

Program EVALPLOT  
(Version 2021-1)

by

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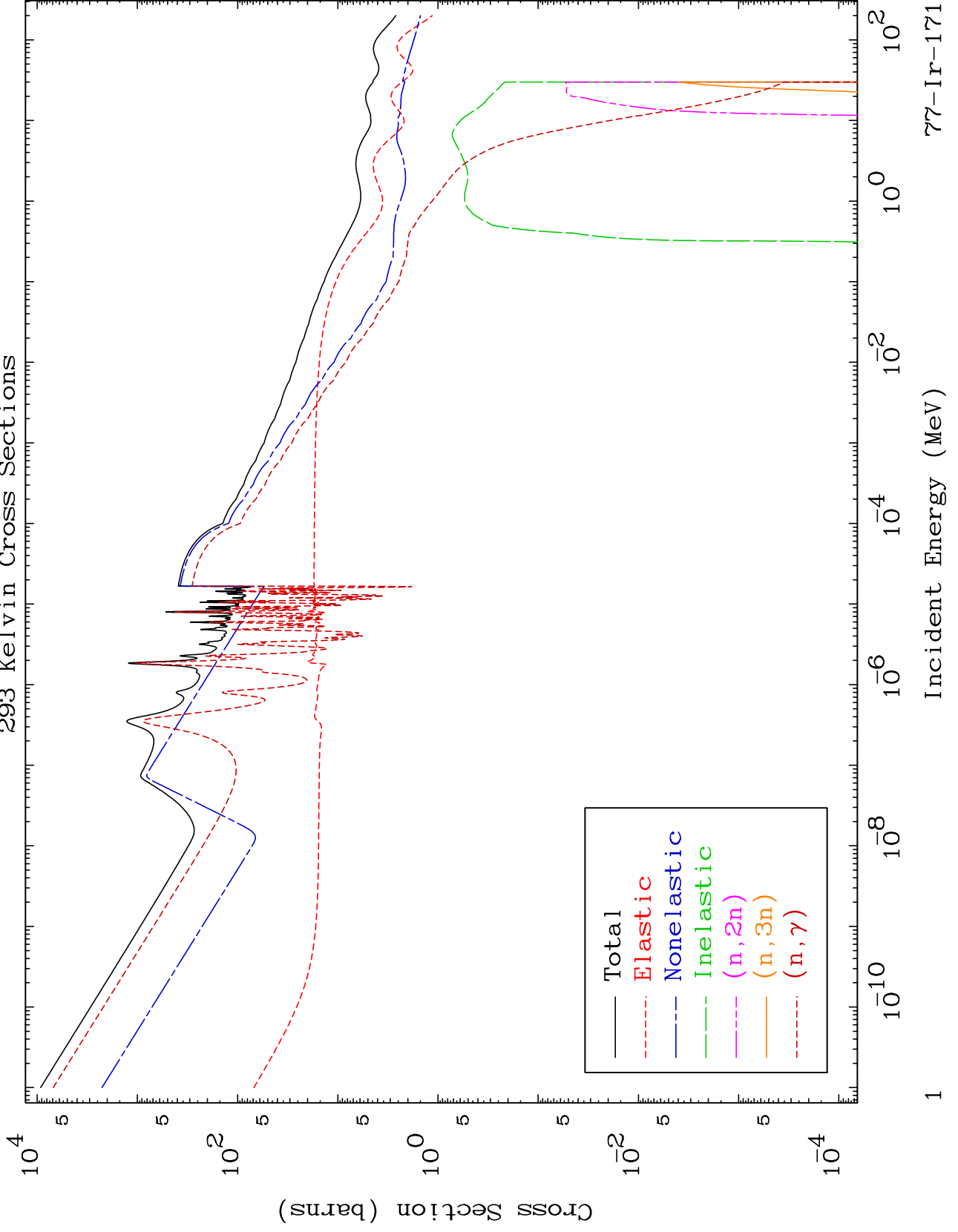
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7665

Neutron Major  
293 Kelvin Cross Sections

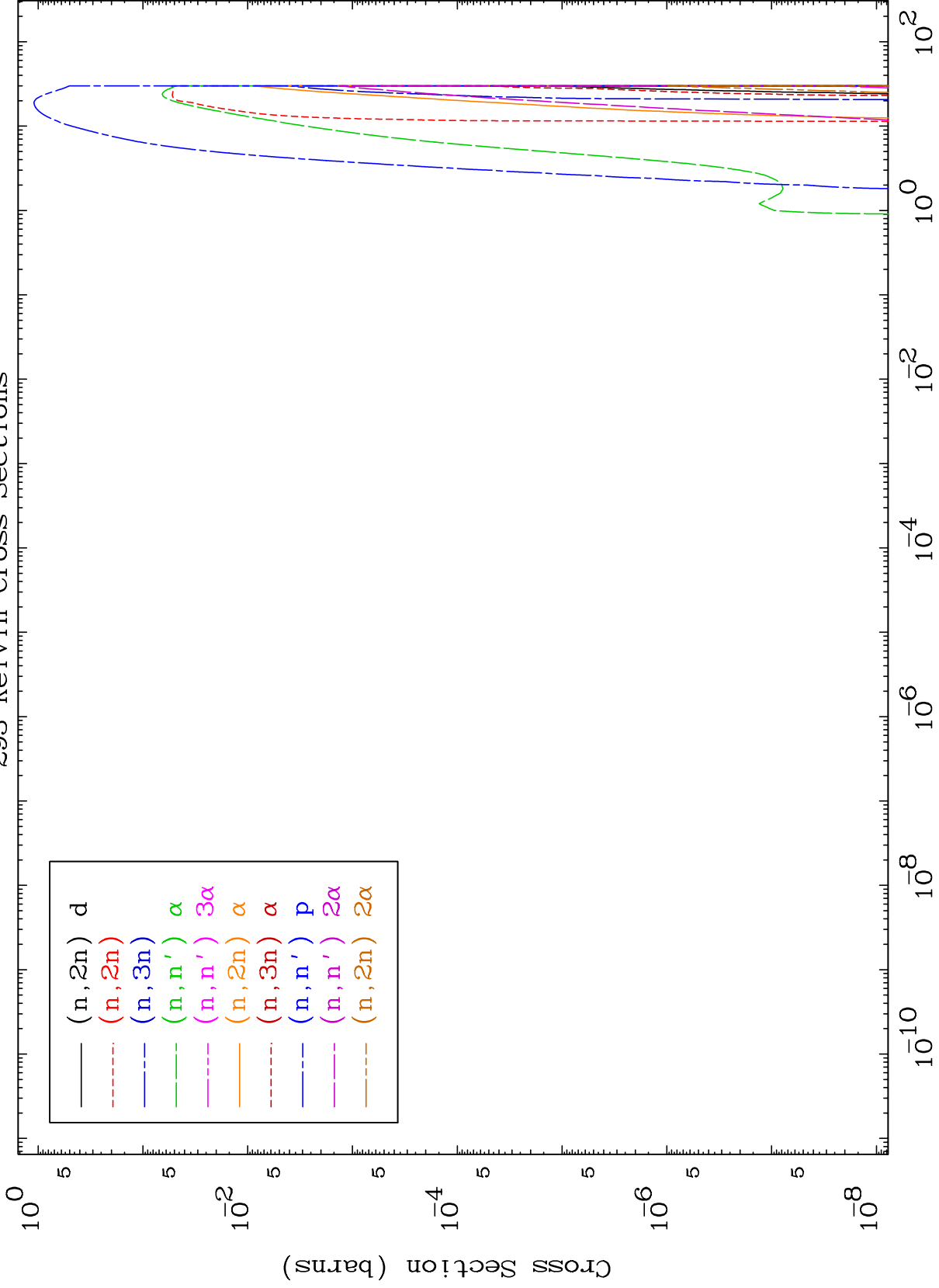
77-Ir-171

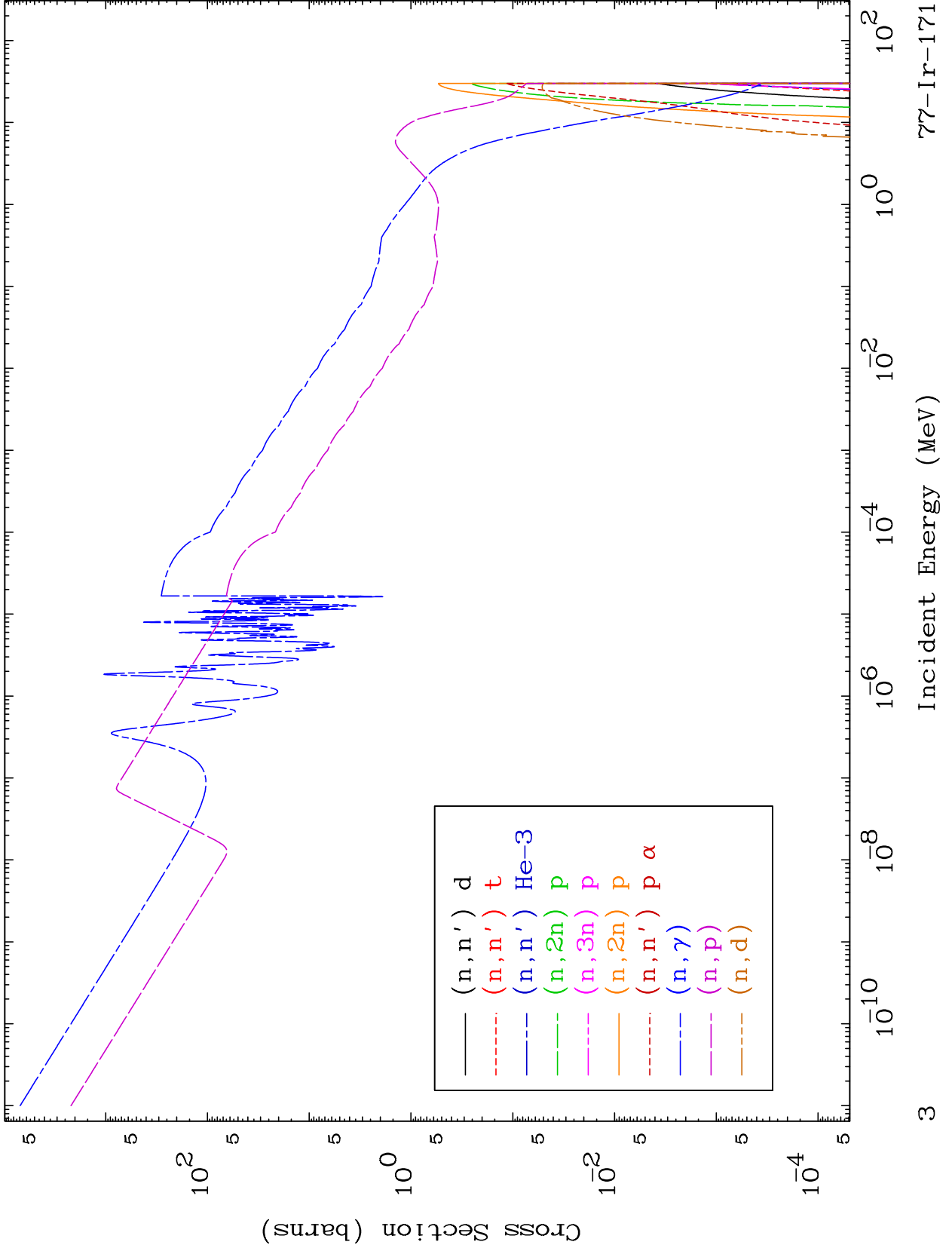


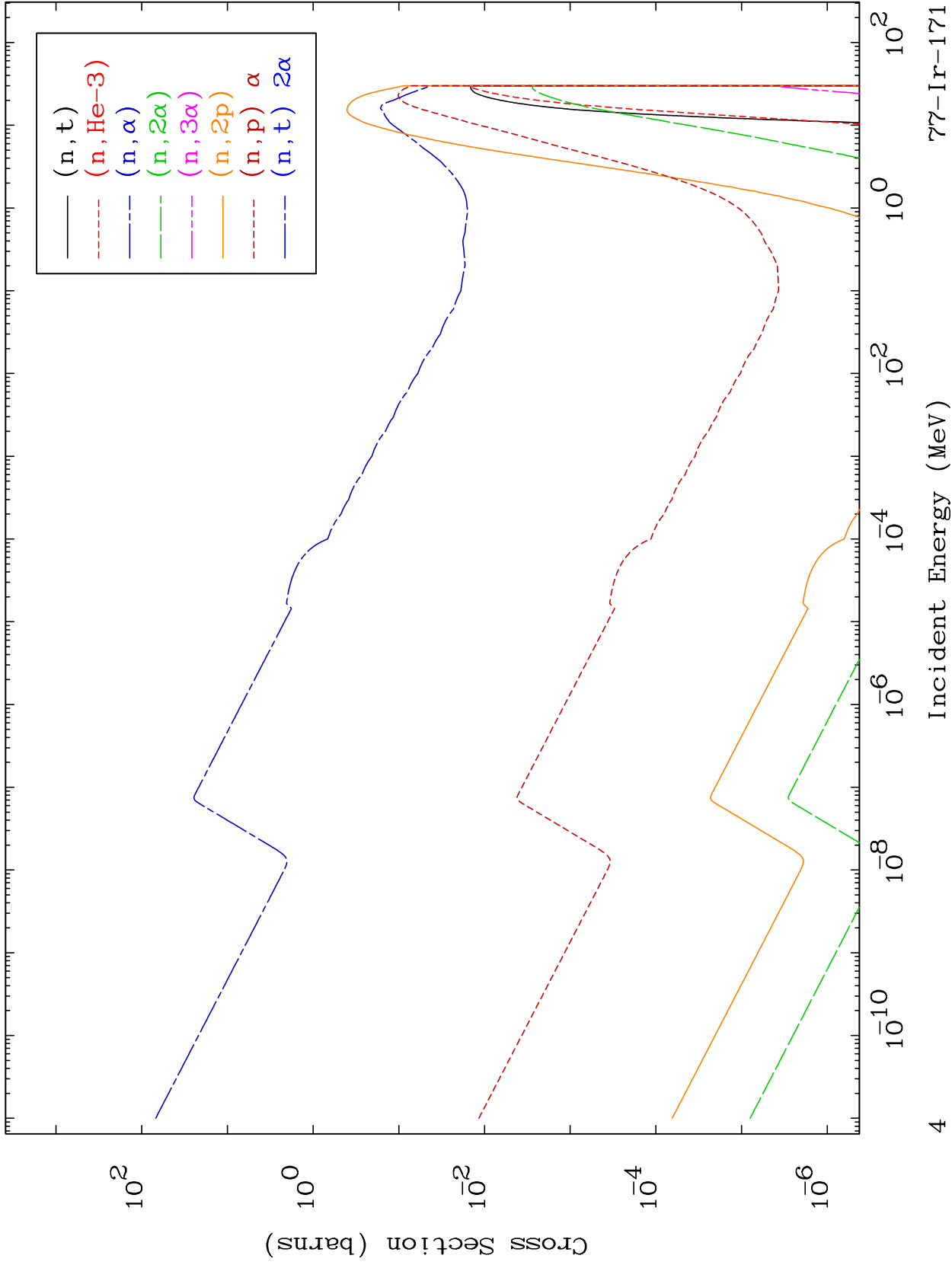
MAT 7665

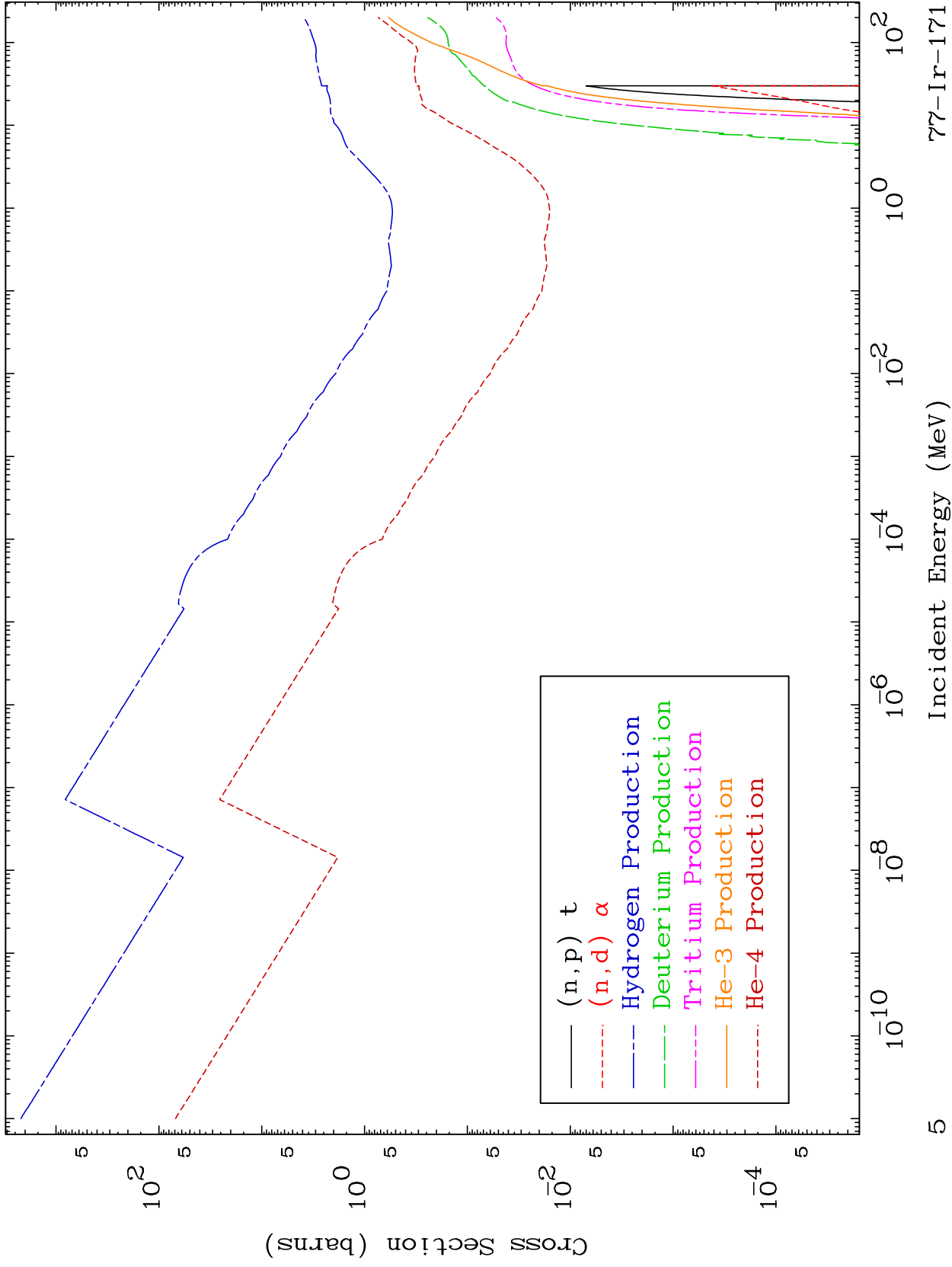
Neutron Absorption  
293 Kelvin Cross Sections

<sup>77</sup>Ir-171





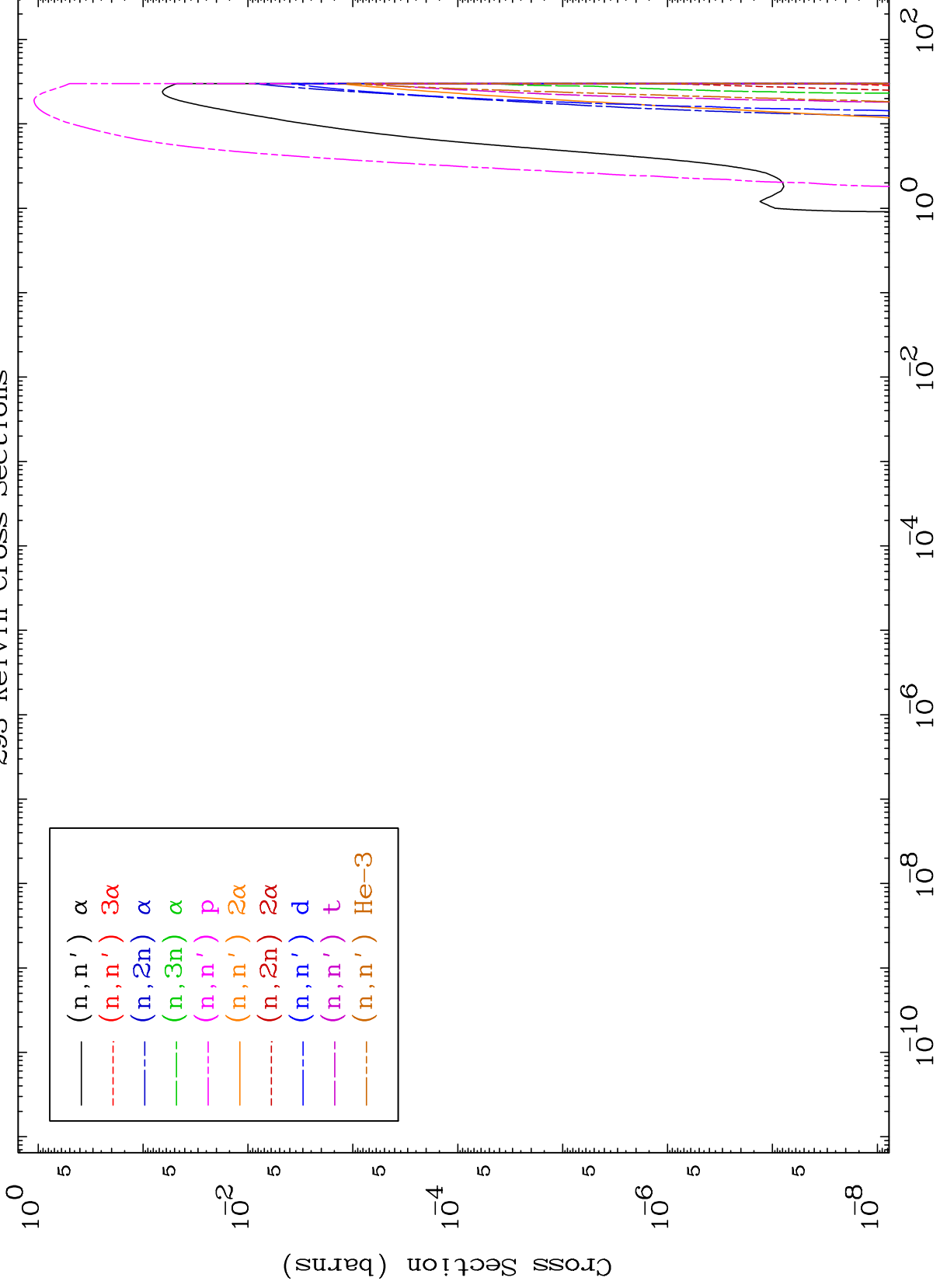


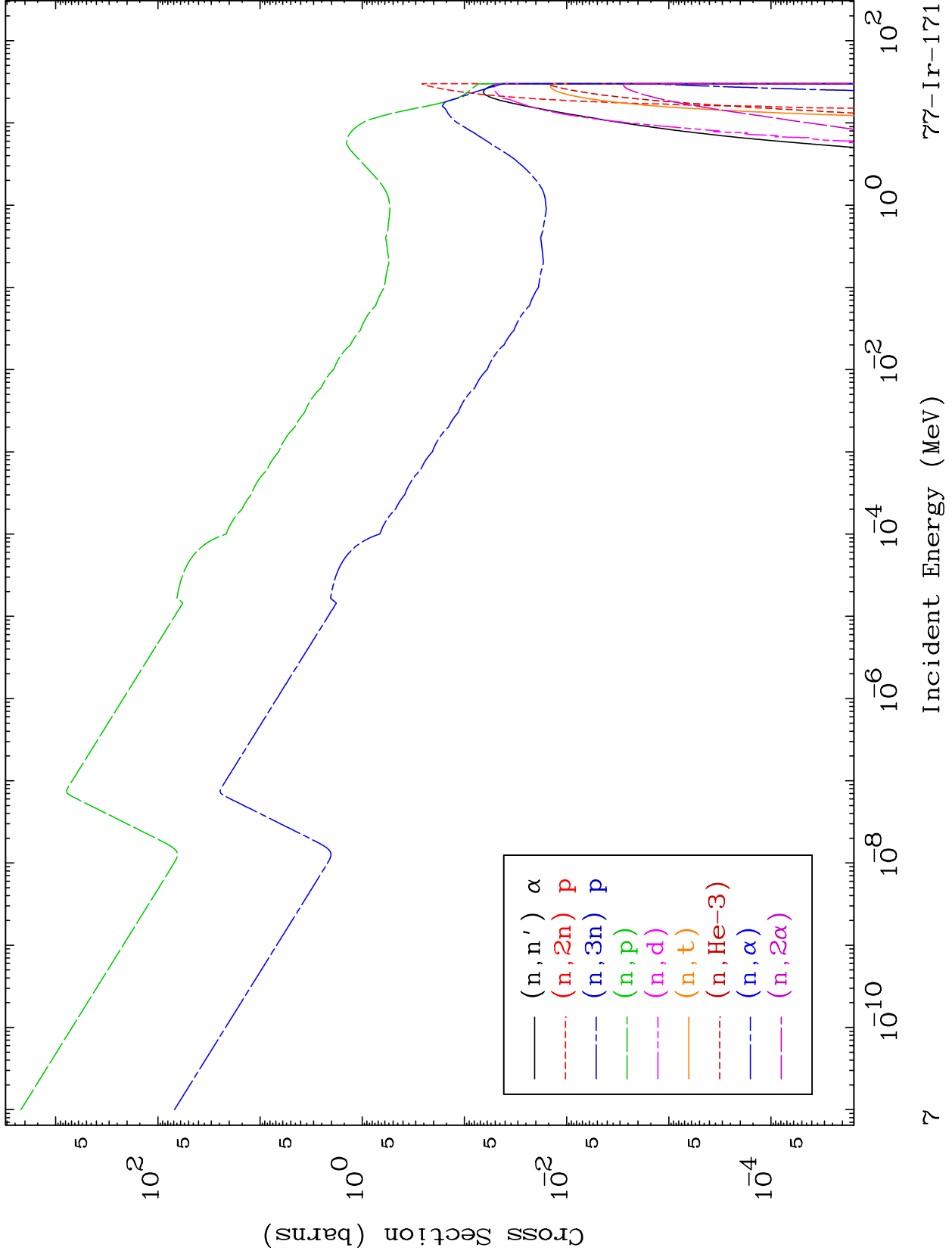


MAT 7665

Charged Particle  
293 Kelvin Cross Sections

77-Ir-171



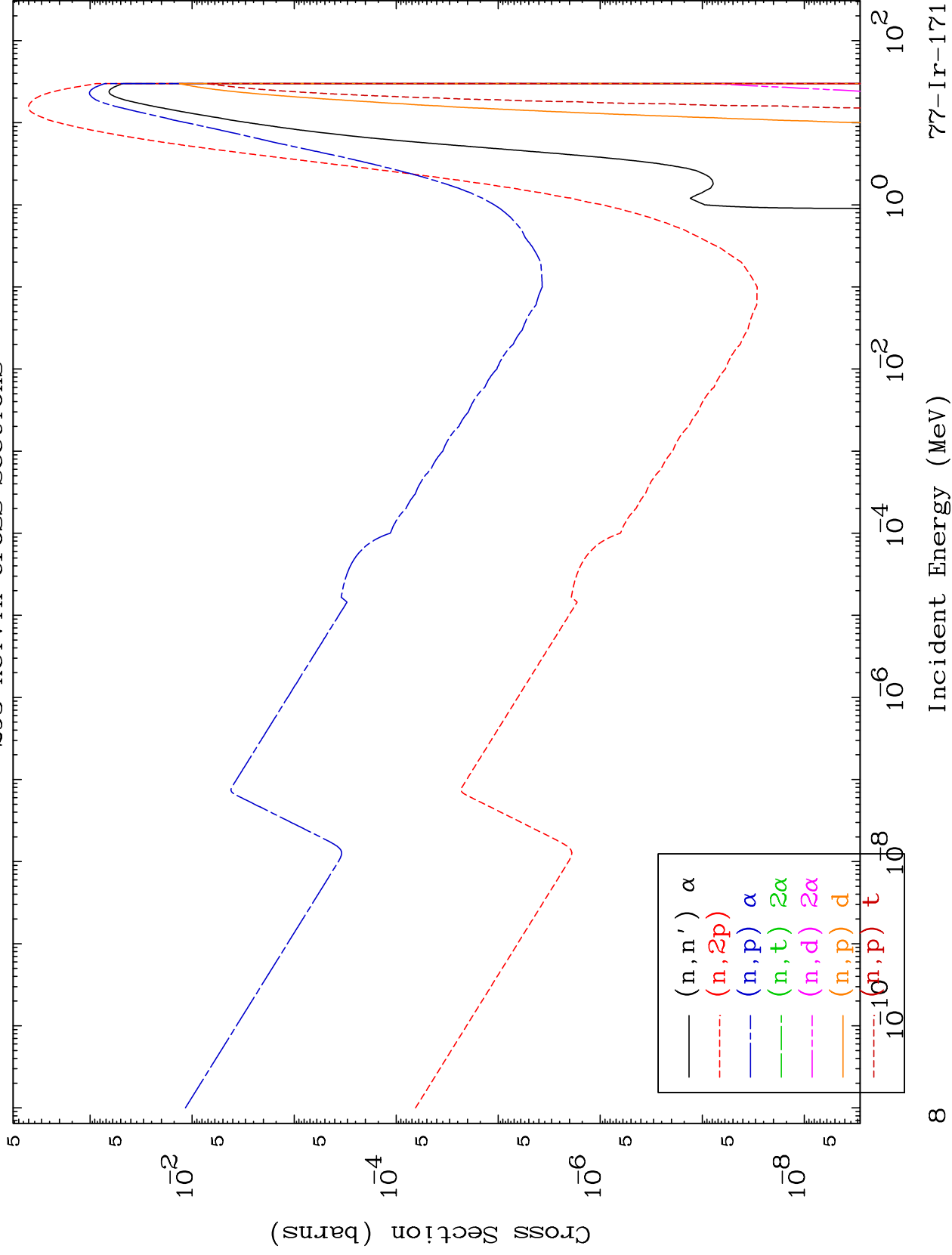


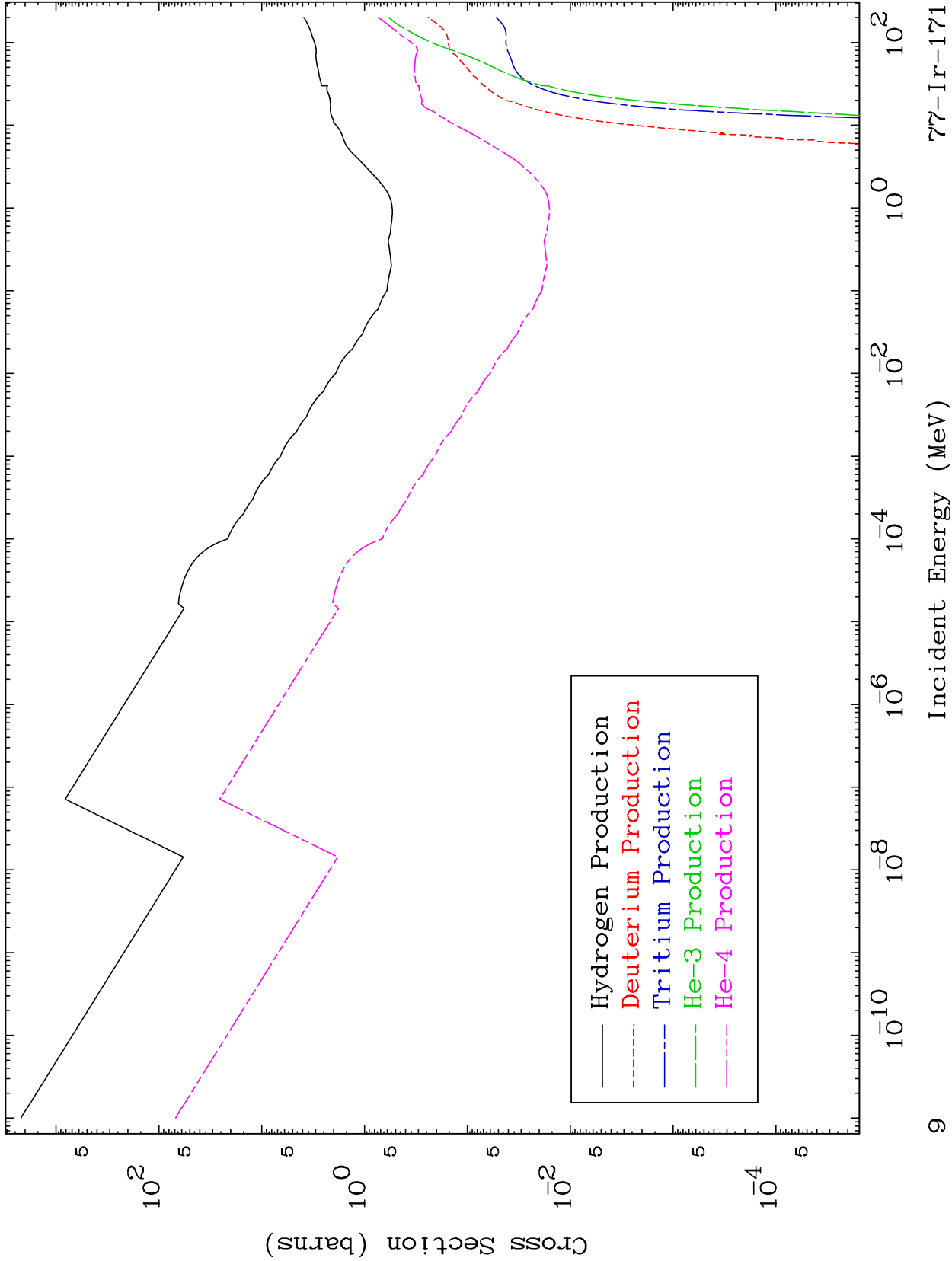


MAT 7665

Charged Particle  
293 Kelvin Cross Sections

77-Ir-171



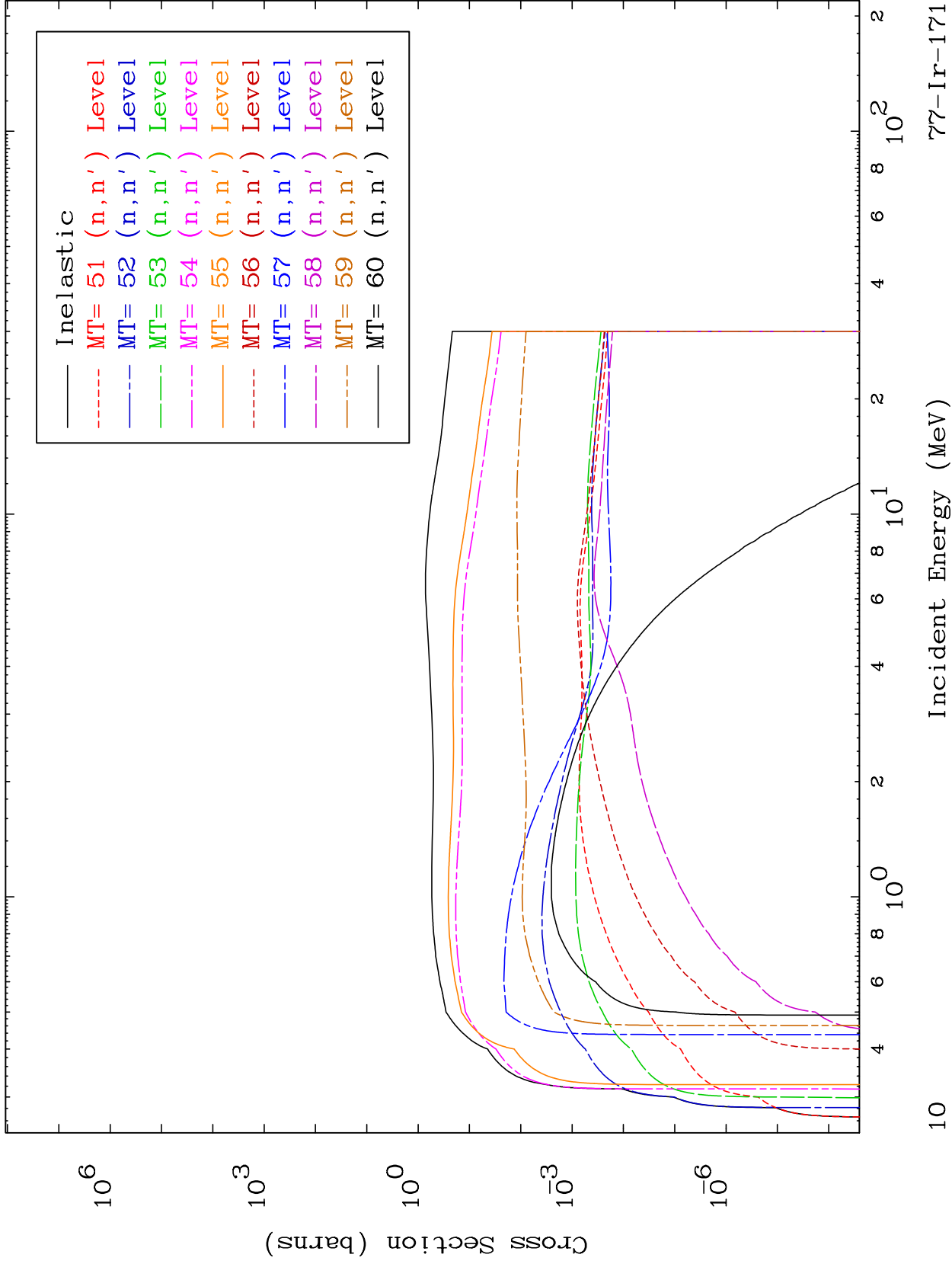


MAT 7665

(n,n') Levels

77-Ir-171

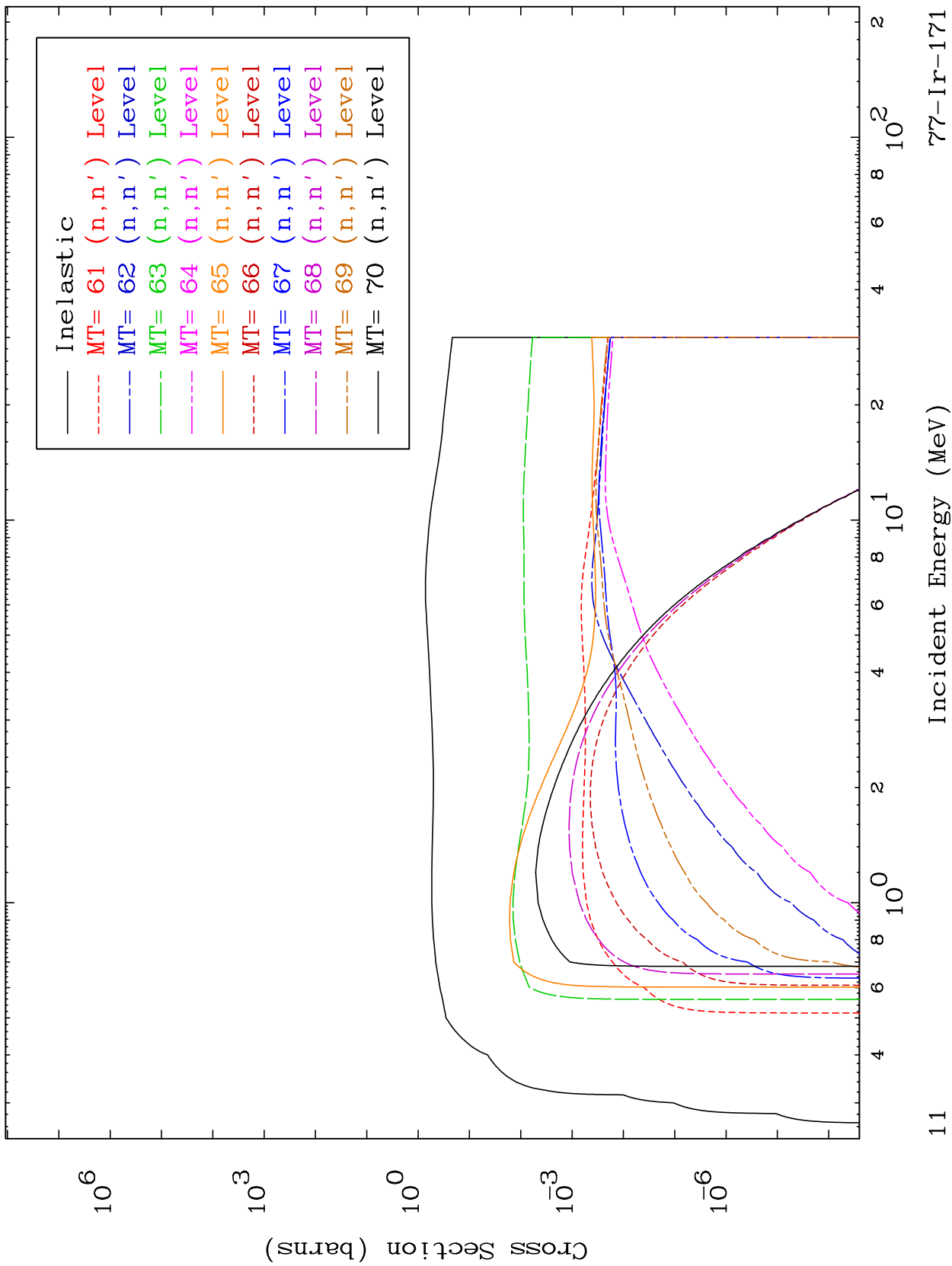
293 Kelvin Cross Sections



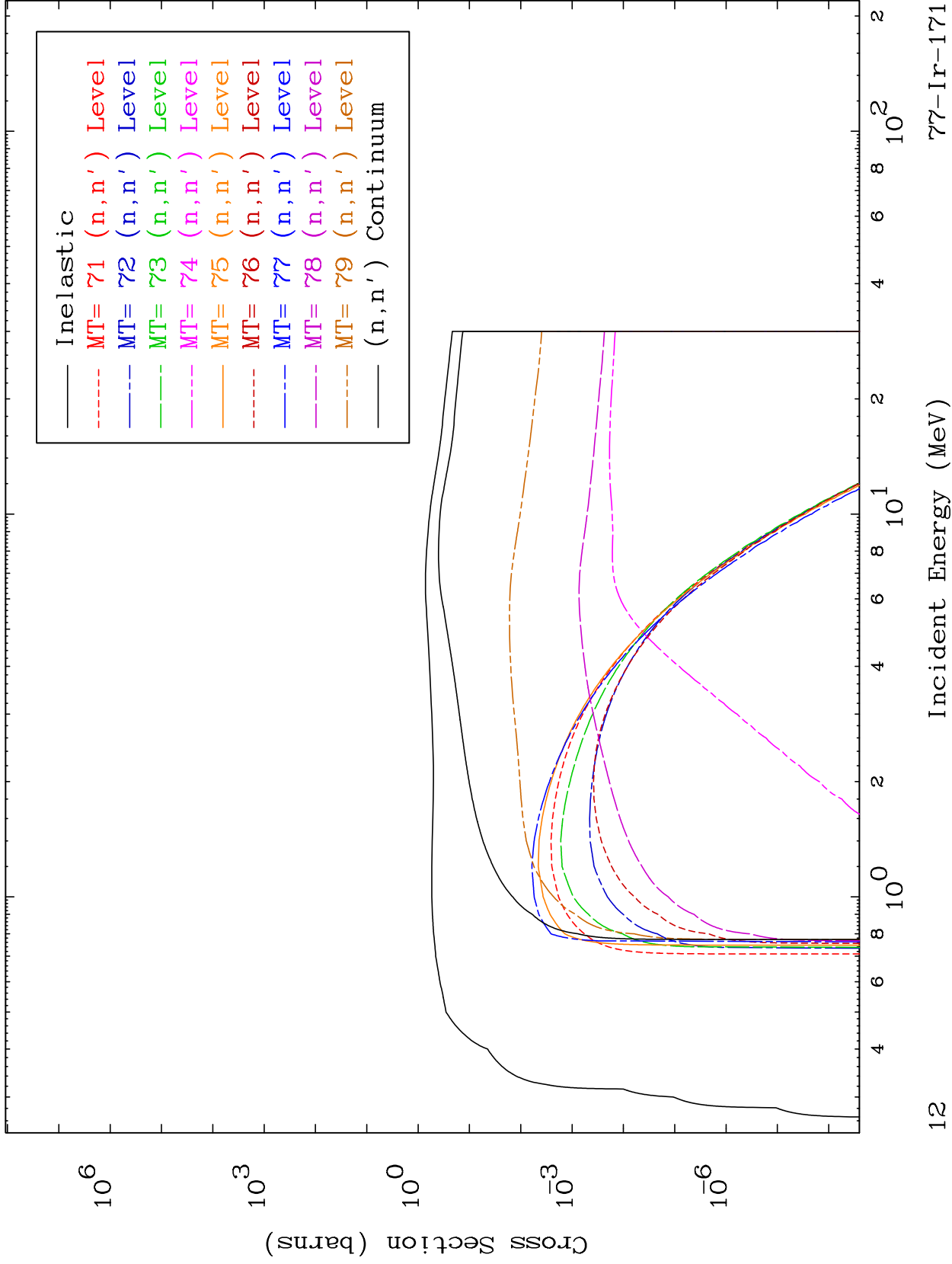
10

Incident Energy (MeV)

77-Ir-171



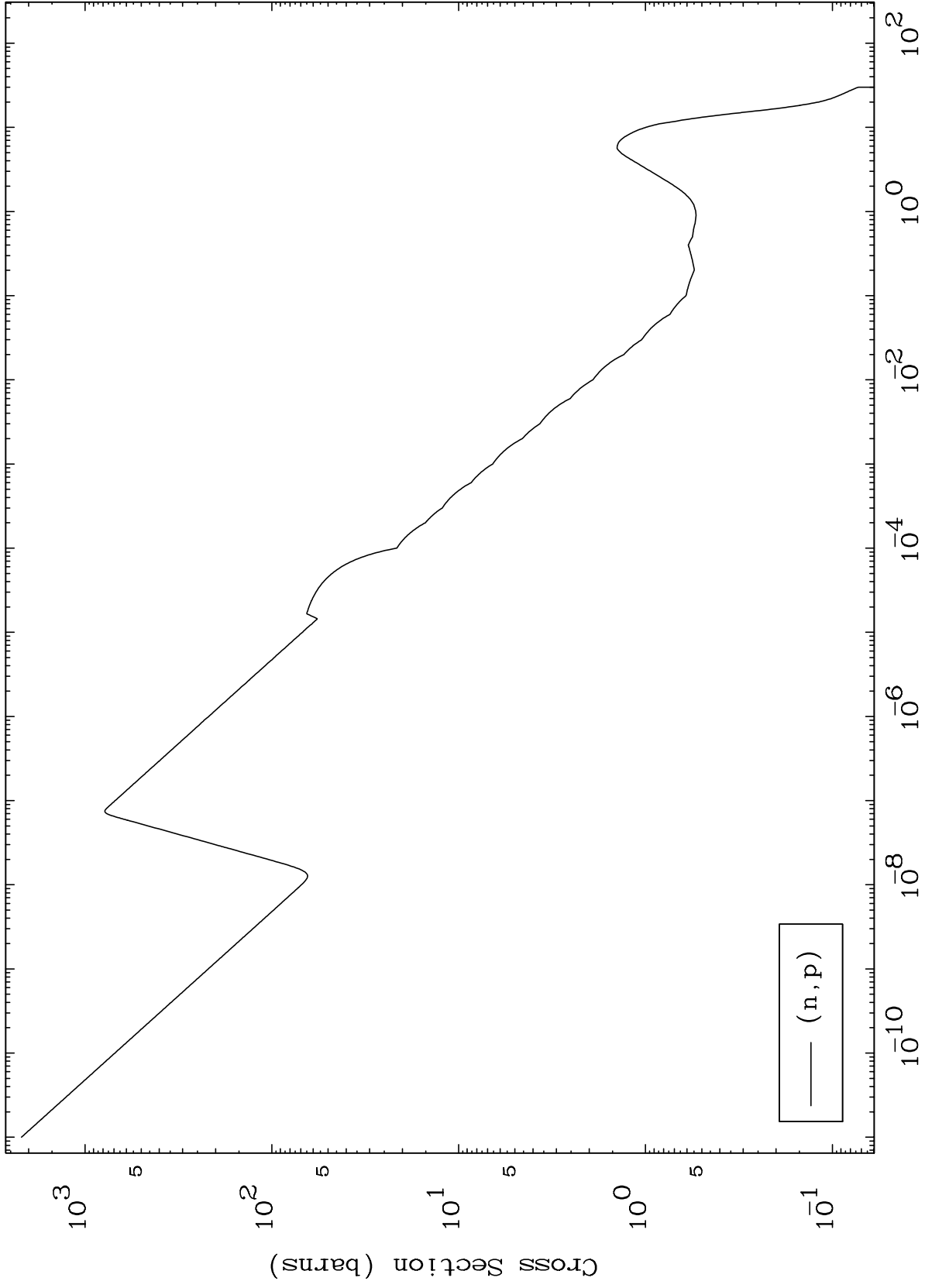
293 Kelvin Cross Sections



MAT 7665

(n,p) Levels  
293 Kelvin Cross Sections

77-Ir-171



13

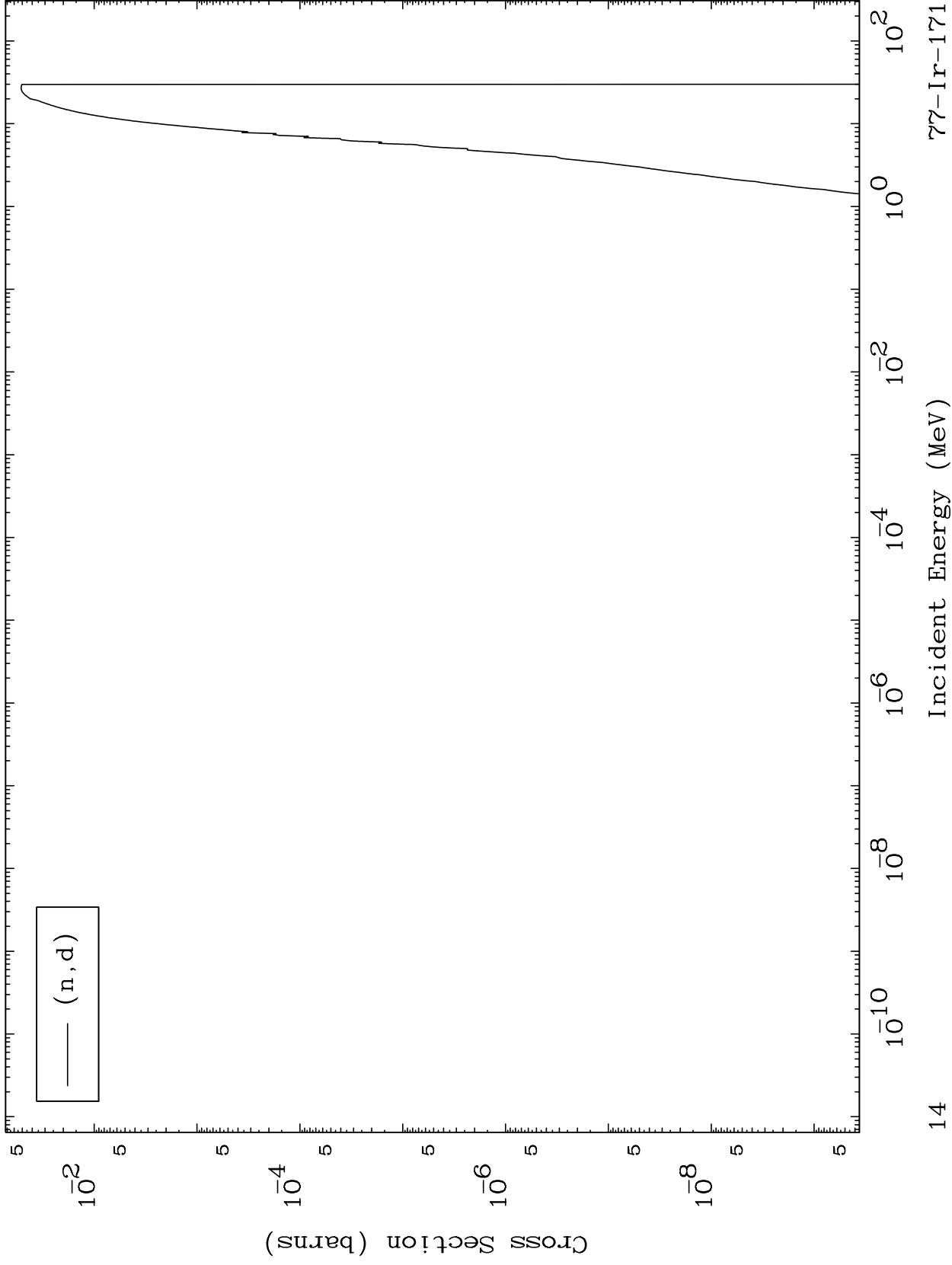
Incident Energy (MeV)

77-Ir-171

MAT 7665

(n,d) Levels  
293 Kelvin Cross Sections

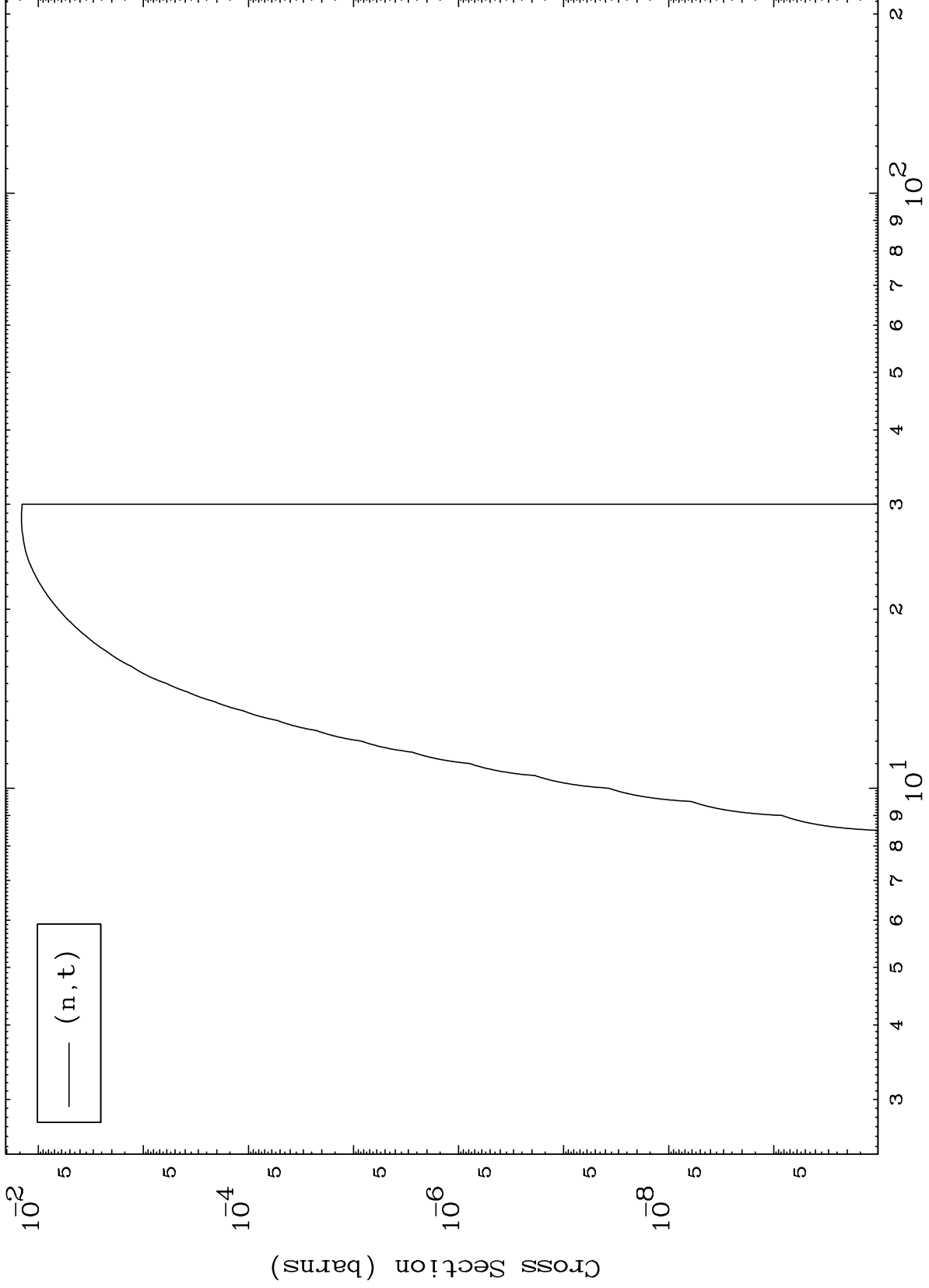
77-Ir-171



MAT 7665

(n,t) Levels  
293 Kelvin Cross Sections

77-Ir-171



15

Incident Energy (MeV)

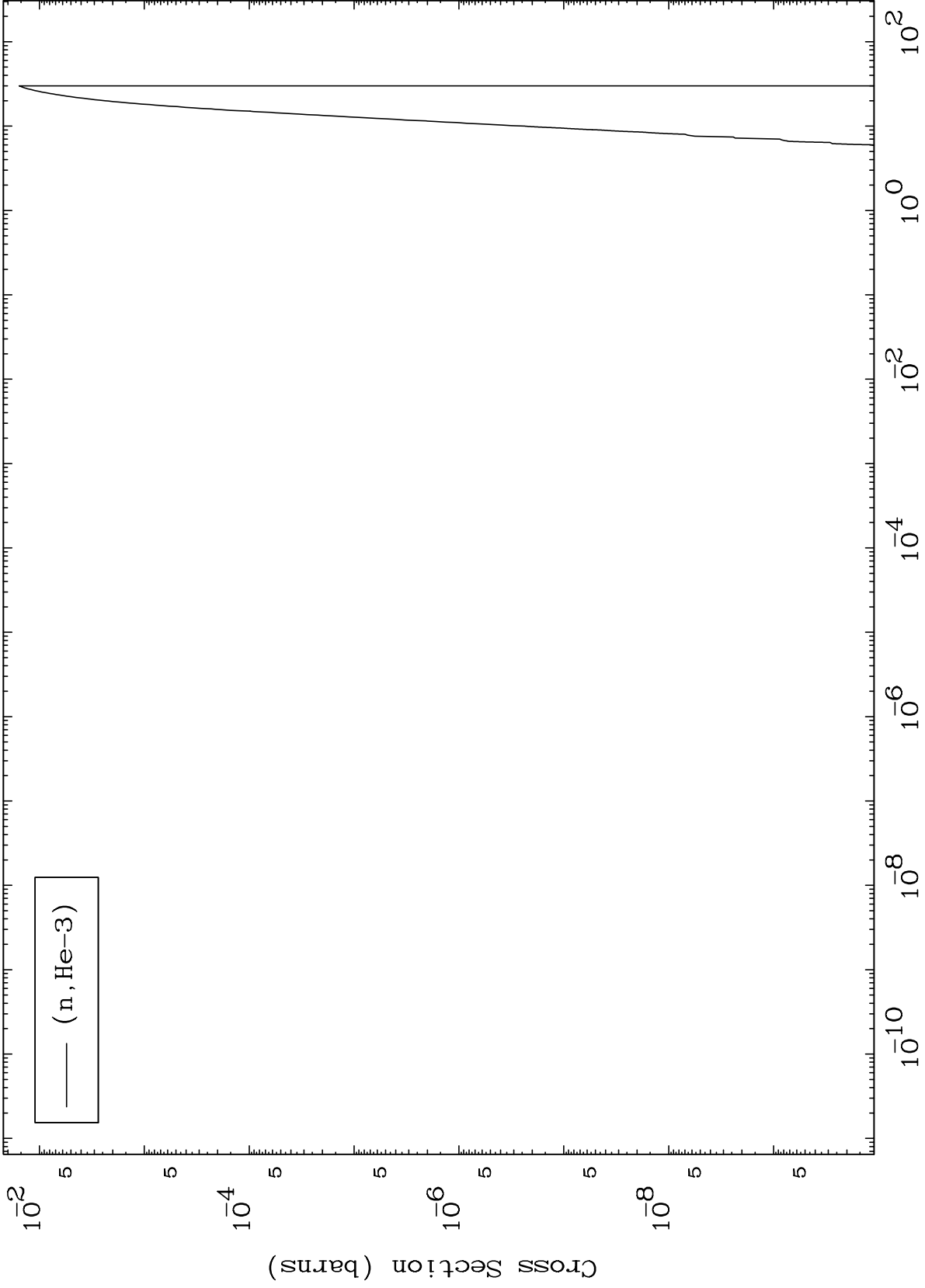
77-Ir-171



MAT 7665

(n,He3) Levels  
293 Kelvin Cross Sections

<sup>77</sup>Ir-171



16

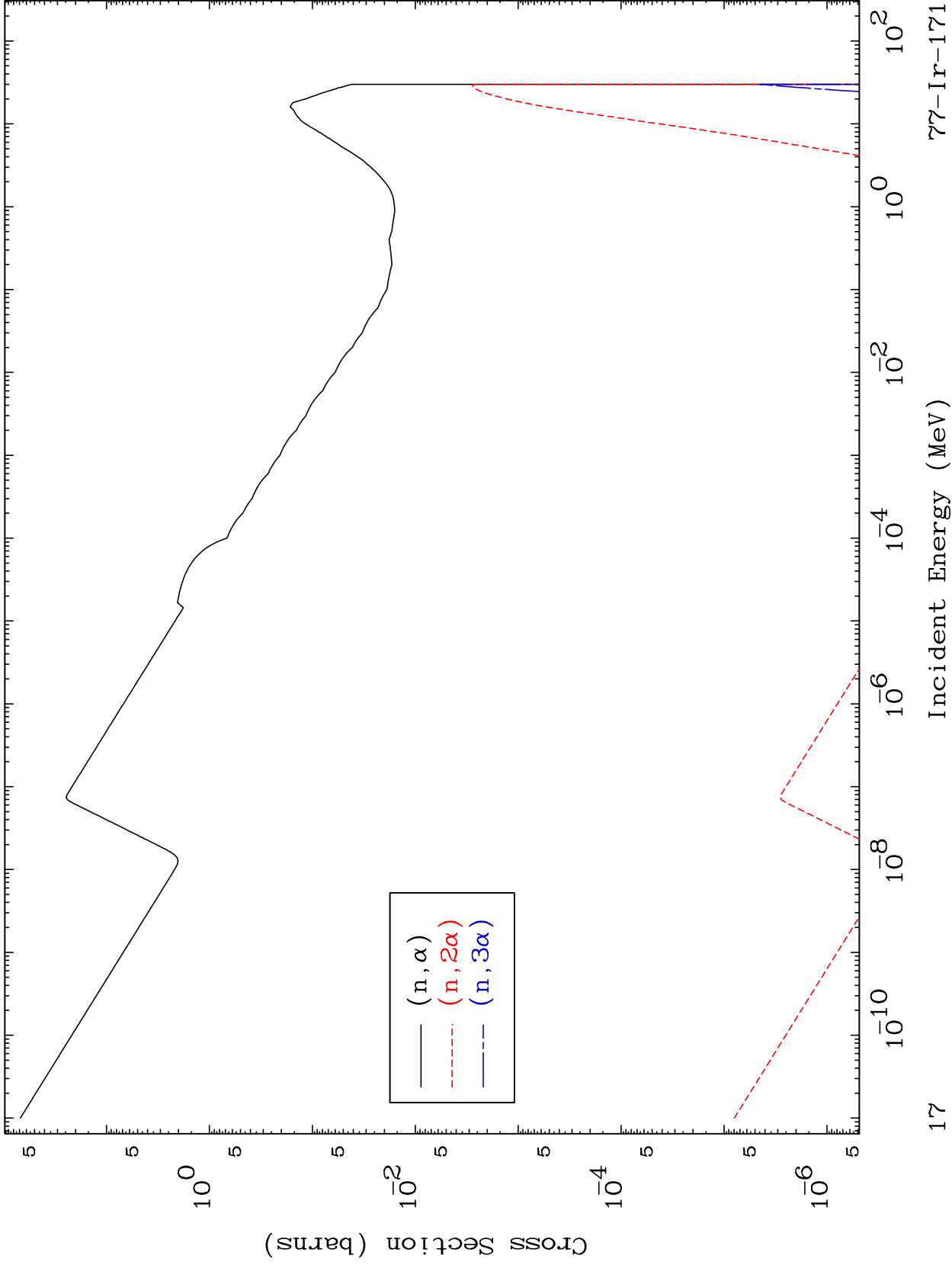
Incident Energy (MeV)

<sup>77</sup>Ir-171

MAT 7665

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

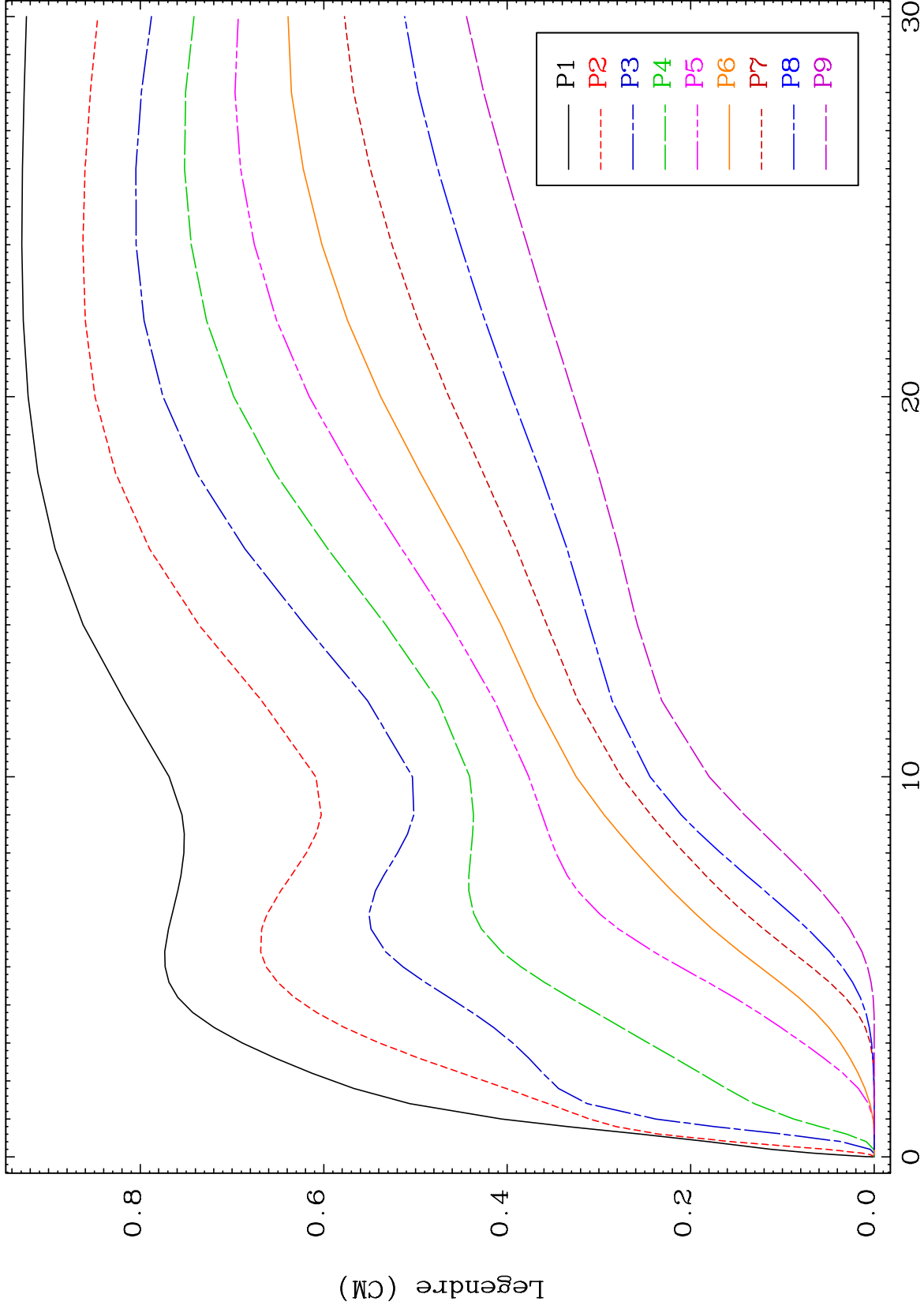
77-Ir-171



MAT 7665

Elastic Legendre Coefficients

<sup>77</sup>Ir-171



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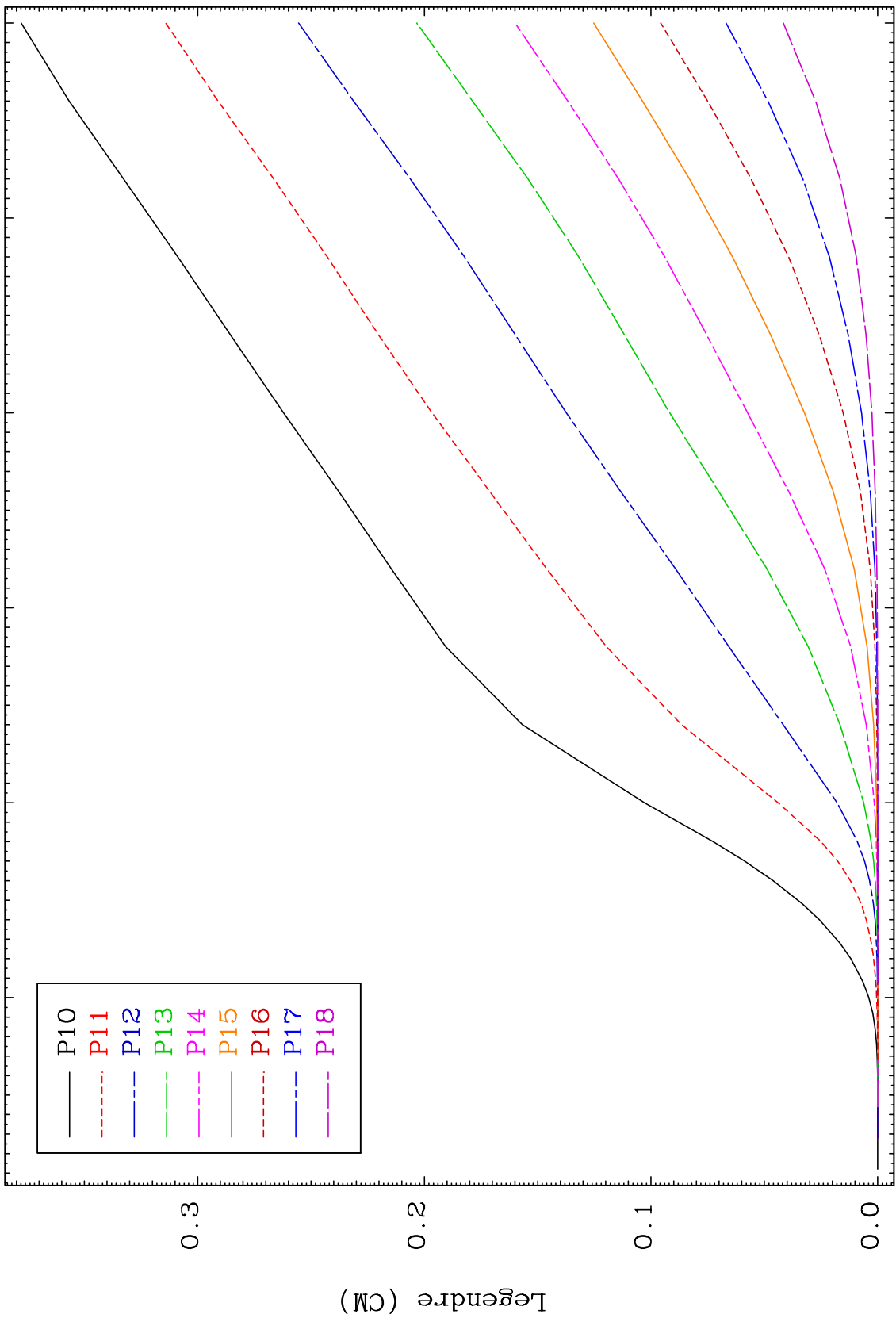
Incident Energy (MeV)

<sup>77</sup>Ir-171

MAT 7665

Elastic Legendre Coefficients

<sup>77</sup>Ir-171



19

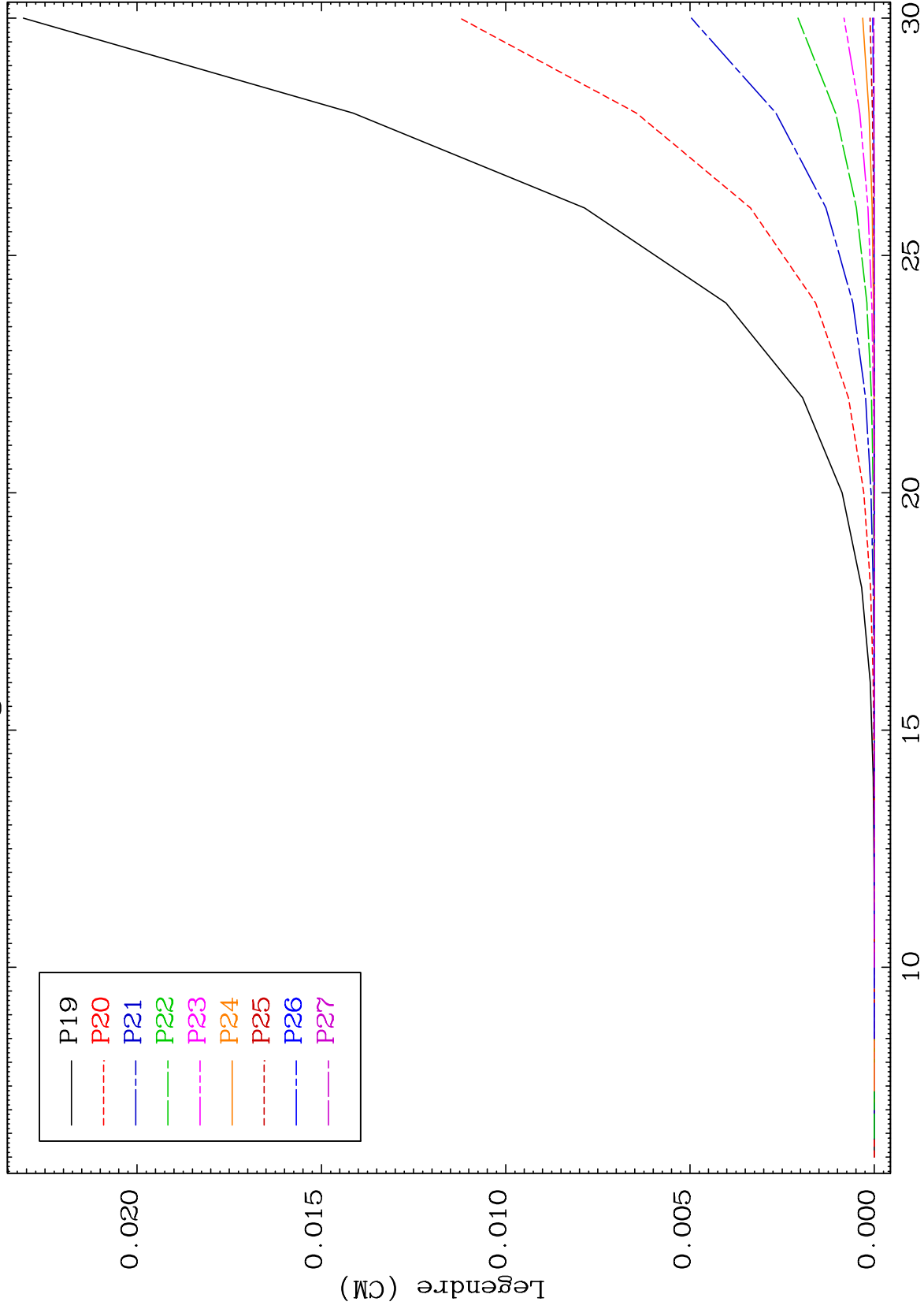
Incident Energy (MeV)

<sup>77</sup>Ir-171

MAT 7665

Elastic  
Legendre Coefficients

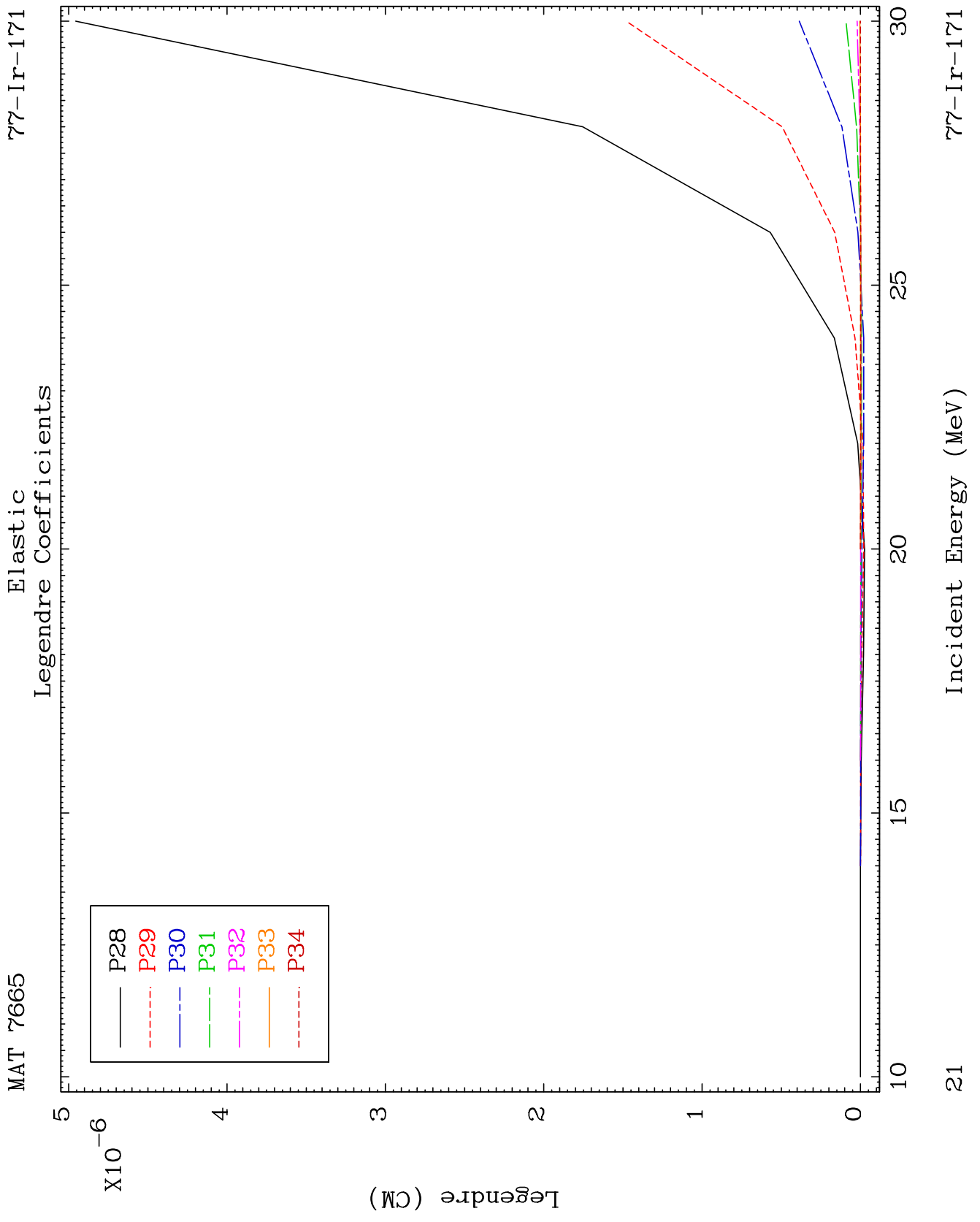
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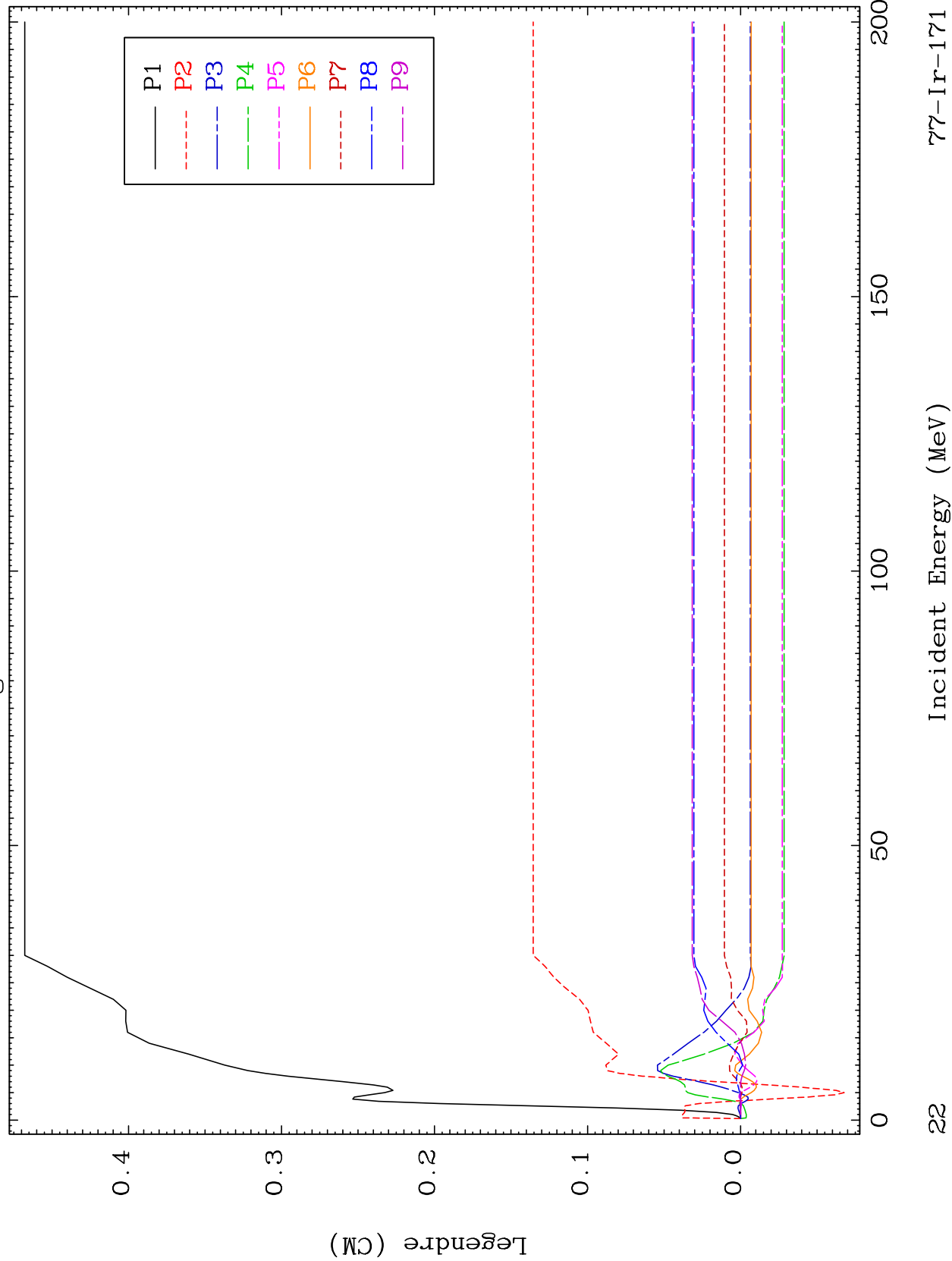


20

Incident Energy (MeV)

77-Ir-171

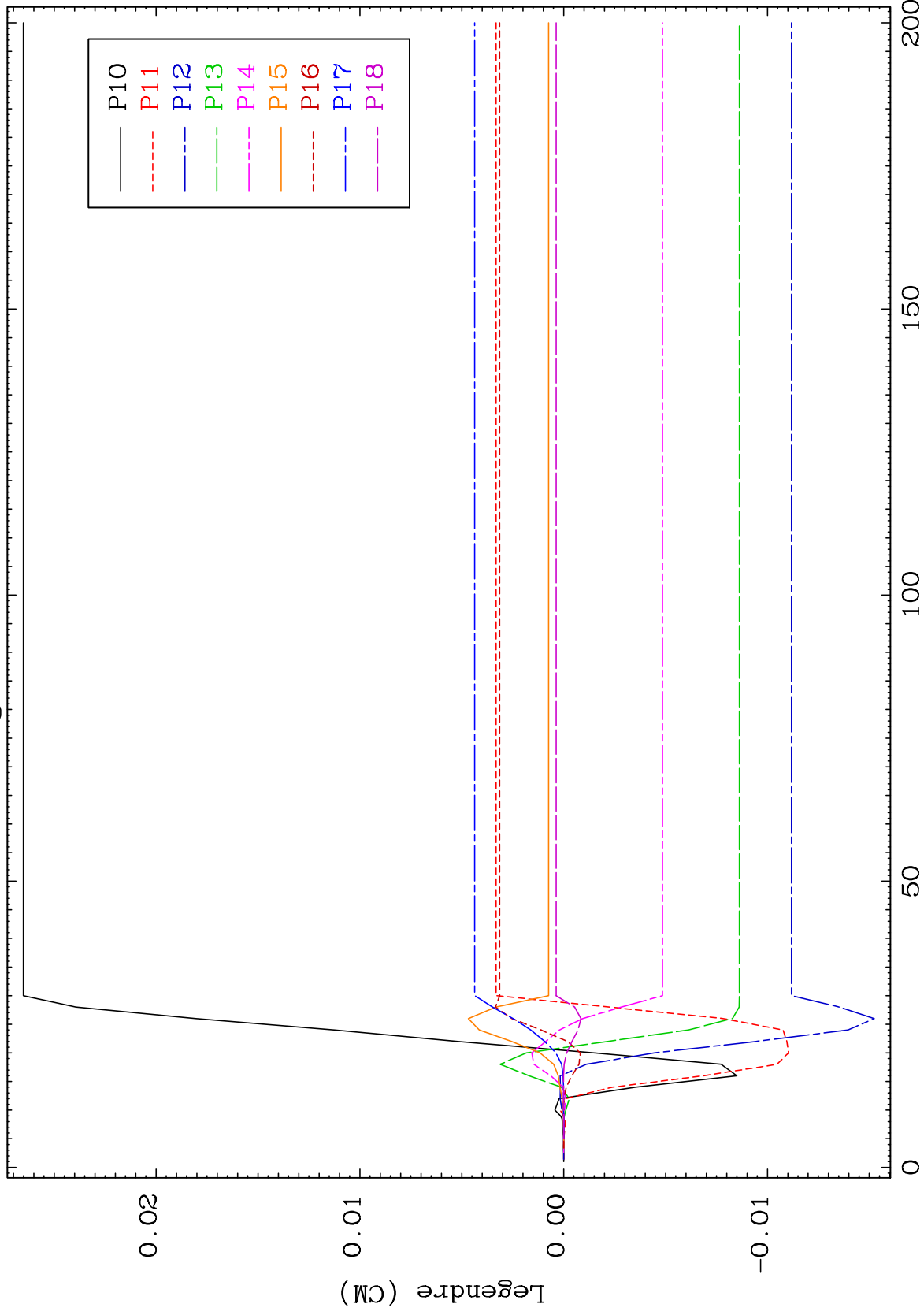




MAT 7665

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

77-Ir-171



23

Incident Energy (MeV)

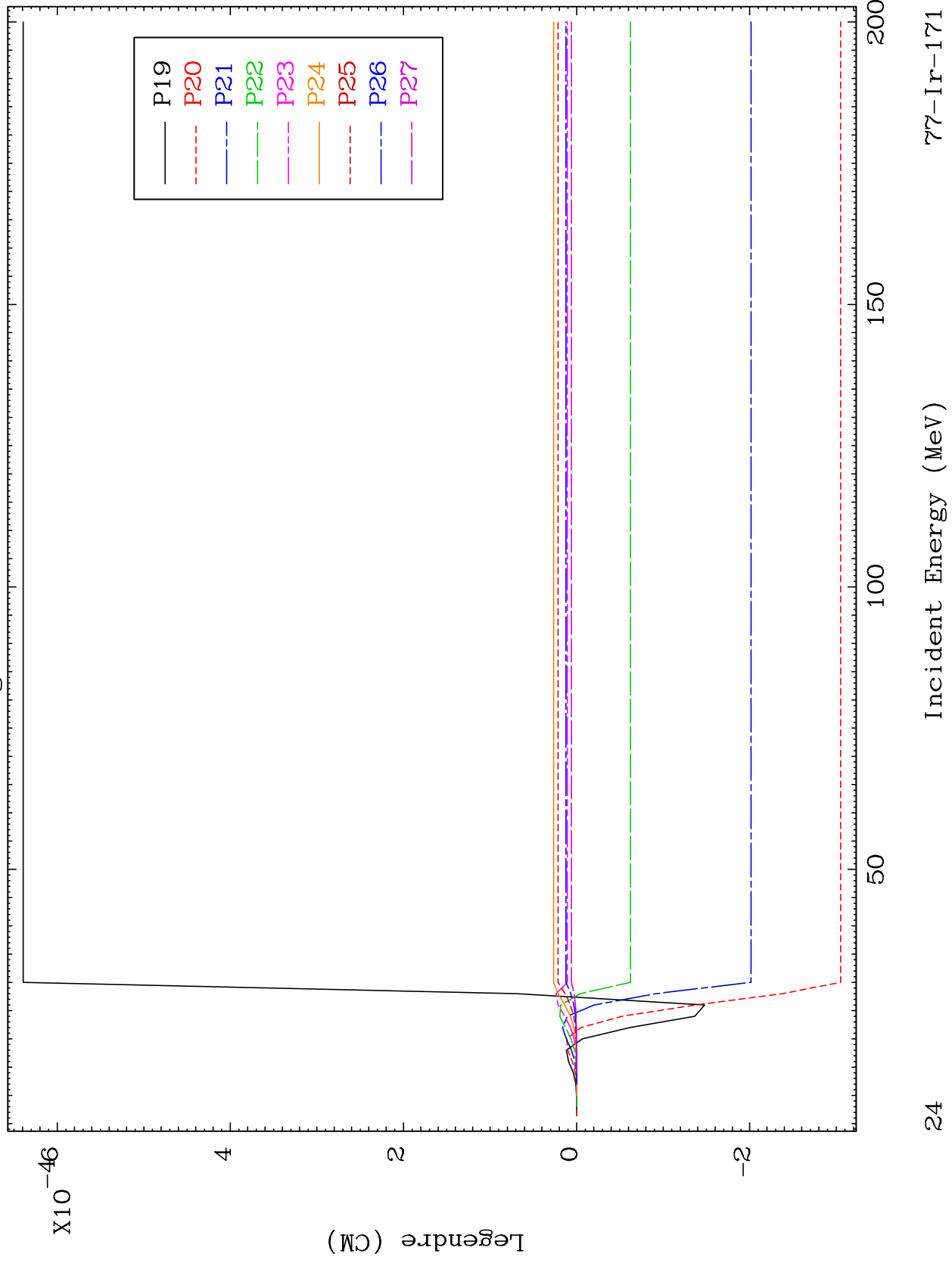
77-Ir-171



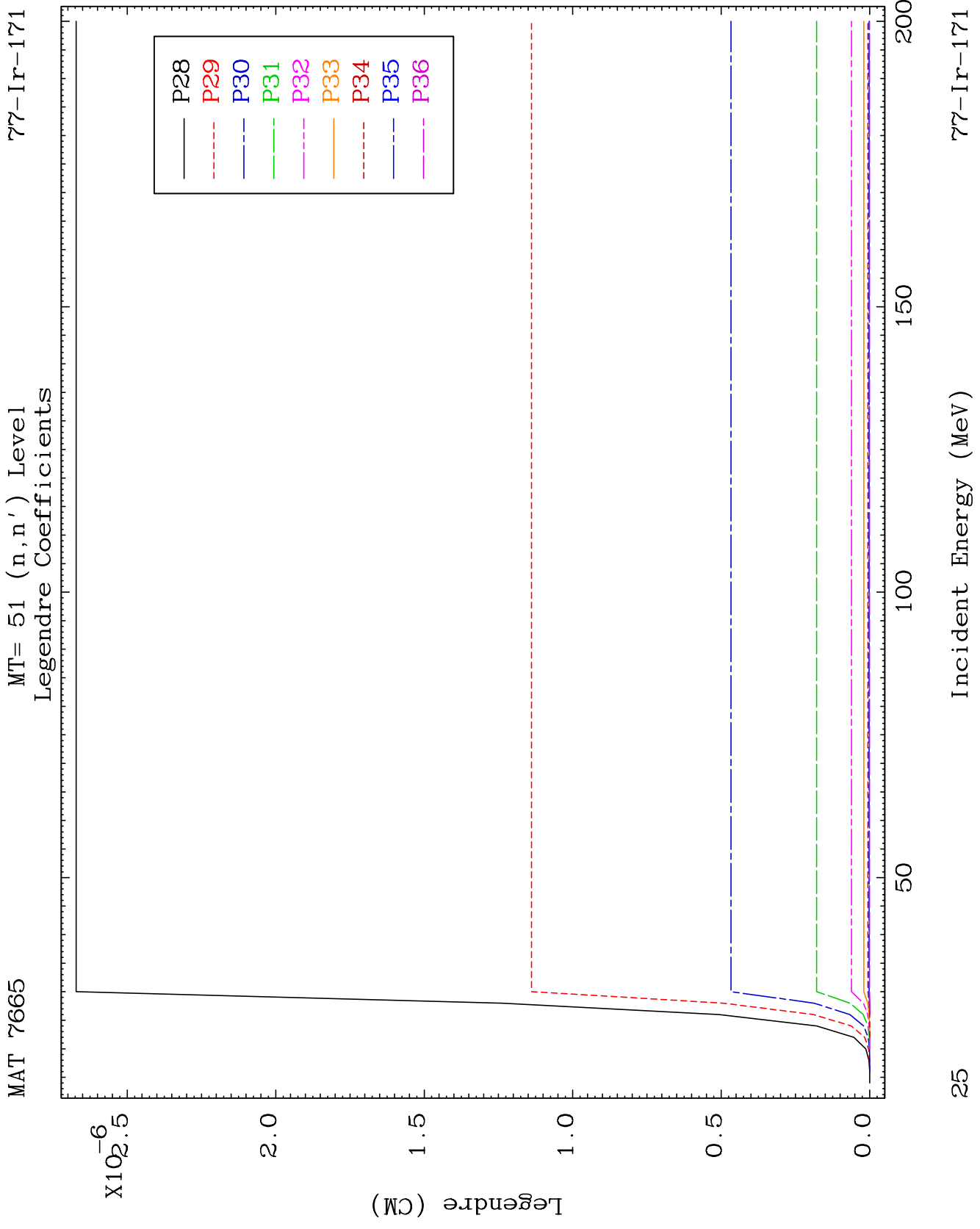
MAT 7665

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

77-Ir-171



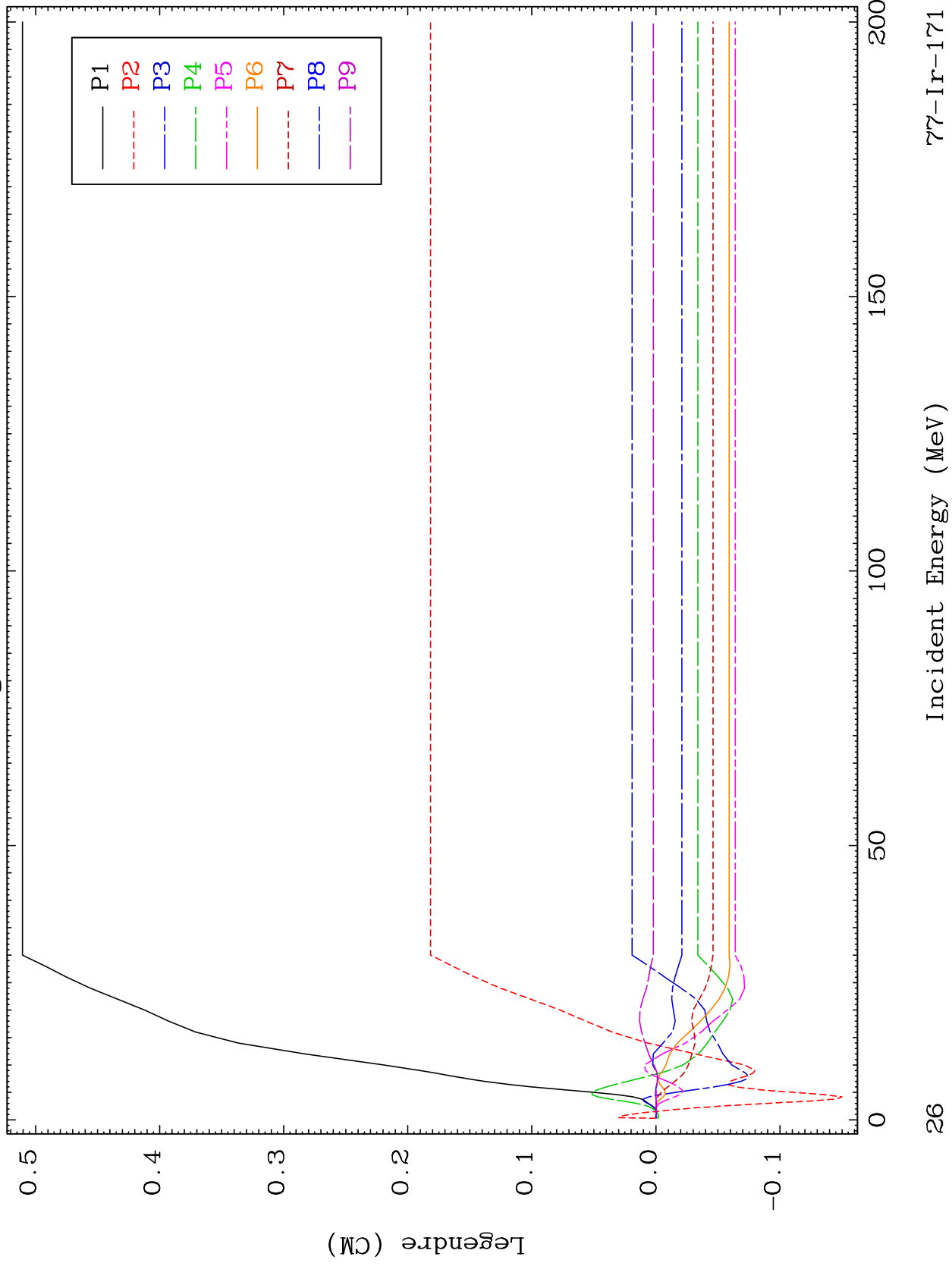
24



MAT 7665

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

77-Ir-171



77-Ir-171

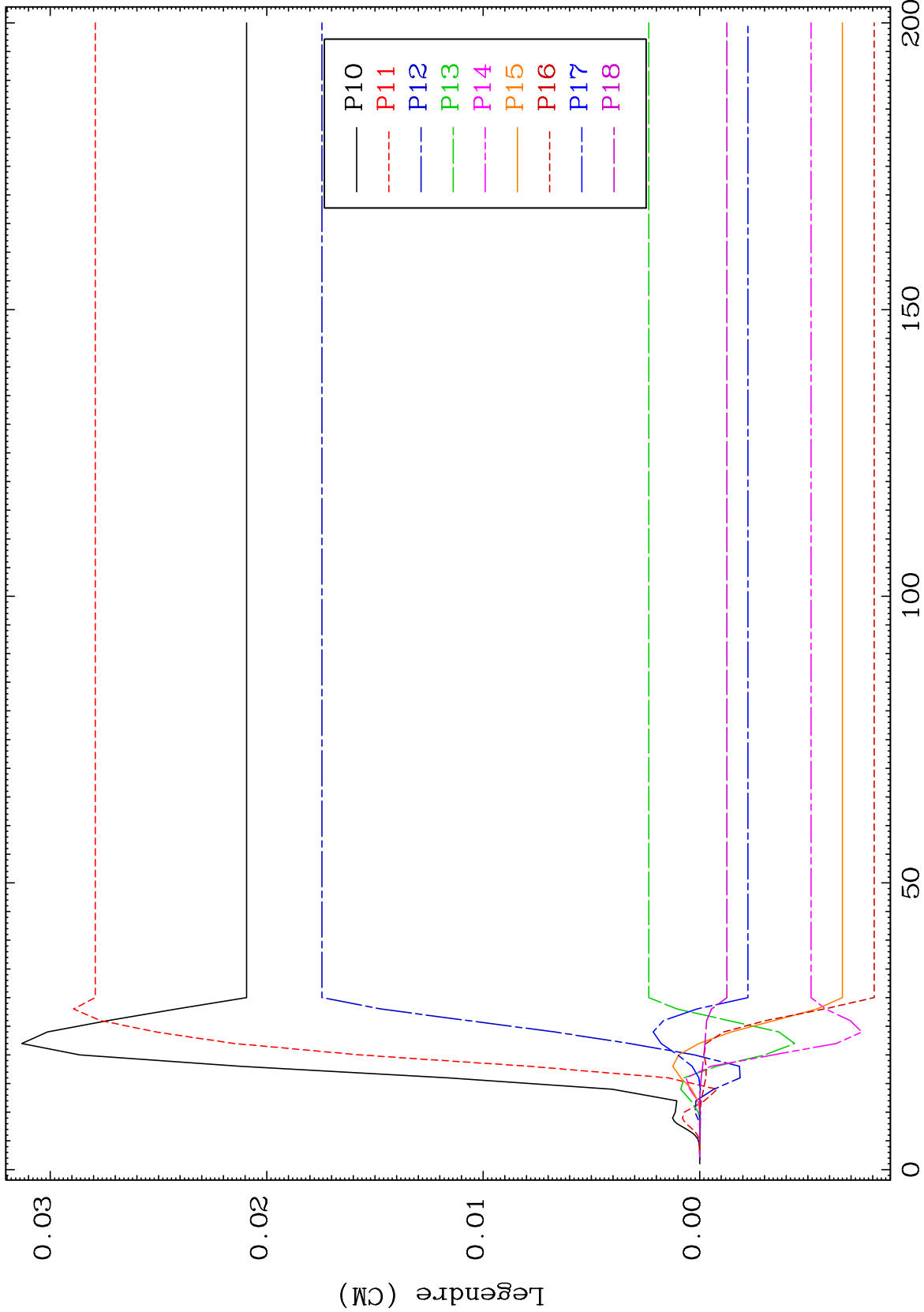
Incident Energy (MeV)

26

MAT 7665

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

77-Ir-171



27

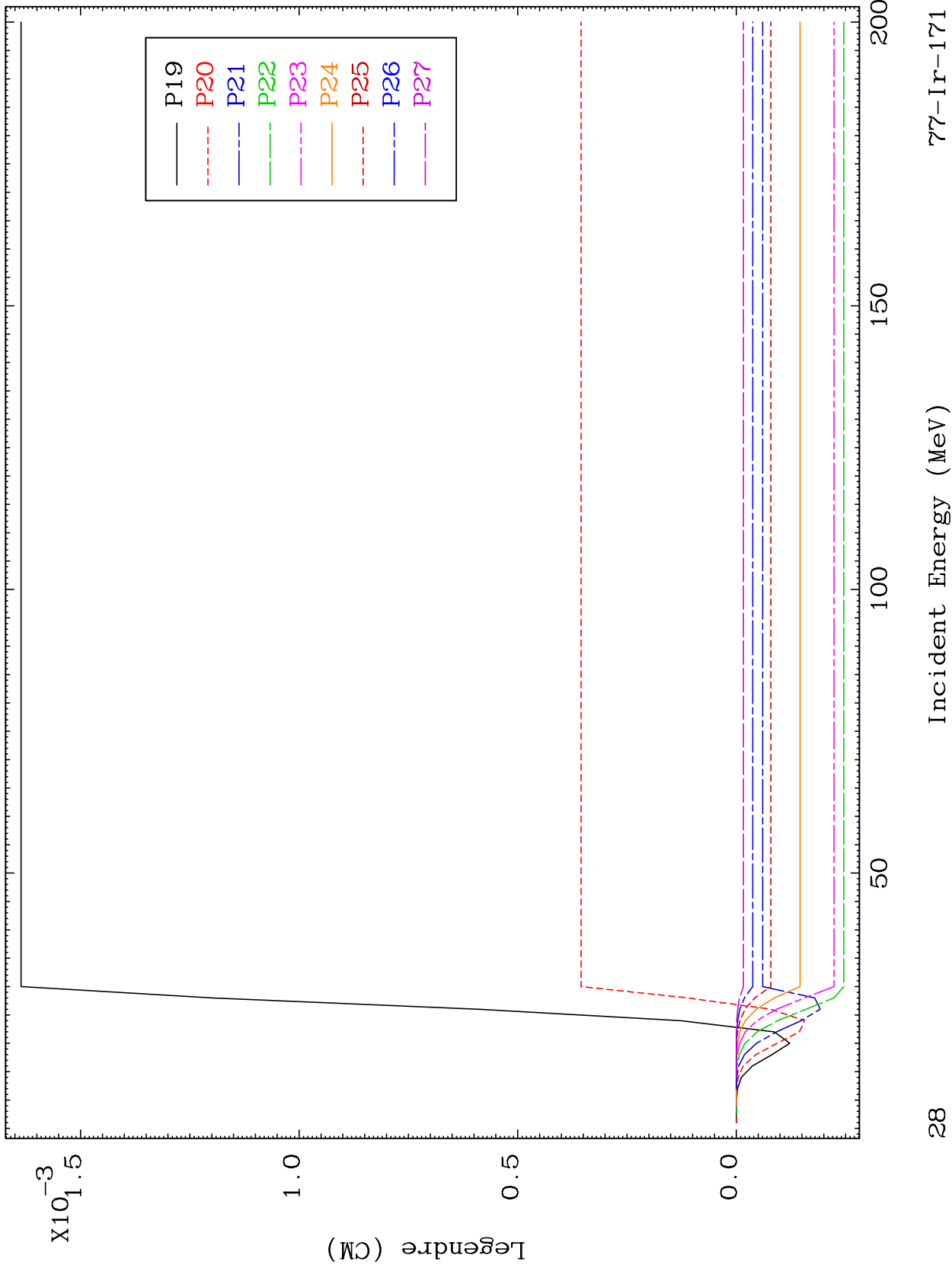
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

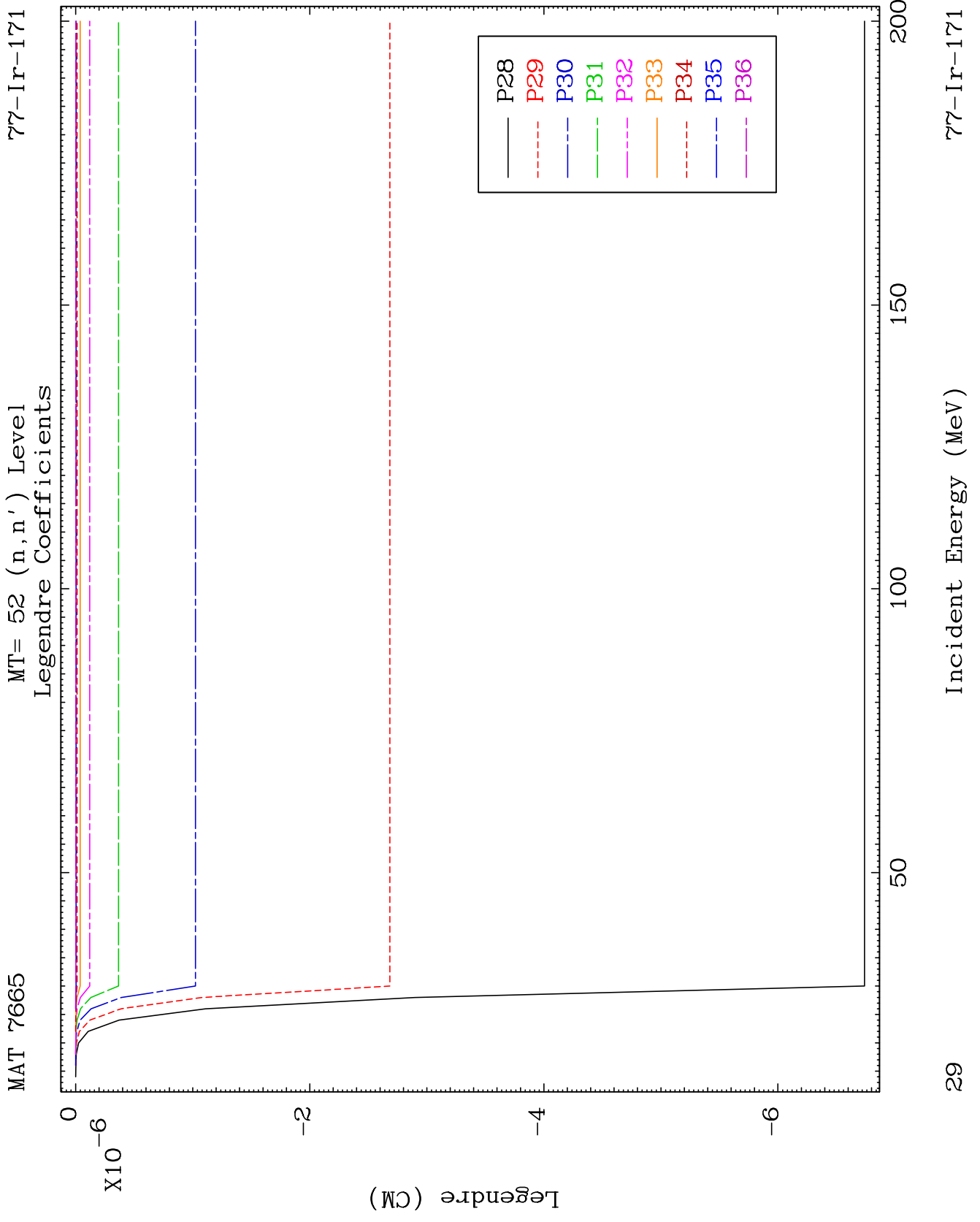
77-Ir-171



28

Incident Energy (MeV)

77-Ir-171

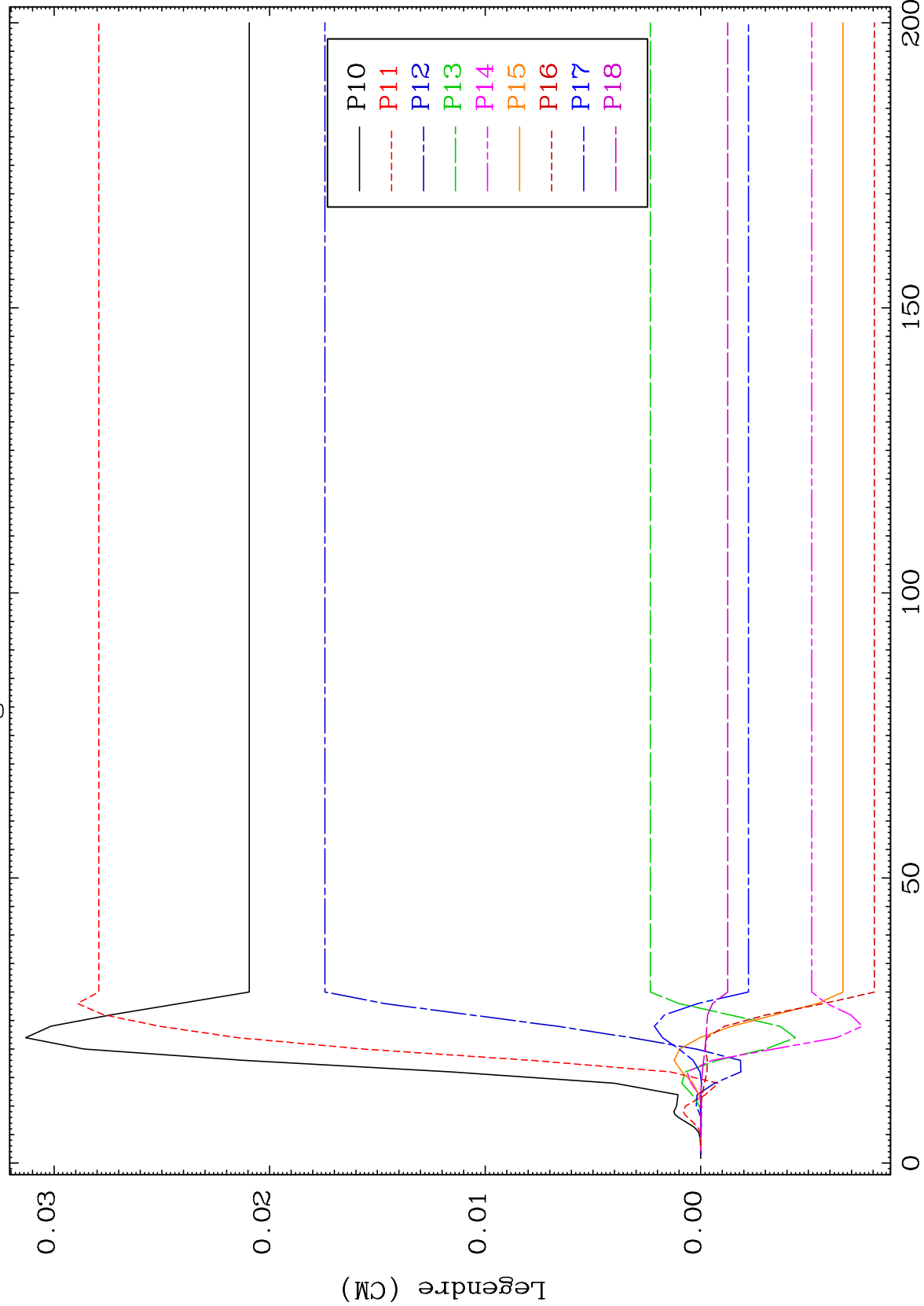




MAT 7665

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

77-Ir-171



31

Incident Energy (MeV)

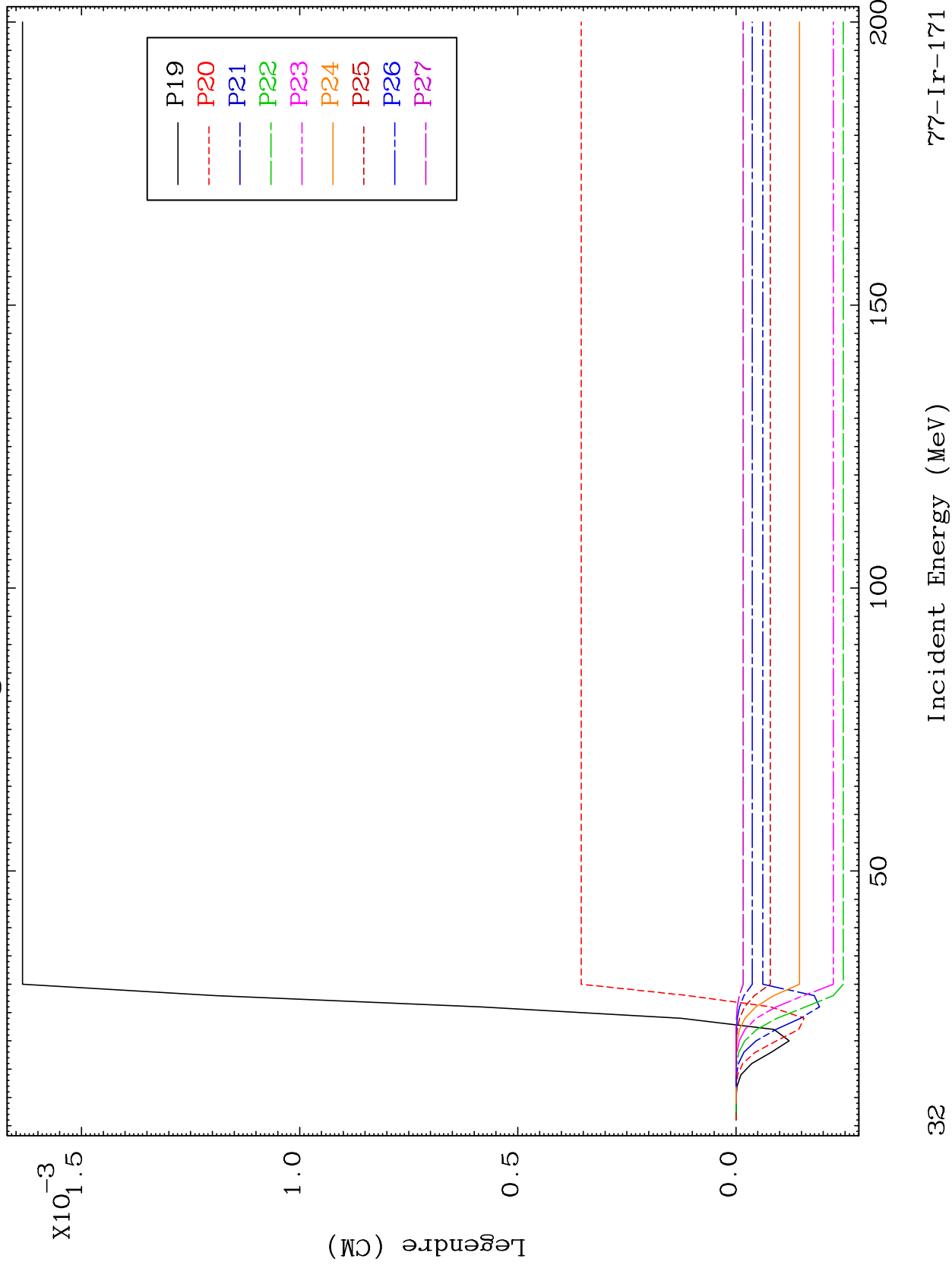
77-Ir-171



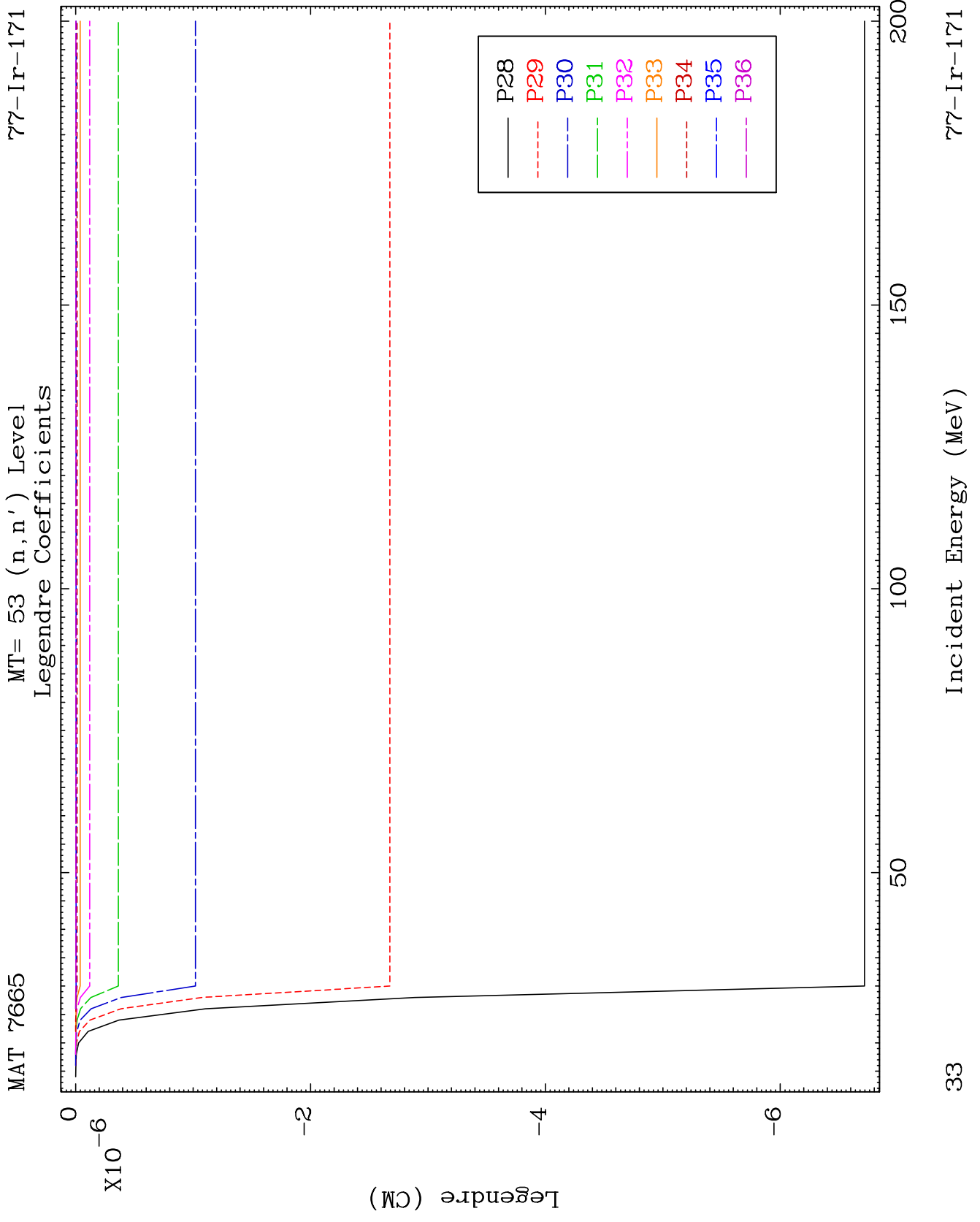
MAT 7665

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

77-Ir-171



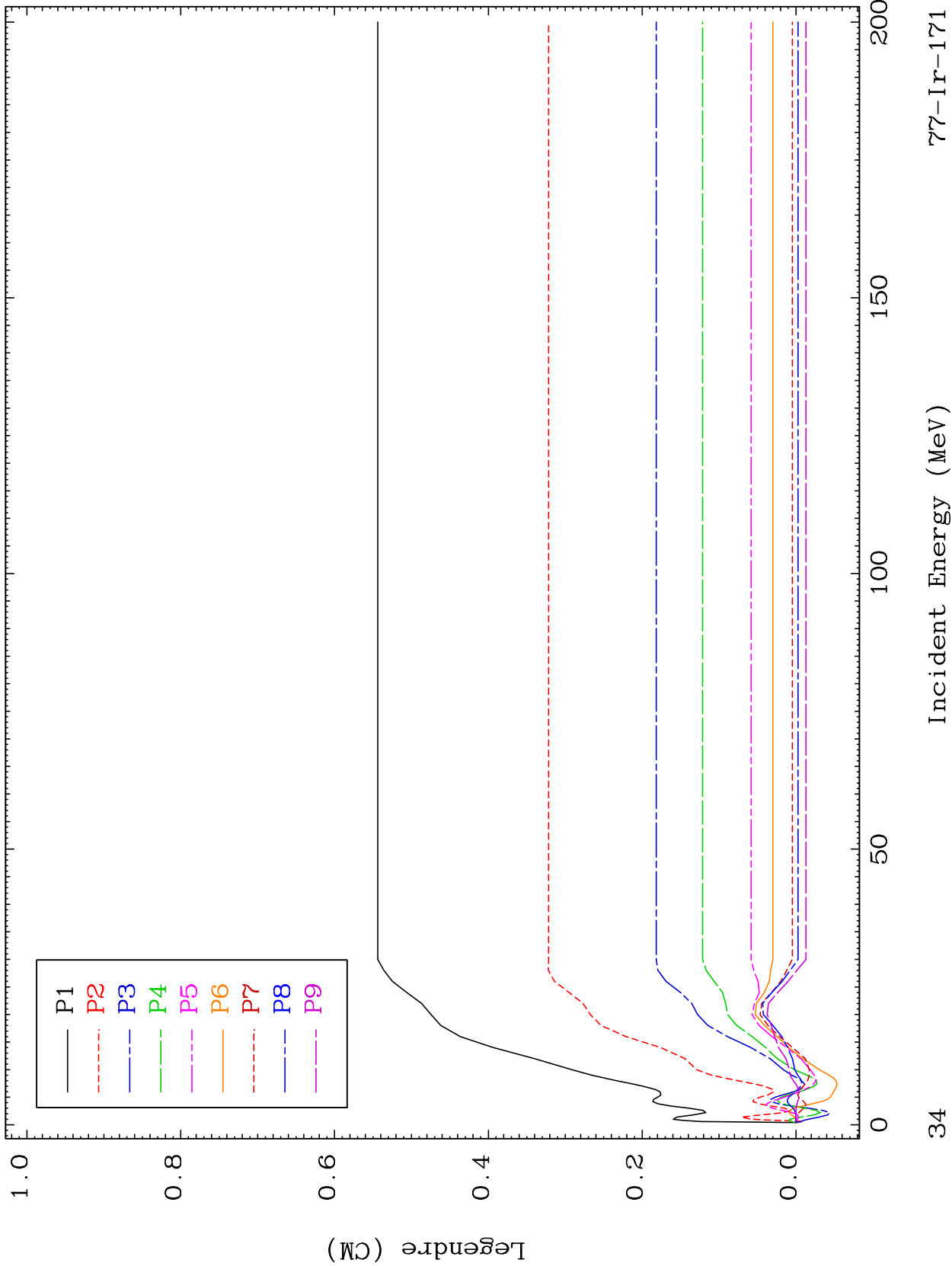
32



MAT 7665

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

77-Ir-171

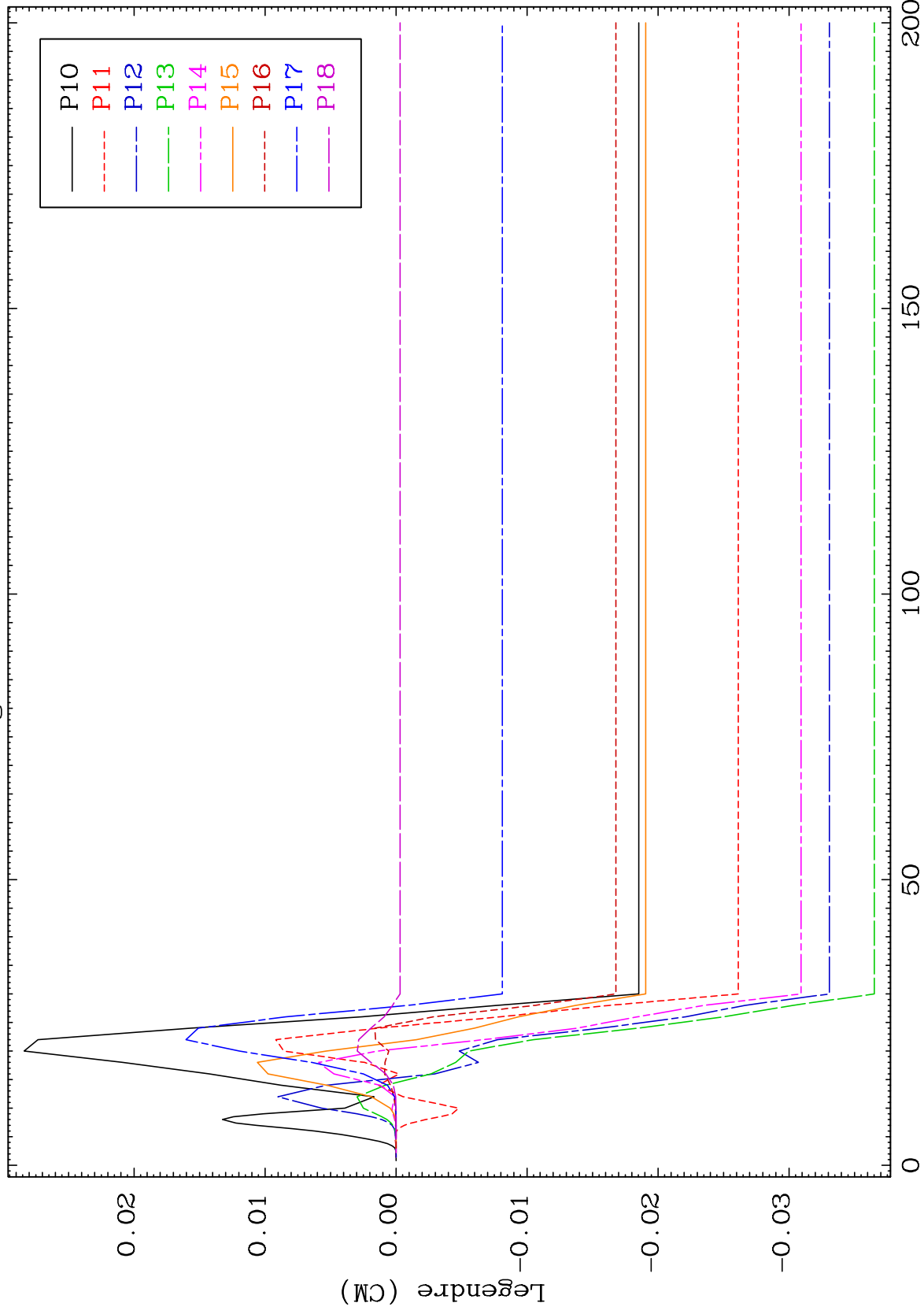


34

MAT 7665

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

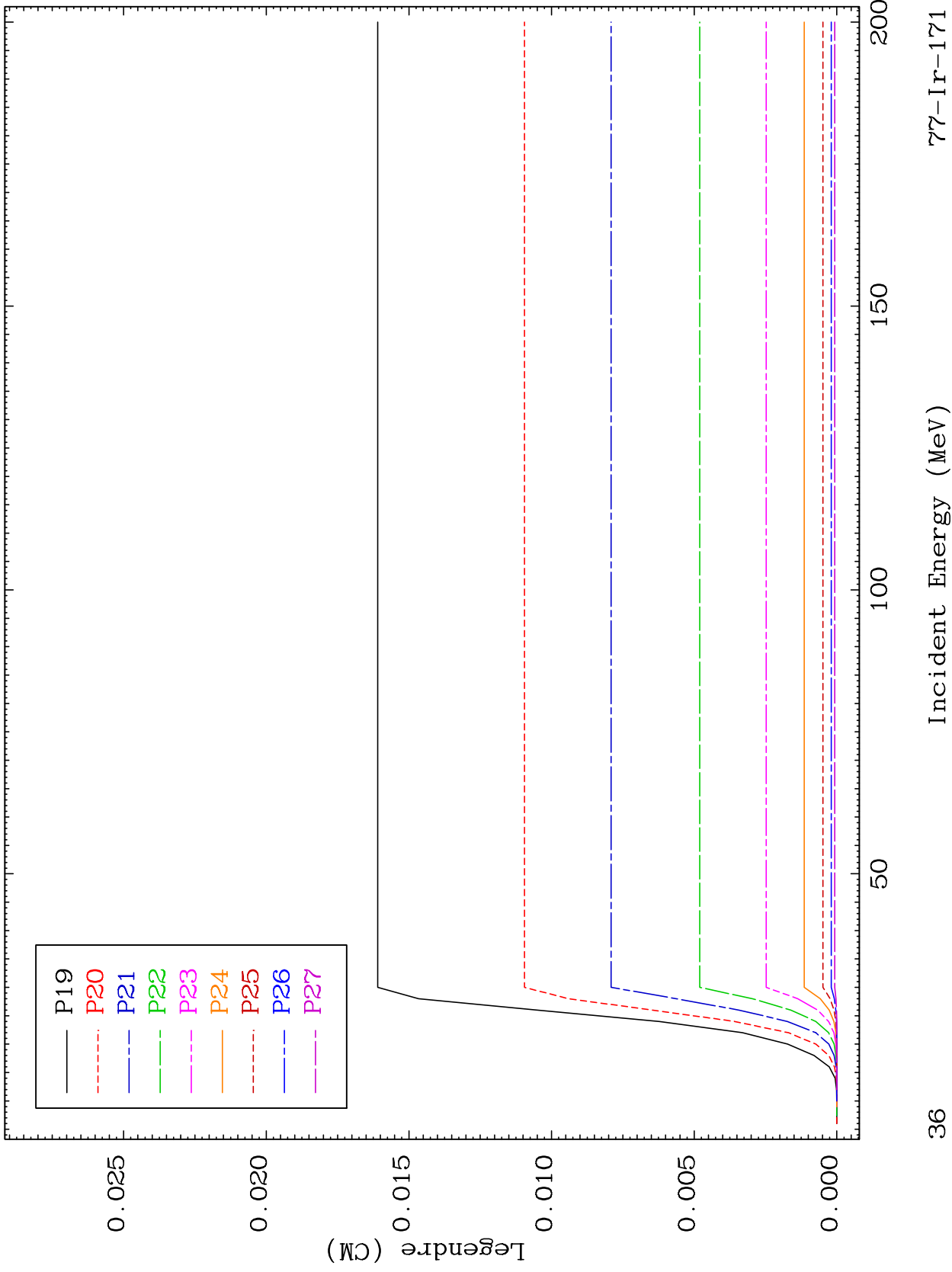
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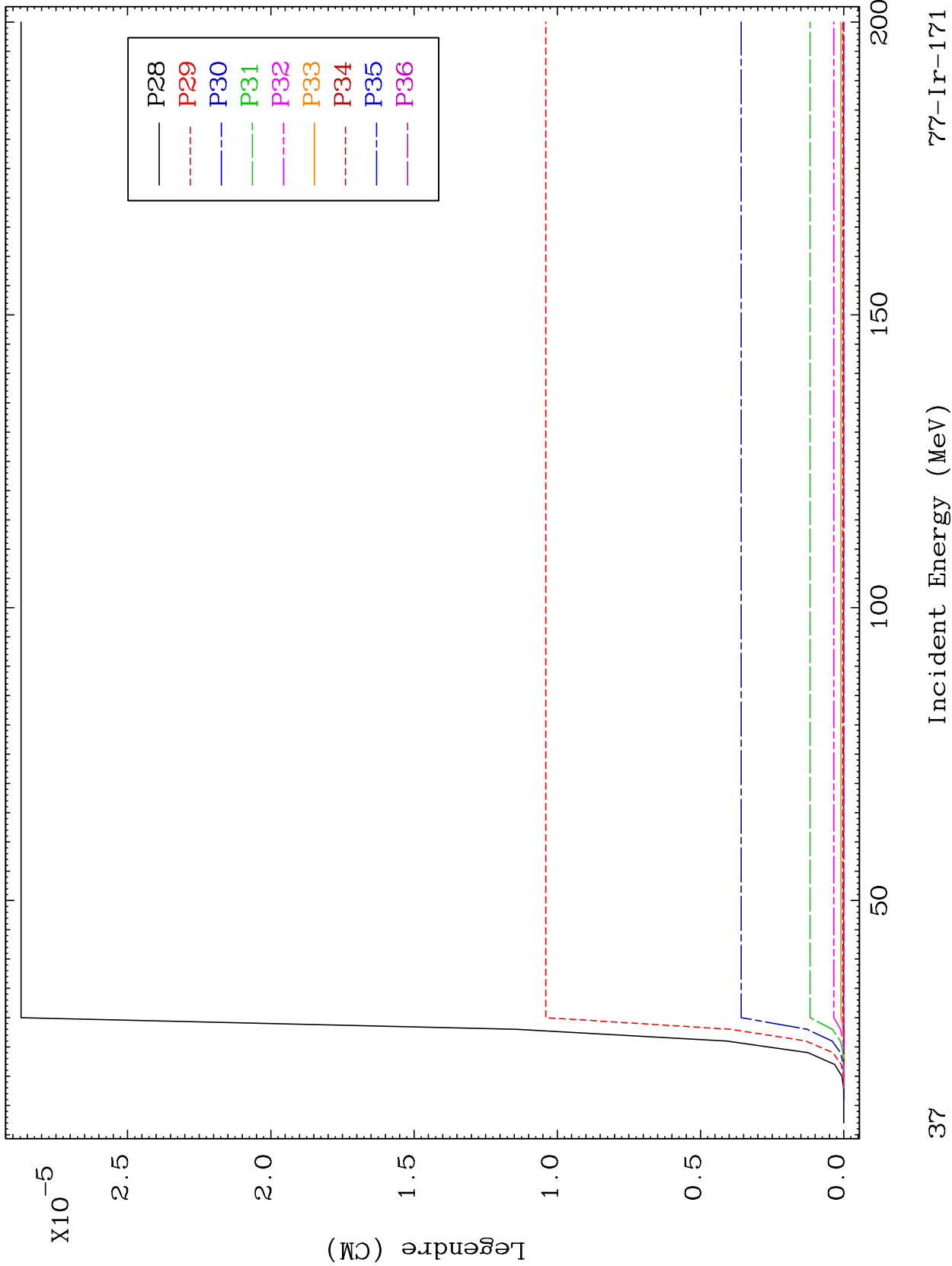


35

Incident Energy (MeV)

77-Ir-171

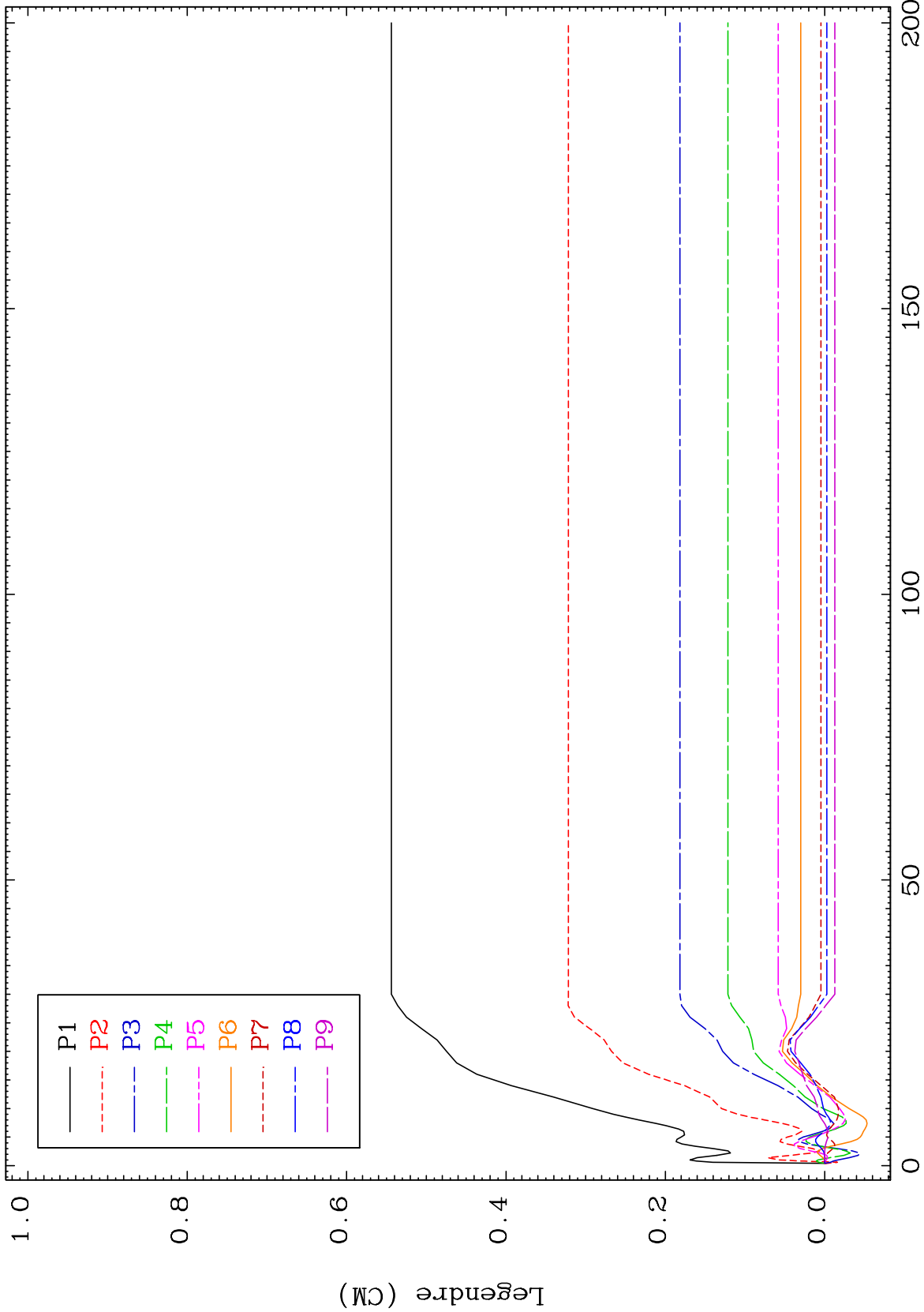




MAT 7665

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

77-Ir-171



38

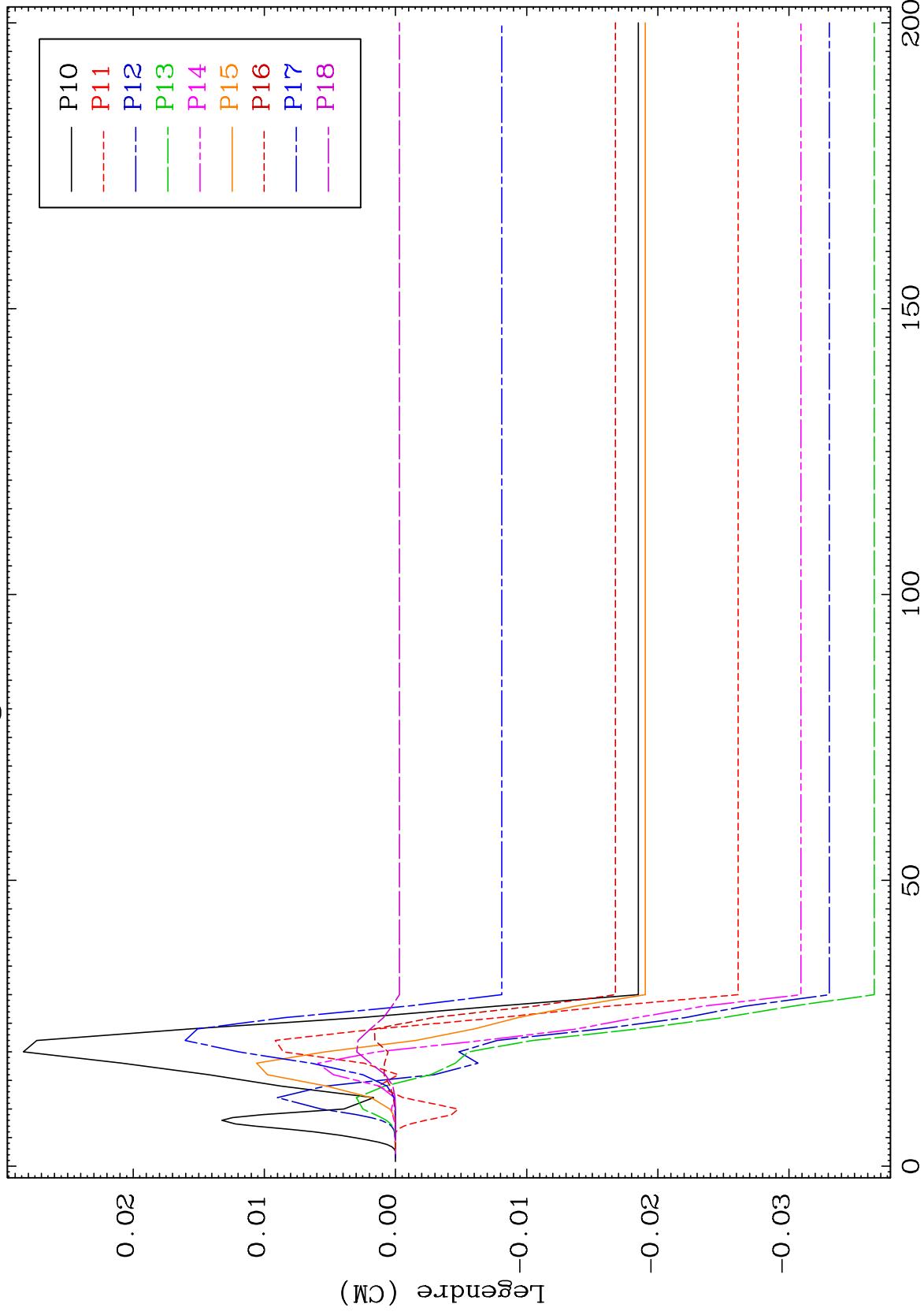
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



39

Incident Energy (MeV)

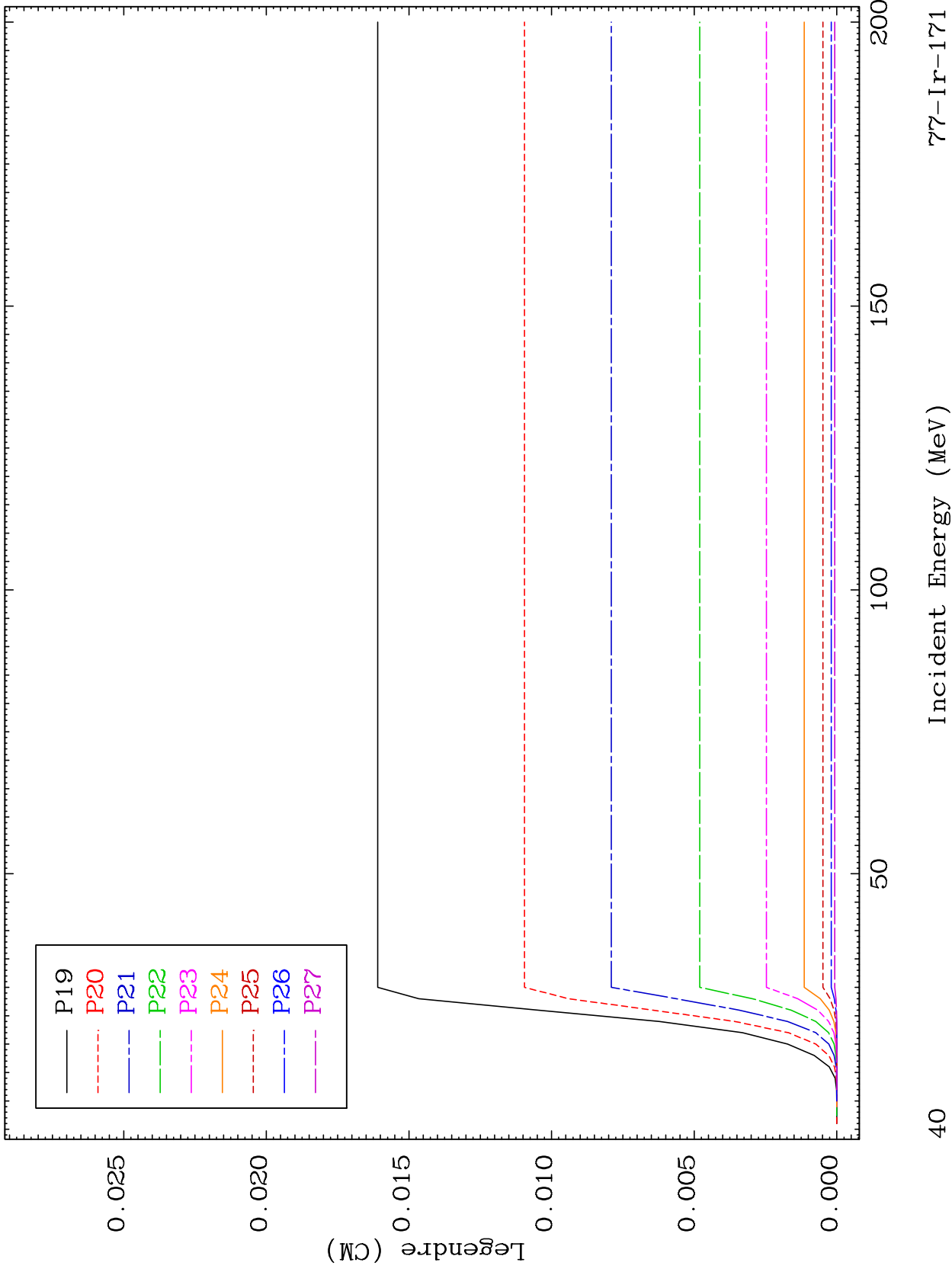
77-Ir-171



MAT 7665

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

77-Ir-171



40

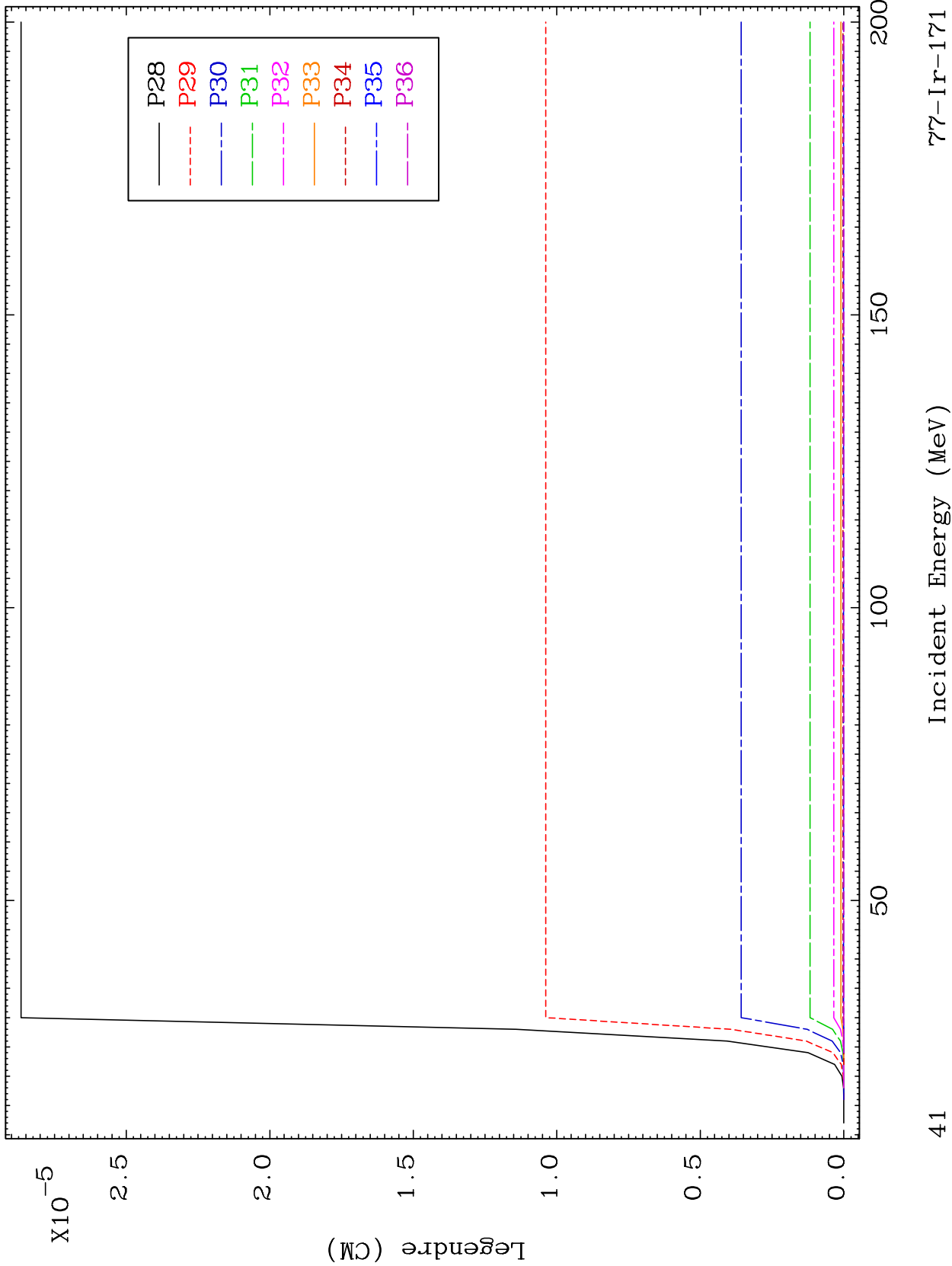
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



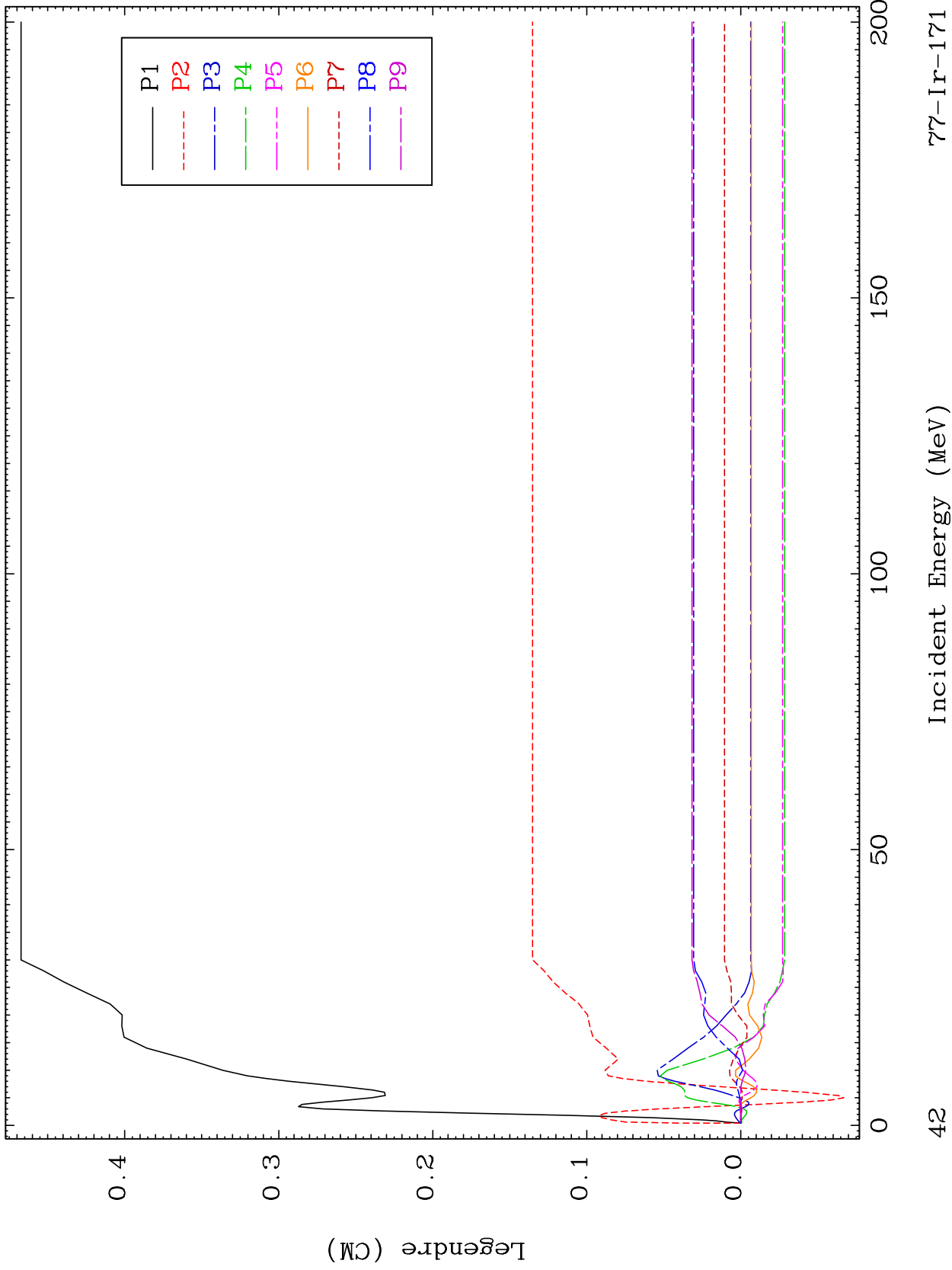
41

77-Ir-171

MAT 7665

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

77-Ir-171



77-Ir-171

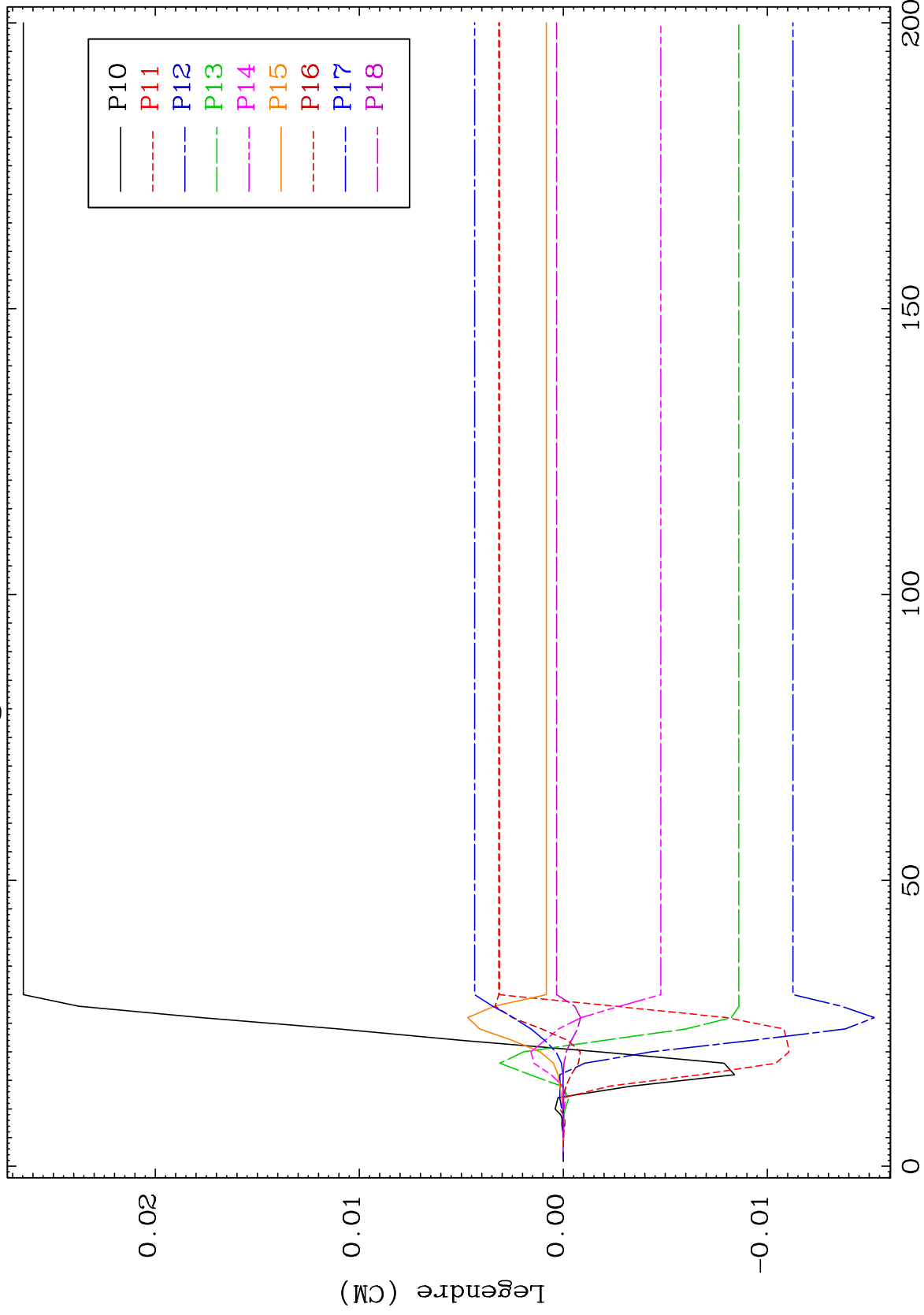
Incident Energy (MeV)

42

MAT 7665

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

77-Ir-171



43

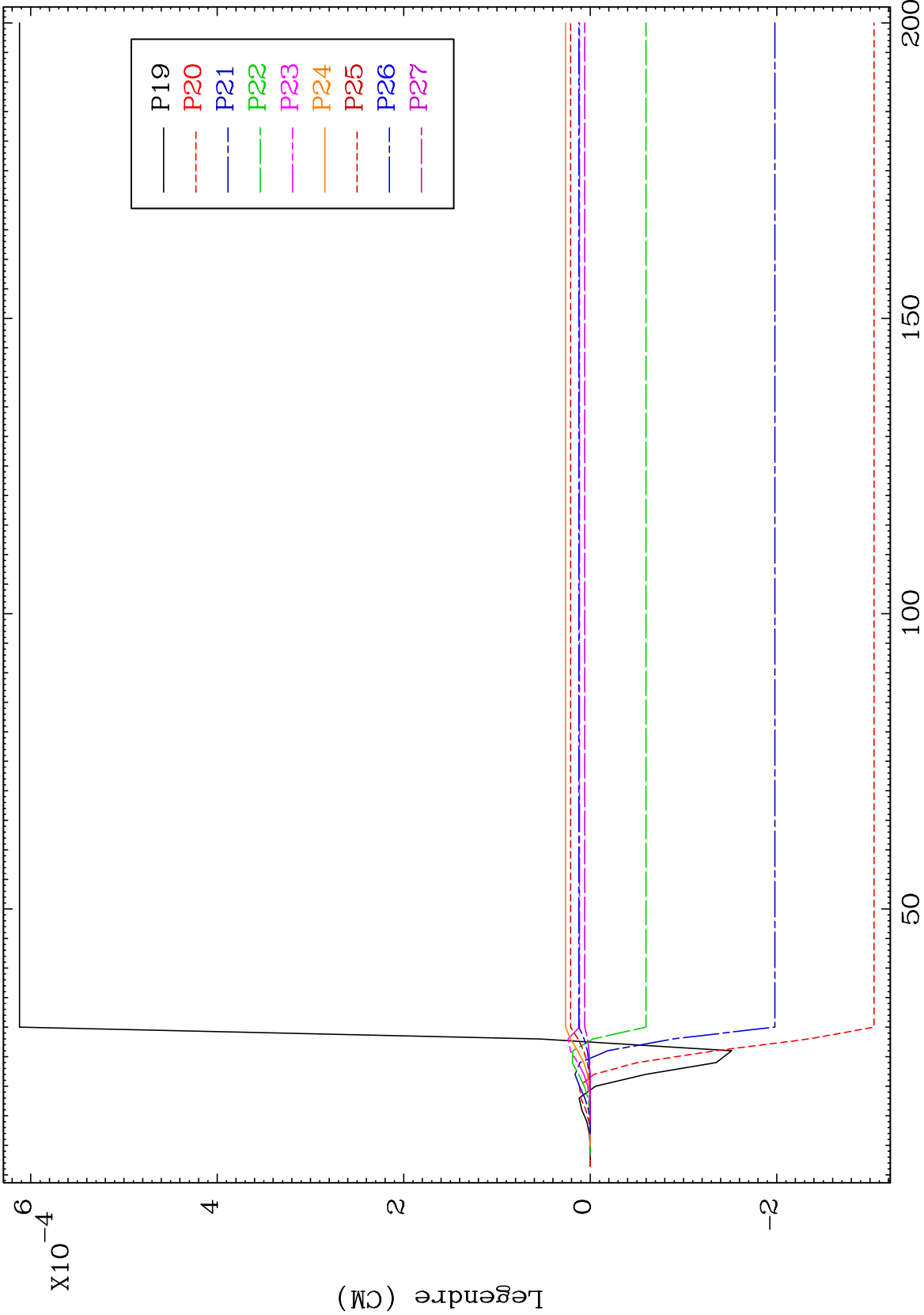
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



44

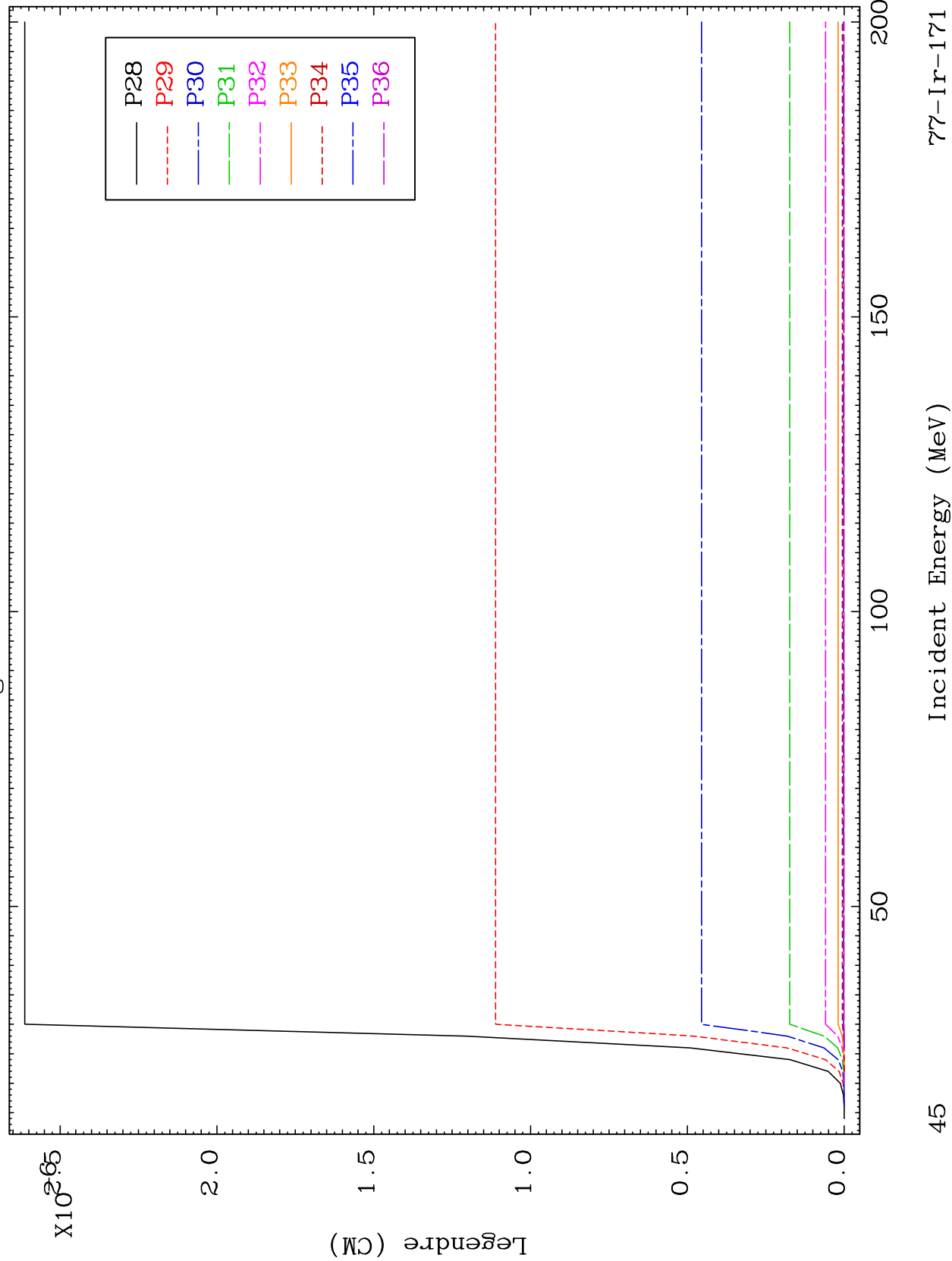
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



45

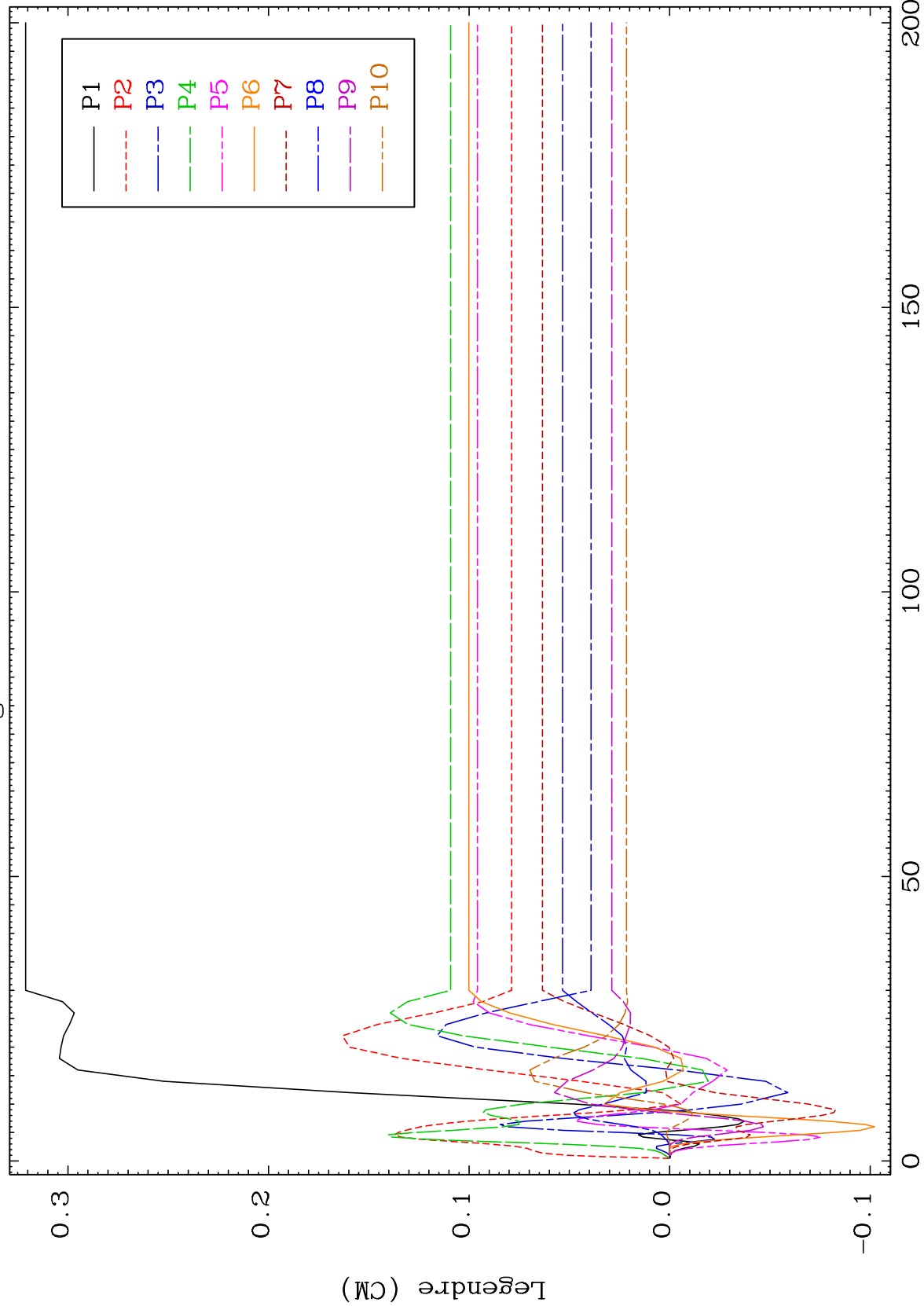
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



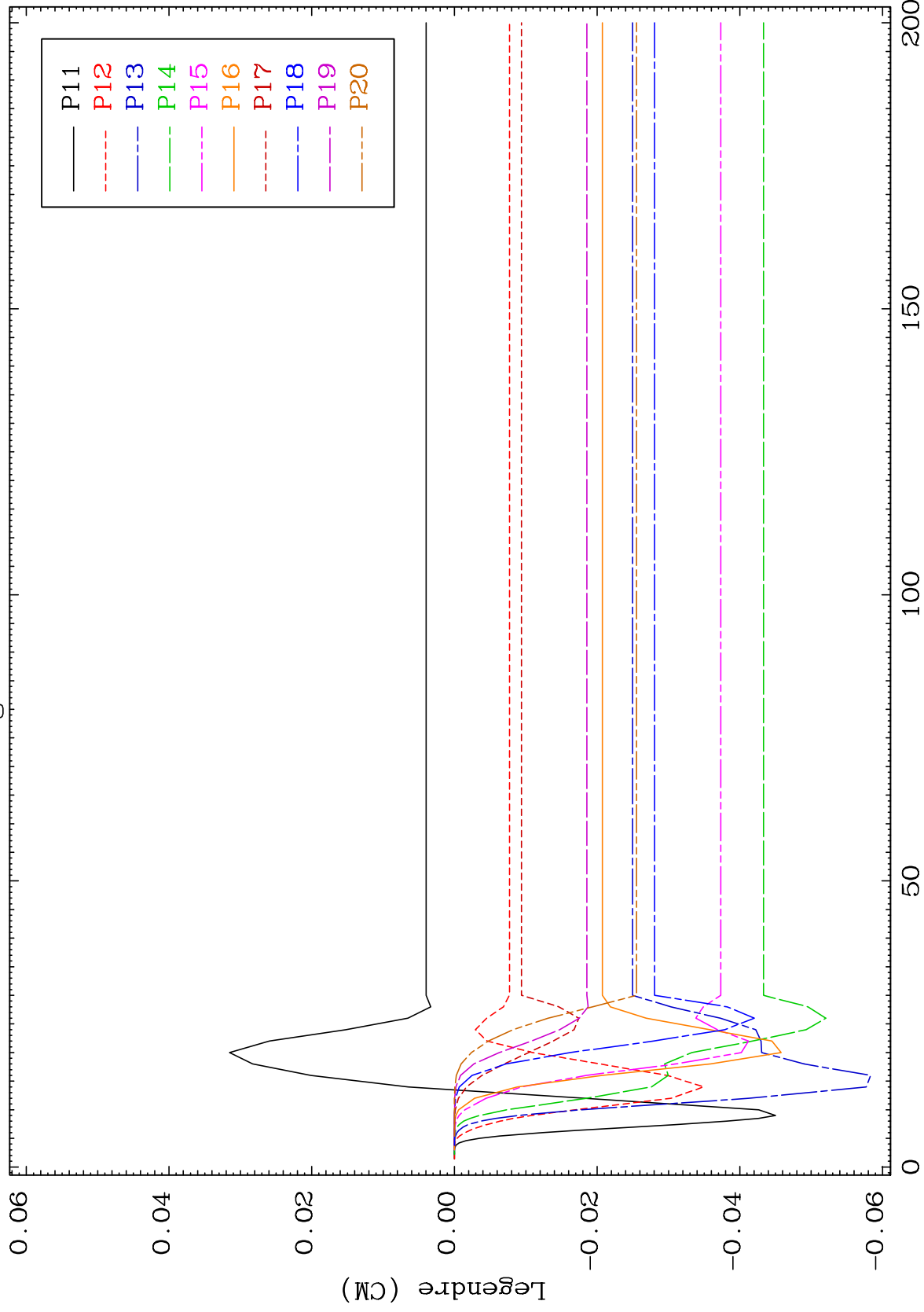
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77-Ir-171

MAT 7665

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

77-Ir-171

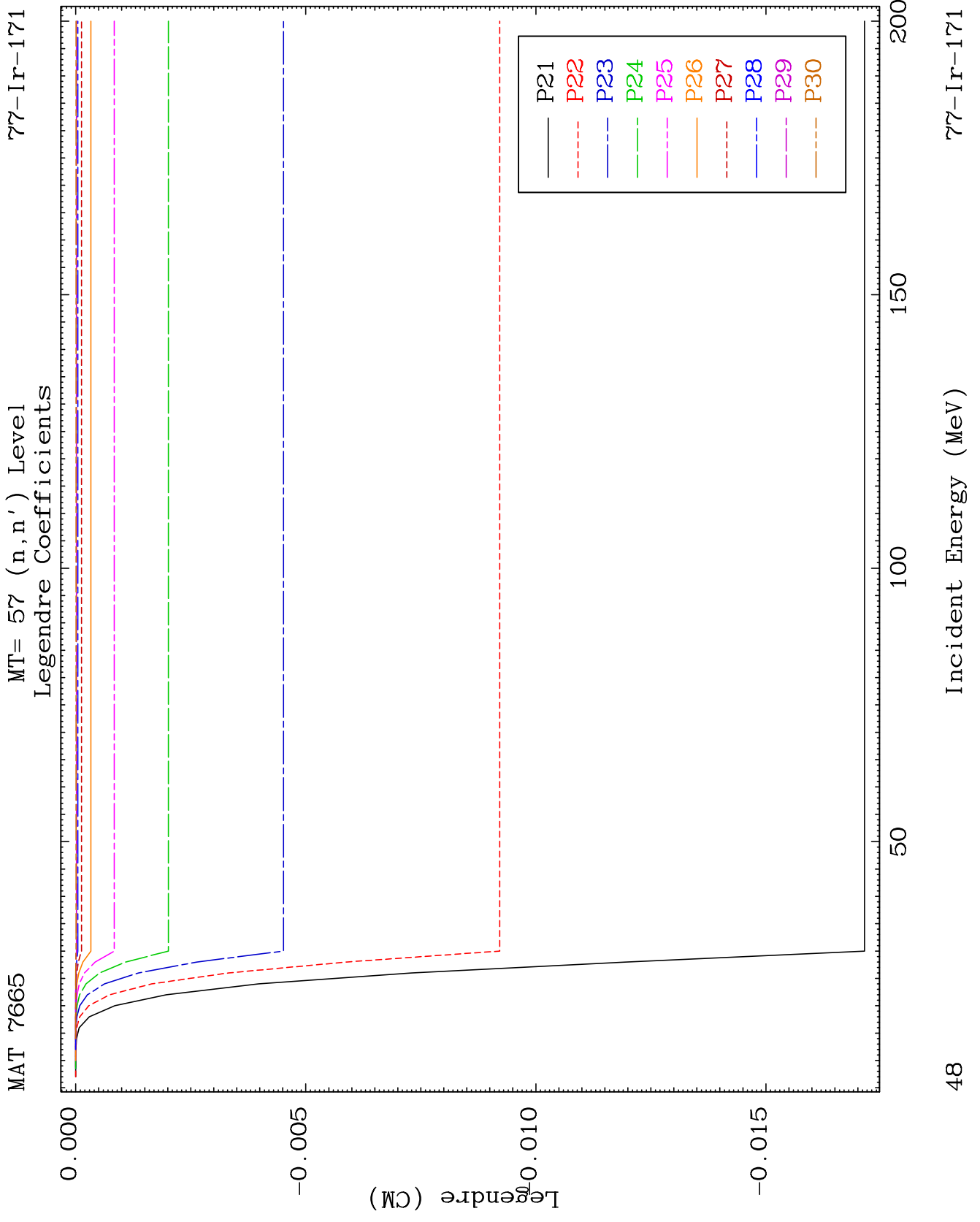


47

Incident Energy (MeV)

77-Ir-171



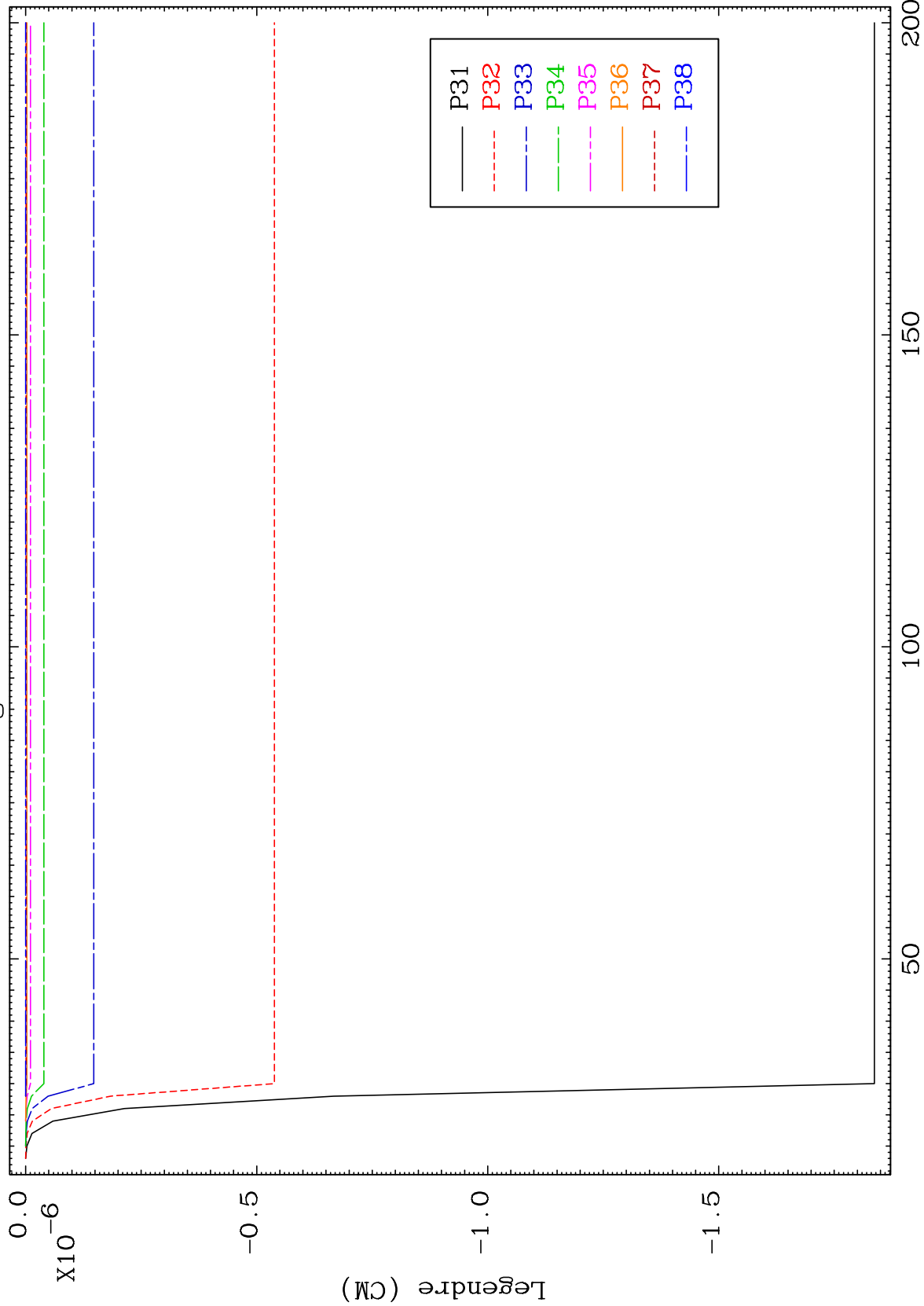


MAT 7665

MT= 57 (n,n') Level

77-Ir-171

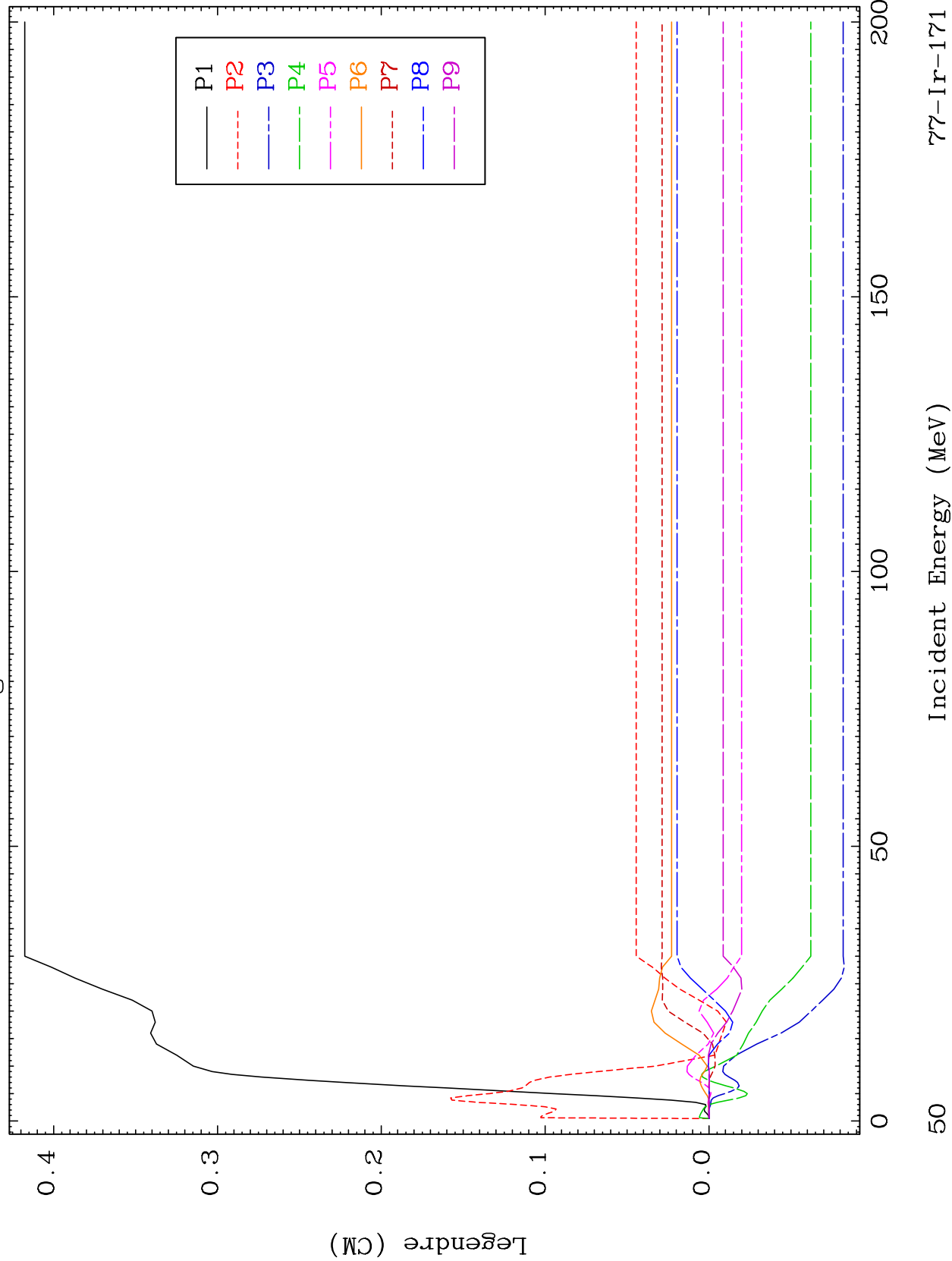
Legendre Coefficients



MAT 7665

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

77-Ir-171



77-Ir-171

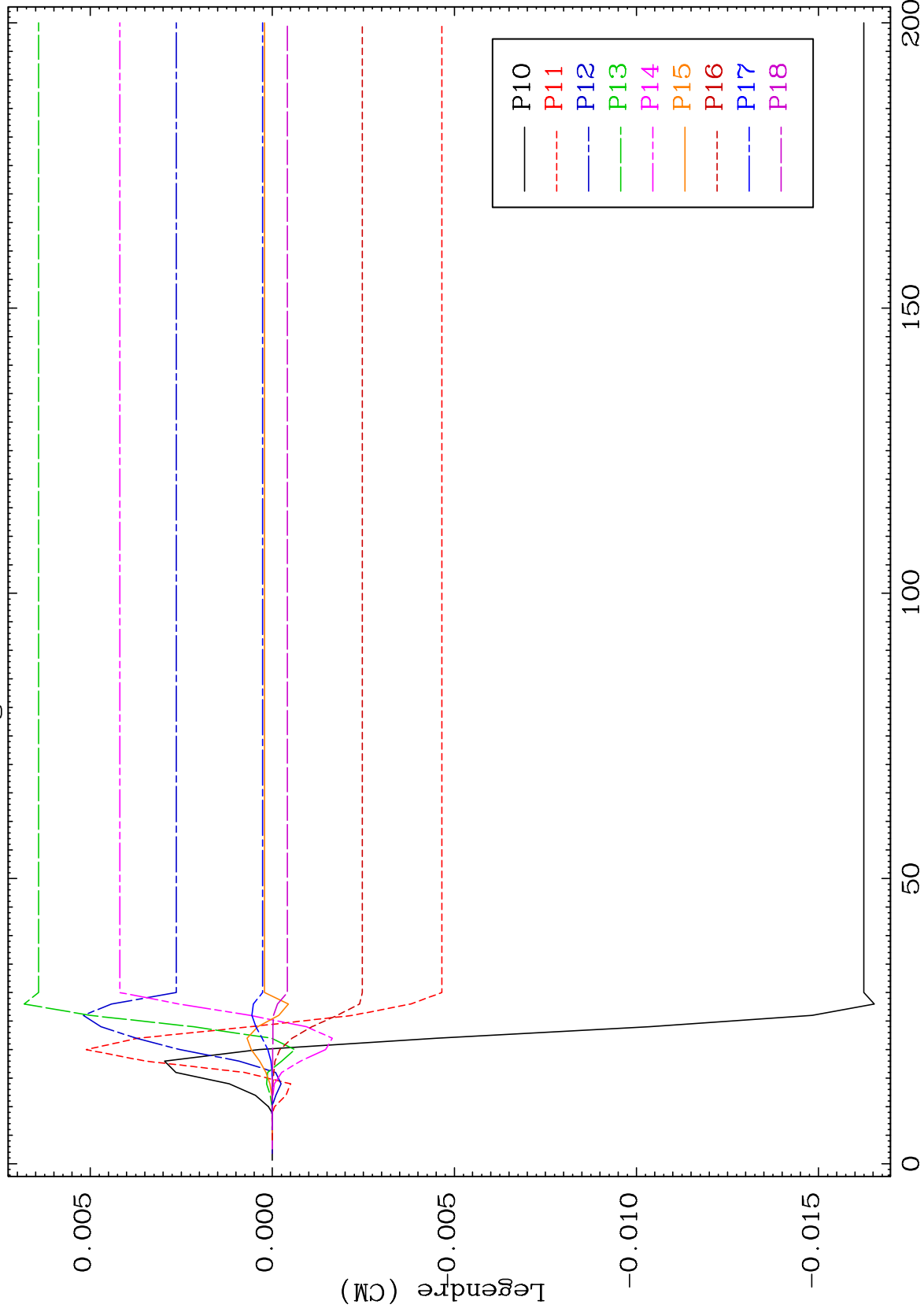
Incident Energy (MeV)

50

MAT 7665

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

77-Ir-171



51

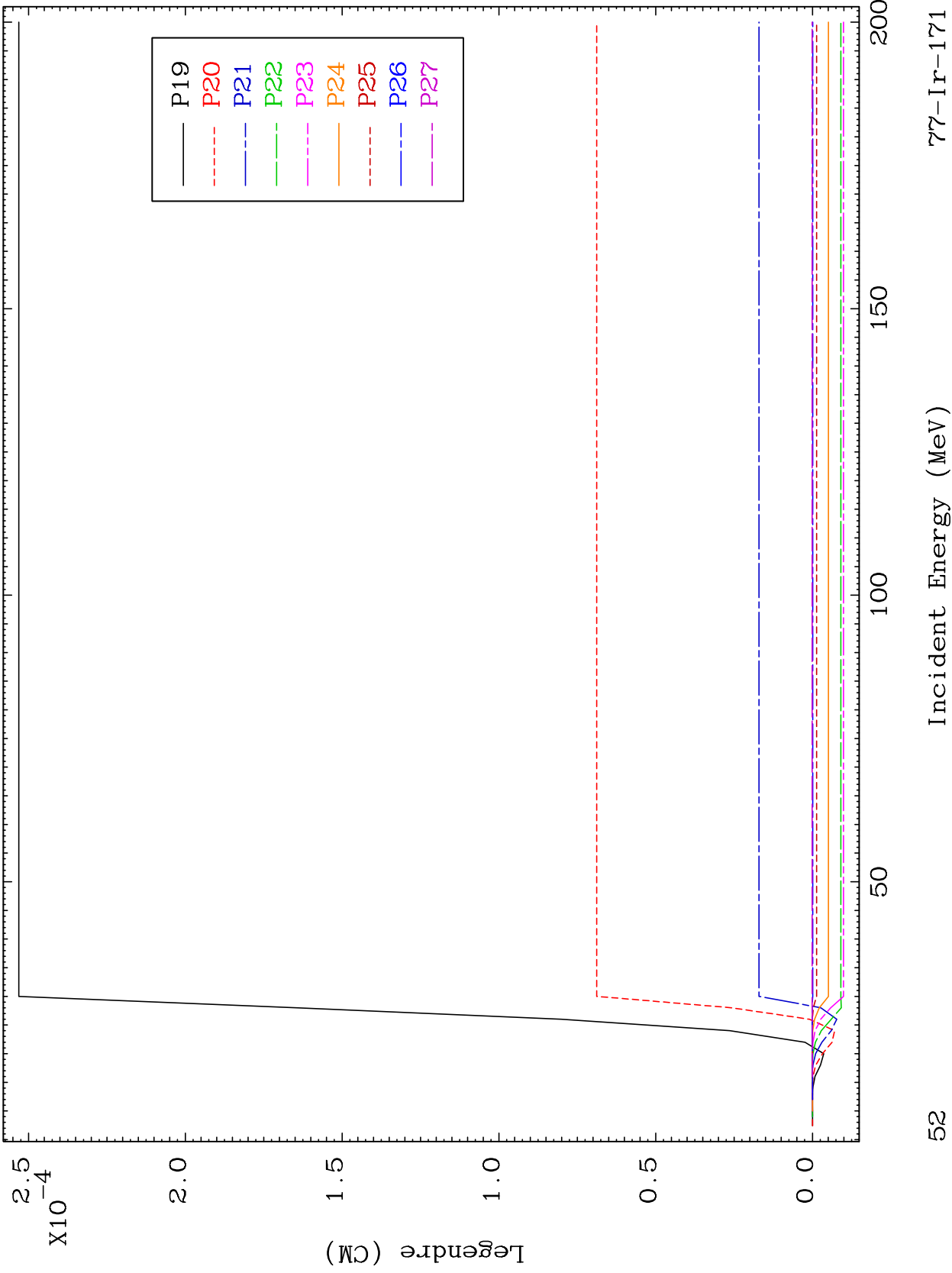
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



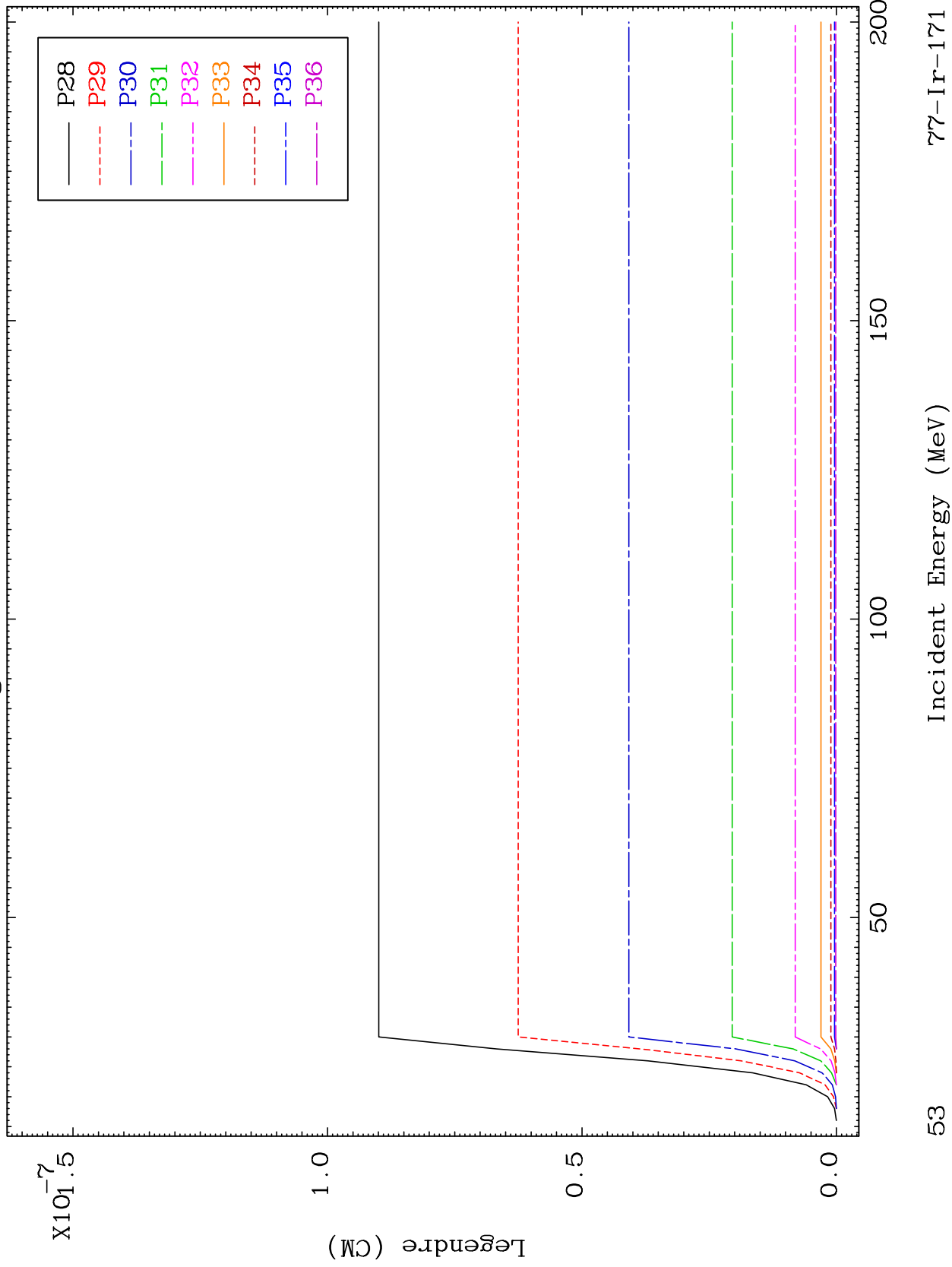
52

77-Ir-171

MAT 7665

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

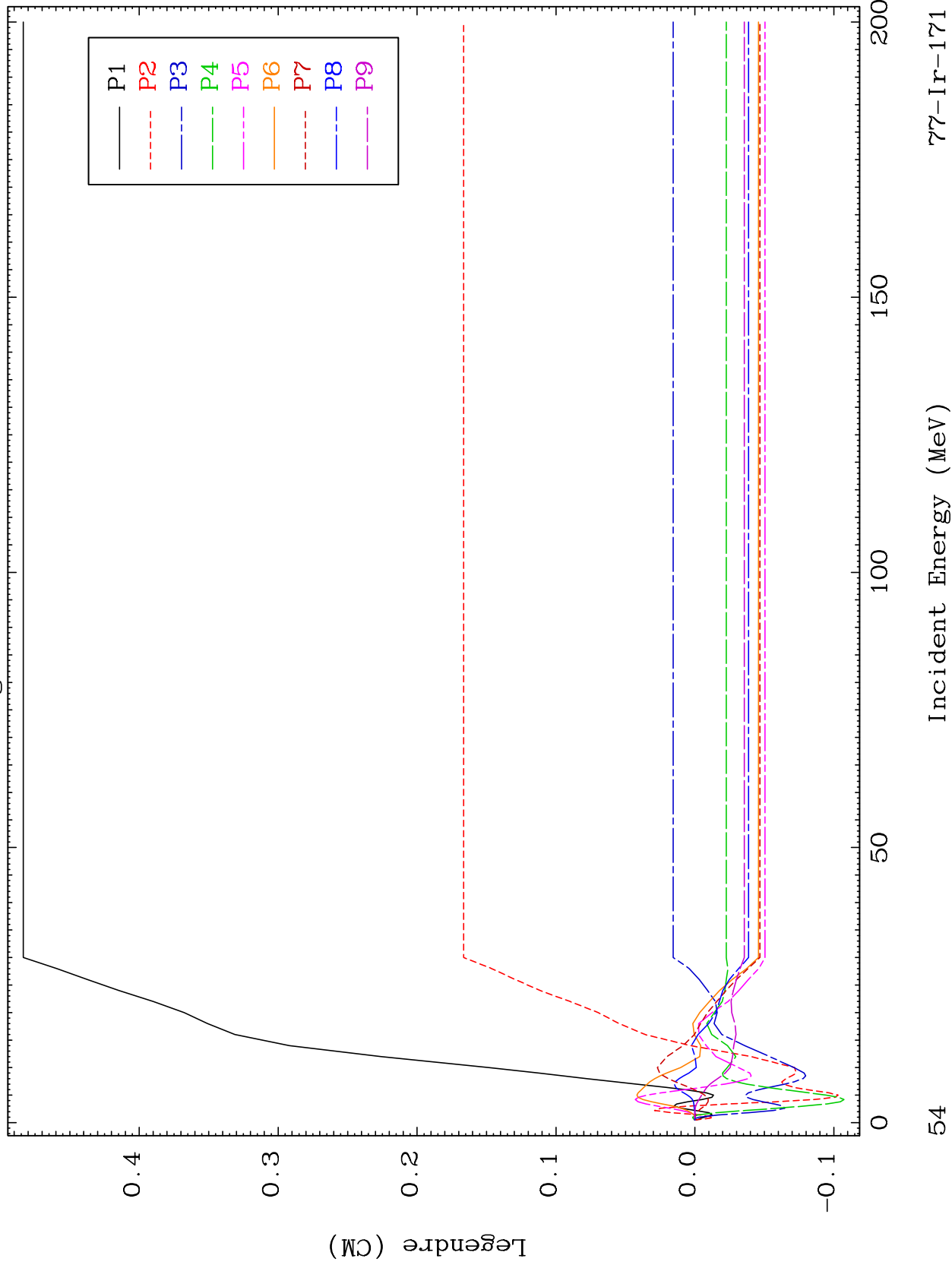
77-Ir-171



MAT 7665

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

77-Ir-171



77-Ir-171

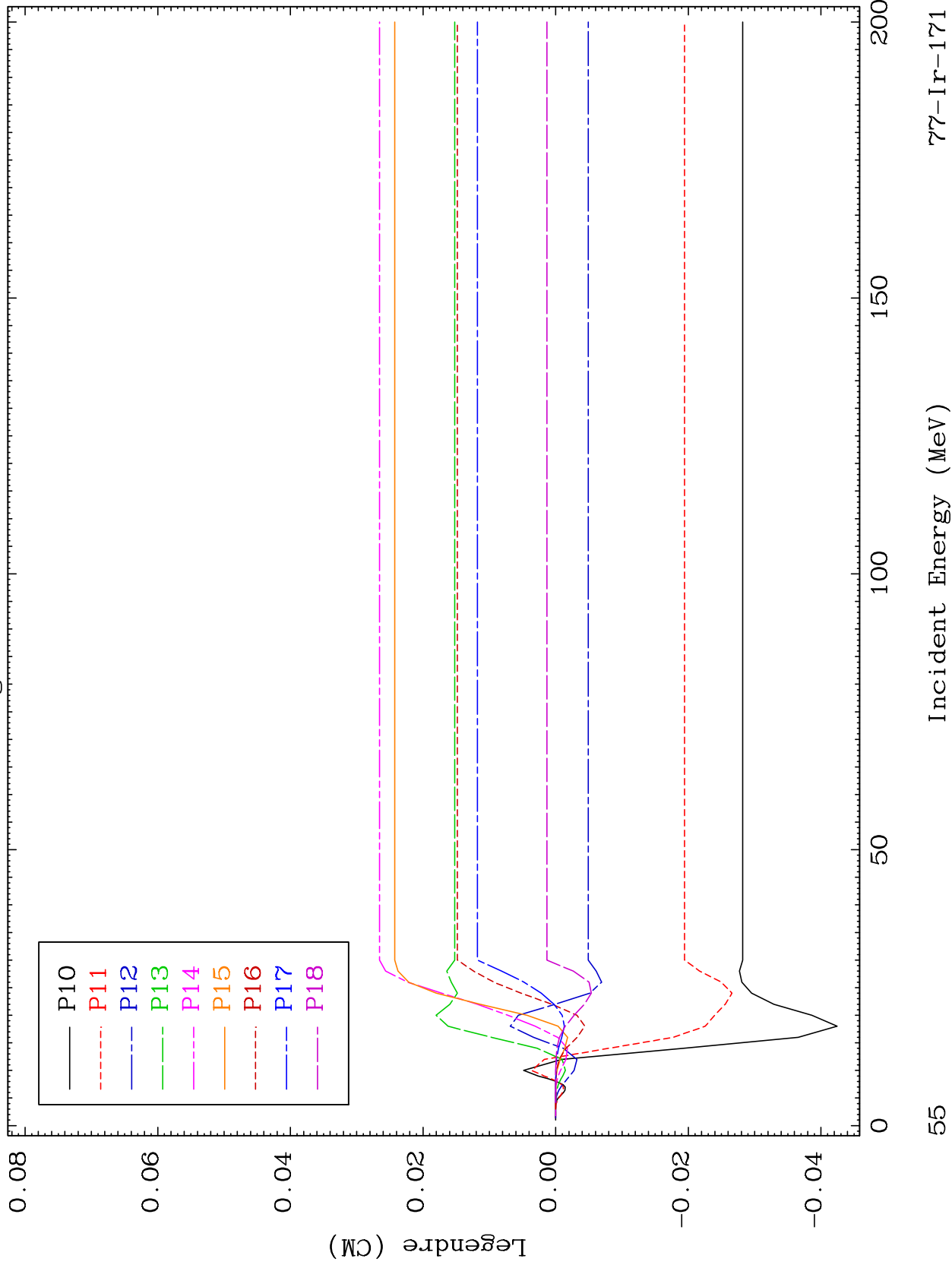
Incident Energy (MeV)

54

MAT 7665

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

77-Ir-171



77-Ir-171

Incident Energy (MeV)

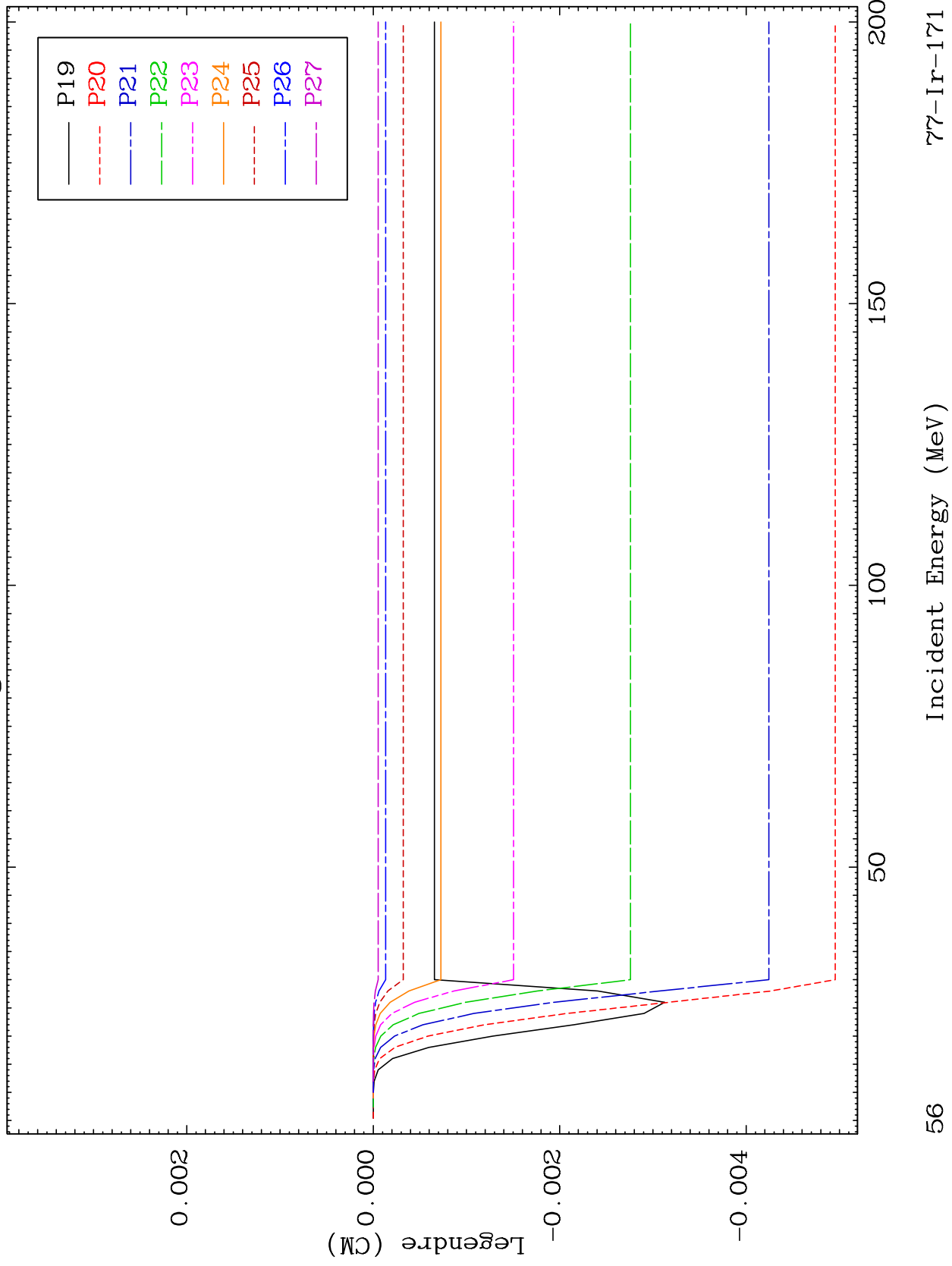
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MAT 7665

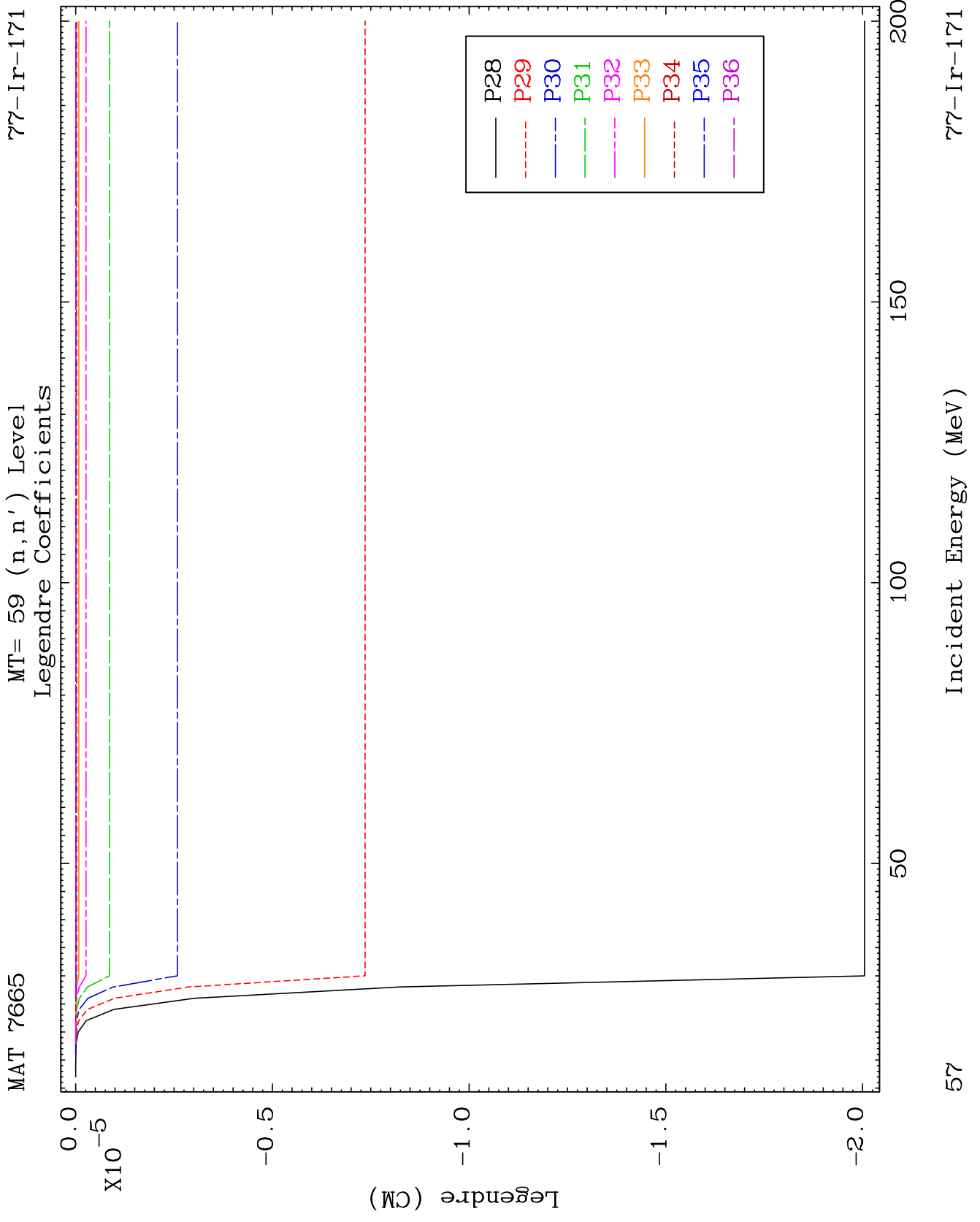
MT= 59 (n,n') Level  
Legendre Coefficients

77-Ir-171



56

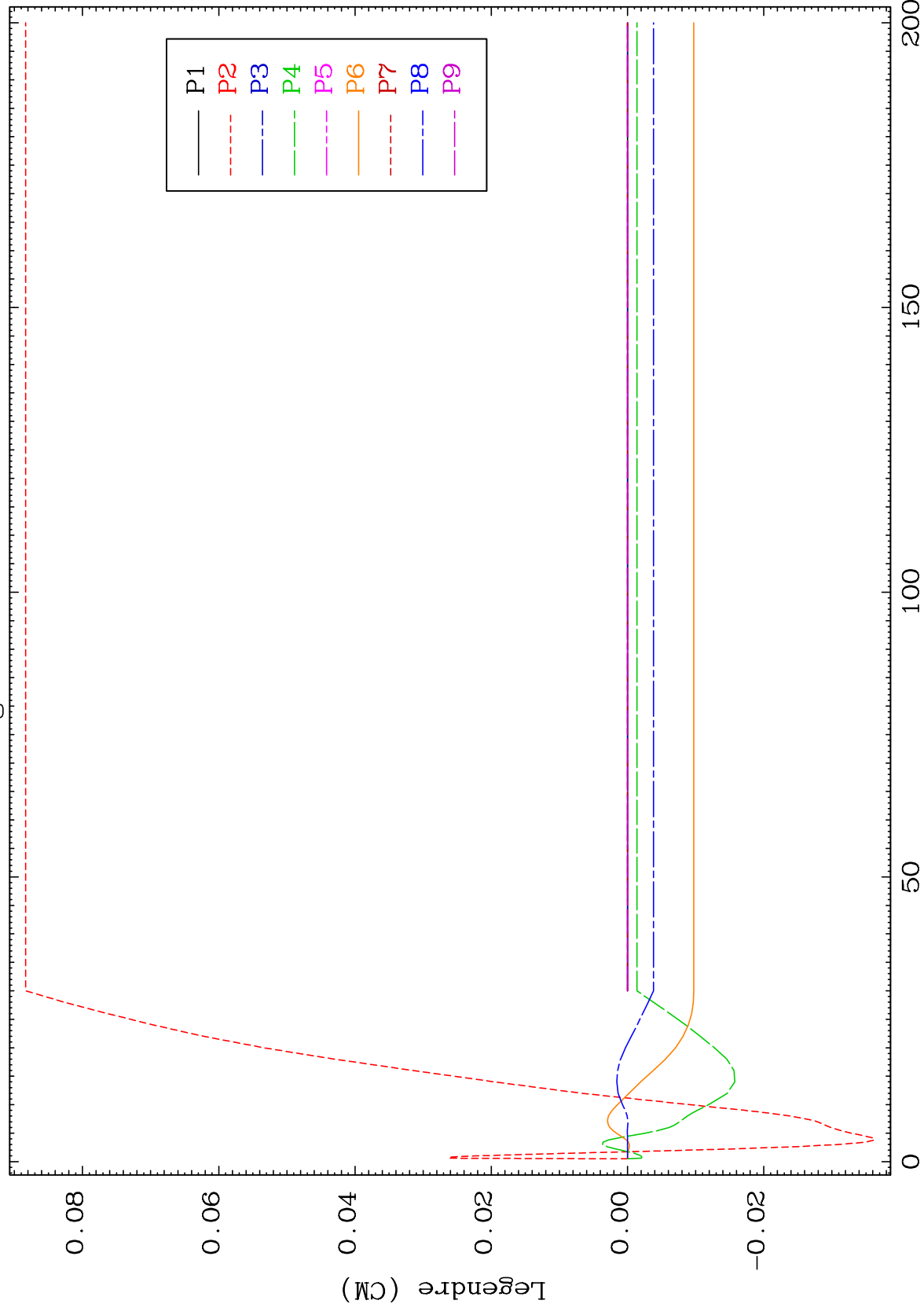
77-Ir-171



MAT 7665

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

77-Ir-171



77-Ir-171

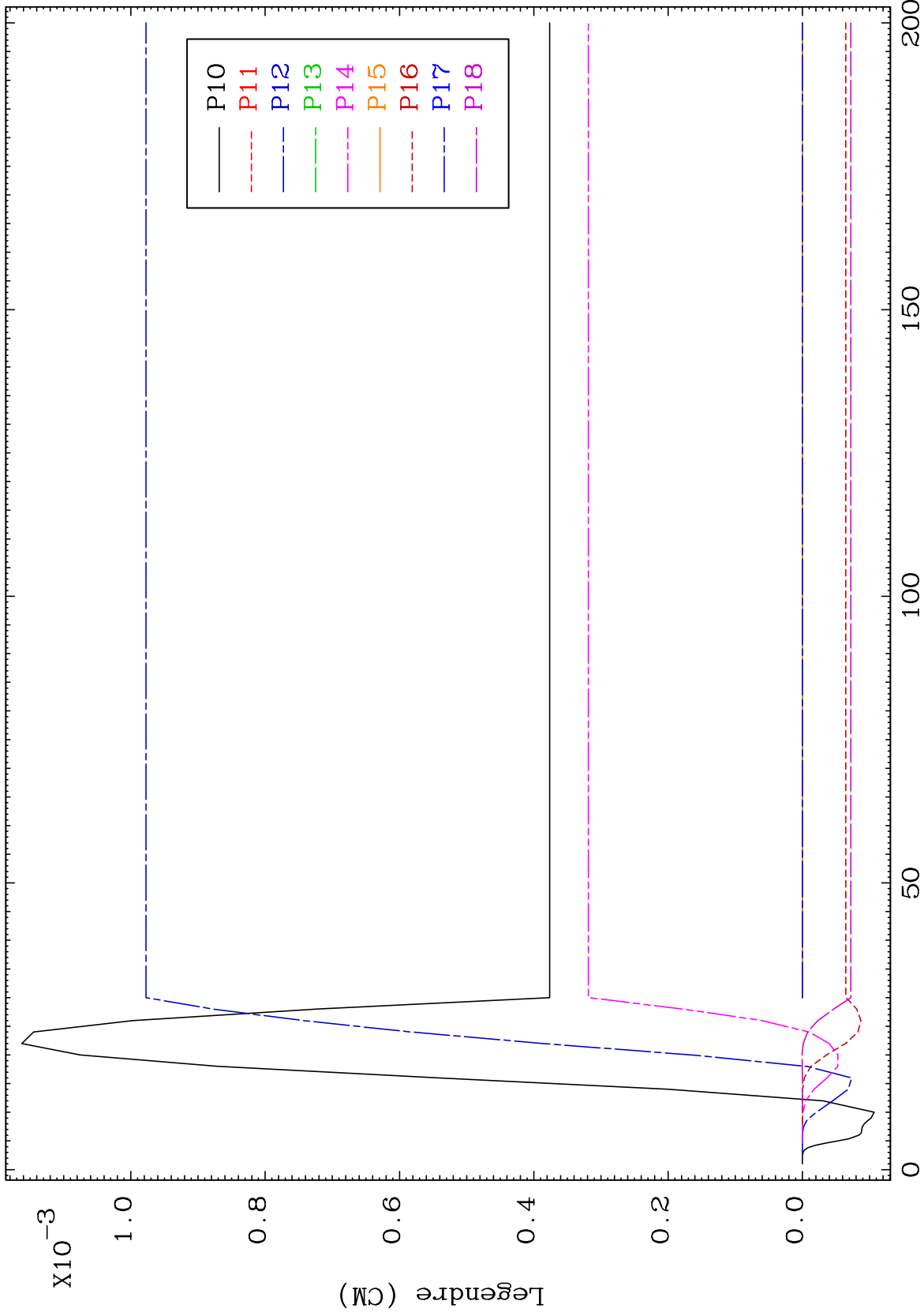
Incident Energy (MeV)

58

MAT 7665

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

77-Ir-171



59

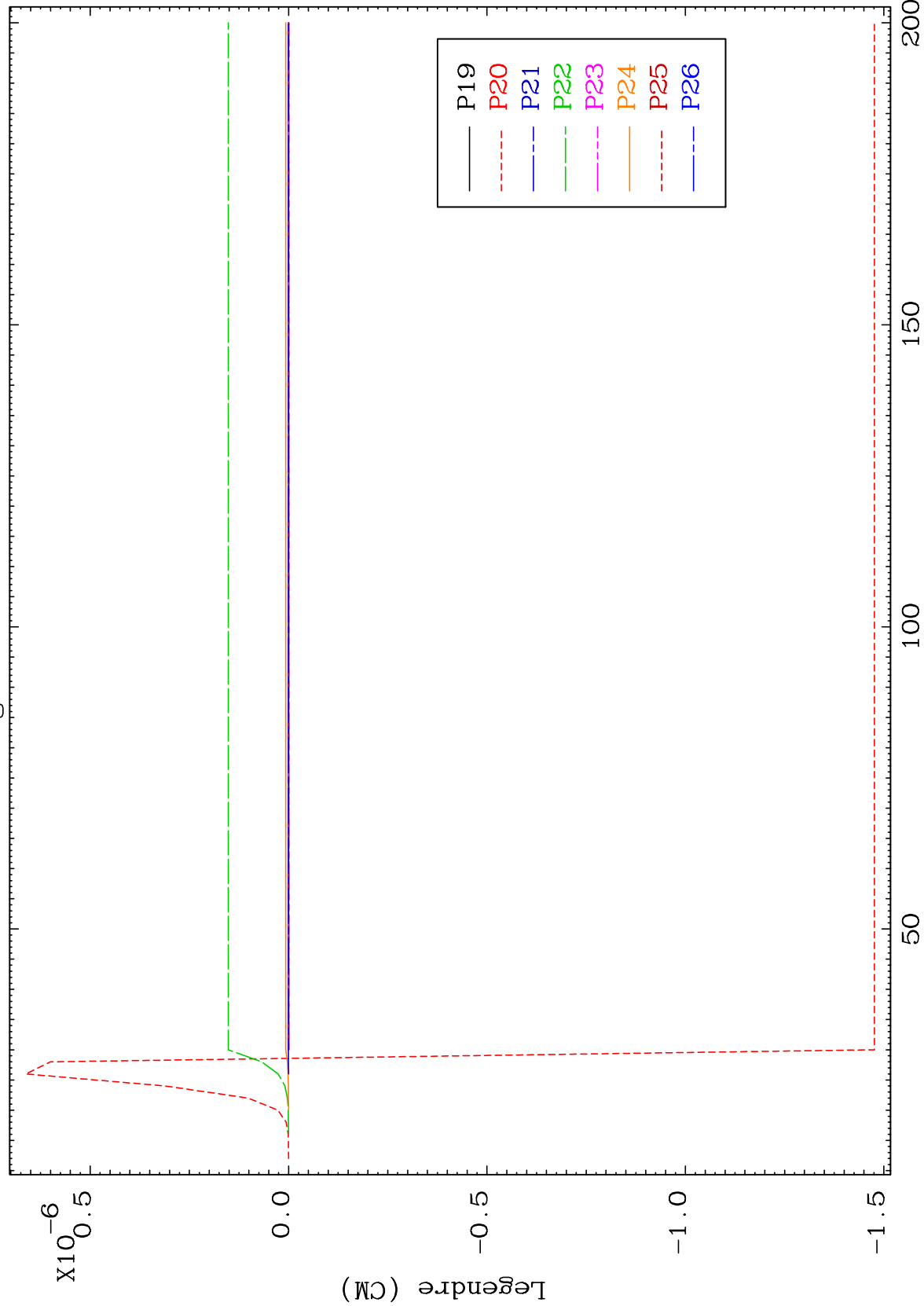
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



60

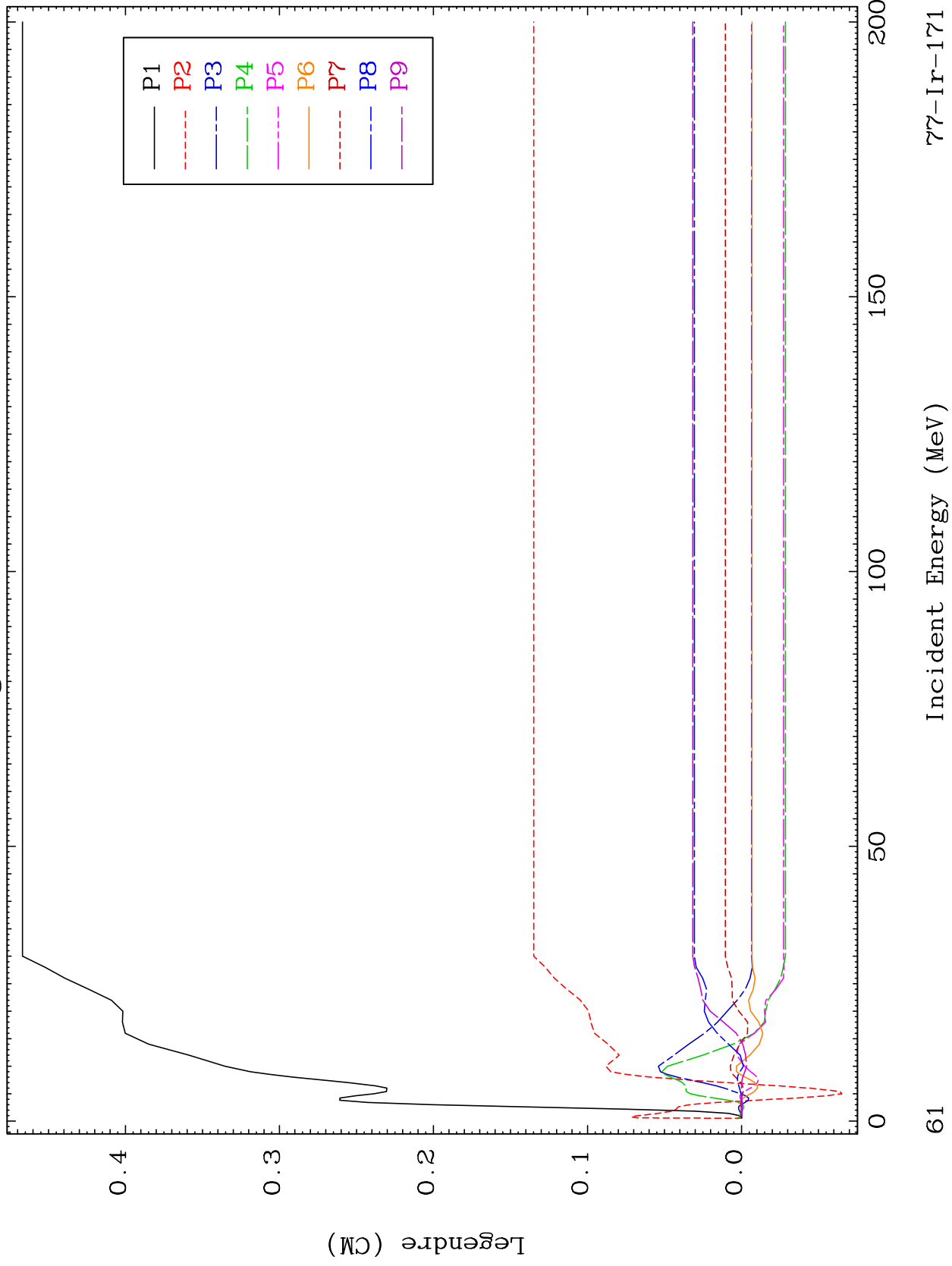
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171

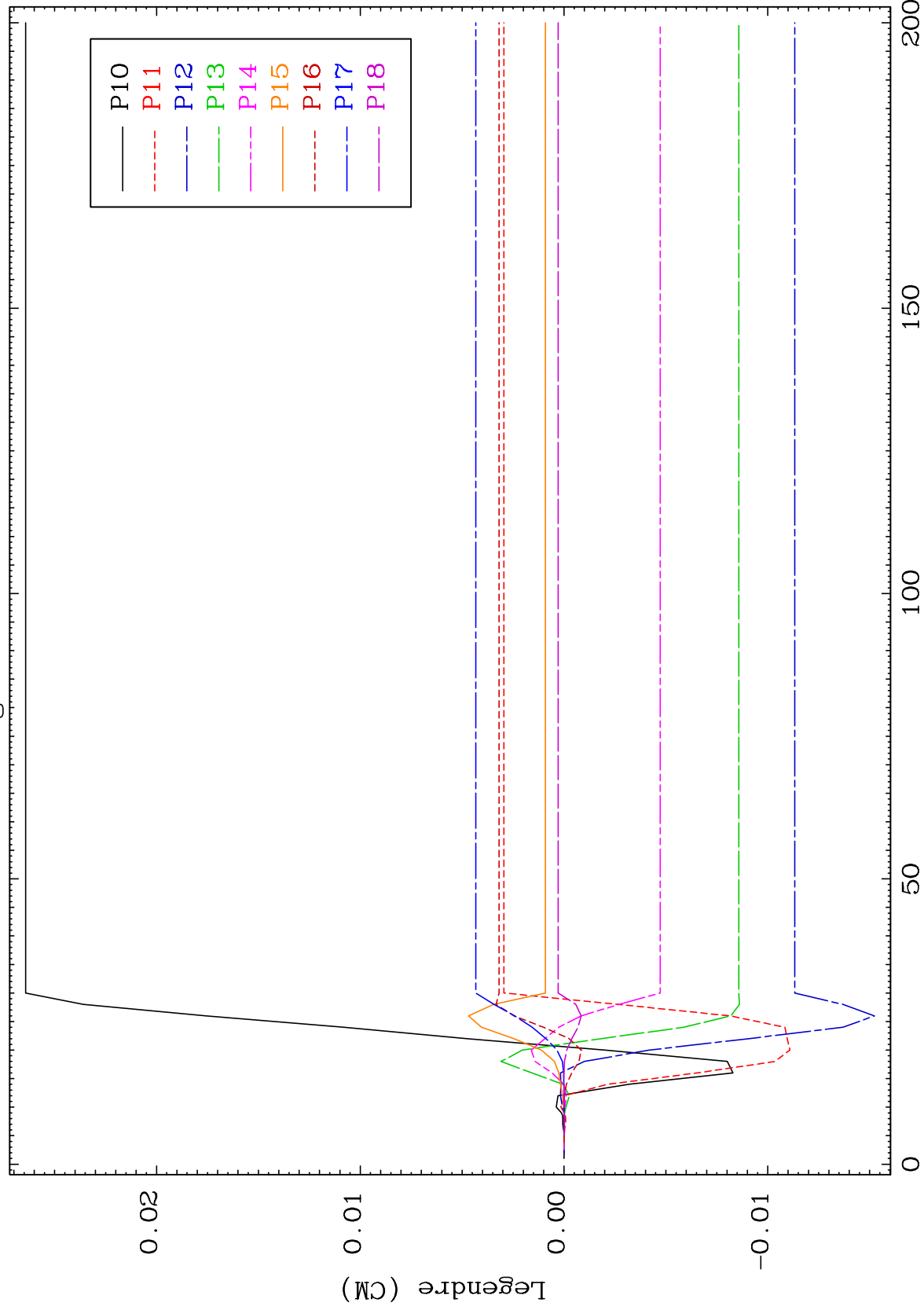


77-Ir-171

MAT 7665

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

77-Ir-171



62

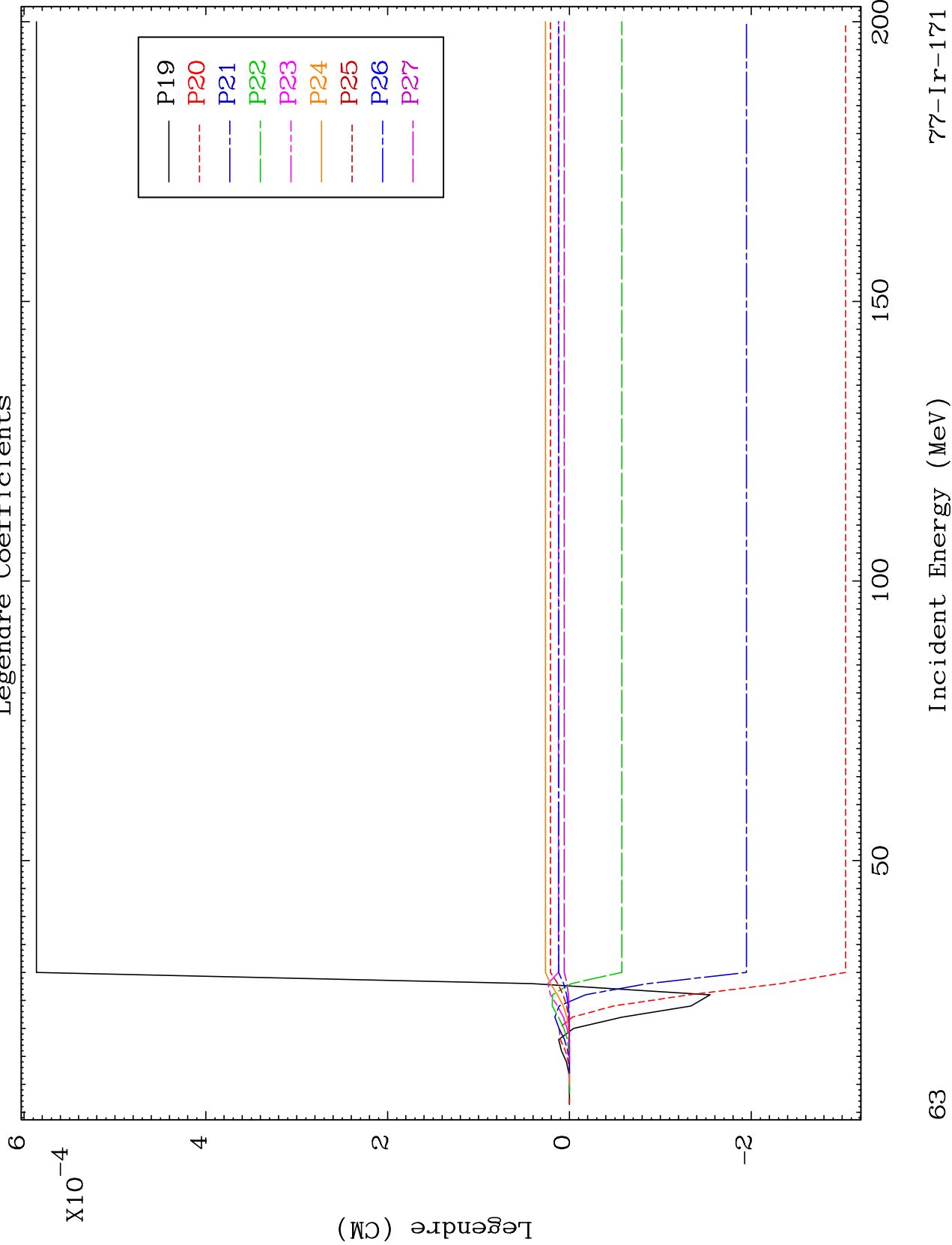
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171

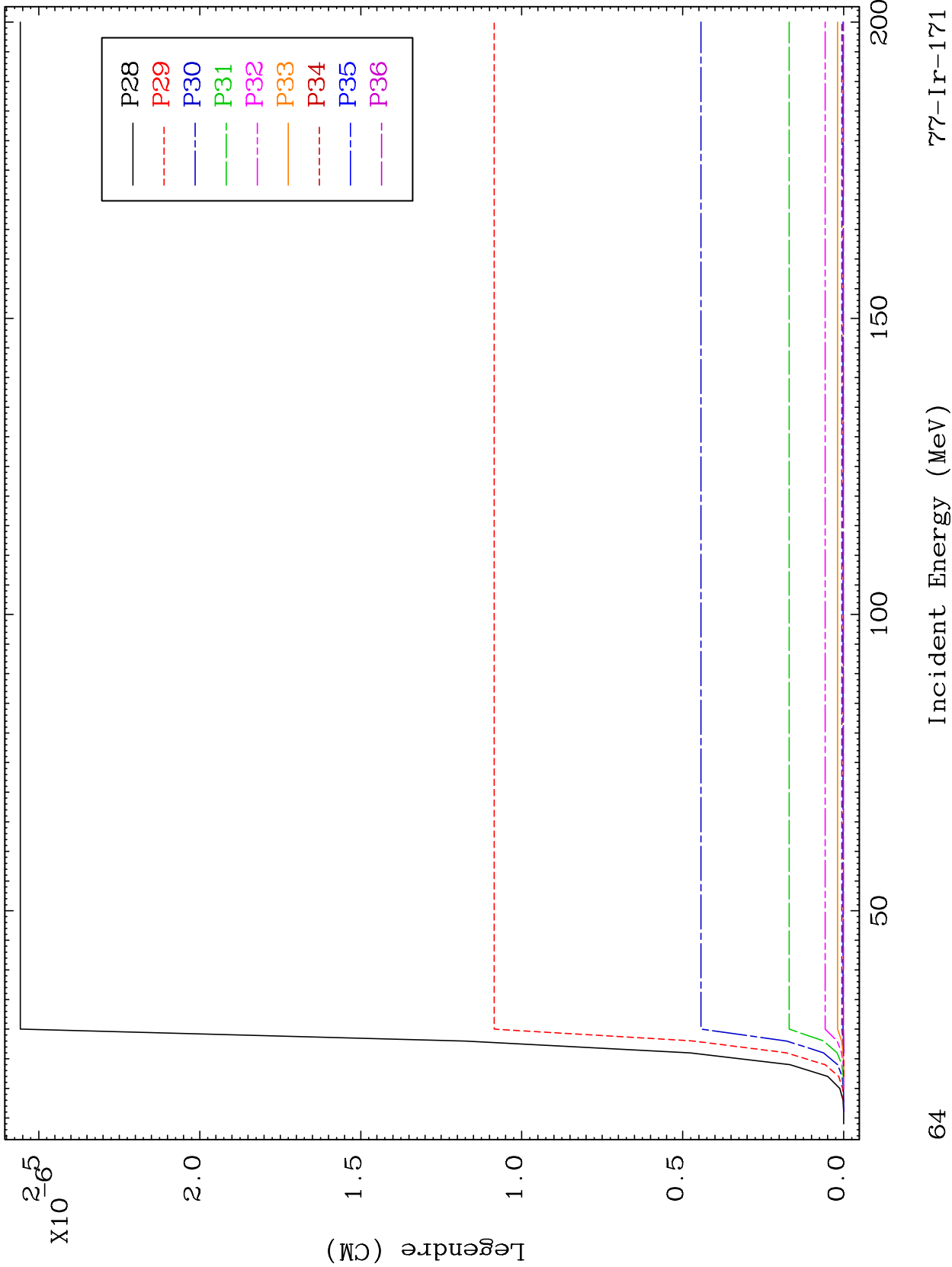




MAT 7665

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

77-Ir-171



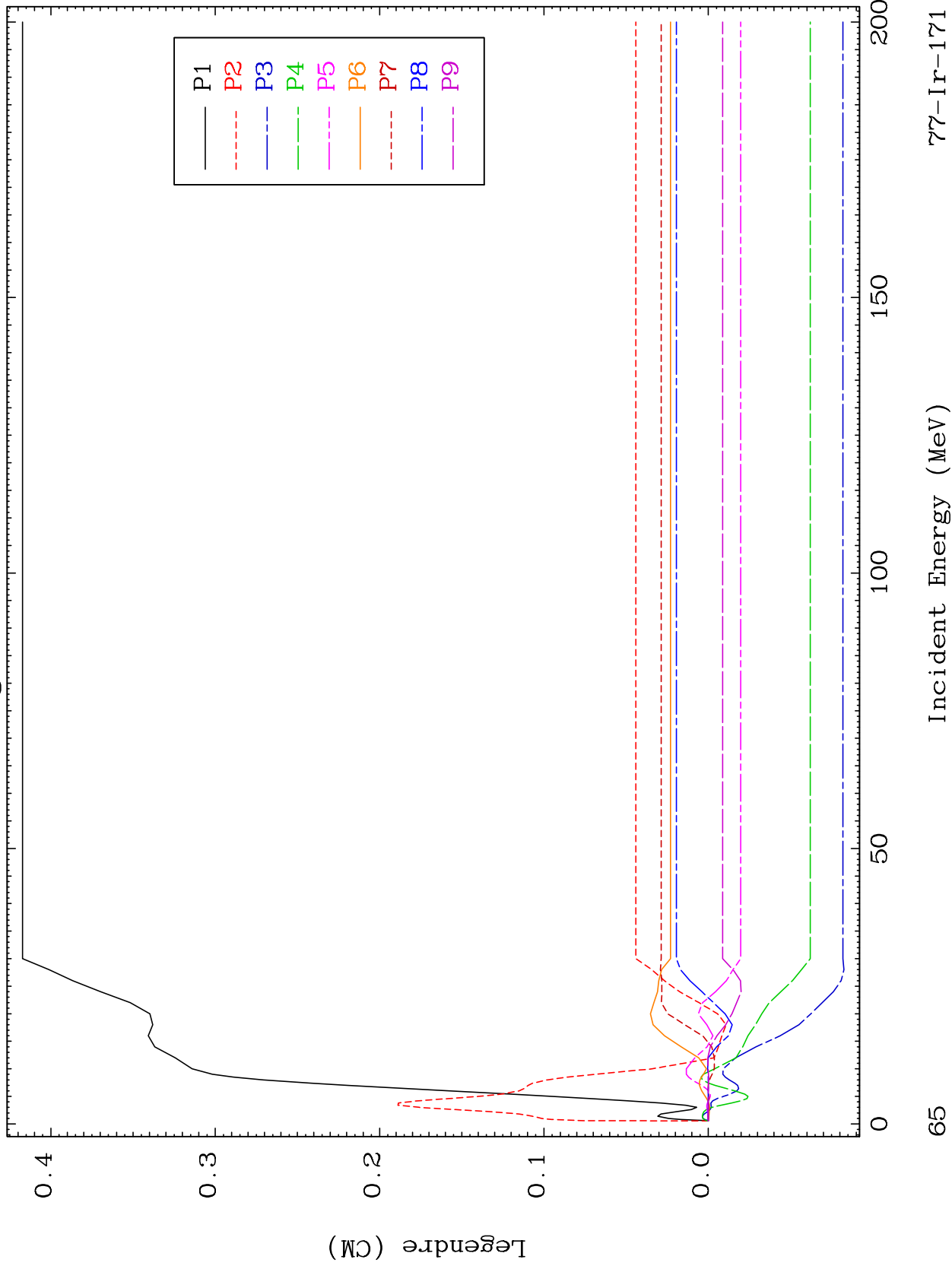
64

77-Ir-171

MAT 7665

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

77-Ir-171



77-Ir-171

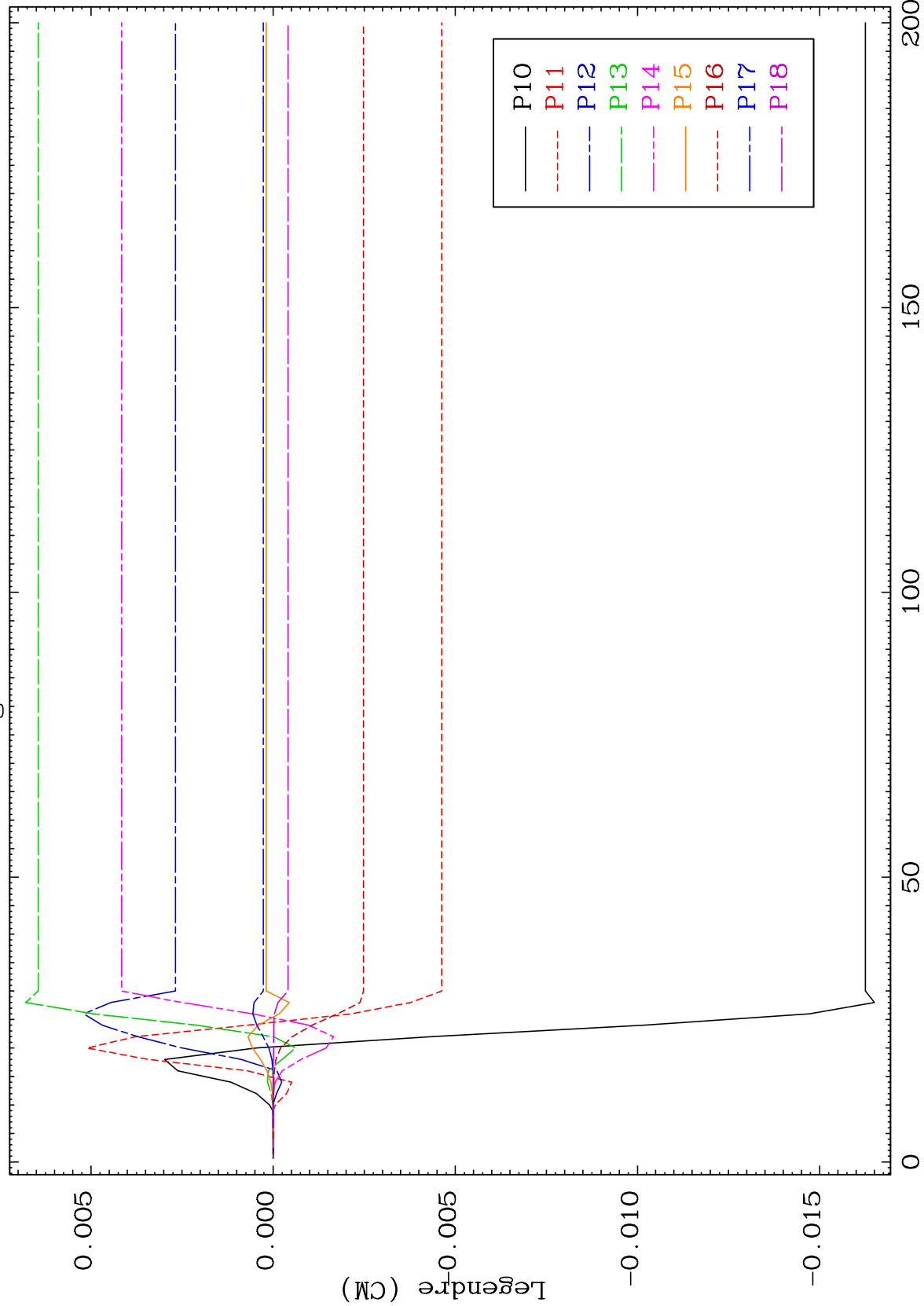
Incident Energy (MeV)

65

MAT 7665

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

77-Ir-171



66

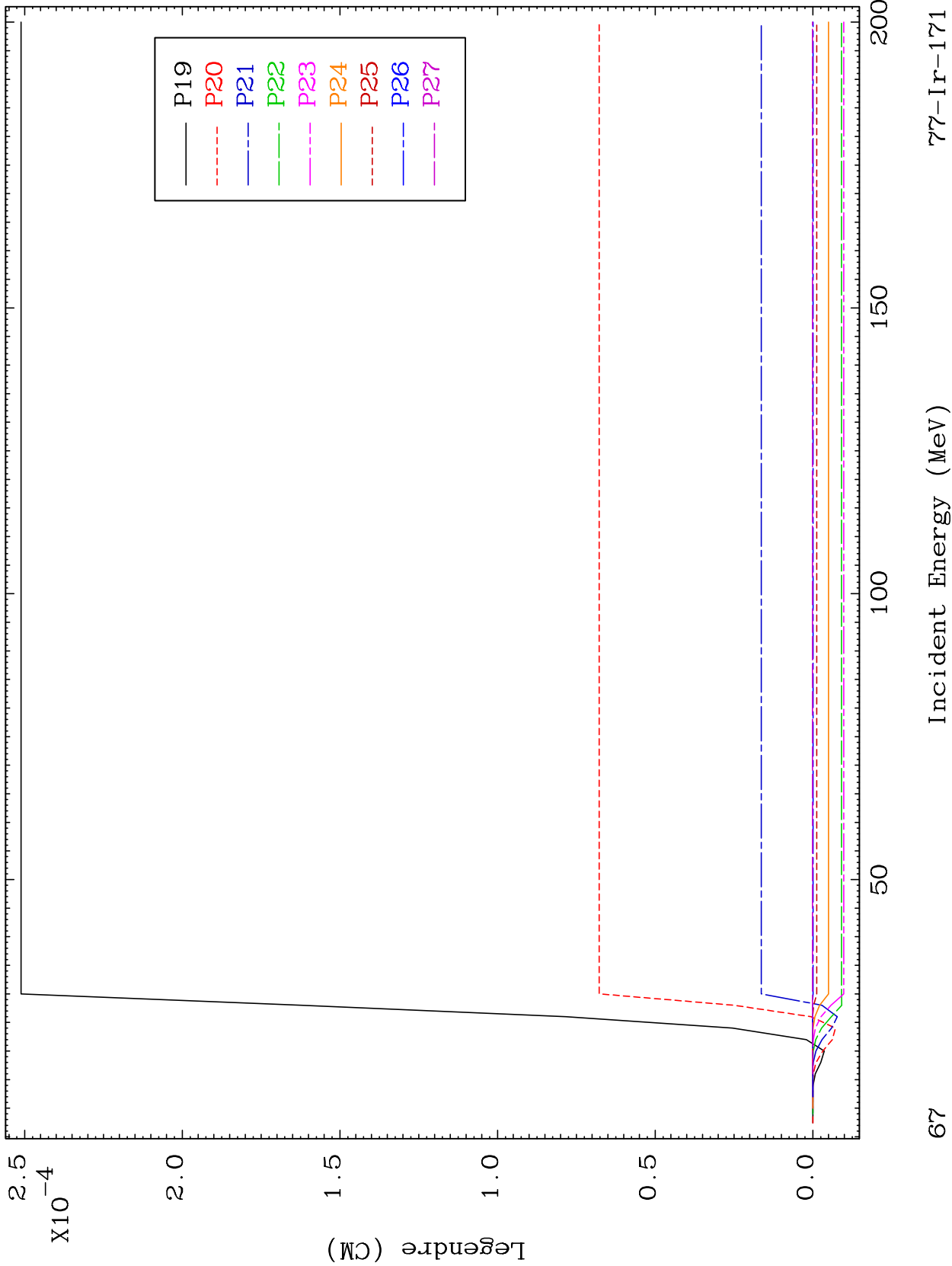
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



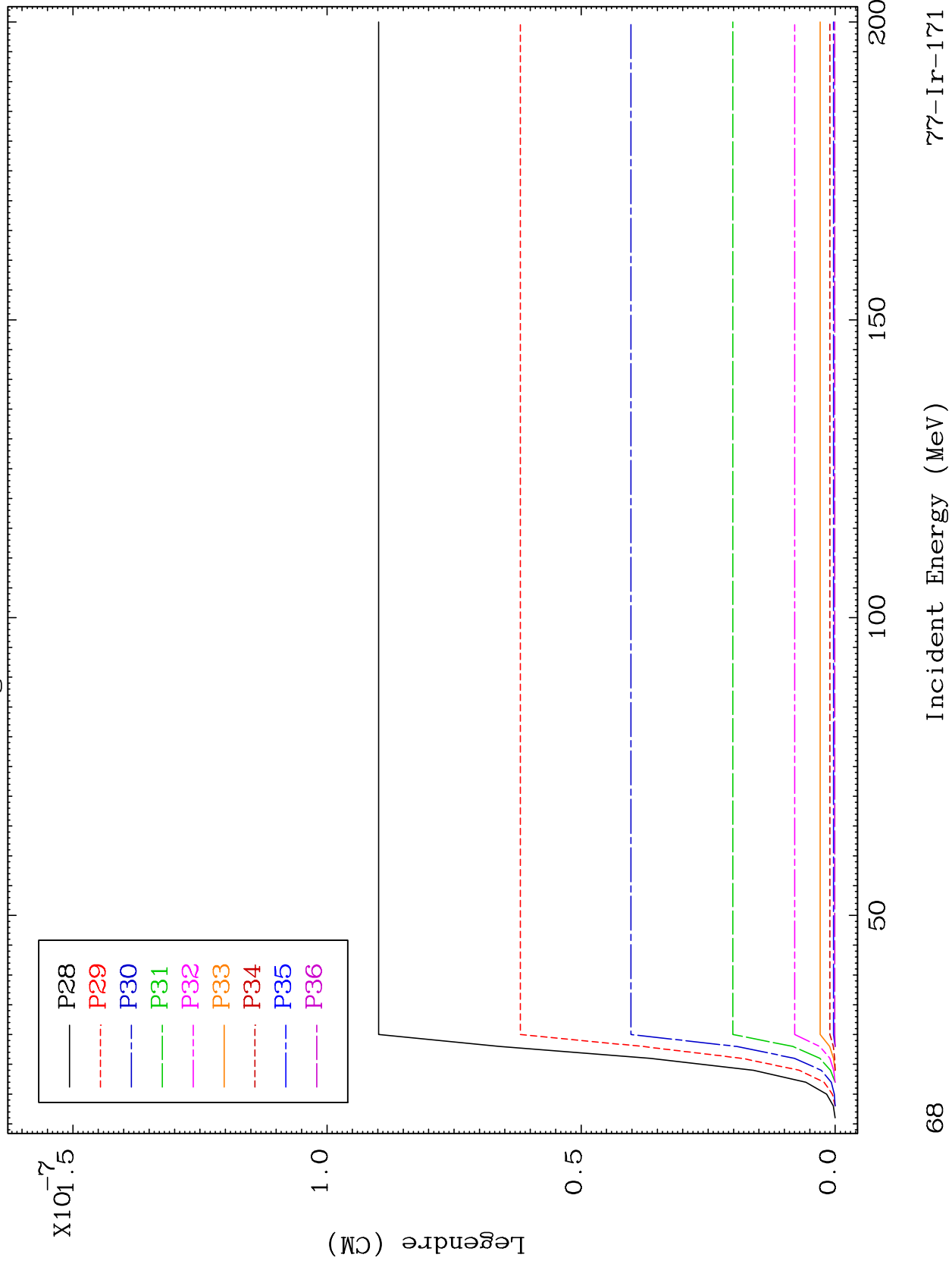
67

77-Ir-171

MAT 7665

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

77-Ir-171

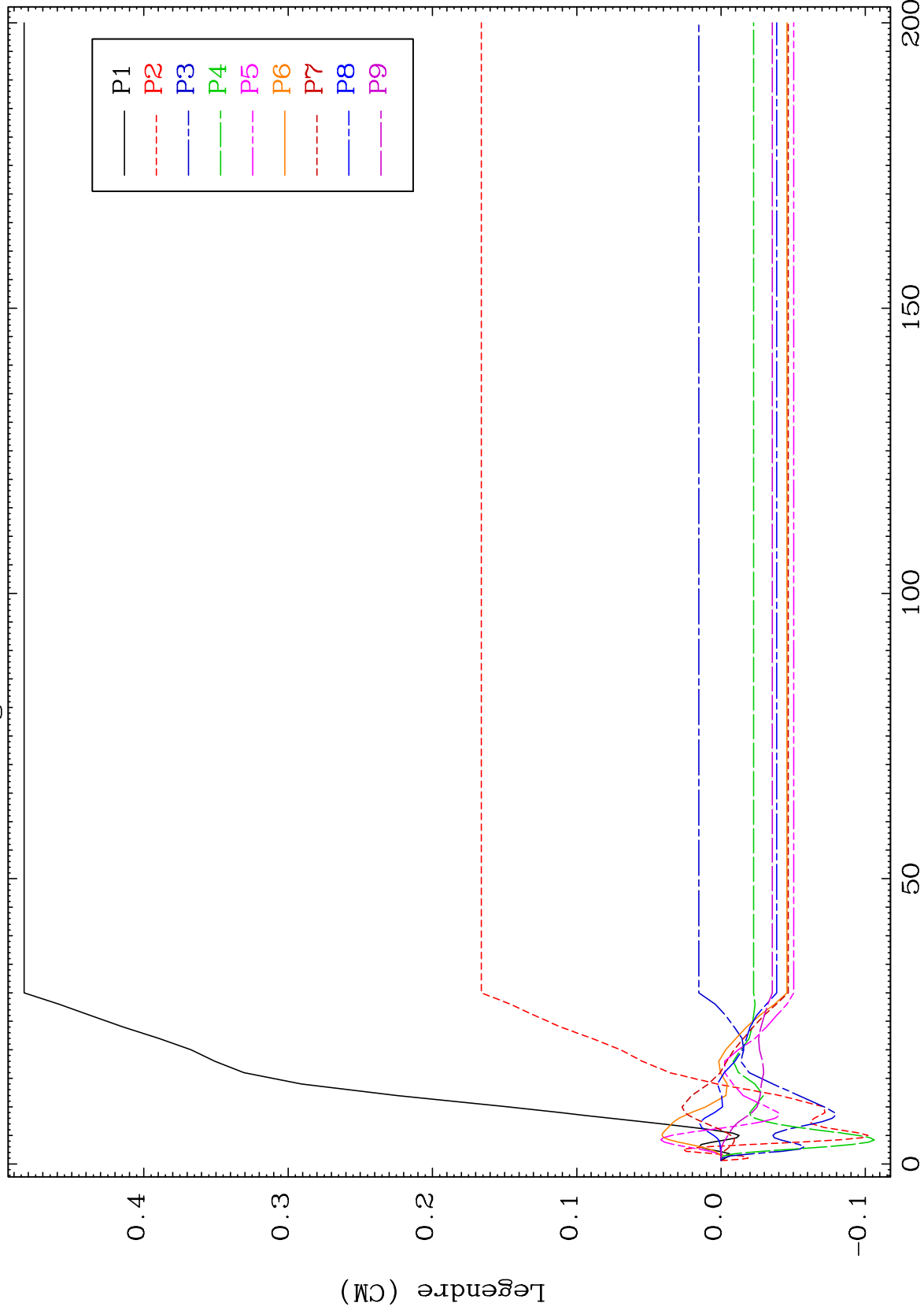


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MAT 7665

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

77-Ir-171



77-Ir-171

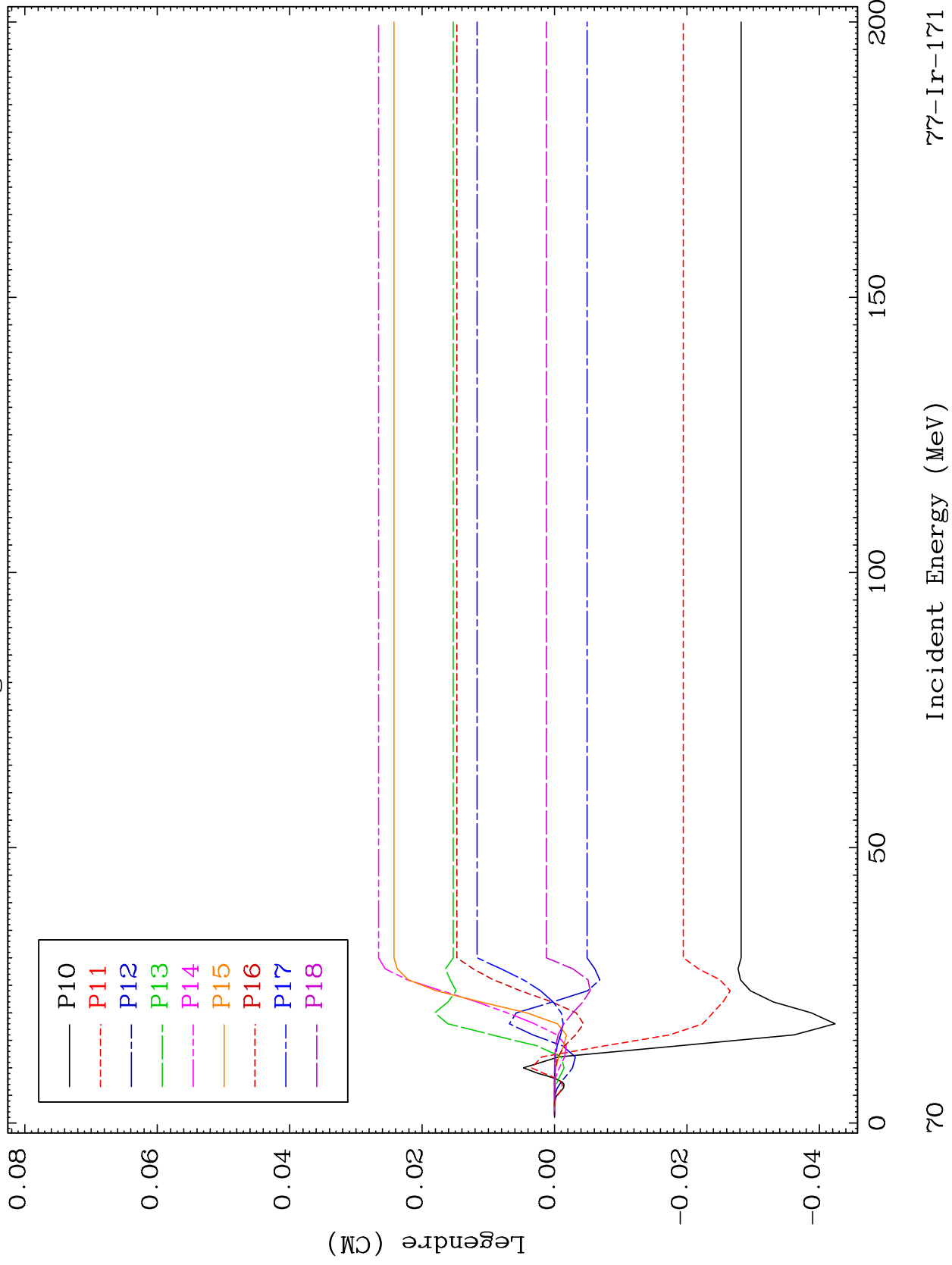
Incident Energy (MeV)

69

MAT 7665

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

77-Ir-171



77-Ir-171

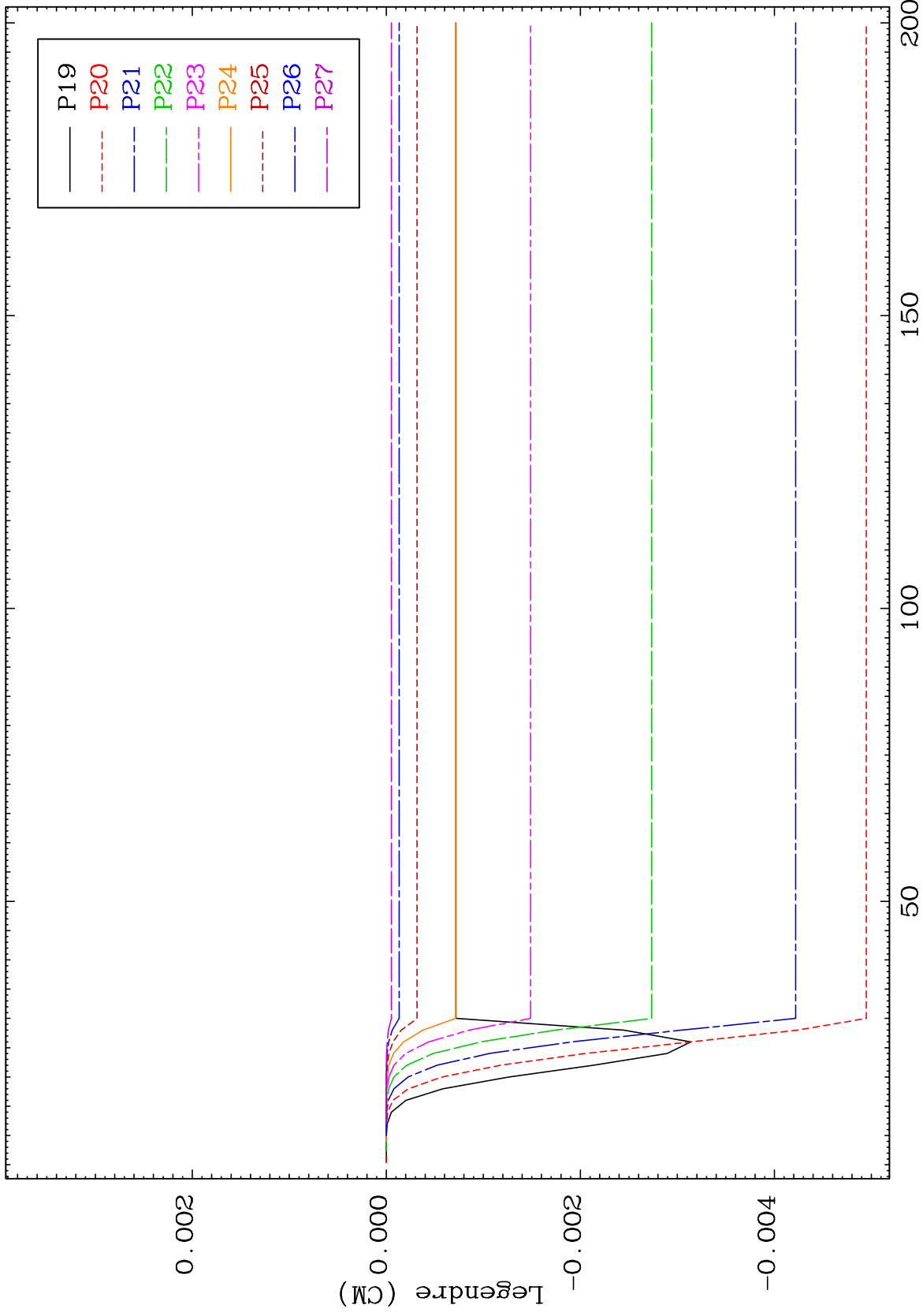
Incident Energy (MeV)

70

MAT 7665

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

77-Ir-171

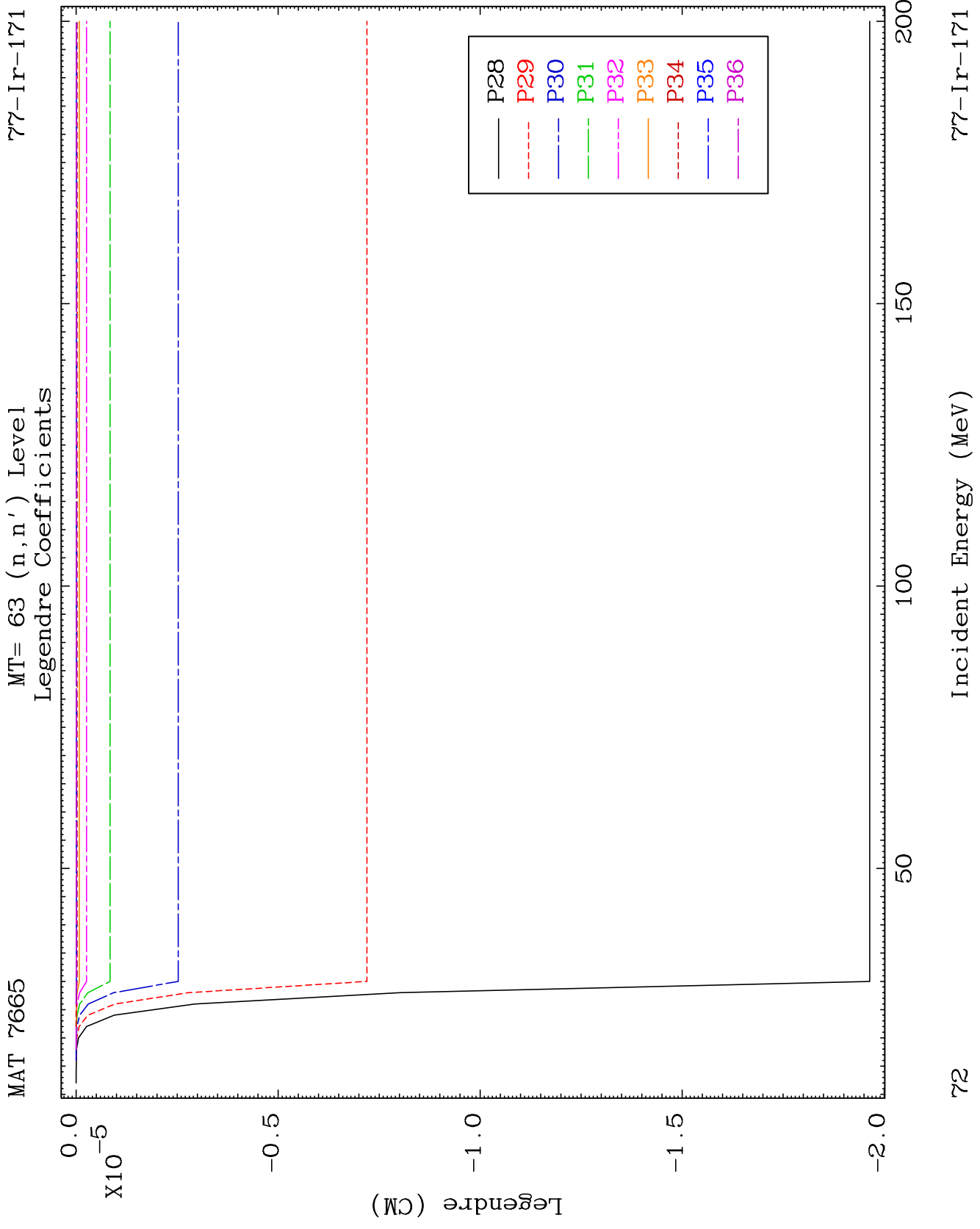


71

Incident Energy (MeV)

77-Ir-171

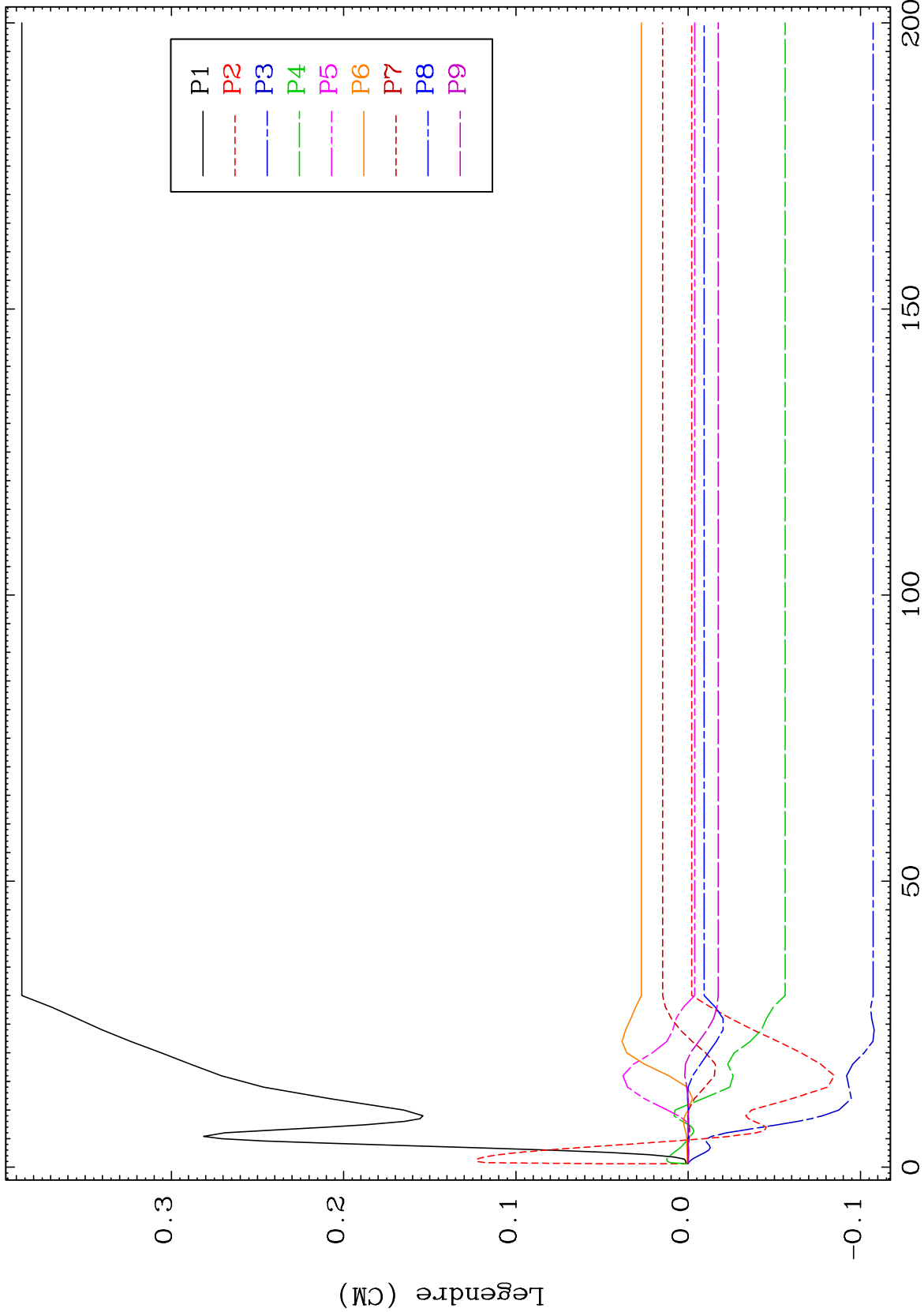




MAT 7665

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

77-Ir-171



73

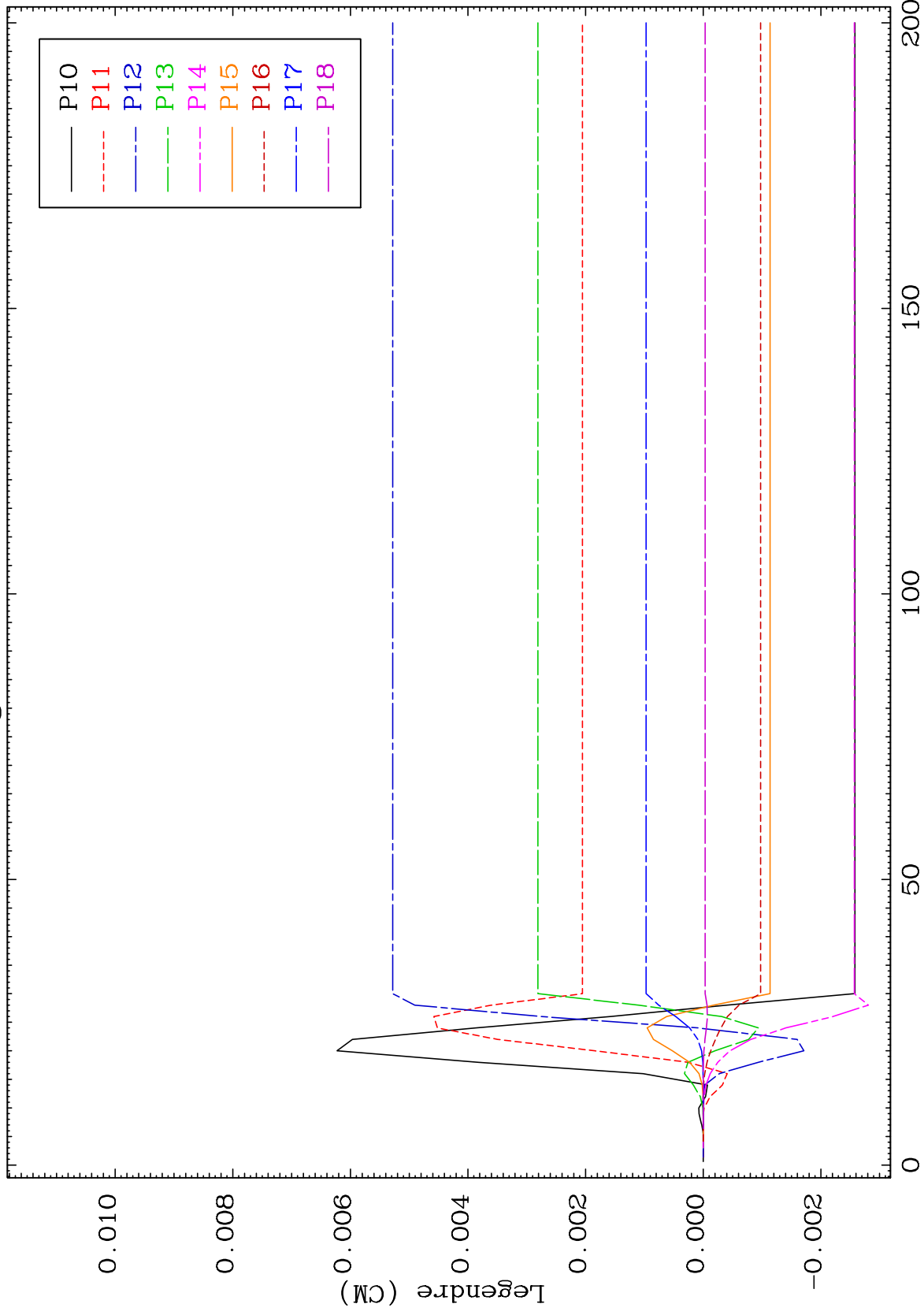
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

77-Ir-171



74

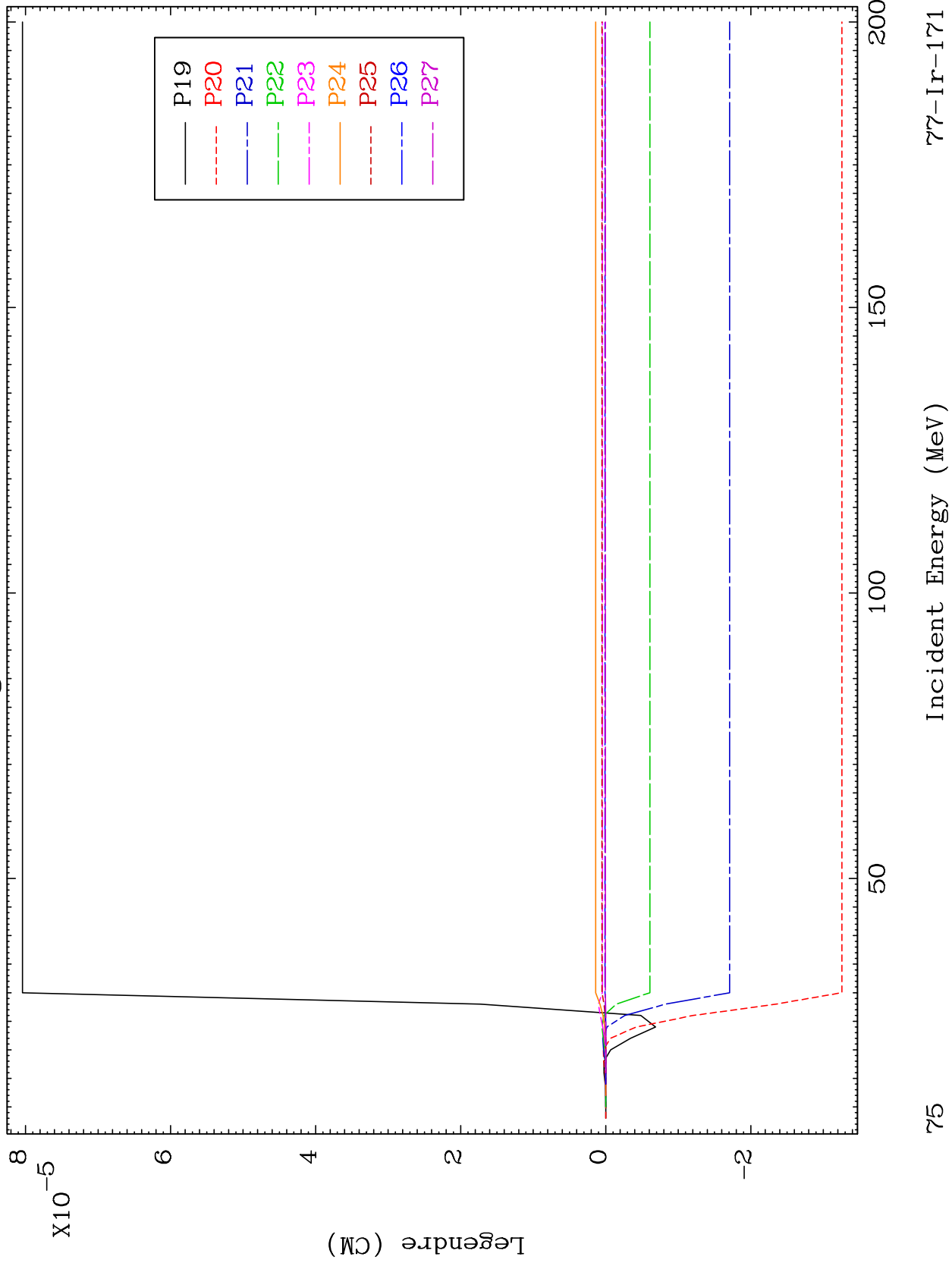
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

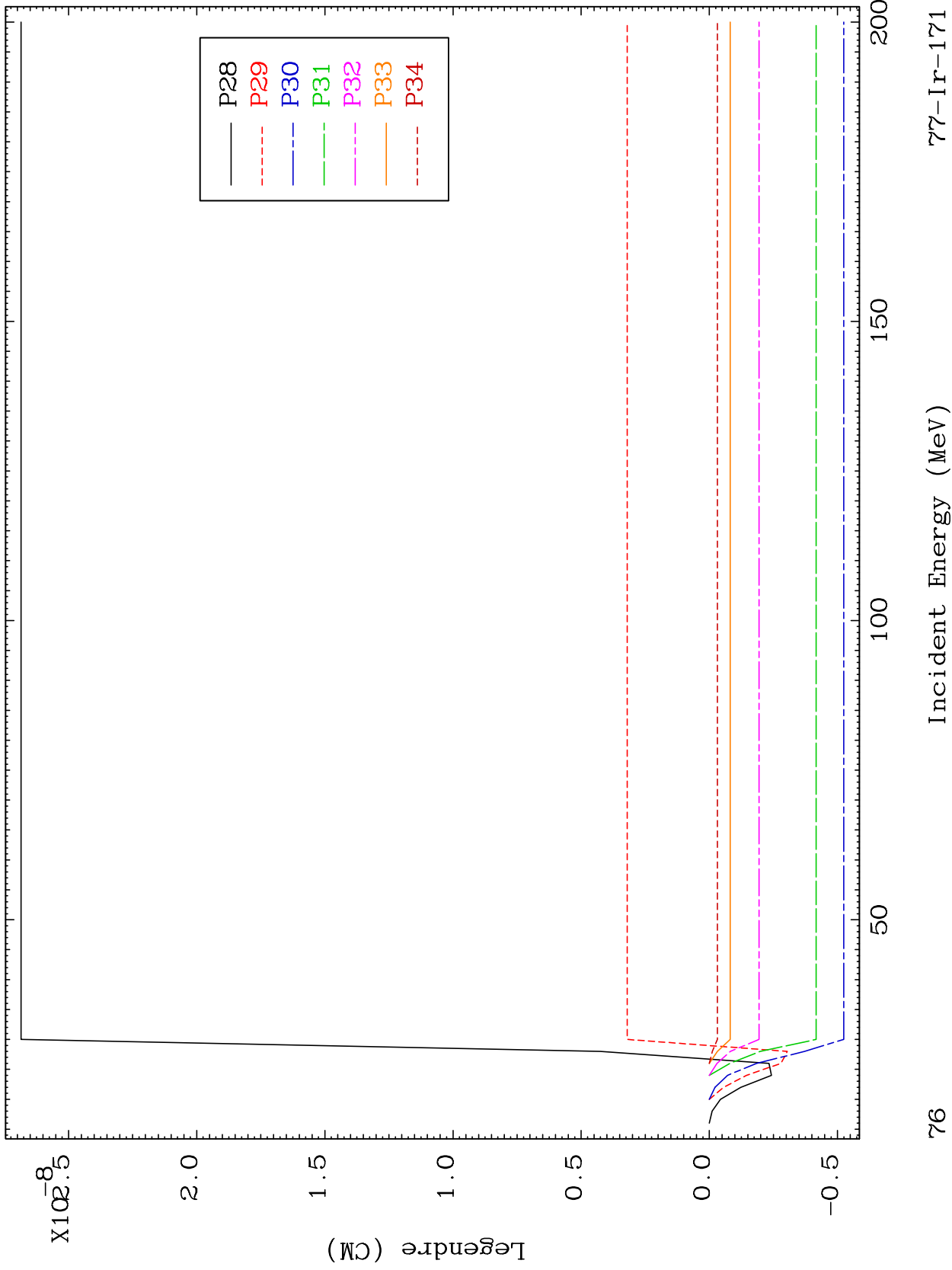
77-Ir-171



MAT 7665

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

77-Ir-171



76

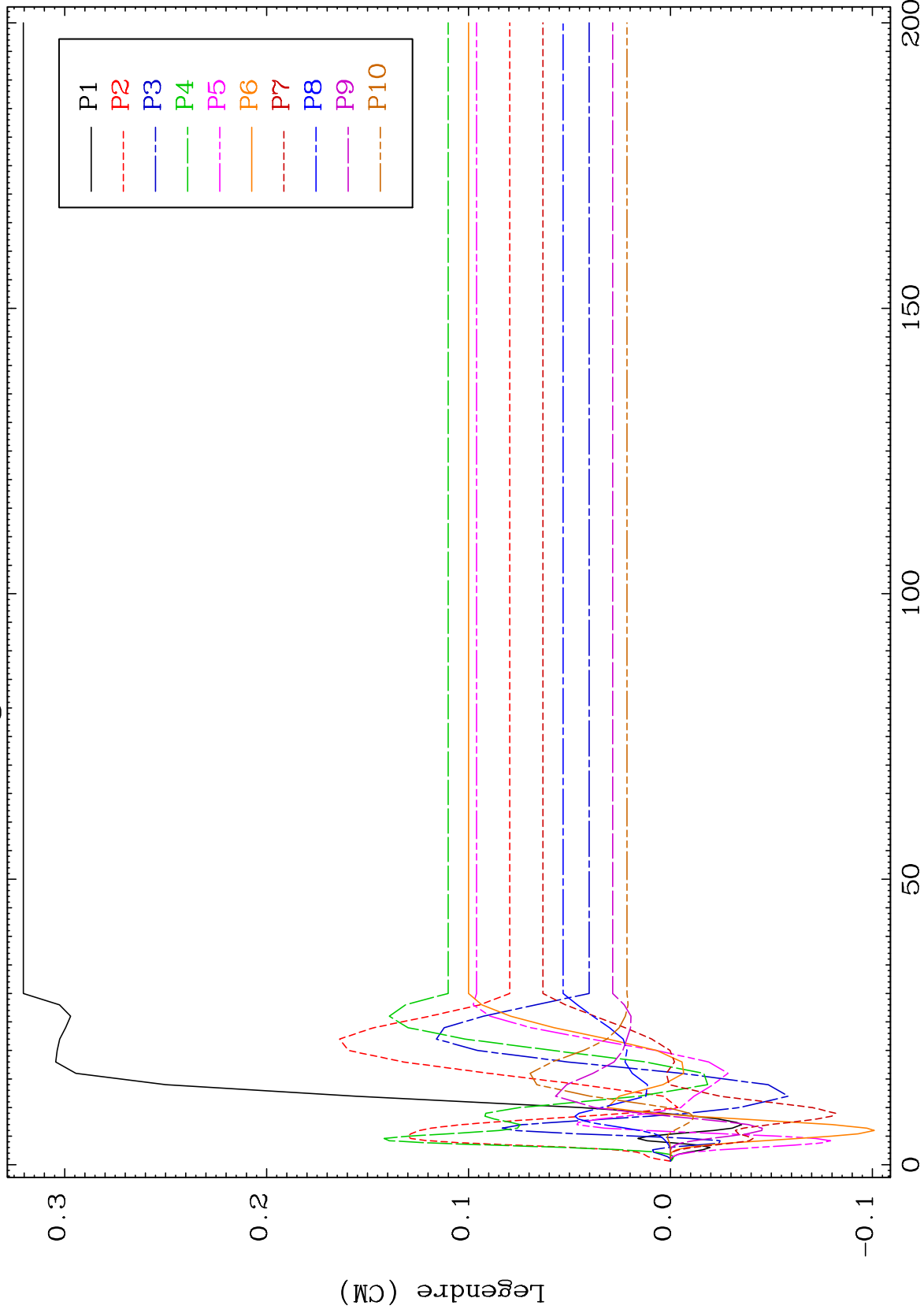
Incident Energy (MeV)

77-Ir-171

MAT 7665

MT= 65 (n,n') Level  
Legendre Coefficients

77-Ir-171



77

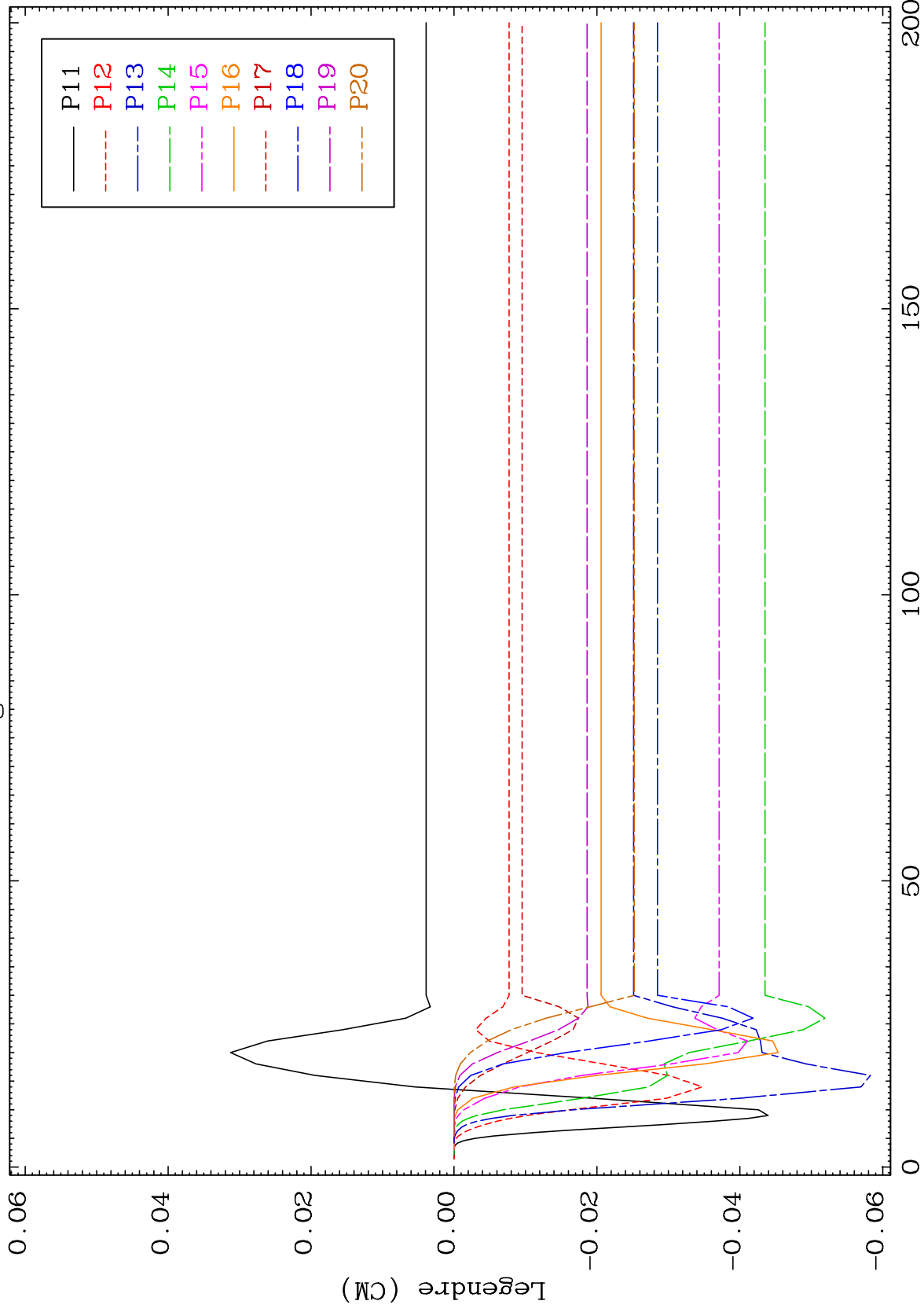
Incident Energy (MeV)

77-Ir-171

MAT 7665

MT= 65 (n,n') Level  
Legendre Coefficients

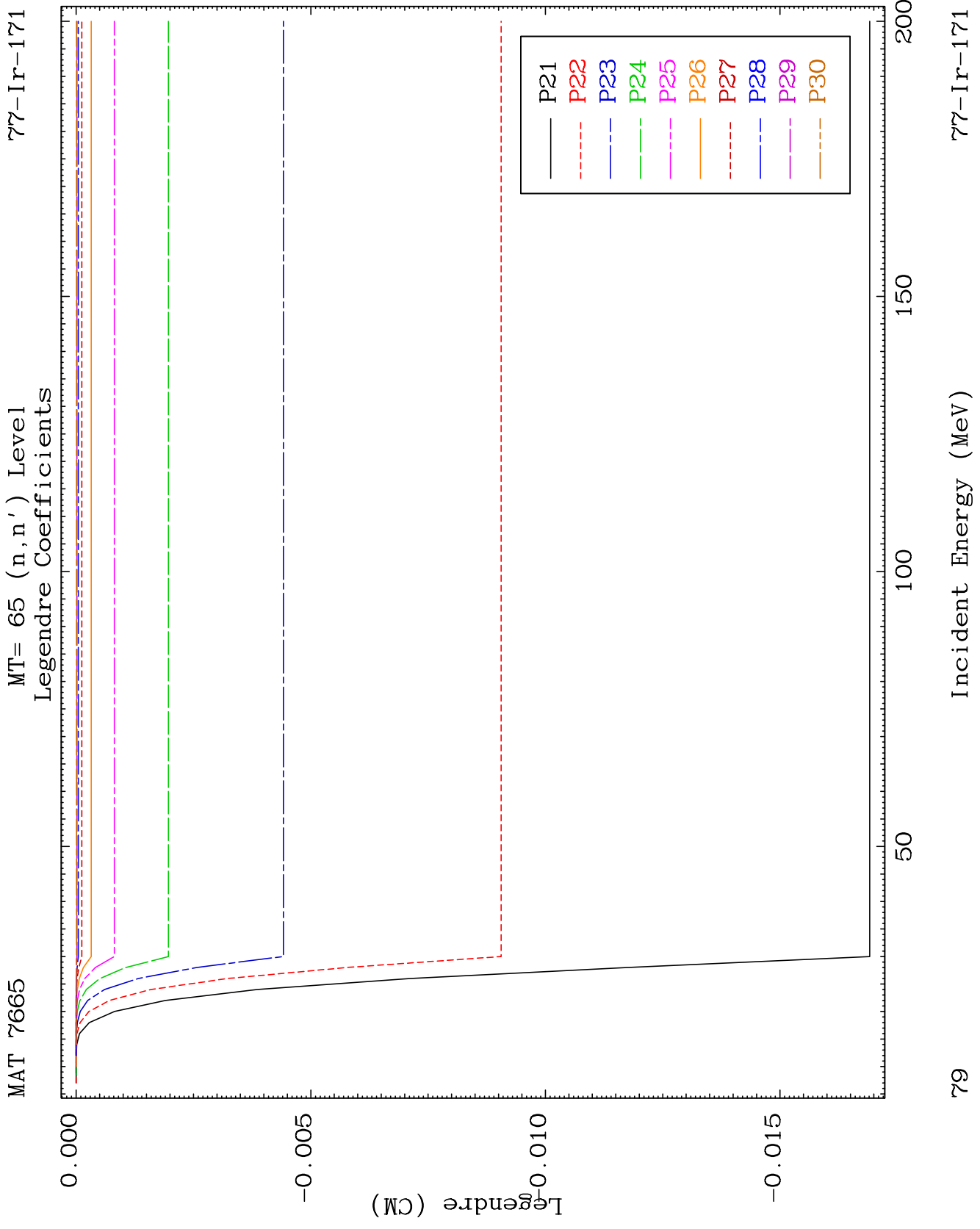
77-Ir-171



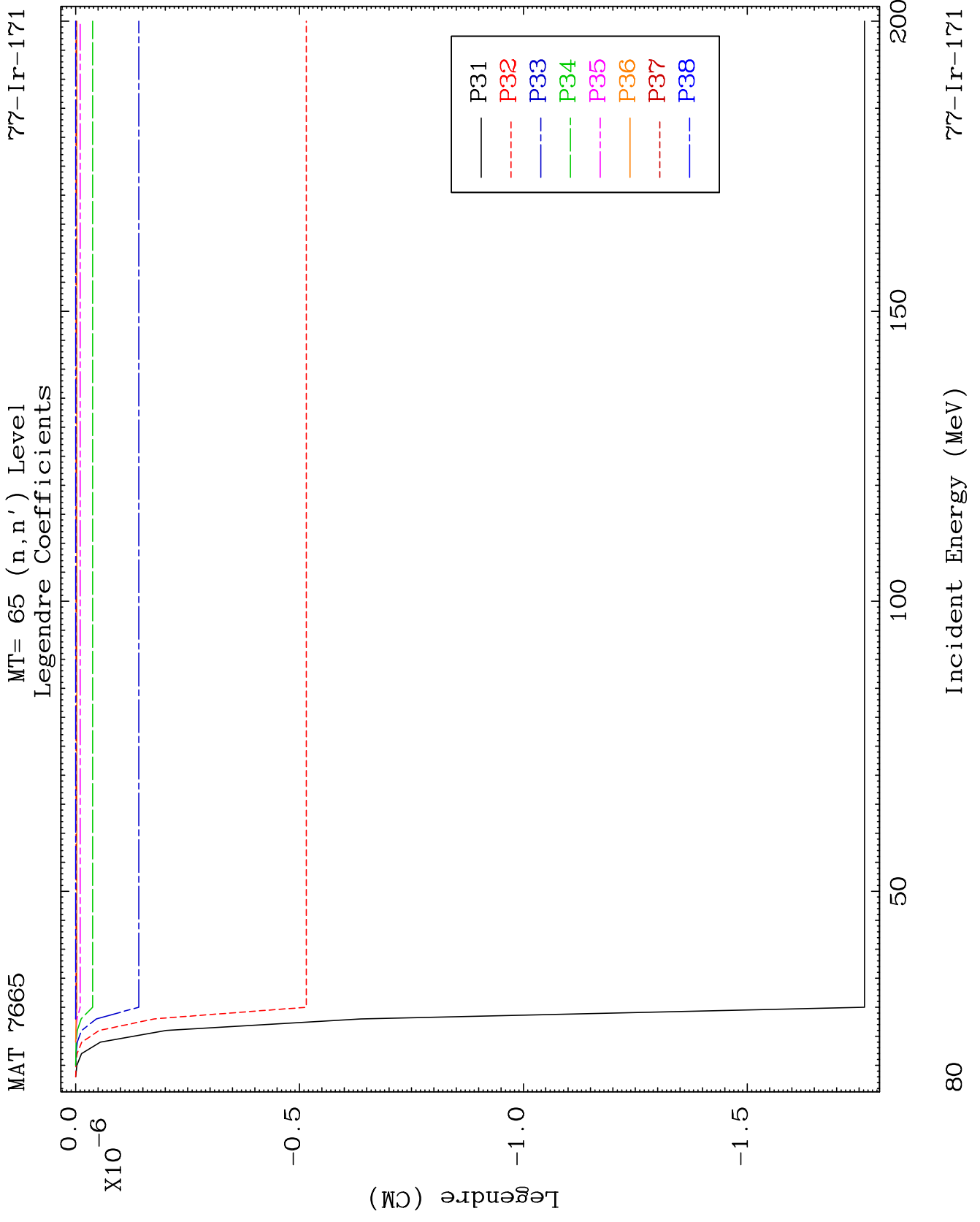
78

Incident Energy (MeV)

77-Ir-171



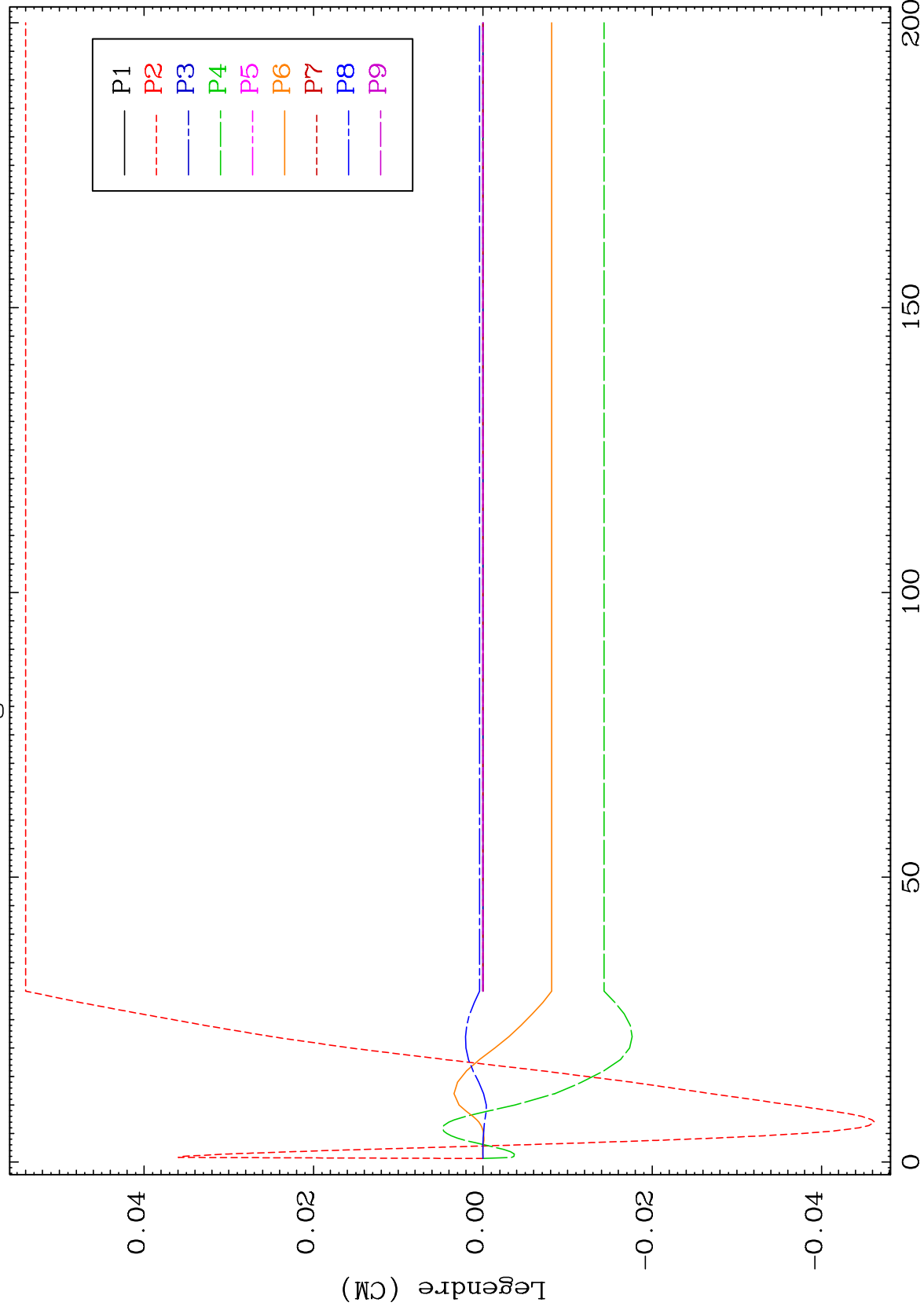




MAT 7665

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

77-Ir-171



81

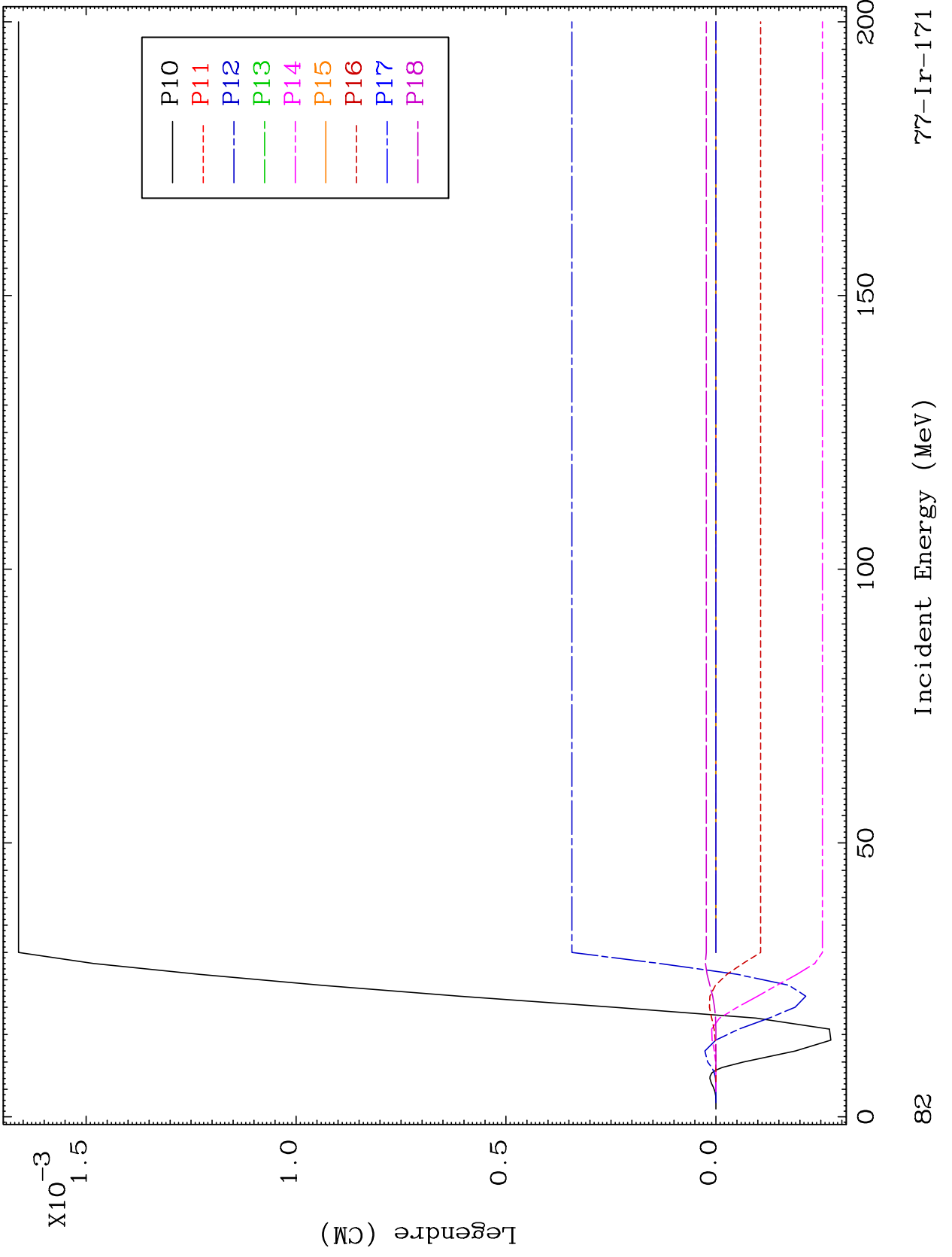
Incident Energy (MeV)

77-Ir-171

MAT 7665

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

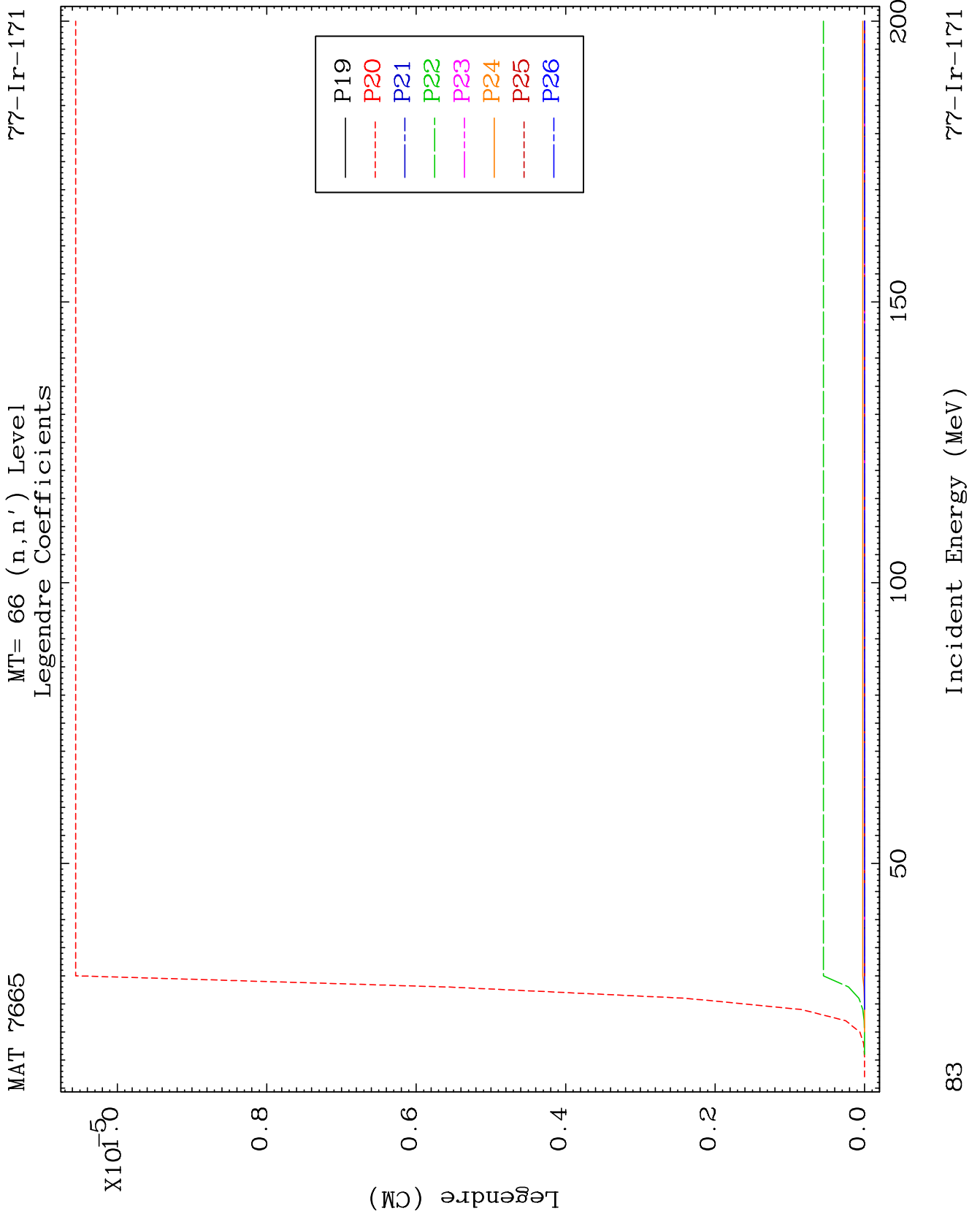
77-Ir-171



82

Incident Energy (MeV)

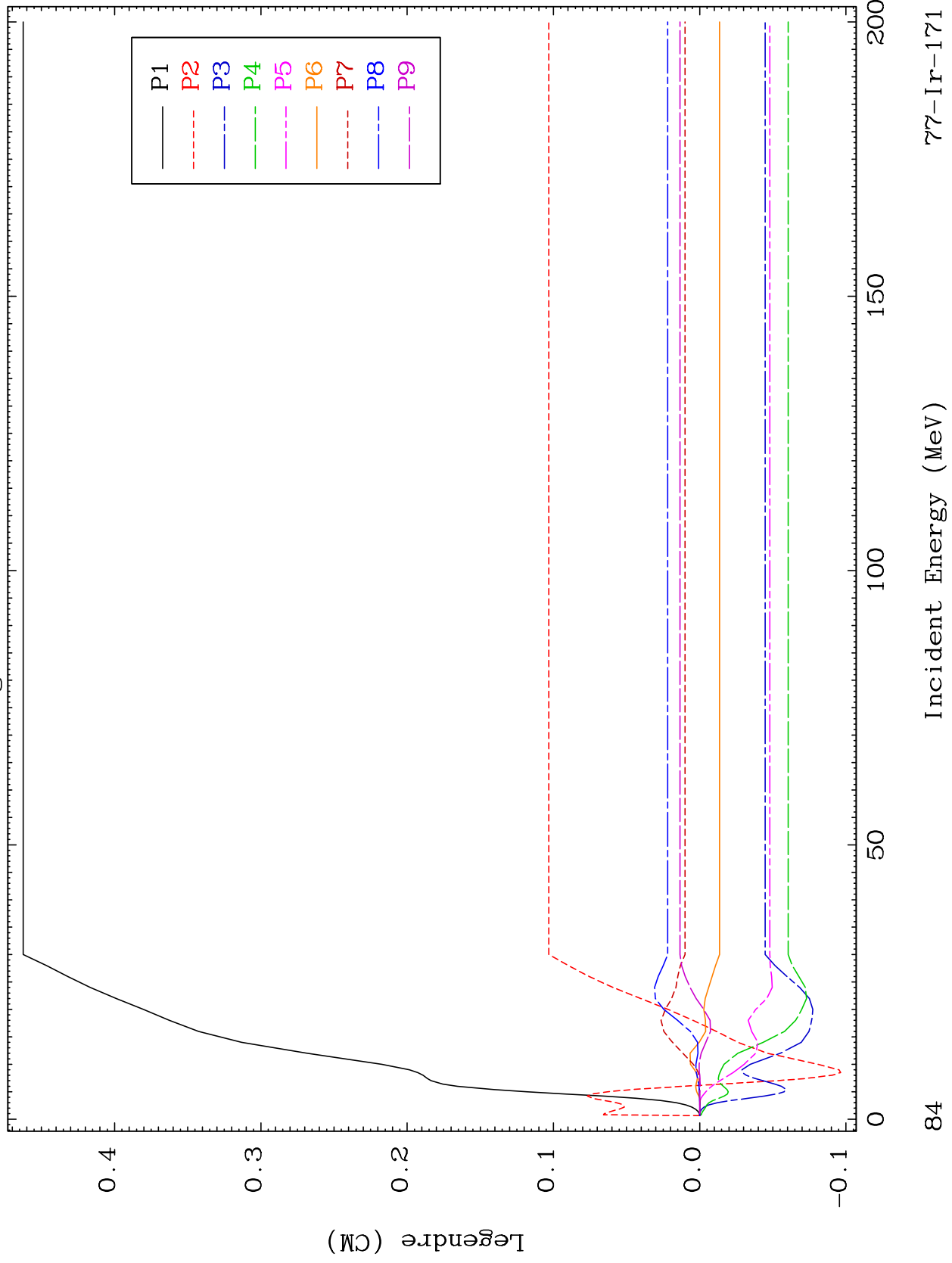
77-Ir-171



MAT 7665

MT= 67 (n,n') Level  
Legendre Coefficients

77-Ir-171



77-Ir-171

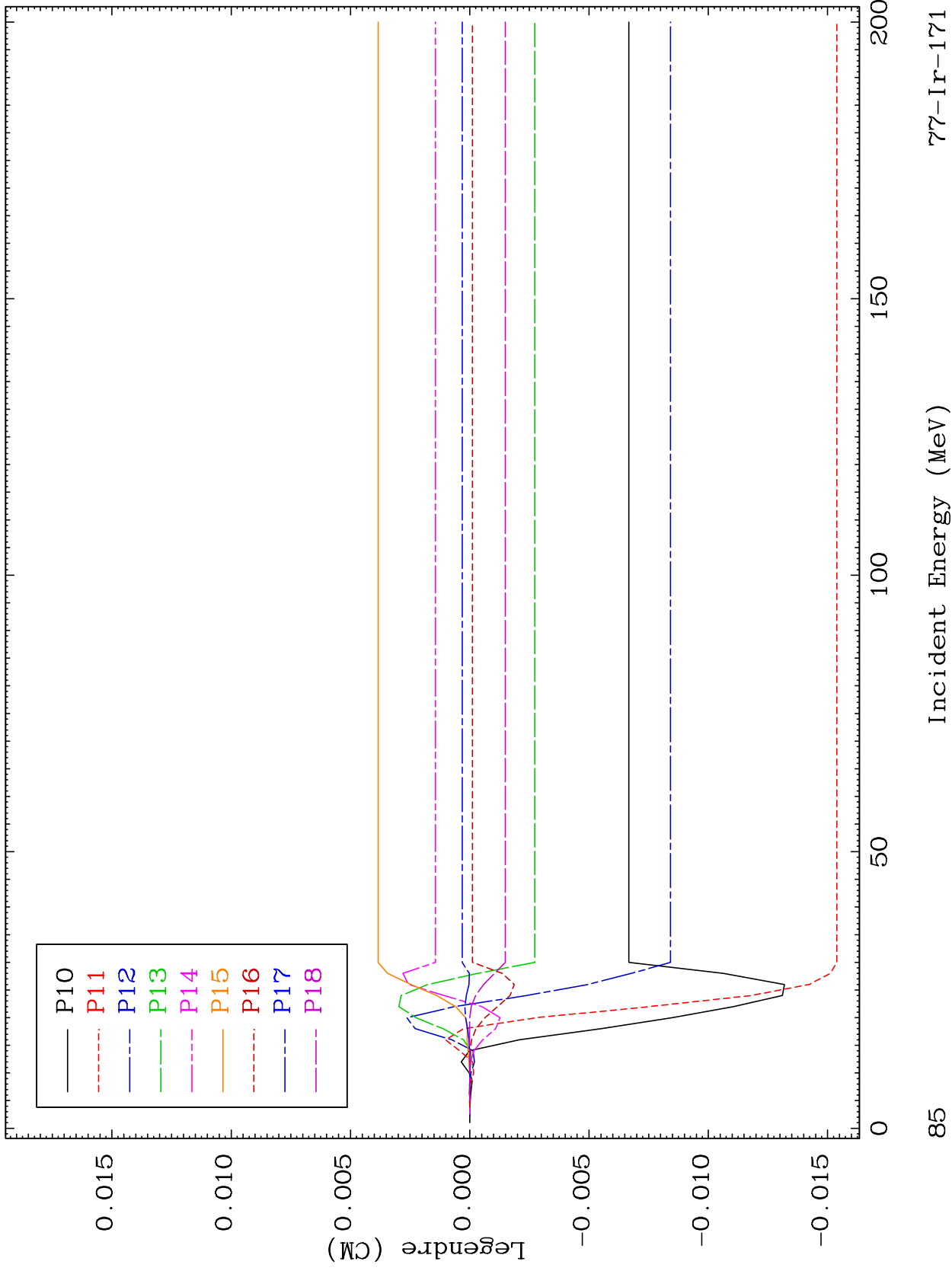
Incident Energy (MeV)

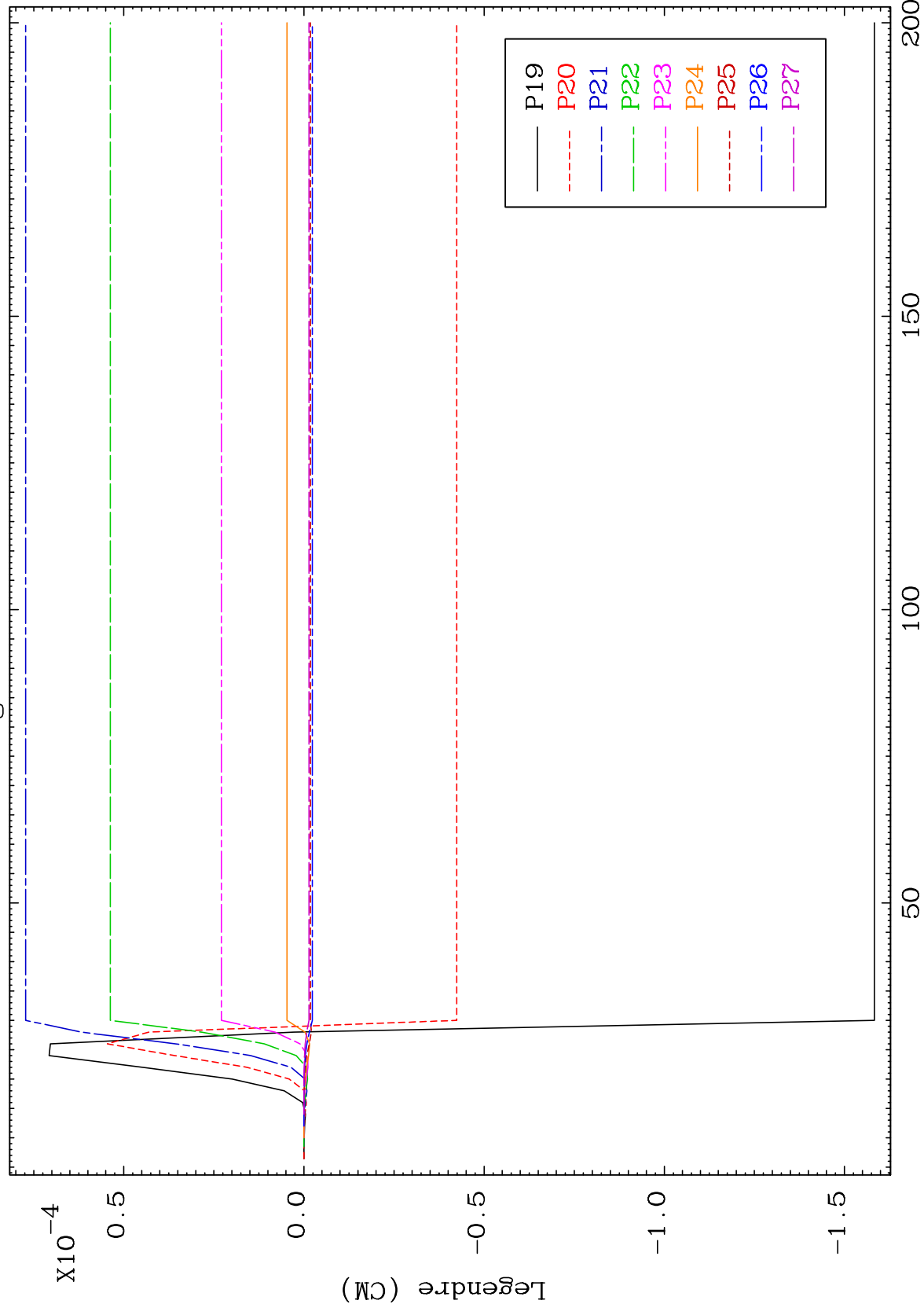
84

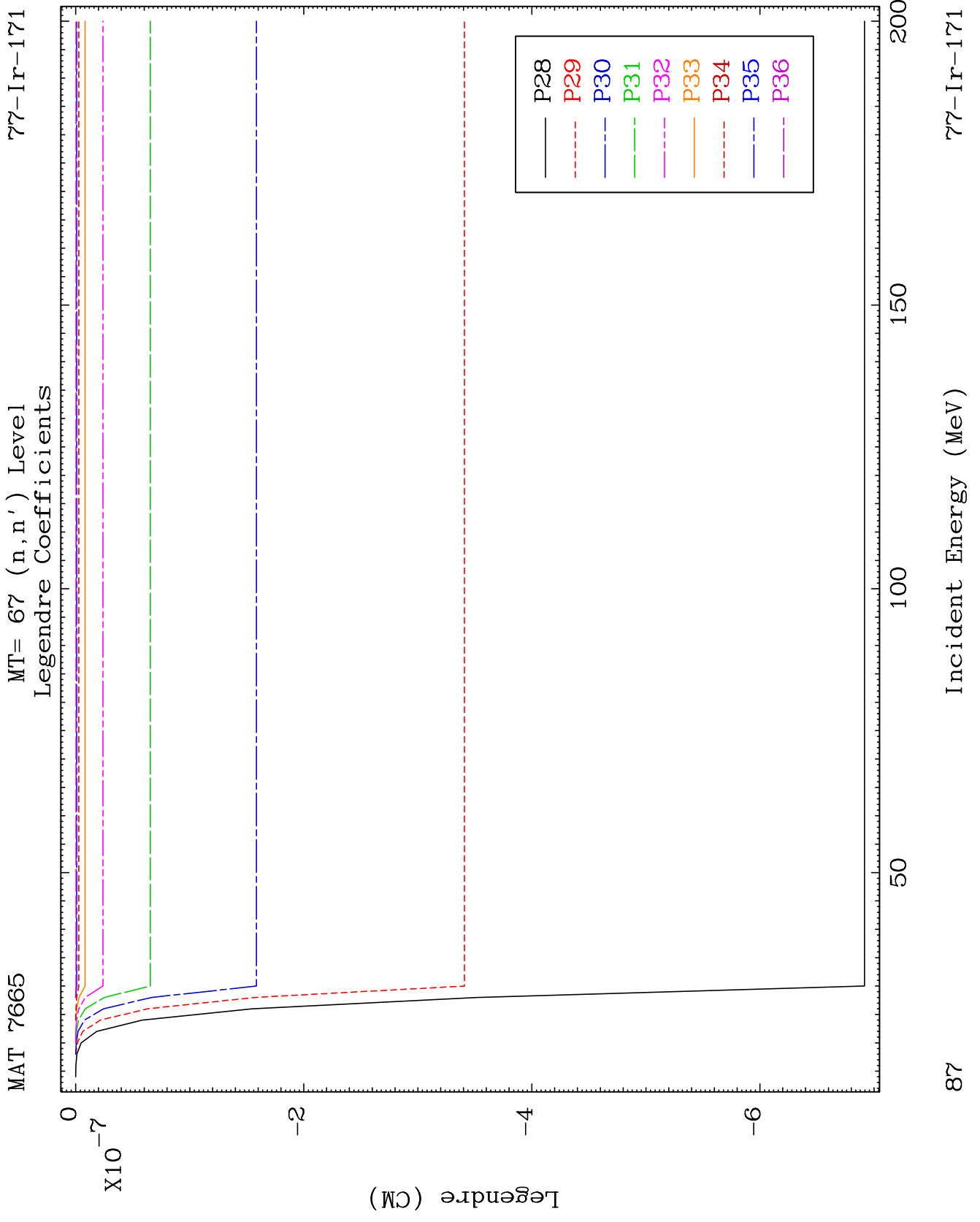
MAT 7665

MT= 67 (n,n') Level  
Legendre Coefficients

77-Ir-171





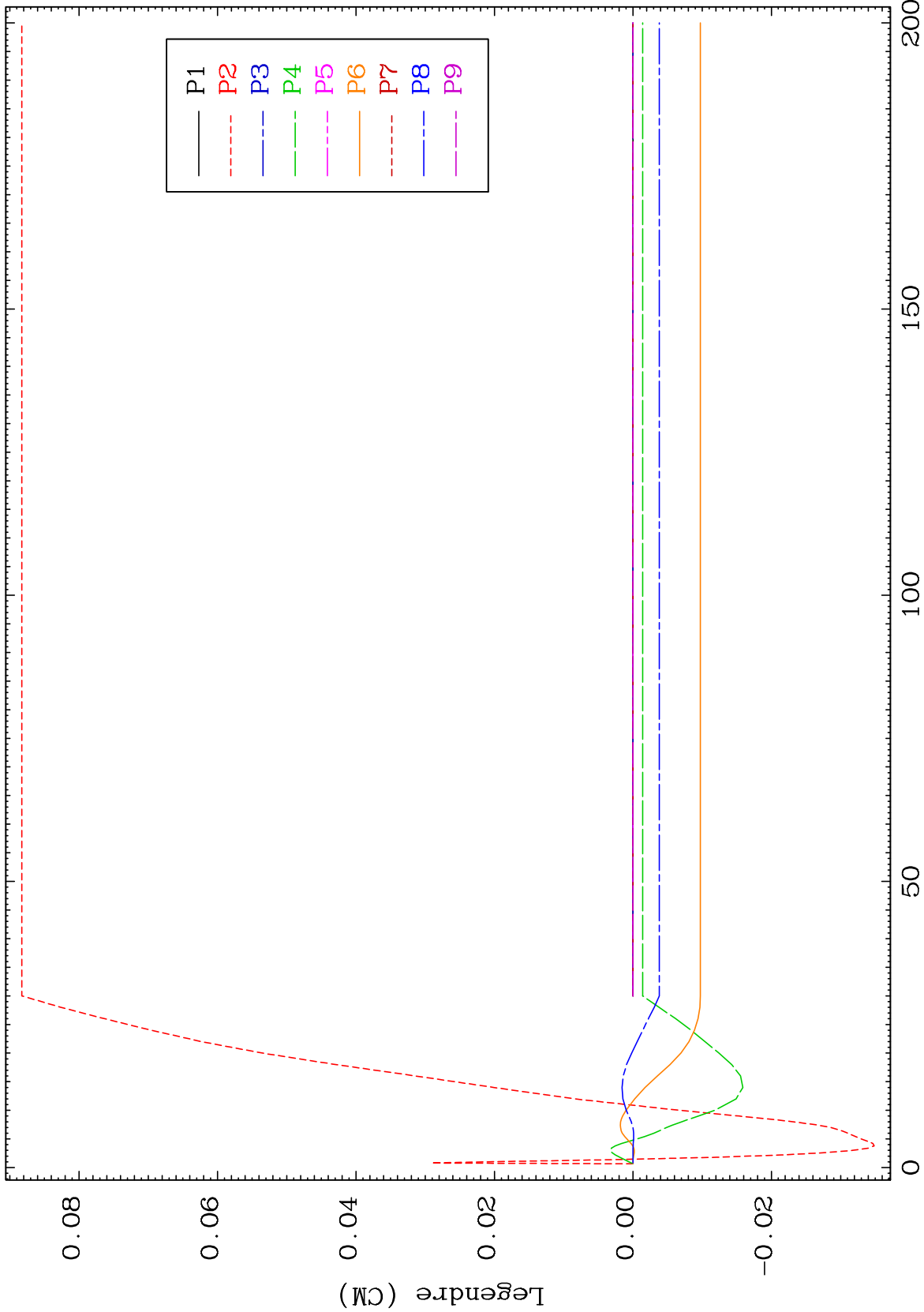




MAT 7665

MT= 68 (n,n') Level  
Legendre Coefficients

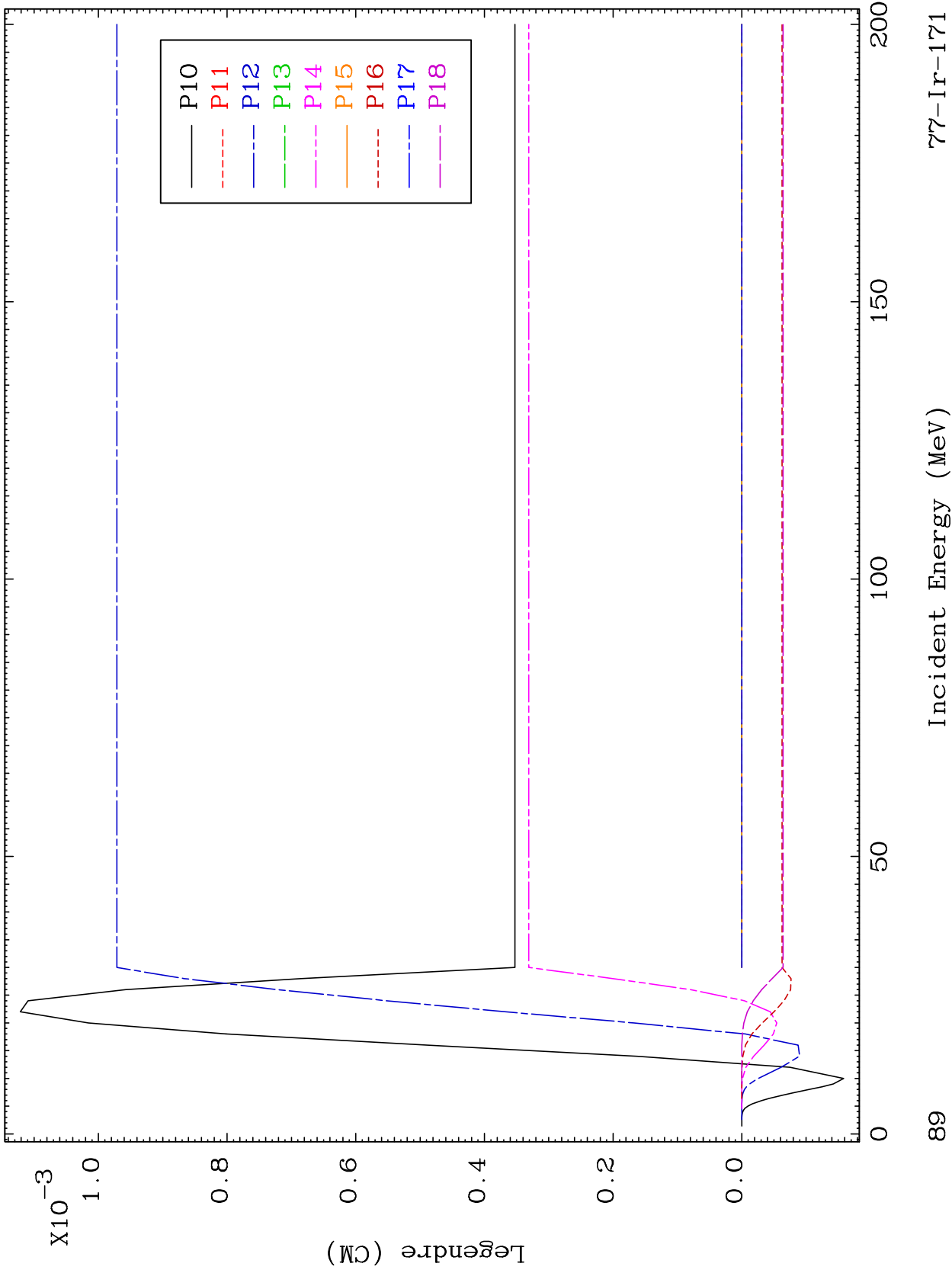
77-Ir-171

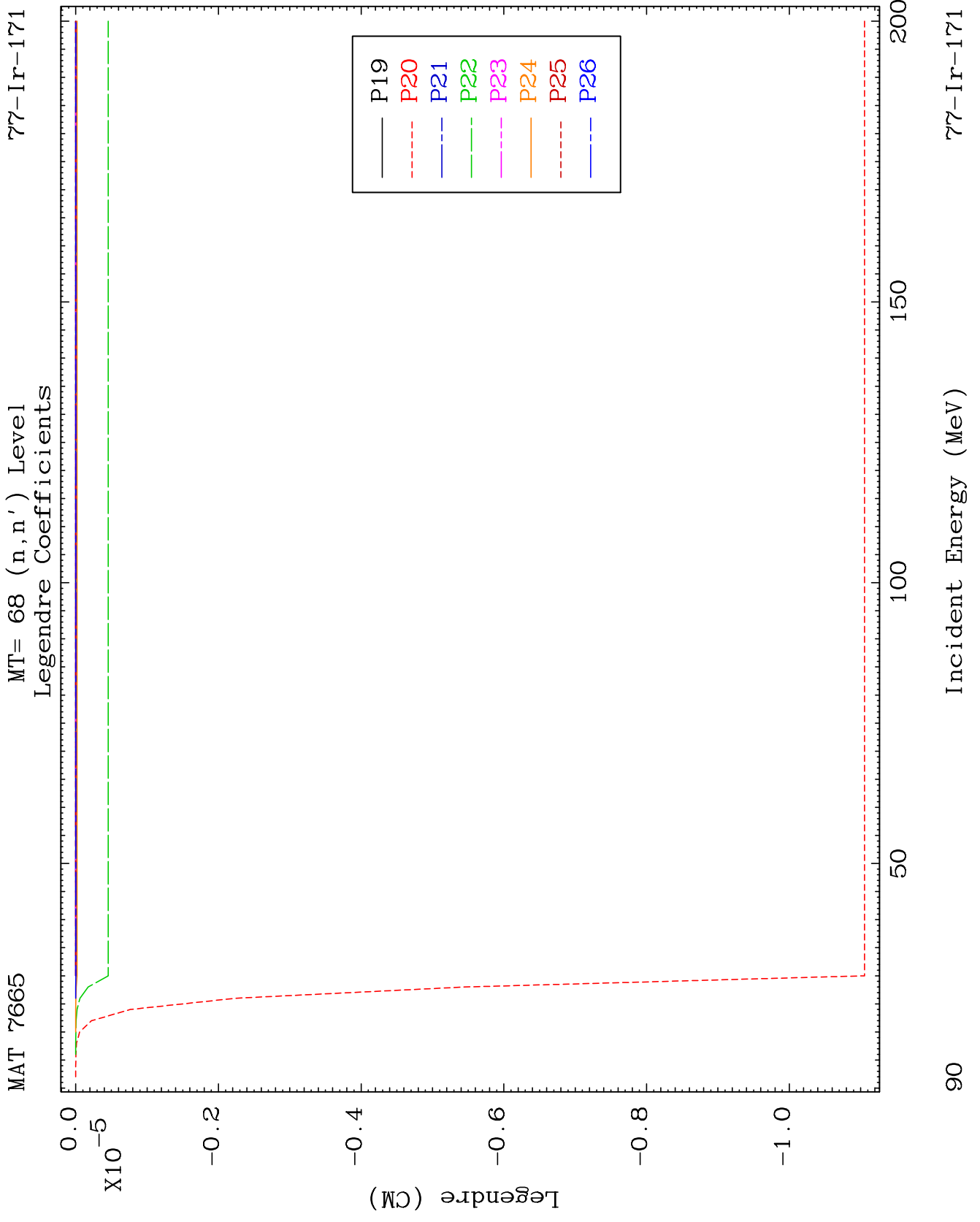


88

Incident Energy (MeV)

77-Ir-171

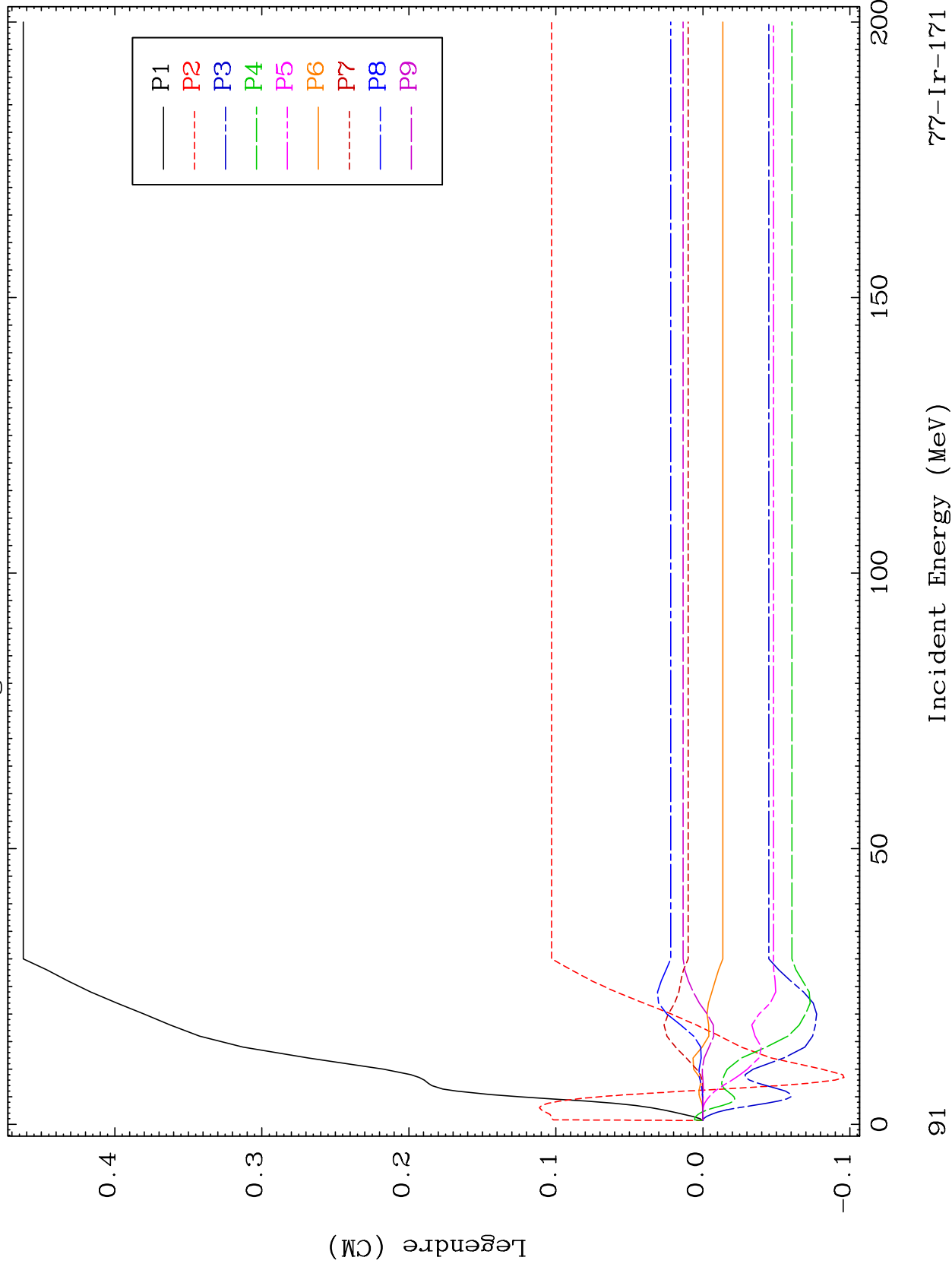




MAT 7665

MT= 69 (n,n') Level  
Legendre Coefficients

77-Ir-171



91

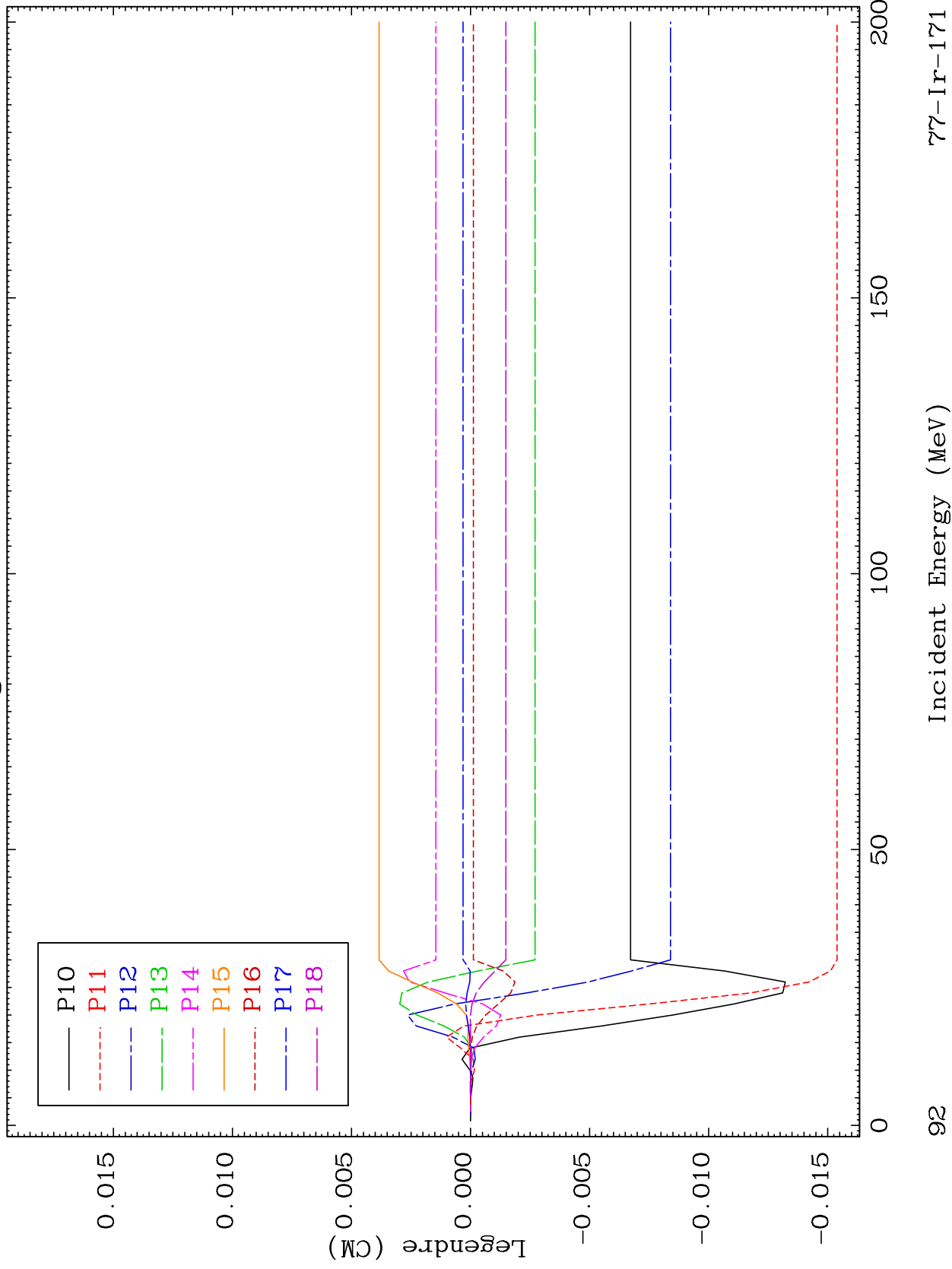
Incident Energy (MeV)

77-Ir-171

MAT 7665

MT= 69 (n,n') Level  
Legendre Coefficients

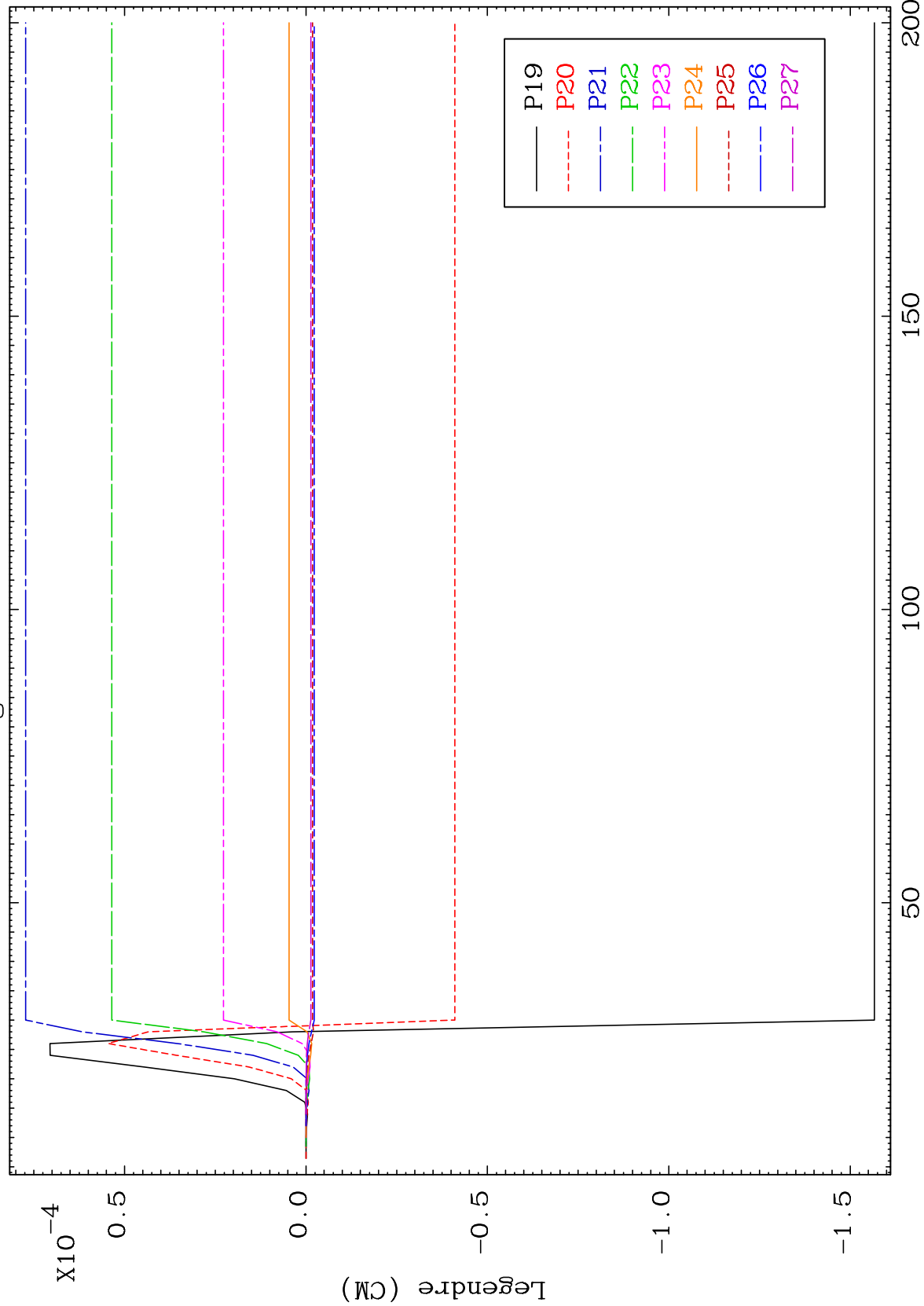
77-Ir-171

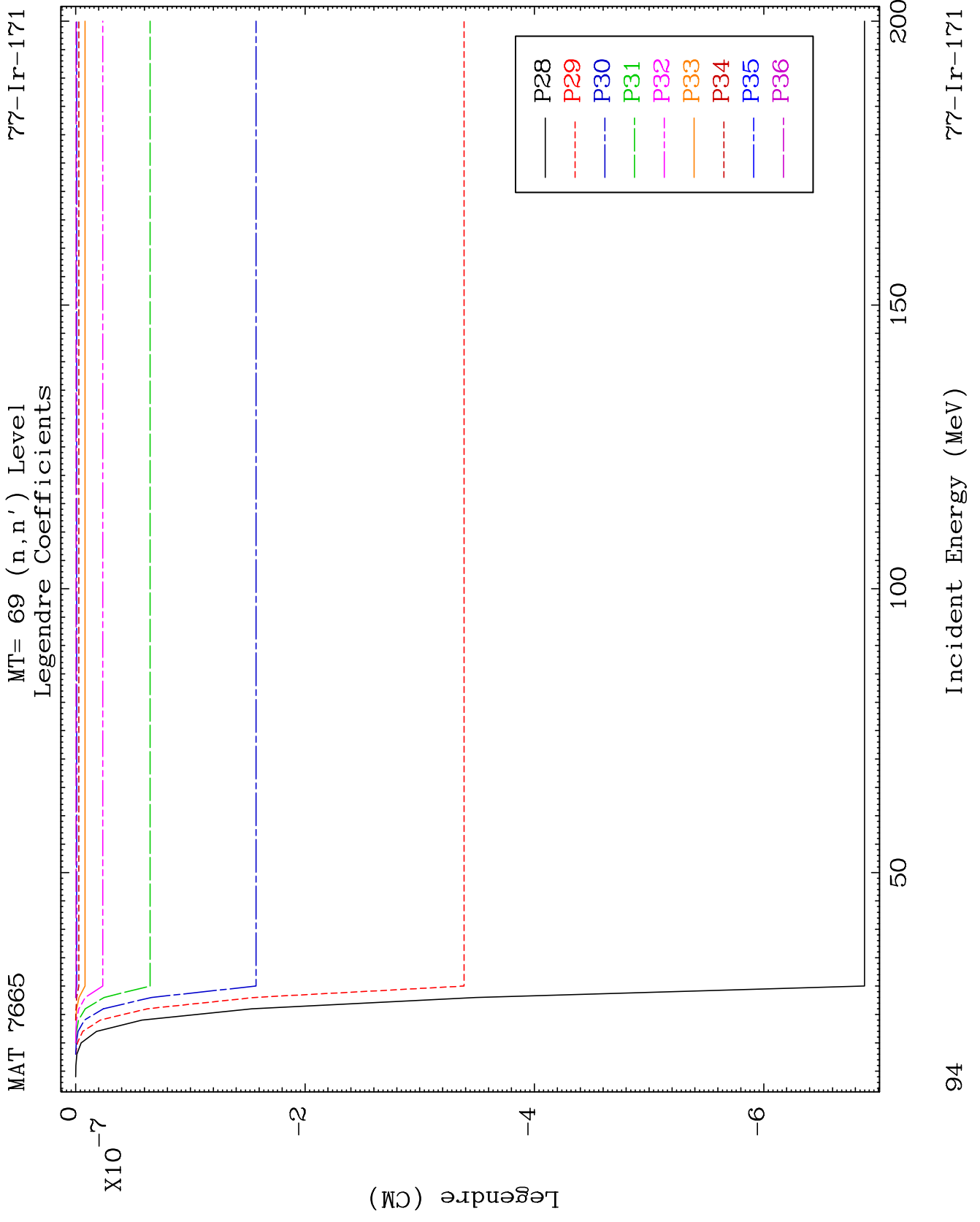


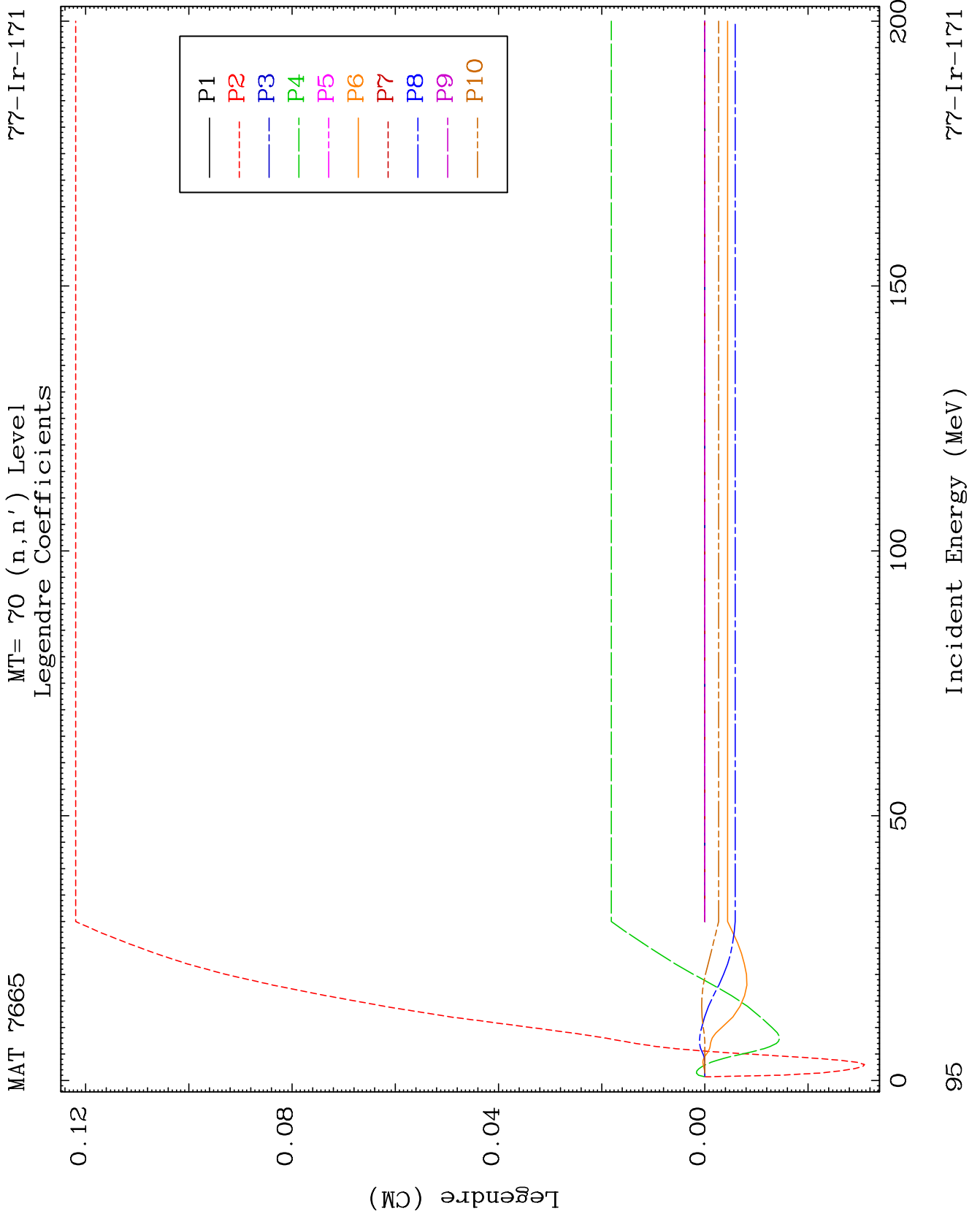
92

Incident Energy (MeV)

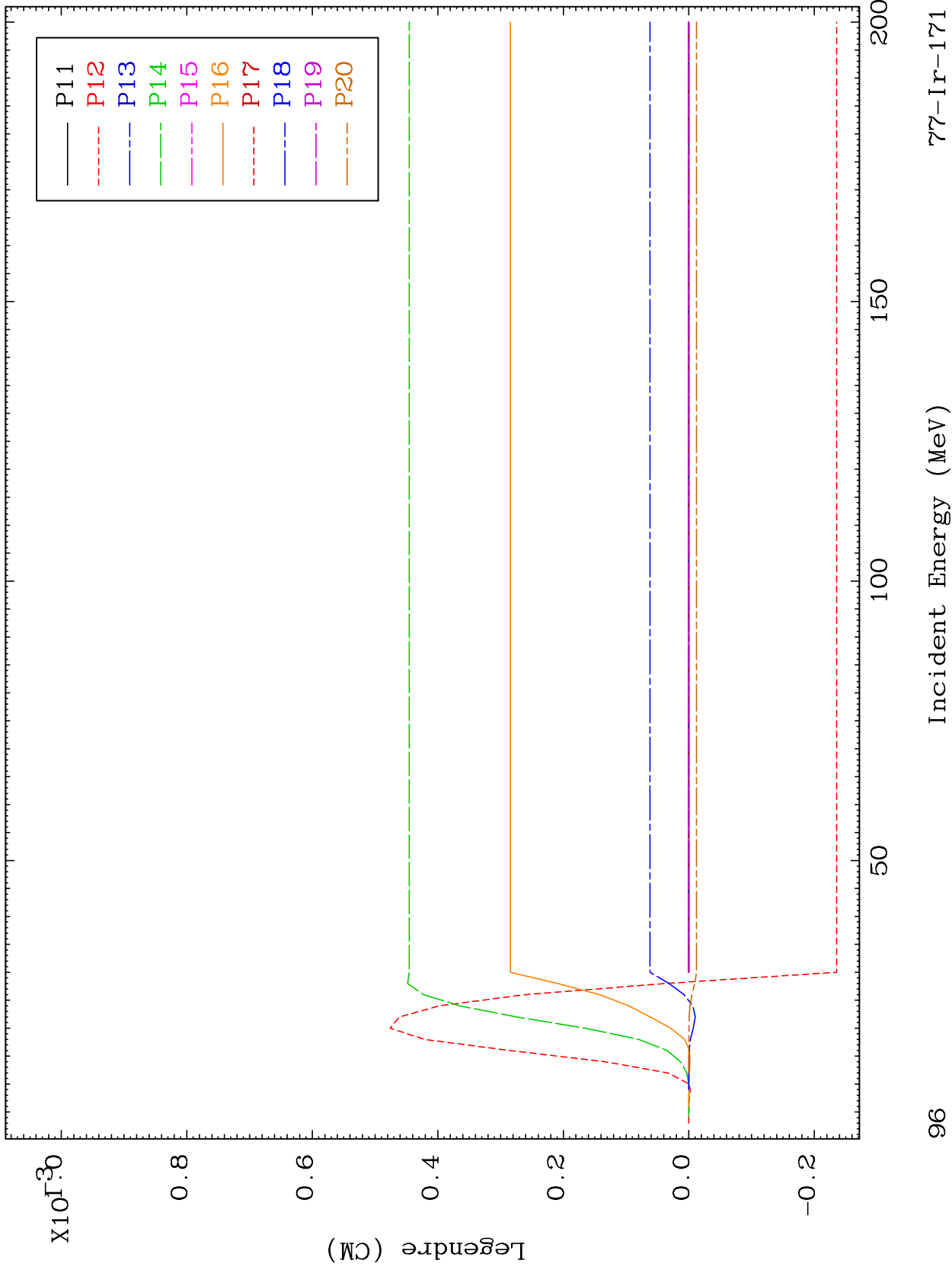
77-Ir-171

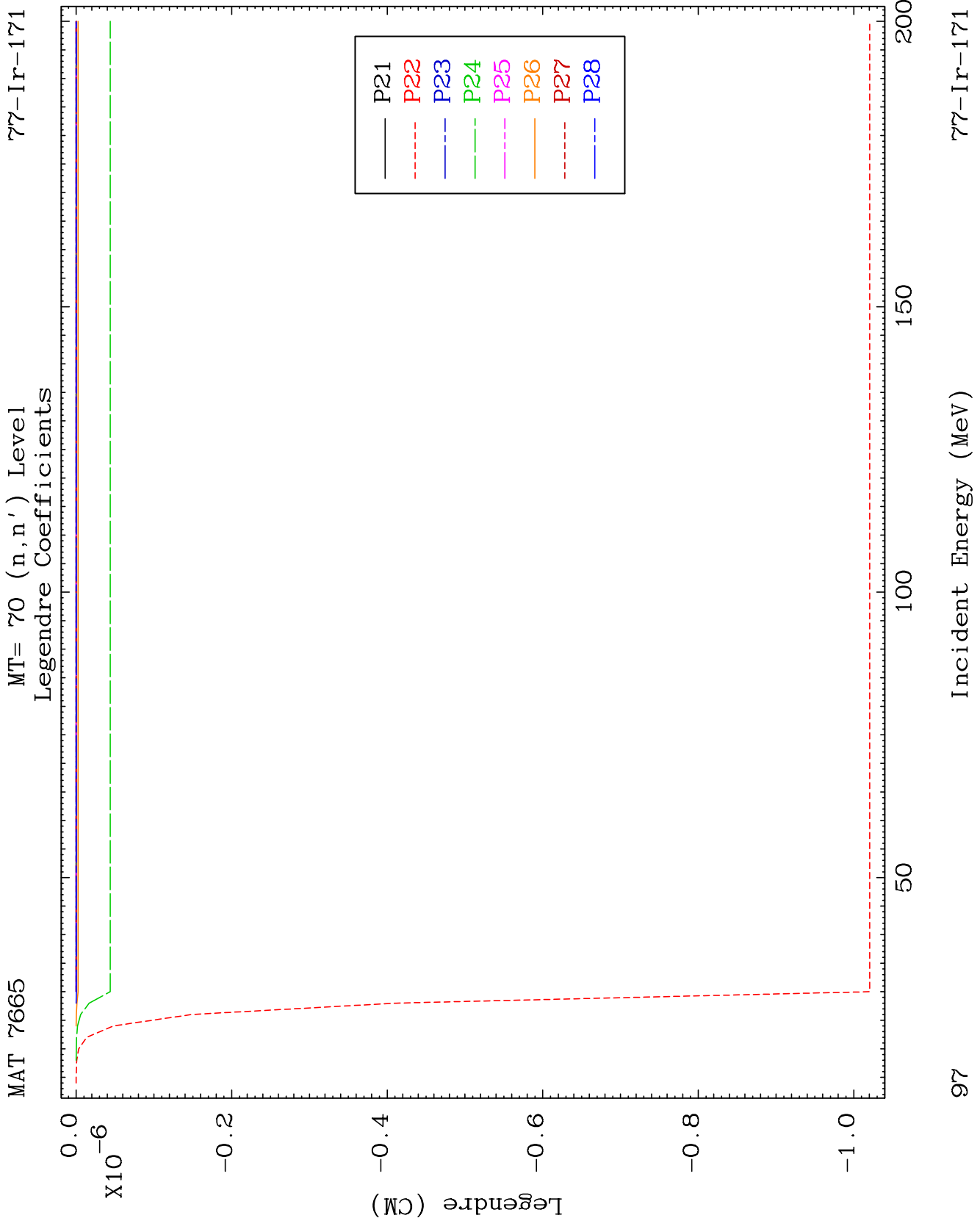


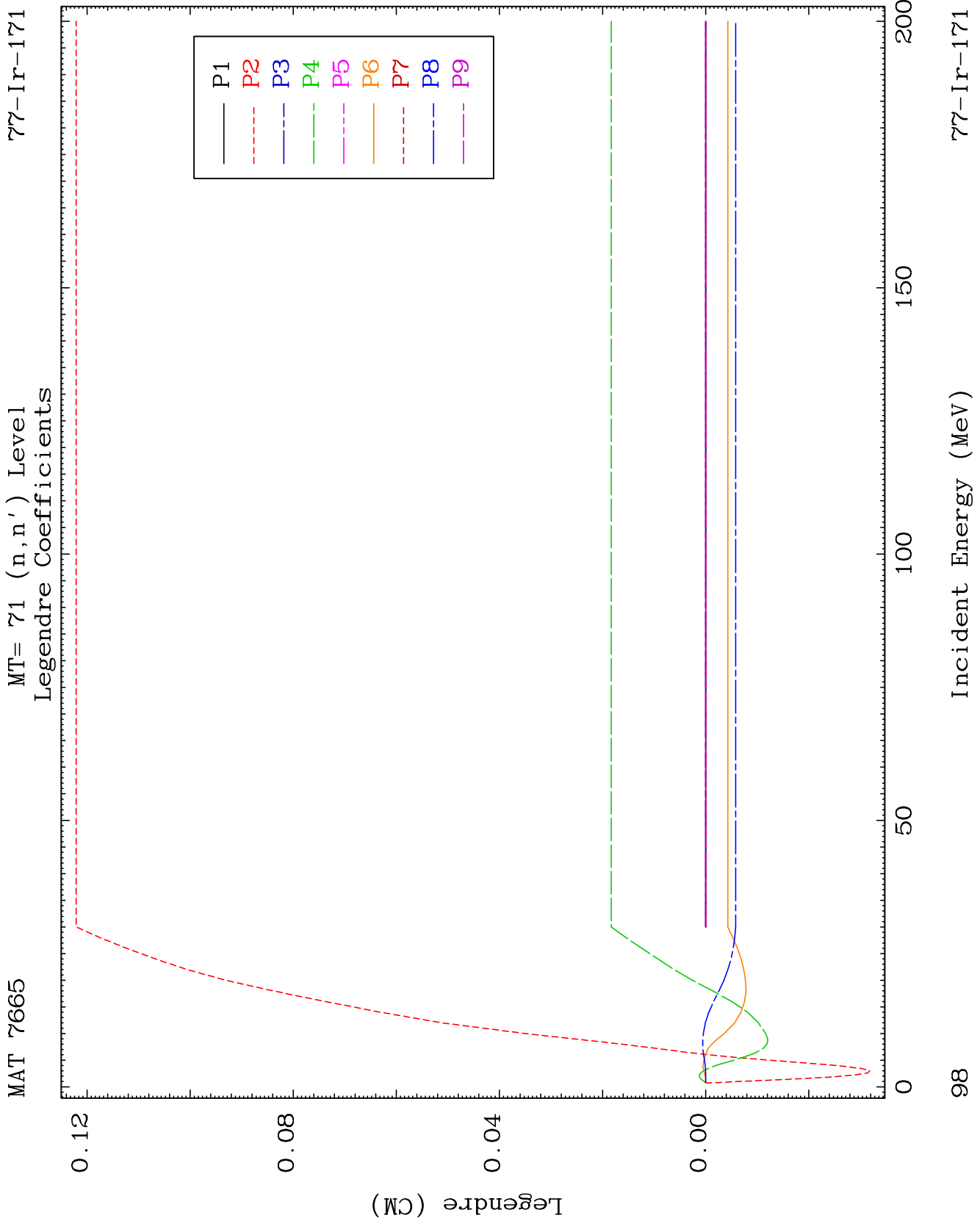








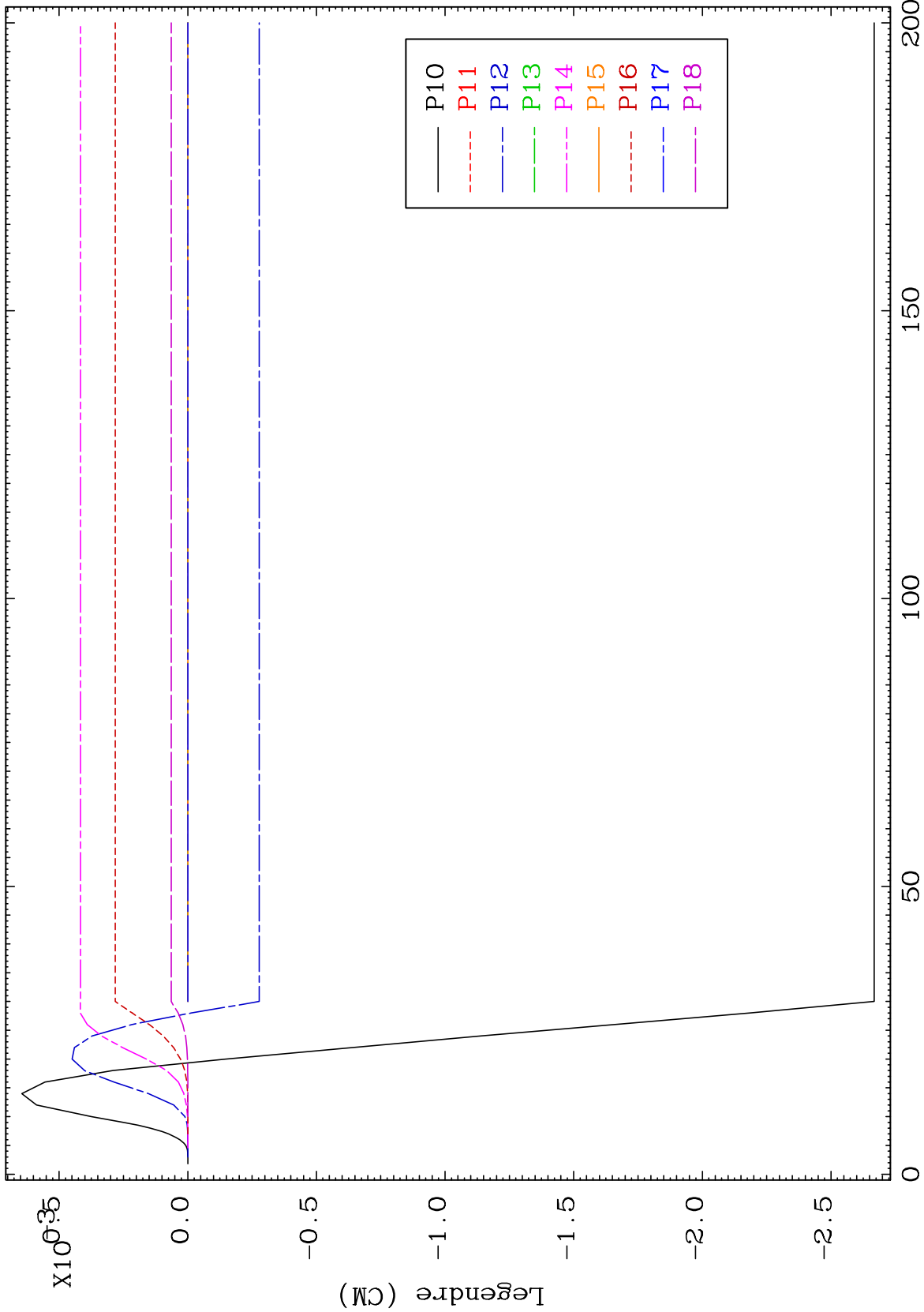




MAT 7665

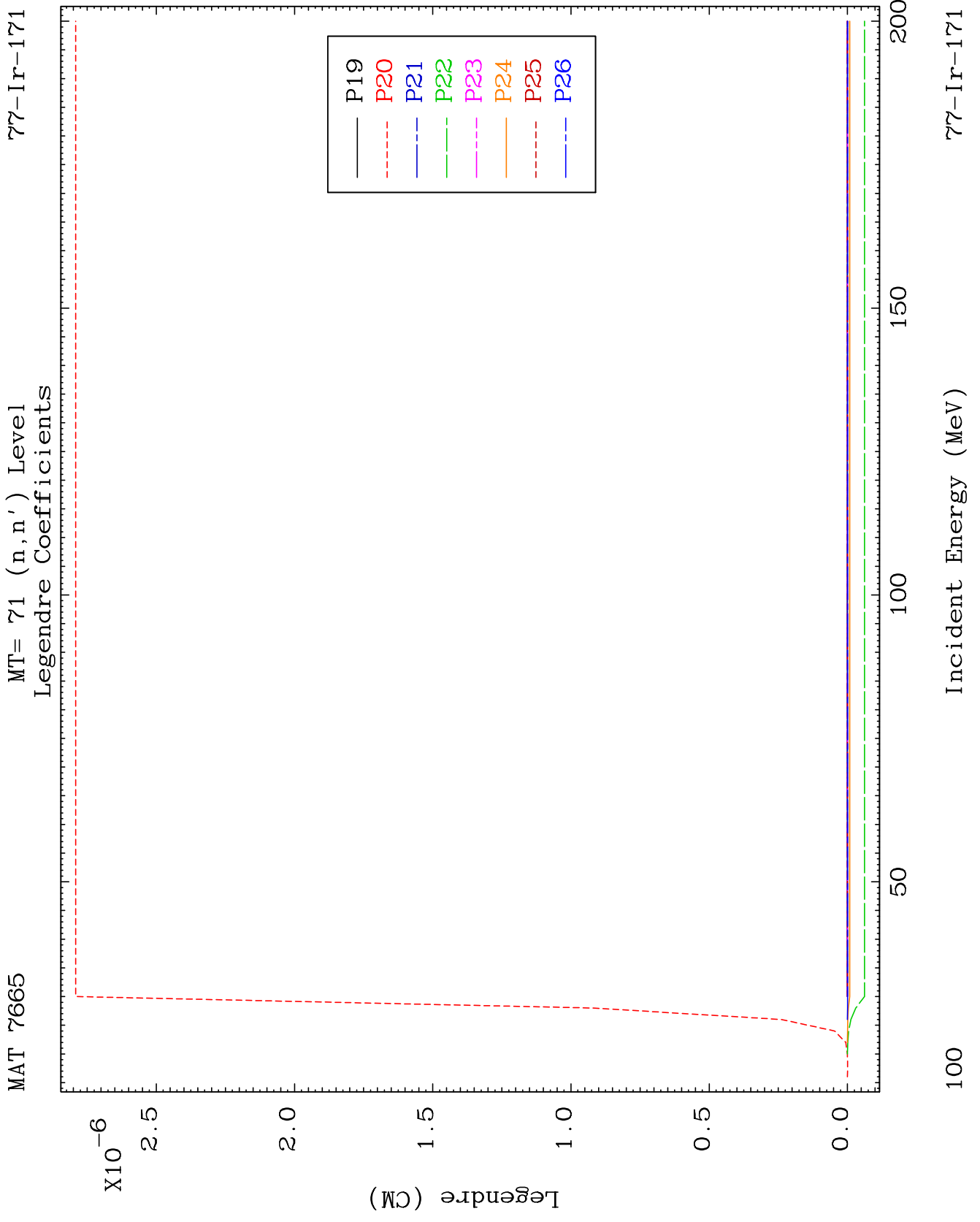
MT= 71 (n,n') Level  
Legendre Coefficients

77-Ir-171



99

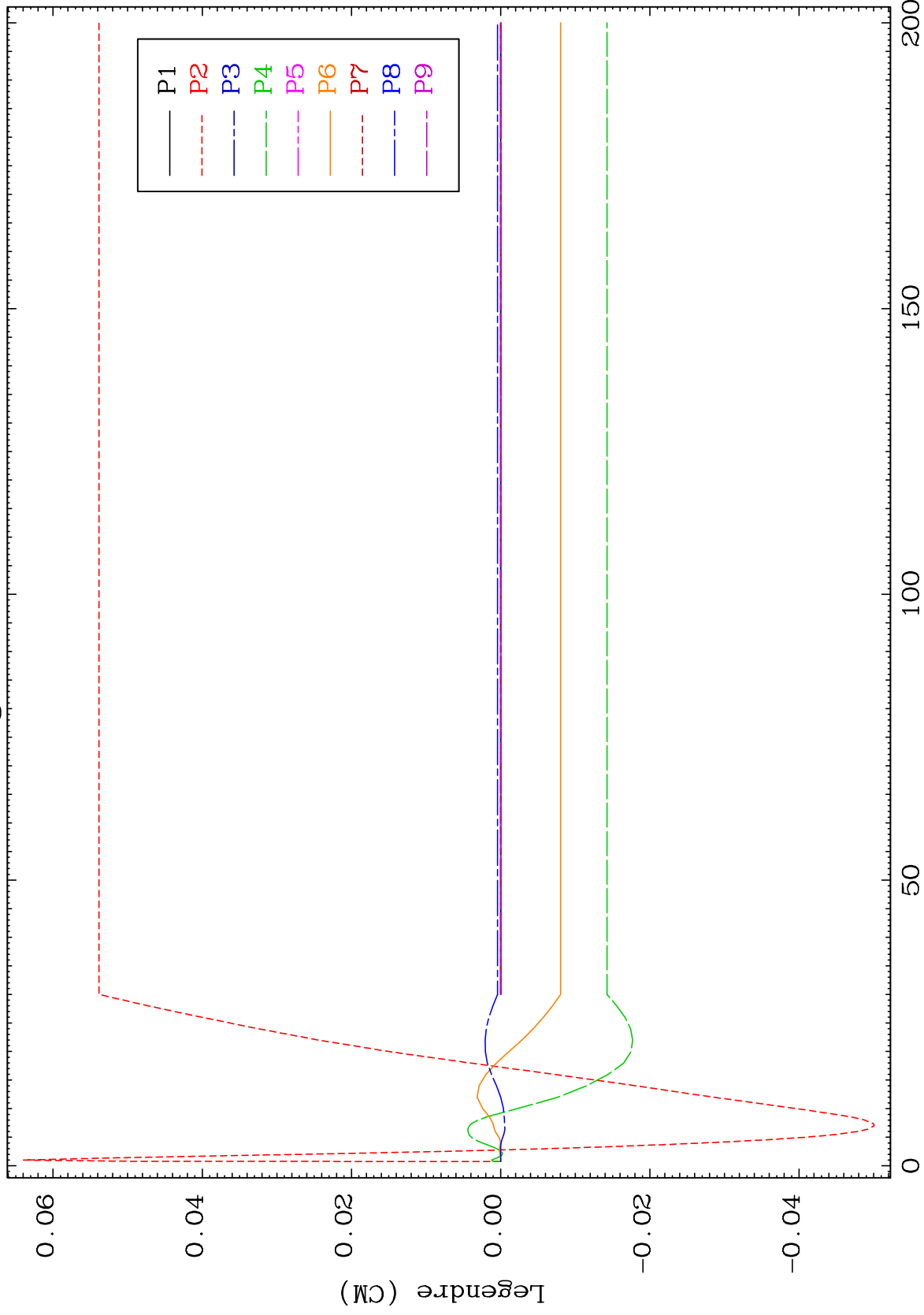
77-Ir-171



MAT 7665

MT= 72 (n,n') Level  
Legendre Coefficients

77-Ir-171



77-Ir-171

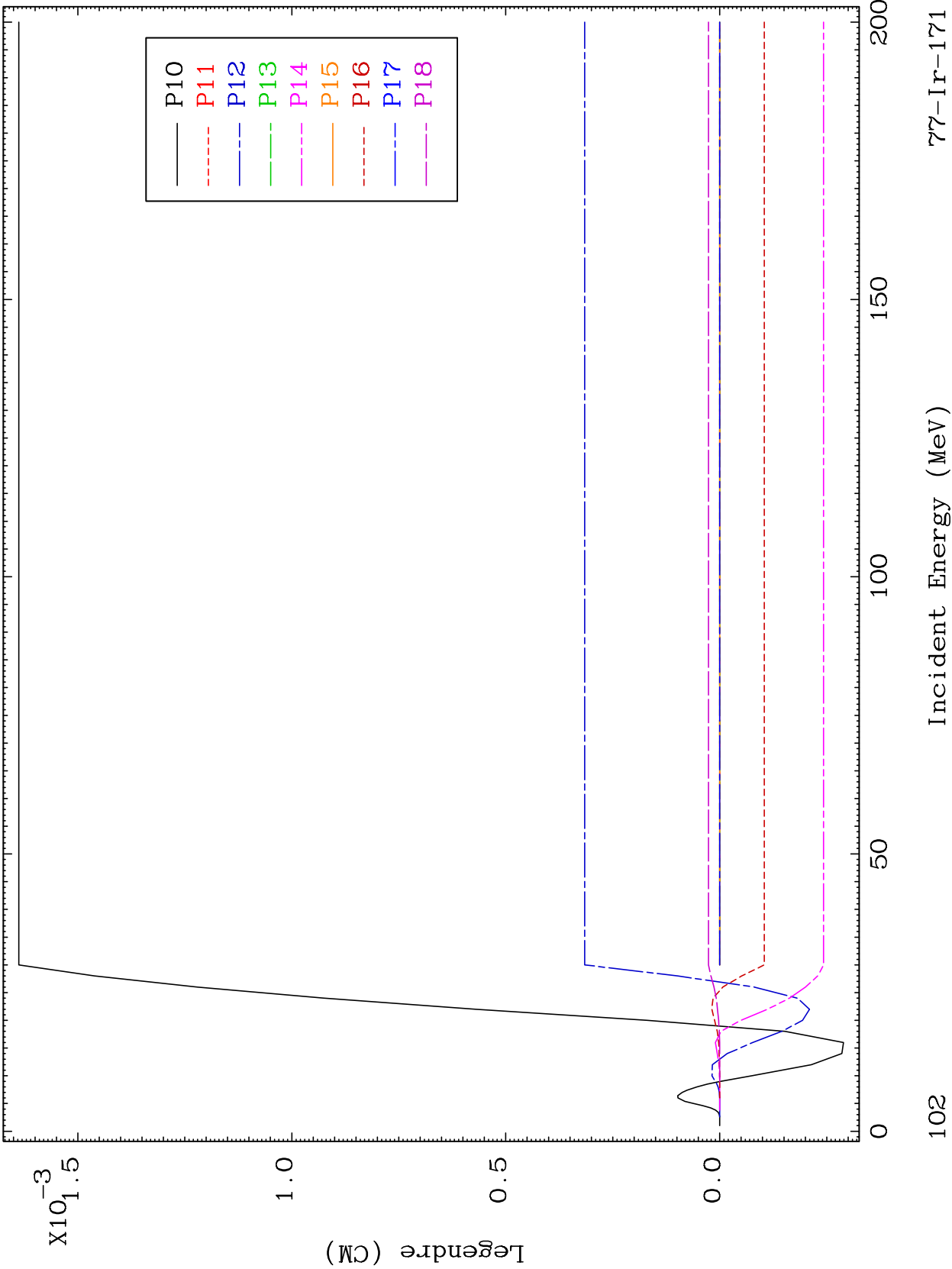
Incident Energy (MeV)

101

MAT 7665

MT= 72 (n,n') Level  
Legendre Coefficients

77-Ir-171

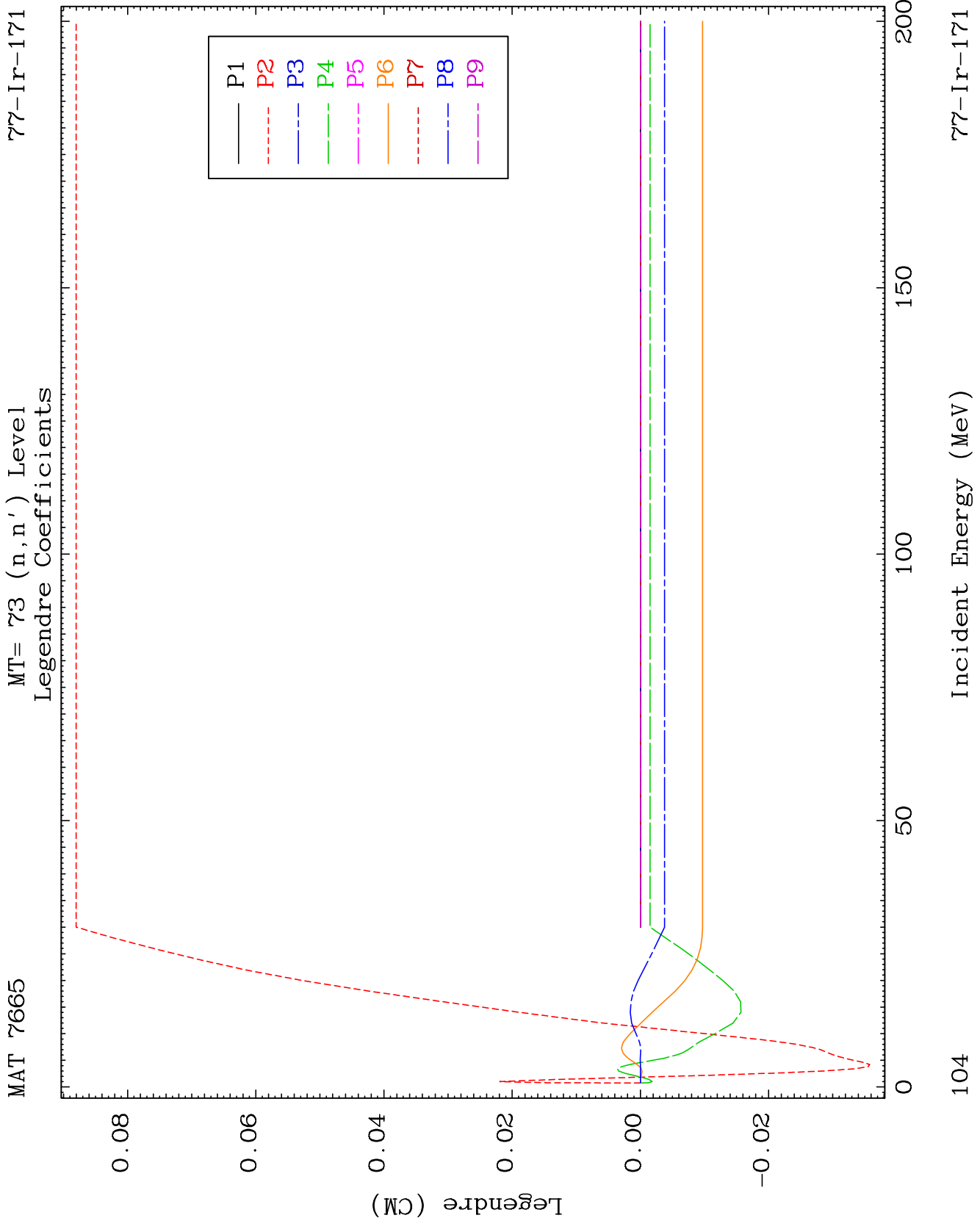


102

77-Ir-171



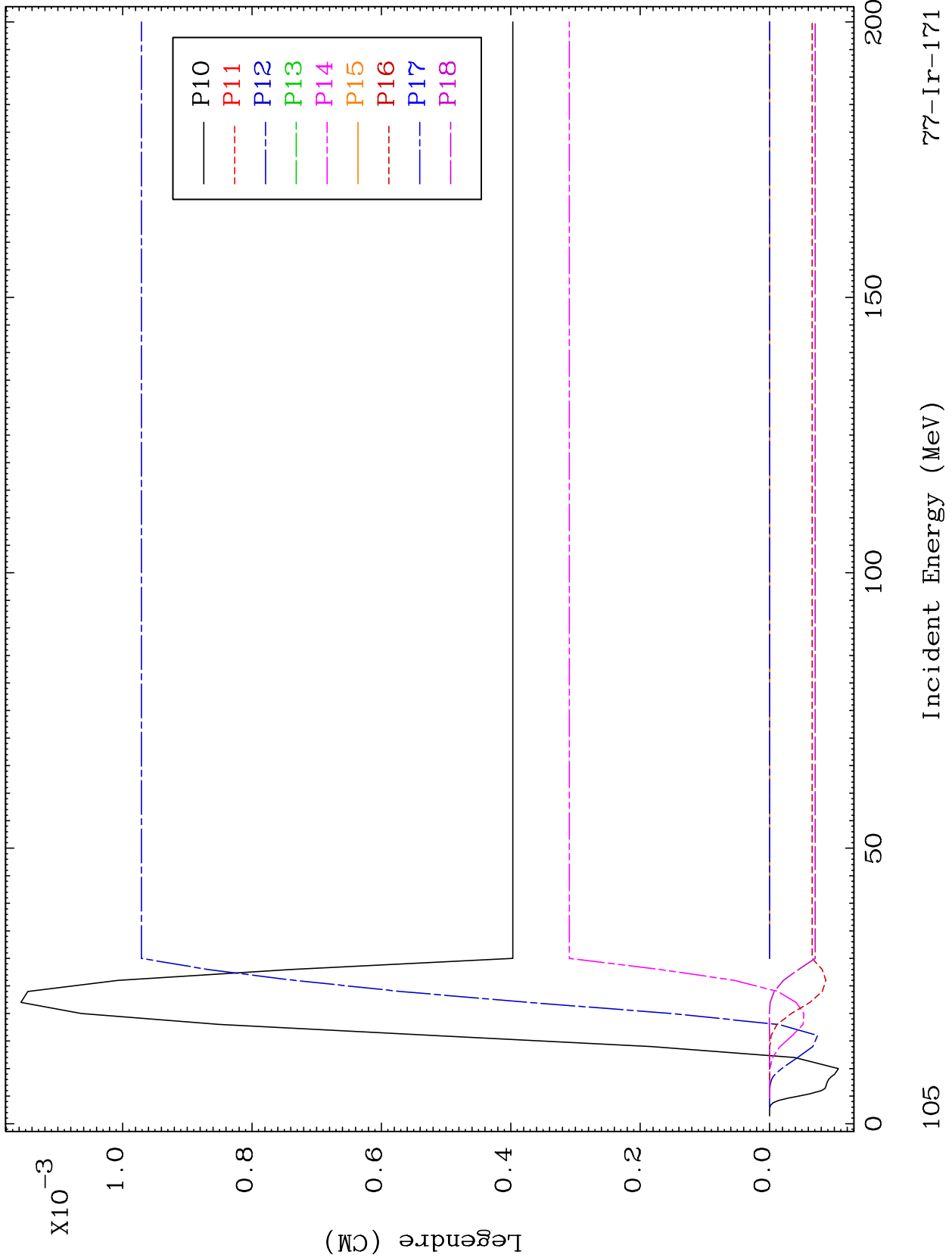




MAT 7665

MT= 73 (n,n') Level  
Legendre Coefficients

77-Ir-171

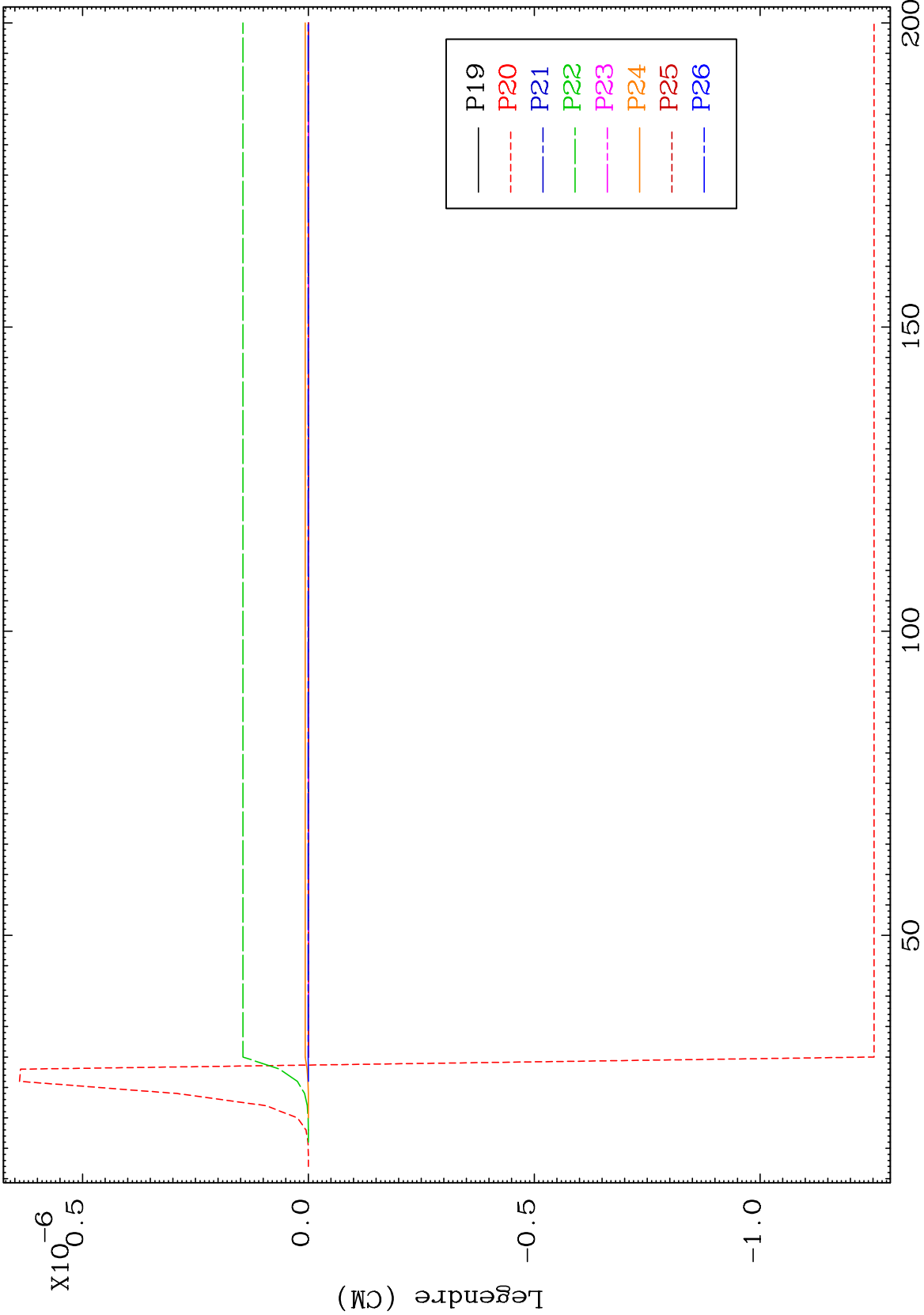


77-Ir-171

MAT 7665

MT= 73 (n,n') Level  
Legendre Coefficients

77-Ir-171



106

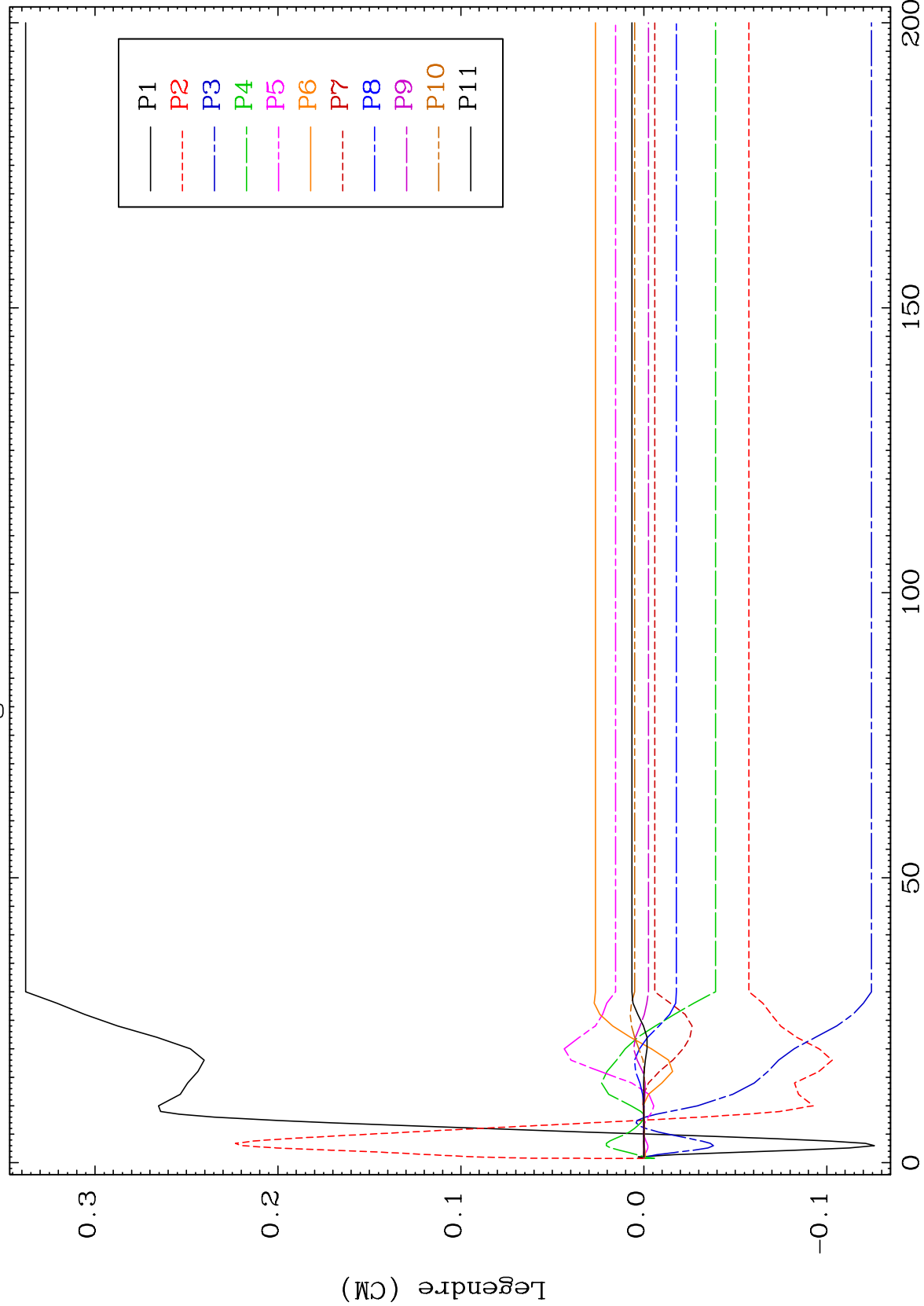
Incident Energy (MeV)

77-Ir-171

MAT 7665

MT= 74 (n,n') Level  
Legendre Coefficients

77-Ir-171



107

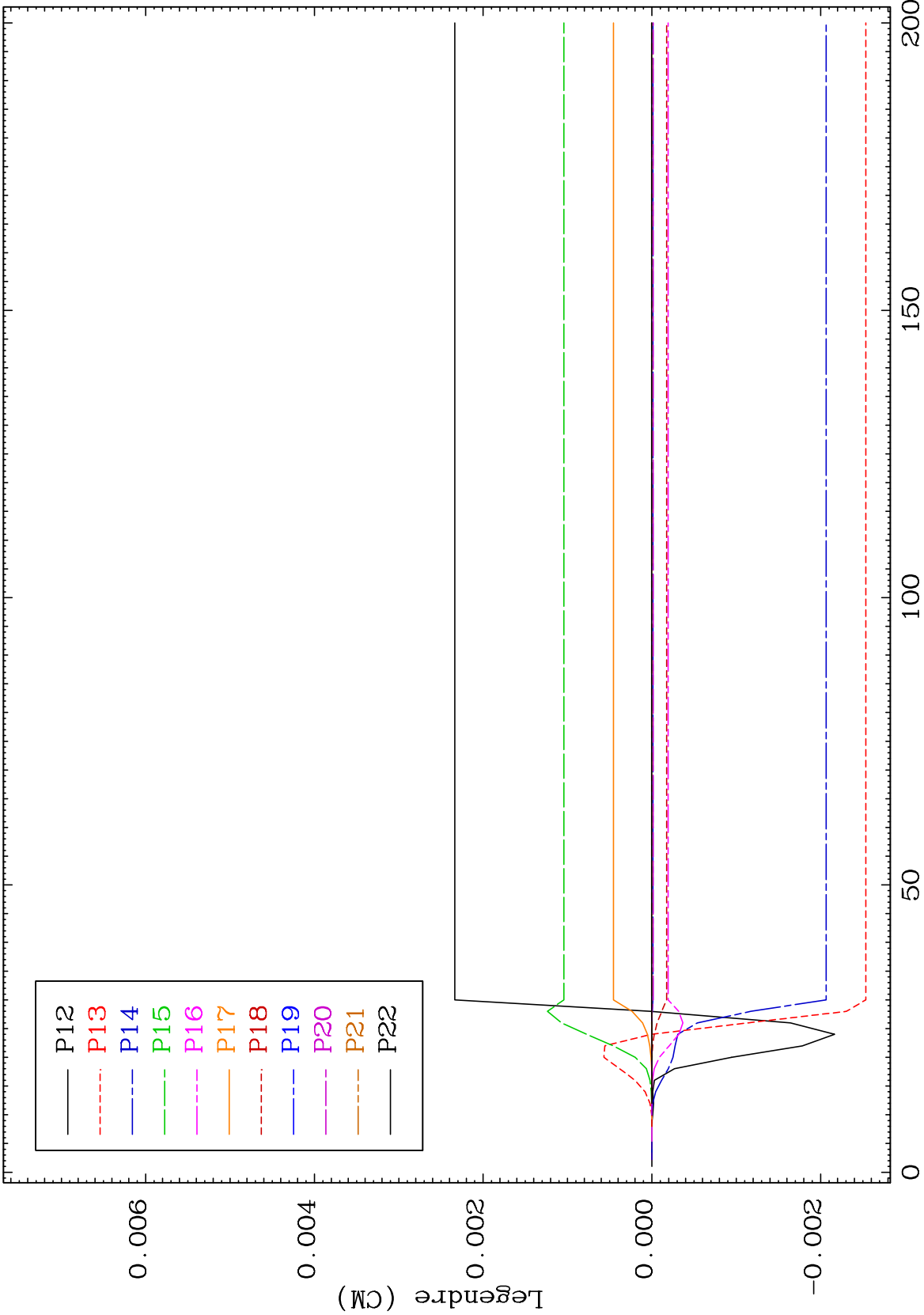
Incident Energy (MeV)

77-Ir-171

MAT 7665

MT= 74 (n,n') Level  
Legendre Coefficients

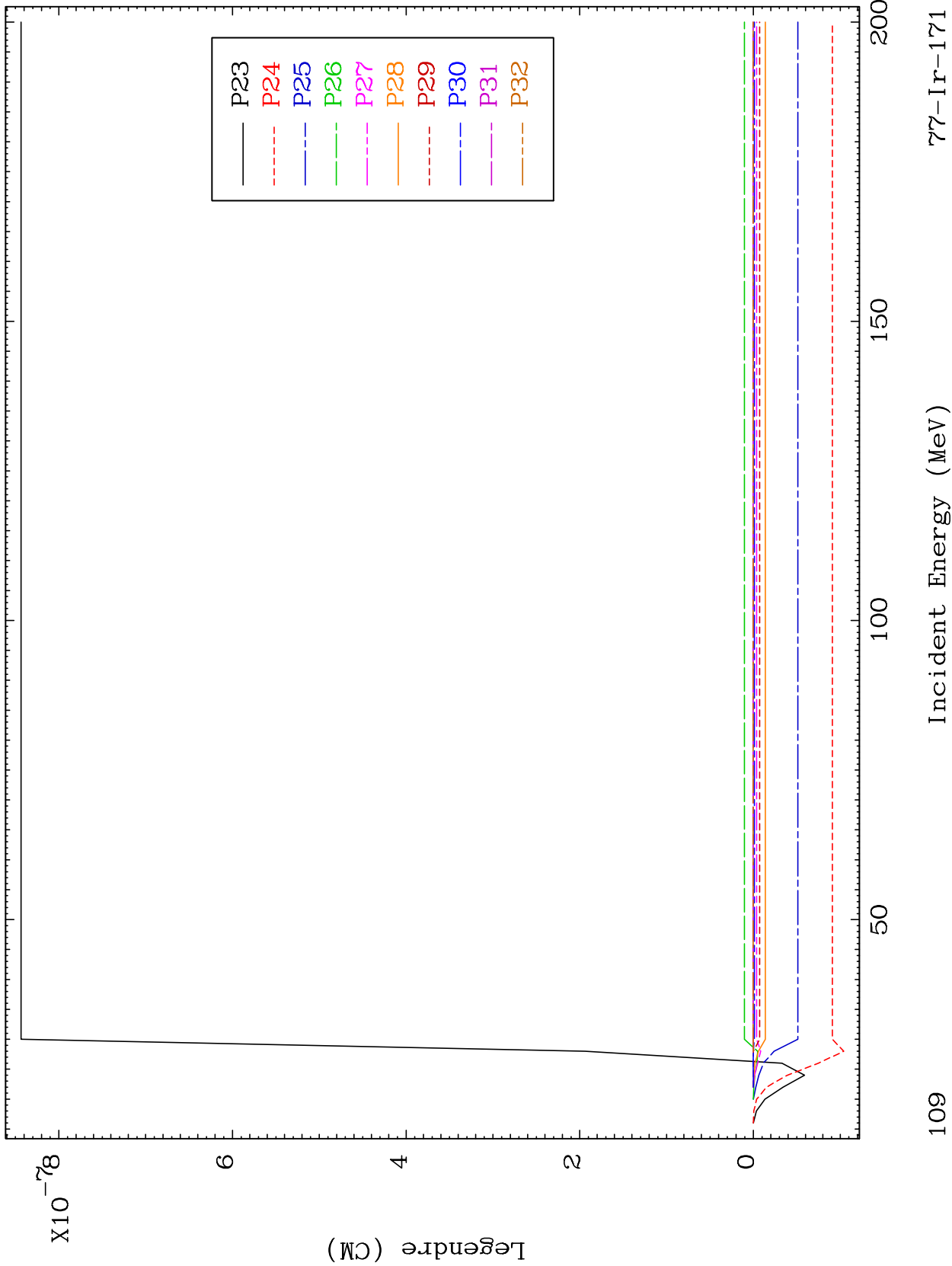
77-Ir-171

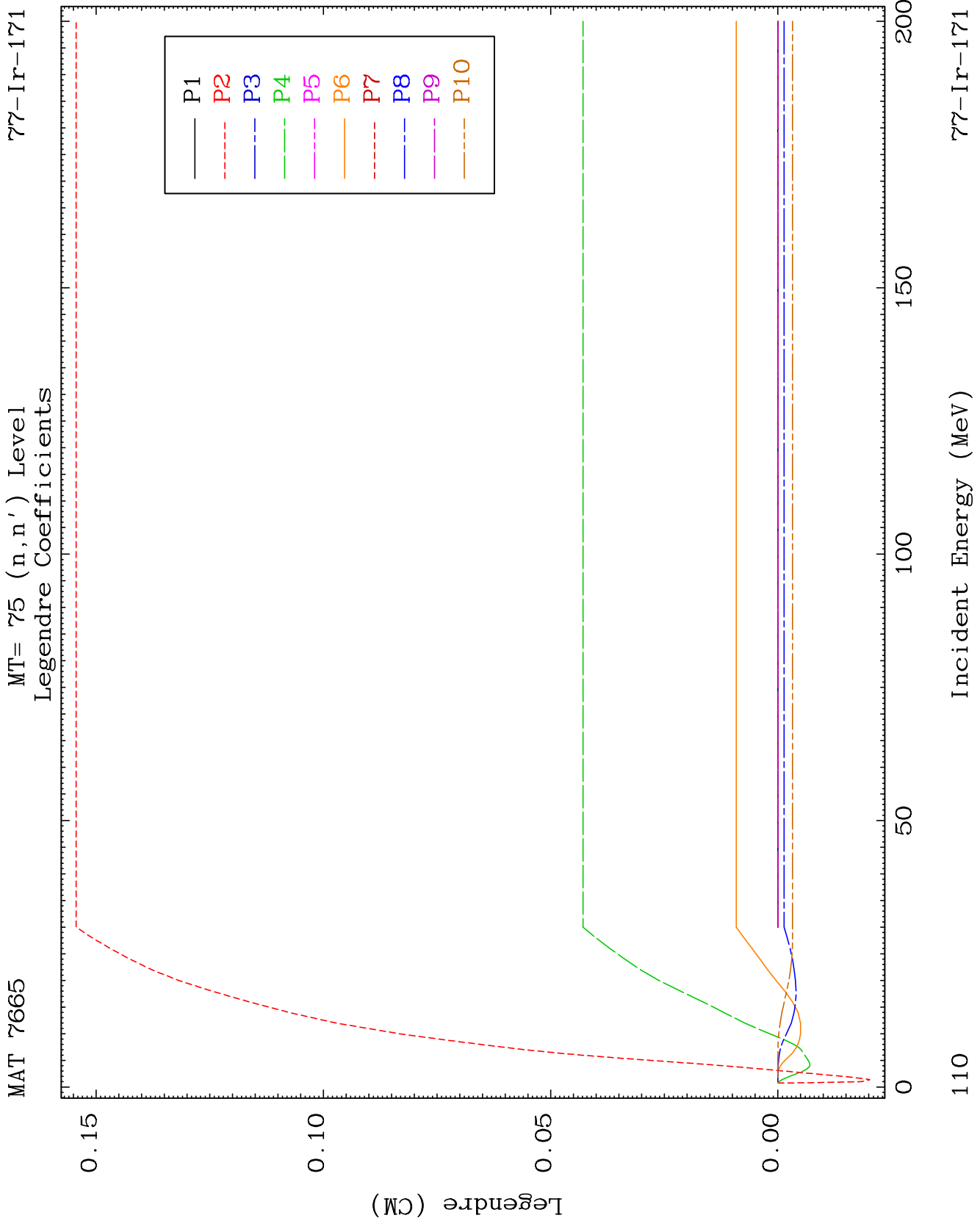


108

Incident Energy (MeV)

77-Ir-171

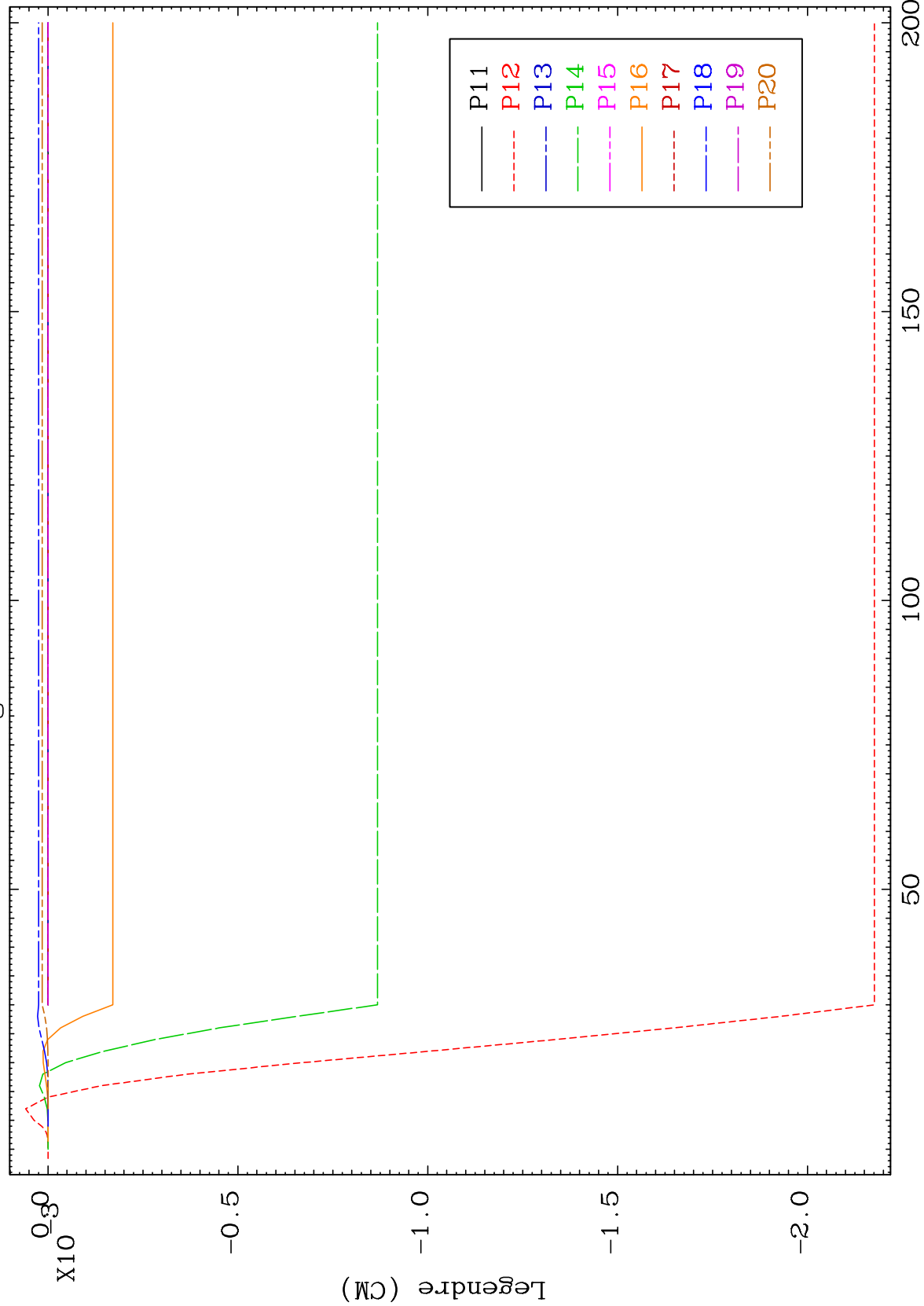




MAT 7665

MT= 75 (n,n') Level  
Legendre Coefficients

77-Ir-171



111

Incident Energy (MeV)

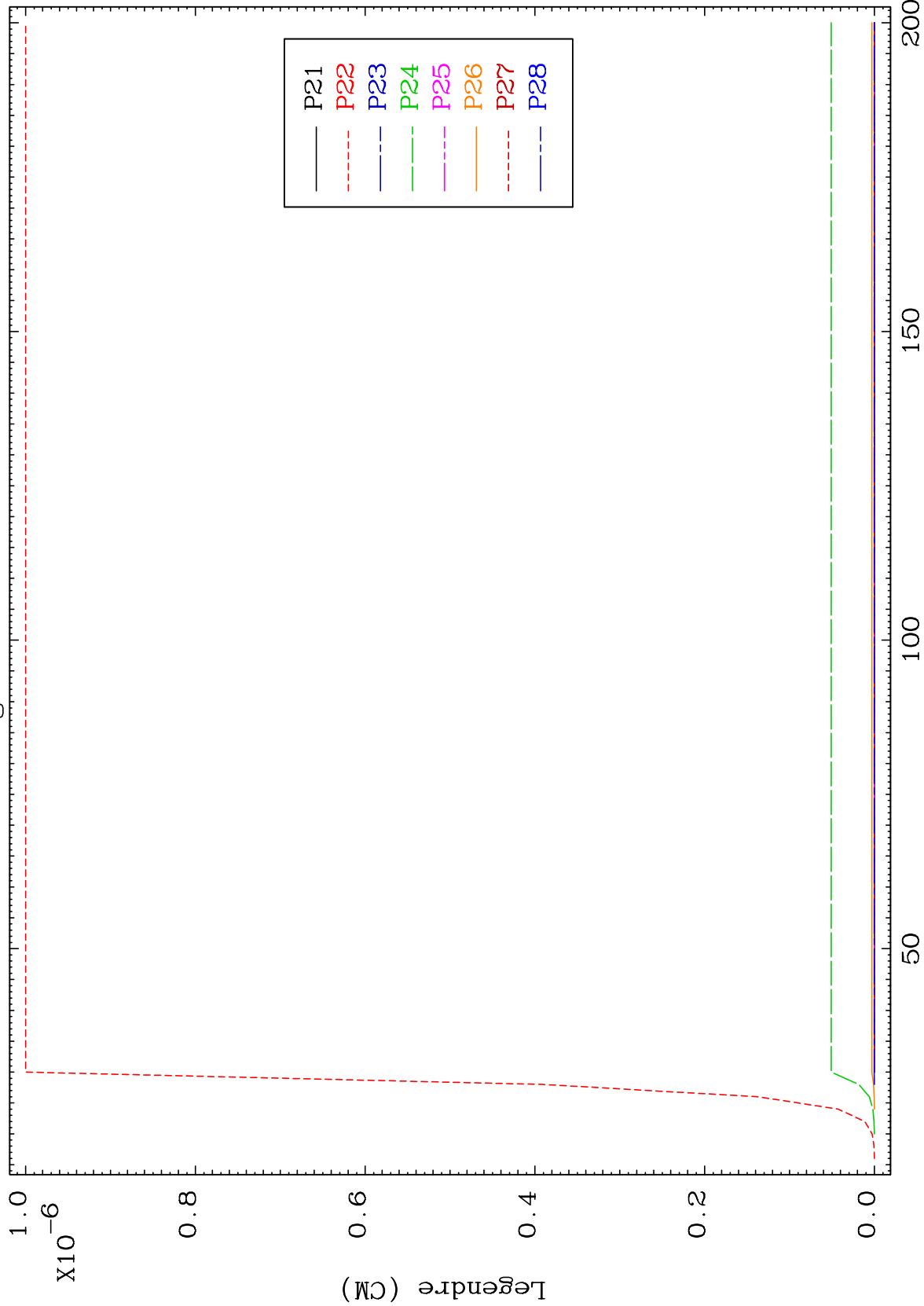
77-Ir-171



MAT 7665

MT= 75 (n,n') Level  
Legendre Coefficients

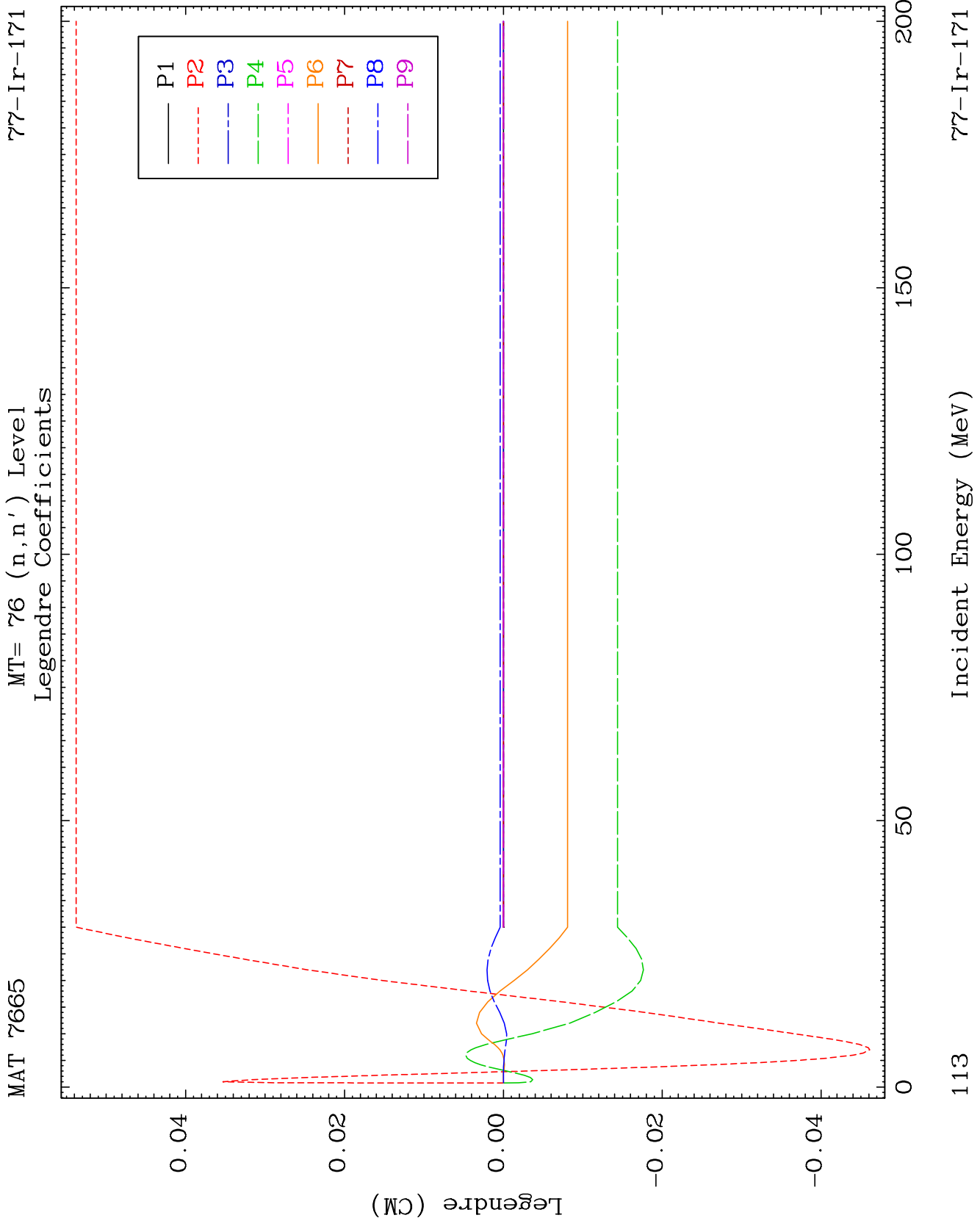
77-Ir-171



112

Incident Energy (MeV)

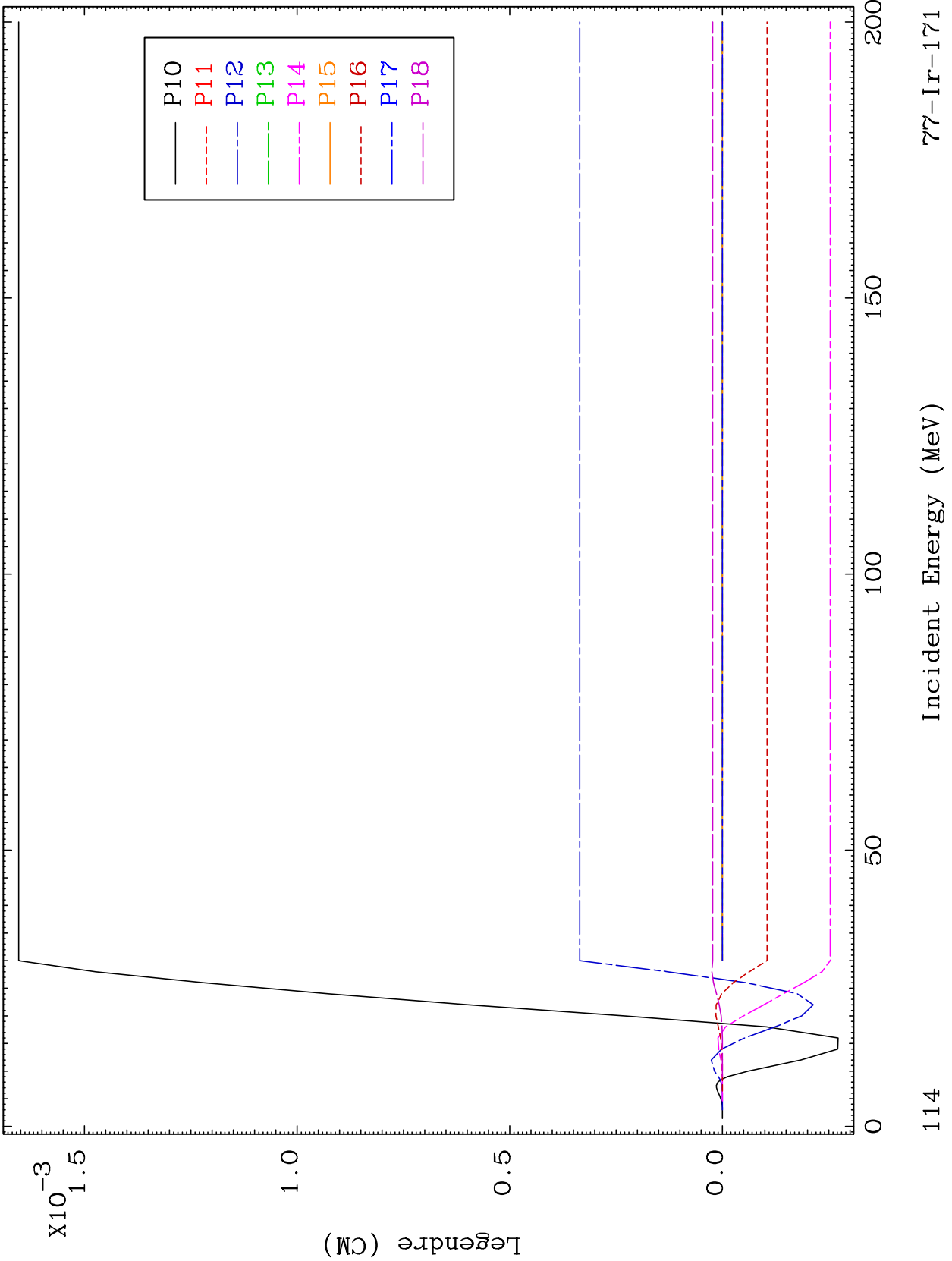
77-Ir-171

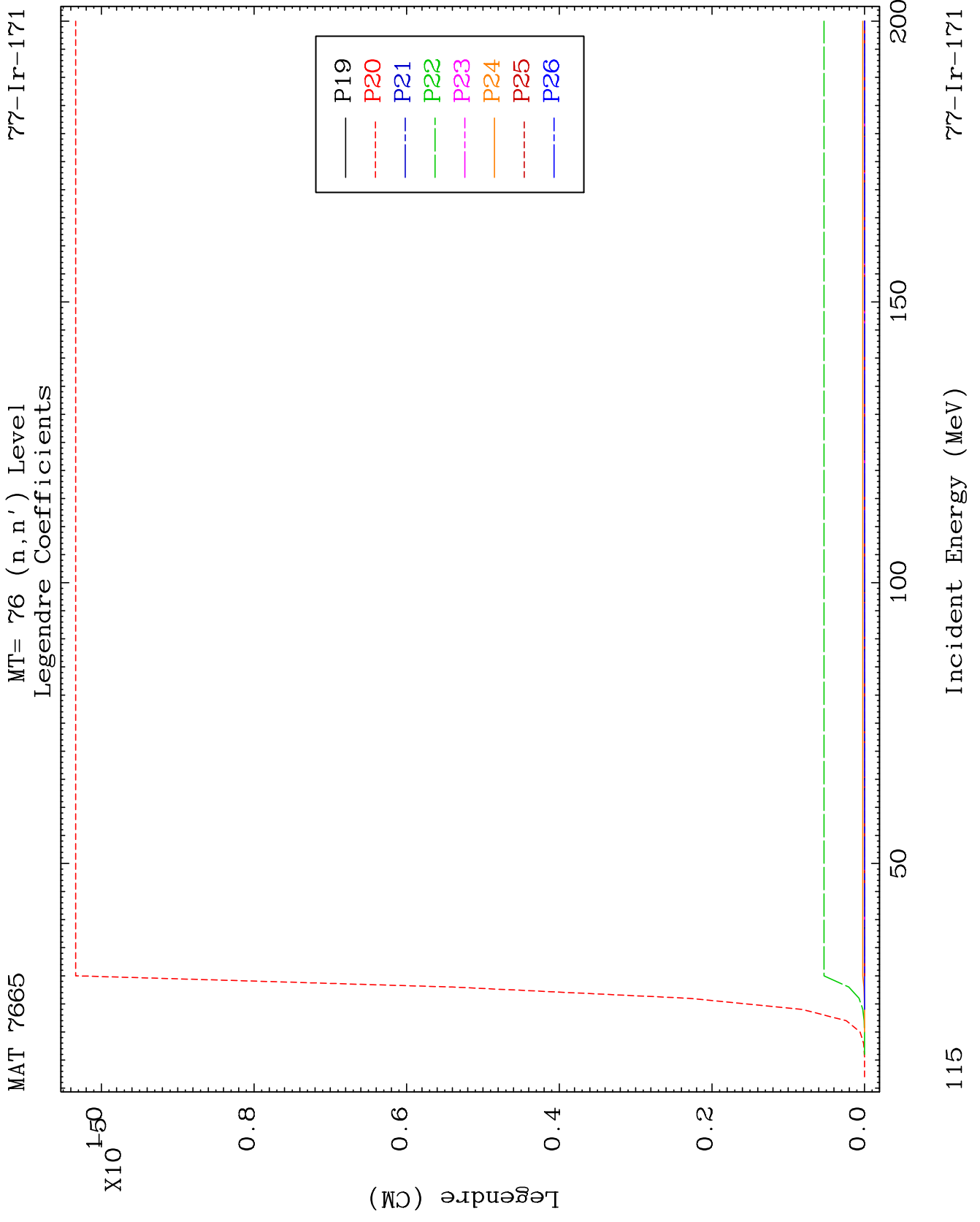


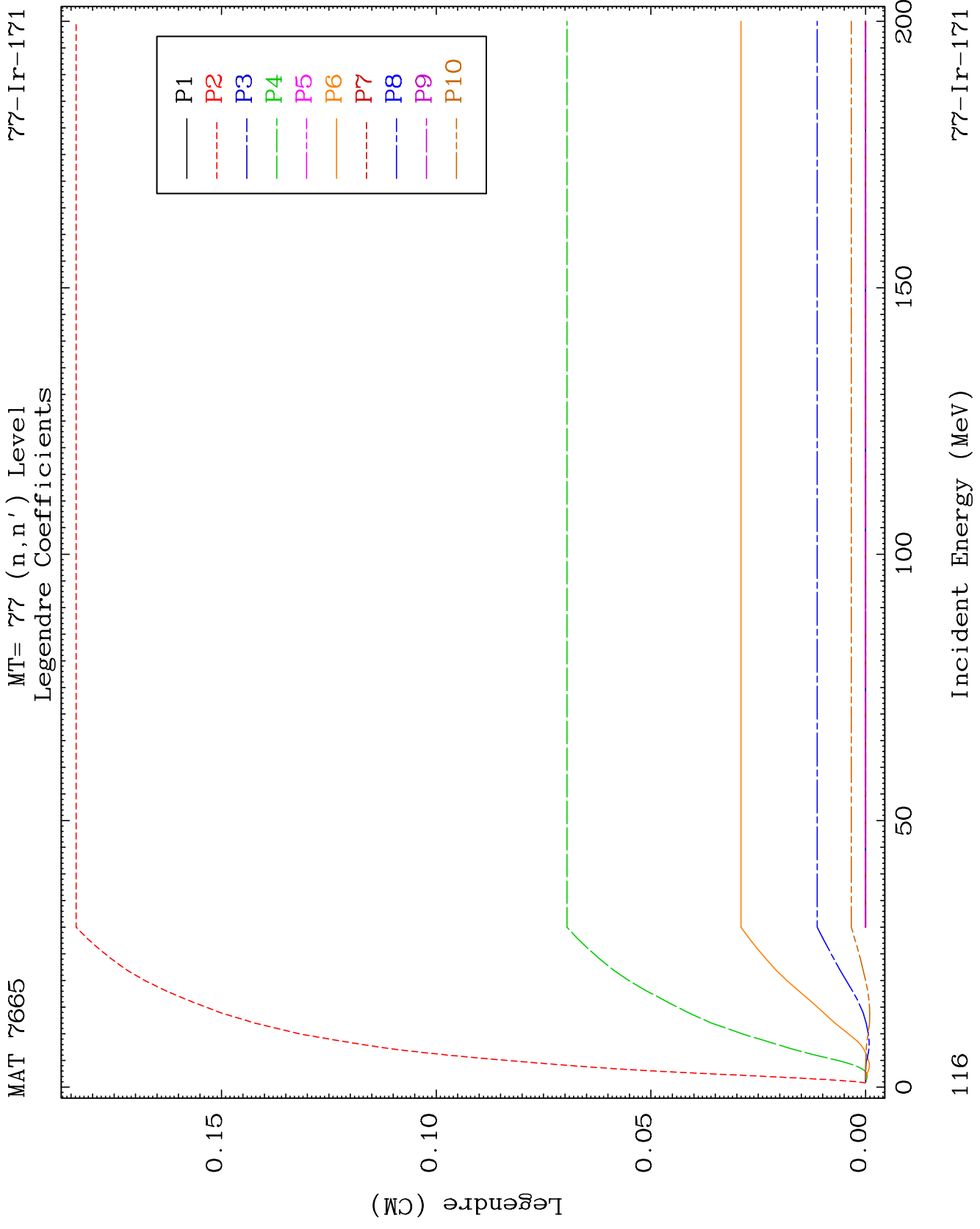
MAT 7665

MT= 76 (n,n') Level  
Legendre Coefficients

77-Ir-171



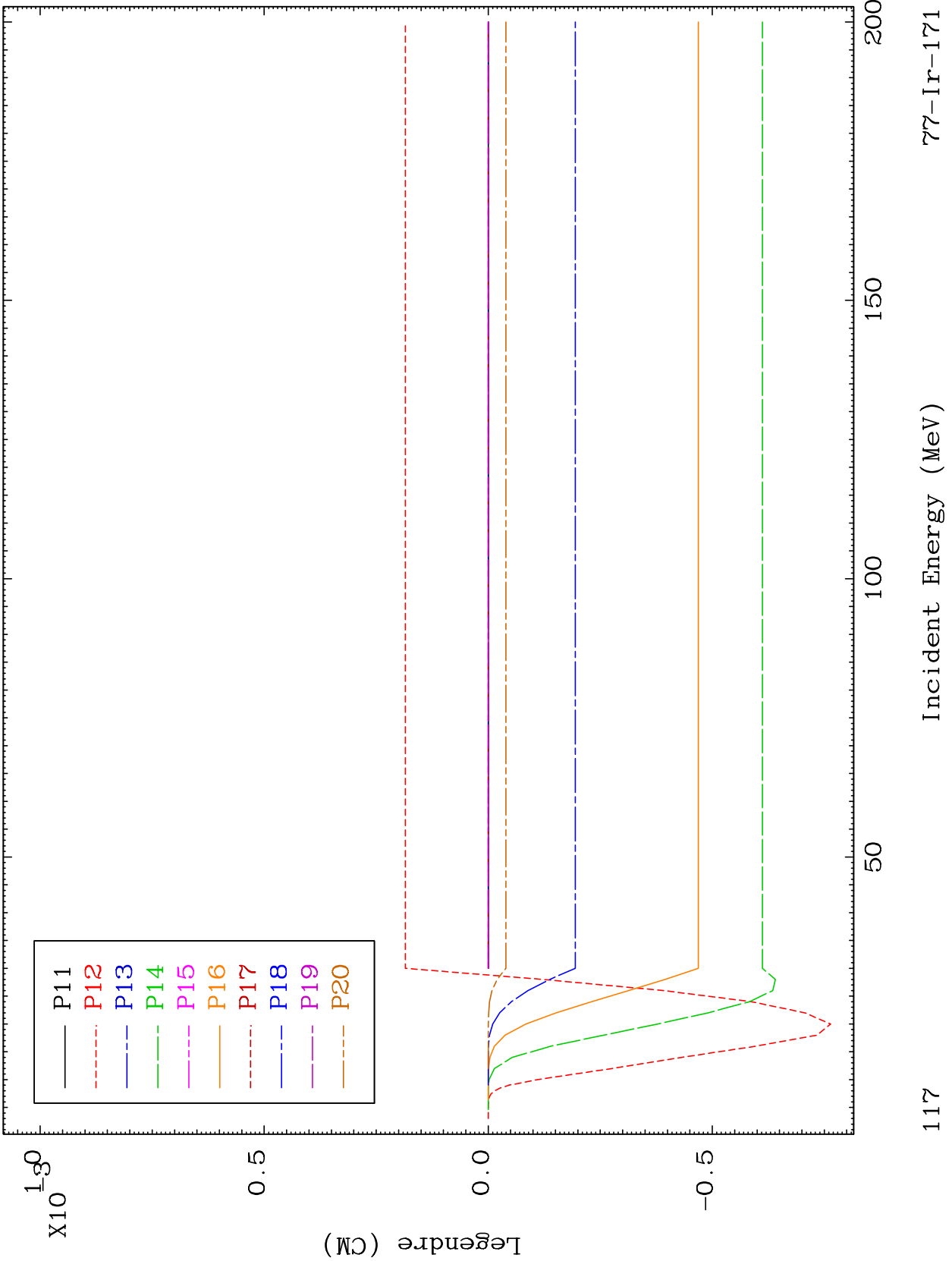


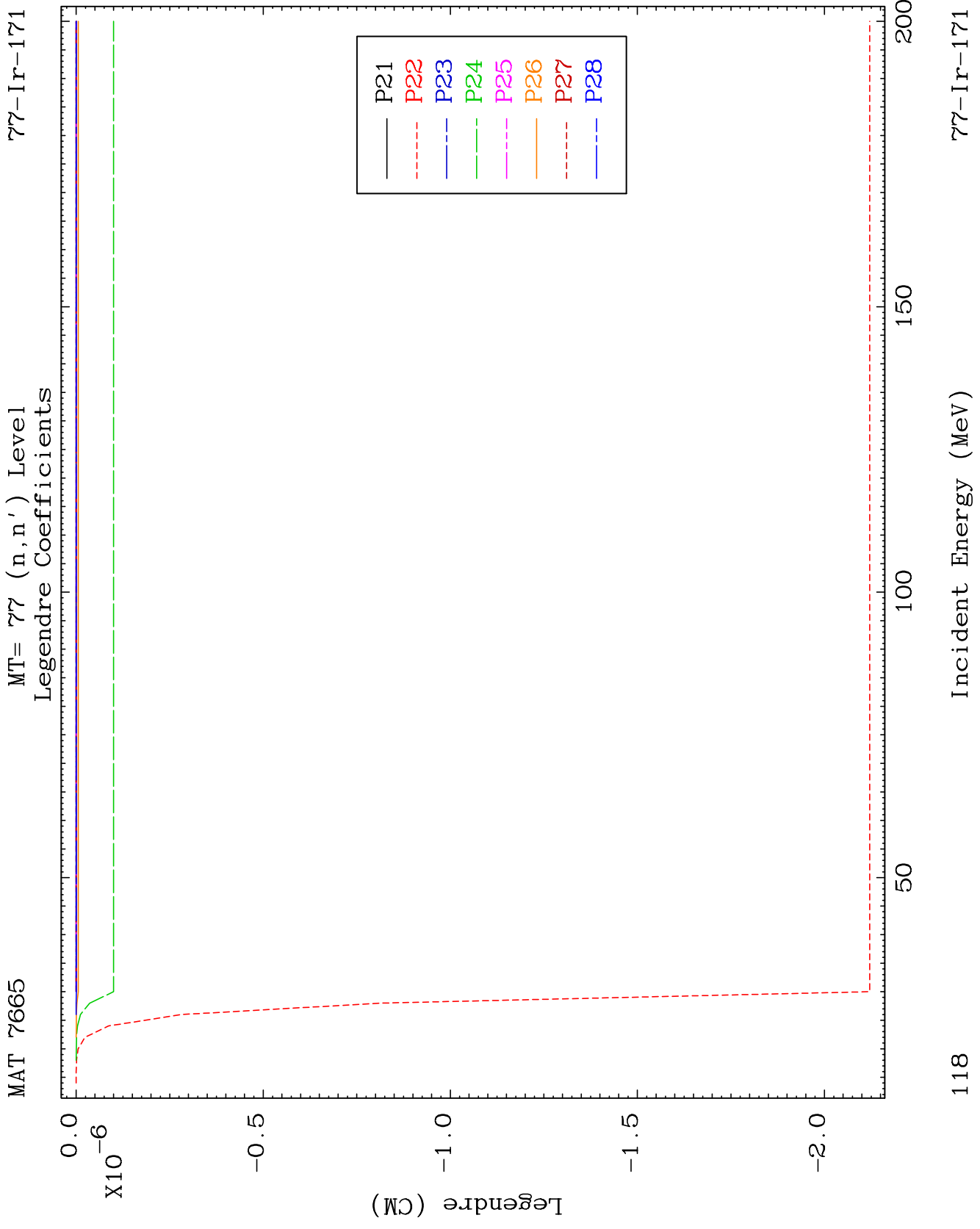


77-Ir-171

77-Ir-171

116

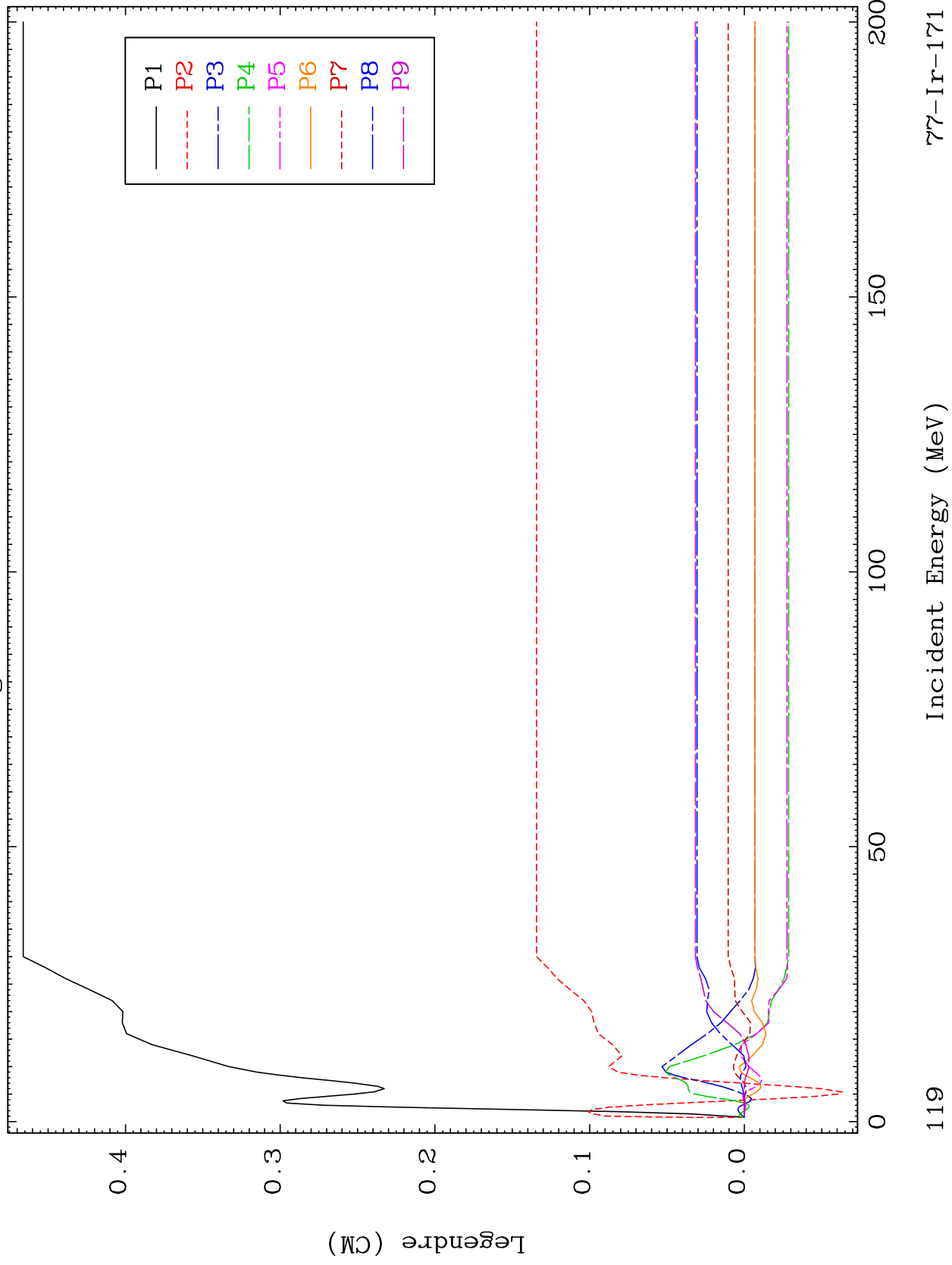




MAT 7665

MT= 78 (n,n') Level  
Legendre Coefficients

77-Ir-171



77-Ir-171

Incident Energy (MeV)

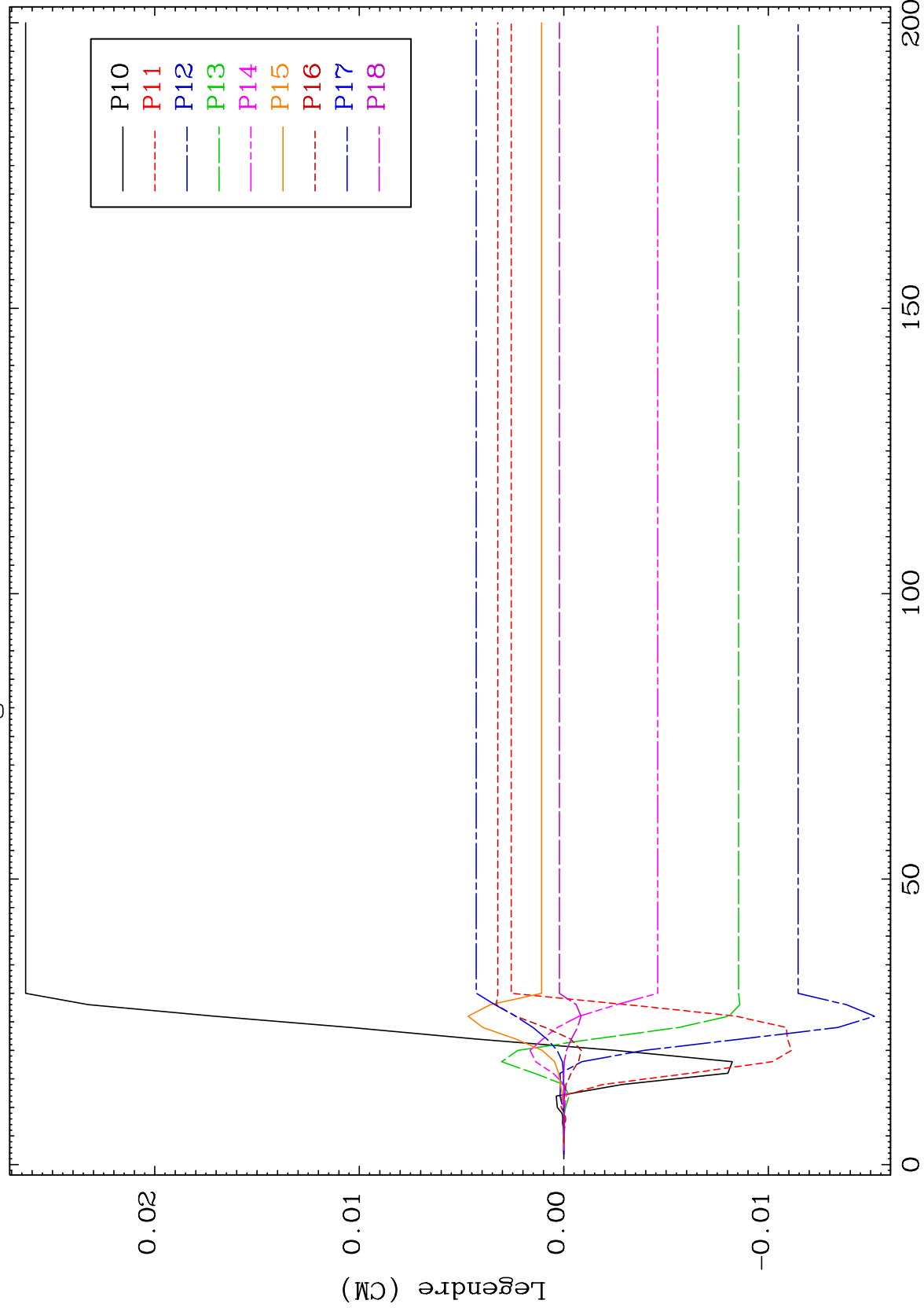
119



MAT 7665

MT= 78 (n,n') Level  
Legendre Coefficients

77-Ir-171



77-Ir-171

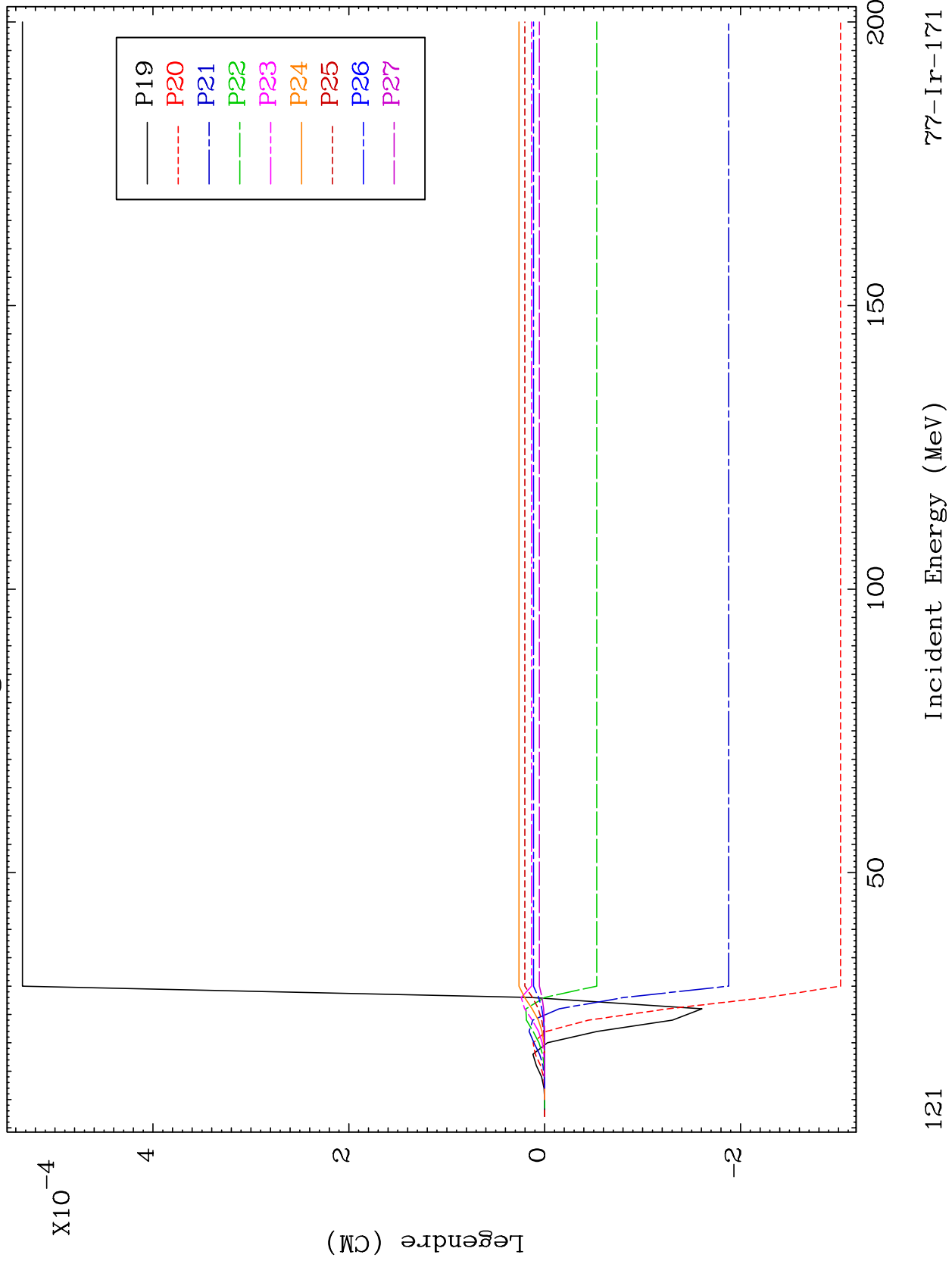
Incident Energy (MeV)

120

MAT 7665

MT= 78 (n,n') Level  
Legendre Coefficients

77-Ir-171



121

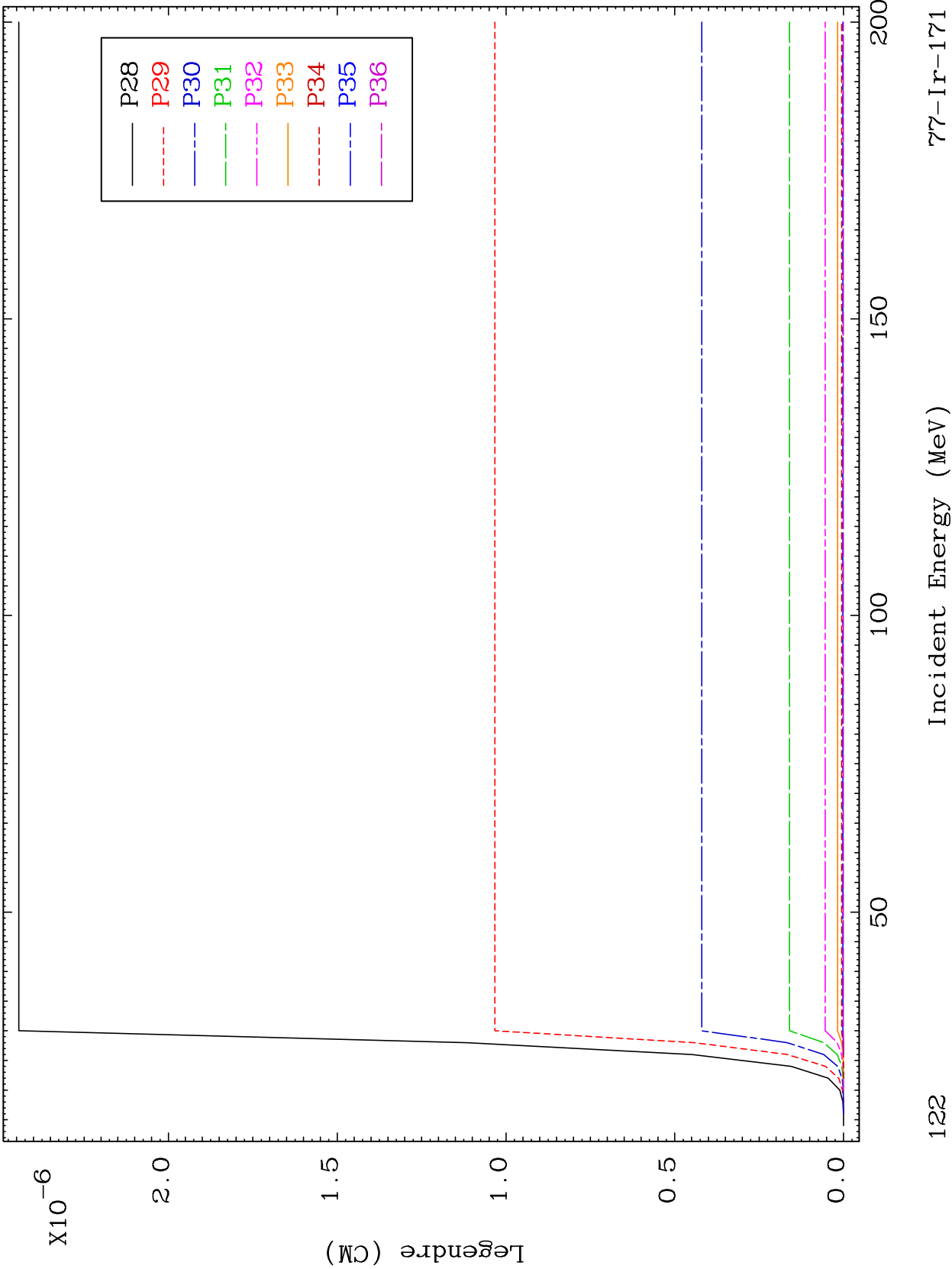
Incident Energy (MeV)

77-Ir-171

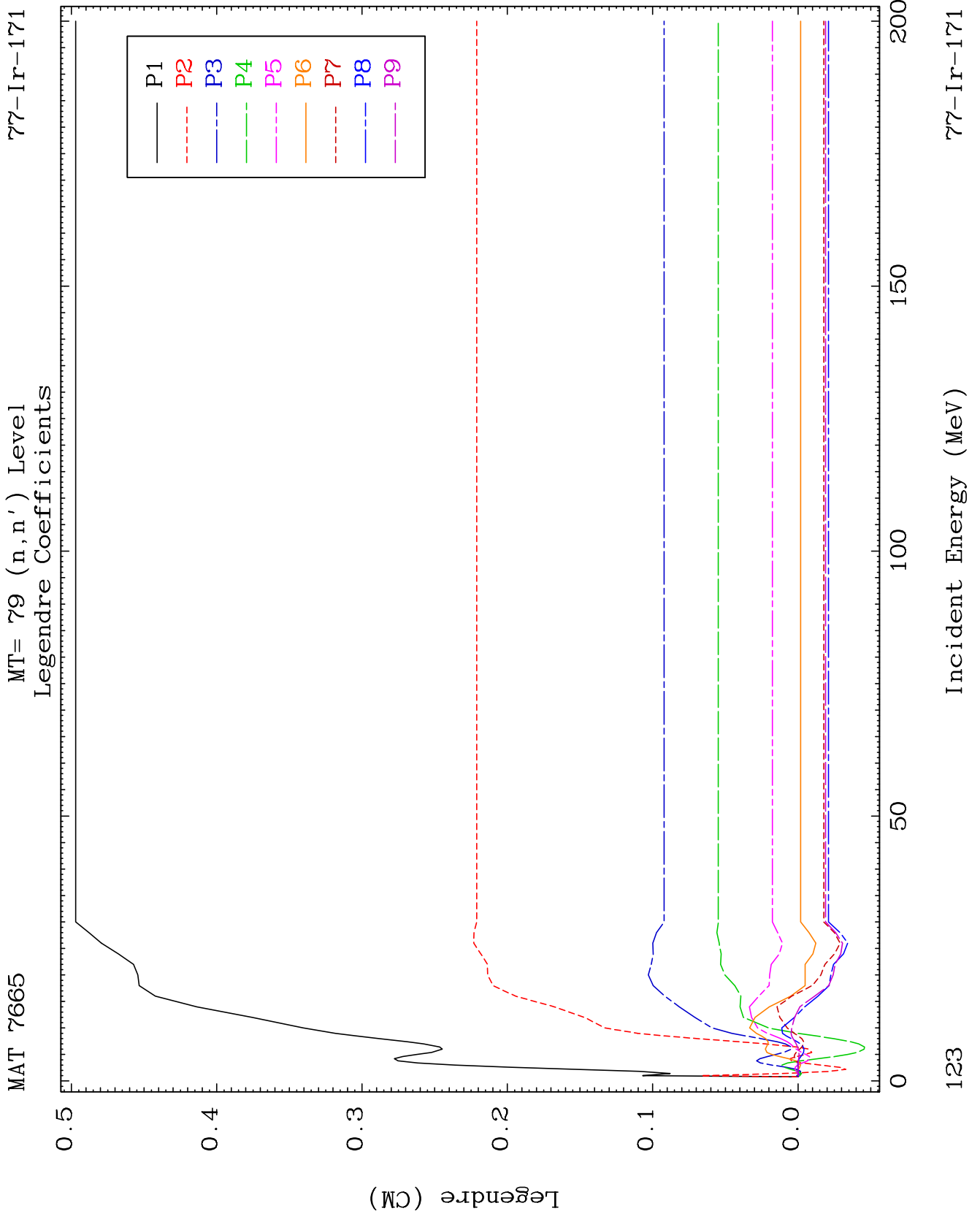
MAT 7665

MT= 78 (n,n') Level  
Legendre Coefficients

77-Ir-171



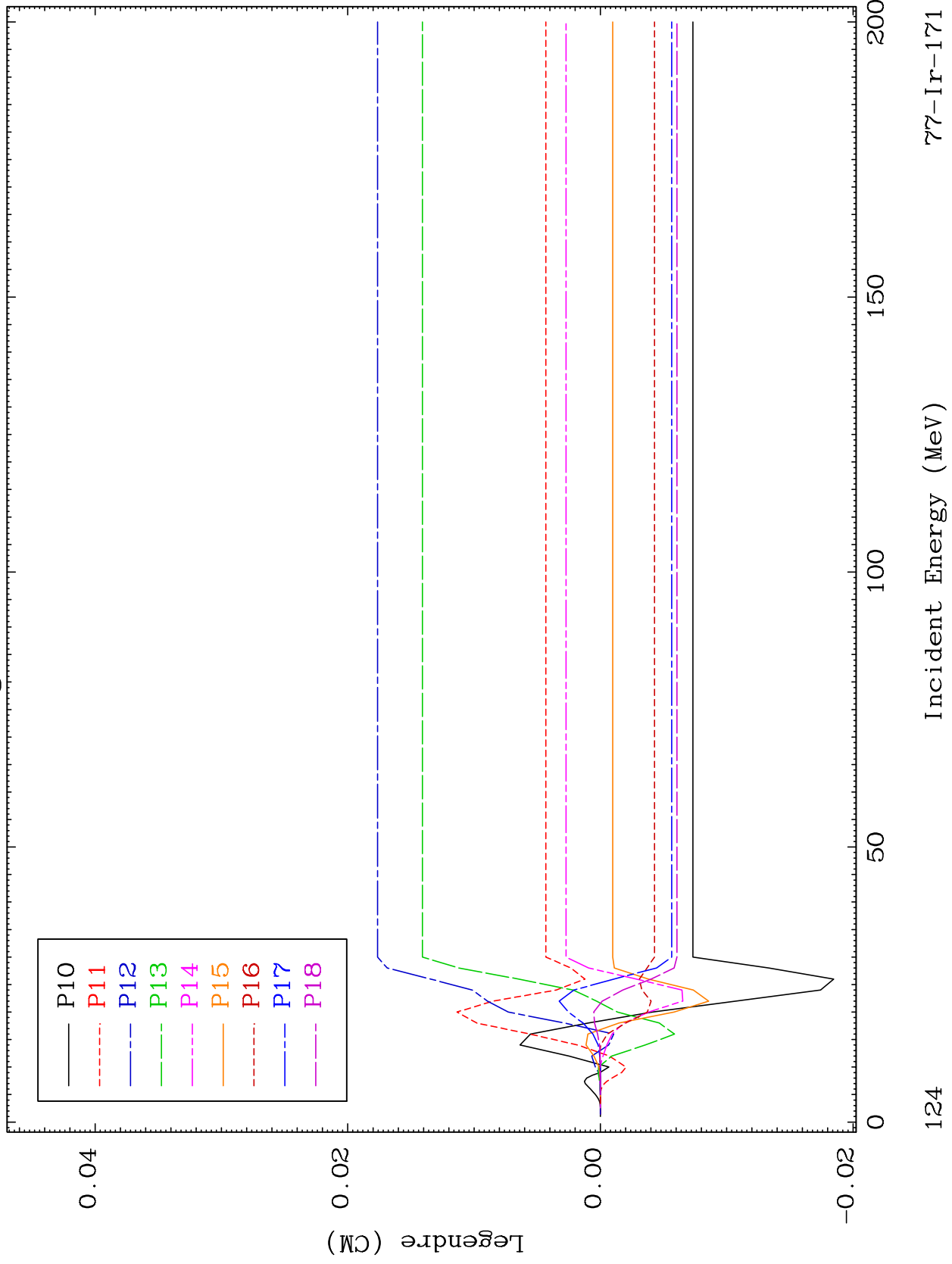
122



MAT 7665

MT= 79 (n,n') Level  
Legendre Coefficients

77-Ir-171



124

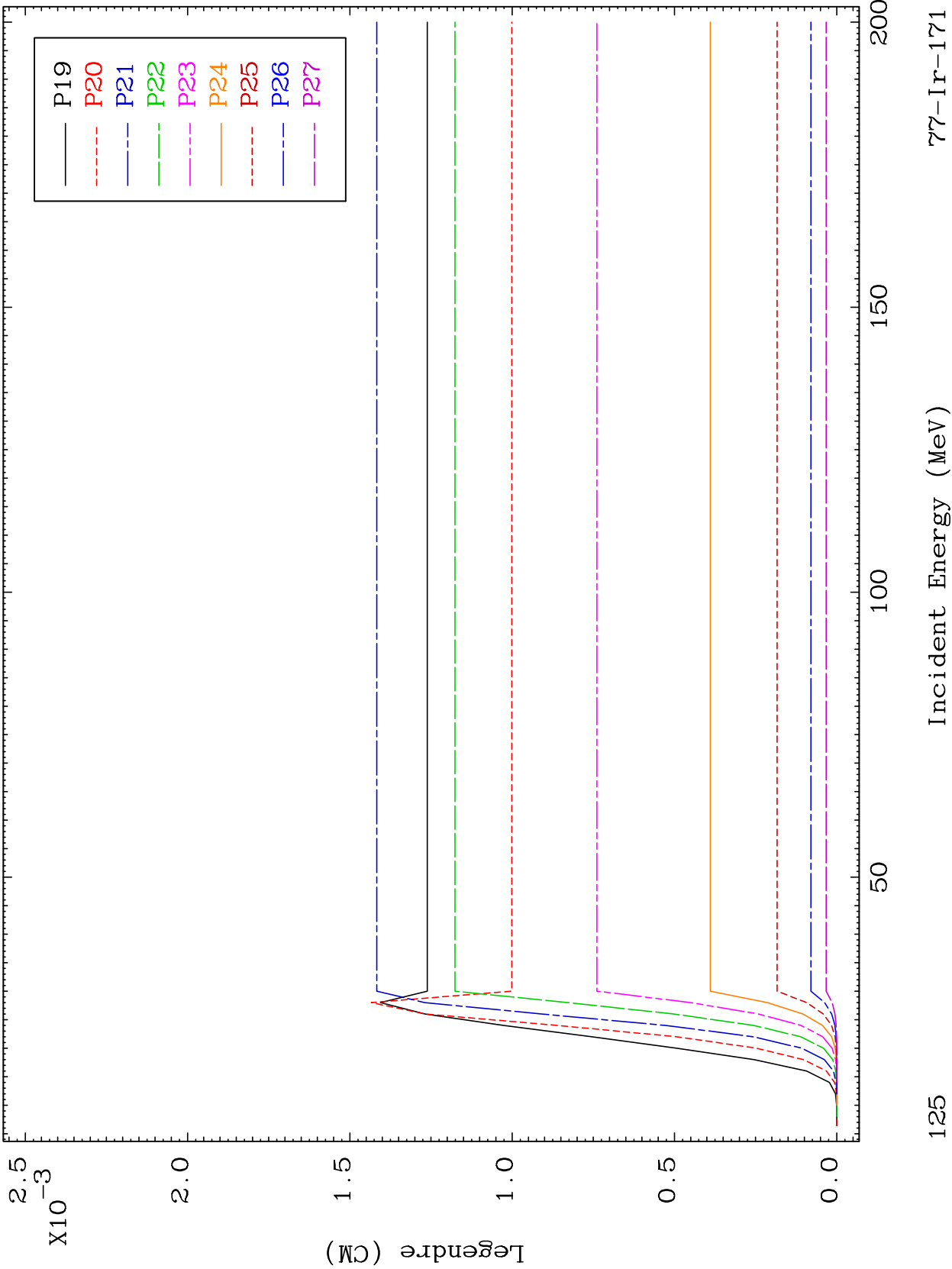
Incident Energy (MeV)

77-Ir-171

MAT 7665

MT= 79 (n,n') Level  
Legendre Coefficients

77-Ir-171



125

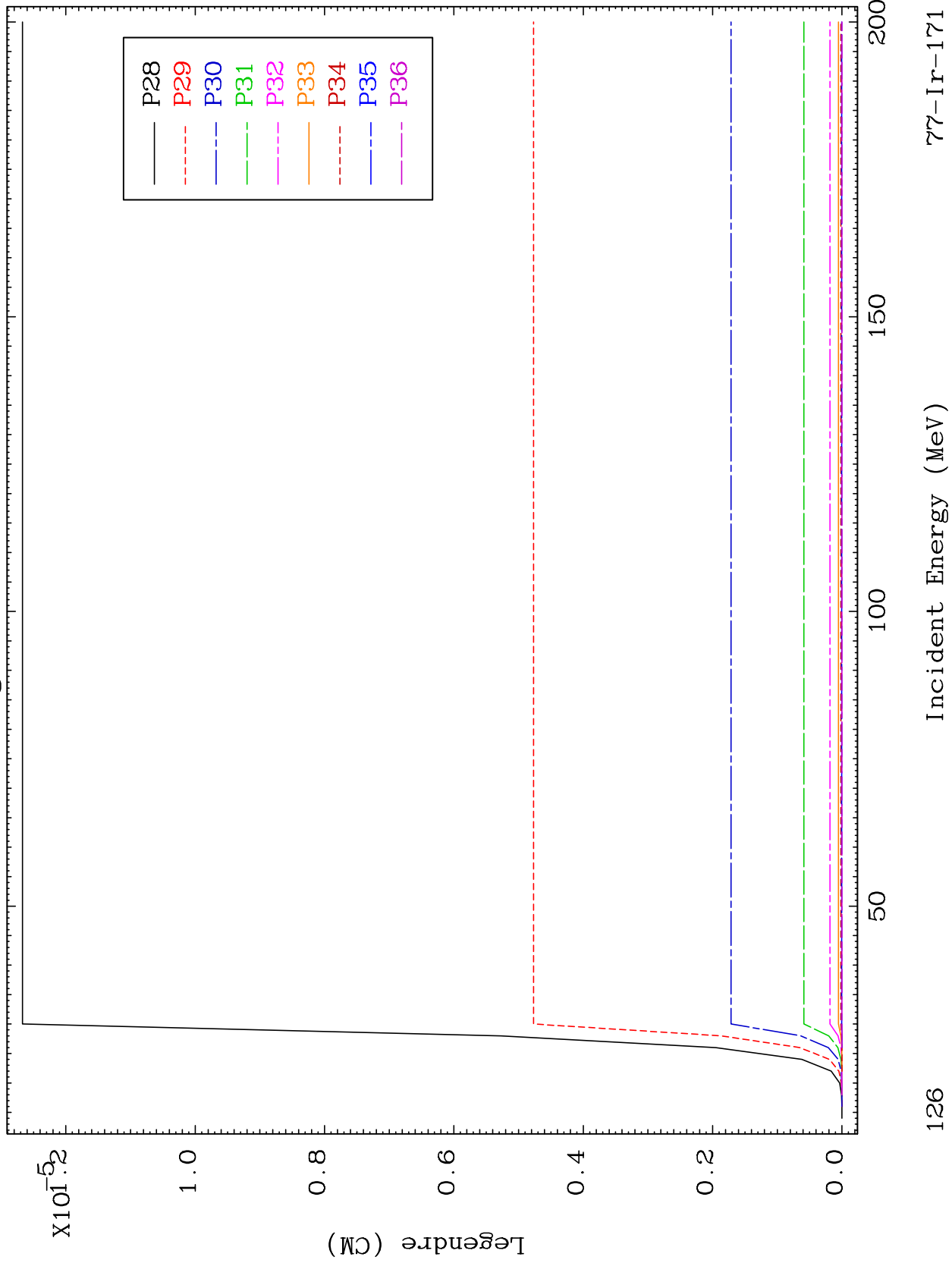
Incident Energy (MeV)

77-Ir-171

MAT 7665

MT= 79 (n,n') Level  
Legendre Coefficients

77-Ir-171



126

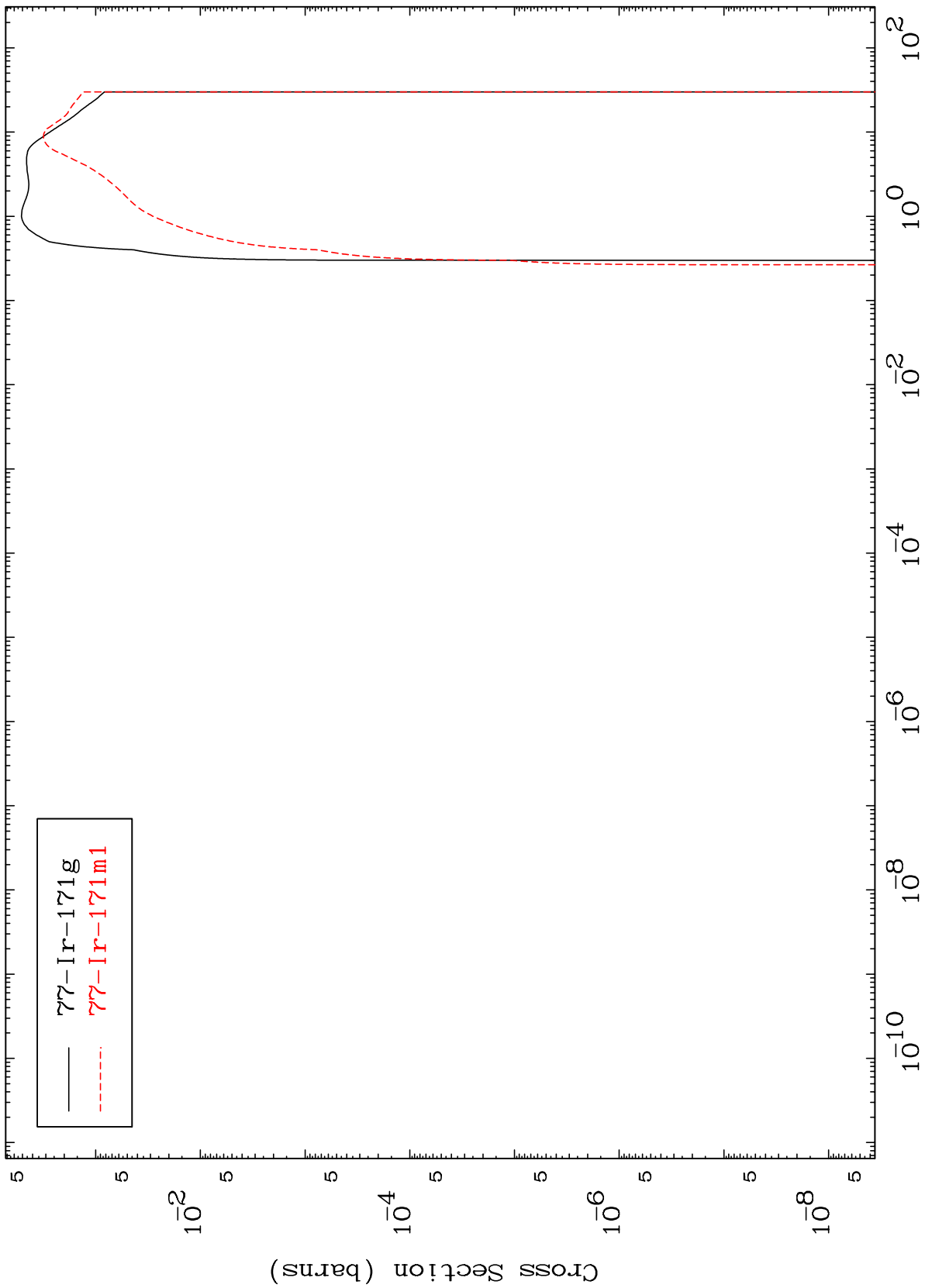
77-Ir-171

MAT 7665

Inelastic

<sup>77</sup>Ir-171

Radionuclide Production Cross Section



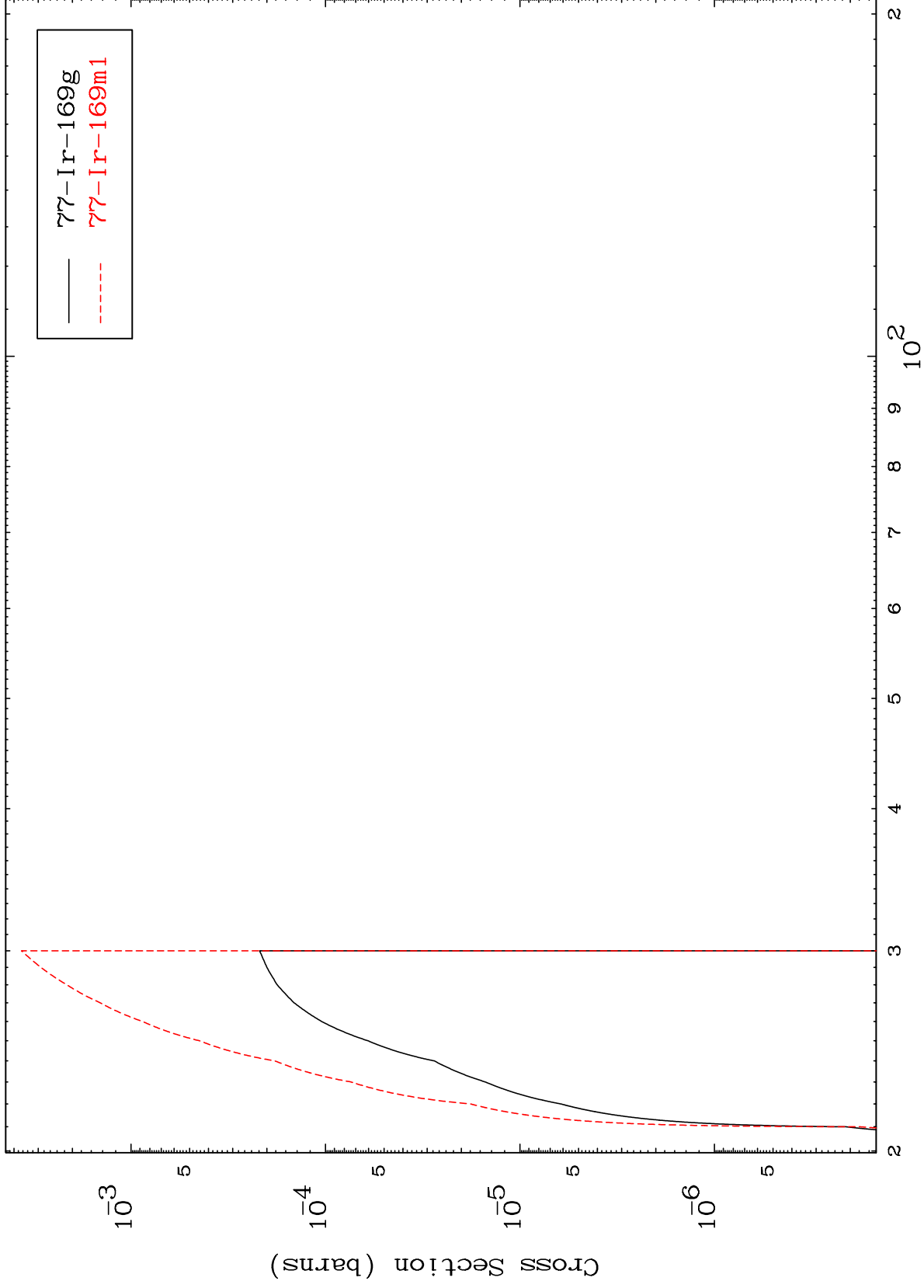


MAT 7665

<sup>77</sup>Ir-171

(n,3n)

Radionuclide Production Cross Section

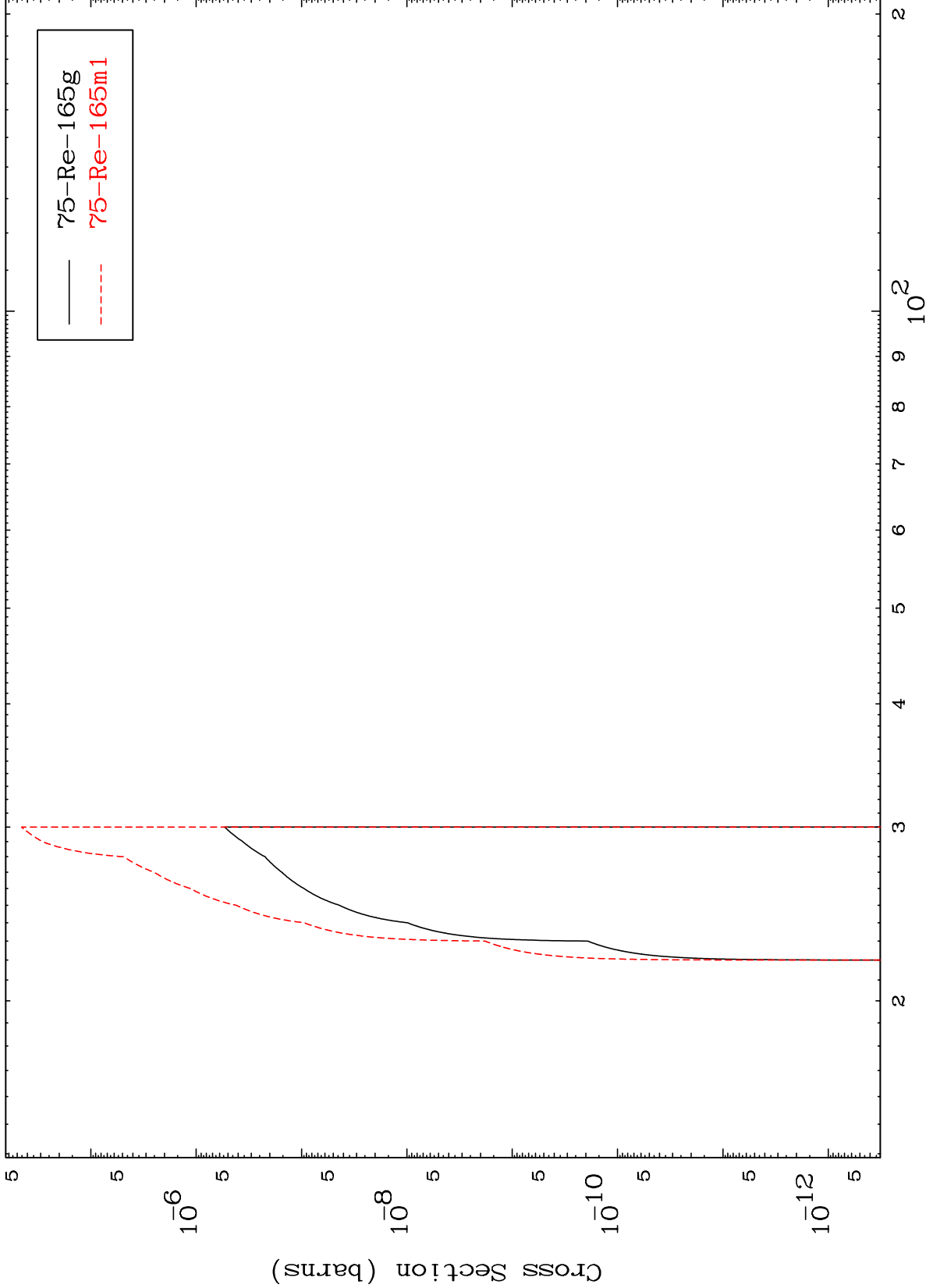


128

Incident Energy (MeV)

<sup>77</sup>Ir-171

Radionuclide Production Cross Section

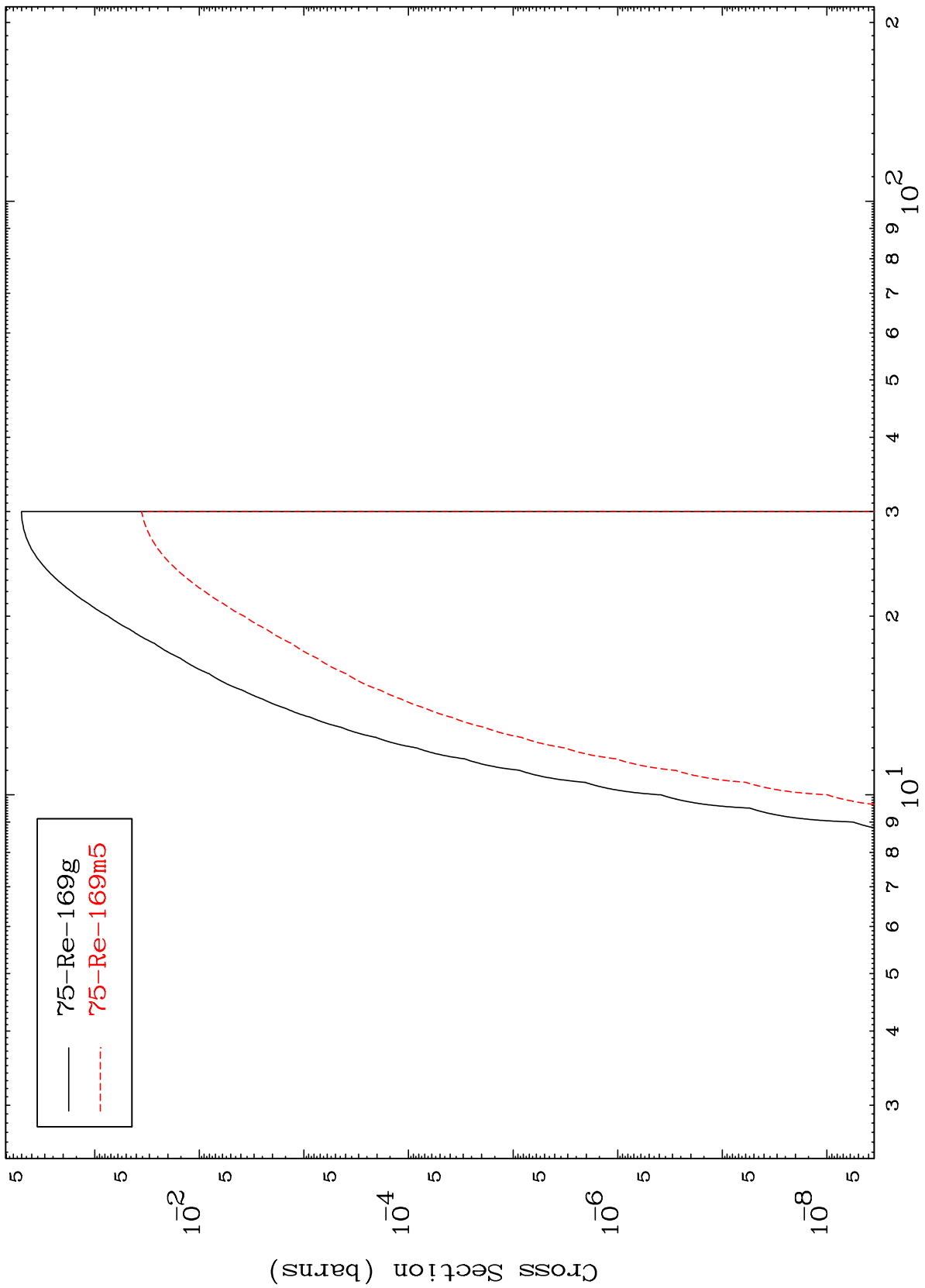


MAT 7665

$^{75}\text{Re-169g}$   $(n,2n)$  p

$^{77}\text{Ir-171}$

Radionuclide Production Cross Section



—  $^{75}\text{Re-169g}$   
- - -  $^{75}\text{Re-169m5}$

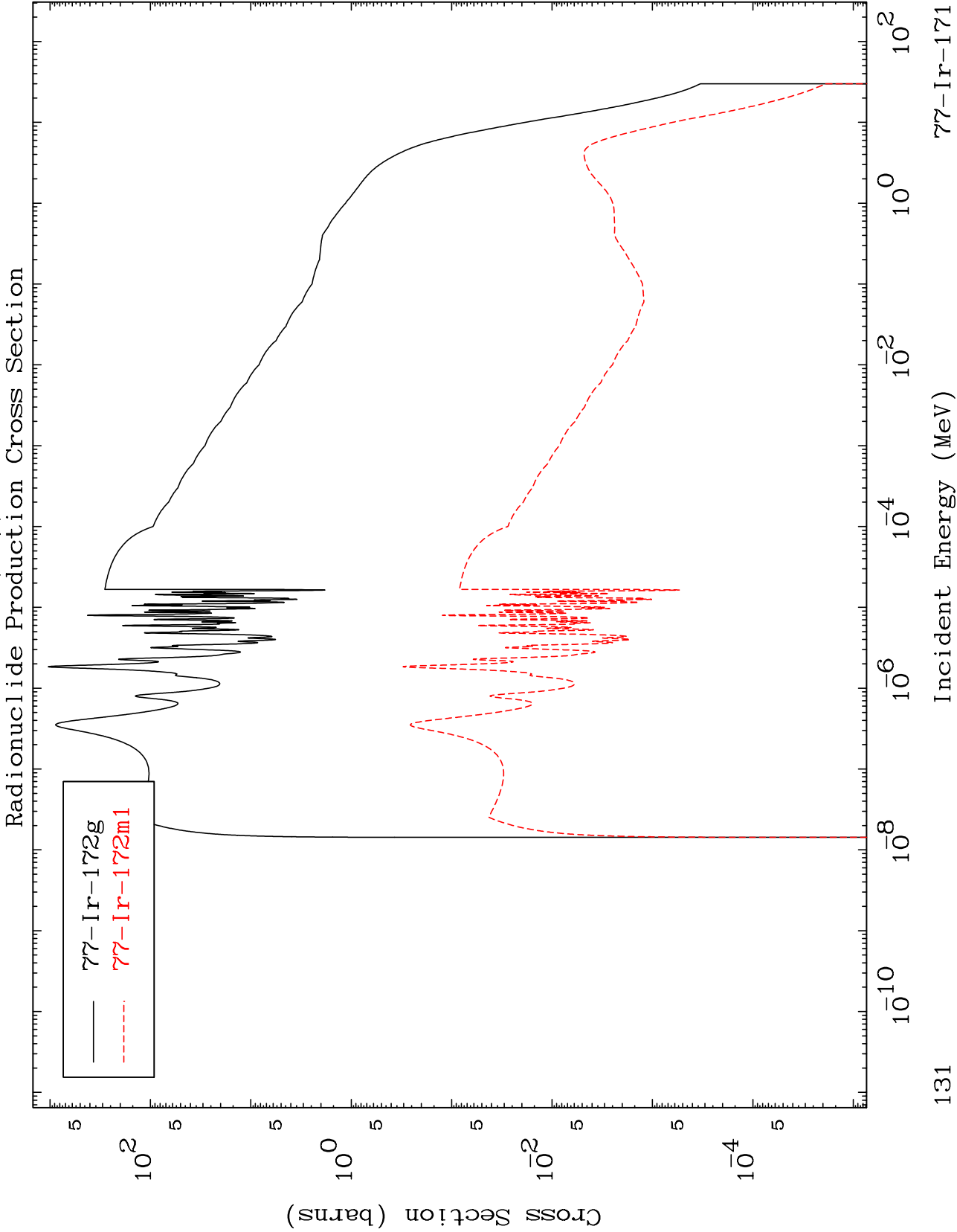
130

Incident Energy (MeV)

$^{77}\text{Ir-171}$

MAT 7665

<sup>77</sup>Ir-171



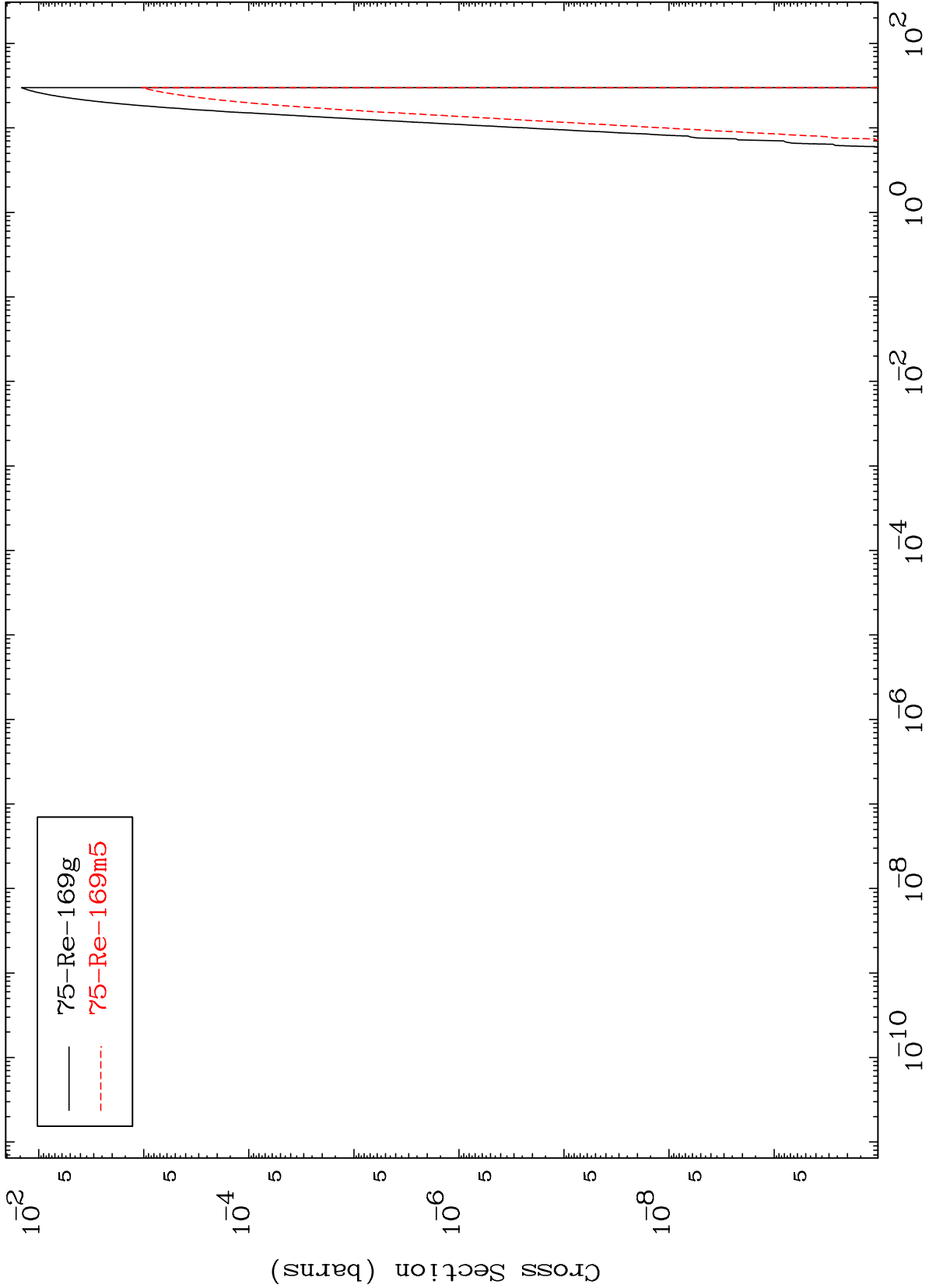
131

MAT 7665

(n,He-3)

77-Ir-171

Radionuclide Production Cross Section



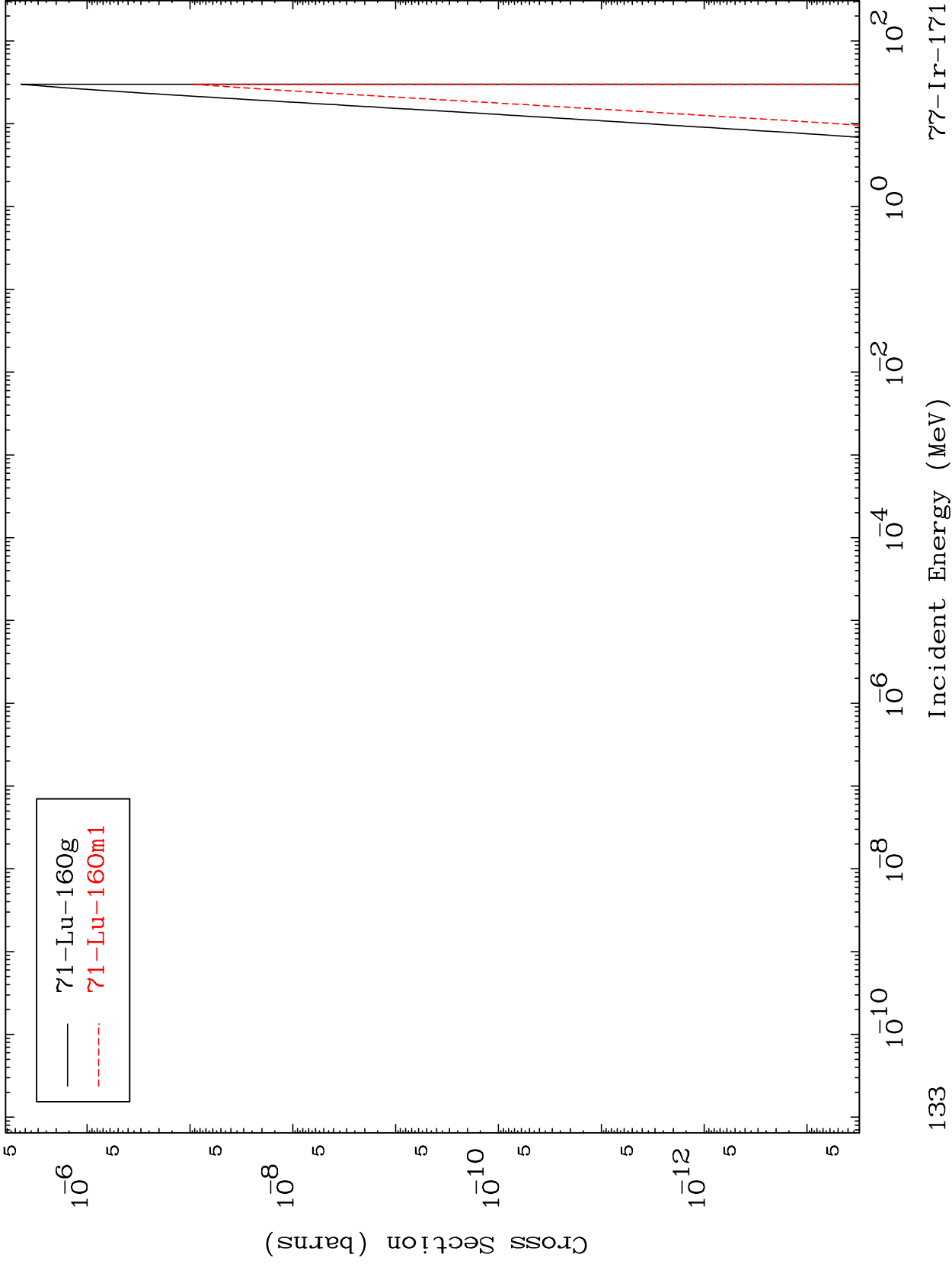
75-Re-169g  
75-Re-169m5

MAT 7665

(n,3 $\alpha$ )

<sup>77</sup>Ir-171

Radionuclide Production Cross Section

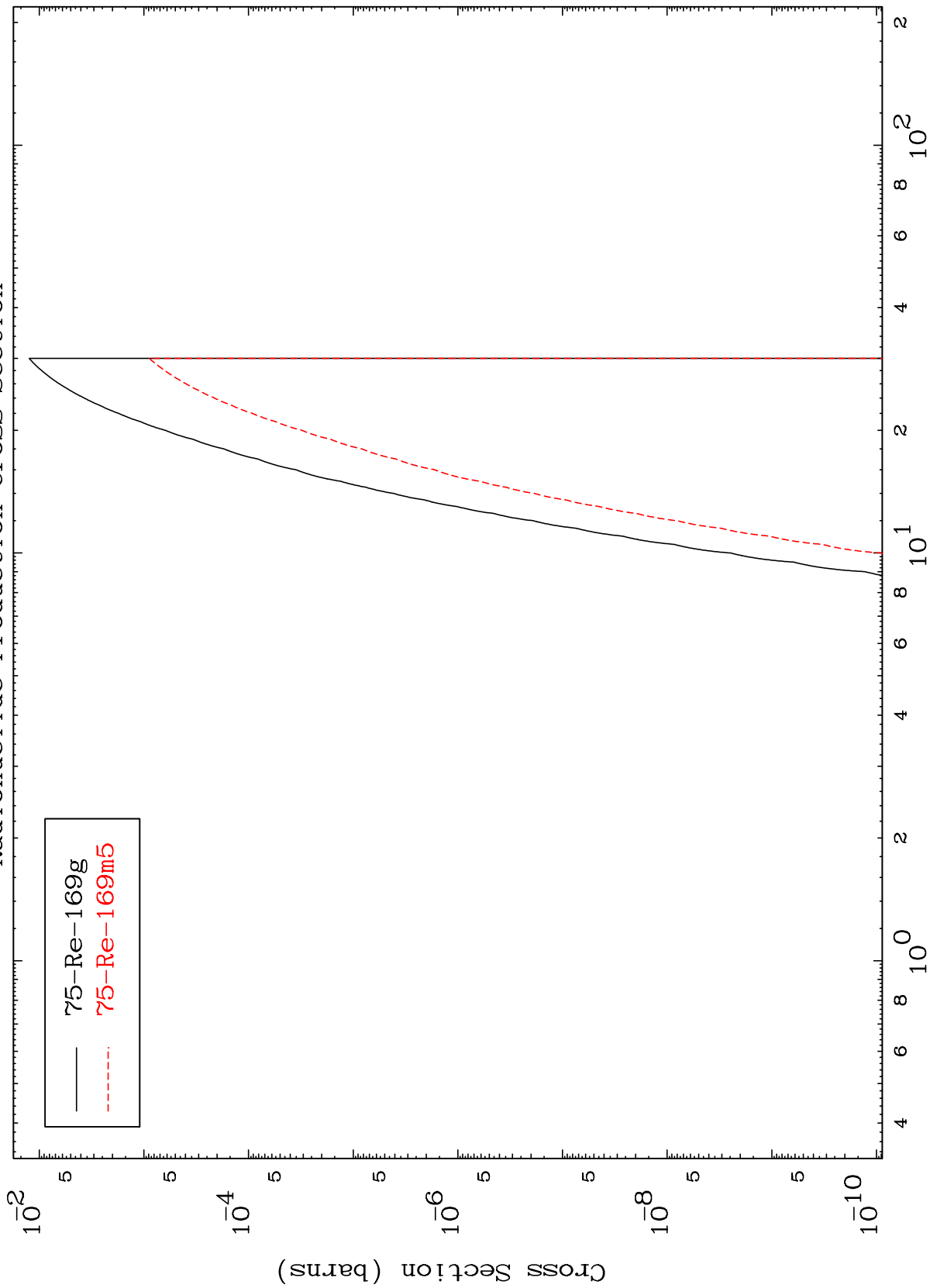


MAT 7665

(n,p) d

<sup>77</sup>Ir-171

Radionuclide Production Cross Section



134

Incident Energy (MeV)

<sup>77</sup>Ir-171