

Program EVALPLOT  
(Version 2015-2)

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:home.comcast.net/~redcullen1

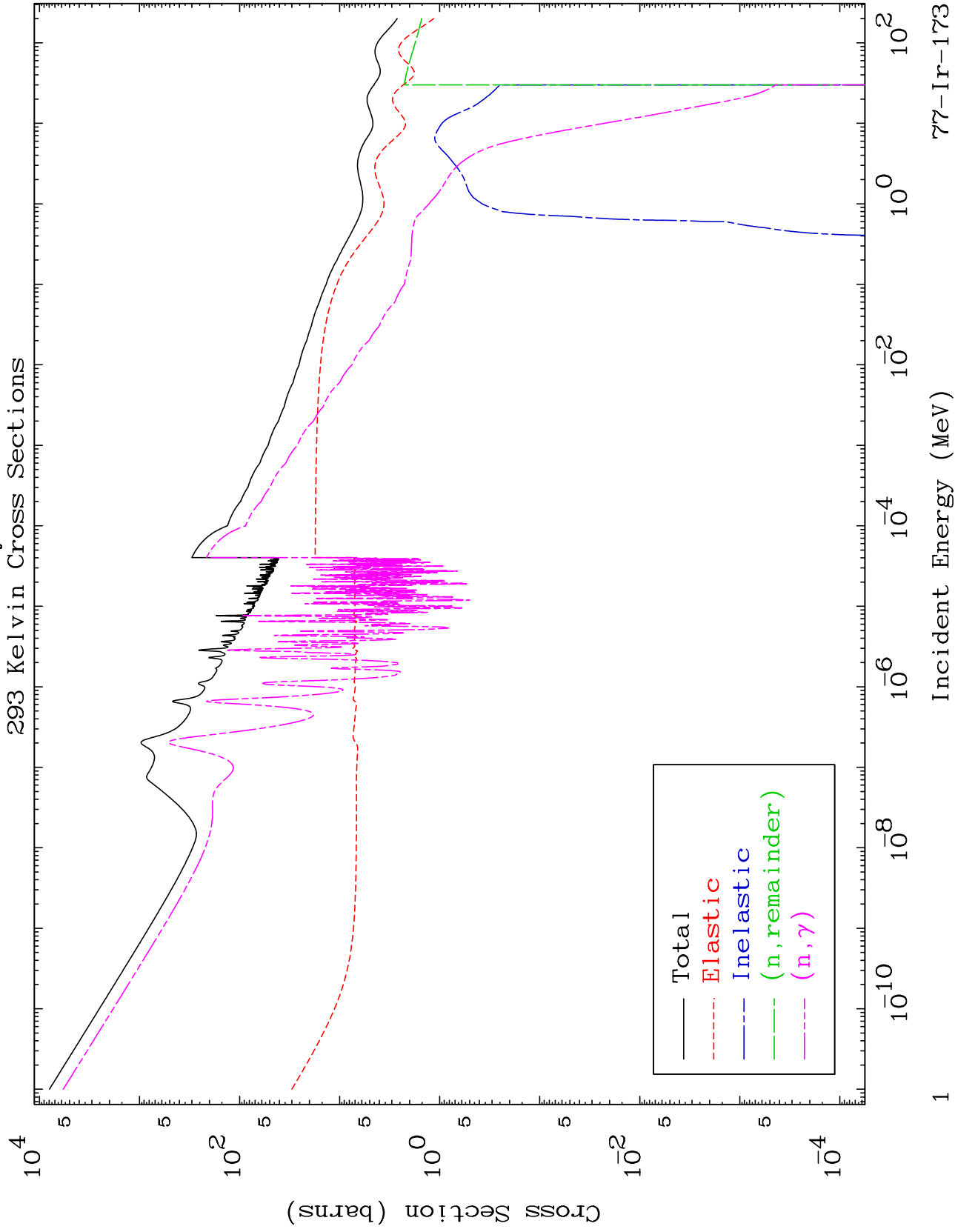
Press Mouse Button to Start

MAT 7671

Major

293 Kelvin Cross Sections

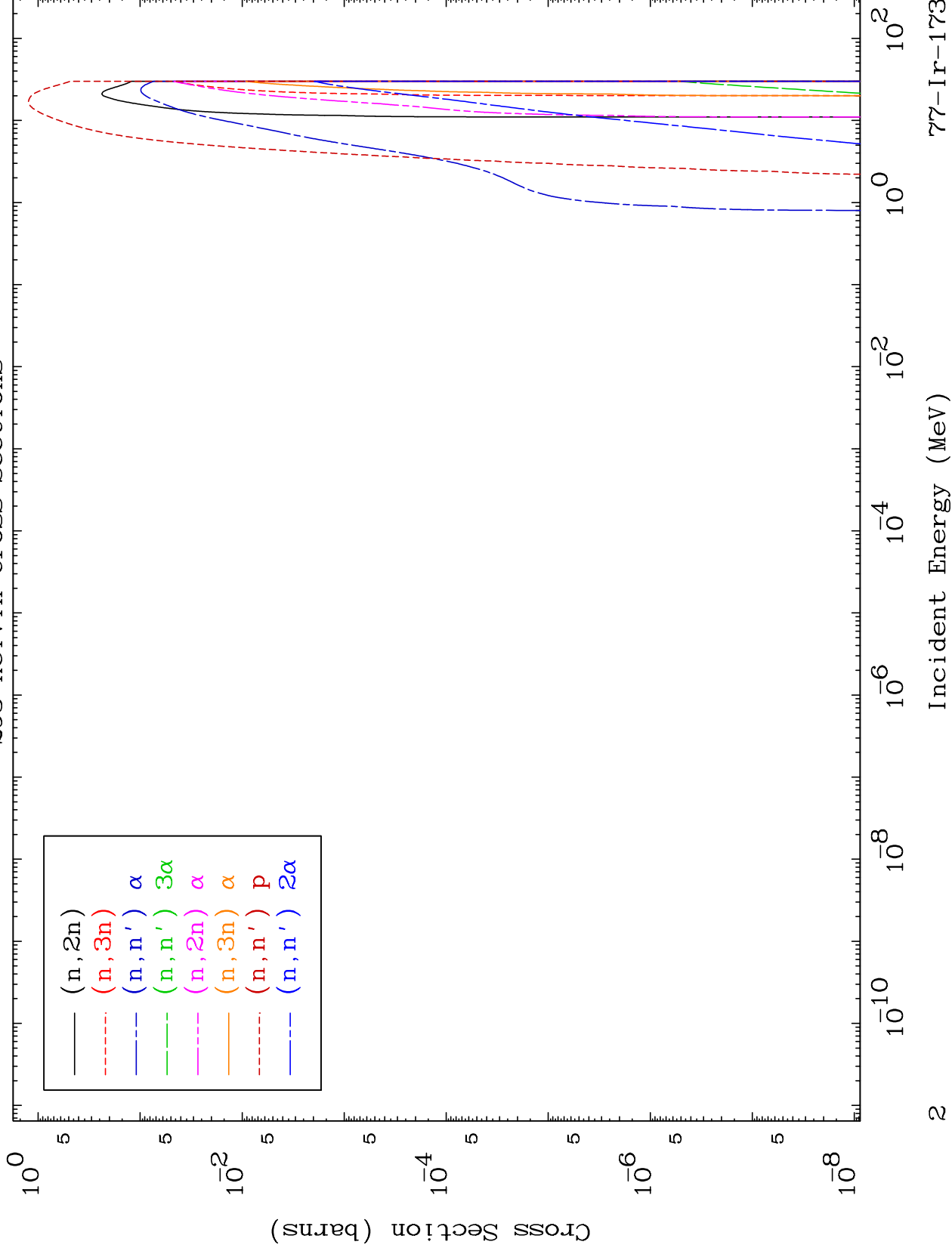
77-Ir-173



MAT 7671

Neutron Production  
293 Kelvin Cross Sections

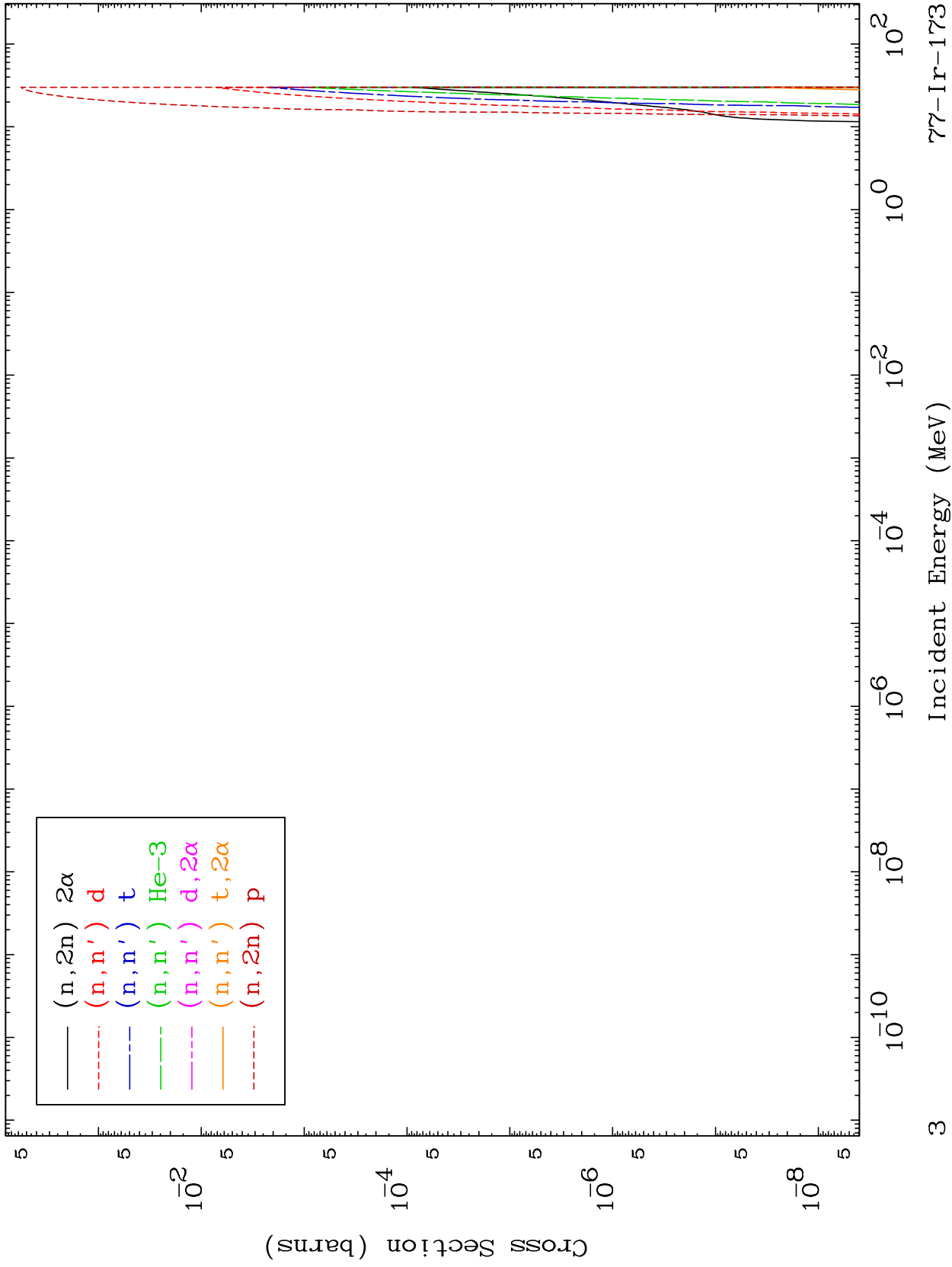
77-Ir-173



MAT 7671

Neutron Production  
293 Kelvin Cross Sections

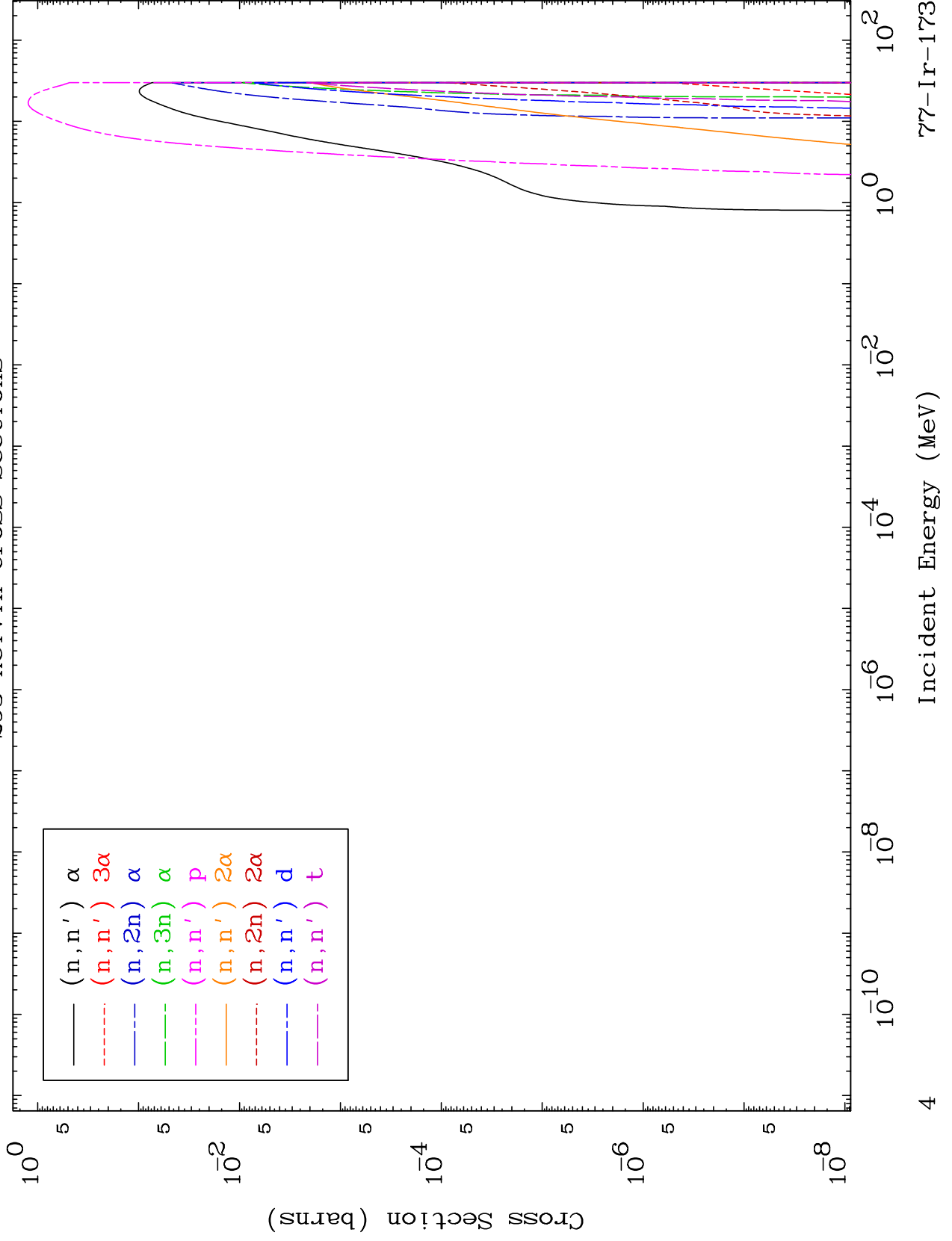
<sup>77</sup>Ir-173



MAT 7671

Charged Particle  
293 Kelvin Cross Sections

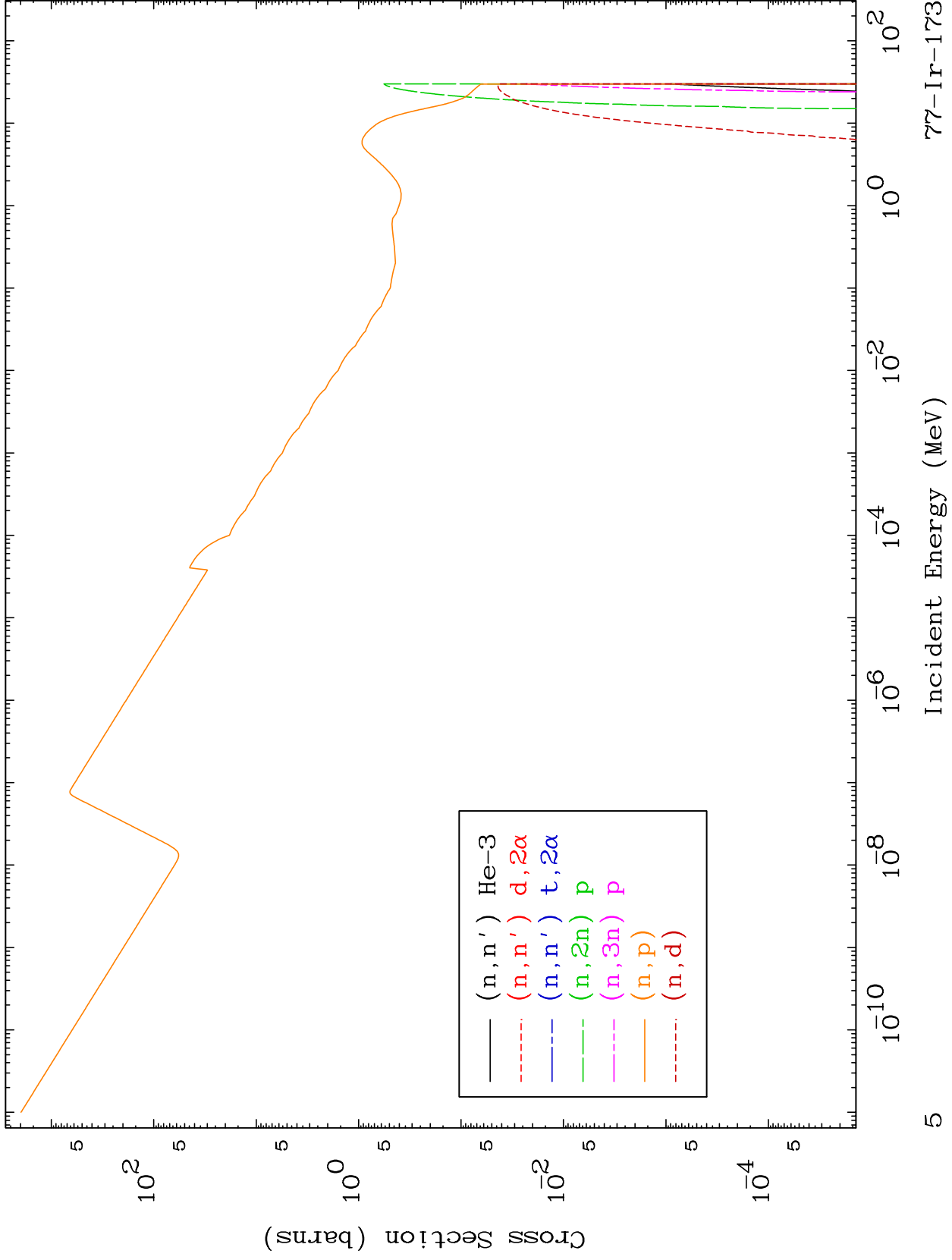
77-Ir-173



MAT 7671

Charged Particle  
293 Kelvin Cross Sections

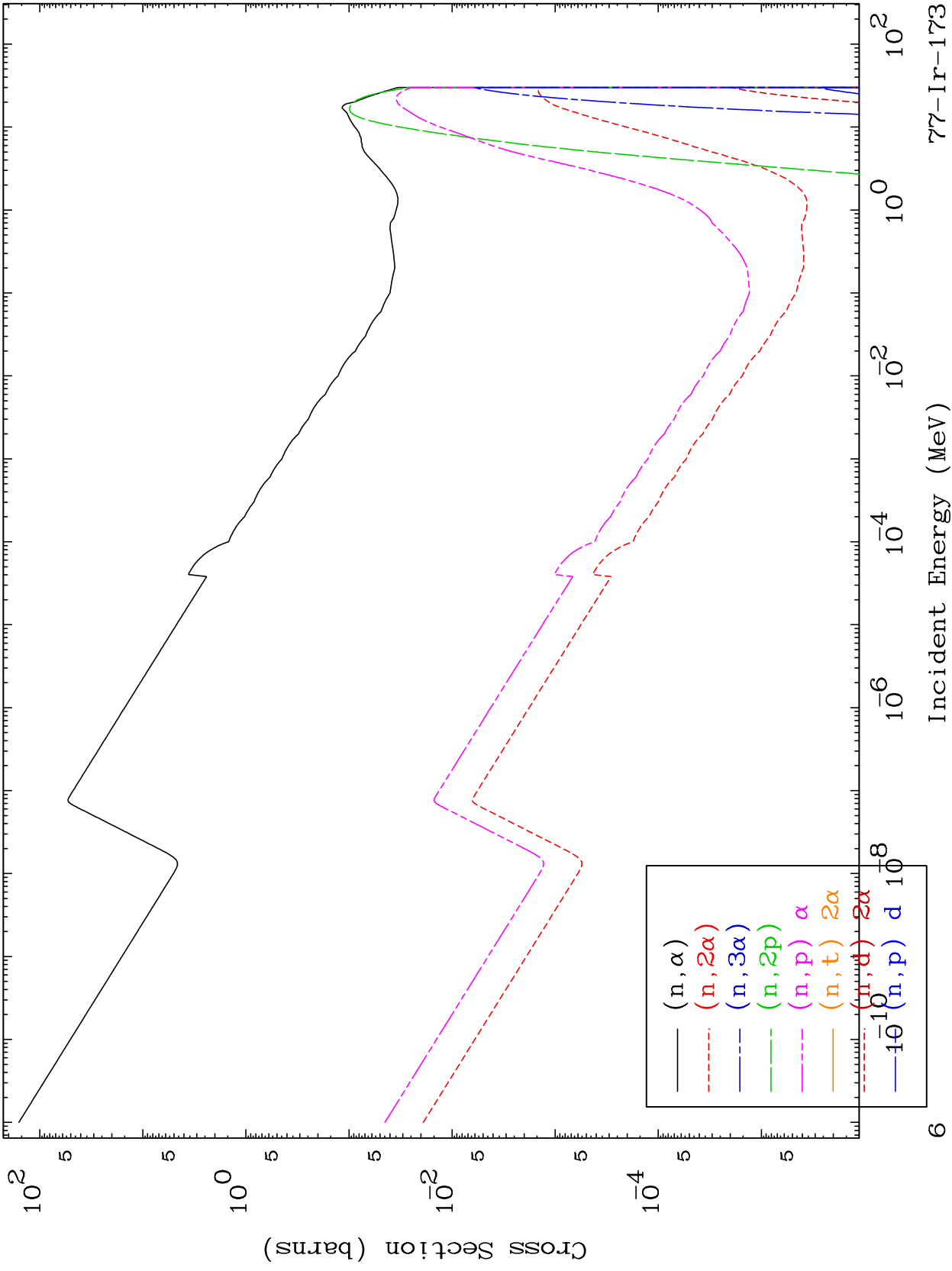
77-Ir-173



MAT 7671

Charged Particle  
293 Kelvin Cross Sections

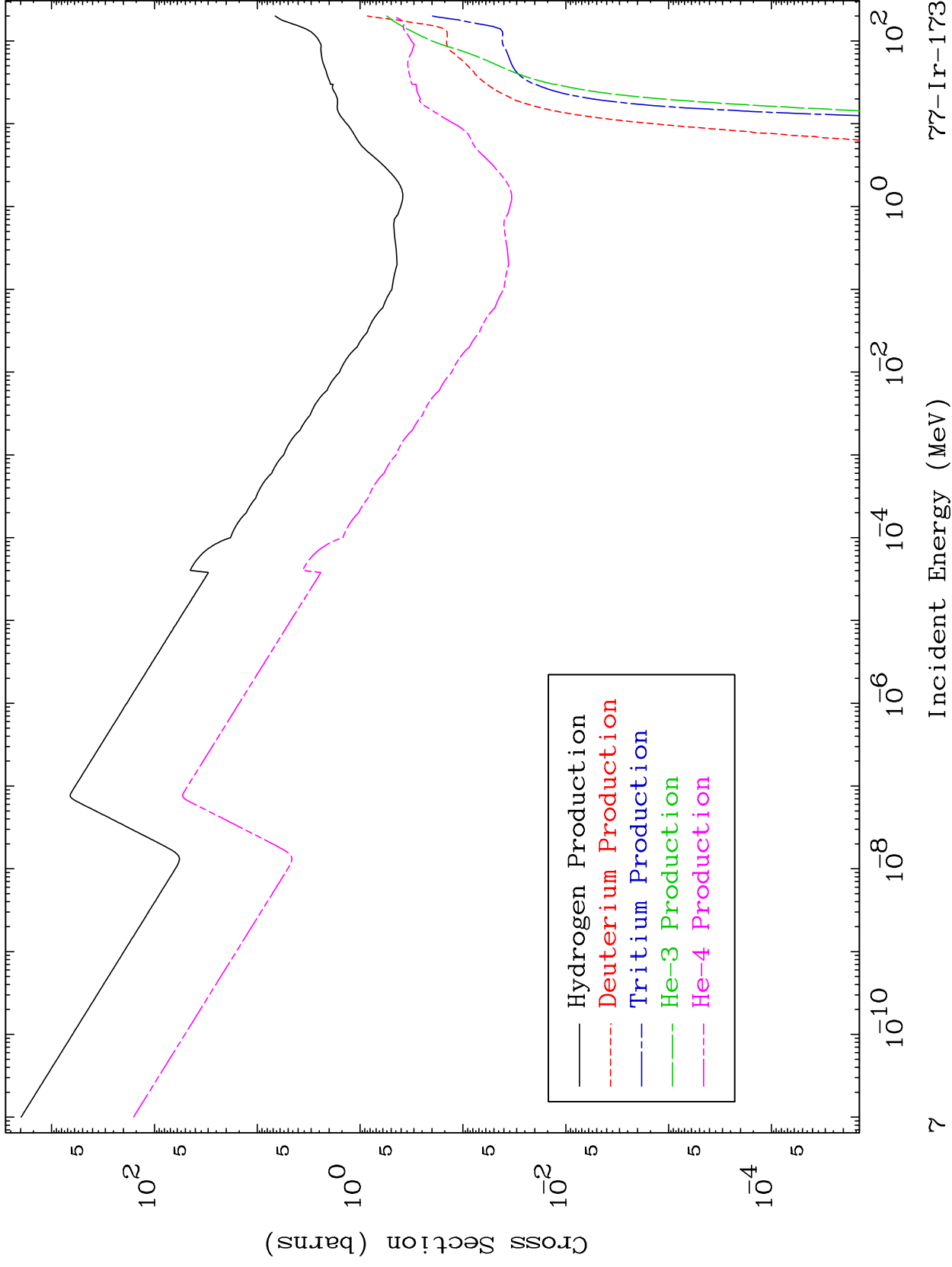
77-Ir-173



MAT 7671

Particle Production  
293 Kelvin Cross Sections

77-Ir-173



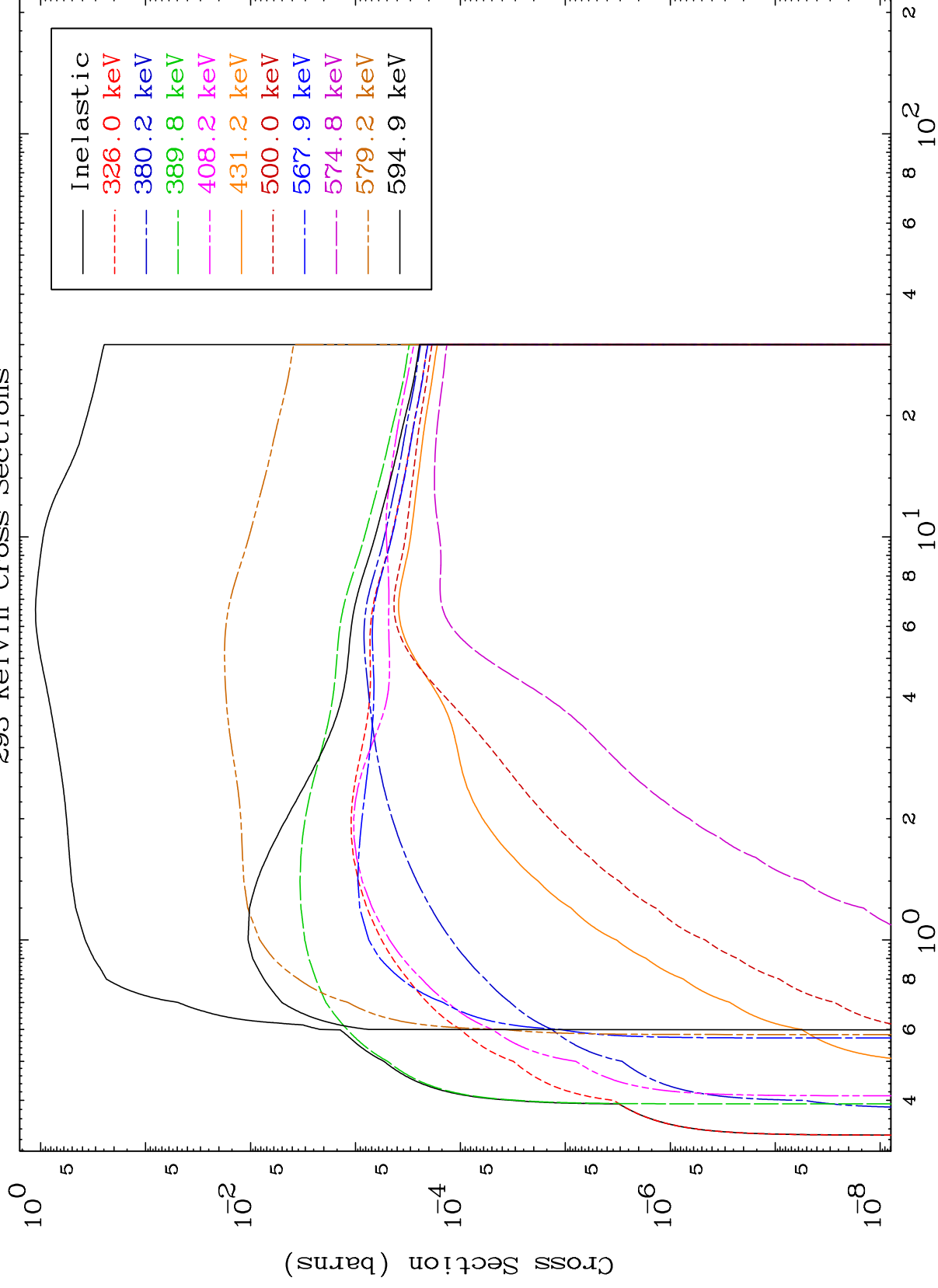


MAT 7671

(n,n') Level

293 Kelvin Cross Sections

77-Ir-173



8

Incident Energy (MeV)

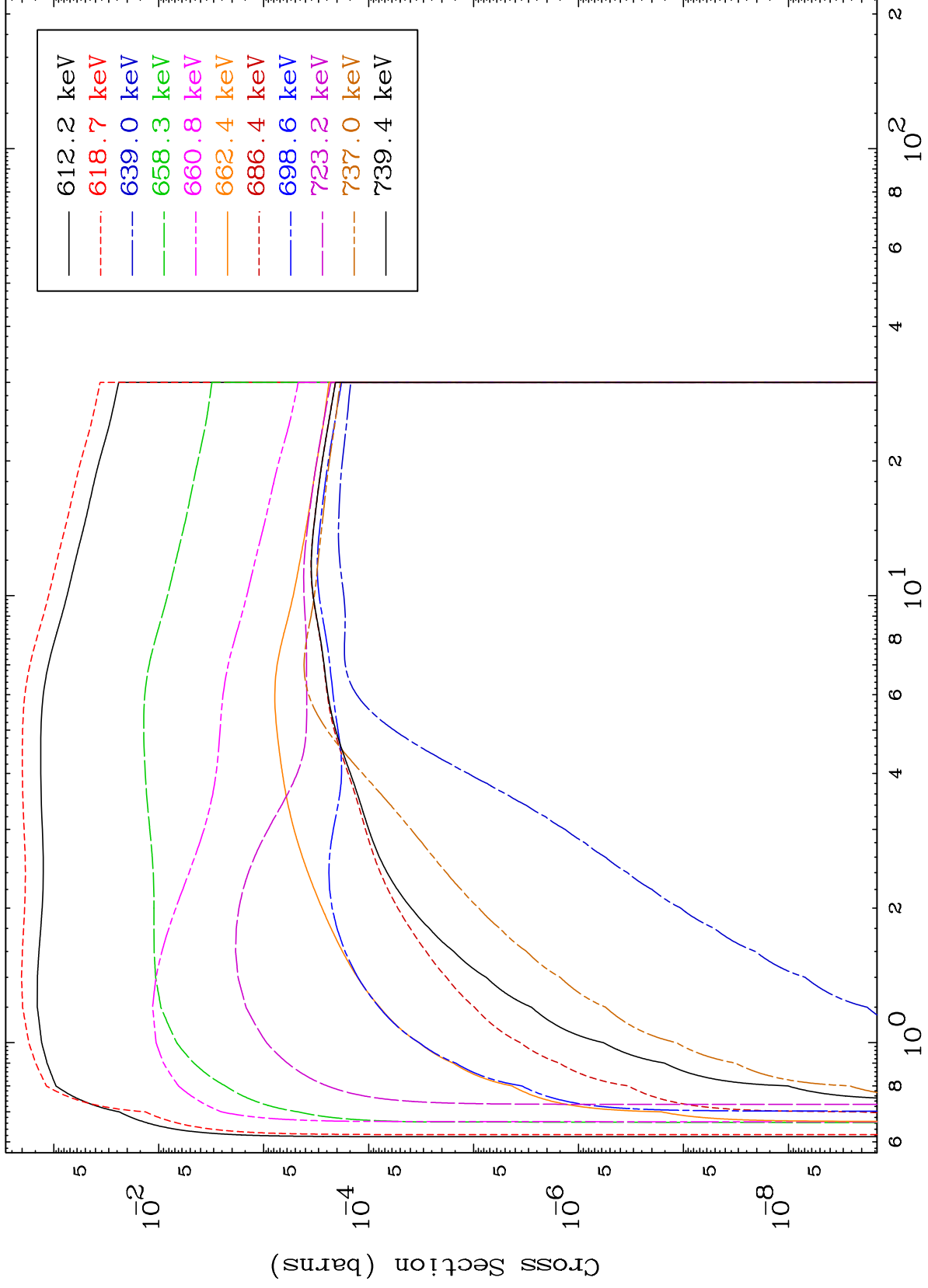
77-Ir-173

MAT 7671

(n,n') Level

77-Ir-173

293 Kelvin Cross Sections



9

Incident Energy (MeV)

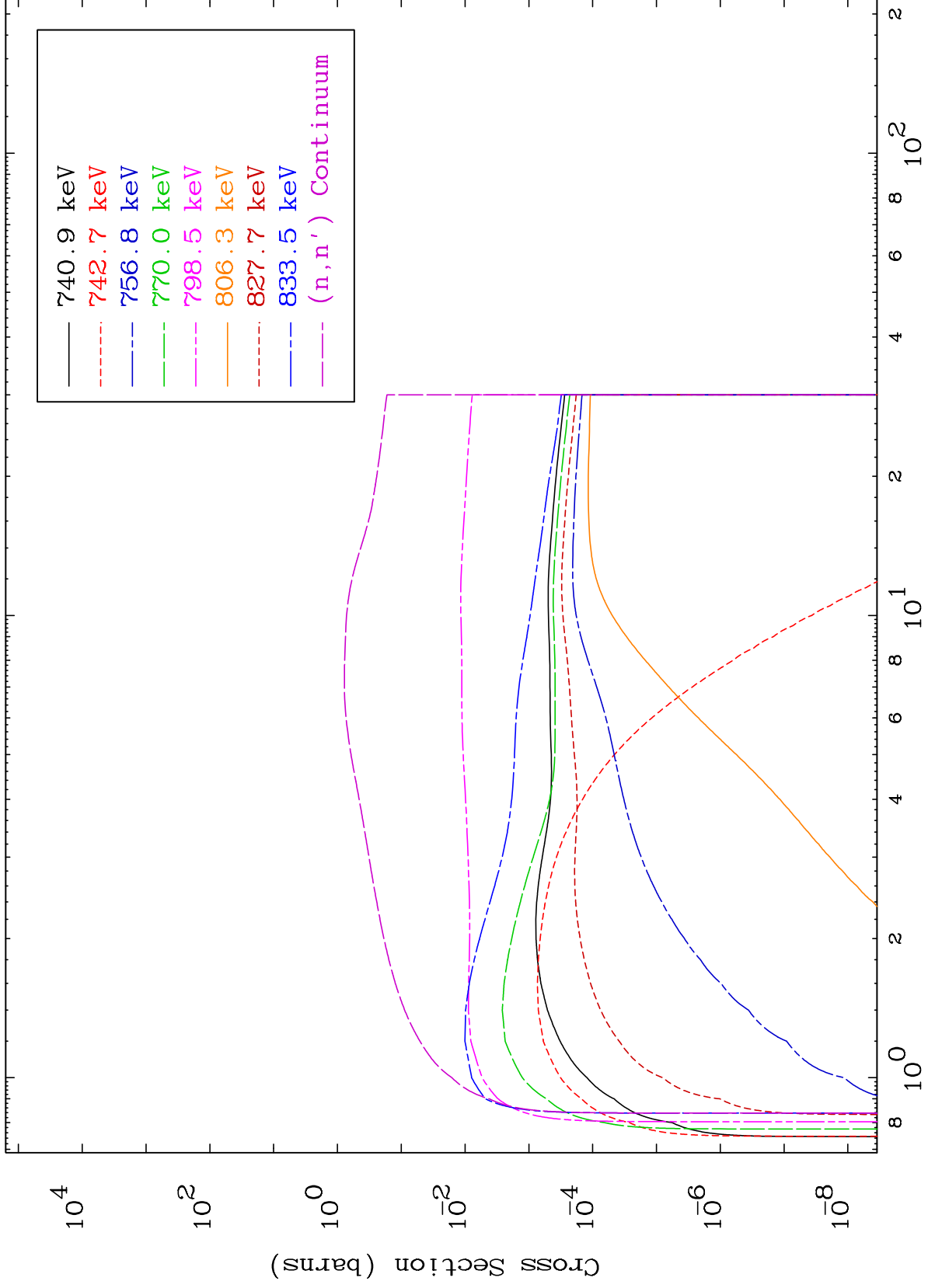
77-Ir-173

MAT 7671

(n,n') Level

77-Ir-173

293 Kelvin Cross Sections



10

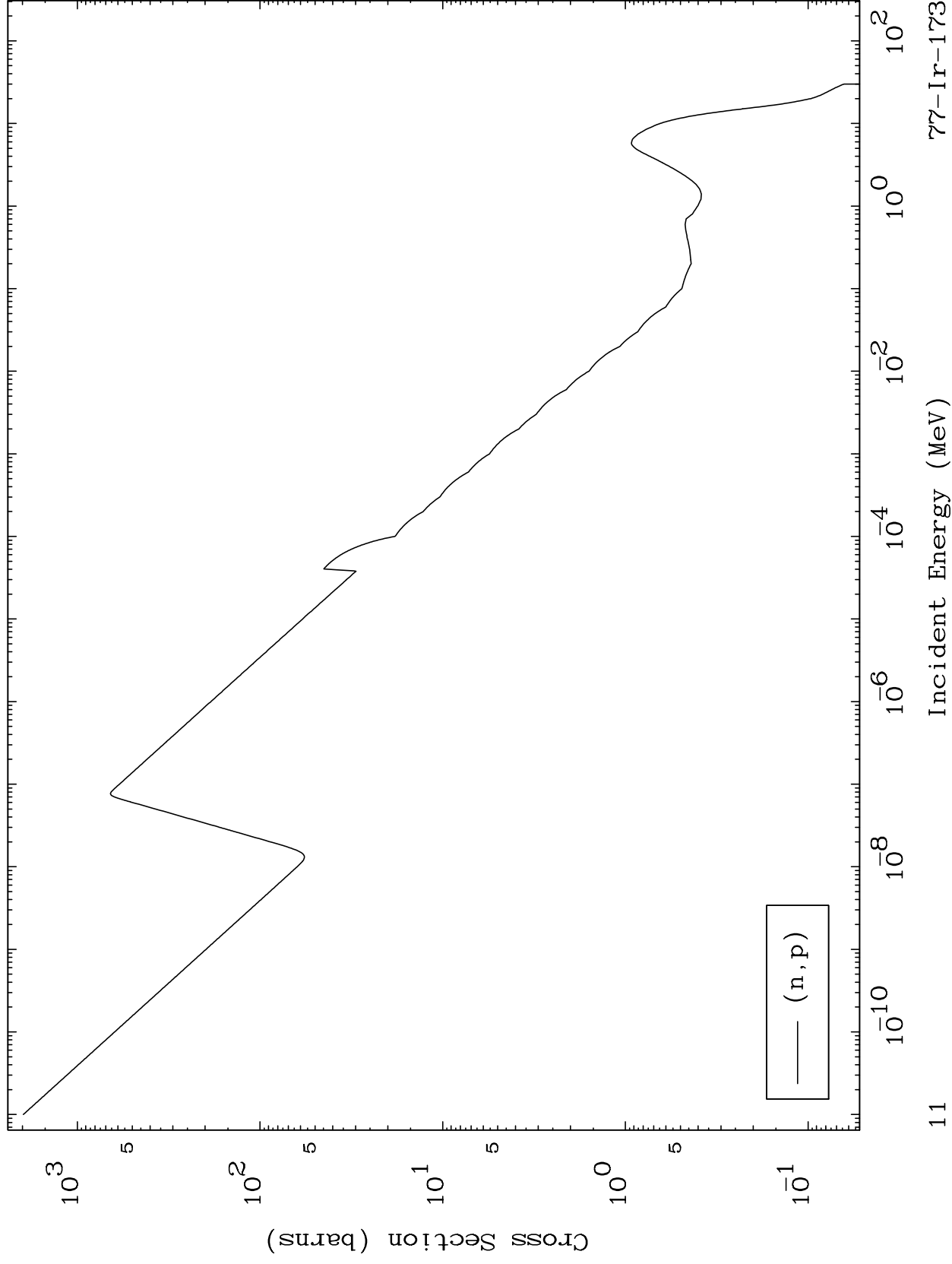
Incident Energy (MeV)

77-Ir-173

MAT 7671

(n,p) Levels  
293 Kelvin Cross Sections

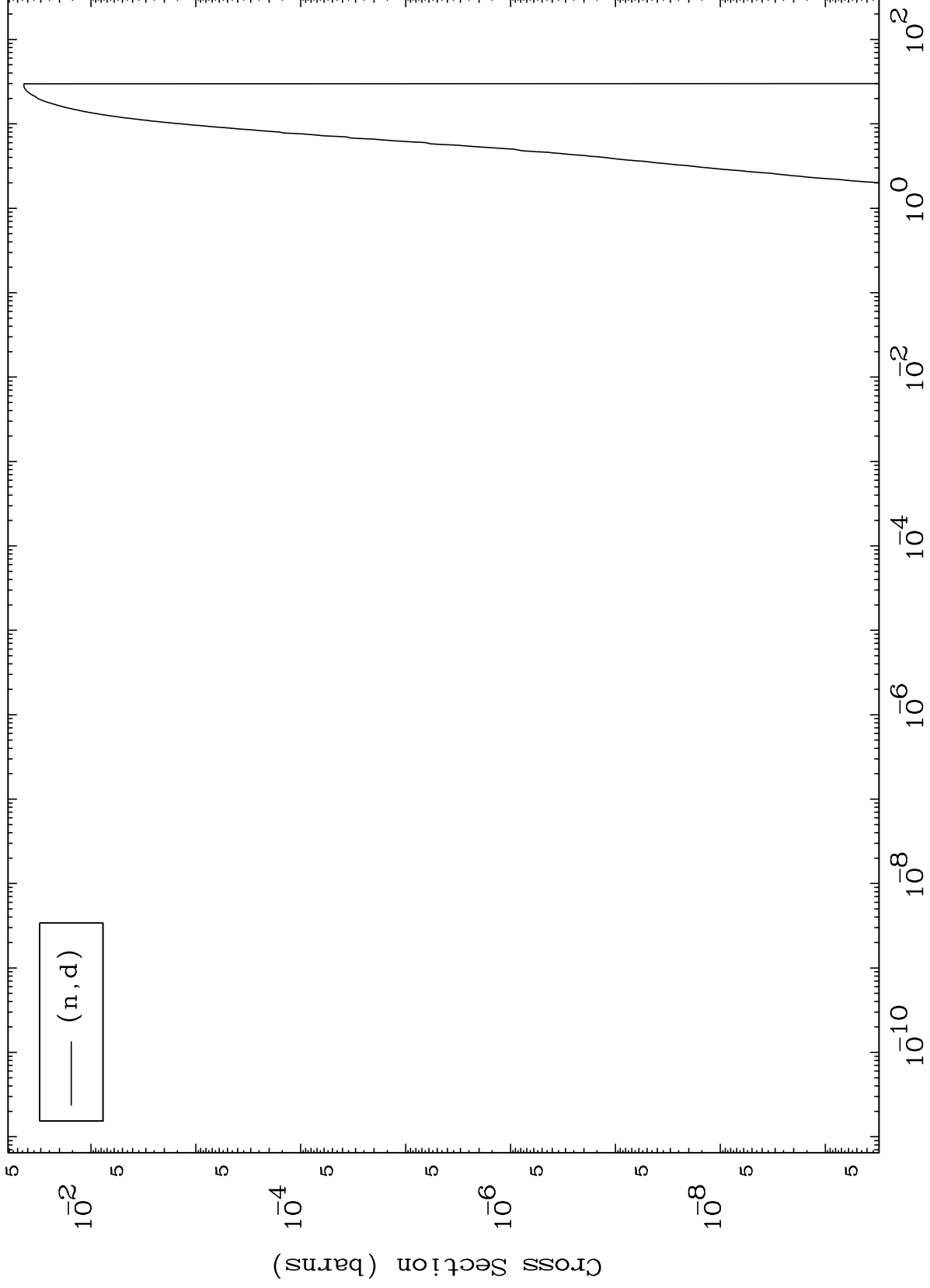
77-Ir-173



MAT 7671

(n,d) Levels  
293 Kelvin Cross Sections

77-Ir-173



12

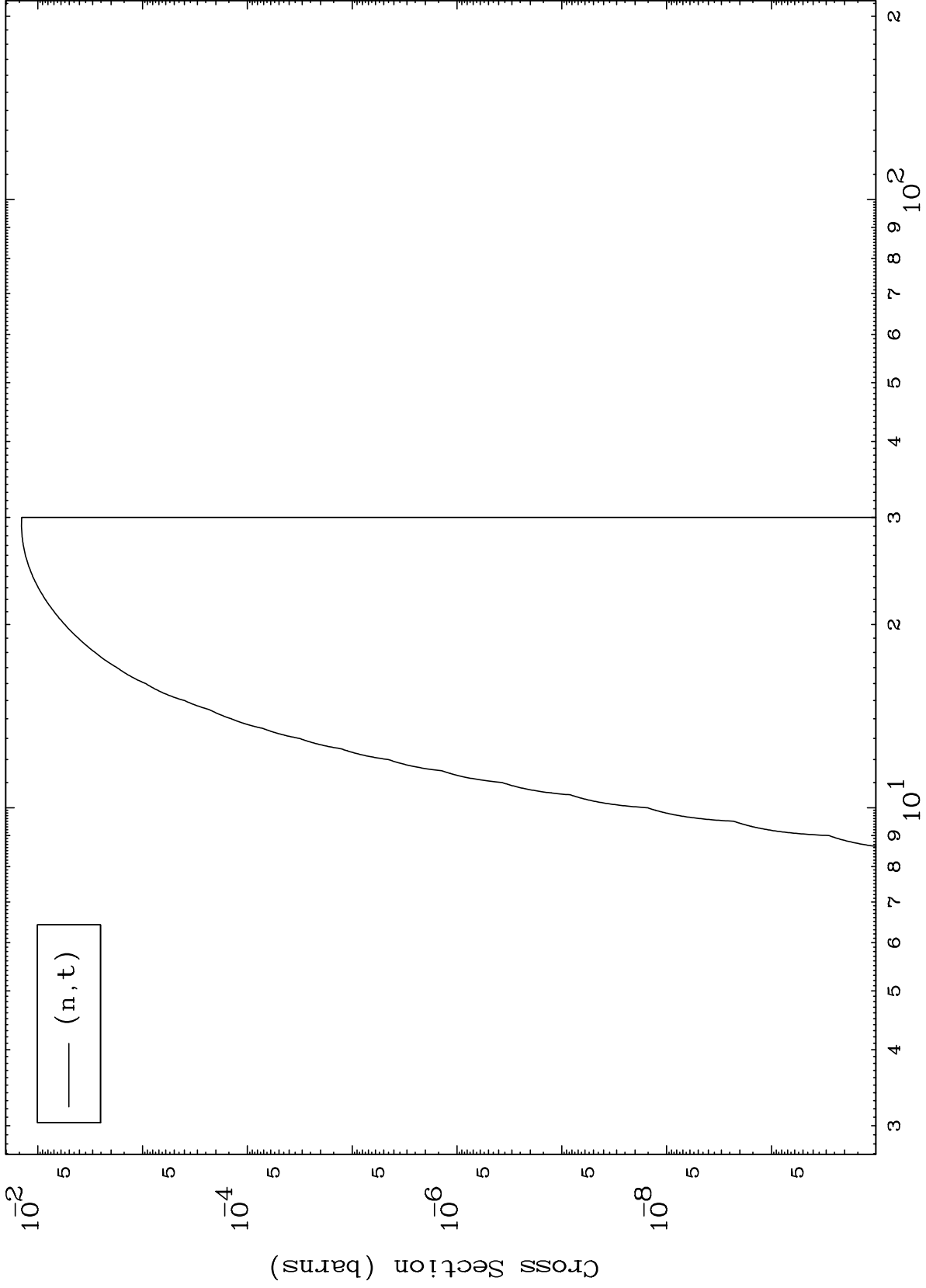
Incident Energy (MeV)

77-Ir-173

MAT 7671

(n,t) Levels  
293 Kelvin Cross Sections

77-Ir-173



13

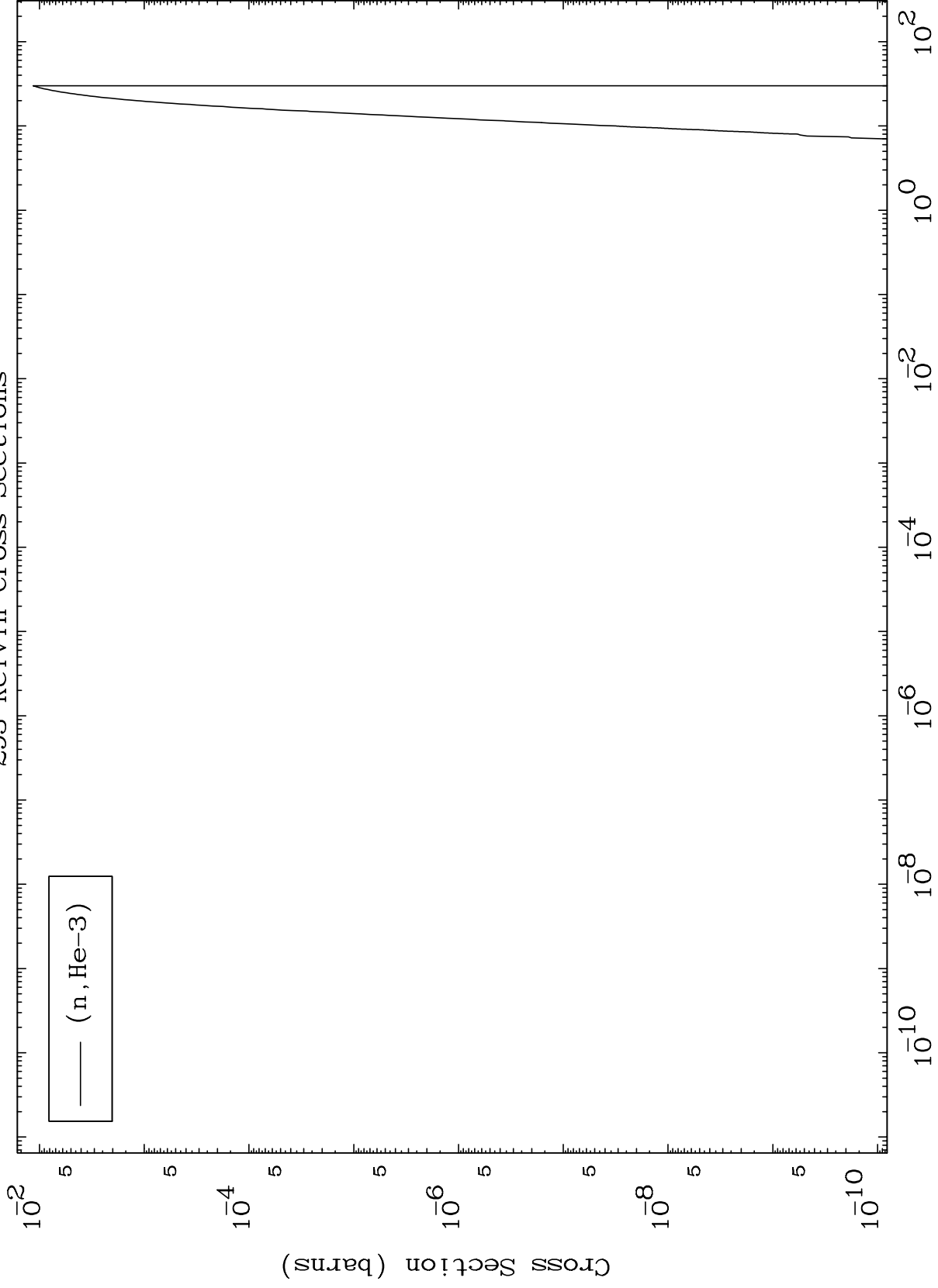
Incident Energy (MeV)

77-Ir-173

MAT 7671

(n,He3) Levels  
293 Kelvin Cross Sections

77-Ir-173



14

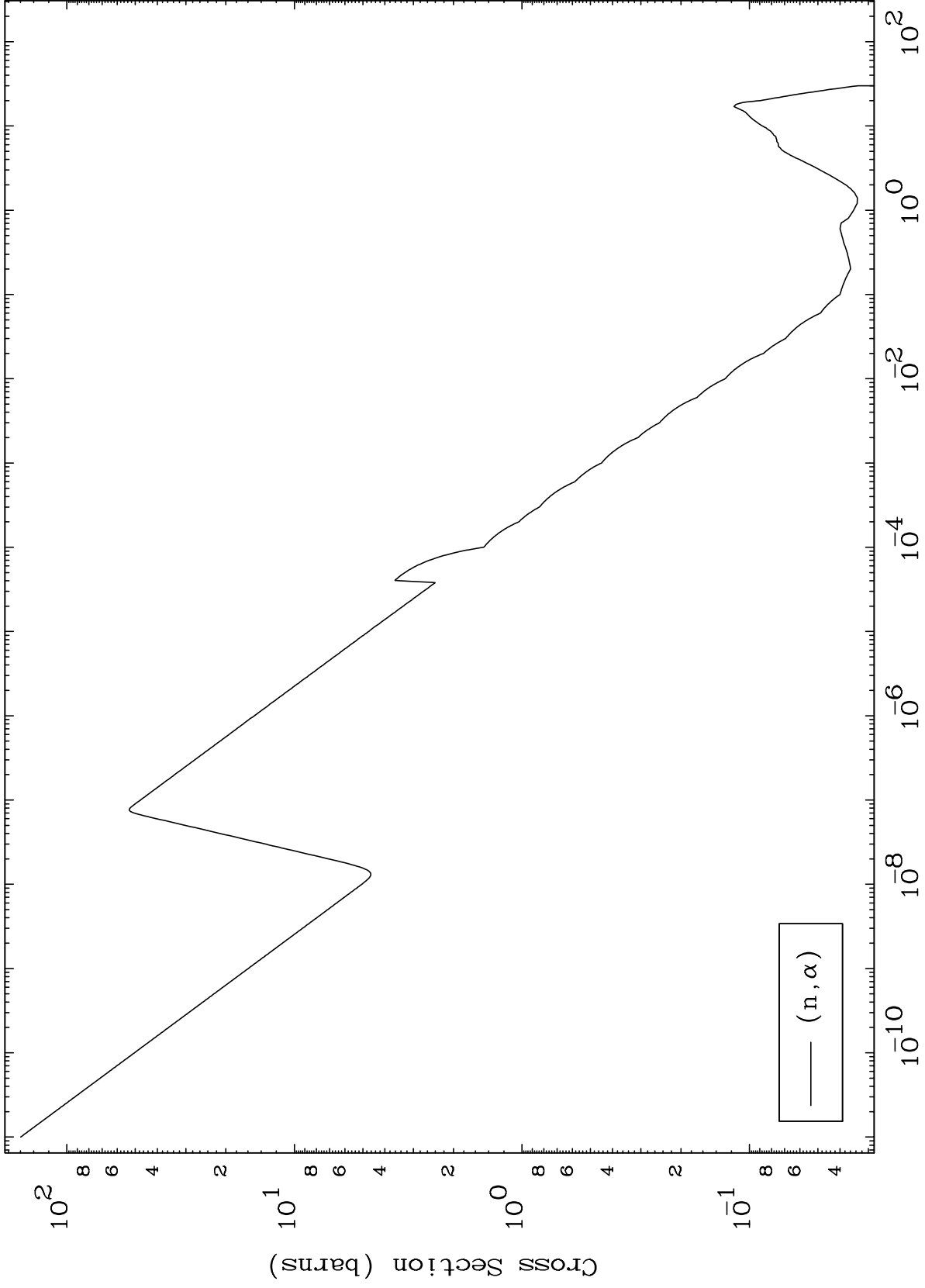
Incident Energy (MeV)

77-Ir-173

MAT 7671

(n,α) Levels  
293 Kelvin Cross Sections

77-Ir-173

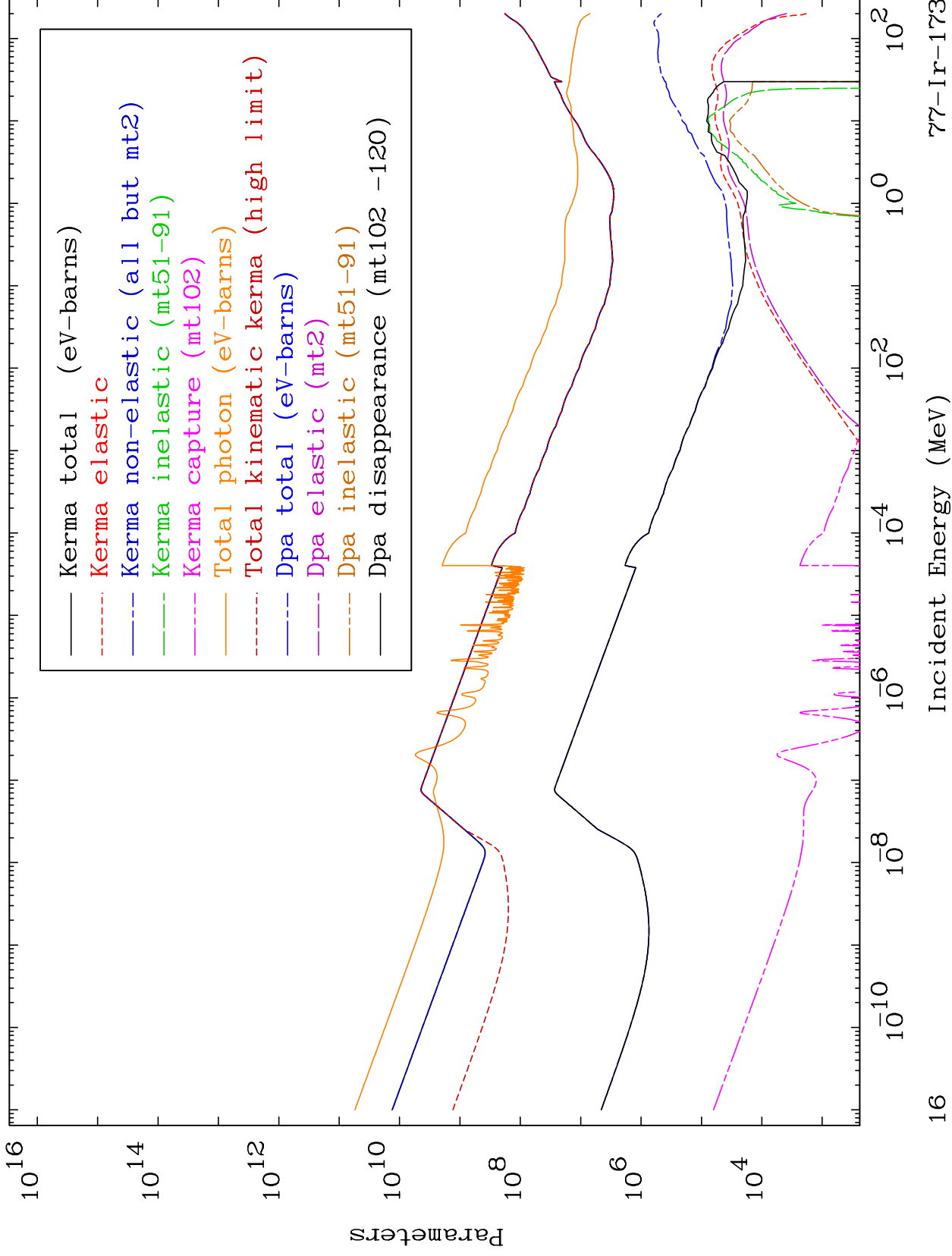


15

Incident Energy (MeV)

77-Ir-173

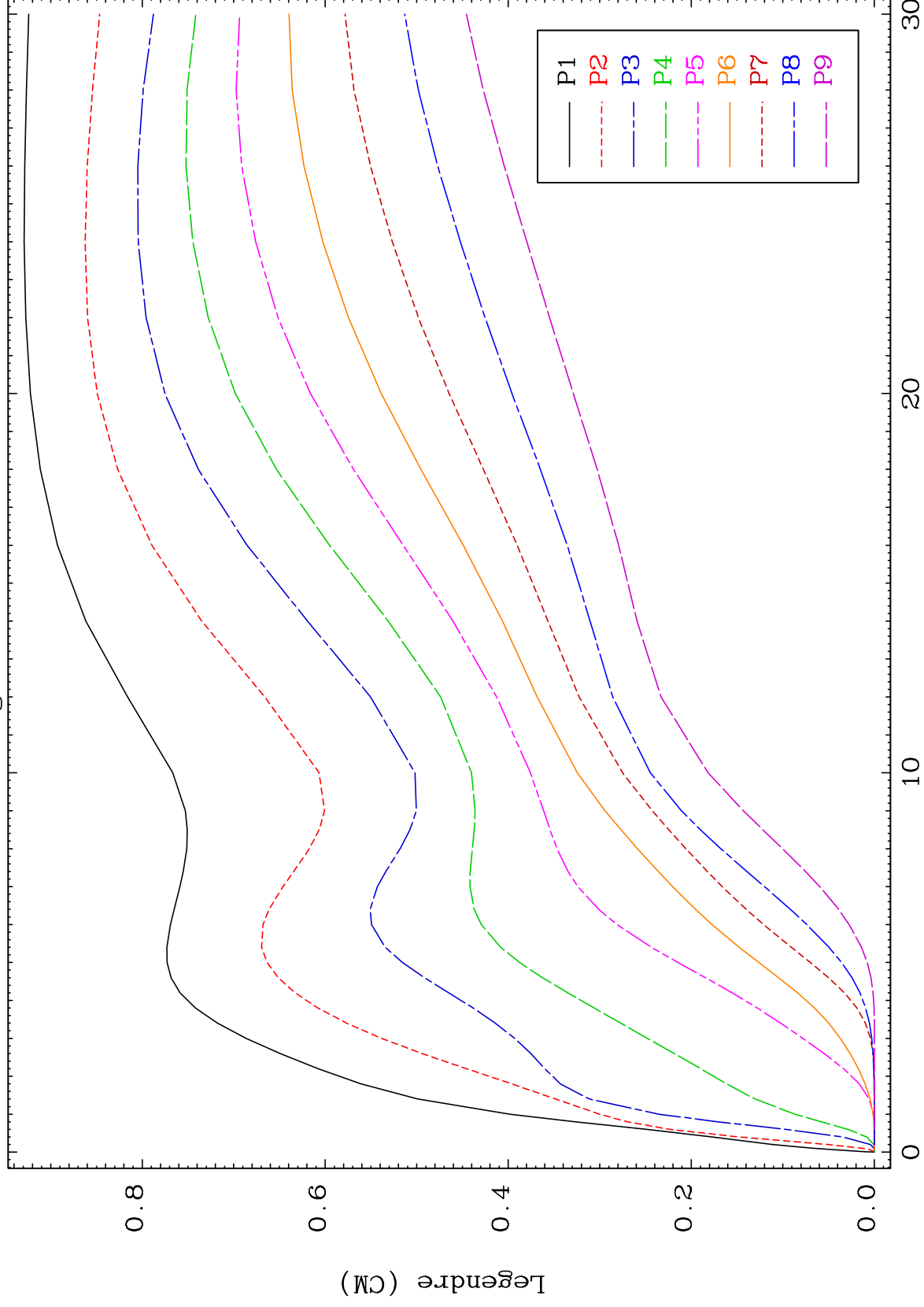




MAT 7671

Elastic Legendre Coefficients

77-Ir-173



17

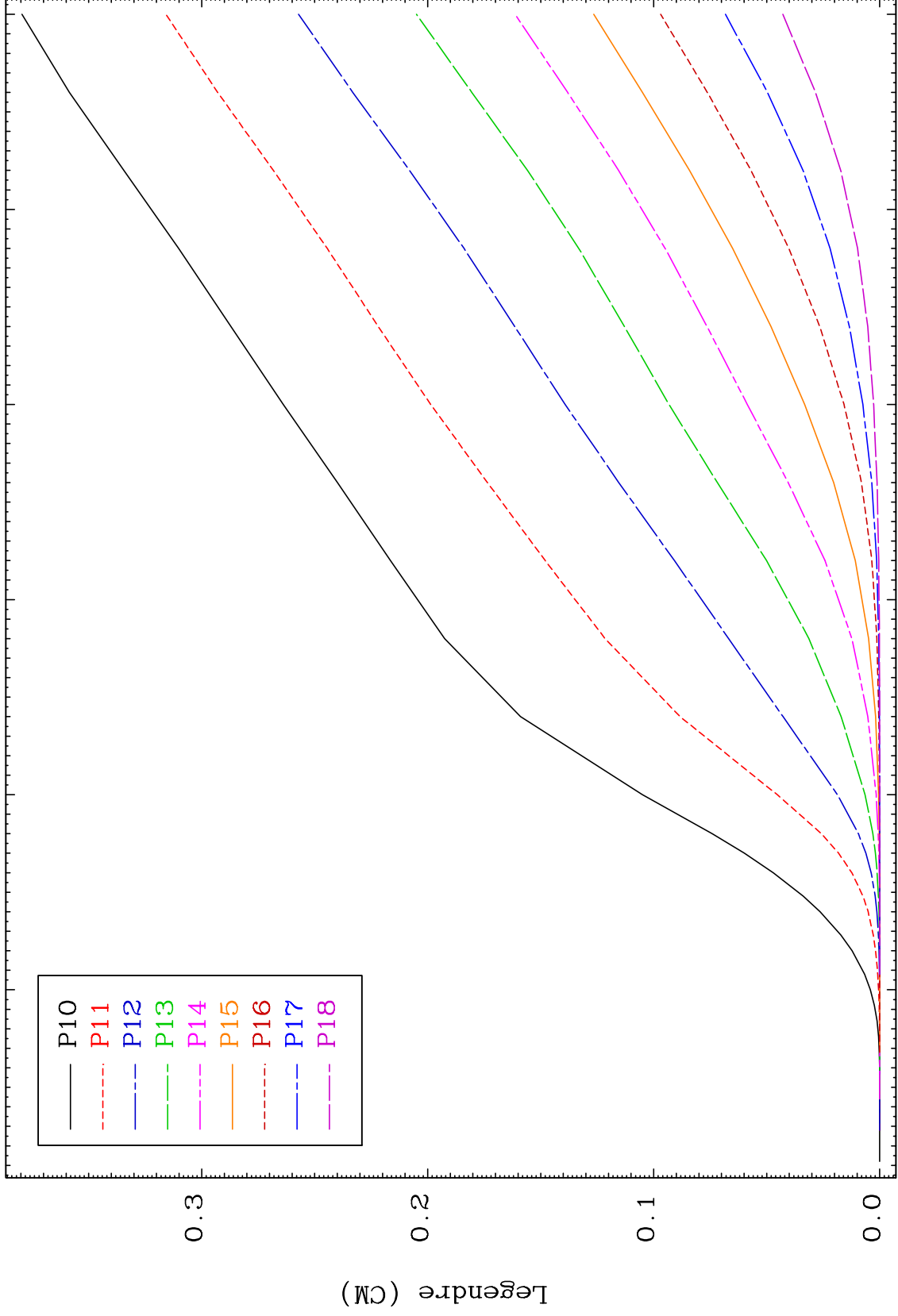
Incident Energy (MeV)

77-Ir-173

MAT 7671

Elastic Legendre Coefficients

<sup>77</sup>Ir-173



18

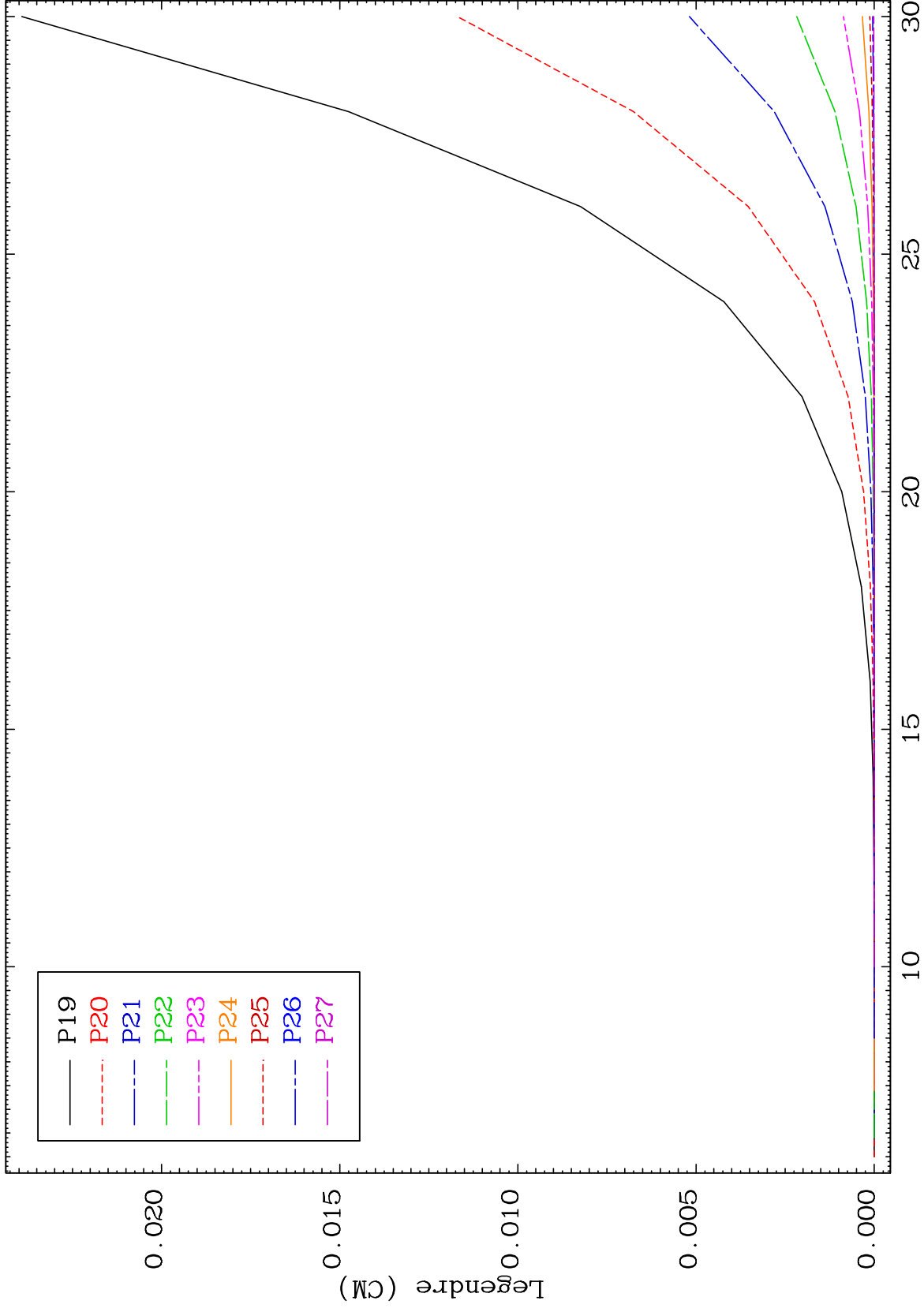
Incident Energy (MeV)

<sup>77</sup>Ir-173

MAT 7671

### Elastic Legendre Coefficients

77-Ir-173



19

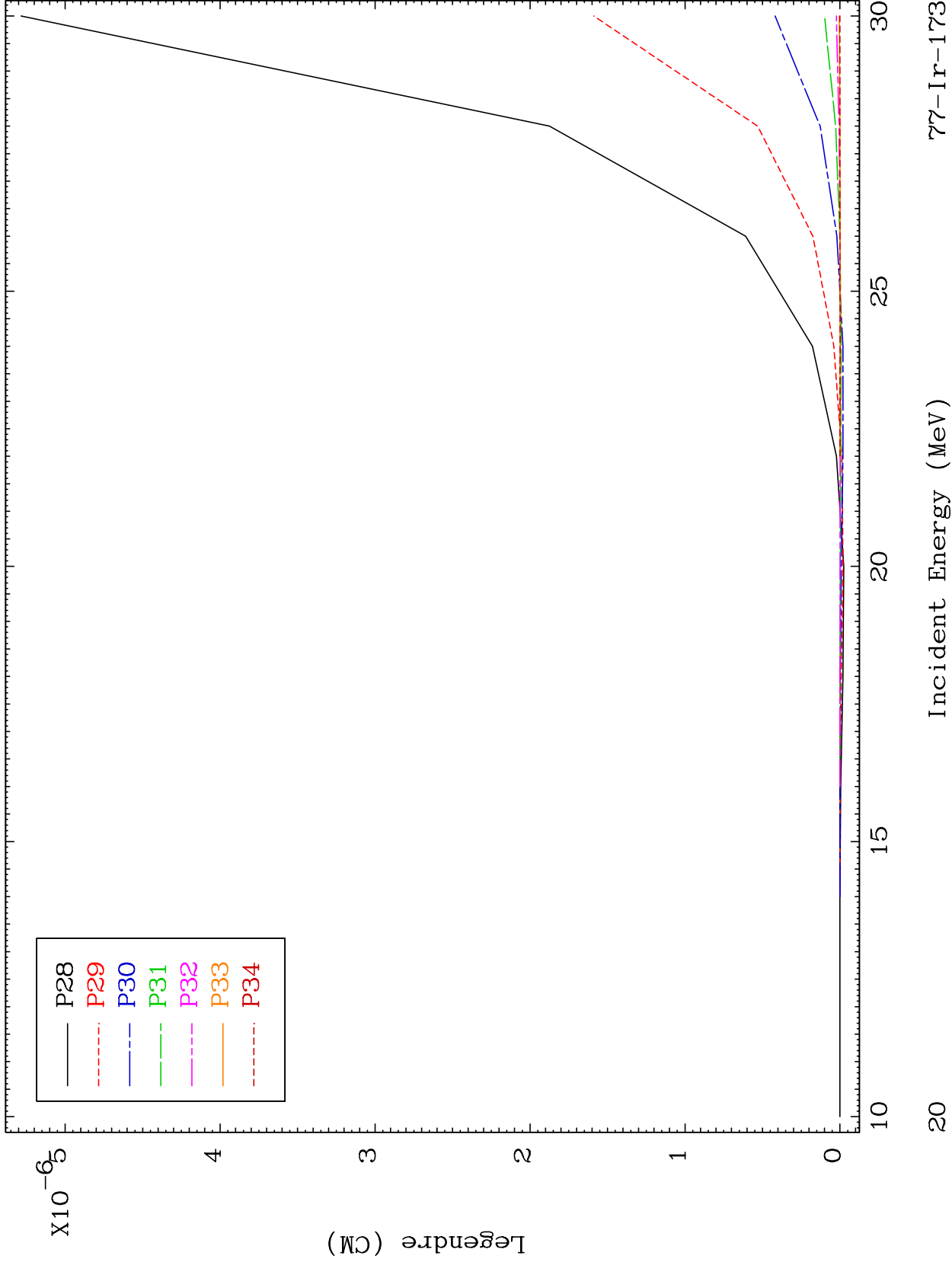
Incident Energy (MeV)

77-Ir-173

MAT 7671

Elastic  
Legendre Coefficients

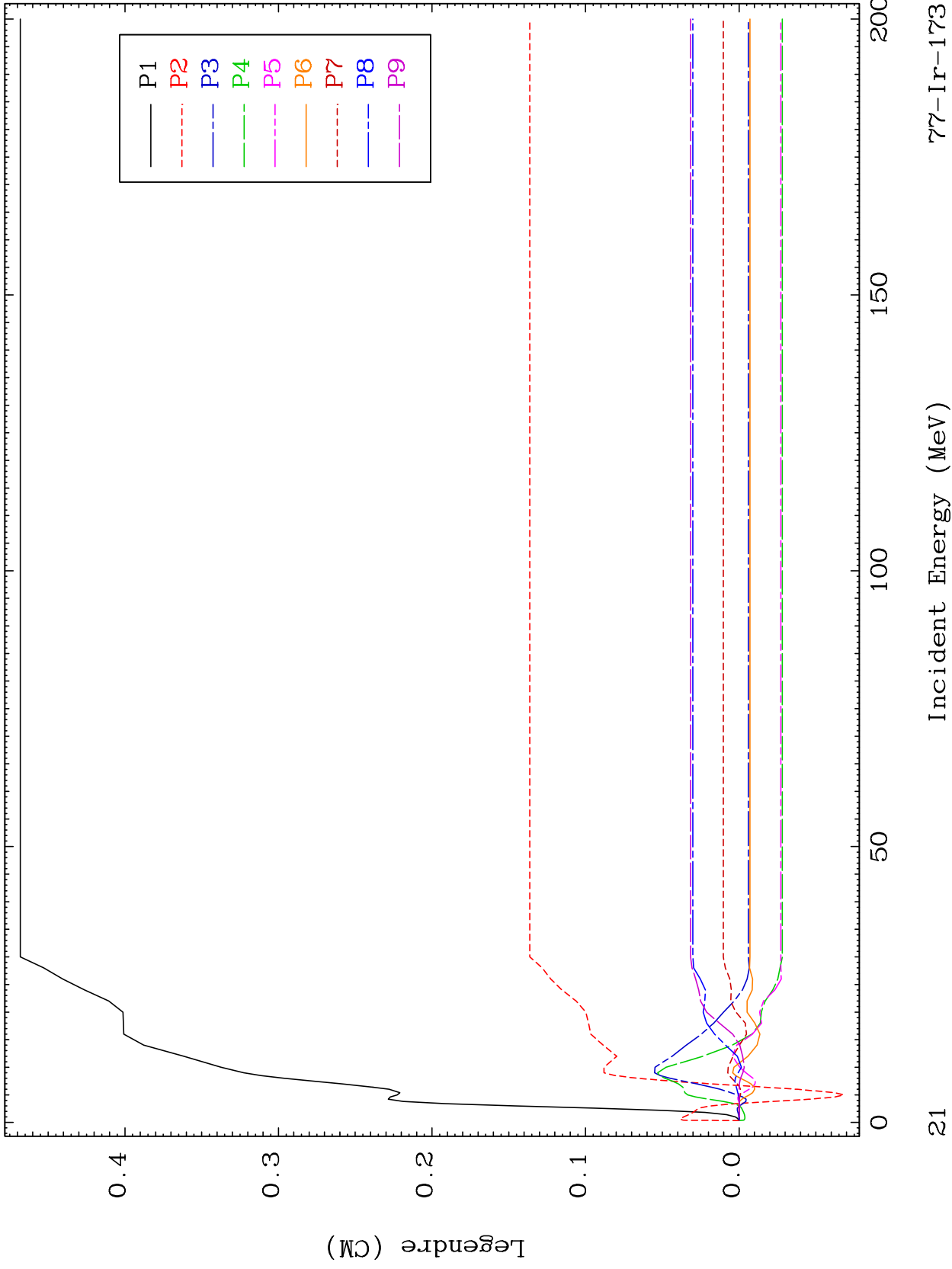
<sup>77</sup>Ir-173



<sup>77</sup>Ir-173

Incident Energy (MeV)

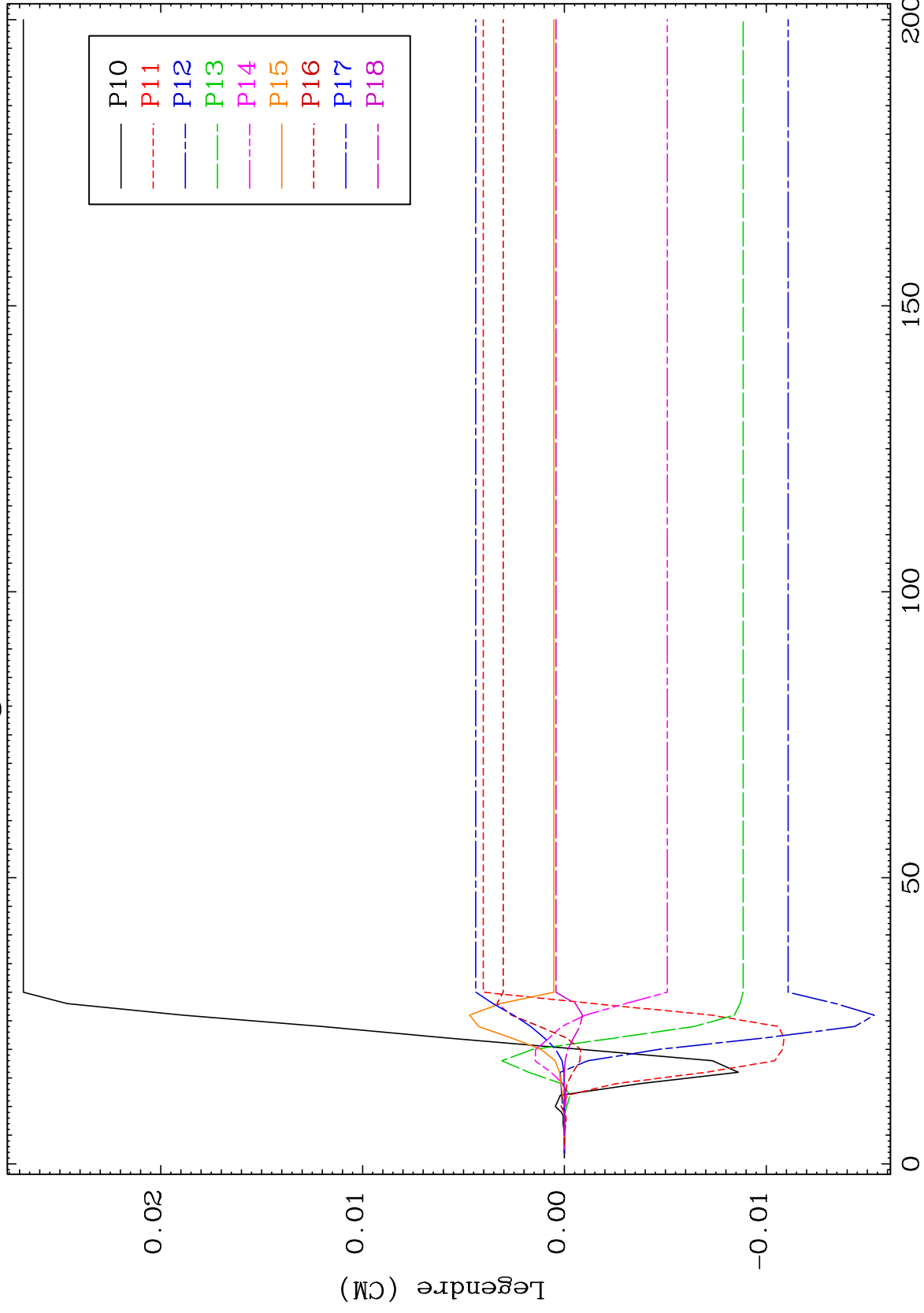
20



MAT 7671

326.0 keV (n,n') Level  
Legendre Coefficients

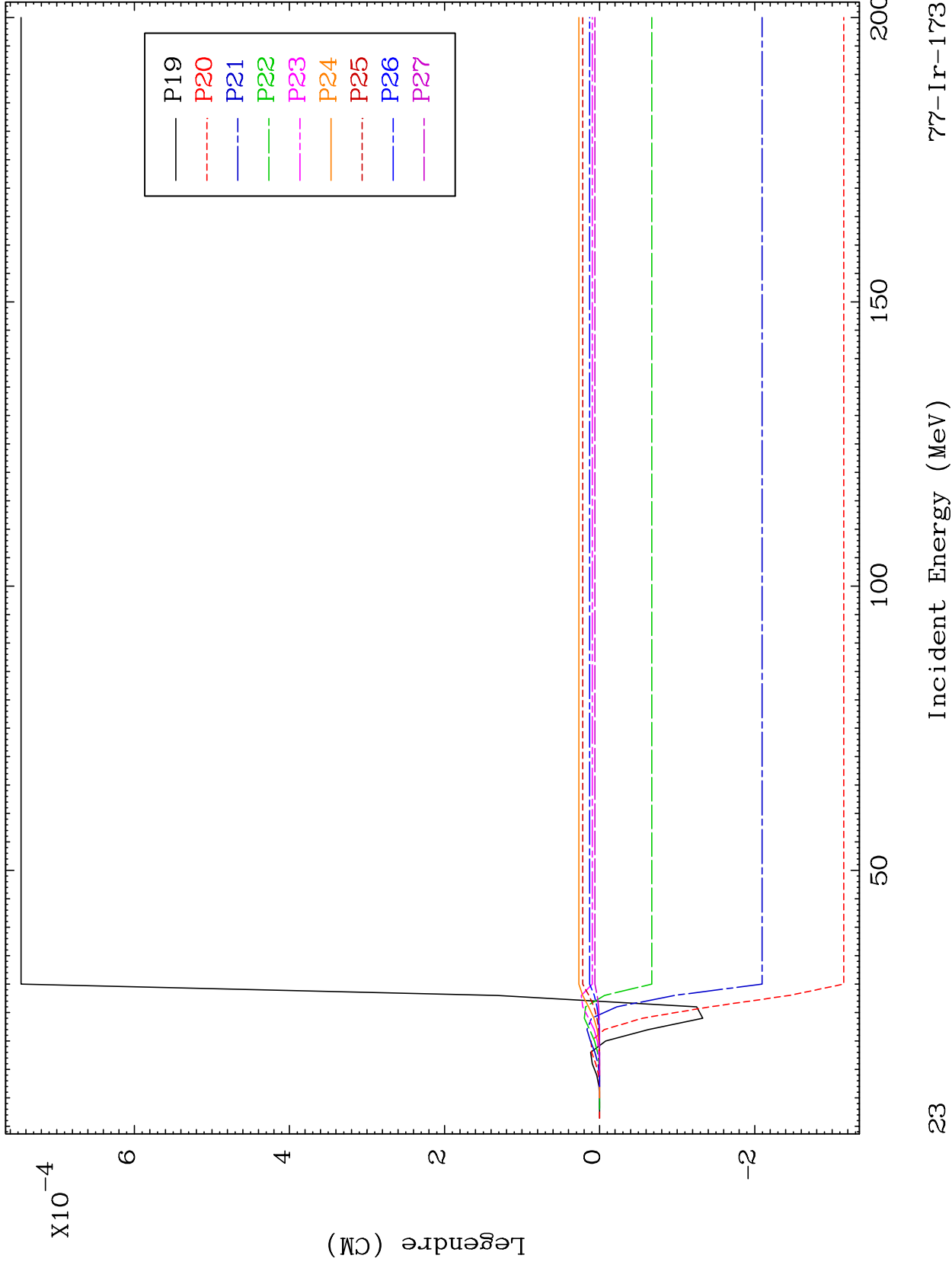
77-Ir-173



22

Incident Energy (MeV)

77-Ir-173

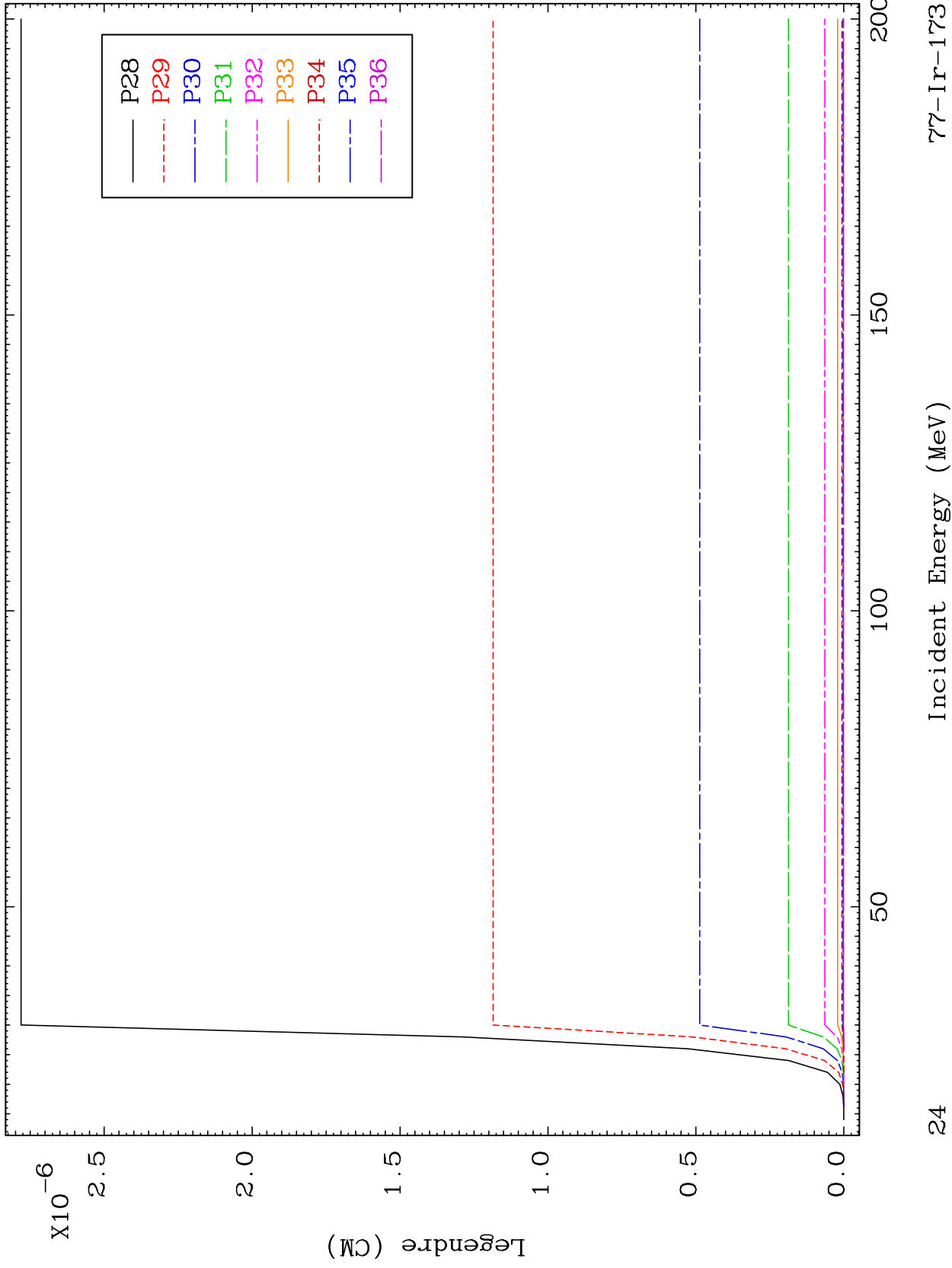




MAT 7671

326.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



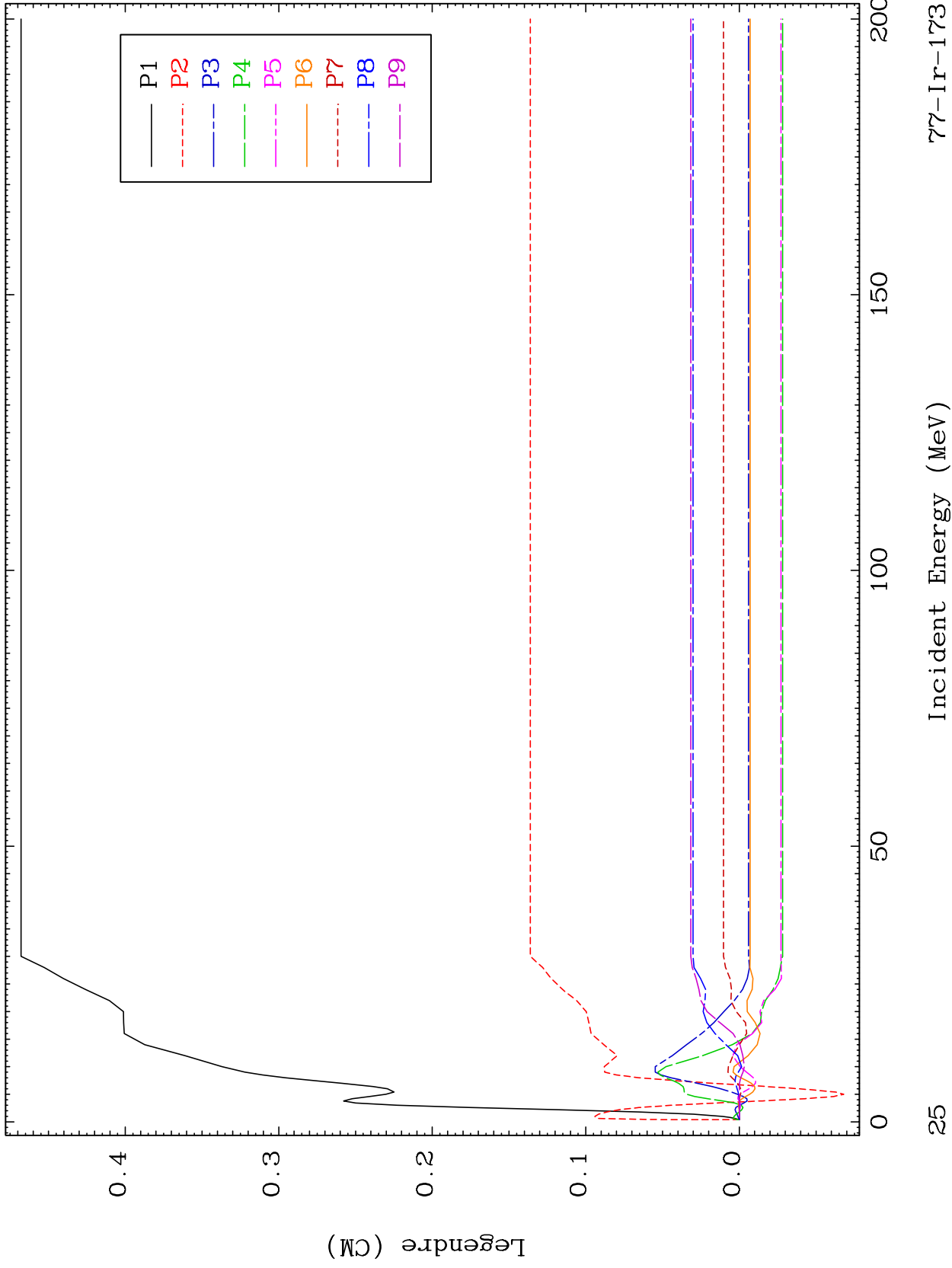
24

77-Ir-173

MAT 7671

380.2 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



77-Ir-173

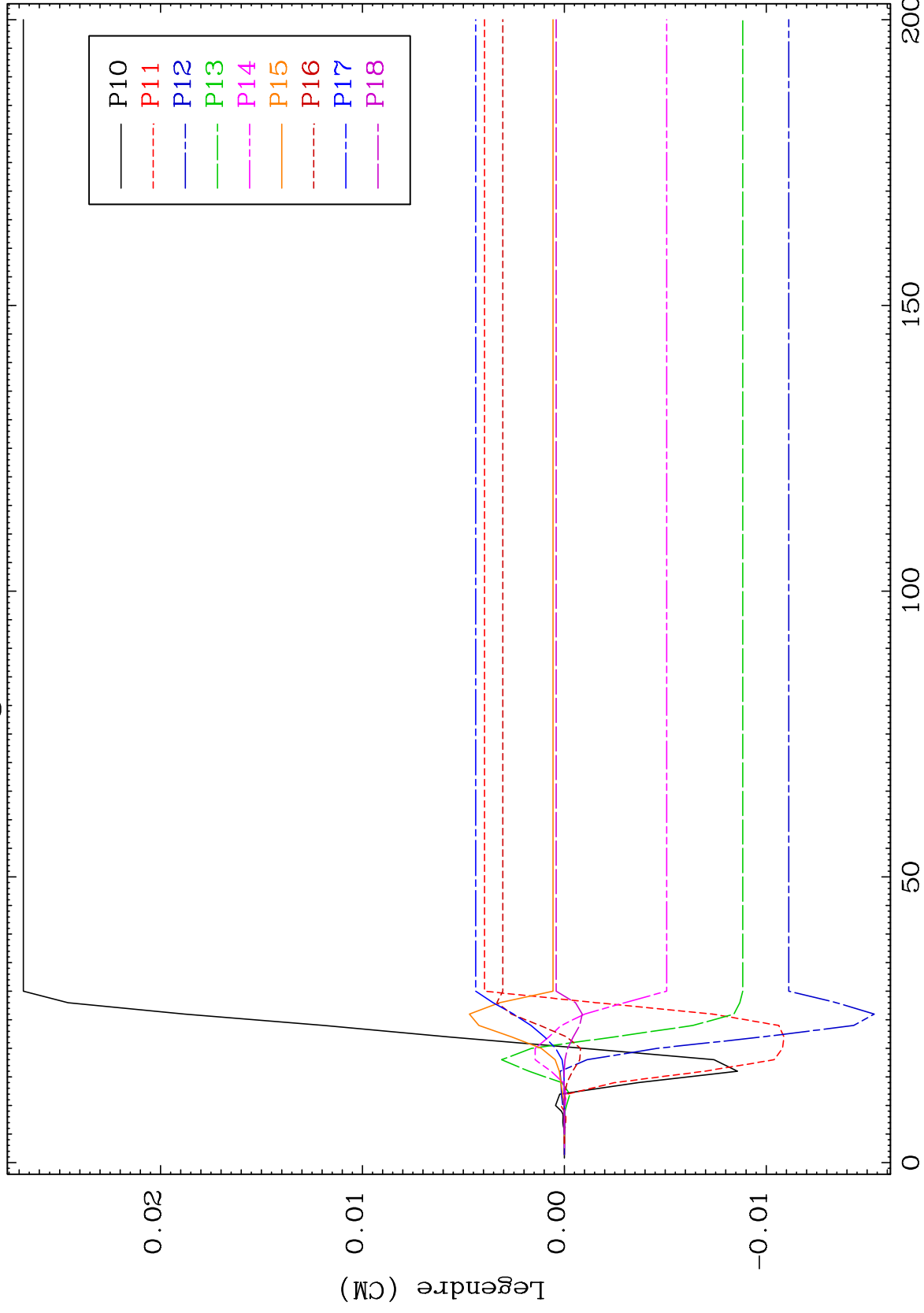
Incident Energy (MeV)

25

MAT 7671

380.2 keV (n,n') Level  
Legendre Coefficients

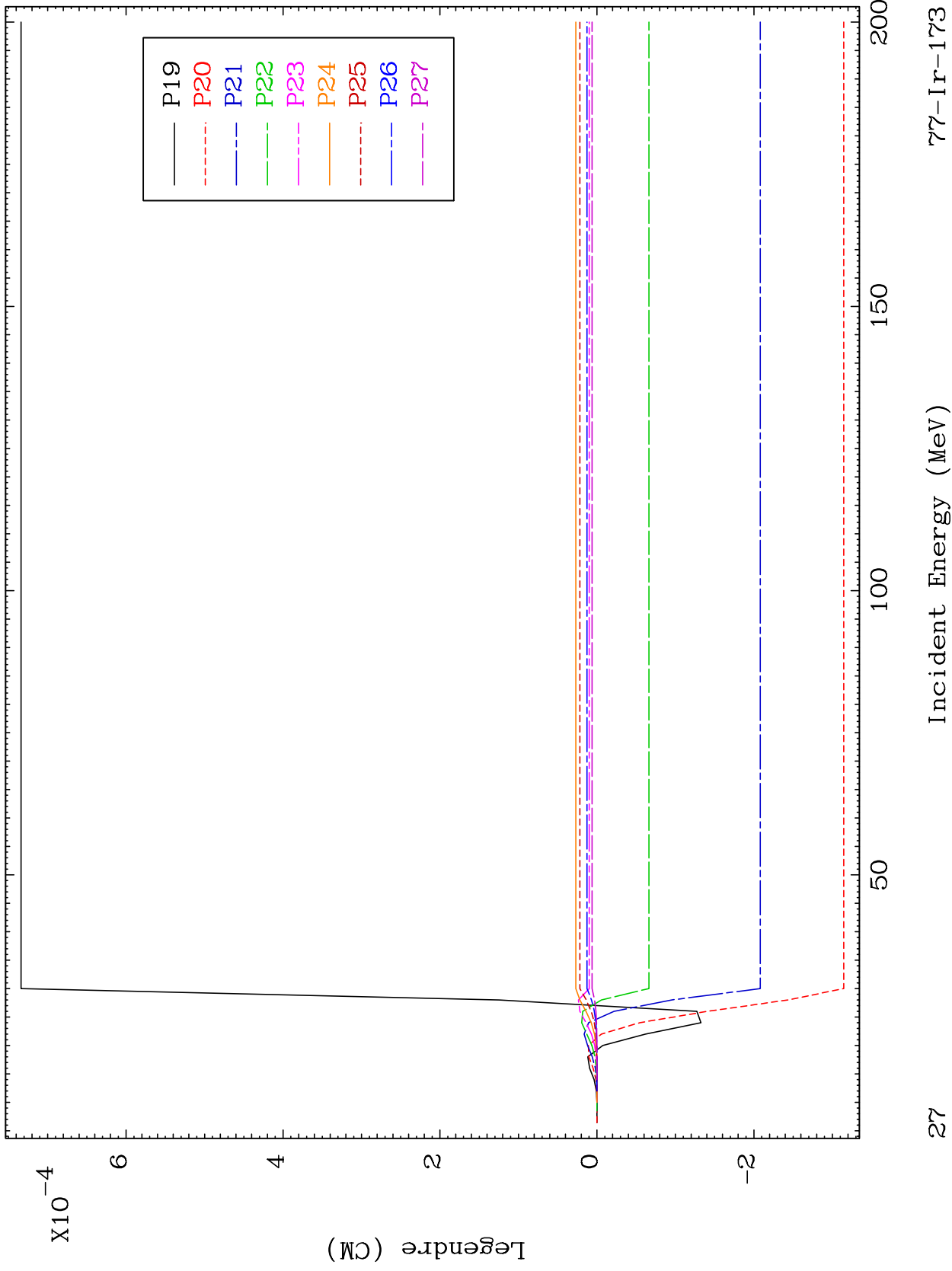
77-Ir-173



26

Incident Energy (MeV)

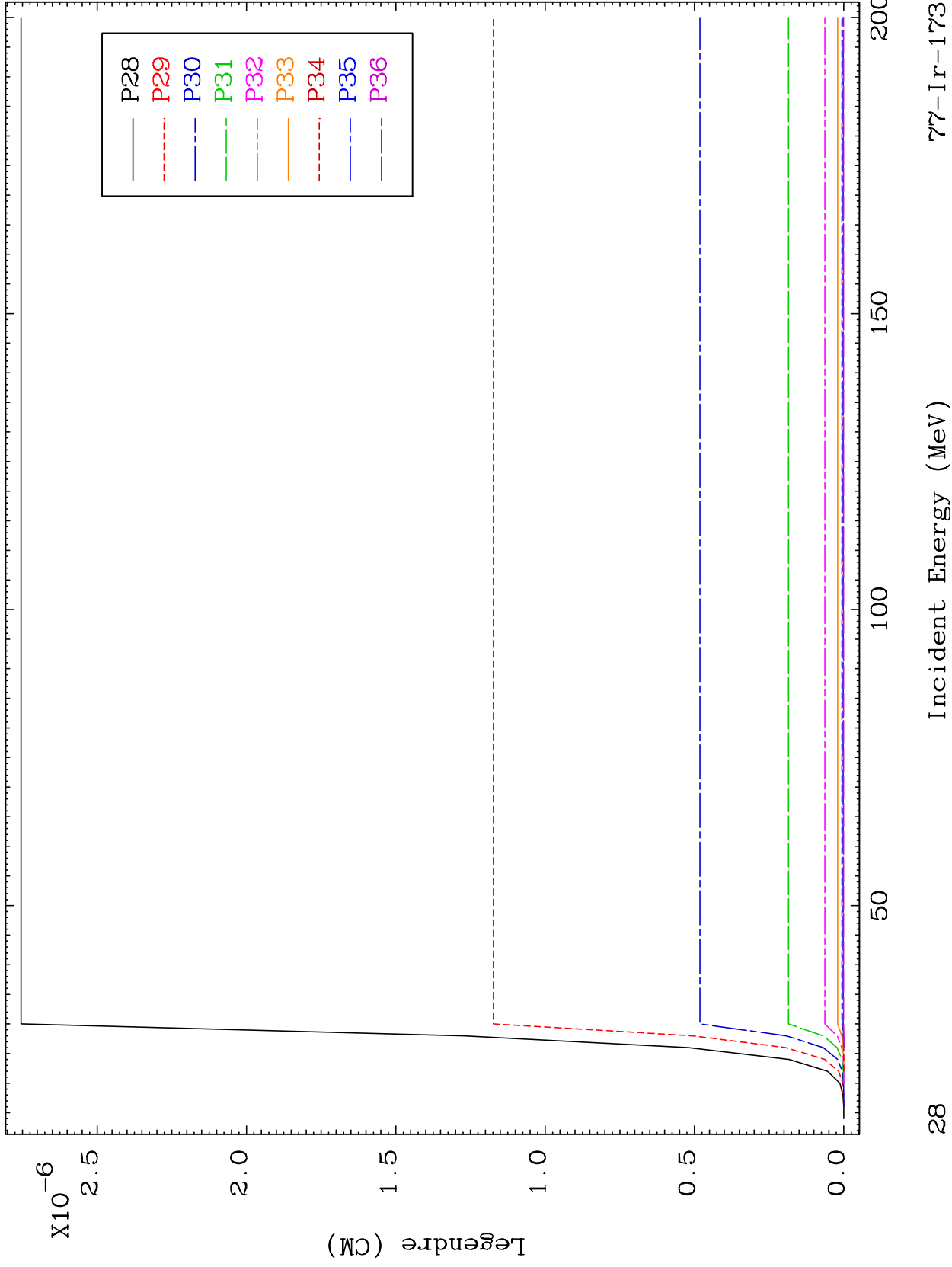
77-Ir-173



MAT 7671

380.2 keV (n,n') Level  
Legendre Coefficients

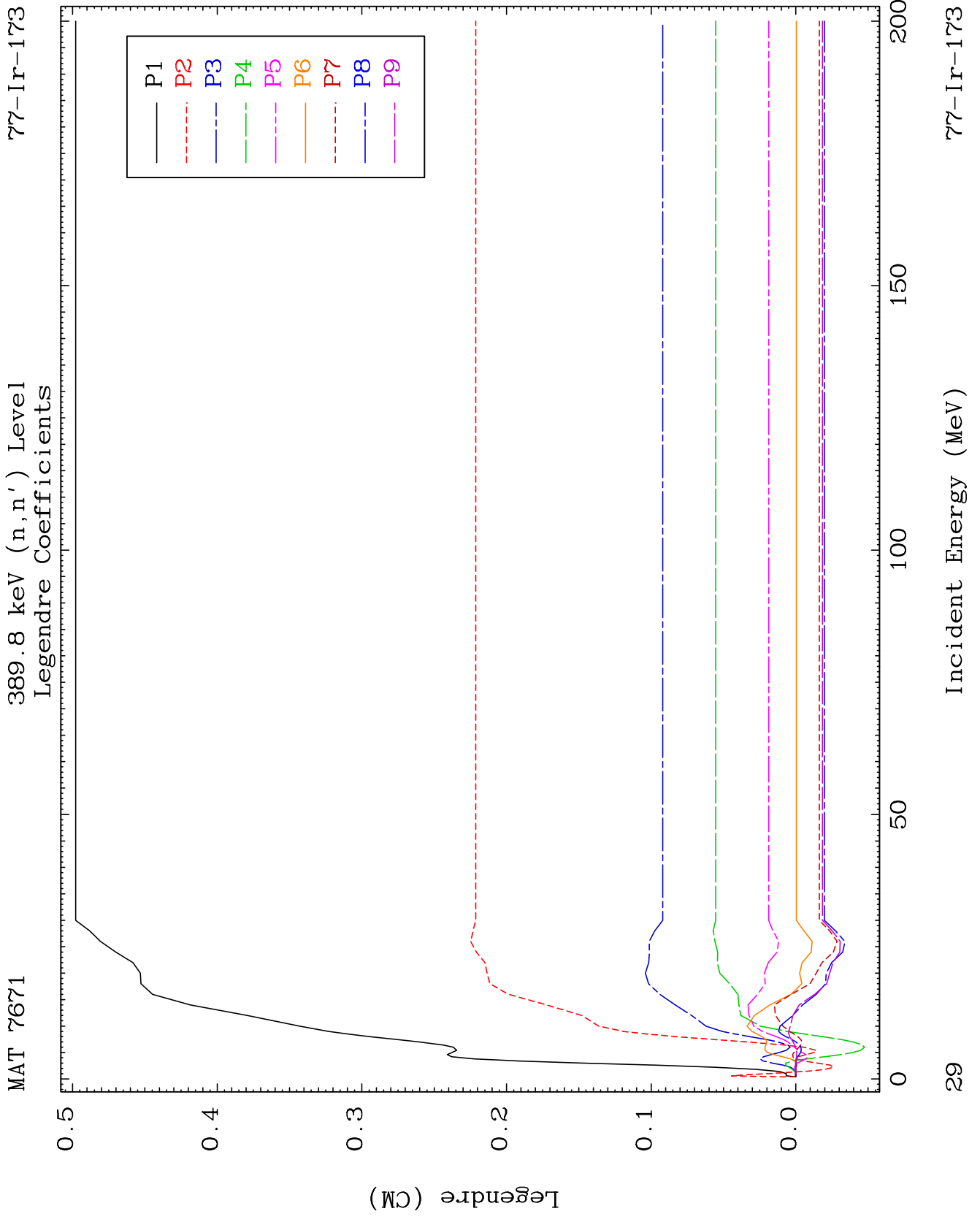
77-Ir-173



28

Incident Energy (MeV)

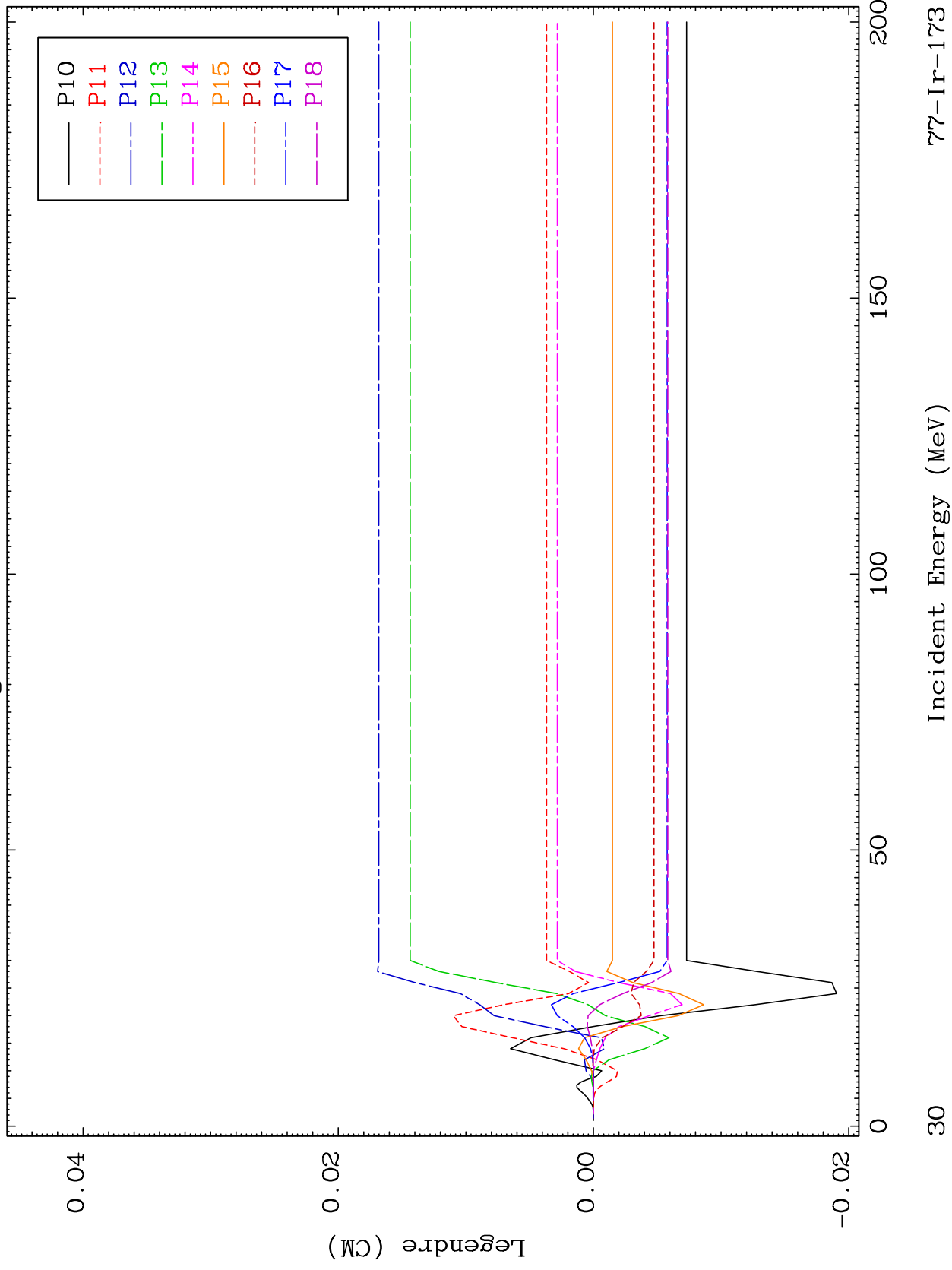
77-Ir-173



MAT 7671

389.8 keV (n,n') Level  
Legendre Coefficients

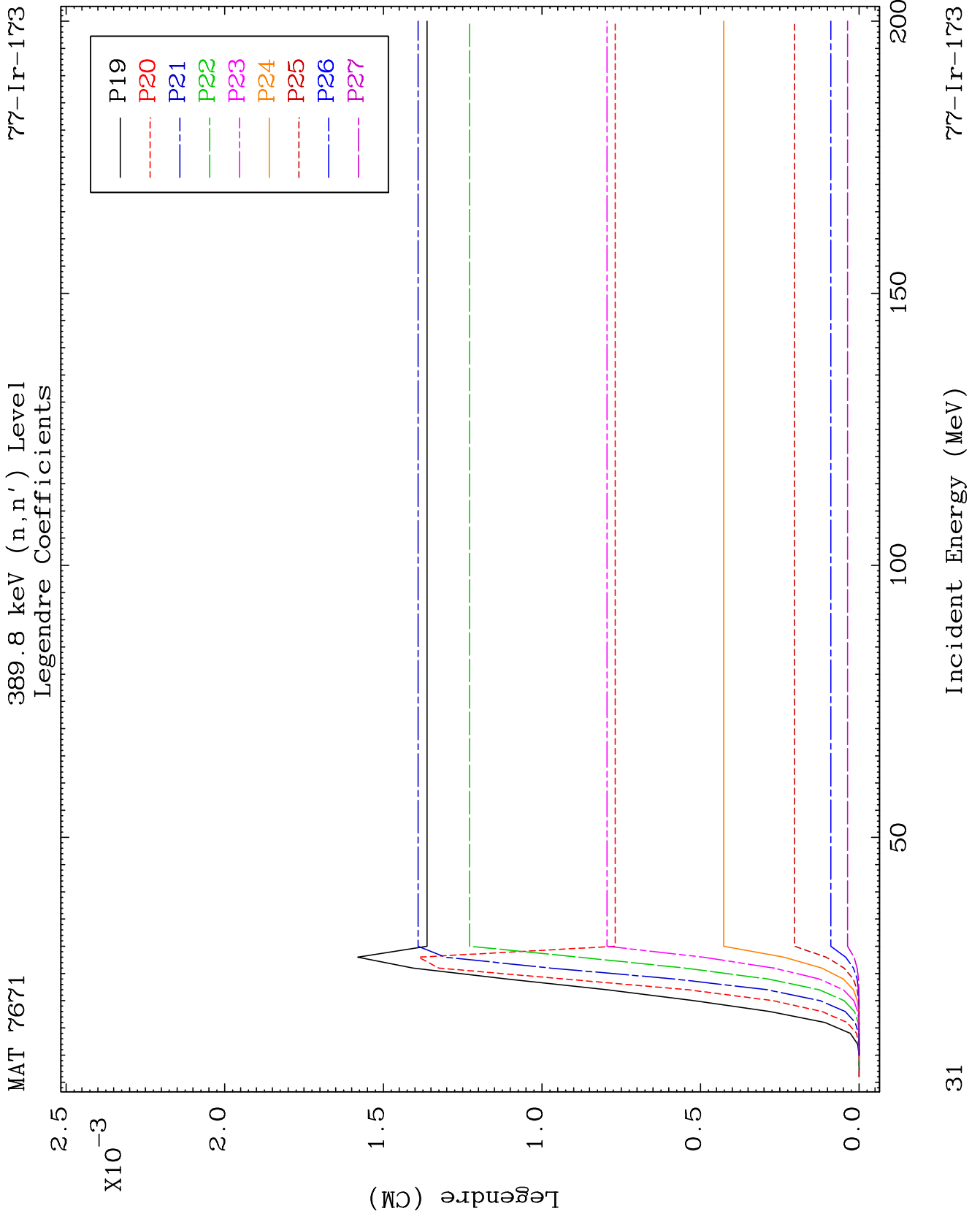
77-Ir-173



77-Ir-173

Incident Energy (MeV)

30

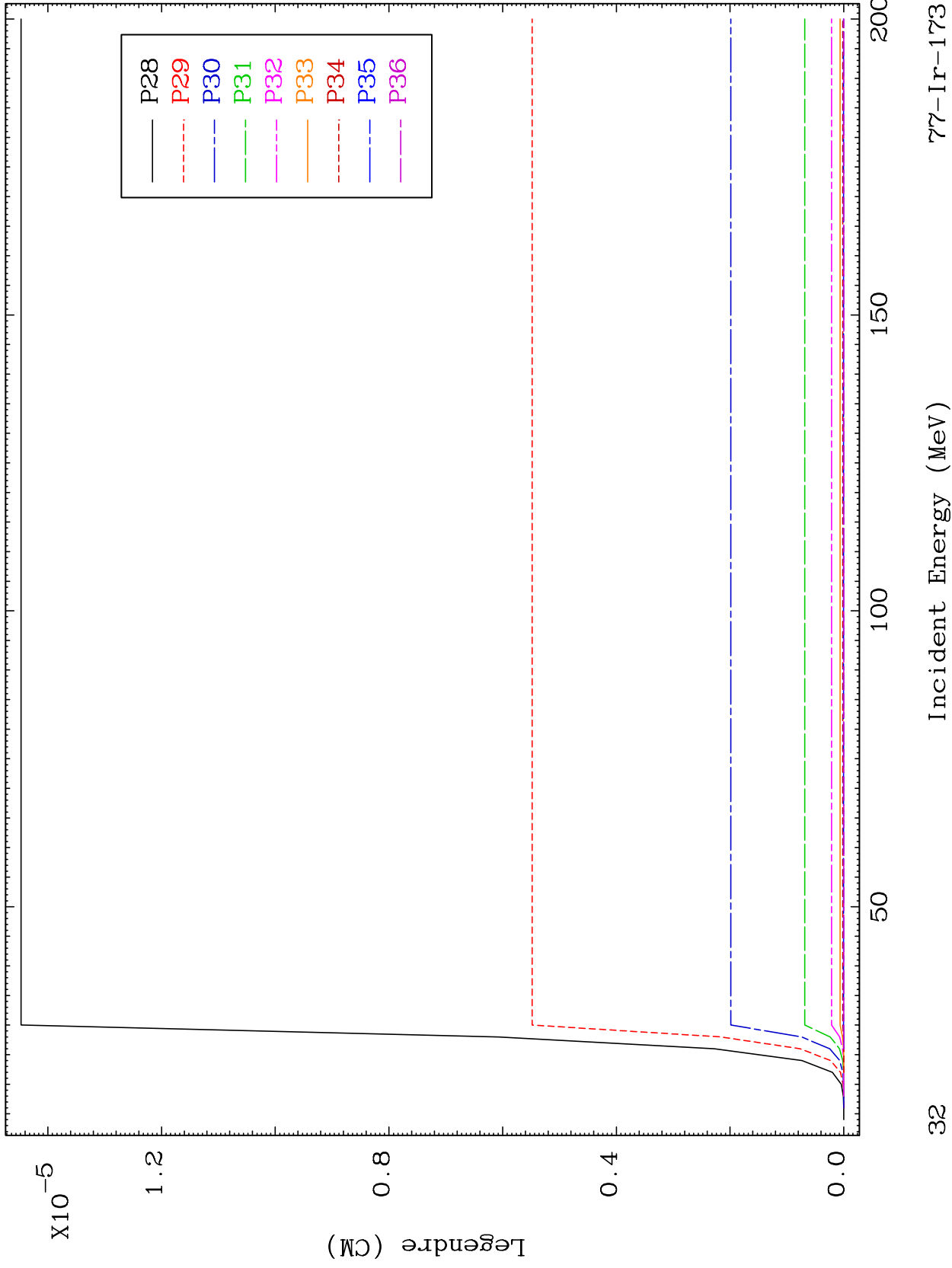




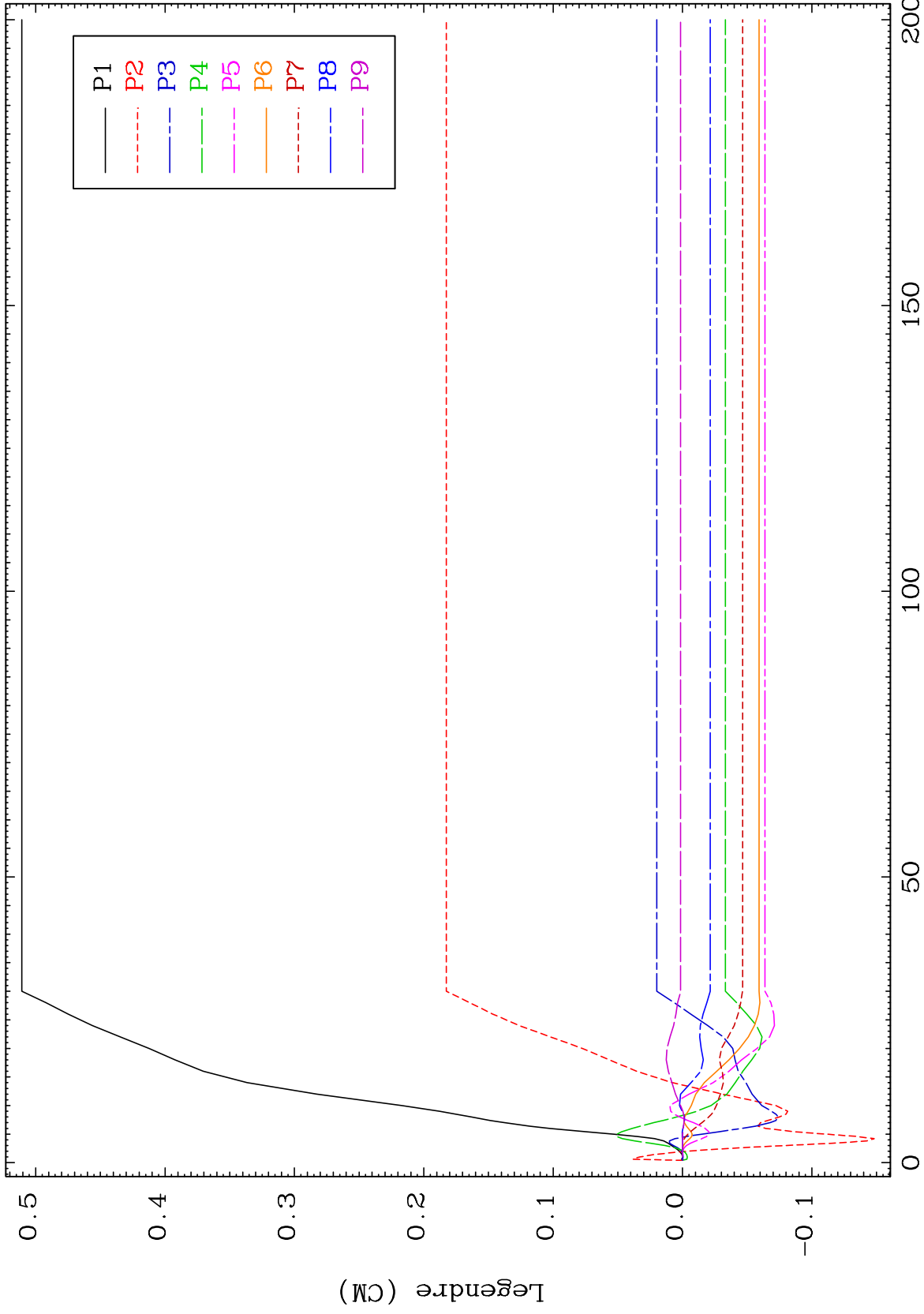
MAT 7671

389.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



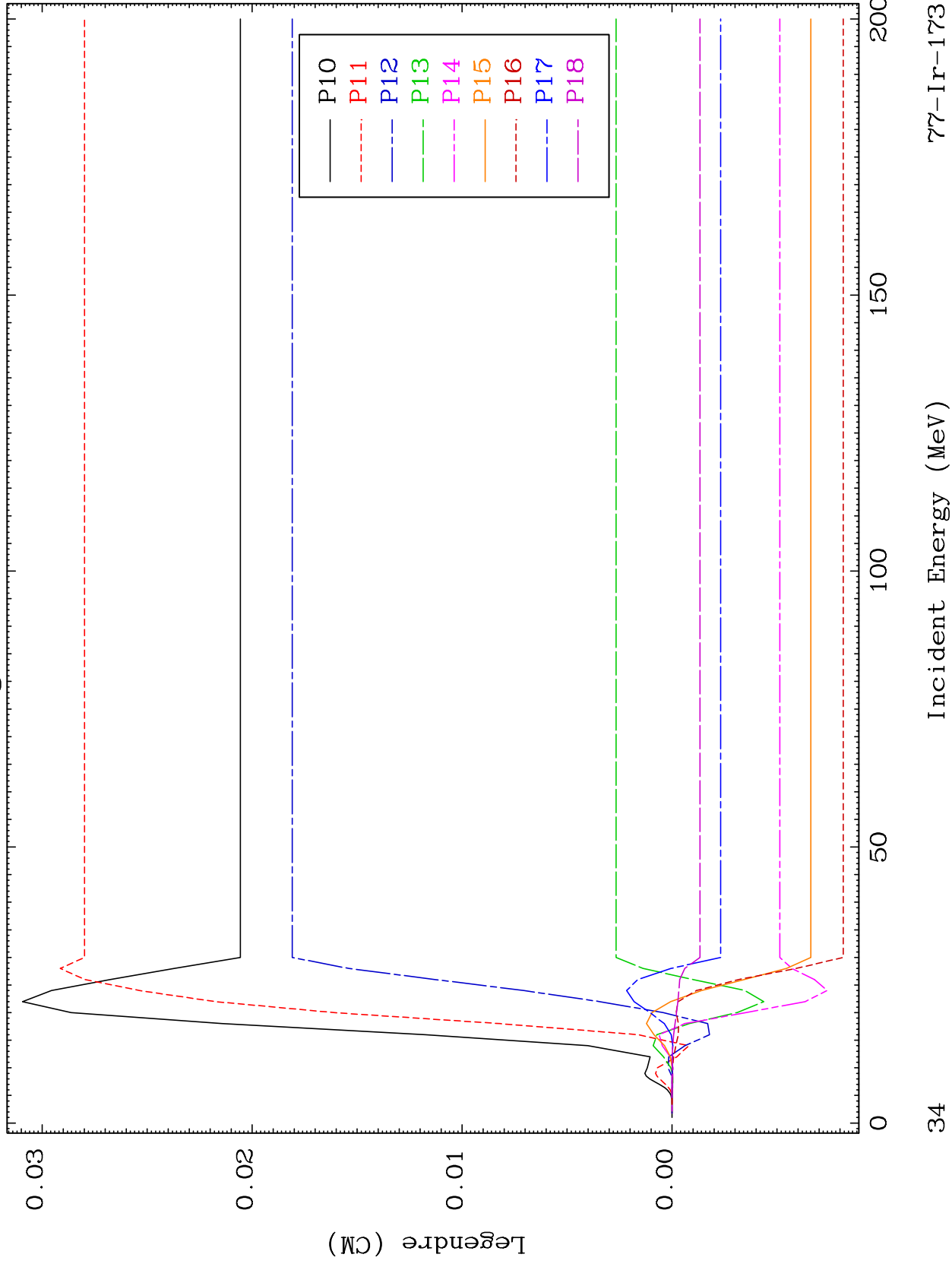
32



MAT 7671

408.2 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



34

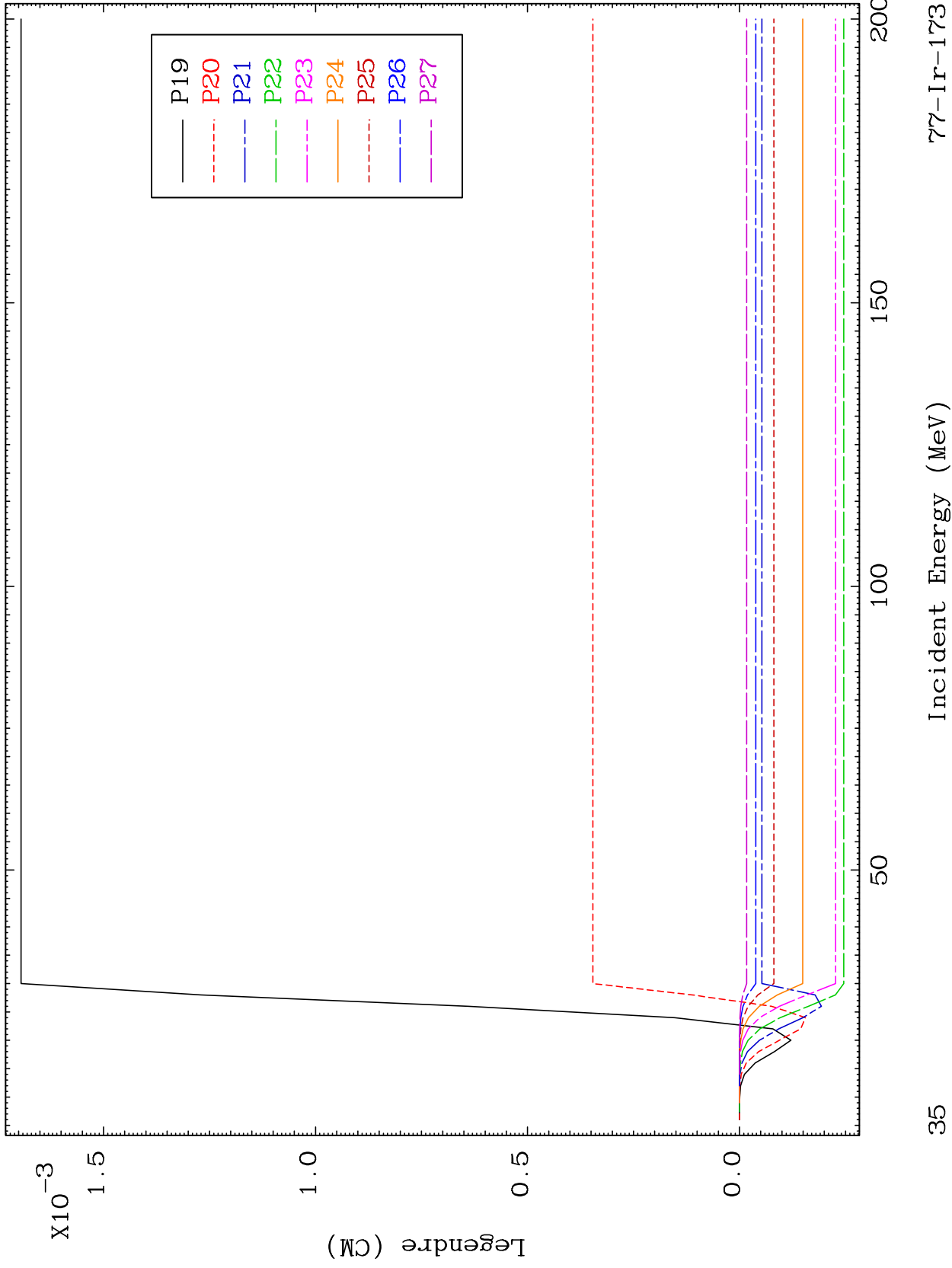
Incident Energy (MeV)

77-Ir-173

MAT 7671

408.2 keV (n,n') Level  
Legendre Coefficients

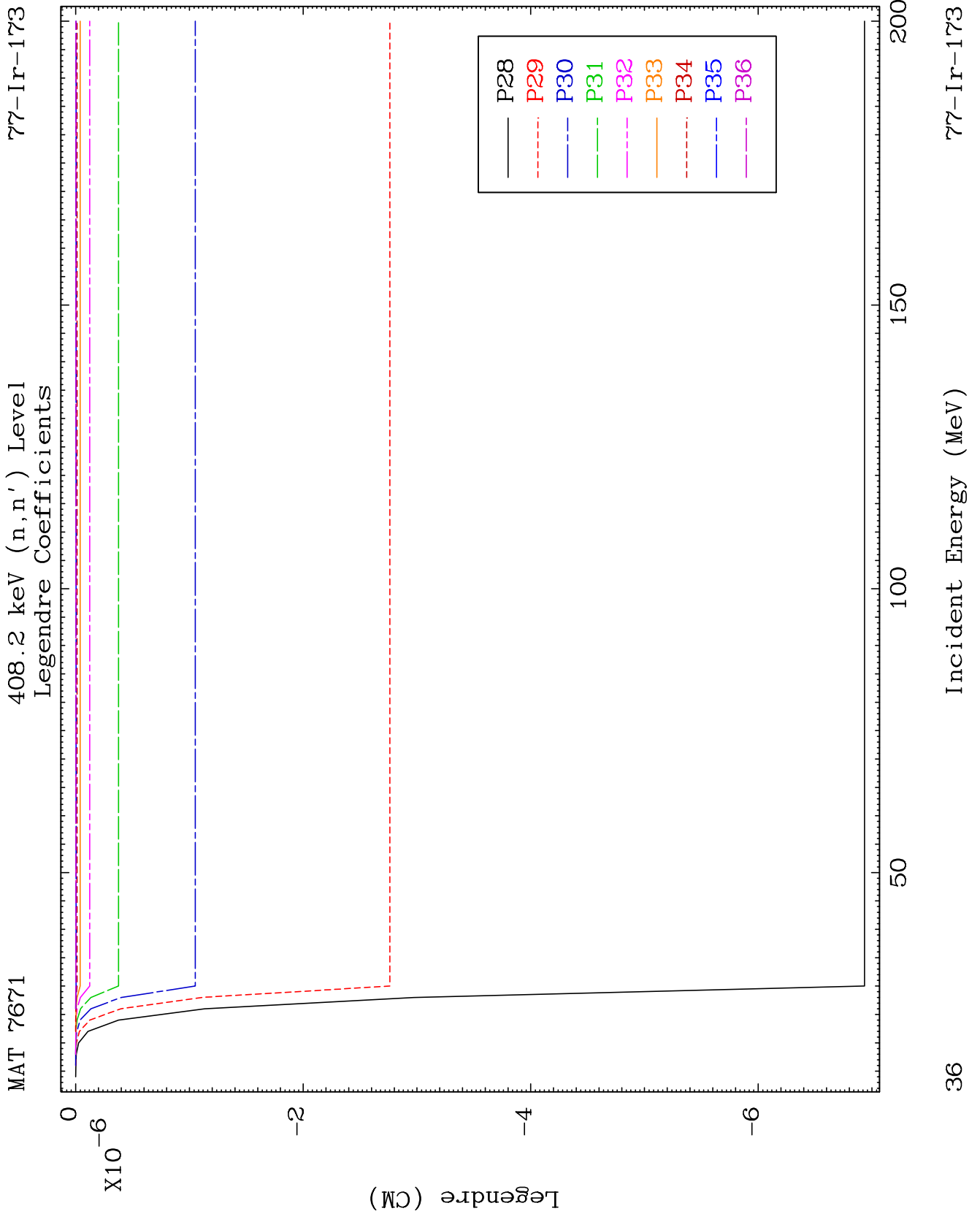
77-Ir-173

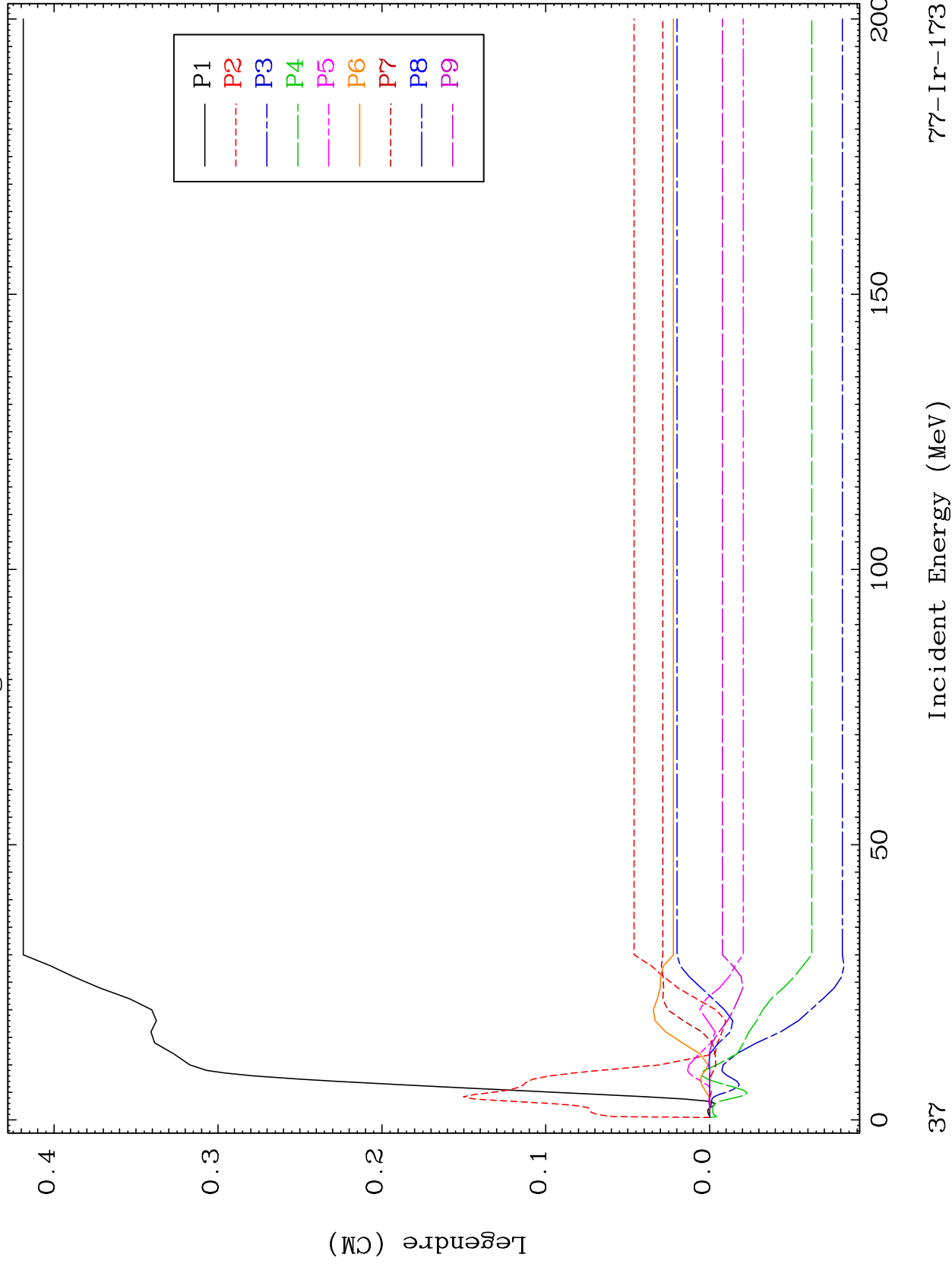


35

Incident Energy (MeV)

77-Ir-173

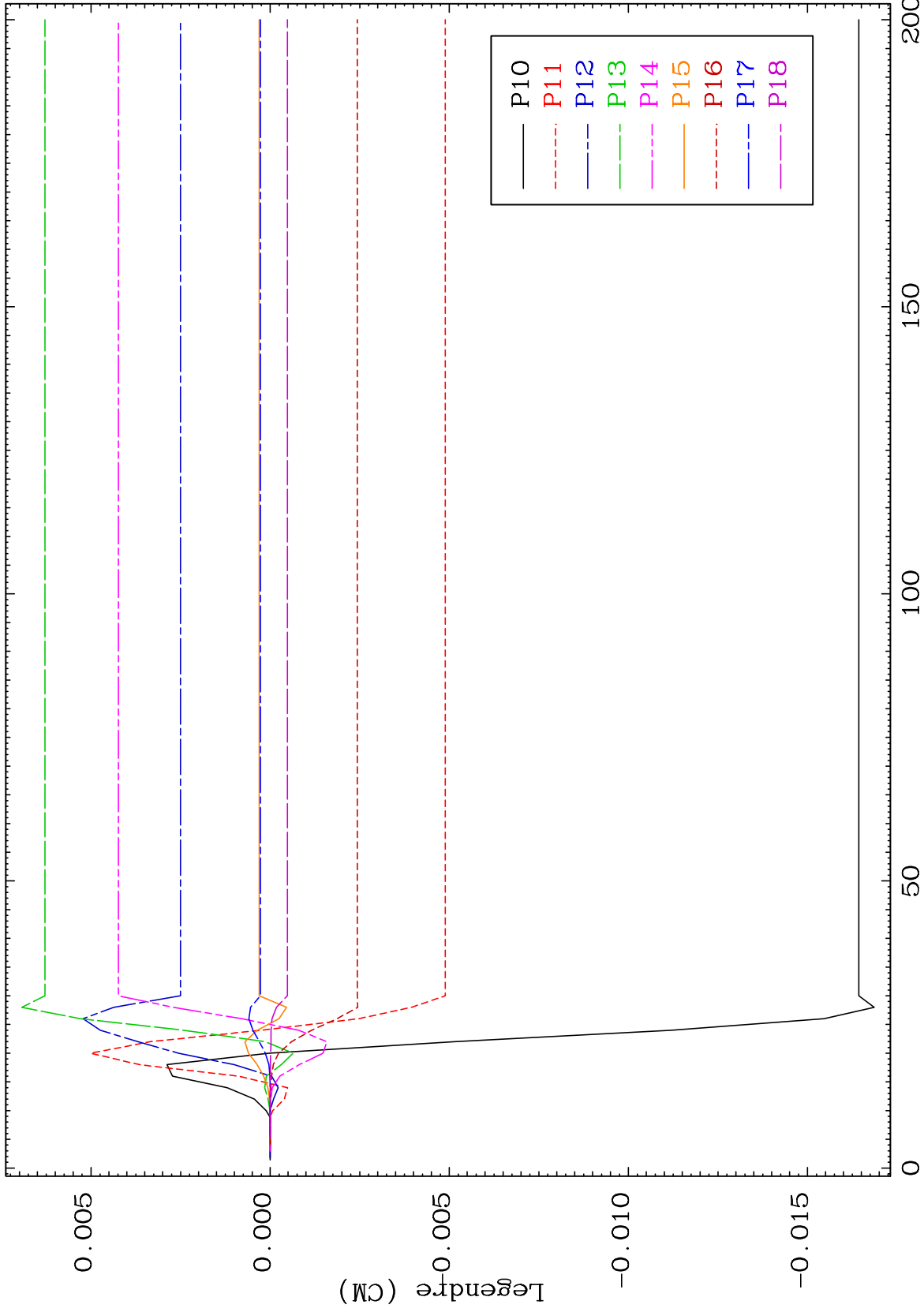




MAT 7671

431.2 keV (n,n') Level  
Legendre Coefficients

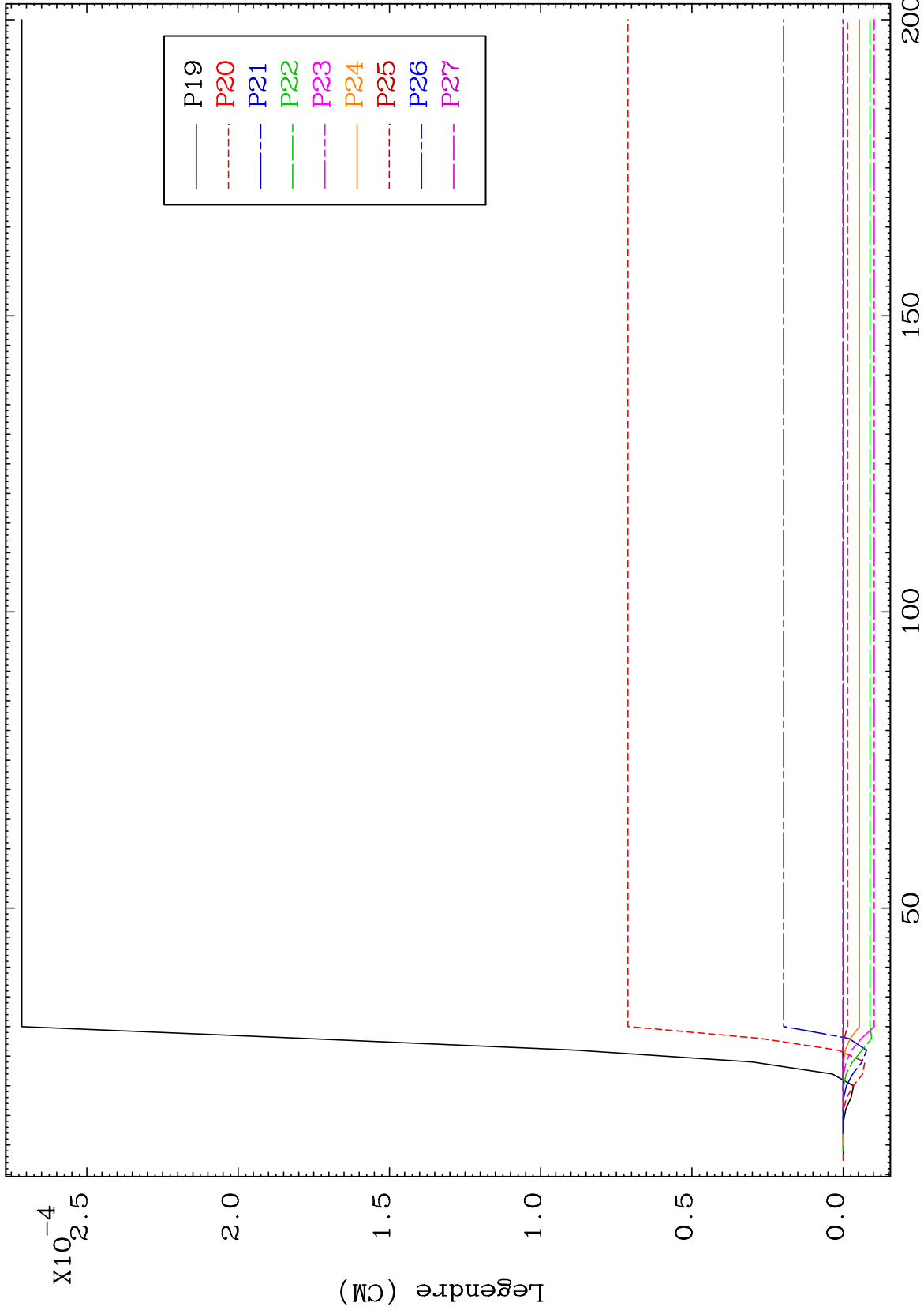
77-Ir-173



38

Incident Energy (MeV)

77-Ir-173

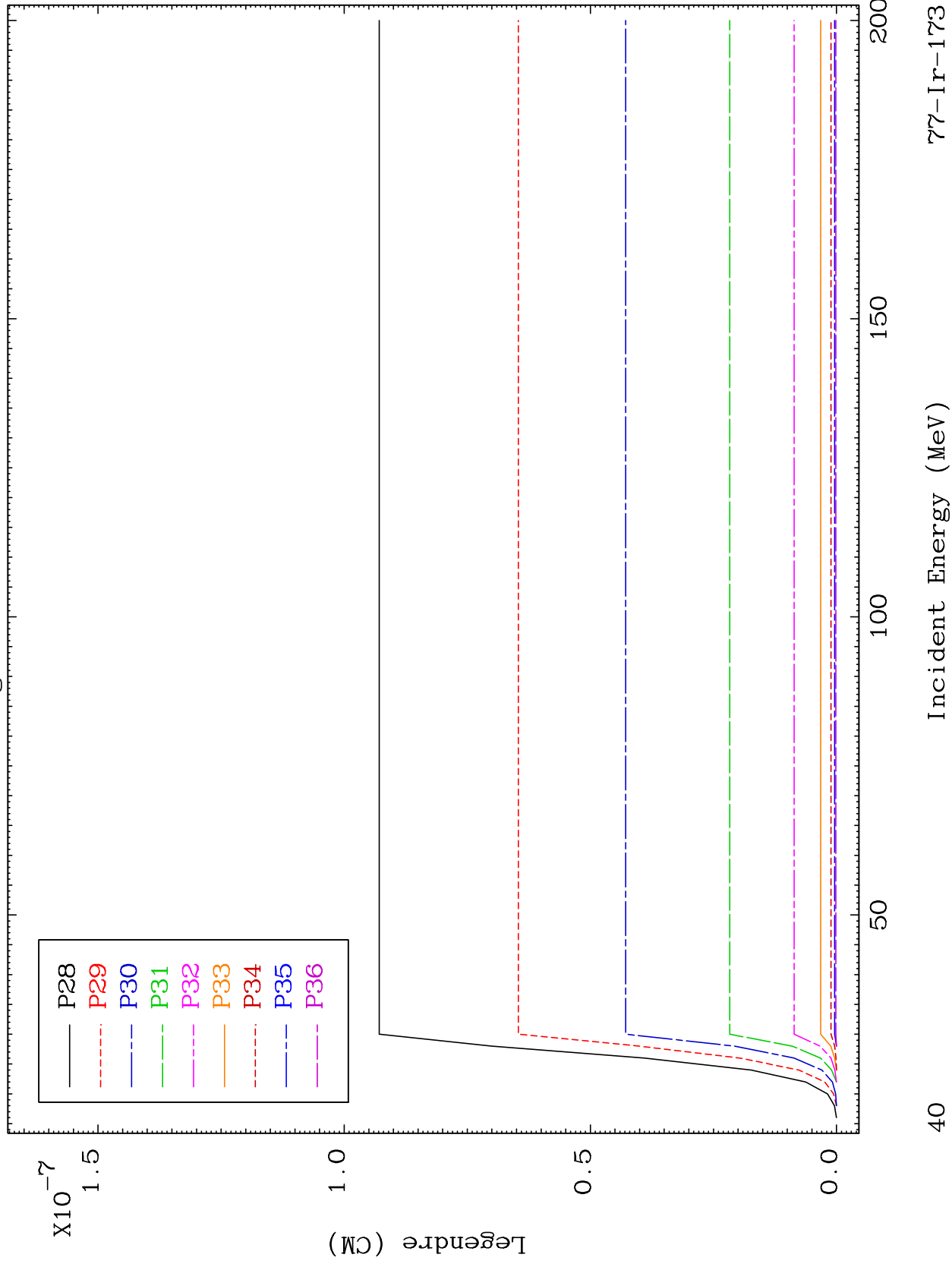




MAT 7671

431.2 keV (n,n') Level  
Legendre Coefficients

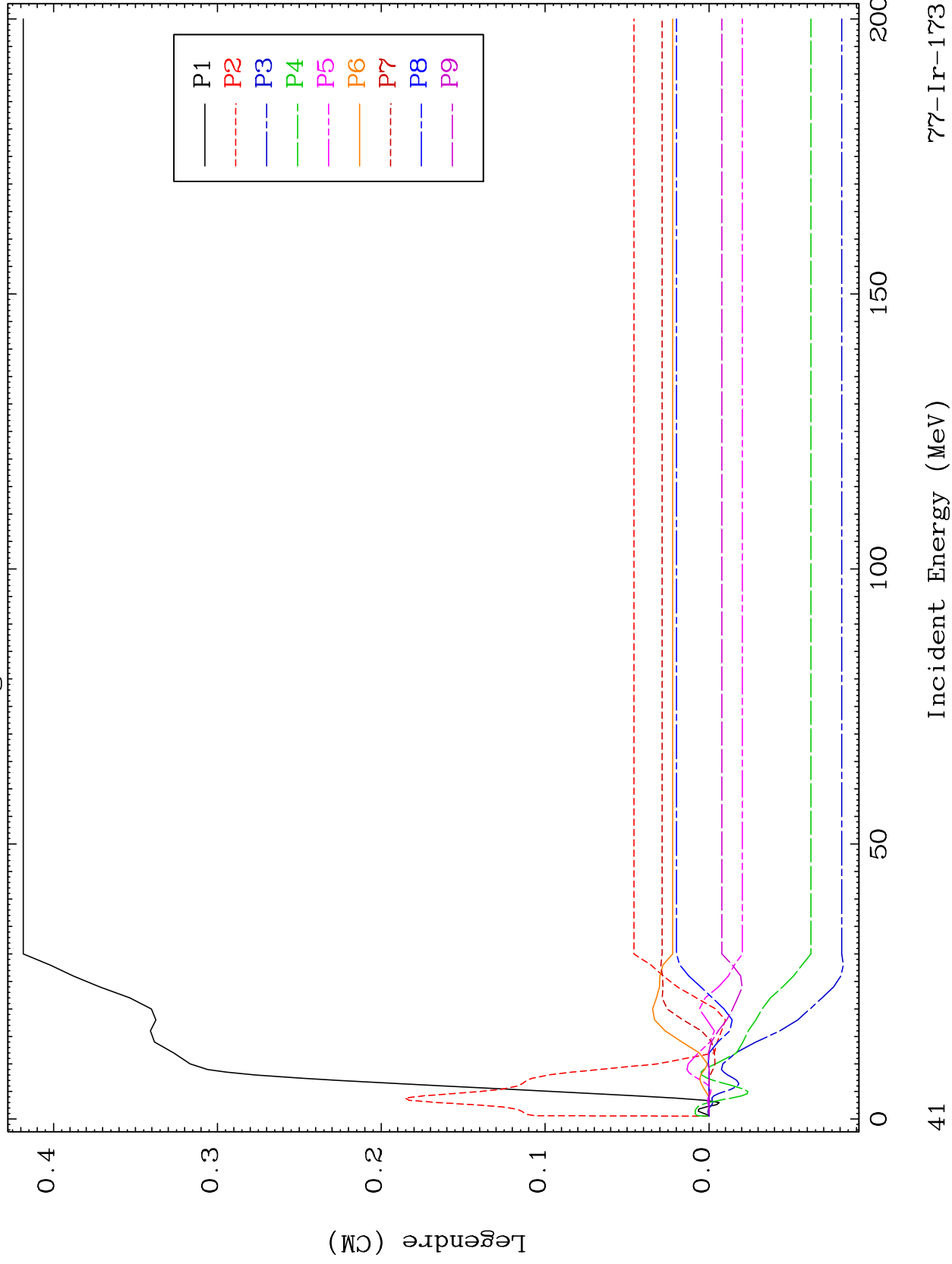
77-Ir-173



MAT 7671

500.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



77-Ir-173

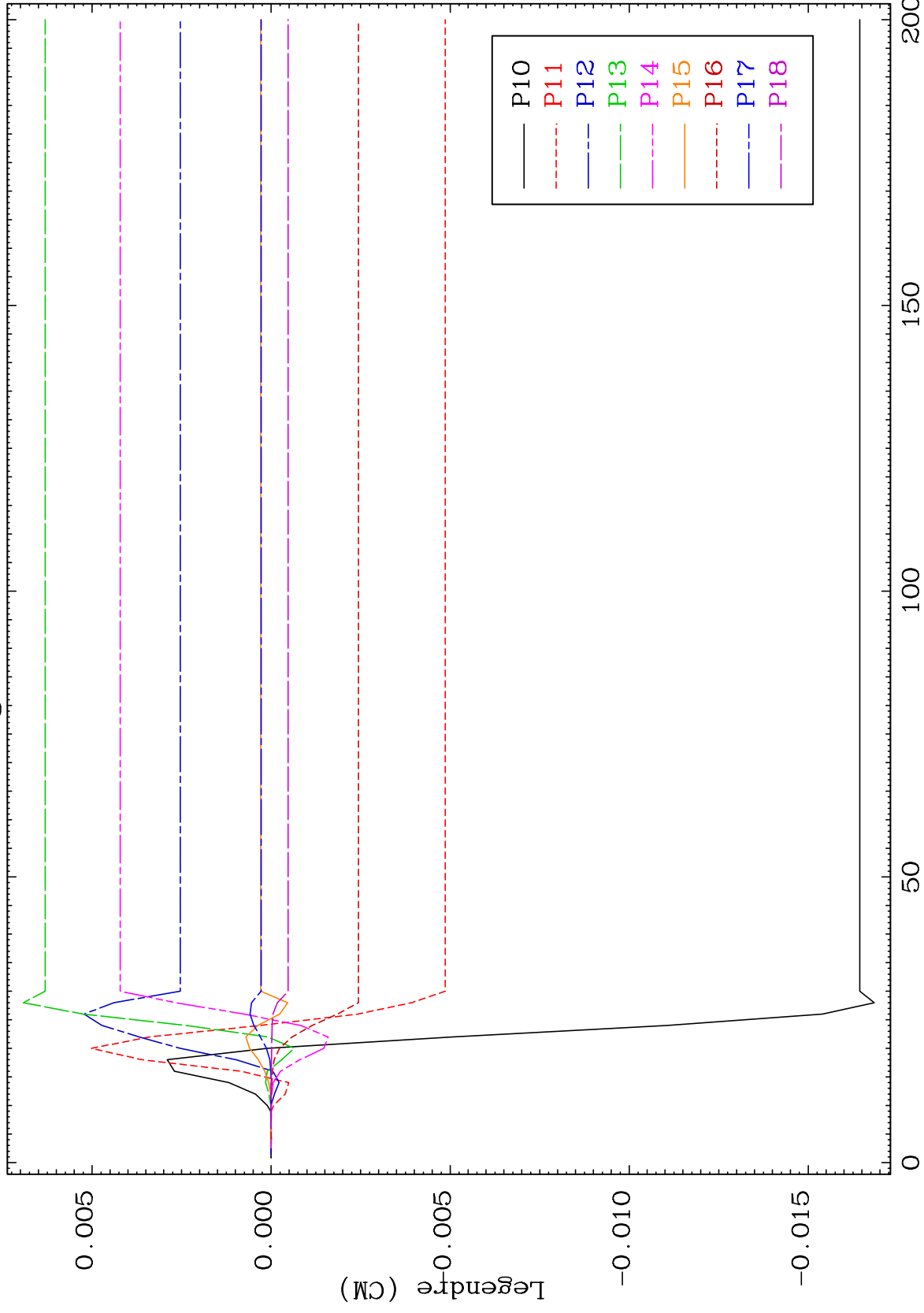
Incident Energy (MeV)

41

MAT 7671

500.0 keV (n,n') Level  
Legendre Coefficients

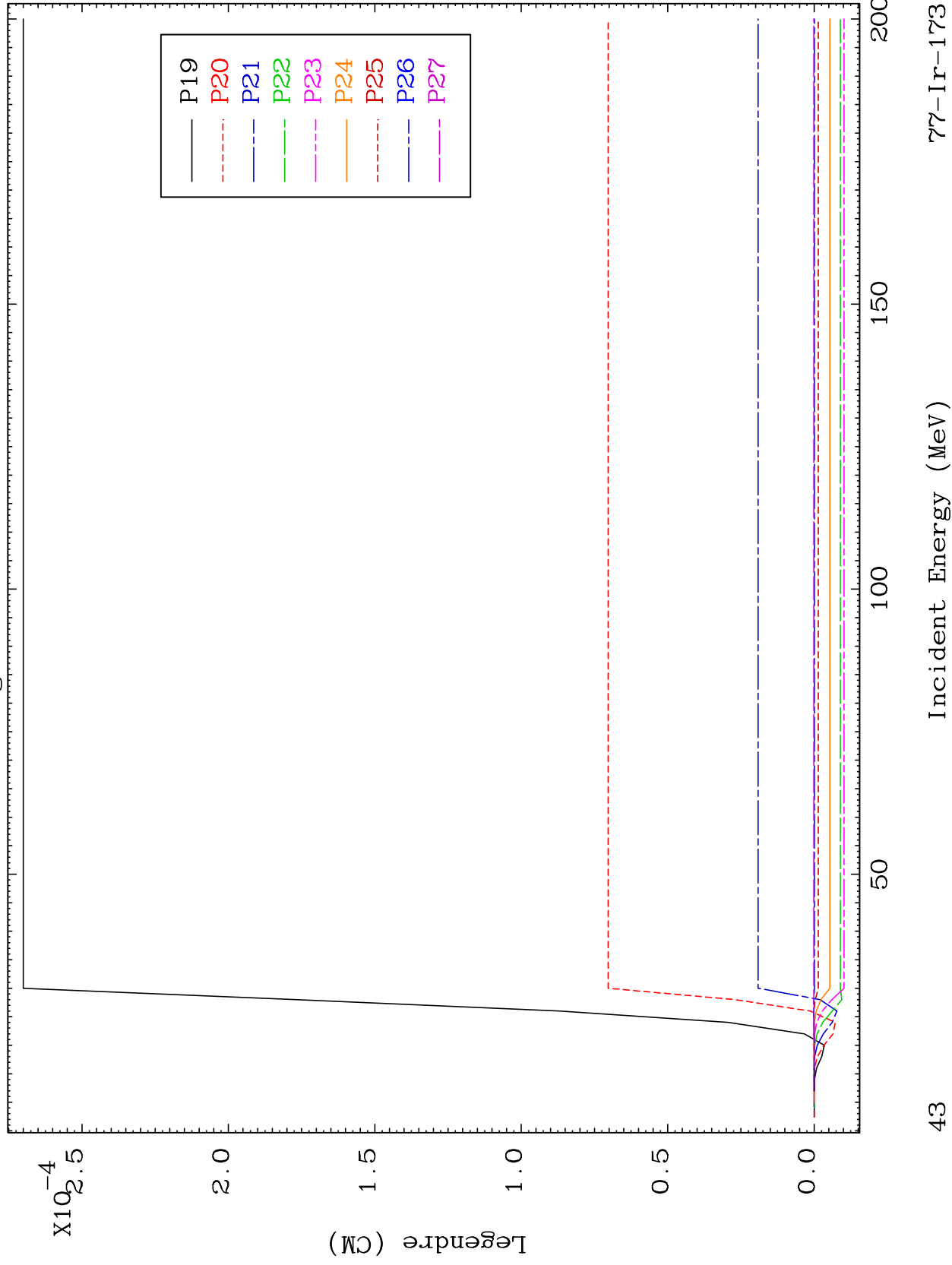
77-Ir-173



42

Incident Energy (MeV)

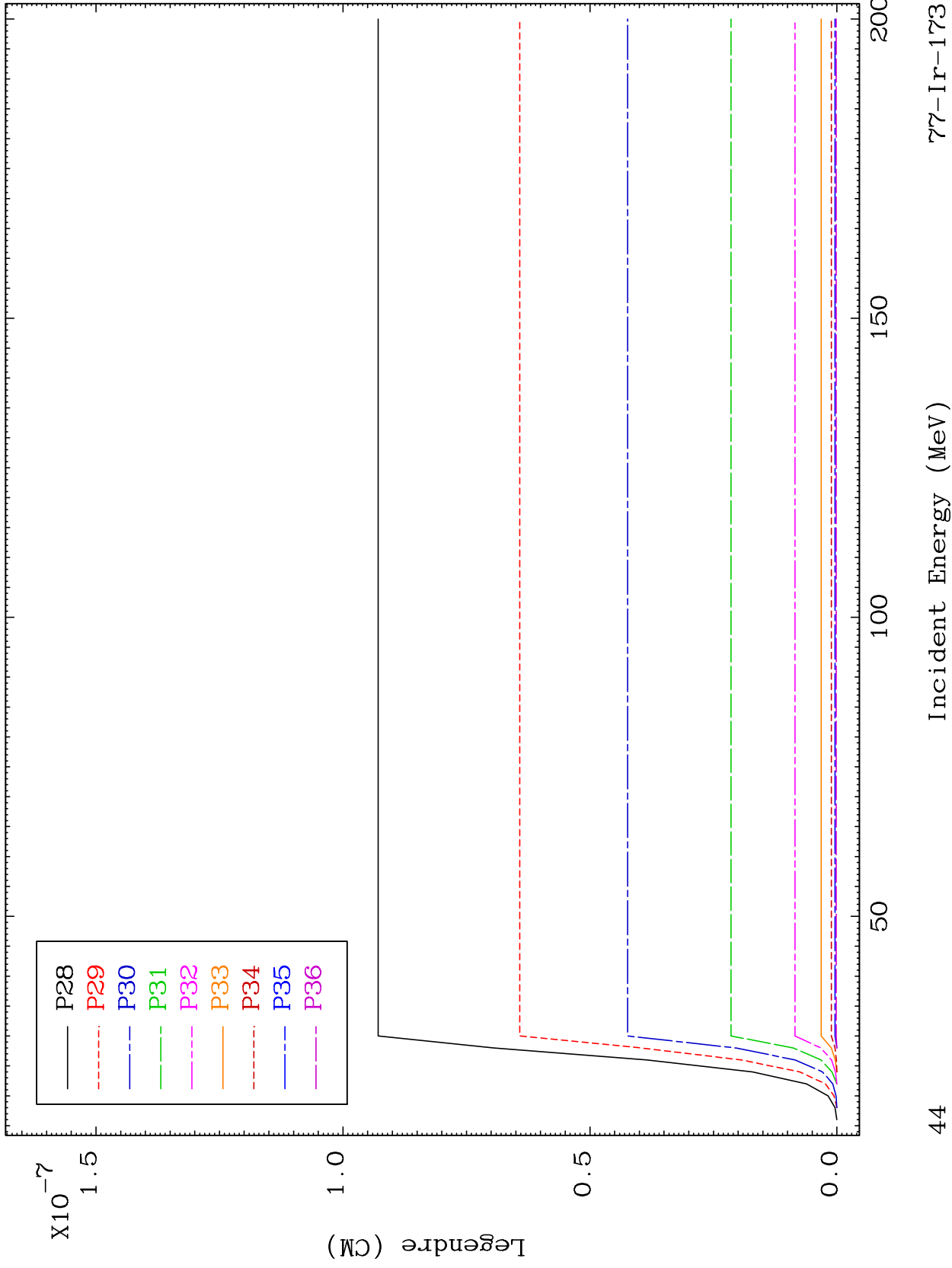
77-Ir-173



MAT 7671

500.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-173

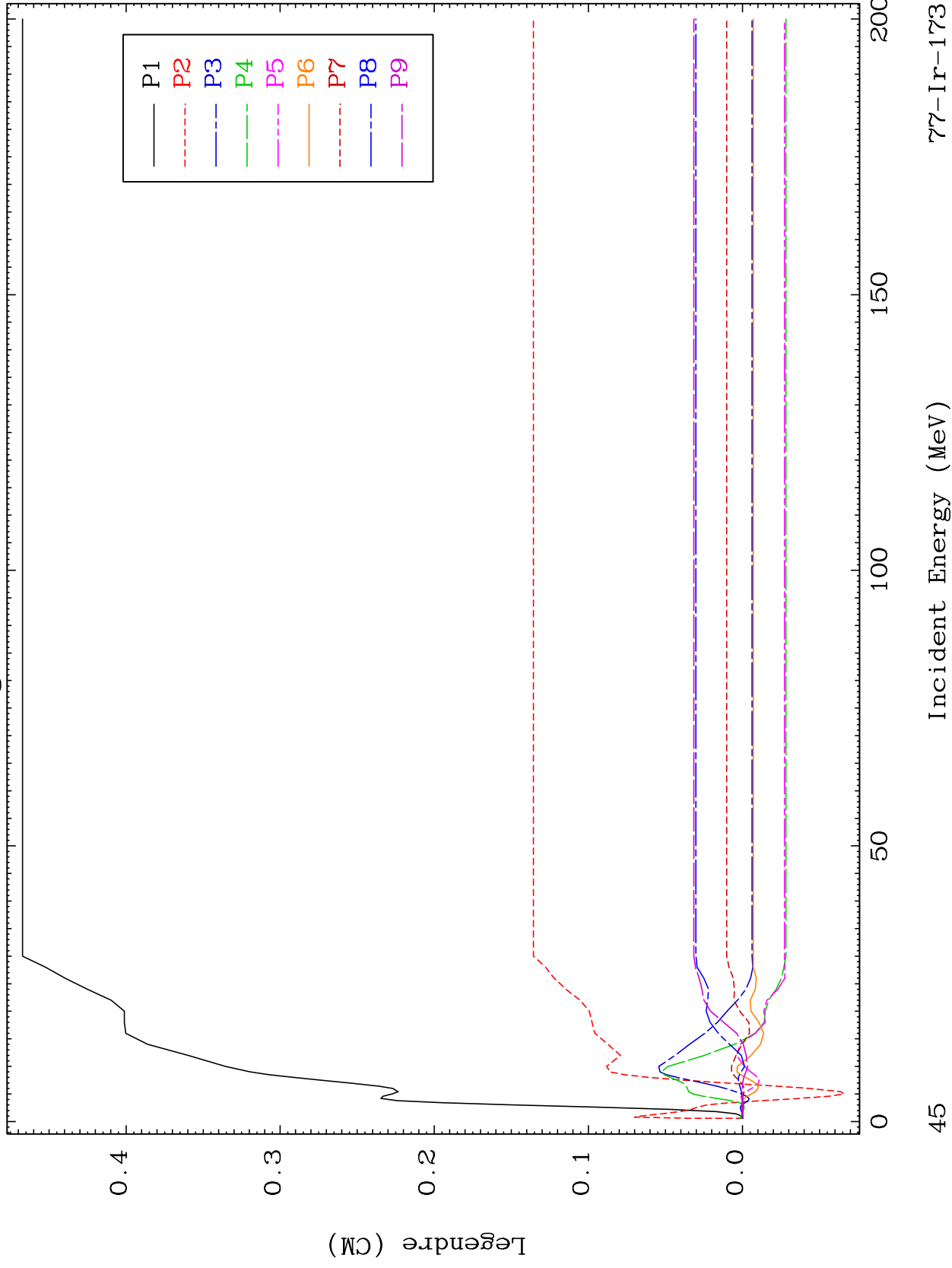


44

MAT 7671

567.9 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



77-Ir-173

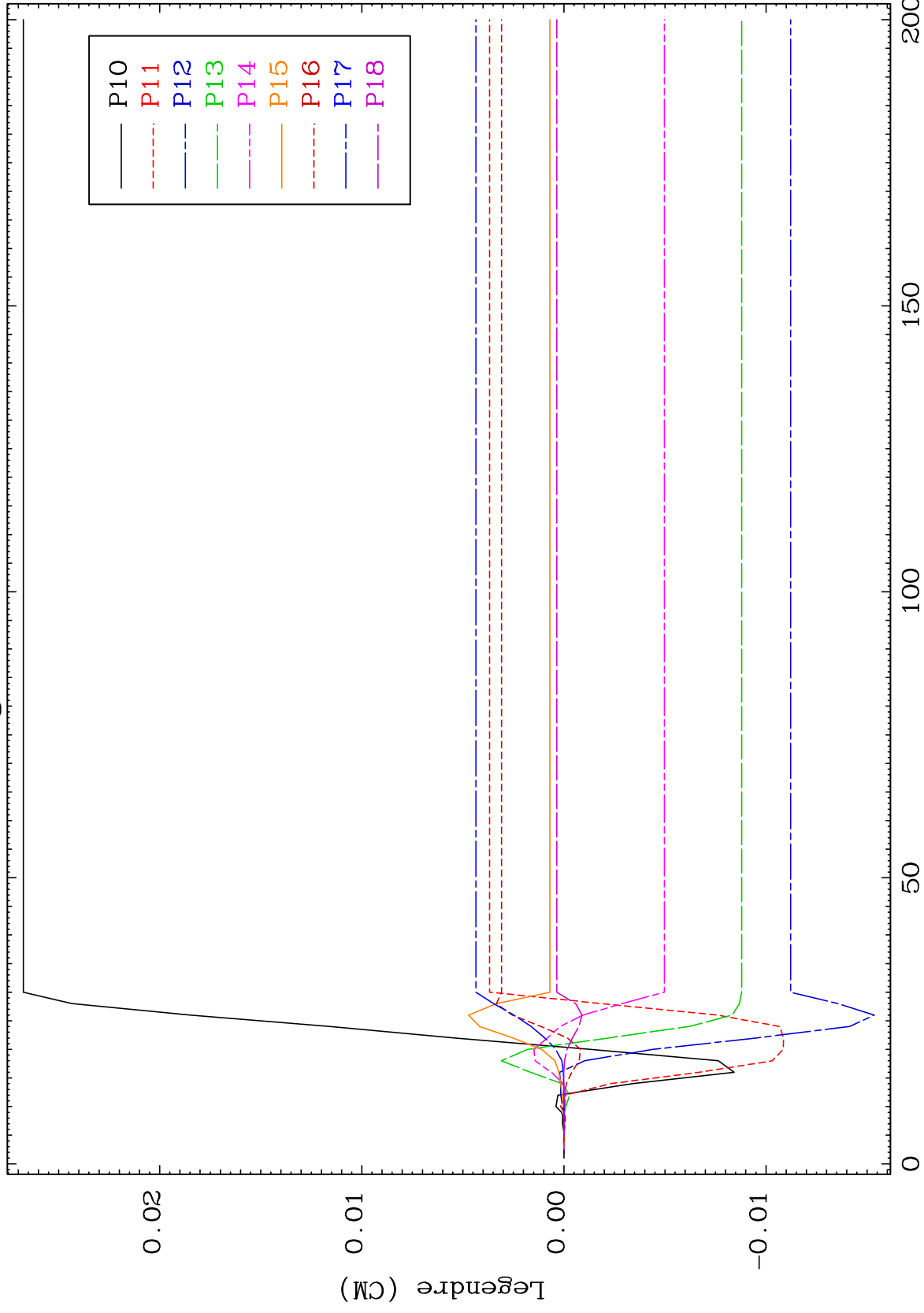
Incident Energy (MeV)

45

MAT 7671

567.9 keV (n,n') Level  
Legendre Coefficients

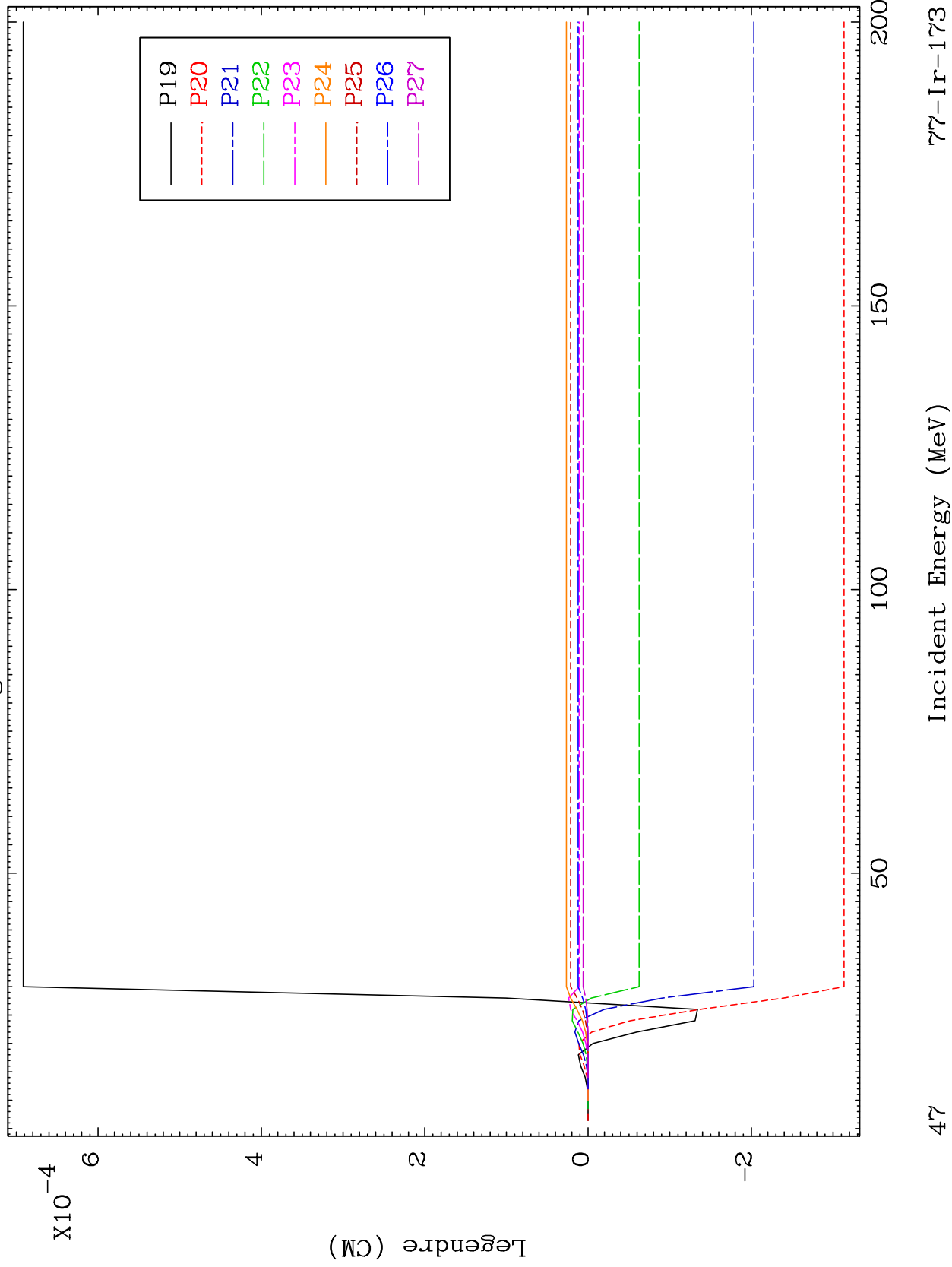
77-Ir-173



46

Incident Energy (MeV)

77-Ir-173

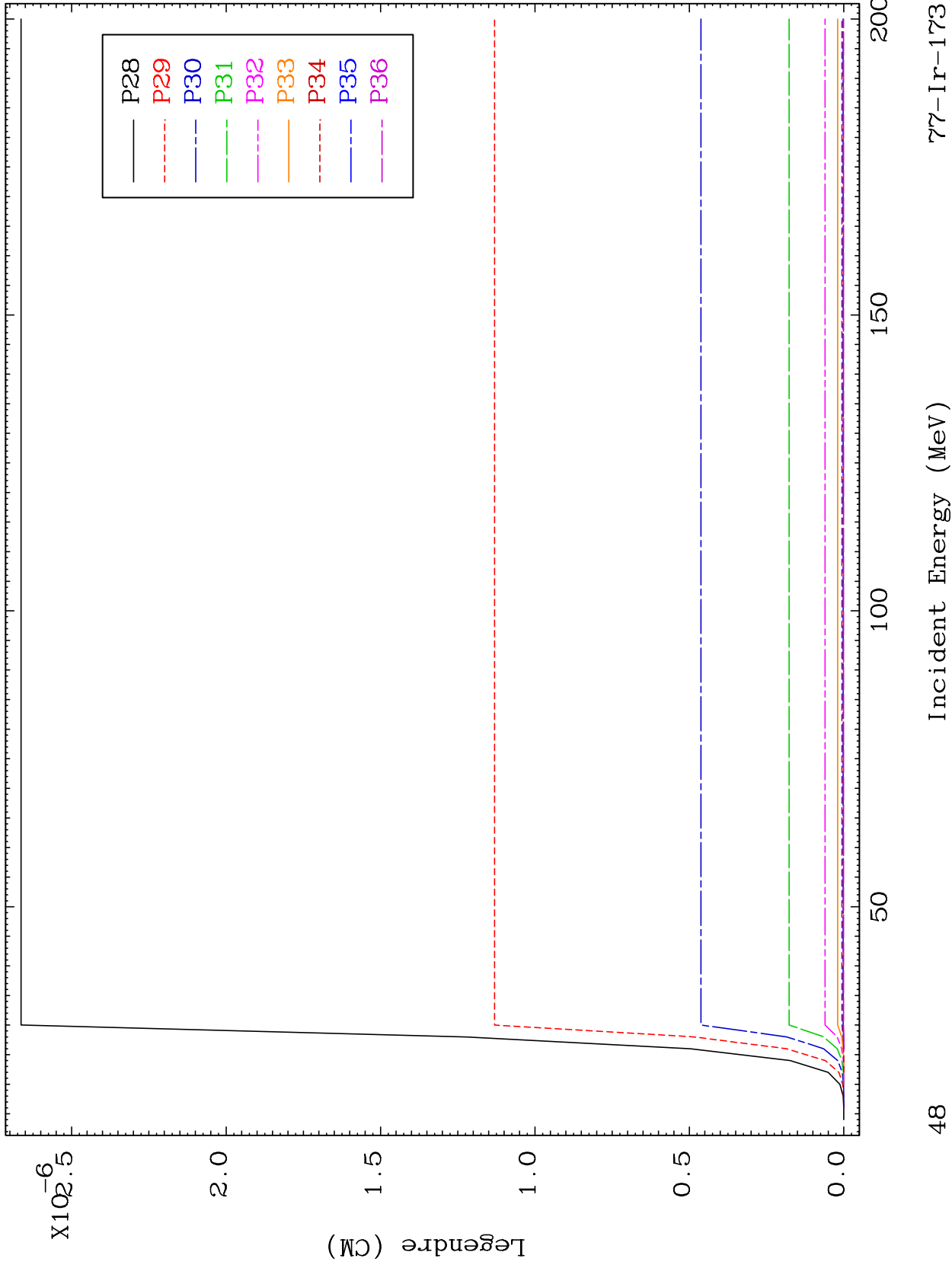




MAT 7671

567.9 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



48

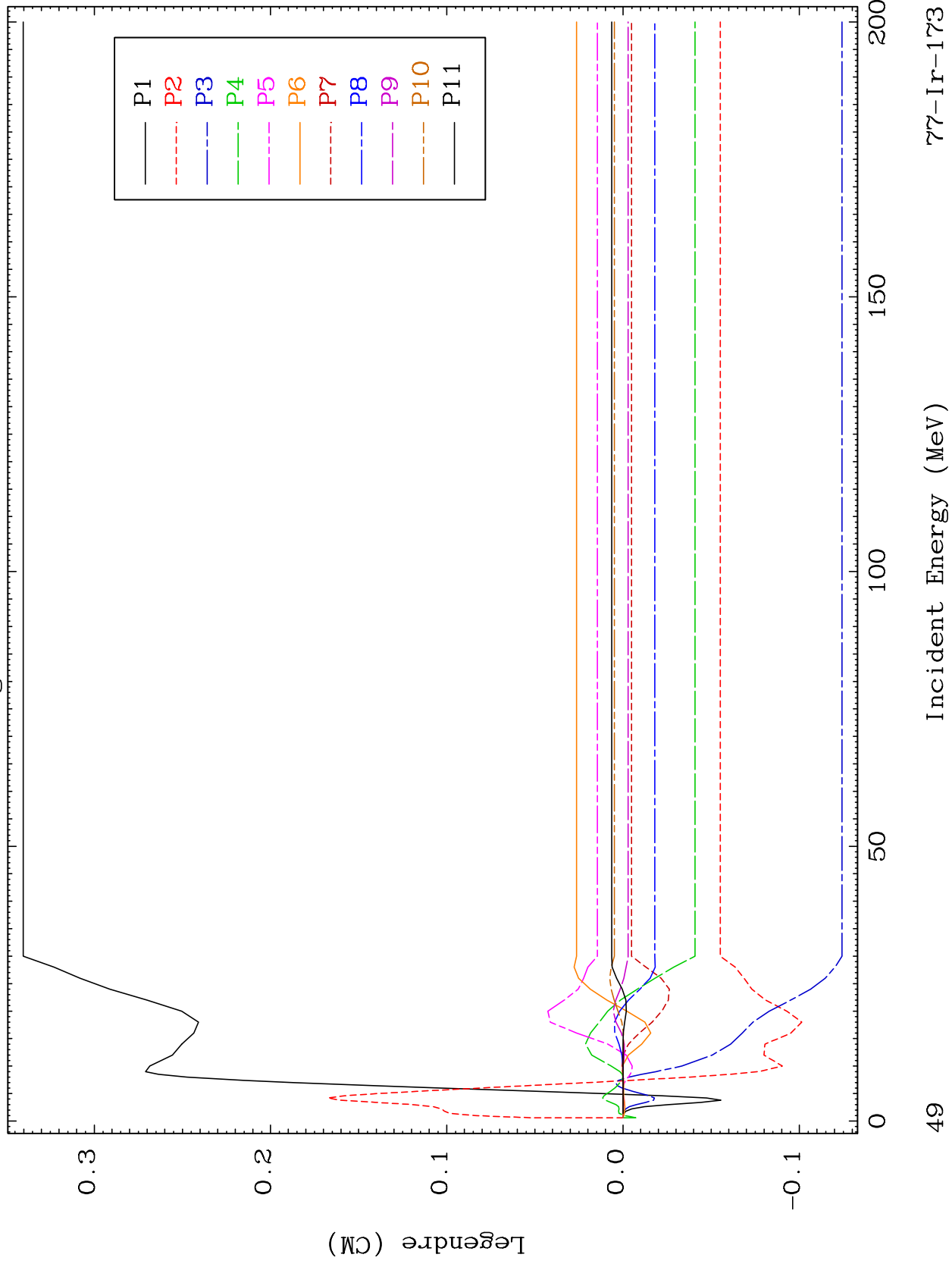
Incident Energy (MeV)

77-Ir-173

MAT 7671

574.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



77-Ir-173

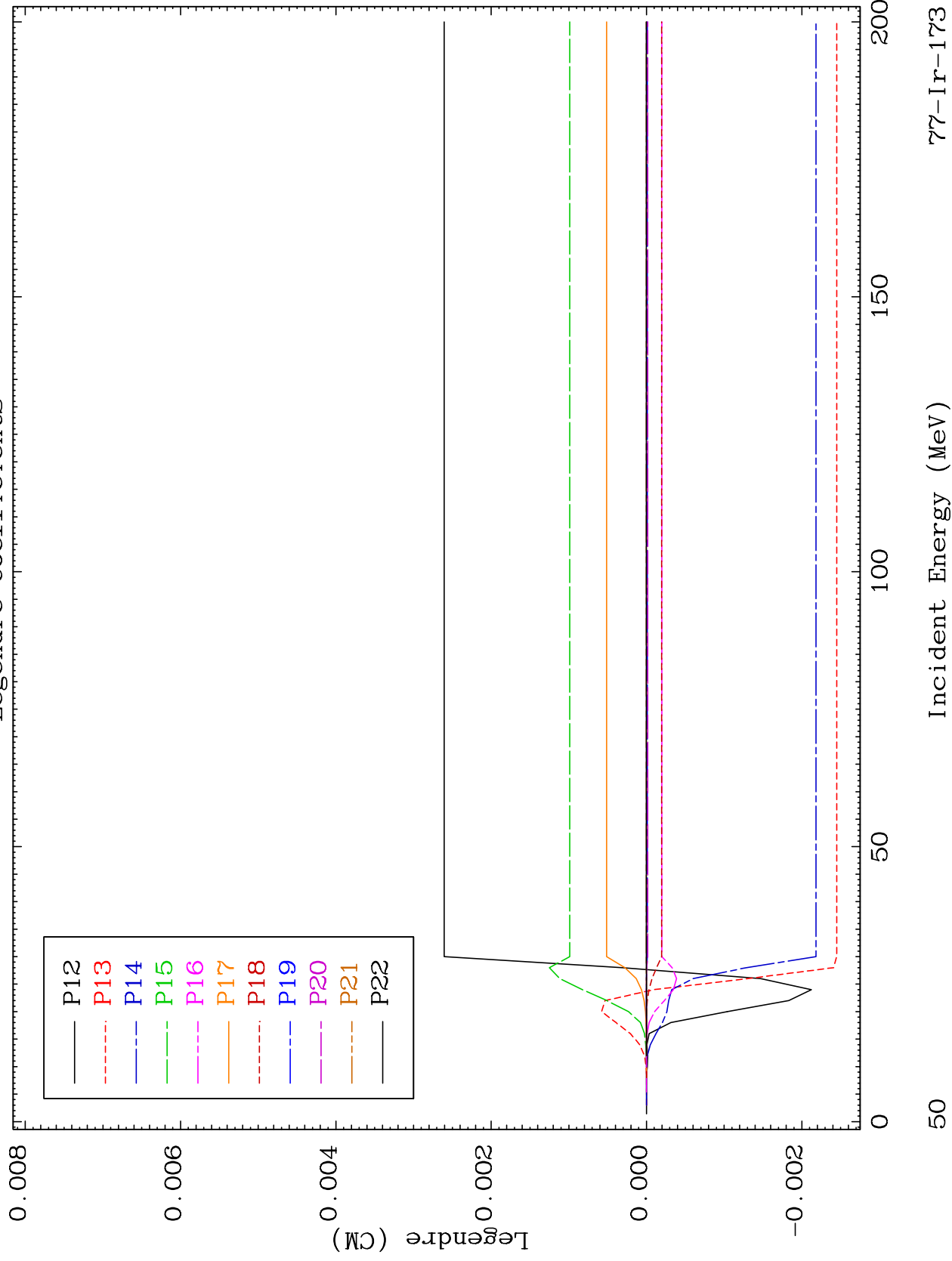
Incident Energy (MeV)

49

MAT 7671

574.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



77-Ir-173

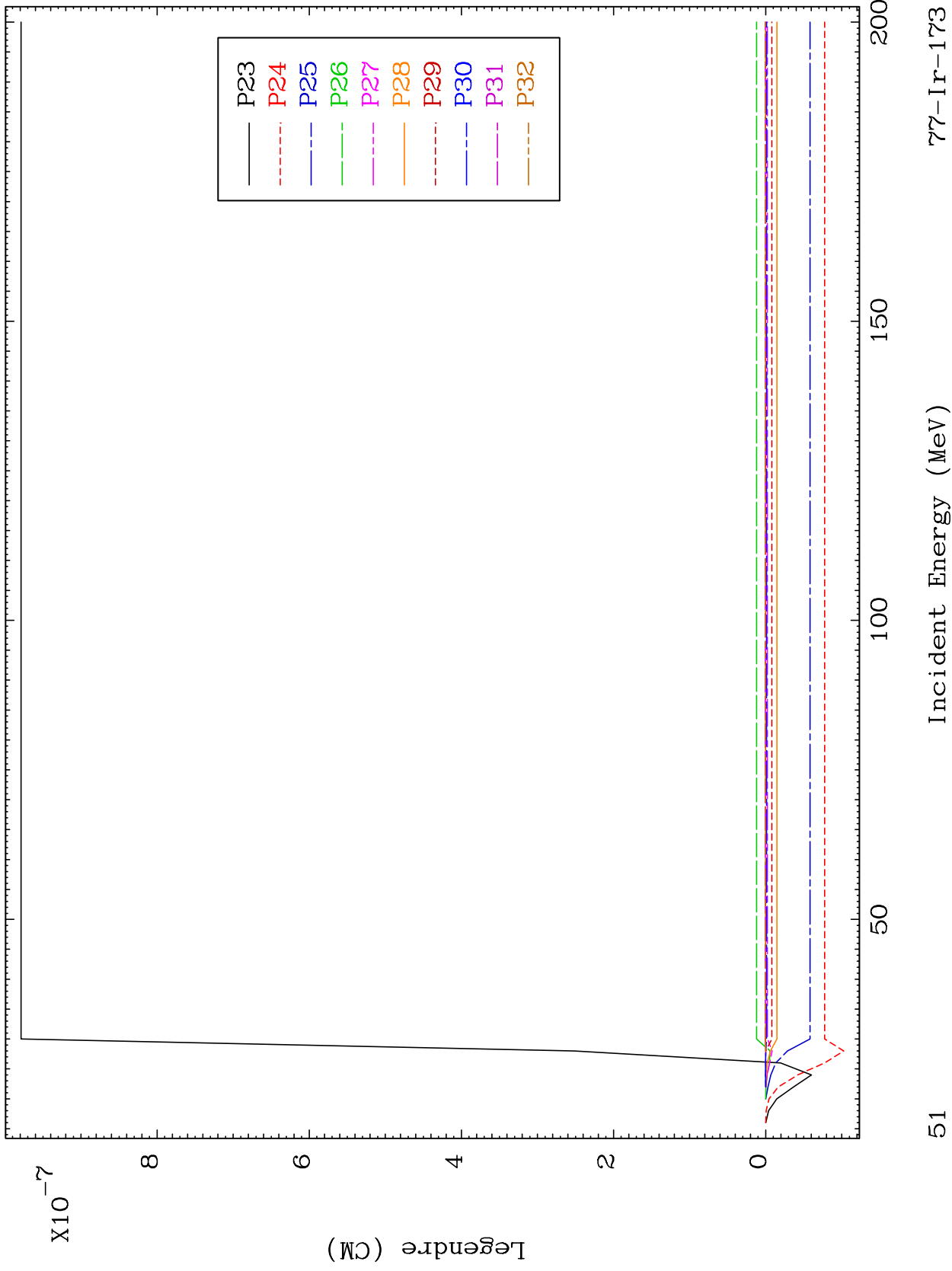
Incident Energy (MeV)

50

MAT 7671

574.8 keV (n,n') Level  
Legendre Coefficients

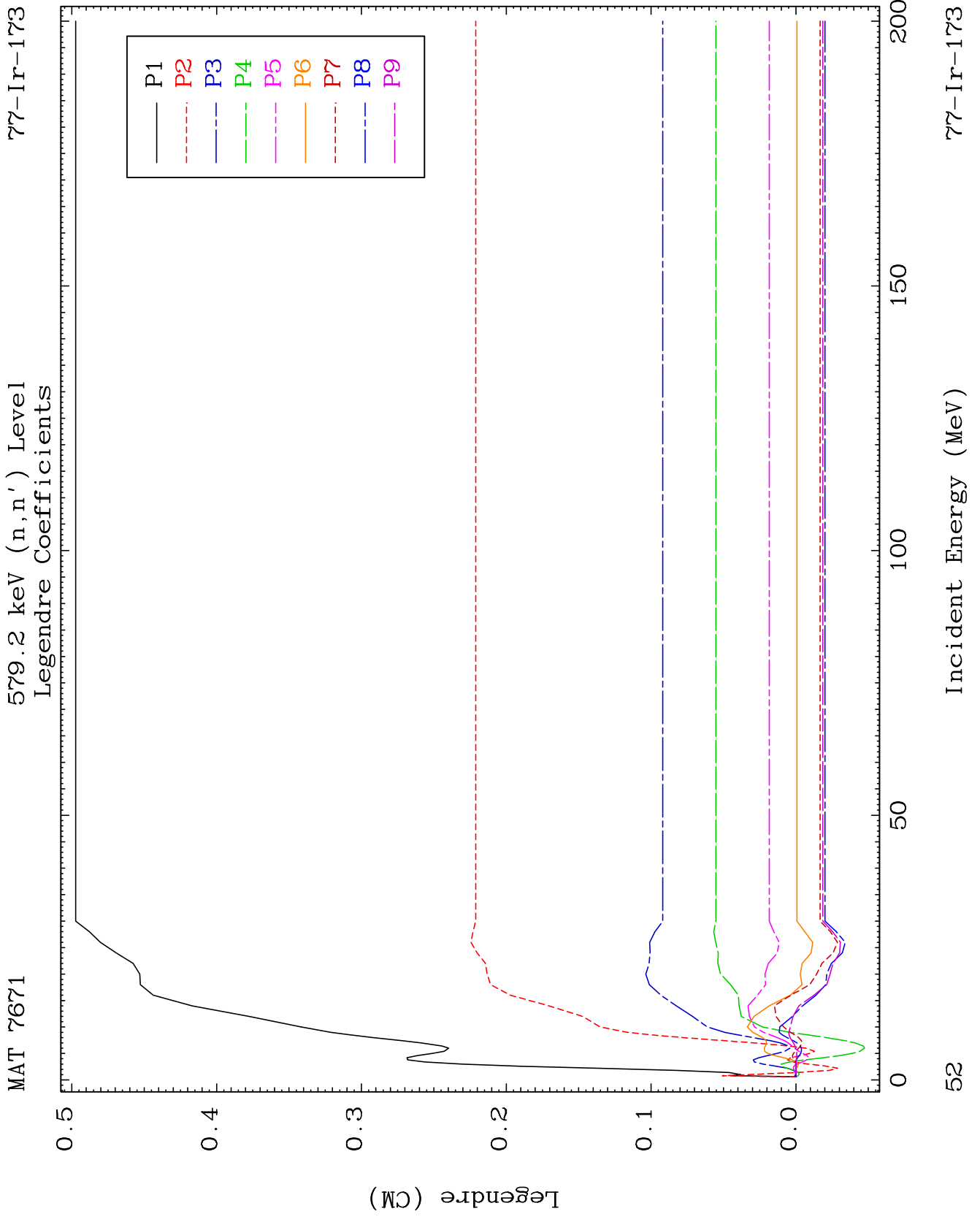
77-Ir-173



51

Incident Energy (MeV)

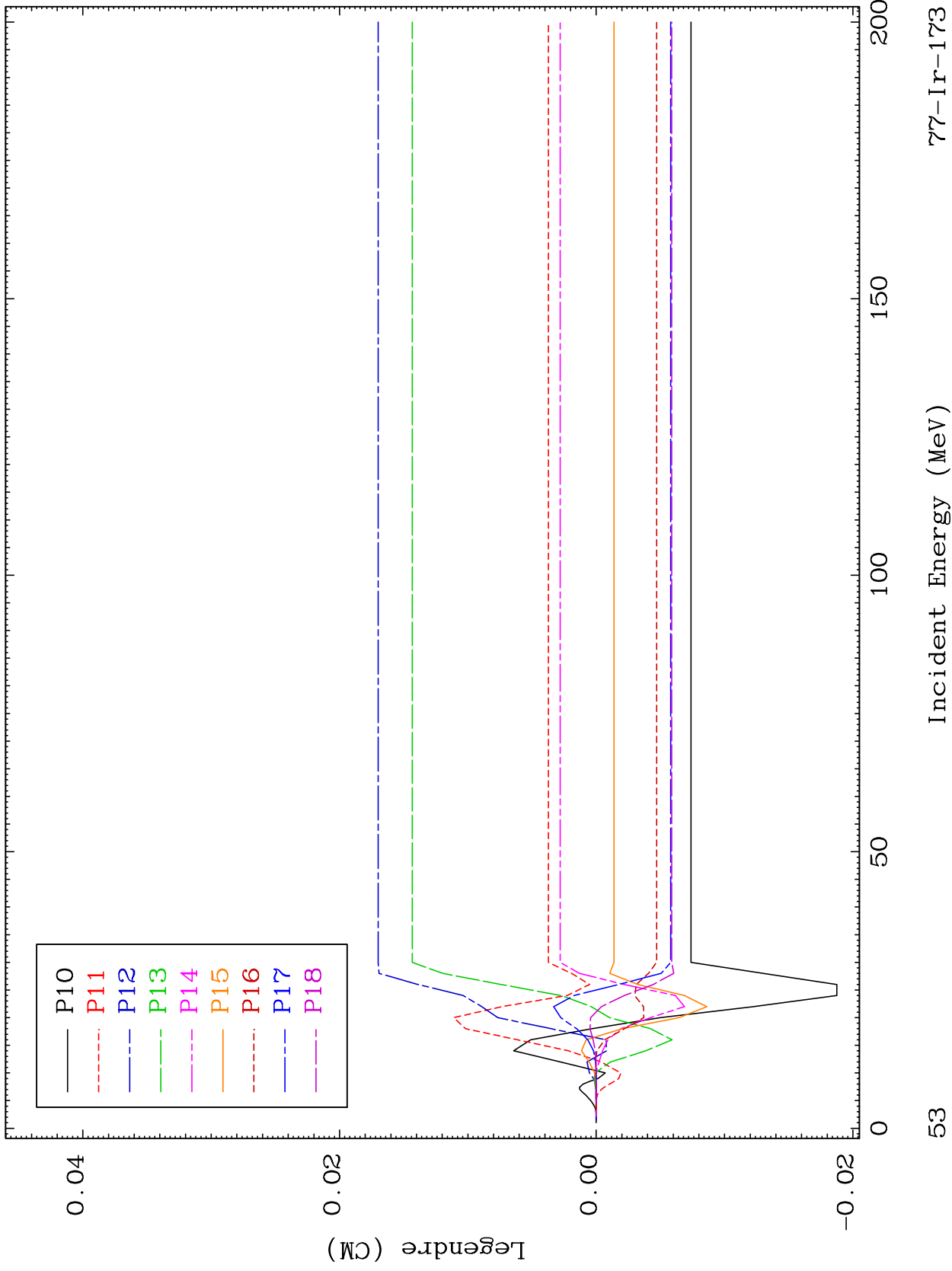
77-Ir-173



MAT 7671

579.2 keV (n, n') Level  
Legendre Coefficients

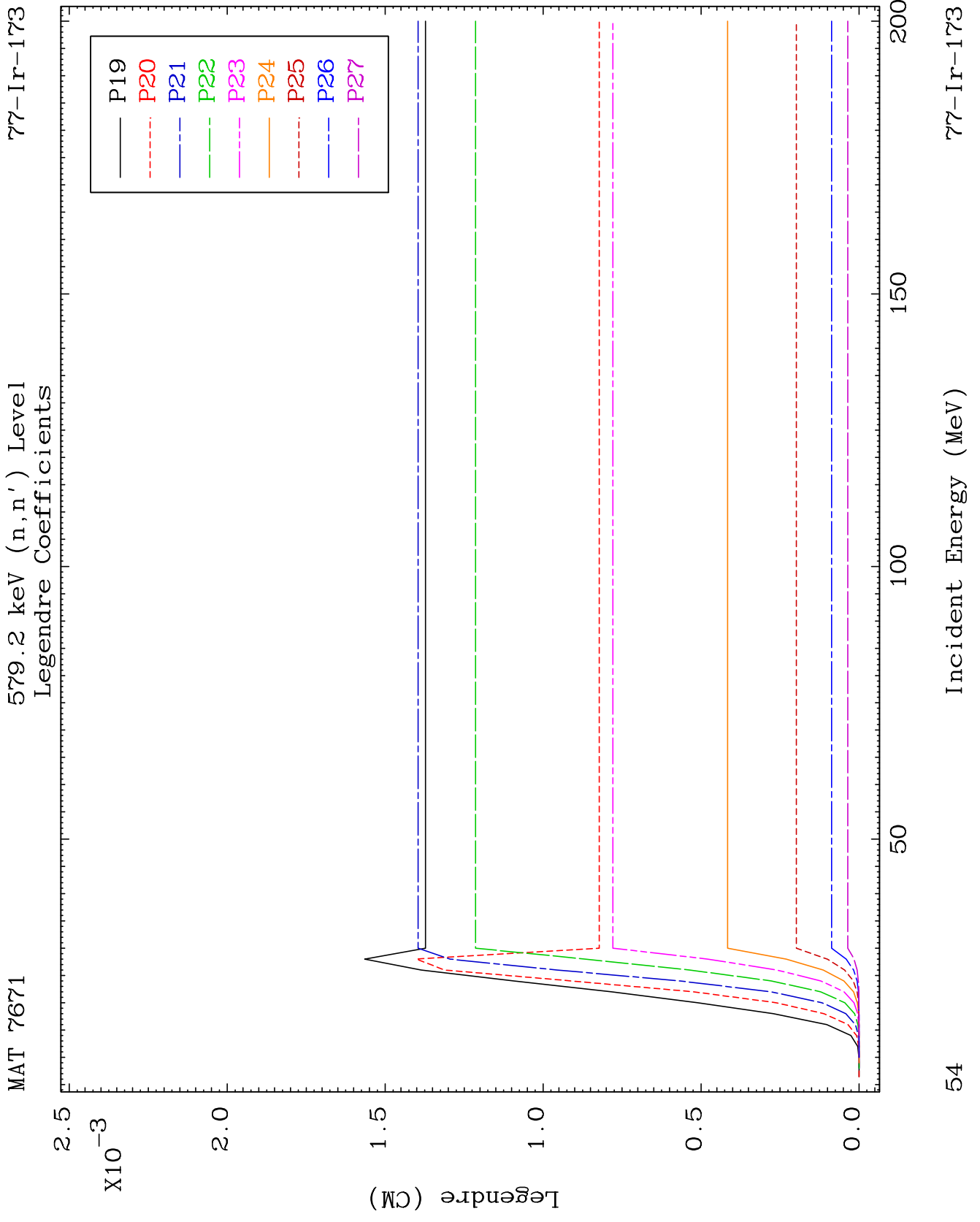
77-Ir-173



77-Ir-173

Incident Energy (MeV)

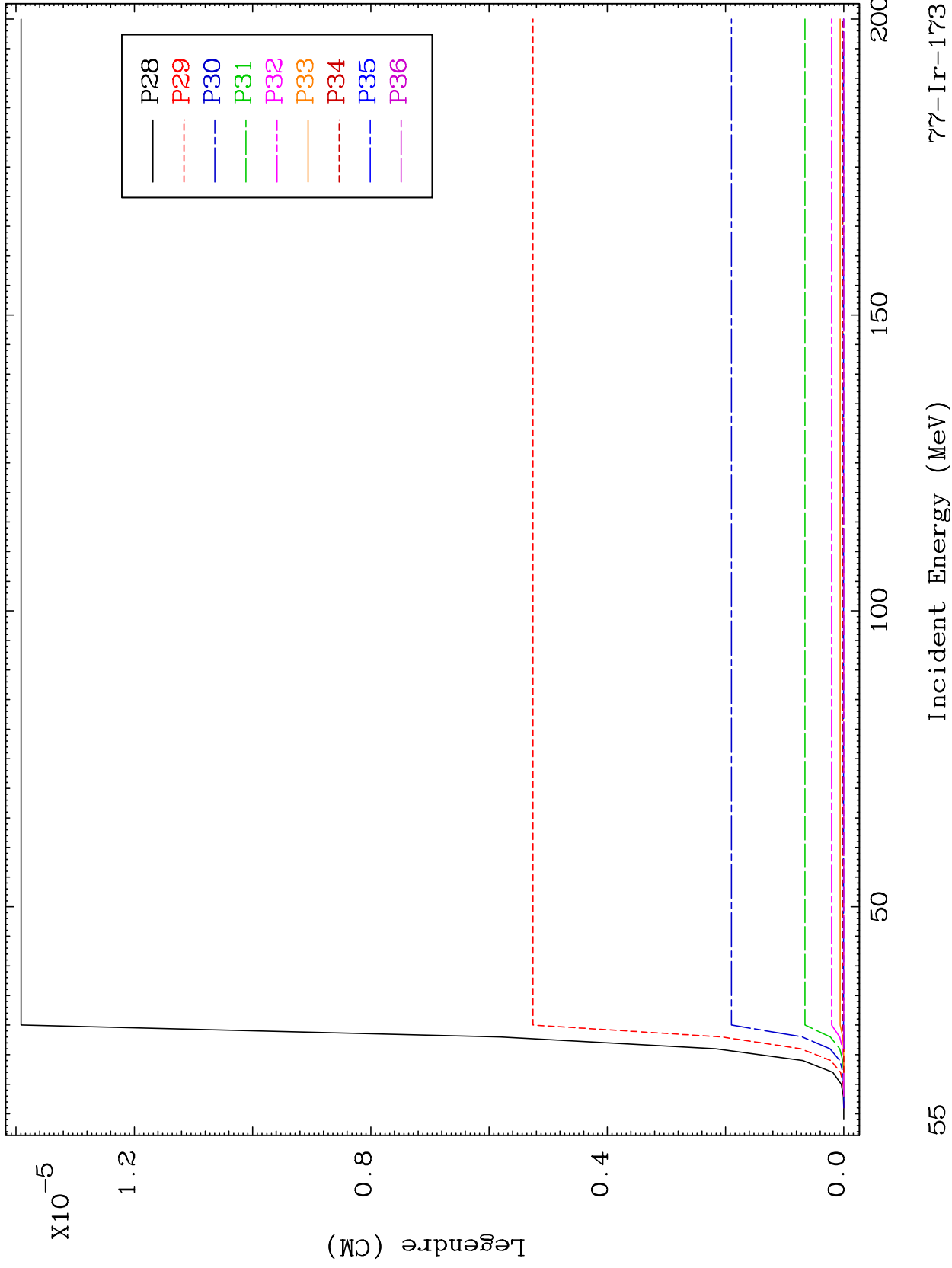
53



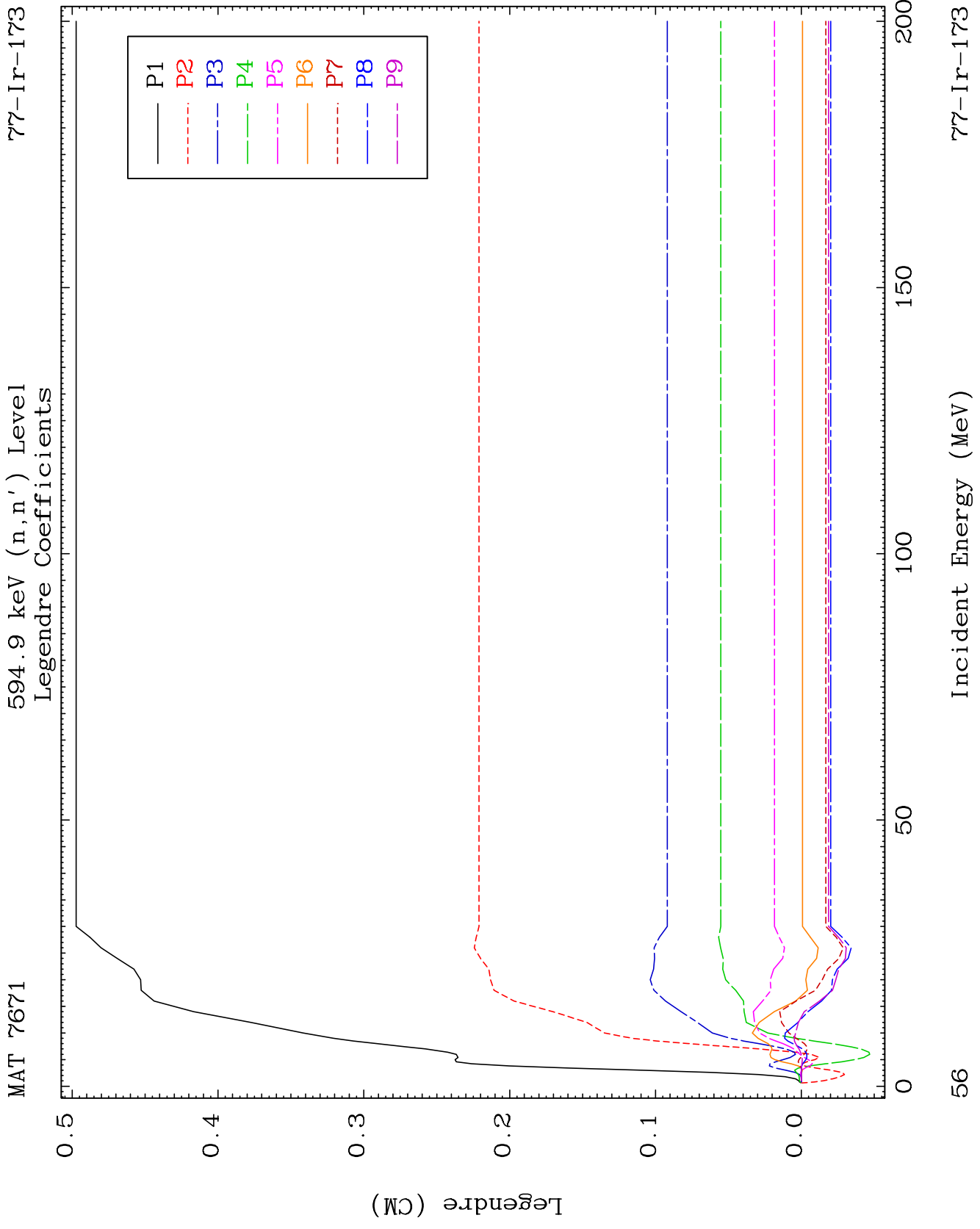
MAT 7671

579.2 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



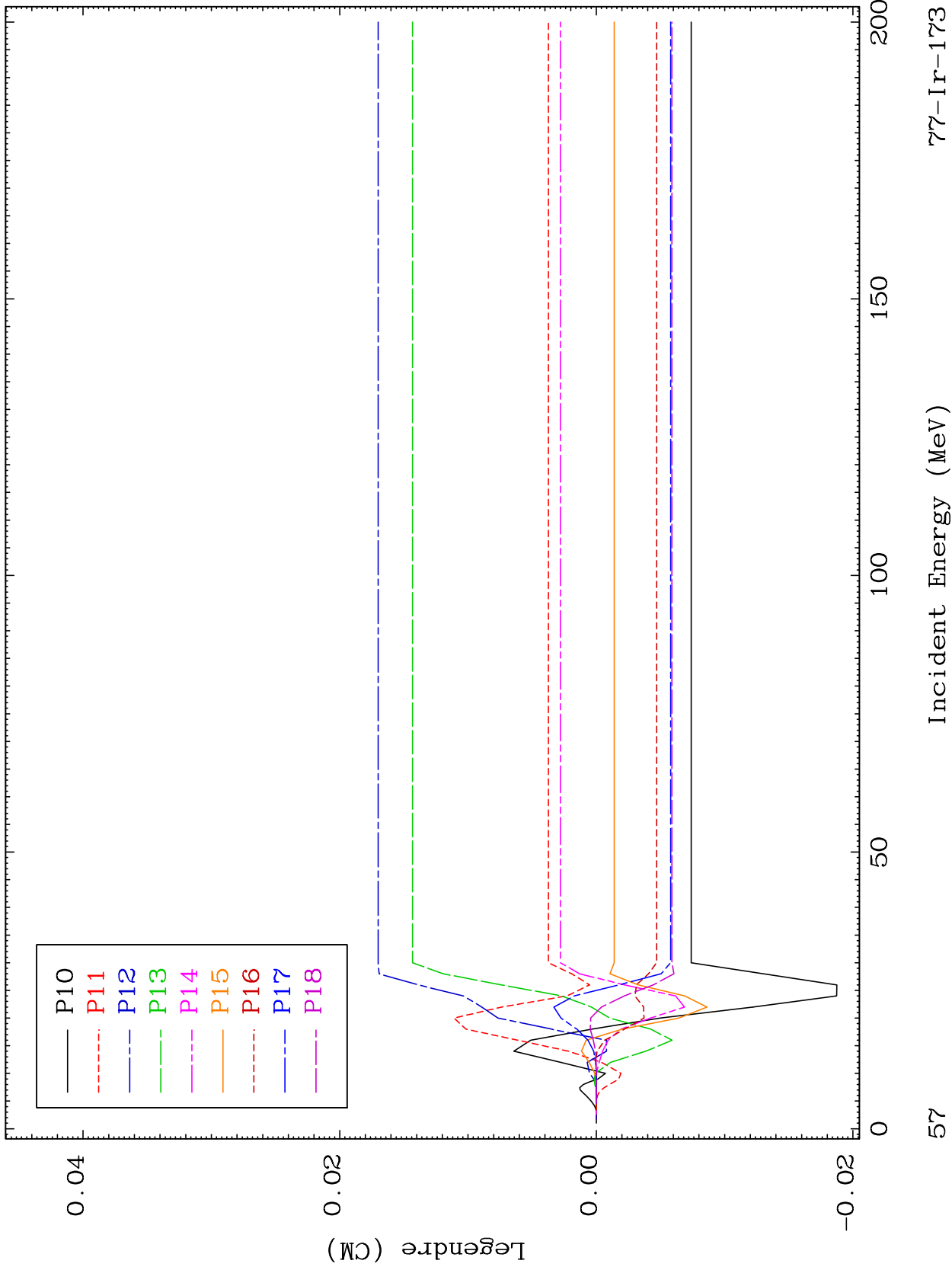




MAT 7671

594.9 keV (n, n') Level  
Legendre Coefficients

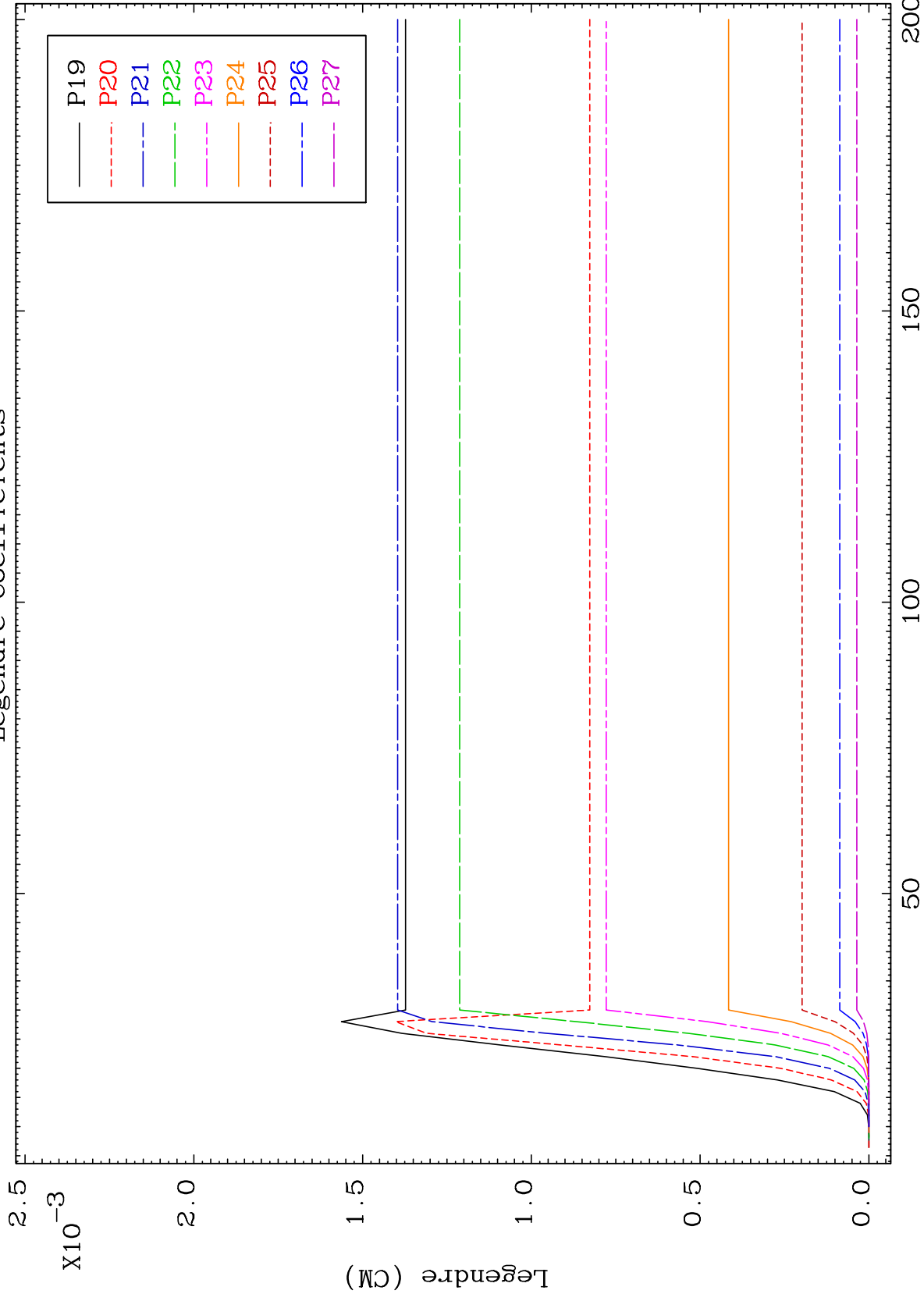
77-Ir-173



77-Ir-173

Incident Energy (MeV)

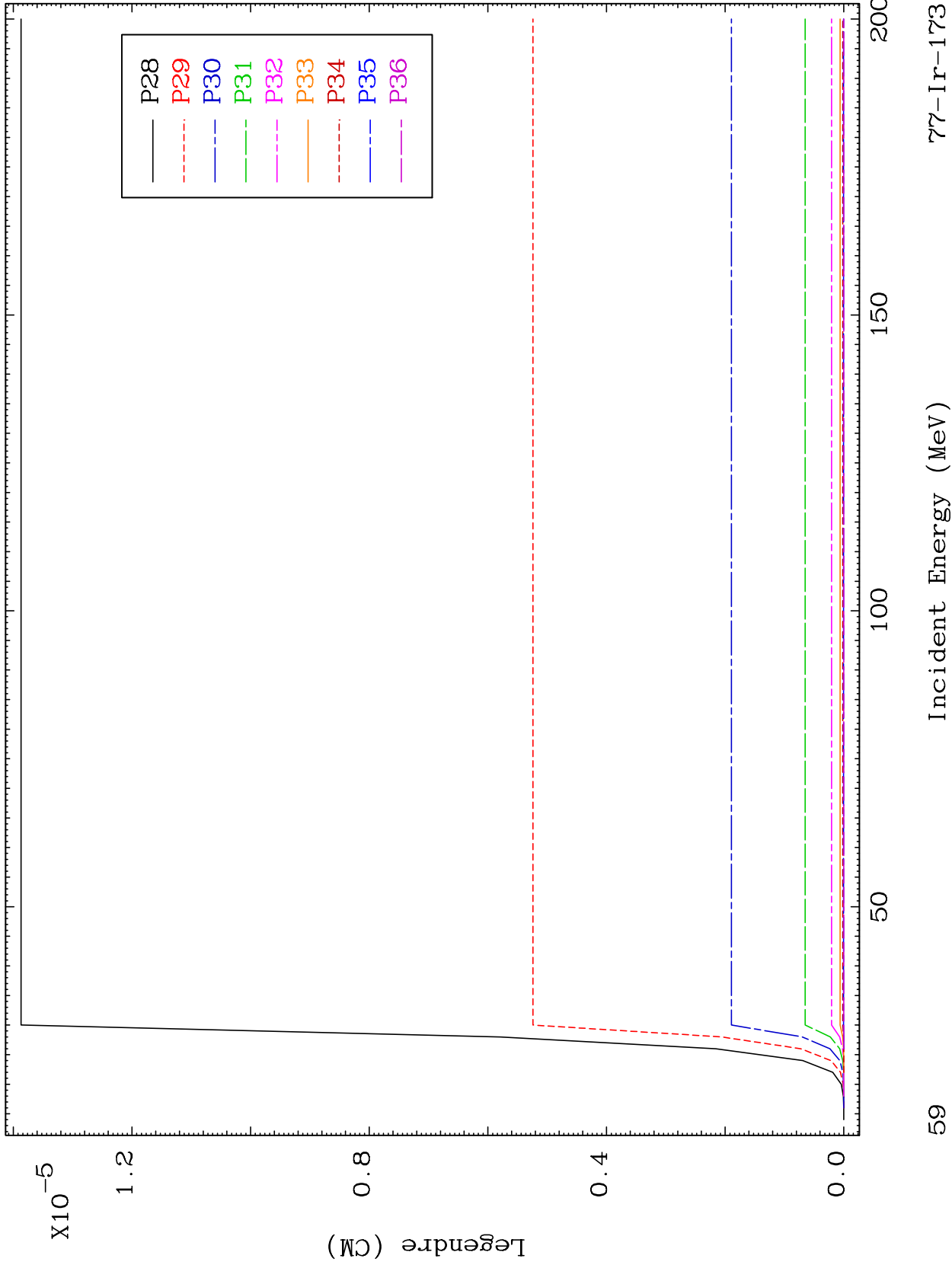
57



MAT 7671

594.9 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



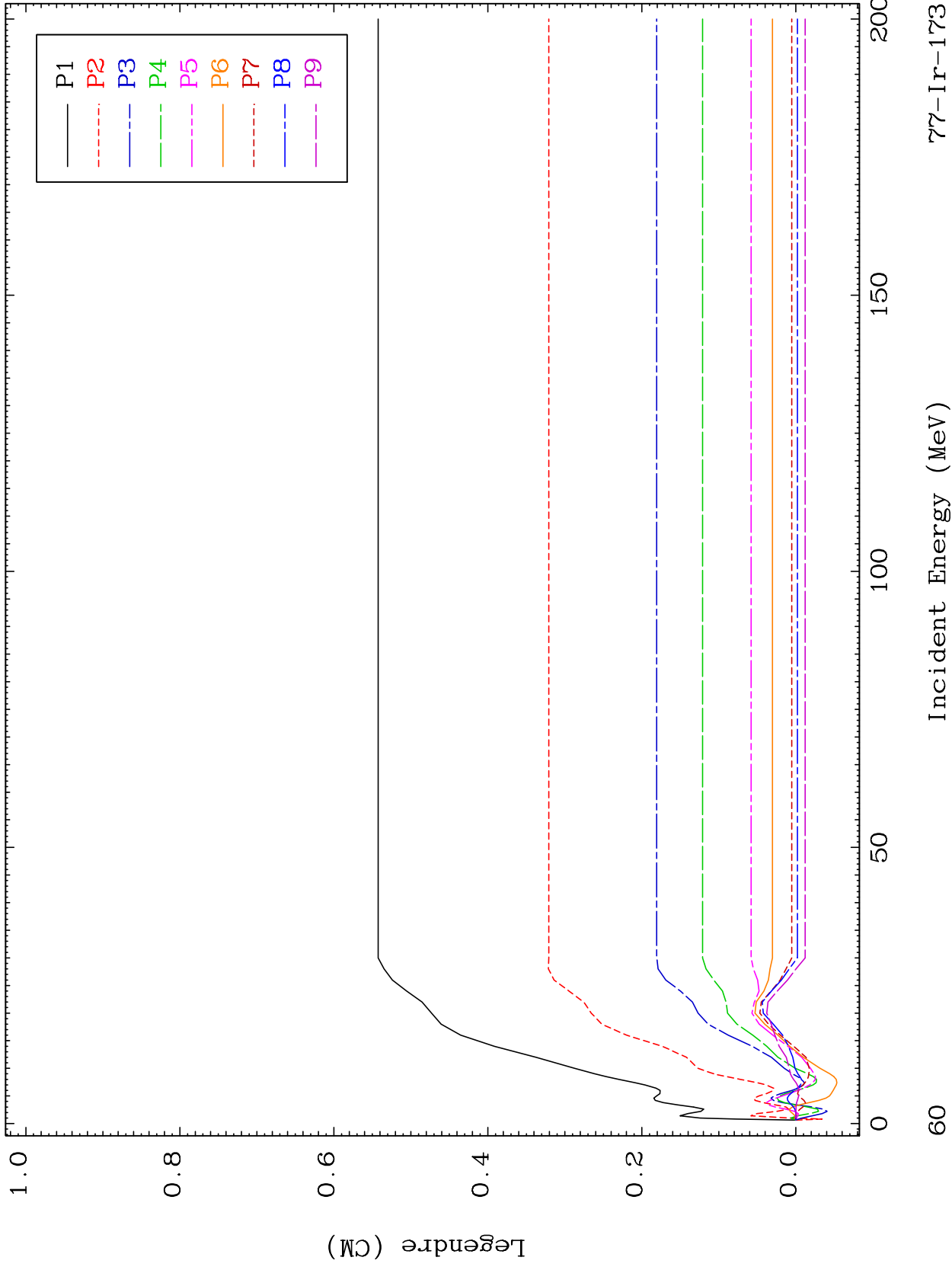
59

77-Ir-173

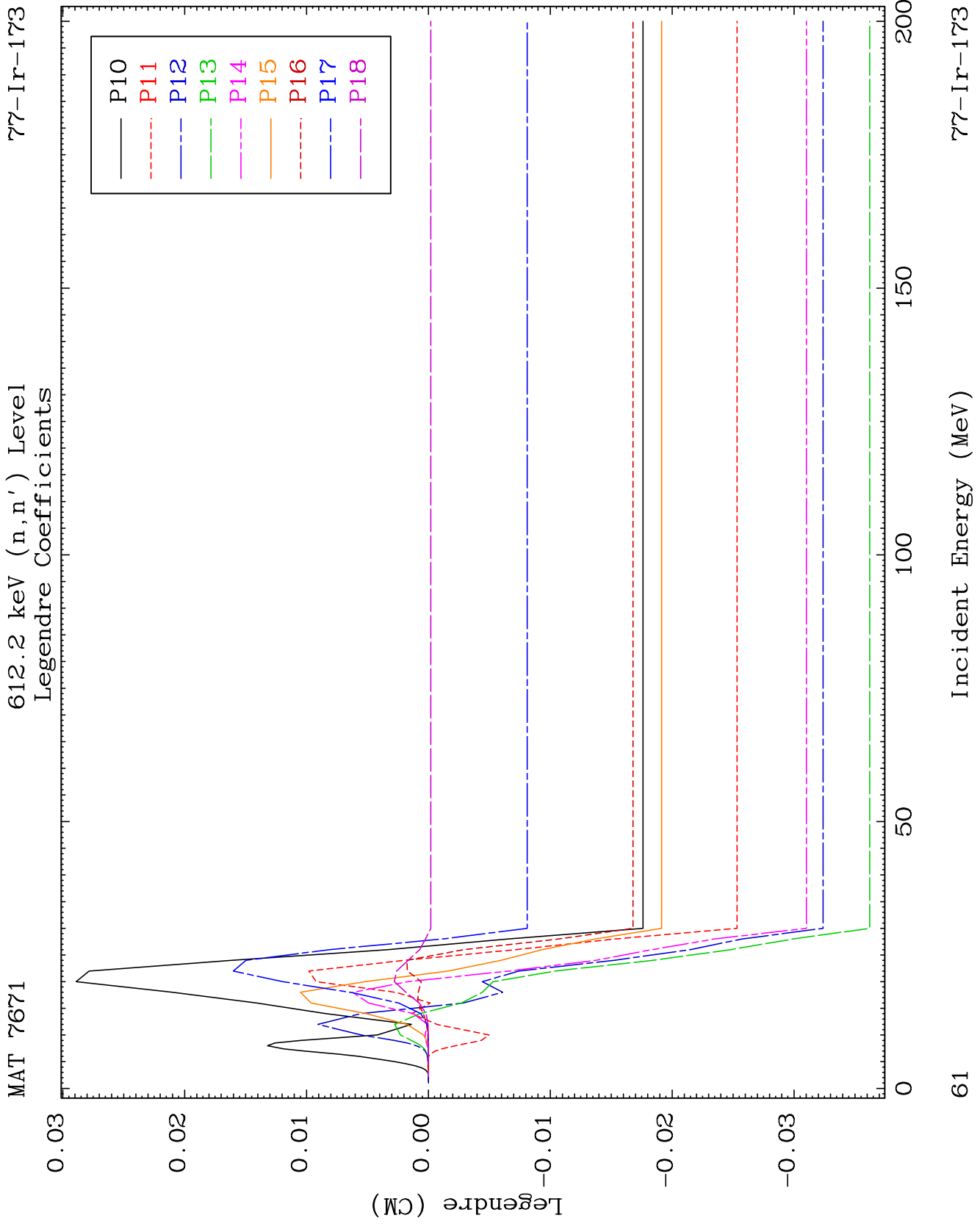
MAT 7671

612.2 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



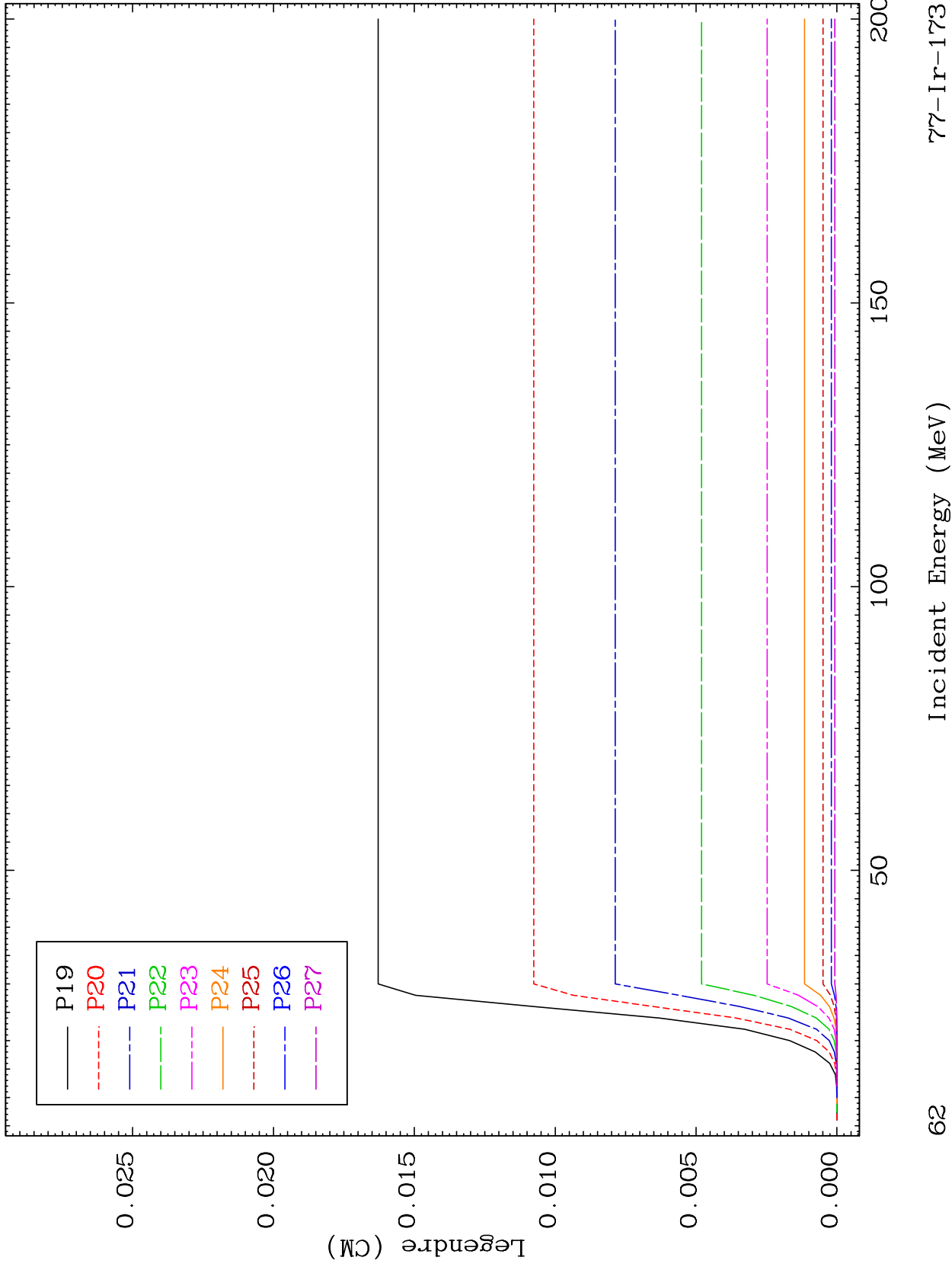
77-Ir-173



MAT 7671

612.2 keV (n,n') Level  
Legendre Coefficients

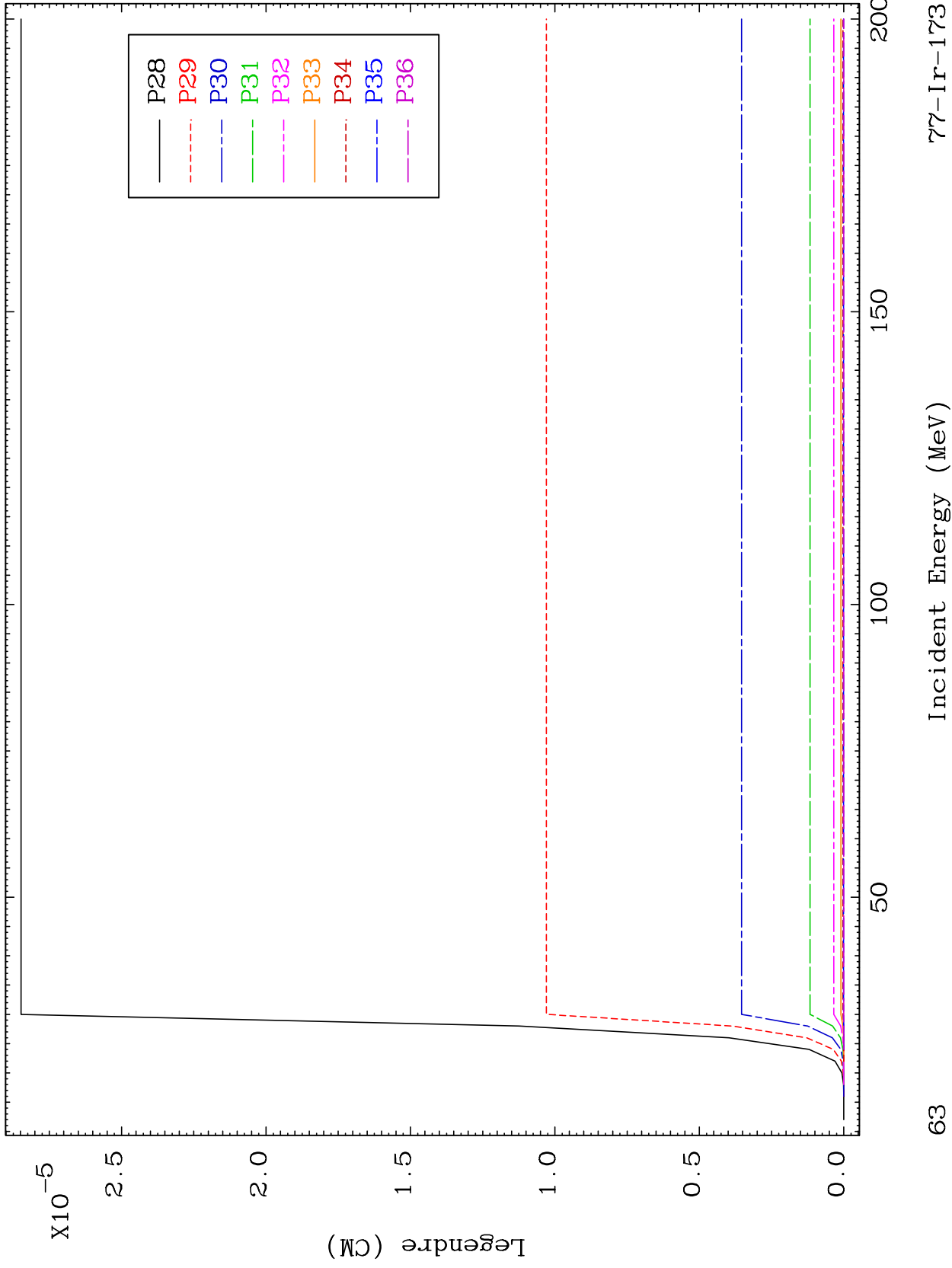
77-Ir-173



77-Ir-173

Incident Energy (MeV)

62

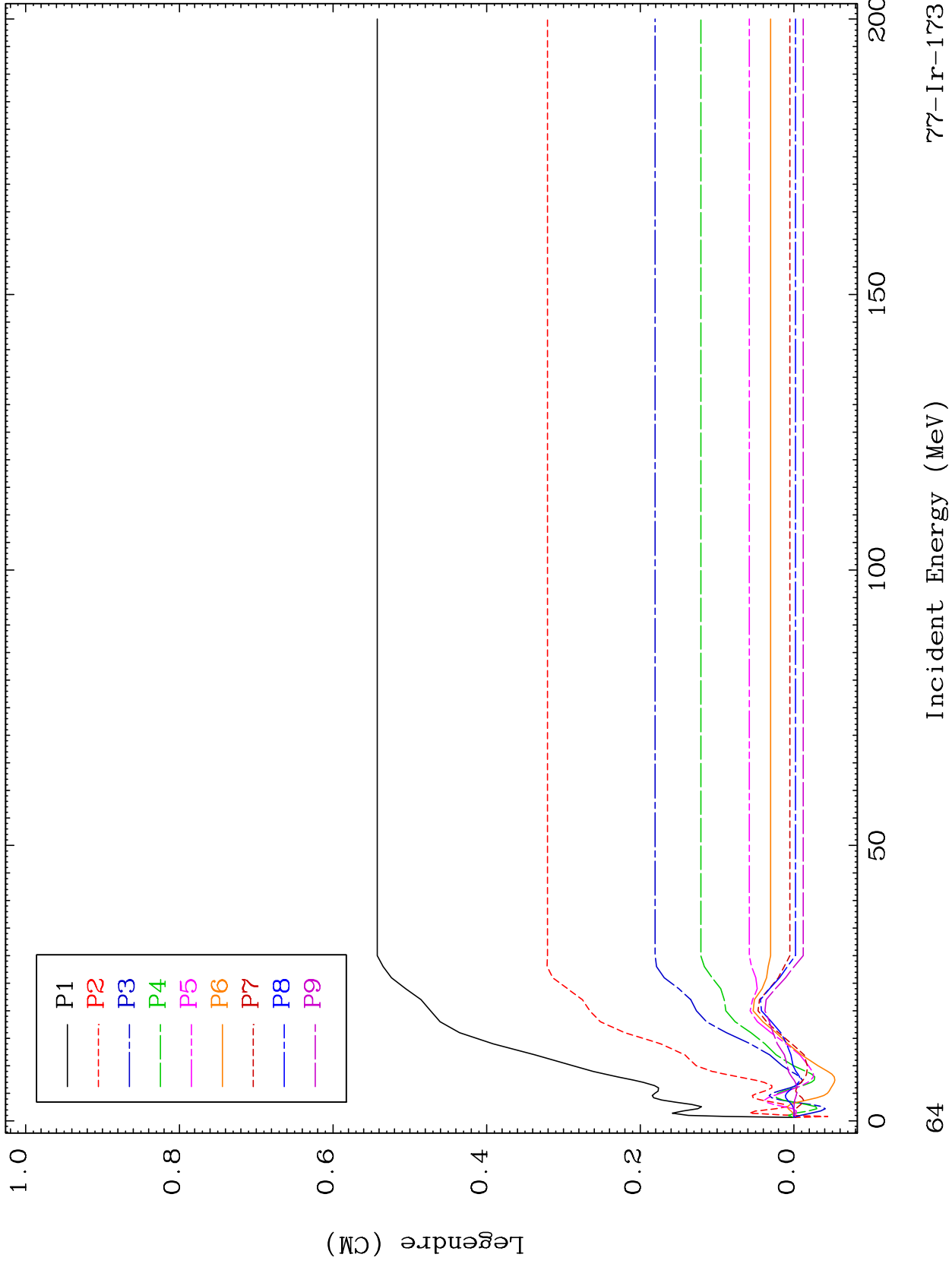




MAT 7671

618.7 keV (n, n') Level  
Legendre Coefficients

<sup>77</sup>Ir-173

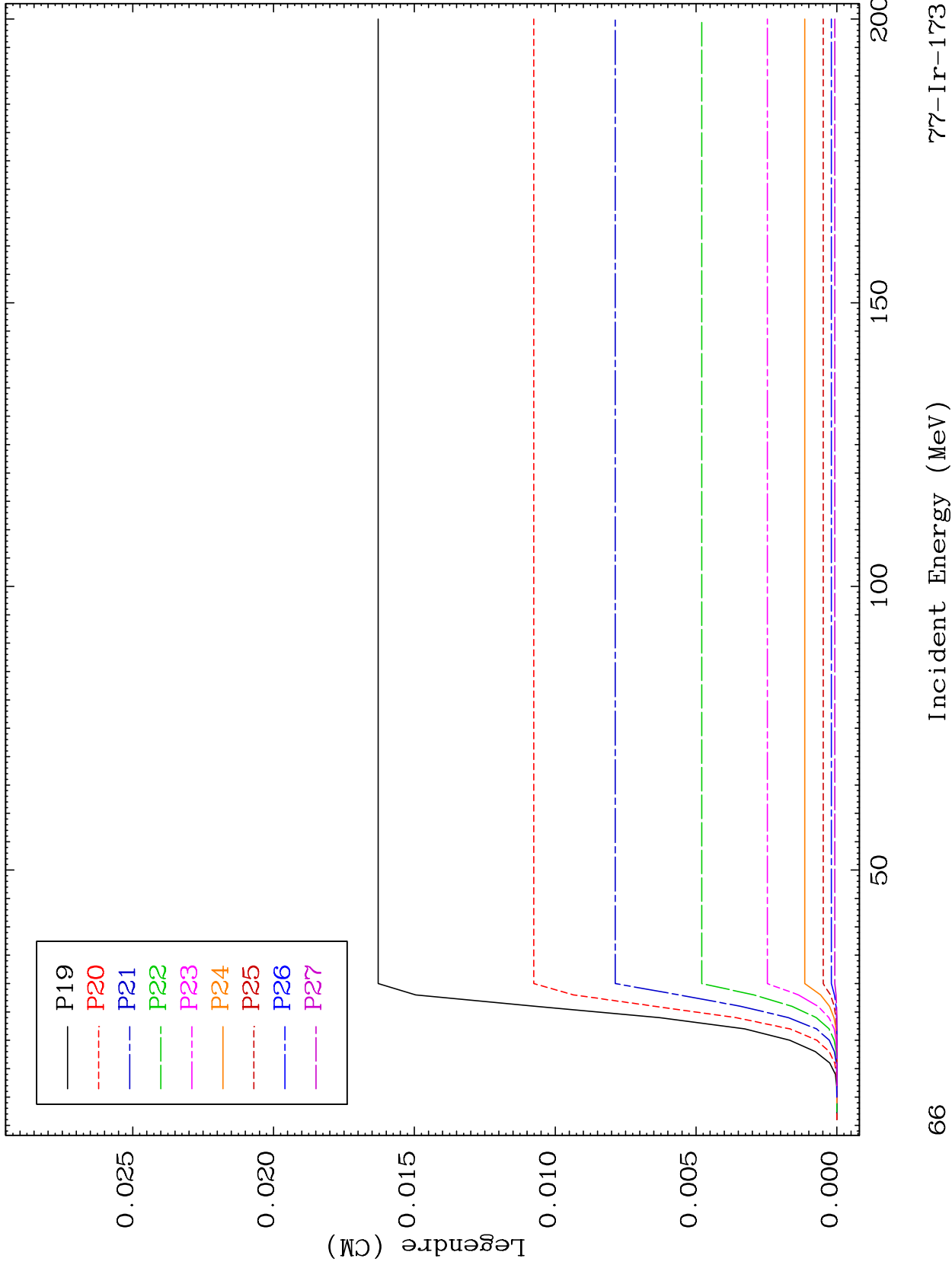


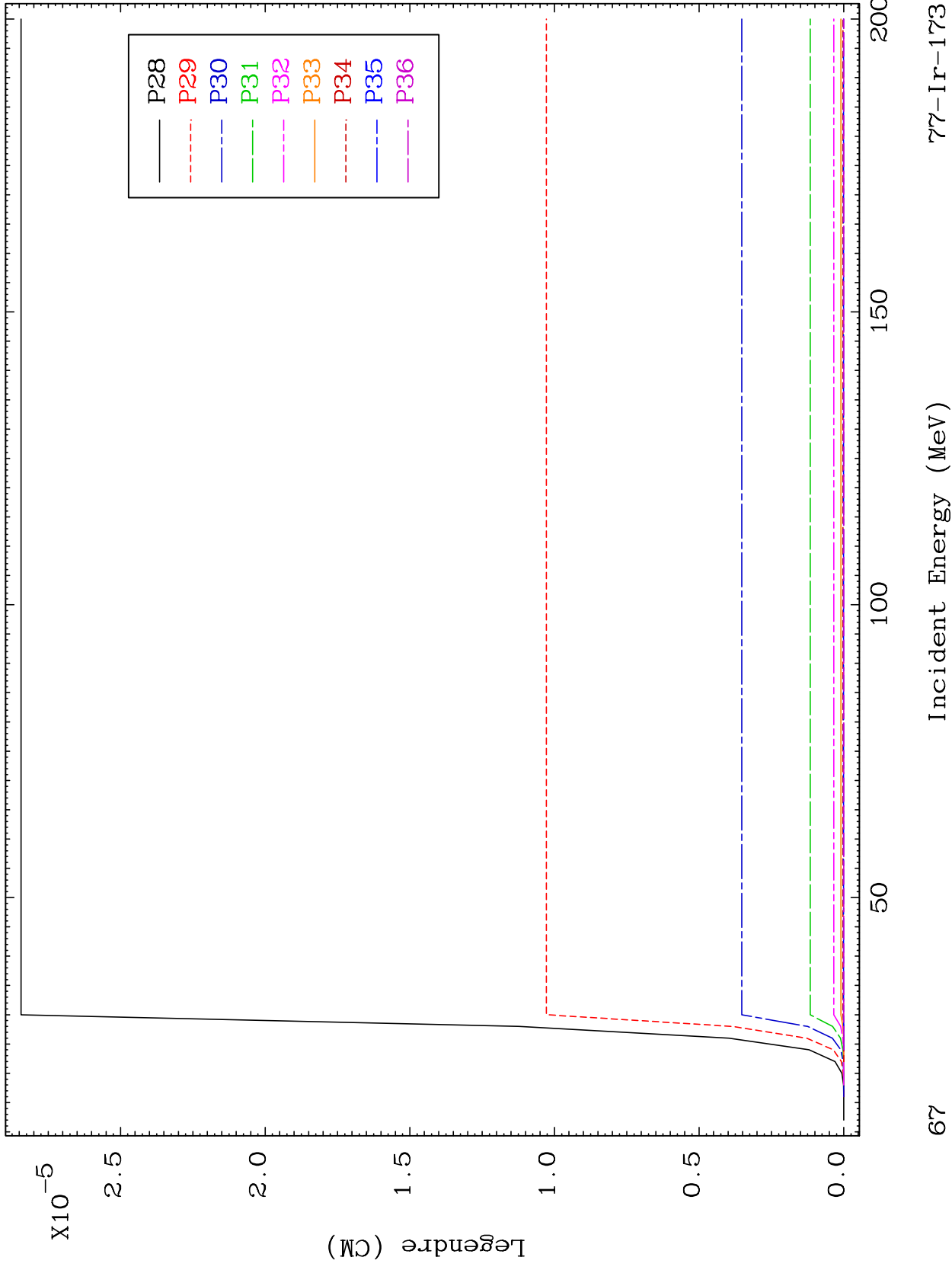
<sup>77</sup>Ir-173

Incident Energy (MeV)

64



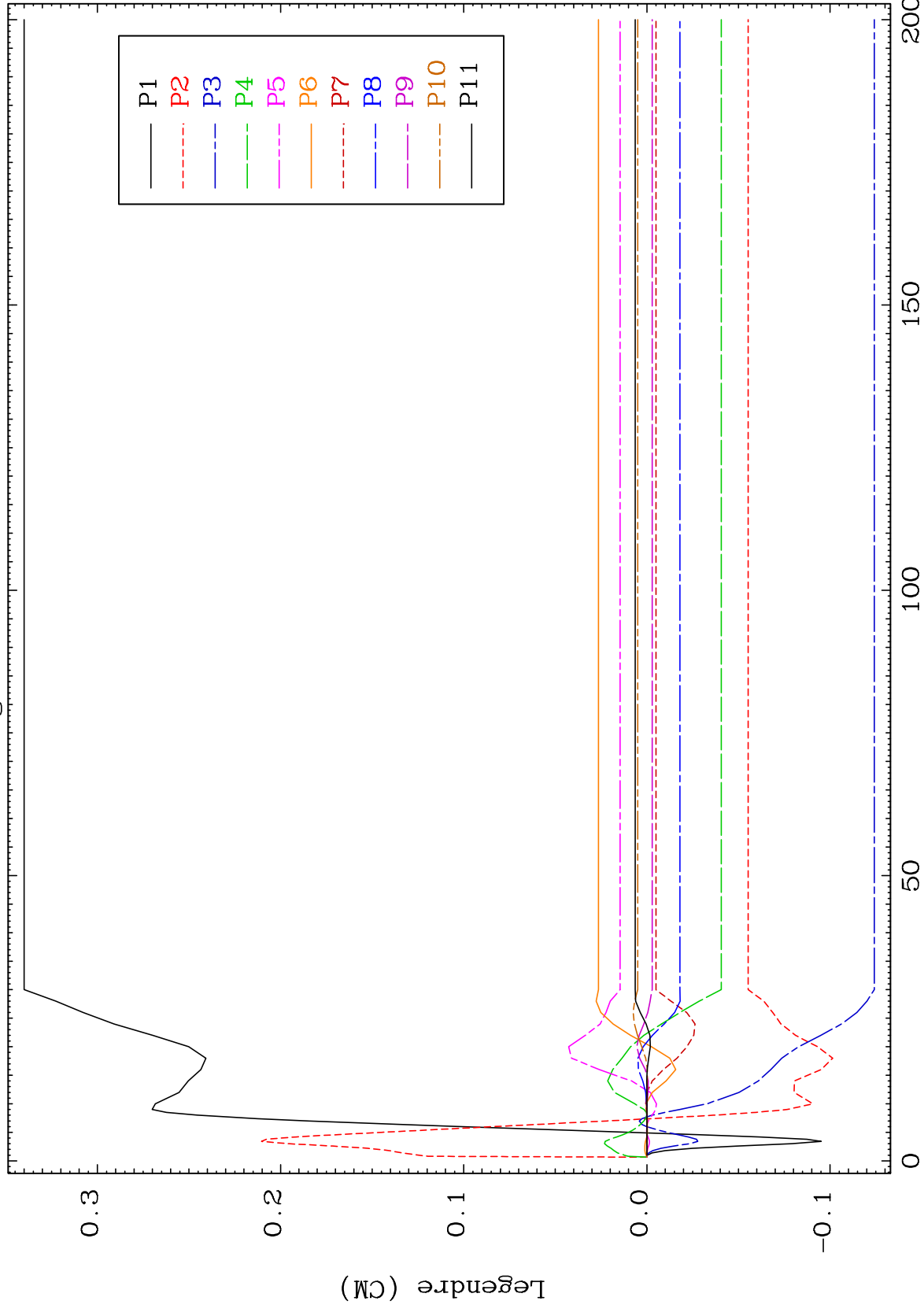




MAT 7671

639.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



68

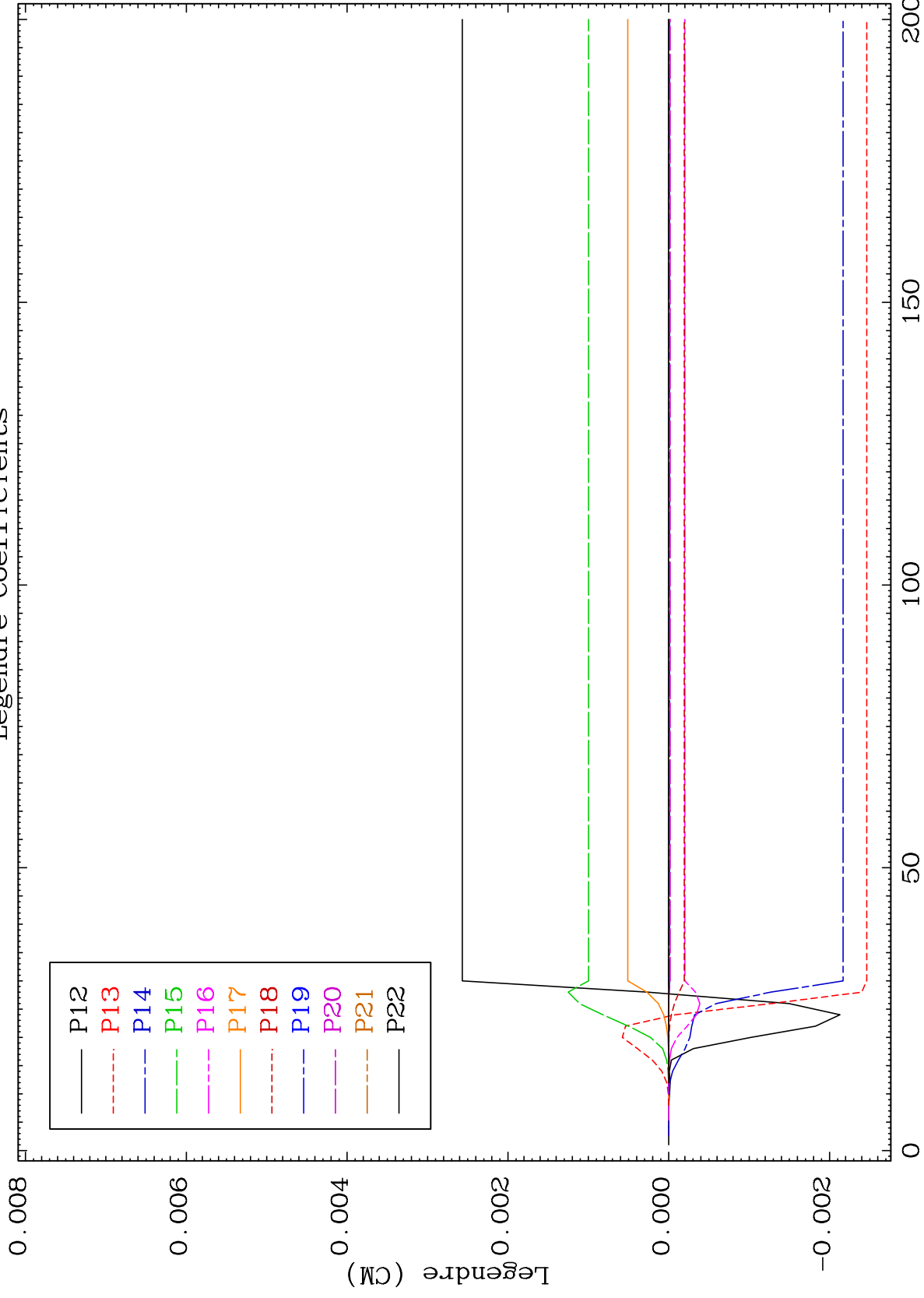
Incident Energy (MeV)

77-Ir-173

MAT 7671

639.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



69

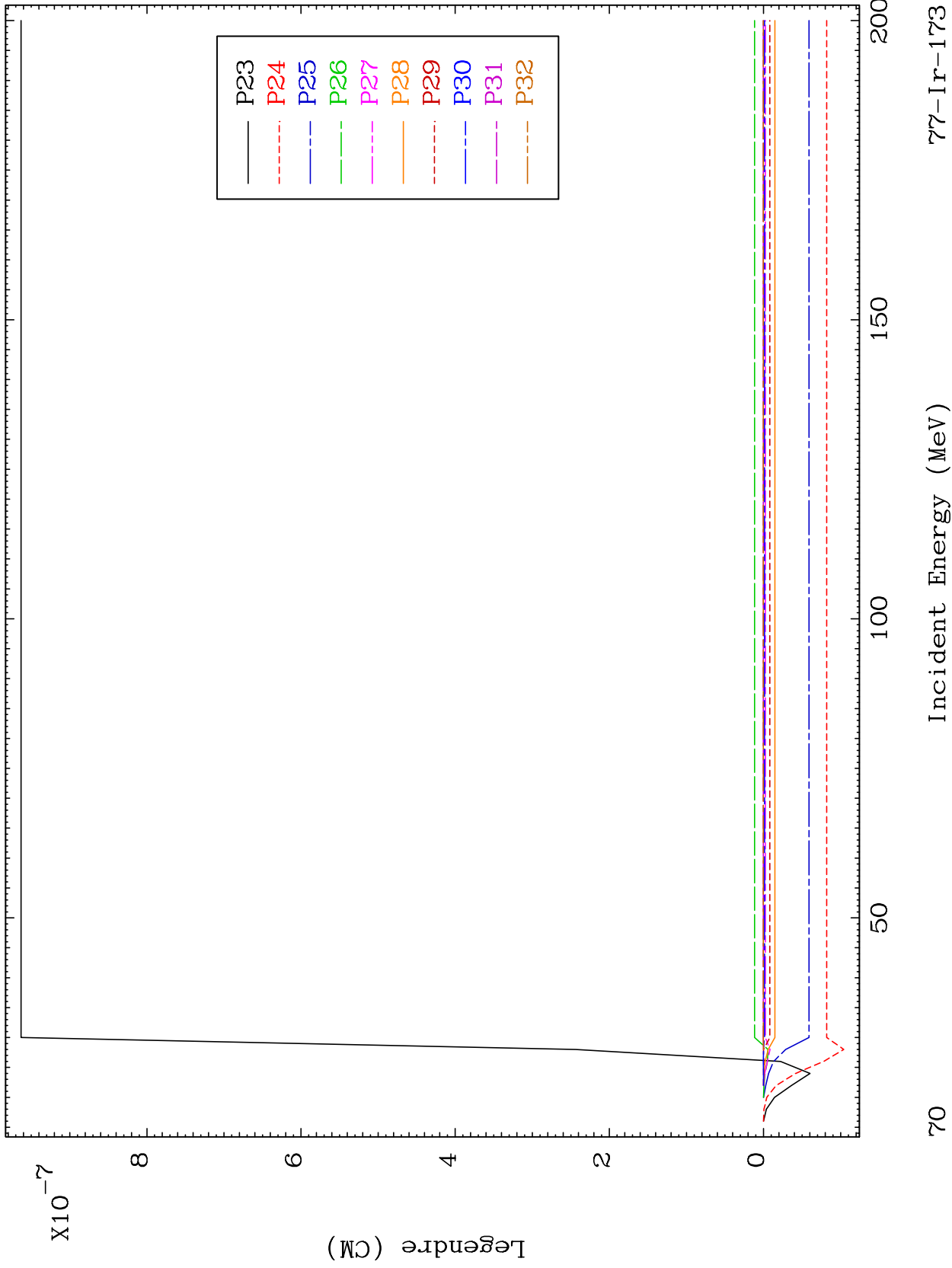
Incident Energy (MeV)

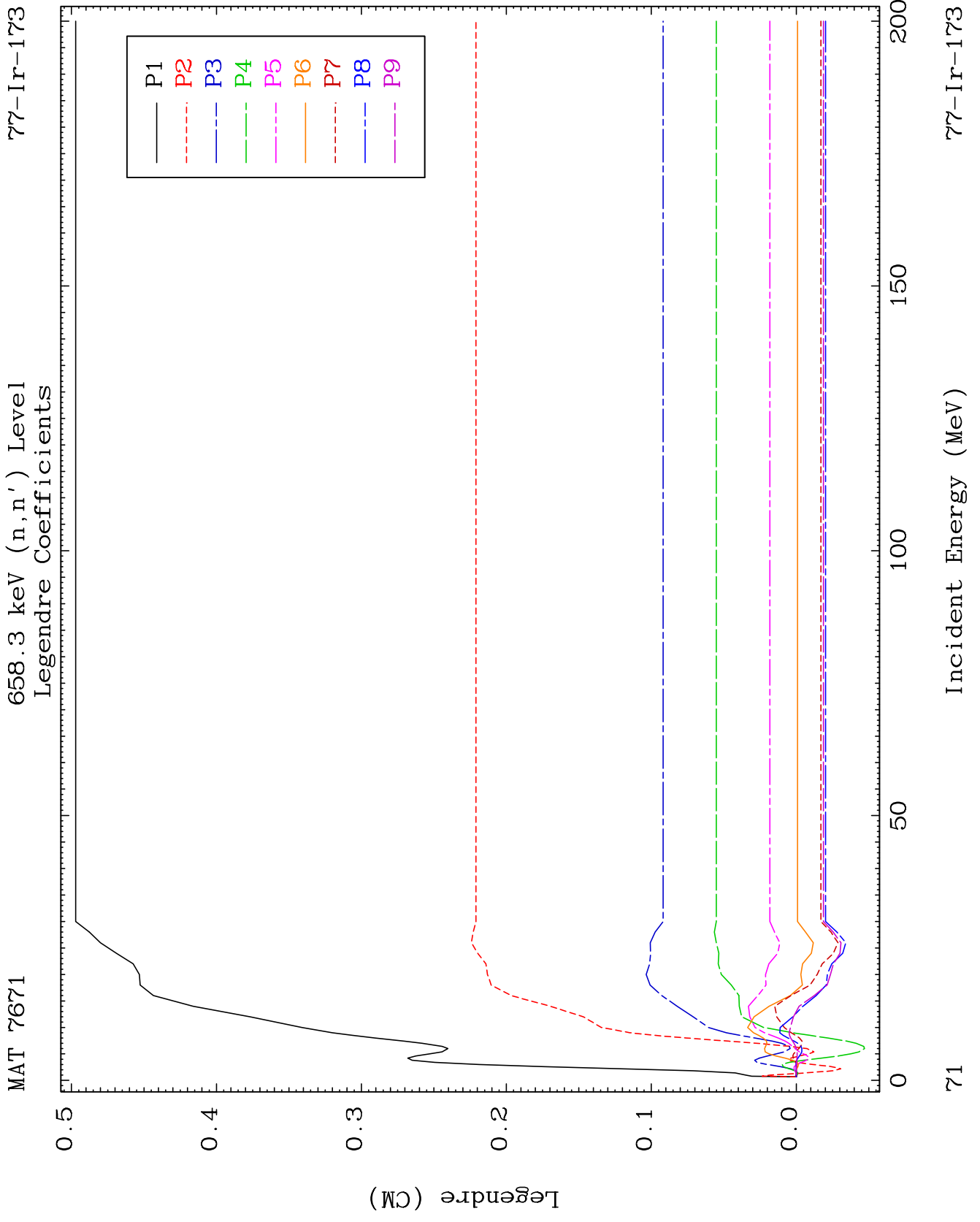
77-Ir-173

MAT 7671

639.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



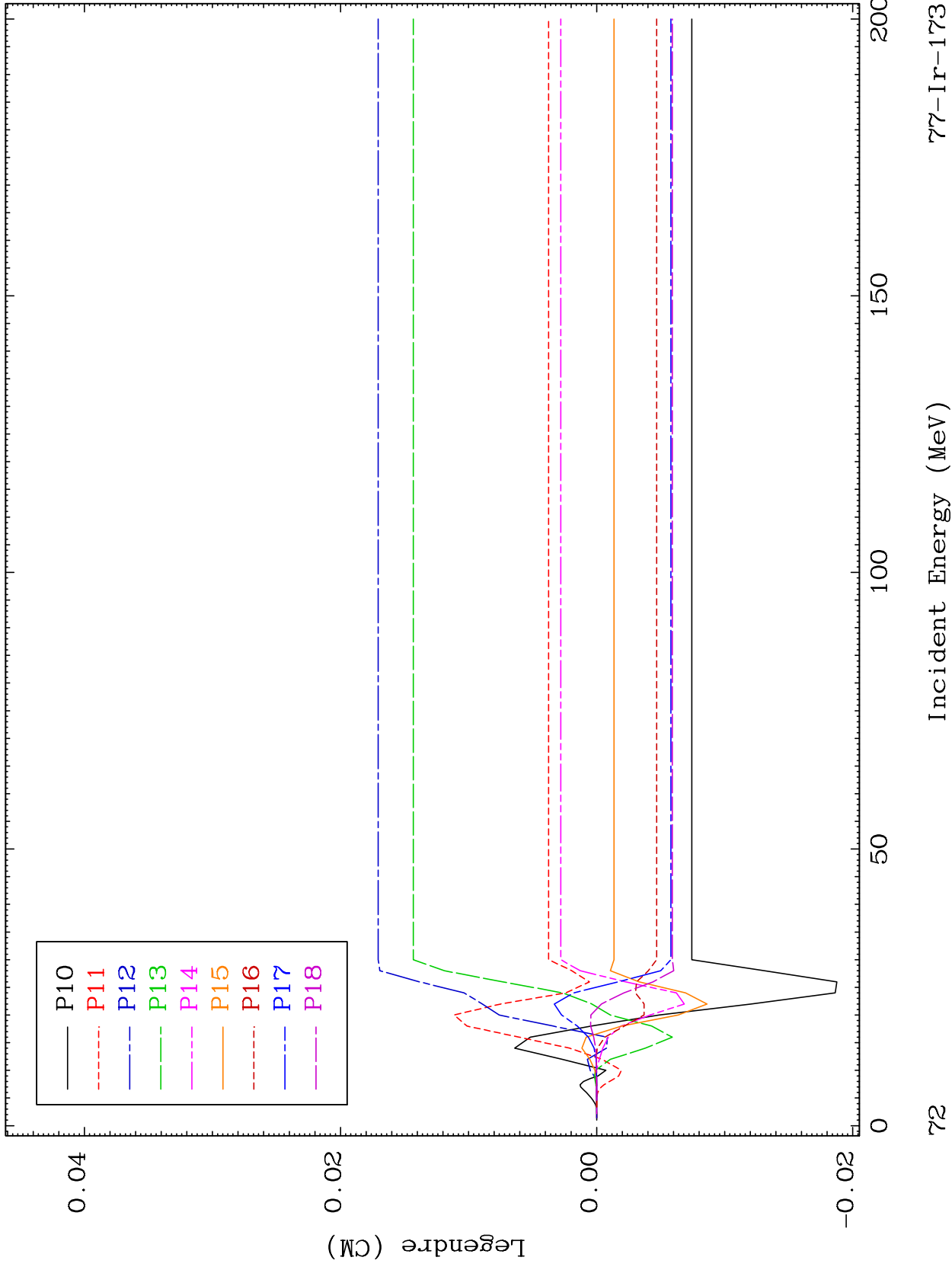




MAT 7671

658.3 keV (n,n') Level  
Legendre Coefficients

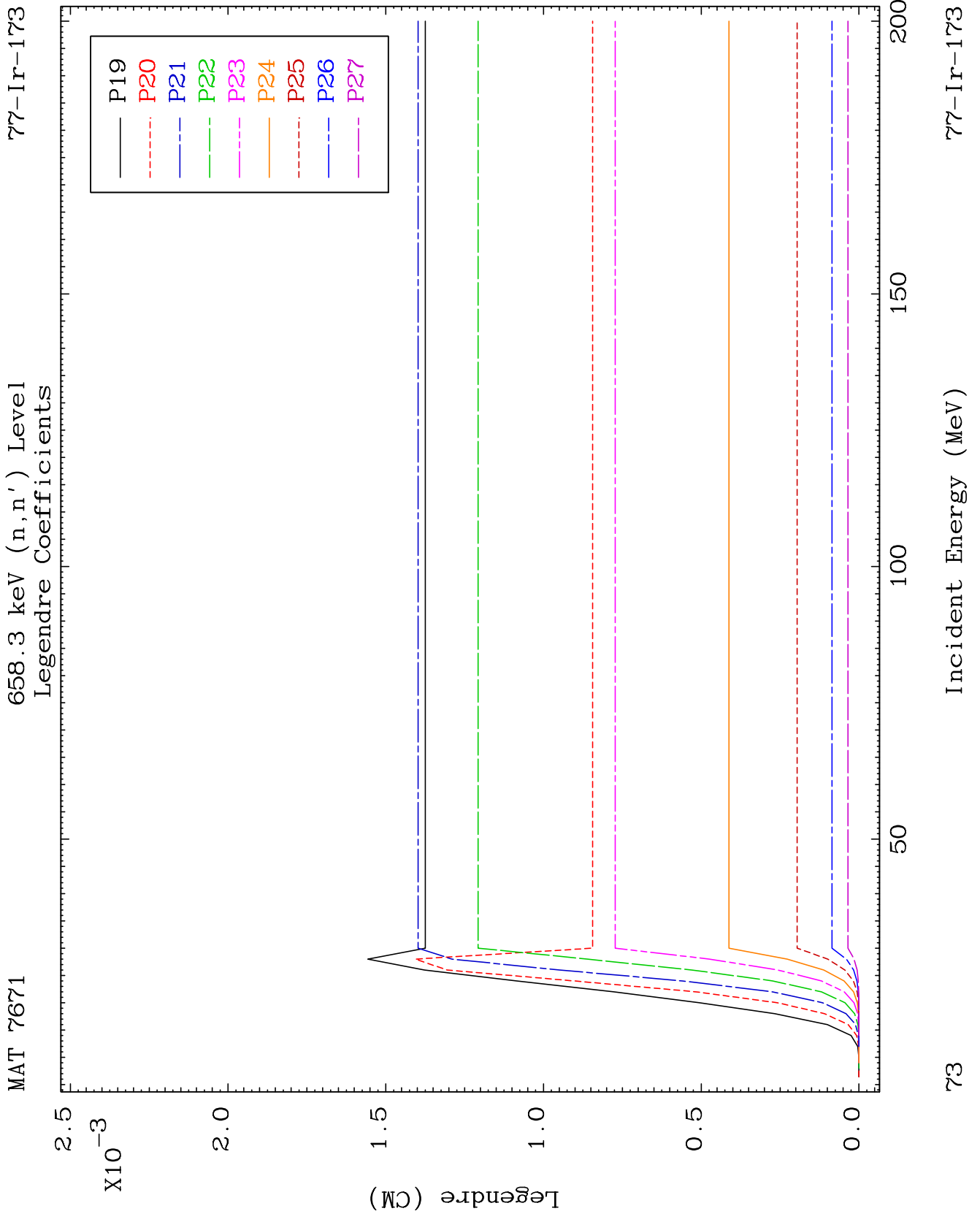
77-Ir-173



72

Incident Energy (MeV)

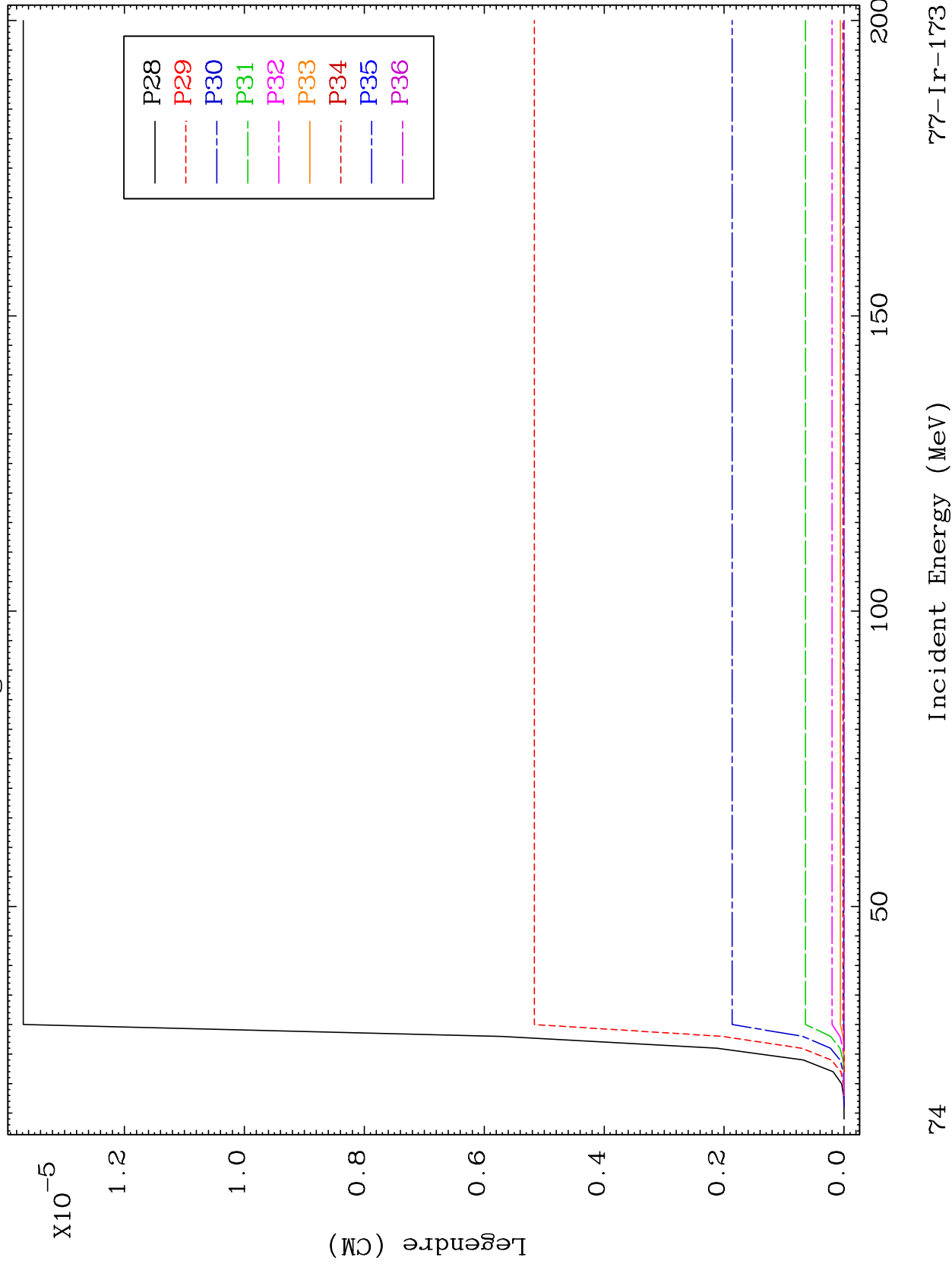
77-Ir-173



MAT 7671

658.3 keV (n,n') Level  
Legendre Coefficients

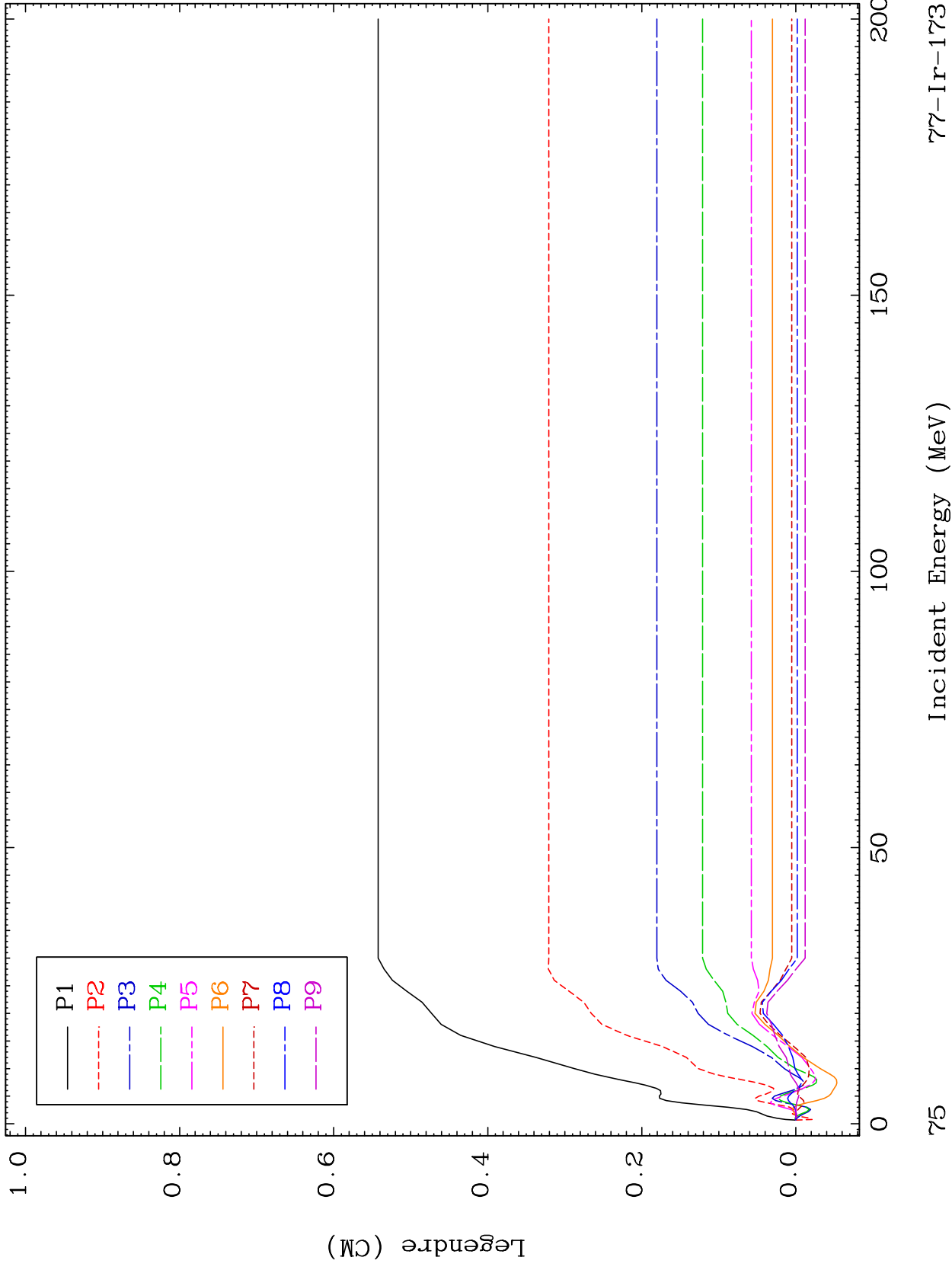
77-Ir-173



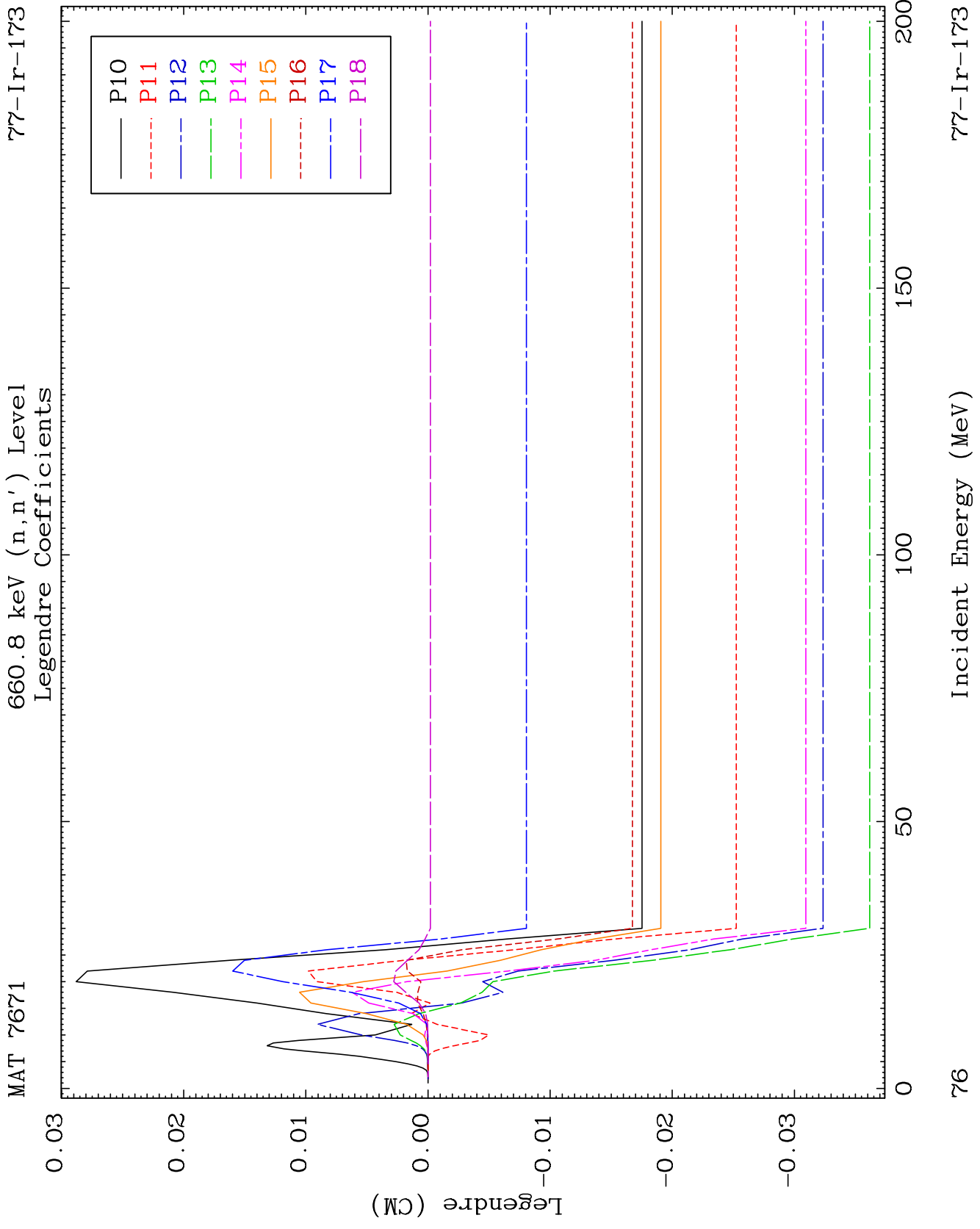
MAT 7671

660.8 keV (n, n') Level  
Legendre Coefficients

77-Ir-173



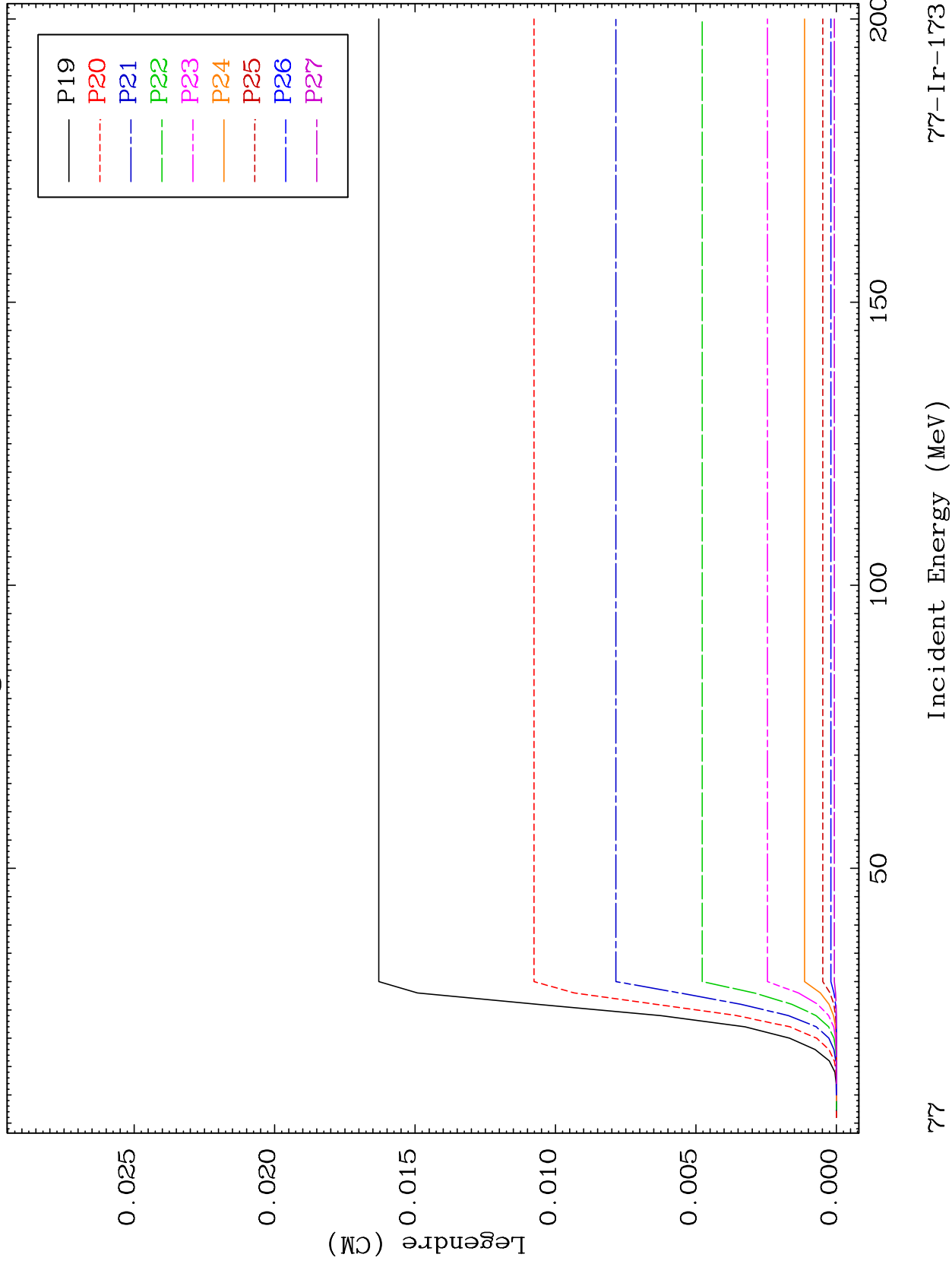
75

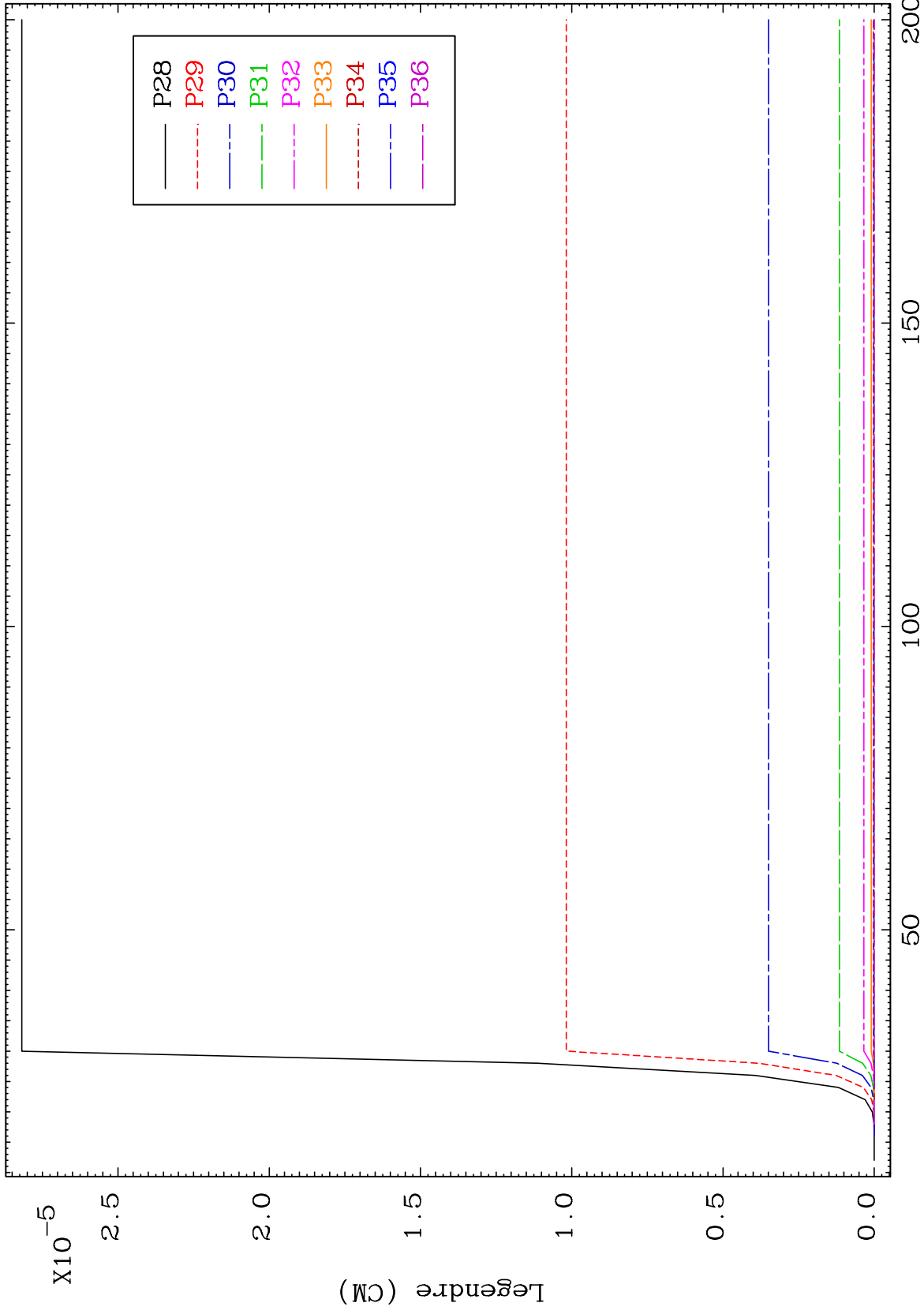


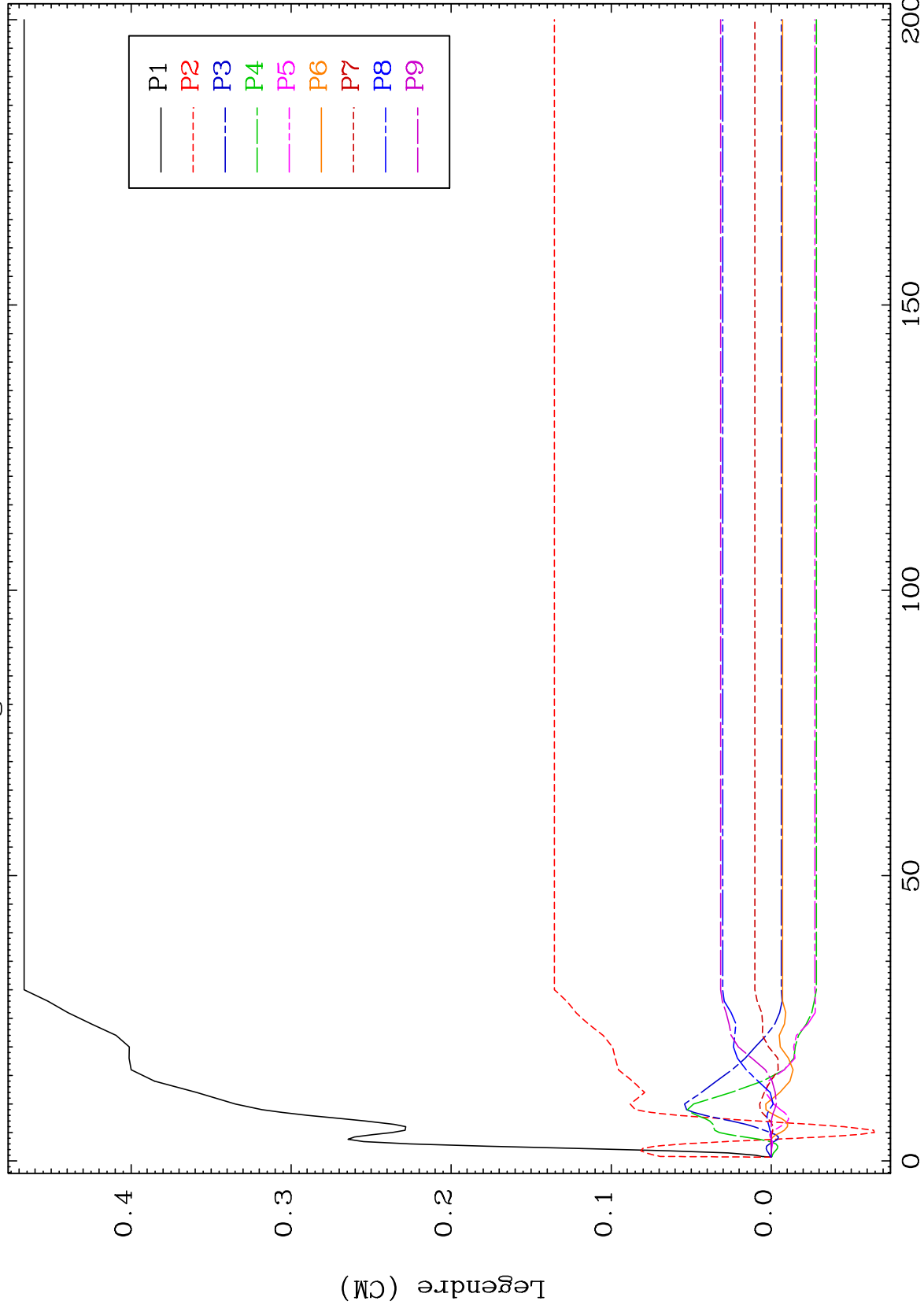
MAT 7671

660.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-173





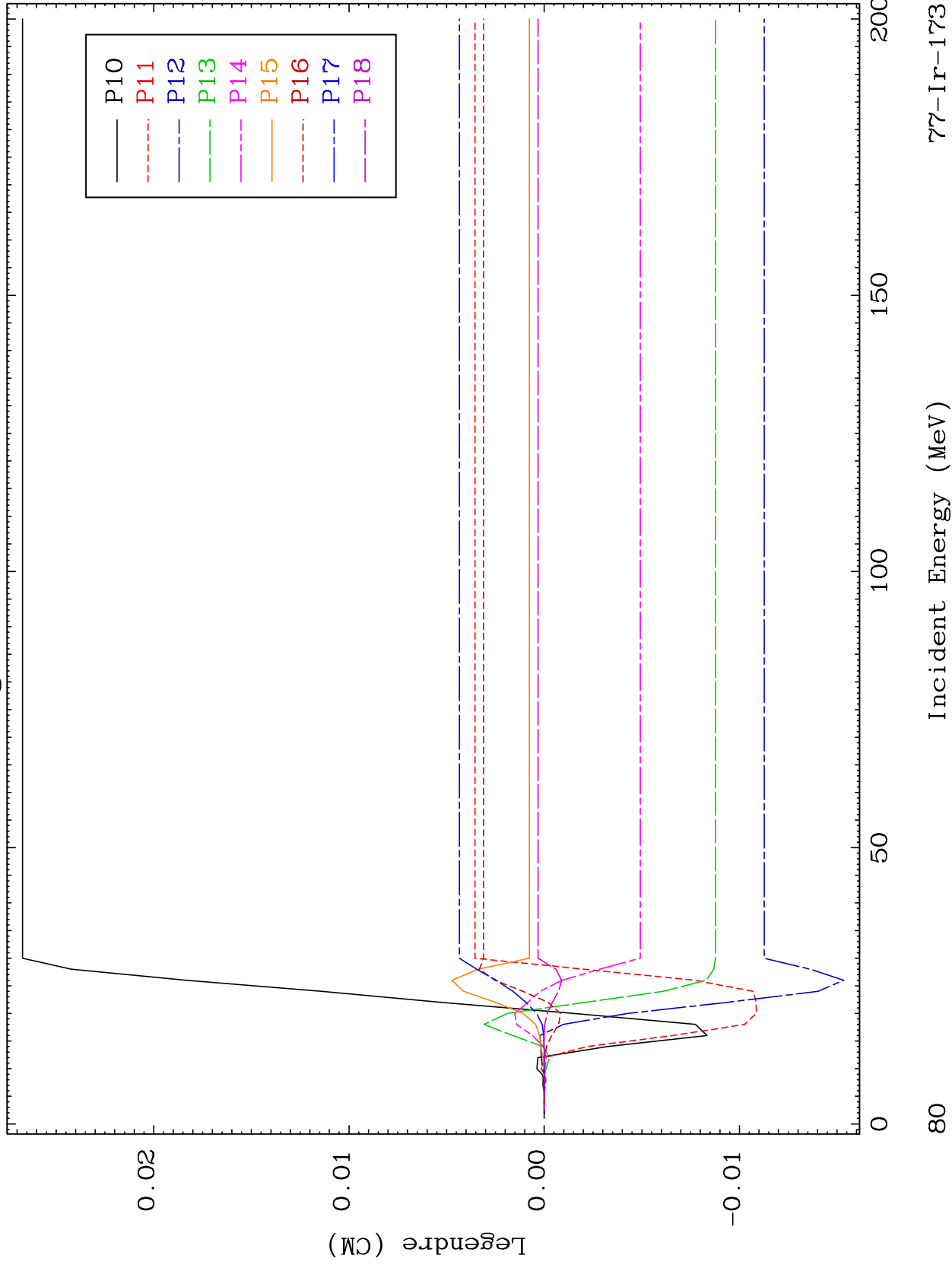




MAT 7671

662.4 keV (n,n') Level  
Legendre Coefficients

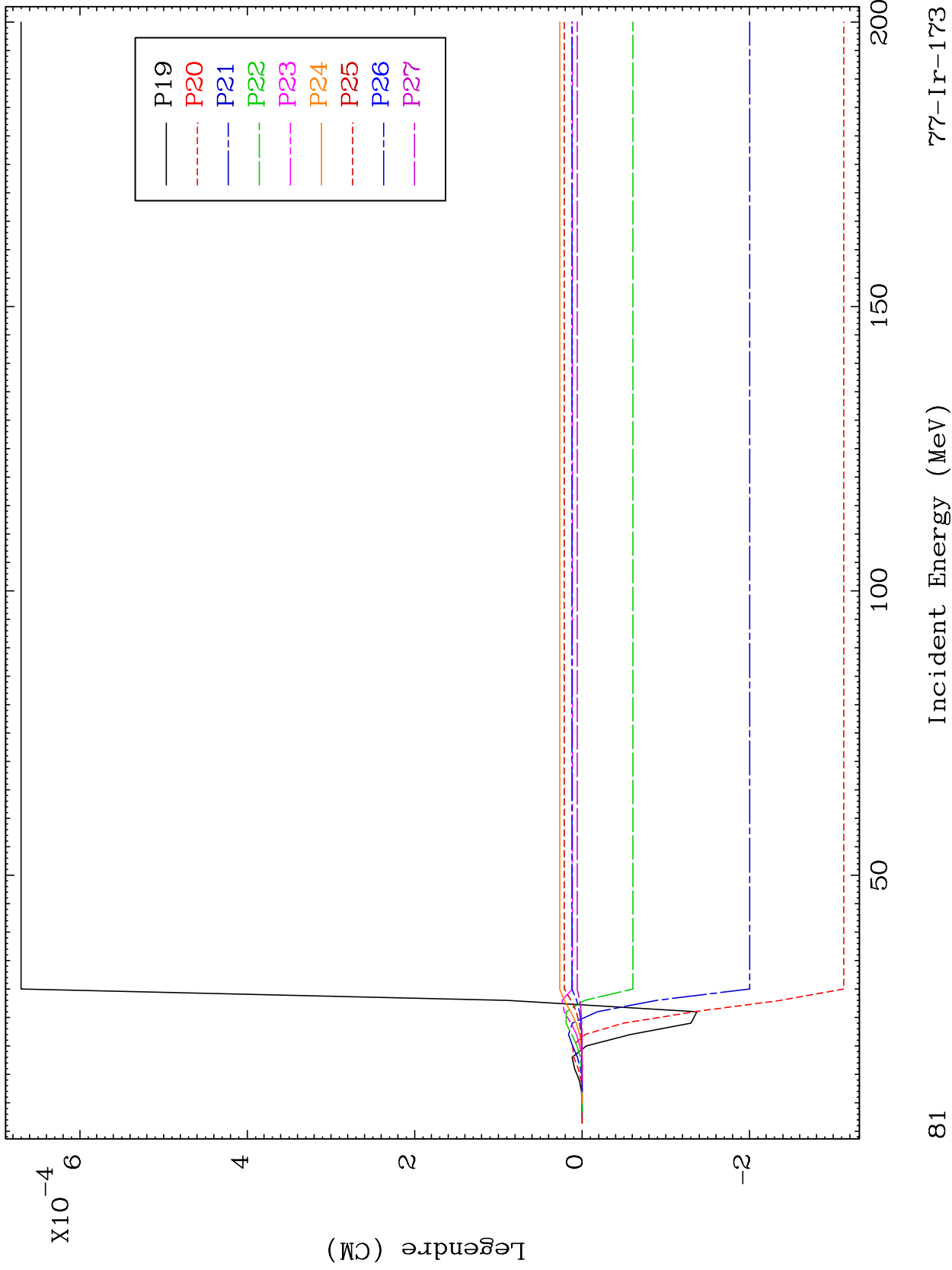
77-Ir-173



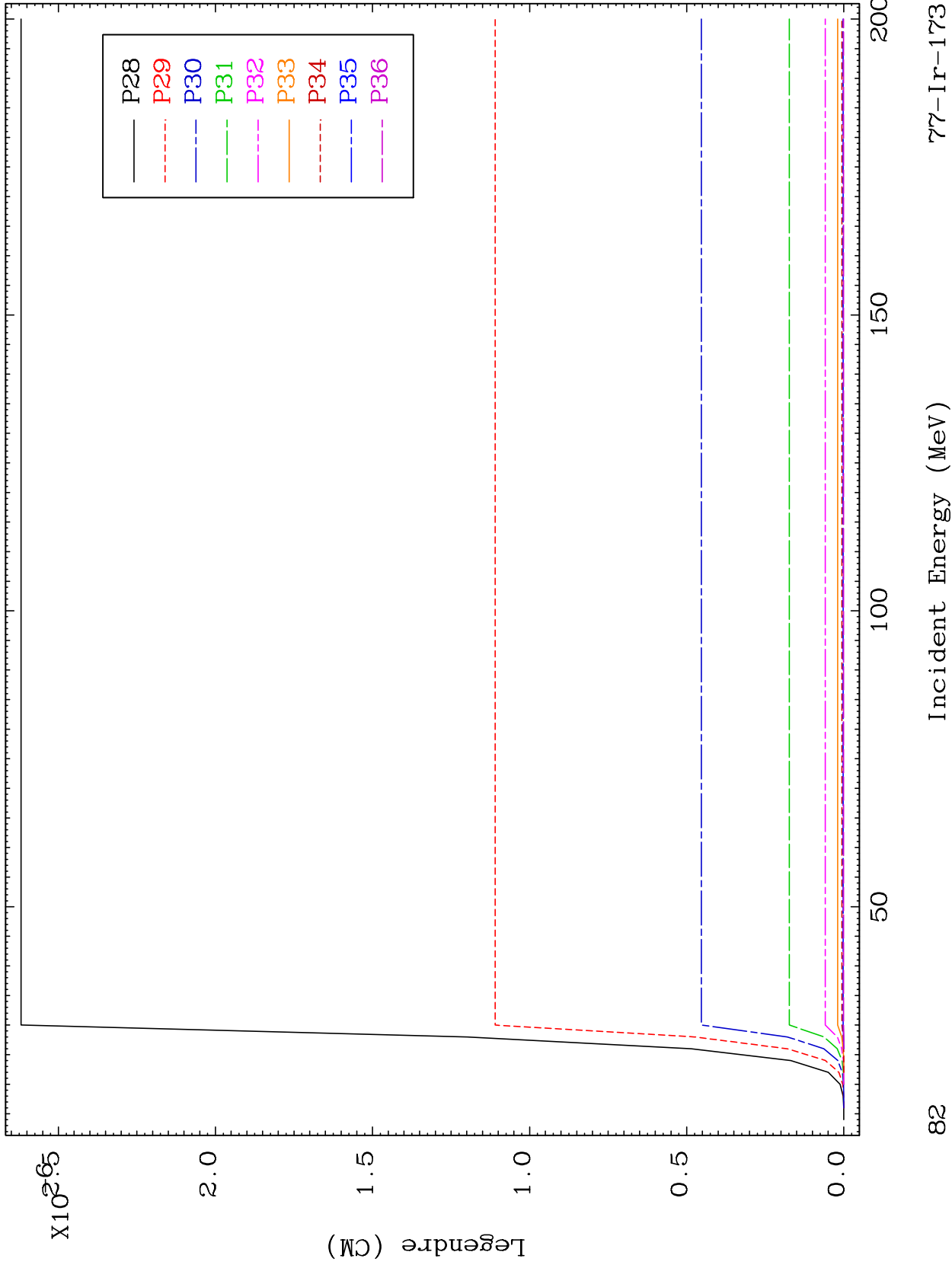
77-Ir-173

Incident Energy (MeV)

80



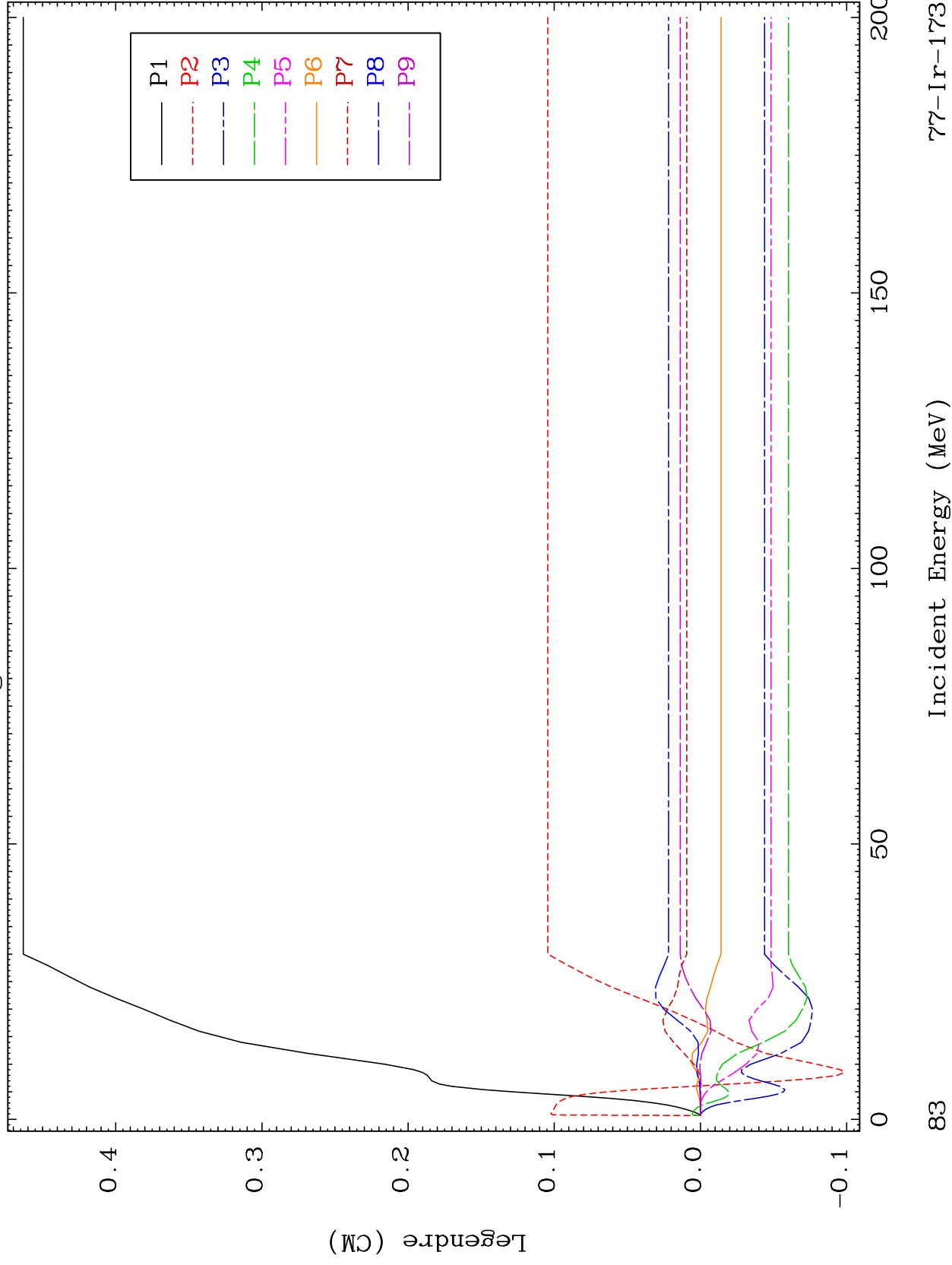
662.4 keV (n,n') Level  
Legendre Coefficients



MAT 7671

686.4 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



77-Ir-173

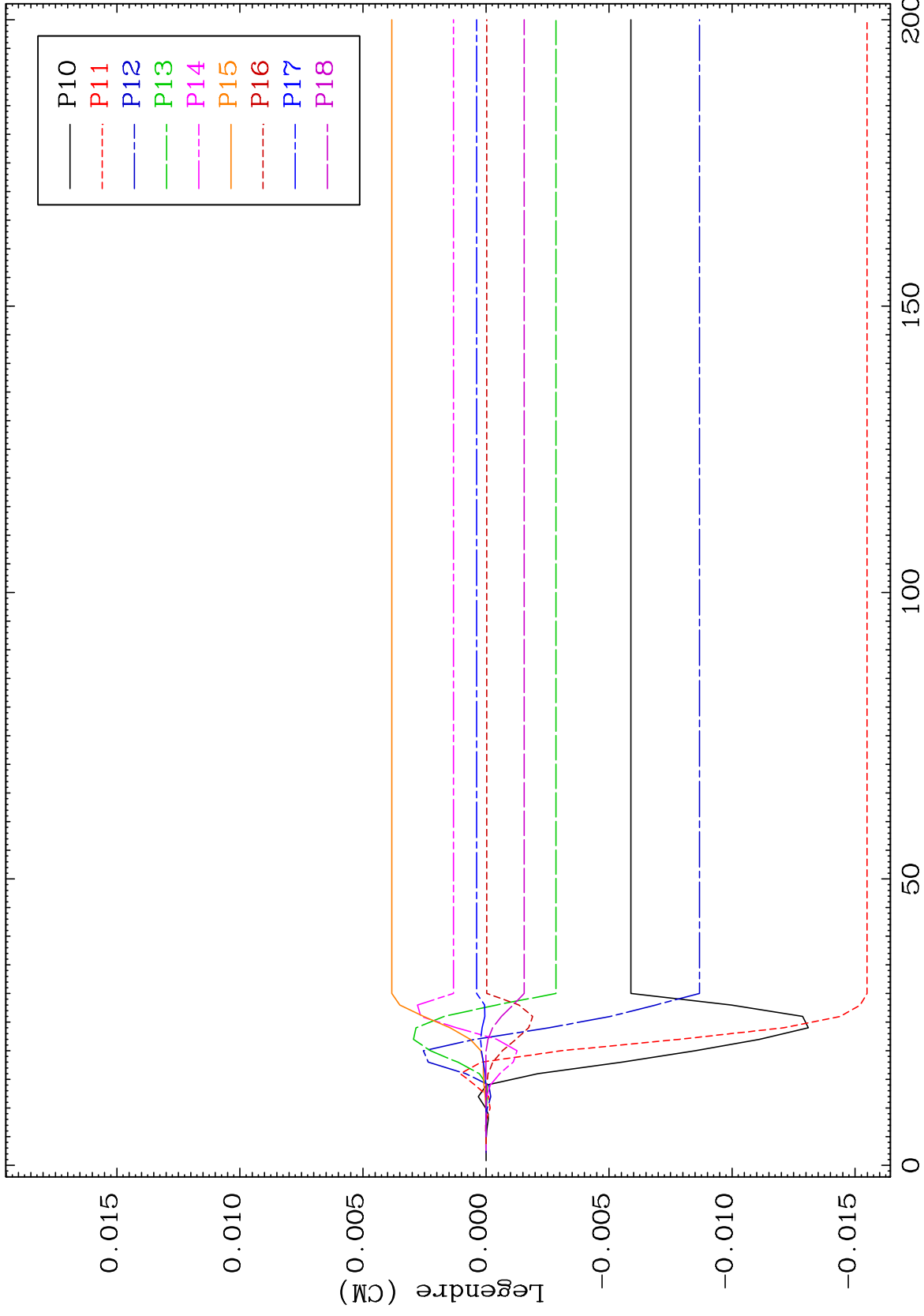
Incident Energy (MeV)

83

MAT 7671

686.4 keV (n,n') Level  
Legendre Coefficients

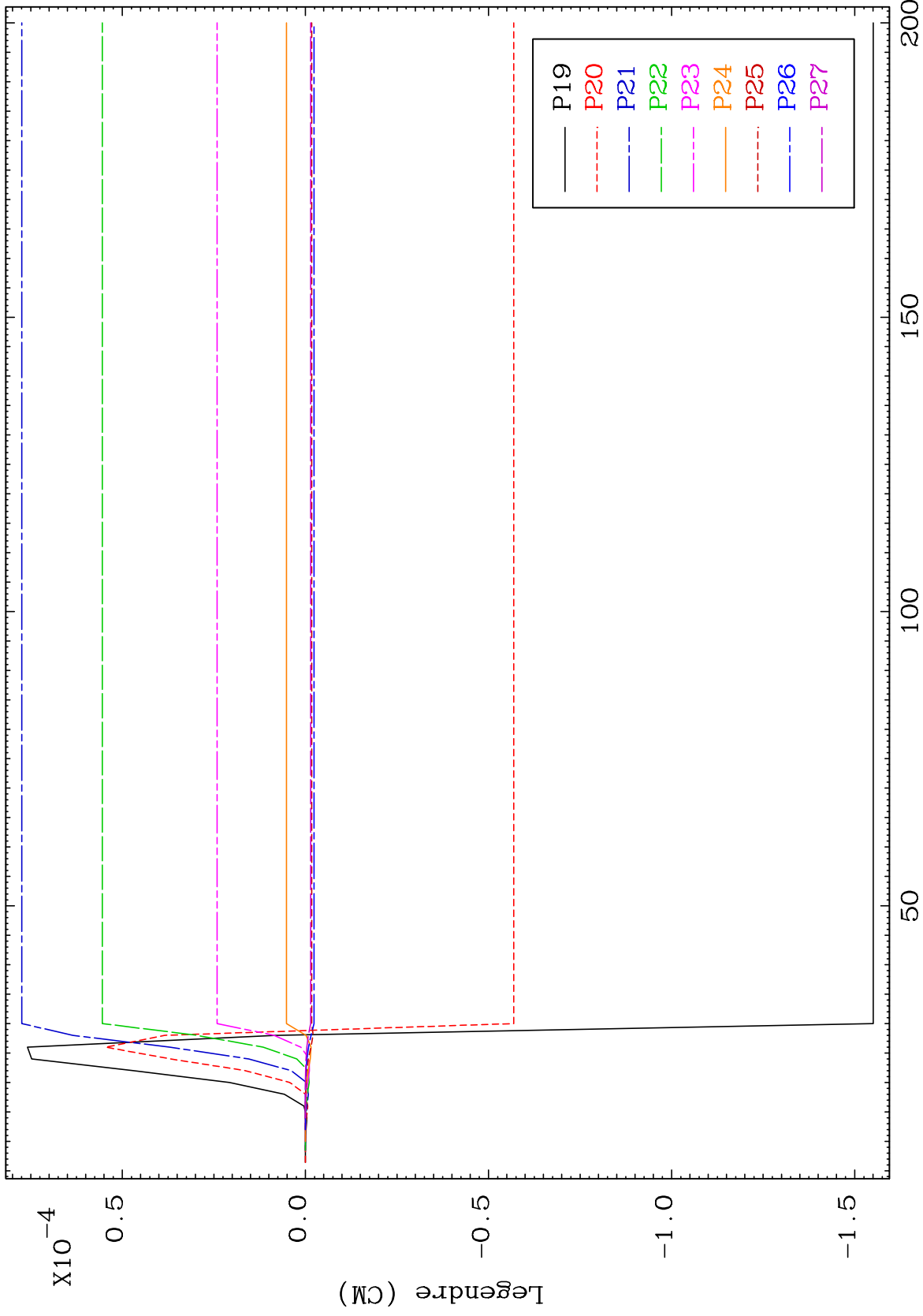
77-Ir-173

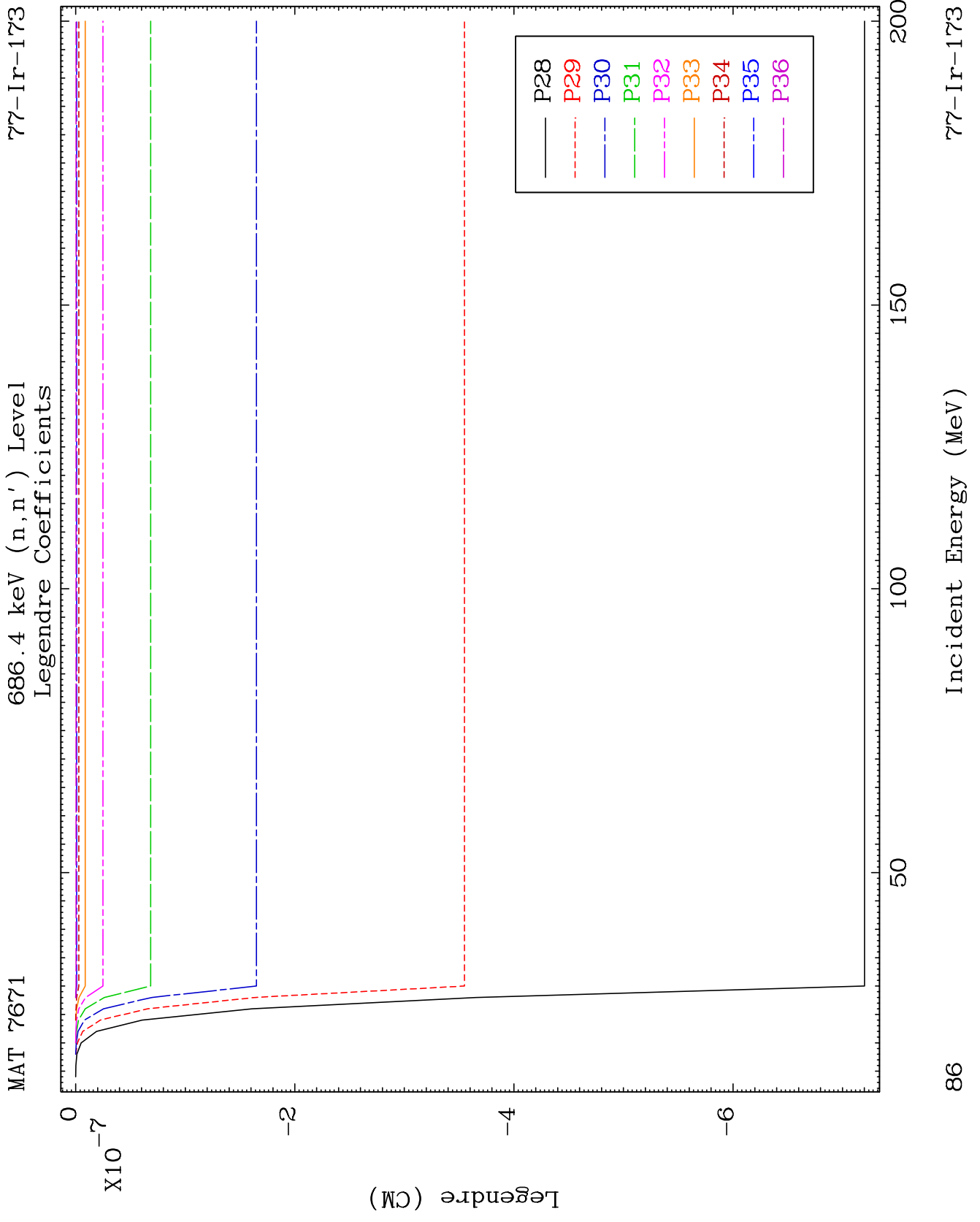


84

Incident Energy (MeV)

77-Ir-173

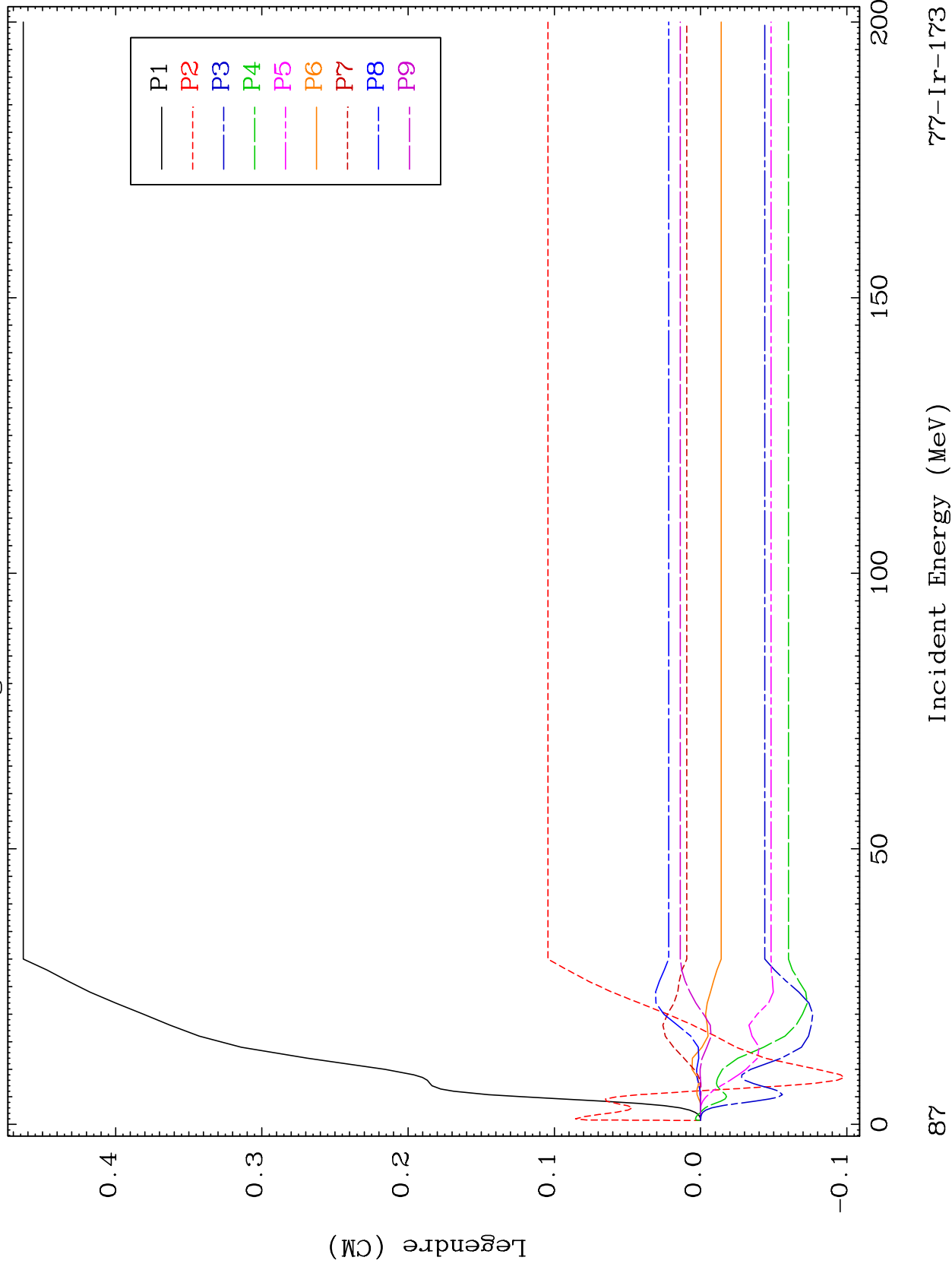




MAT 7671

698.6 keV (n,n') Level  
Legendre Coefficients

77-Ir-173

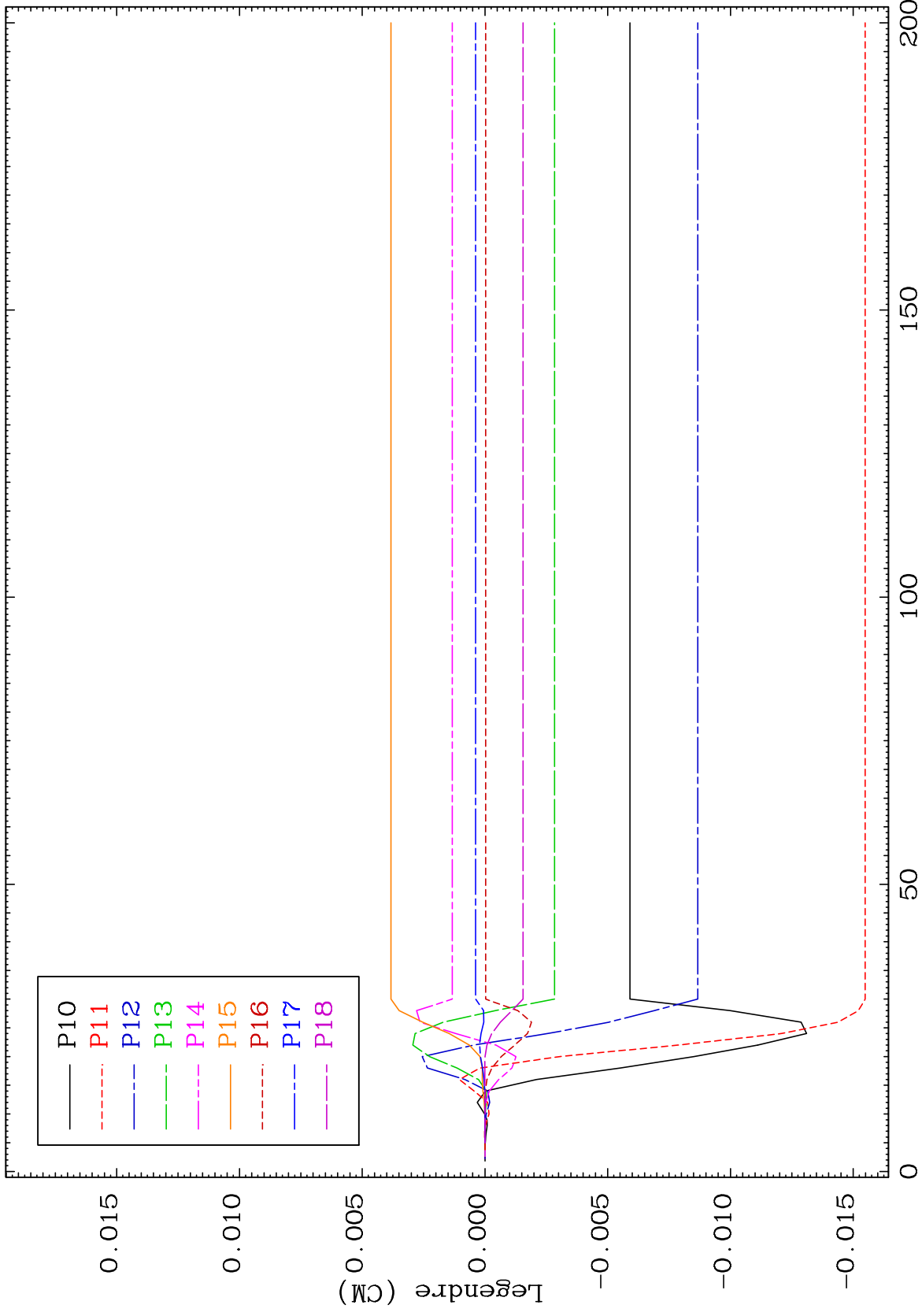


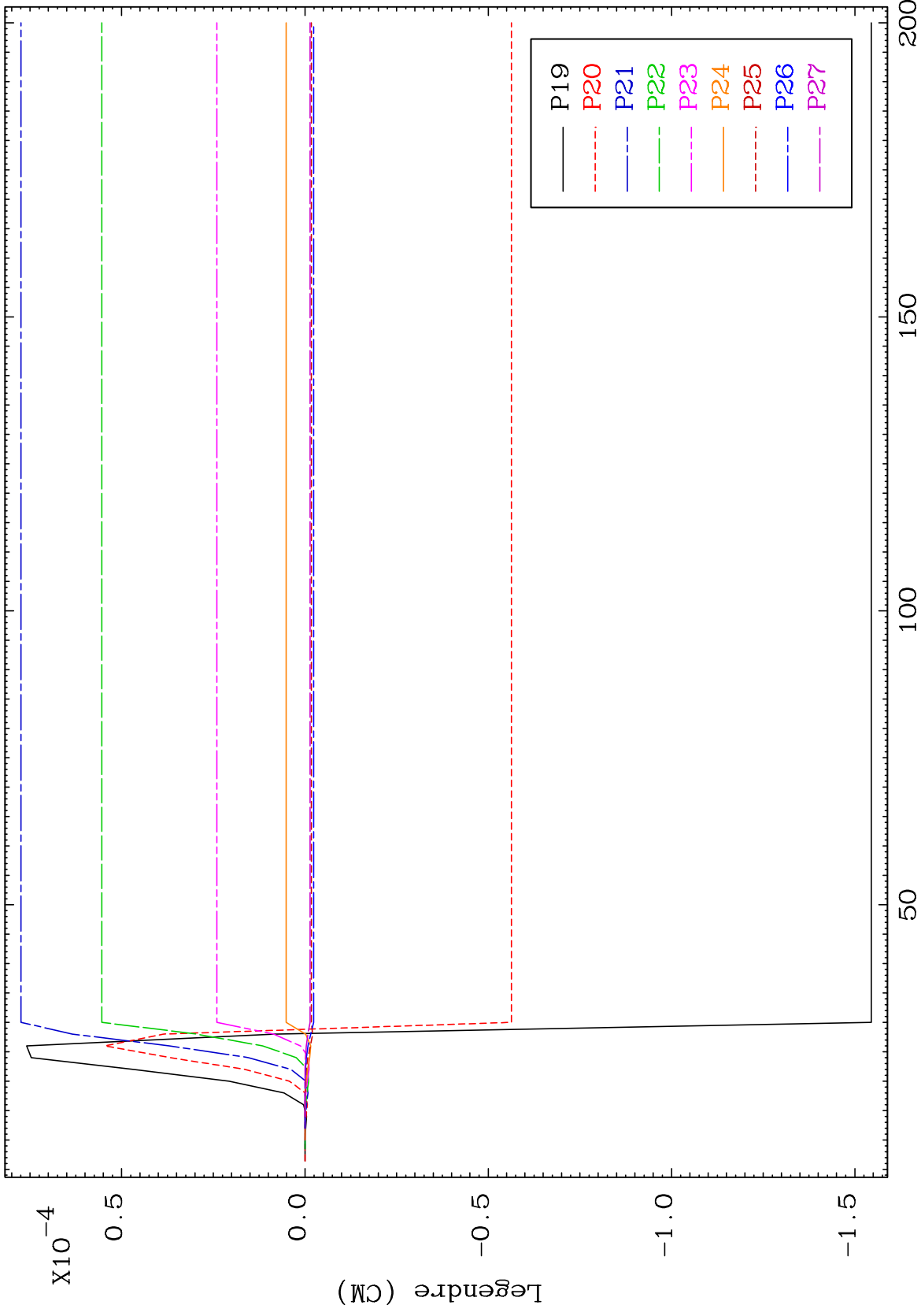
77-Ir-173

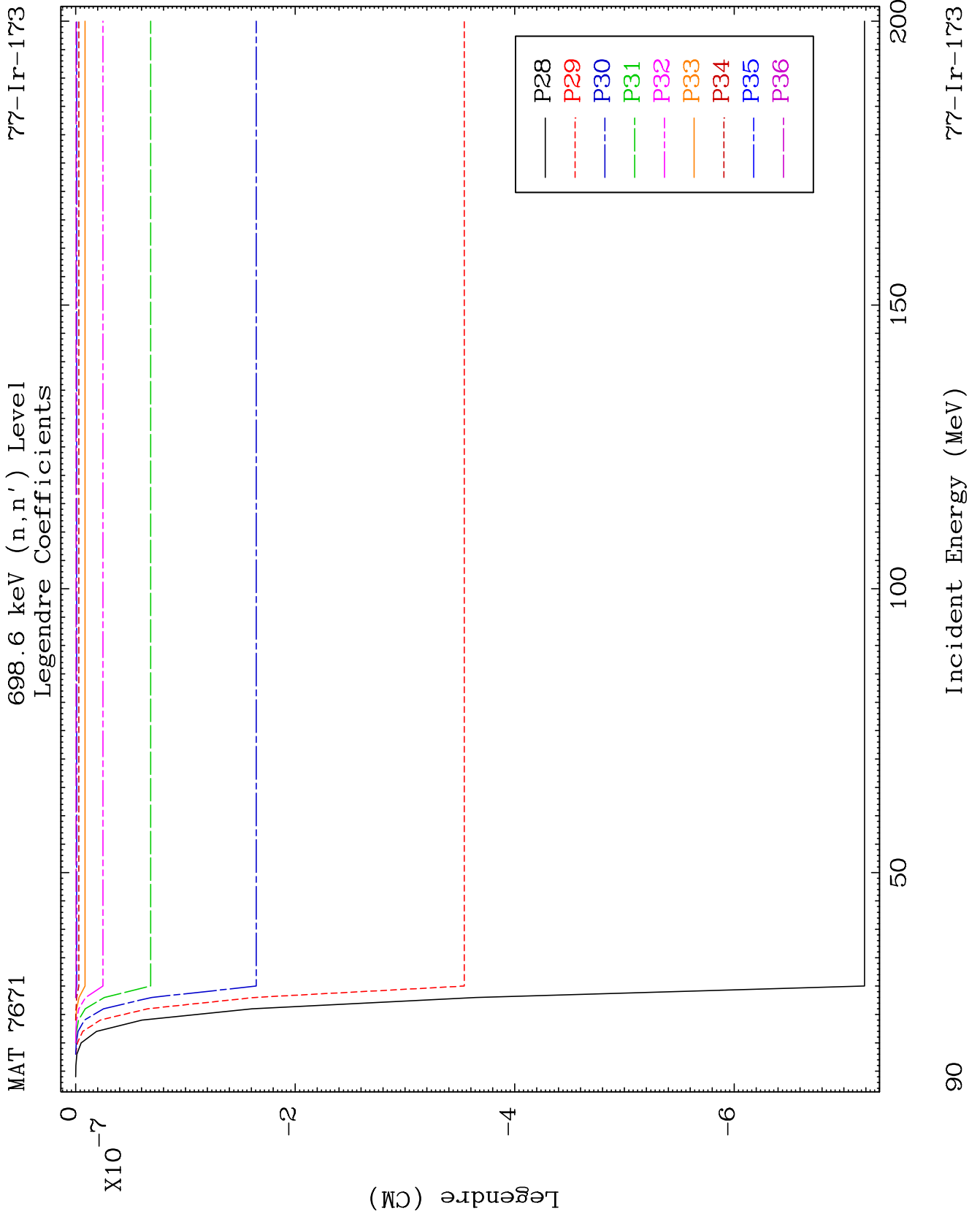
Incident Energy (MeV)

87





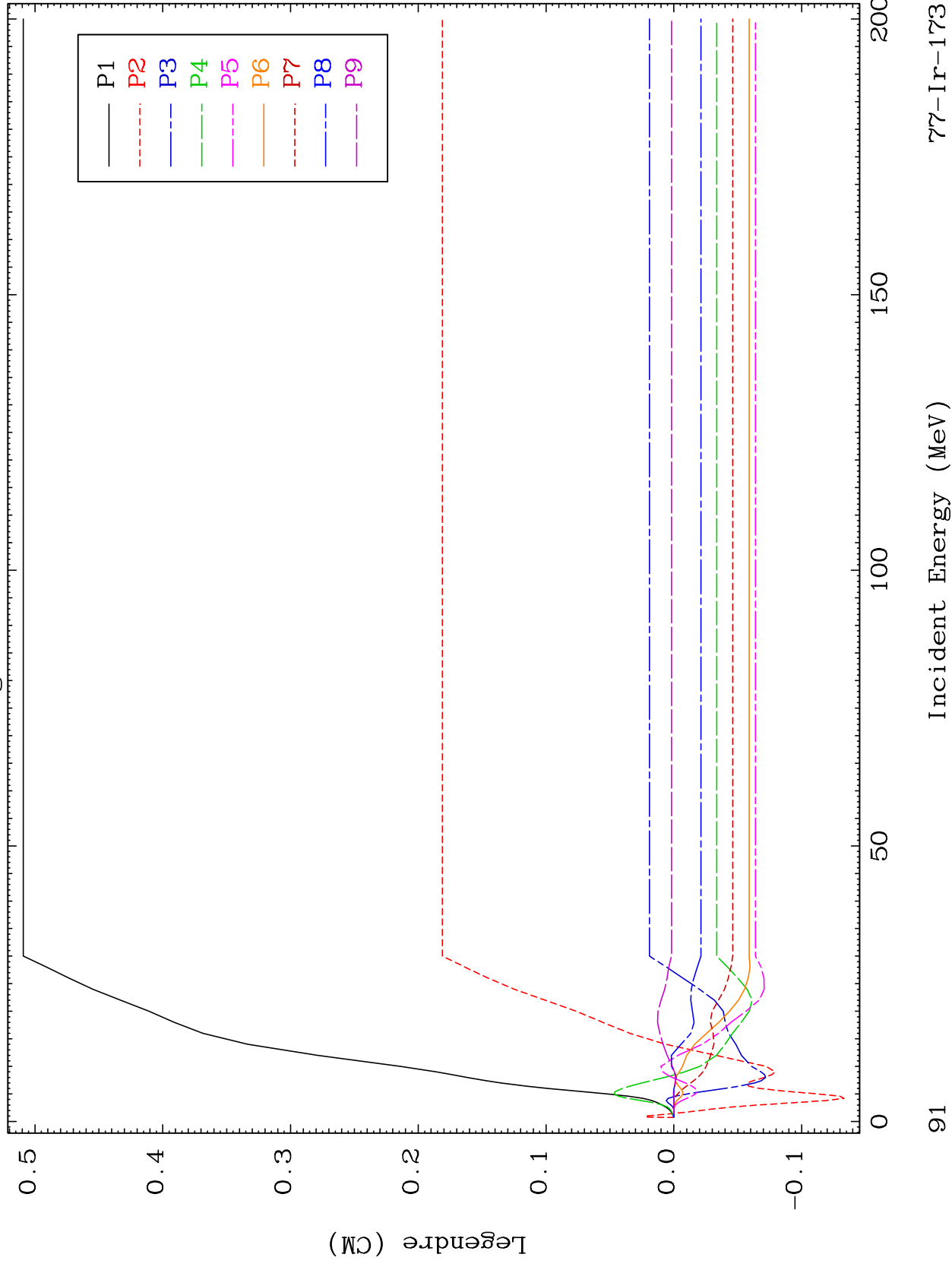




MAT 7671

723.2 keV (n,n') Level  
Legendre Coefficients

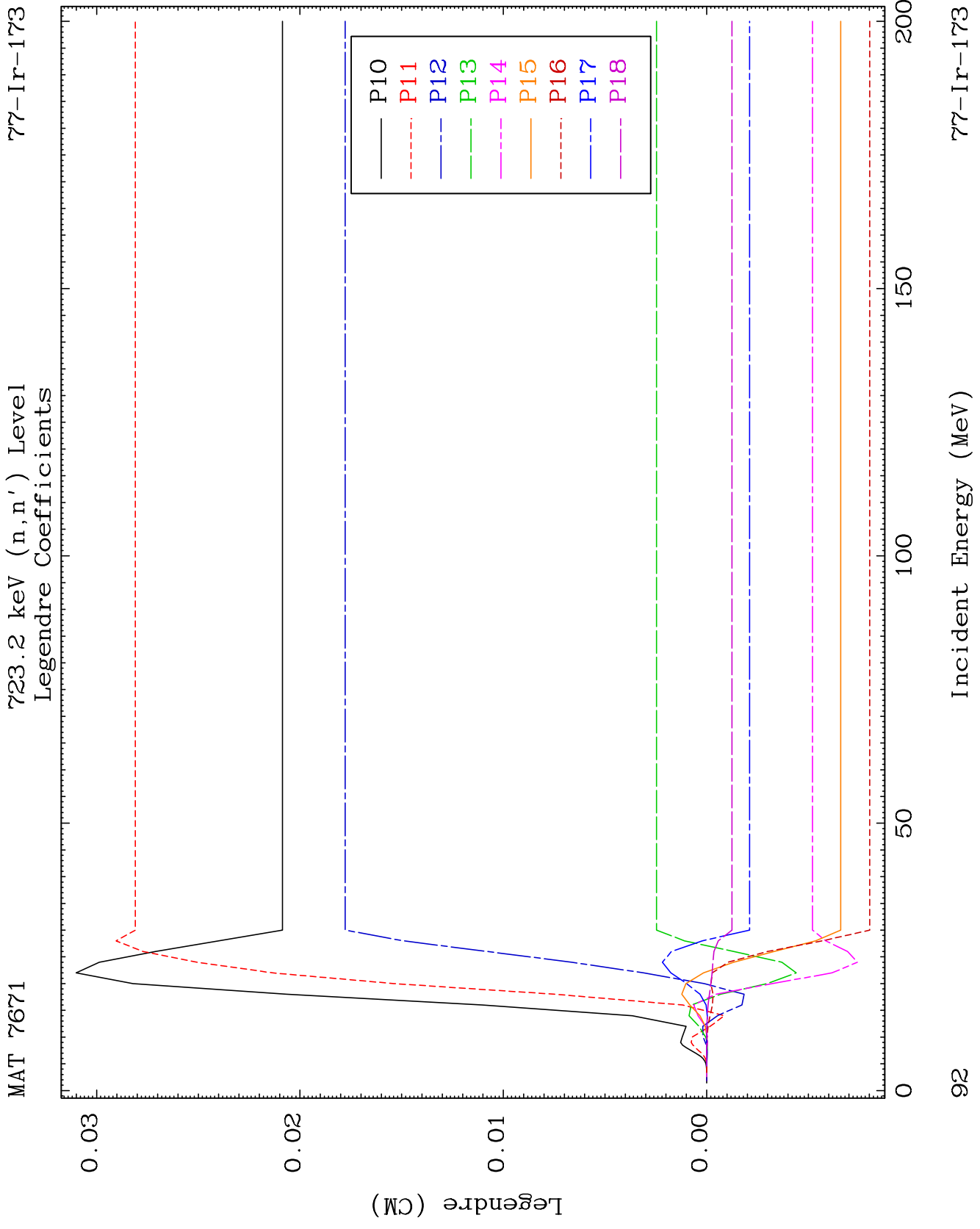
77-Ir-173



77-Ir-173

Incident Energy (MeV)

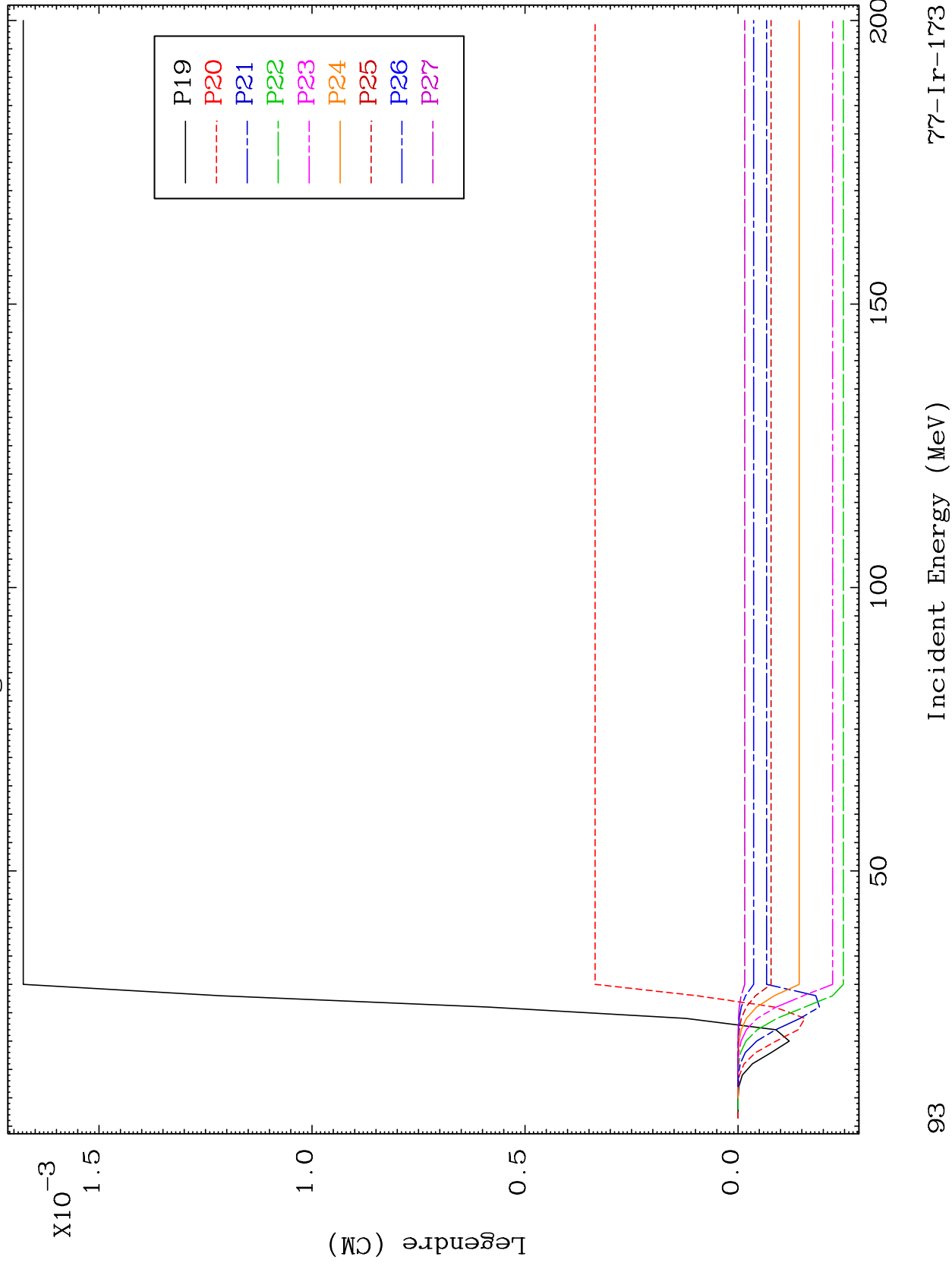
91



MAT 7671

723.2 keV (n,n') Level  
Legendre Coefficients

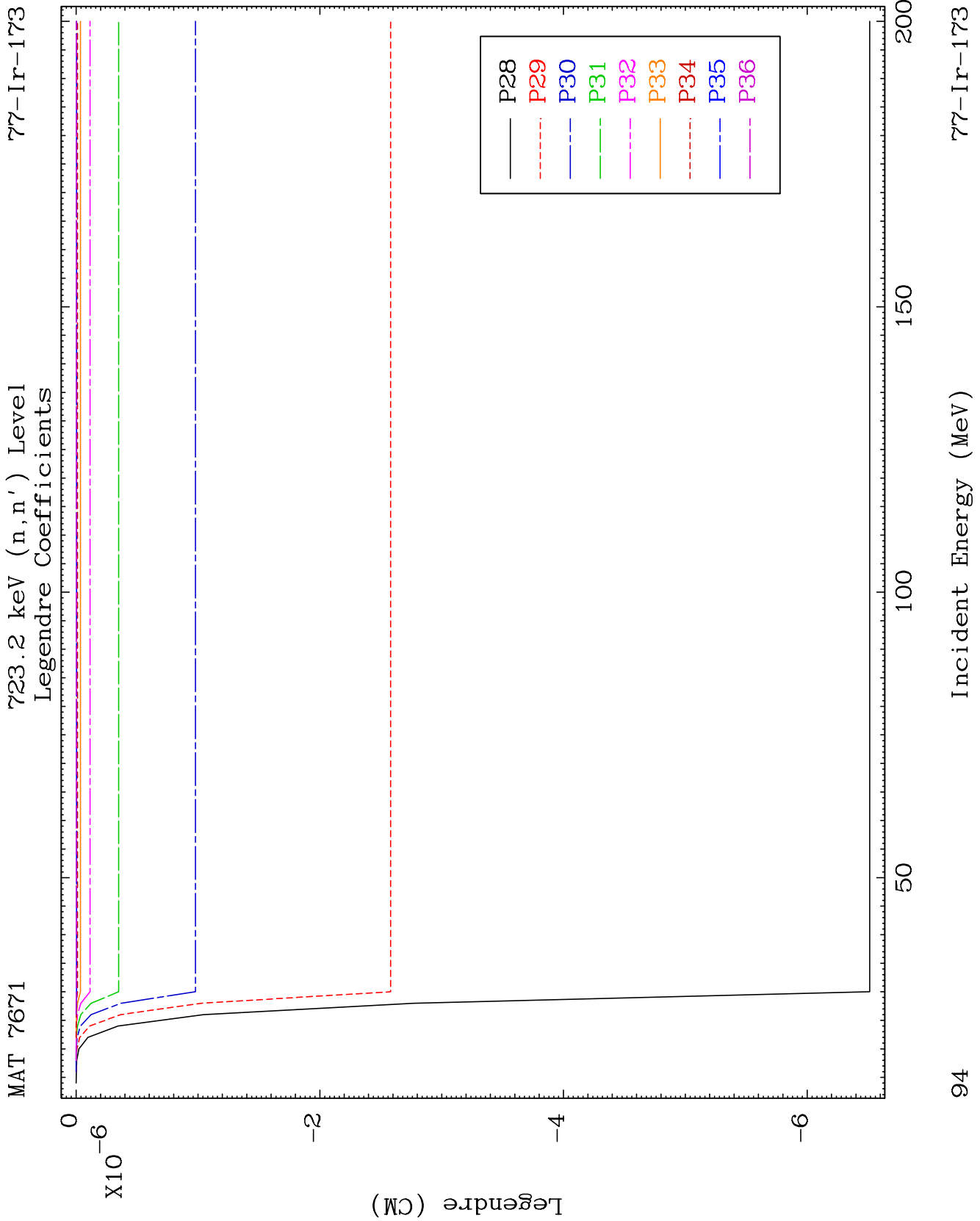
77-Ir-173



93

Incident Energy (MeV)

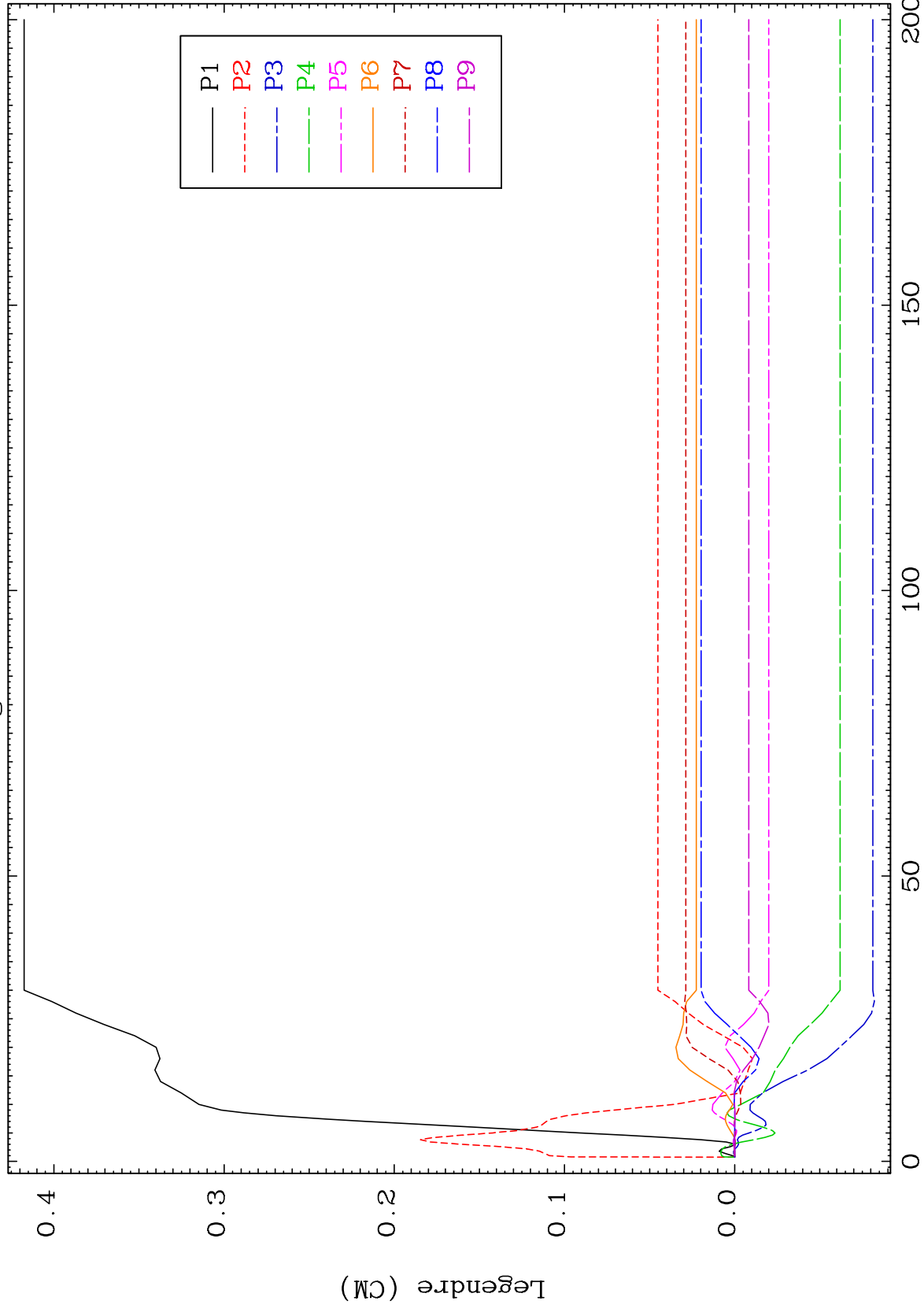
77-Ir-173



MAT 7671

737.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



95

Incident Energy (MeV)

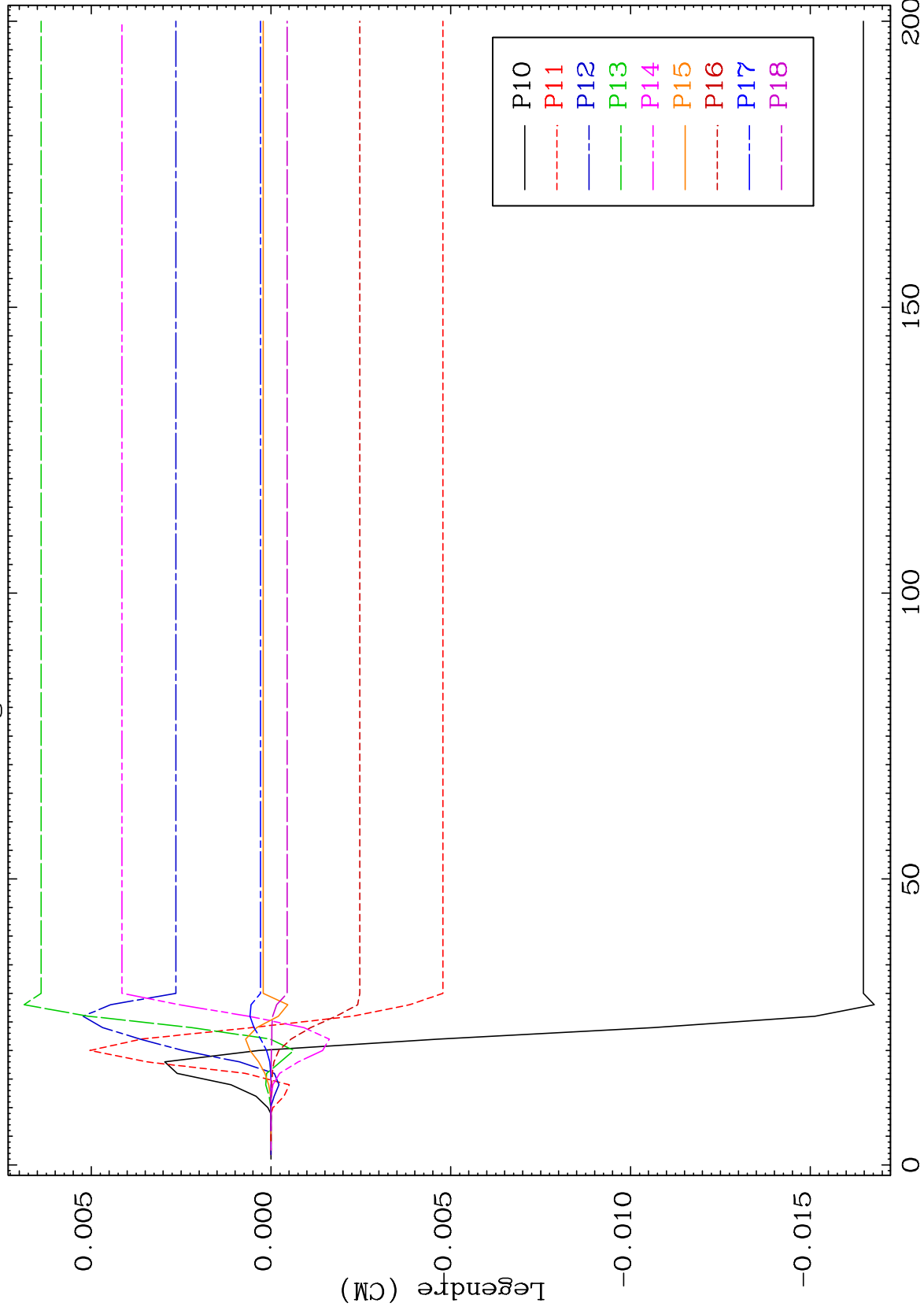
77-Ir-173



MAT 7671

737.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



96

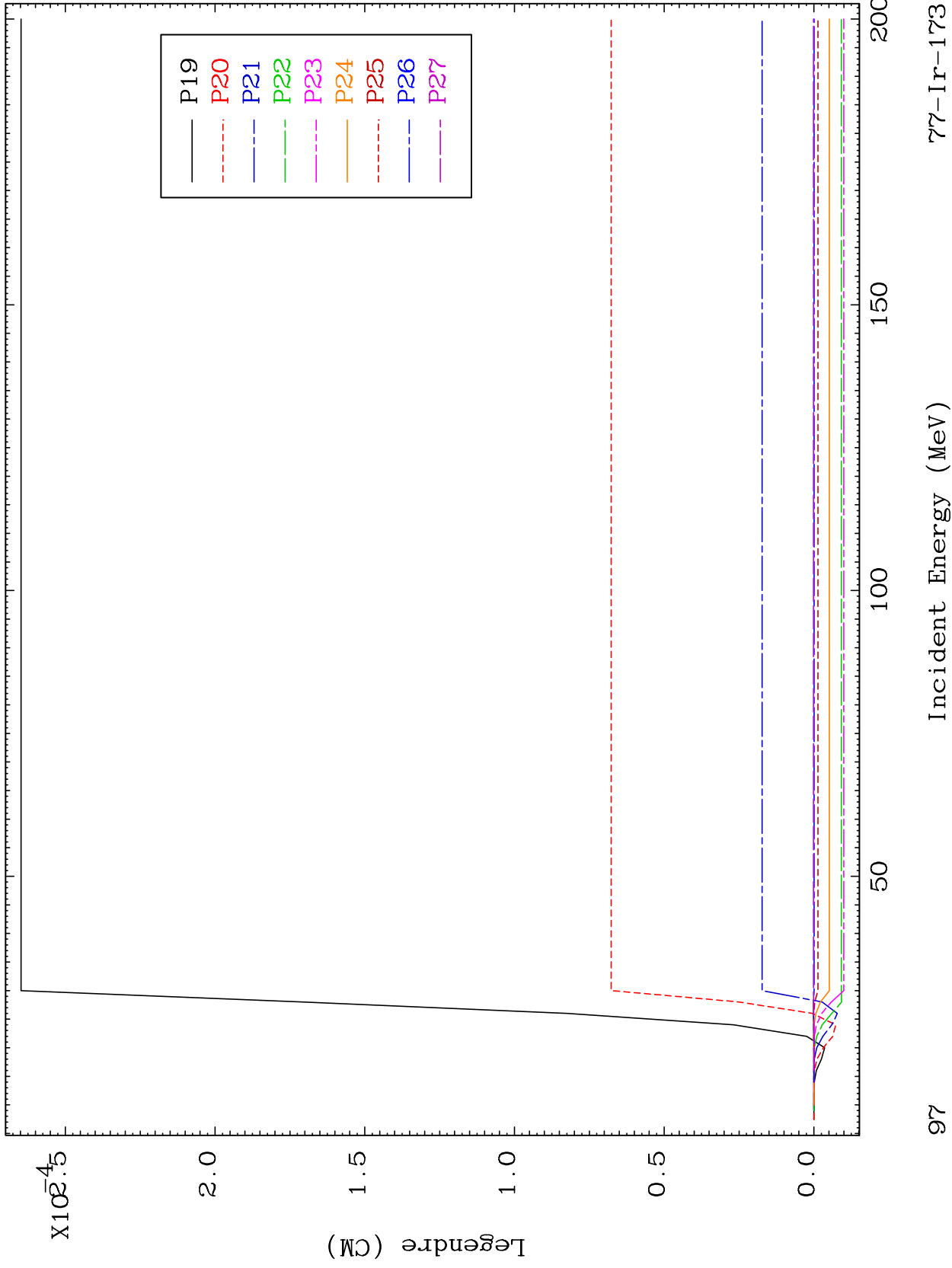
Incident Energy (MeV)

77-Ir-173

MAT 7671

737.0 keV (n,n') Level  
Legendre Coefficients

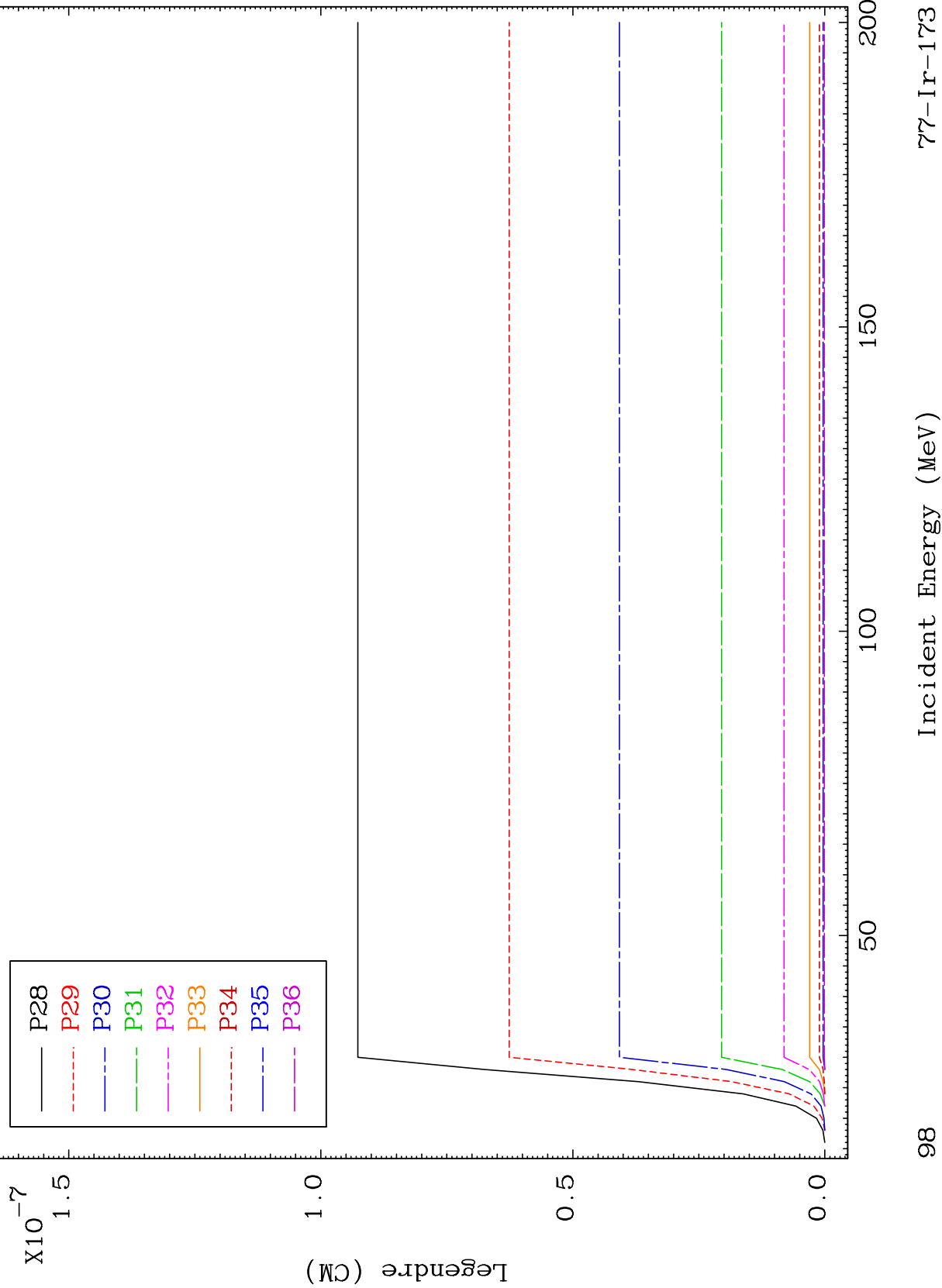
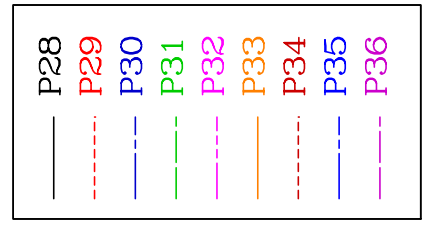
77-Ir-173



MAT 7671

737.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



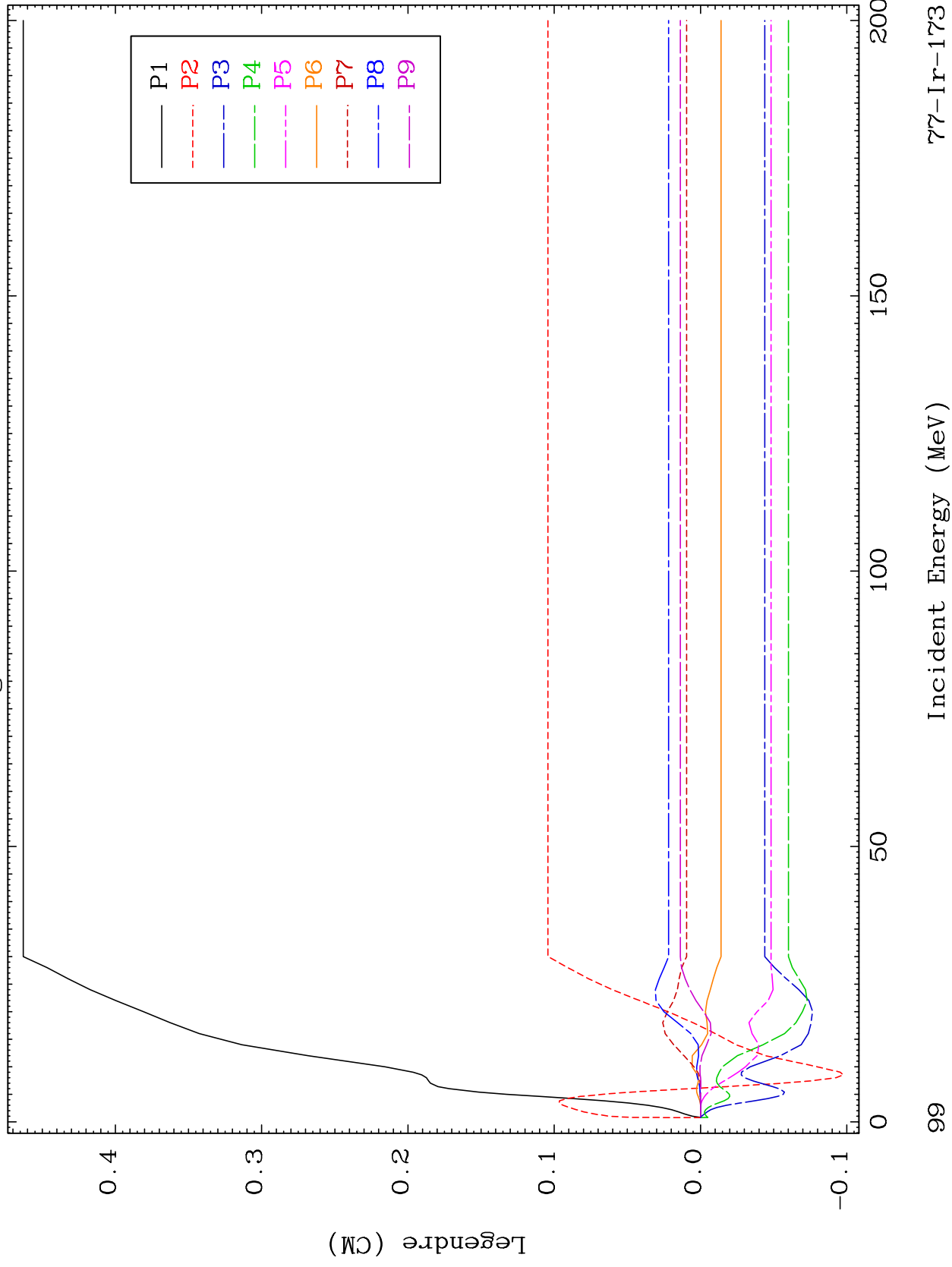
98

77-Ir-173

MAT 7671

739.4 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



77-Ir-173

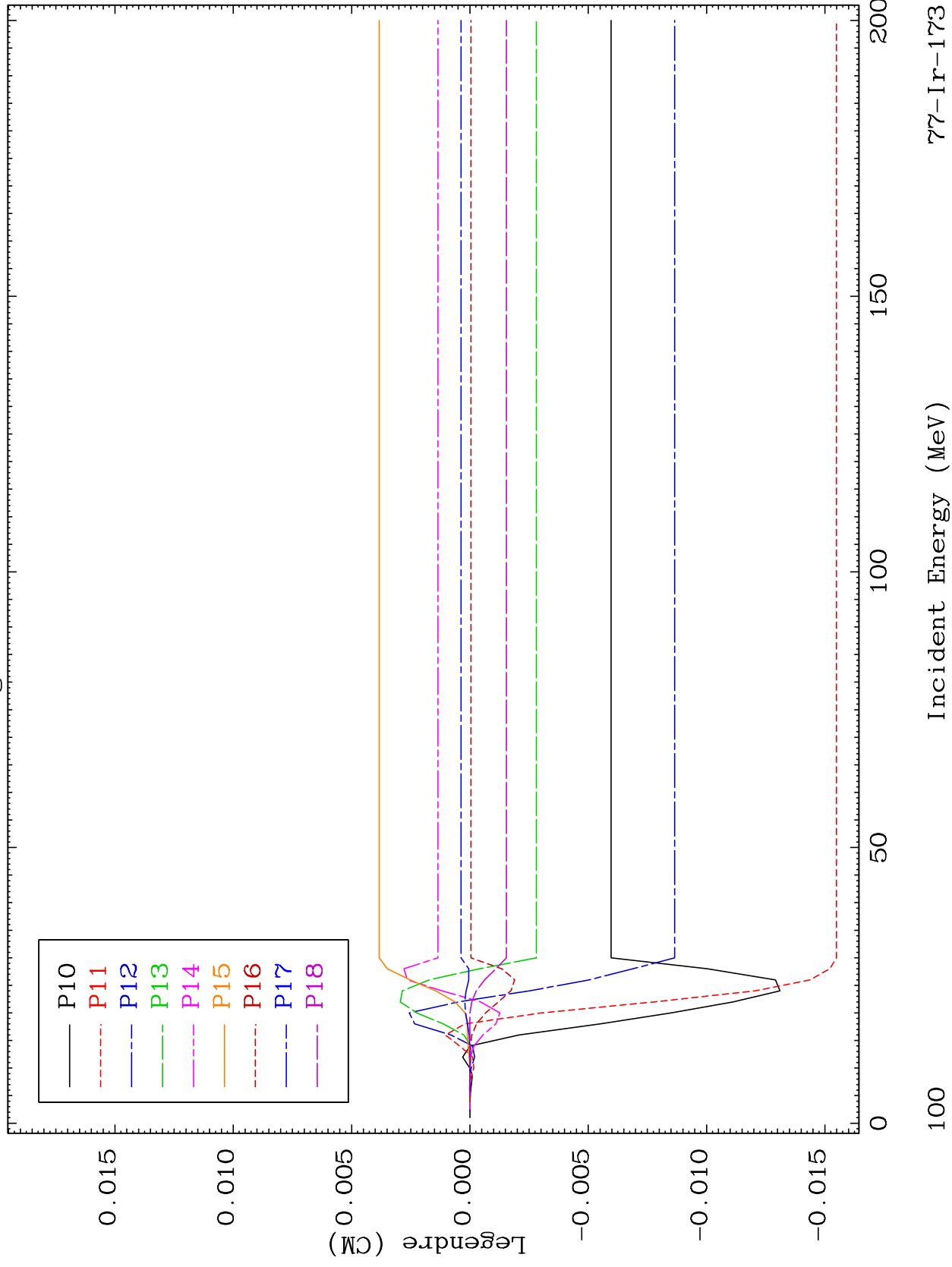
Incident Energy (MeV)

99

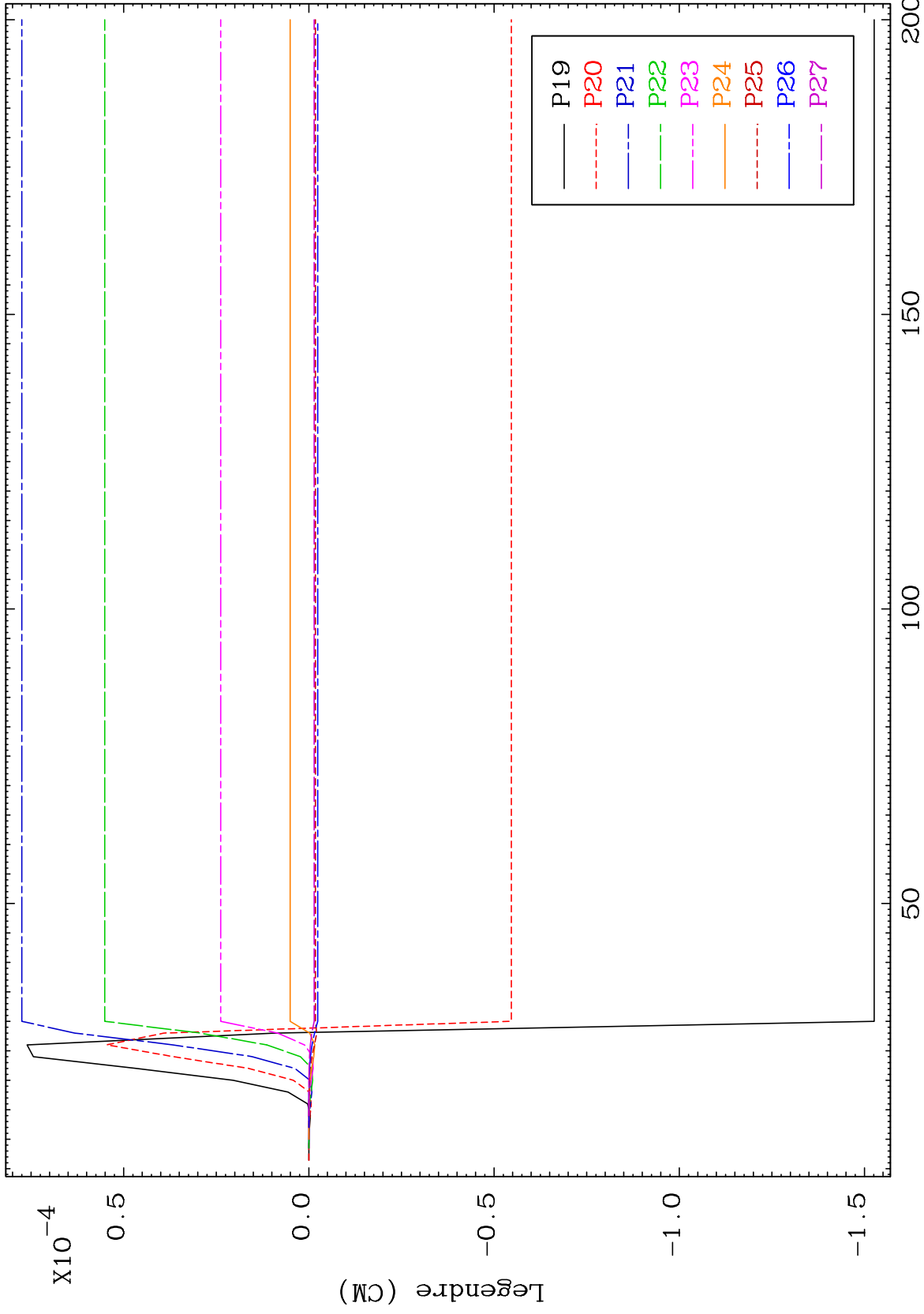
MAT 7671

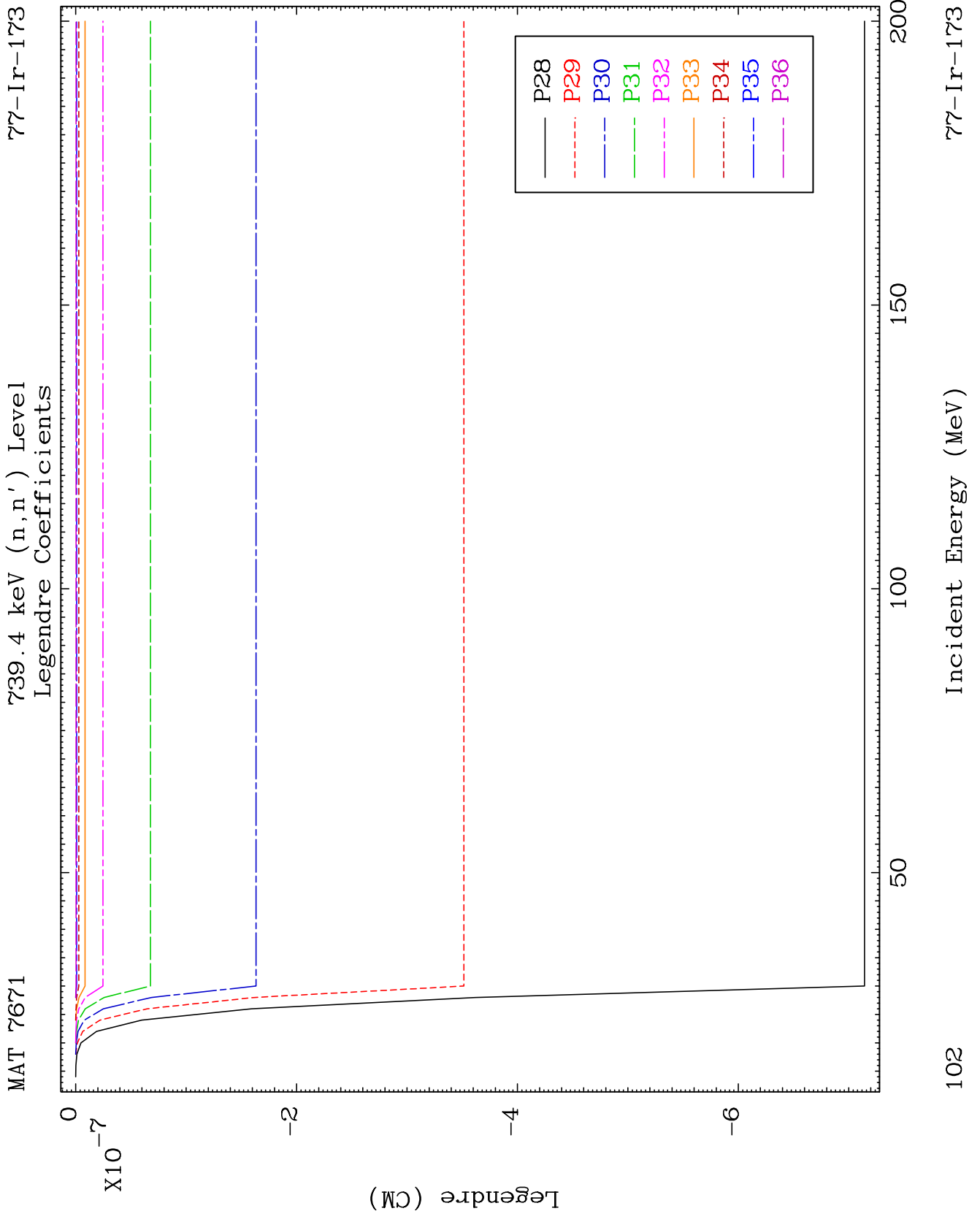
739.4 keV (n,n') Level  
Legendre Coefficients

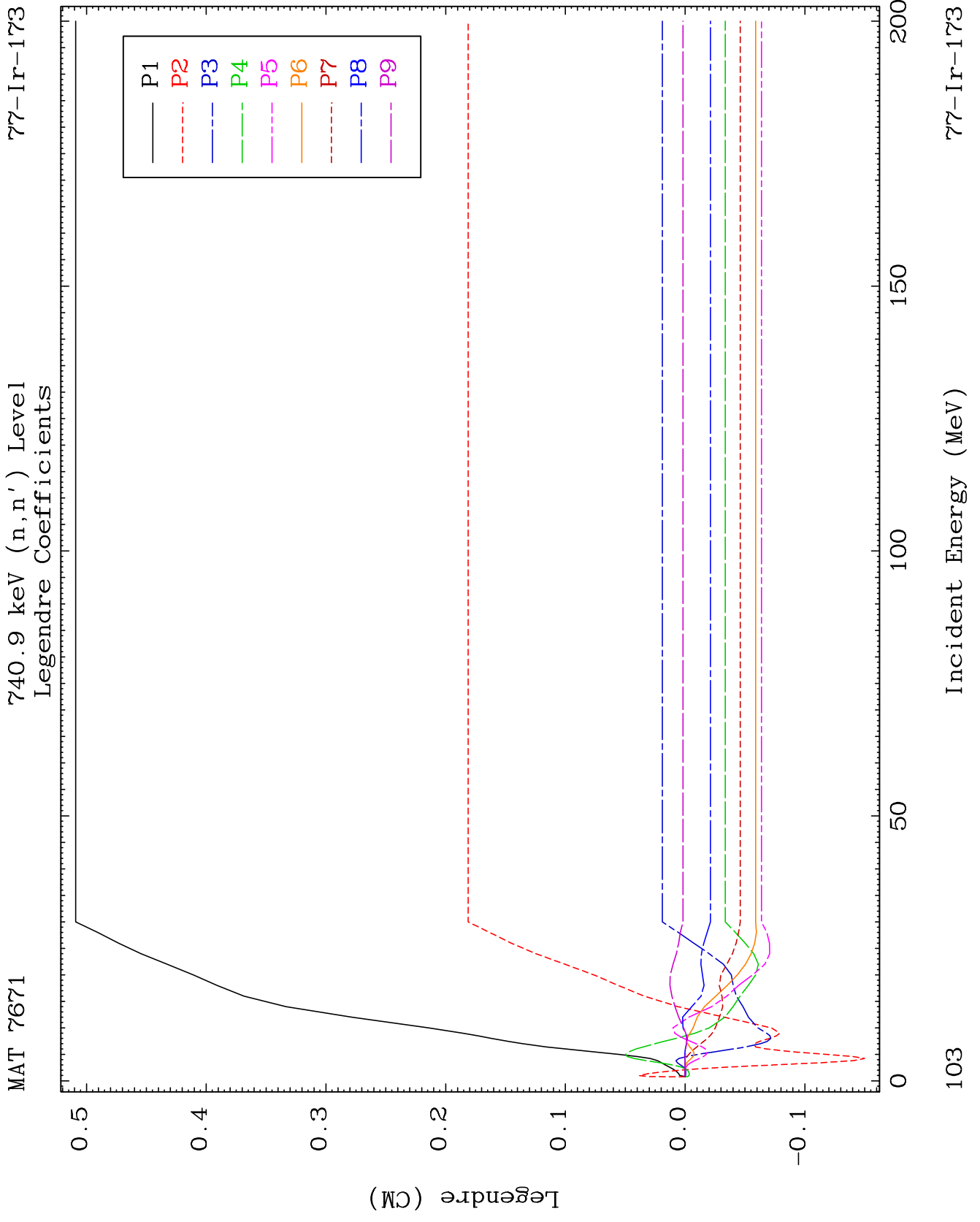
77-Ir-173



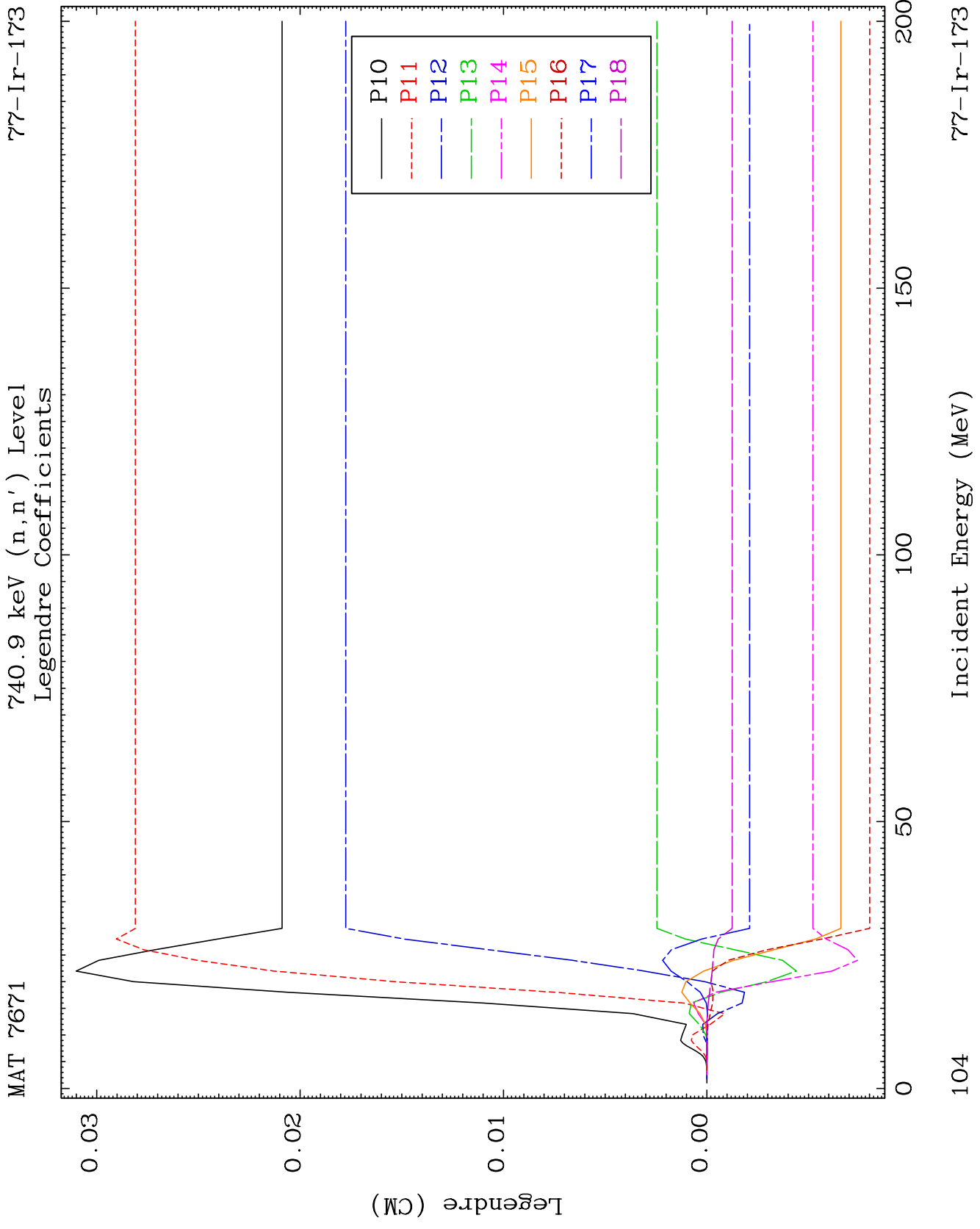
77-Ir-173

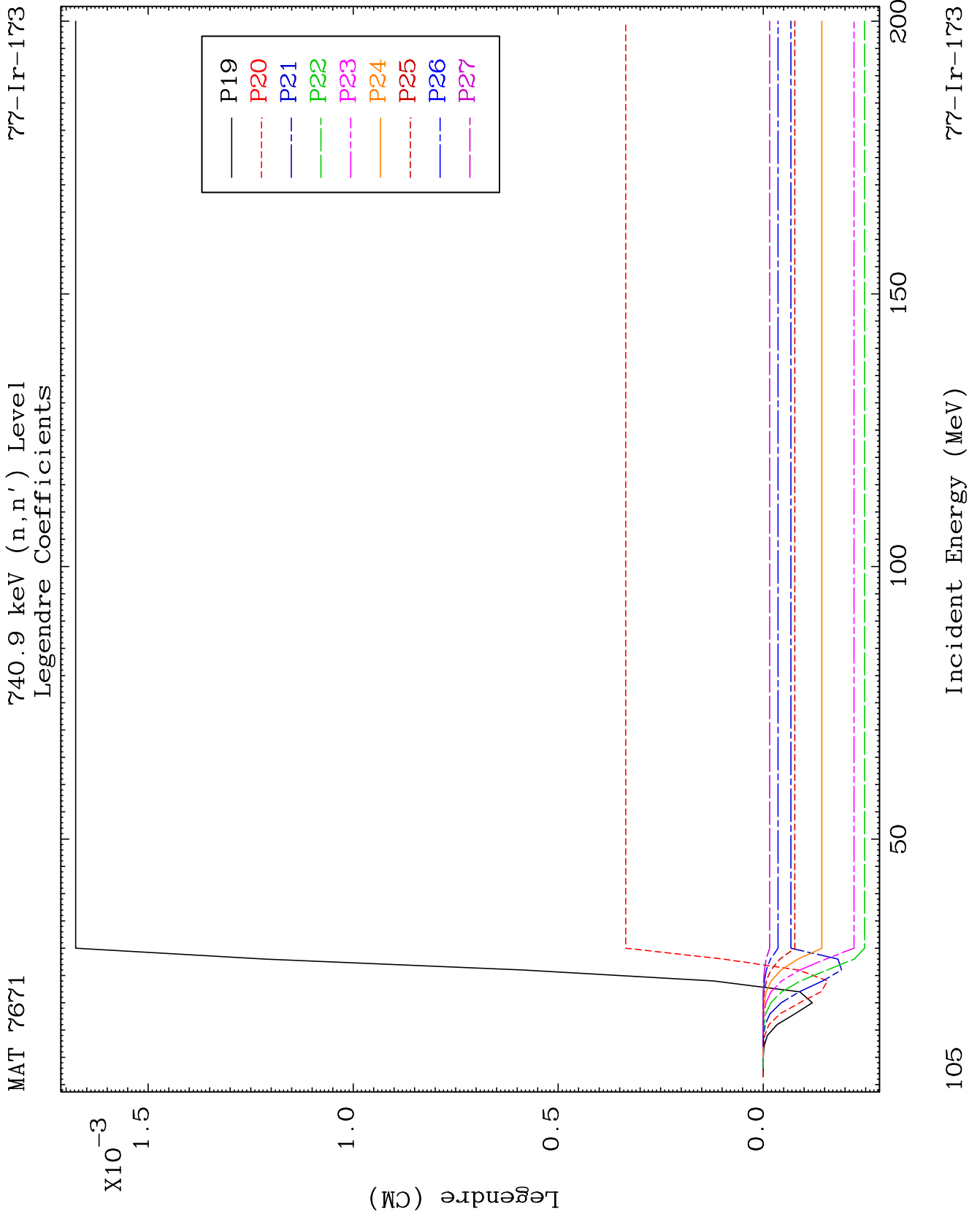


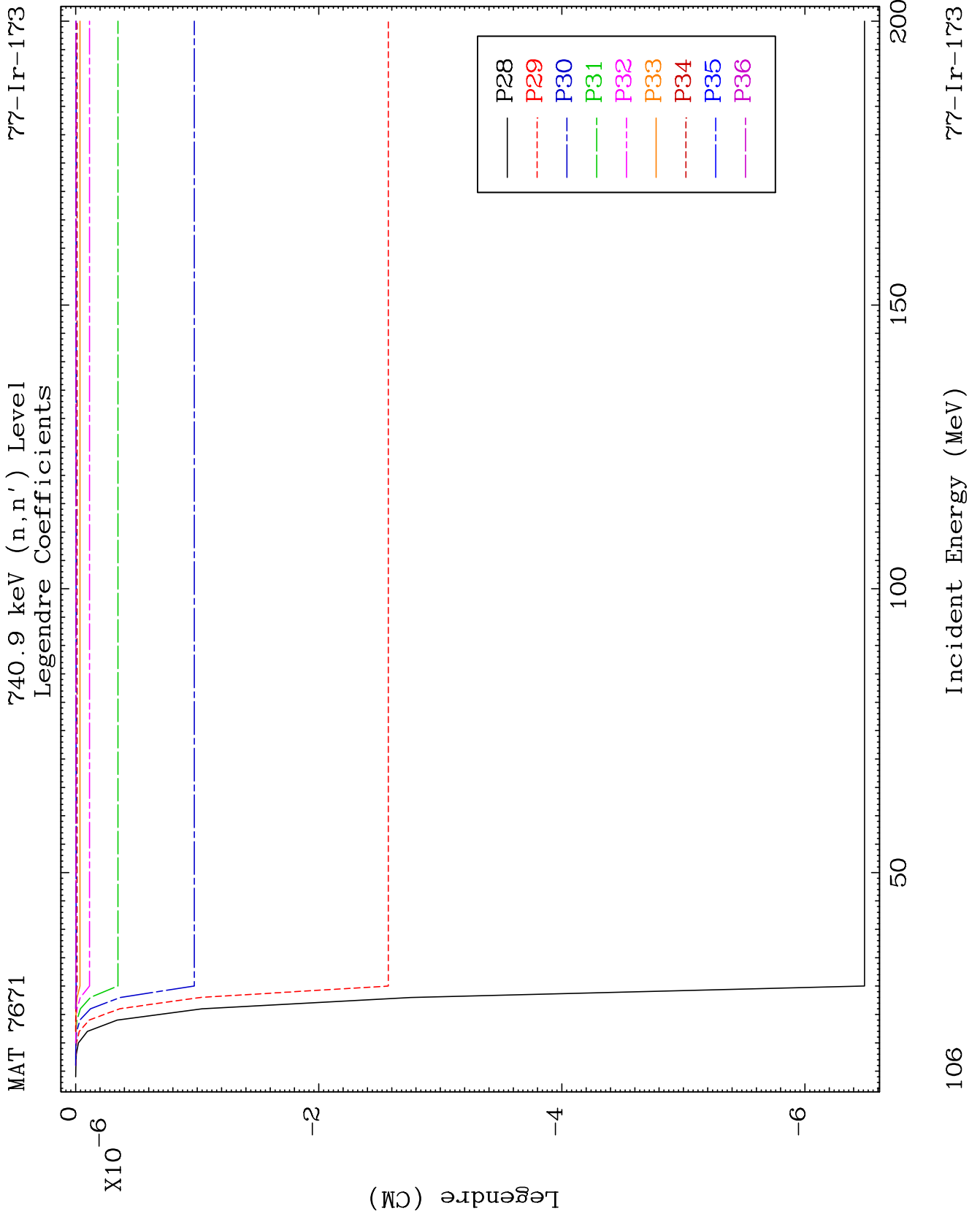


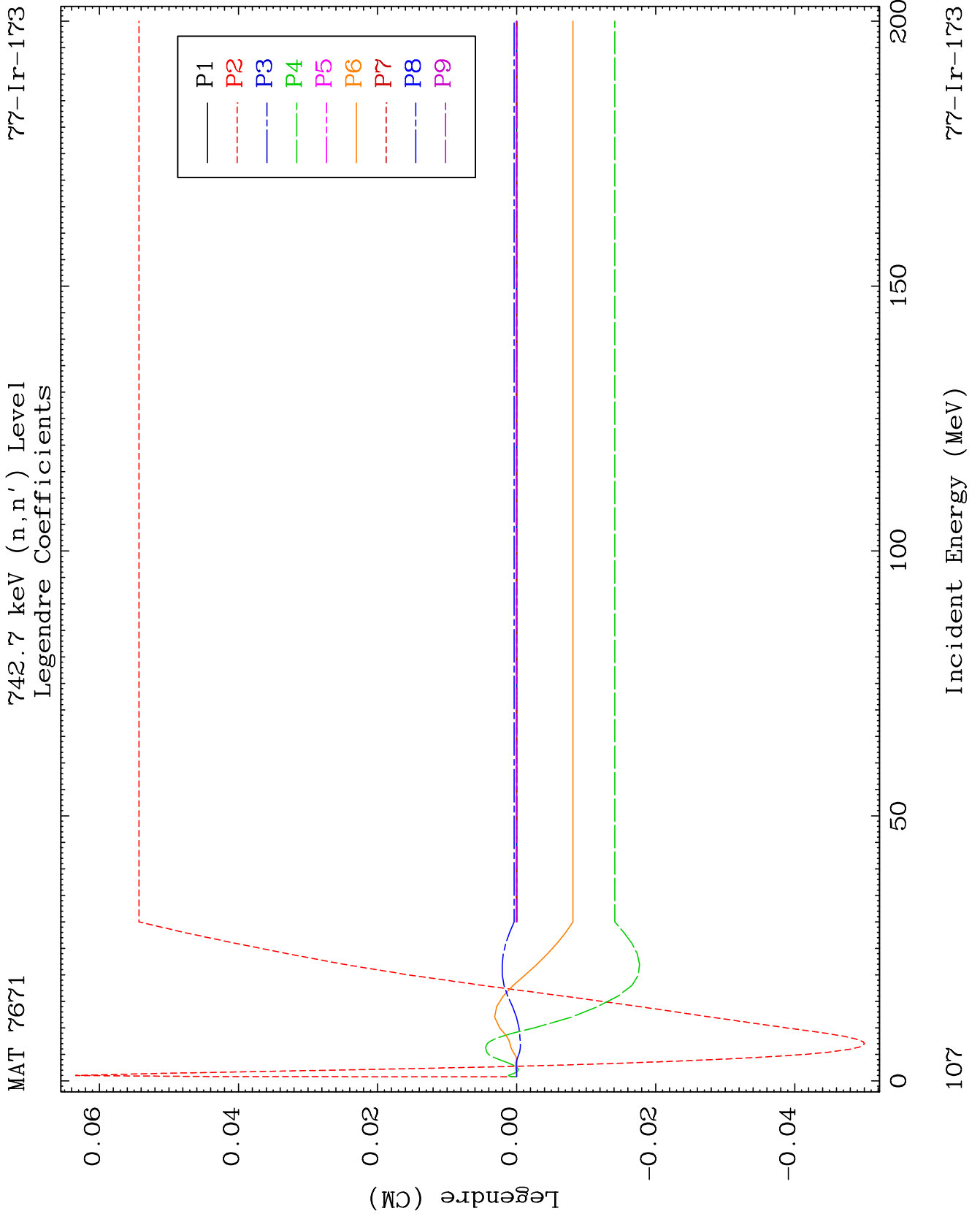








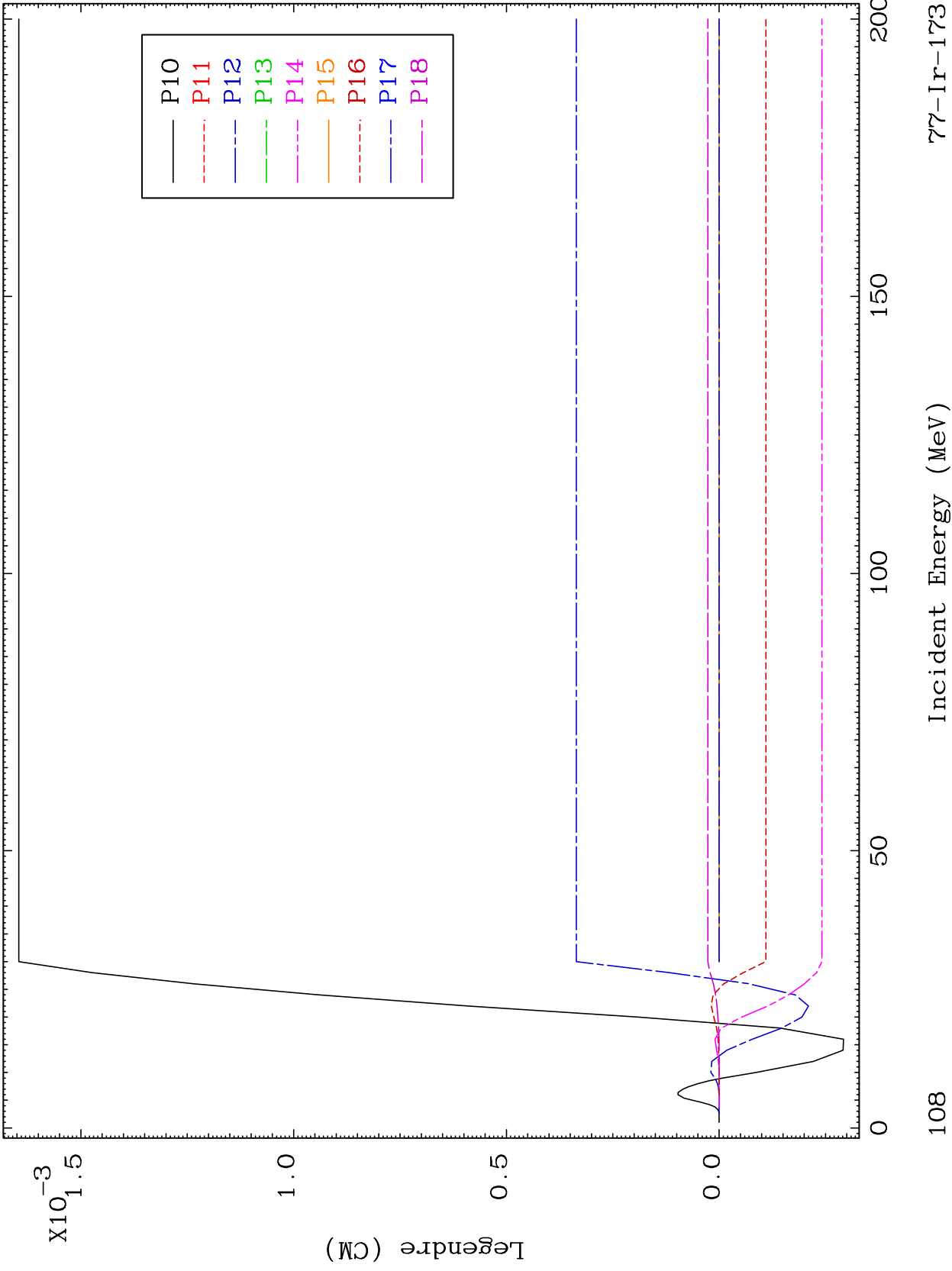




MAT 7671

742.7 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



108

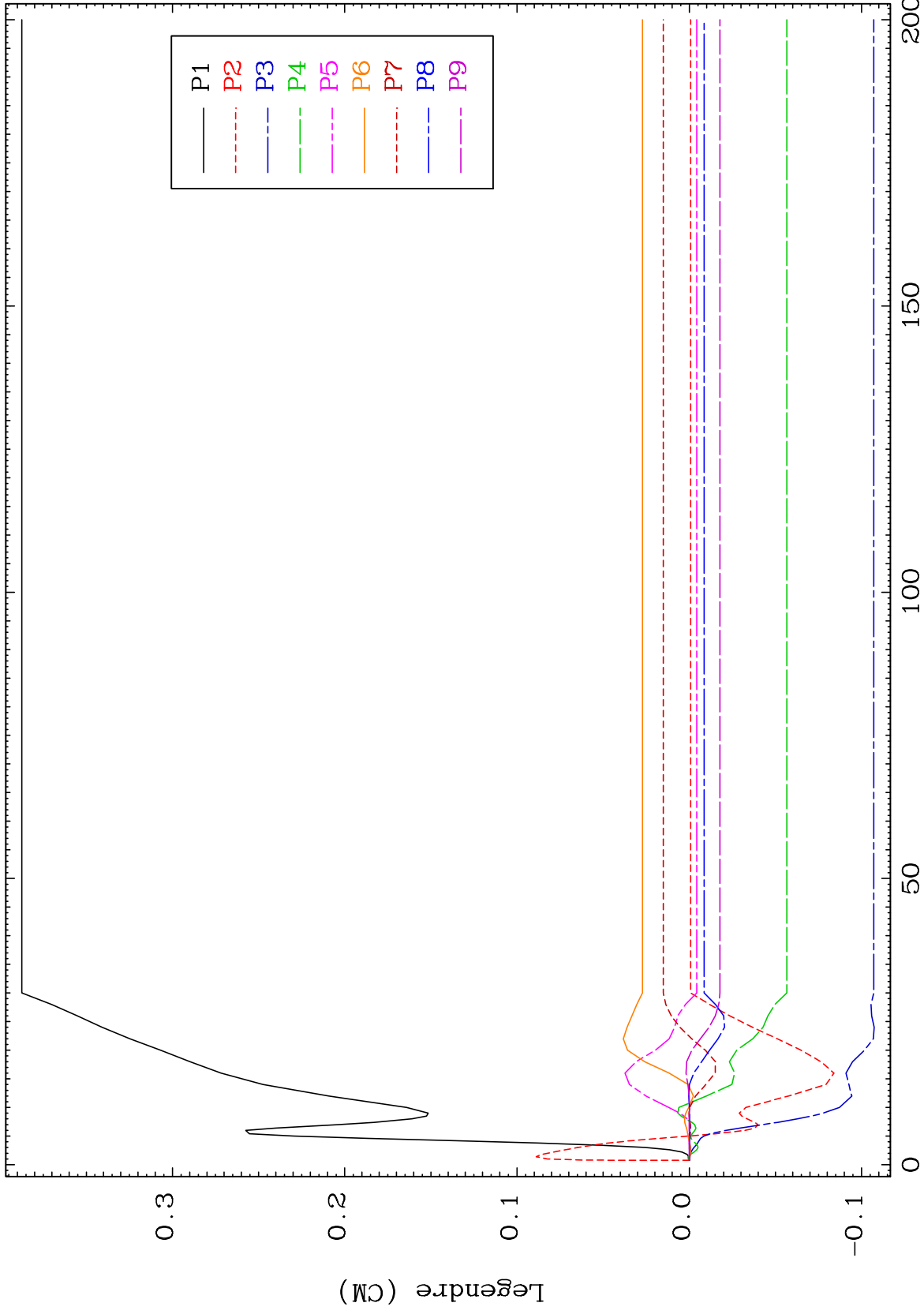
77-Ir-173



MAT 7671

756.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



77-Ir-173

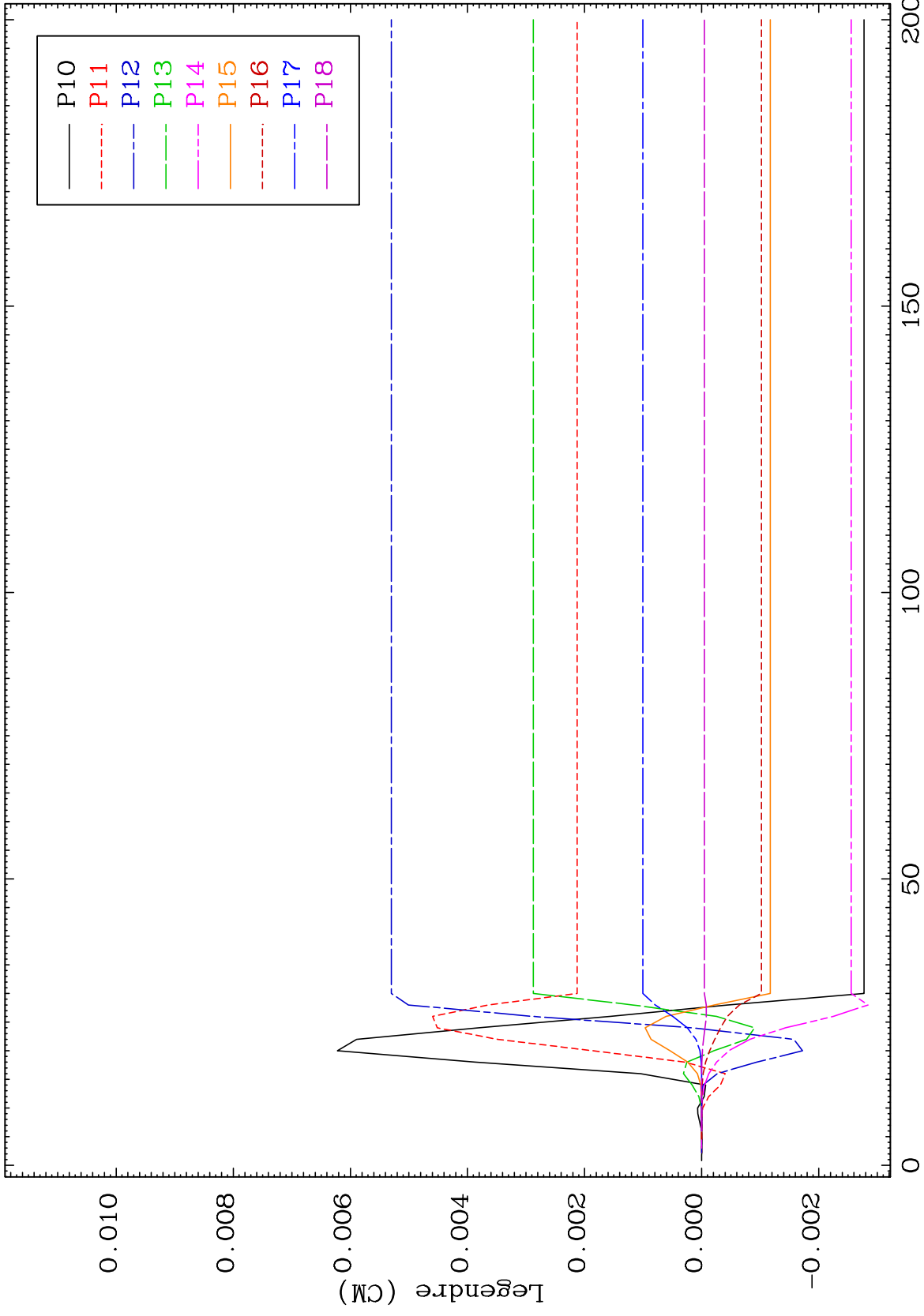
Incident Energy (MeV)

110

MAT 7671

756.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



111

Incident Energy (MeV)

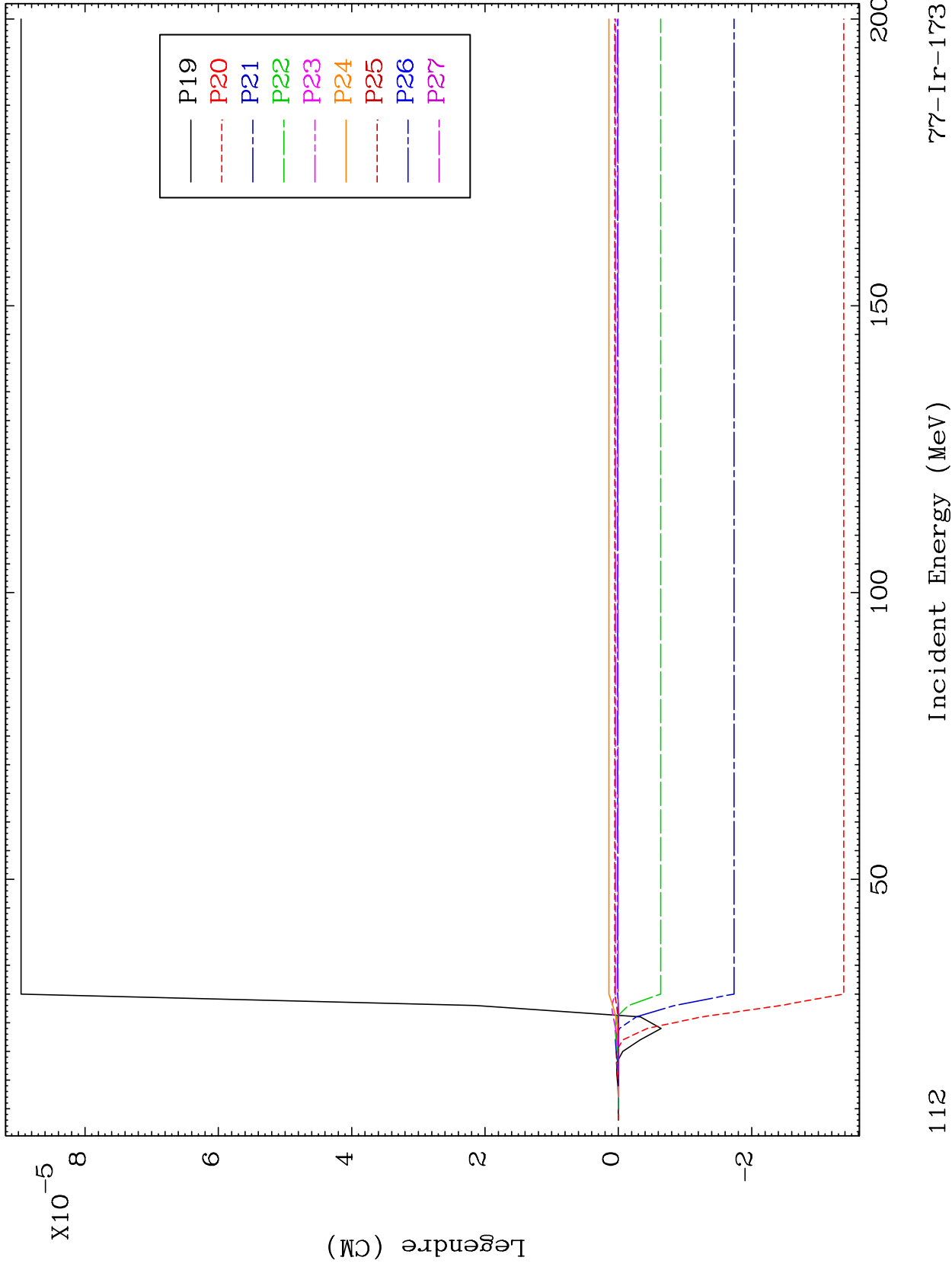
77-Ir-173



MAT 7671

756.8 keV (n,n') Level  
Legendre Coefficients

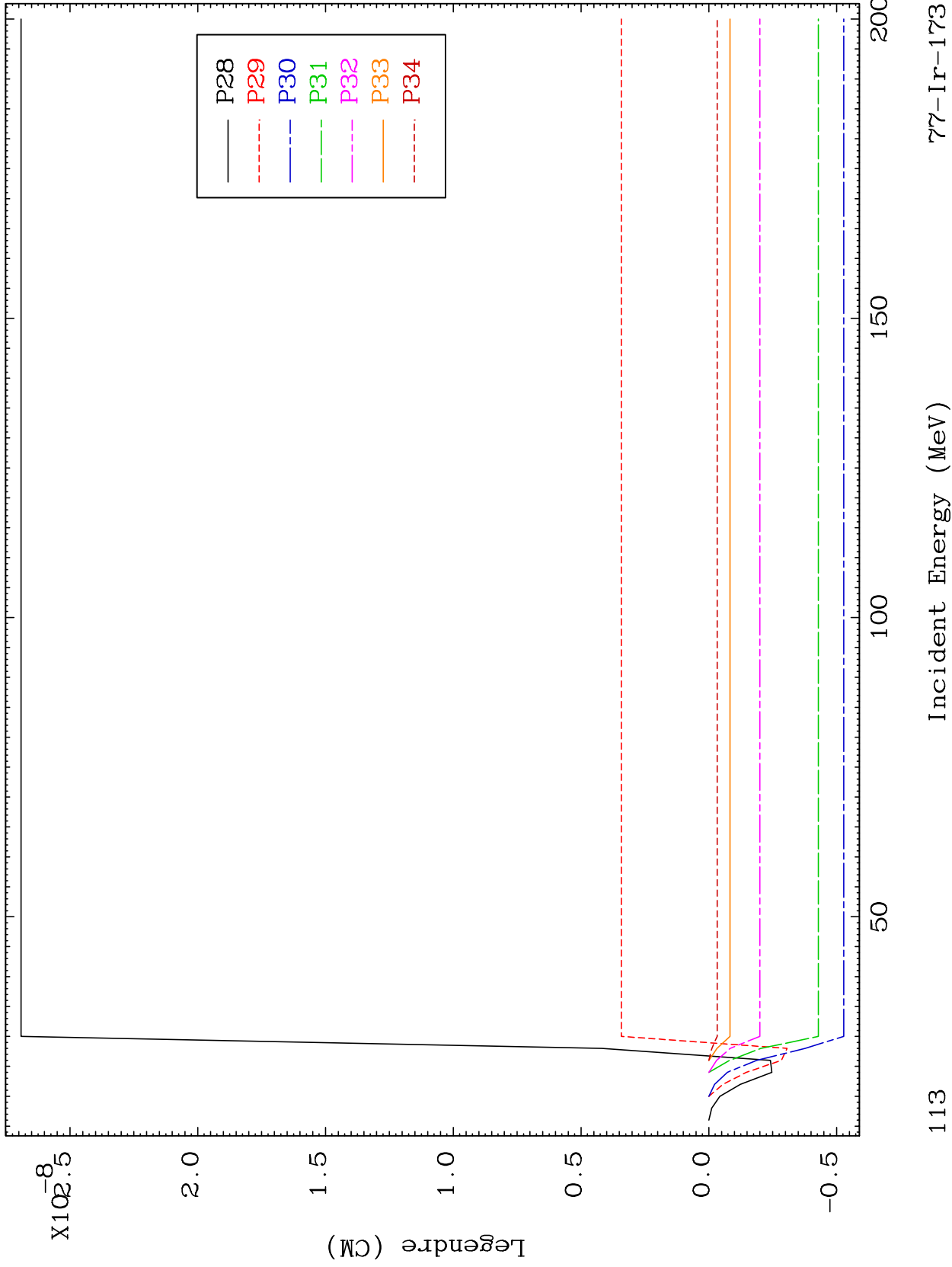
77-Ir-173



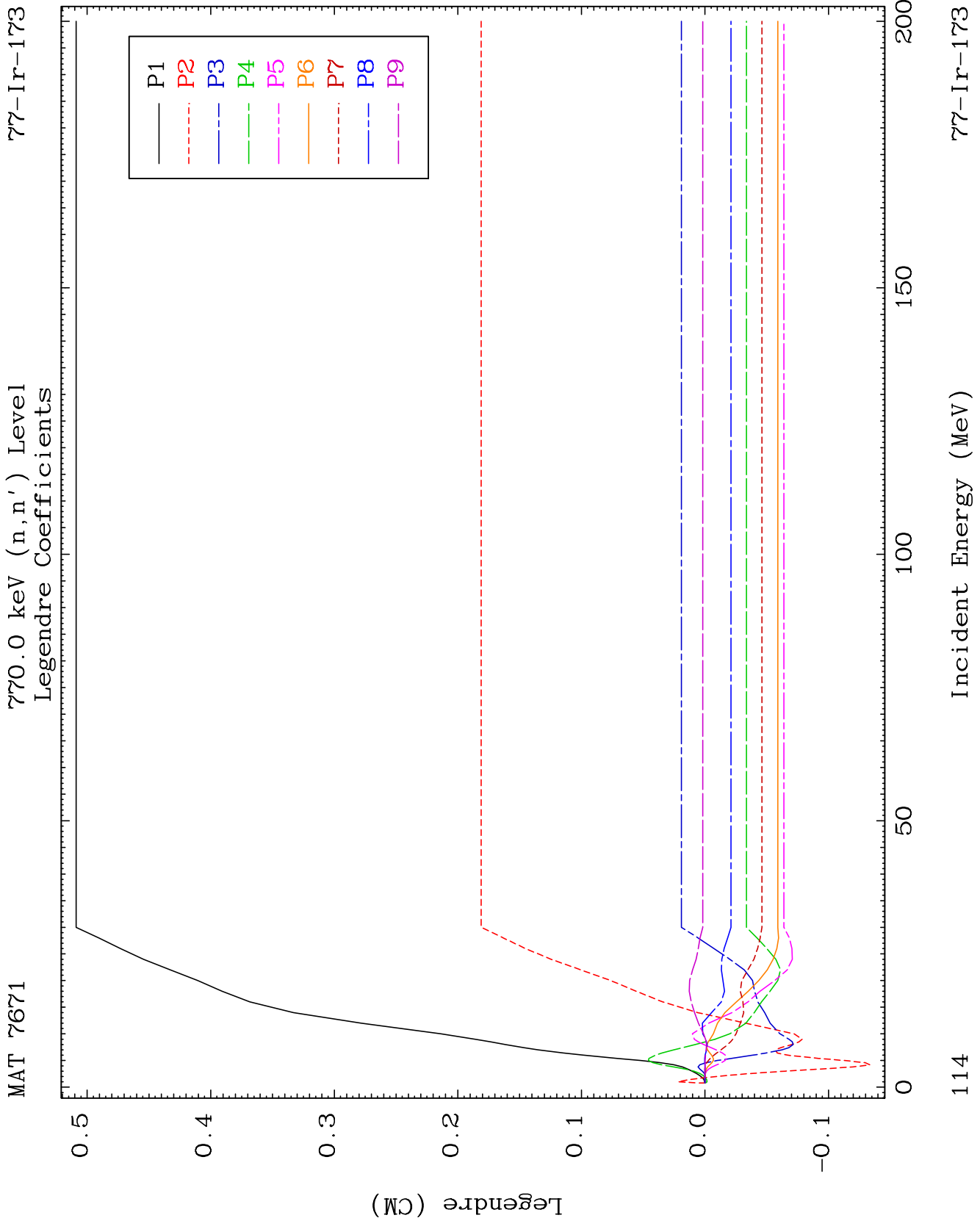
MAT 7671

756.8 keV (n,n') Level  
Legendre Coefficients

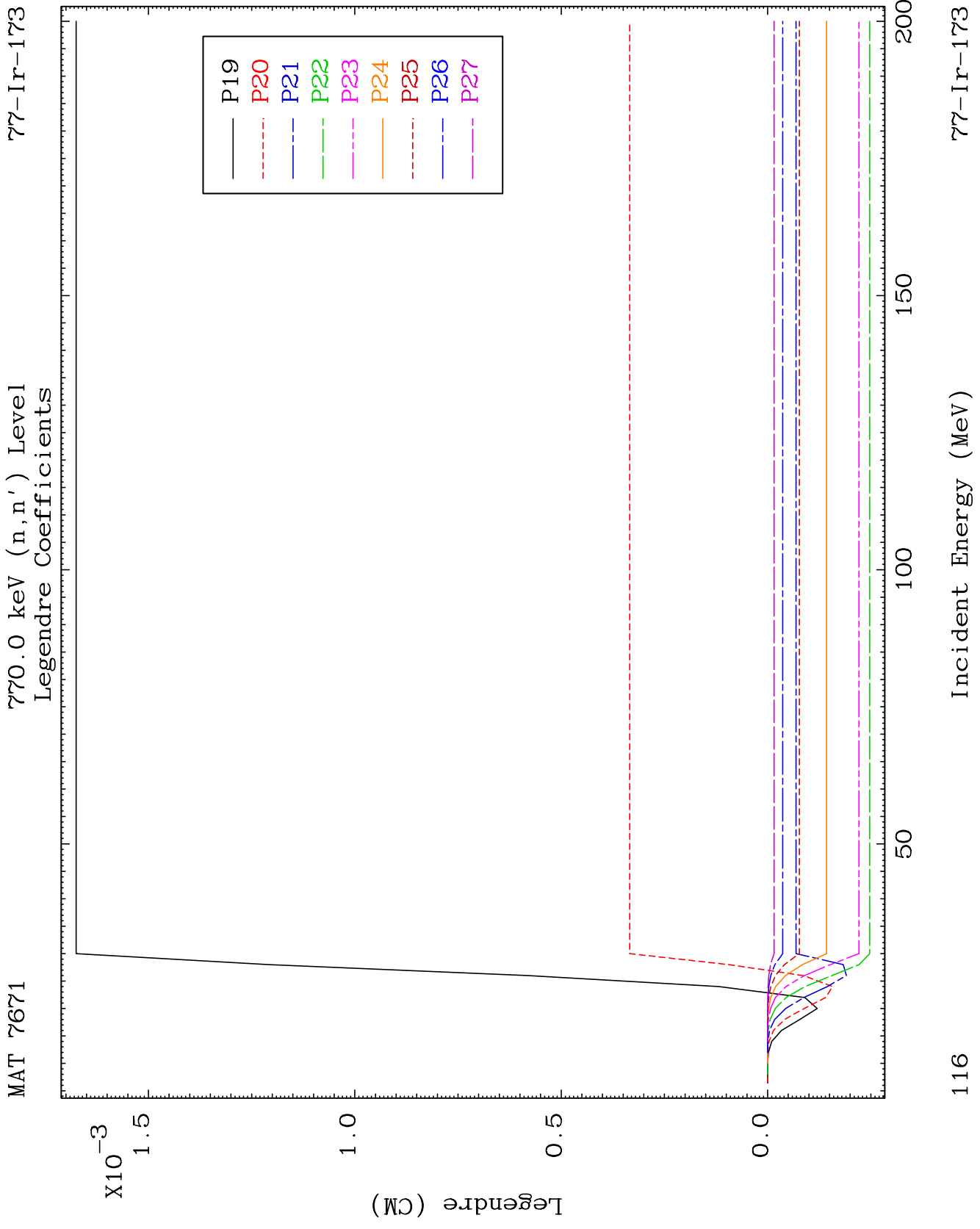
77-Ir-173

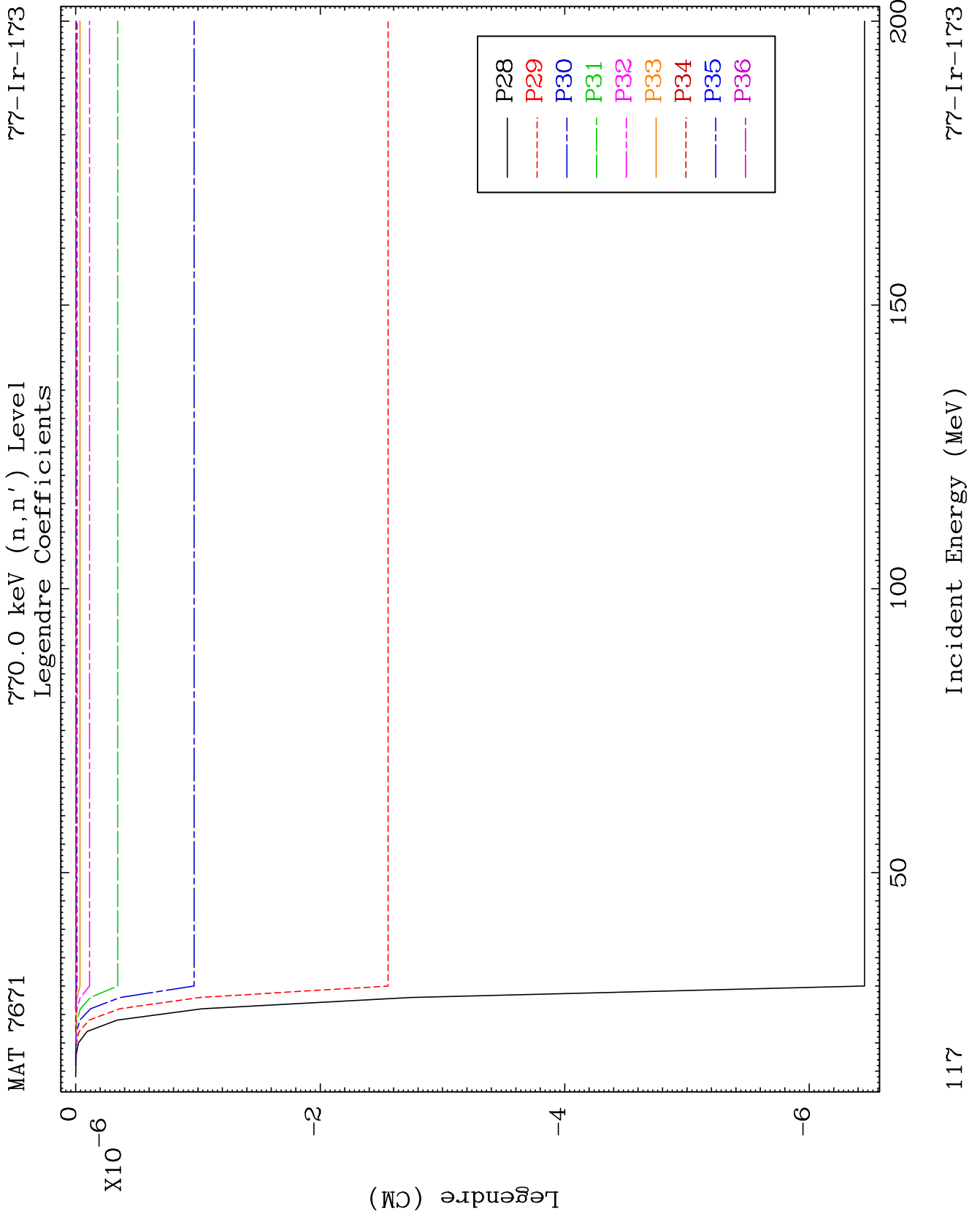


113





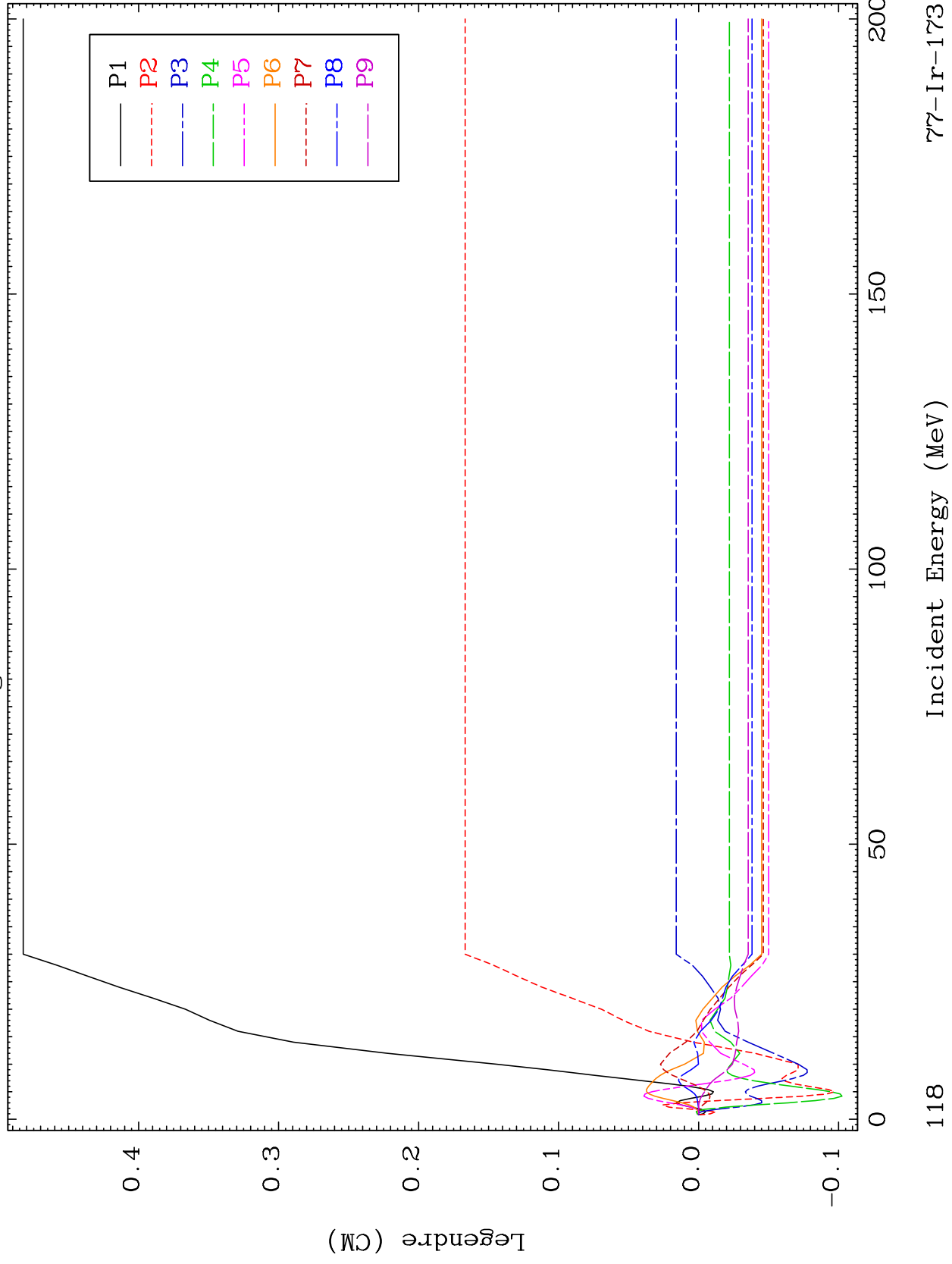




MAT 7671

798.5 keV (n,n') Level  
Legendre Coefficients

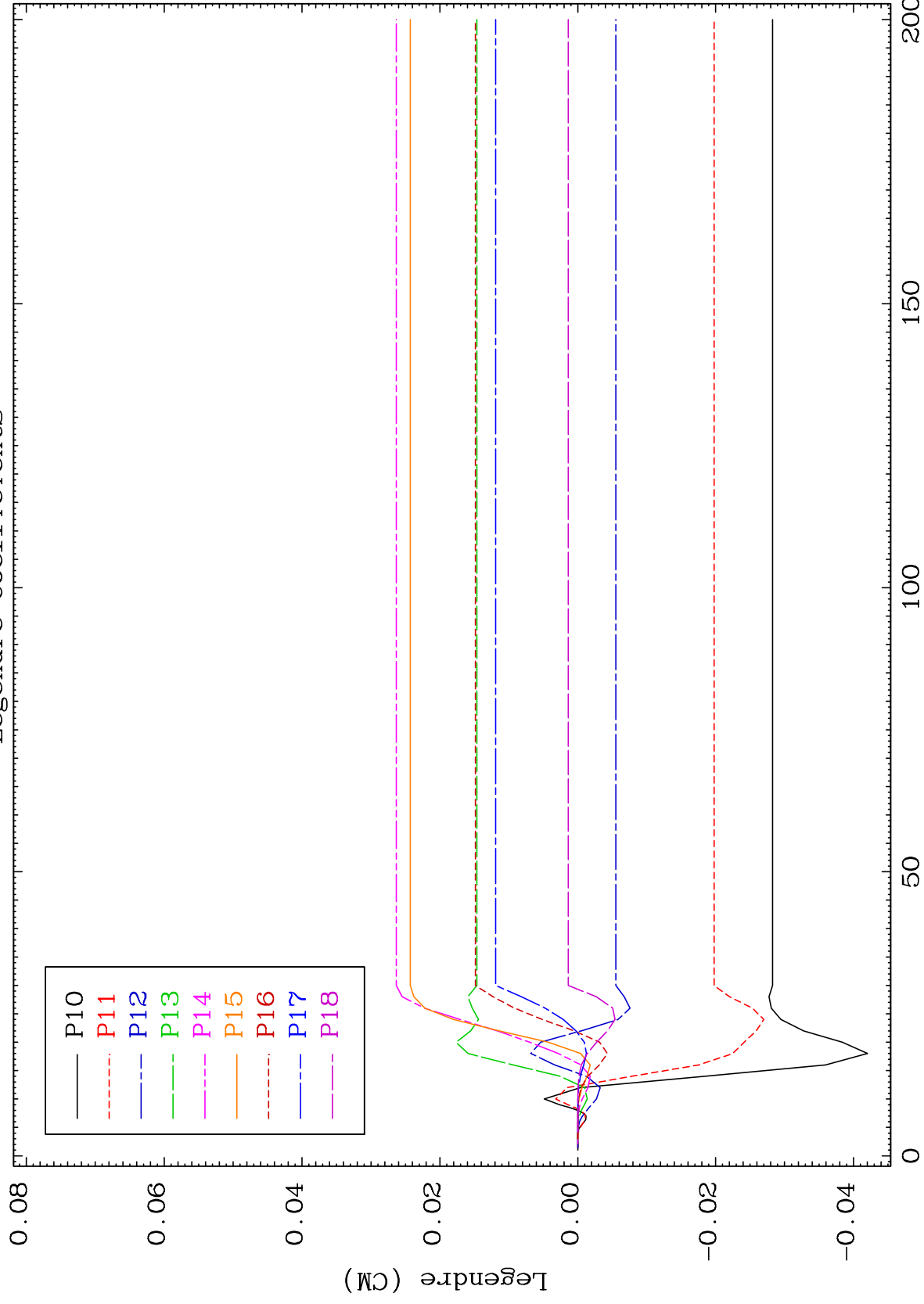
<sup>77</sup>Ir-173



<sup>77</sup>Ir-173

Incident Energy (MeV)

118

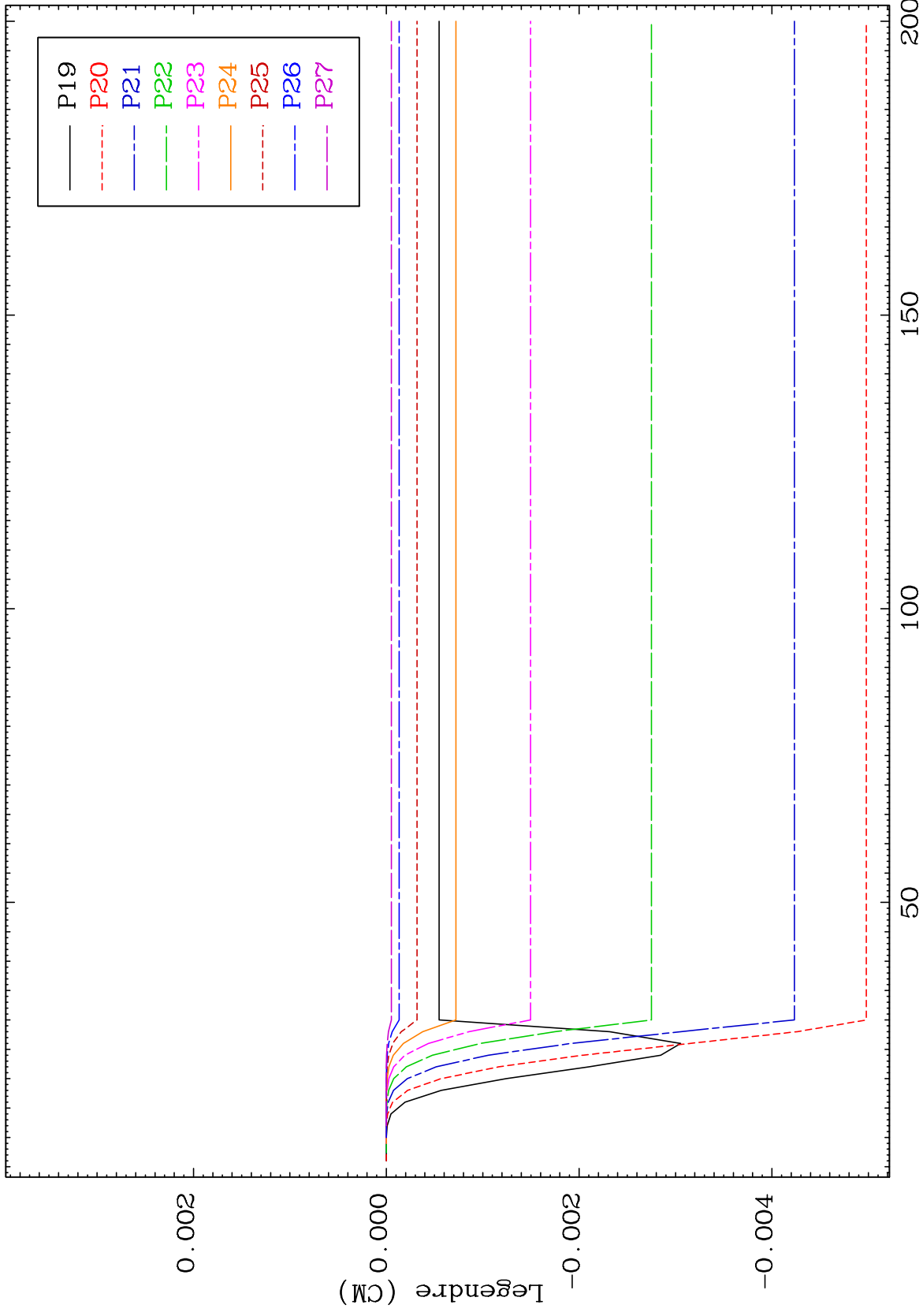




MAT 7671

798.5 keV (n,n') Level  
Legendre Coefficients

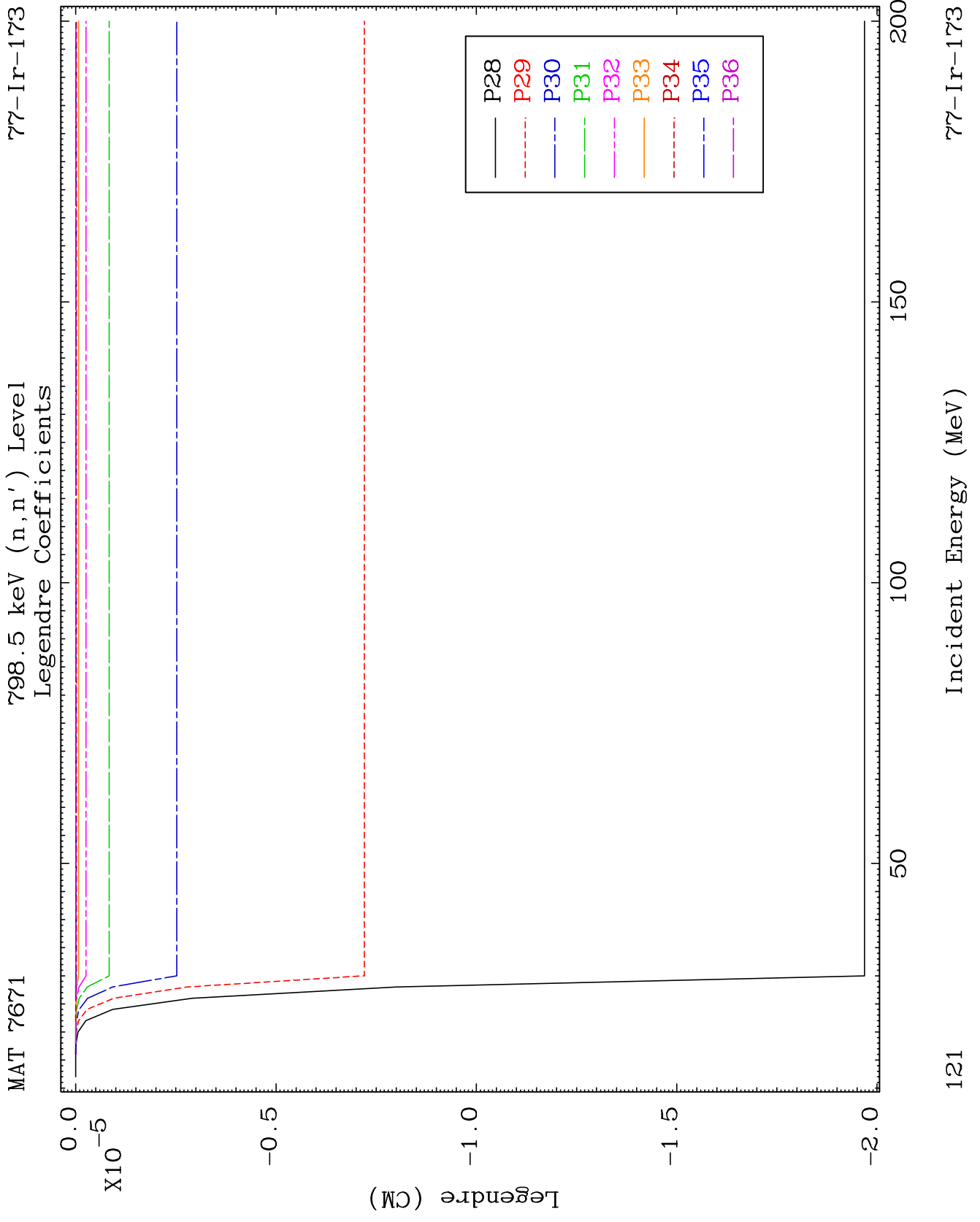
77-Ir-173



120

Incident Energy (MeV)

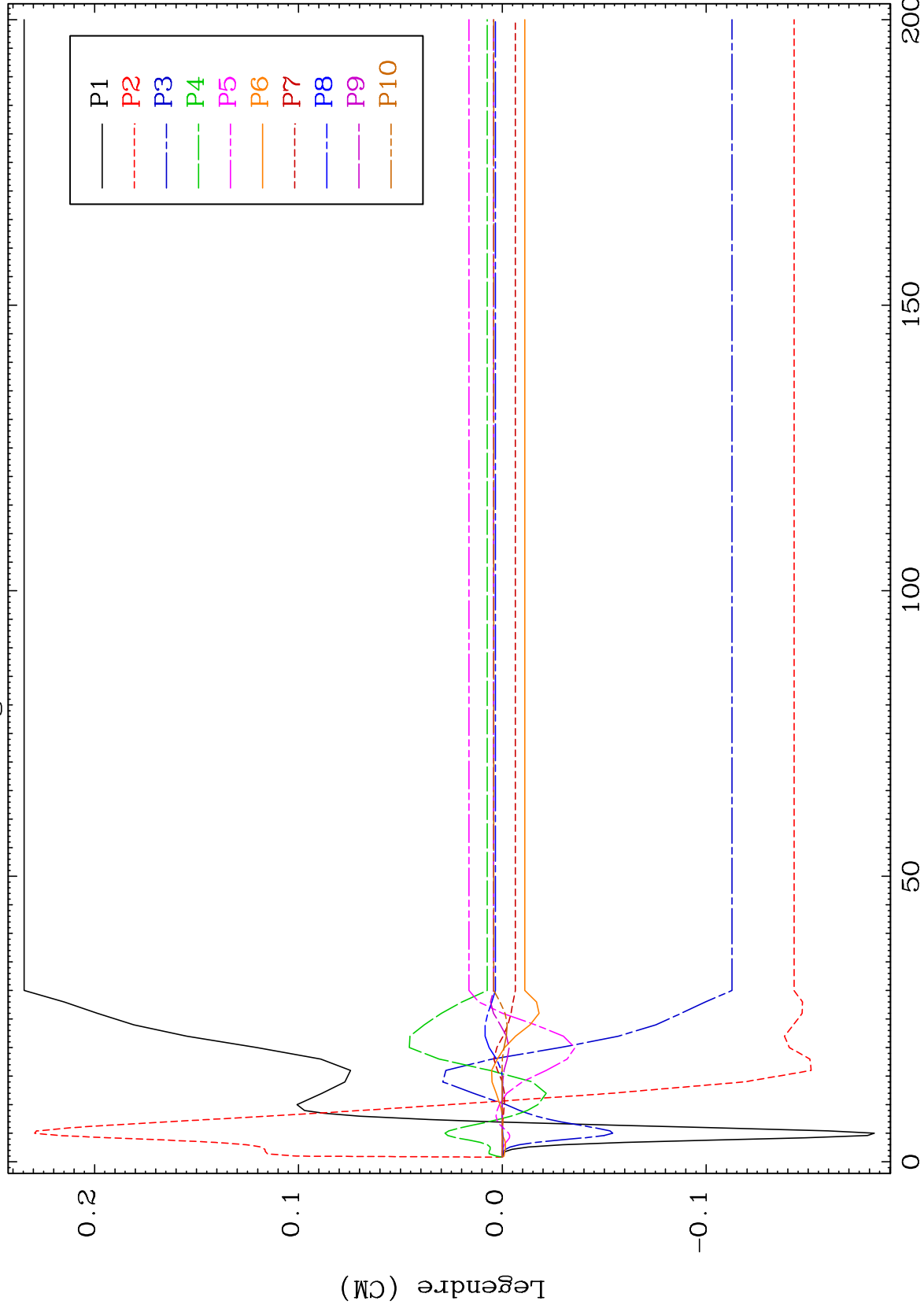
77-Ir-173



MAT 7671

806.3 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



122

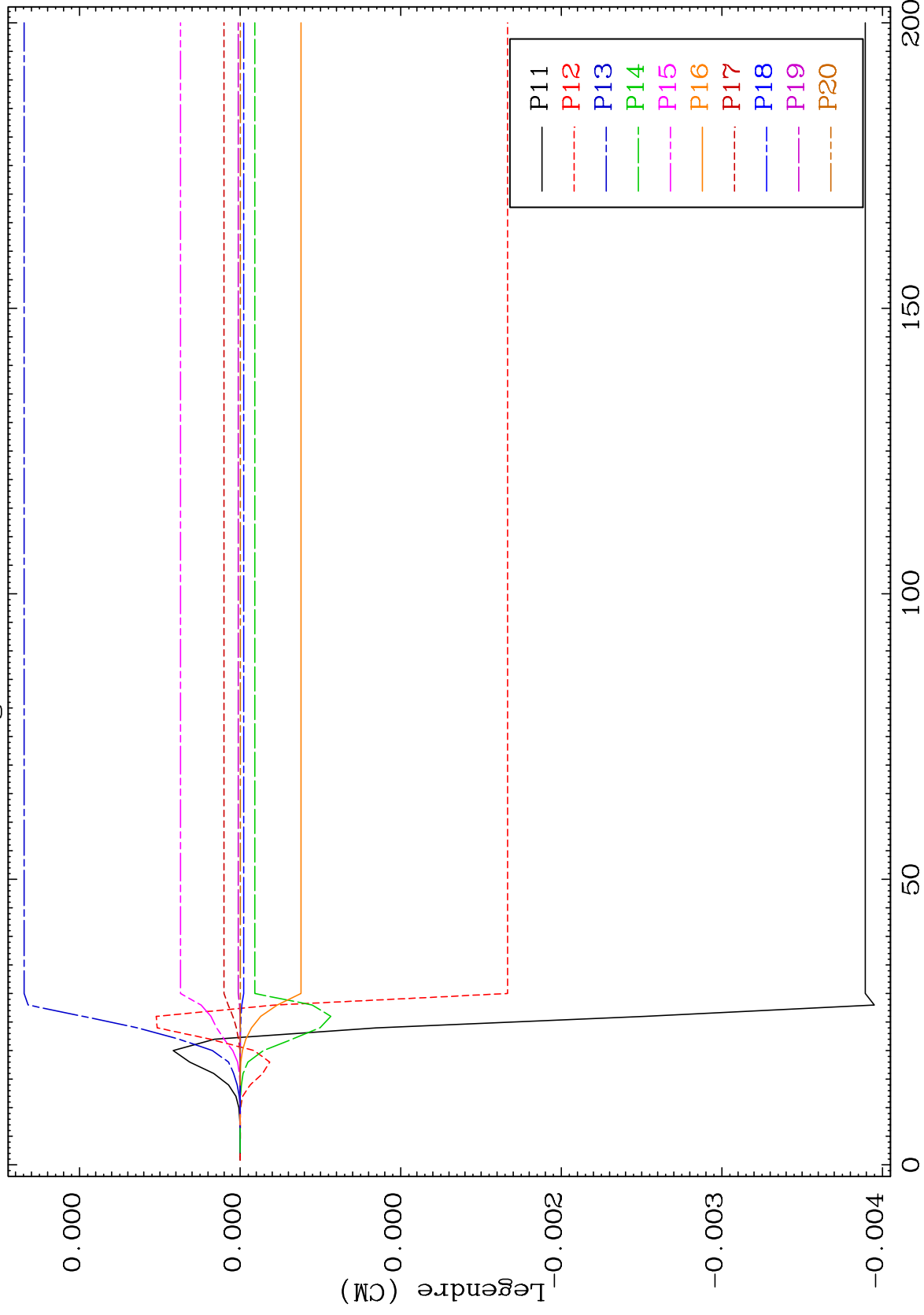
Incident Energy (MeV)

77-Ir-173

MAT 7671

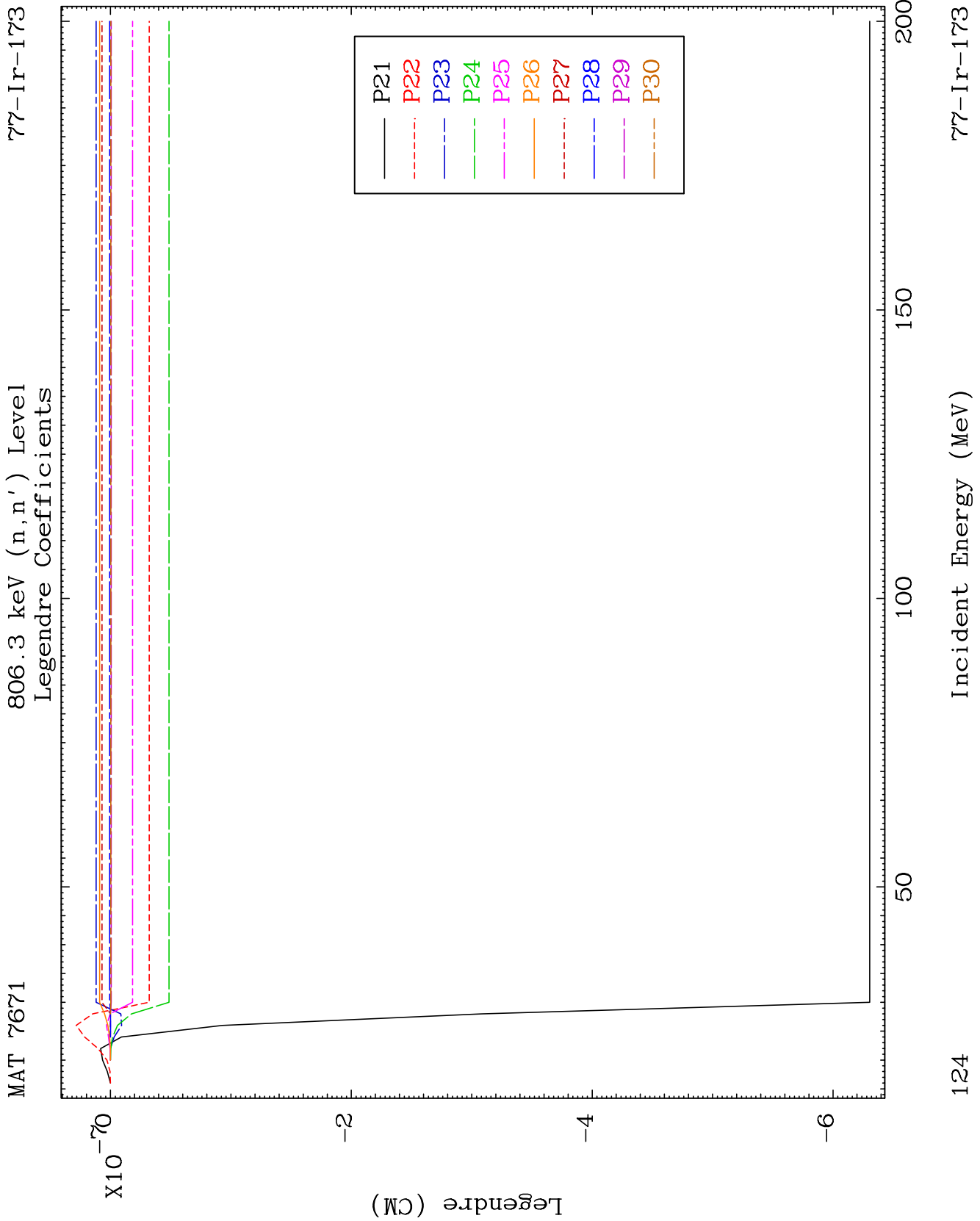
806.3 keV (n, n') Level  
Legendre Coefficients

77-Ir-173



123

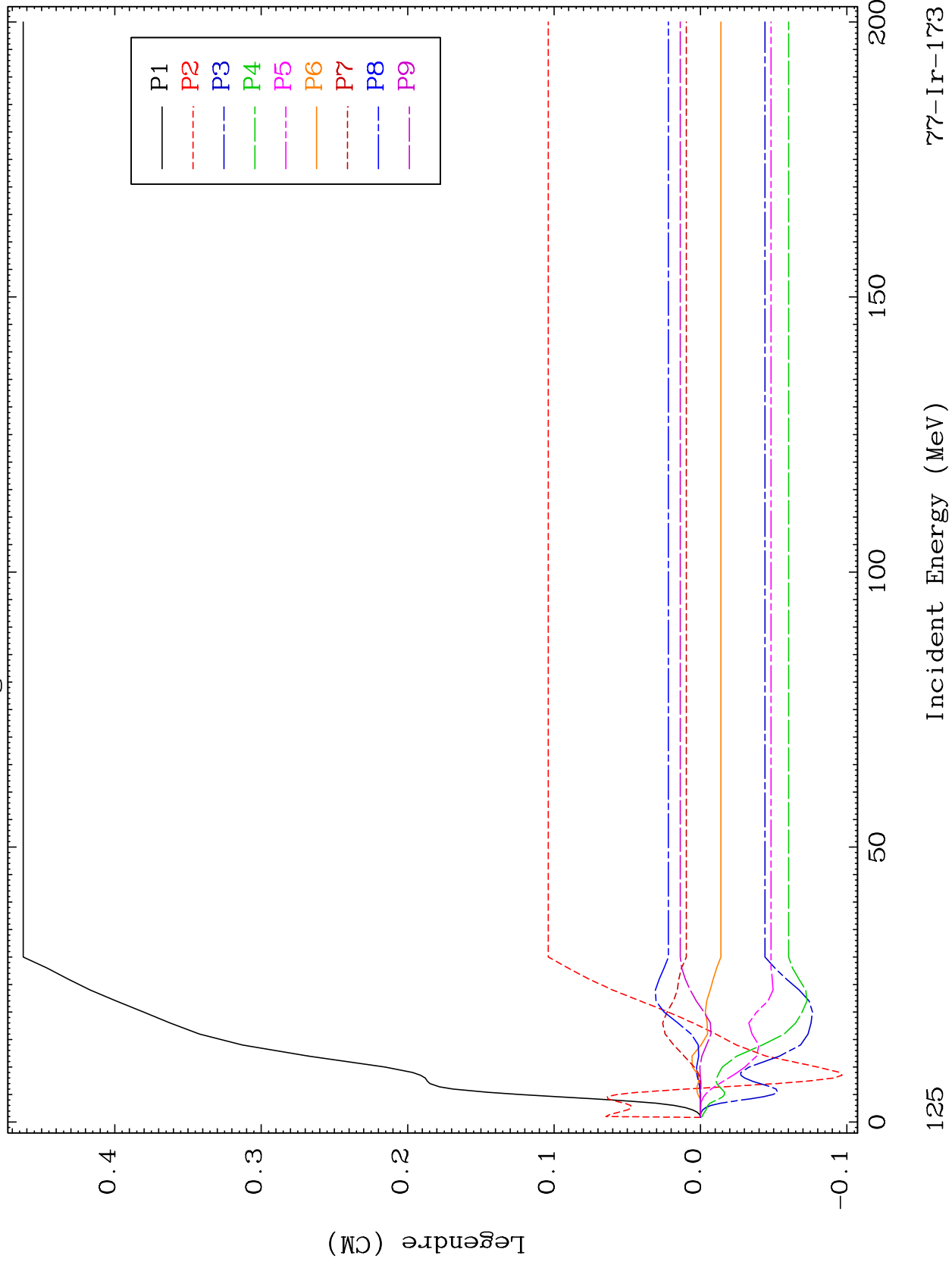
77-Ir-173



MAT 7671

827.7 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



77-Ir-173

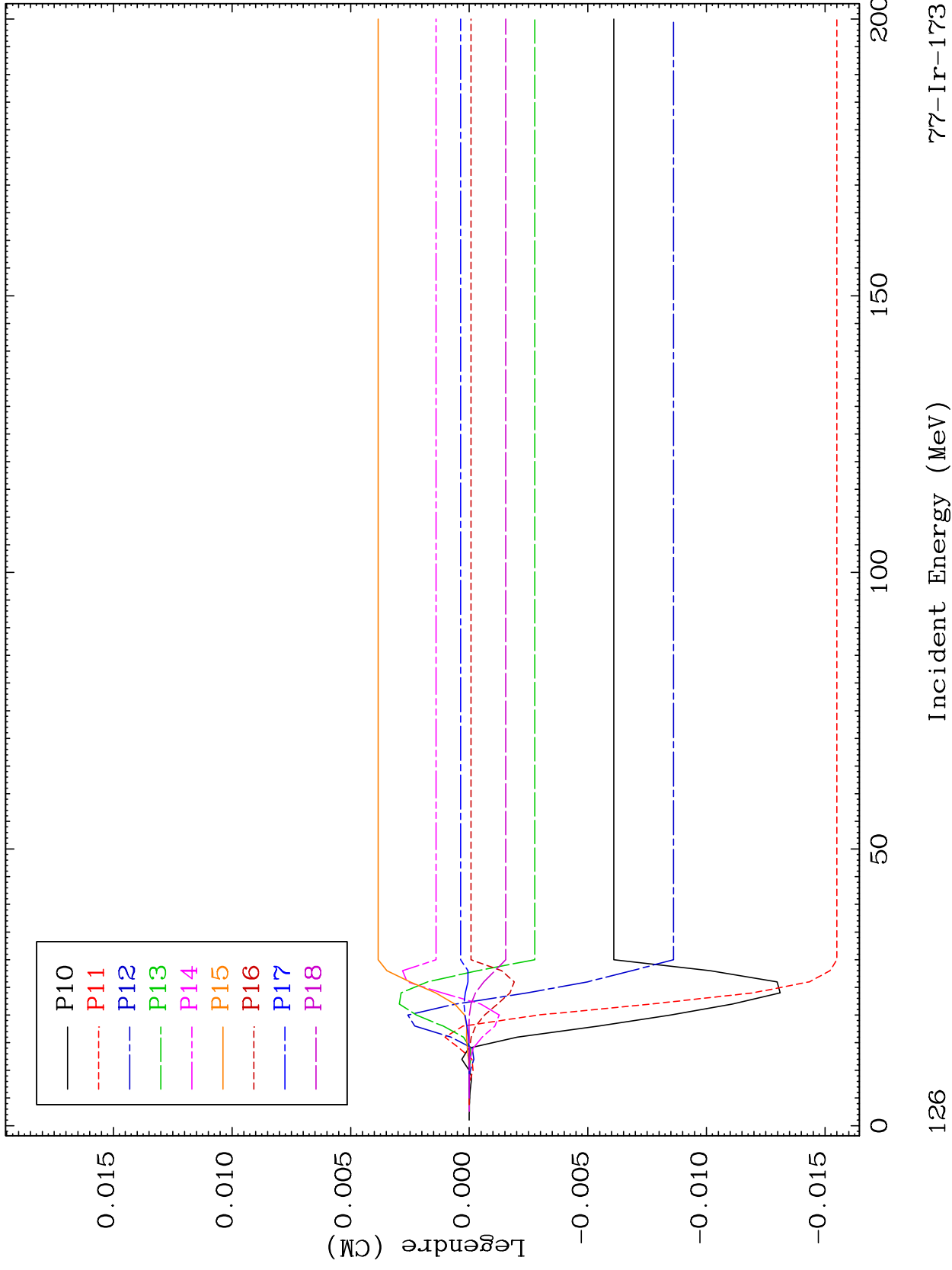
Incident Energy (MeV)

125

MAT 7671

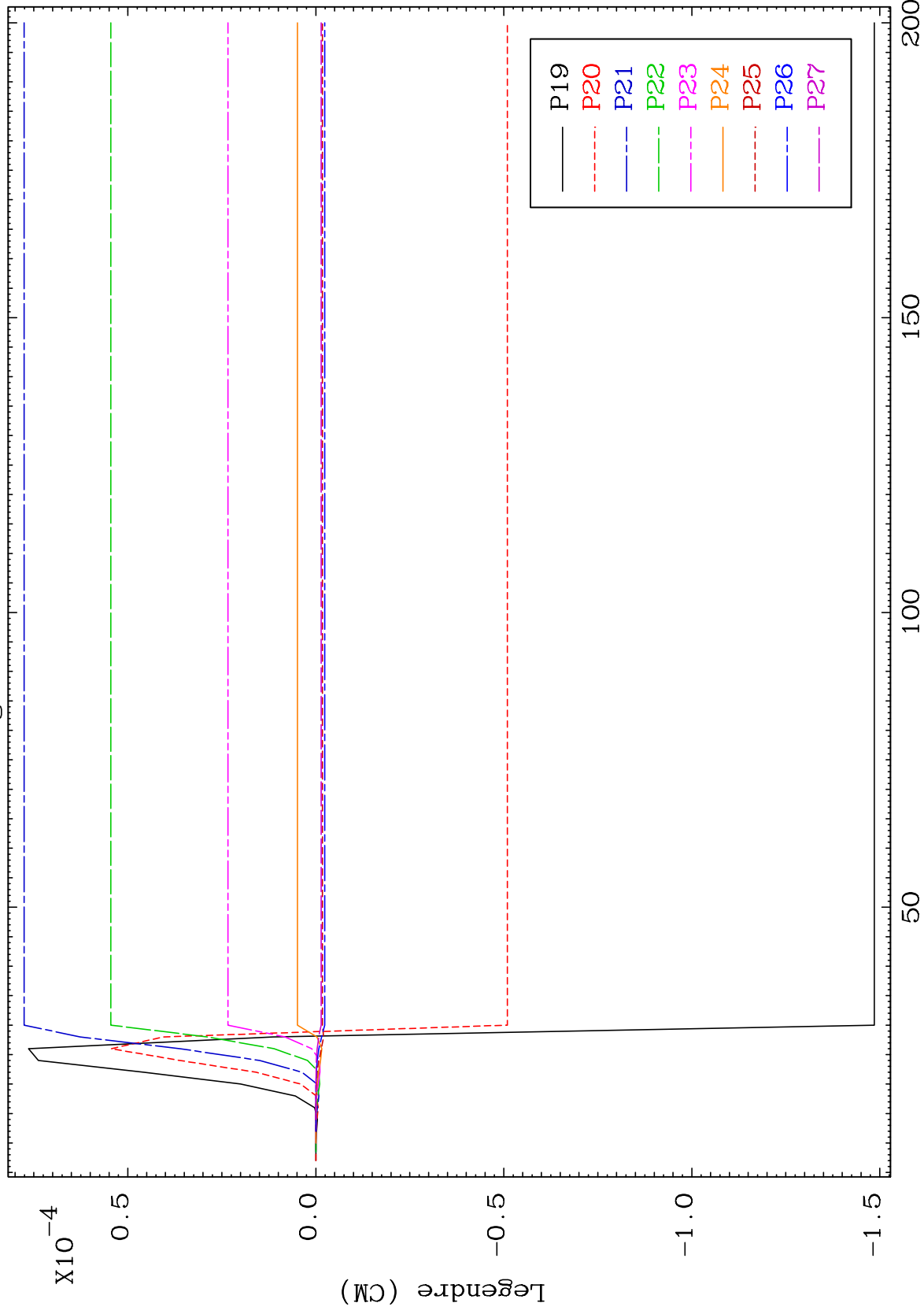
827.7 keV (n,n') Level  
Legendre Coefficients

77-Ir-173

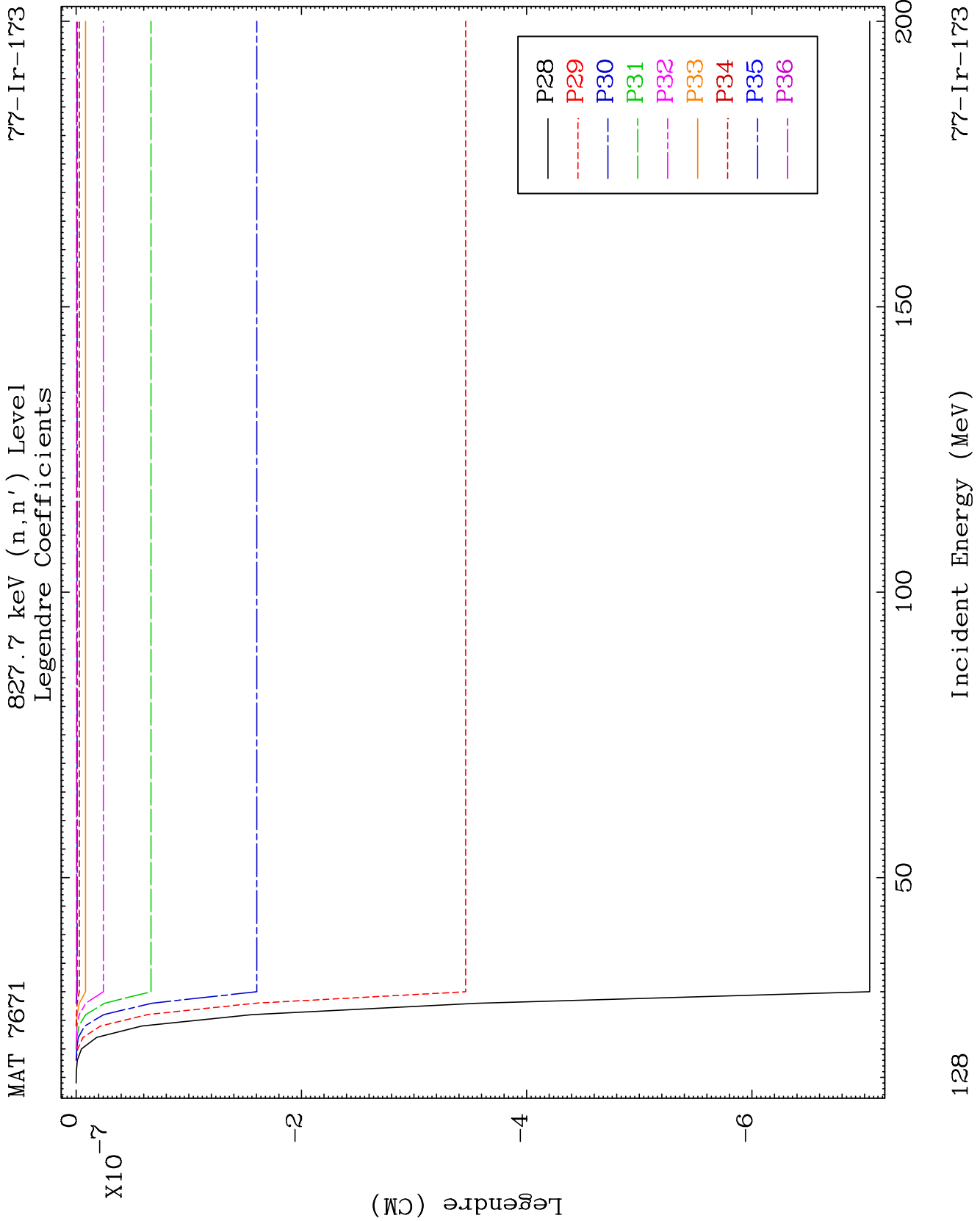


126

77-Ir-173



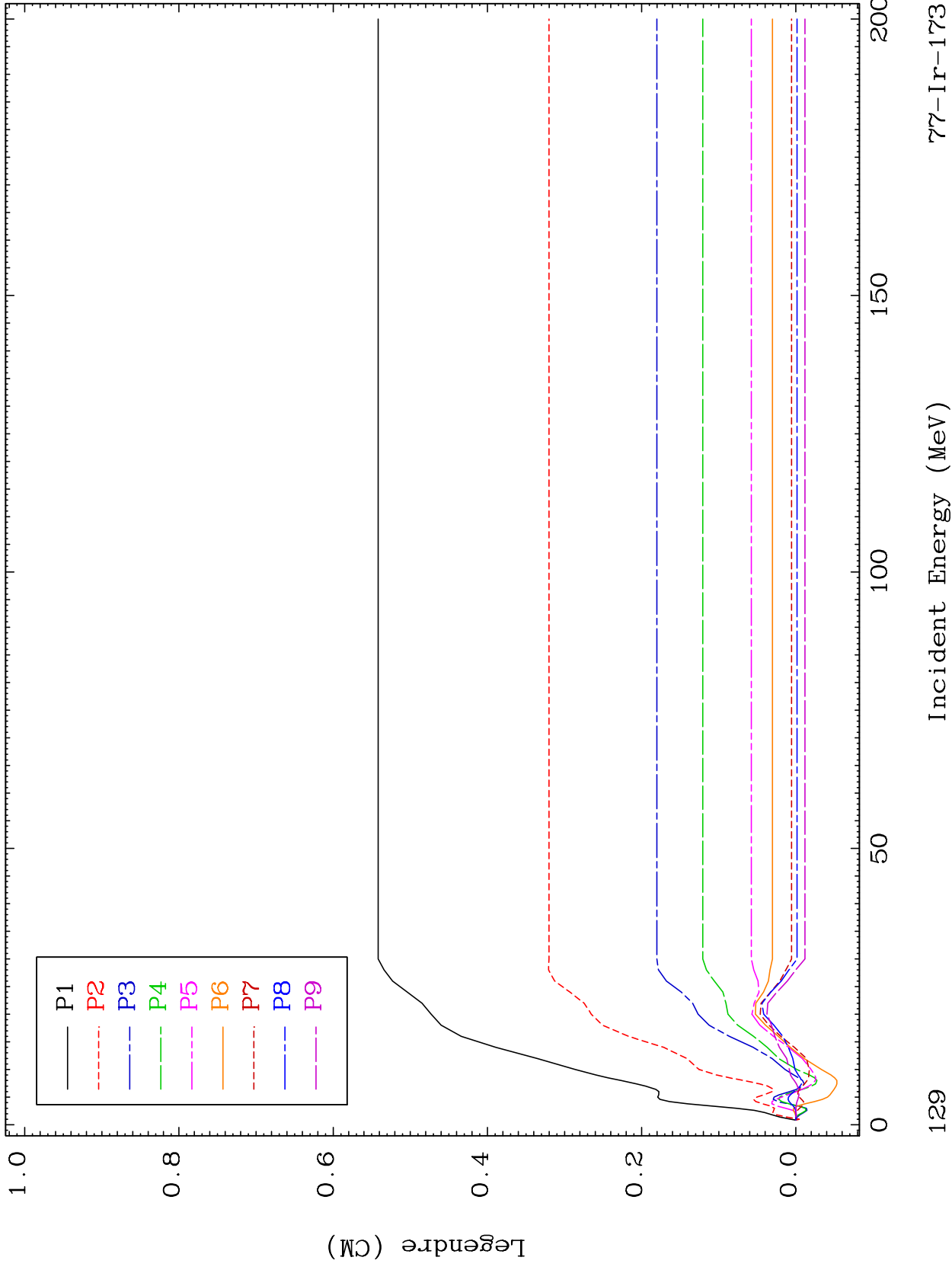




MAT 7671

833.5 keV (n,n') Level  
Legendre Coefficients

<sup>77</sup>Ir-173



<sup>77</sup>Ir-173

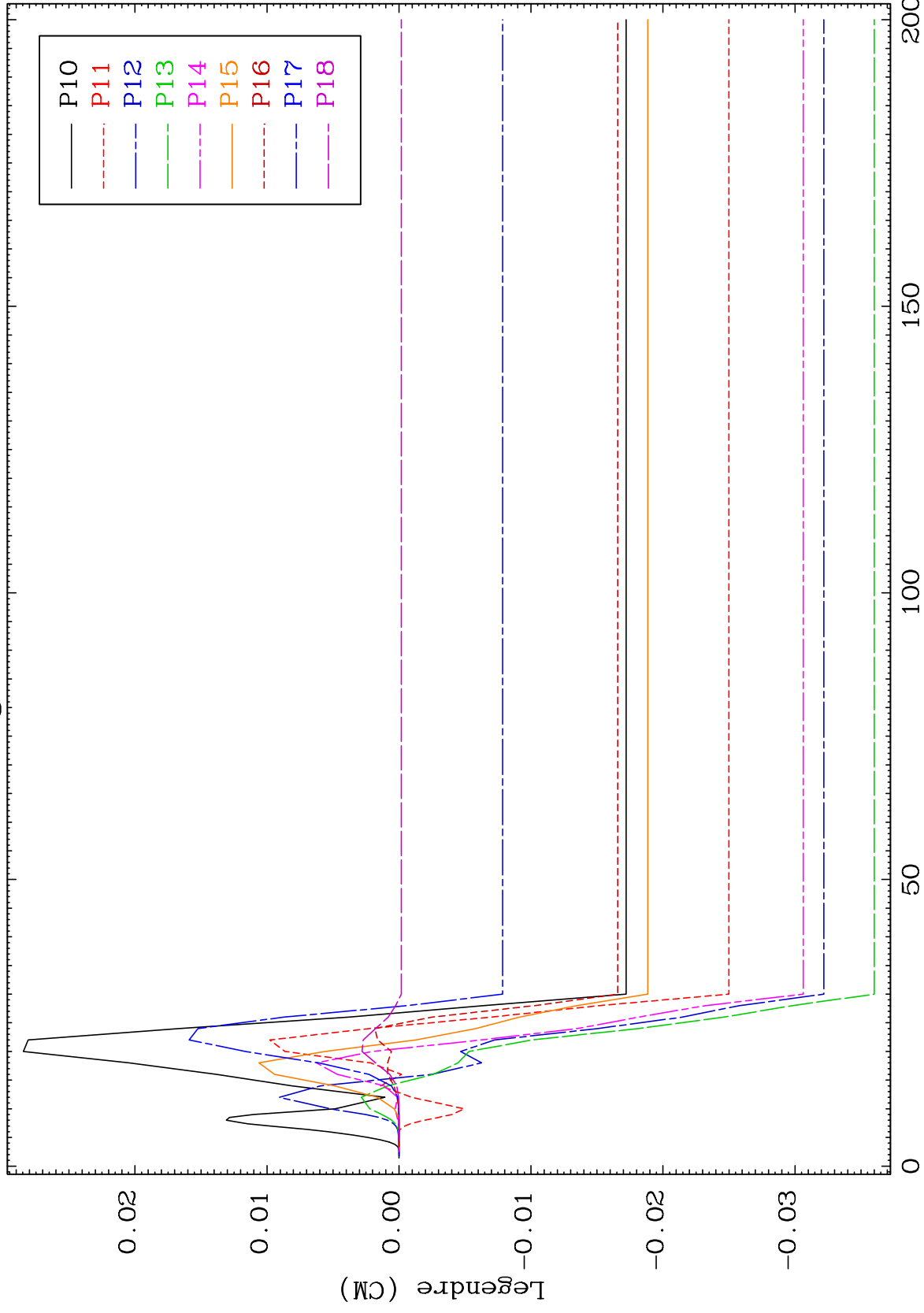
Incident Energy (MeV)

129

MAT 7671

833.5 keV (n,n') Level  
Legendre Coefficients

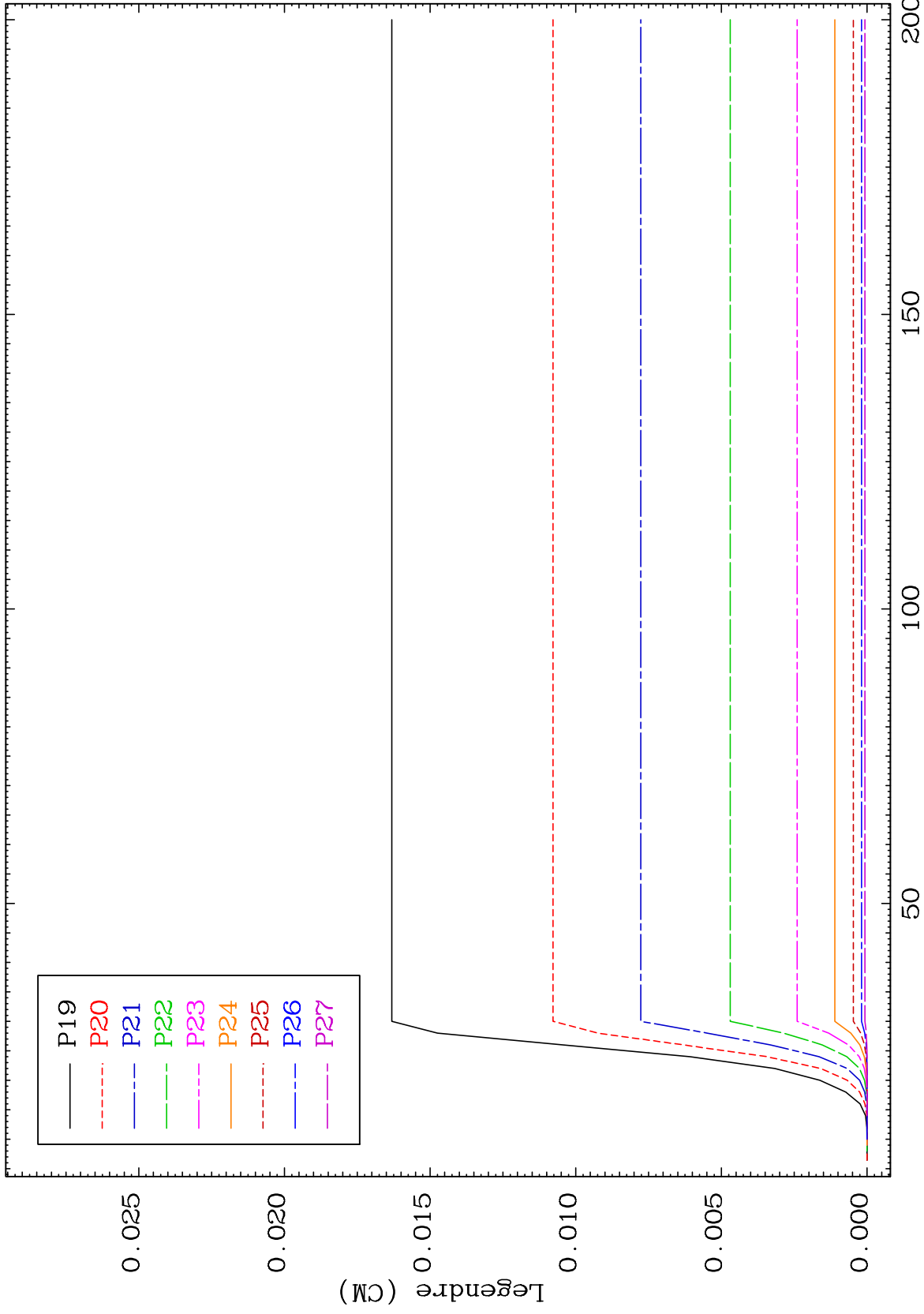
77-Ir-173



130

Incident Energy (MeV)

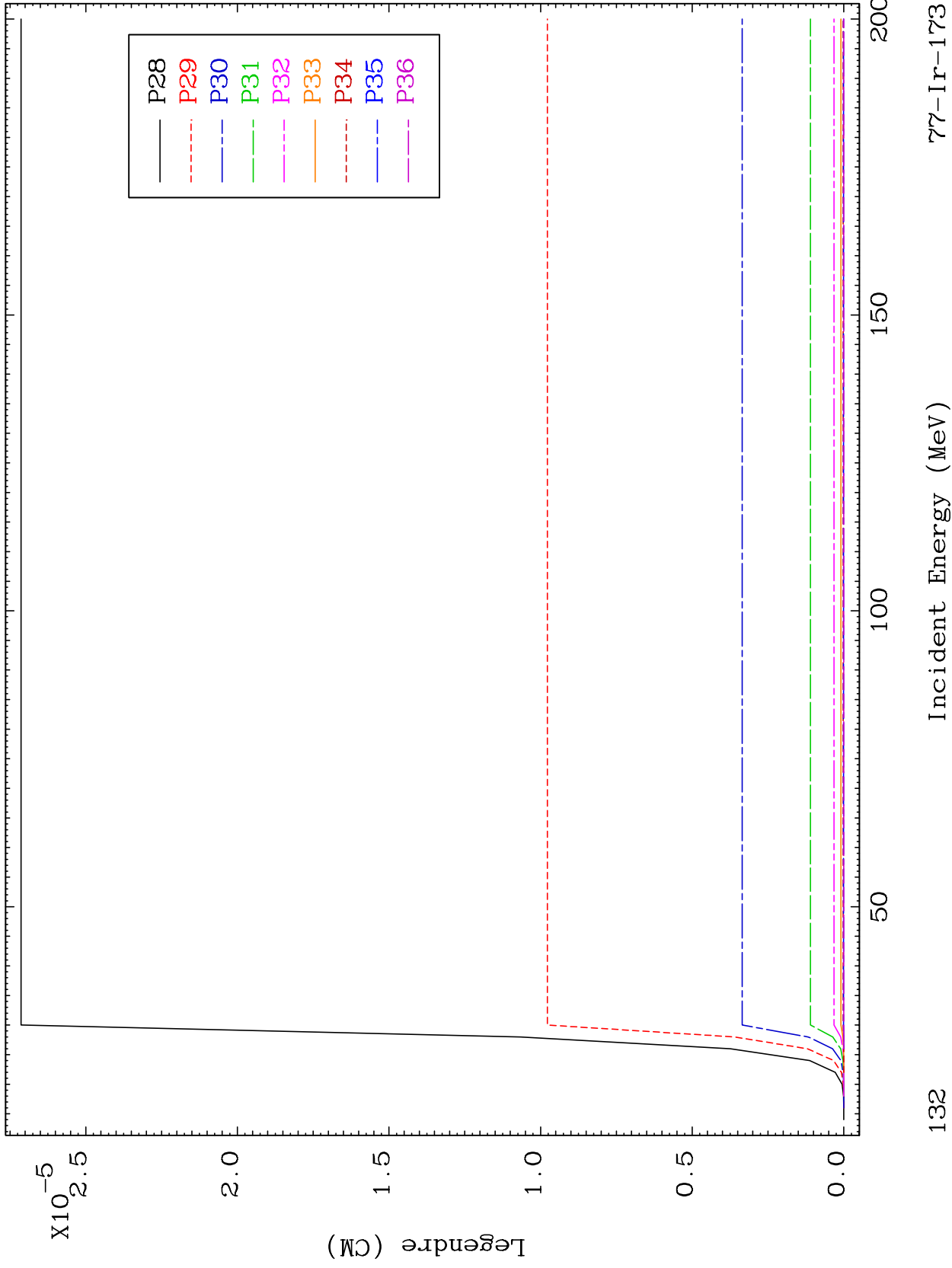
77-Ir-173



MAT 7671

833.5 keV (n,n') Level  
Legendre Coefficients

77-Ir-173



132

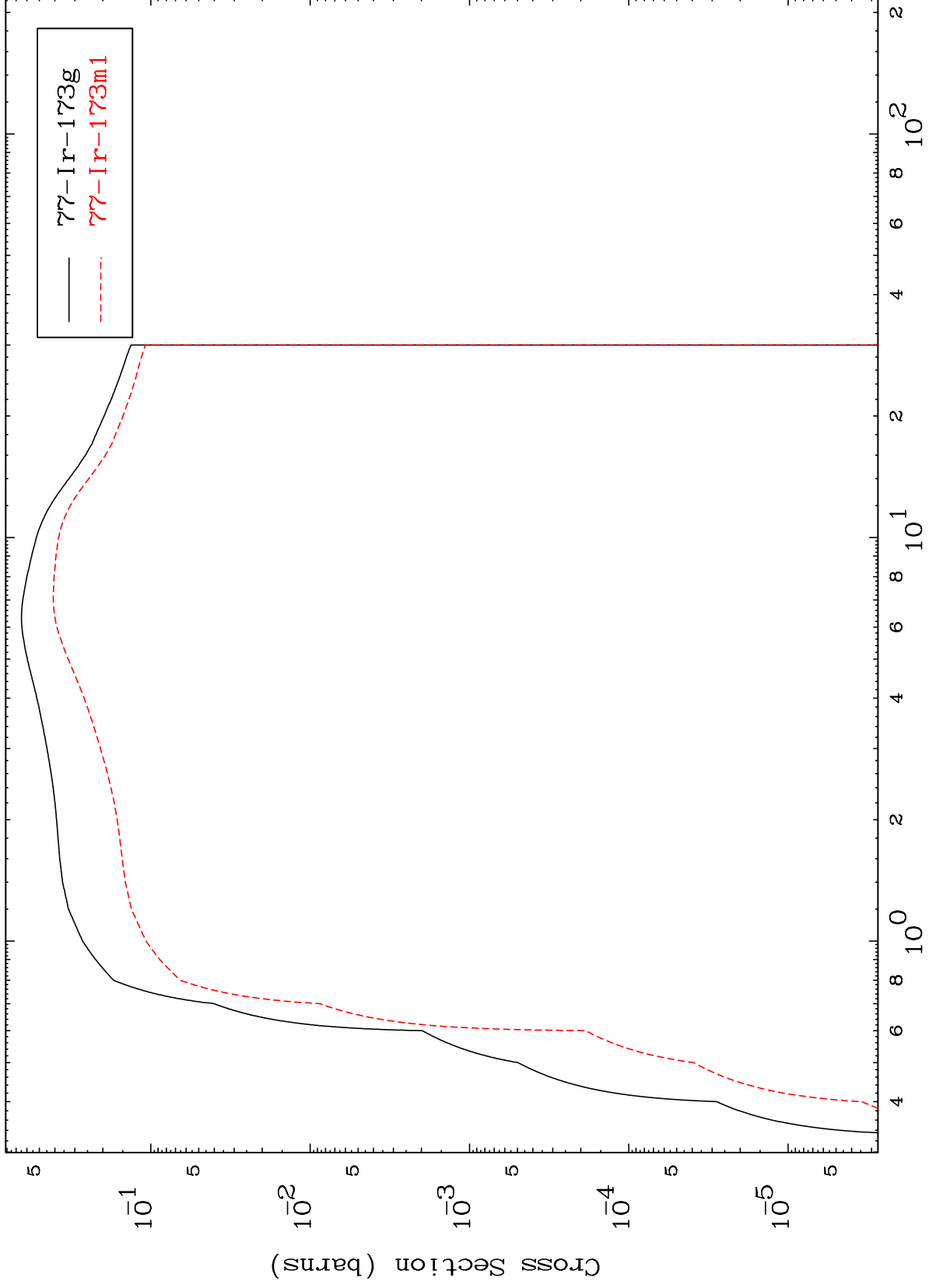
Incident Energy (MeV)

77-Ir-173

MAT 7671

<sup>77</sup>Ir-173

Inelastic  
Radionuclide Production Cross Section

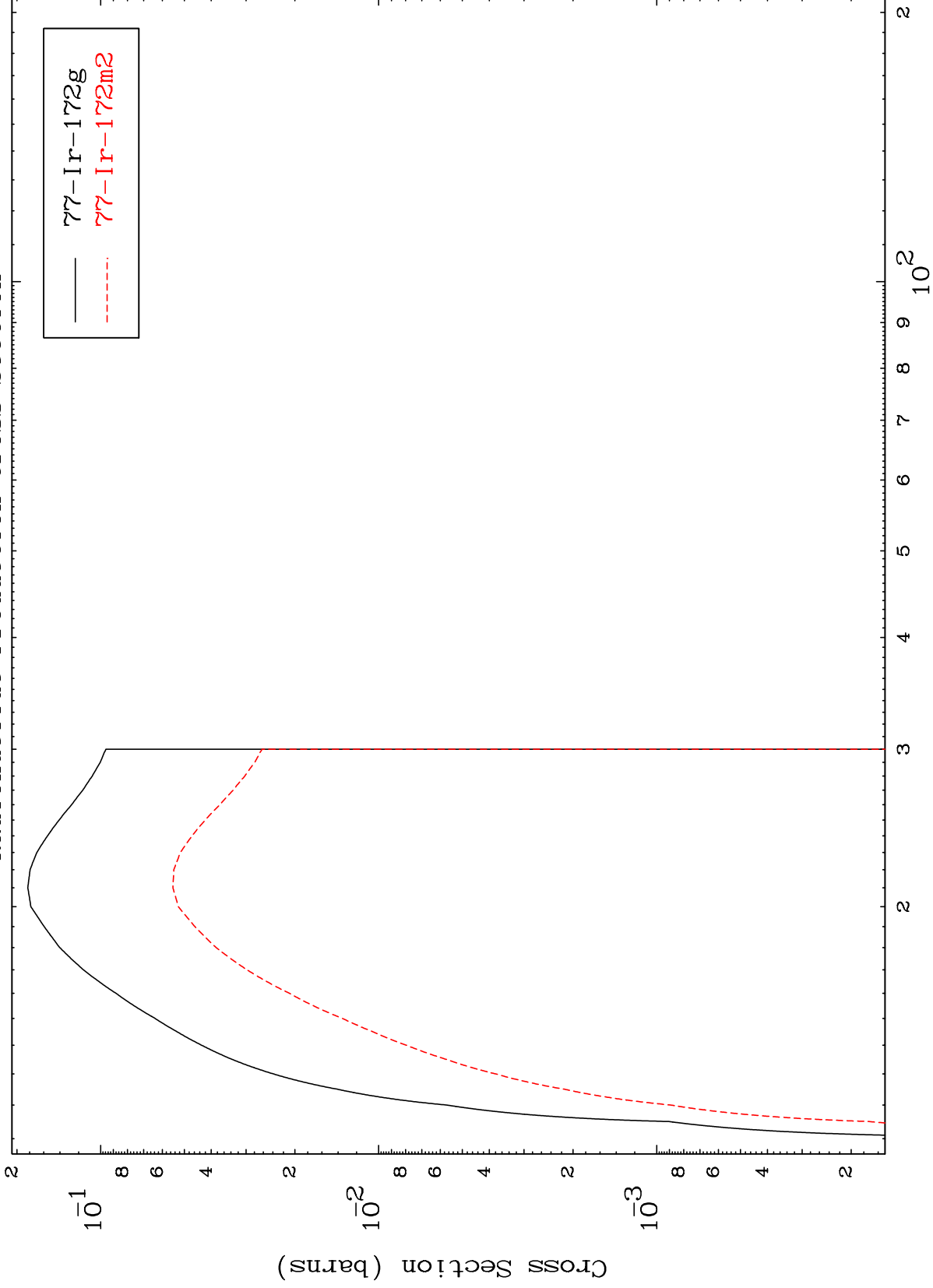


133

Incident Energy (MeV)

<sup>77</sup>Ir-173

Radionuclide Production Cross Section

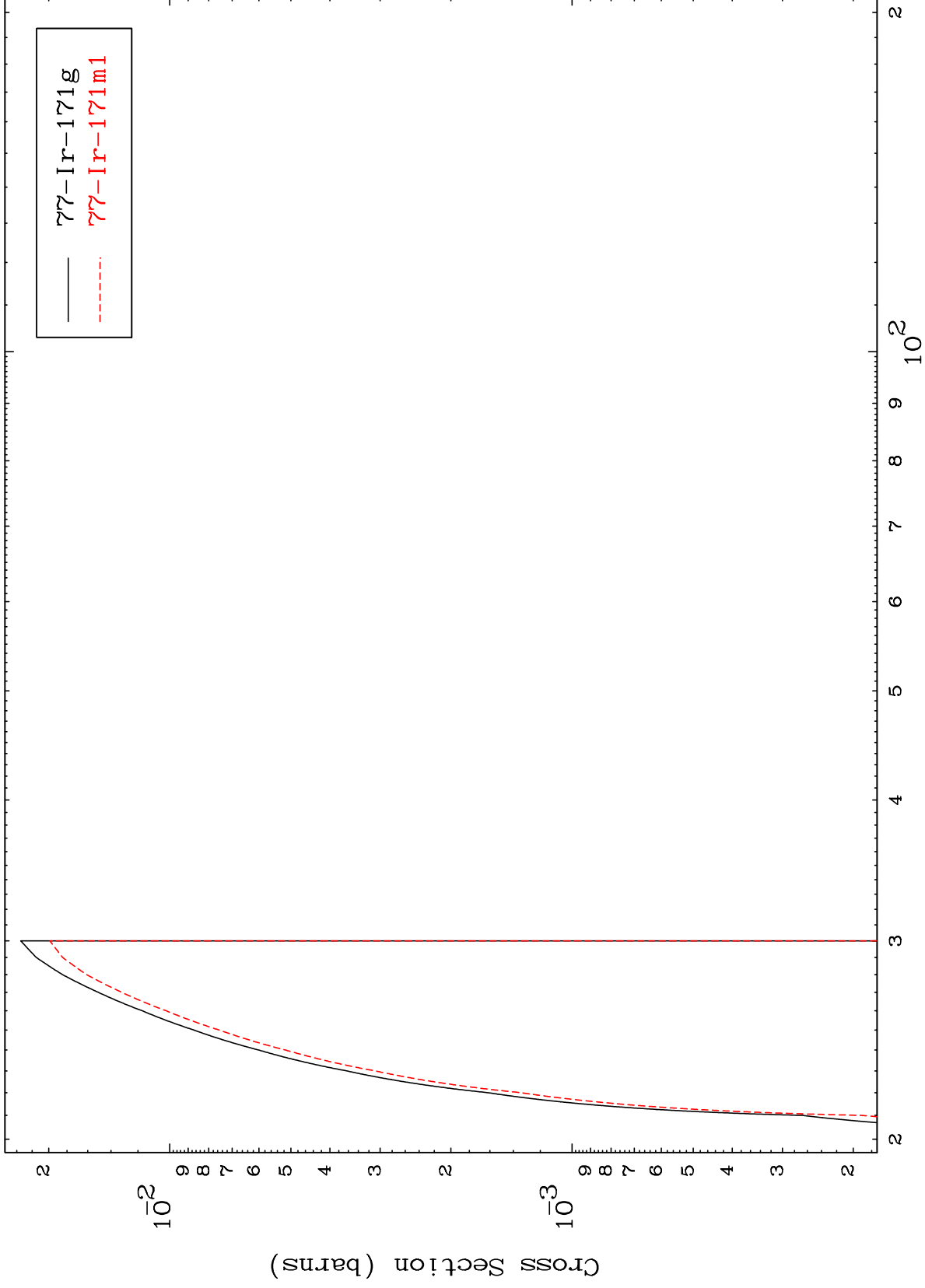


MAT 7671

(n,3n)

<sup>77</sup>Ir-173

Radionuclide Production Cross Section



135

Incident Energy (MeV)

<sup>77</sup>Ir-173

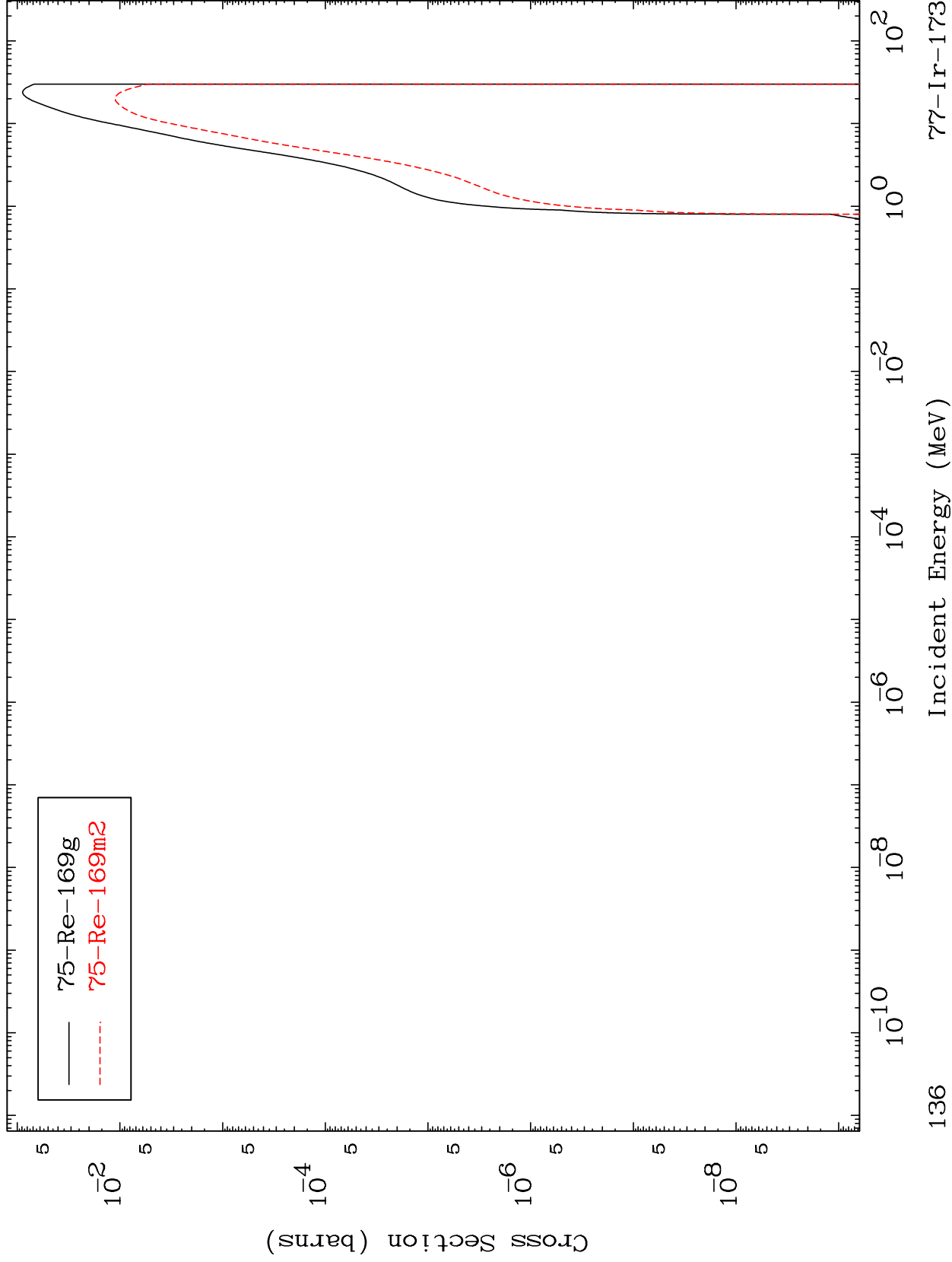


MAT 7671

$(n, n')$   $\alpha$

$^{77}\text{Ir-173}$

Radionuclide Production Cross Section



136

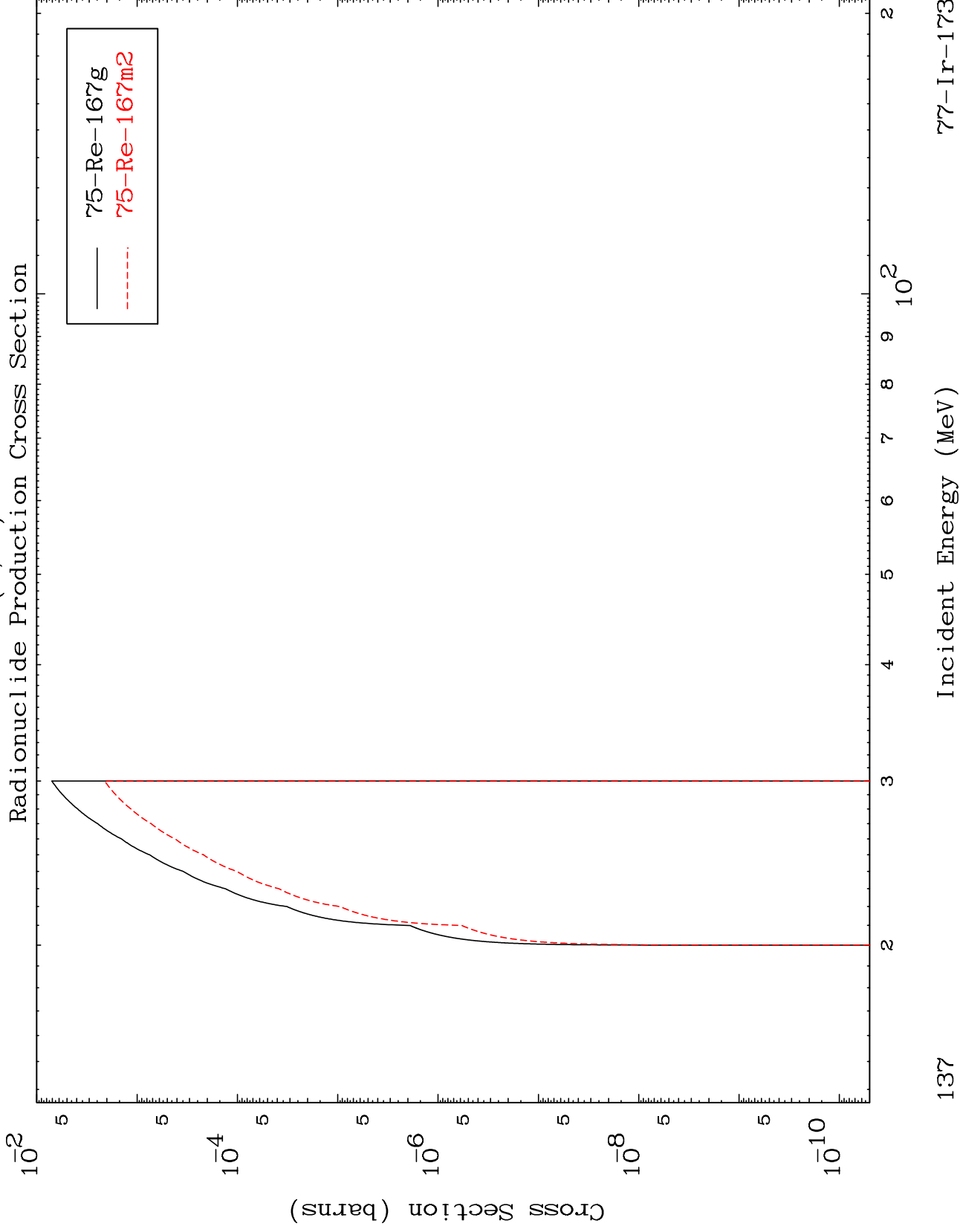
Incident Energy (MeV)

$^{77}\text{Ir-173}$

MAT 7671

$(n,3n) \alpha$

<sup>77</sup>Ir-173



137

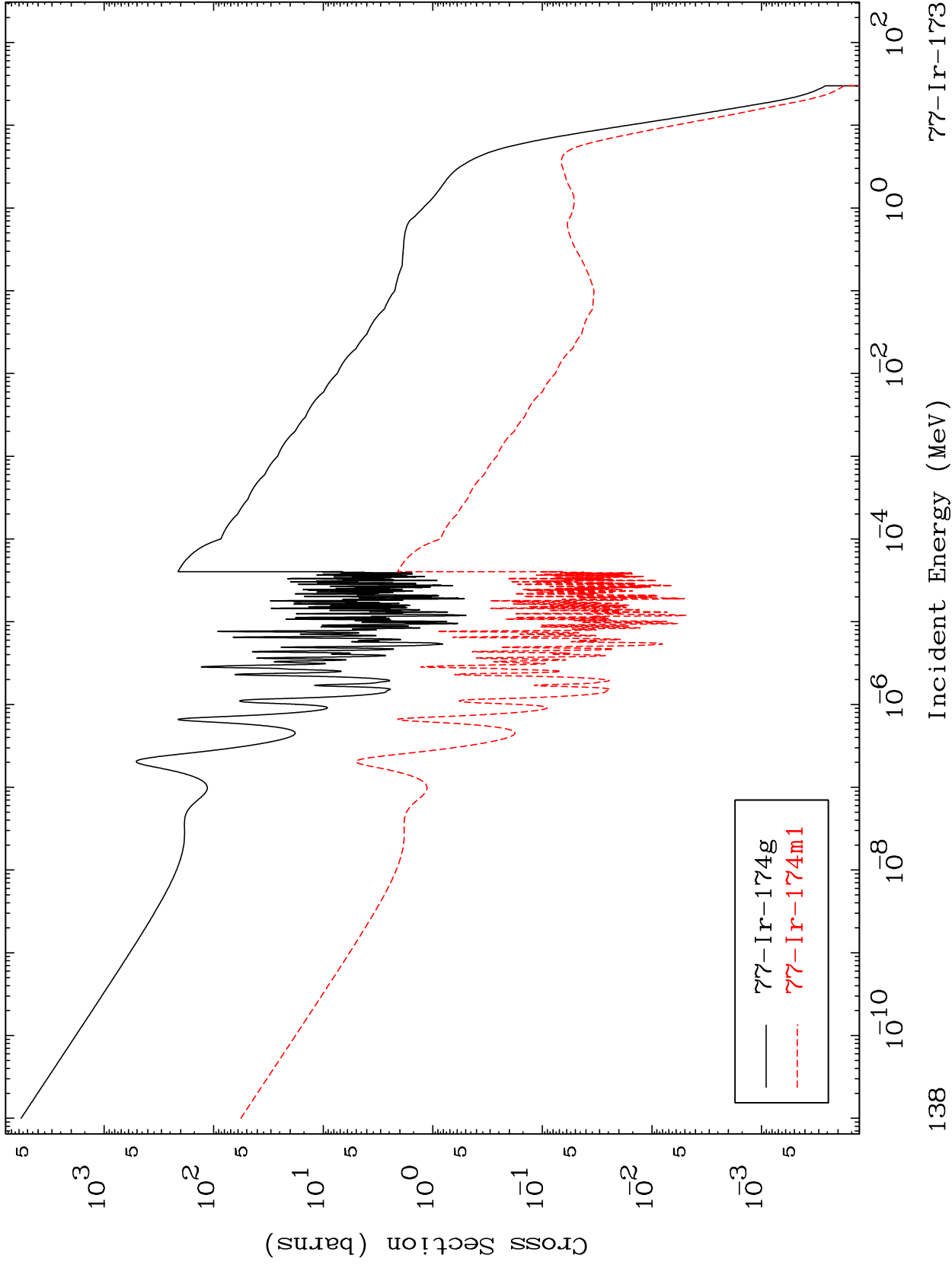
Incident Energy (MeV)

<sup>77</sup>Ir-173

MAT 7671

<sup>77</sup>Ir-173

<sup>(n,γ)</sup>  
Radionuclide Production Cross Section

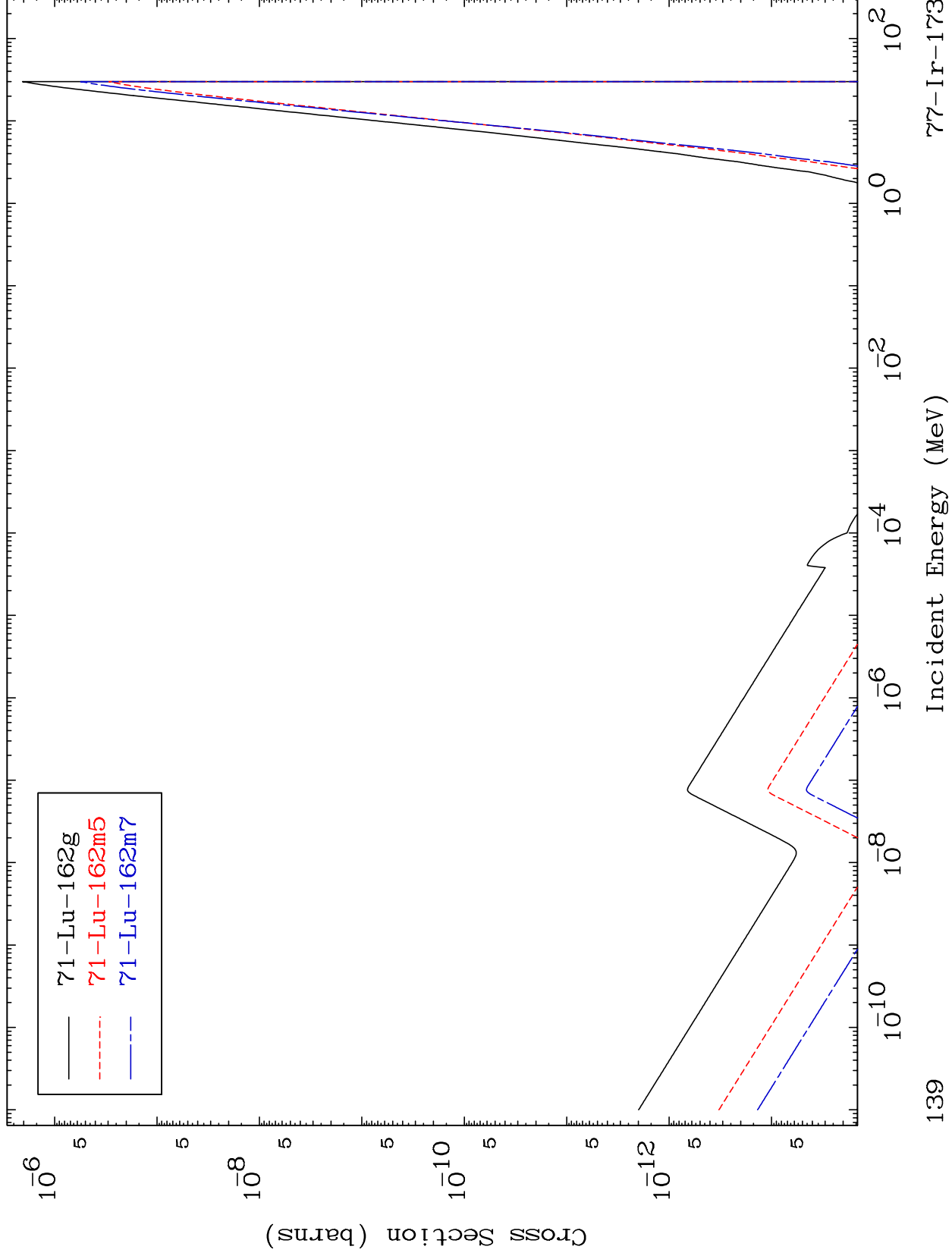


MAT 7671

(n,3 $\alpha$ )

<sup>77</sup>Ir-173

Radionuclide Production Cross Section

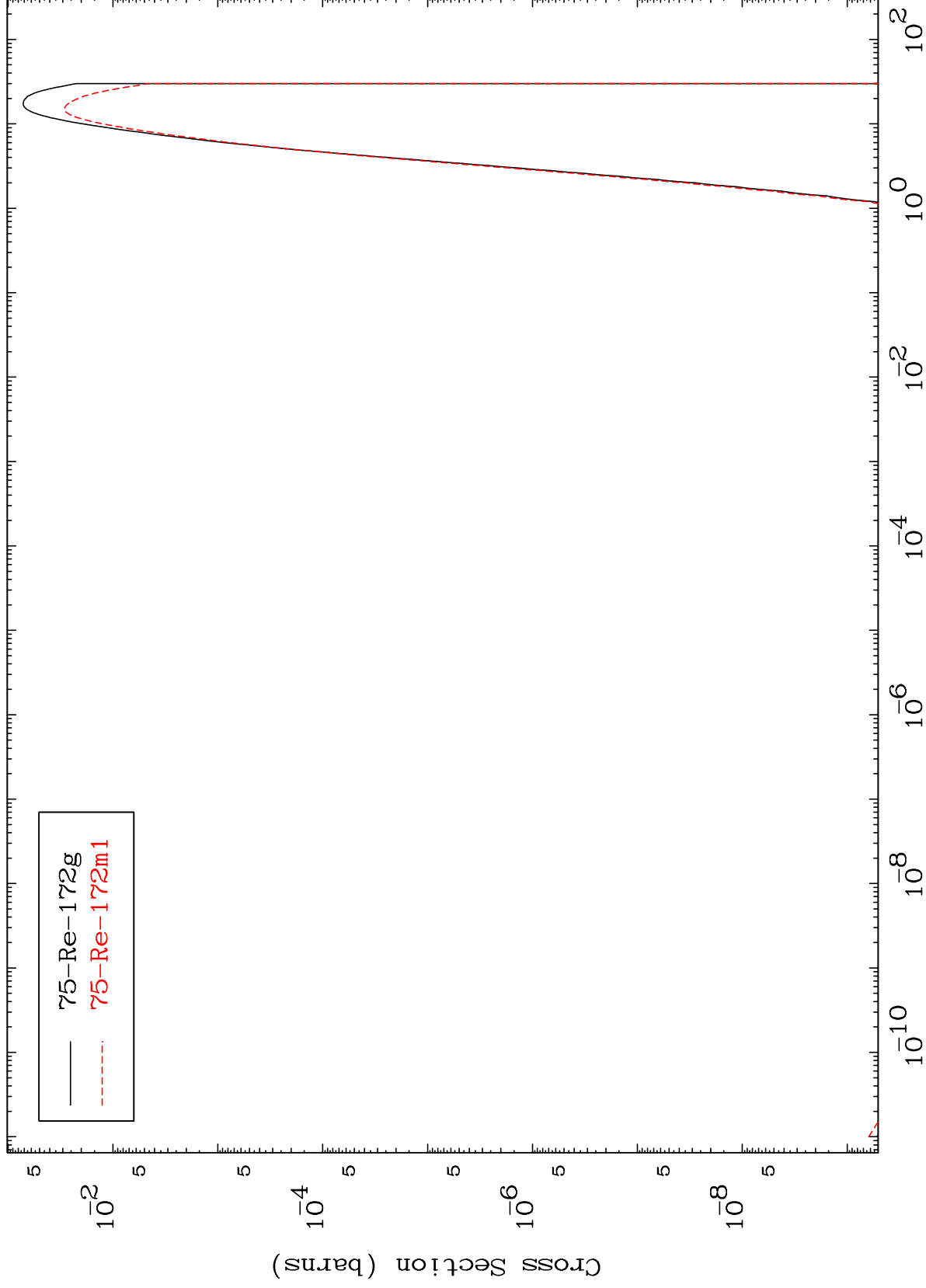


MAT 7671

(n,2p)

<sup>77</sup>Ir-173

Radionuclide Production Cross Section



140

Incident Energy (MeV)

<sup>77</sup>Ir-173