

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

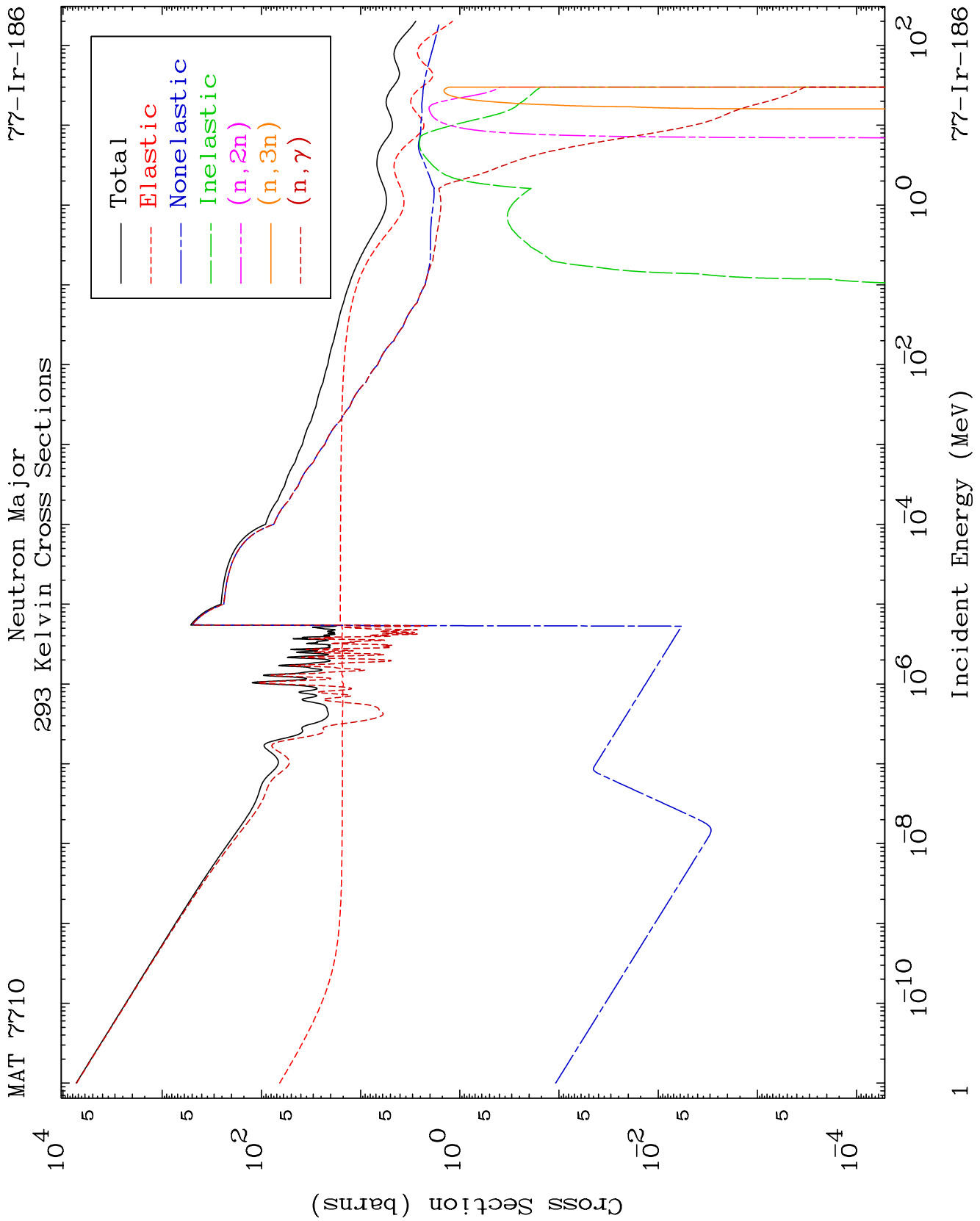
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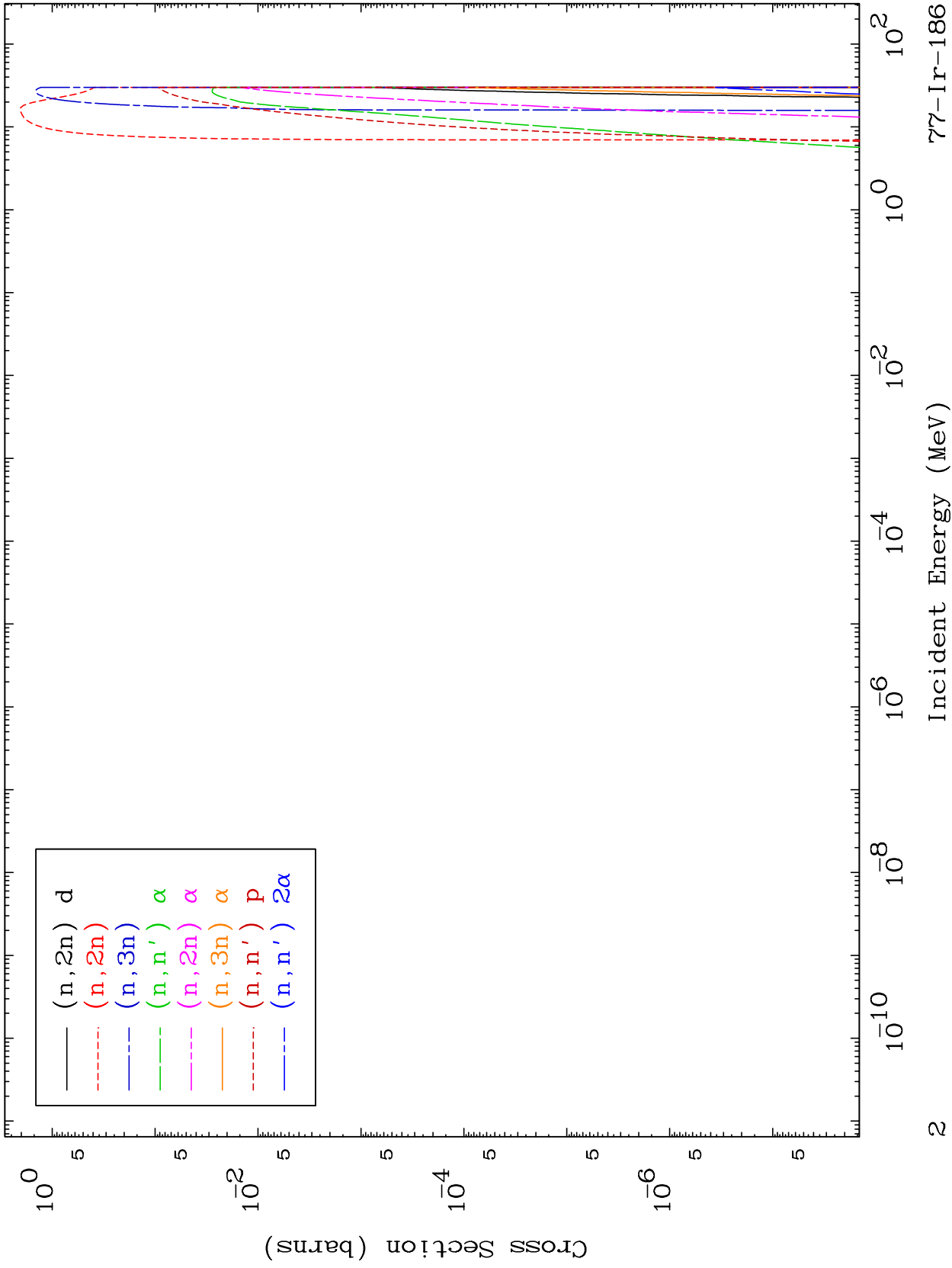
Press Mouse Button to Start



MAT 7710

Neutron Absorption  
293 Kelvin Cross Sections

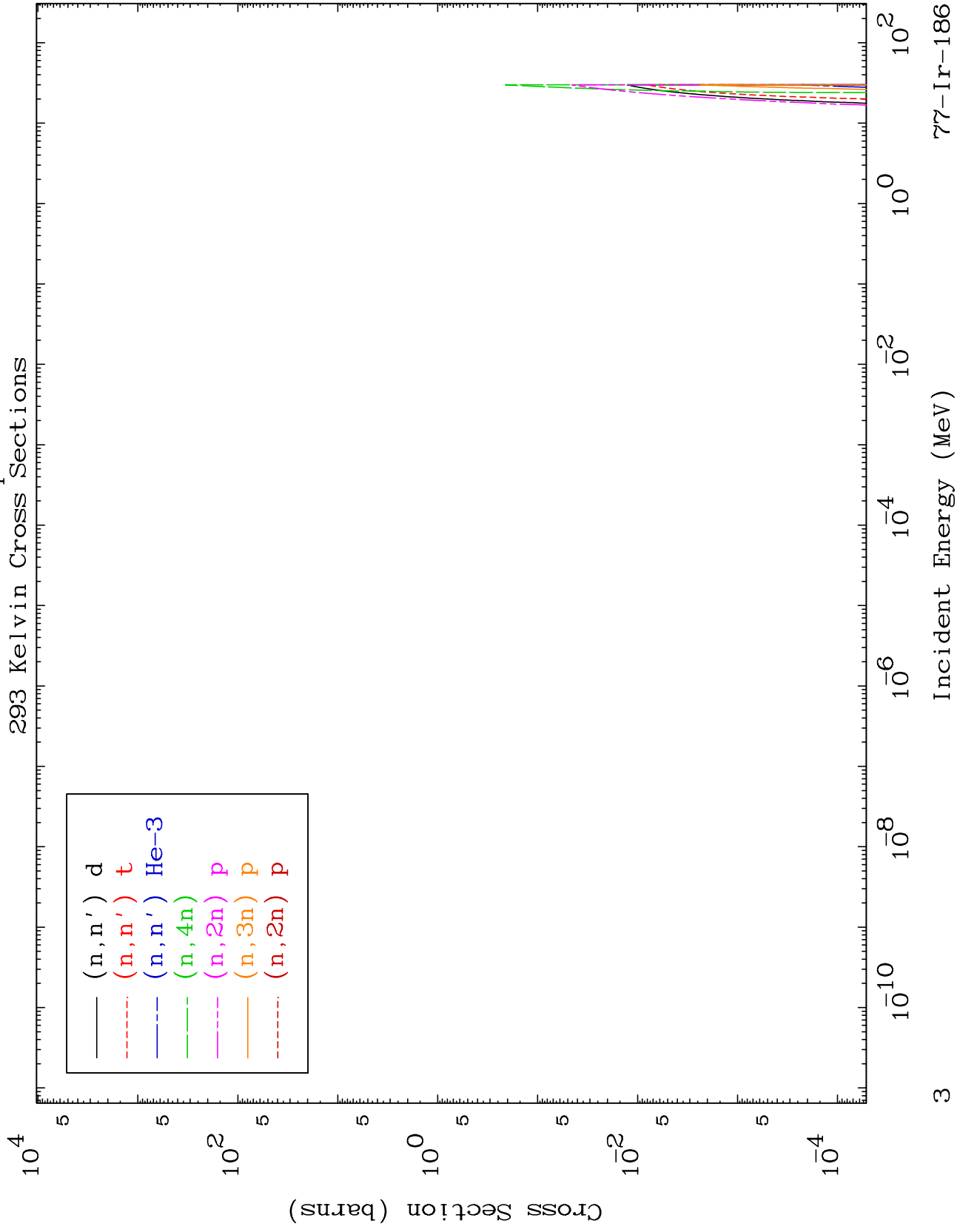
77-Ir-186



MAT 7710

Neutron Absorption  
293 Kelvin Cross Sections

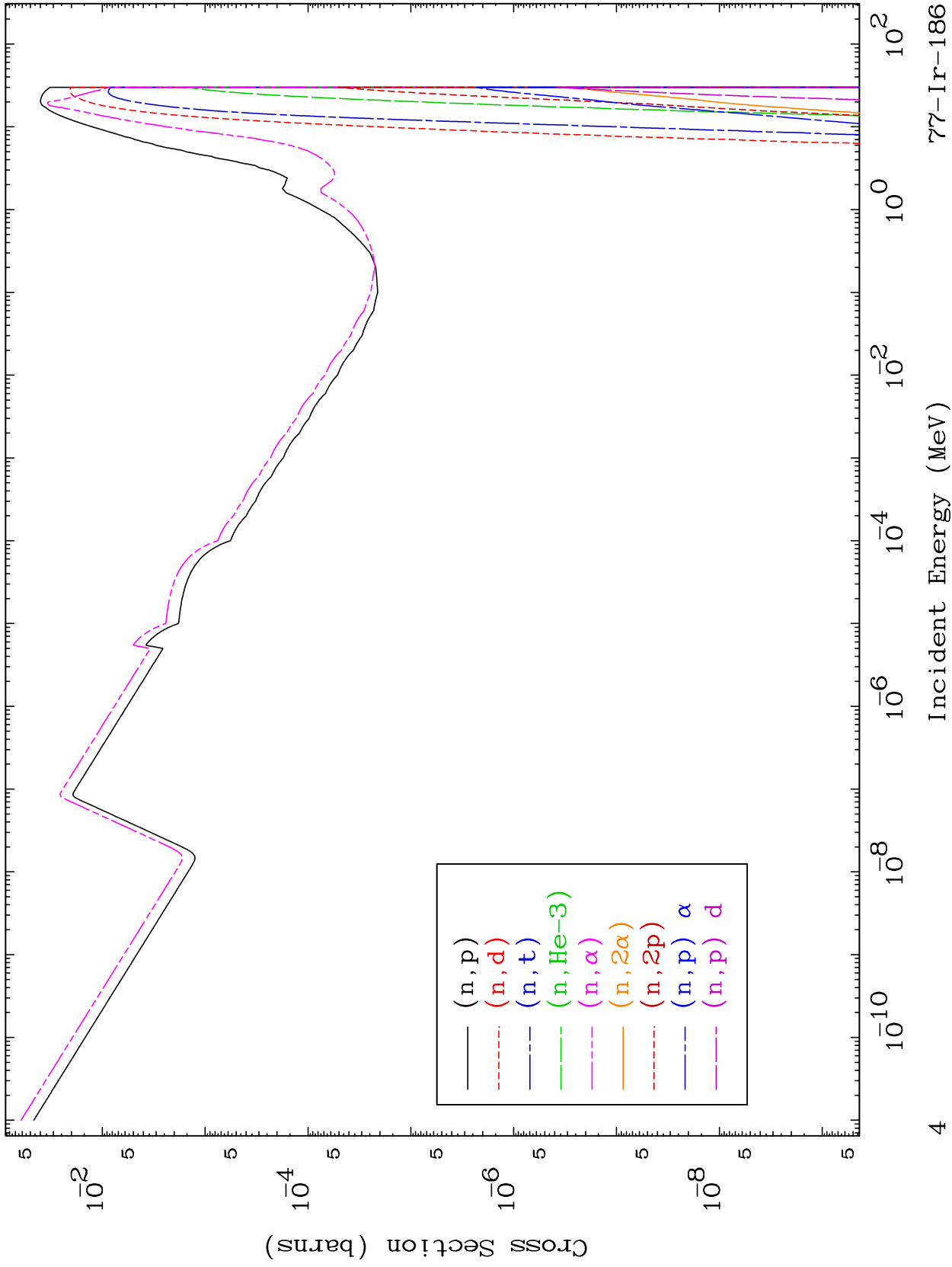
77-Ir-186

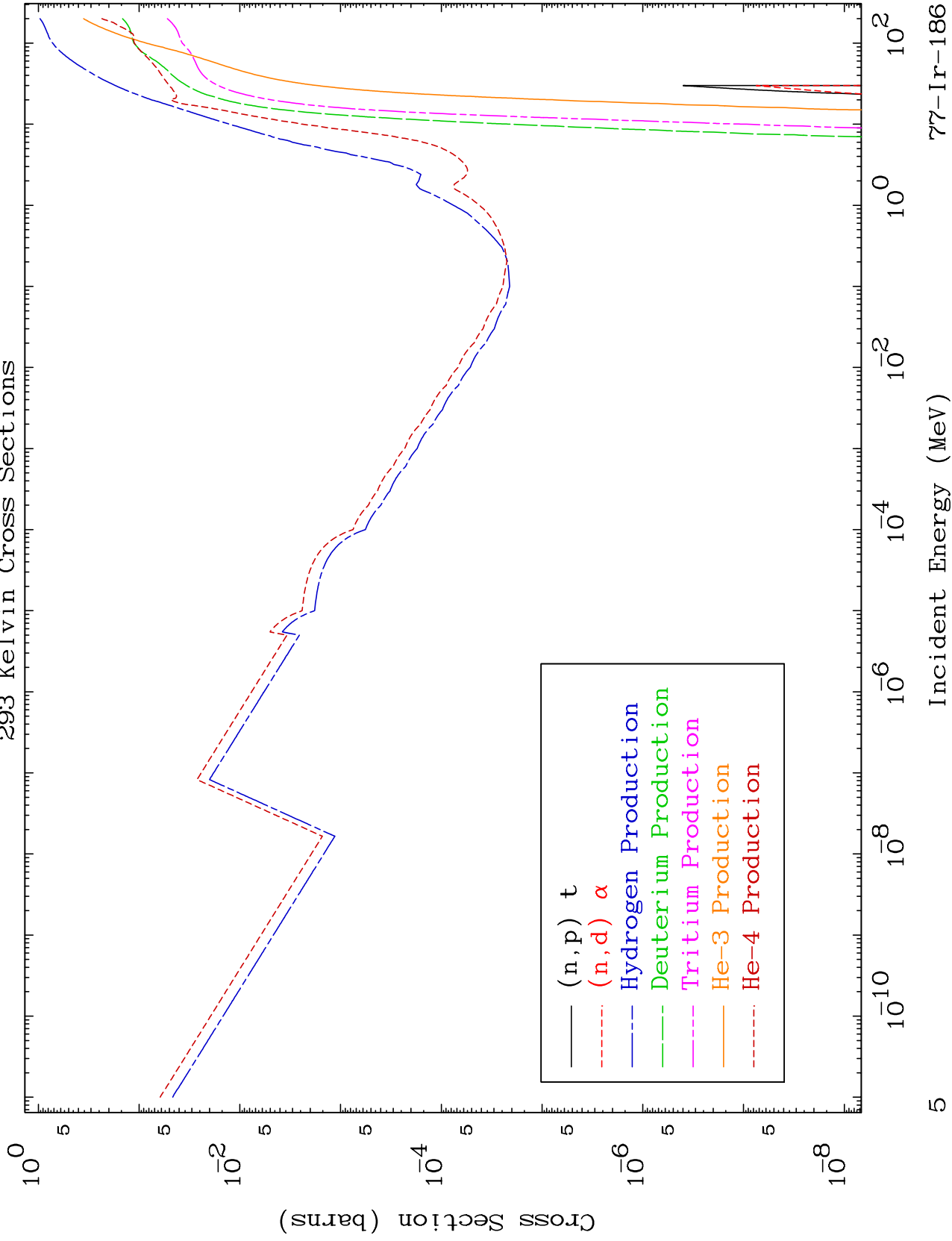


MAT 7710

Neutron Absorption  
293 Kelvin Cross Sections

77-Ir-186

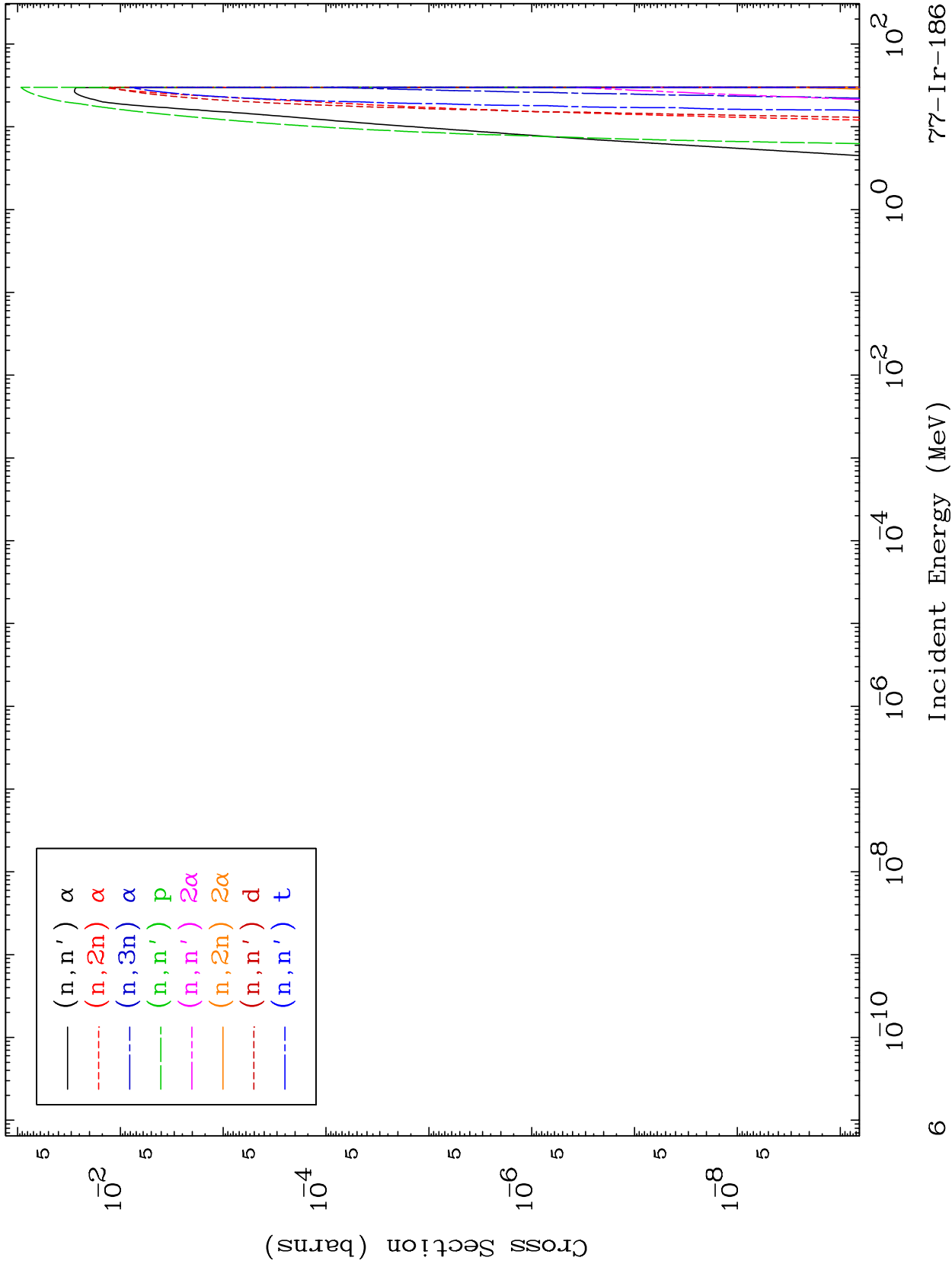




MAT 7710

Charged Particle  
293 Kelvin Cross Sections

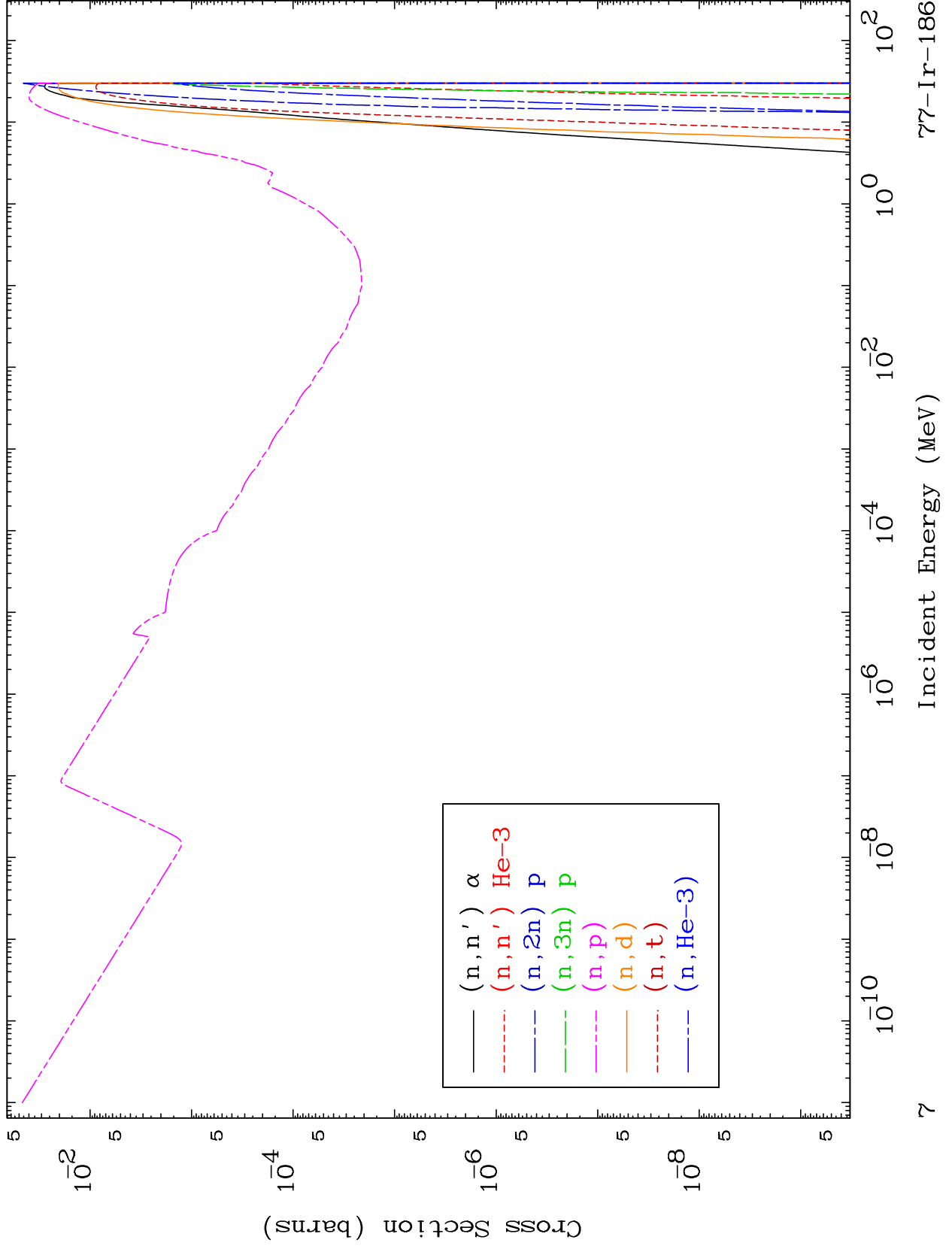
77-Ir-186



MAT 7710

Charged Particle  
293 Kelvin Cross Sections

<sup>77</sup>Ir-186

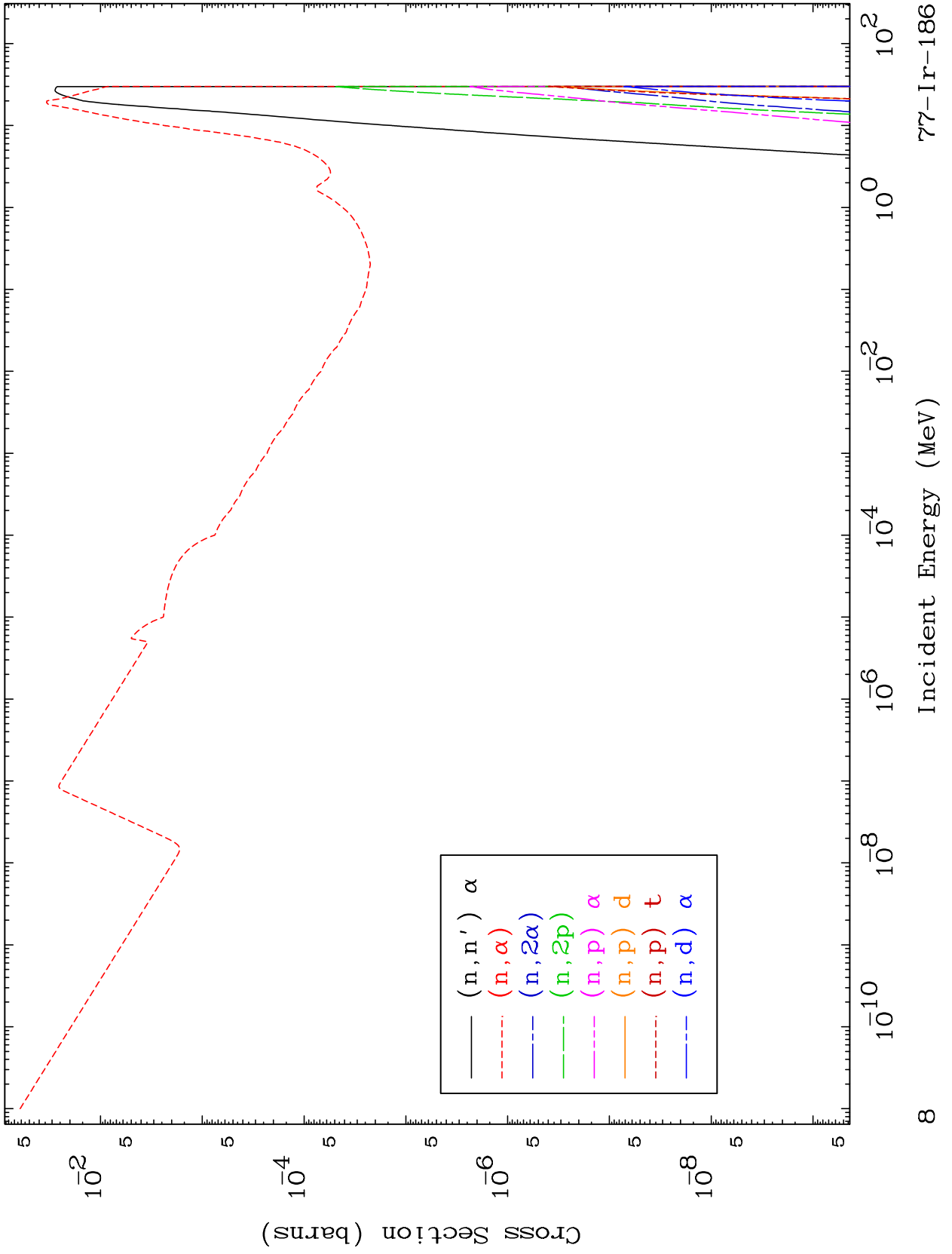




MAT 7710

Charged Particle  
293 Kelvin Cross Sections

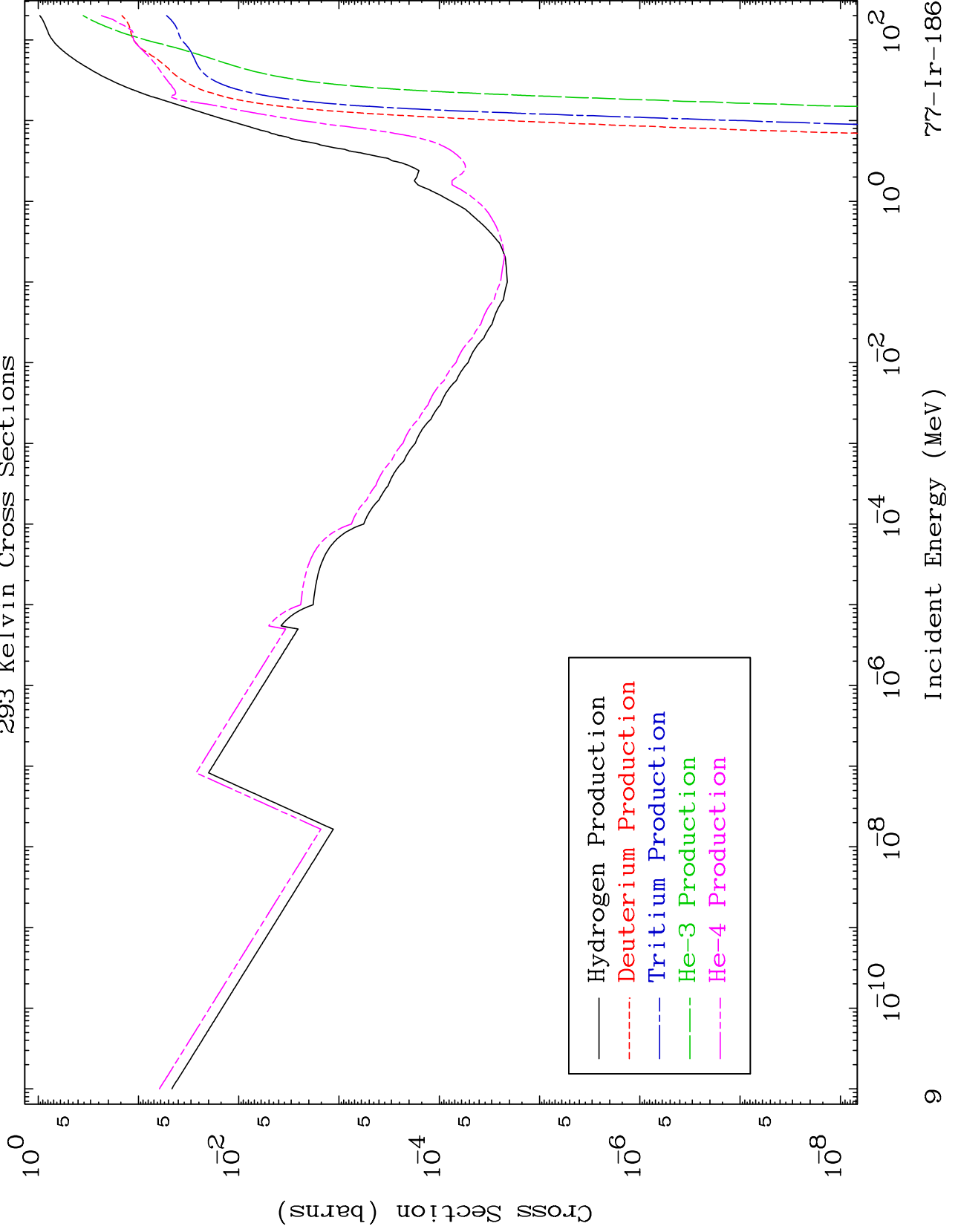
77-Ir-186



MAT 7710

Particle Production  
293 Kelvin Cross Sections

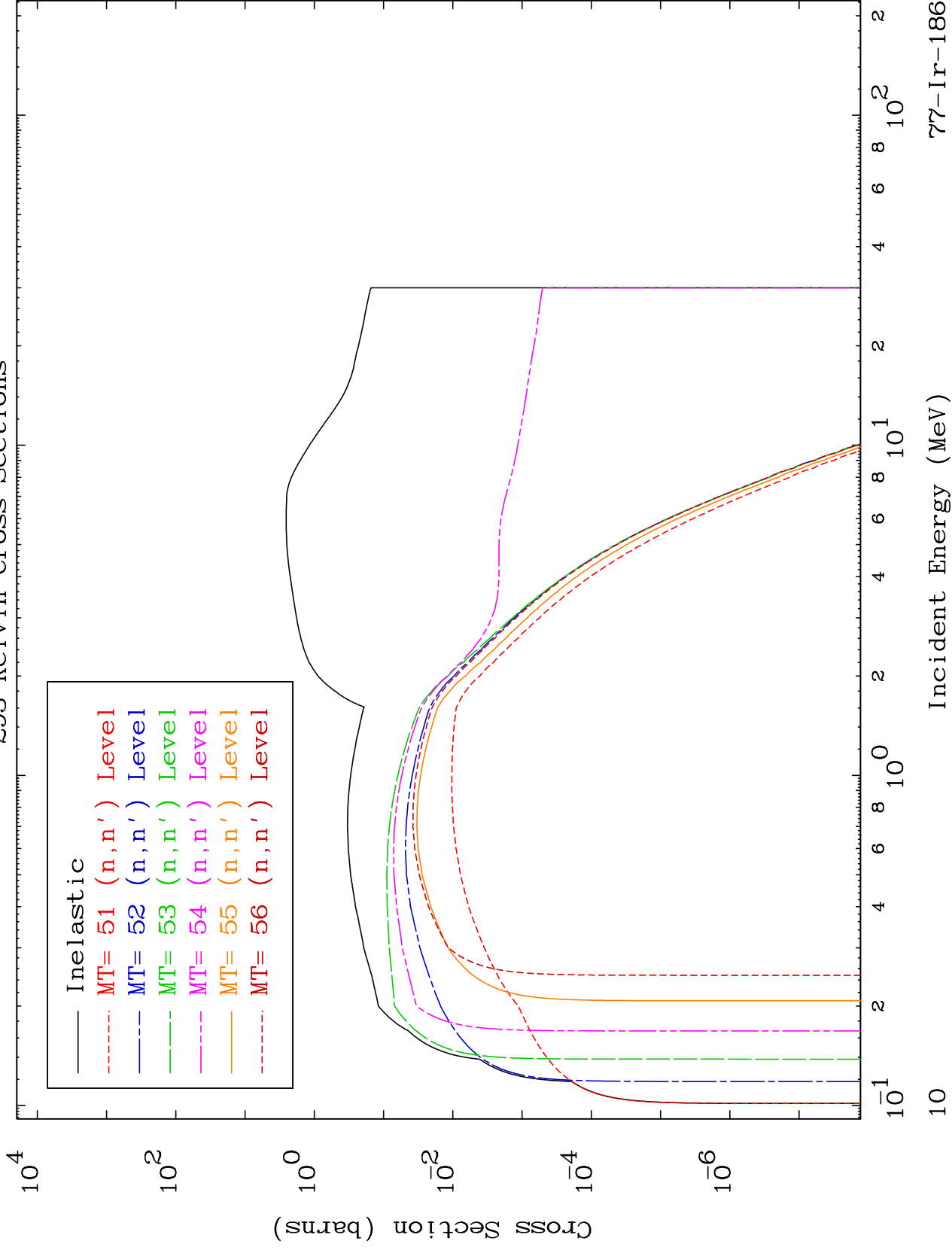
77-Ir-186



MAT 7710

(n,n') Levels  
293 Kelvin Cross Sections

77-Ir-186

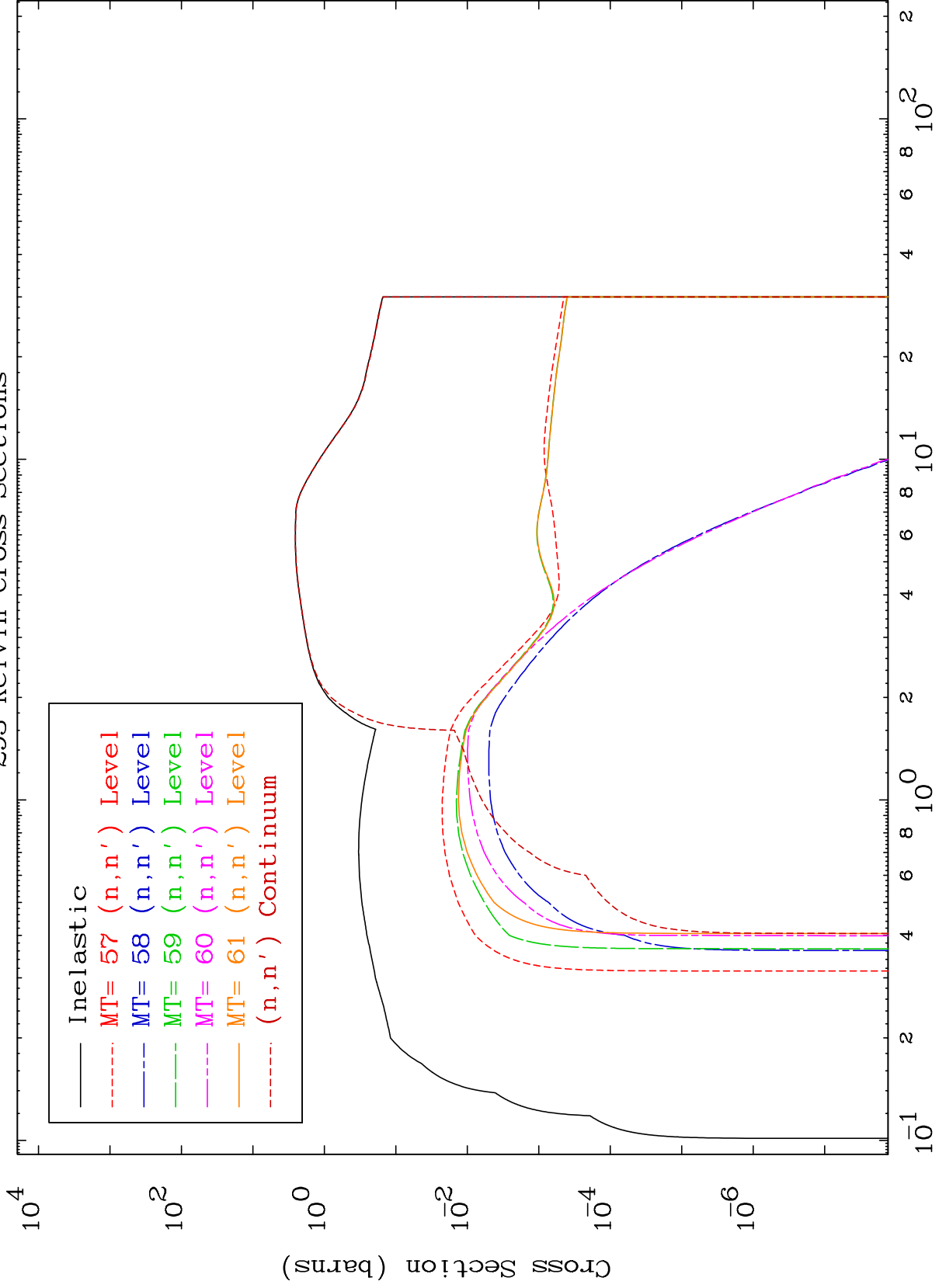


77-Ir-186

MAT 7710

(n,n') Levels  
293 Kelvin Cross Sections

77-Ir-186



11

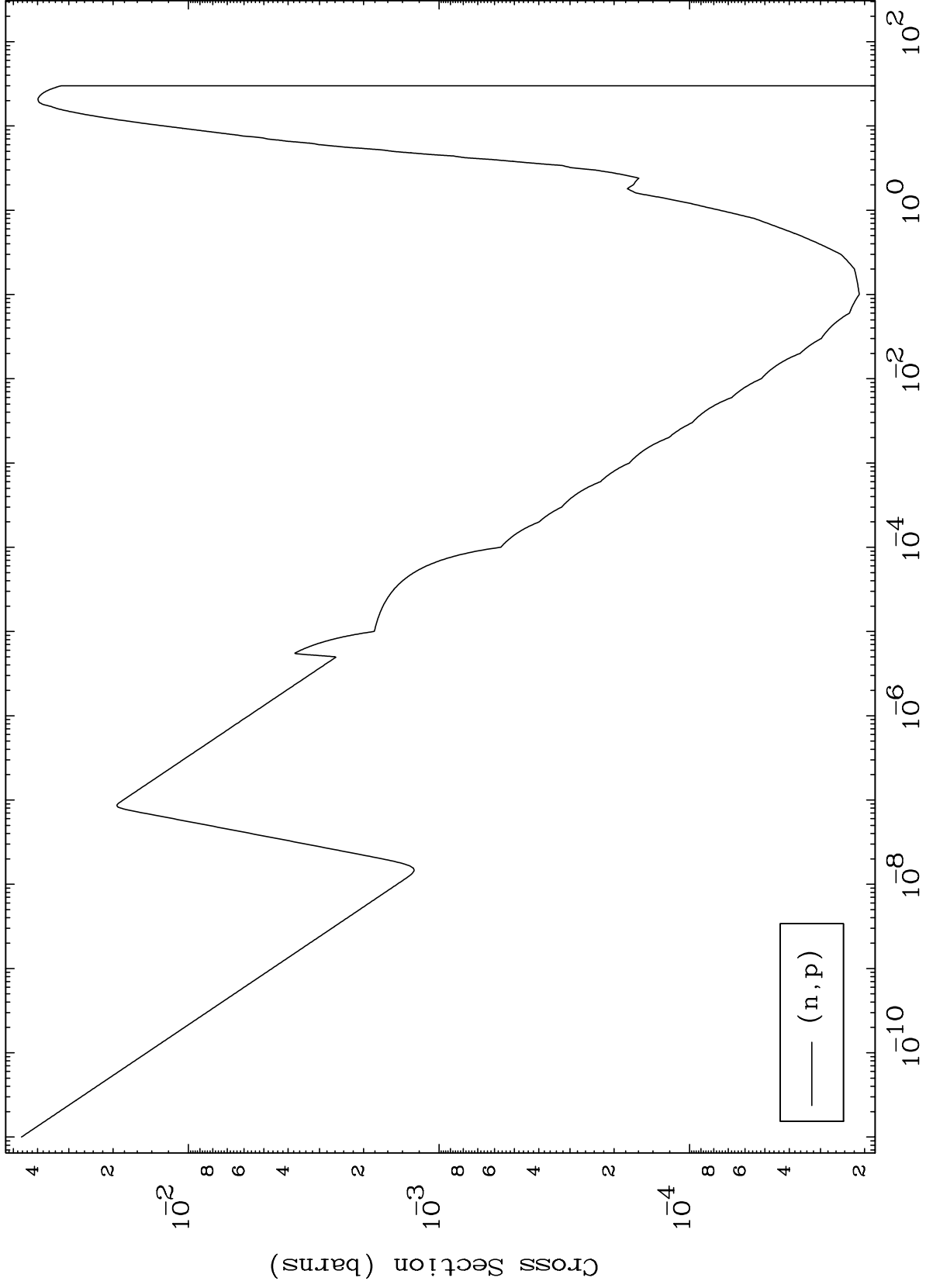
Incident Energy (MeV)

77-Ir-186

MAT 7710

(n,p) Levels  
293 Kelvin Cross Sections

77-Ir-186



12

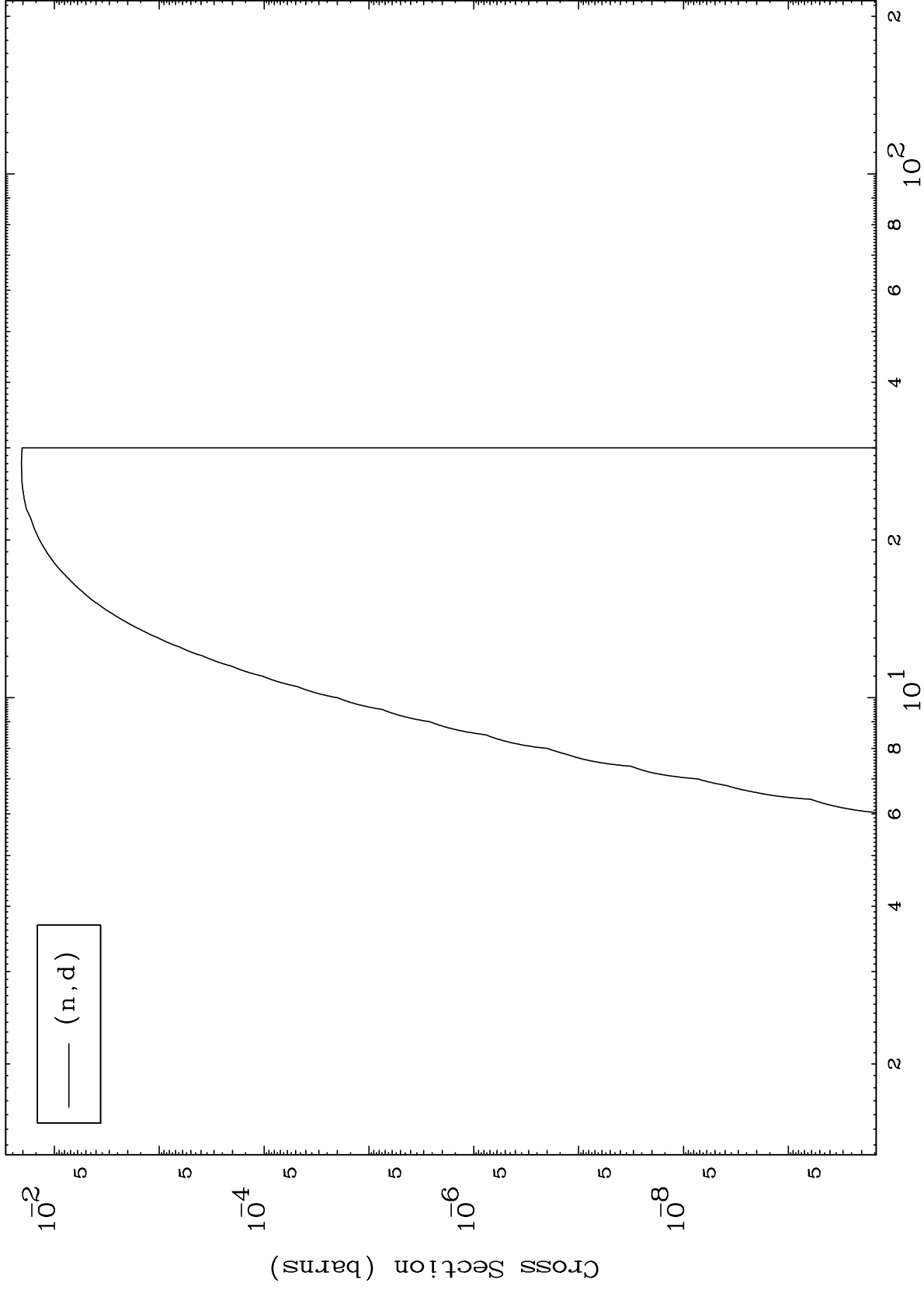
Incident Energy (MeV)

77-Ir-186

MAT 7710

(n,d) Levels  
293 Kelvin Cross Sections

77-Ir-186



13

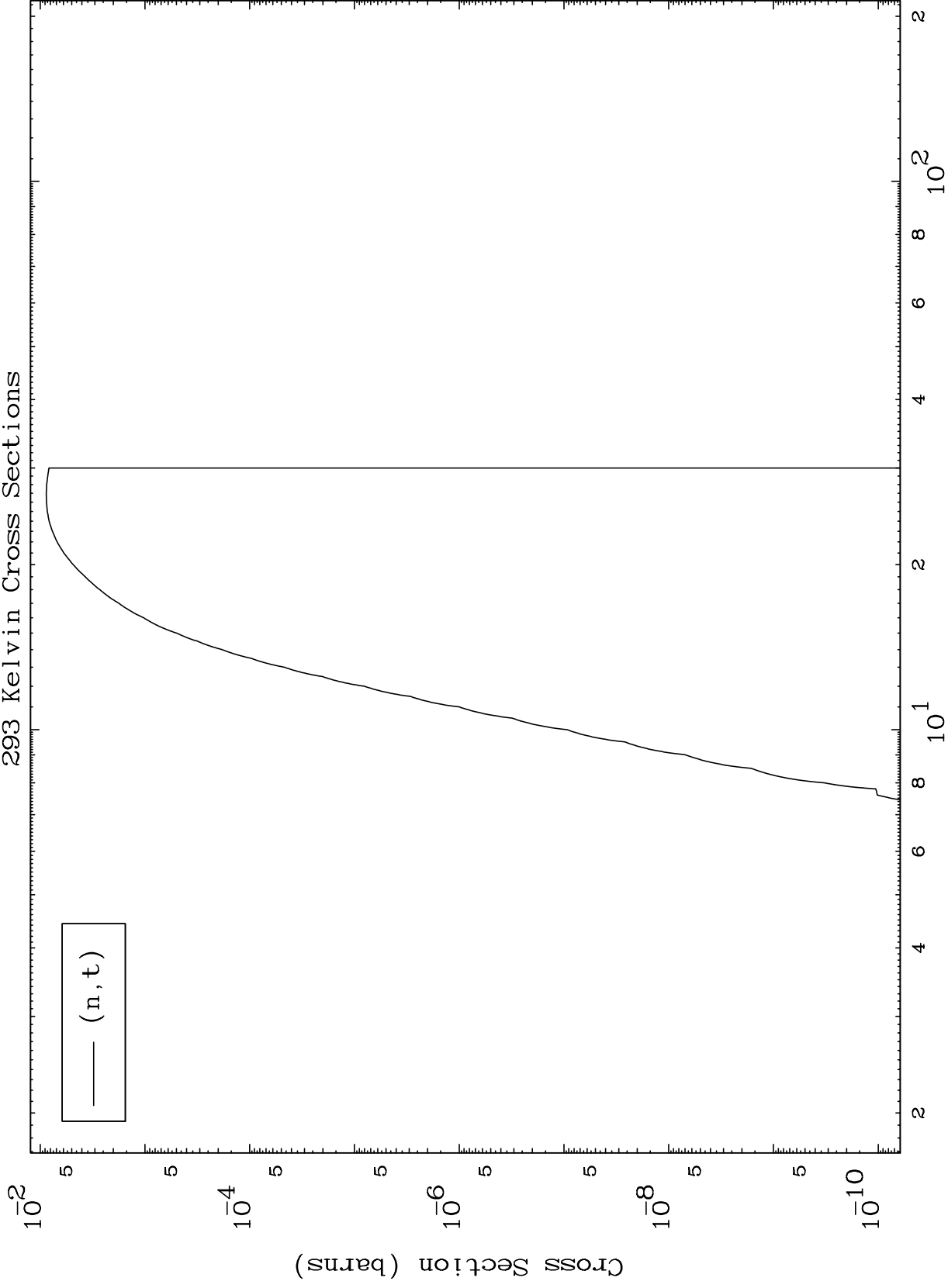
Incident Energy (MeV)

77-Ir-186

MAT 7710

(n,t) Levels  
293 Kelvin Cross Sections

77-Ir-186



14

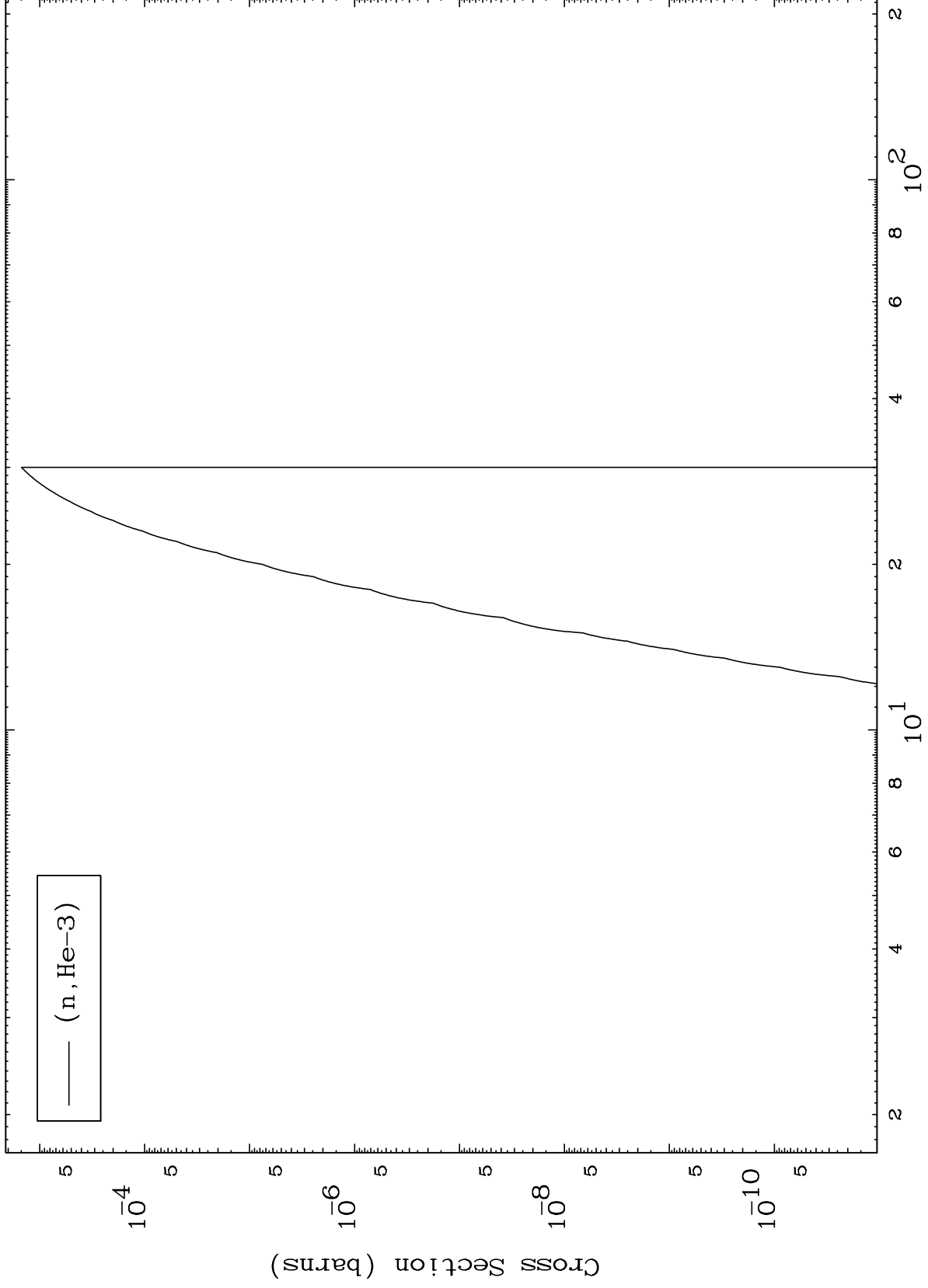
Incident Energy (MeV)

77-Ir-186

MAT 7710

(n,He3) Levels  
293 Kelvin Cross Sections

77-Ir-186



15

Incident Energy (MeV)

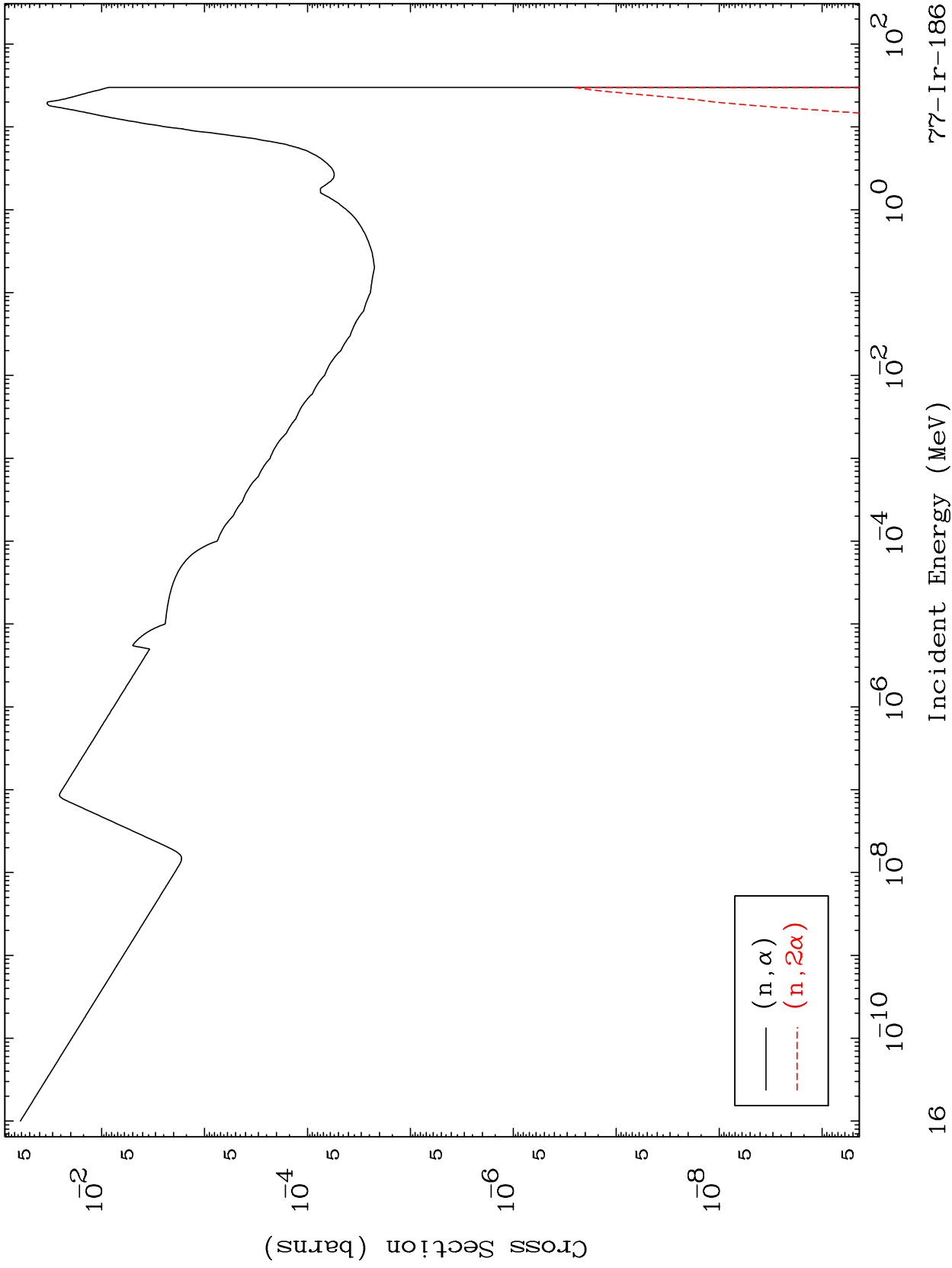
77-Ir-186



MAT 7710

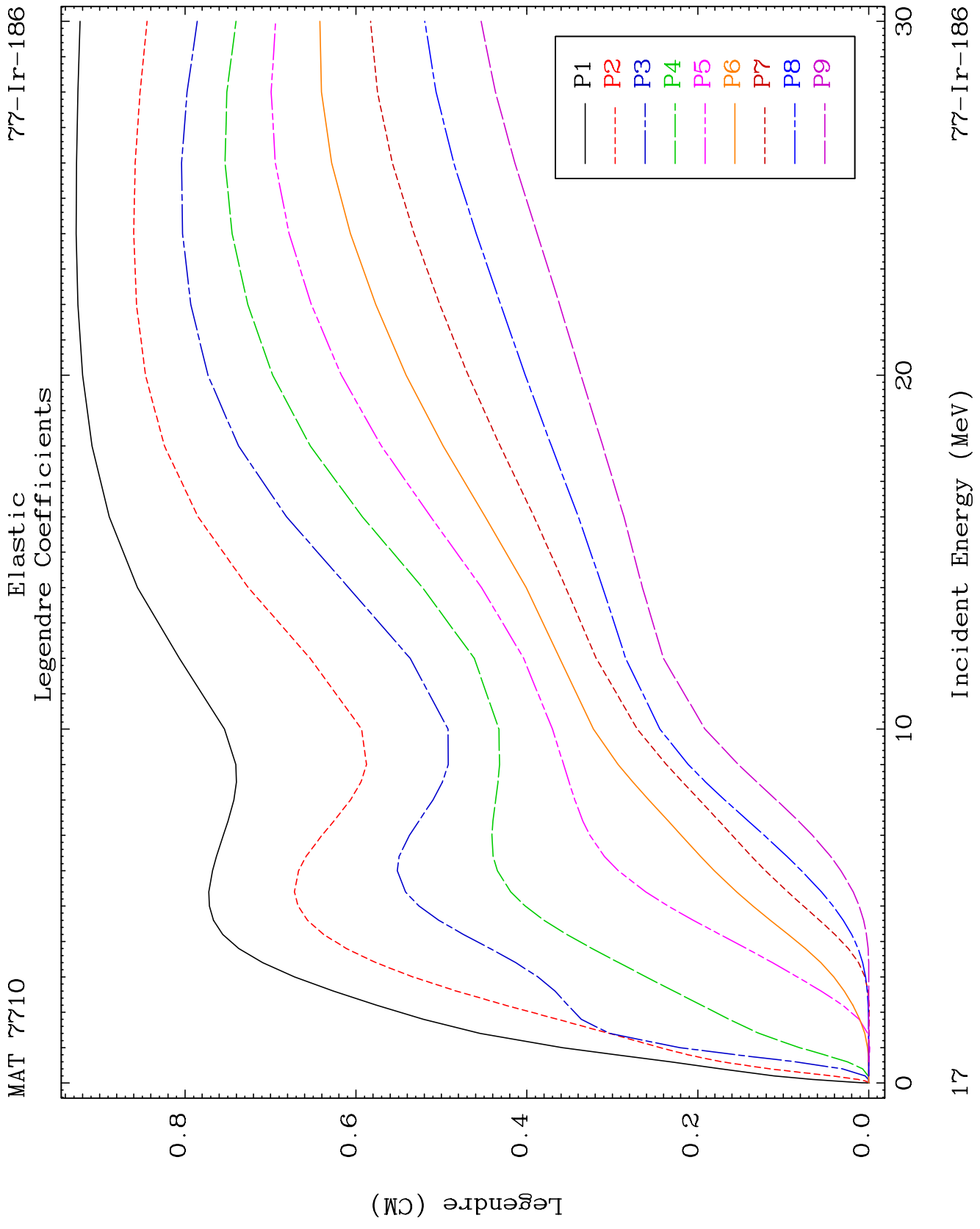
(n,α) Levels  
293 Kelvin Cross Sections

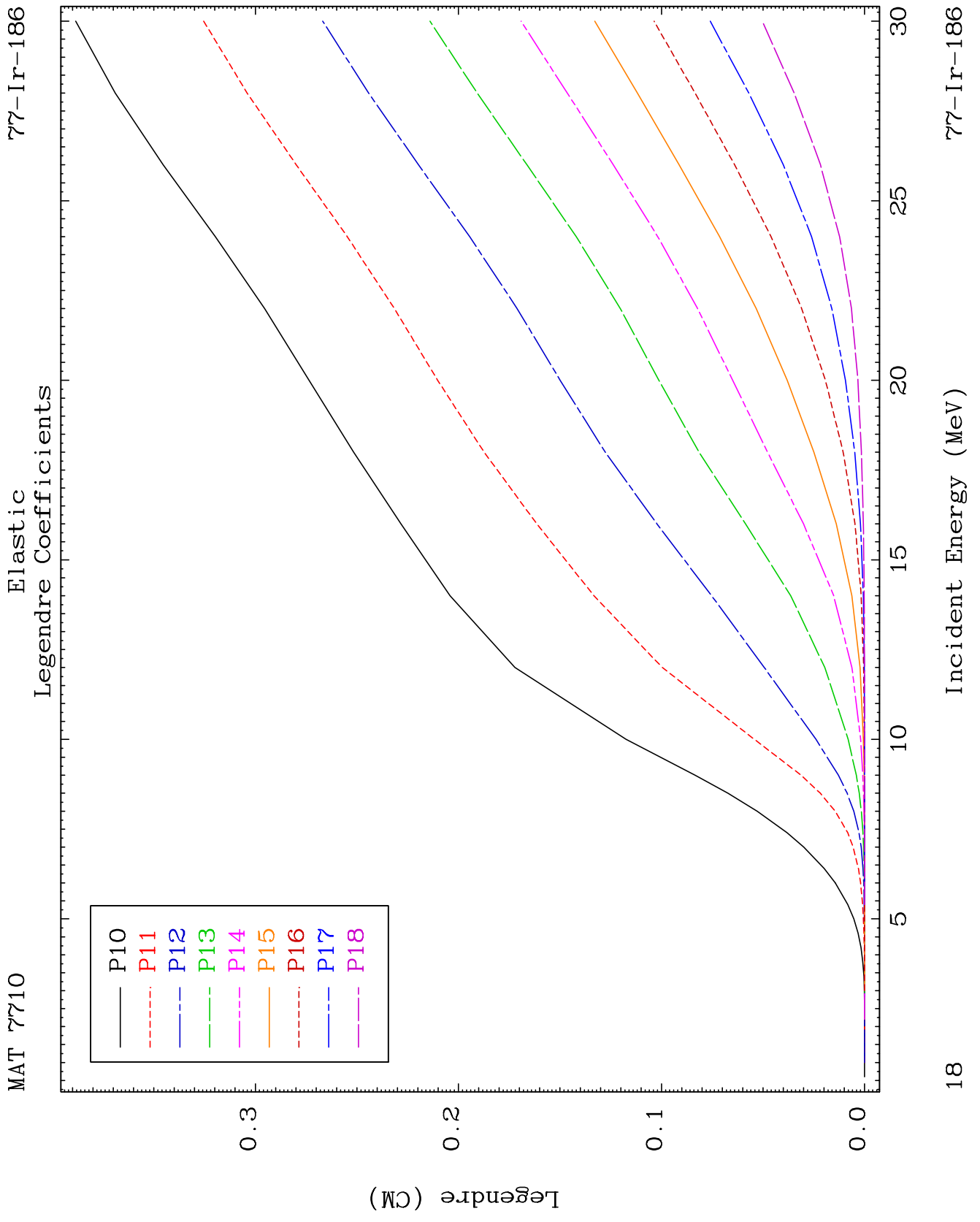
77-Ir-186



16

77-Ir-186

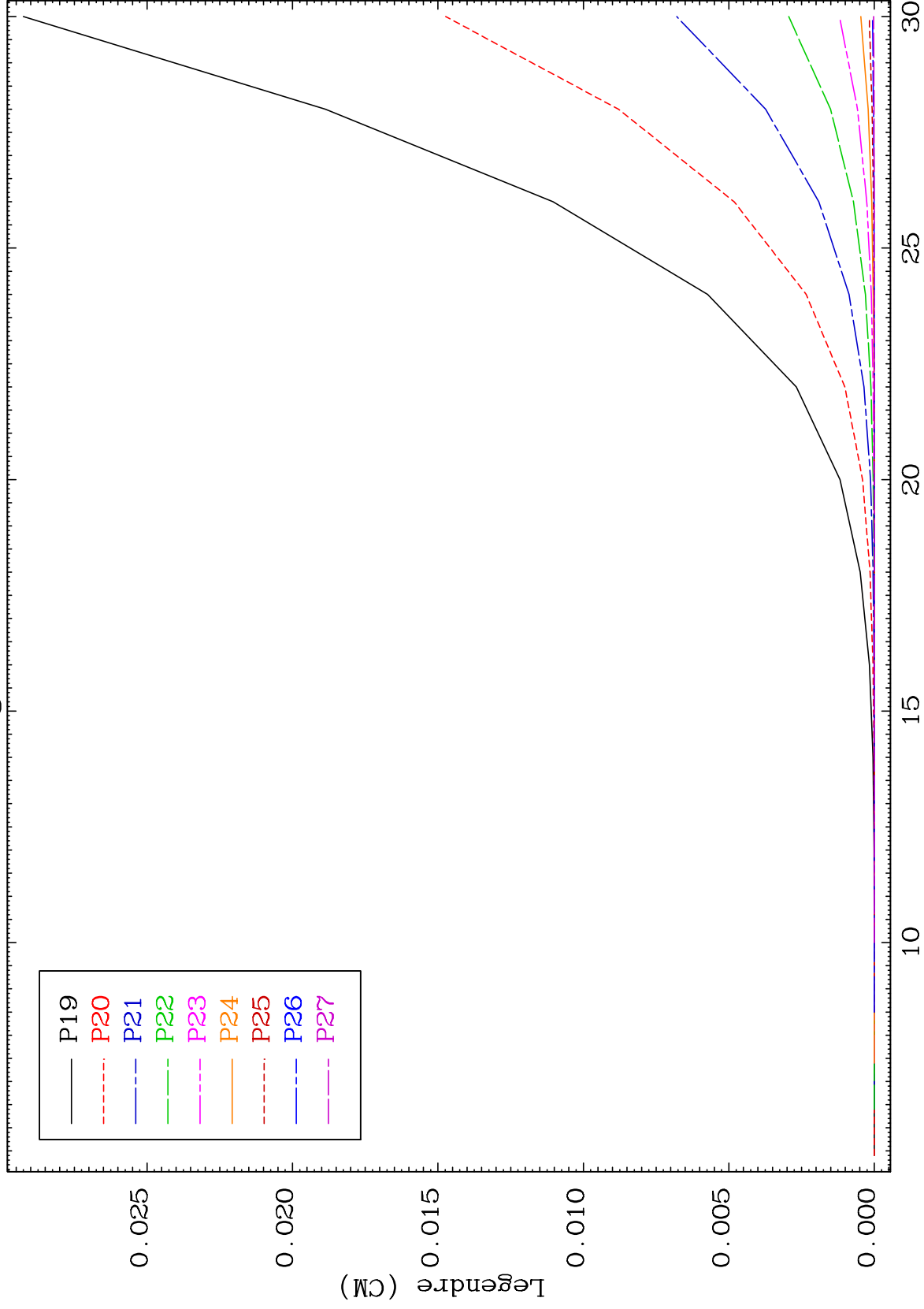




MAT 7710

### Elastic Legendre Coefficients

77-Ir-186

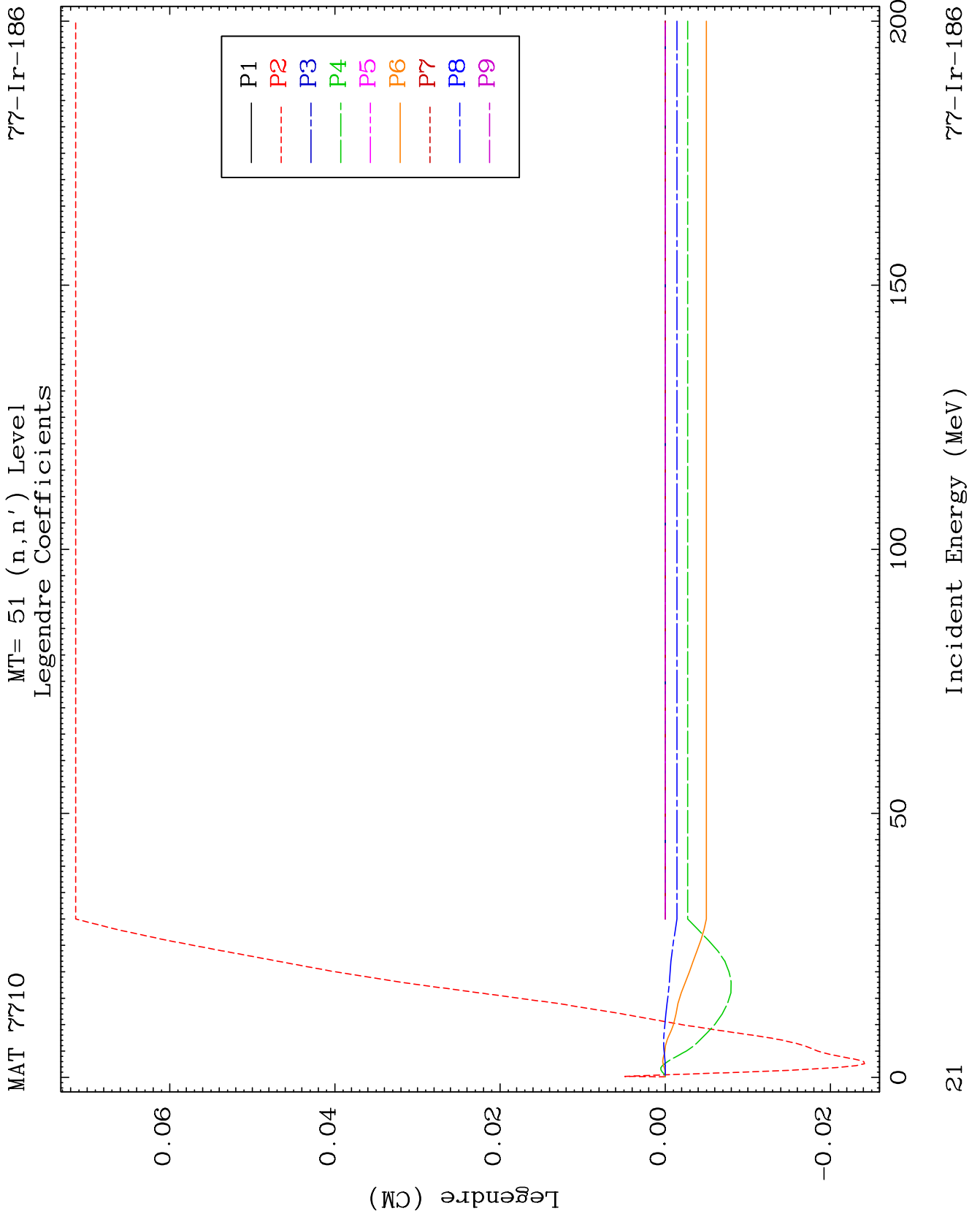


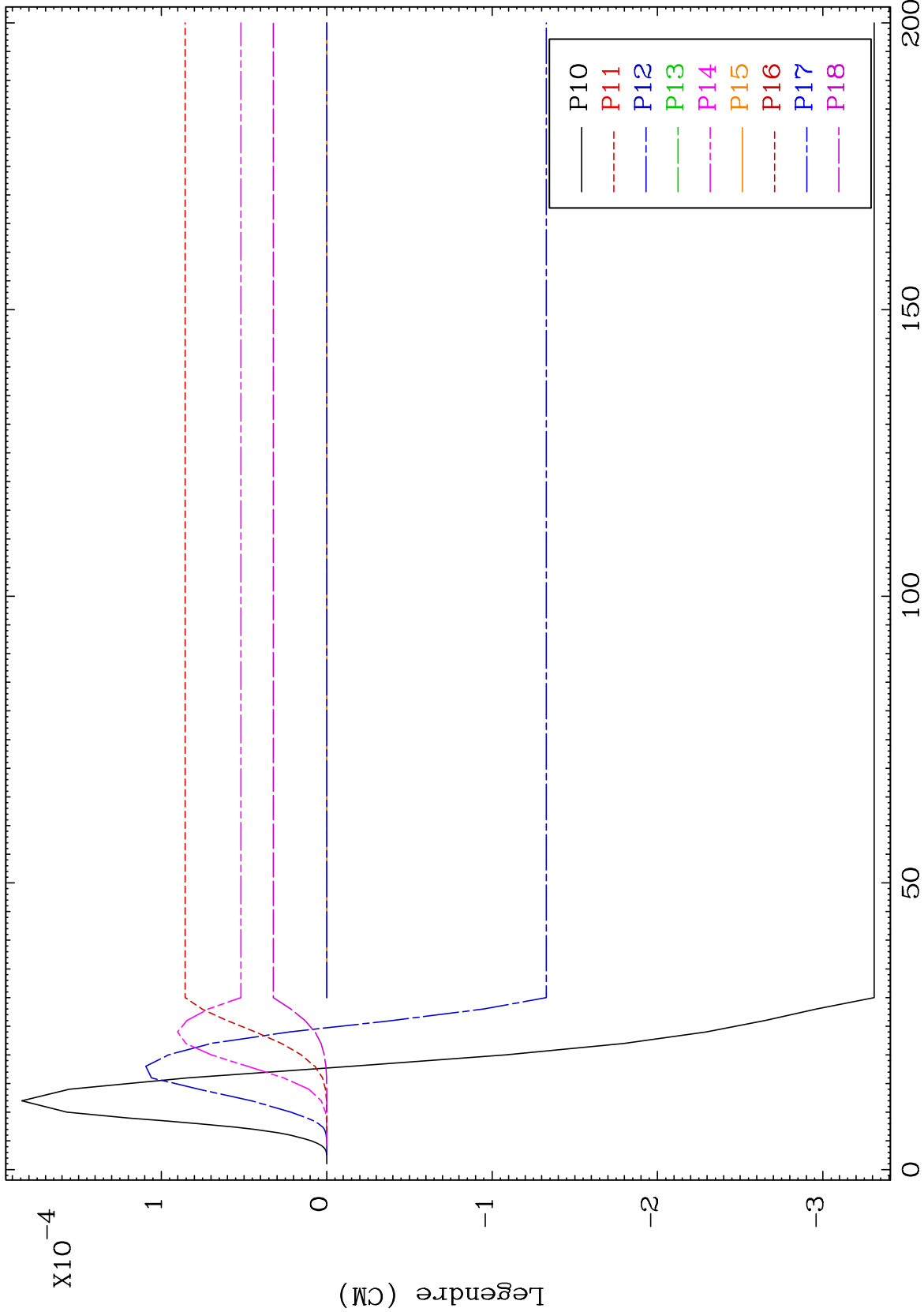
19

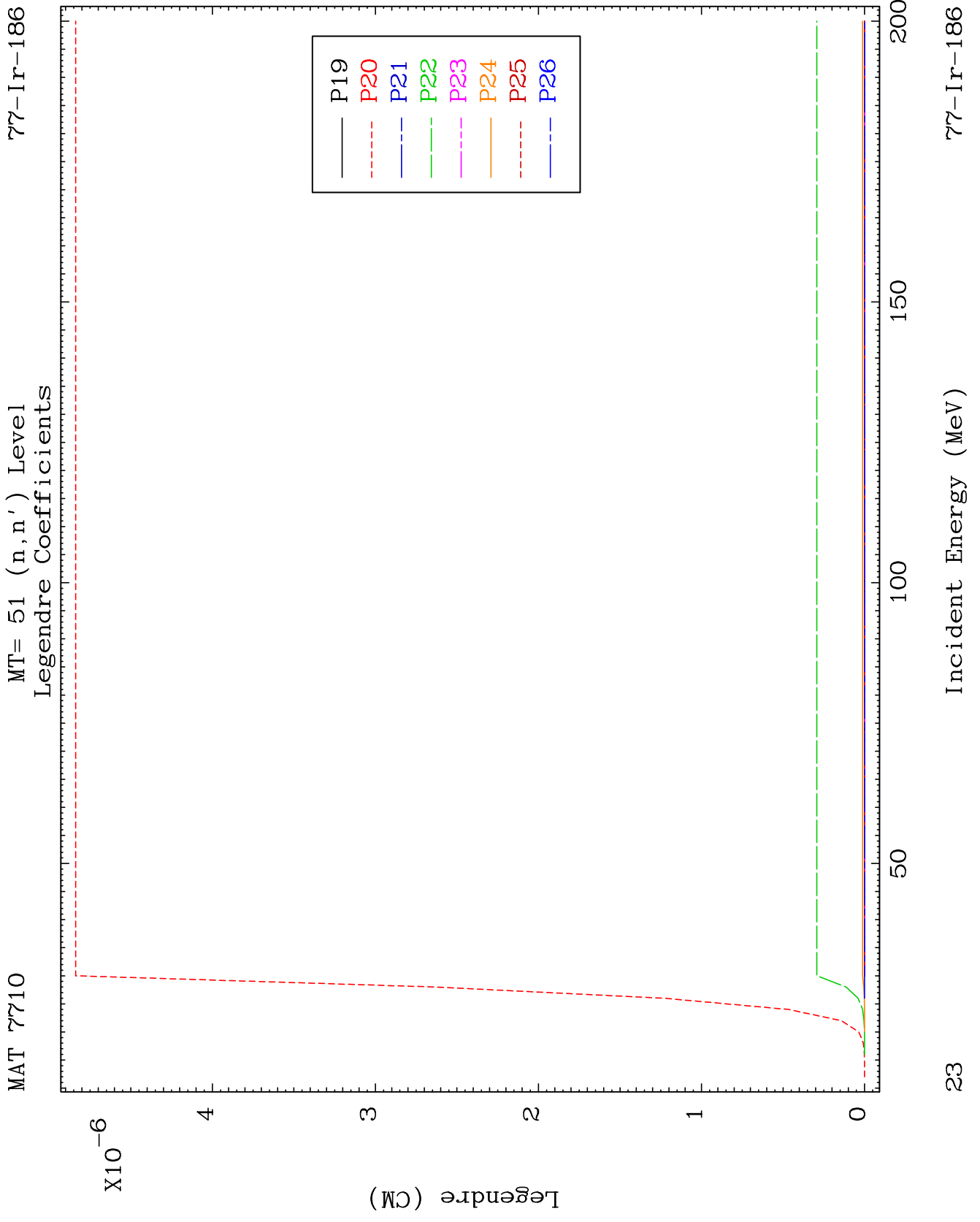
Incident Energy (MeV)

77-Ir-186







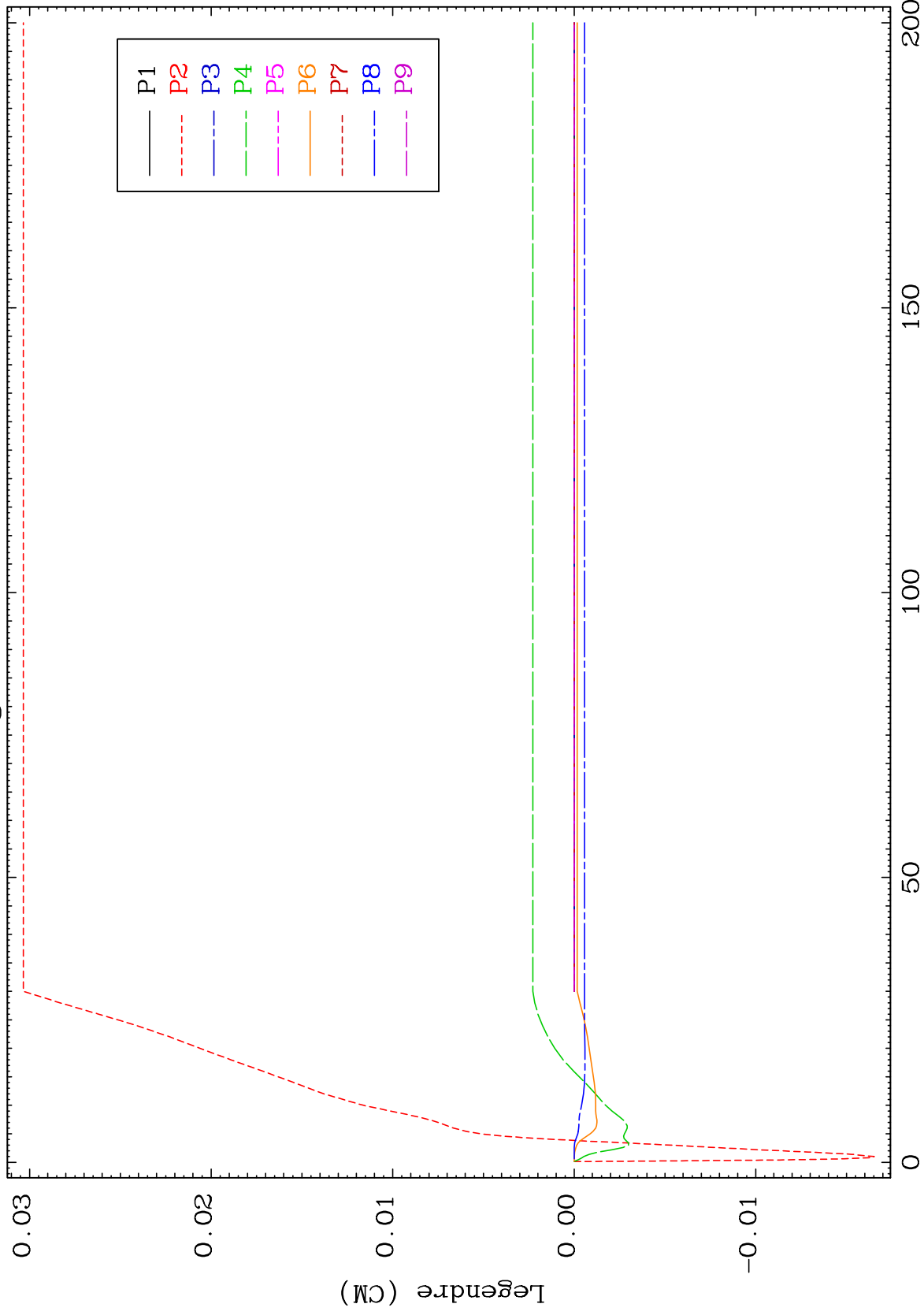




MAT 7710

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

77-Ir-186



24

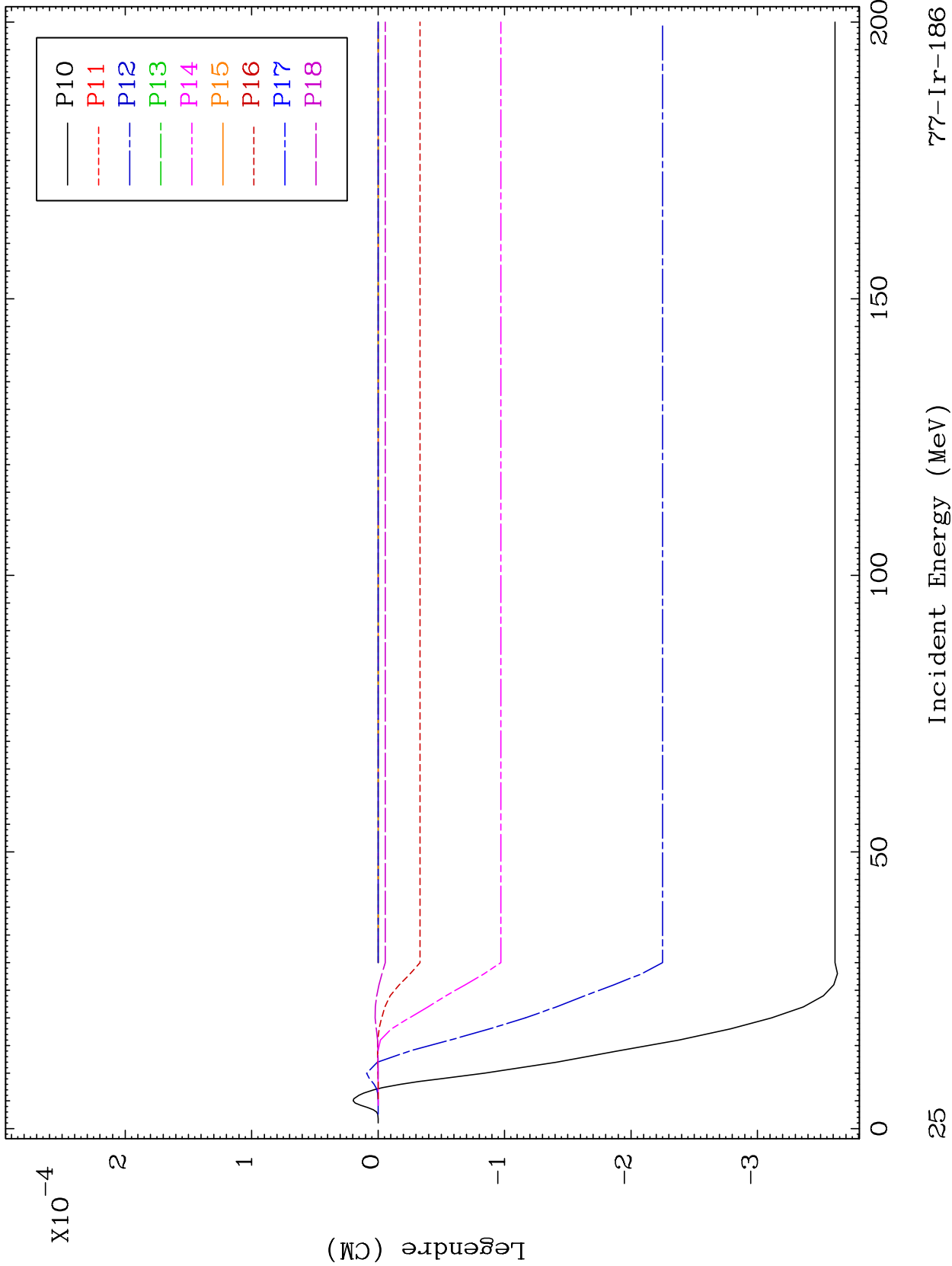
Incident Energy (MeV)

77-Ir-186

MAT 7710

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

77-Ir-186



77-Ir-186

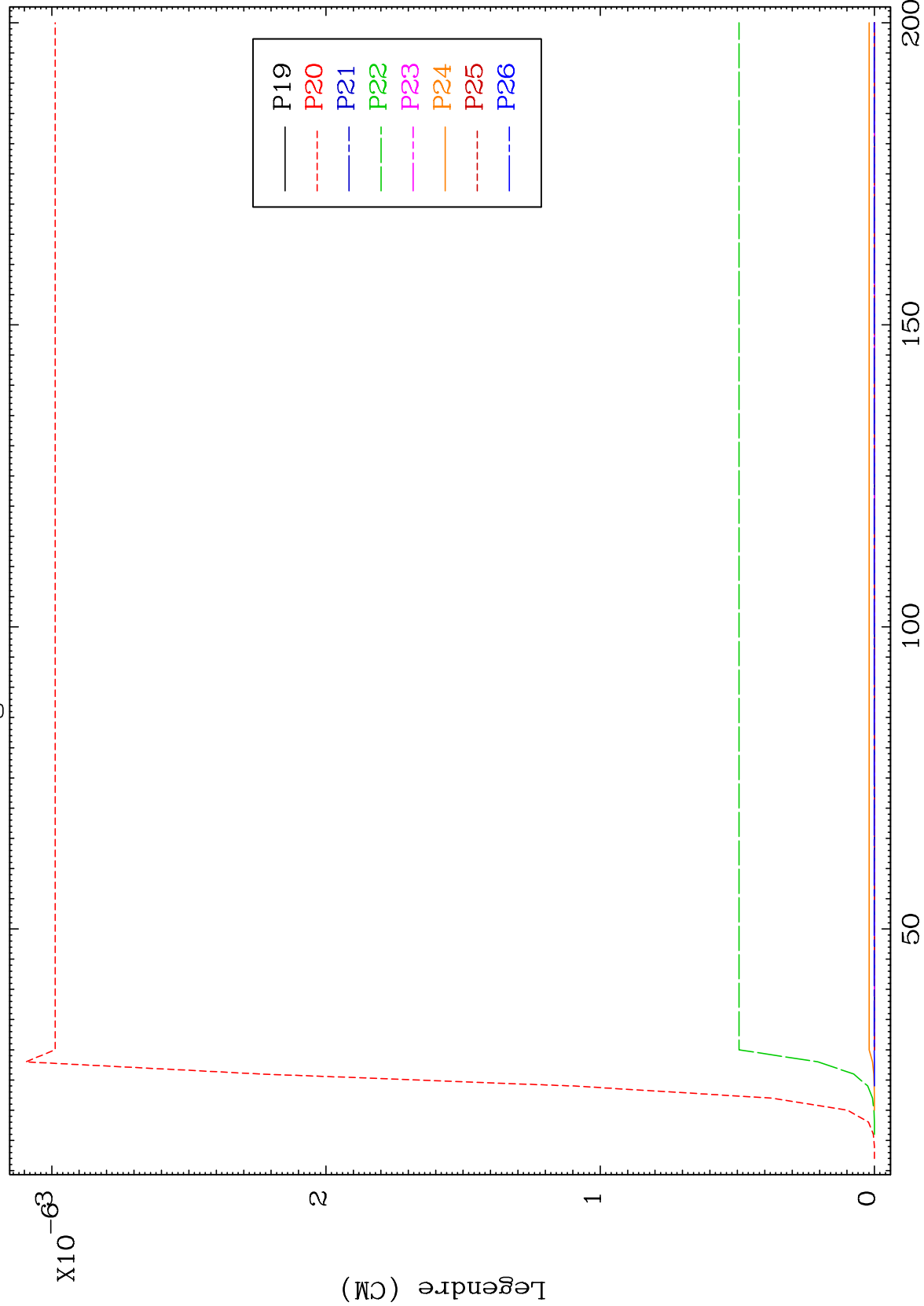
Incident Energy (MeV)

25

MAT 7710

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

77-Ir-186



26

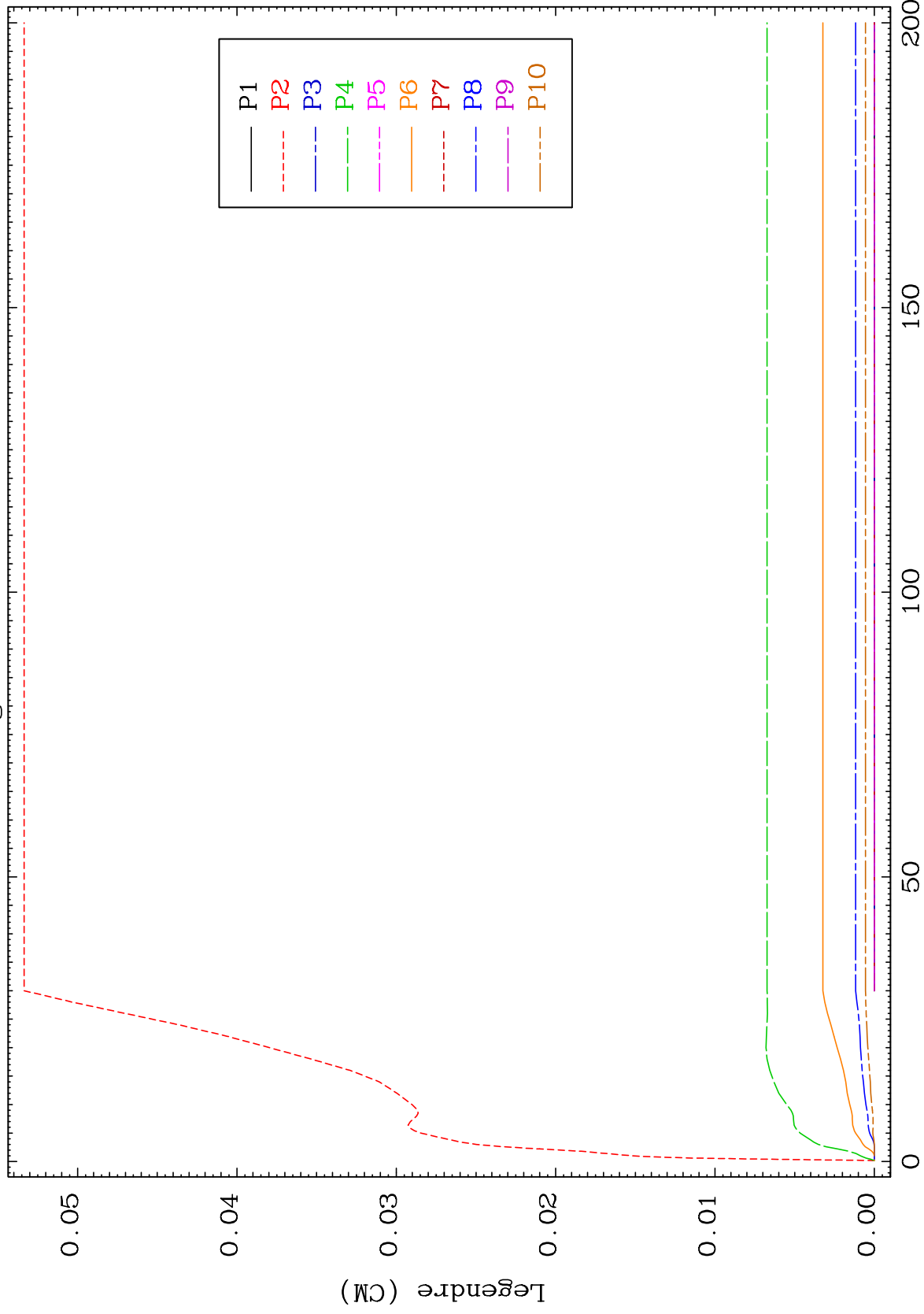
Incident Energy (MeV)

77-Ir-186

MAT 7710

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

77-Ir-186



27

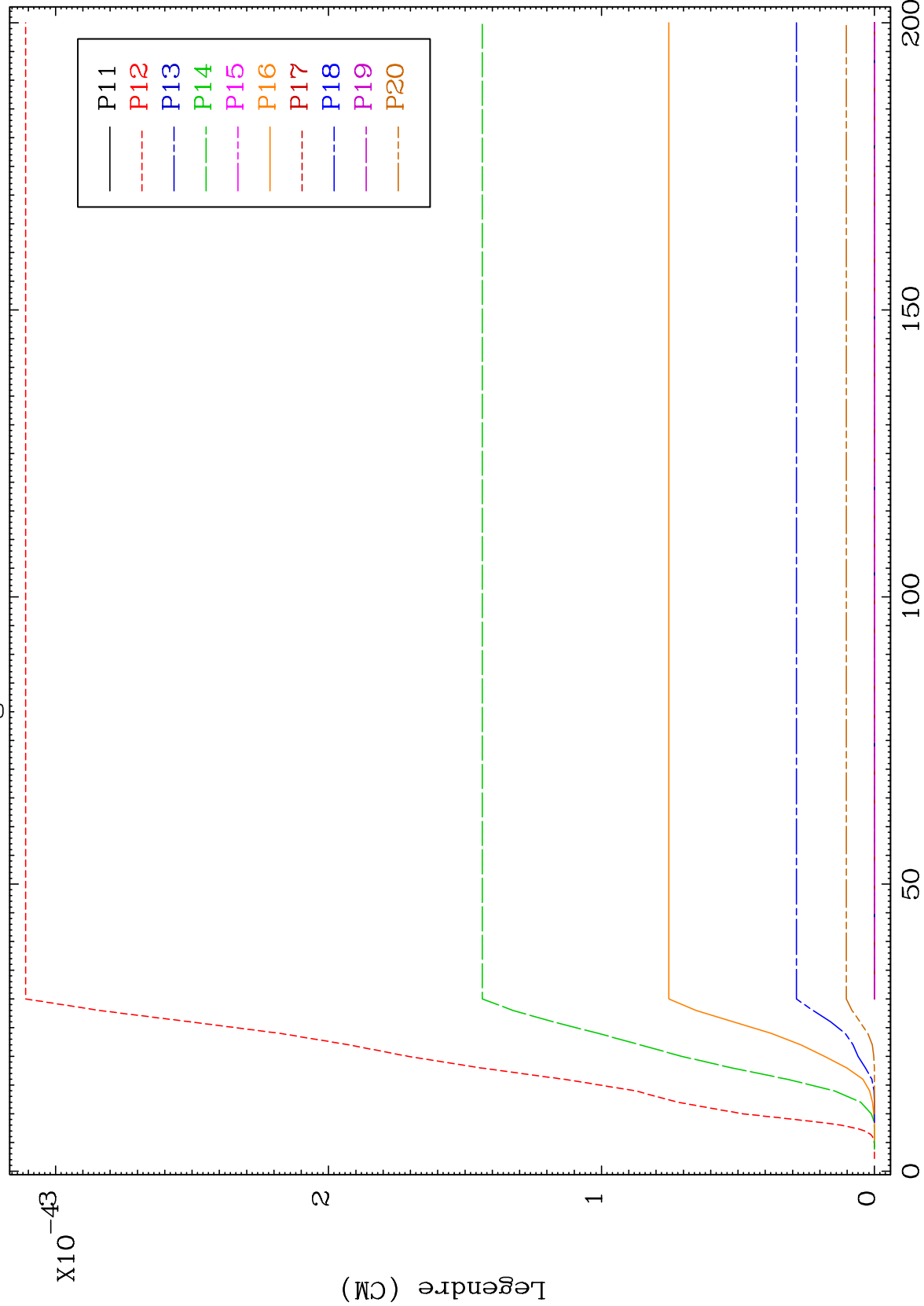
Incident Energy (MeV)

77-Ir-186

MAT 7710

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

77-Ir-186



28

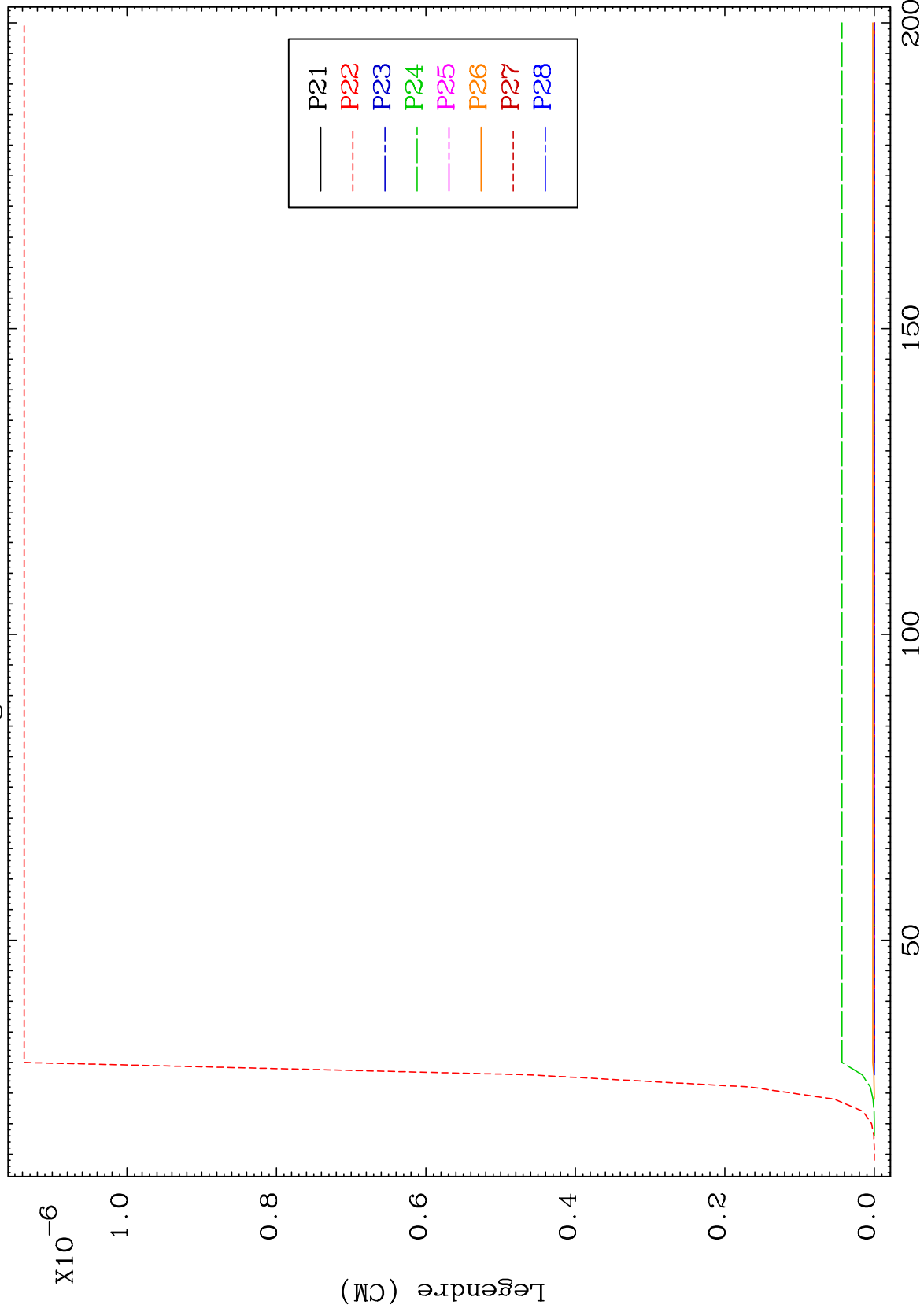
Incident Energy (MeV)

77-Ir-186

MAT 7710

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

77-Ir-186



29

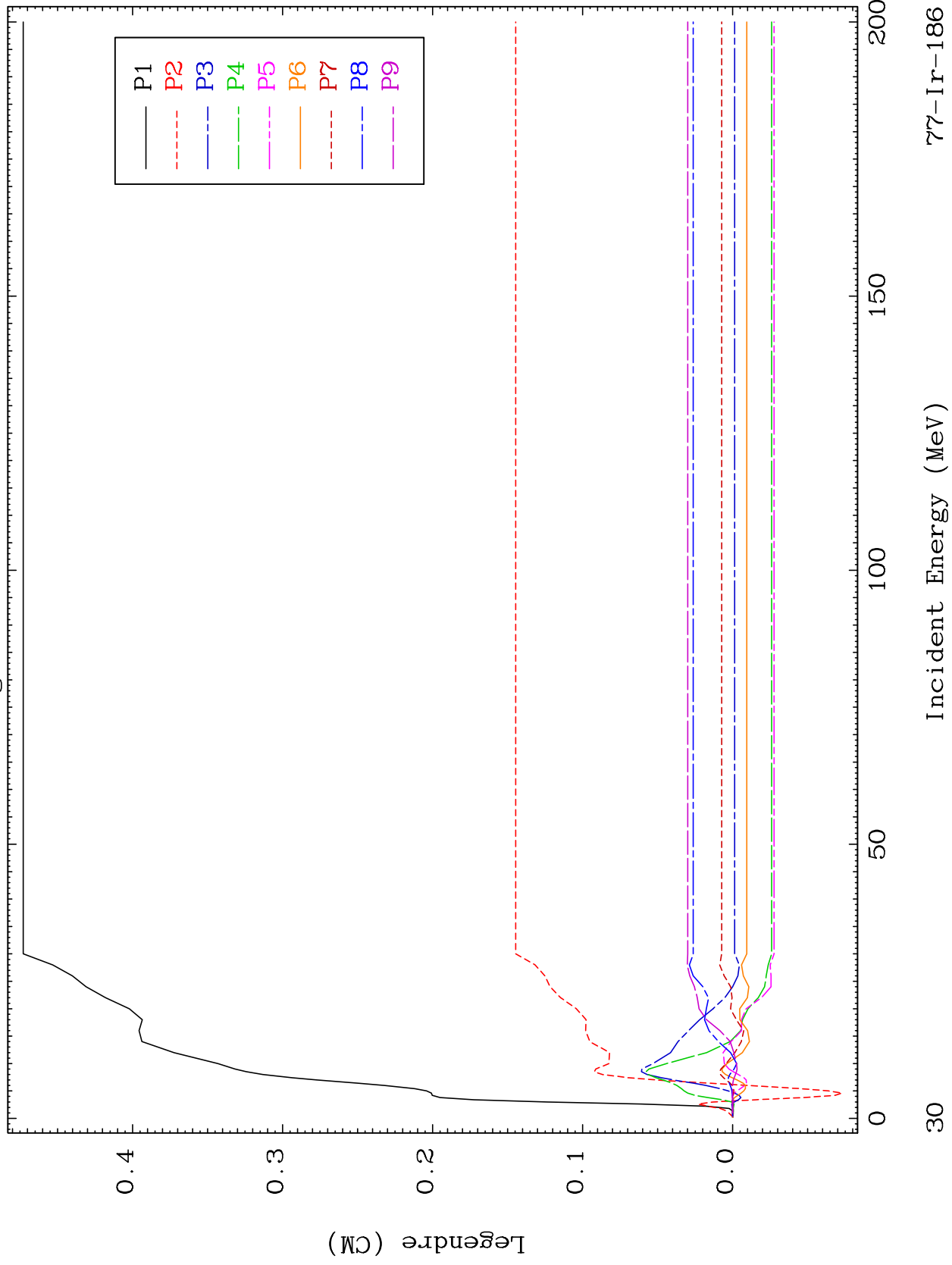
Incident Energy (MeV)

77-Ir-186

MAT 7710

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

77-Ir-186



77-Ir-186

Incident Energy (MeV)

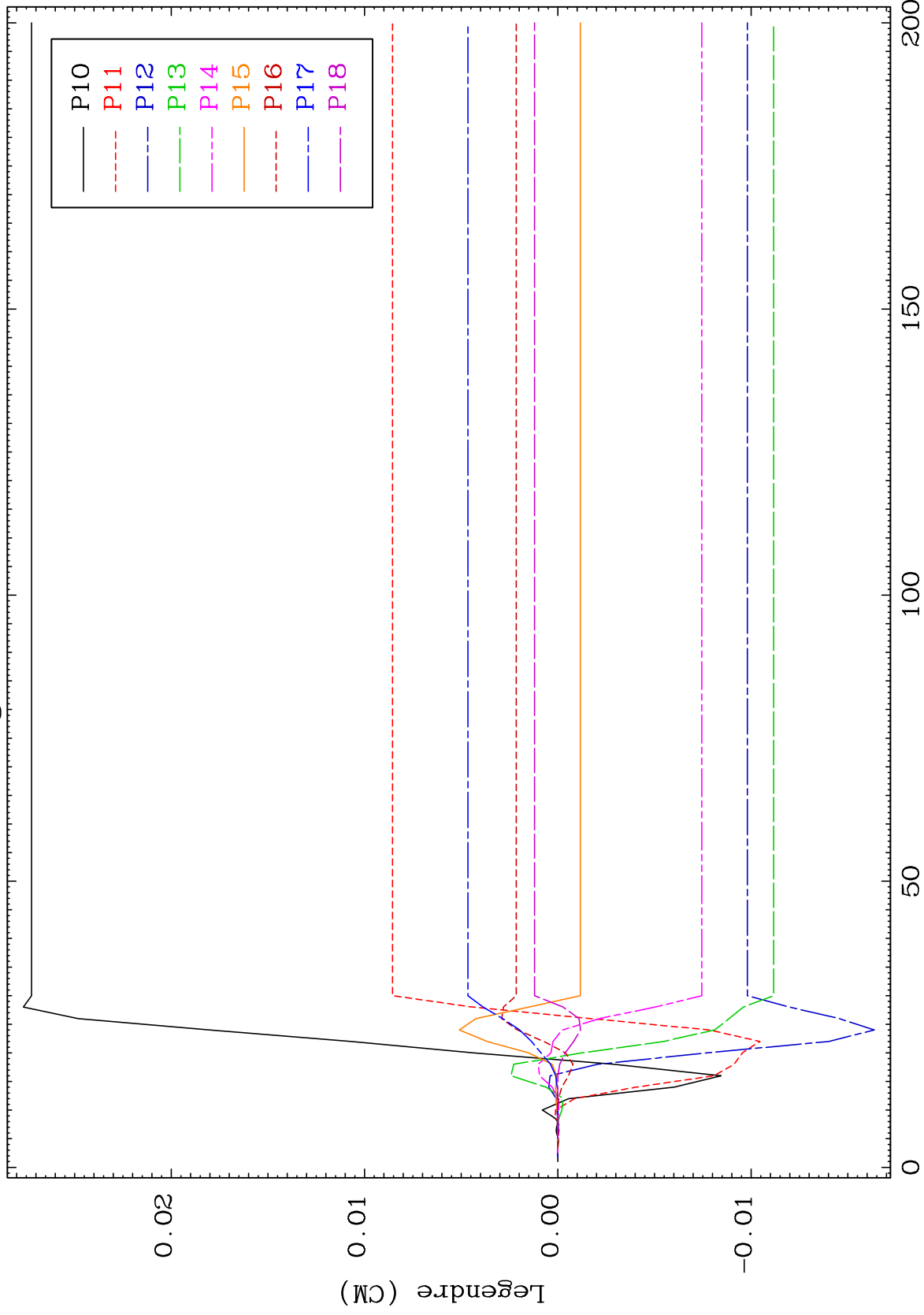
30

MAT 7710

MT= 54 (n,n') Level

77-Ir-186

Legendre Coefficients

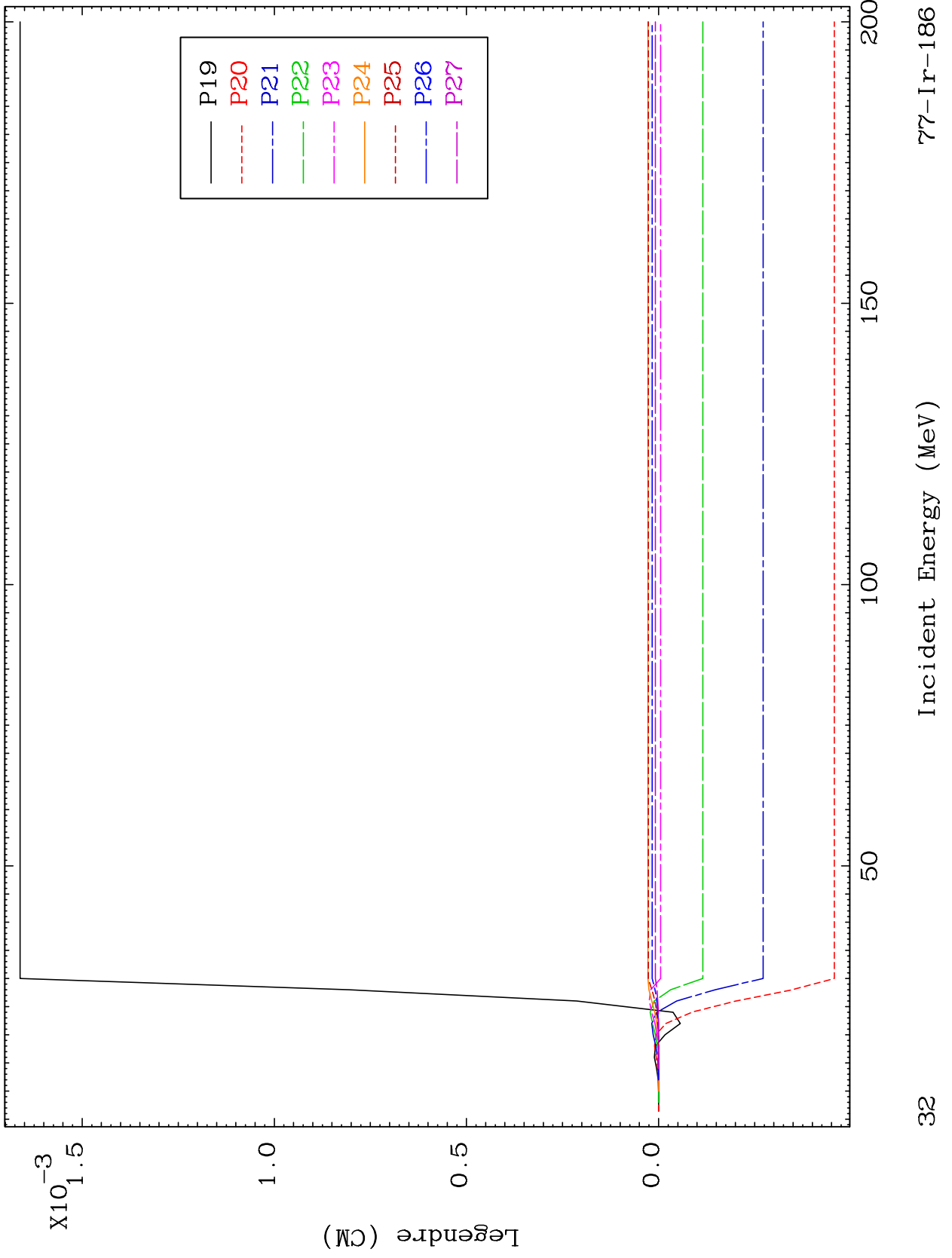


31

Incident Energy (MeV)

77-Ir-186

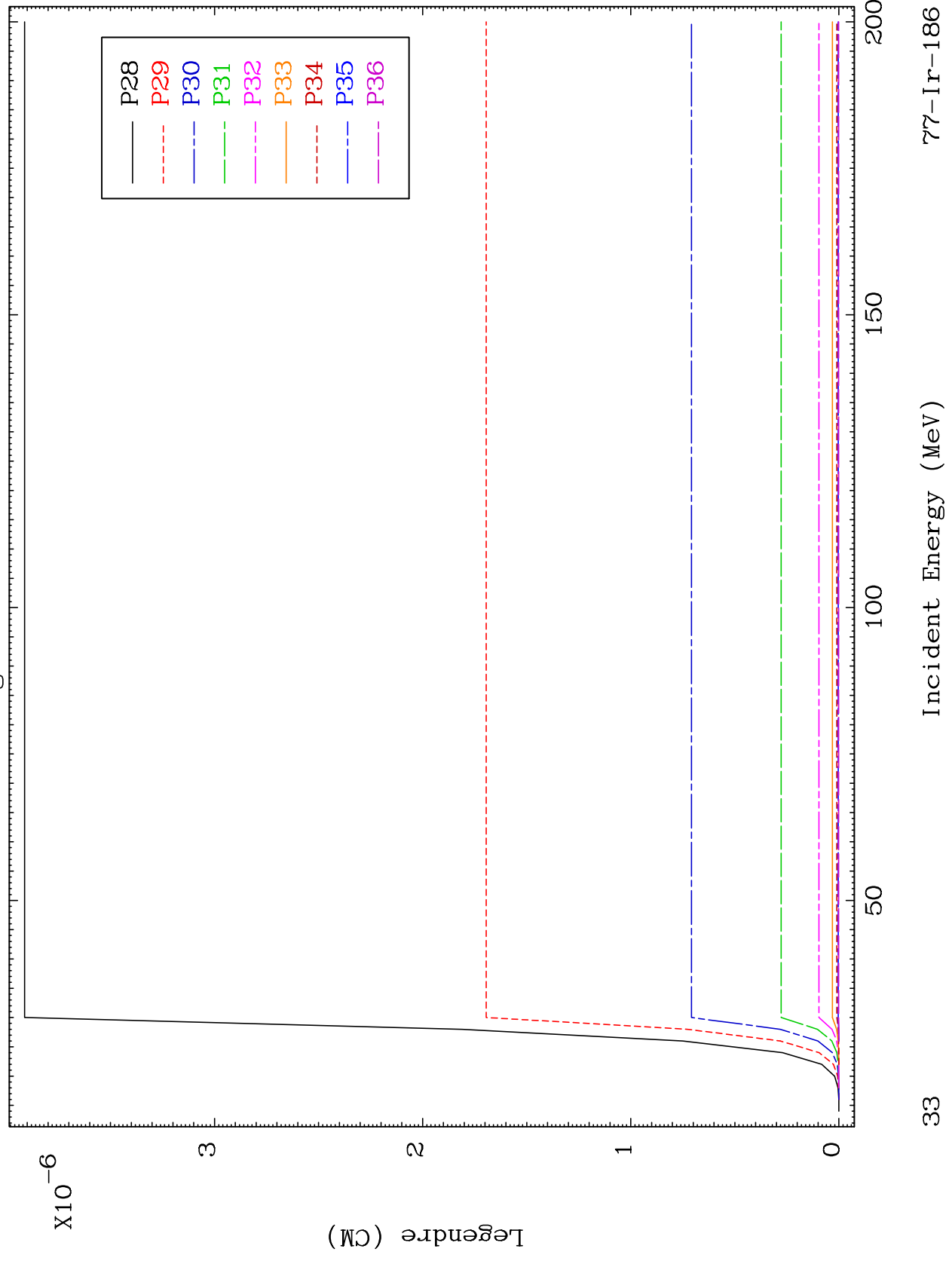




MAT 7710

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

77-Ir-186



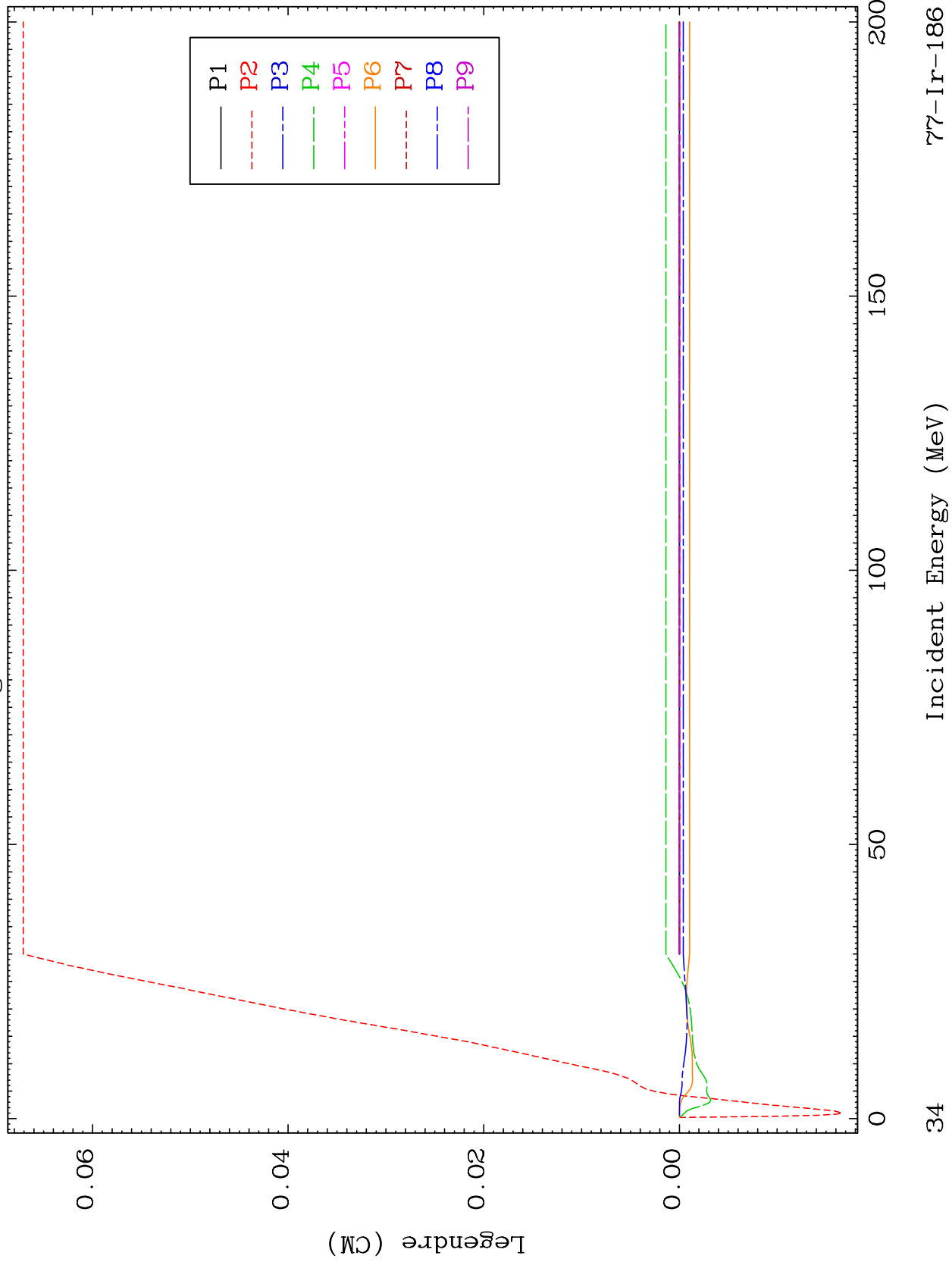
33

77-Ir-186

MAT 7710

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

77-Ir-186



77-Ir-186

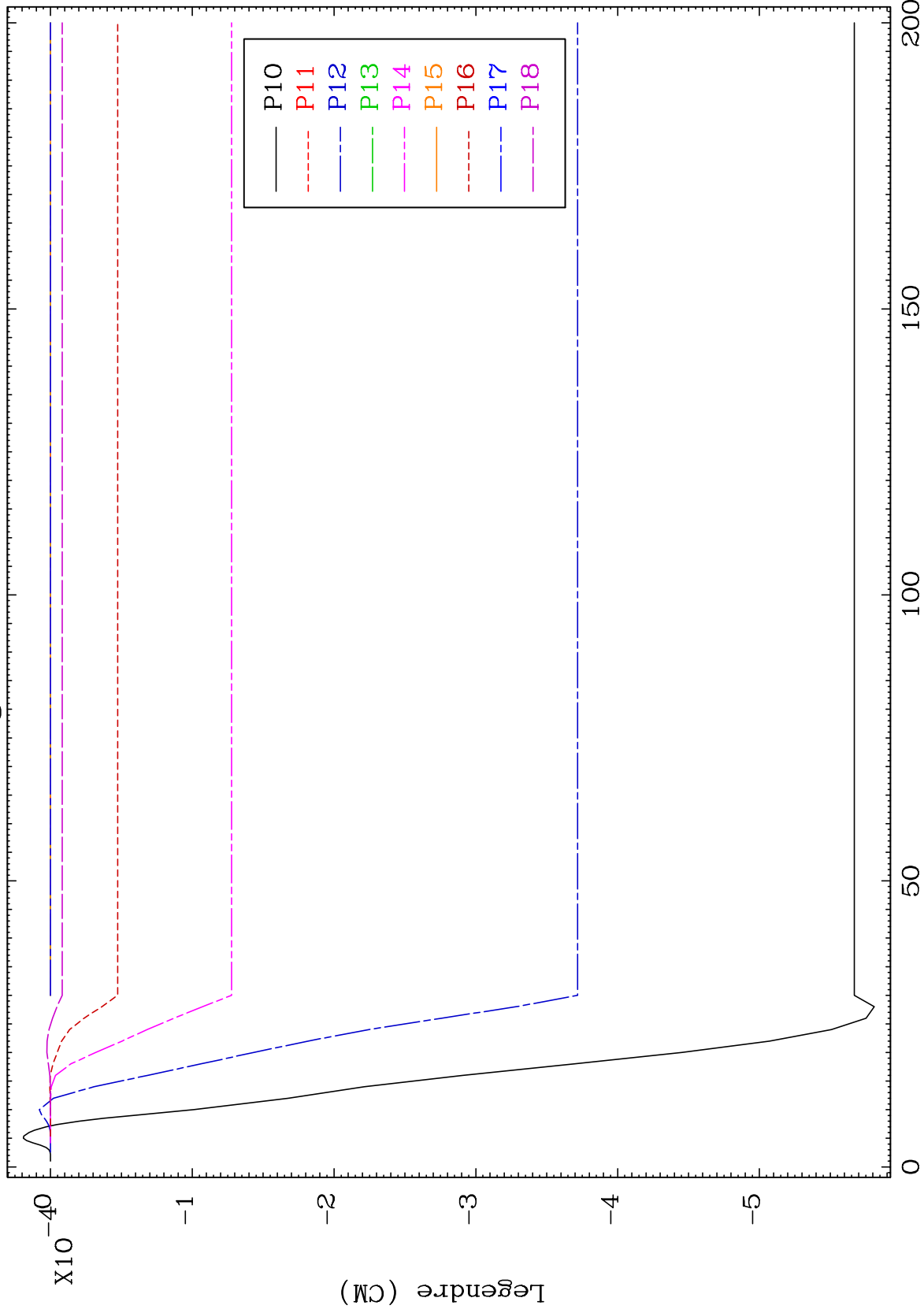
Incident Energy (MeV)

34

MAT 7710

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

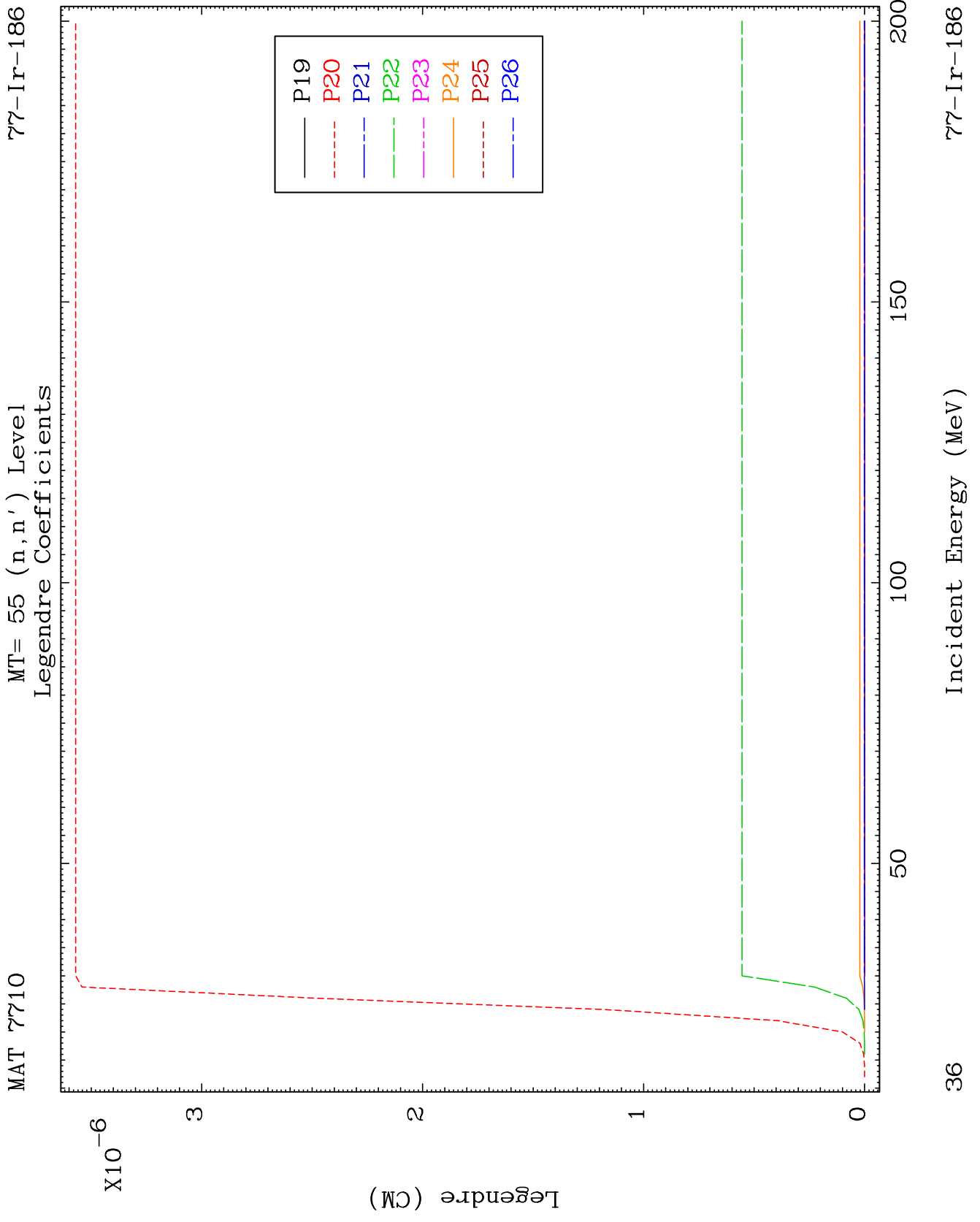
77-Ir-186



35

Incident Energy (MeV)

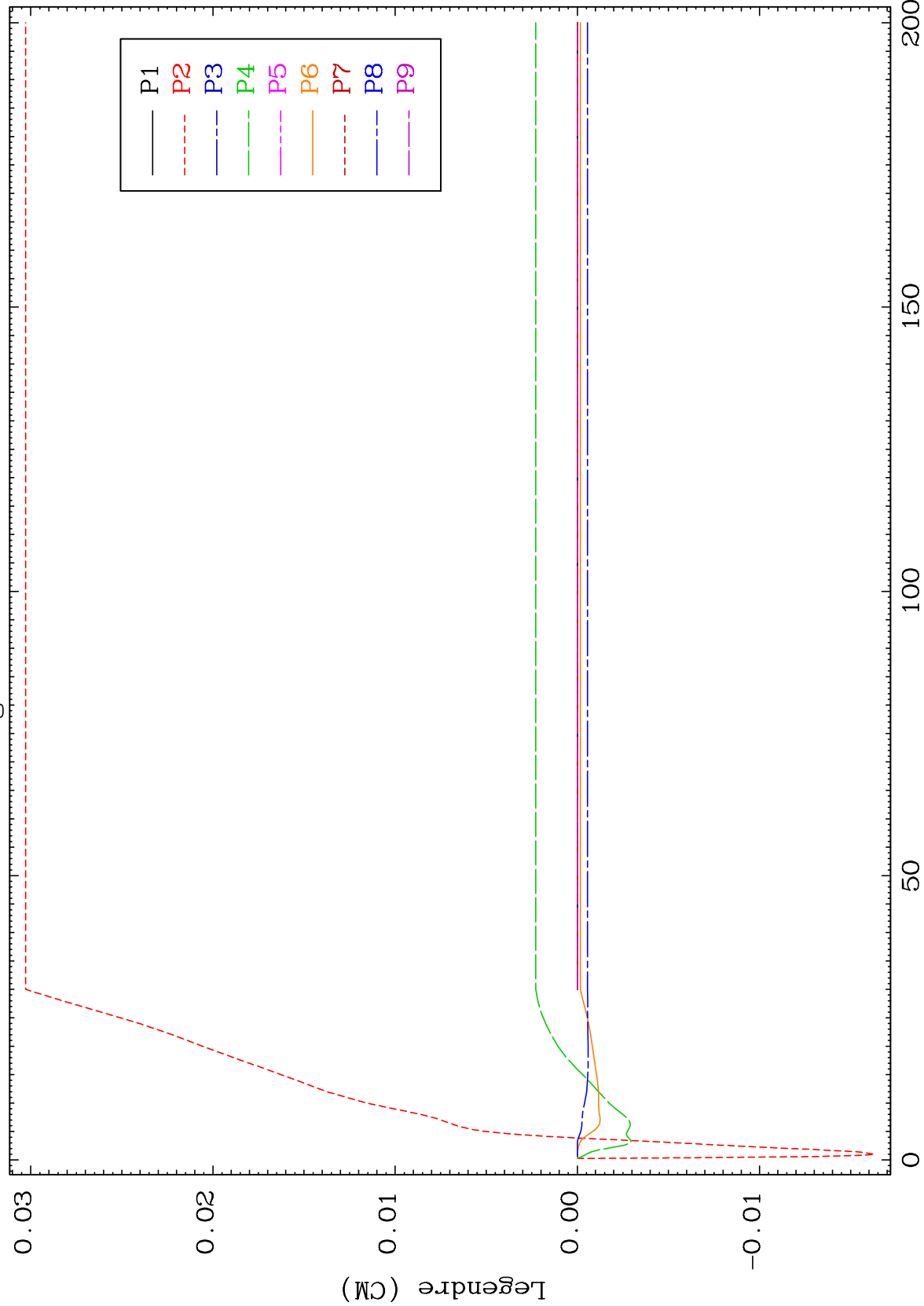
77-Ir-186



MAT 7710

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

77-Ir-186



37

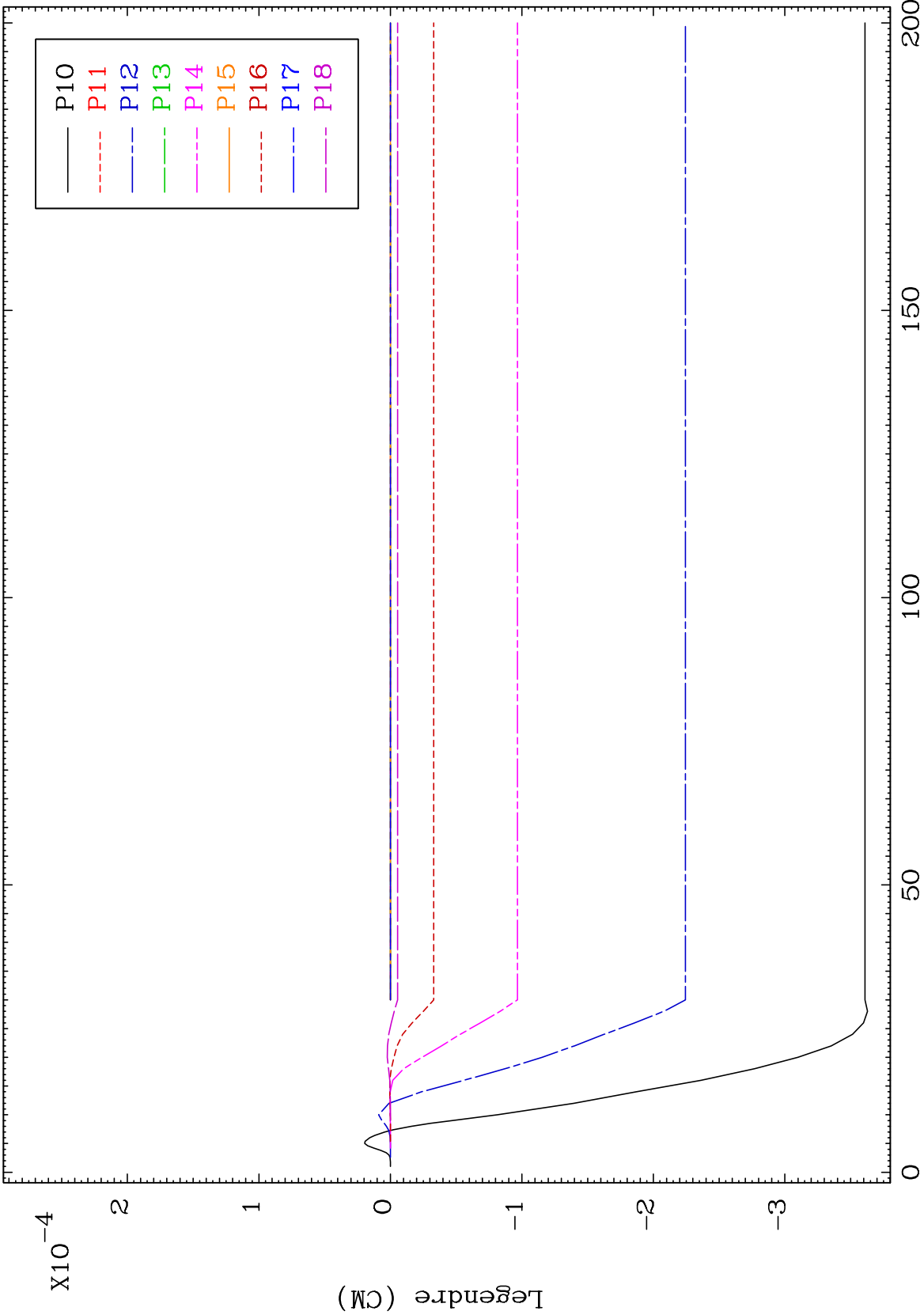
Incident Energy (MeV)

77-Ir-186

MAT 7710

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

77-Ir-186



38

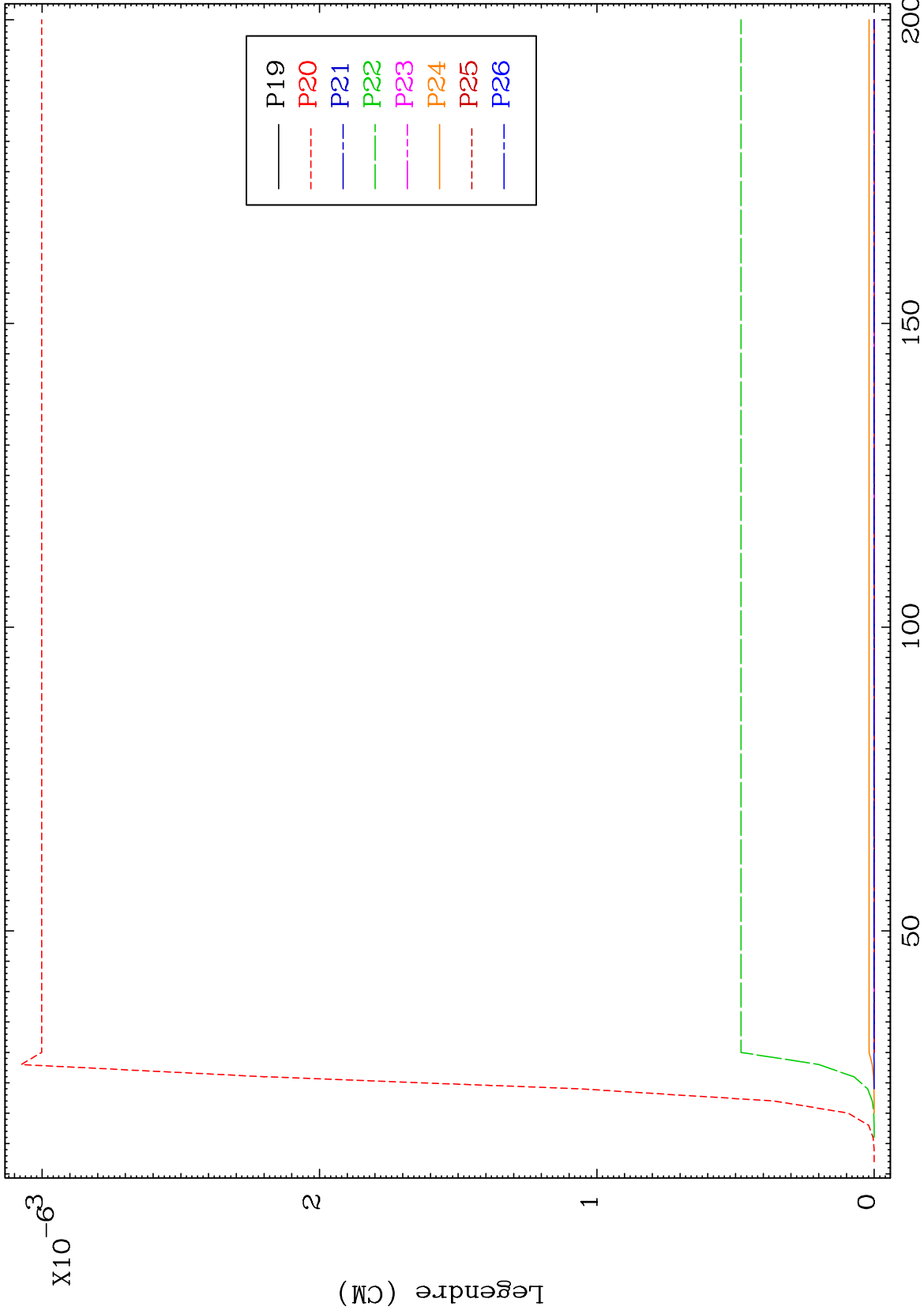
Incident Energy (MeV)

77-Ir-186

MAT 7710

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

77-Ir-186



39

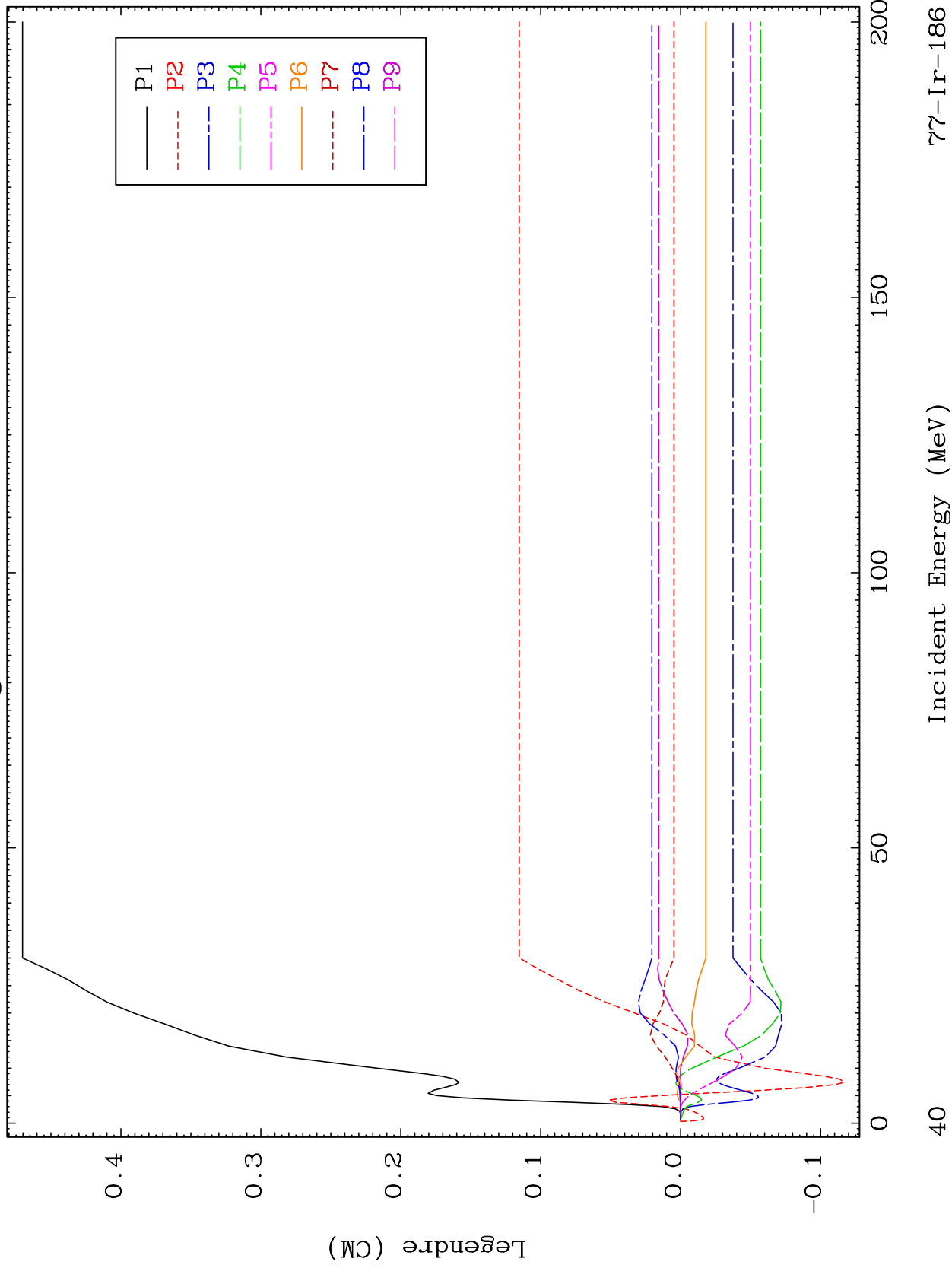
77-Ir-186



MAT 7710

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

77-Ir-186



77-Ir-186

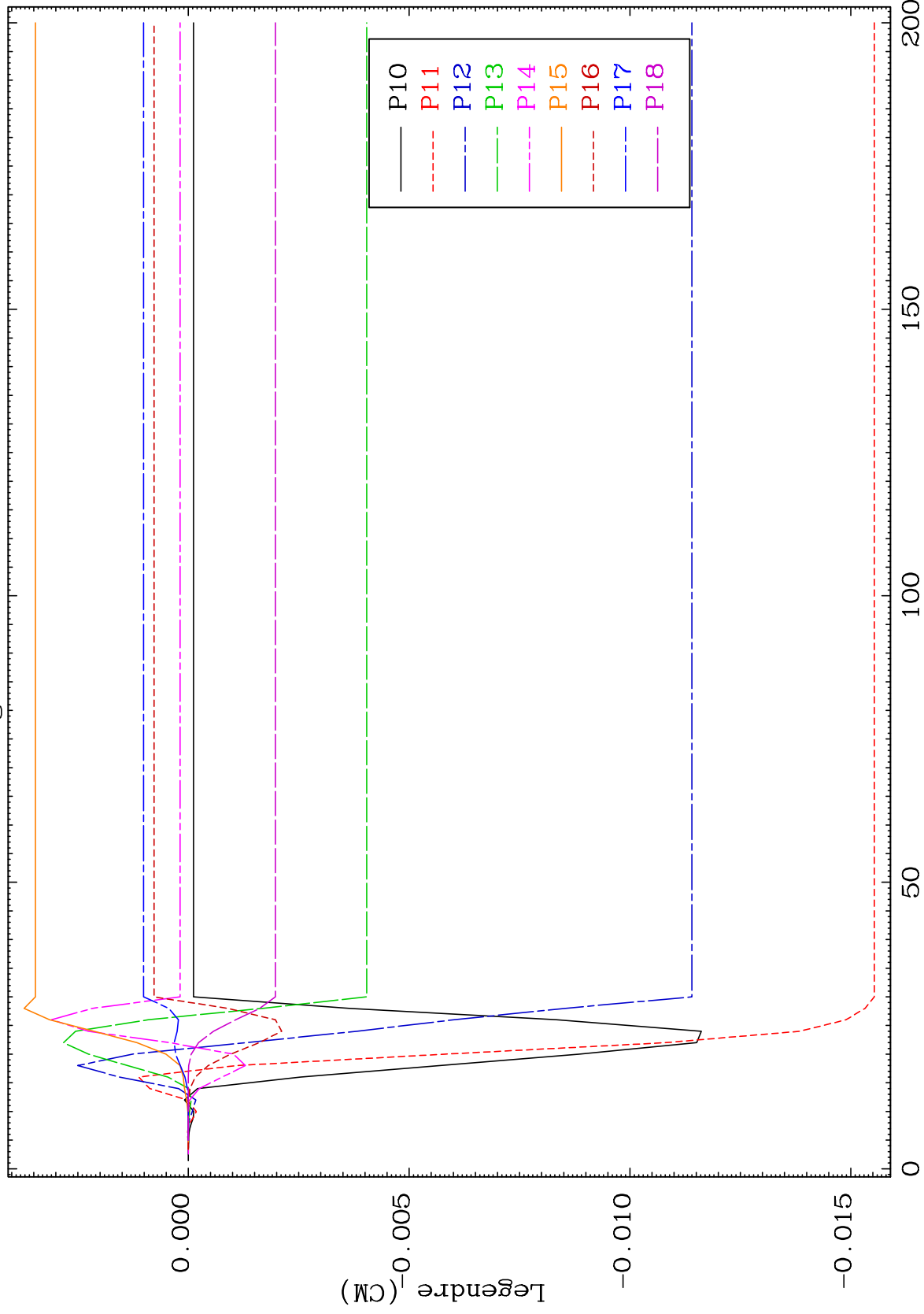
Incident Energy (MeV)

40

MAT 7710

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

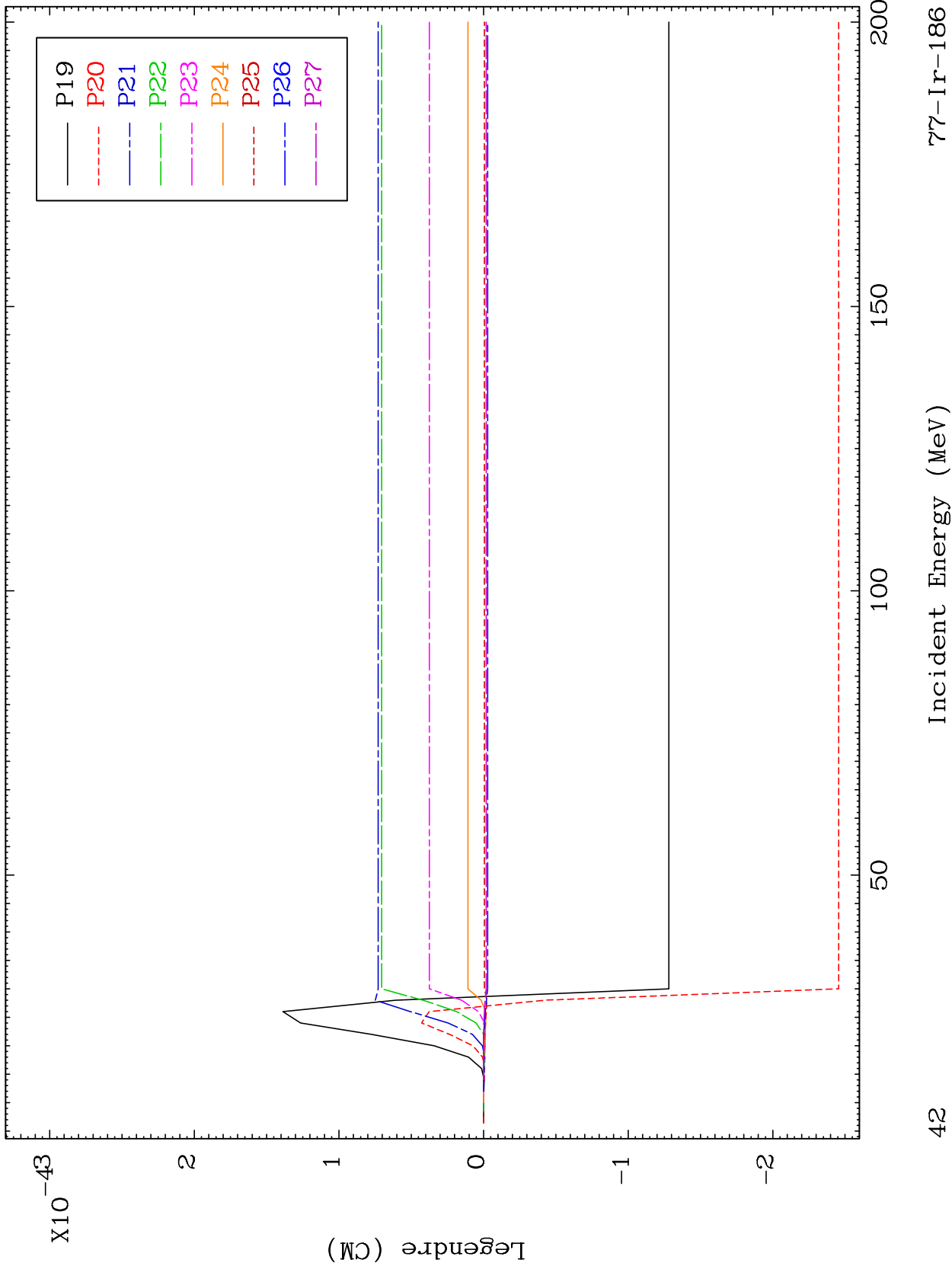
77-Ir-186

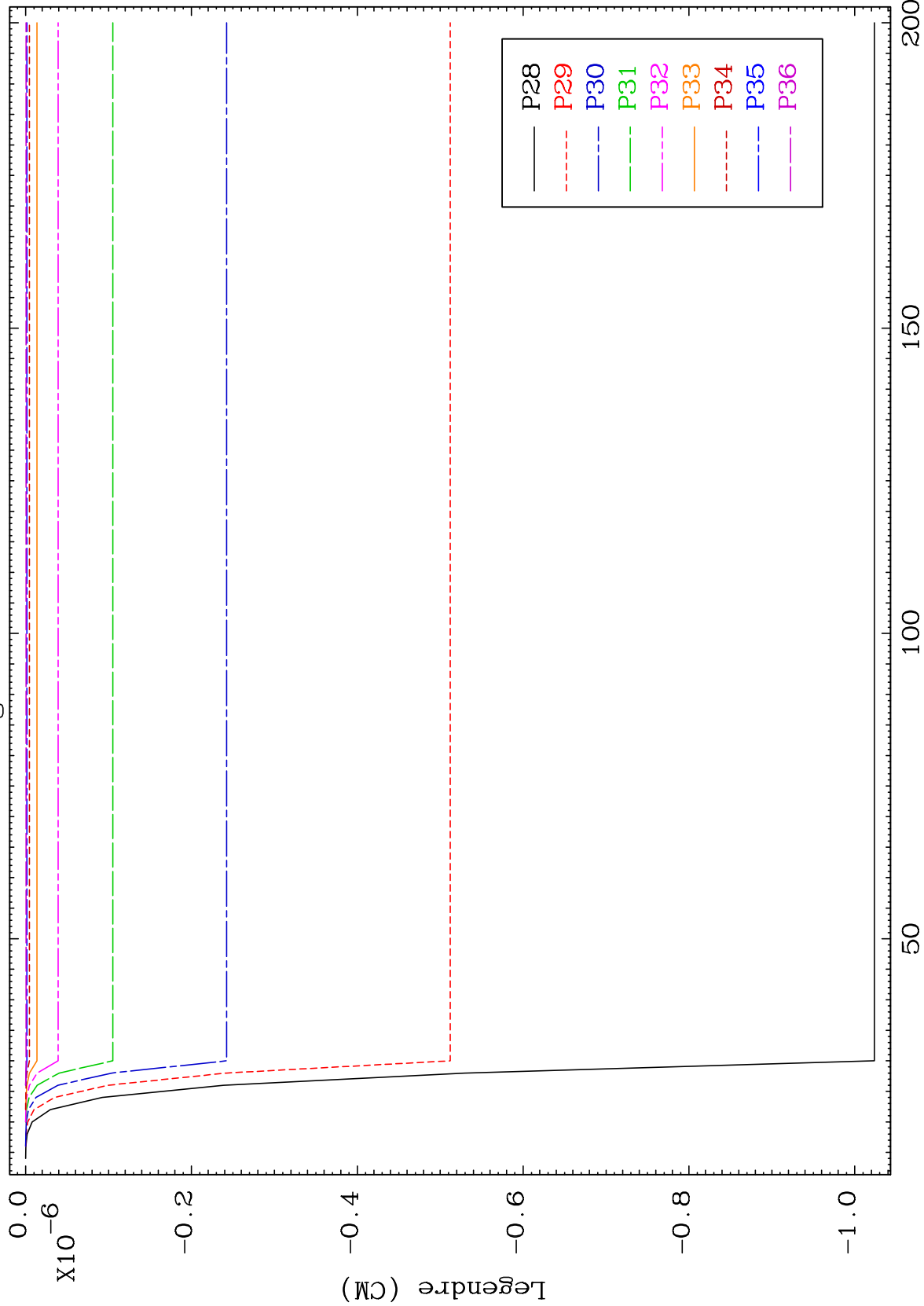


41

Incident Energy (MeV)

77-Ir-186

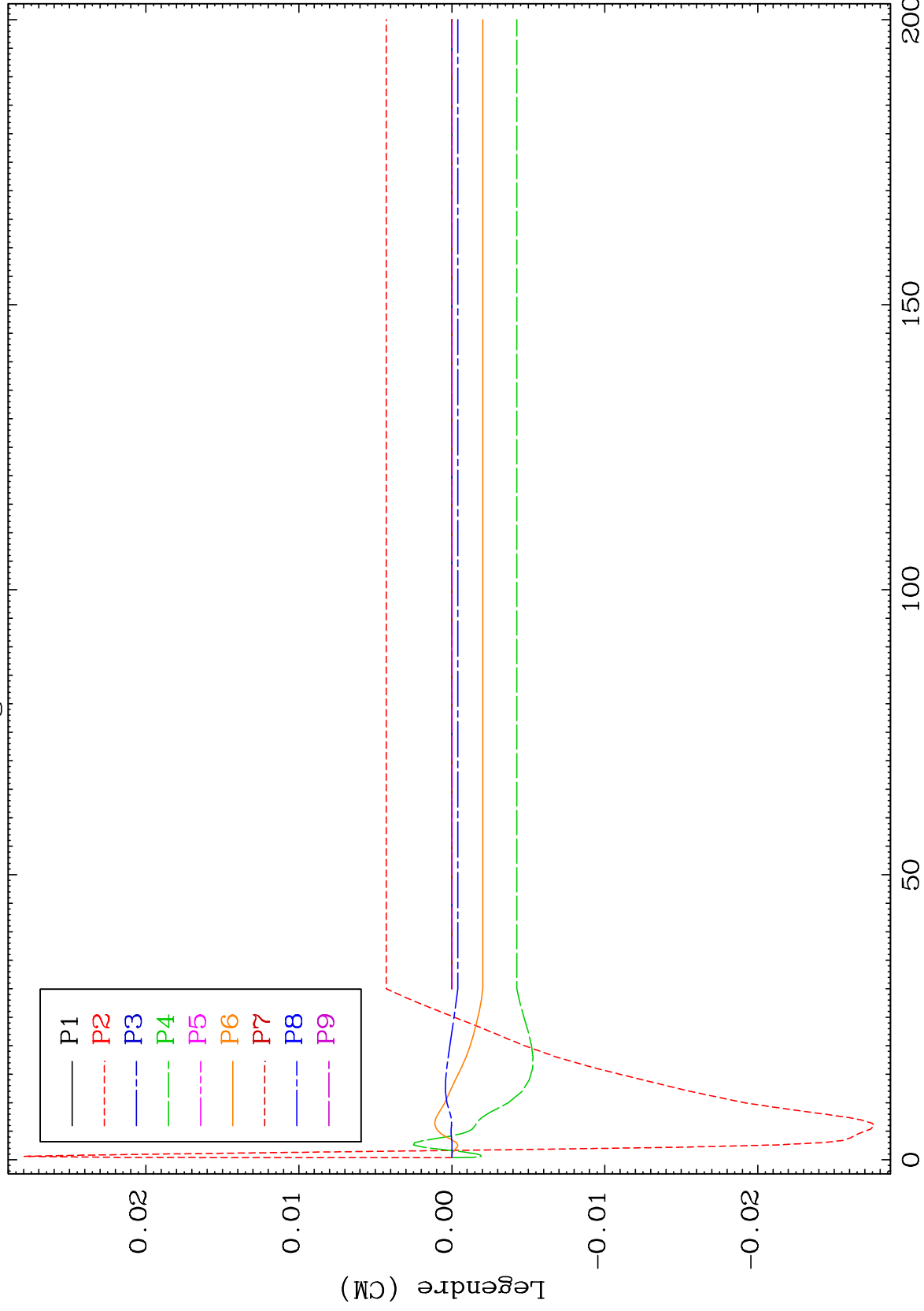




MAT 7710

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

77-Ir-186



44

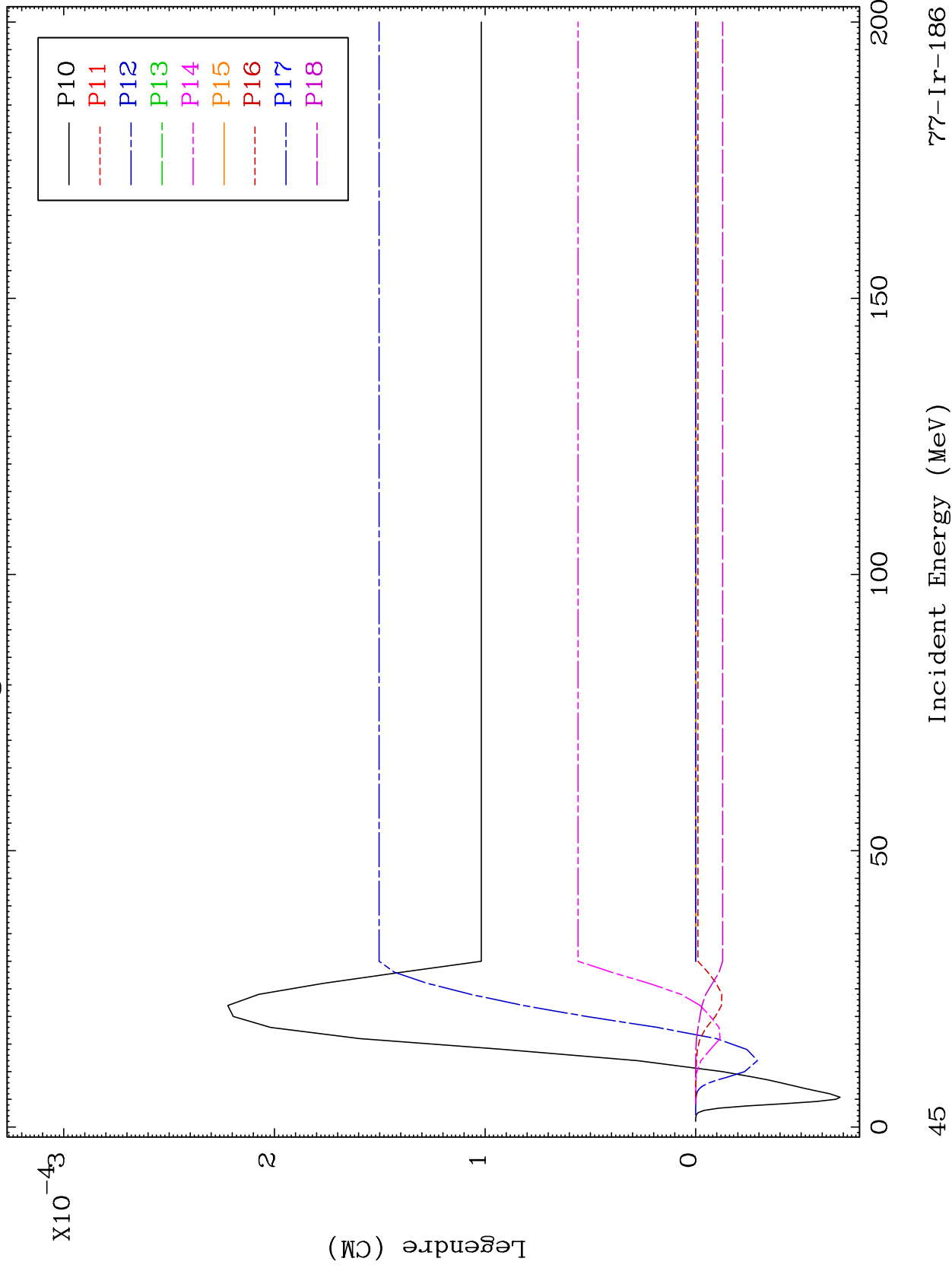
Incident Energy (MeV)

77-Ir-186

MAT 7710

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

77-Ir-186

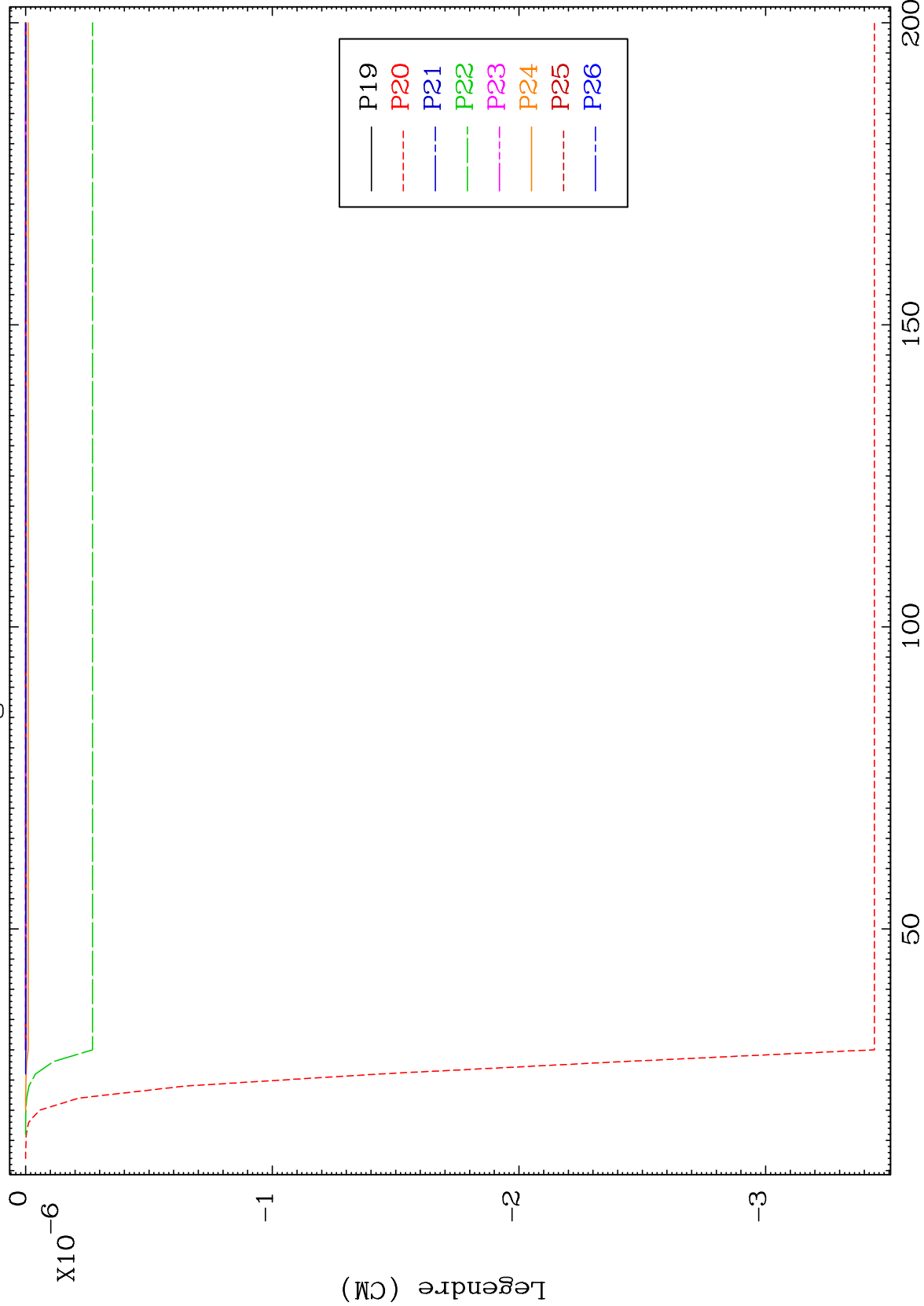


77-Ir-186

MAT 7710

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

77-Ir-186



77-Ir-186

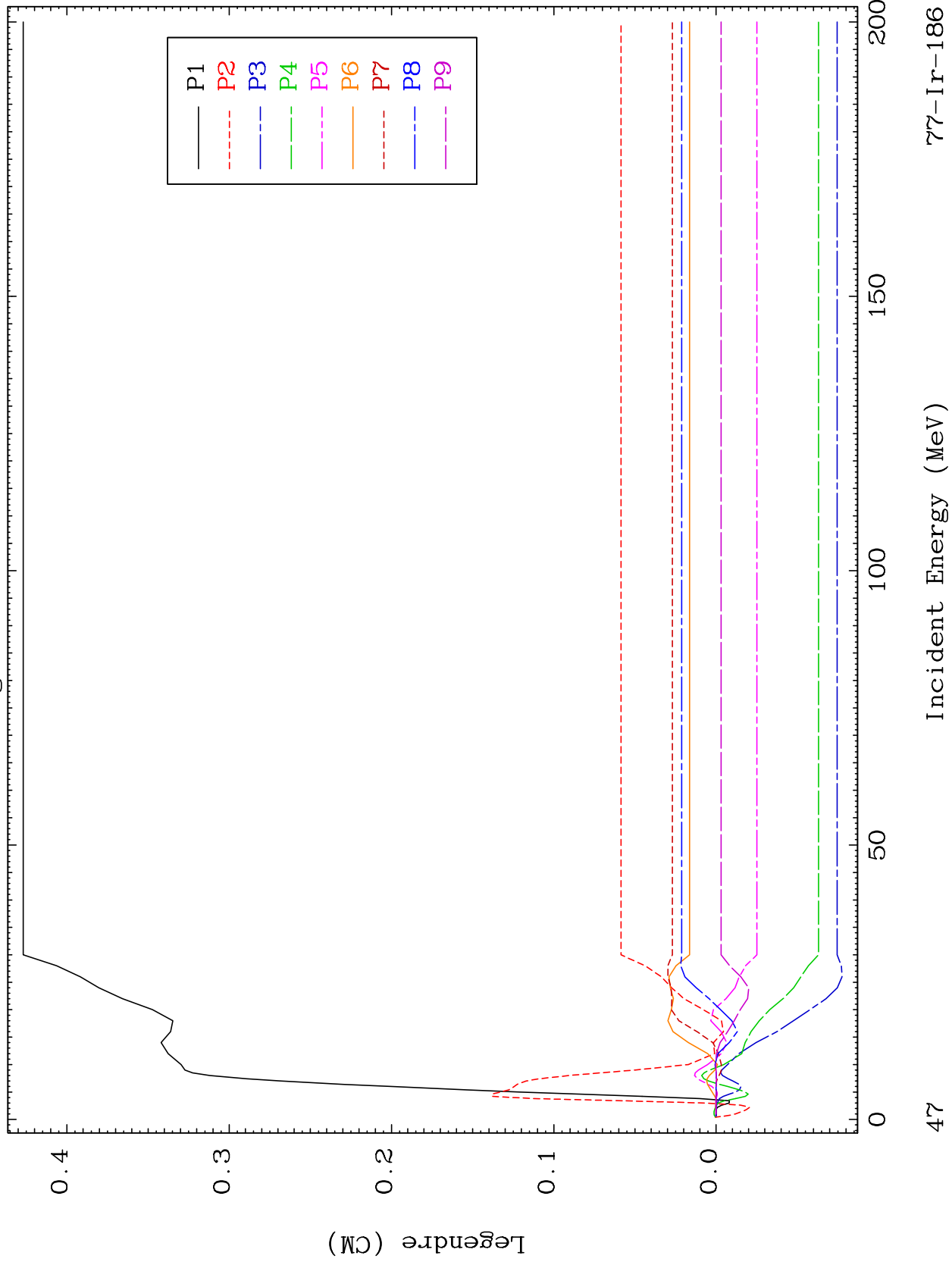
Incident Energy (MeV)

46

MAT 7710

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

77-Ir-186



77-Ir-186

Incident Energy (MeV)

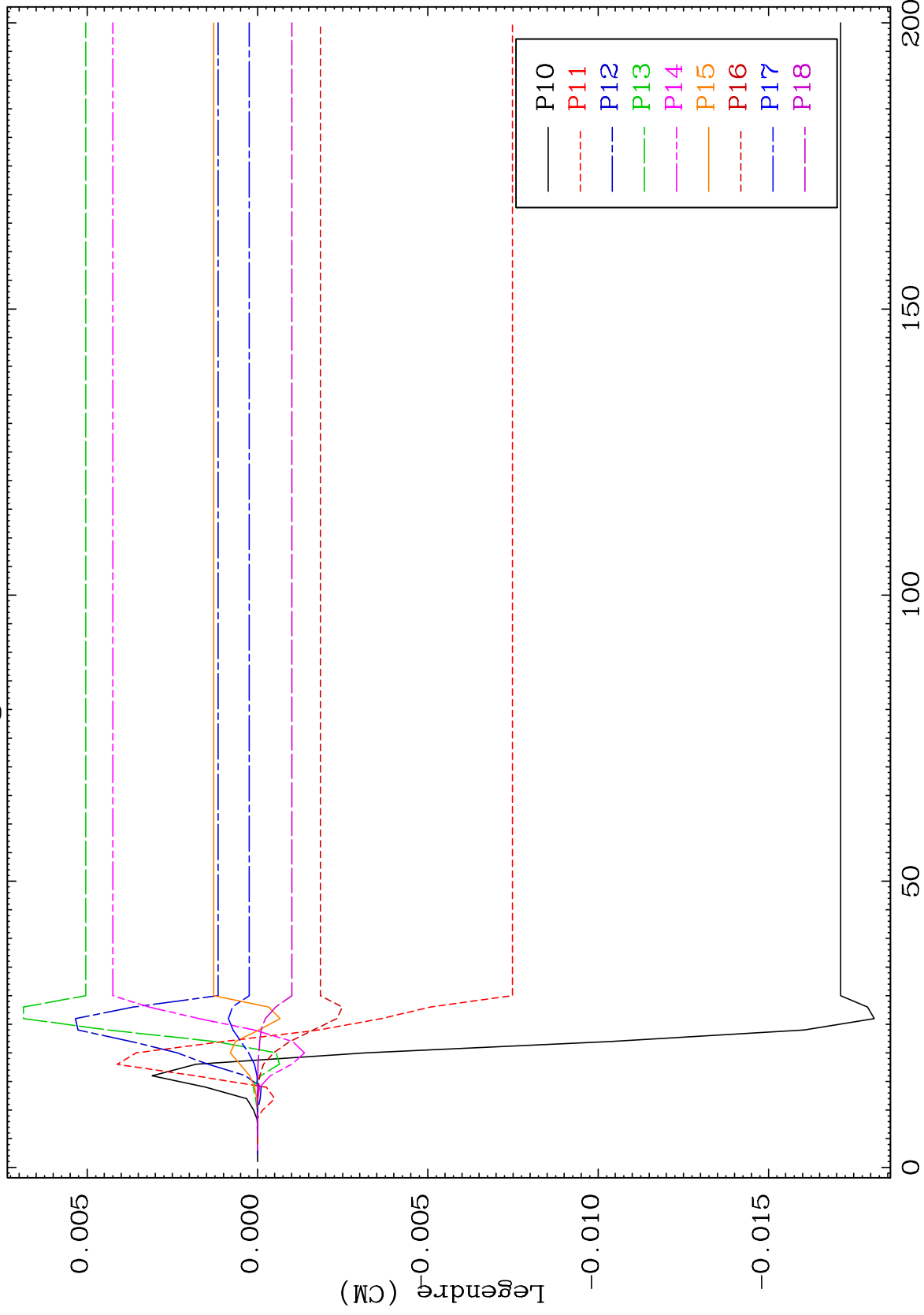
47



MAT 7710

77-Ir-186

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



48

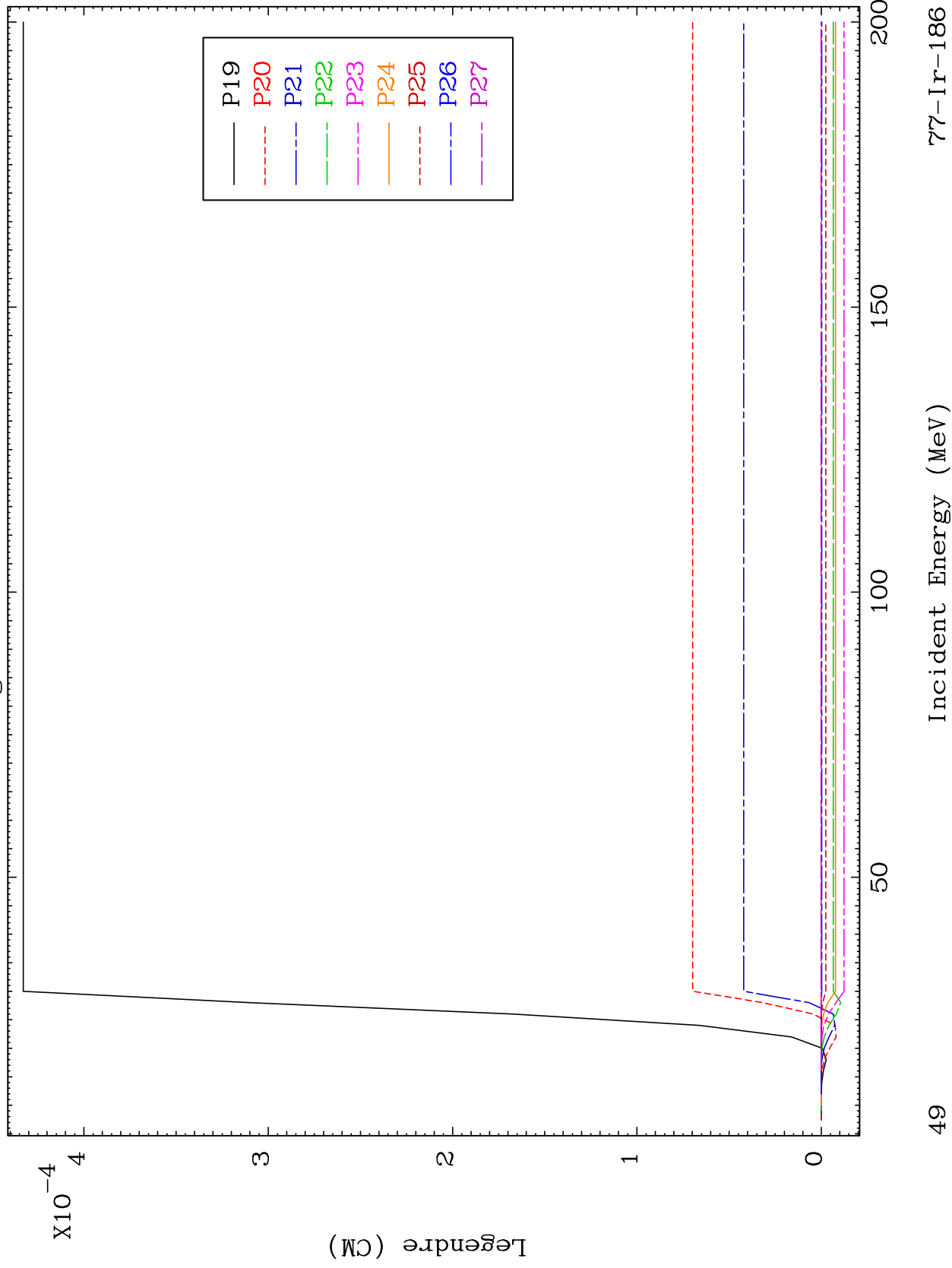
Incident Energy (MeV)

77-Ir-186

MAT 7710

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

77-Ir-186



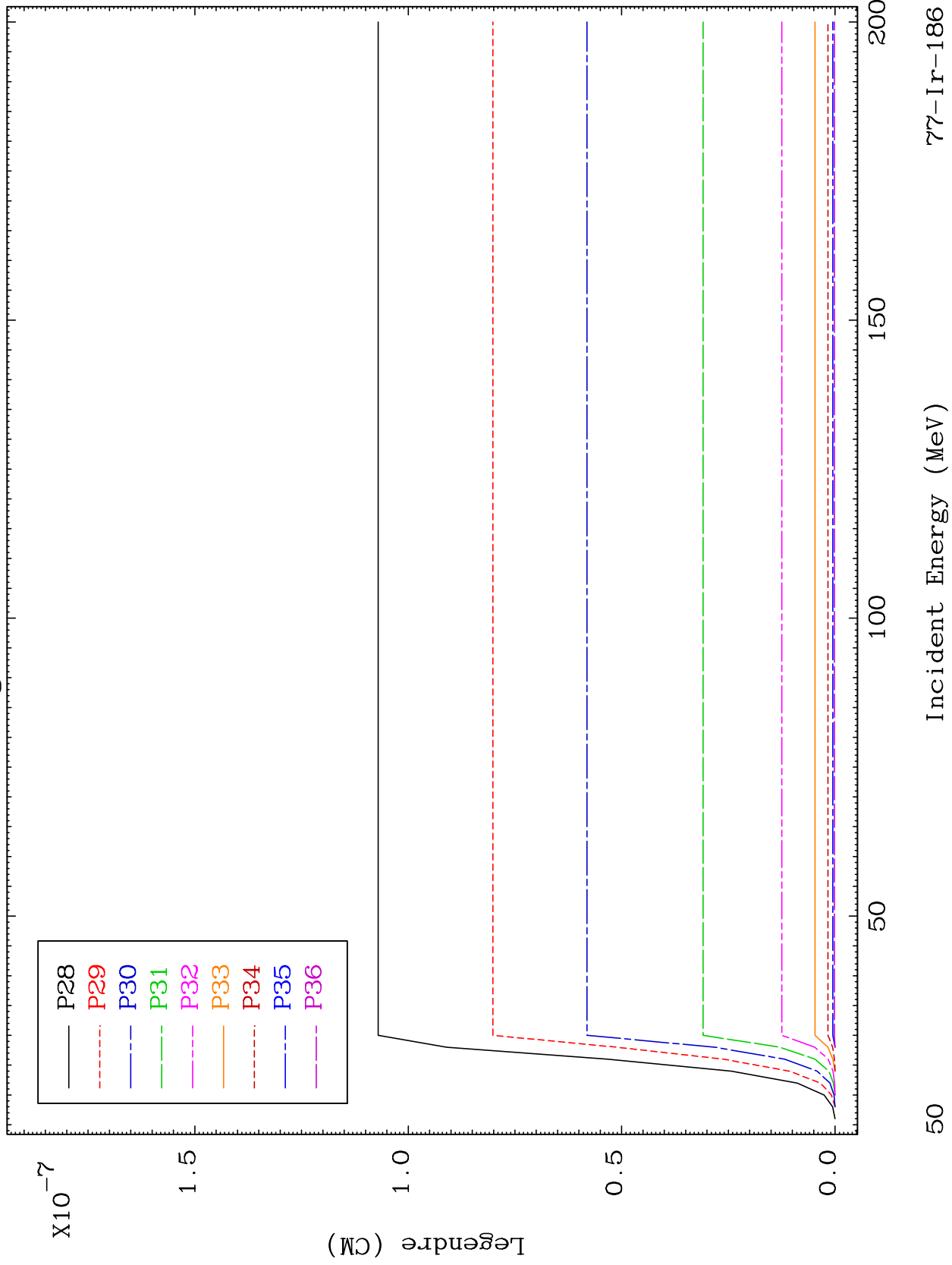
49

77-Ir-186

MAT 7710

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

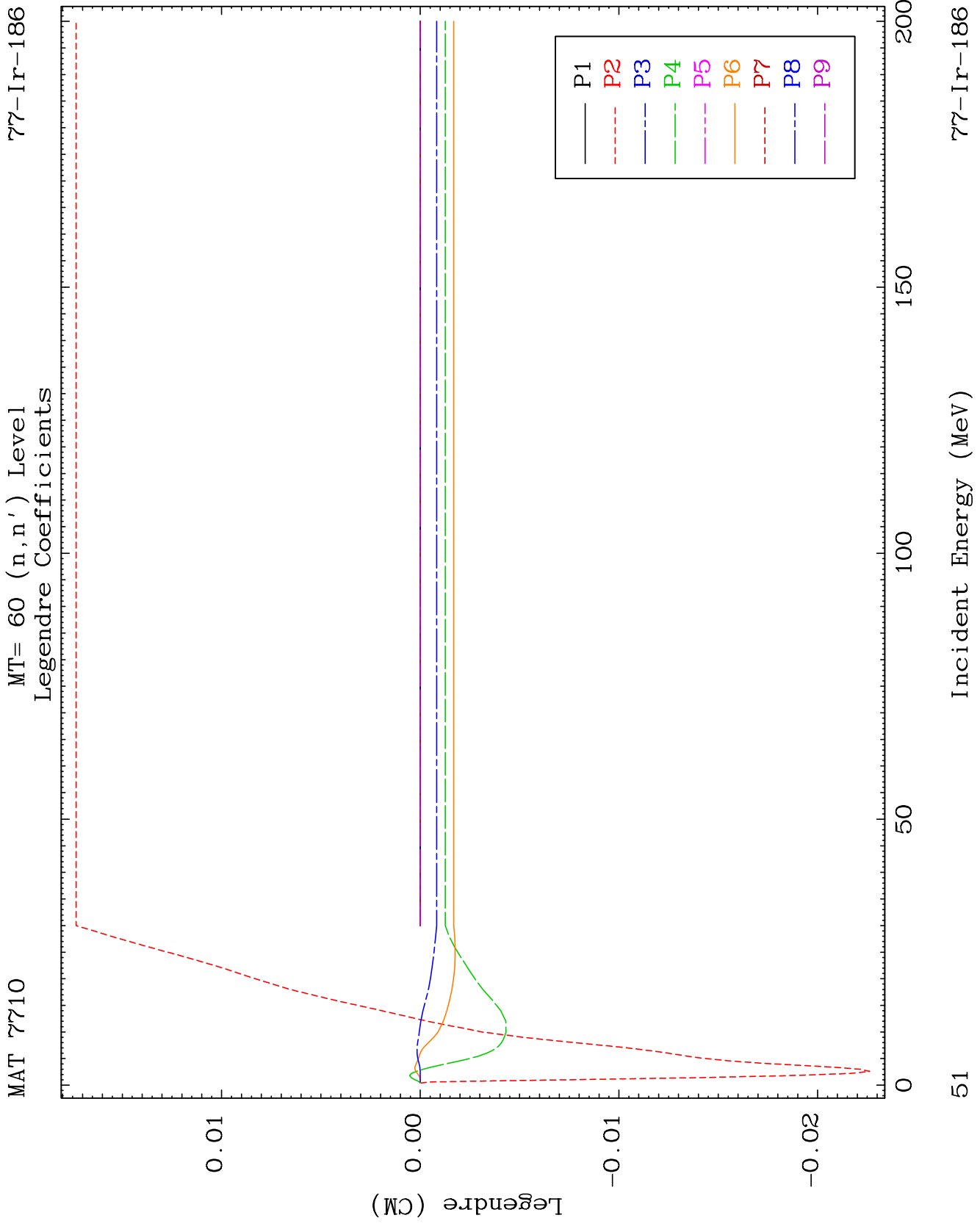
77-Ir-186



77-Ir-186

Incident Energy (MeV)

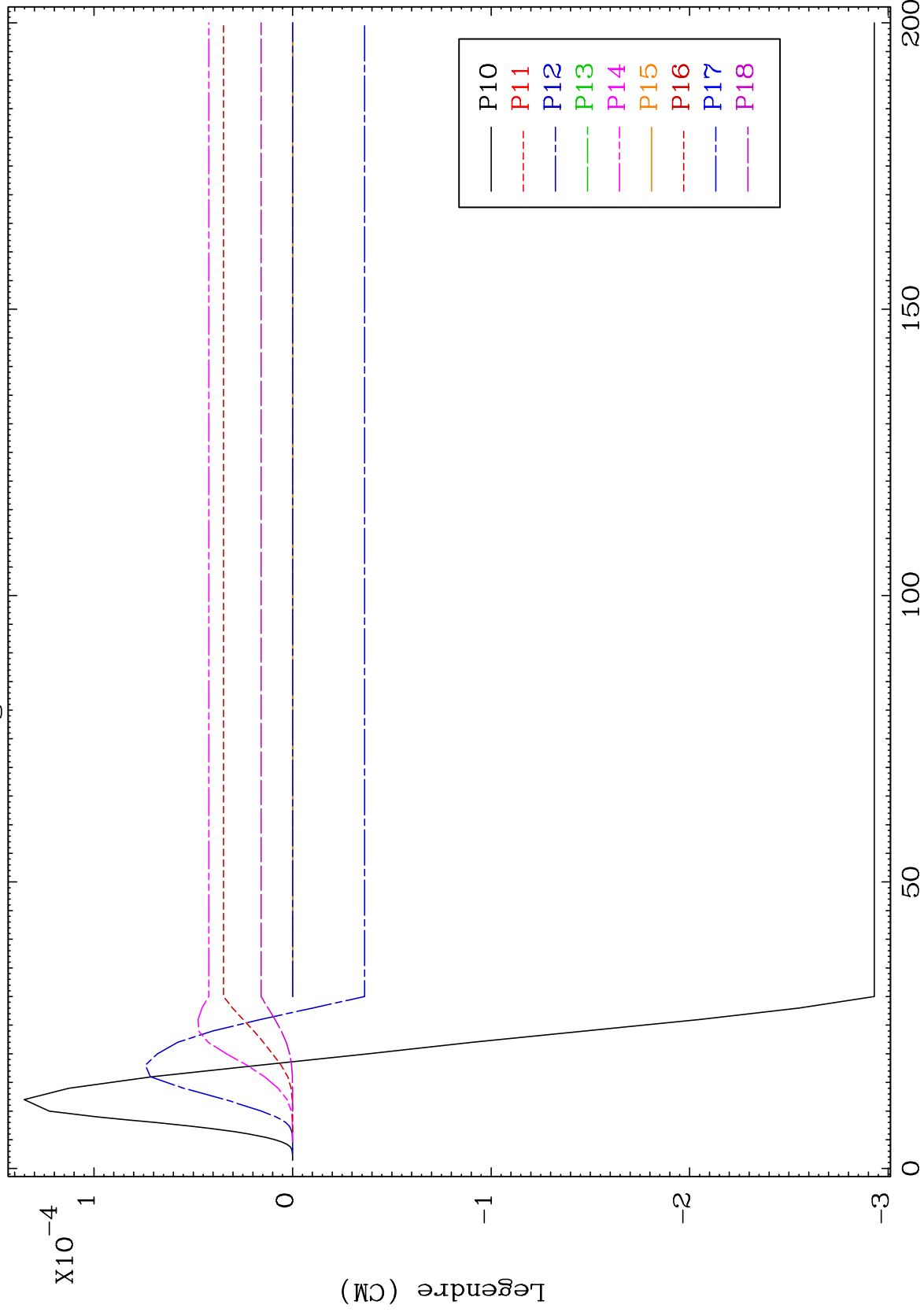
50



MAT 7710

MT= 60 (n,n') Level  
Legendre Coefficients

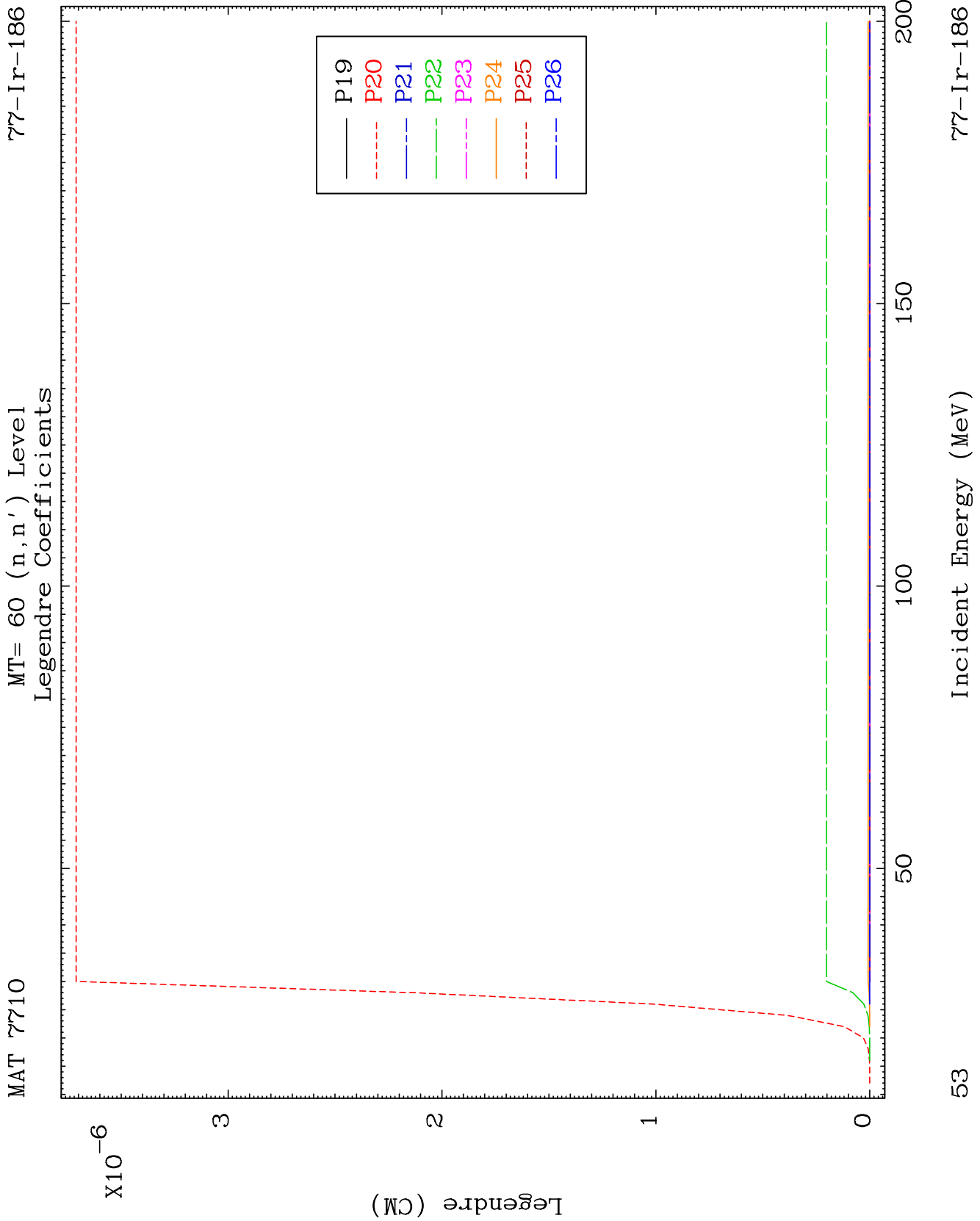
77-Ir-186

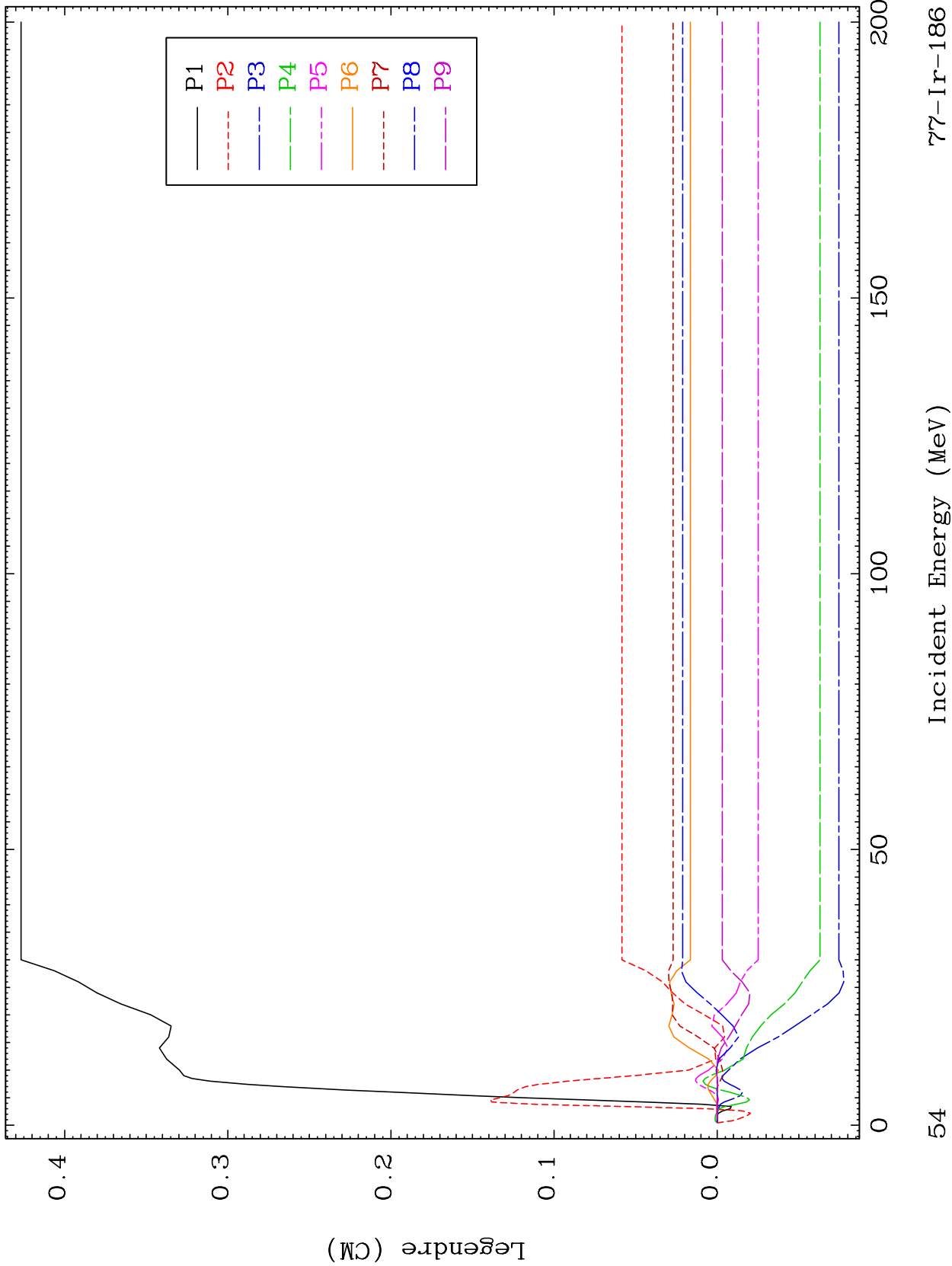


52

Incident Energy (MeV)

77-Ir-186

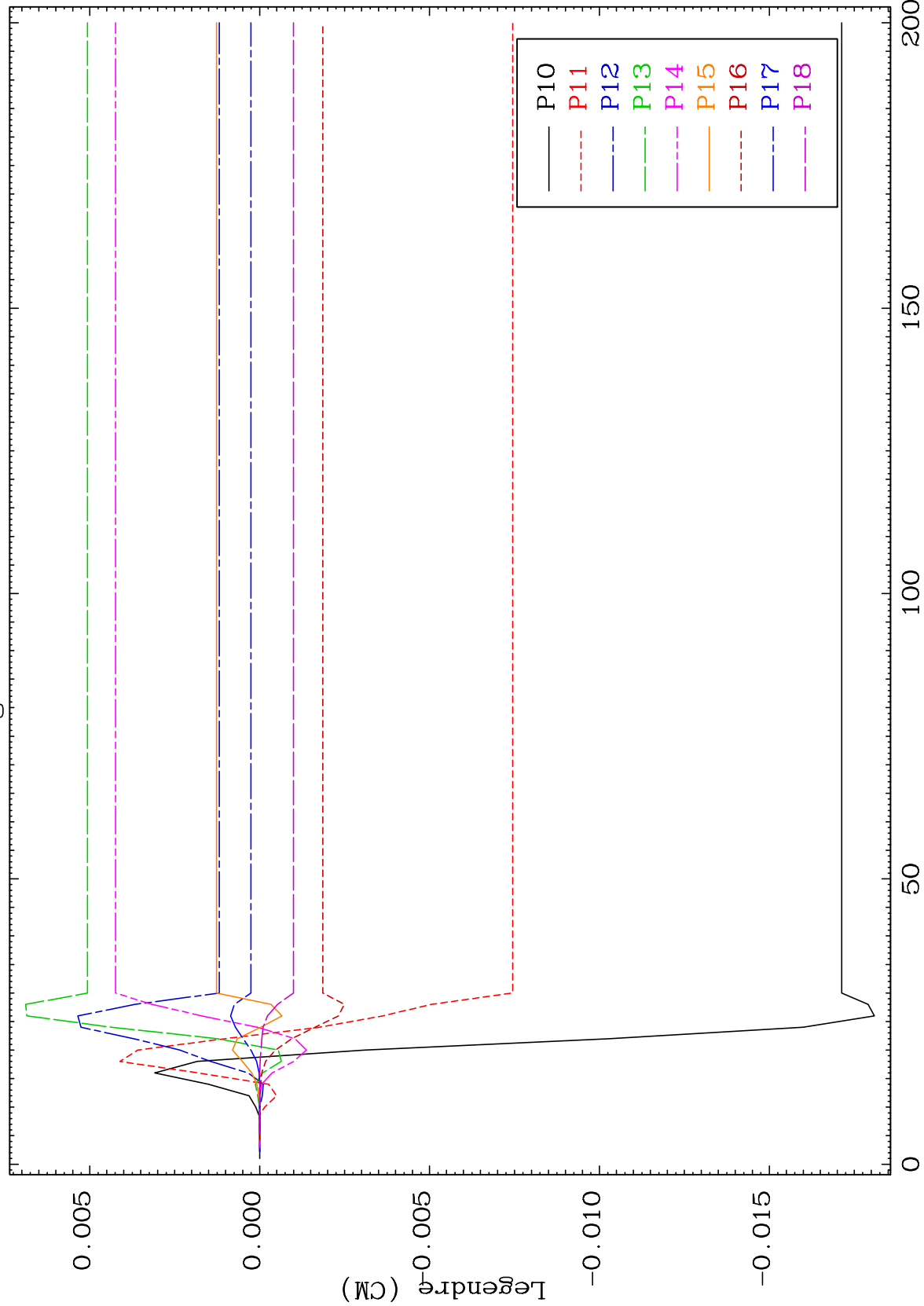




MAT 7710

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

77-Ir-186



55

Incident Energy (MeV)

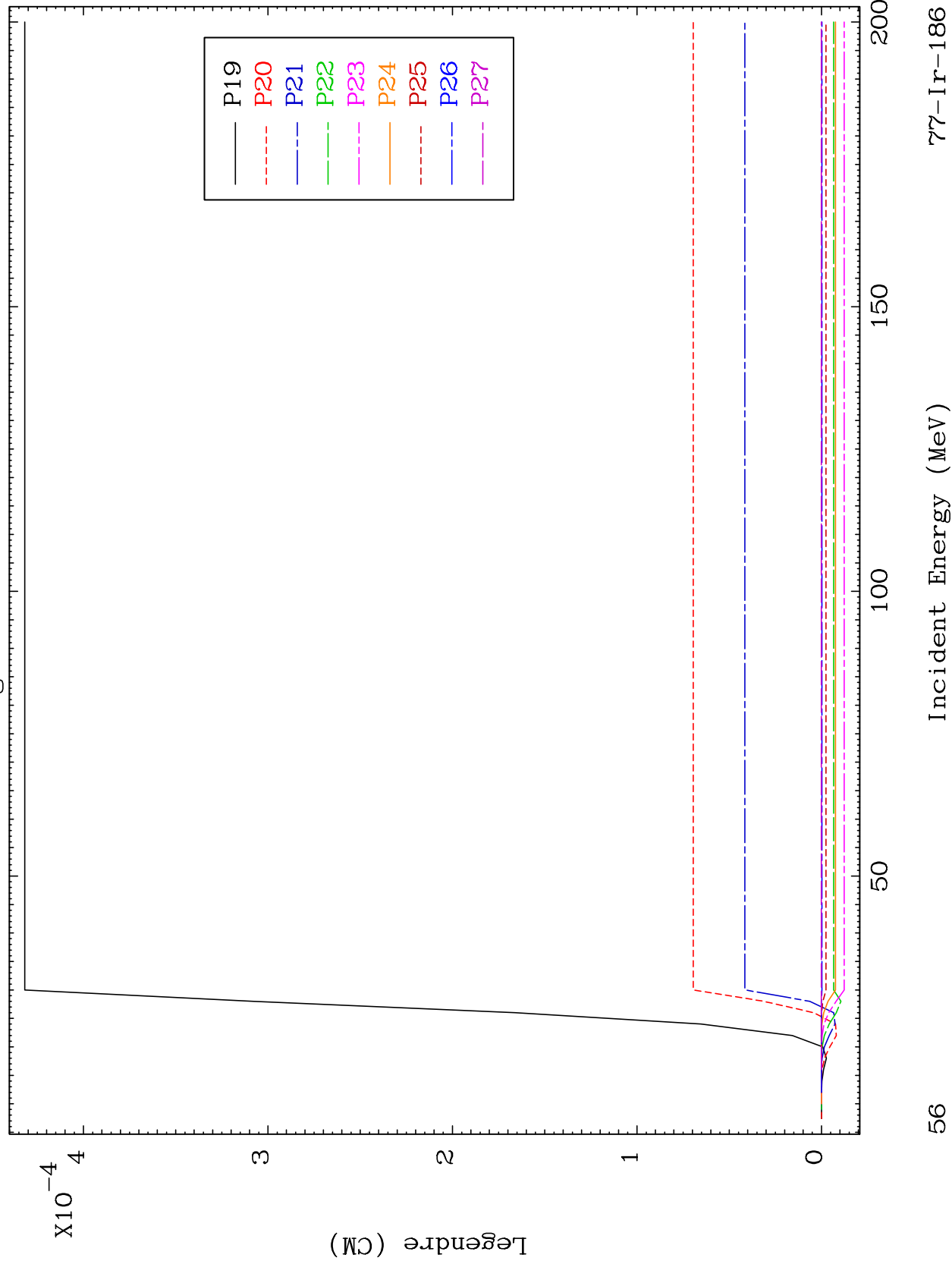
77-Ir-186



MAT 7710

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

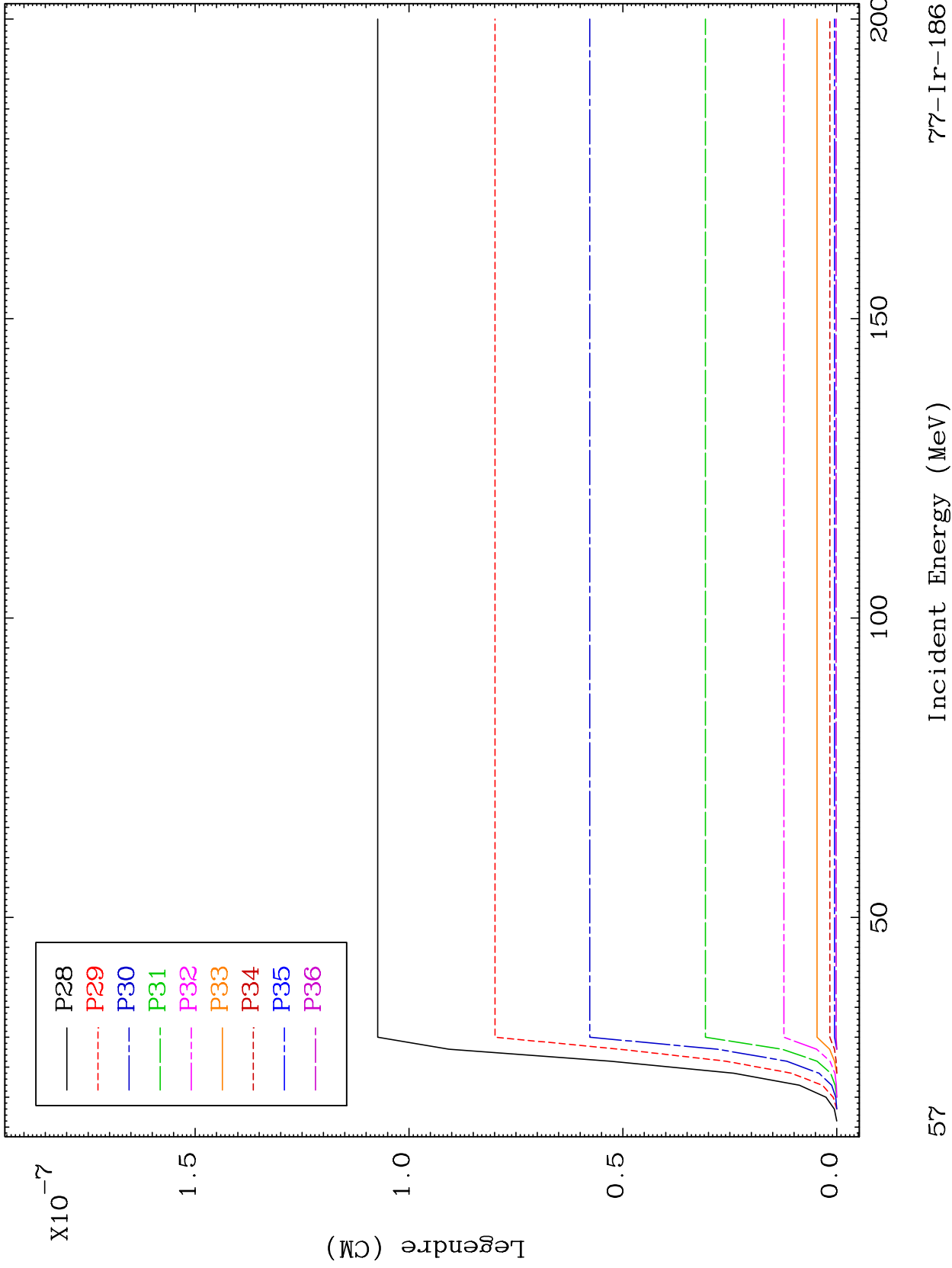
77-Ir-186



56

Incident Energy (MeV)

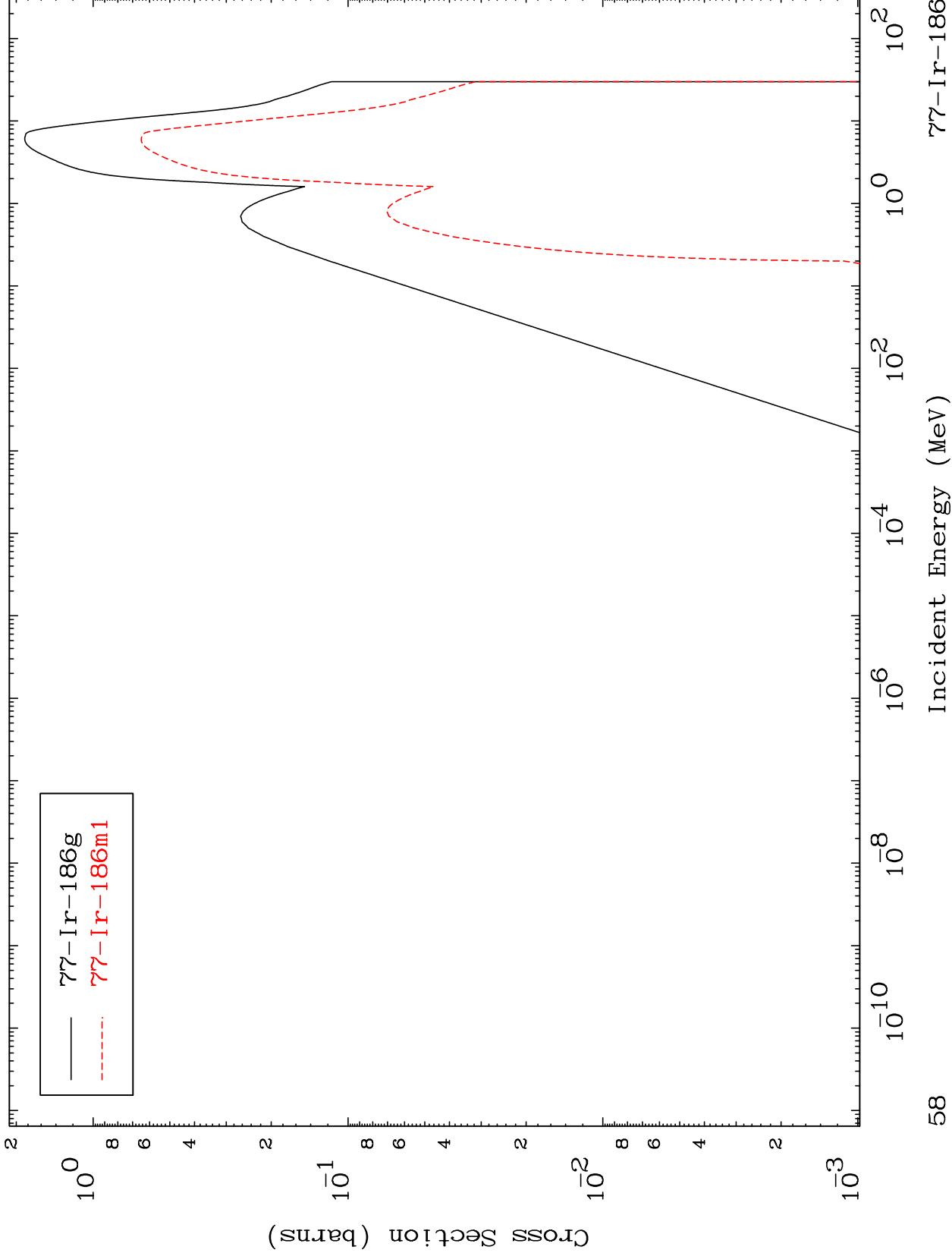
77-Ir-186



MAT 7710

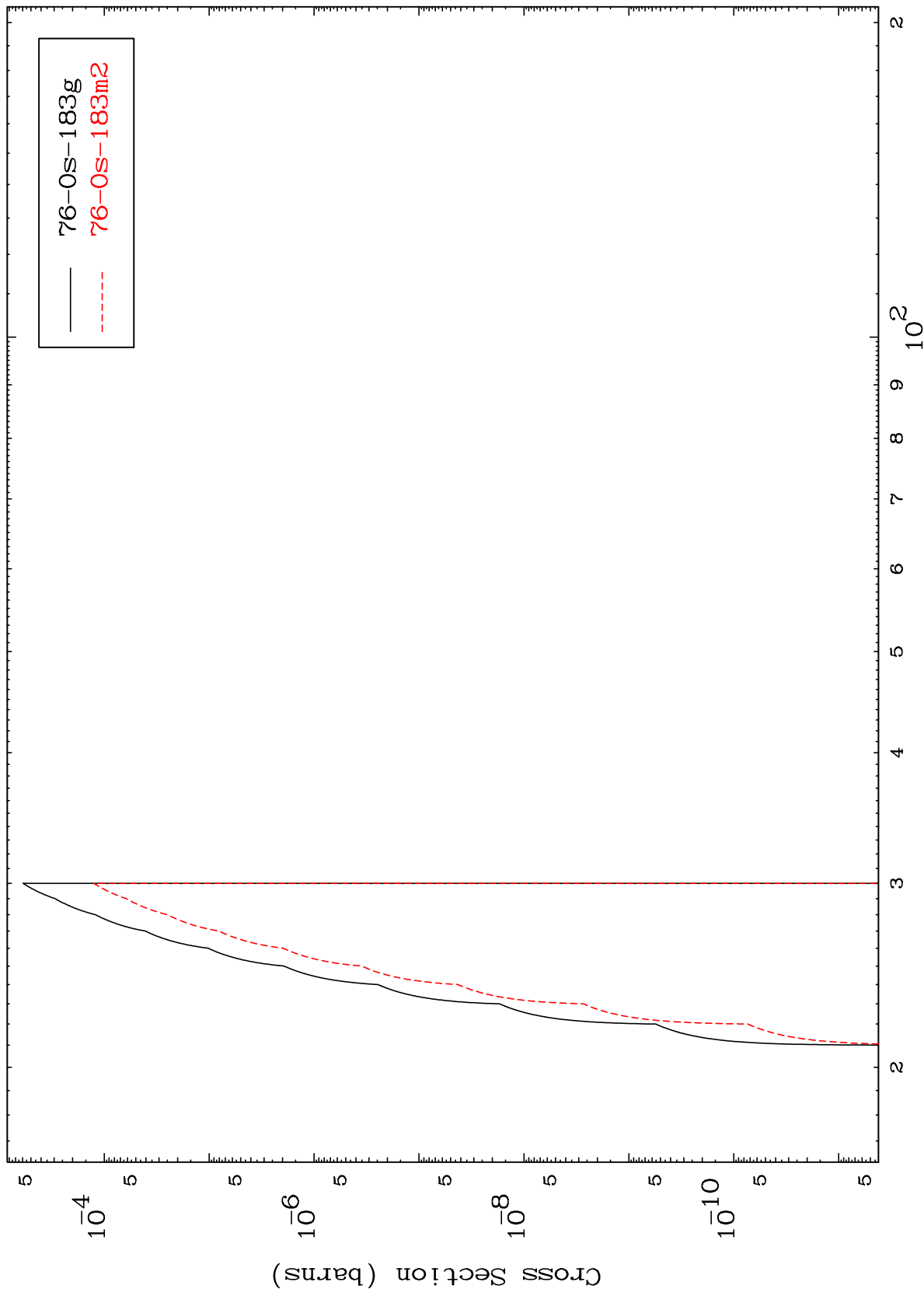
Inelastic  
Radionuclide Production Cross Section

<sup>77</sup>Ir-186



— <sup>77</sup>Ir-186g  
- - - <sup>77</sup>Ir-186m1

Radionuclide Production Cross Section



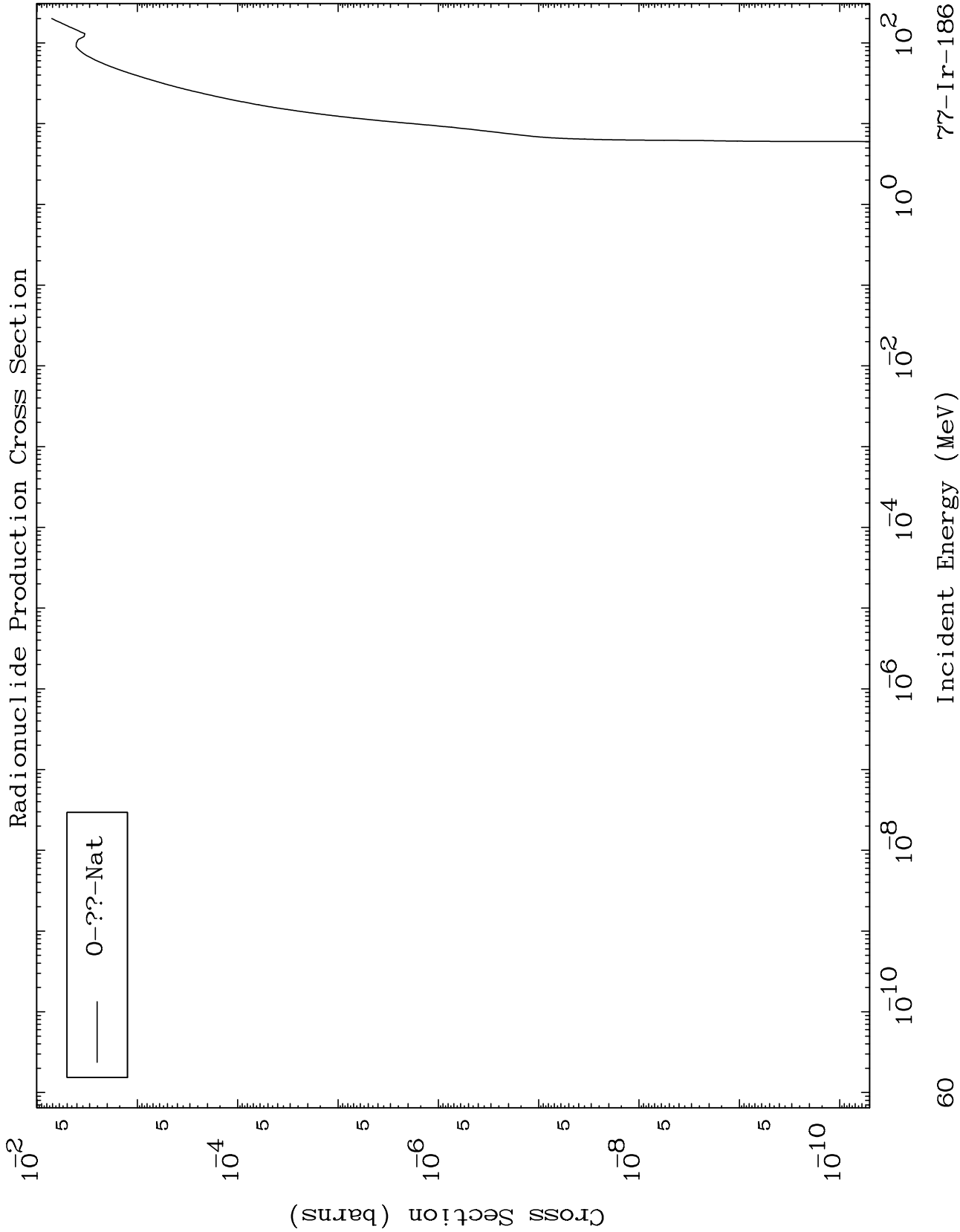
76-Os-183g  
76-Os-183m2

MAT 7710

Fission

<sup>77</sup>Ir-186

Radionuclide Production Cross Section



60

Incident Energy (MeV)

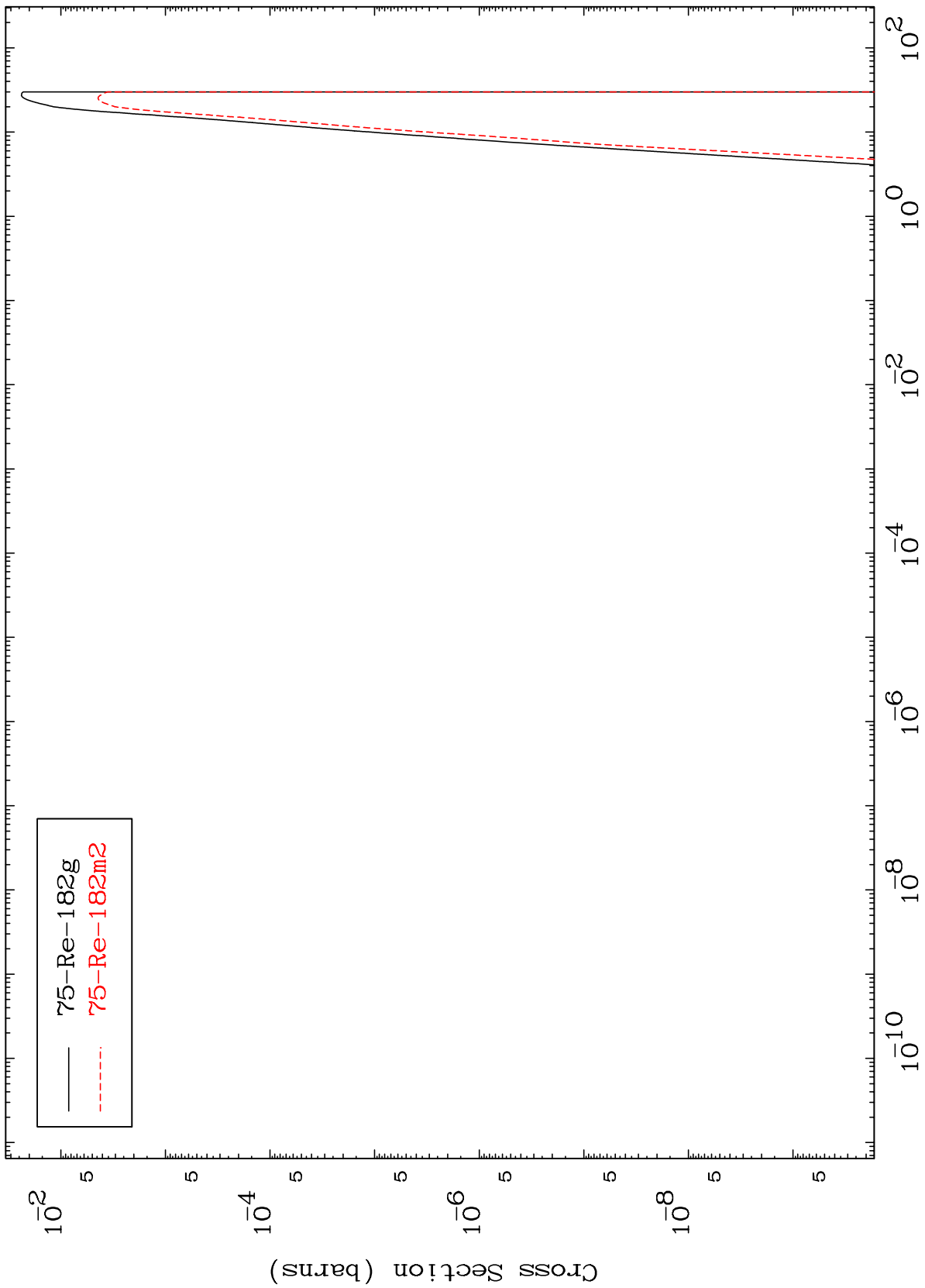
<sup>77</sup>Ir-186

MAT 7710

$(n, n') \alpha$

$^{77}\text{Ir-186}$

Radionuclide Production Cross Section



61

Incident Energy (MeV)

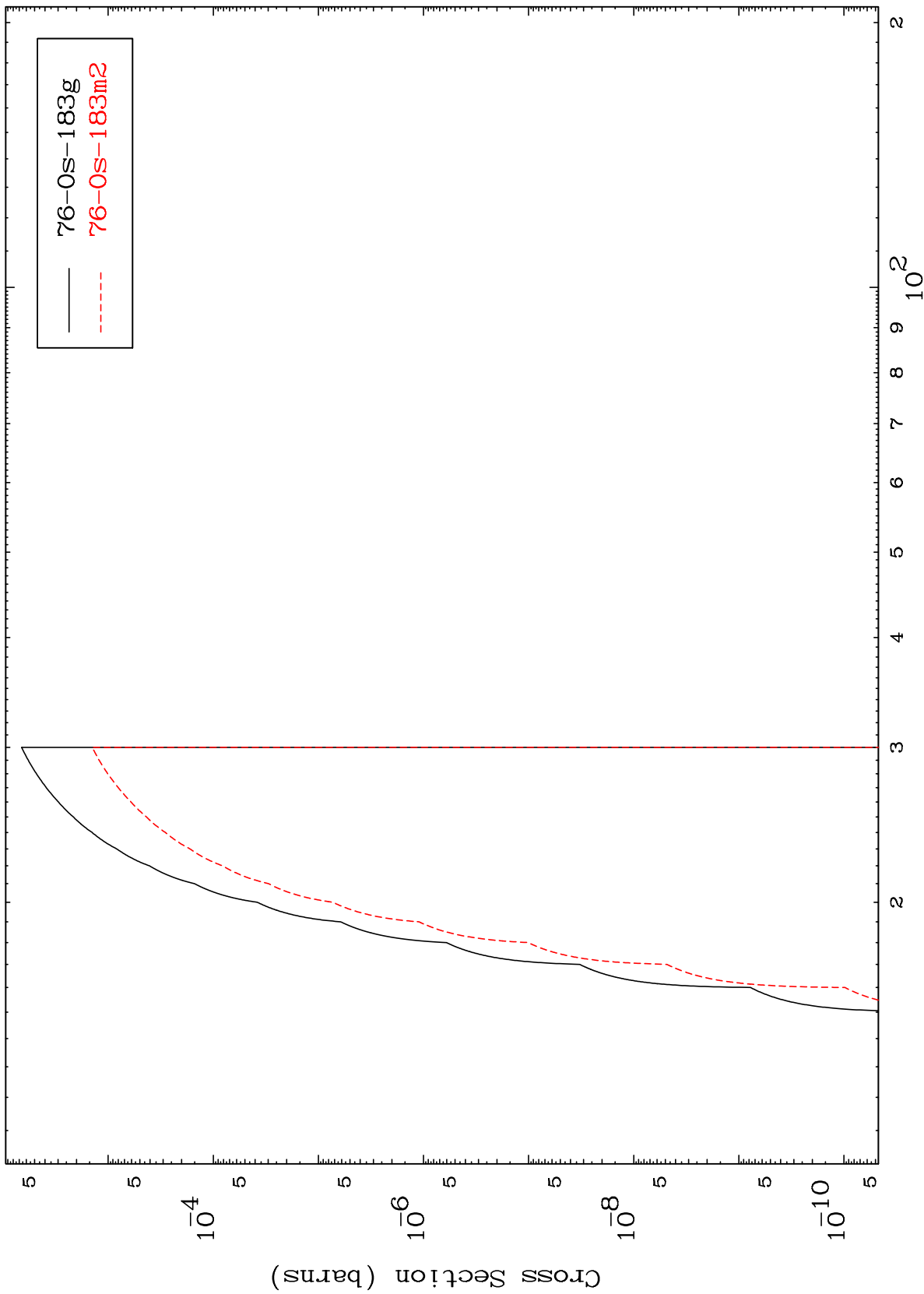
$^{77}\text{Ir-186}$

MAT 7710

(n,n') t

77-Ir-186

Radionuclide Production Cross Section



62

Incident Energy (MeV)

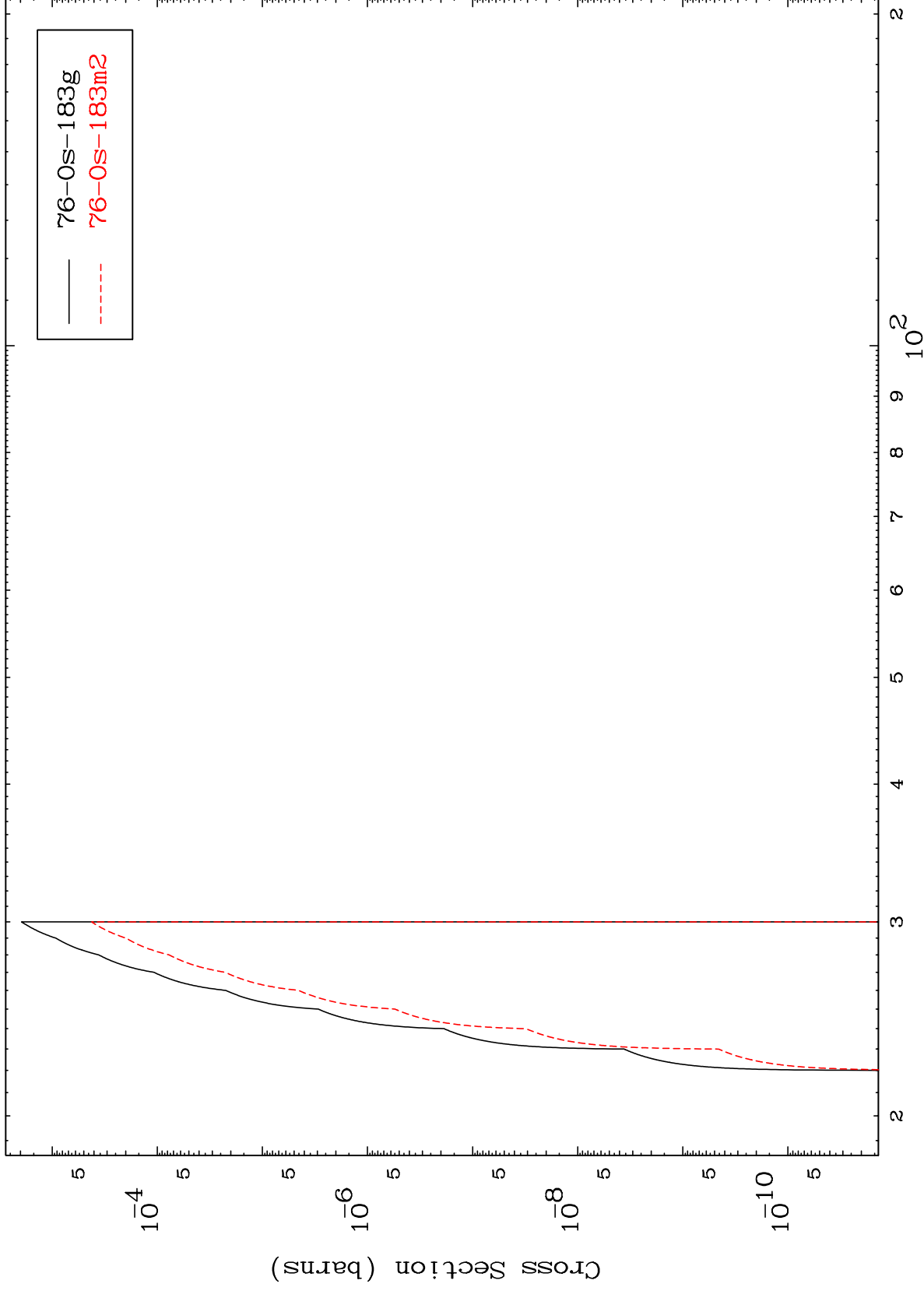
77-Ir-186

MAT 7710

(n,3n) p

77-Ir-186

Radionuclide Production Cross Section



63

Incident Energy (MeV)

77-Ir-186

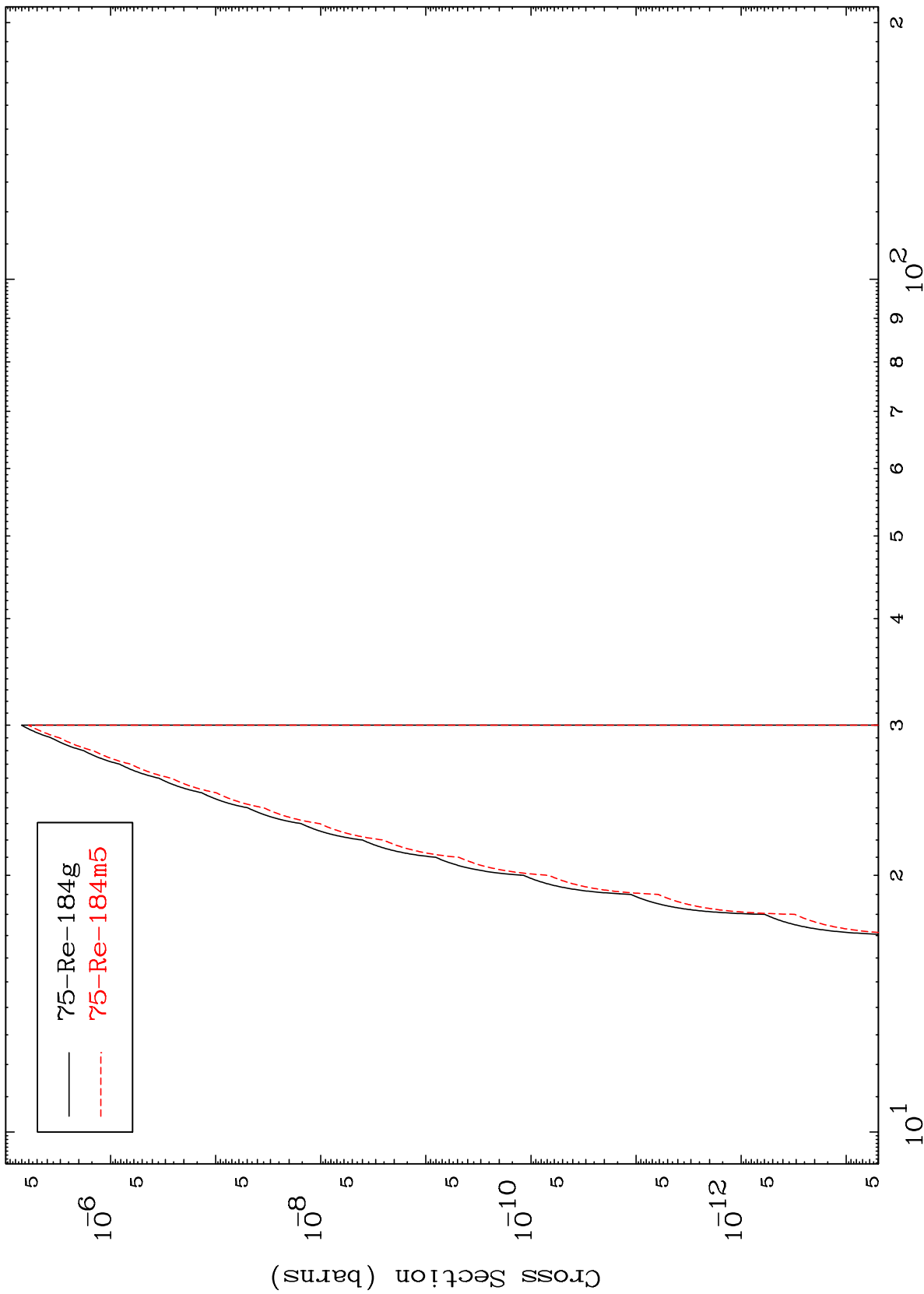


MAT 7710

(n,2n) p

77-Ir-186

Radionuclide Production Cross Section



64

Incident Energy (MeV)

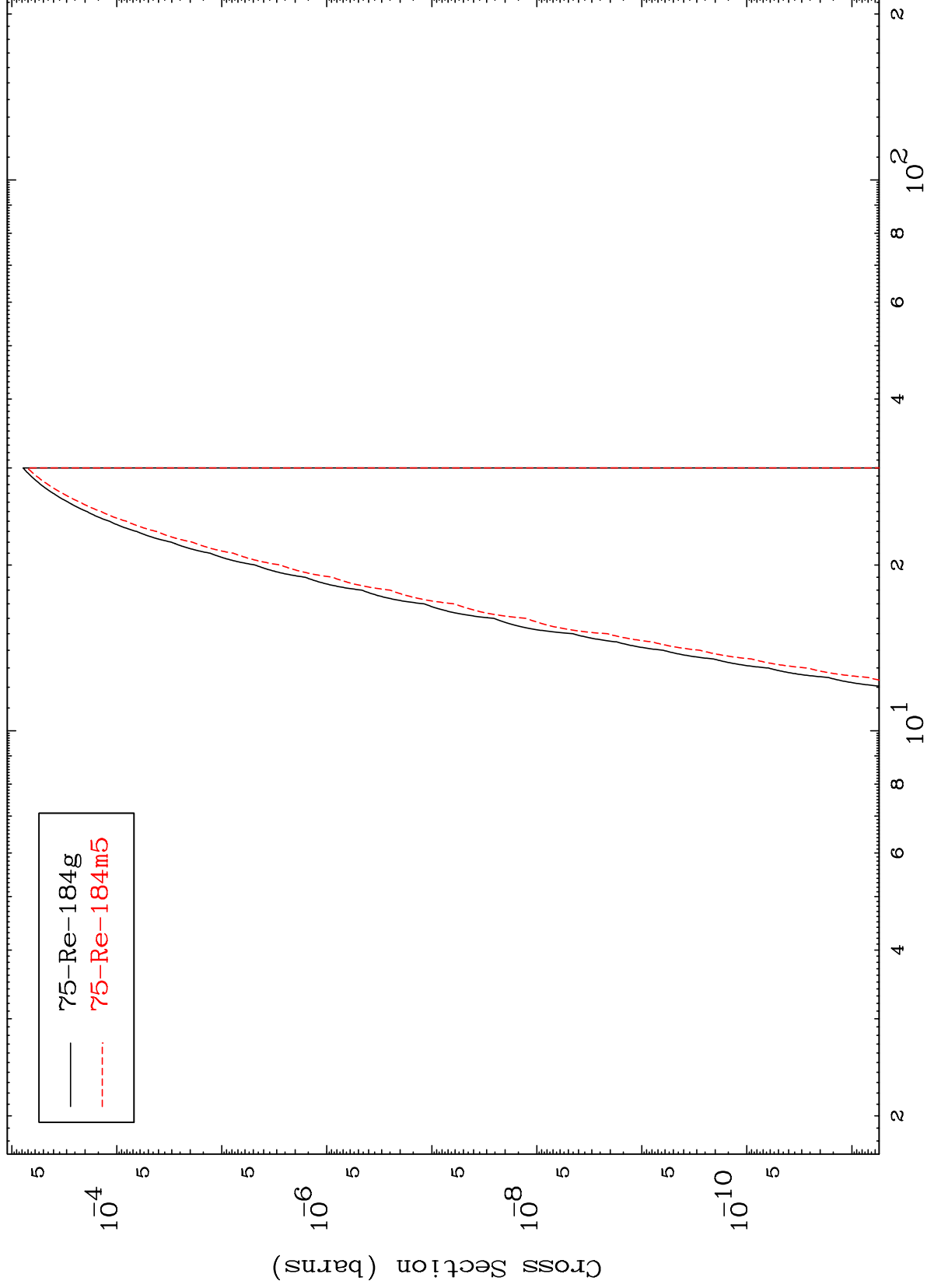
77-Ir-186

MAT 7710

(n,He-3)

<sup>77</sup>Ir-186

Radionuclide Production Cross Section



— 75-Re-184g  
- - - 75-Re-184m5

65

Incident Energy (MeV)

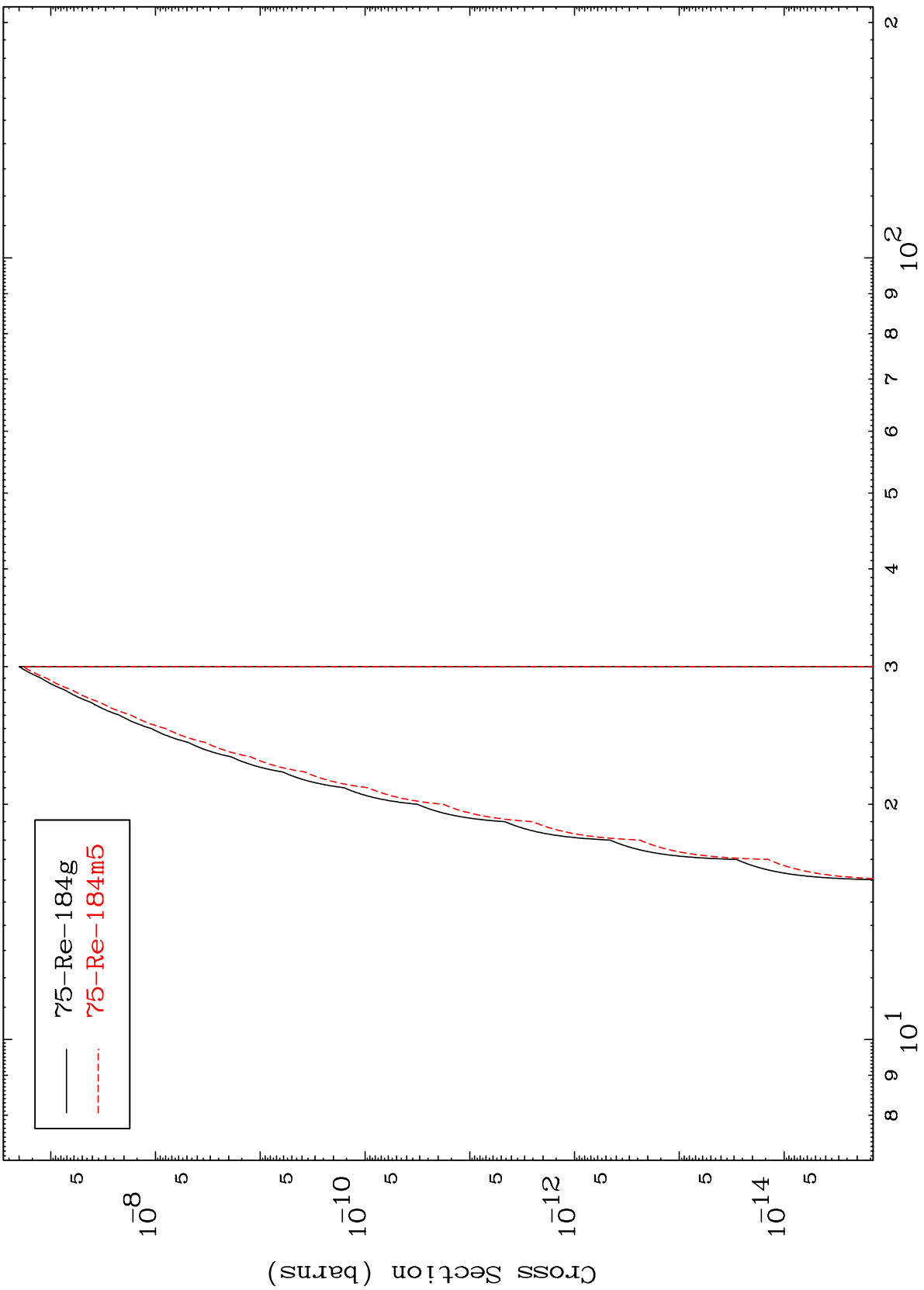
<sup>77</sup>Ir-186

MAT 7710

(n,p) d

77-Ir-186

Radionuclide Production Cross Section



75-Re-184g  
75-Re-184m5

66

Incident Energy (MeV)

77-Ir-186