

Program EVALPLOT
(Version 2018-1)

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

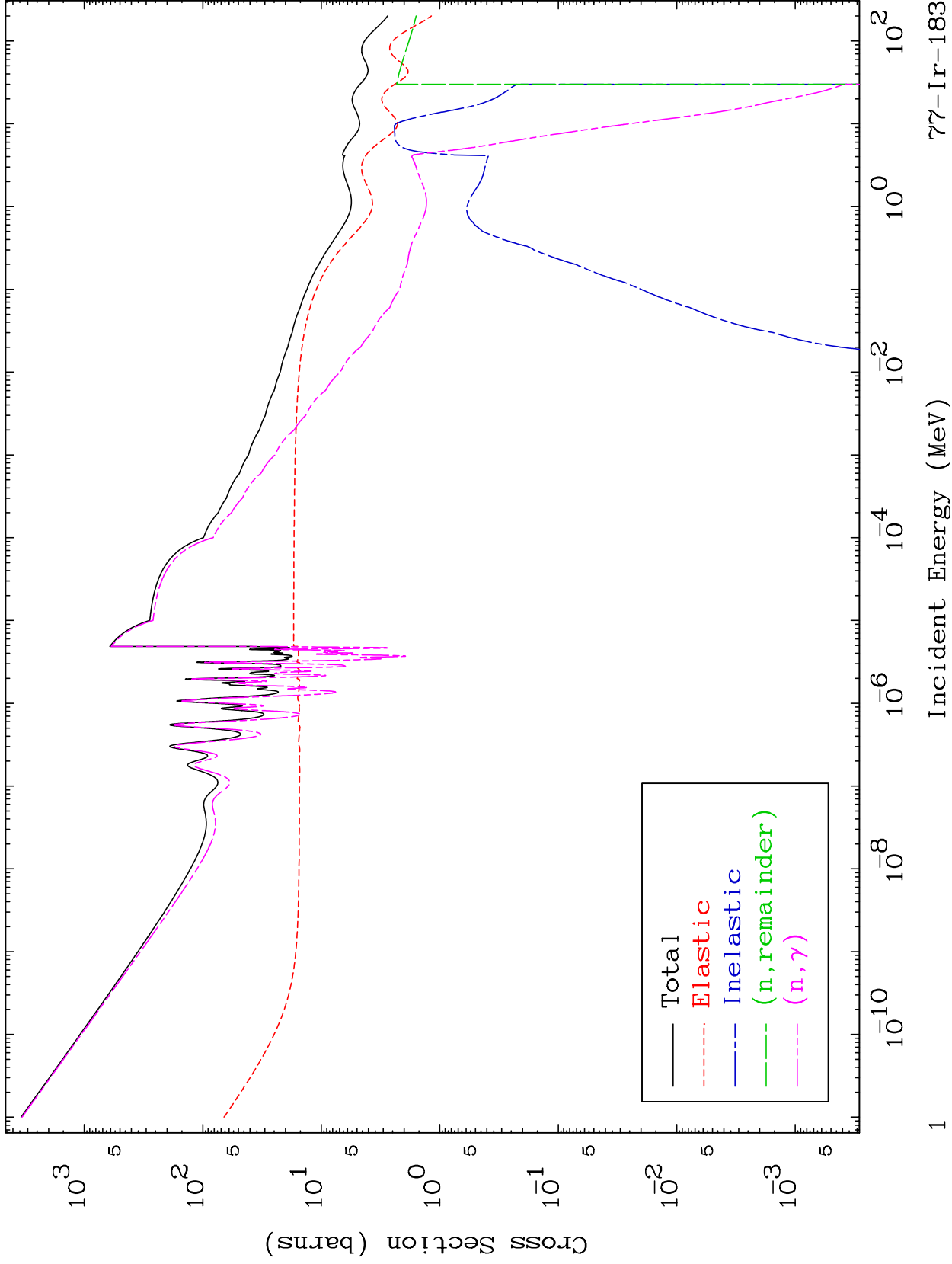
Press Mouse Button to Start

MAT 7701

Major

293 Kelvin Cross Sections

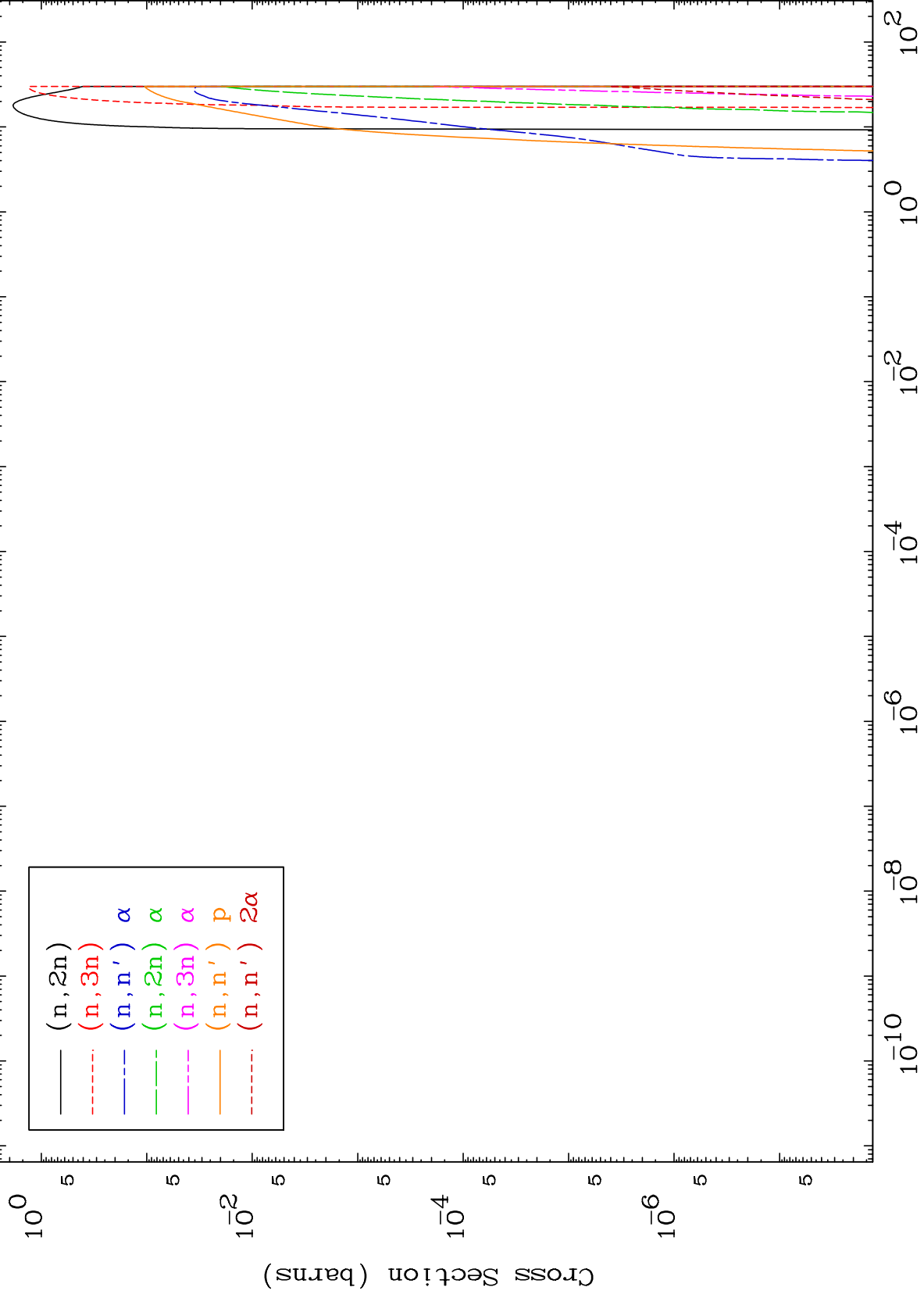
77-Ir-183



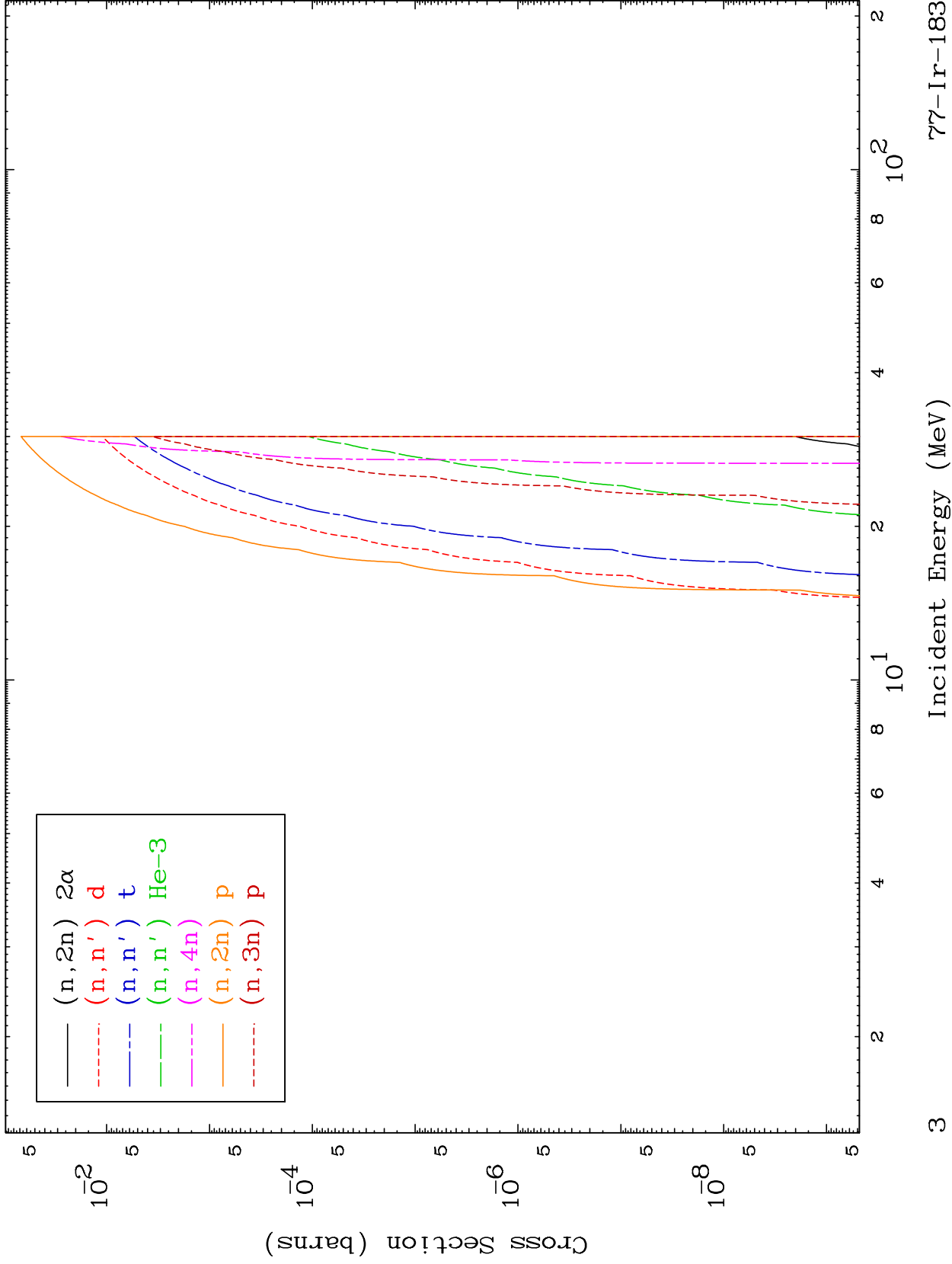
MAT 7701

Neutron Production
293 Kelvin Cross Sections

77-Ir-183



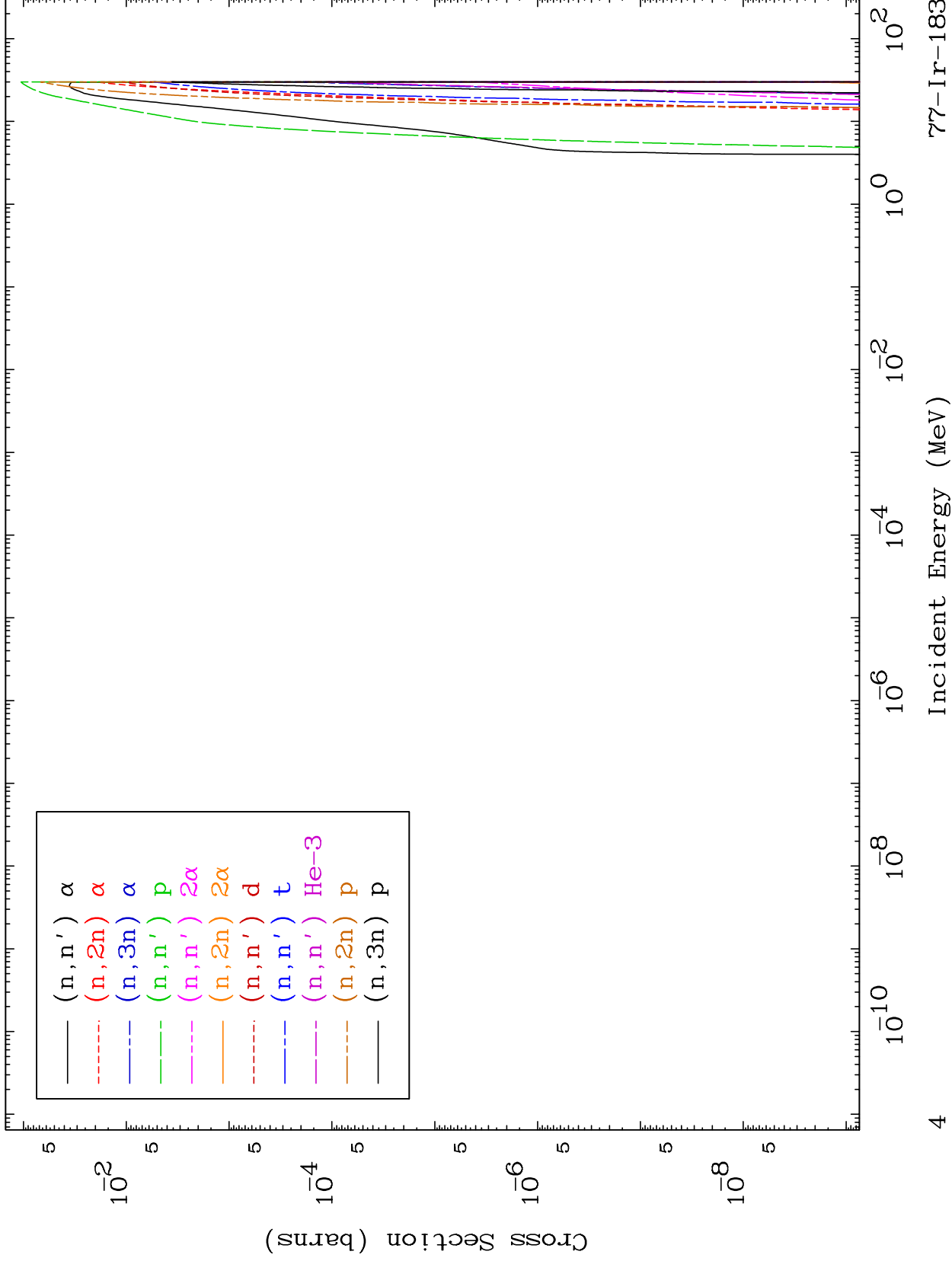
77-Ir-183



MAT 7701

Charged Particle
293 Kelvin Cross Sections

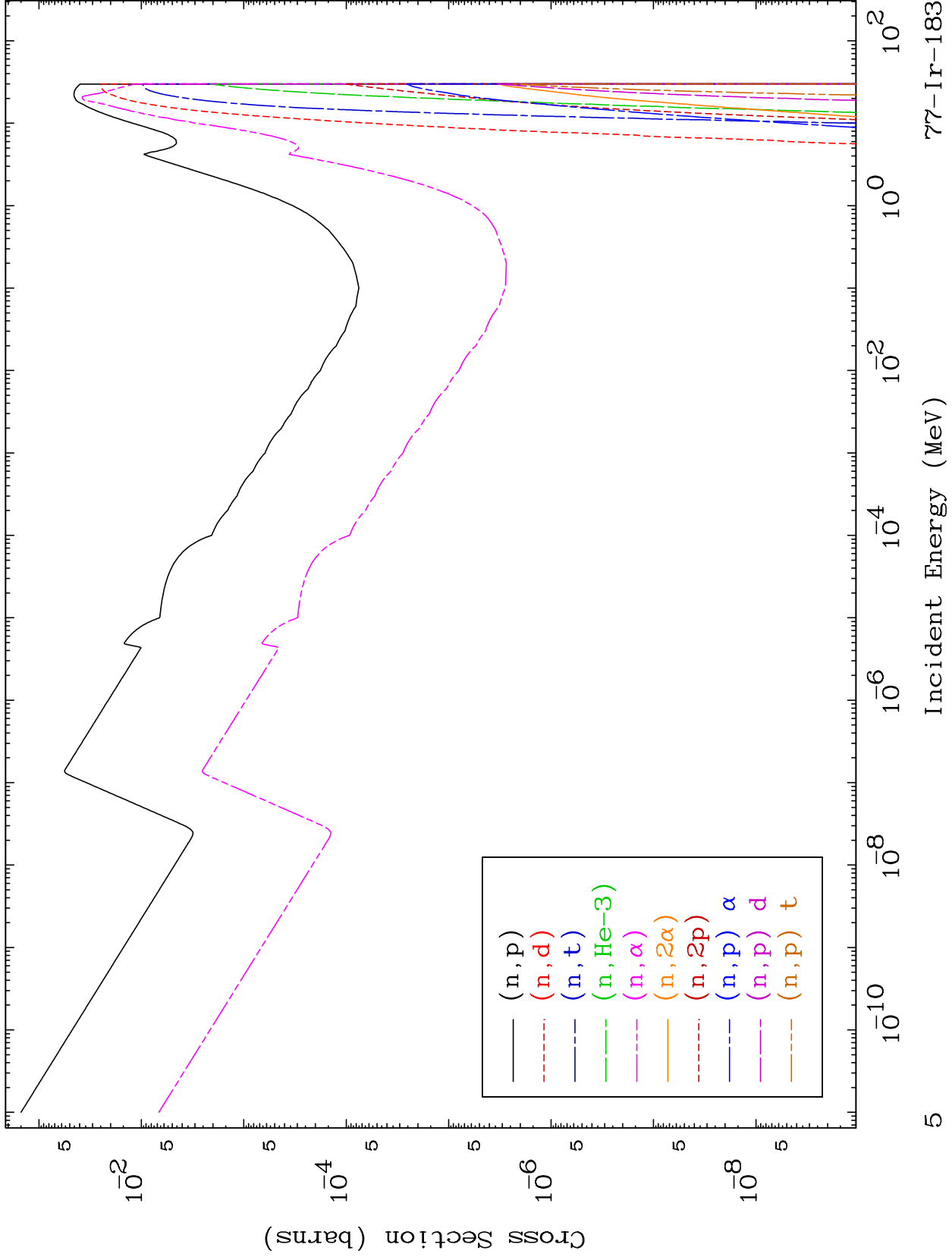
⁷⁷Ir-183



MAT 7701

Charged Particle
293 Kelvin Cross Sections

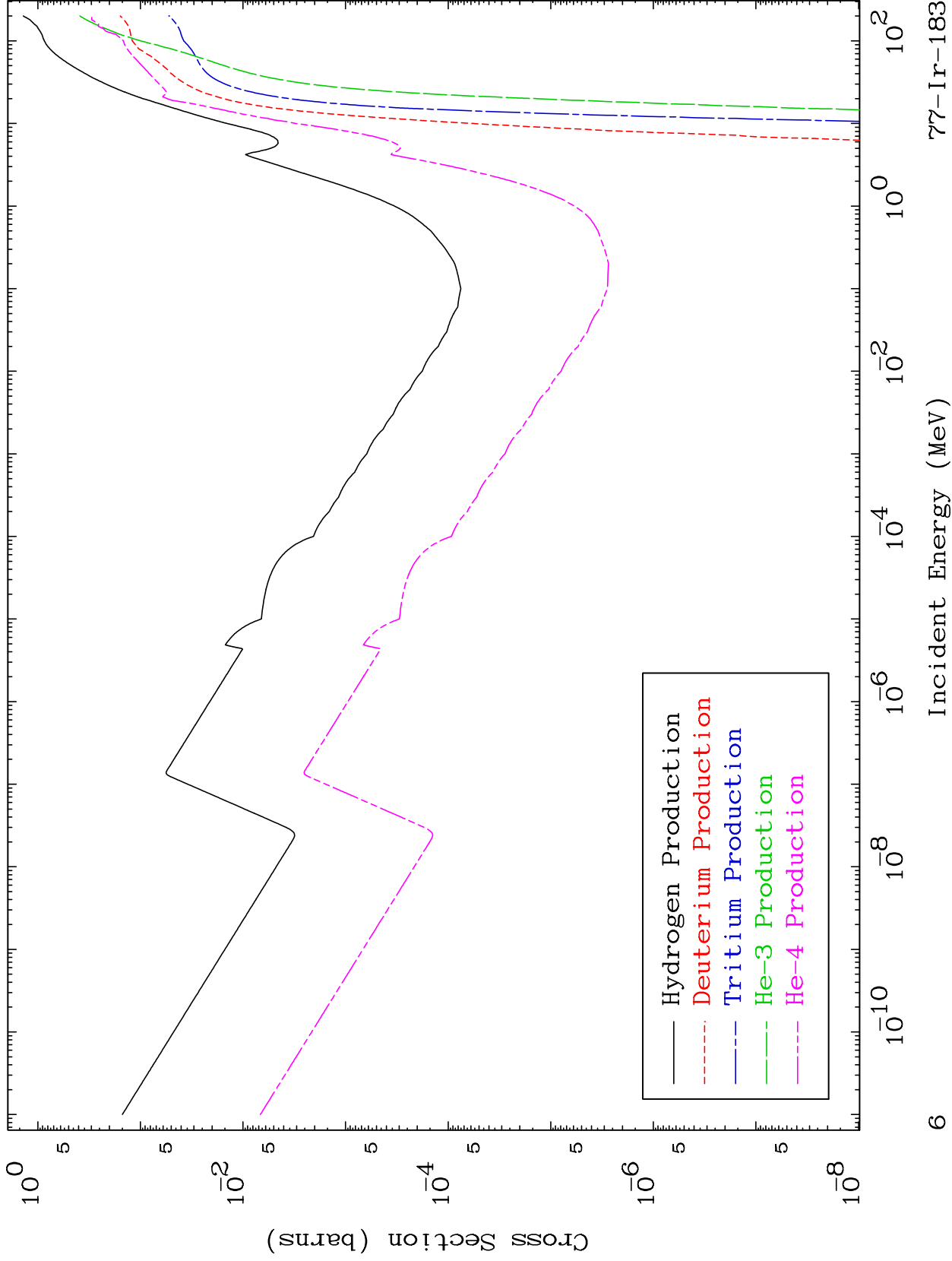
77-Ir-183

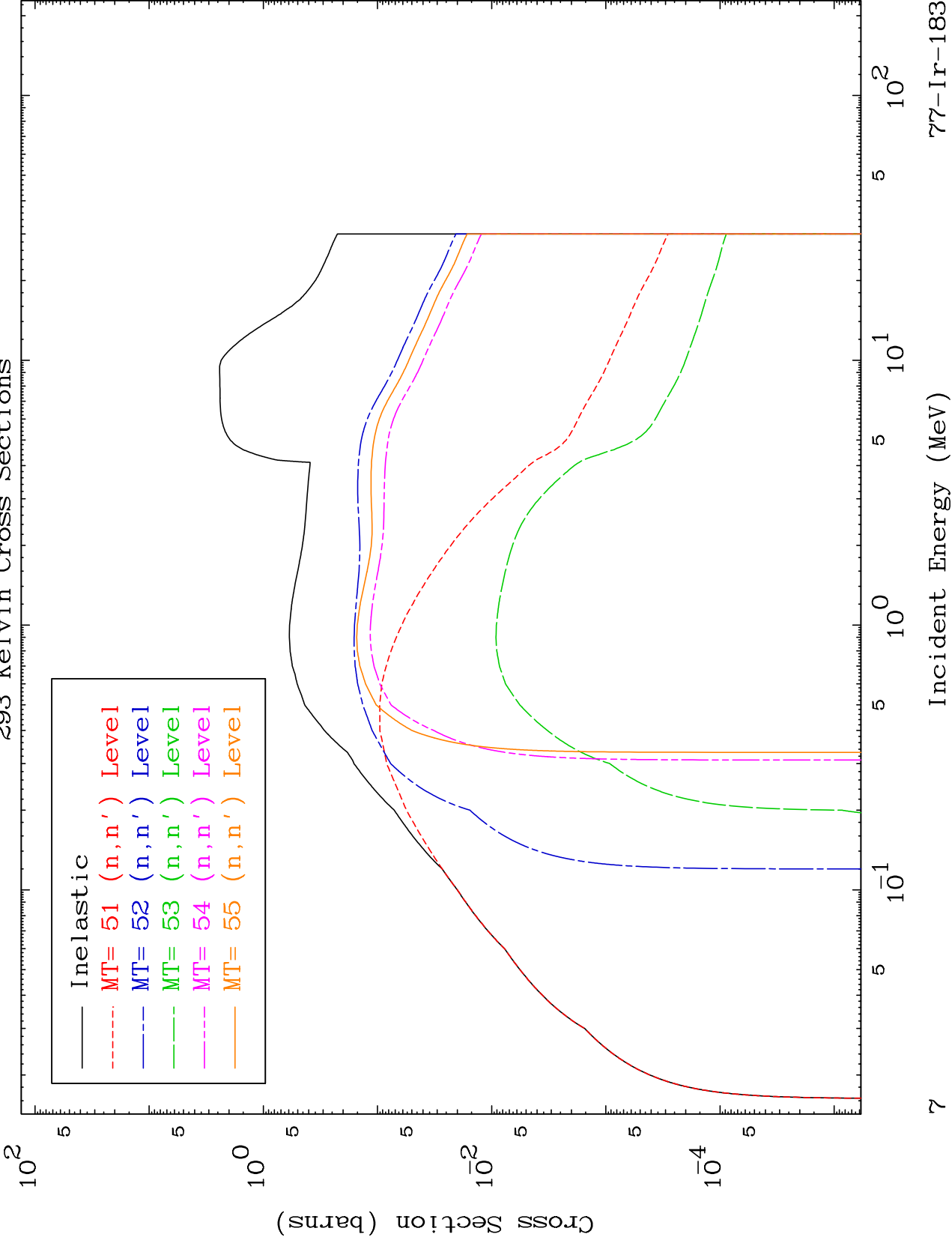


MAT 7701

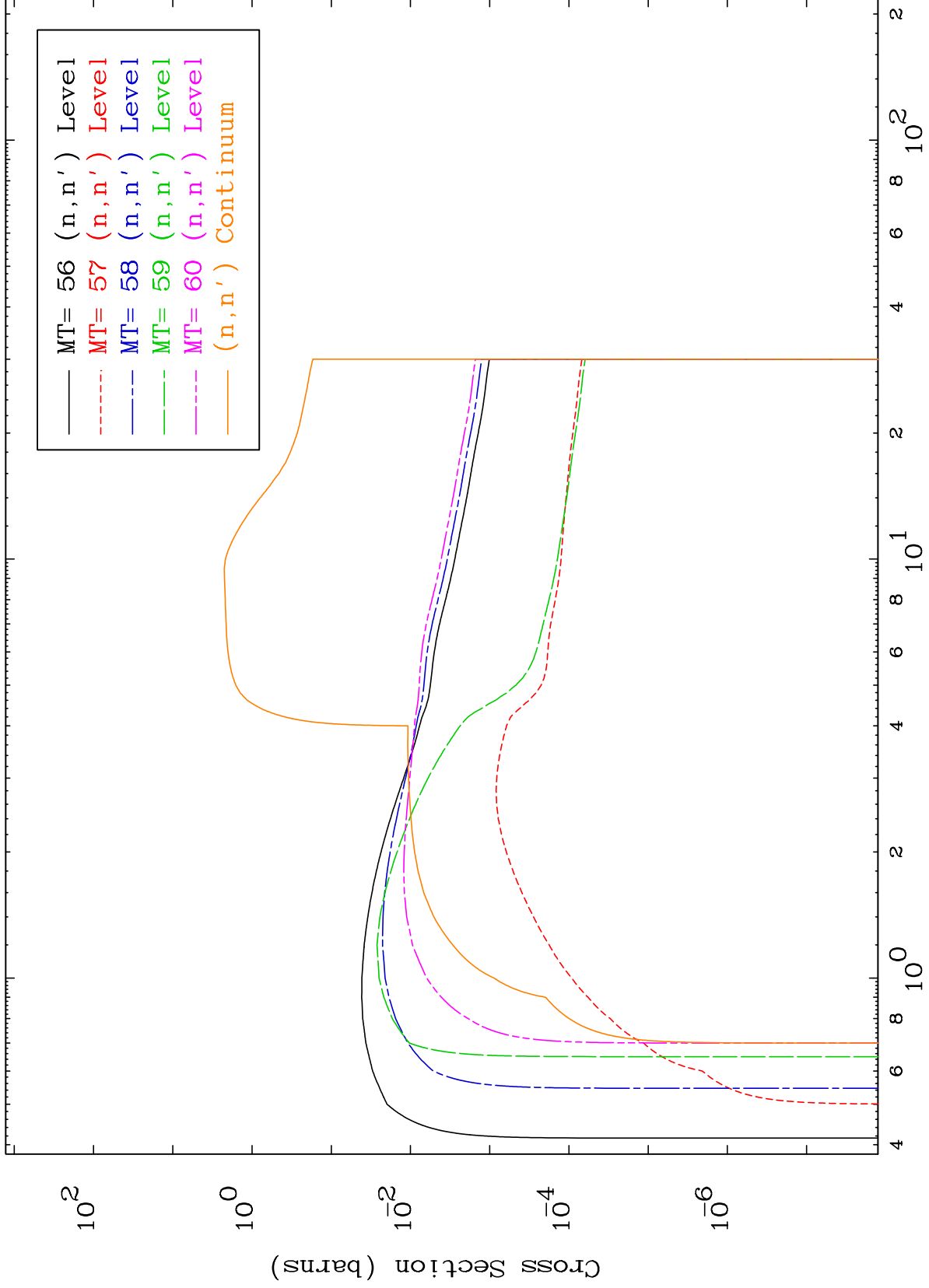
Particle Production
293 Kelvin Cross Sections

77-Ir-183





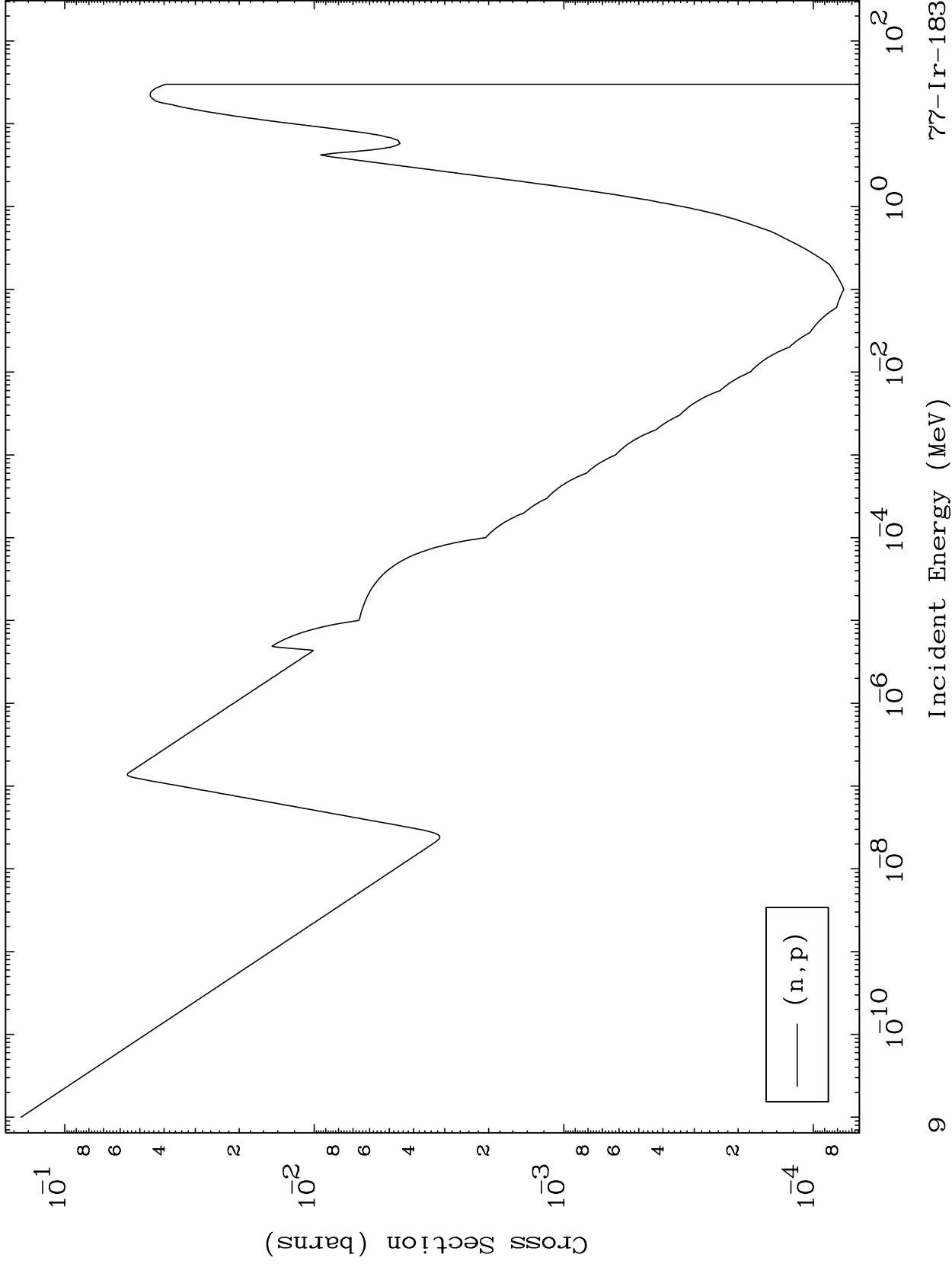
293 Kelvin Cross Sections



MAT 7701

(n,p) Levels
293 Kelvin Cross Sections

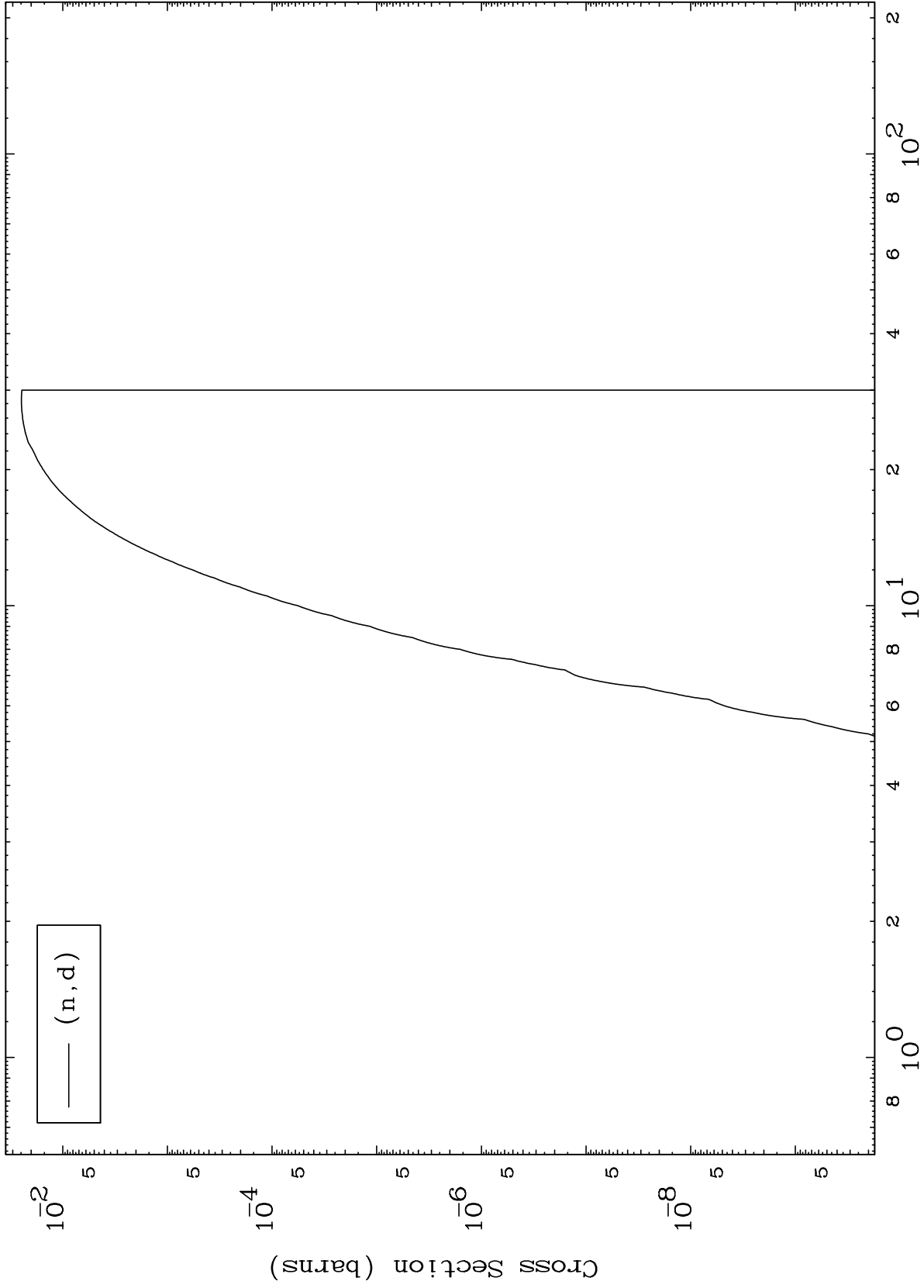
77-Ir-183



MAT 7701

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-183



10

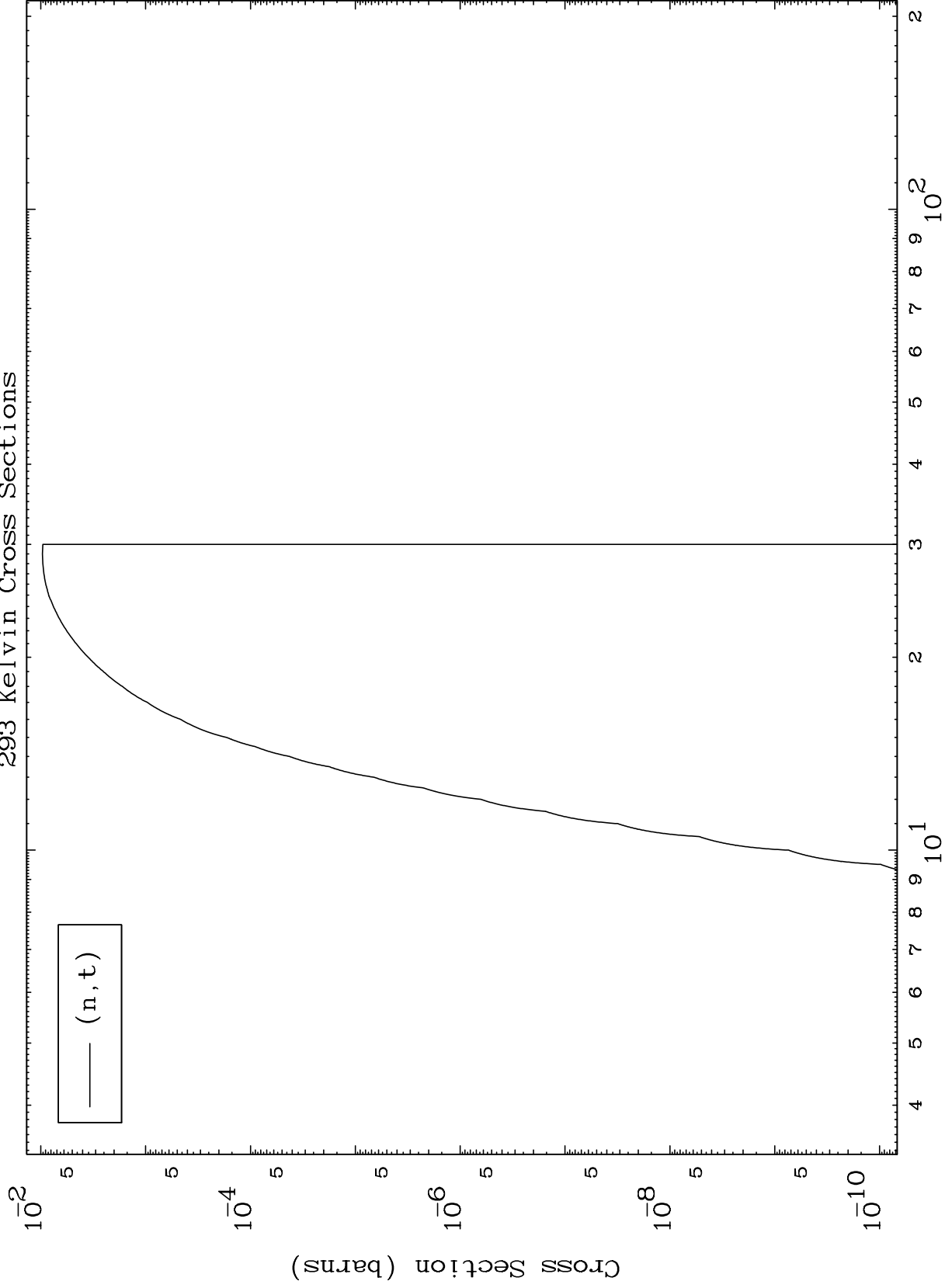
Incident Energy (MeV)

77-Ir-183

MAT 7701

(n,t) Levels
293 Kelvin Cross Sections

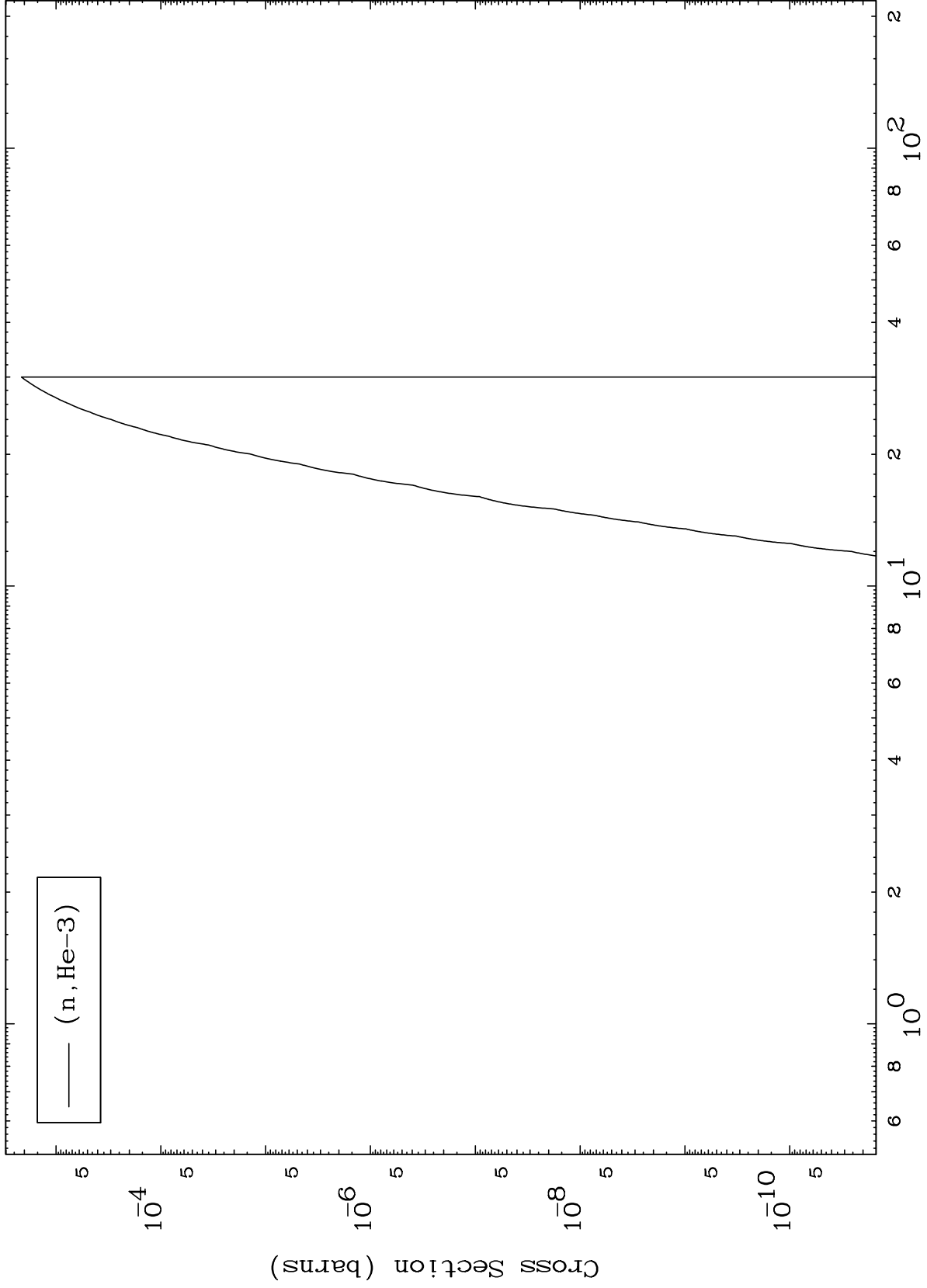
77-Ir-183



MAT 7701

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-183



12

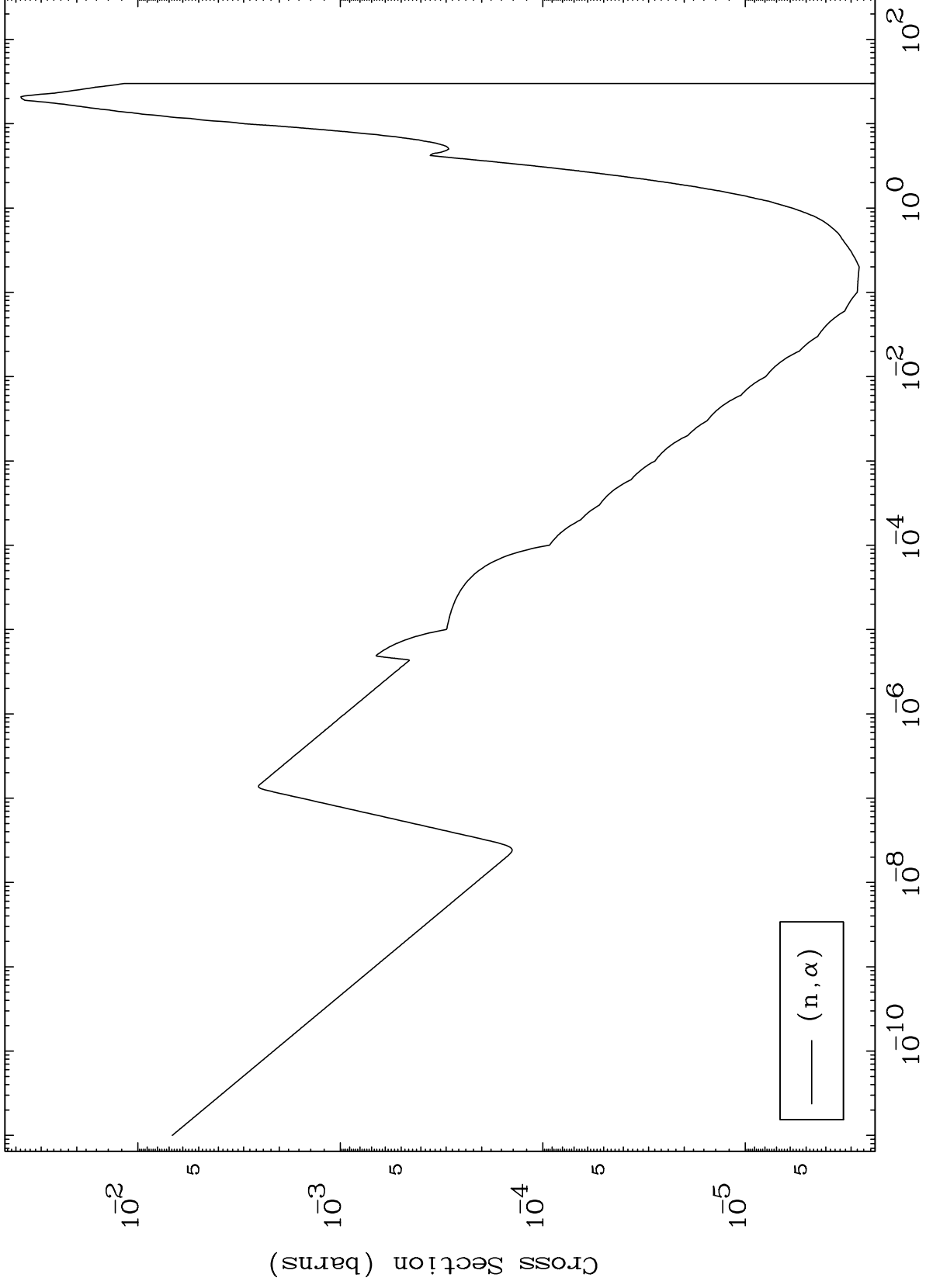
Incident Energy (MeV)

77-Ir-183

MAT 7701

(n,α) Levels
293 Kelvin Cross Sections

77-Ir-183

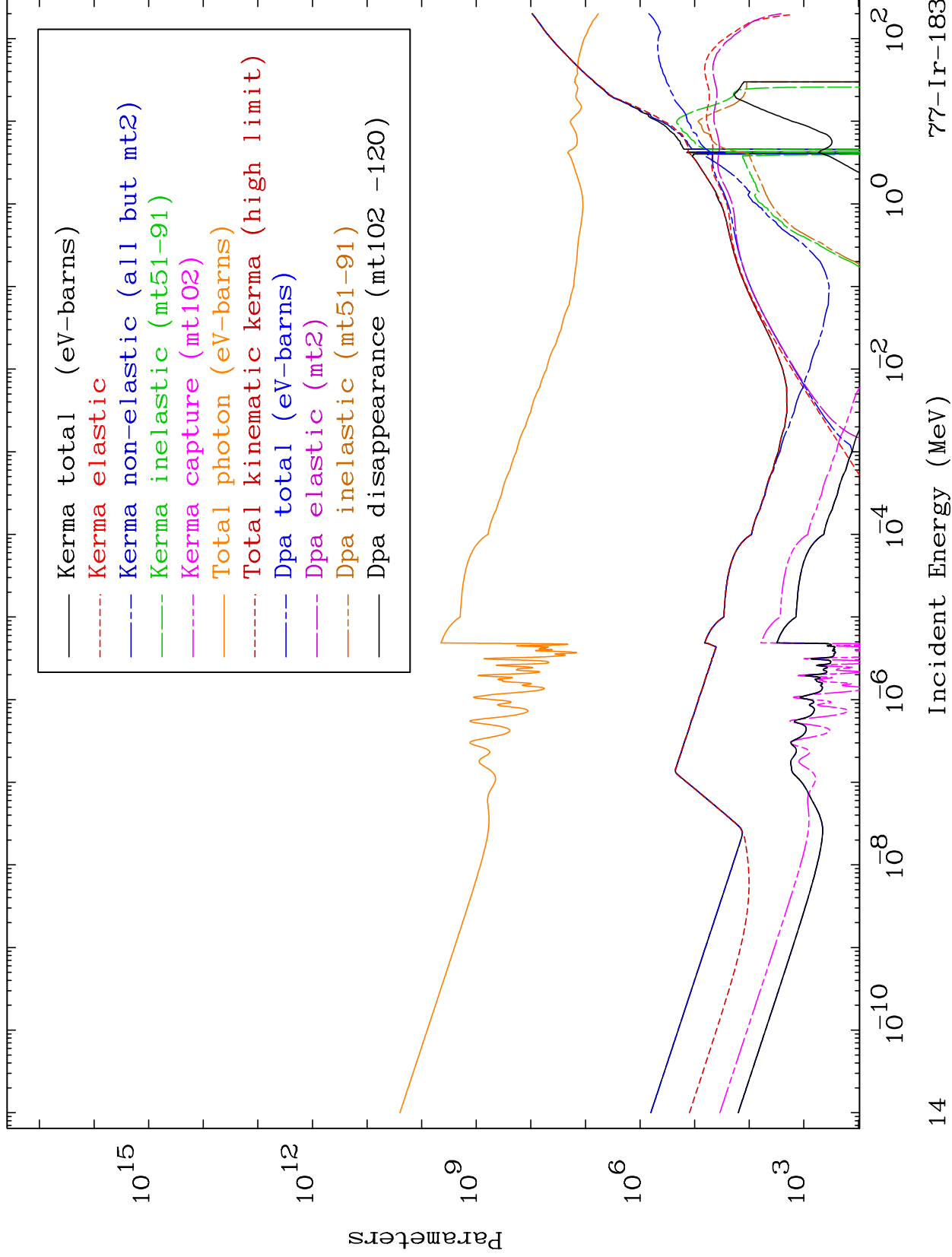


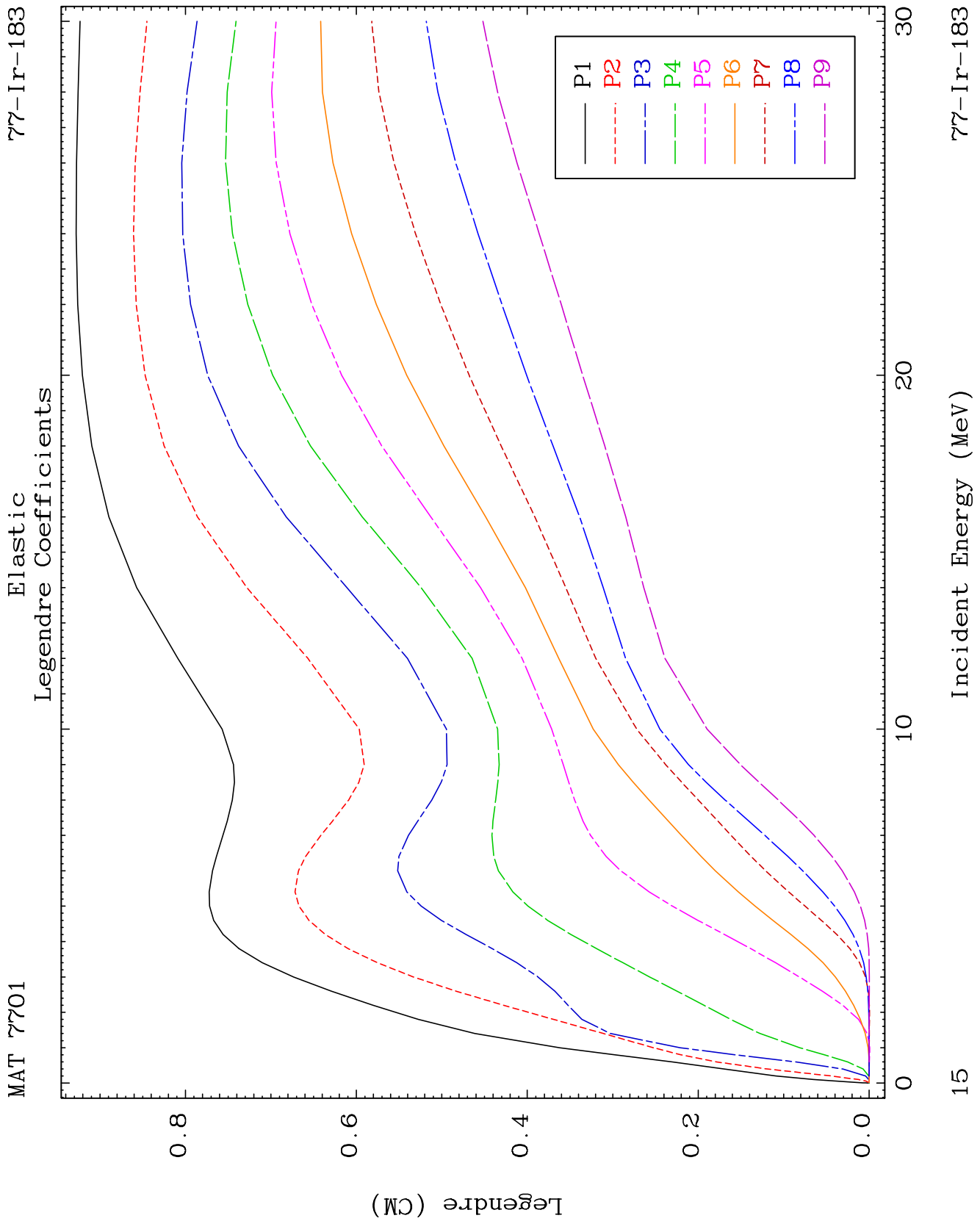
(n,α)

13

Incident Energy (MeV)

77-Ir-183





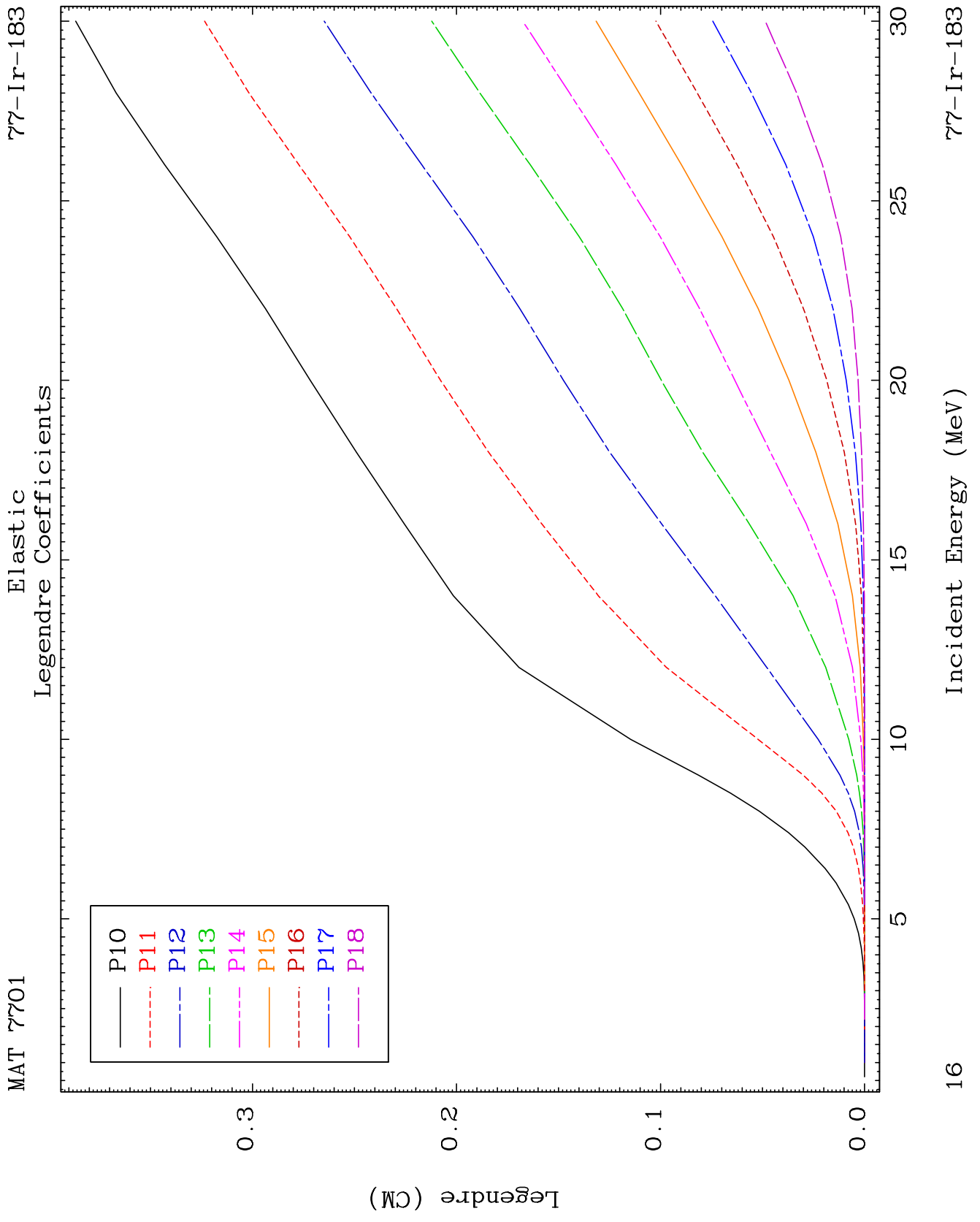
MAT 7701

$^{77}\text{Ir-183}$

15

Incident Energy (MeV)

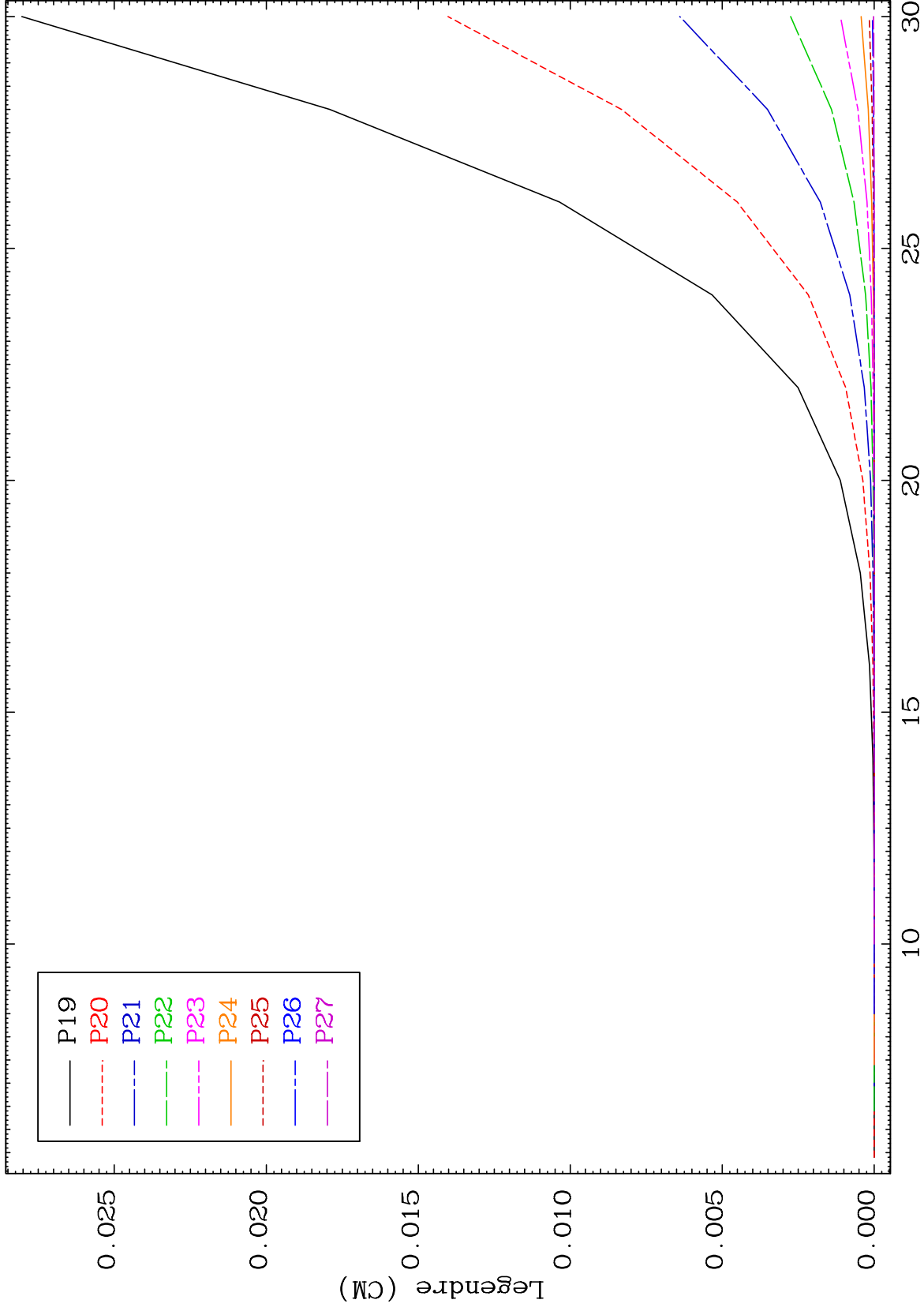
$^{77}\text{Ir-183}$



MAT 7701

Elastic Legendre Coefficients

77-Ir-183



17

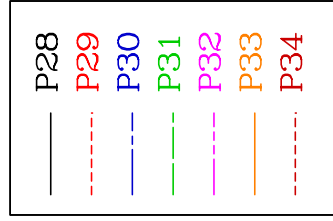
Incident Energy (MeV)

77-Ir-183

MAT 7701

Elastic
Legendre Coefficients

77-Ir-183



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

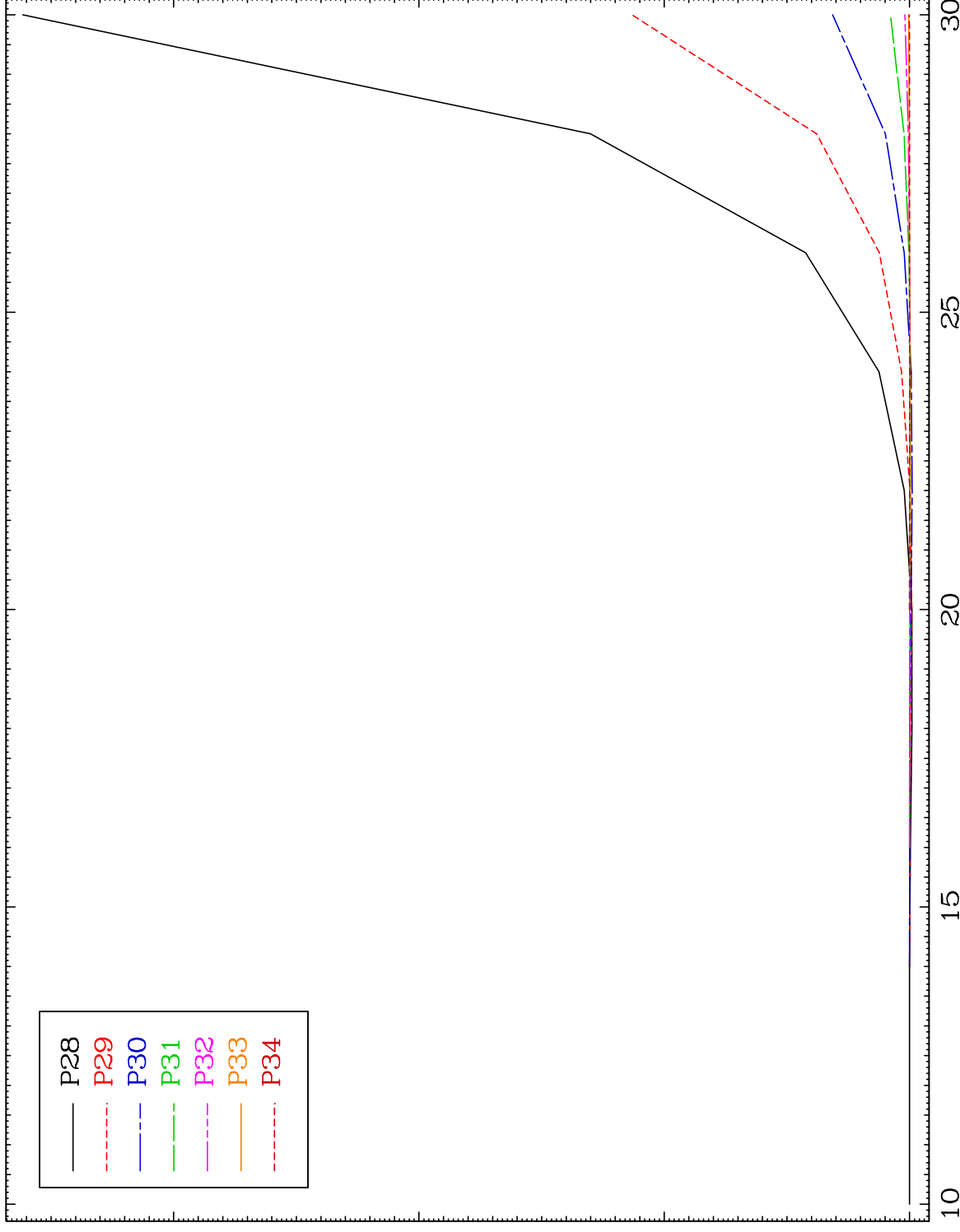
25

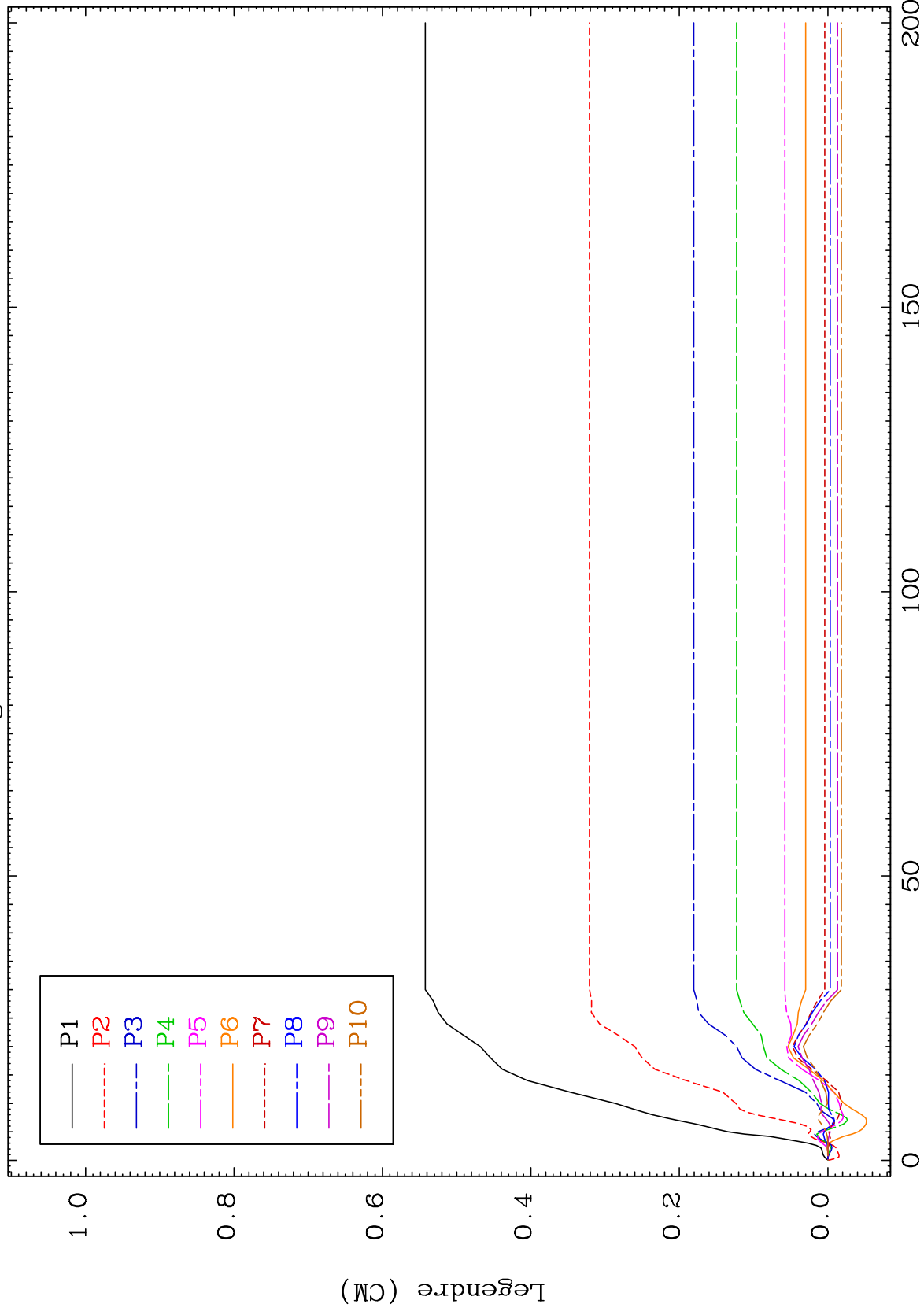
30

18

Incident Energy (MeV)

77-Ir-183

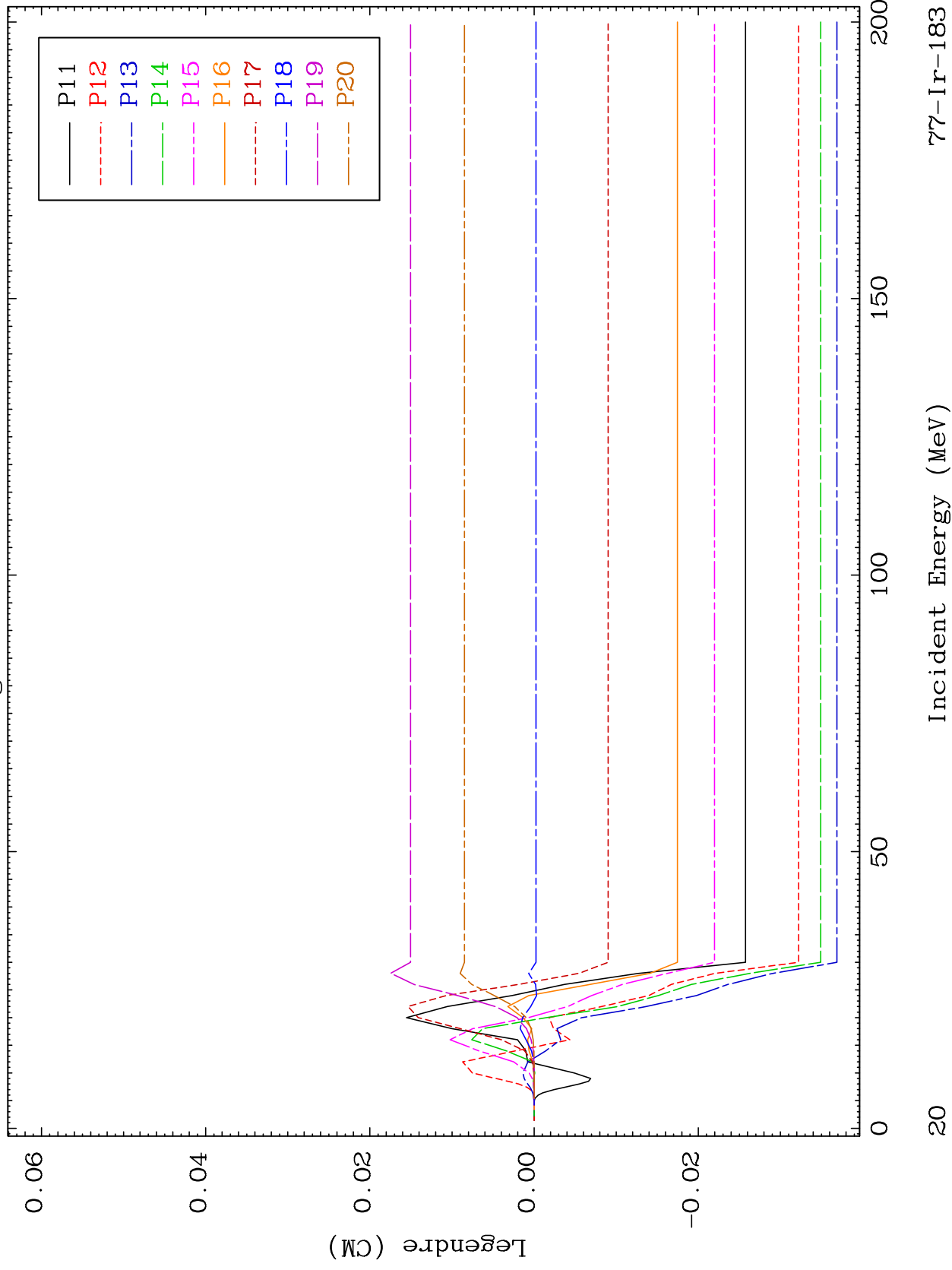




MAT 7701

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

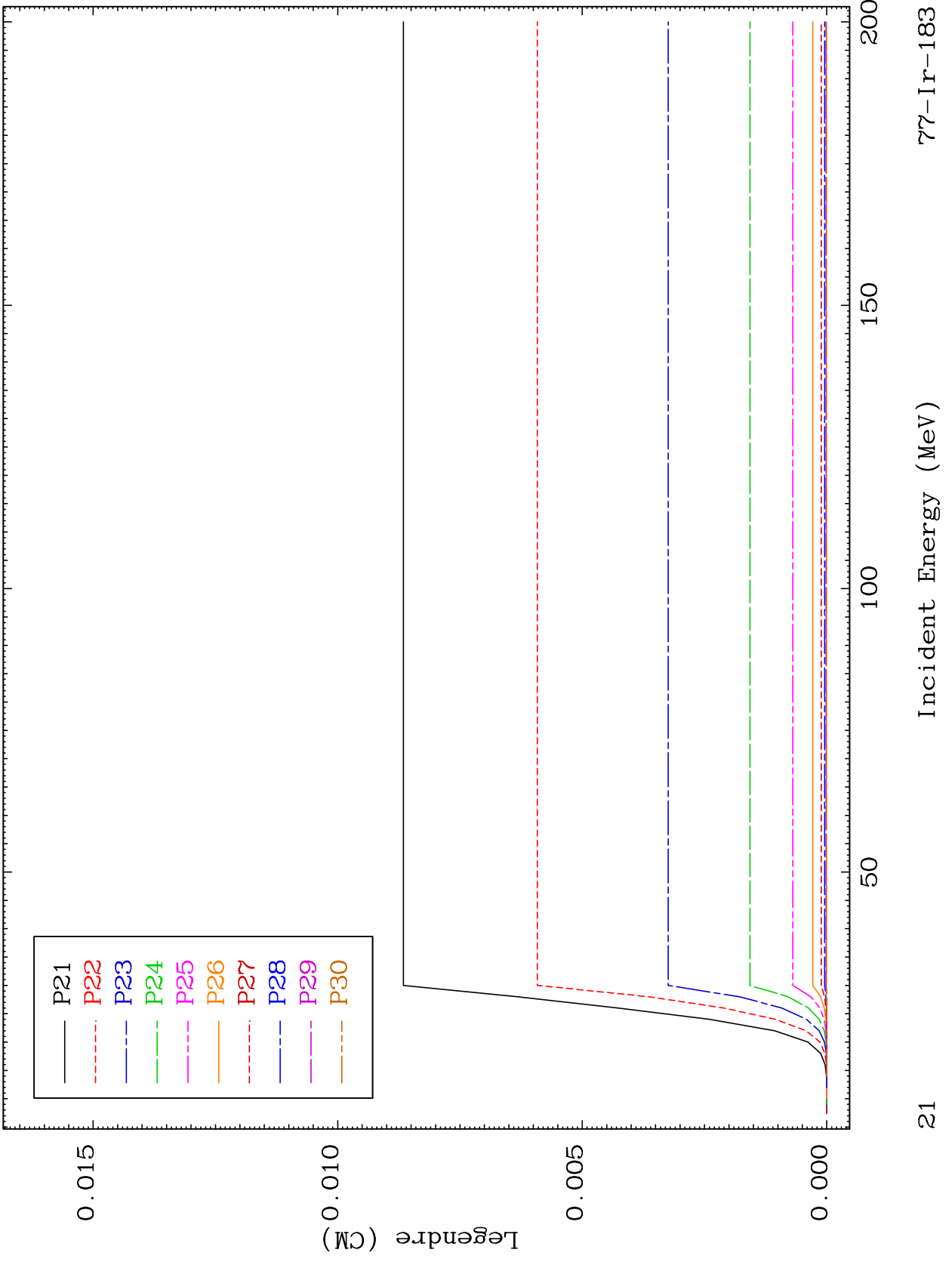
77-Ir-183

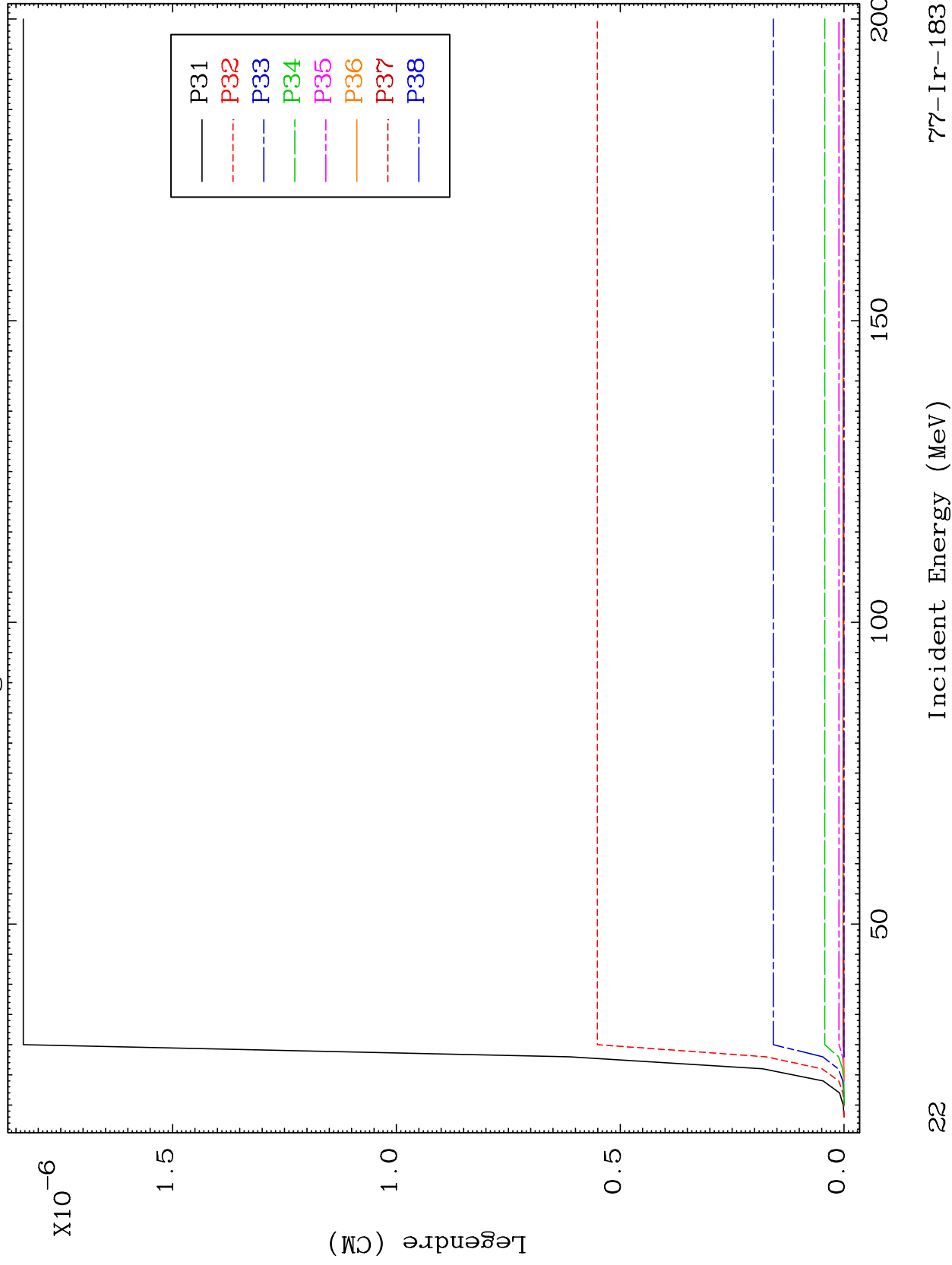


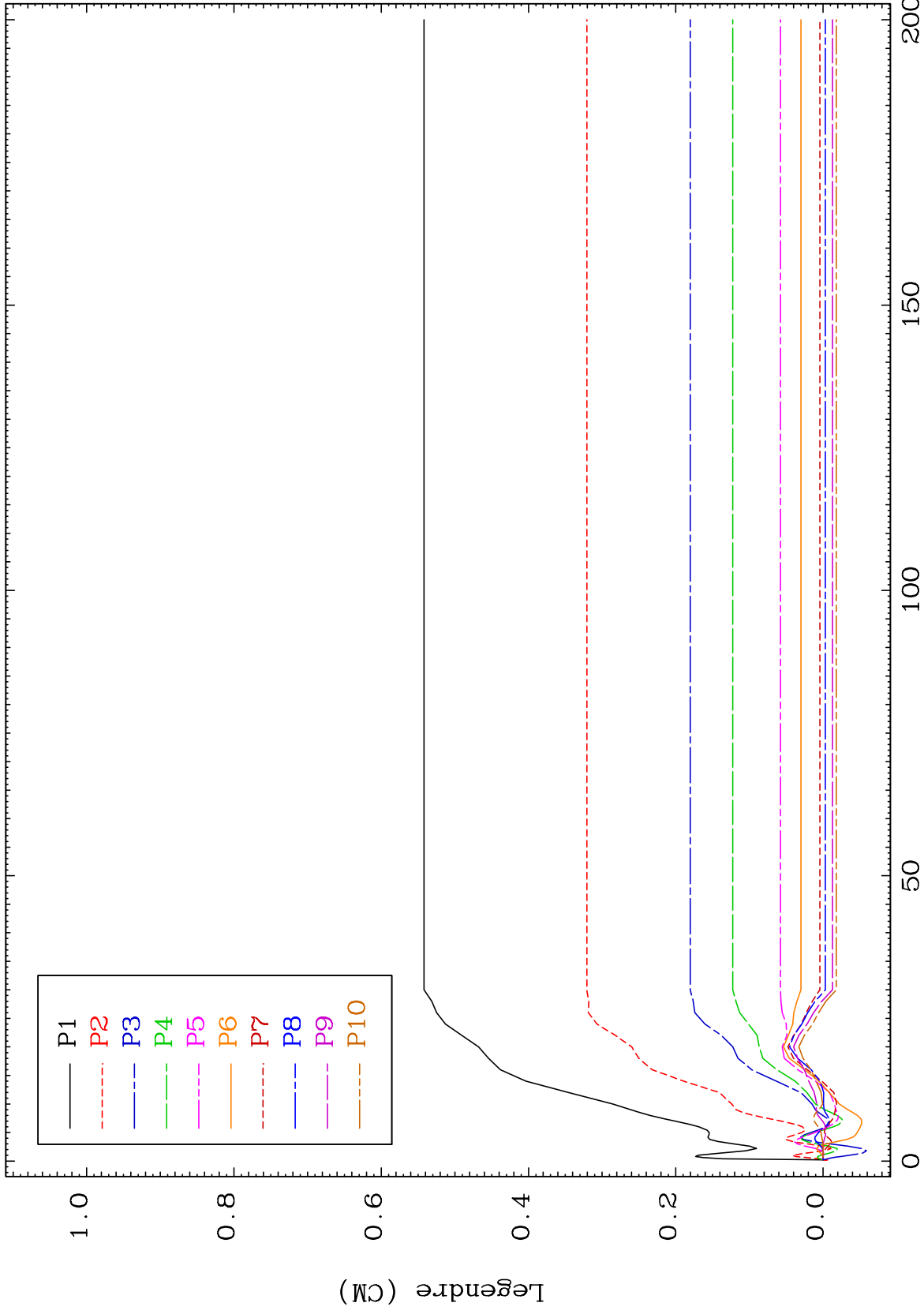
77-Ir-183

Incident Energy (MeV)

20



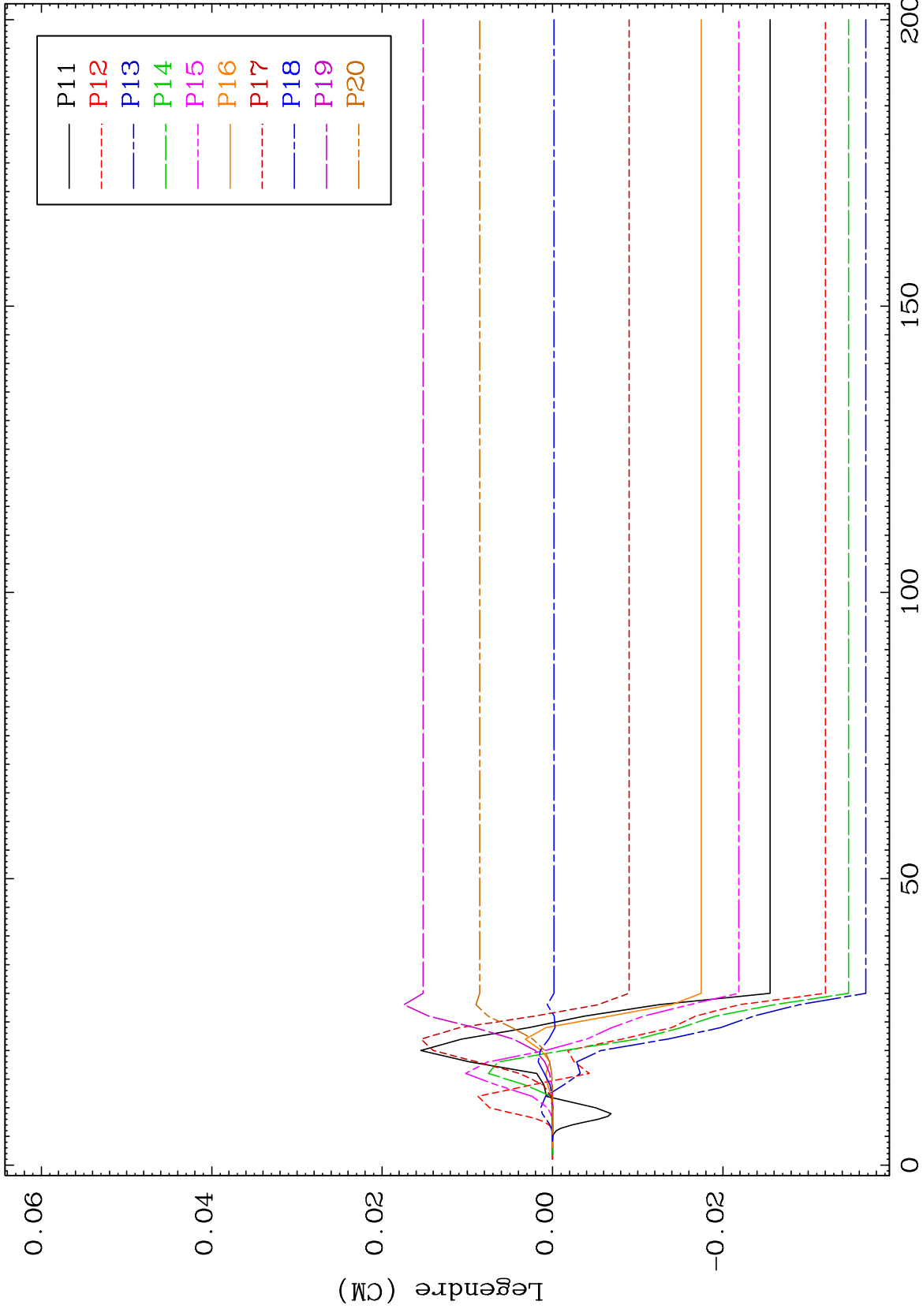




MAT 7701

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

77-Ir-183



24

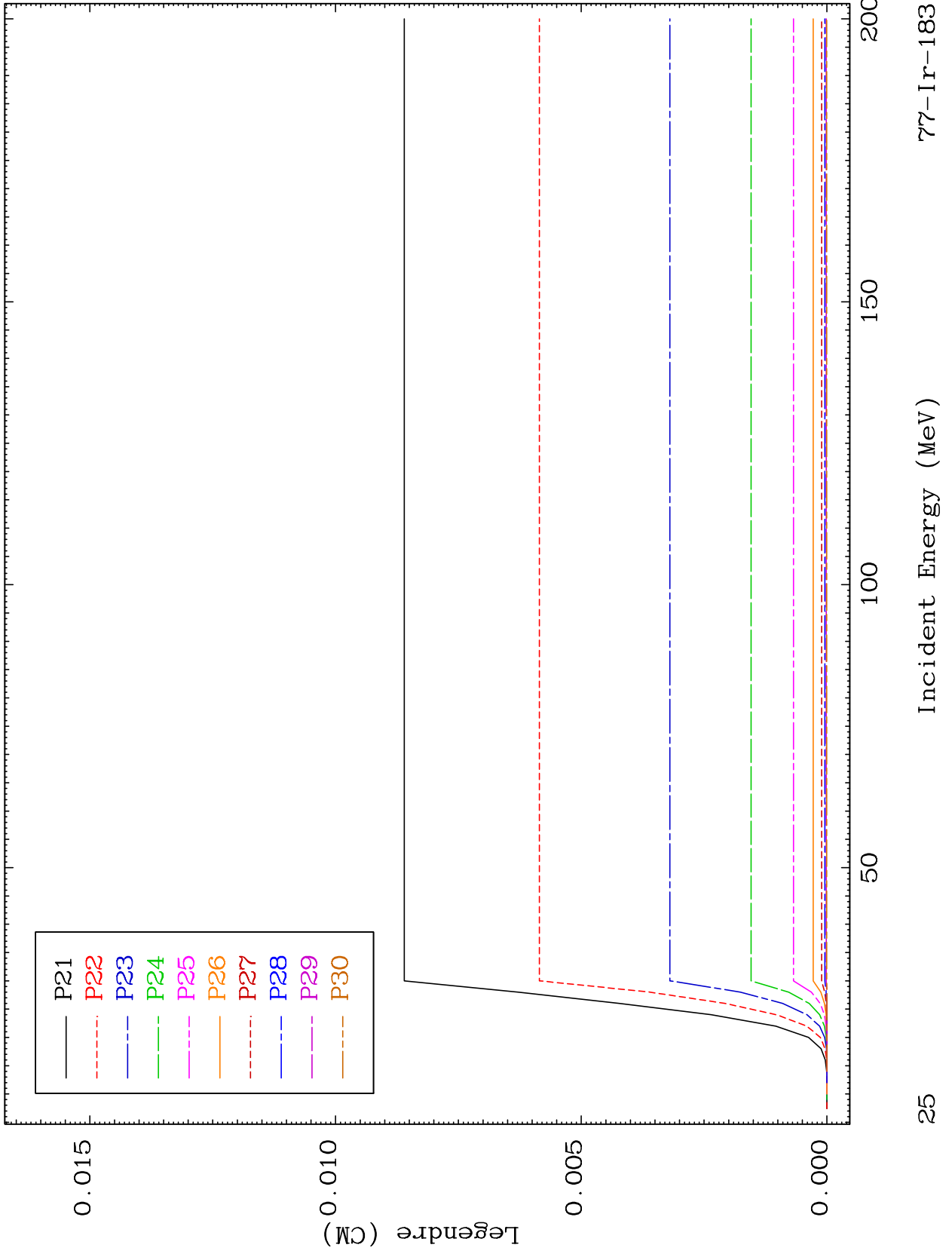
Incident Energy (MeV)

77-Ir-183

MAT 7701

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

77-Ir-183



25

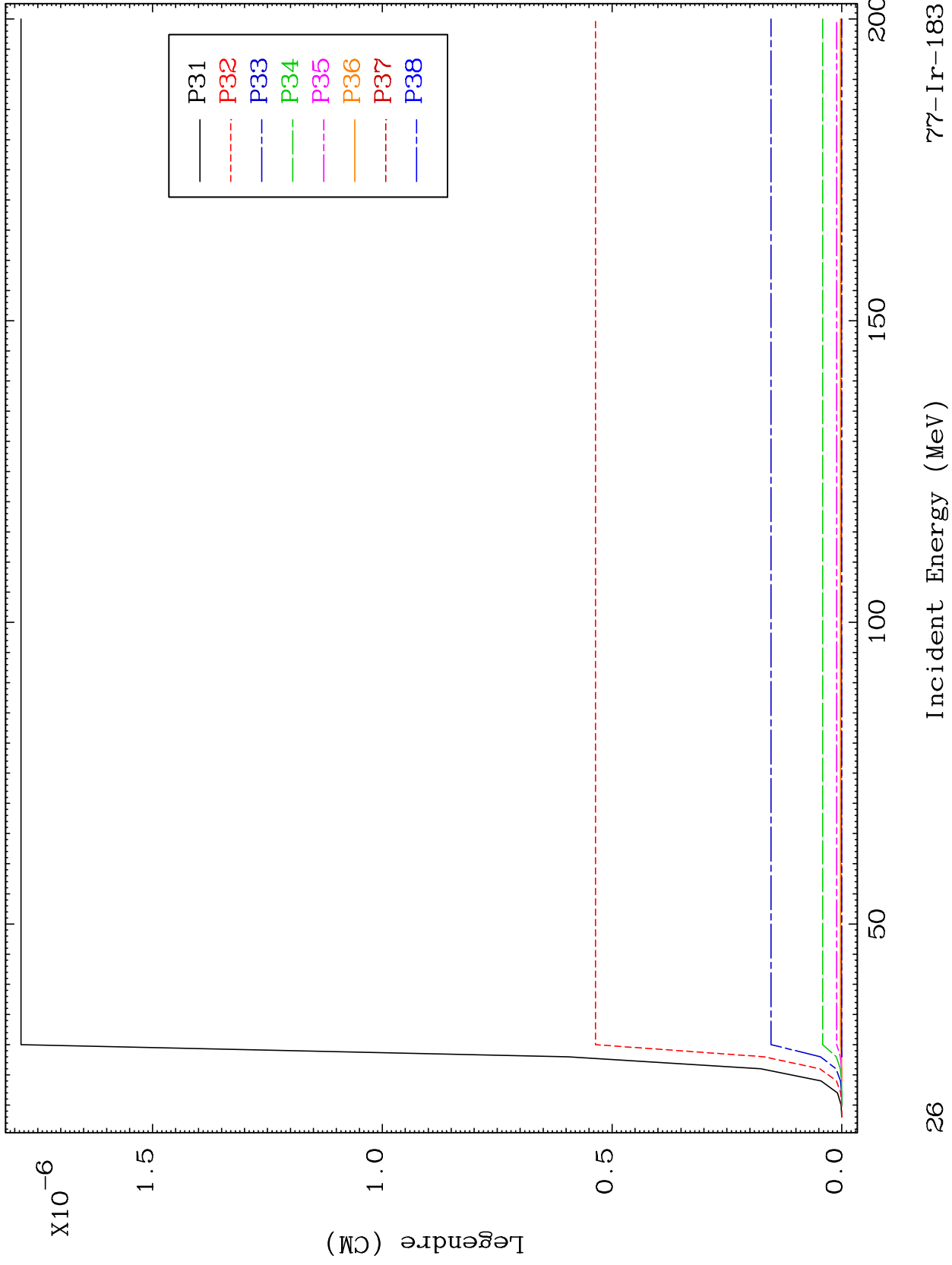
Incident Energy (MeV)

77-Ir-183

MAT 7701

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

77-Ir-183

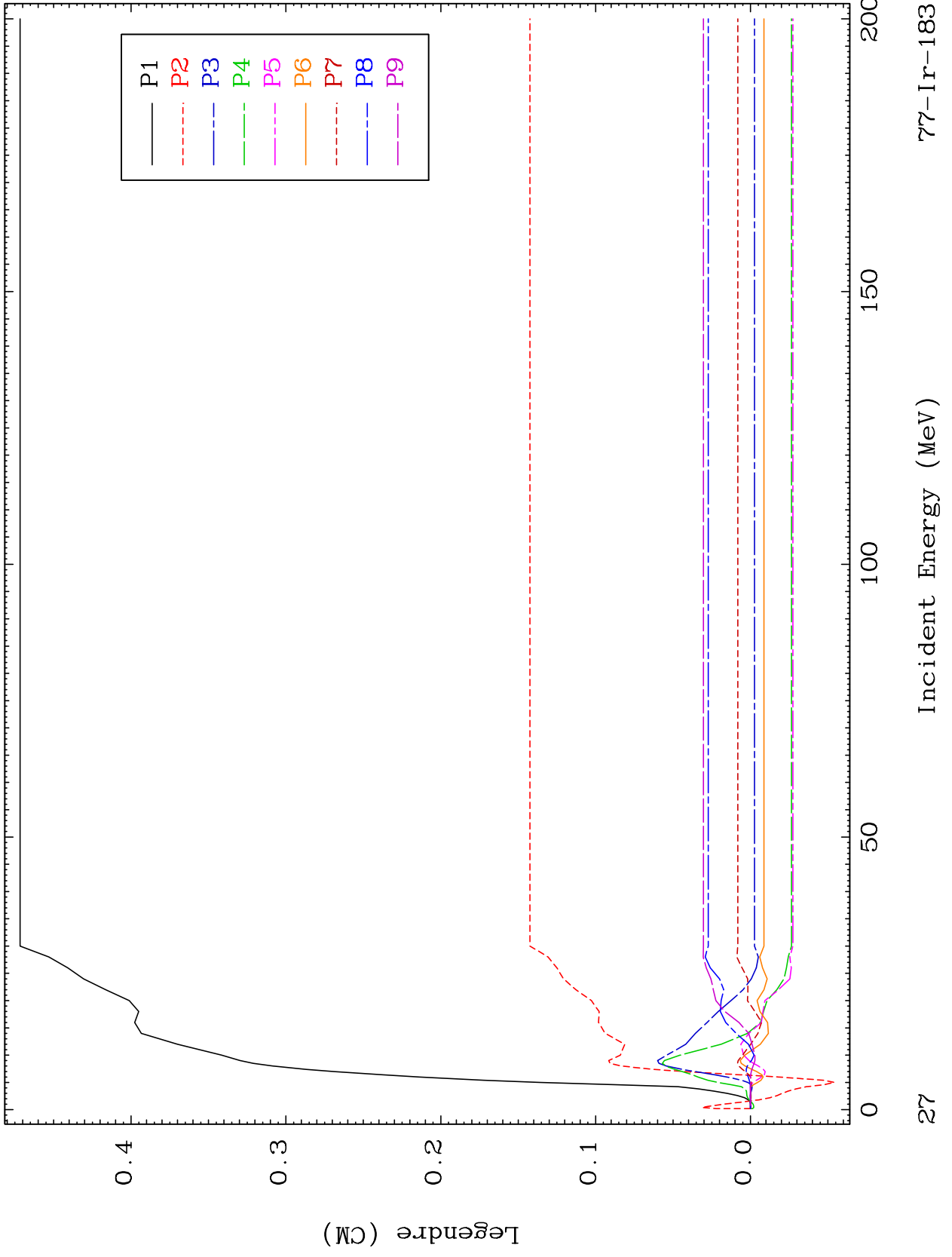


26

MAT 7701

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

77-Ir-183



77-Ir-183

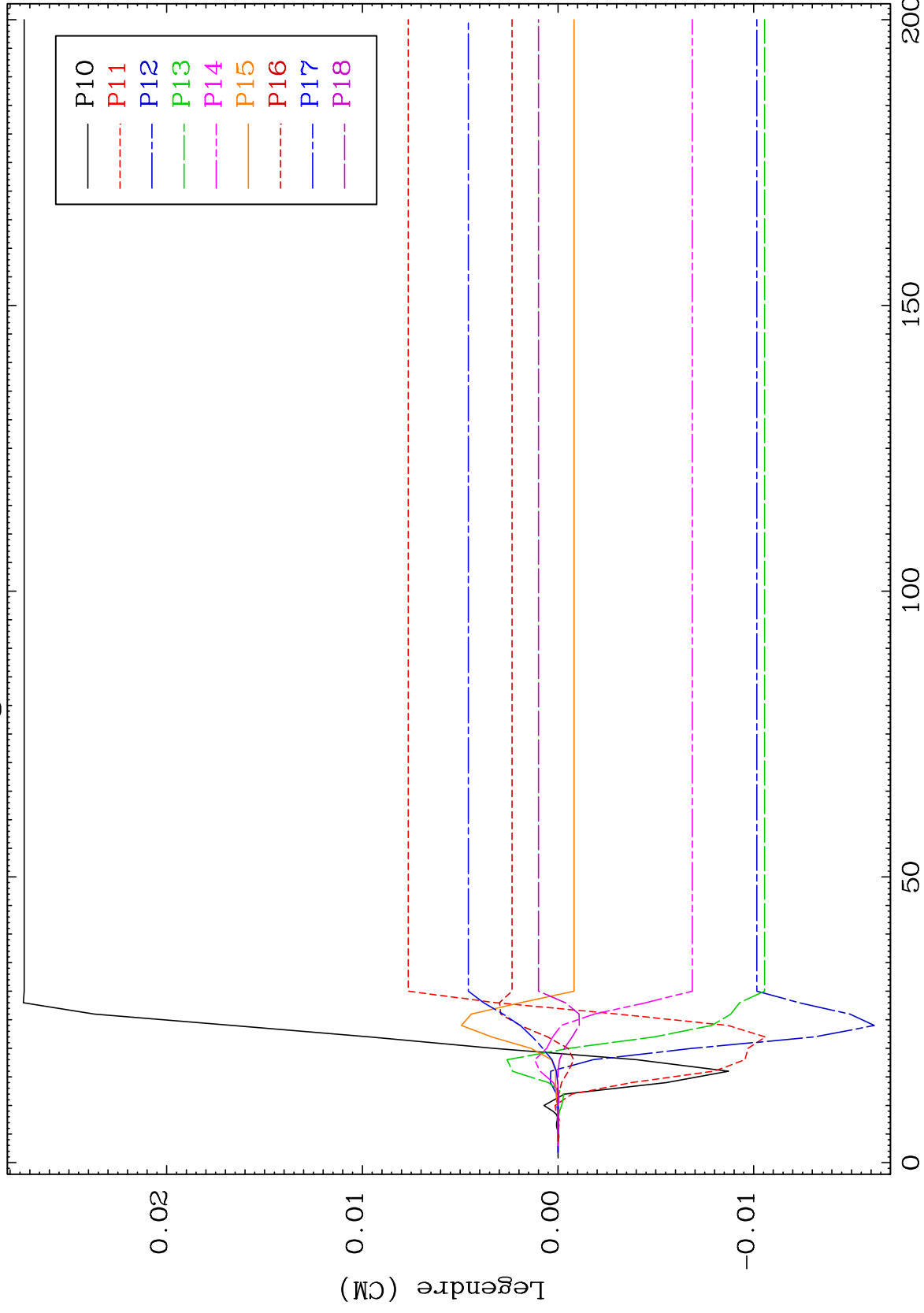
Incident Energy (MeV)

27

MAT 7701

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

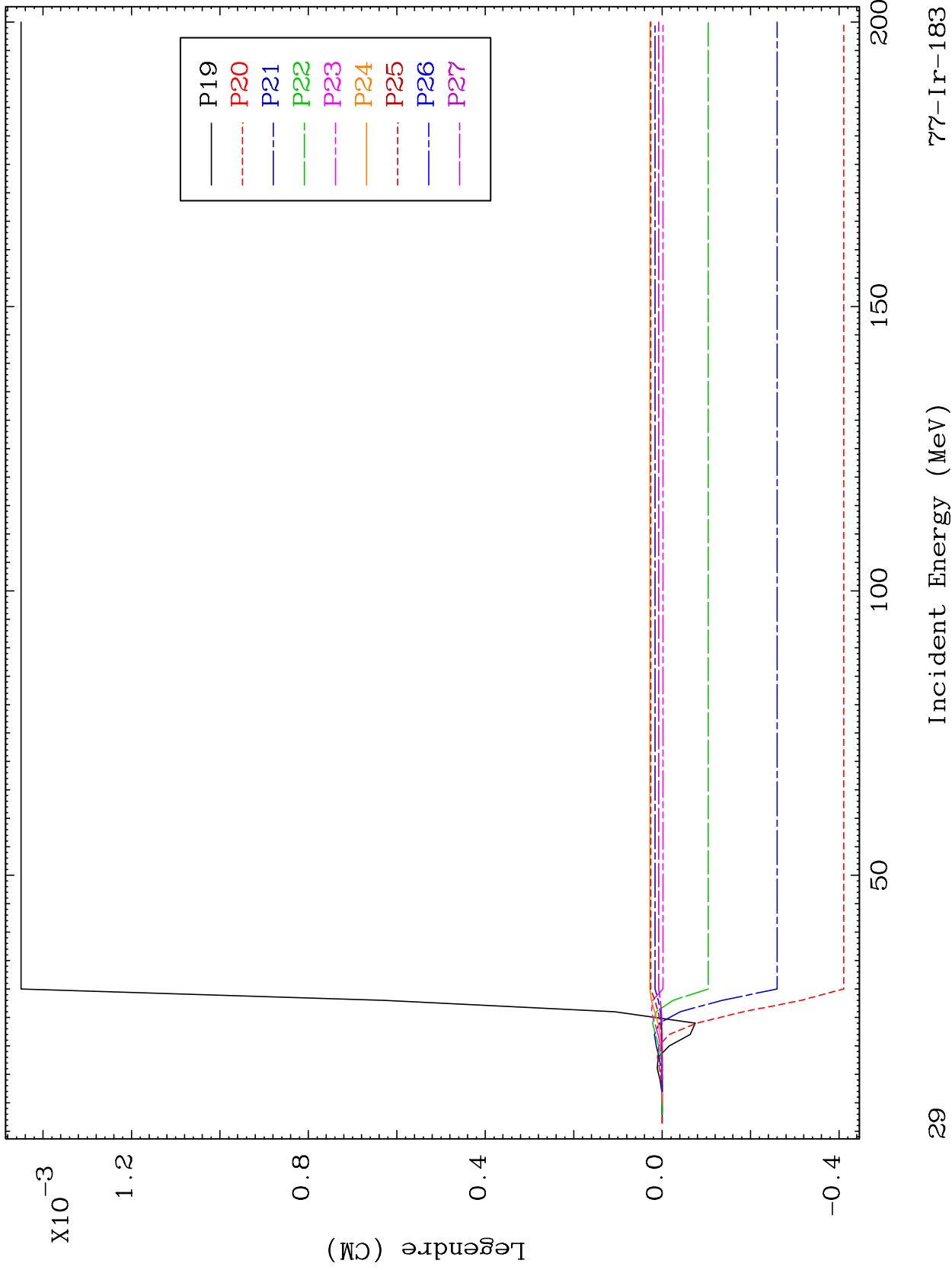
77-Ir-183



28

Incident Energy (MeV)

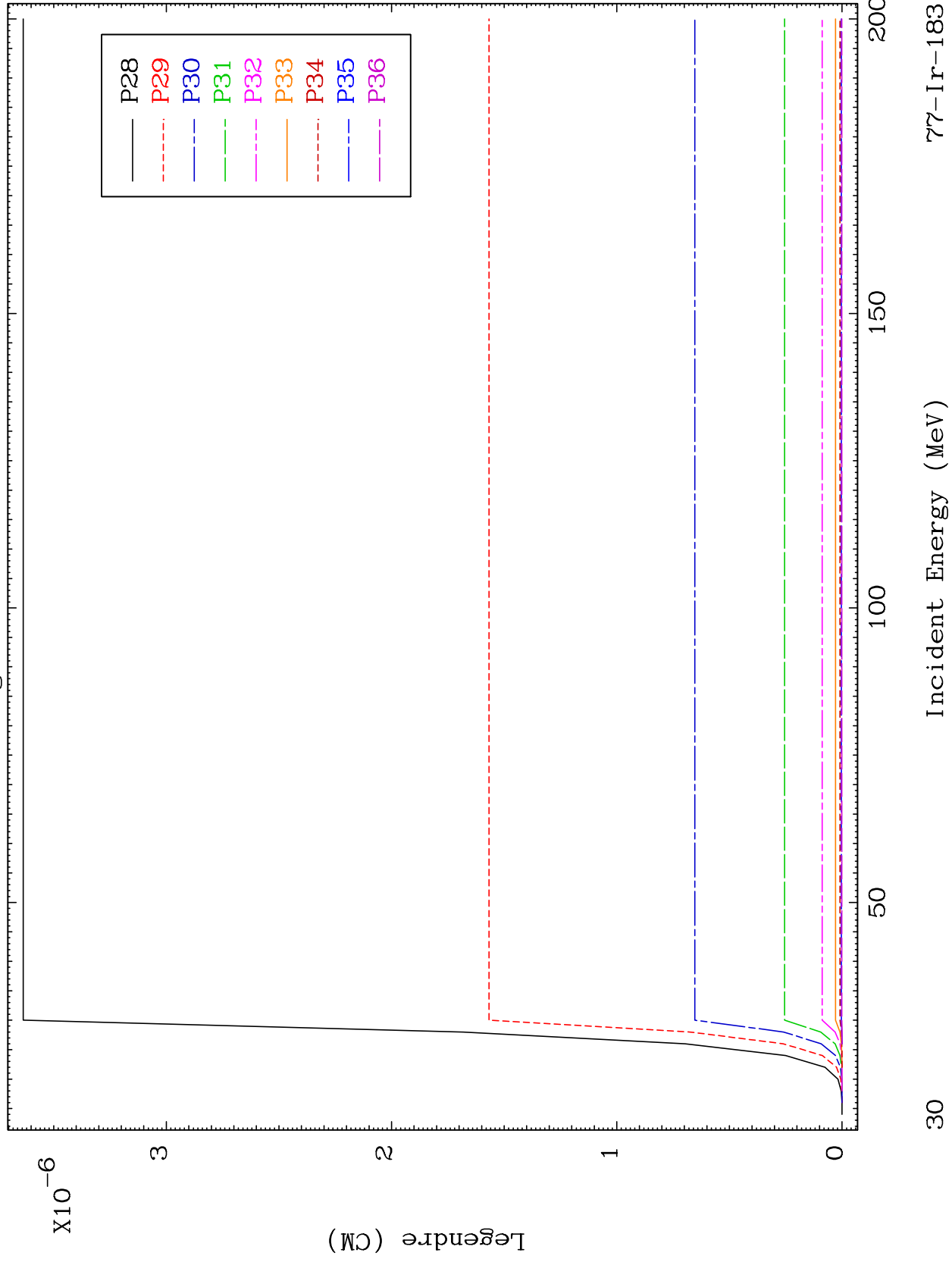
77-Ir-183

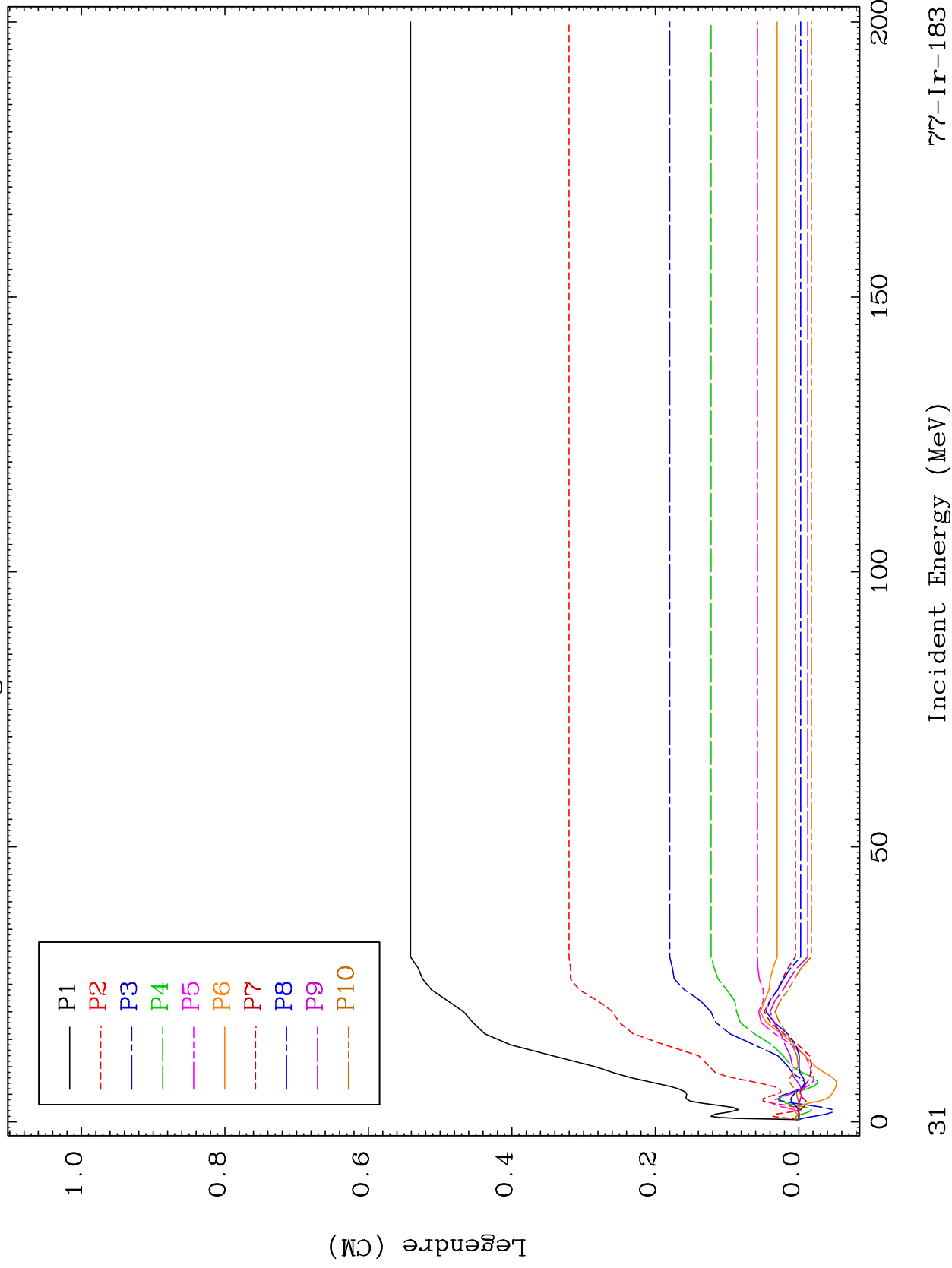


MAT 7701

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

77-Ir-183

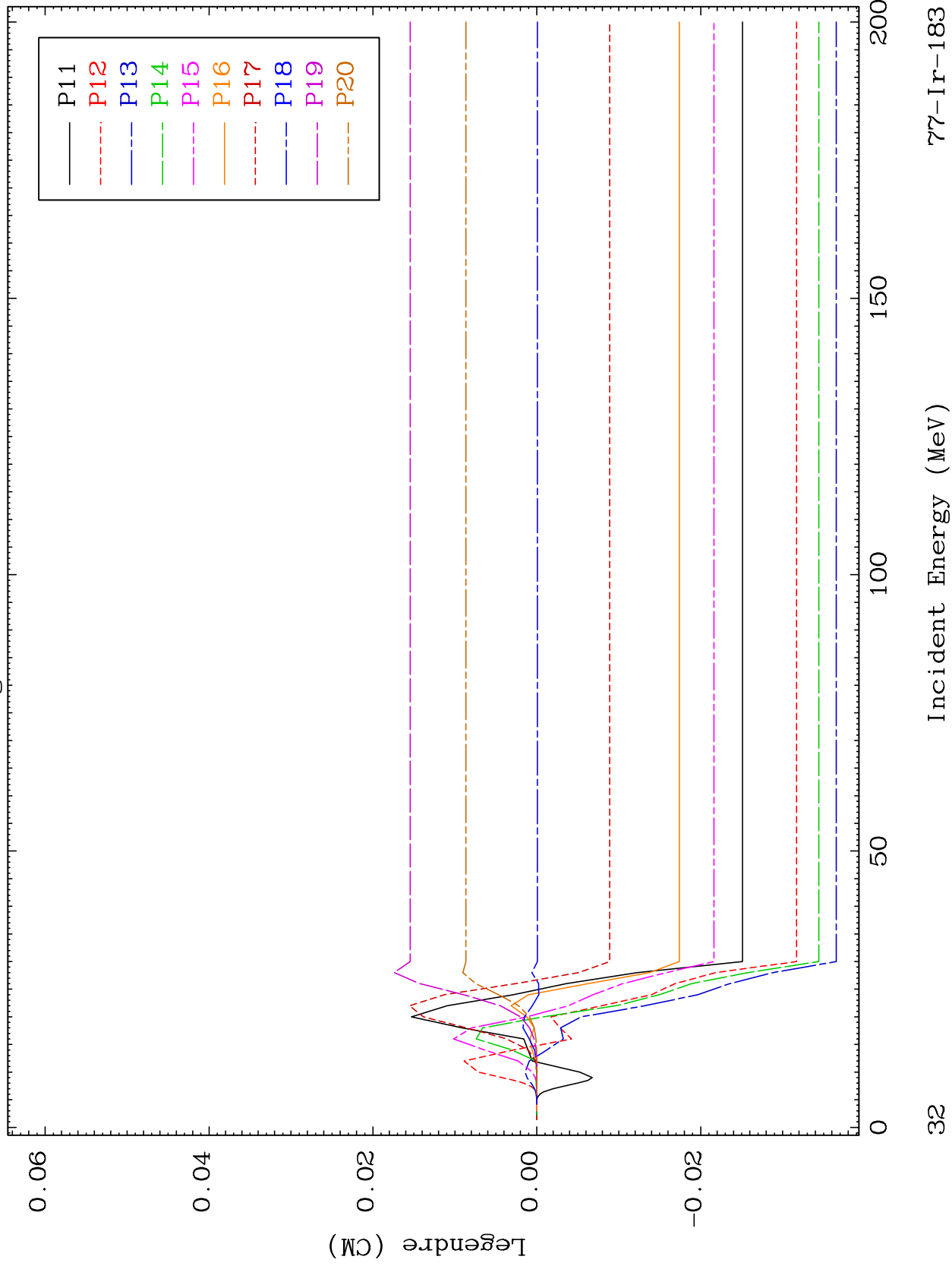




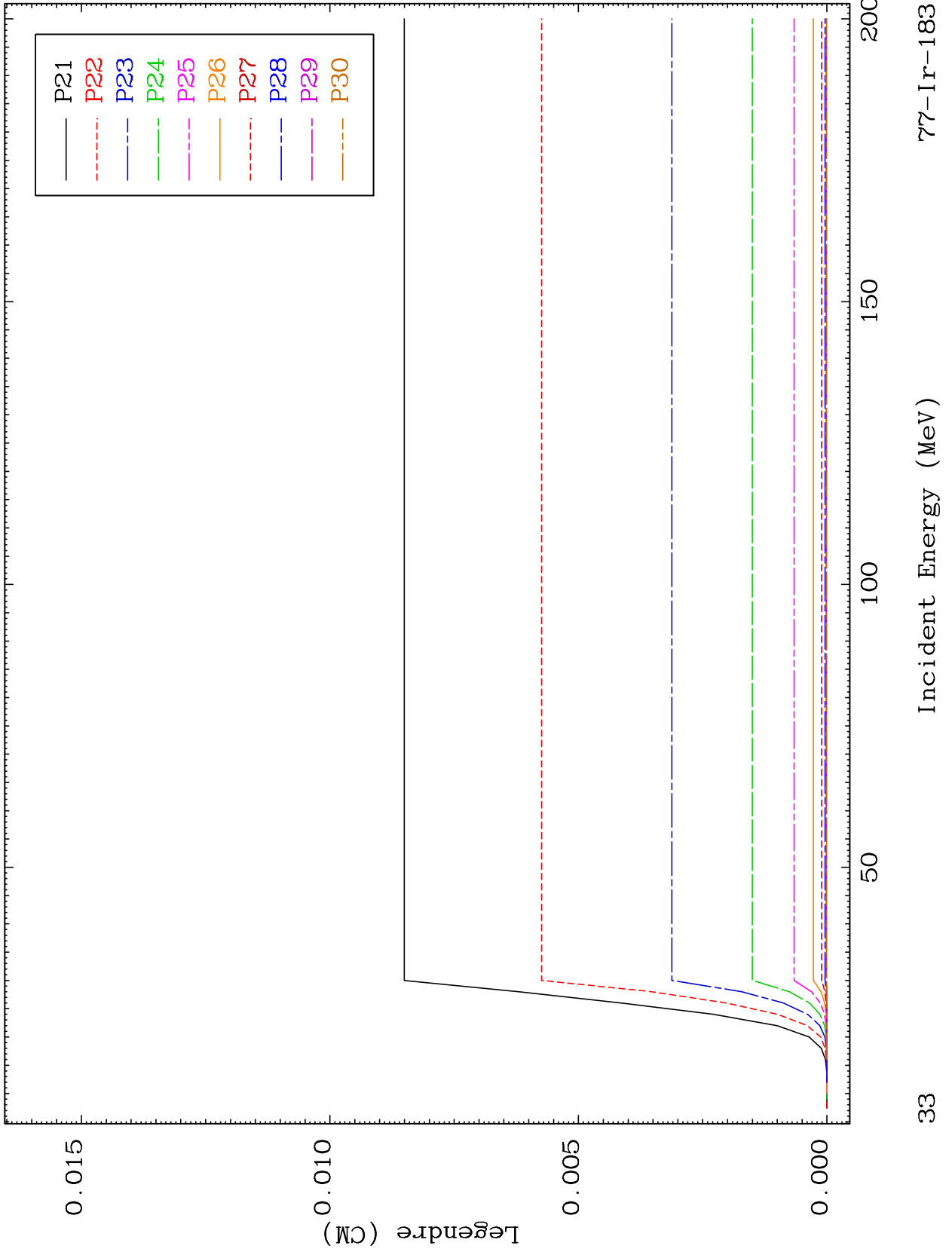
MAT 7701

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

77-Ir-183



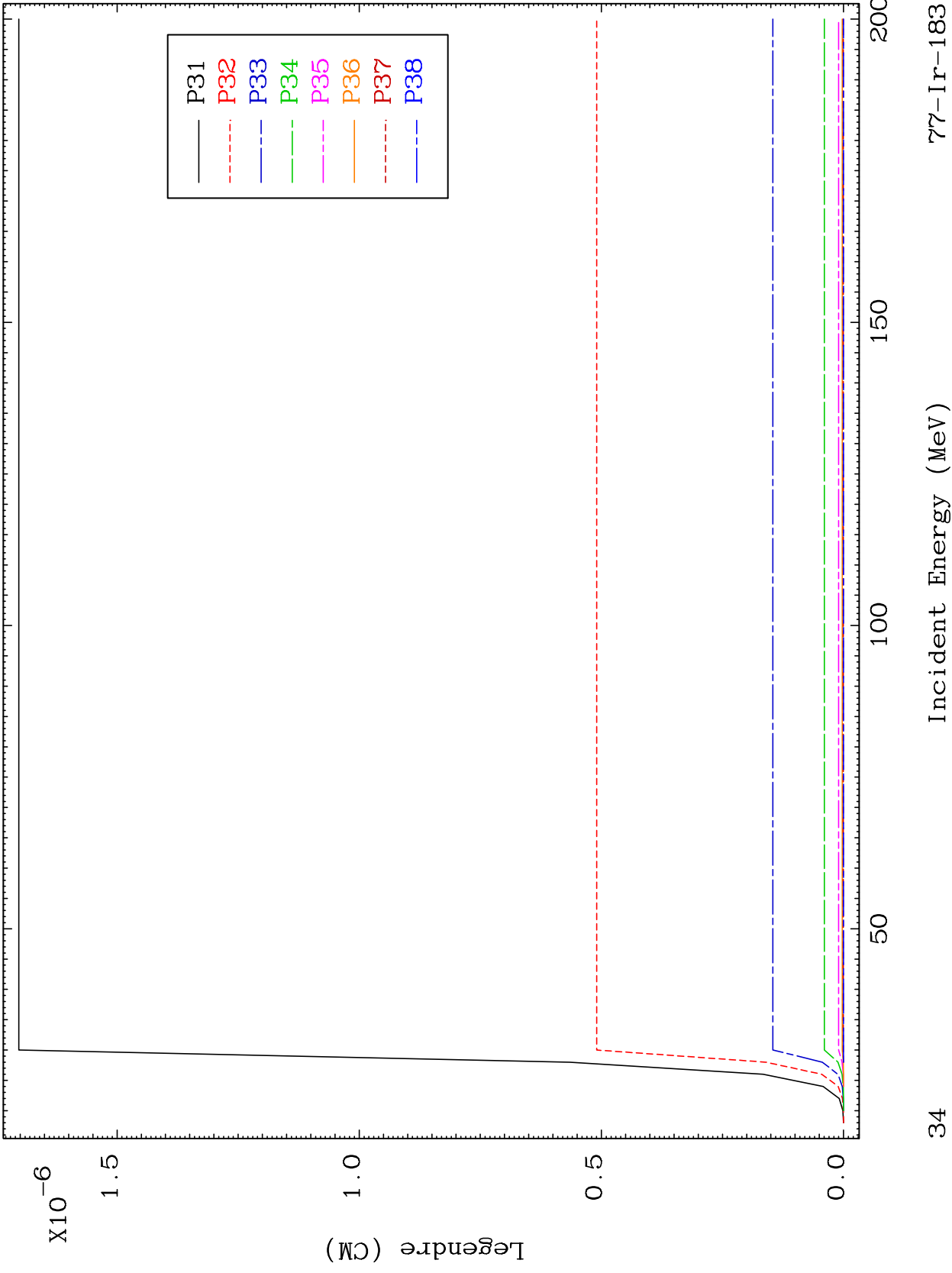
32



MAT 7701

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

77-Ir-183



34

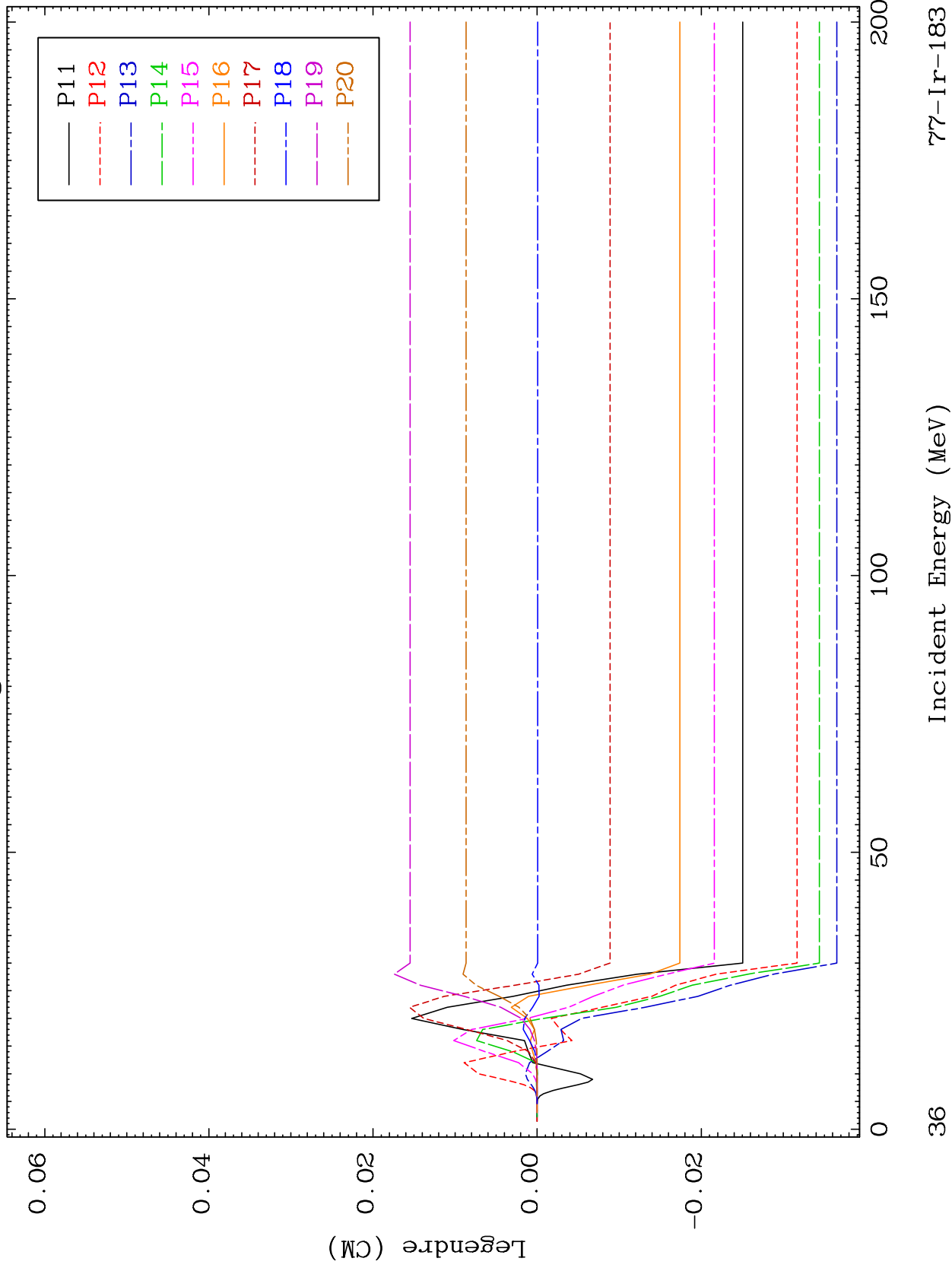
Incident Energy (MeV)

77-Ir-183

MAT 7701

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

77-Ir-183



36

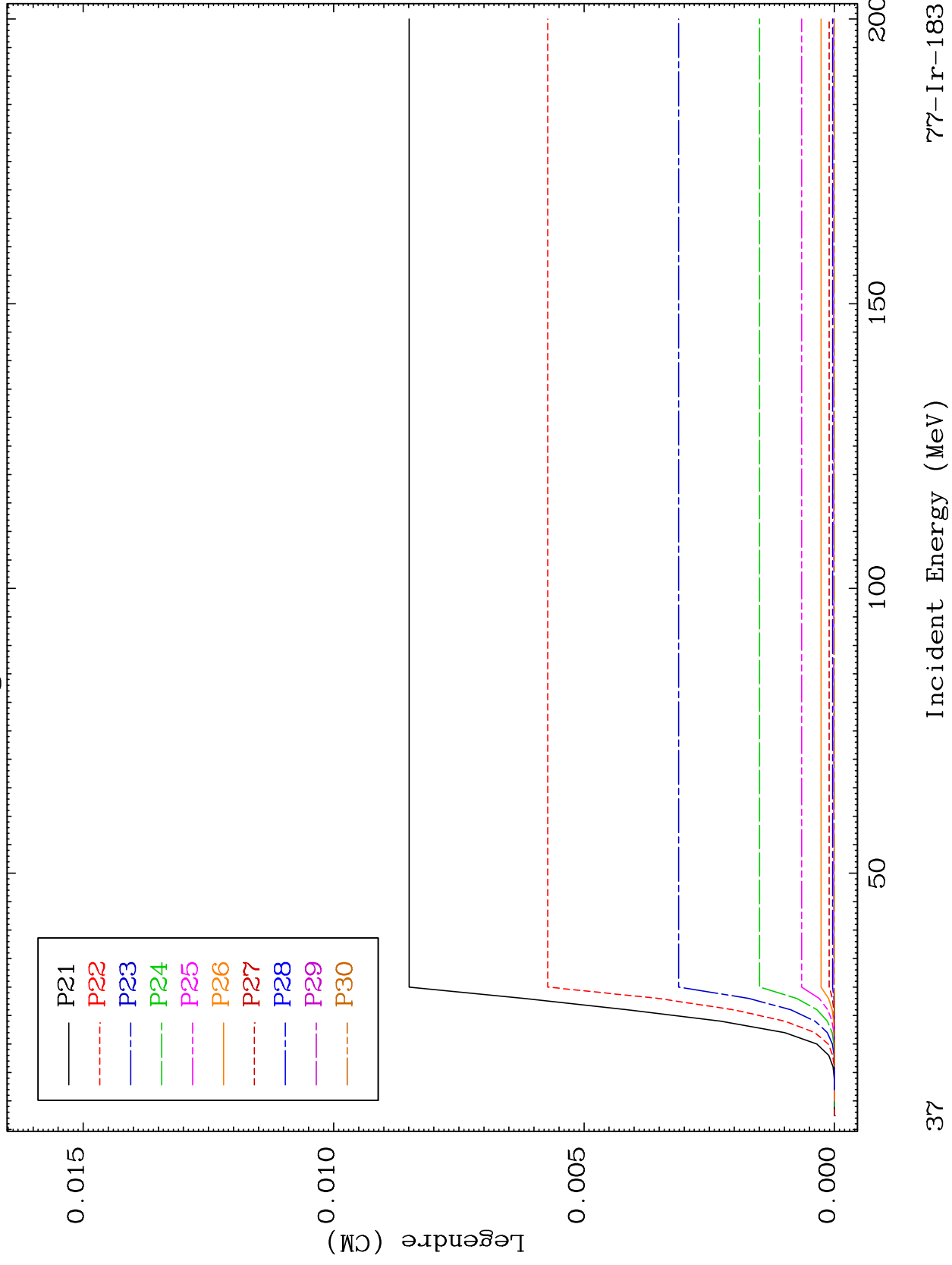
Incident Energy (MeV)

77-Ir-183

MAT 7701

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

77-Ir-183



37

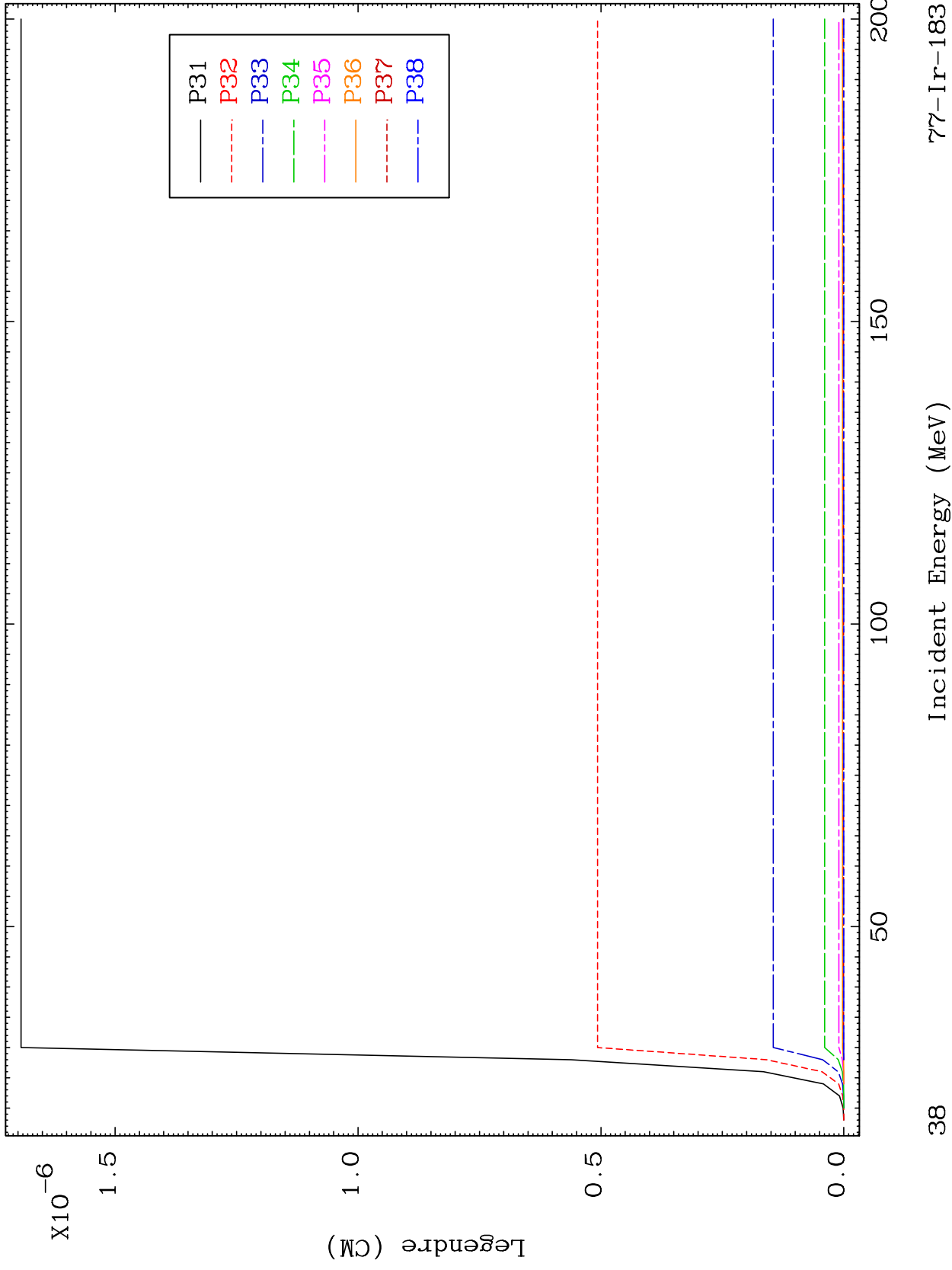
Incident Energy (MeV)

77-Ir-183

MAT 7701

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

77-Ir-183



38

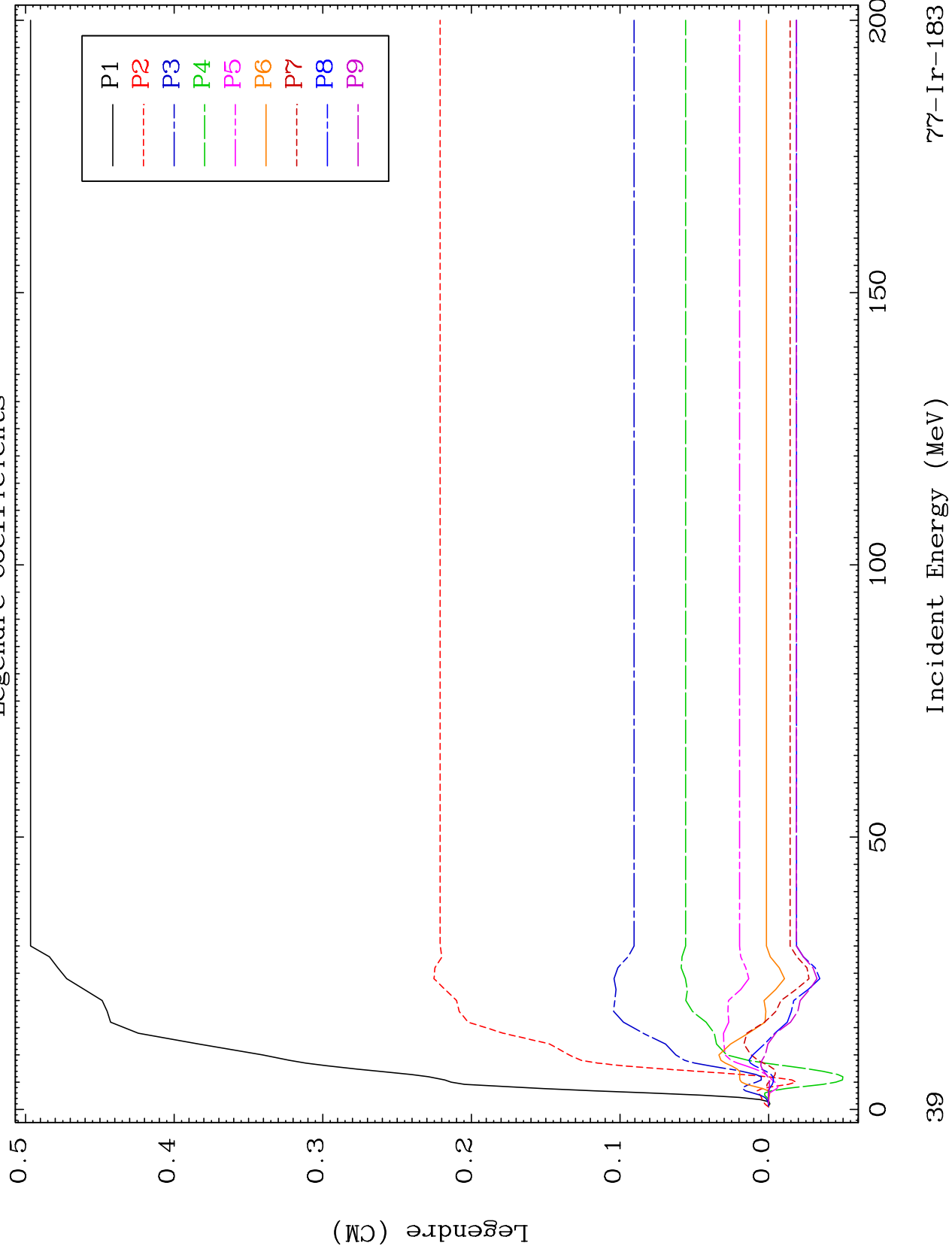
Incident Energy (MeV)

77-Ir-183

MAT 7701

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

77-Ir-183



39

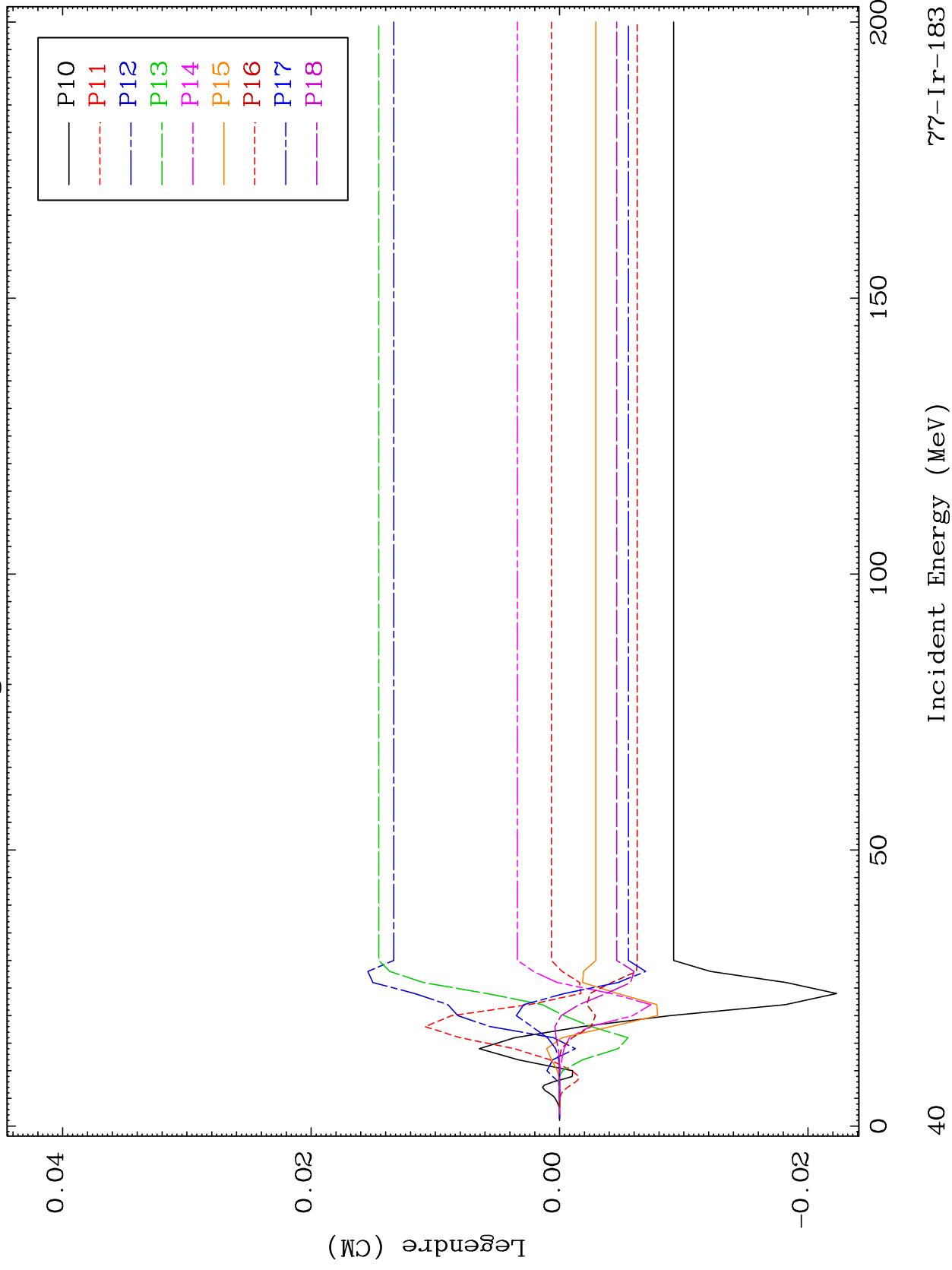
Incident Energy (MeV)

77-Ir-183

MAT 7701

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

77-Ir-183



77-Ir-183

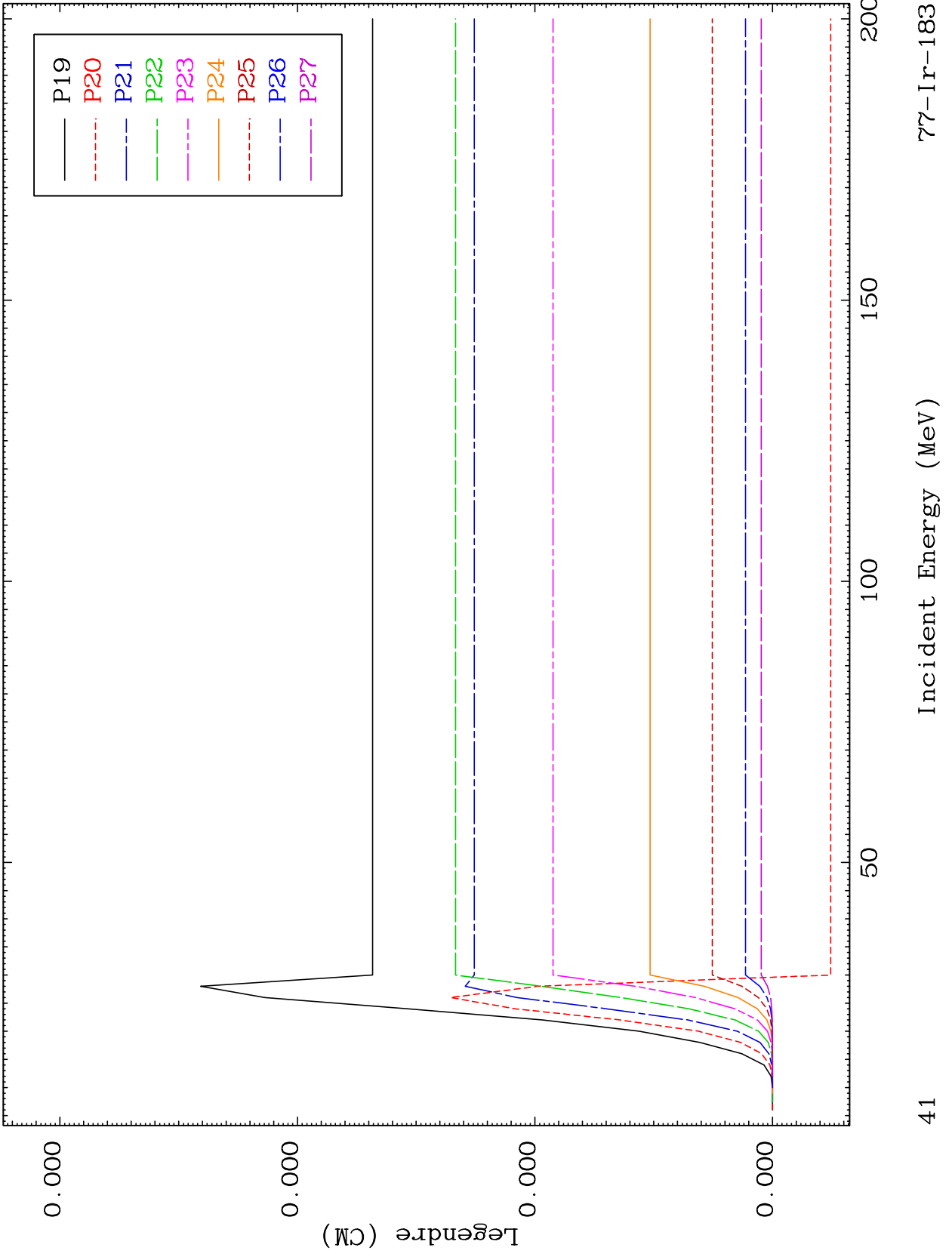
Incident Energy (MeV)

40

MAT 7701

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

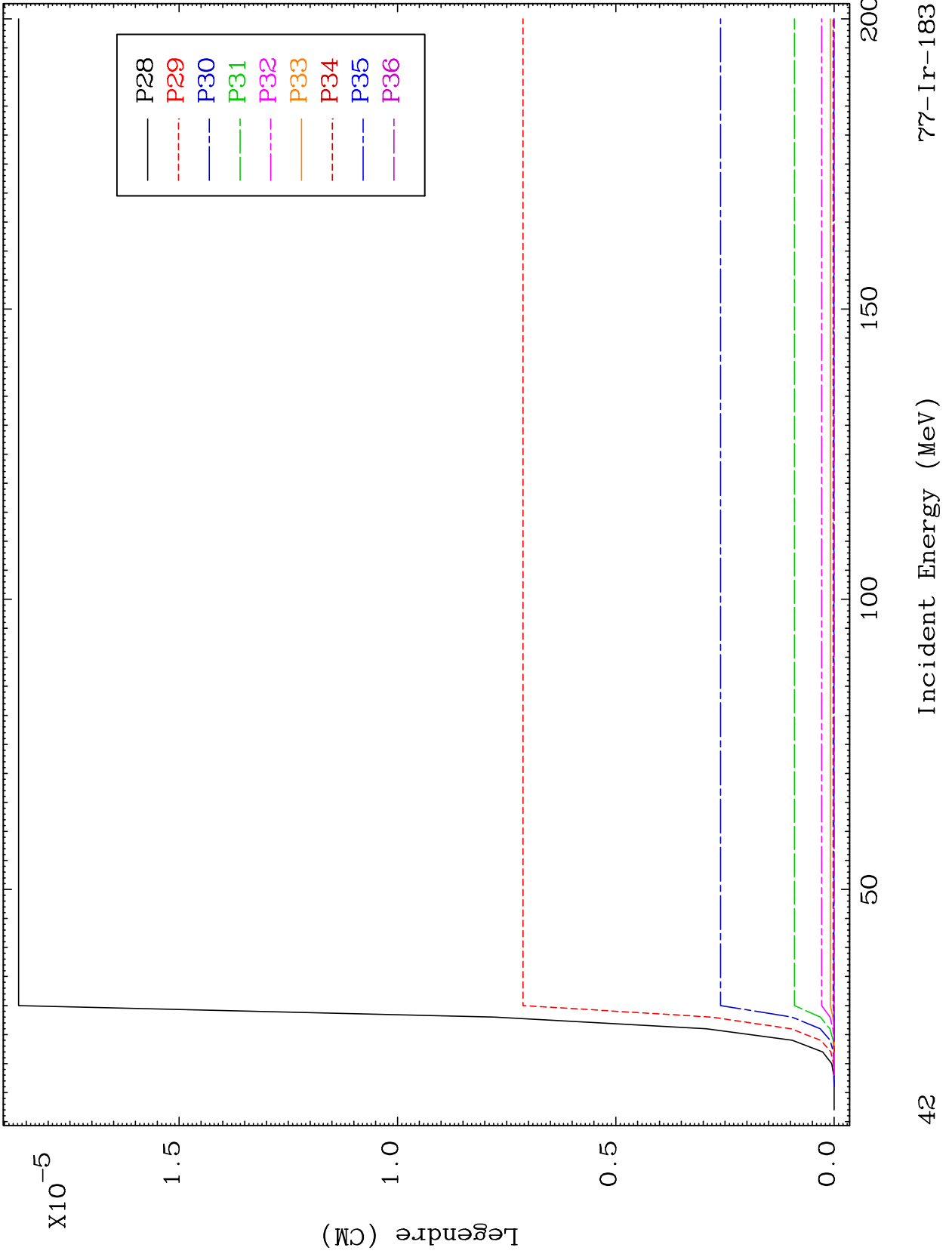
77-Ir-183



MAT 7701

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

77-Ir-183

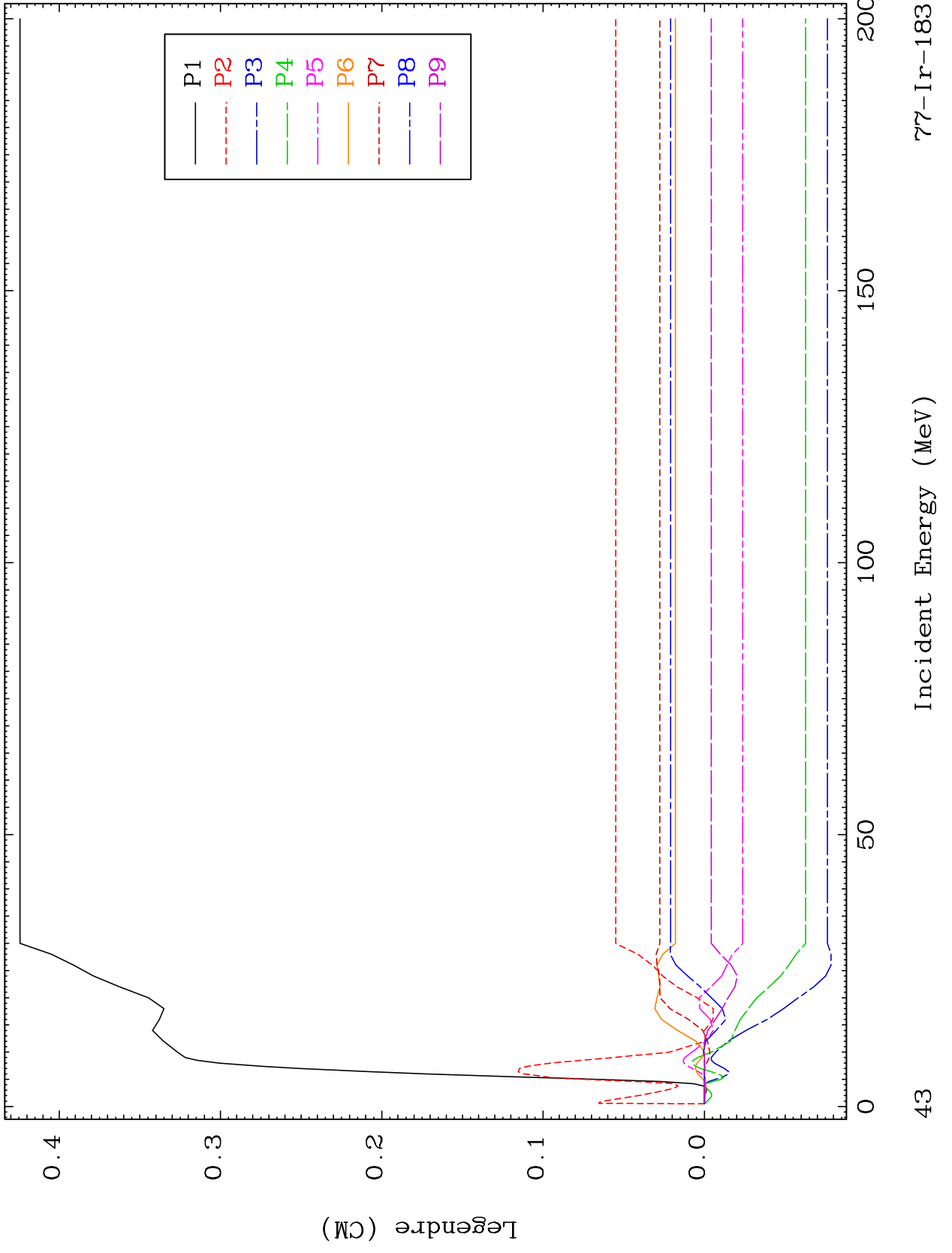


42

MAT 7701

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

77-Ir-183



77-Ir-183

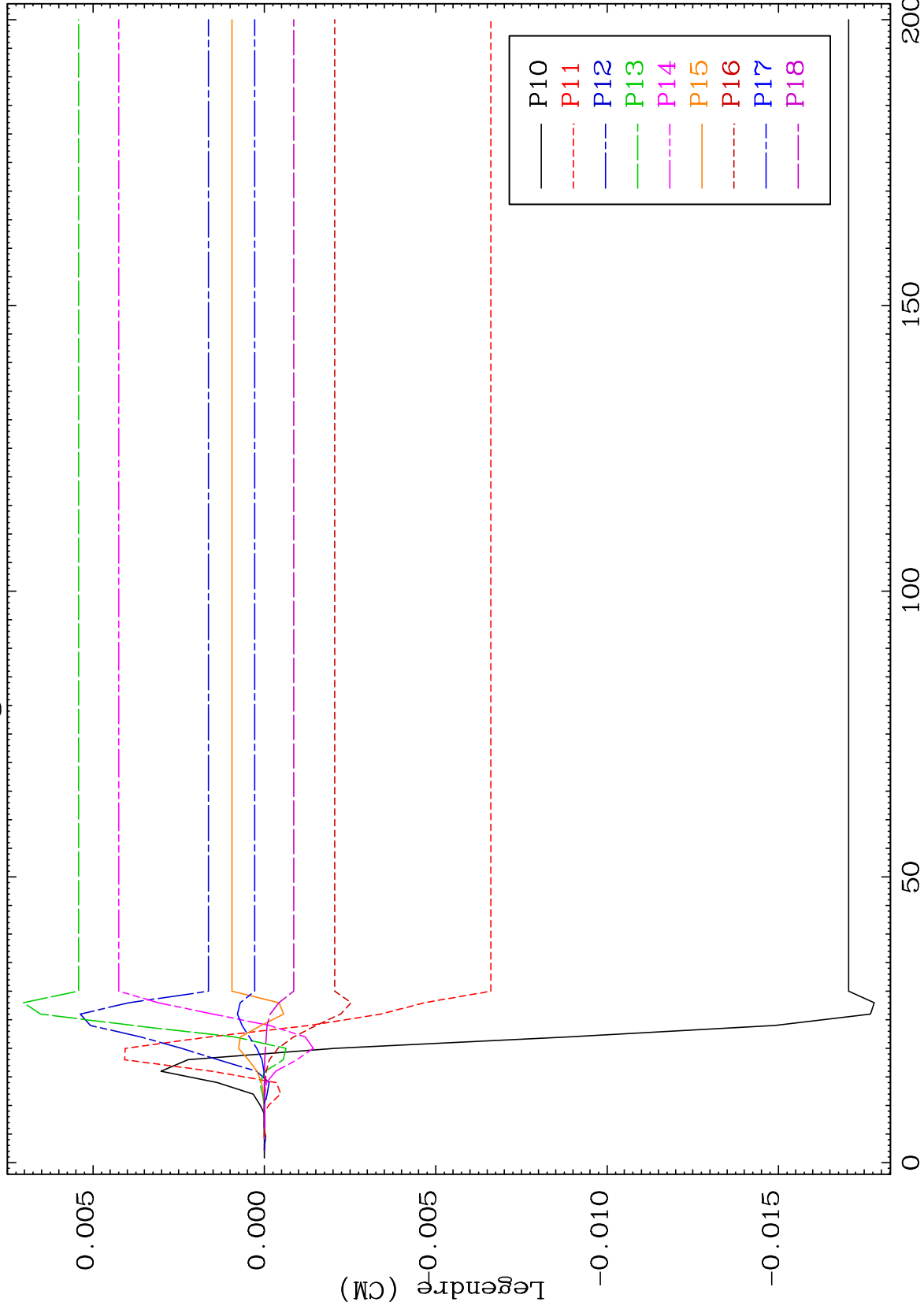
Incident Energy (MeV)

43

MAT 7701

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

77-Ir-183



44

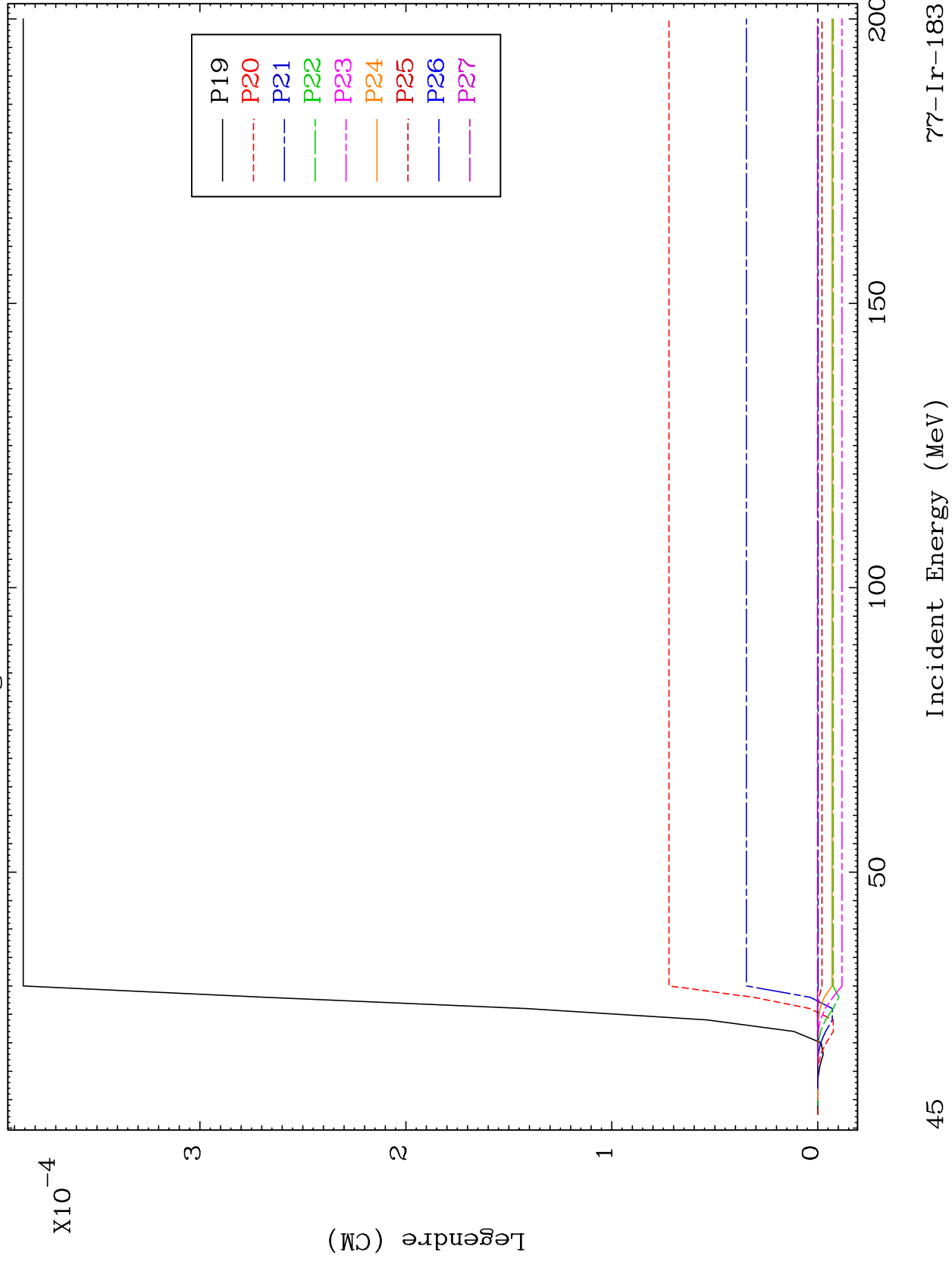
Incident Energy (MeV)

77-Ir-183

MAT 7701

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

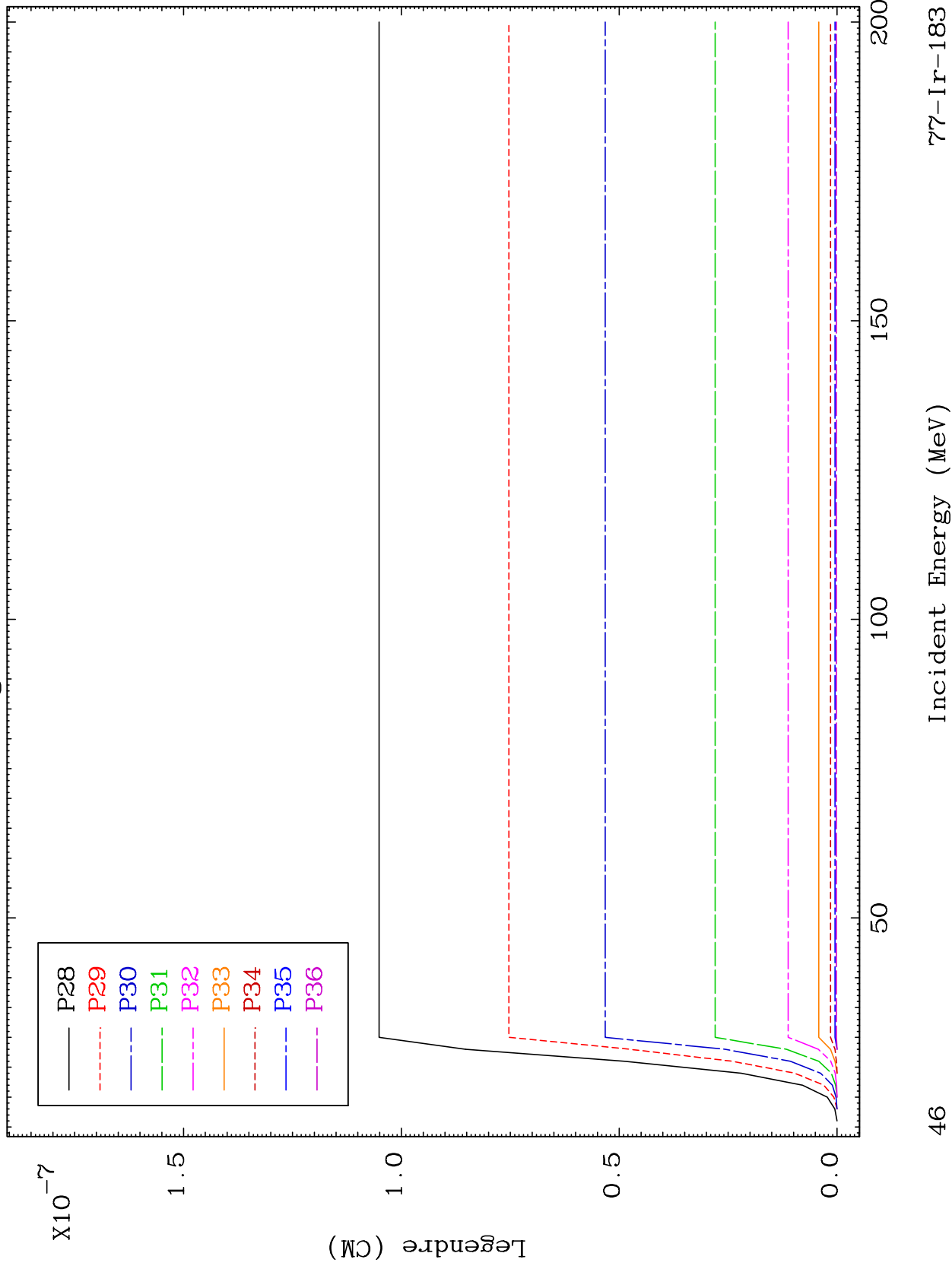
77-Ir-183



45

Incident Energy (MeV)

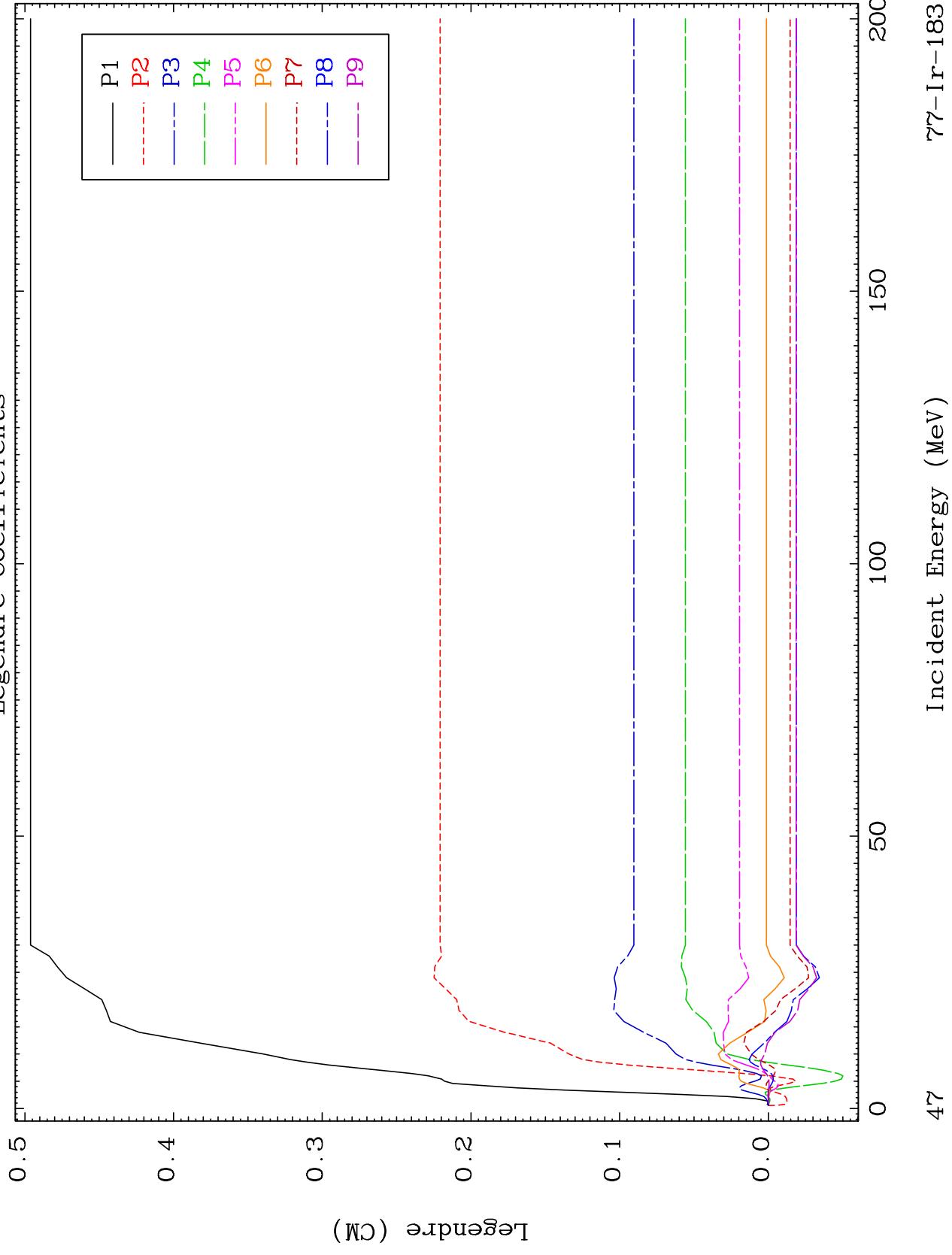
77-Ir-183



MAT 7701

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

77-Ir-183



77-Ir-183

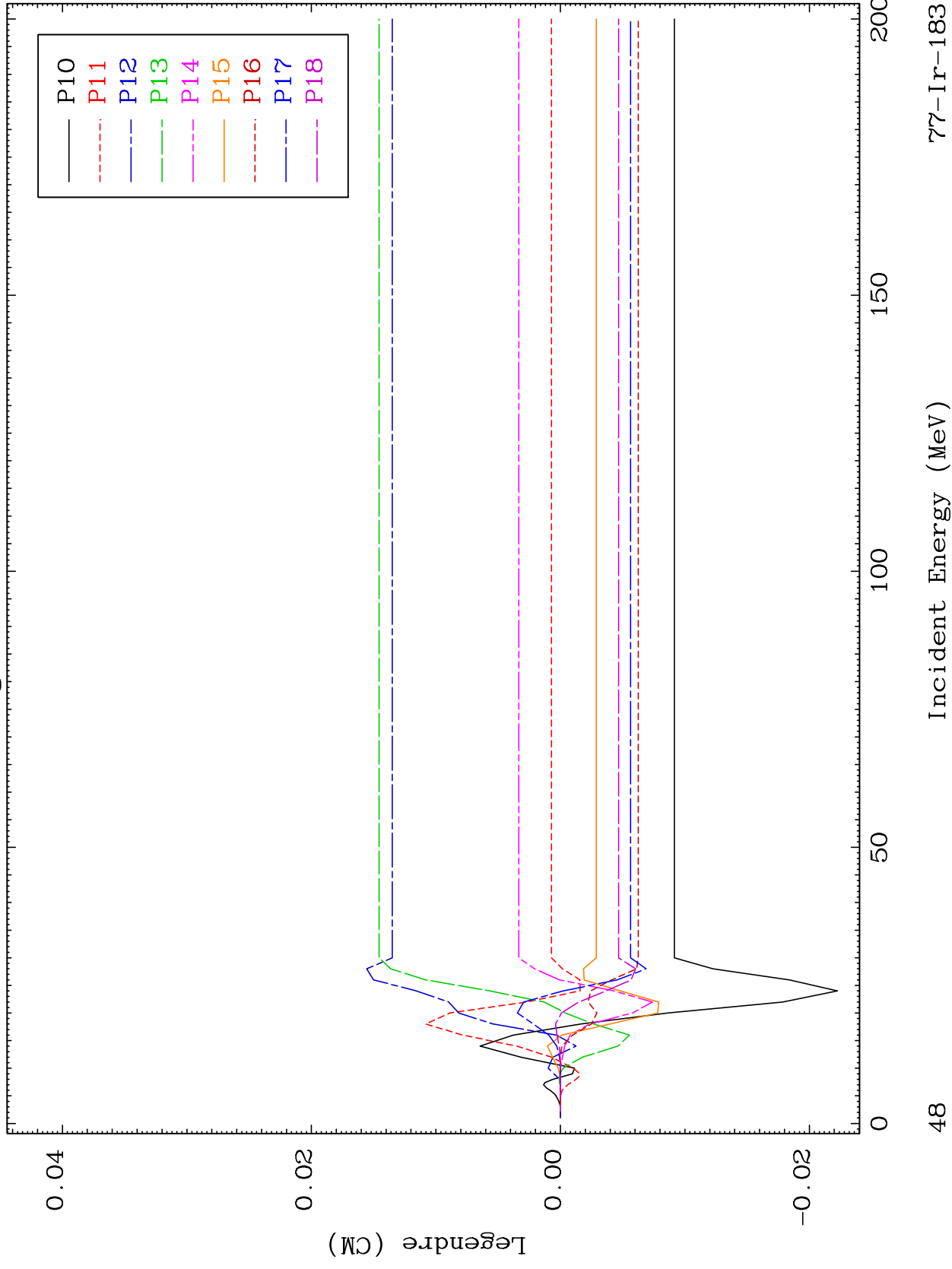
Incident Energy (MeV)

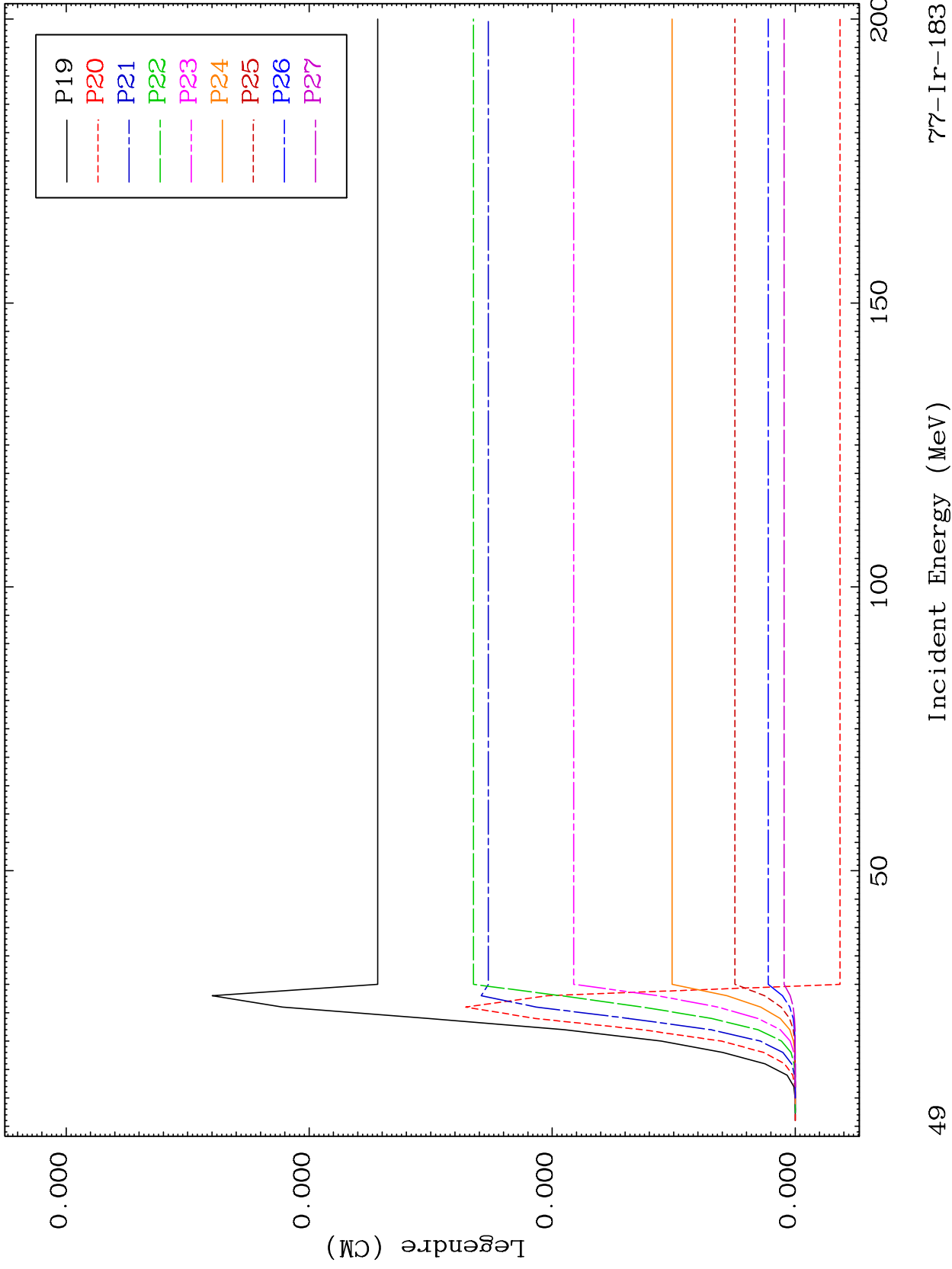
47

MAT 7701

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

77-Ir-183

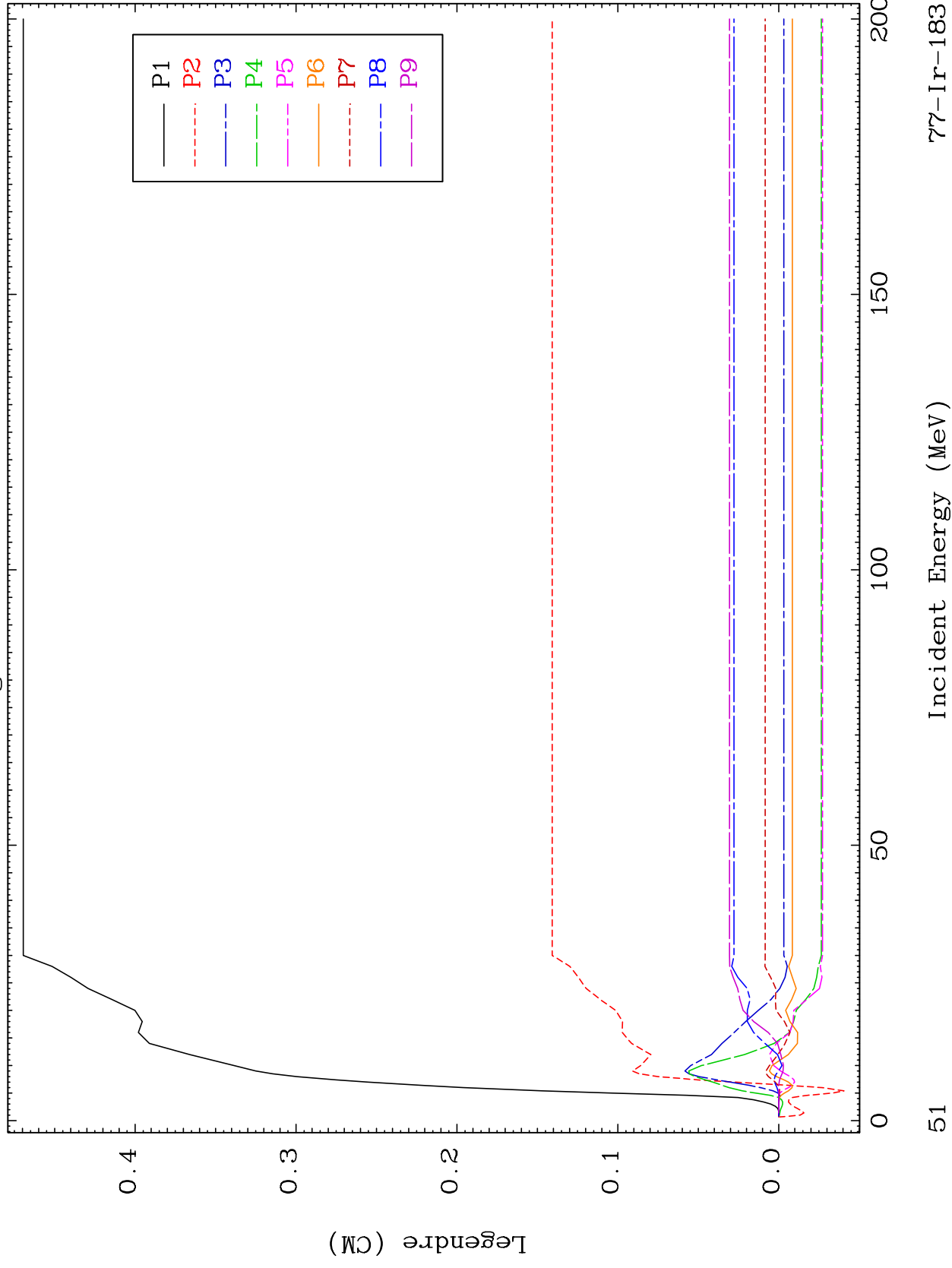




MAT 7701

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

77-Ir-183



77-Ir-183

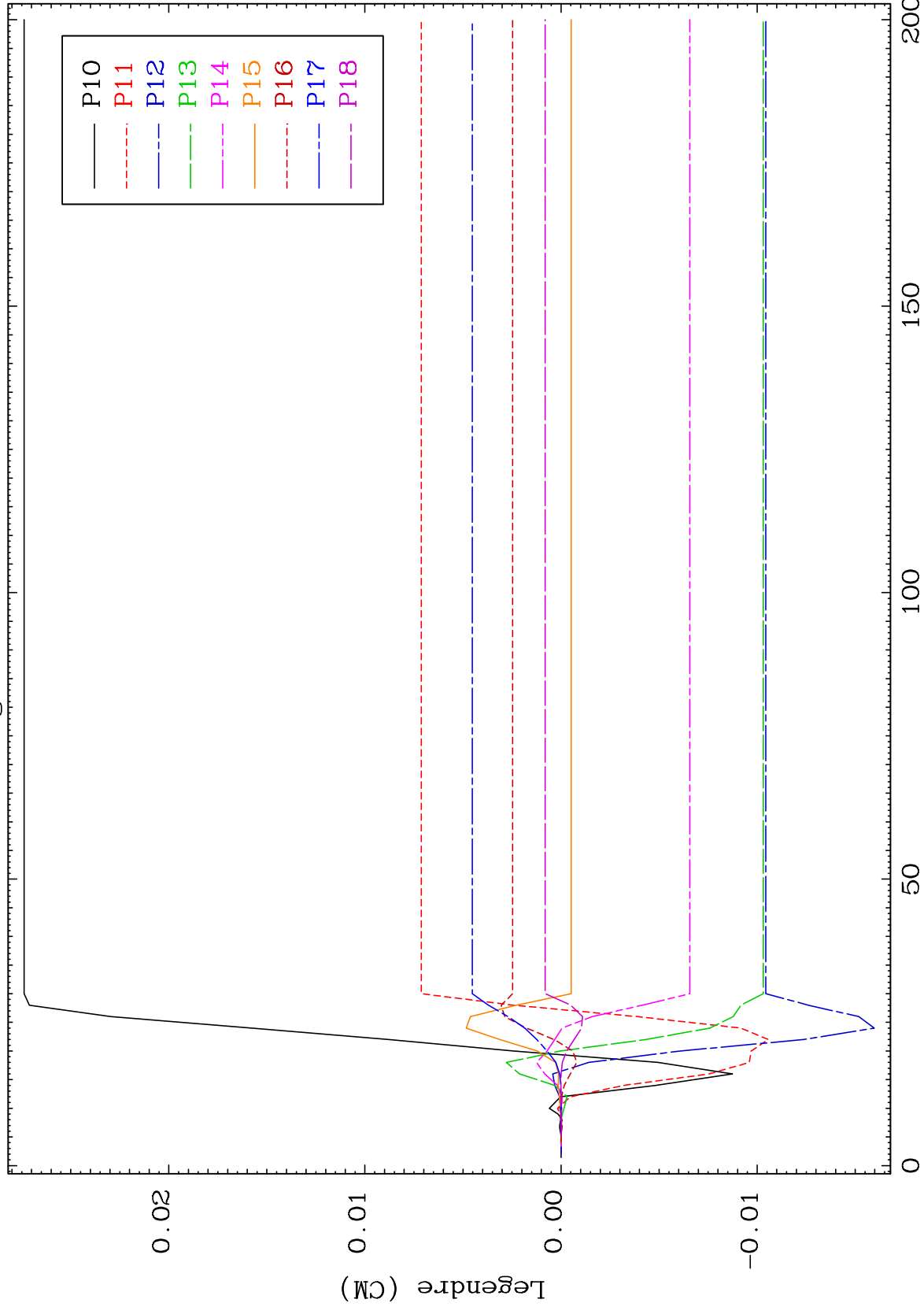
Incident Energy (MeV)

51

MAT 7701

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

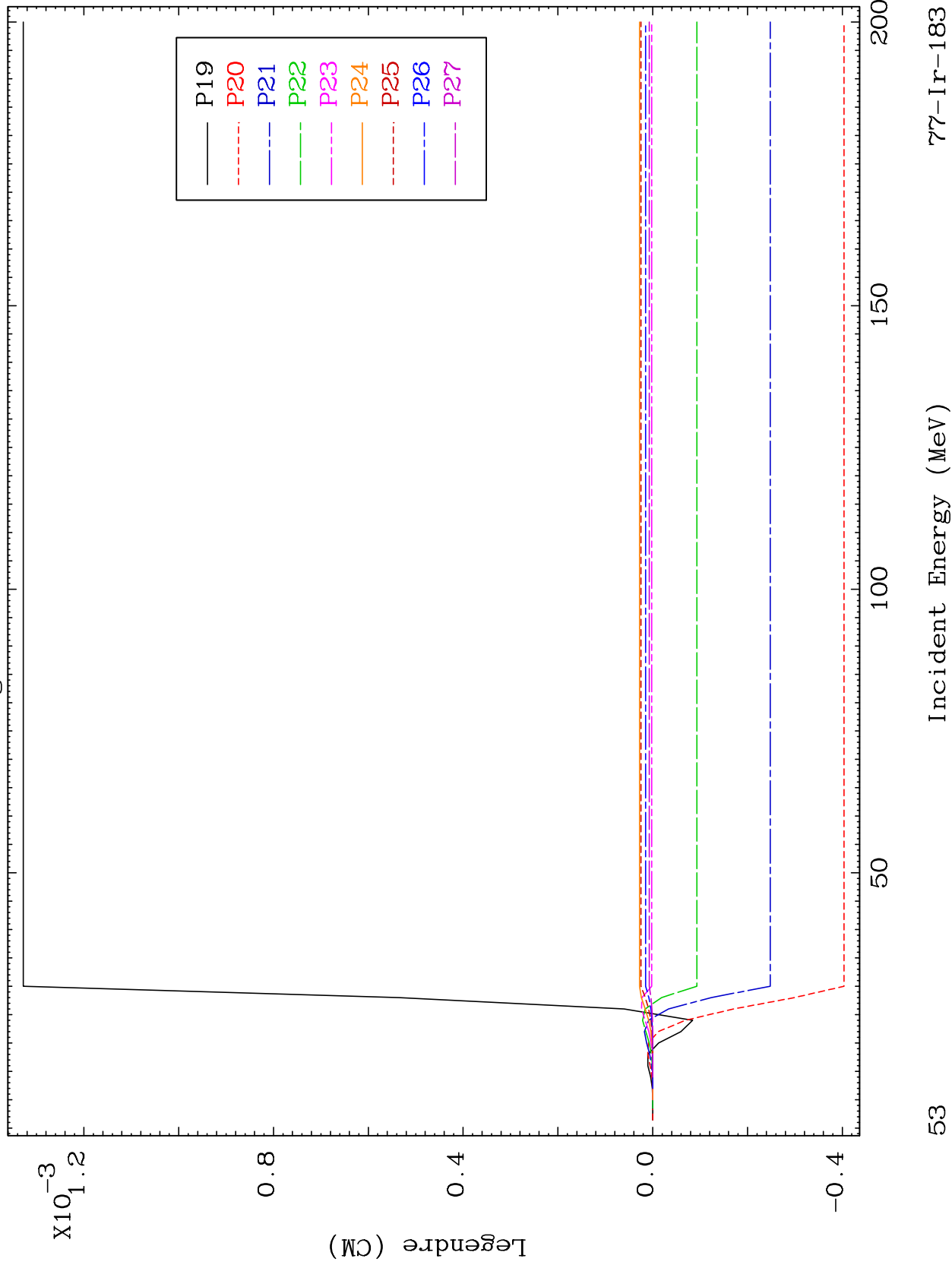
77-Ir-183



52

Incident Energy (MeV)

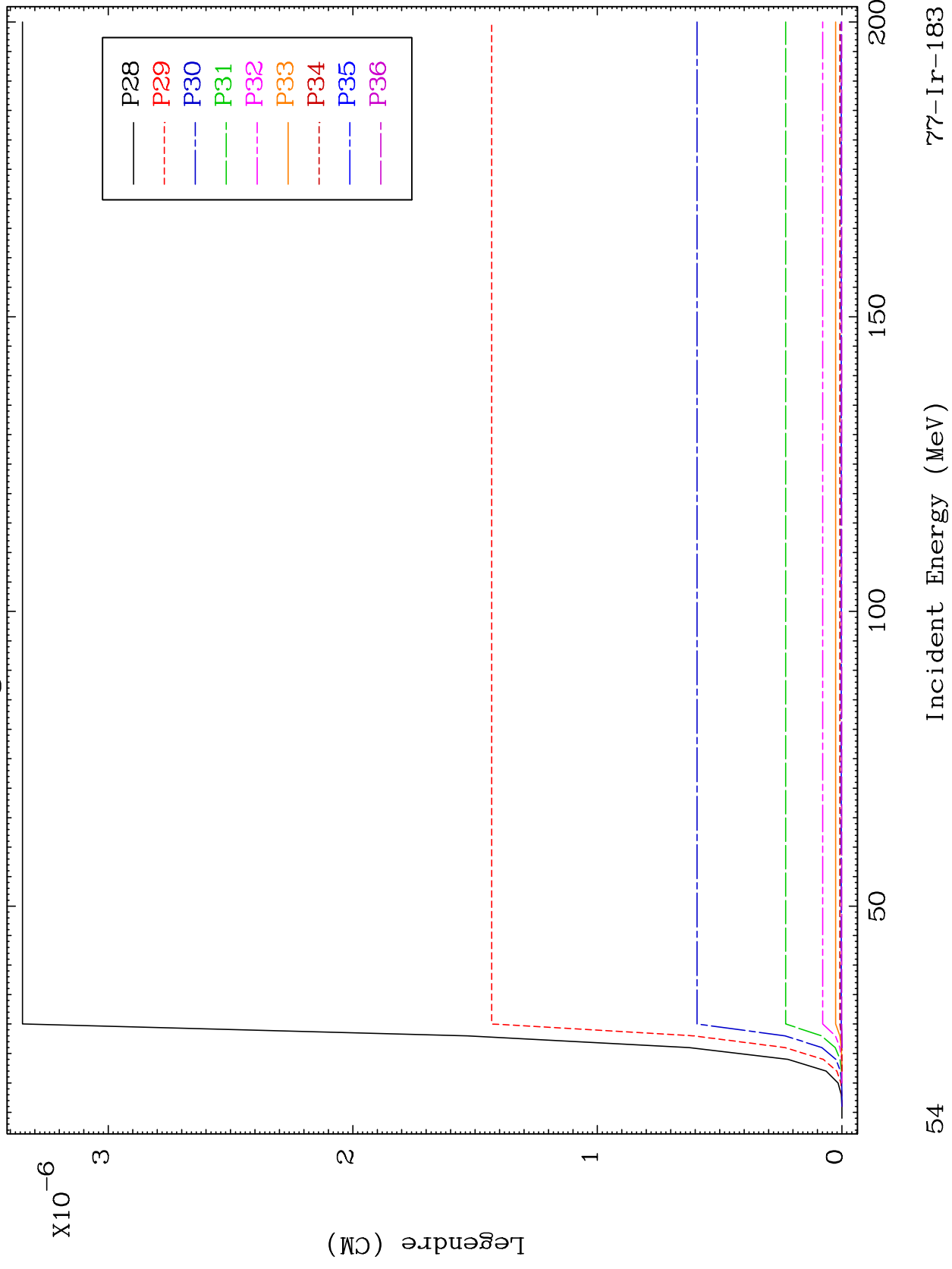
77-Ir-183

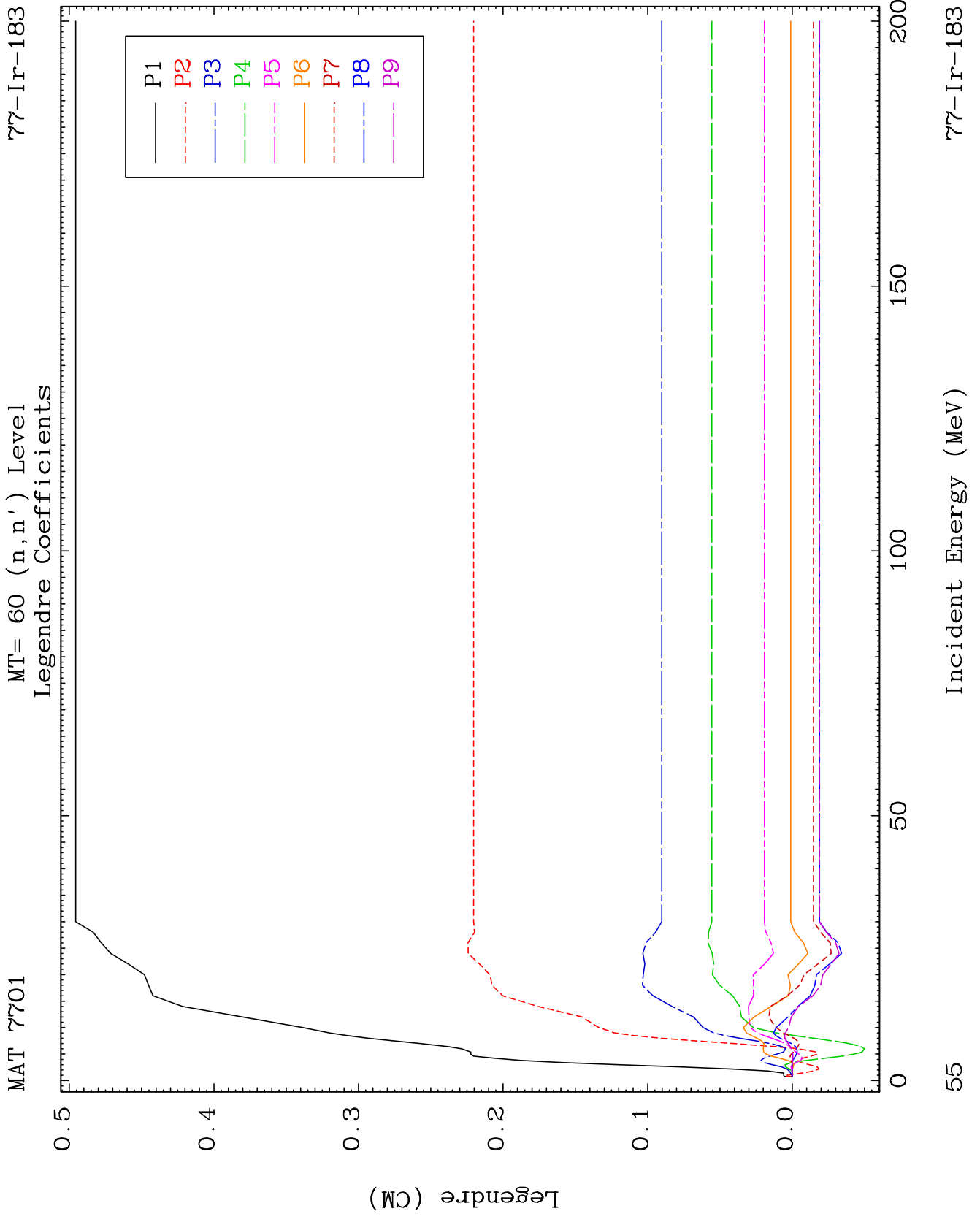


MAT 7701

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

77-Ir-183

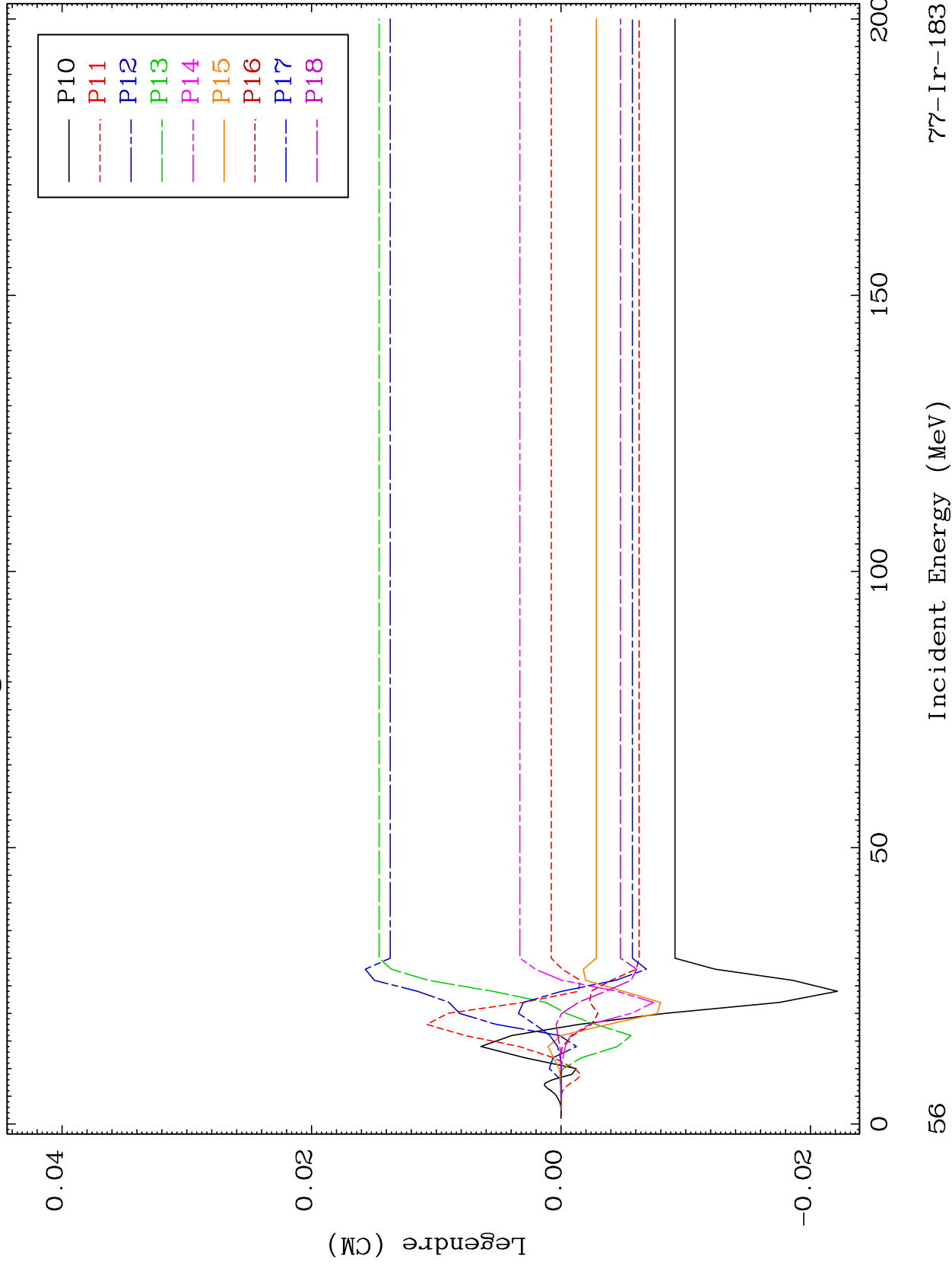




MAT 7701

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

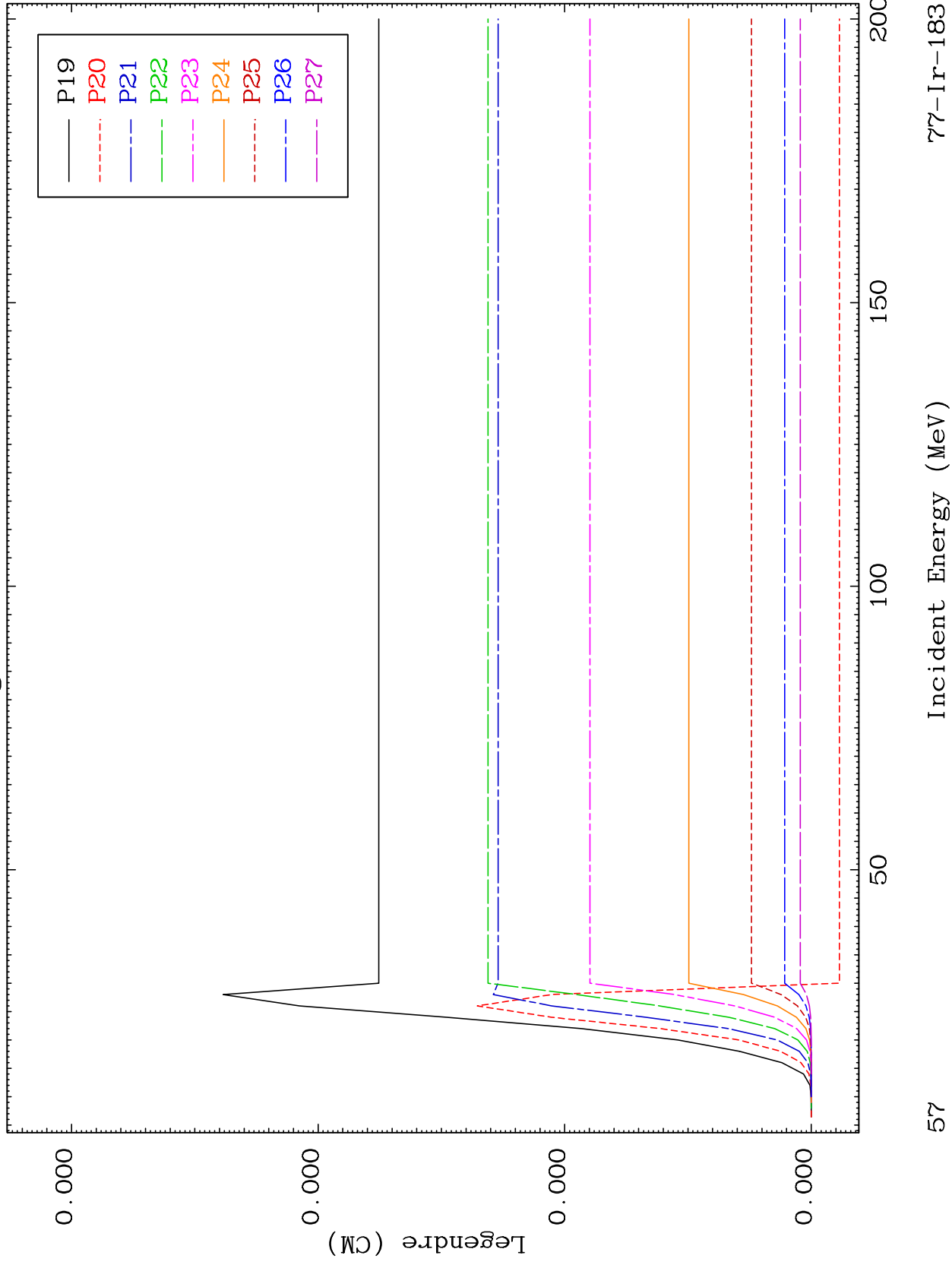
77-Ir-183



MAT 7701

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

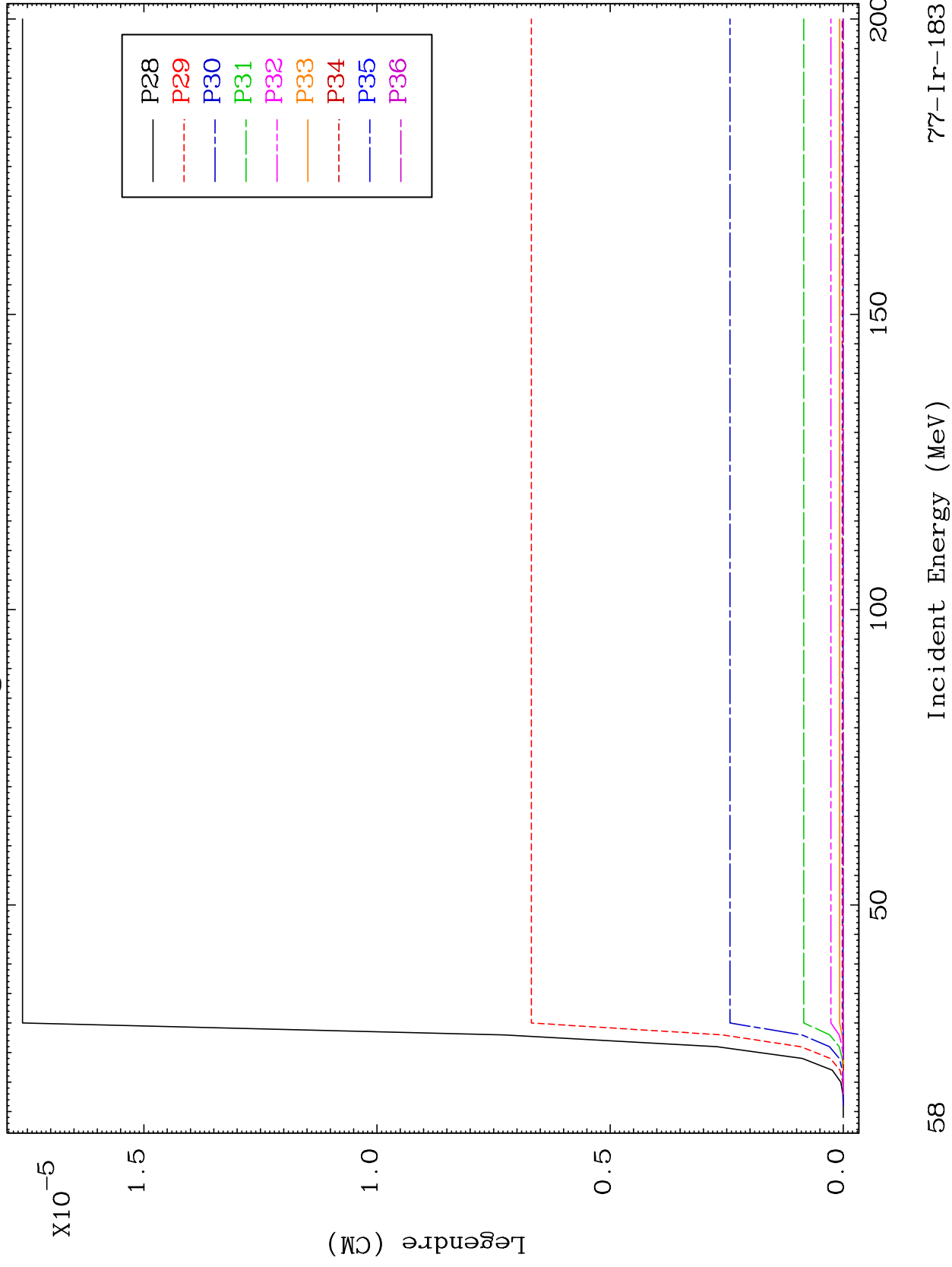
77-Ir-183



MAT 7701

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

77-Ir-183



58

Incident Energy (MeV)

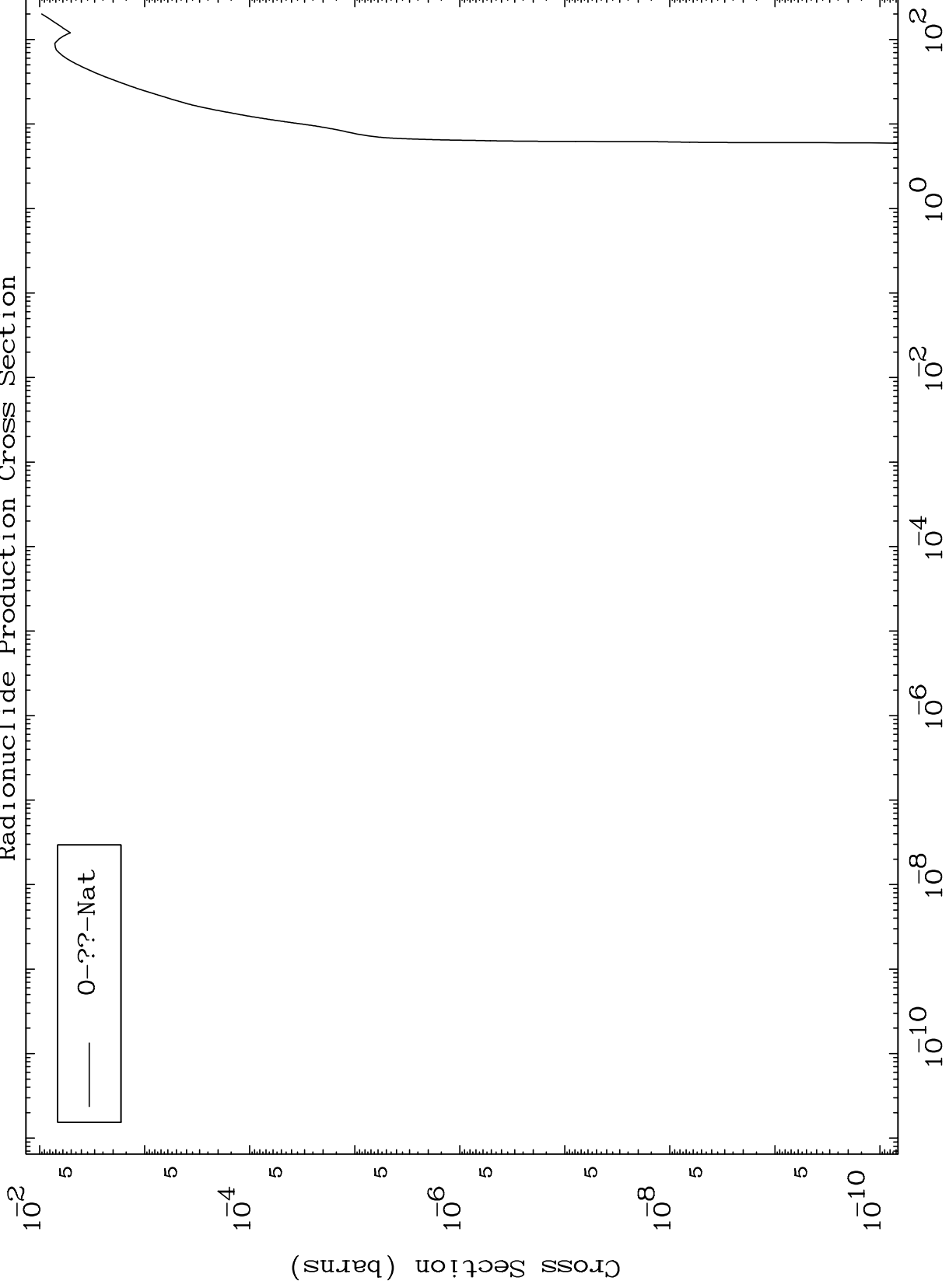
77-Ir-183

MAT 7701

Fission

⁷⁷Ir-183

Radionuclide Production Cross Section



59

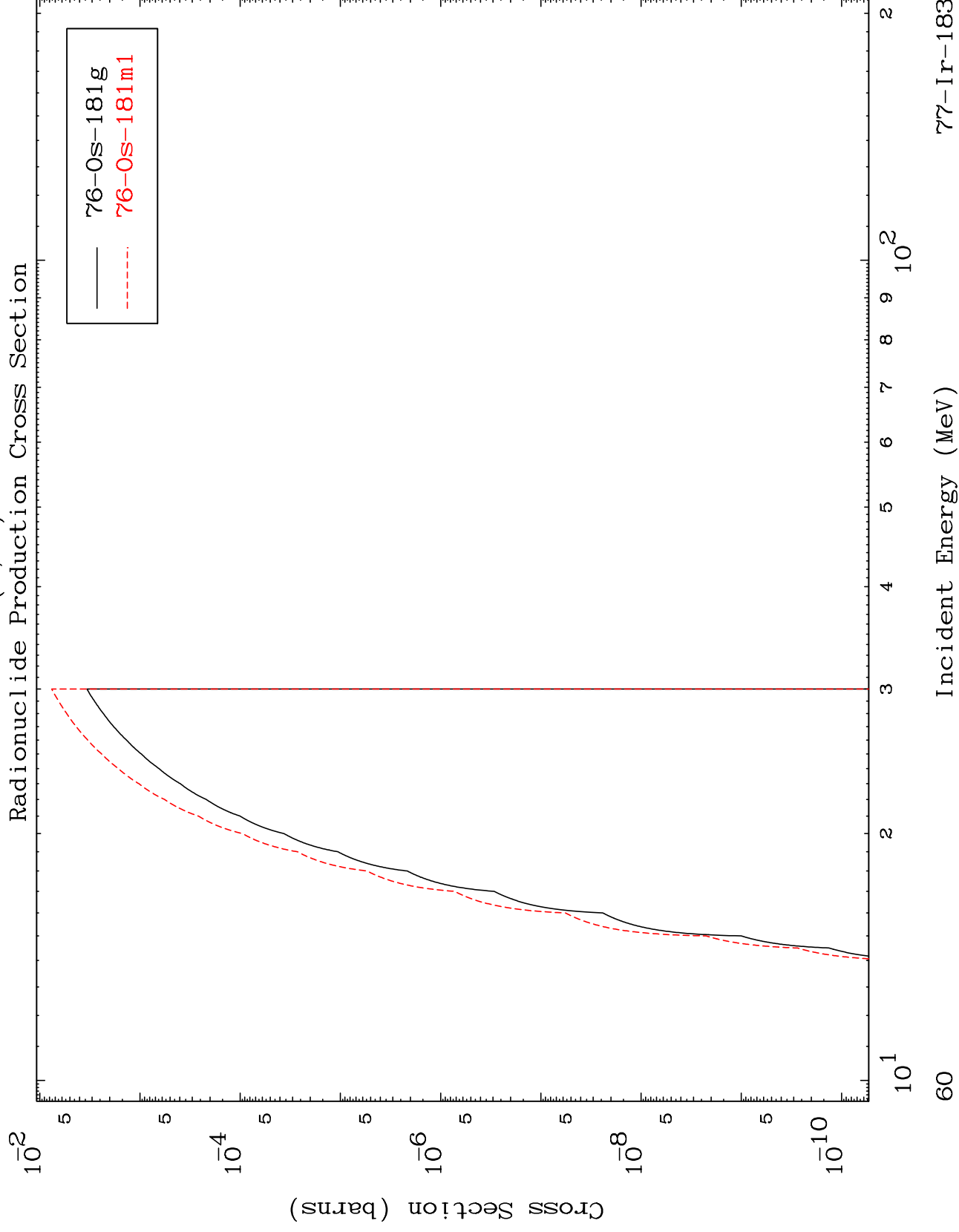
Incident Energy (MeV)

⁷⁷Ir-183

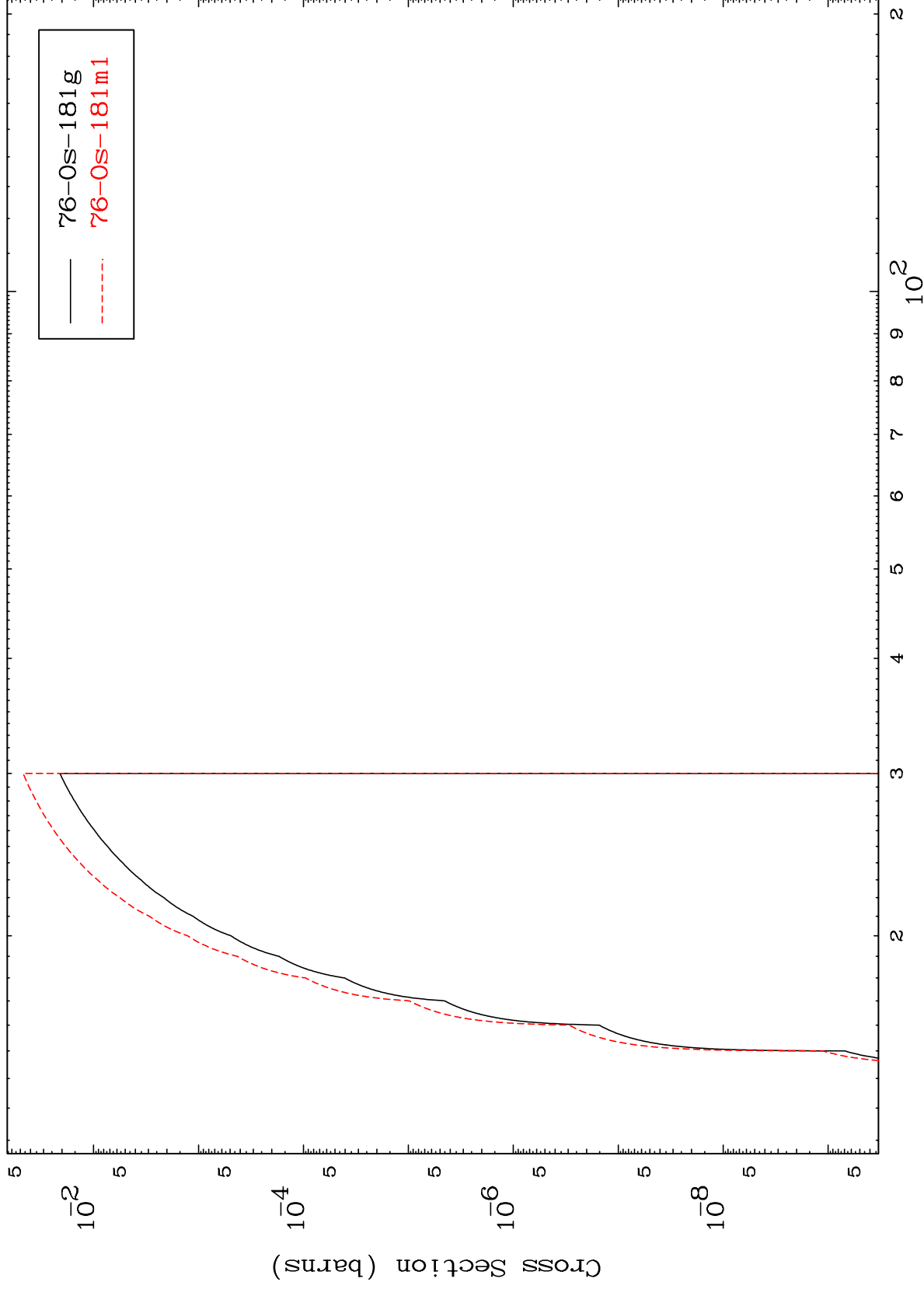
MAT 7701

(n,n') d

77-Ir-183



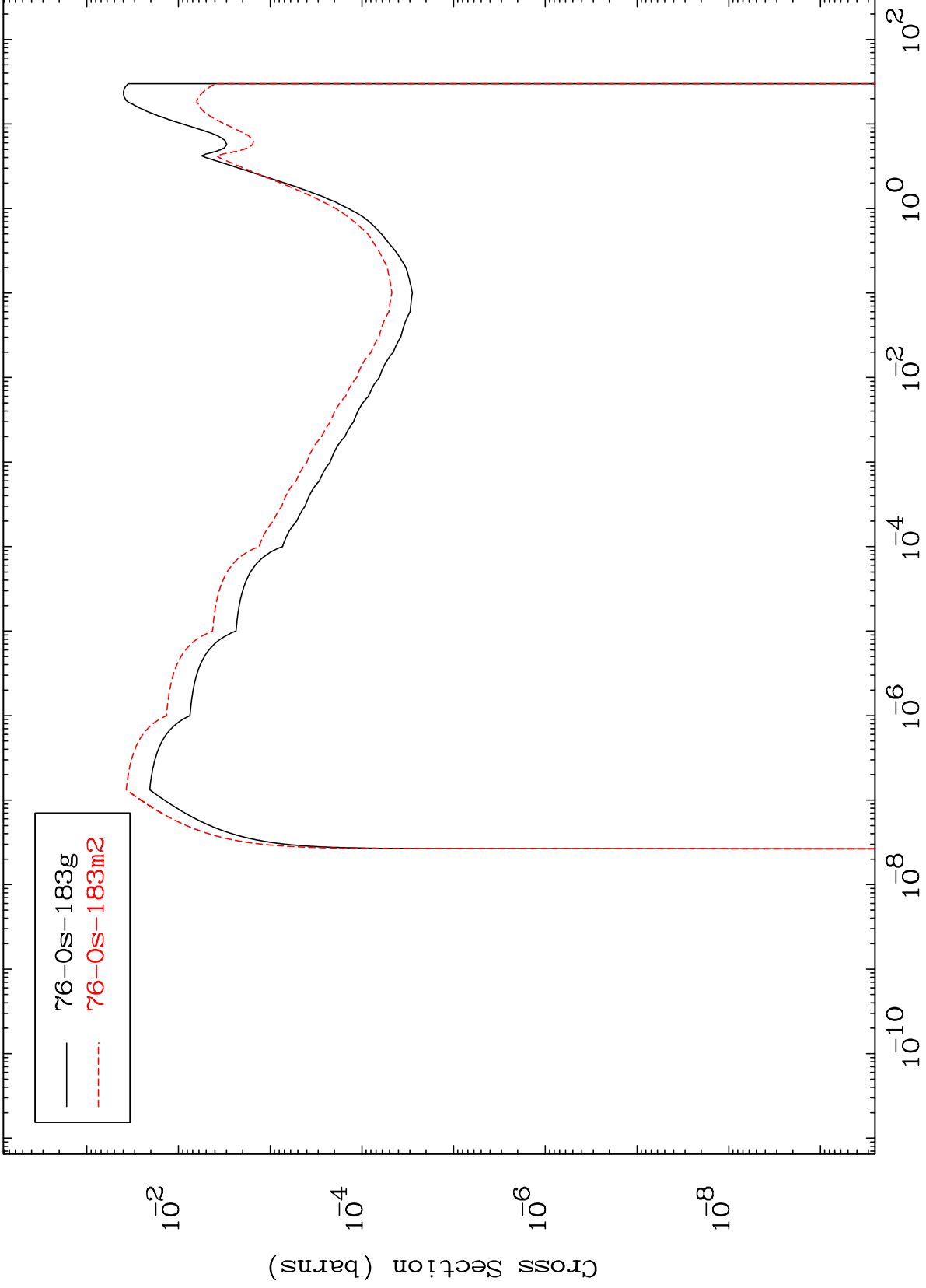
Radionuclide Production Cross Section



MAT 7701

77-Ir-183

(n,p)
Radionuclide Production Cross Section



— 76-Os-183g
- - - 76-Os-183m2

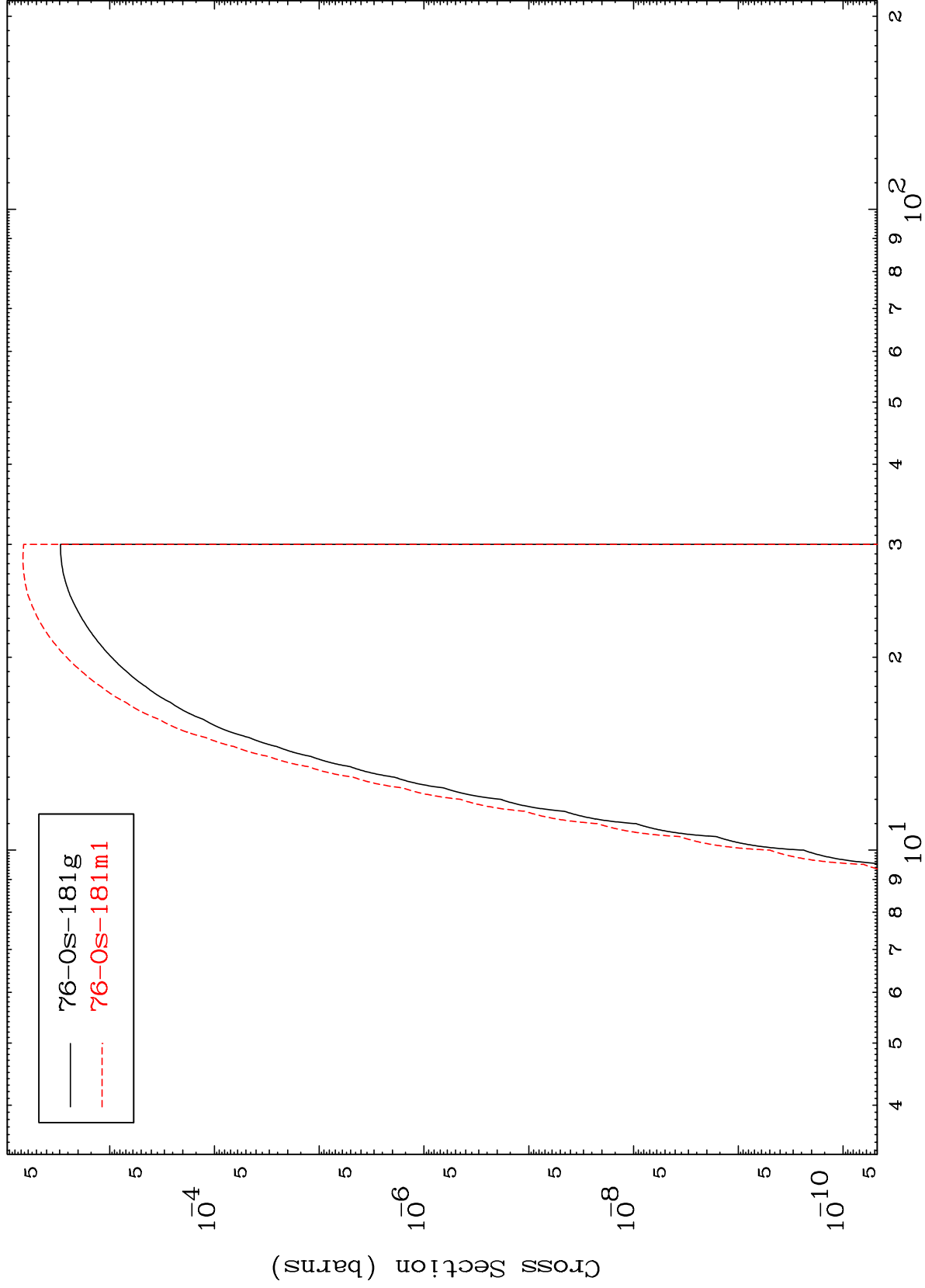
62

77-Ir-183

MAT 7701

77-Ir-183

(n, t)
Radionuclide Production Cross Section



63

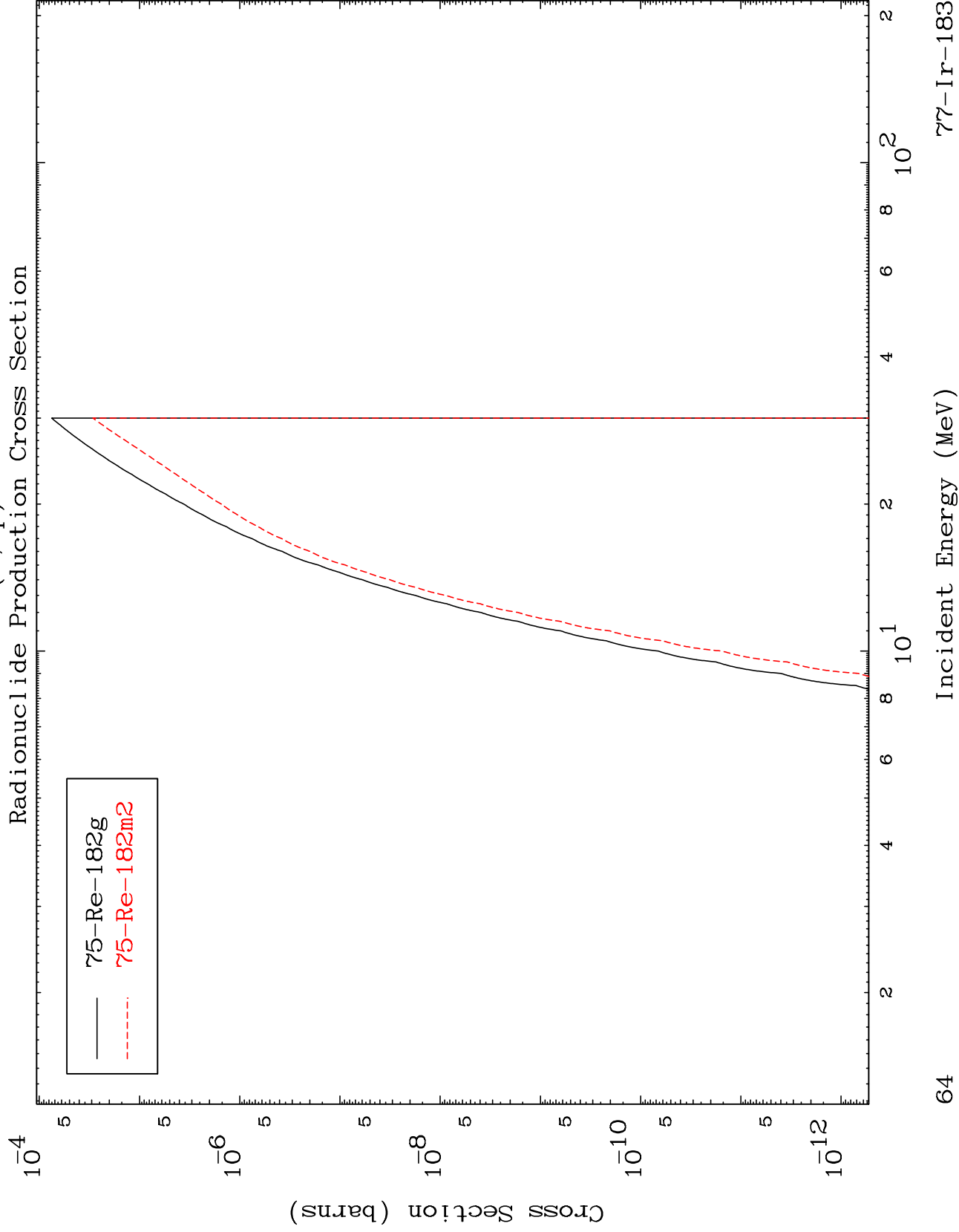
Incident Energy (MeV)

77-Ir-183

MAT 7701

⁷⁷Ir-183

(n,2p)
Radionuclide Production Cross Section



64

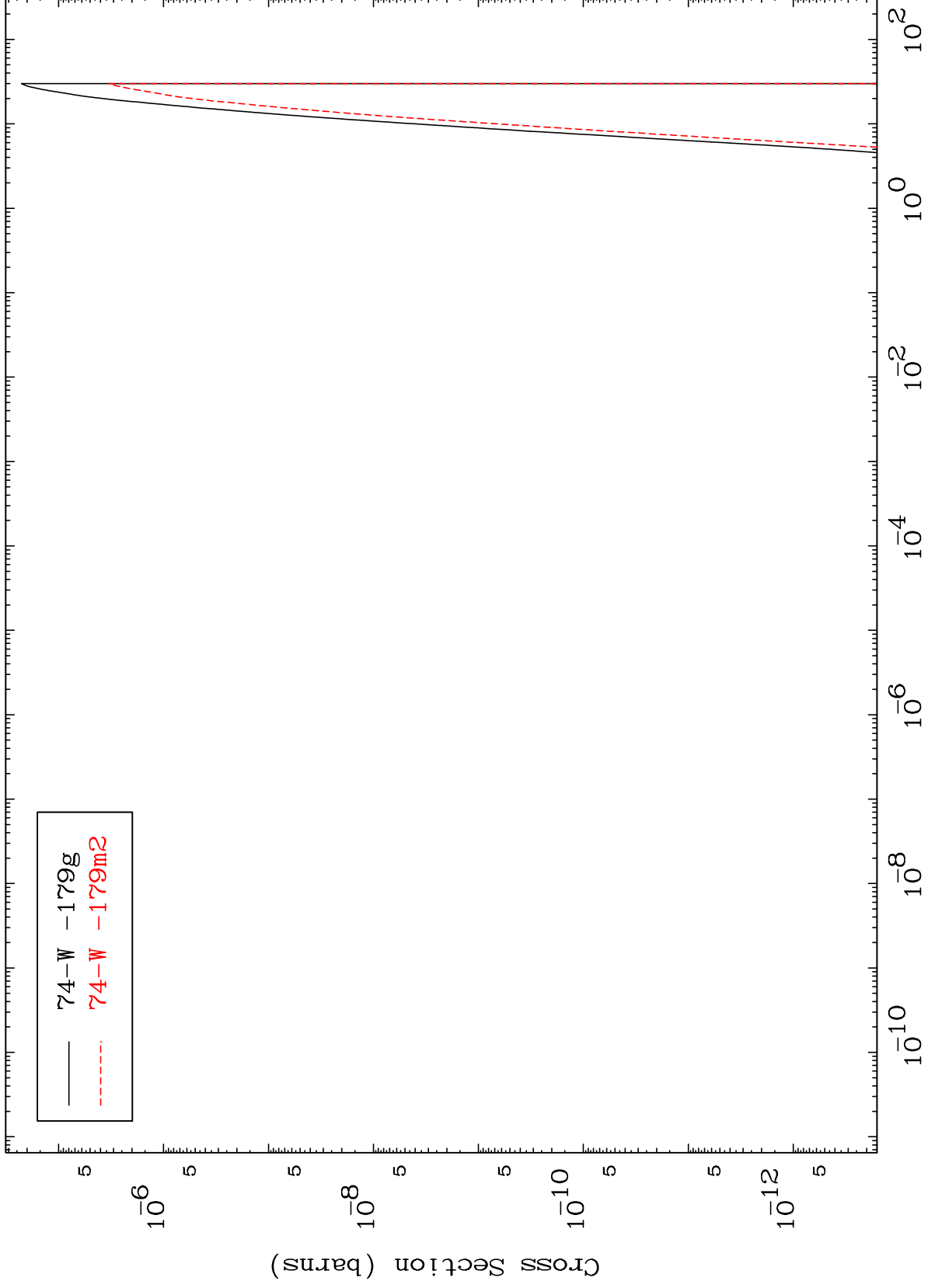
⁷⁷Ir-183

MAT 7701

(n,p) α

⁷⁷Ir-183

Radionuclide Production Cross Section



65

Incident Energy (MeV)

⁷⁷Ir-183