

Program EVALPLOT
(Version 2015-2)

by

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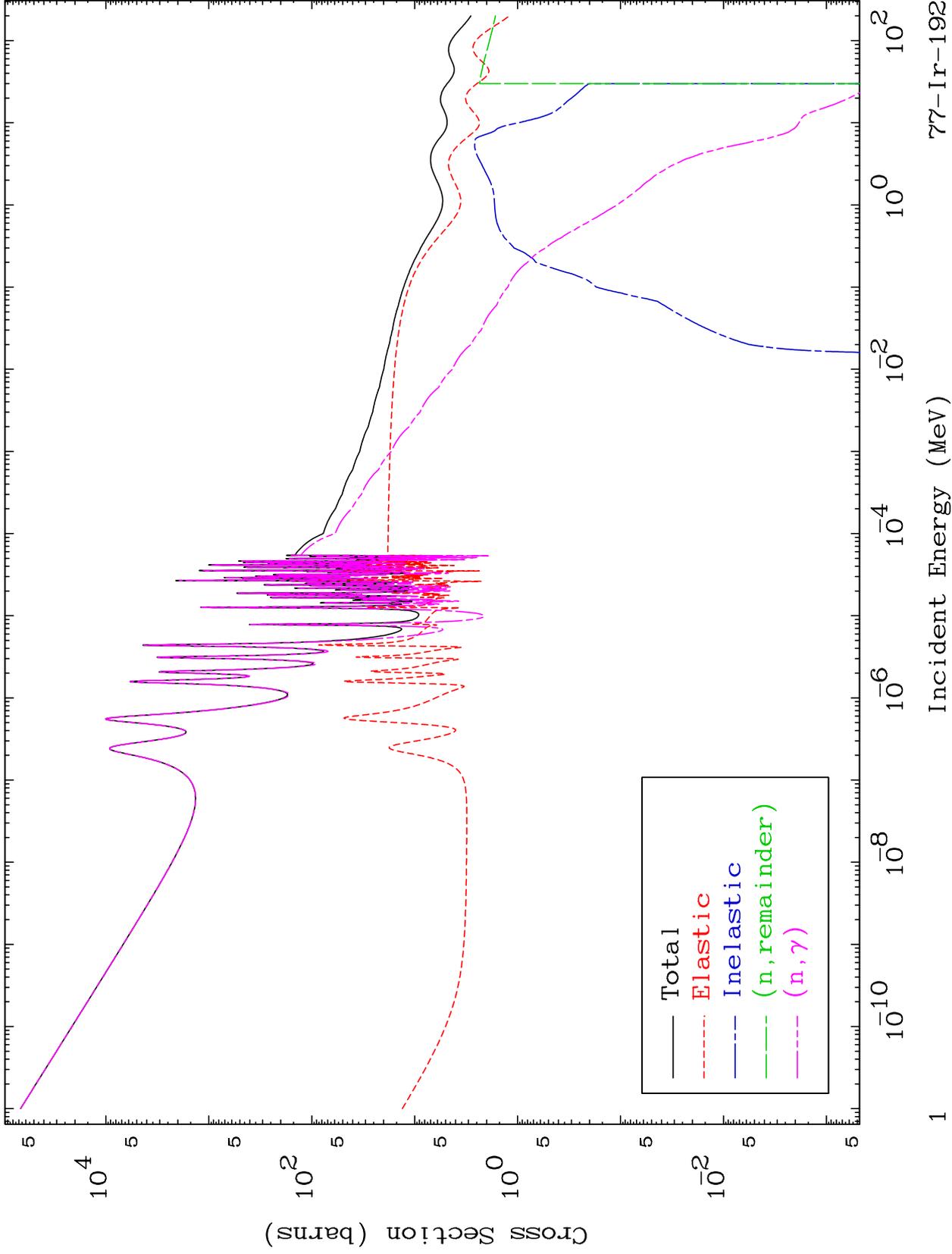
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7728

Major
293 Kelvin Cross Sections

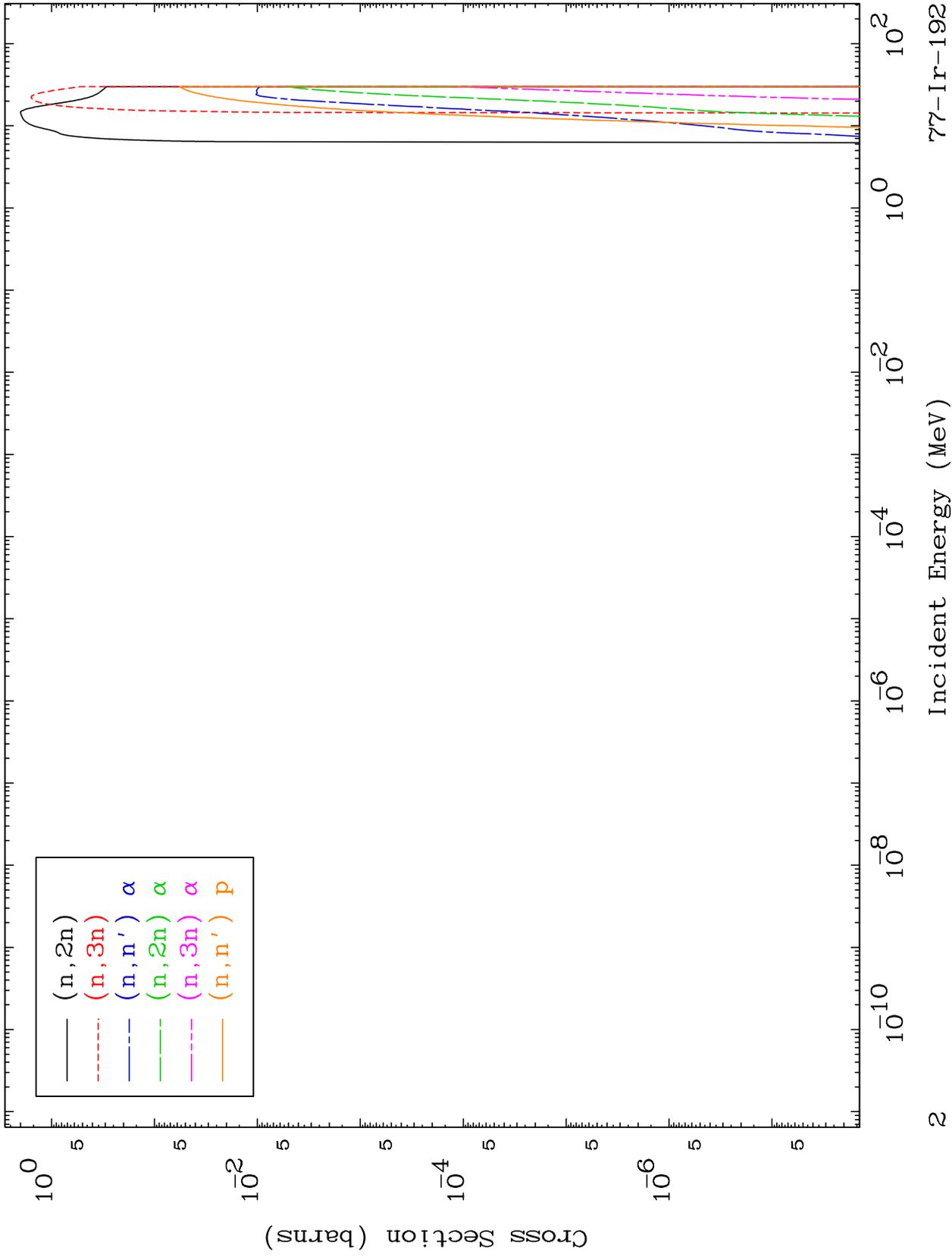
77-Ir-192

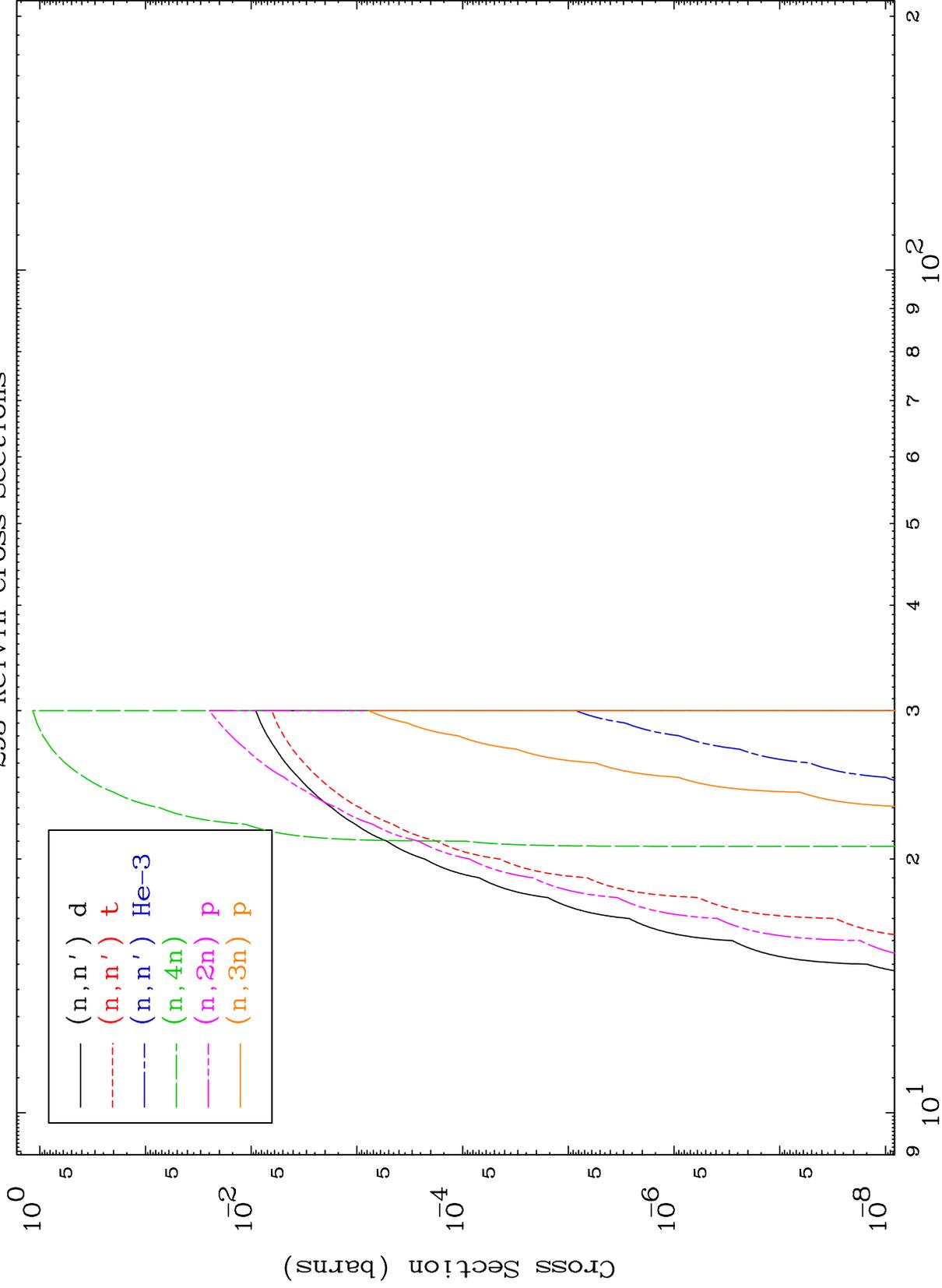


MAT 7728

Neutron Production
293 Kelvin Cross Sections

77-Ir-192

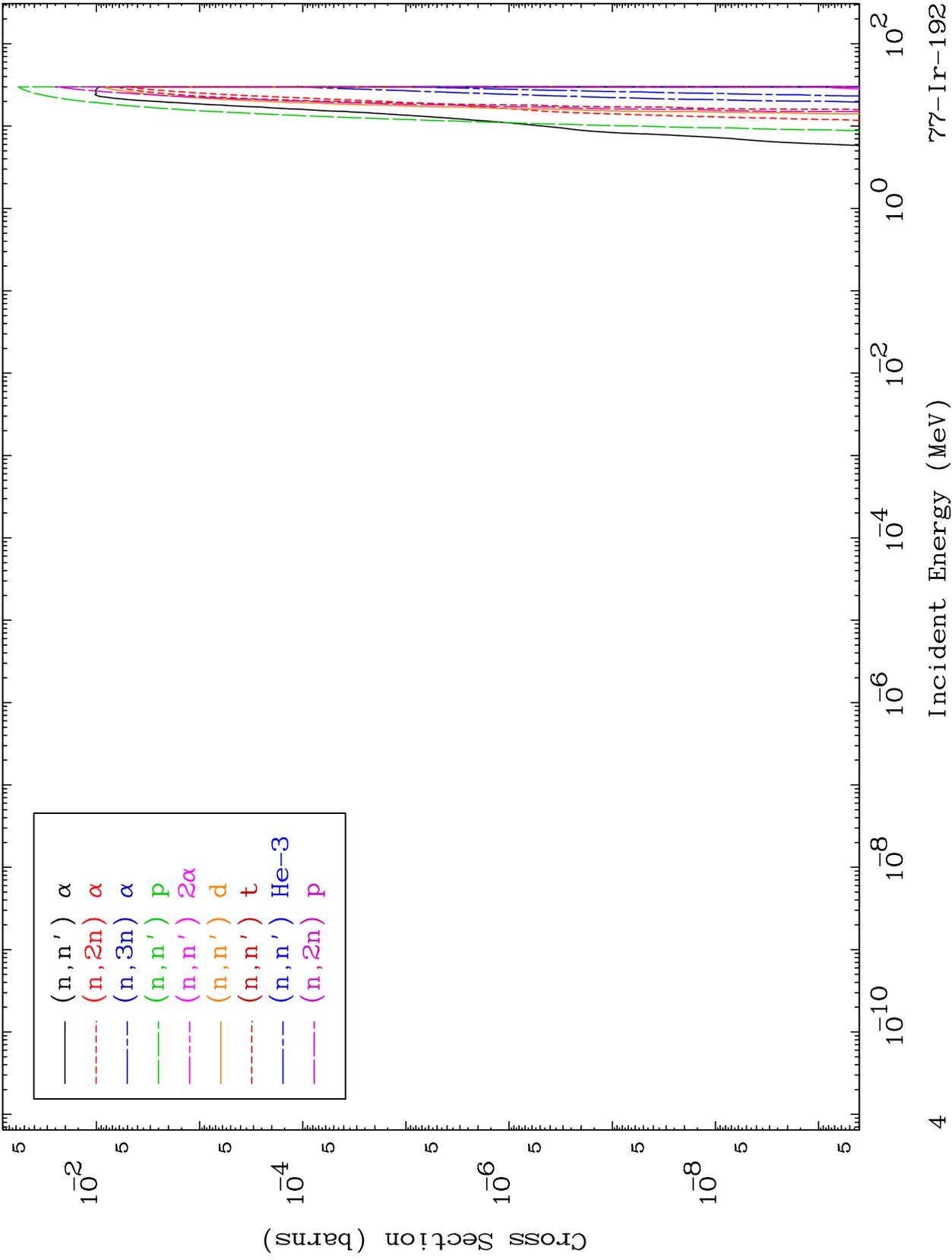




MAT 7728

Charged Particle
293 Kelvin Cross Sections

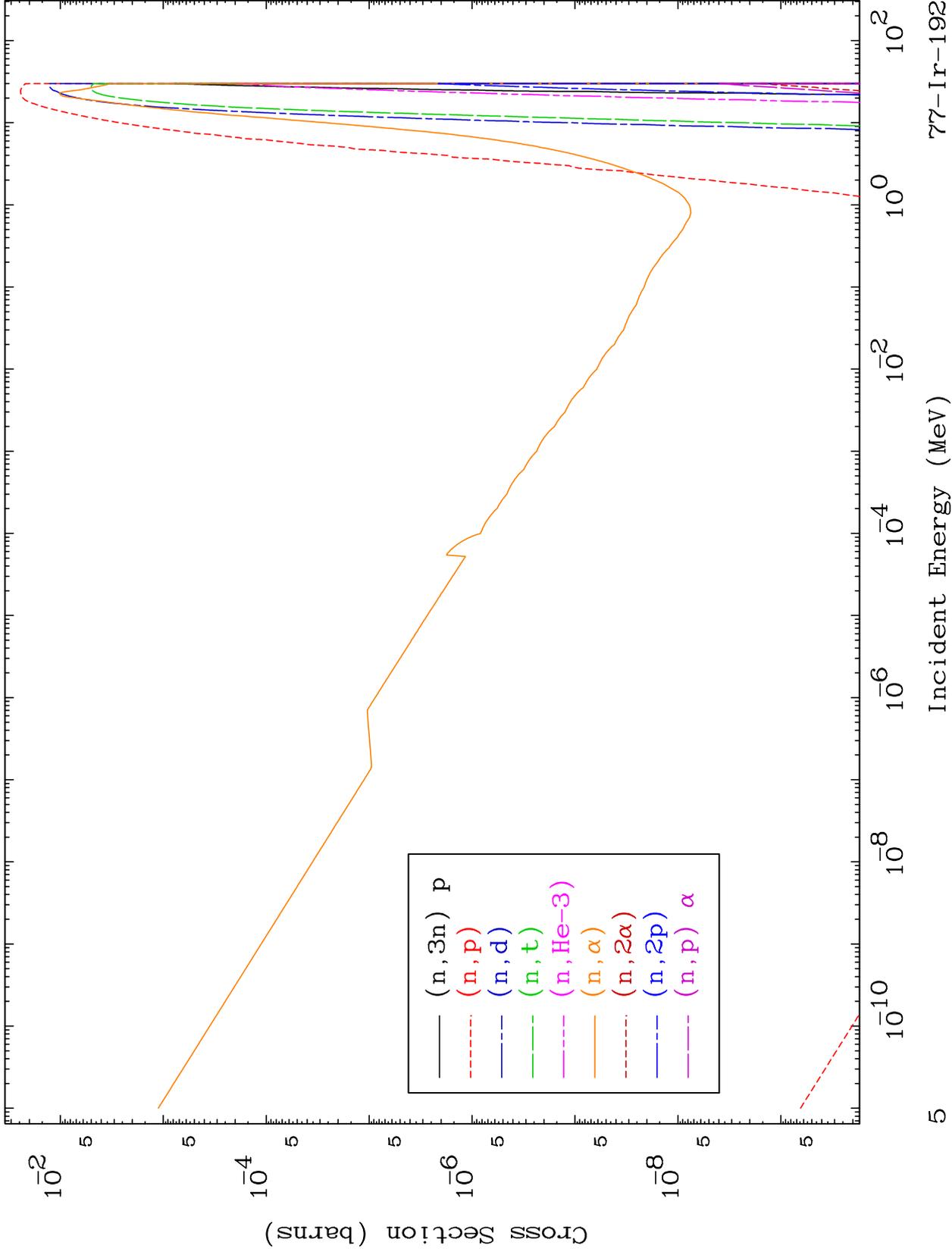
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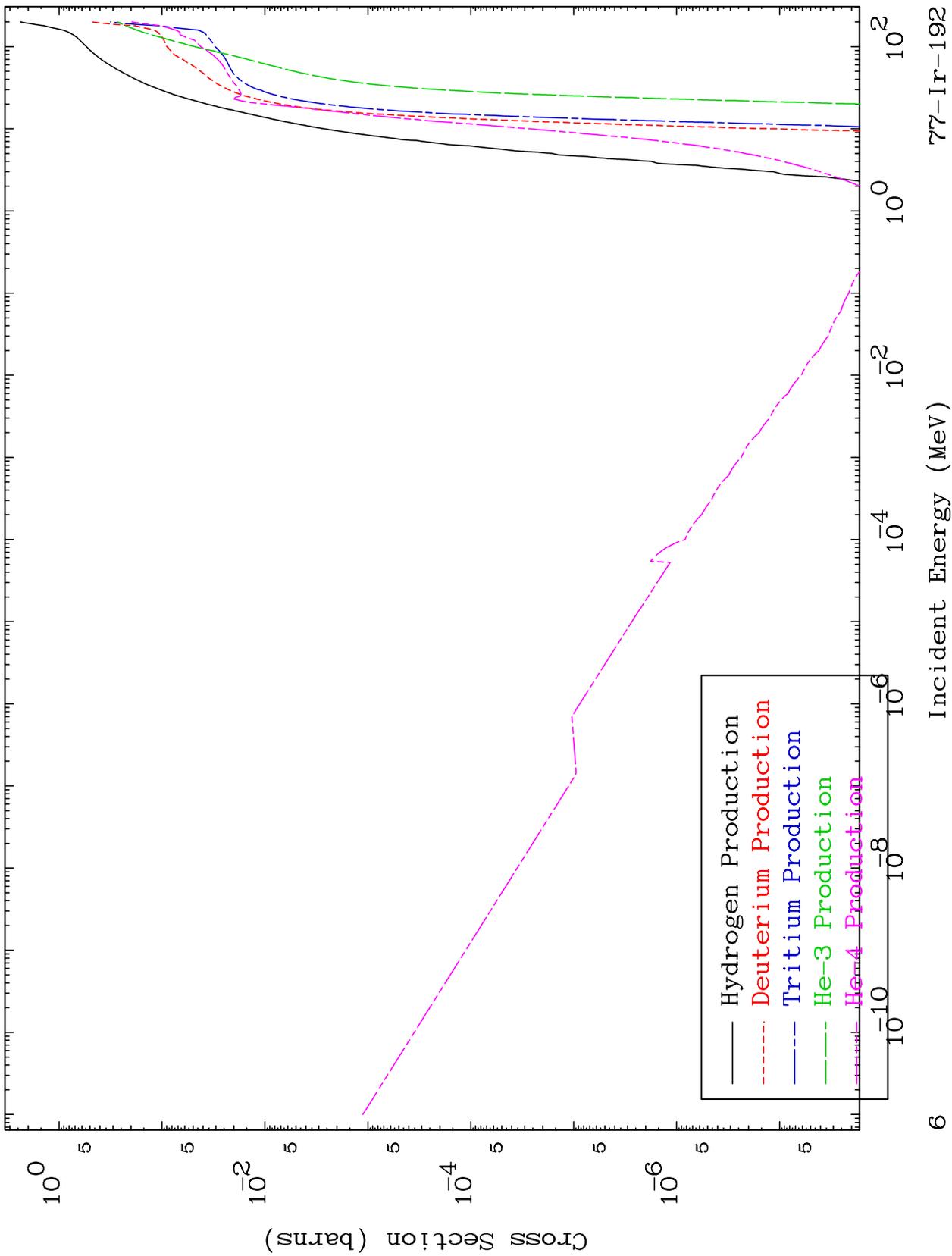
MAT 7728

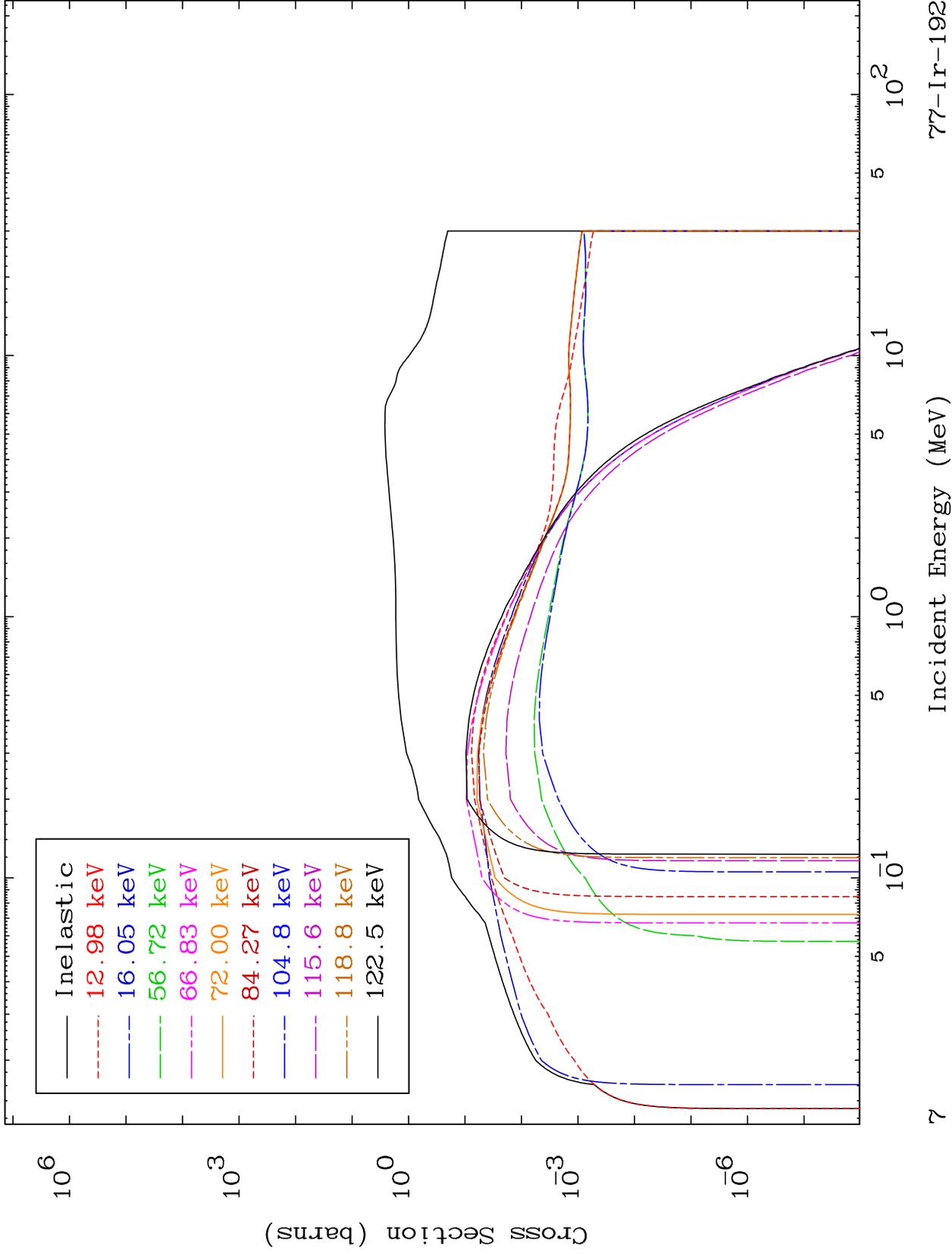
Charged Particle
293 Kelvin Cross Sections

77-Ir-192



5

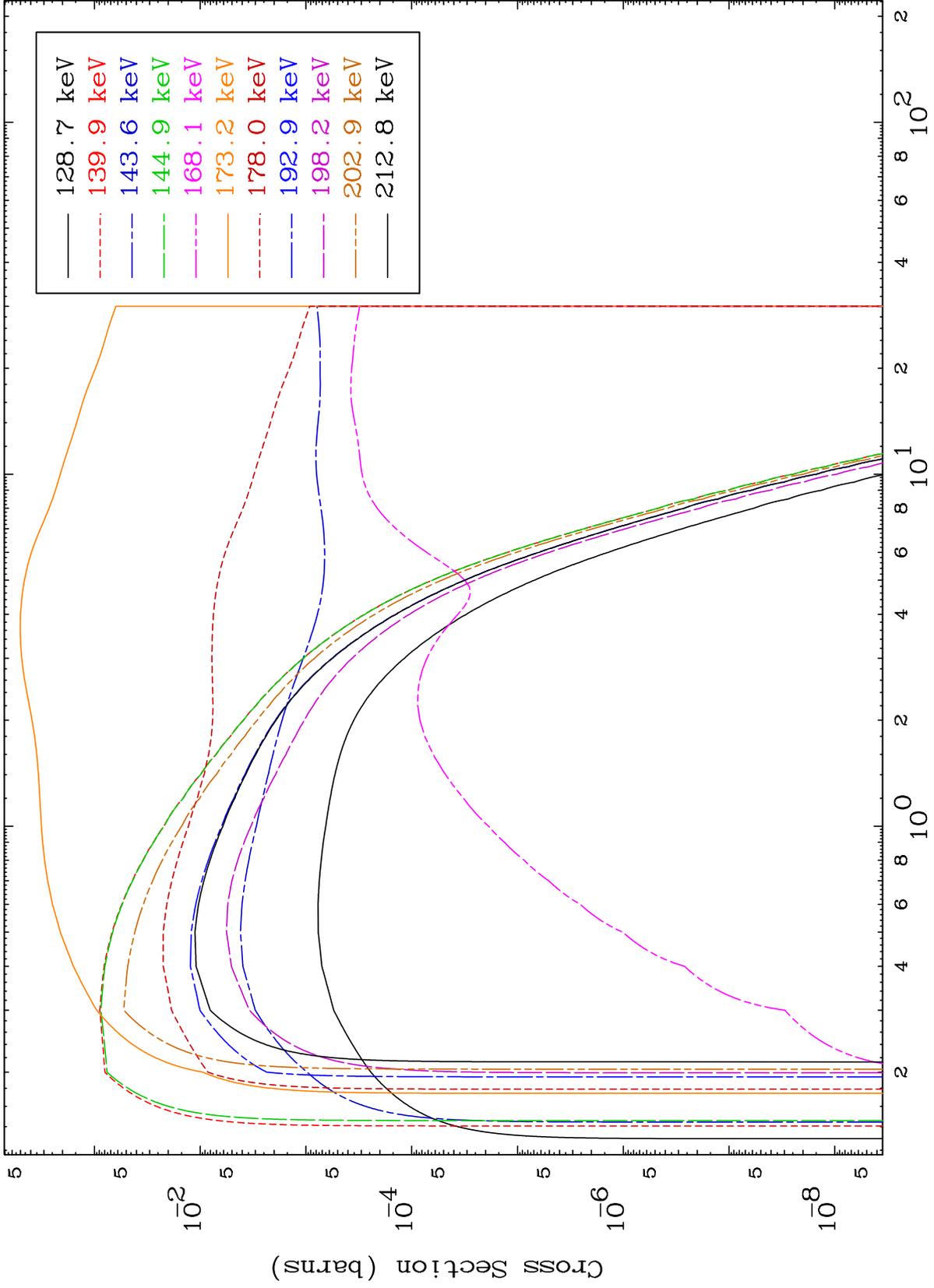




MAT 7728

(n,n') Level
293 Kelvin Cross Sections

77-Ir-192



8

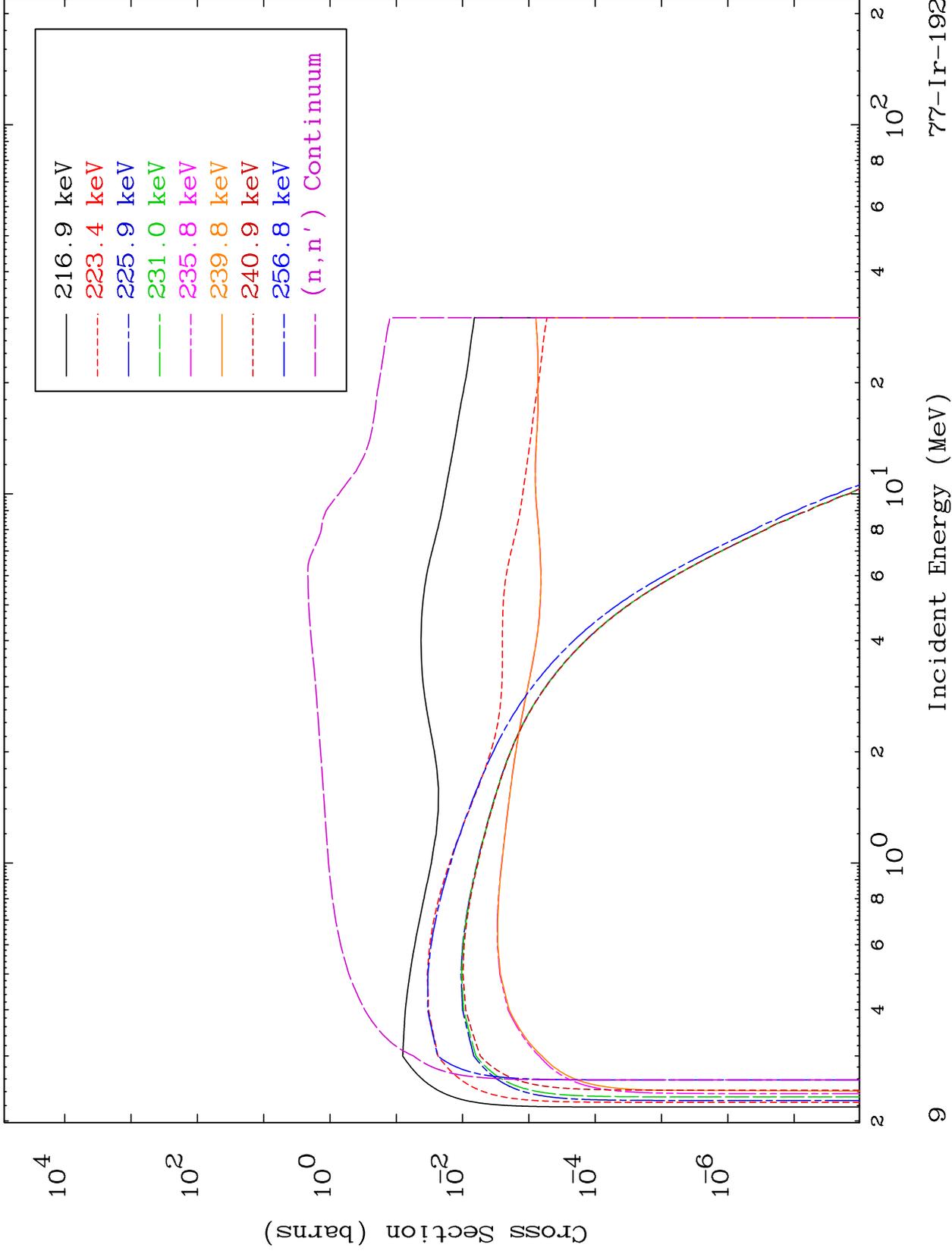
Incident Energy (MeV)

77-Ir-192

MAT 7728

(n,n') Level
293 Kelvin Cross Sections

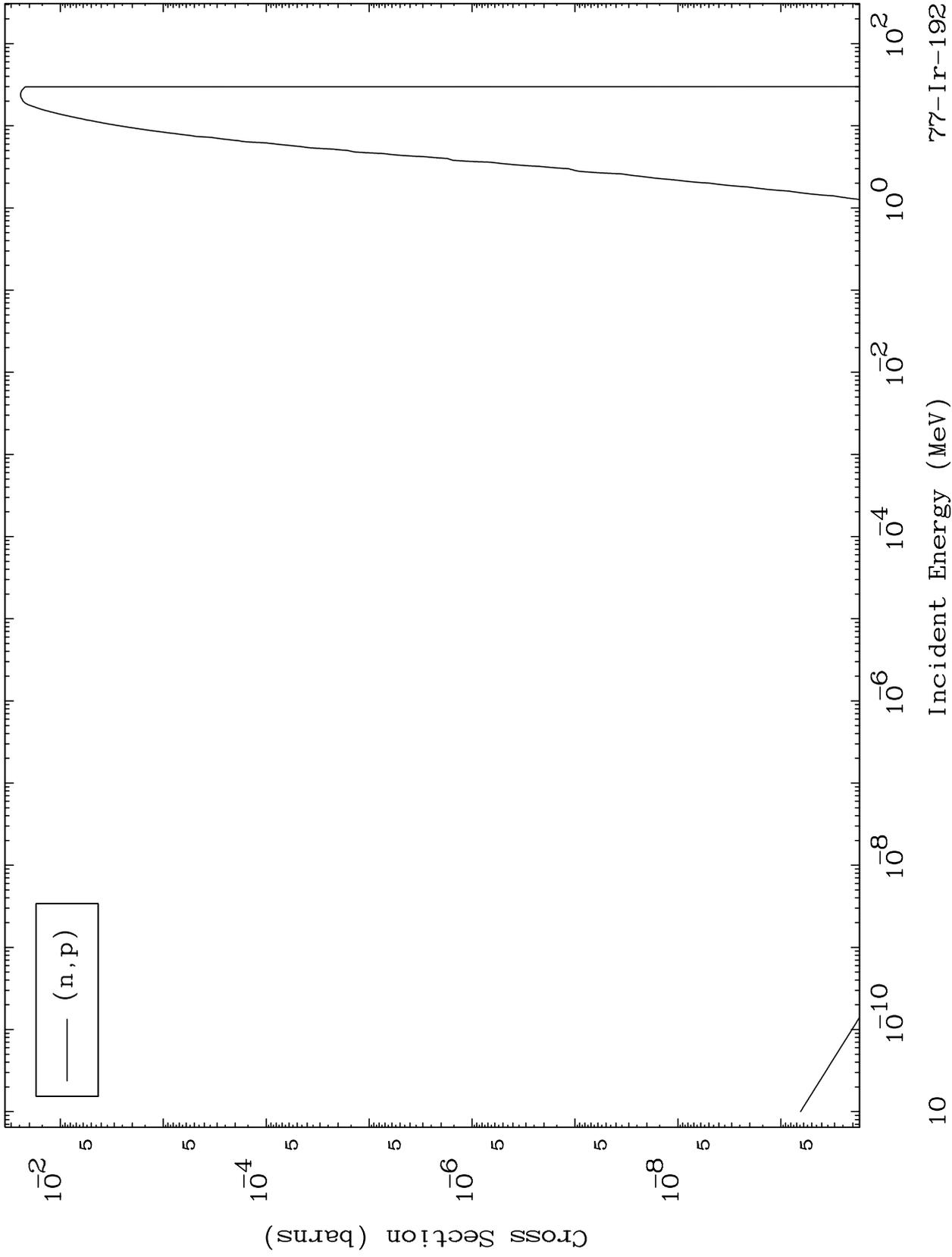
77-Ir-192



MAT 7728

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-192



10

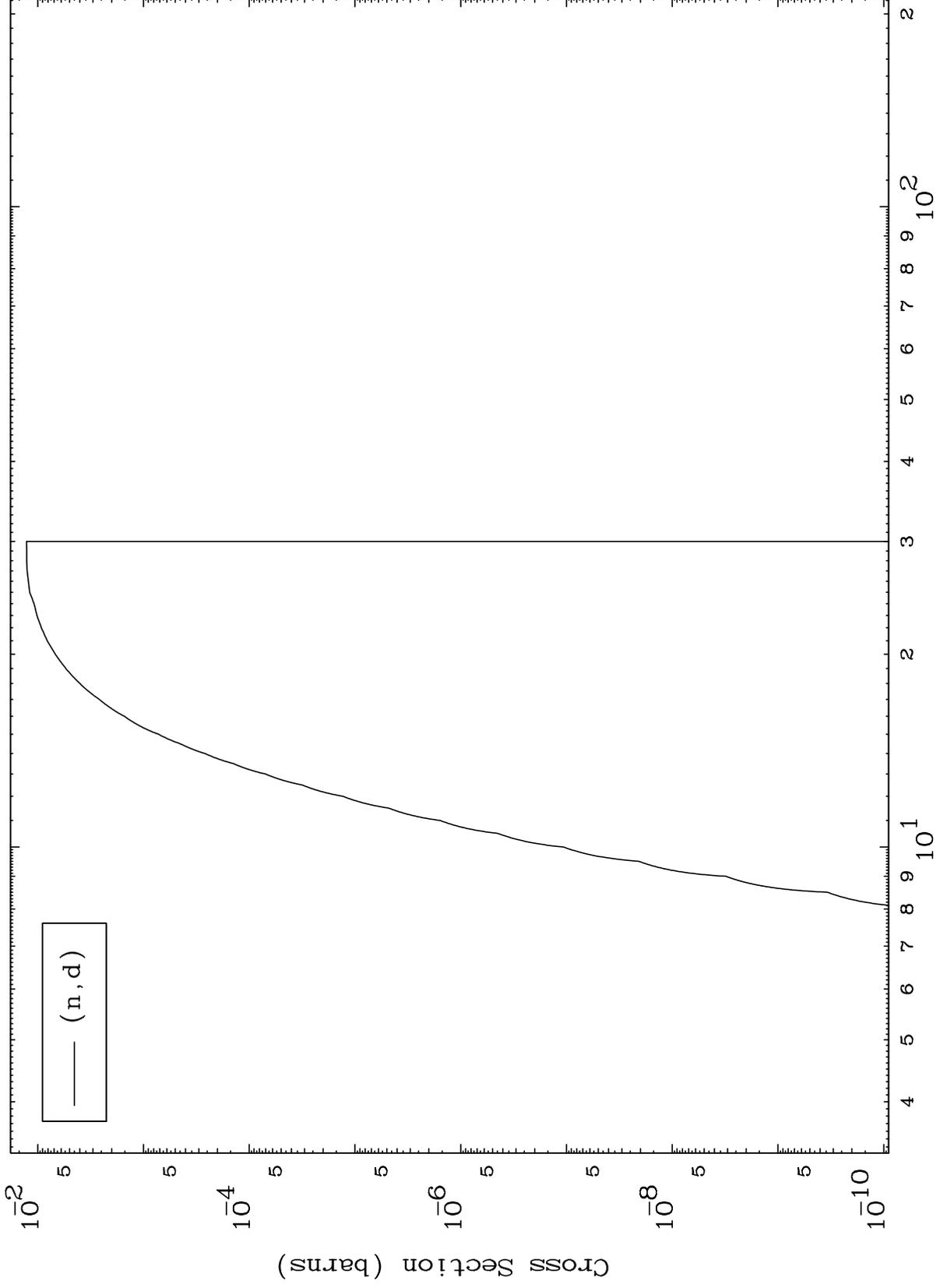
Incident Energy (MeV)

77-Ir-192

MAT 7728

(n,d) Levels
293 Kelvin Cross Sections

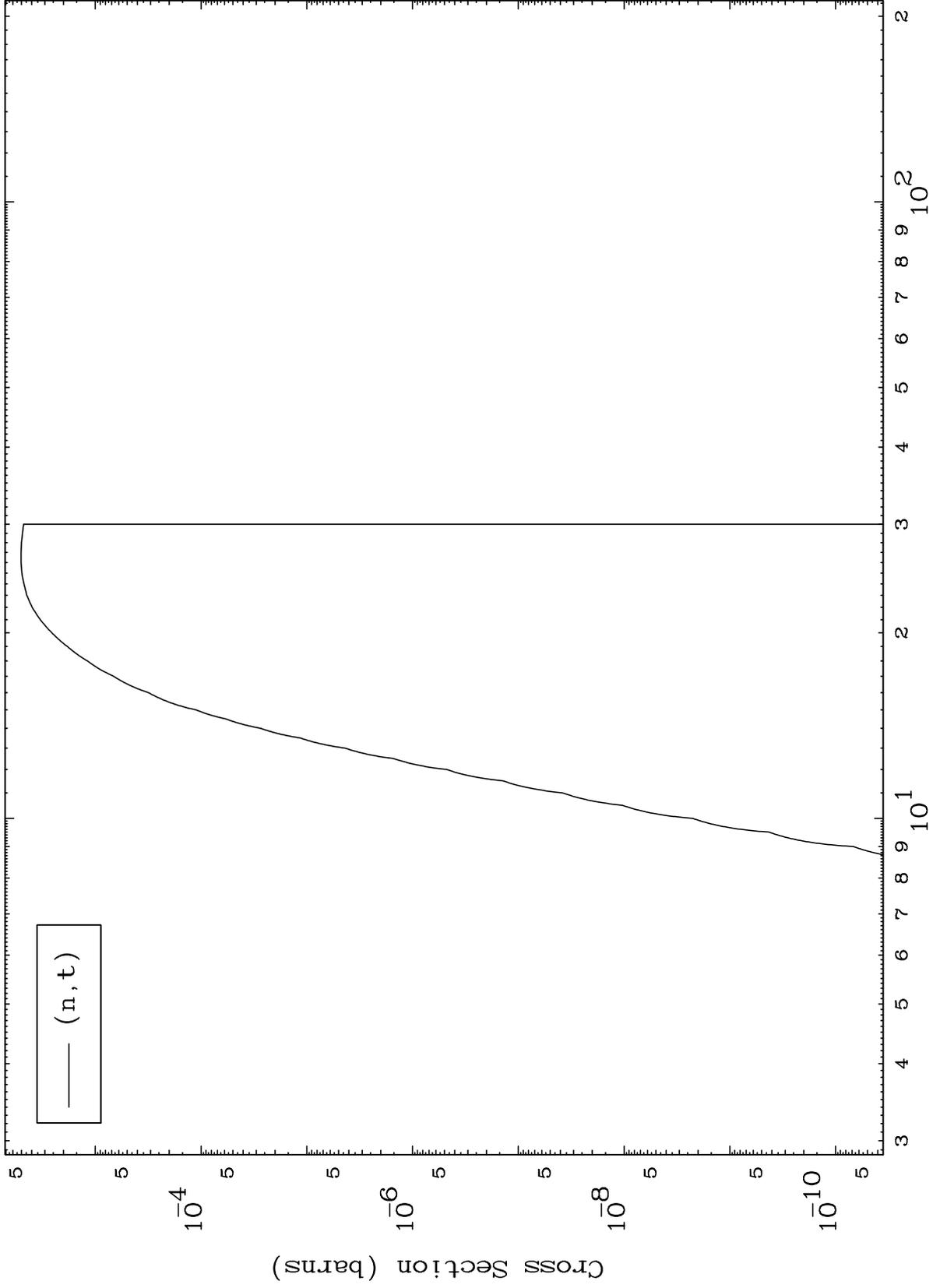
77-Ir-192



MAT 7728

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-192



12

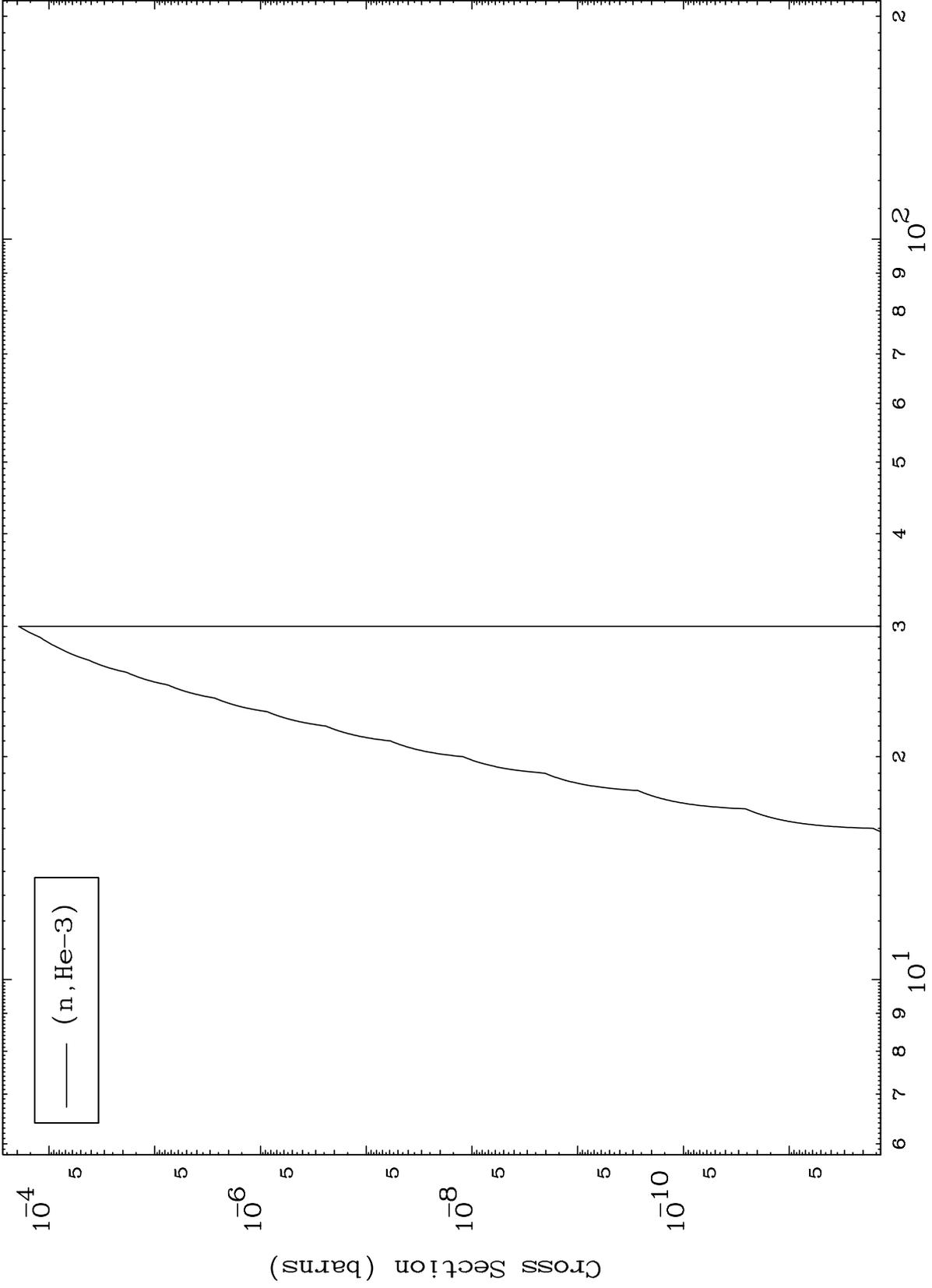
Incident Energy (MeV)

77-Ir-192

MAT 7728

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-192



13

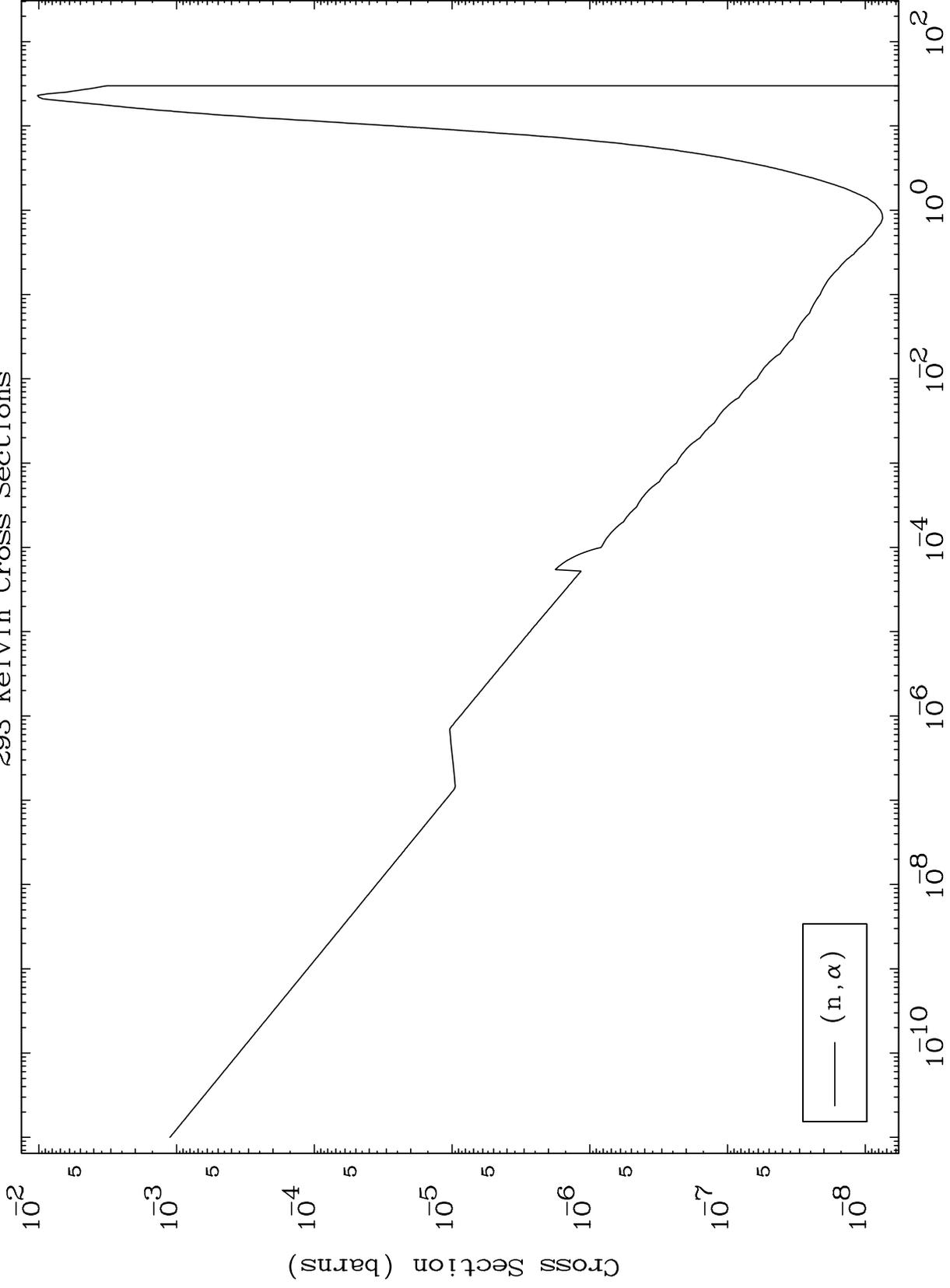
Incident Energy (MeV)

77-Ir-192

MAT 7728

(n,α) Levels
293 Kelvin Cross Sections

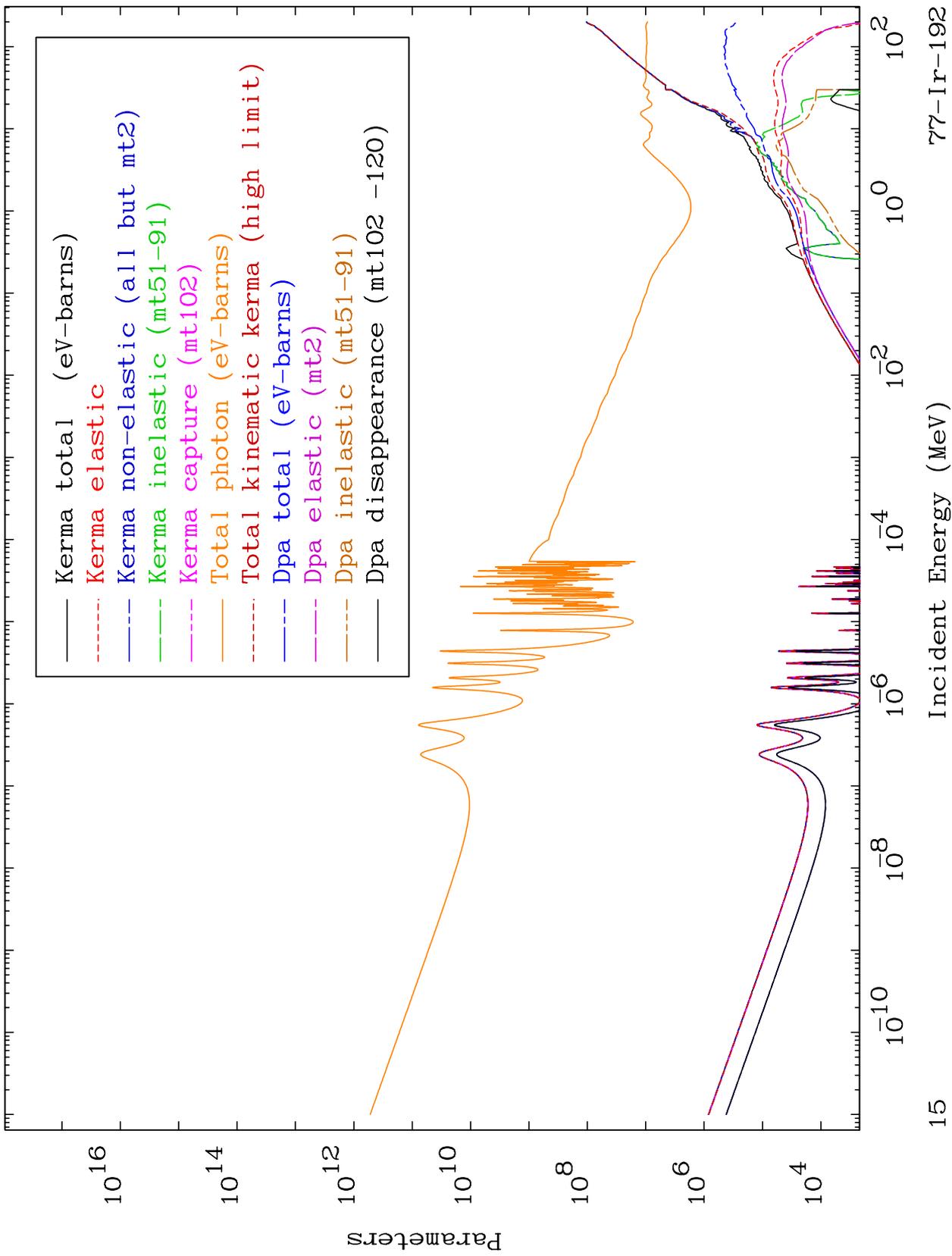
77-Ir-192



77-Ir-192

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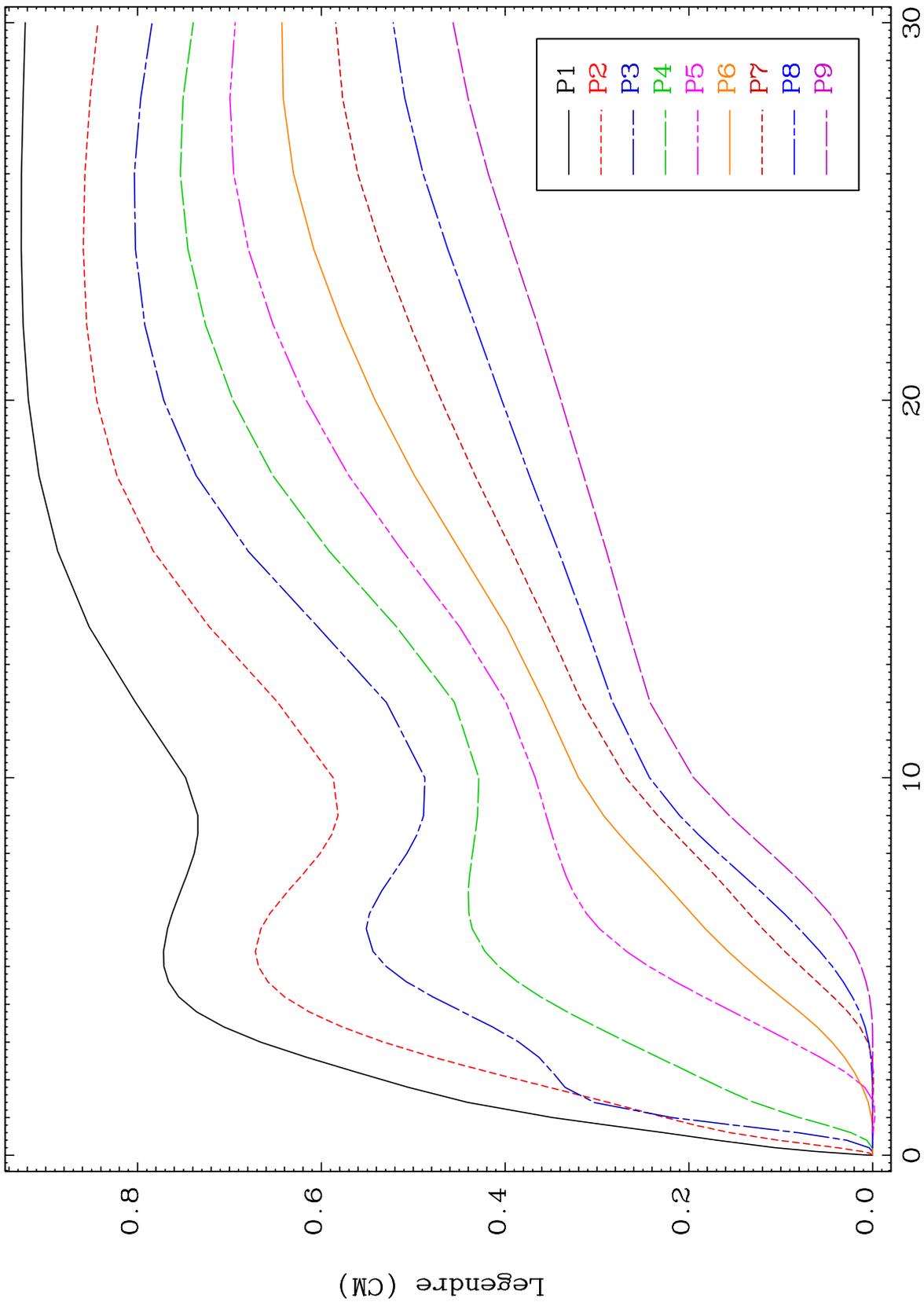
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MAT 7728

77-Ir-192

Elastic Legendre Coefficients



77-Ir-192

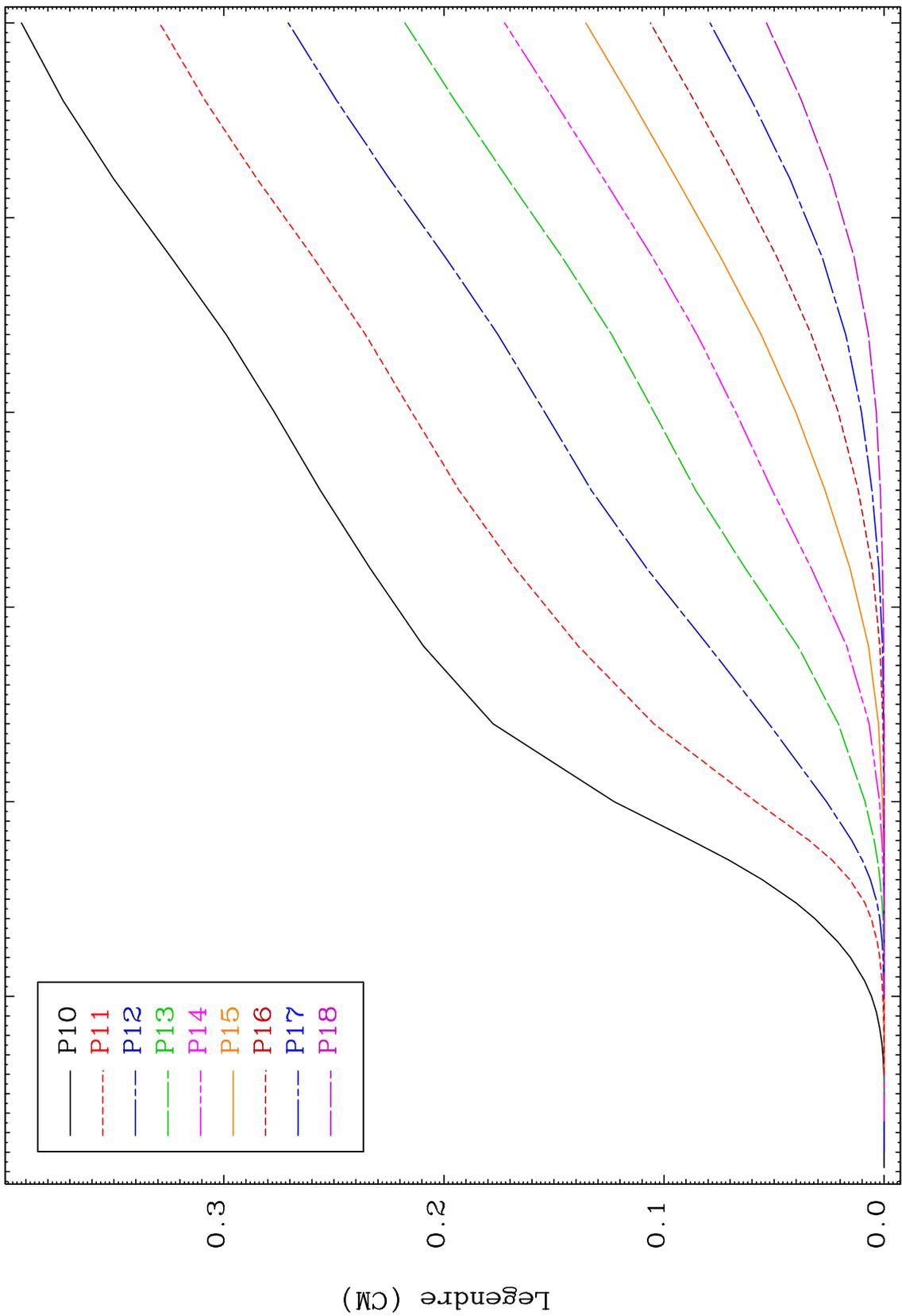
Incident Energy (MeV)

16

MAT 7728

Elastic Legendre Coefficients

77-Ir-192



17

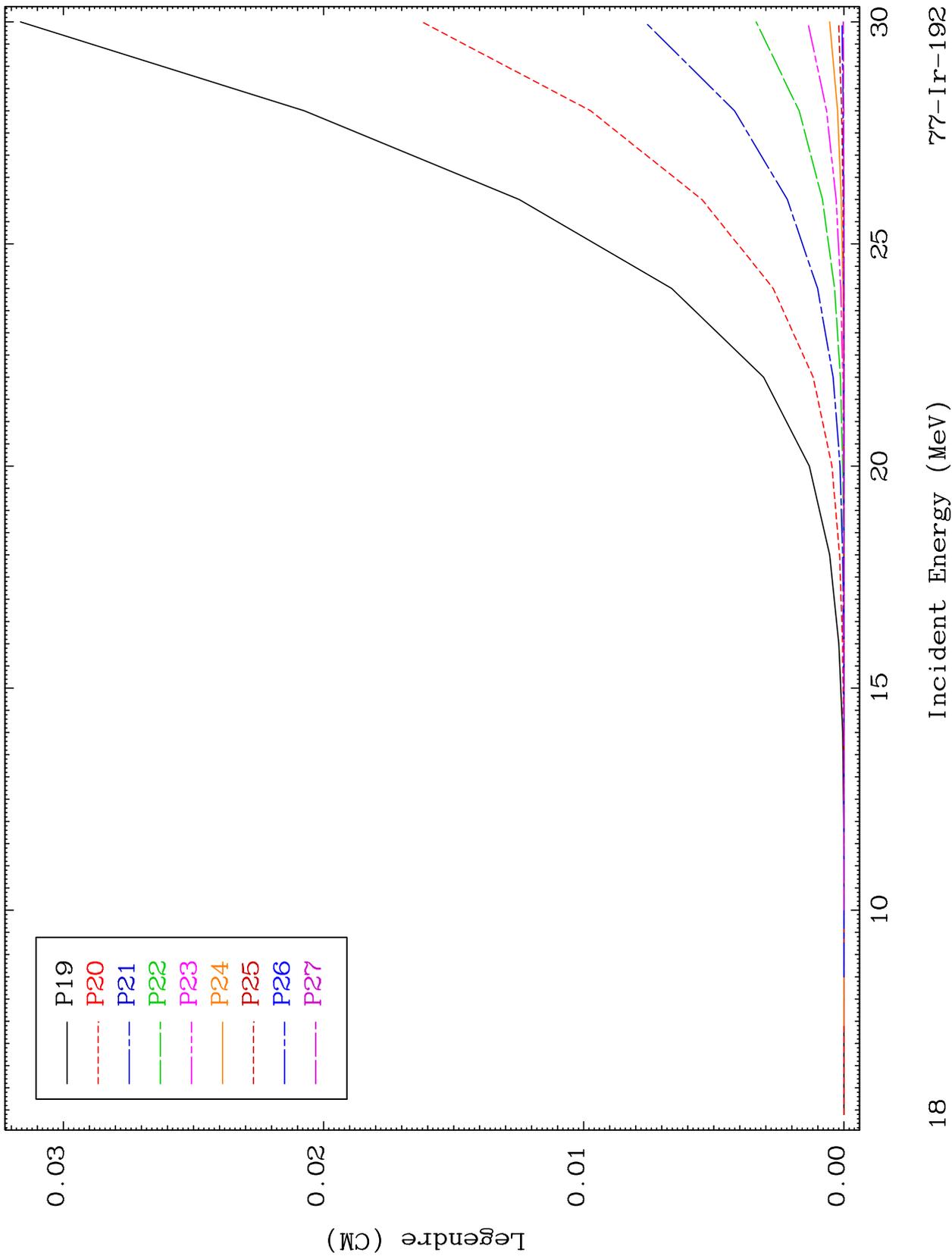
Incident Energy (MeV)

77-Ir-192

MAT 7728

Elastic Legendre Coefficients

77-Ir-192



18

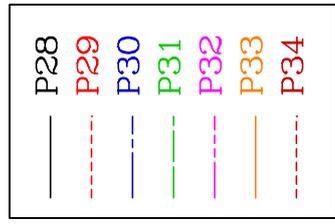
Incident Energy (MeV)

77-Ir-192

MAT 7728

Elastic
Legendre Coefficients

77-Ir-192

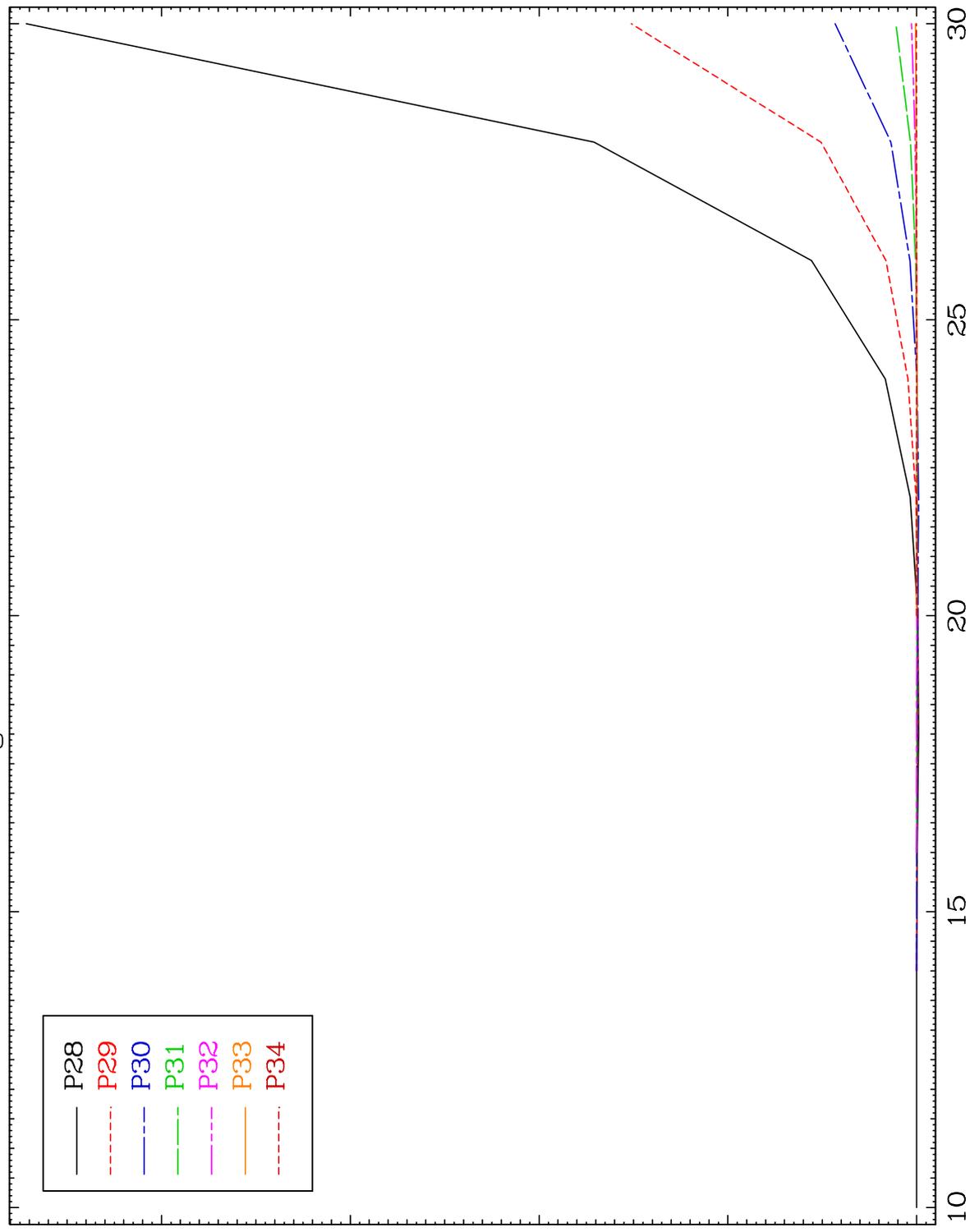


$\times 10^{-6}$

Legendre (CM)

Incident Energy (MeV)

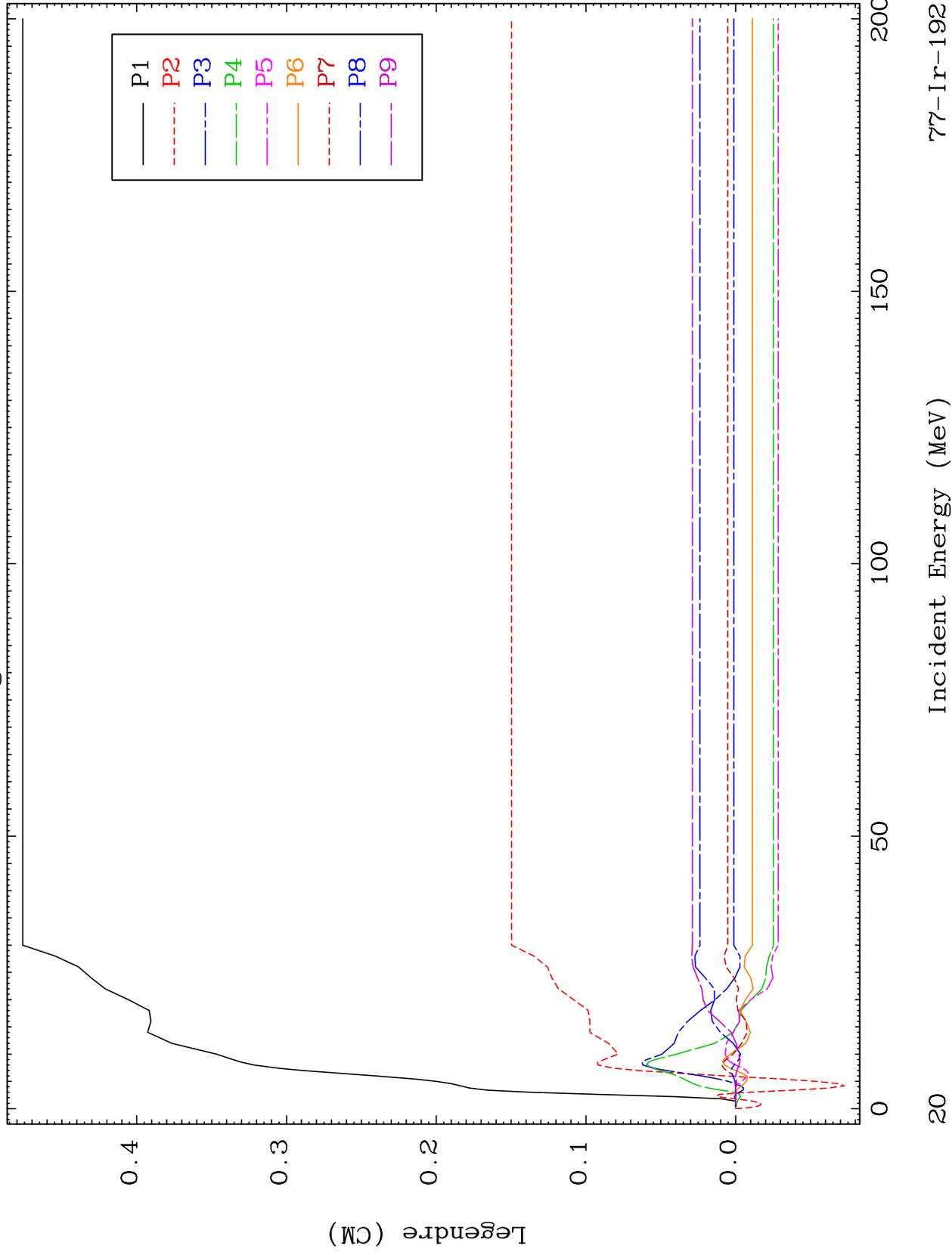
77-Ir-192



MAT 7728

12.98 keV (n,n') Level
Legendre Coefficients

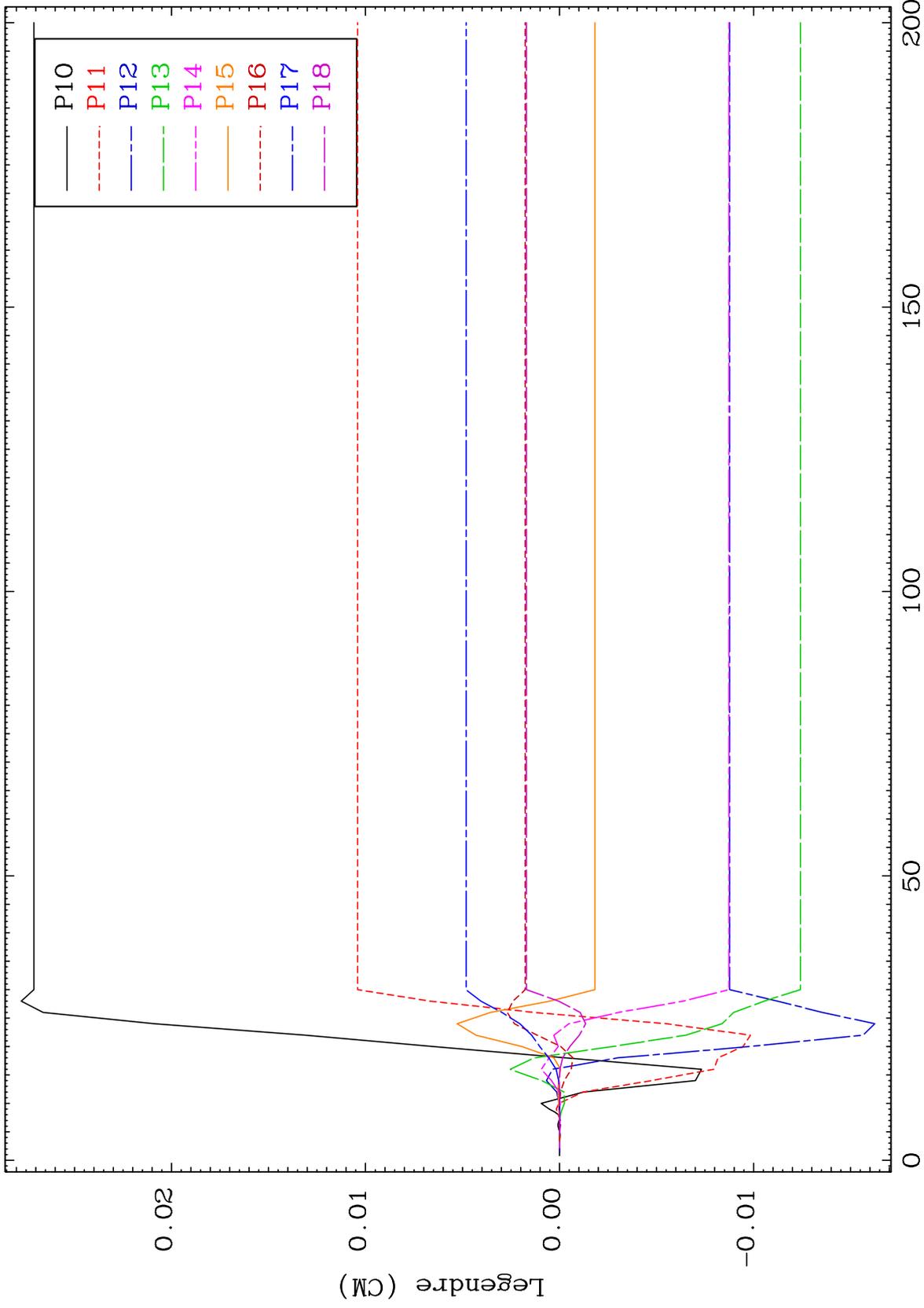
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MAT 7728

12.98 keV (n,n') Level
Legendre Coefficients

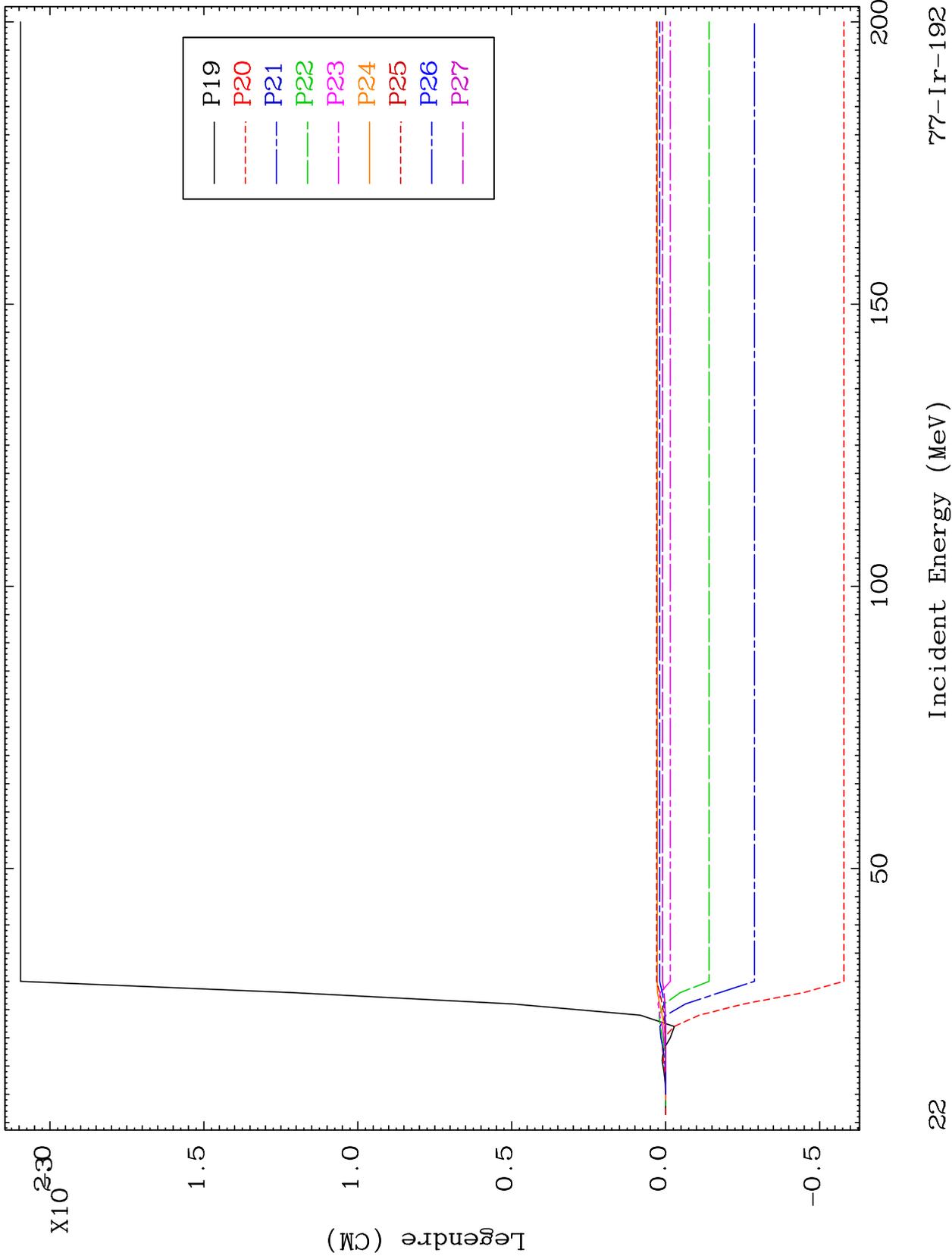
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21

Incident Energy (MeV)

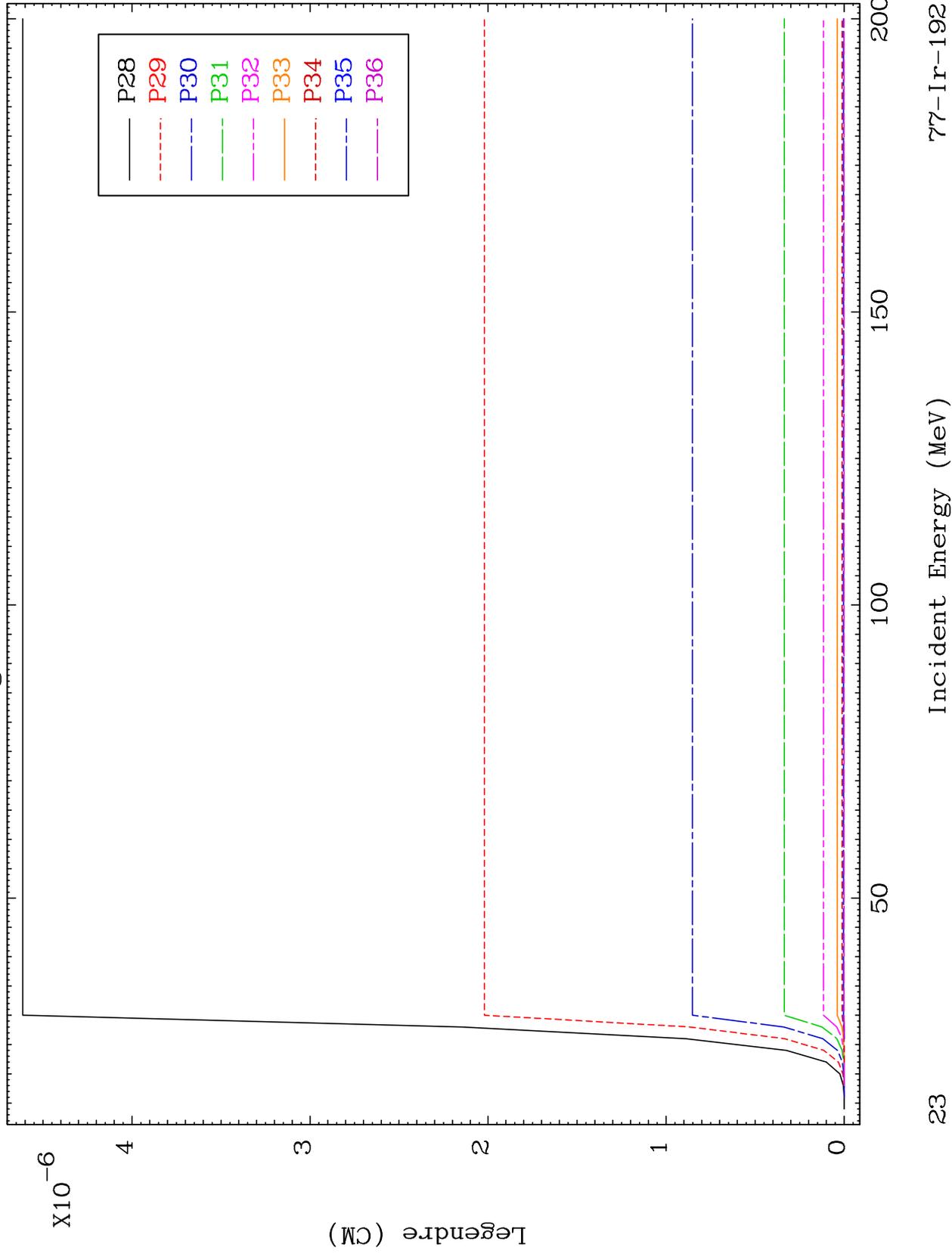
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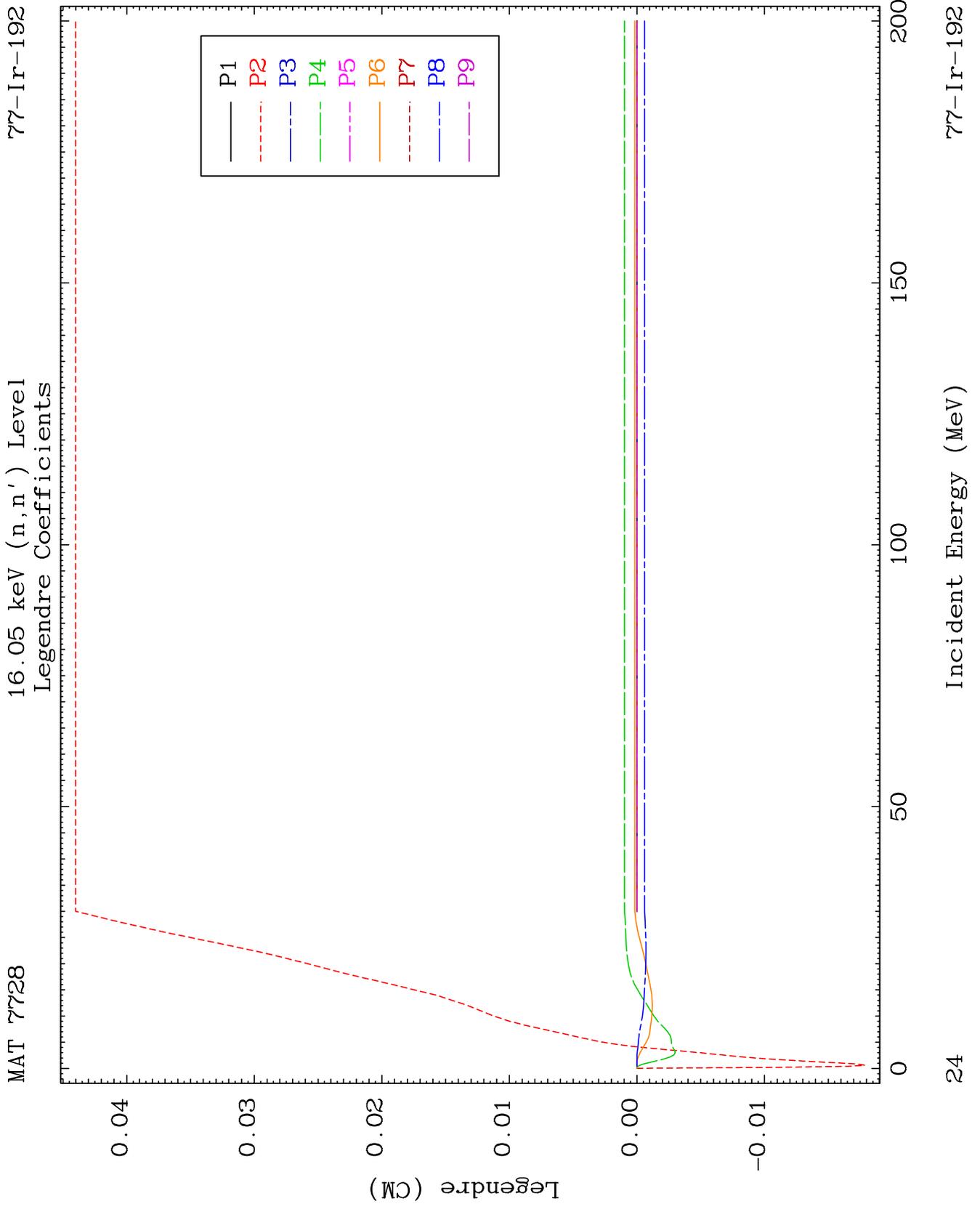
MAT 7728

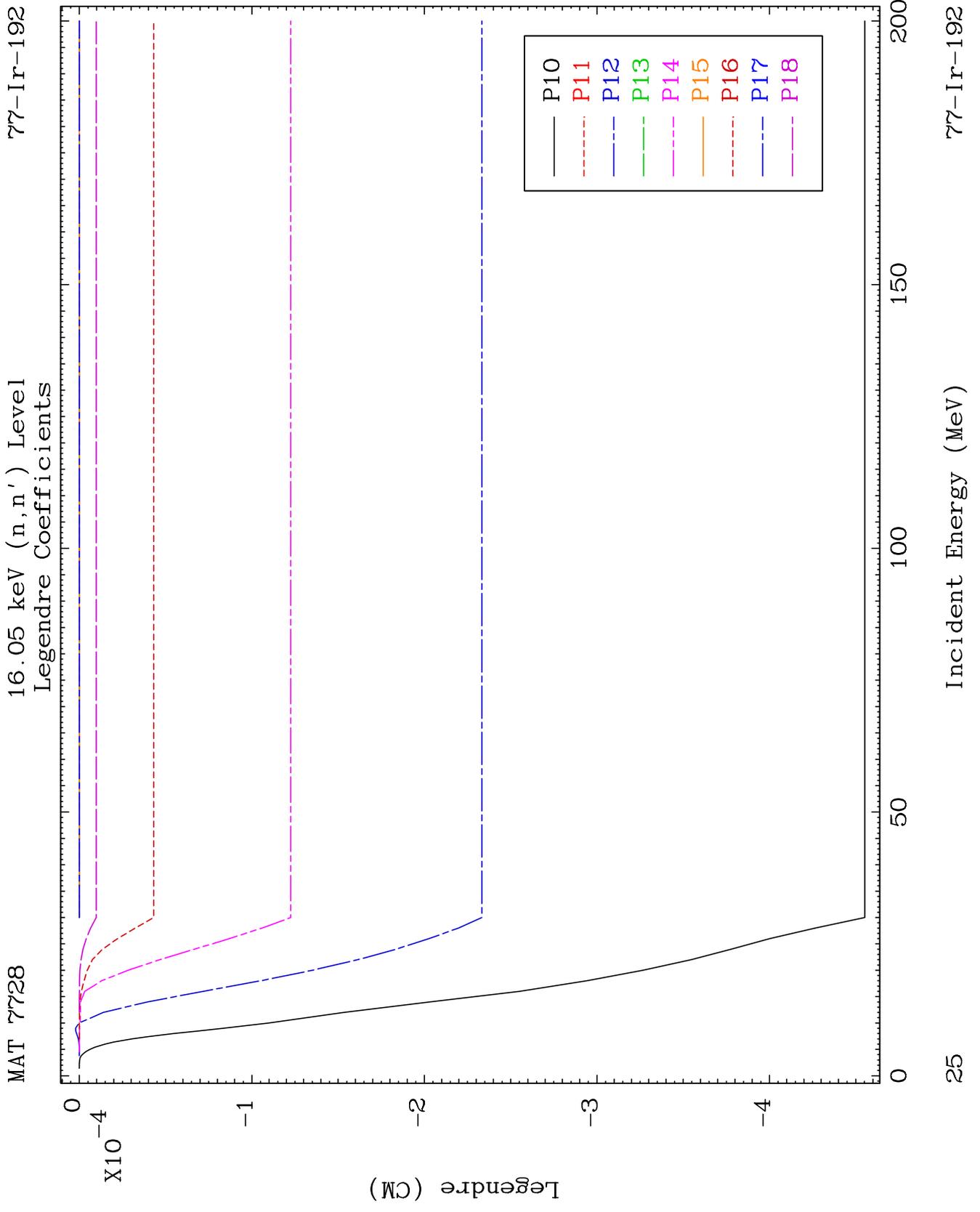
12.98 keV (n,n') Level
Legendre Coefficients

77-Ir-192



23

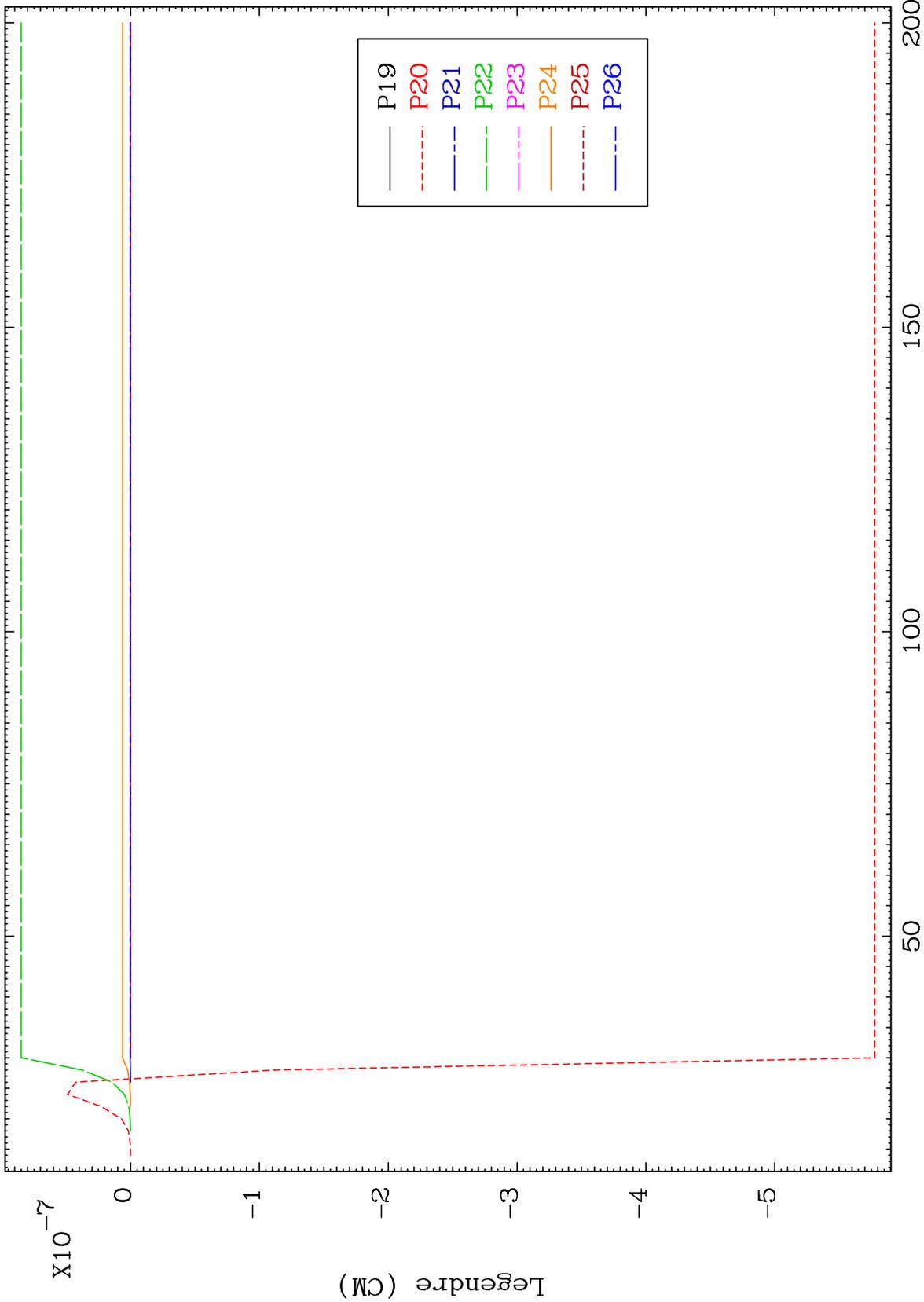




MAT 7728

16.05 keV (n,n') Level
Legendre Coefficients

77-Ir-192



26

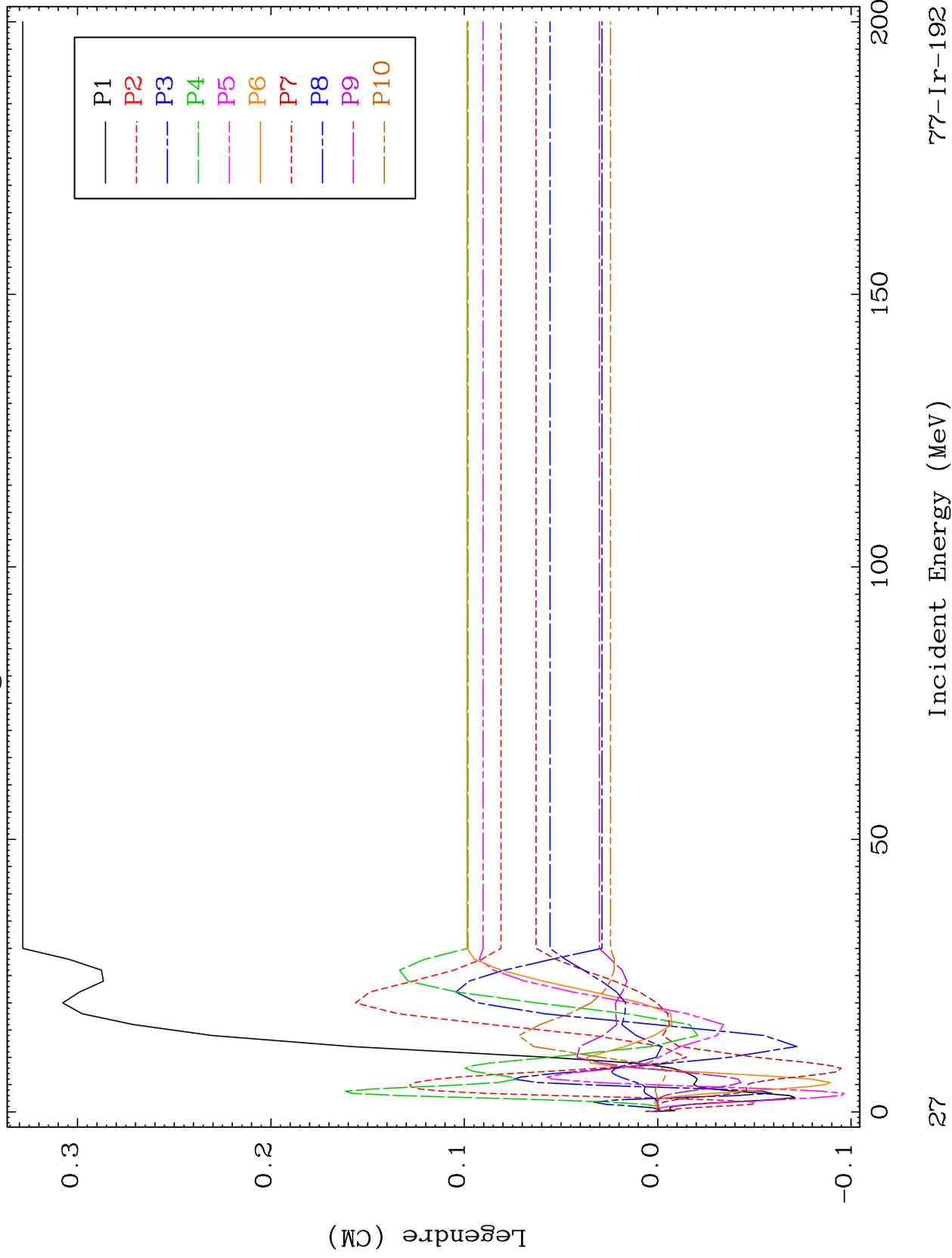
Incident Energy (MeV)

77-Ir-192

MAT 7728

56.72 keV (n,n') Level
Legendre Coefficients

77-Ir-192



77-Ir-192

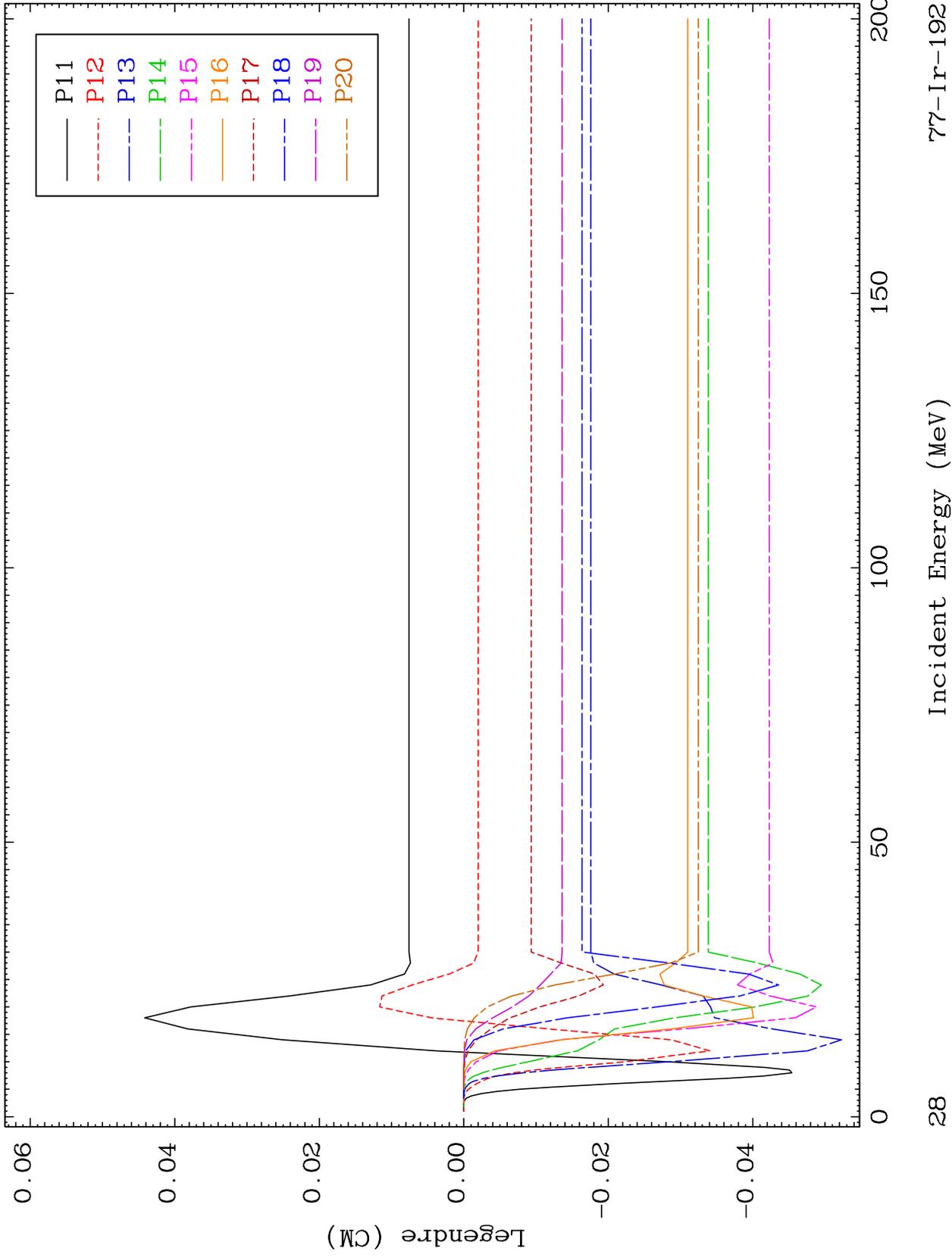
Incident Energy (MeV)

27

MAT 7728

56.72 keV (n,n') Level
Legendre Coefficients

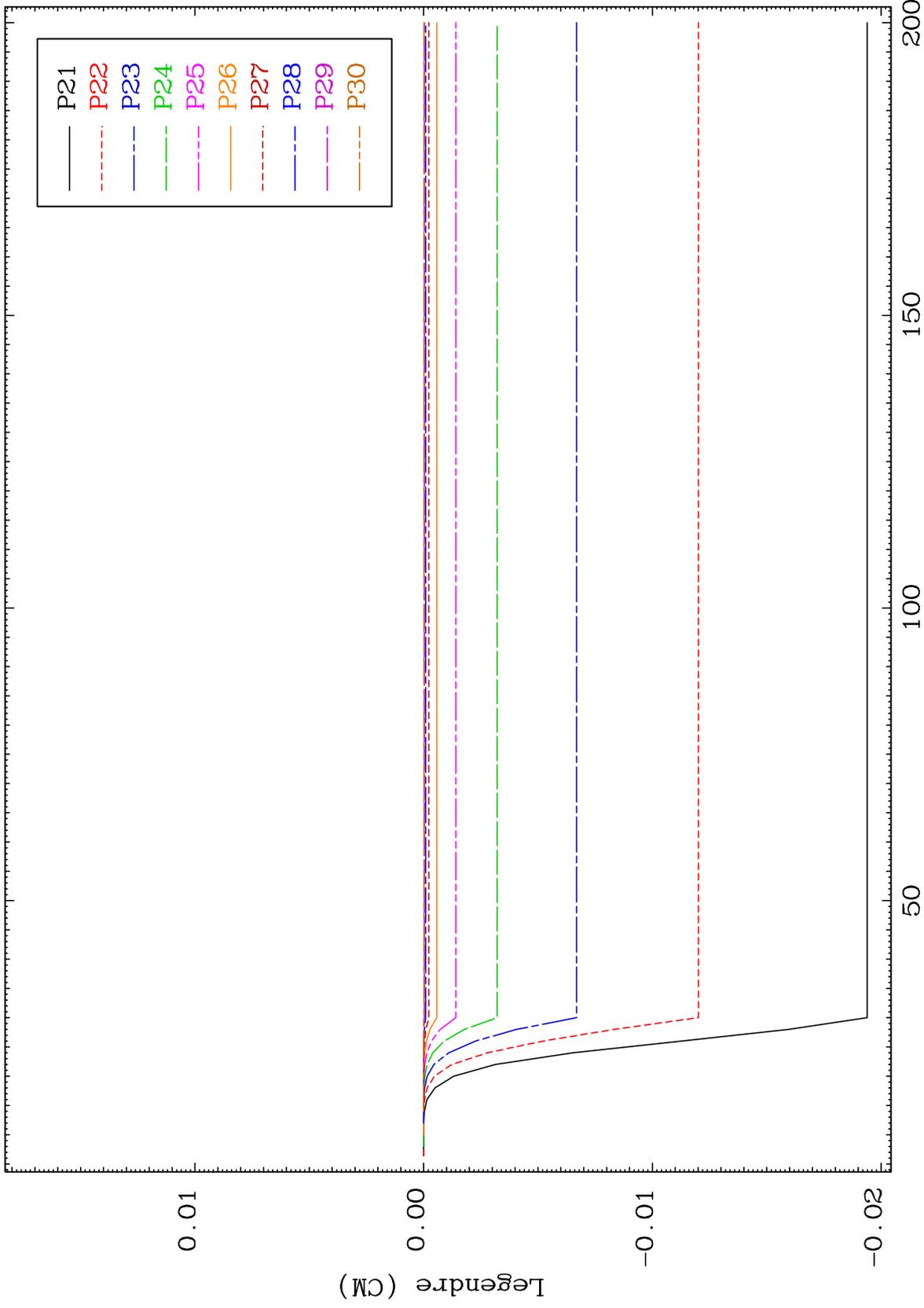
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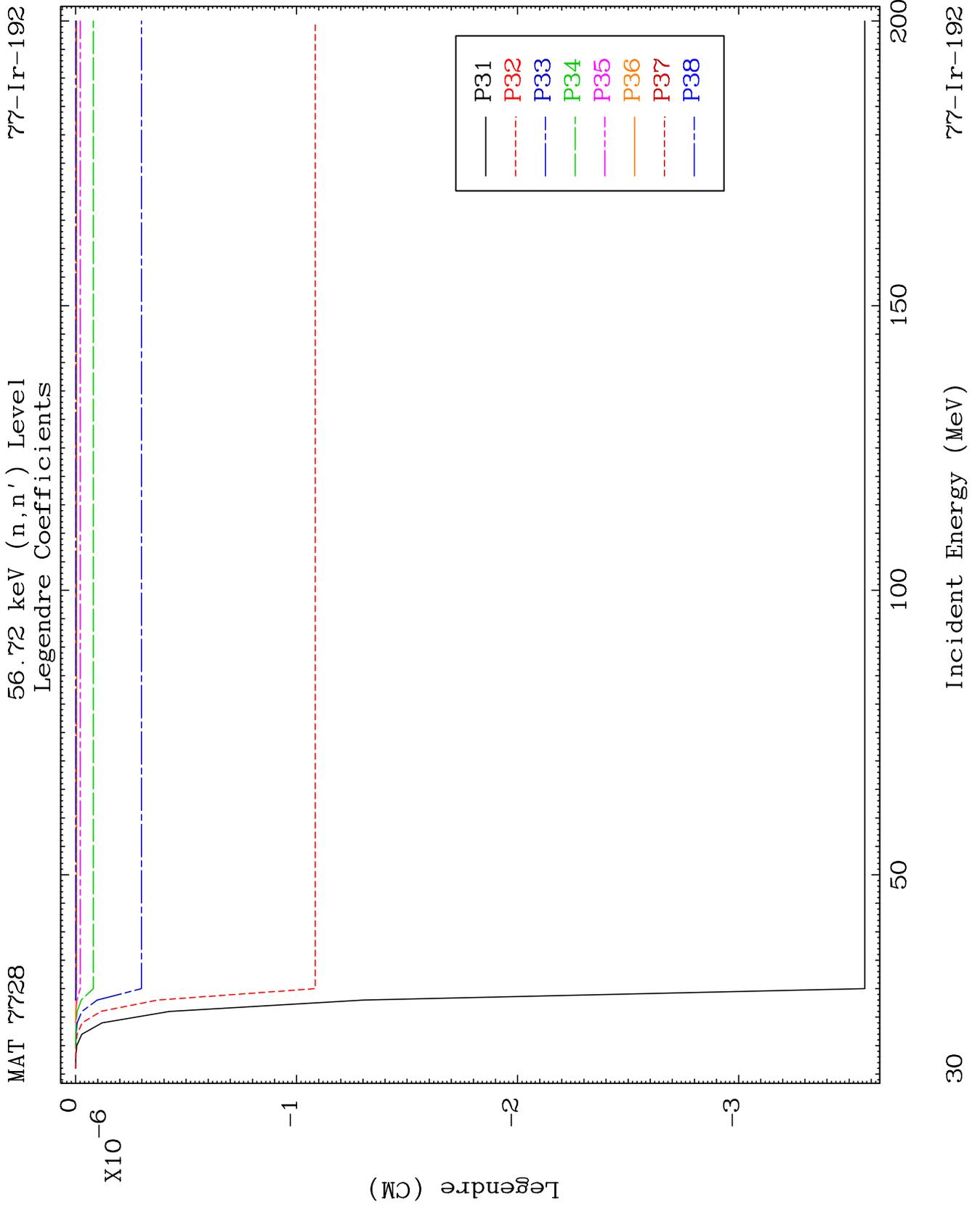


28

Incident Energy (MeV)

77-Ir-192

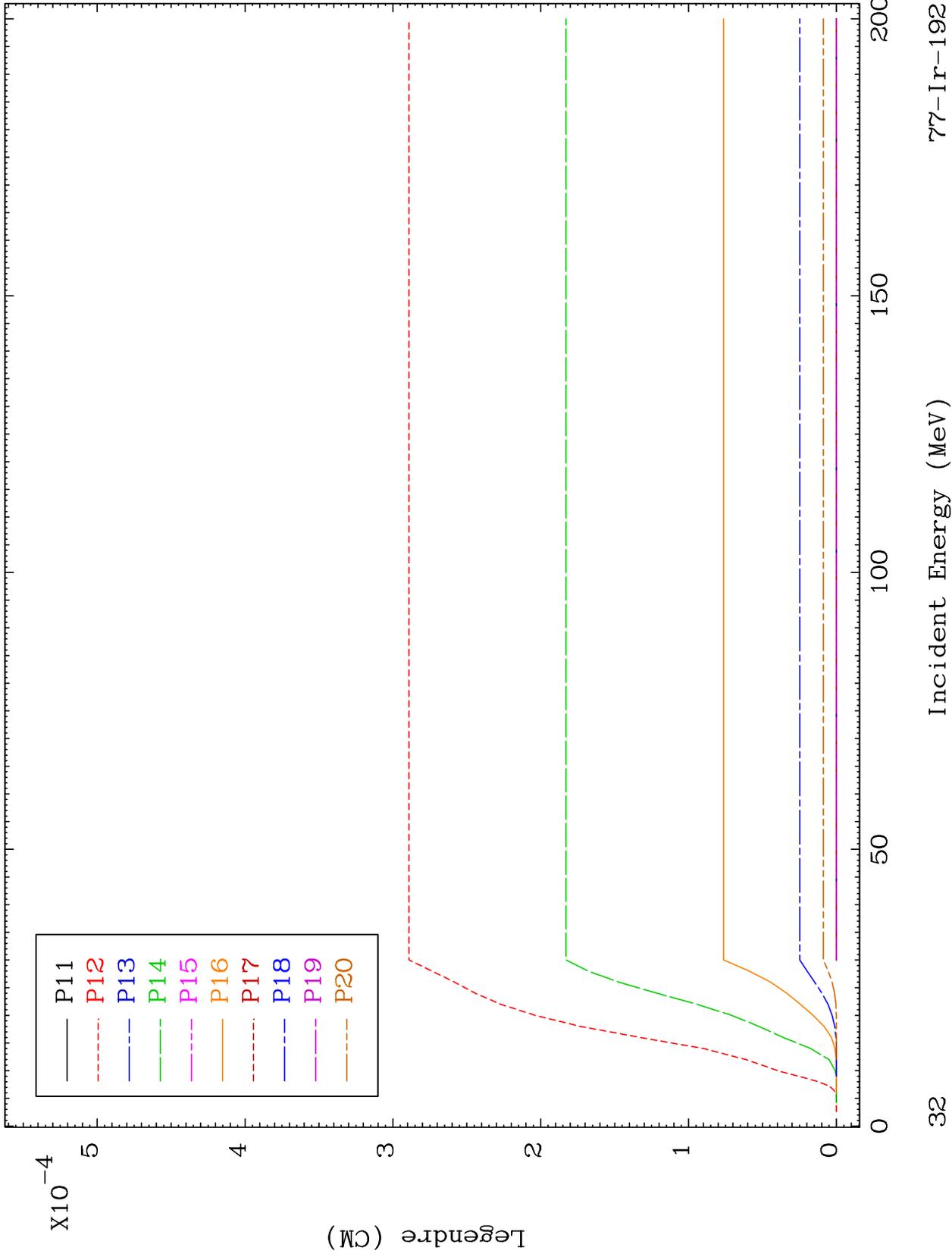




MAT 7728

66.83 keV (n,n') Level
Legendre Coefficients

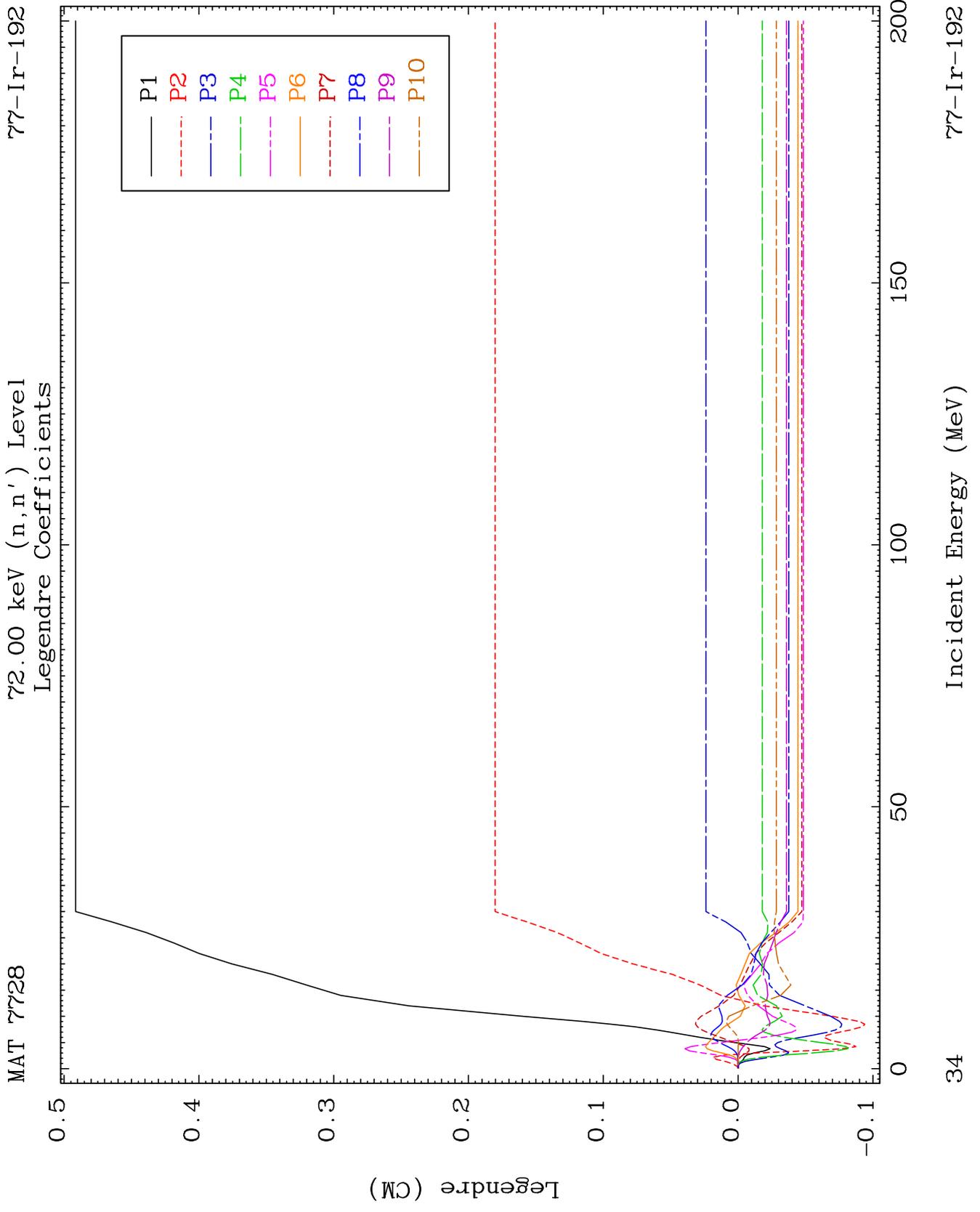
77-Ir-192



77-Ir-192

Incident Energy (MeV)

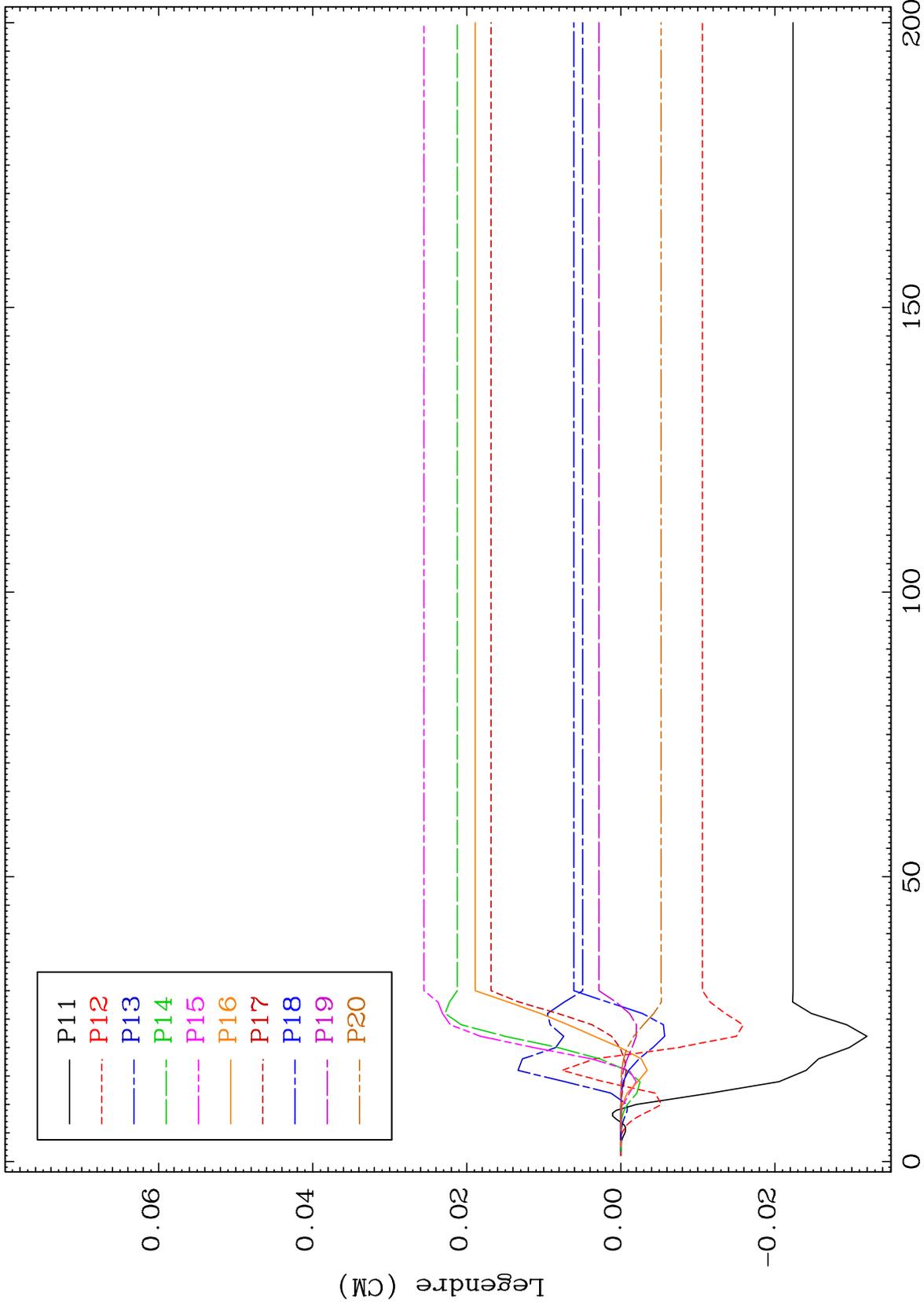
32



MAT 7728

72.00 keV (n,n') Level
Legendre Coefficients

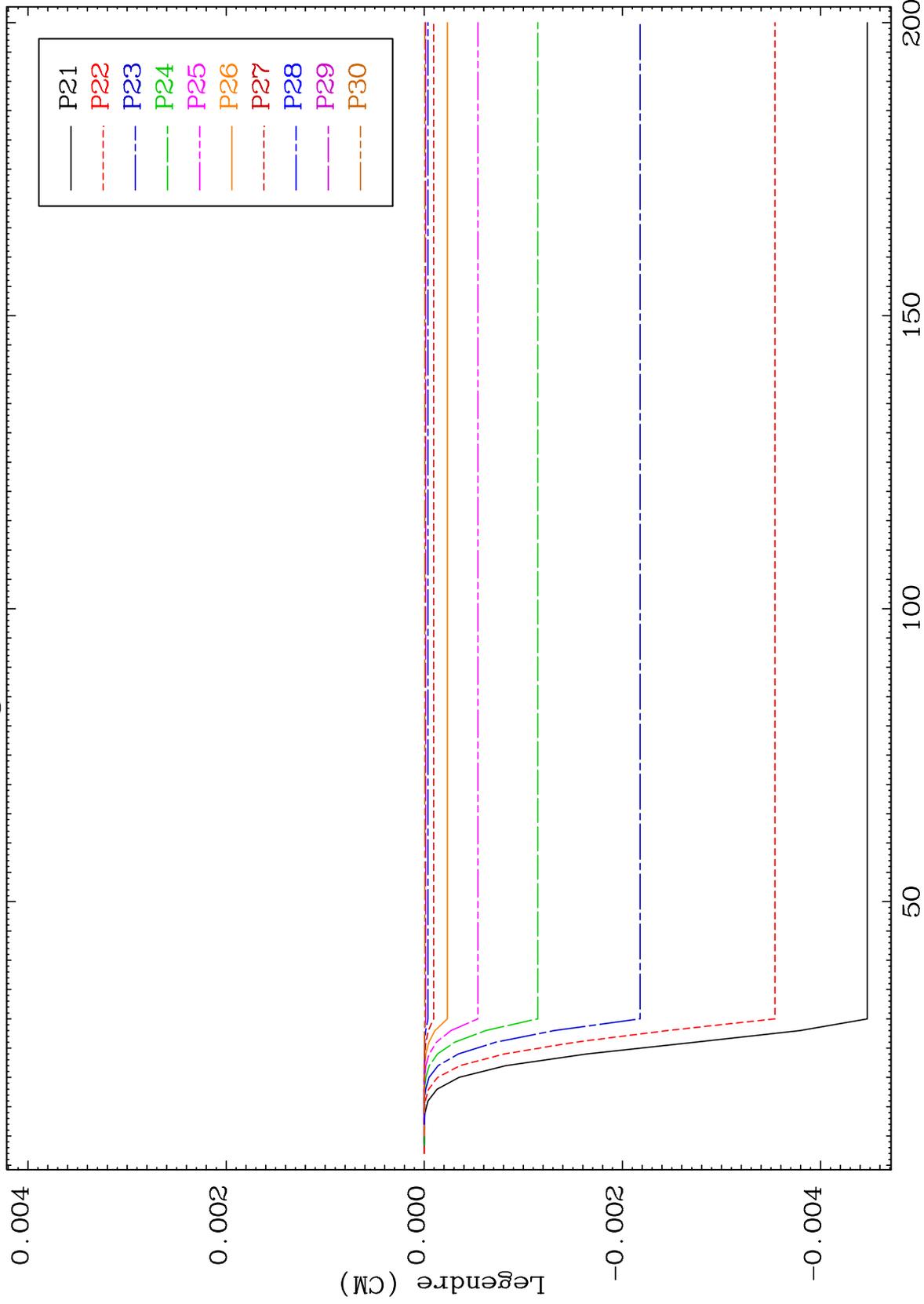
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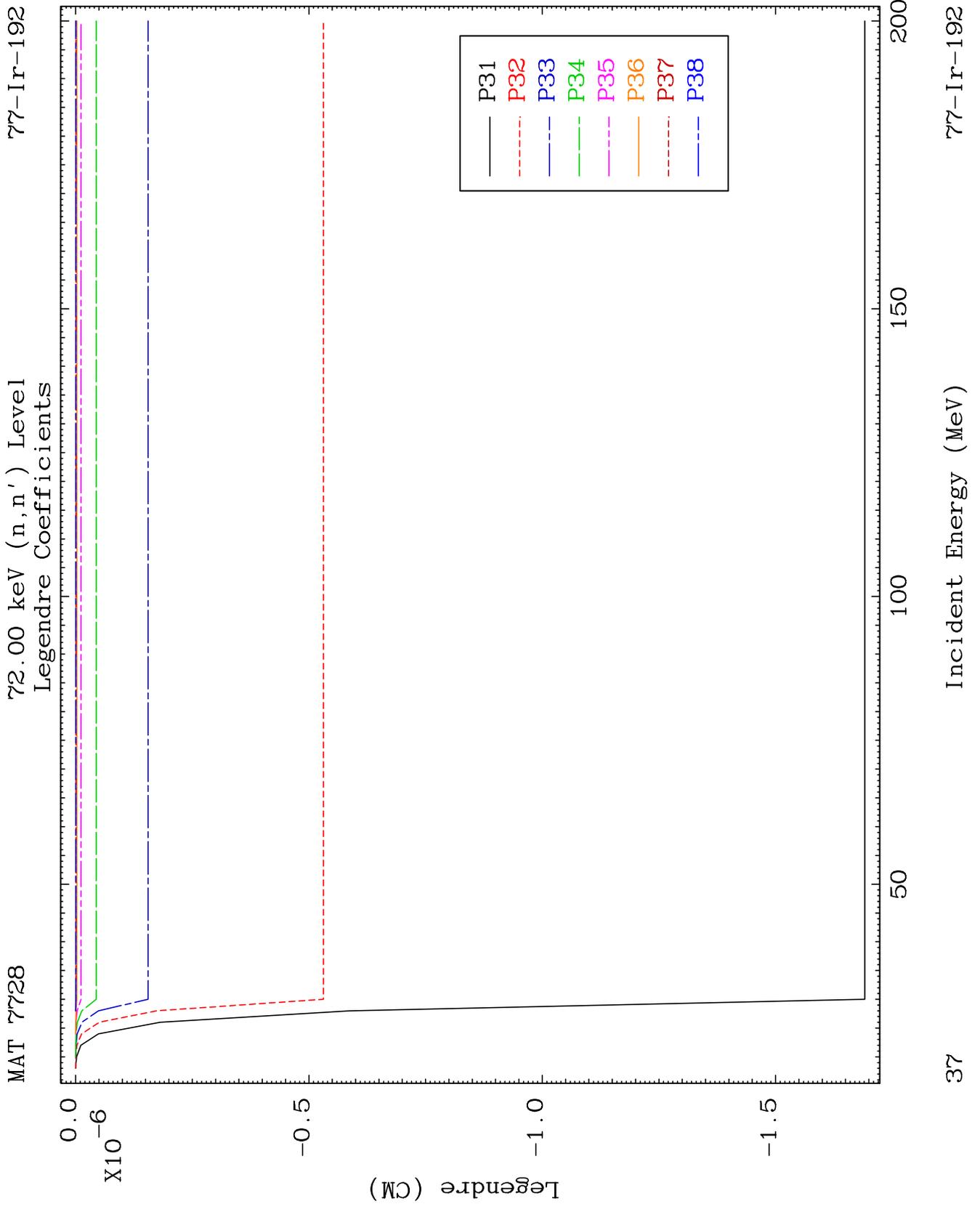


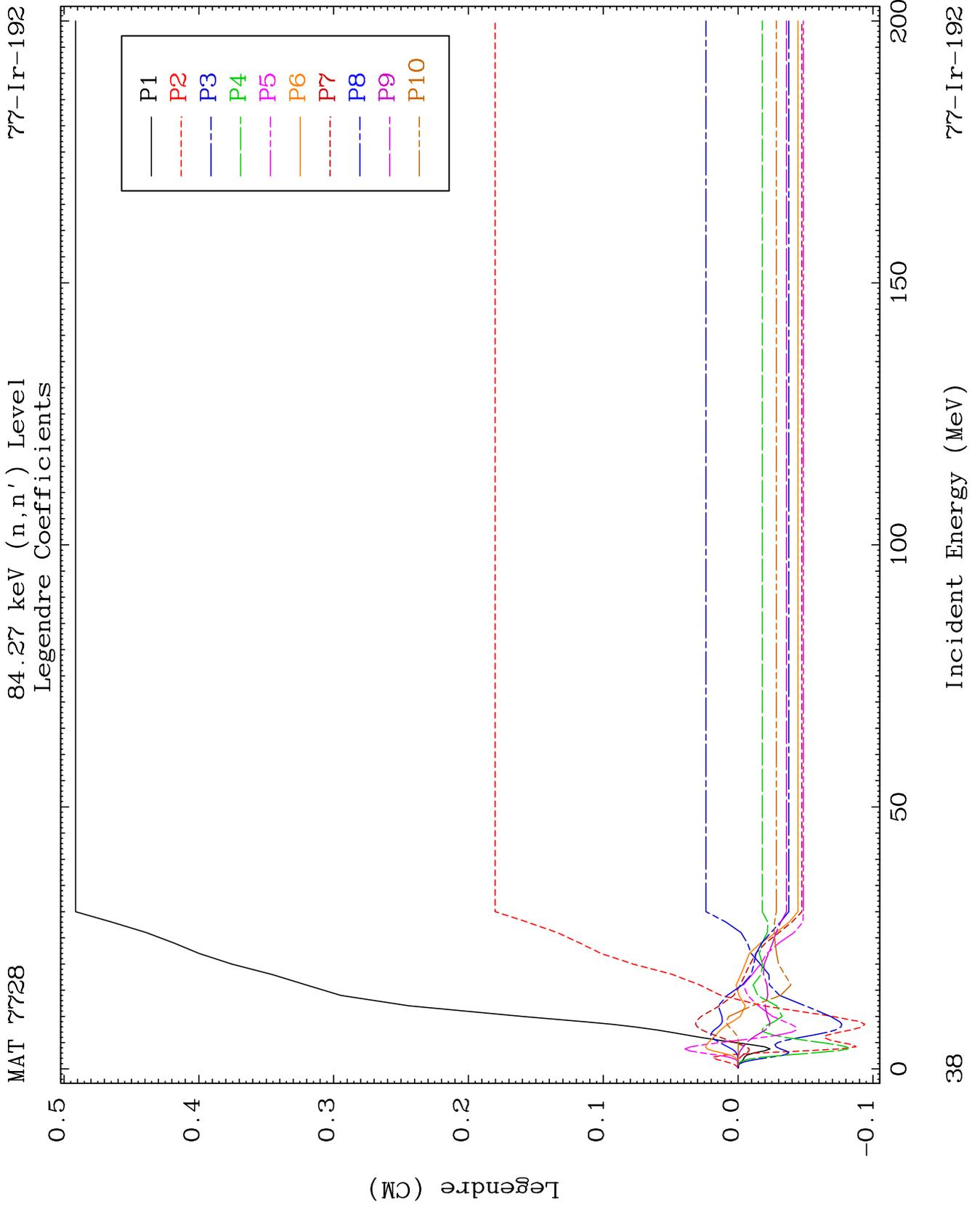
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Incident Energy (MeV)

77-Ir-192



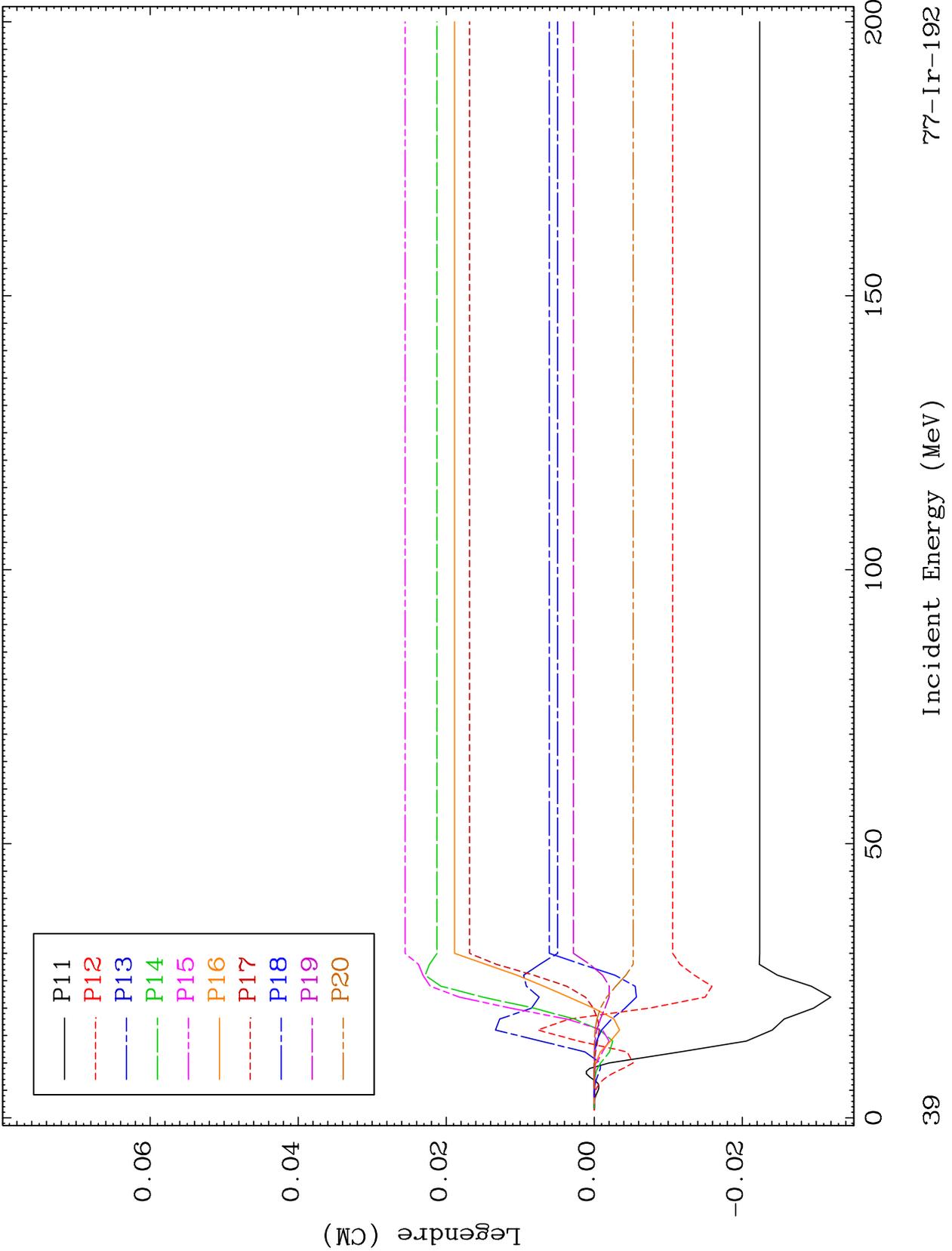




MAT 7728

84.27 keV (n,n') Level
Legendre Coefficients

77-Ir-192



39

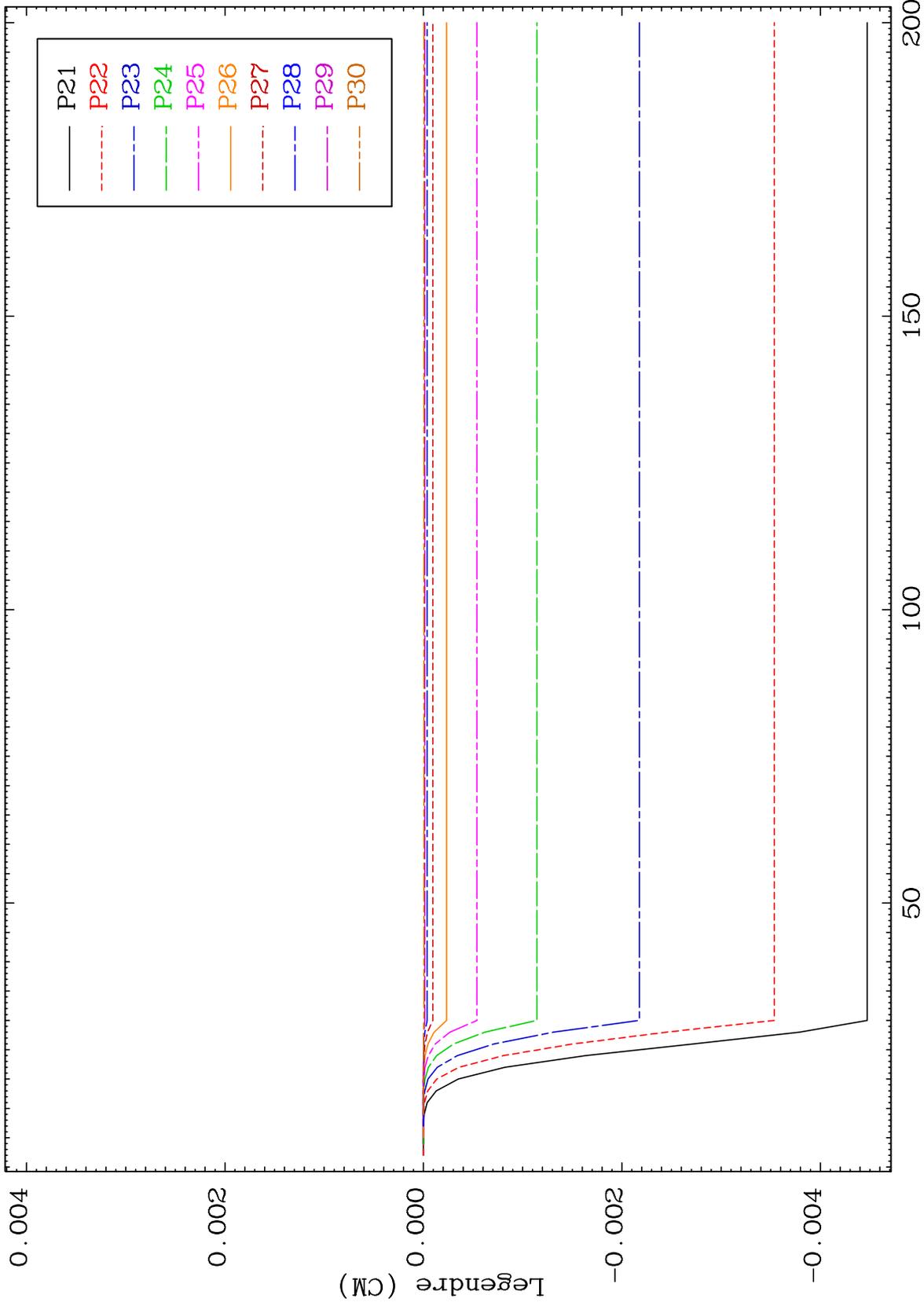
Incident Energy (MeV)

77-Ir-192

MAT 7728

84.27 keV (n,n') Level
Legendre Coefficients

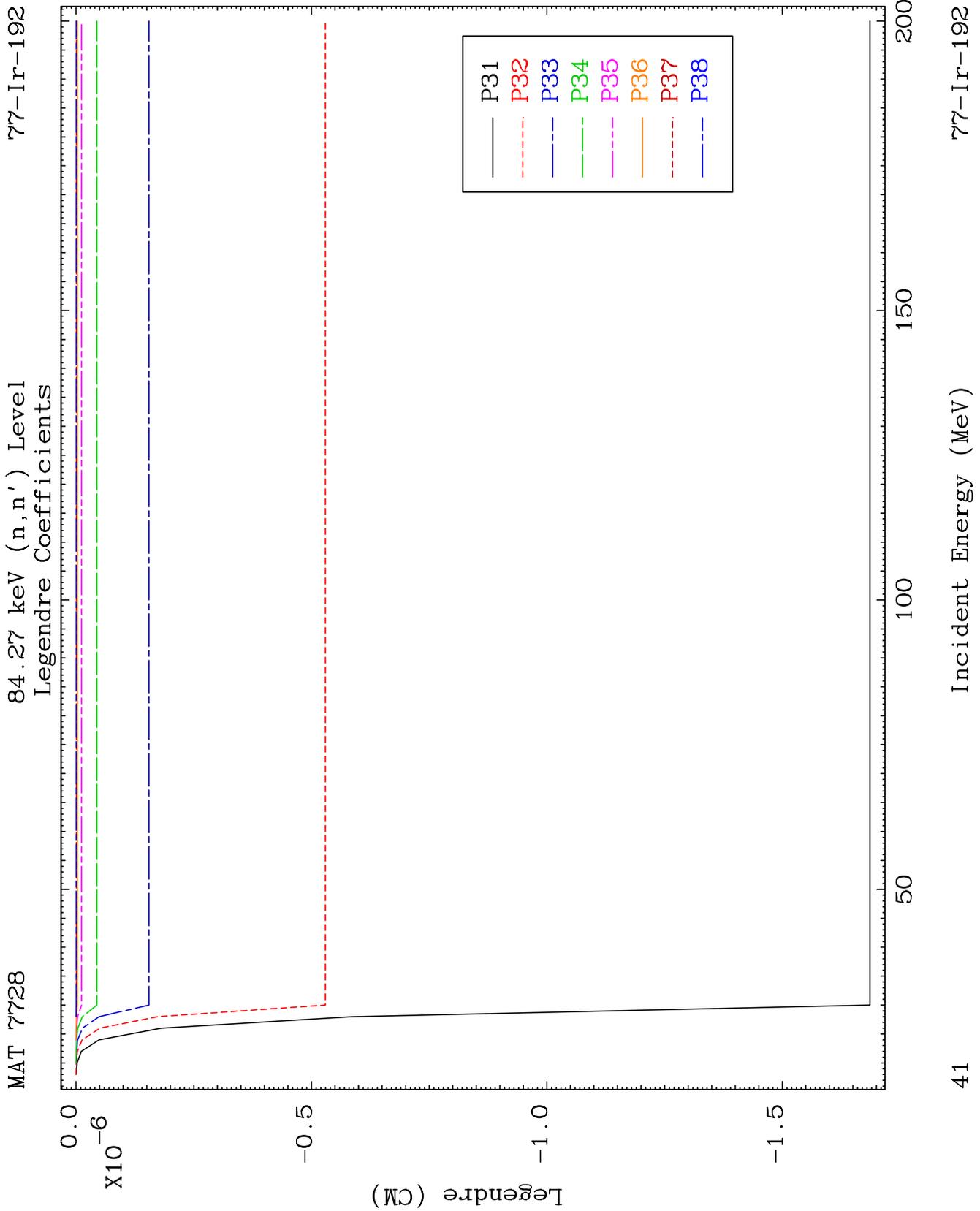
77-Ir-192



40

Incident Energy (MeV)

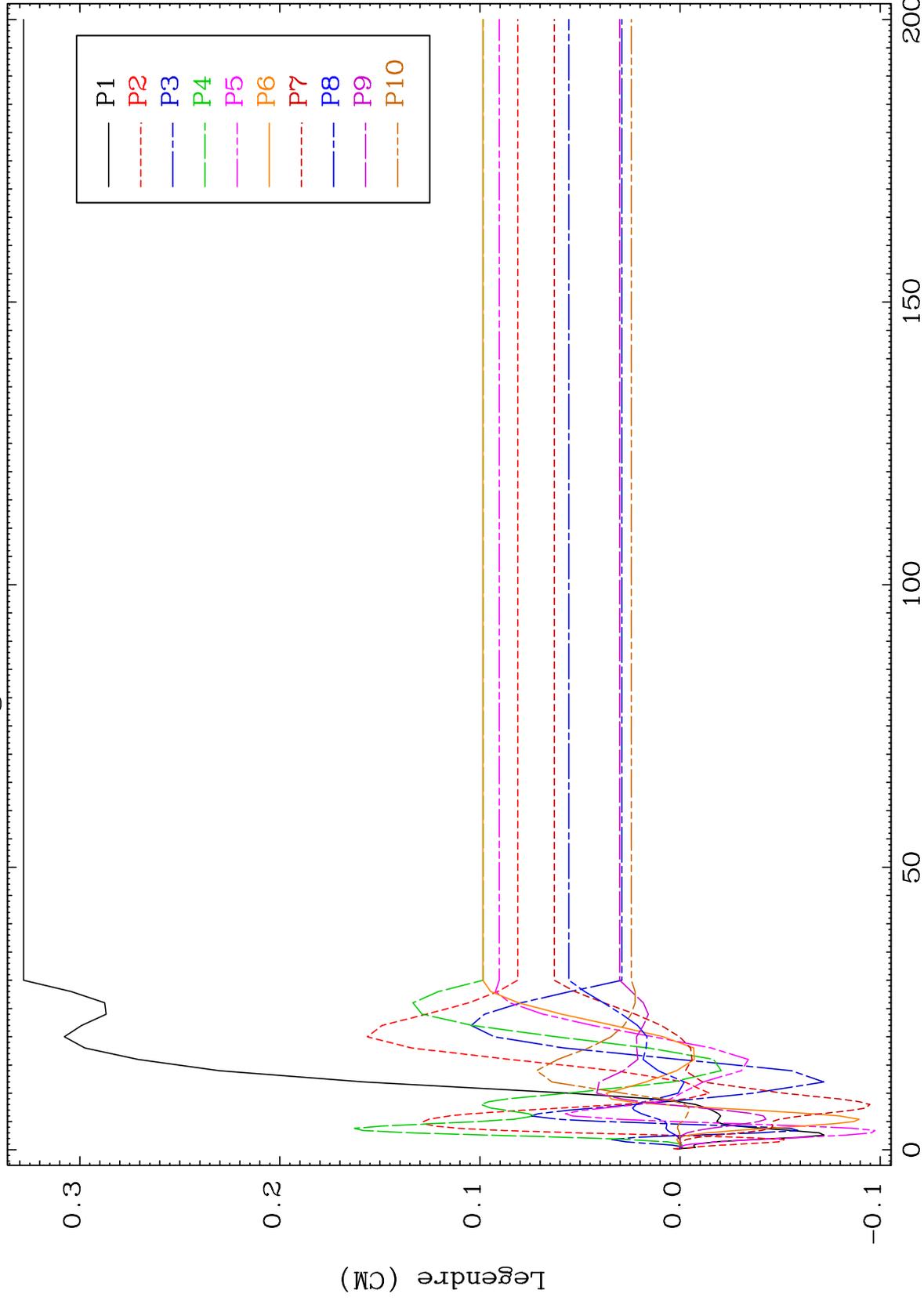
77-Ir-192



MAT 7728

104.8 keV (n,n') Level
Legendre Coefficients

77-Ir-192



42

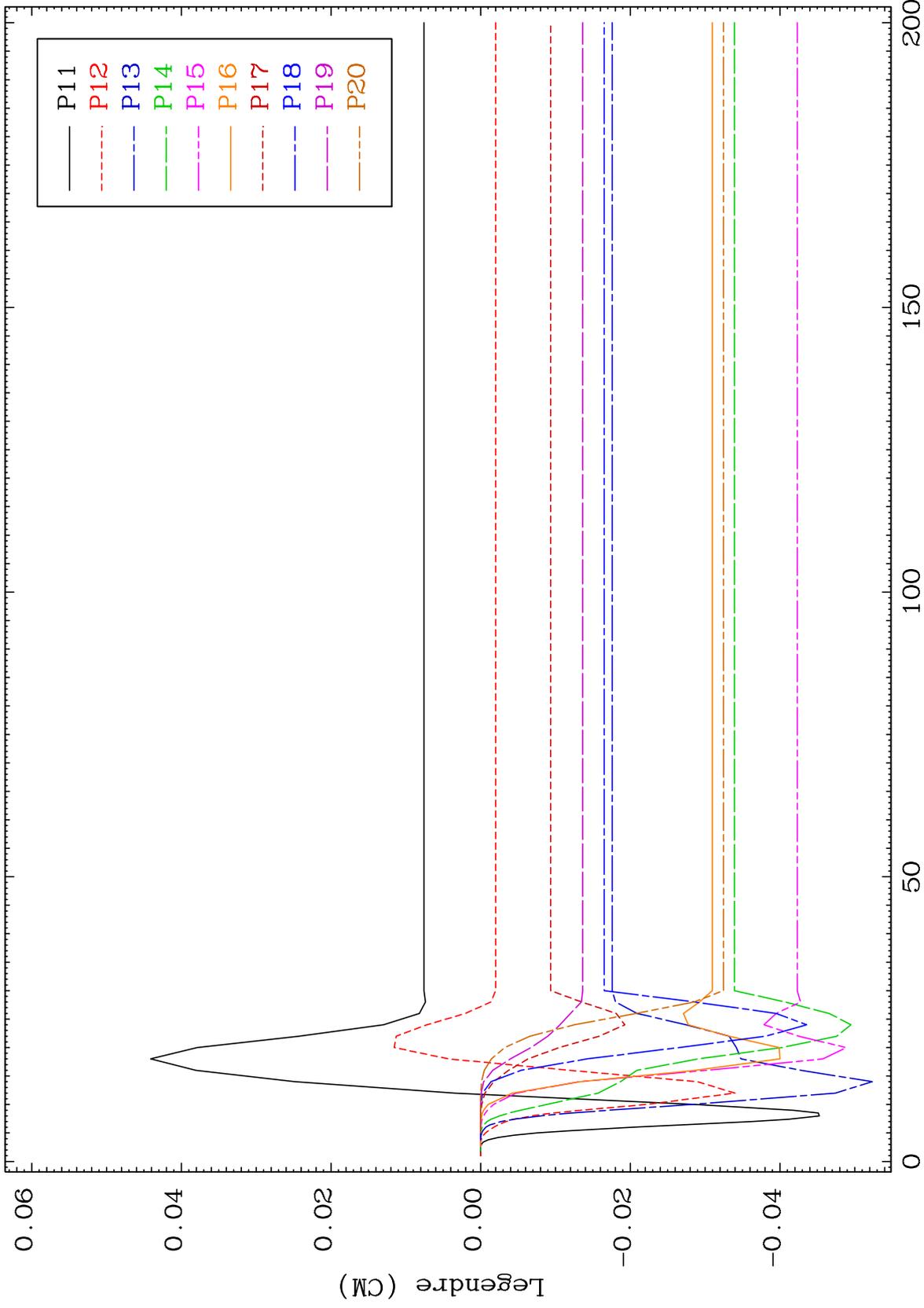
Incident Energy (MeV)

77-Ir-192

MAT 7728

104.8 keV (n,n') Level
Legendre Coefficients

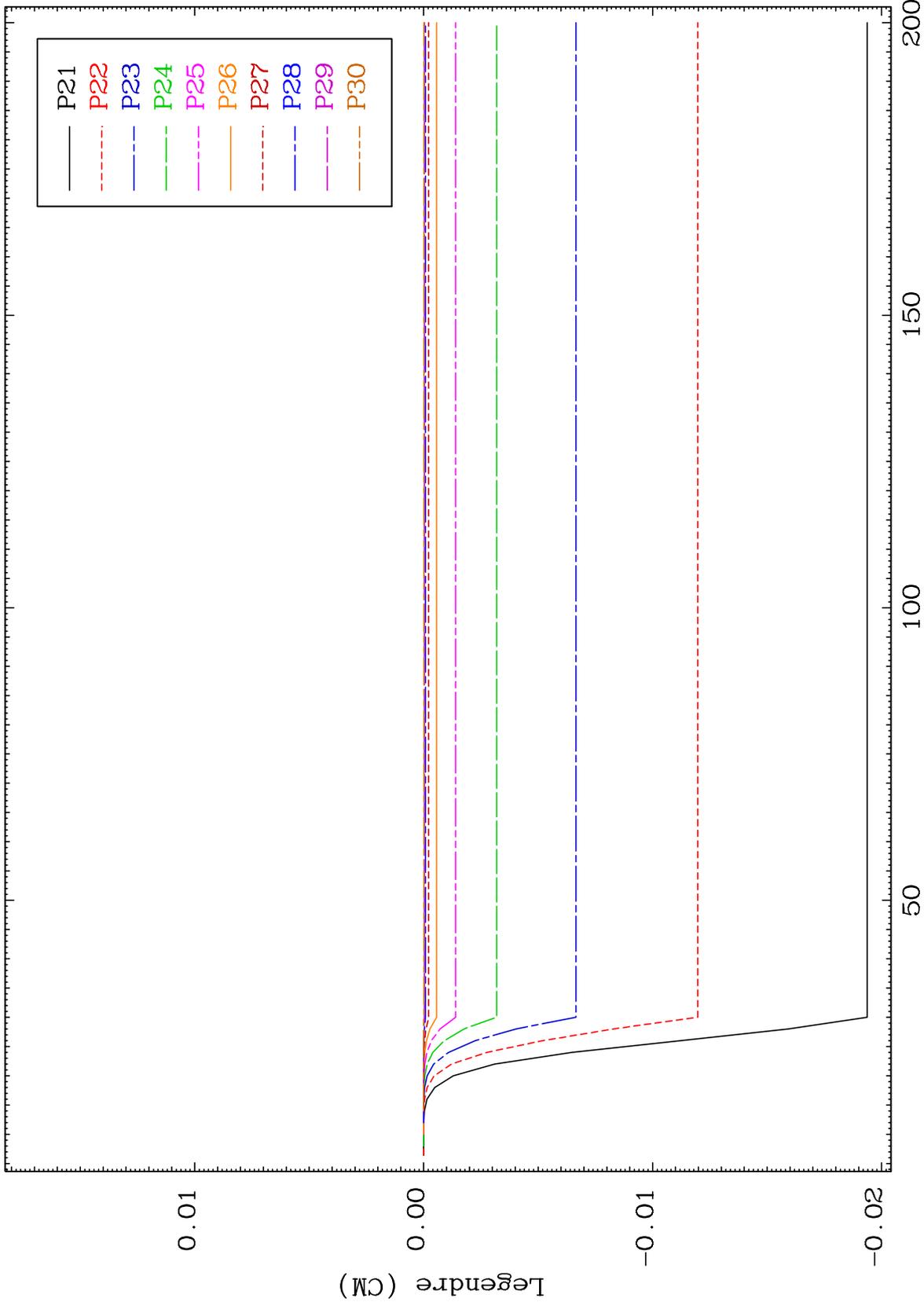
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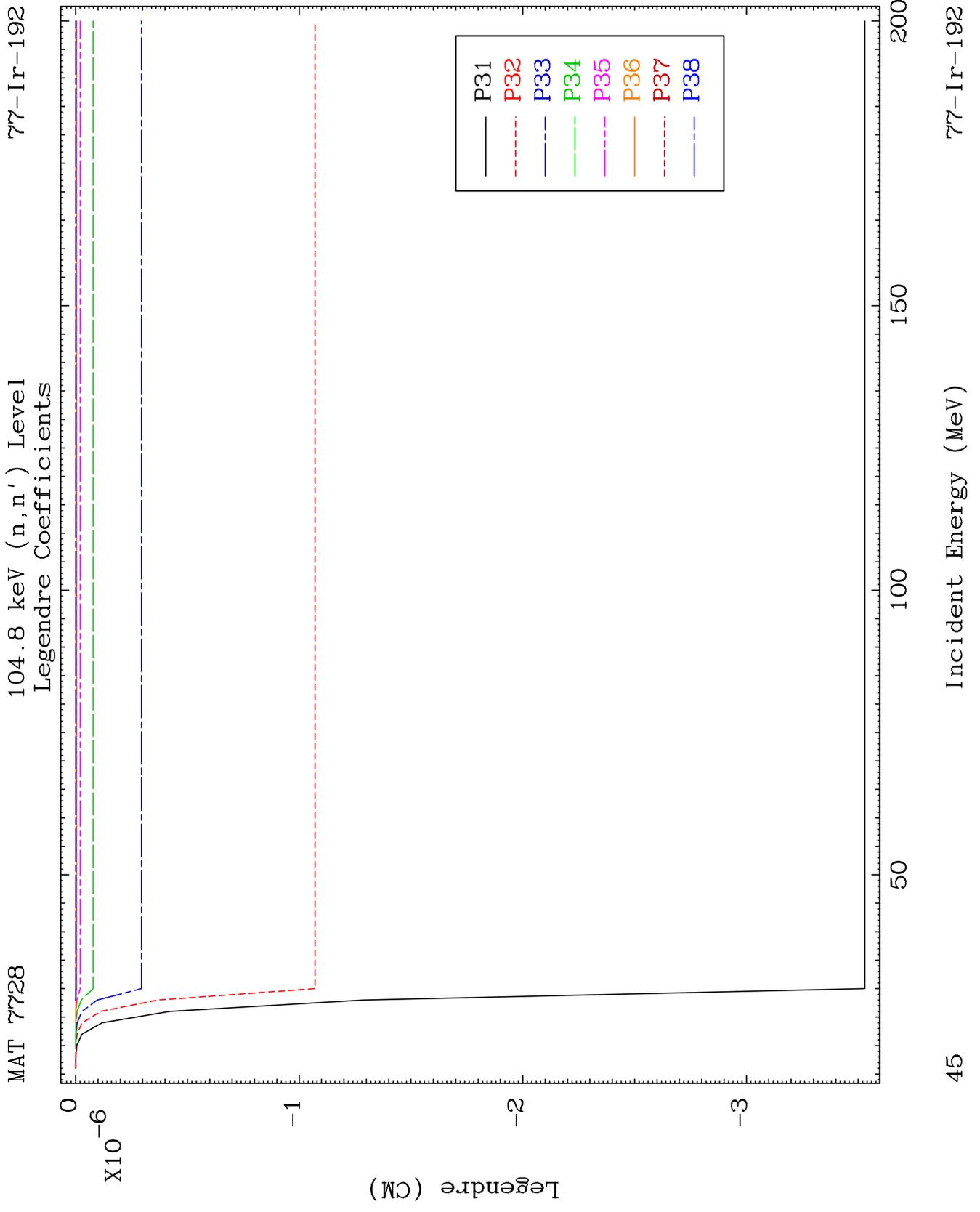


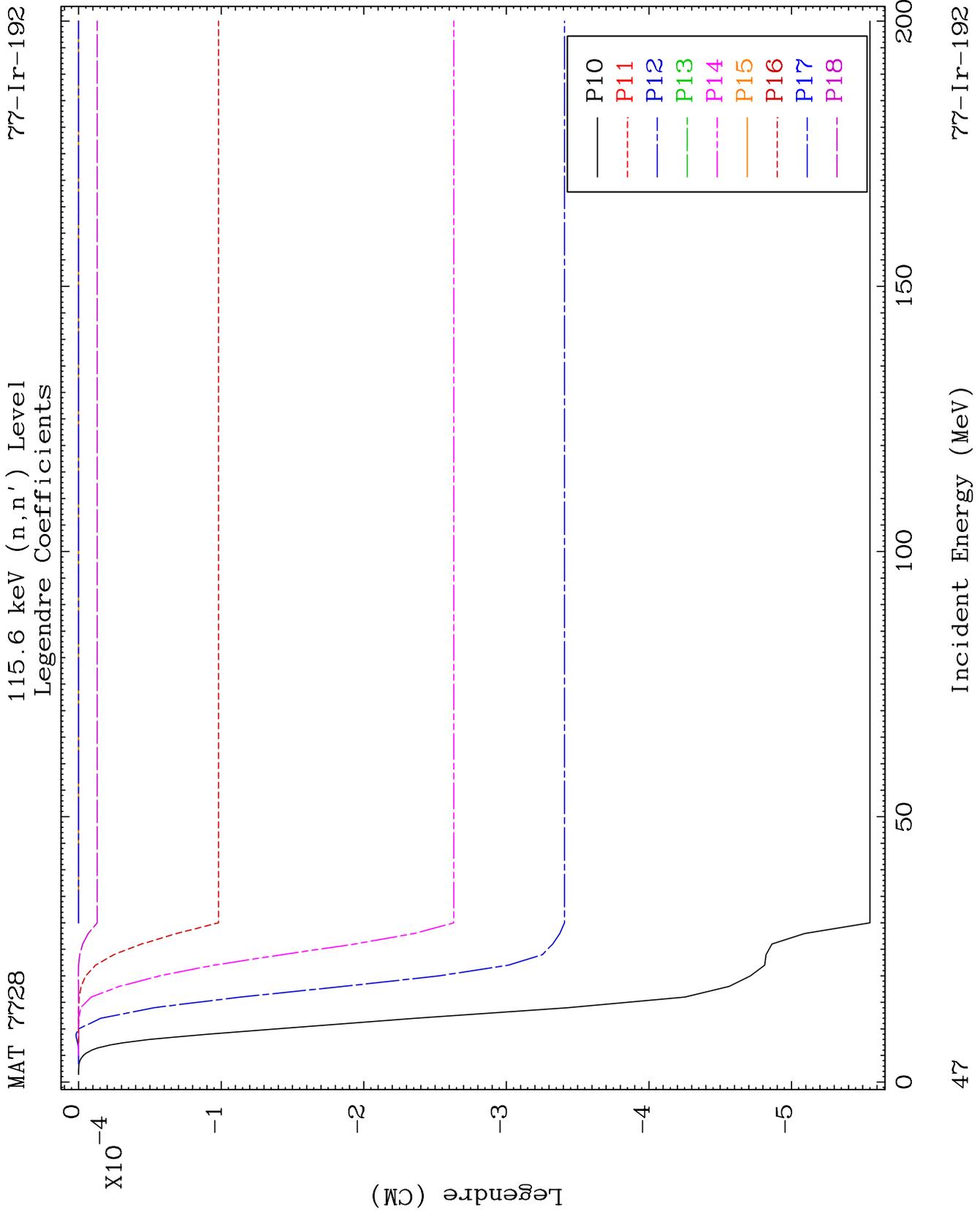
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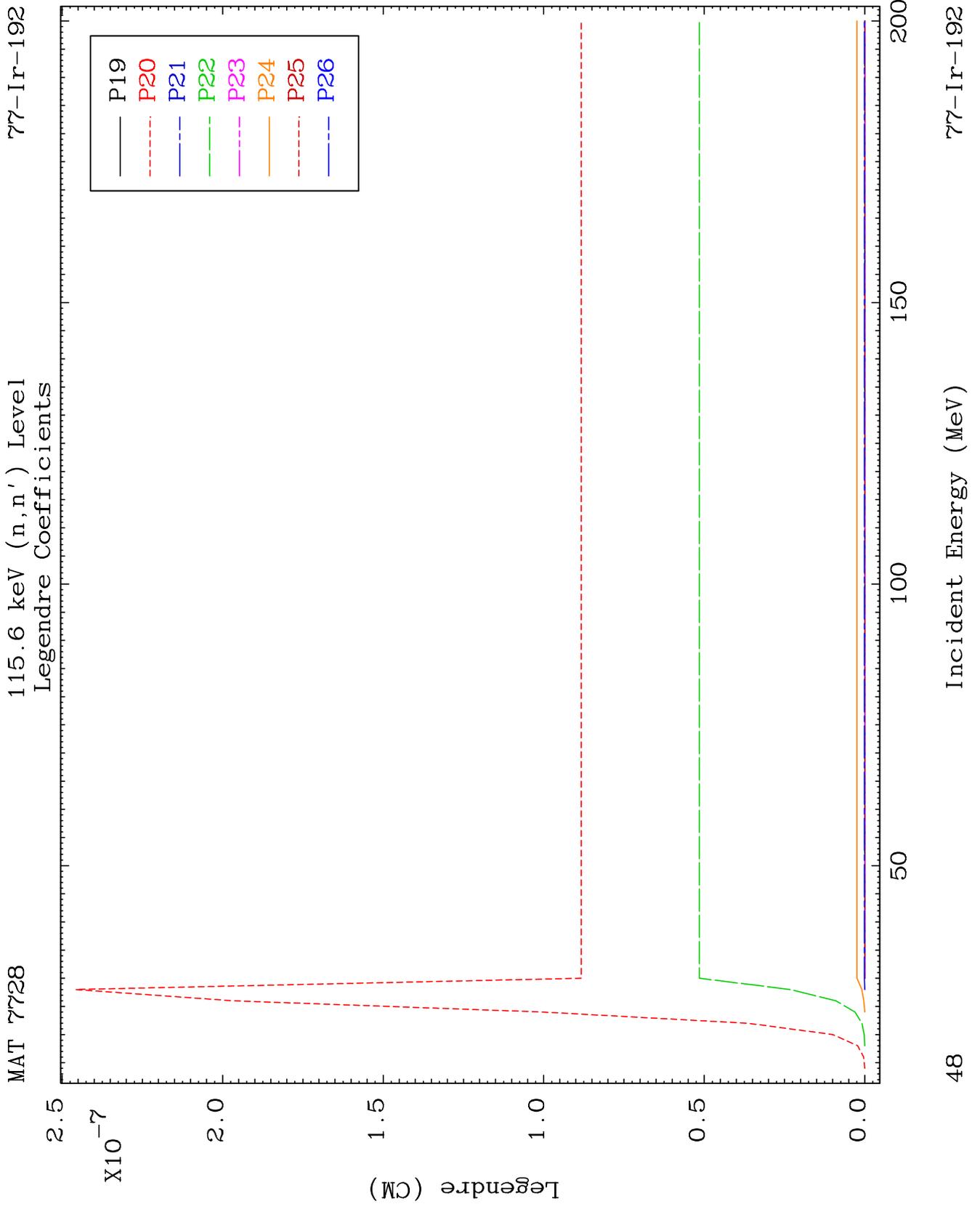
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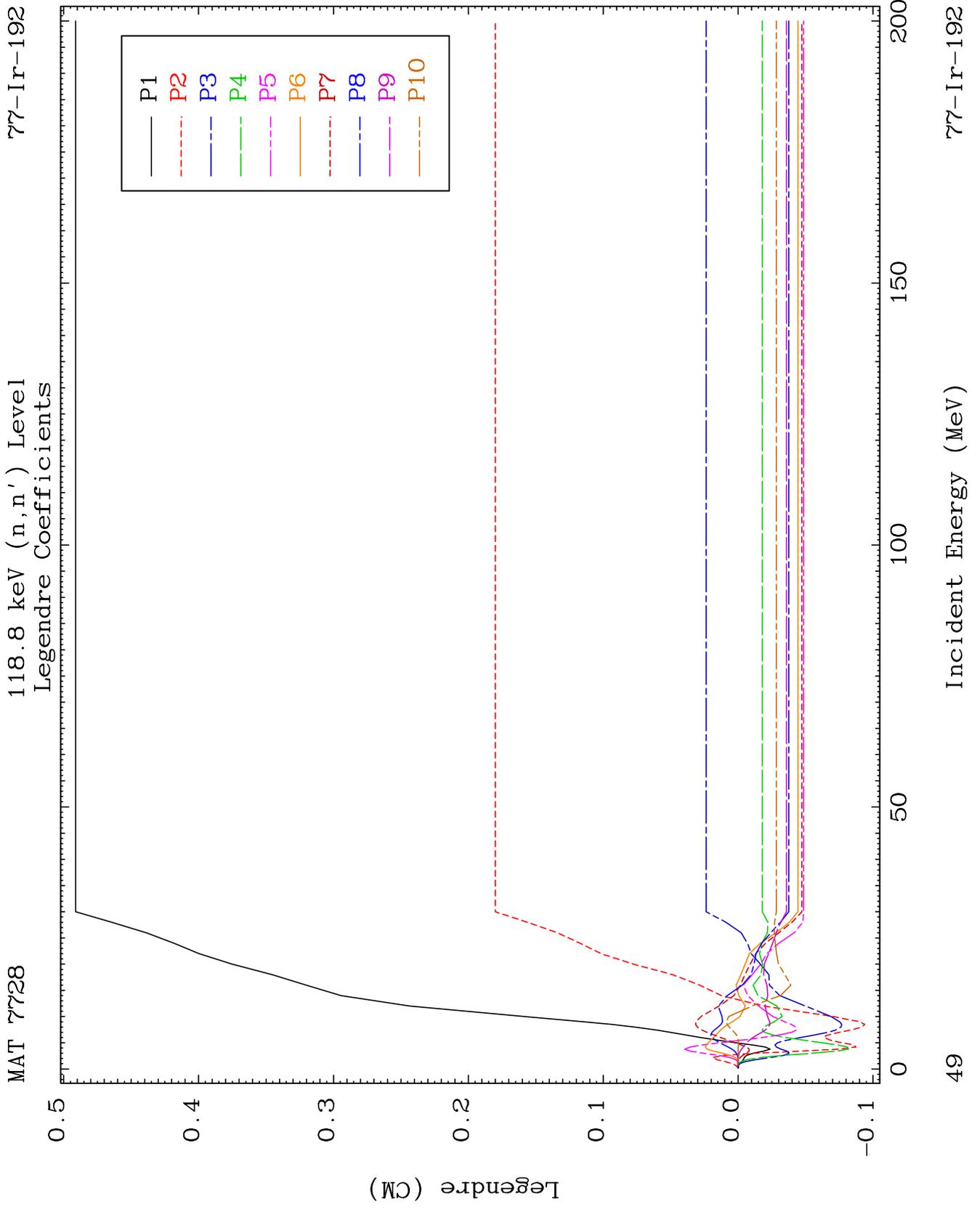
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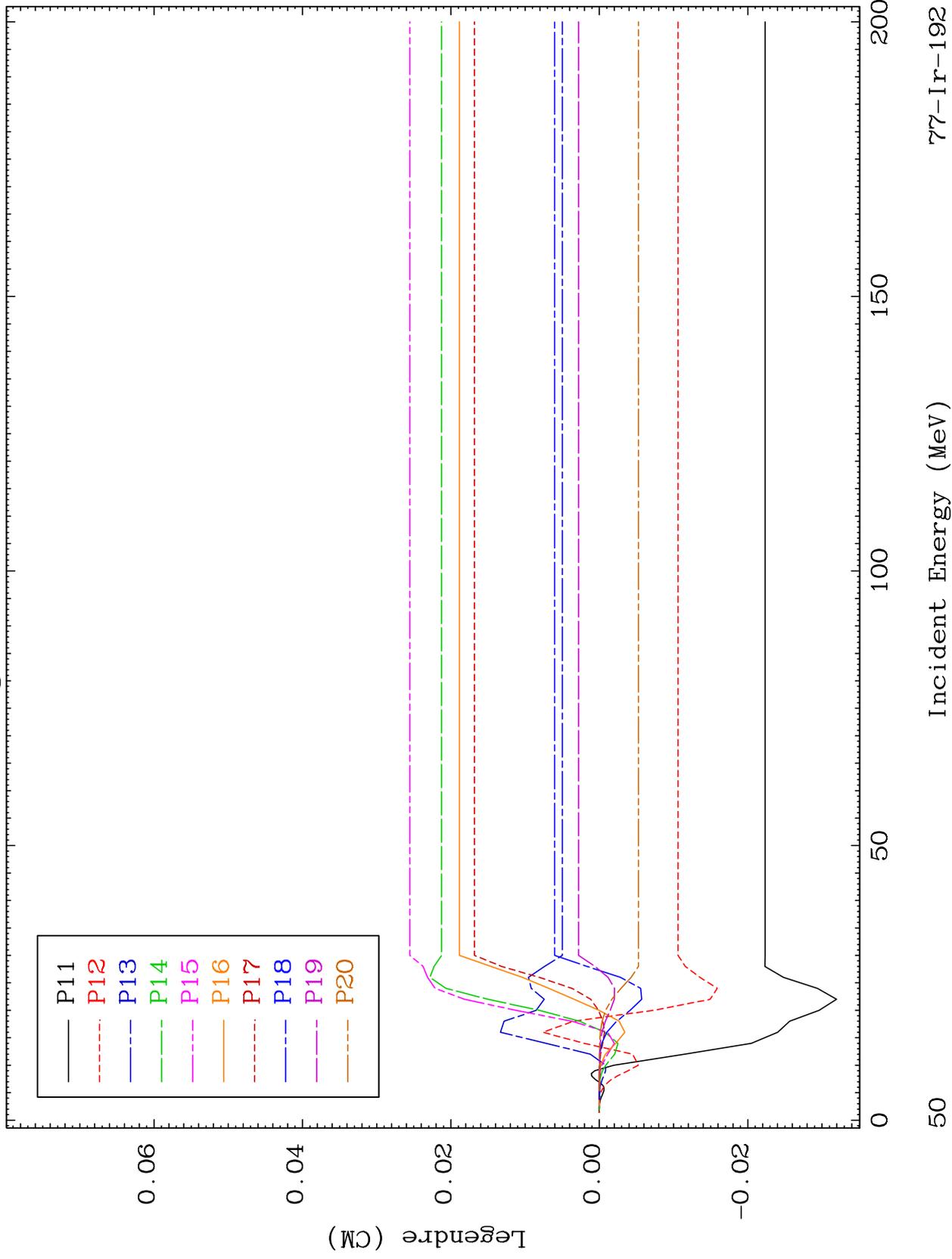




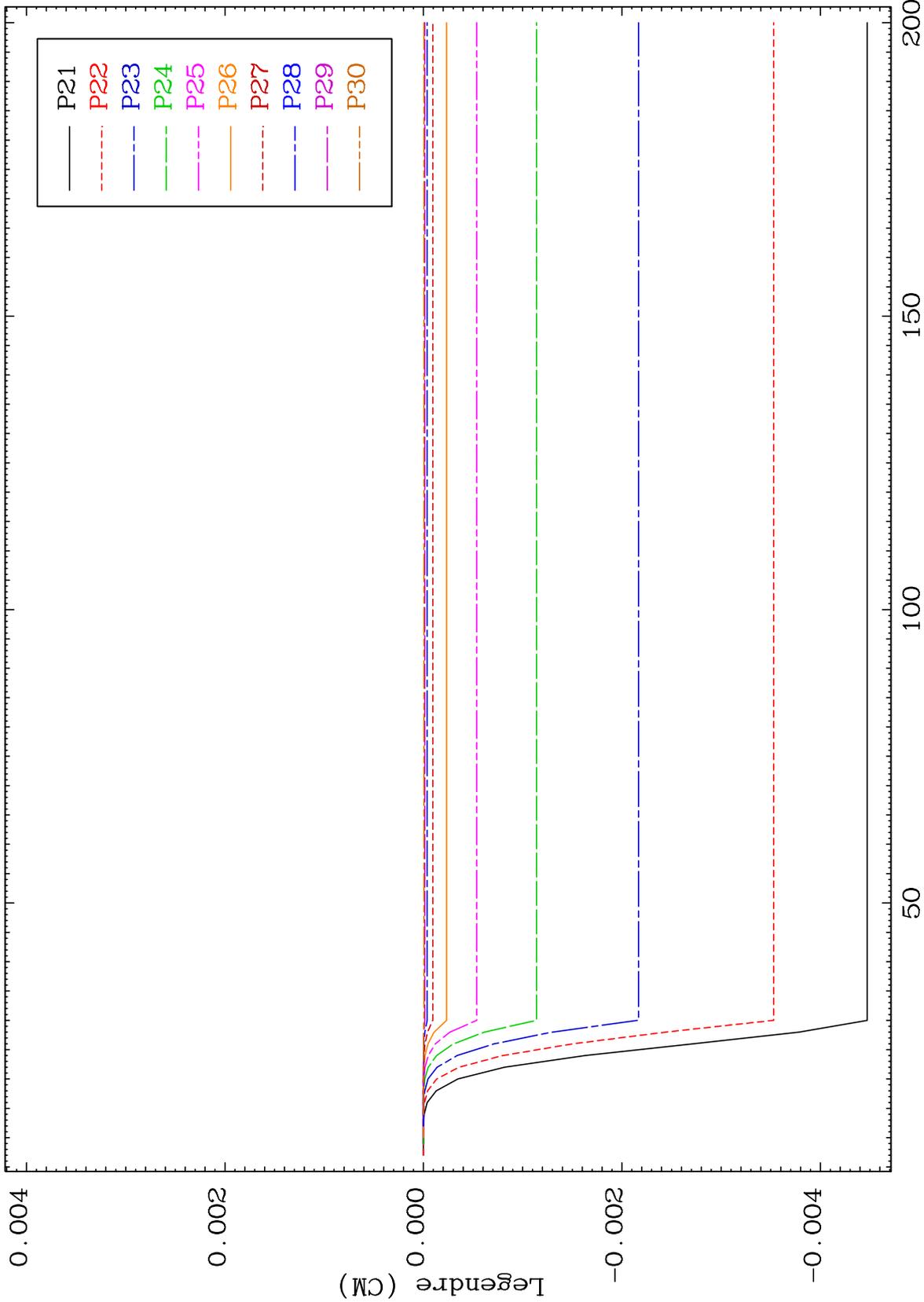
MAT 7728

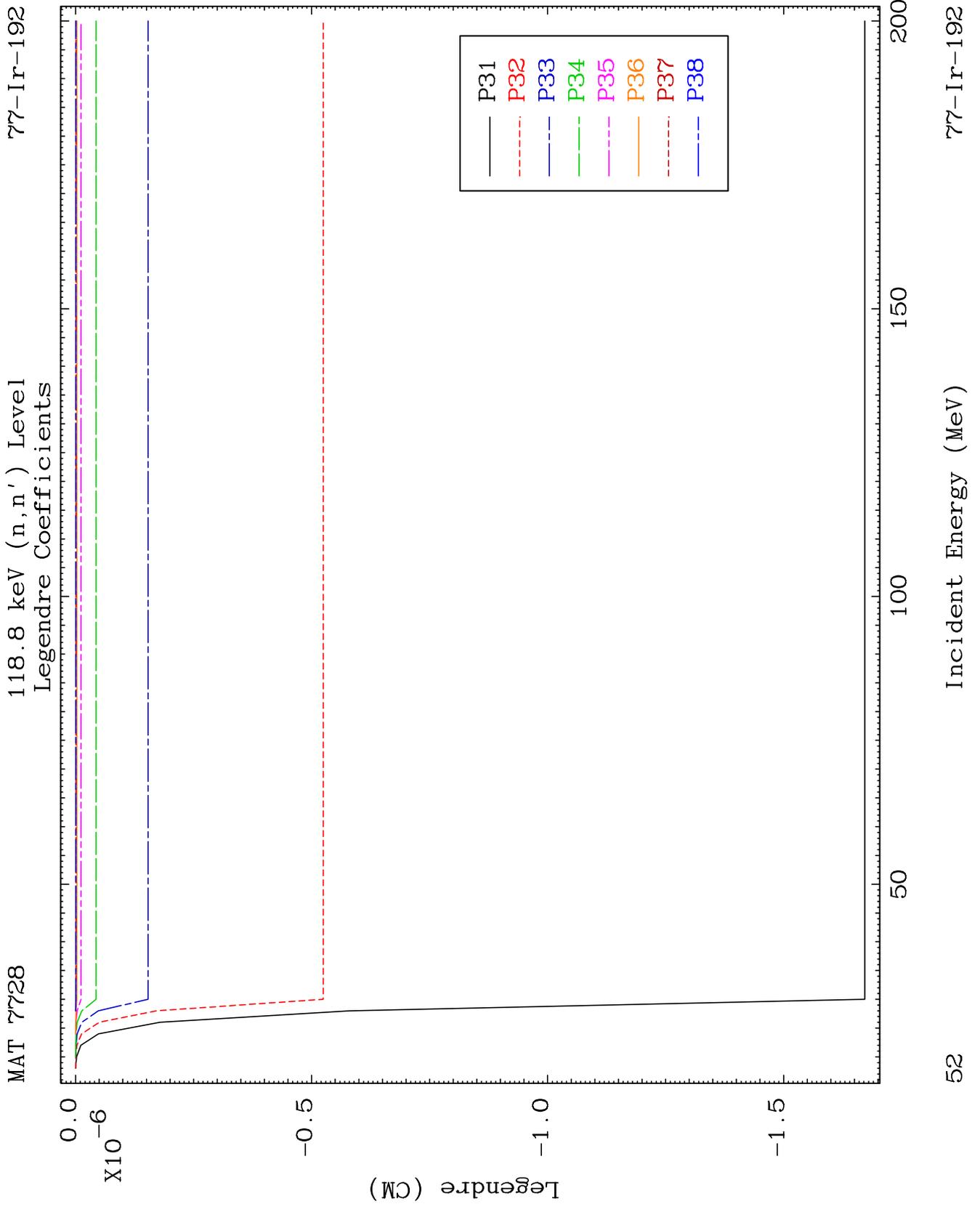
118.8 keV (n,n') Level
Legendre Coefficients

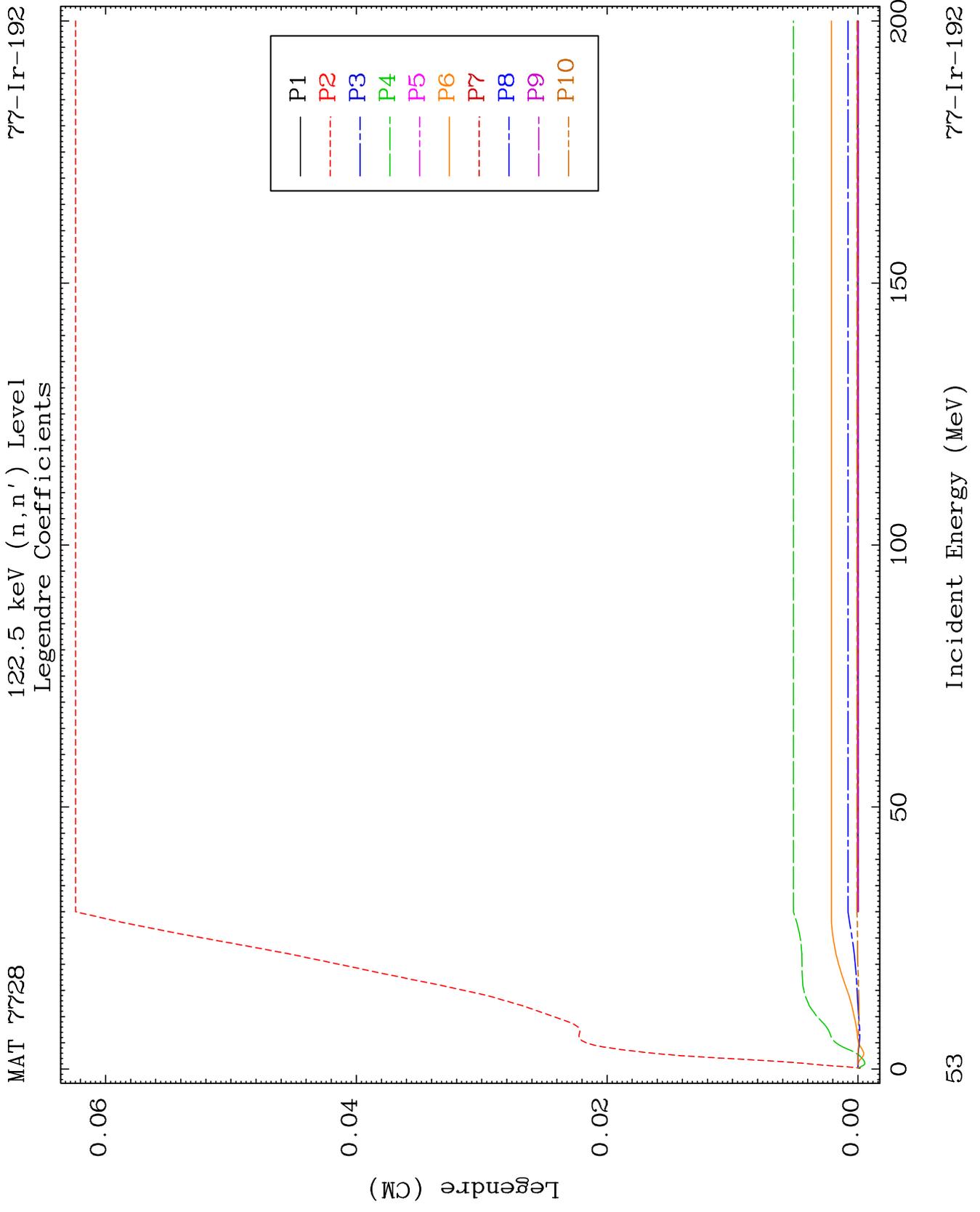
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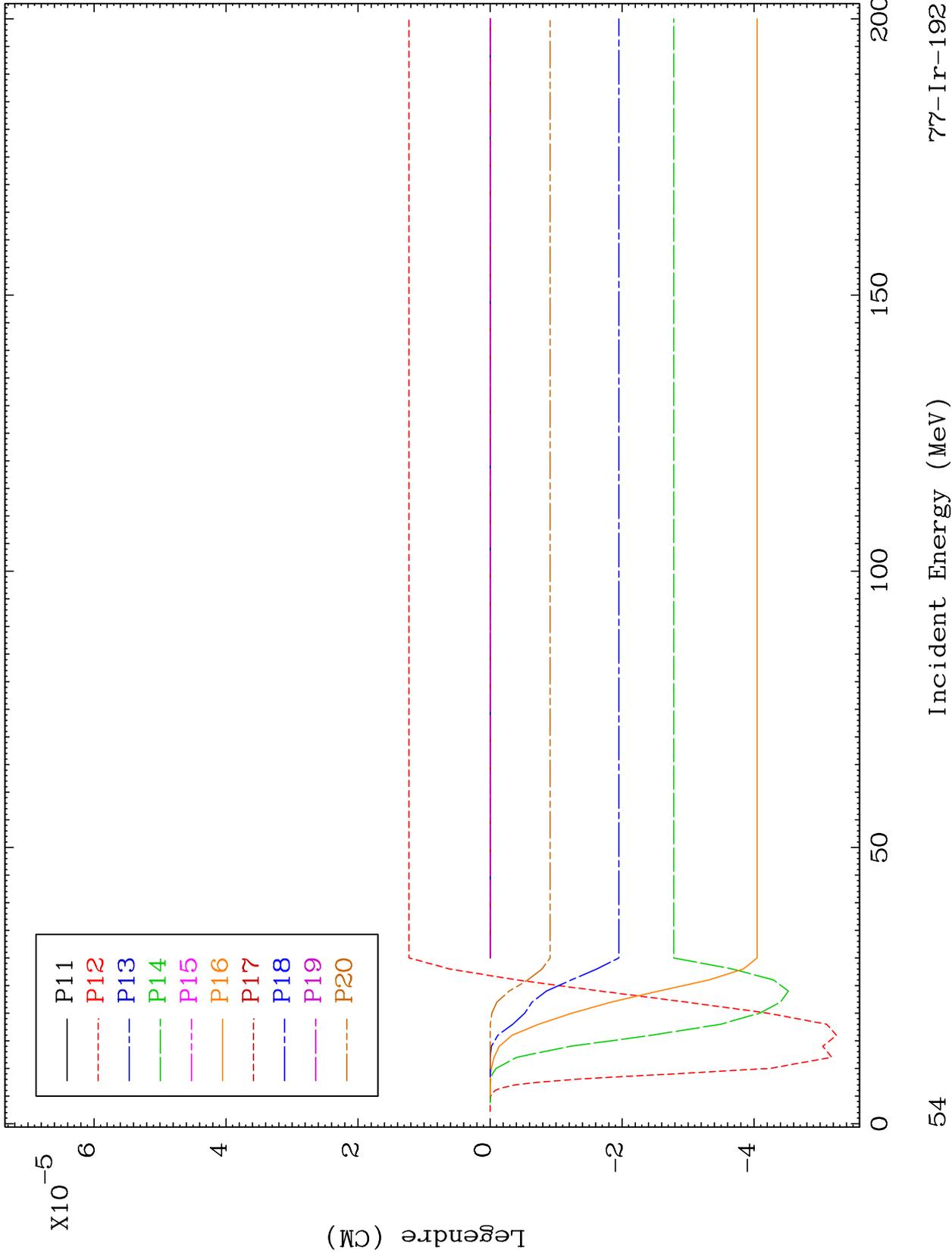


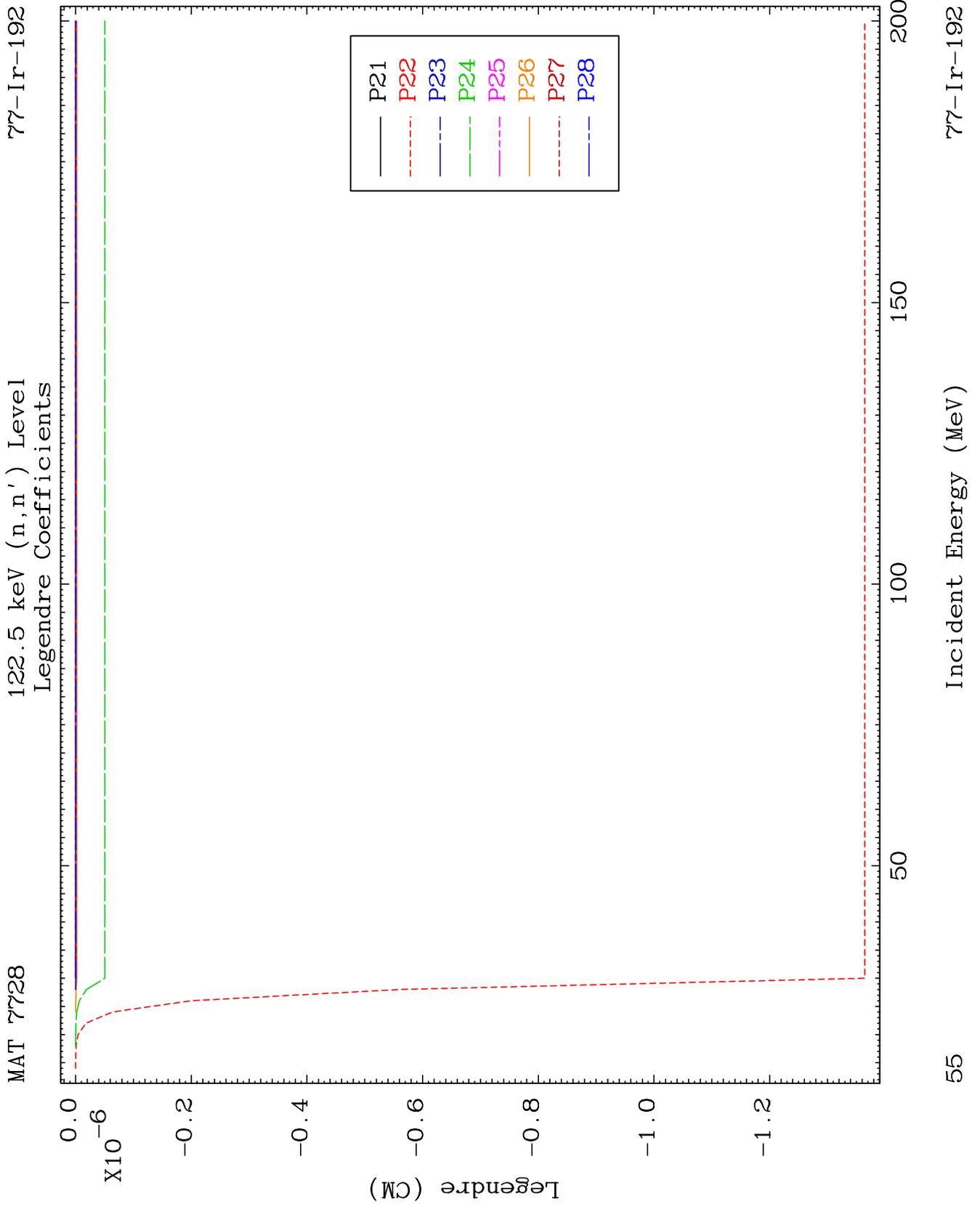
77-Ir-192







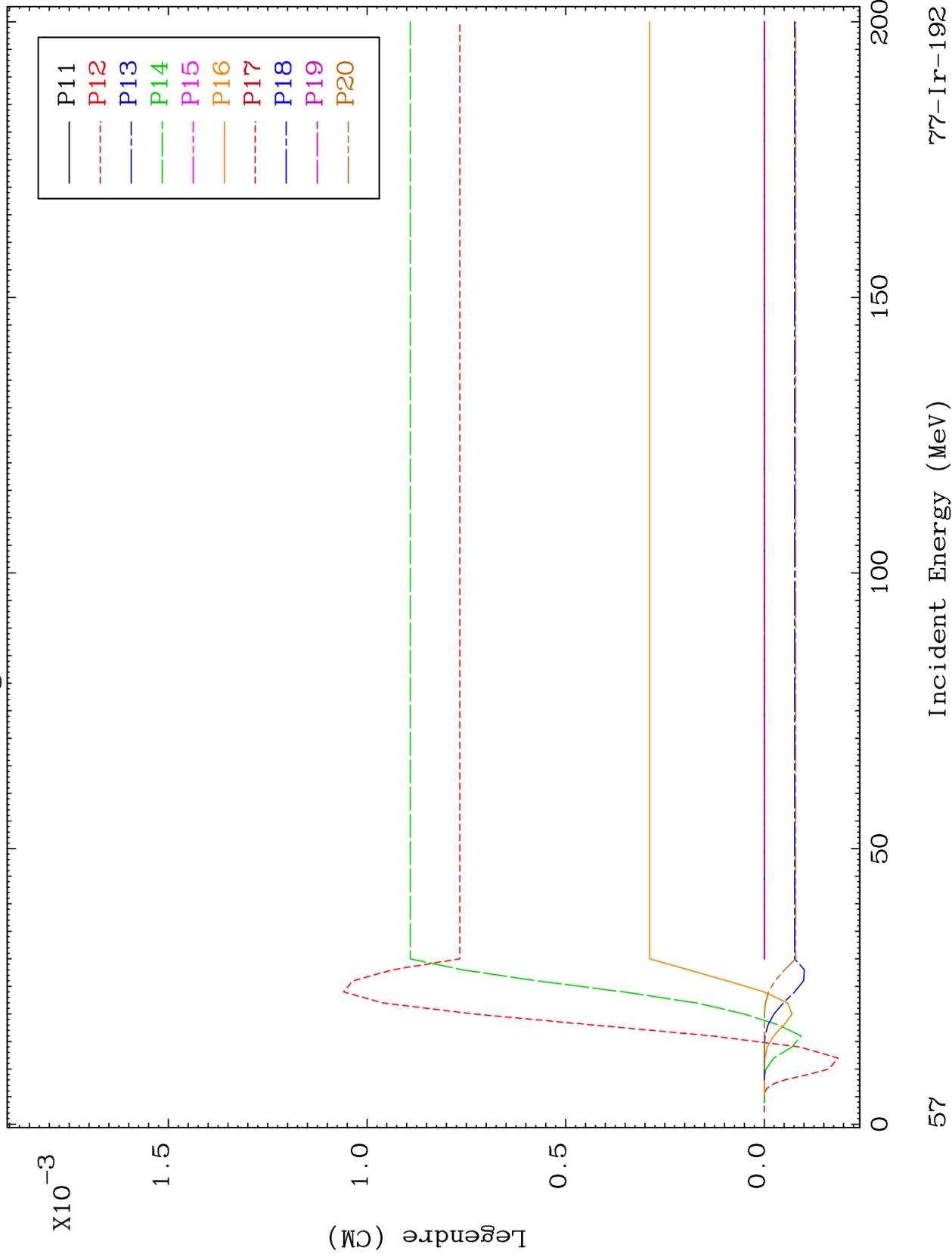




MAT 7728

128.7 keV (n,n') Level
Legendre Coefficients

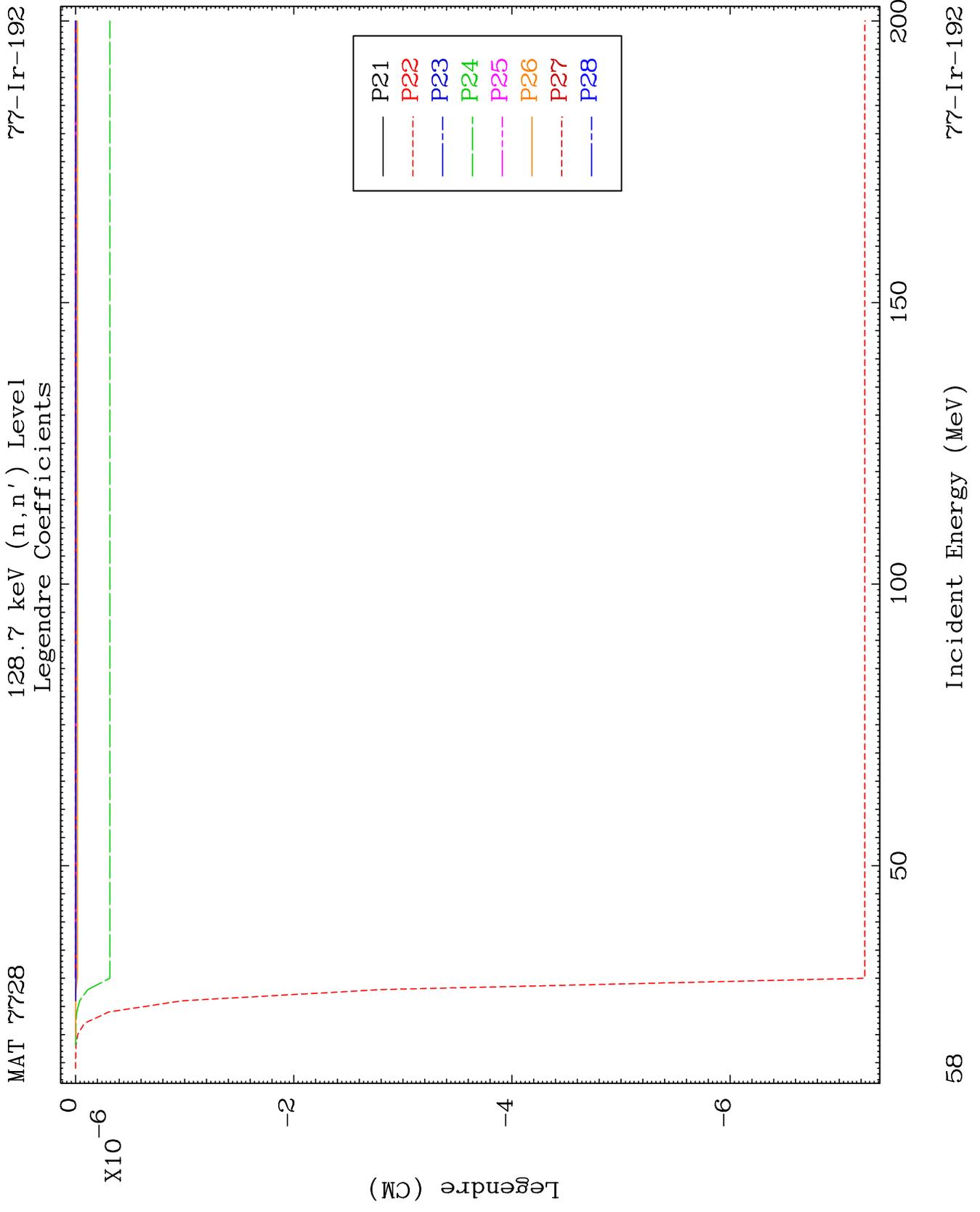
77-Ir-192

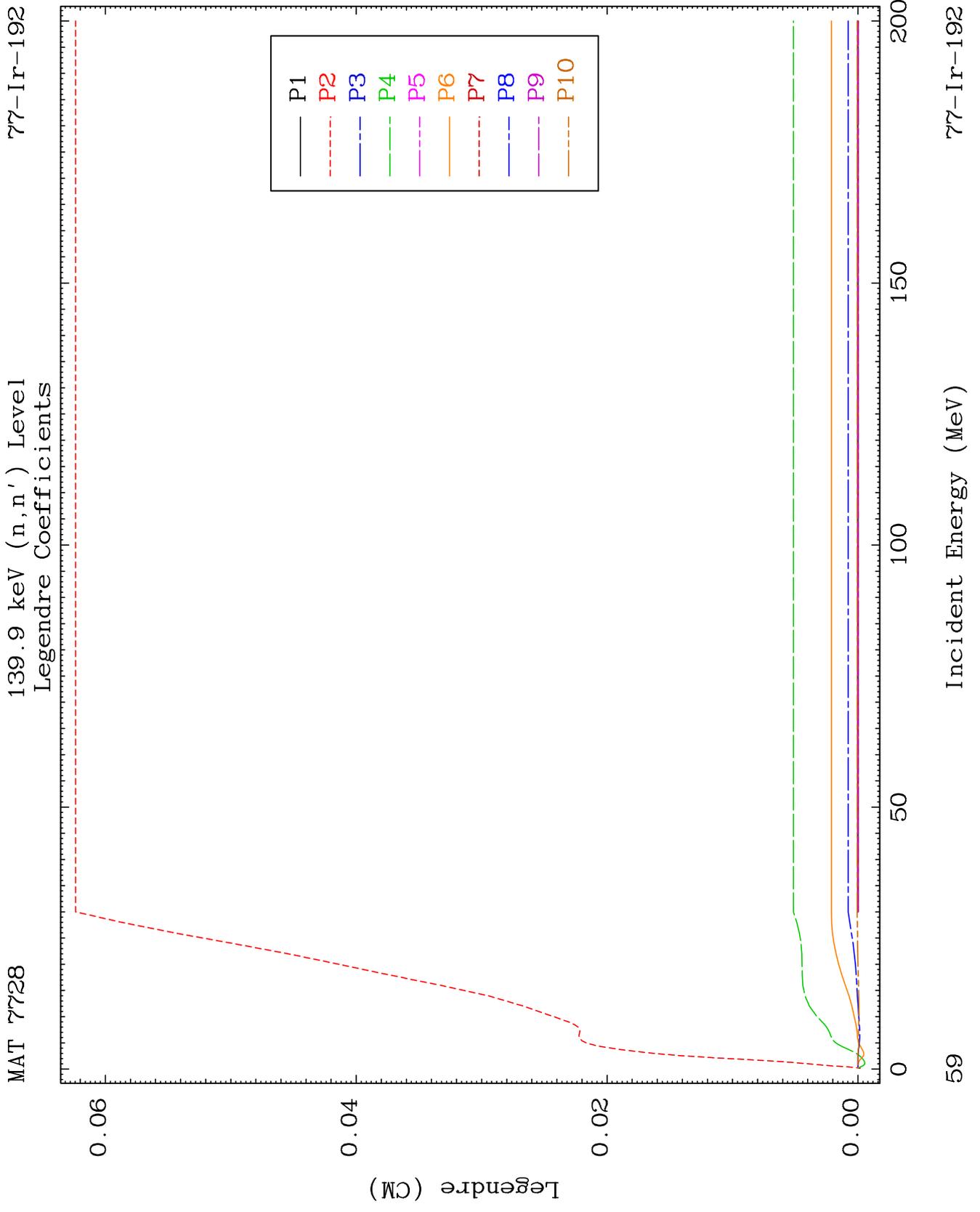


57

Incident Energy (MeV)

77-Ir-192

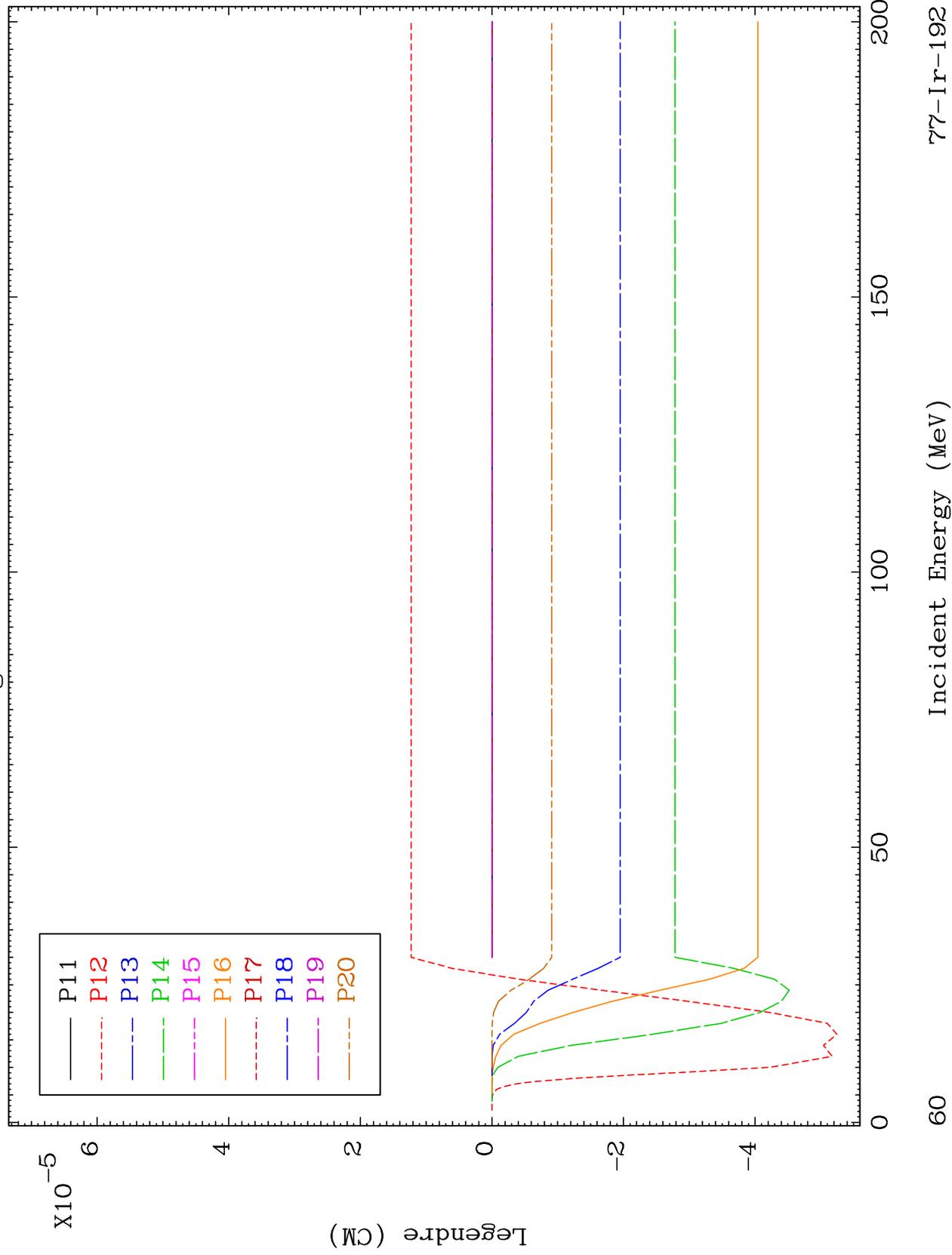




MAT 7728

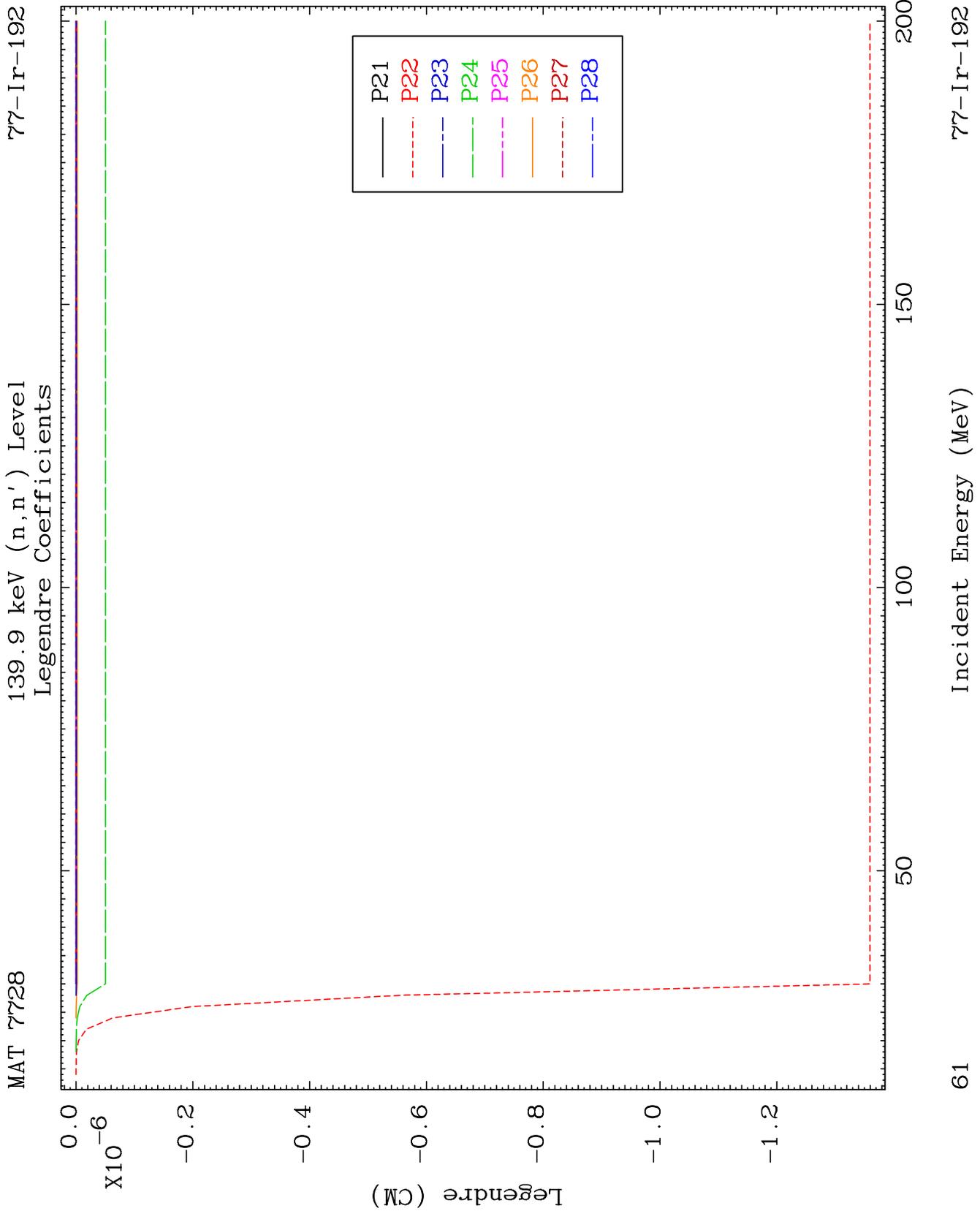
139.9 keV (n,n') Level
Legendre Coefficients

77-Ir-192



77-Ir-192

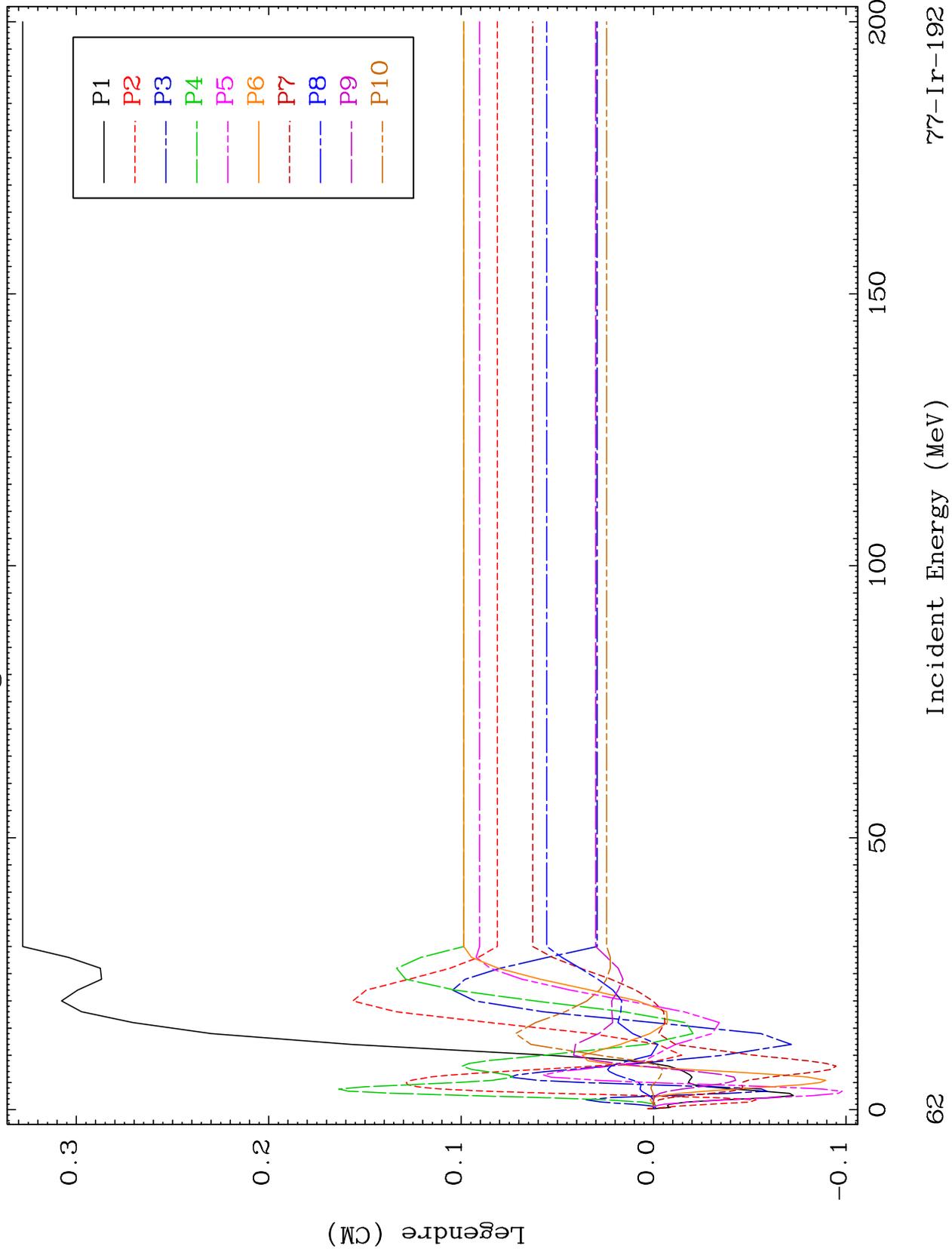
Incident Energy (MeV)



MAT 7728

143.6 keV (n,n') Level
Legendre Coefficients

77-Ir-192



77-Ir-192

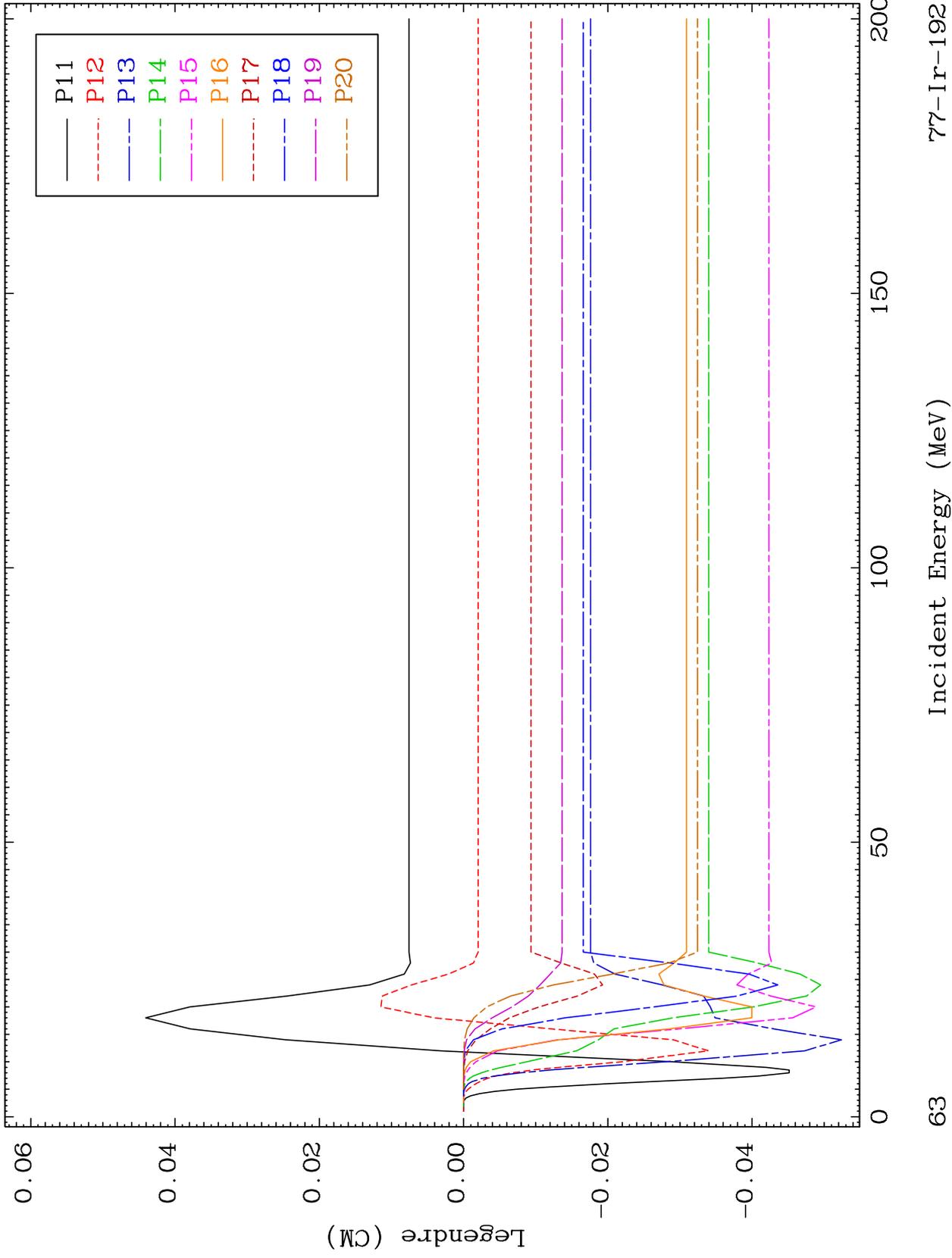
Incident Energy (MeV)

62

MAT 7728

143.6 keV (n,n') Level
Legendre Coefficients

77-Ir-192



77-Ir-192

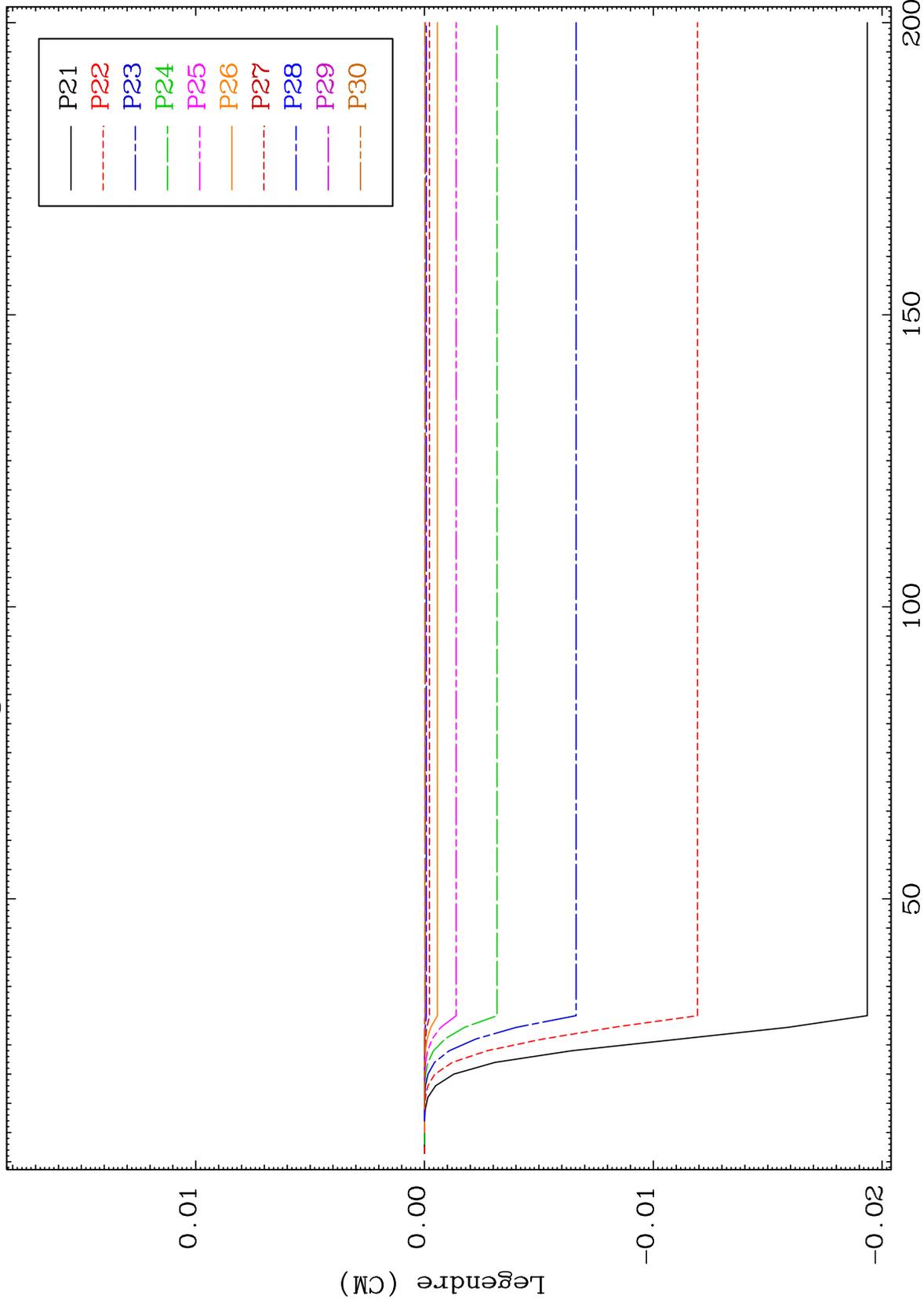
Incident Energy (MeV)

63

MAT 7728

143.6 keV (n,n') Level
Legendre Coefficients

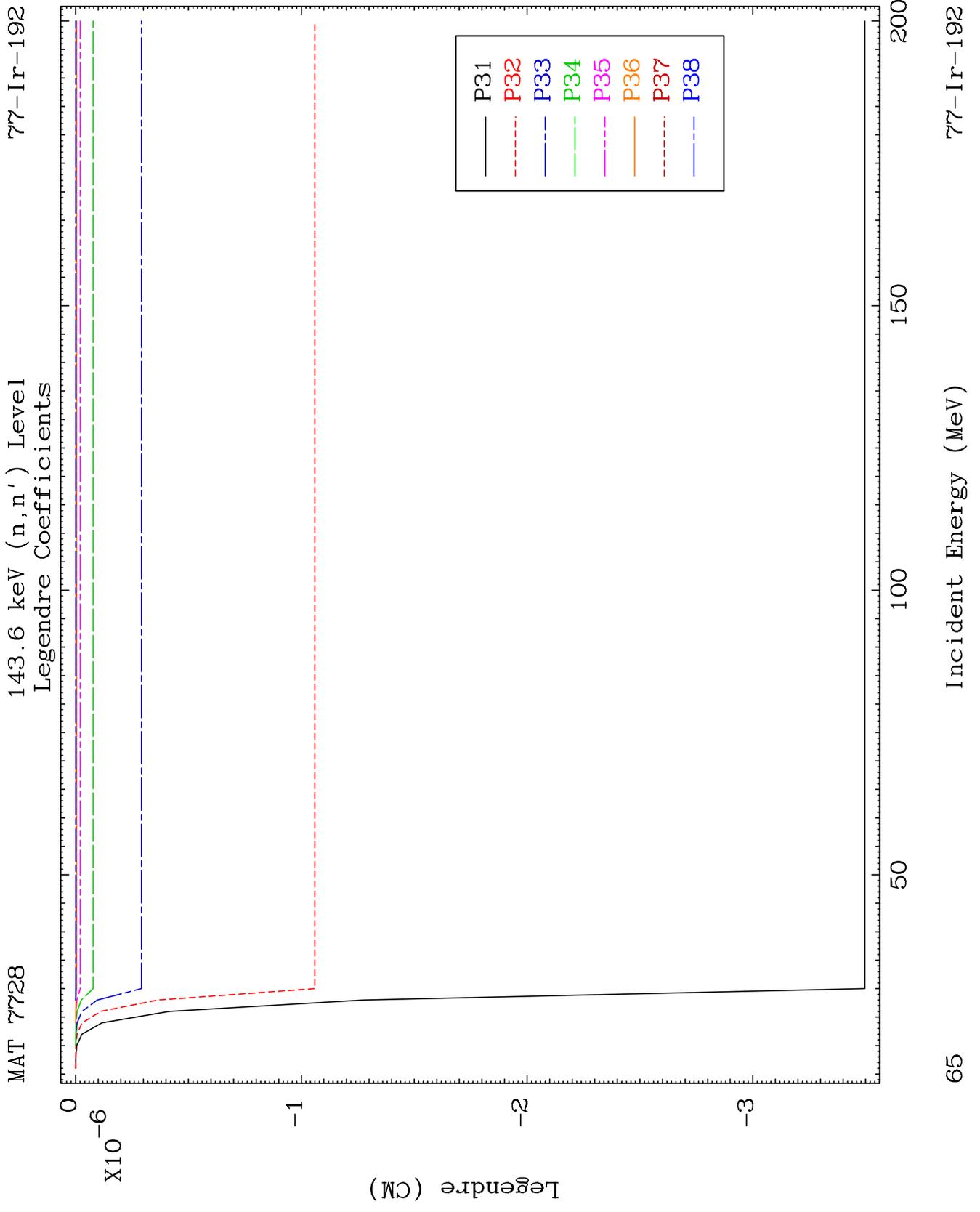
77-Ir-192



64

Incident Energy (MeV)

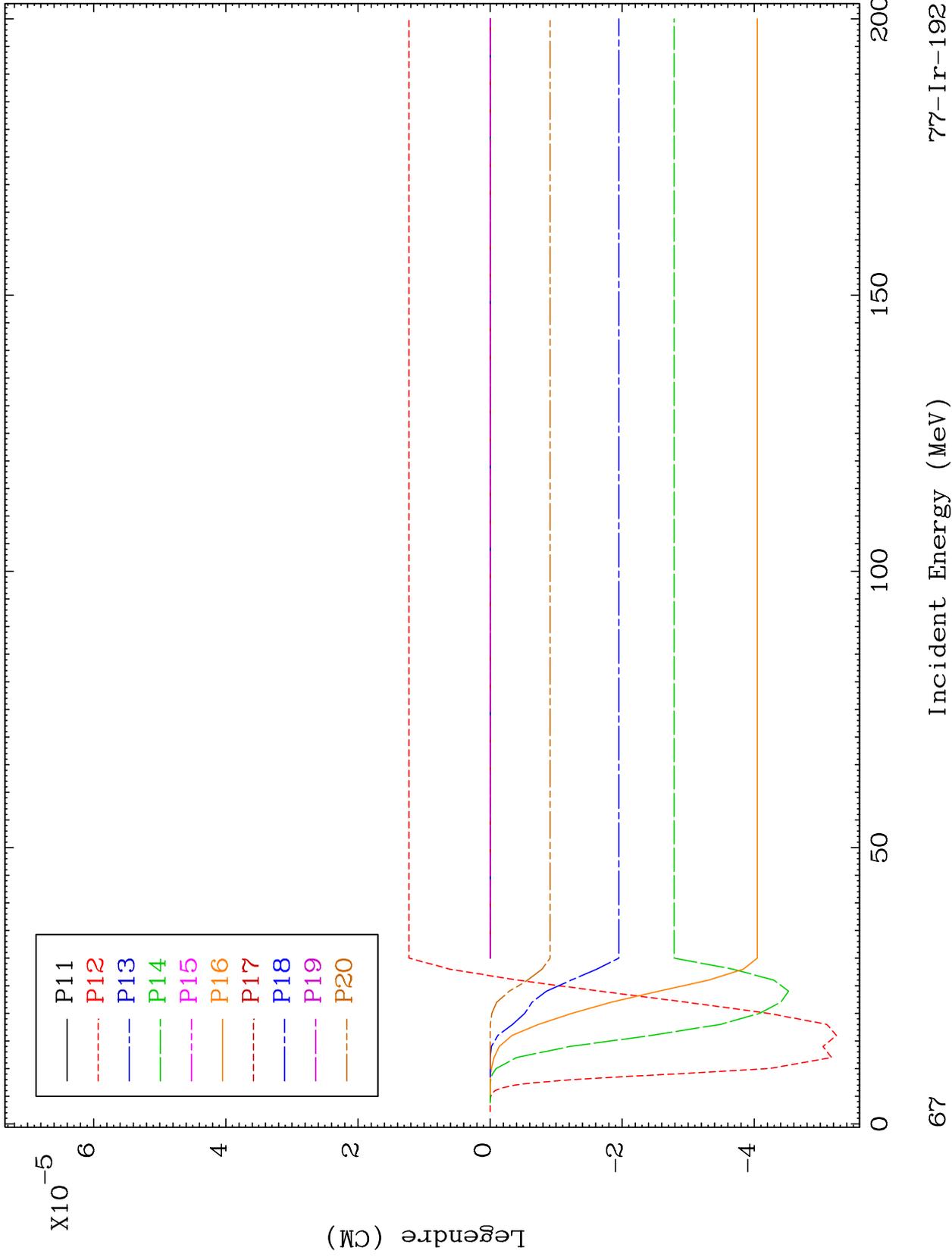
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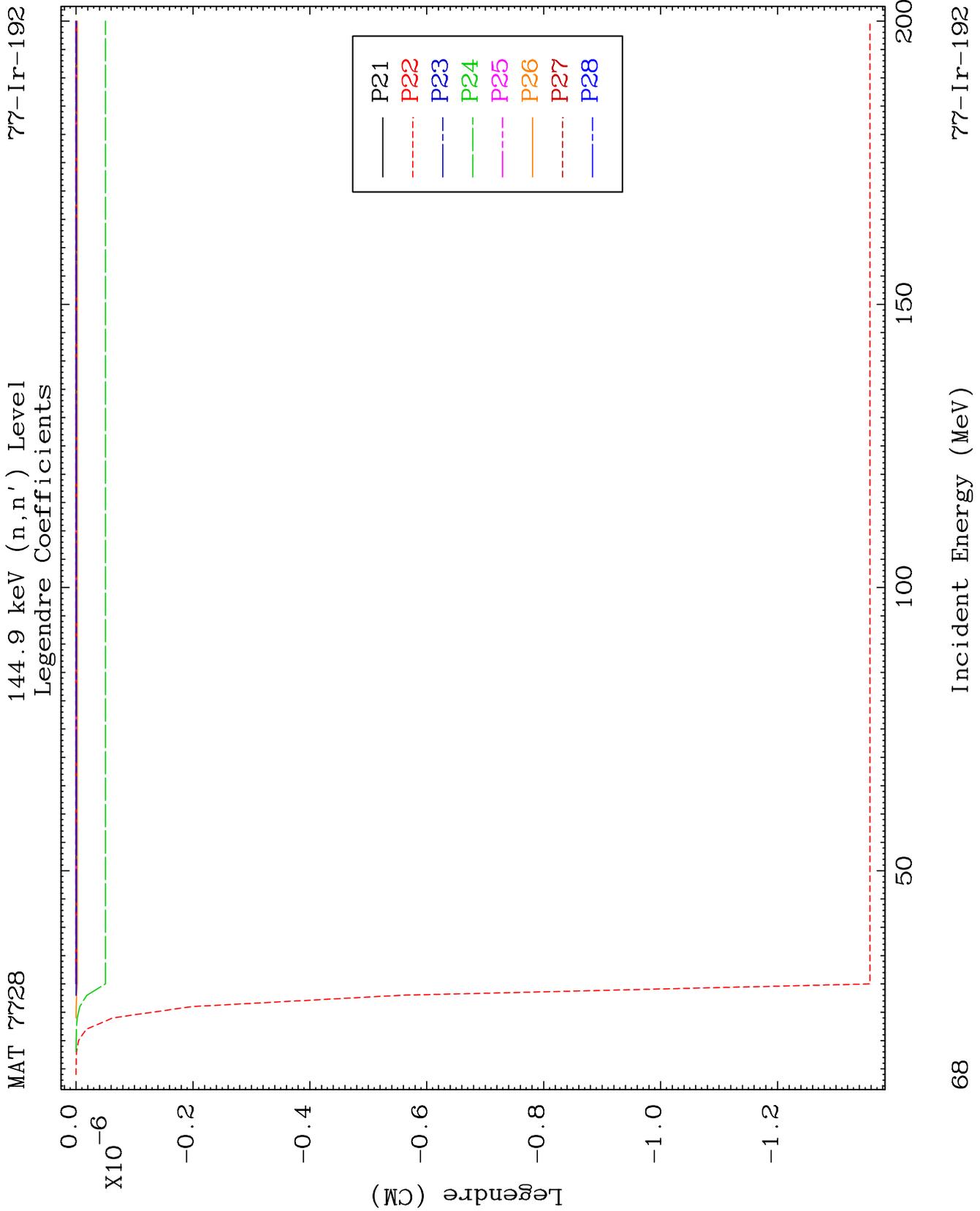


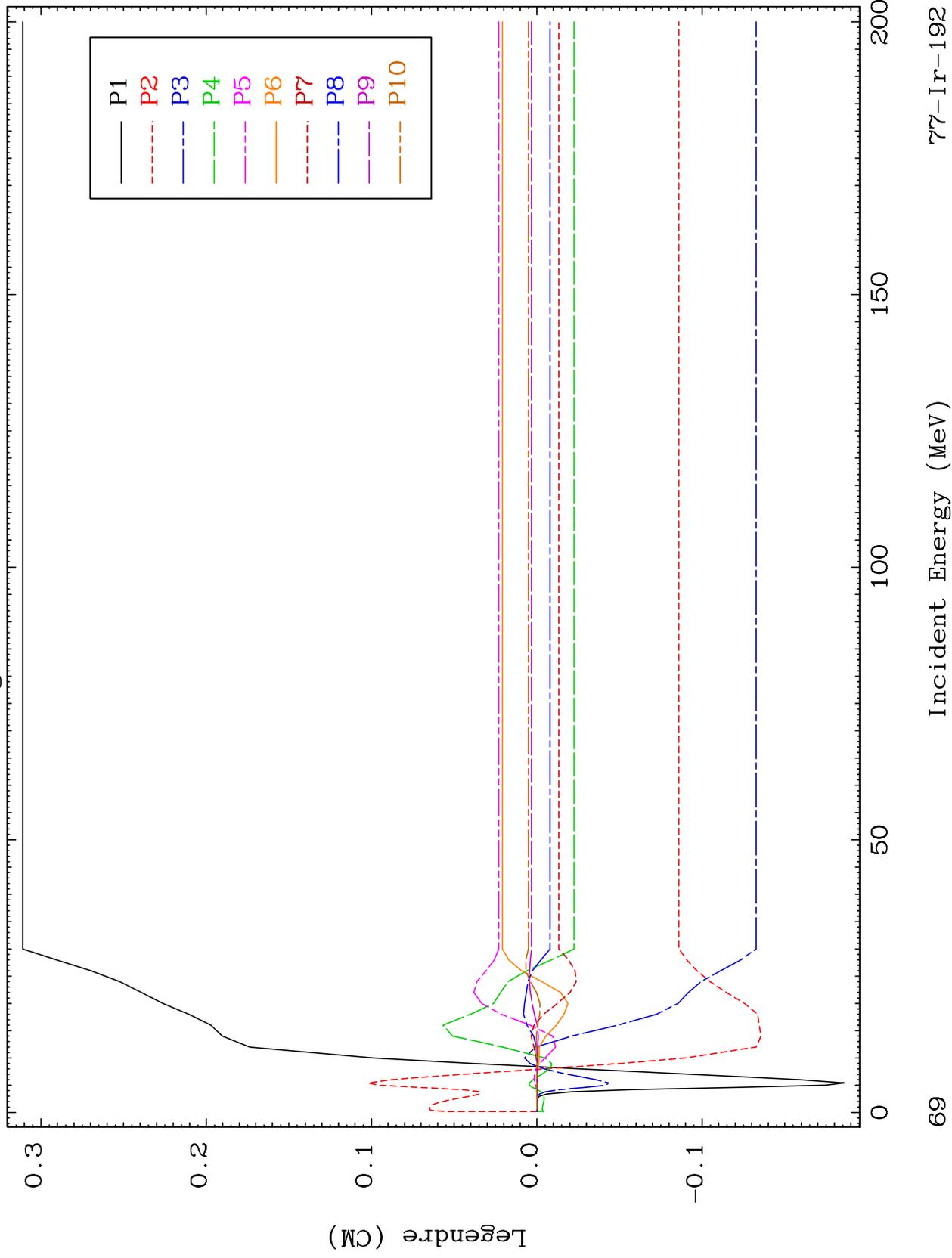
MAT 7728

144.9 keV (n,n') Level
Legendre Coefficients

77-Ir-192



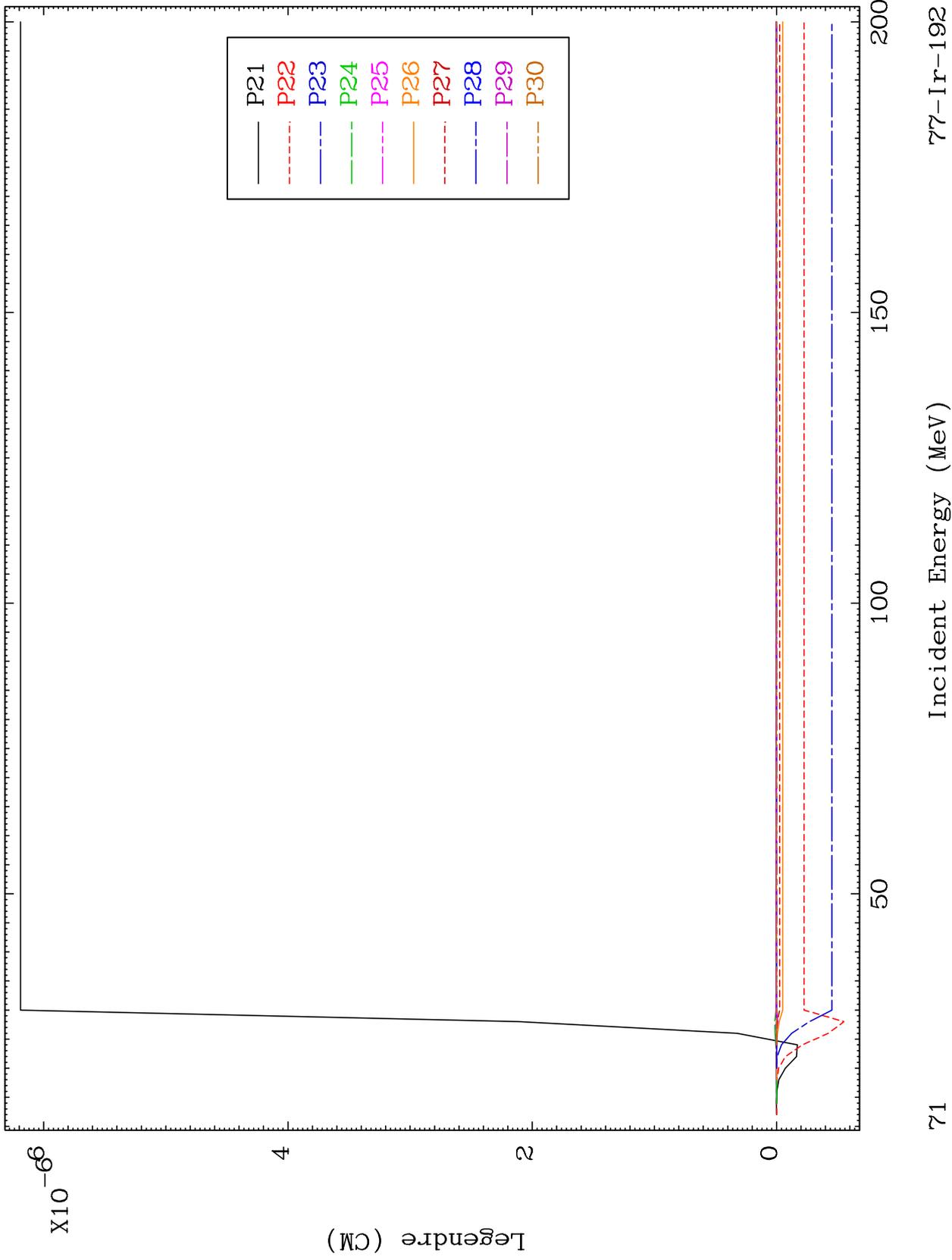




MAT 7728

168.1 keV (n,n') Level
Legendre Coefficients

77-Ir-192



71

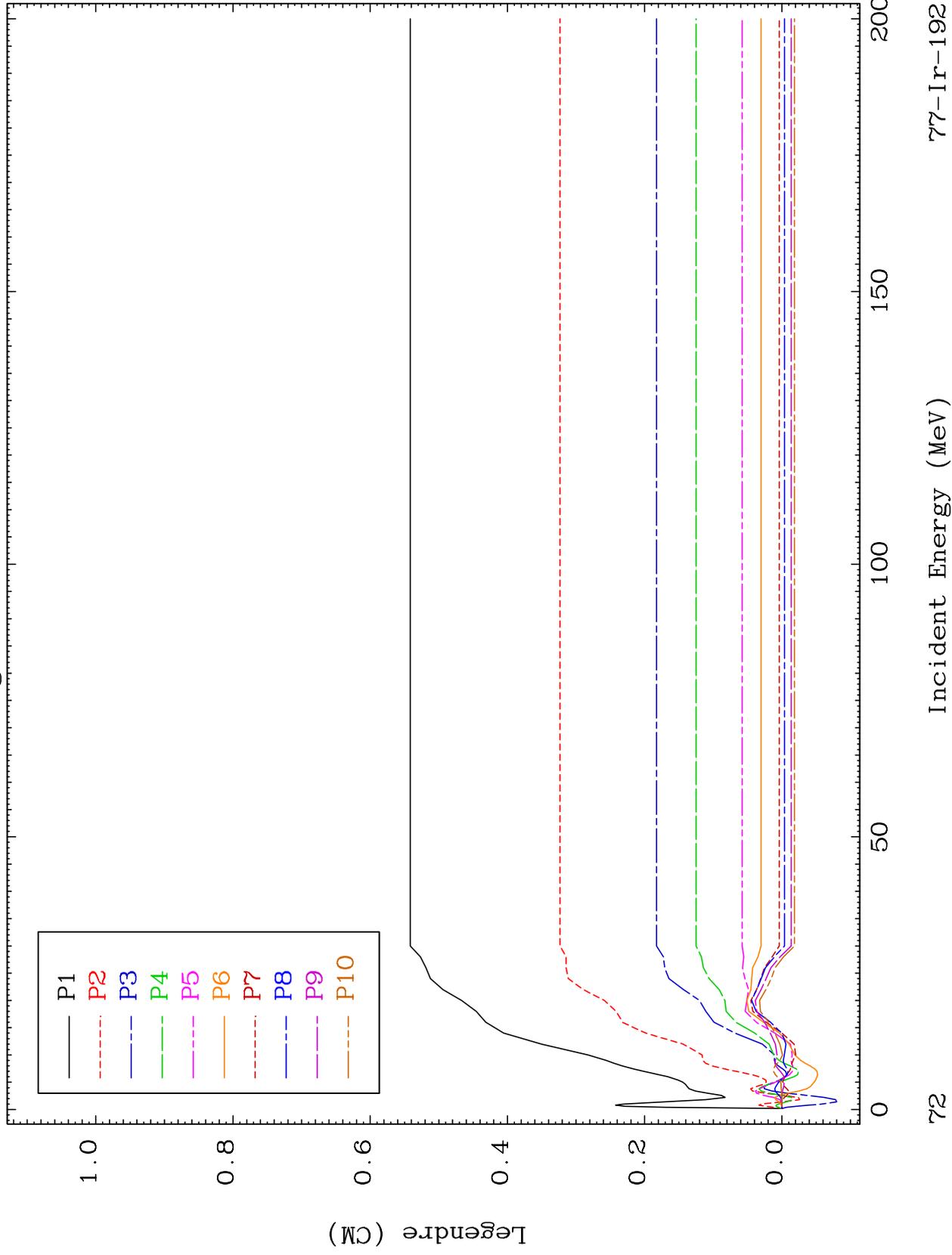
Incident Energy (MeV)

77-Ir-192

MAT 7728

173.2 keV (n, n') Level
Legendre Coefficients

77-Ir-192



77-Ir-192

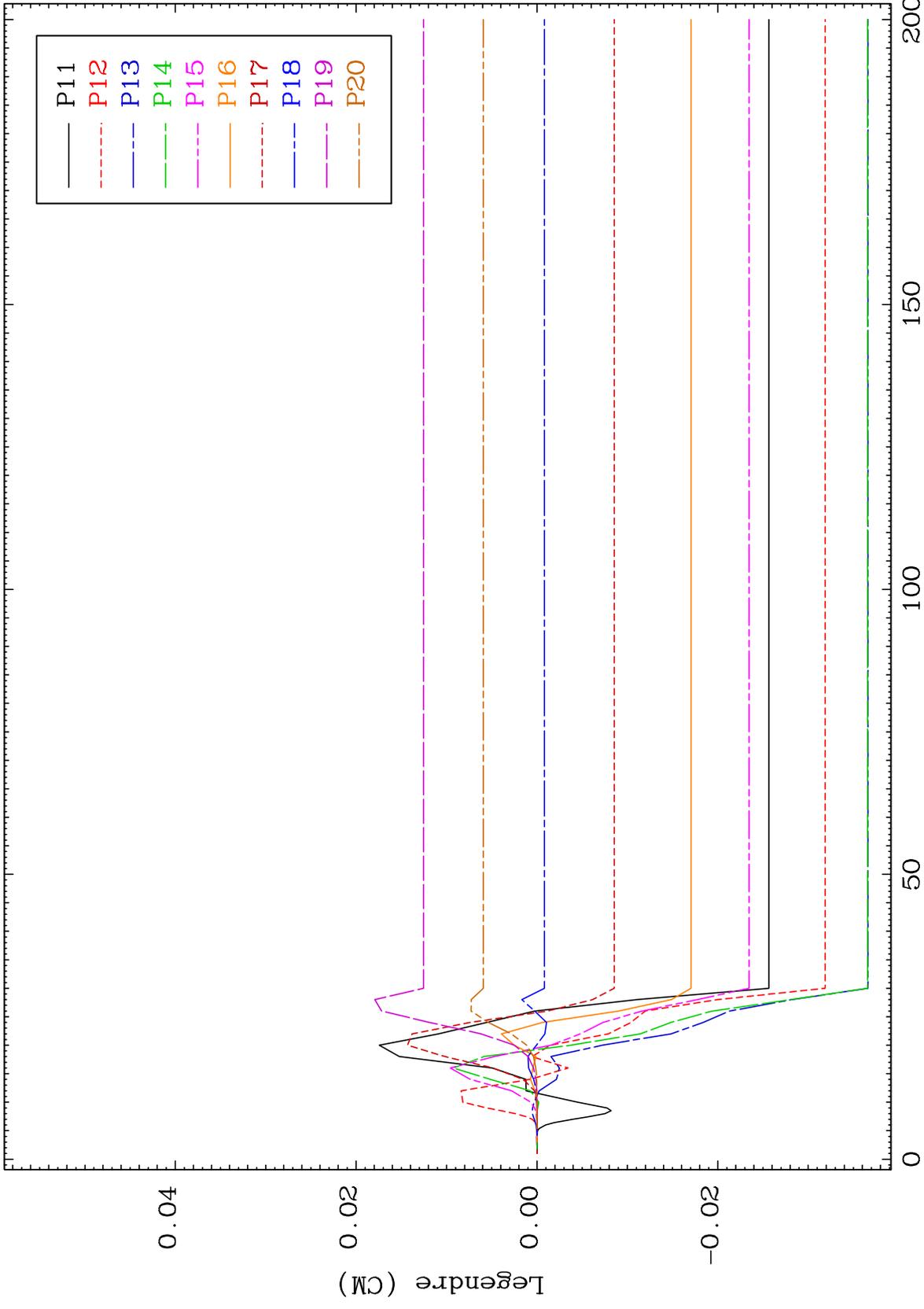
Incident Energy (MeV)

72

MAT 7728

173.2 keV (n,n') Level
Legendre Coefficients

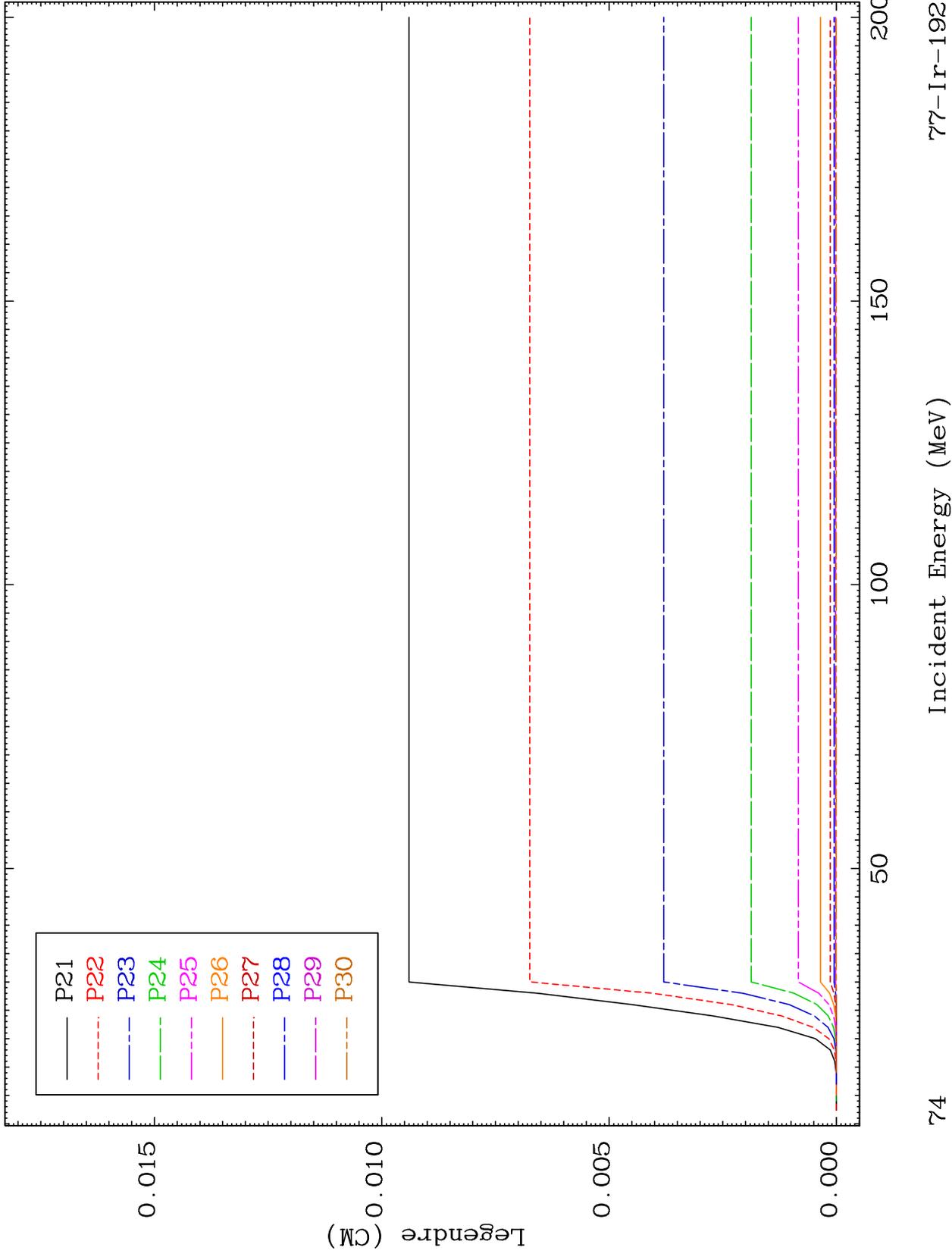
77-Ir-192



73

Incident Energy (MeV)

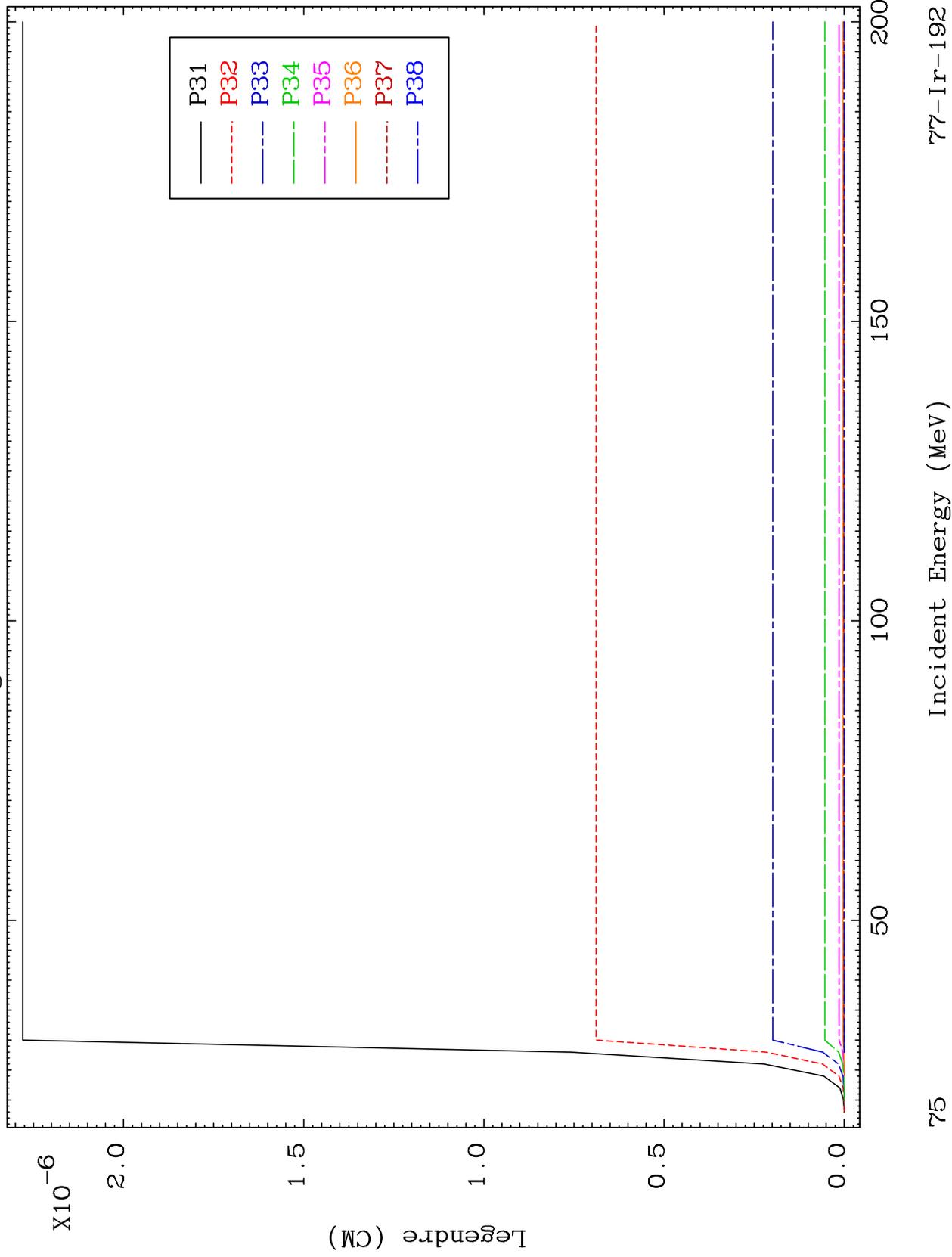
77-Ir-192



MAT 7728

173.2 keV (n,n') Level
Legendre Coefficients

77-Ir-192



75

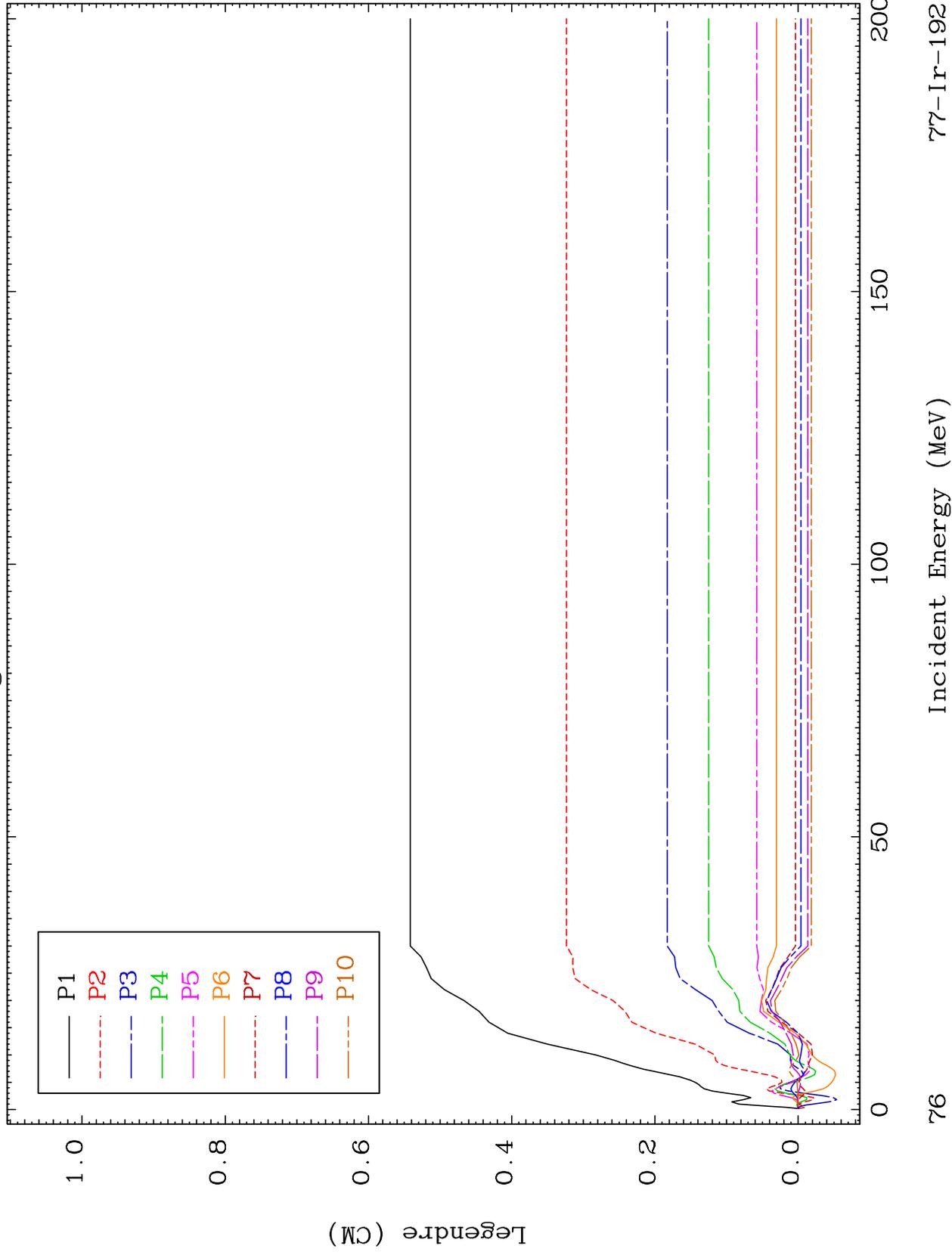
Incident Energy (MeV)

77-Ir-192

MAT 7728

178.0 keV (n,n') Level
Legendre Coefficients

77-Ir-192

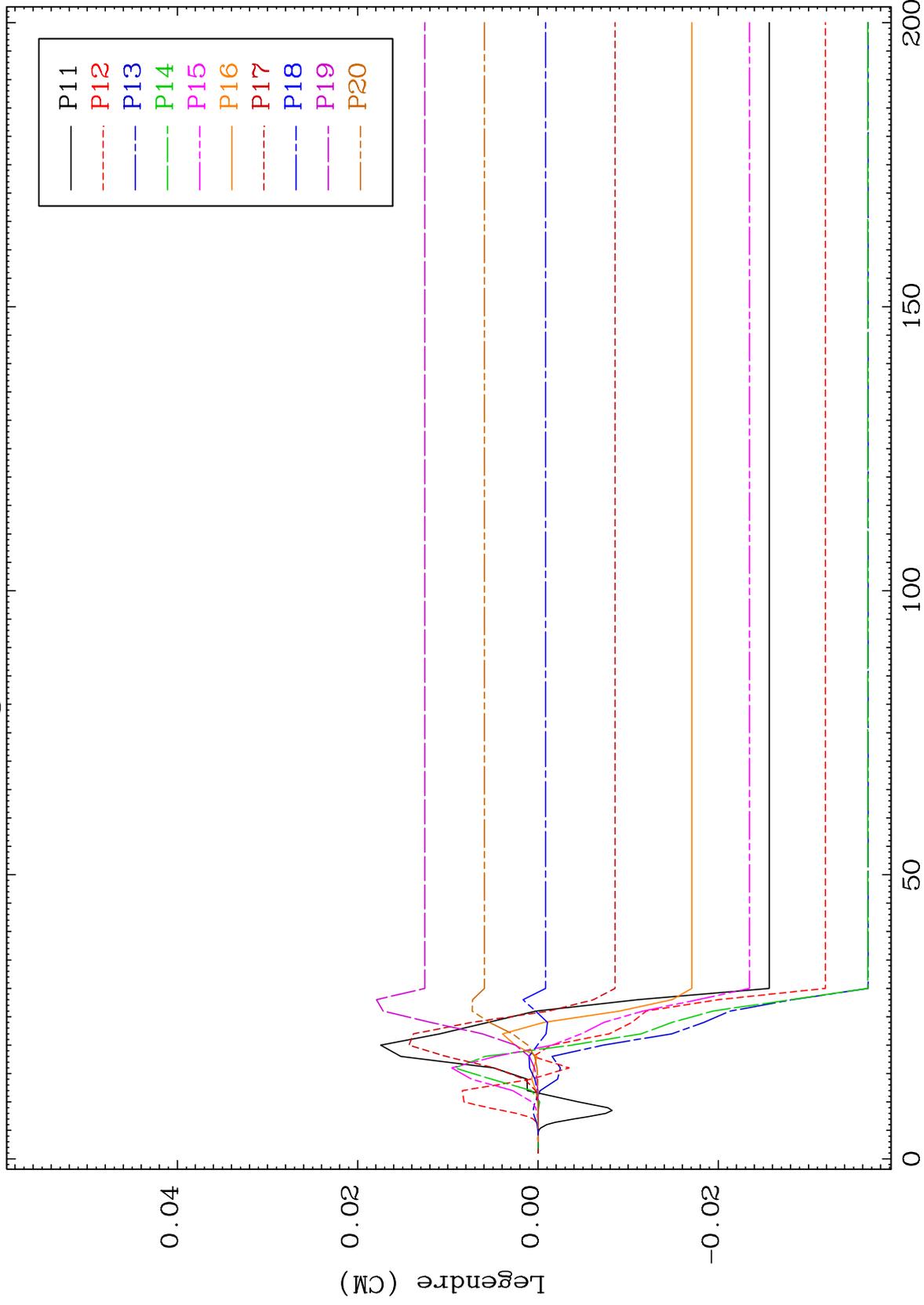


76

MAT 7728

178.0 keV (n,n') Level
Legendre Coefficients

77-Ir-192



77

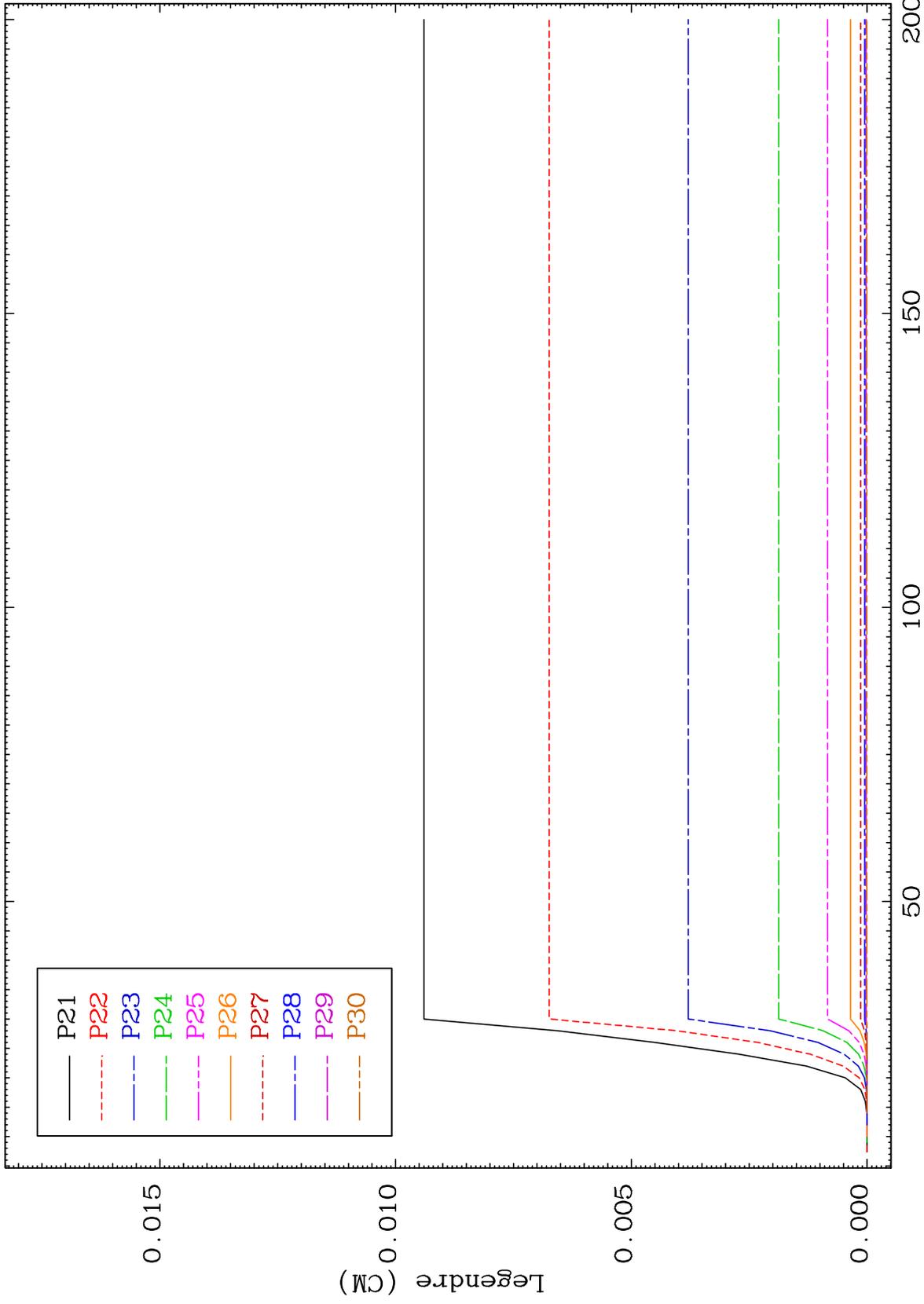
Incident Energy (MeV)

77-Ir-192

MAT 7728

178.0 keV (n,n') Level
Legendre Coefficients

77-Ir-192



78

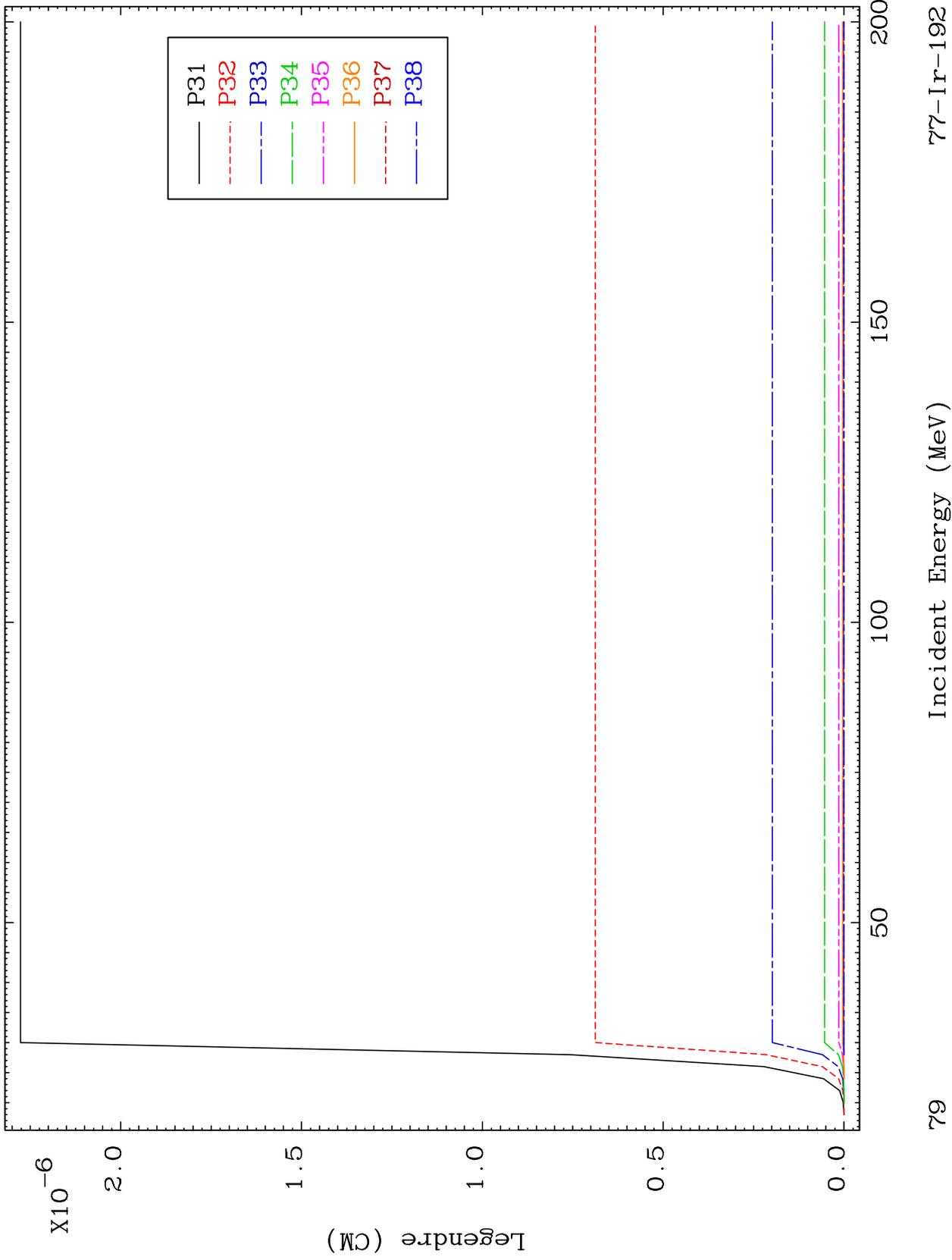
Incident Energy (MeV)

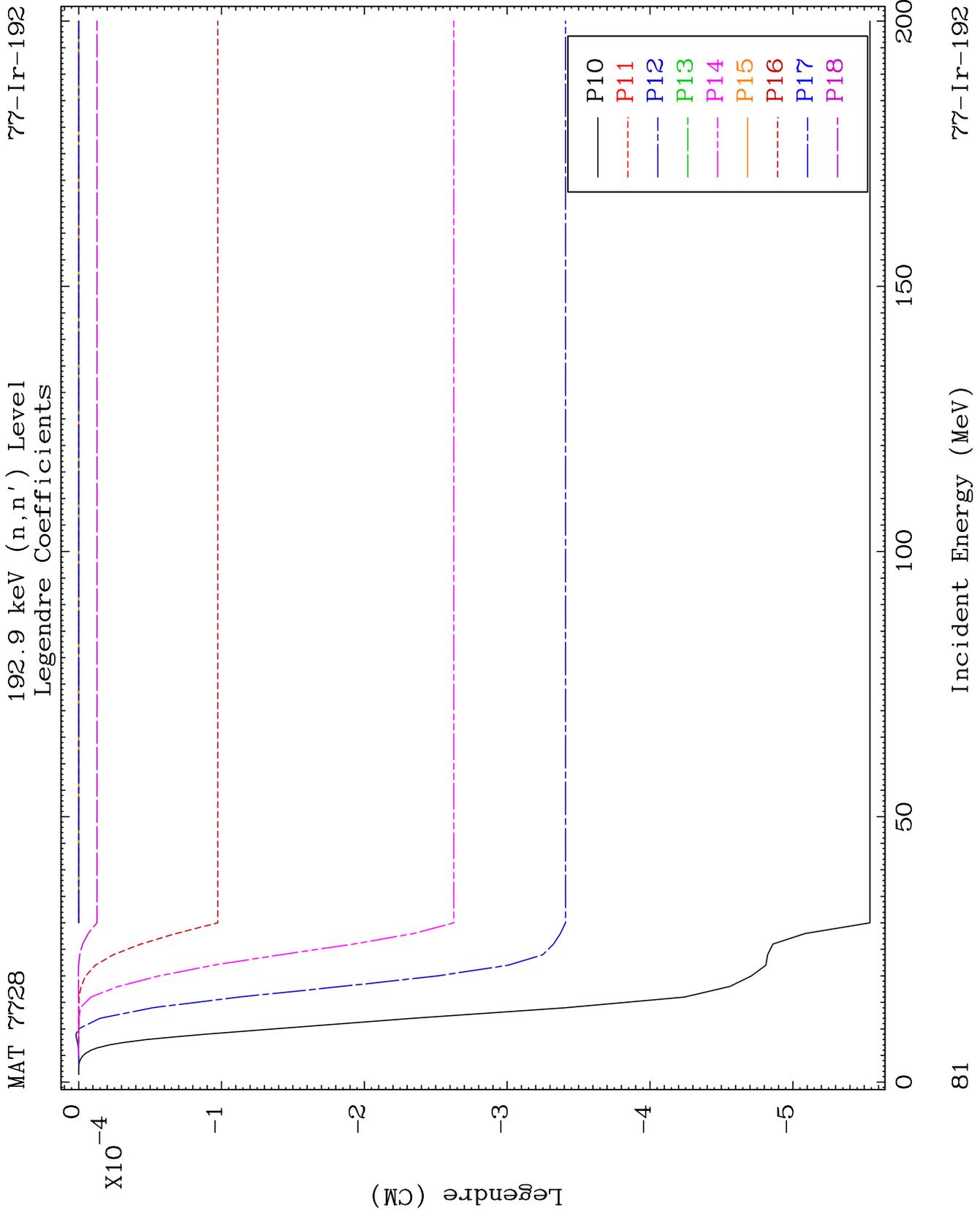
77-Ir-192

MAT 7728

178.0 keV (n,n') Level
Legendre Coefficients

77-Ir-192

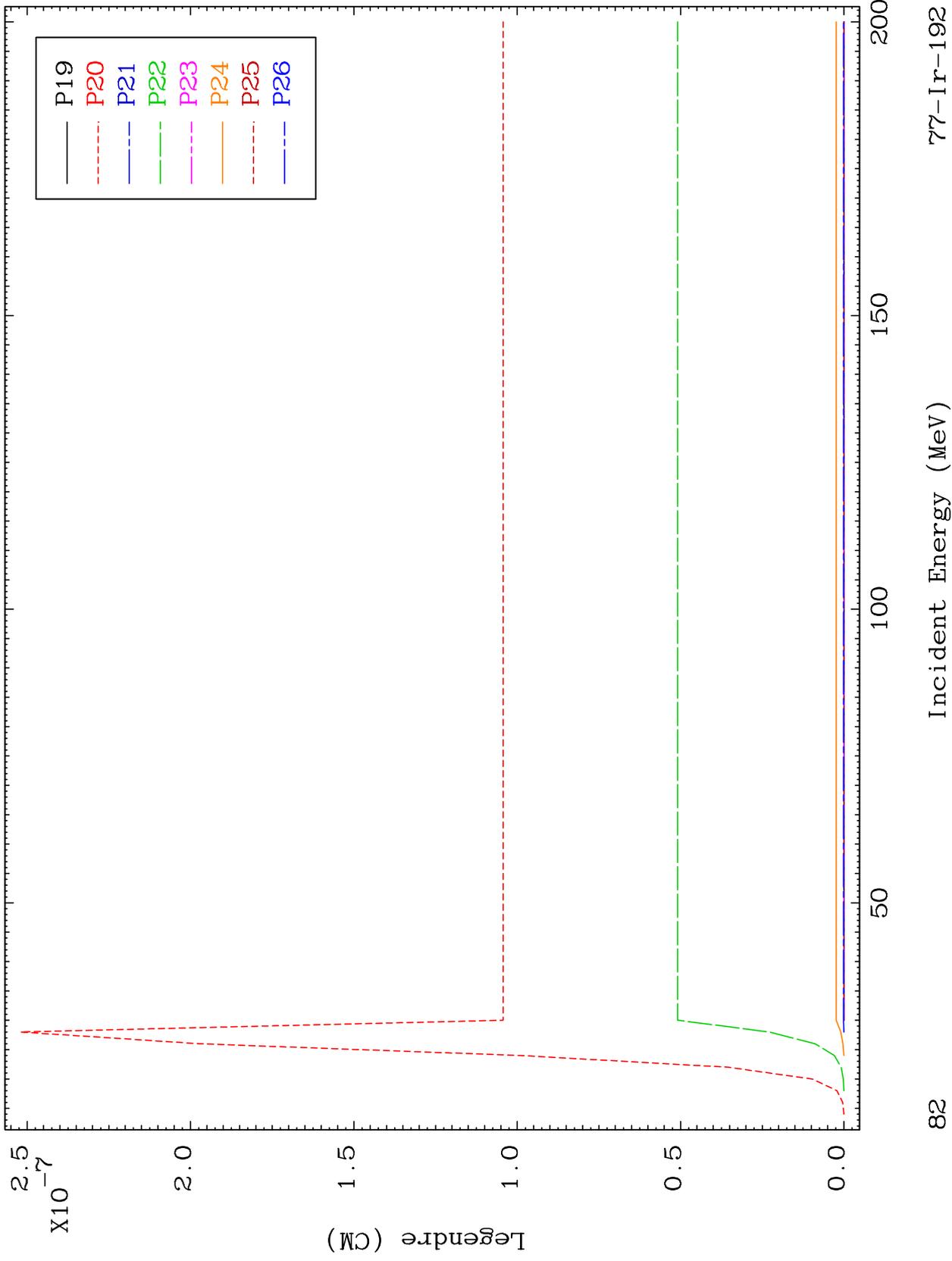




MAT 7728

192.9 keV (n,n') Level
Legendre Coefficients

77-Ir-192

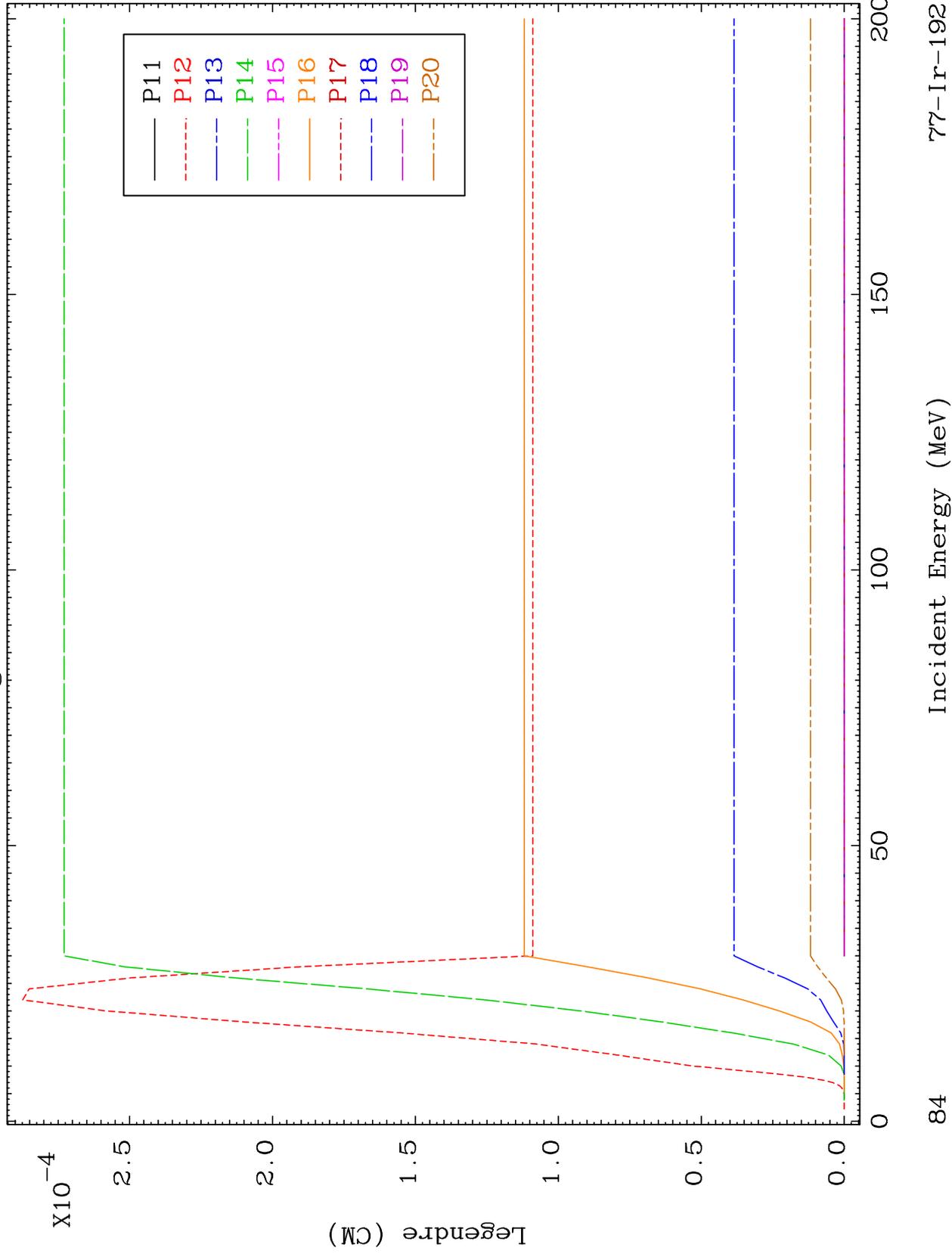


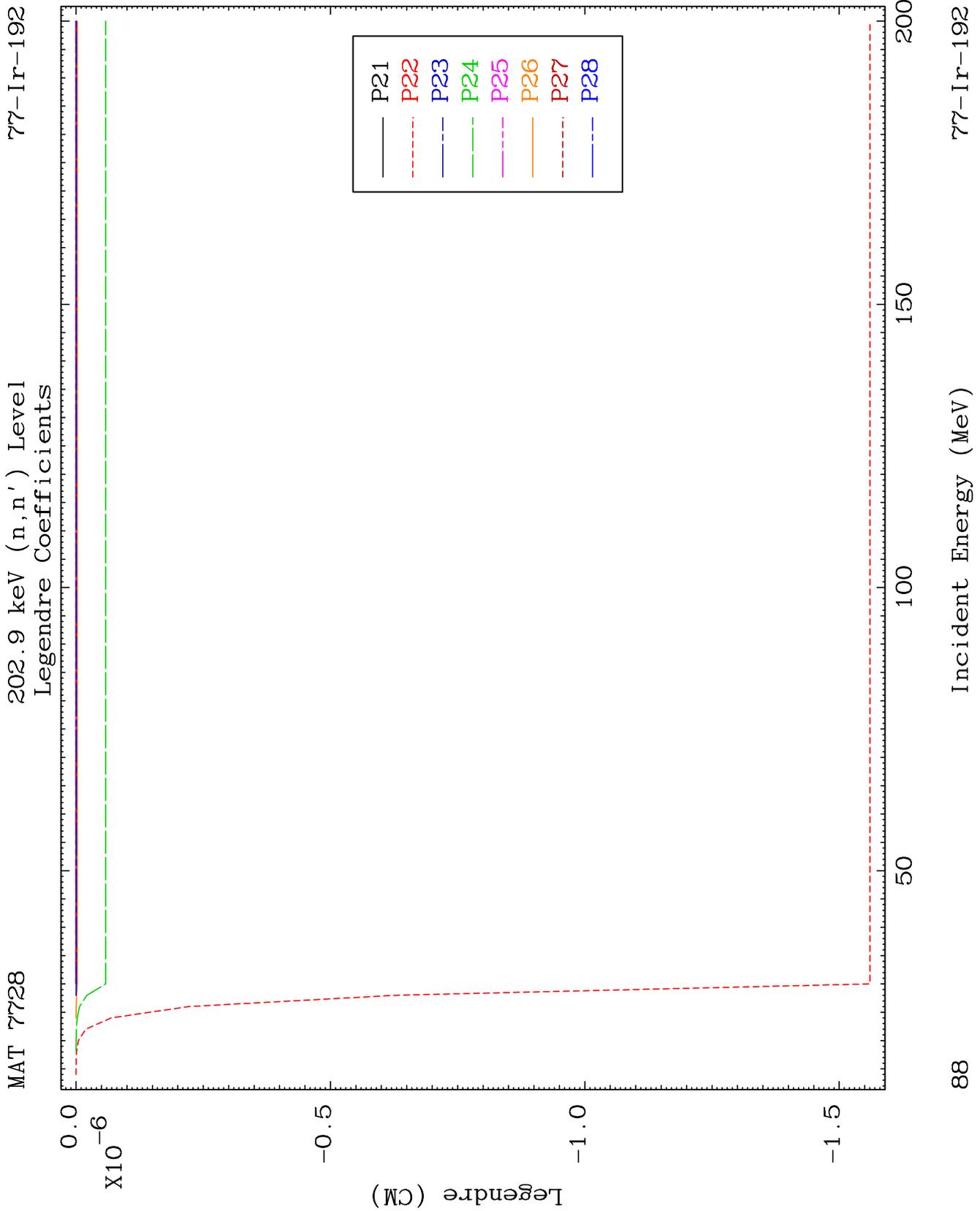
82

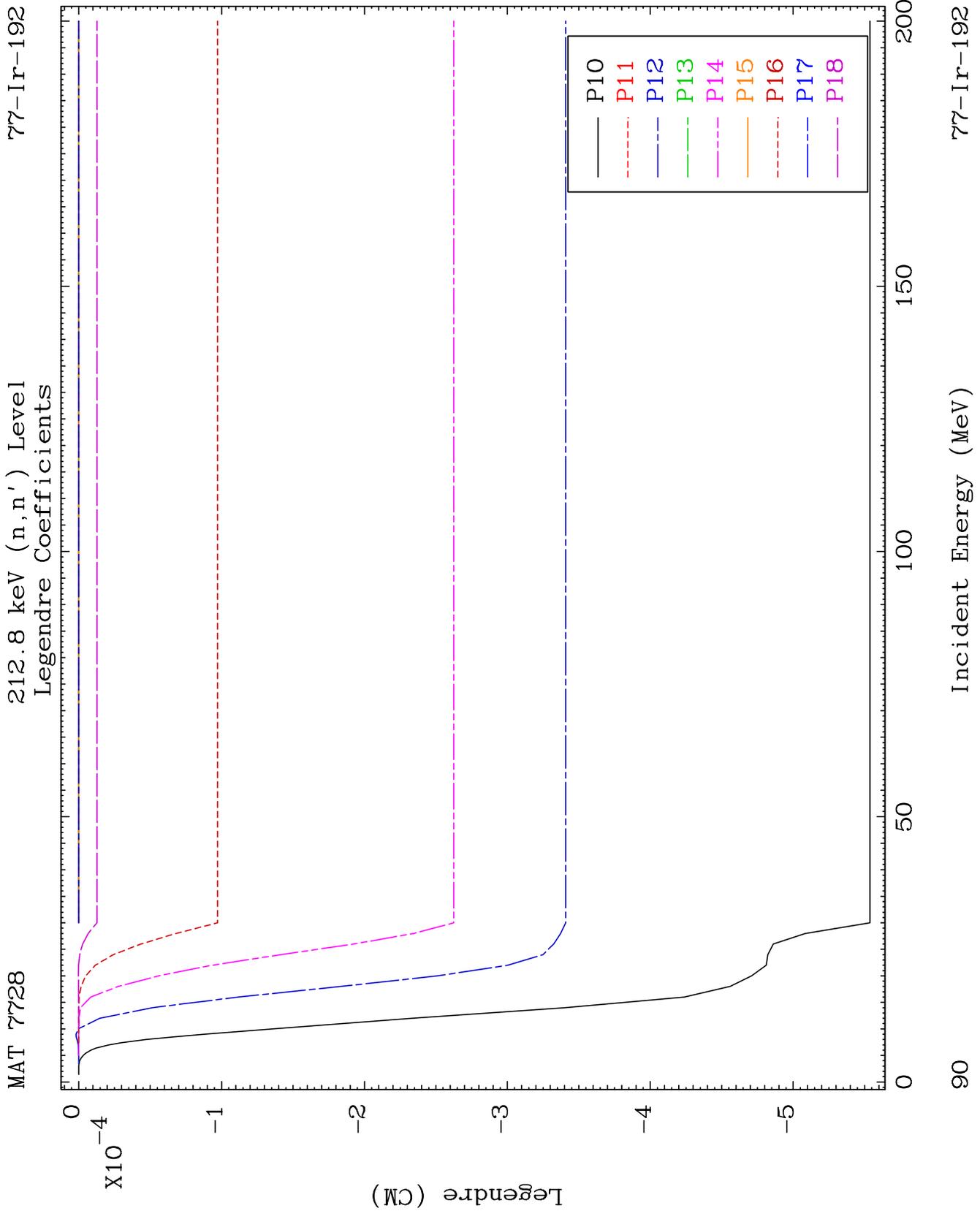
MAT 7728

198.2 keV (n,n') Level
Legendre Coefficients

77-Ir-192



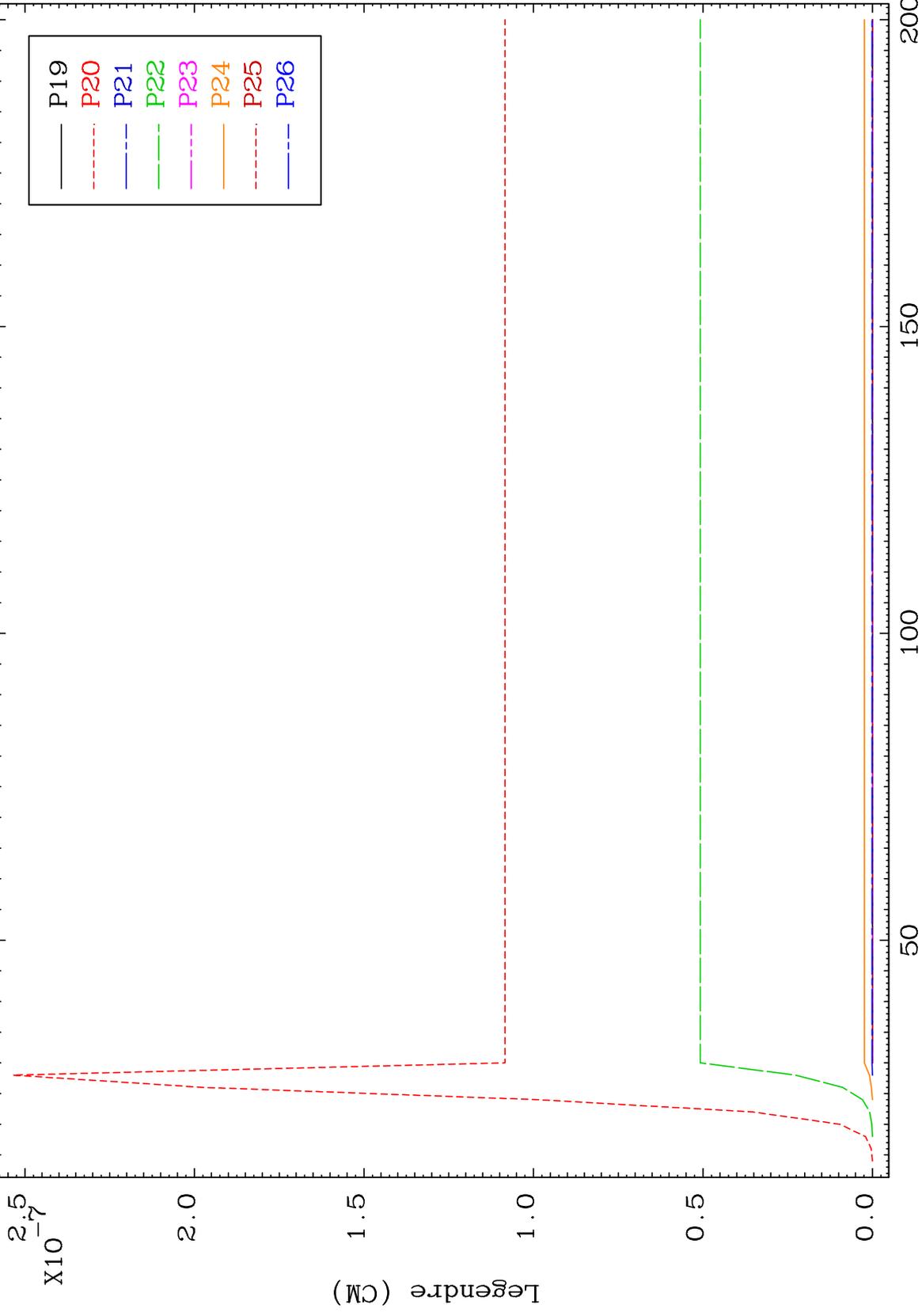




MAT 7728

212.8 keV (n,n') Level
Legendre Coefficients

77-Ir-192



91

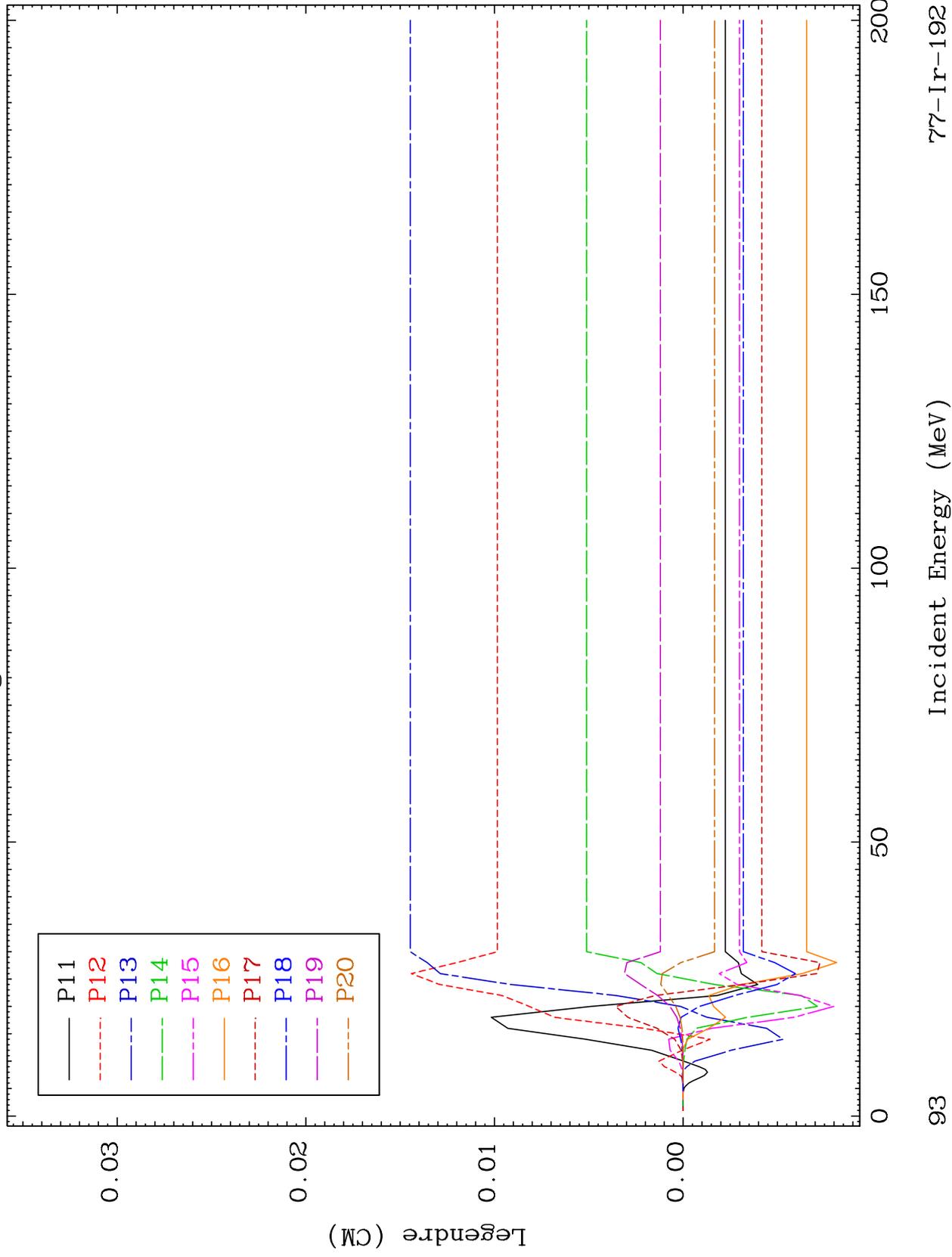
Incident Energy (MeV)

77-Ir-192

MAT 7728

216.9 keV (n,n') Level
Legendre Coefficients

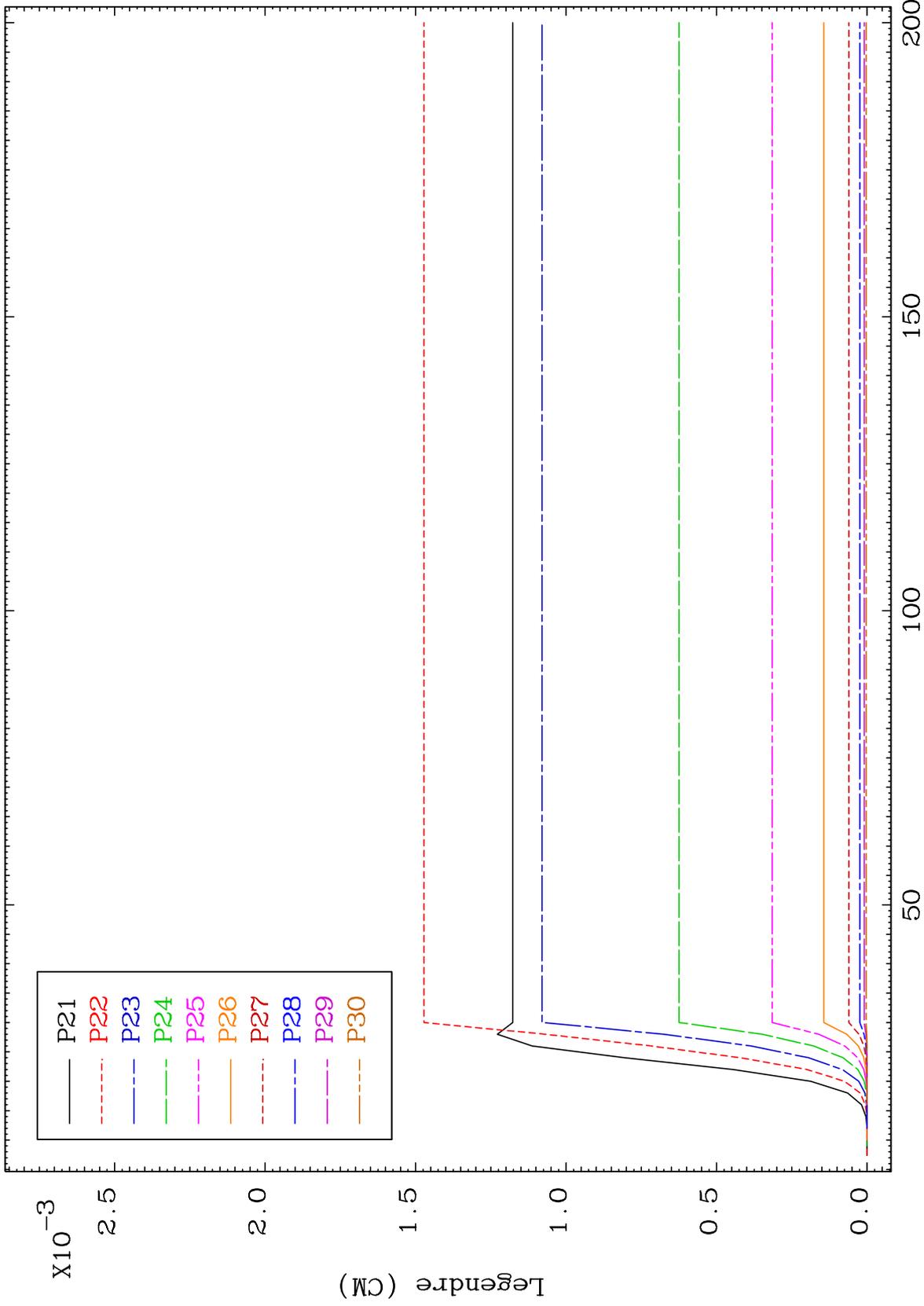
77-Ir-192



93

Incident Energy (MeV)

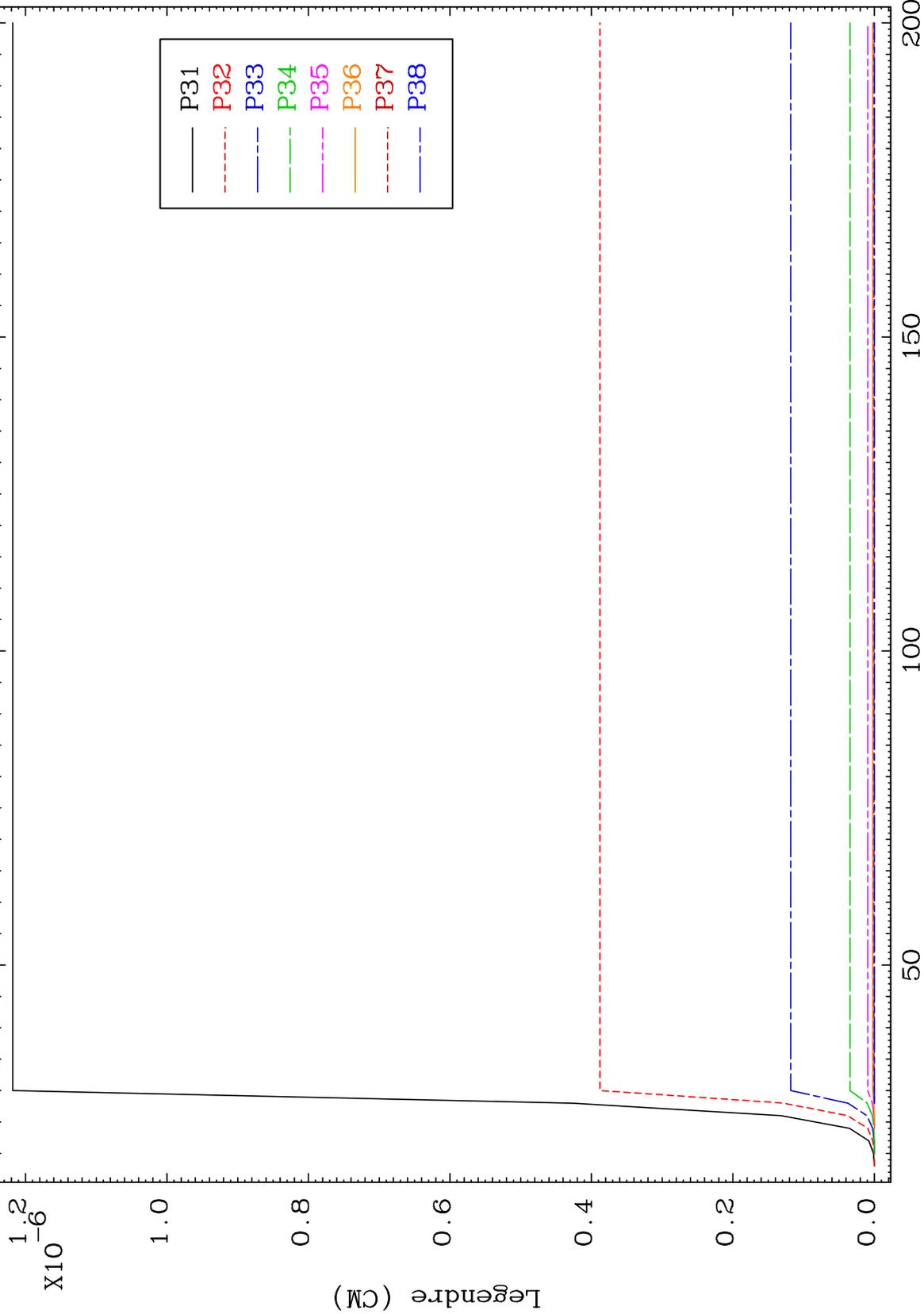
77-Ir-192



MAT 7728

216.9 keV (n,n') Level
Legendre Coefficients

77-Ir-192



95

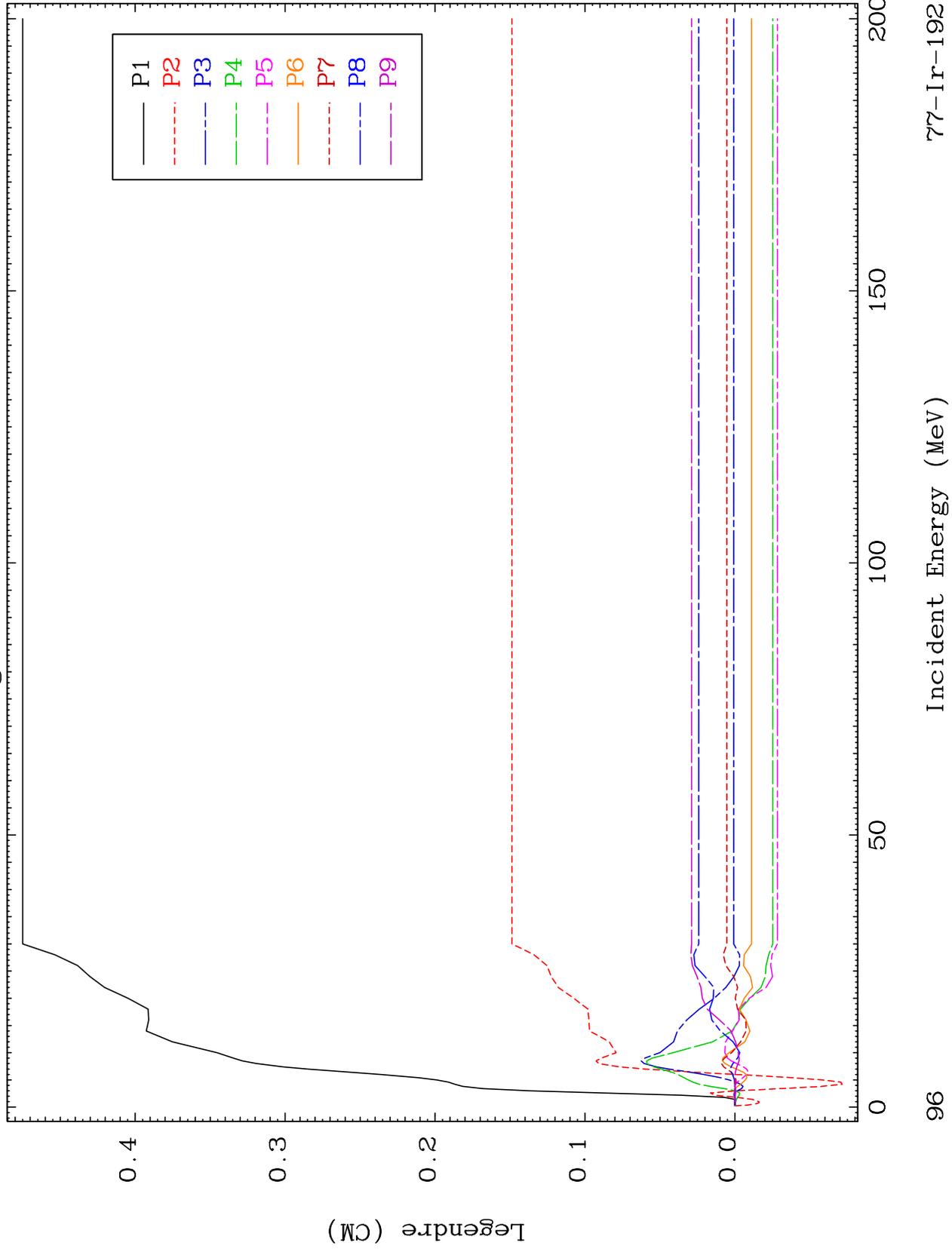
Incident Energy (MeV)

77-Ir-192

MAT 7728

223.4 keV (n,n') Level
Legendre Coefficients

77-Ir-192



77-Ir-192

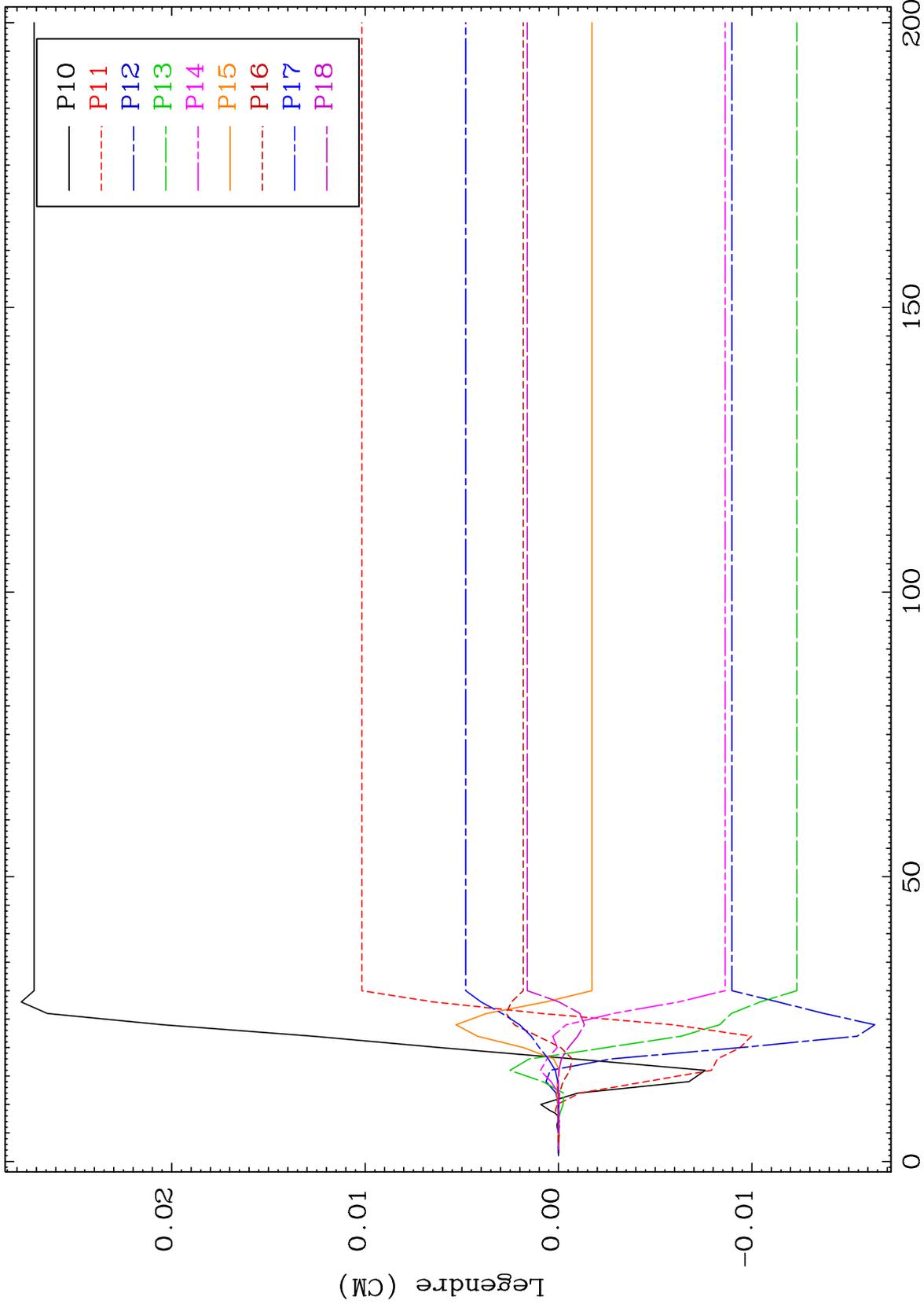
Incident Energy (MeV)

96

MAT 7728

223.4 keV (n,n') Level
Legendre Coefficients

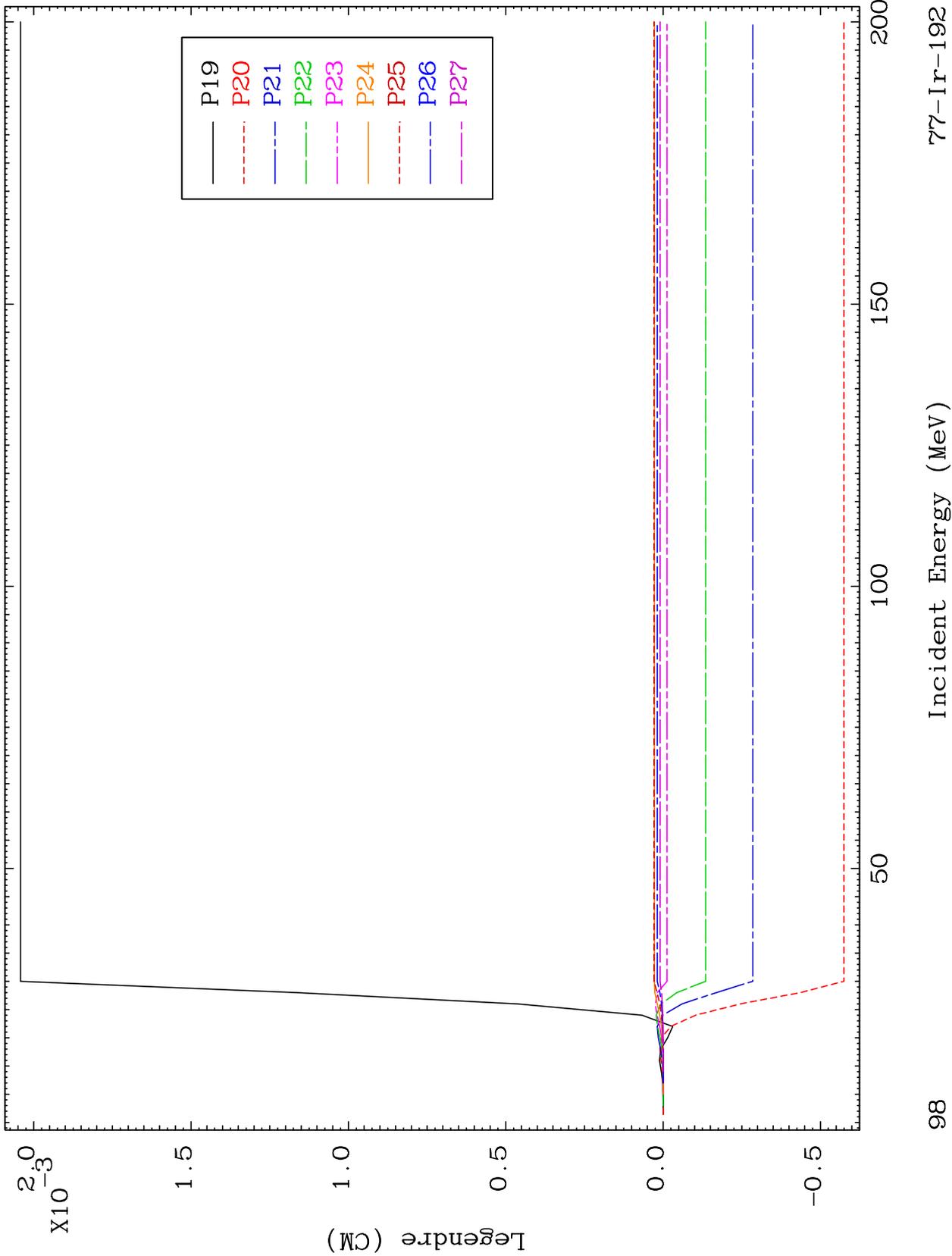
77-Ir-192



97

Incident Energy (MeV)

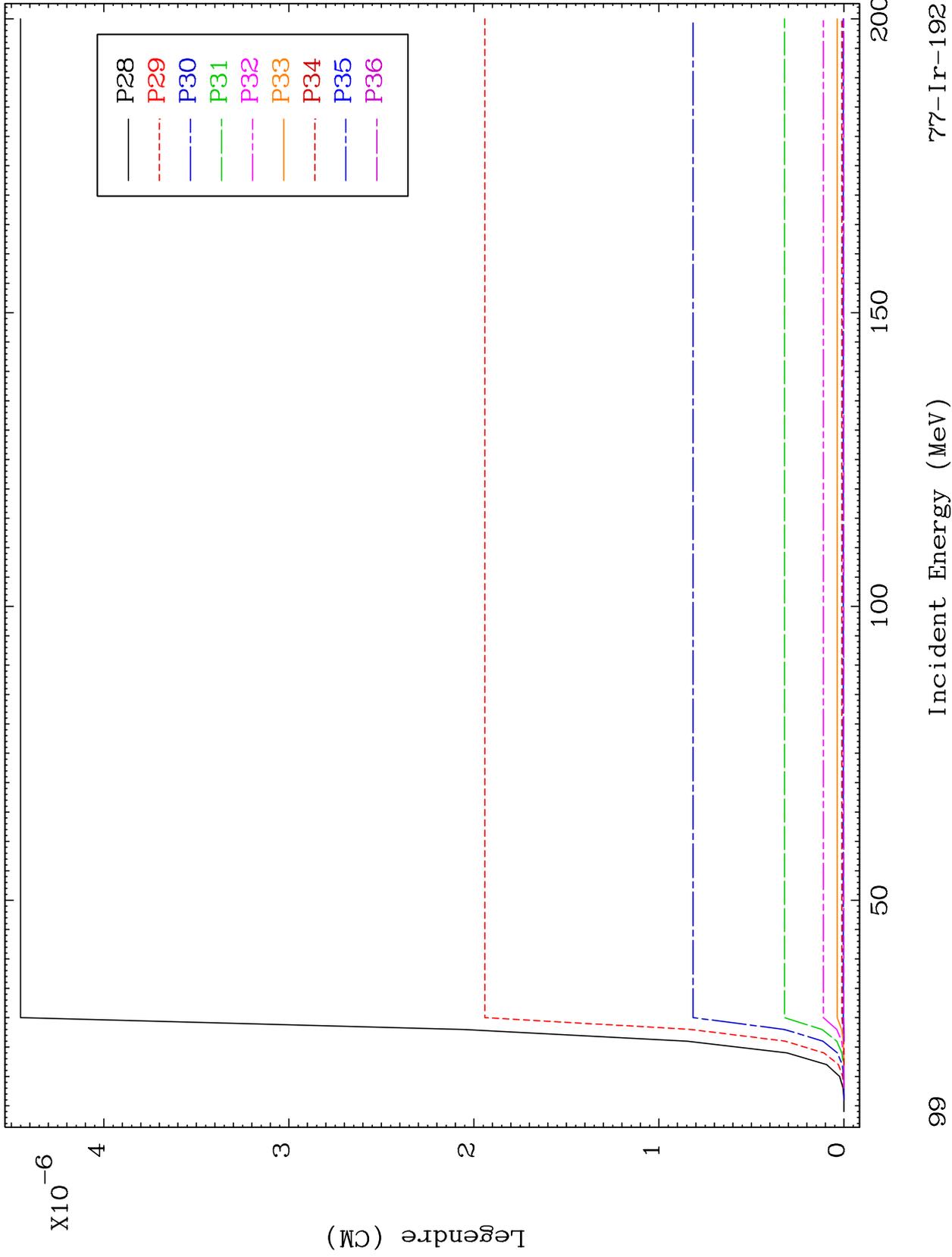
77-Ir-192



MAT 7728

223.4 keV (n,n') Level
Legendre Coefficients

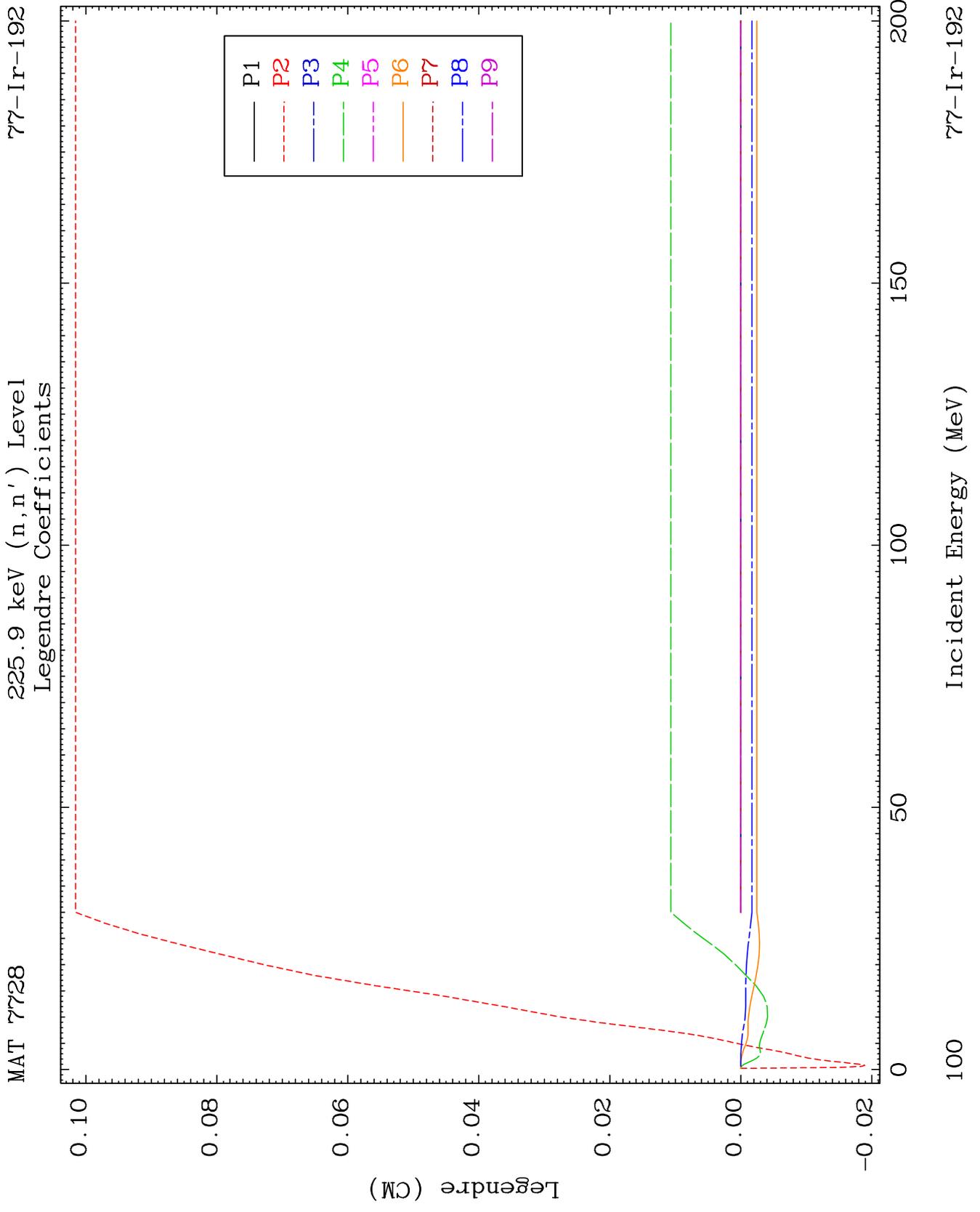
77-Ir-192

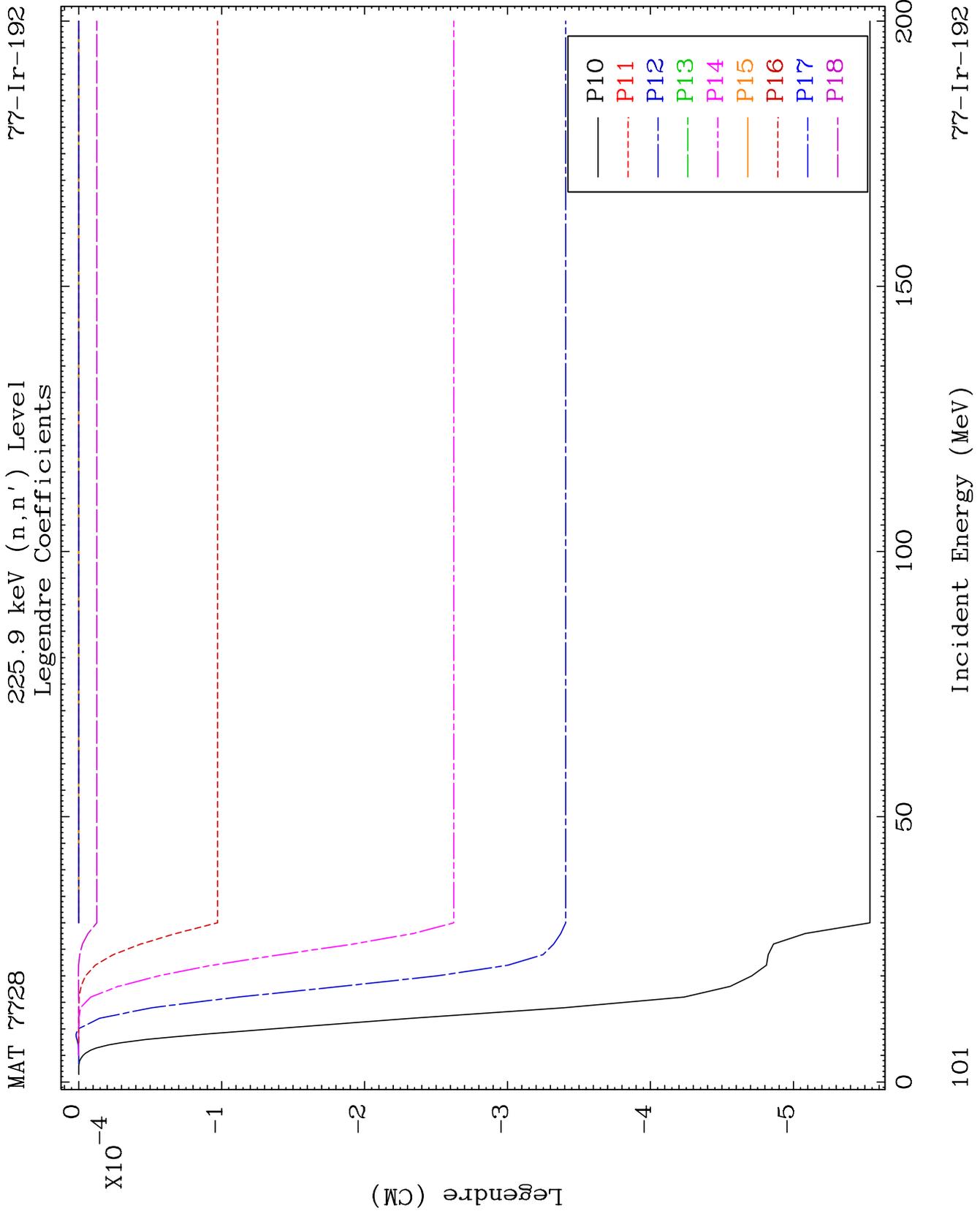


99

Incident Energy (MeV)

77-Ir-192

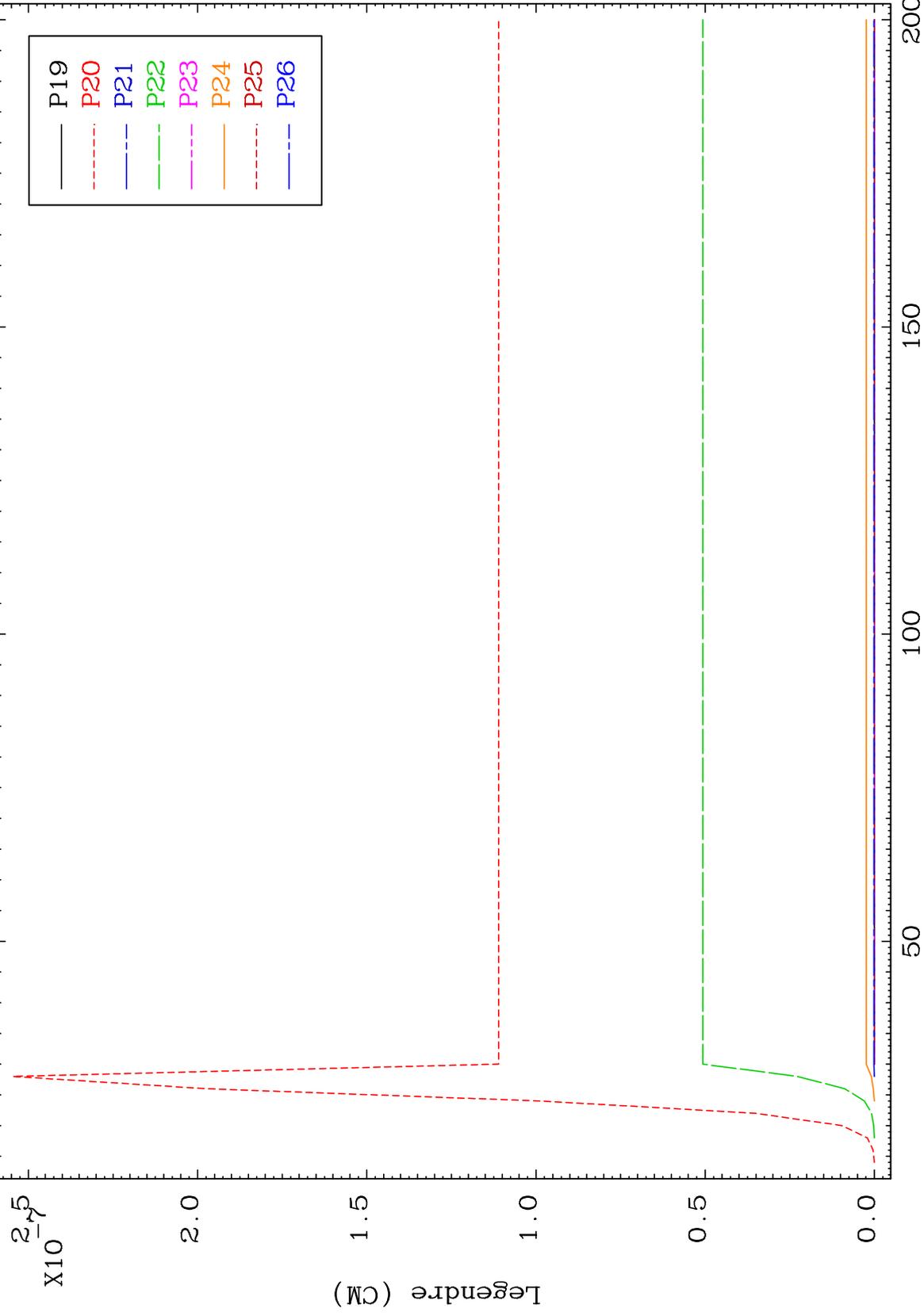




MAT 7728

225.9 keV (n,n') Level
Legendre Coefficients

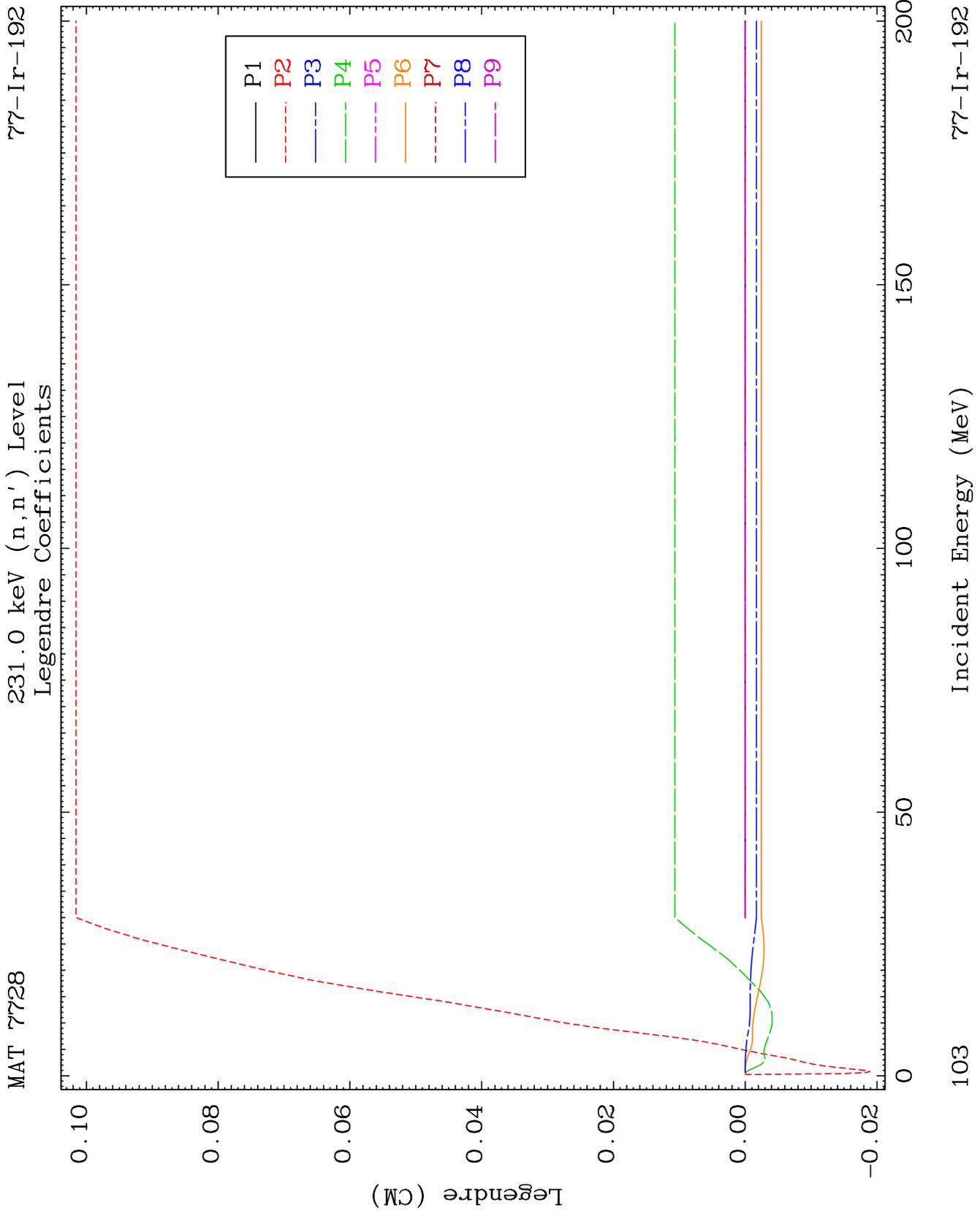
77-Ir-192

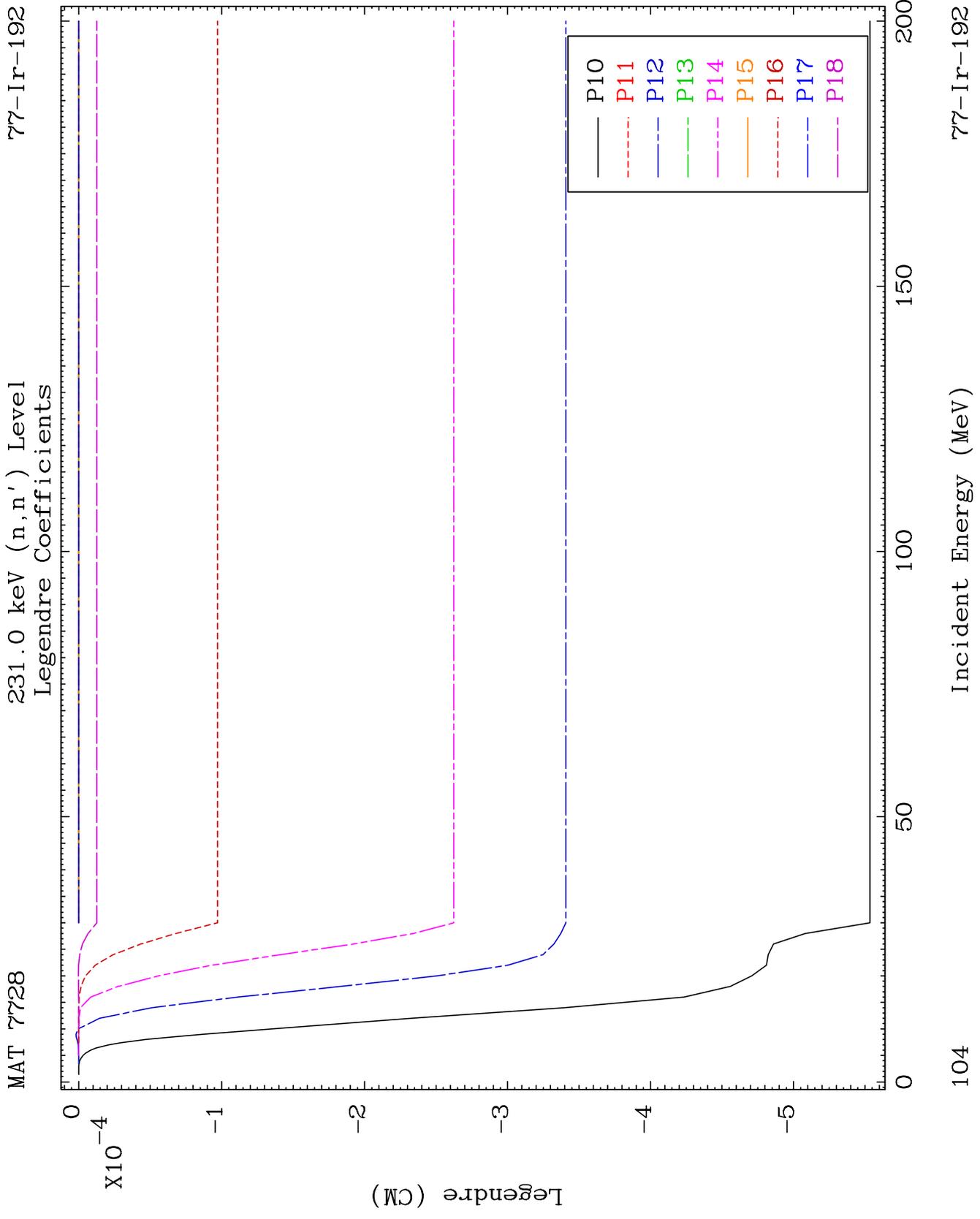


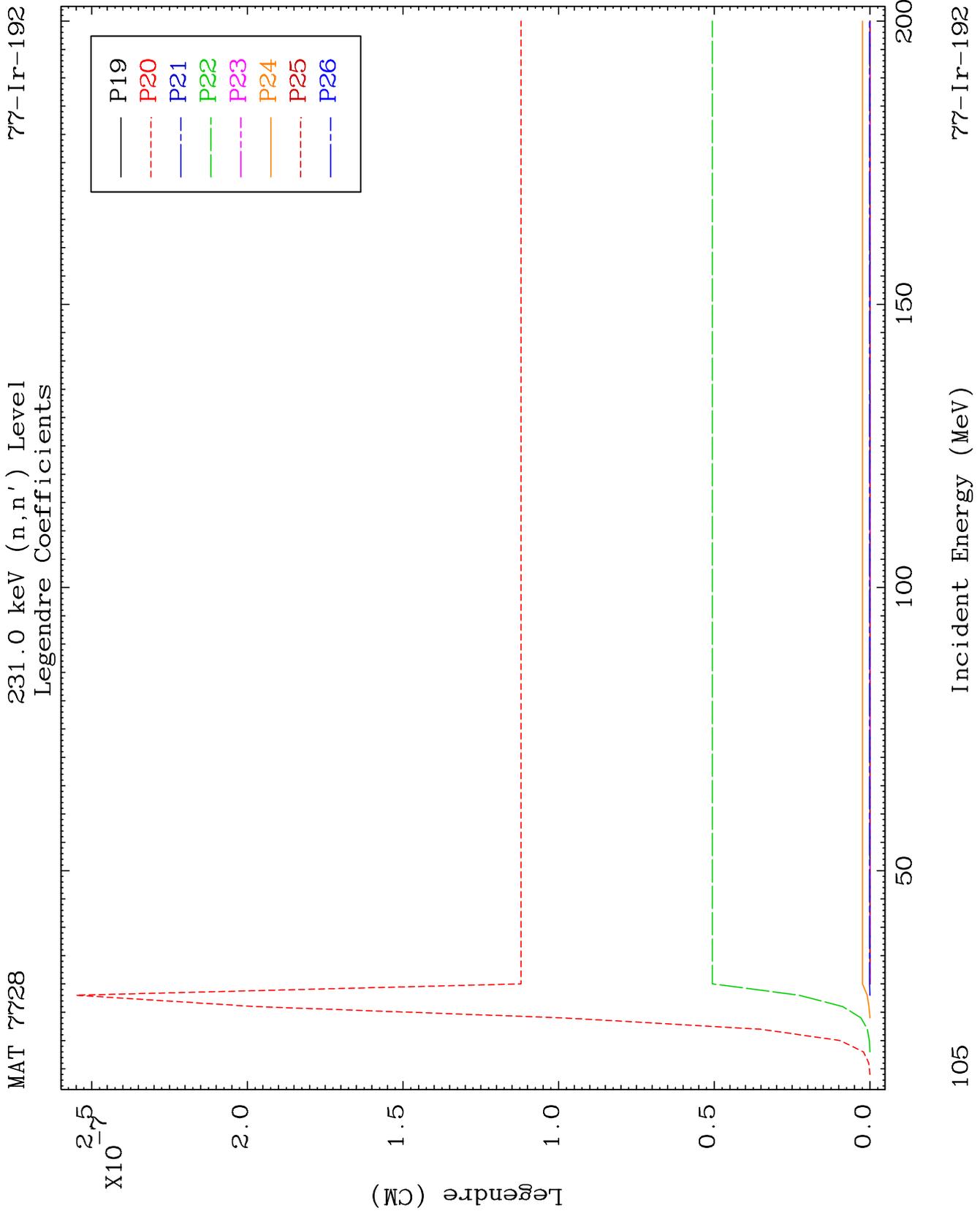
77-Ir-192

Incident Energy (MeV)

102



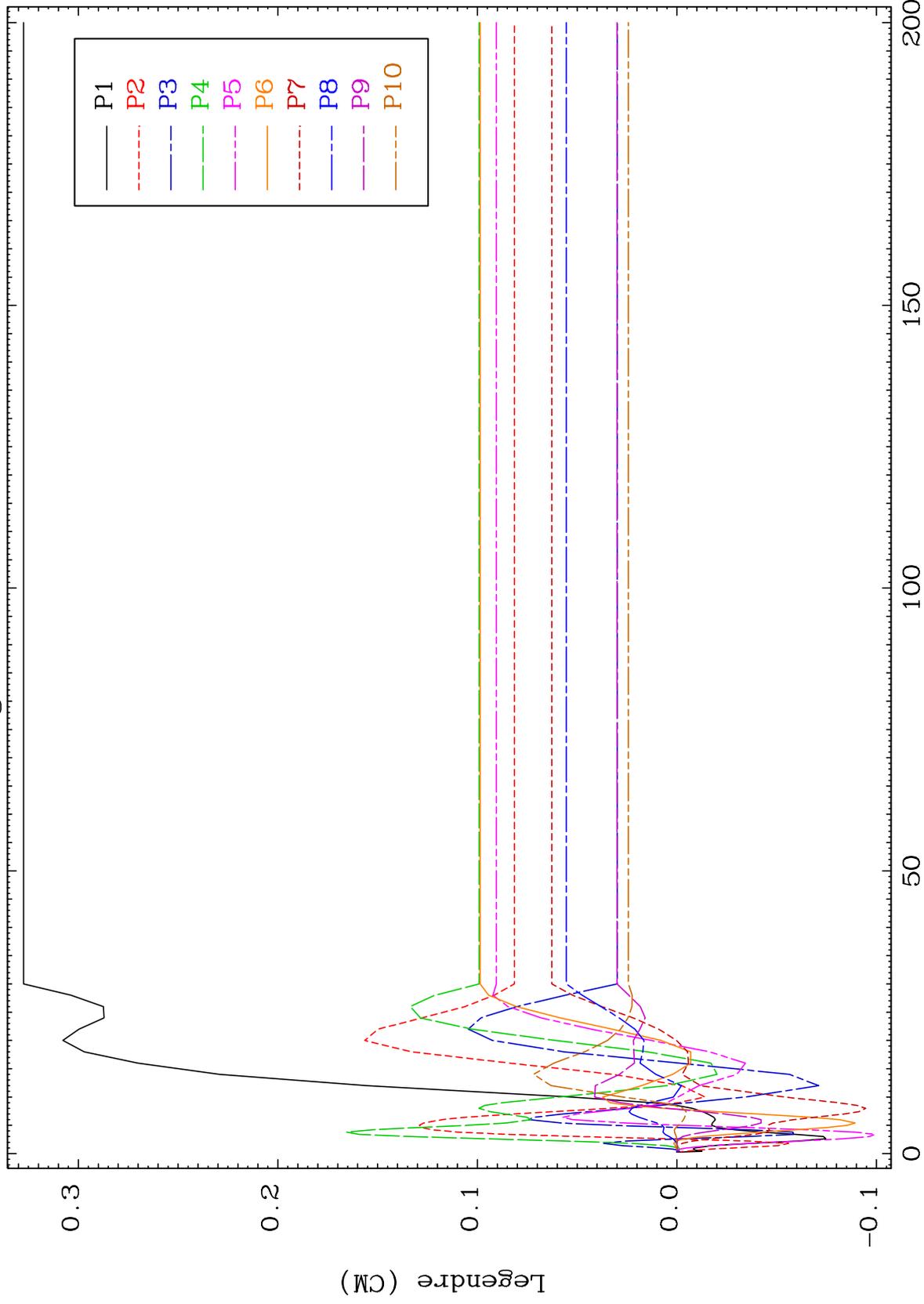




MAT 7728

235.8 keV (n,n') Level
Legendre Coefficients

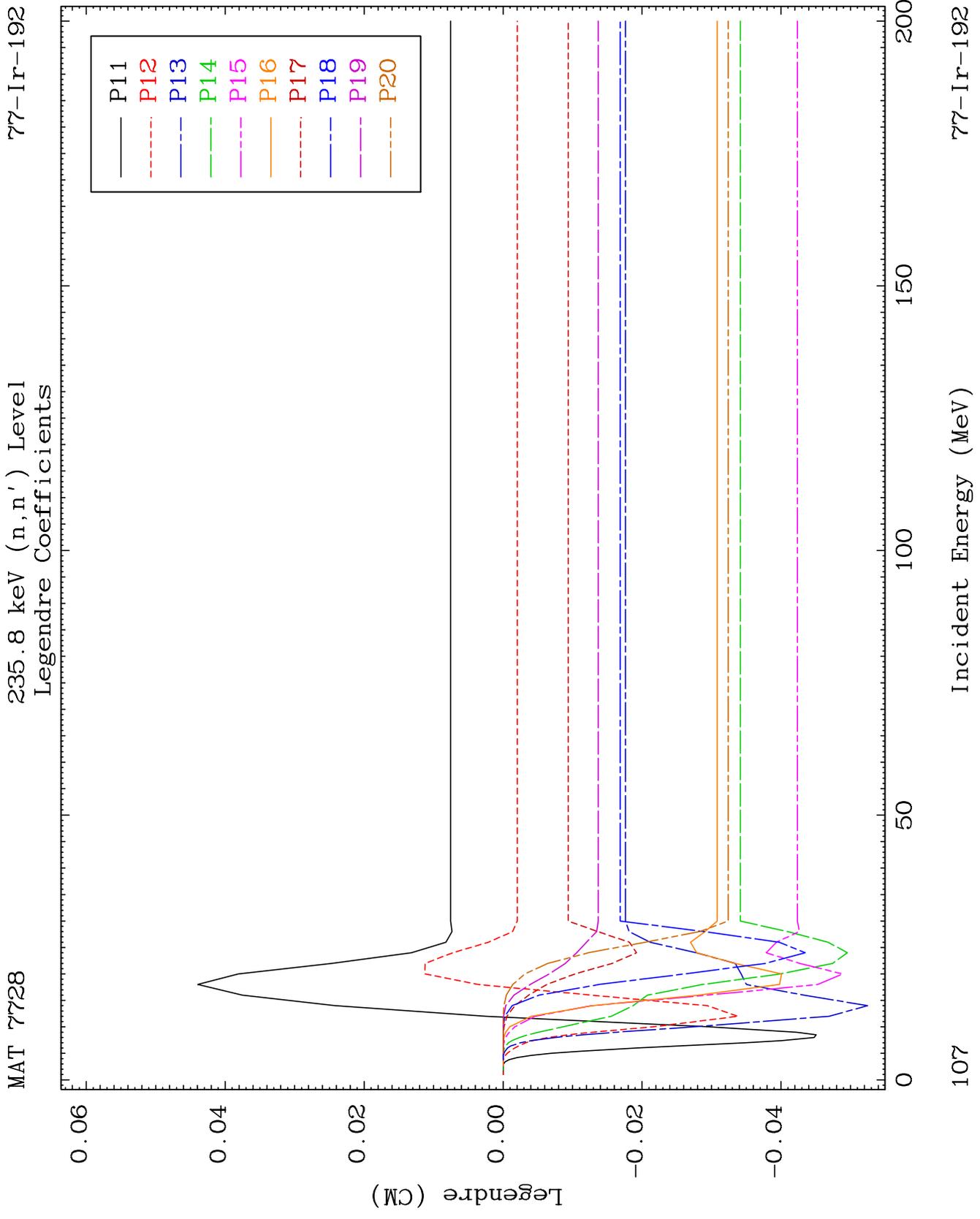
77-Ir-192



77-Ir-192

Incident Energy (MeV)

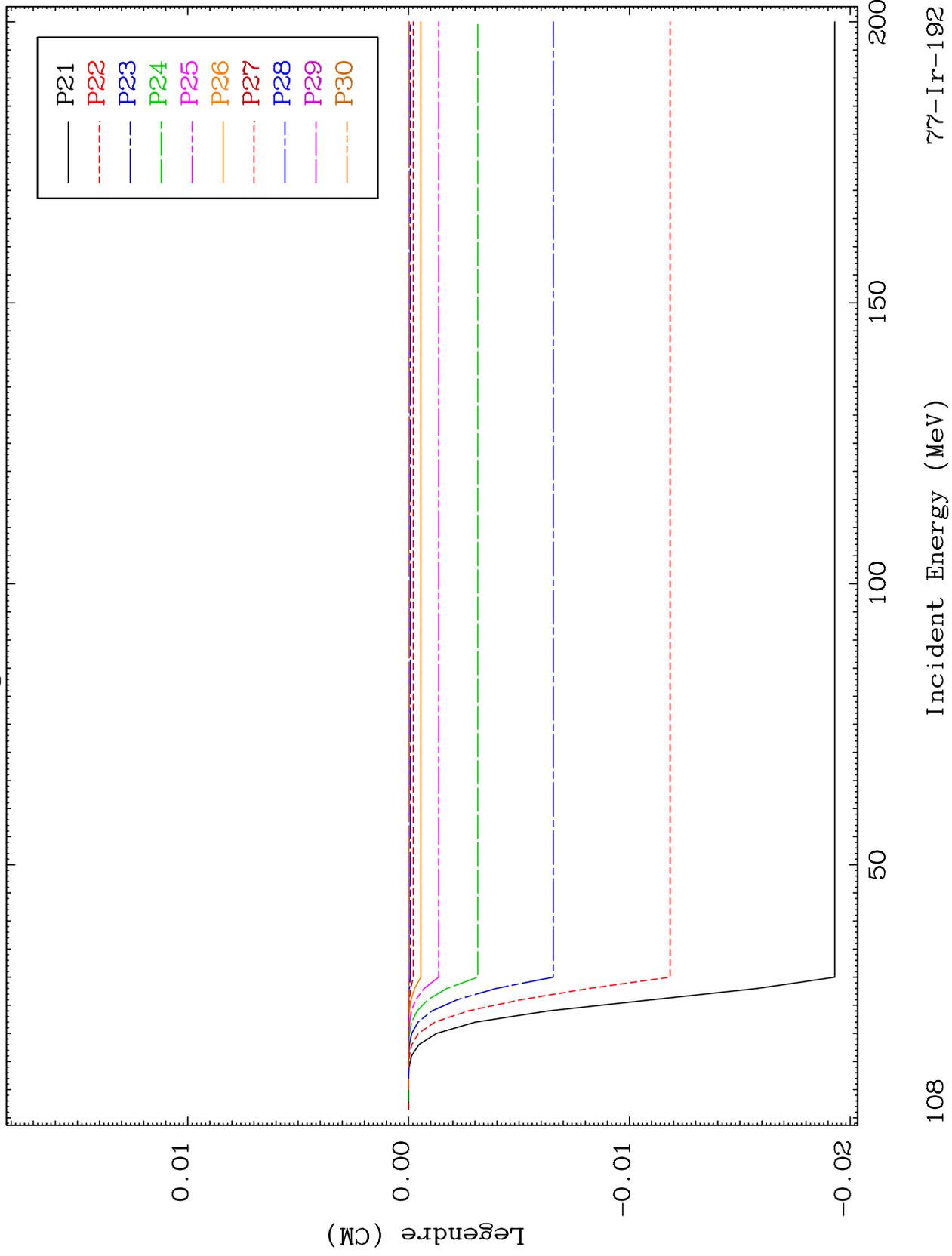
106



MAT 7728

235.8 keV (n,n') Level
Legendre Coefficients

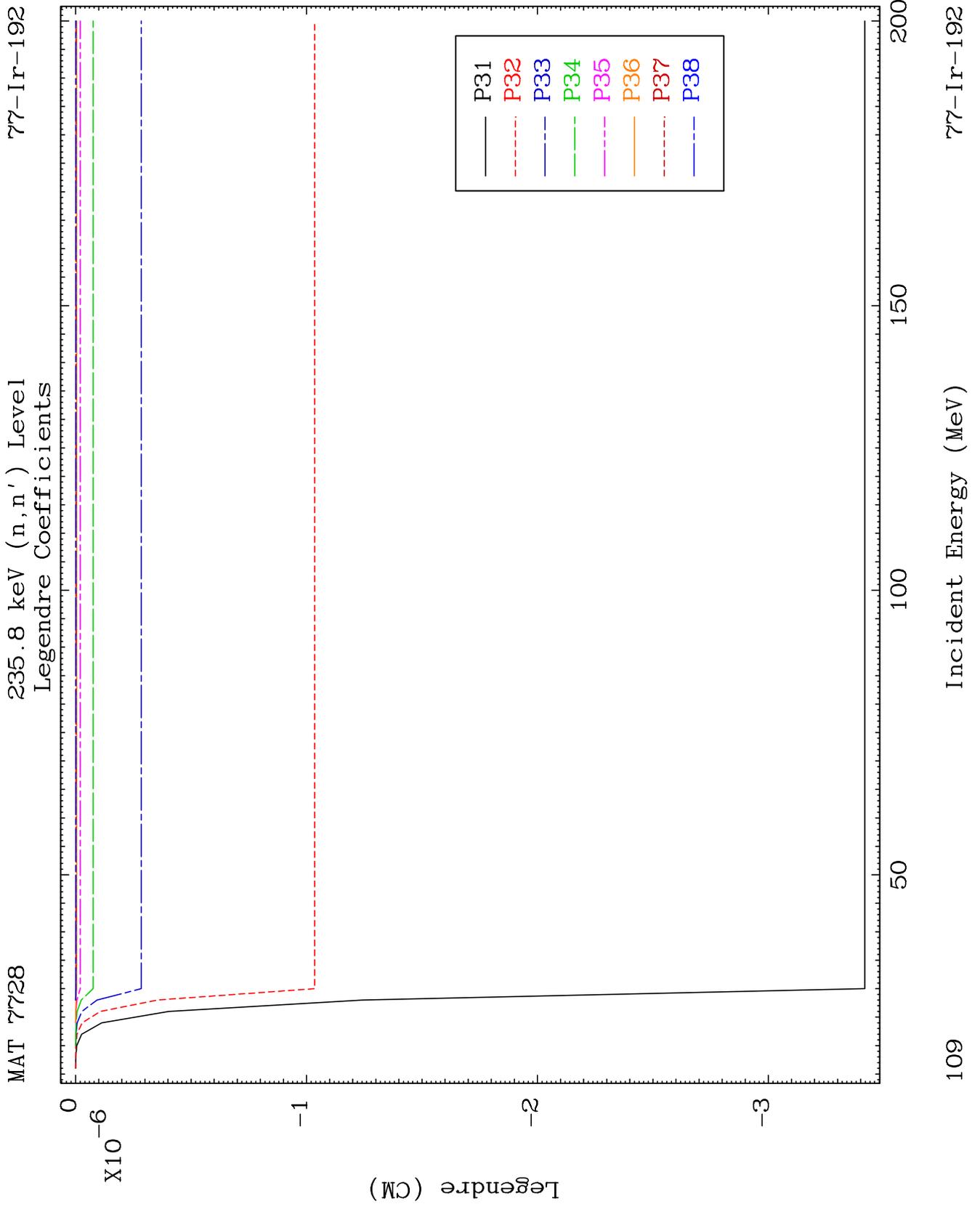
77-Ir-192



77-Ir-192

Incident Energy (MeV)

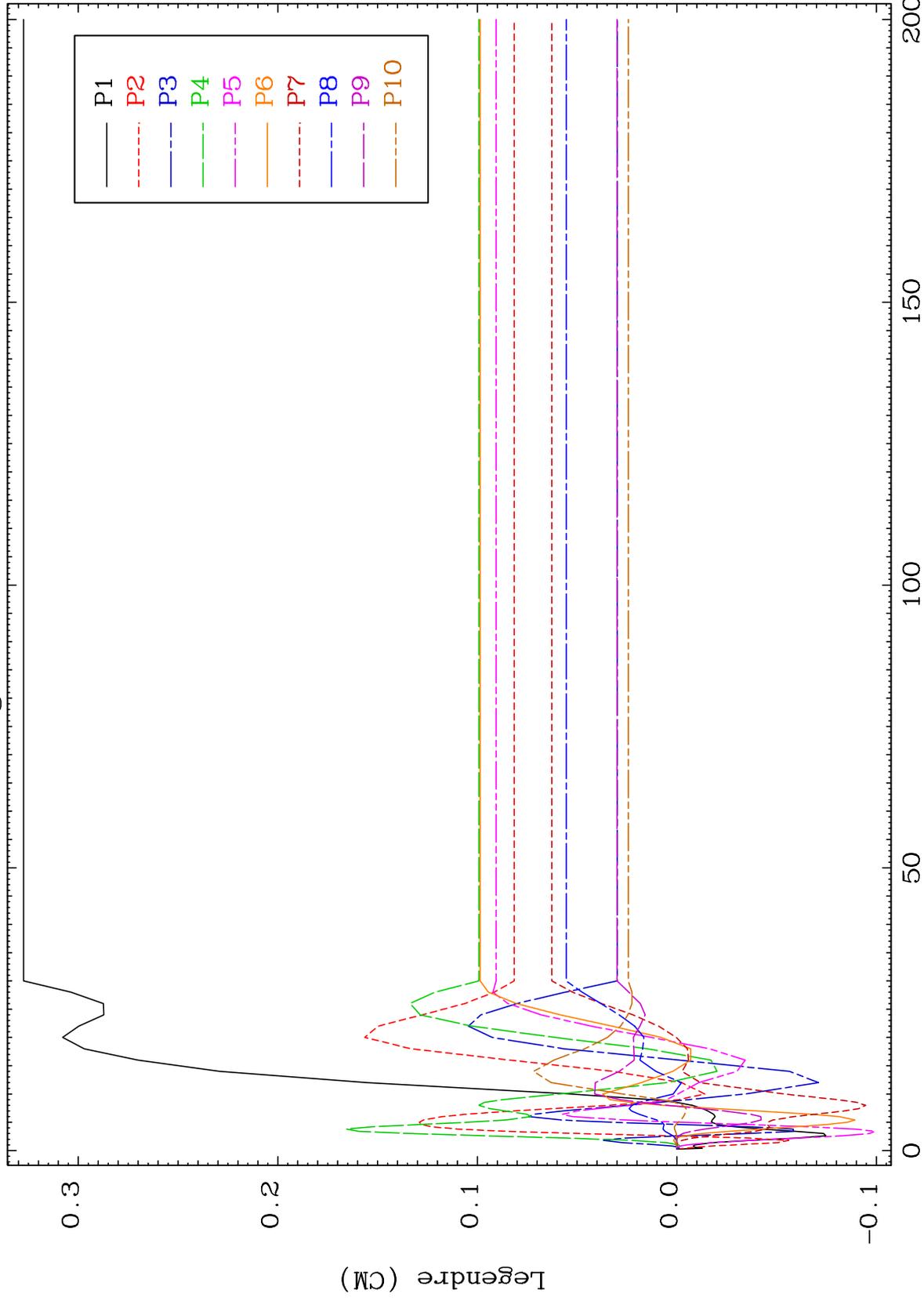
108



MAT 7728

239.8 keV (n,n') Level
Legendre Coefficients

77-Ir-192



77-Ir-192

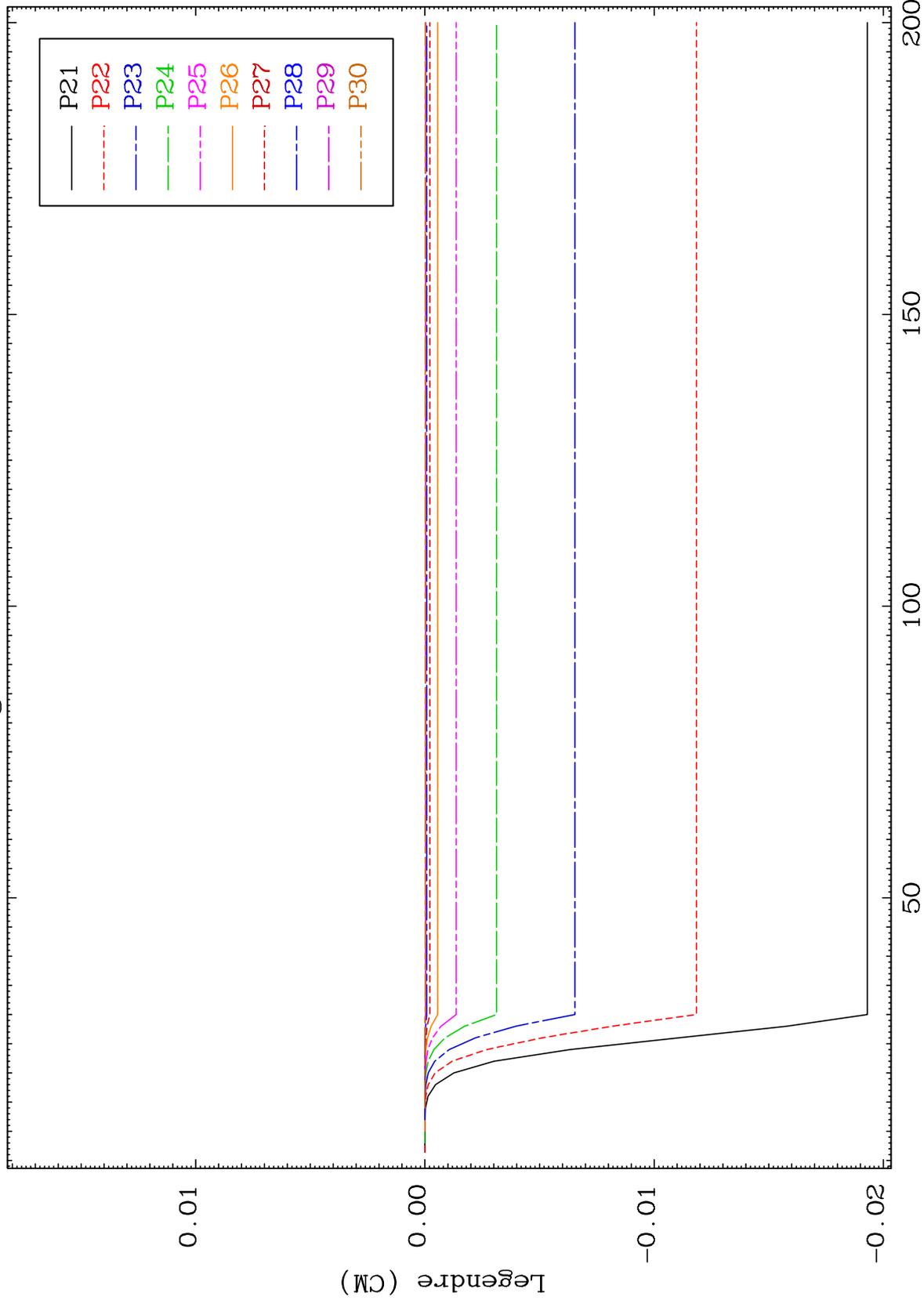
Incident Energy (MeV)

110

MAT 7728

239.8 keV (n,n') Level
Legendre Coefficients

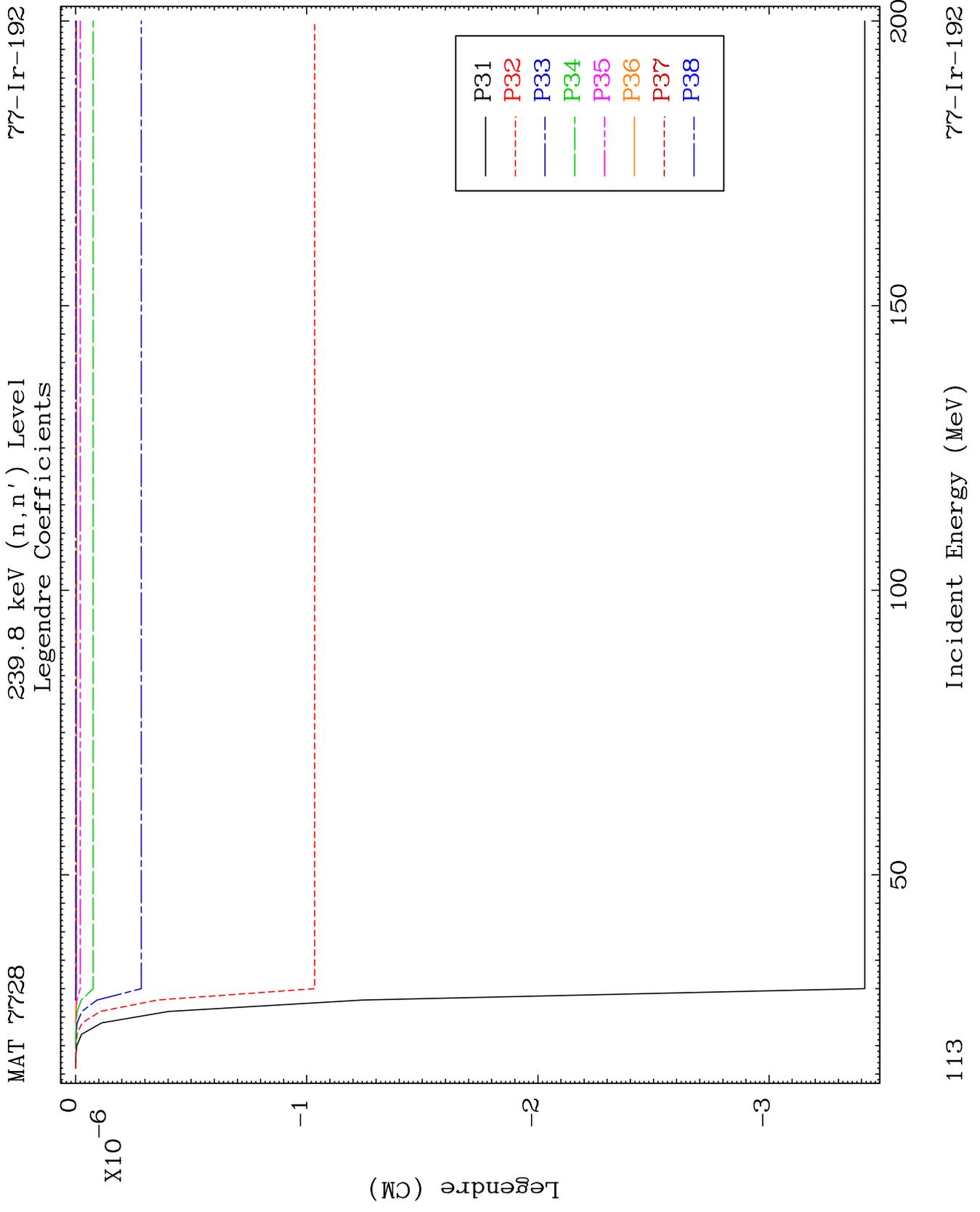
77-Ir-192

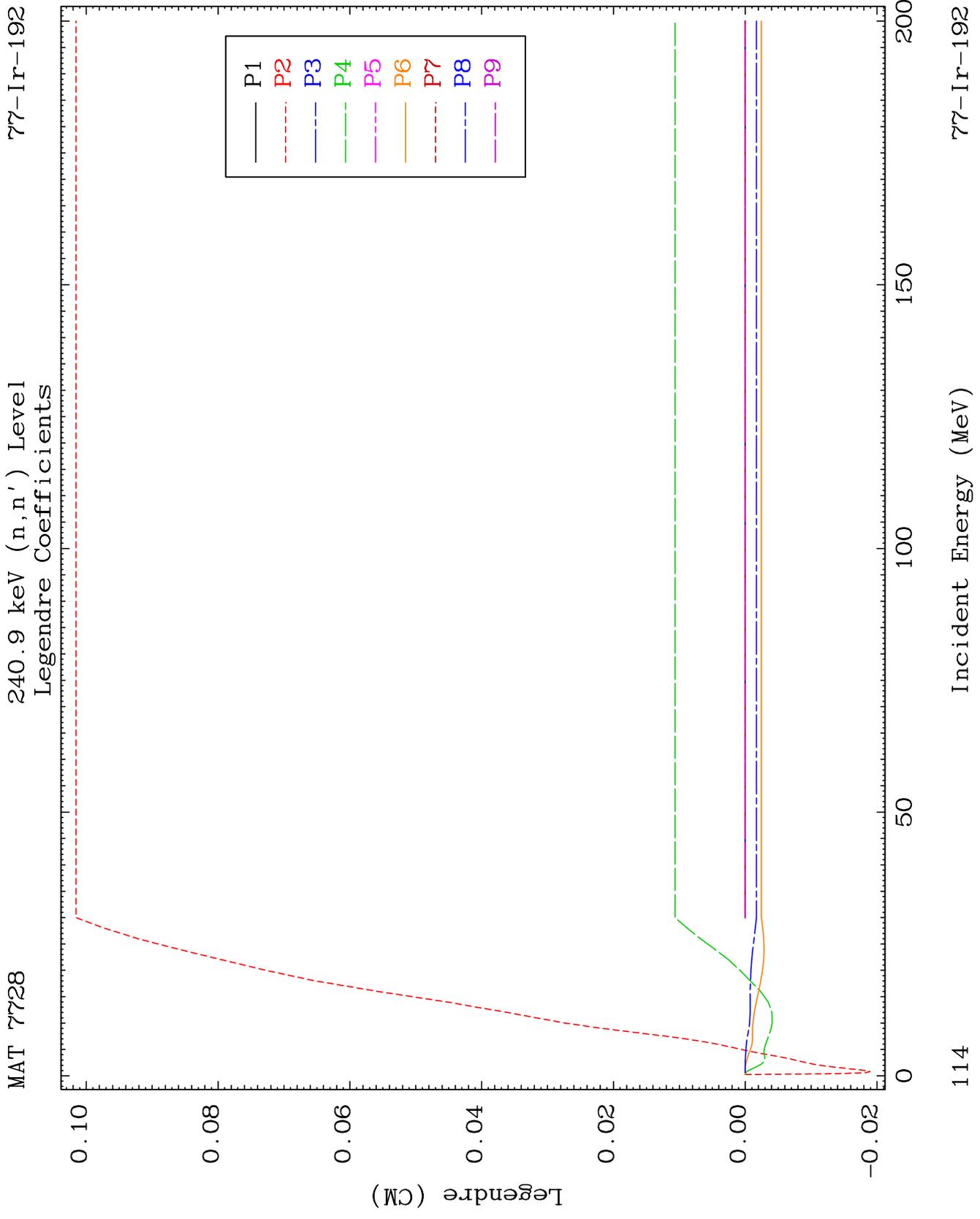


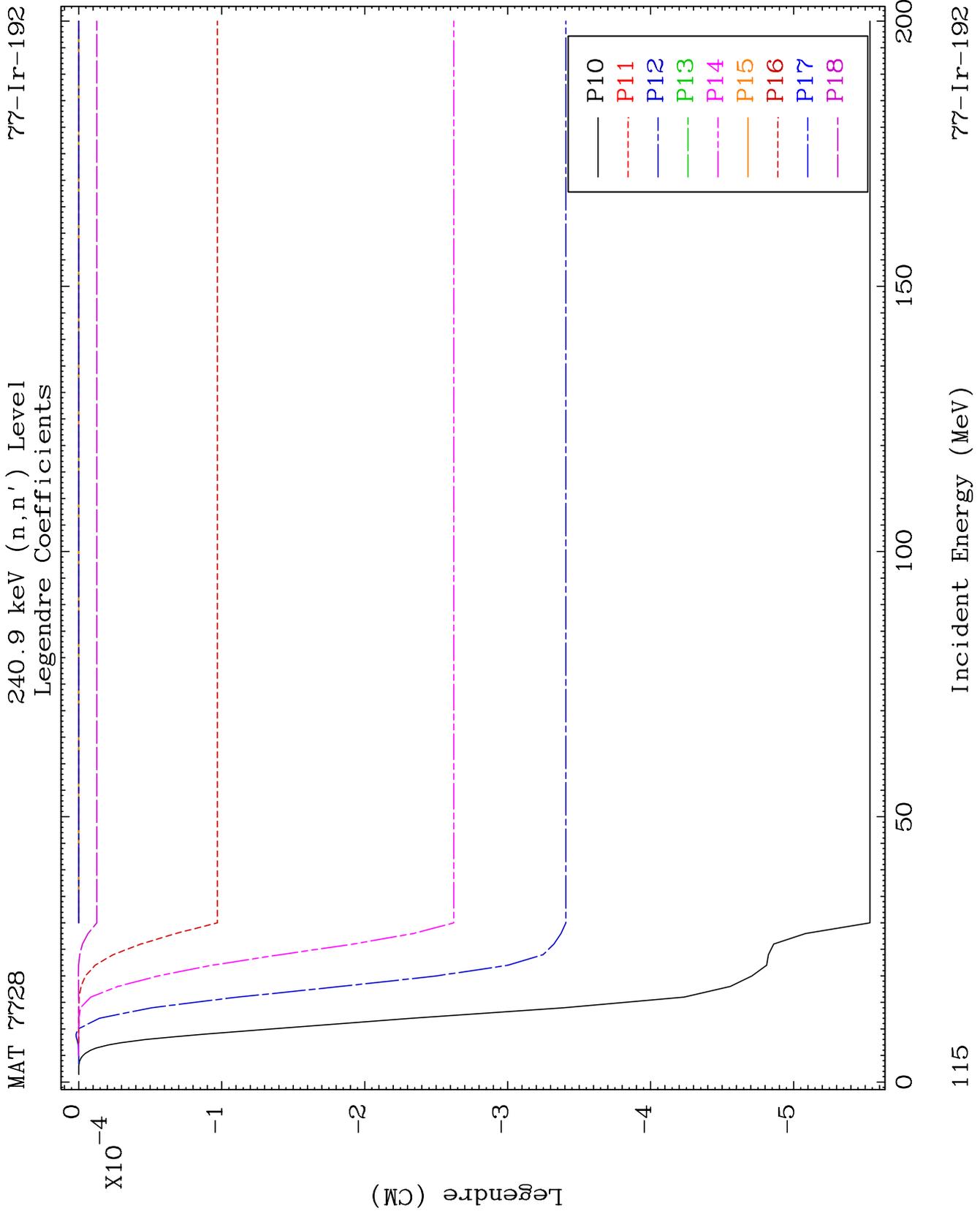
112

Incident Energy (MeV)

77-Ir-192



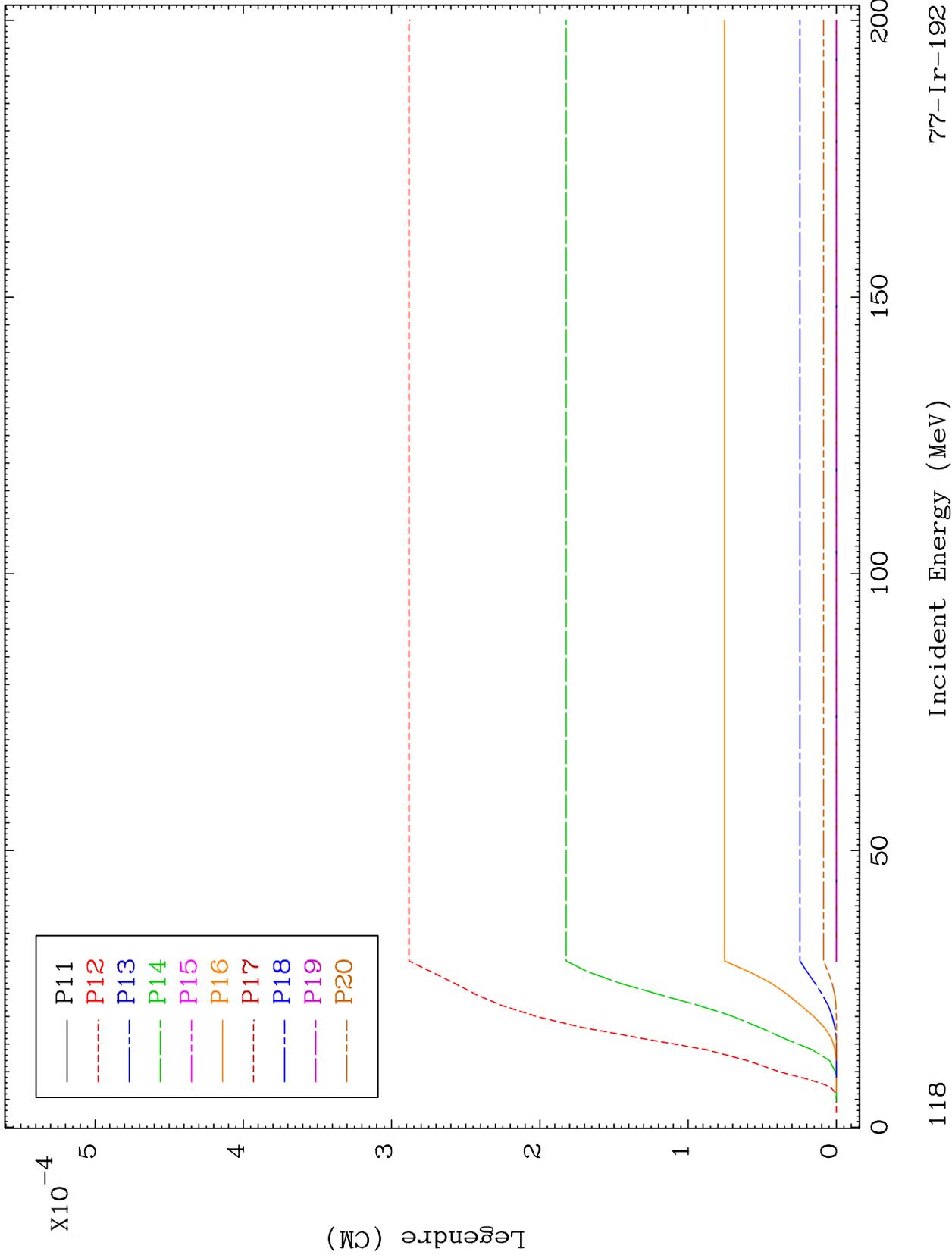




MAT 7728

256.8 keV (n,n') Level
Legendre Coefficients

77-Ir-192



118

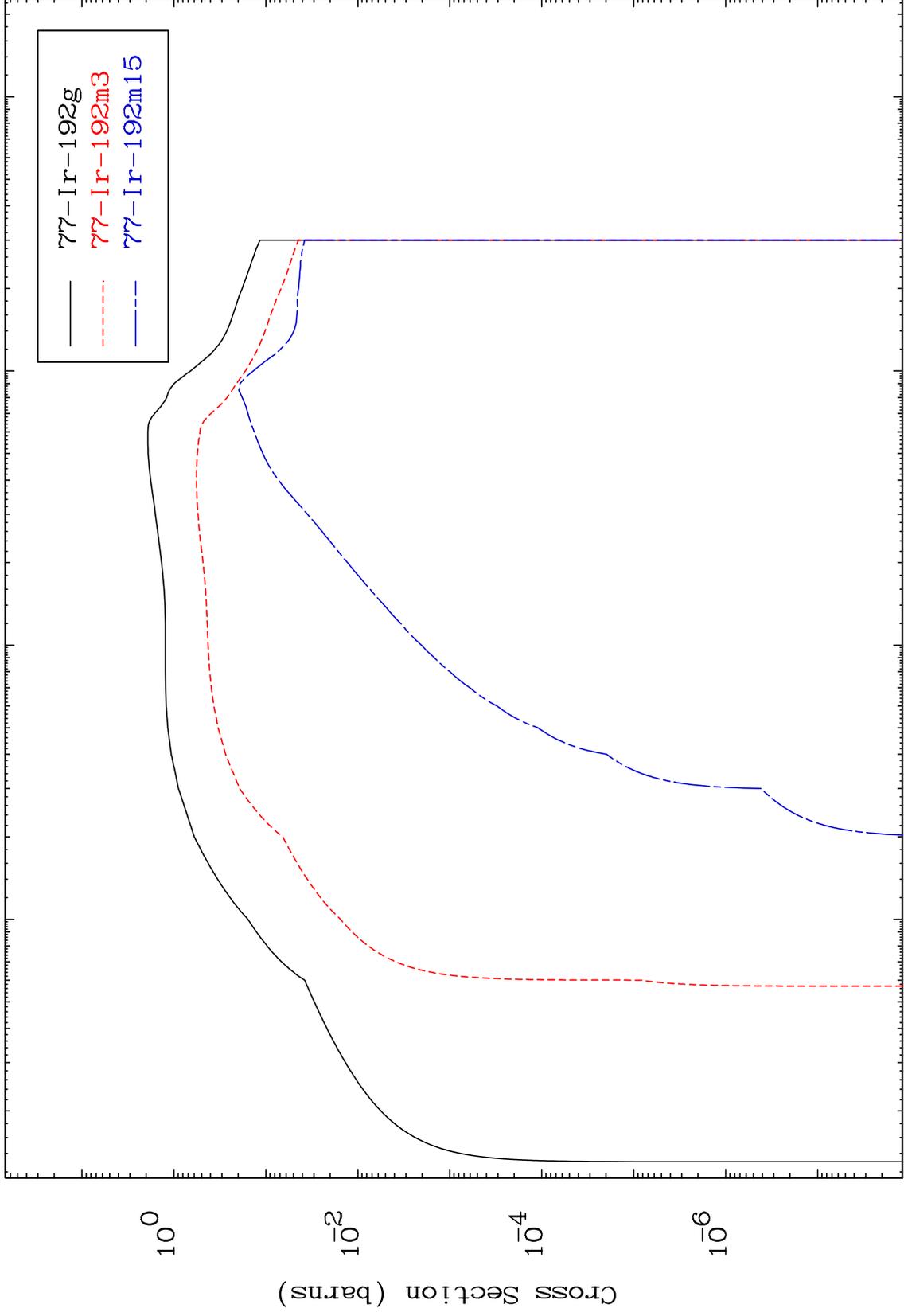
Incident Energy (MeV)

77-Ir-192

MAT 7728

Inelastic
Radionuclide Production Cross Section

77-Ir-192



120

Incident Energy (MeV)

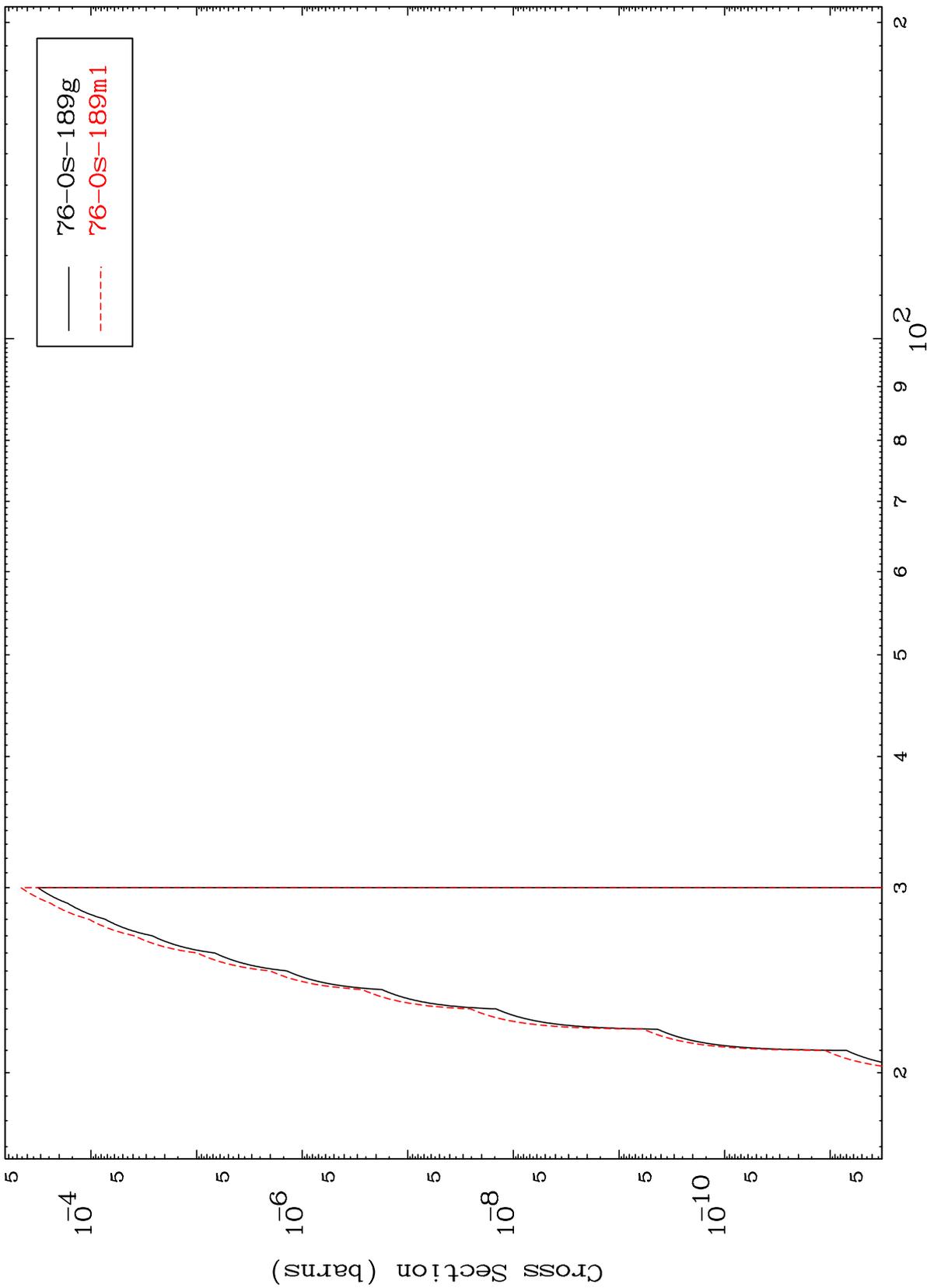
77-Ir-192

MAT 7728

(n,2n) d

77-Ir-192

Radionuclide Production Cross Section



121

Incident Energy (MeV)

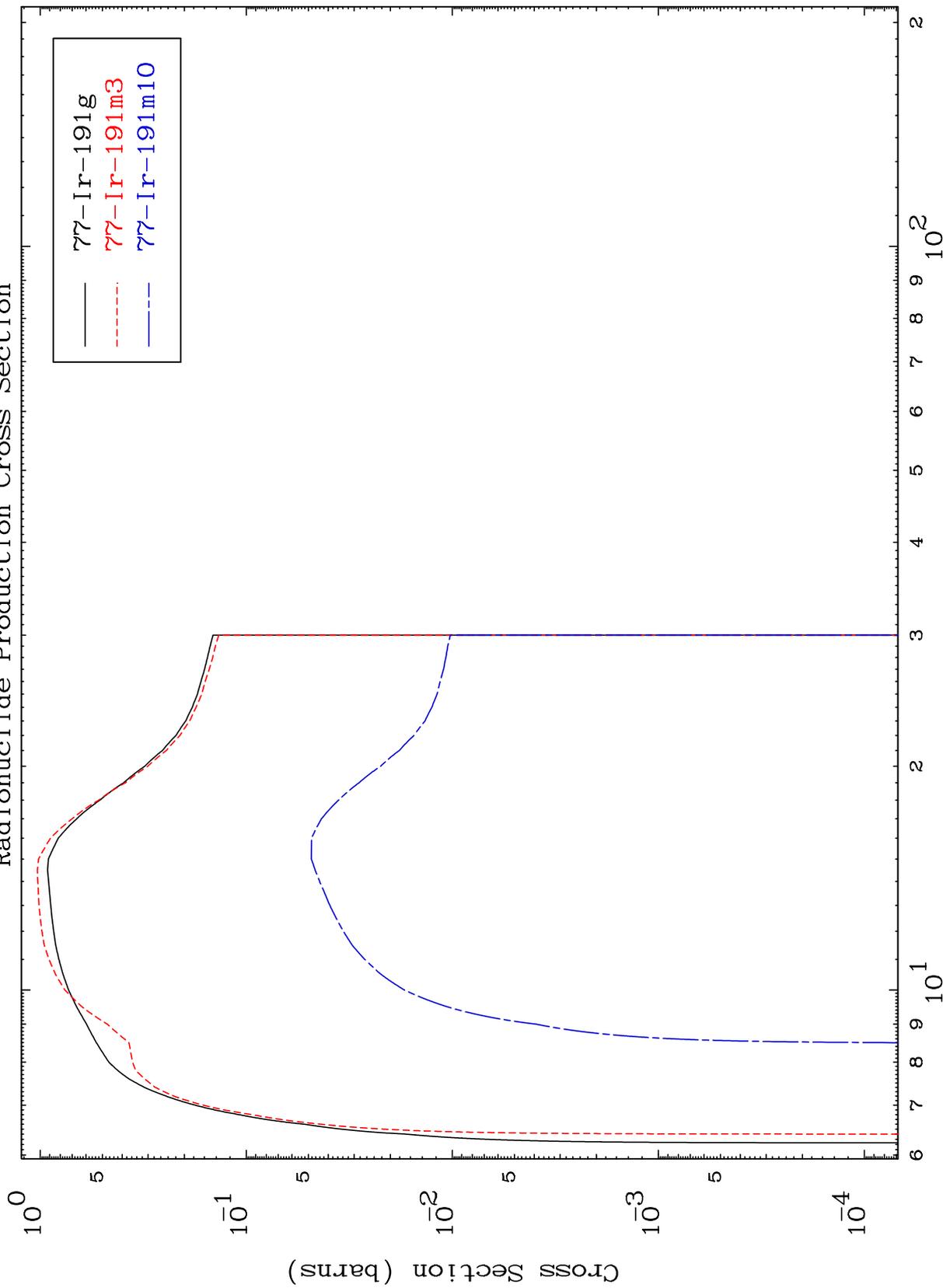
77-Ir-192

MAT 7728

77-Ir-192

(n,2n)

Radionuclide Production Cross Section



77-Ir-191g
77-Ir-191m3
77-Ir-191m10

77-Ir-192

Incident Energy (MeV)

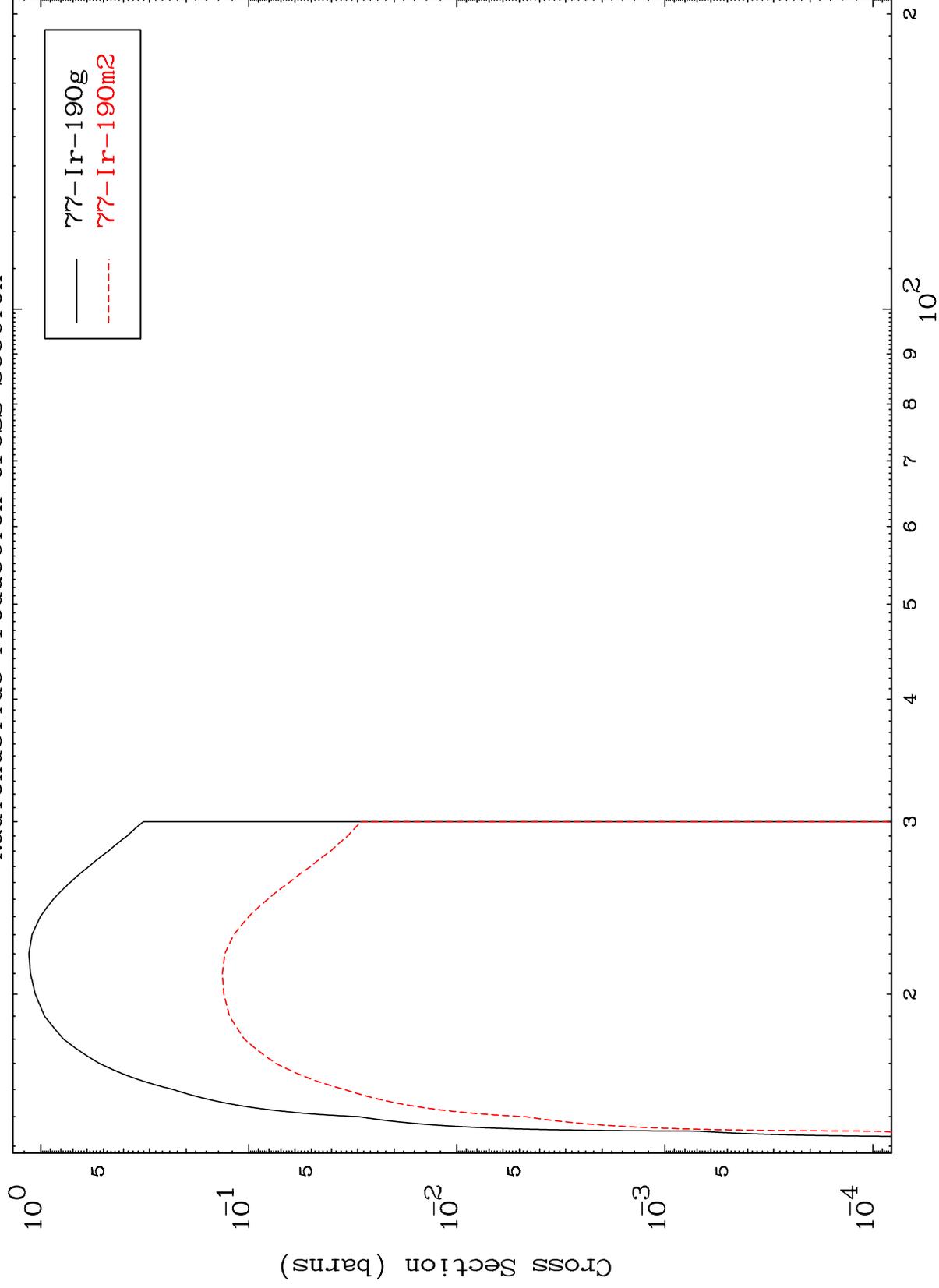
122

MAT 7728

(n,3n)

77-Ir-192

Radionuclide Production Cross Section



123

Incident Energy (MeV)

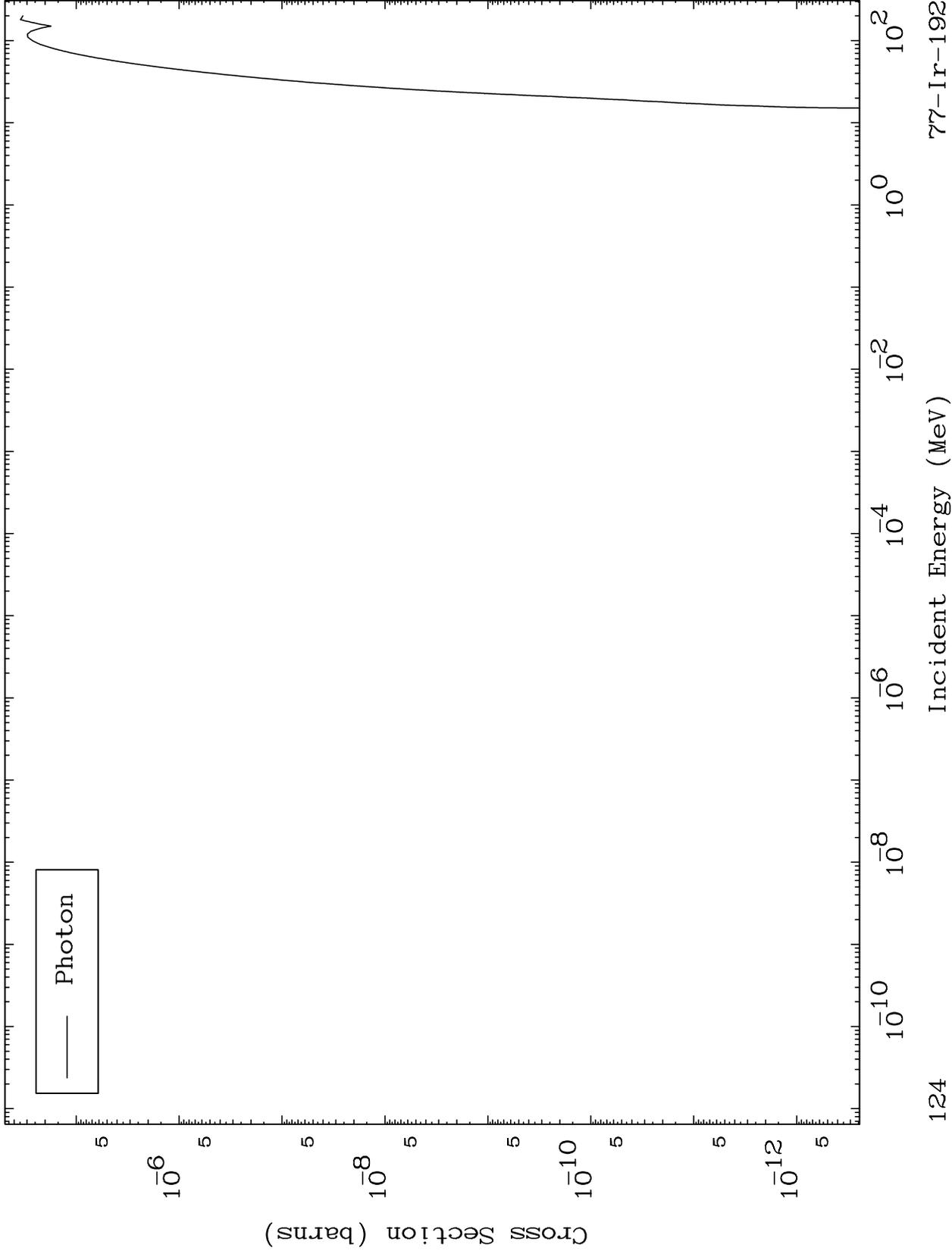
77-Ir-192

MAT 7728

Fission

⁷⁷Ir-192

Radionuclide Production Cross Section



124

Incident Energy (MeV)

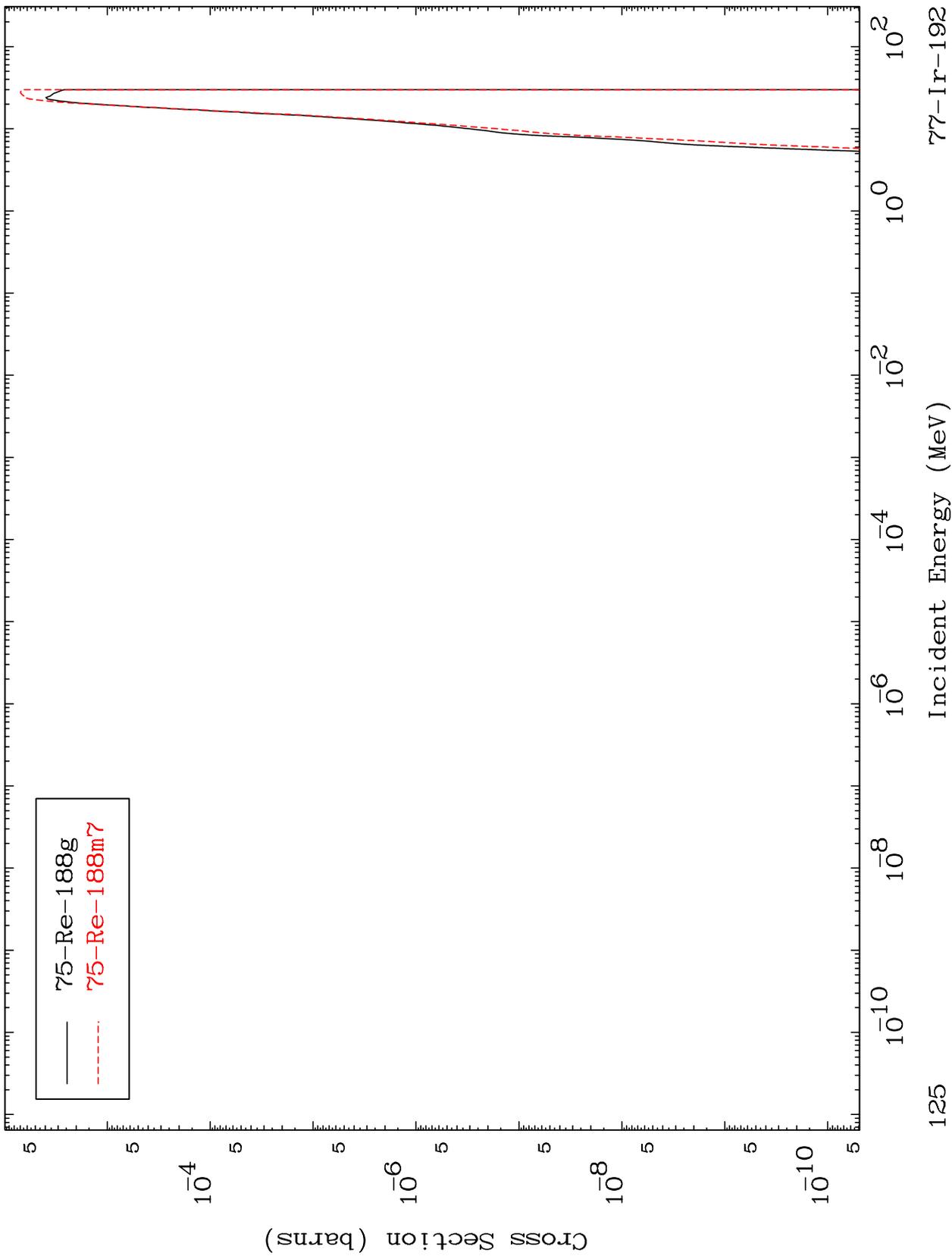
⁷⁷Ir-192

MAT 7728

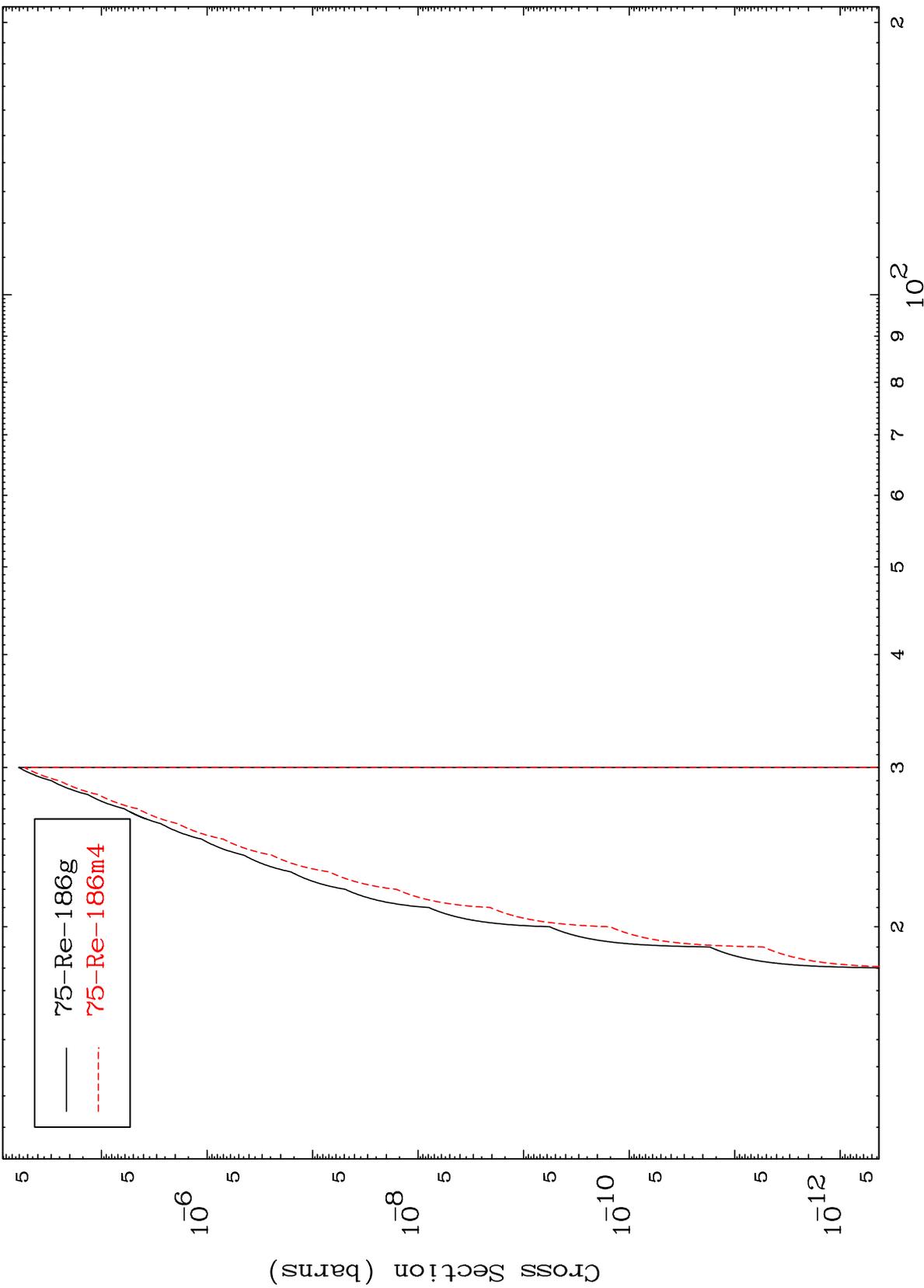
$(n, n') \alpha$

$^{77}\text{Ir-192}$

Radionuclide Production Cross Section



Radionuclide Production Cross Section

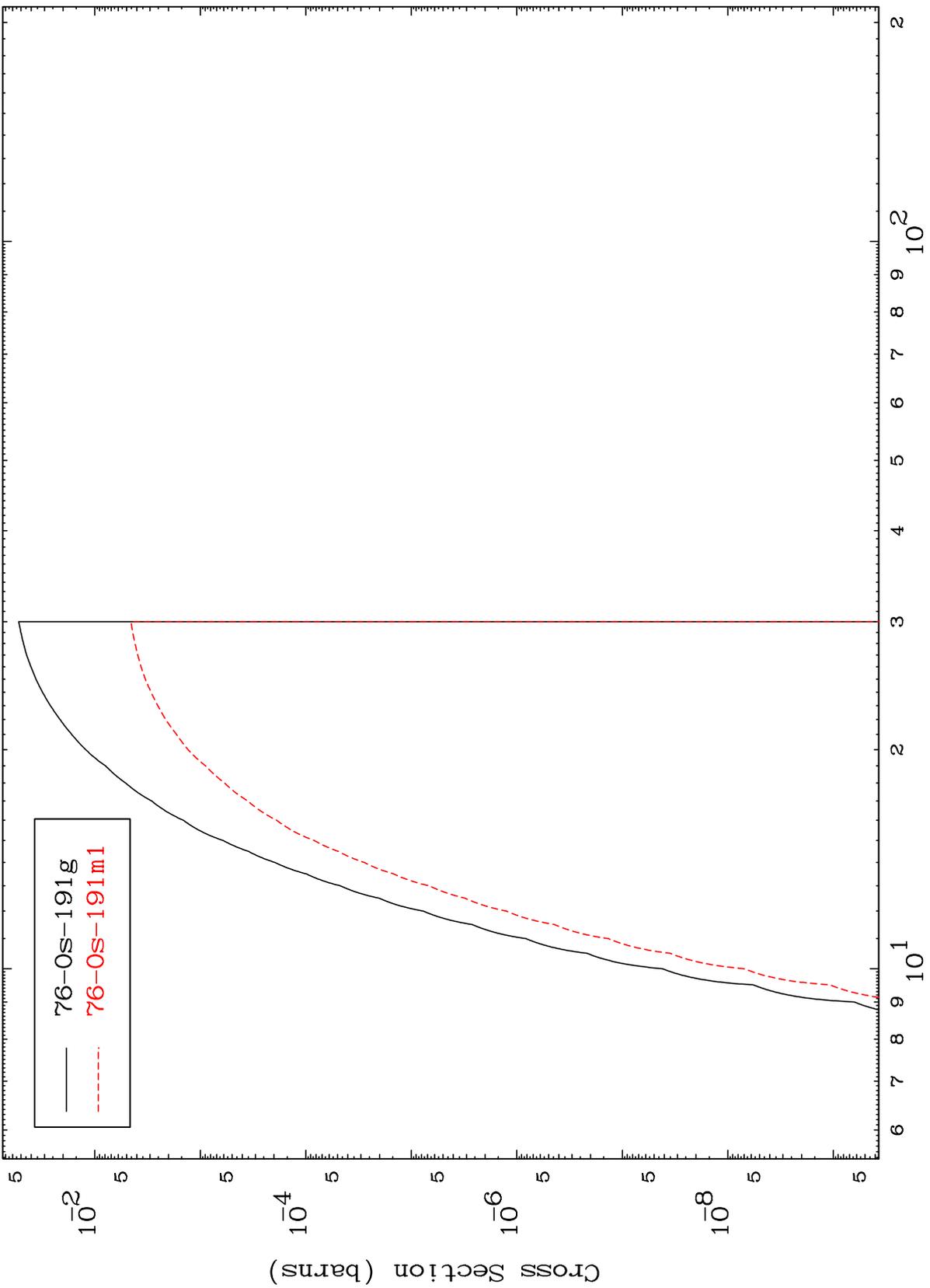


MAT 7728

(n, n') p

$^{77}\text{Ir-192}$

Radionuclide Production Cross Section



— 76-Os-191g
- - - 76-Os-191m1

127

Incident Energy (MeV)

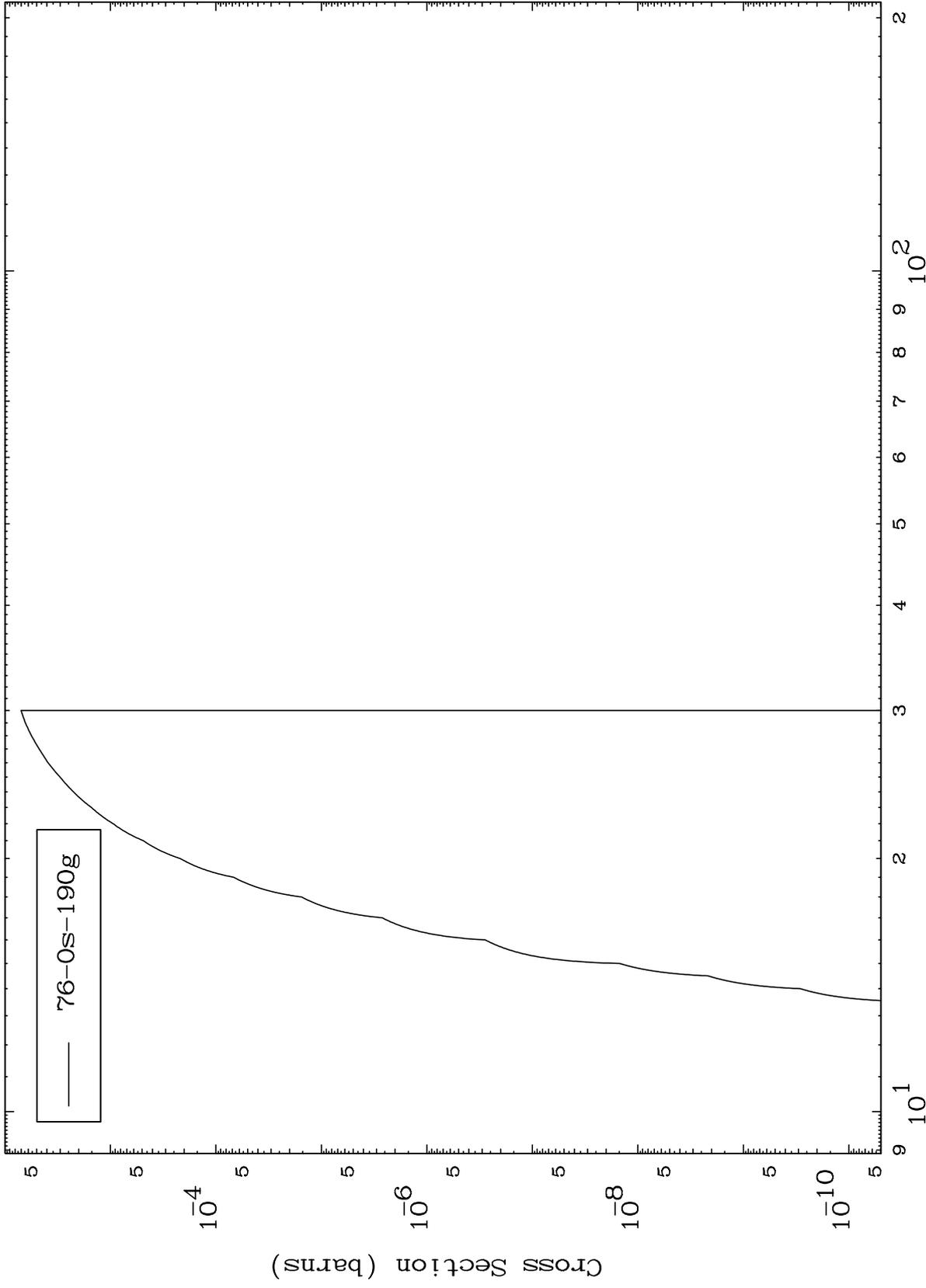
$^{77}\text{Ir-192}$

MAT 7728

(n,n') d

77-Ir-192

Radionuclide Production Cross Section

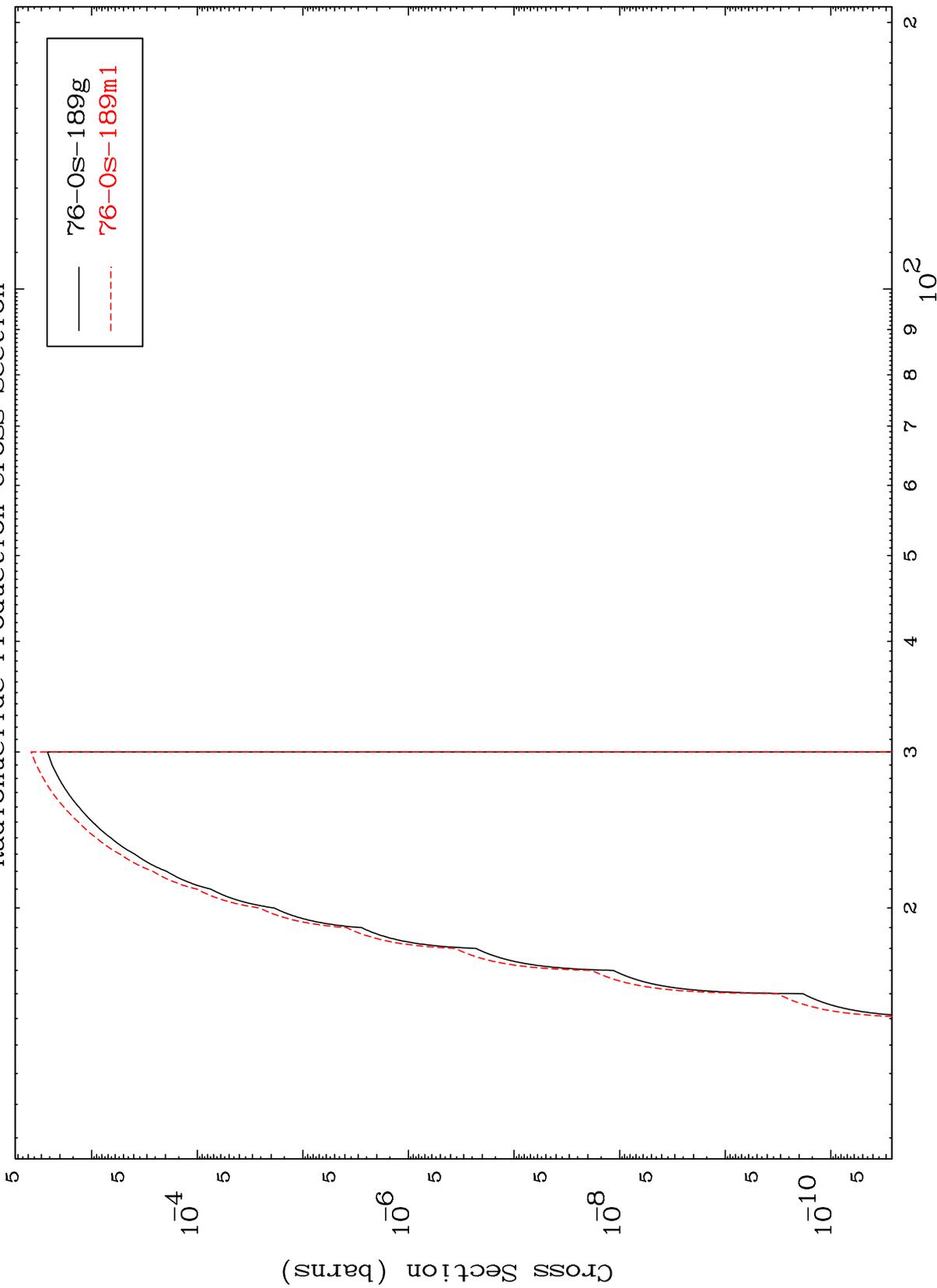


128

Incident Energy (MeV)

77-Ir-192

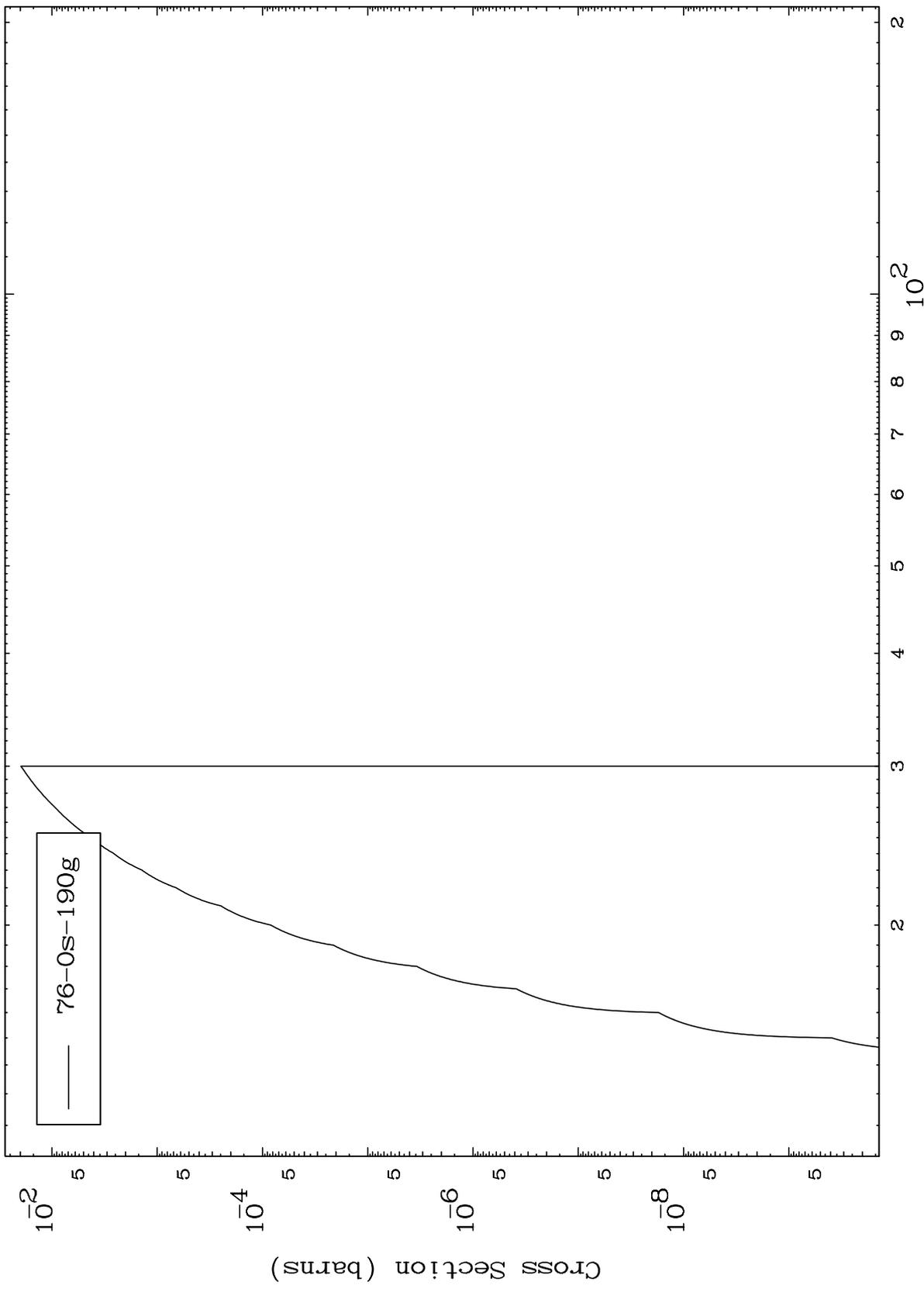
Radionuclide Production Cross Section



MAT 7728

77-Ir-192

(n,2n) p
Radionuclide Production Cross Section



77-Ir-192

Incident Energy (MeV)

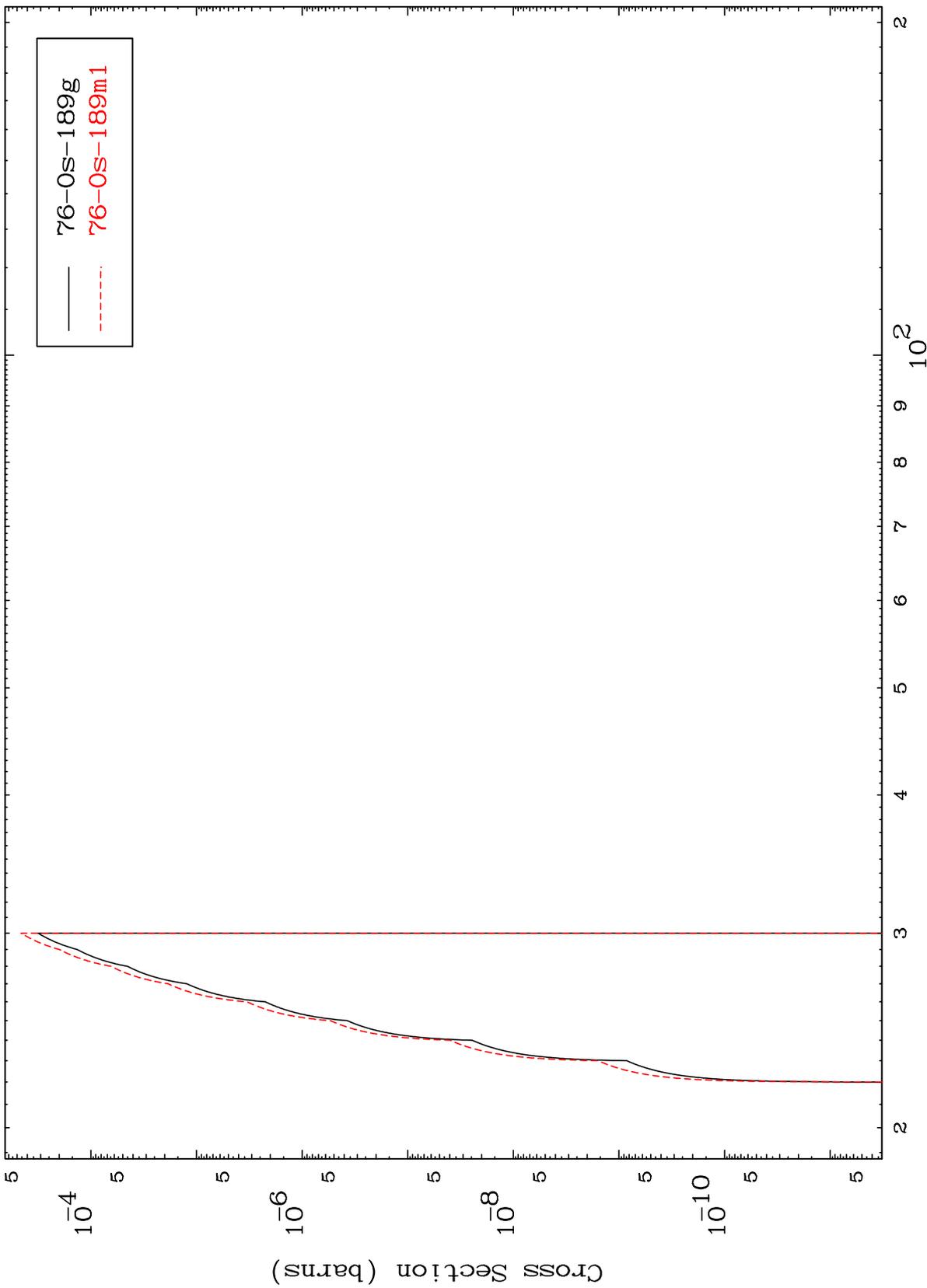
130

MAT 7728

(n,3n) p

77-Ir-192

Radionuclide Production Cross Section



76-Os-189g
76-Os-189m1

131

Incident Energy (MeV)

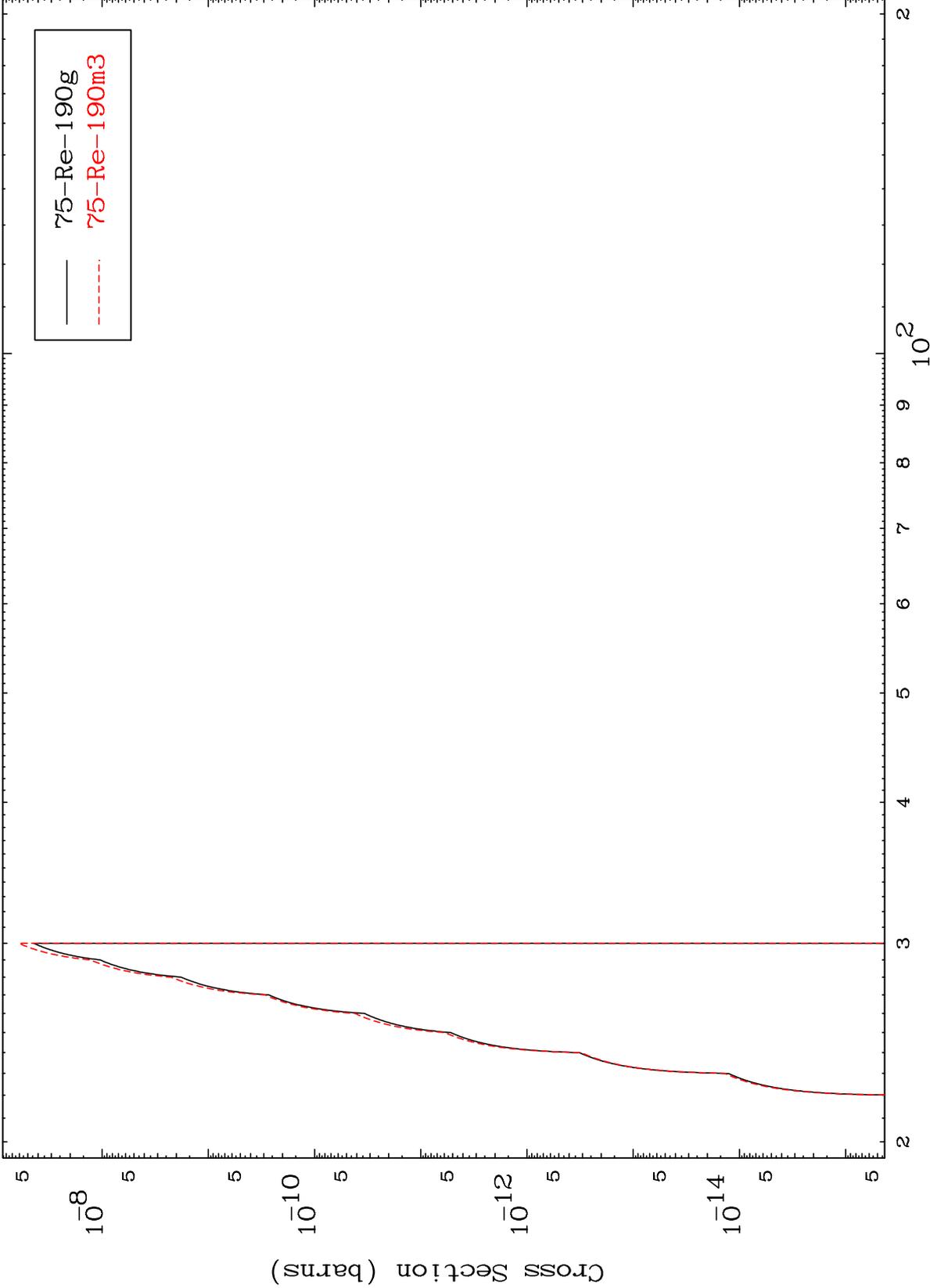
77-Ir-192

MAT 7728

(n,2n) p

77-Ir-192

Radionuclide Production Cross Section



75-Re-190g
75-Re-190m3

132

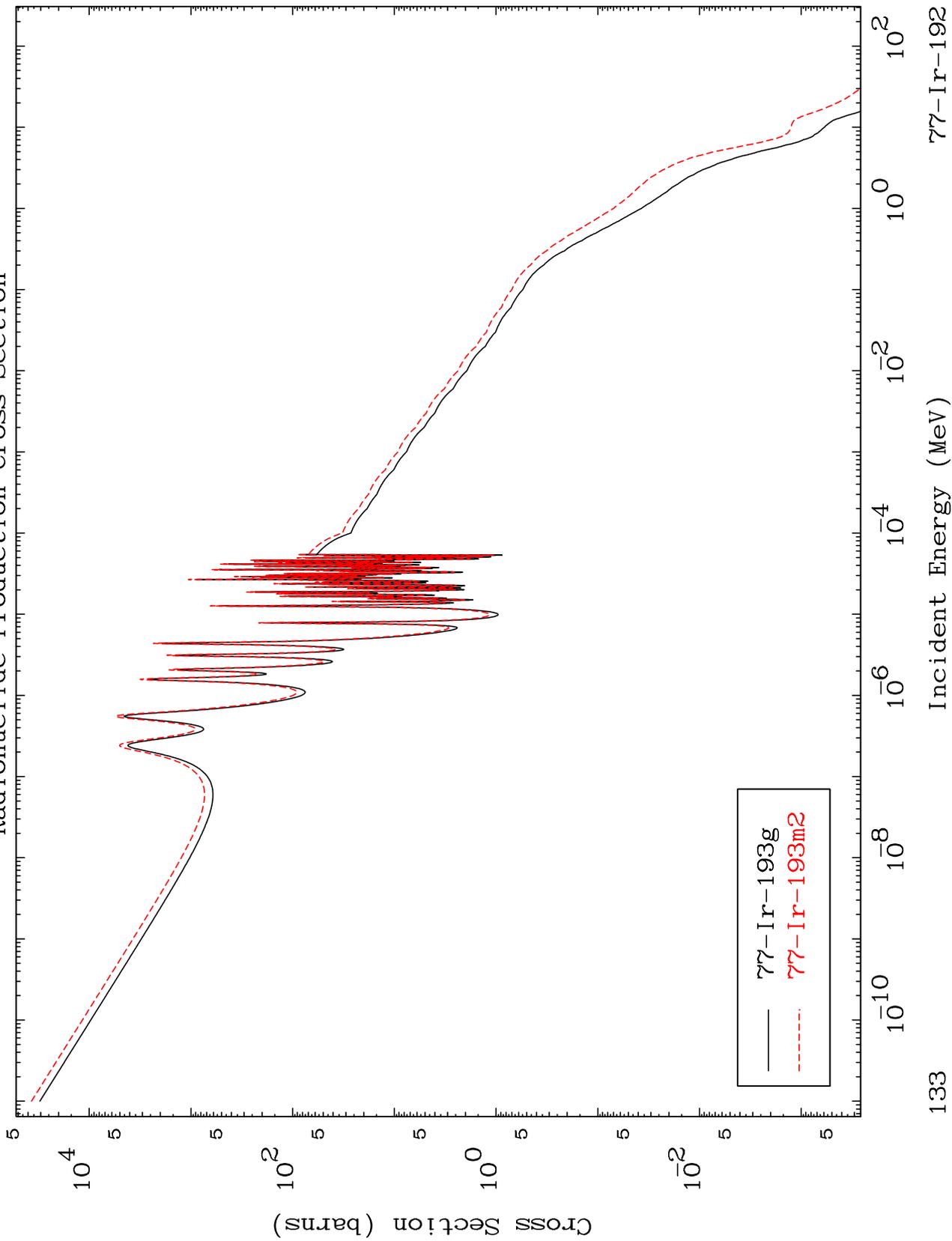
Incident Energy (MeV)

77-Ir-192

MAT 7728

⁷⁷Ir-192

⁷⁷Ir-192 (n,γ) Radionuclide Production Cross Section

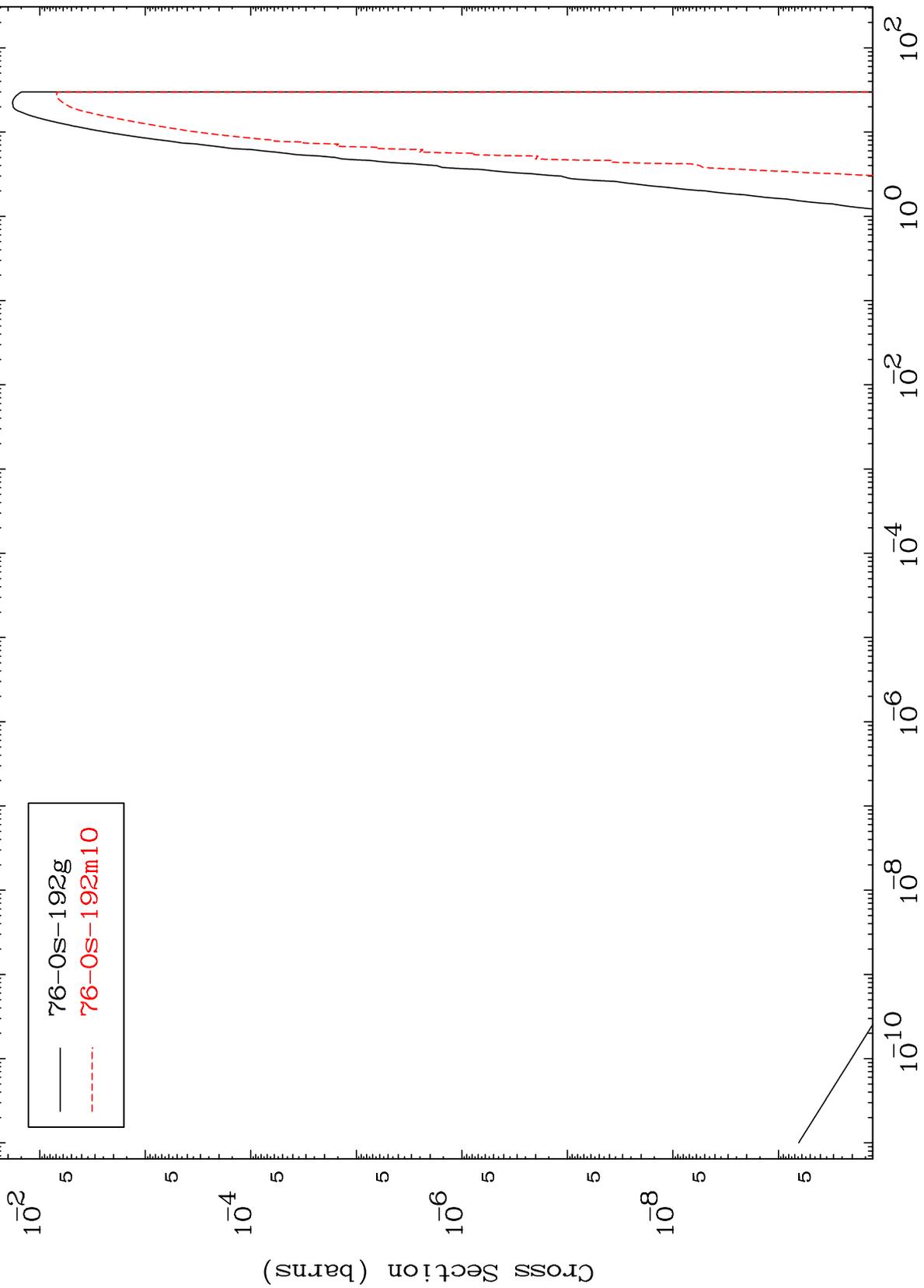


MAT 7728

(n,p)

⁷⁷Ir-192

Radionuclide Production Cross Section



134

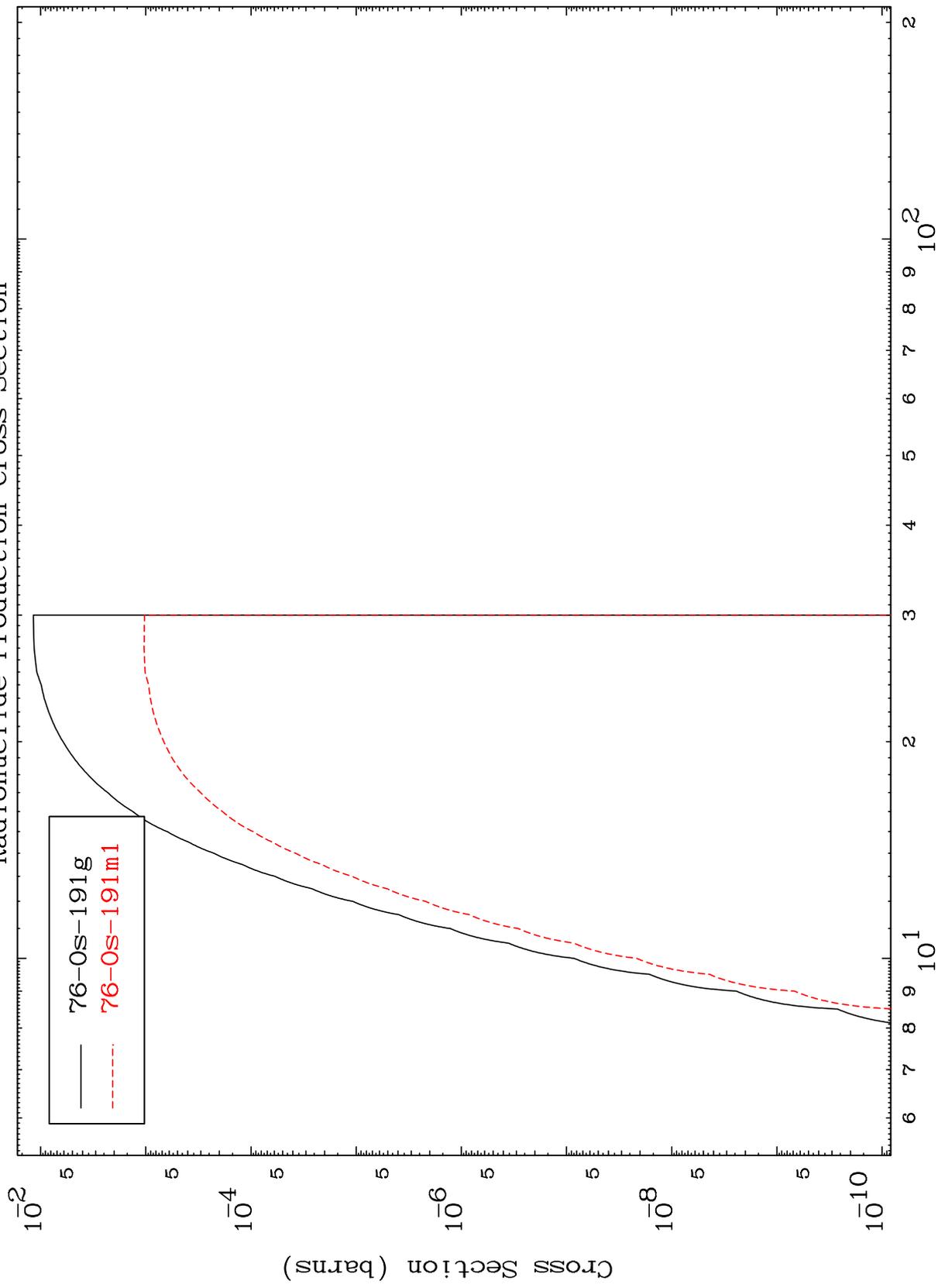
Incident Energy (MeV)

⁷⁷Ir-192

MAT 7728

77-Ir-192

(n,d)
Radionuclide Production Cross Section



135

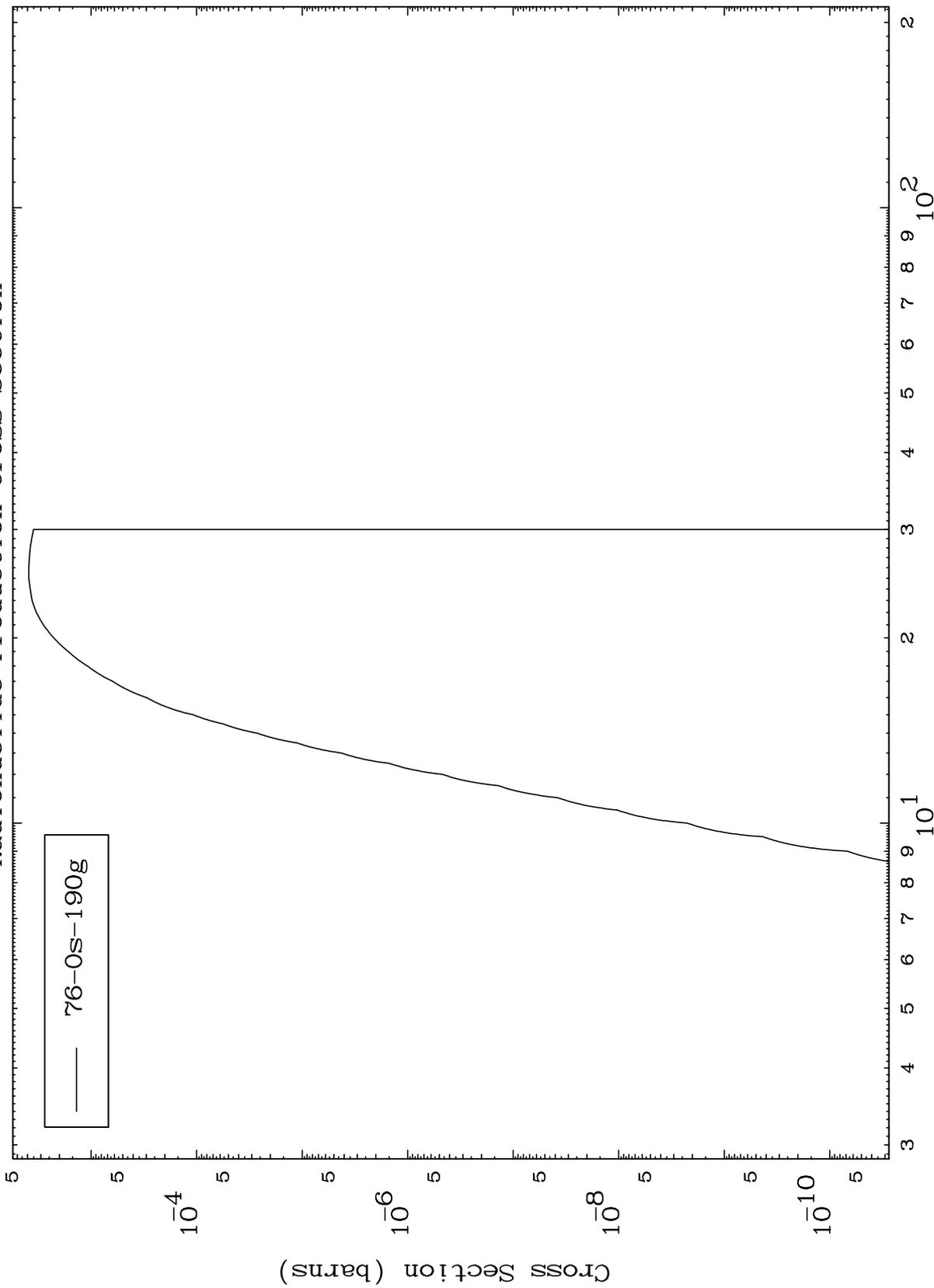
Incident Energy (MeV)

77-Ir-192

MAT 7728

77-Ir-192

(n, t)
Radionuclide Production Cross Section



77-Ir-192

Incident Energy (MeV)

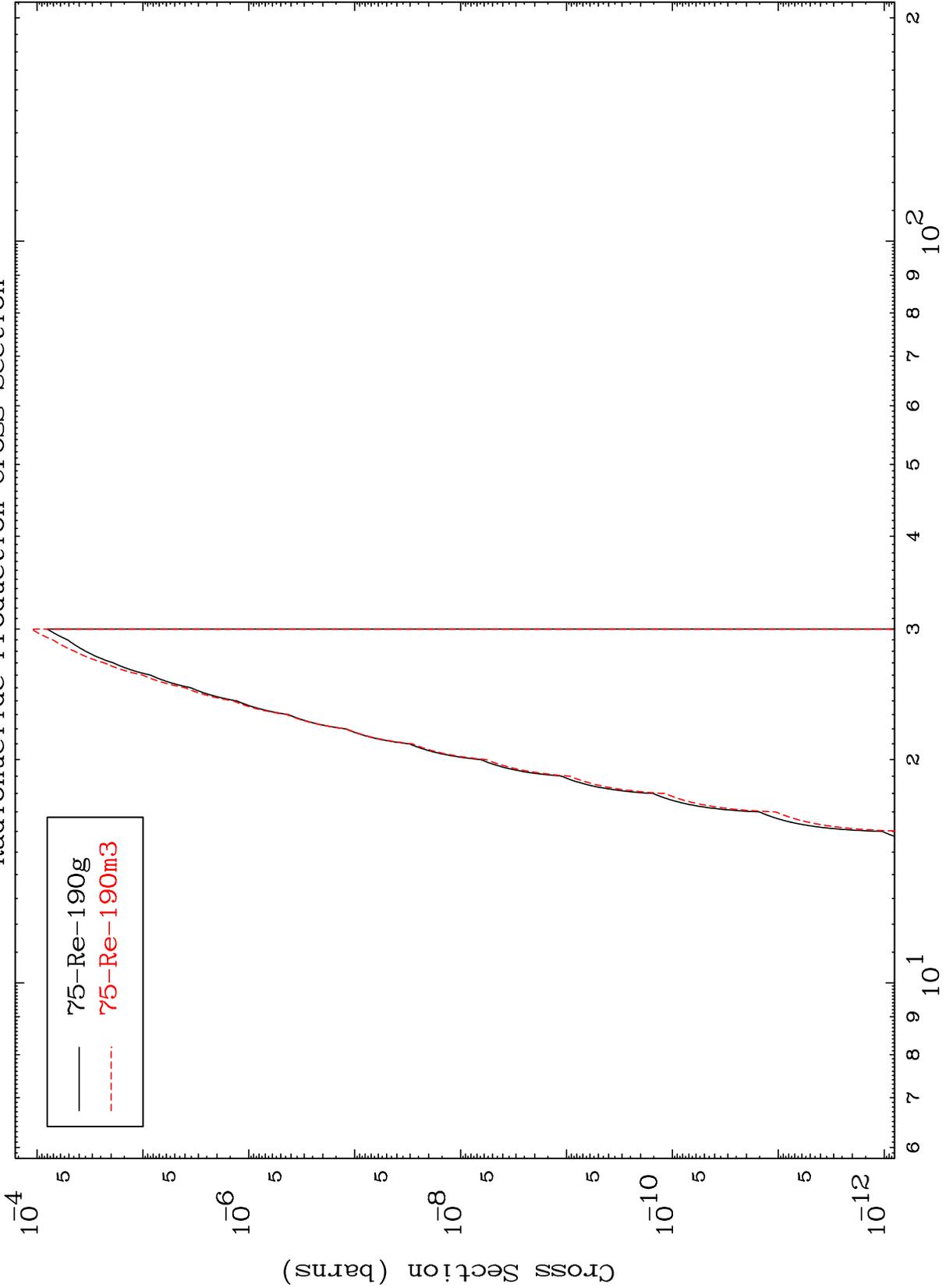
136

MAT 7728

(n,He-3)

77-Ir-192

Radionuclide Production Cross Section



75-Re-190g
75-Re-190m3

137

Incident Energy (MeV)

77-Ir-192