

Program EVALPLOT
(Version 2015-2)

by

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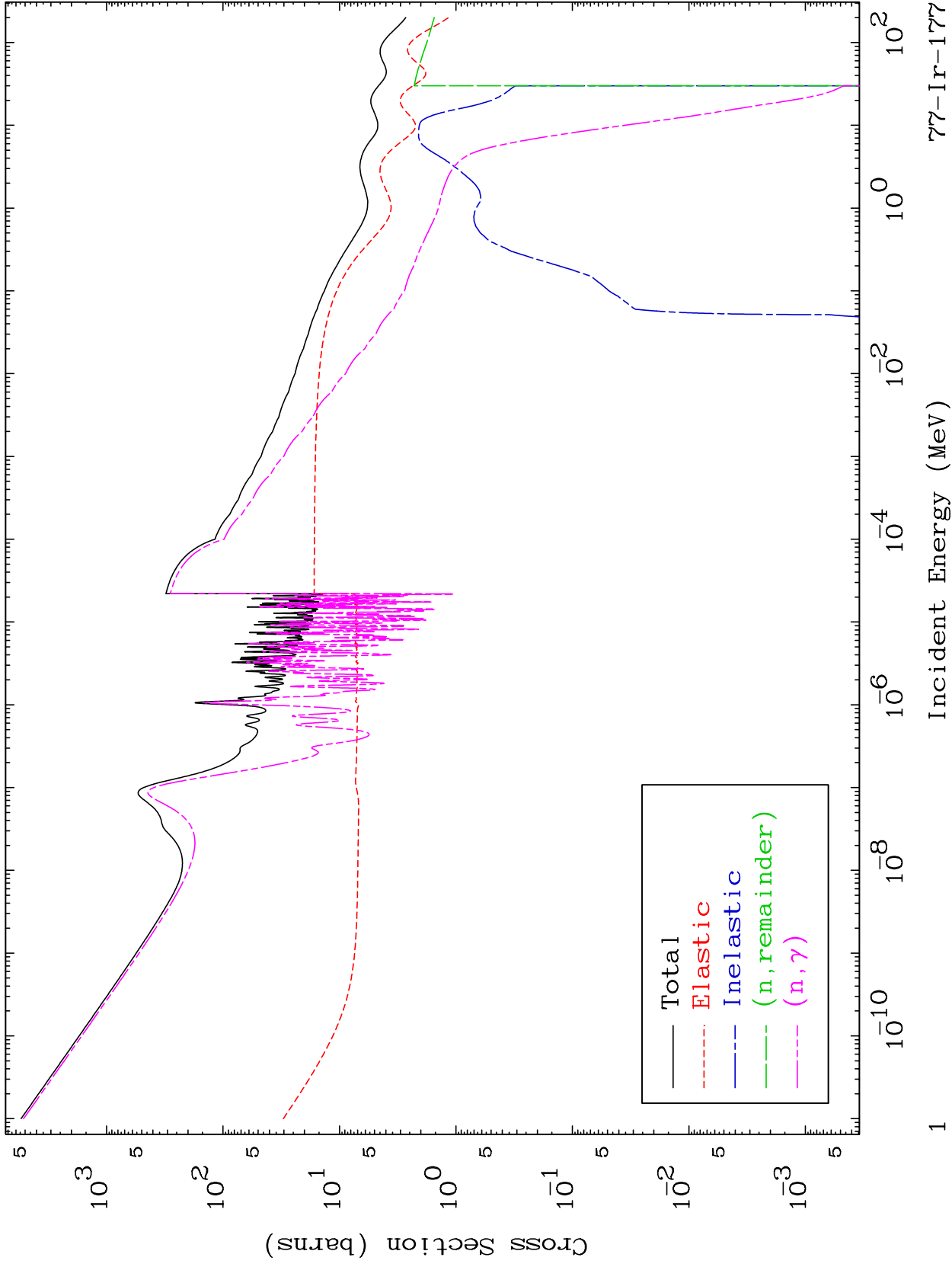
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7683

Major
293 Kelvin Cross Sections

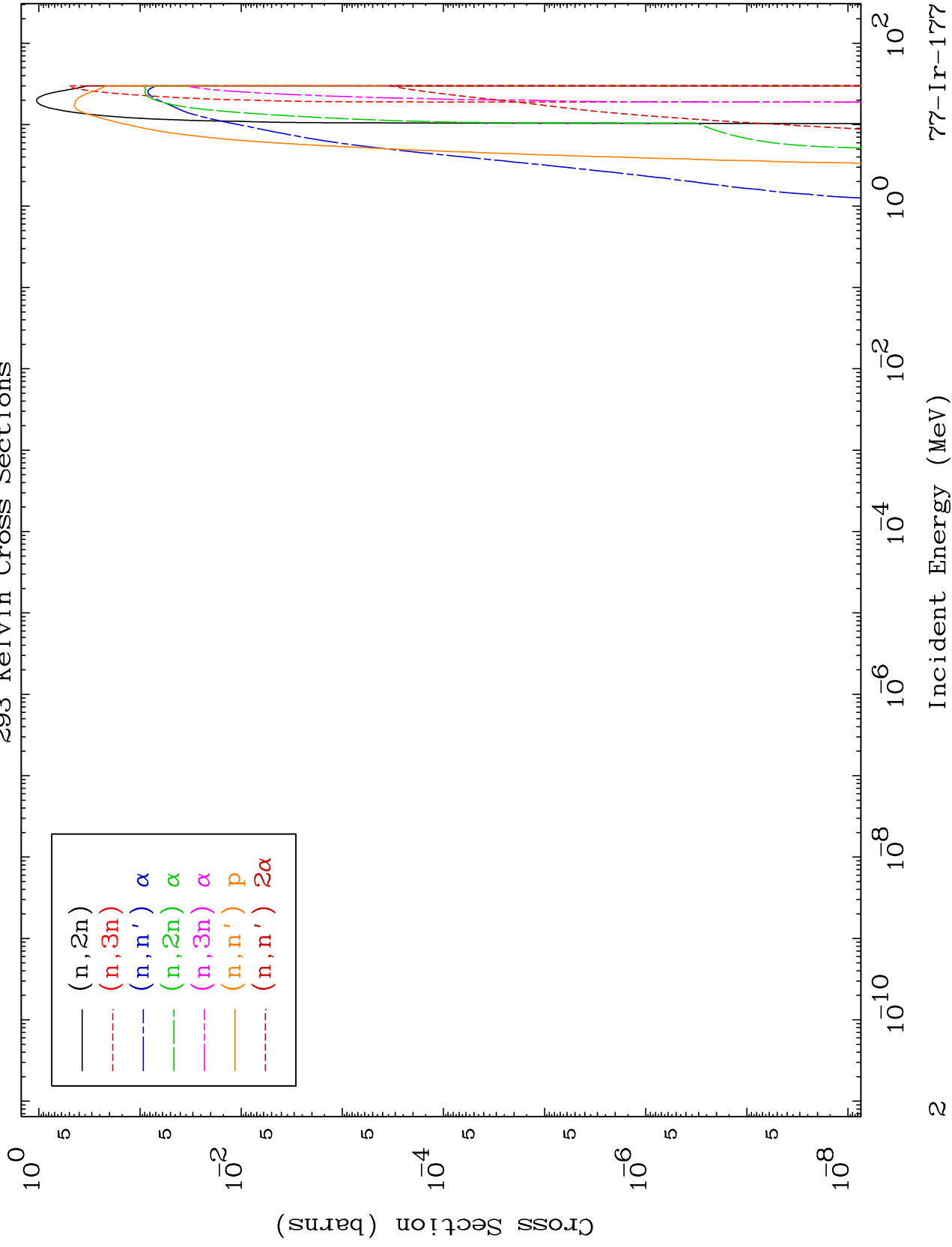
⁷⁷Ir-177



MAT 7683

Neutron Production
293 Kelvin Cross Sections

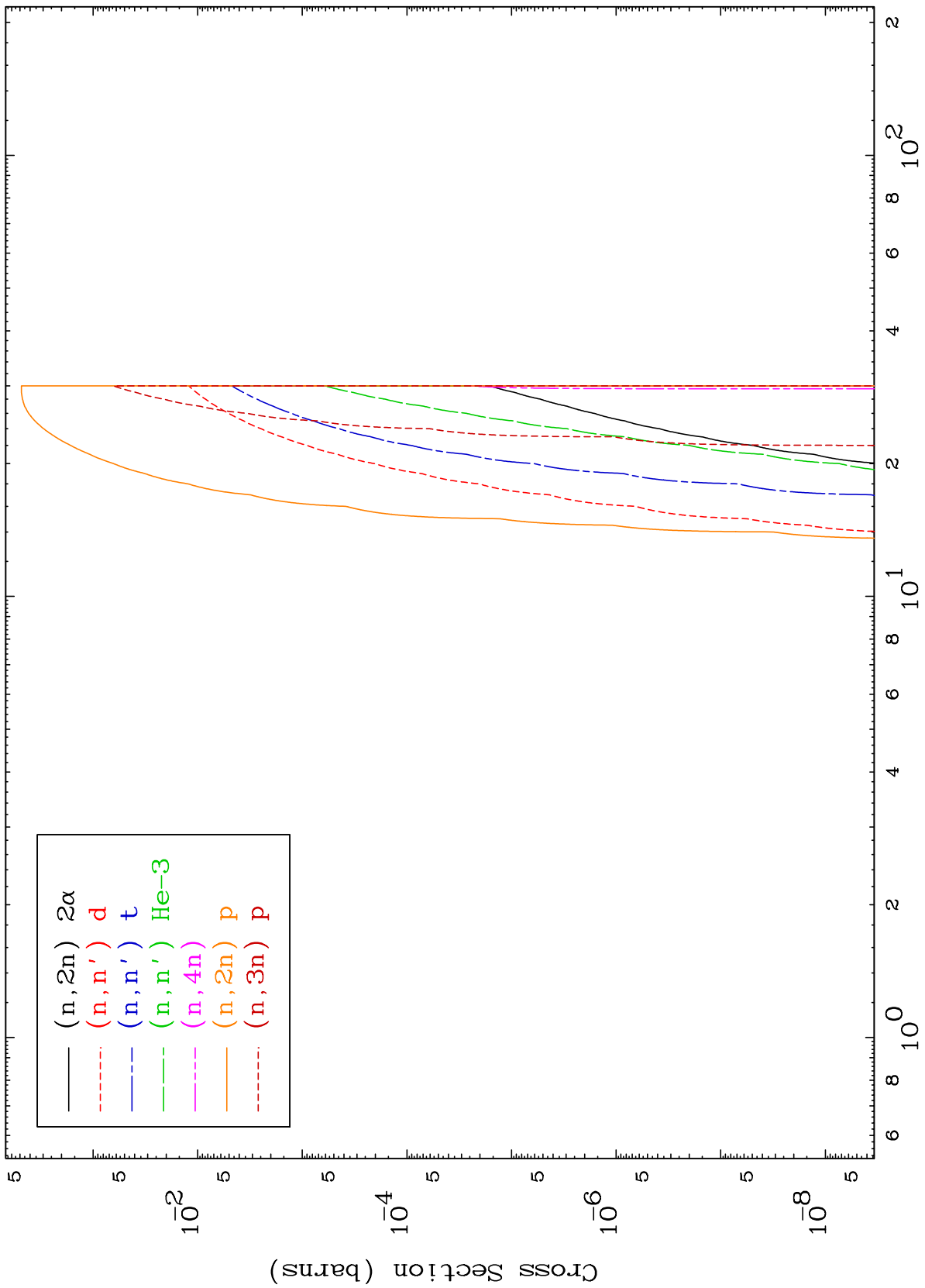
⁷⁷Ir-177



MAT 7683

Neutron Production
293 Kelvin Cross Sections

⁷⁷Ir-177



⁷⁷Ir-177

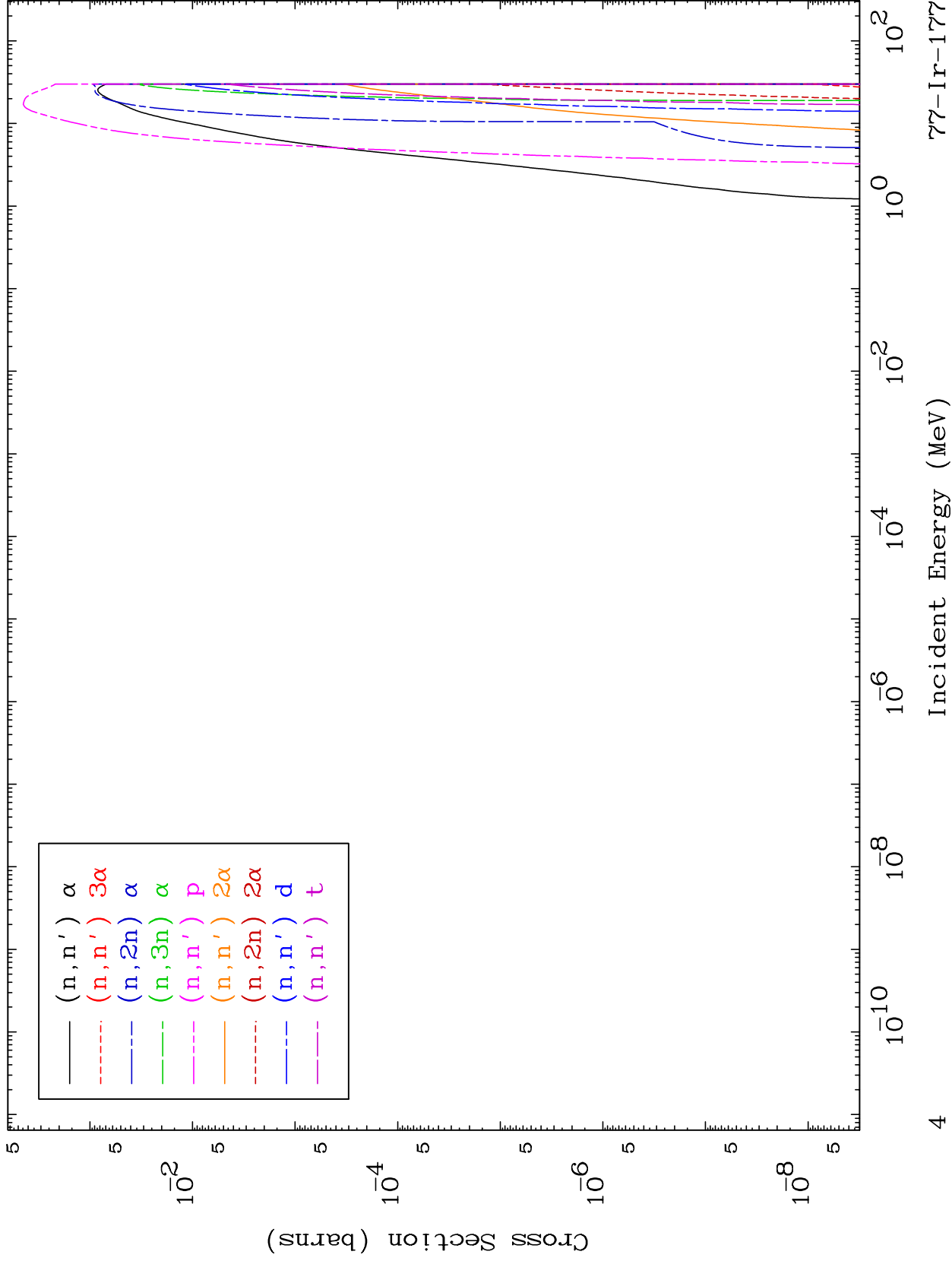
Incident Energy (MeV)

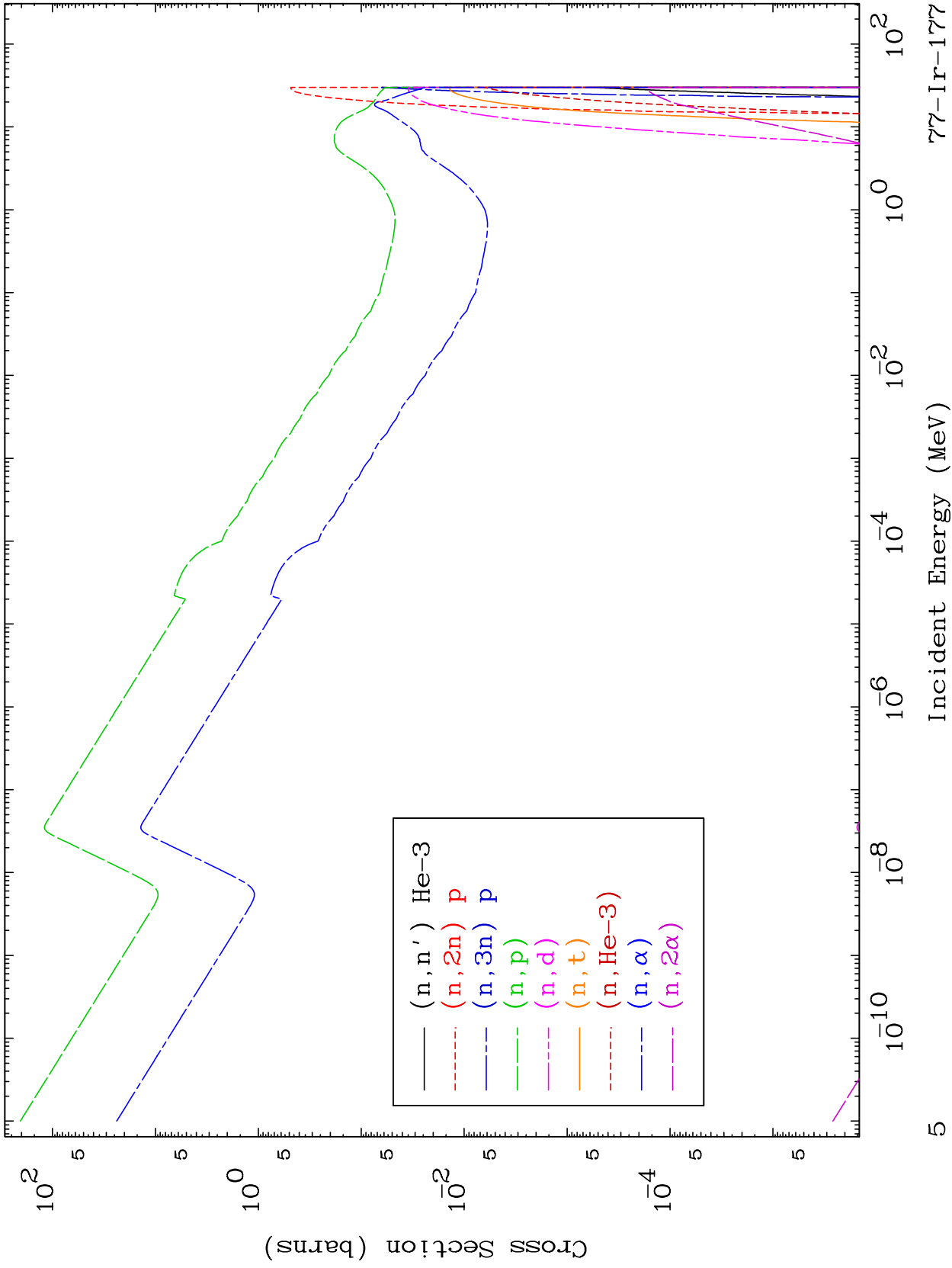
3

MAT 7683

Charged Particle
293 Kelvin Cross Sections

77-Ir-177

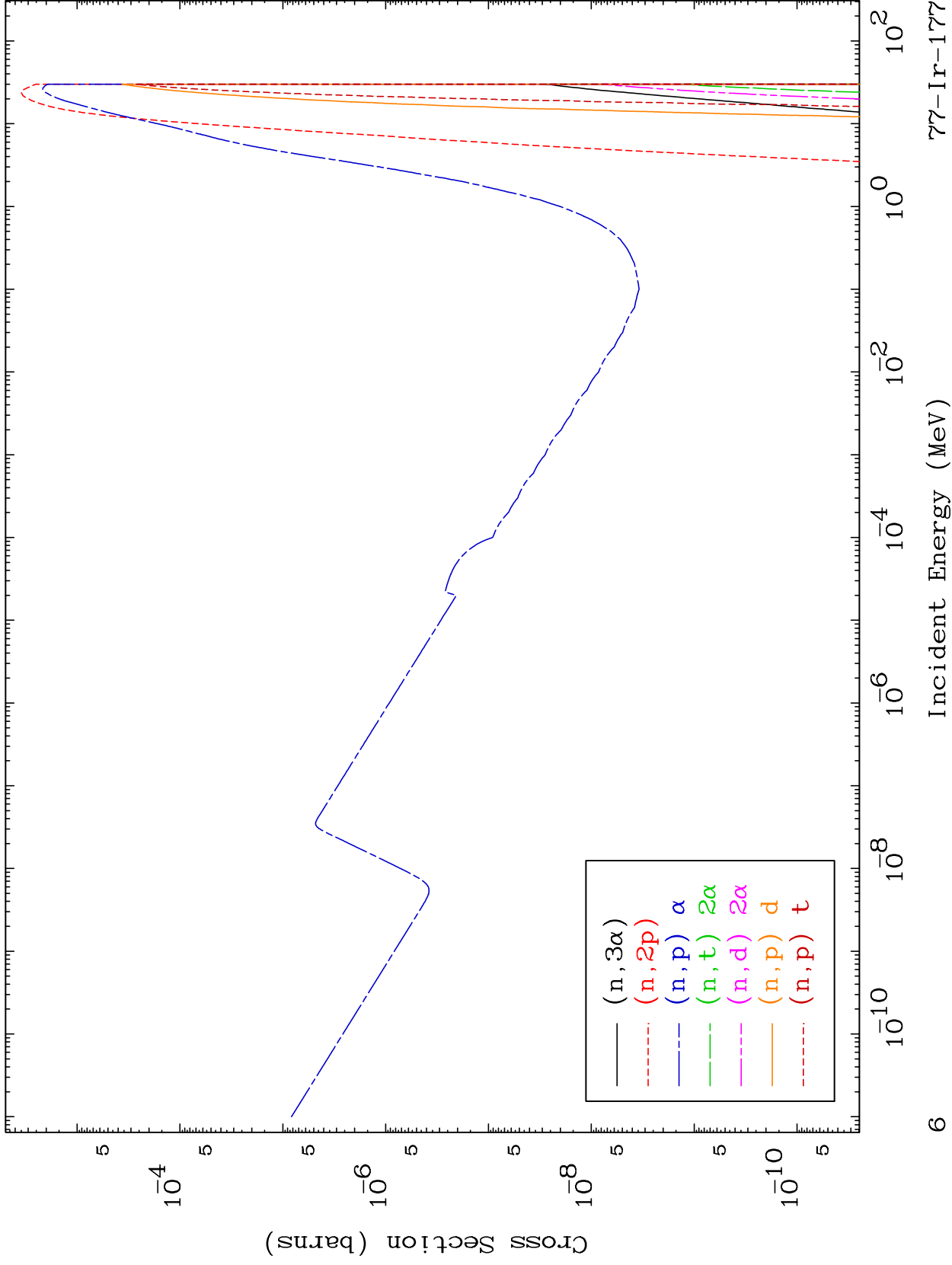




MAT 7683

Charged Particle
293 Kelvin Cross Sections

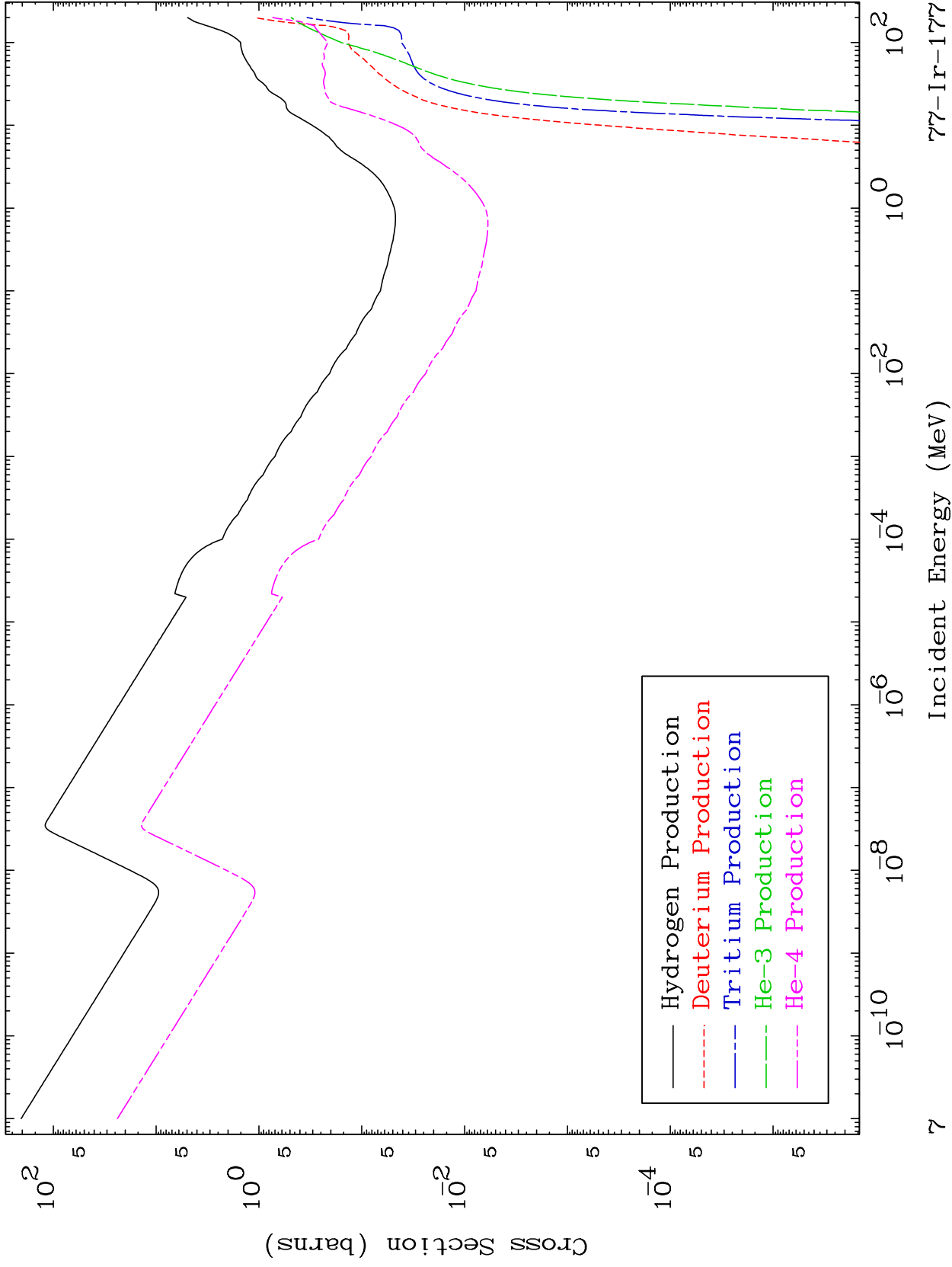
⁷⁷Ir-177



MAT 7683

Particle Production
293 Kelvin Cross Sections

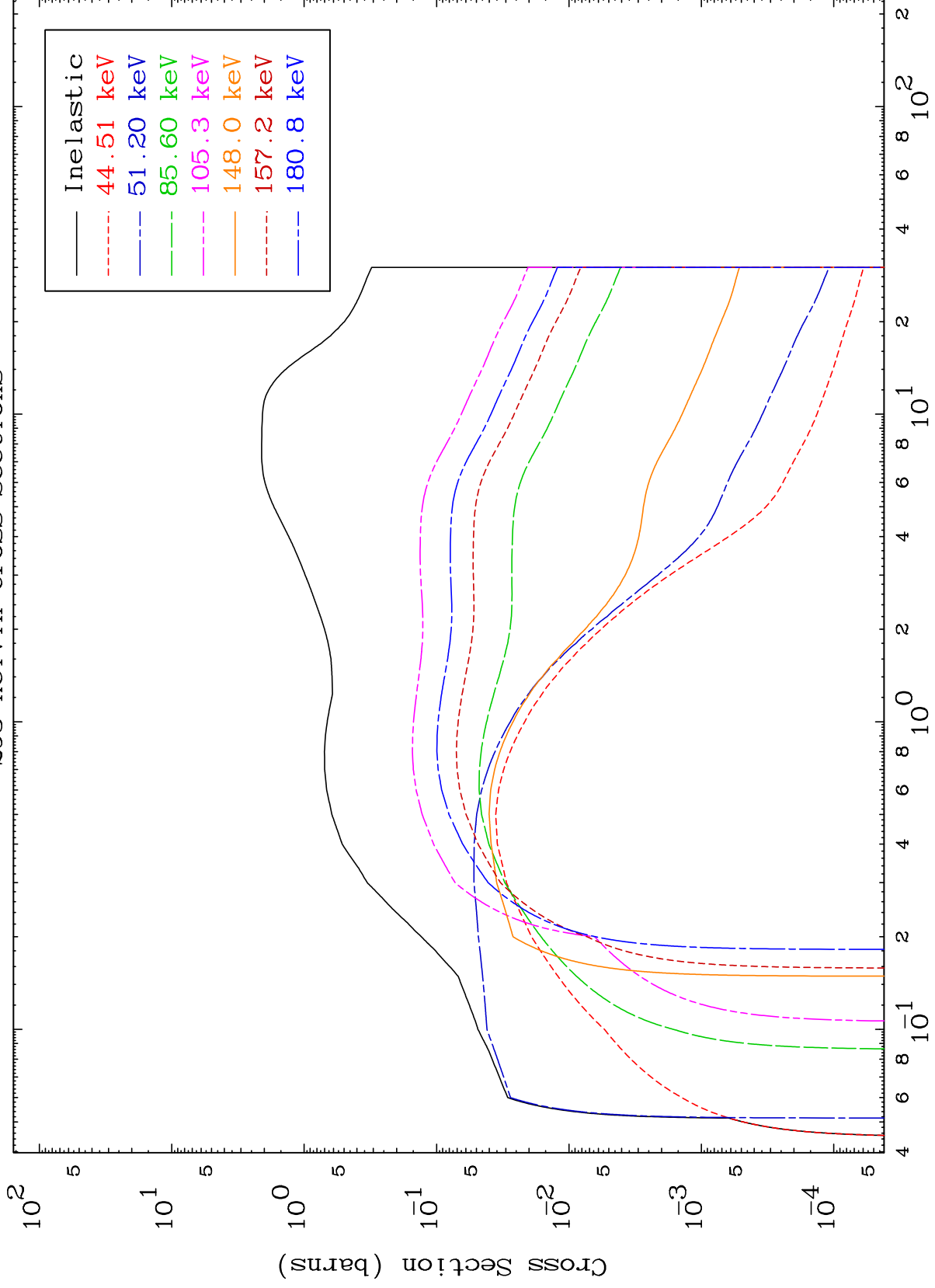
77-Ir-177



MAT 7683

(n,n') Level
293 Kelvin Cross Sections

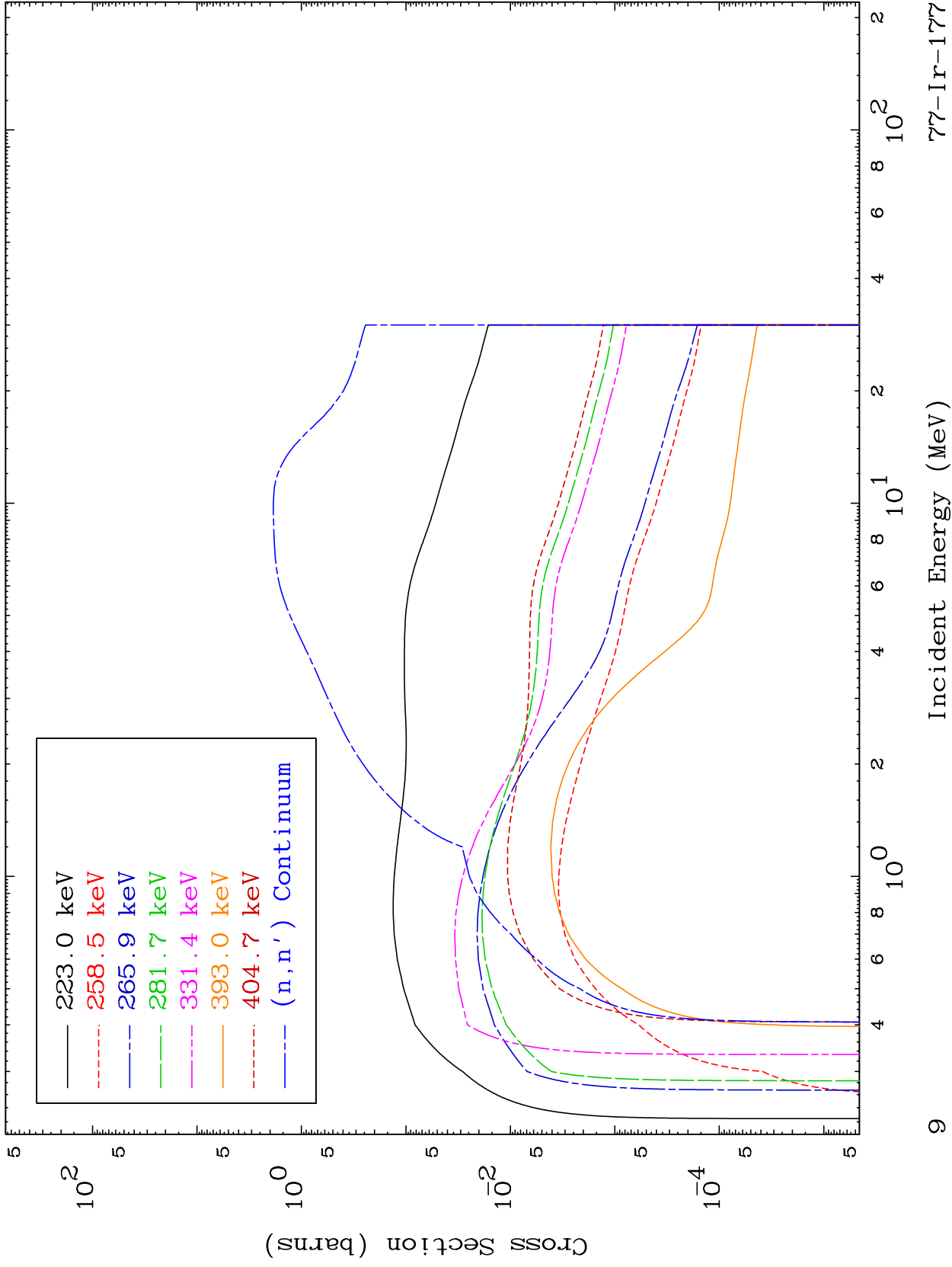
77-Ir-177



8

Incident Energy (MeV)

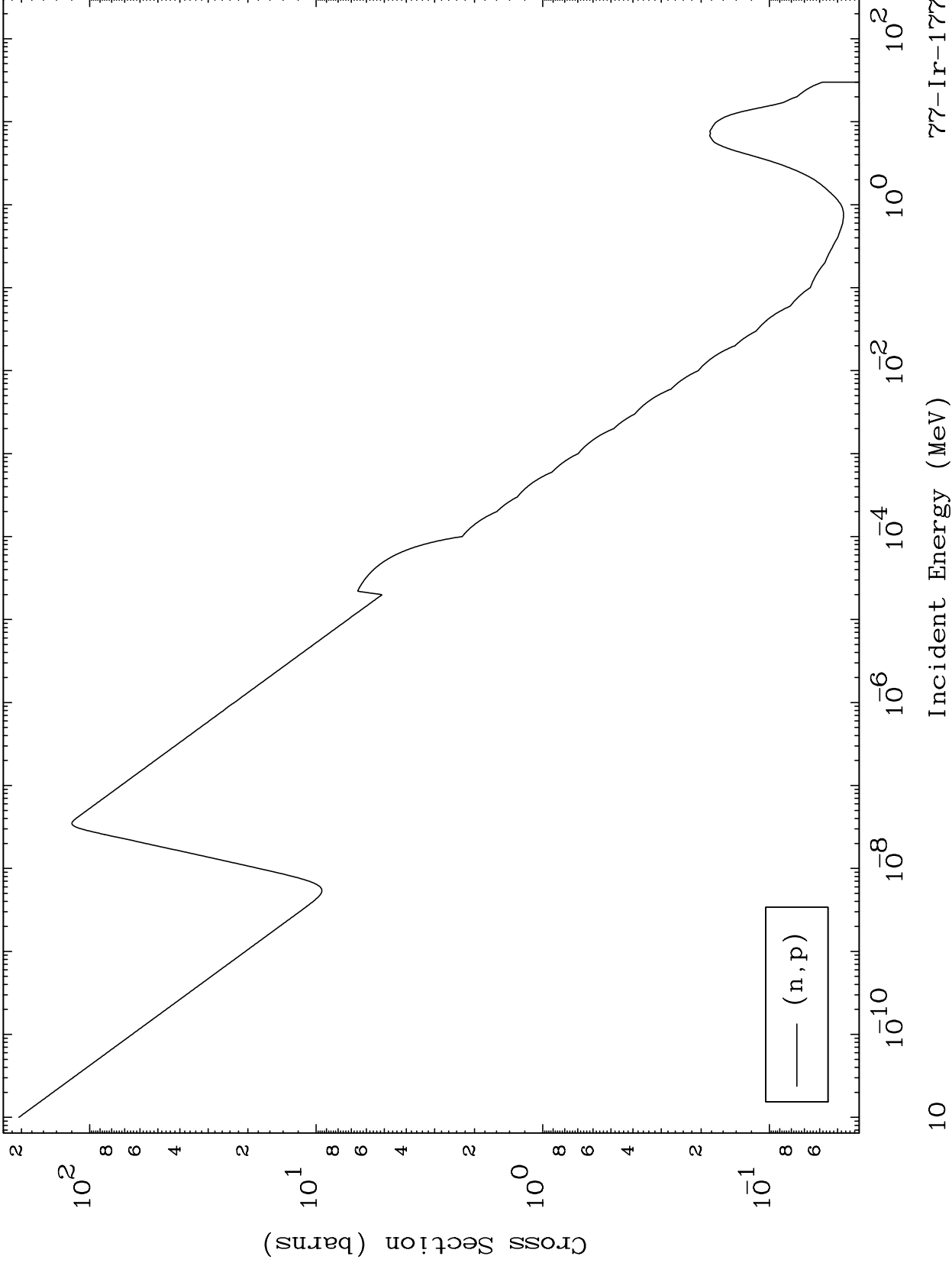
77-Ir-177



MAT 7683

(n,p) Levels
293 Kelvin Cross Sections

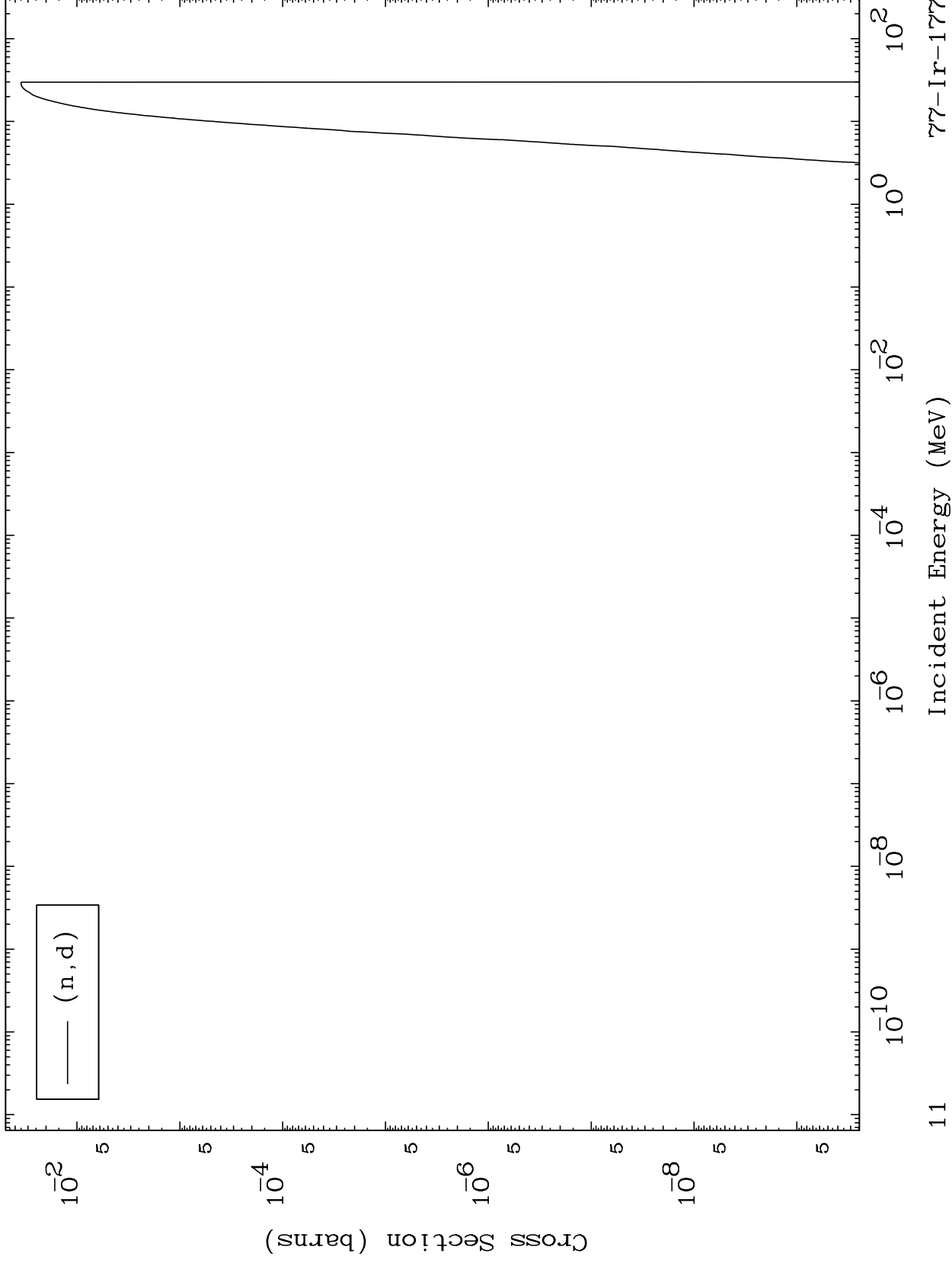
77-Ir-177



MAT 7683

(n,d) Levels
293 Kelvin Cross Sections

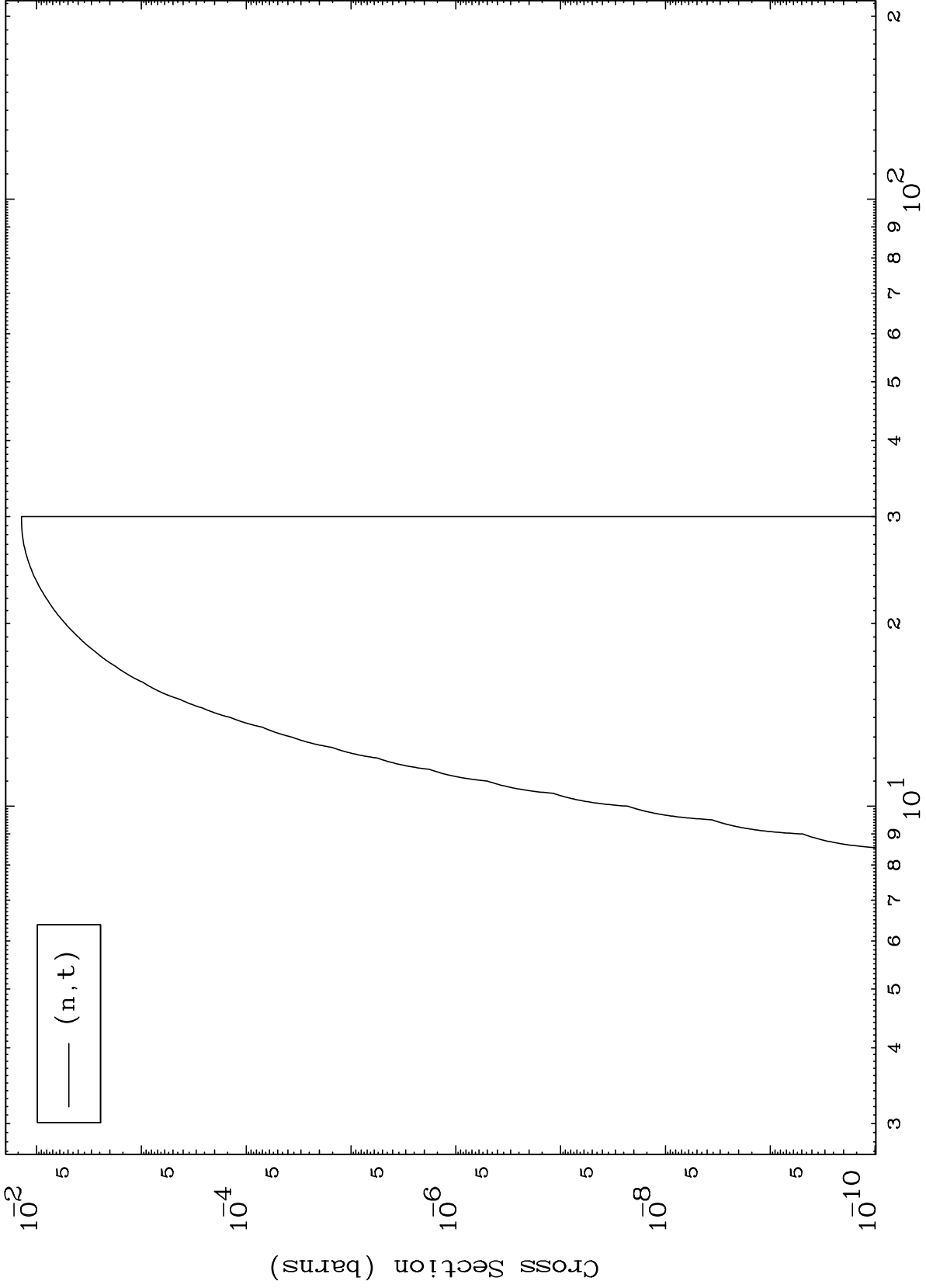
⁷⁷Ir-177



MAT 7683

(n,t) Levels
293 Kelvin Cross Sections

⁷⁷Ir-177



12

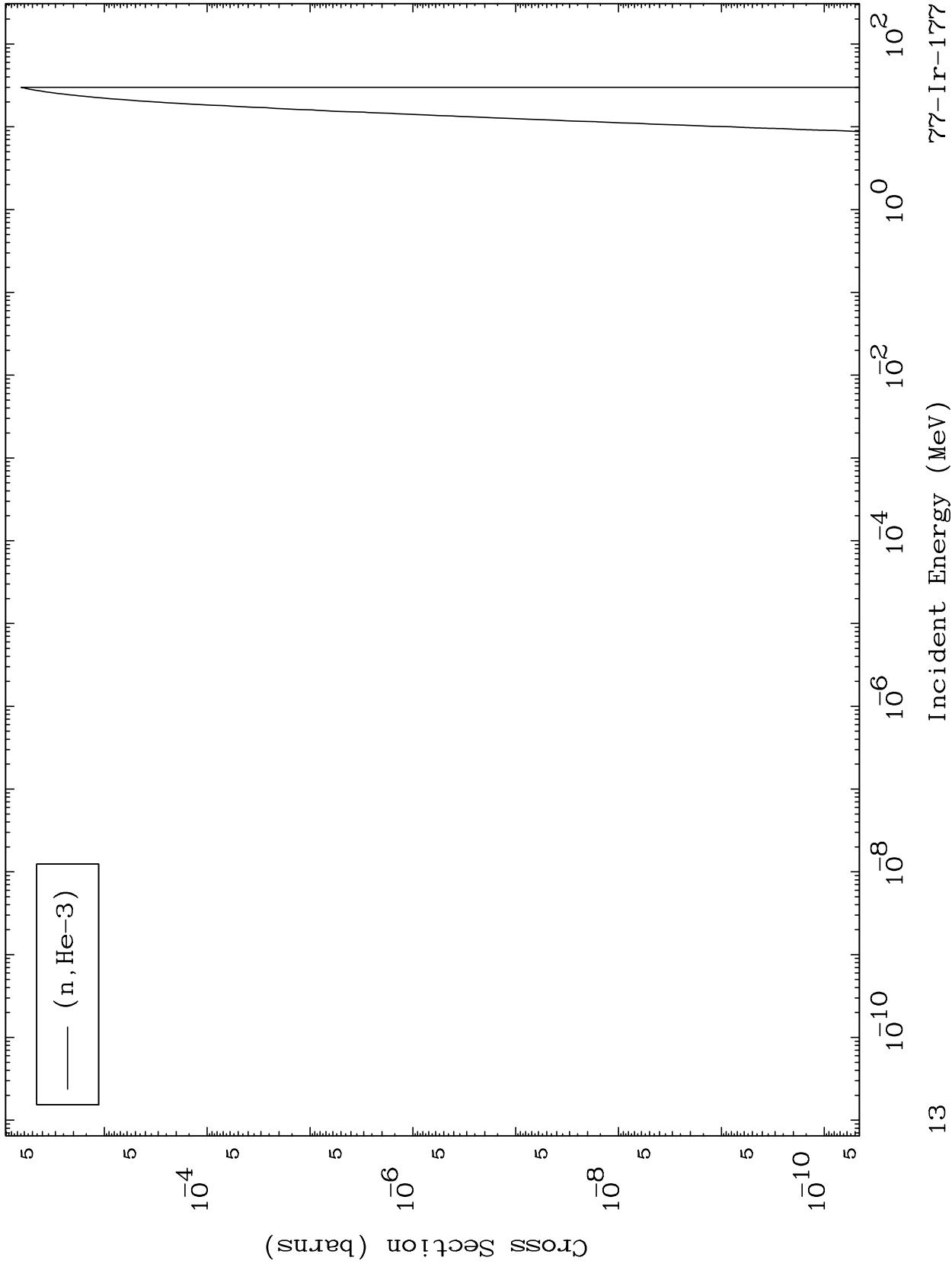
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

(n,He3) Levels
293 Kelvin Cross Sections

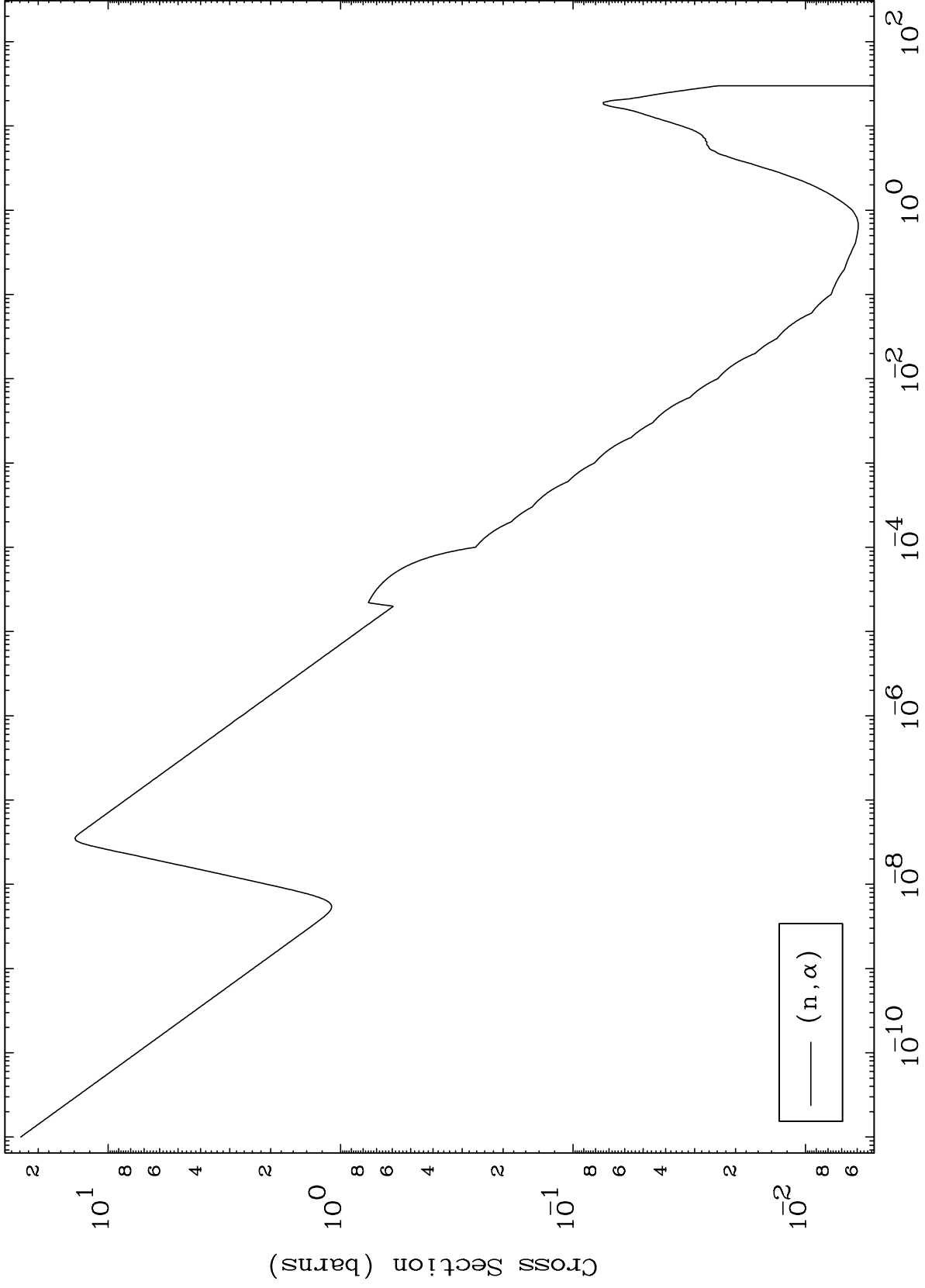
77-Ir-177

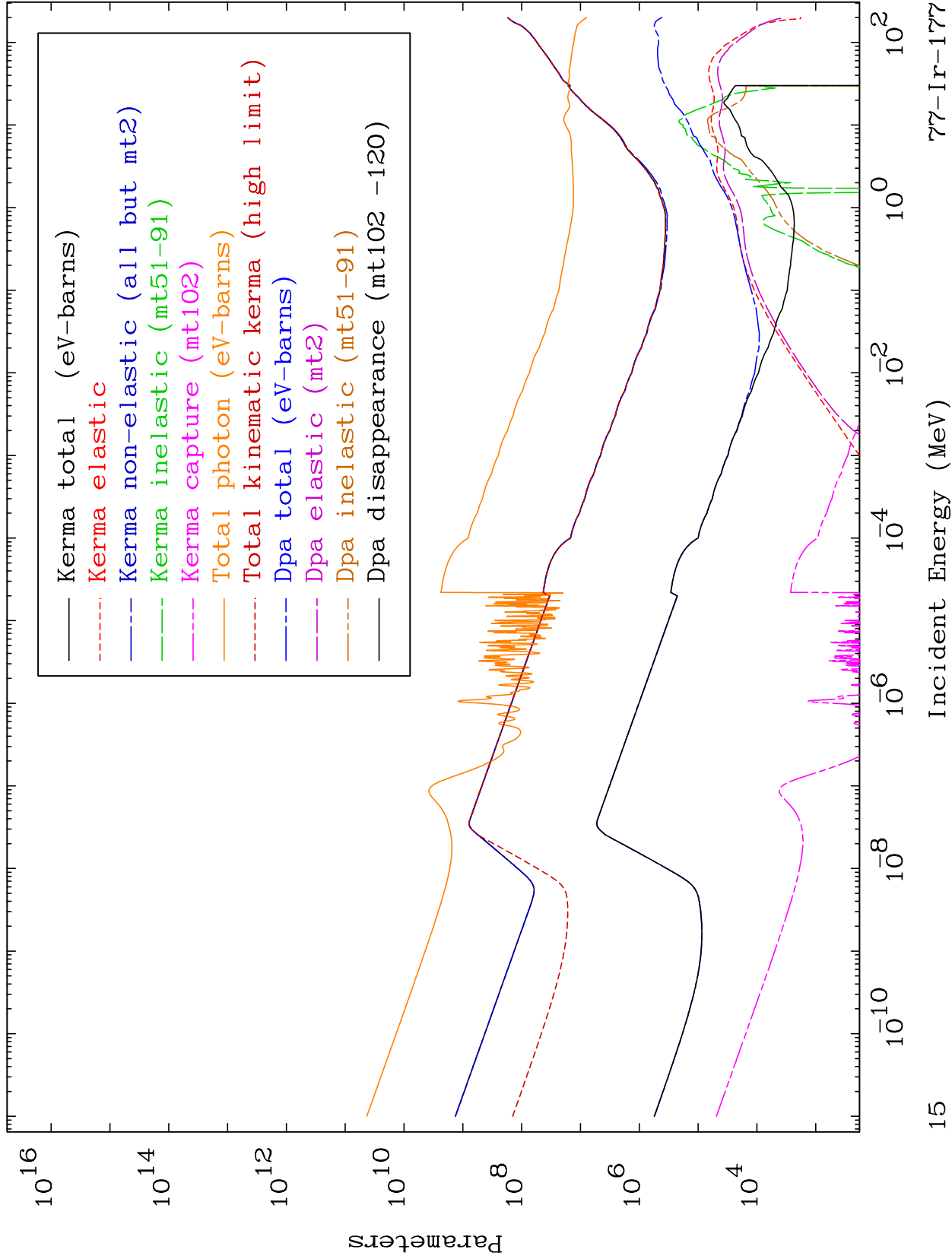


MAT 7683

(n,α) Levels
293 Kelvin Cross Sections

77-Ir-177

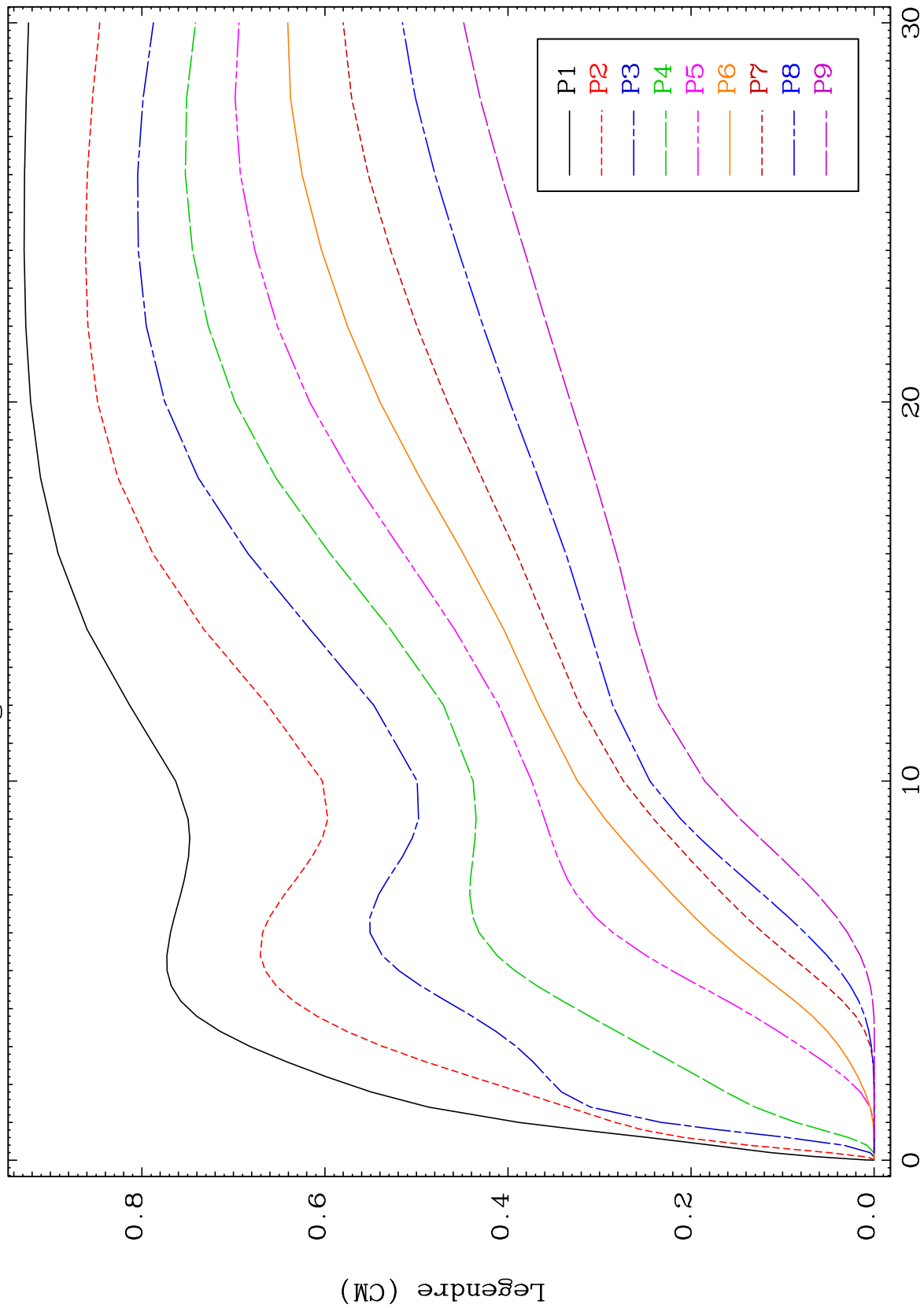




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Elastic Legendre Coefficients

⁷⁷Ir-177



16

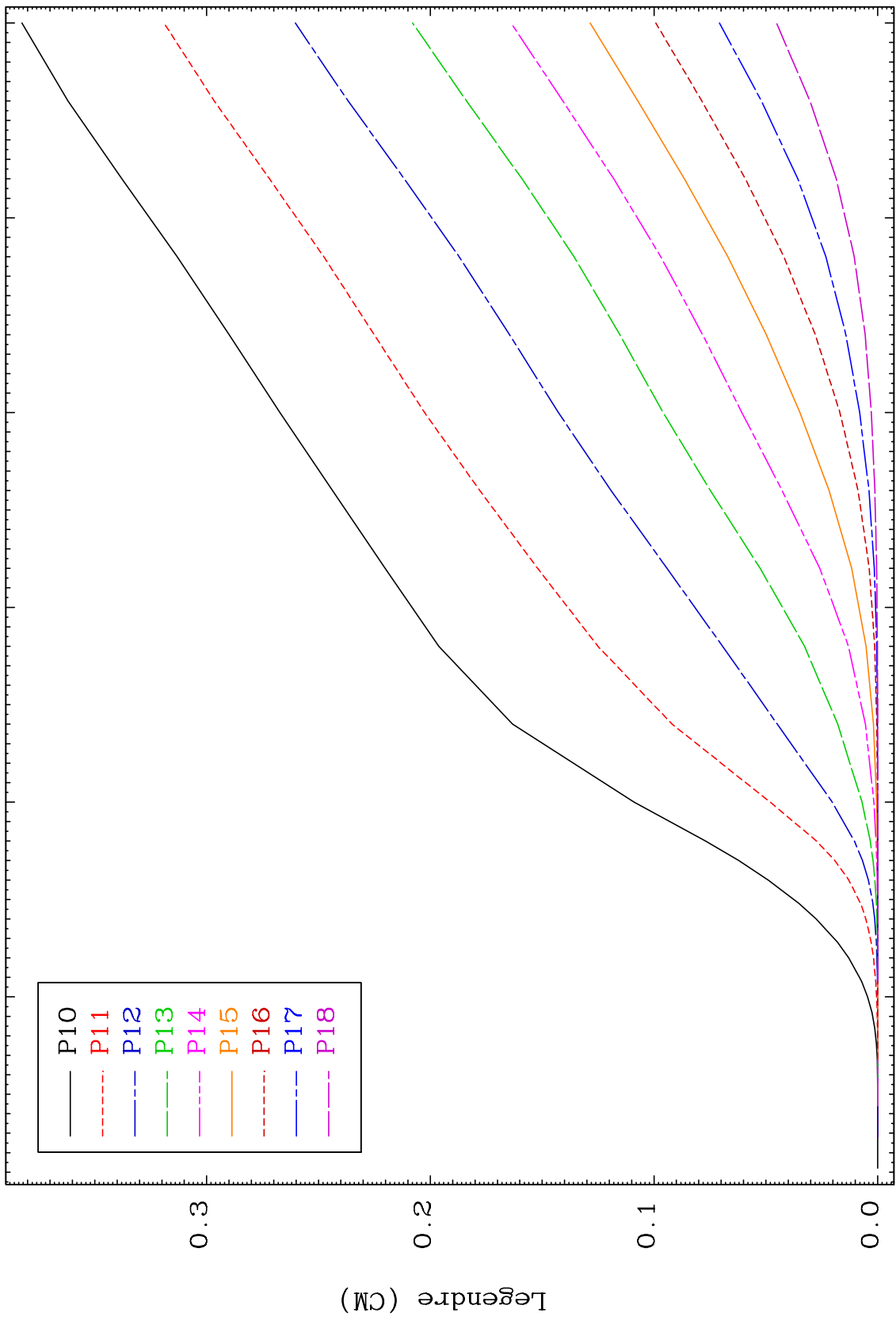
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



17

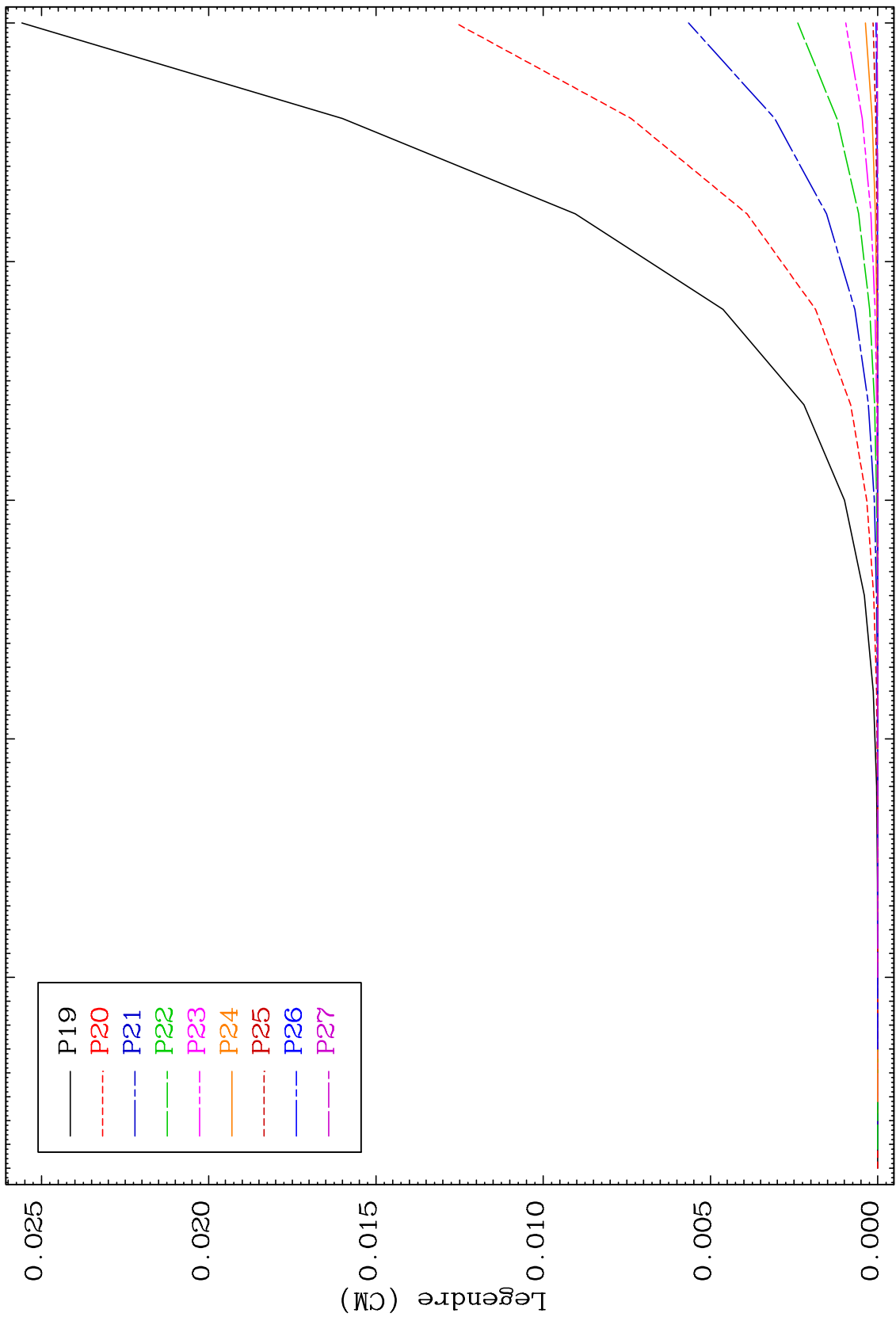
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



18

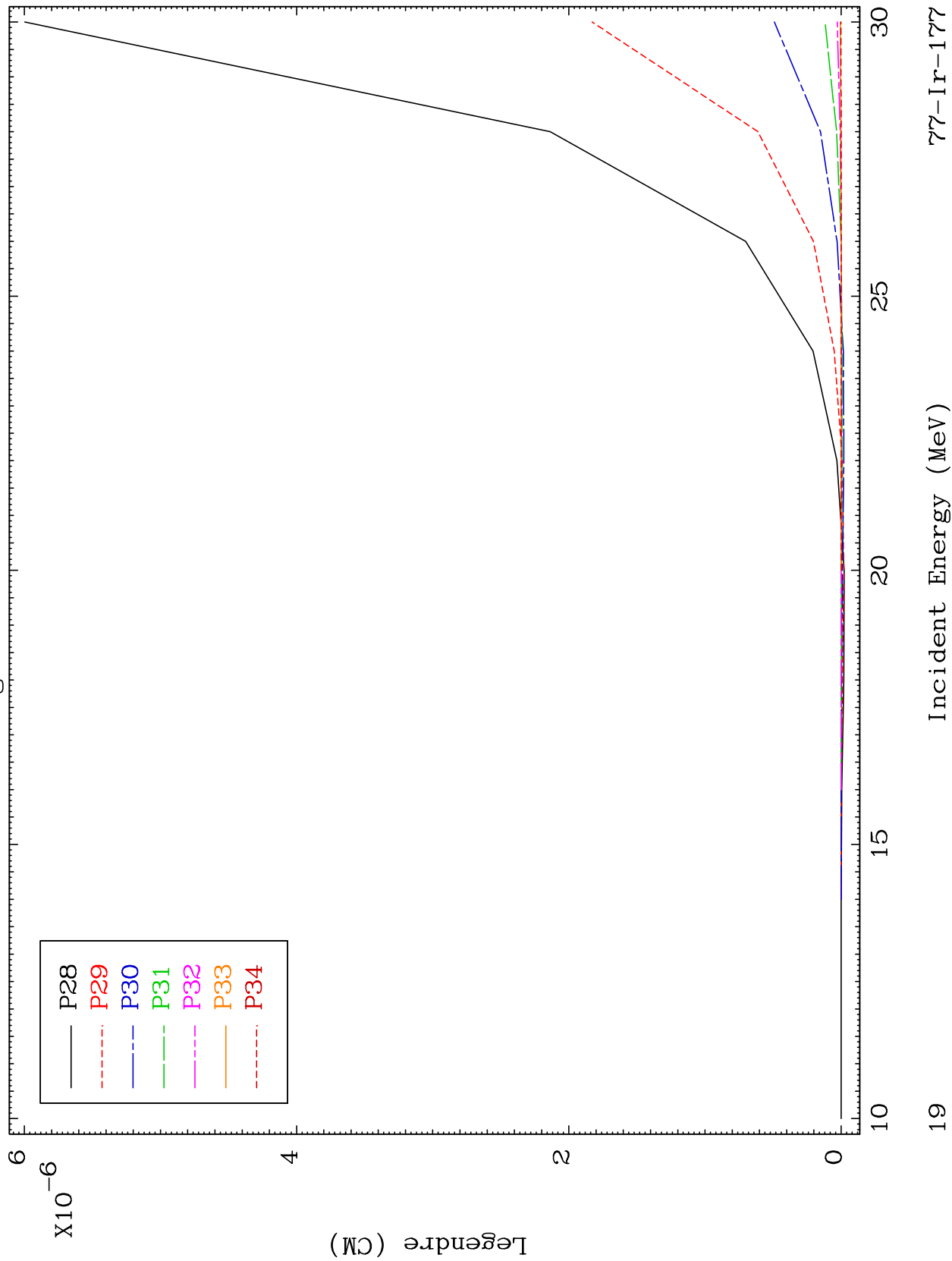
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



⁷⁷Ir-177

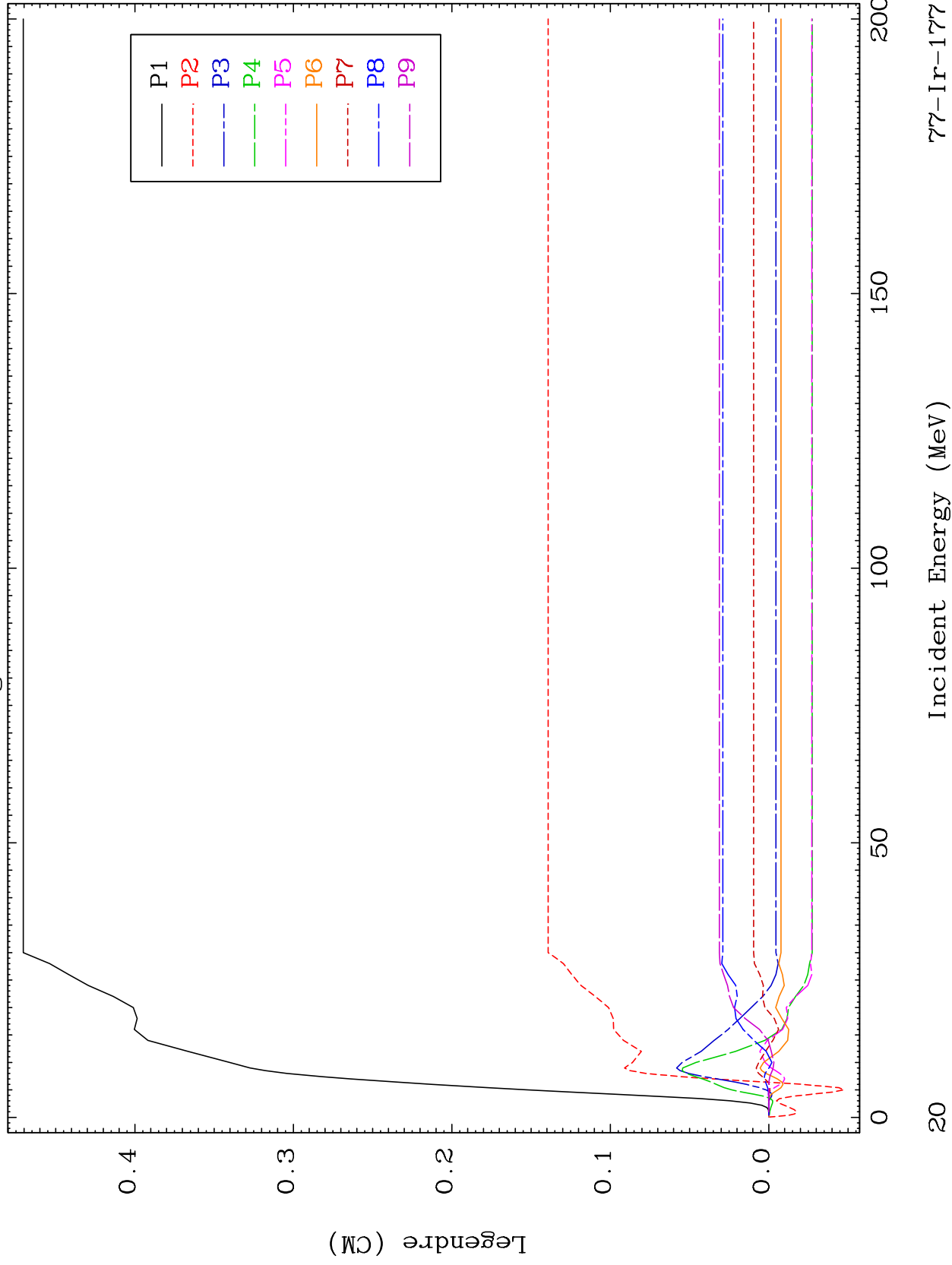
Incident Energy (MeV)

19

MAT 7683

44.51 keV (n,n') Level
Legendre Coefficients

⁷⁷Ir-177

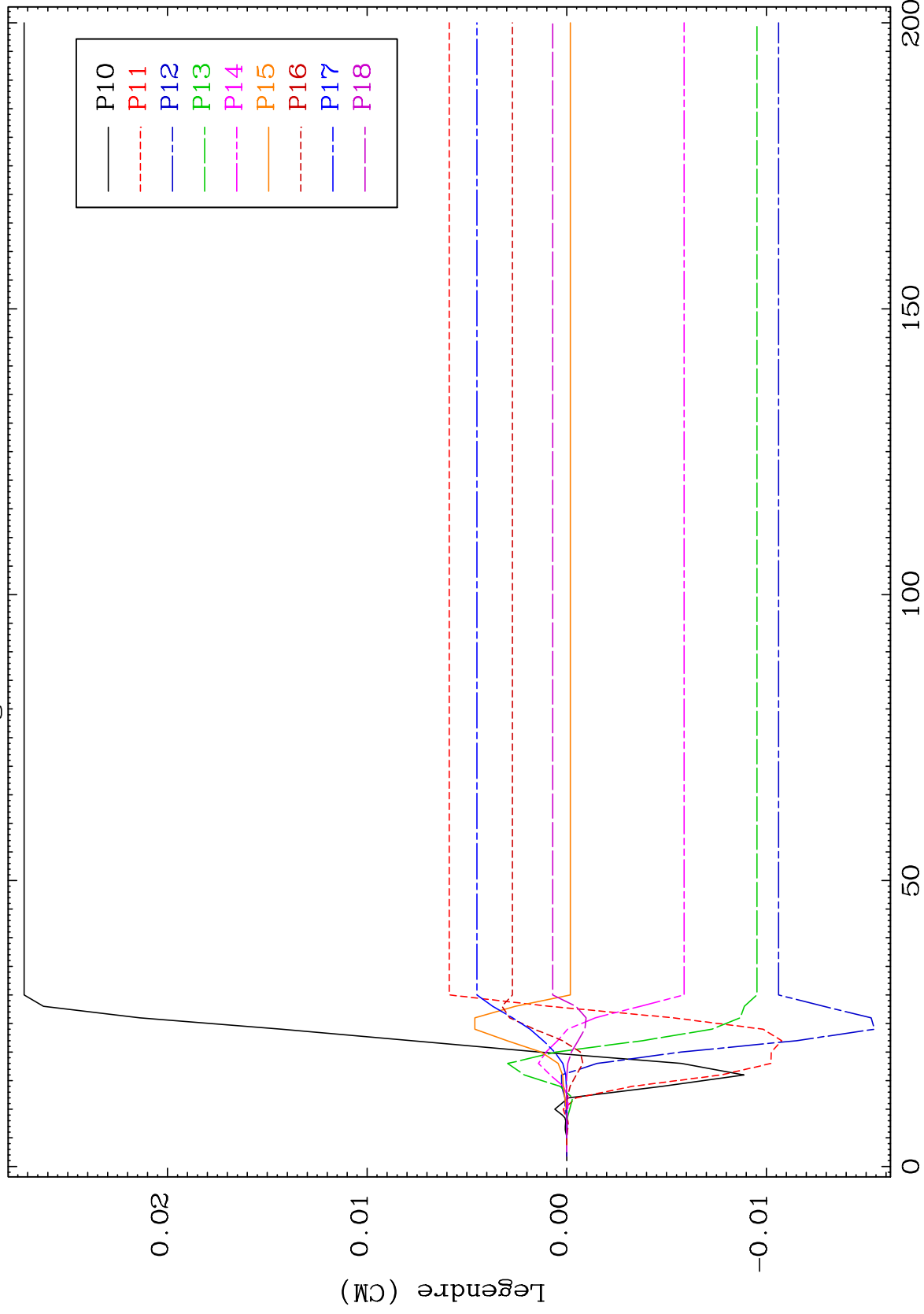


⁷⁷Ir-177

MAT 7683

44.51 keV (n,n') Level
Legendre Coefficients

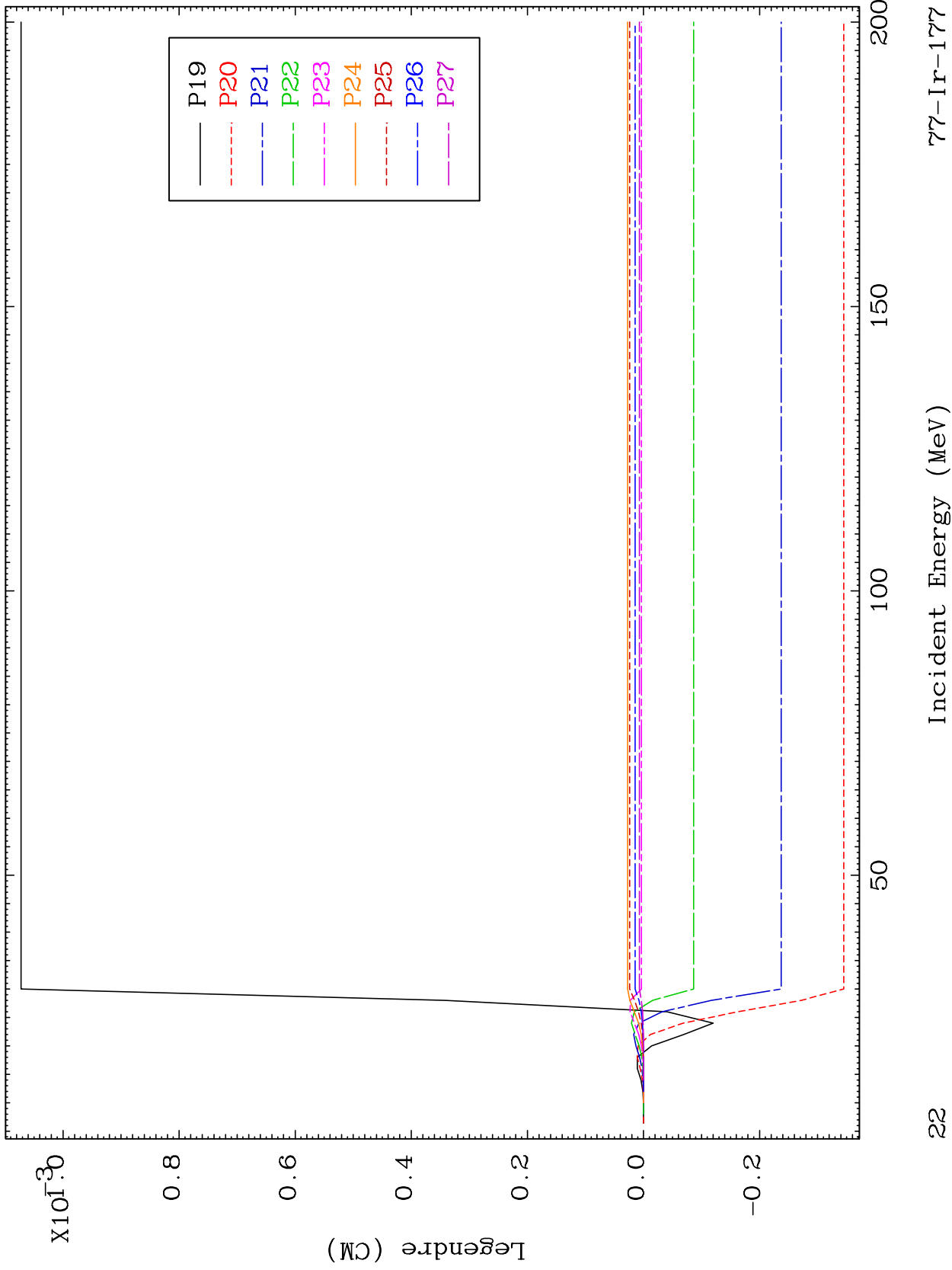
77-Ir-177



21

Incident Energy (MeV)

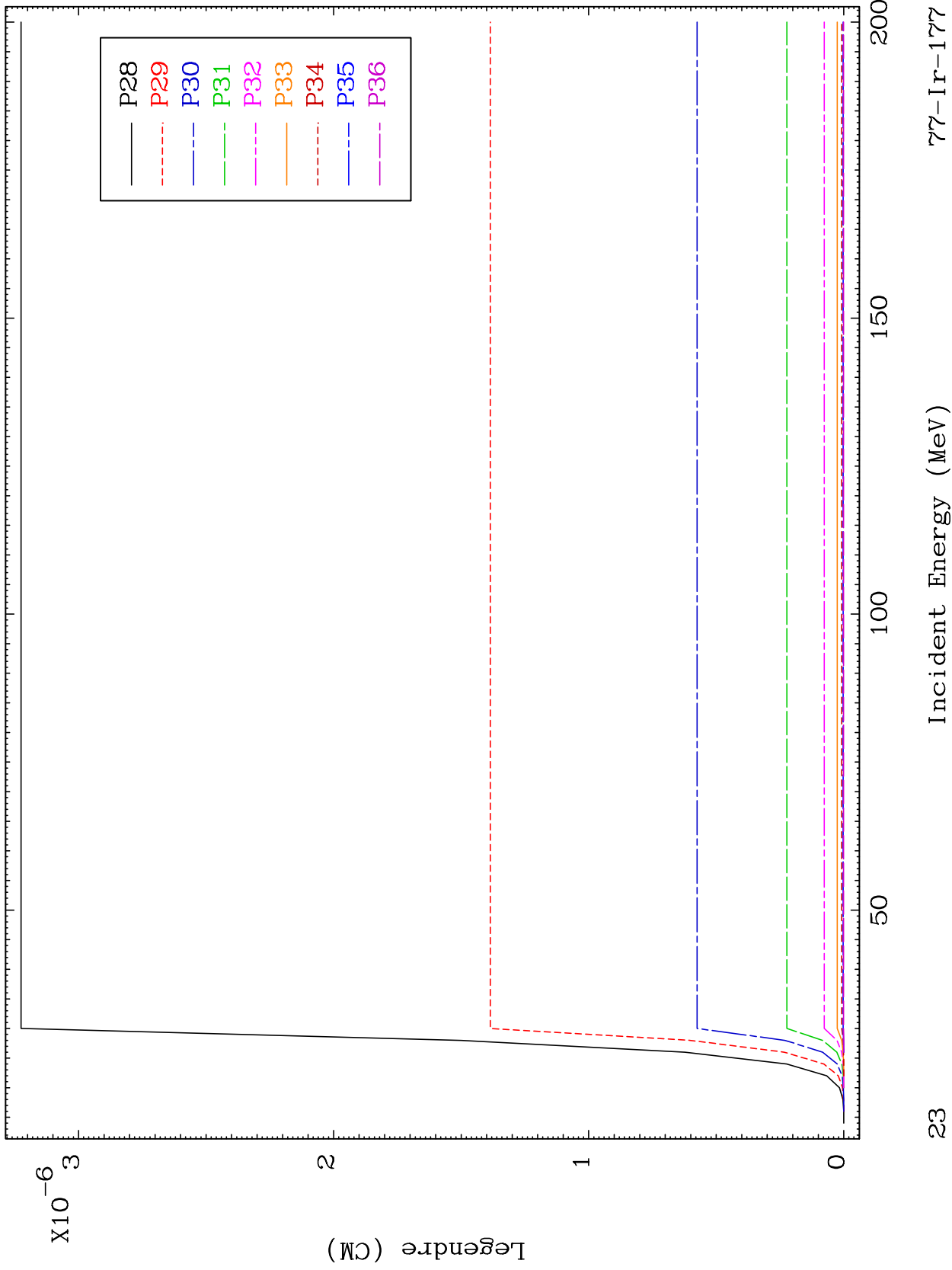
77-Ir-177



MAT 7683

44.51 keV (n,n') Level
Legendre Coefficients

77-Ir-177



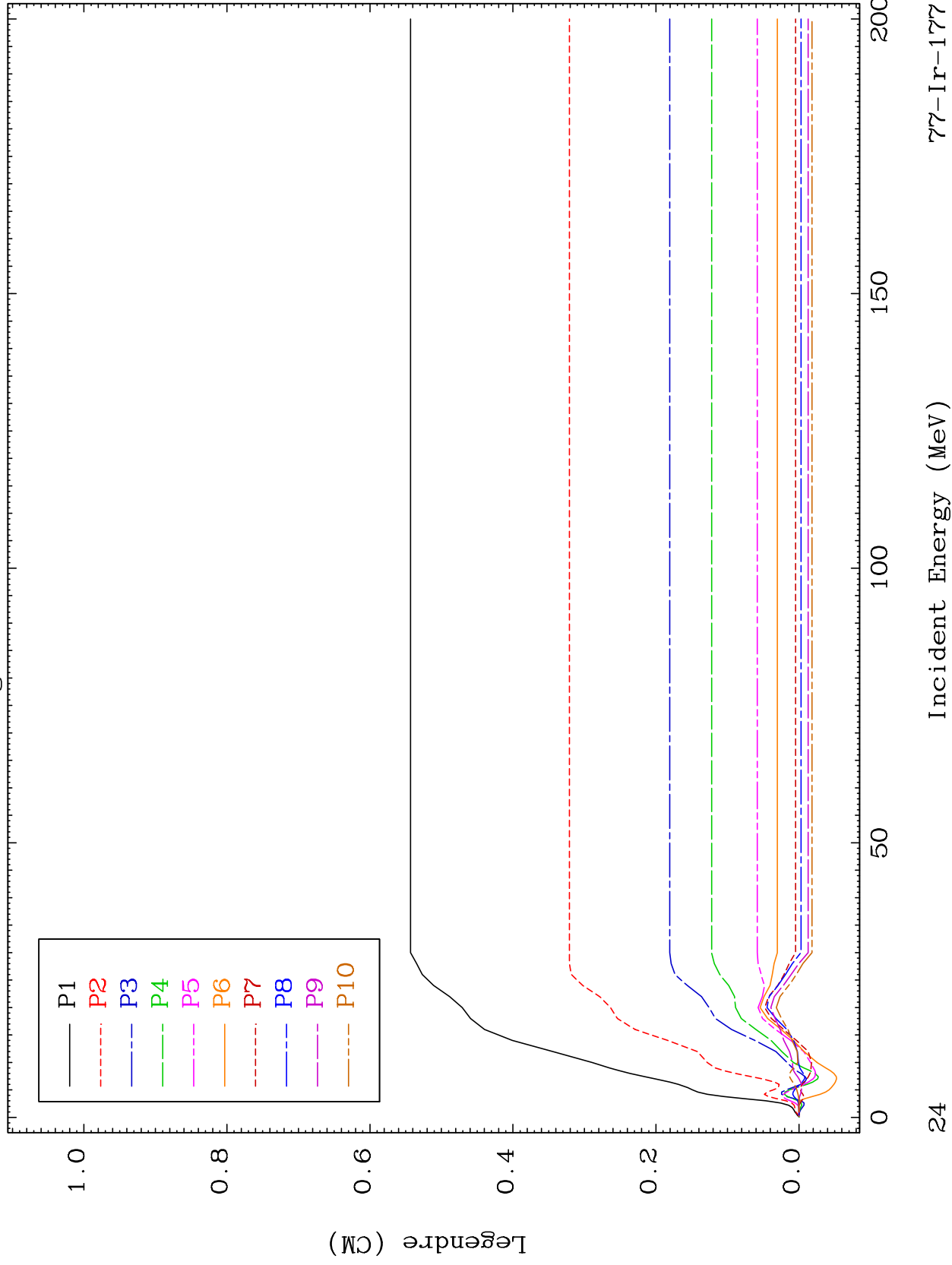
23

77-Ir-177

MAT 7683

51.20 keV (n,n') Level
Legendre Coefficients

⁷⁷Ir-177



⁷⁷Ir-177

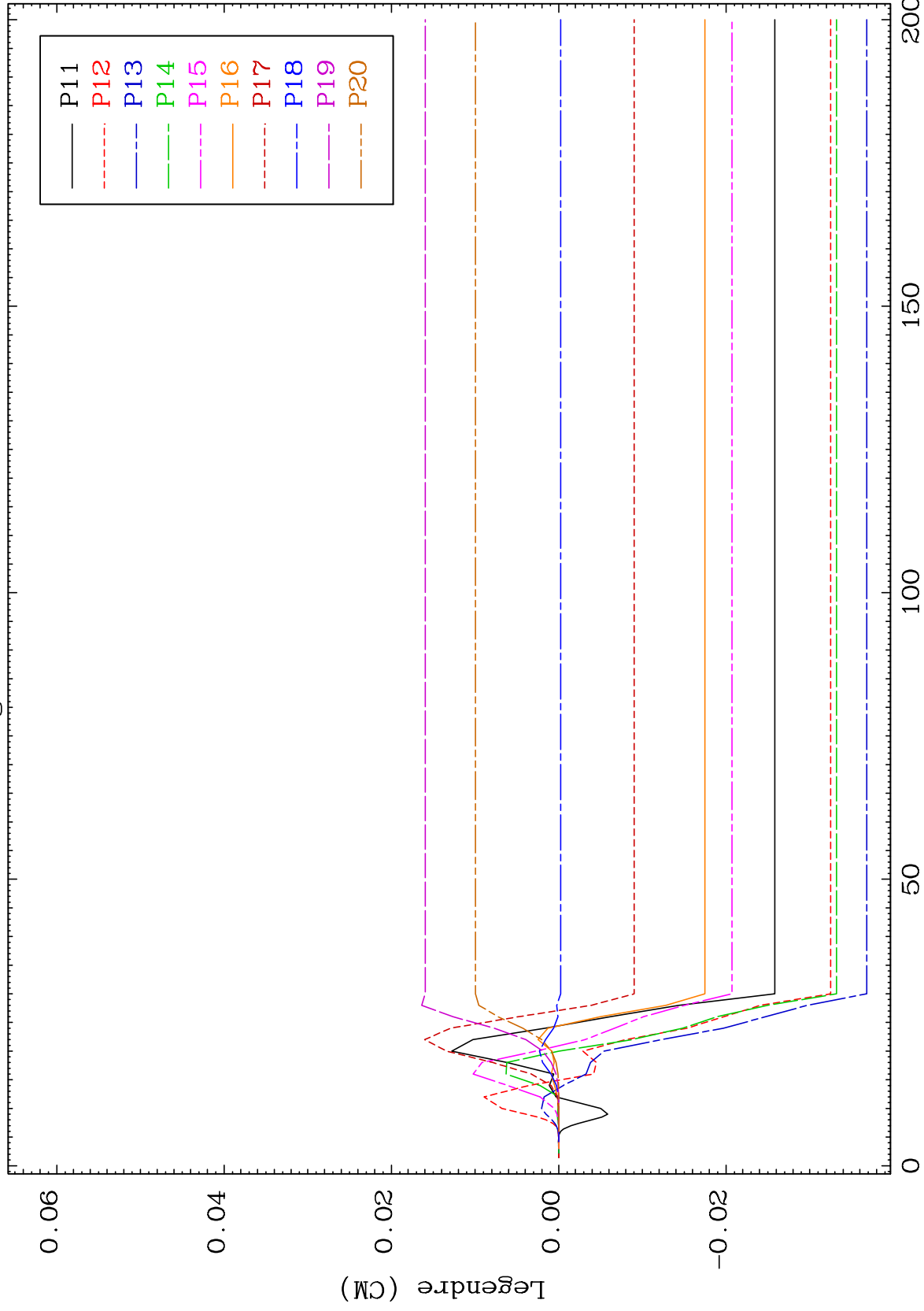
Incident Energy (MeV)

24

MAT 7683

51.20 keV (n,n') Level
Legendre Coefficients

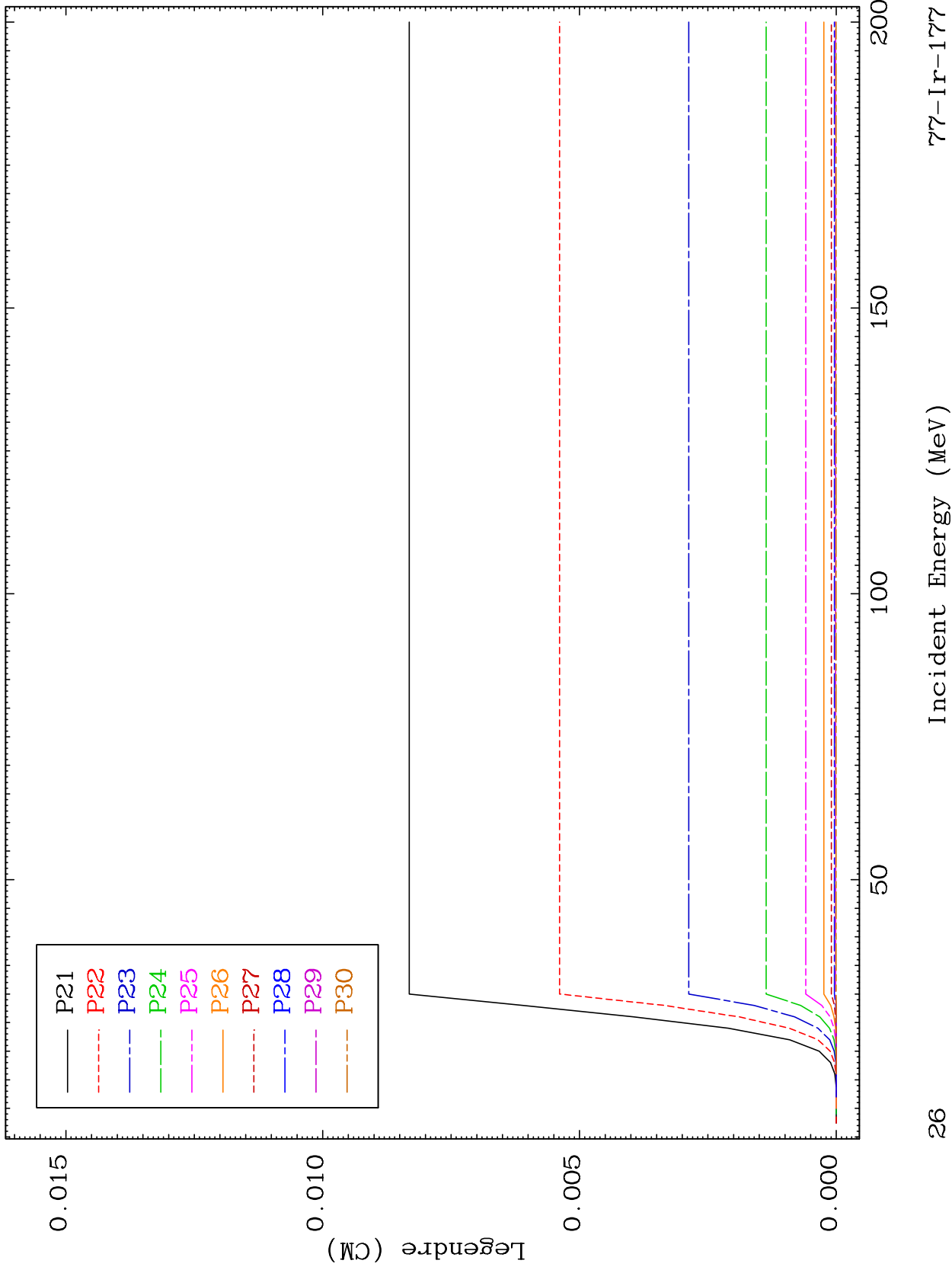
77-Ir-177



77-Ir-177

Incident Energy (MeV)

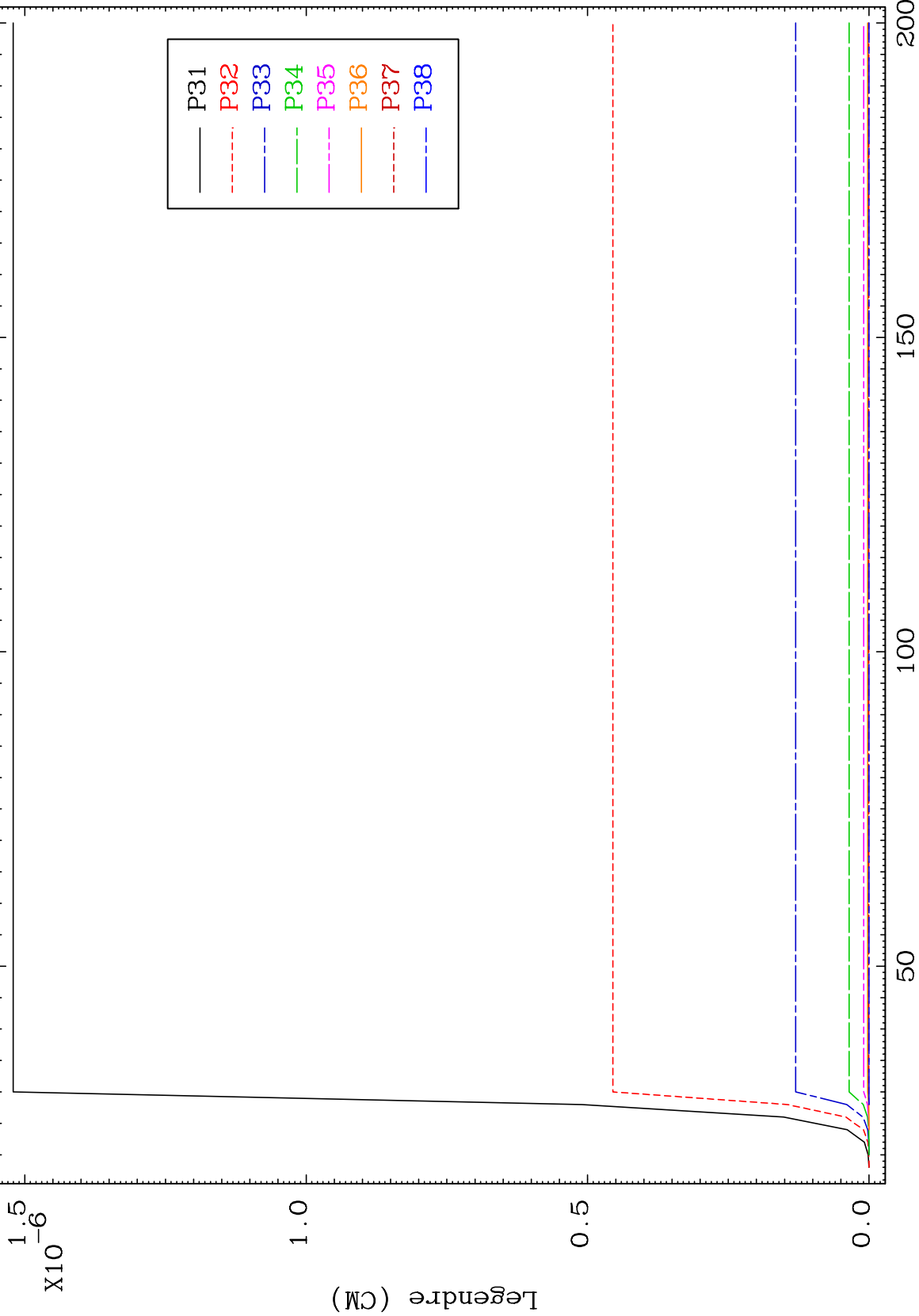
25



MAT 7683

51.20 keV (n,n') Level
Legendre Coefficients

77-Ir-177



27

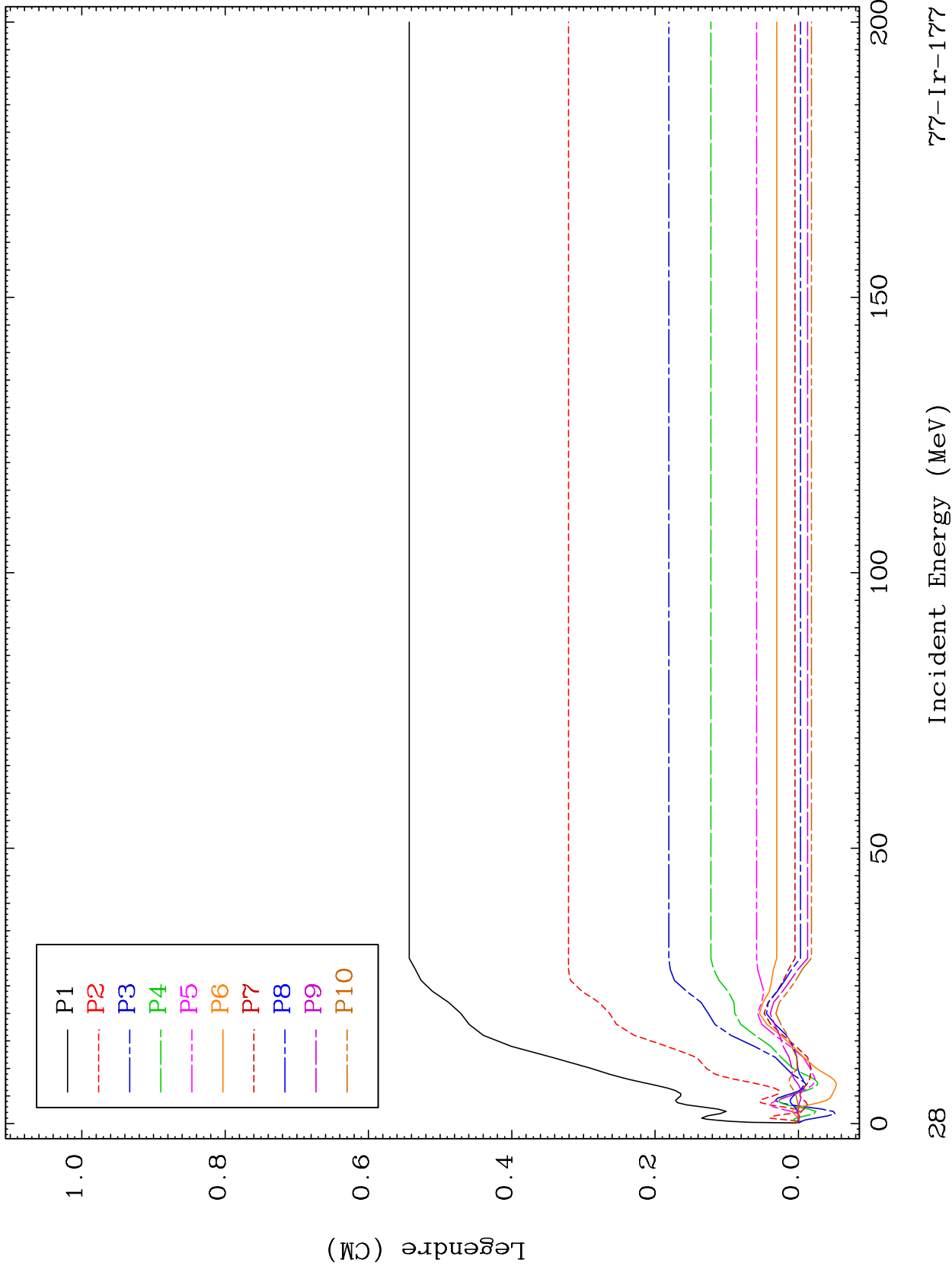
Incident Energy (MeV)

77-Ir-177

MAT 7683

85.60 keV (n,n') Level
Legendre Coefficients

77-Ir-177



77-Ir-177

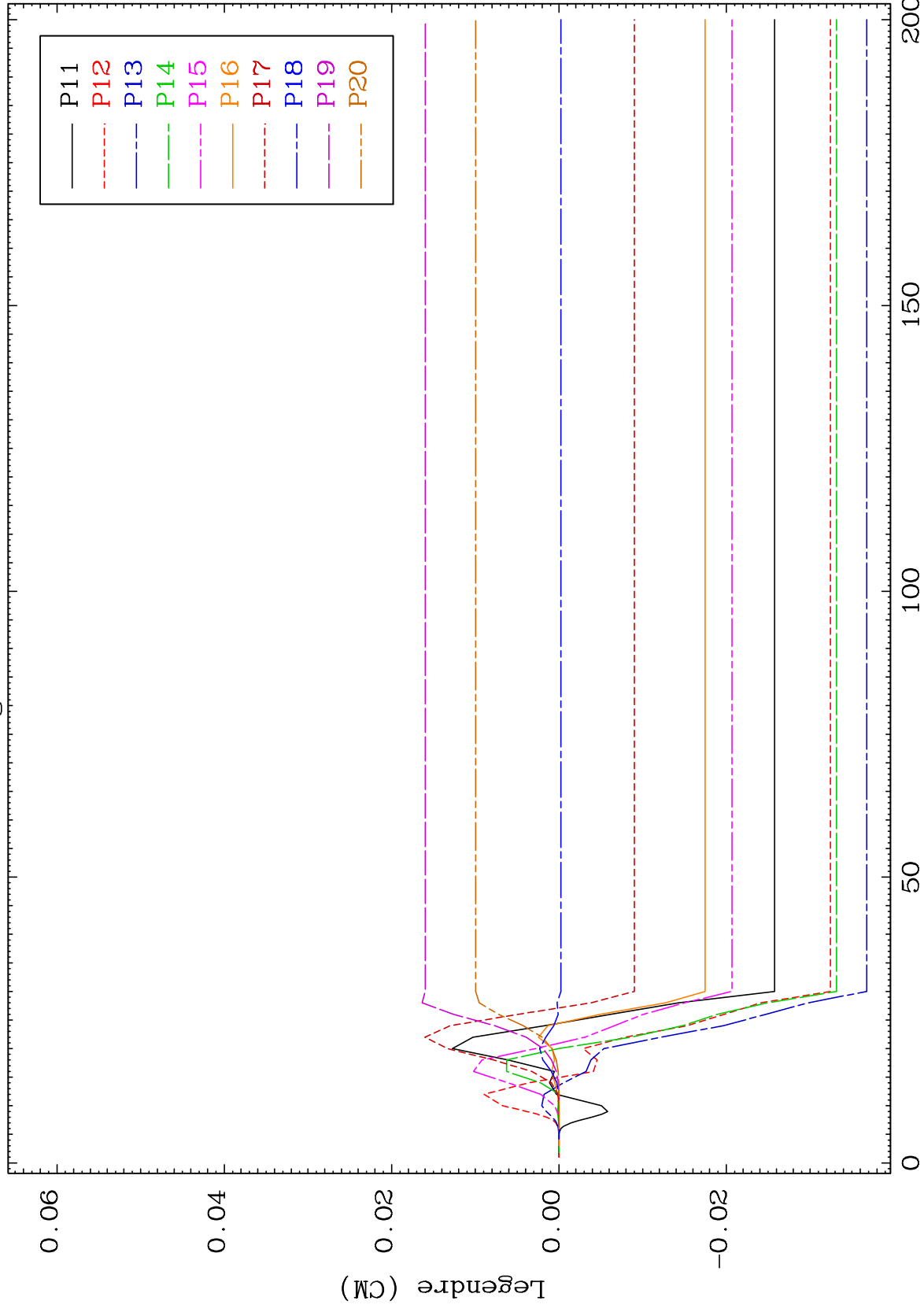
Incident Energy (MeV)

28

MAT 7683

85.60 keV (n,n') Level
Legendre Coefficients

77-Ir-177



29

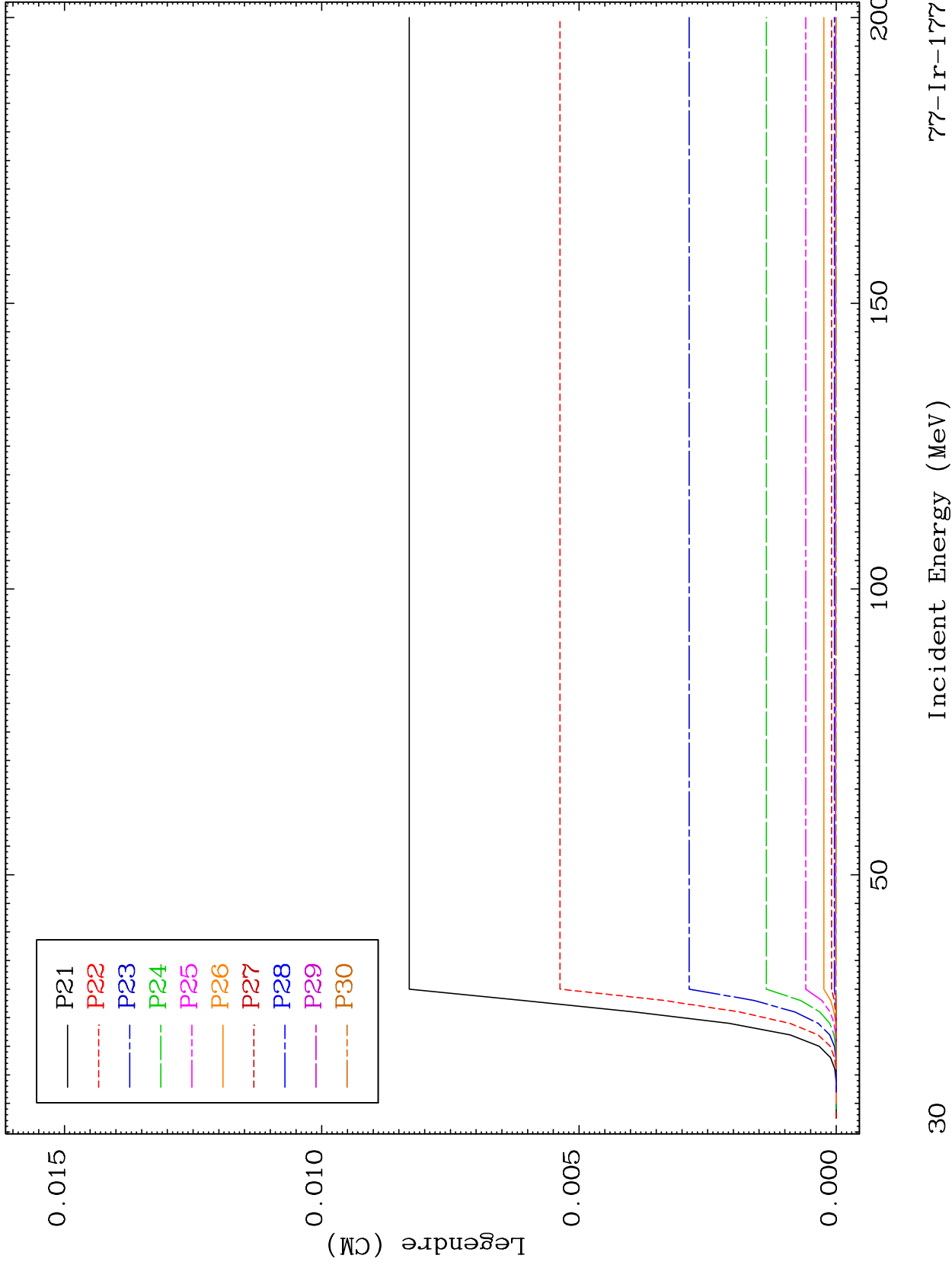
Incident Energy (MeV)

77-Ir-177

MAT 7683

85.60 keV (n,n') Level
Legendre Coefficients

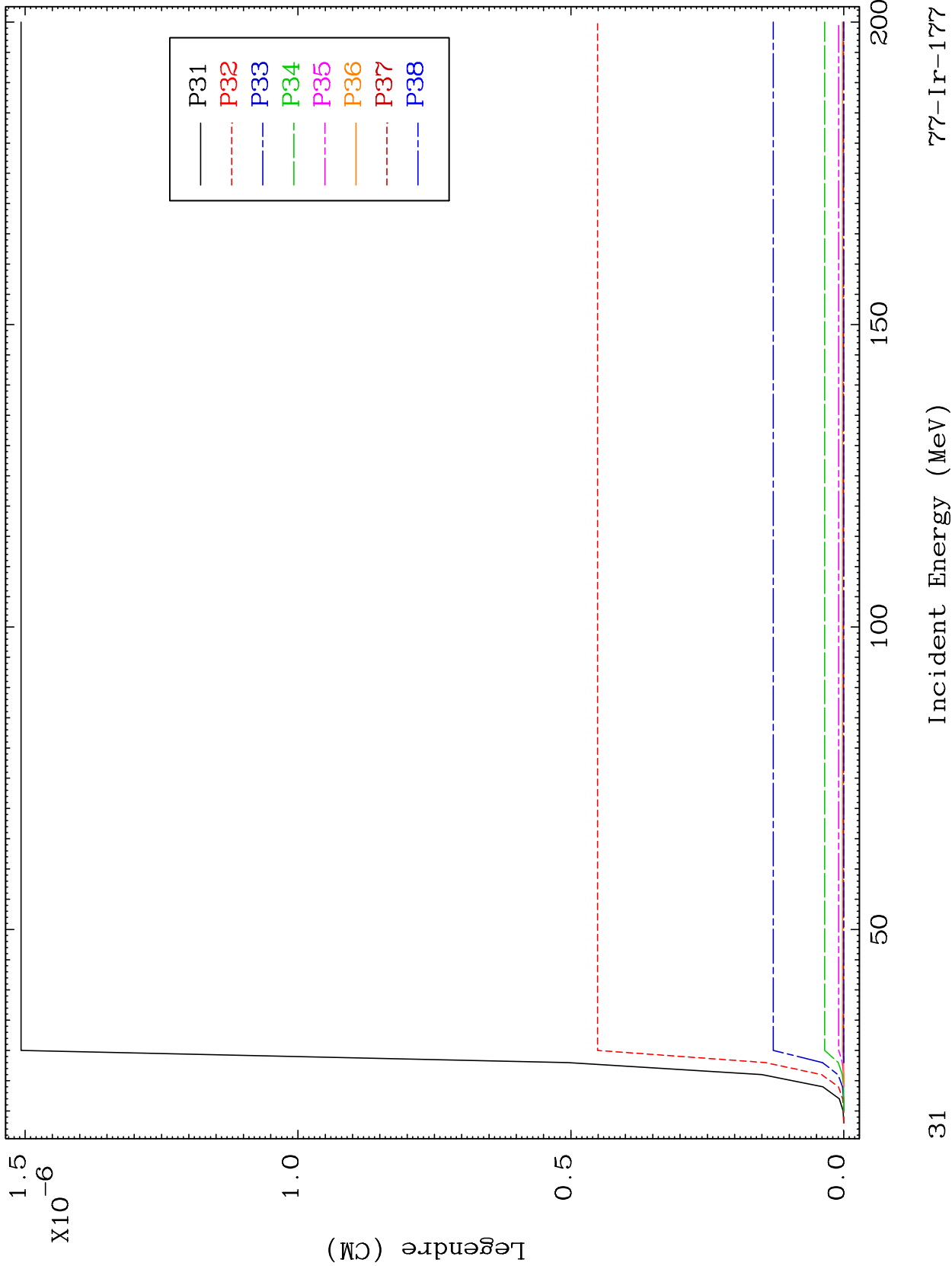
77-Ir-177

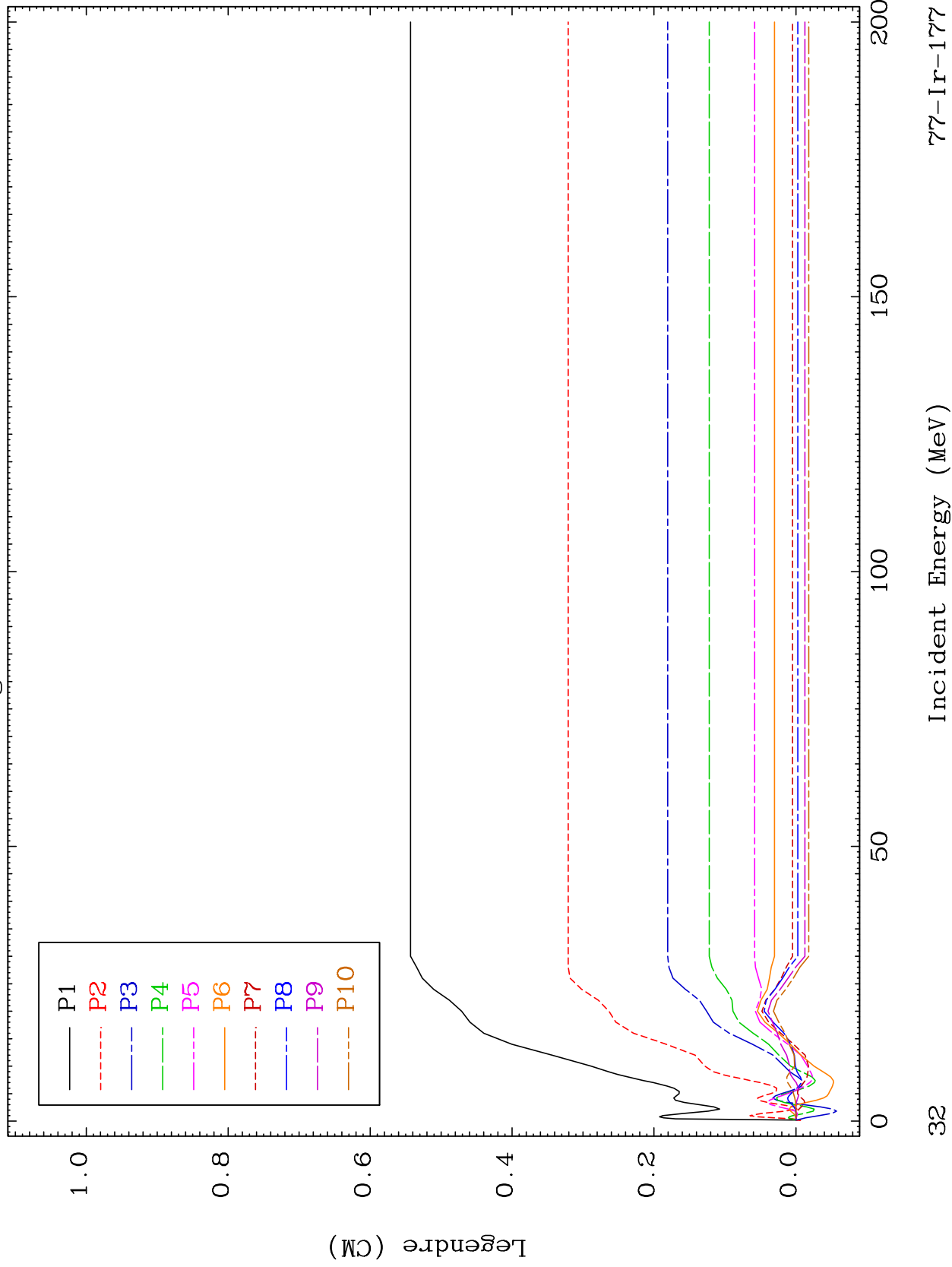


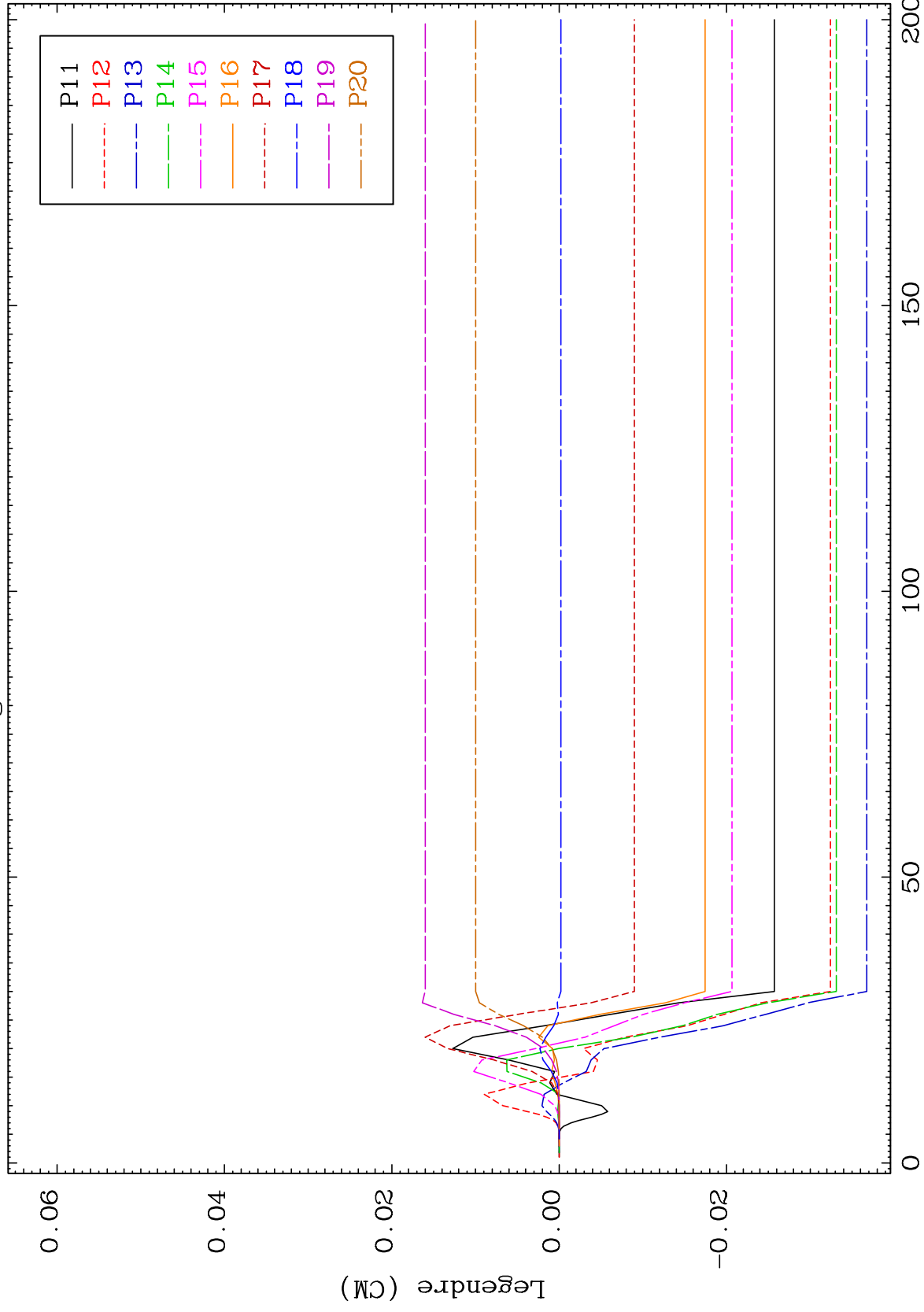
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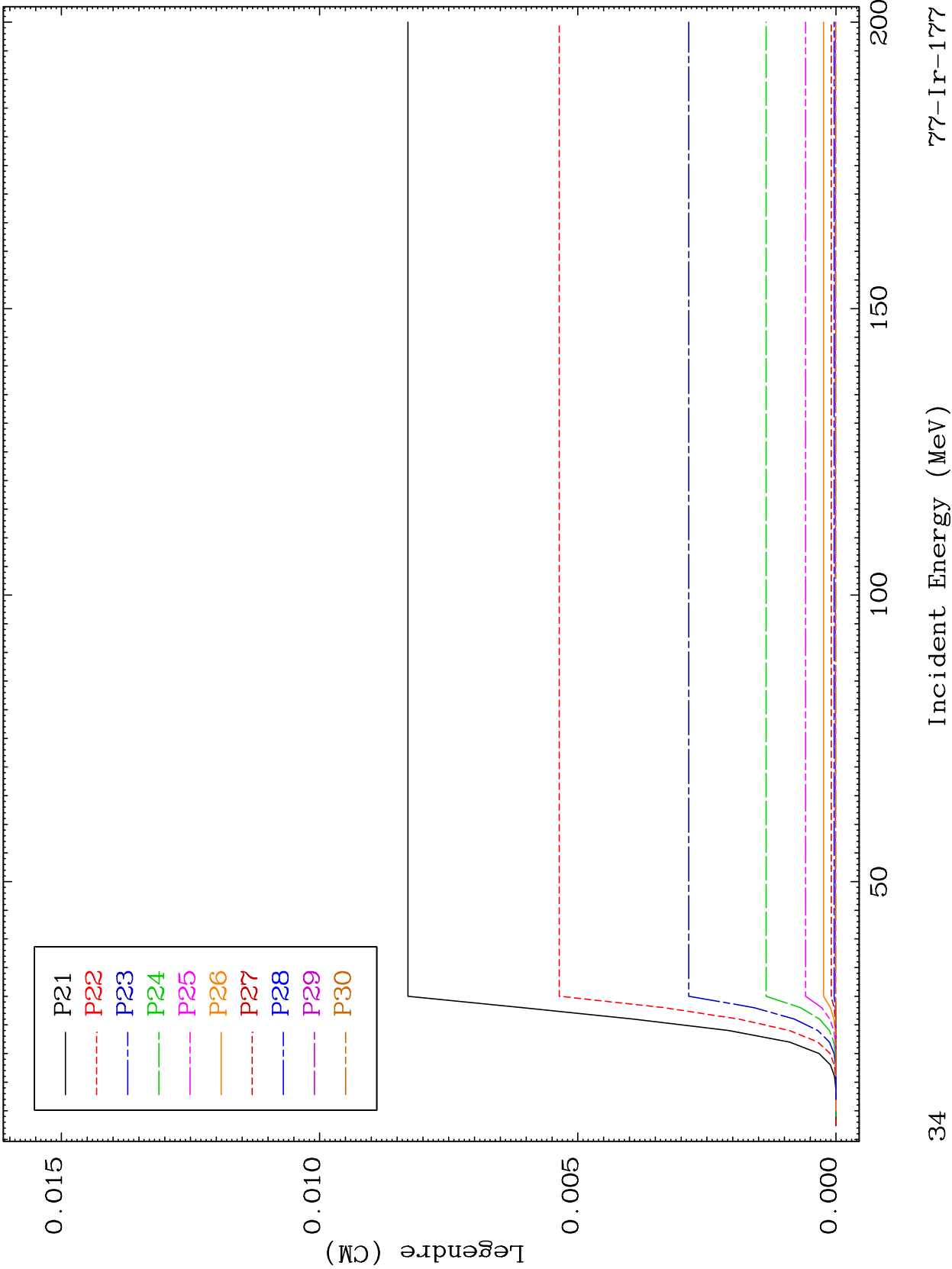
Incident Energy (MeV)

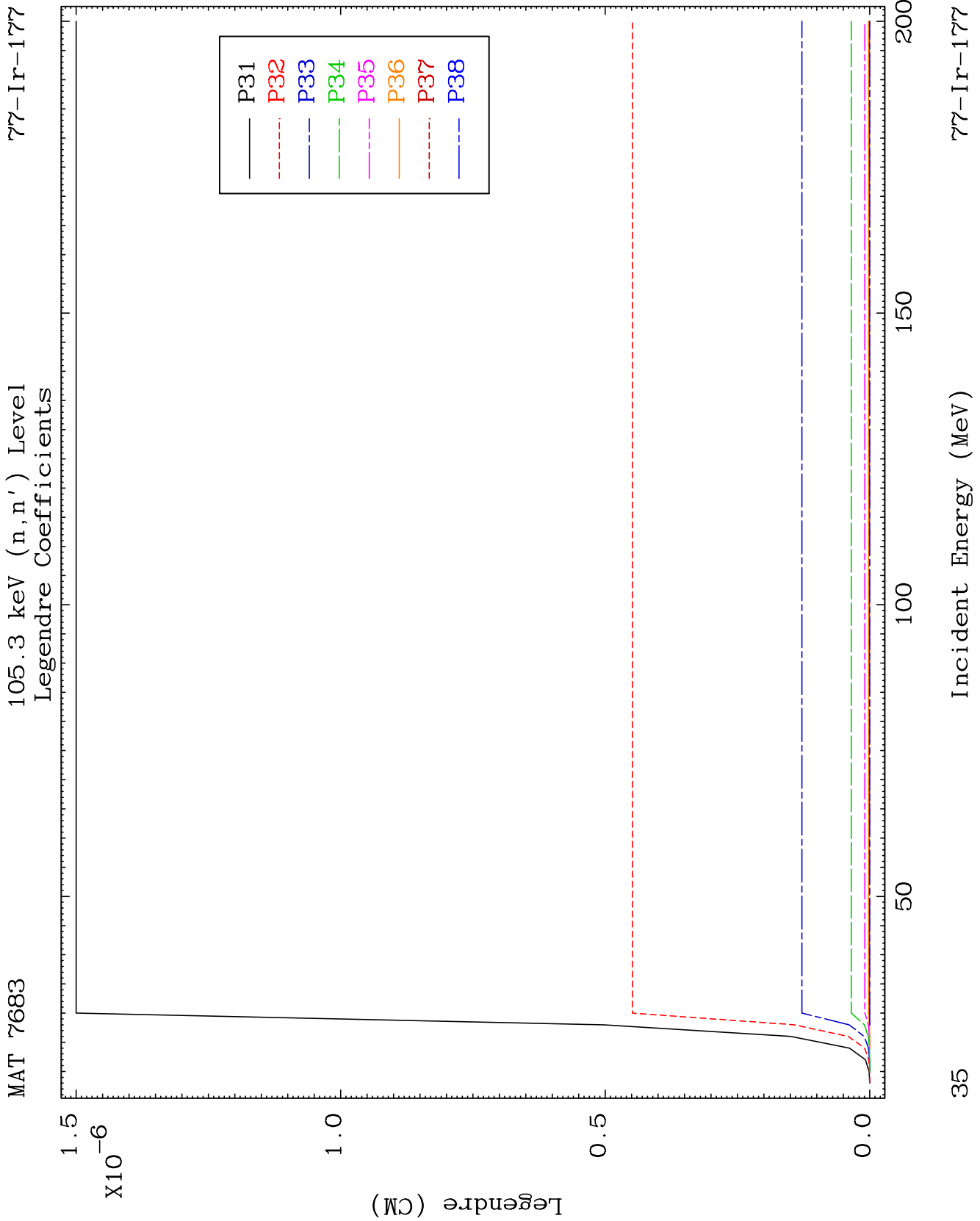
77-Ir-177







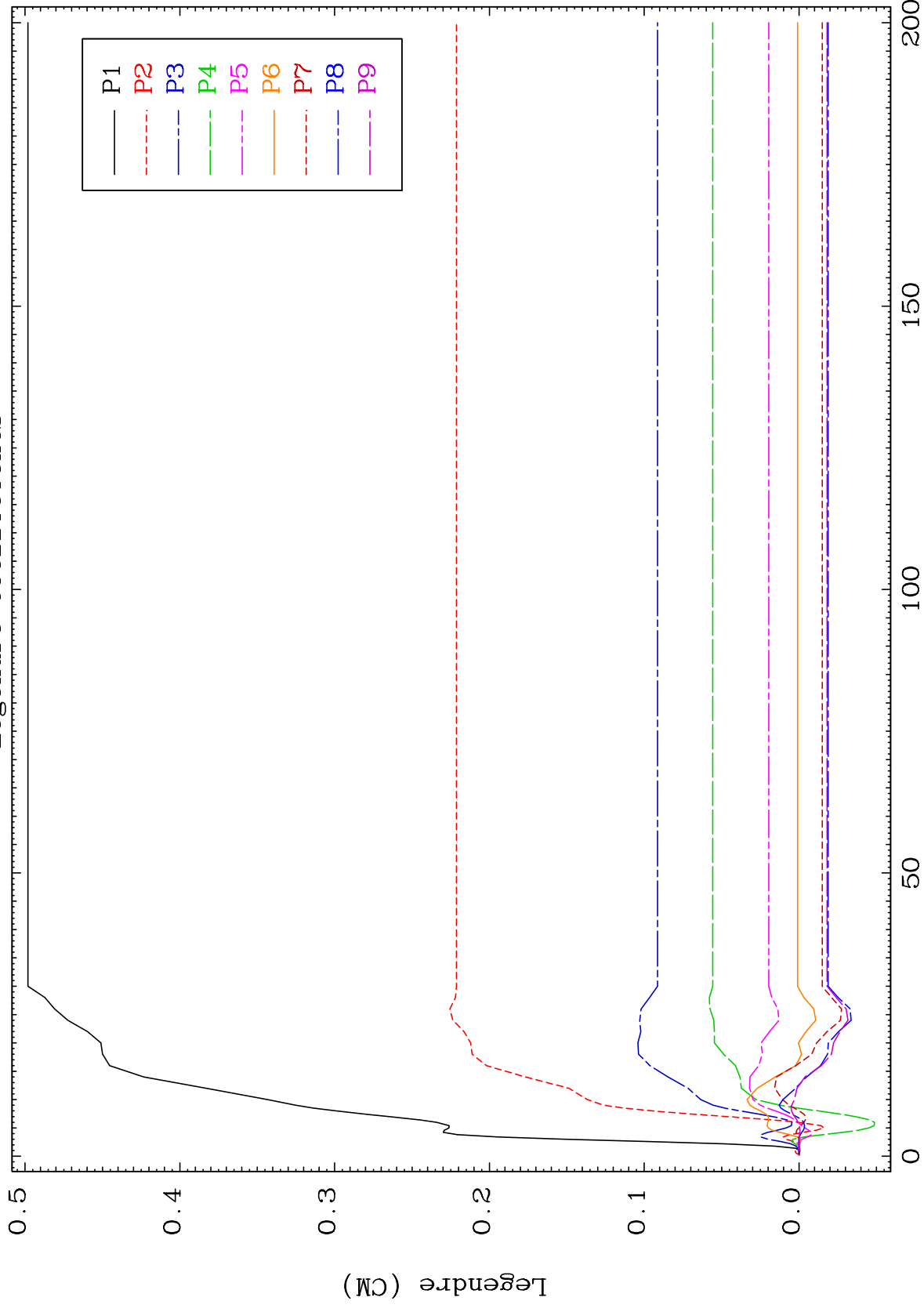




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148.0 keV (n,n') Level
Legendre Coefficients

⁷⁷Ir-177



36

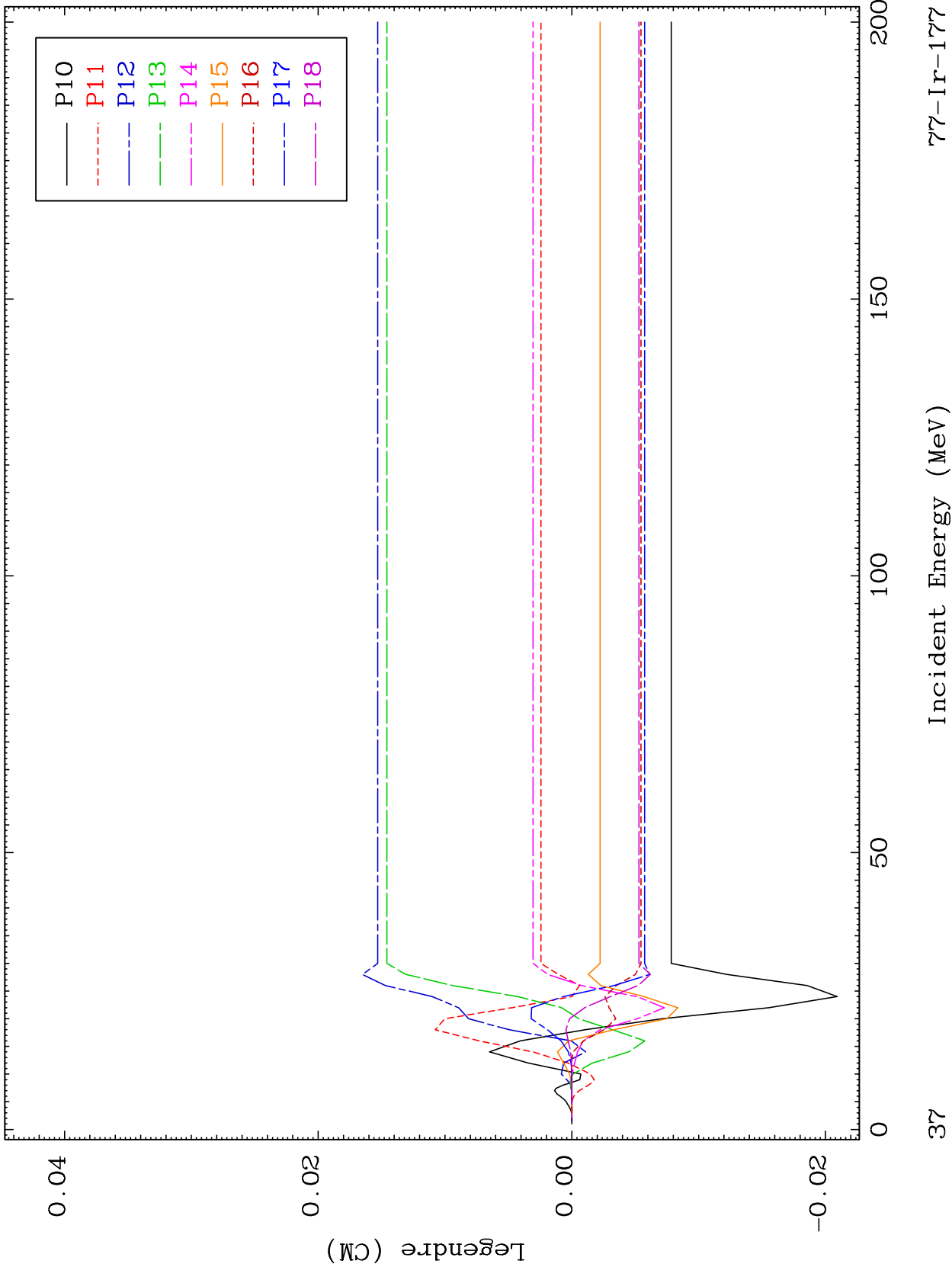
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

148.0 keV (n,n') Level
Legendre Coefficients

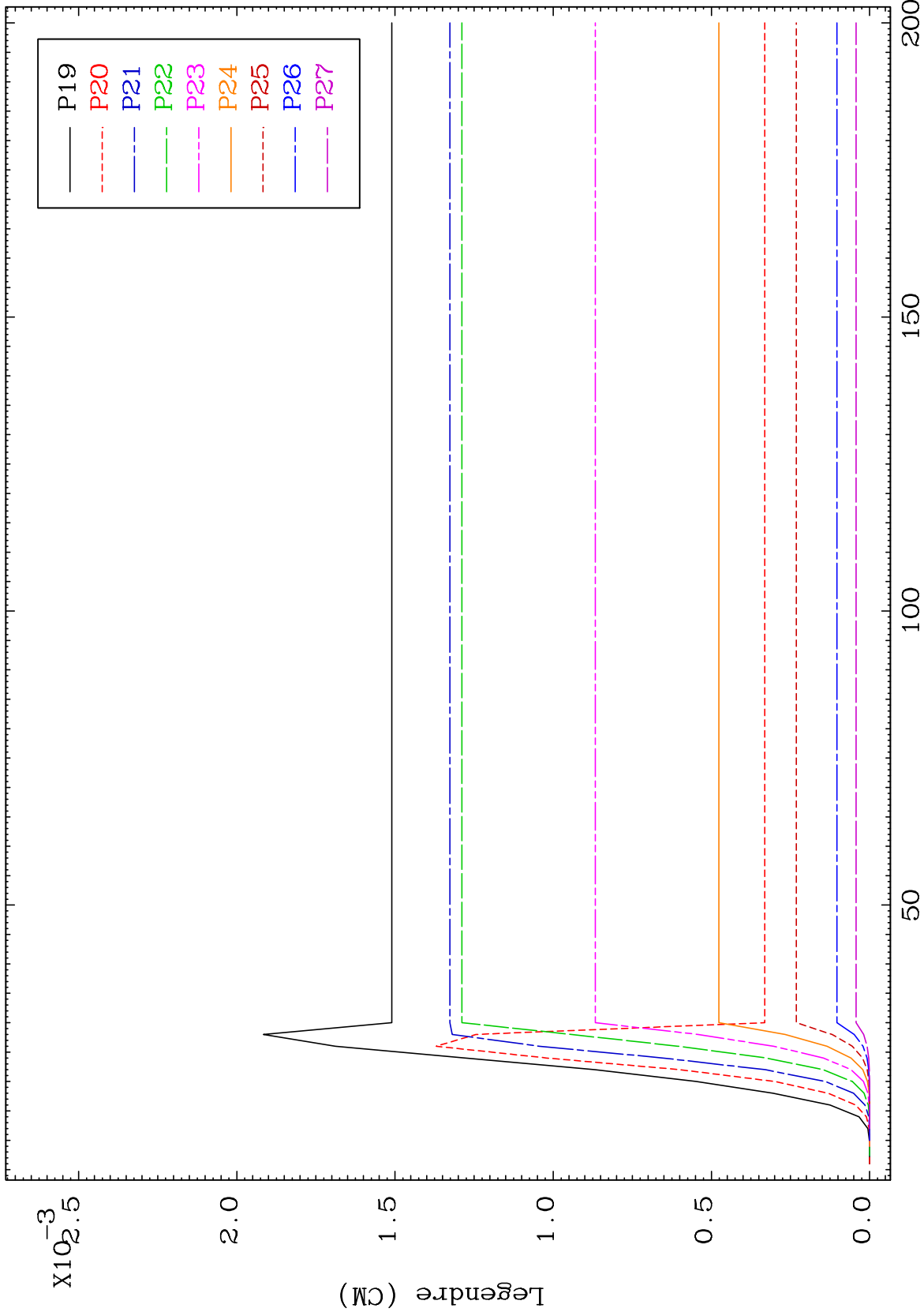
⁷⁷Ir-177



⁷⁷Ir-177

Incident Energy (MeV)

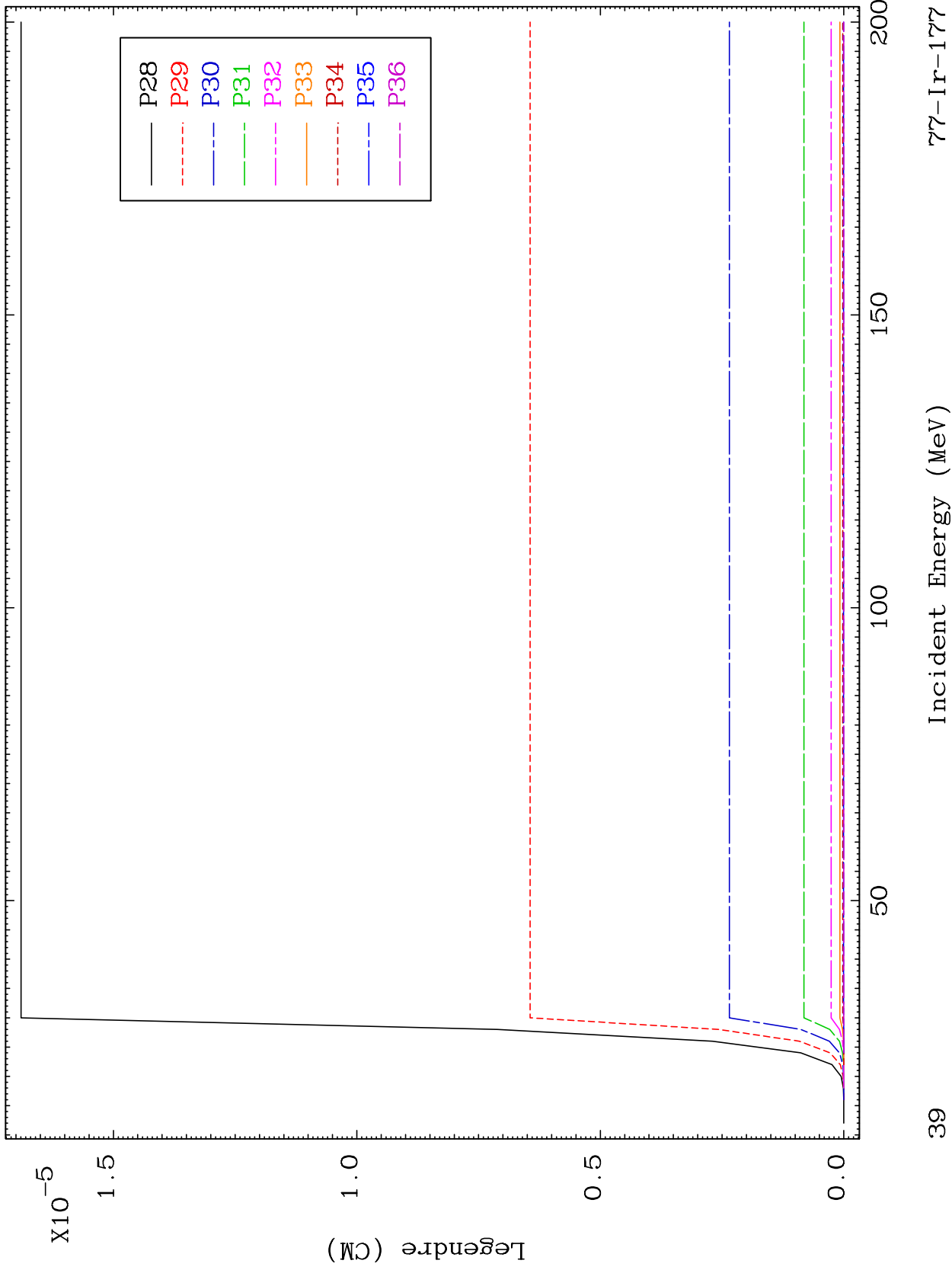
37



MAT 7683

148.0 keV (n,n') Level
Legendre Coefficients

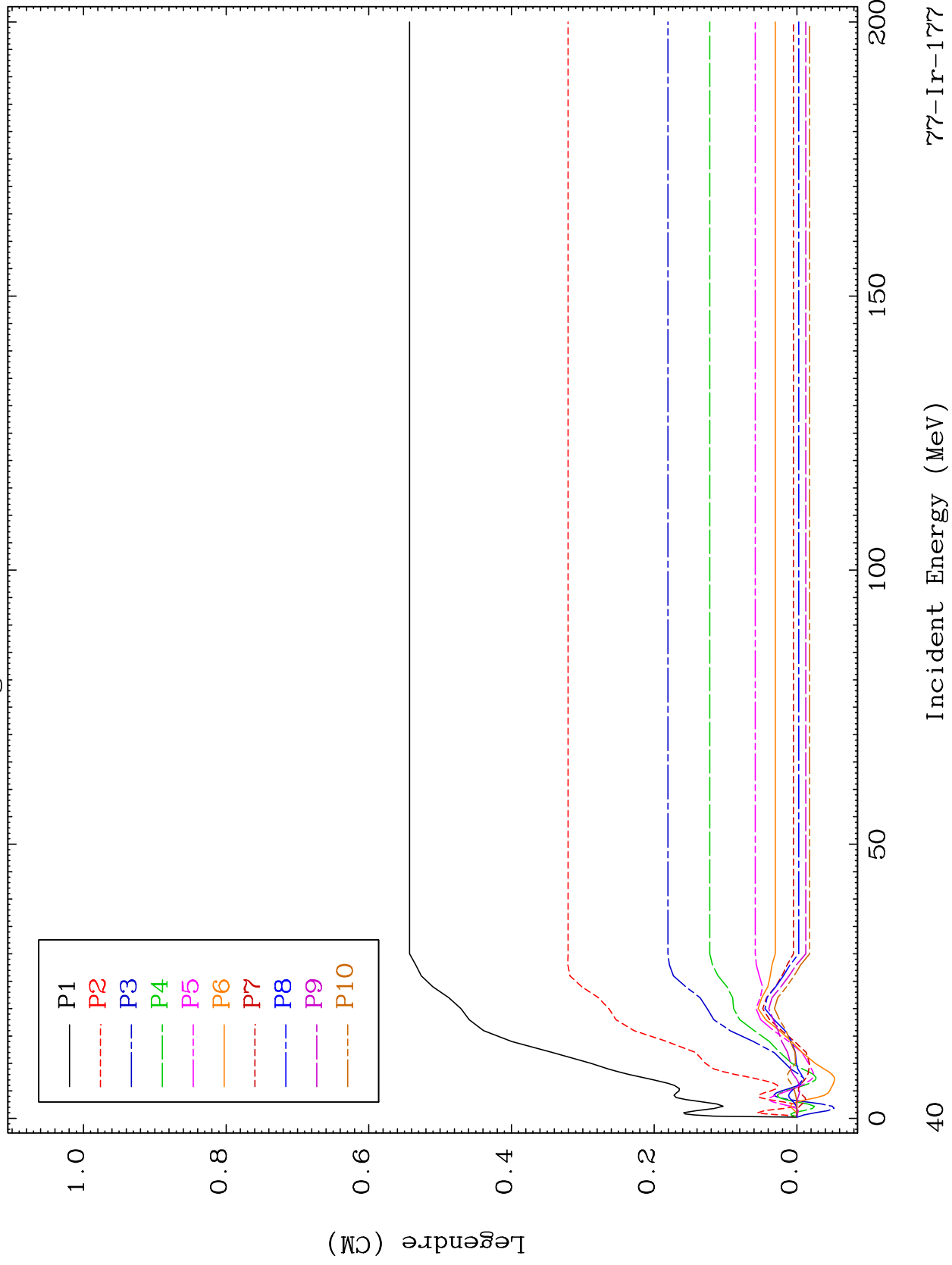
77-Ir-177



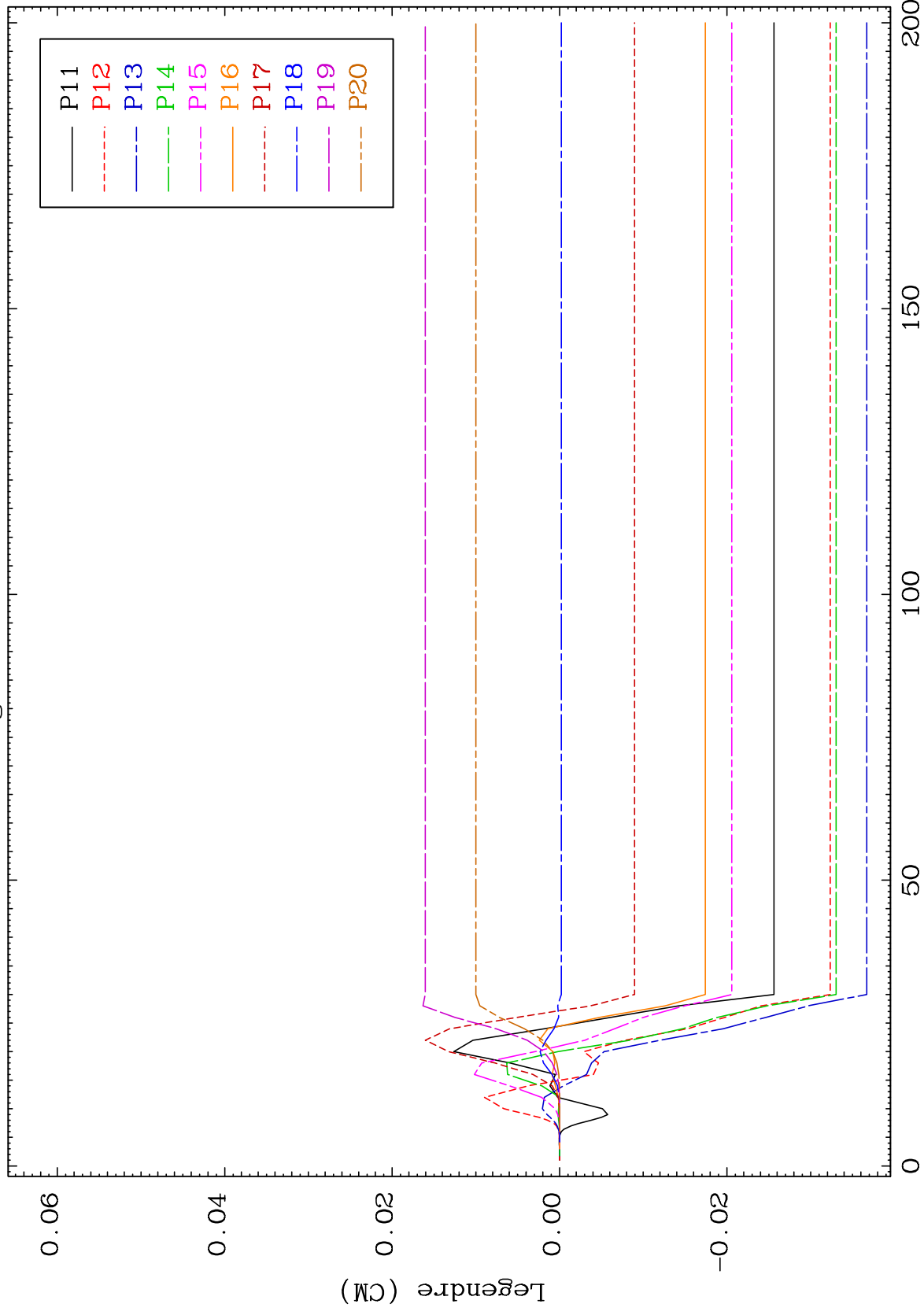
MAT 7683

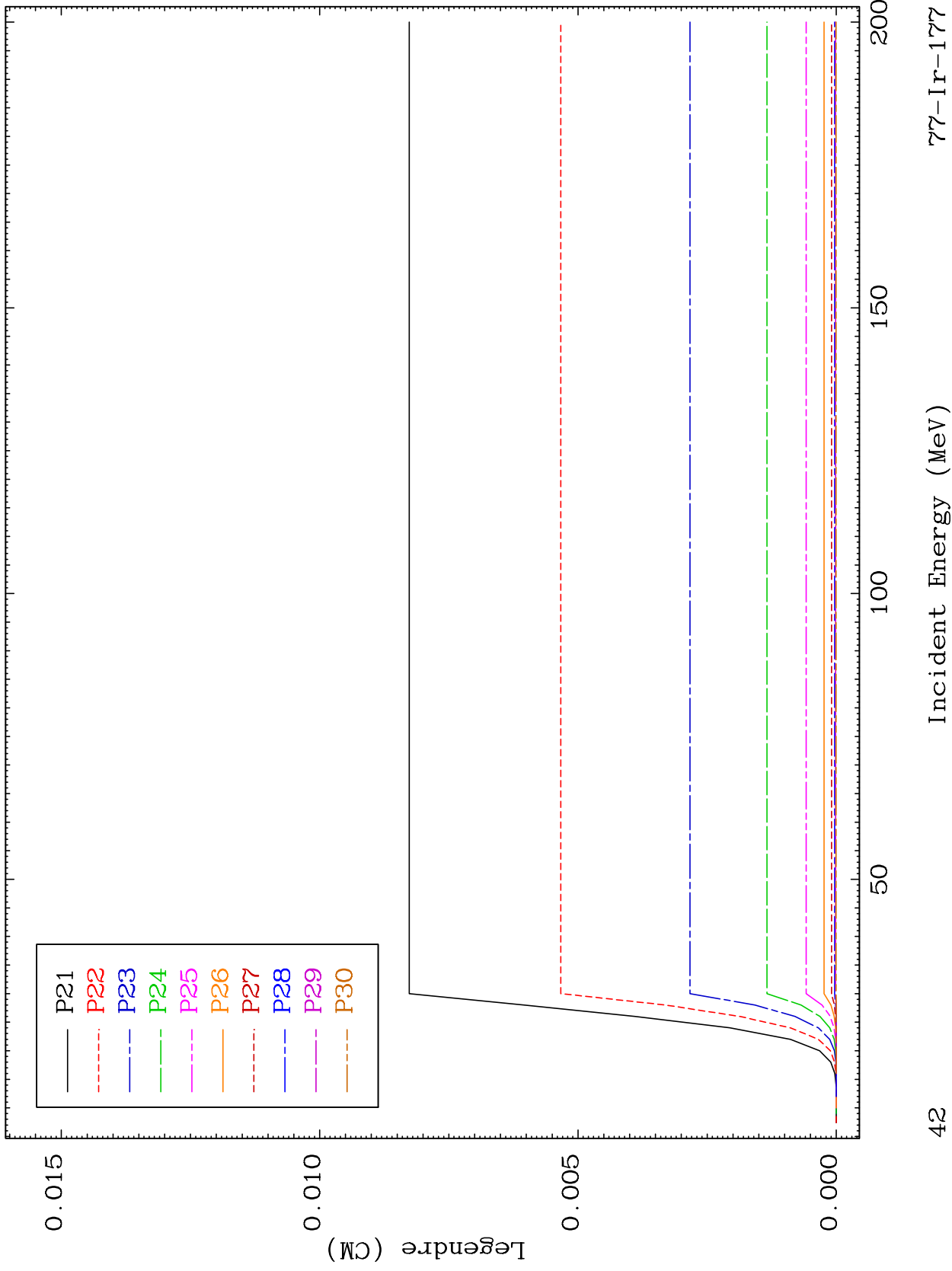
157.2 keV (n,n') Level
Legendre Coefficients

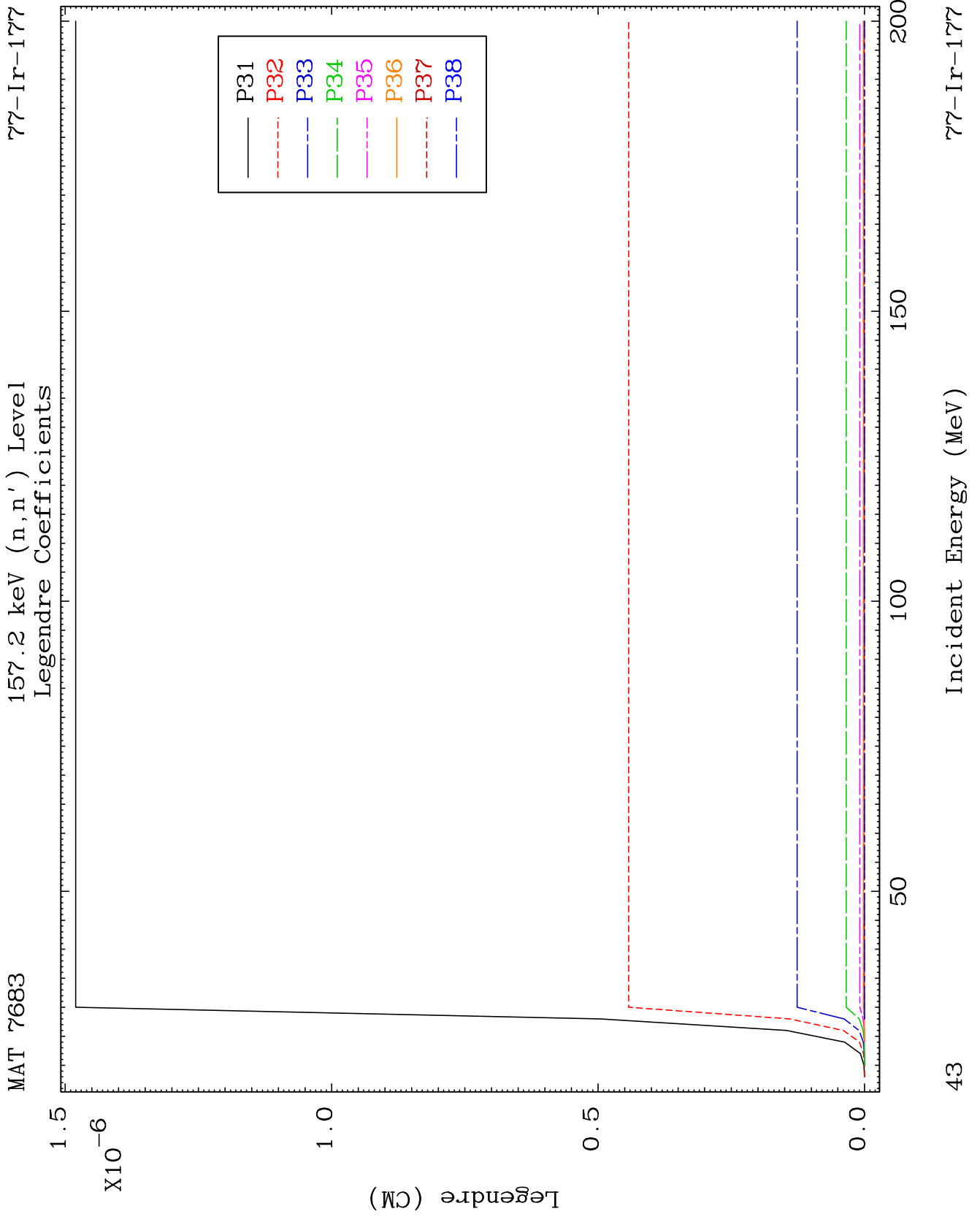
⁷⁷Ir-177



⁷⁷Ir-177



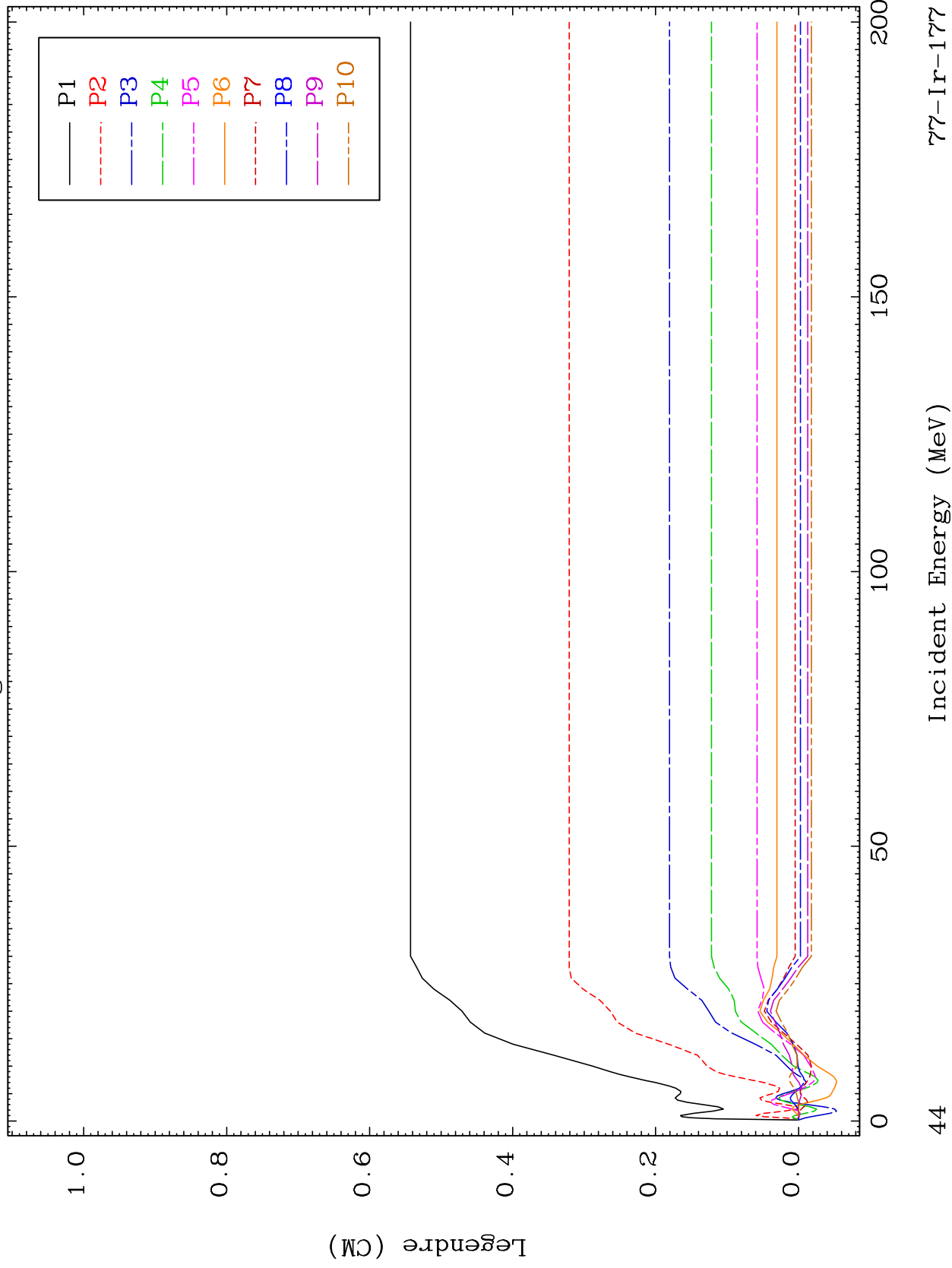




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180.8 keV (n,n') Level
Legendre Coefficients

⁷⁷Ir-177



⁷⁷Ir-177

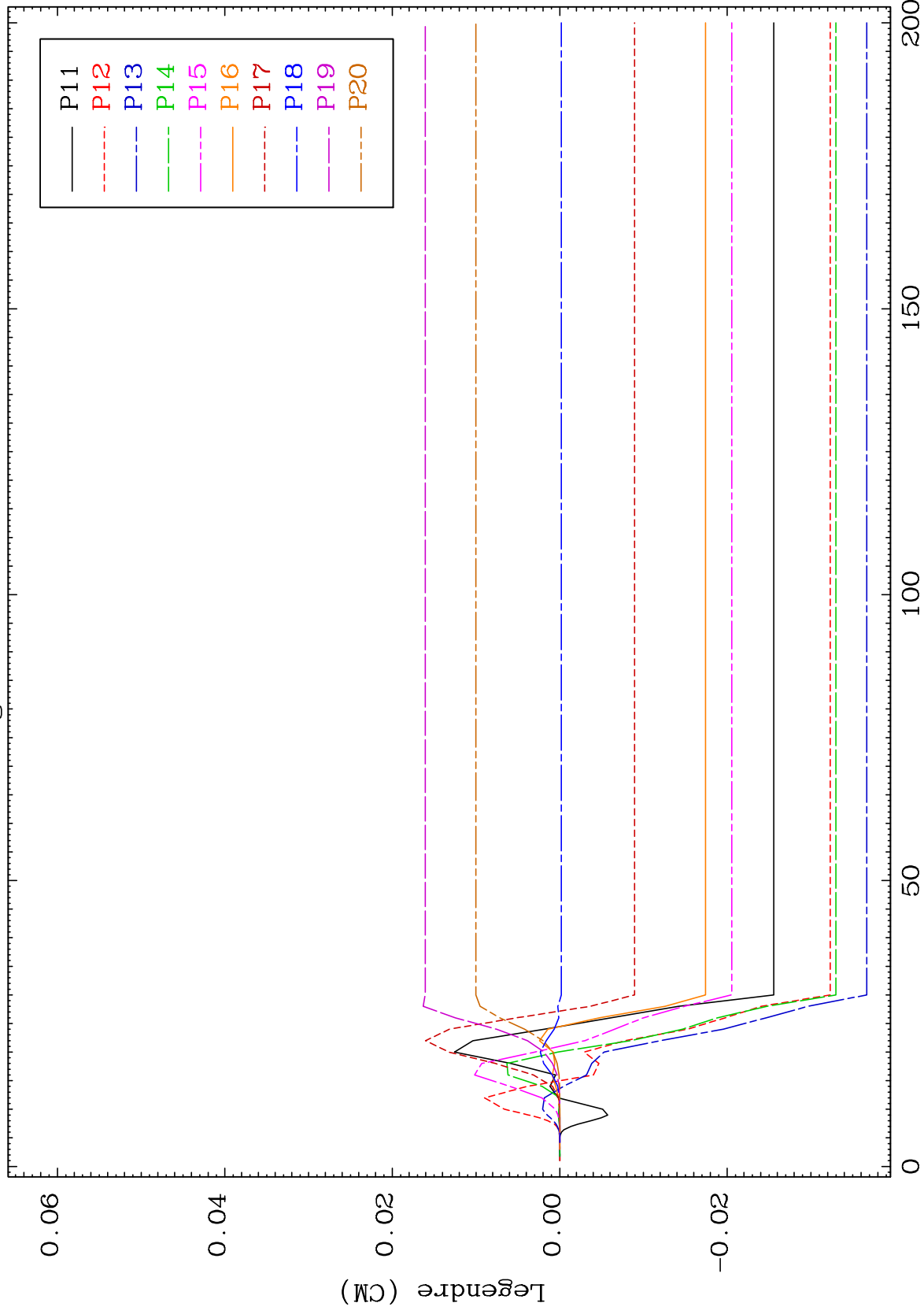
Incident Energy (MeV)

44

MAT 7683

180.8 keV (n,n') Level
Legendre Coefficients

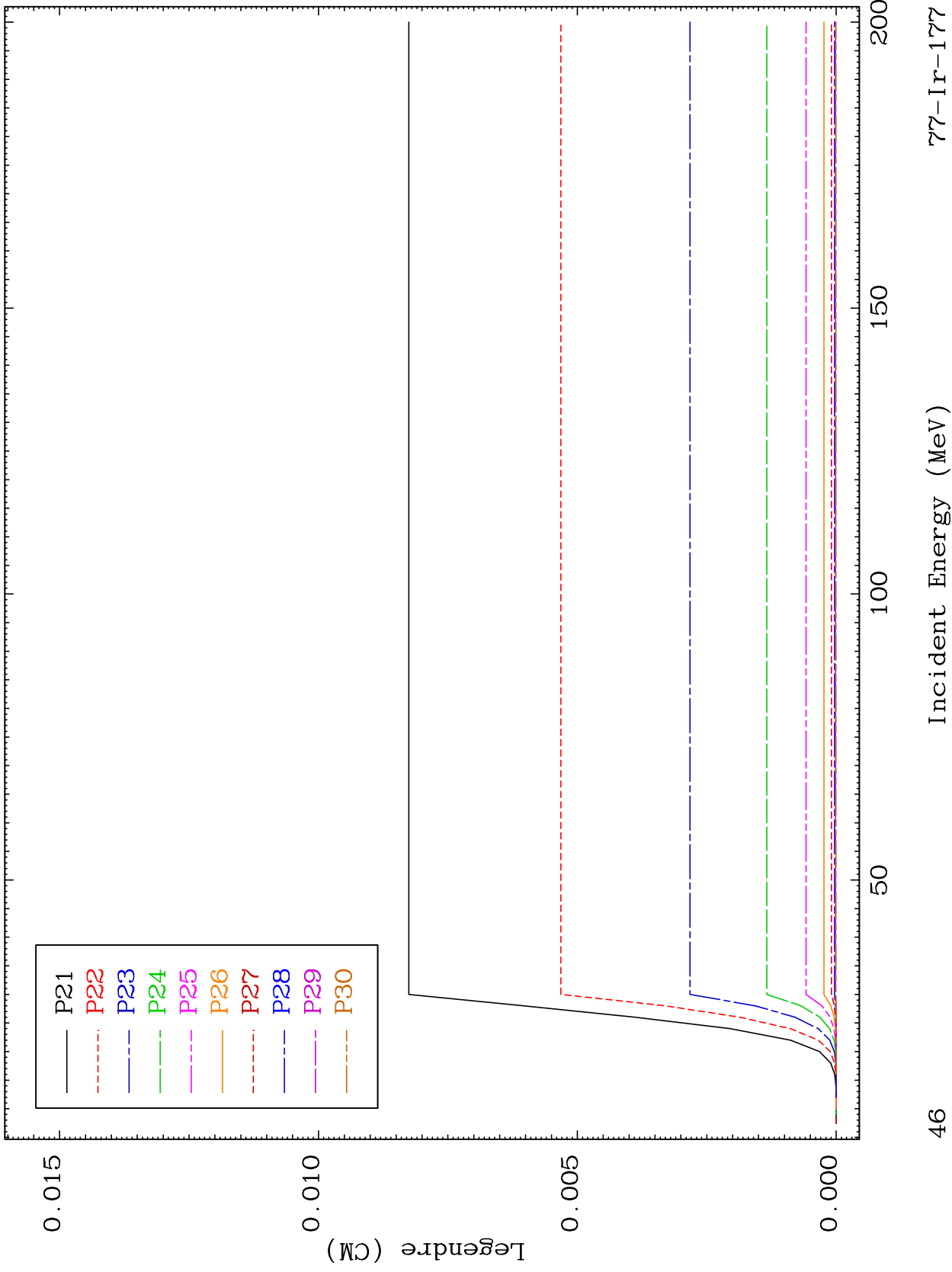
⁷⁷Ir-177



⁷⁷Ir-177

Incident Energy (MeV)

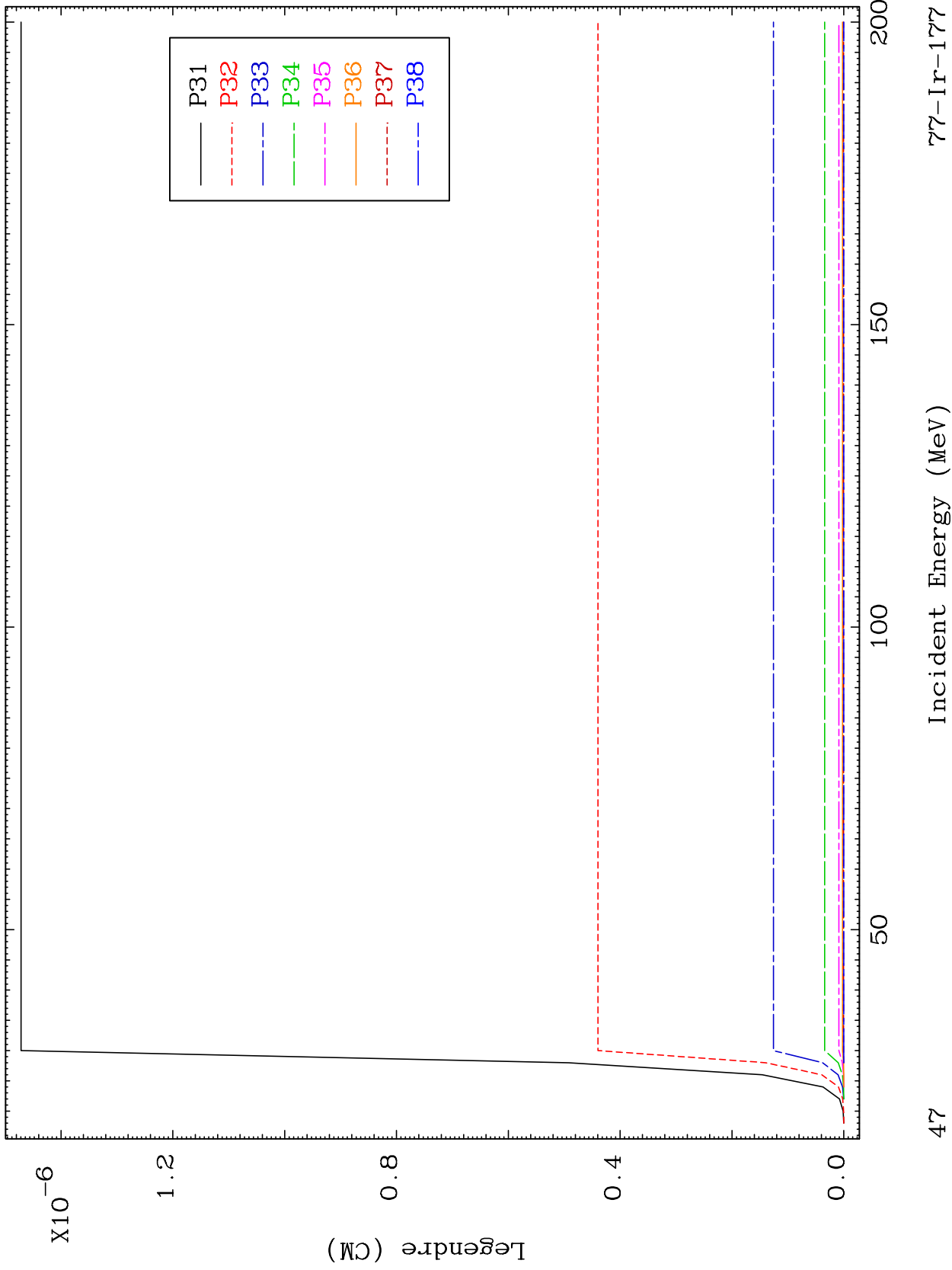
45



MAT 7683

180.8 keV (n,n') Level
Legendre Coefficients

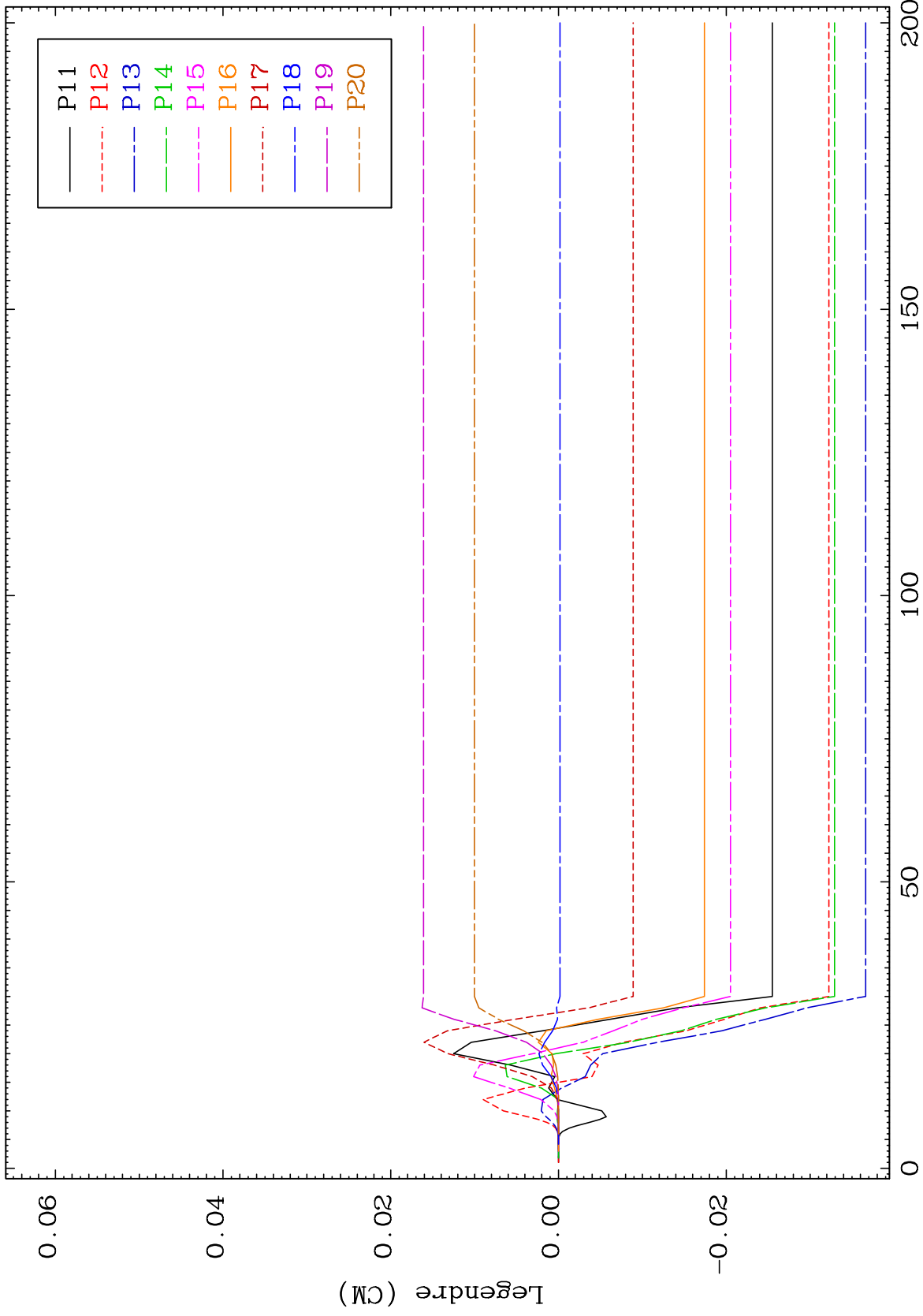
77-Ir-177



77-Ir-177

Incident Energy (MeV)

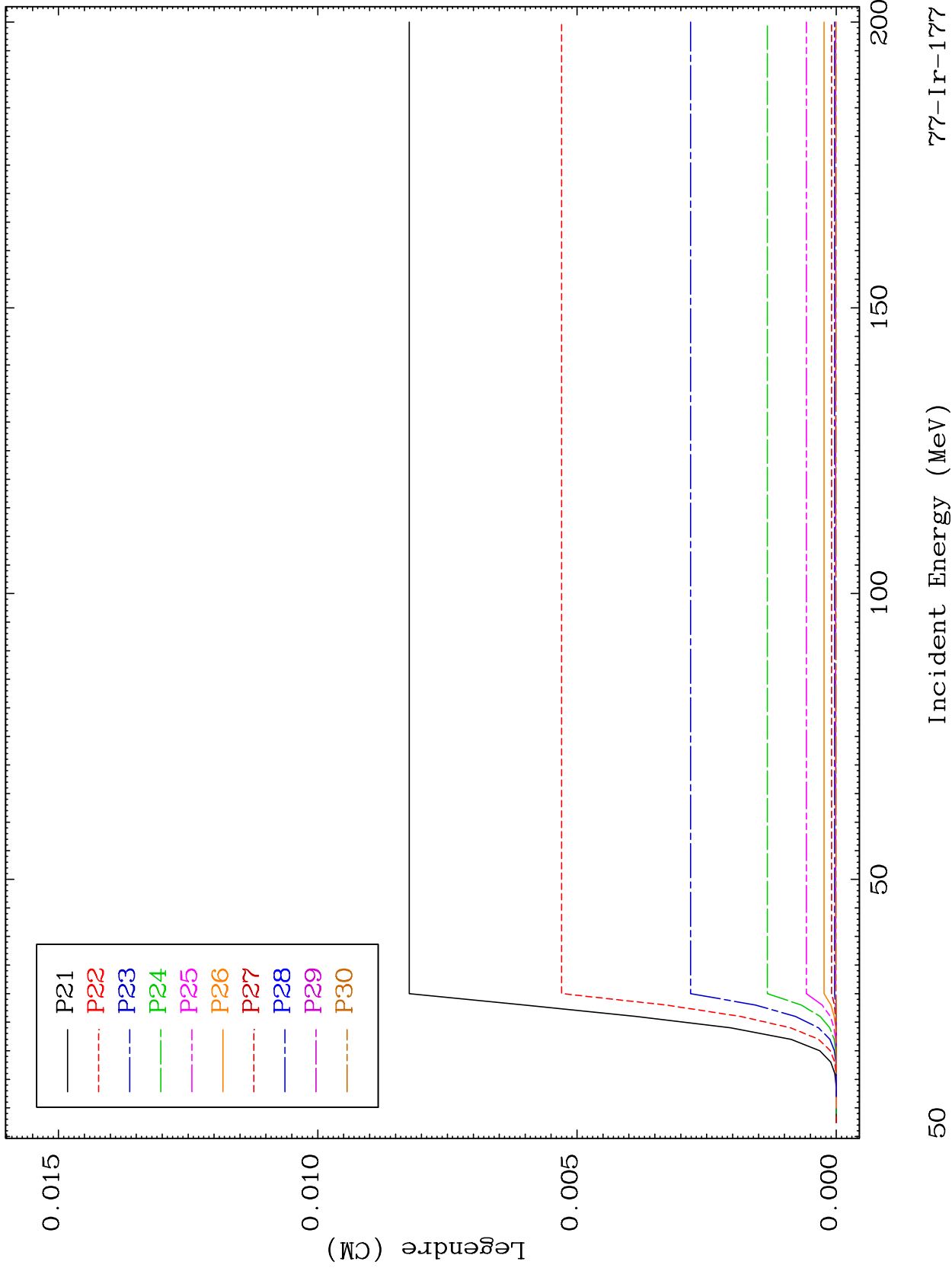
47



MAT 7683

223.0 keV (n,n') Level
Legendre Coefficients

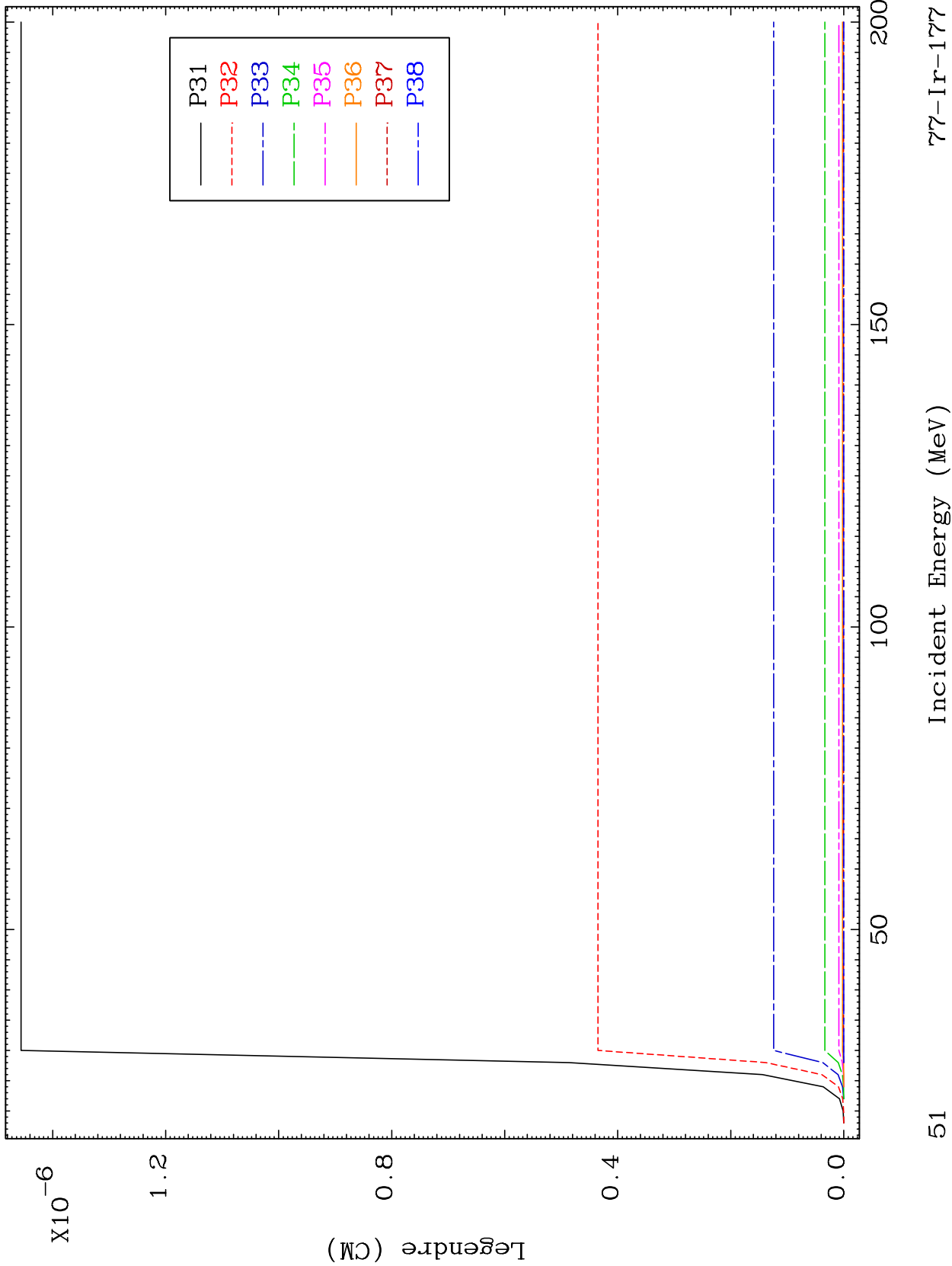
77-Ir-177

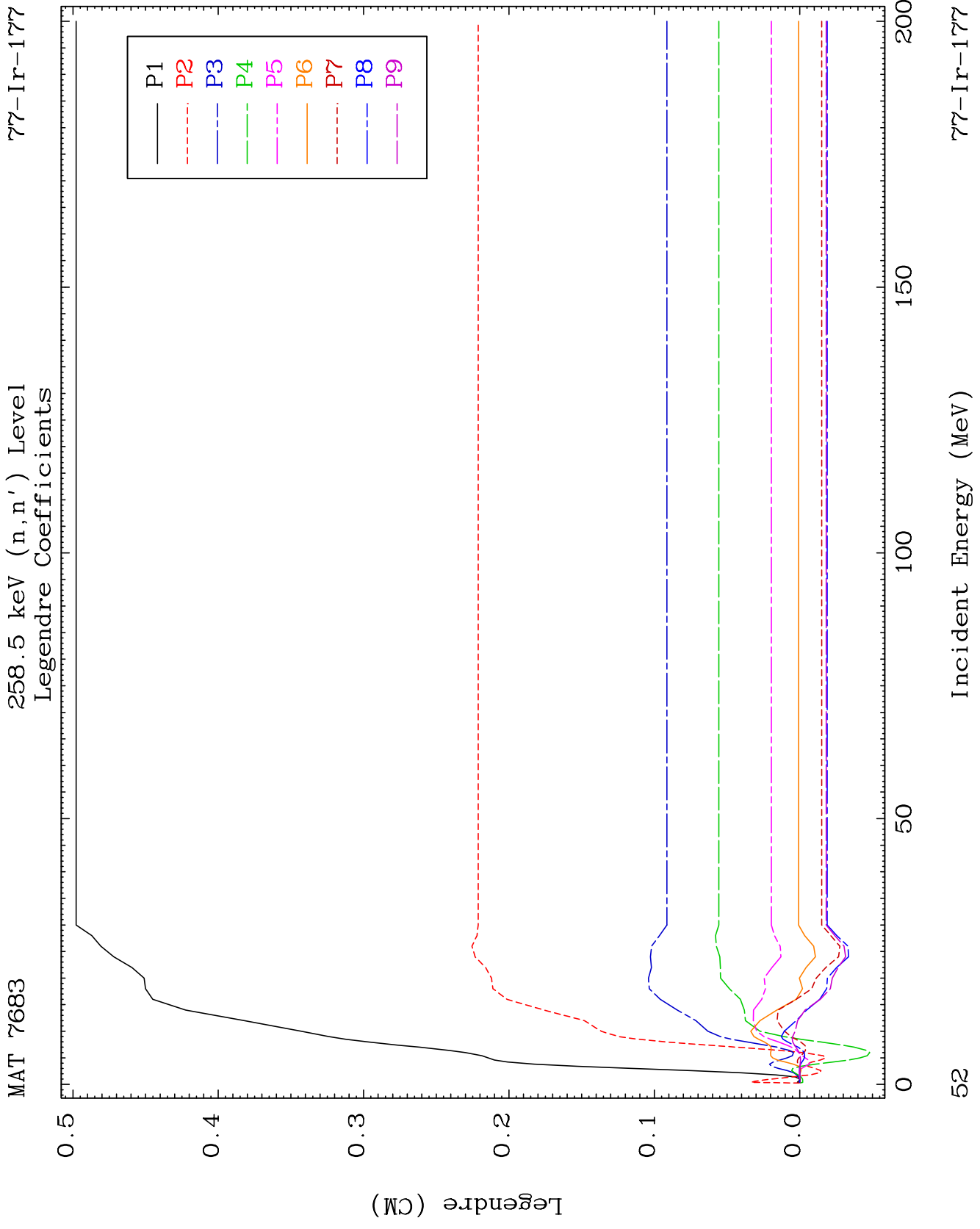


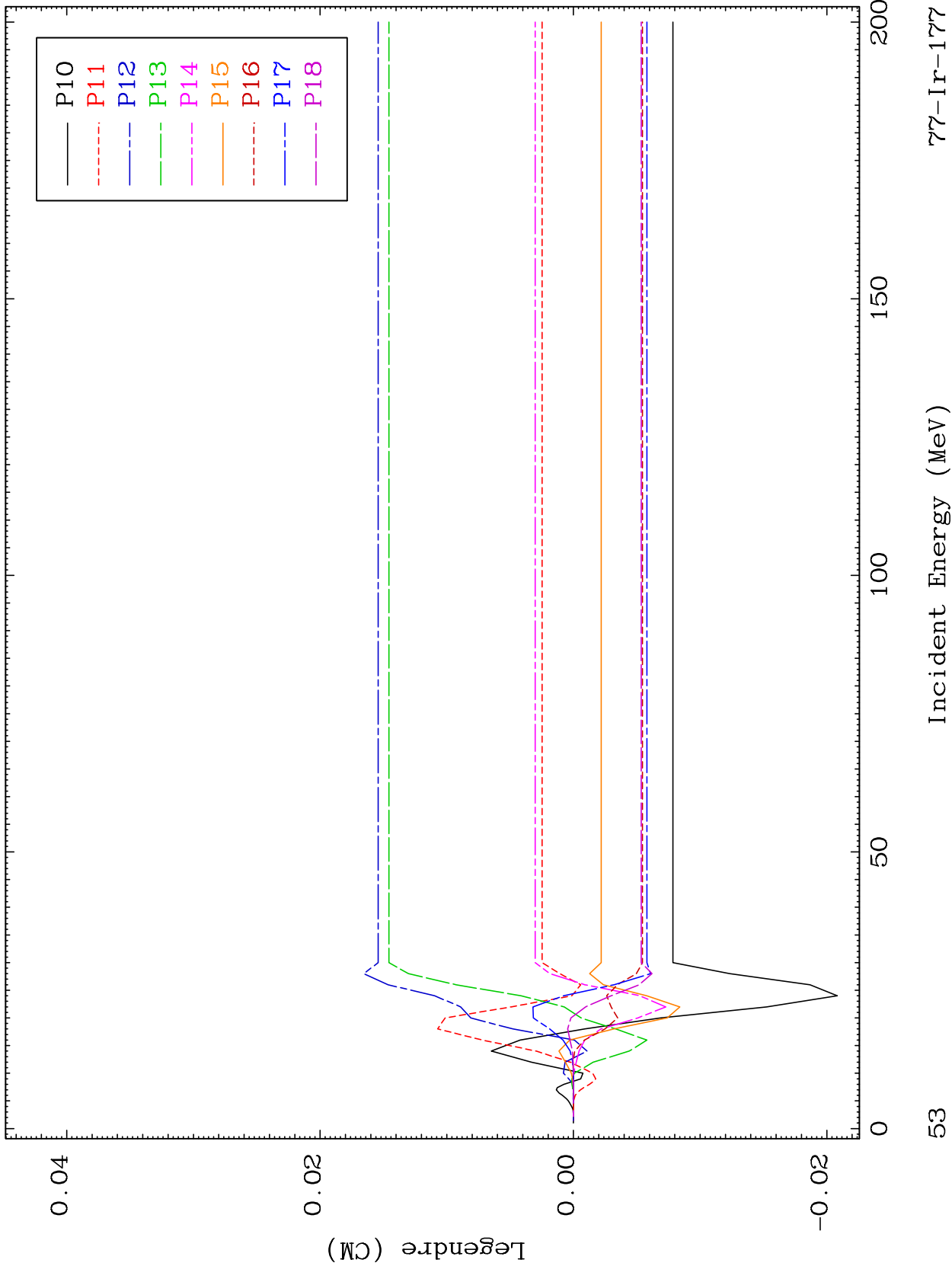
77-Ir-177

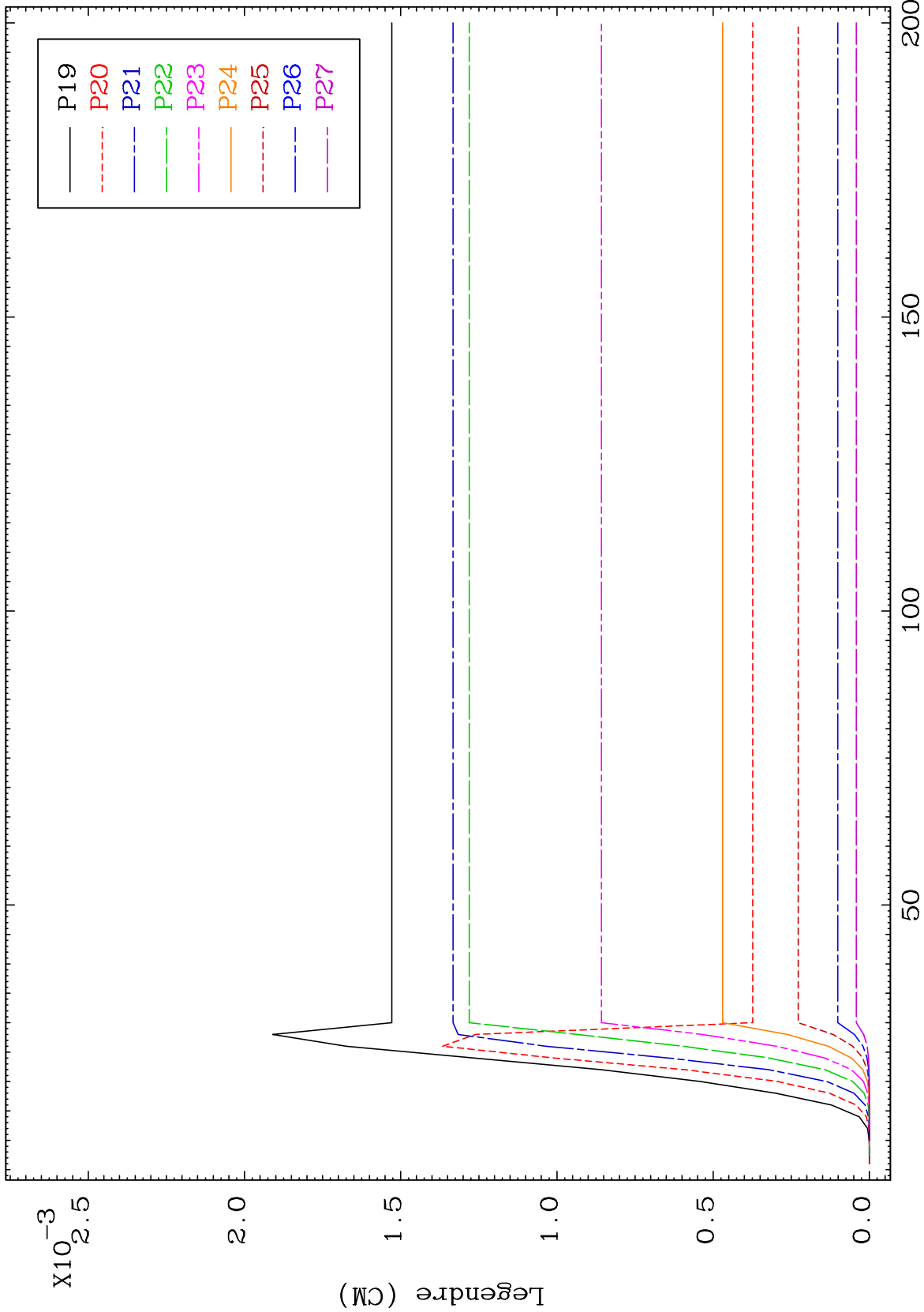
Incident Energy (MeV)

50





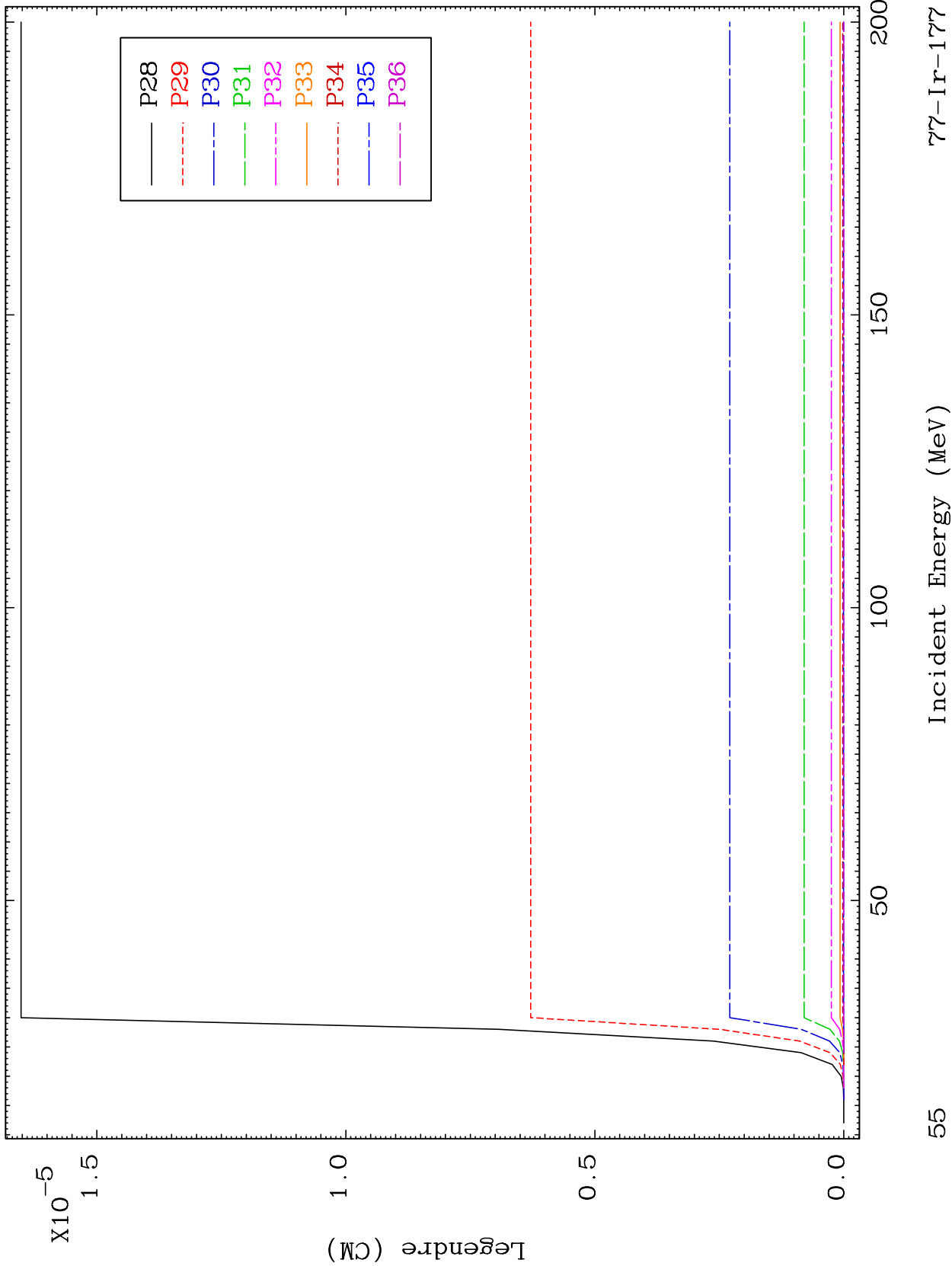




MAT 7683

258.5 keV (n,n') Level
Legendre Coefficients

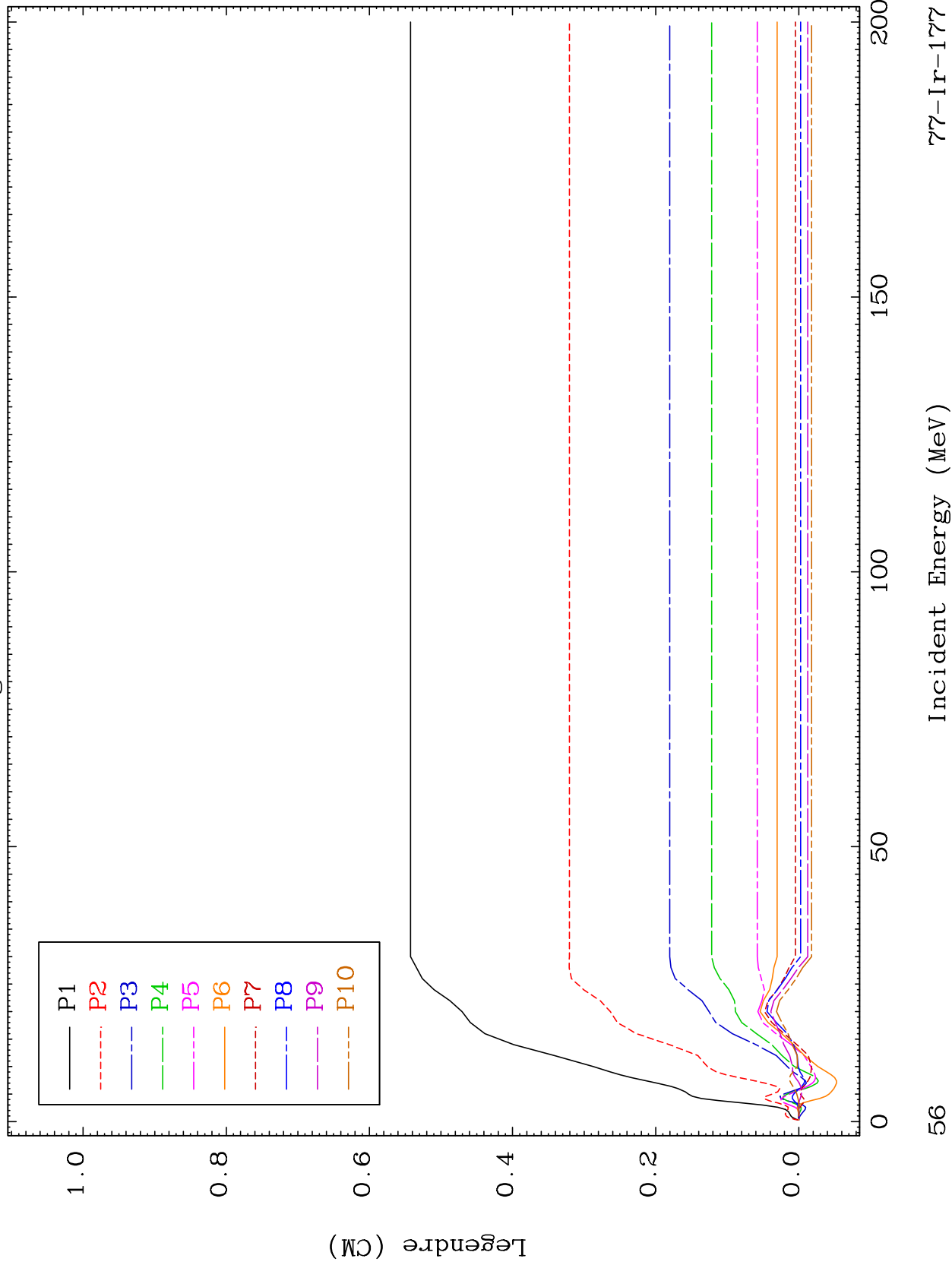
77-Ir-177



MAT 7683

265.9 keV (n,n') Level
Legendre Coefficients

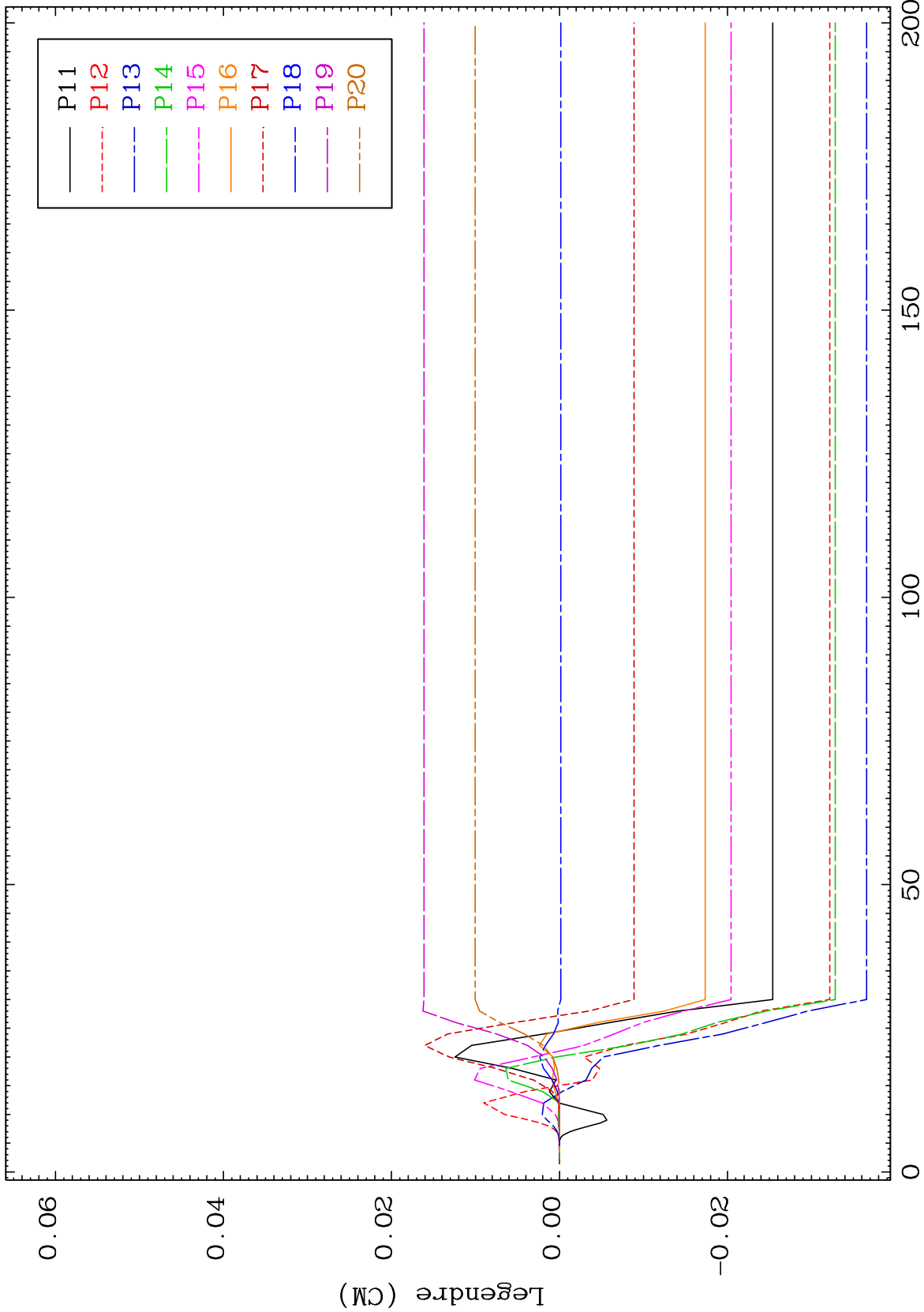
77-Ir-177



56

Incident Energy (MeV)

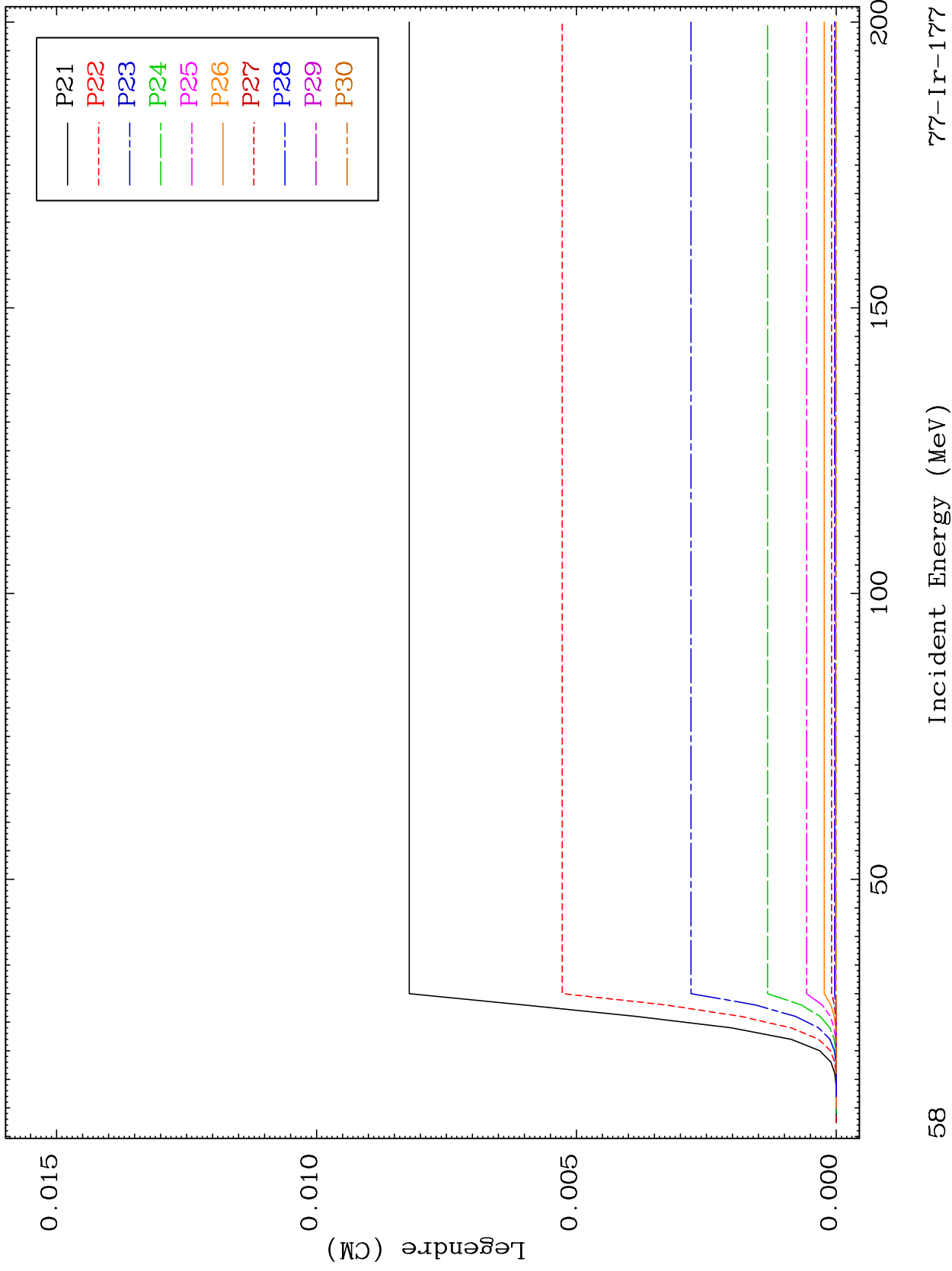
77-Ir-177



MAT 7683

265.9 keV (n,n') Level
Legendre Coefficients

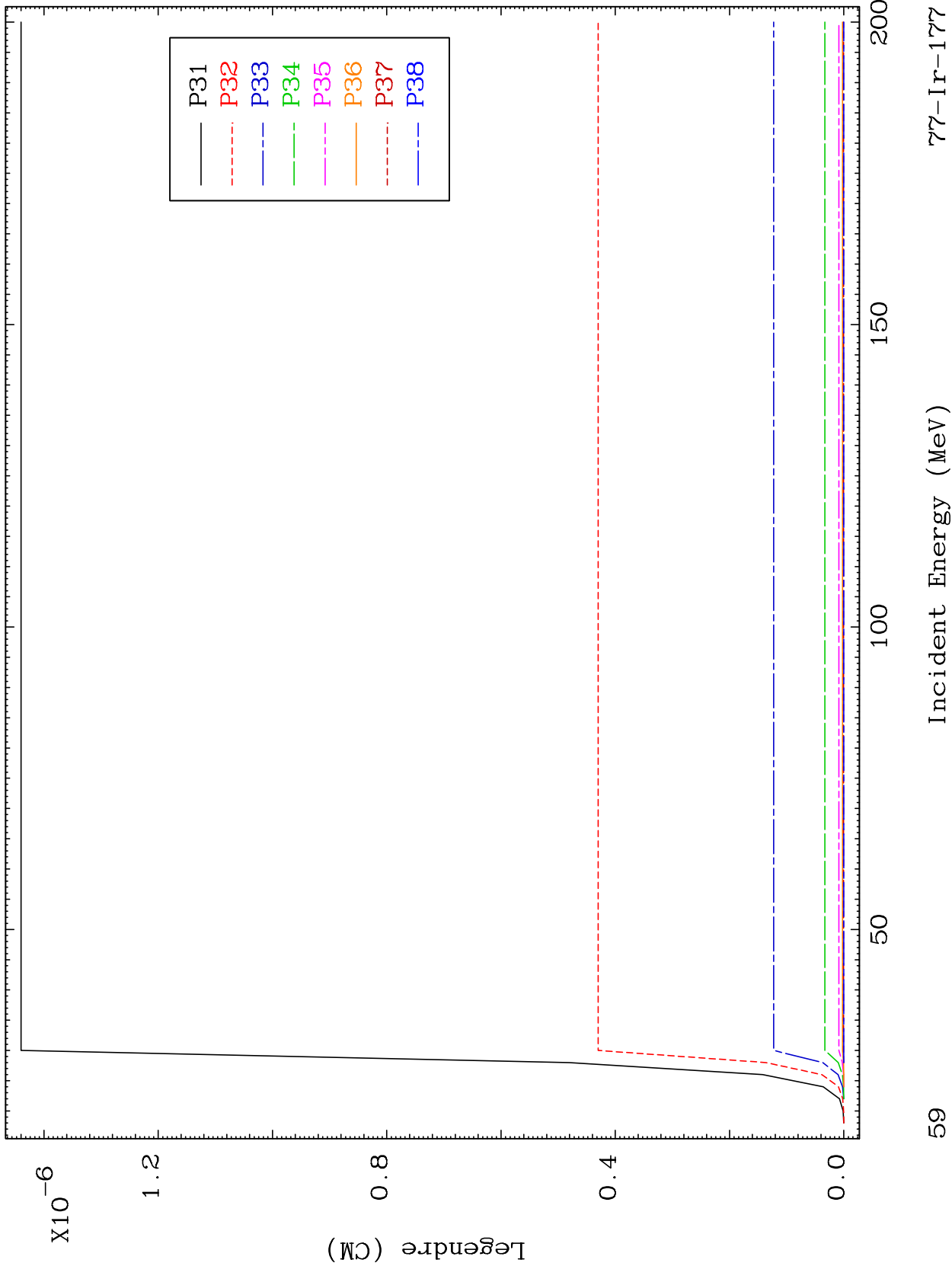
77-Ir-177

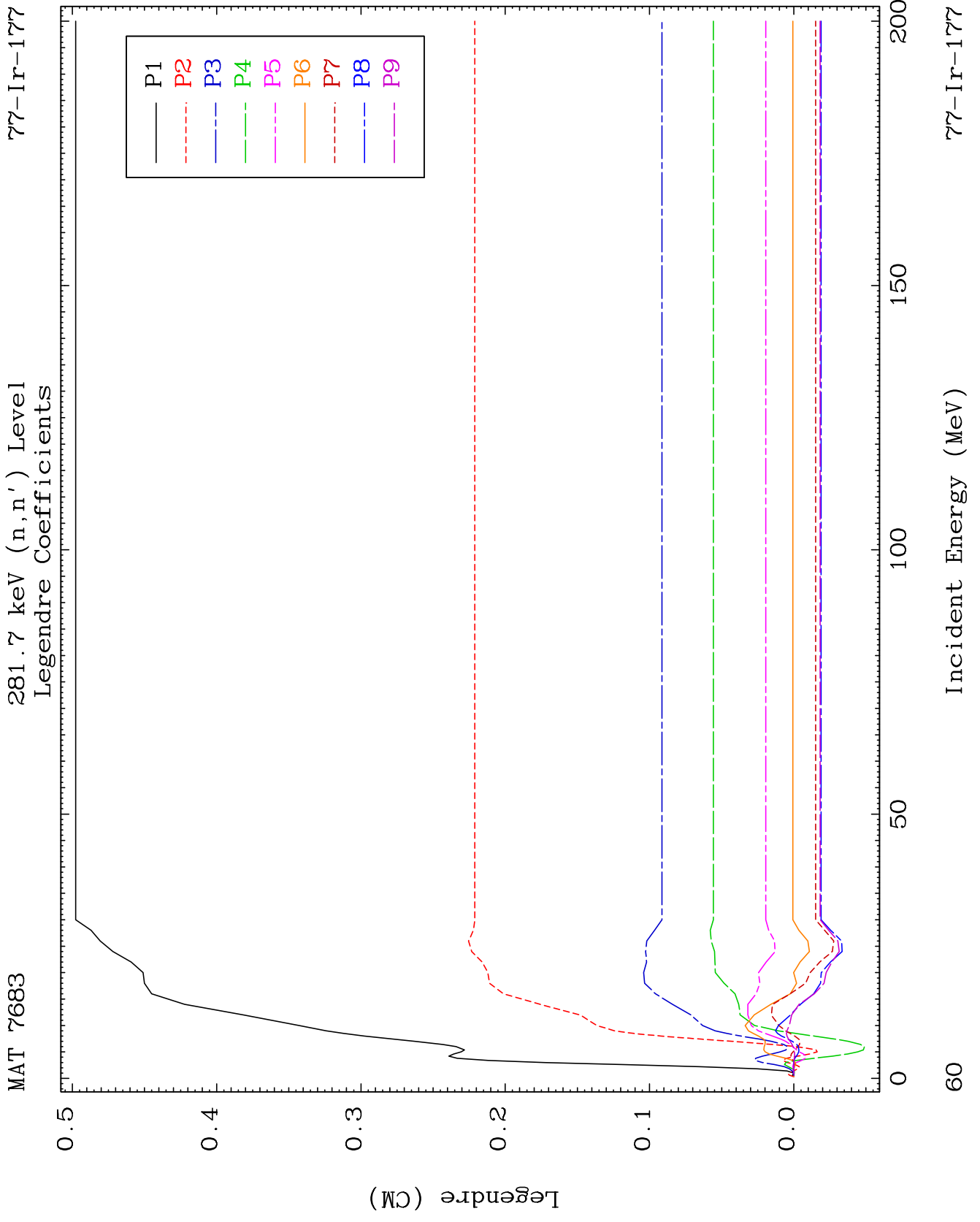


58

Incident Energy (MeV)

77-Ir-177

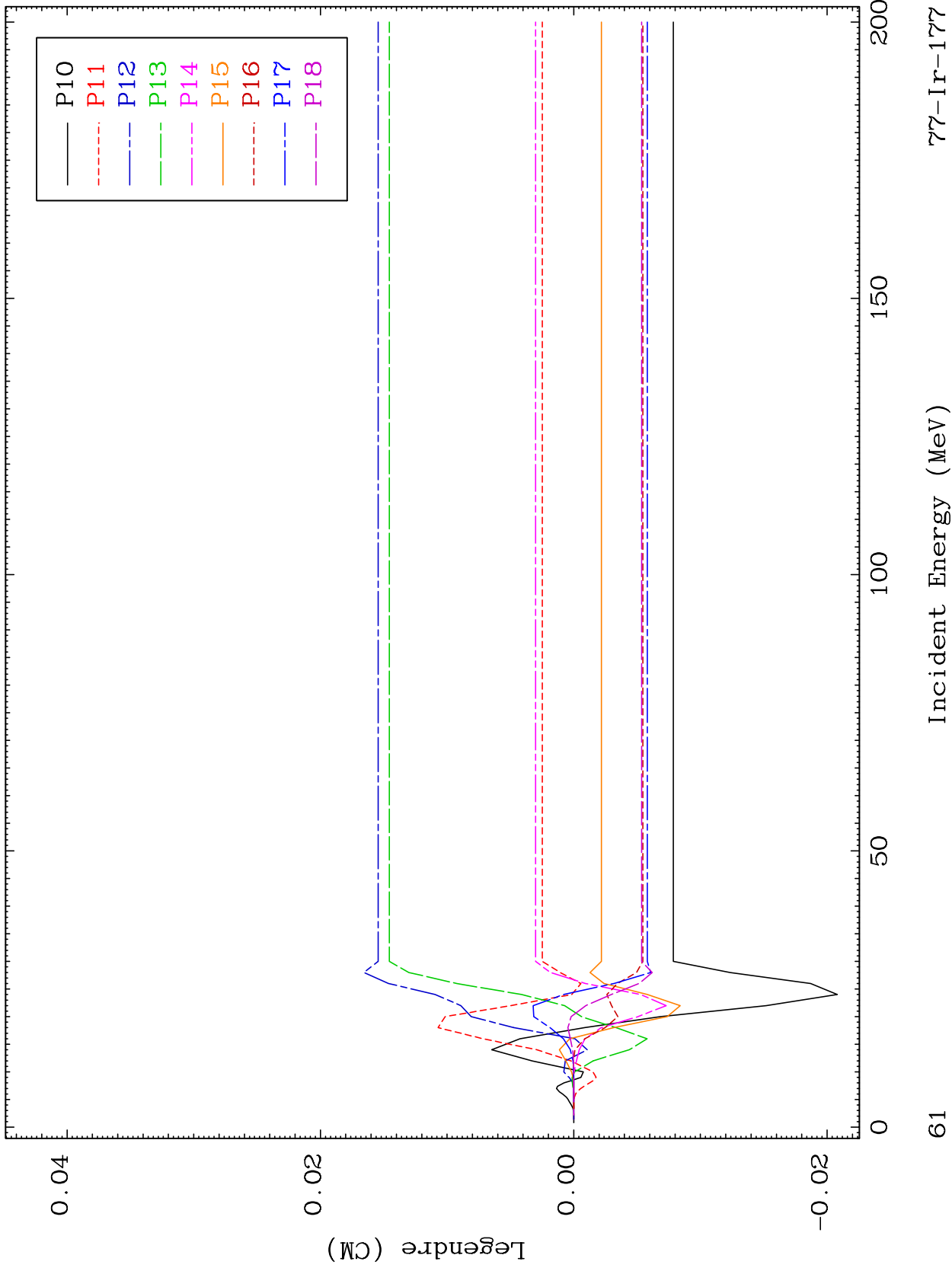




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281.7 keV (n,n') Level
Legendre Coefficients

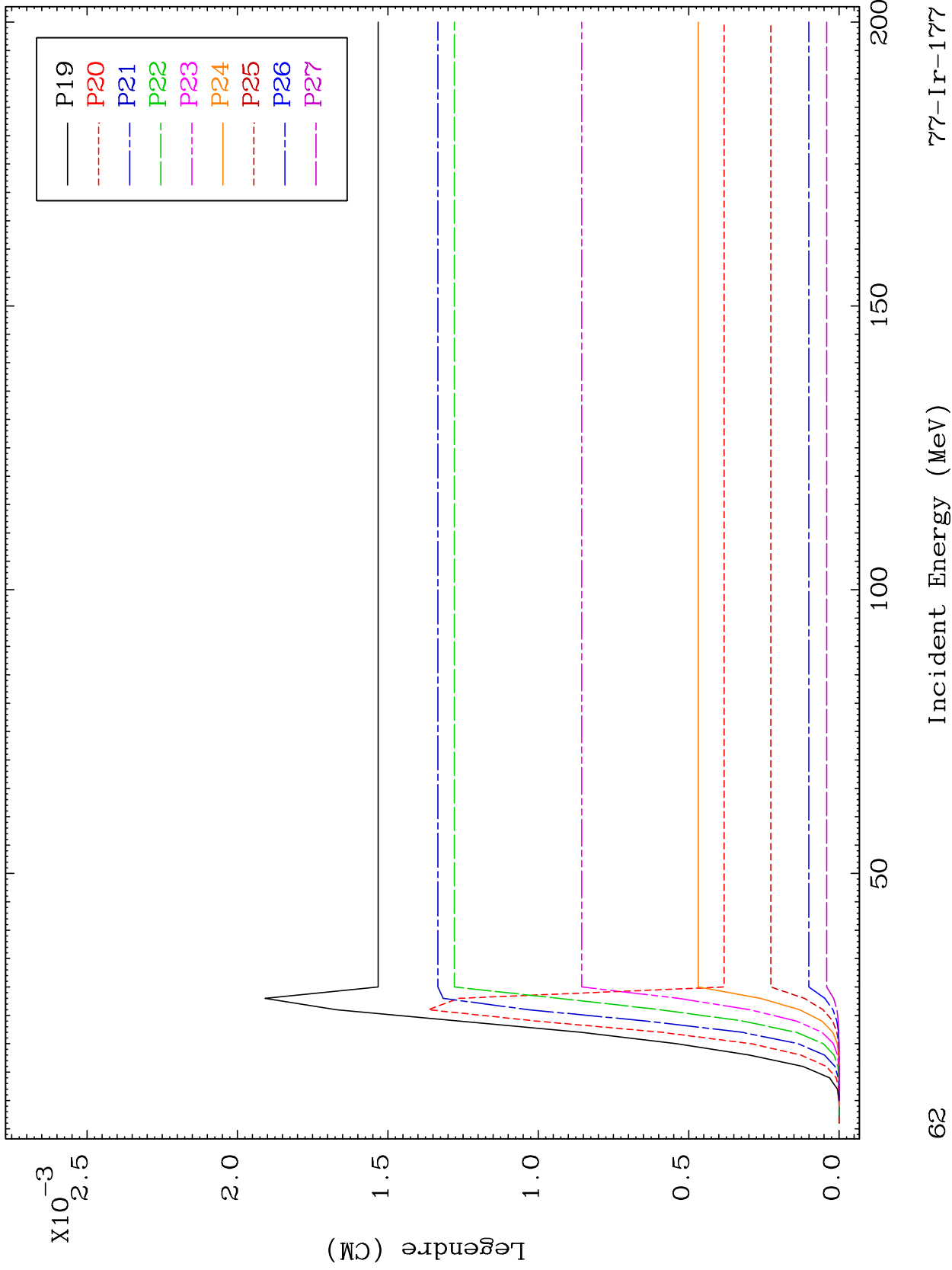
77-Ir-177

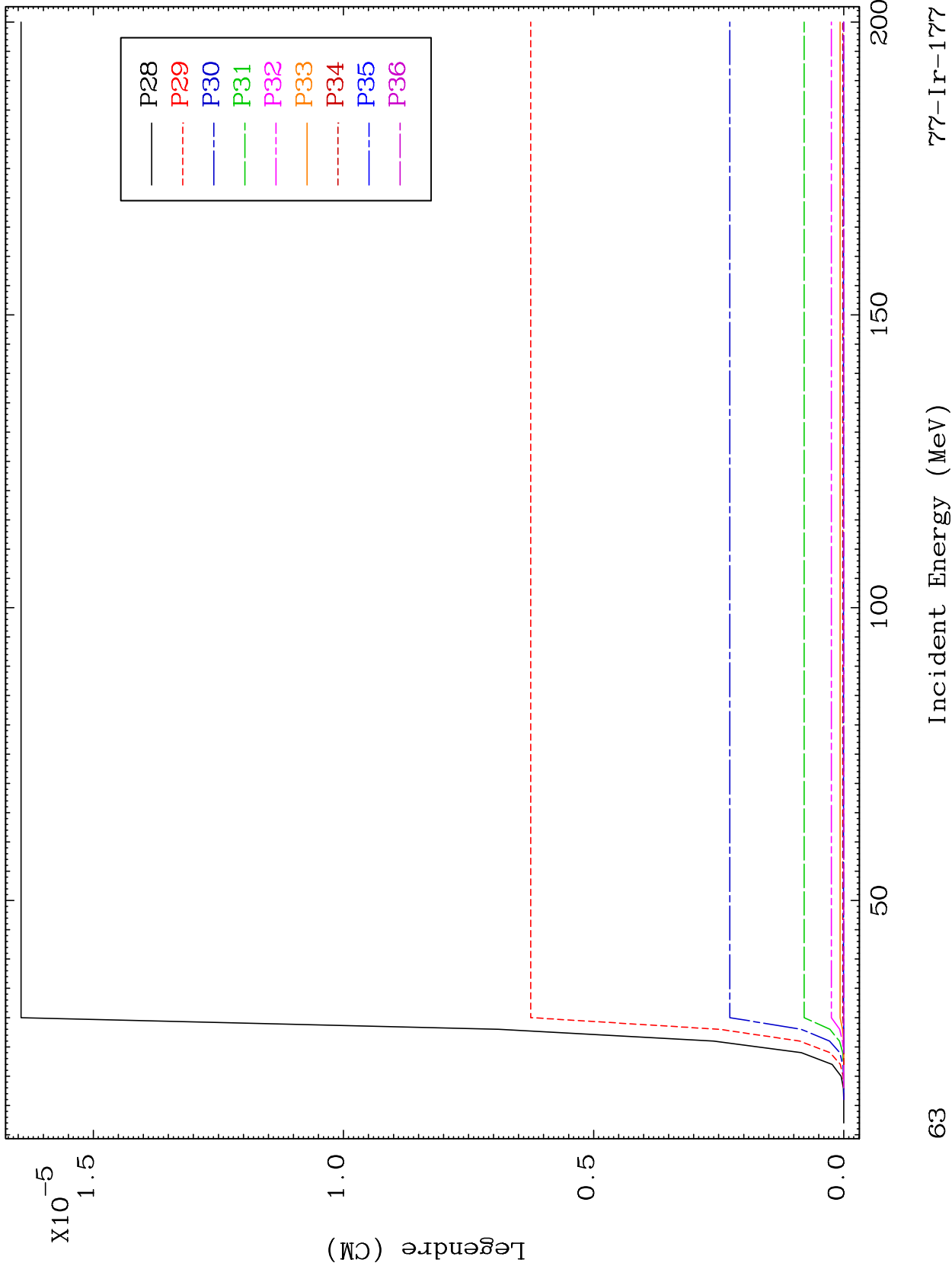


61

Incident Energy (MeV)

77-Ir-177

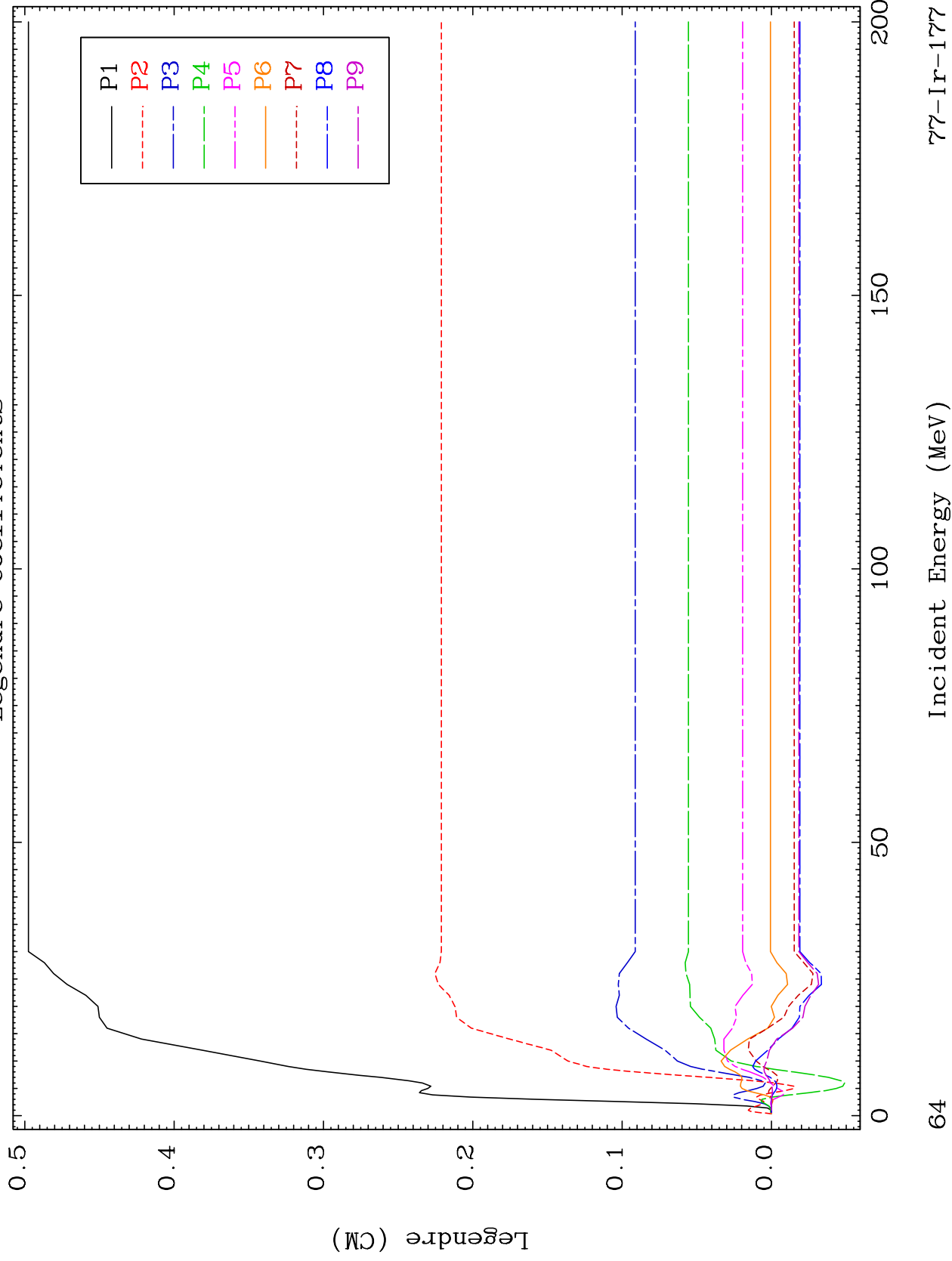




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331.4 keV (n,n') Level
Legendre Coefficients

⁷⁷Ir-177



⁷⁷Ir-177

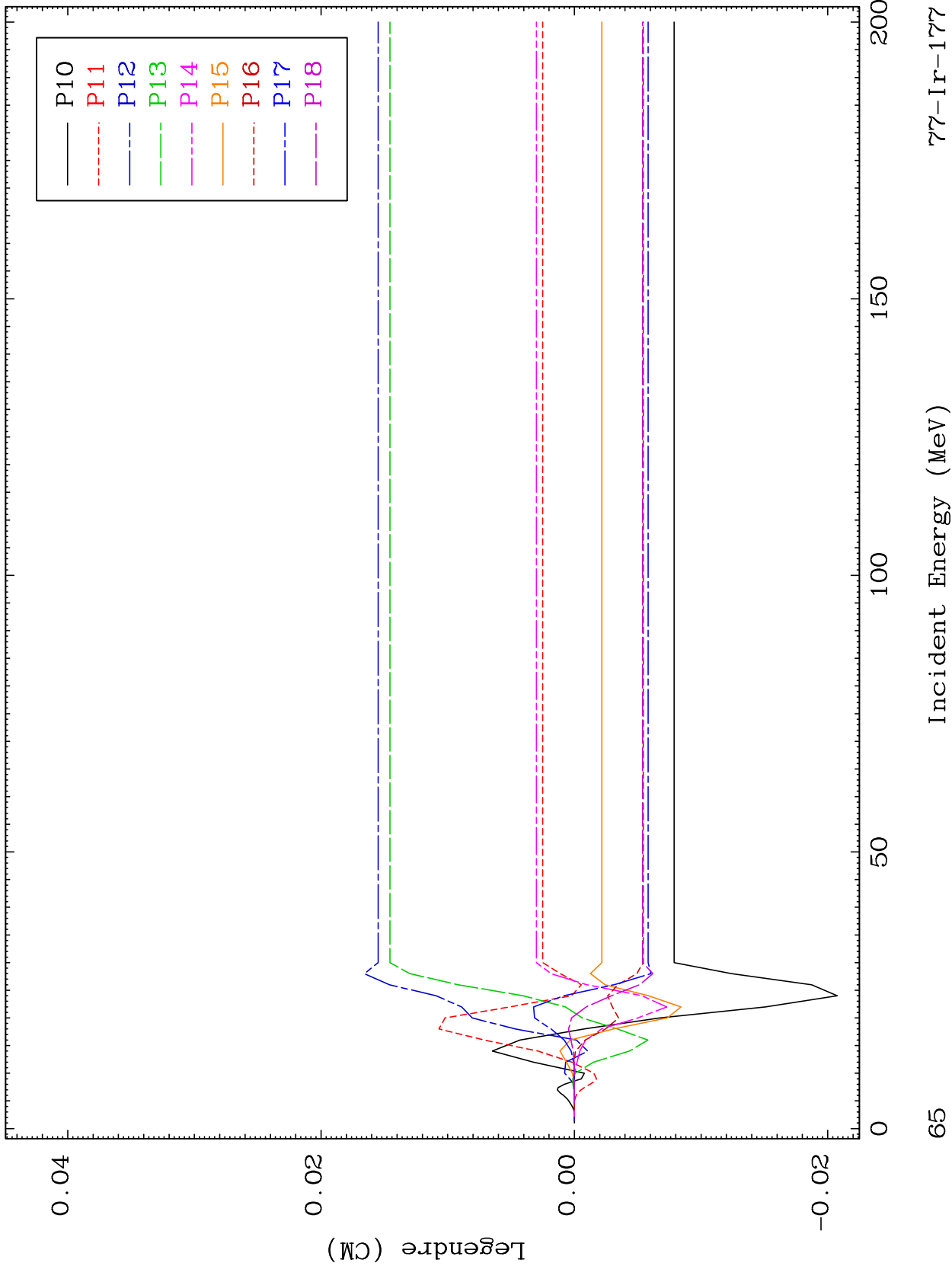
Incident Energy (MeV)

64

MAT 7683

331.4 keV (n,n') Level
Legendre Coefficients

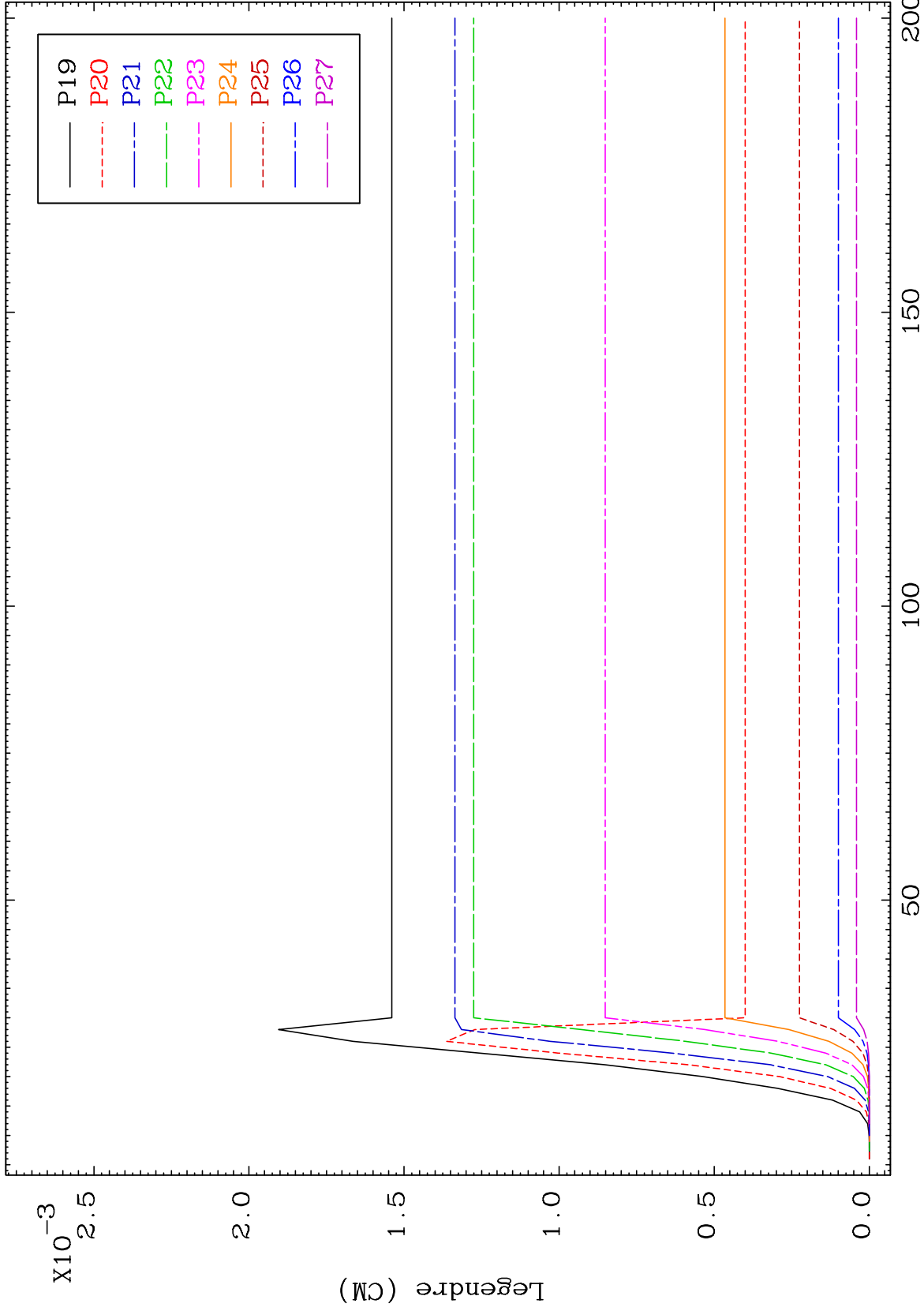
77-Ir-177

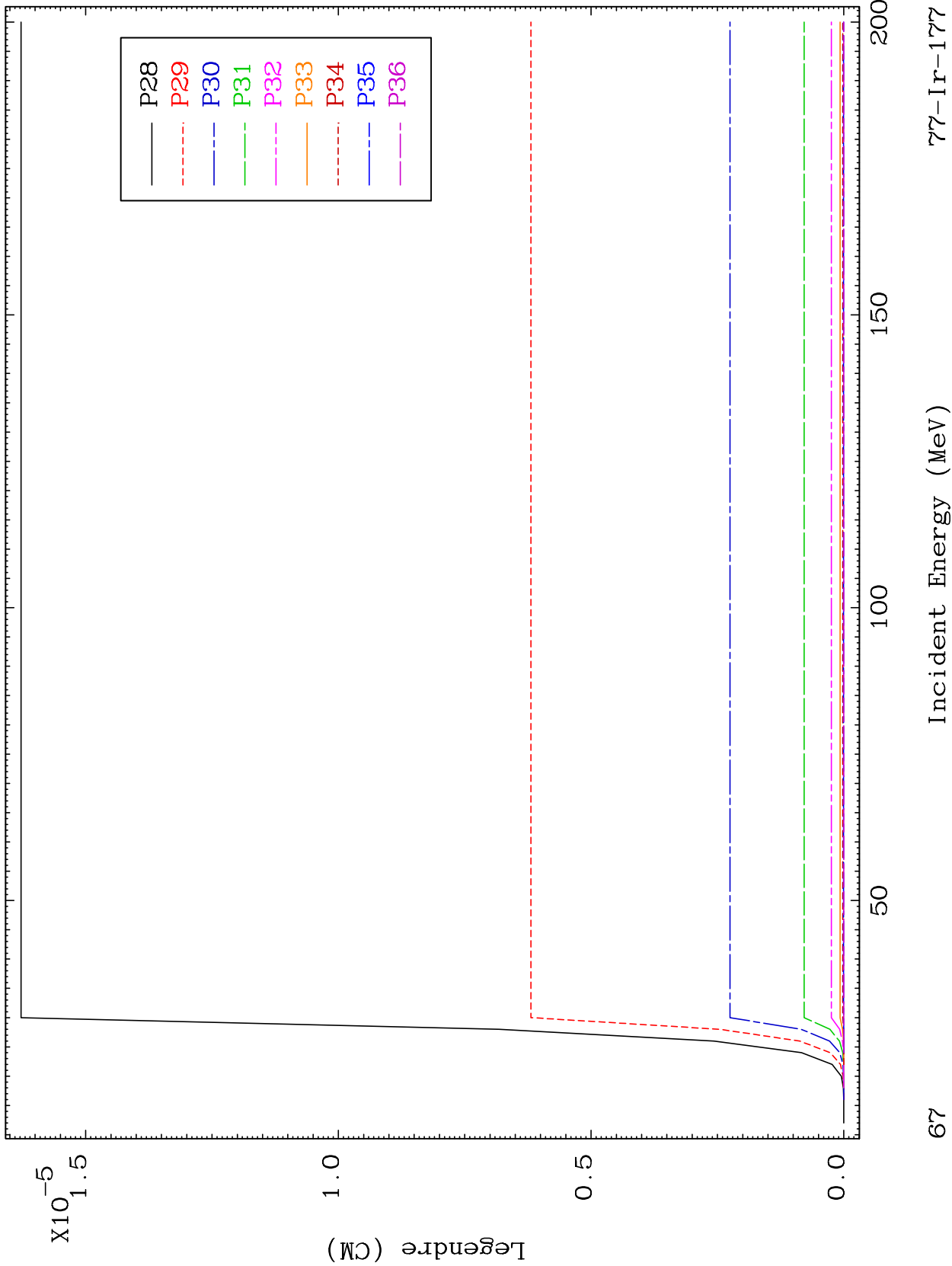


77-Ir-177

Incident Energy (MeV)

65

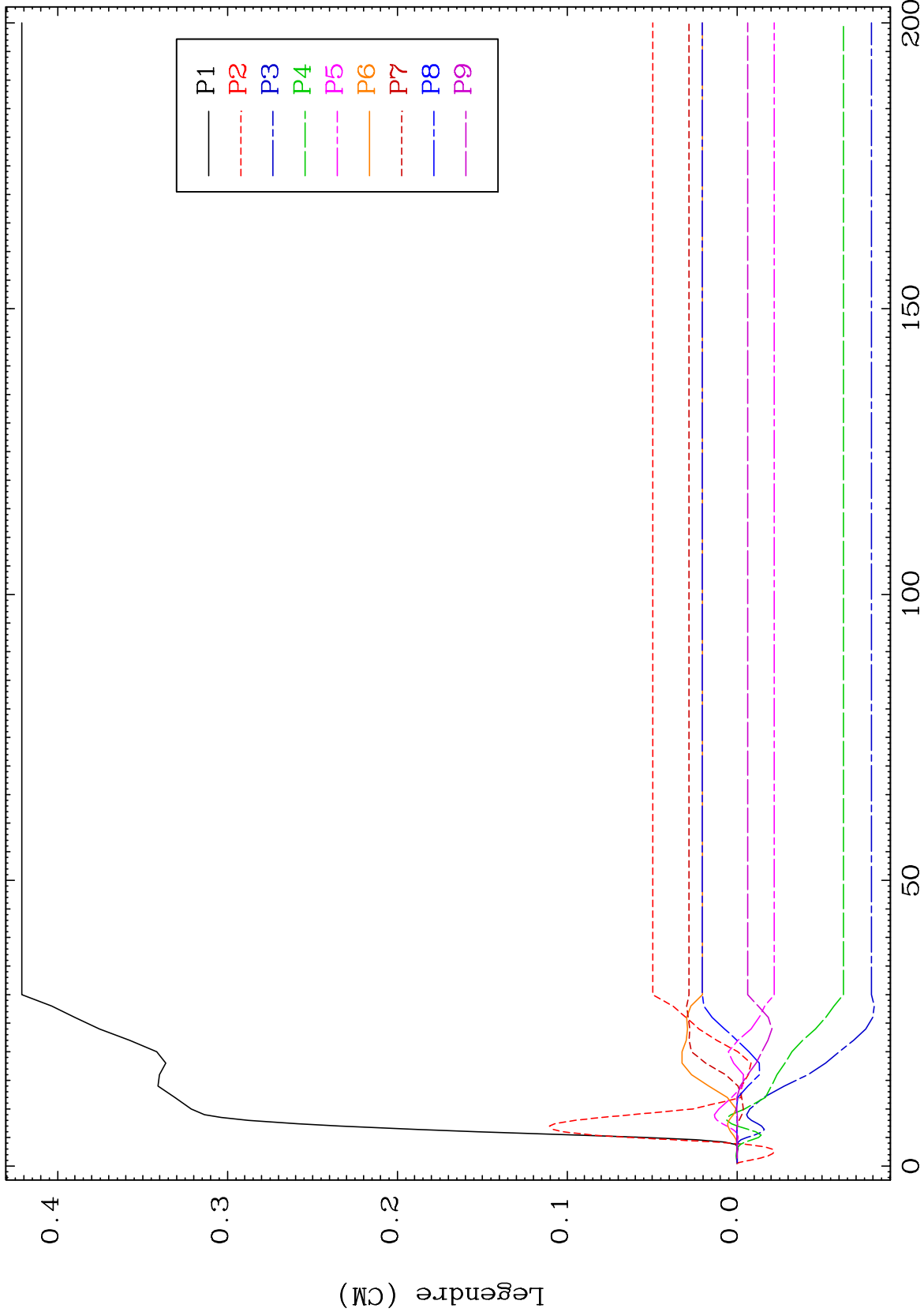




MAT 7683

393.0 keV (n,n') Level
Legendre Coefficients

⁷⁷Ir-177



68

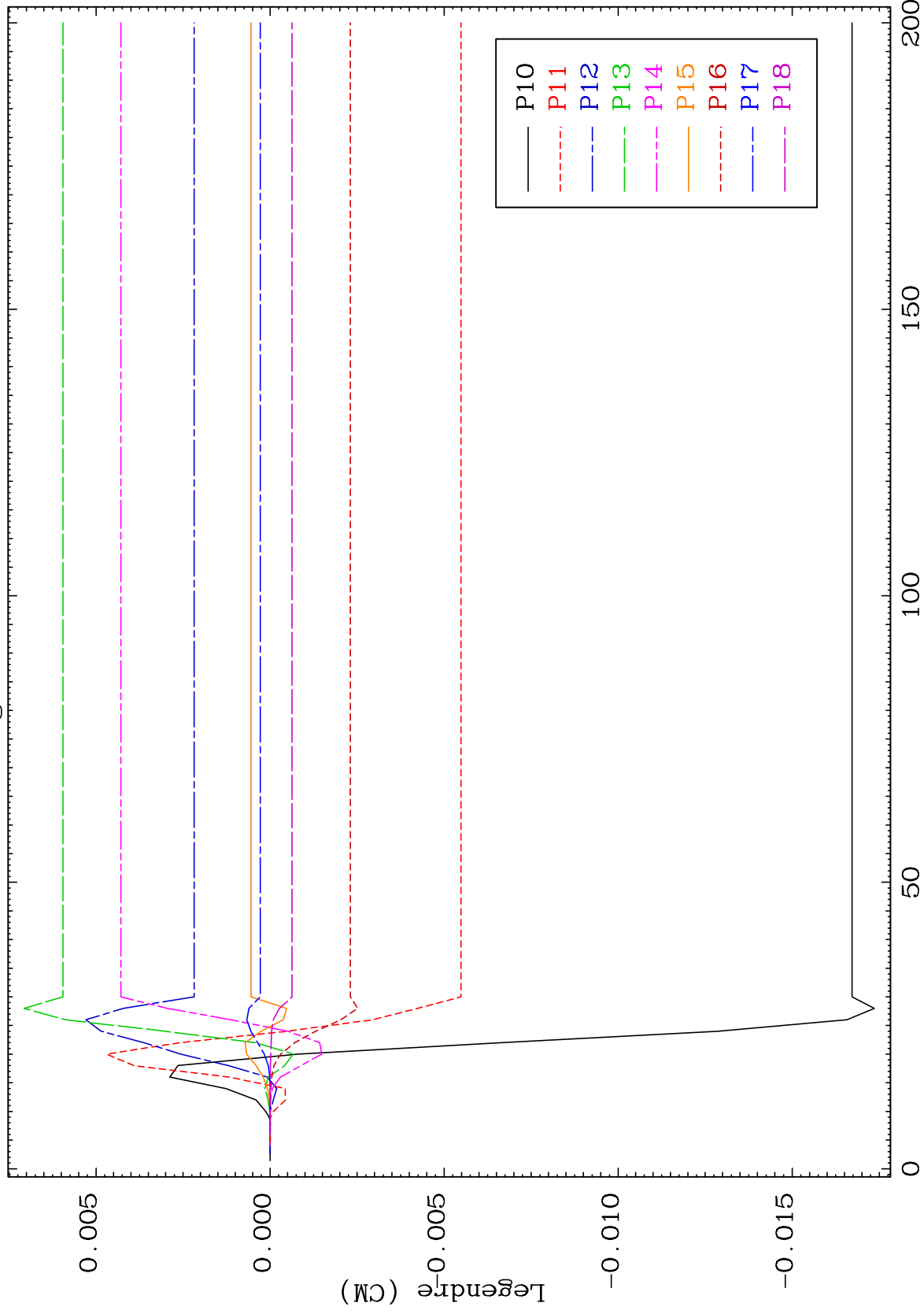
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

393.0 keV (n,n') Level
Legendre Coefficients

77-Ir-177



69

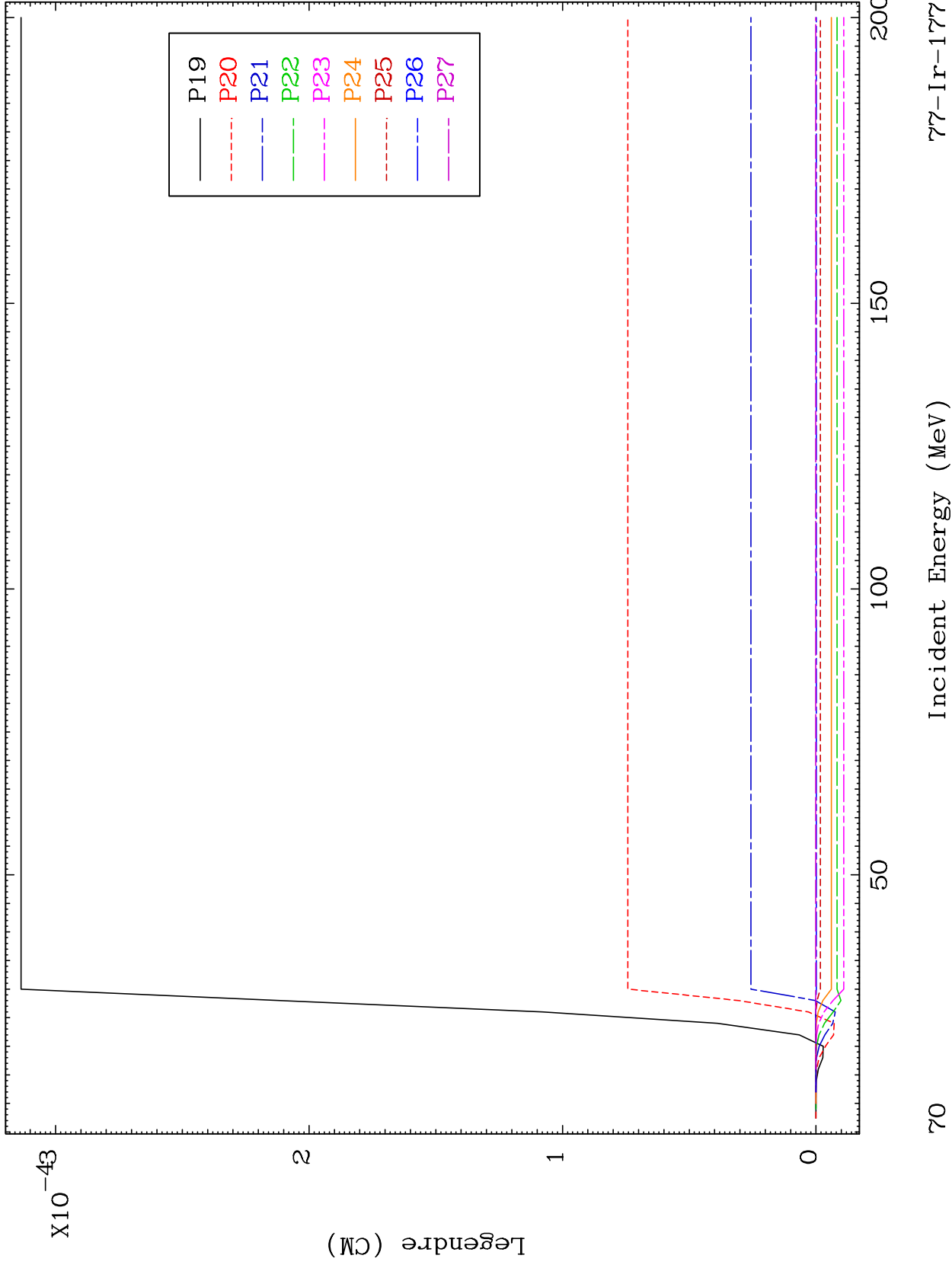
Incident Energy (MeV)

77-Ir-177

MAT 7683

393.0 keV (n,n') Level
Legendre Coefficients

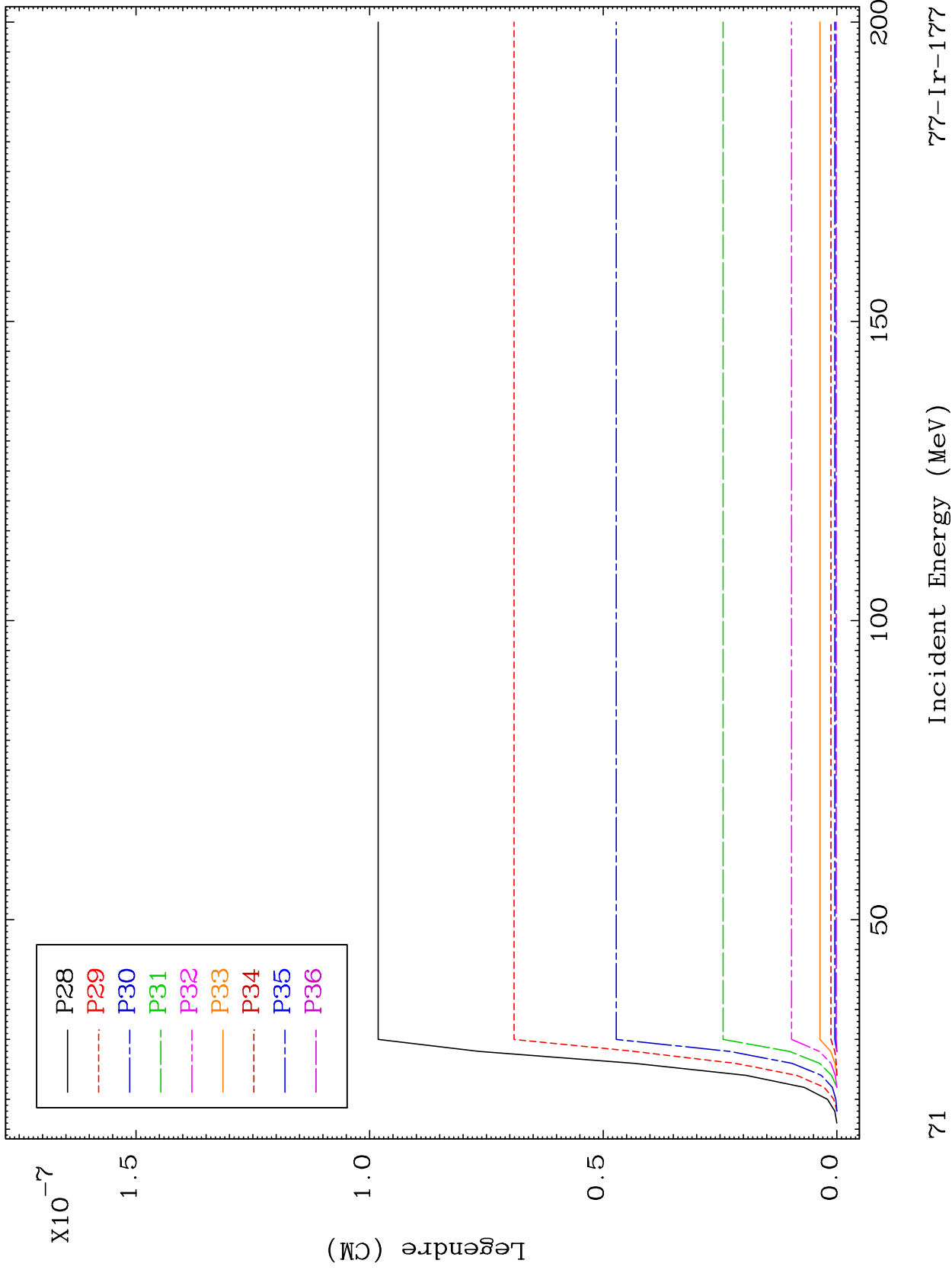
77-Ir-177



MAT 7683

393.0 keV (n,n') Level
Legendre Coefficients

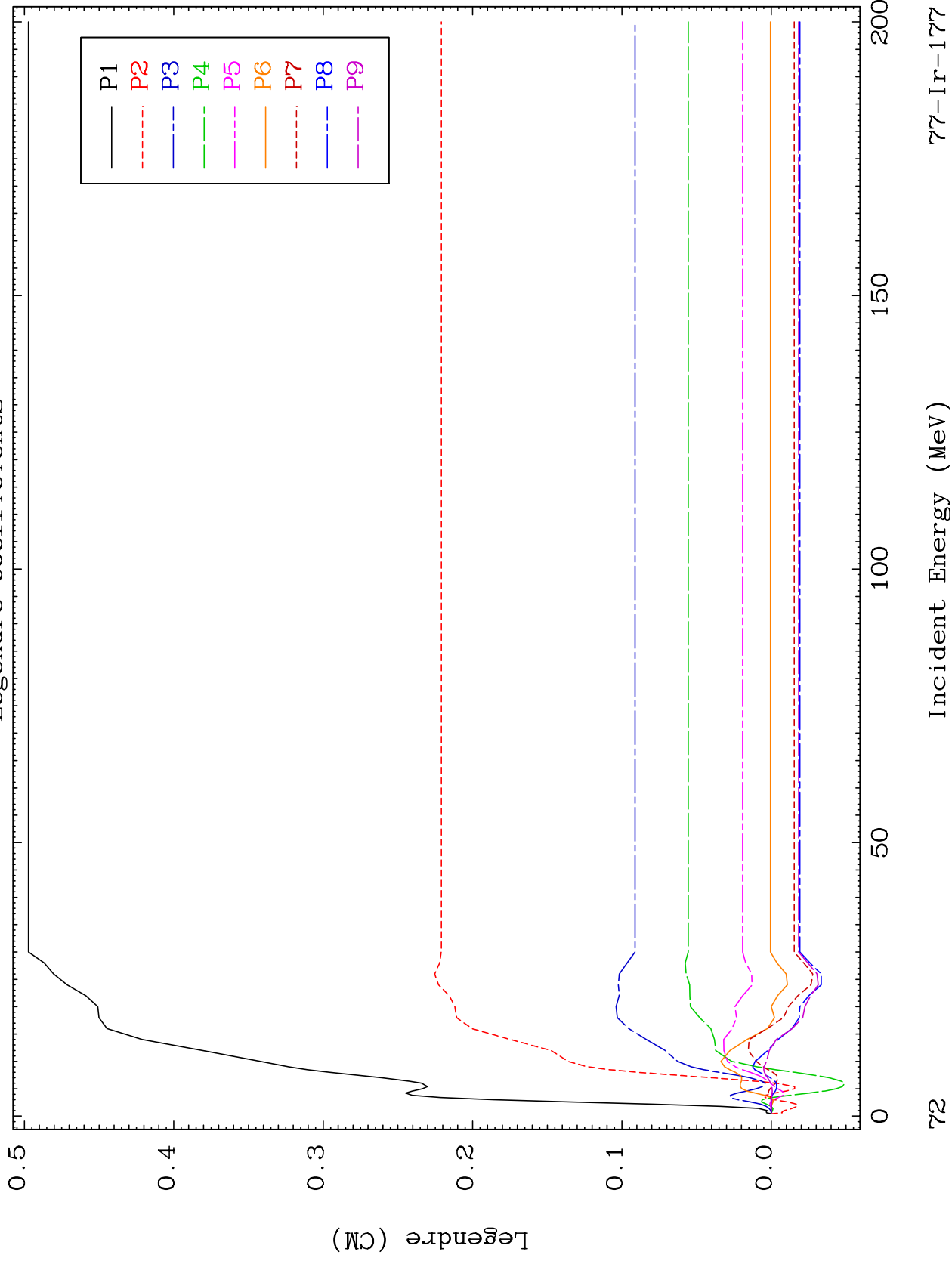
77-Ir-177



MAT 7683

404.7 keV (n,n') Level
Legendre Coefficients

⁷⁷Ir-177



⁷⁷Ir-177

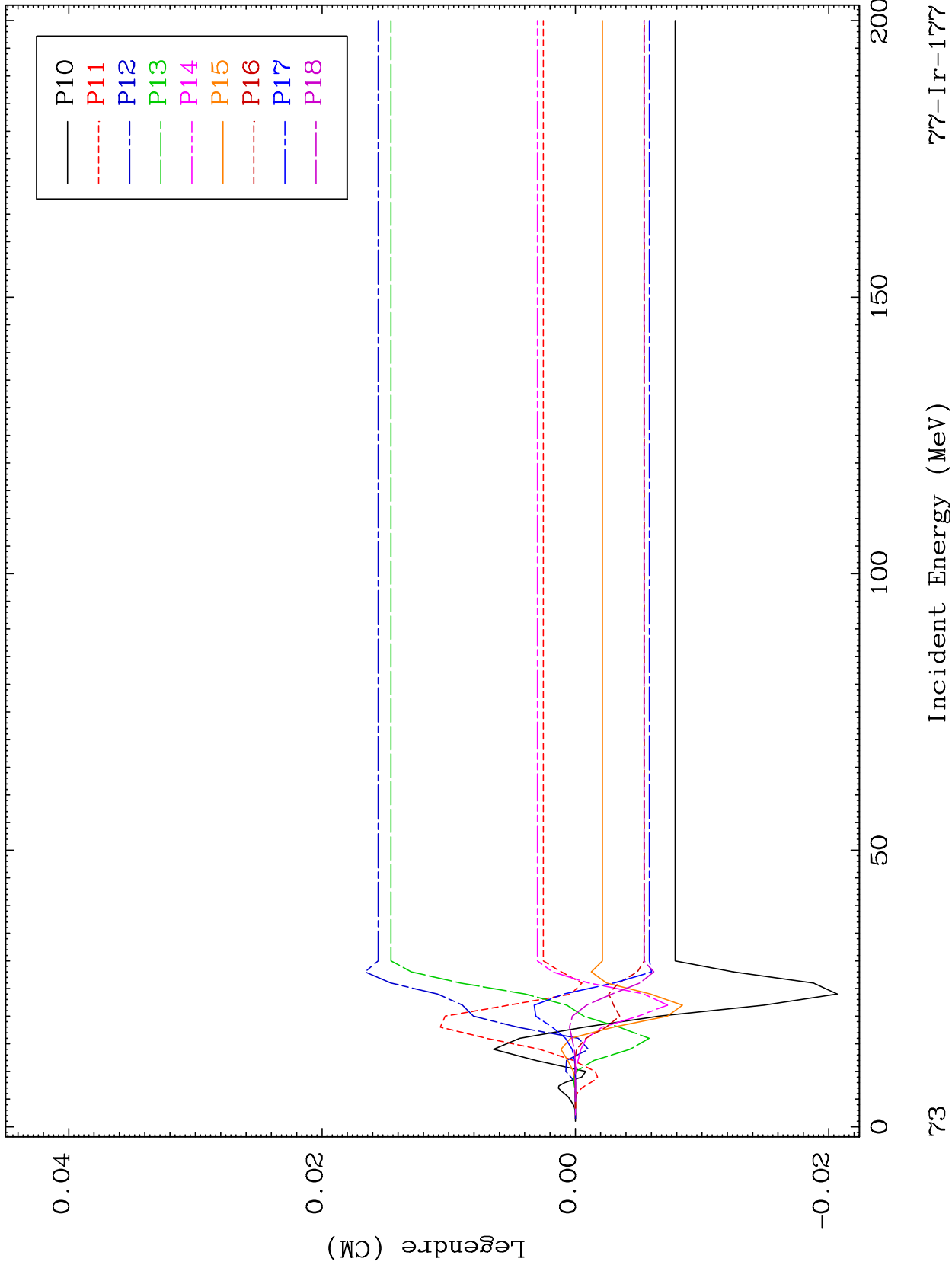
Incident Energy (MeV)

72

MAT 7683

404.7 keV (n,n') Level
Legendre Coefficients

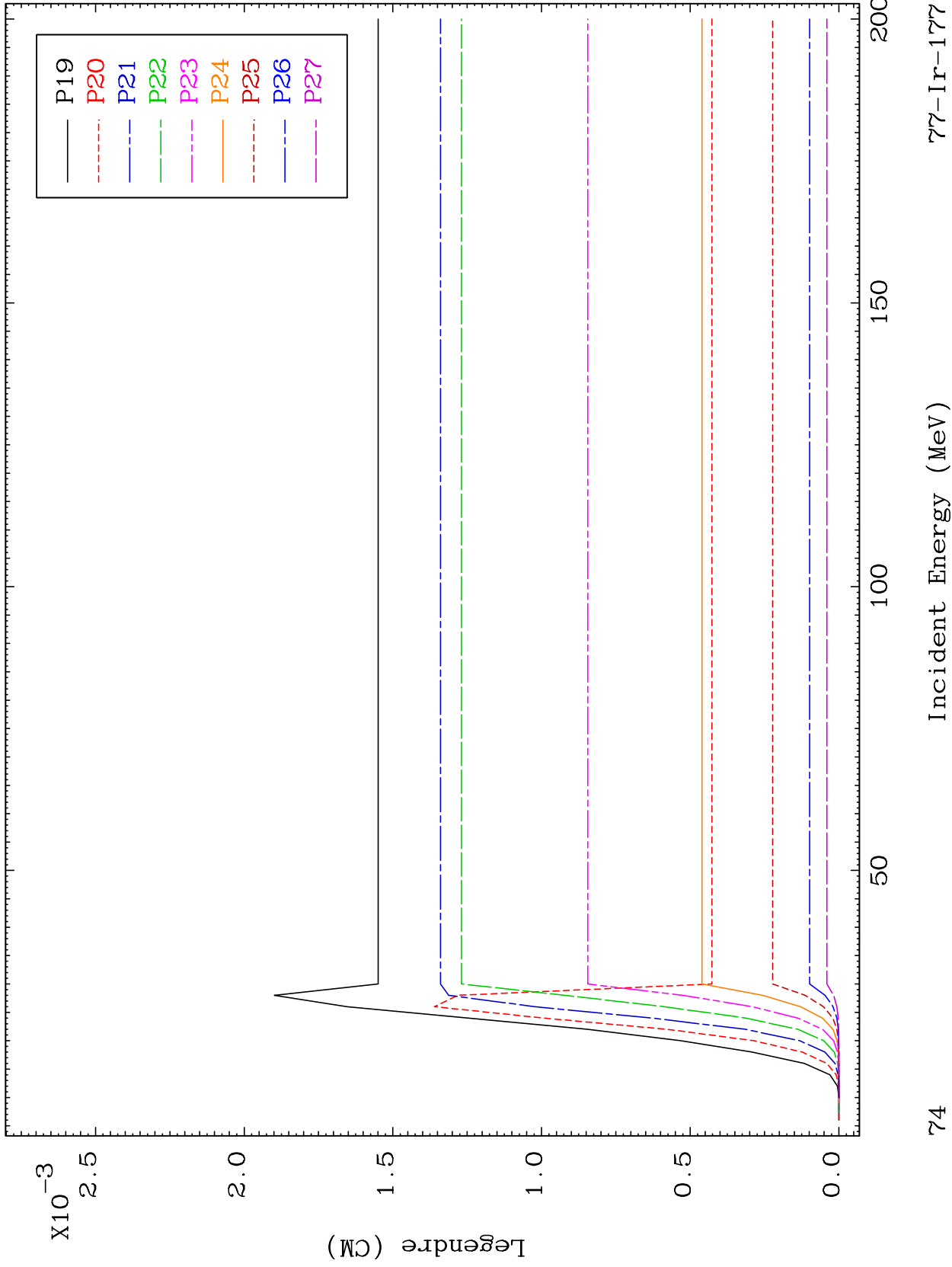
77-Ir-177



73

Incident Energy (MeV)

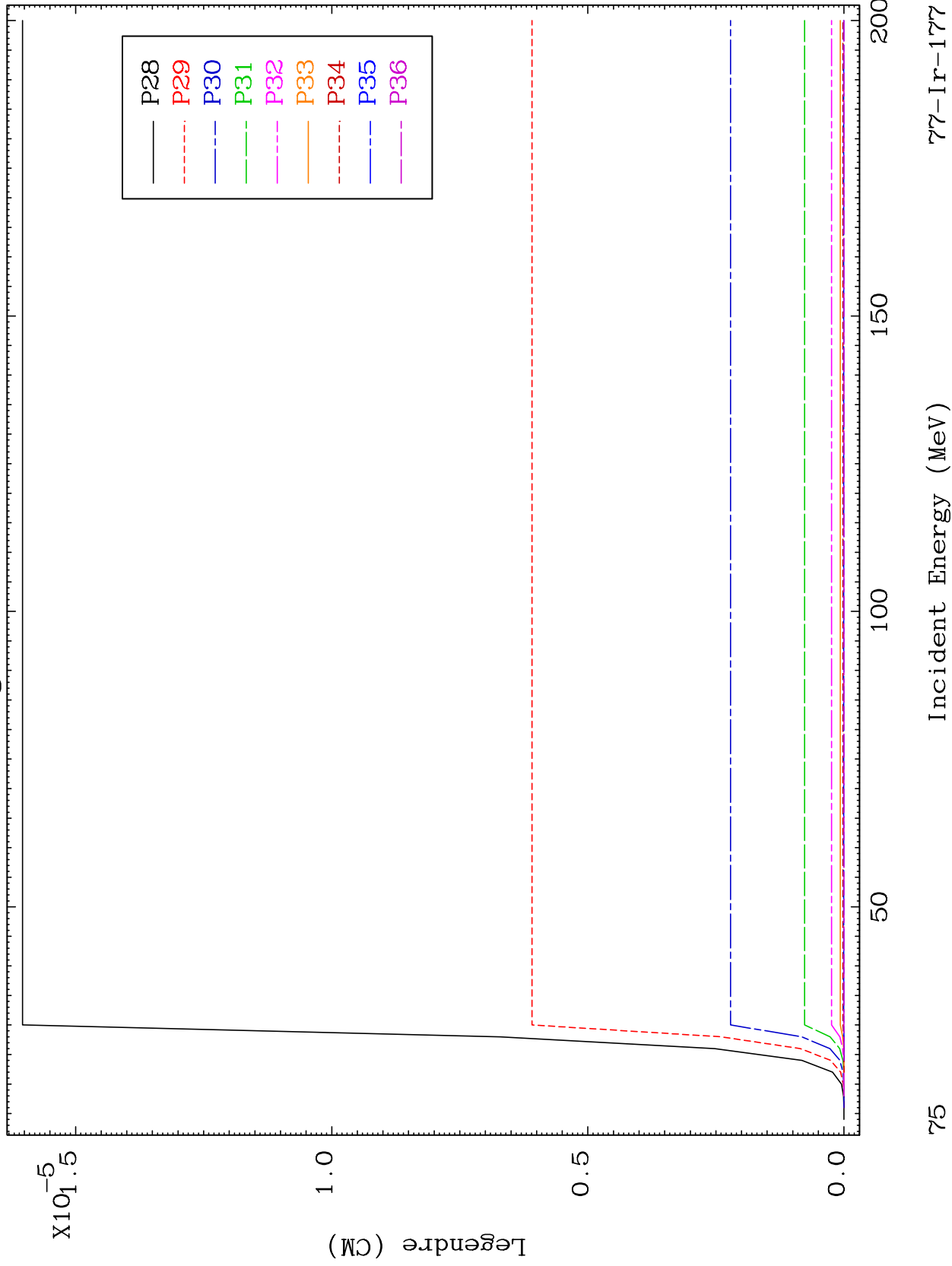
77-Ir-177



MAT 7683

404.7 keV (n,n') Level
Legendre Coefficients

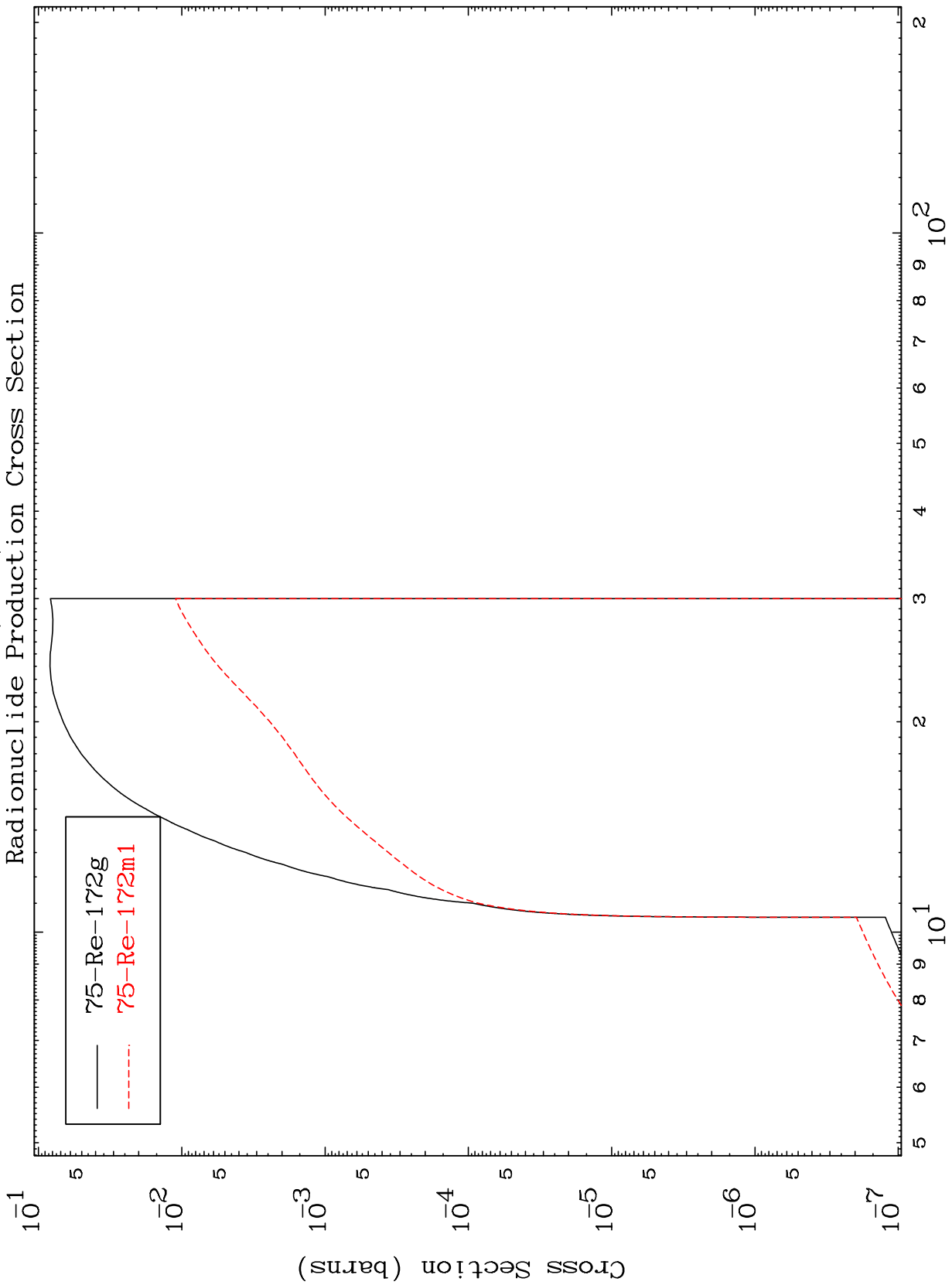
77-Ir-177



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$(n,2n) \alpha$

$^{77}\text{Ir-177}$



76

Incident Energy (MeV)

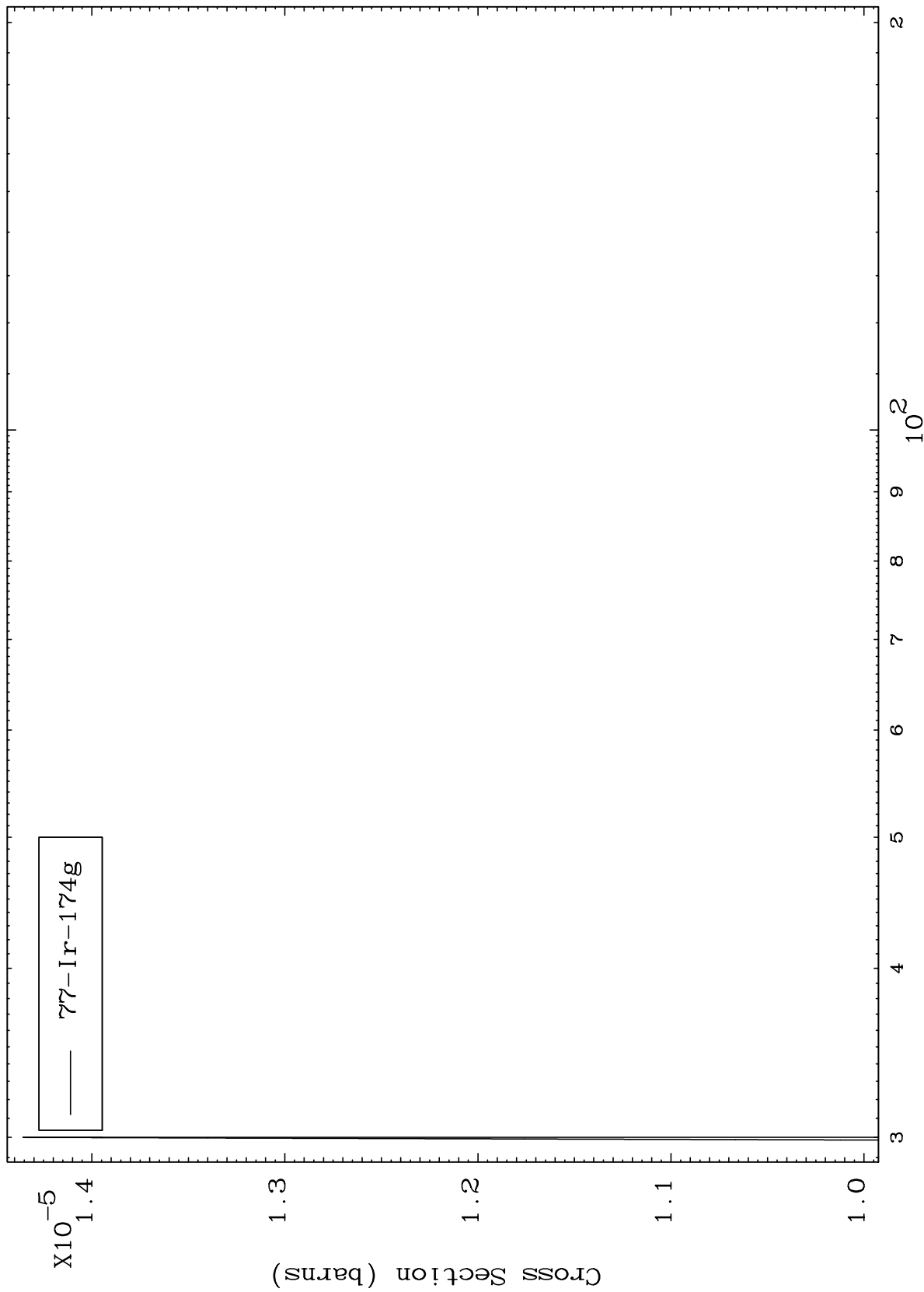
$^{77}\text{Ir-177}$

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⁷⁷Ir-177

(n,4n)

Radionuclide Production Cross Section



⁷⁷

Incident Energy (MeV)

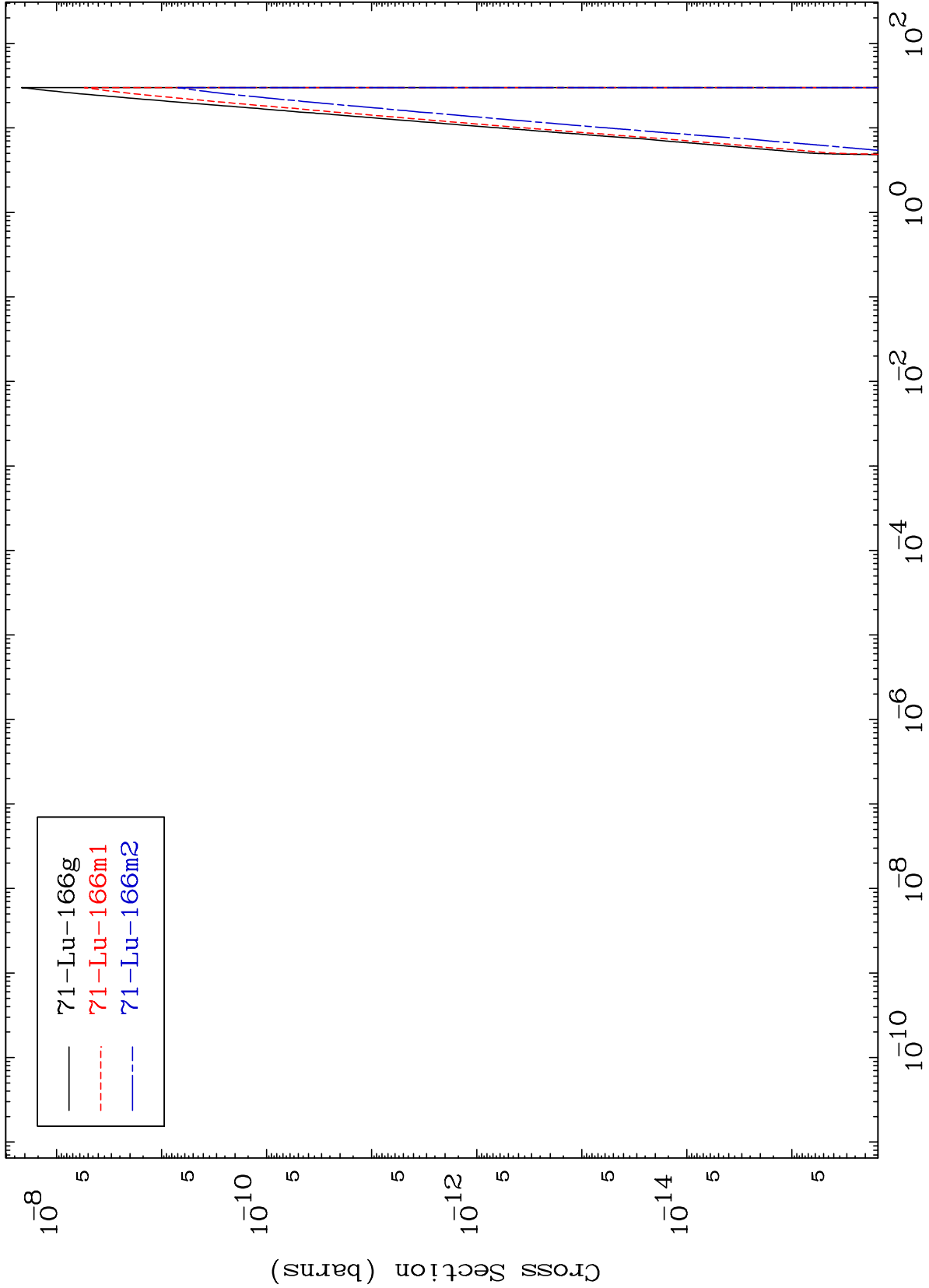
⁷⁷Ir-177

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(n,3 α)

⁷⁷Ir-177

Radionuclide Production Cross Section



78

Incident Energy (MeV)

⁷⁷Ir-177