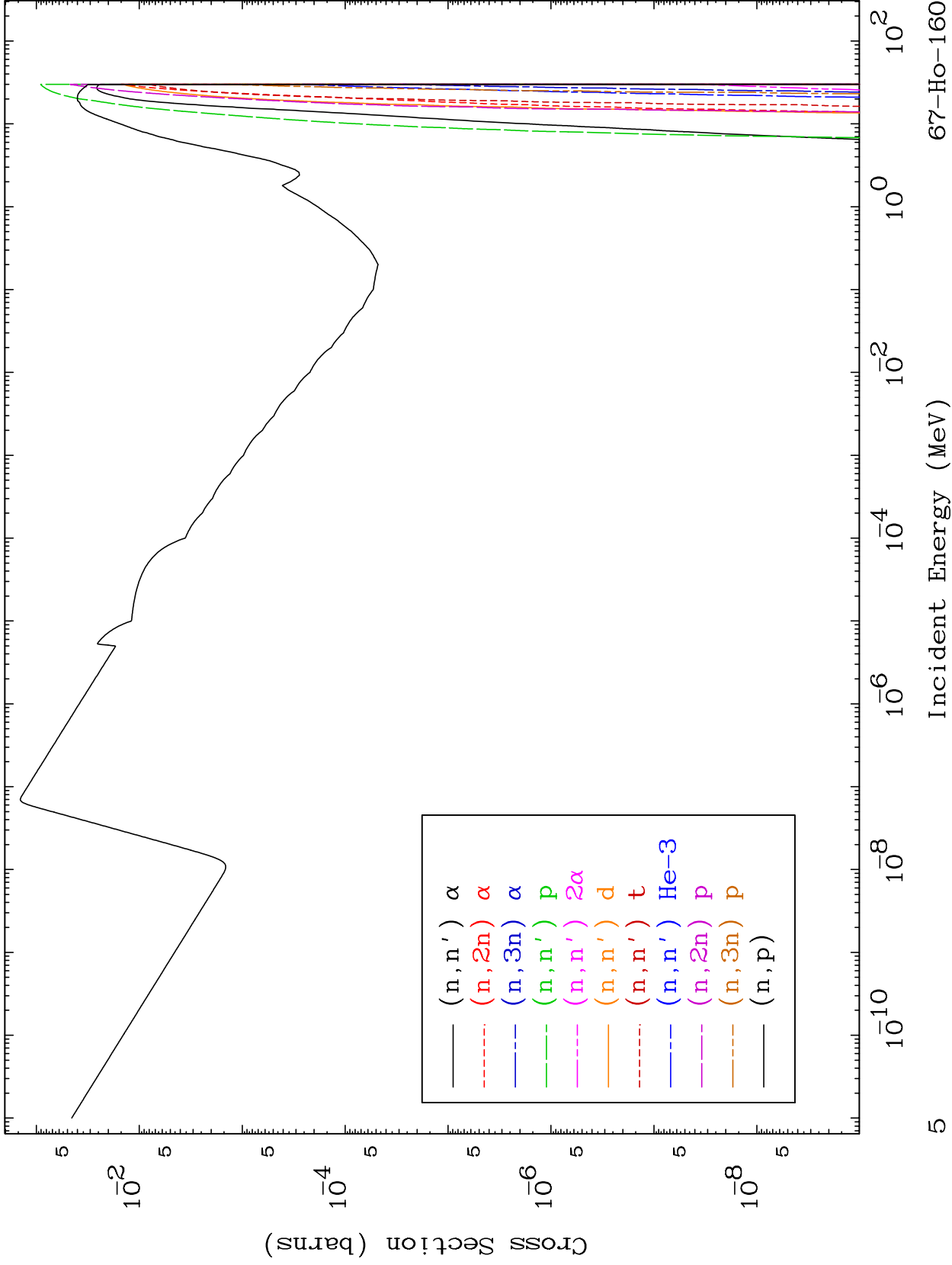




MAT 6710

Charged Particle  
293 Kelvin Cross Sections

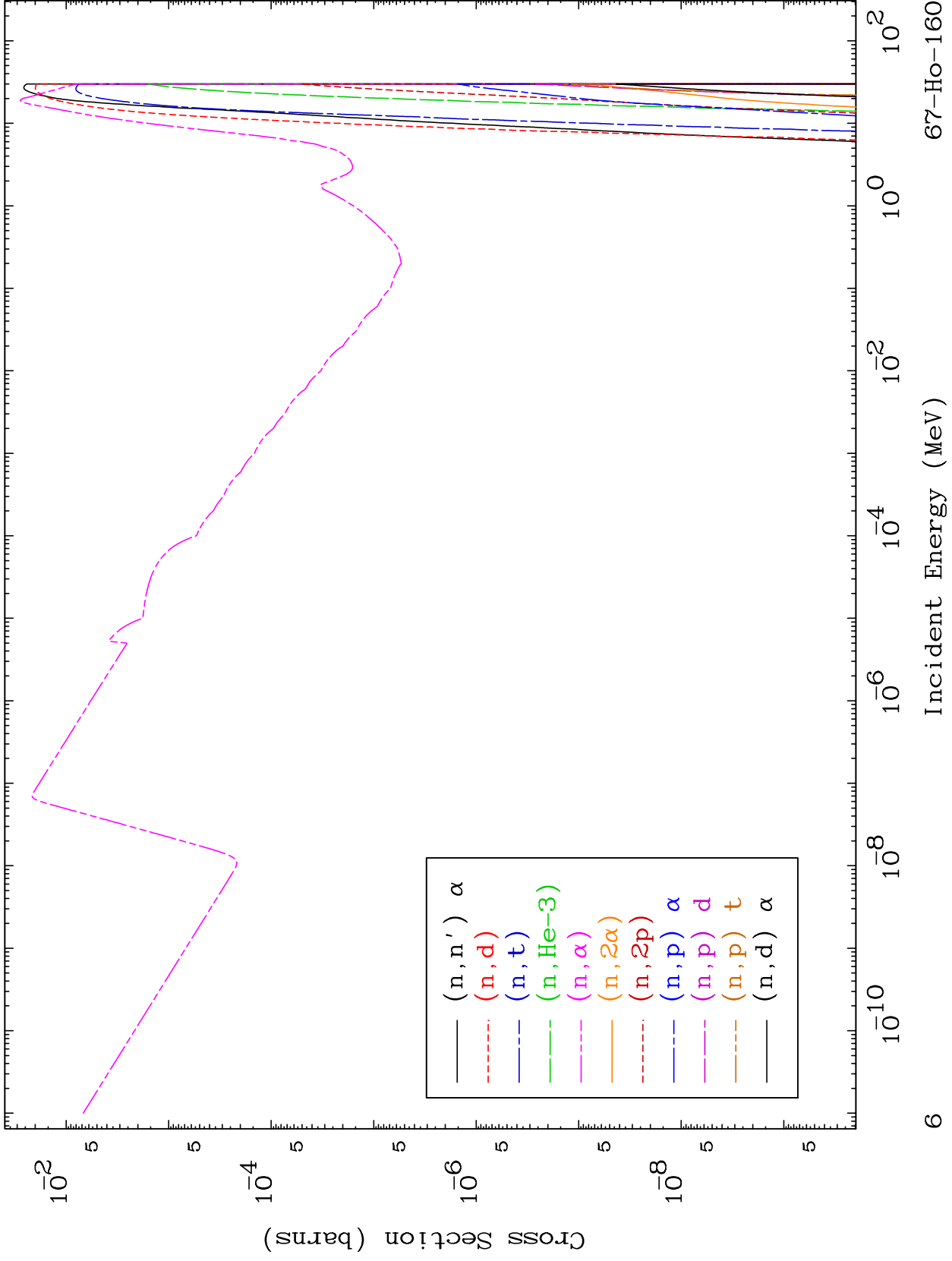
67-Ho-160



MAT 6710

Charged Particle  
293 Kelvin Cross Sections

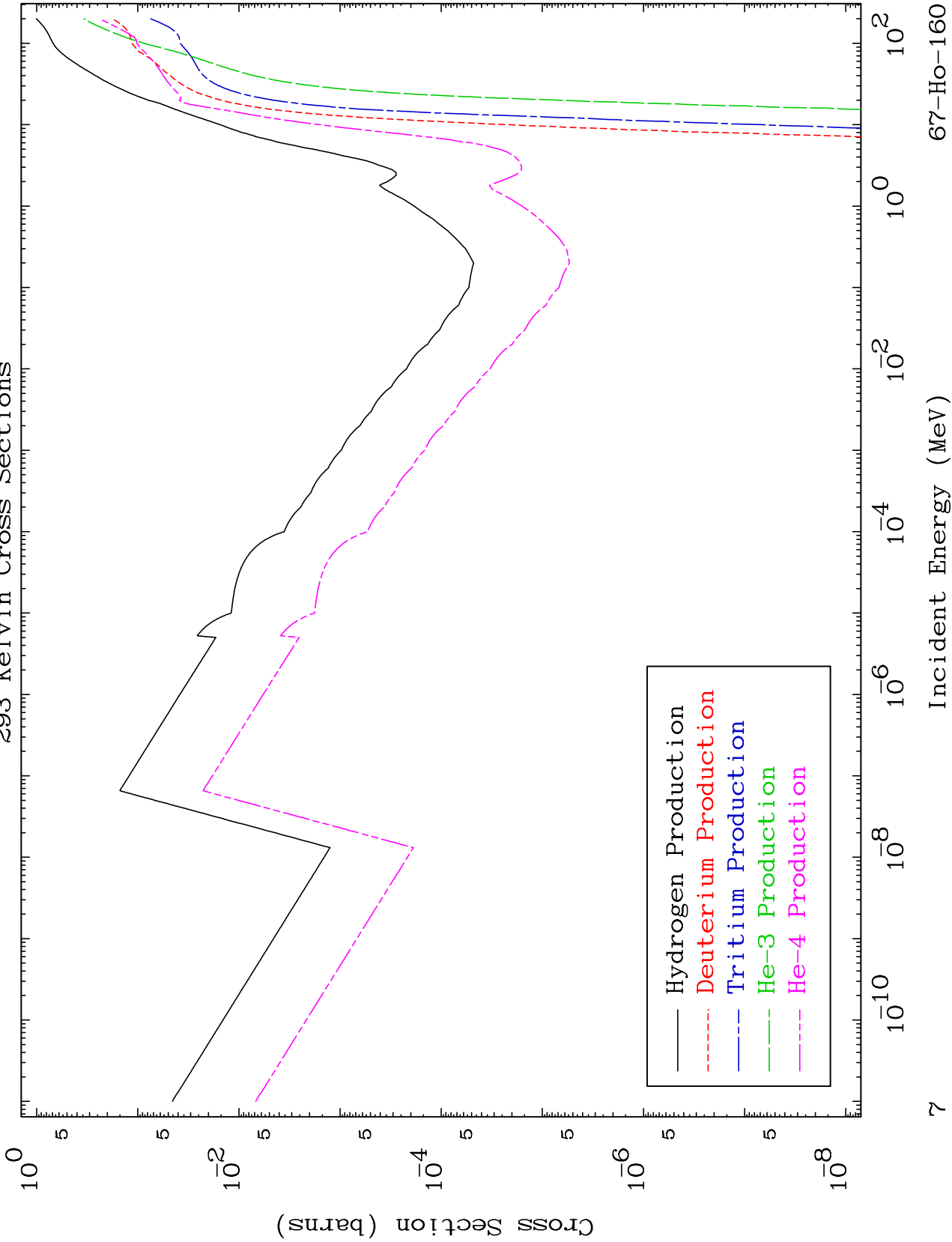
67-Ho-160



MAT 6710

Particle Production  
293 Kelvin Cross Sections

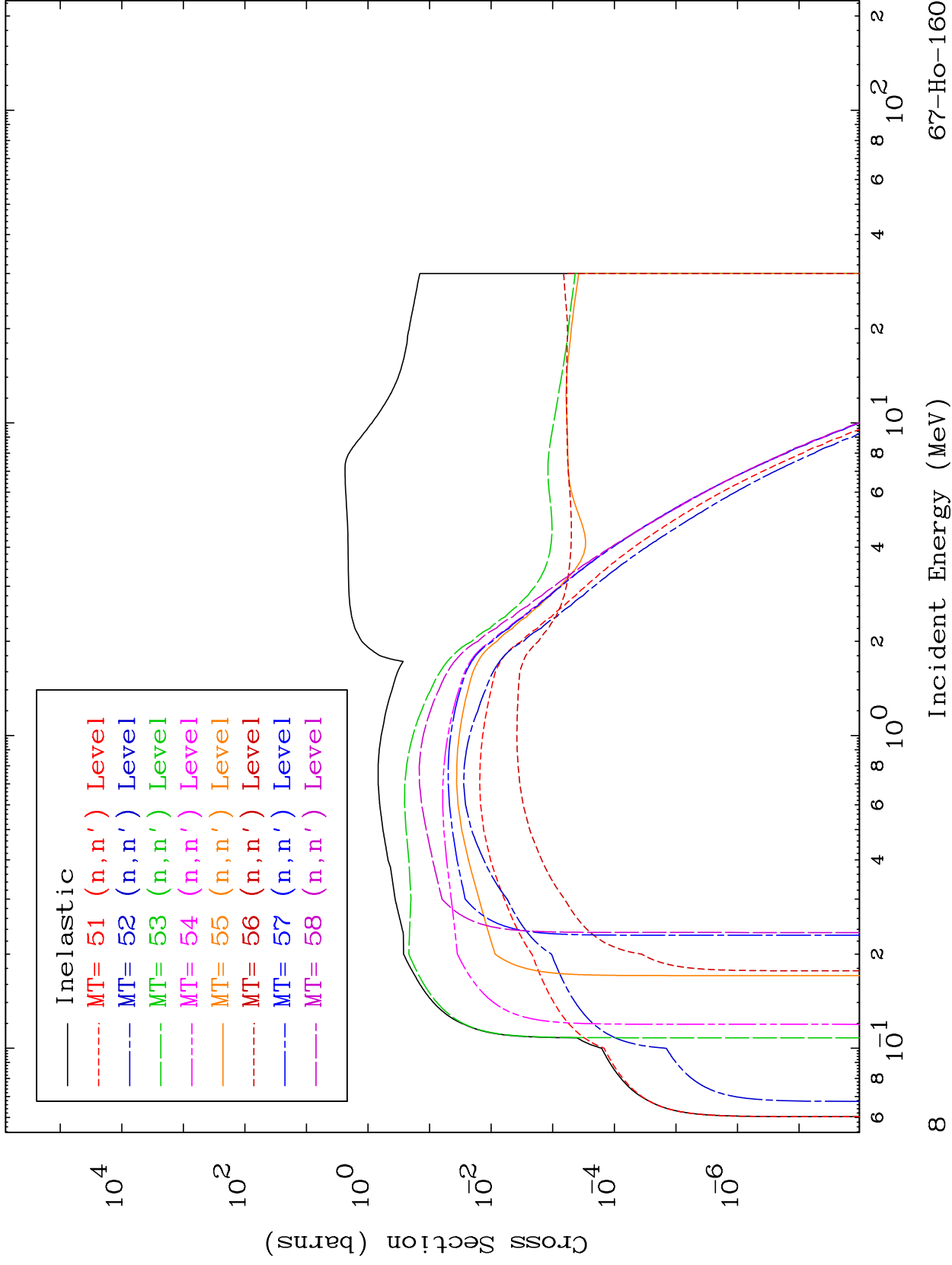
67-Ho-160



MAT 6710

(n,n') Levels  
293 Kelvin Cross Sections

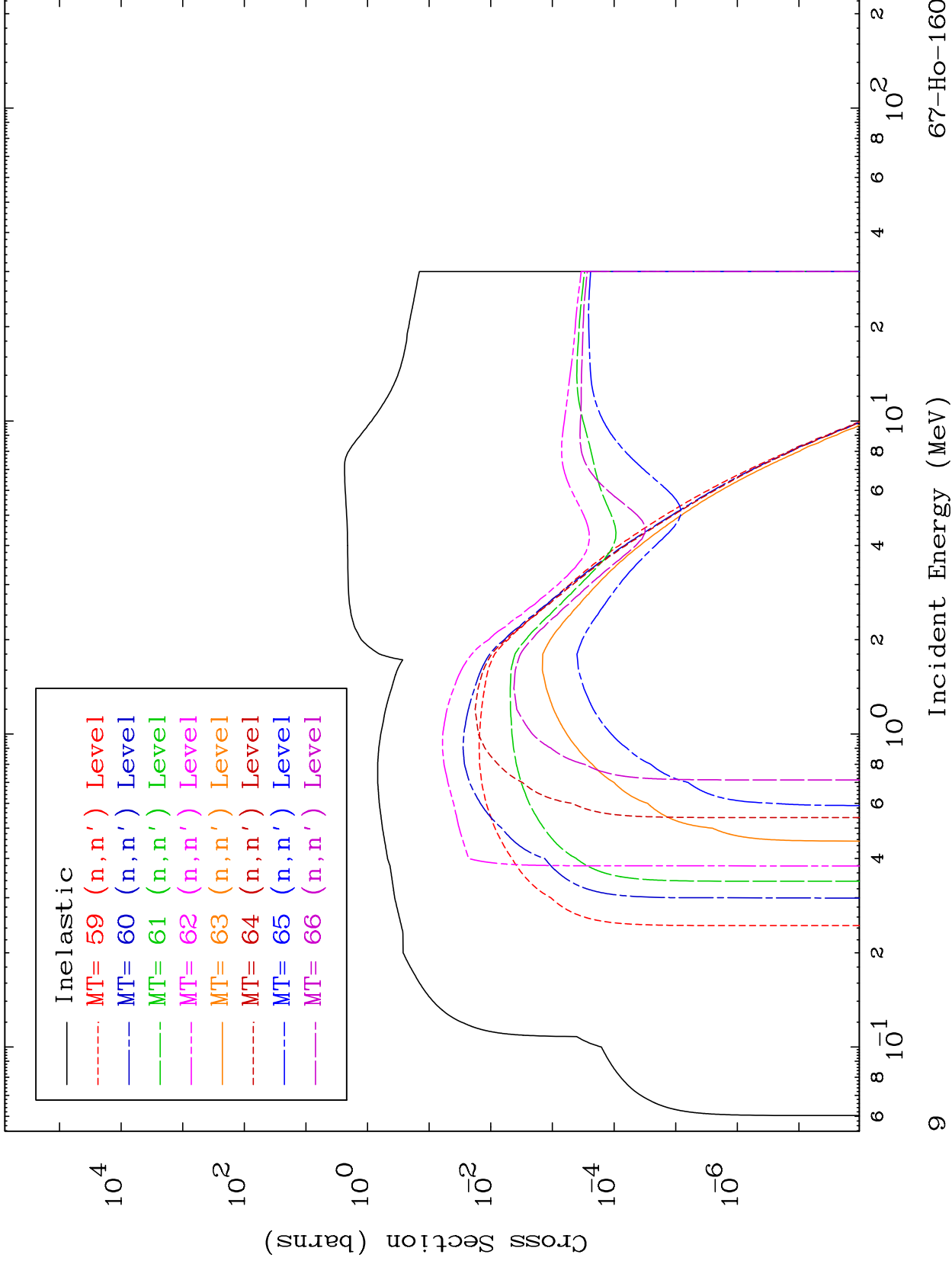
67-Ho-160



MAT 6710

(n,n') Levels  
293 Kelvin Cross Sections

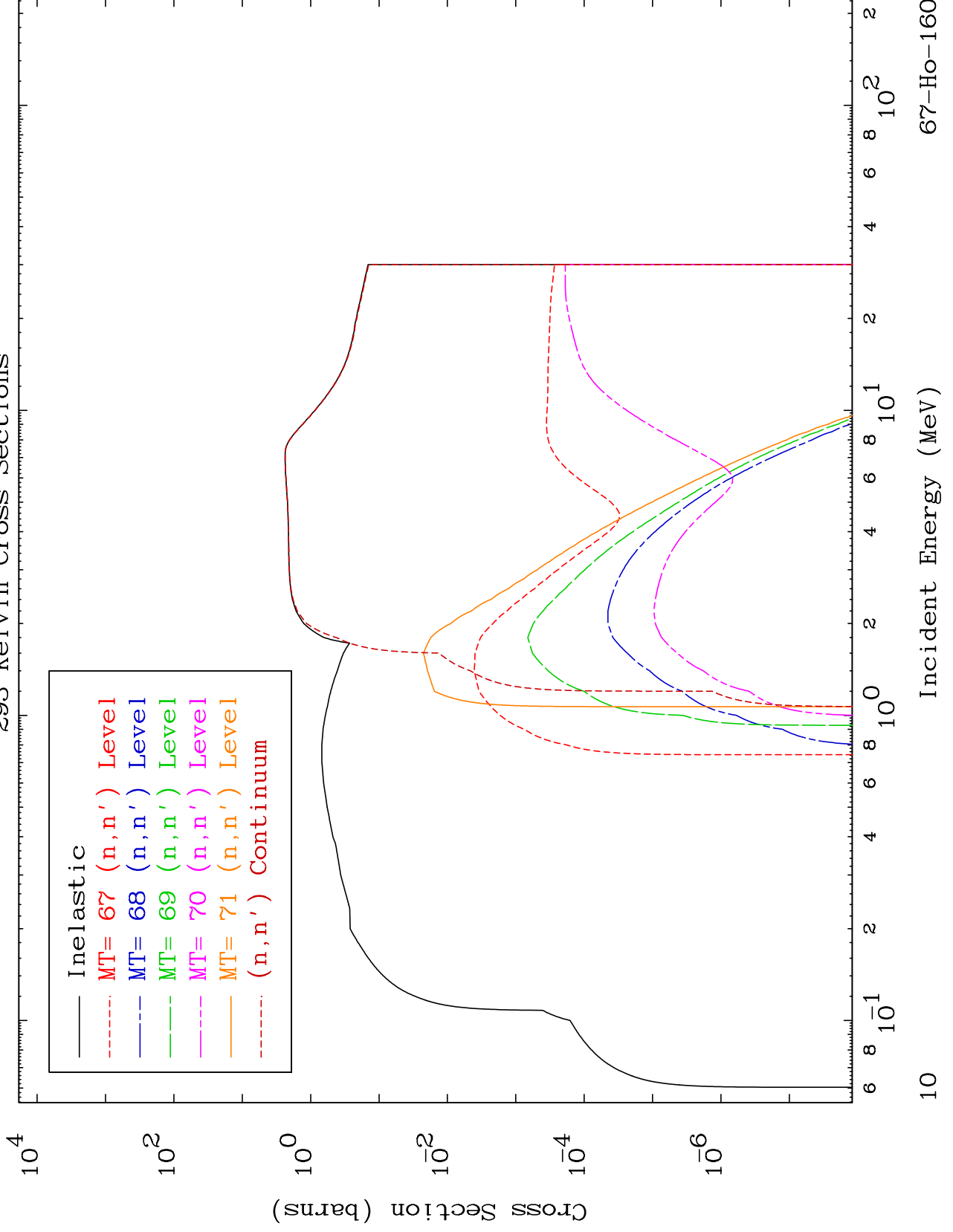
67-Ho-160



MAT 6710

(n,n') Levels  
293 Kelvin Cross Sections

67-Ho-160



10

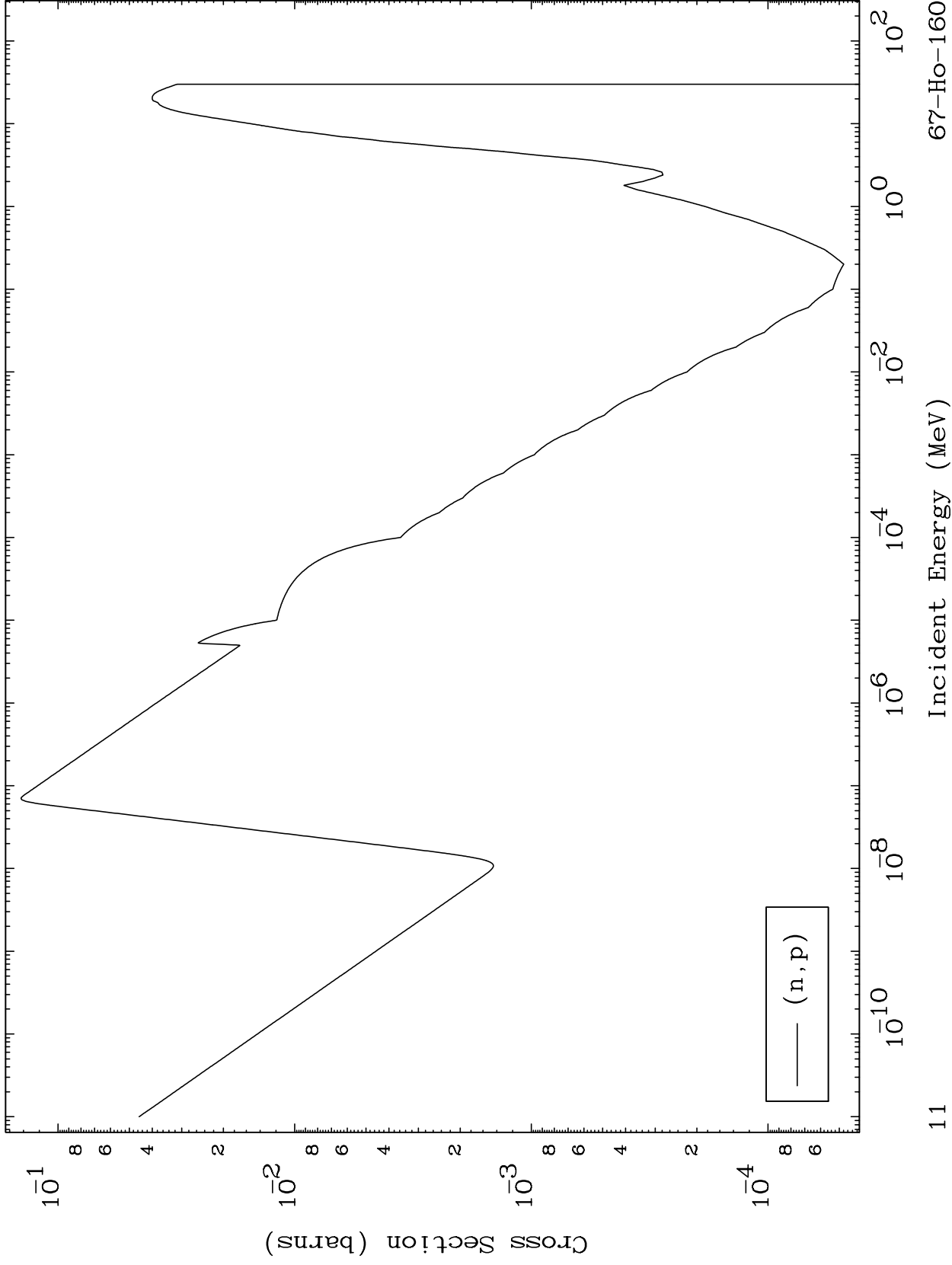
Incident Energy (MeV)

67-Ho-160

MAT 6710

(n,p) Levels  
293 Kelvin Cross Sections

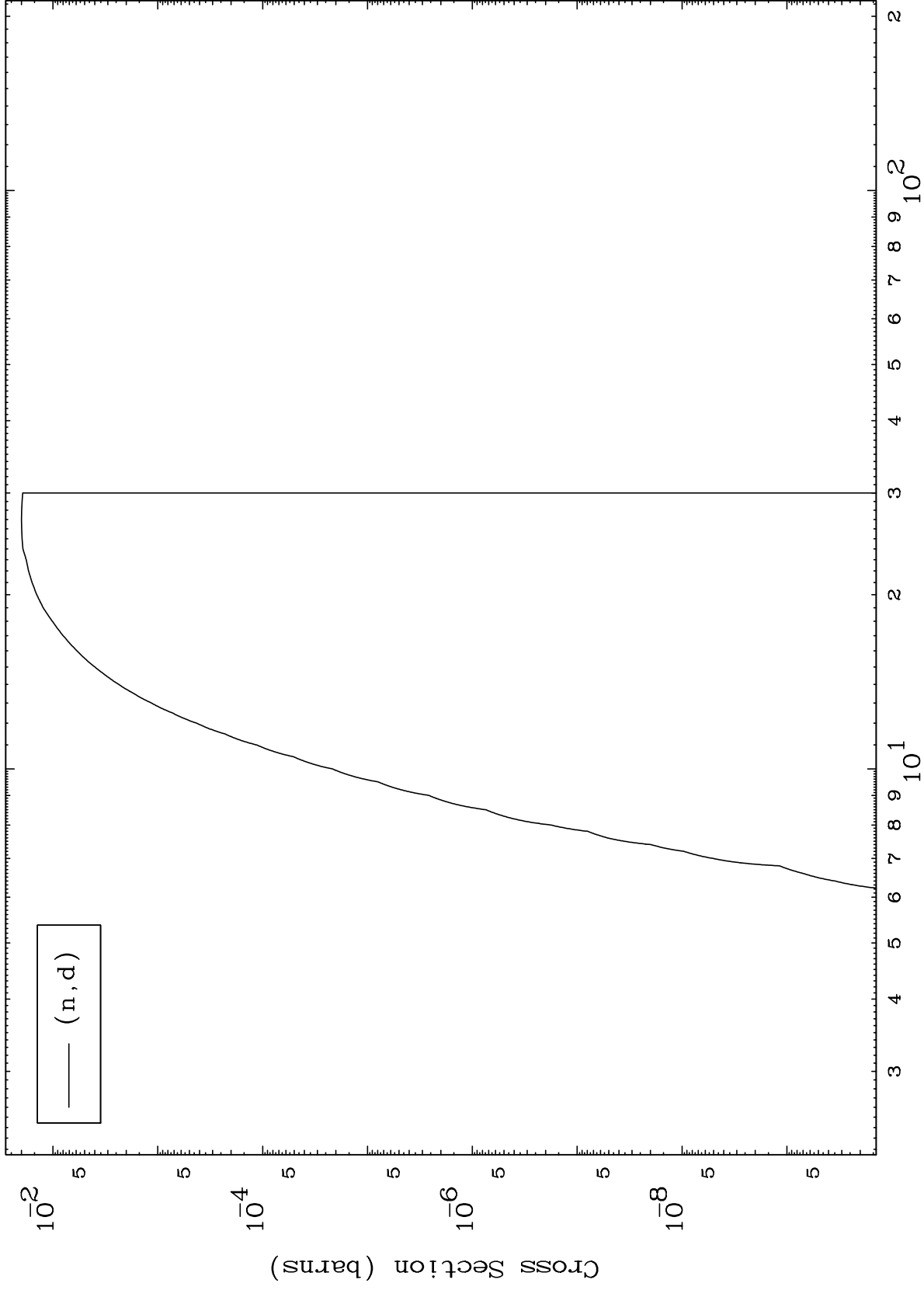
67-Ho-160



MAT 6710

(n,d) Levels  
293 Kelvin Cross Sections

67-Ho-160



12

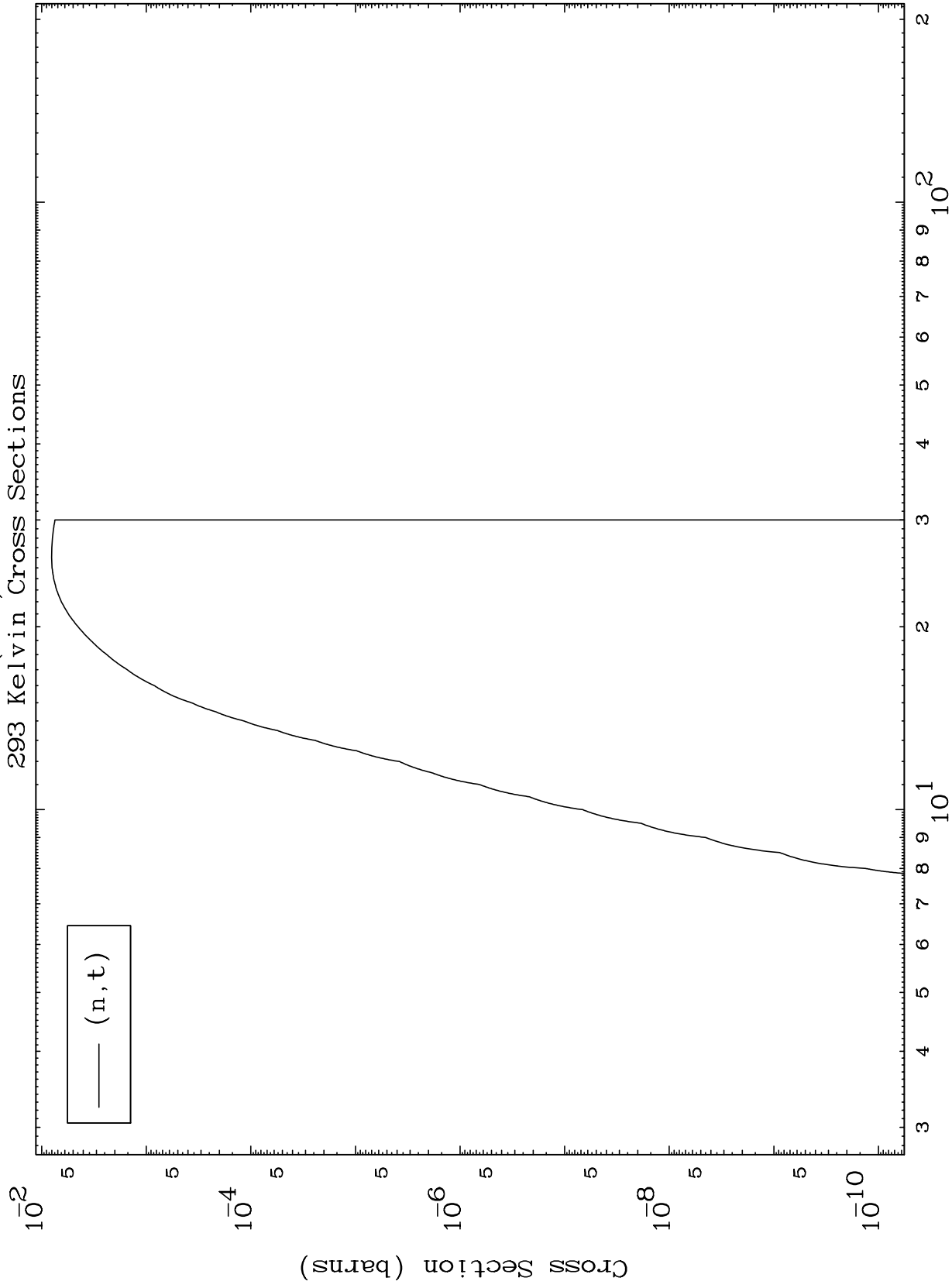
Incident Energy (MeV)

67-Ho-160

MAT 6710

(n,t) Levels  
293 Kelvin Cross Sections

67-Ho-160



13

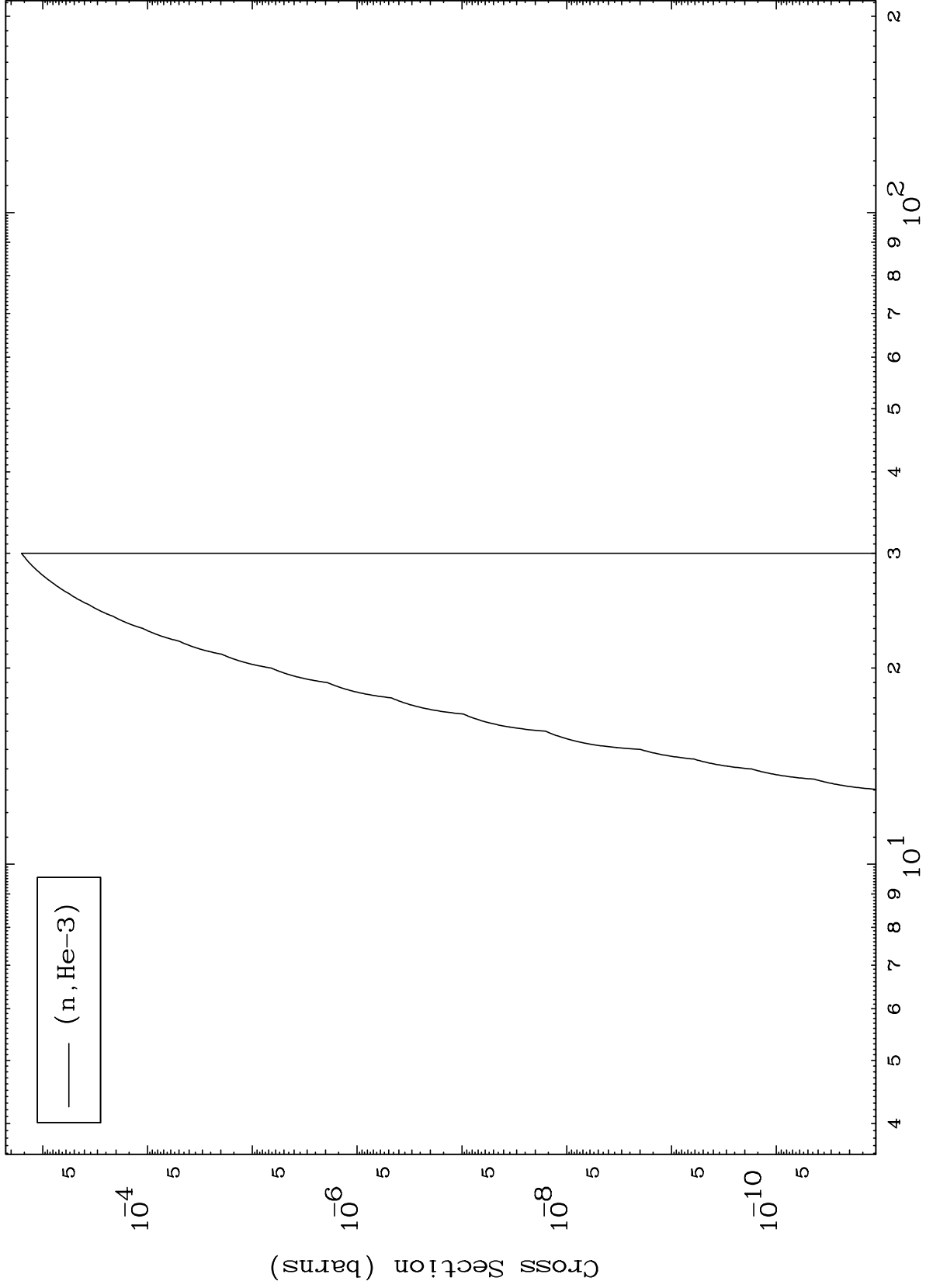
Incident Energy (MeV)

67-Ho-160

MAT 6710

(n,He3) Levels  
293 Kelvin Cross Sections

67-Ho-160



14

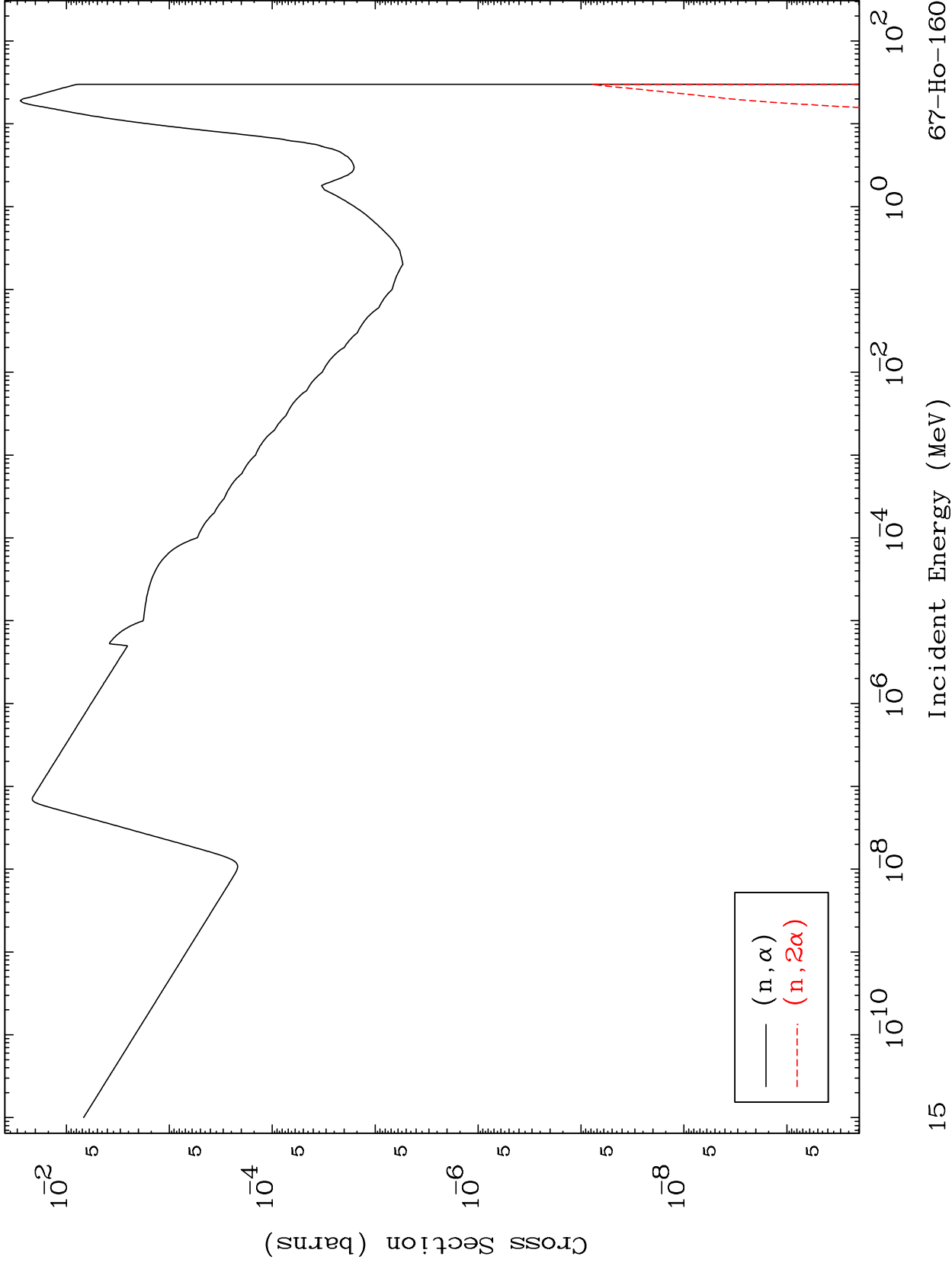
Incident Energy (MeV)

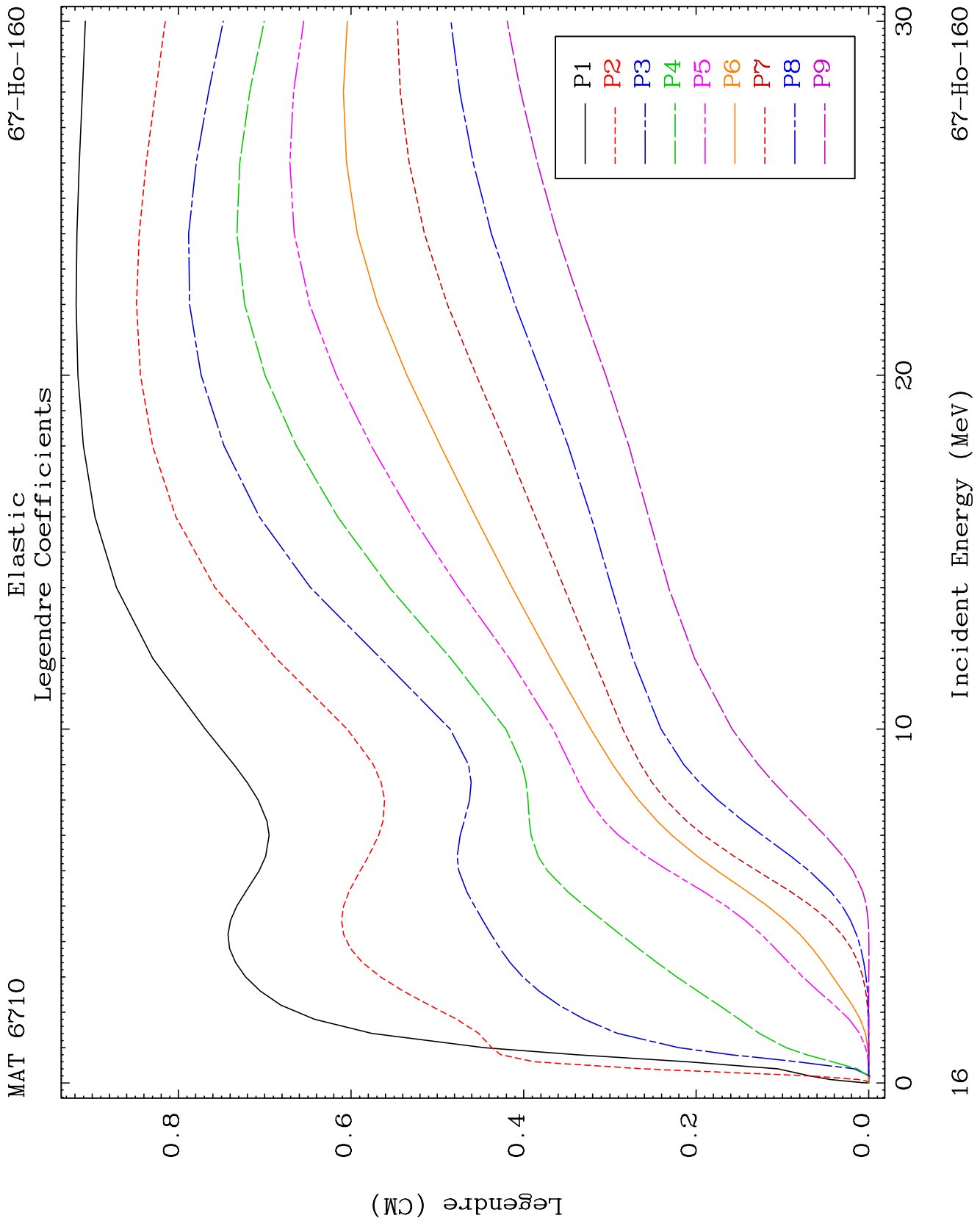
67-Ho-160

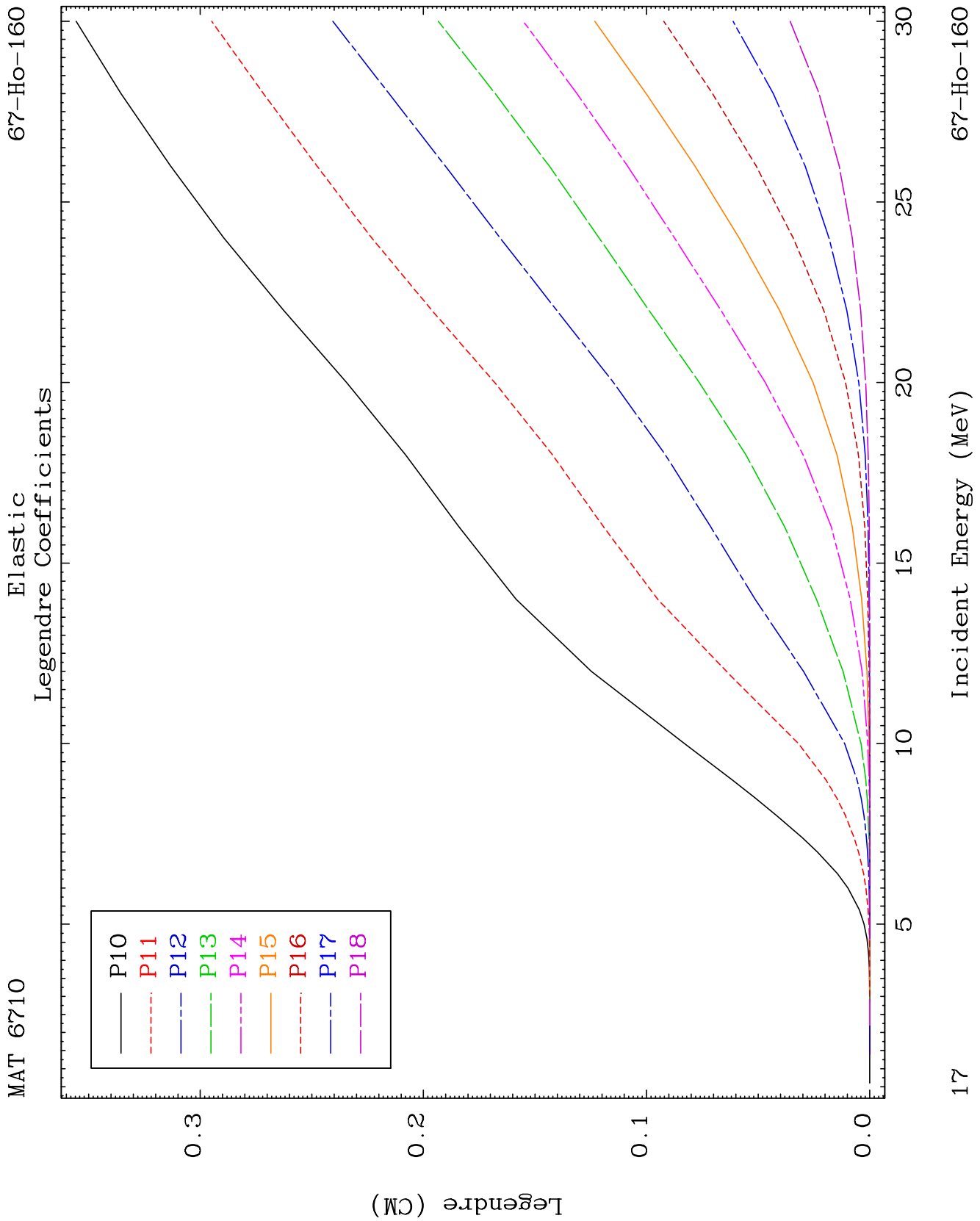
MAT 6710

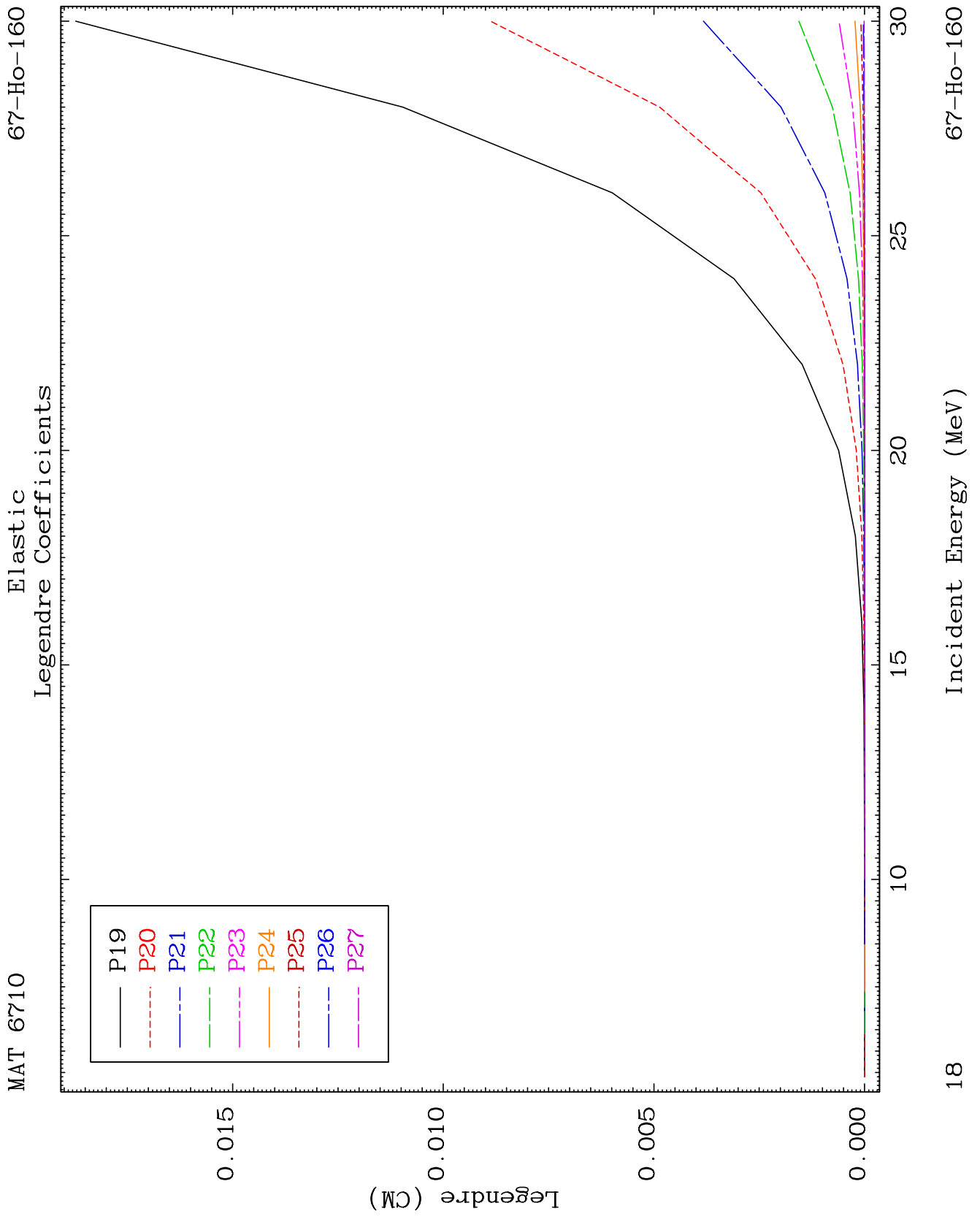
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

67-Ho-160









67-Ho-160

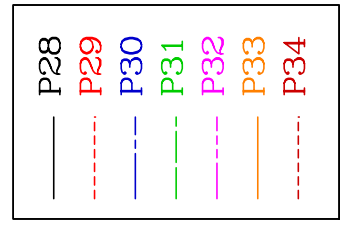
67-Ho-160

18

MAT 6710

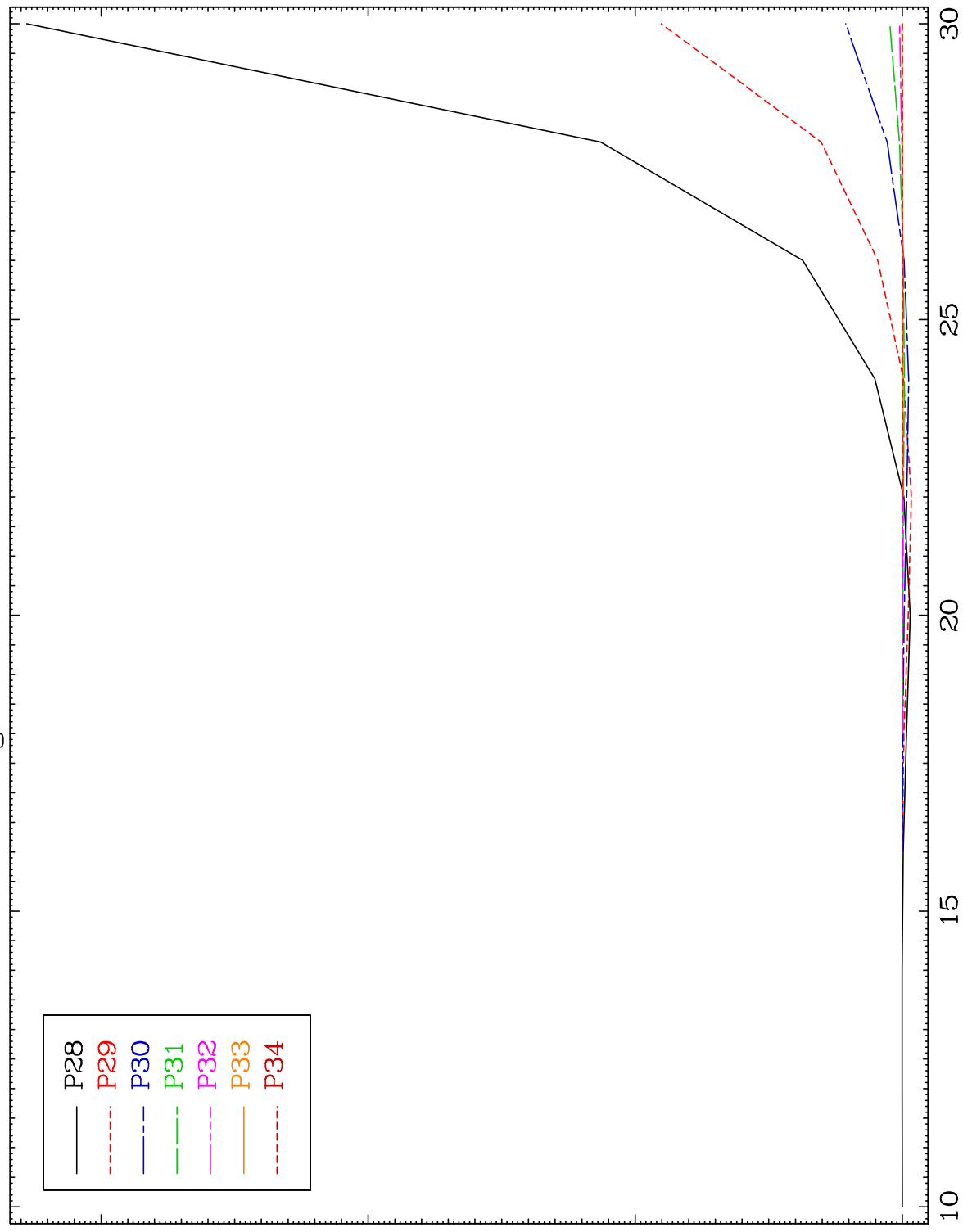
Elastic Legendre Coefficients

67-Ho-160



$\times 10^{-6}$

Legendre (CM)



10

15

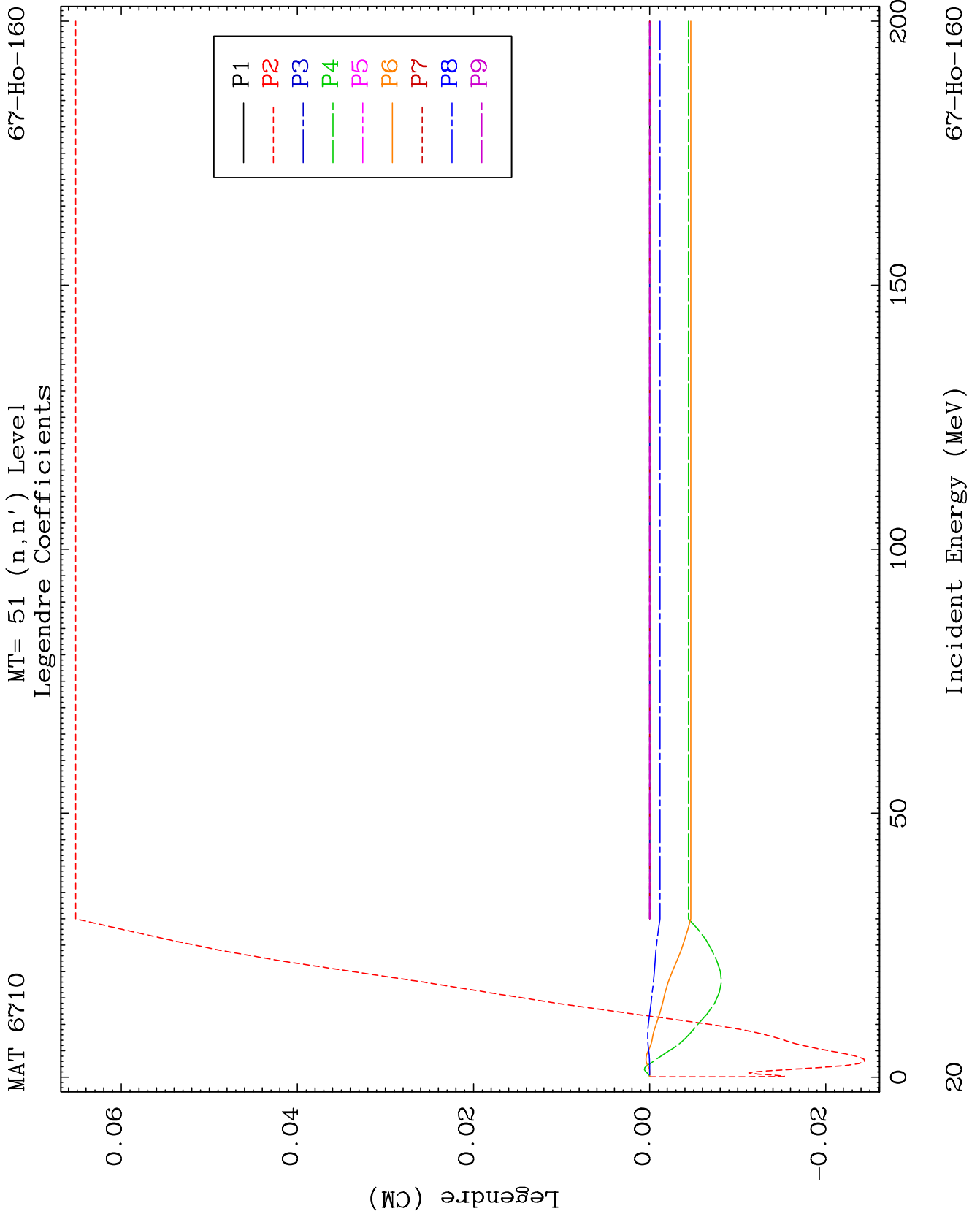
20

25

30

Incident Energy (MeV)

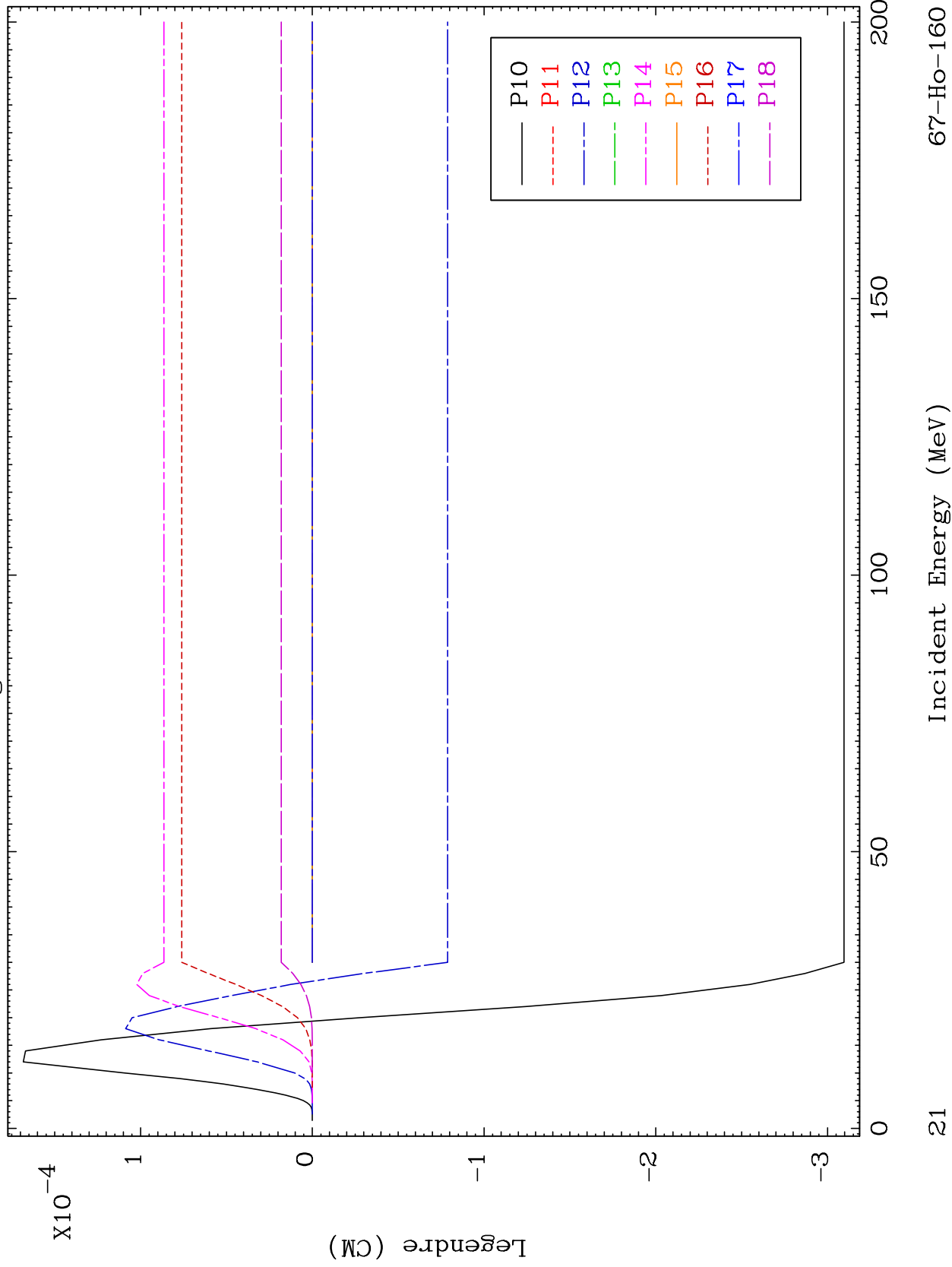
67-Ho-160



MAT 6710

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

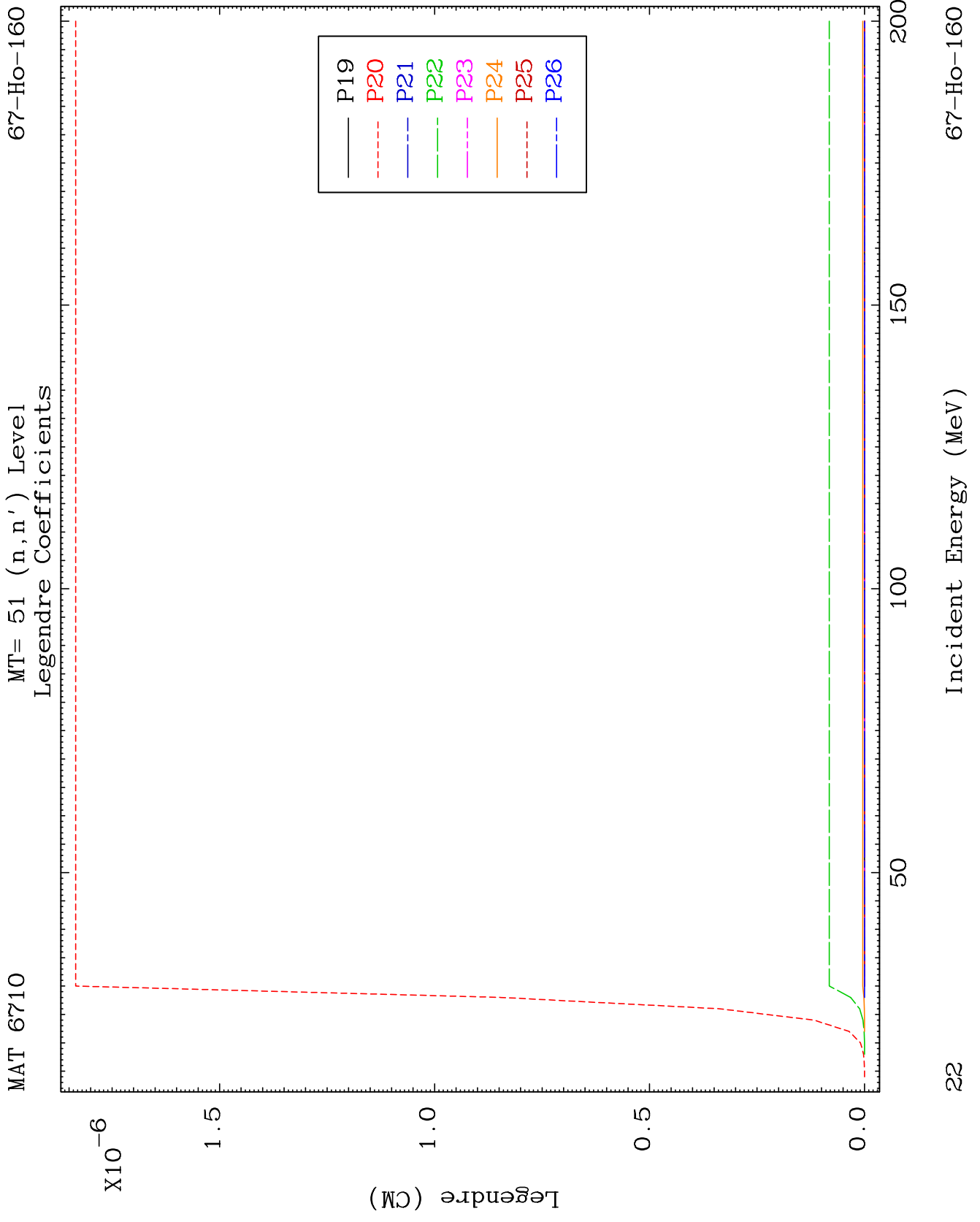
67-Ho-160



21

Incident Energy (MeV)

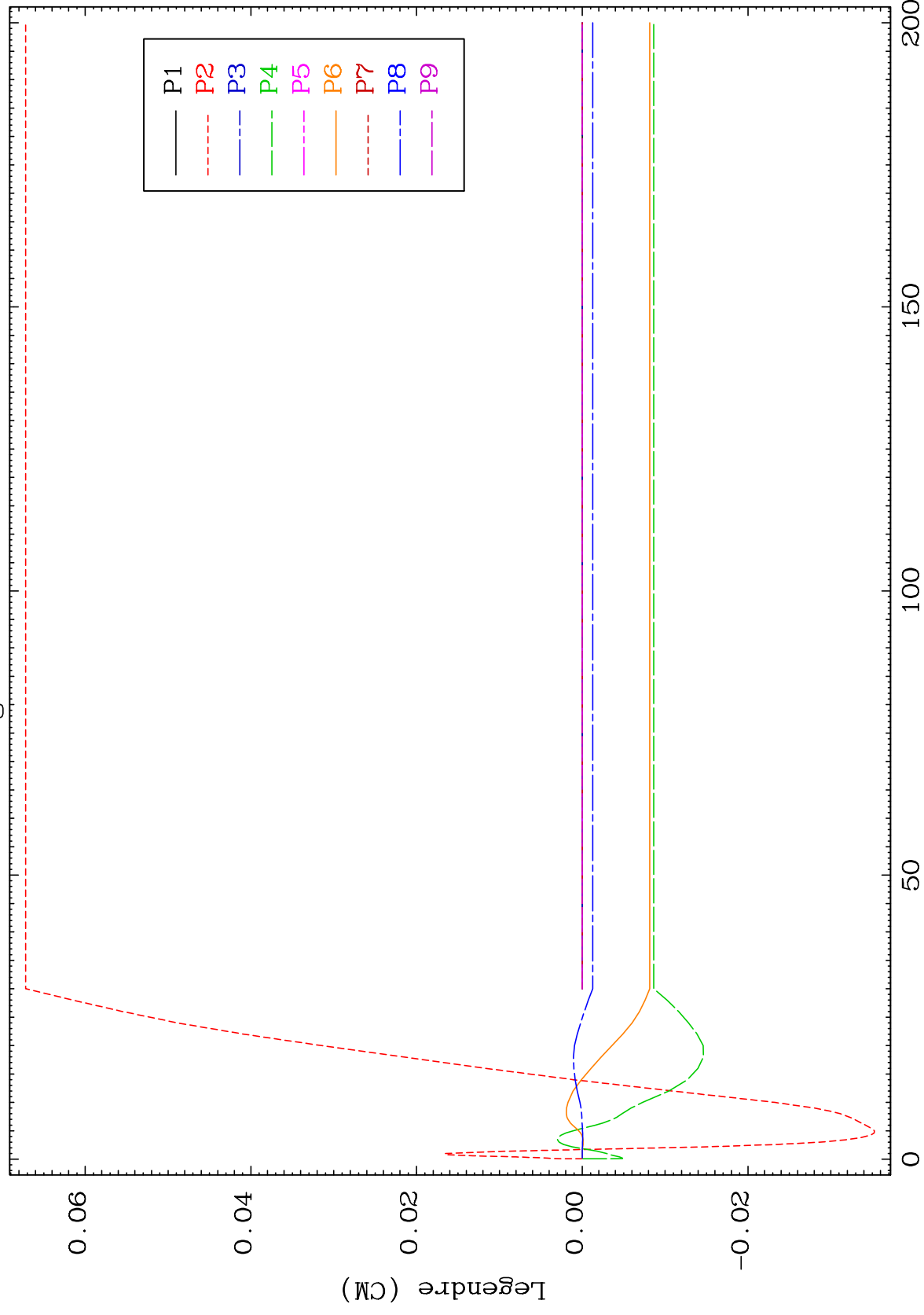
67-Ho-160



MAT 6710

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

67-Ho-160



23

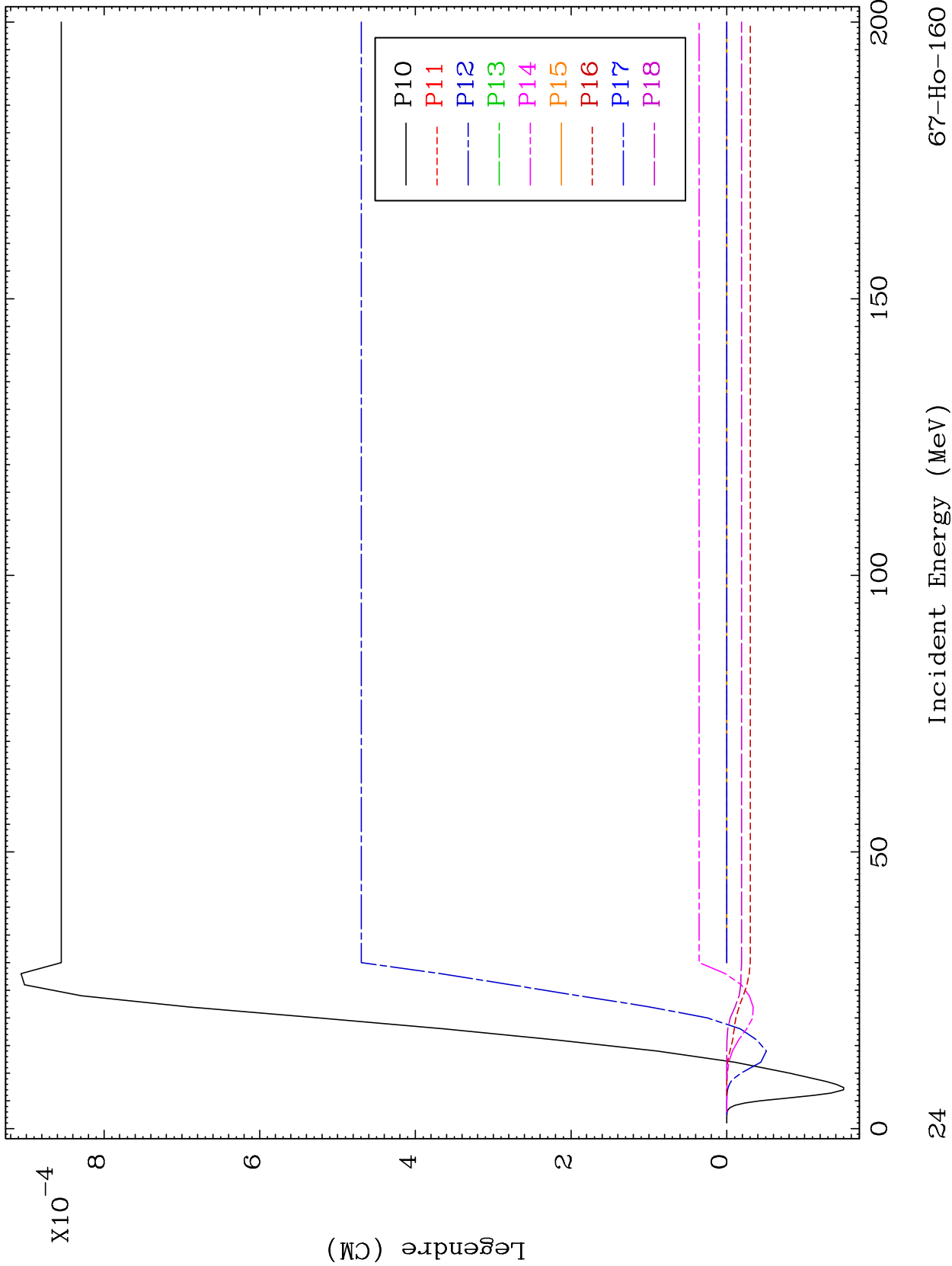
Incident Energy (MeV)

67-Ho-160

MAT 6710

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

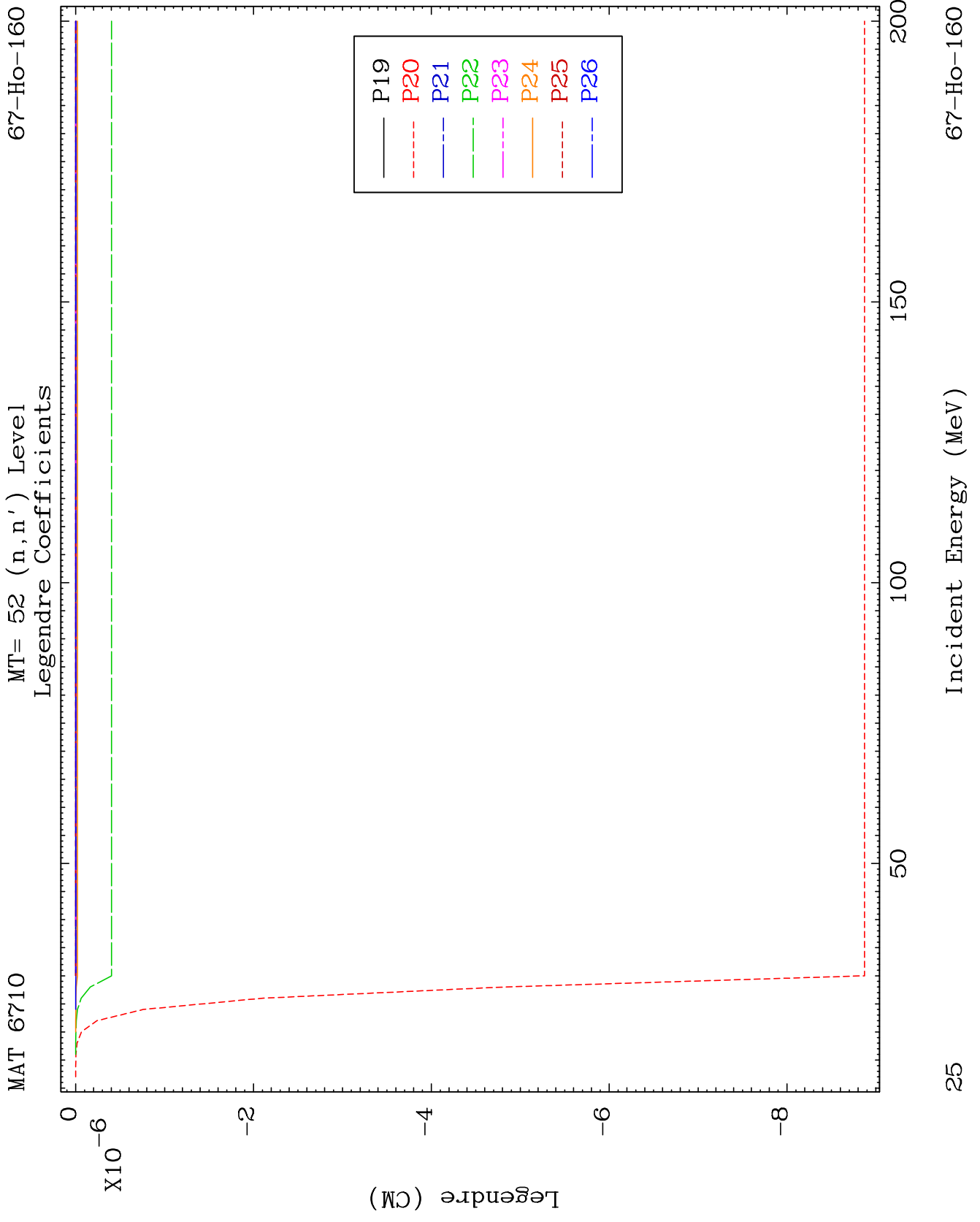
67-Ho-160



24

Incident Energy (MeV)

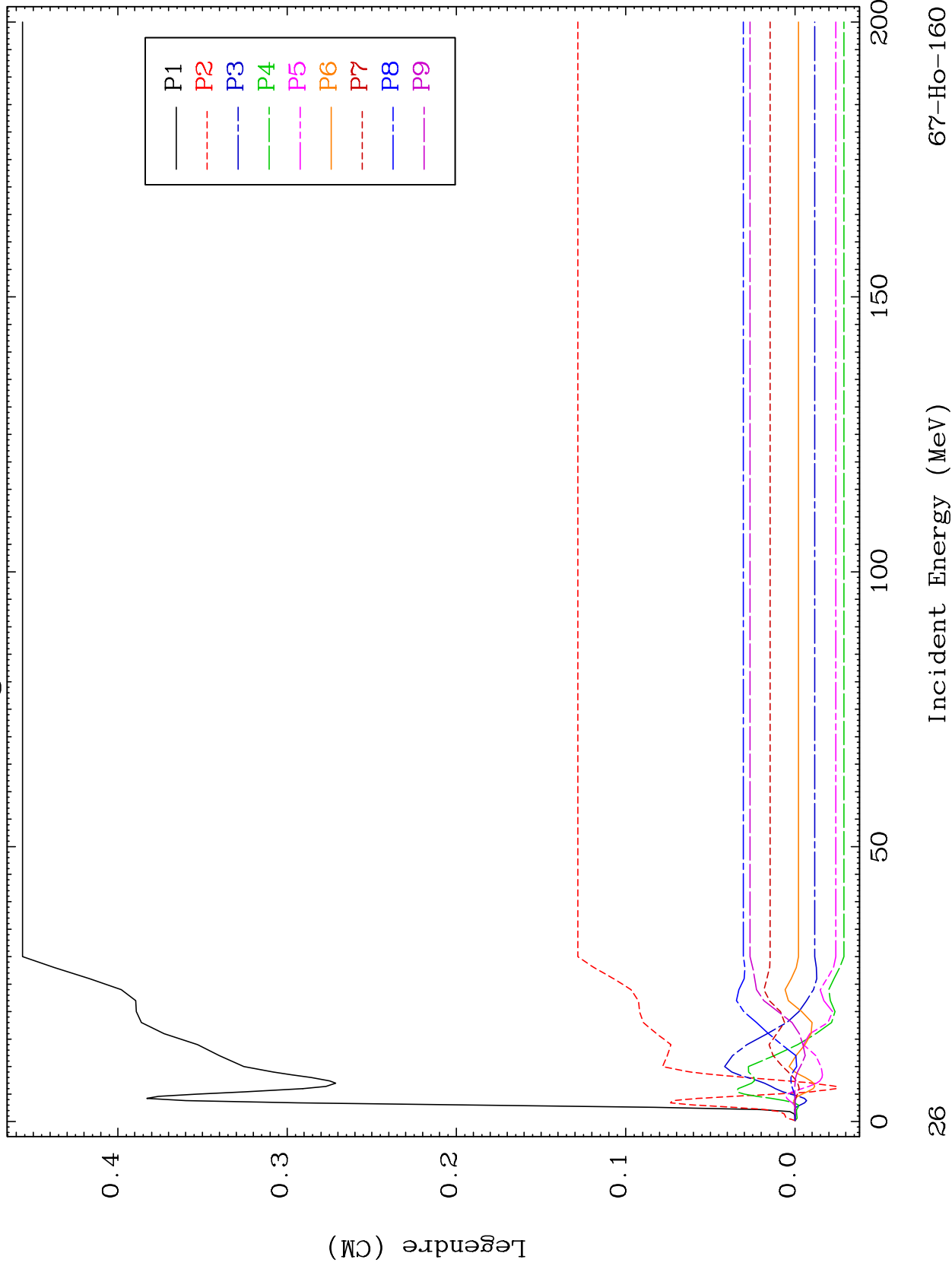
67-Ho-160



MAT 6710

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

67-Ho-160



26

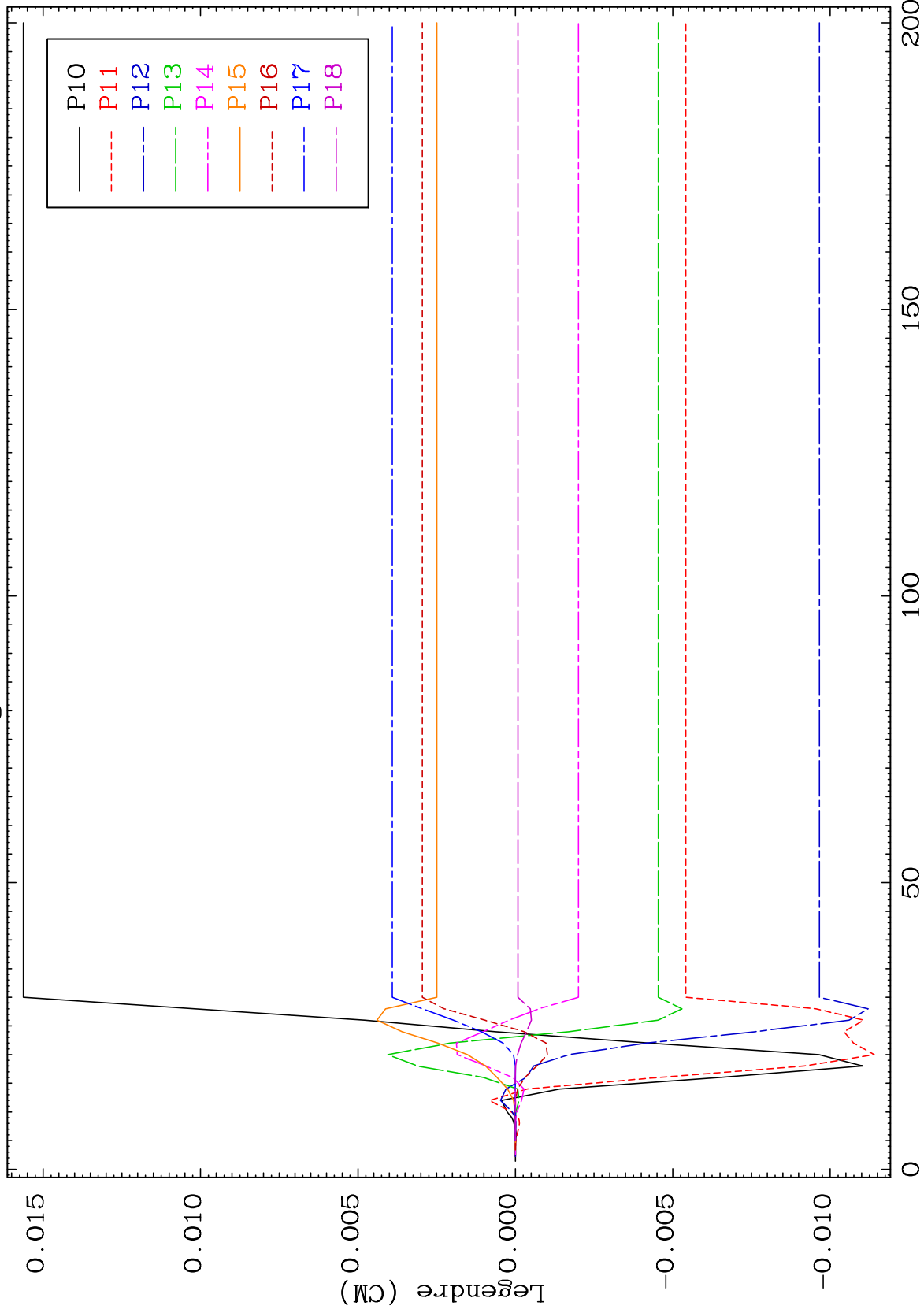
Incident Energy (MeV)

67-Ho-160

MAT 6710

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

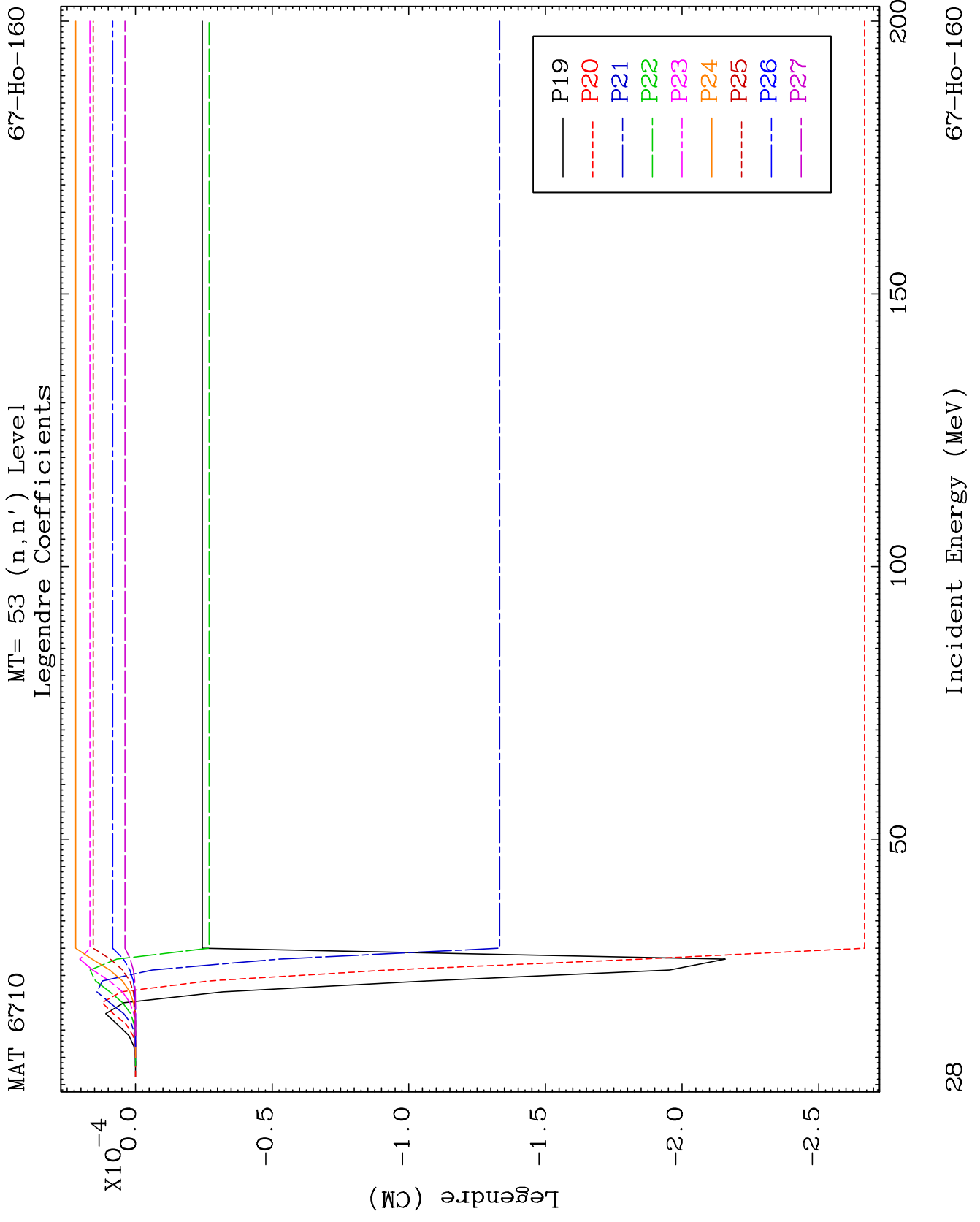
67-Ho-160



27

Incident Energy (MeV)

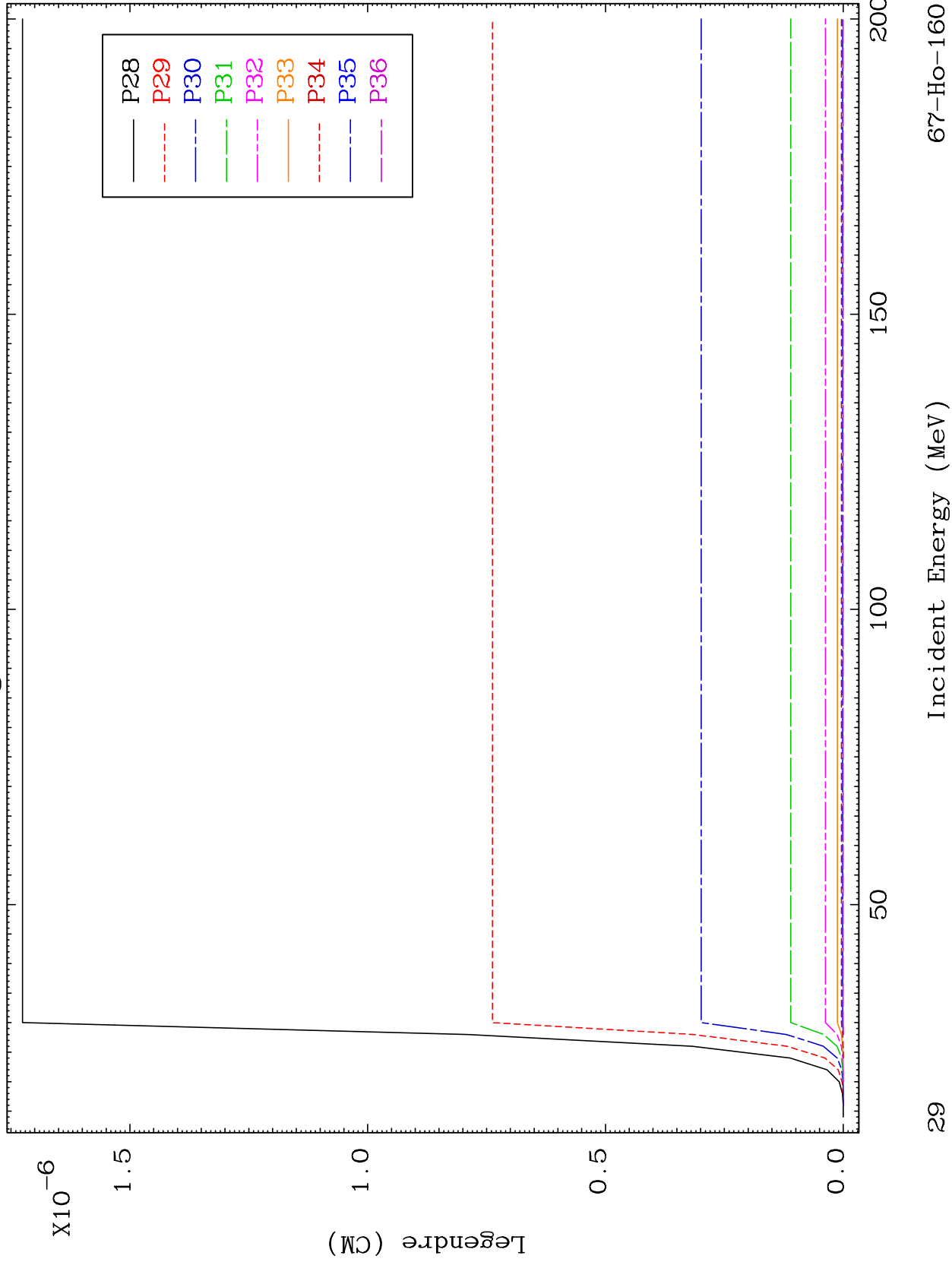
67-Ho-160



MAT 6710

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

67-Ho-160



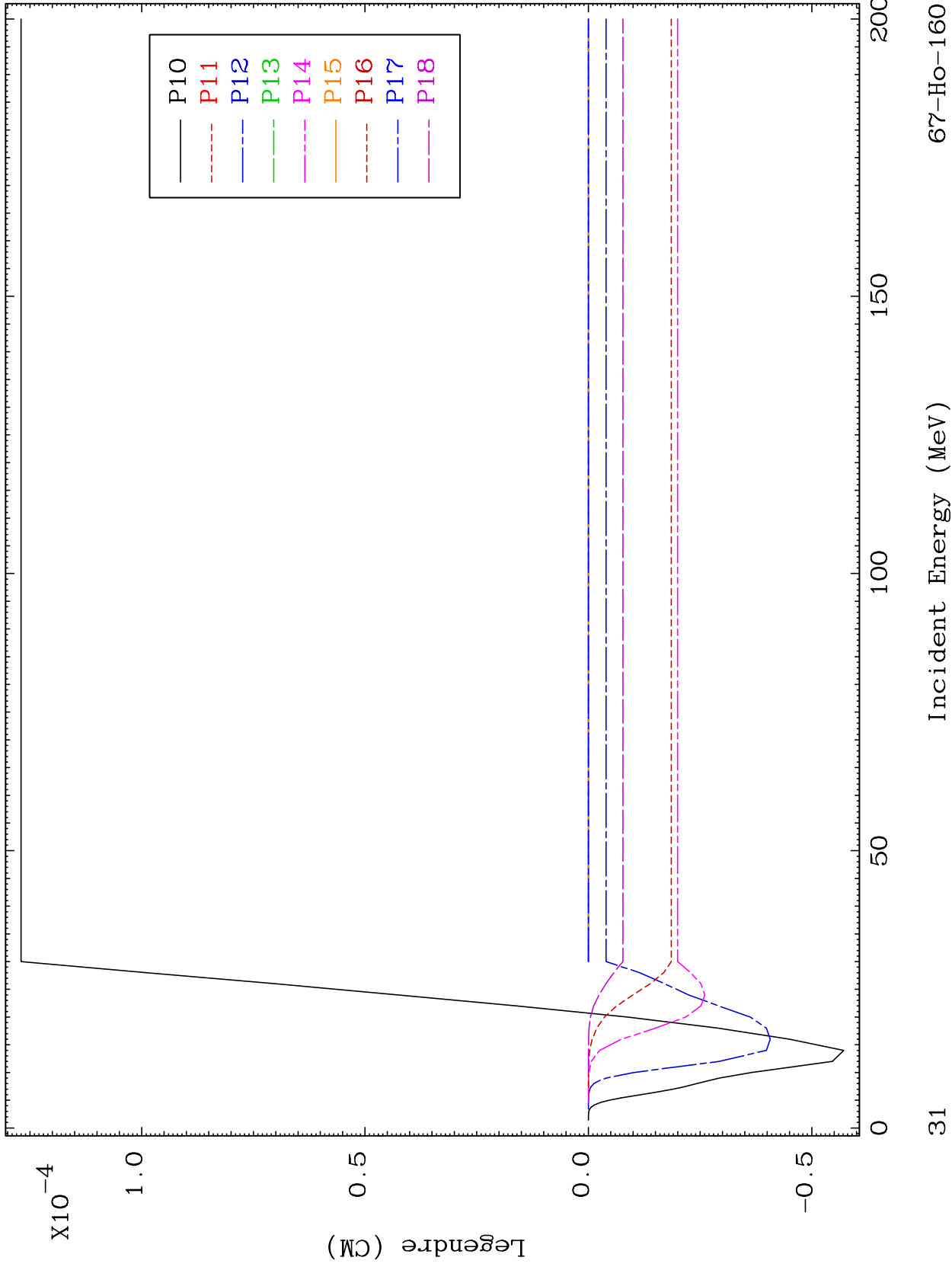
29



MAT 6710

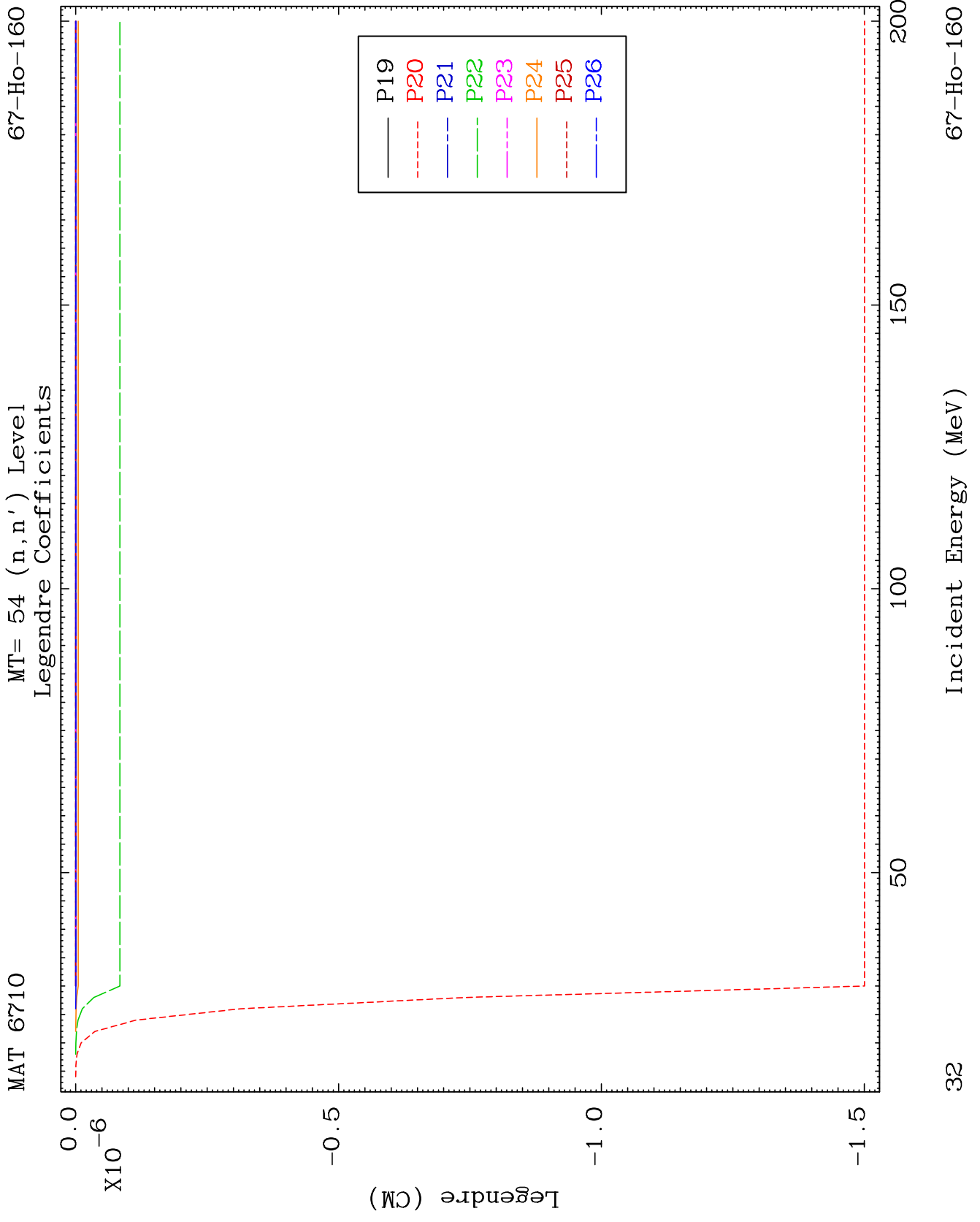
MT= 54 (n,n') Level  
Legendre Coefficients

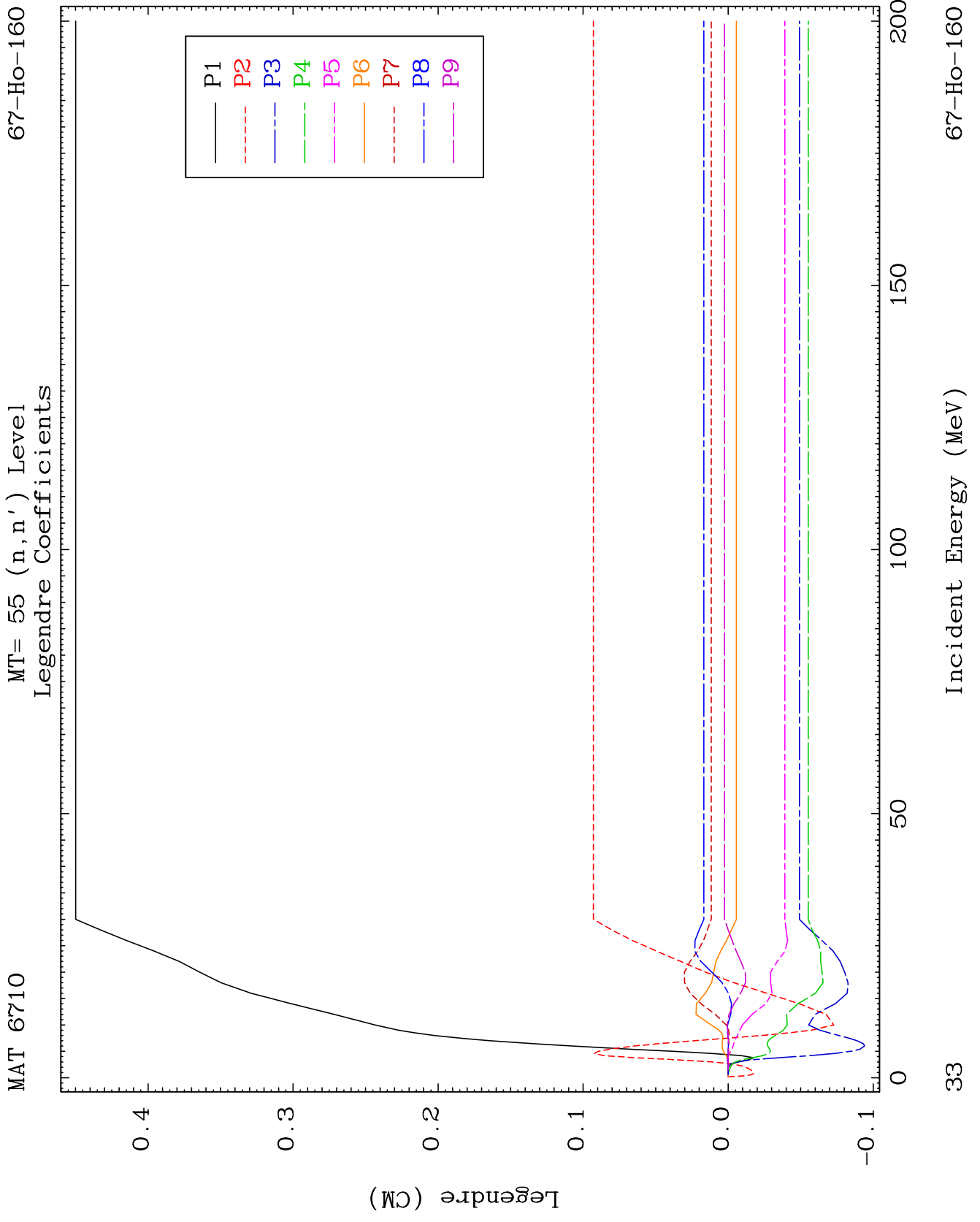
67-Ho-160



31

67-Ho-160

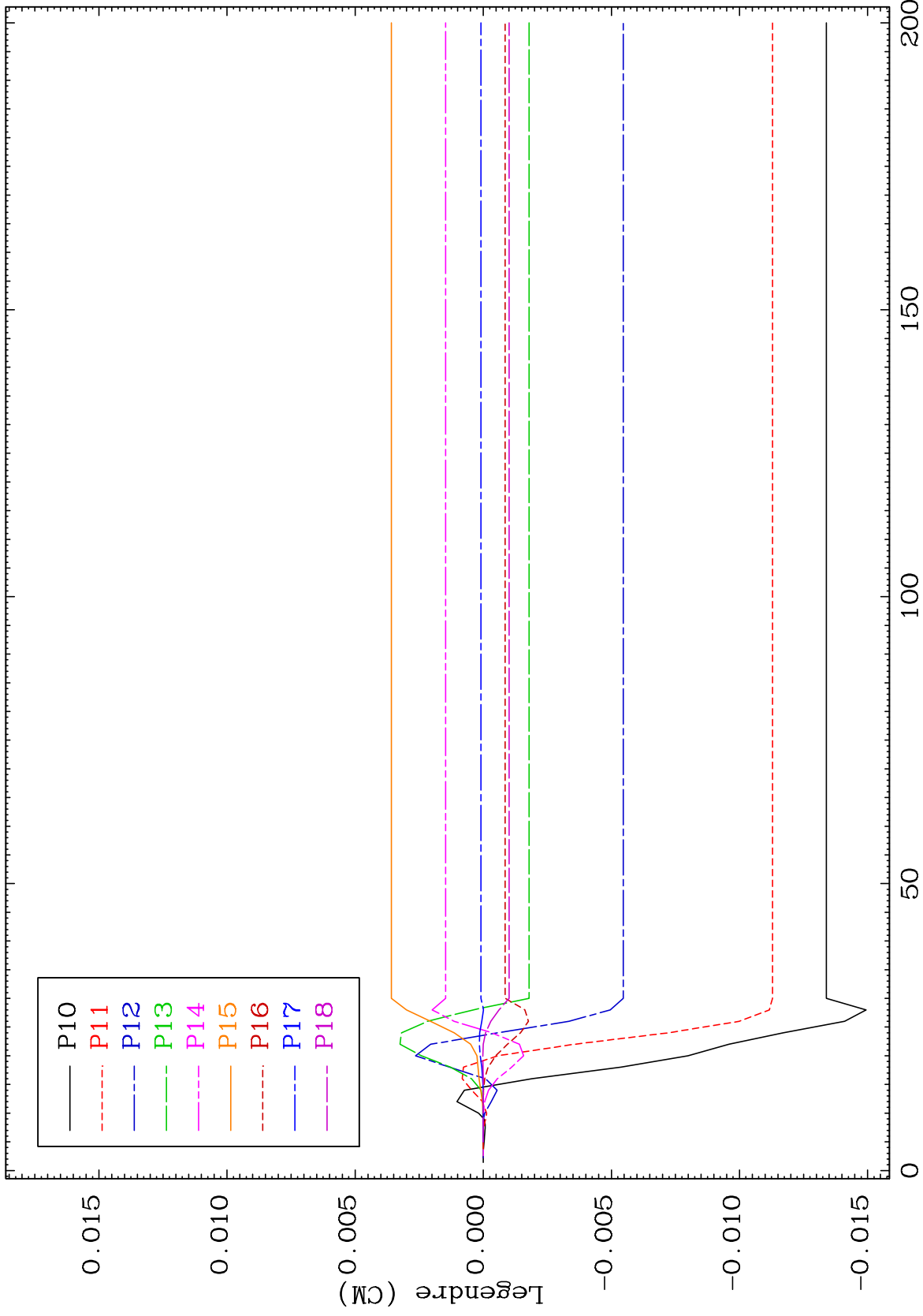




MAT 6710

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

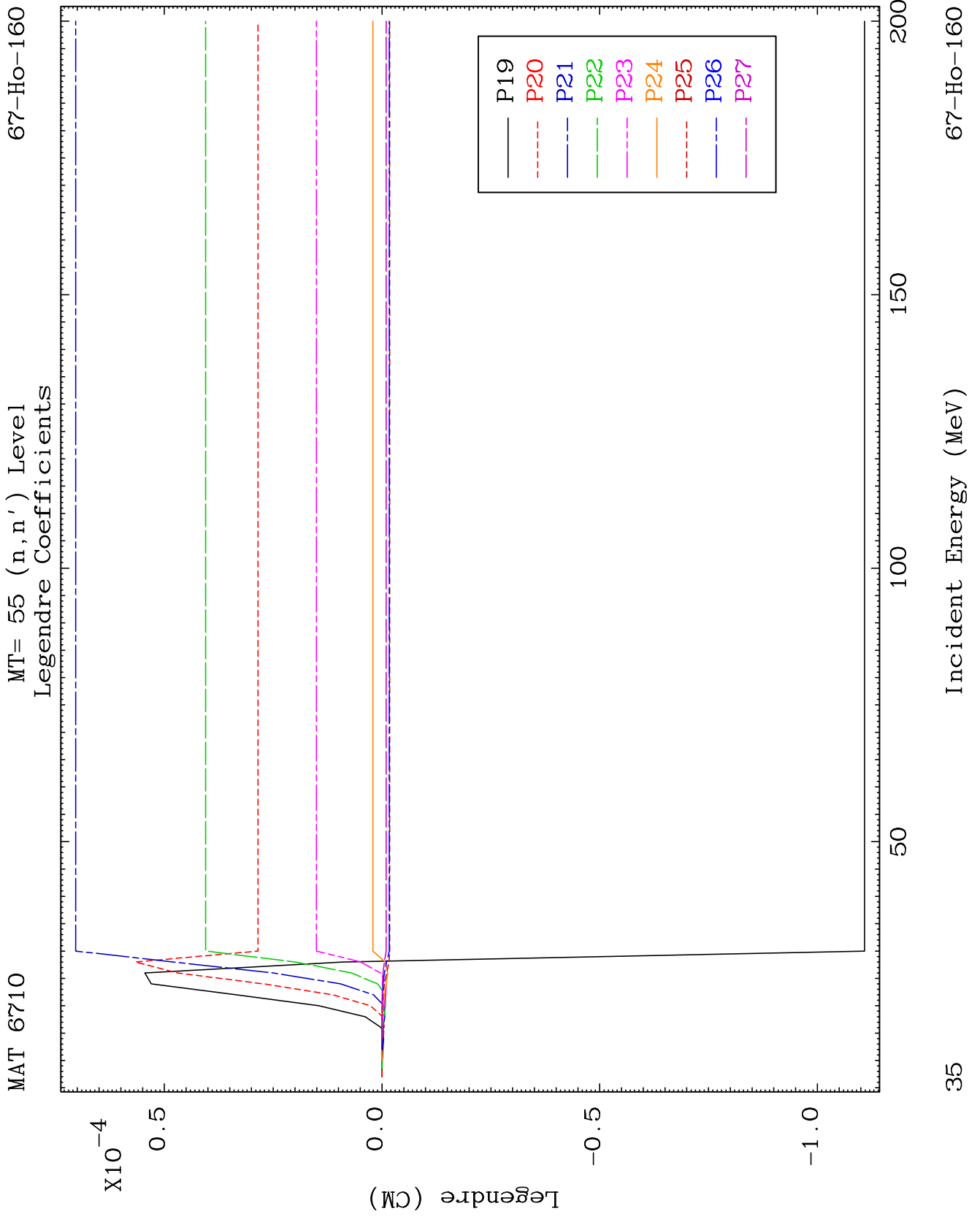
67-Ho-160

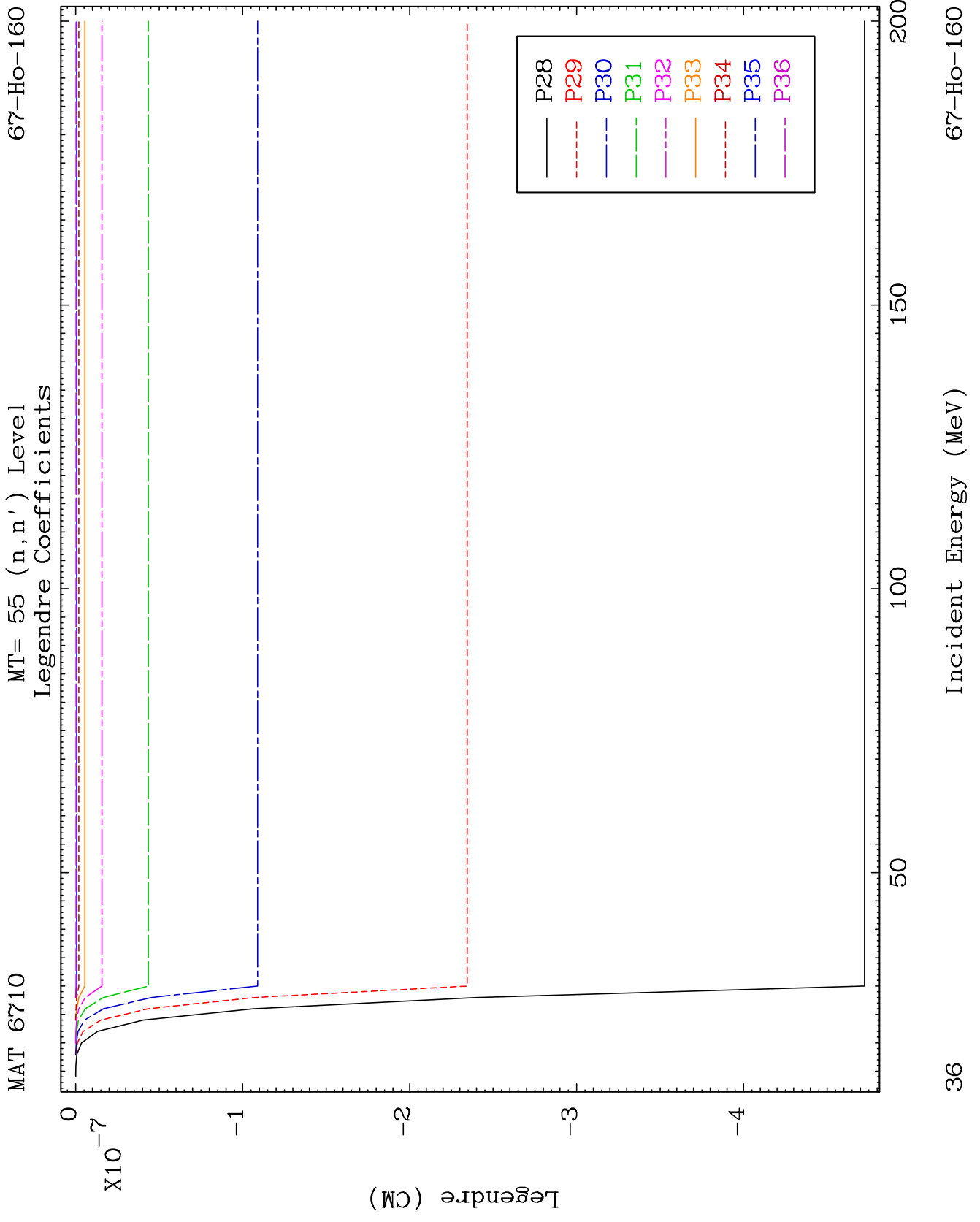


34

Incident Energy (MeV)

67-Ho-160





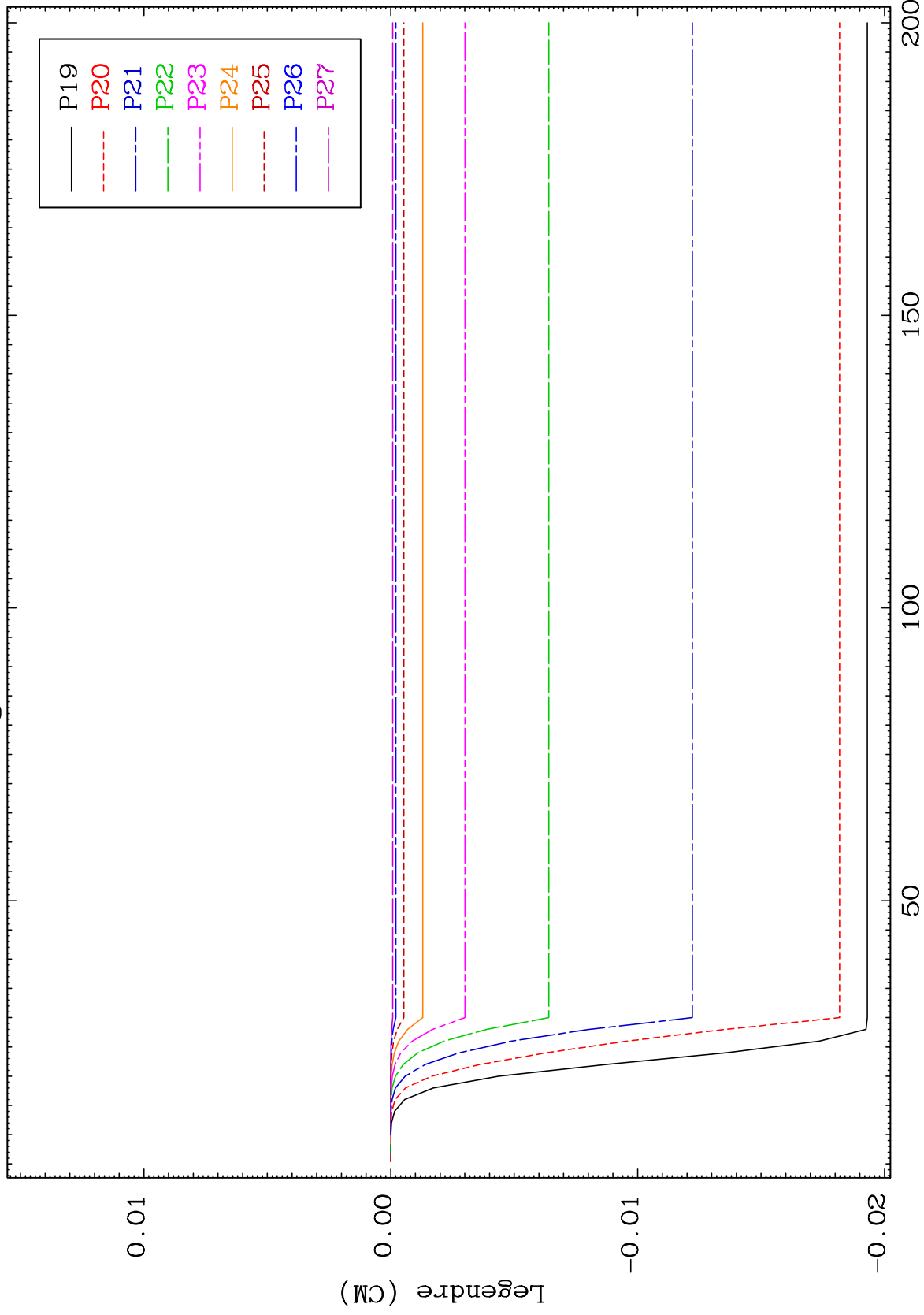




MAT 6710

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

67-Ho-160



39

Incident Energy (MeV)

67-Ho-160

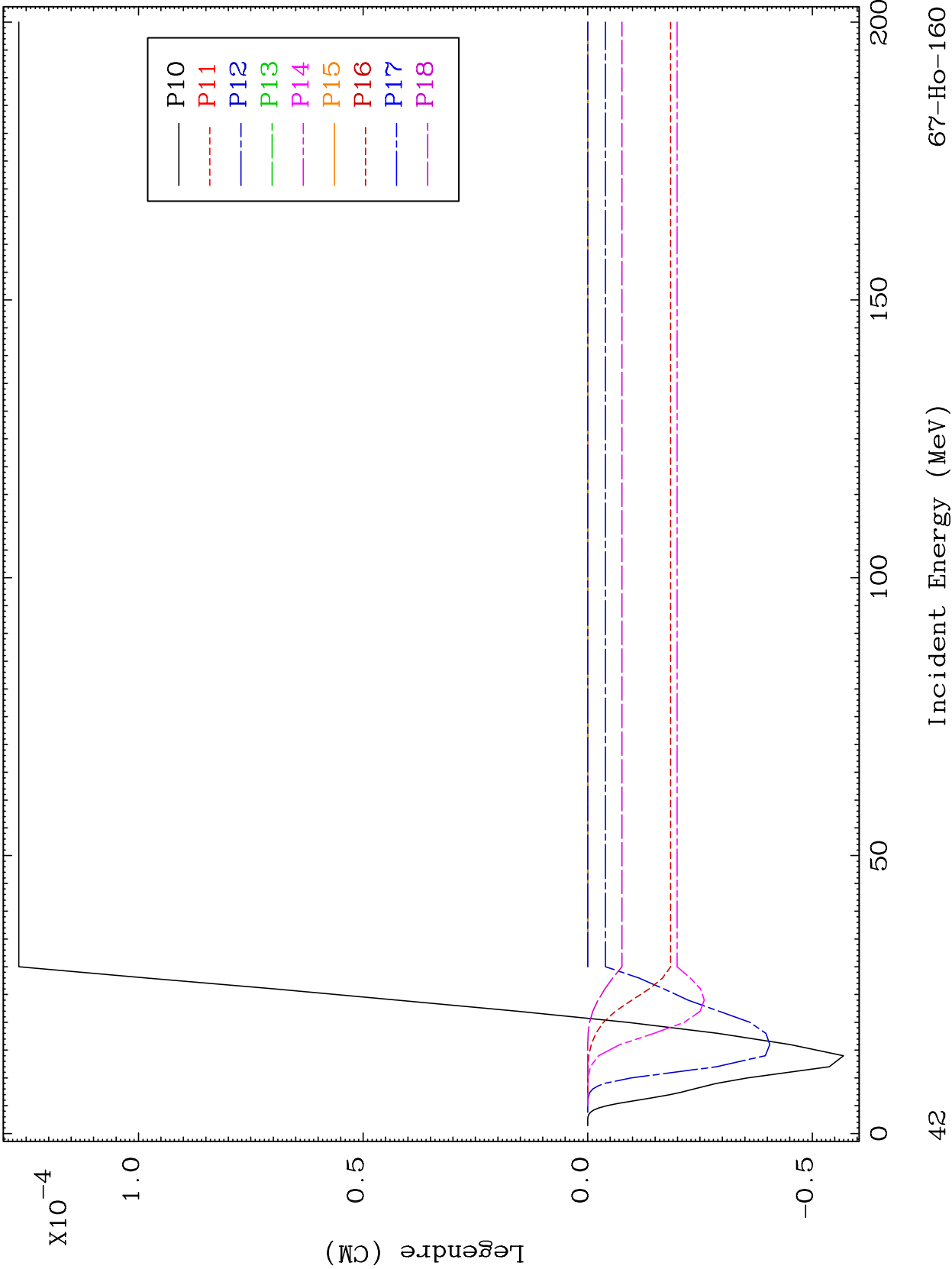




MAT 6710

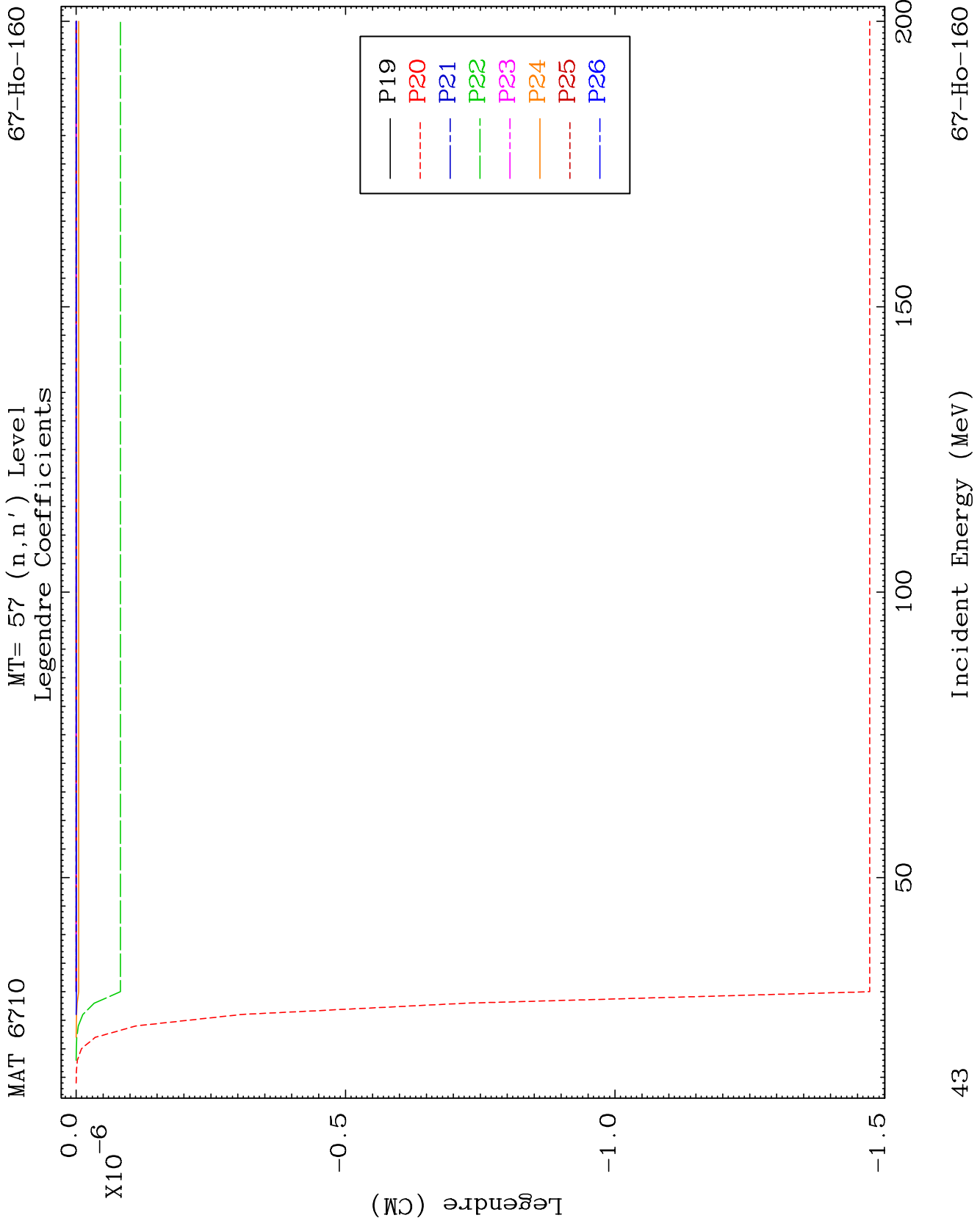
MT= 57 (n,n') Level  
Legendre Coefficients

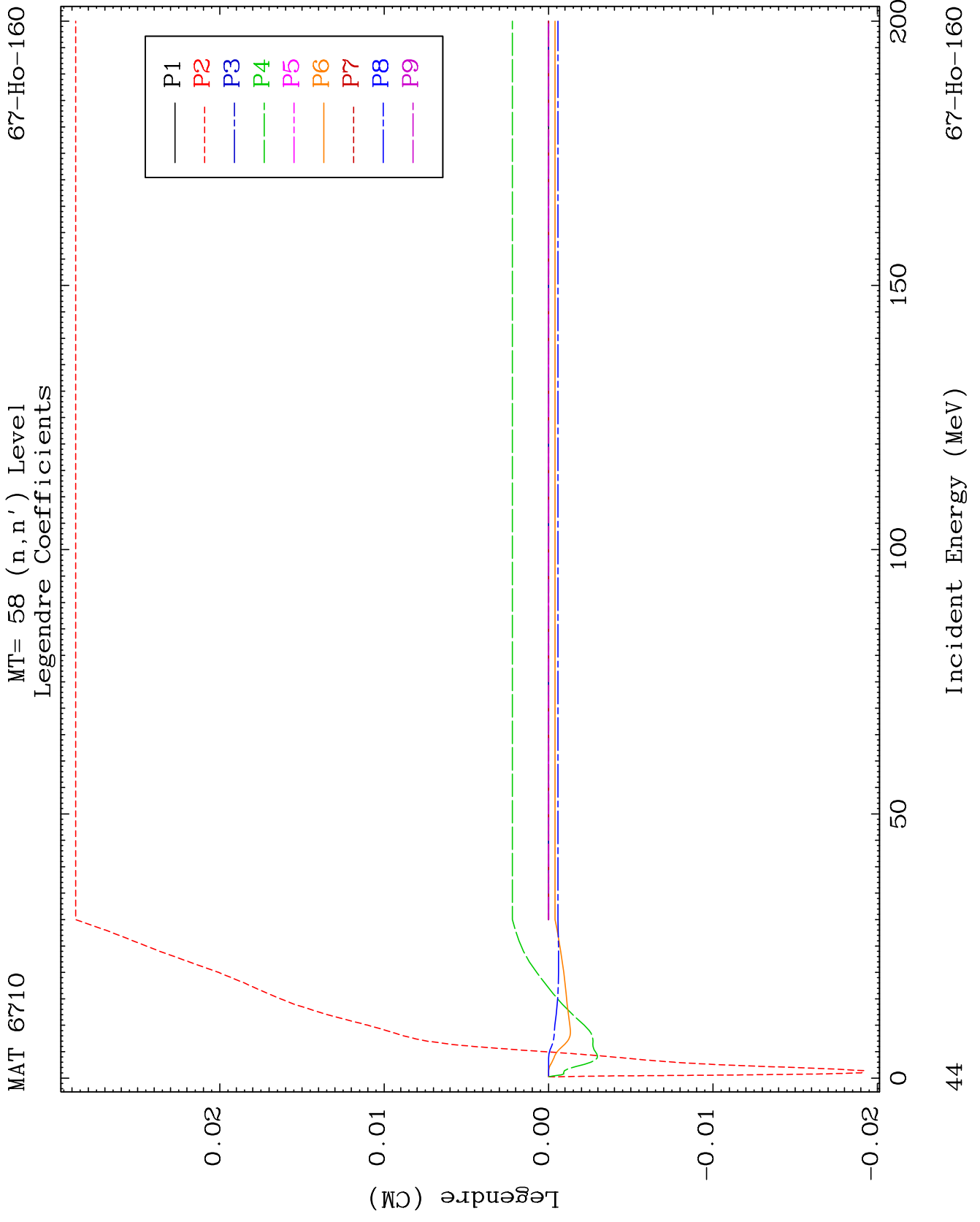
67-Ho-160



42

67-Ho-160

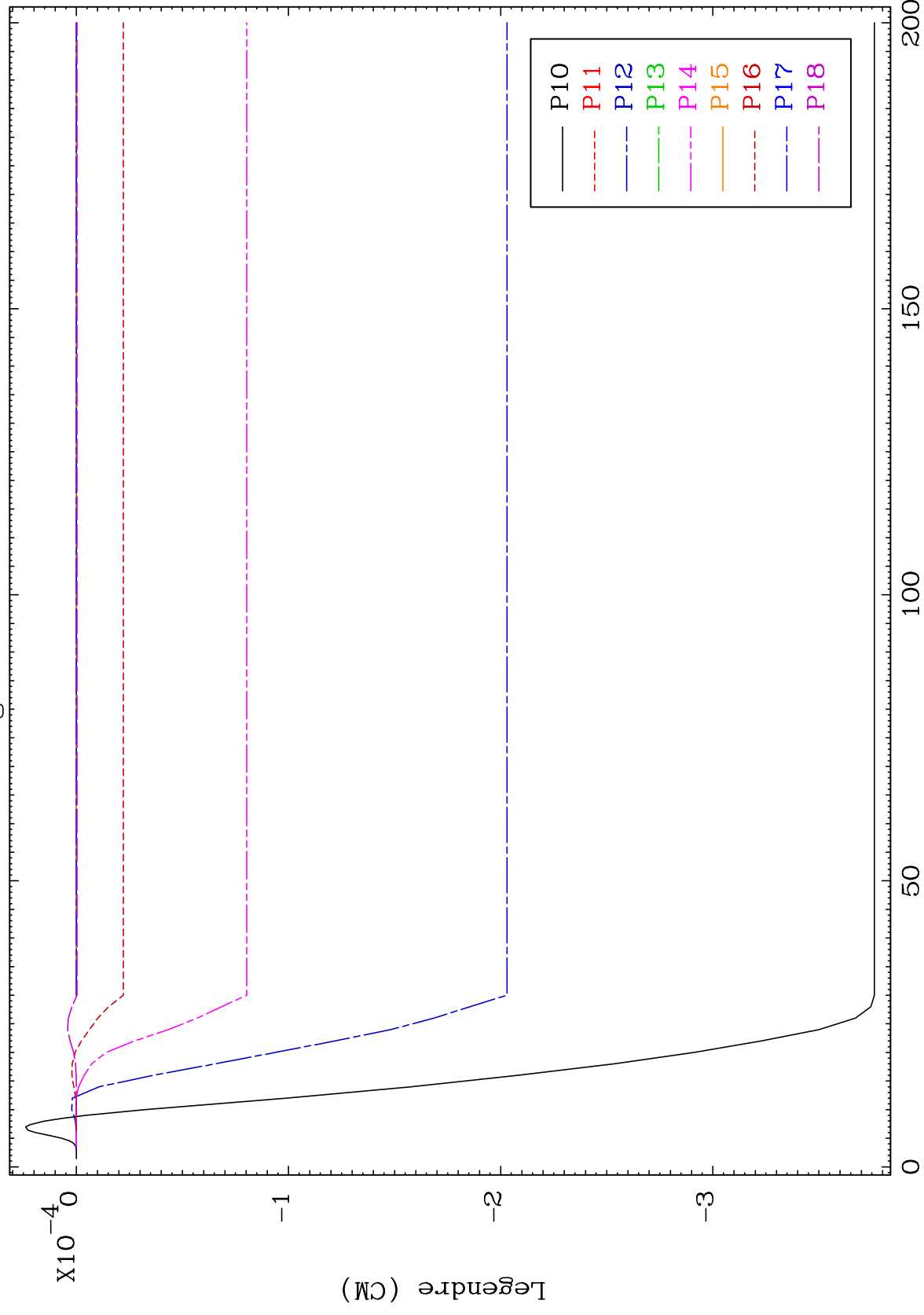




MAT 6710

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

67-Ho-160

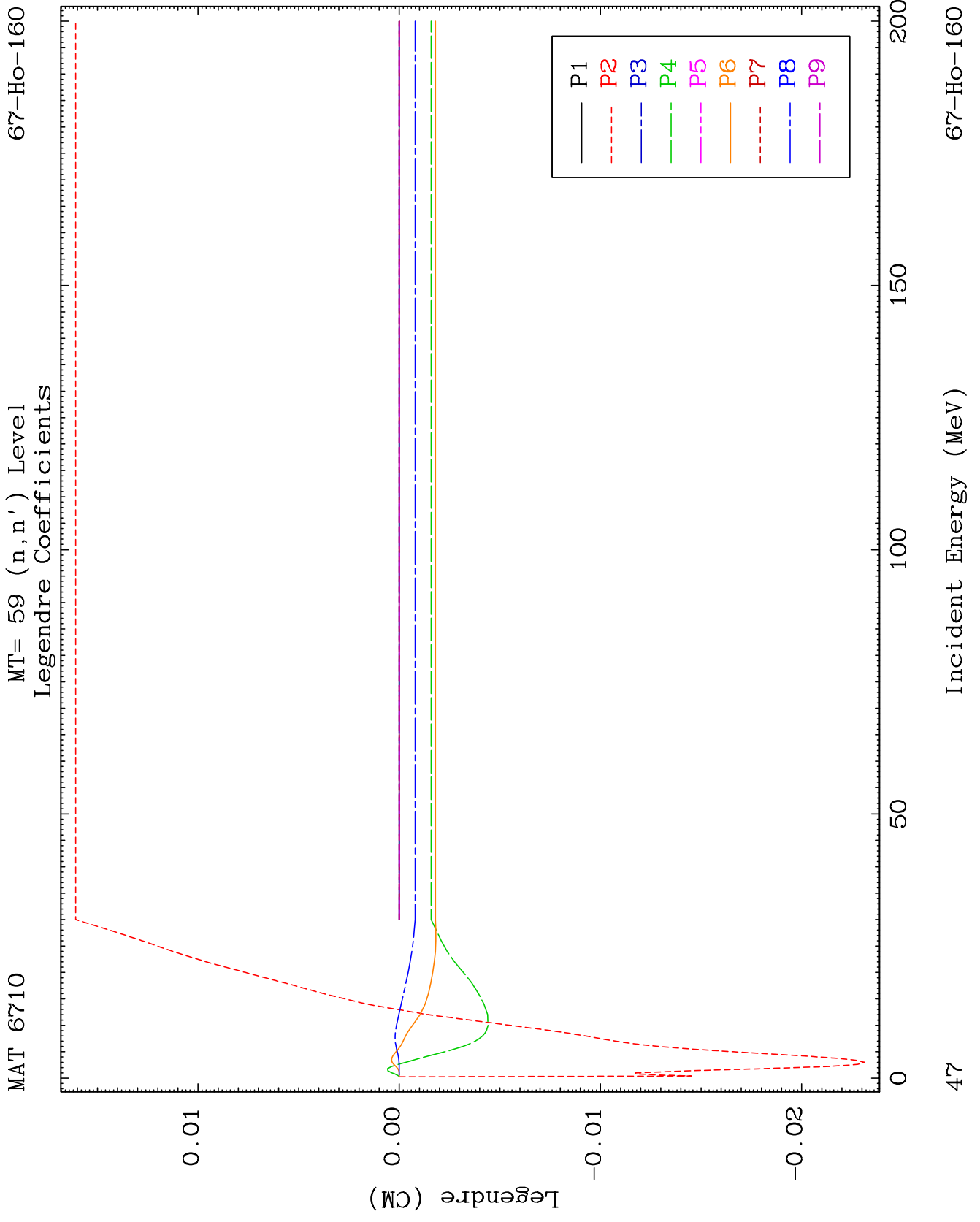


45

Incident Energy (MeV)

67-Ho-160

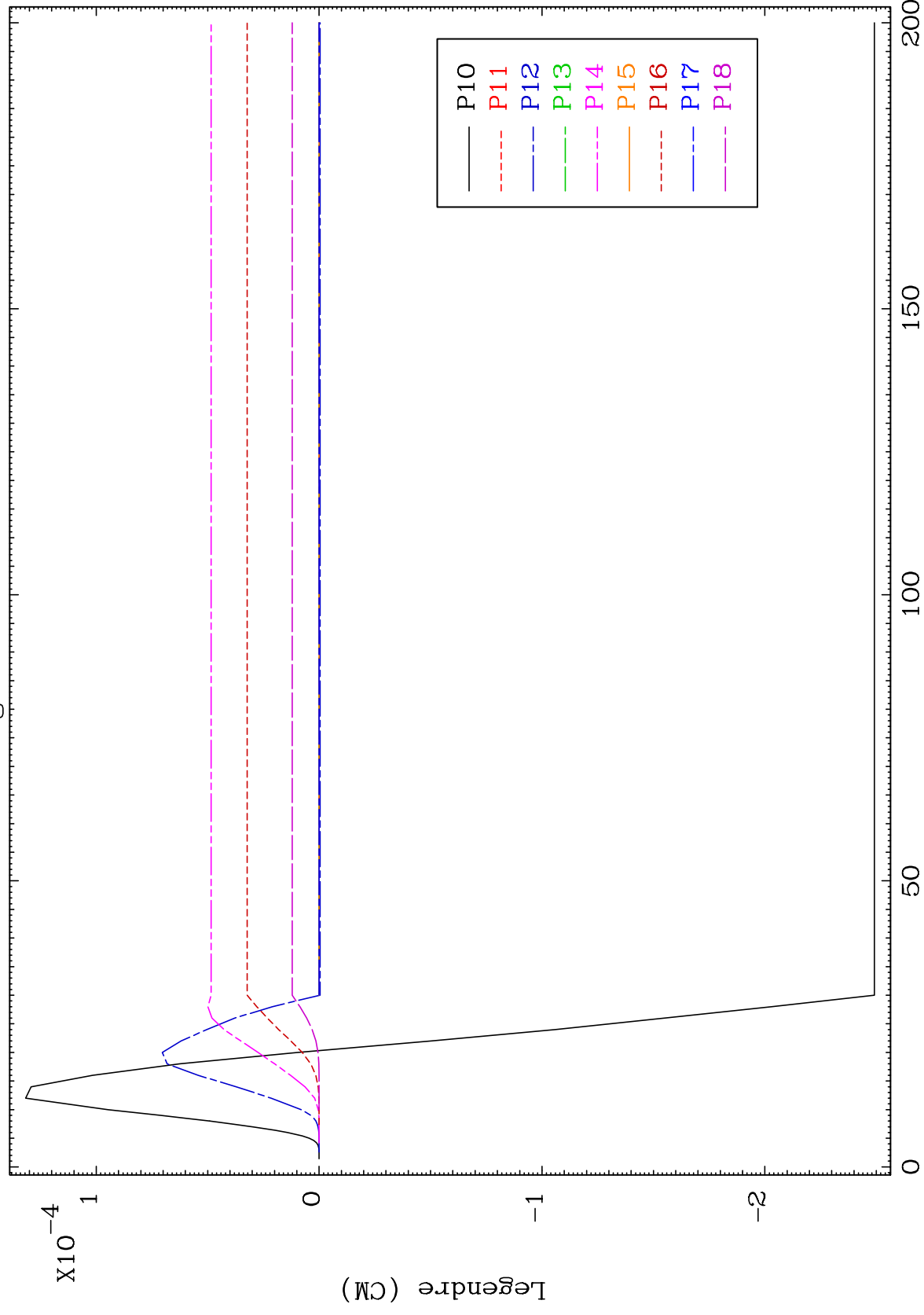




MAT 6710

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

67-Ho-160



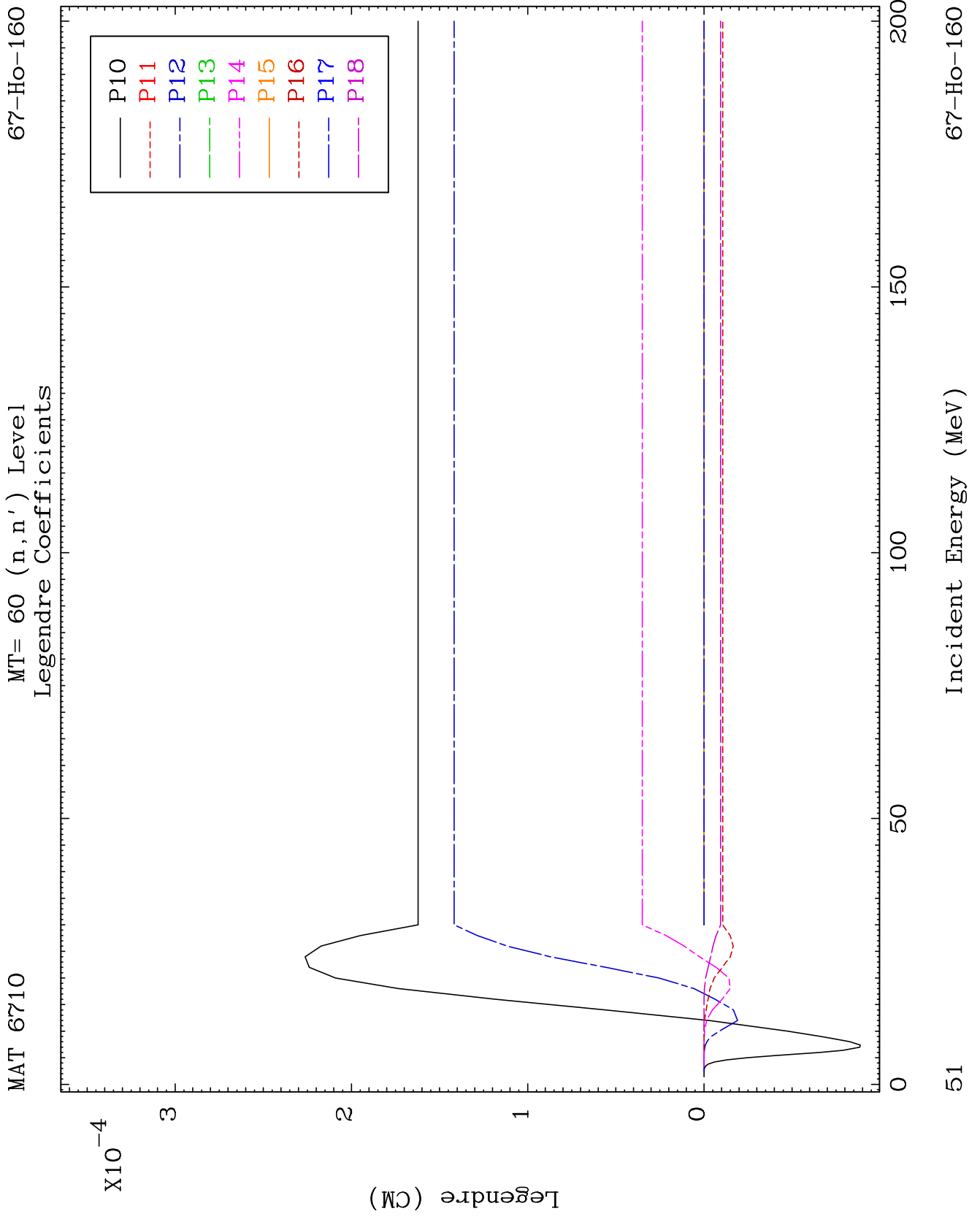
48

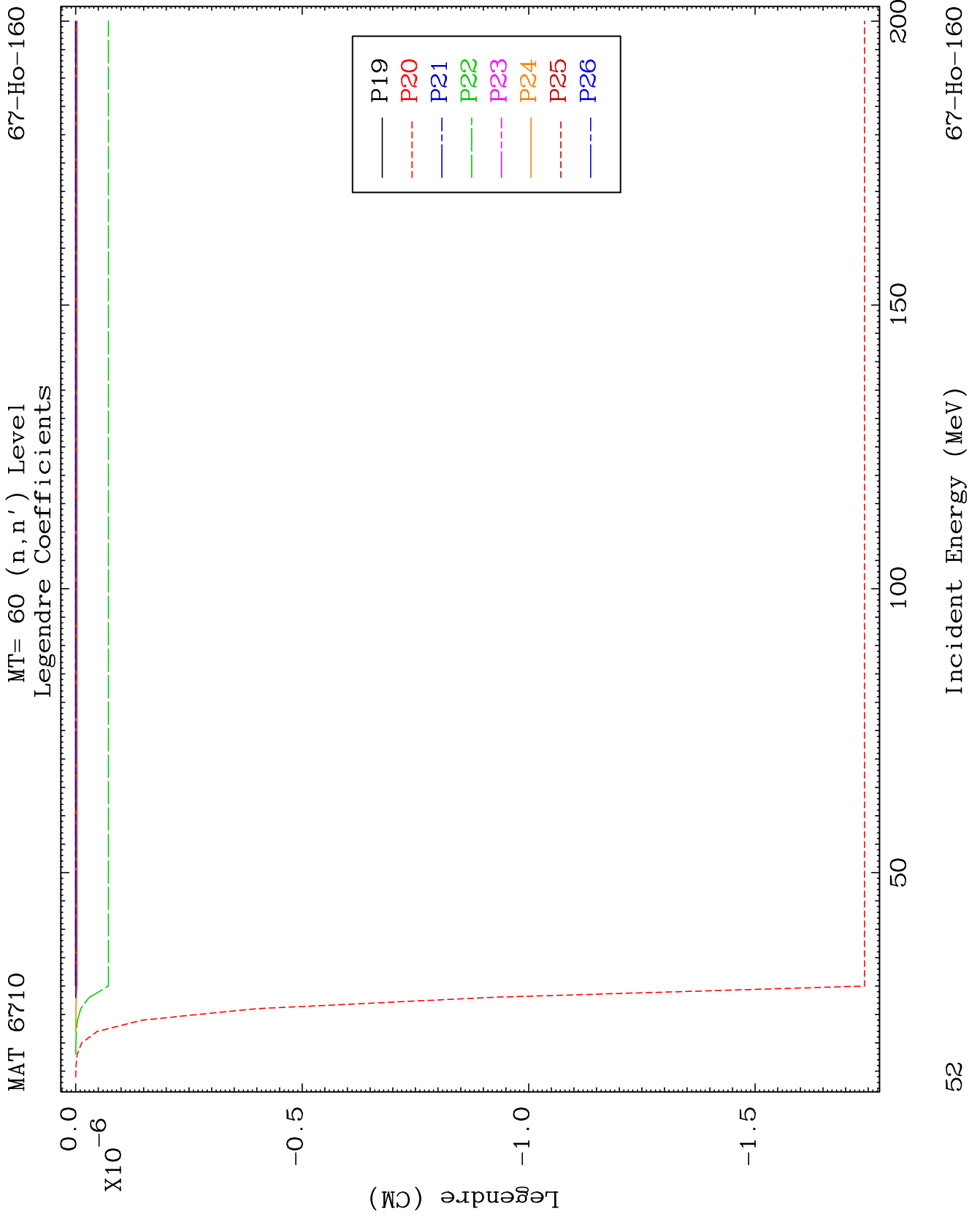
Incident Energy (MeV)

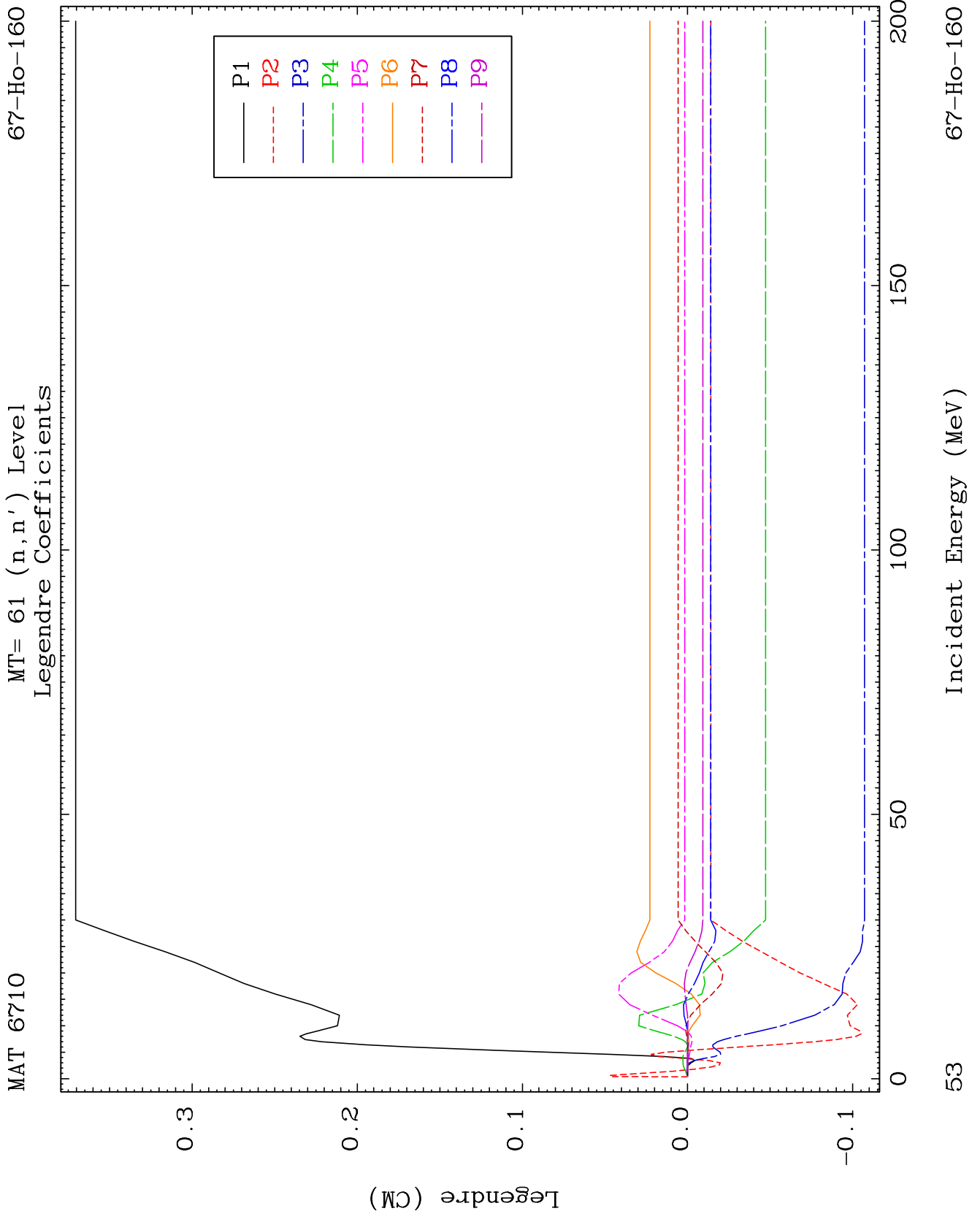
67-Ho-160

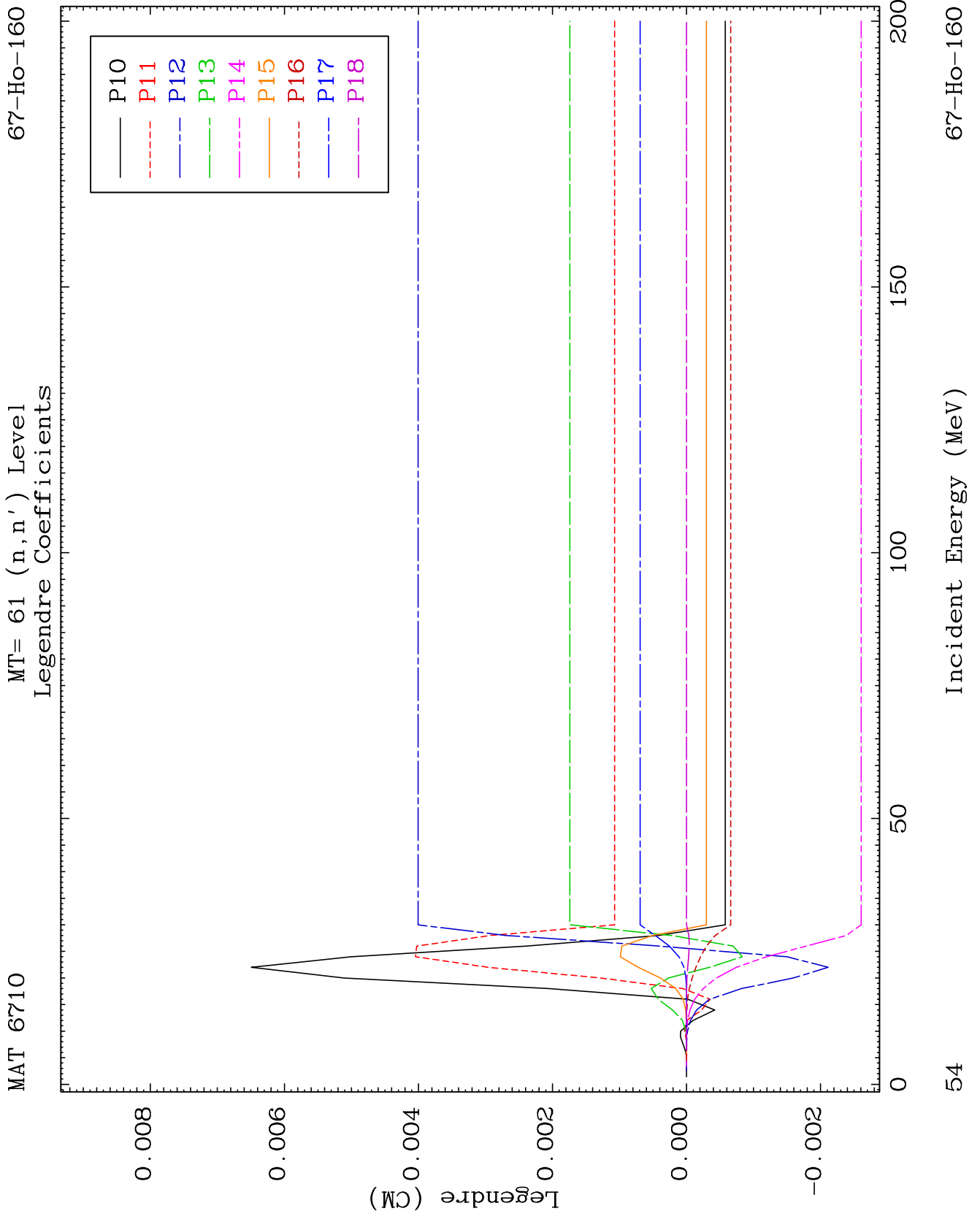


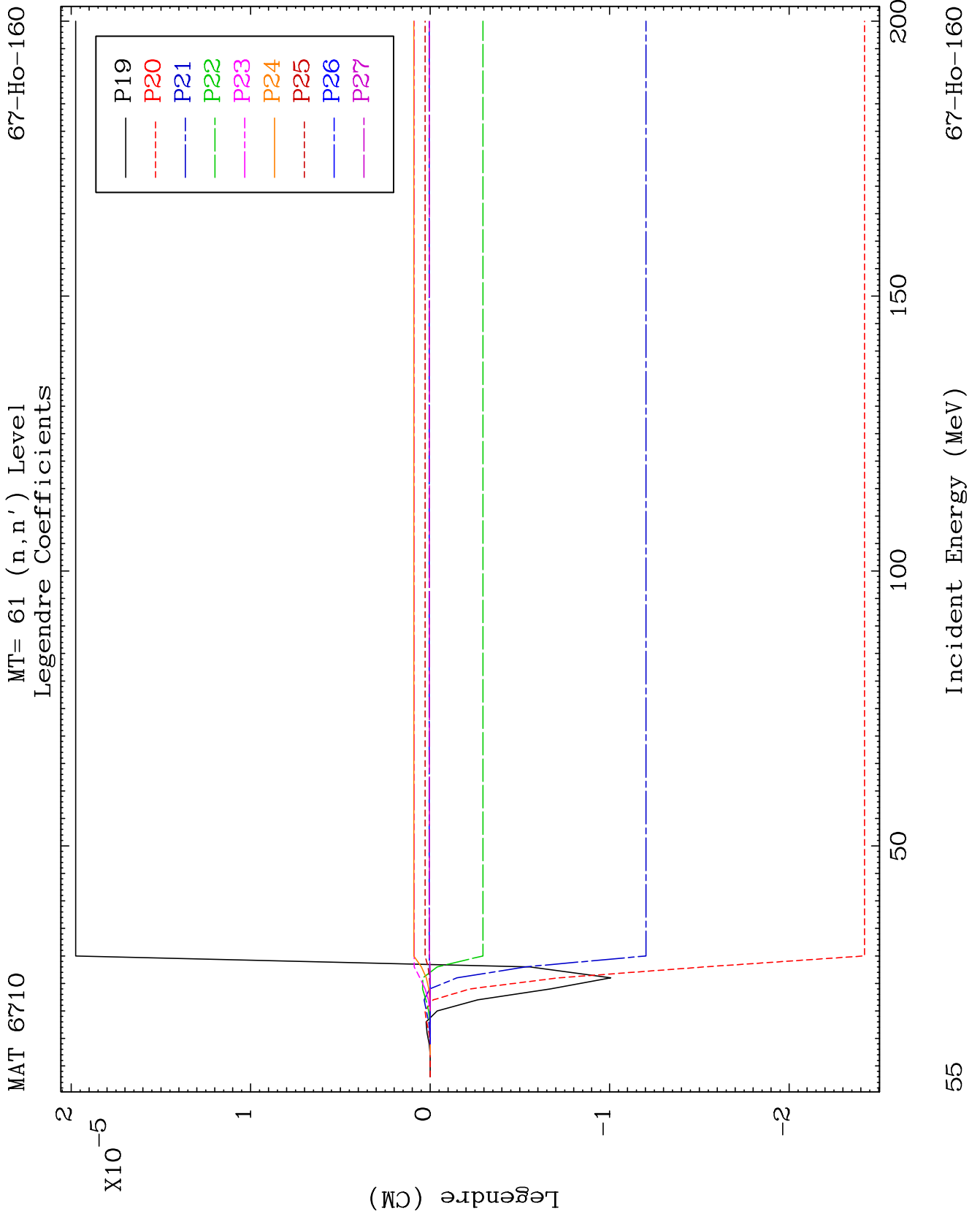








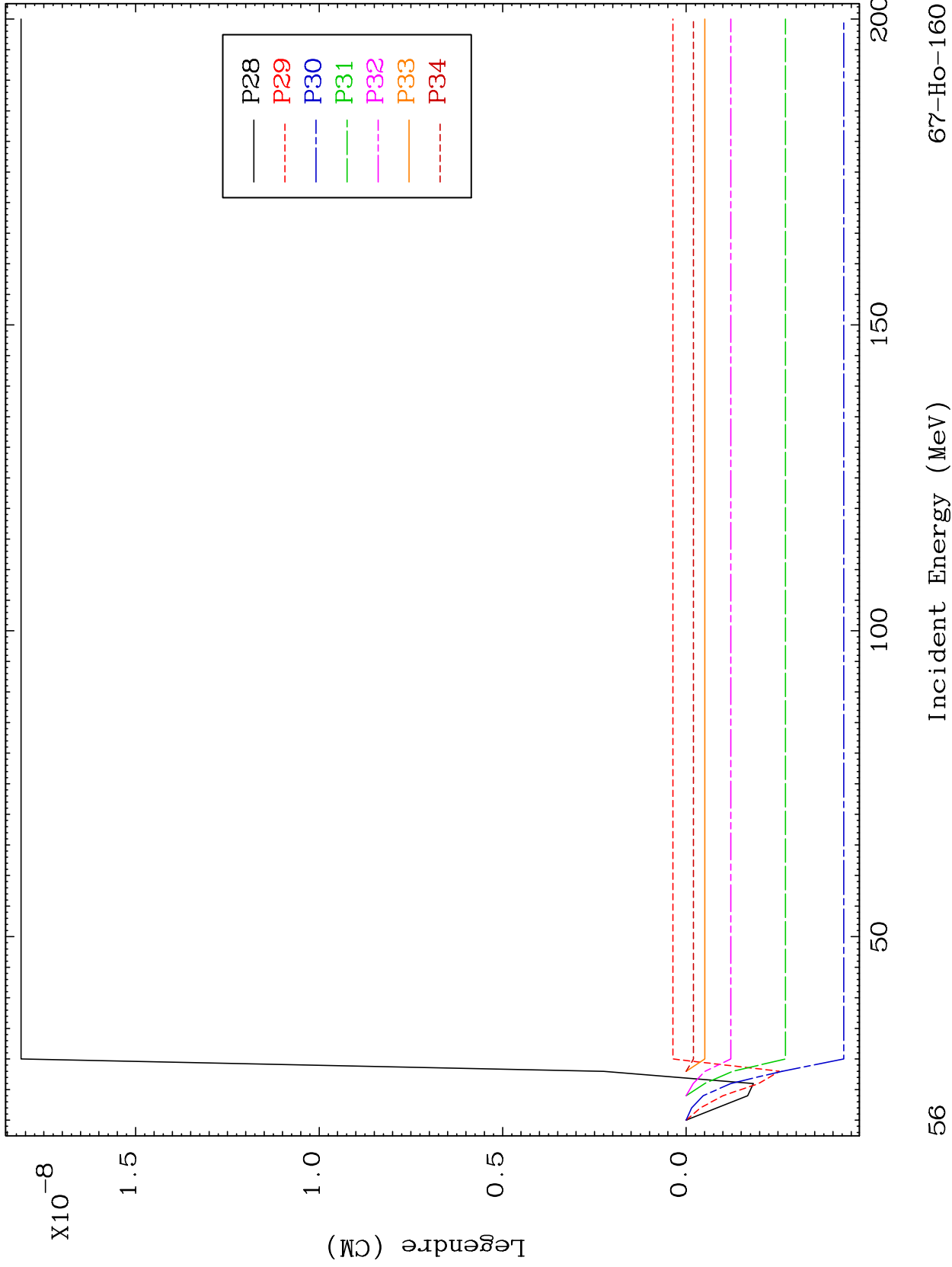




MAT 6710

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

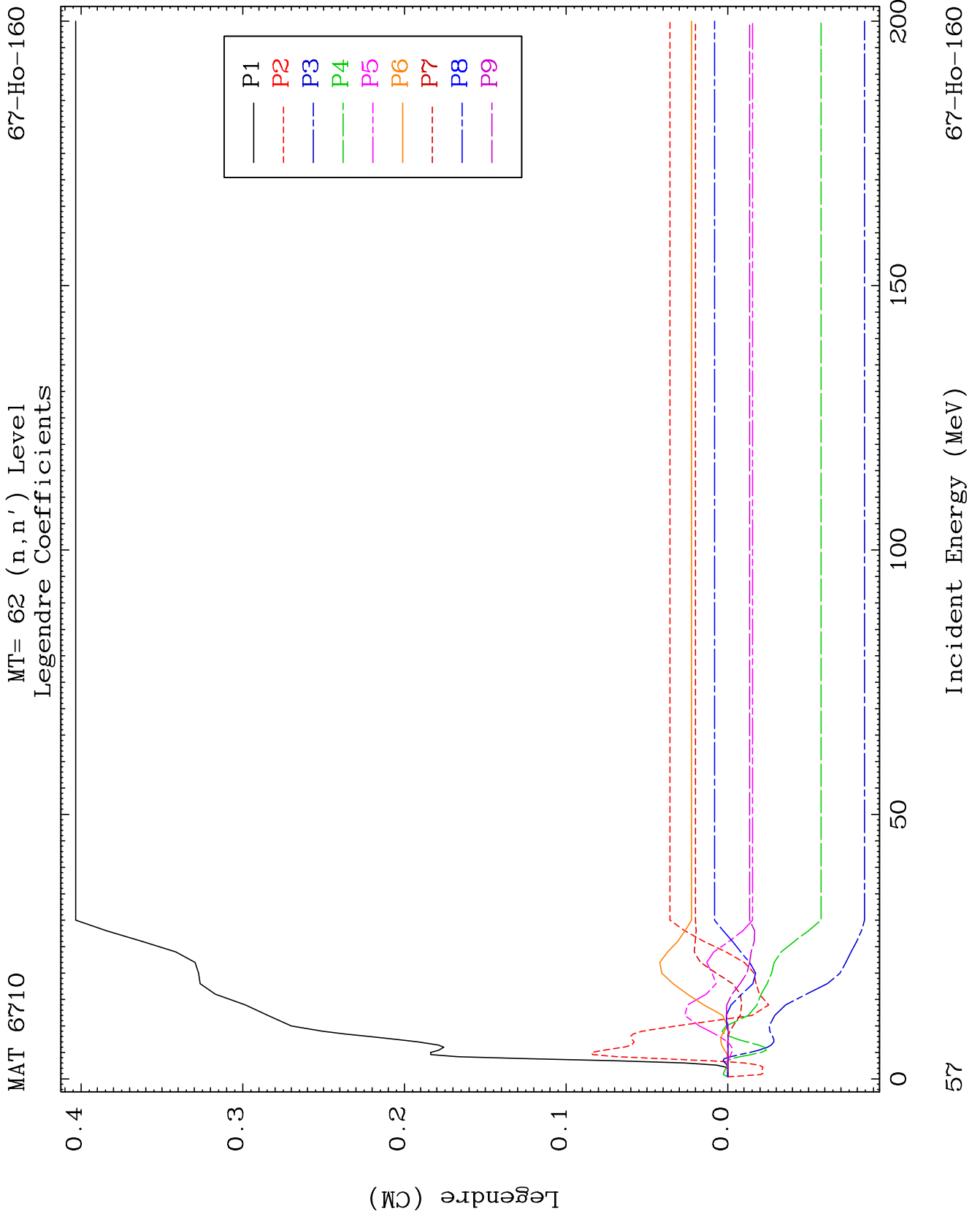
67-Ho-160

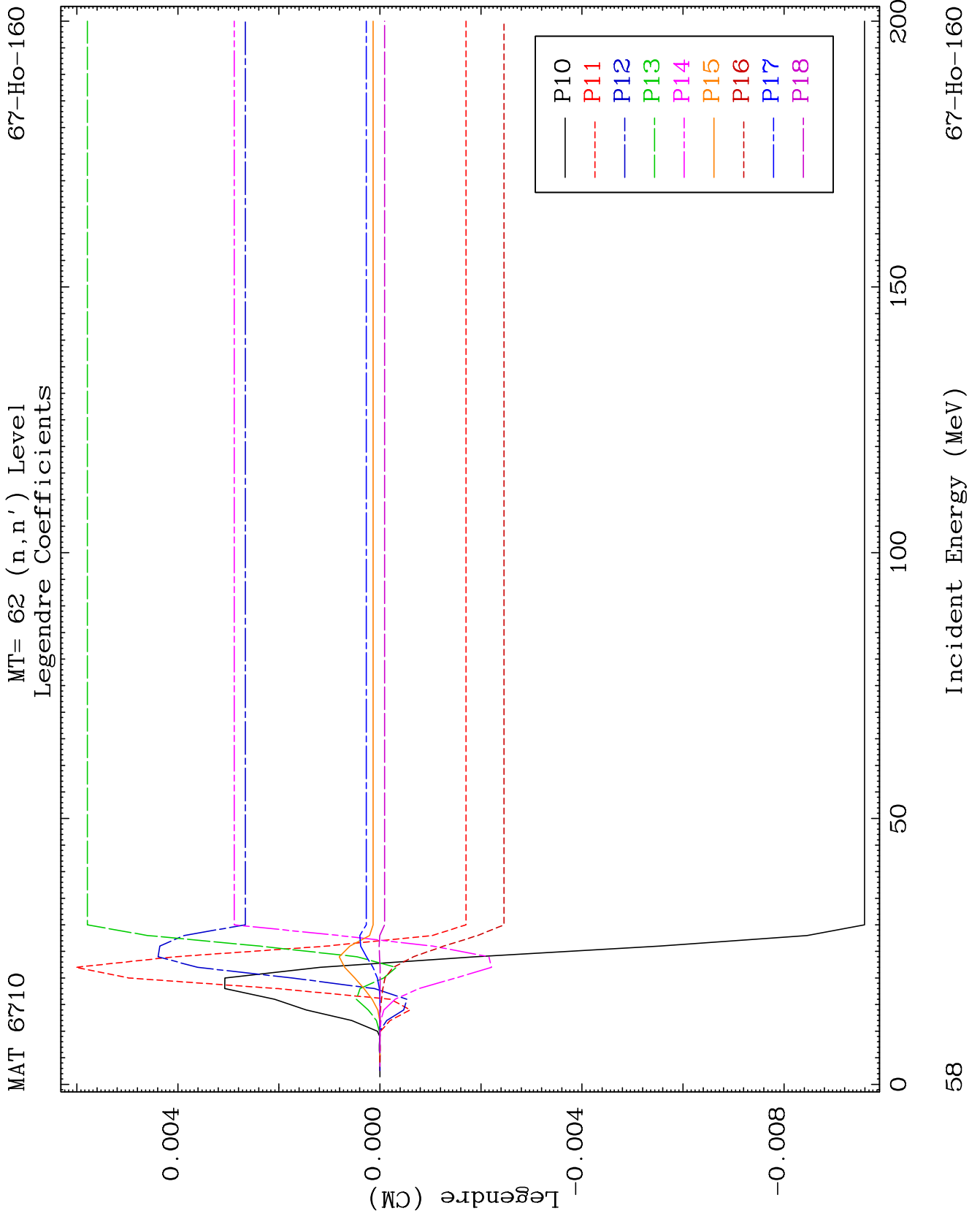


56

Incident Energy (MeV)

67-Ho-160

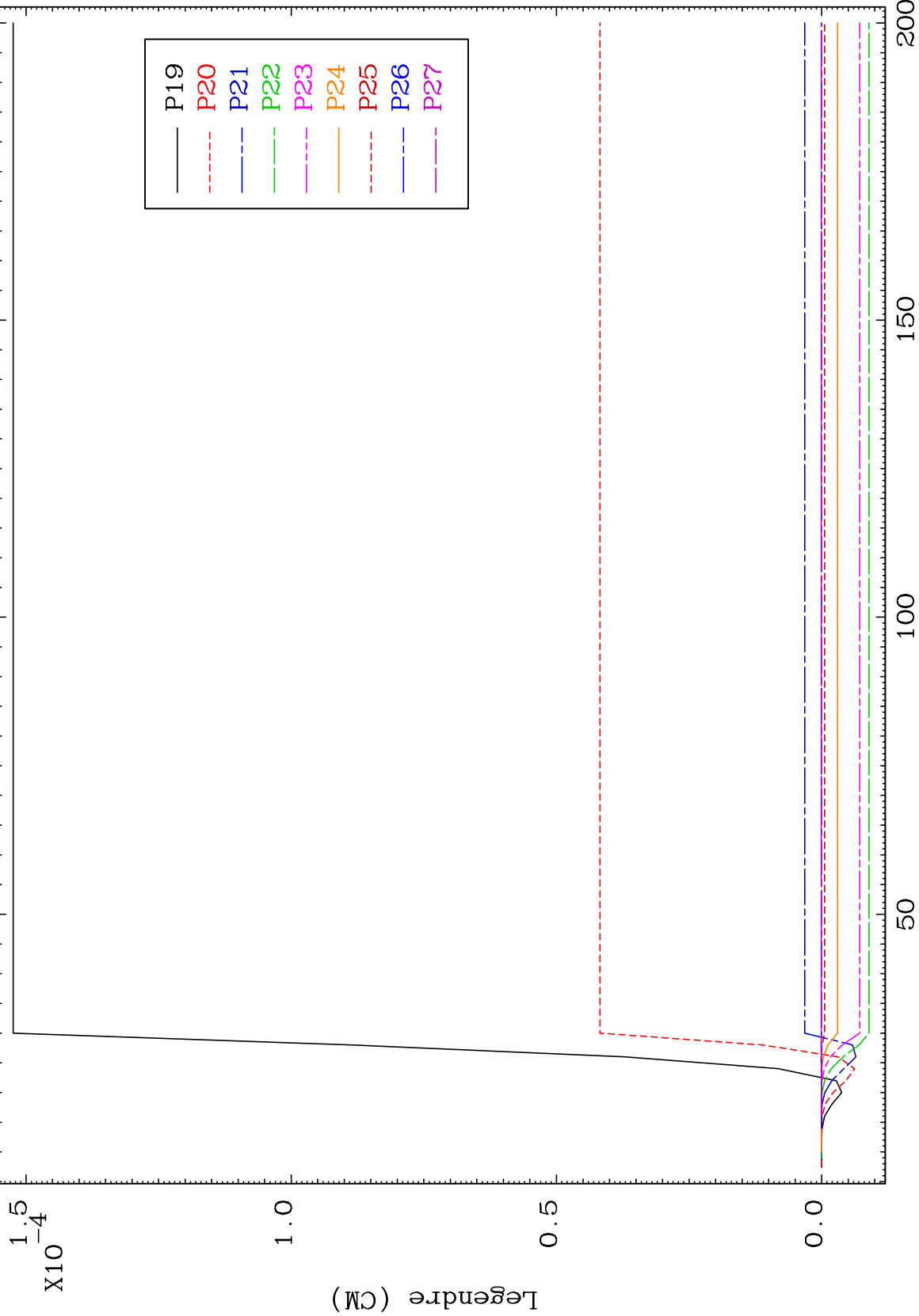




MAT 6710

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

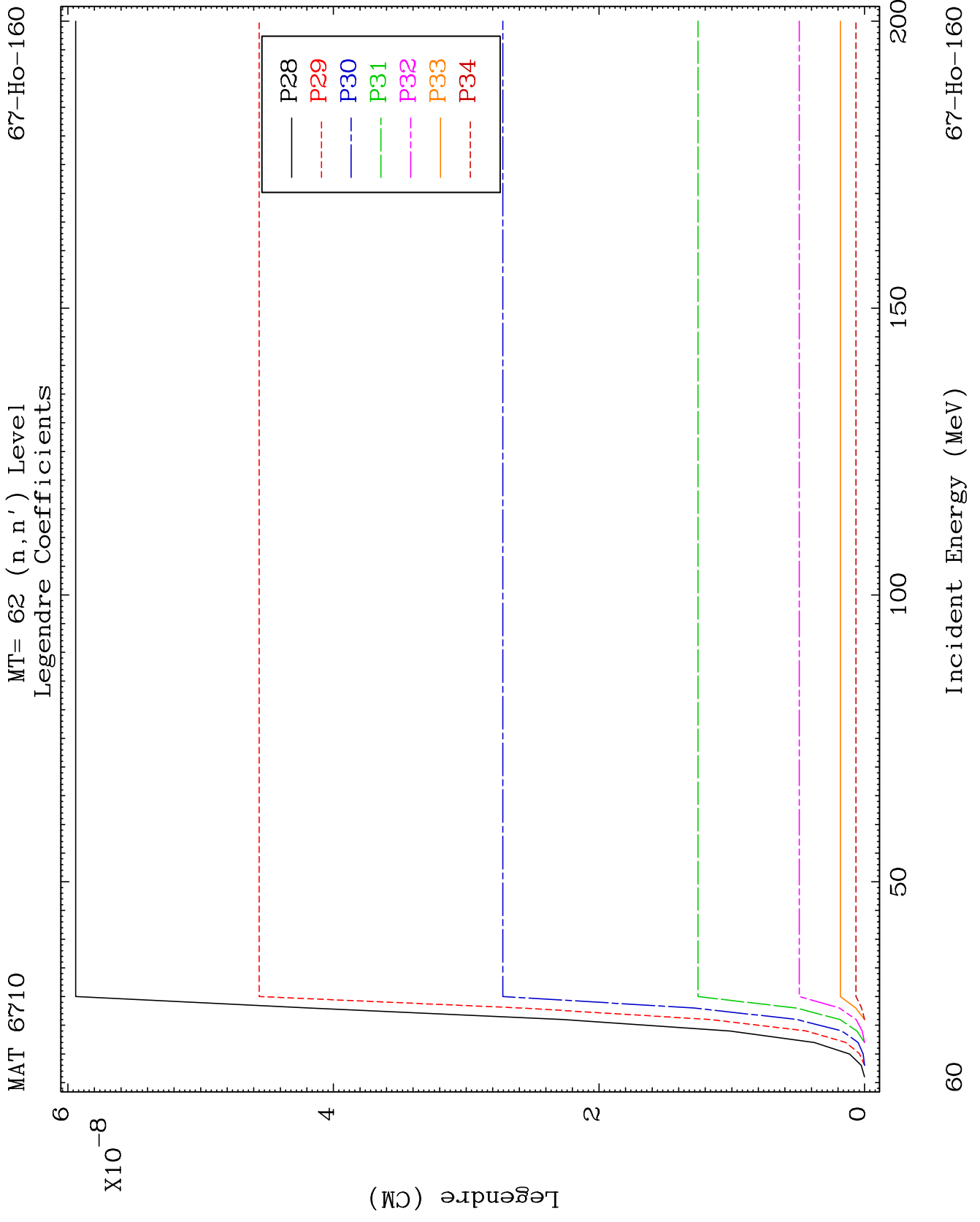
67-Ho-160



59

Incident Energy (MeV)

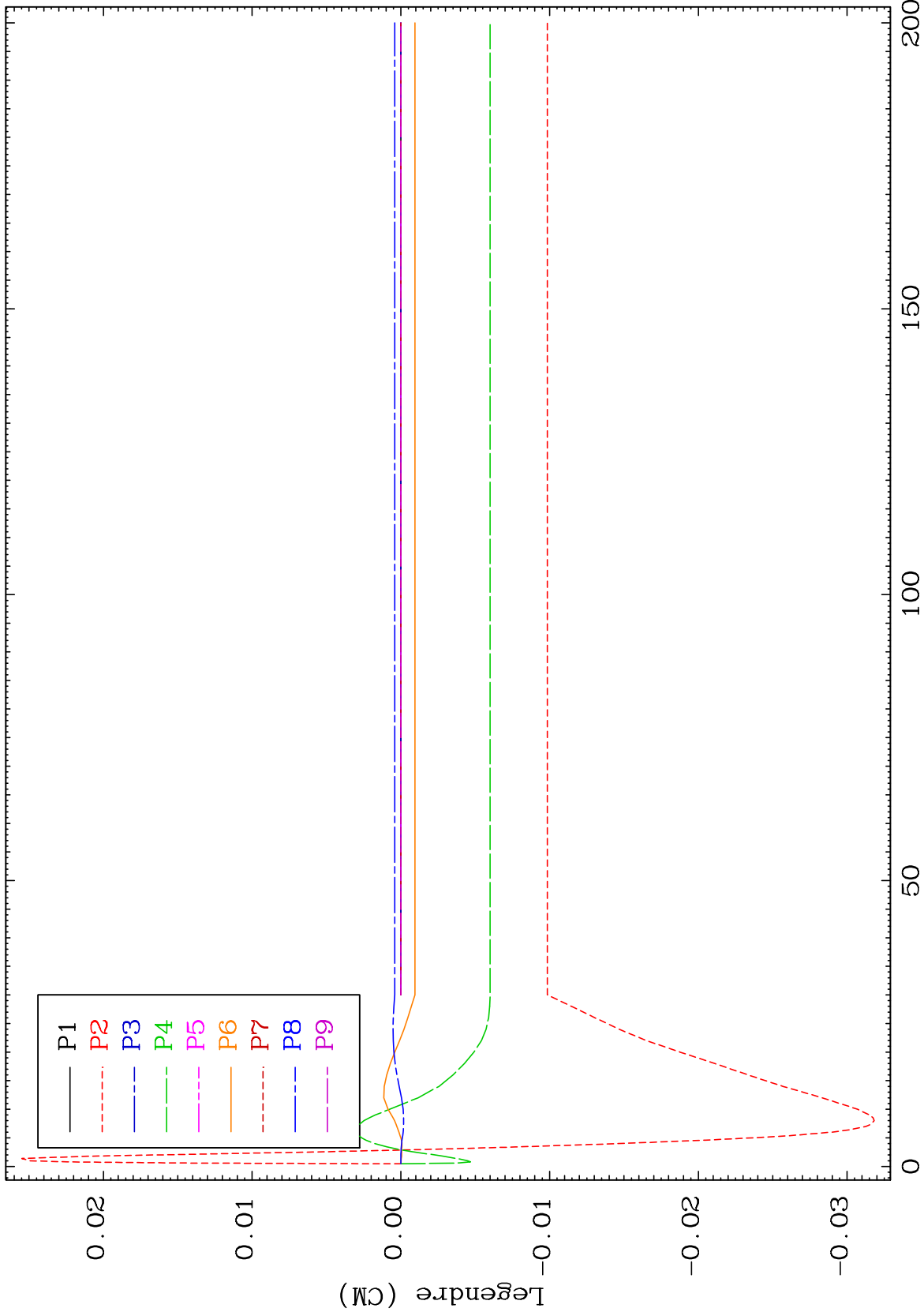
67-Ho-160



MAT 6710

MT= 63 (n,n') Level  
Legendre Coefficients

67-Ho-160



61

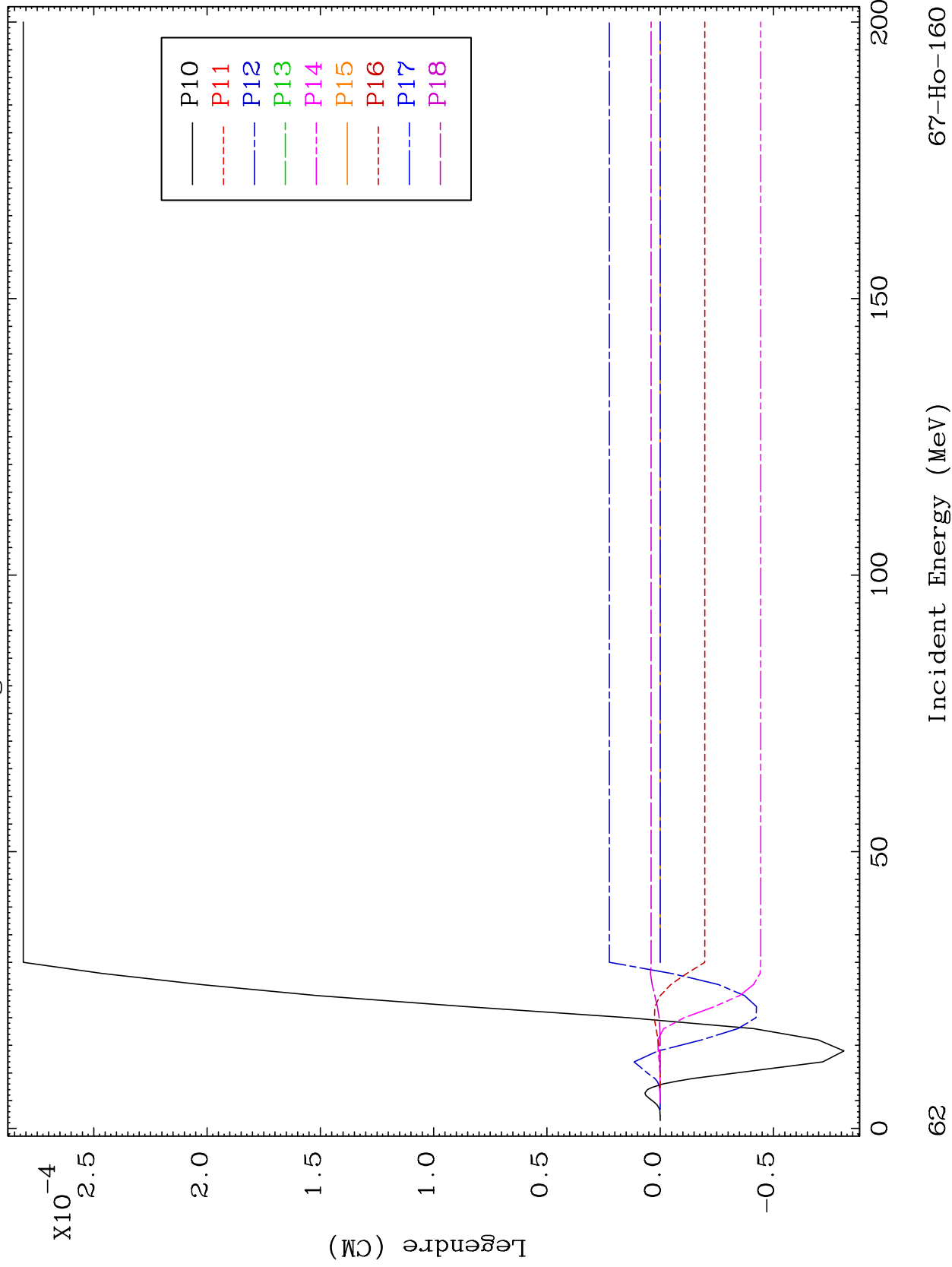
Incident Energy (MeV)

67-Ho-160

MAT 6710

MT= 63 (n,n') Level  
Legendre Coefficients

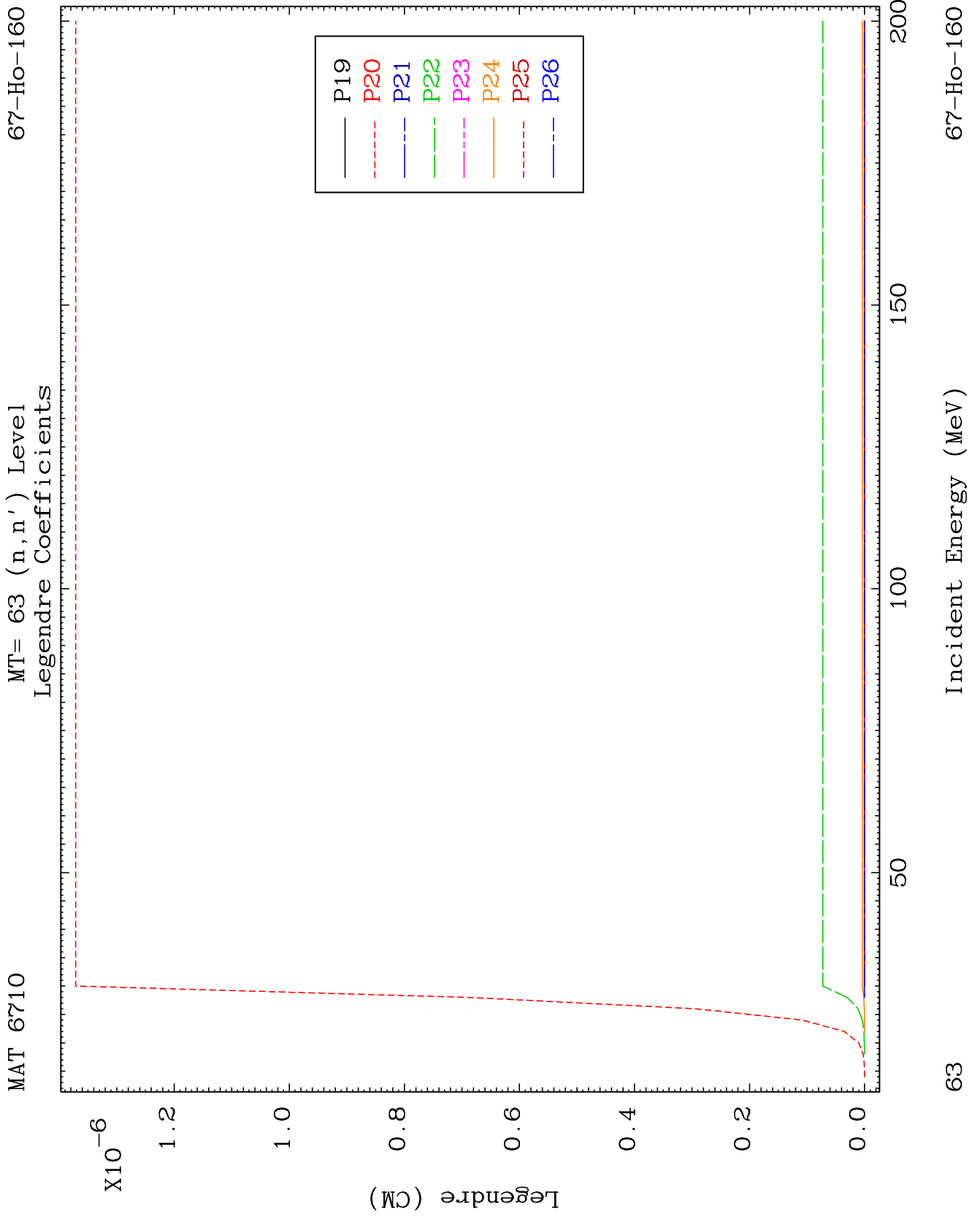
67-Ho-160

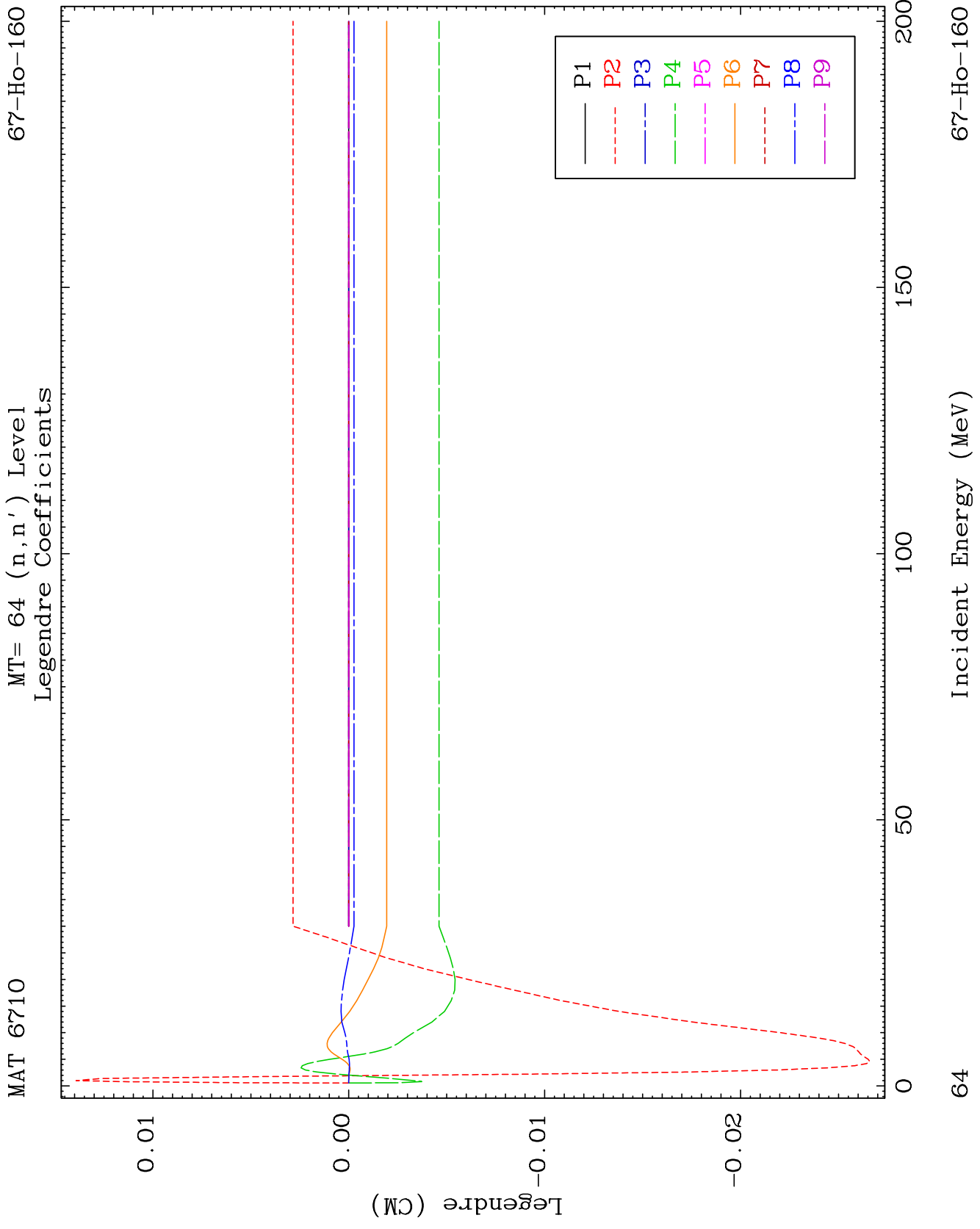


67-Ho-160

Incident Energy (MeV)

62

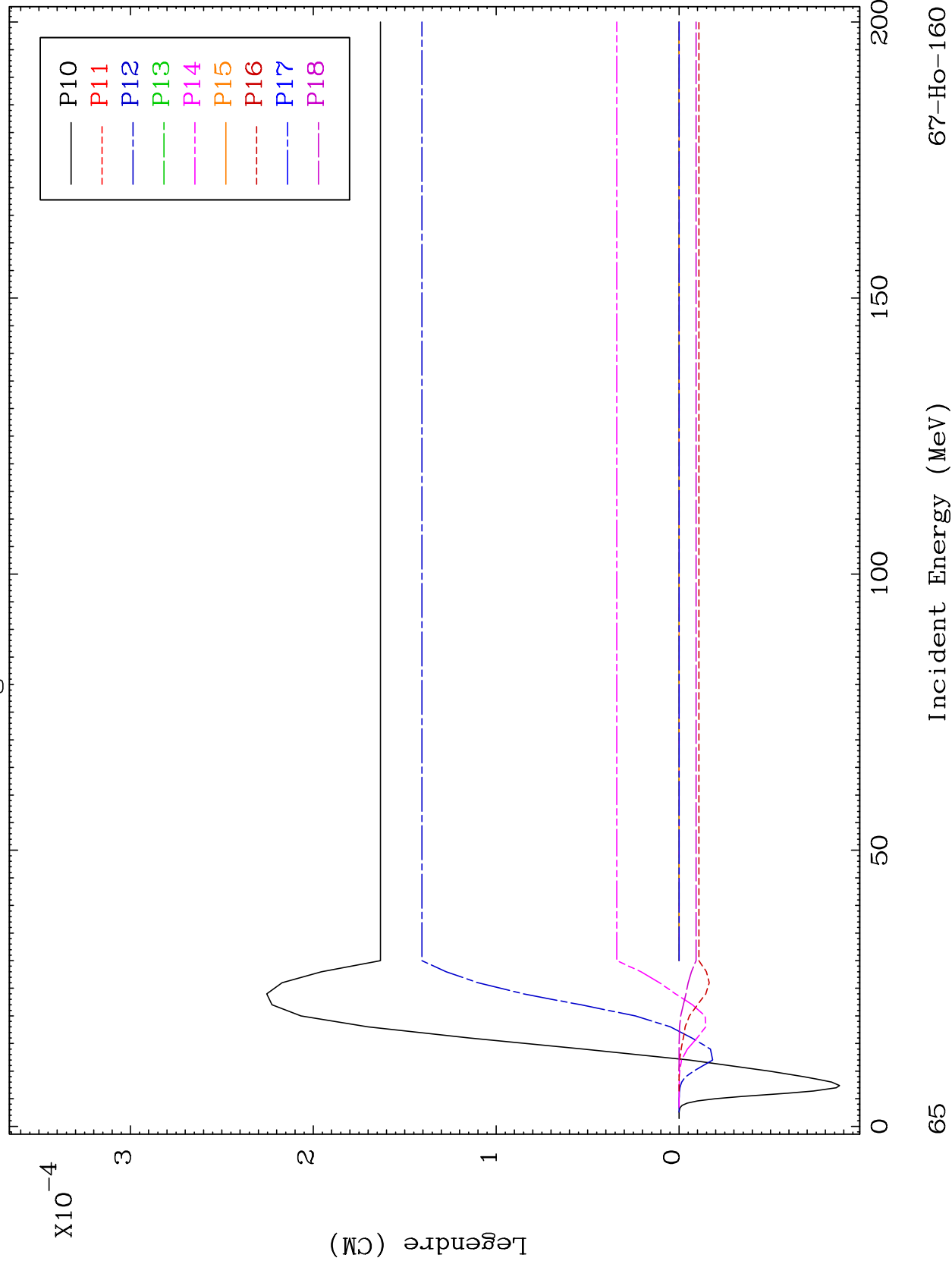


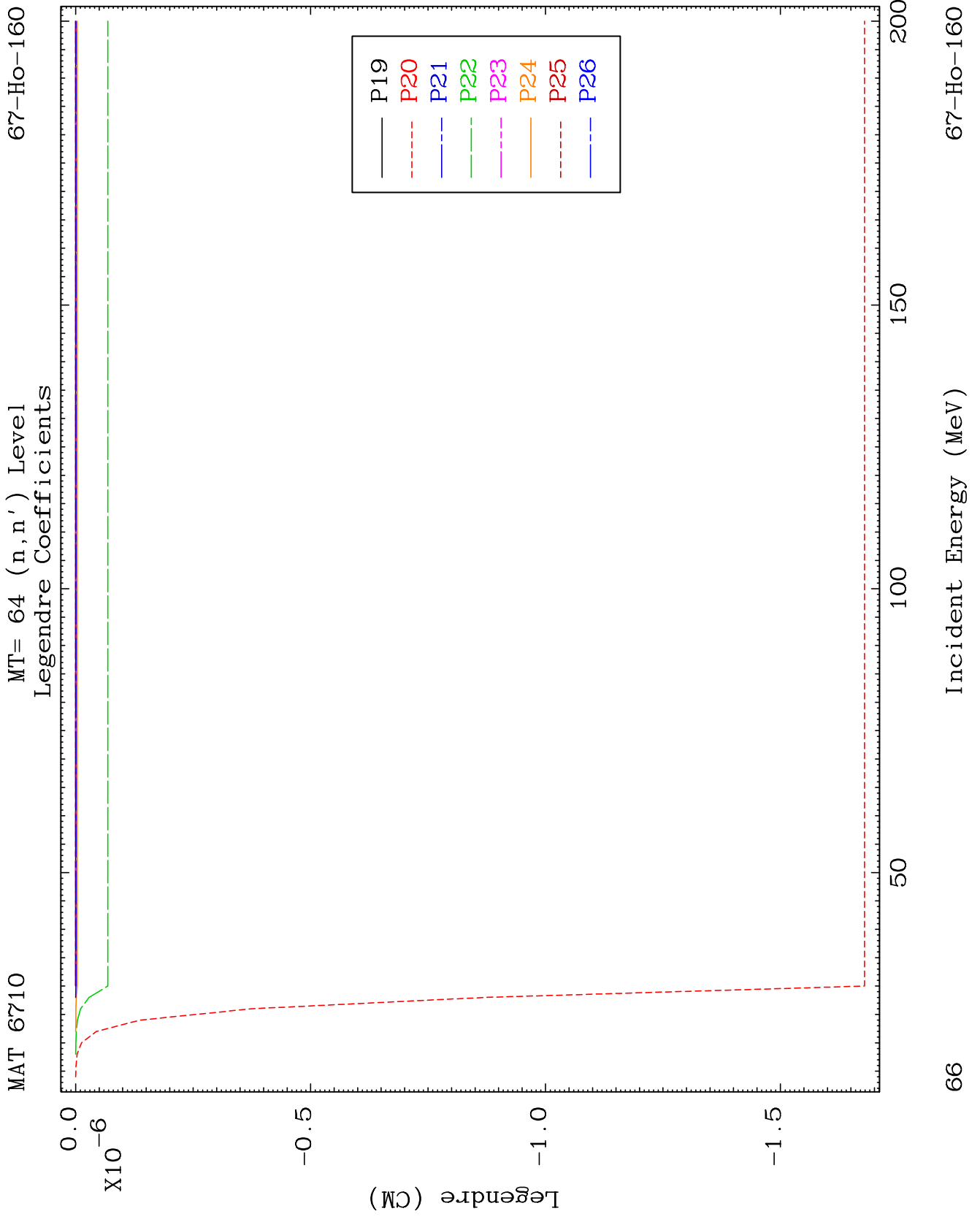


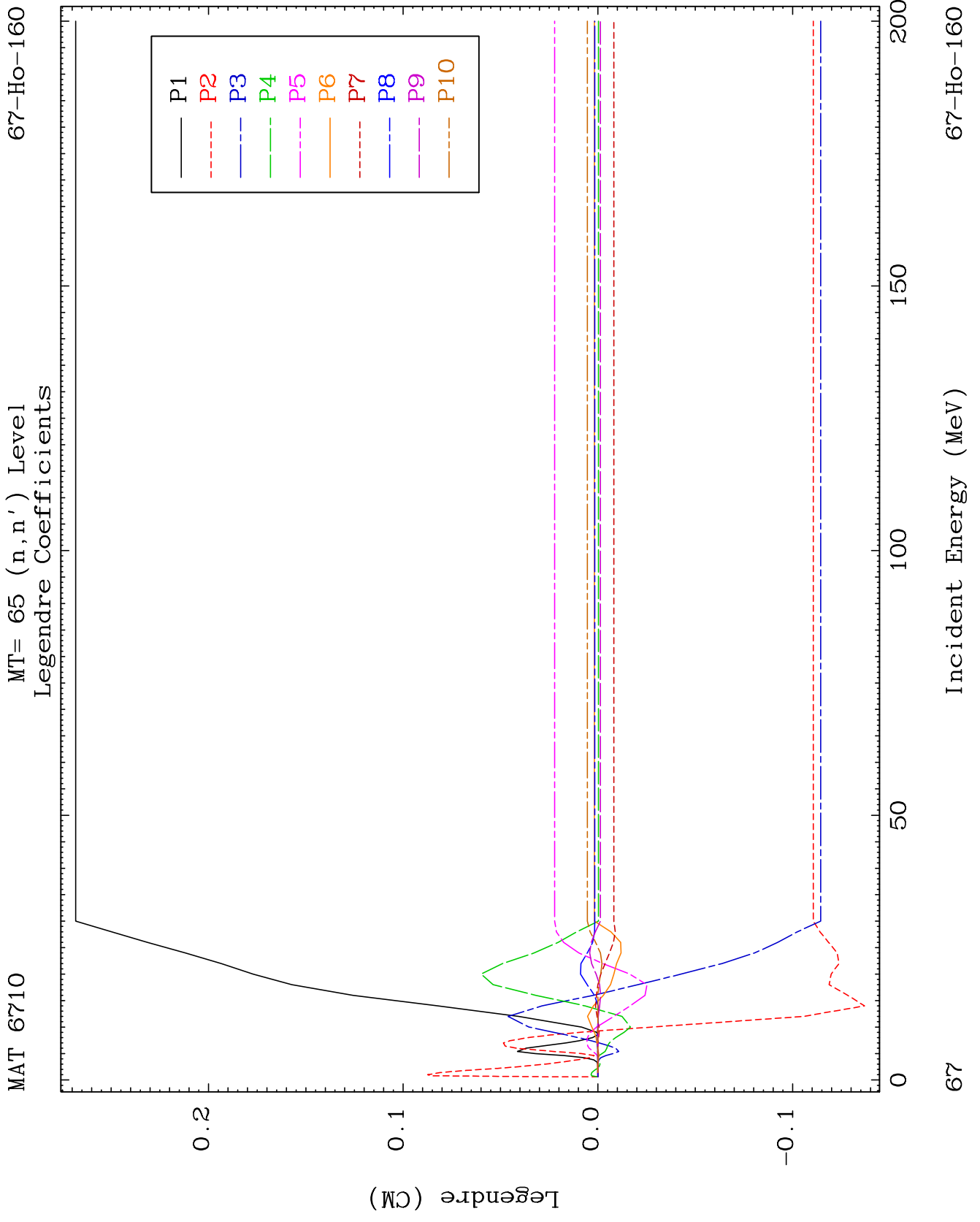
MAT 6710

MT= 64 (n,n') Level  
Legendre Coefficients

67-Ho-160



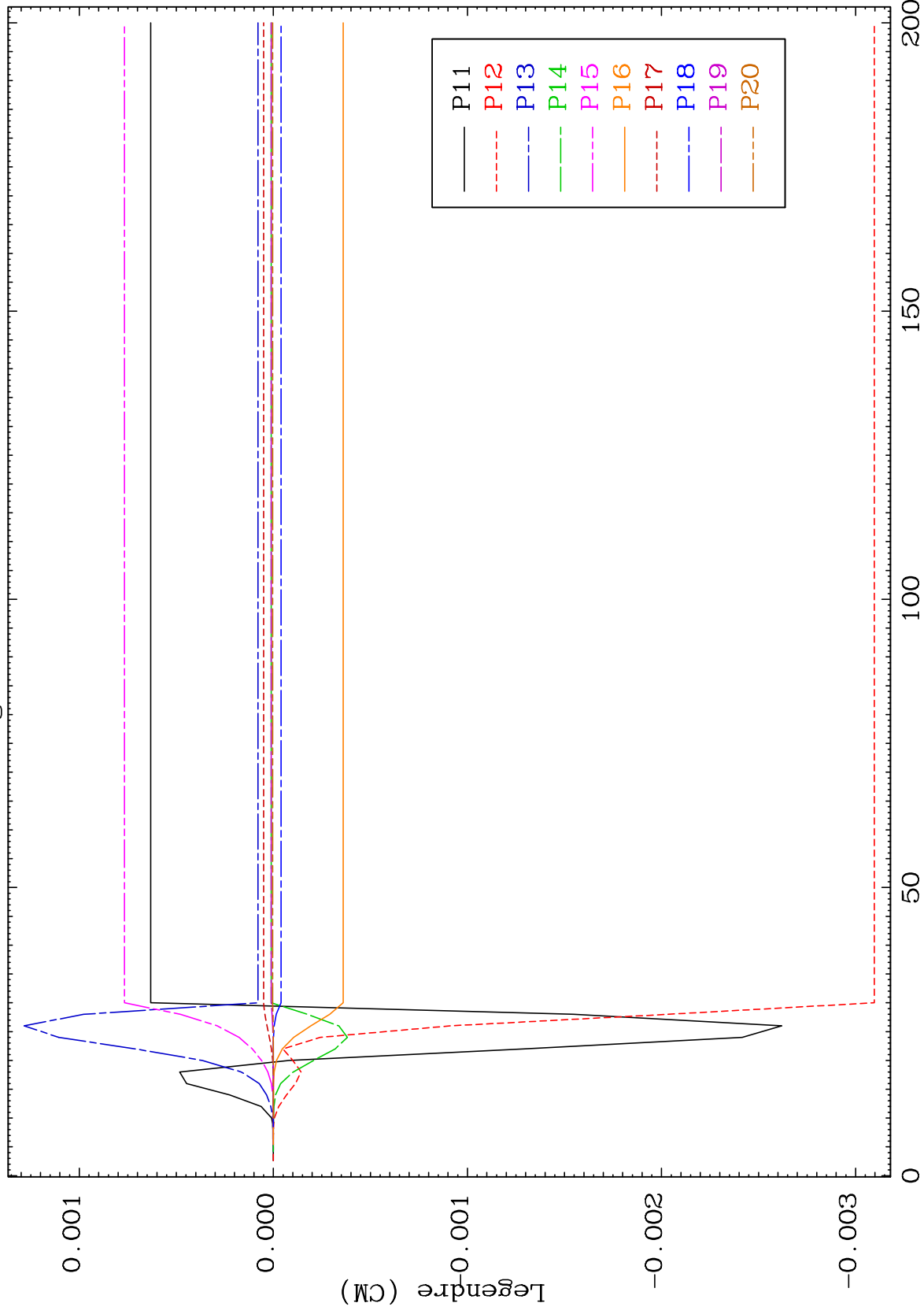




MAT 6710

MT= 65 (n,n') Level  
Legendre Coefficients

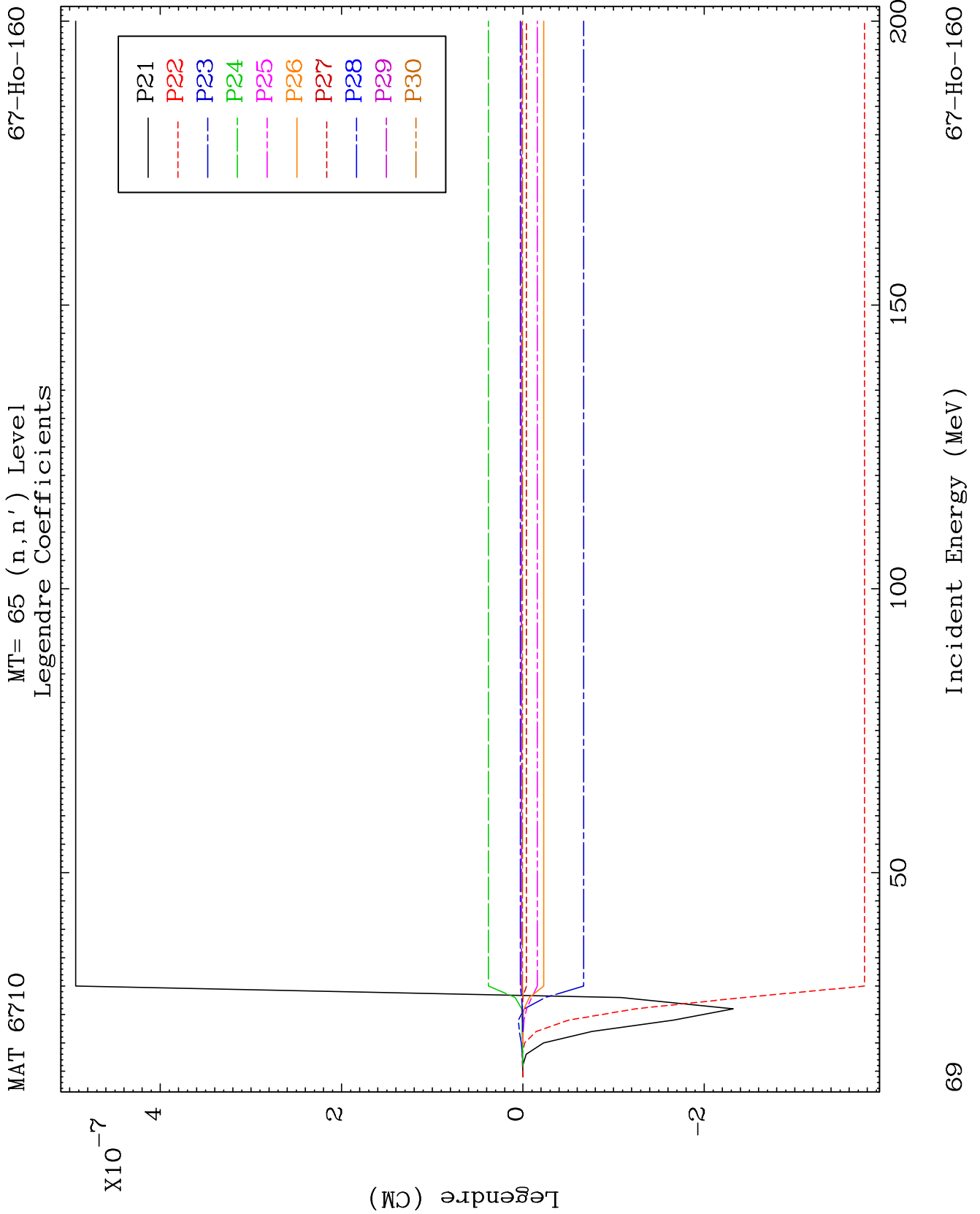
67-Ho-160



68

Incident Energy (MeV)

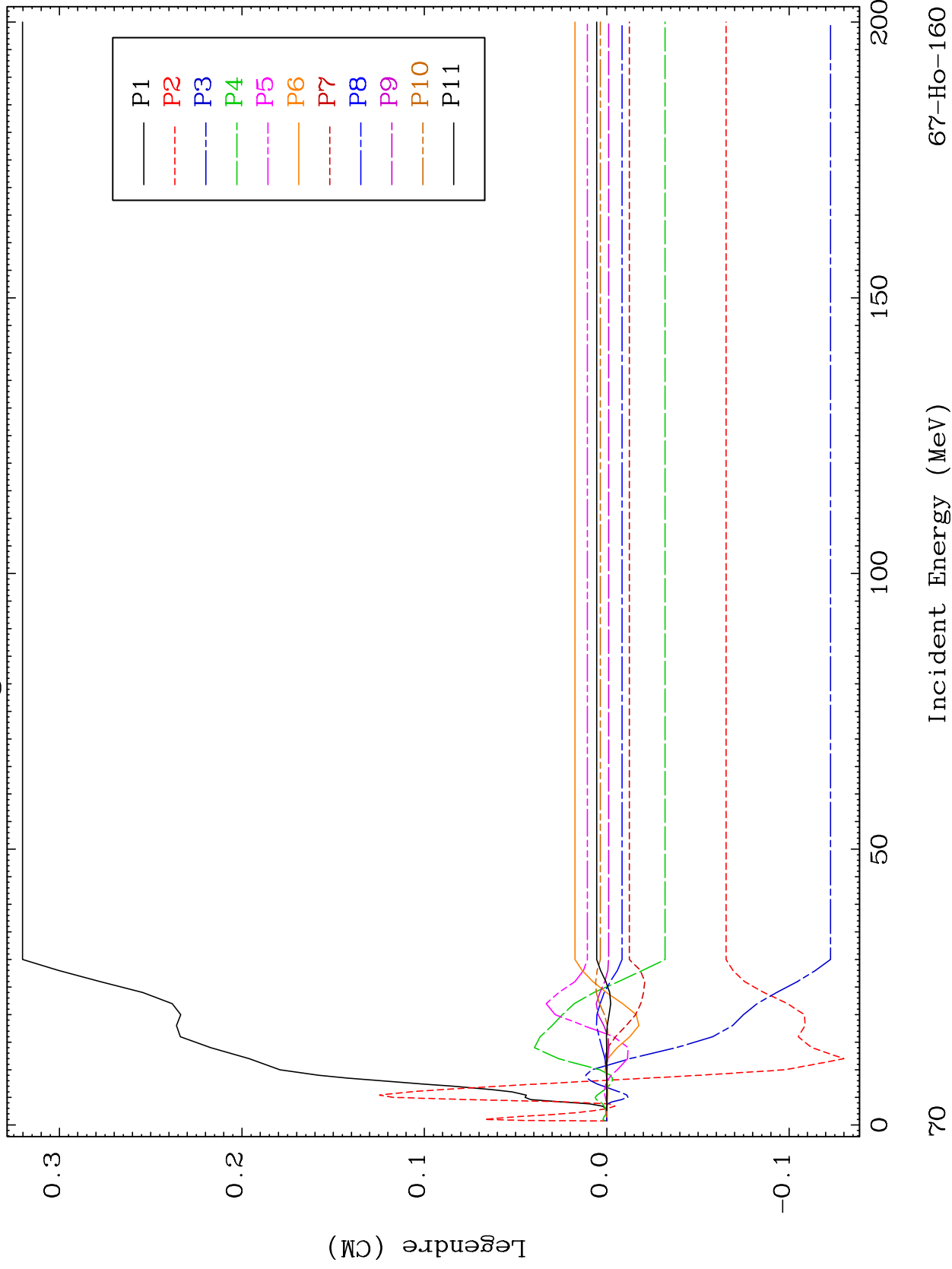
67-Ho-160



MAT 6710

MT= 66 (n,n') Level  
Legendre Coefficients

67-Ho-160



67-Ho-160

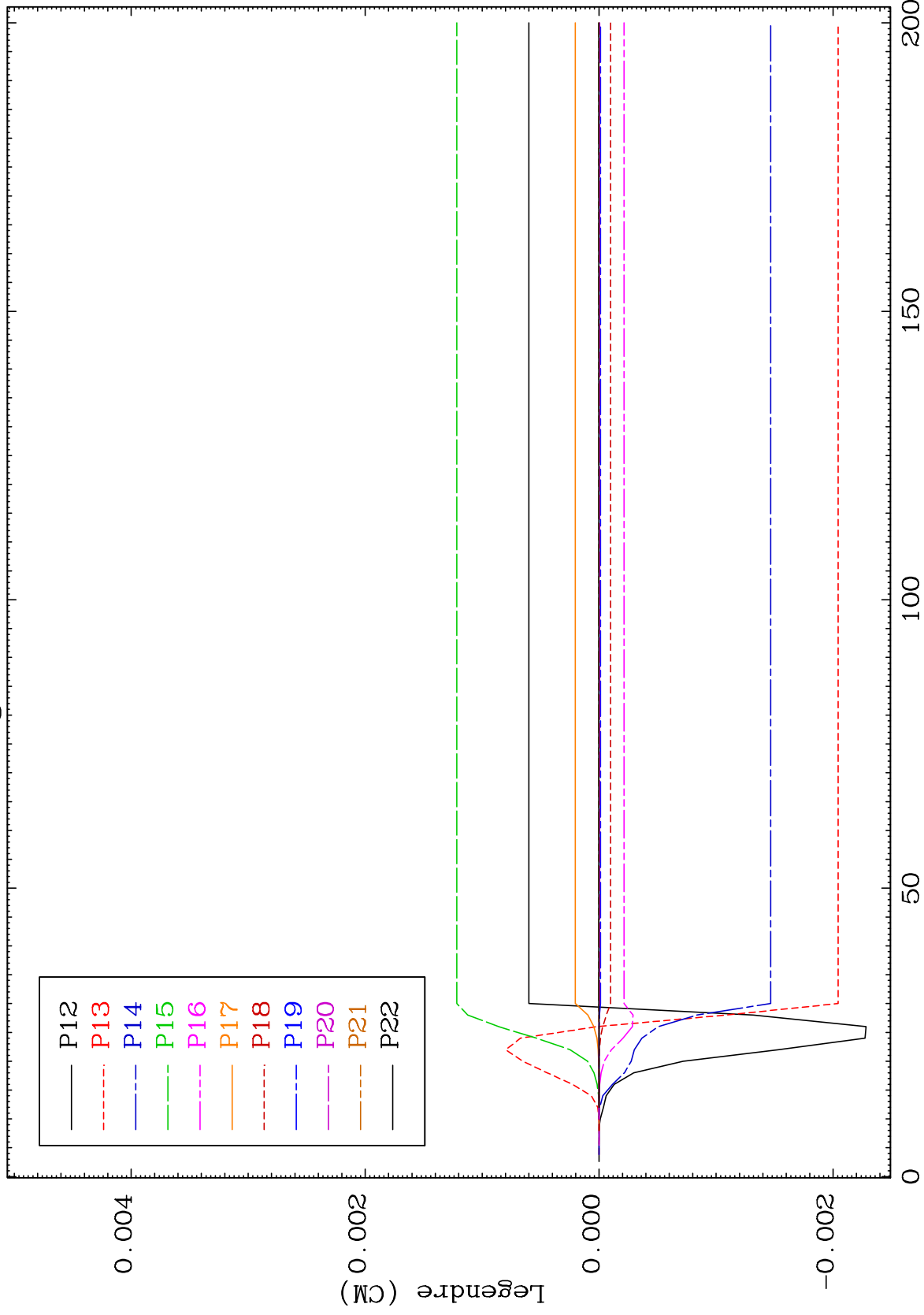
Incident Energy (MeV)

70

MAT 6710

MT= 66 (n,n') Level  
Legendre Coefficients

67-Ho-160



71

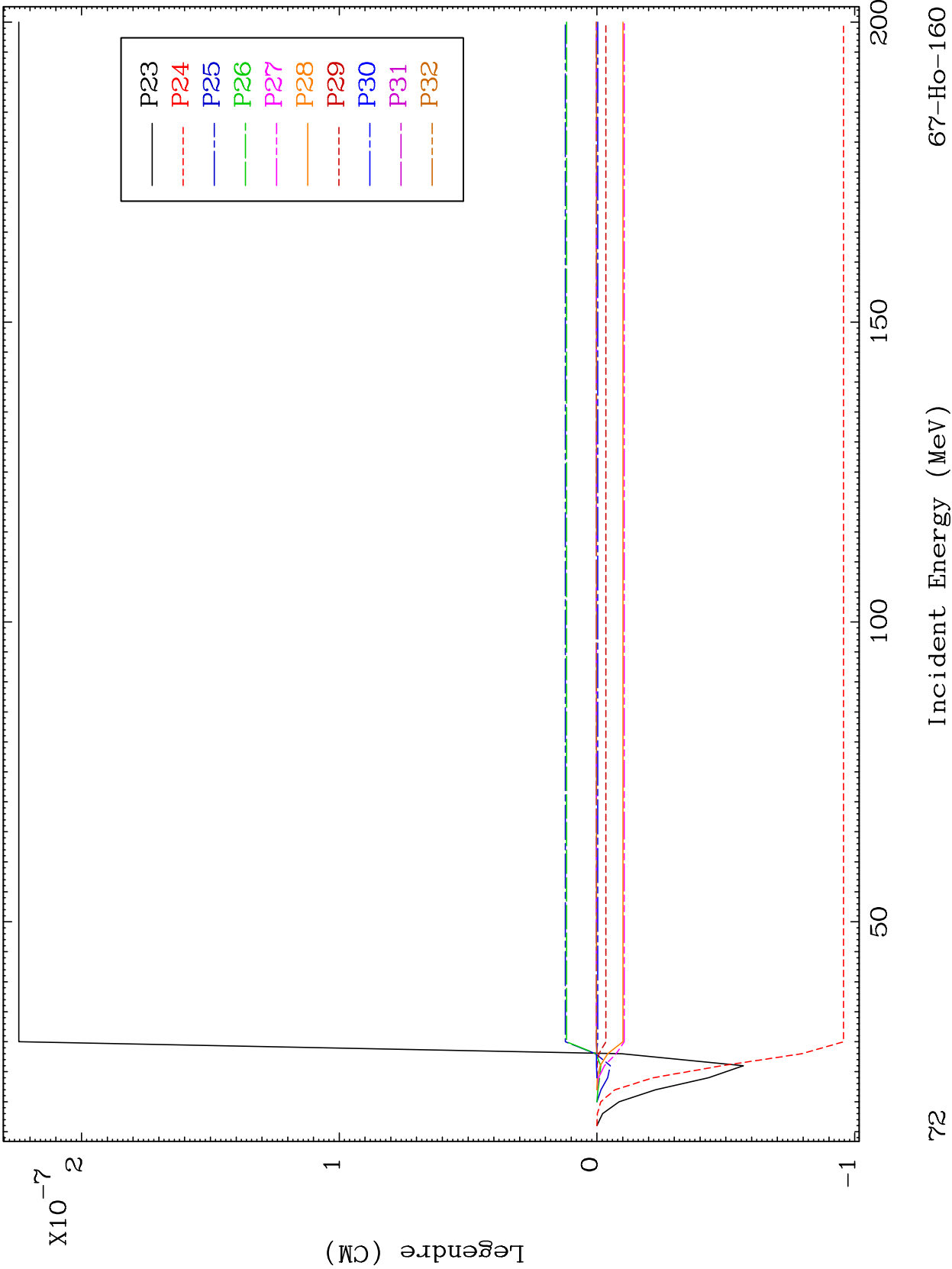
Incident Energy (MeV)

67-Ho-160

MAT 6710

MT= 66 (n,n') Level  
Legendre Coefficients

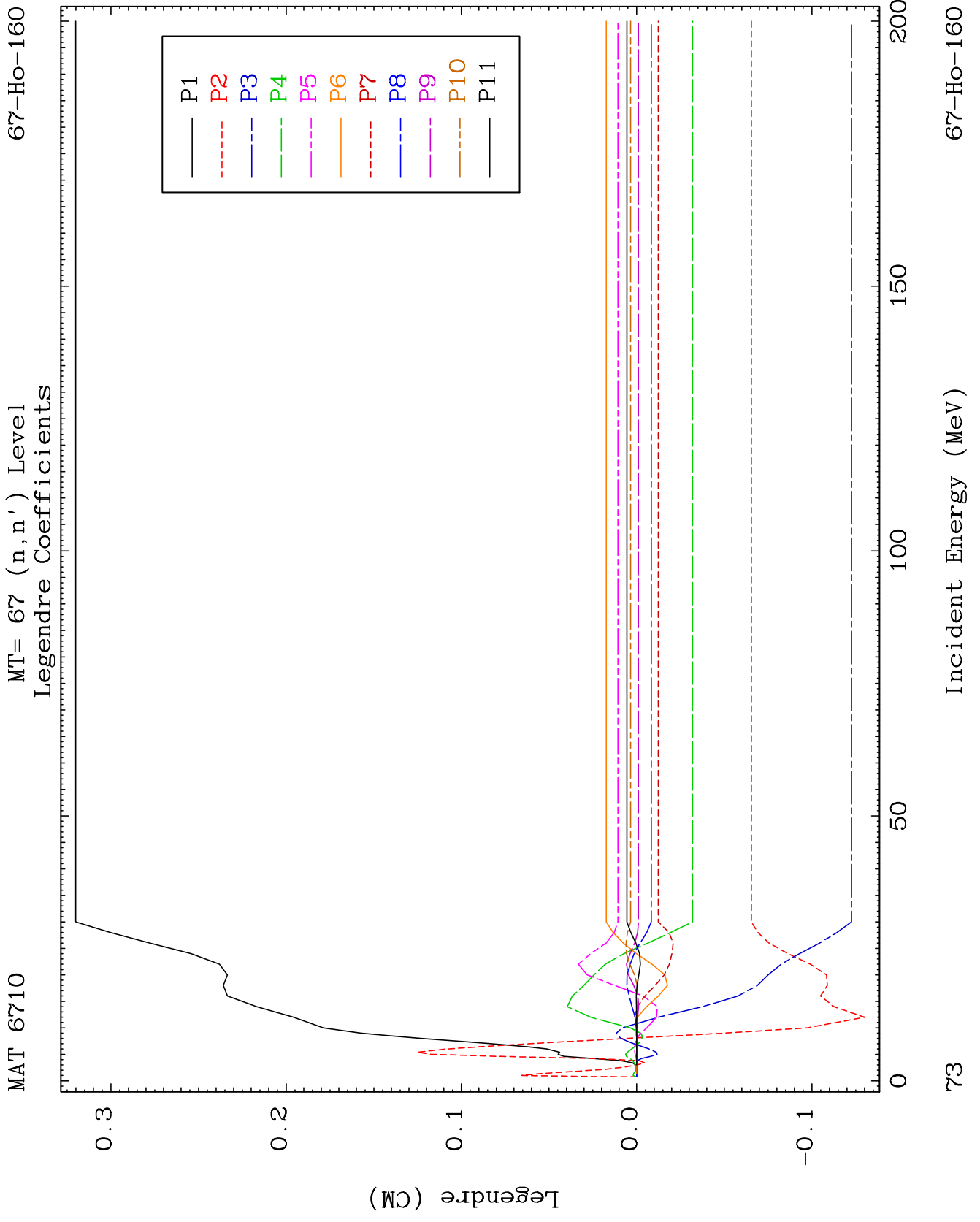
67-Ho-160



72

Incident Energy (MeV)

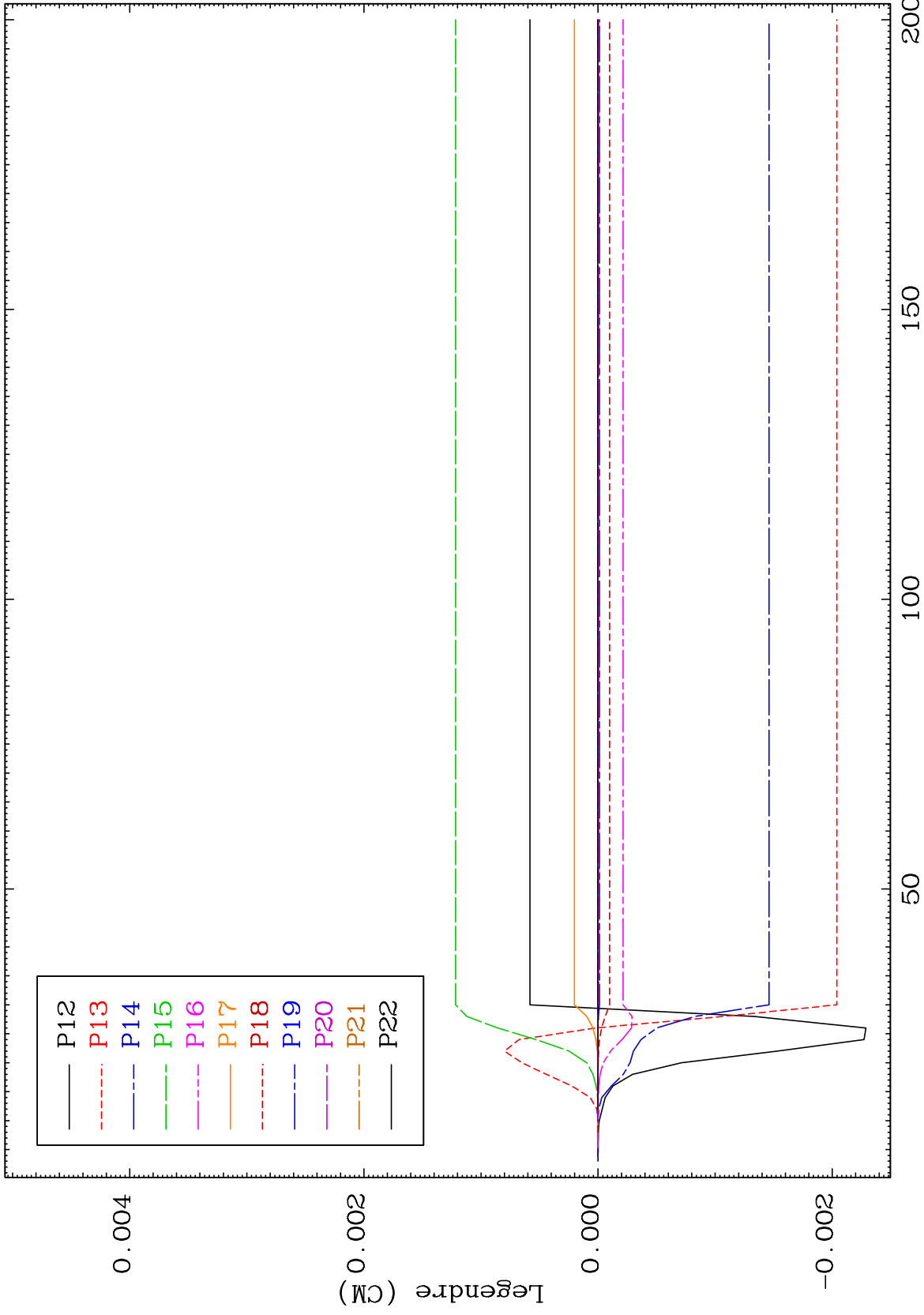
67-Ho-160



MAT 6710

MT= 67 (n,n') Level  
Legendre Coefficients

67-Ho-160



74

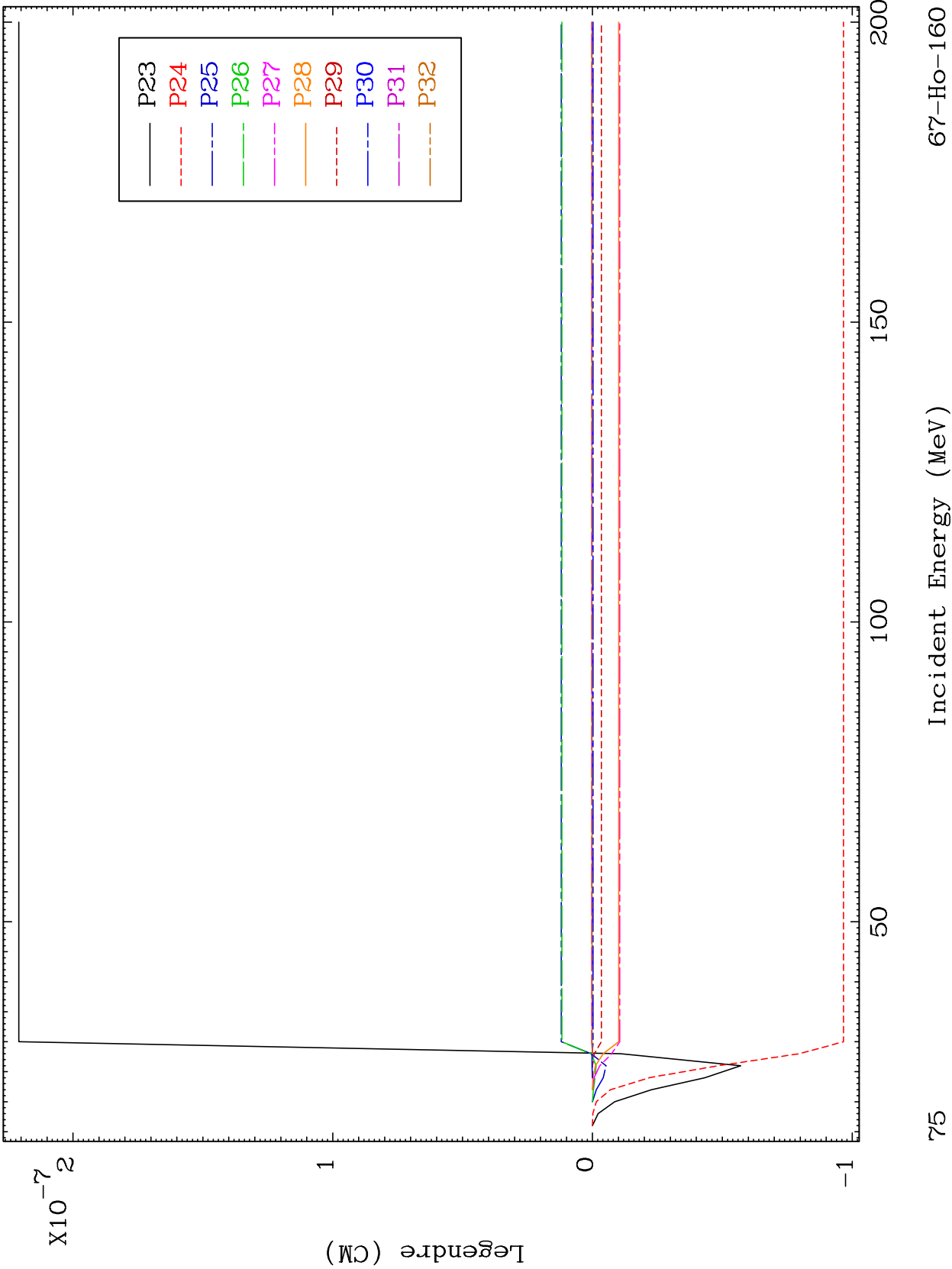
Incident Energy (MeV)

67-Ho-160

MAT 6710

MT= 67 (n,n') Level  
Legendre Coefficients

67-Ho-160



75

Incident Energy (MeV)

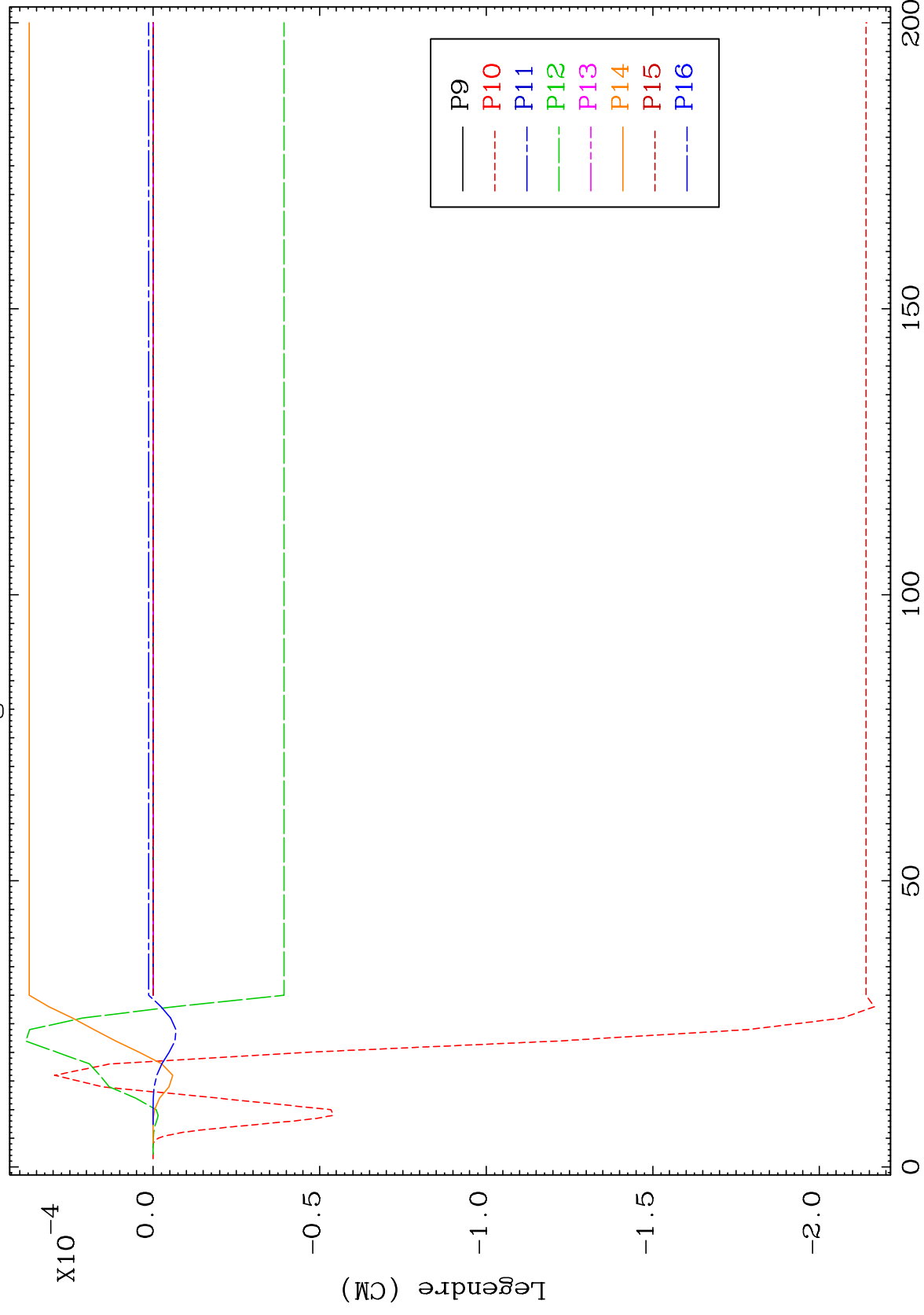
67-Ho-160



MAT 6710

MT= 68 (n,n') Level  
Legendre Coefficients

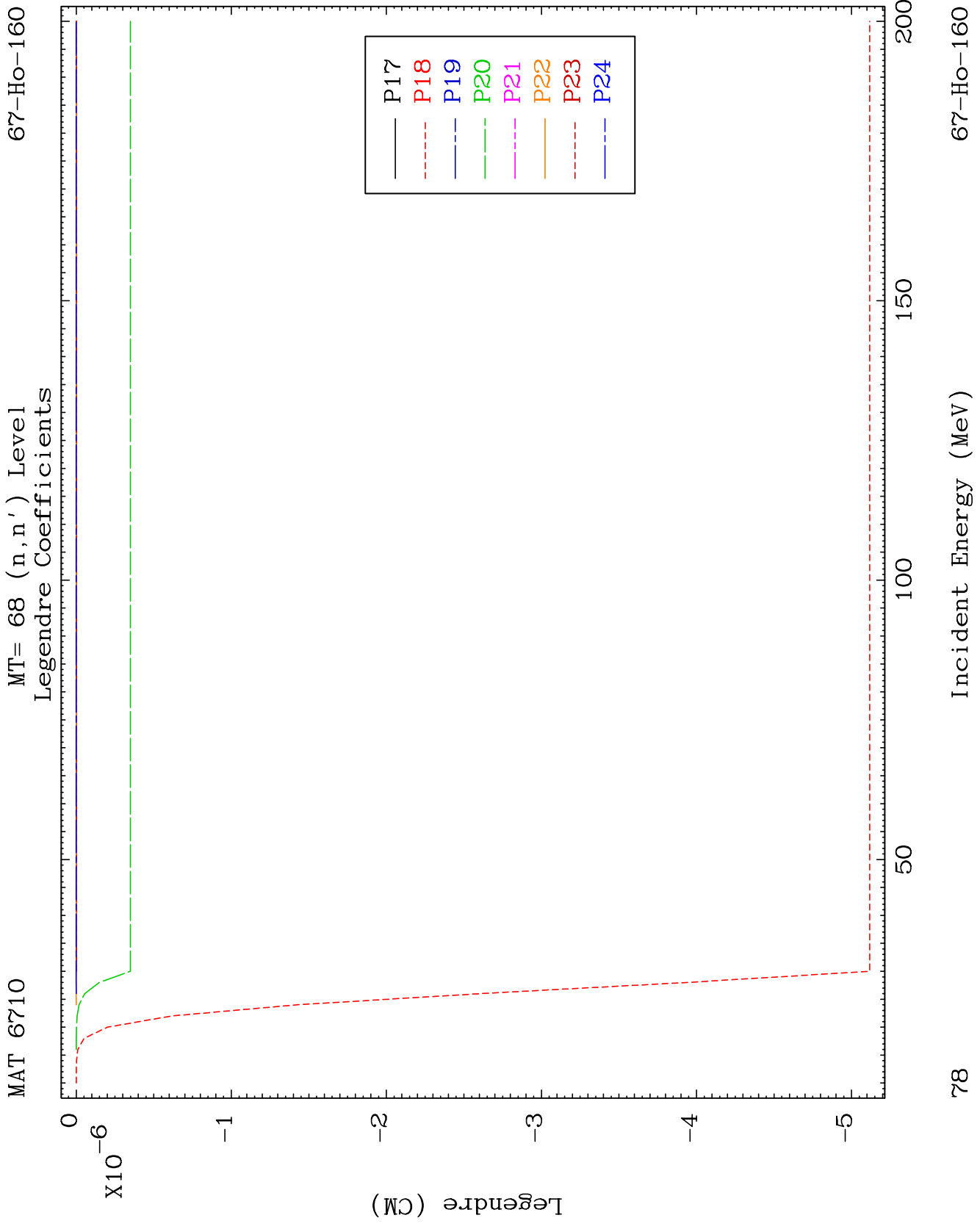
67-Ho-160



77

Incident Energy (MeV)

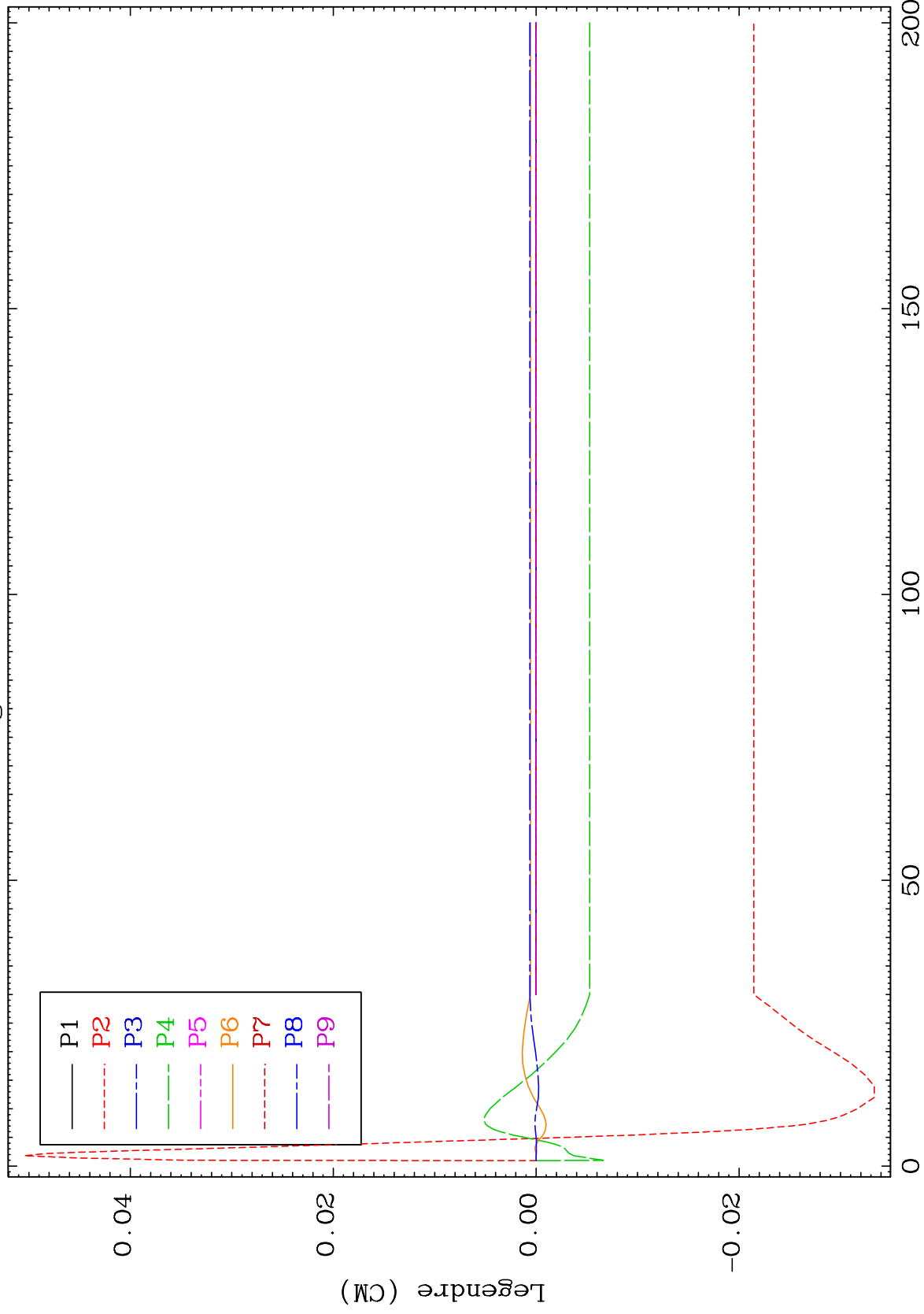
67-Ho-160



MAT 6710

MT= 69 (n,n') Level  
Legendre Coefficients

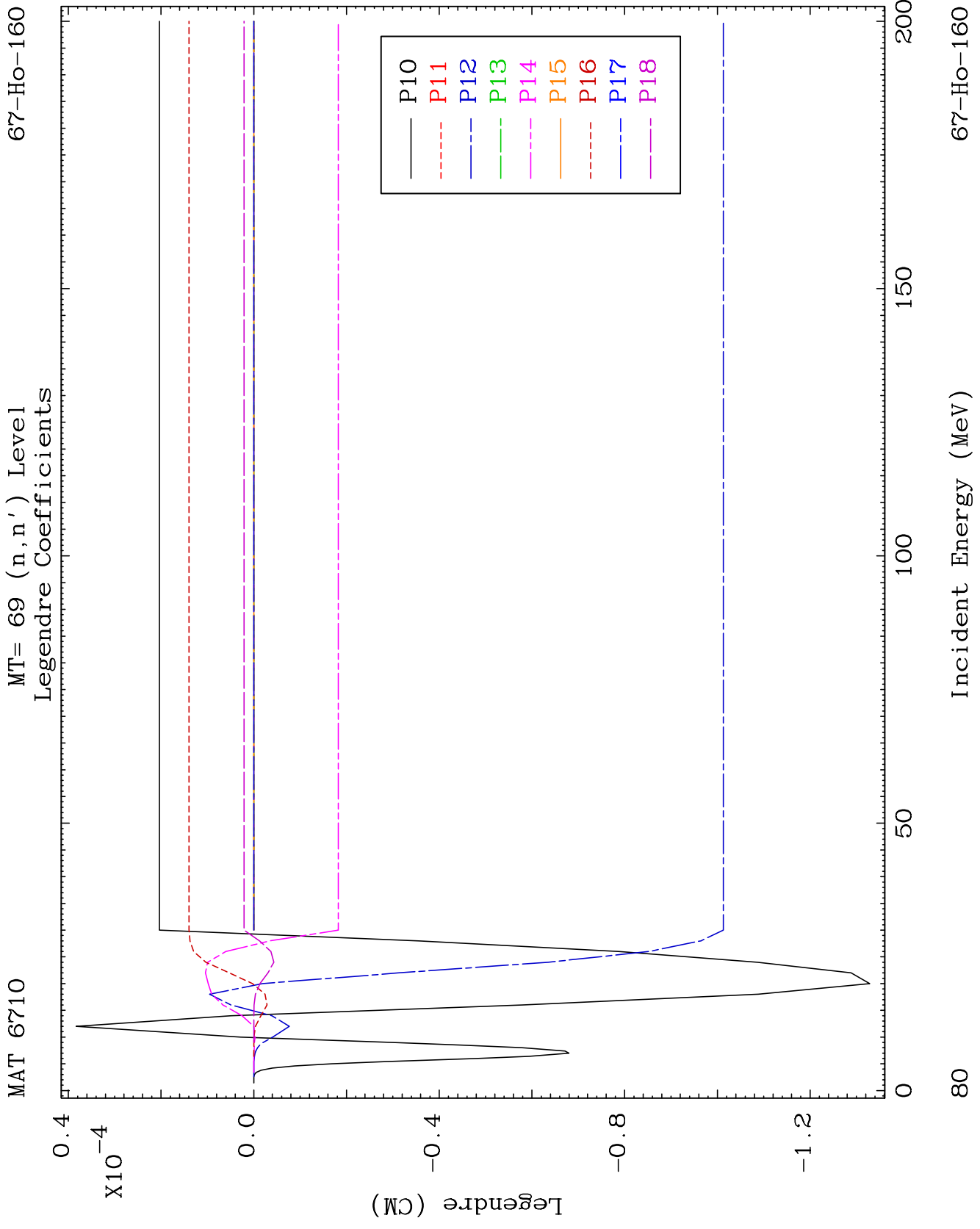
67-Ho-160

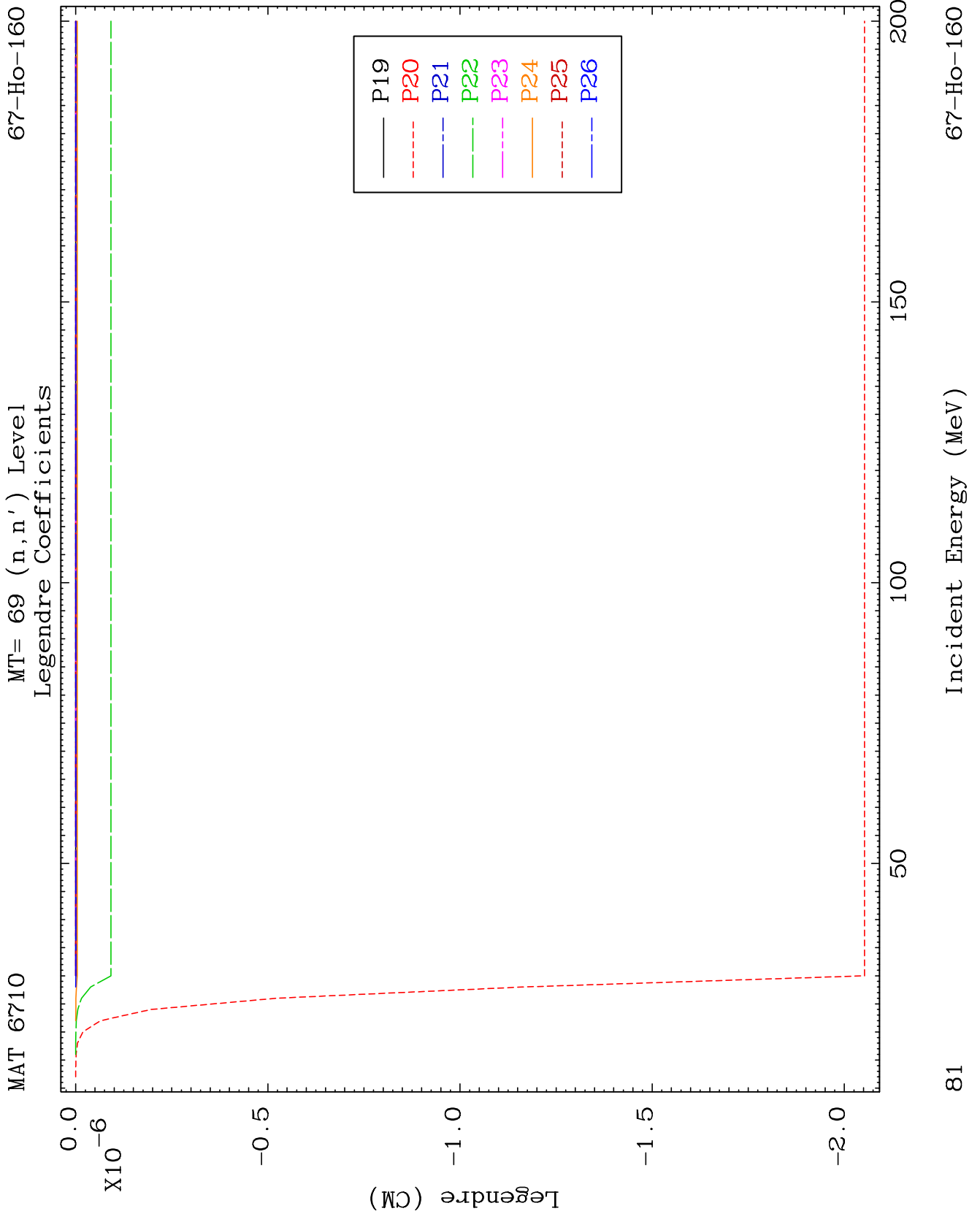


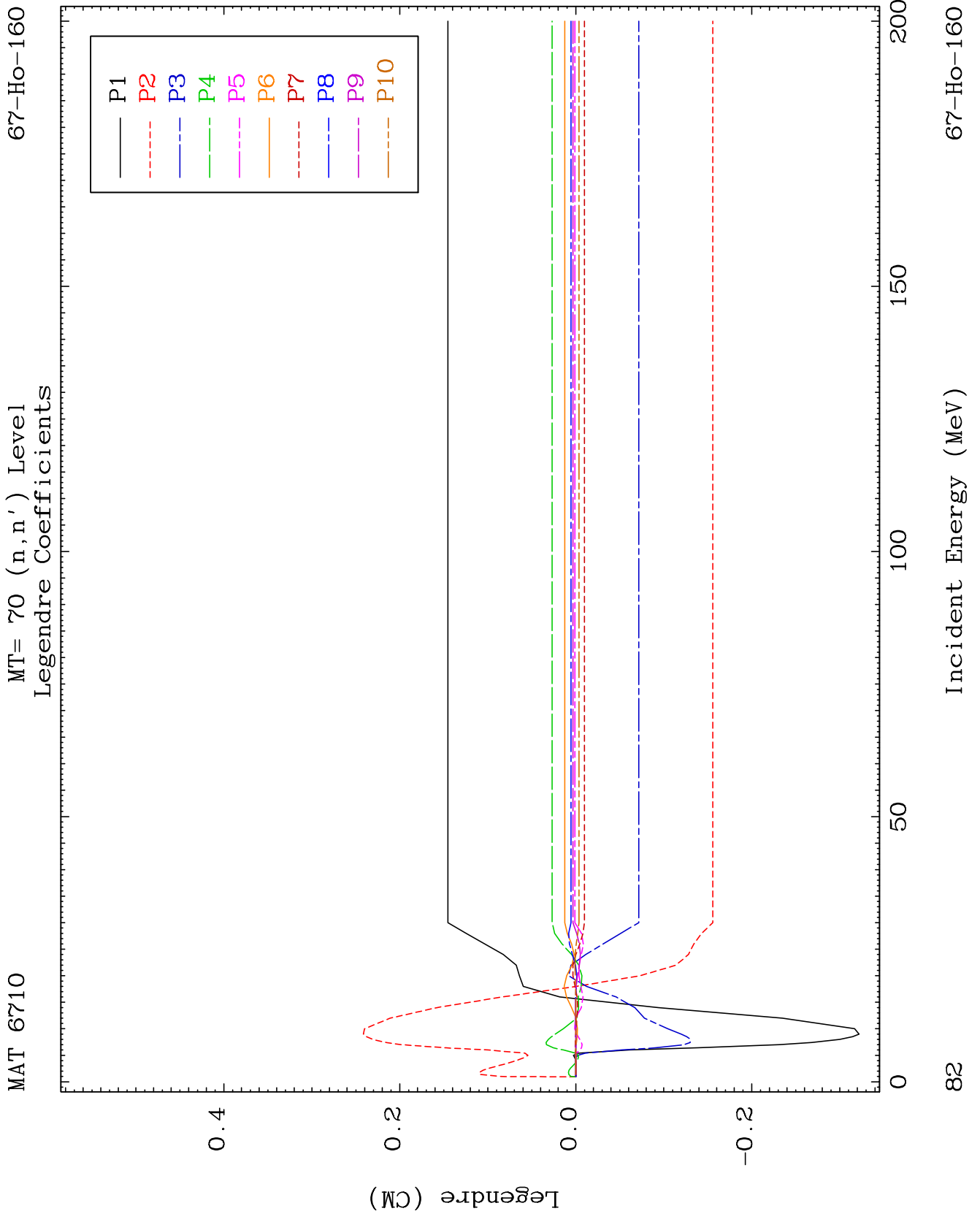
79

Incident Energy (MeV)

67-Ho-160





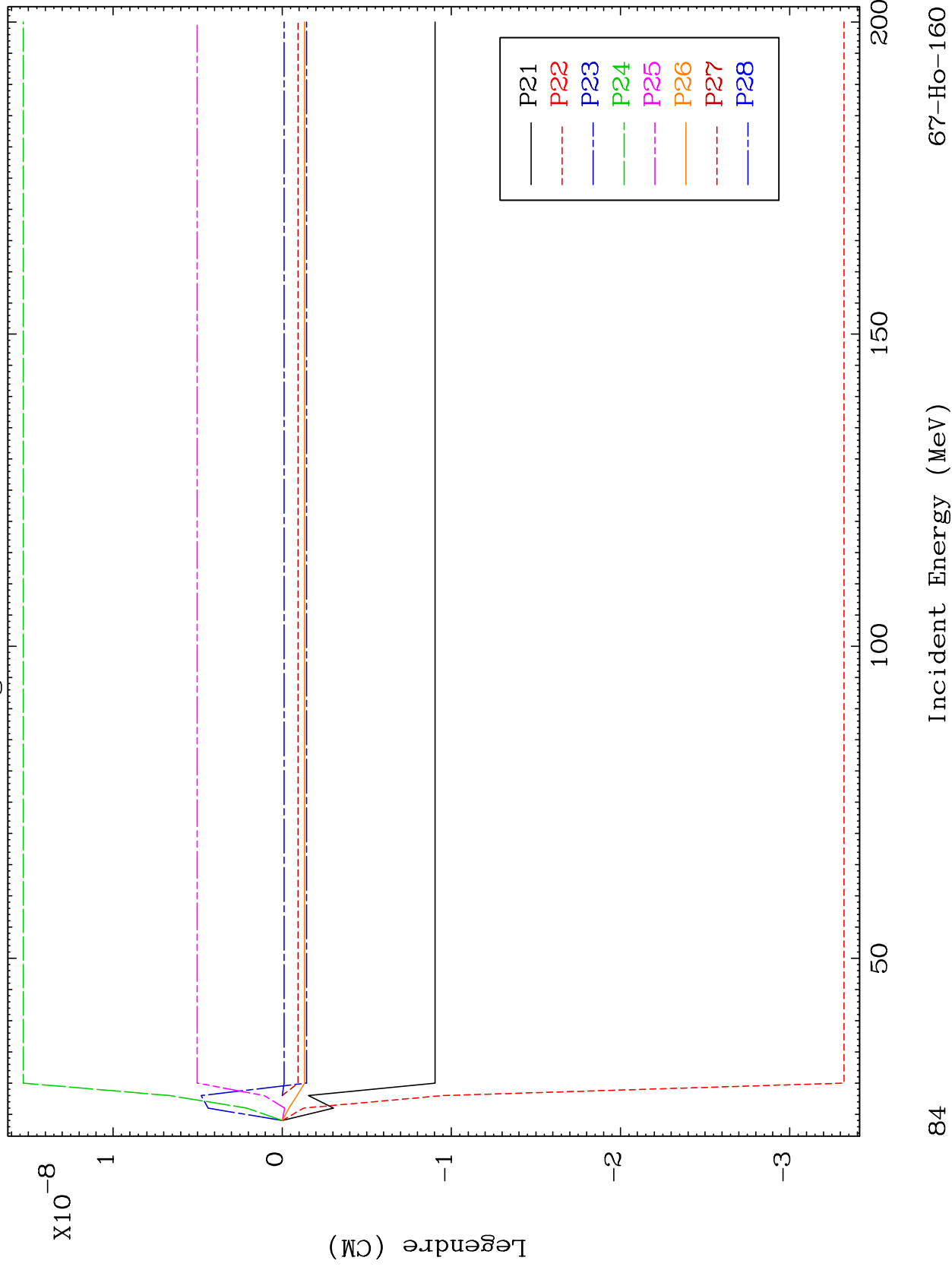




MAT 6710

MT= 70 (n,n') Level  
Legendre Coefficients

67-Ho-160



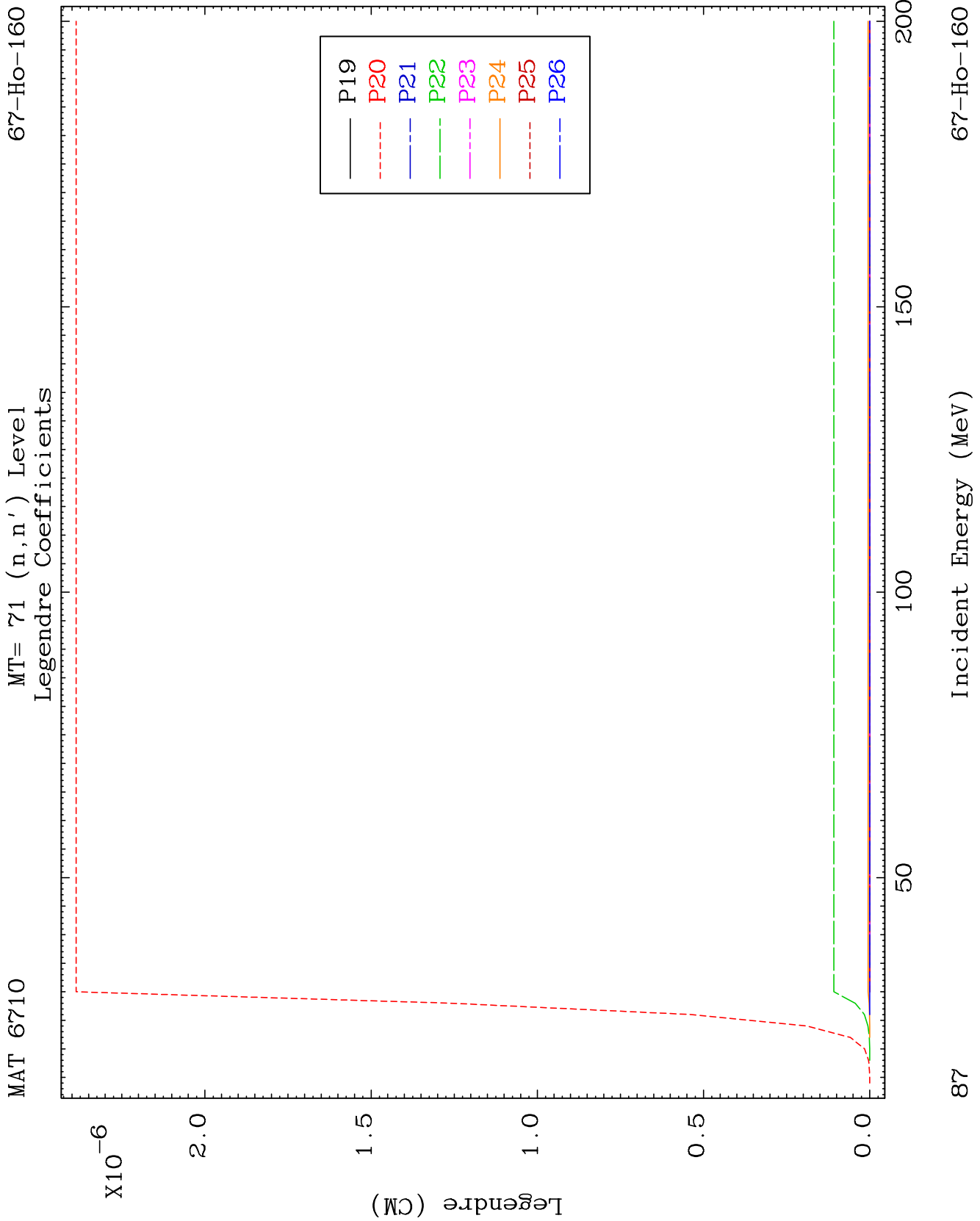
84

Incident Energy (MeV)

67-Ho-160



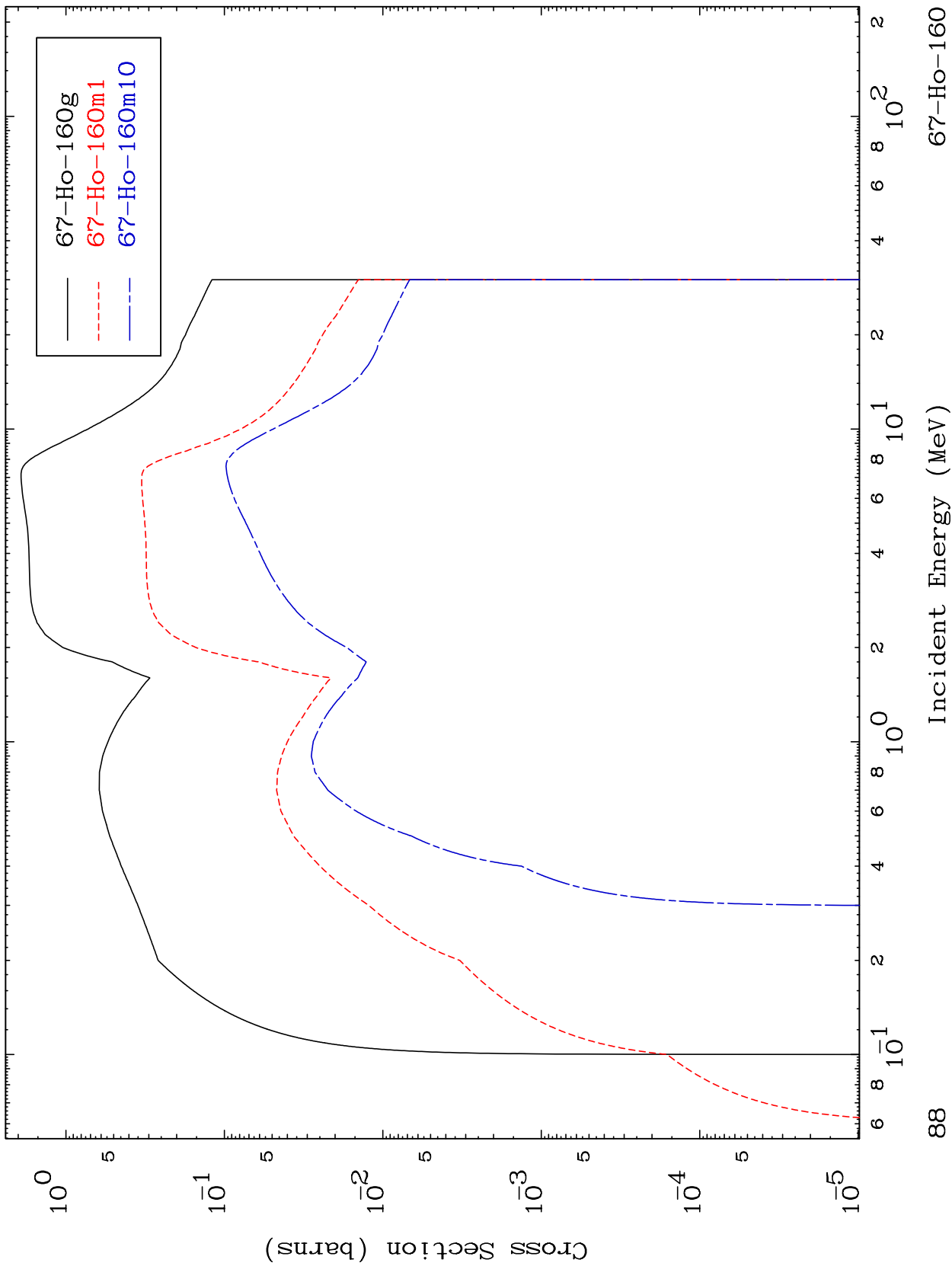




MAT 6710

67-Ho-160

### Radionuclide Production Inelastic Cross Section



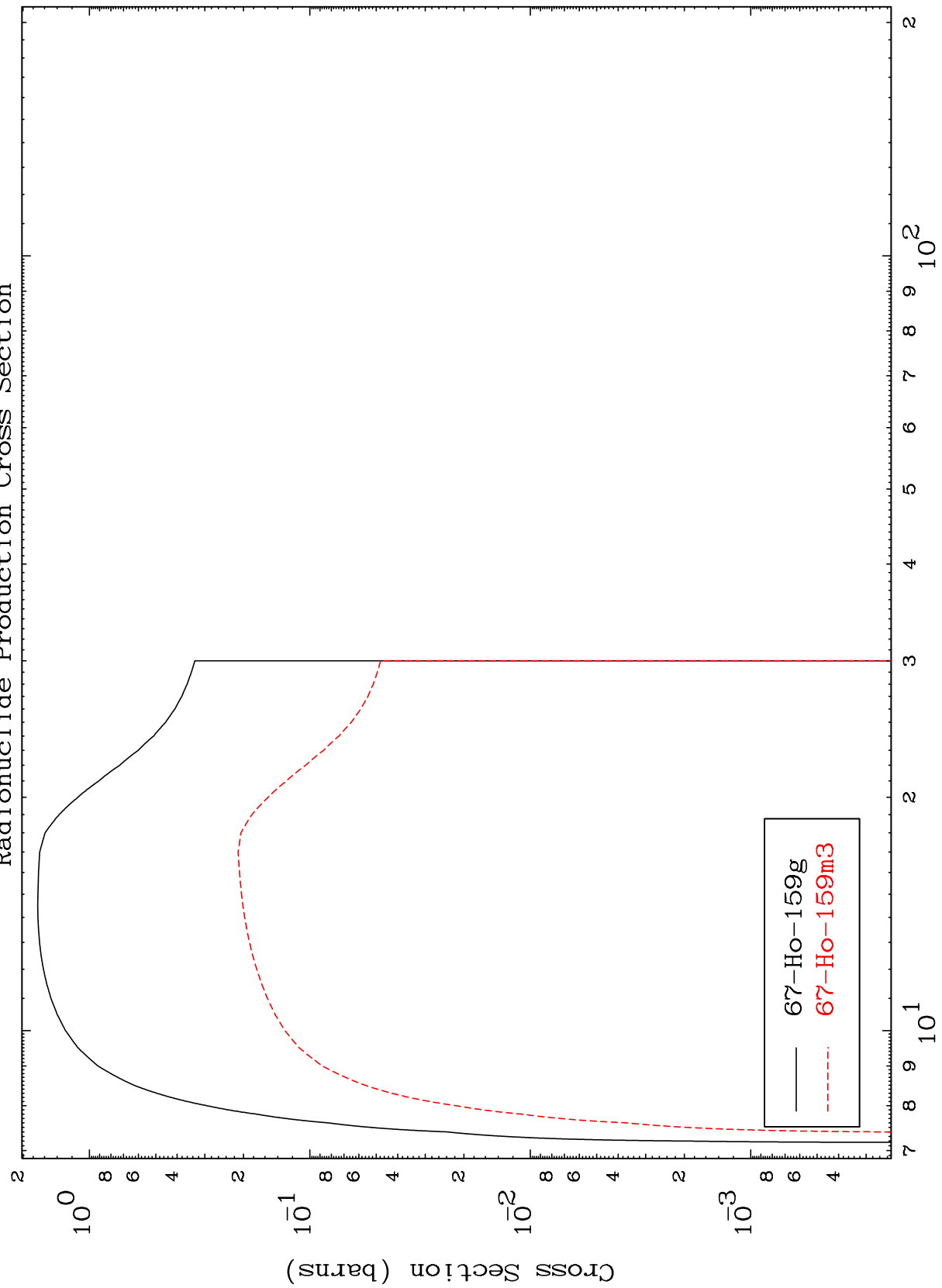
88

67-Ho-160

MAT 6710

67-Ho-160

(n,2n)  
Radionuclide Production Cross Section



— 67-Ho-159g  
- - - 67-Ho-159m3

89

Incident Energy (MeV)

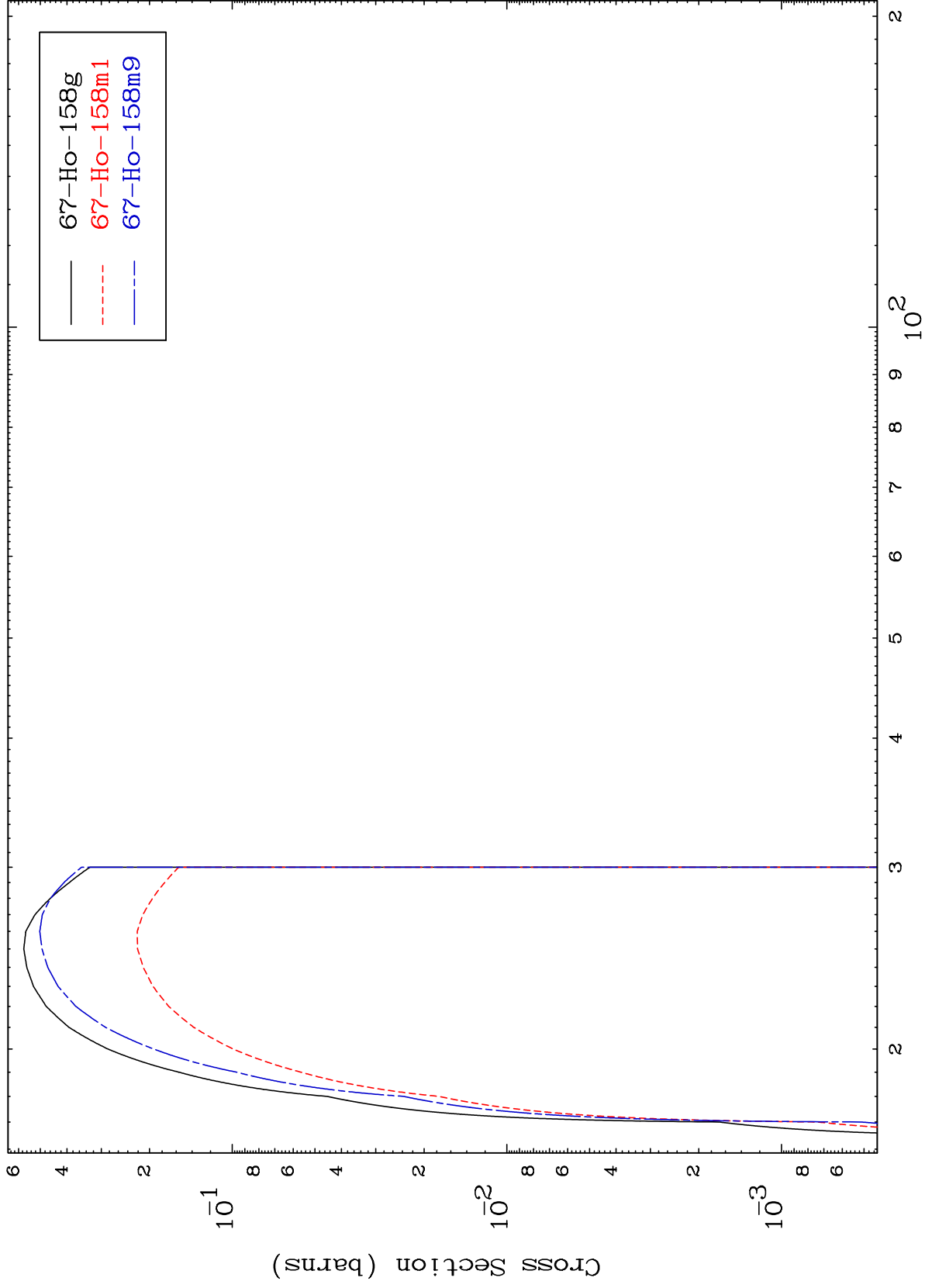
67-Ho-160

MAT 6710

(n,3n)

67-Ho-160

Radionuclide Production Cross Section



90

Incident Energy (MeV)

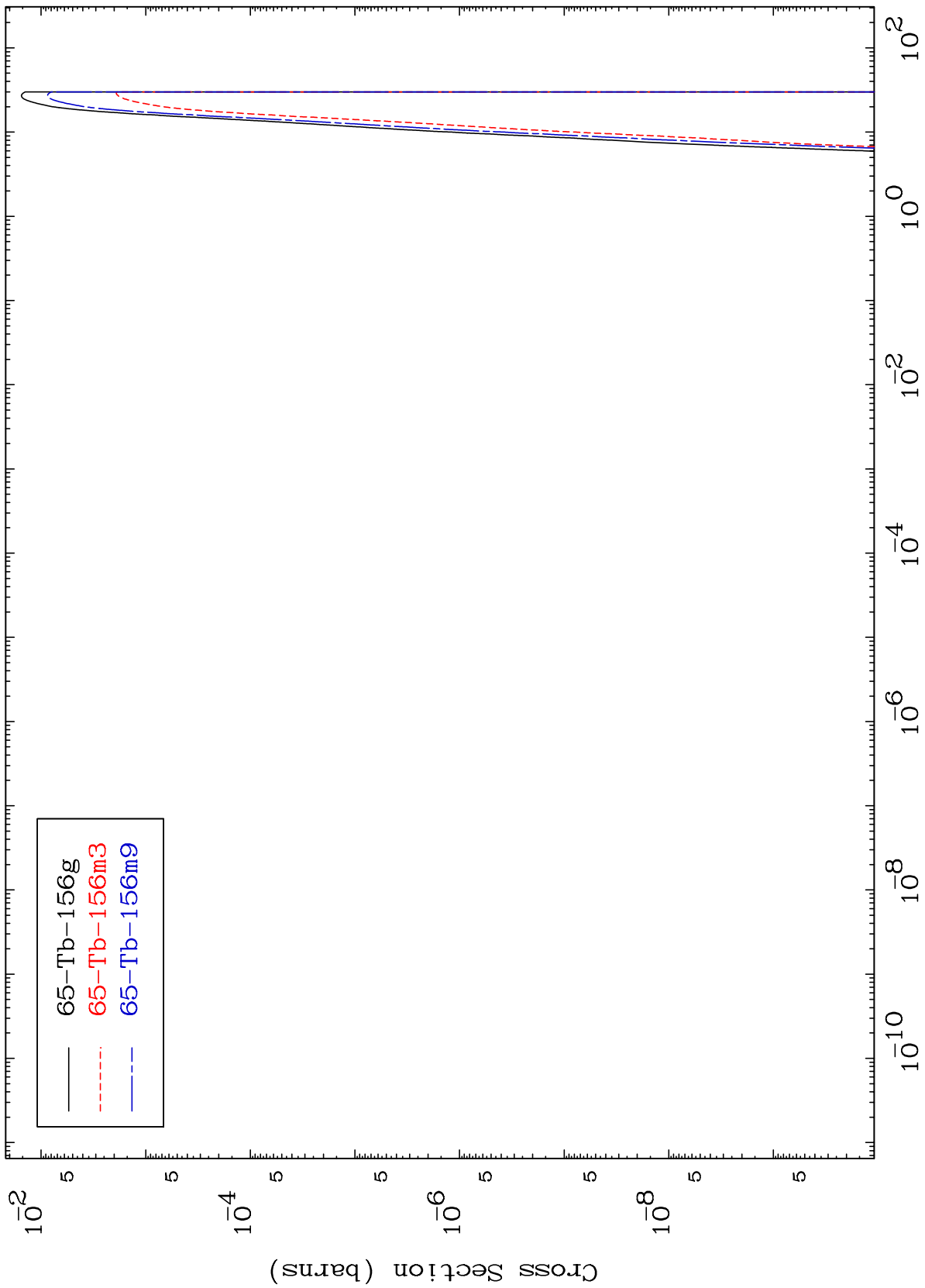
67-Ho-160

MAT 6710

$(n, n') \alpha$

67-Ho-160

Radionuclide Production Cross Section

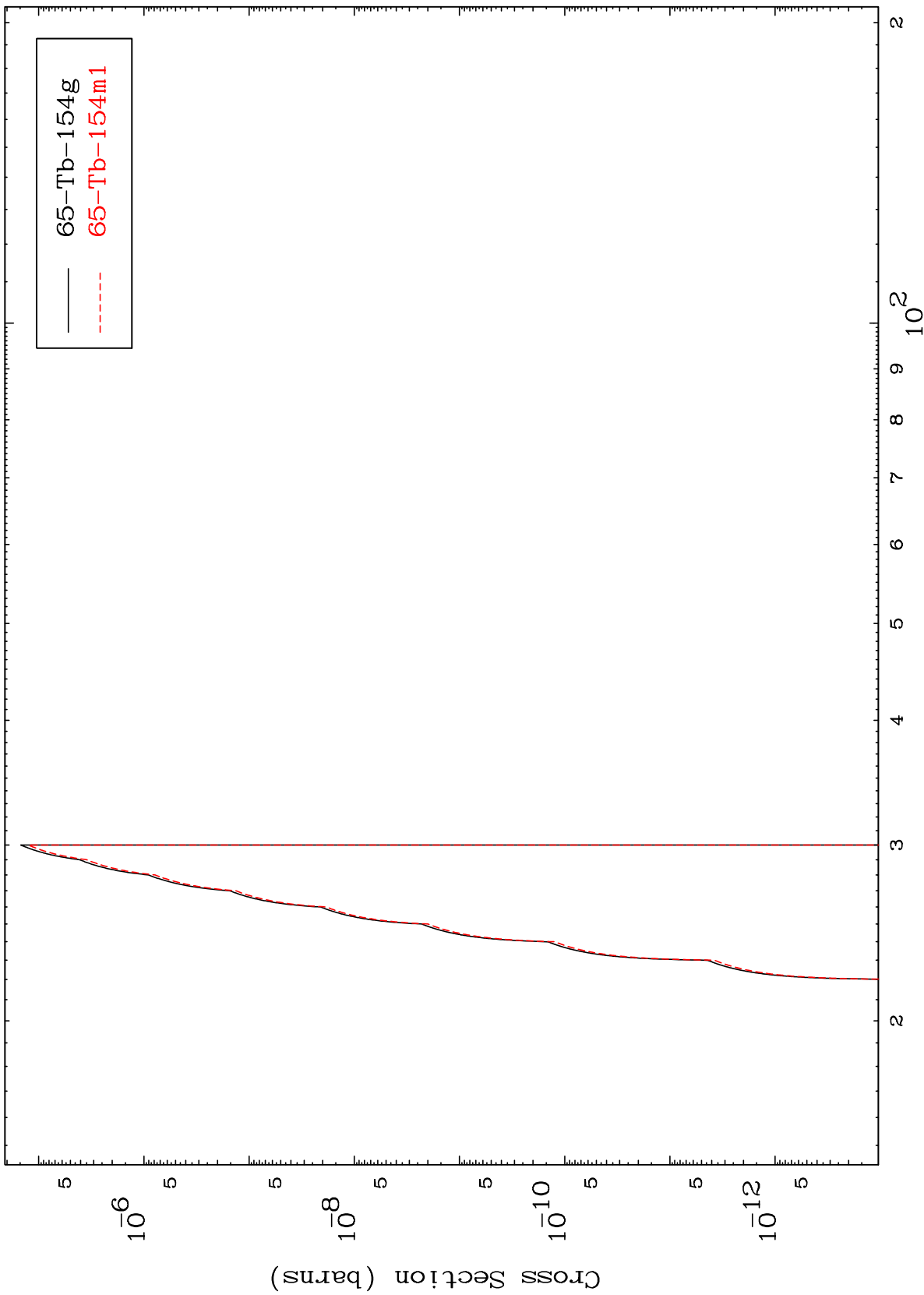


MAT 6710

$(n,3n) \alpha$

67-Ho-160

Radionuclide Production Cross Section

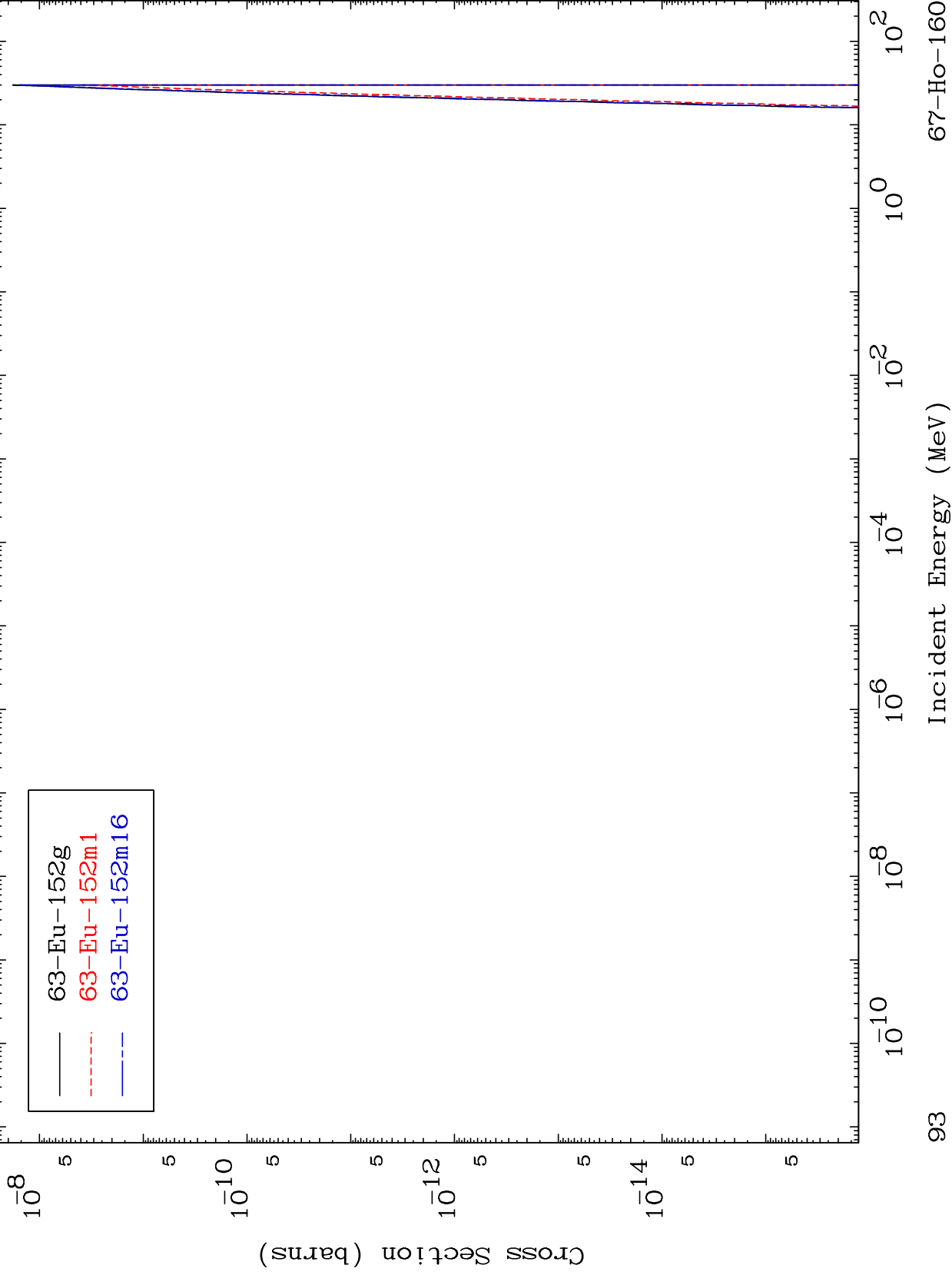


MAT 6710

(n,n') 2α

67-Ho-160

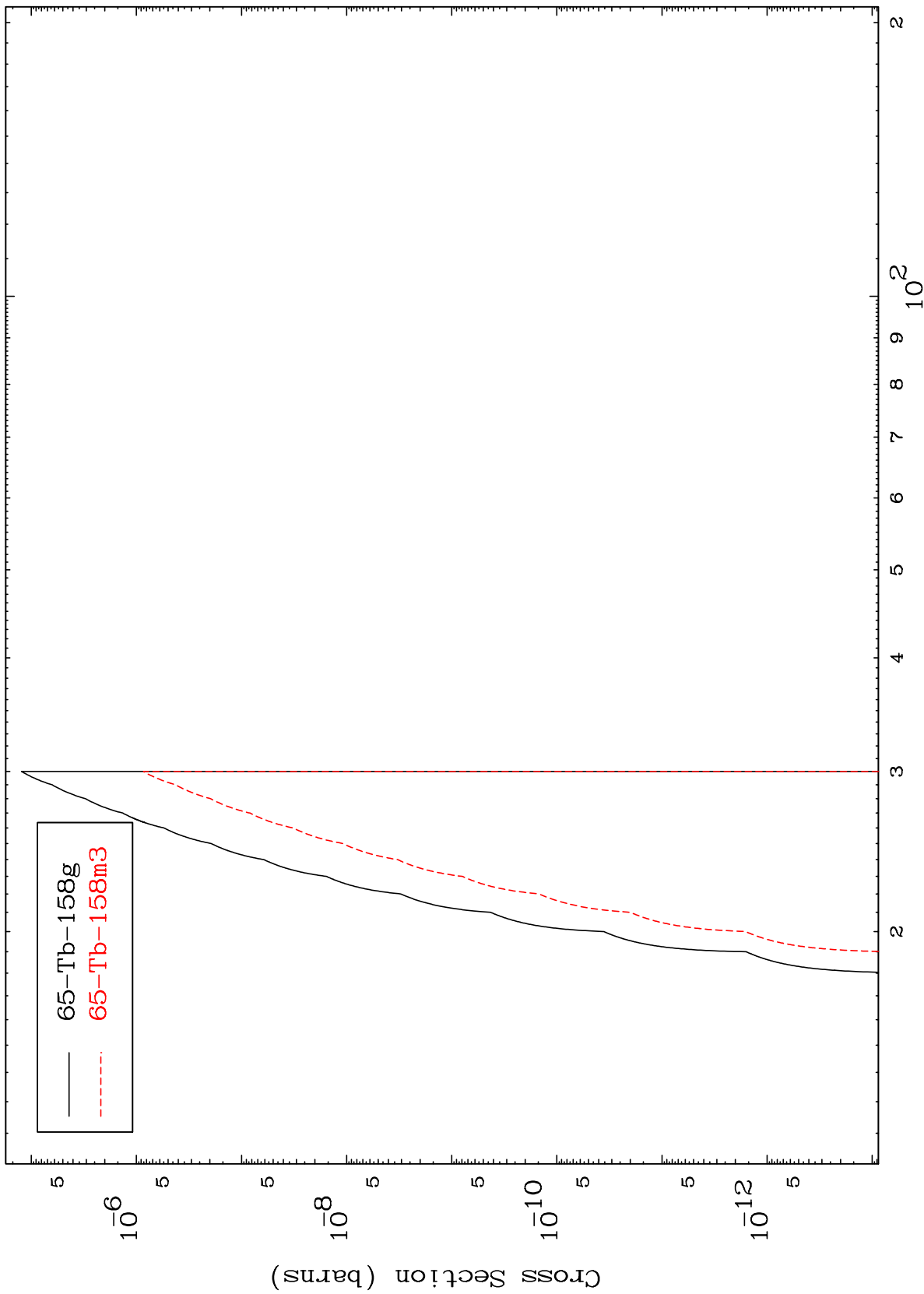
Radionuclide Production Cross Section



MAT 6710

67-Ho-160

(n,2n) p  
Radionuclide Production Cross Section



Incident Energy (MeV)

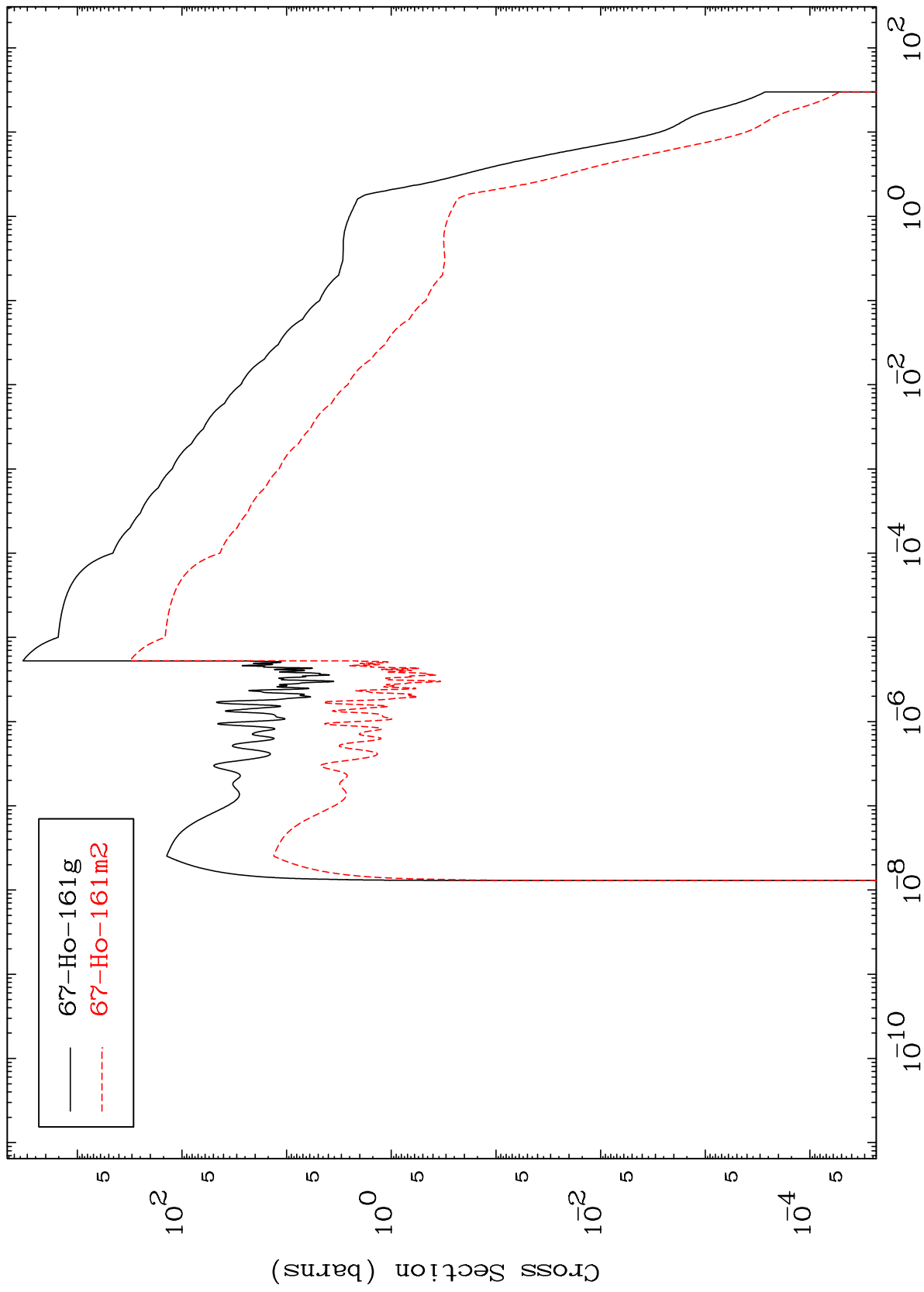
67-Ho-160

94

MAT 6710

67-Ho-160

Radionuclide Production Cross Section



95

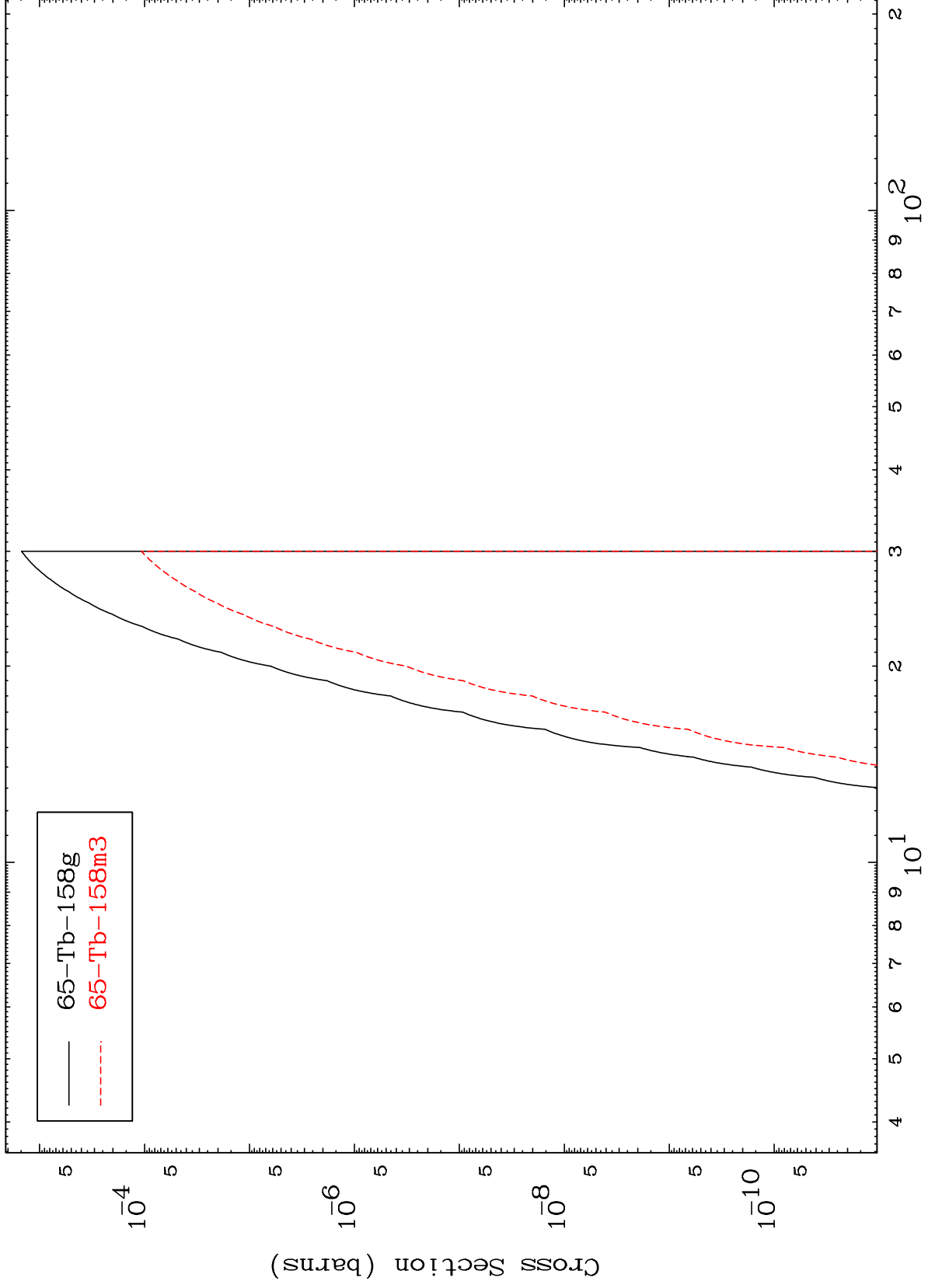
67-Ho-160

MAT 6710

(n,He-3)

67-Ho-160

Radionuclide Production Cross Section



96

Incident Energy (MeV)

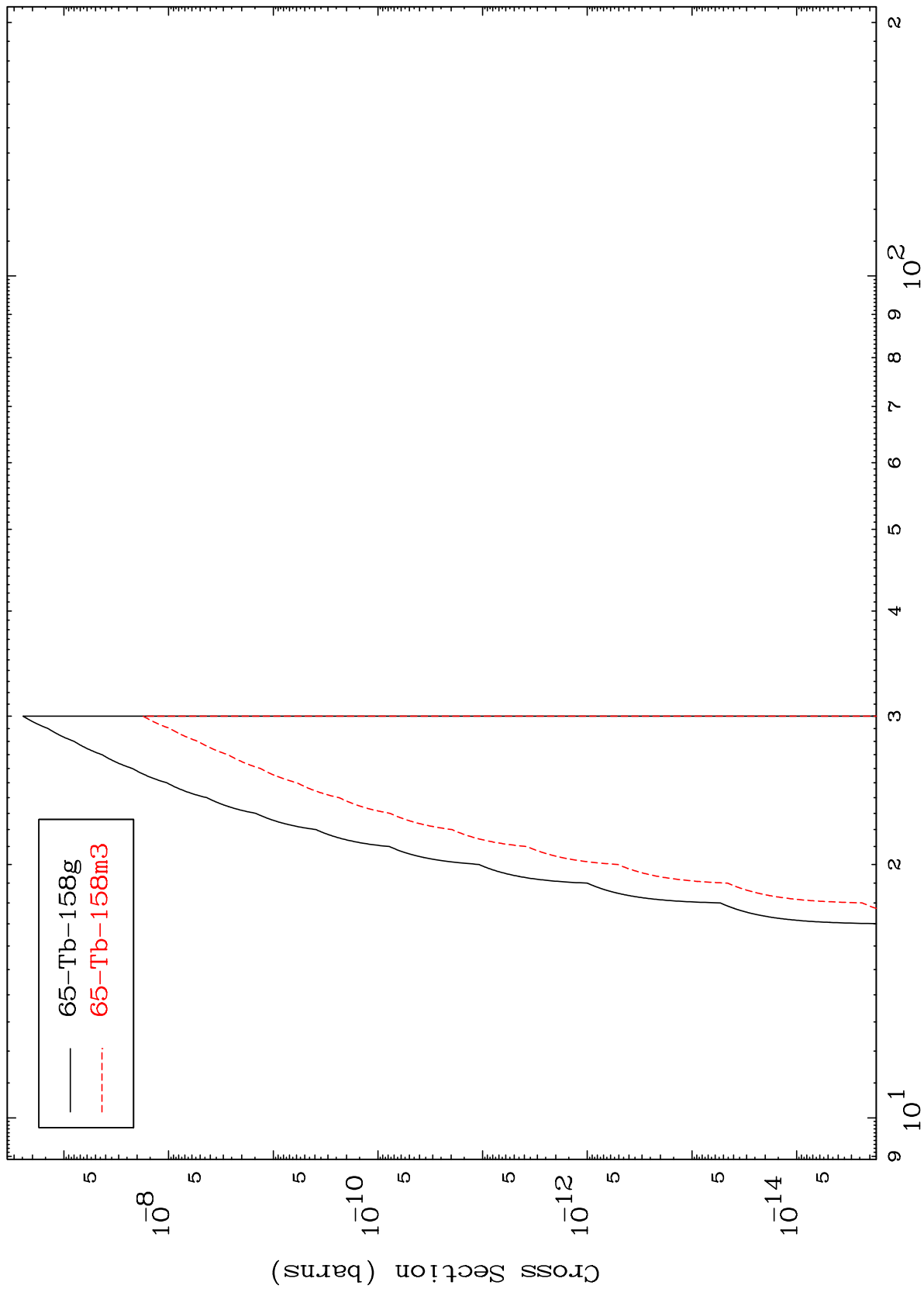
67-Ho-160

MAT 6710

(n,p) d

67-Ho-160

Radionuclide Production Cross Section



97

Incident Energy (MeV)

67-Ho-160