

Program EVALPLOT  
(Version 2021-1)

by

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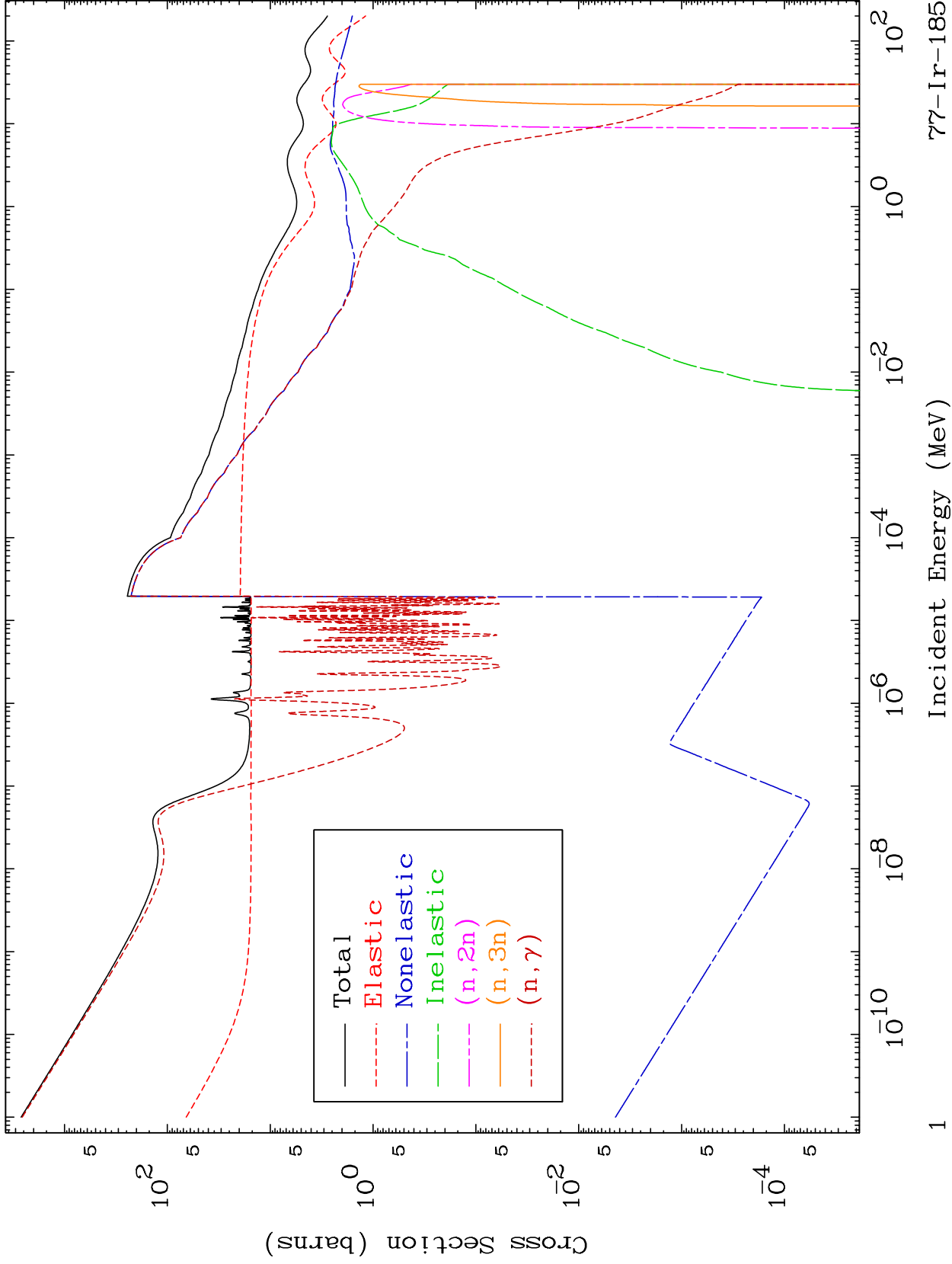
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7707

Neutron Major  
293 Kelvin Cross Sections

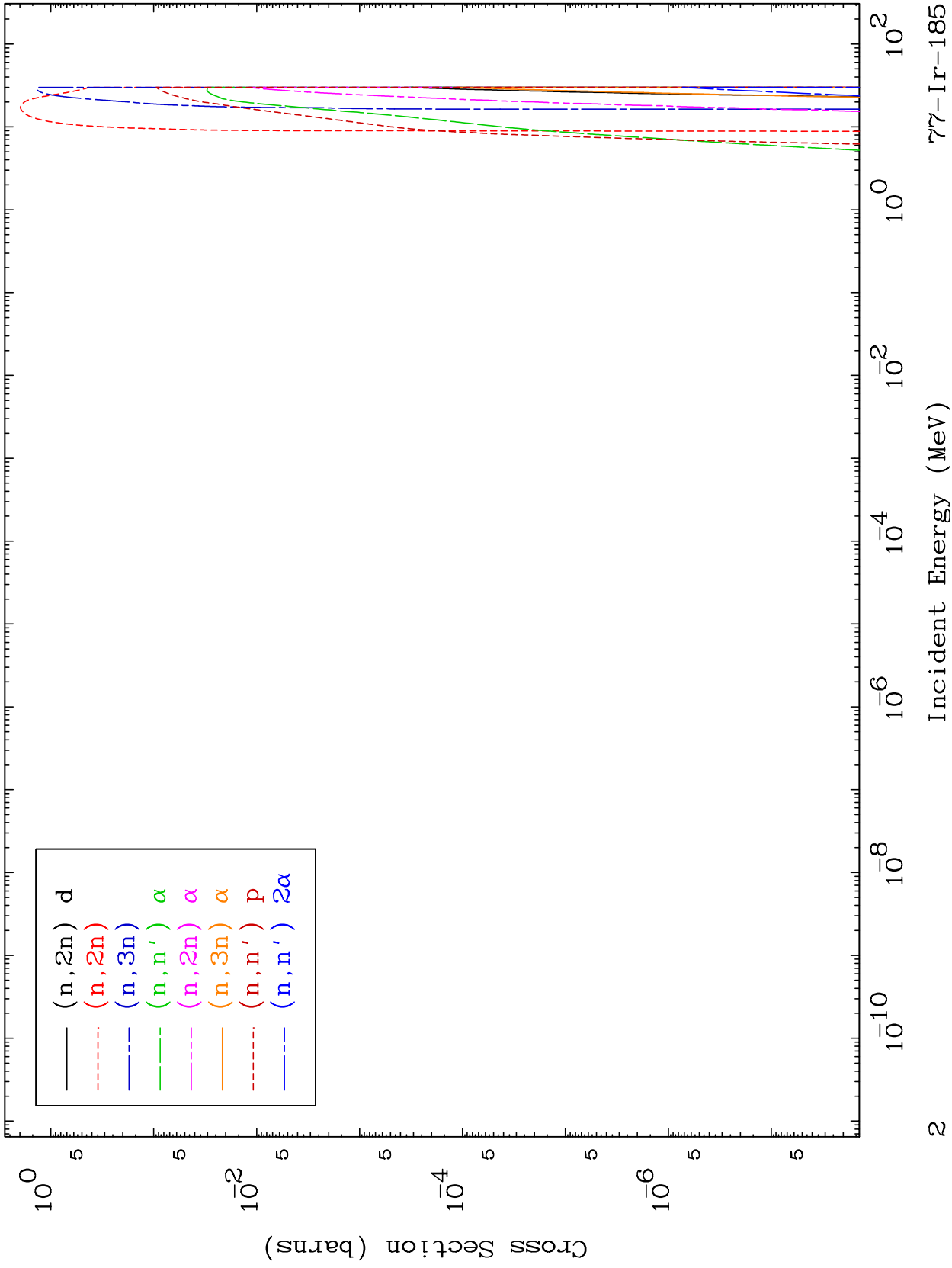
77-Ir-185

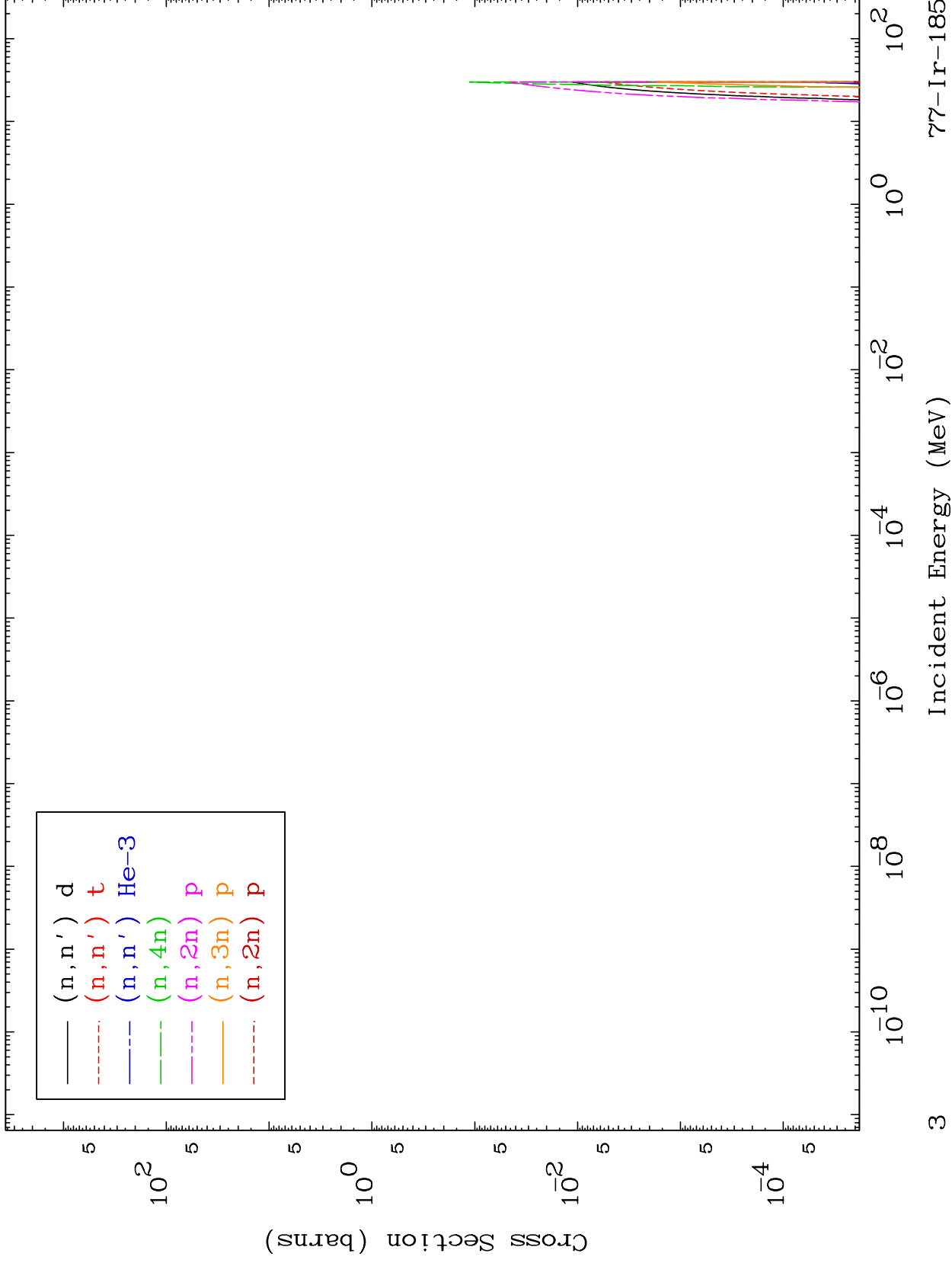


MAT 7707

Neutron Absorption  
293 Kelvin Cross Sections

77-Ir-185

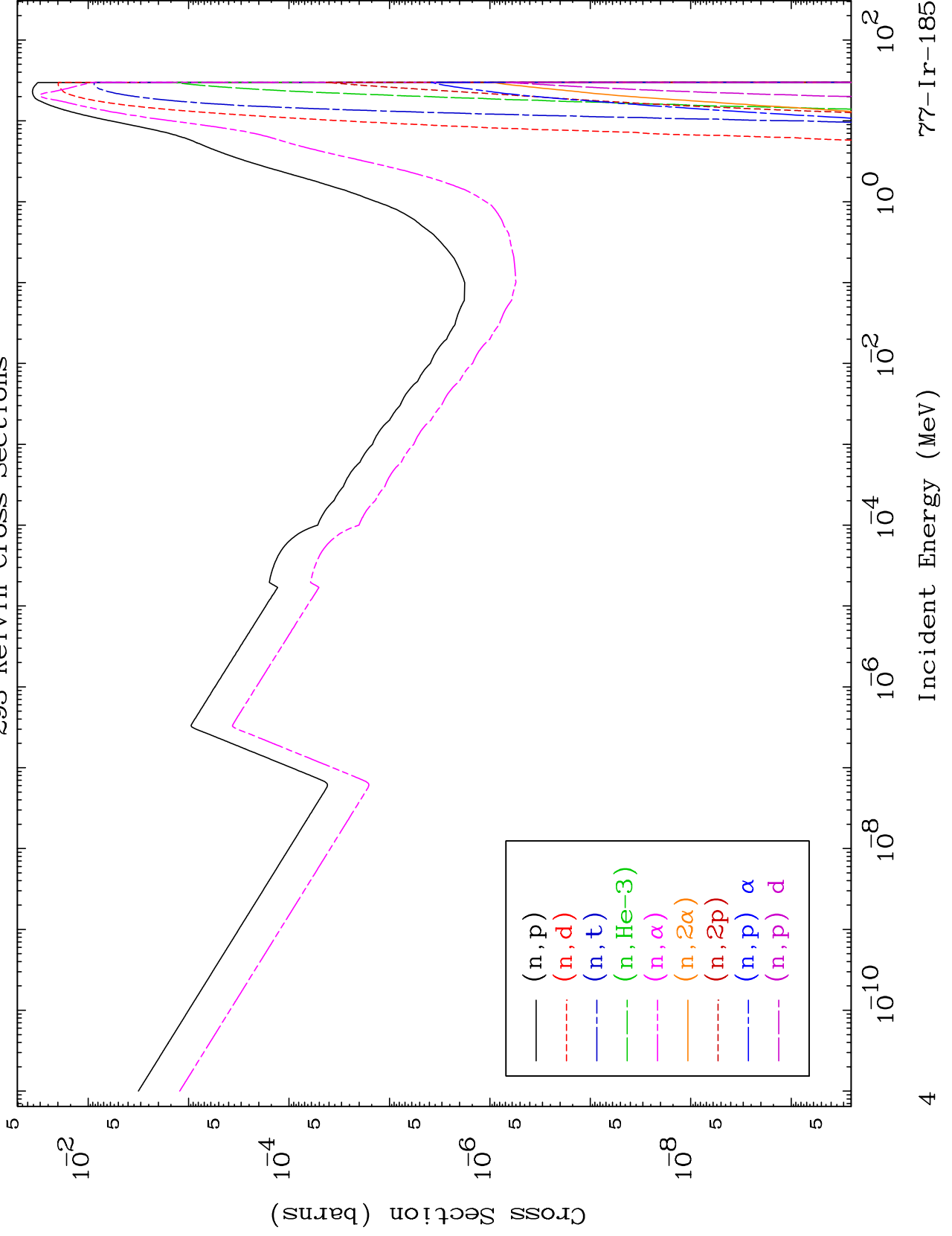




MAT 7707

Neutron Absorption  
293 Kelvin Cross Sections

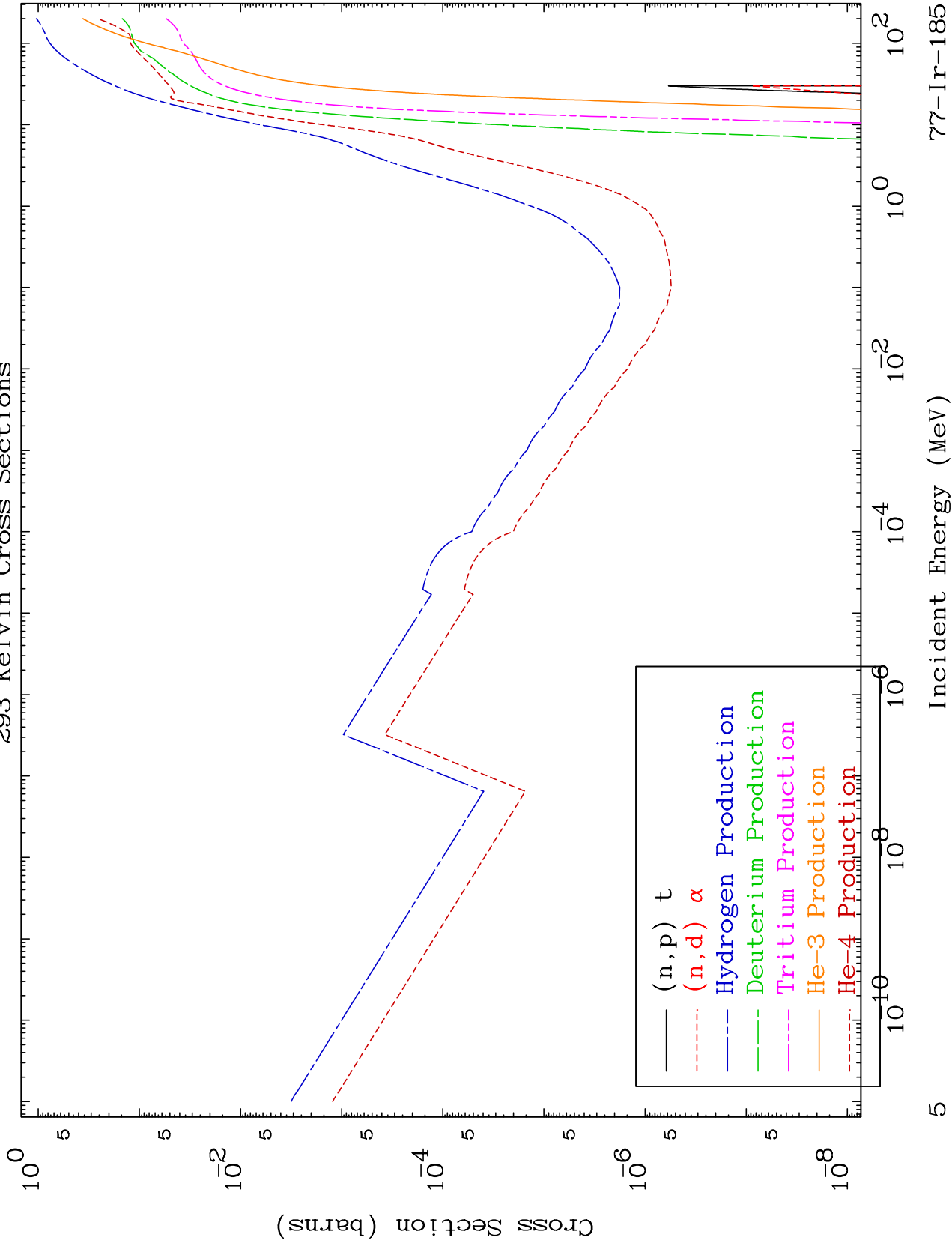
77-Ir-185



MAT 7707

Neutron Absorption  
293 Kelvin Cross Sections

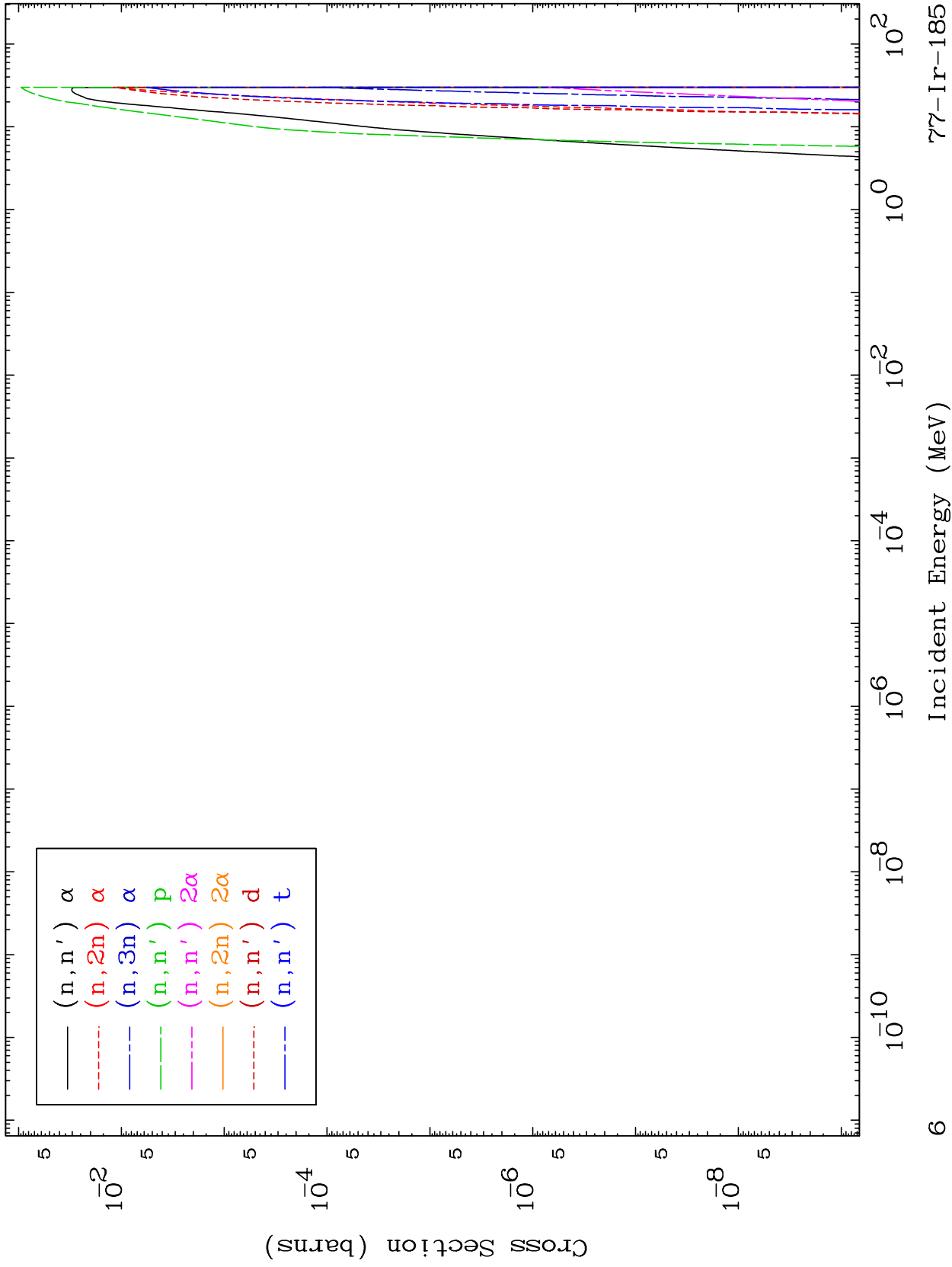
77-Ir-185

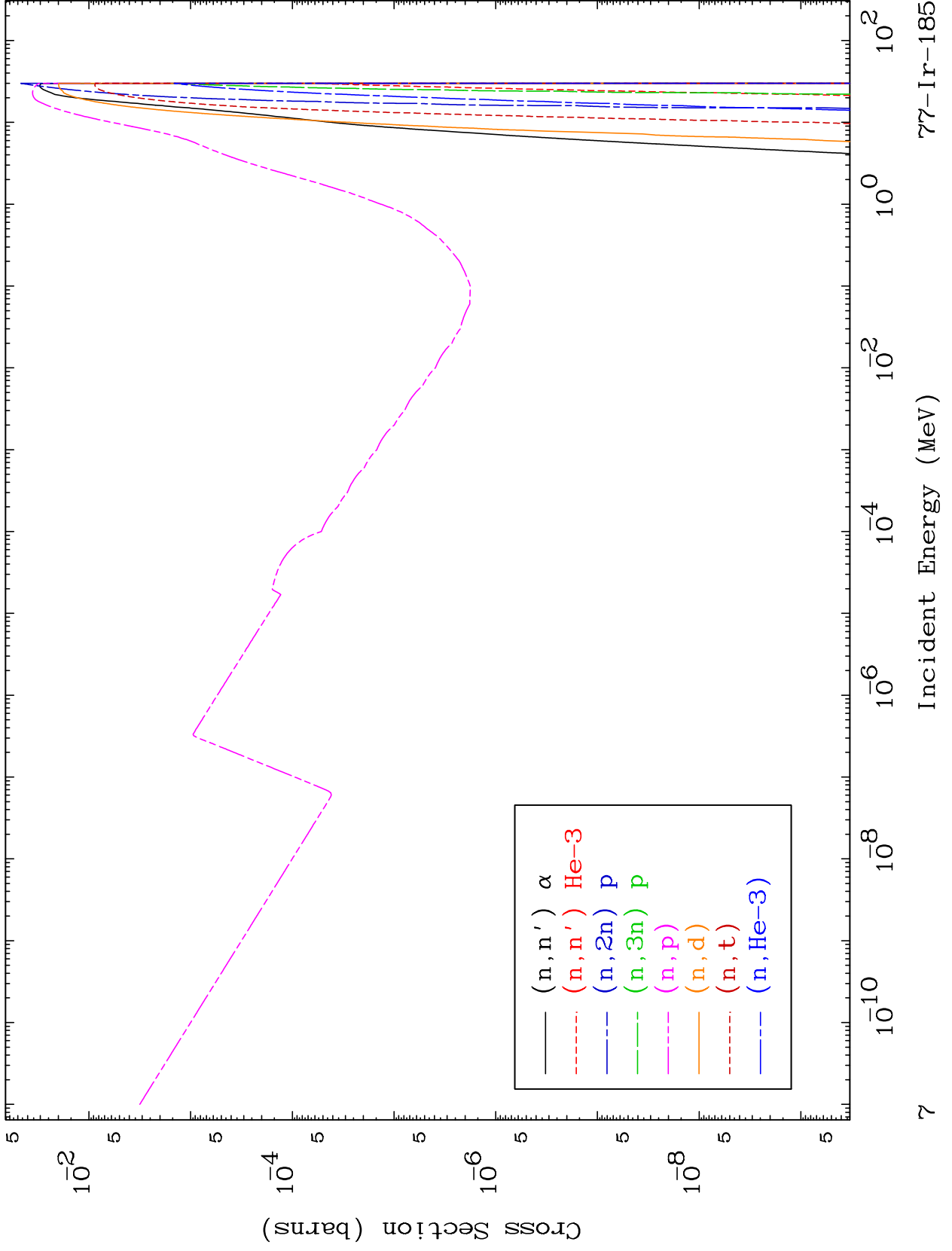


MAT 7707

Charged Particle  
293 Kelvin Cross Sections

77-Ir-185

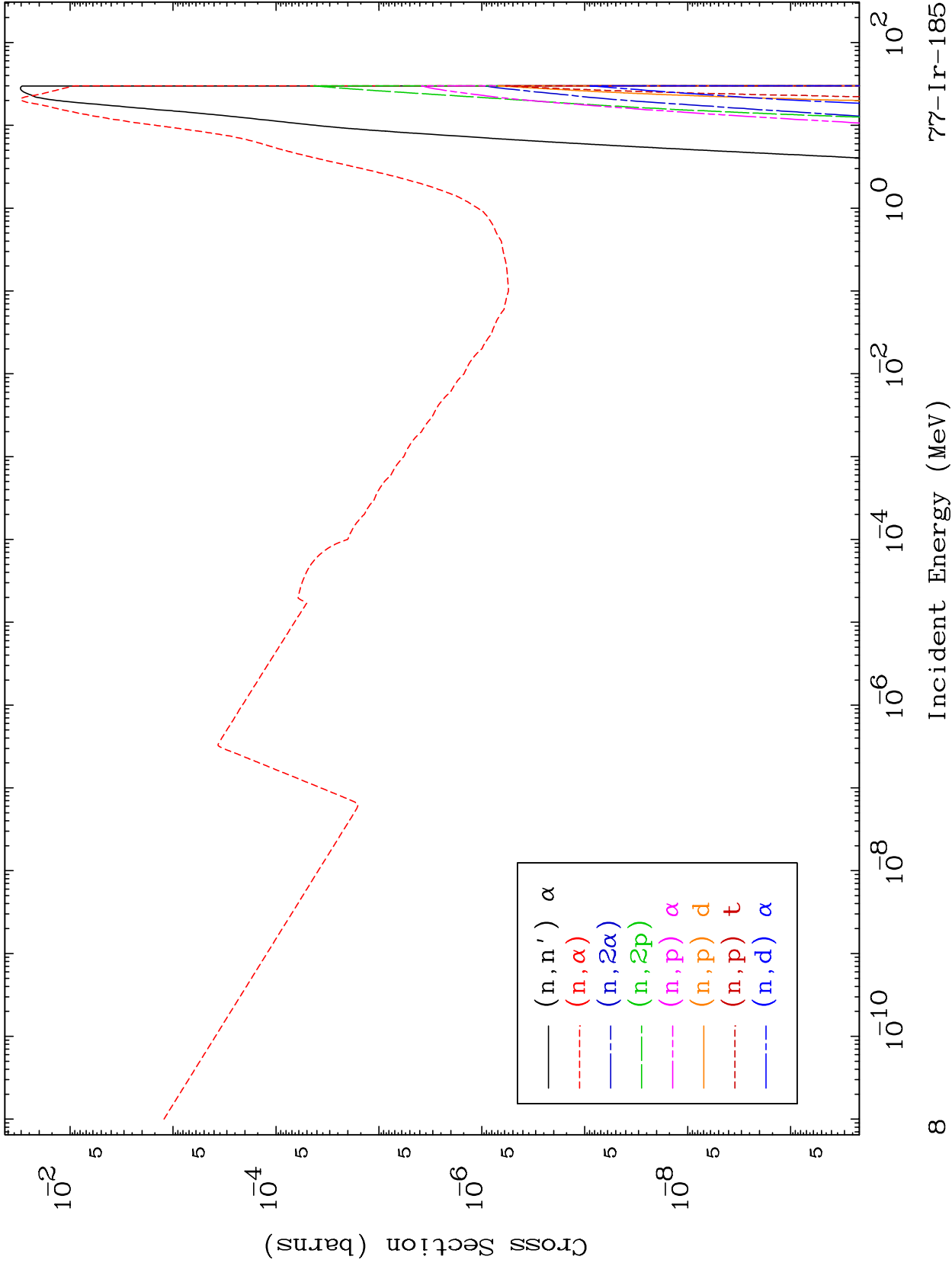


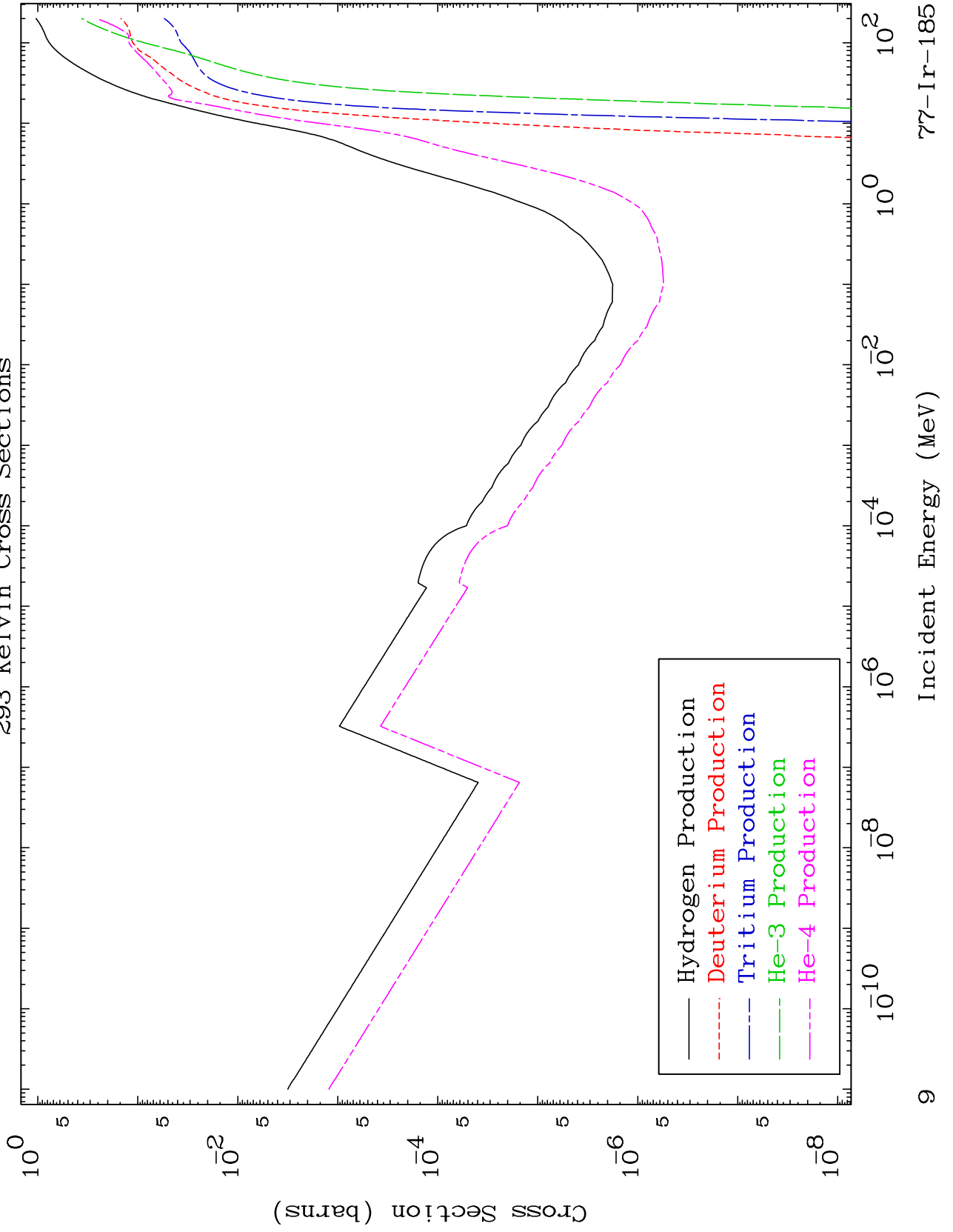


MAT 7707

Charged Particle  
293 Kelvin Cross Sections

77-Ir-185

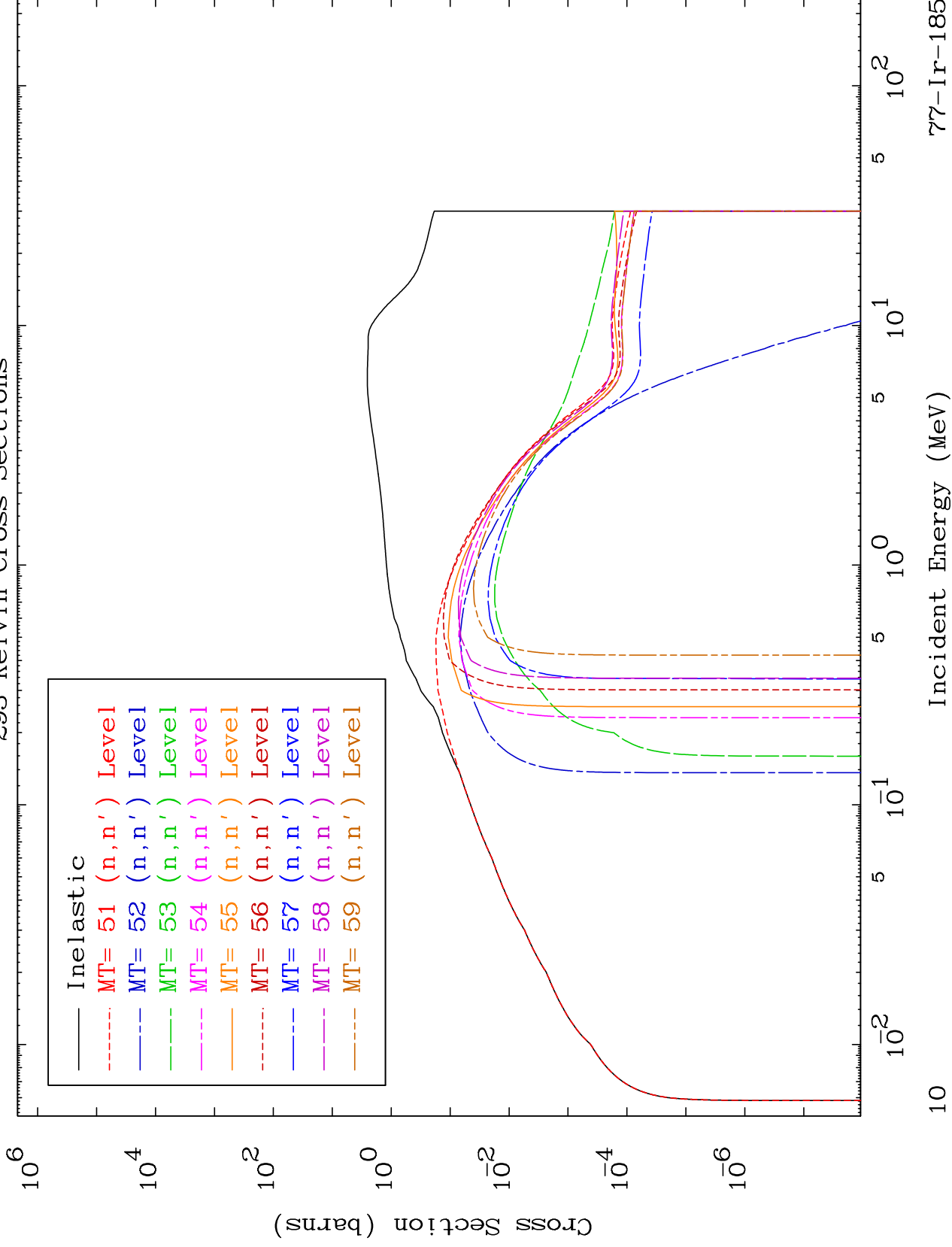




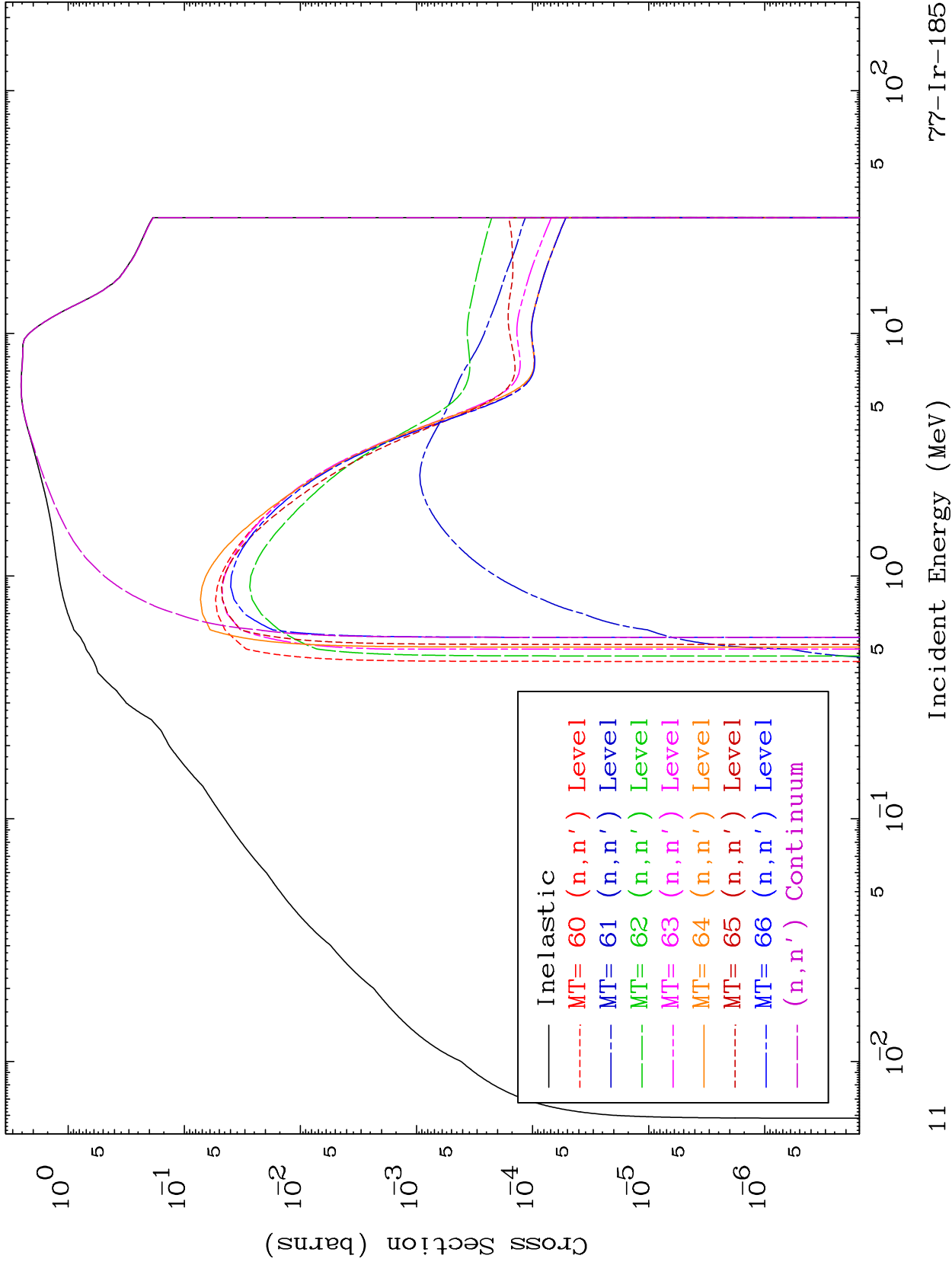
MAT 7707

(n,n') Levels  
293 Kelvin Cross Sections

77-Ir-185



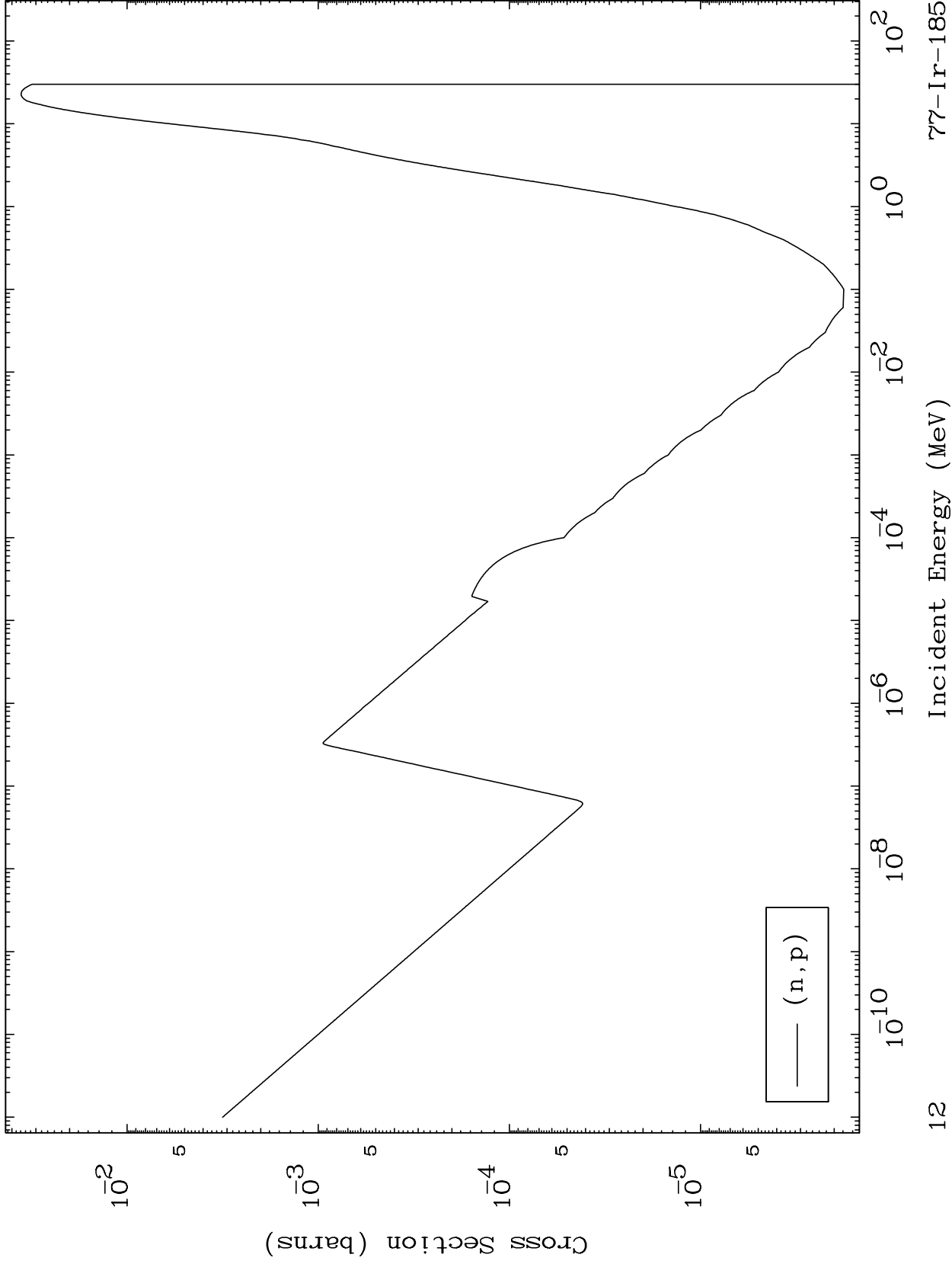
77-Ir-185



MAT 7707

(n,p) Levels  
293 Kelvin Cross Sections

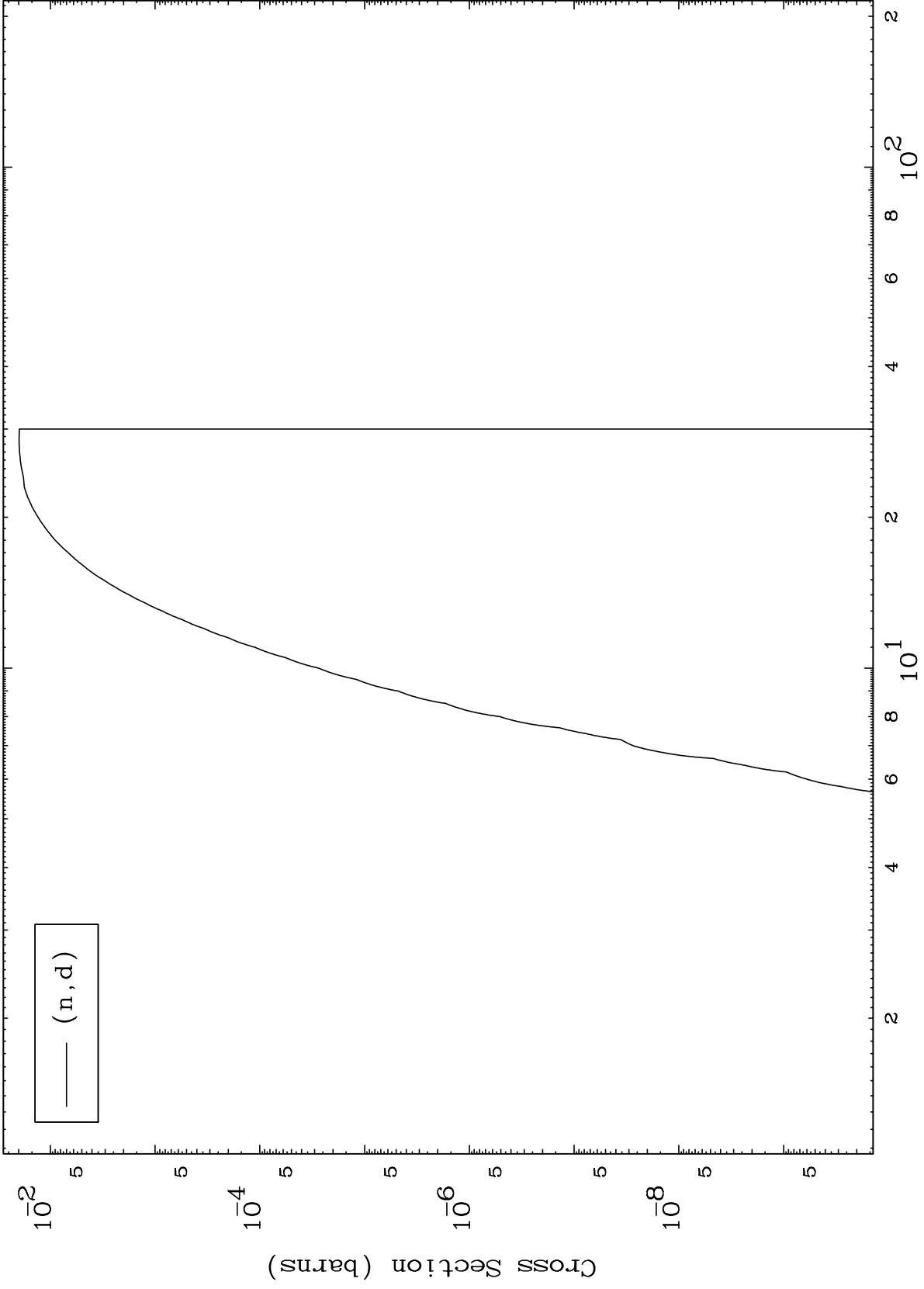
77-Ir-185



MAT 7707

(n,d) Levels  
293 Kelvin Cross Sections

77-Ir-185



13

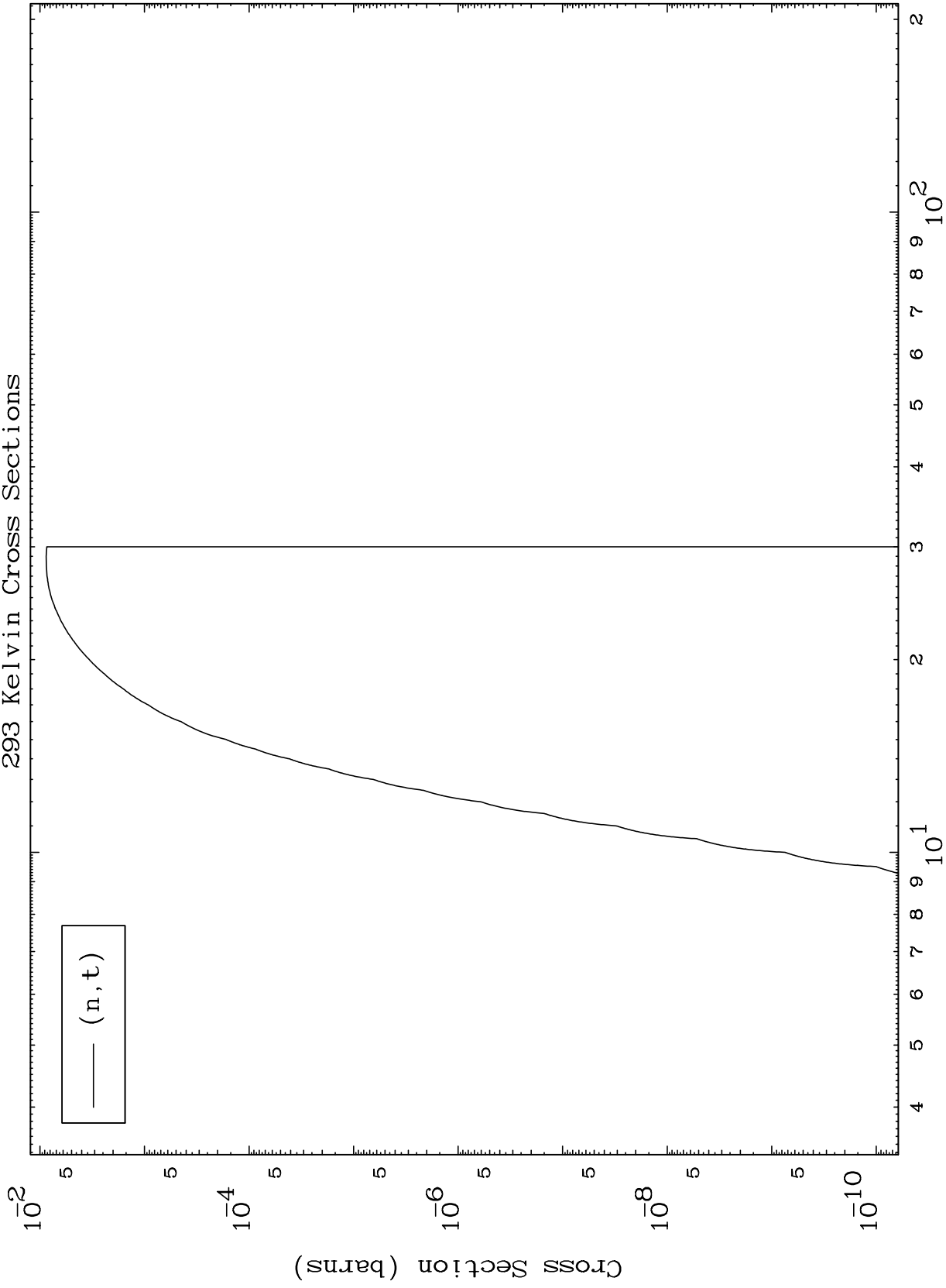
Incident Energy (MeV)

77-Ir-185

MAT 7707

(n,t) Levels  
293 Kelvin Cross Sections

77-Ir-185



14

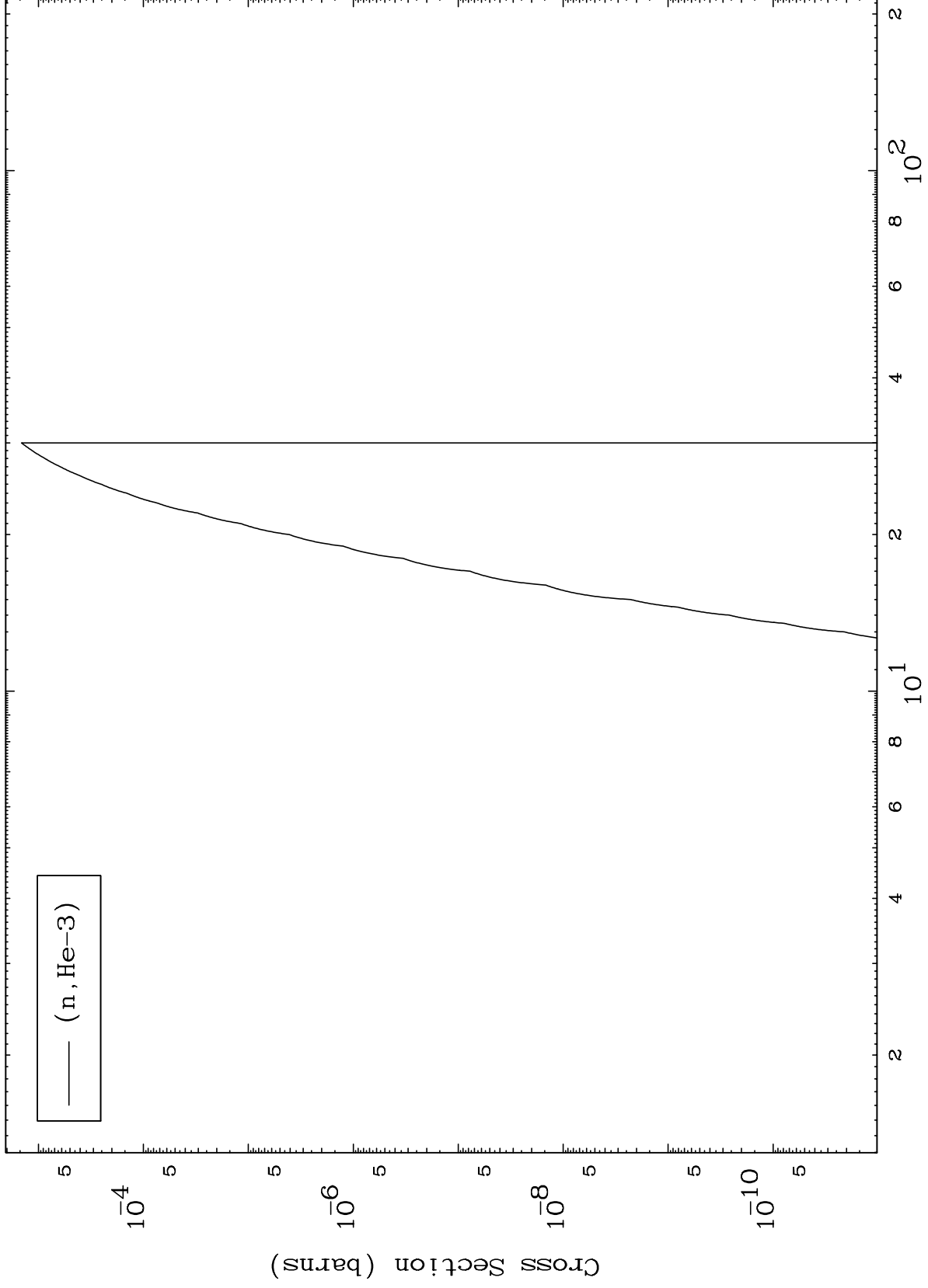
Incident Energy (MeV)

77-Ir-185

MAT 7707

(n,He3) Levels  
293 Kelvin Cross Sections

<sup>77</sup>Ir-185



15

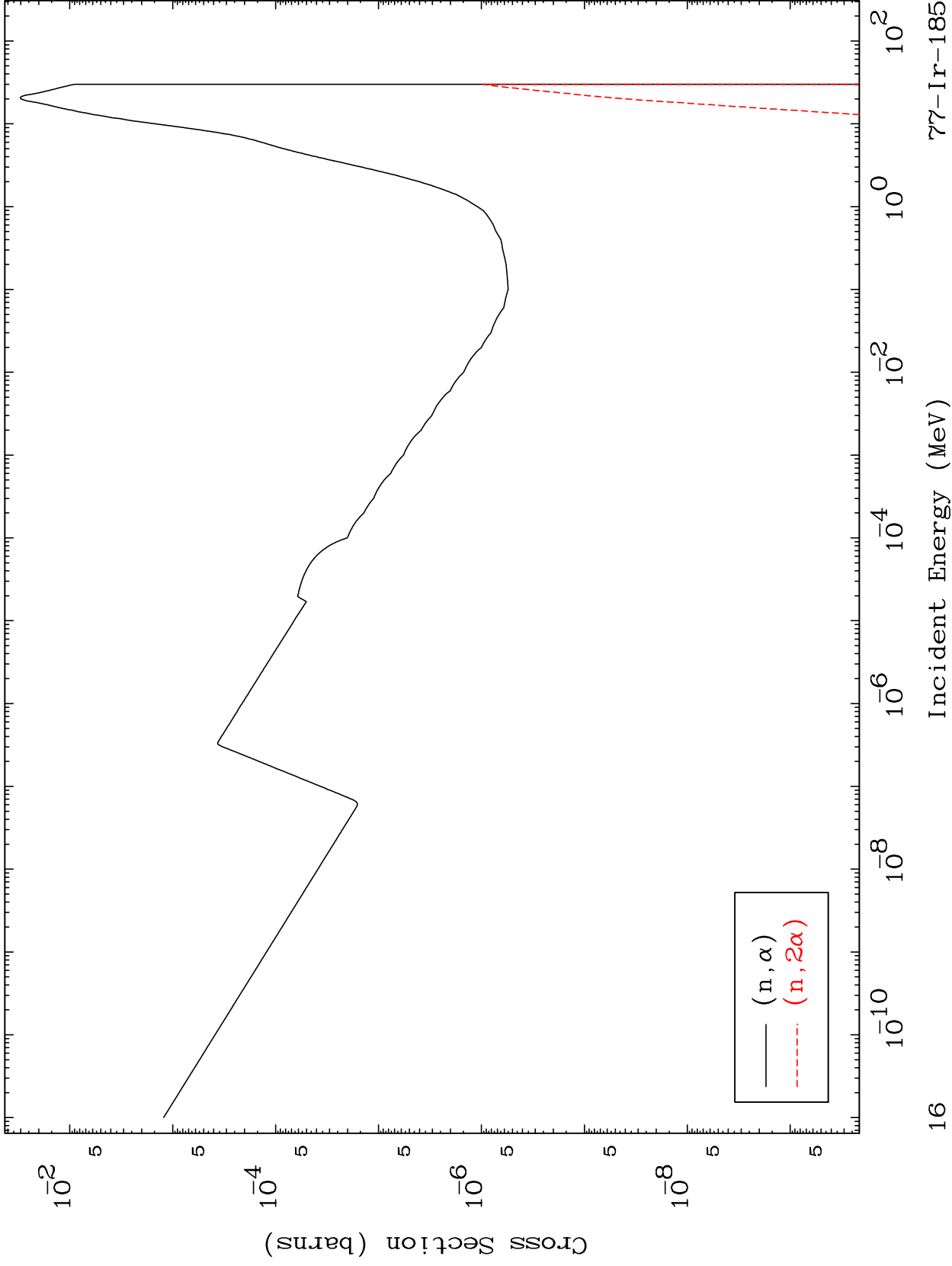
Incident Energy (MeV)

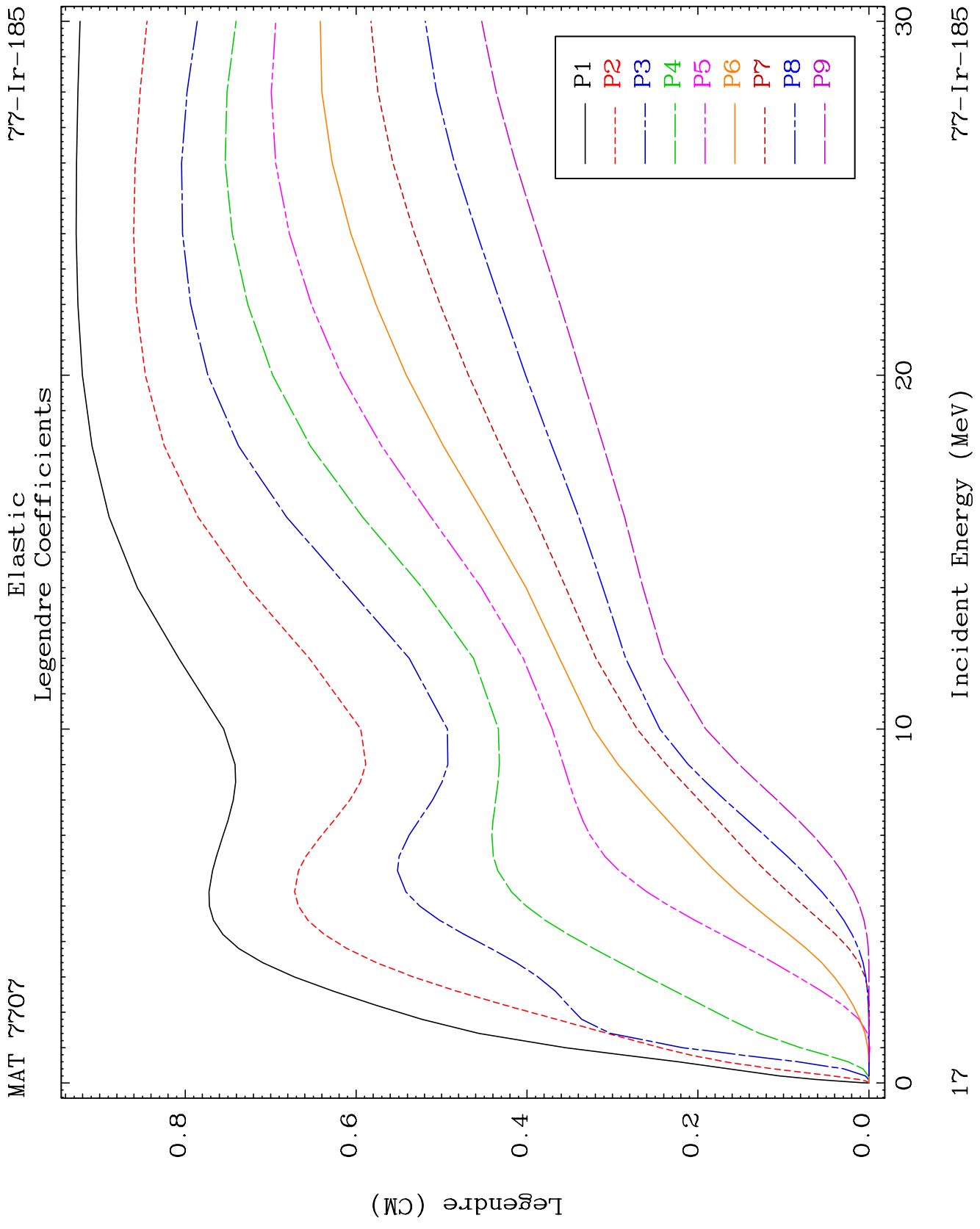
<sup>77</sup>Ir-185

MAT 7707

(n,α) Levels  
293 Kelvin Cross Sections

77-Ir-185





77-Ir-185

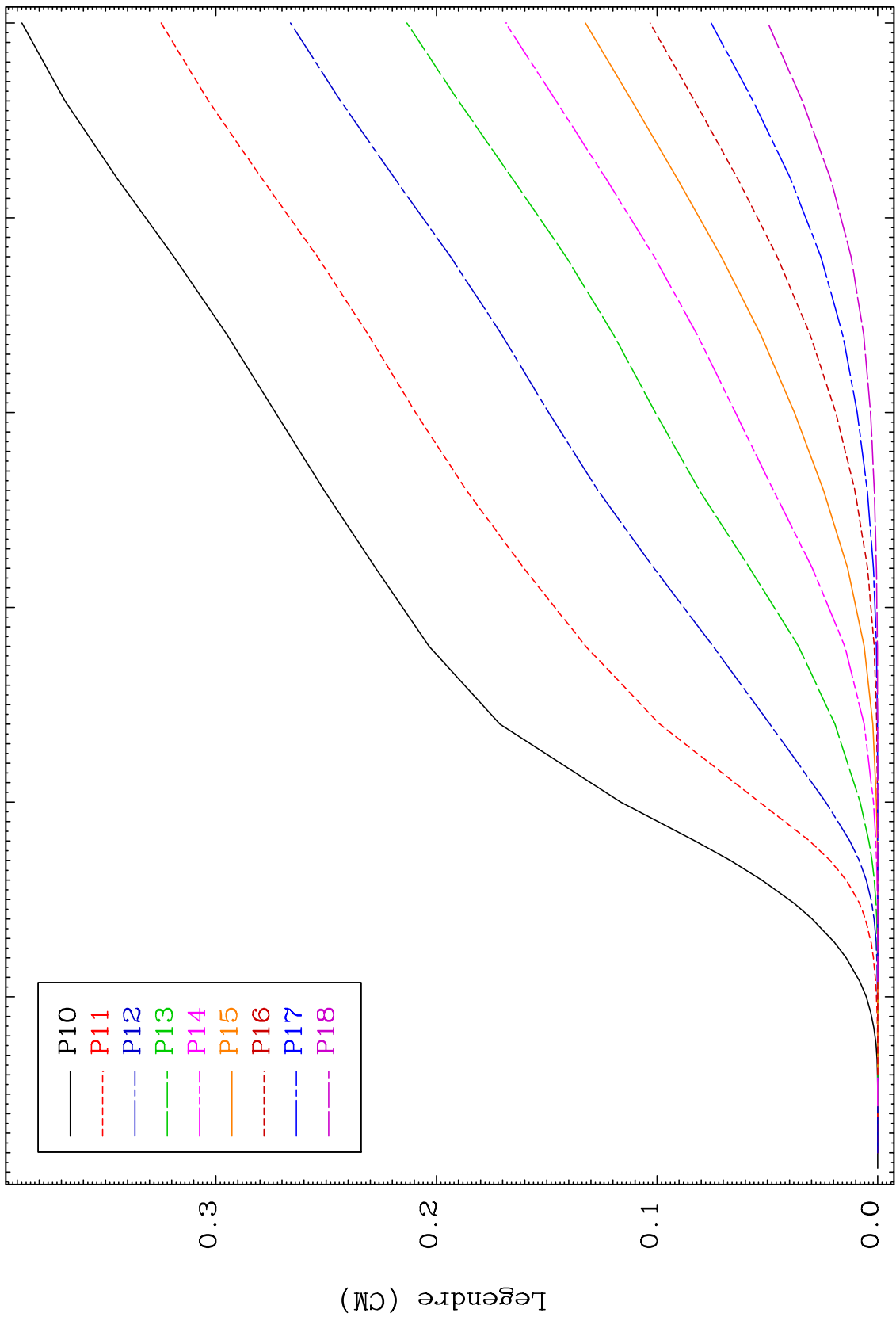
Incident Energy (MeV)

17

MAT 7707

Elastic Legendre Coefficients

<sup>77</sup>Ir-185



18

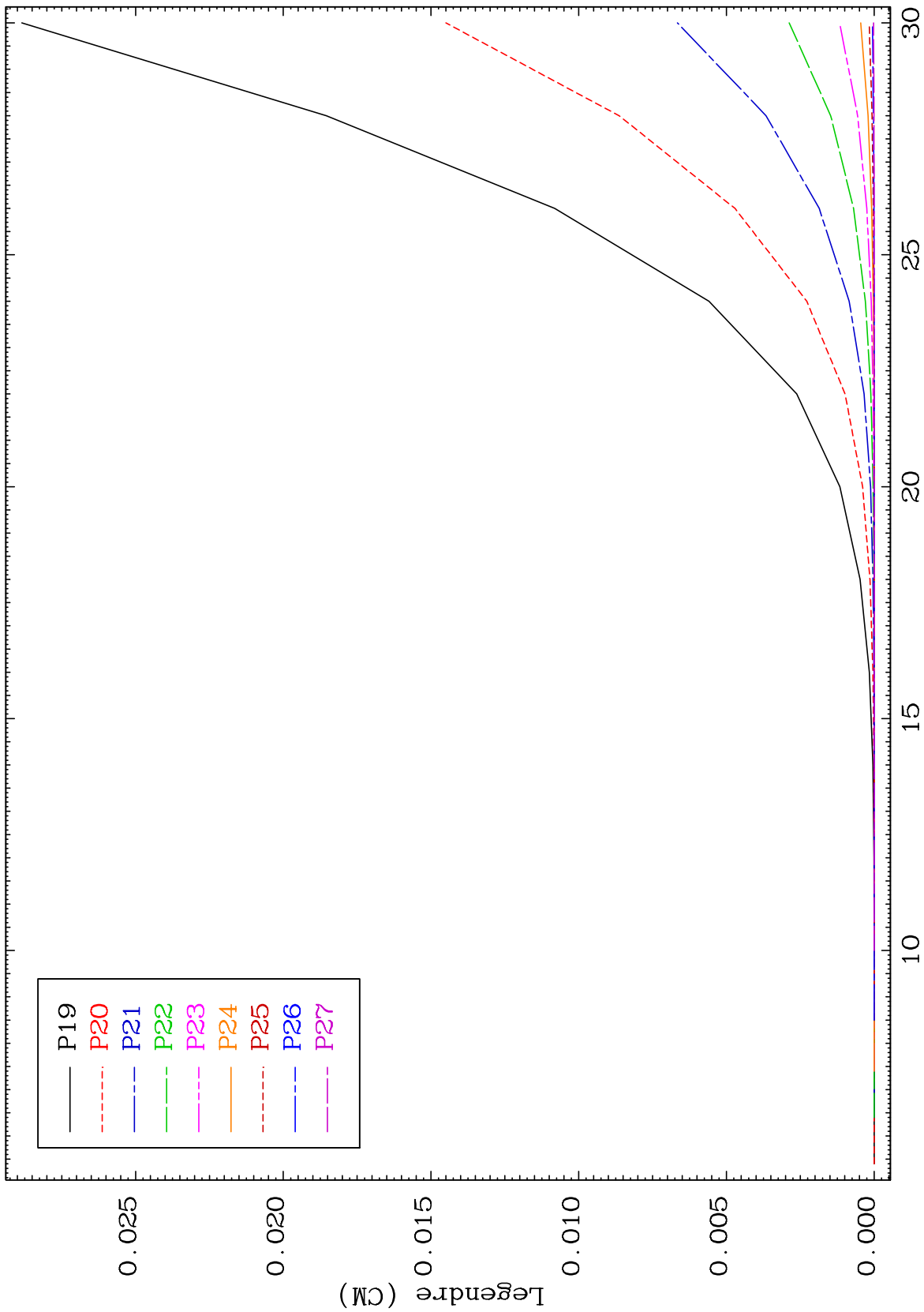
Incident Energy (MeV)

<sup>77</sup>Ir-185

MAT 7707

### Elastic Legendre Coefficients

77-Ir-185



19

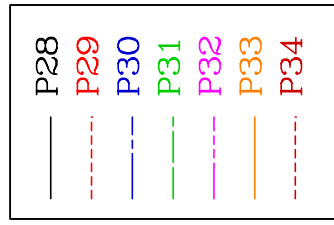
Incident Energy (MeV)

77-Ir-185

MAT 7707

Elastic  
Legendre Coefficients

77-Ir-185



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

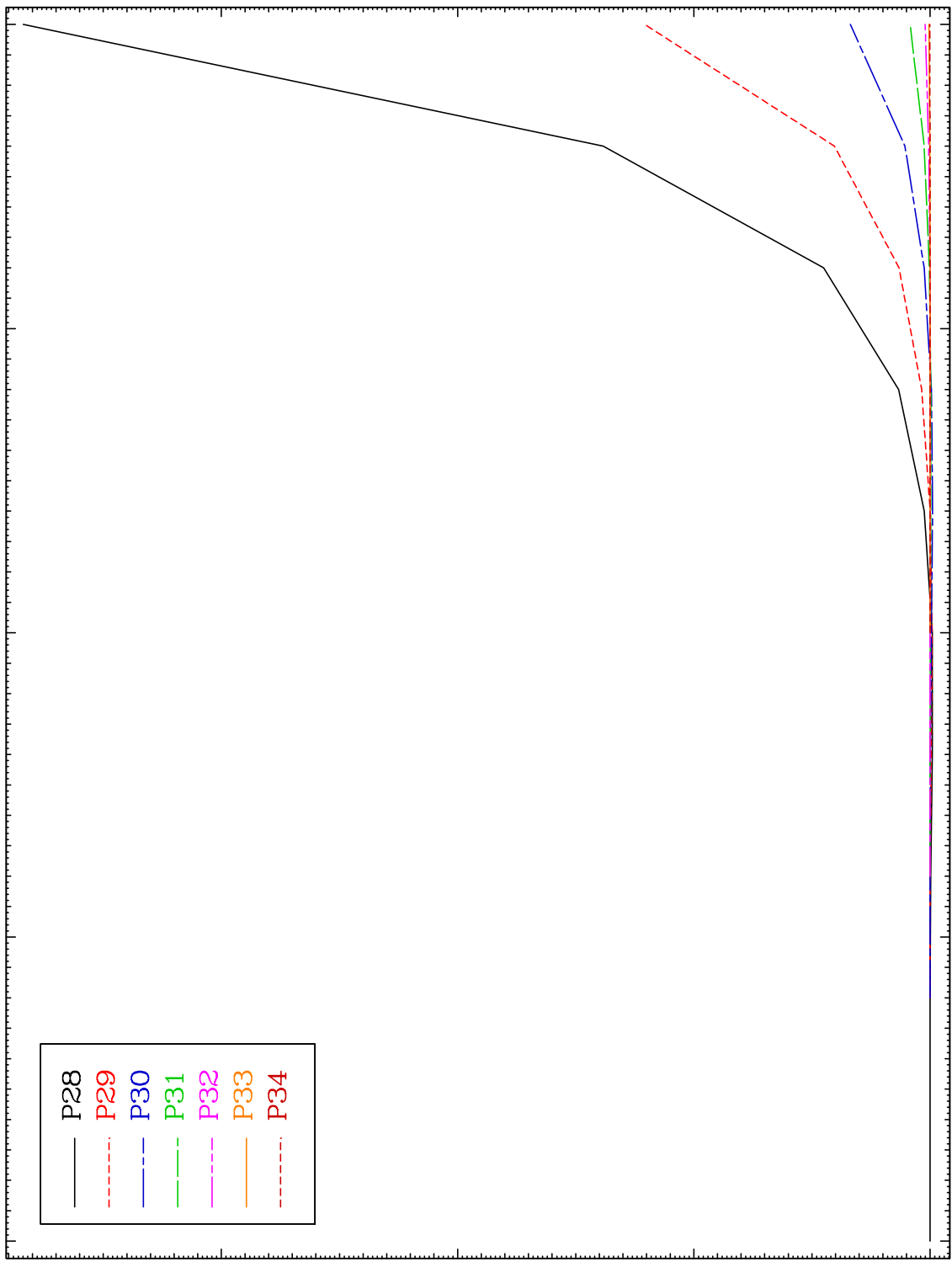
25

30

20

Incident Energy (MeV)

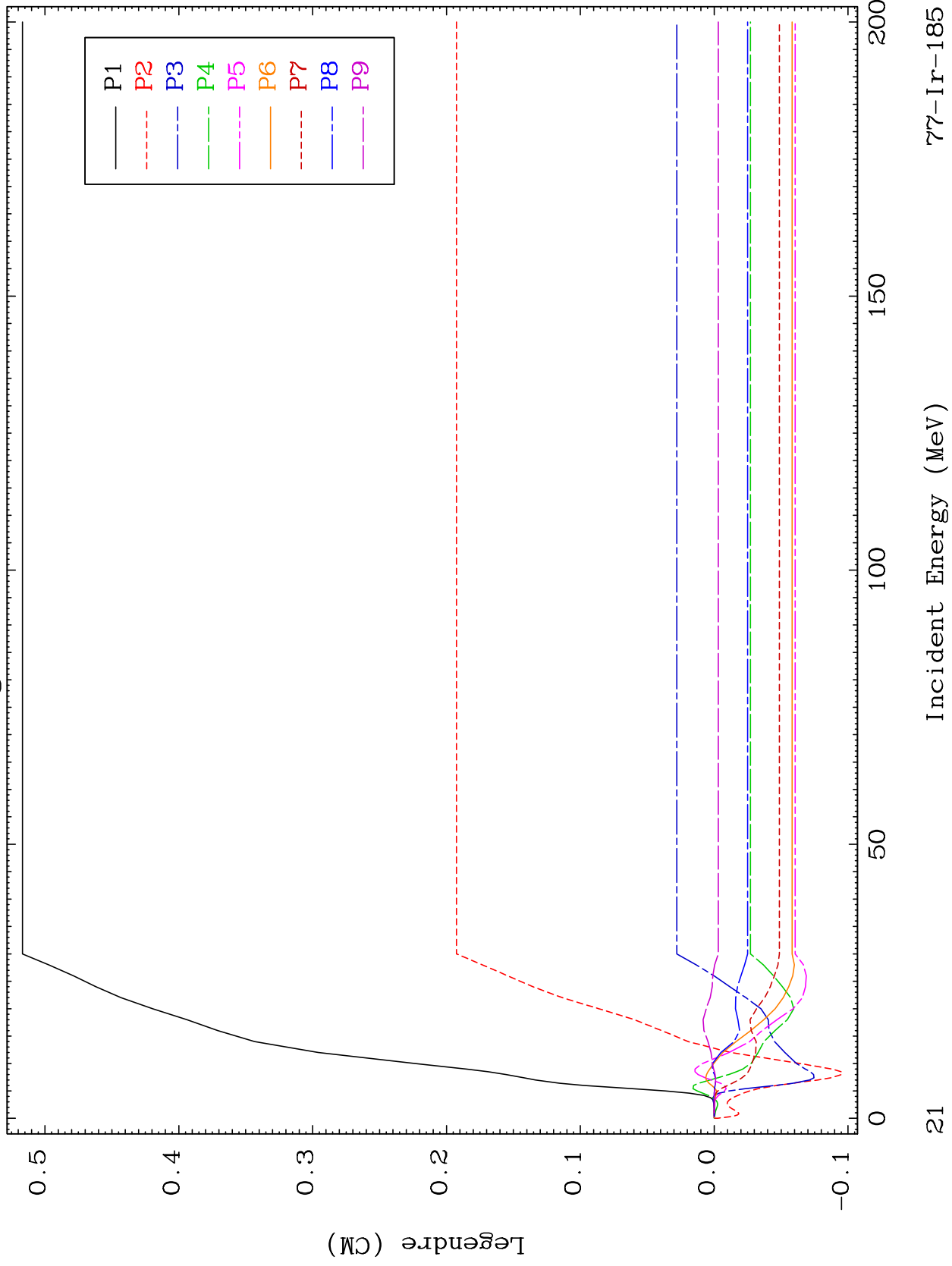
77-Ir-185



MAT 7707

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

77-Ir-185



77-Ir-185

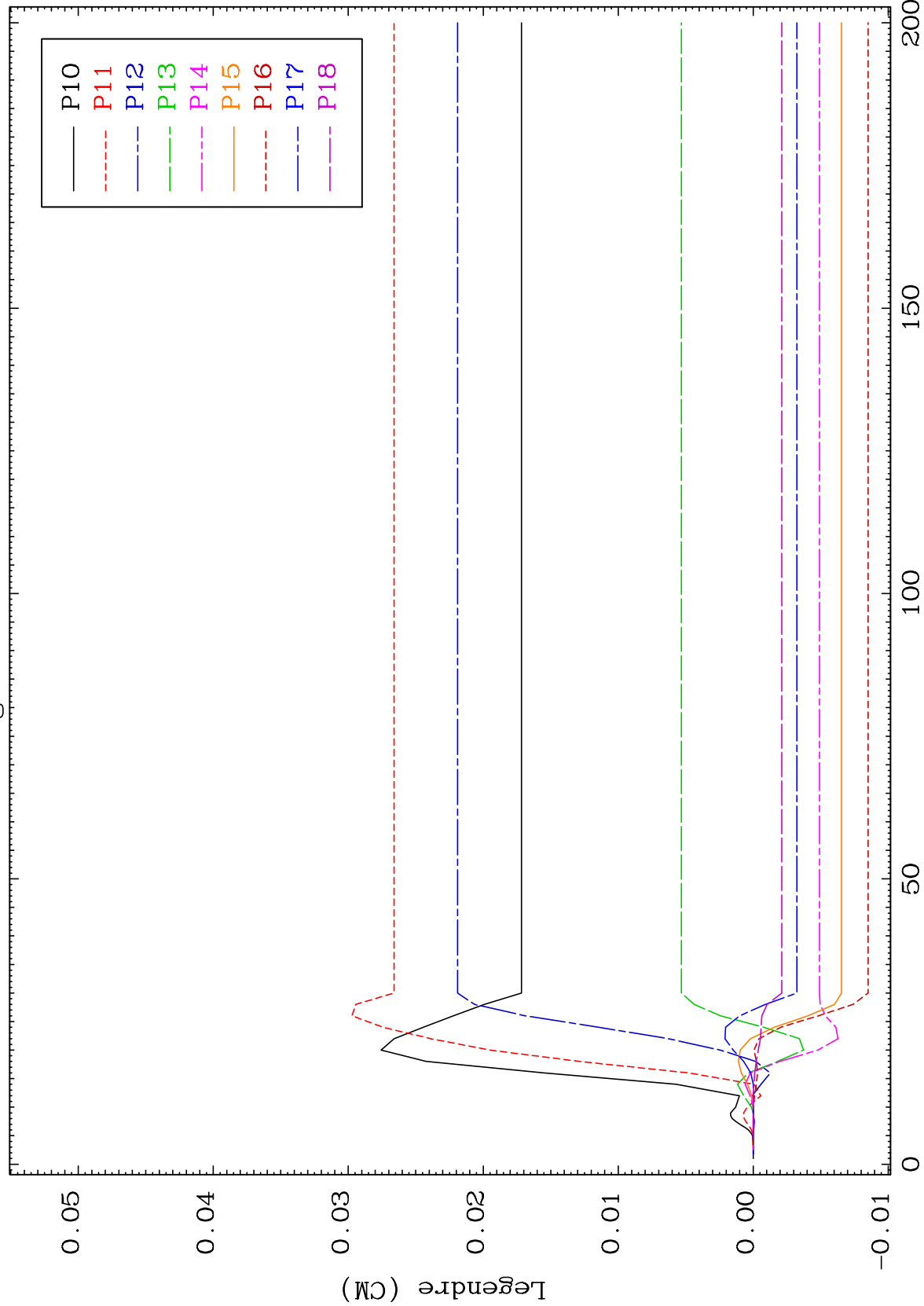
Incident Energy (MeV)

21

MAT 7707

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

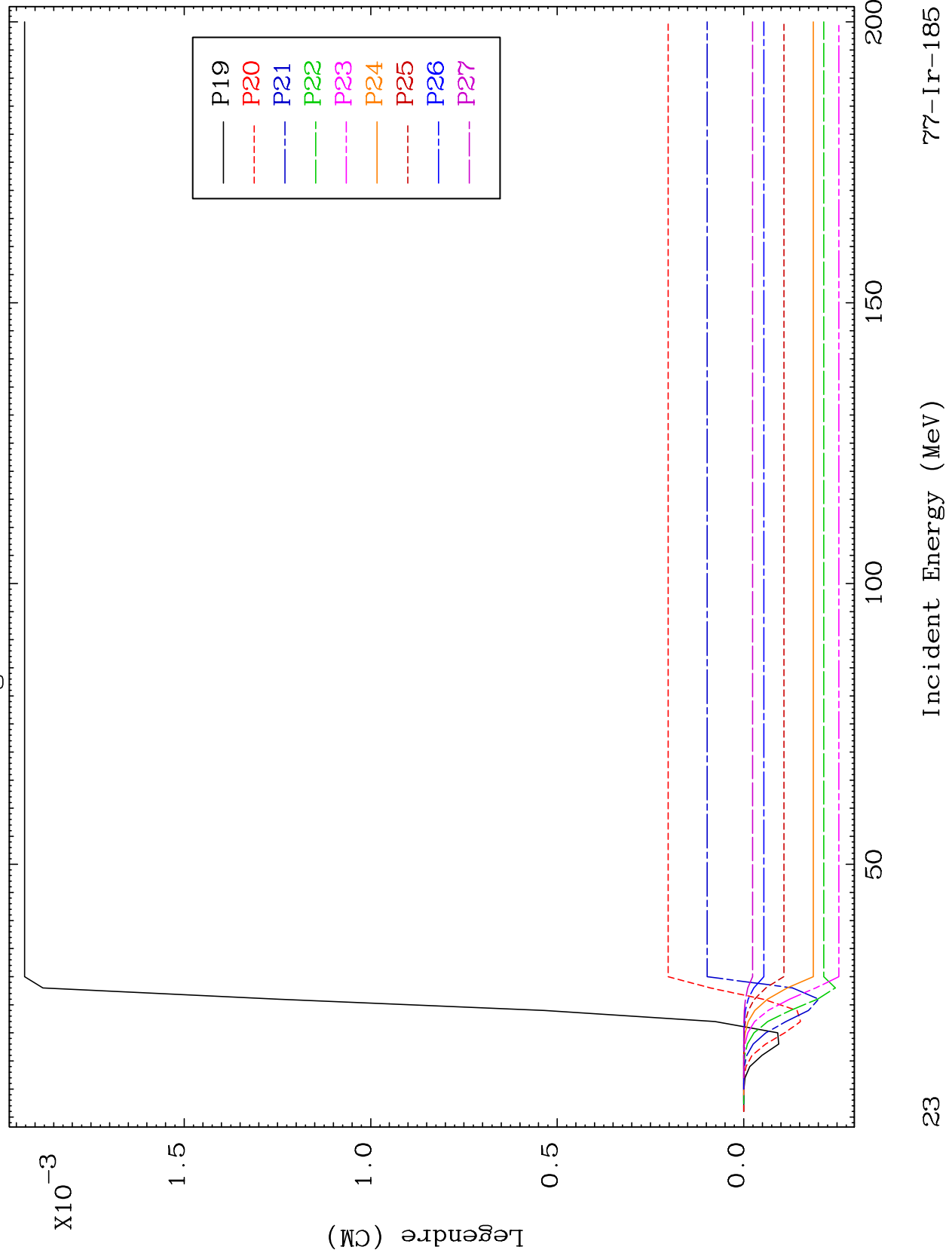
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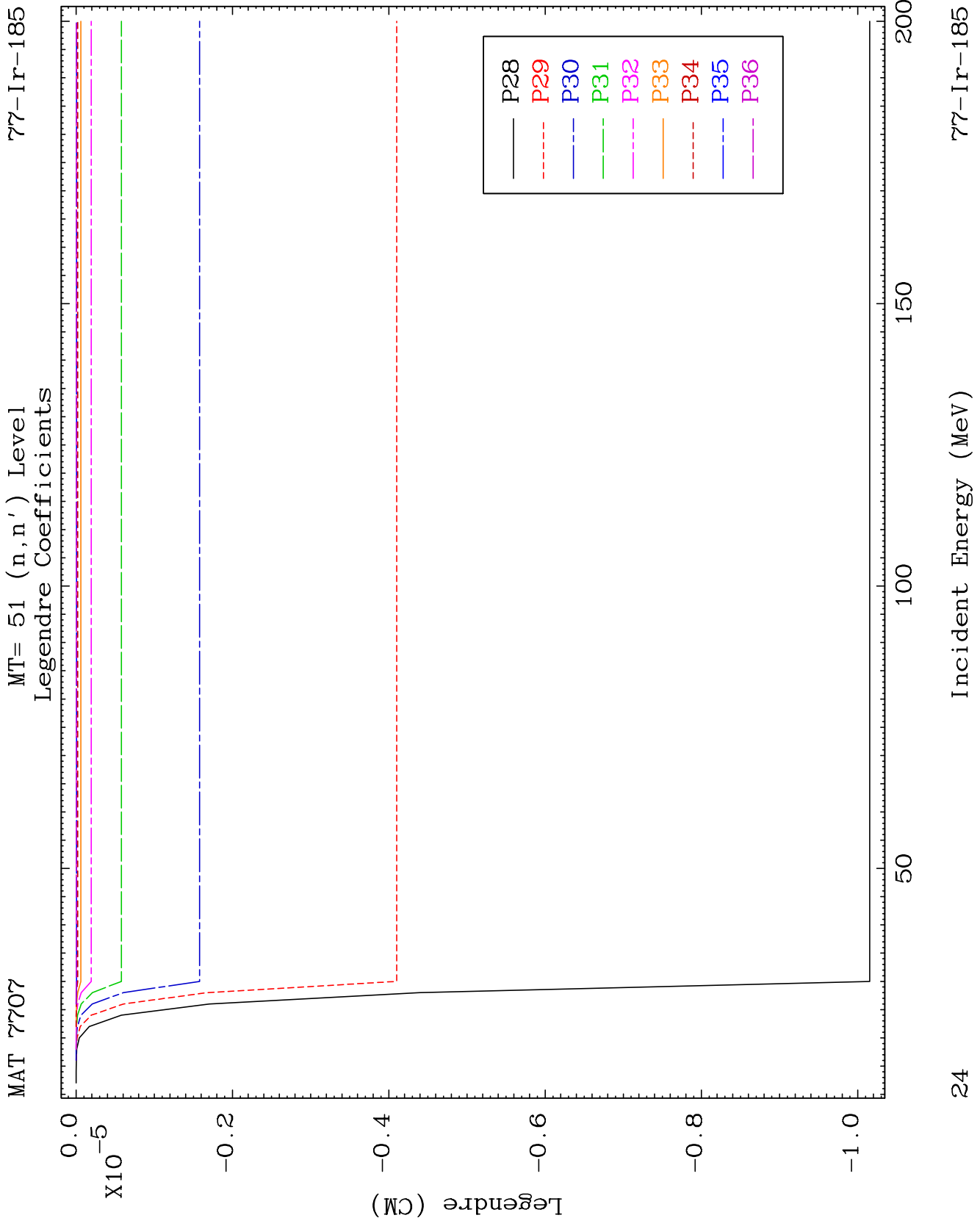


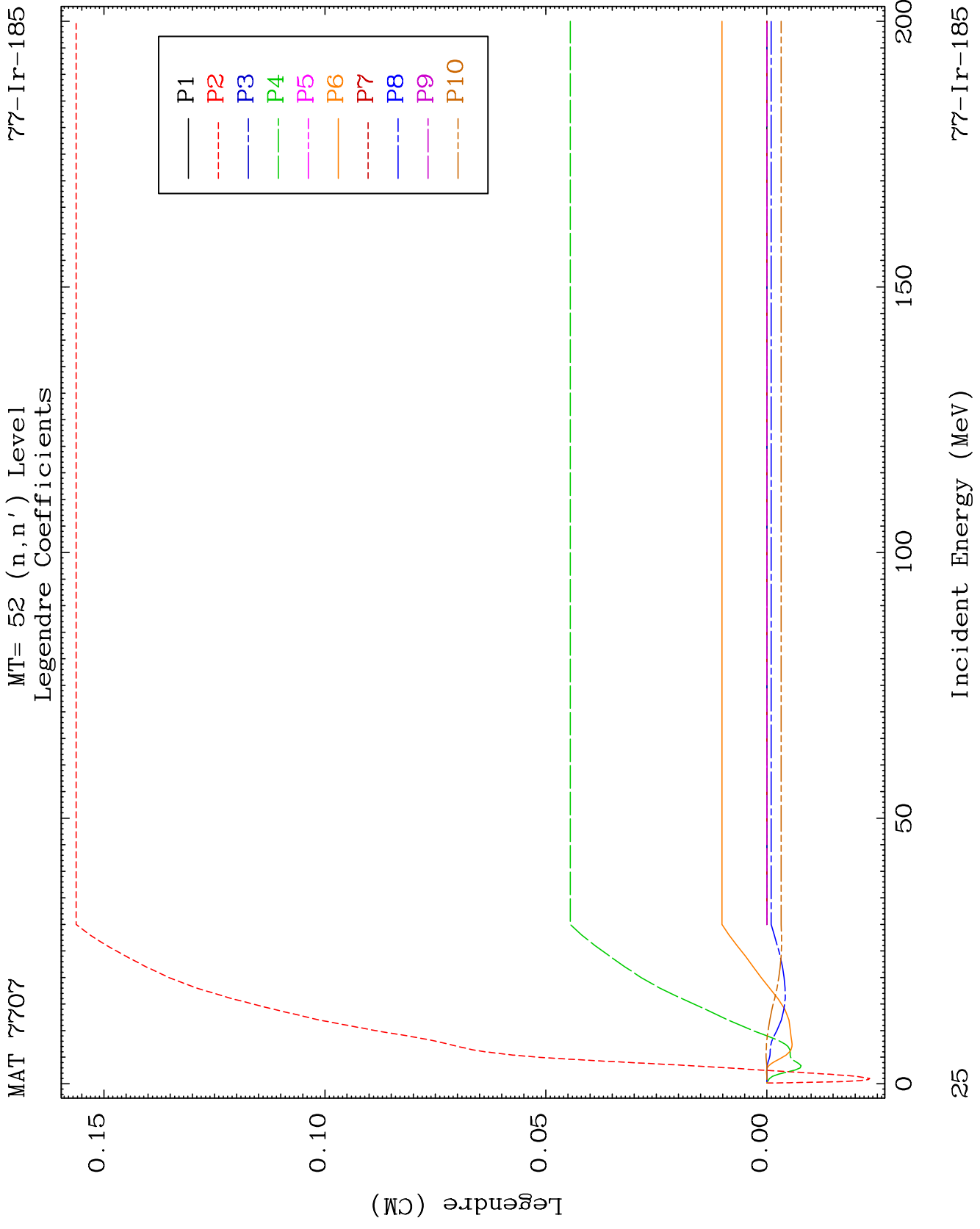
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Incident Energy (MeV)

77-Ir-185



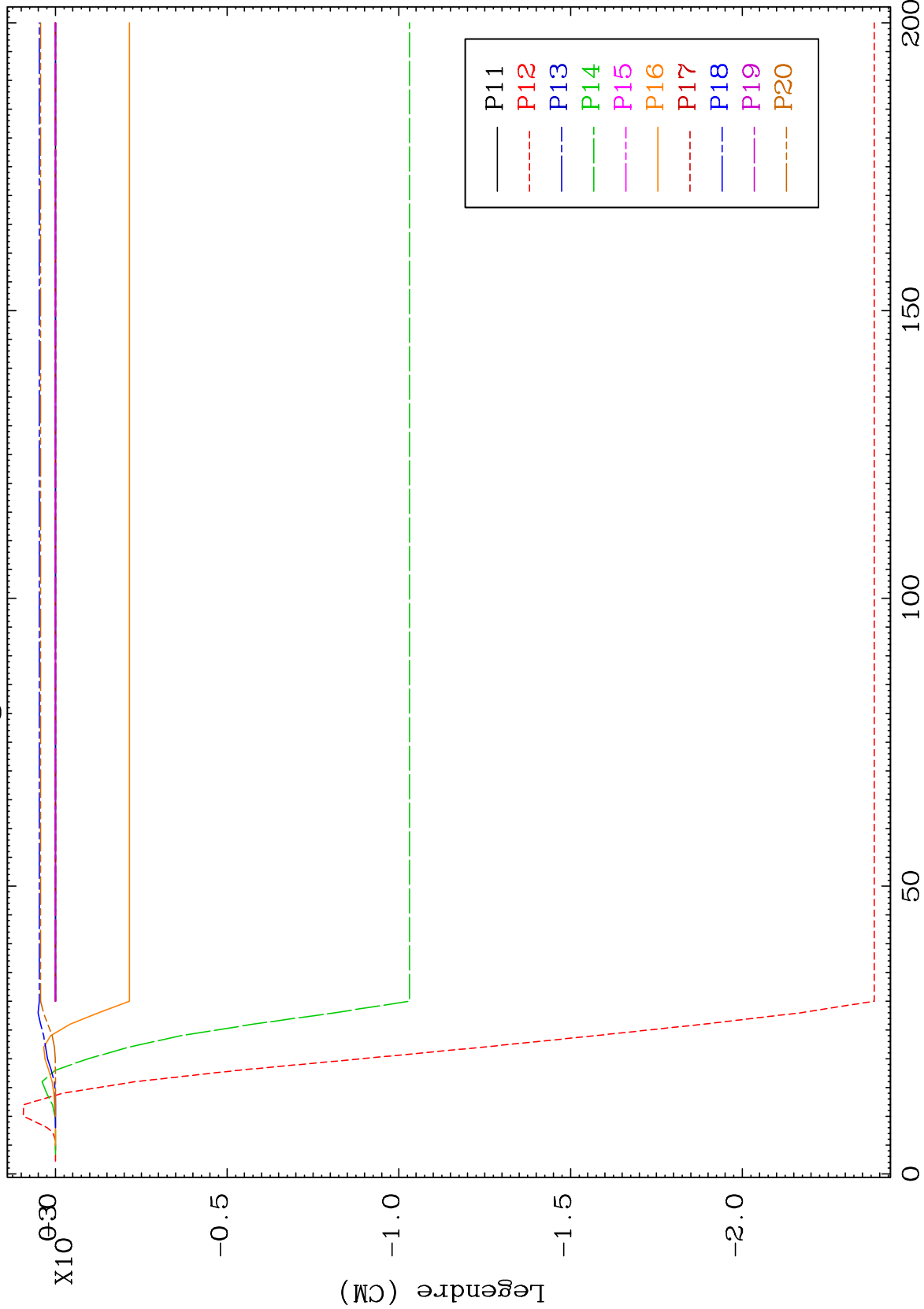




MAT 7707

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

77-Ir-185



26

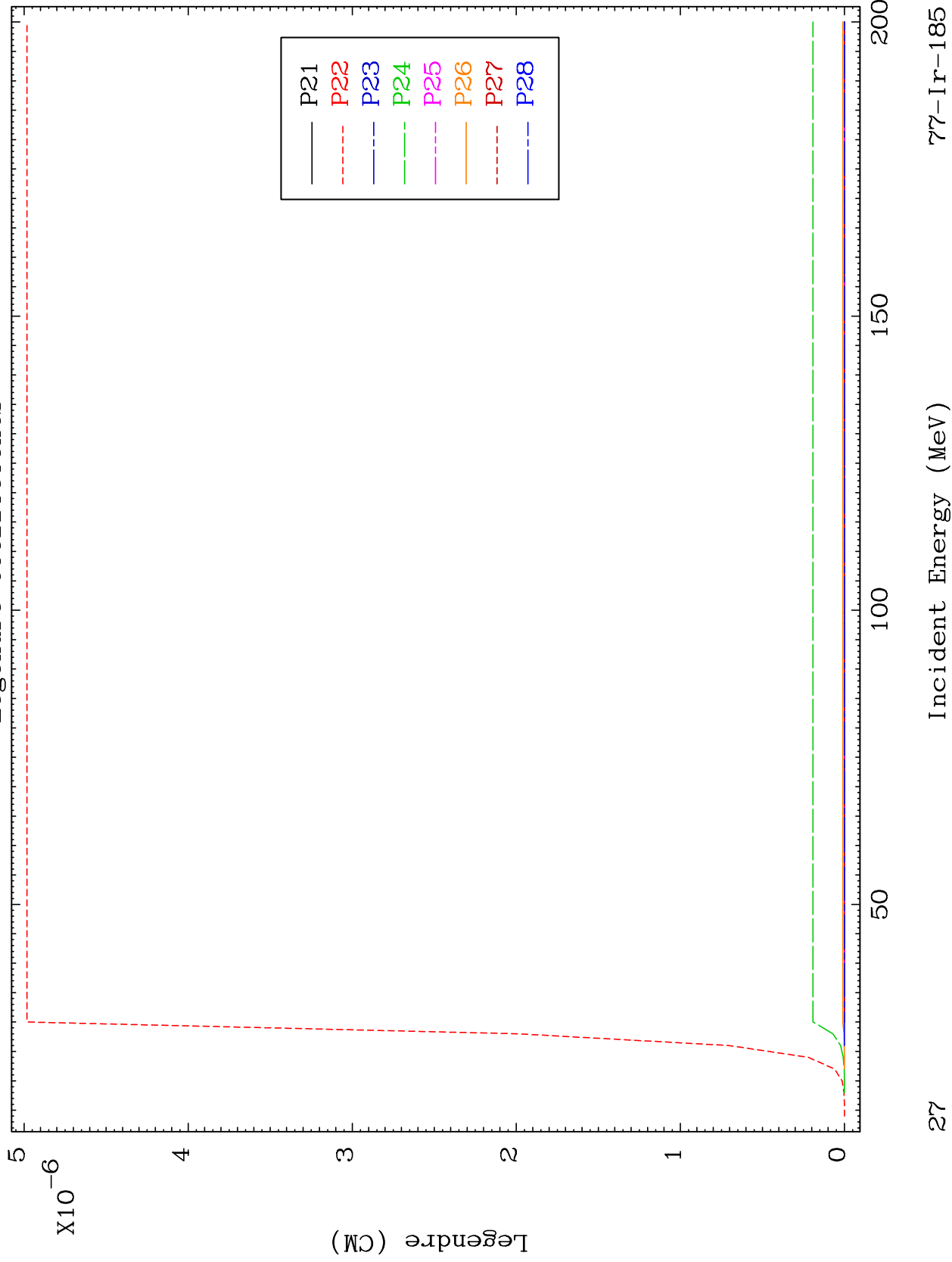
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

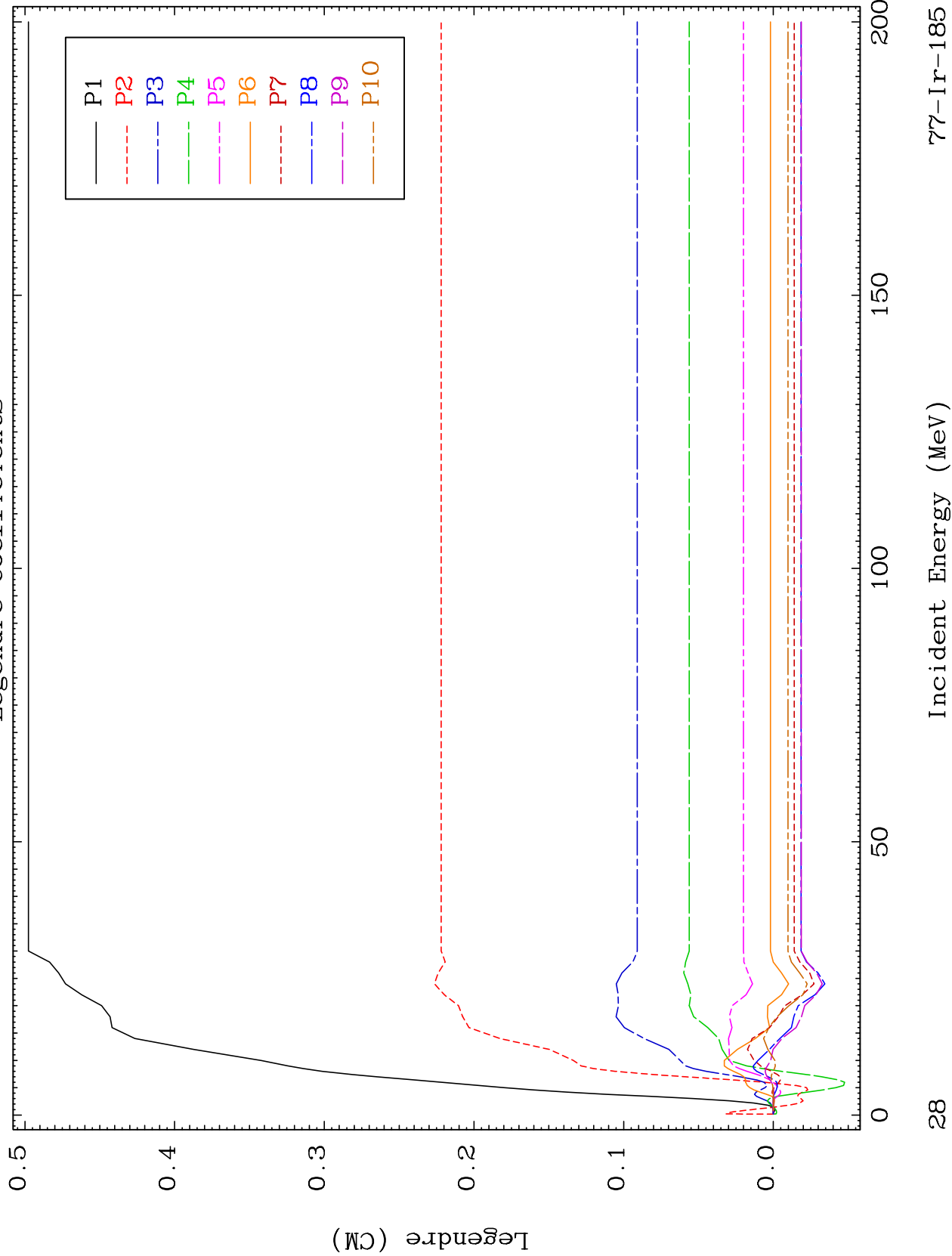
77-Ir-185



MAT 7707

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

77-Ir-185



28

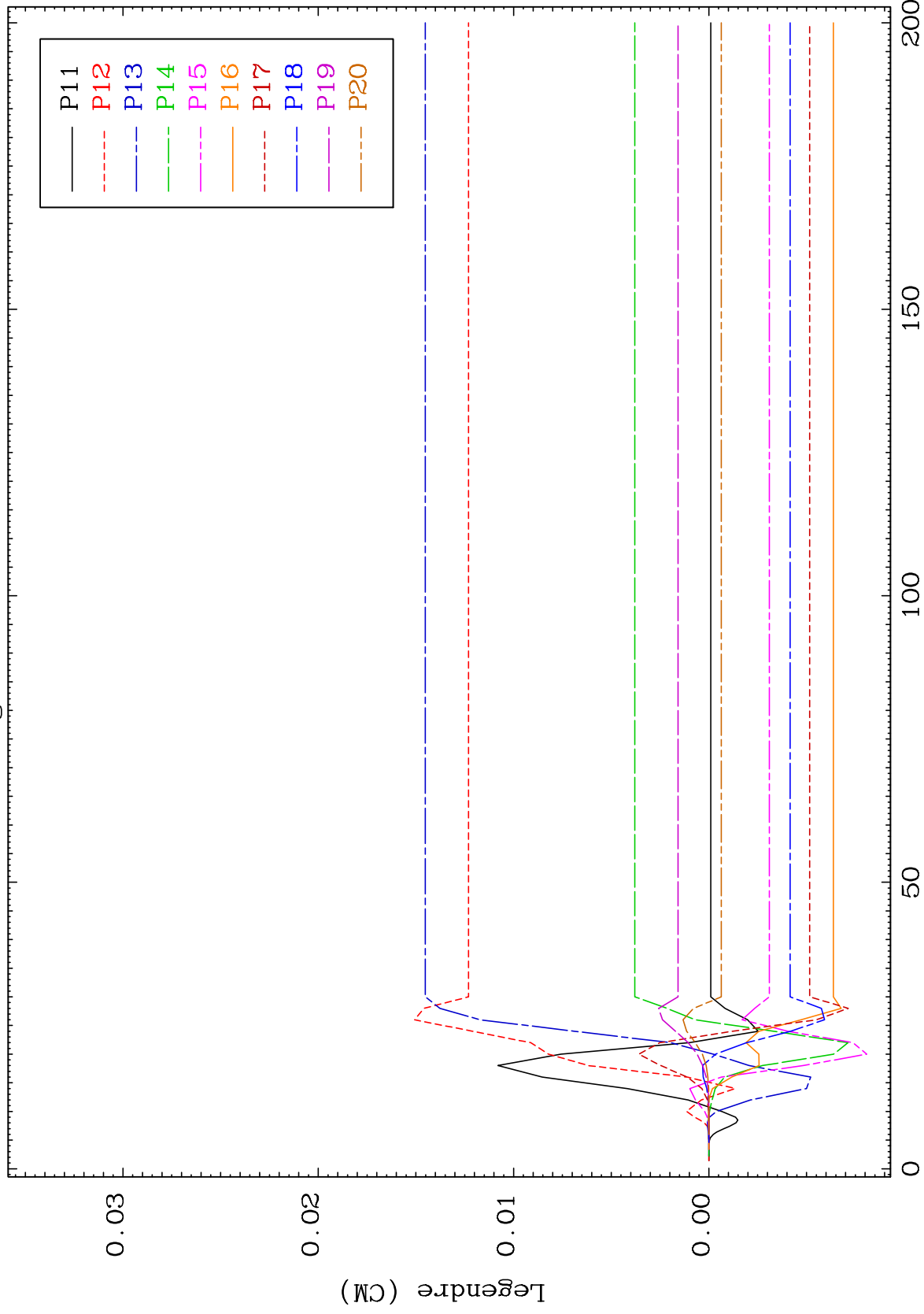
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



29

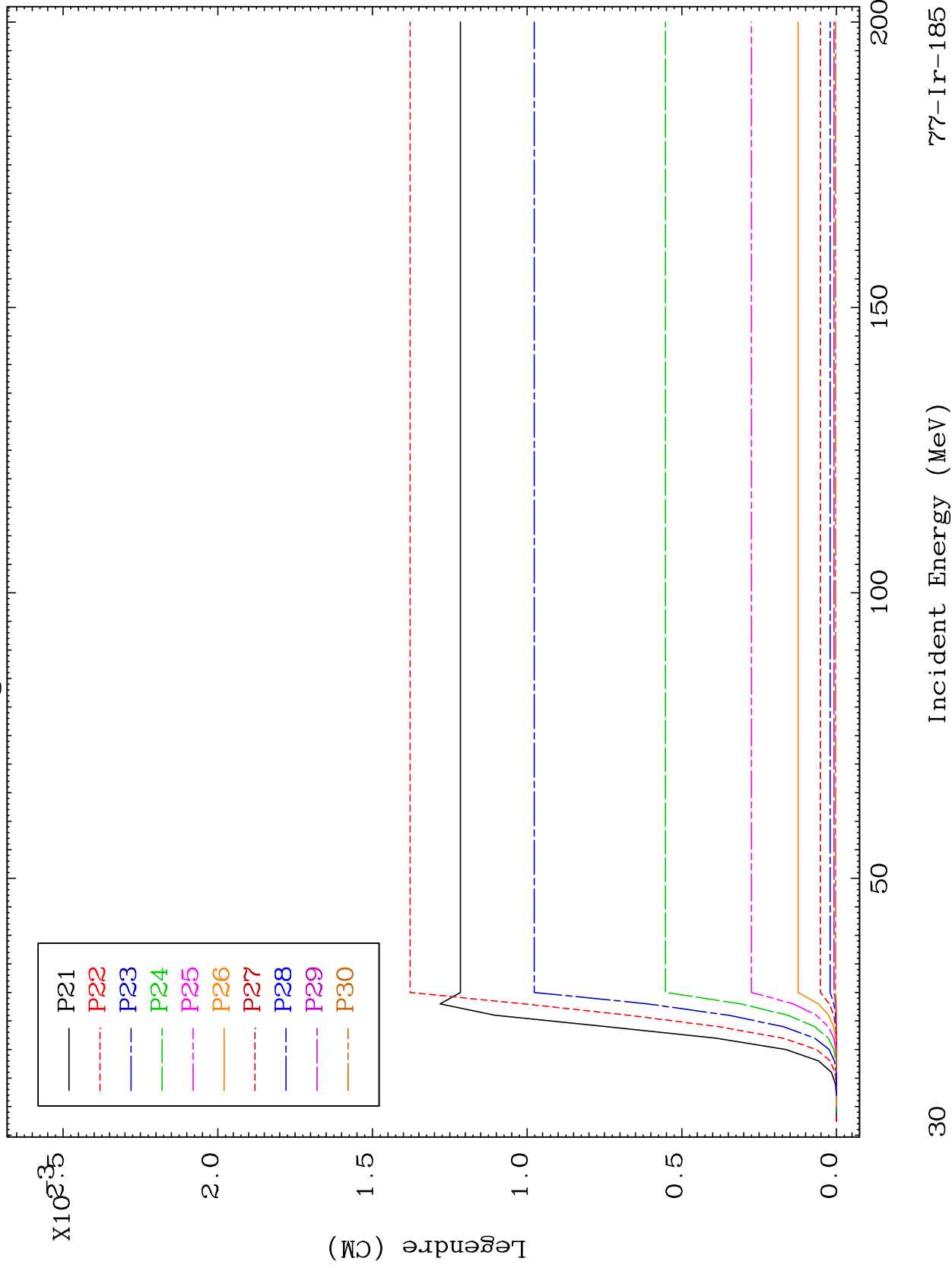
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



30

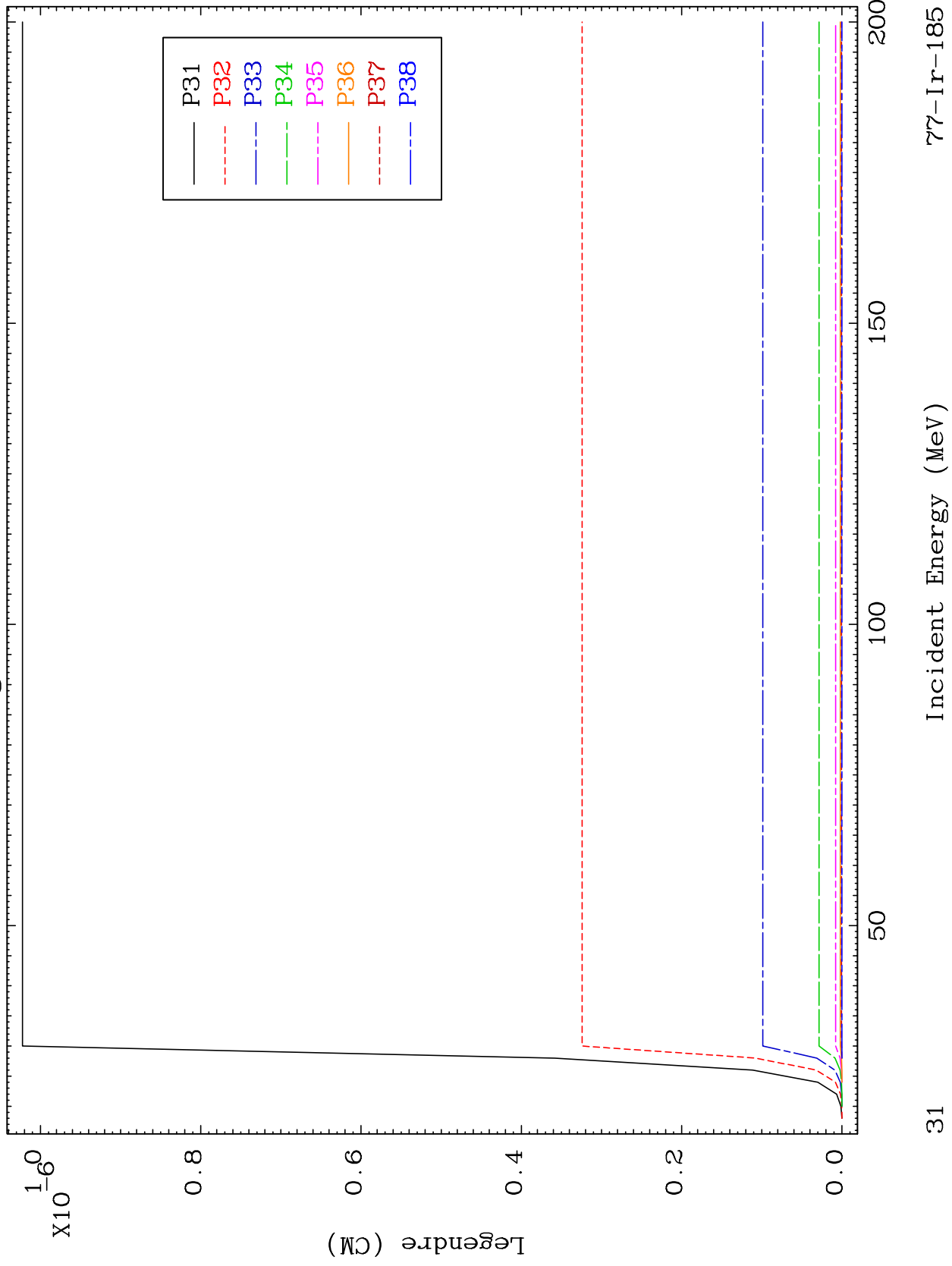
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

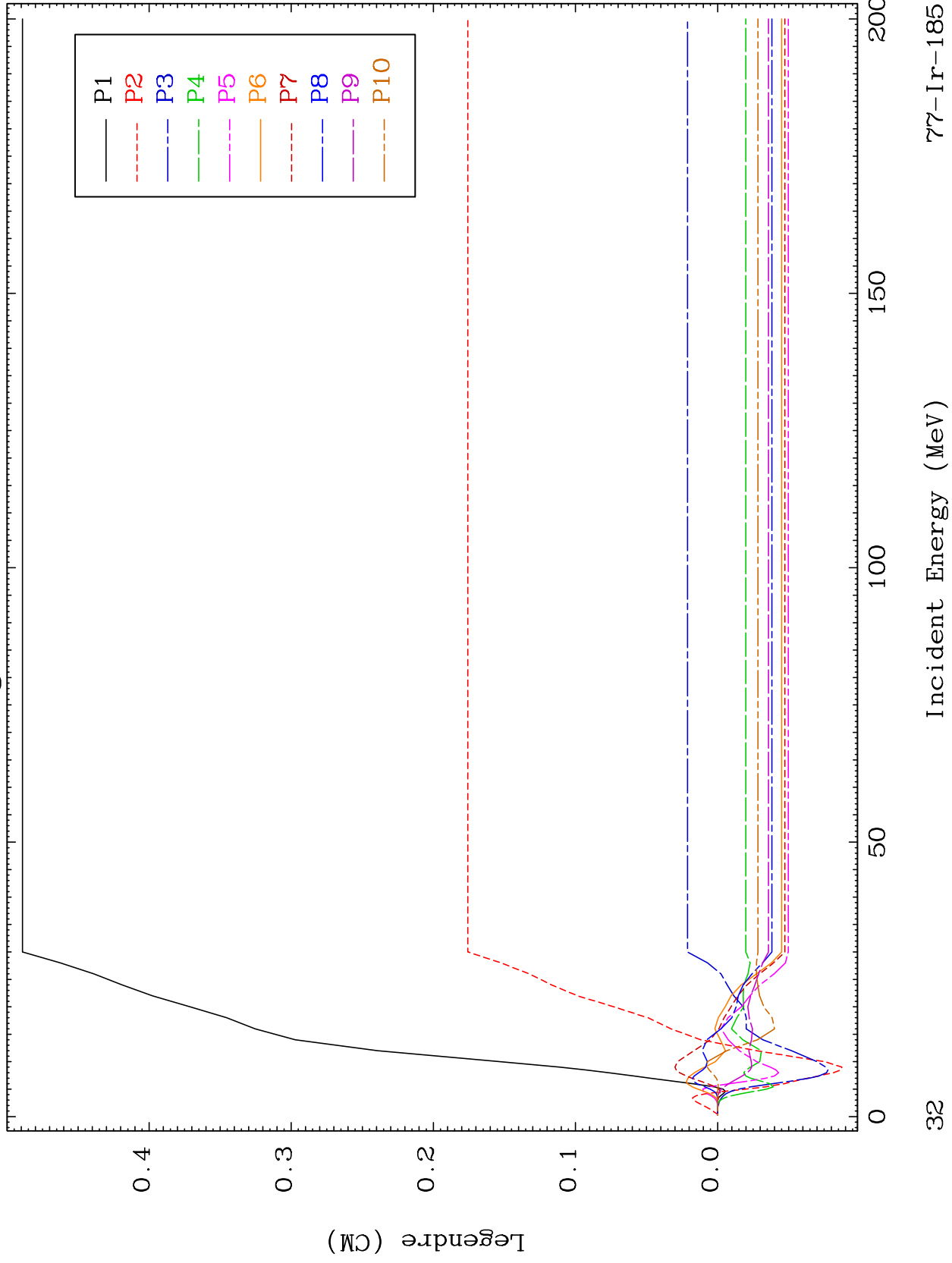
77-Ir-185



MAT 7707

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

77-Ir-185



77-Ir-185

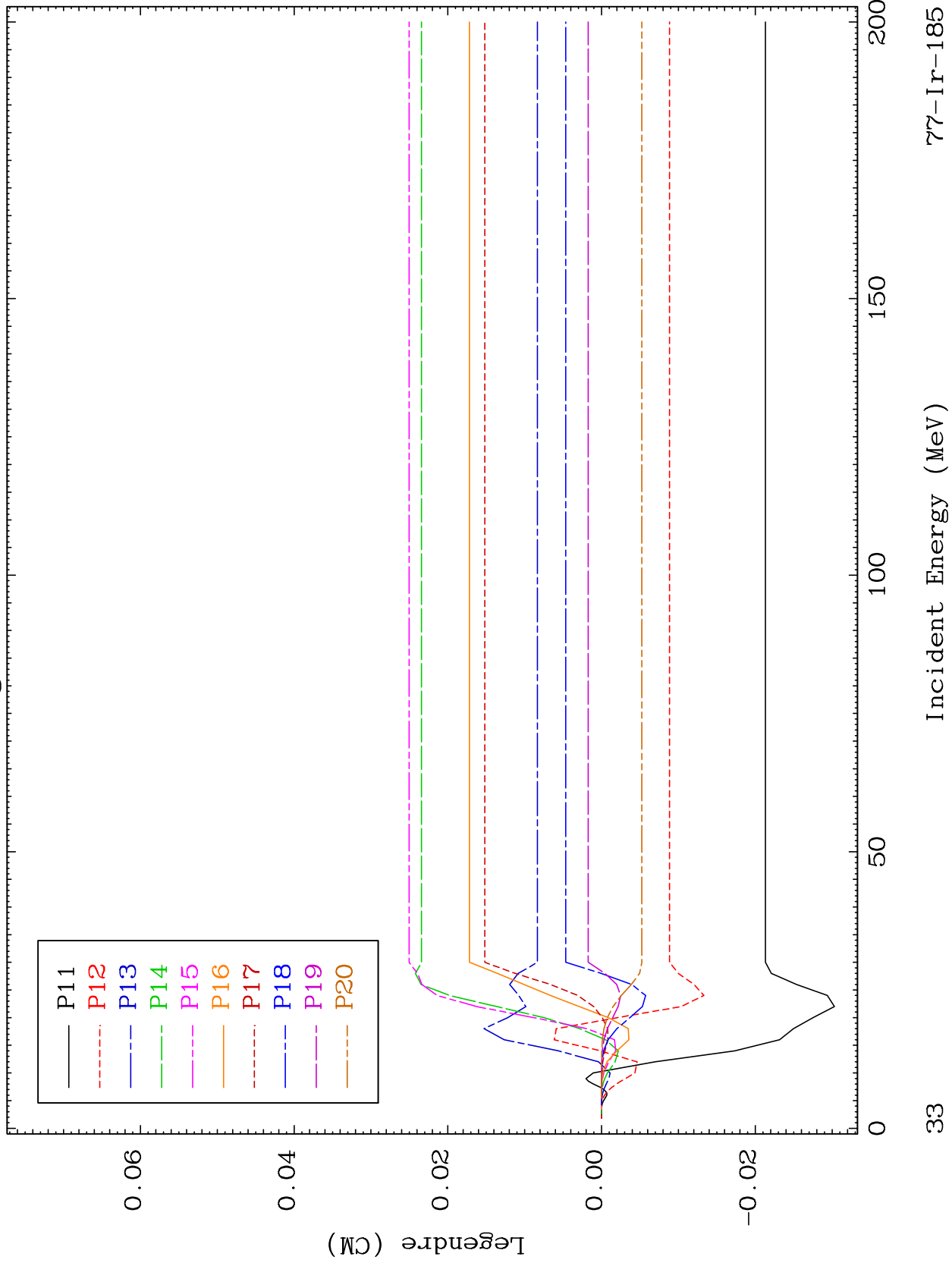
Incident Energy (MeV)

32

MAT 7707

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

77-Ir-185



33

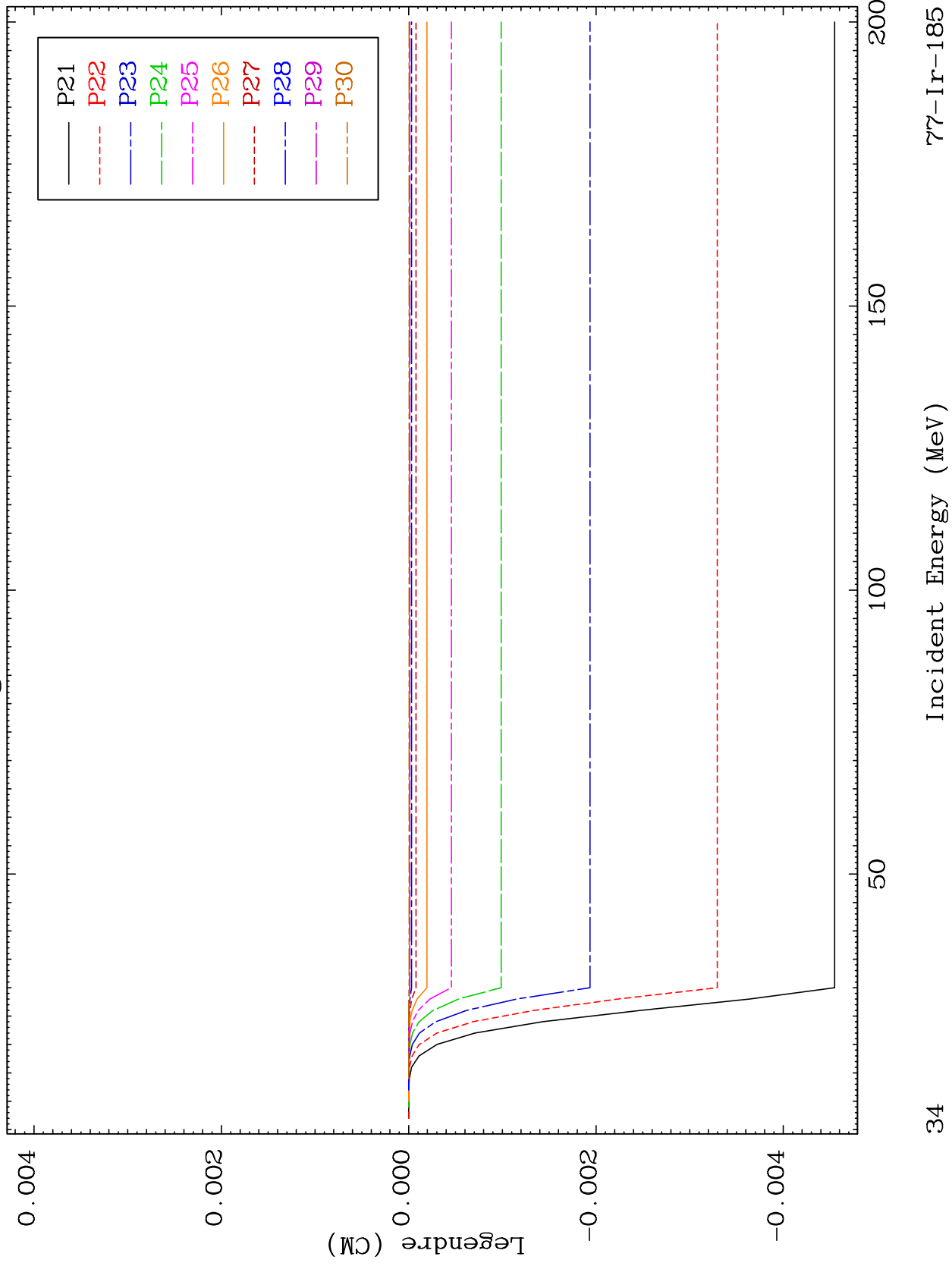
Incident Energy (MeV)

77-Ir-185

MAT 7707

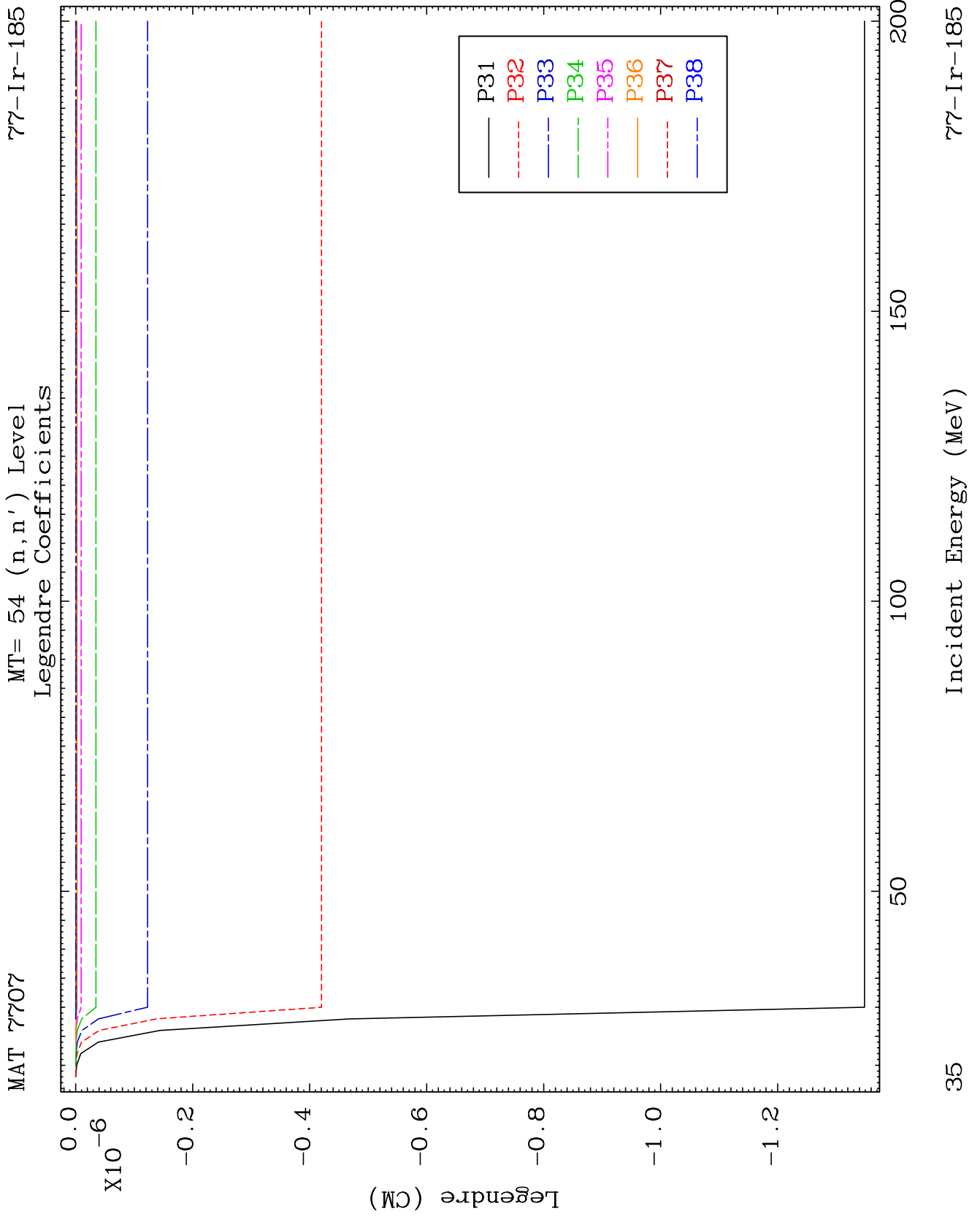
MT= 54 (n,n') Level  
Legendre Coefficients

77-Ir-185



34

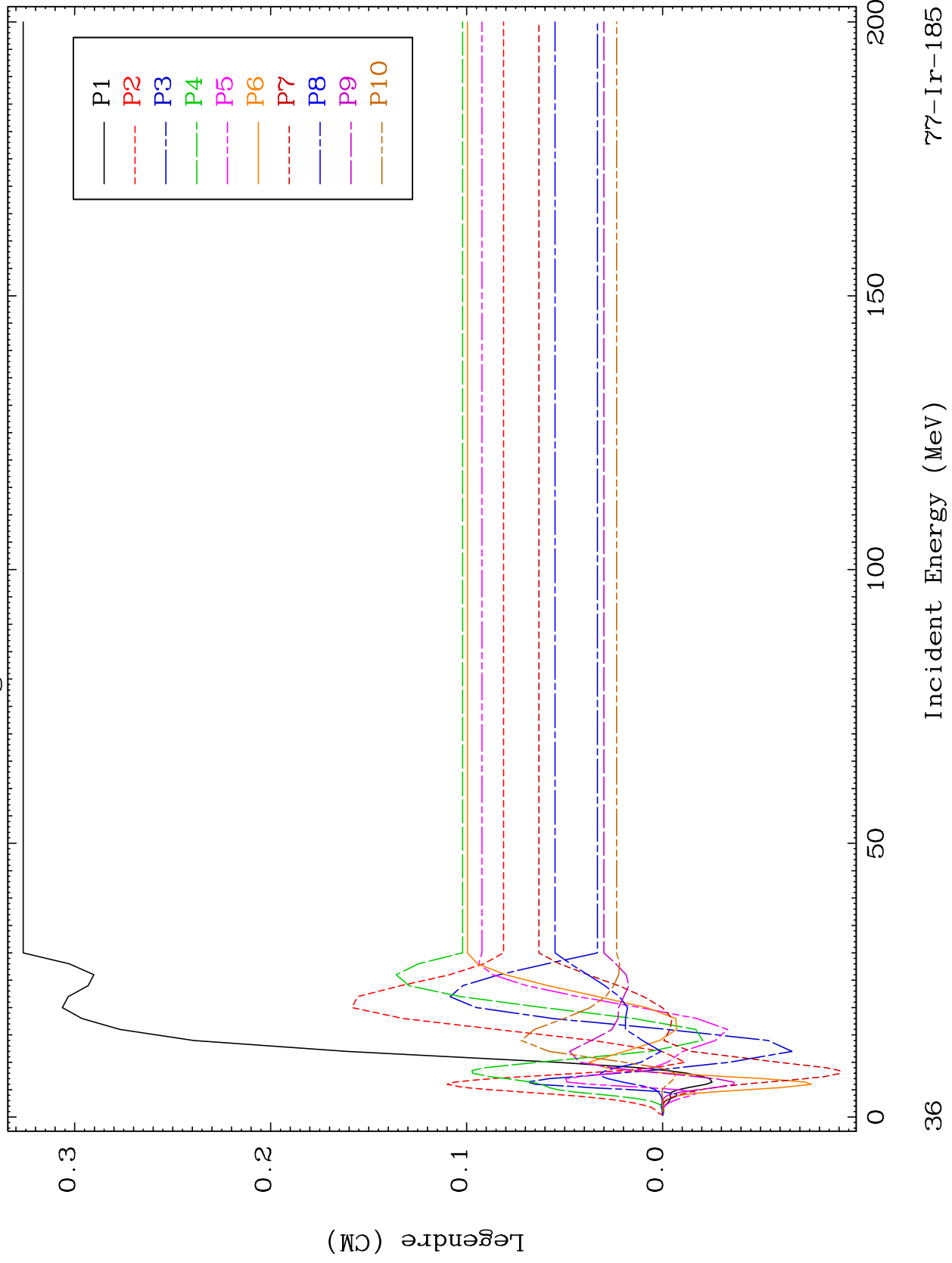
77-Ir-185



MAT 7707

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

77-Ir-185



77-Ir-185

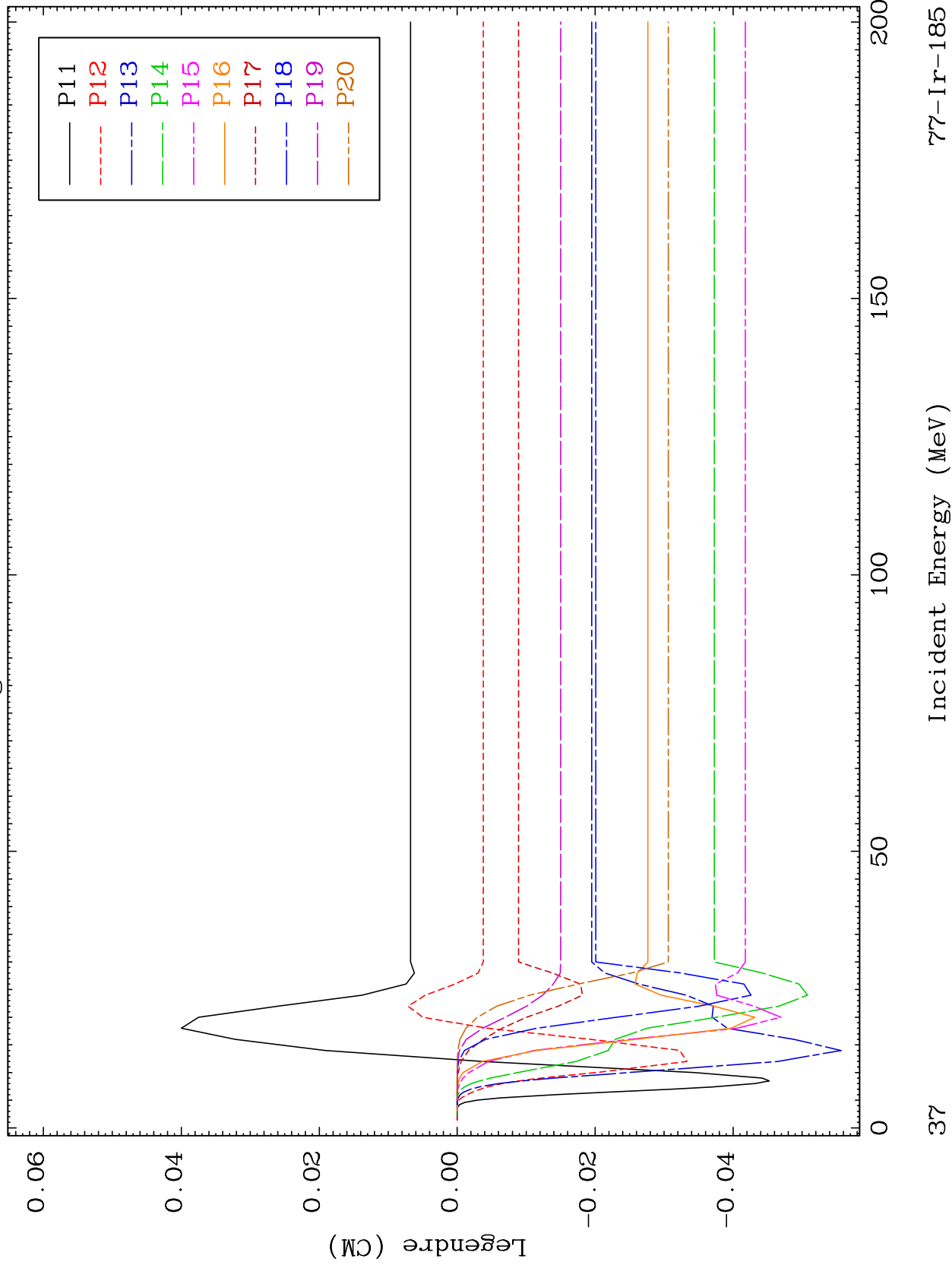
Incident Energy (MeV)

36

MAT 7707

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

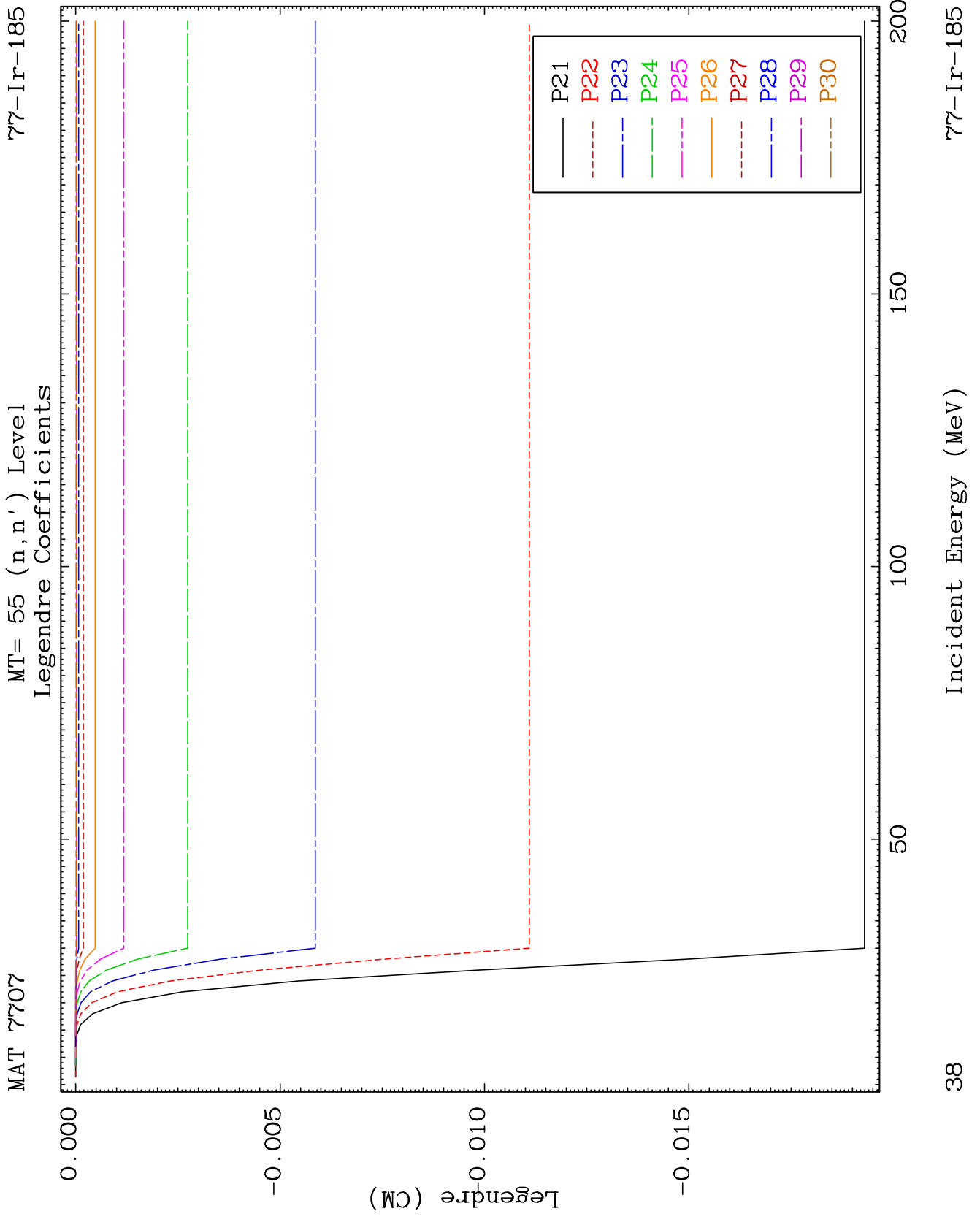
77-Ir-185

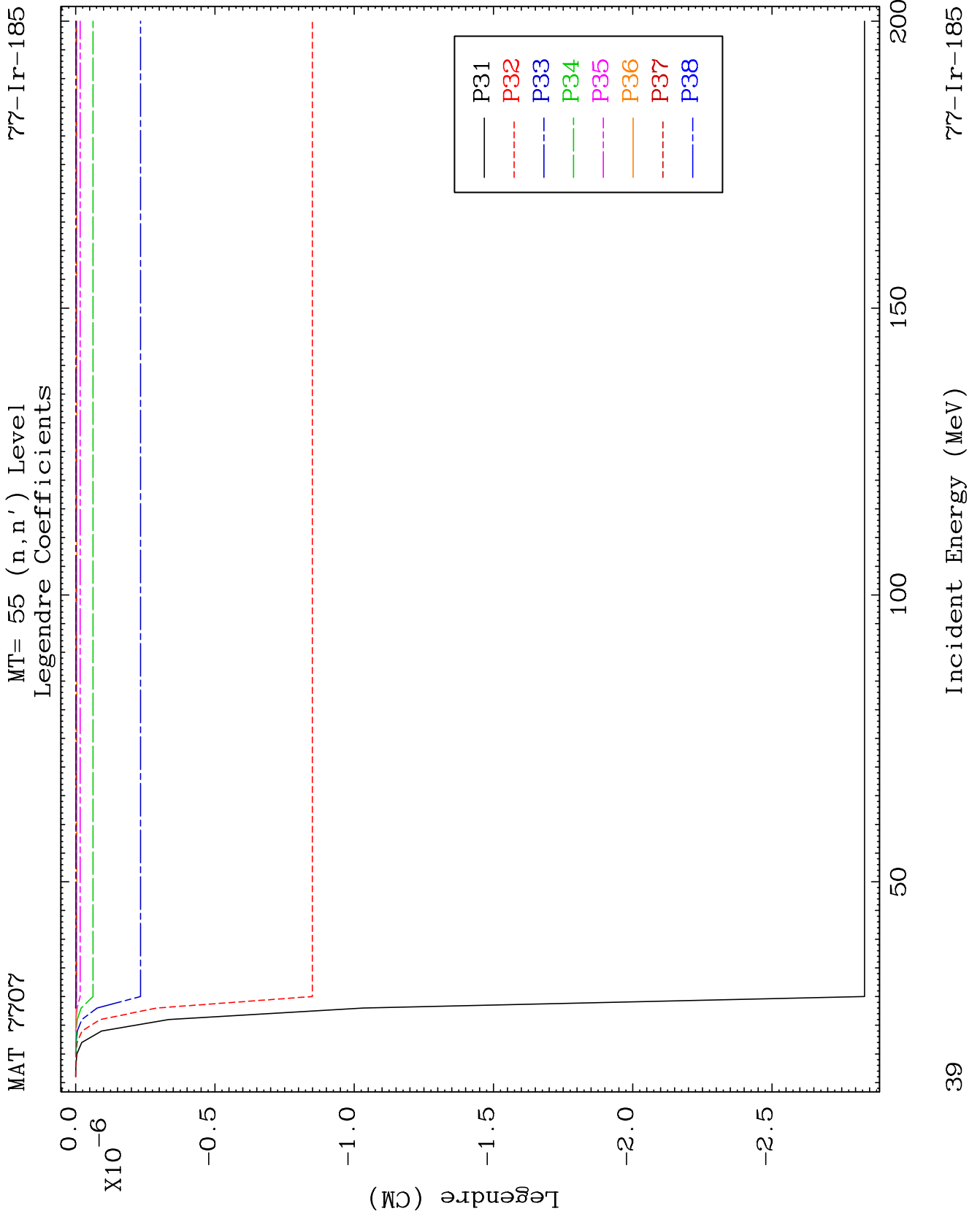


77-Ir-185

Incident Energy (MeV)

37

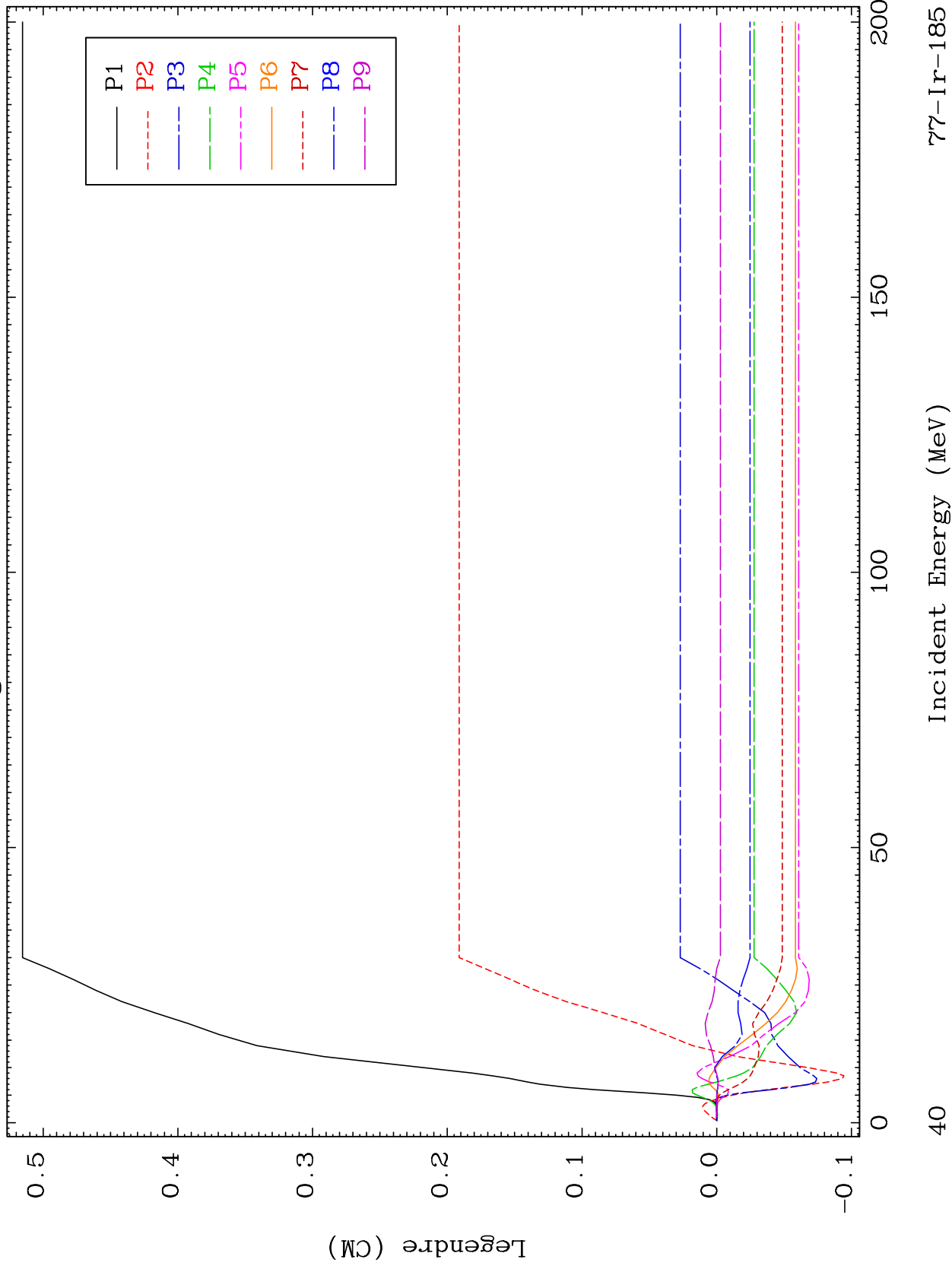




MAT 7707

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

77-Ir-185



77-Ir-185

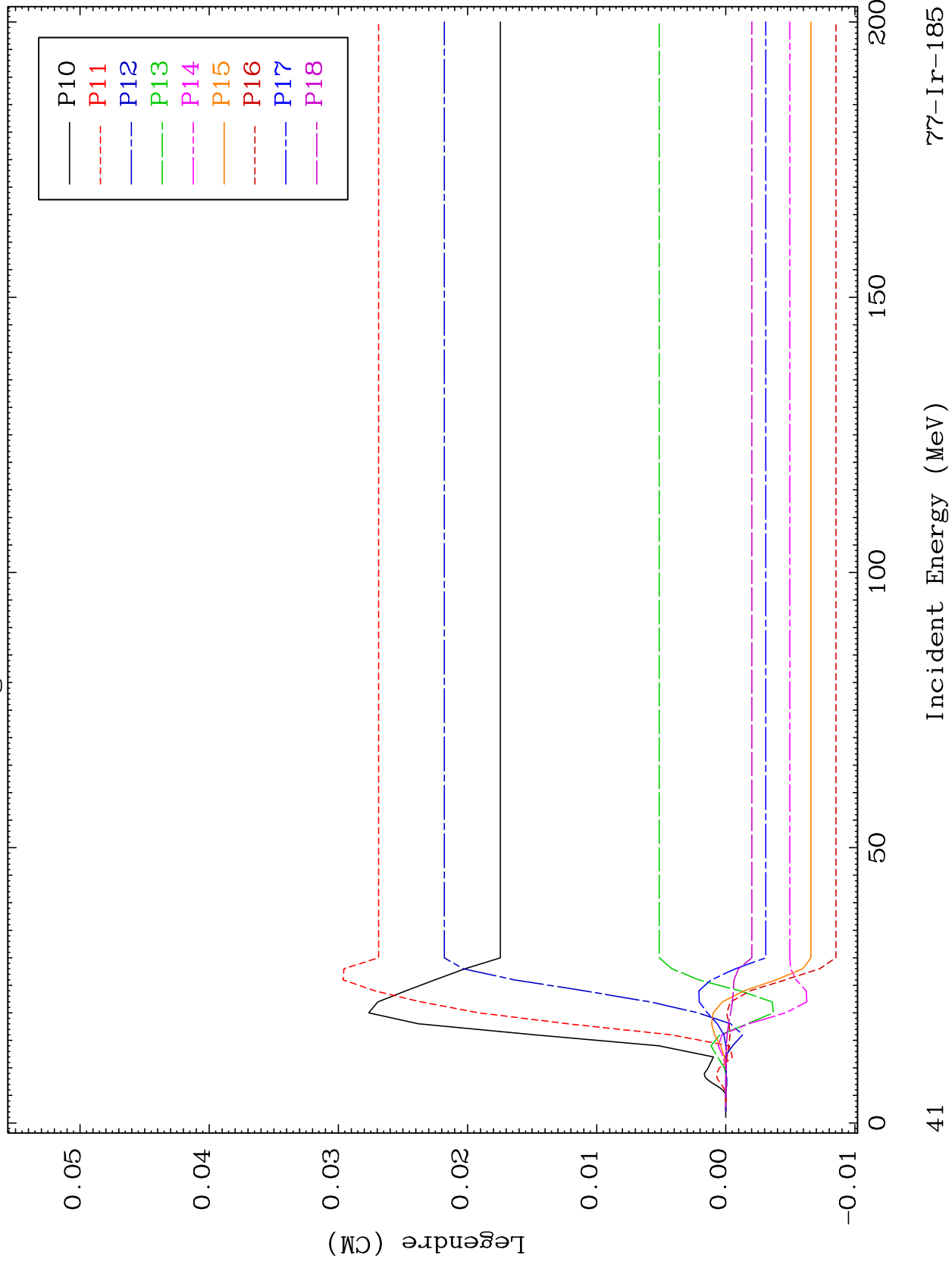
Incident Energy (MeV)

40

MAT 7707

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

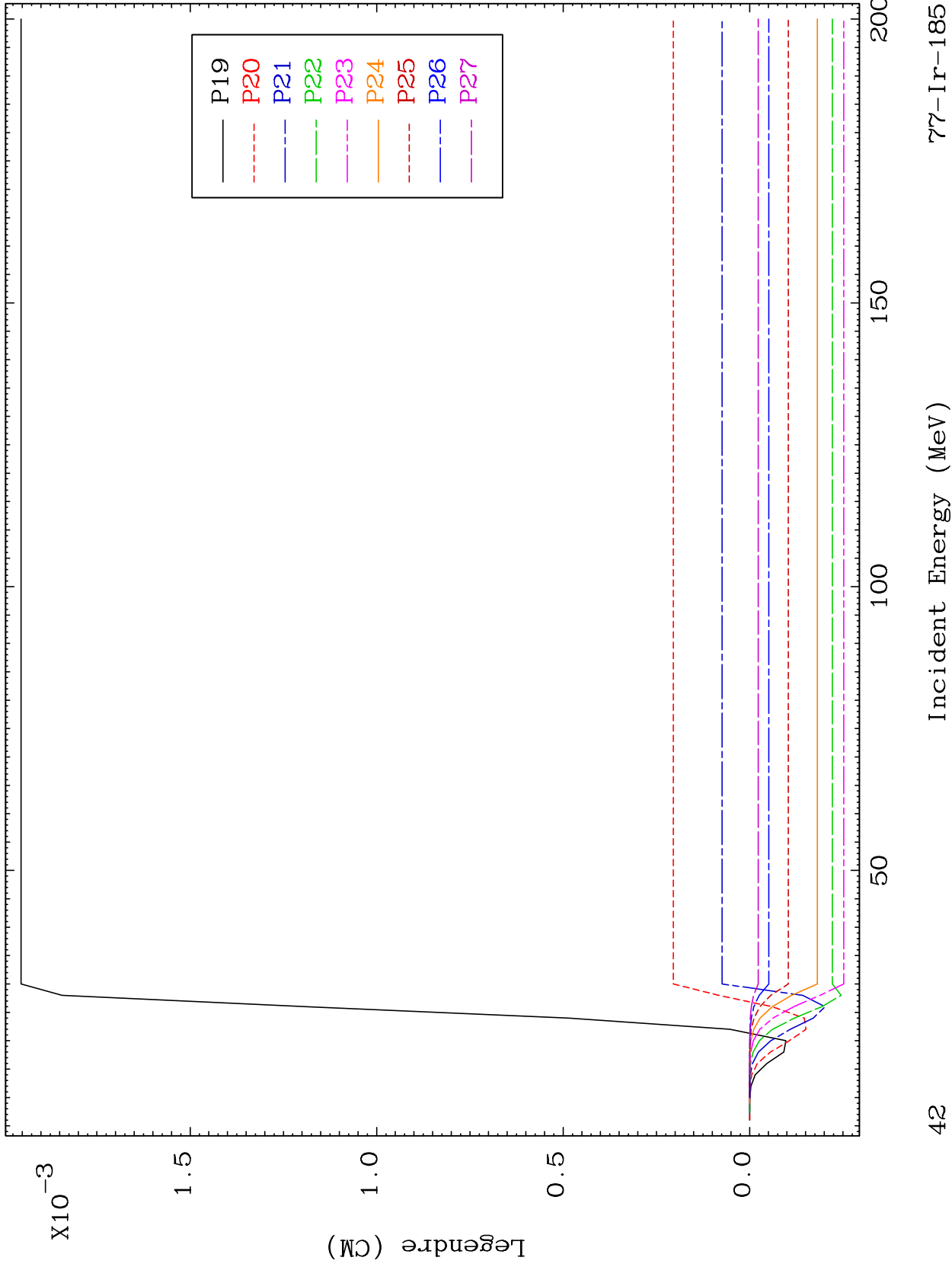
77-Ir-185

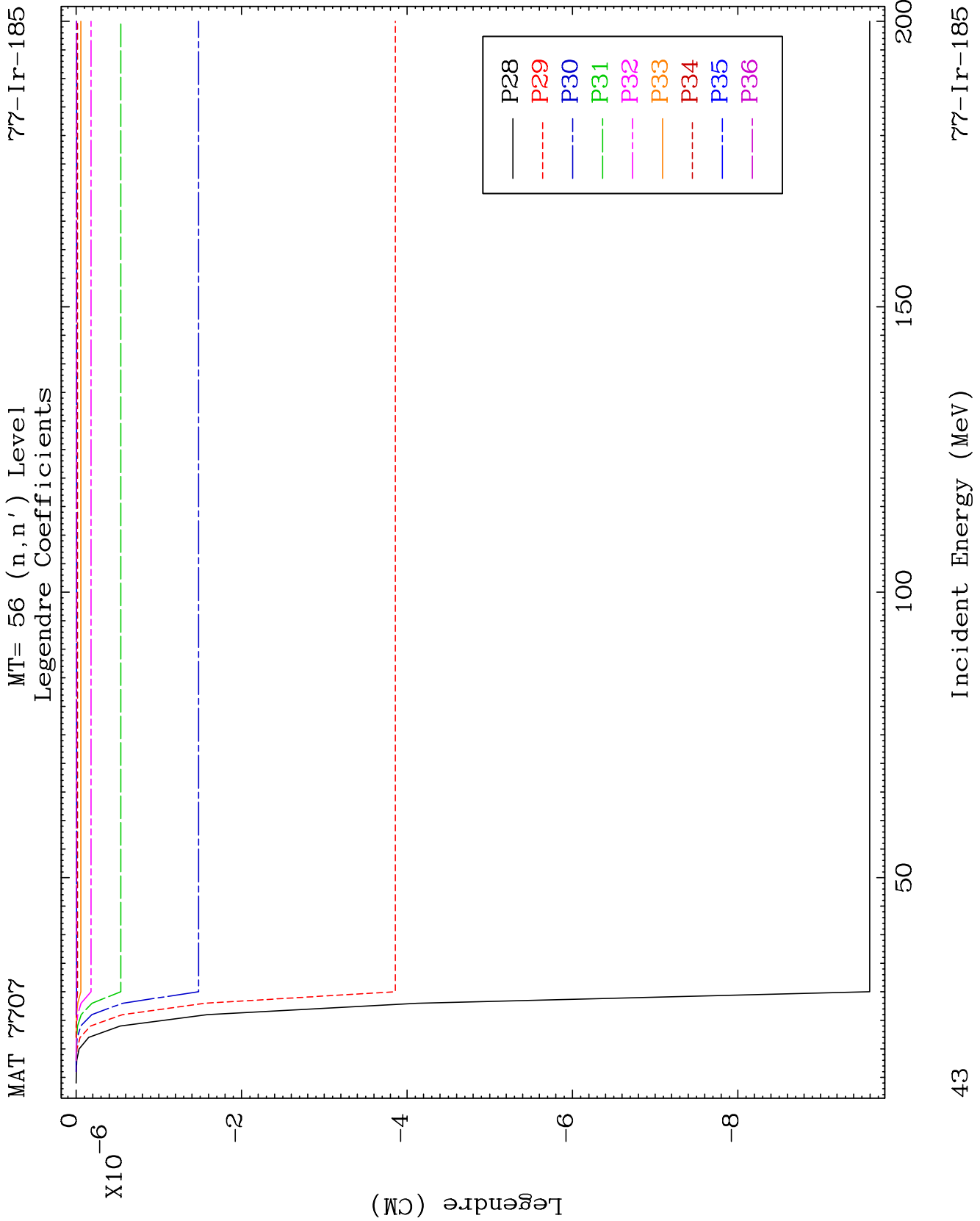


41

Incident Energy (MeV)

77-Ir-185

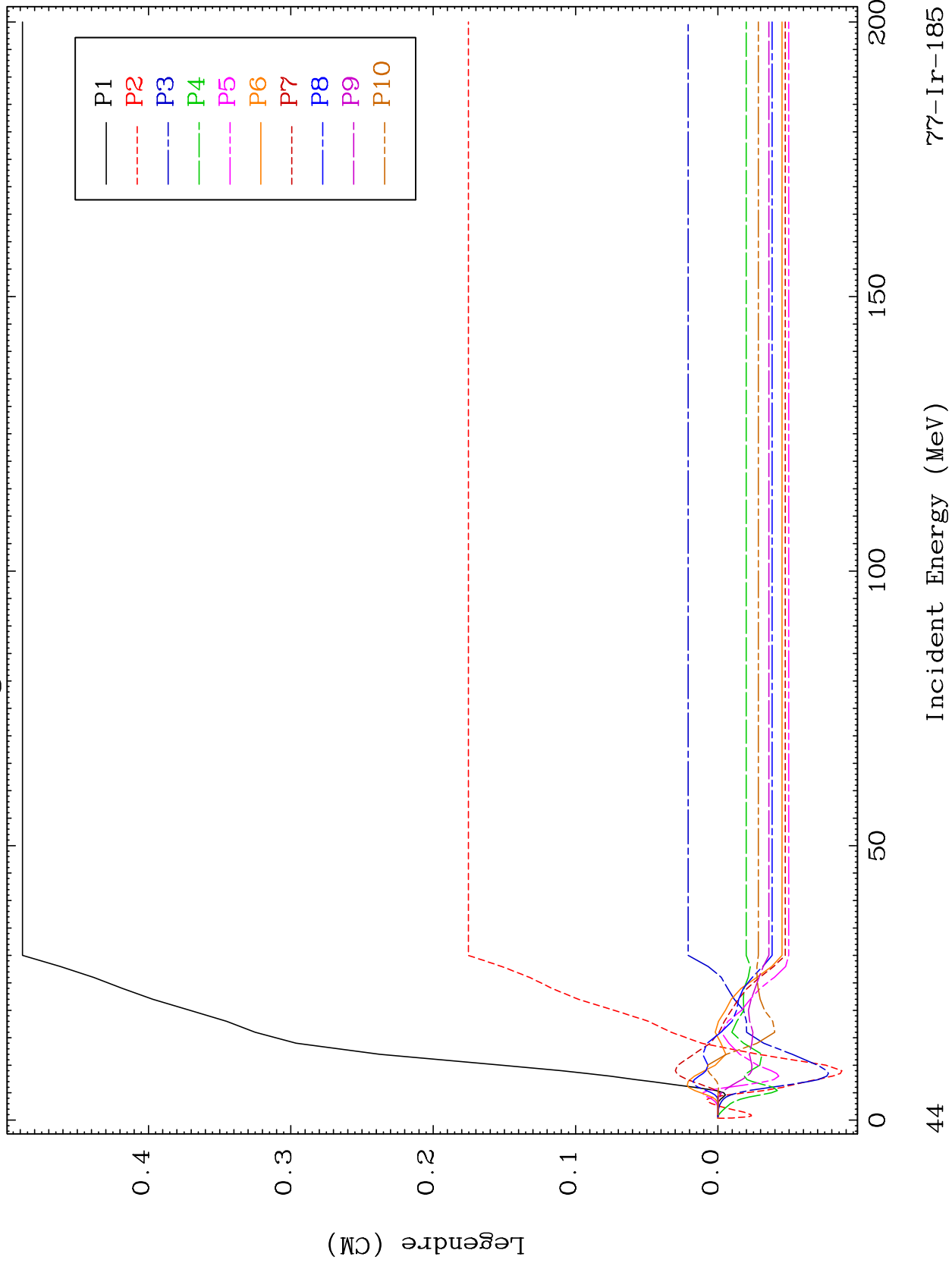




MAT 7707

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

77-Ir-185



44

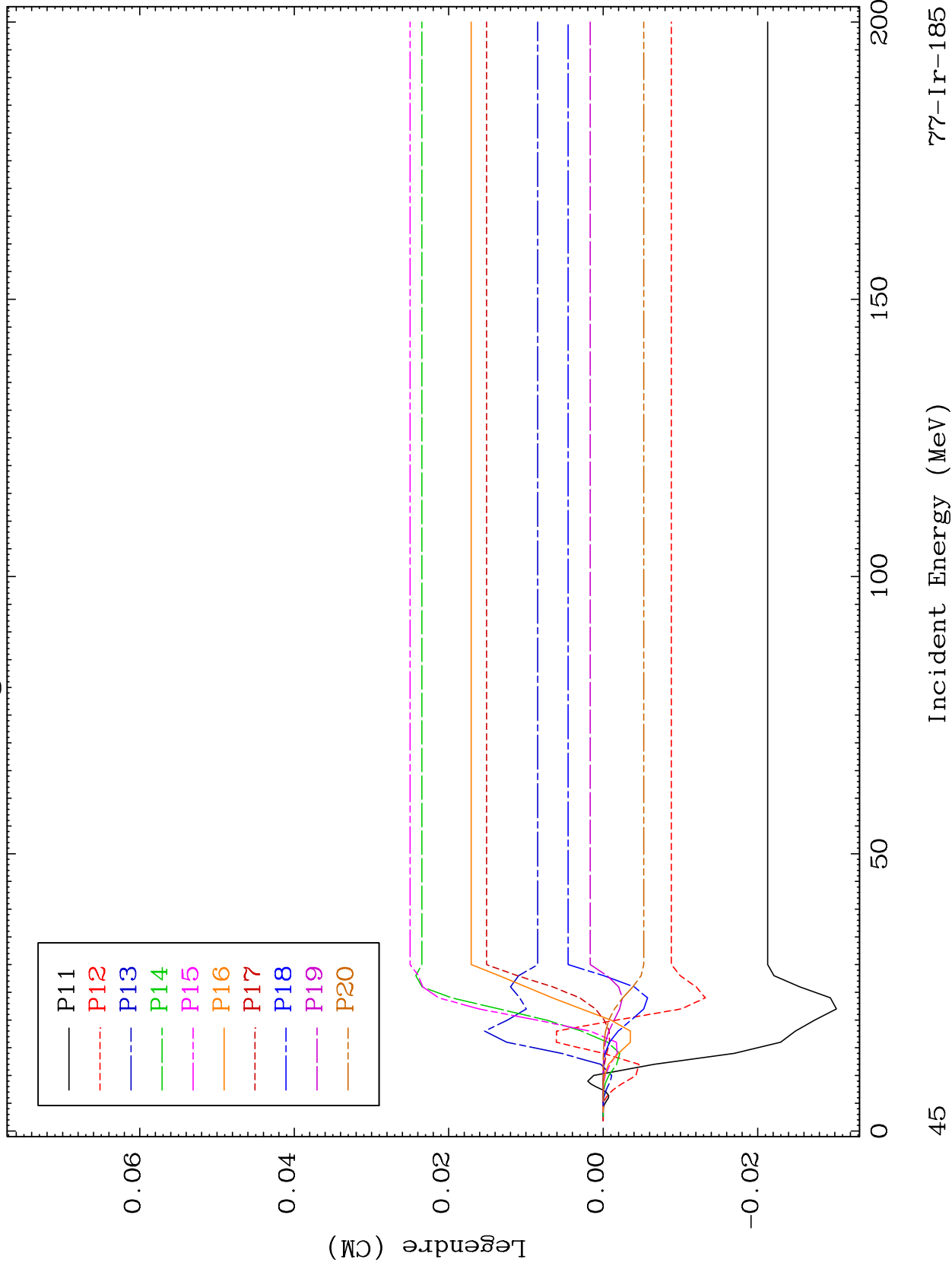
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



77-Ir-185

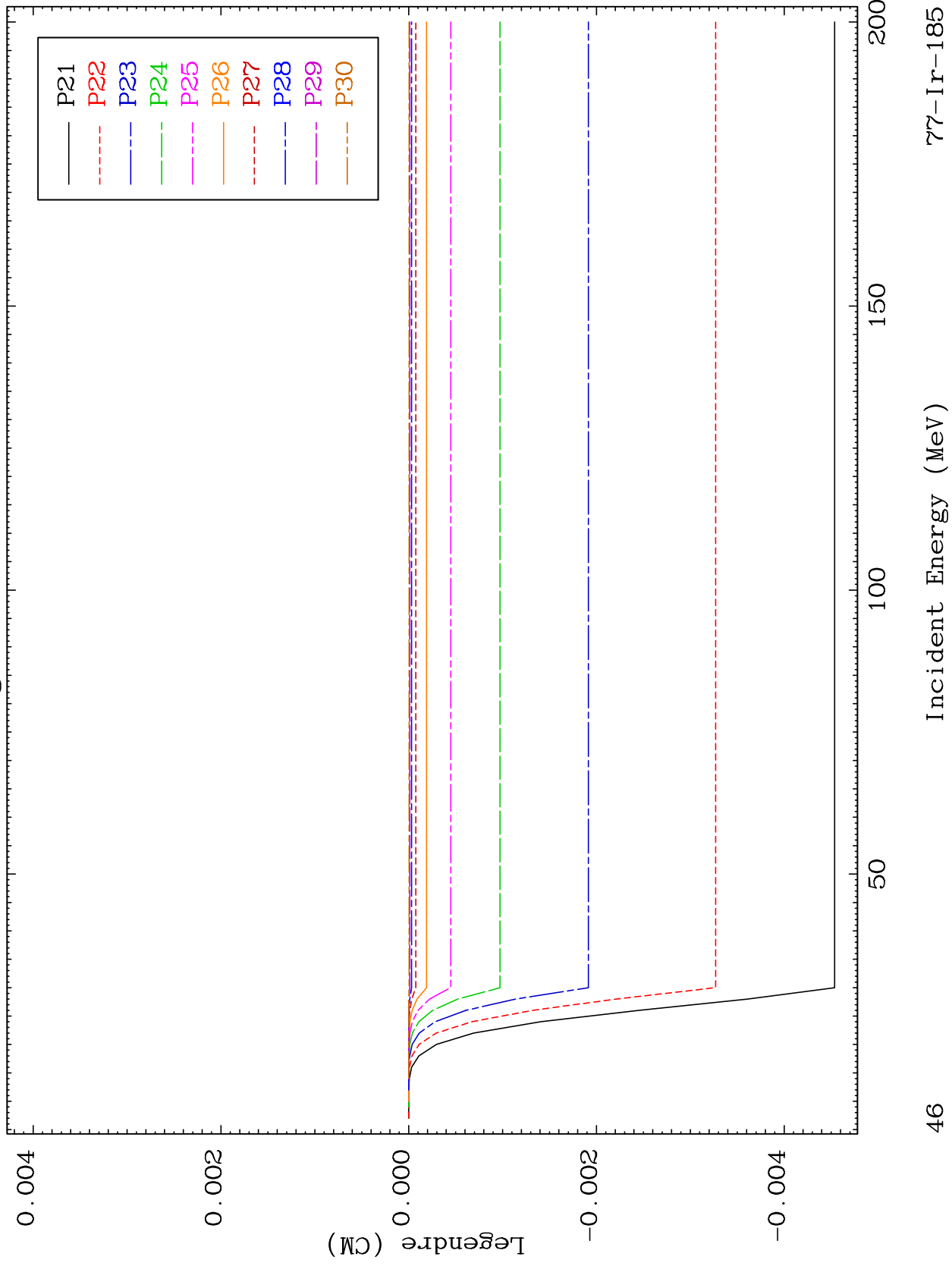
Incident Energy (MeV)

45

MAT 7707

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

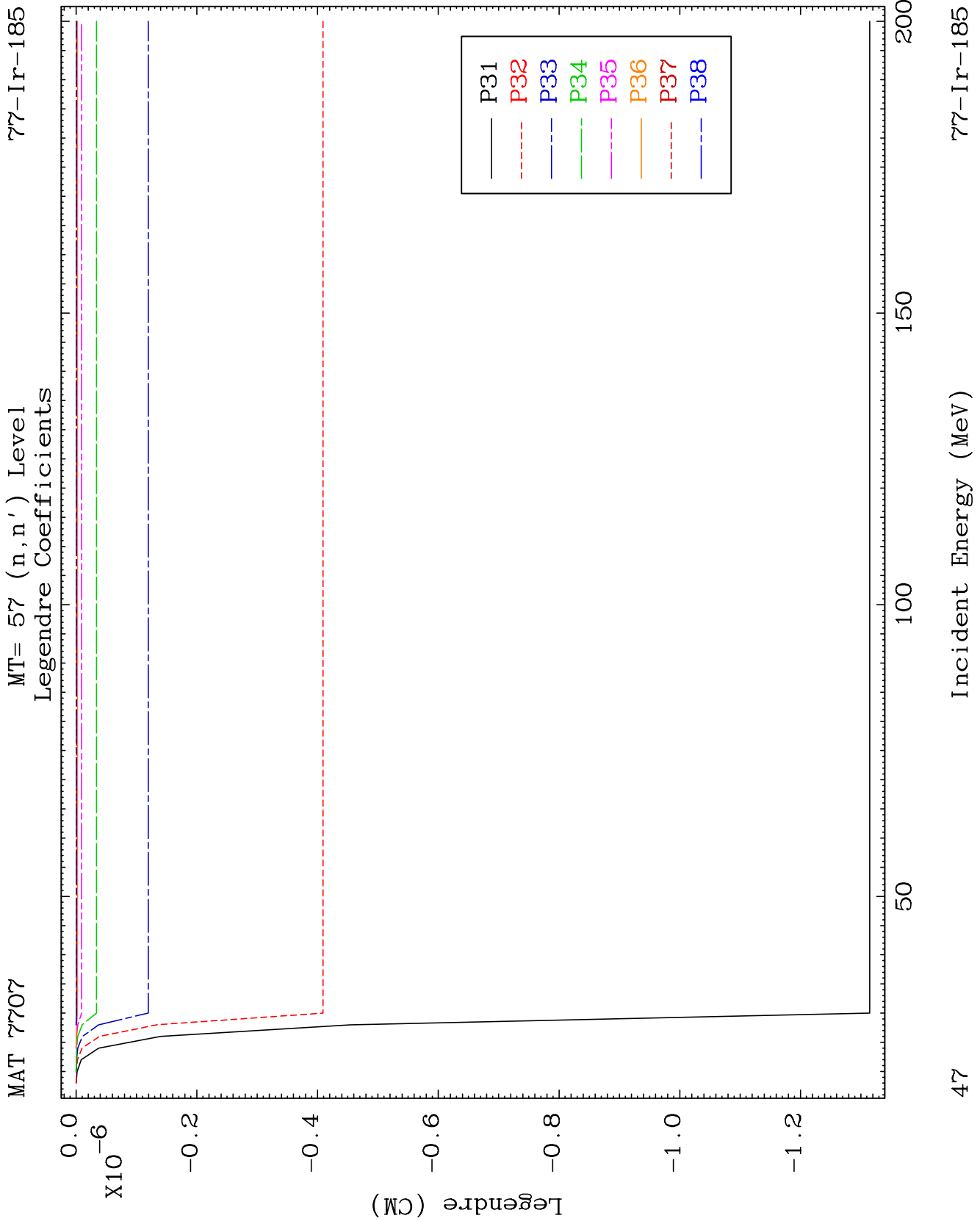
77-Ir-185



46

Incident Energy (MeV)

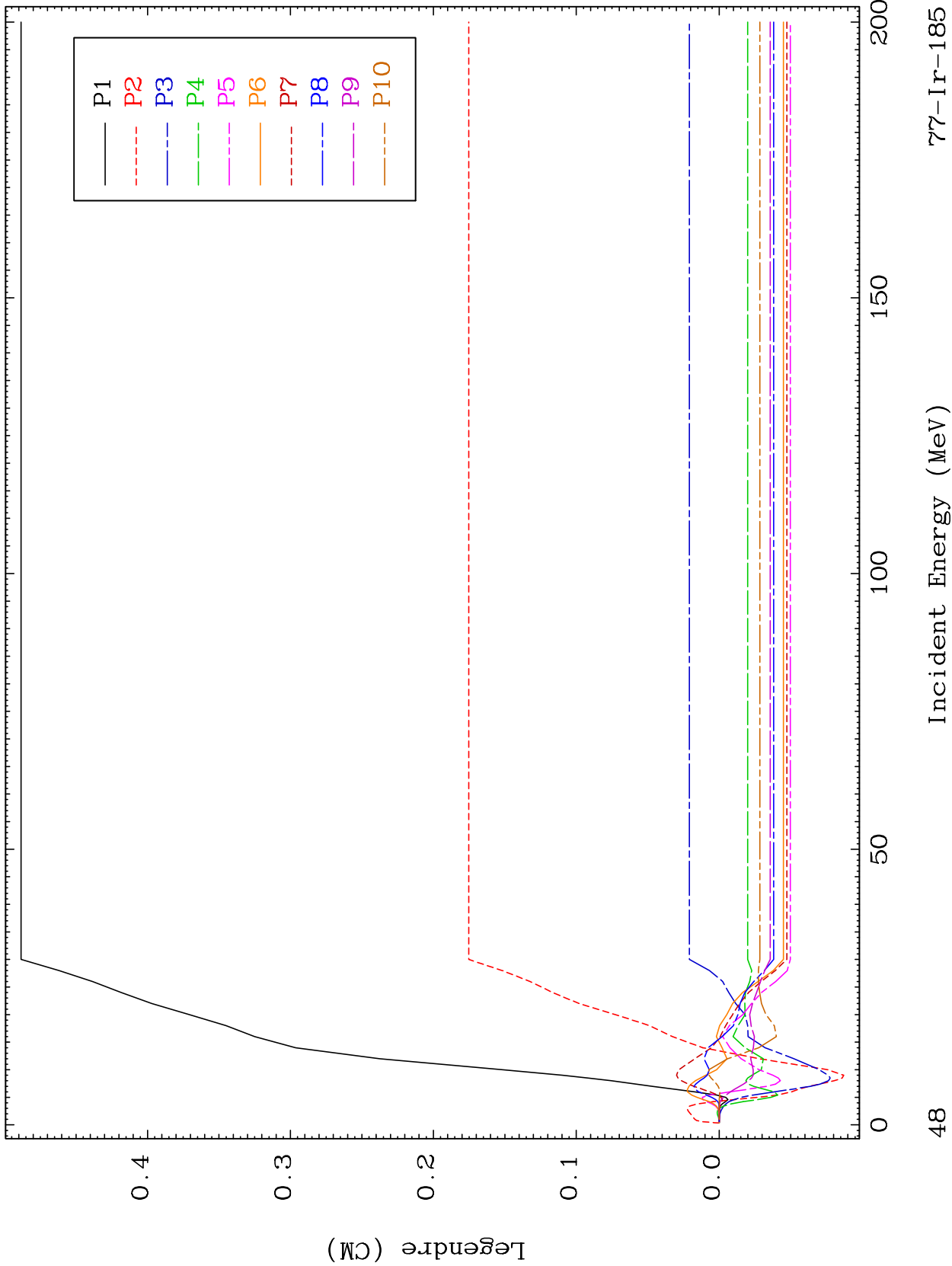
77-Ir-185



MAT 7707

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

77-Ir-185



77-Ir-185

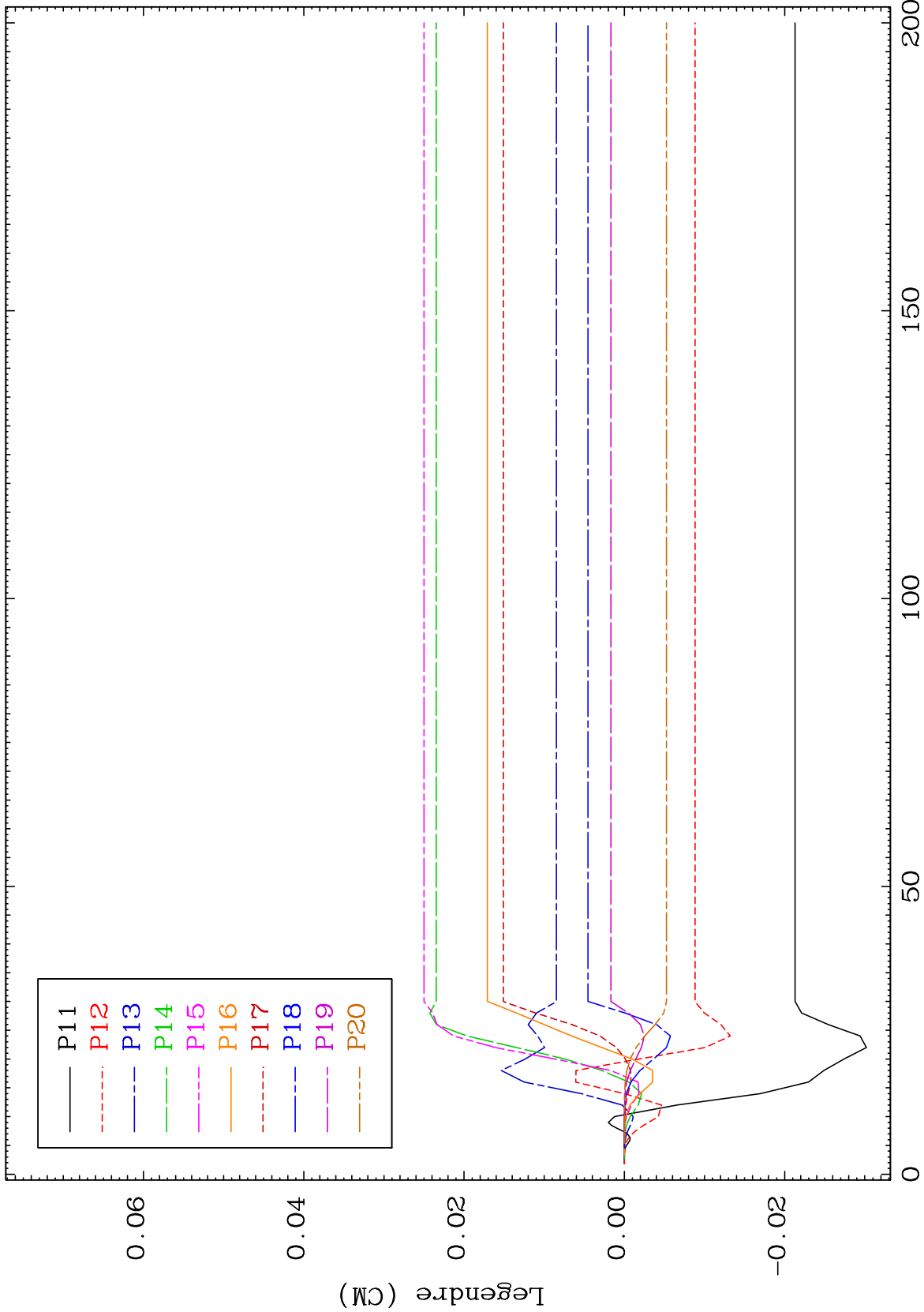
Incident Energy (MeV)

48

MAT 7707

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

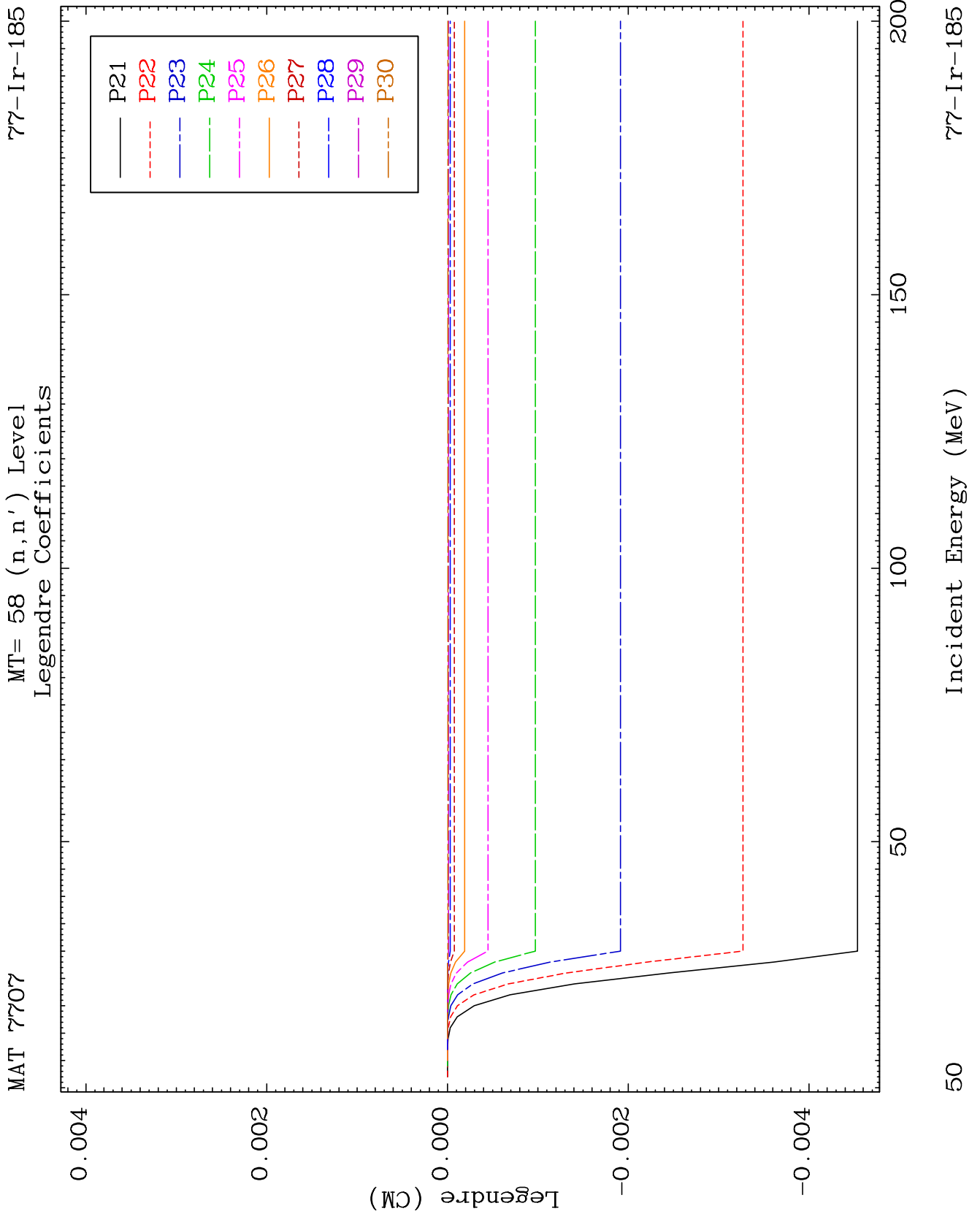
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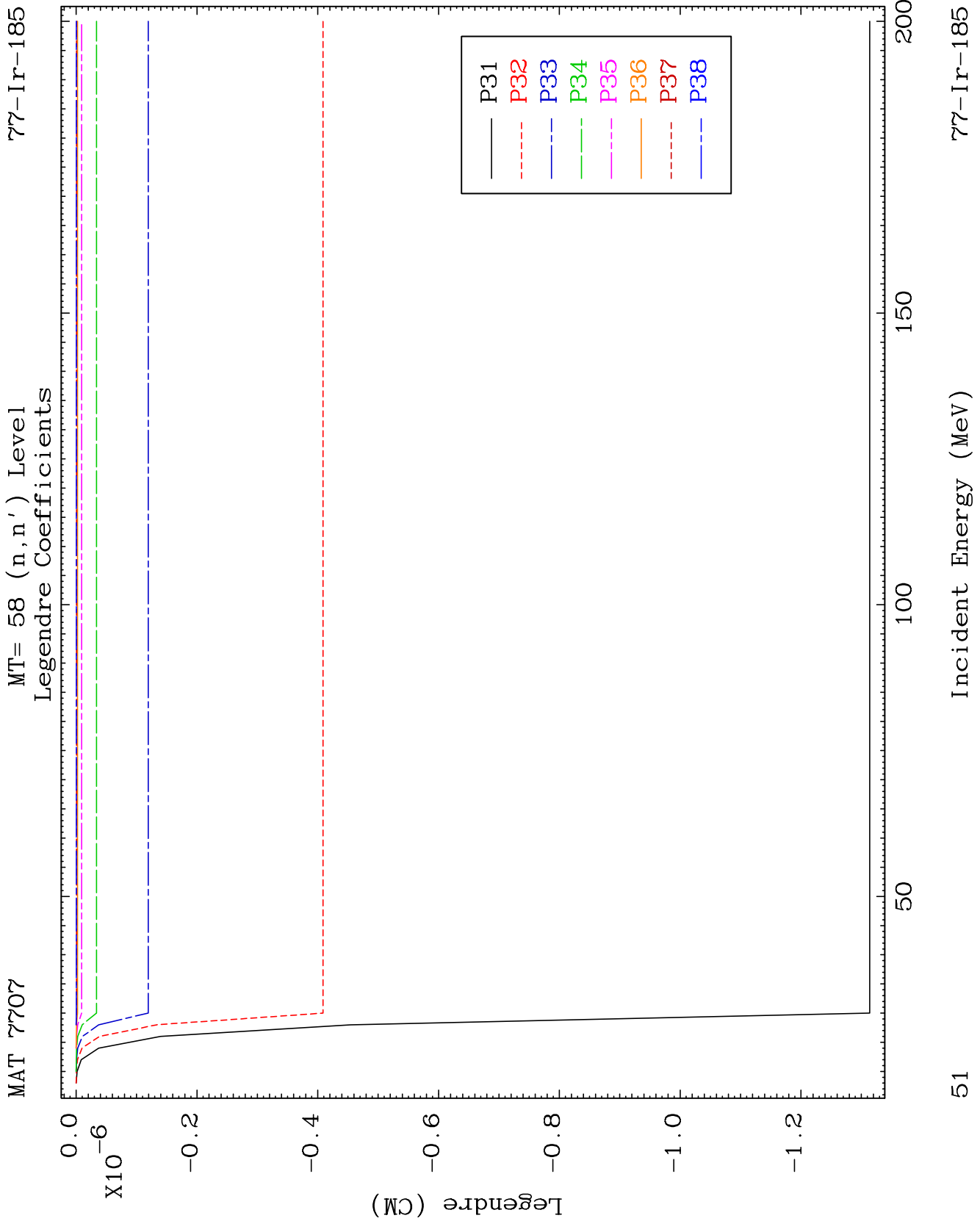


49

Incident Energy (MeV)

77-Ir-185

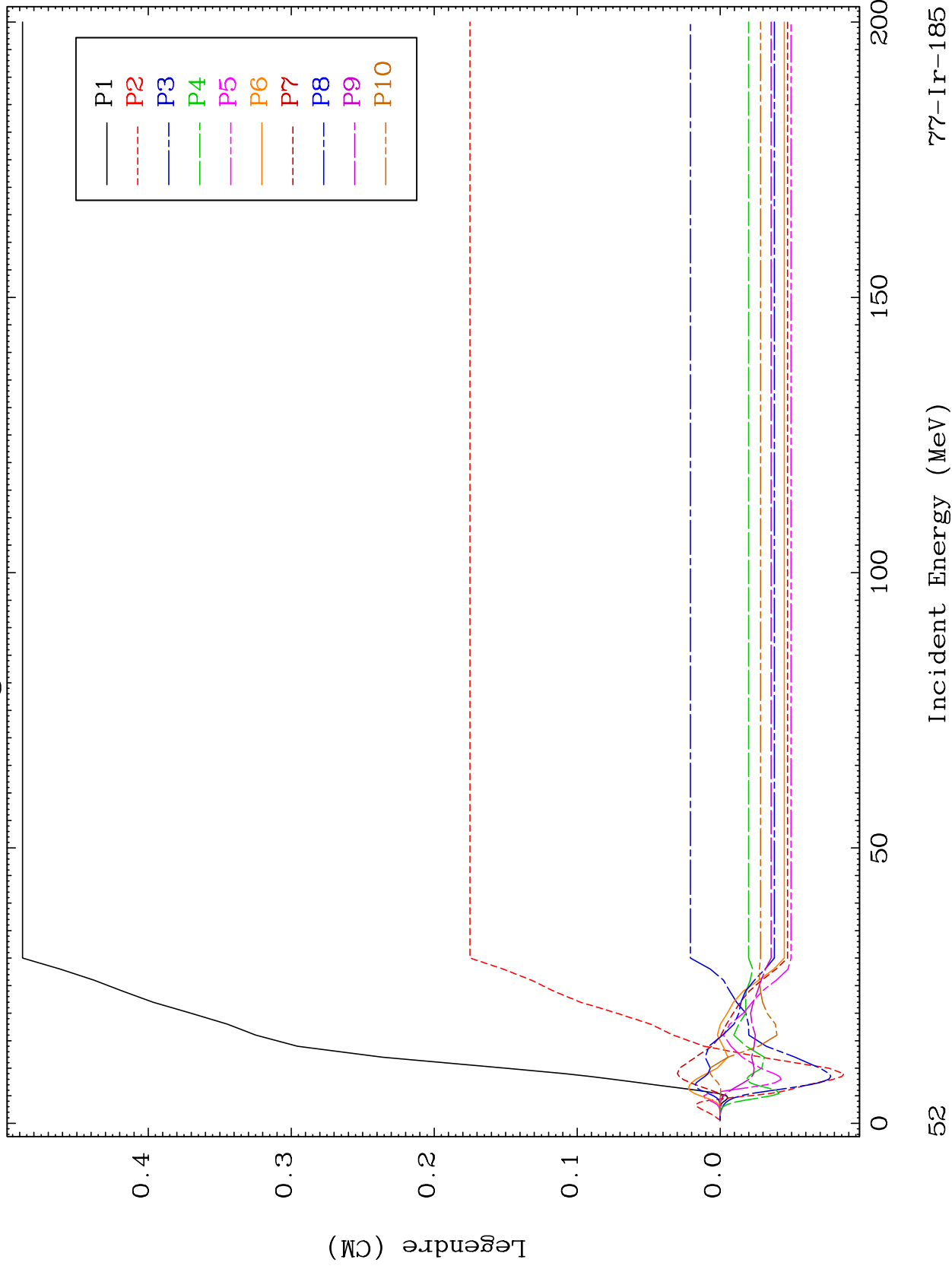




MAT 7707

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

77-Ir-185



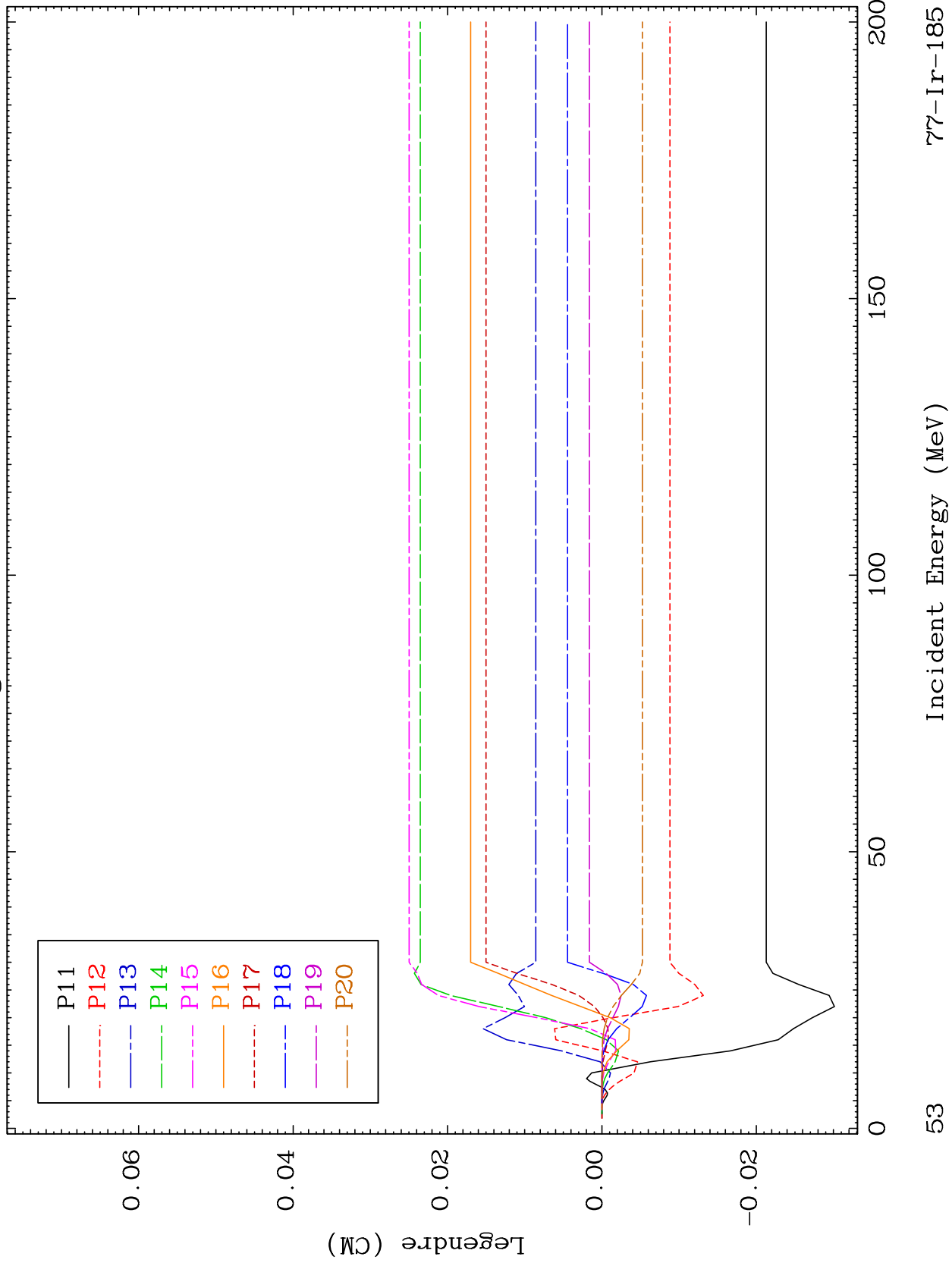
52

77-Ir-185

MAT 7707

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

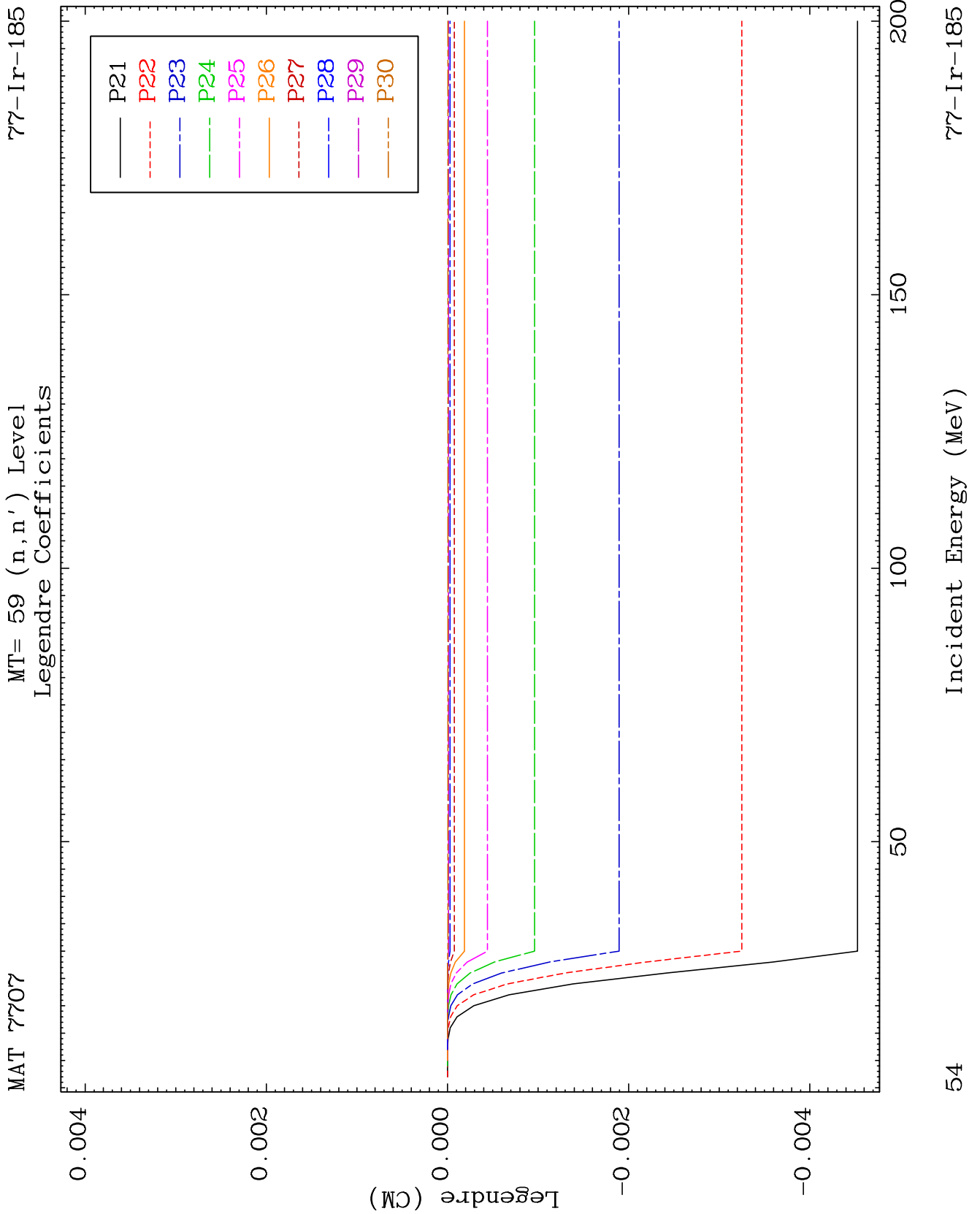
77-Ir-185

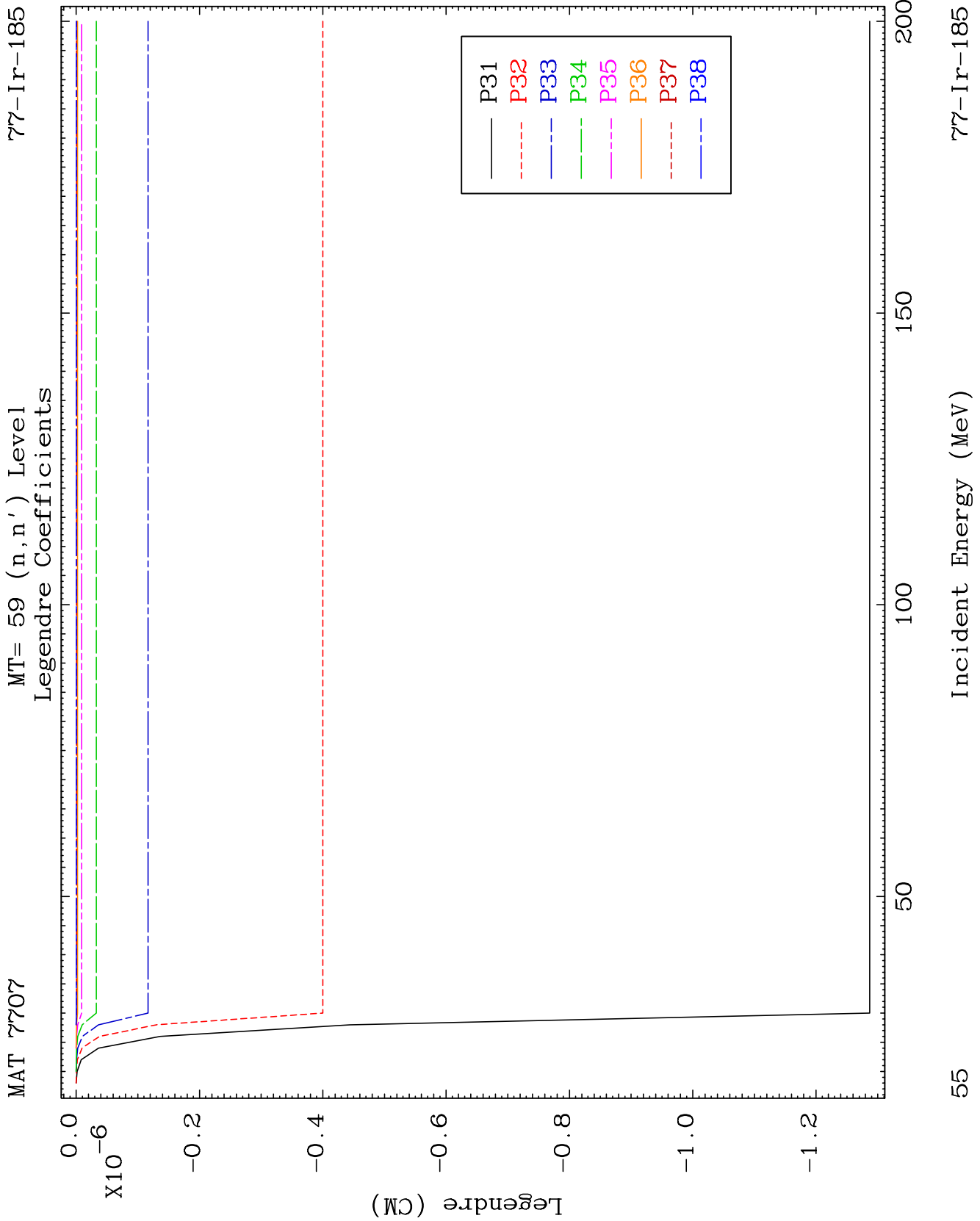


77-Ir-185

Incident Energy (MeV)

53

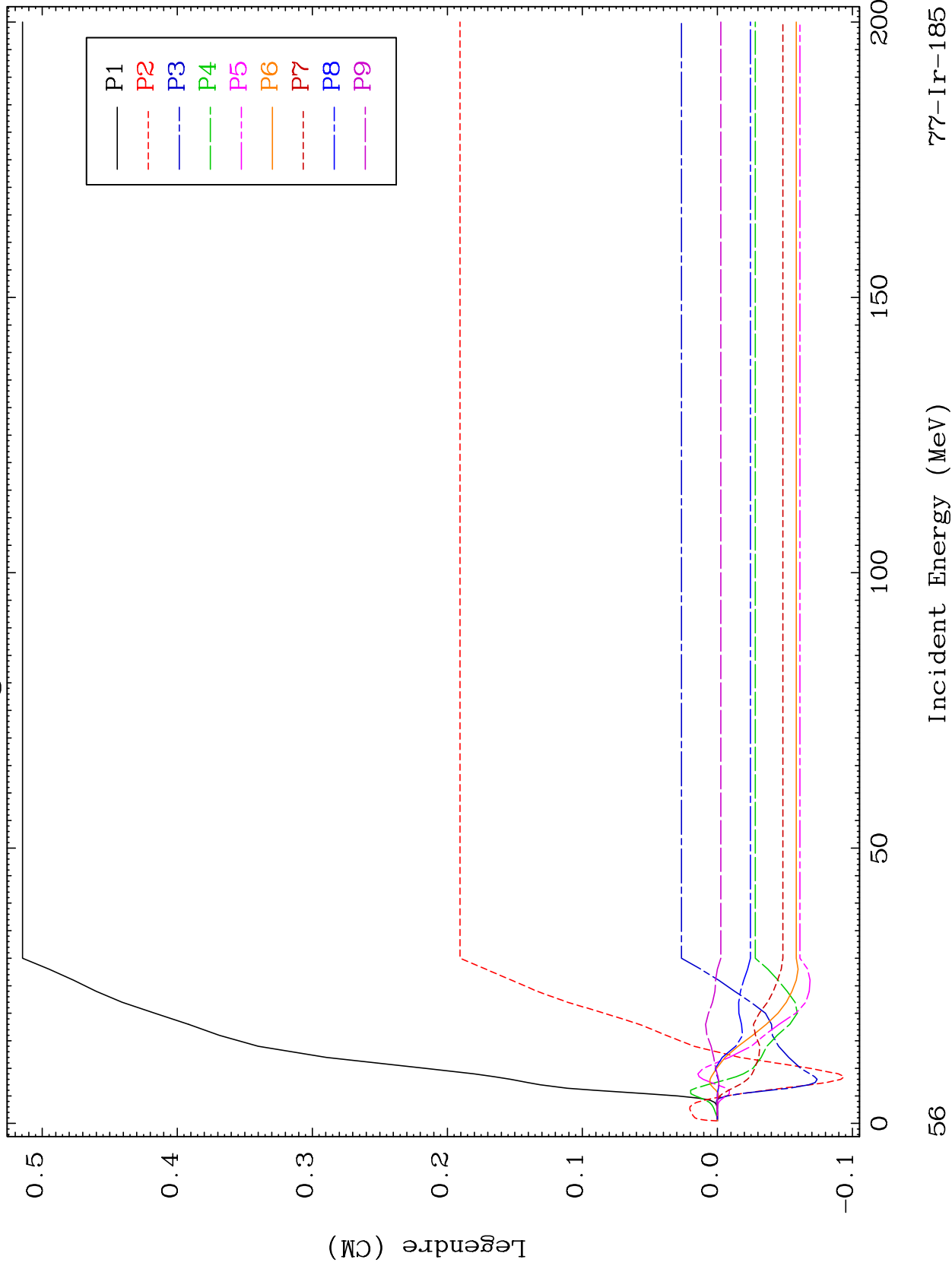




MAT 7707

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

77-Ir-185



56

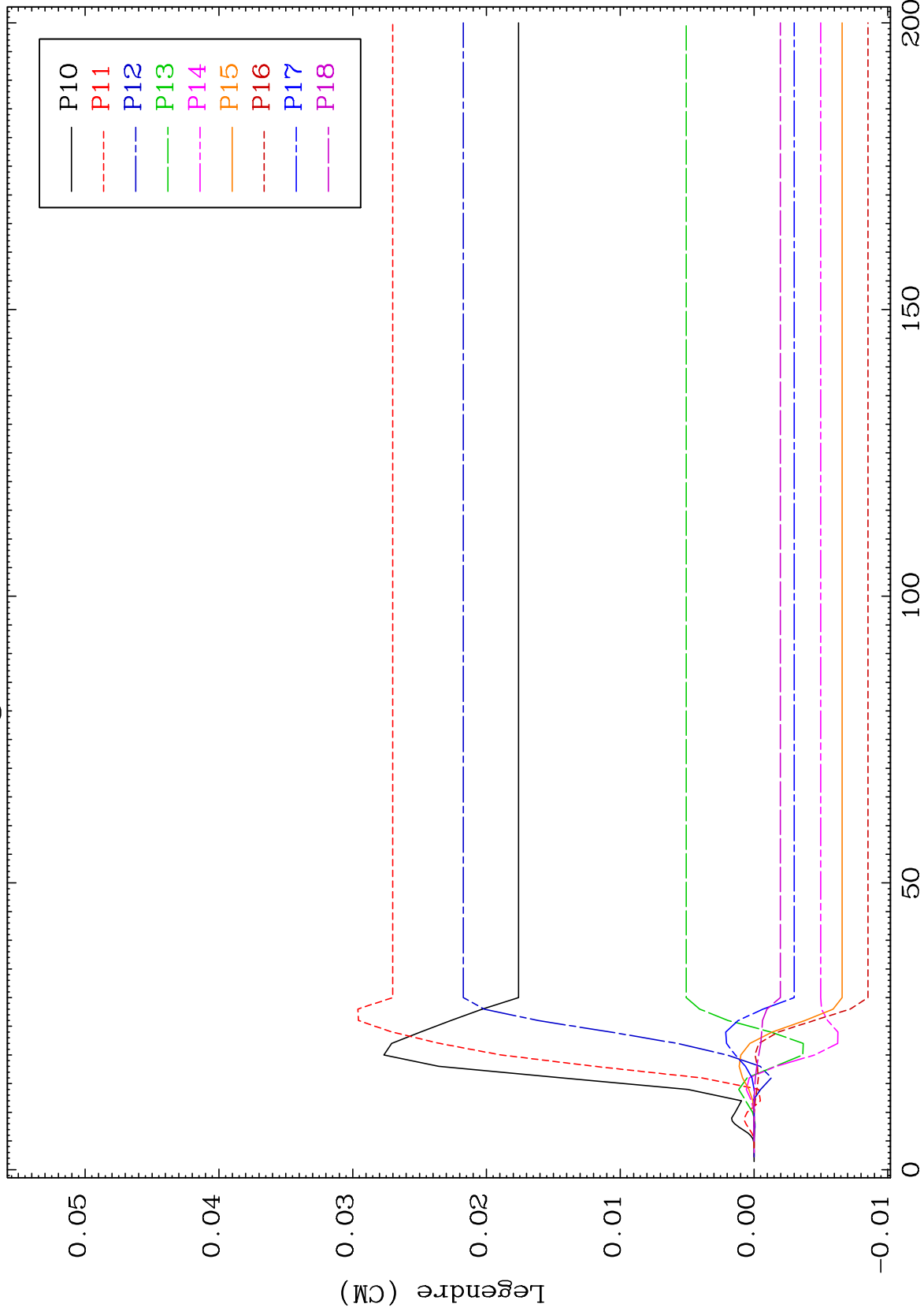
Incident Energy (MeV)

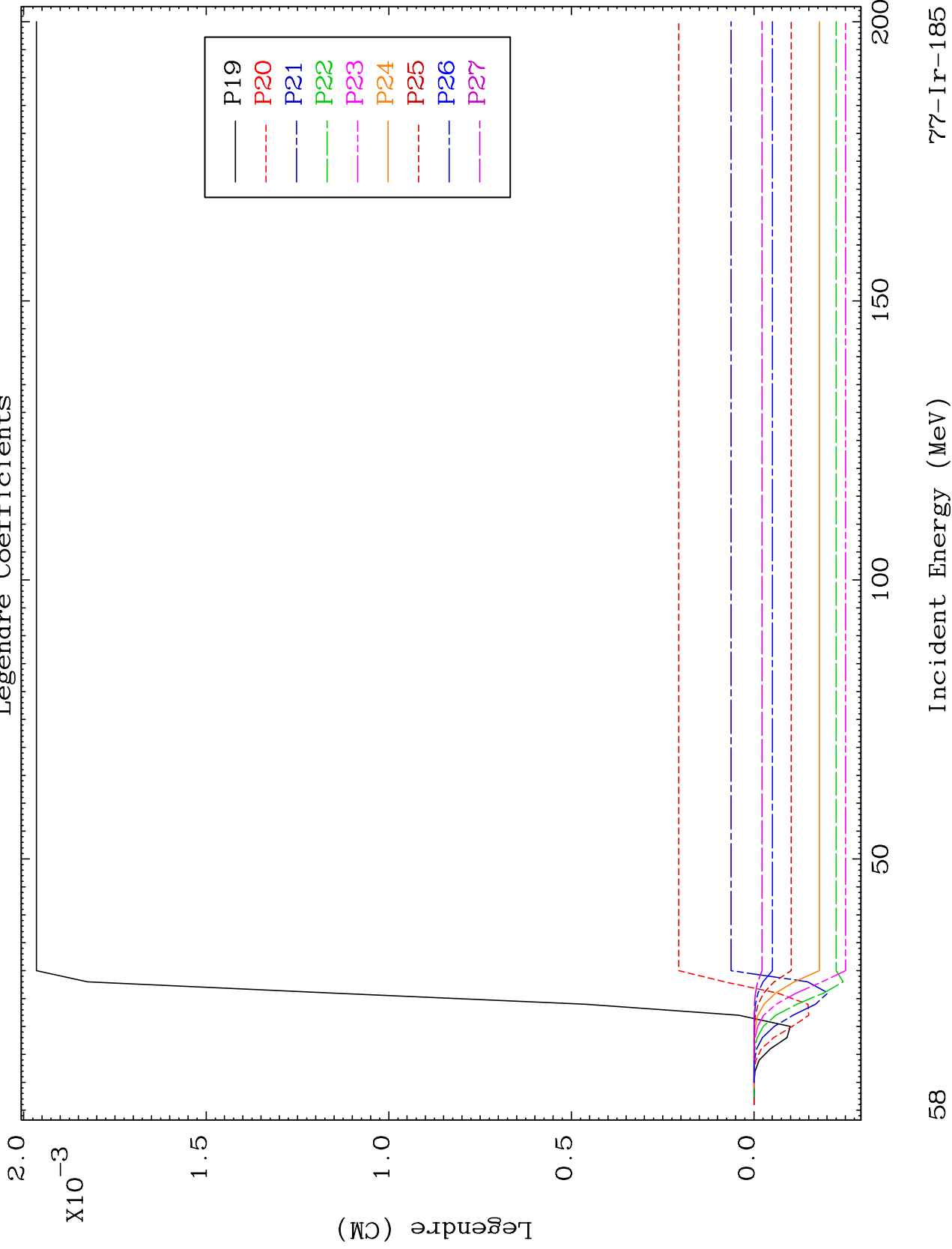
77-Ir-185

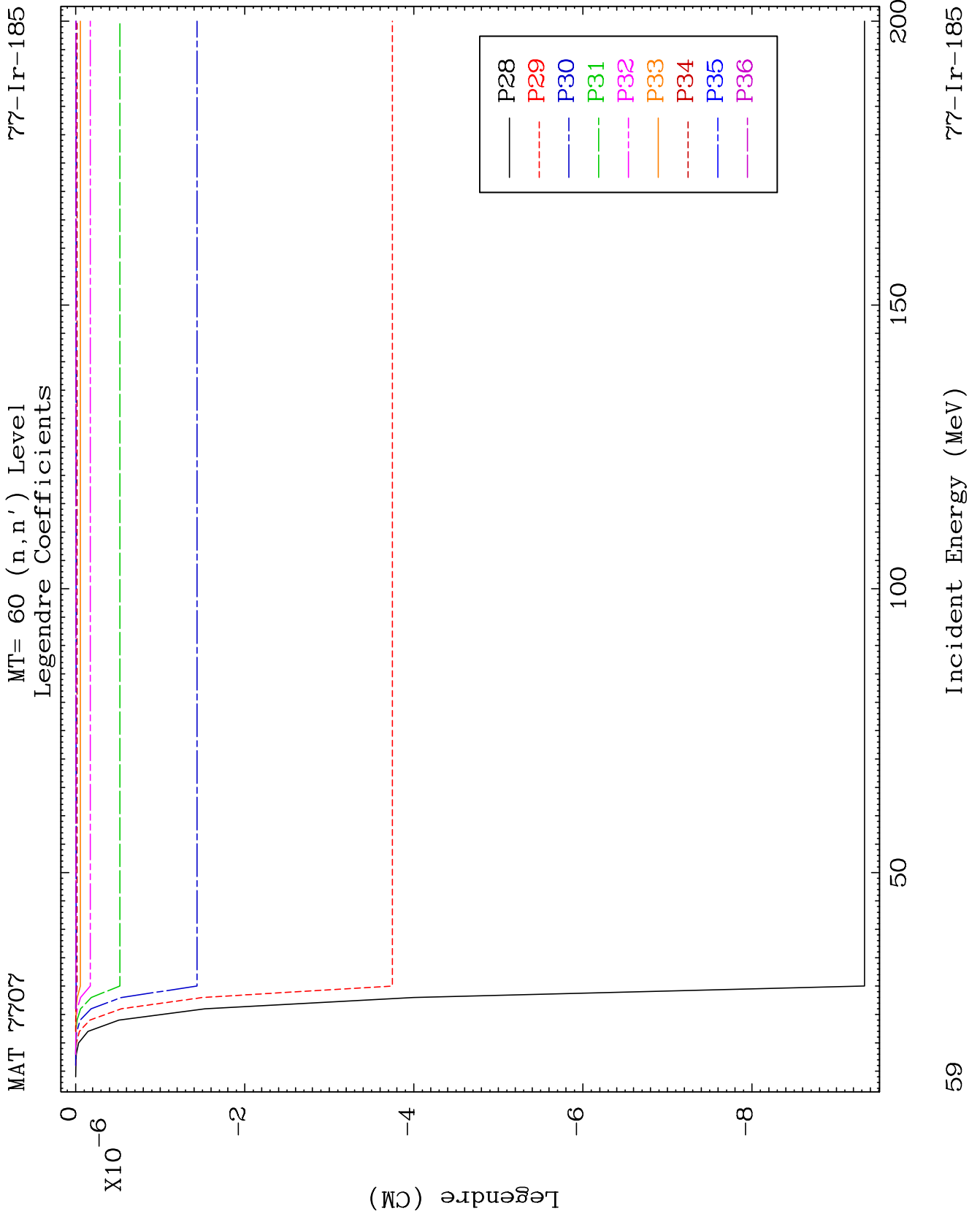
MAT 7707

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

77-Ir-185



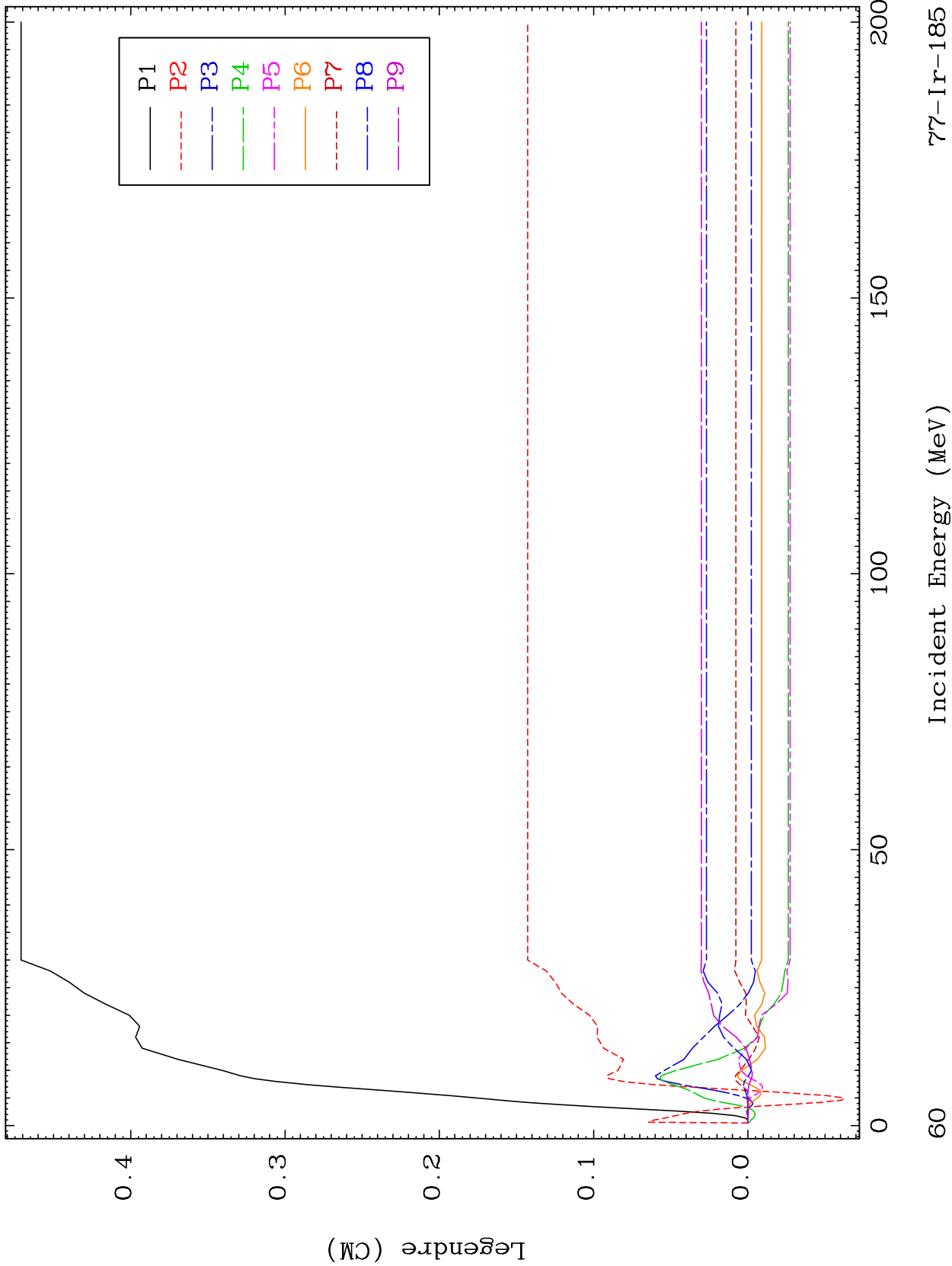




MAT 7707

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

77-Ir-185



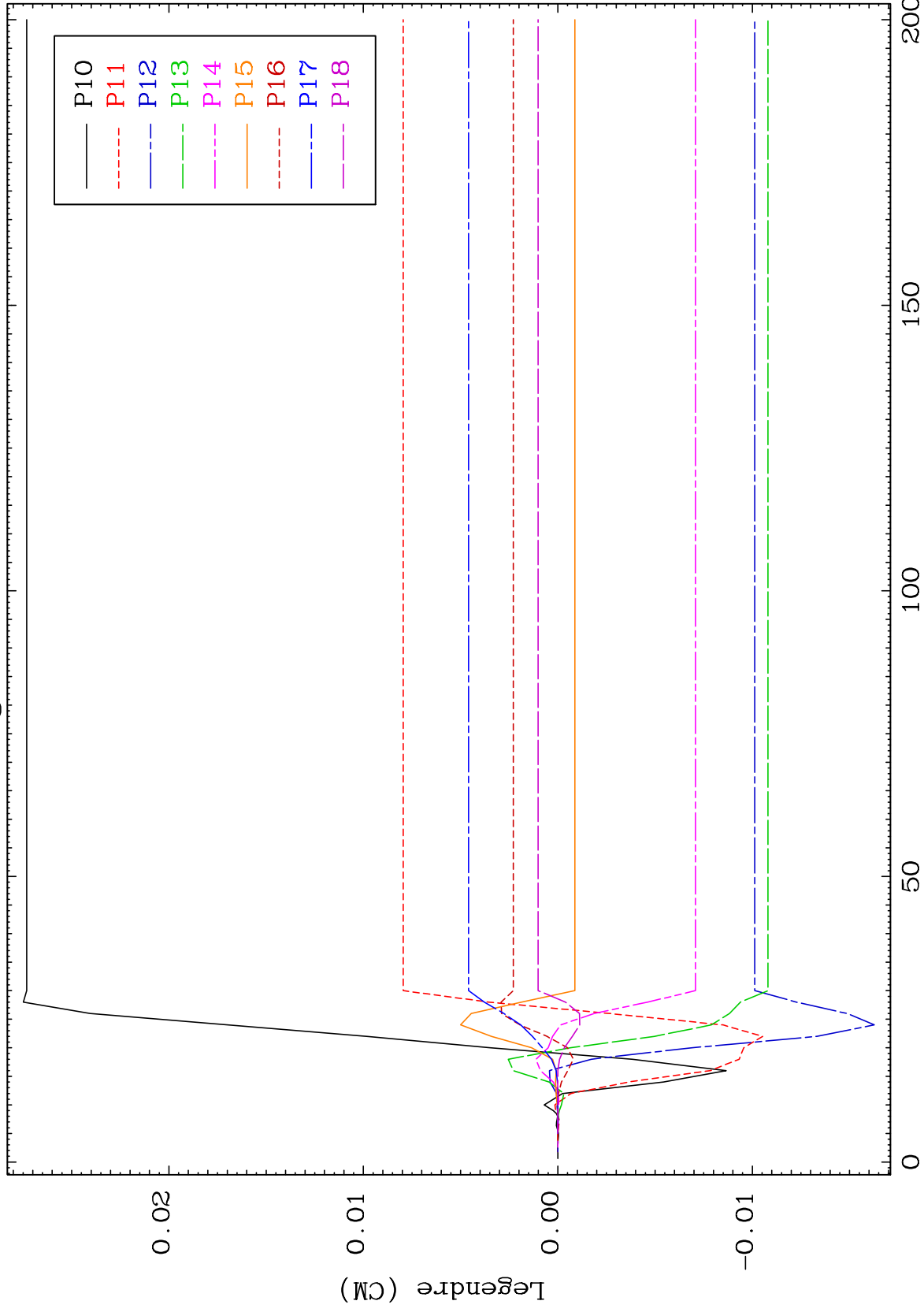
77-Ir-185

Incident Energy (MeV)

MAT 7707

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

77-Ir-185



61

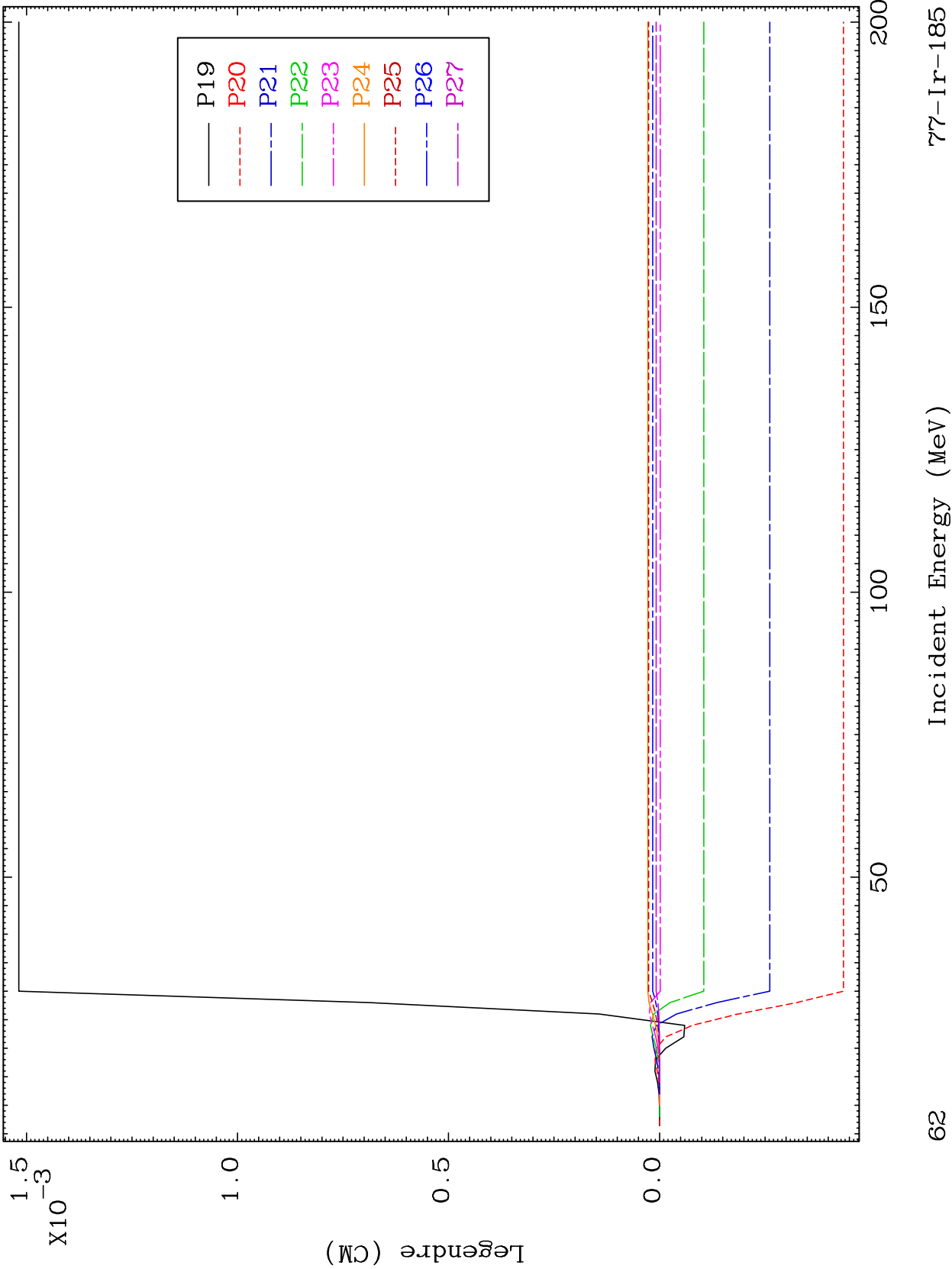
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185



62

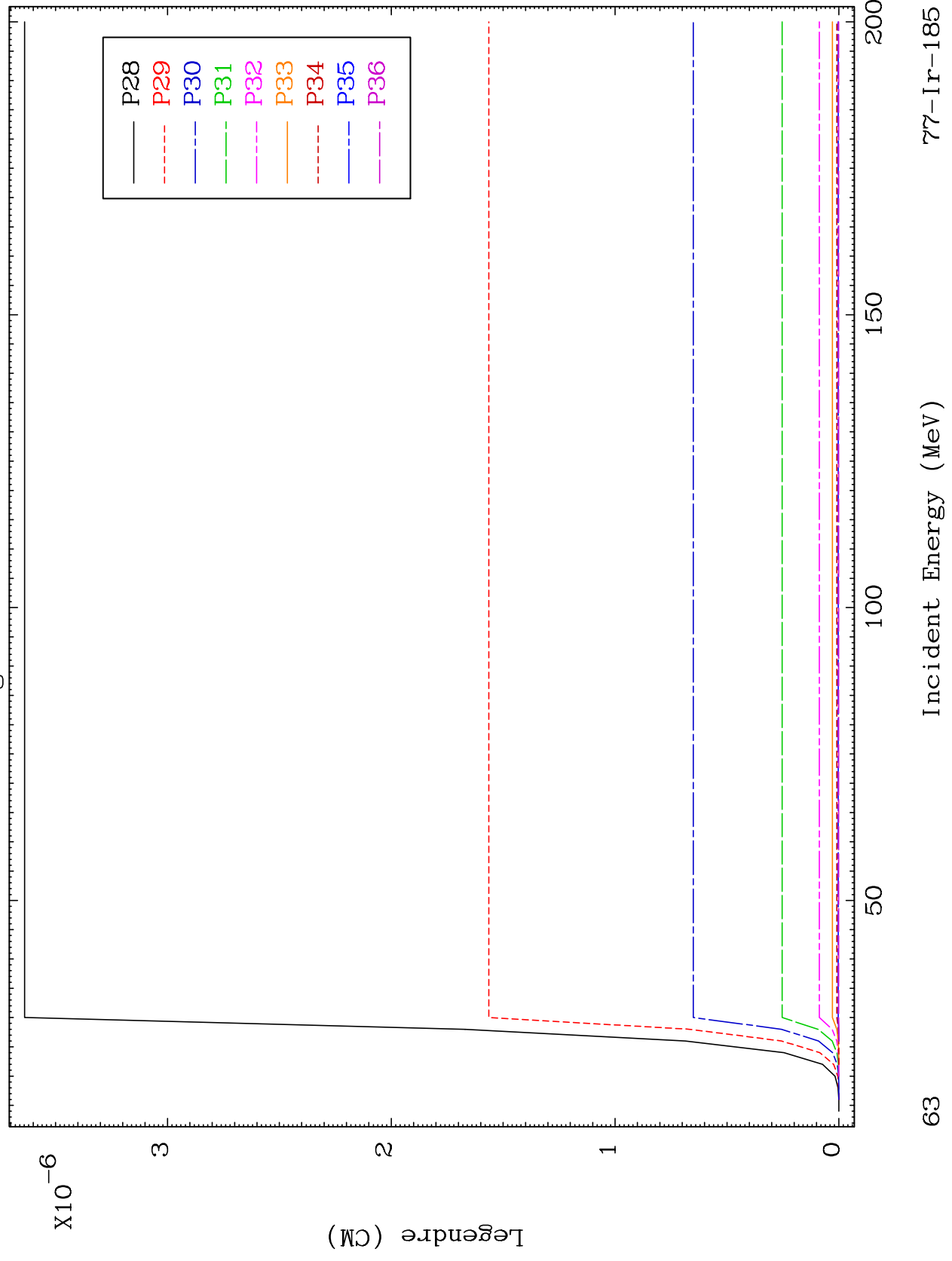
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

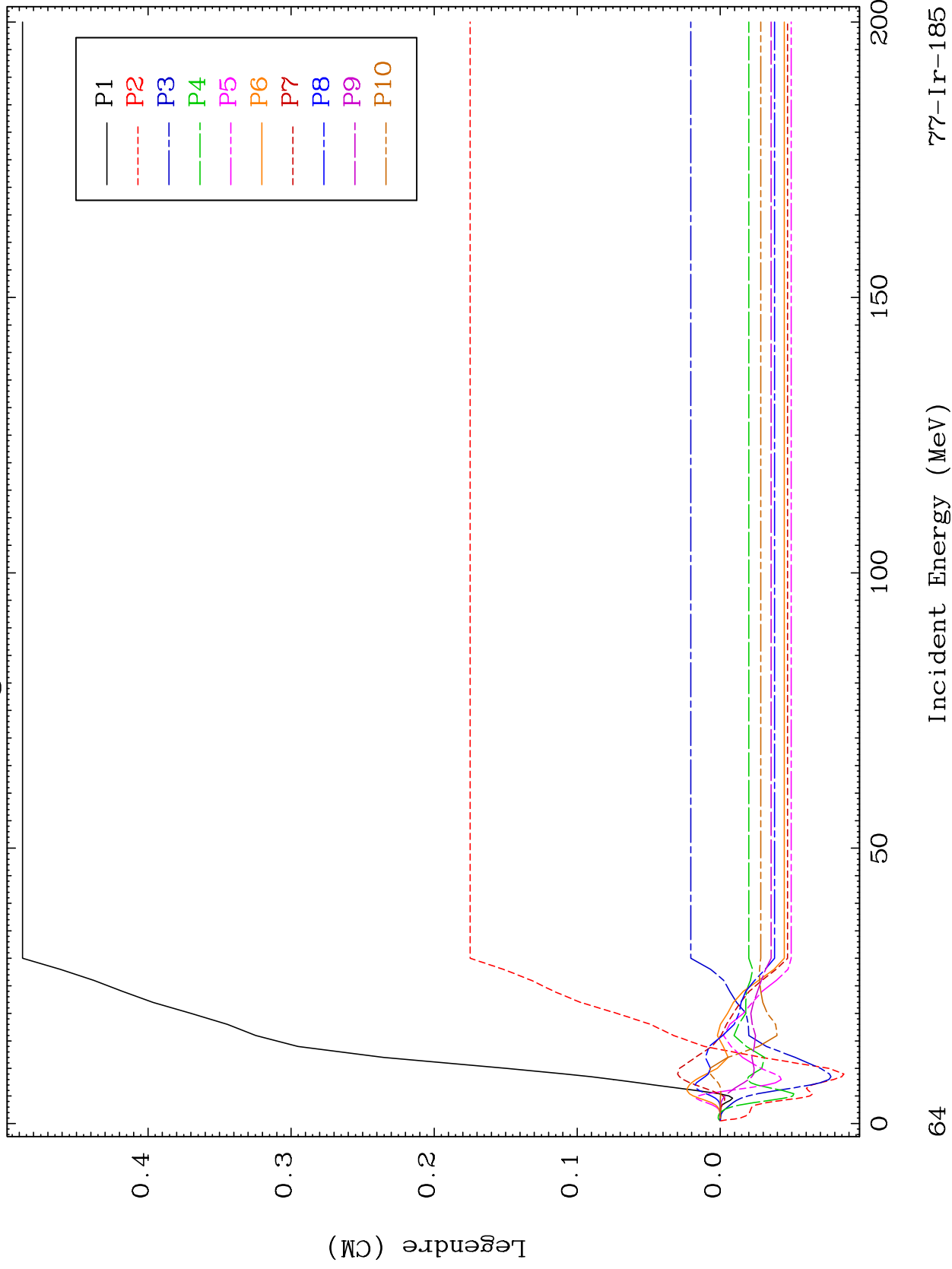
77-Ir-185



MAT 7707

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

77-Ir-185



77-Ir-185

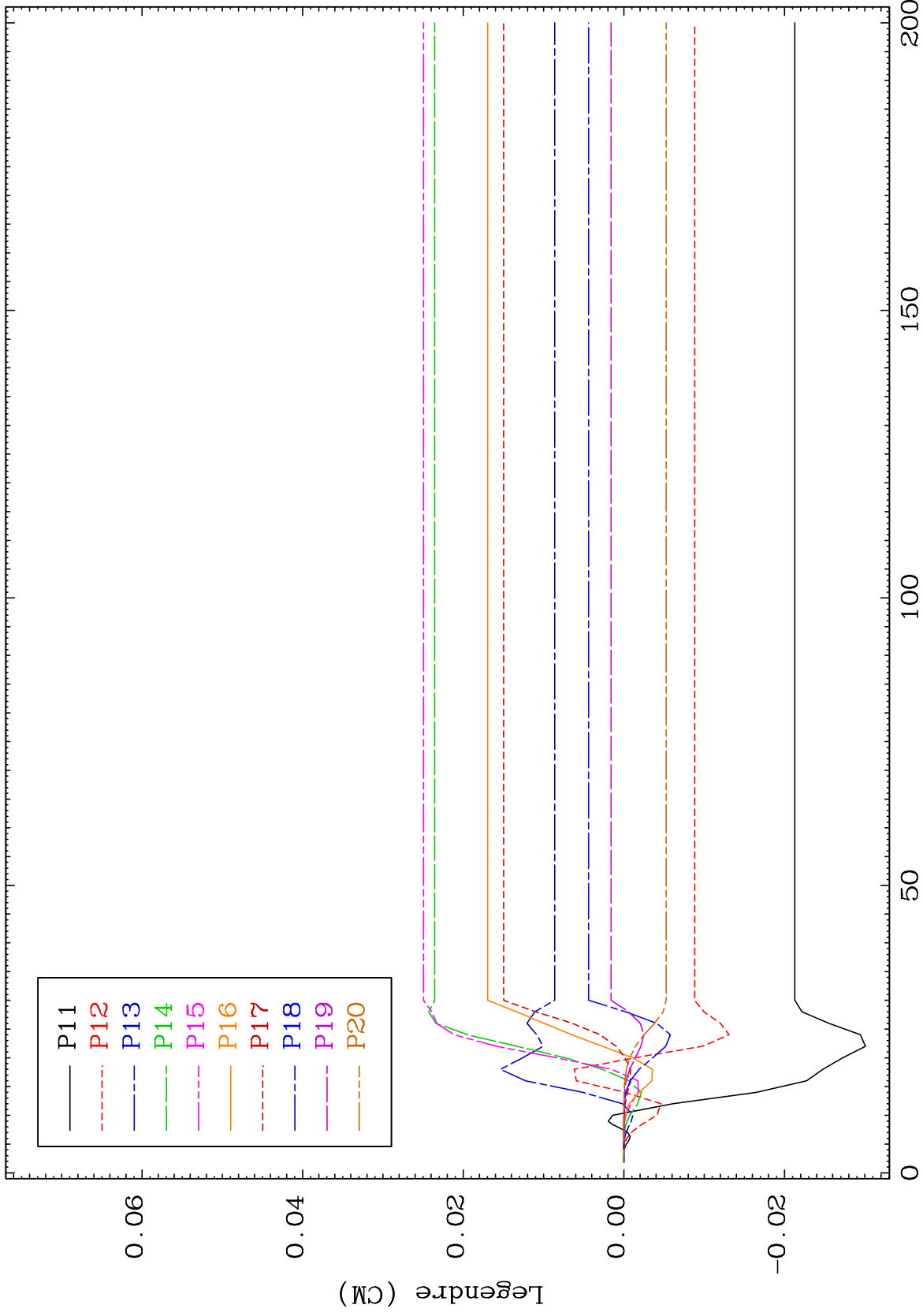
Incident Energy (MeV)

64

MAT 7707

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

77-Ir-185



65

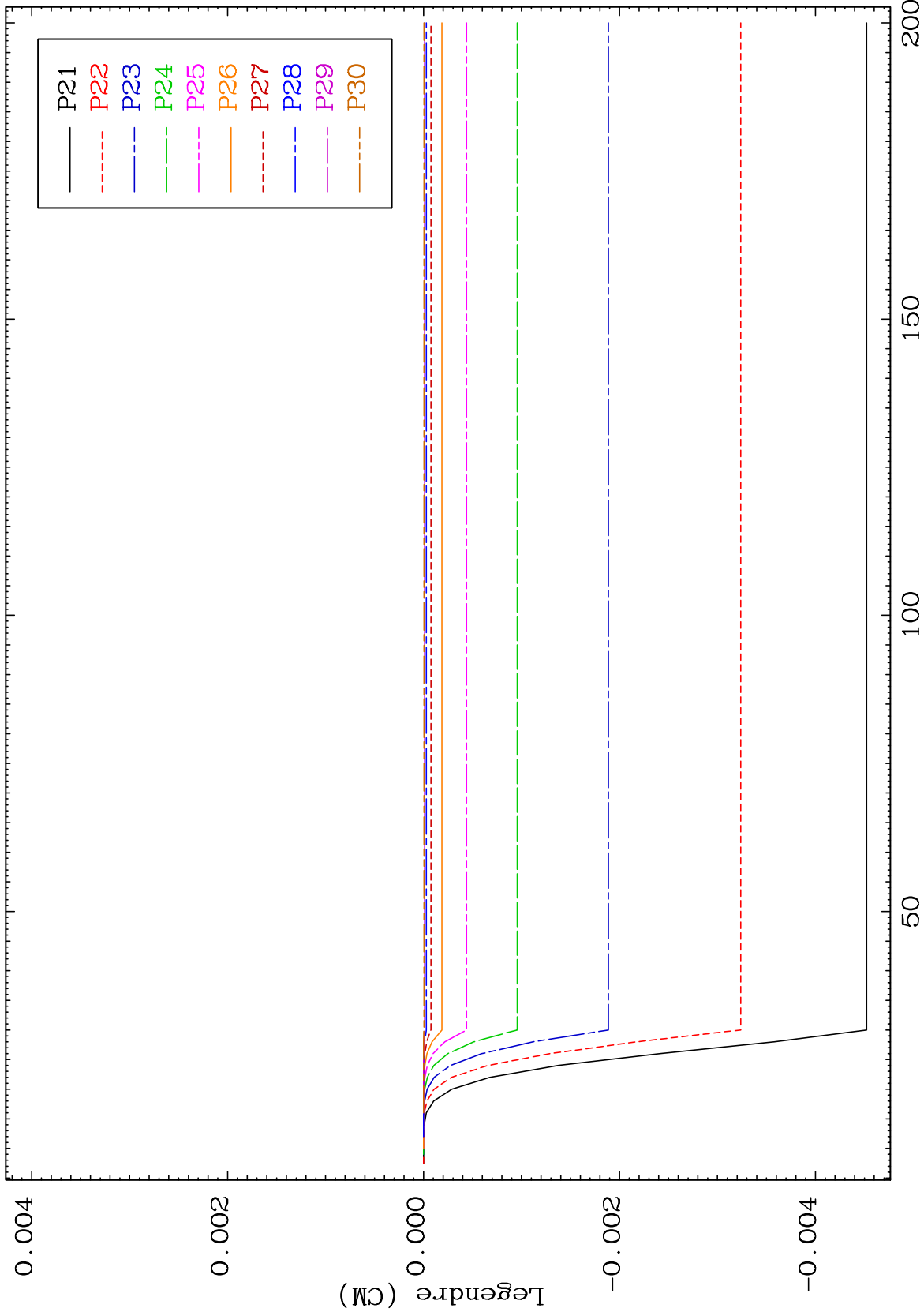
Incident Energy (MeV)

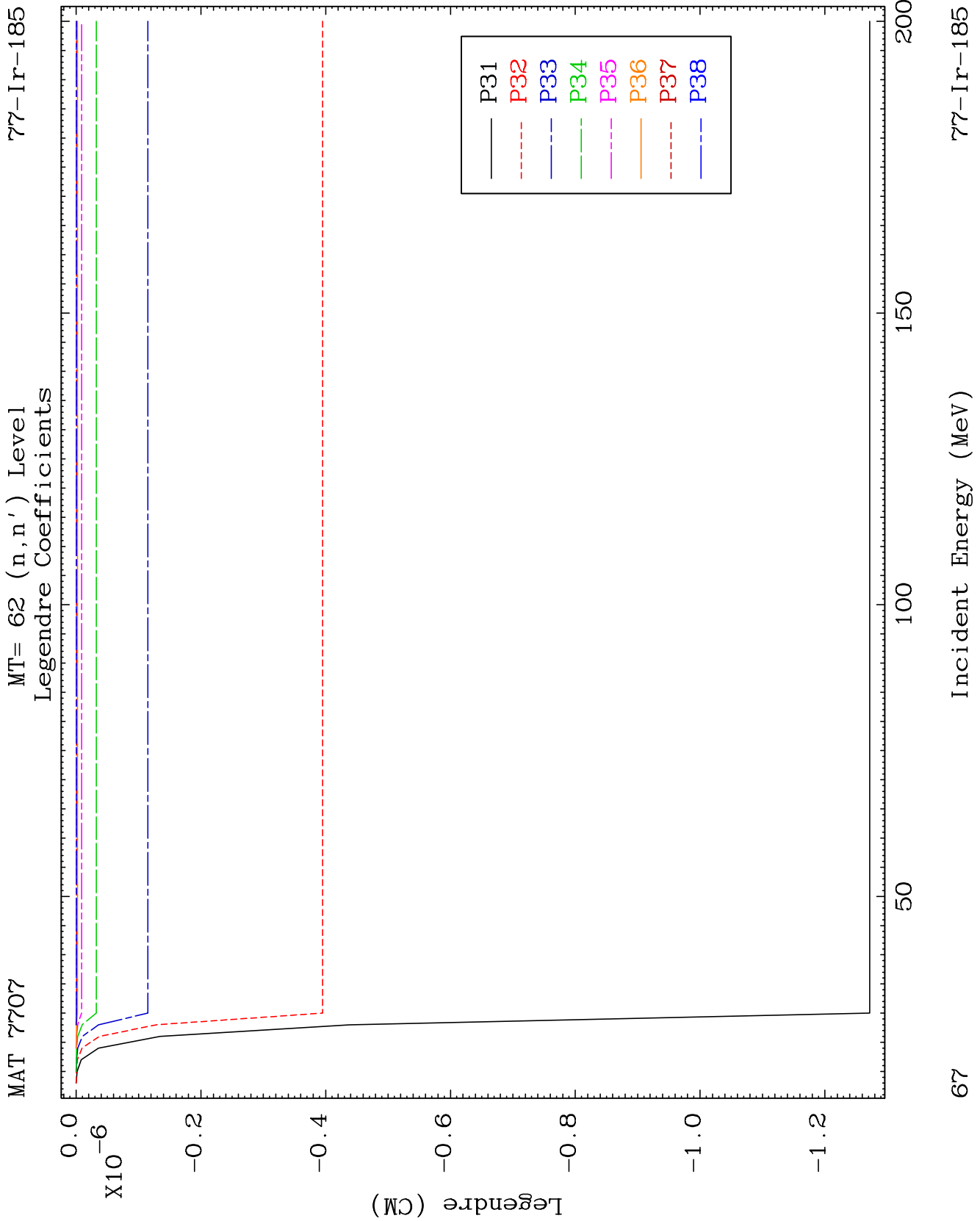
77-Ir-185

MAT 7707

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

77-Ir-185

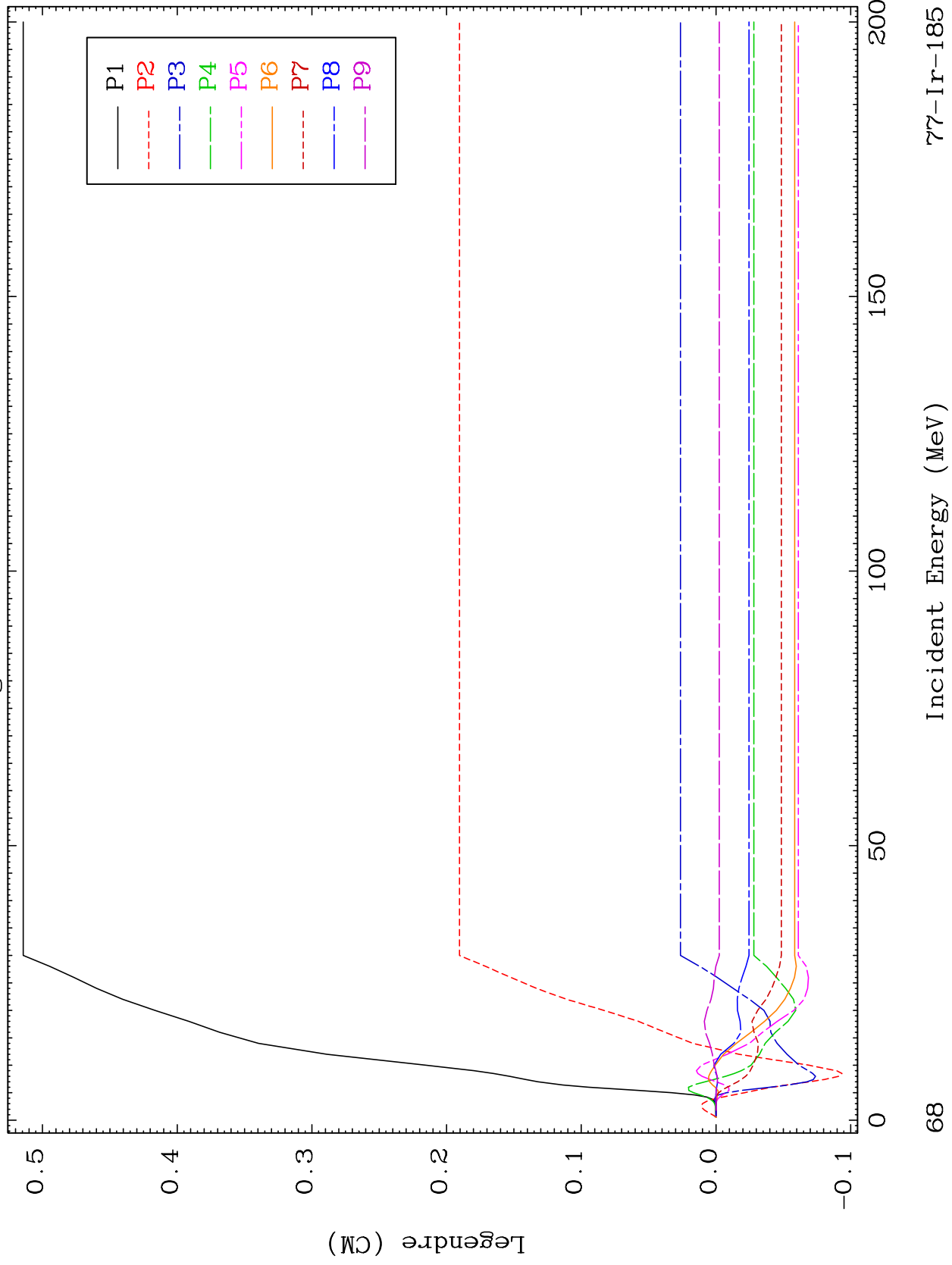




MAT 7707

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

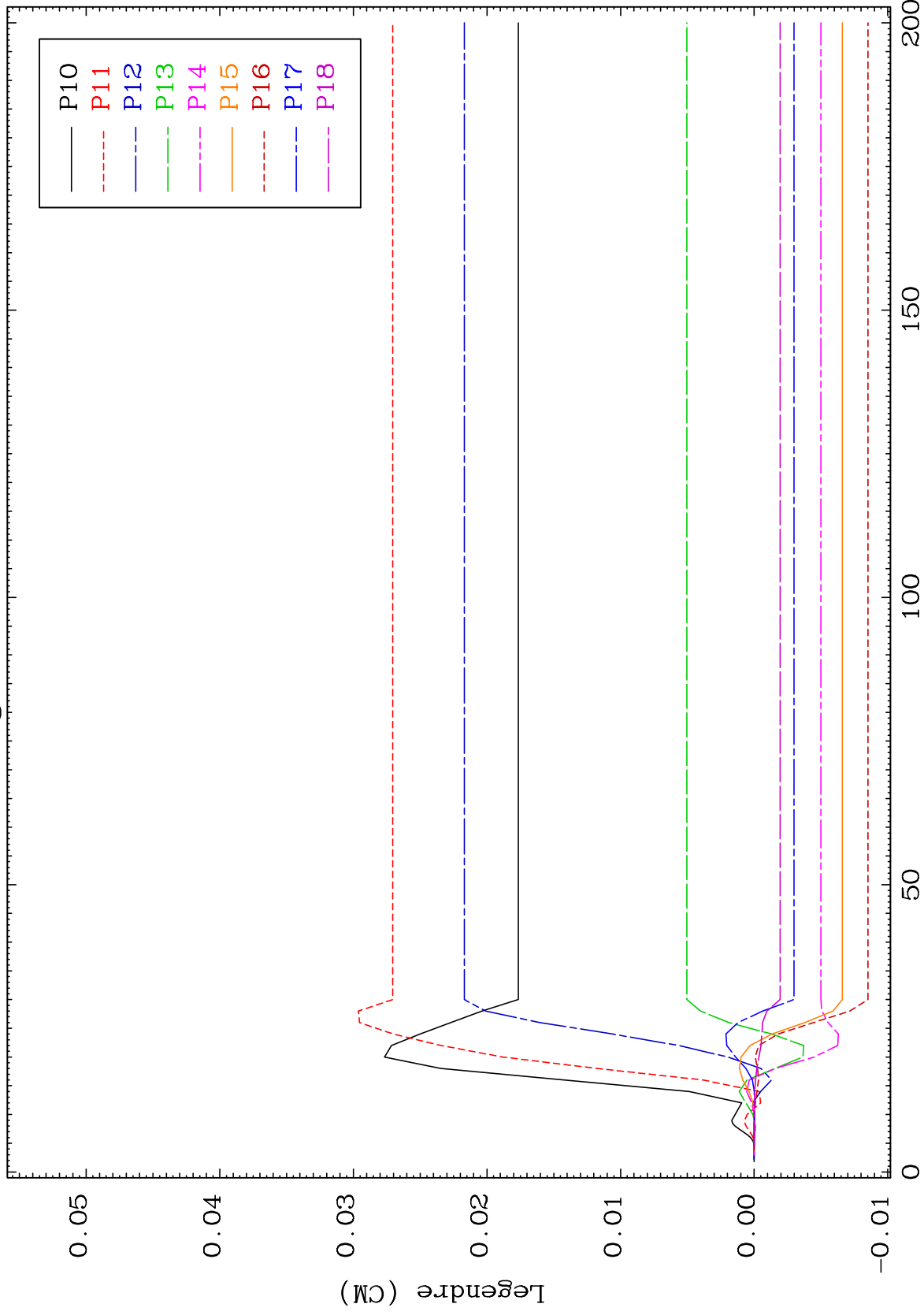
77-Ir-185



MAT 7707

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

77-Ir-185



77-Ir-185

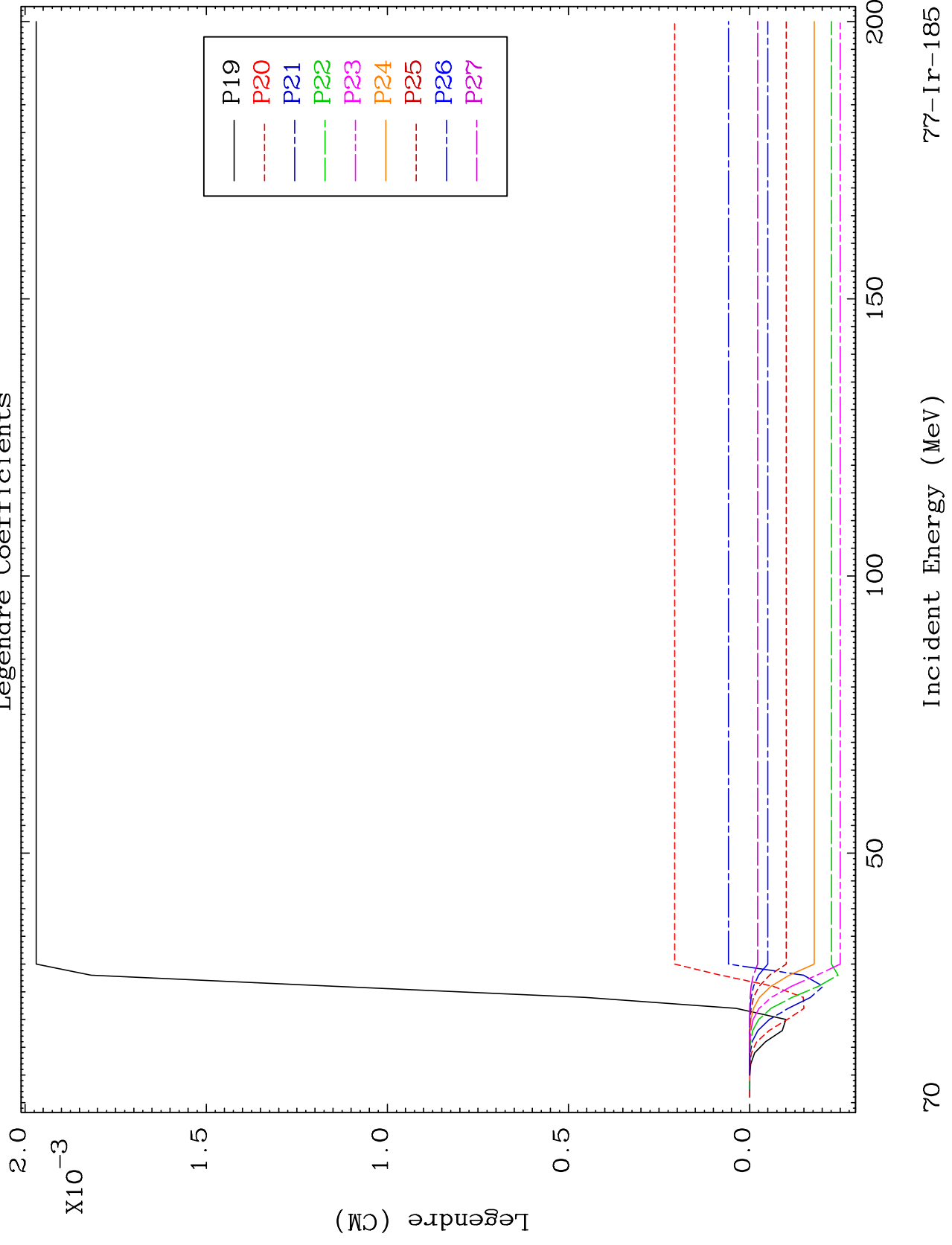
Incident Energy (MeV)

69

MAT 7707

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

77-Ir-185



70

Incident Energy (MeV)

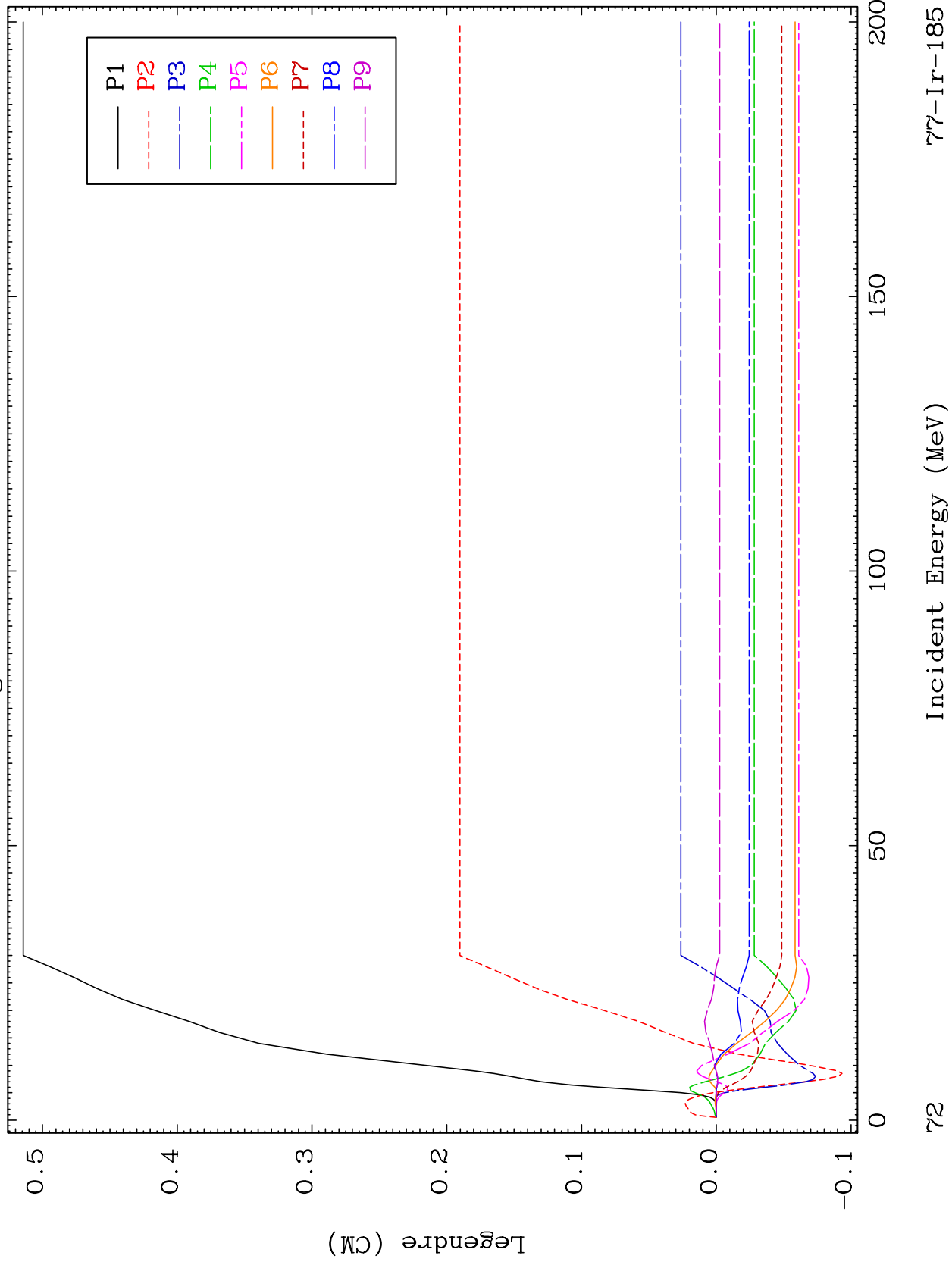
77-Ir-185



MAT 7707

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

77-Ir-185



77-Ir-185

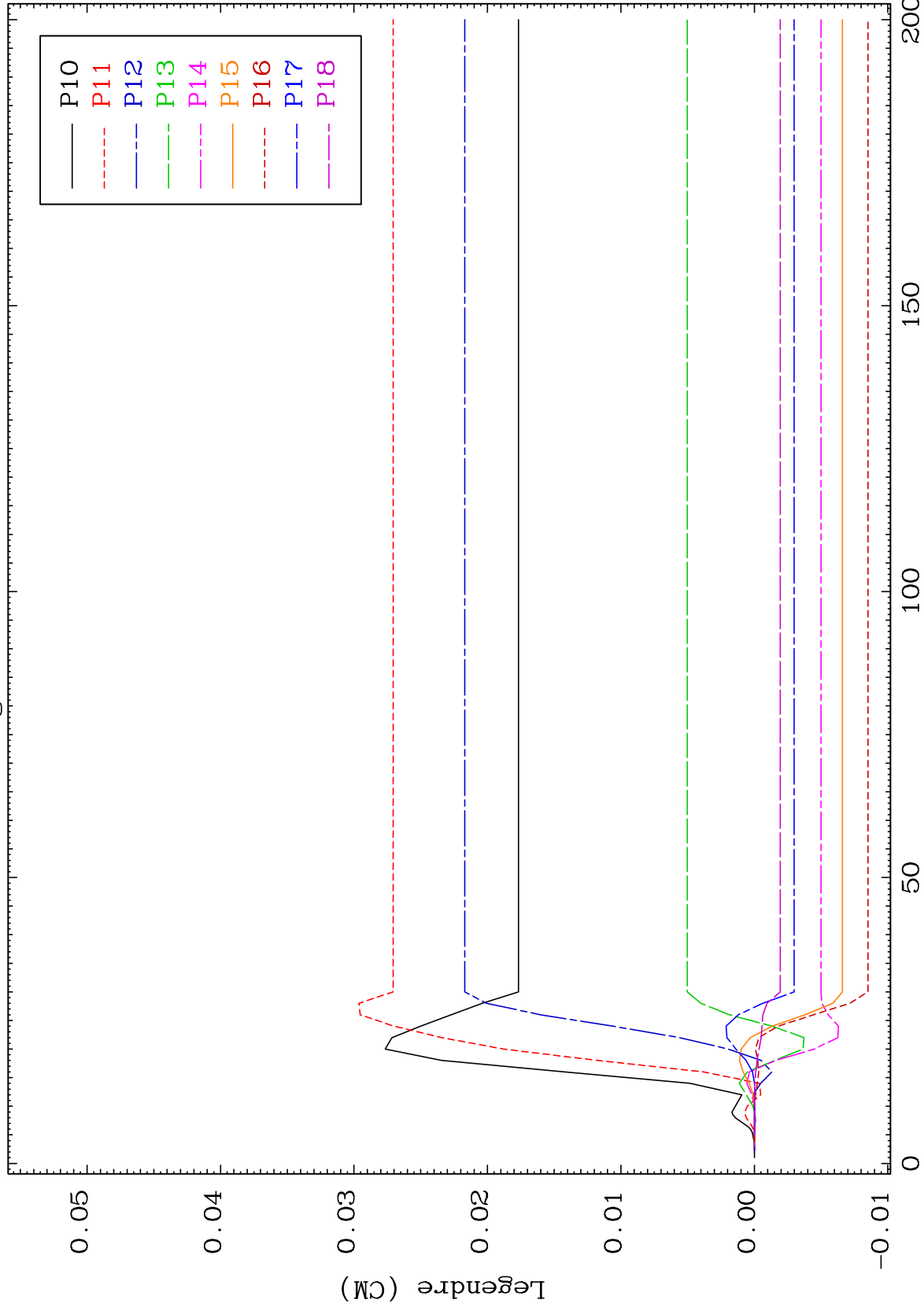
Incident Energy (MeV)

72

MAT 7707

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

77-Ir-185



73

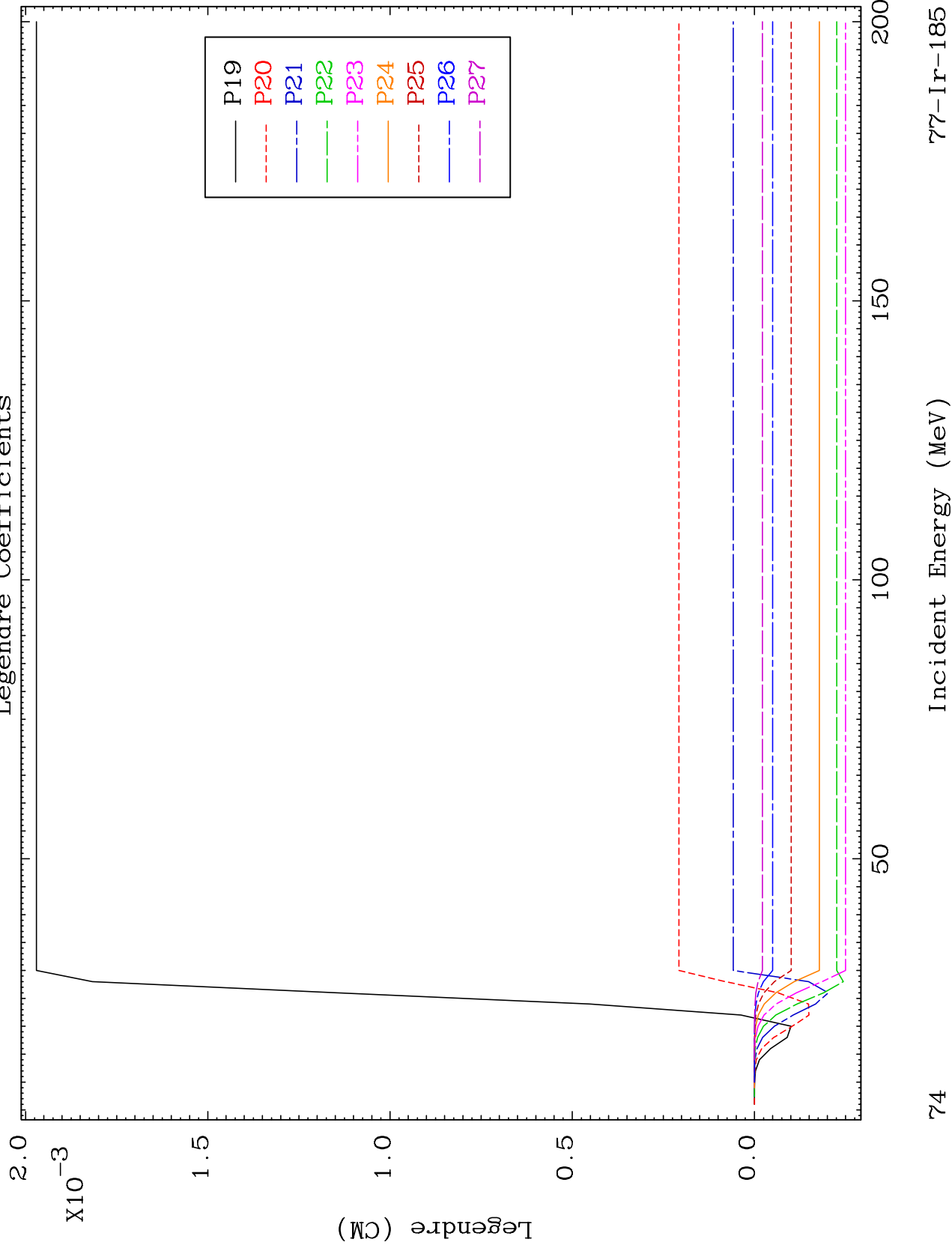
Incident Energy (MeV)

77-Ir-185

MAT 7707

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

77-Ir-185

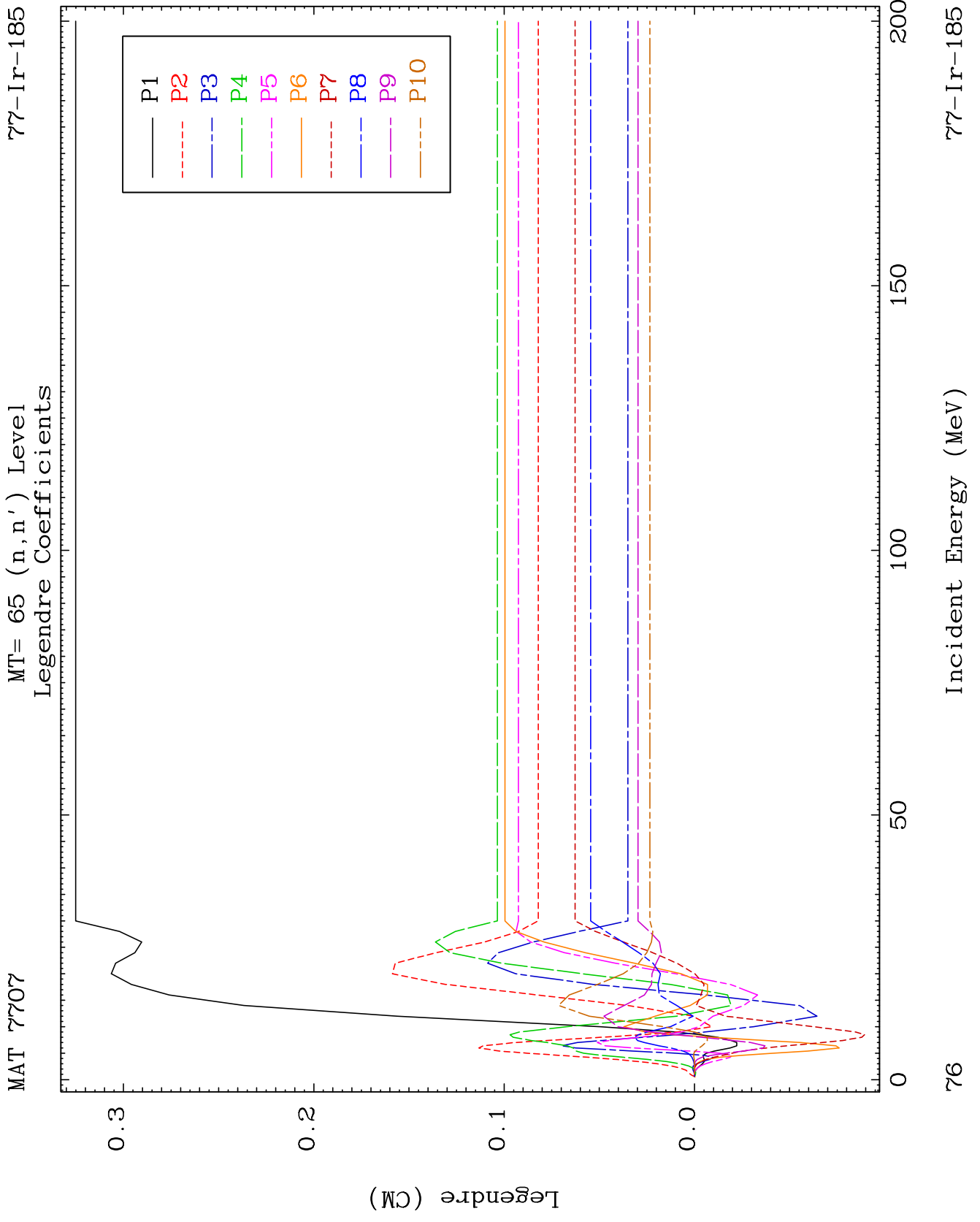


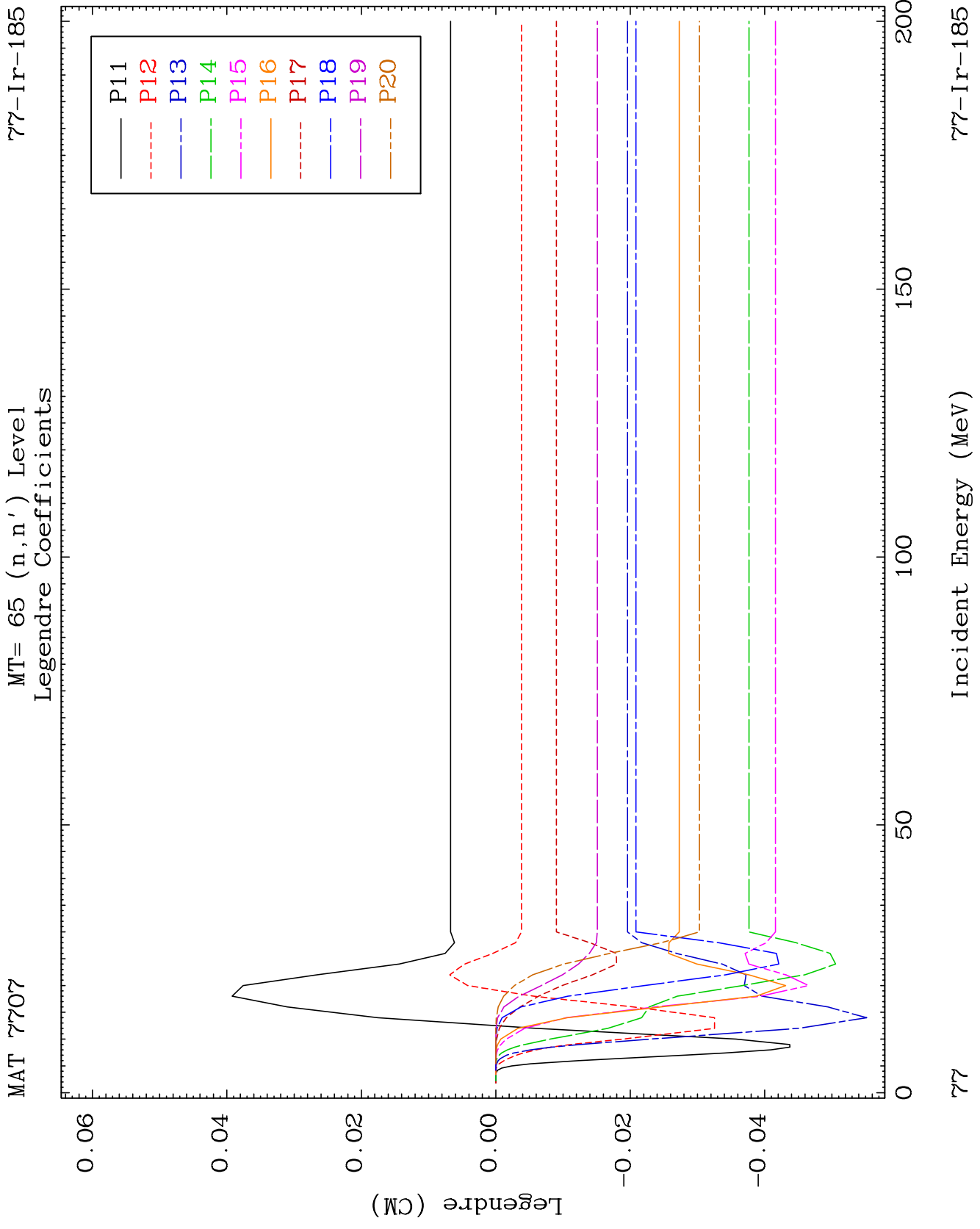
74

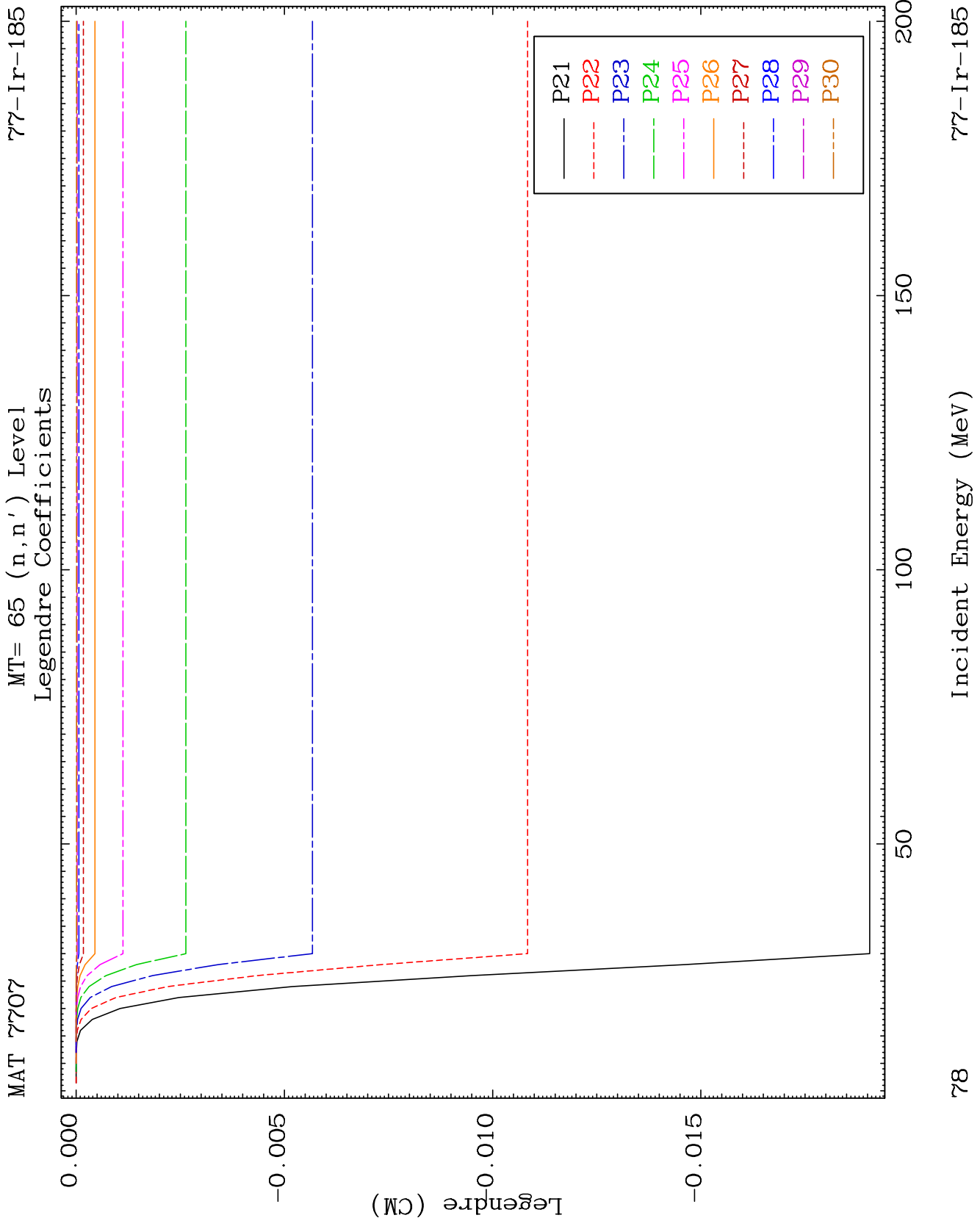
Incident Energy (MeV)

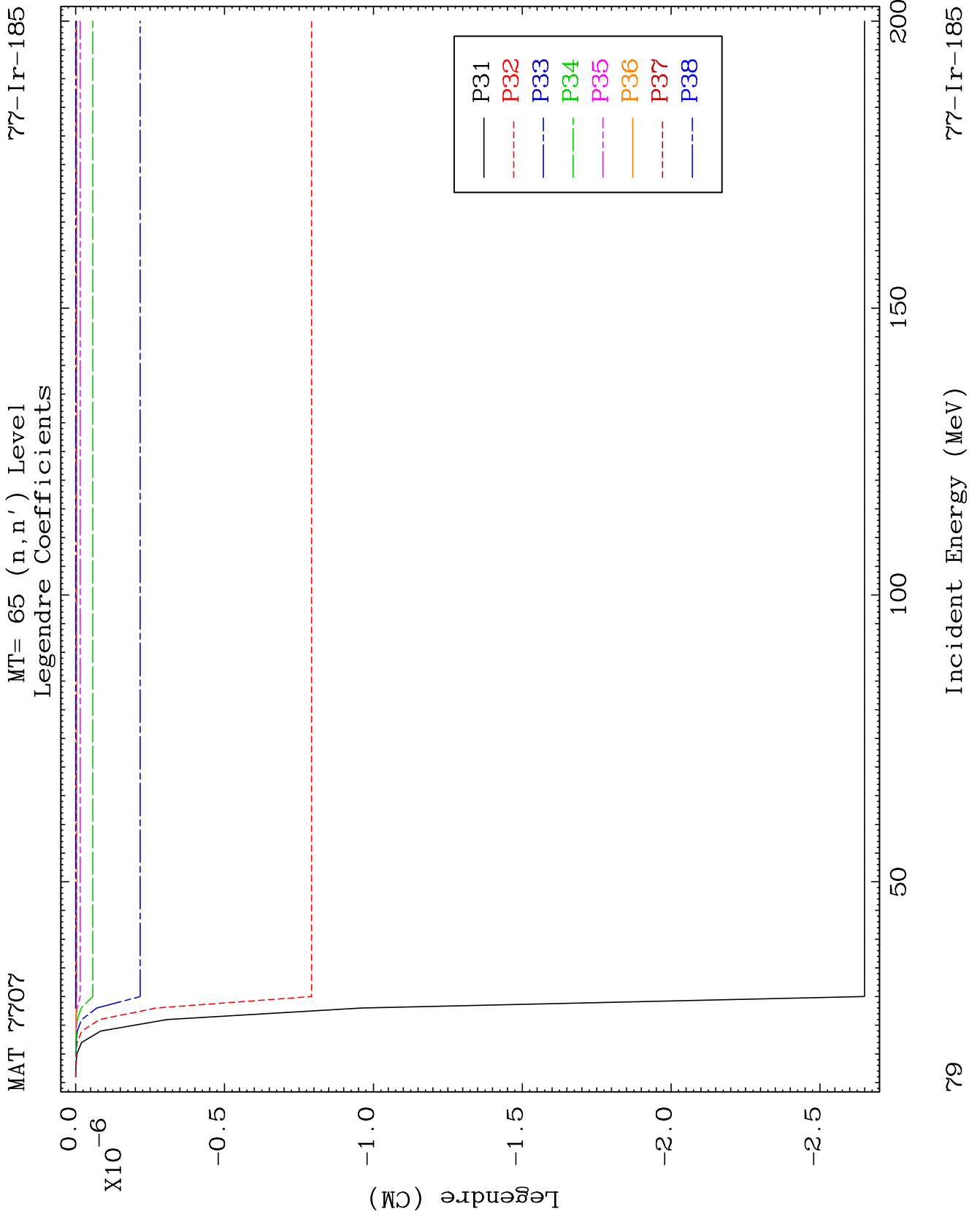
77-Ir-185







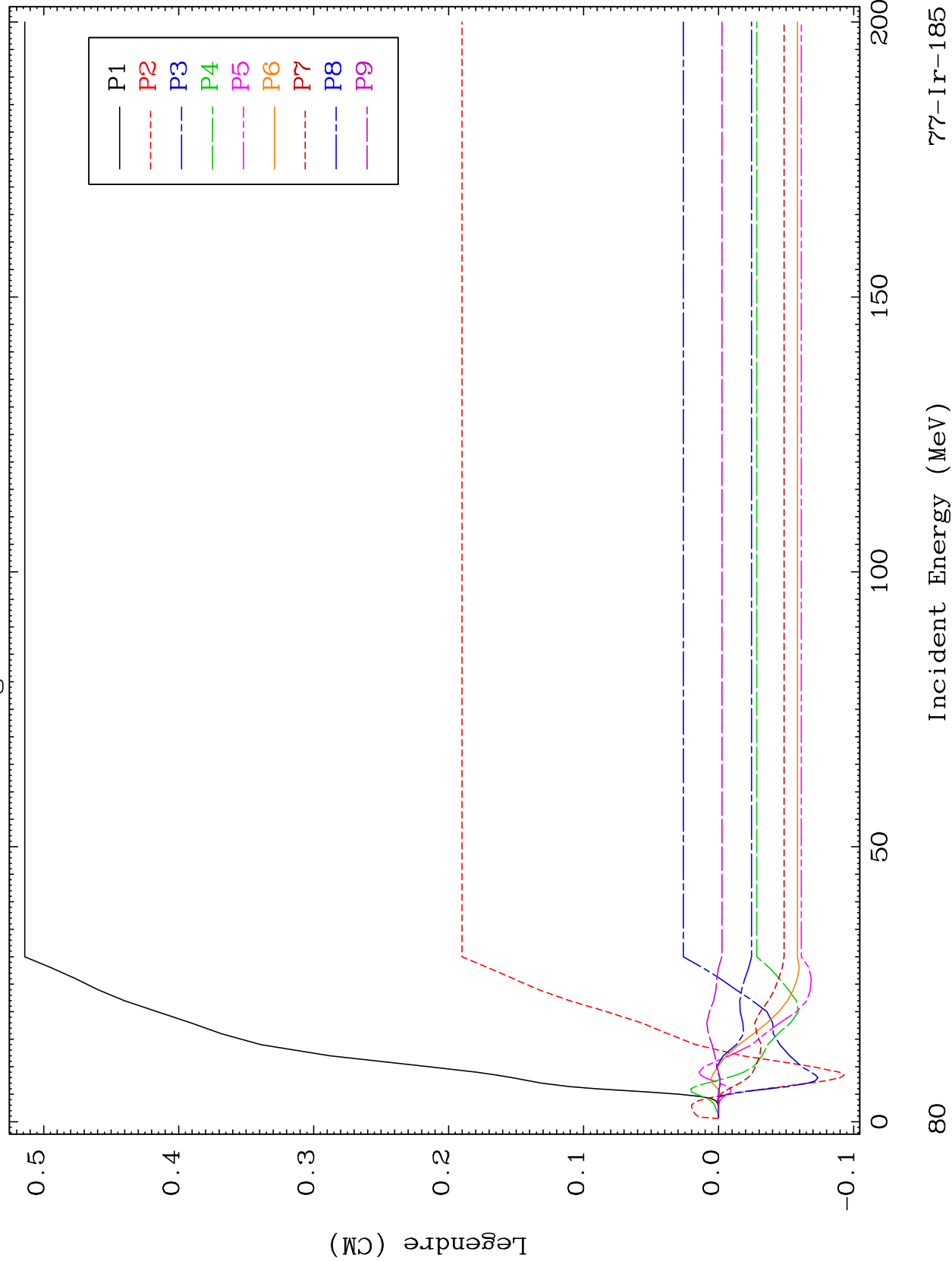




MAT 7707

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

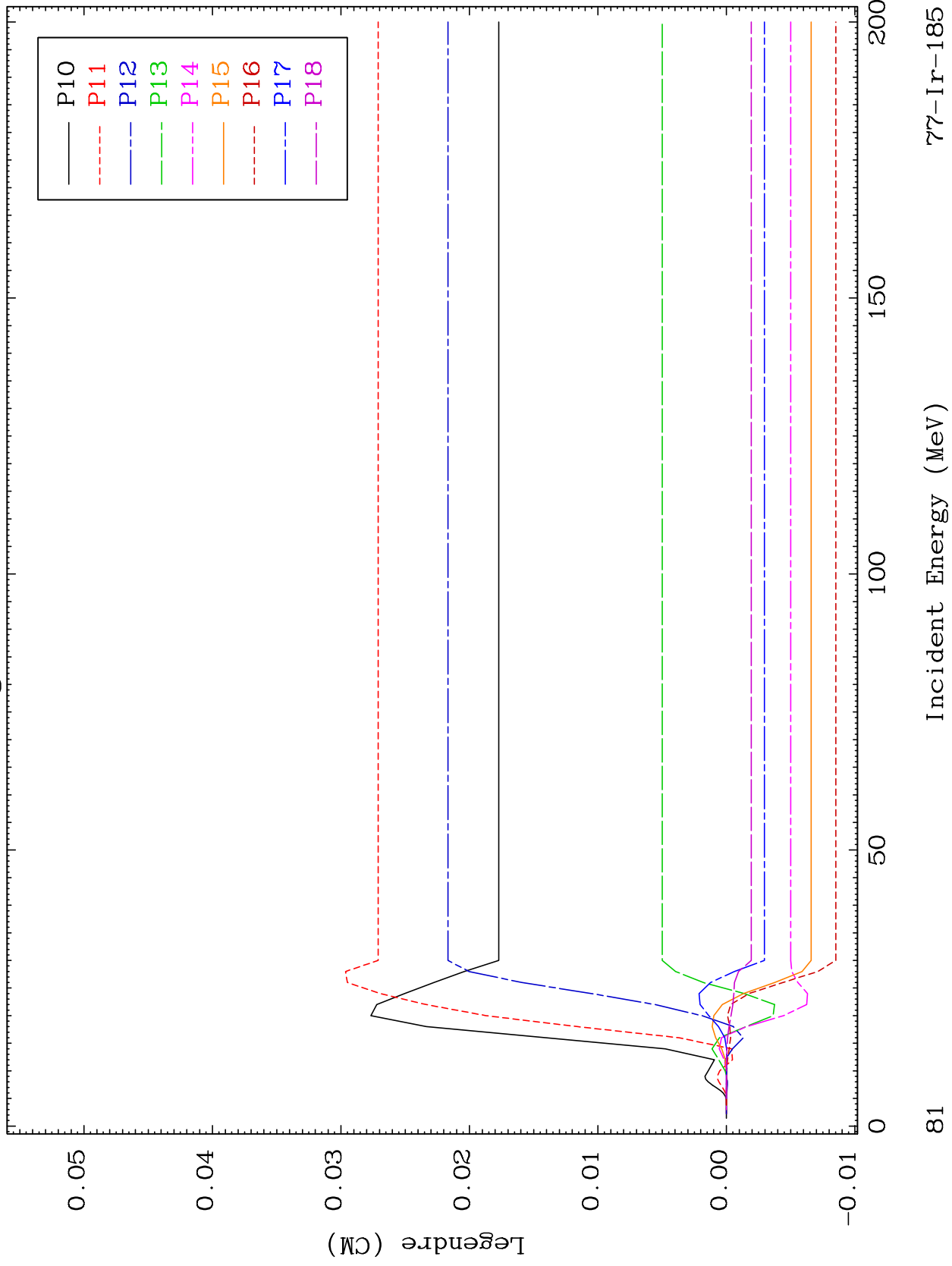
77-Ir-185



MAT 7707

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

77-Ir-185



81

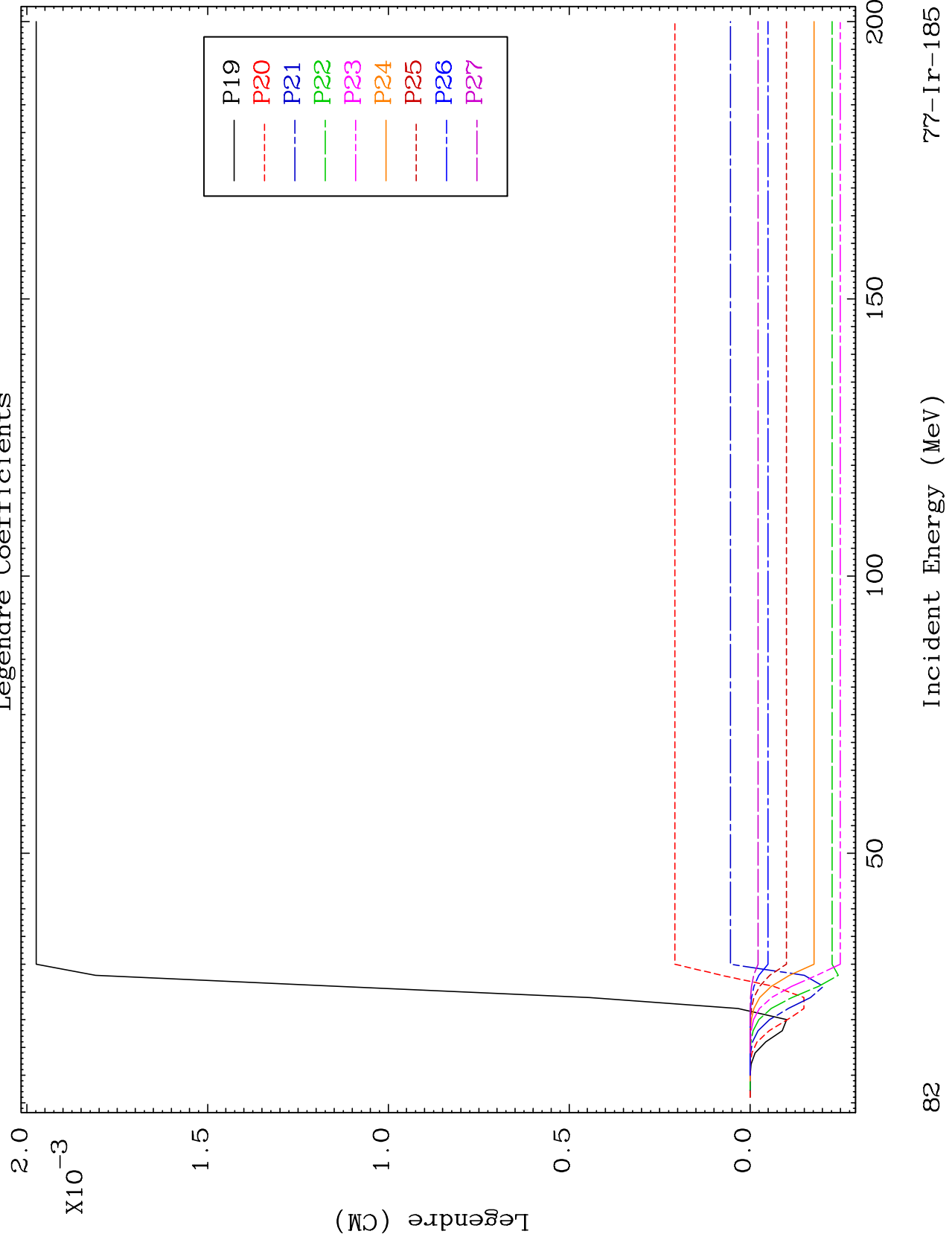
Incident Energy (MeV)

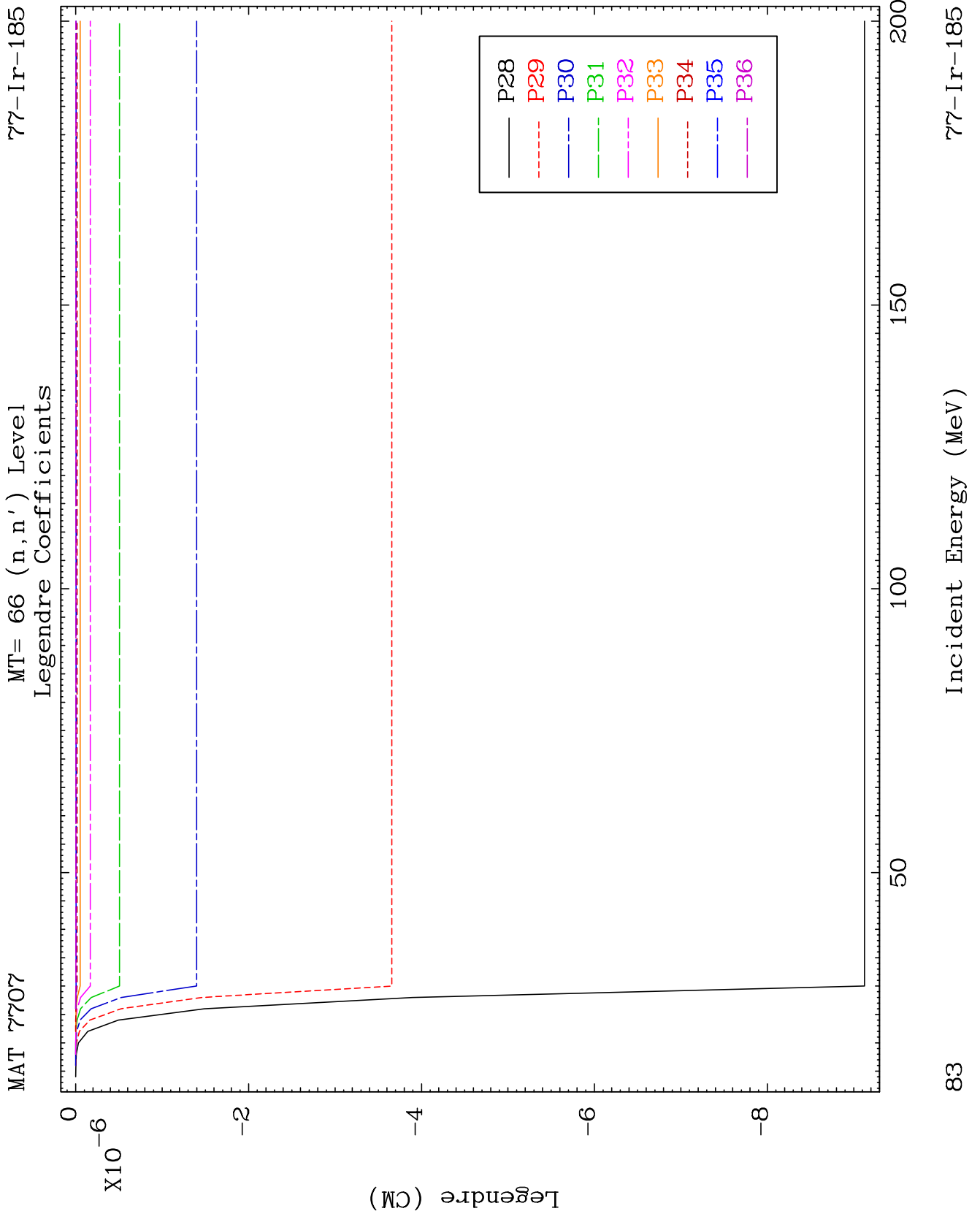
77-Ir-185

MAT 7707

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

77-Ir-185



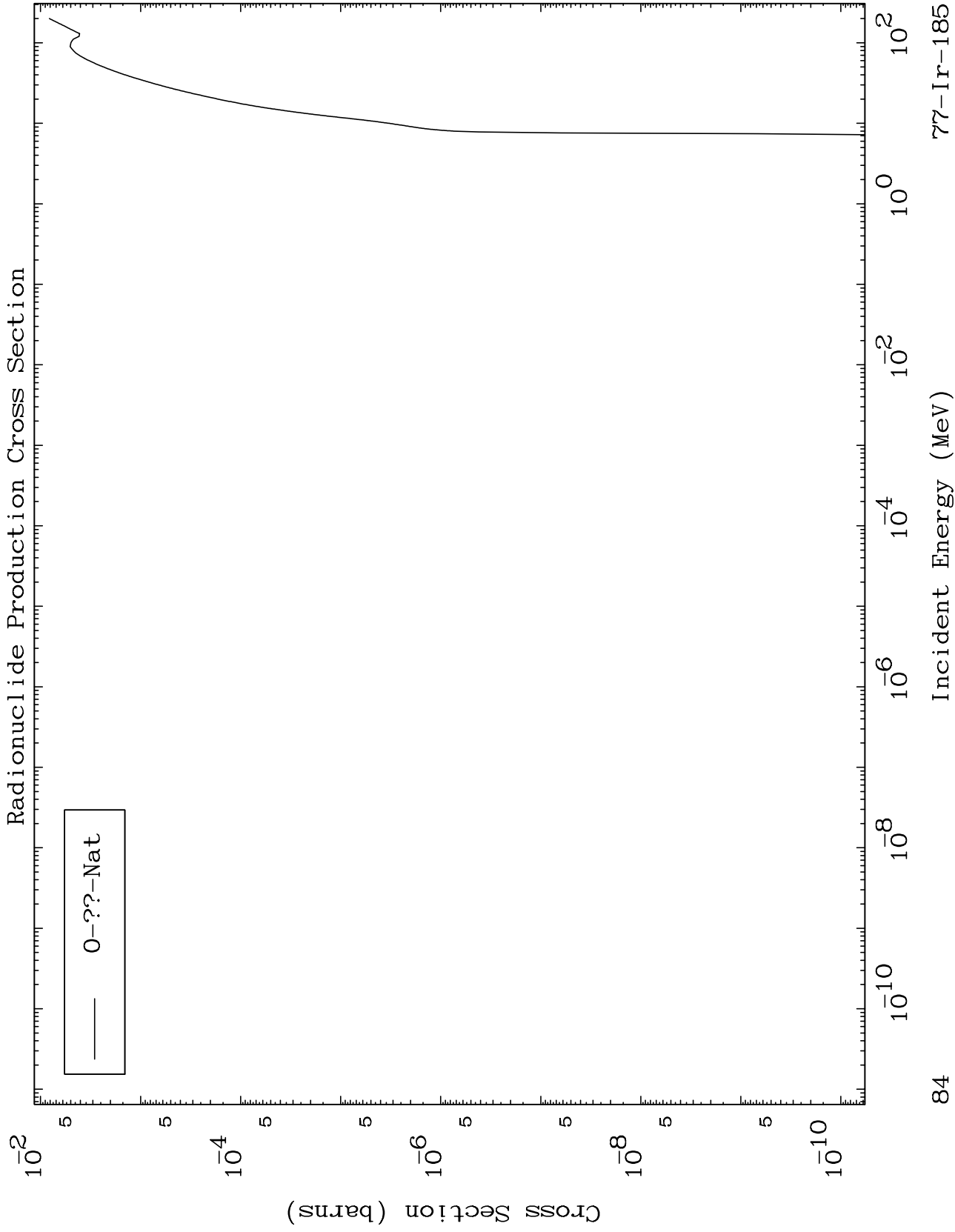


MAT 7707

Fission

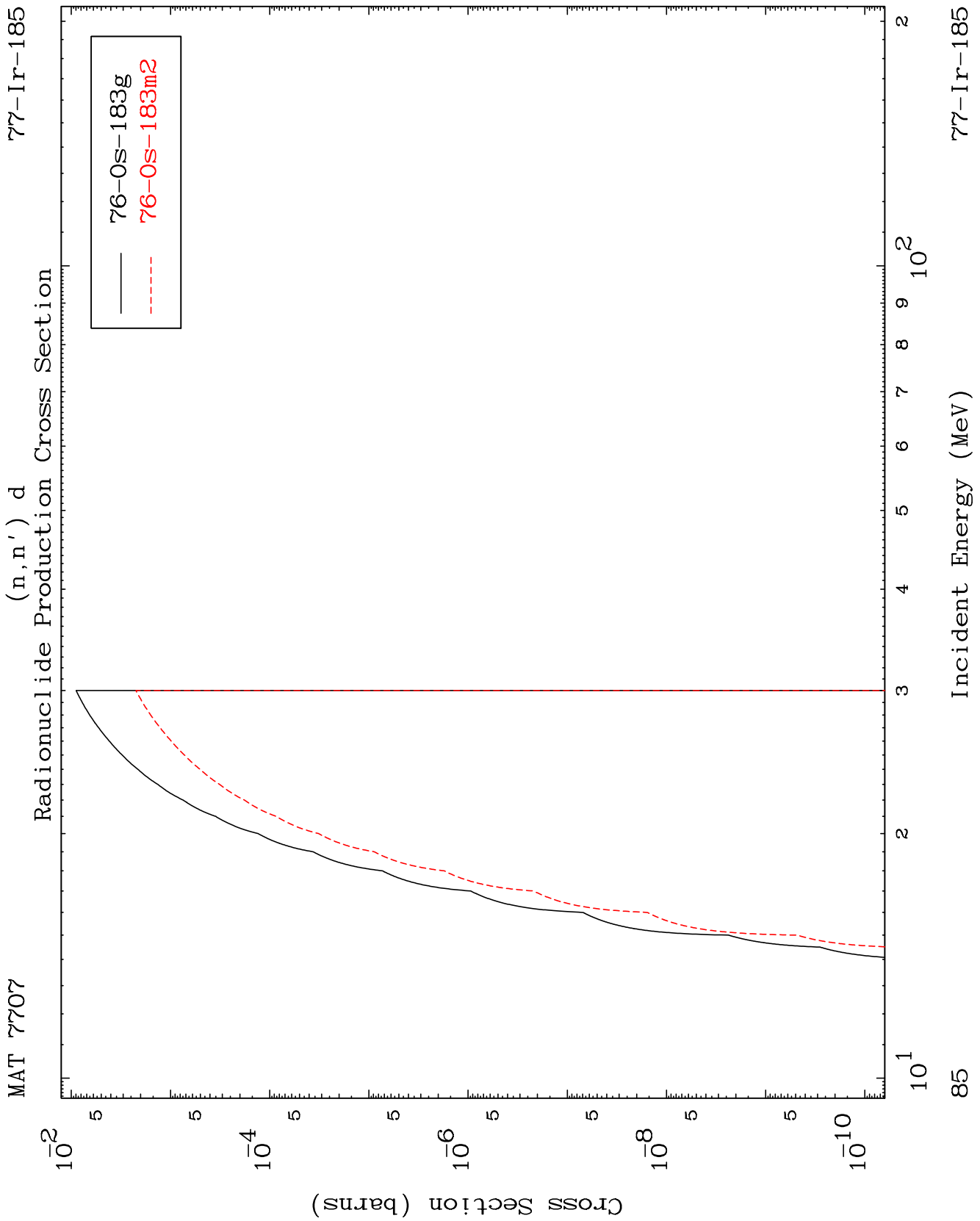
<sup>77</sup>Ir-185

Radionuclide Production Cross Section



84

<sup>77</sup>Ir-185

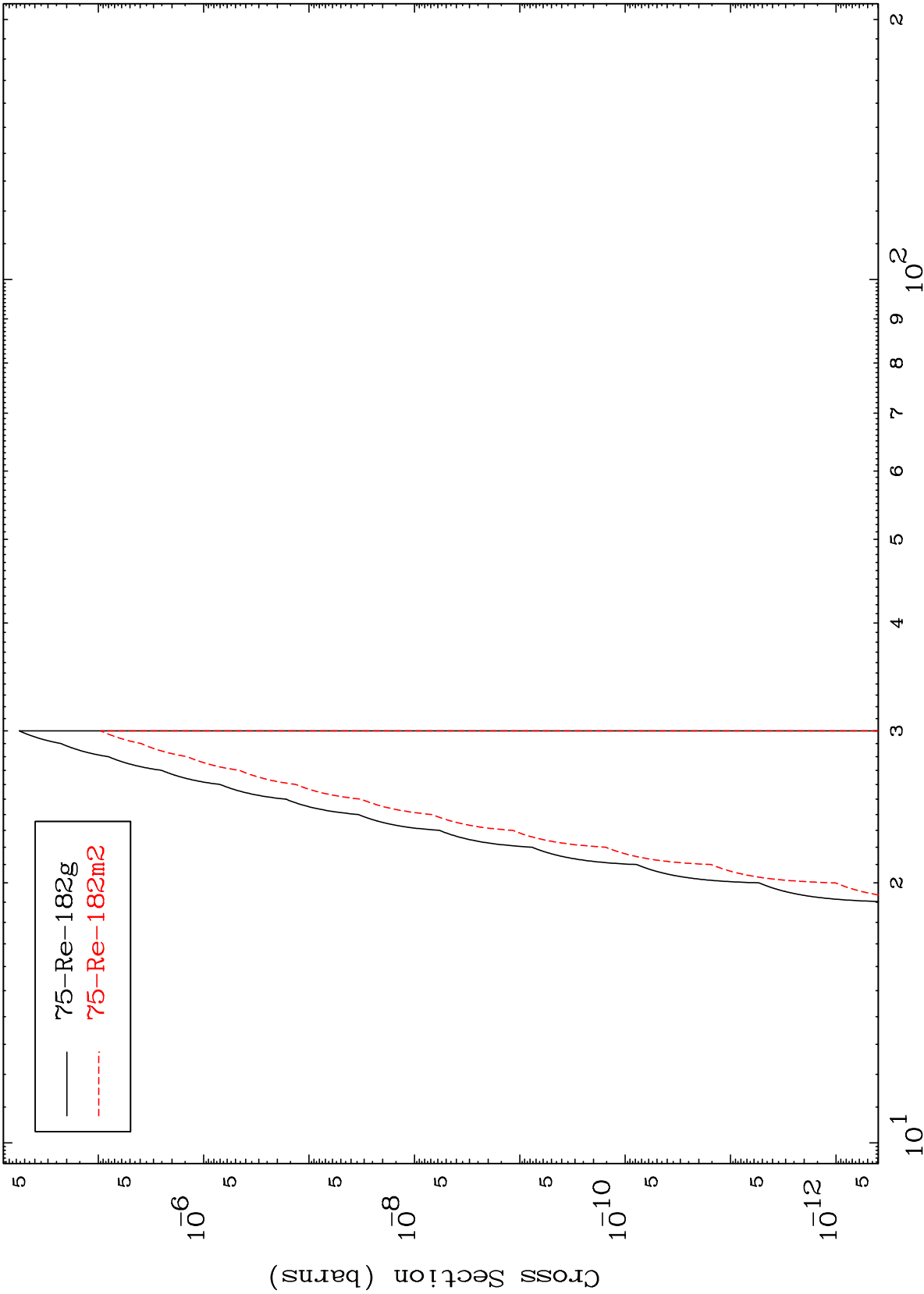


MAT 7707

(n,n') He-3

77-Ir-185

Radionuclide Production Cross Section



86

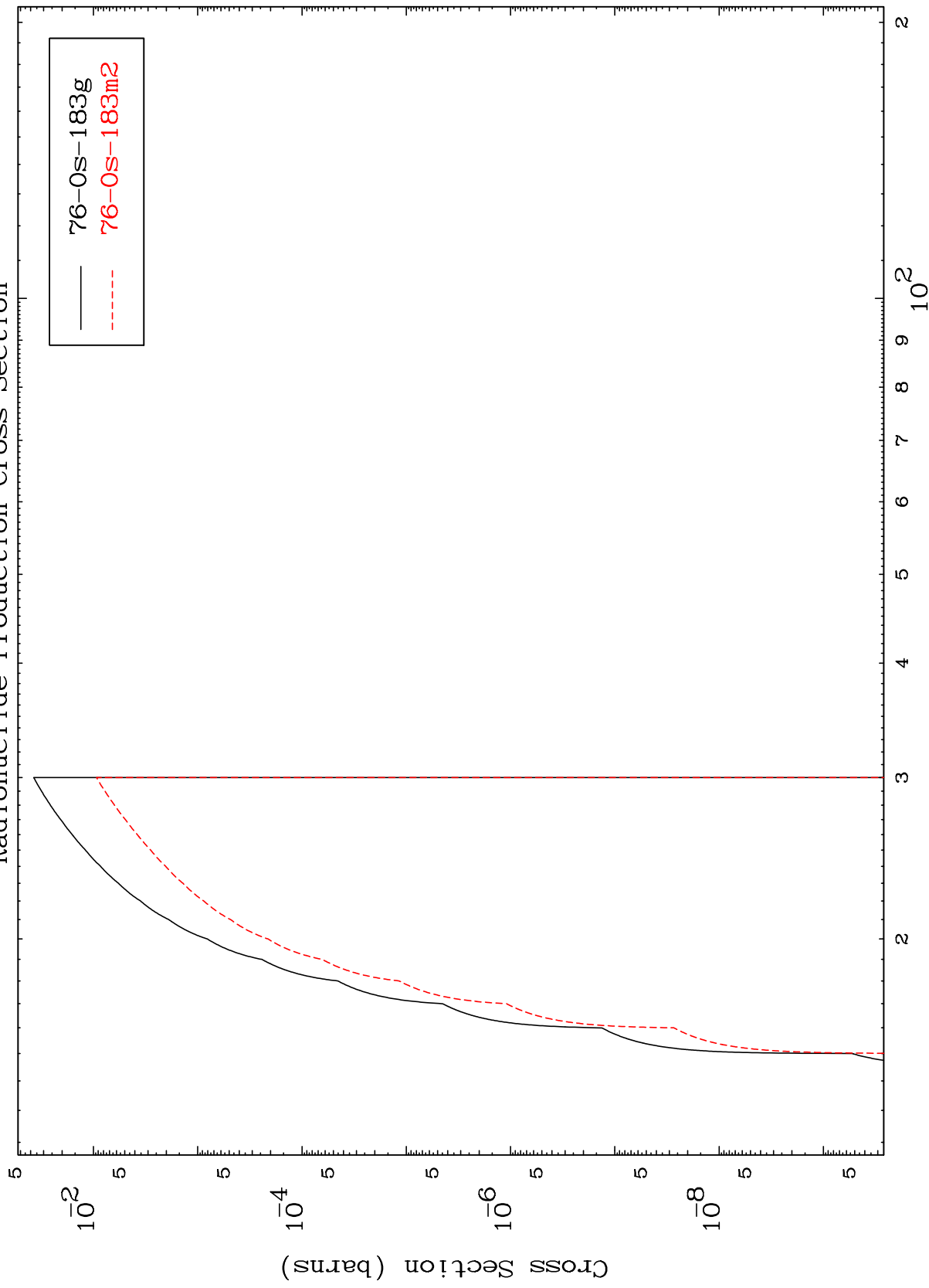
Incident Energy (MeV)

77-Ir-185

MAT 7707

77-Ir-185

(n,2n) p  
Radionuclide Production Cross Section



87

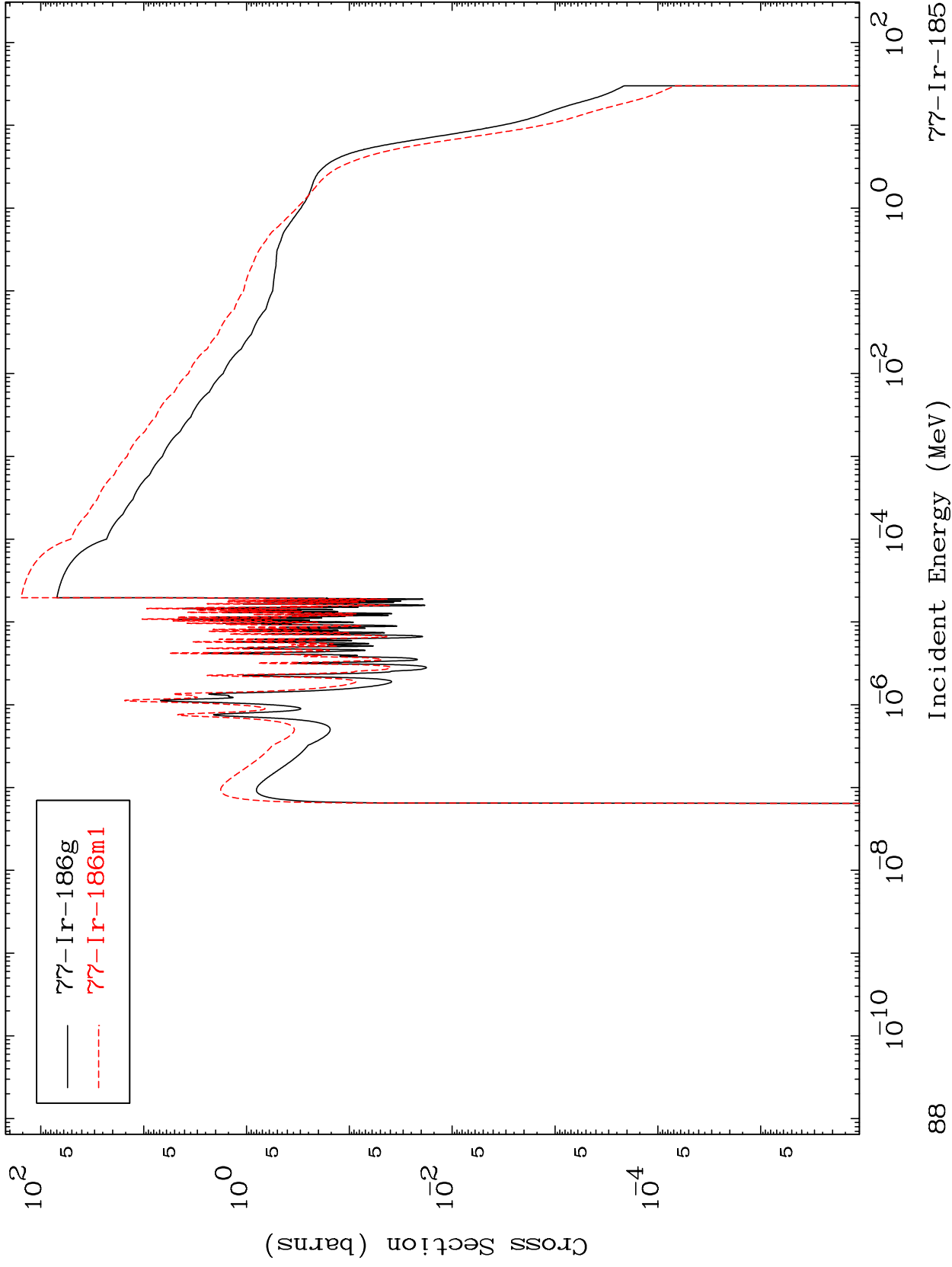
Incident Energy (MeV)

77-Ir-185

MAT 7707

77-Ir-185

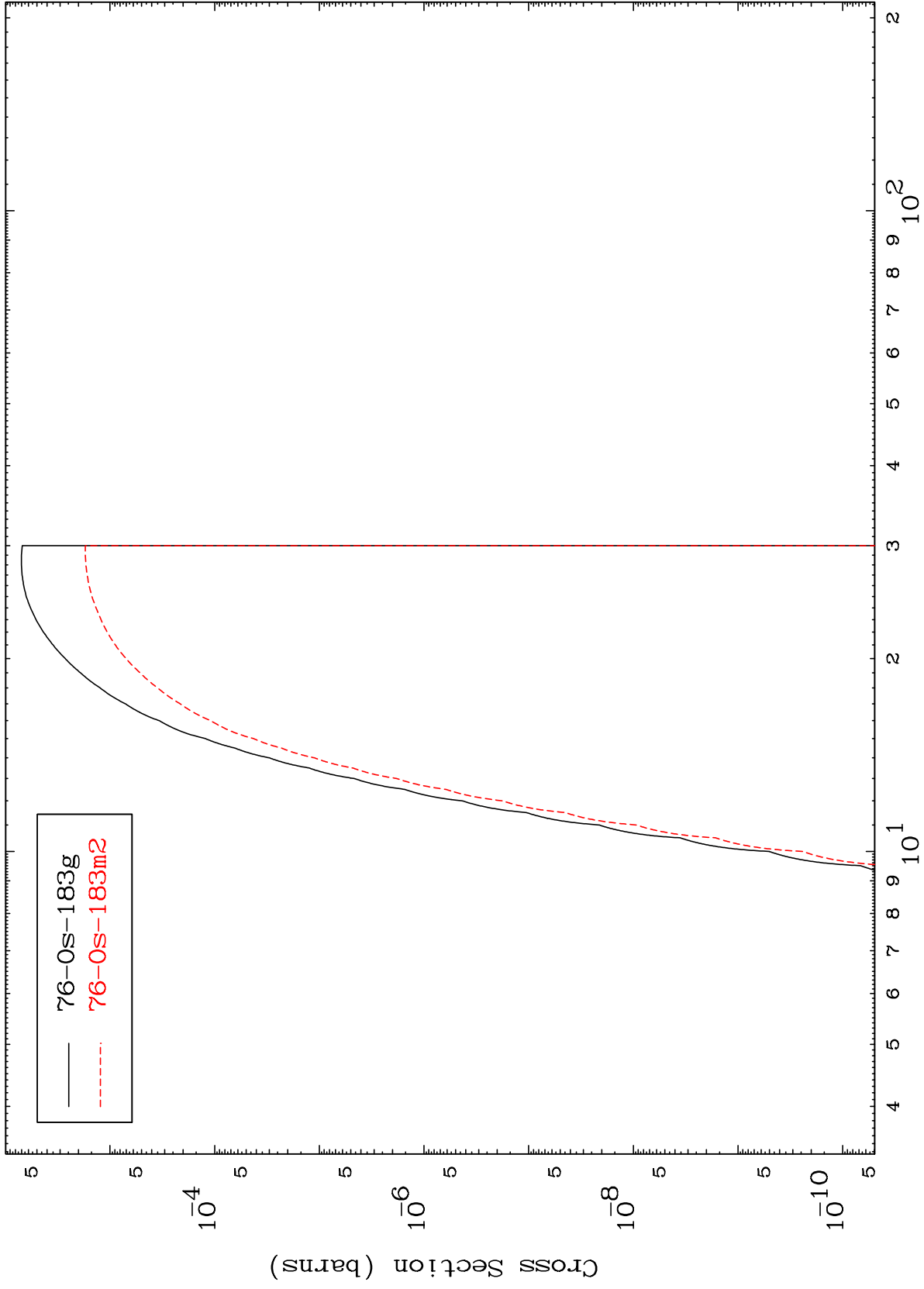
Radionuclide Production Cross Section (n,γ)



MAT 7707

77-Ir-185

Radionuclide Production Cross Section



89

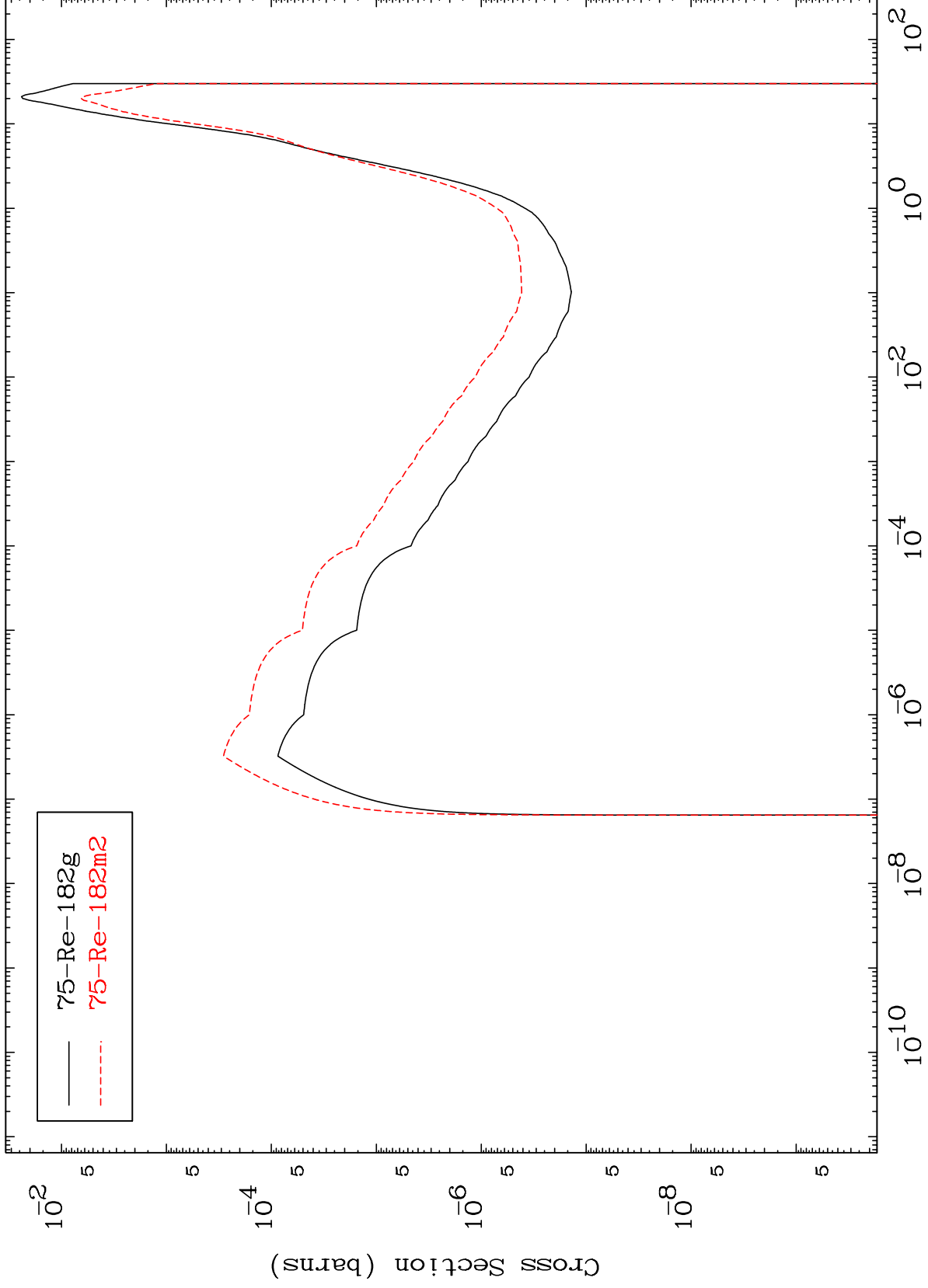
Incident Energy (MeV)

77-Ir-185

MAT 7707

77-Ir-185

(n,α)  
Radionuclide Production Cross Section



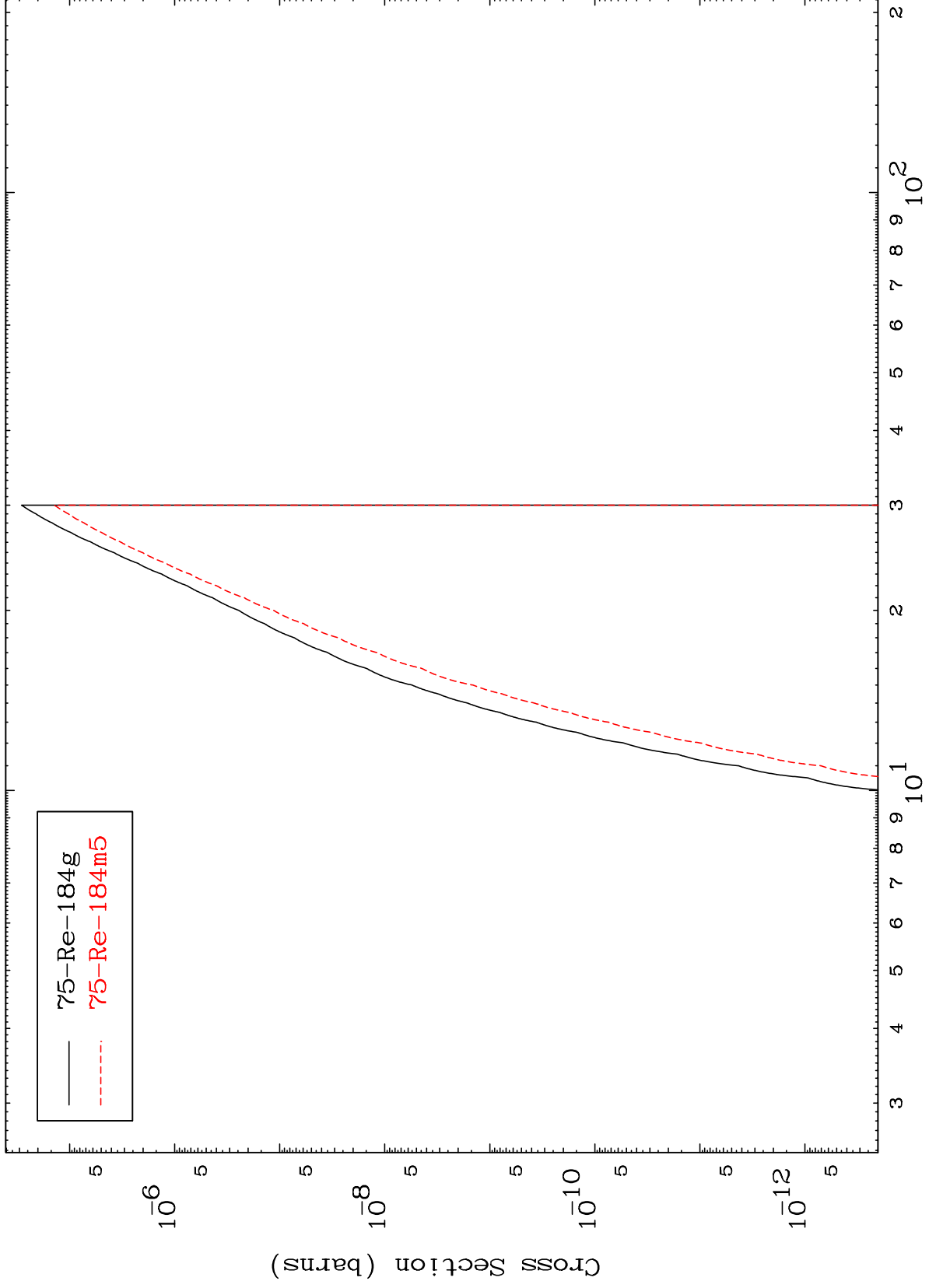
90

77-Ir-185

MAT 7707

<sup>77</sup>Ir-185

(n,2p)  
Radionuclide Production Cross Section



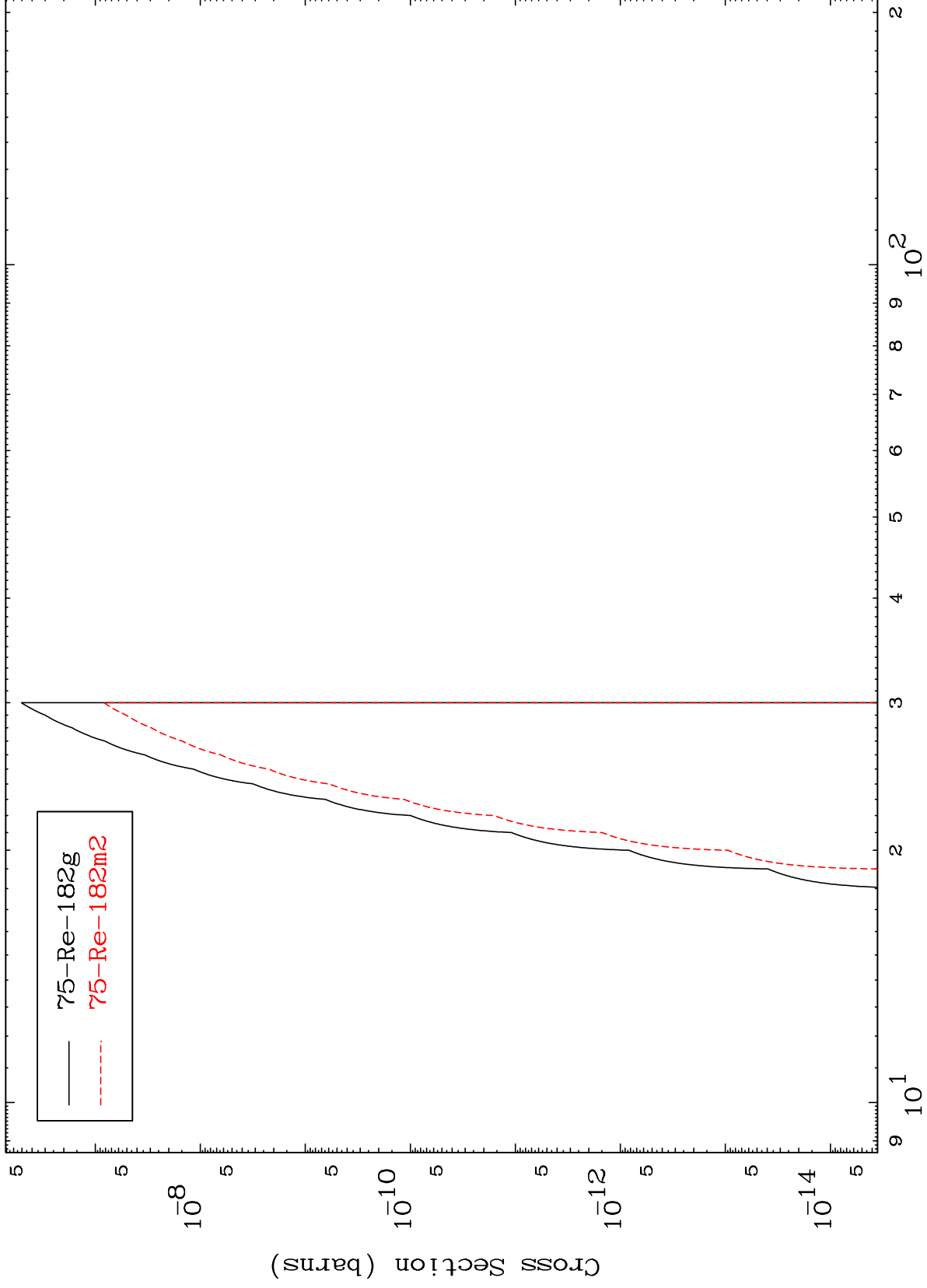
— 75-Re-184g  
- - - 75-Re-184m5

MAT 7707

(n,p) t

77-Ir-185

Radionuclide Production Cross Section



75-Re-182g  
75-Re-182m2

92

Incident Energy (MeV)

77-Ir-185