

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

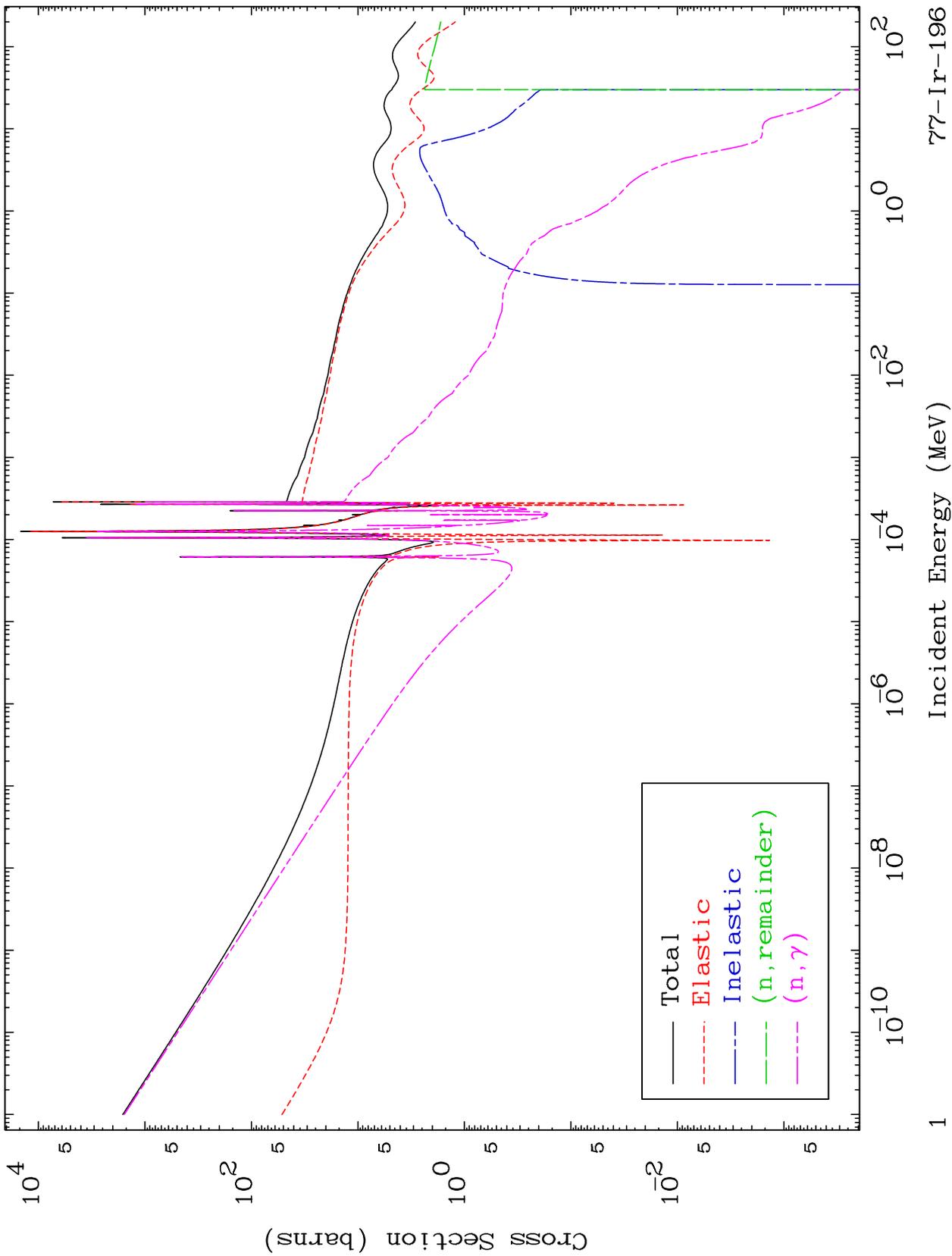
Press Mouse Button to Start

MAT 7740

Major

293 Kelvin Cross Sections

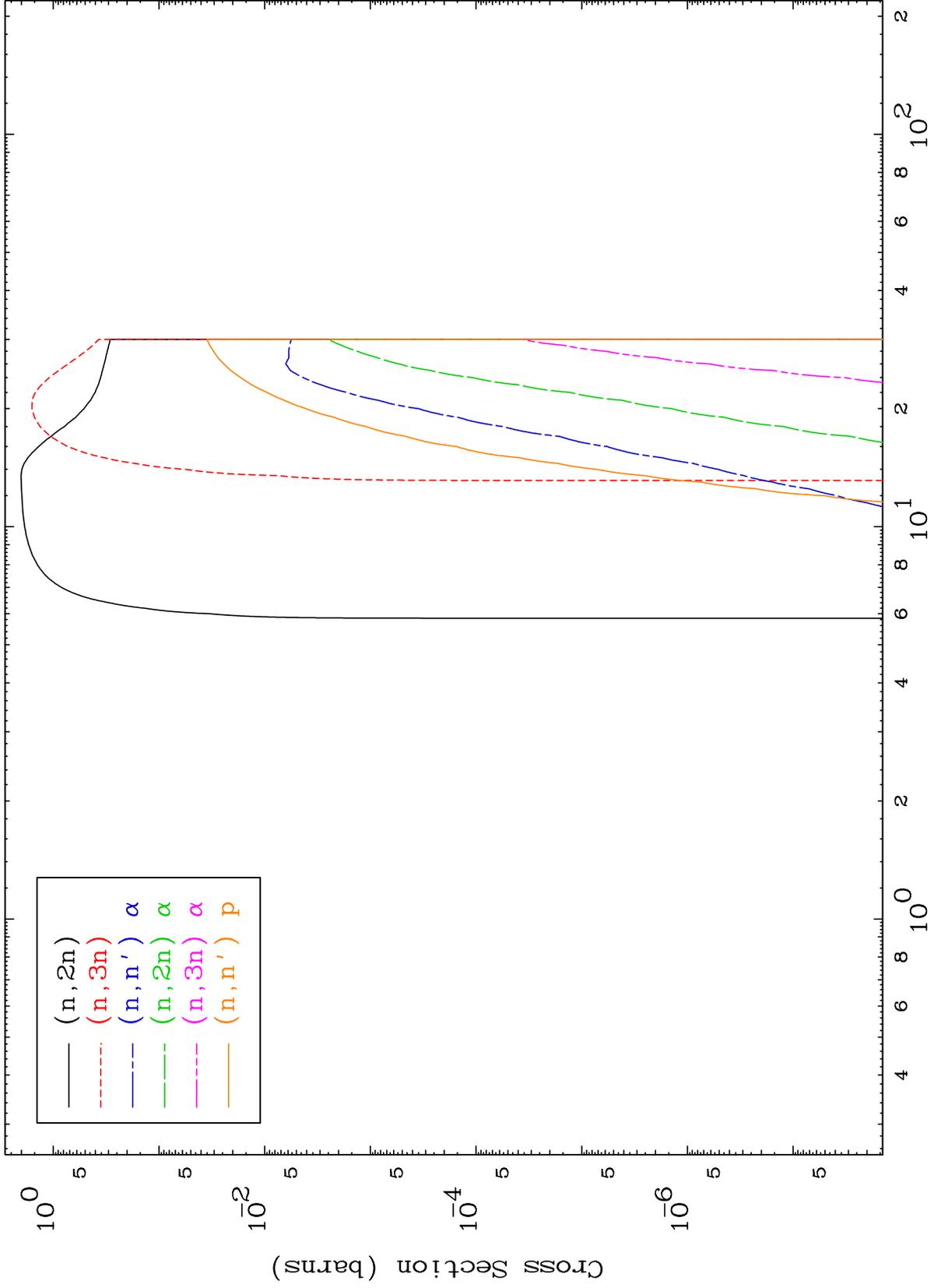
77-Ir-196



MAT 7740

Neutron Production  
293 Kelvin Cross Sections

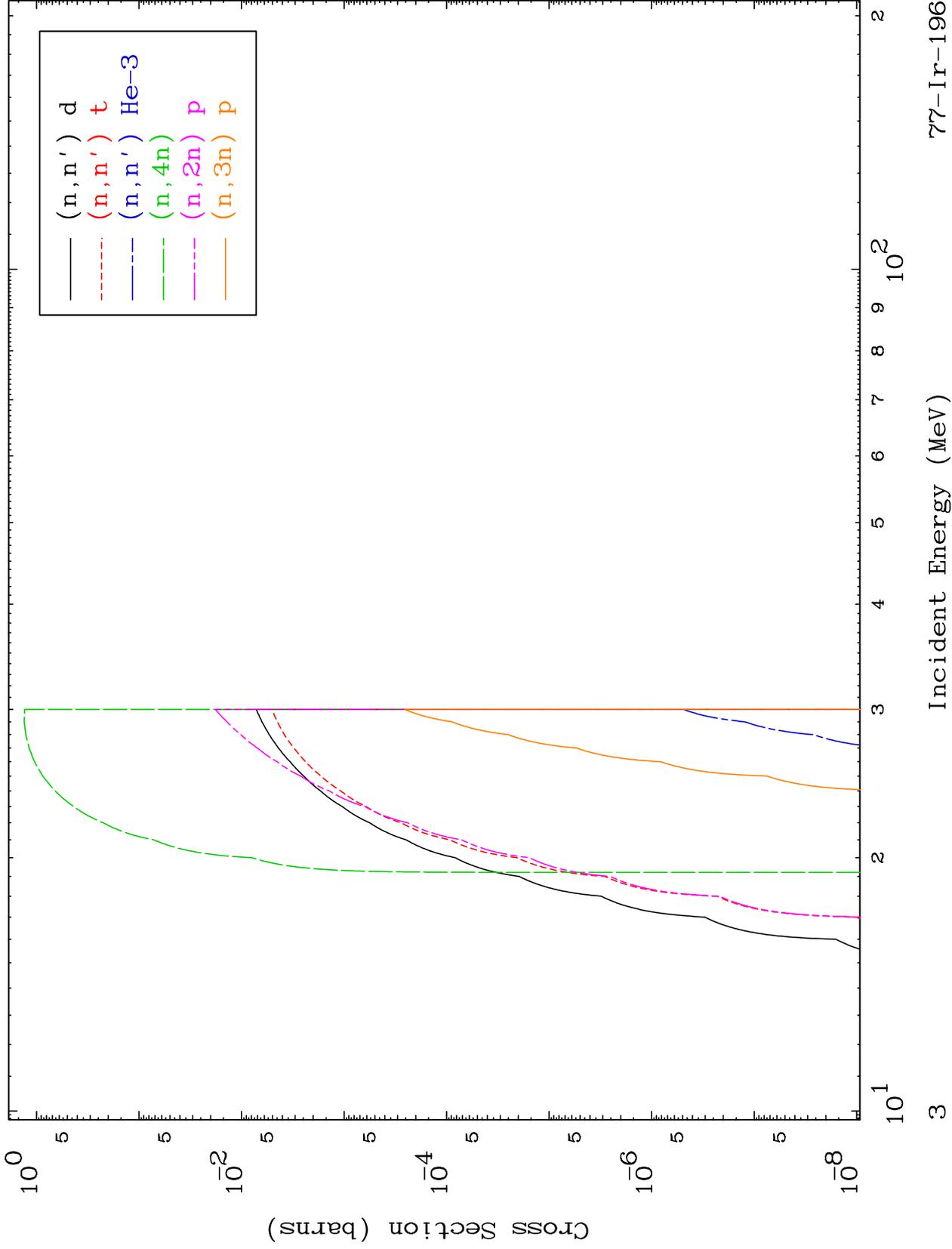
77-Ir-196



MAT 7740

Neutron Production  
293 Kelvin Cross Sections

77-Ir-196



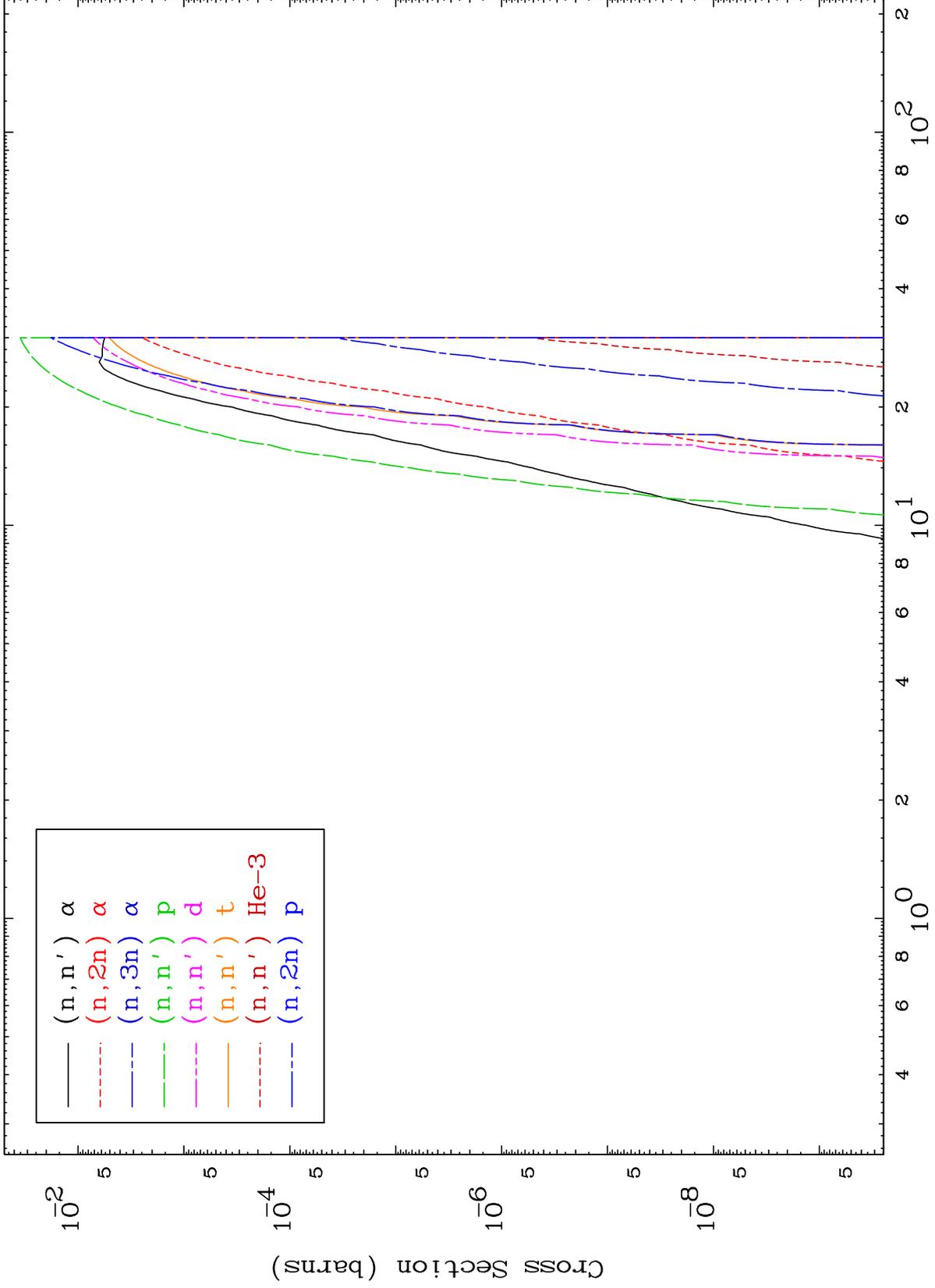
77-Ir-196

Incident Energy (MeV)

MAT 7740

293 Kelvin Charged Particle Cross Sections

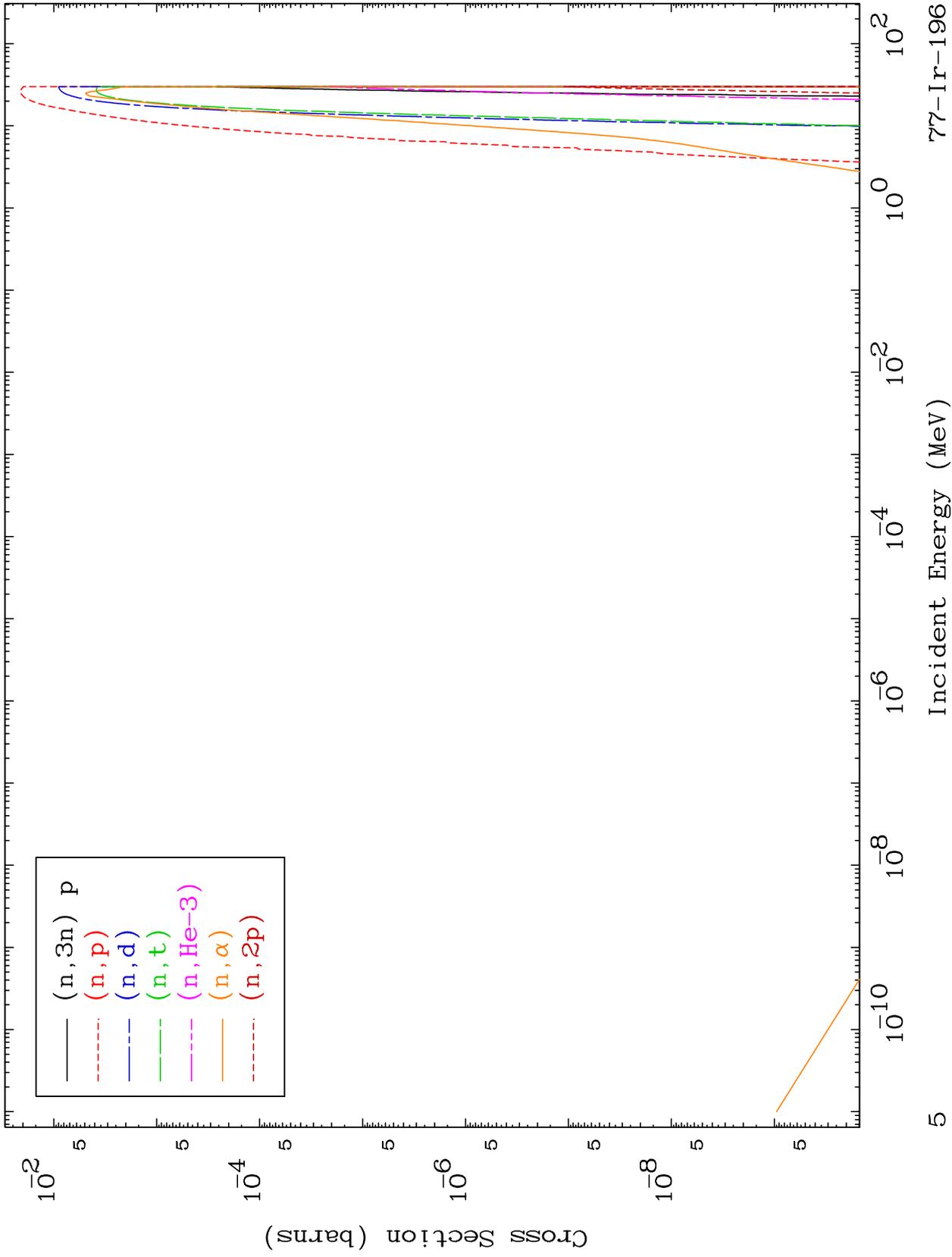
77-Ir-196



MAT 7740

Charged Particle  
293 Kelvin Cross Sections

77-Ir-196



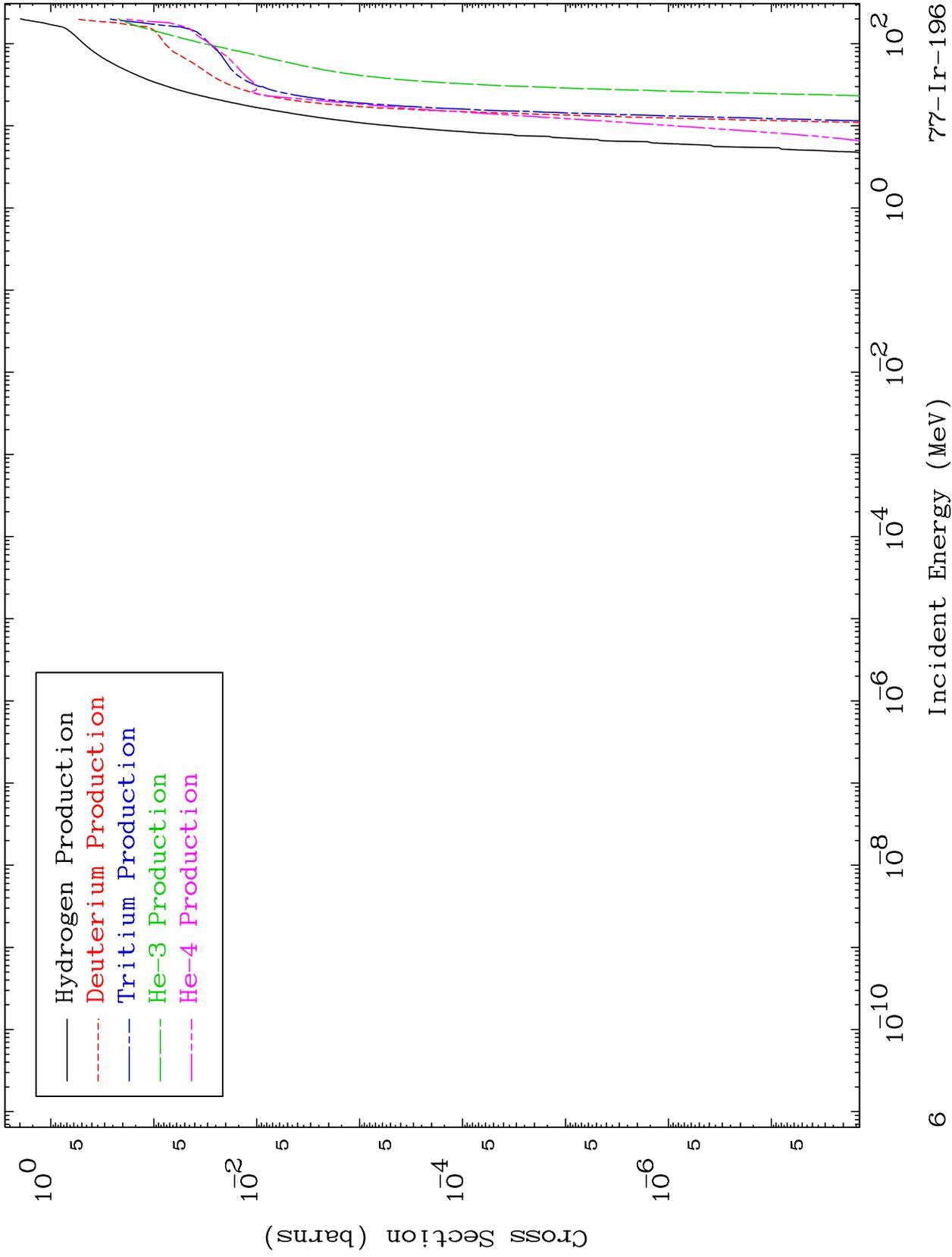
5

77-Ir-196

MAT 7740

Particle Production  
293 Kelvin Cross Sections

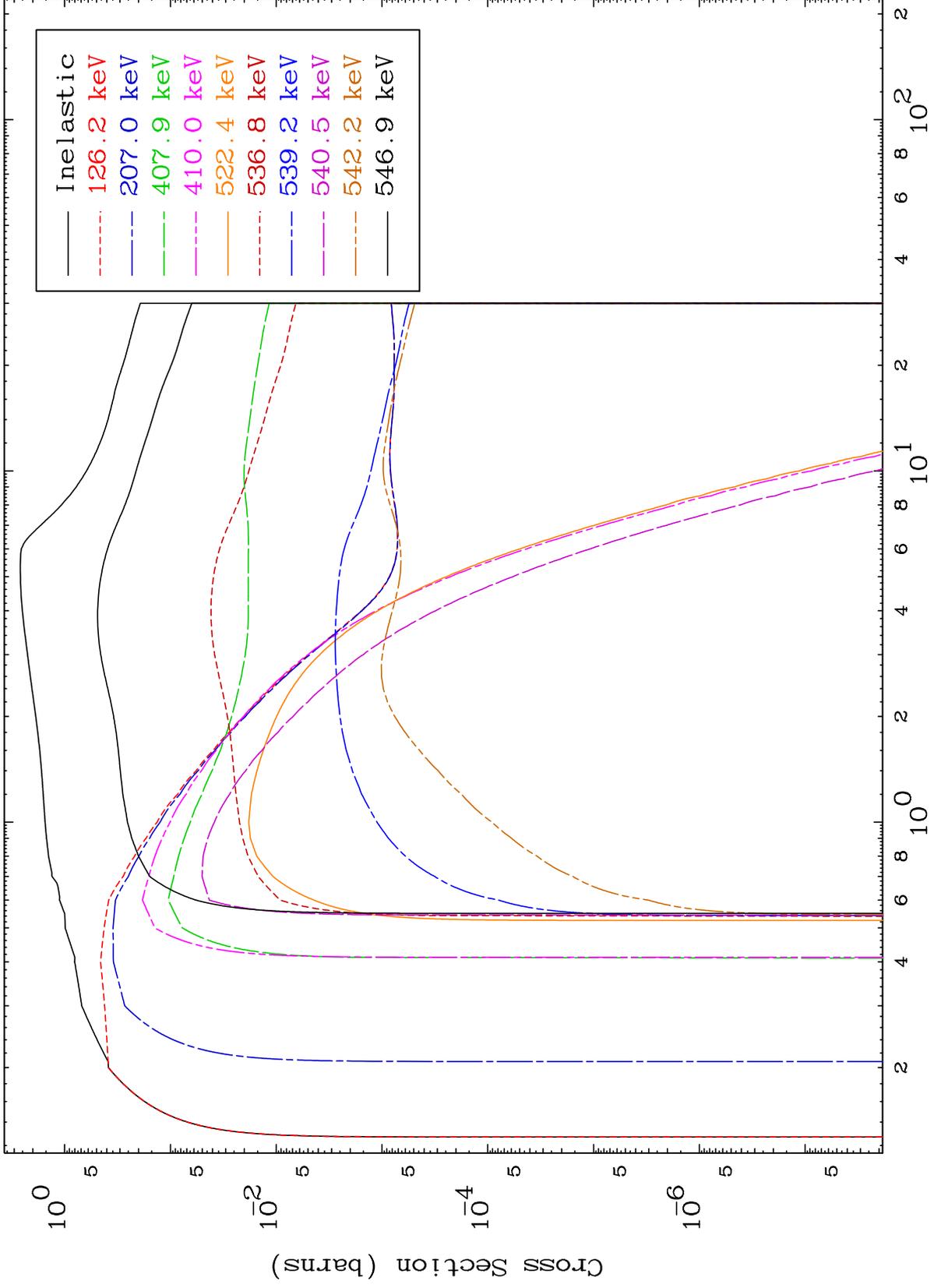
77-Ir-196



MAT 7740

(n,n') Level  
293 Kelvin Cross Sections

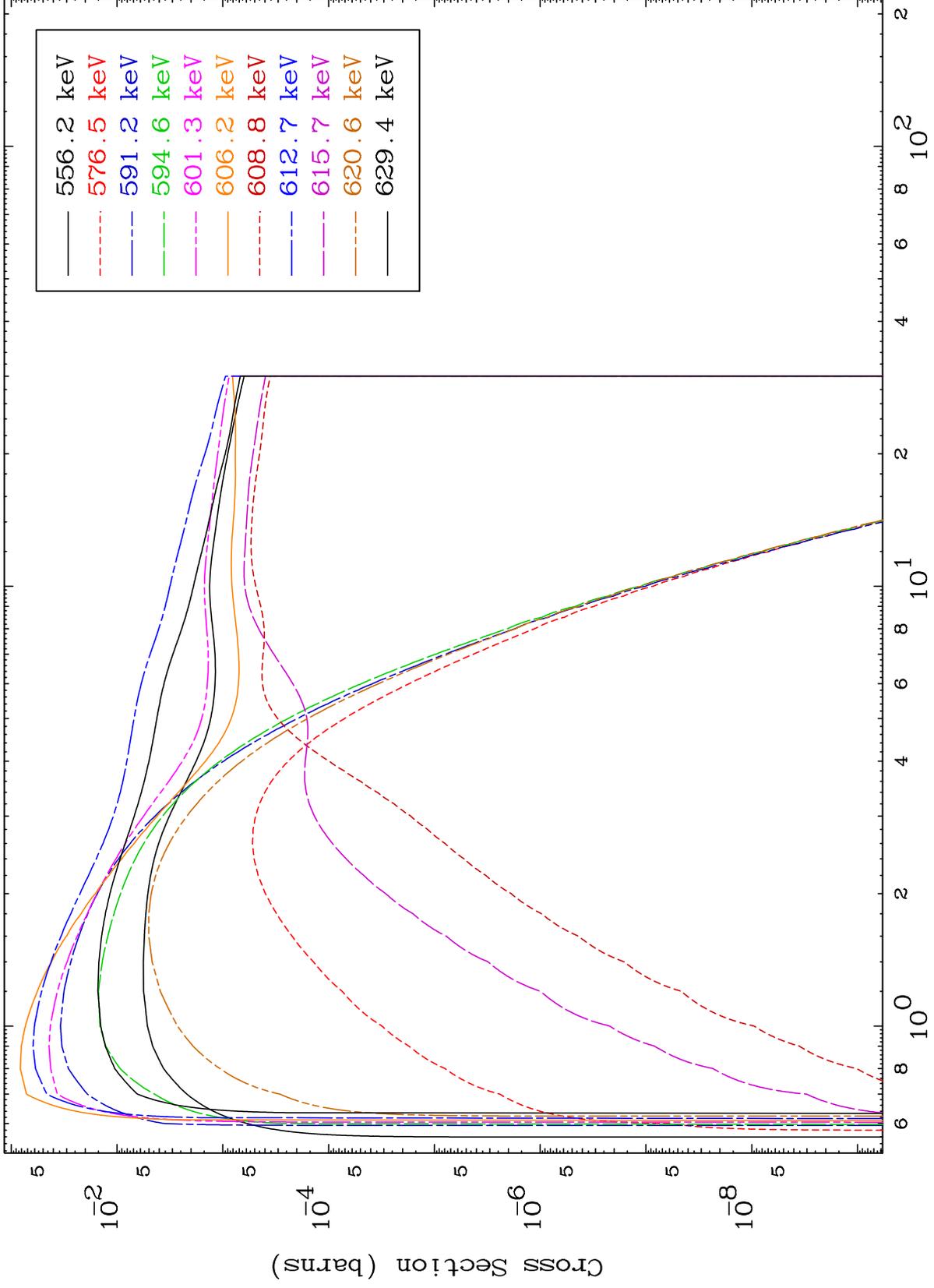
77-Ir-196



MAT 7740

(n,n') Level  
293 Kelvin Cross Sections

77-Ir-196



8

Incident Energy (MeV)

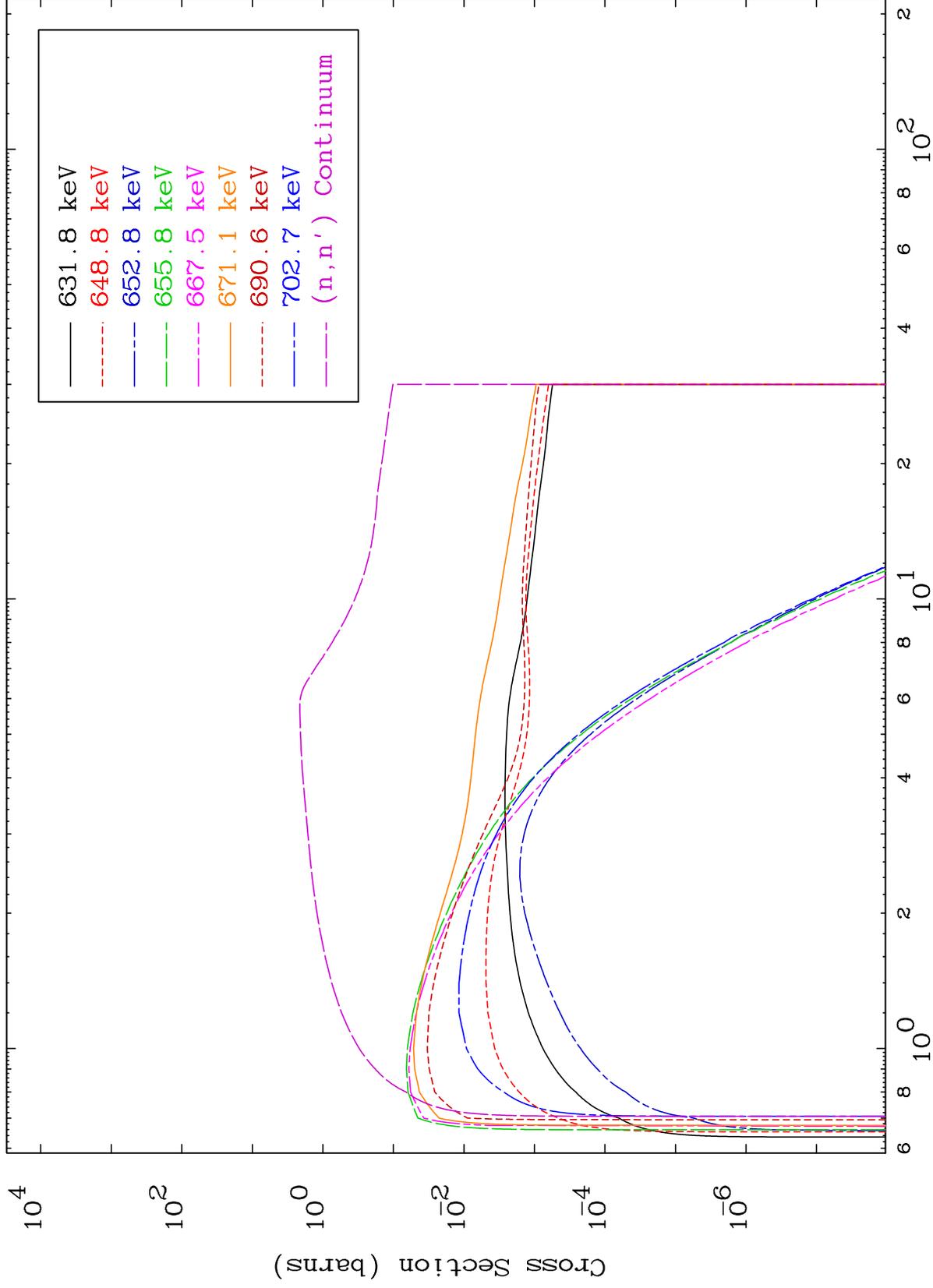
77-Ir-196

MAT 7740

(n,n') Level

77-Ir-196

293 Kelvin Cross Sections



9

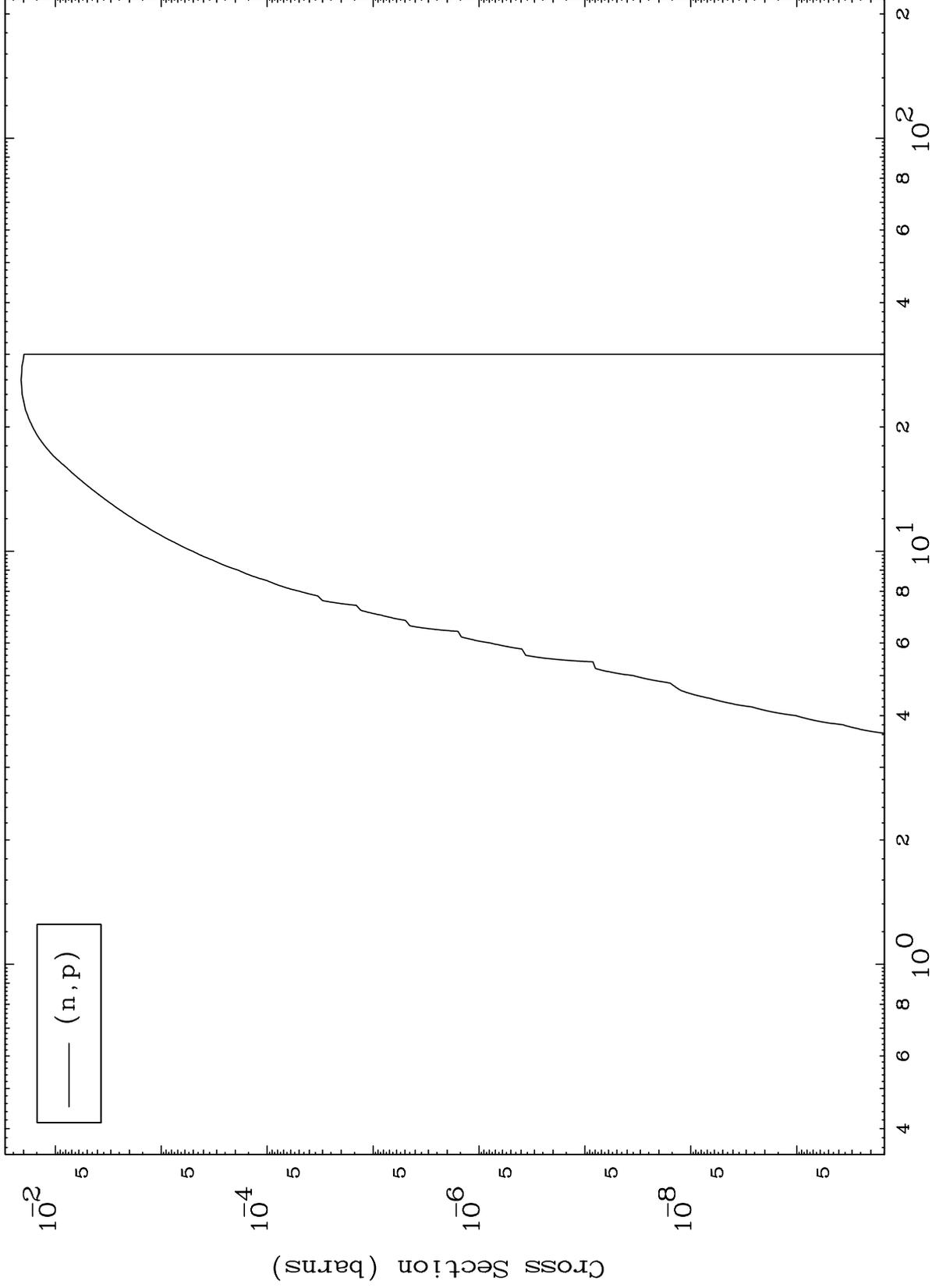
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,p) Levels  
293 Kelvin Cross Sections

77-Ir-196



10

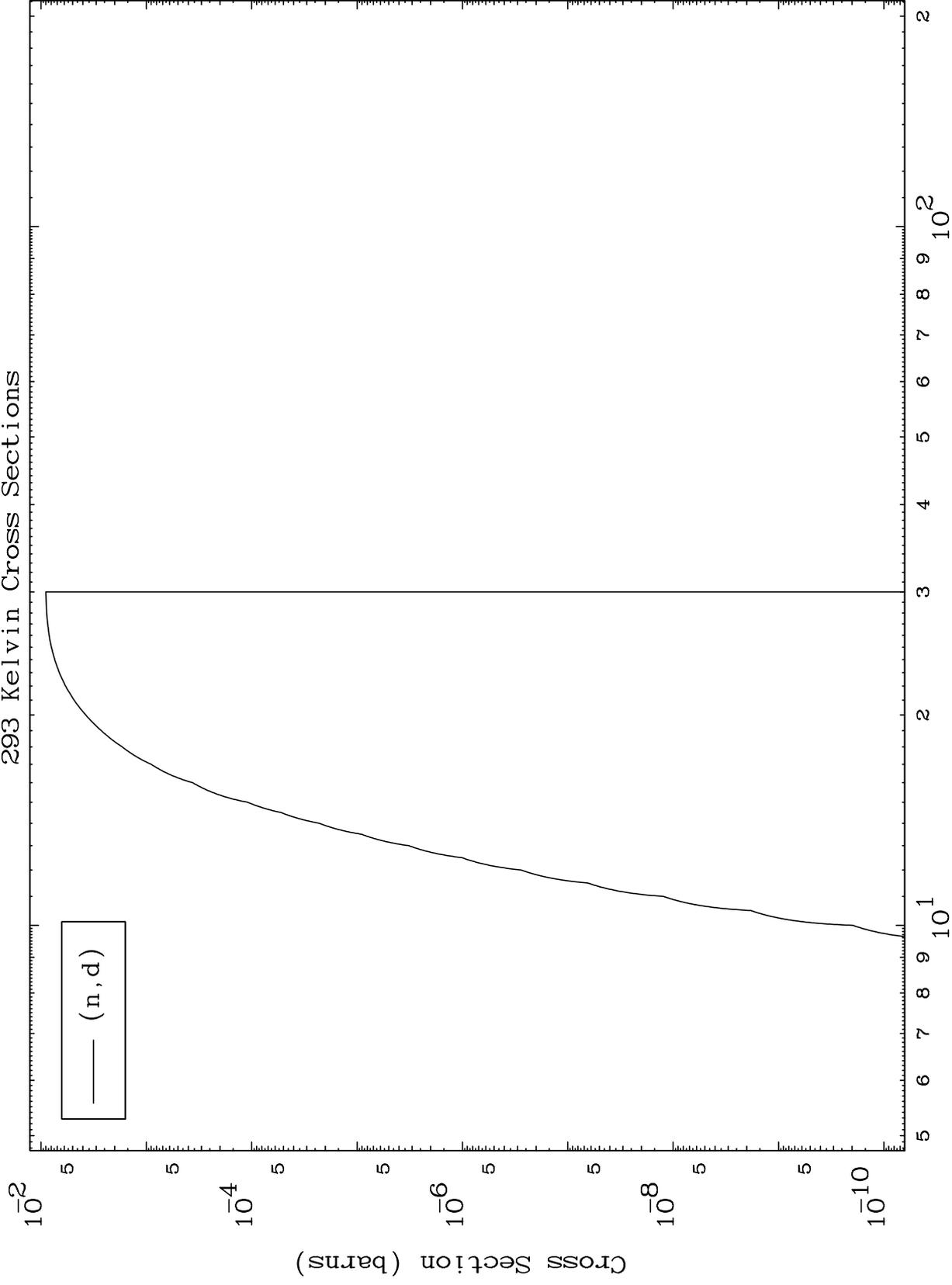
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,d) Levels  
293 Kelvin Cross Sections

77-Ir-196



11

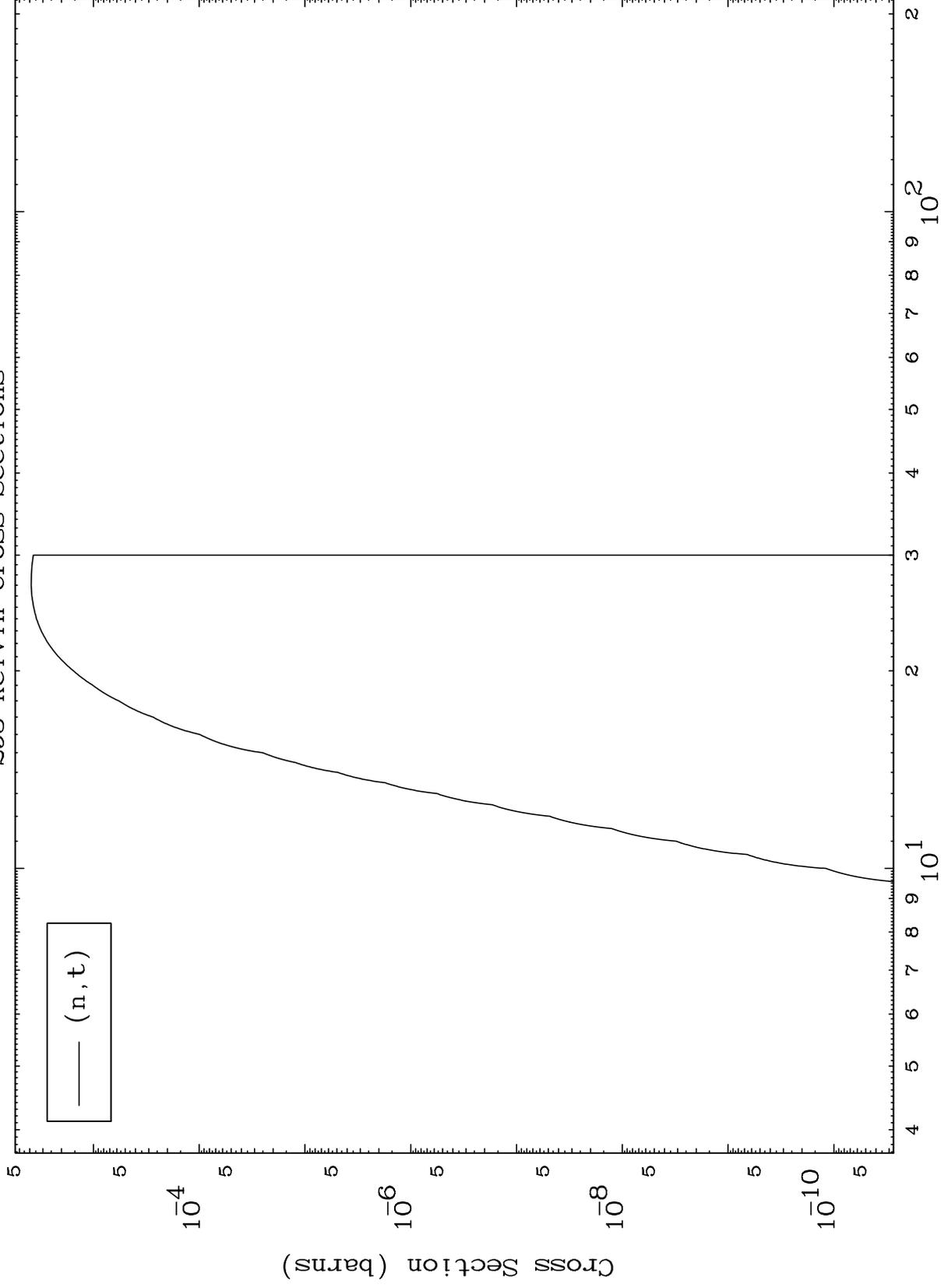
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,t) Levels  
293 Kelvin Cross Sections

77-Ir-196



12

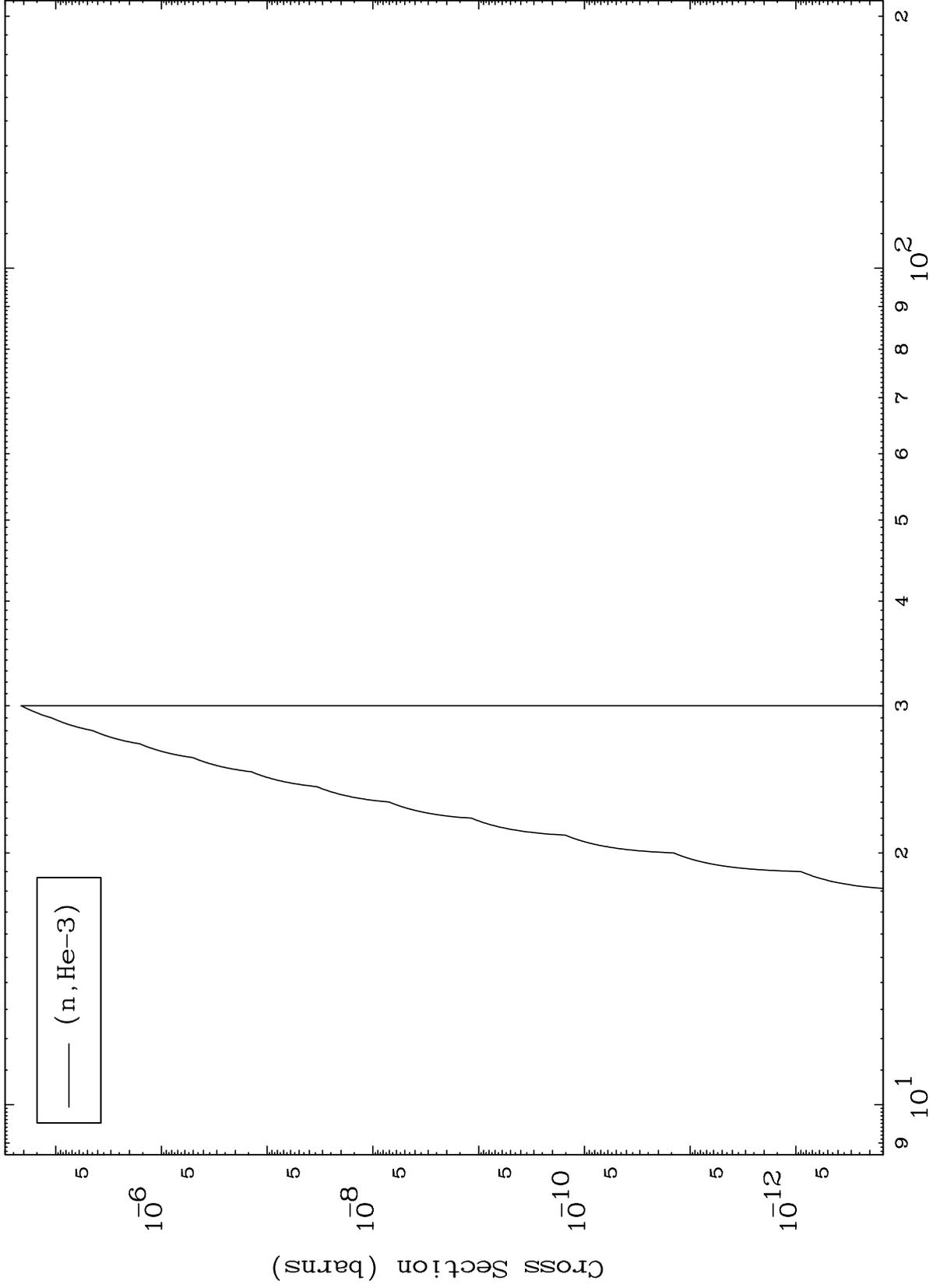
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,He3) Levels  
293 Kelvin Cross Sections

77-Ir-196



13

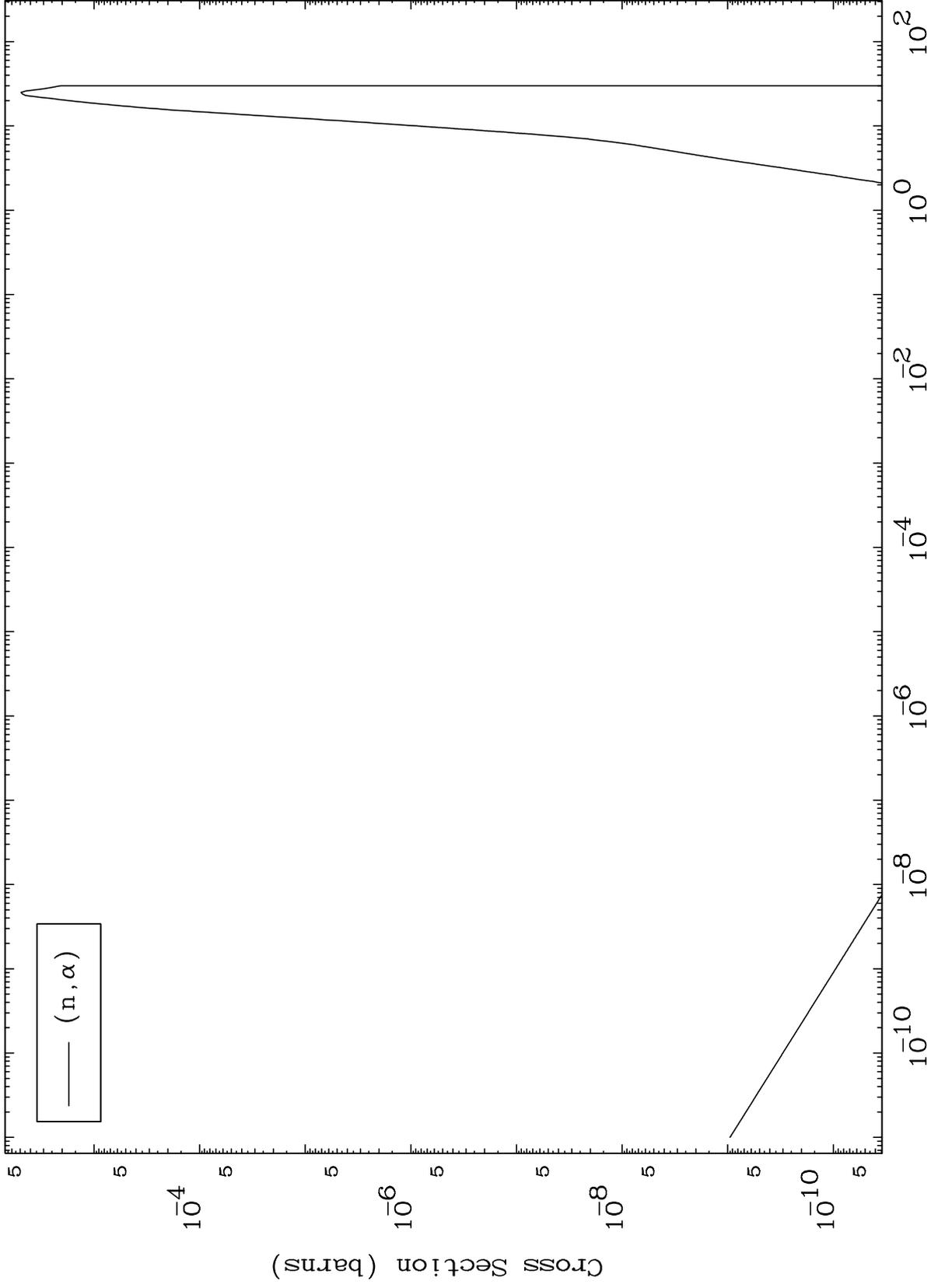
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

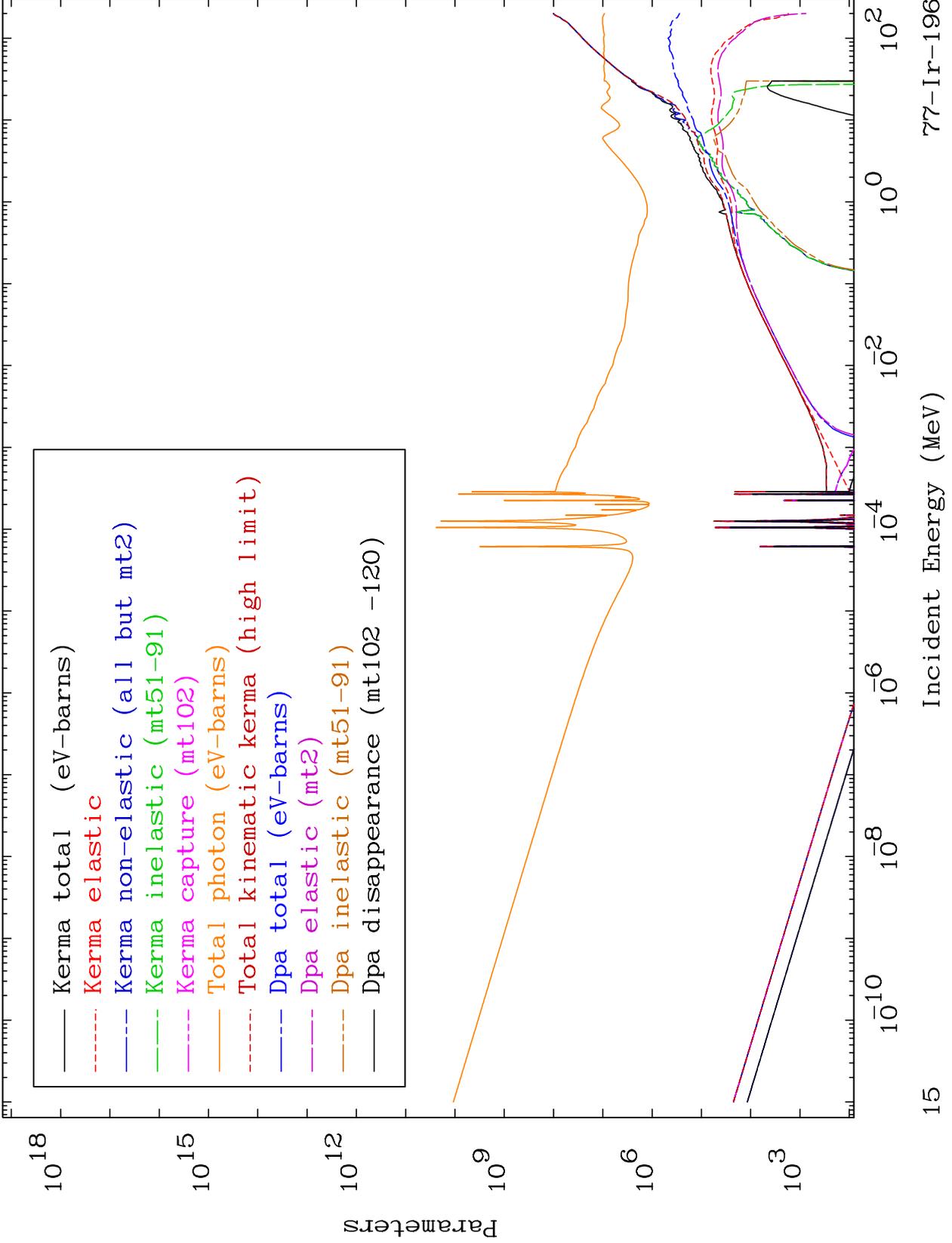
77-Ir-196

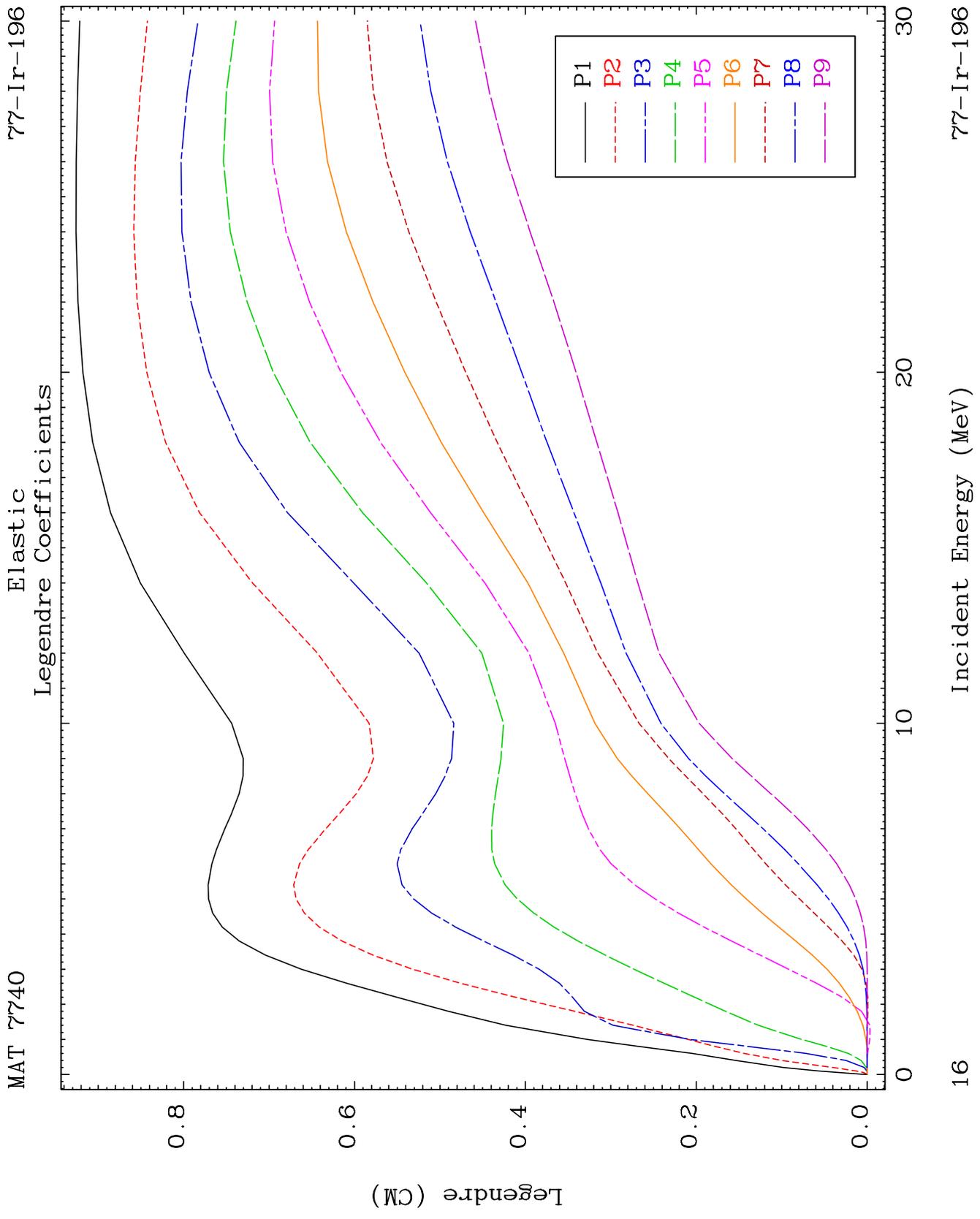


14

Incident Energy (MeV)

77-Ir-196

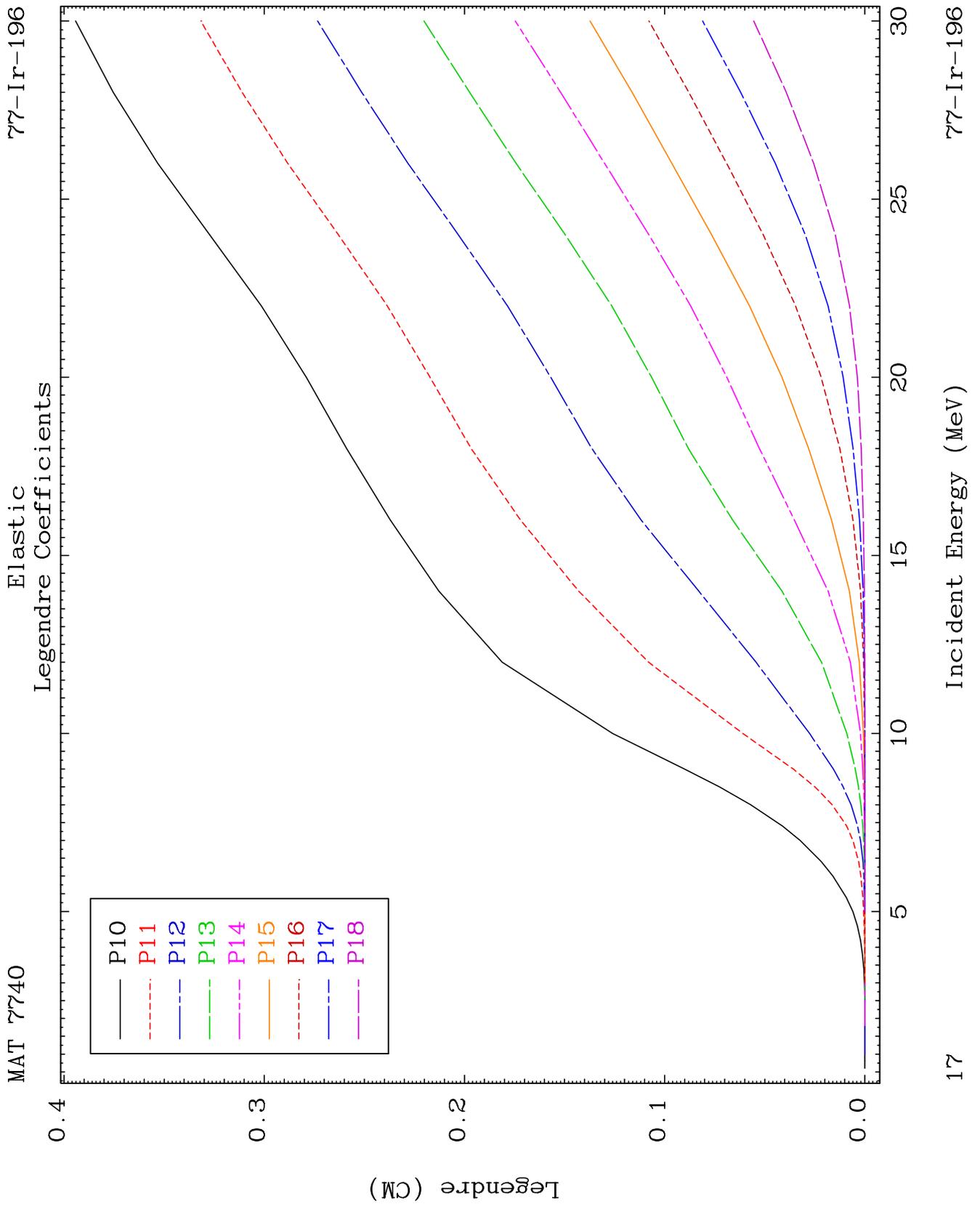




77-Ir-196

Incident Energy (MeV)

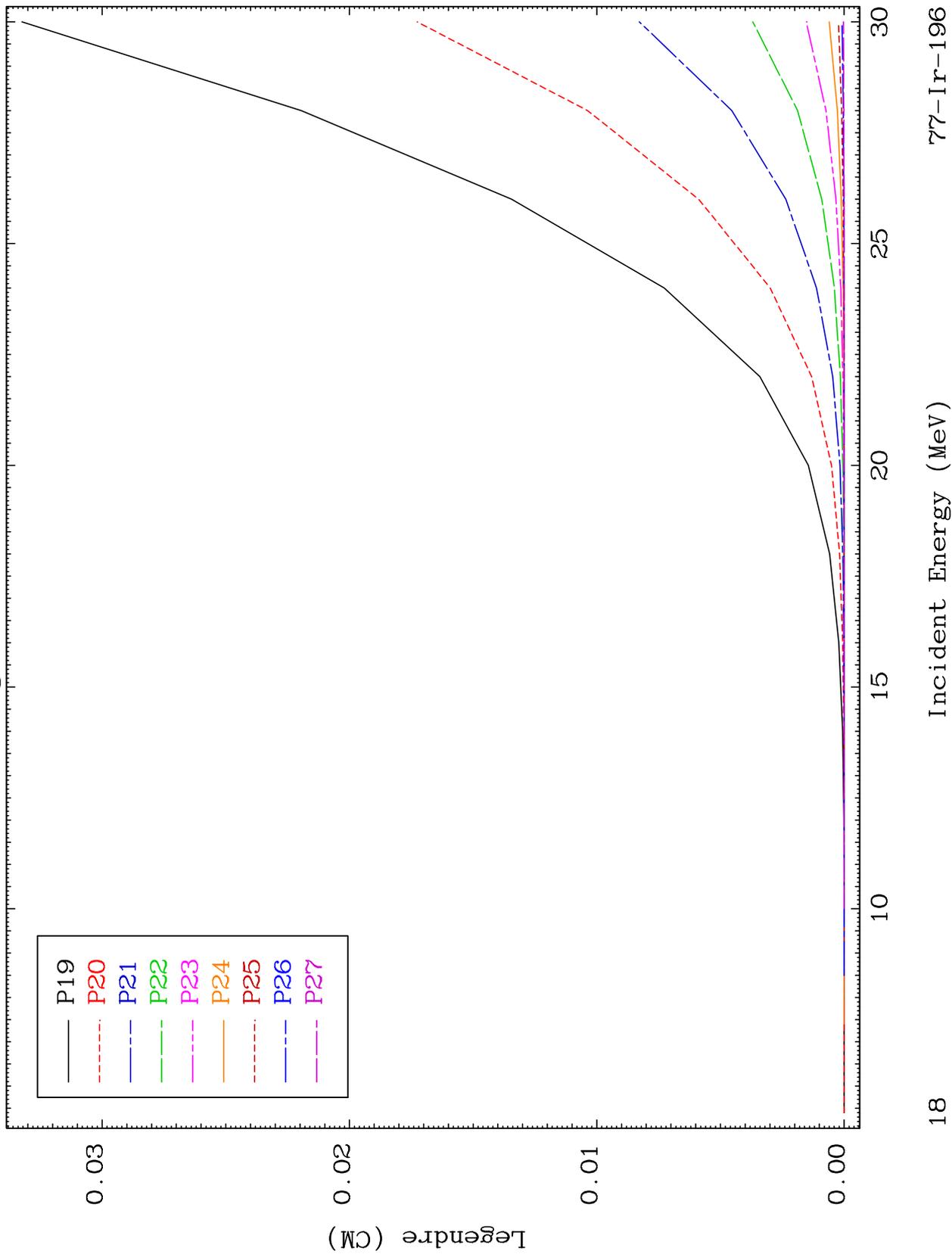
16



MAT 7740

### Elastic Legendre Coefficients

77-Ir-196



18

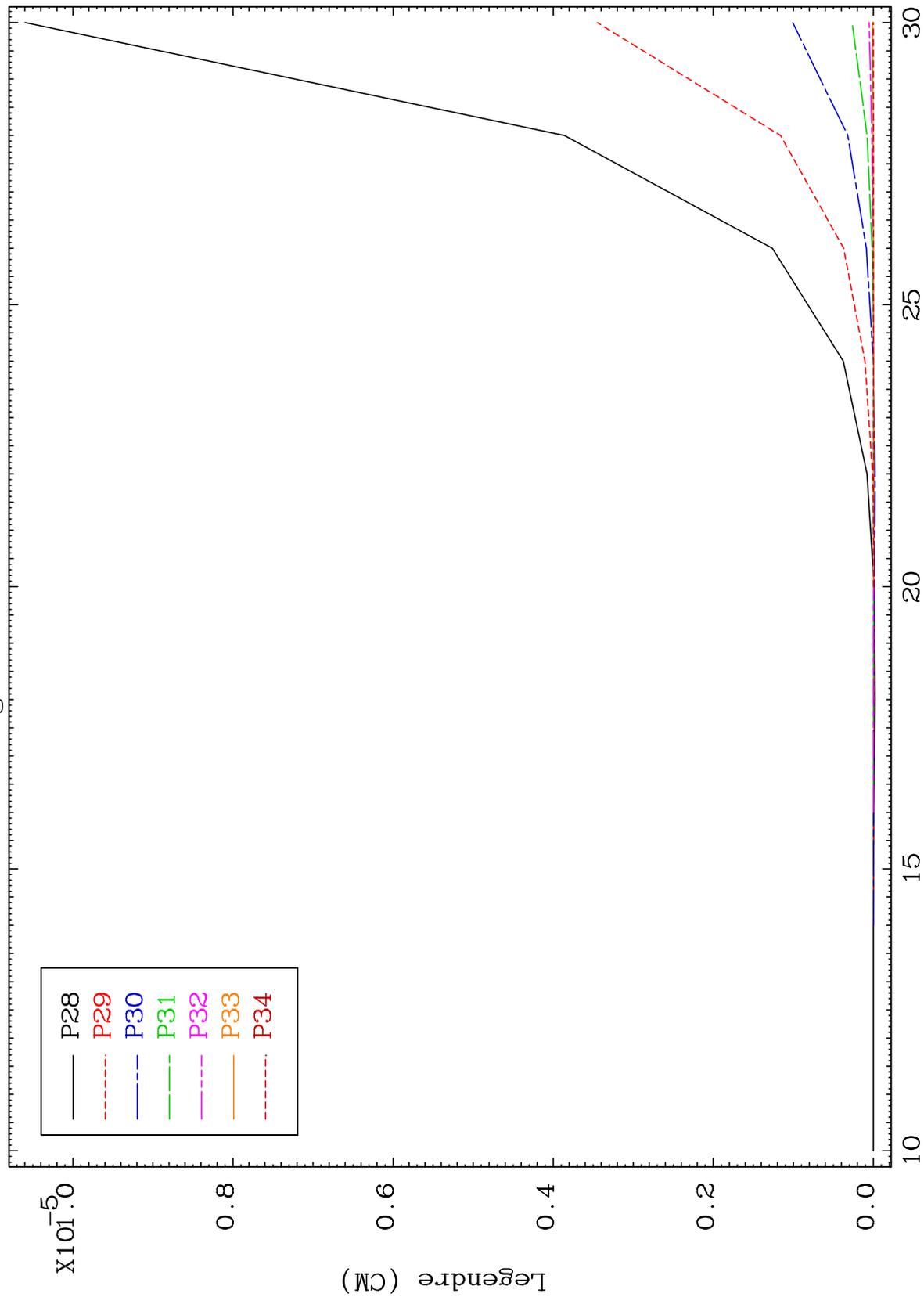
Incident Energy (MeV)

77-Ir-196

MAT 7740

Elastic  
Legendre Coefficients

77-Ir-196



19

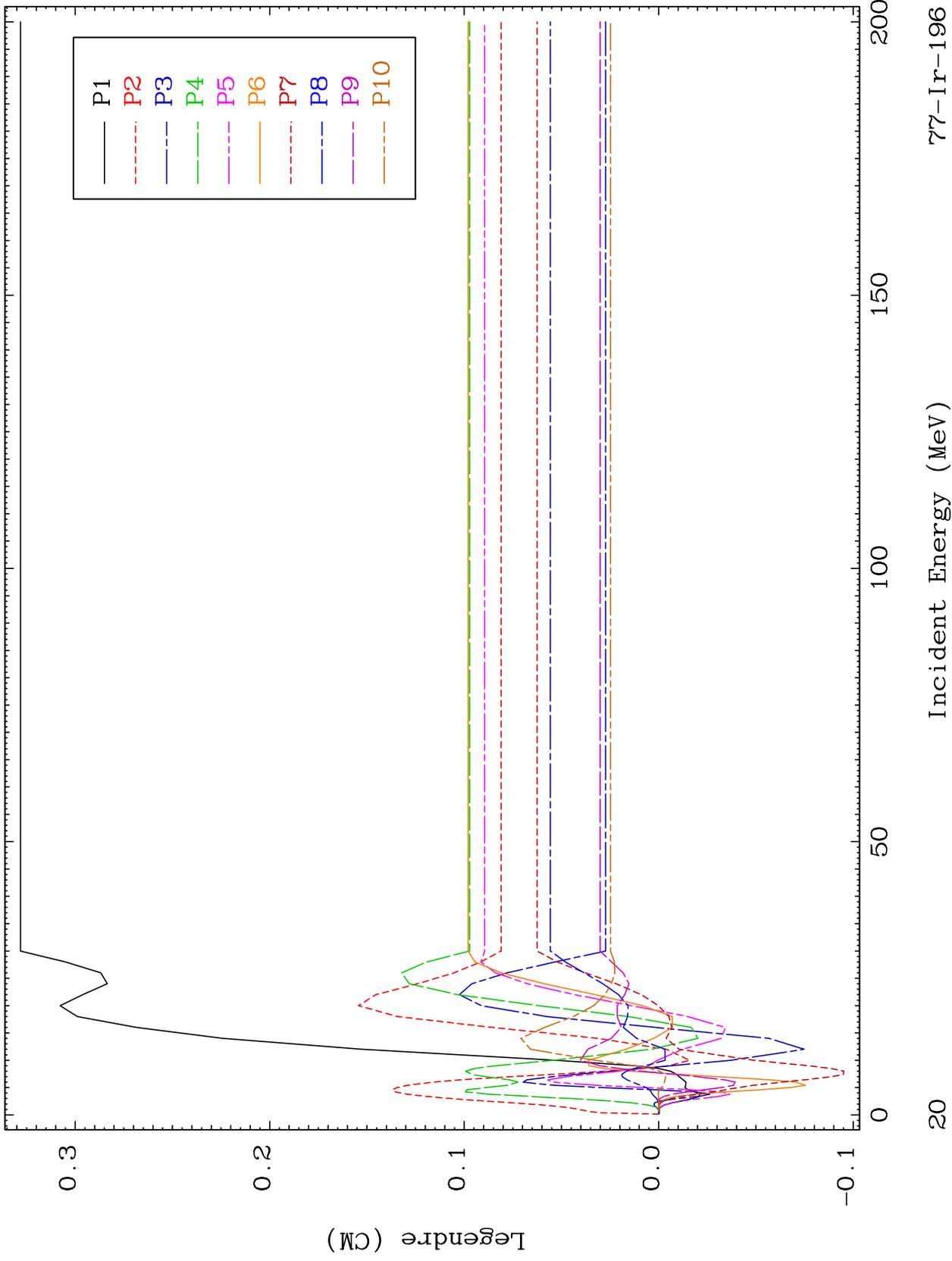
Incident Energy (MeV)

77-Ir-196

MAT 7740

126.2 keV (n,n') Level  
Legendre Coefficients

77-Ir-196

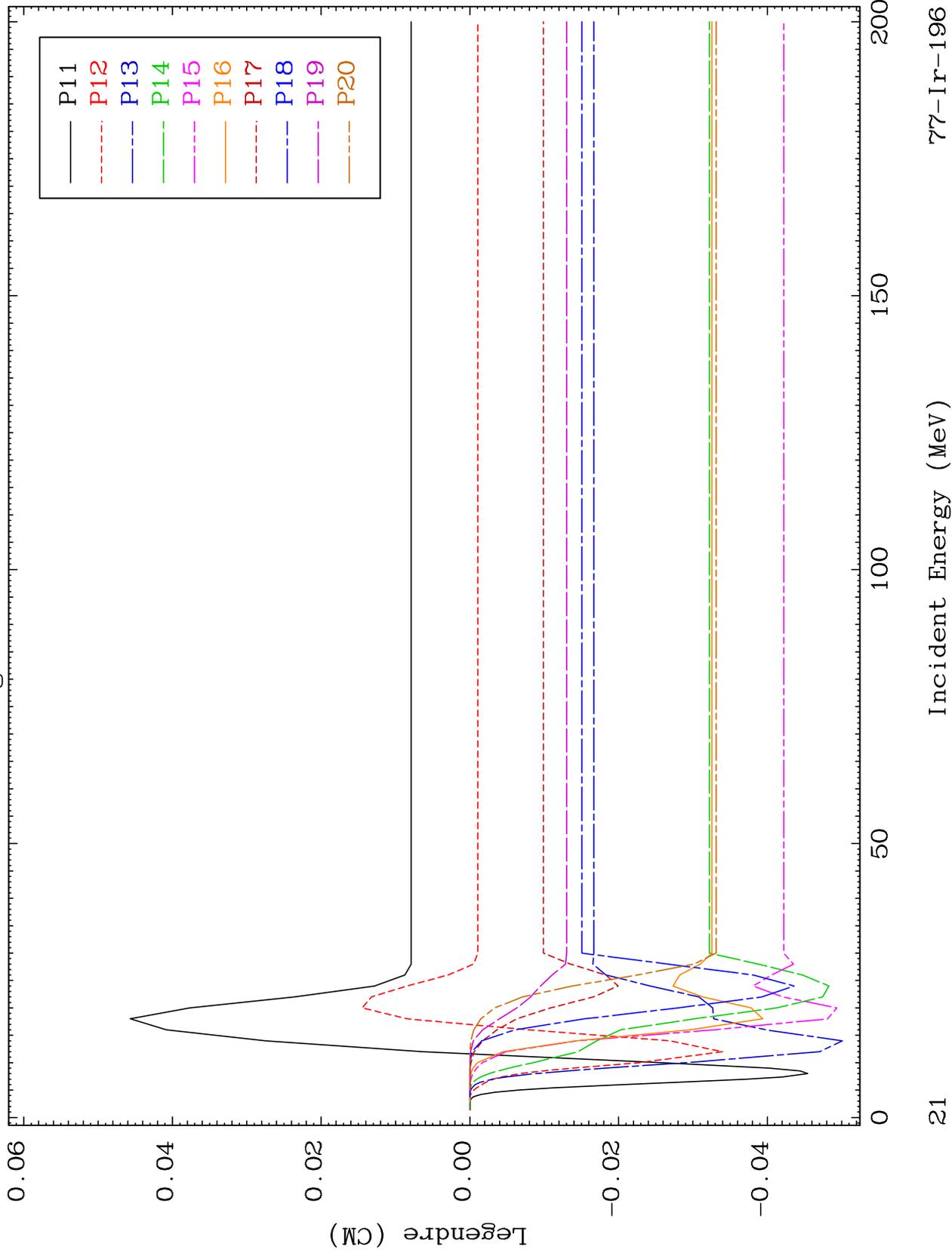


77-Ir-196

MAT 7740

126.2 keV (n,n') Level  
Legendre Coefficients

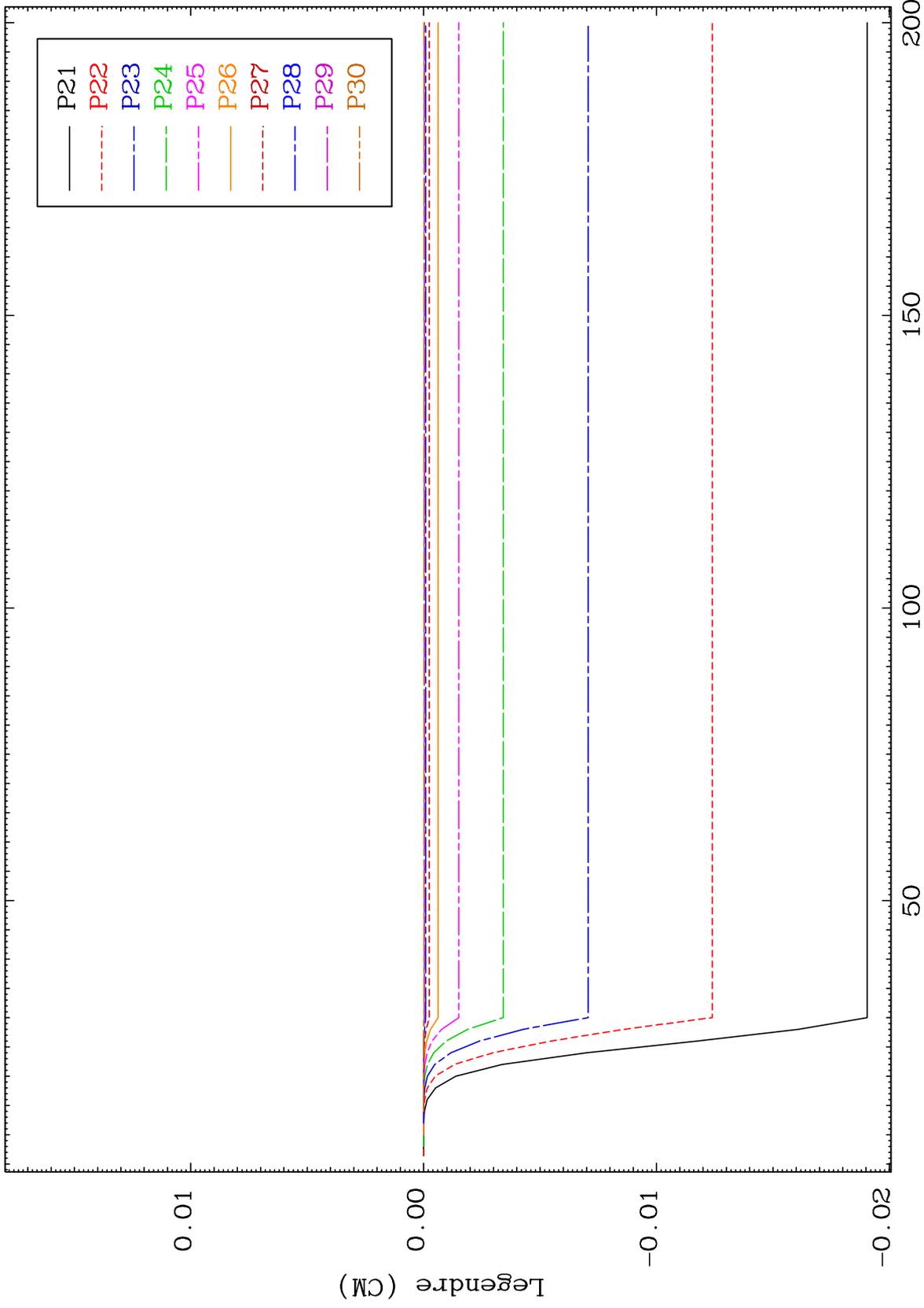
77-Ir-196

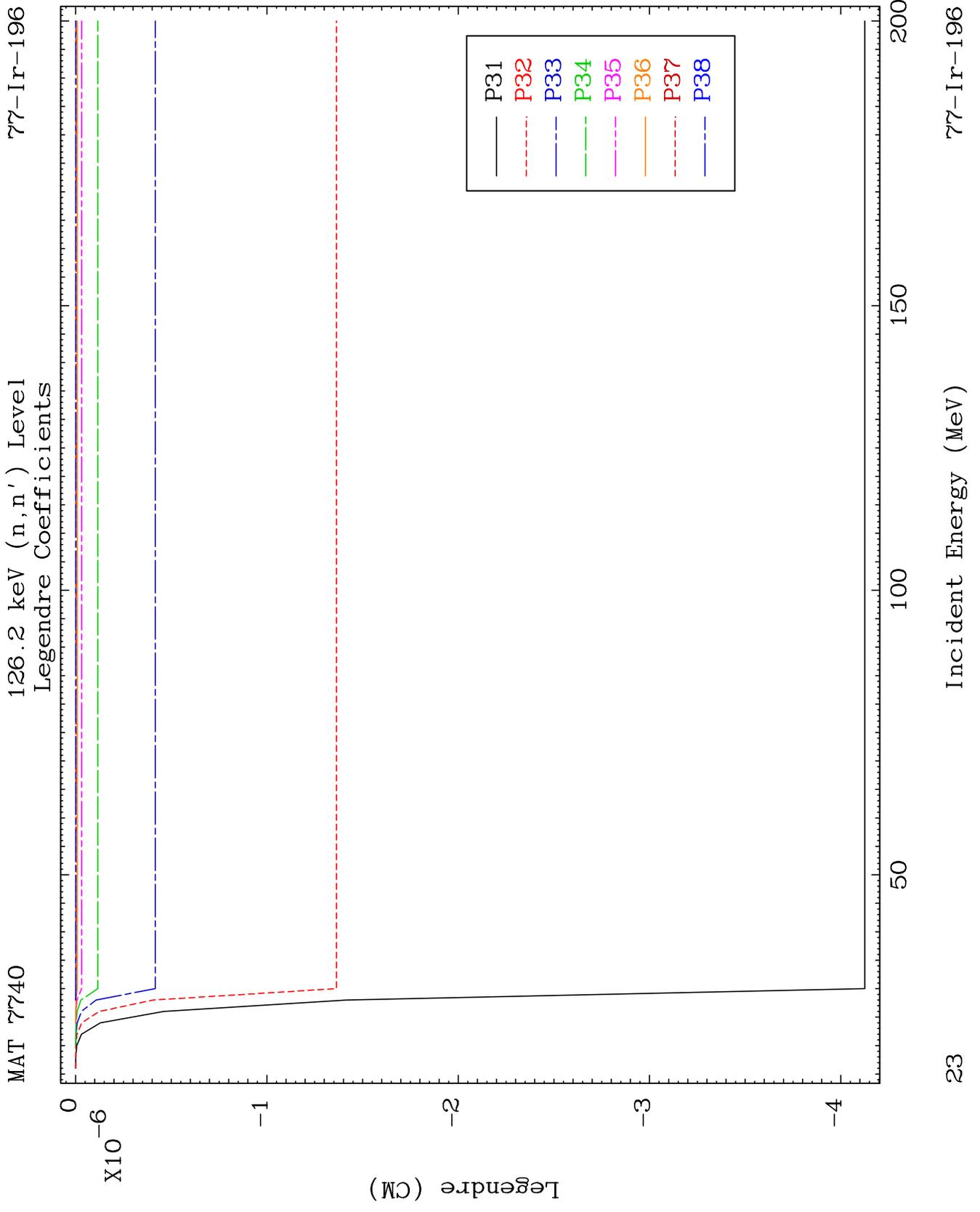


21

Incident Energy (MeV)

77-Ir-196

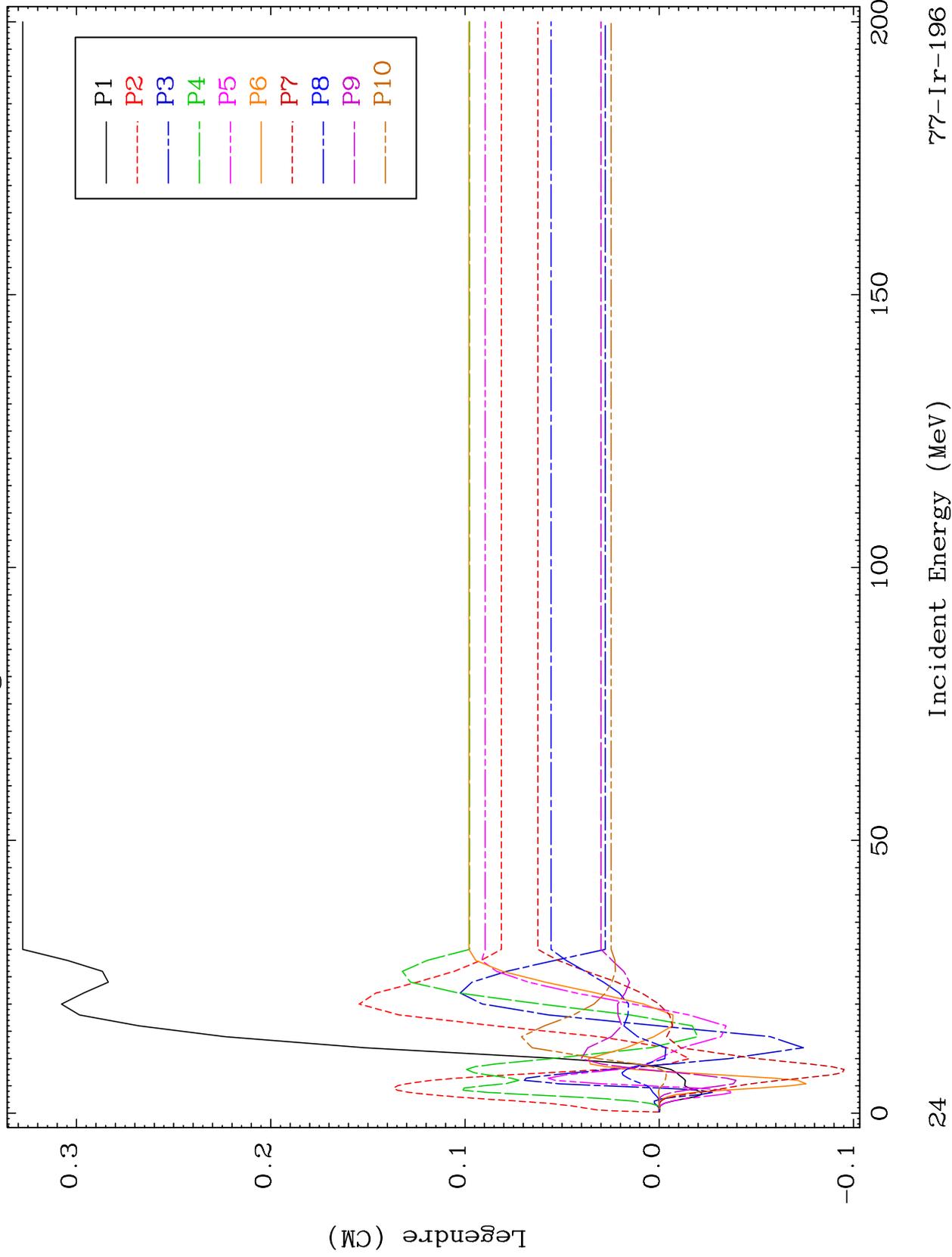




MAT 7740

207.0 keV (n,n') Level  
Legendre Coefficients

77-Ir-196

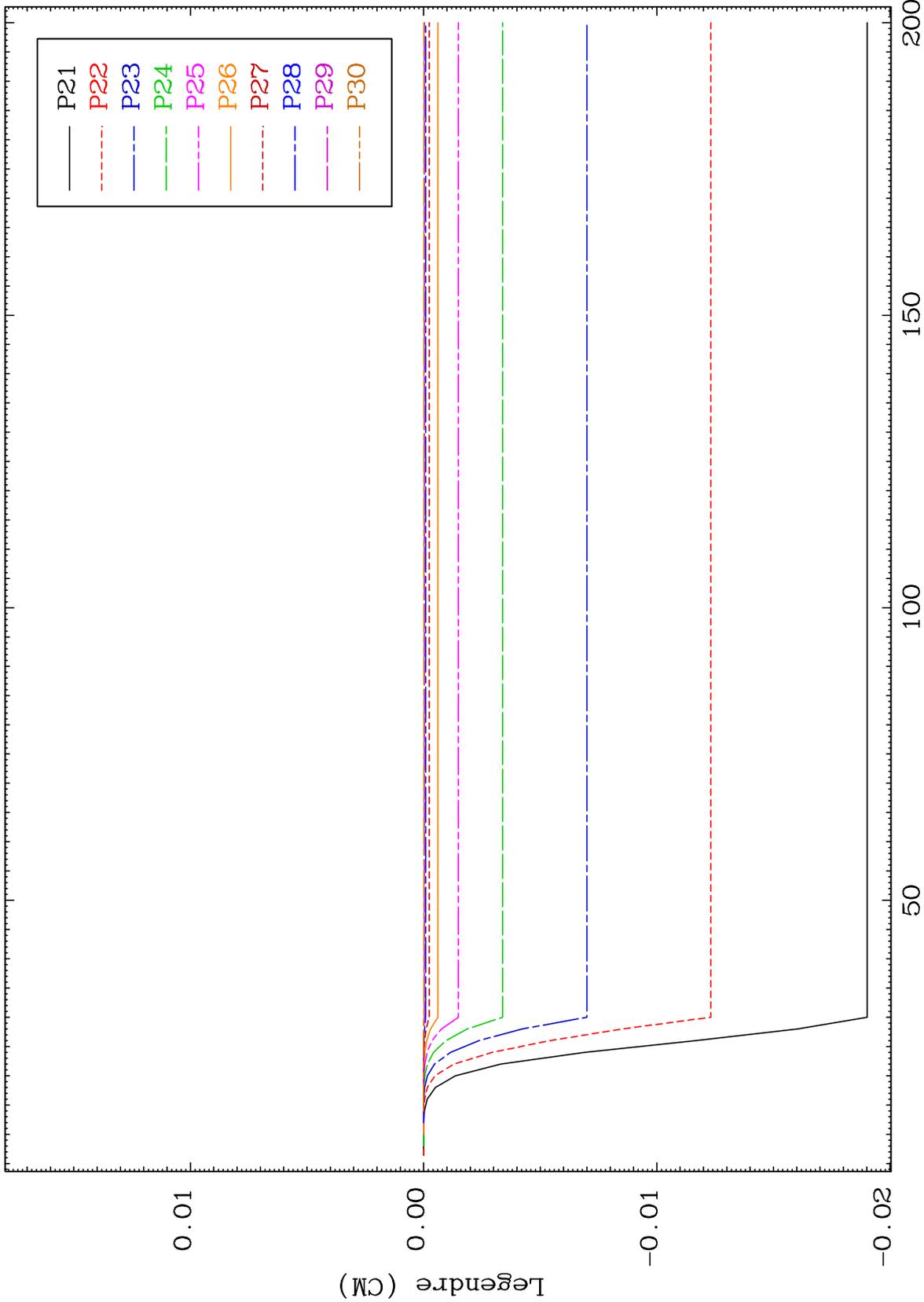


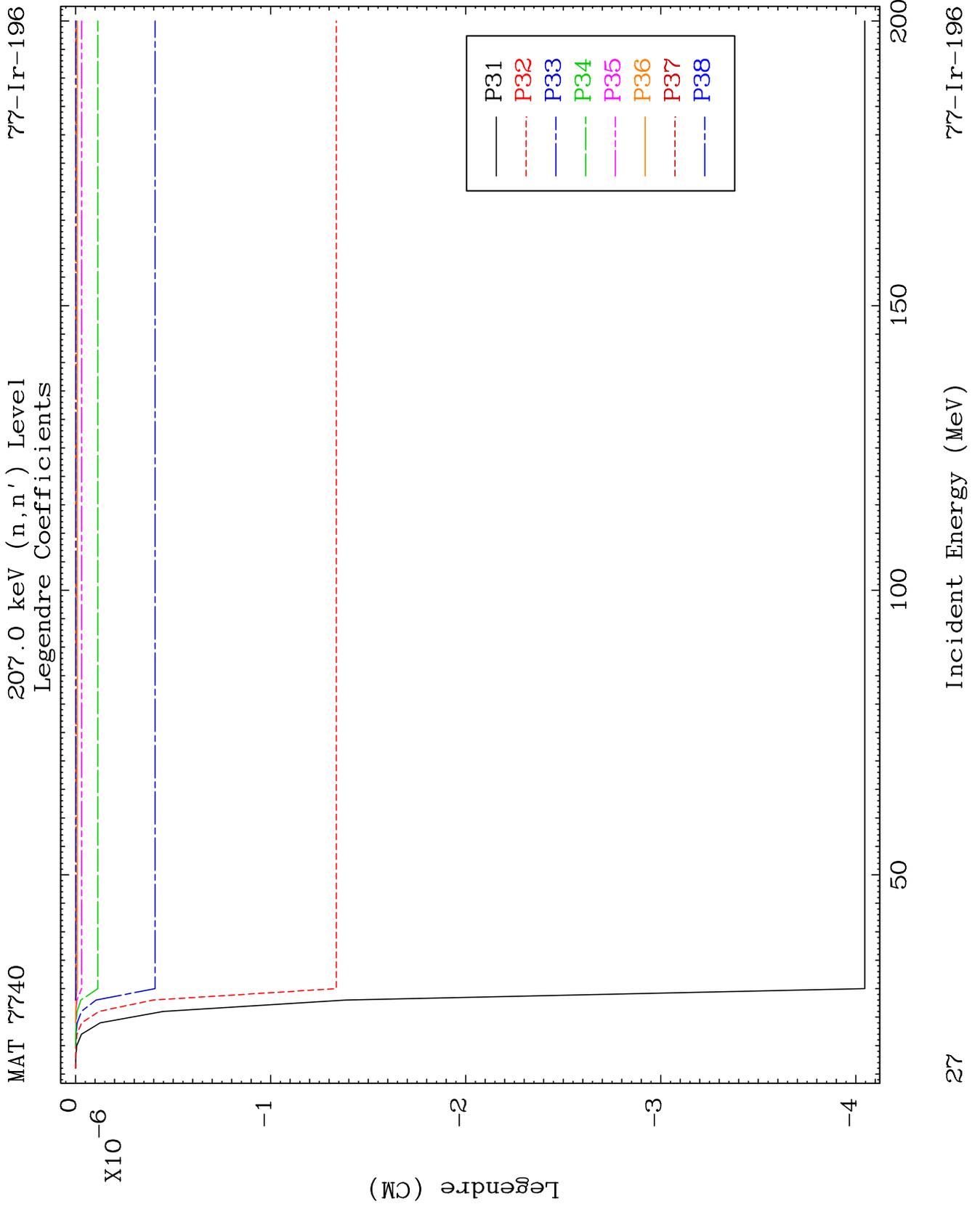
77-Ir-196

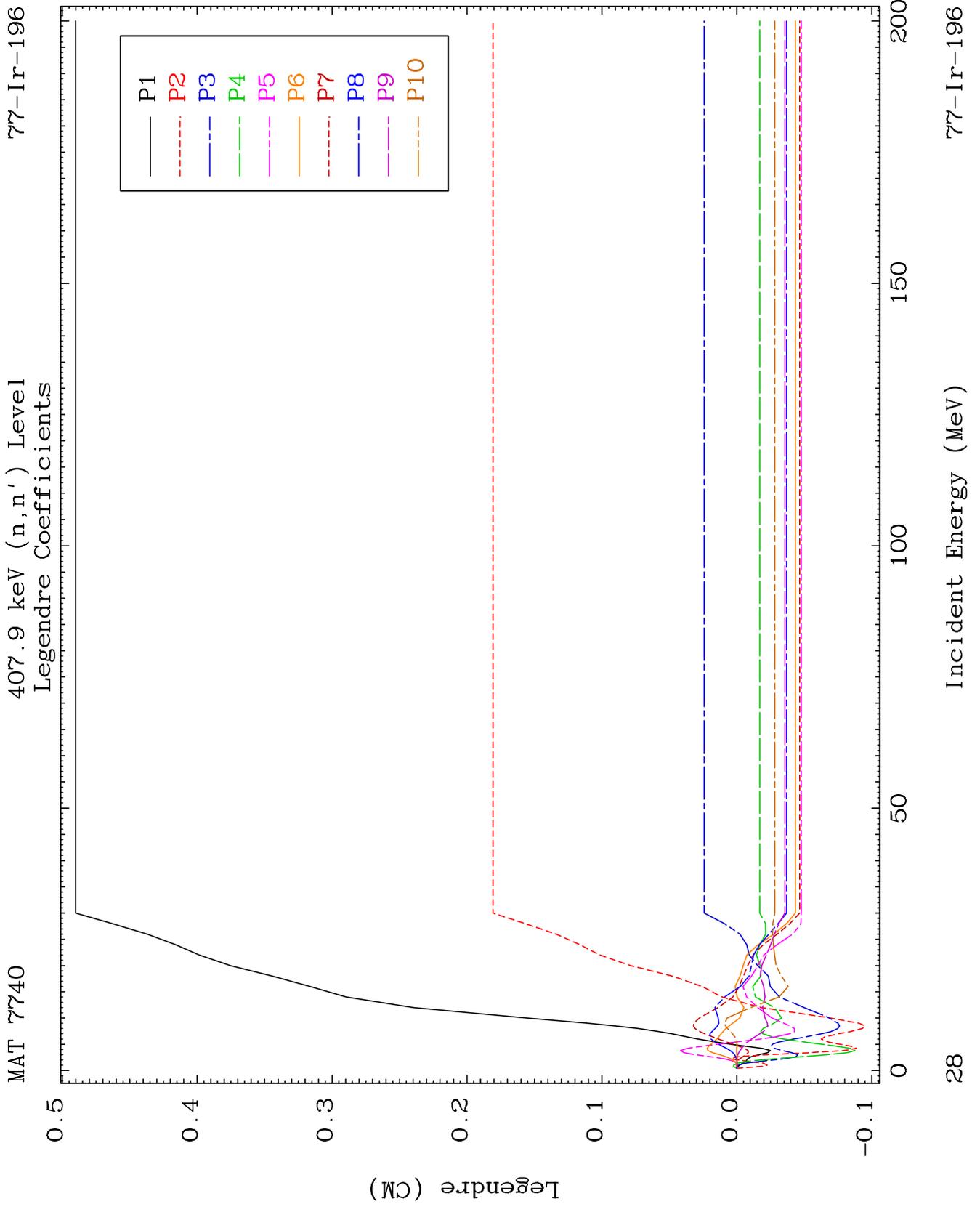
Incident Energy (MeV)

24





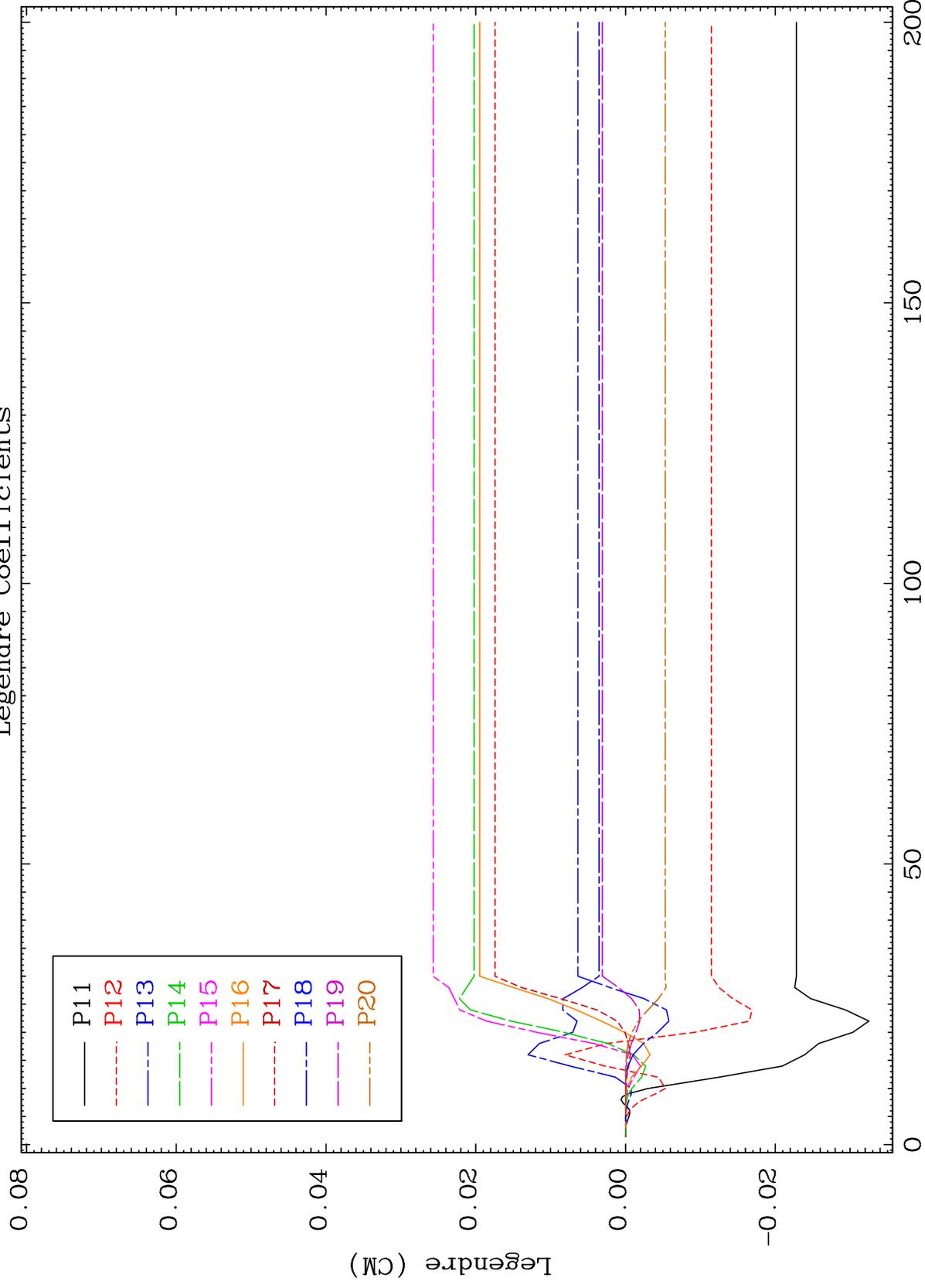




MAT 7740

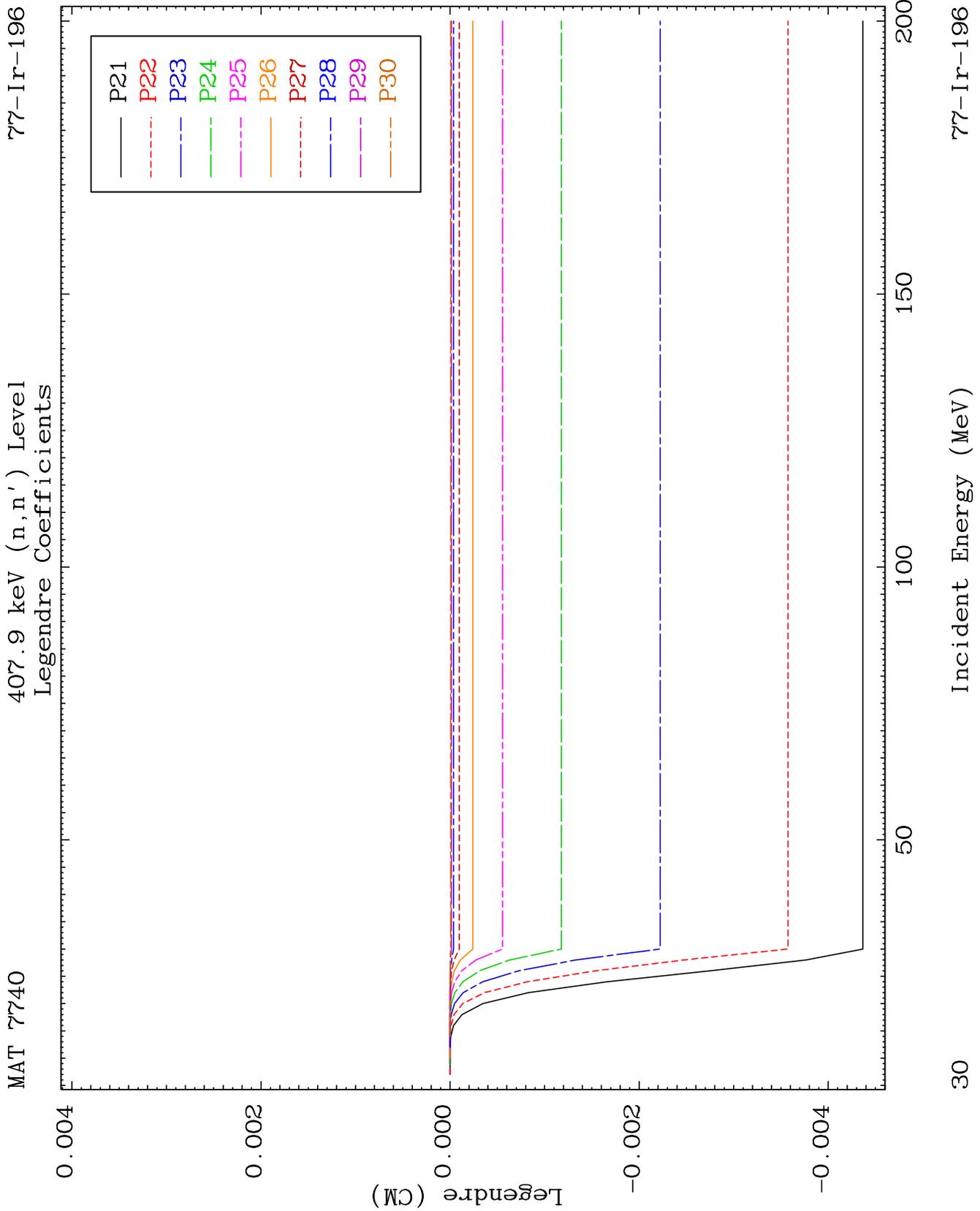
407.9 keV (n,n') Level  
Legendre Coefficients

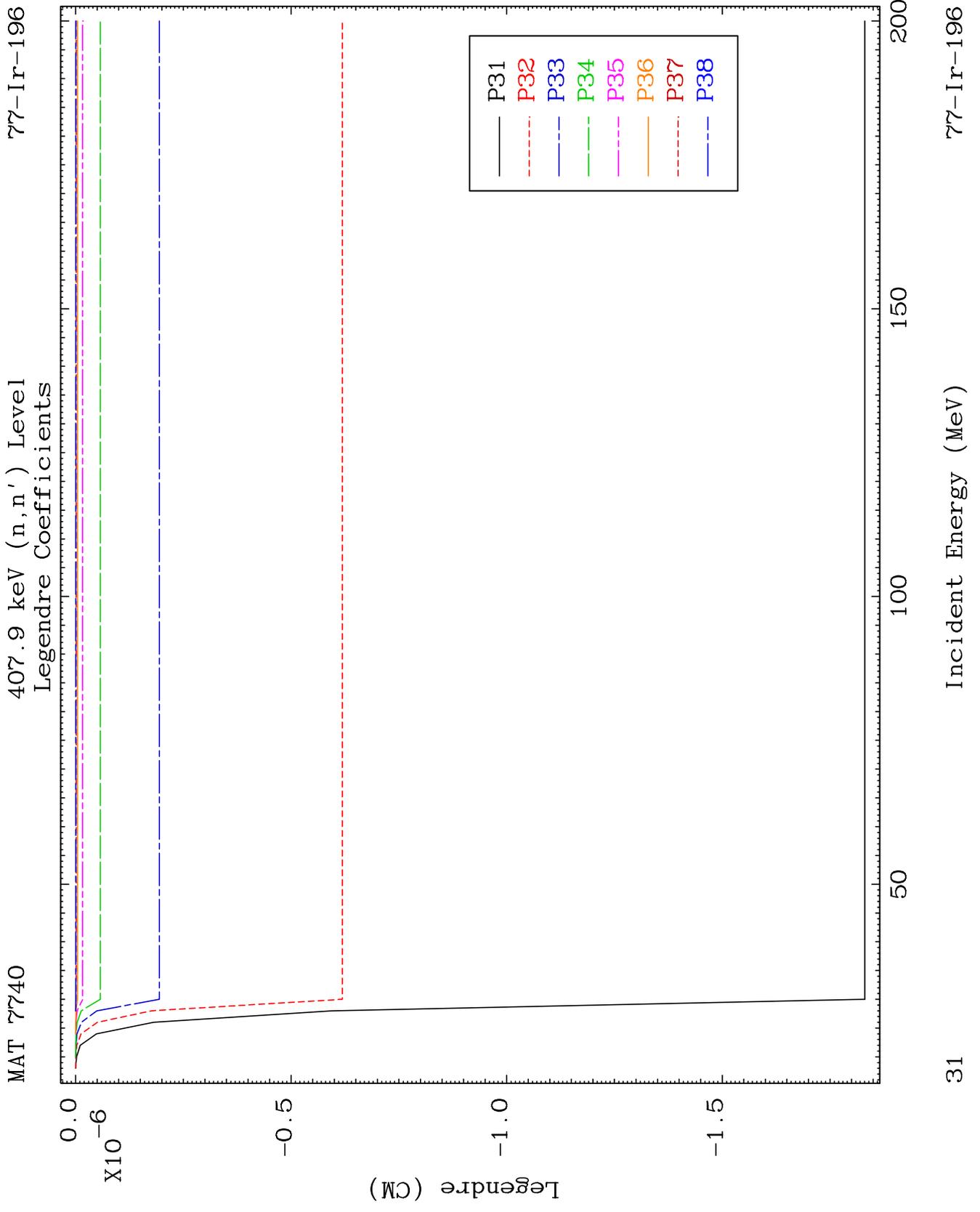
77-Ir-196

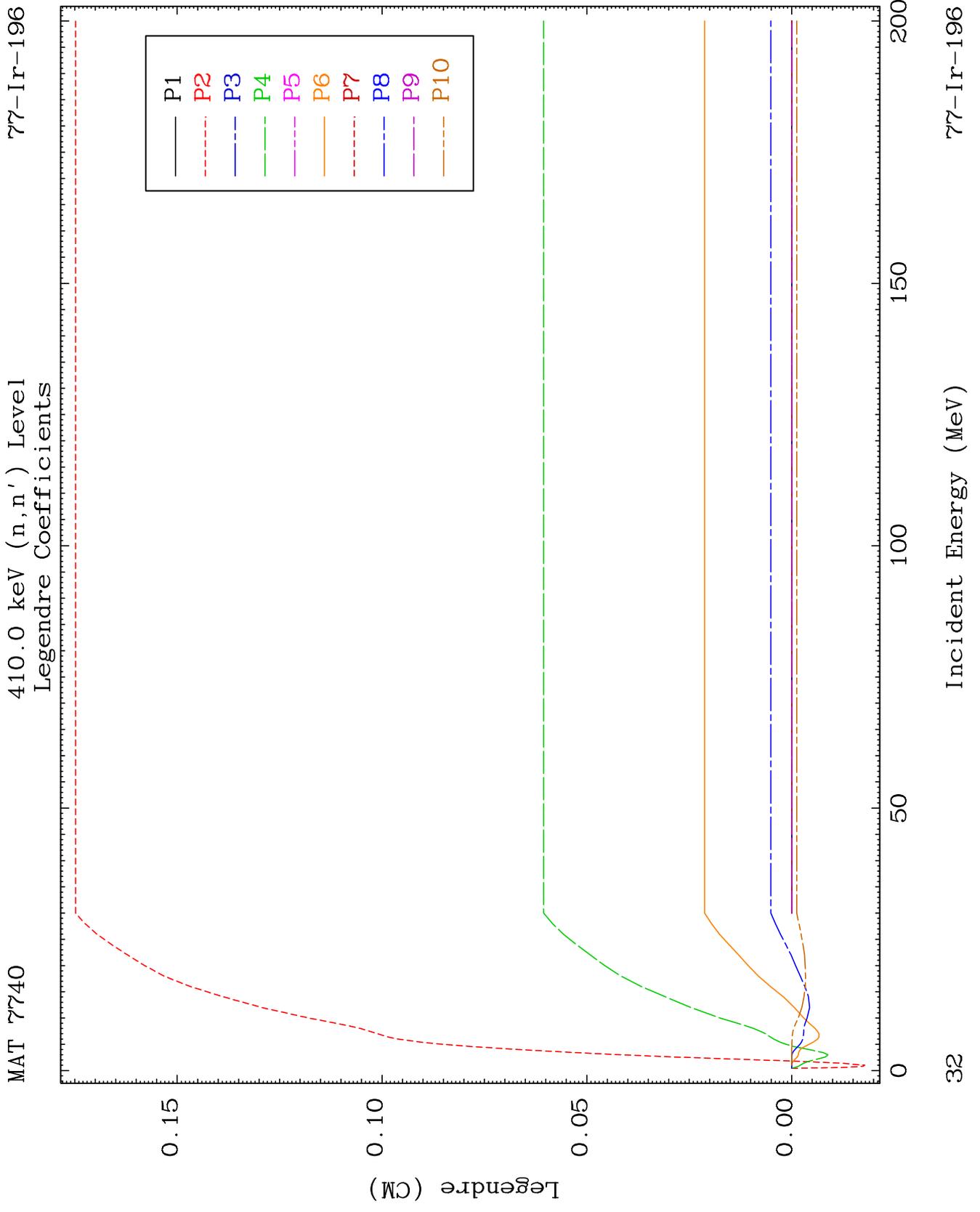


29

77-Ir-196



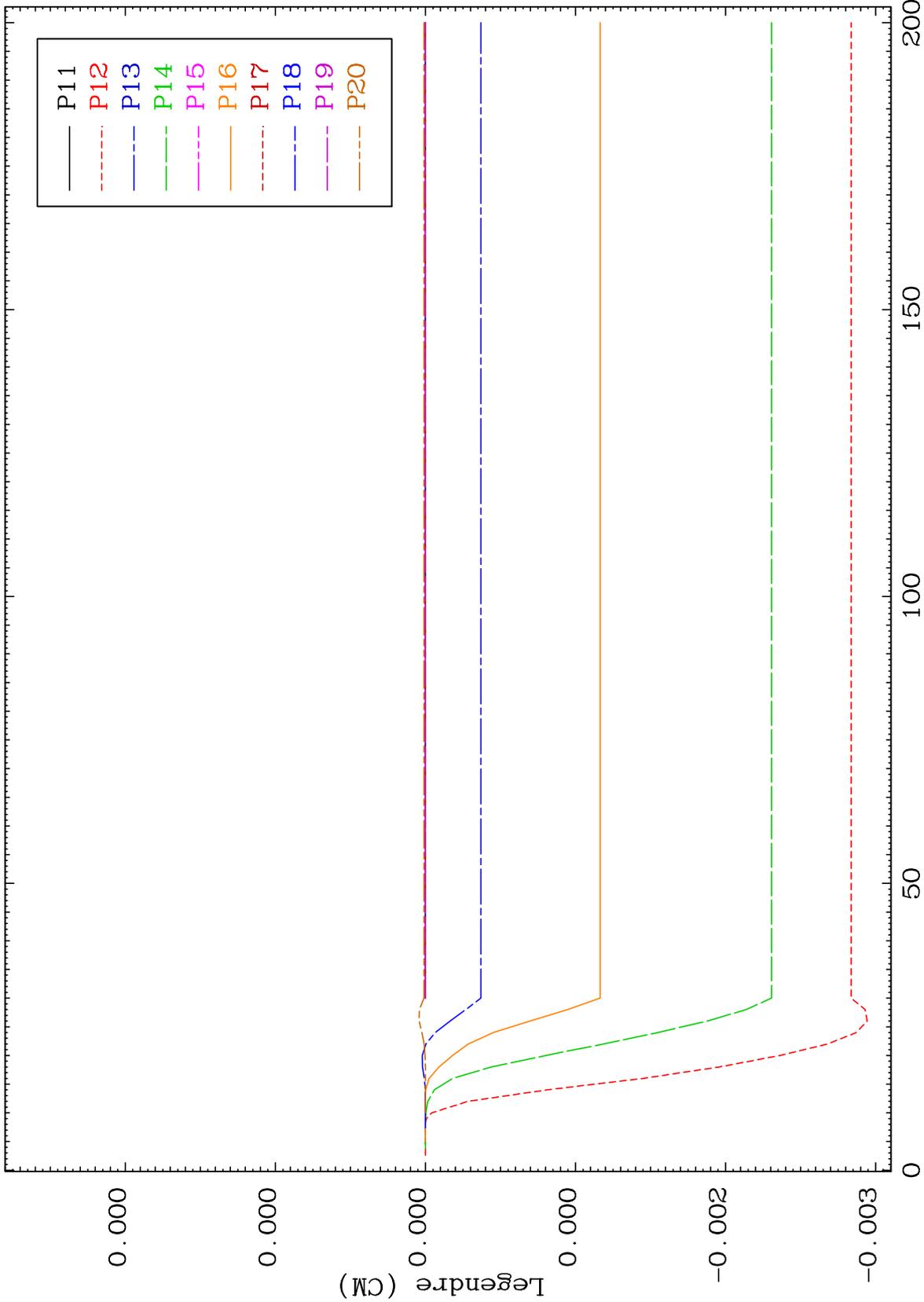




MAT 7740

410.0 keV (n,n') Level  
Legendre Coefficients

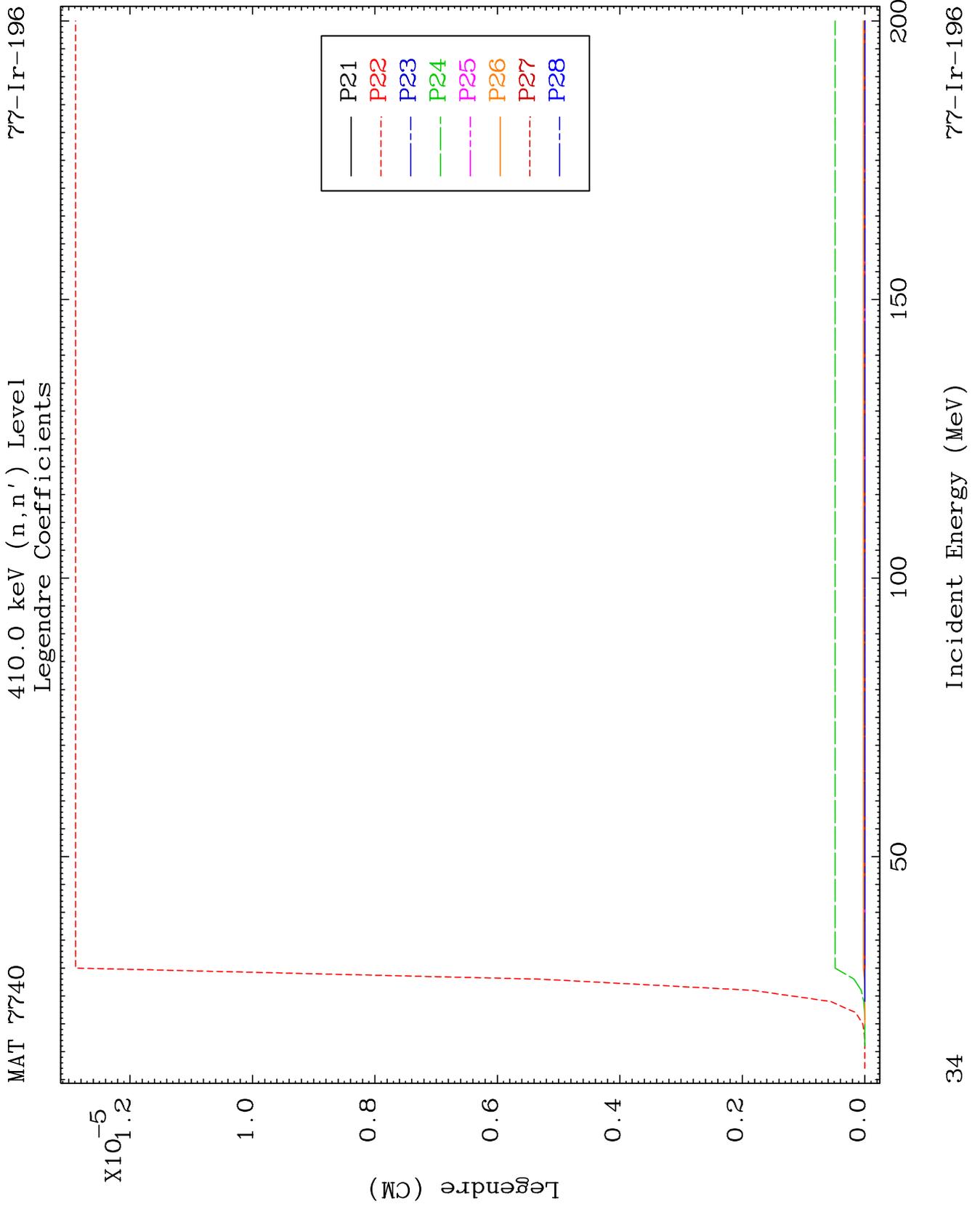
77-Ir-196



33

Incident Energy (MeV)

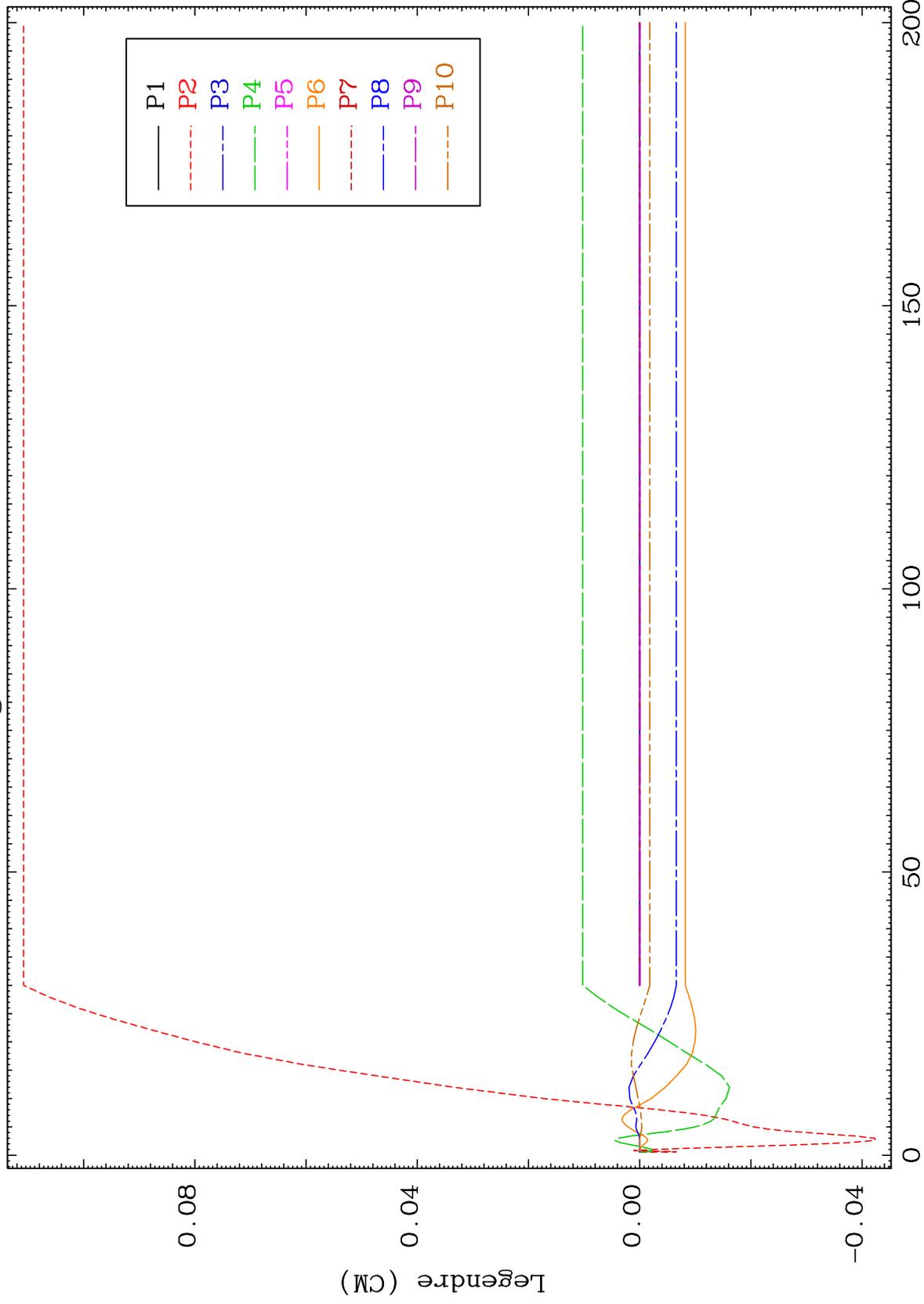
77-Ir-196



MAT 7740

522.4 keV (n,n') Level  
Legendre Coefficients

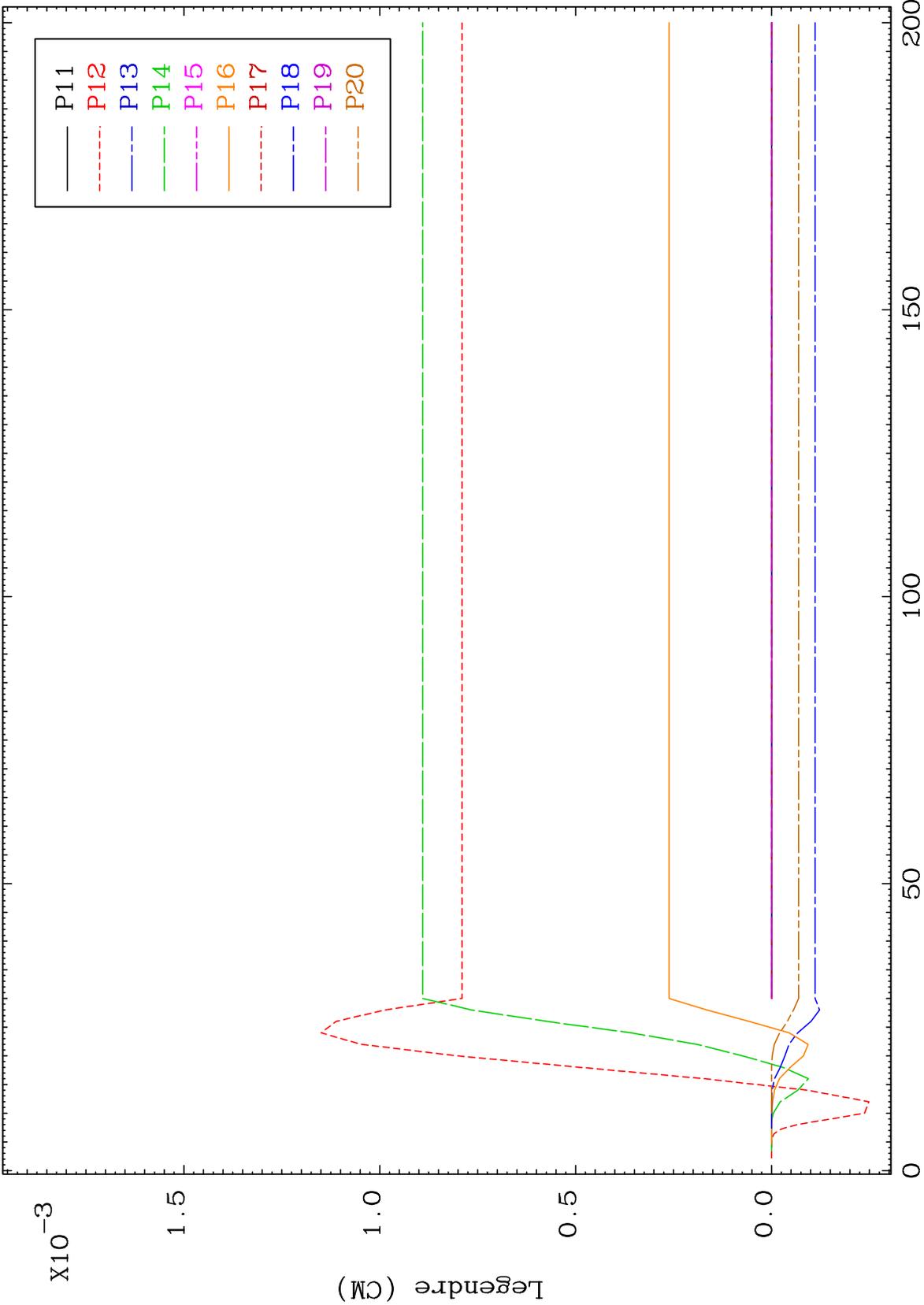
77-Ir-196

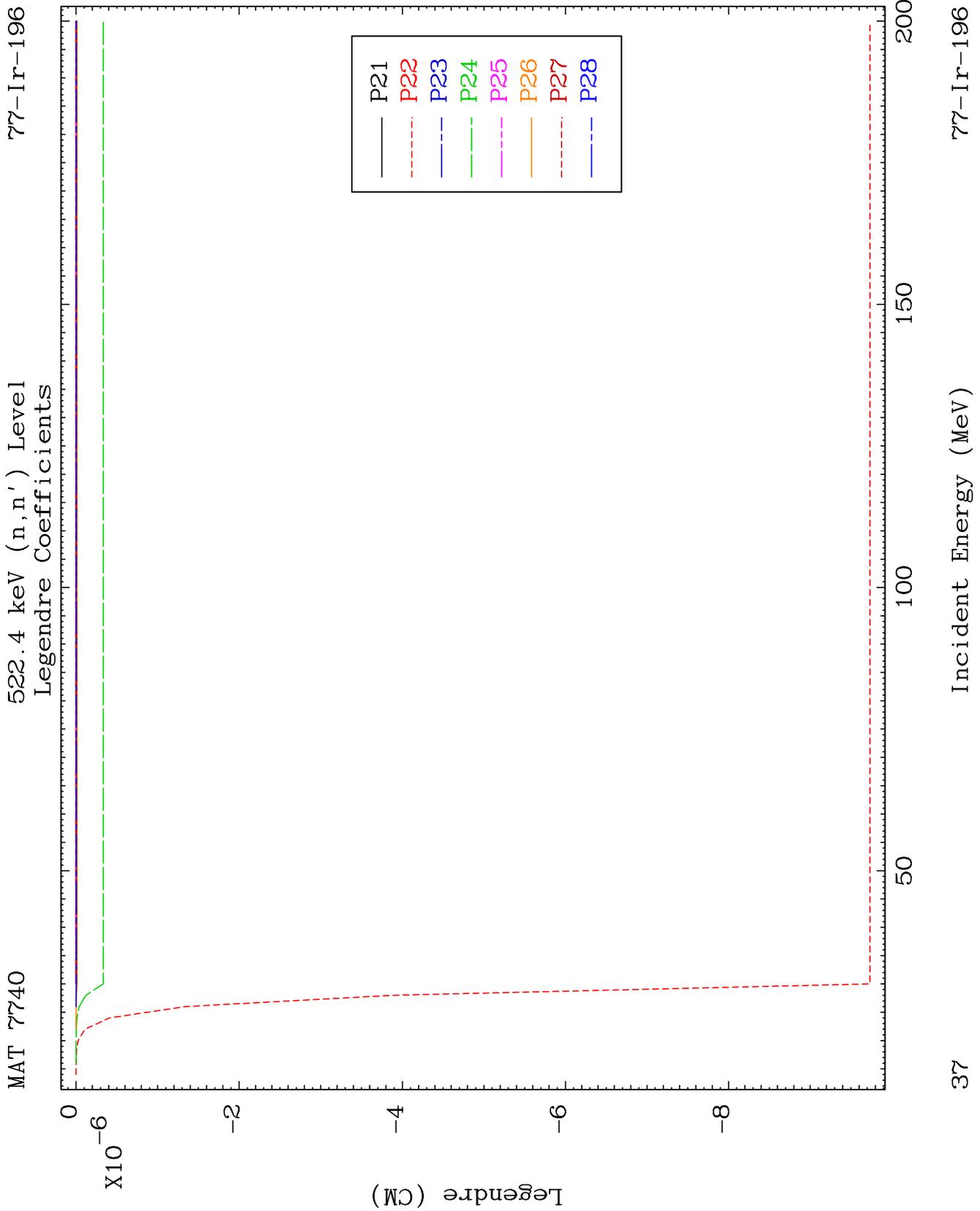


77-Ir-196

Incident Energy (MeV)

35



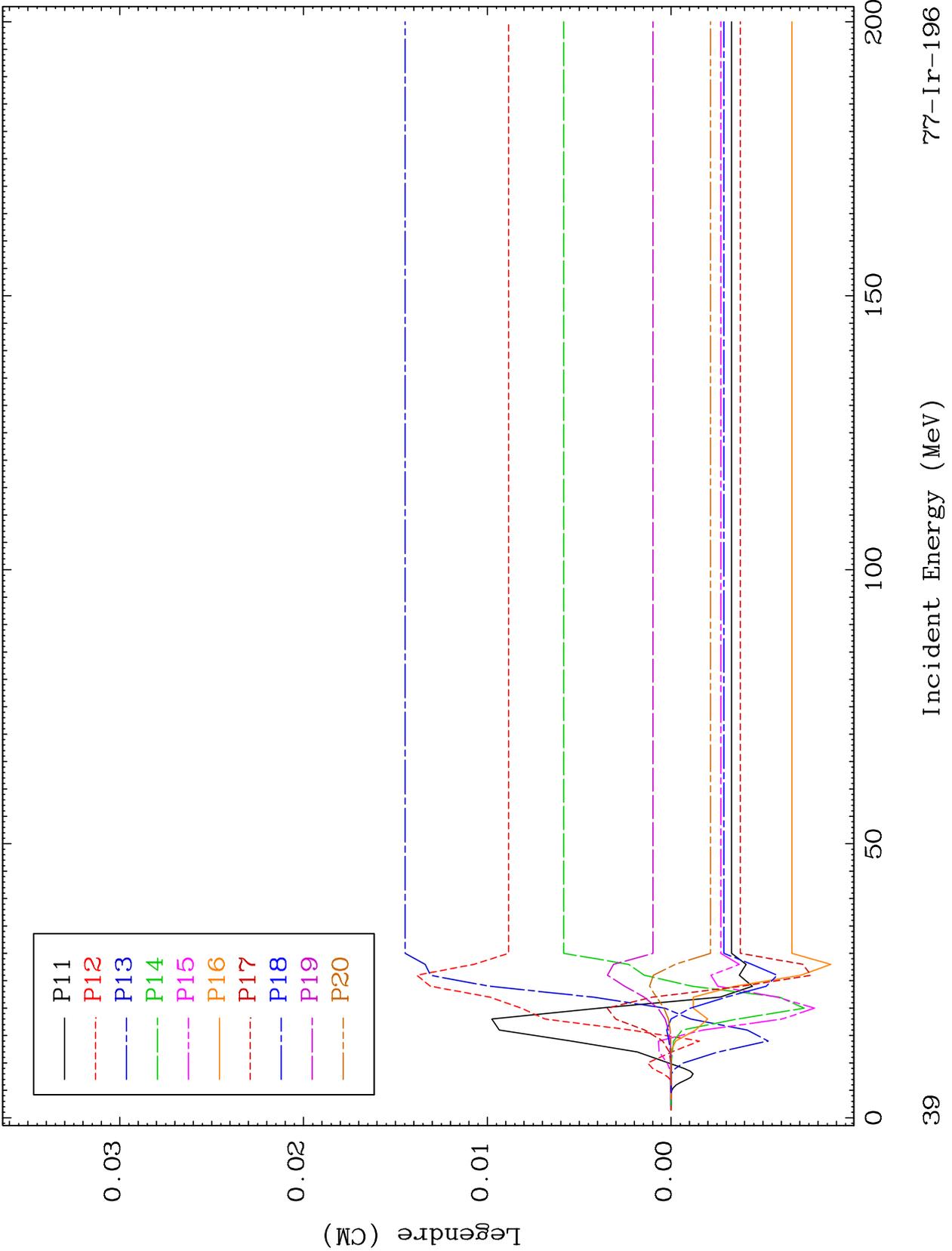




MAT 7740

536.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-196



39

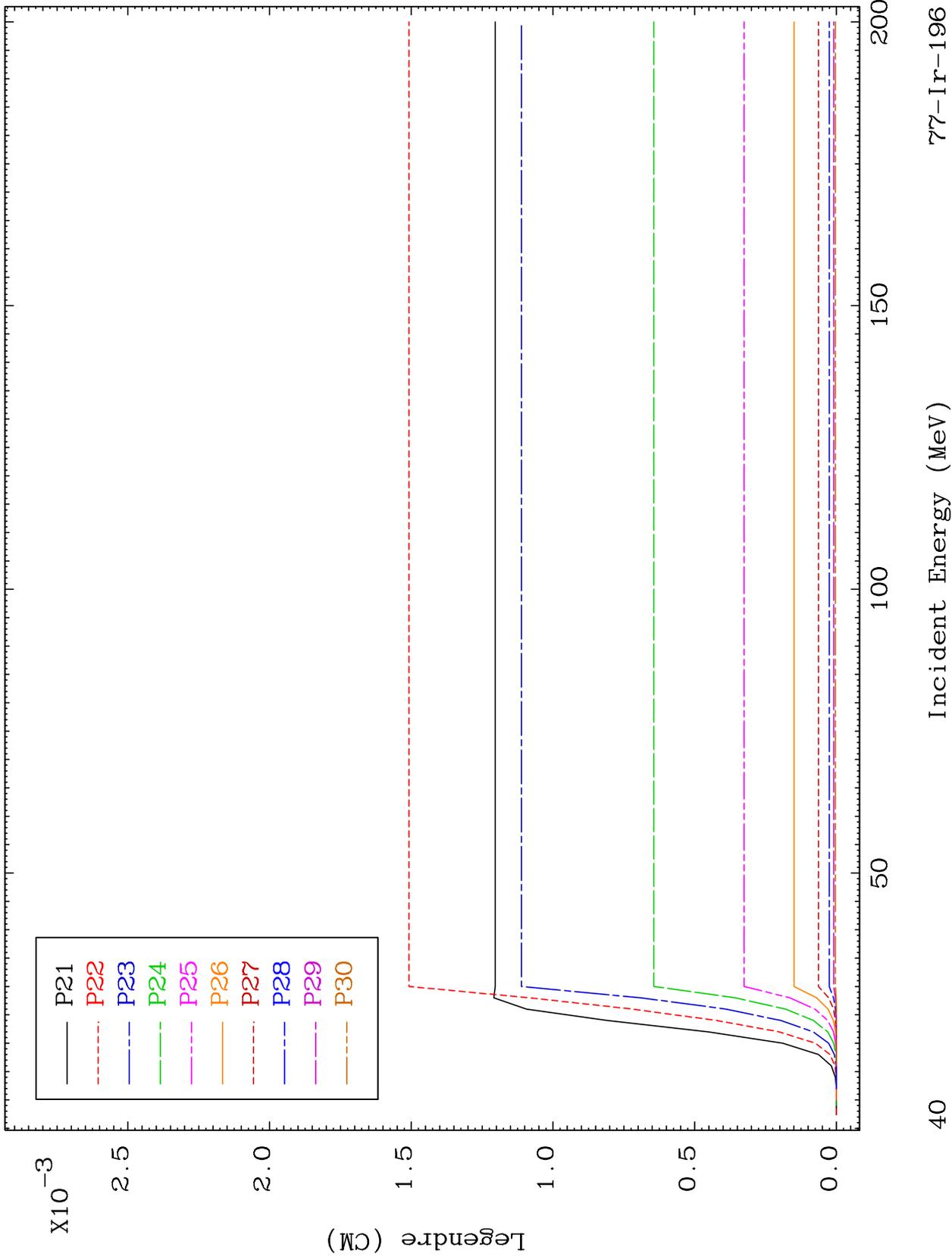
Incident Energy (MeV)

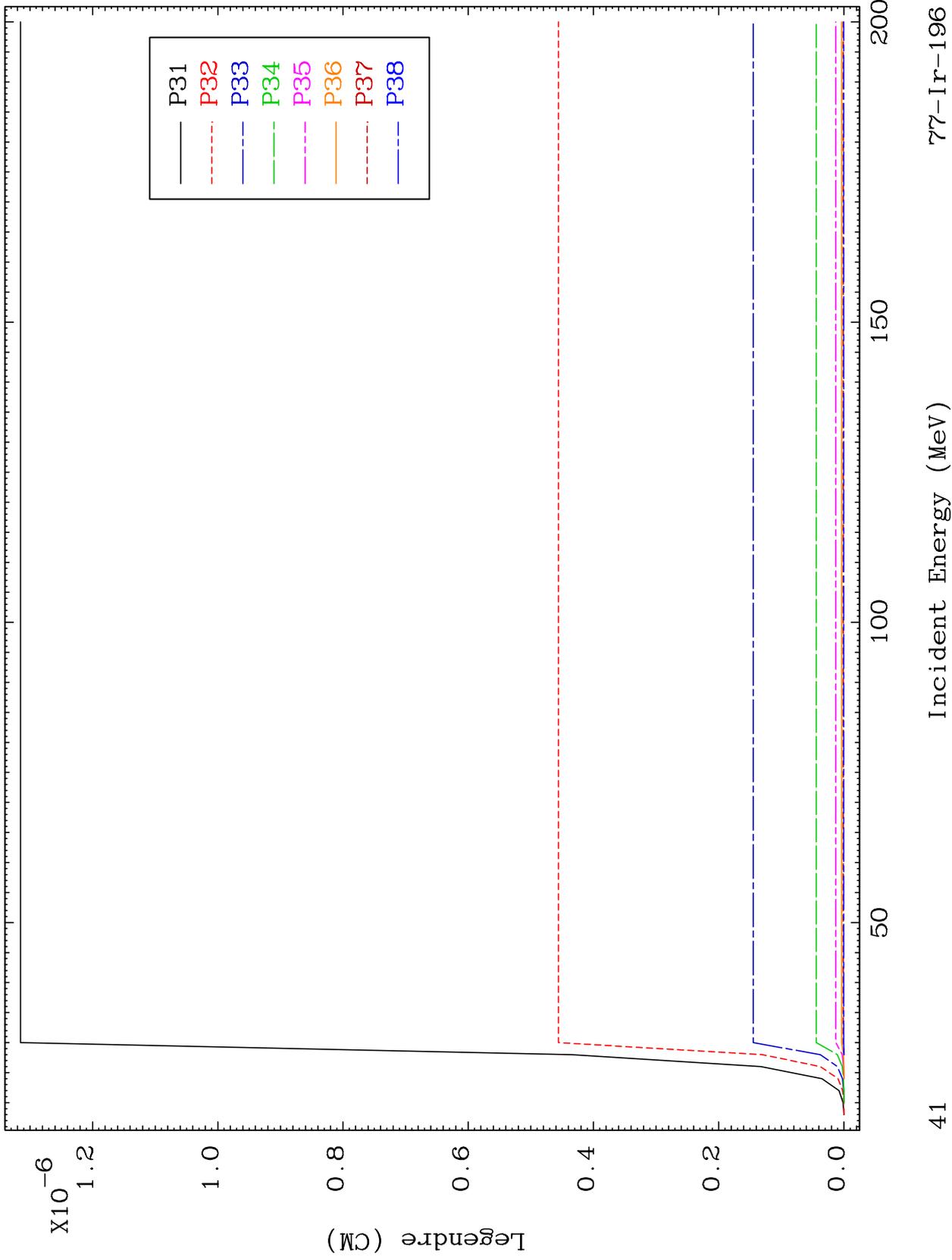
77-Ir-196

MAT 7740

536.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-196

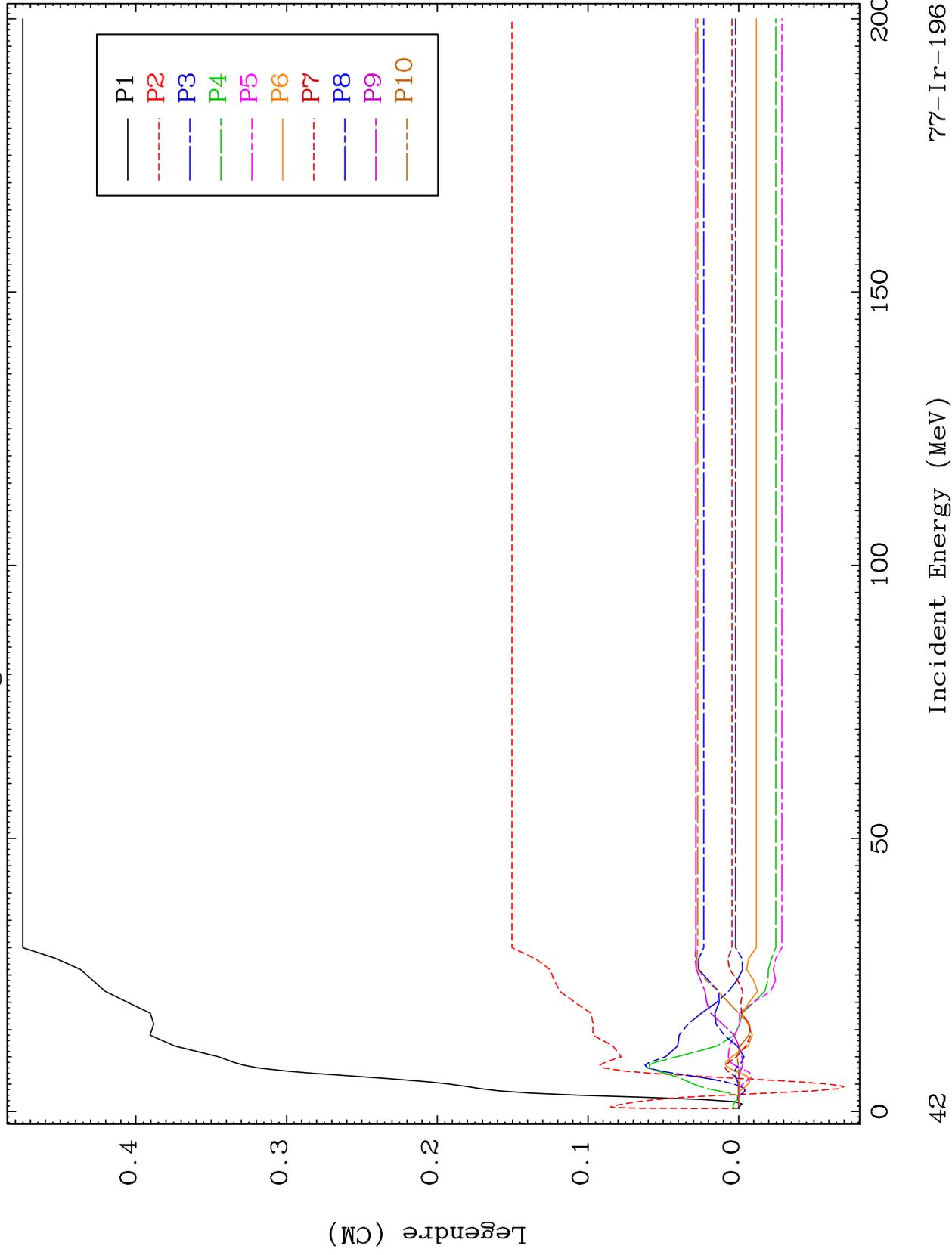




MAT 7740

539.2 keV (n,n') Level  
Legendre Coefficients

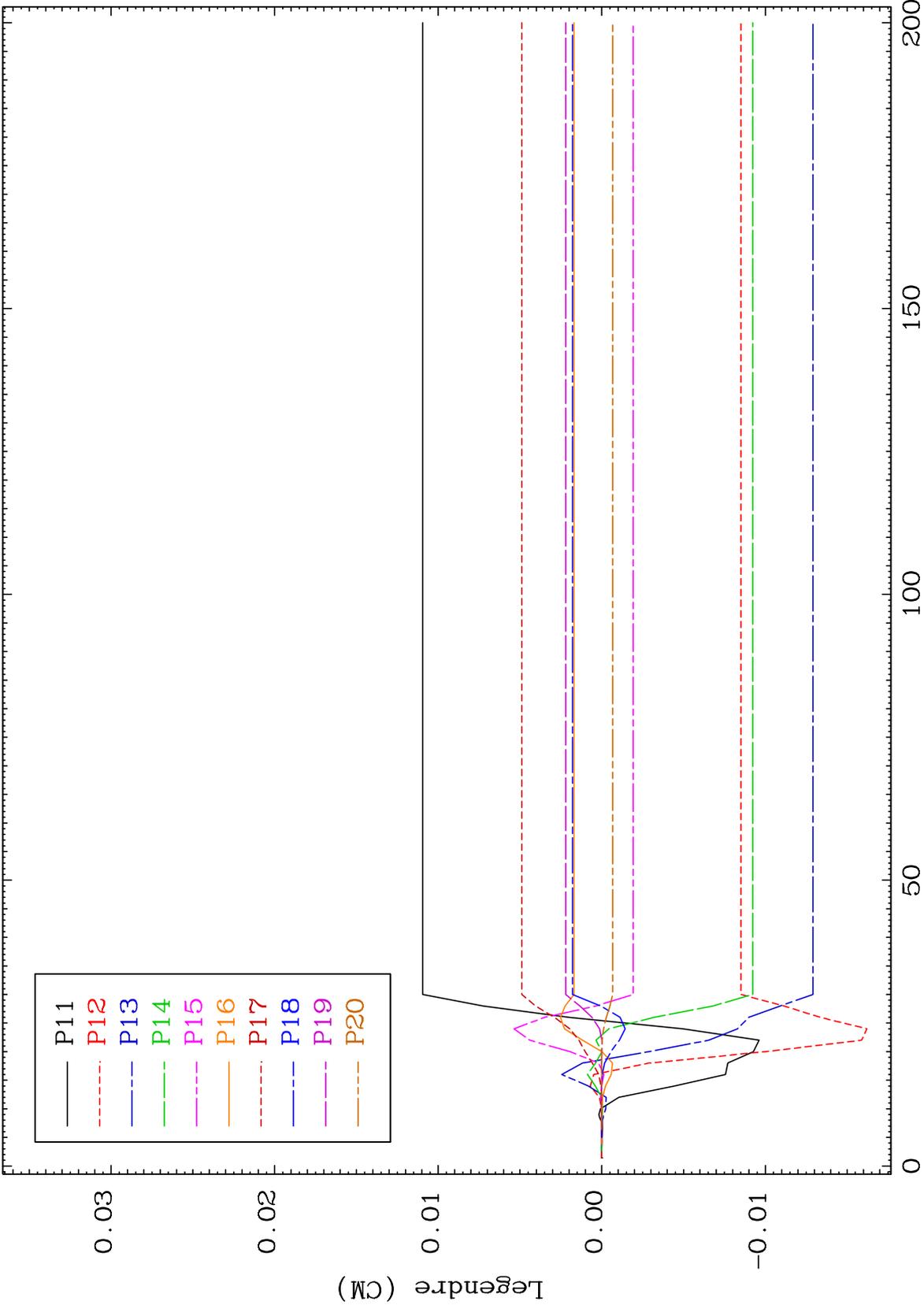
77-Ir-196

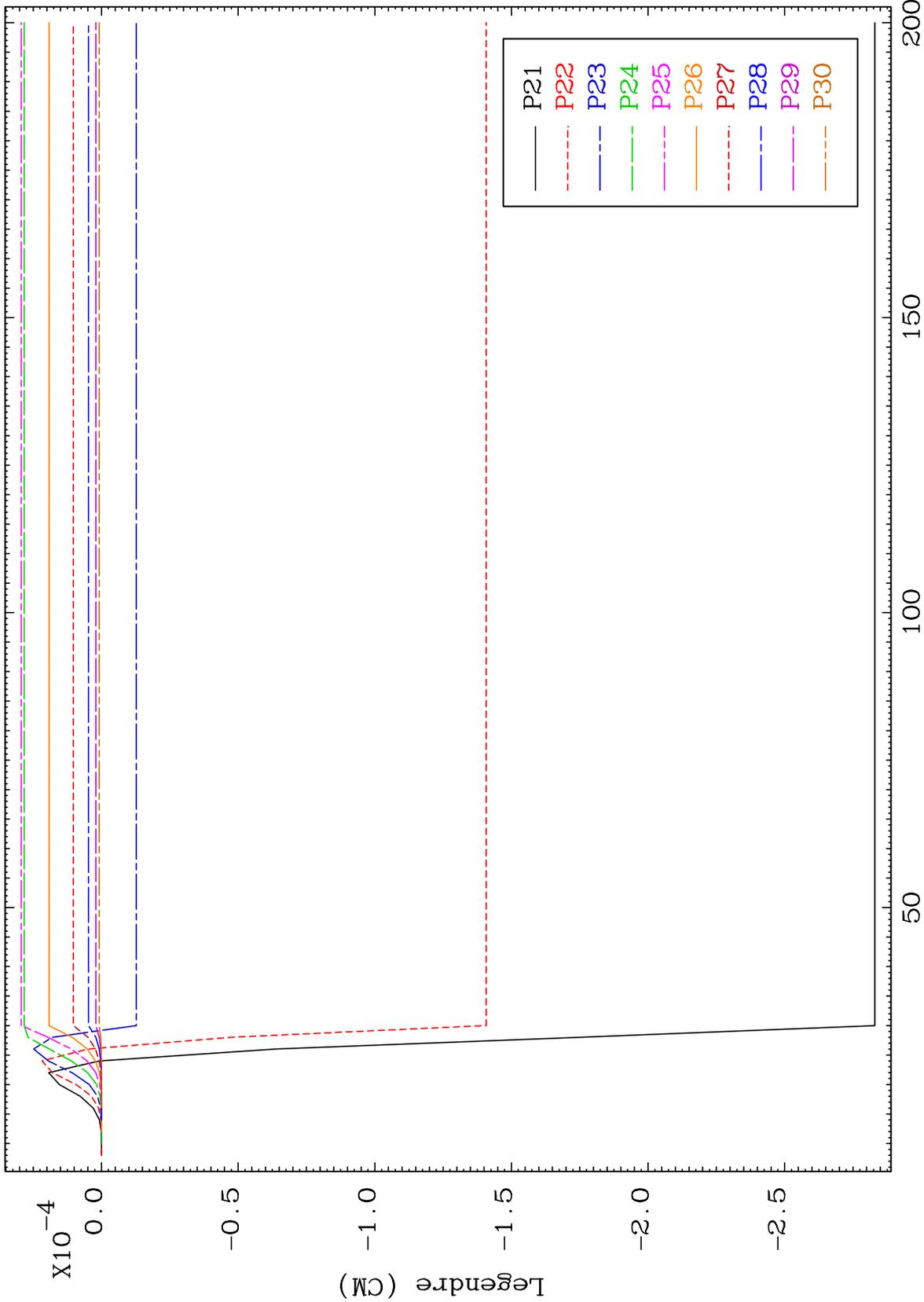


77-Ir-196

Incident Energy (MeV)

42

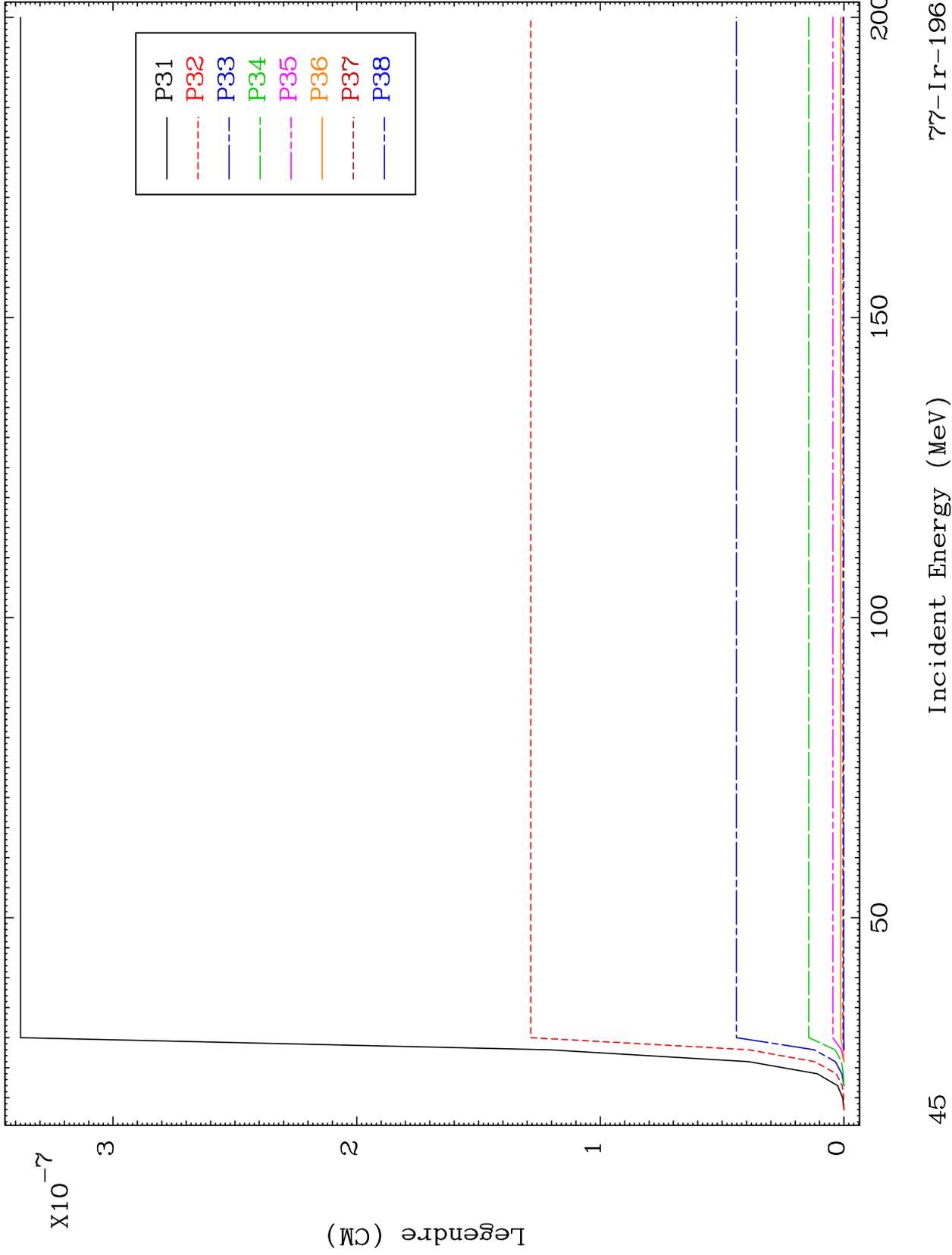


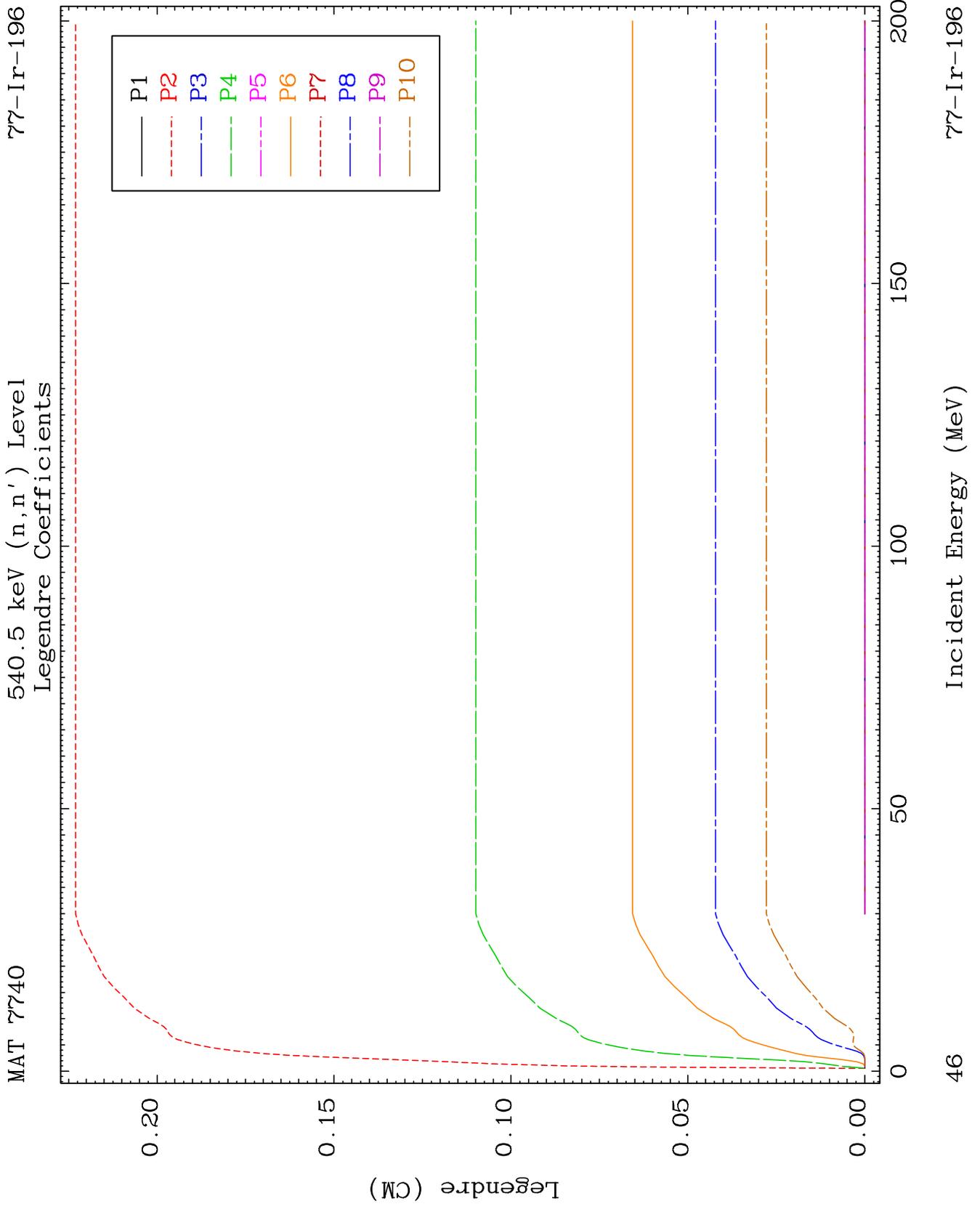


MAT 7740

539.2 keV (n,n') Level  
Legendre Coefficients

77-Ir-196

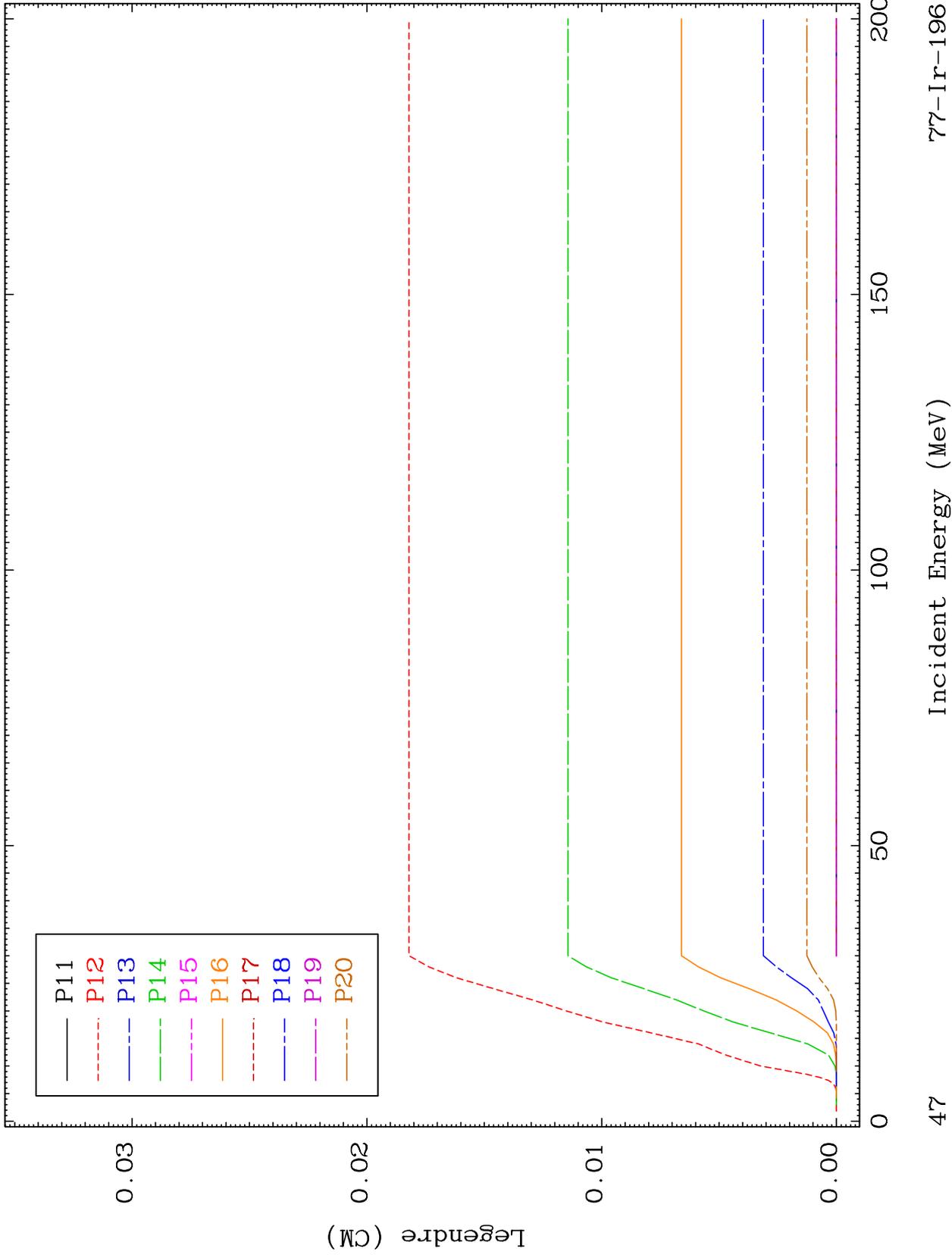




MAT 7740

540.5 keV (n,n') Level  
Legendre Coefficients

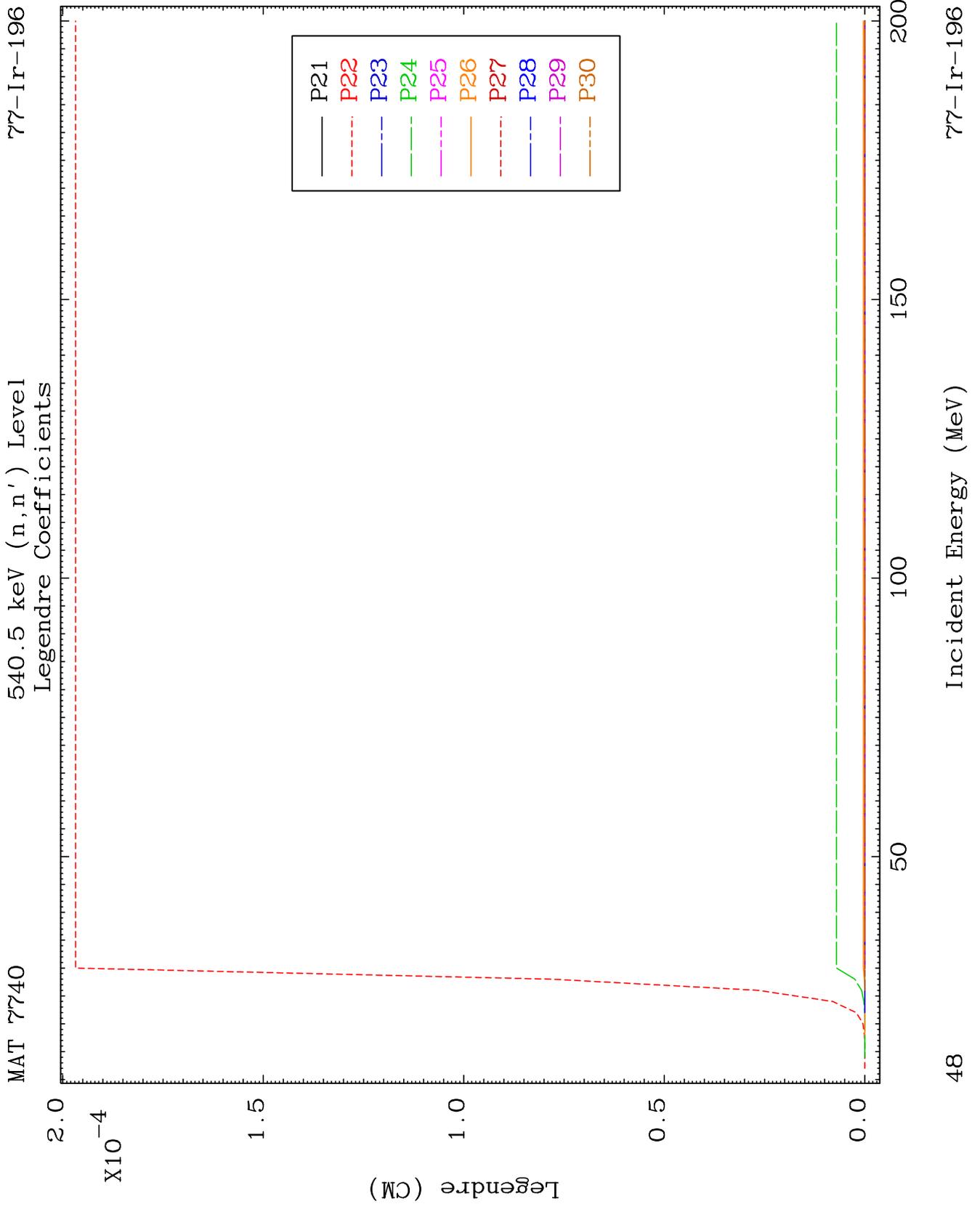
77-Ir-196

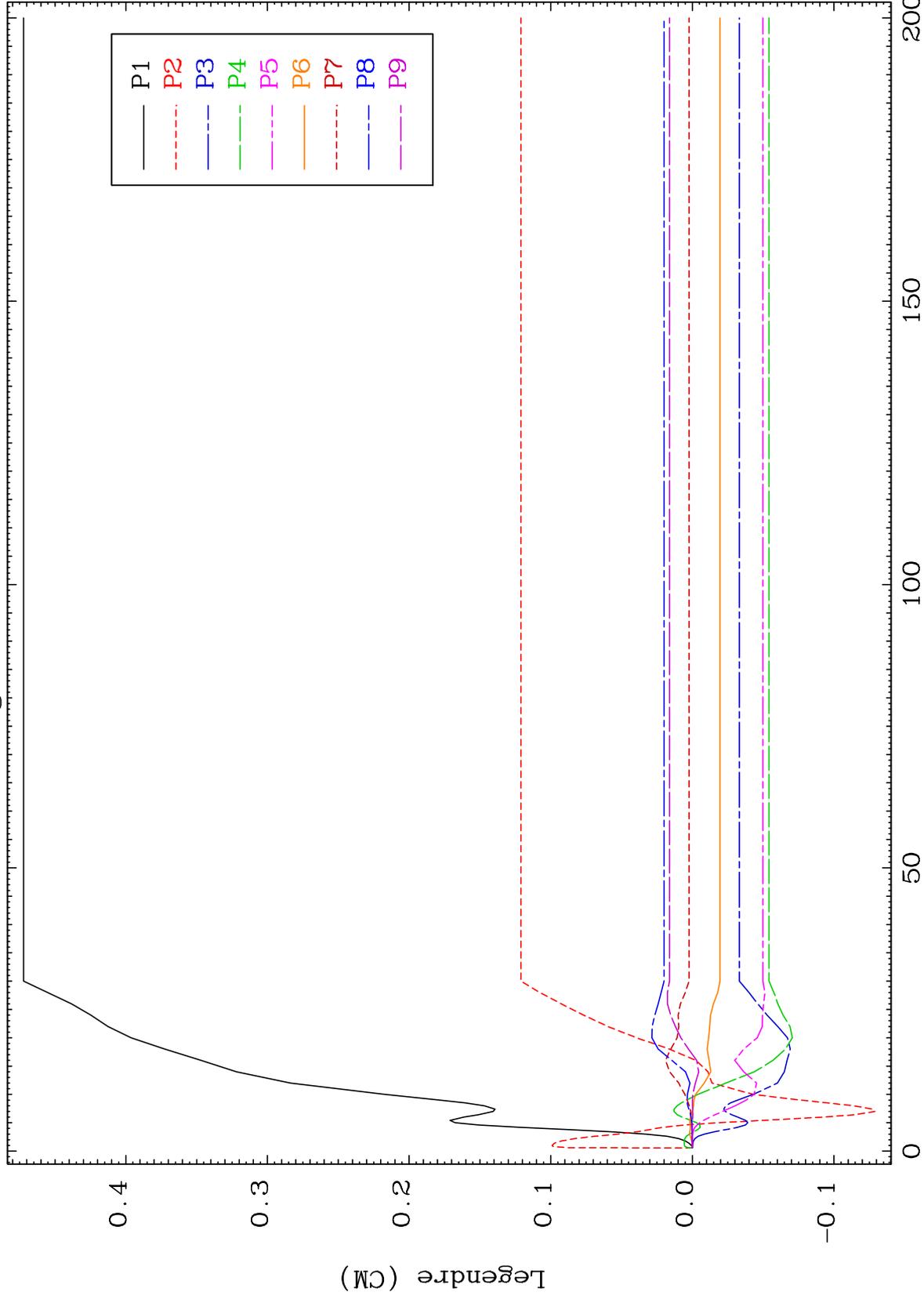


47

Incident Energy (MeV)

77-Ir-196

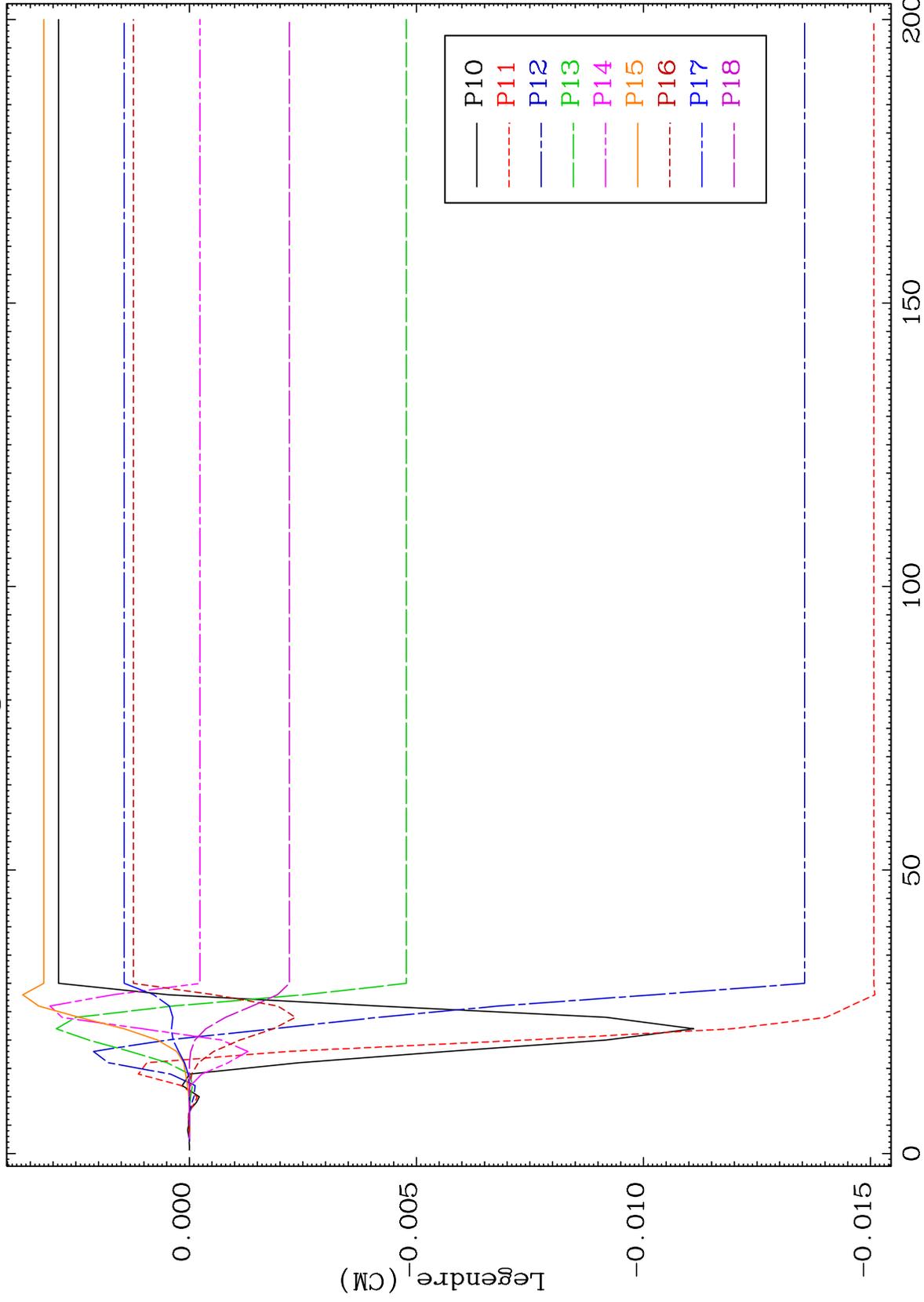




MAT 7740

542.2 keV (n,n') Level  
Legendre Coefficients

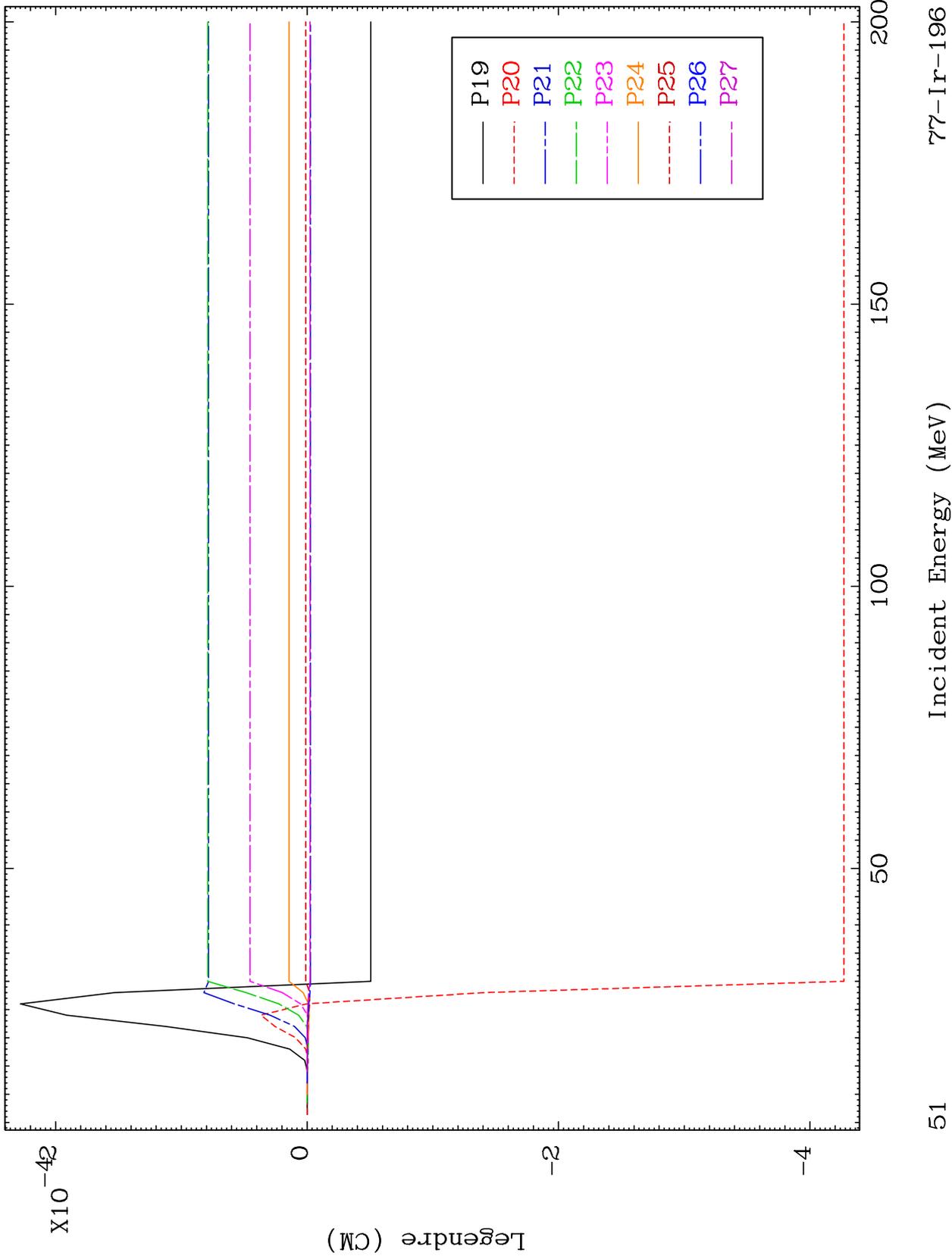
77-Ir-196



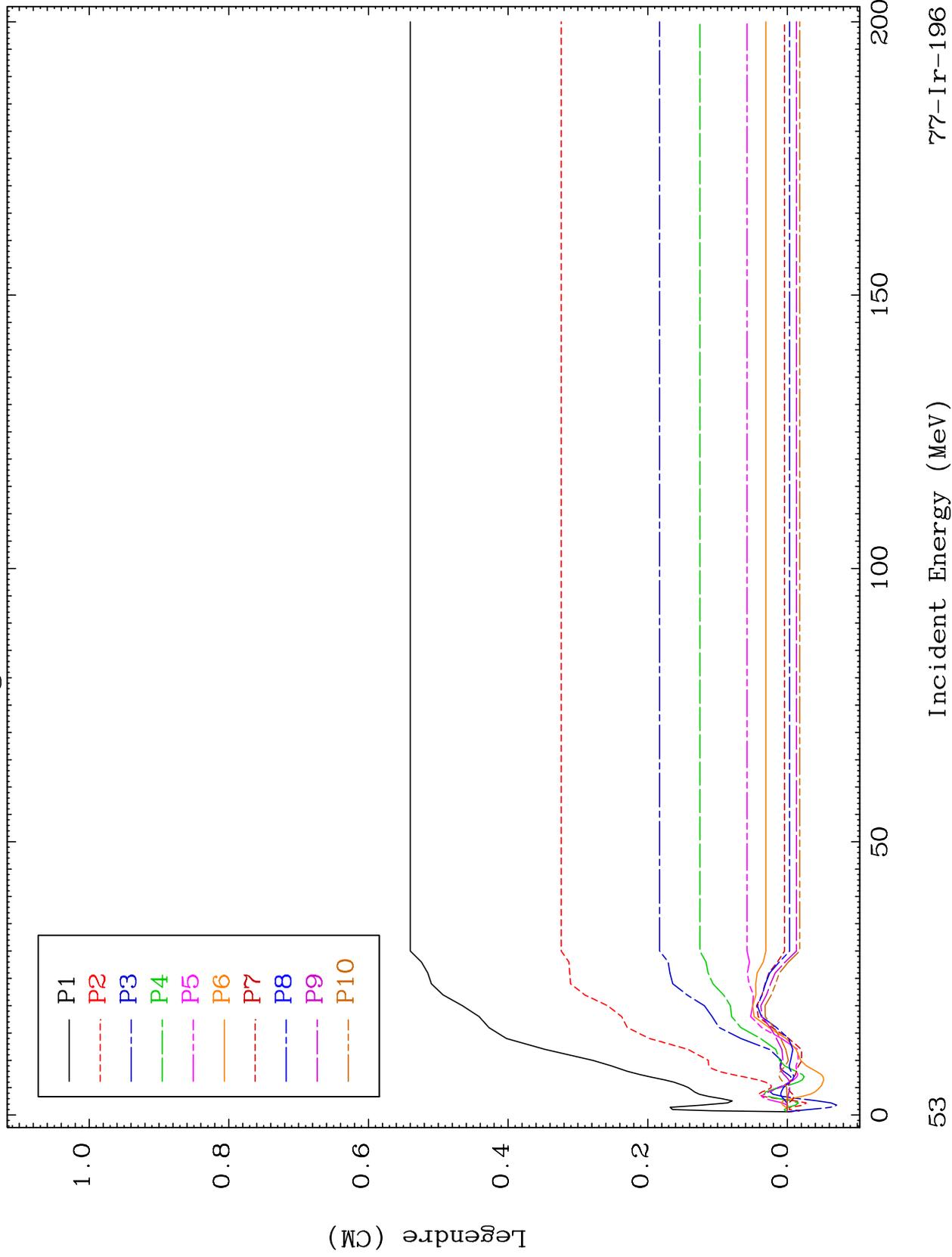
77-Ir-196

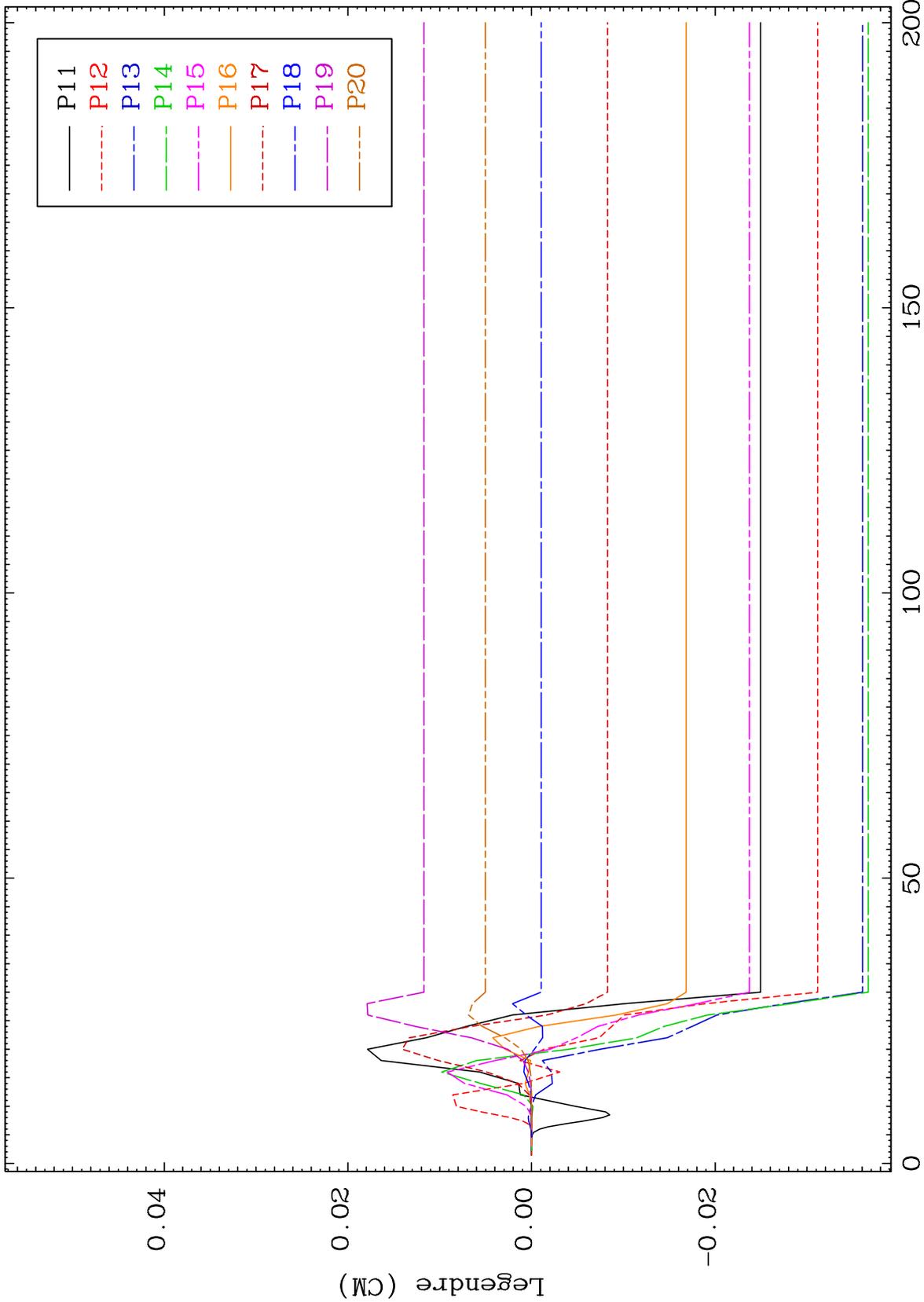
Incident Energy (MeV)

50





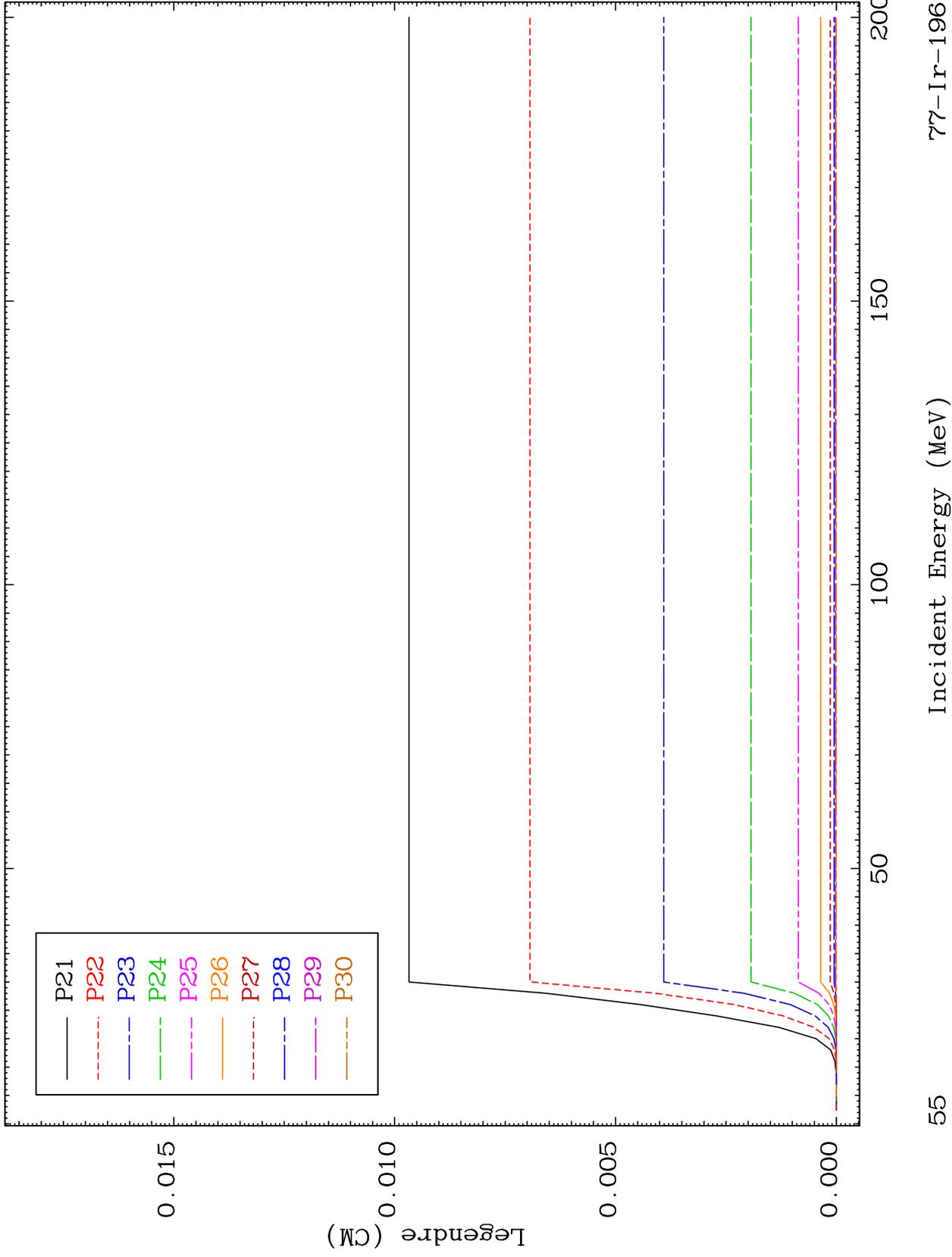




MAT 7740

546.9 keV (n,n') Level  
Legendre Coefficients

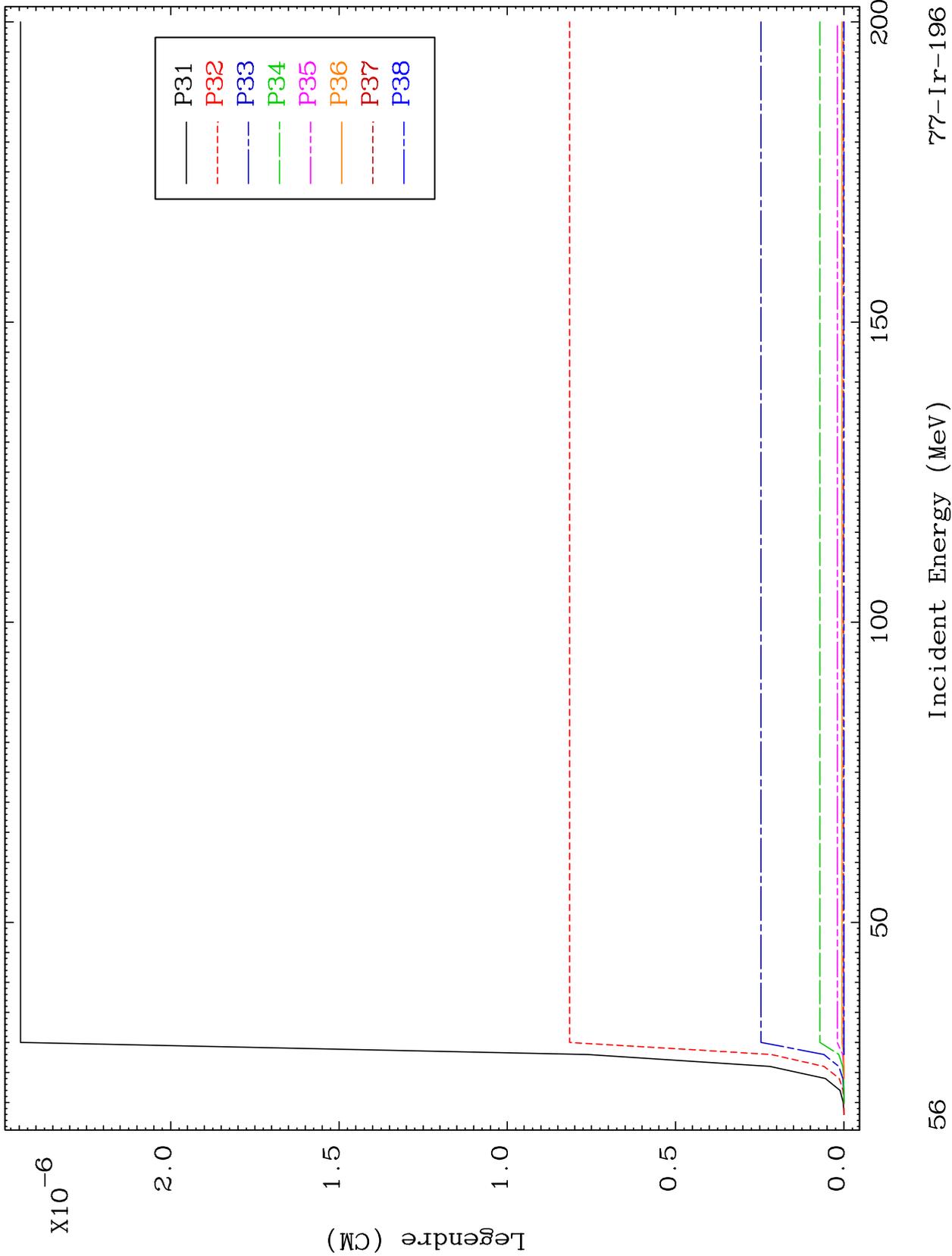
77-Ir-196



55

Incident Energy (MeV)

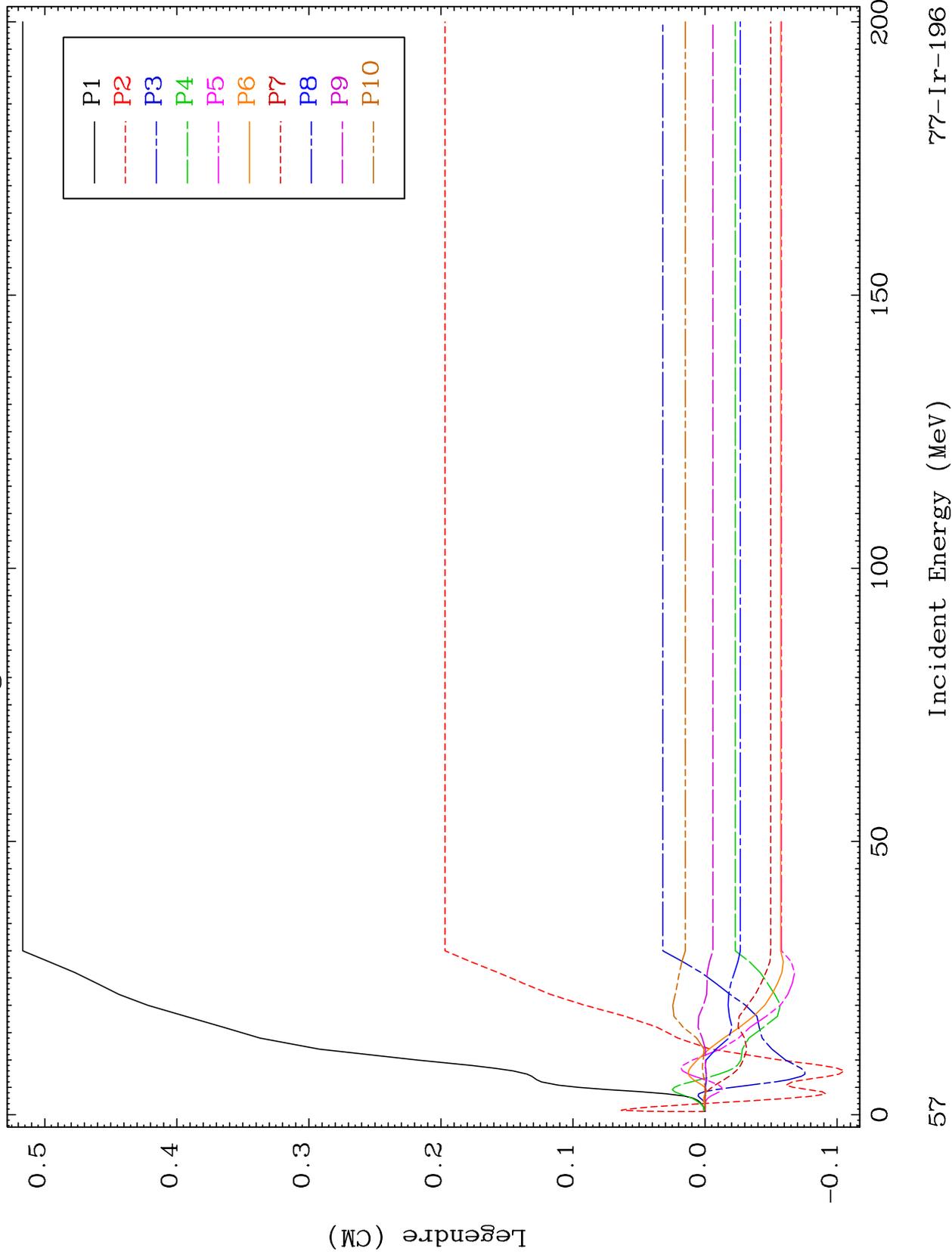
77-Ir-196



MAT 7740

556.2 keV (n,n') Level  
Legendre Coefficients

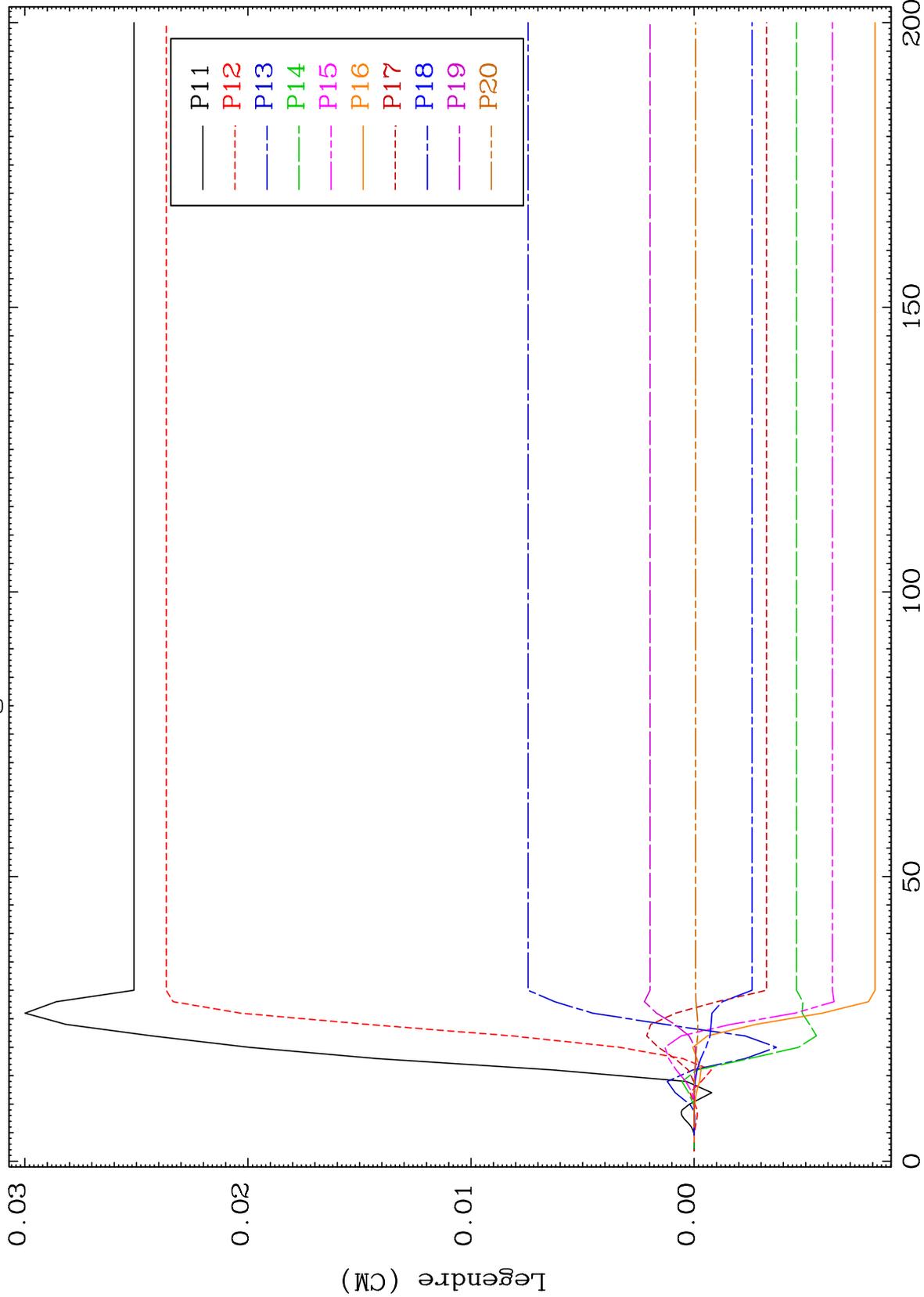
77-Ir-196

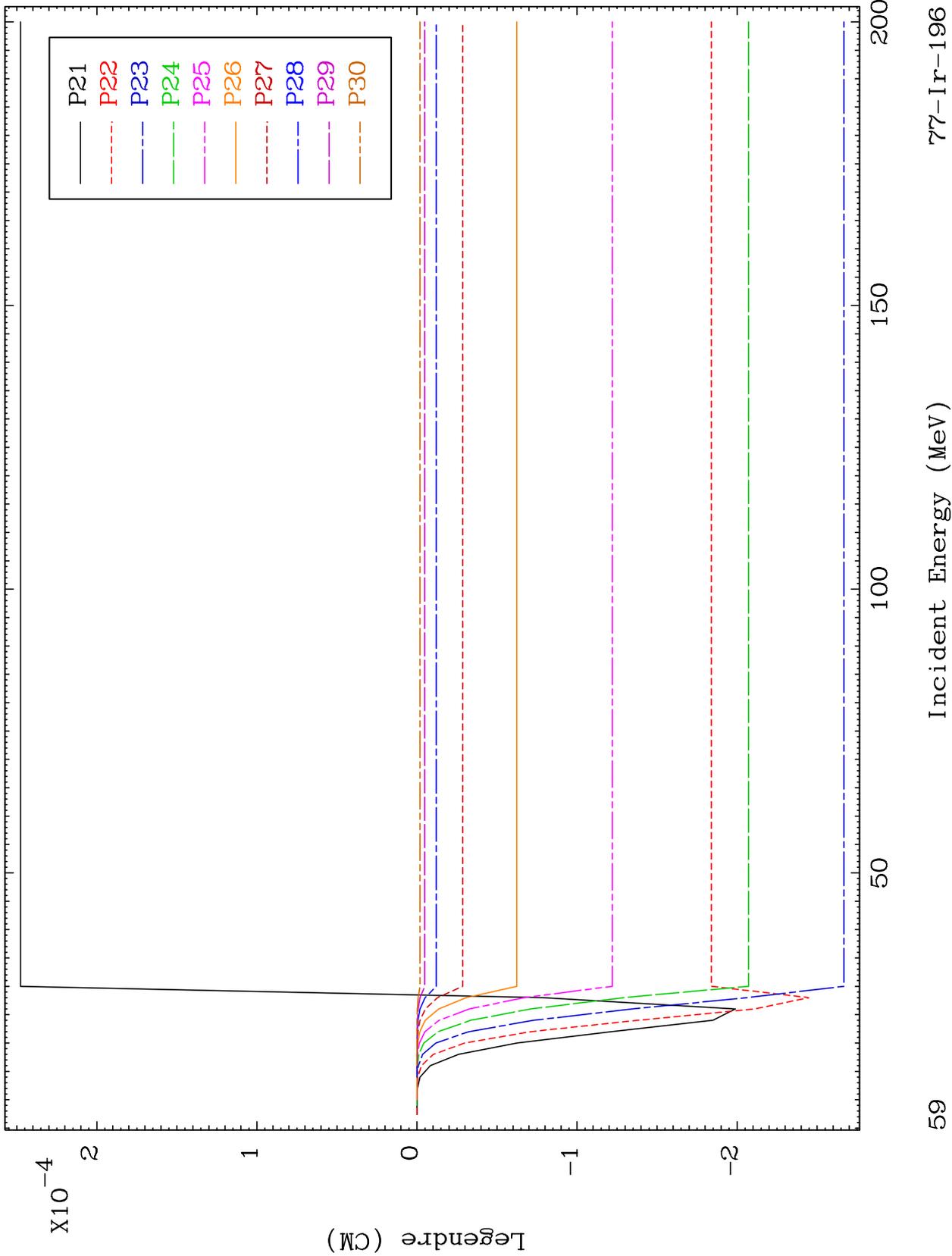


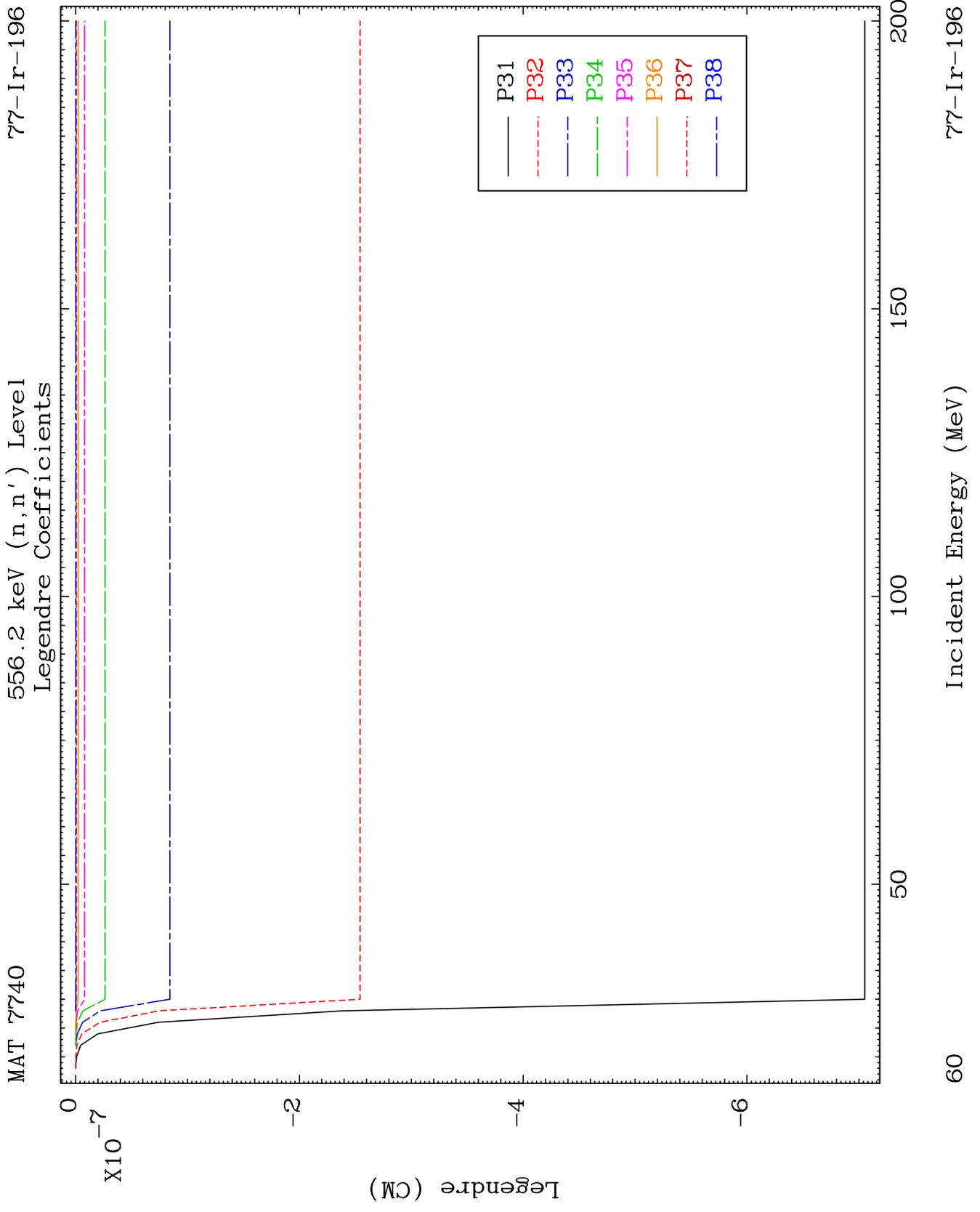
77-Ir-196

Incident Energy (MeV)

57



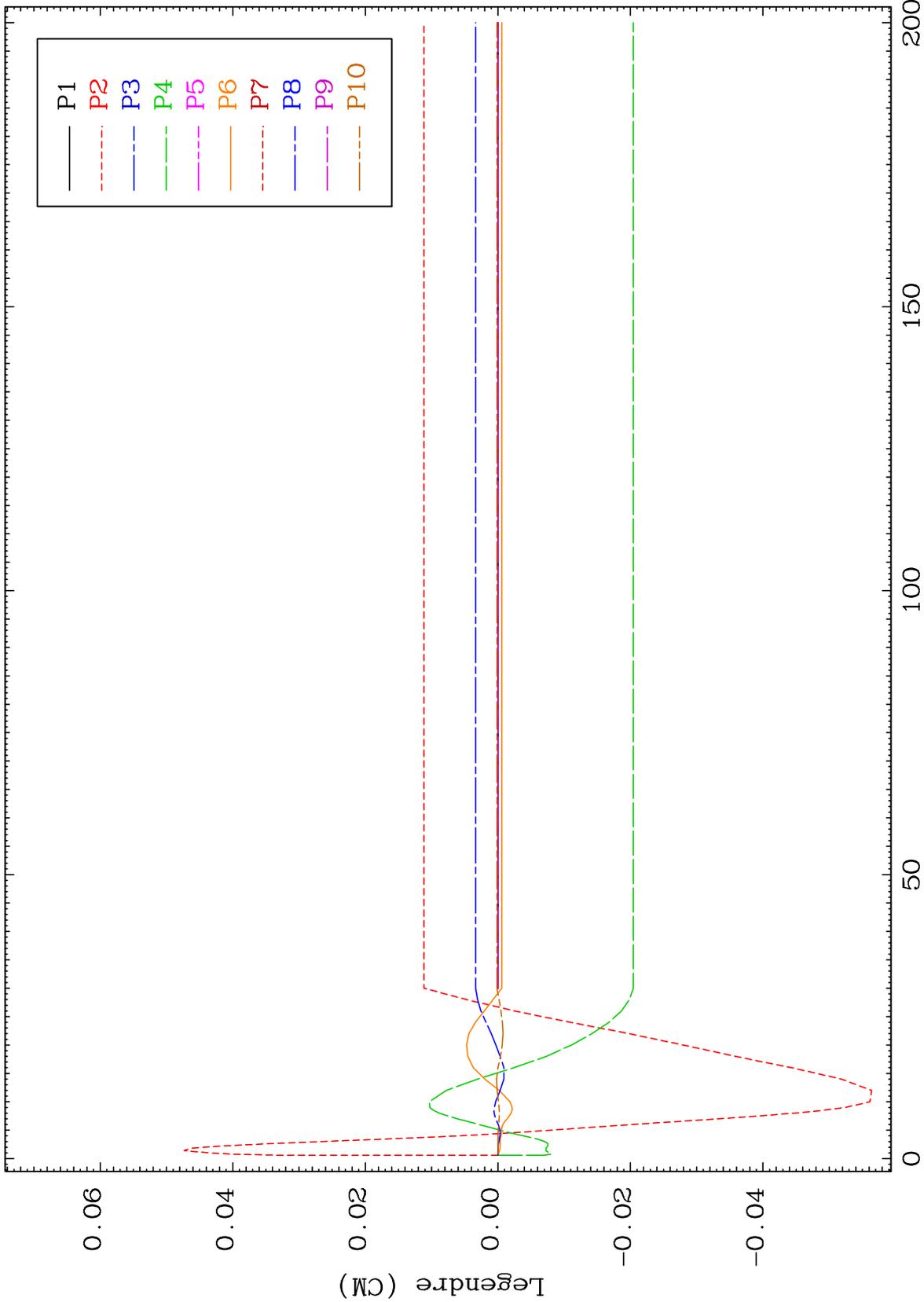




MAT 7740

576.5 keV (n,n') Level  
Legendre Coefficients

77-Ir-196



61

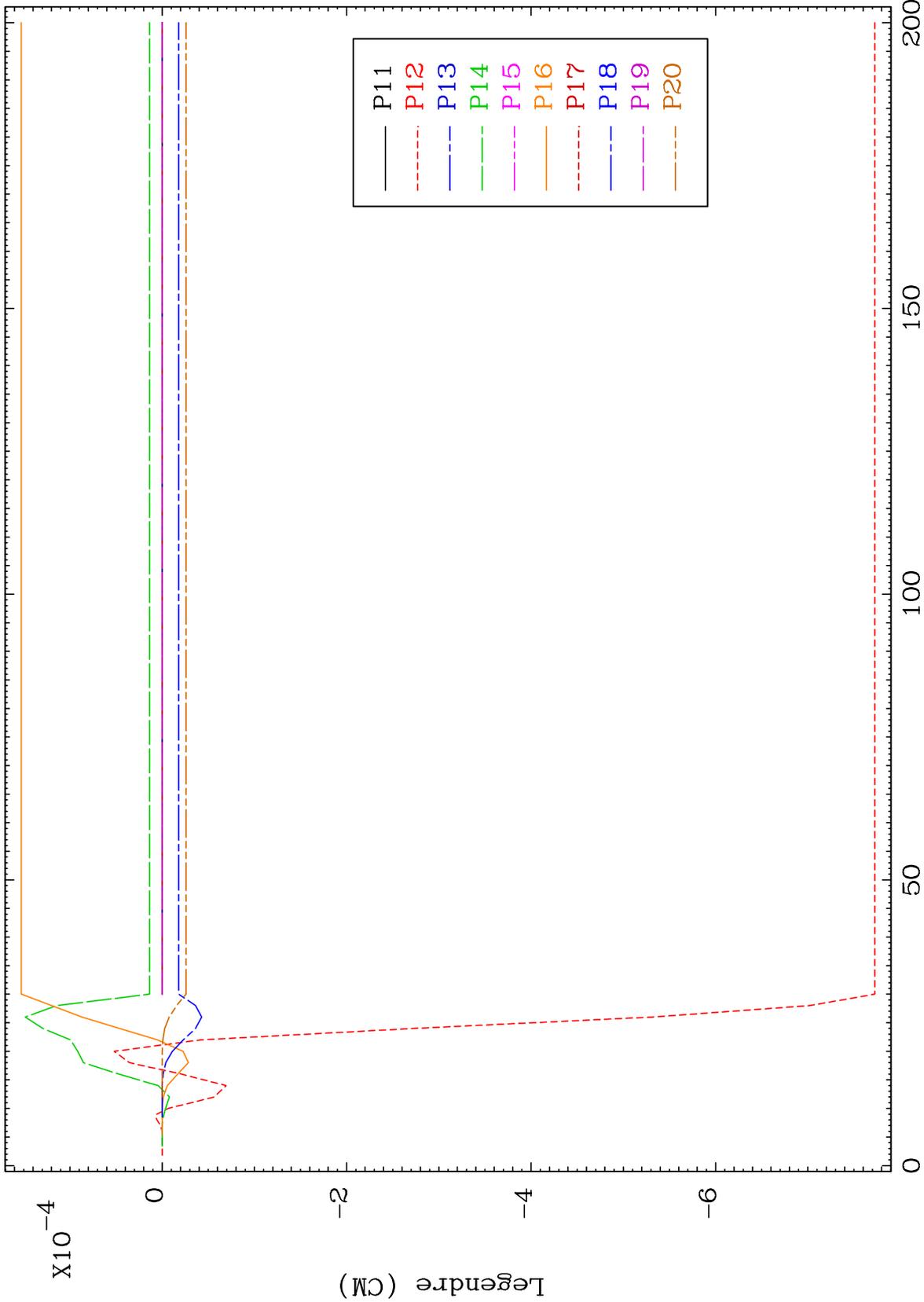
Incident Energy (MeV)

77-Ir-196

MAT 7740

576.5 keV (n,n') Level  
Legendre Coefficients

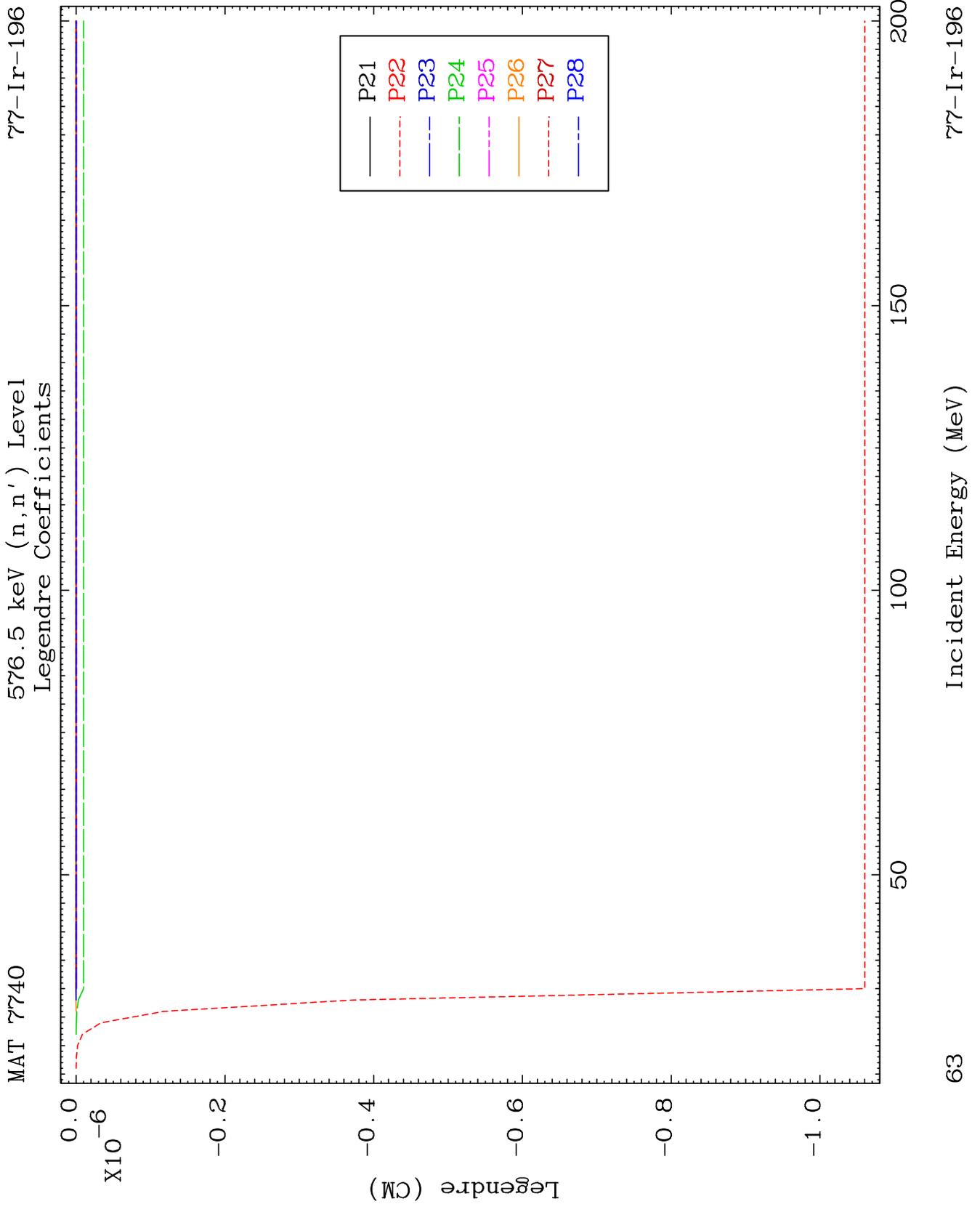
77-Ir-196



62

Incident Energy (MeV)

77-Ir-196

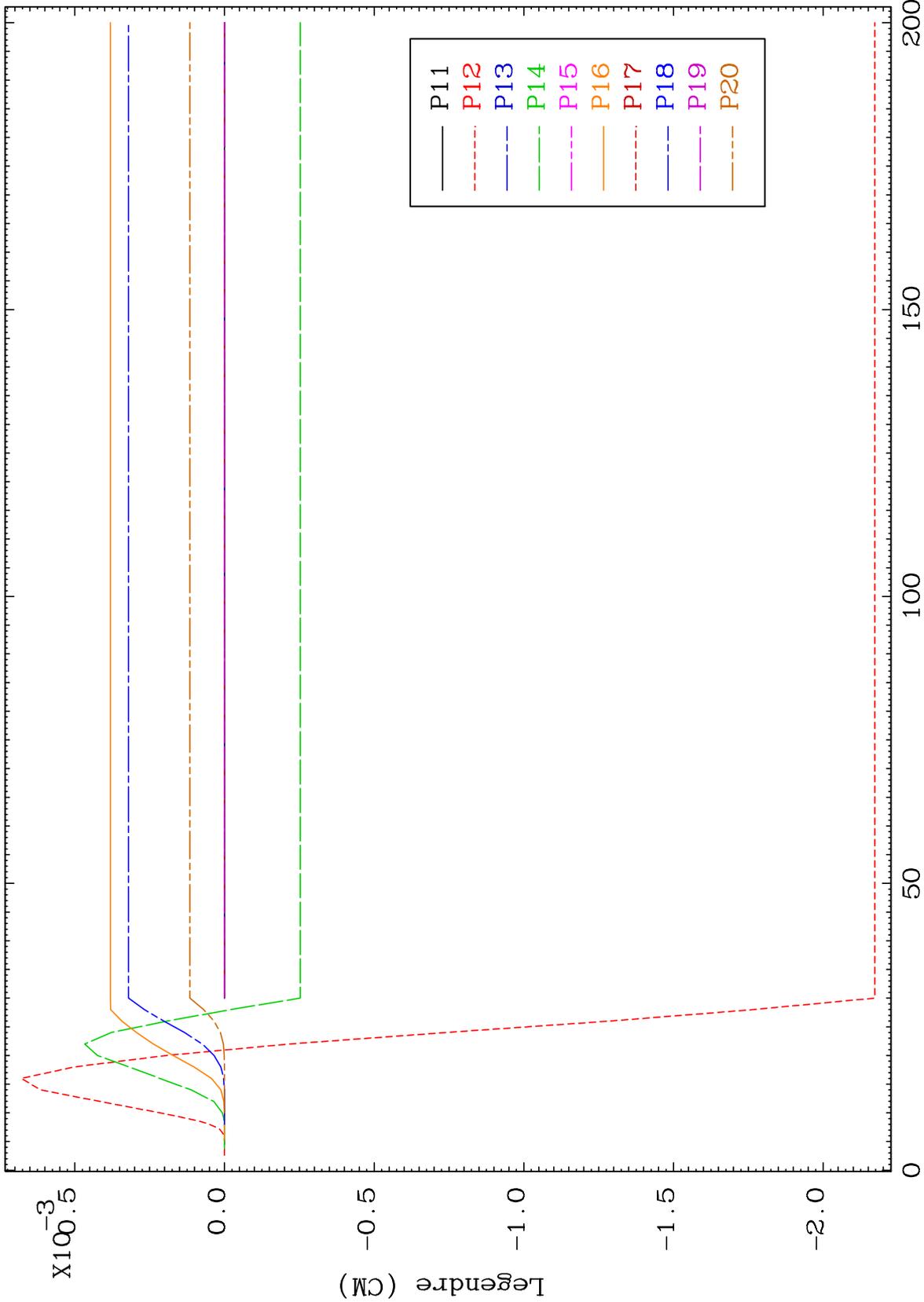




MAT 7740

591.2 keV (n,n') Level  
Legendre Coefficients

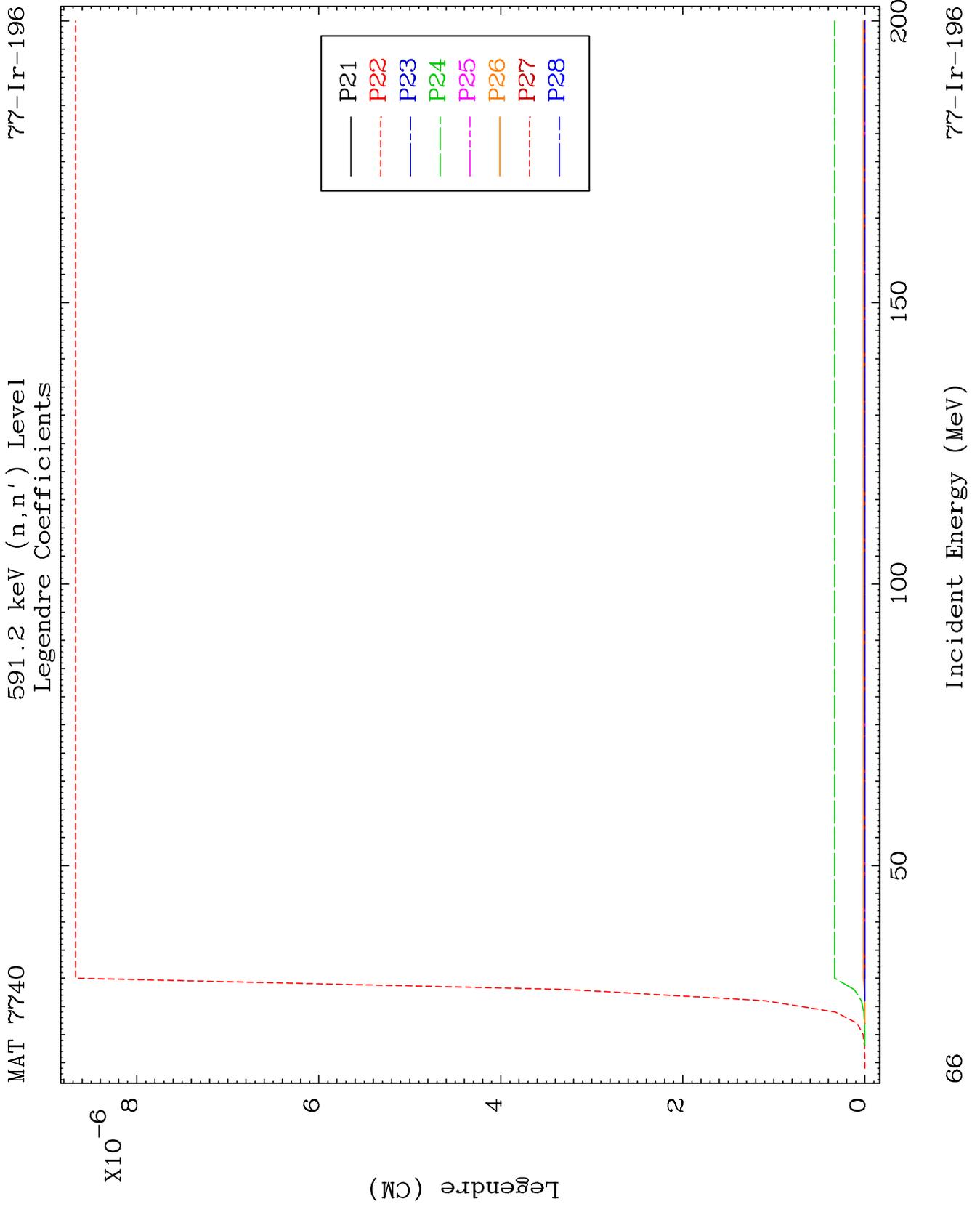
77-Ir-196



65

Incident Energy (MeV)

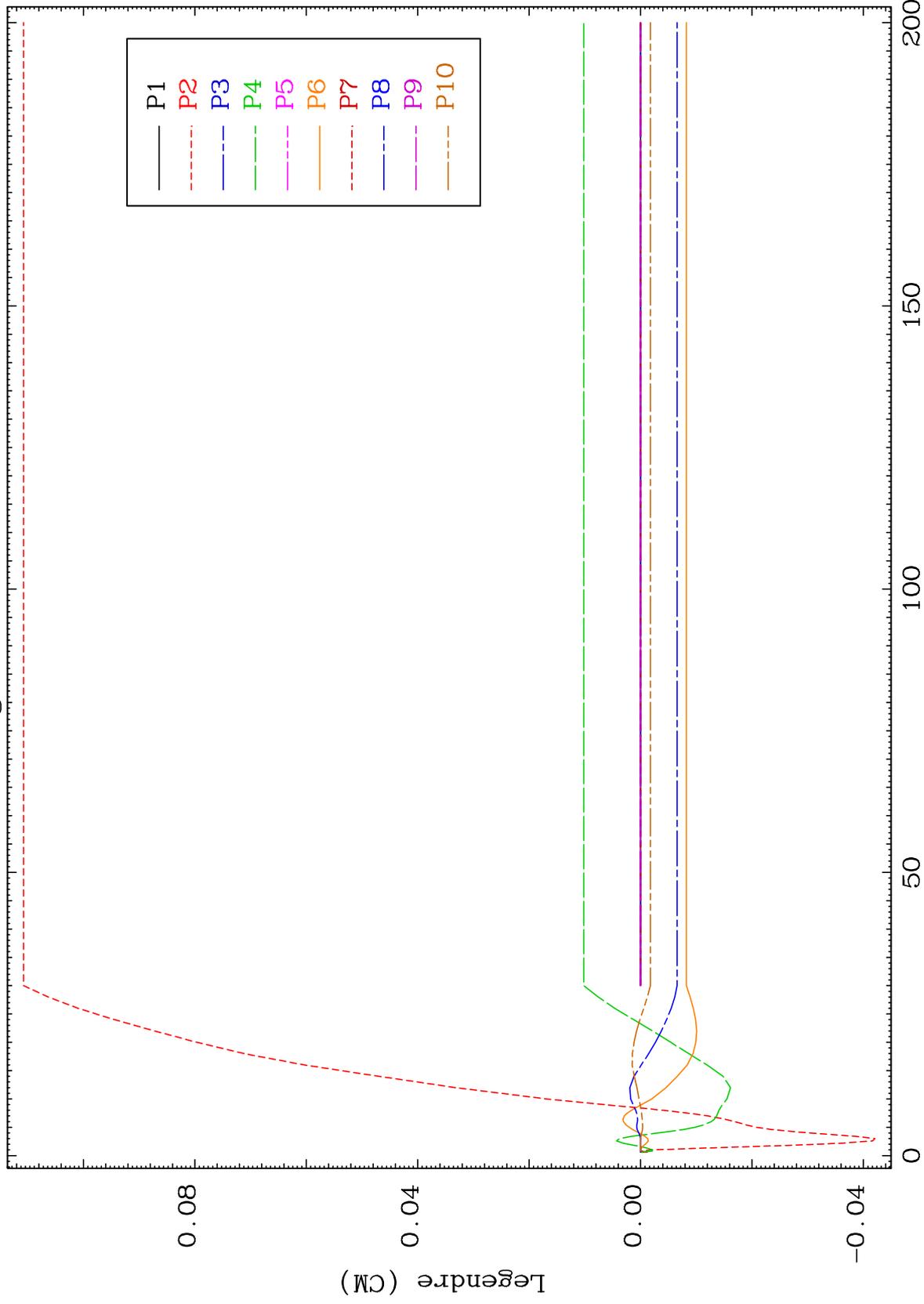
77-Ir-196



MAT 7740

594.6 keV (n,n') Level  
Legendre Coefficients

77-Ir-196



67

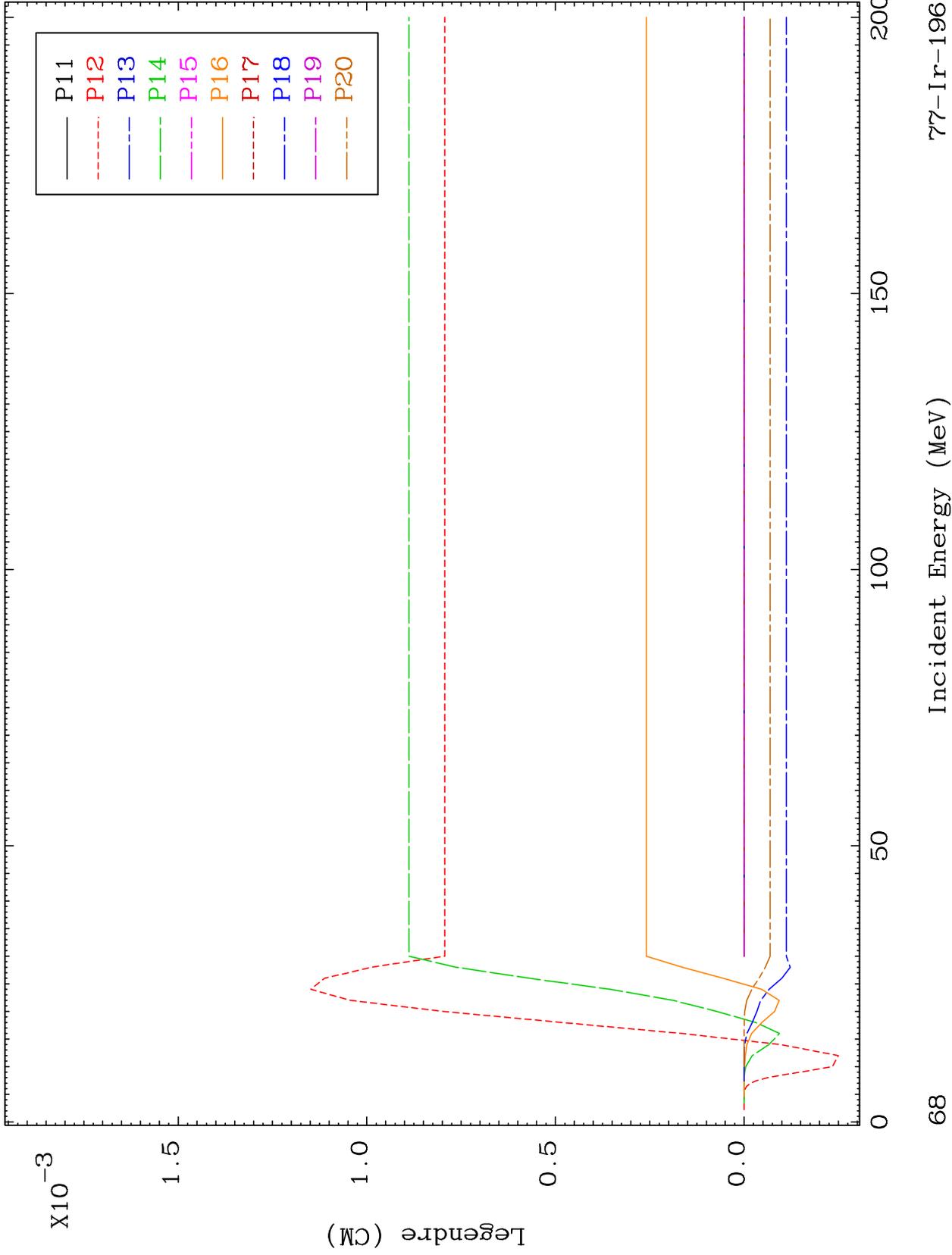
Incident Energy (MeV)

77-Ir-196

MAT 7740

594.6 keV (n,n') Level  
Legendre Coefficients

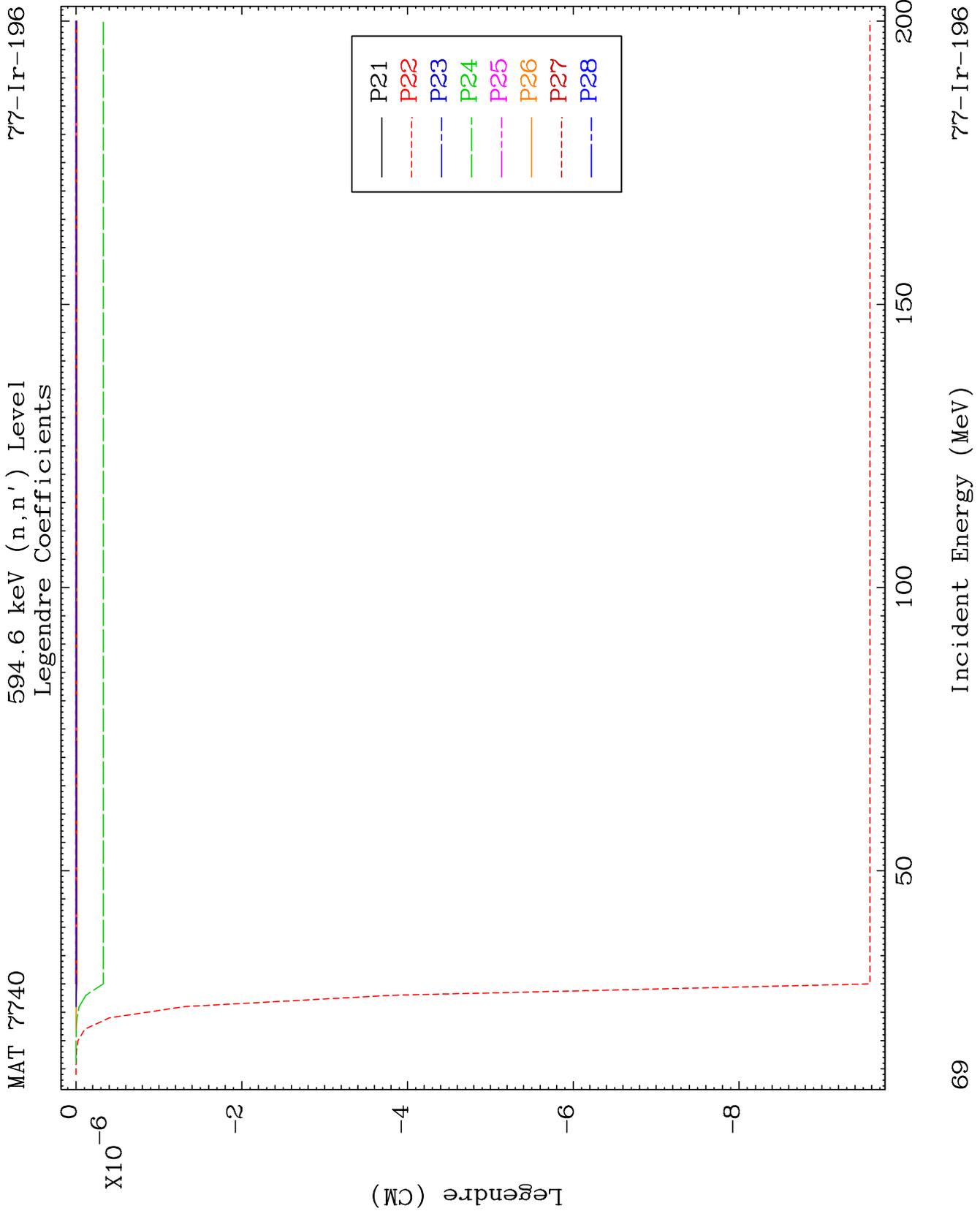
77-Ir-196

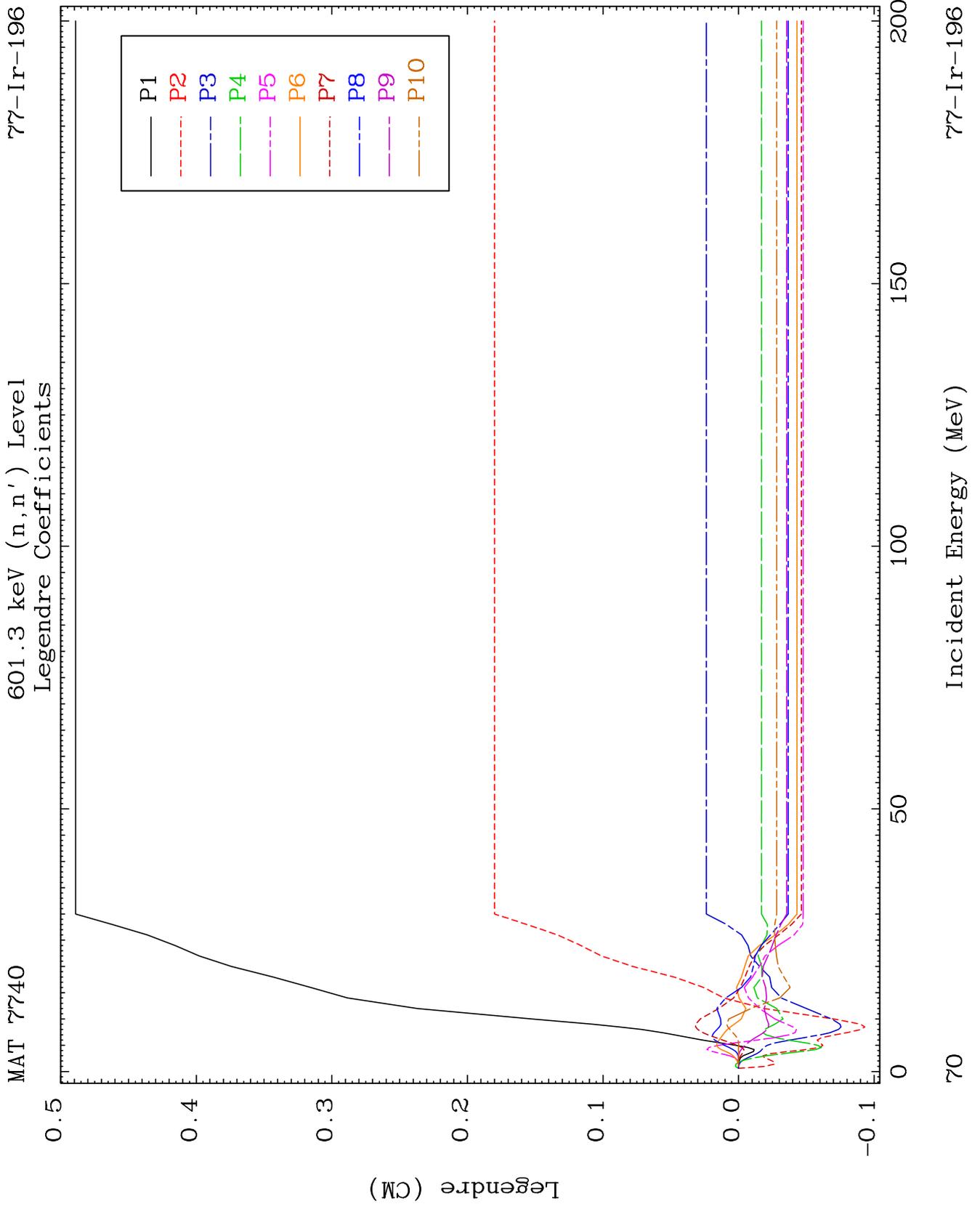


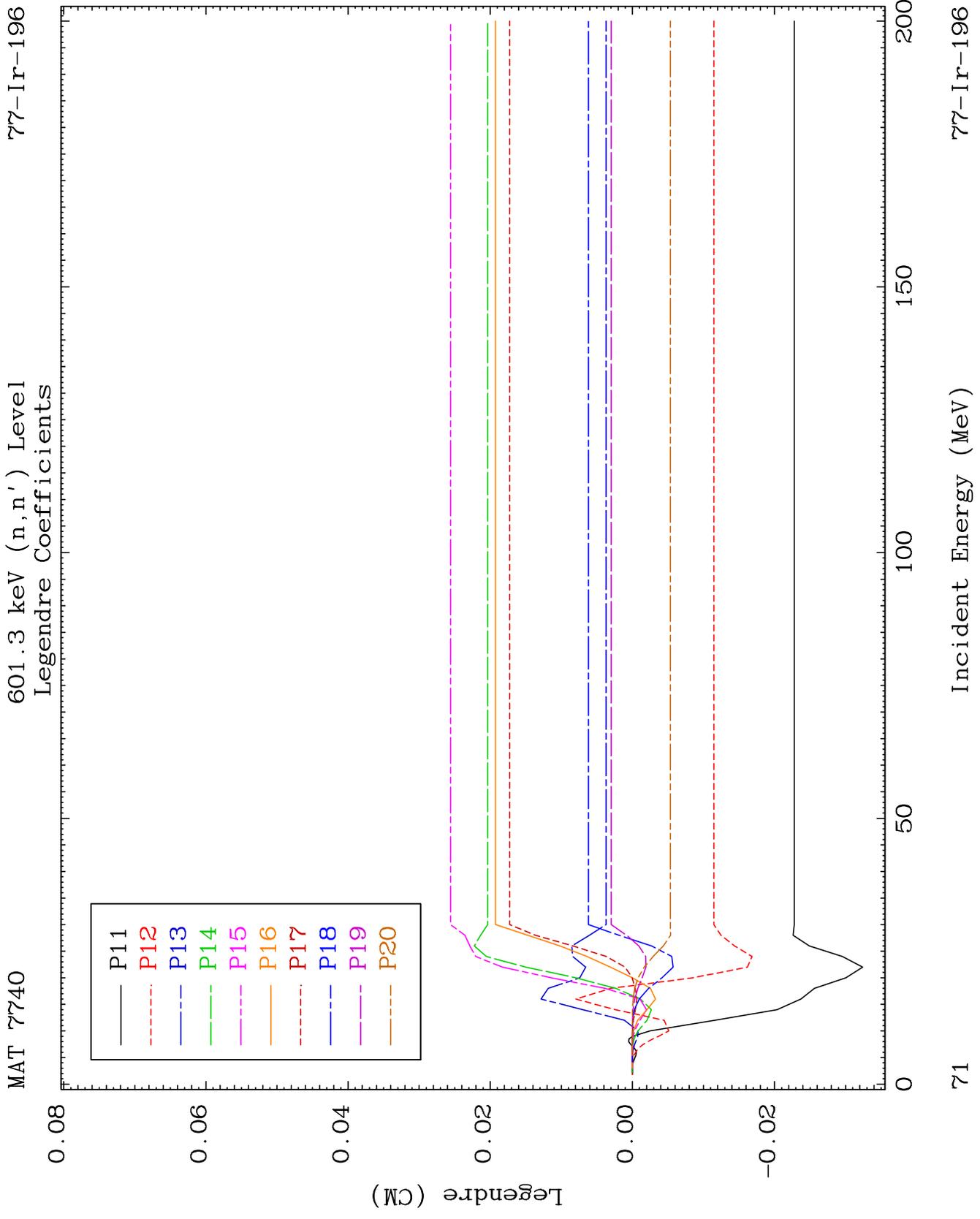
77-Ir-196

Incident Energy (MeV)

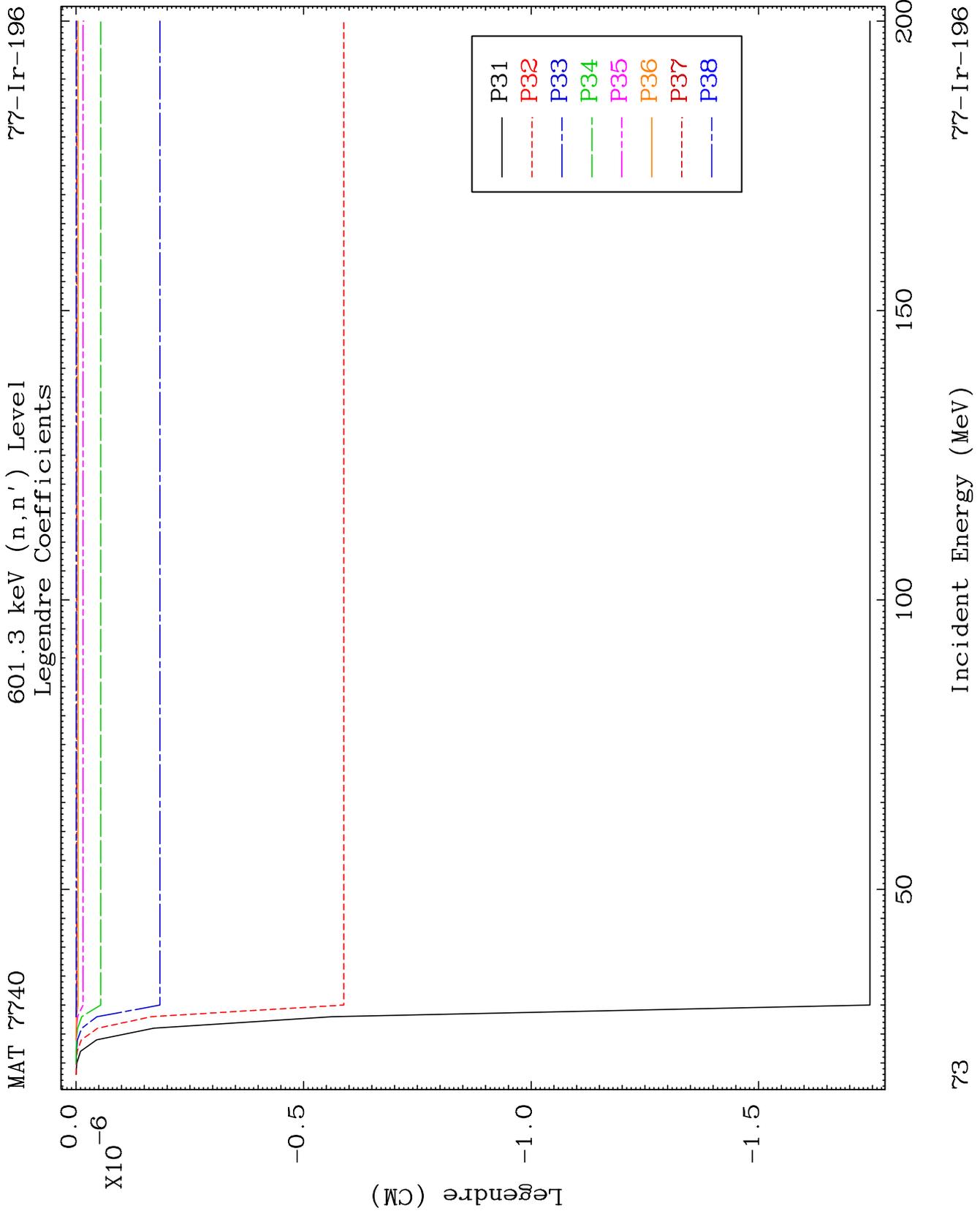
68







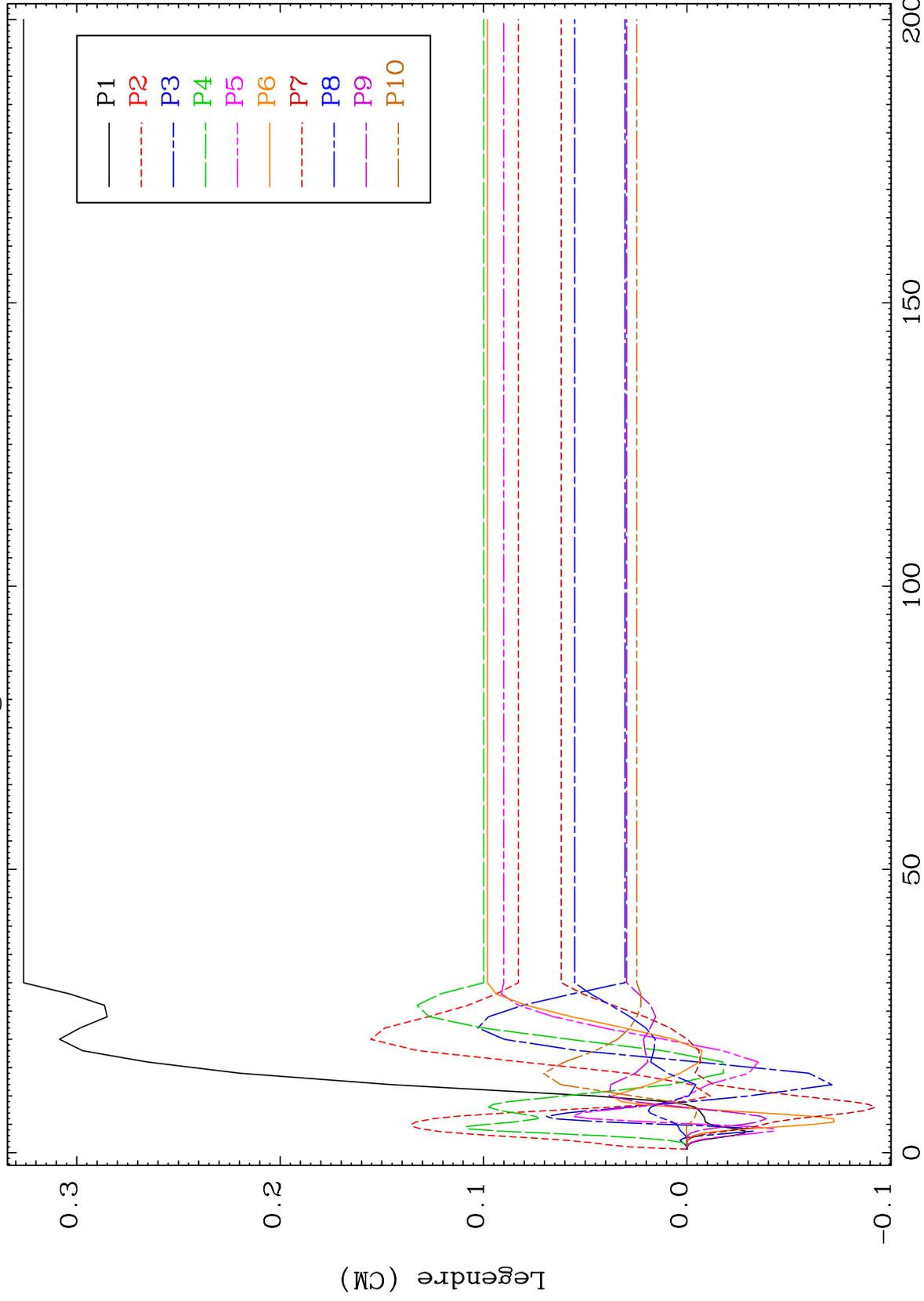




MAT 7740

606.2 keV (n,n') Level  
Legendre Coefficients

77-Ir-196



74

Incident Energy (MeV)

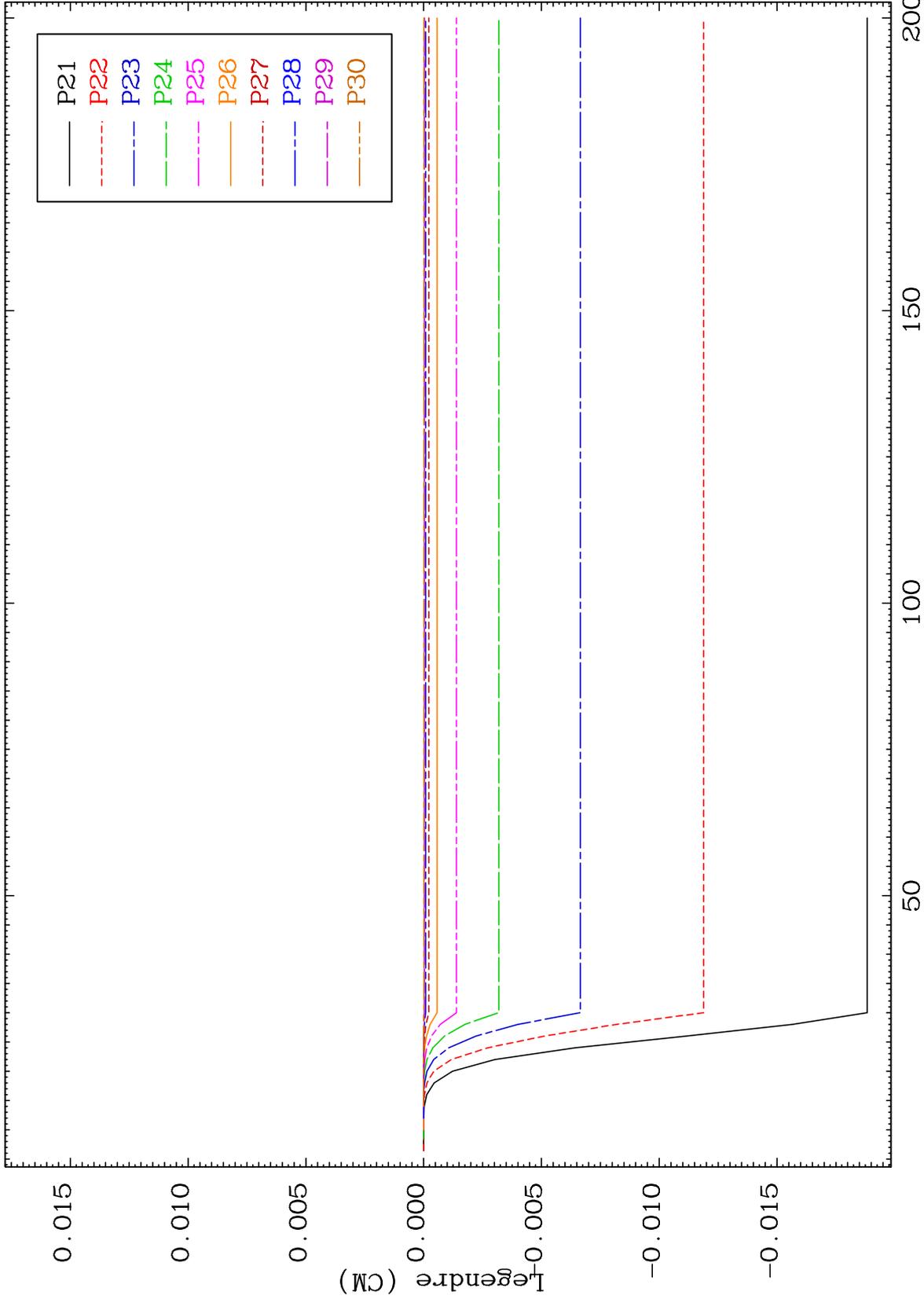
77-Ir-196



MAT 7740

606.2 keV (n,n') Level  
Legendre Coefficients

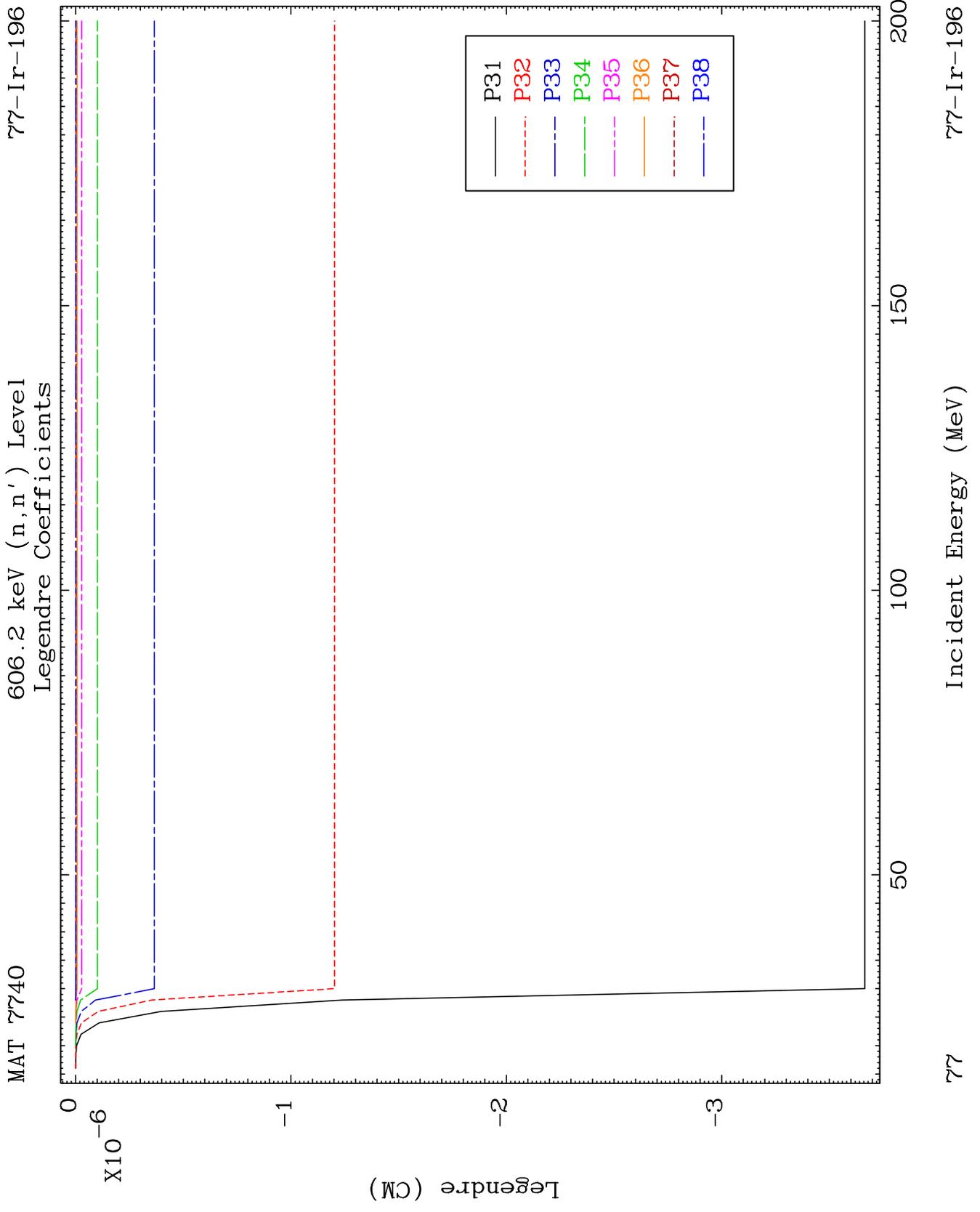
77-Ir-196



76

Incident Energy (MeV)

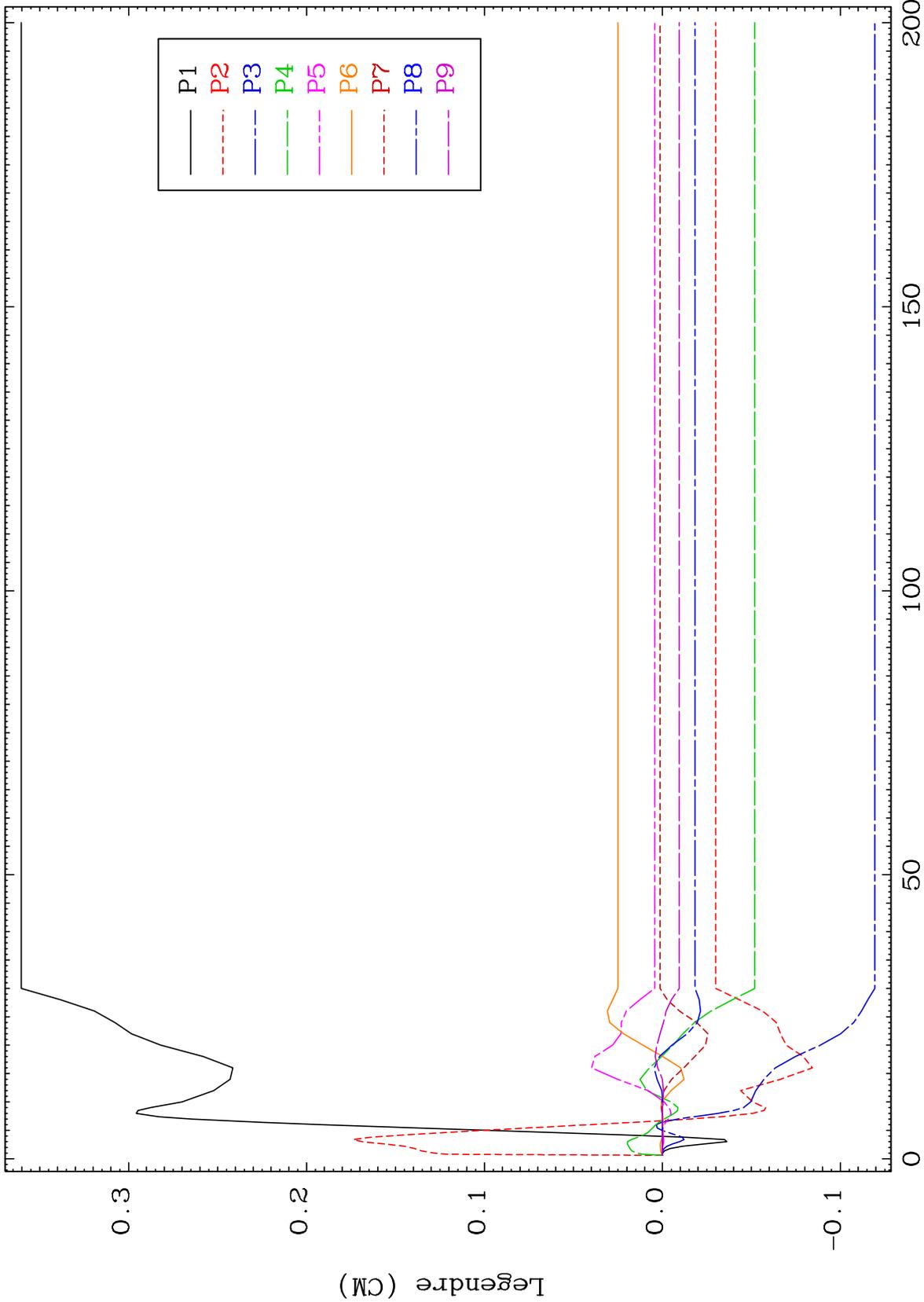
77-Ir-196



MAT 7740

608.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-196



78

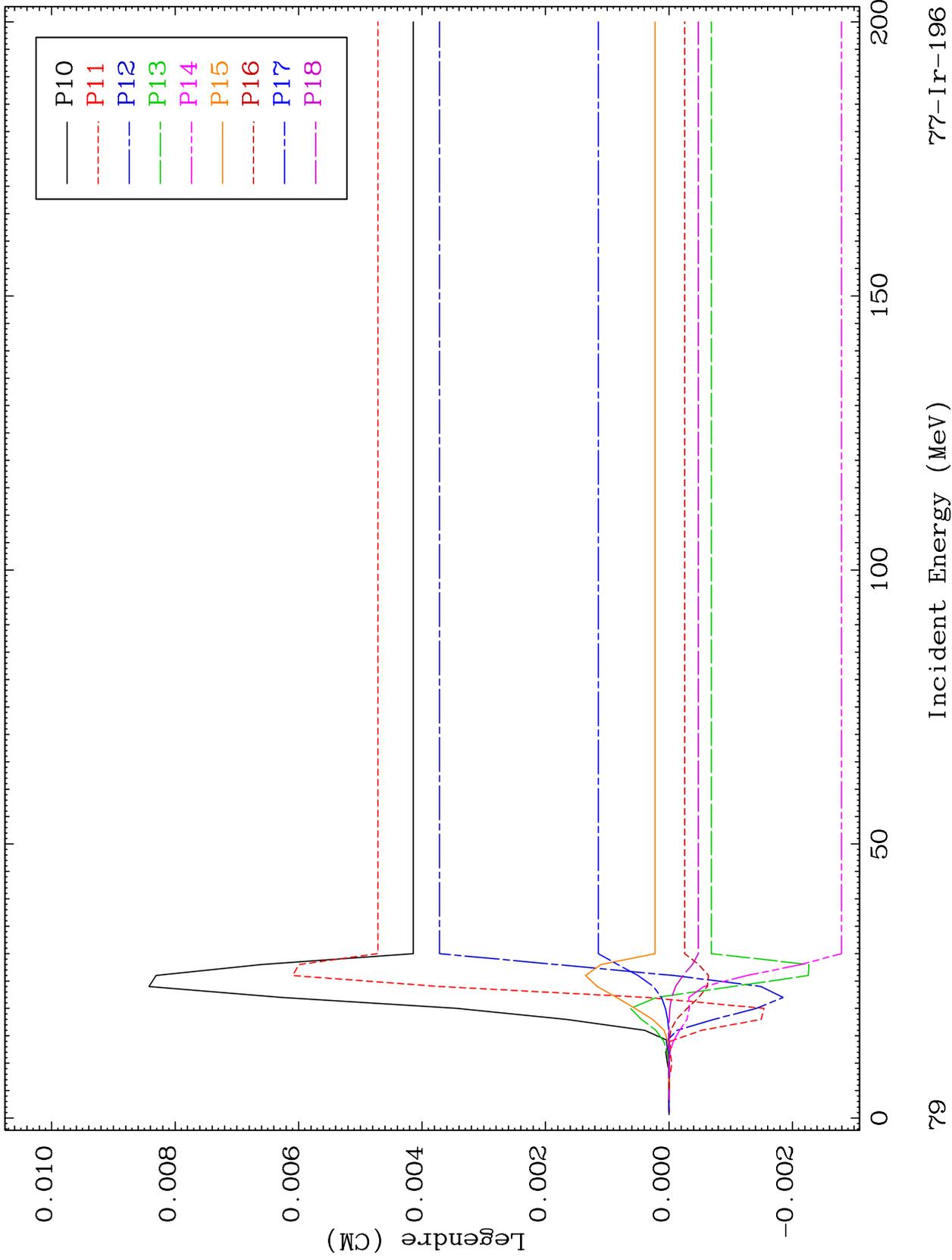
Incident Energy (MeV)

77-Ir-196

MAT 7740

608.8 keV (n,n') Level  
Legendre Coefficients

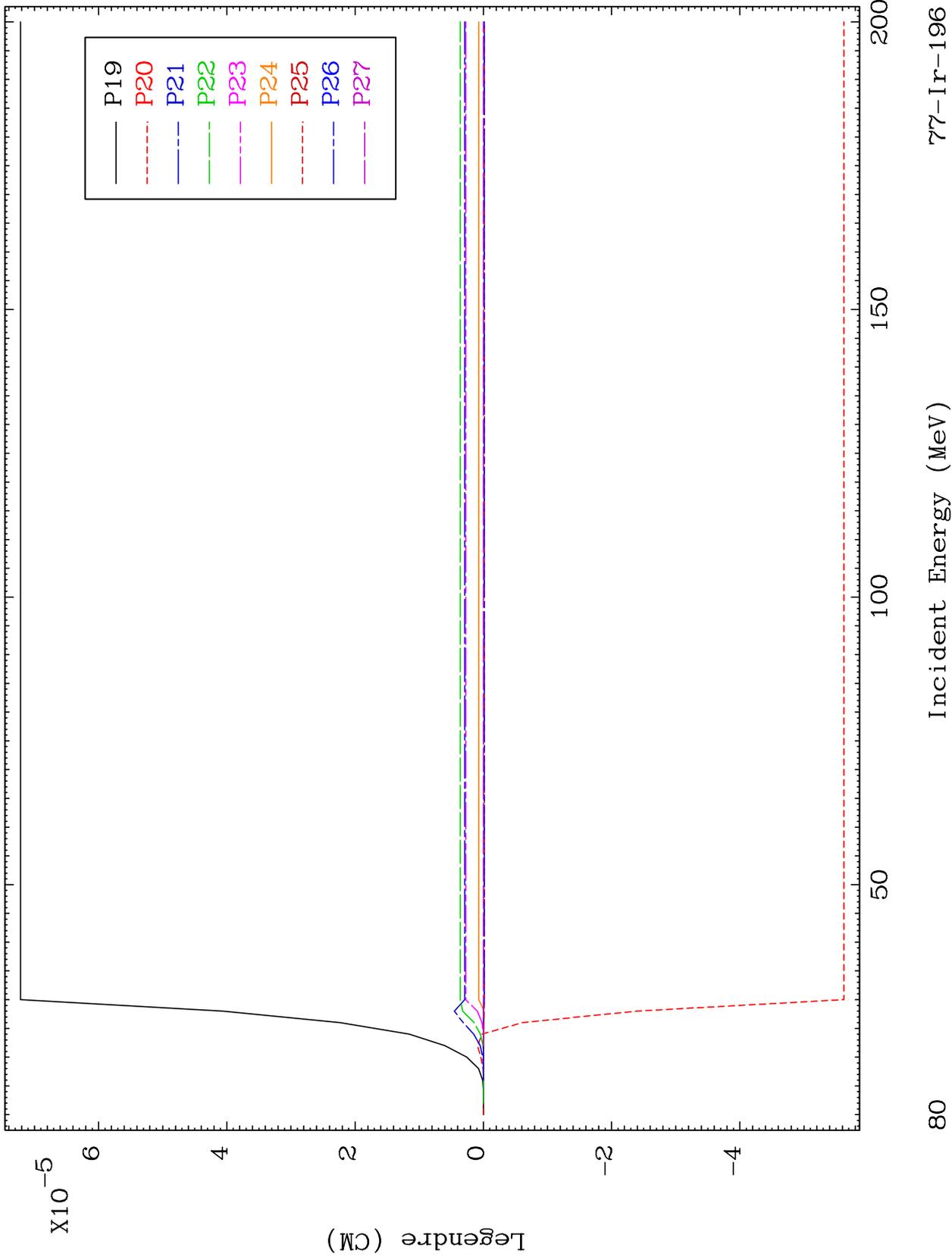
77-Ir-196

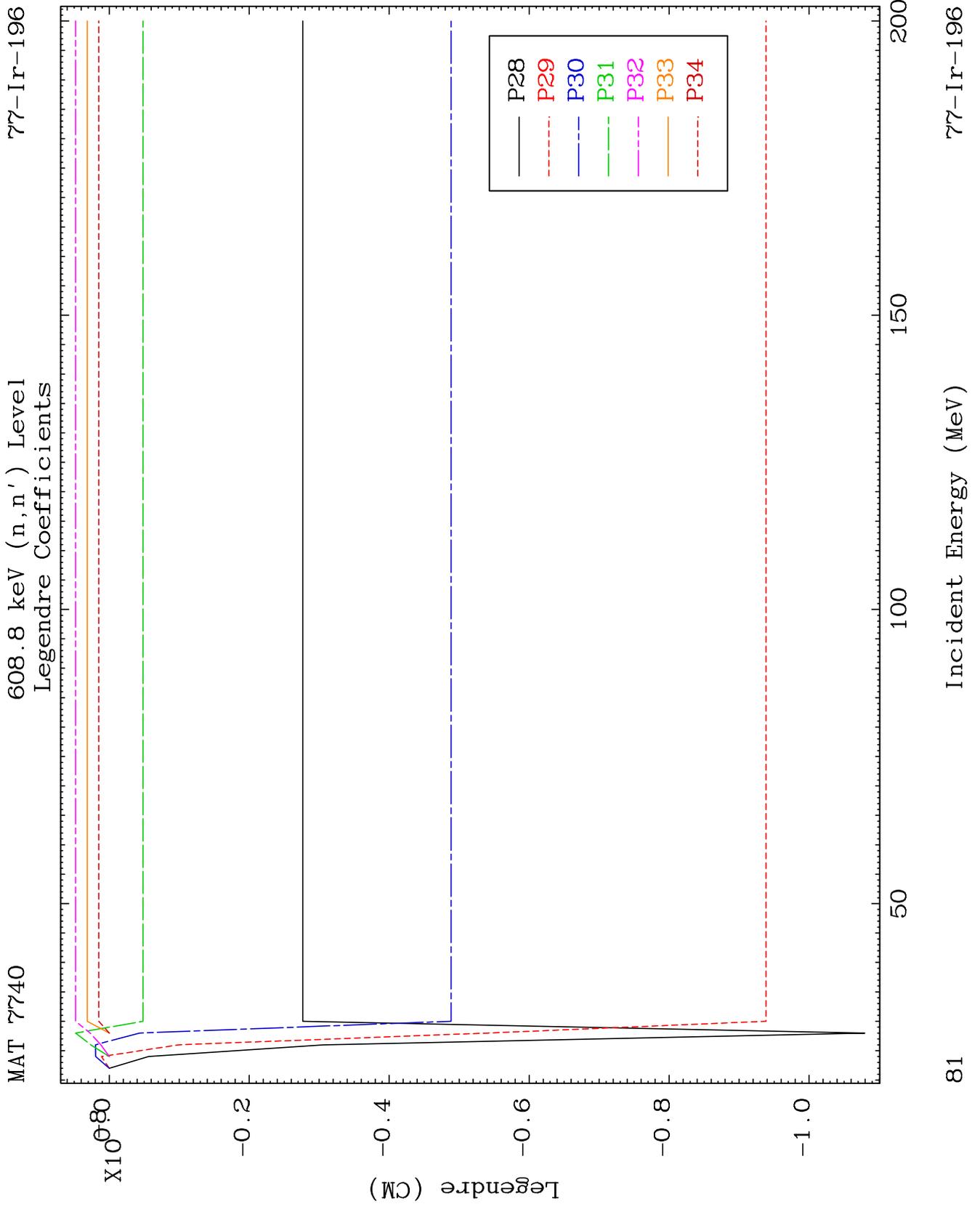


MAT 7740

608.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-196

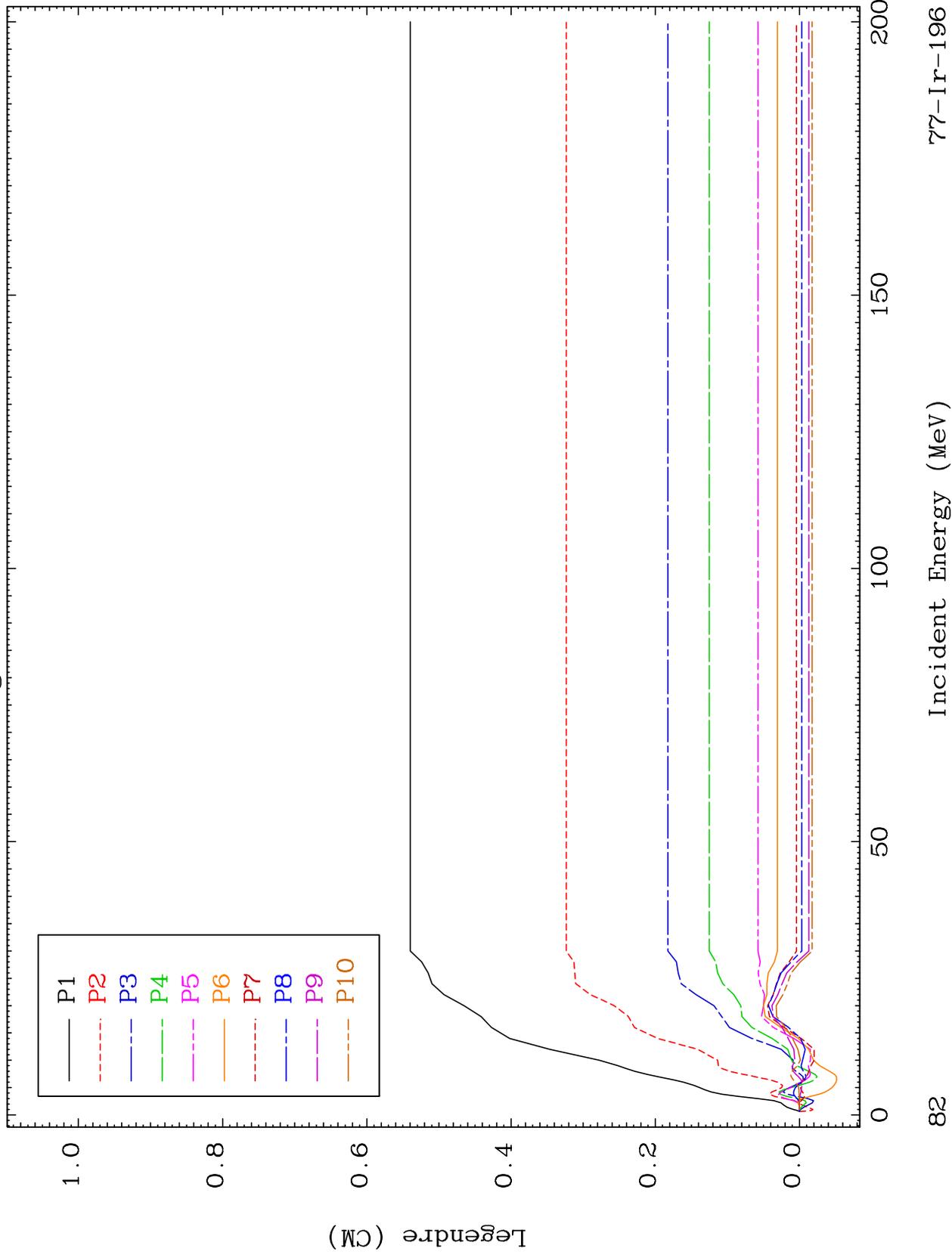




MAT 7740

612.7 keV (n,n') Level  
Legendre Coefficients

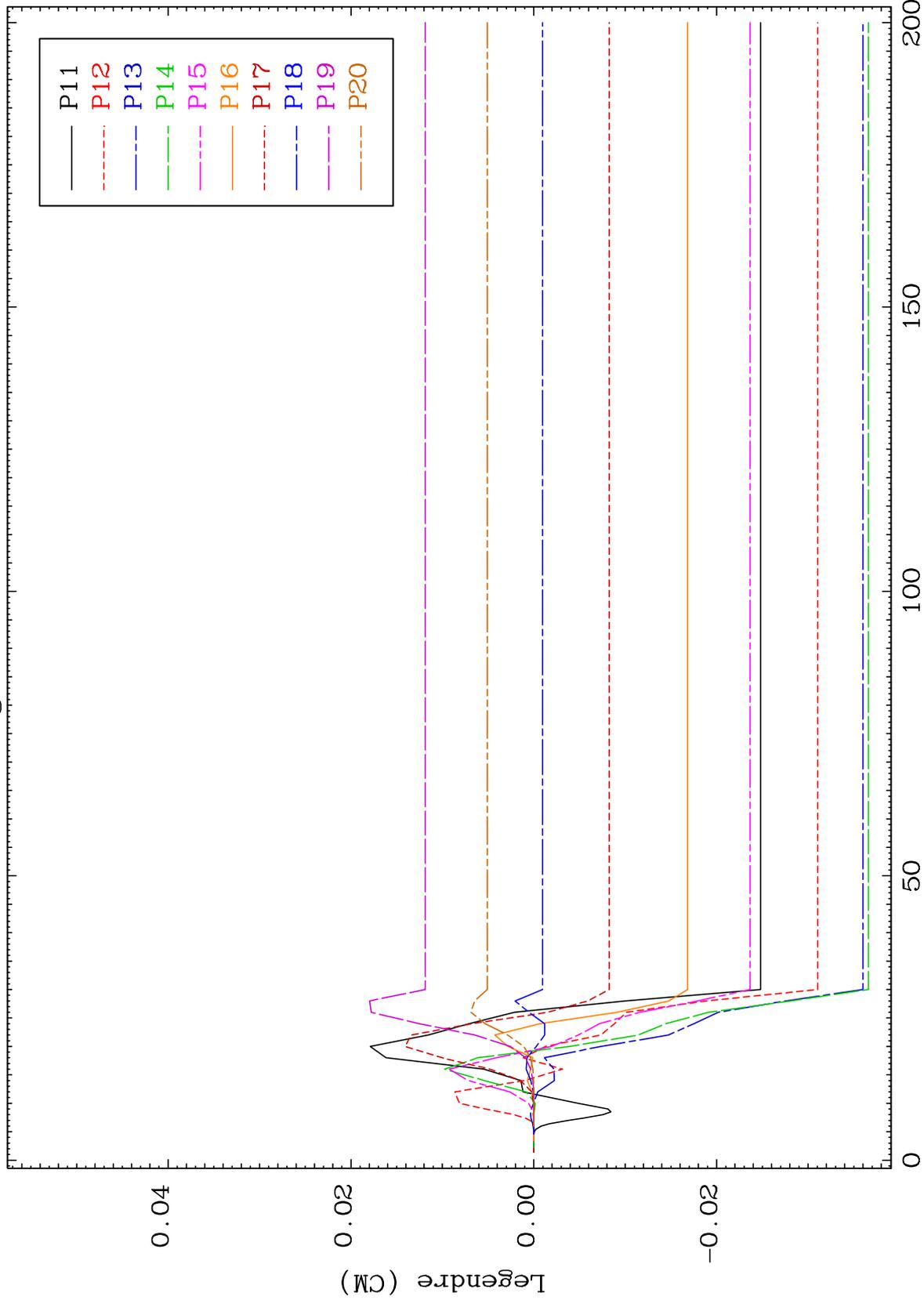
77-Ir-196

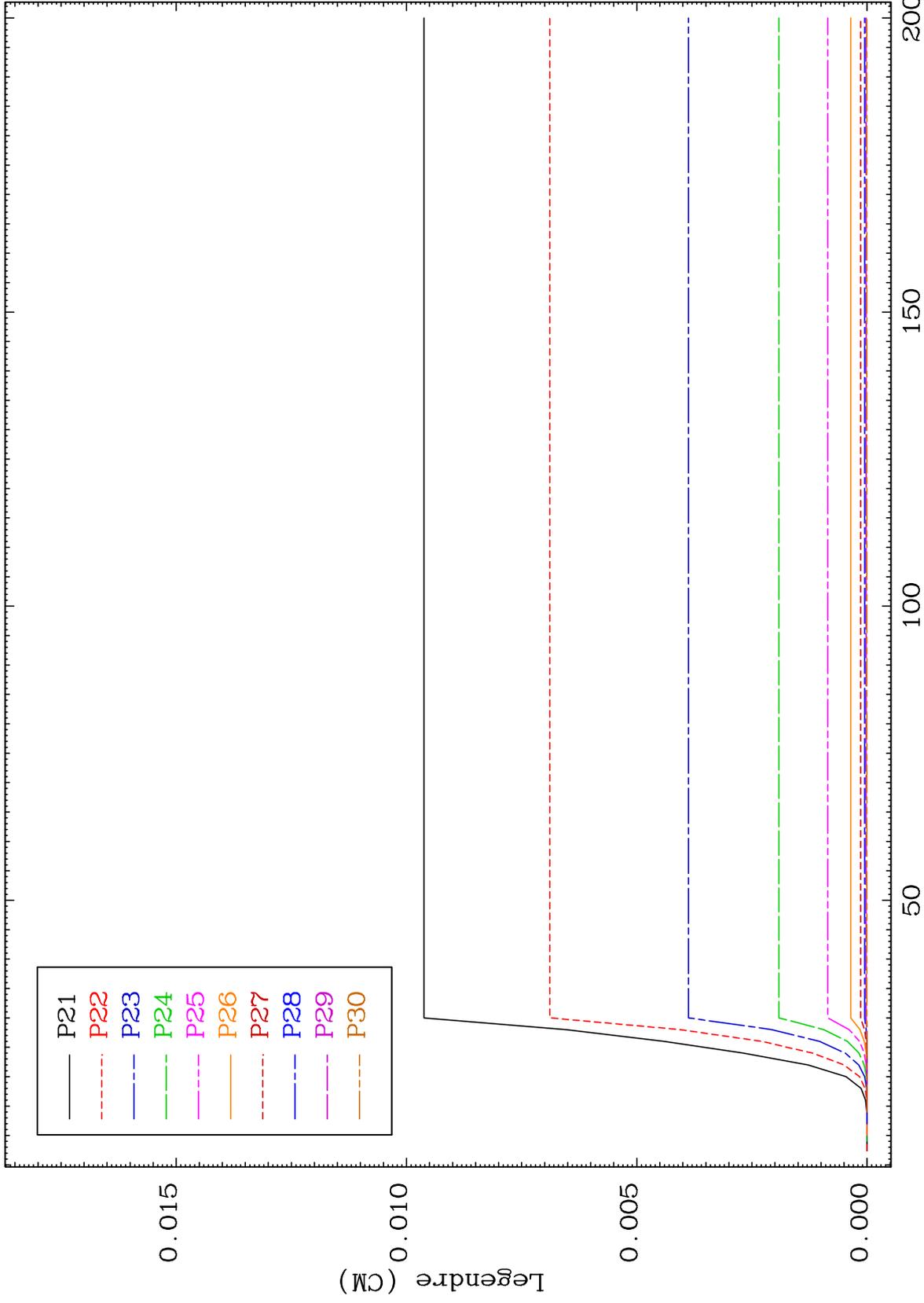


77-Ir-196

Incident Energy (MeV)

82

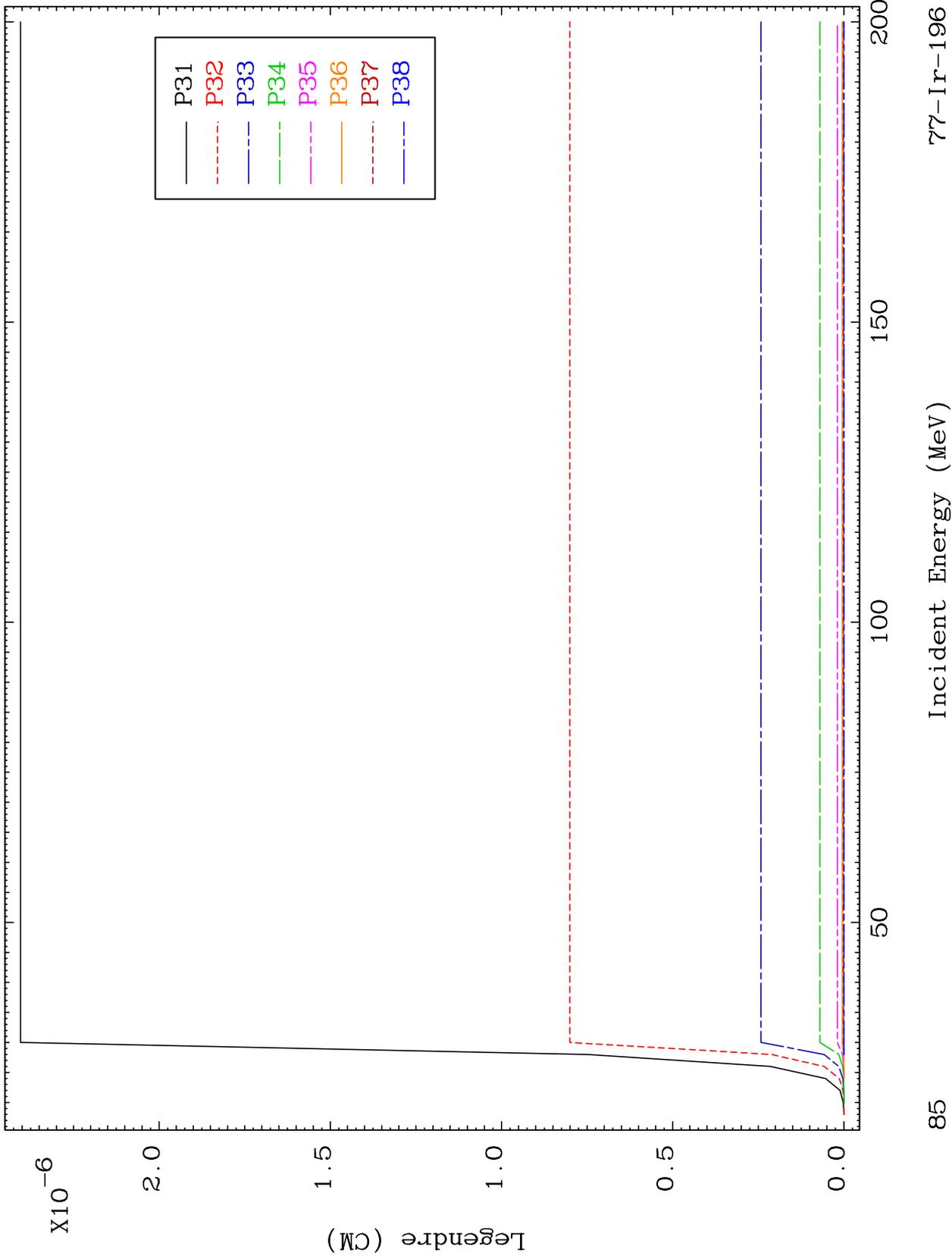




MAT 7740

612.7 keV (n,n') Level  
Legendre Coefficients

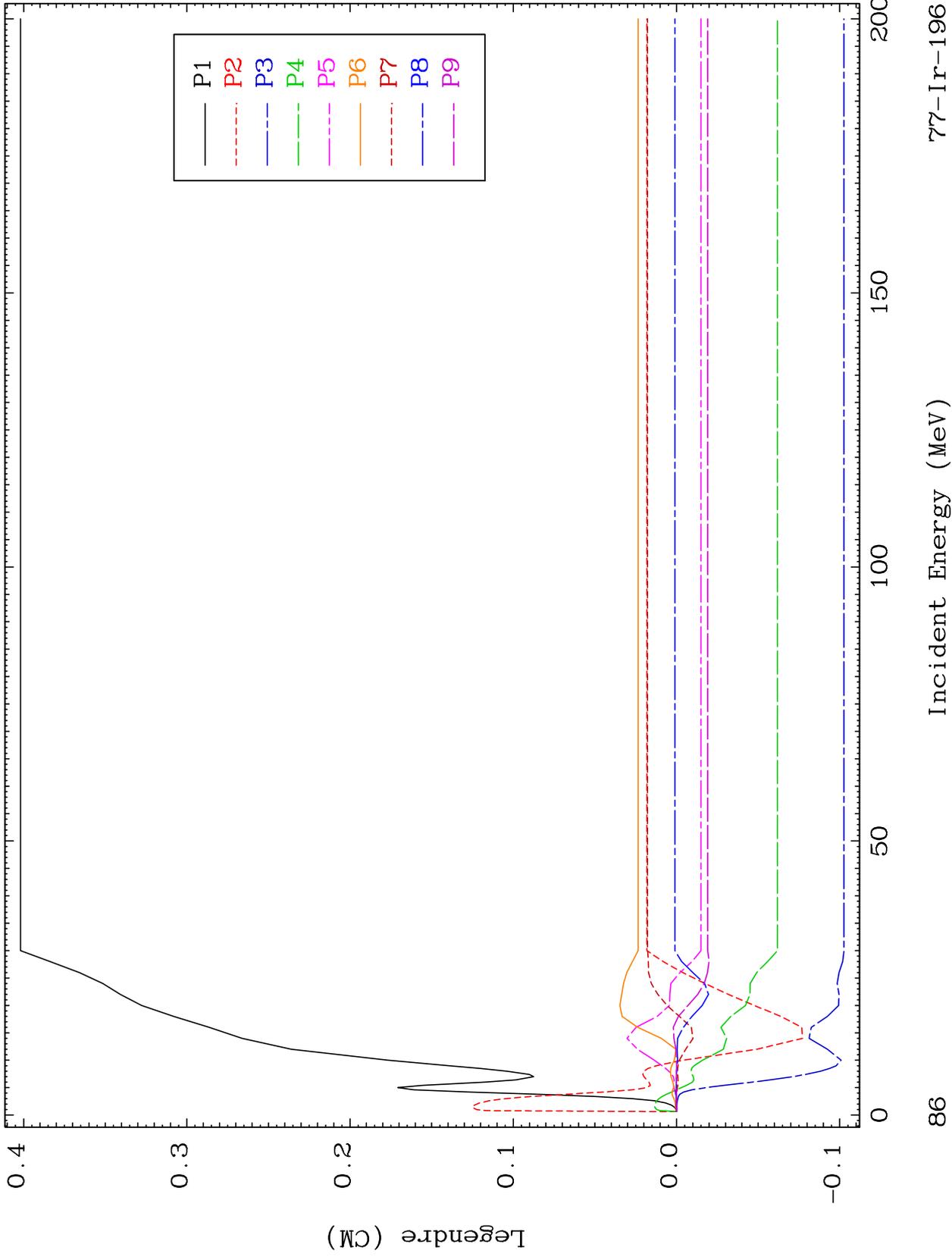
77-Ir-196



85

Incident Energy (MeV)

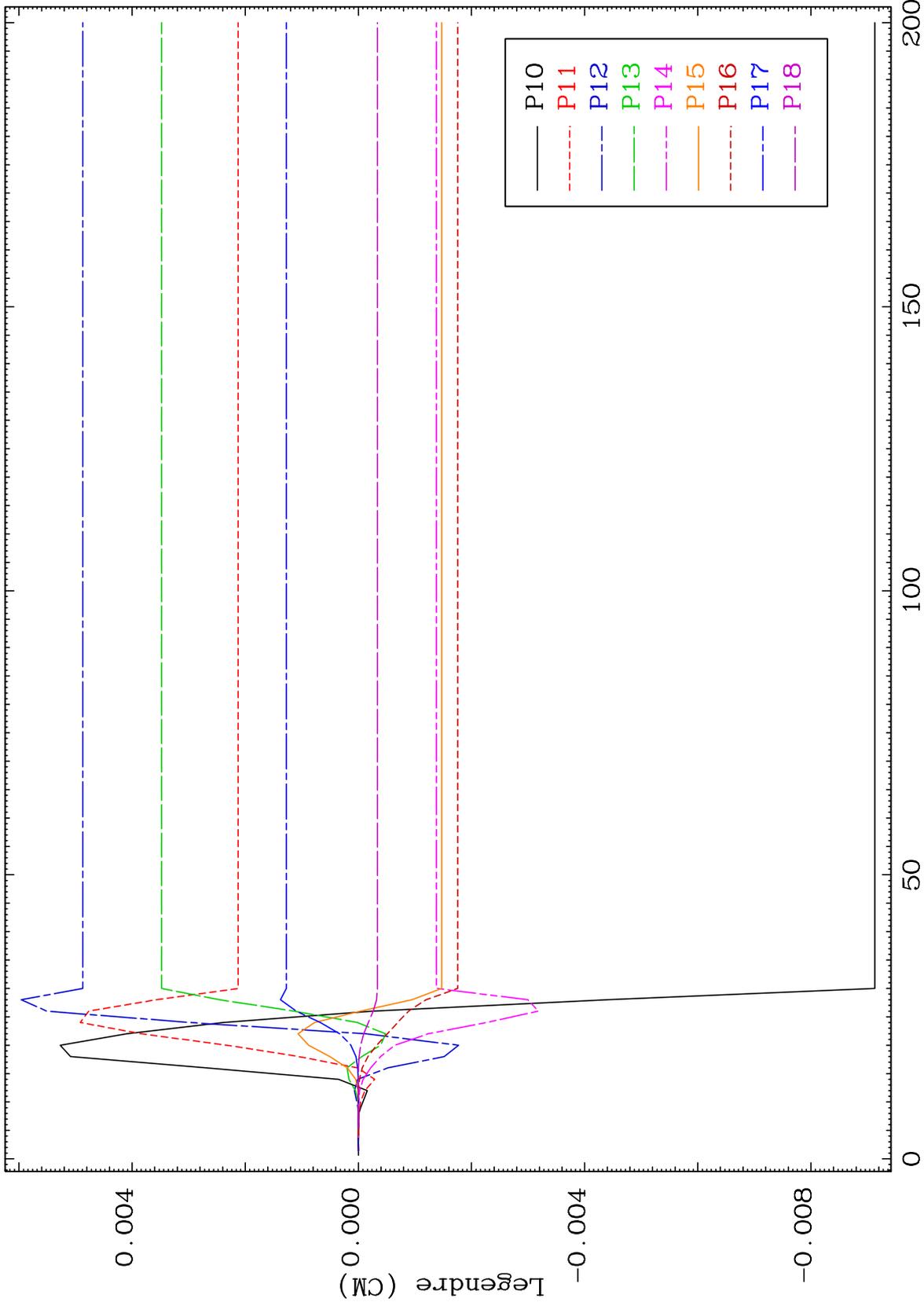
77-Ir-196



MAT 7740

615.7 keV (n,n') Level  
Legendre Coefficients

77-Ir-196



87

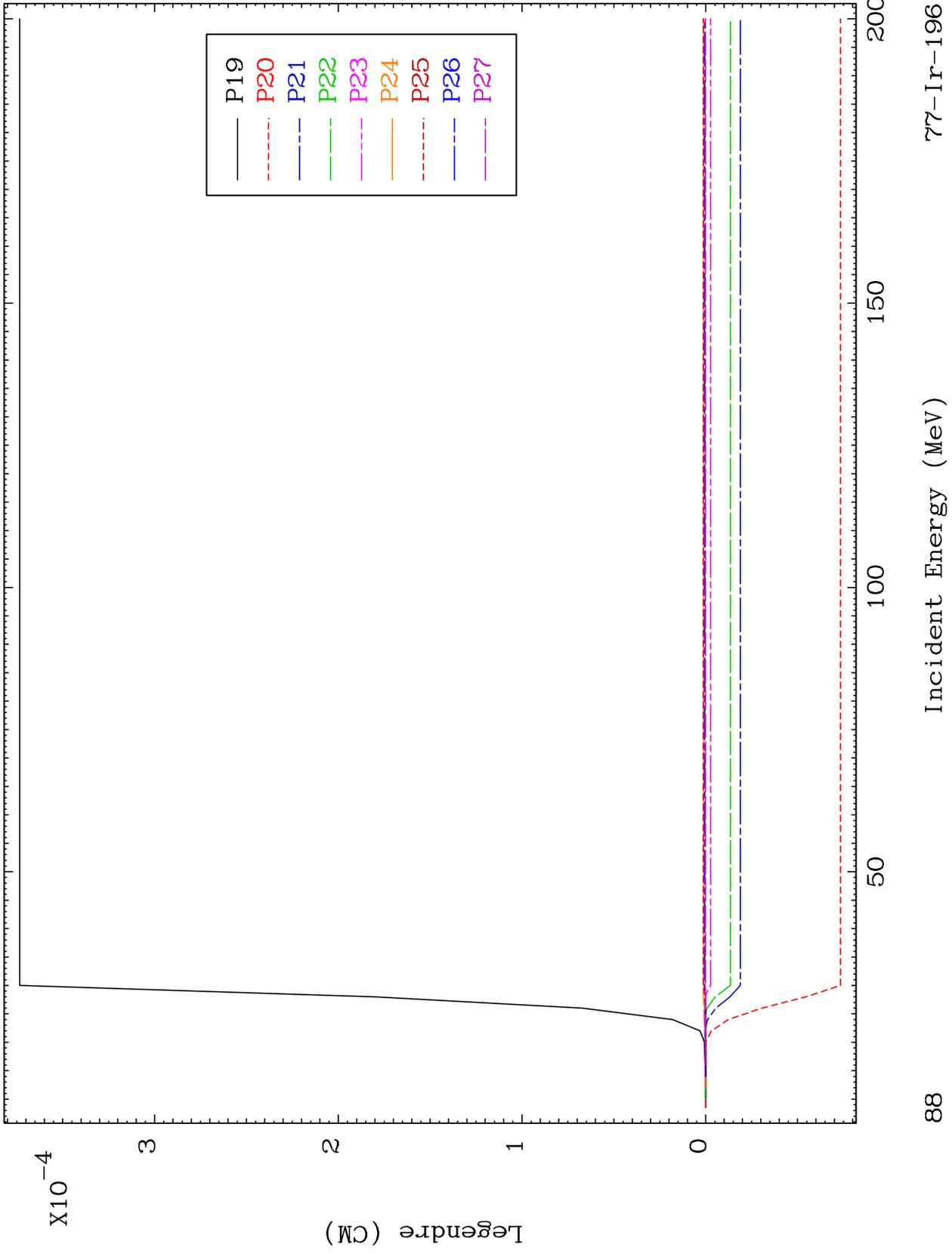
Incident Energy (MeV)

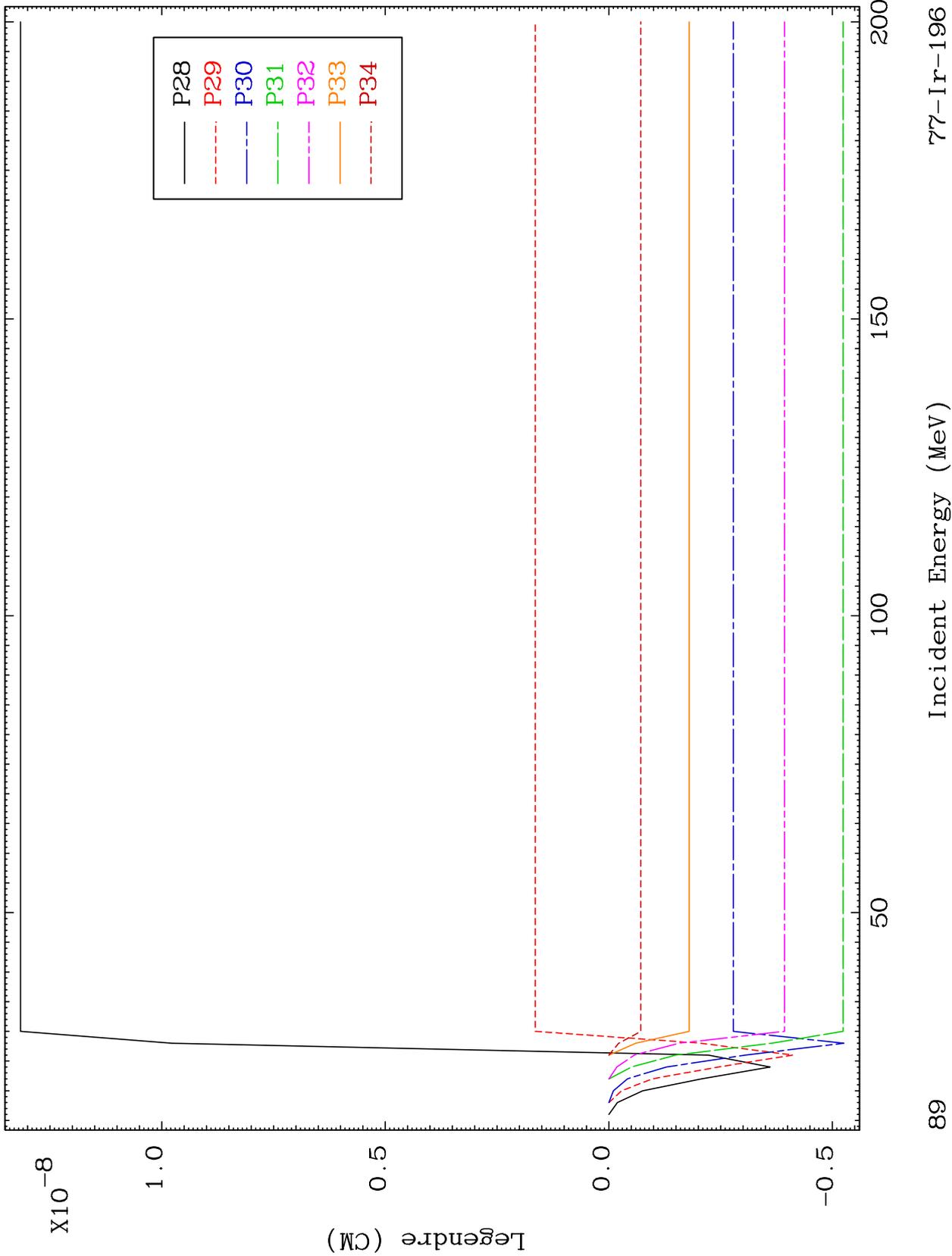
77-Ir-196

MAT 7740

615.7 keV (n,n') Level  
Legendre Coefficients

77-Ir-196

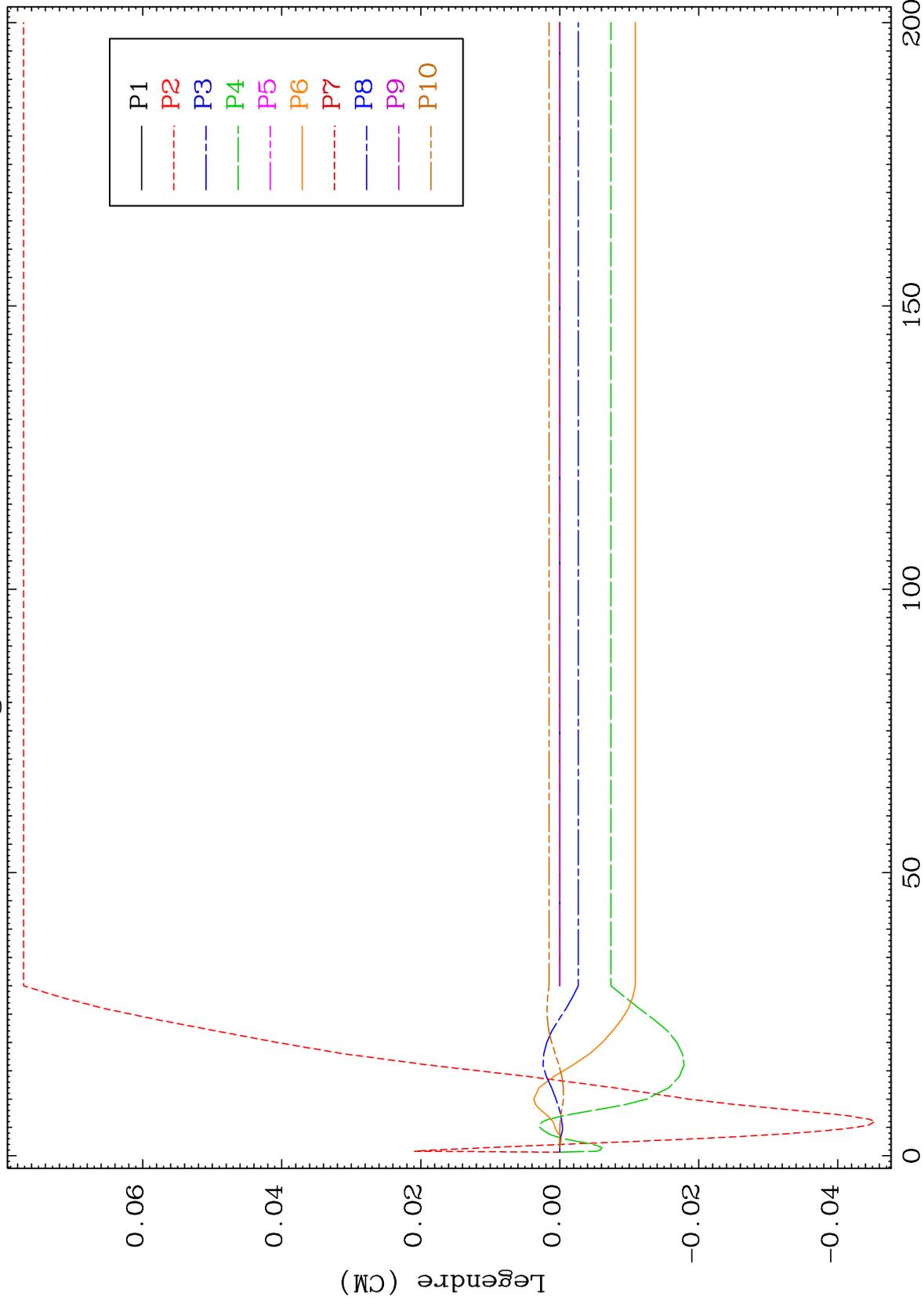




MAT 7740

620.6 keV (n,n') Level  
Legendre Coefficients

77-Ir-196

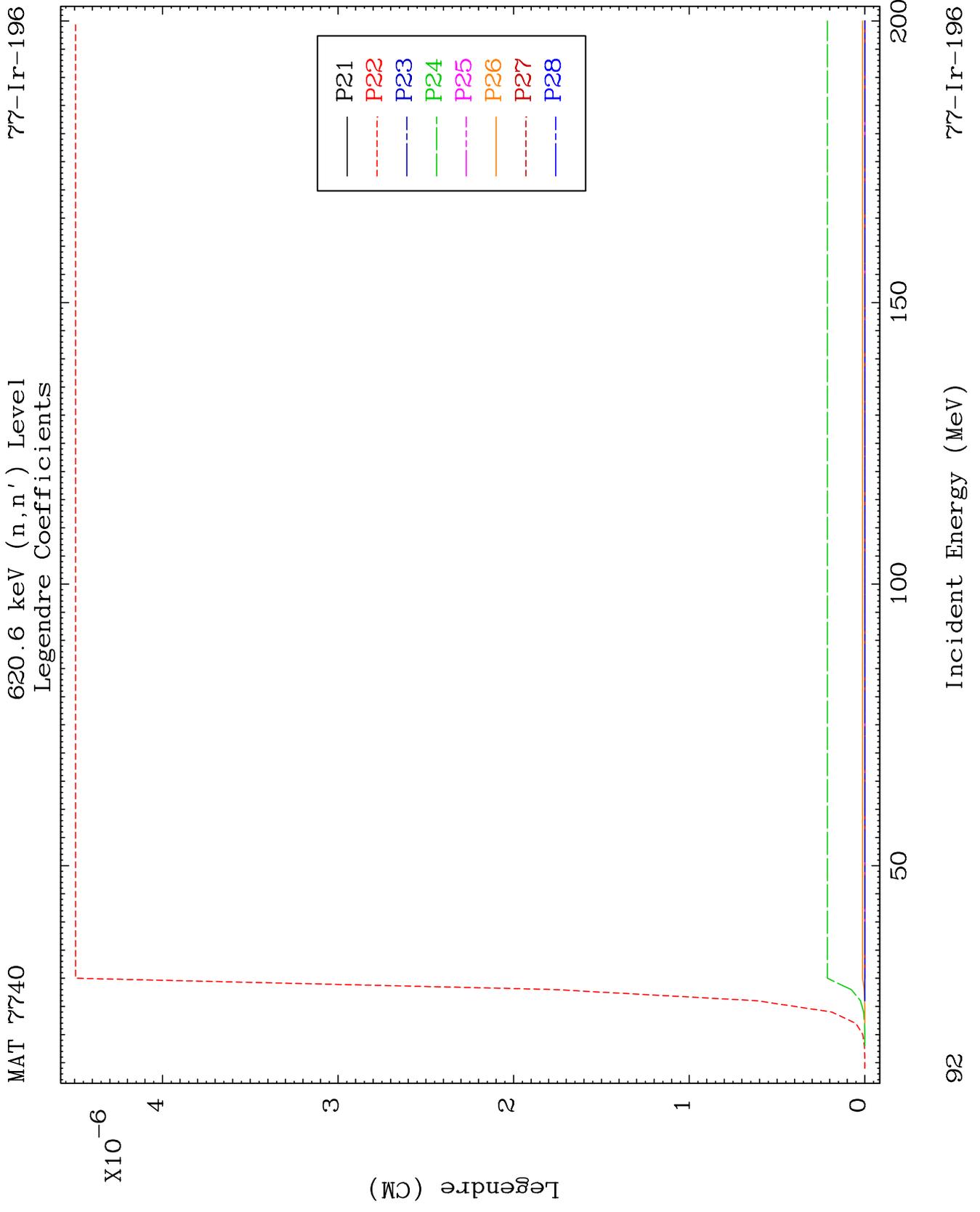


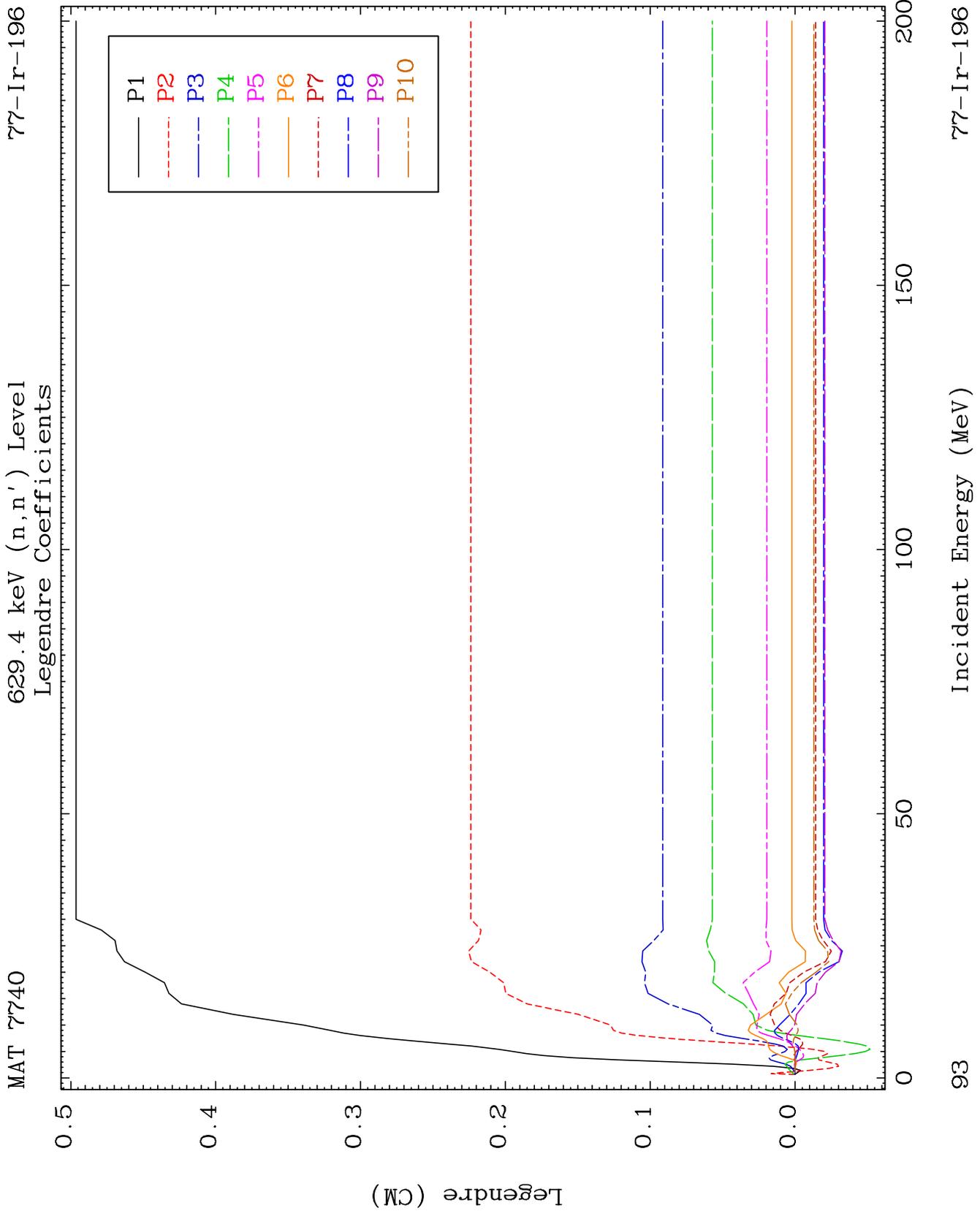
90

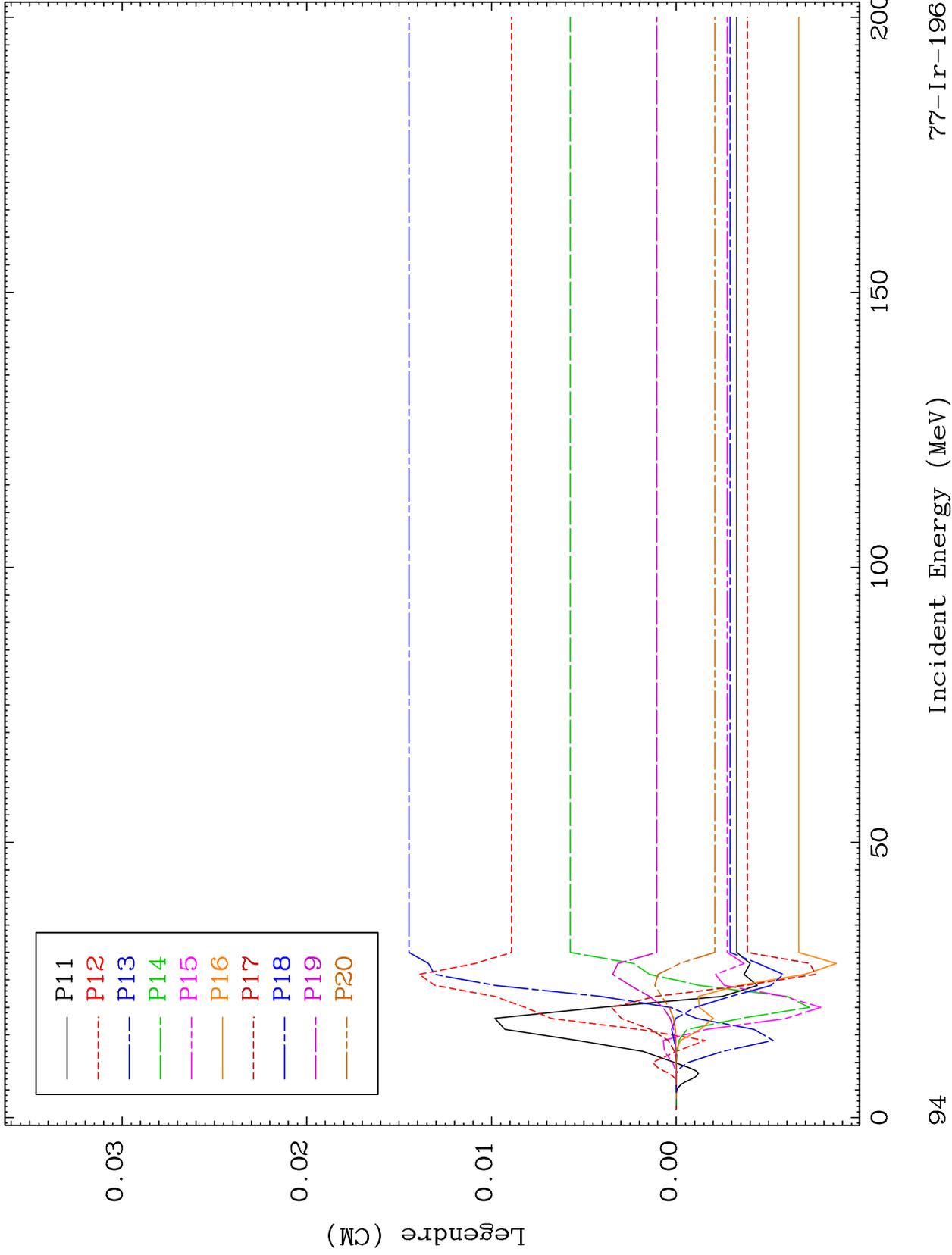
Incident Energy (MeV)

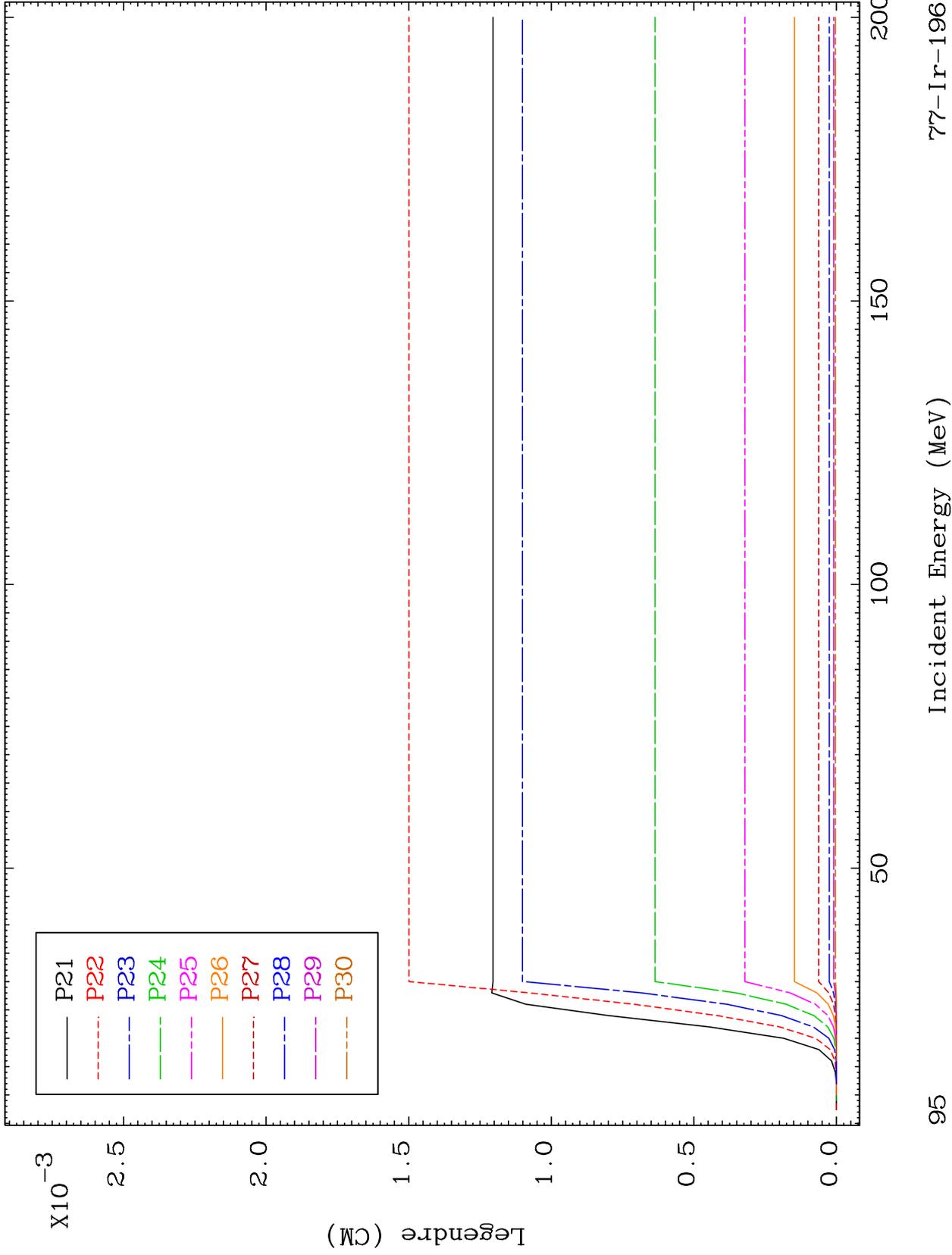
77-Ir-196

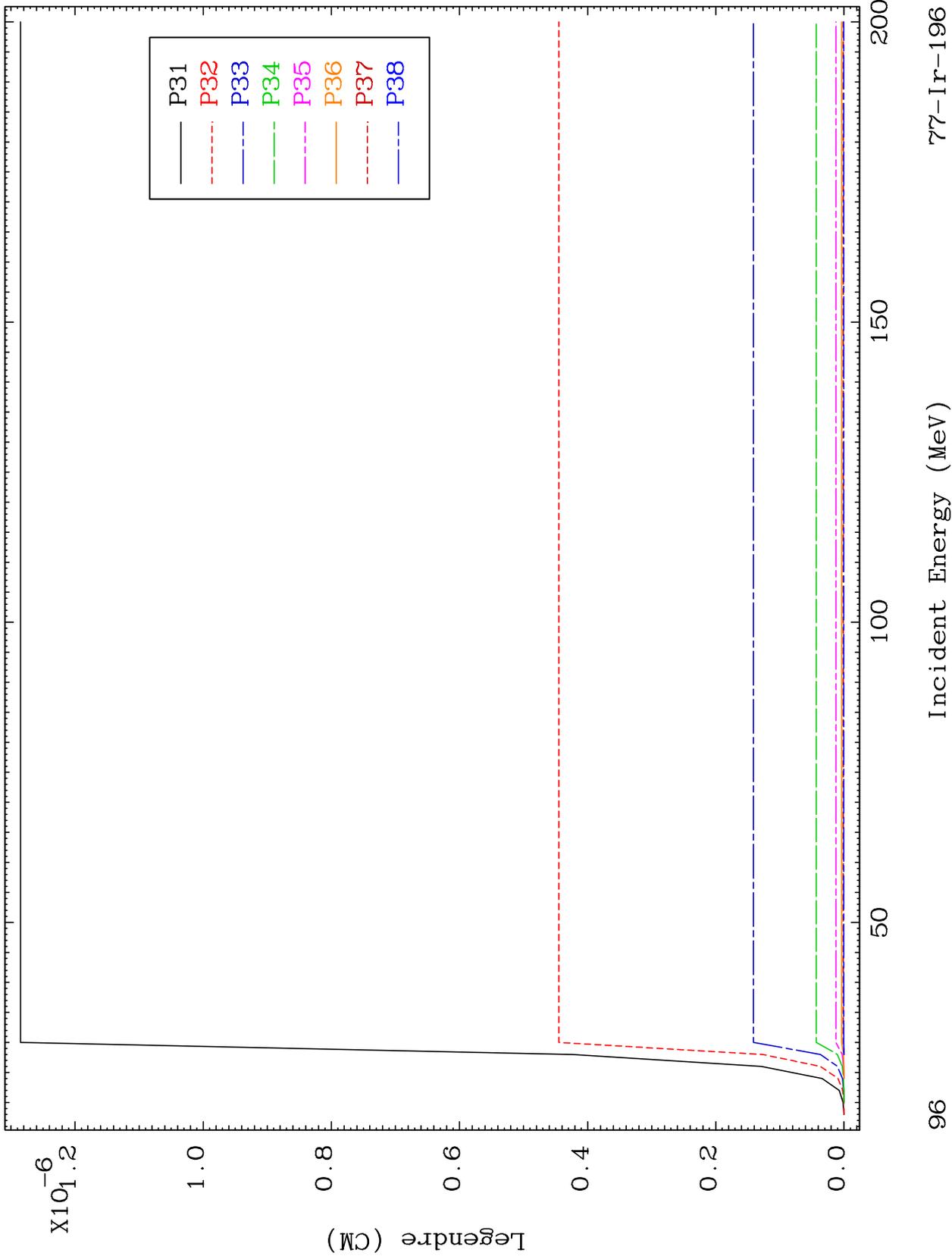








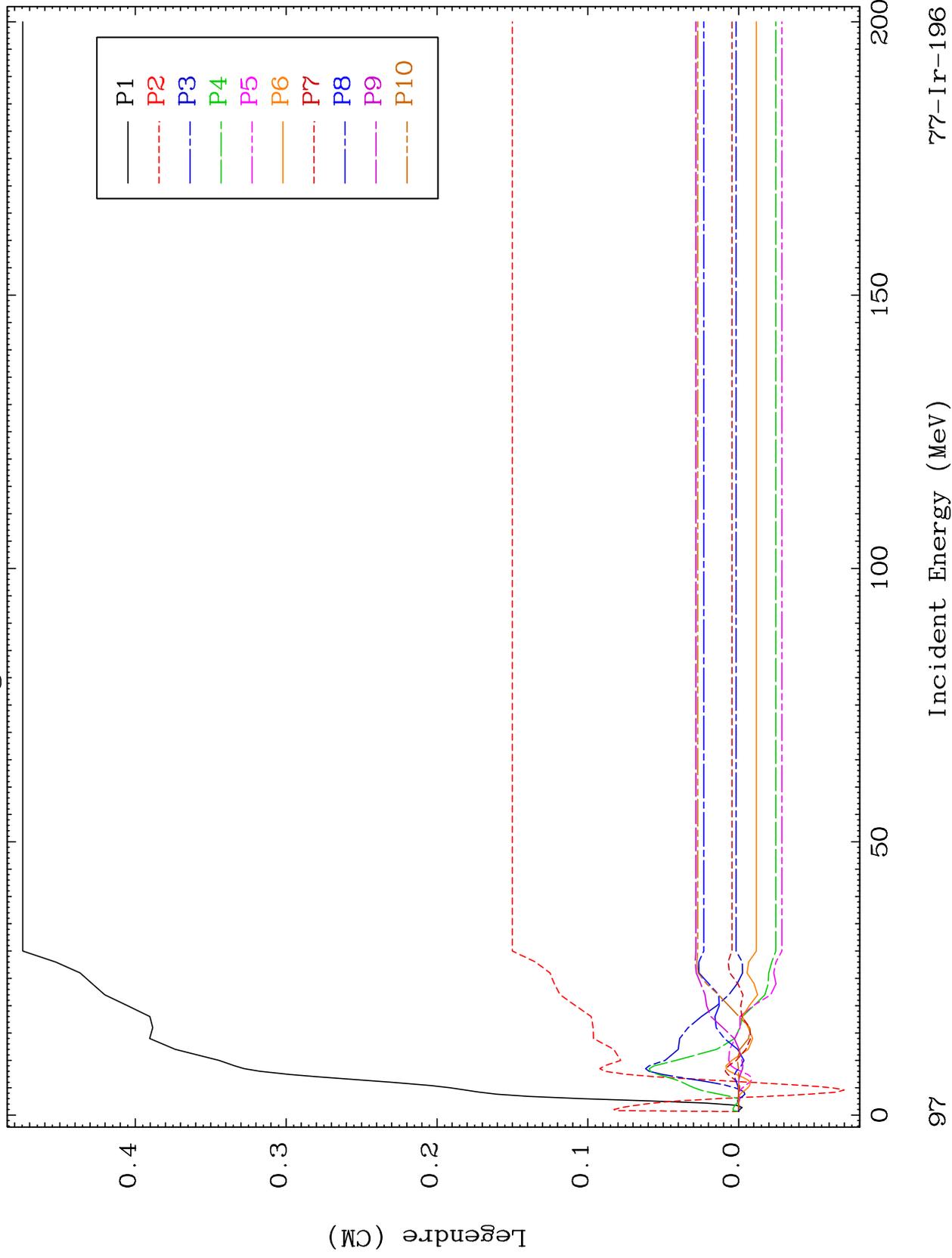


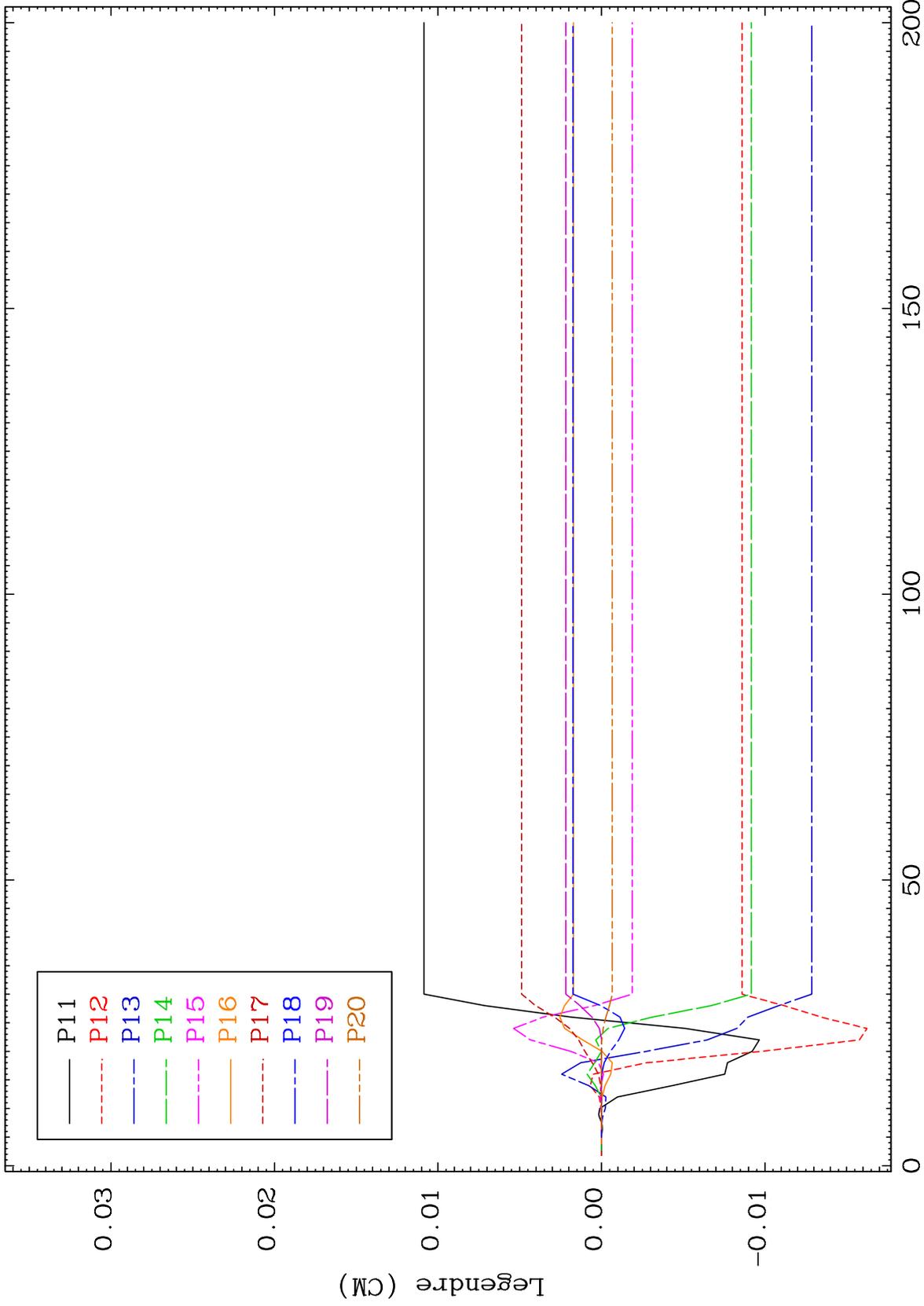


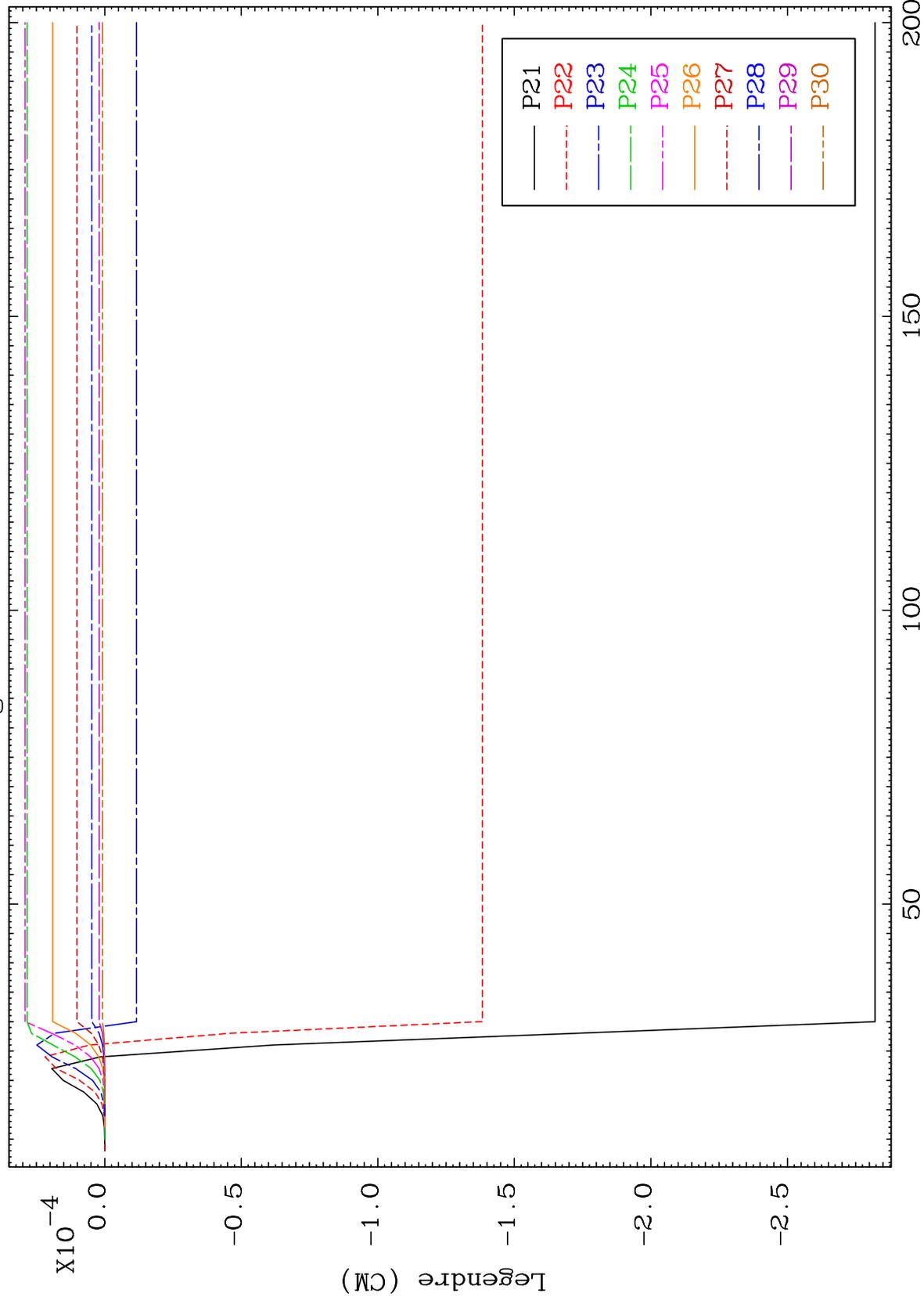
MAT 7740

631.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-196



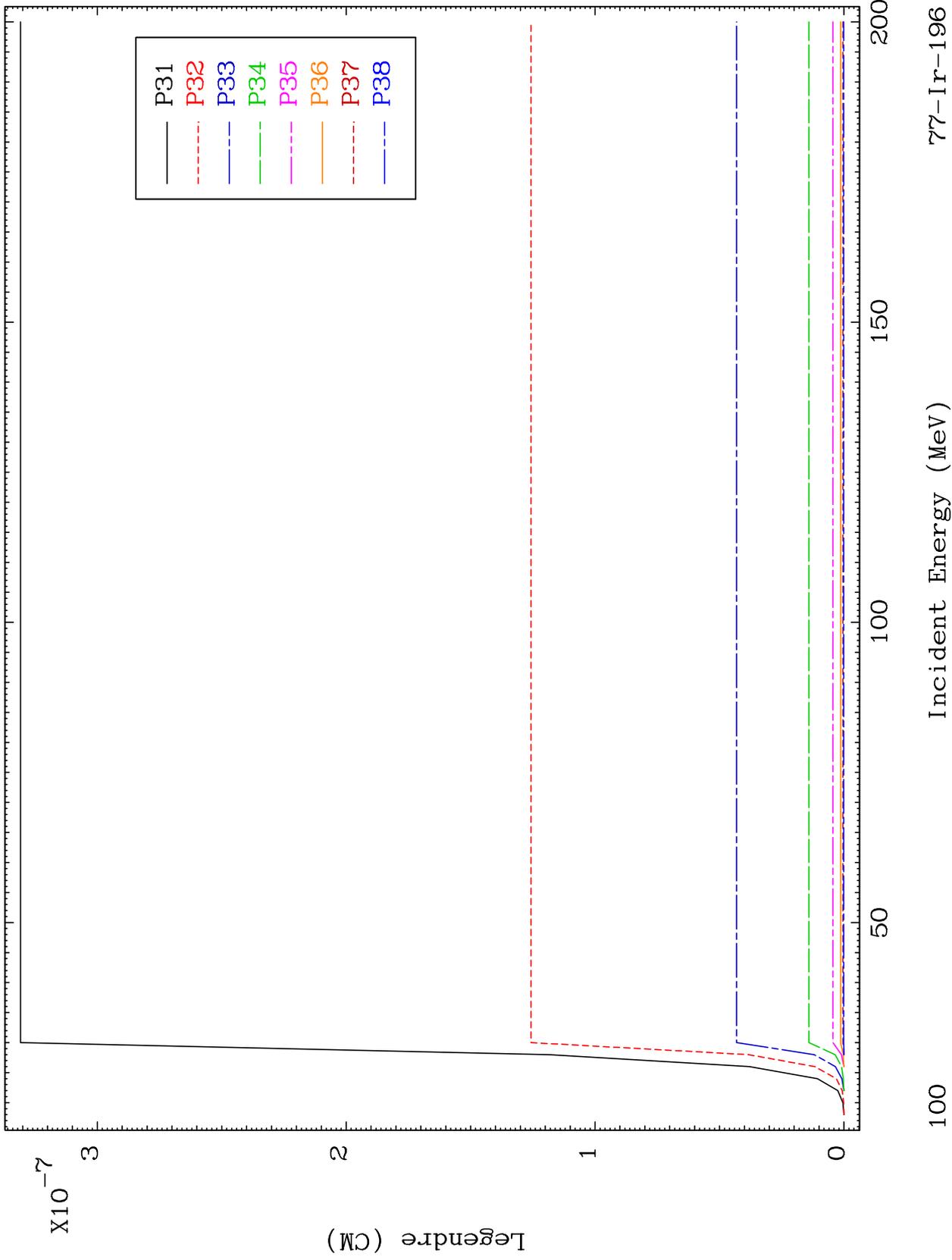




MAT 7740

631.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-196

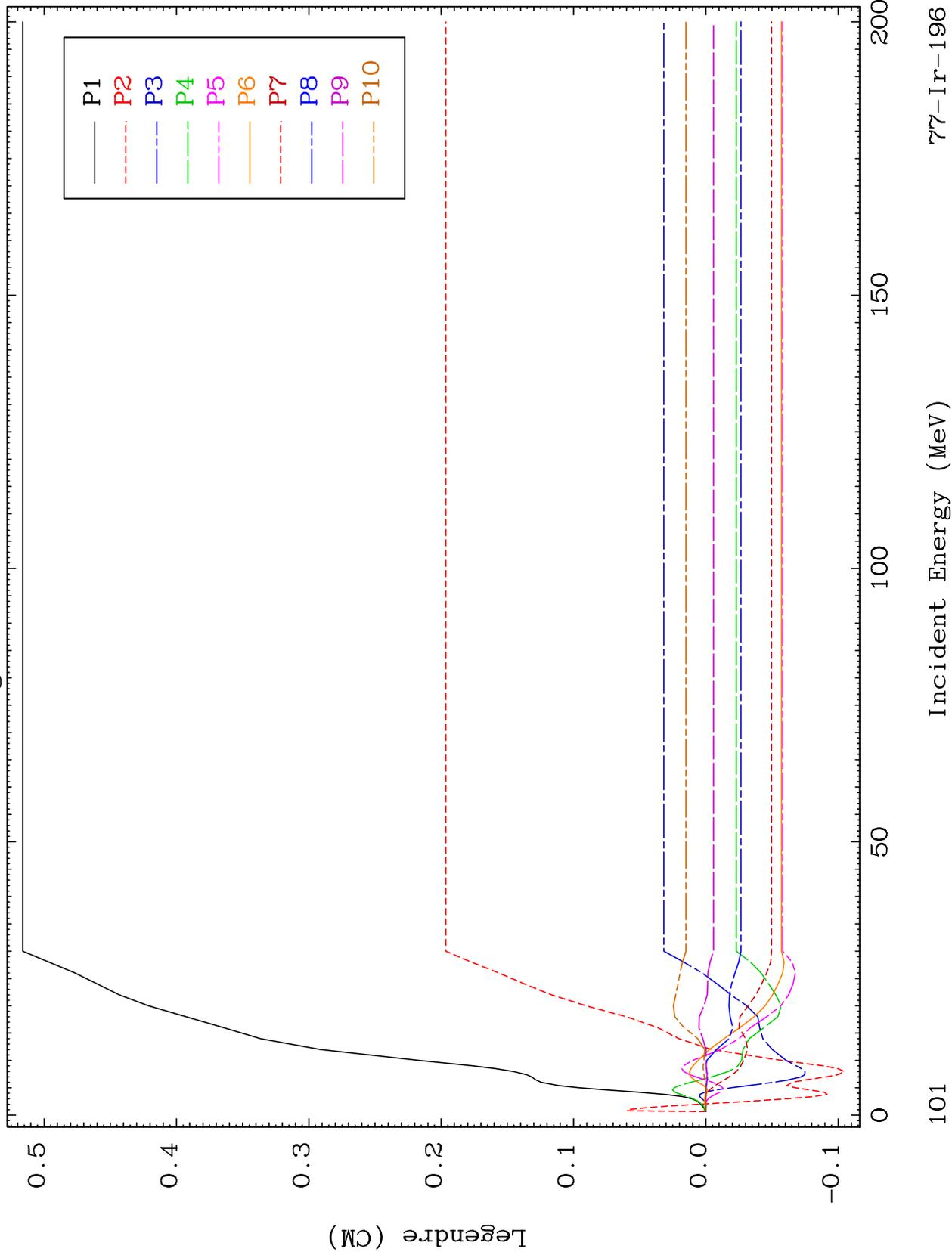


77-Ir-196

MAT 7740

648.8 keV (n,n') Level  
Legendre Coefficients

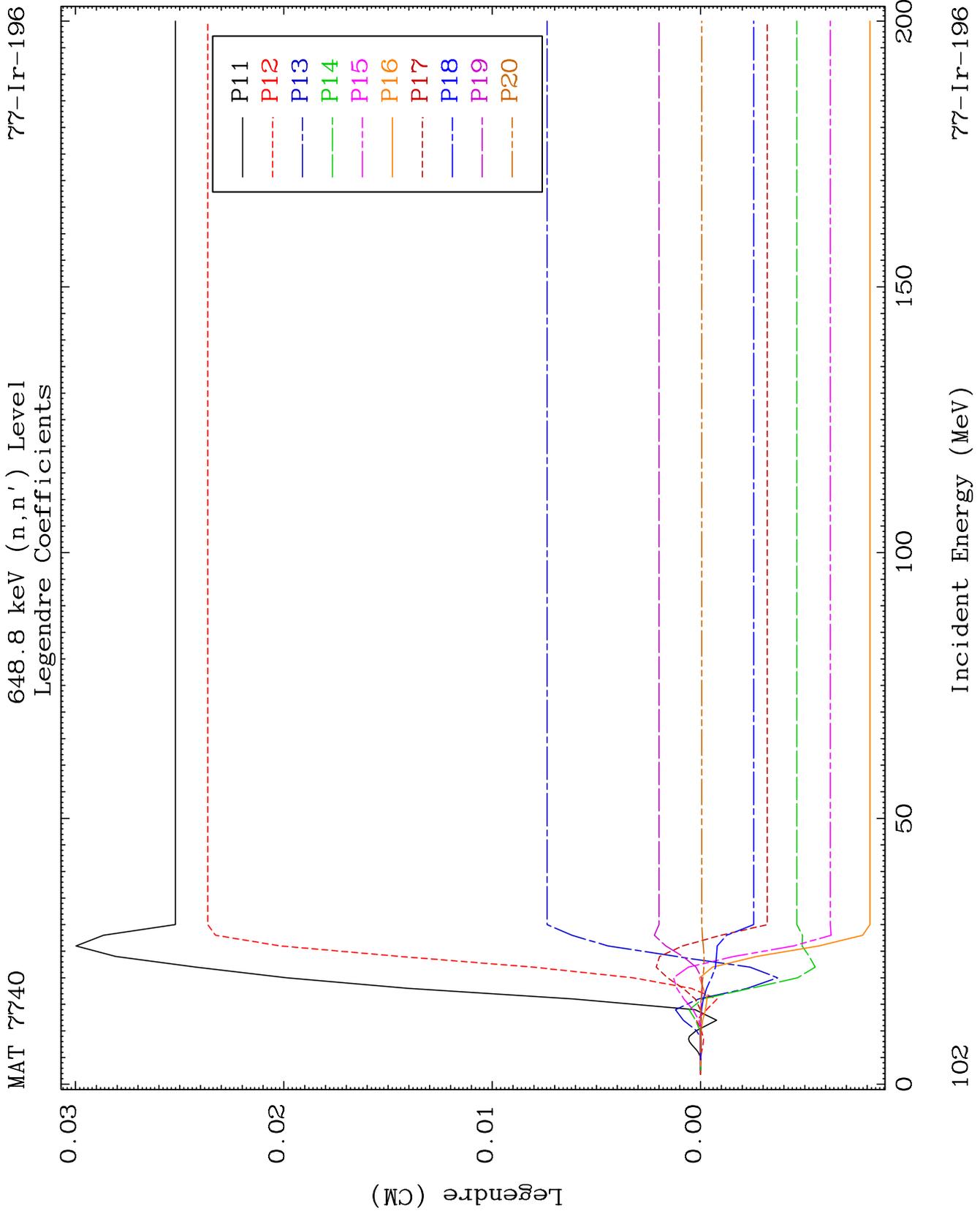
77-Ir-196



77-Ir-196

Incident Energy (MeV)

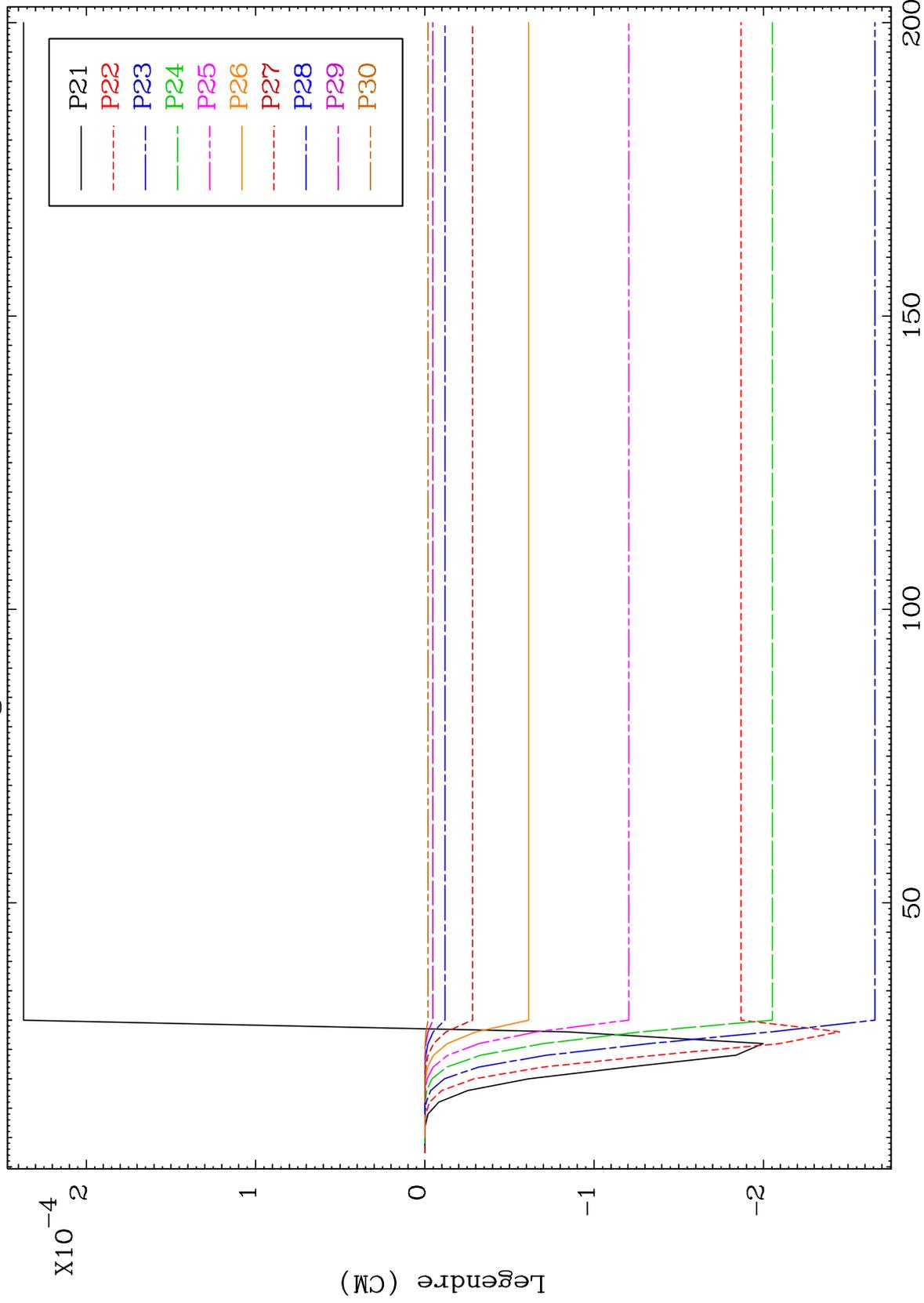
101



MAT 7740

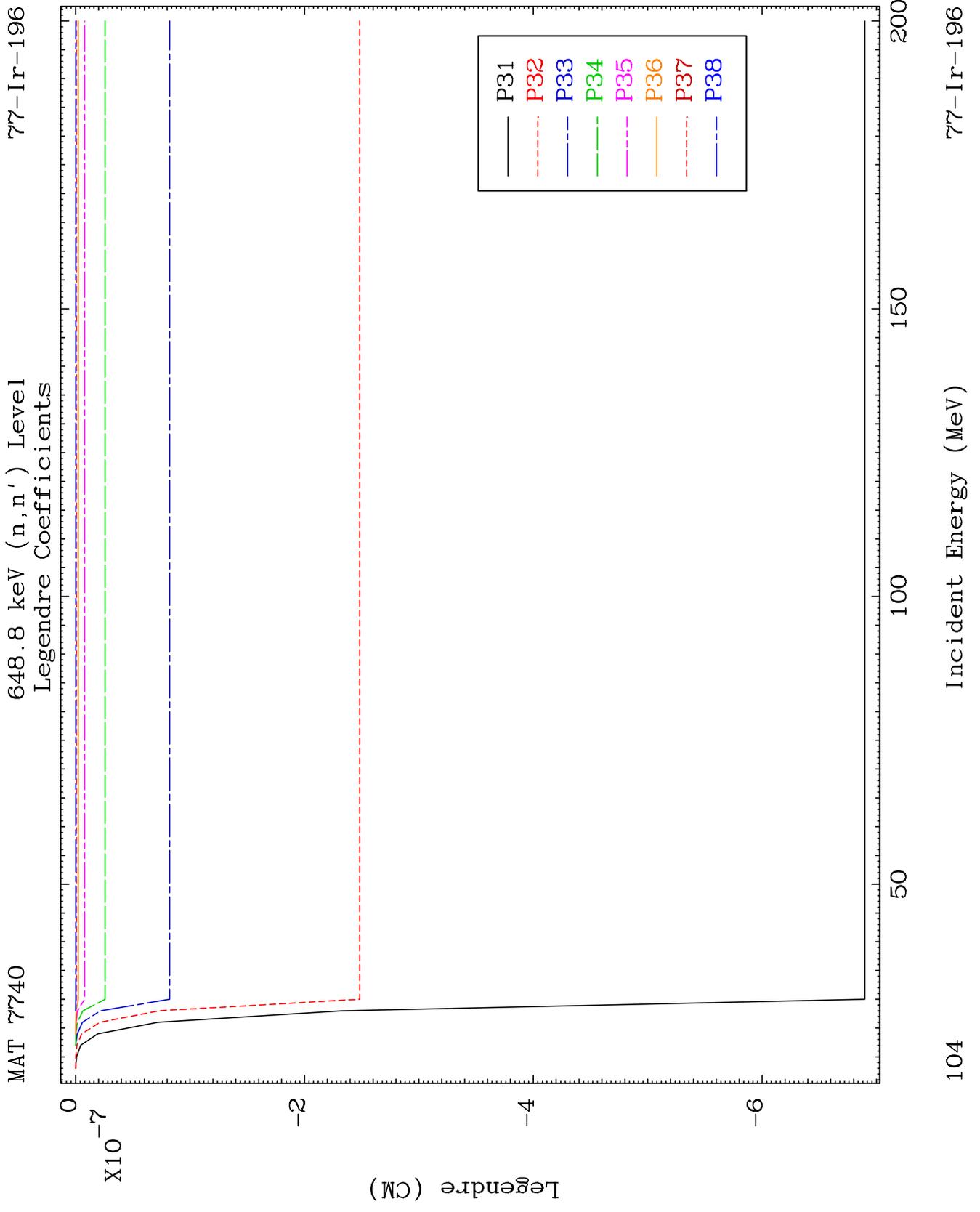
648.8 keV (n,n') Level  
Legendre Coefficients

77-Ir-196

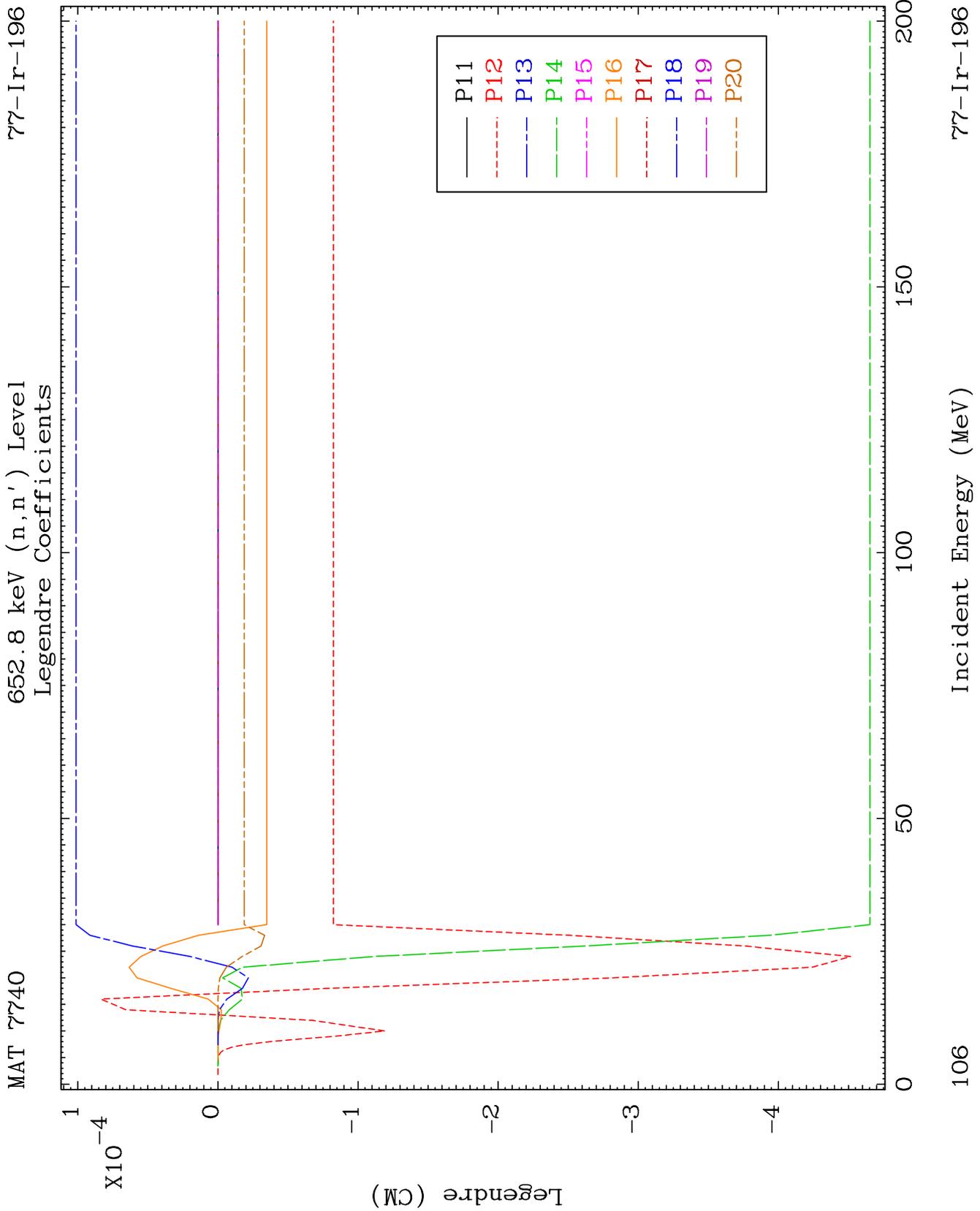


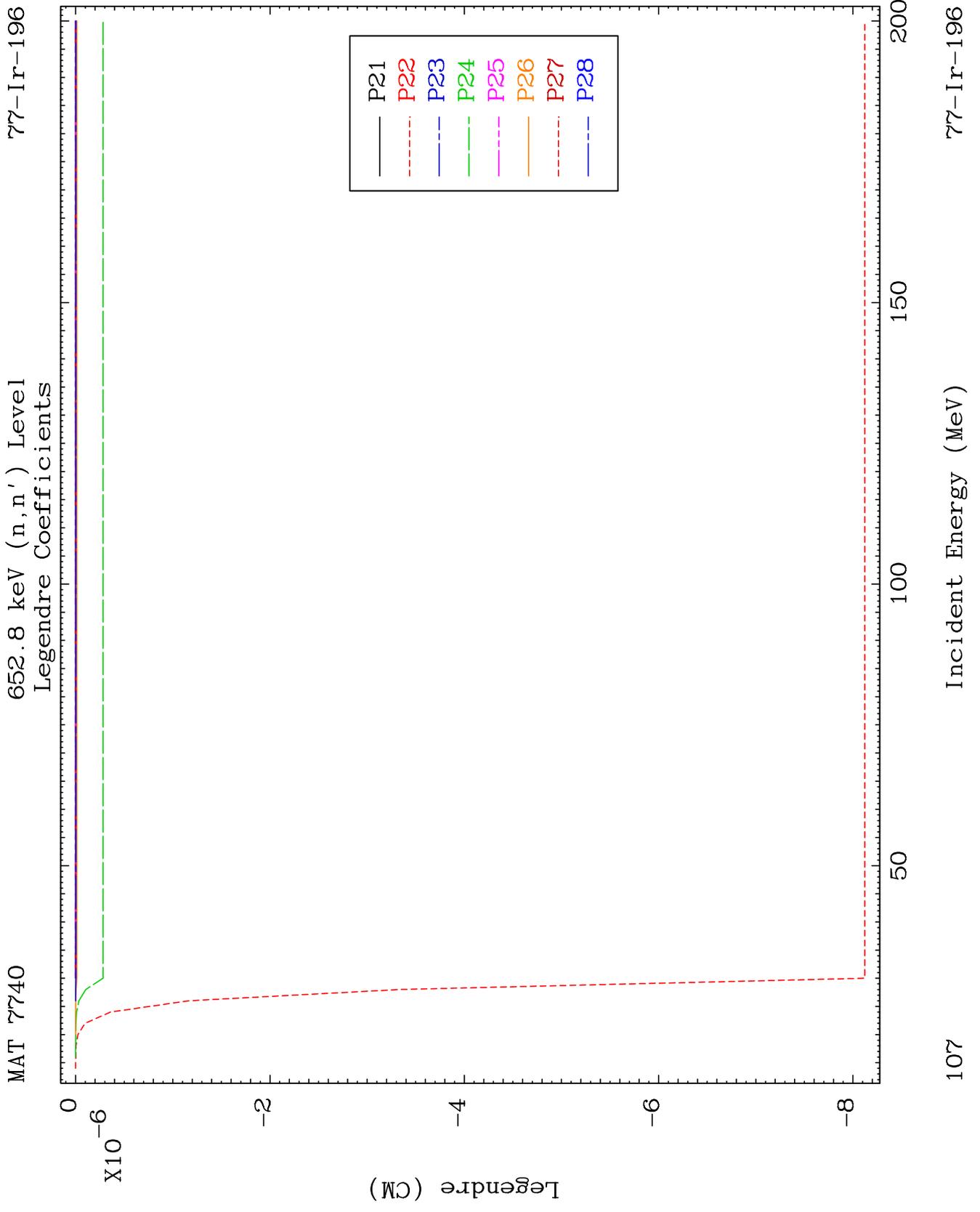
103

77-Ir-196







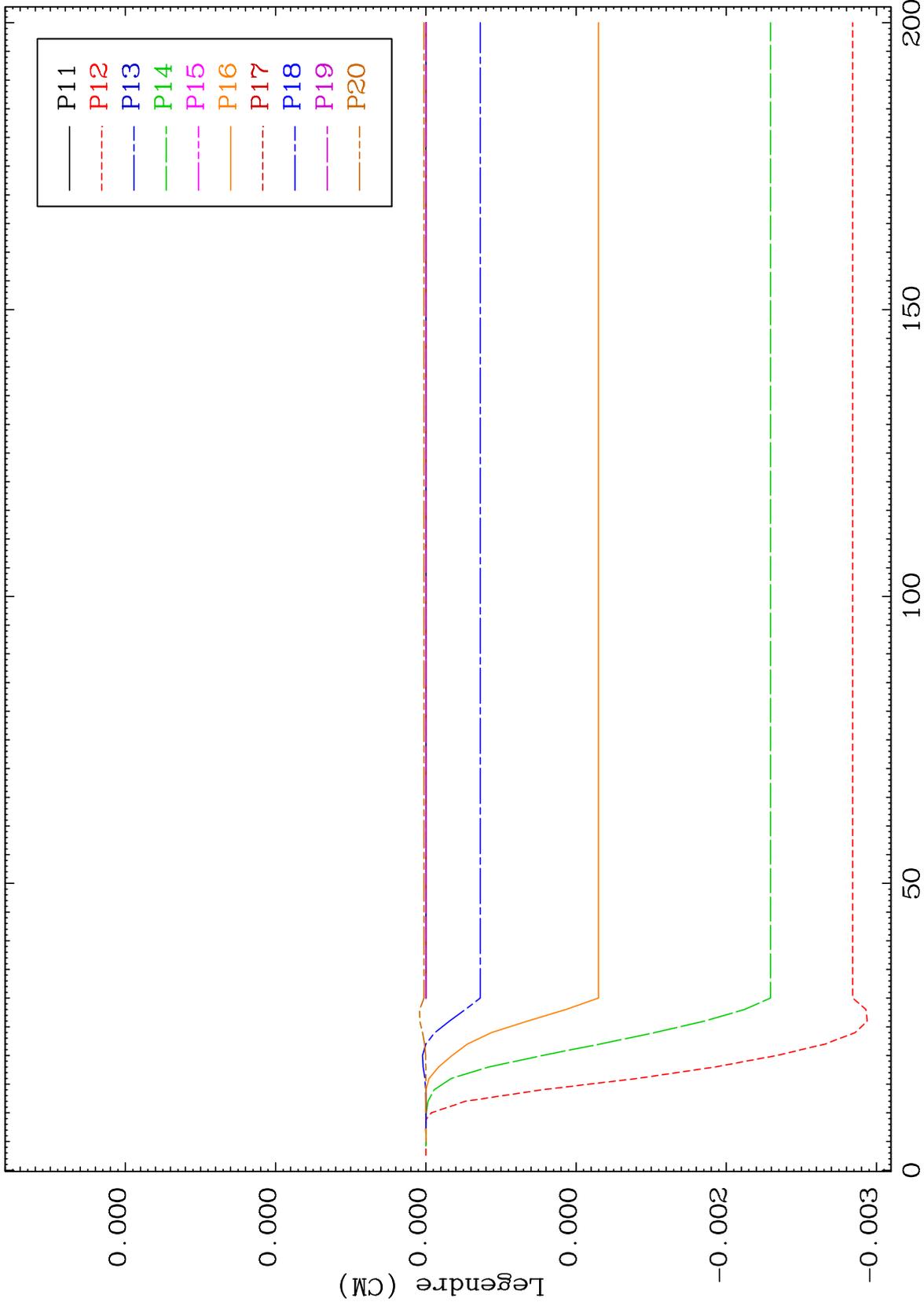




MAT 7740

655.8 keV (n,n') Level  
Legendre Coefficients

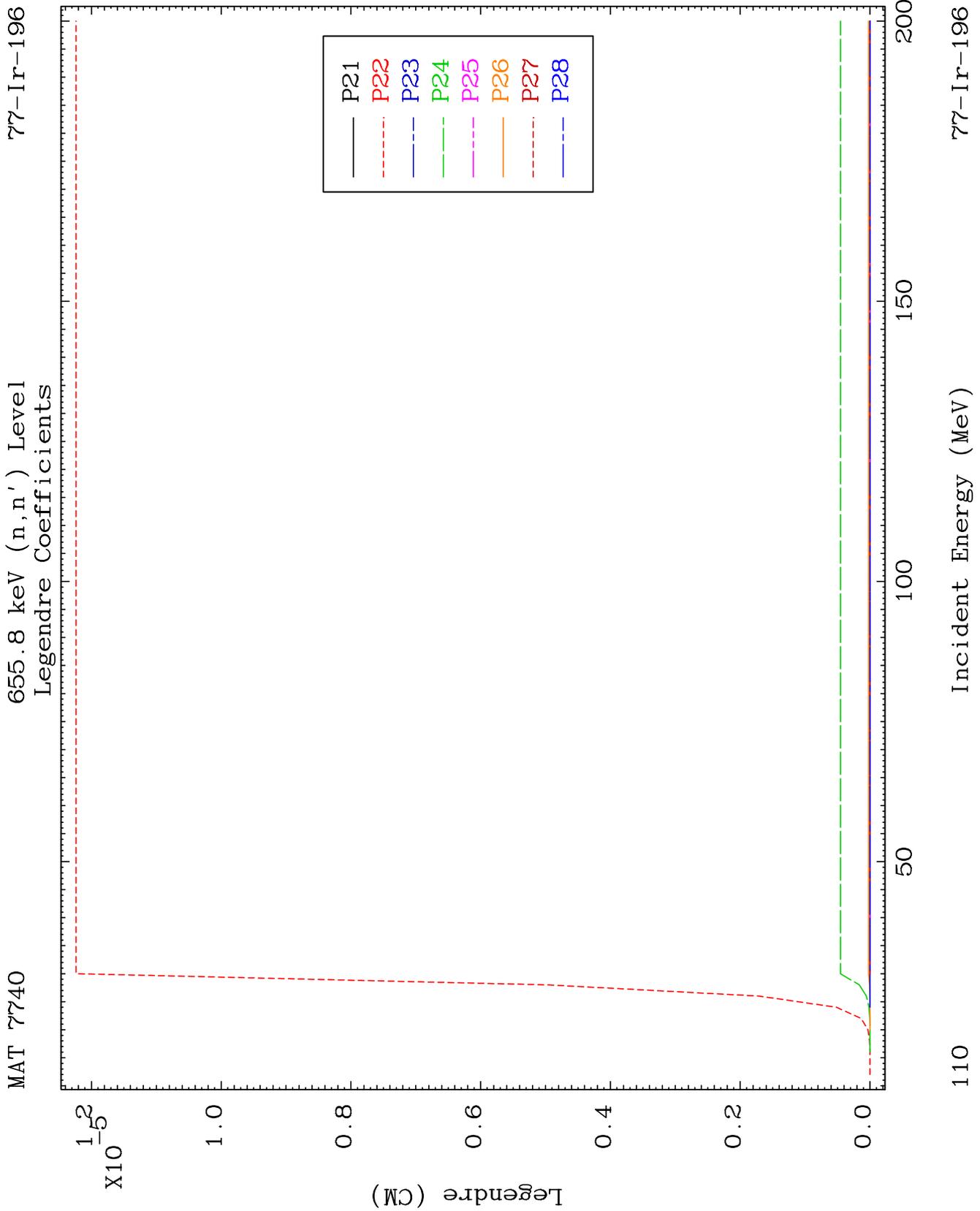
77-Ir-196

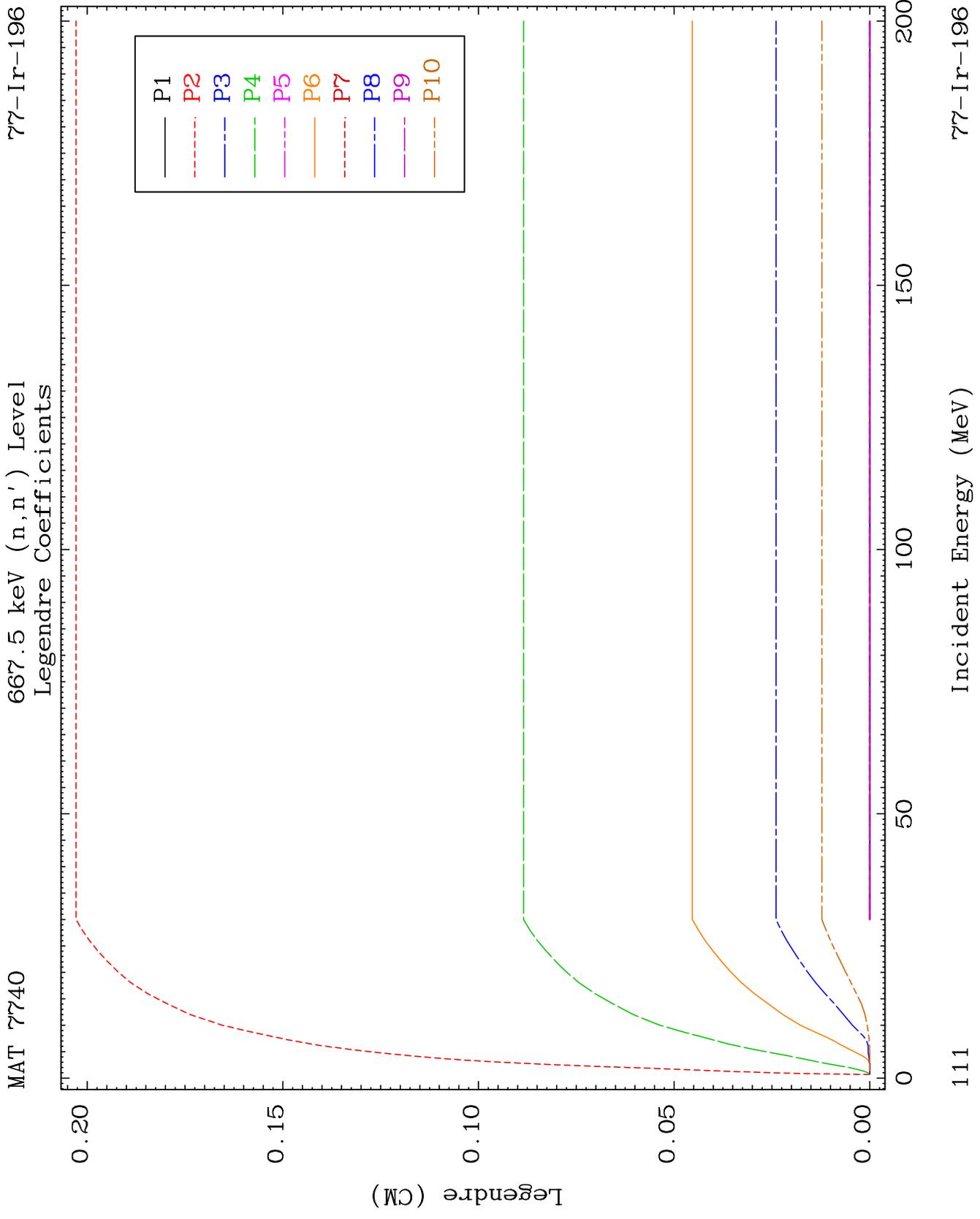


109

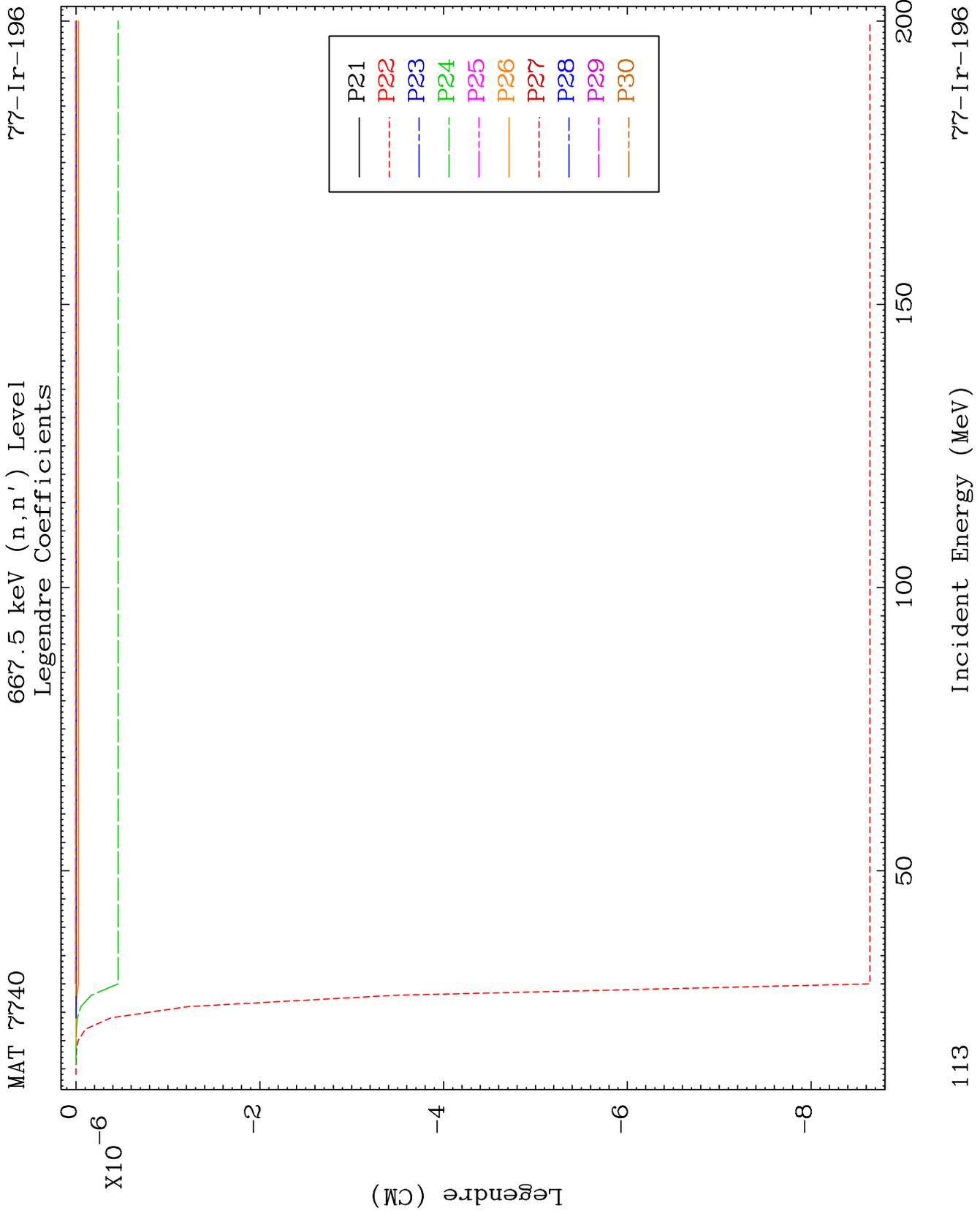
Incident Energy (MeV)

77-Ir-196





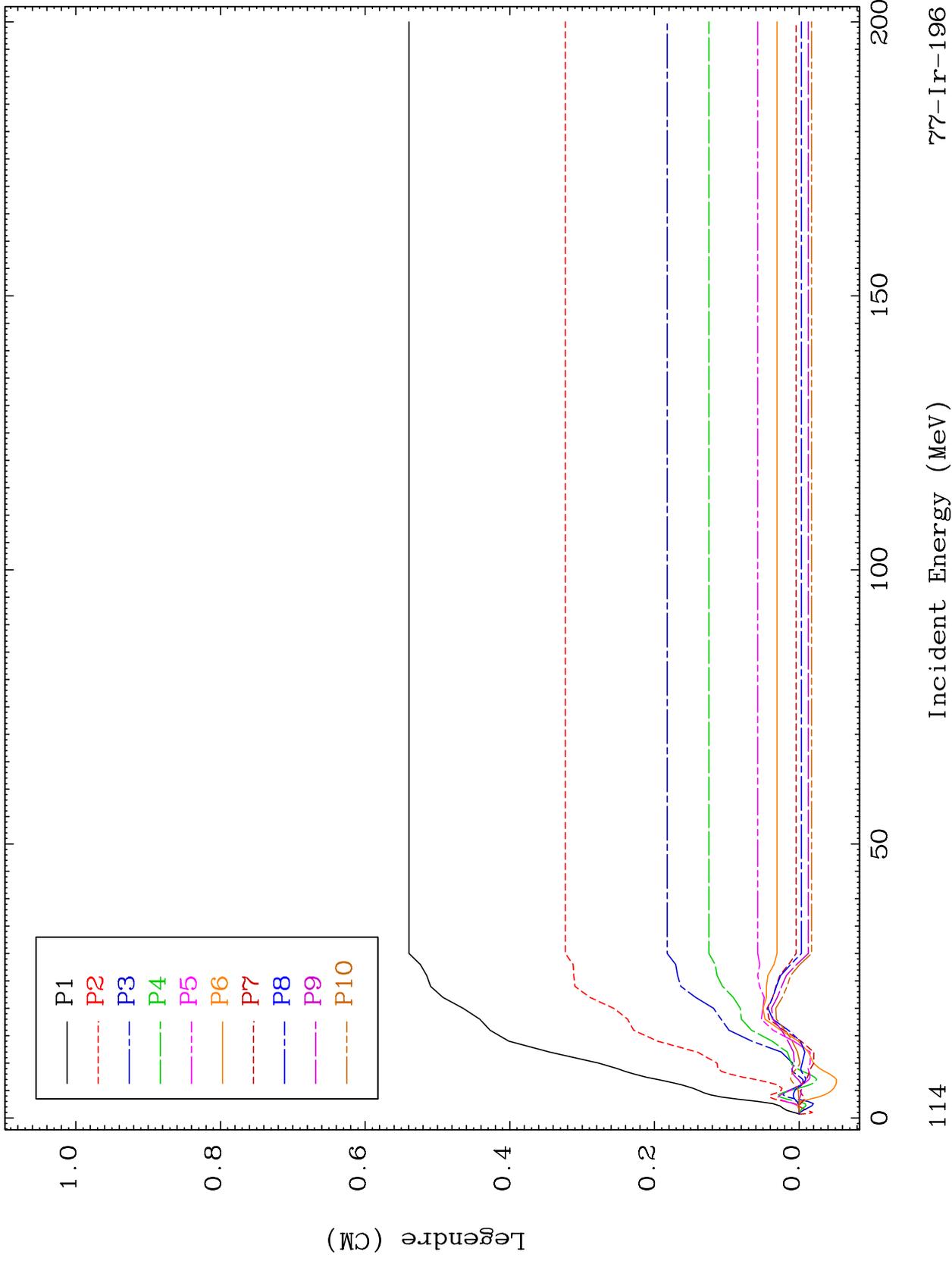




MAT 7740

671.1 keV (n,n') Level  
Legendre Coefficients

77-Ir-196



114

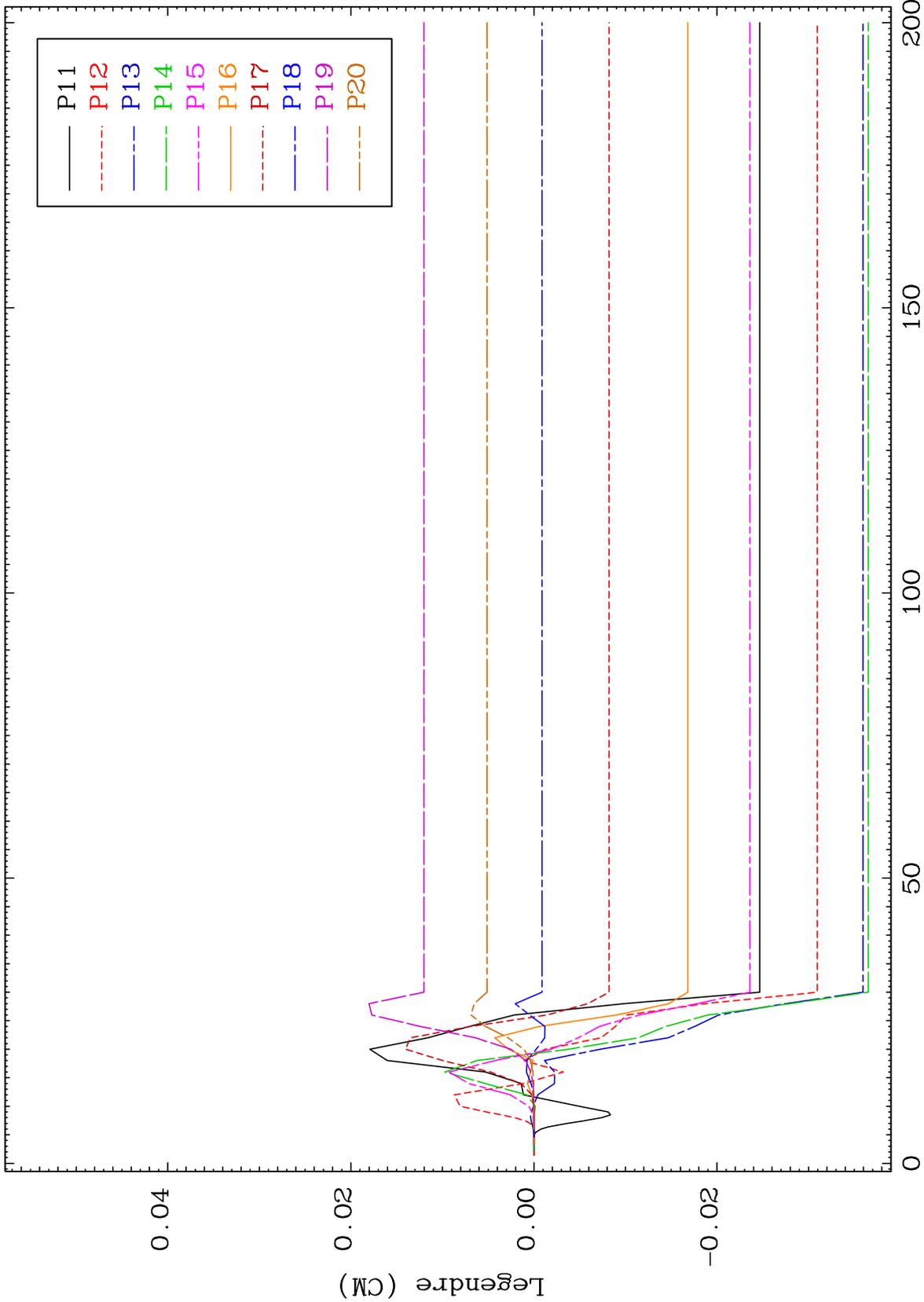
Incident Energy (MeV)

77-Ir-196

MAT 7740

671.1 keV (n,n') Level  
Legendre Coefficients

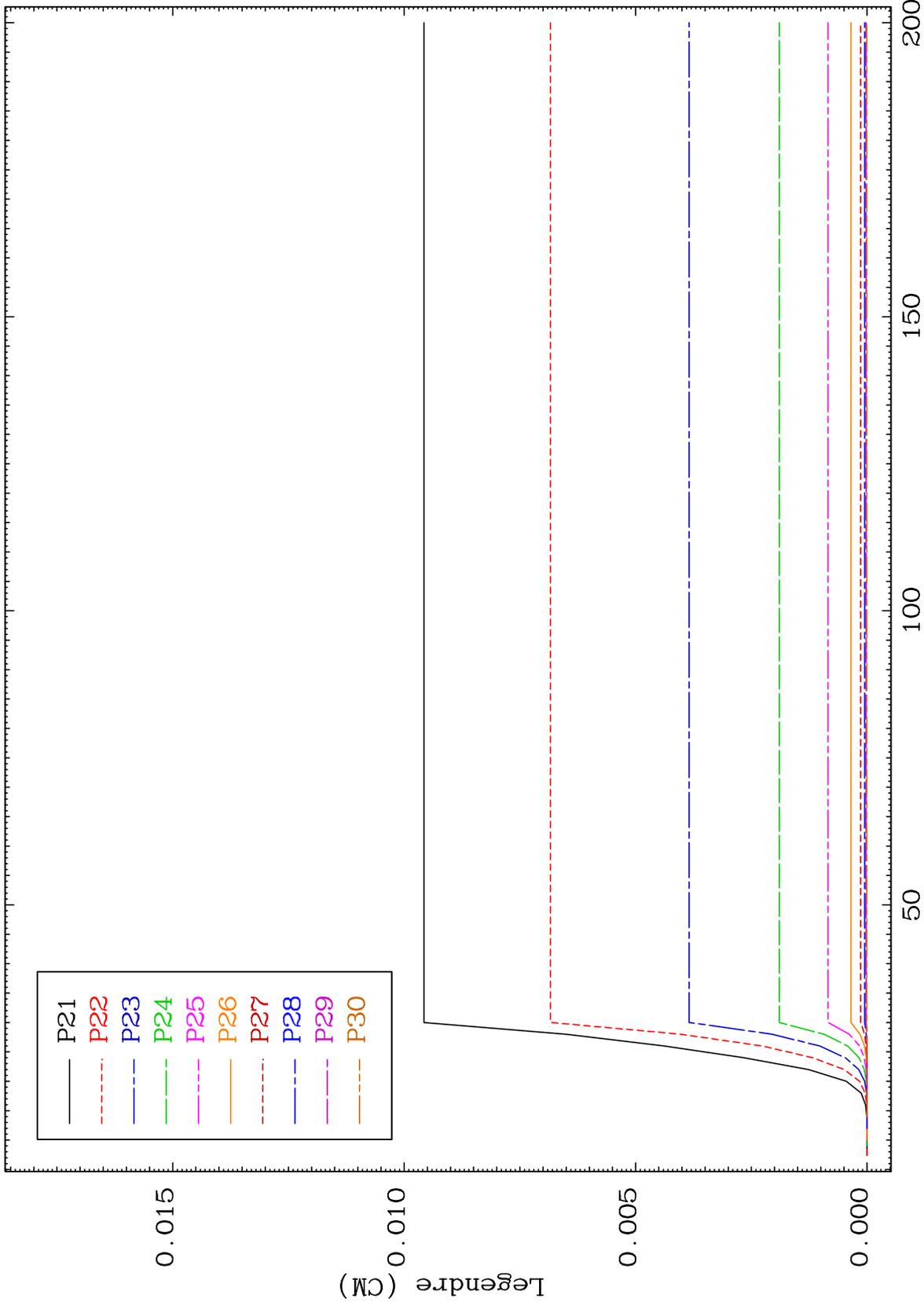
77-Ir-196



115

Incident Energy (MeV)

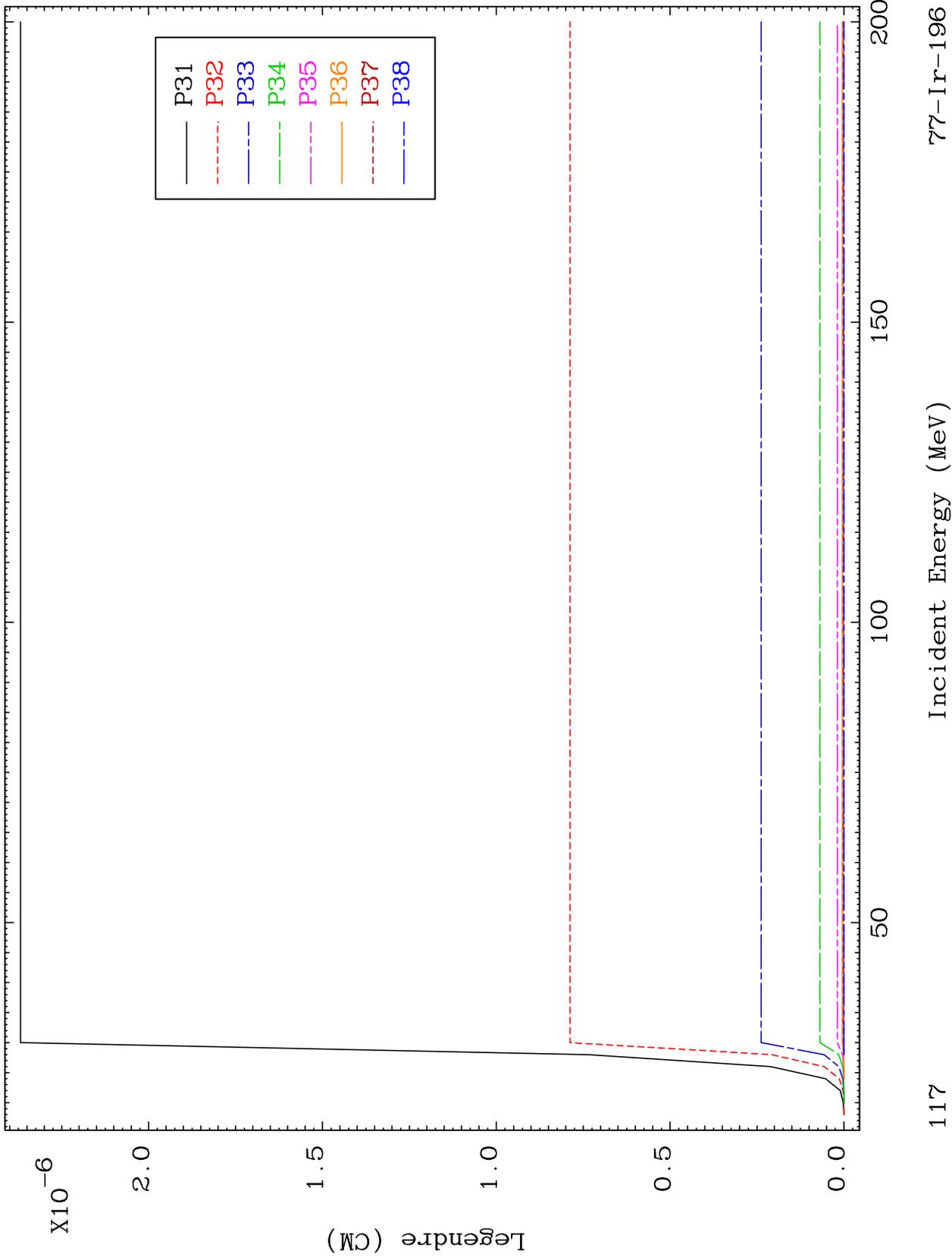
77-Ir-196

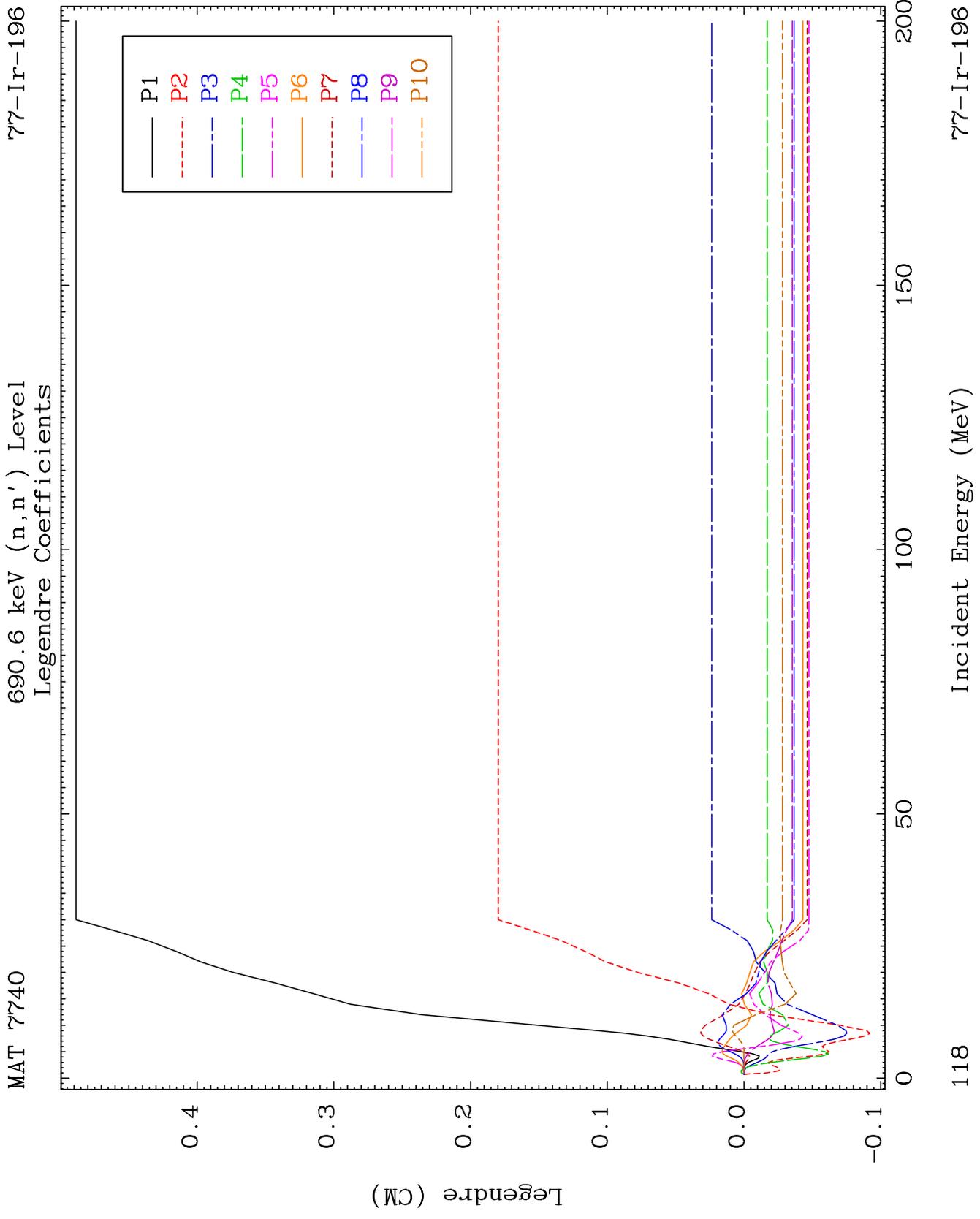


MAT 7740

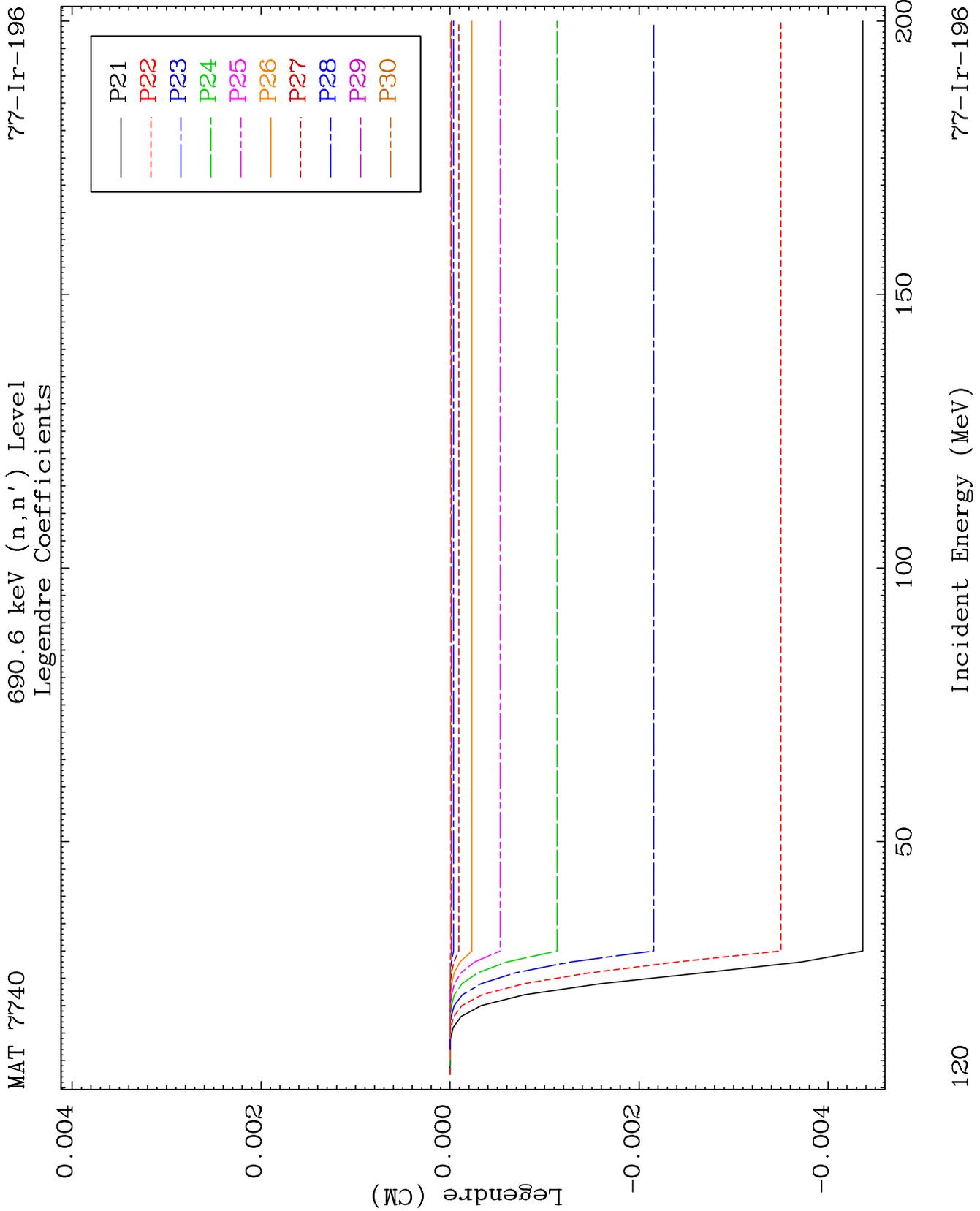
671.1 keV (n,n') Level  
Legendre Coefficients

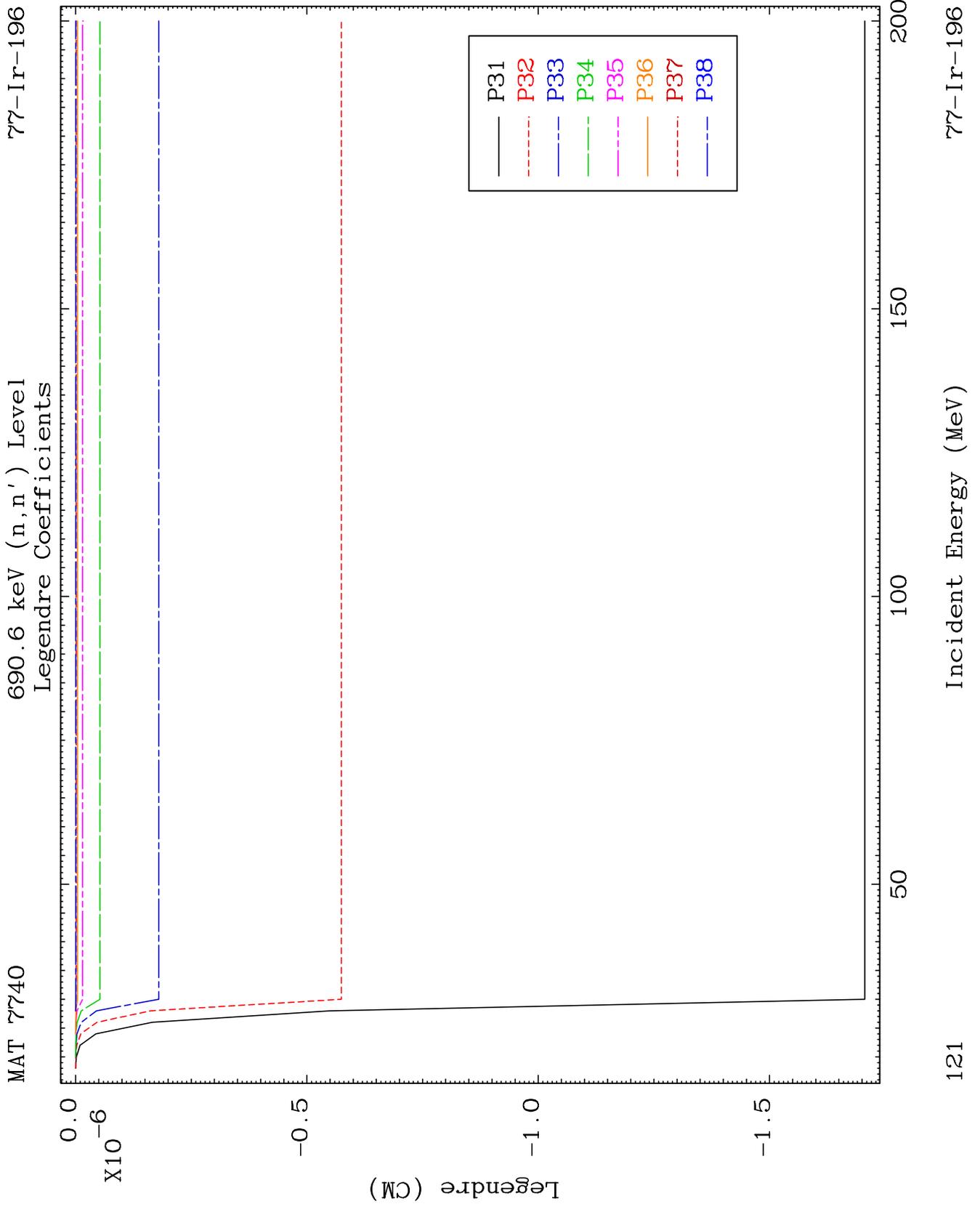
77-Ir-196

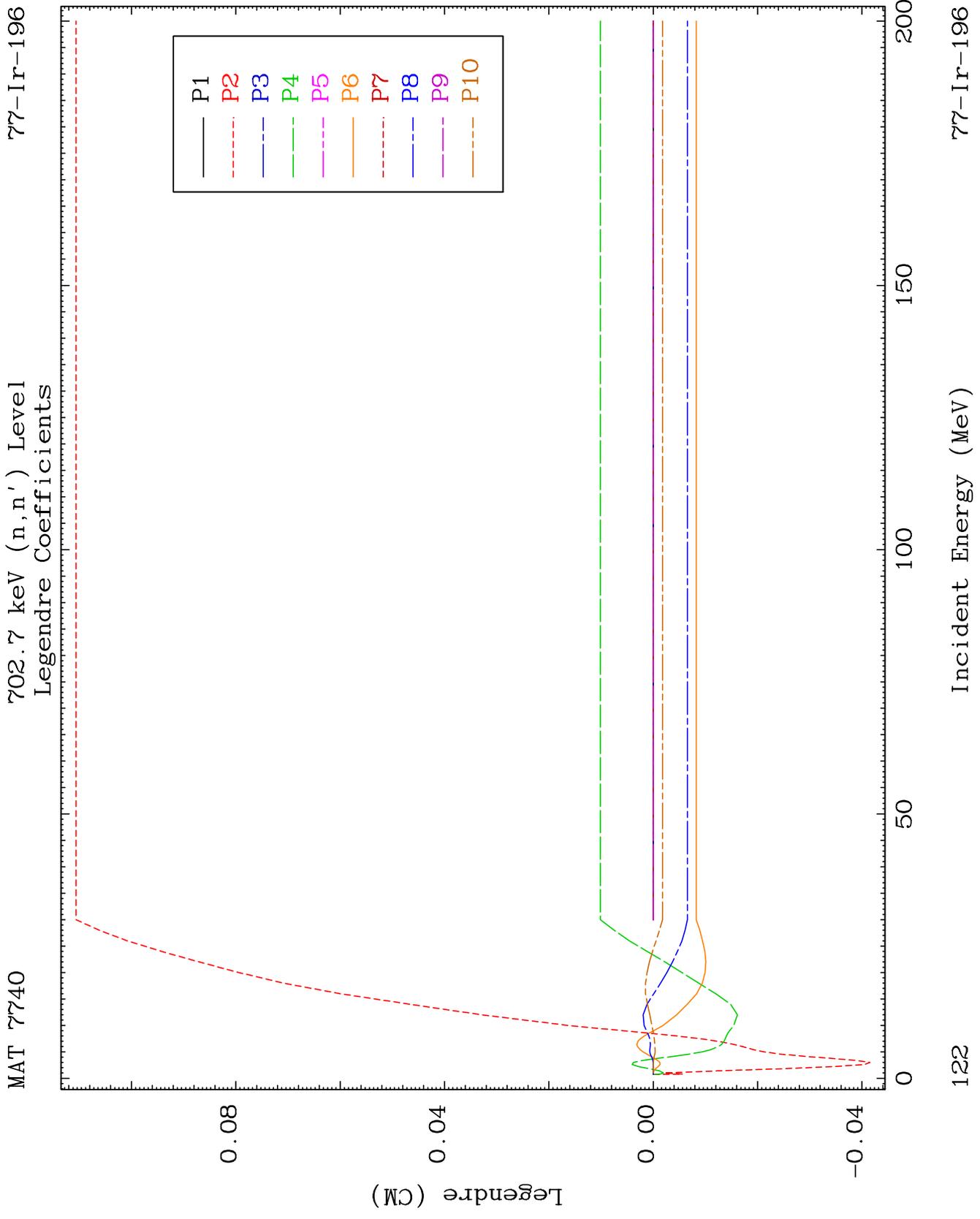








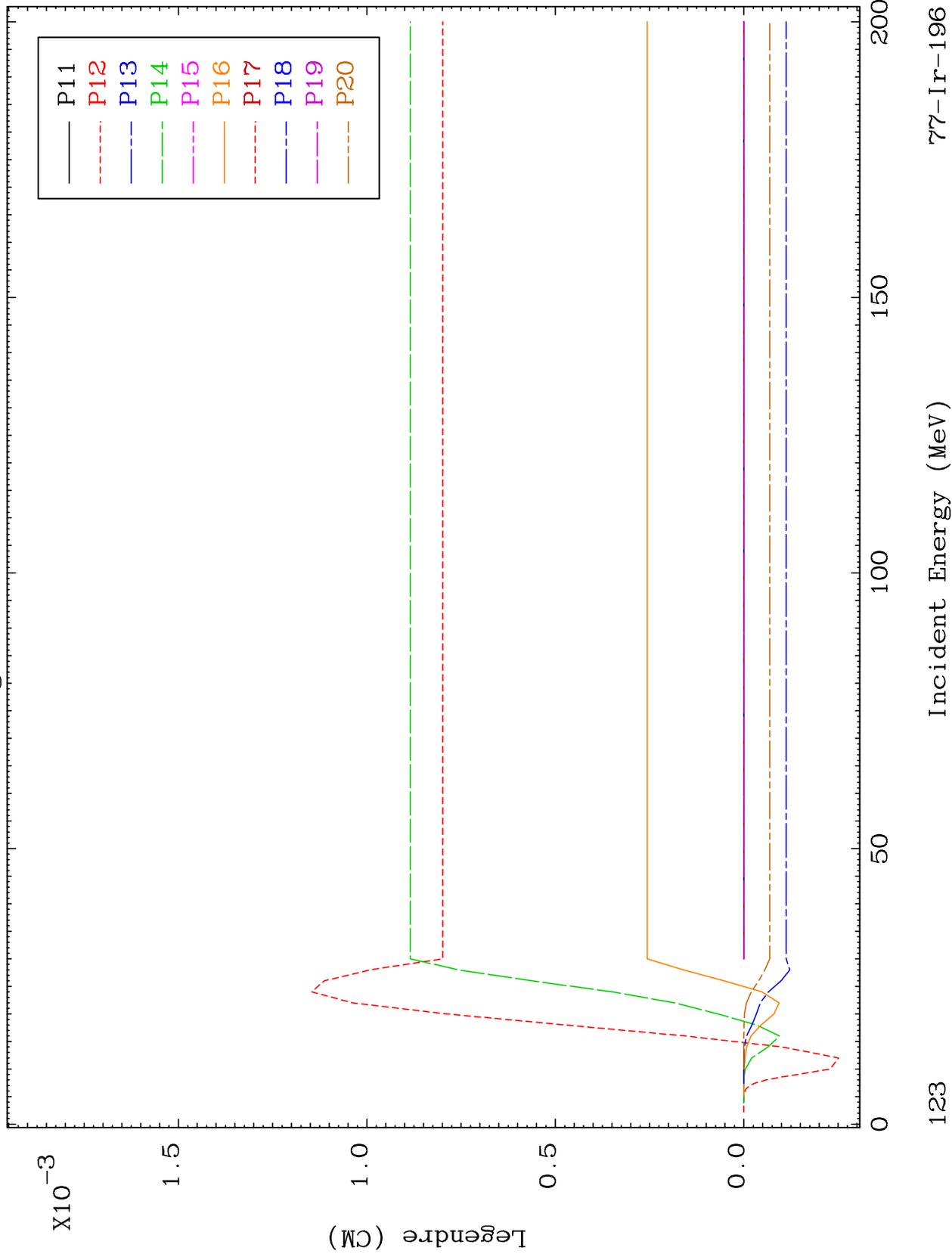




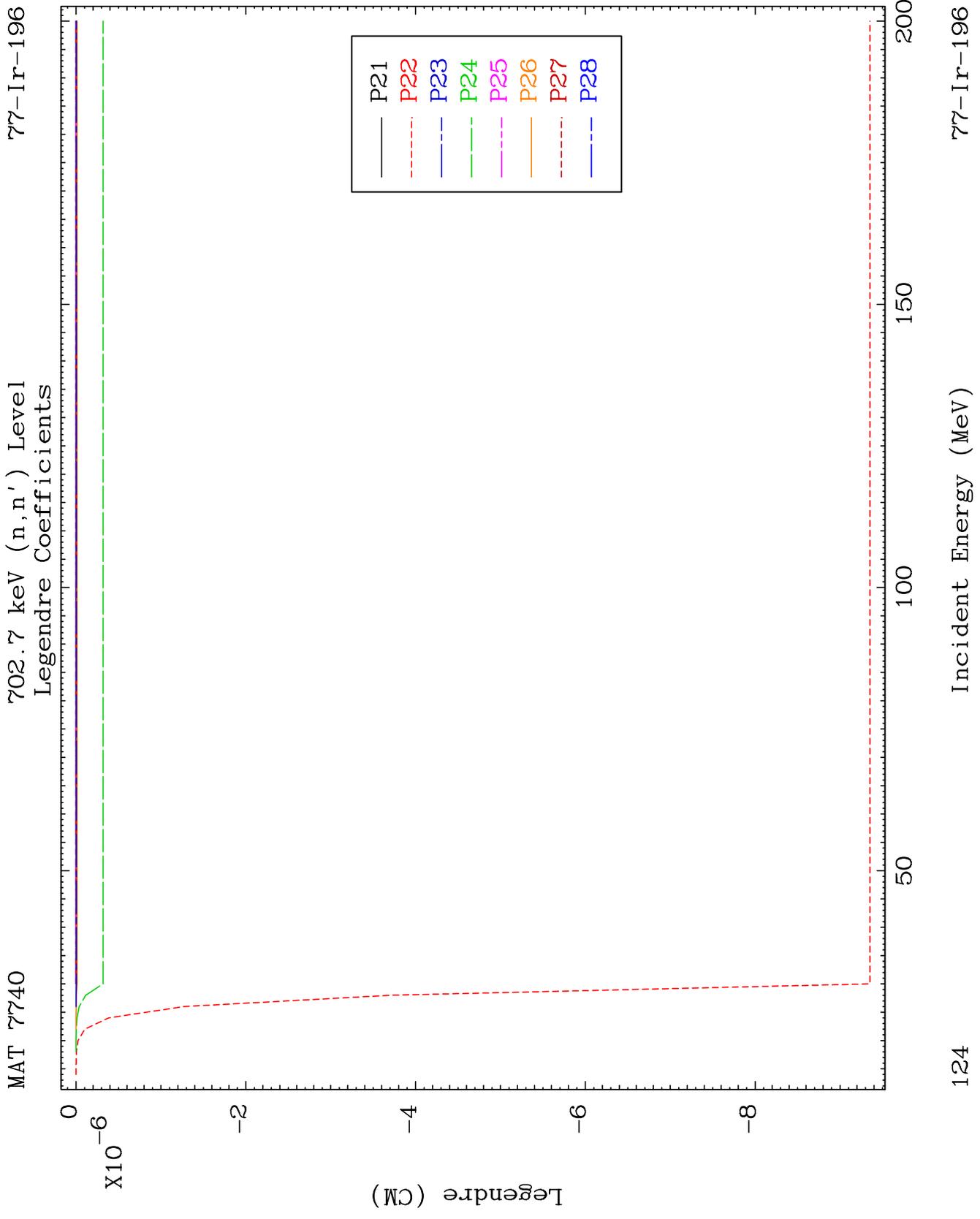
MAT 7740

702.7 keV (n,n') Level  
Legendre Coefficients

77-Ir-196



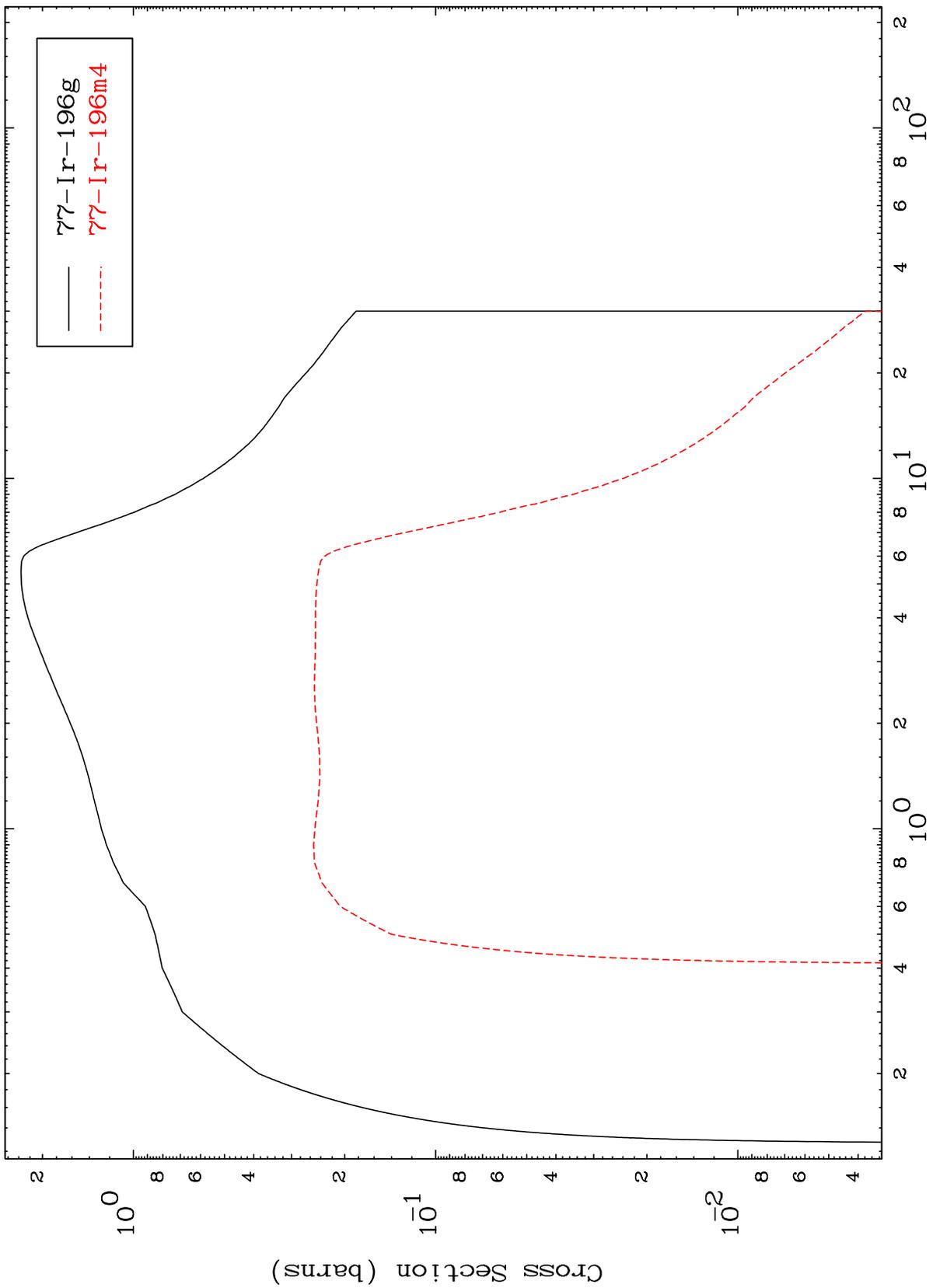
123



MAT 7740

77-Ir-196

Inelastic  
Radionuclide Production Cross Section



77-Ir-196g  
77-Ir-196m4

125

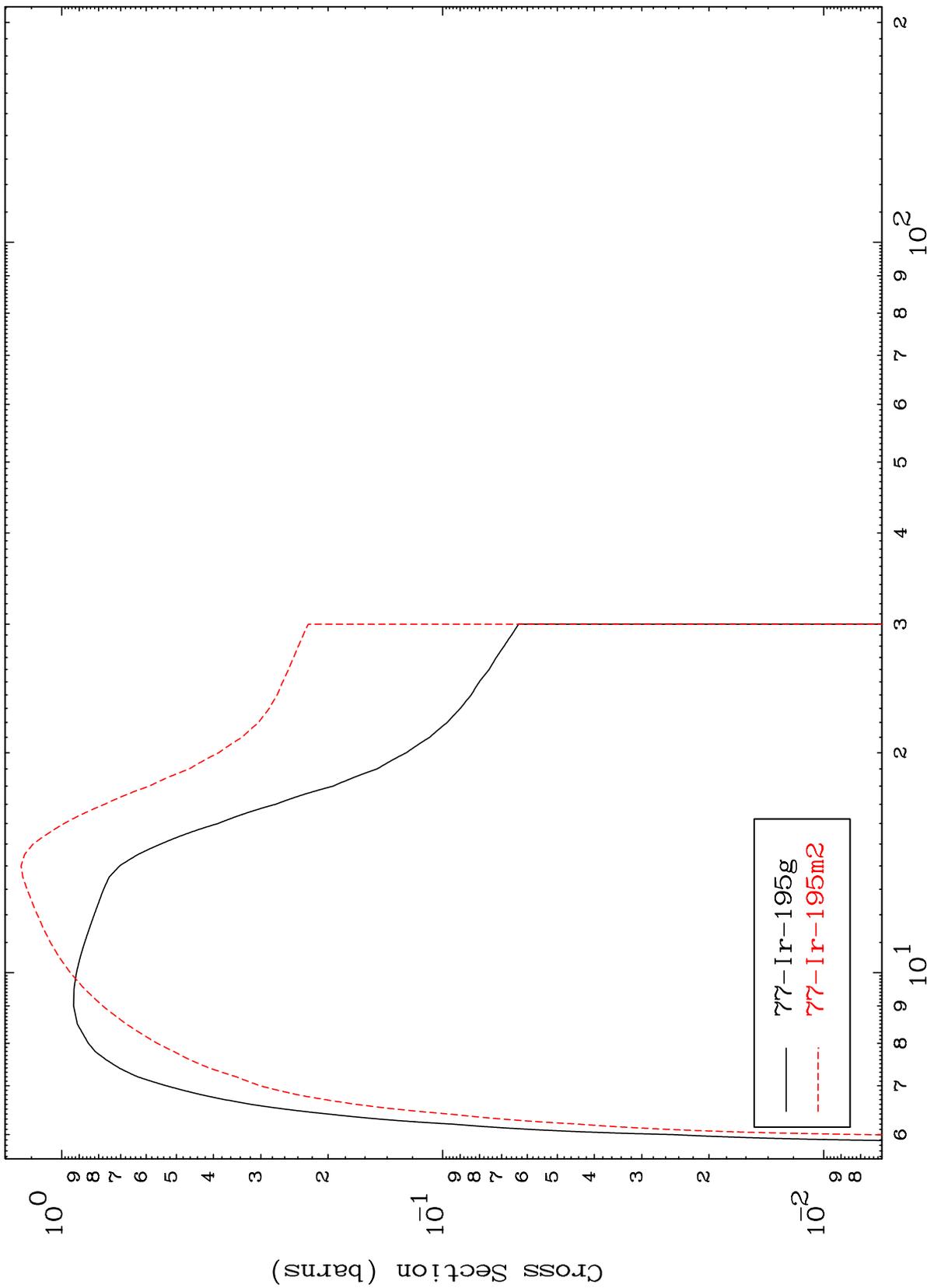
Incident Energy (MeV)

77-Ir-196

MAT 7740

77-Ir-196

(n,2n)  
Radionuclide Production Cross Section



126

Incident Energy (MeV)

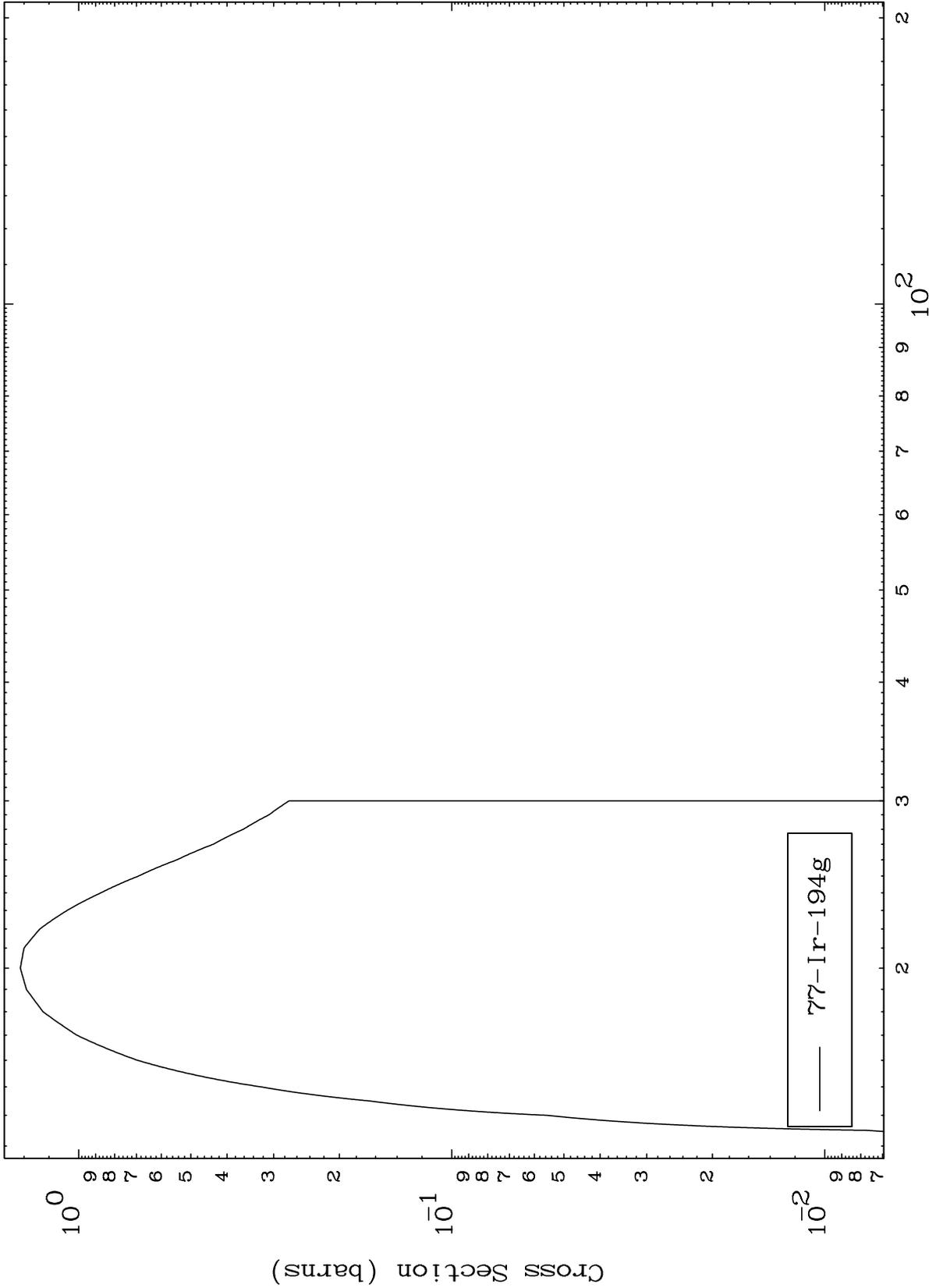
77-Ir-196

MAT 7740

(n,3n)

77-Ir-196

Radionuclide Production Cross Section



127

Incident Energy (MeV)

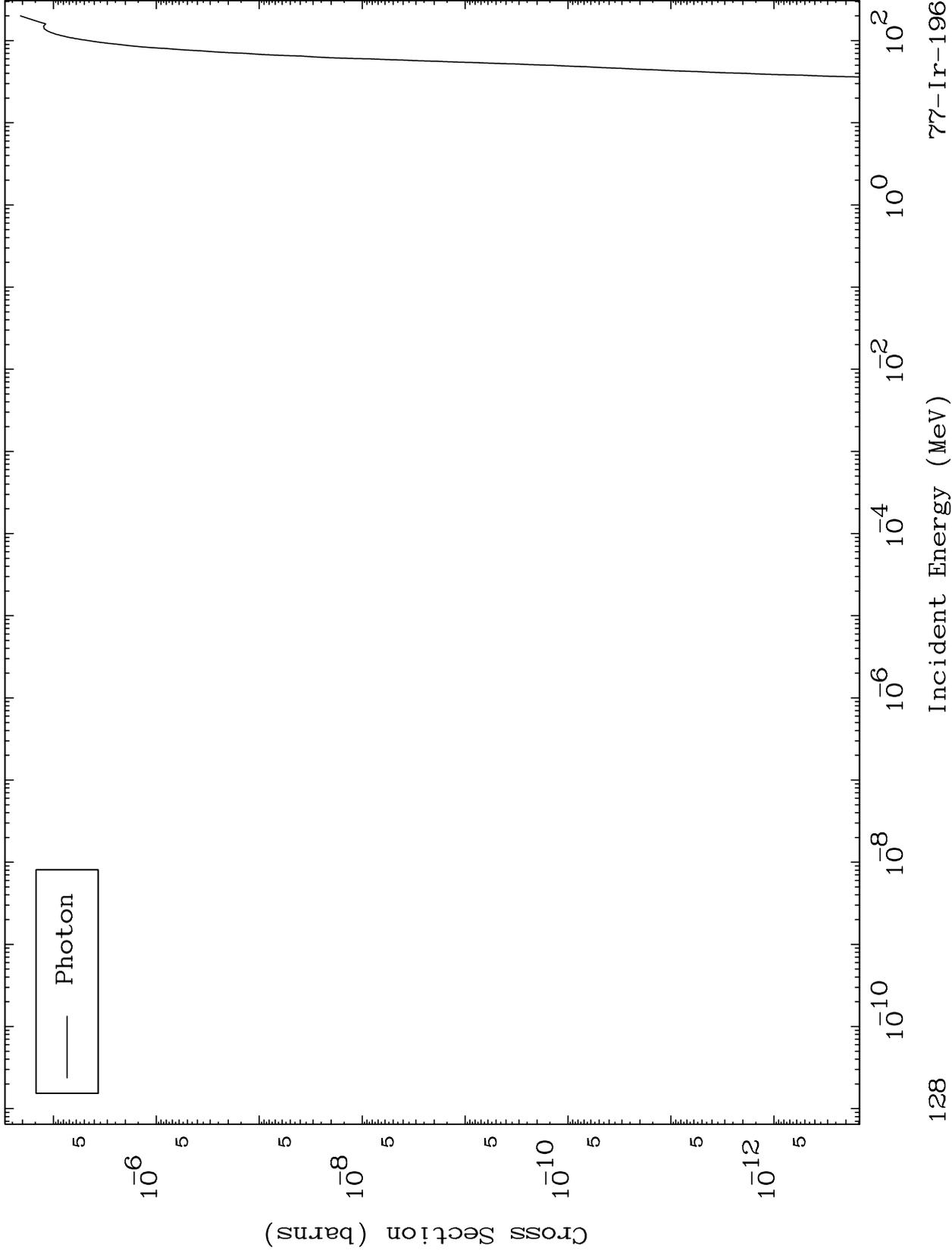
77-Ir-196

MAT 7740

Fission

<sup>77</sup>Ir-196

Radionuclide Production Cross Section

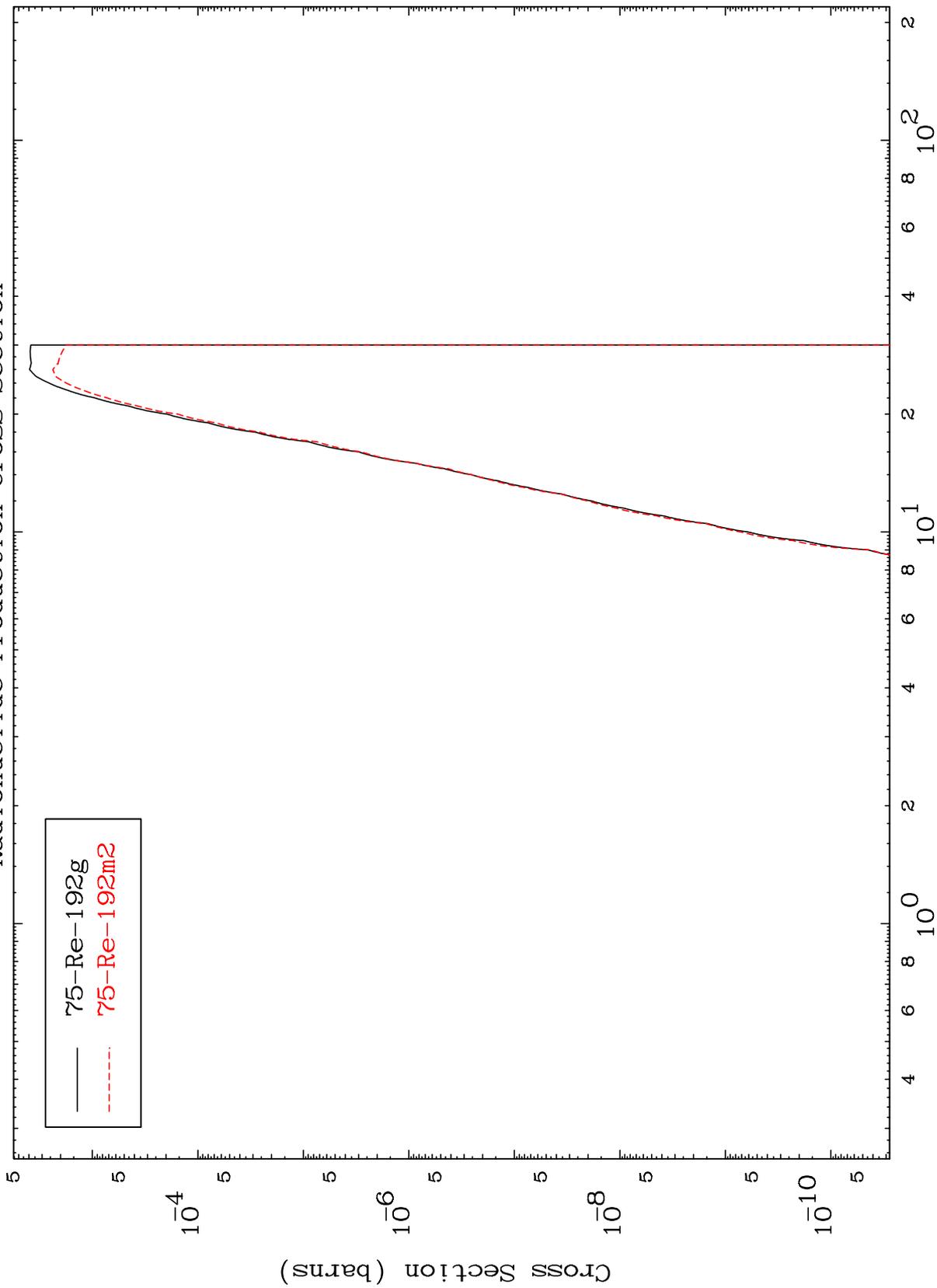


MAT 7740

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

77-Ir-196

Radionuclide Production Cross Section



129

Incident Energy (MeV)

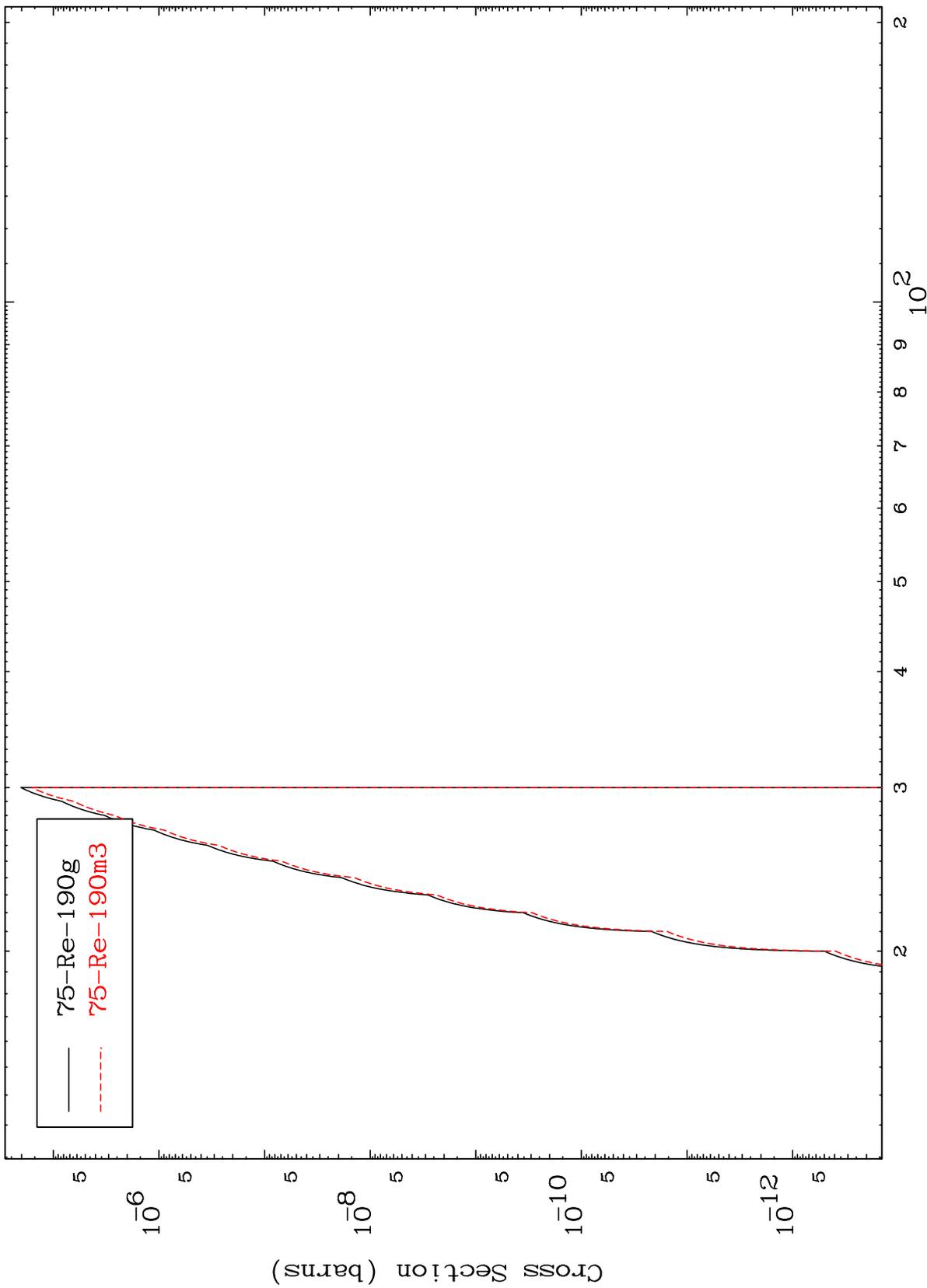
77-Ir-196

MAT 7740

(n,3n)  $\alpha$

77-Ir-196

Radionuclide Production Cross Section



130

Incident Energy (MeV)

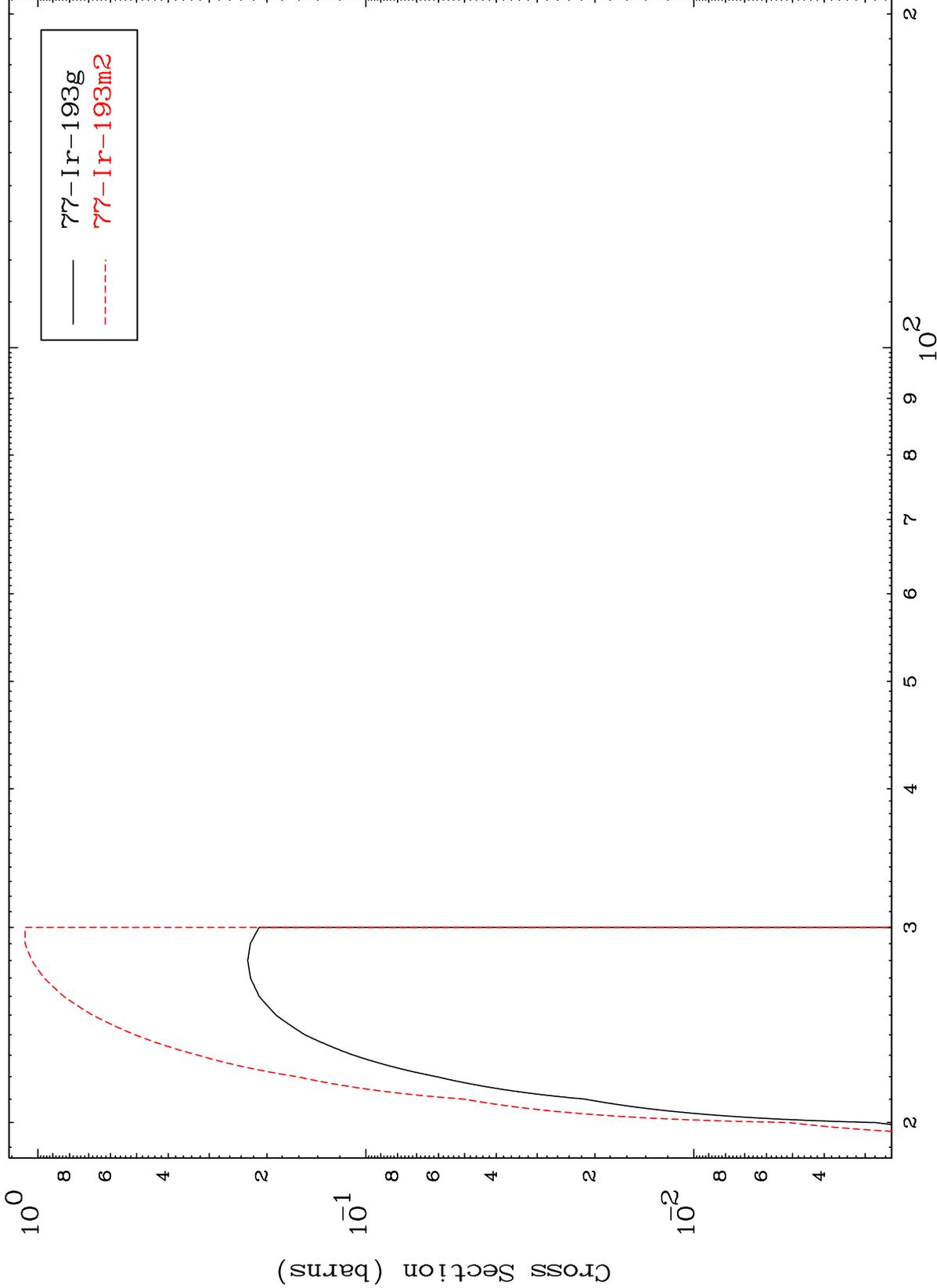
77-Ir-196

MAT 7740

(n,4n)

77-Ir-196

Radionuclide Production Cross Section



77-Ir-193g  
77-Ir-193m2

131

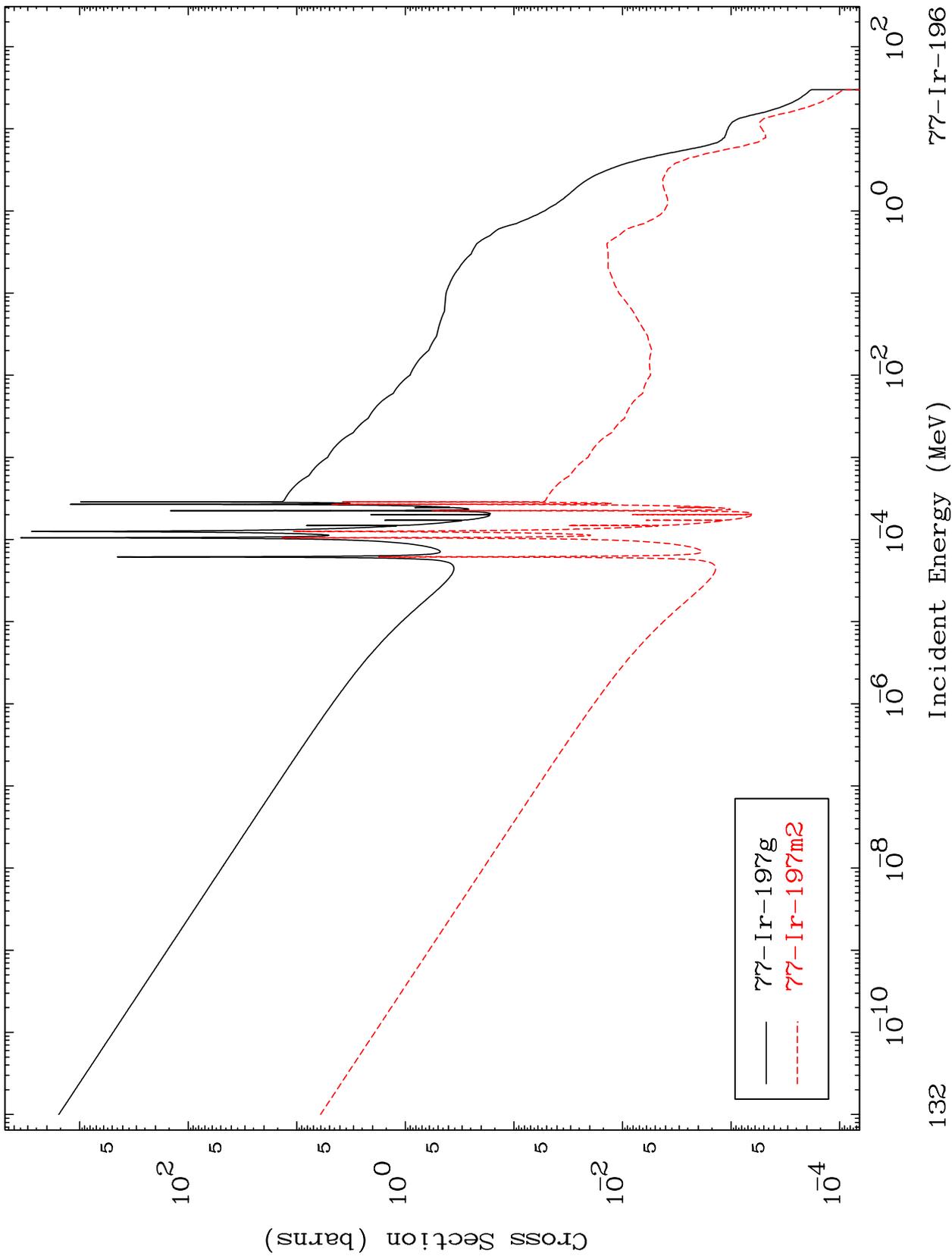
Incident Energy (MeV)

77-Ir-196

MAT 7740

77-Ir-196

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



132

77-Ir-196