

Program EVALPLOT
(Version 2015-2)

by

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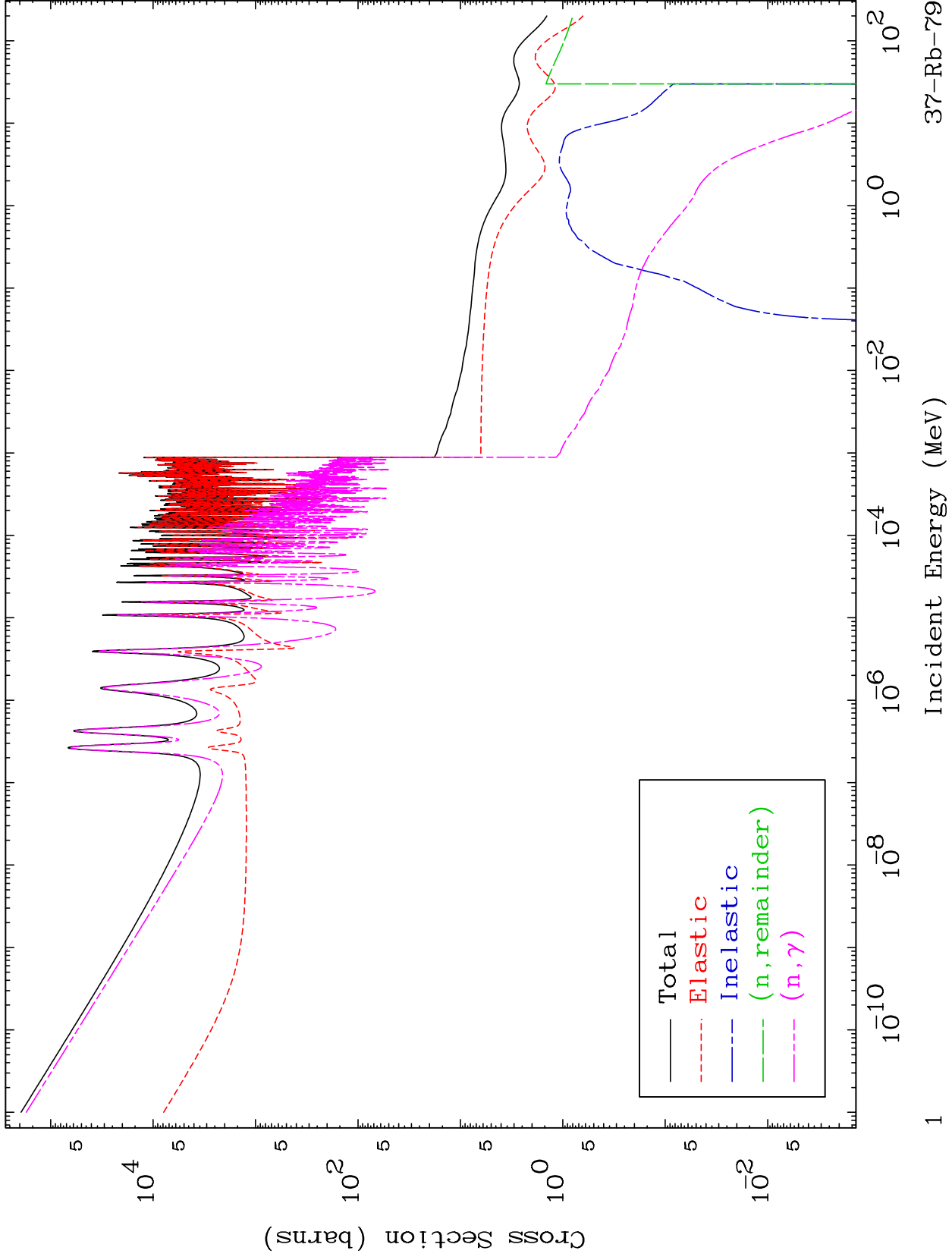
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 3707

Major
293 Kelvin Cross Sections

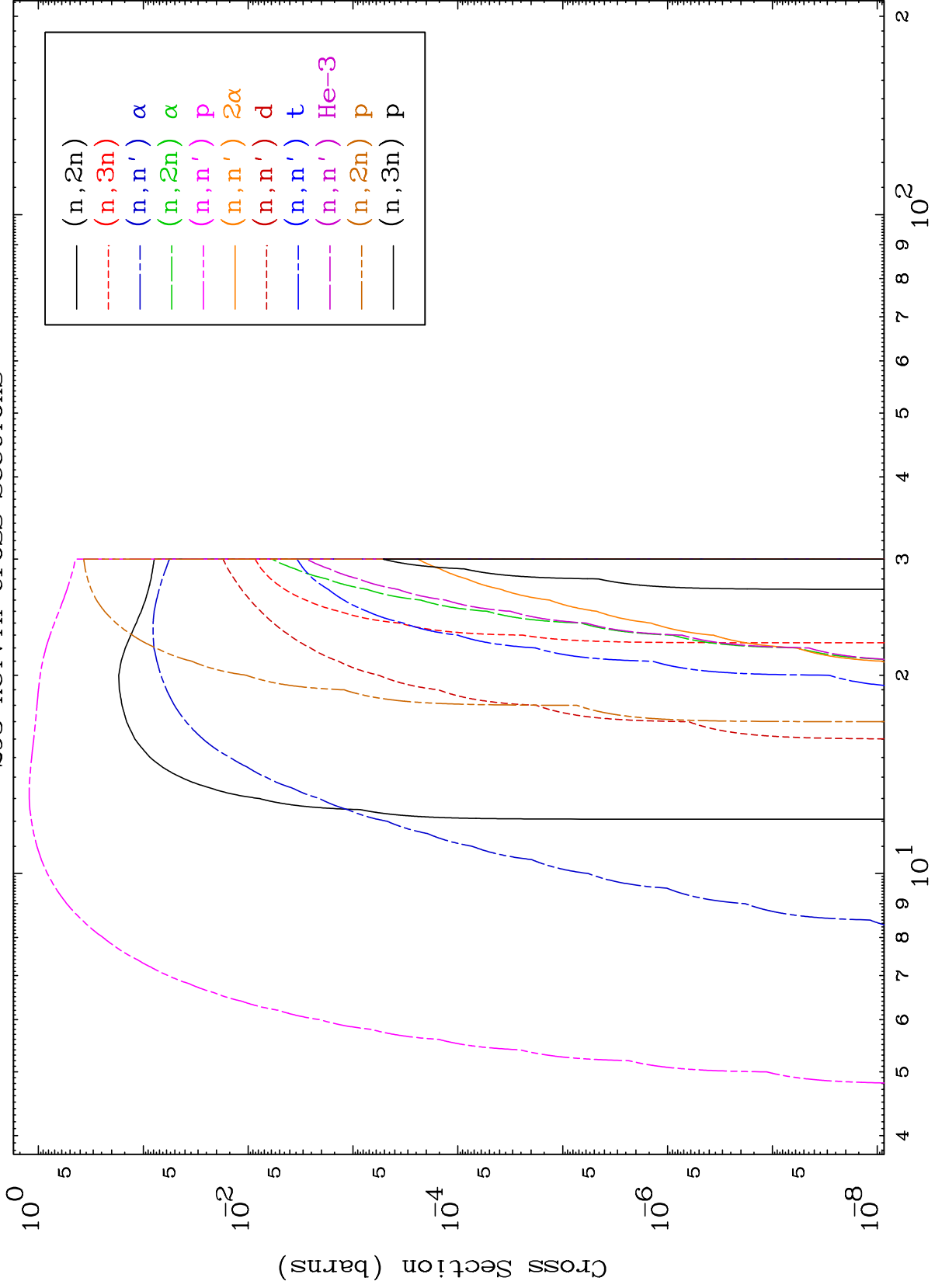
37-Rb-79



MAT 3707

Neutron Production
293 Kelvin Cross Sections

37-Rb-79



2

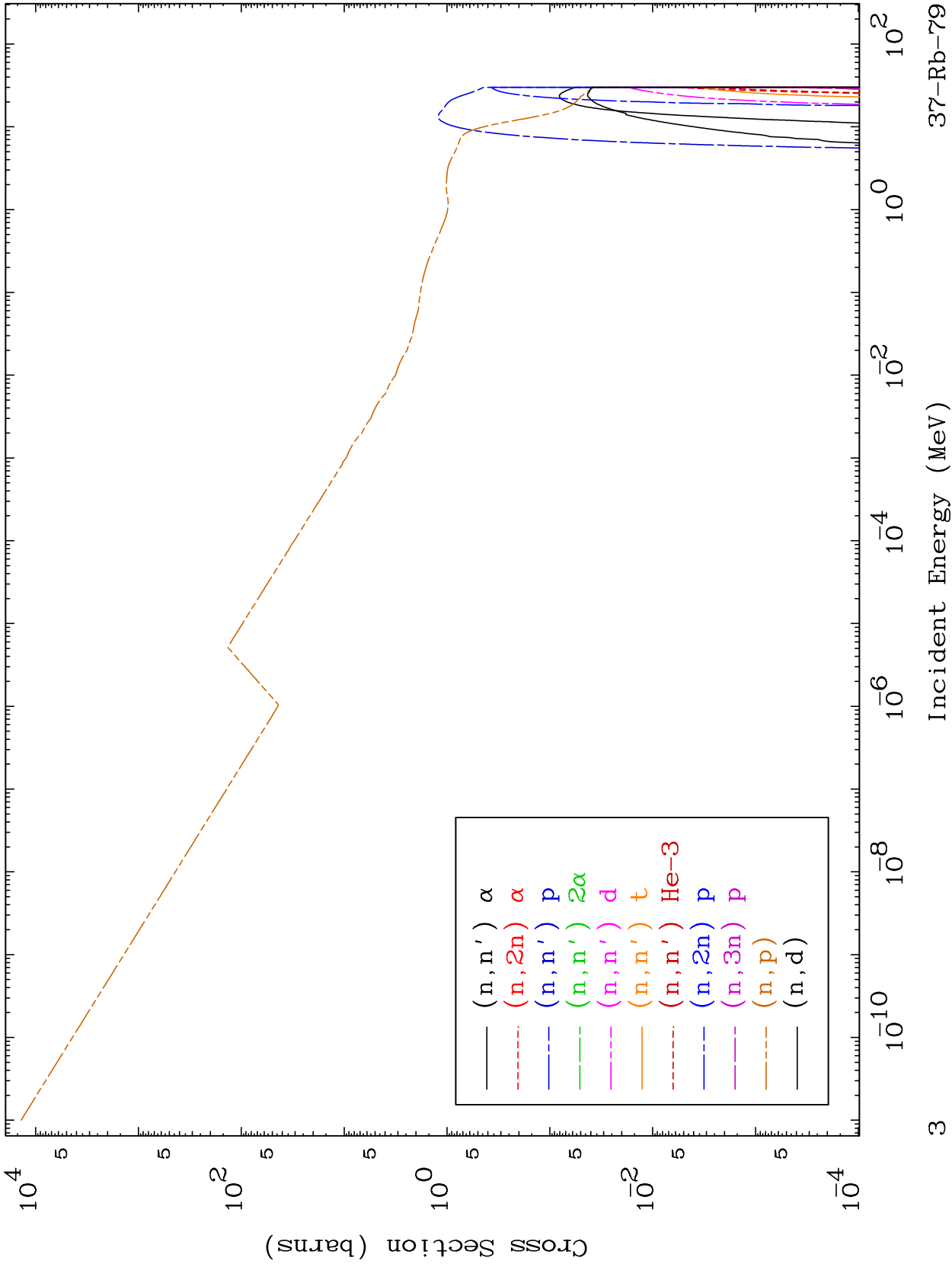
Incident Energy (MeV)

37-Rb-79

MAT 3707

Charged Particle
293 Kelvin Cross Sections

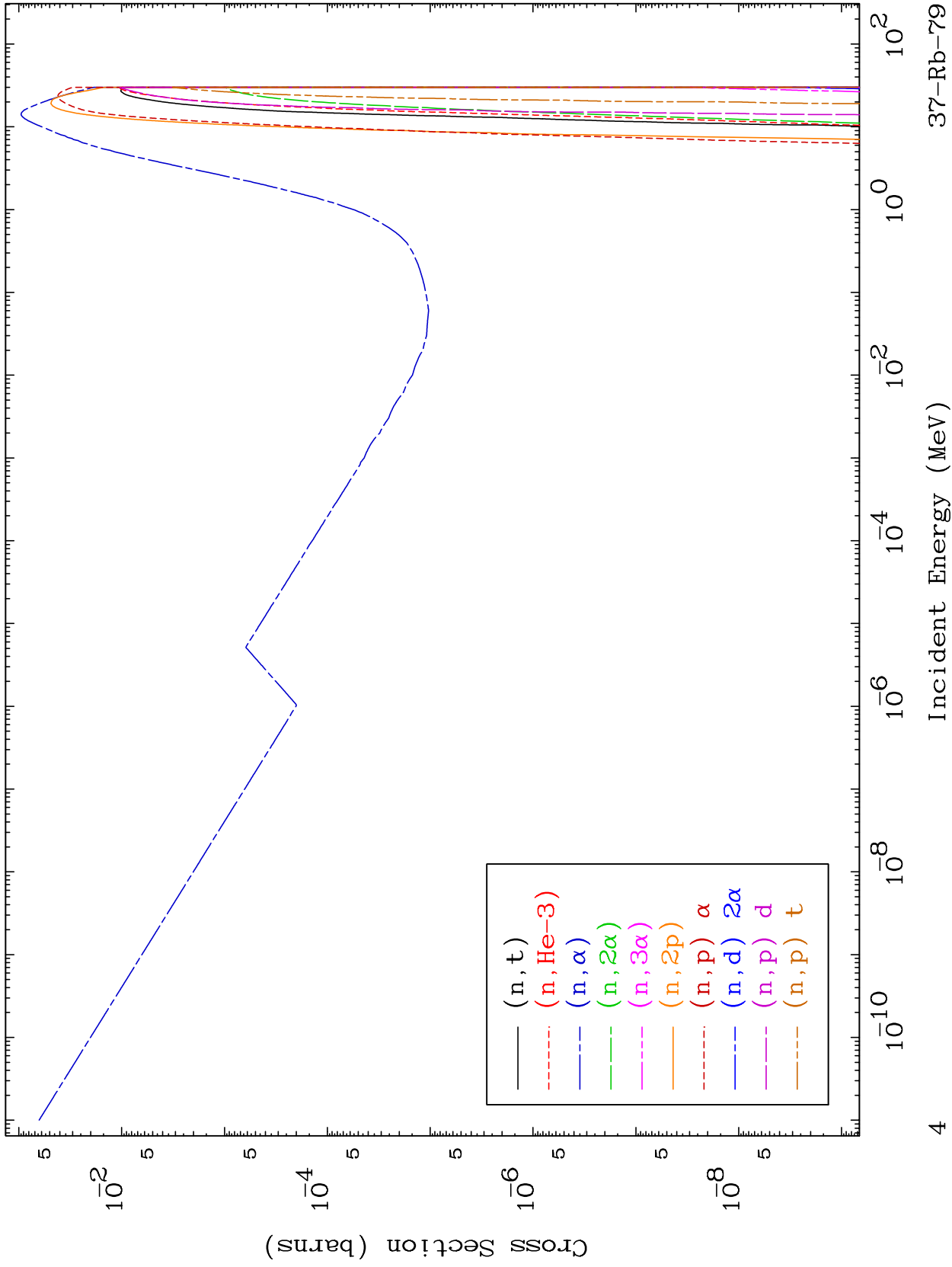
37-Rb-79



MAT 3707

Charged Particle
293 Kelvin Cross Sections

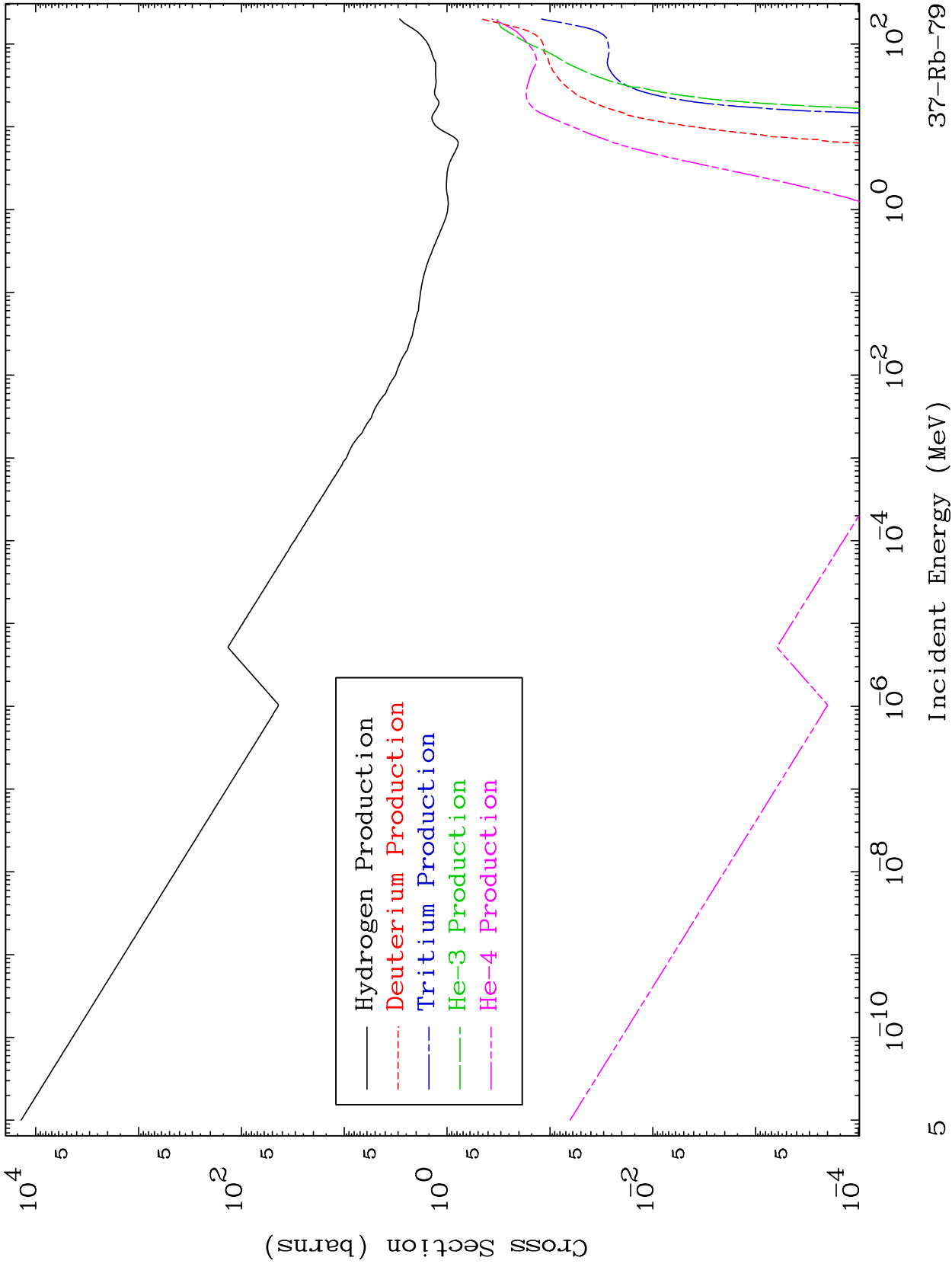
37-Rb-79



MAT 3707

Particle Production
293 Kelvin Cross Sections

37-Rb-79



5

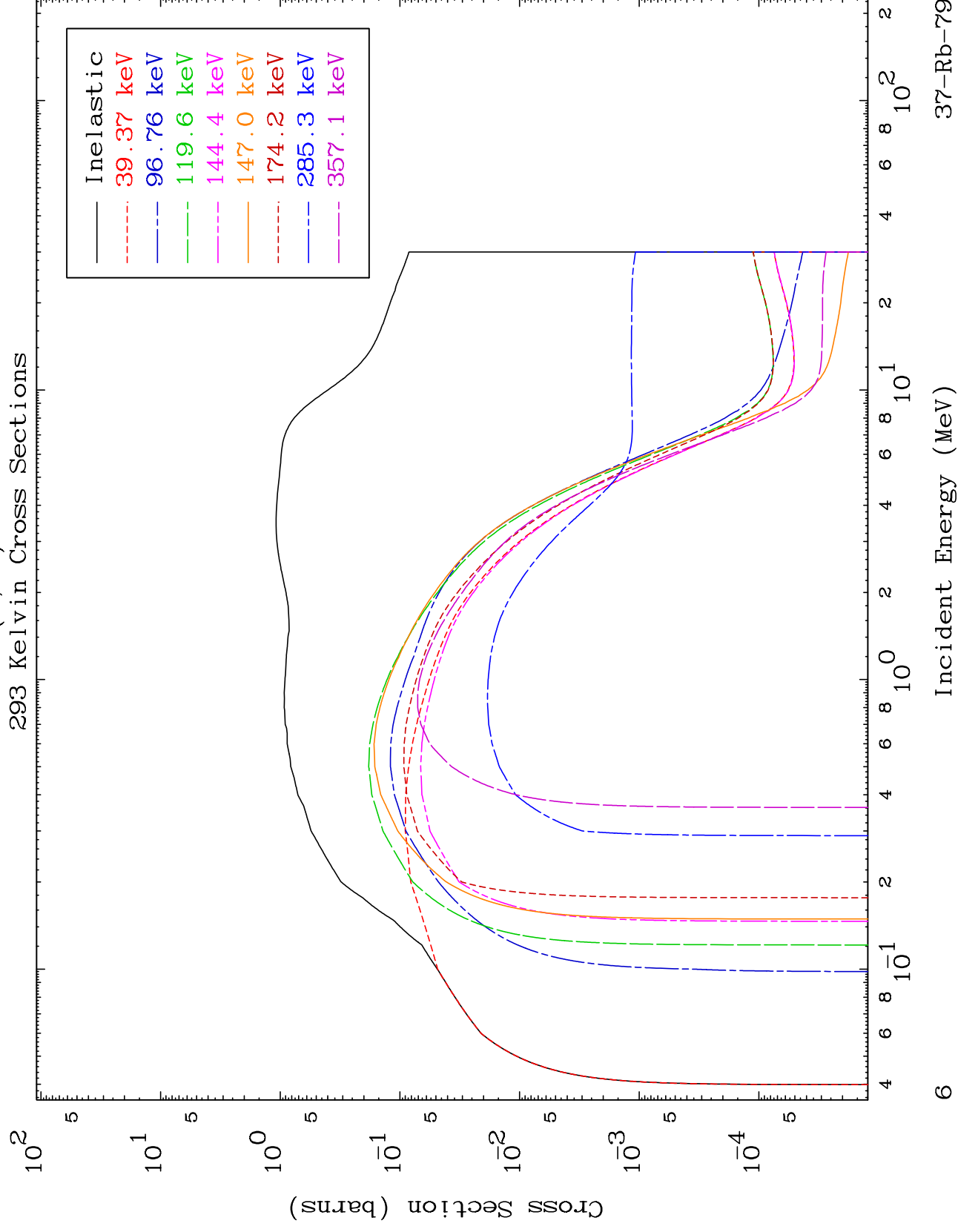
37-Rb-79

MAT 3707

(n,n') Level

293 Kelvin Cross Sections

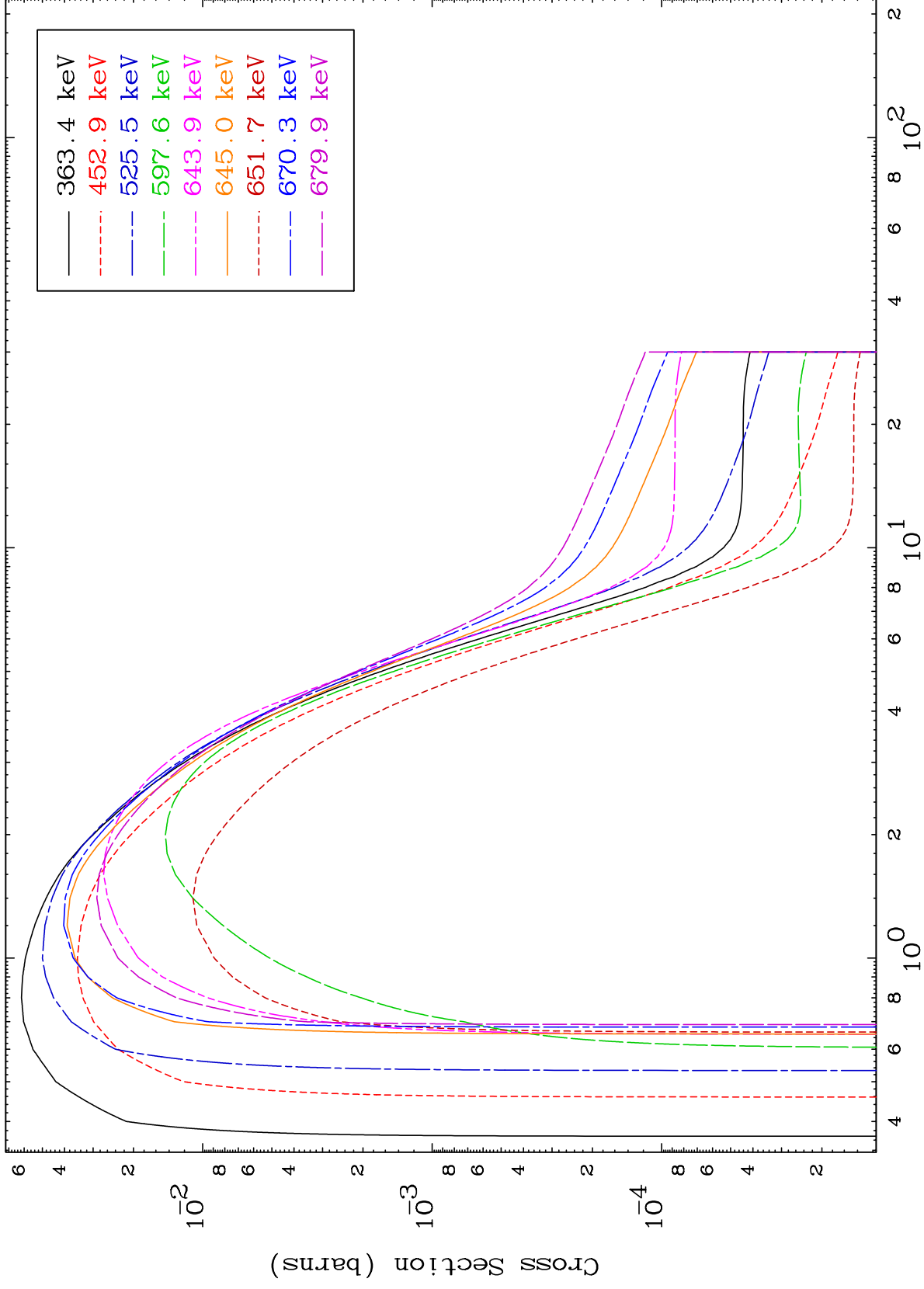
37-Rb-79



MAT 3707

(n,n') Level
293 Kelvin Cross Sections

37-Rb-79



7

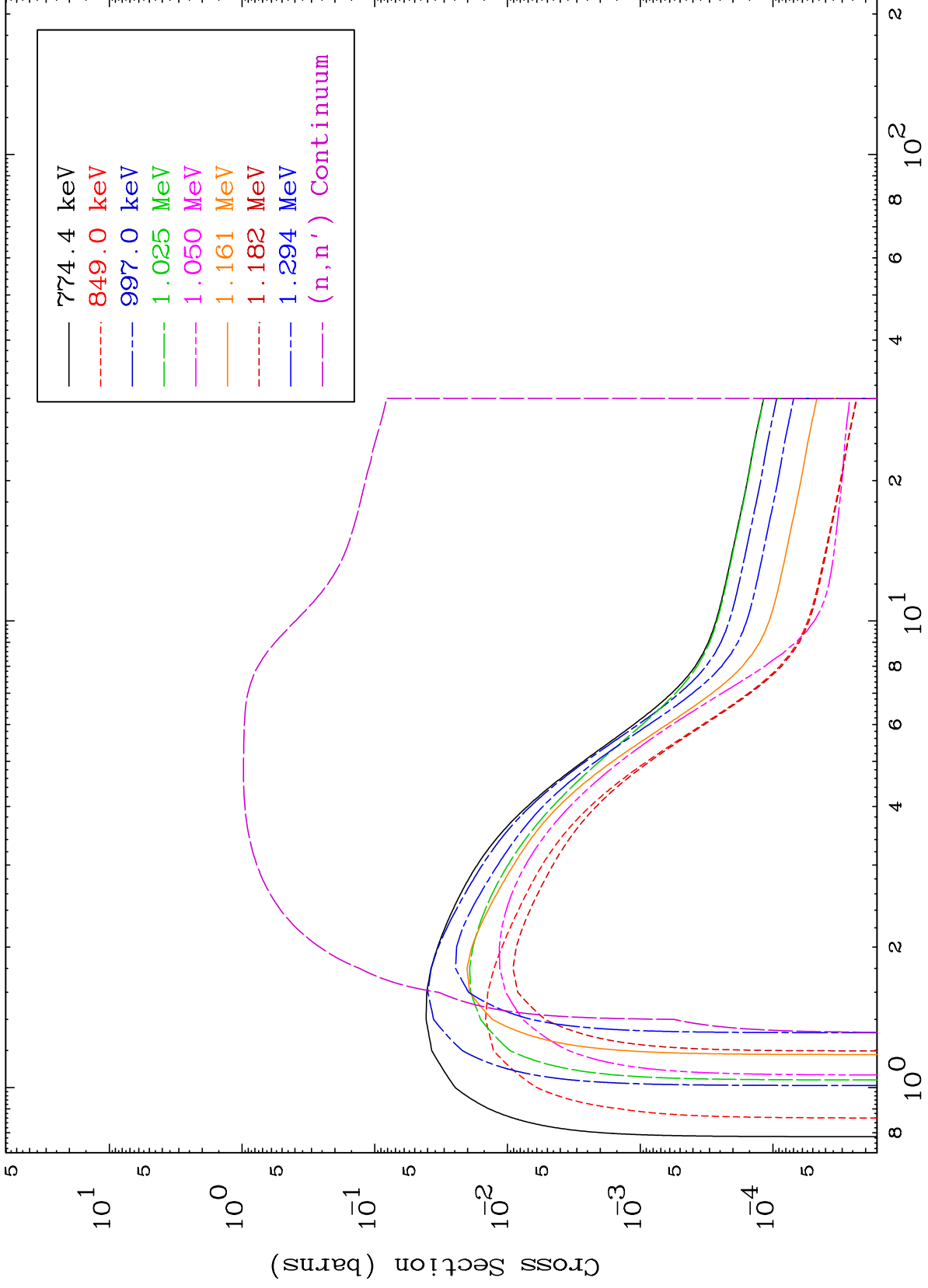
Incident Energy (MeV)

37-Rb-79

MAT 3707

(n,n') Level
293 Kelvin Cross Sections

37-Rb-79



8

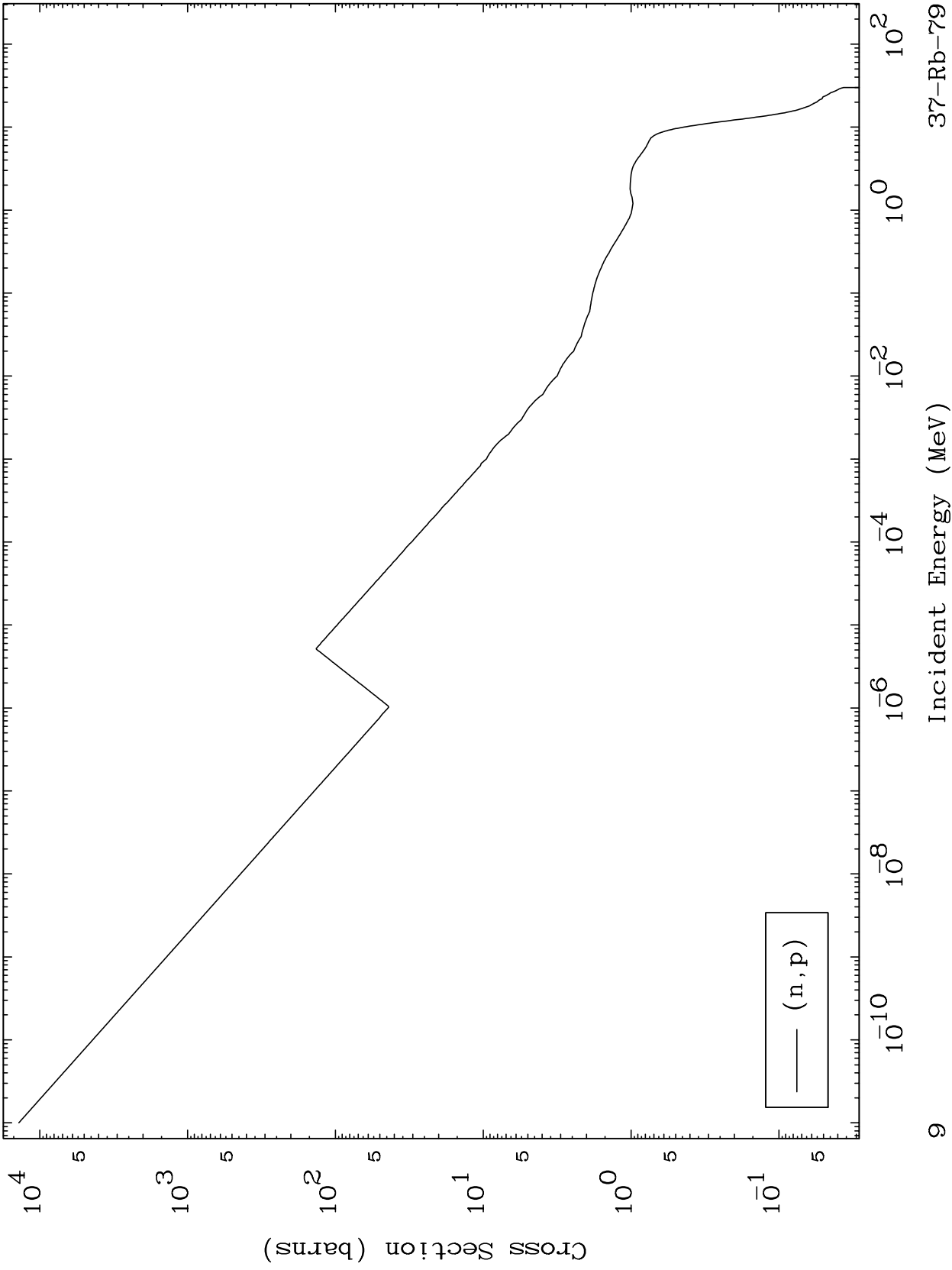
Incident Energy (MeV)

37-Rb-79

MAT 3707

(n,p) Levels
293 Kelvin Cross Sections

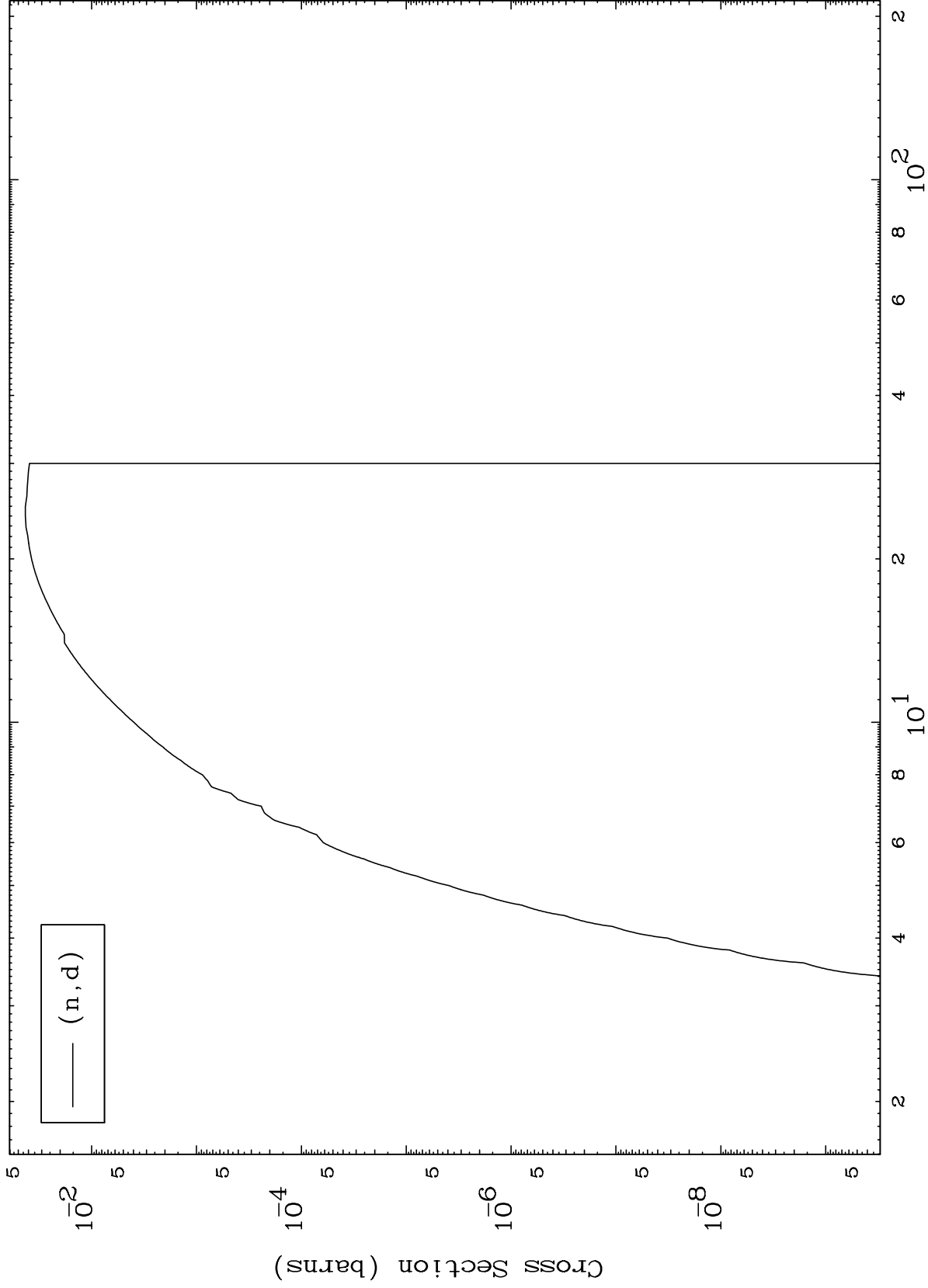
37-Rb-79



MAT 3707

(n,d) Levels
293 Kelvin Cross Sections

37-Rb-79



10

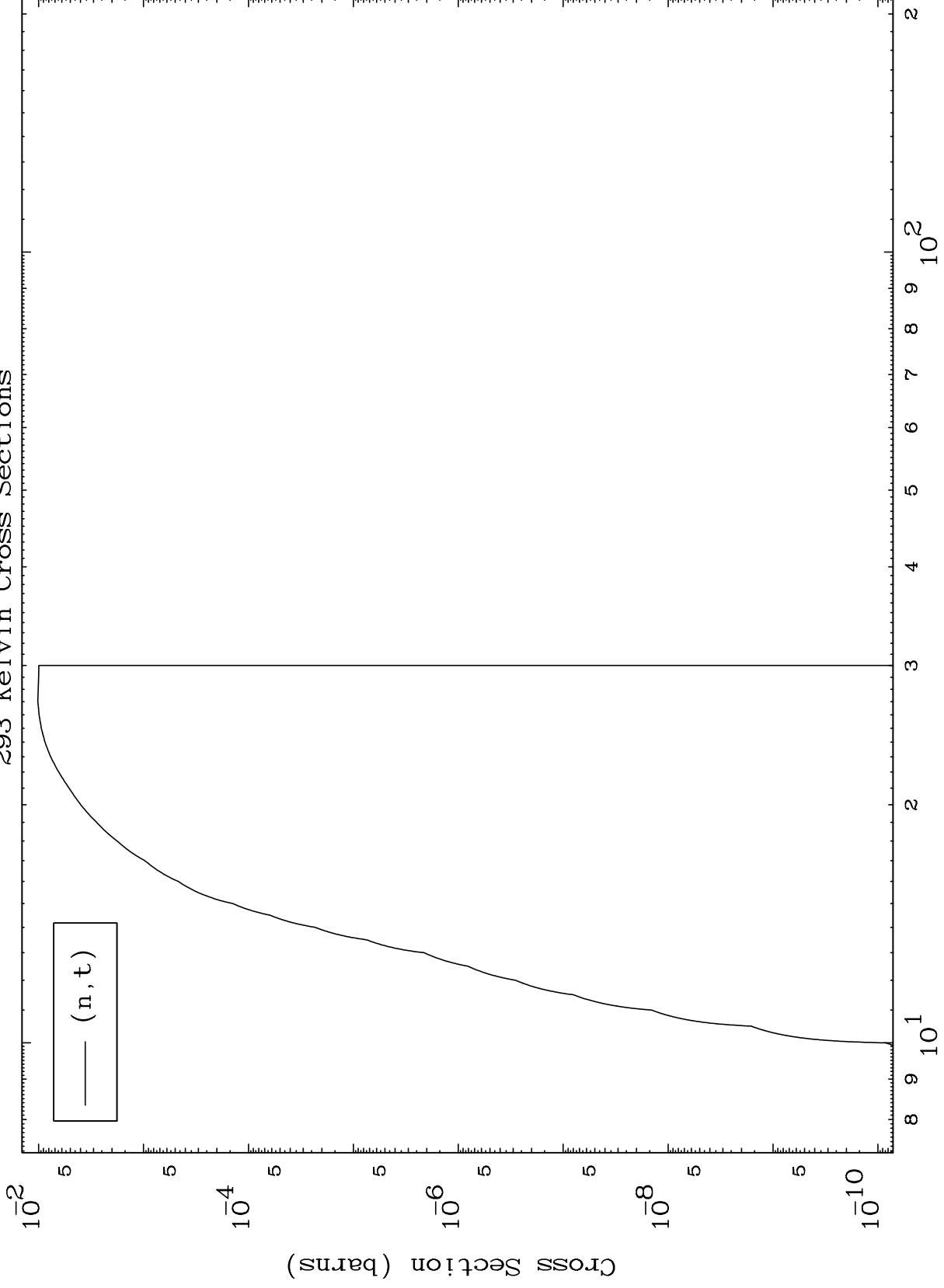
Incident Energy (MeV)

37-Rb-79

MAT 3707

(n,t) Levels
293 Kelvin Cross Sections

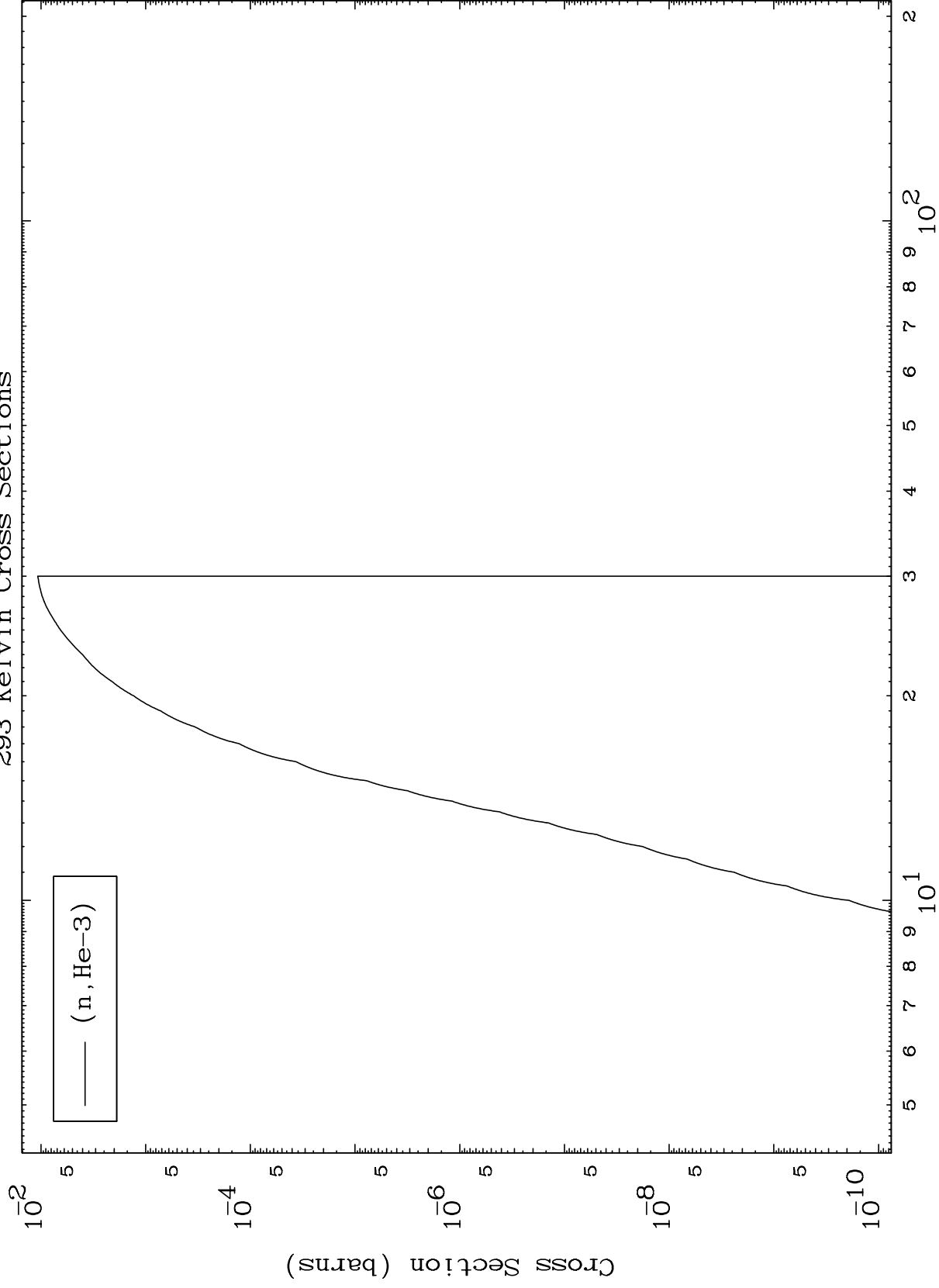
37-Rb-79



MAT 3707

(n,He3) Levels
293 Kelvin Cross Sections

37-Rb-79



12

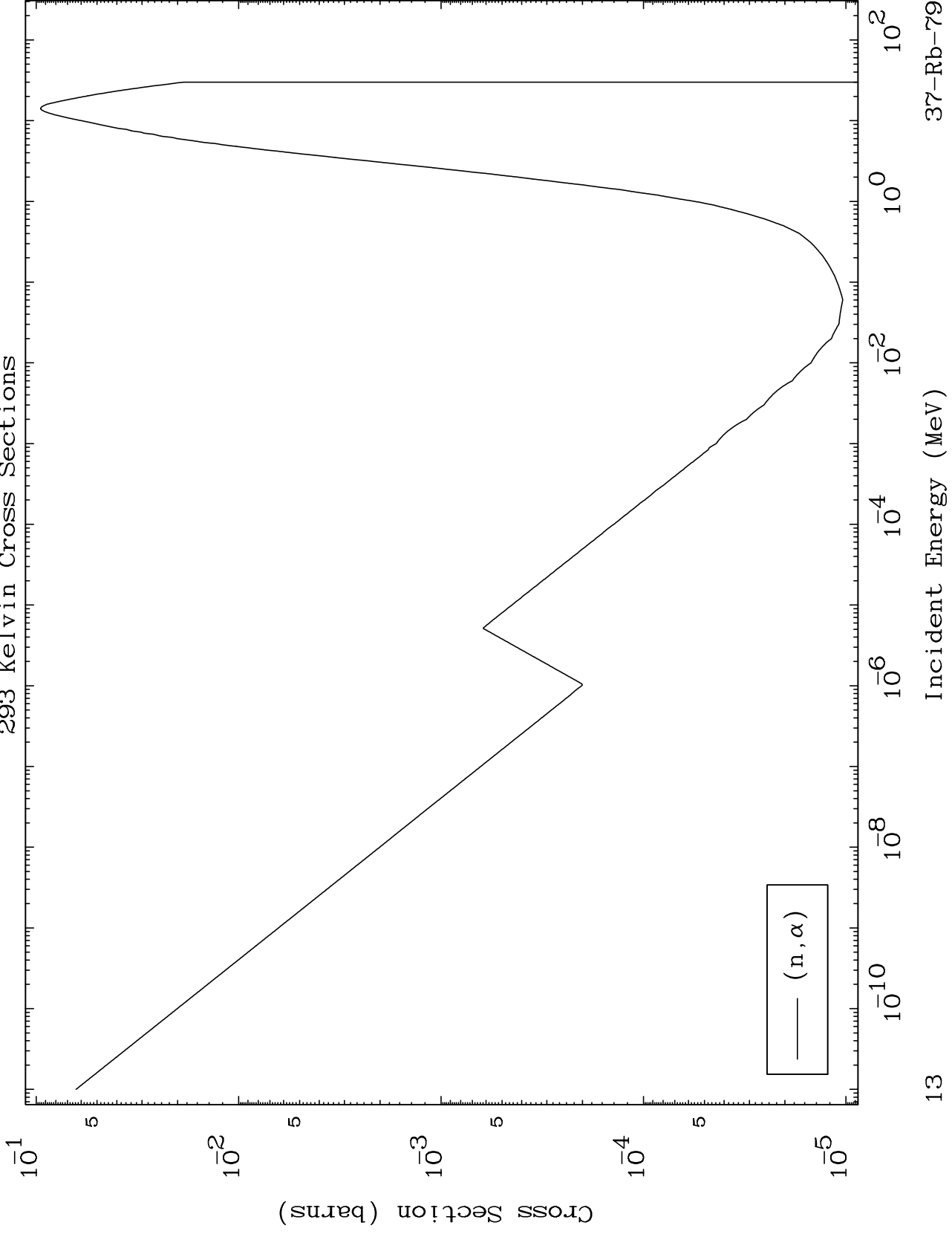
Incident Energy (MeV)

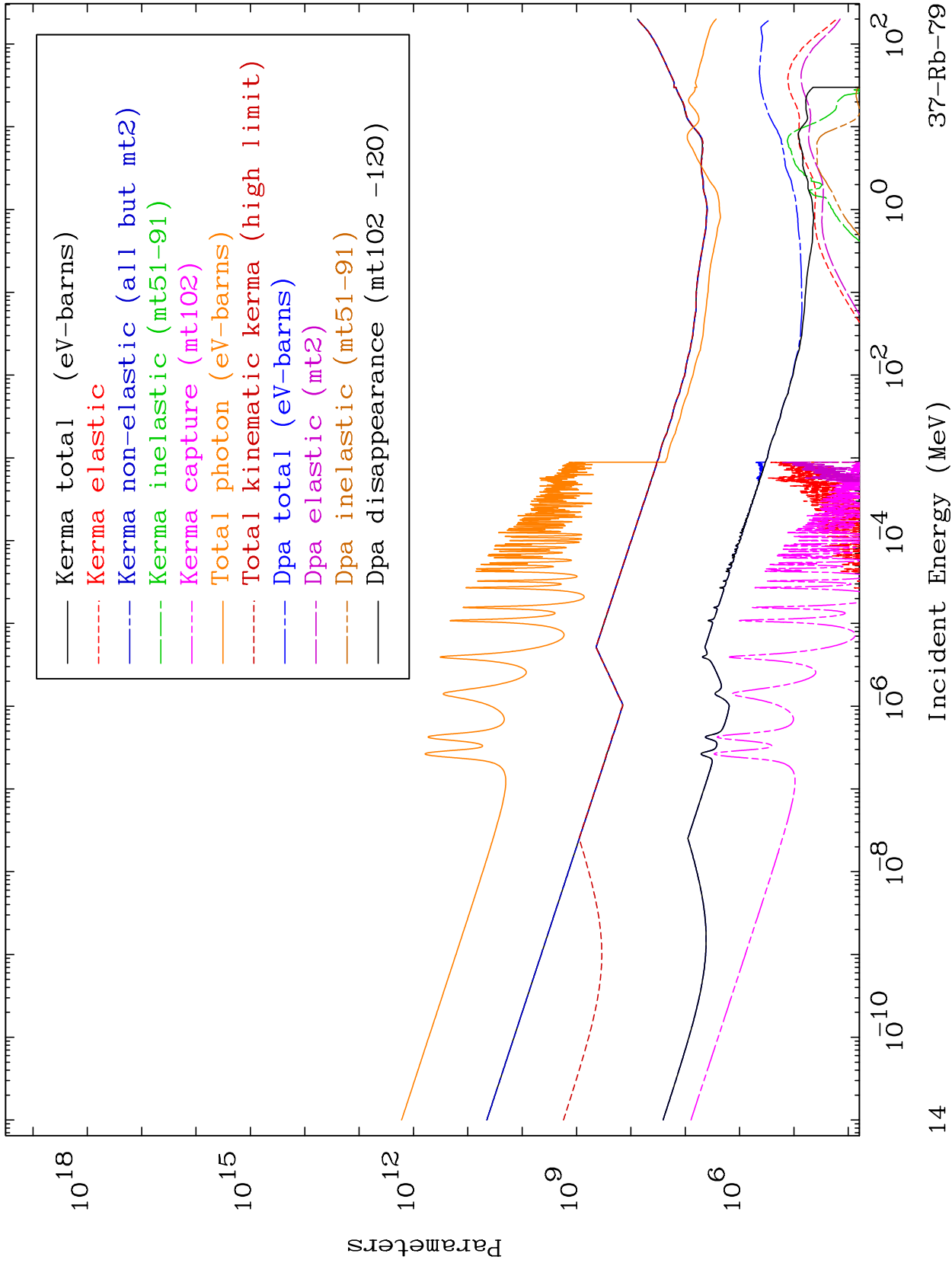
37-Rb-79

MAT 3707

(n,α) Levels
293 Kelvin Cross Sections

37-Rb-79

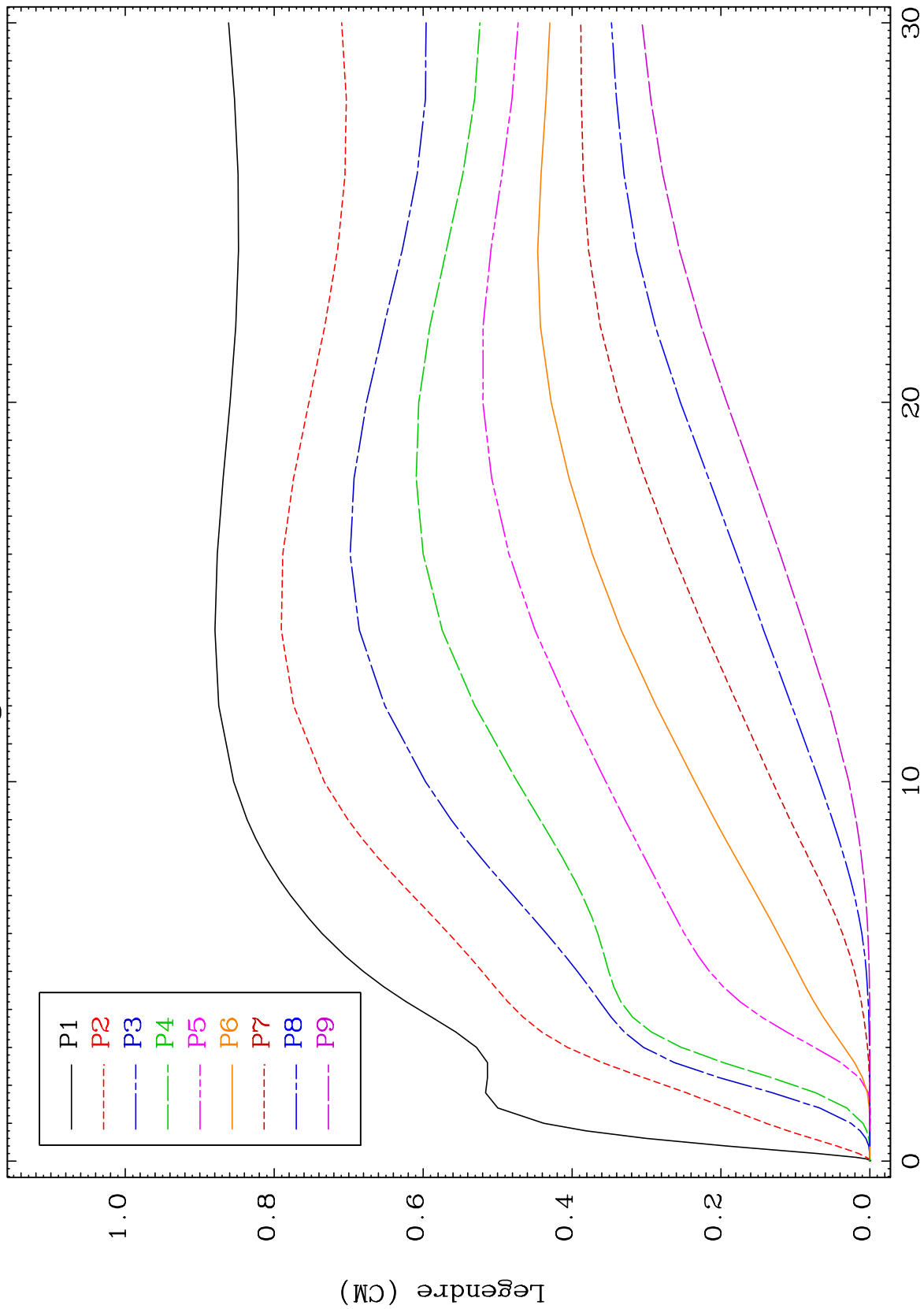




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Elastic Legendre Coefficients

37-Rb-79



15

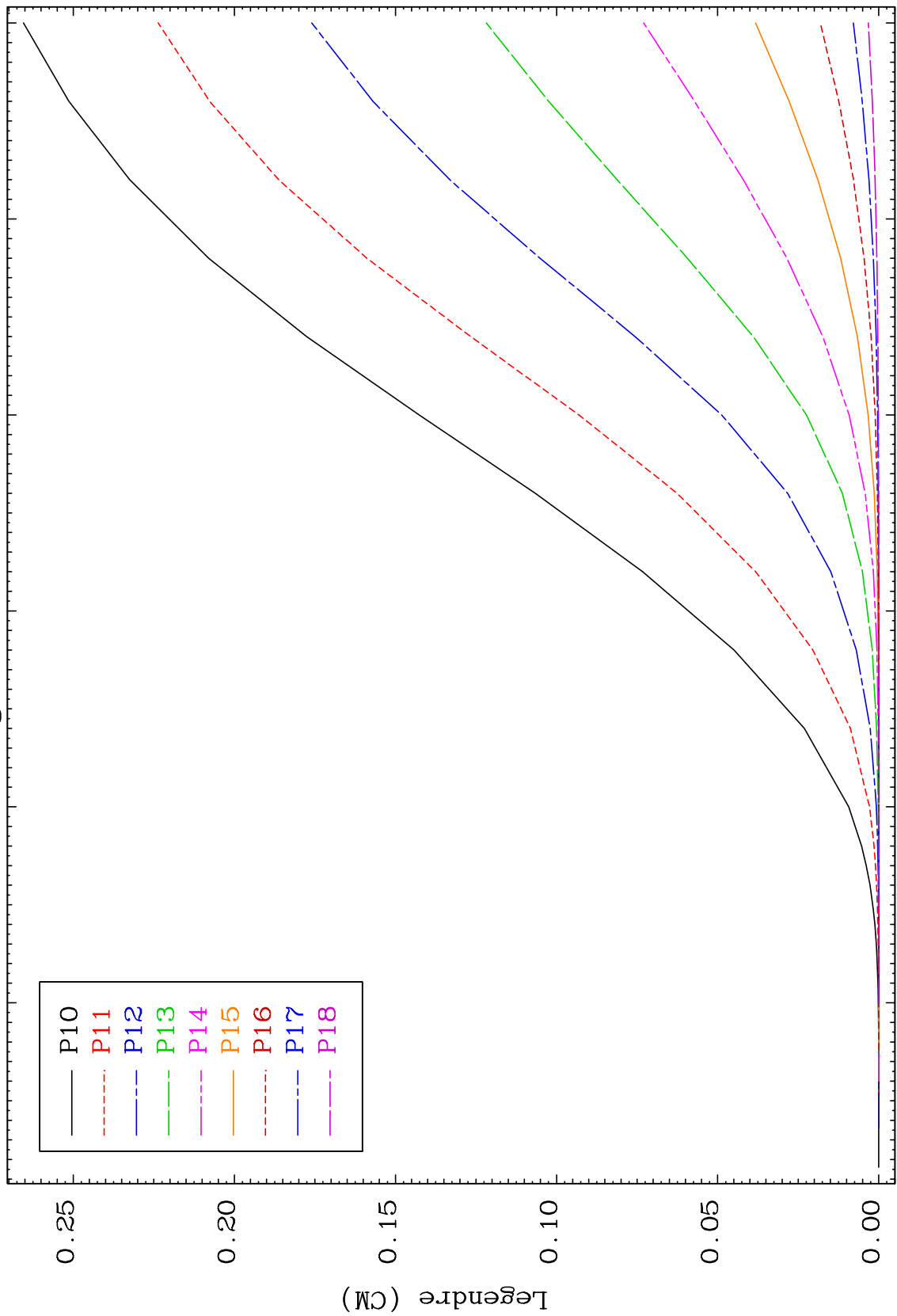
Incident Energy (MeV)

37-Rb-79

MAT 3707

Elastic Legendre Coefficients

³⁷Rb-79



16

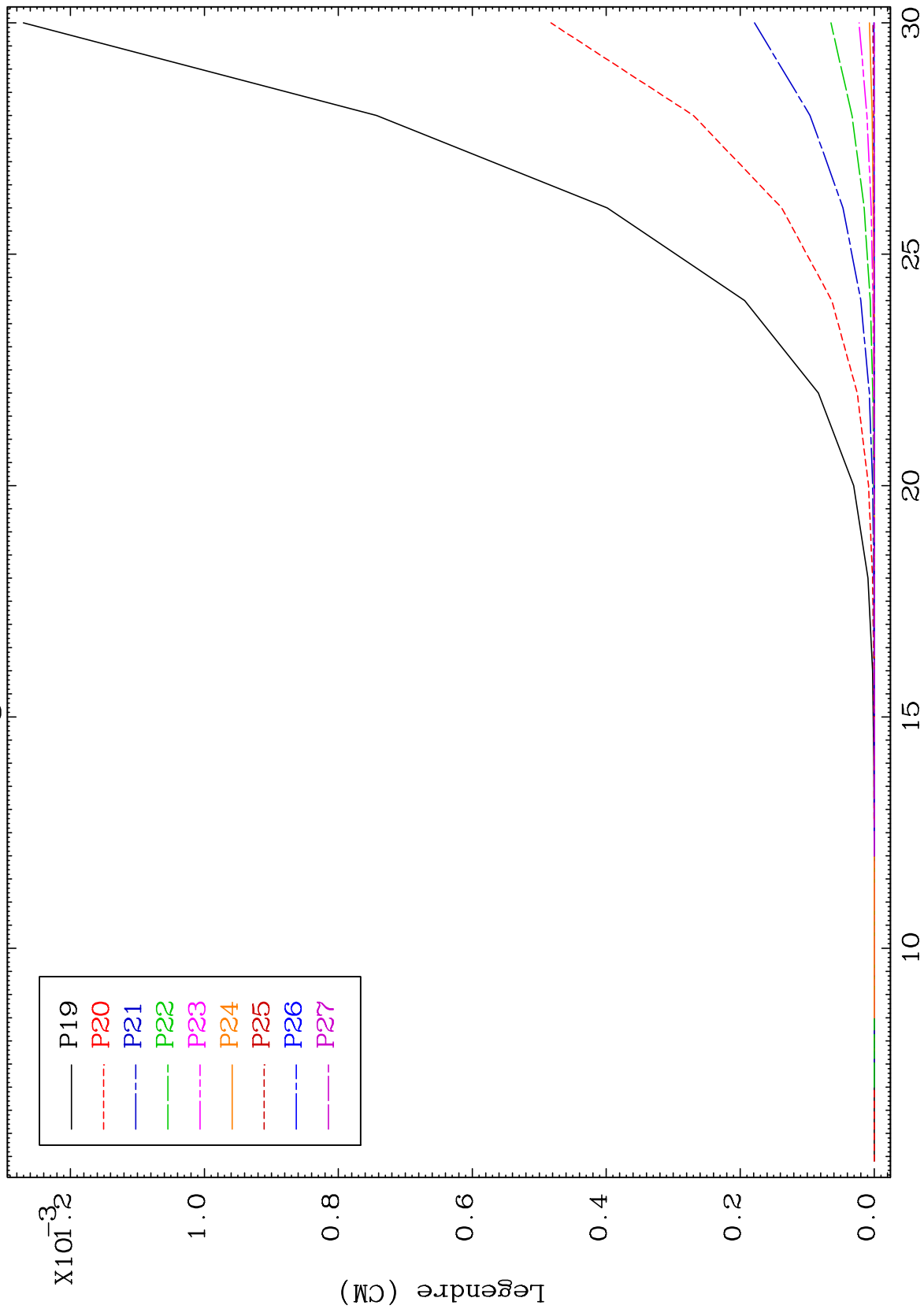
Incident Energy (MeV)

³⁷Rb-79

MAT 3707

Elastic Legendre Coefficients

37-Rb-79



17

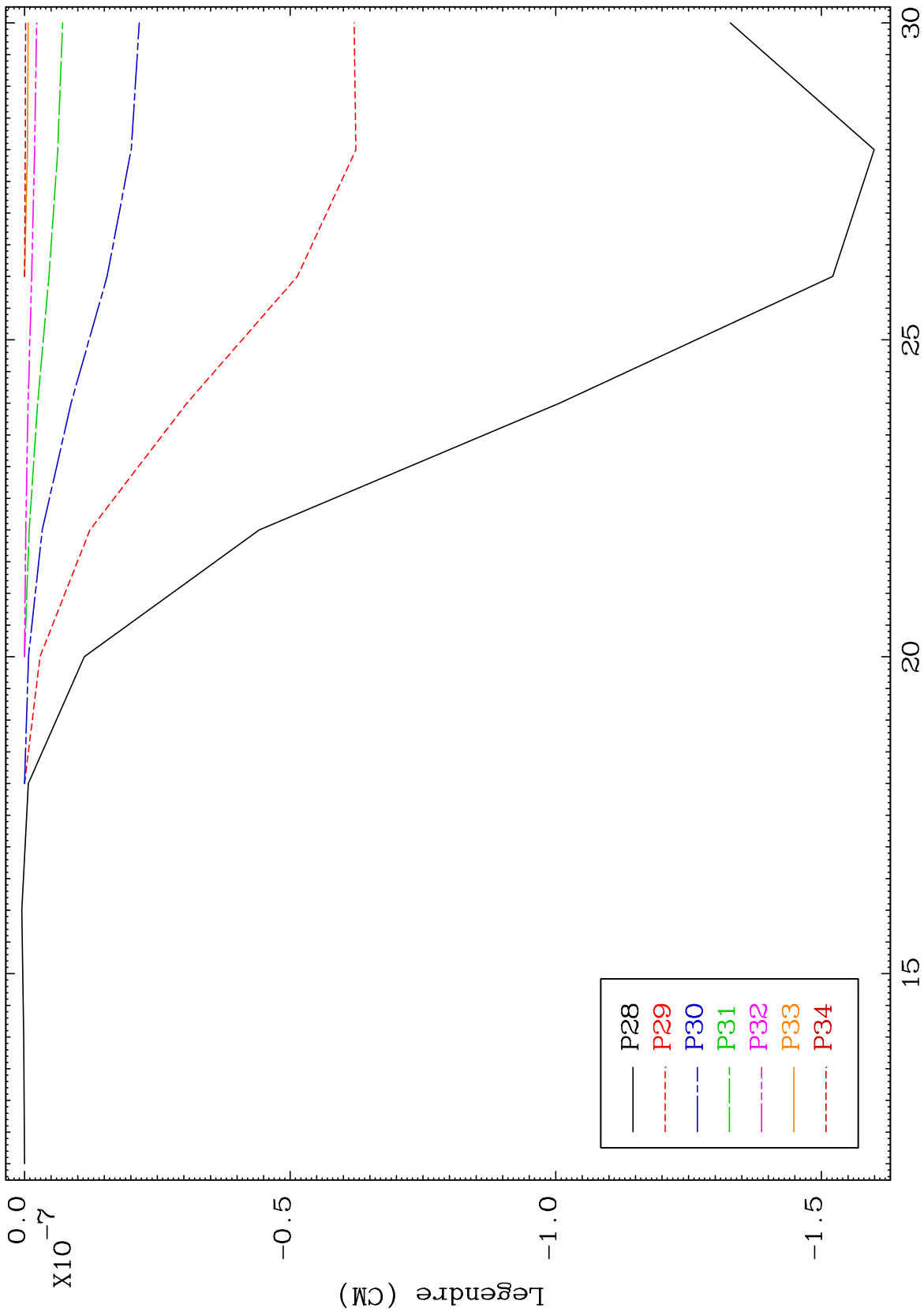
Incident Energy (MeV)

37-Rb-79

MAT 3707

37-Rb-79

Elastic Legendre Coefficients



18

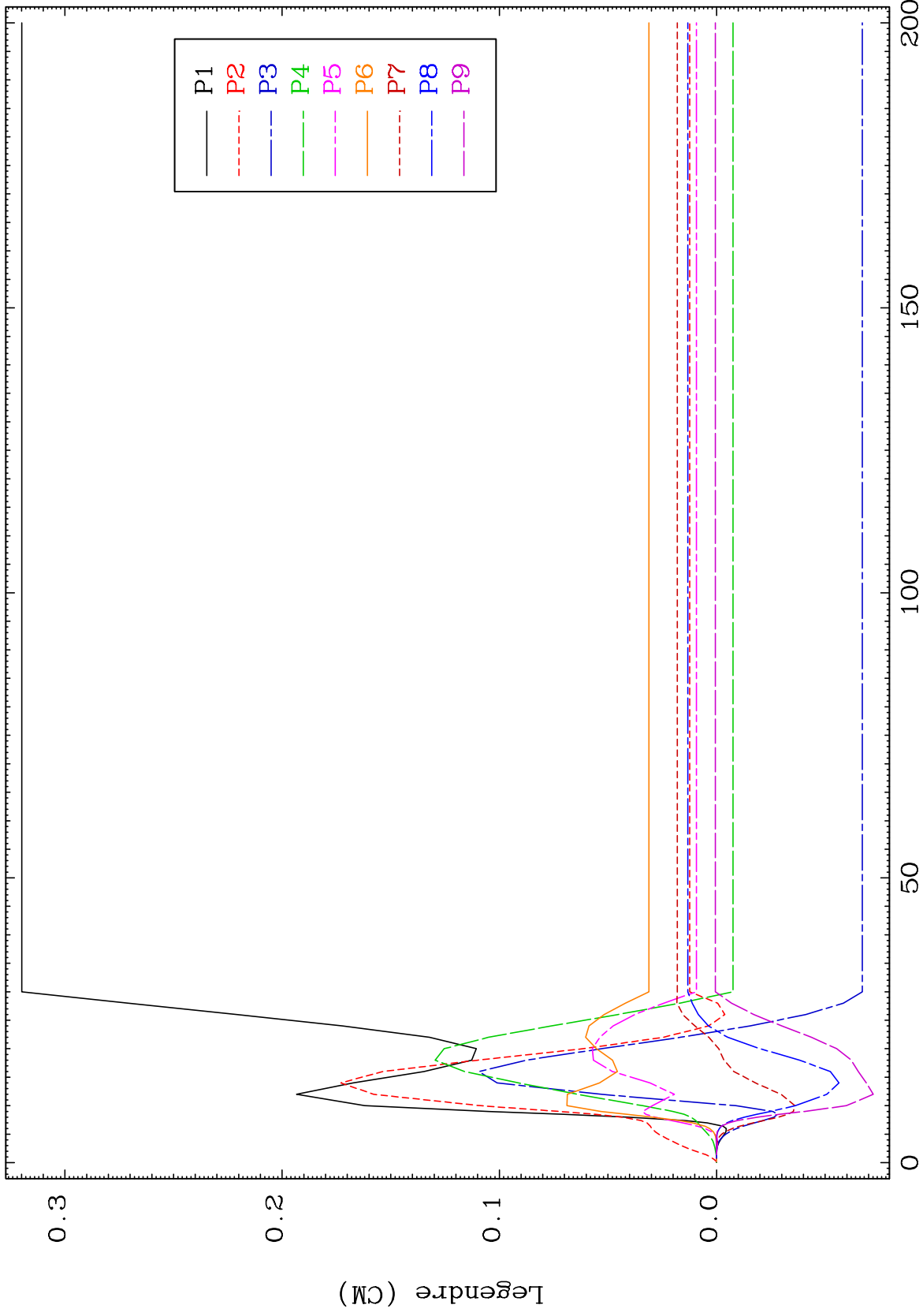
Incident Energy (MeV)

37-Rb-79

MAT 3707

39.37 keV (n,n') Level
Legendre Coefficients

37-Rb-79



19

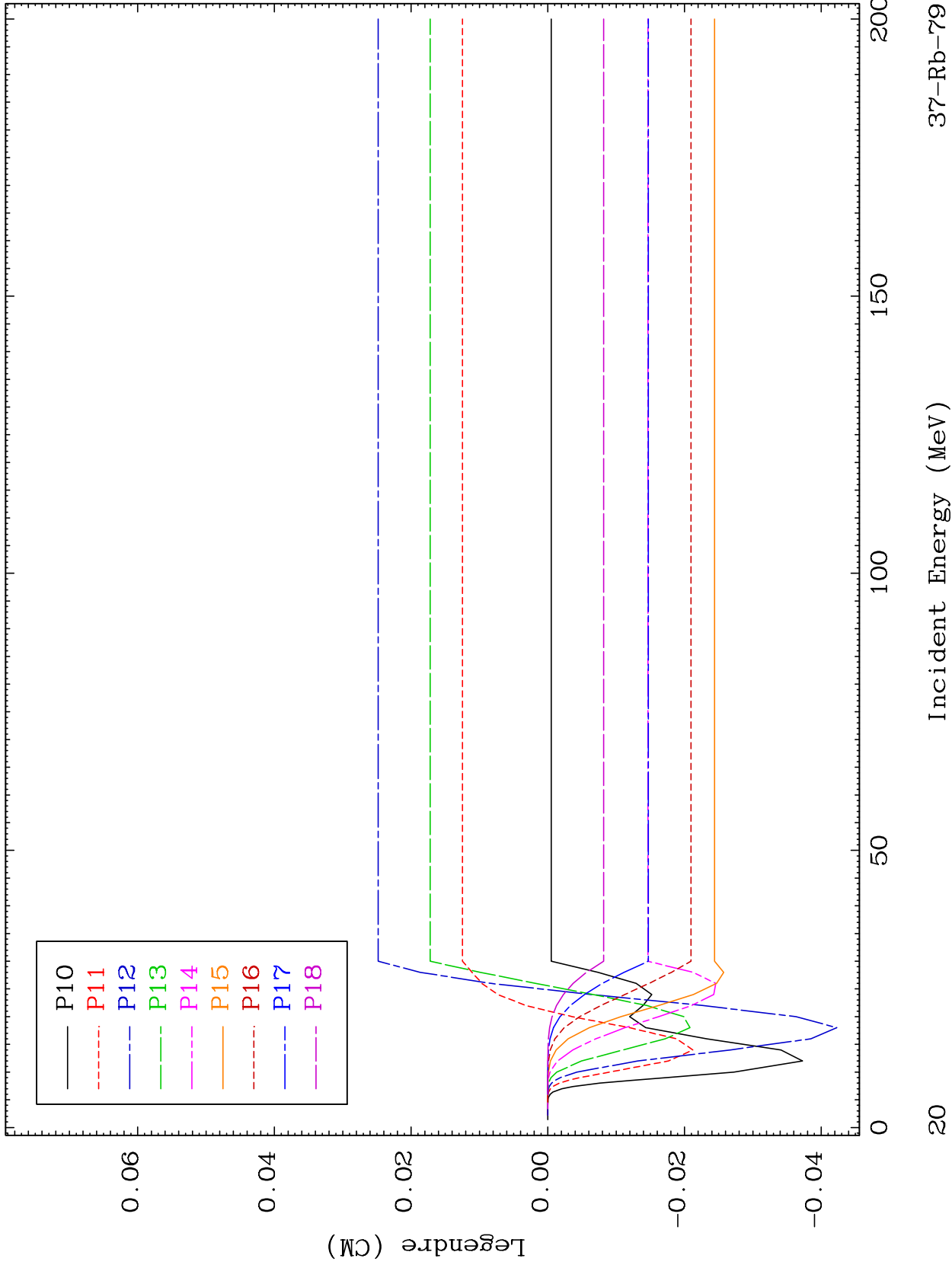
Incident Energy (MeV)

37-Rb-79

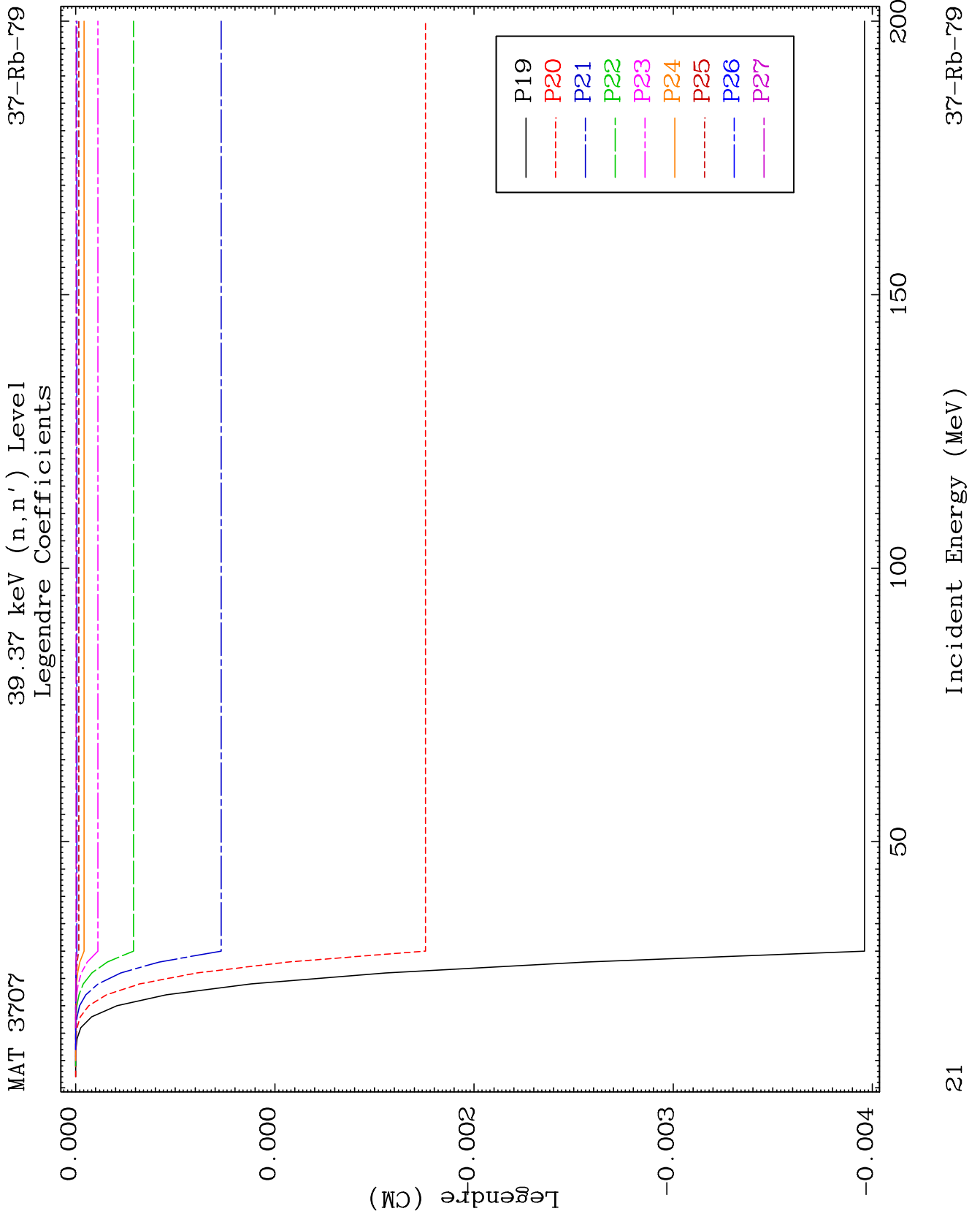
MAT 3707

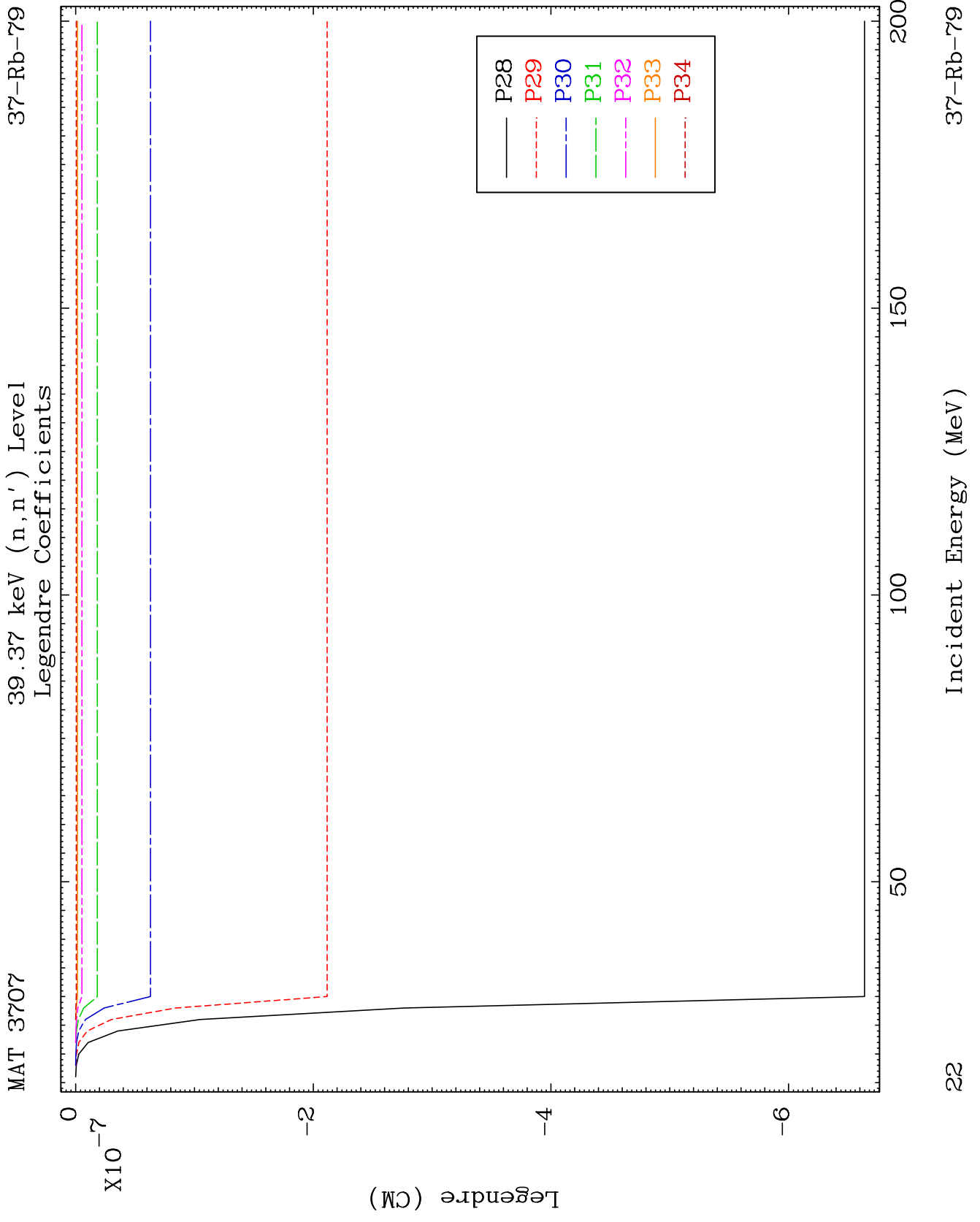
39.37 keV (n,n') Level
Legendre Coefficients

37-Rb-79



37-Rb-79

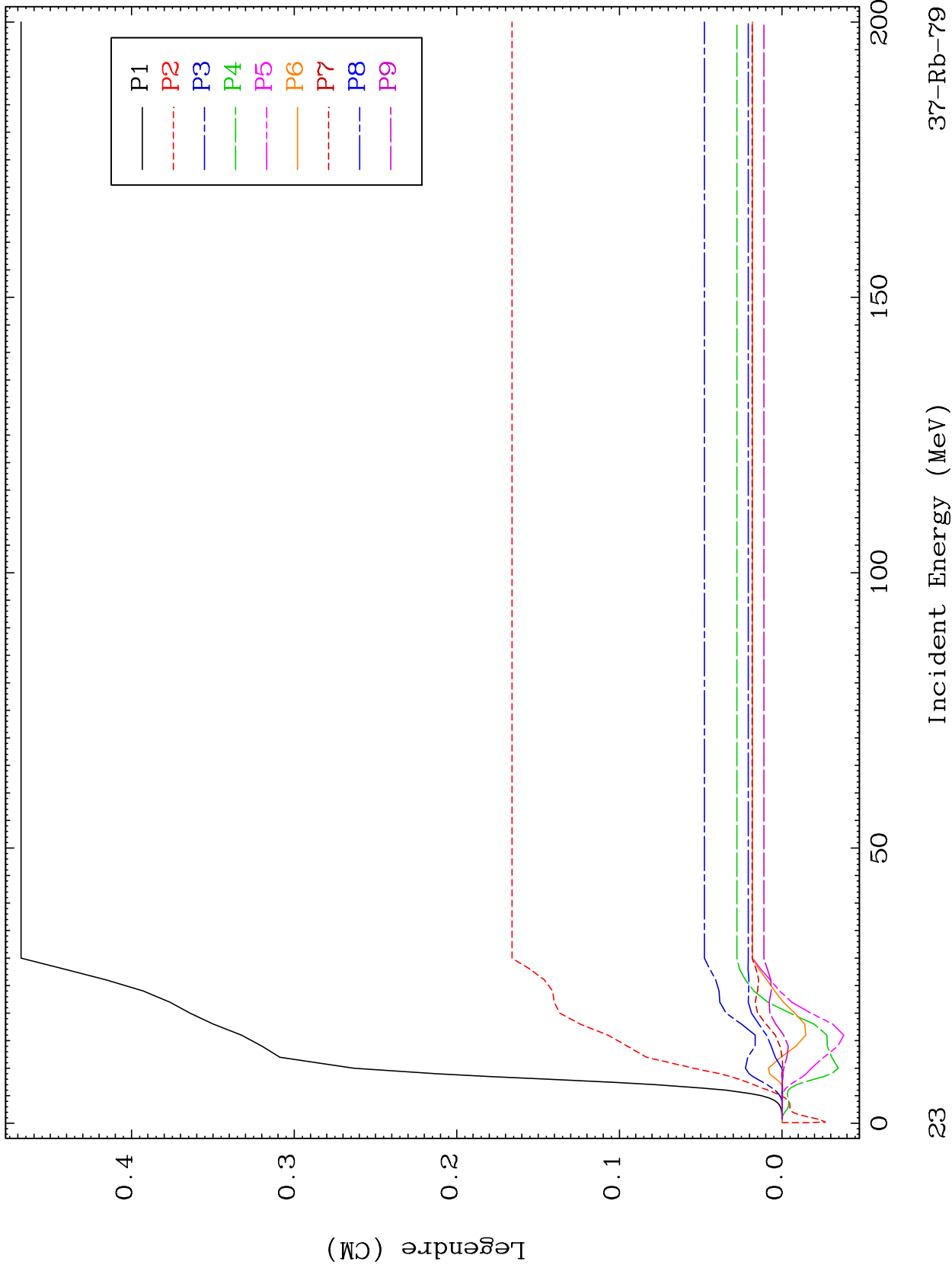




MAT 3707

96.76 keV (n,n') Level
Legendre Coefficients

37-Rb-79



37-Rb-79

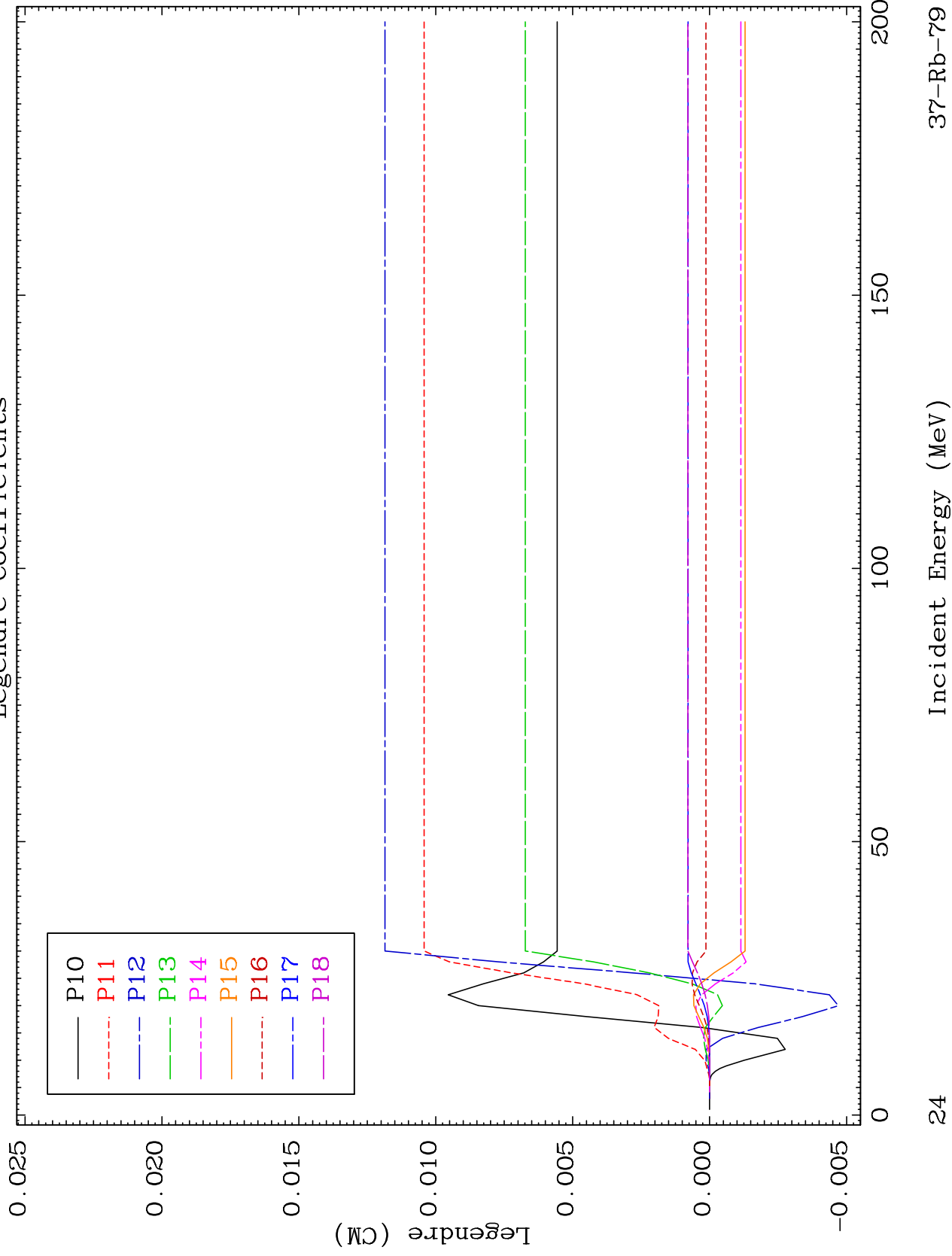
Incident Energy (MeV)

23

MAT 3707

96.76 keV (n,n') Level
Legendre Coefficients

37-Rb-79



24

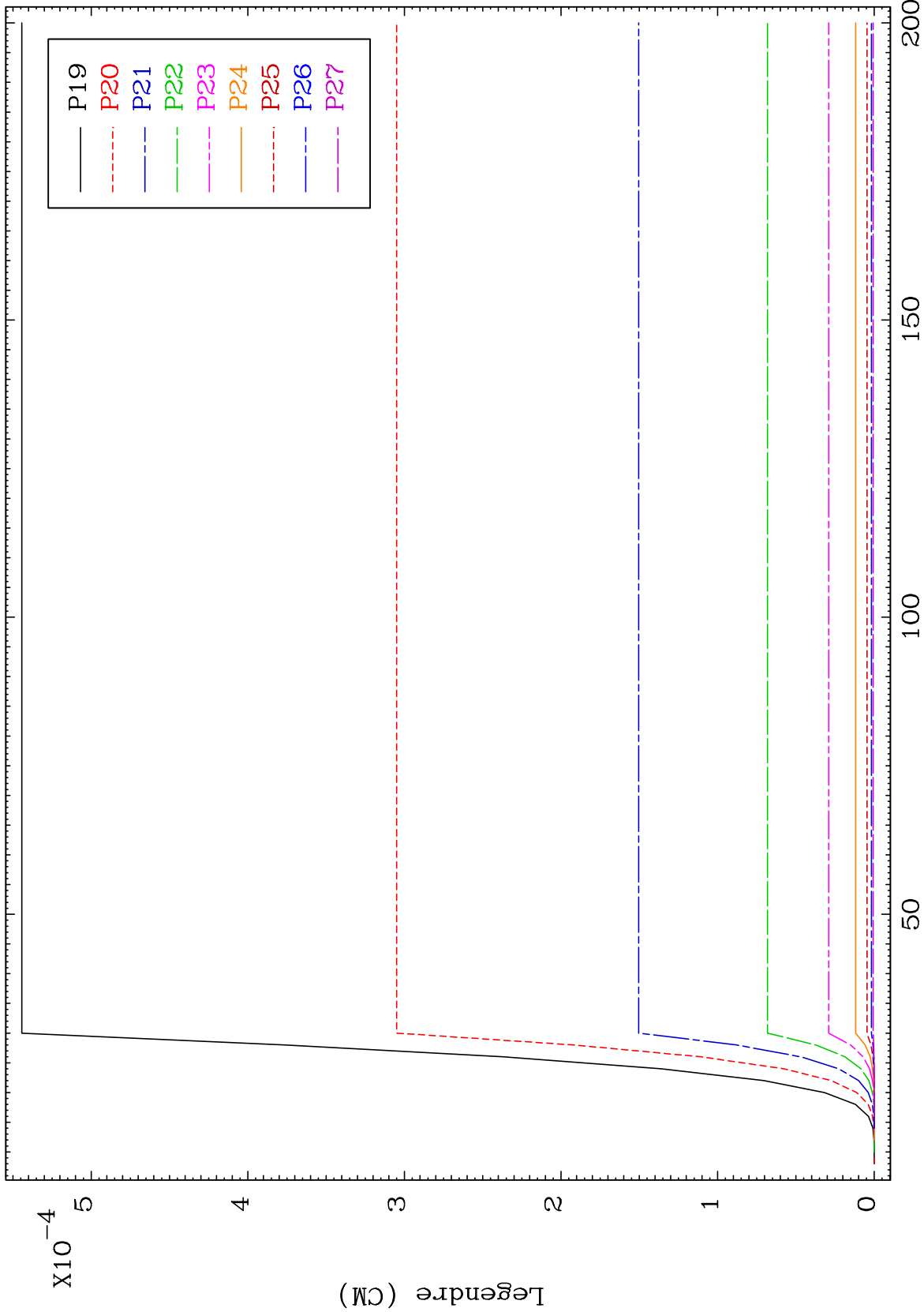
Incident Energy (MeV)

37-Rb-79

MAT 3707

96.76 keV (n,n') Level
Legendre Coefficients

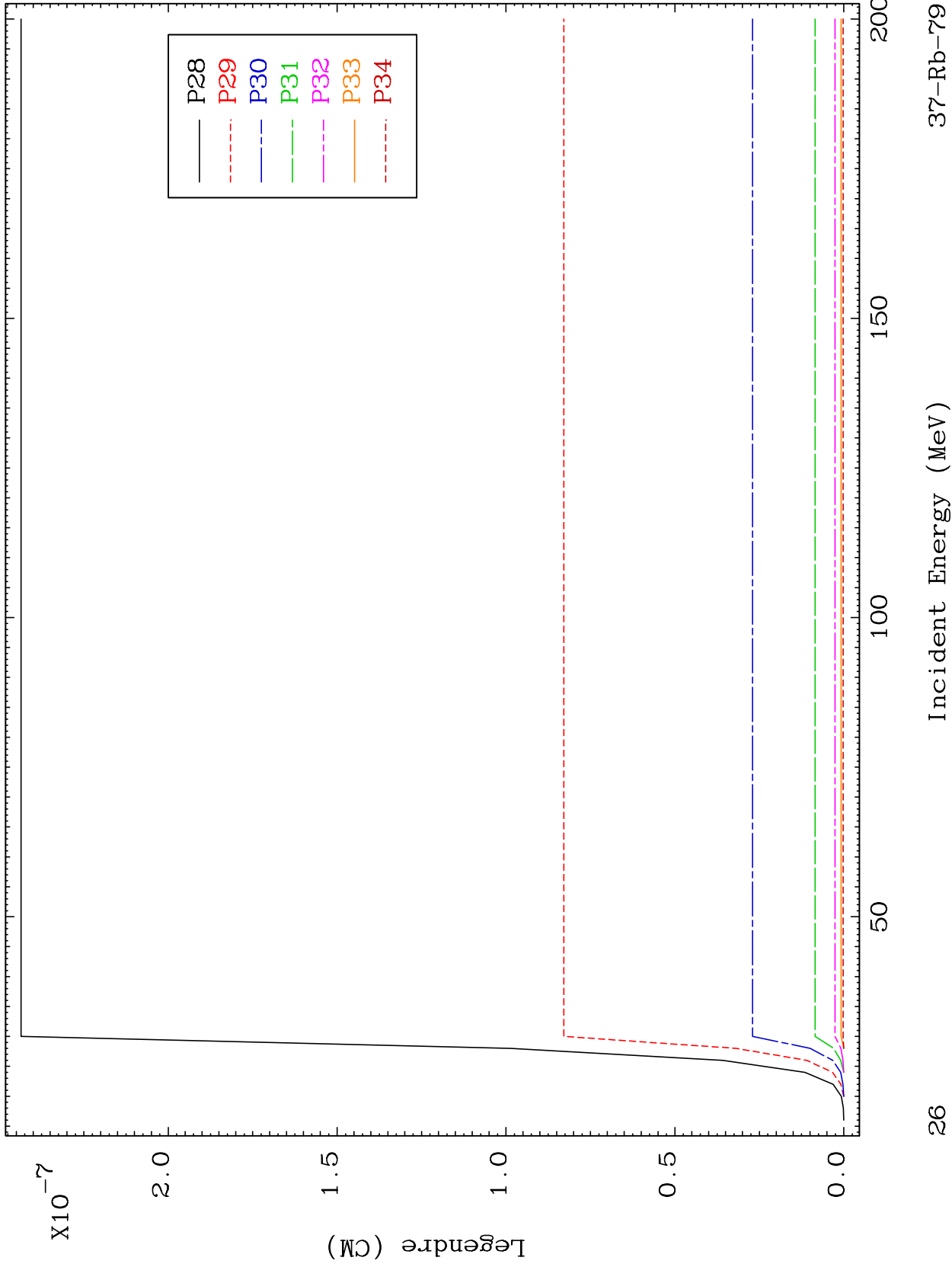
37-Rb-79



25

Incident Energy (MeV)

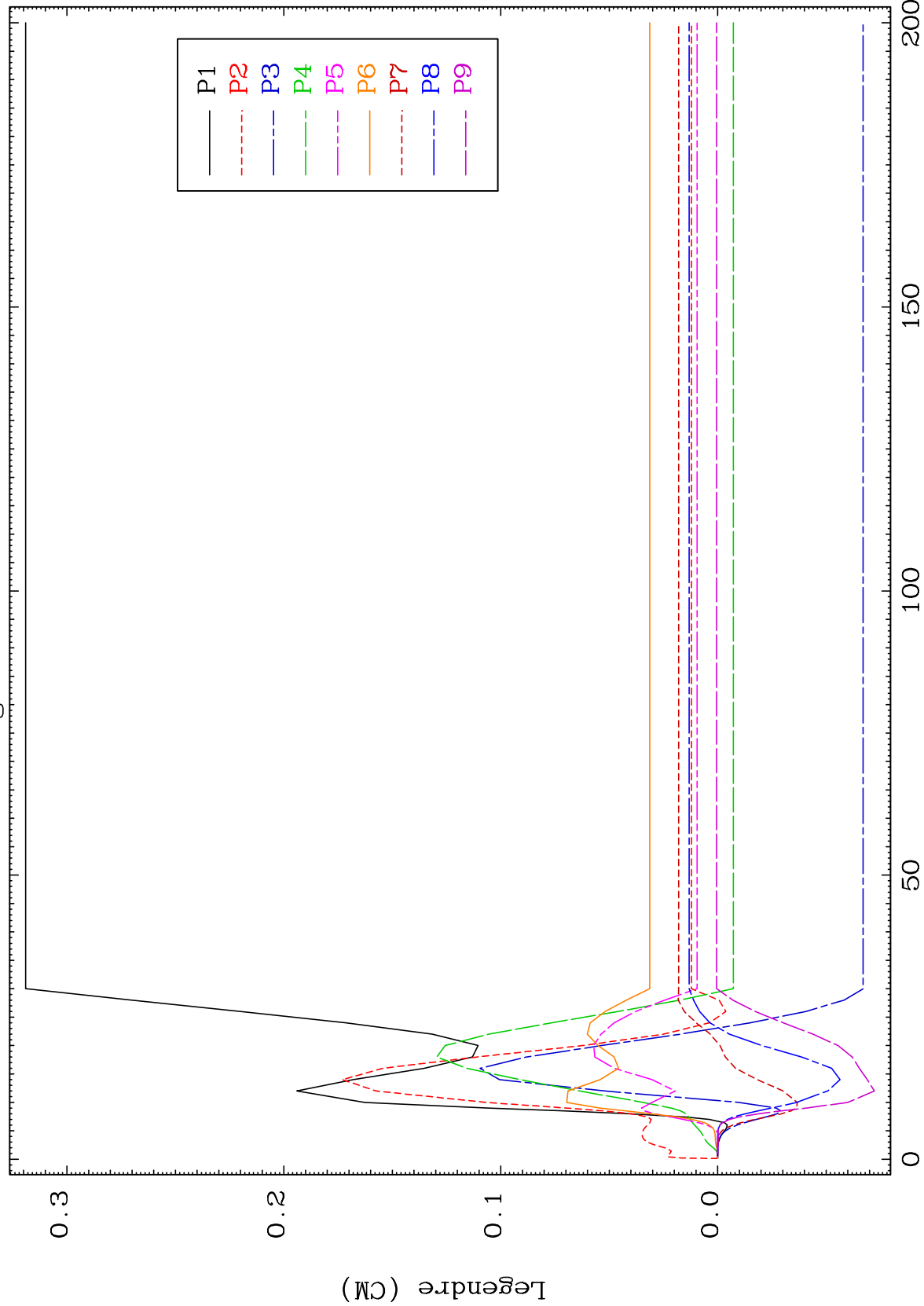
37-Rb-79



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119.6 keV (n,n') Level
Legendre Coefficients

37-Rb-79



27

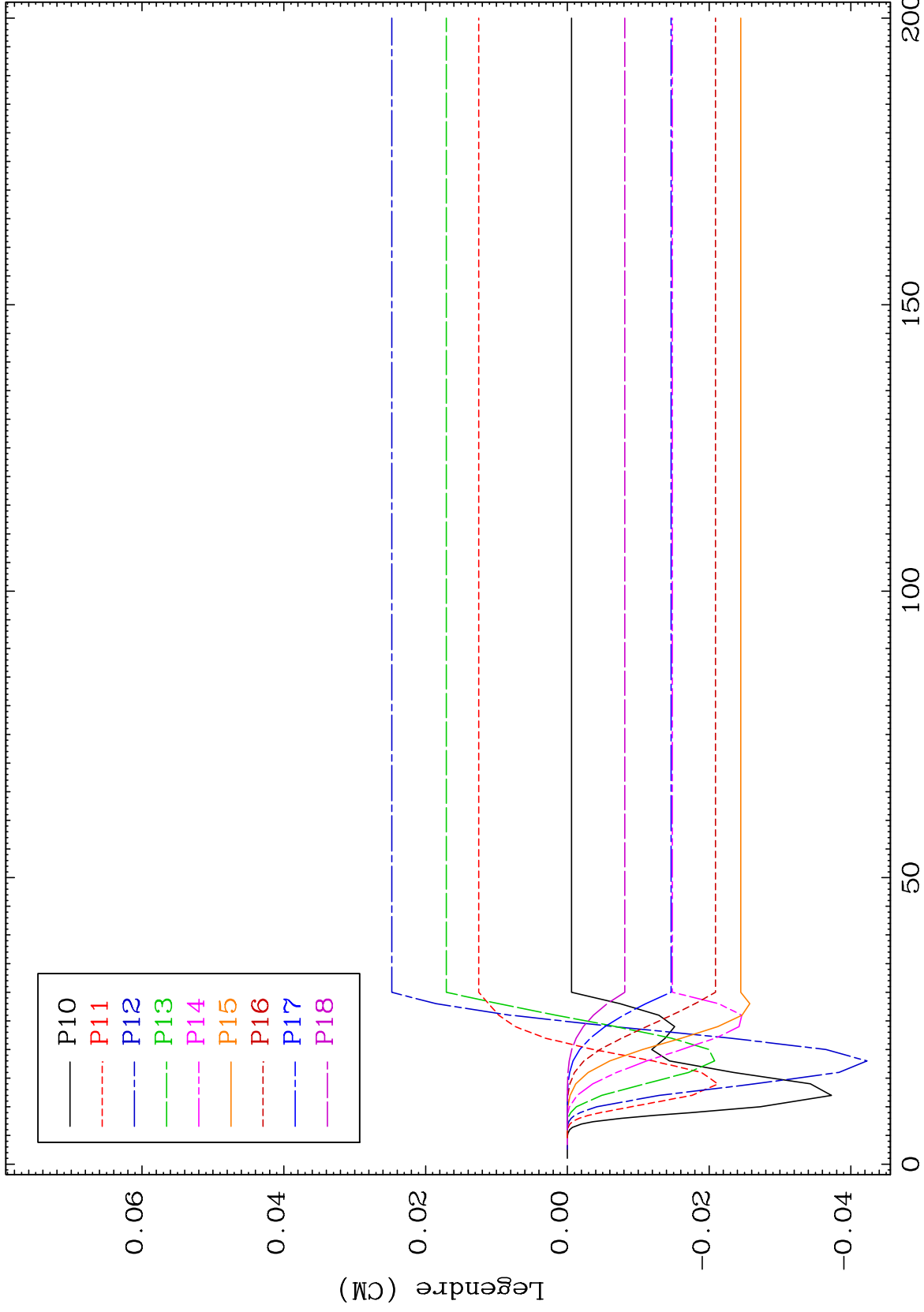
Incident Energy (MeV)

37-Rb-79

MAT 3707

119.6 keV (n,n') Level
Legendre Coefficients

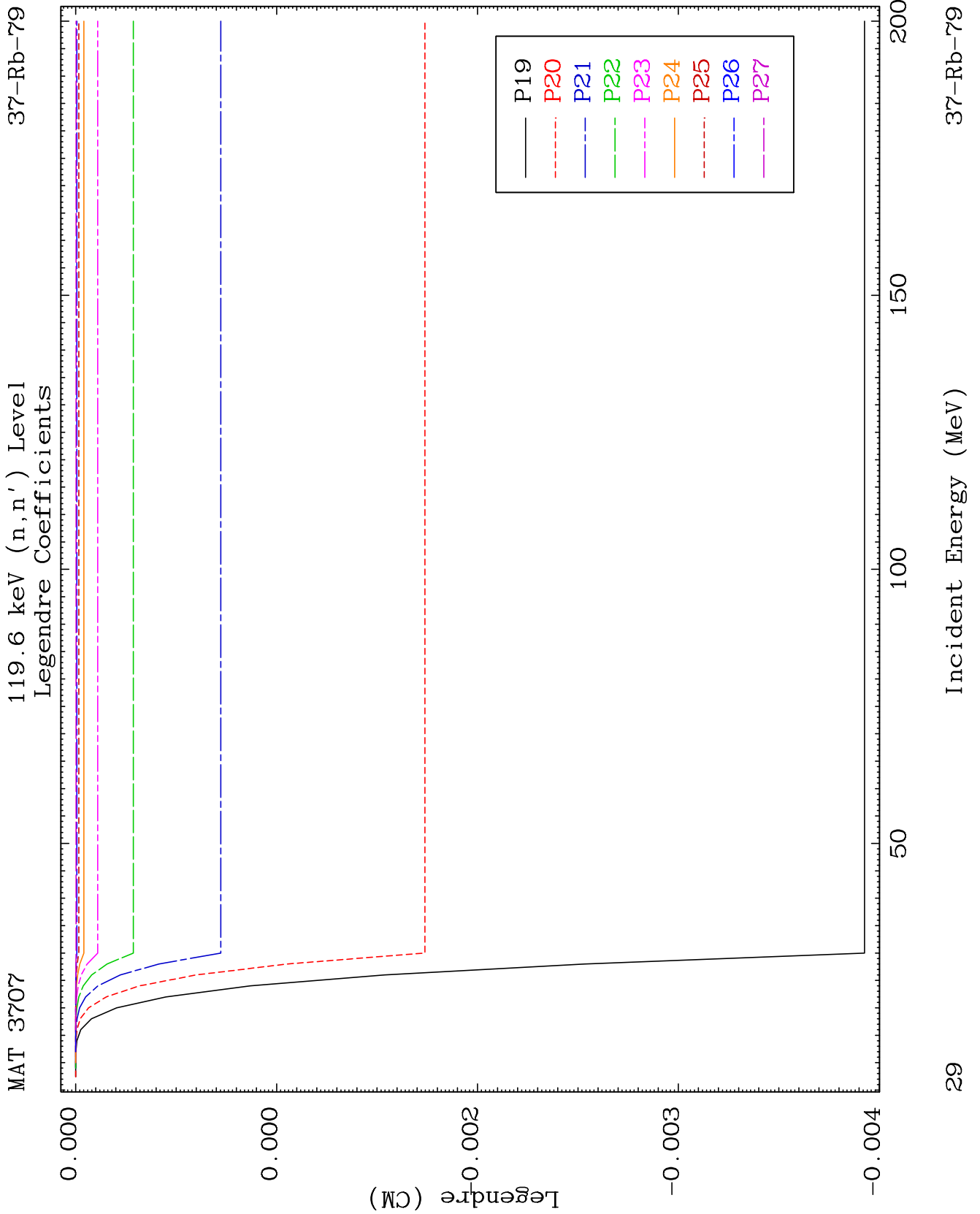
37-Rb-79

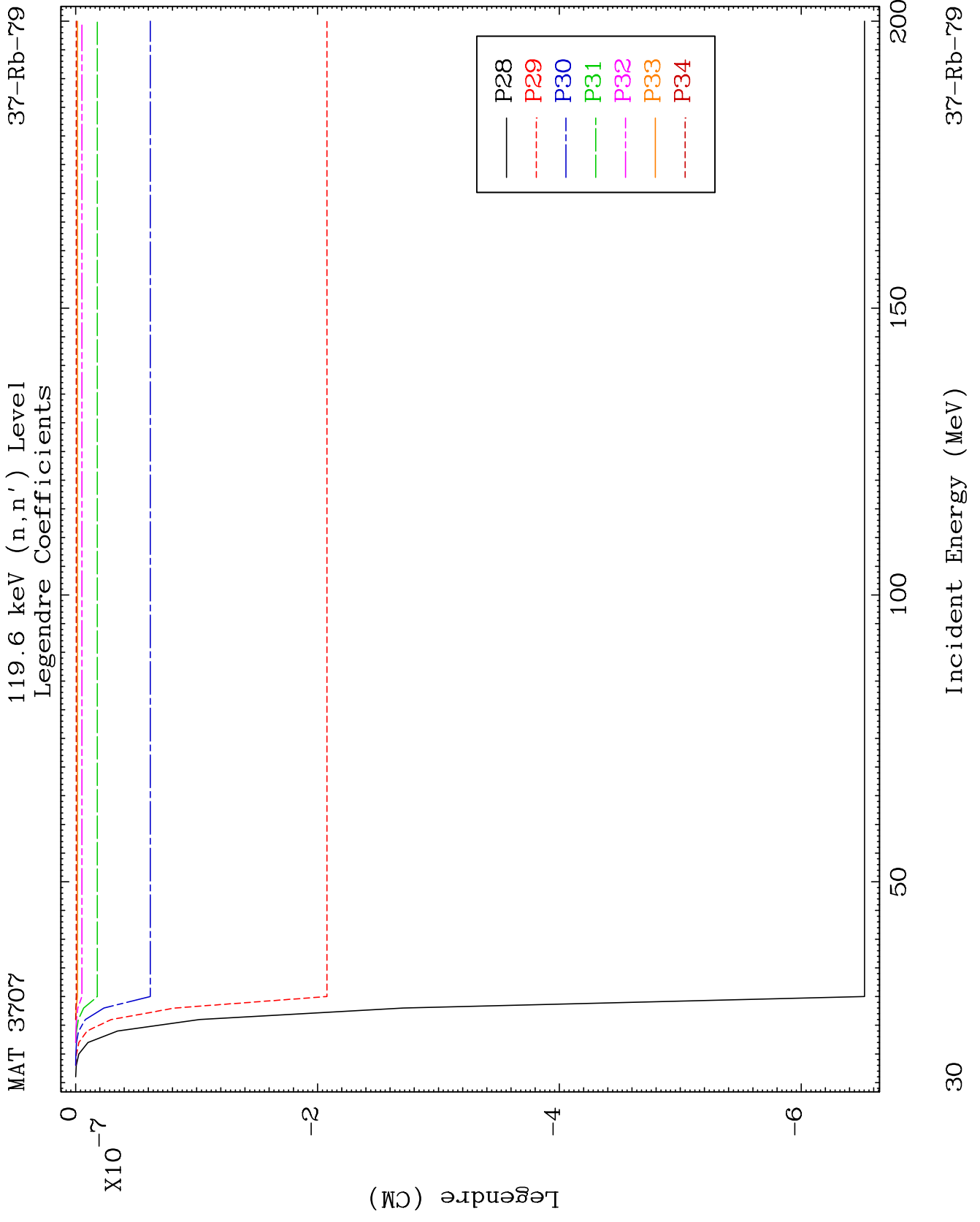


28

Incident Energy (MeV)

37-Rb-79

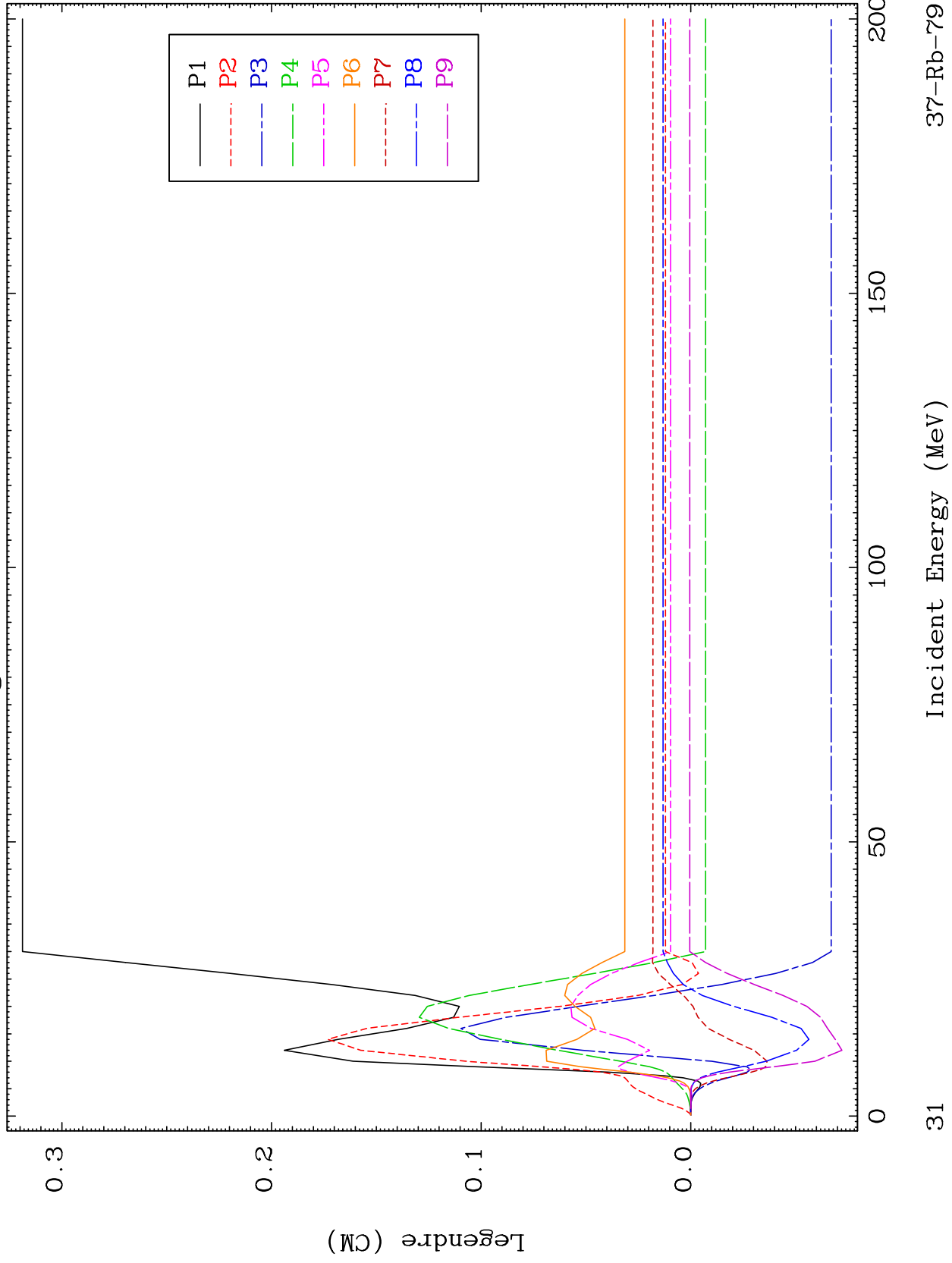




MAT 3707

144.4 keV (n,n') Level
Legendre Coefficients

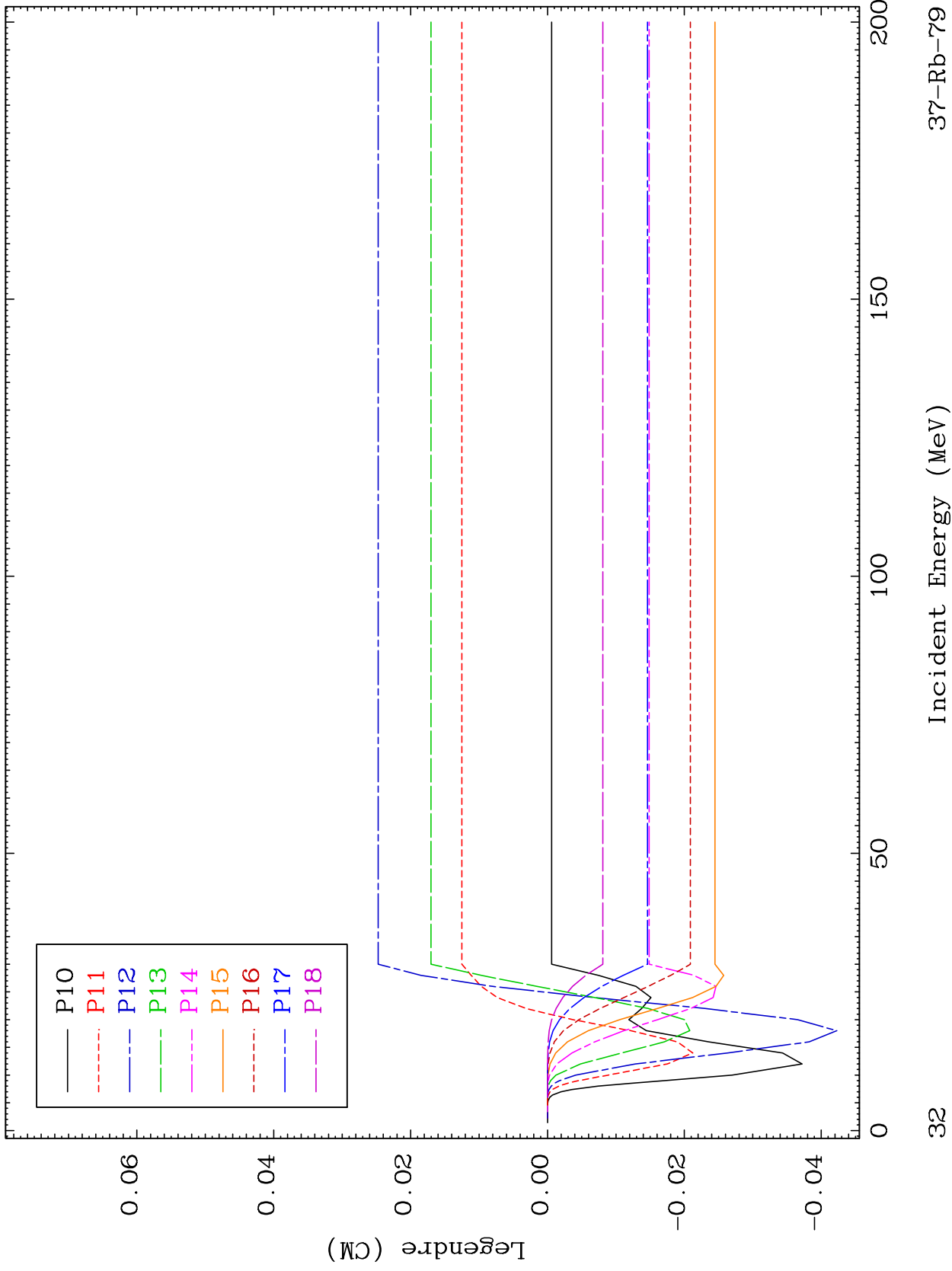
37-Rb-79

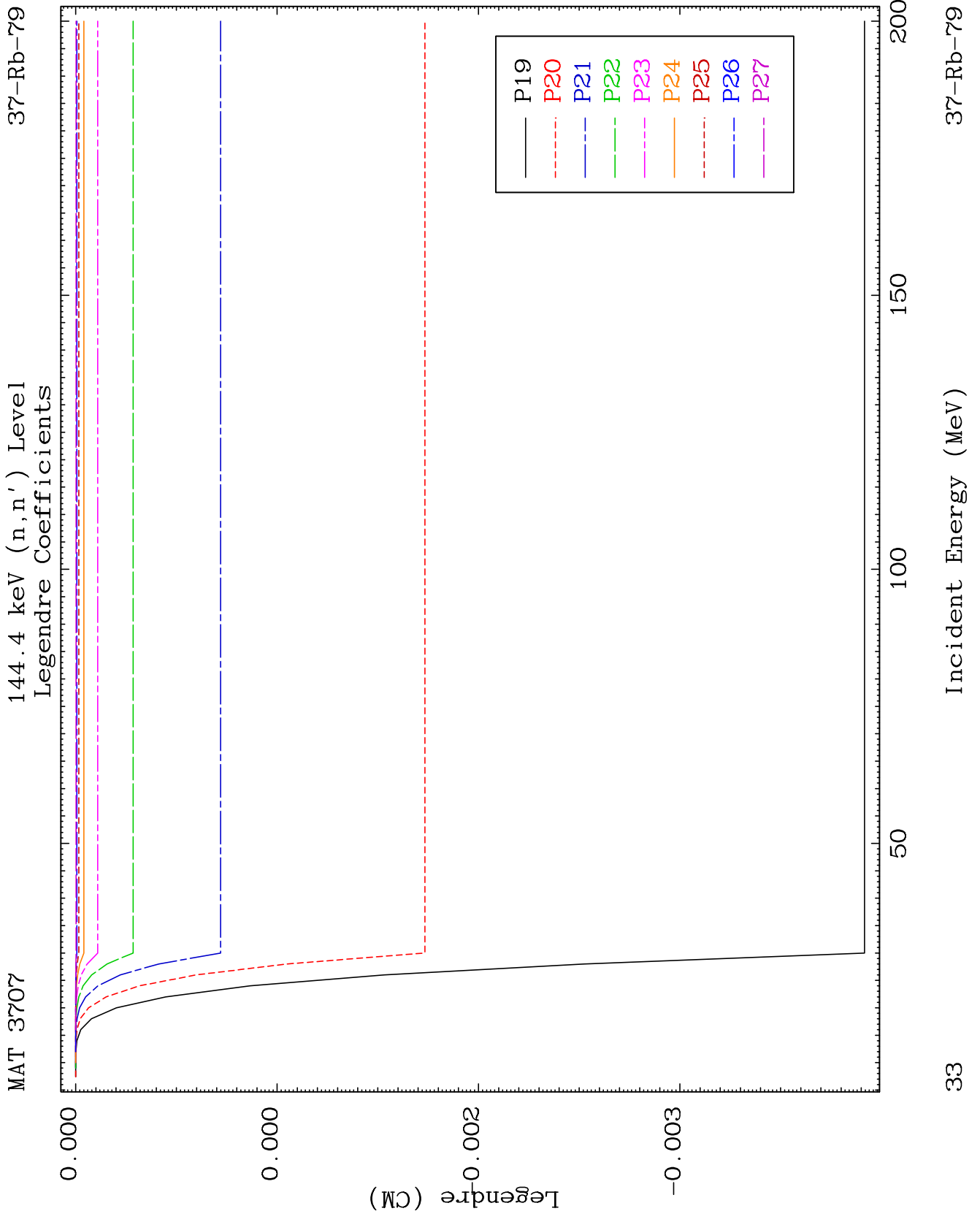


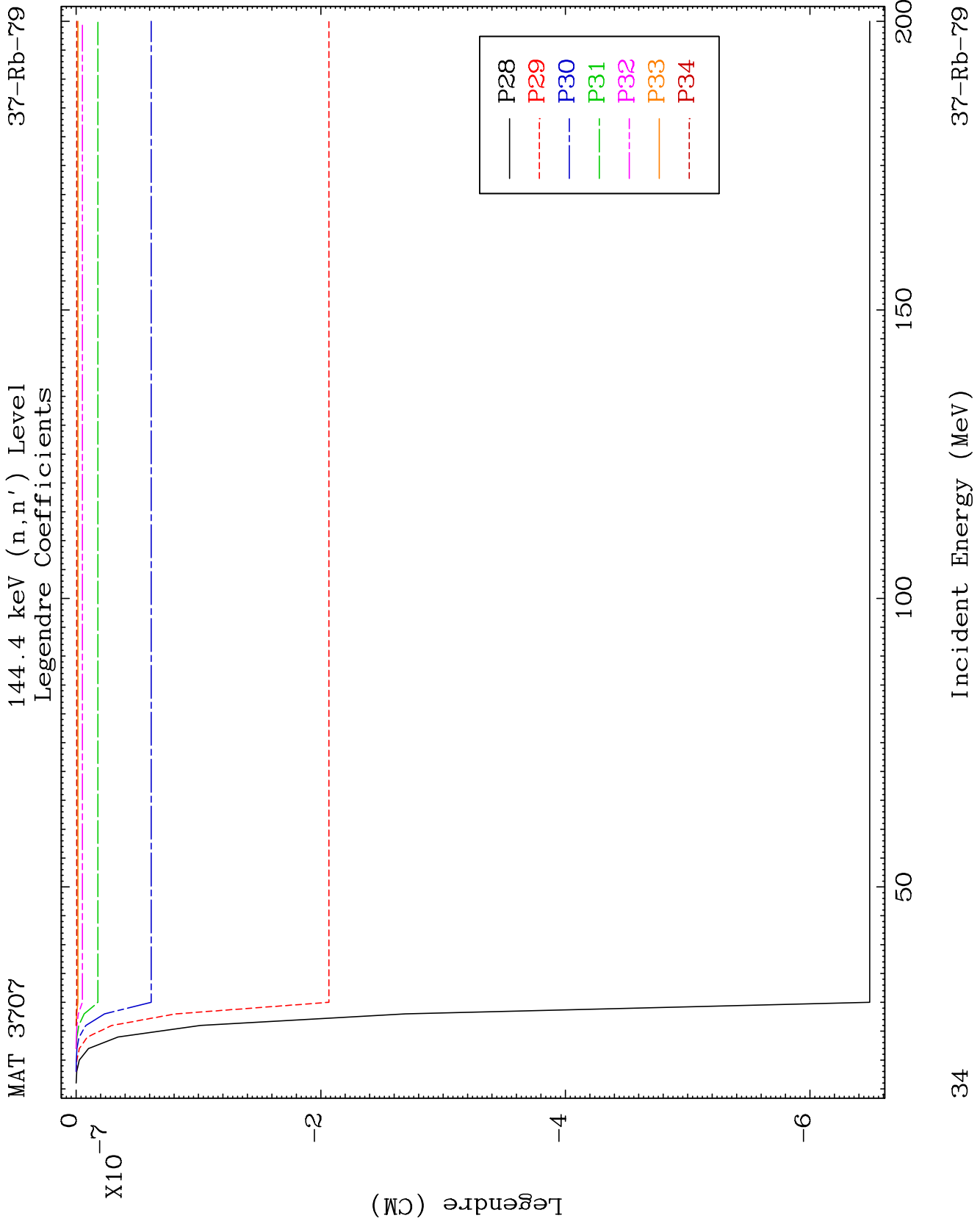
37-Rb-79

Incident Energy (MeV)

31



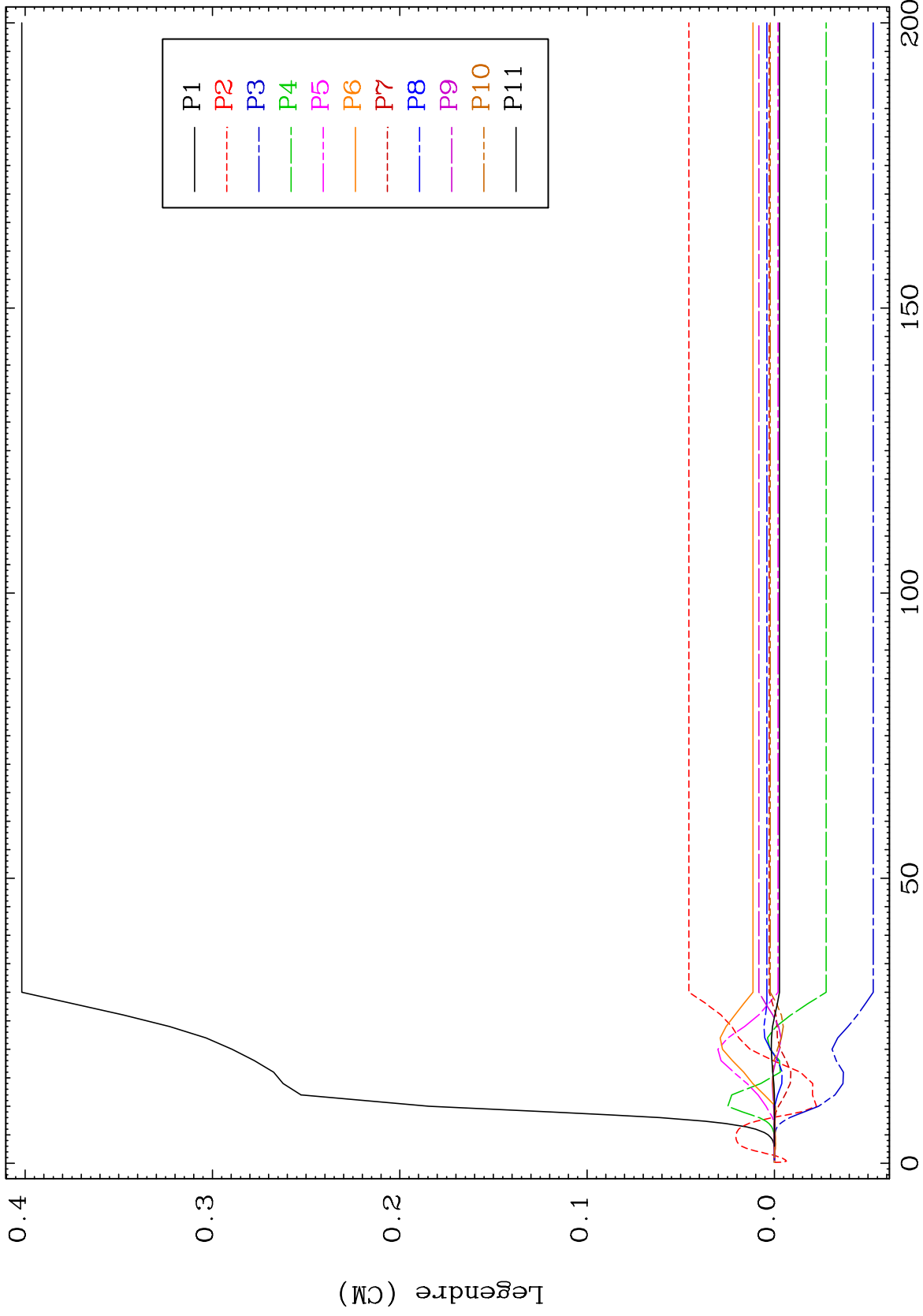




MAT 3707

147.0 keV (n,n') Level
Legendre Coefficients

37-Rb-79



37-Rb-79

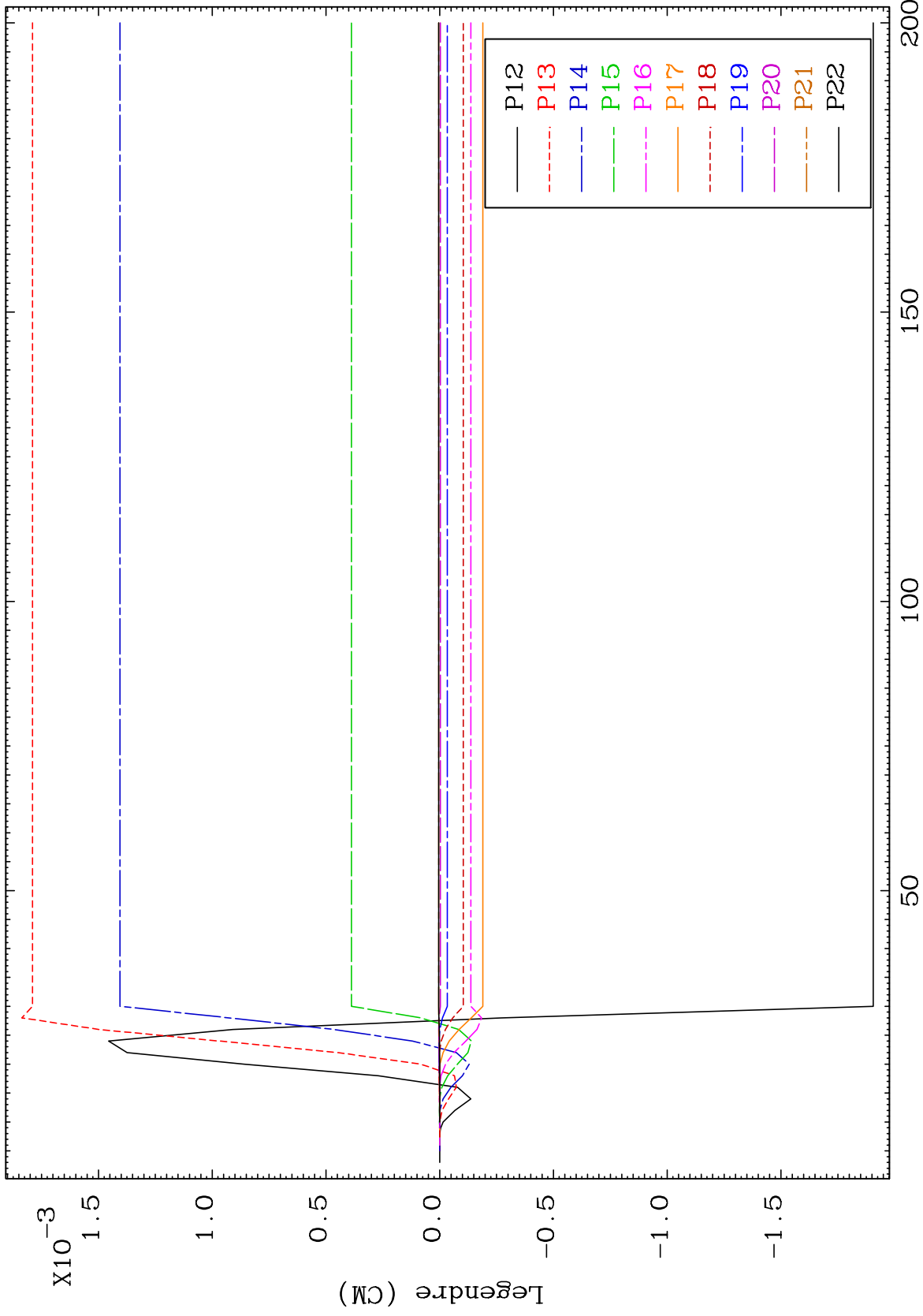
Incident Energy (MeV)

35

MAT 3707

147.0 keV (n,n') Level
Legendre Coefficients

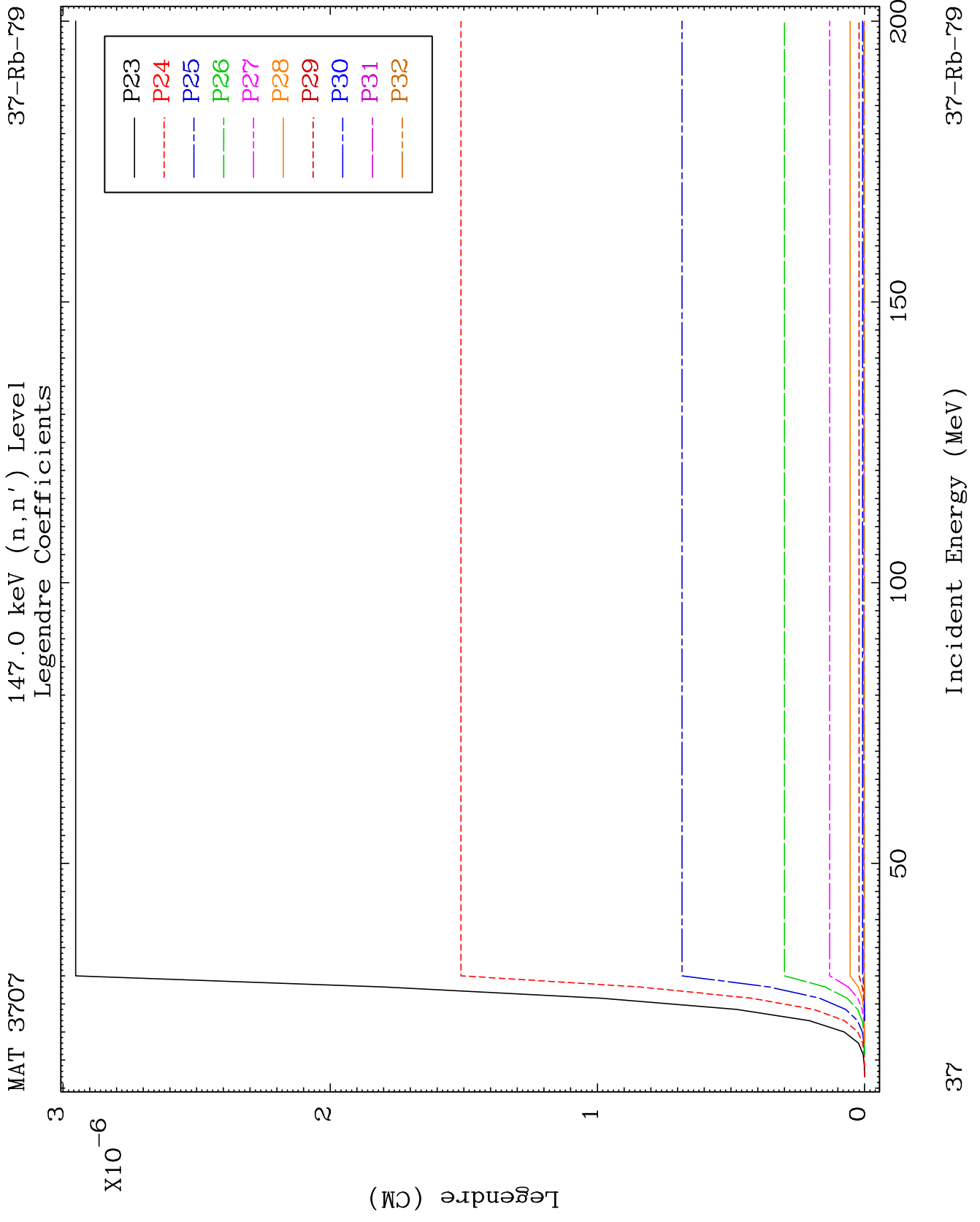
37-Rb-79

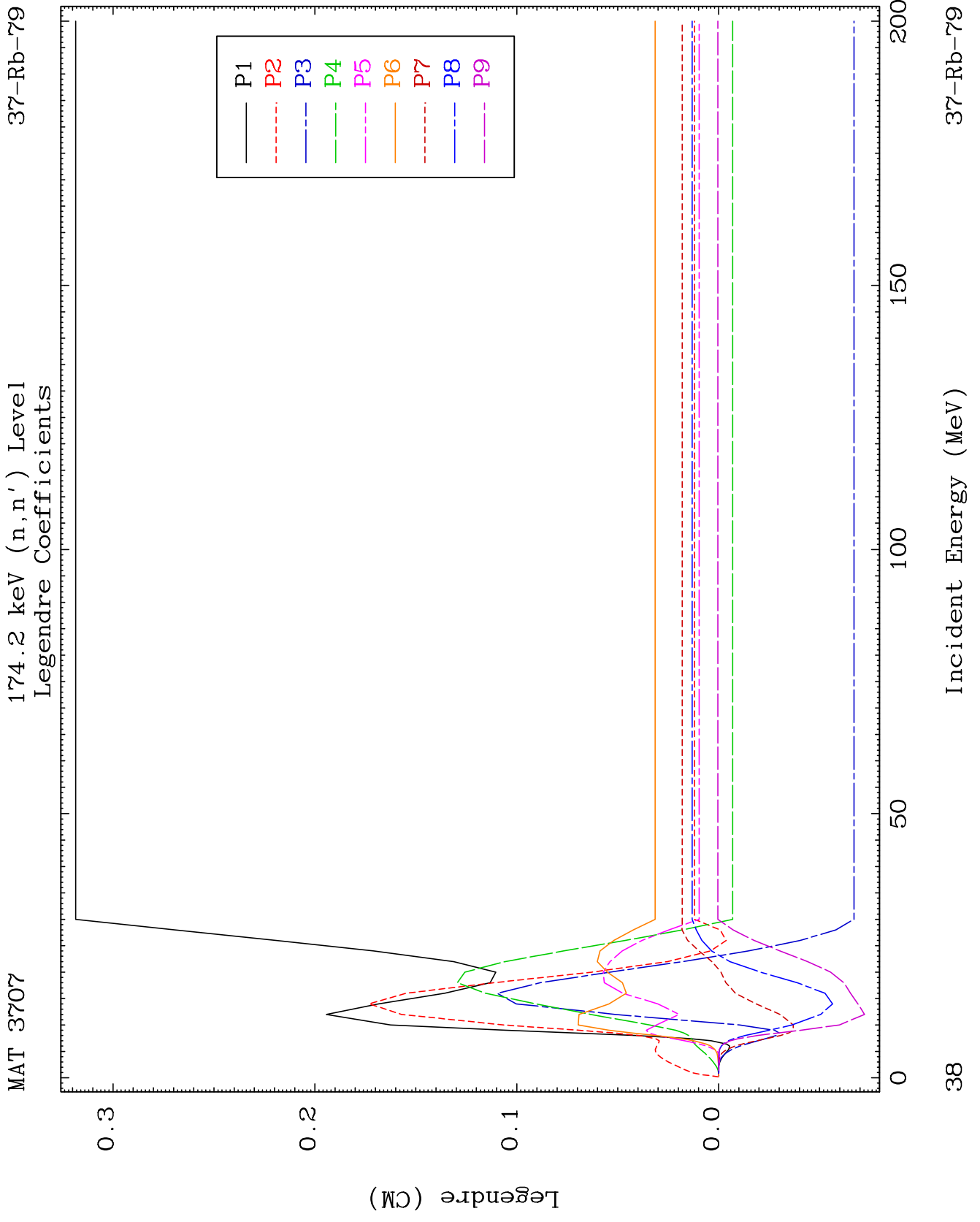


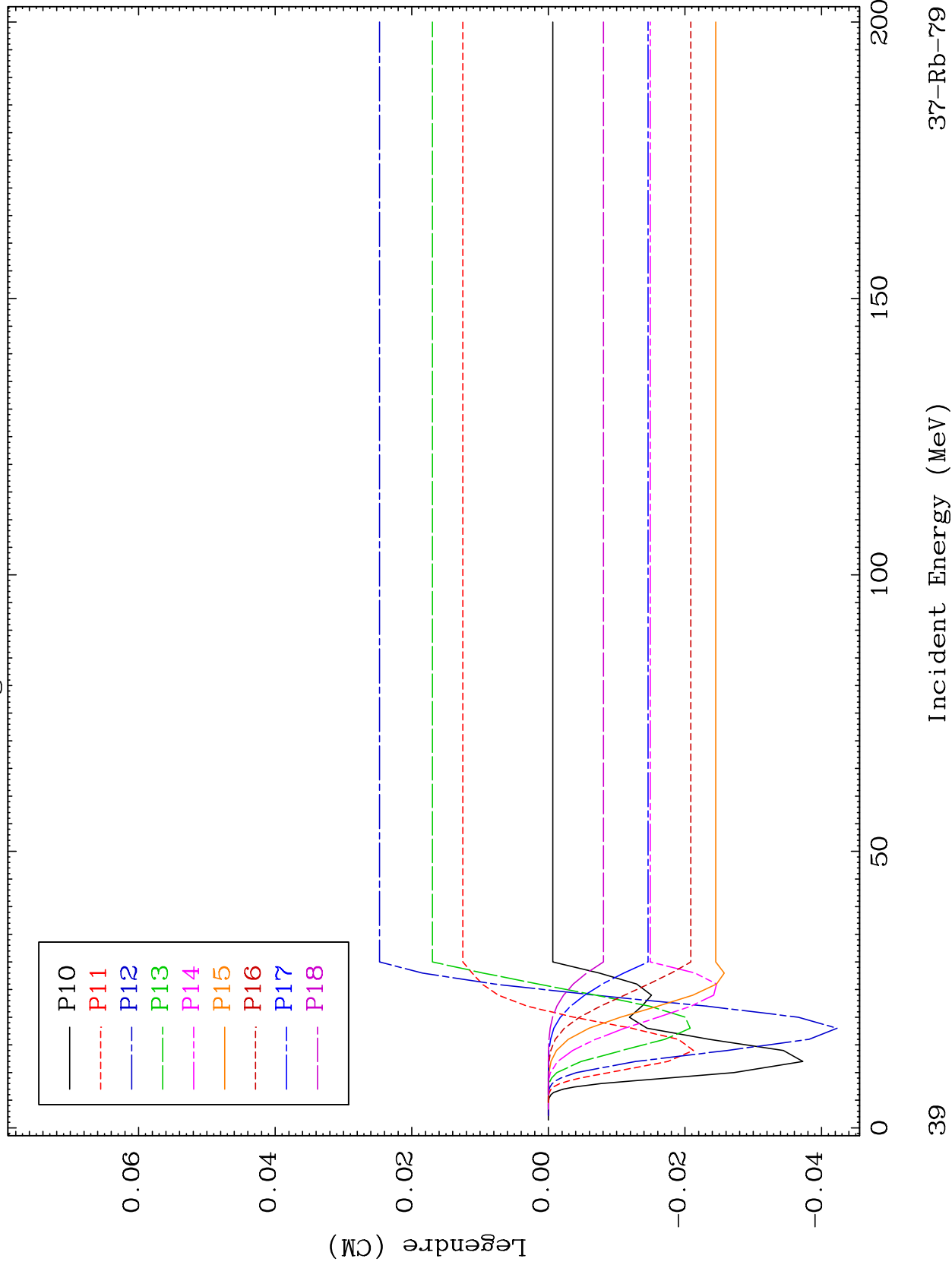
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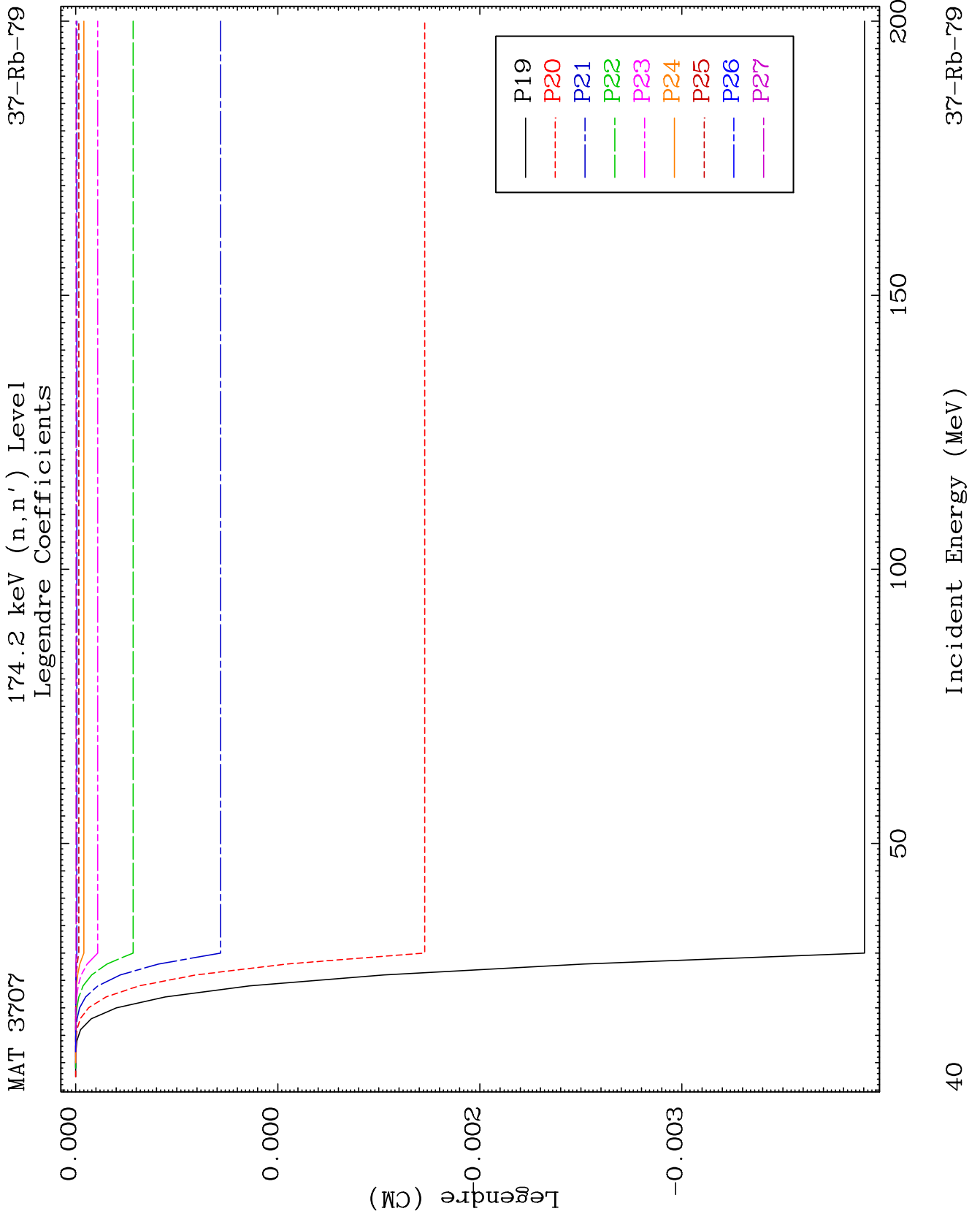
Incident Energy (MeV)

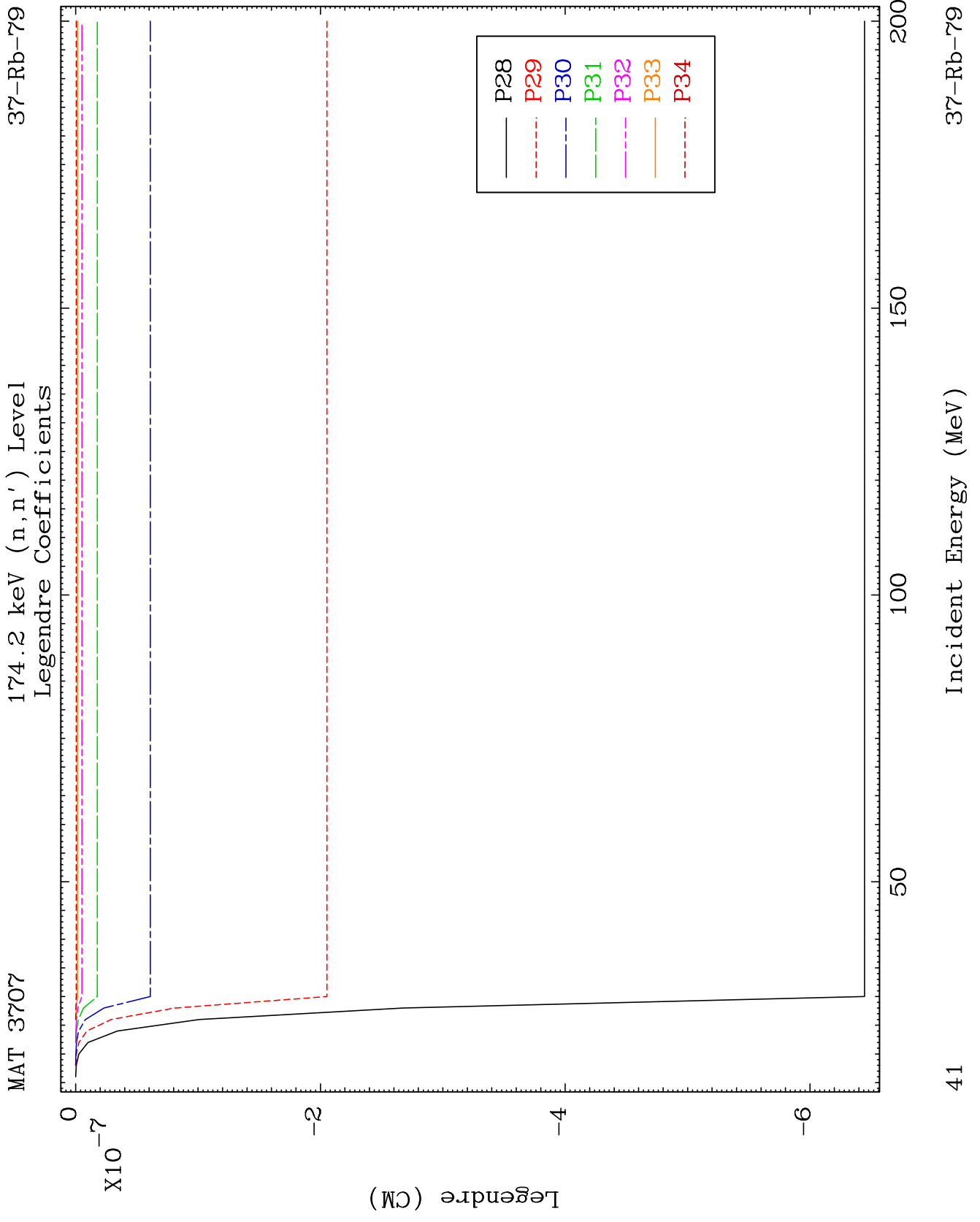
37-Rb-79







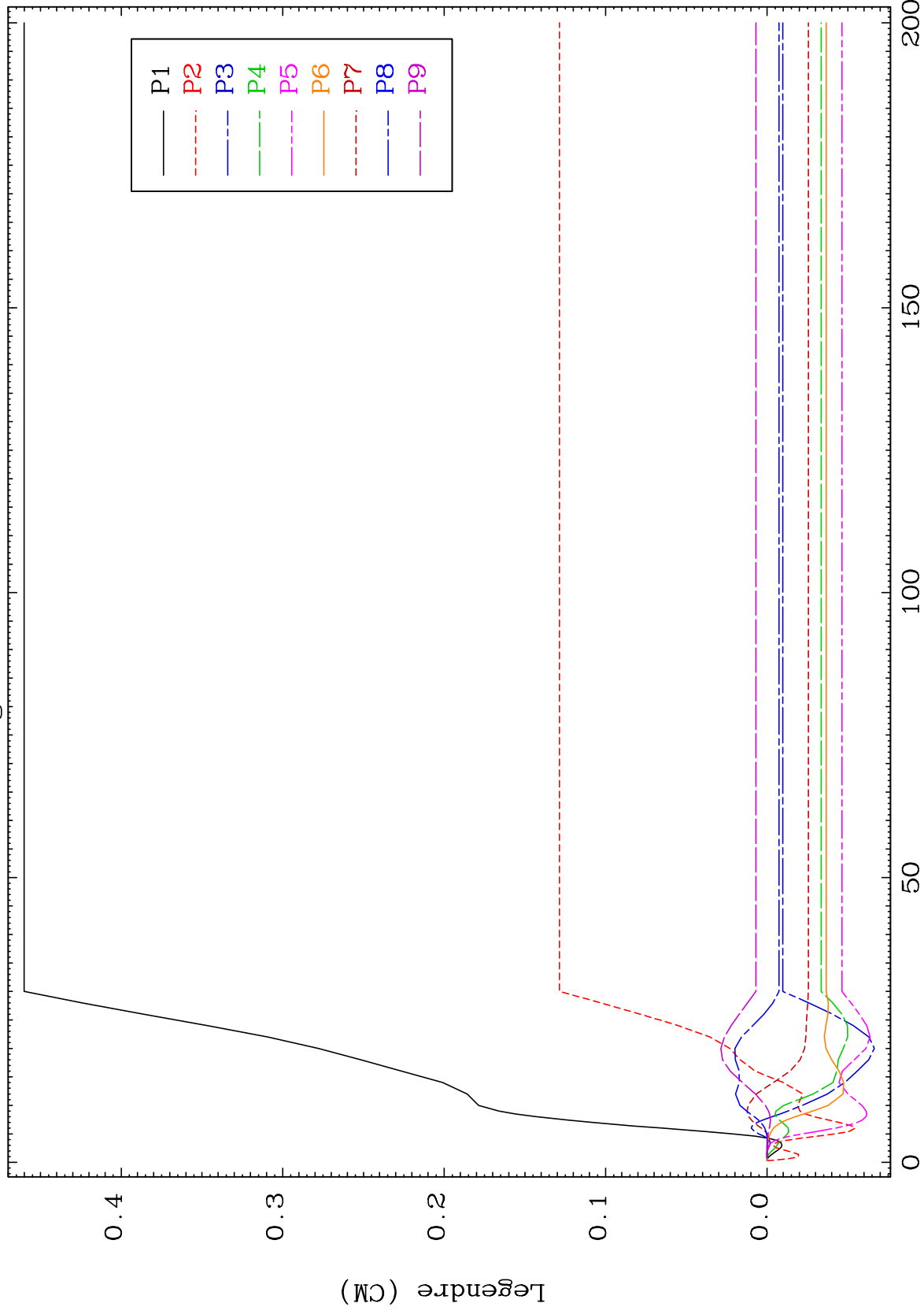




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285.3 keV (n,n') Level
Legendre Coefficients

37-Rb-79



42

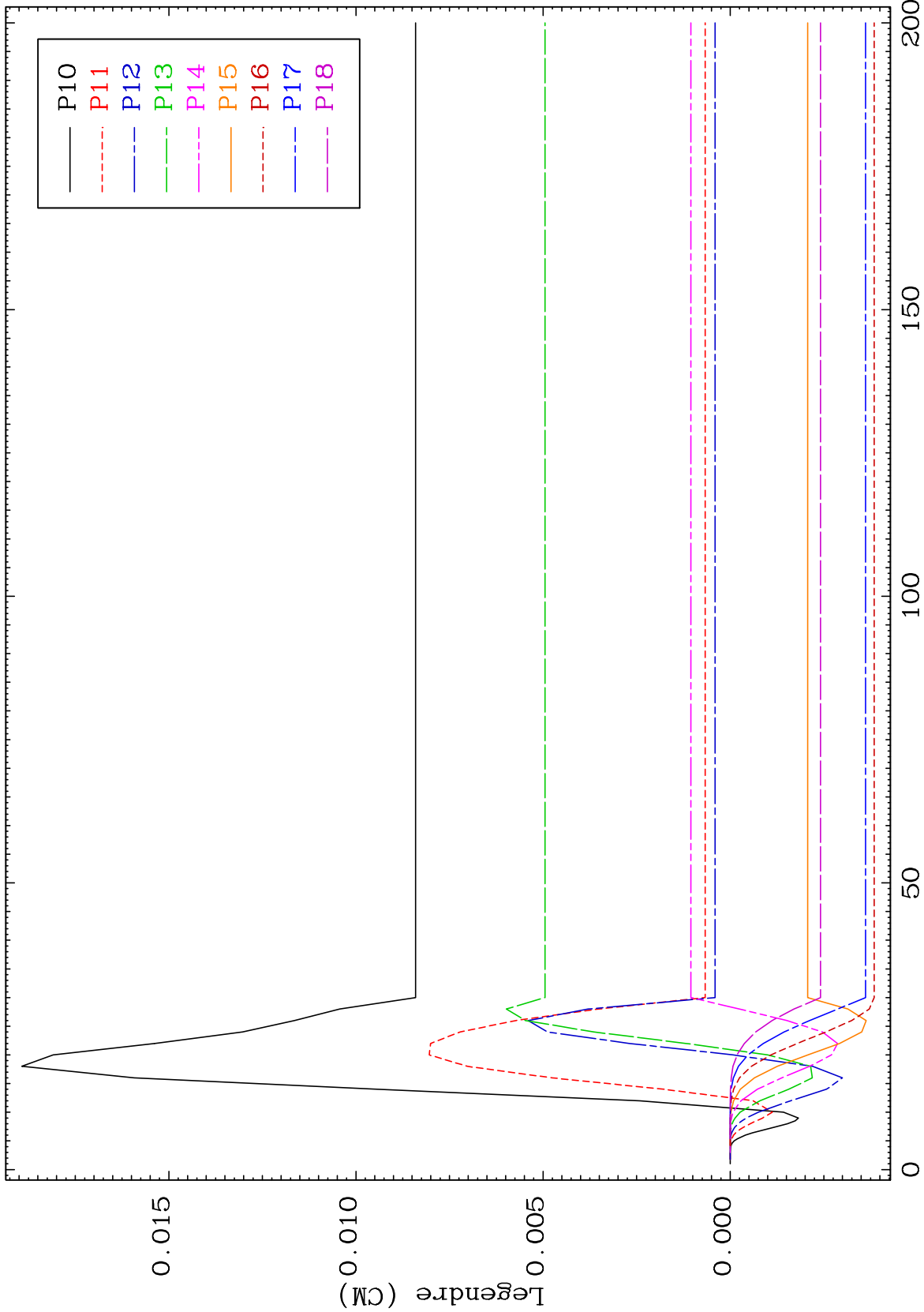
Incident Energy (MeV)

37-Rb-79

MAT 3707

285.3 keV (n,n') Level
Legendre Coefficients

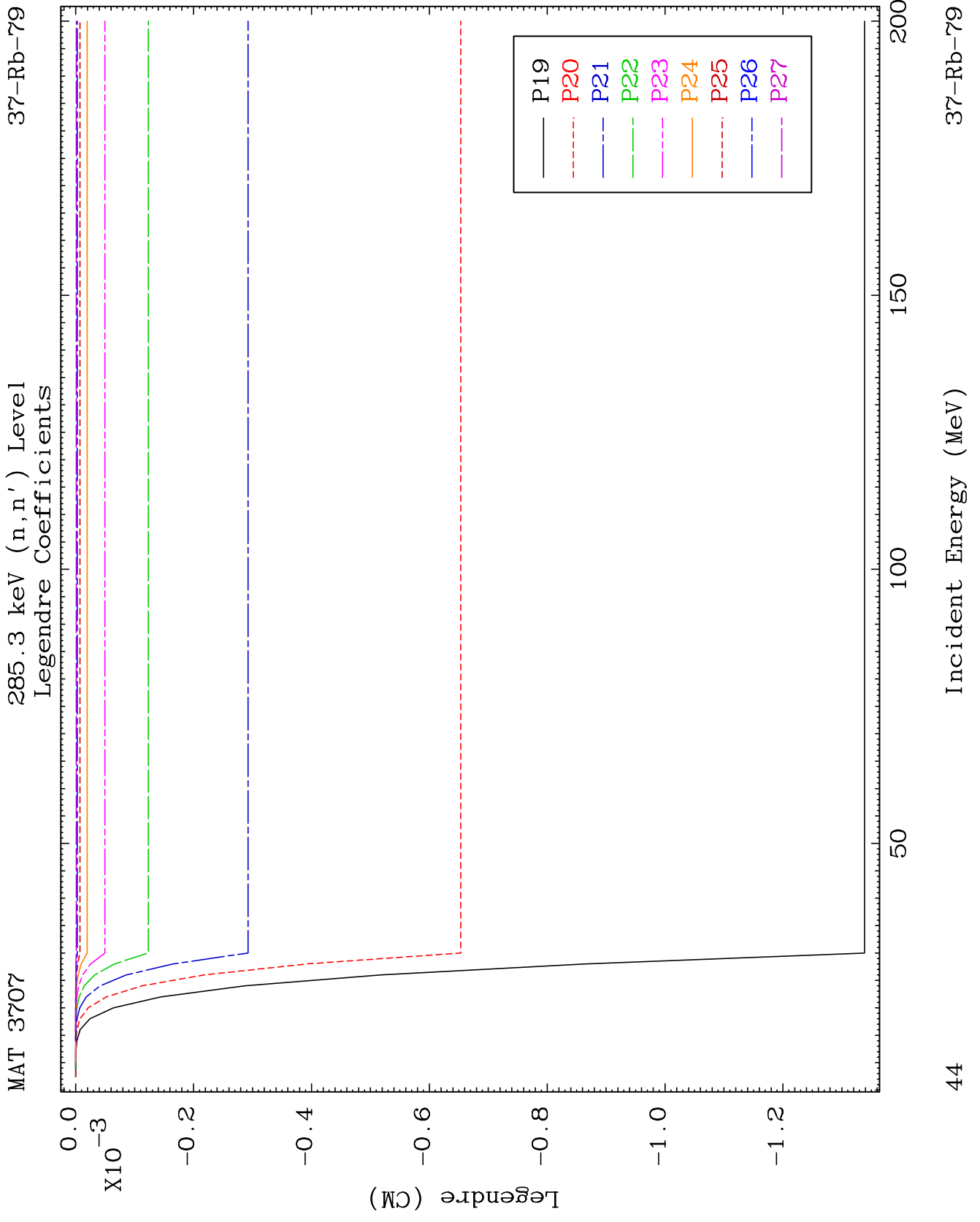
37-Rb-79

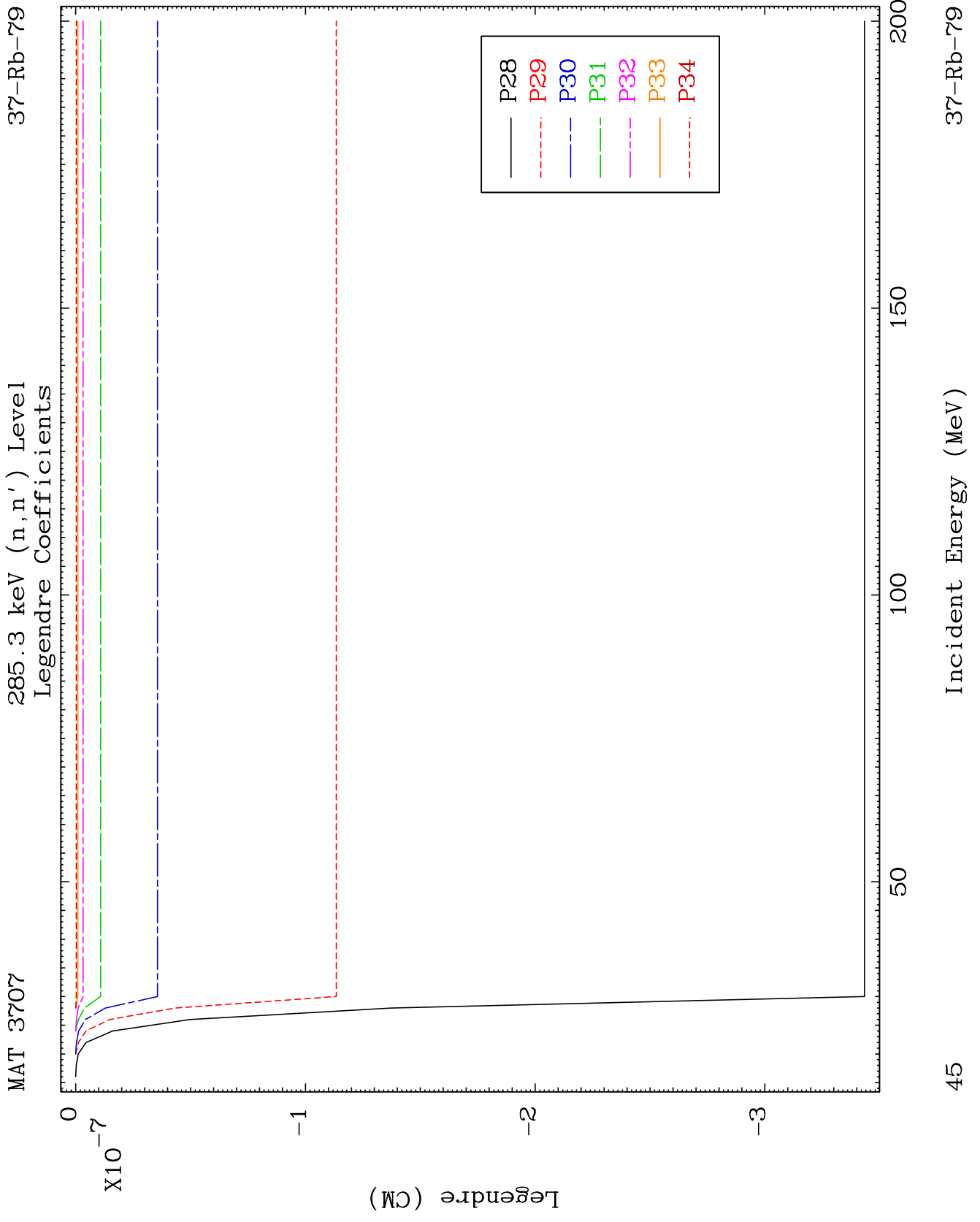


43

Incident Energy (MeV)

37-Rb-79

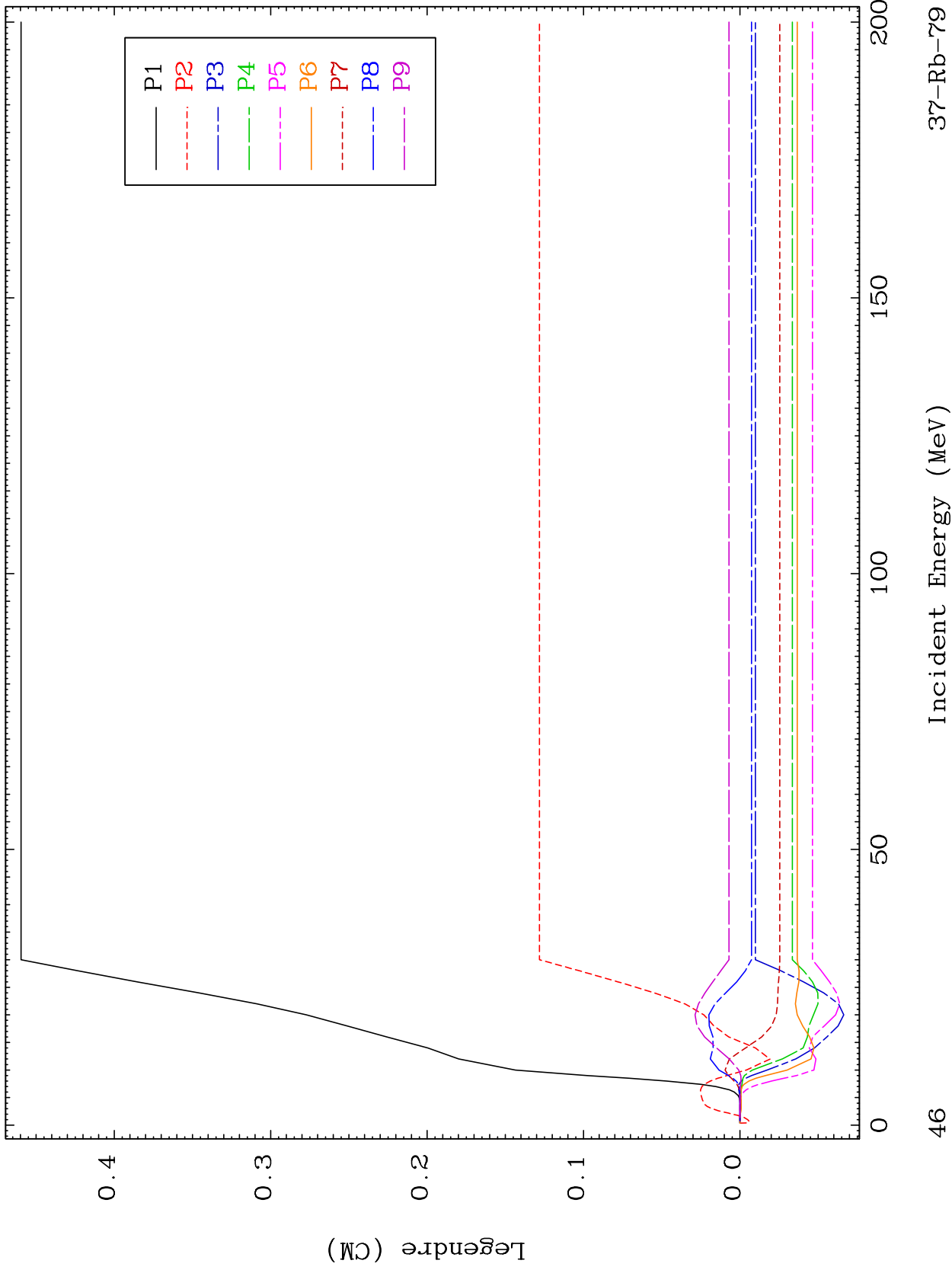




MAT 3707

357.1 keV (n,n') Level
Legendre Coefficients

37-Rb-79



37-Rb-79

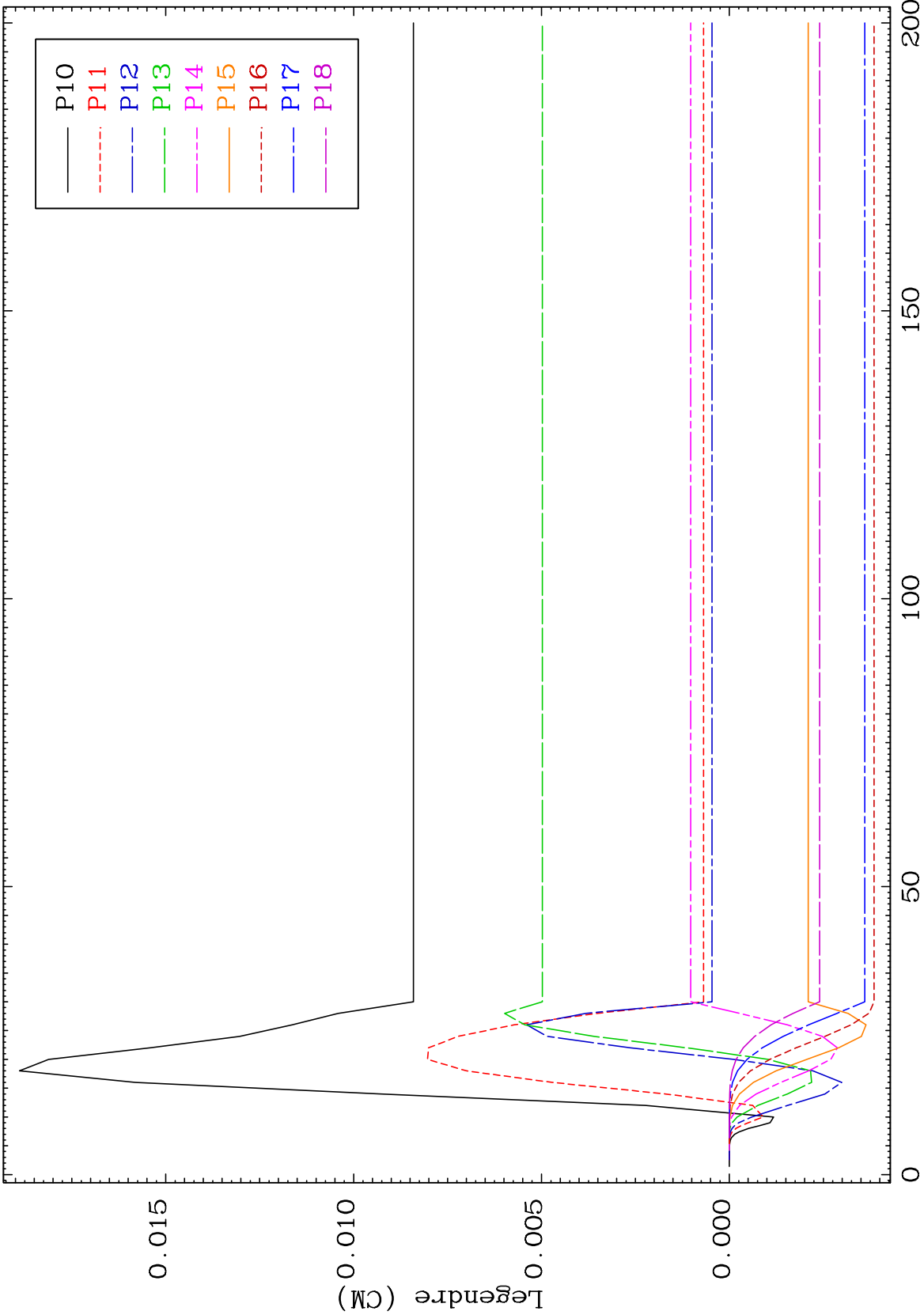
Incident Energy (MeV)

46

MAT 3707

357.1 keV (n,n') Level
Legendre Coefficients

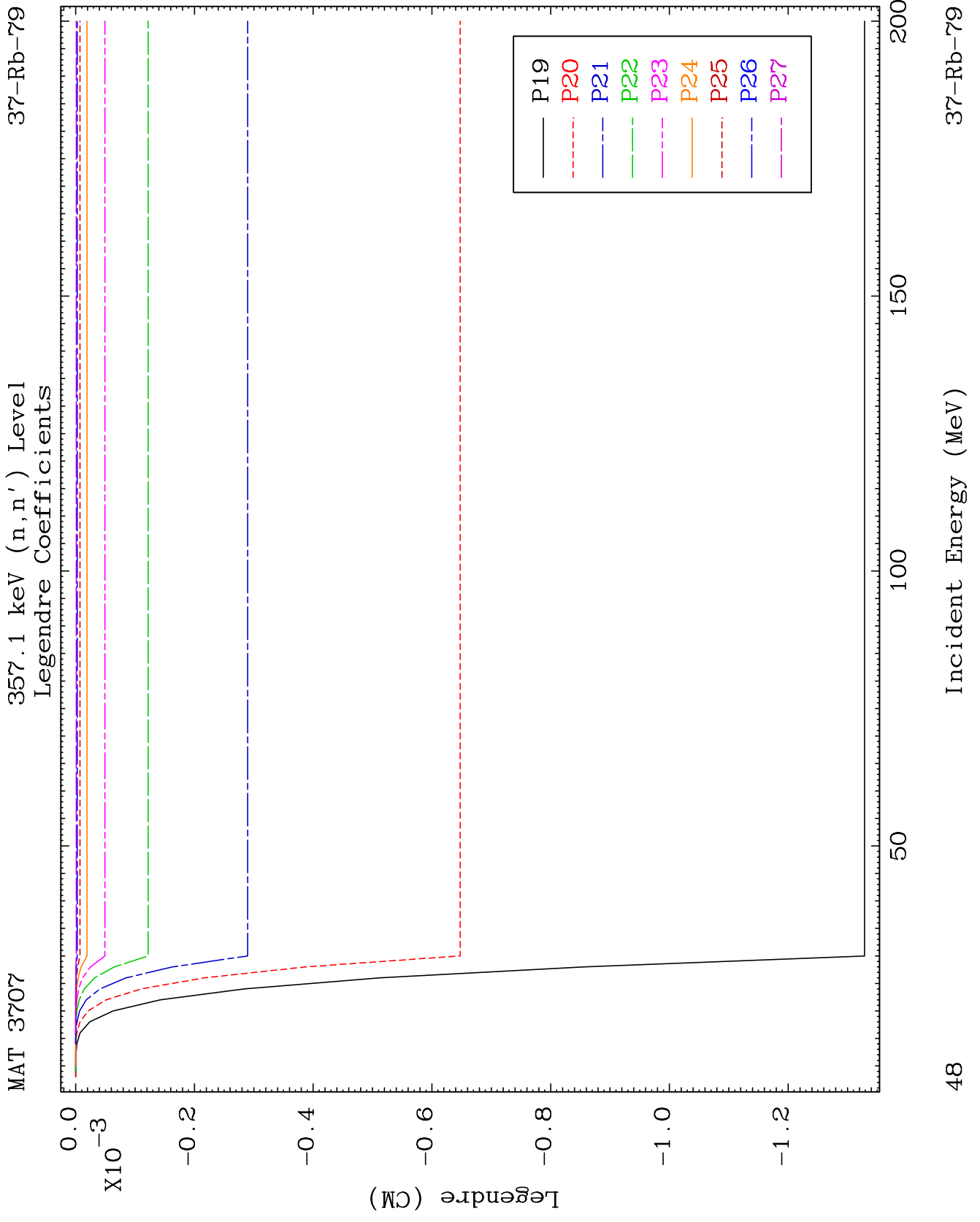
37-Rb-79

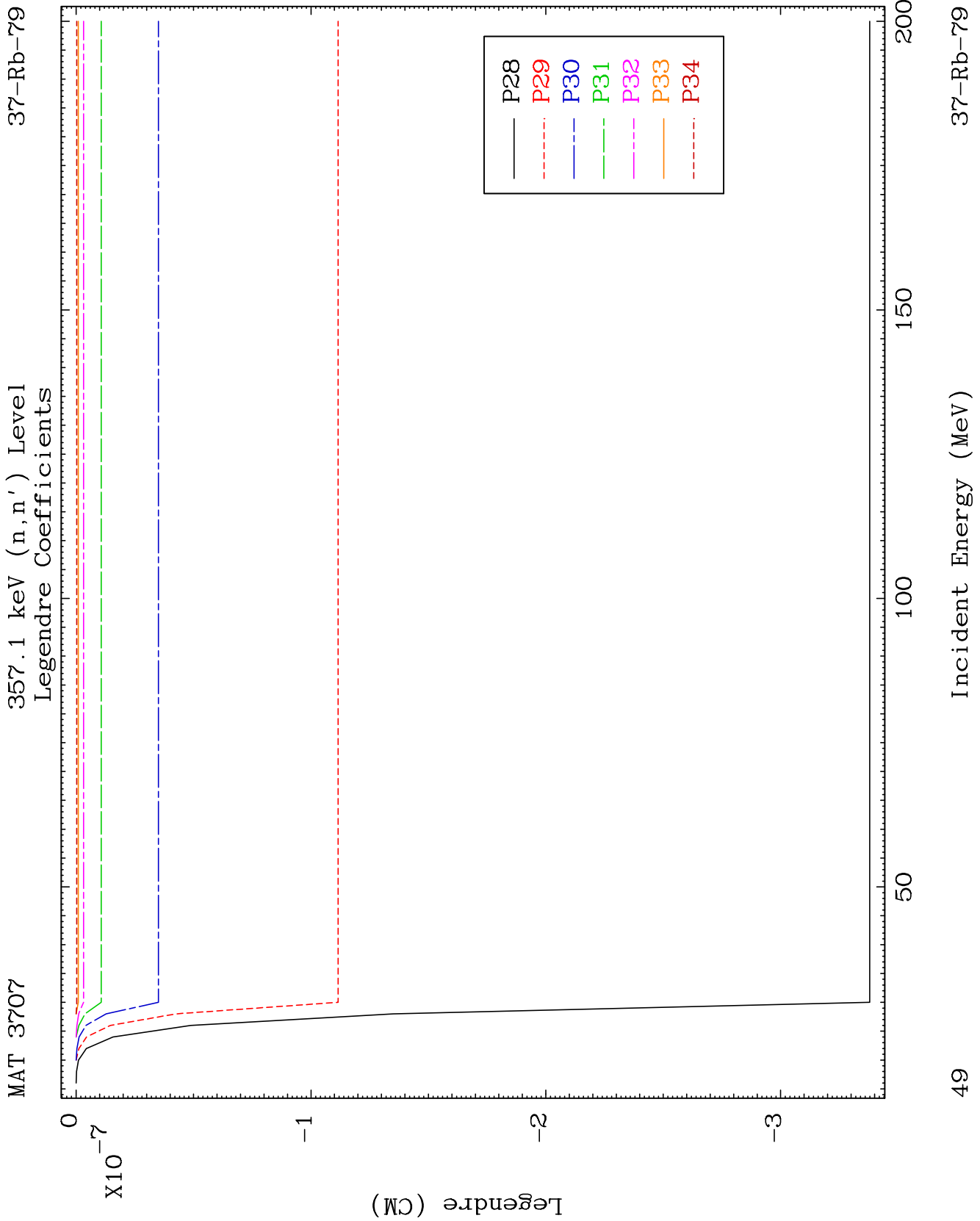


47

Incident Energy (MeV)

37-Rb-79

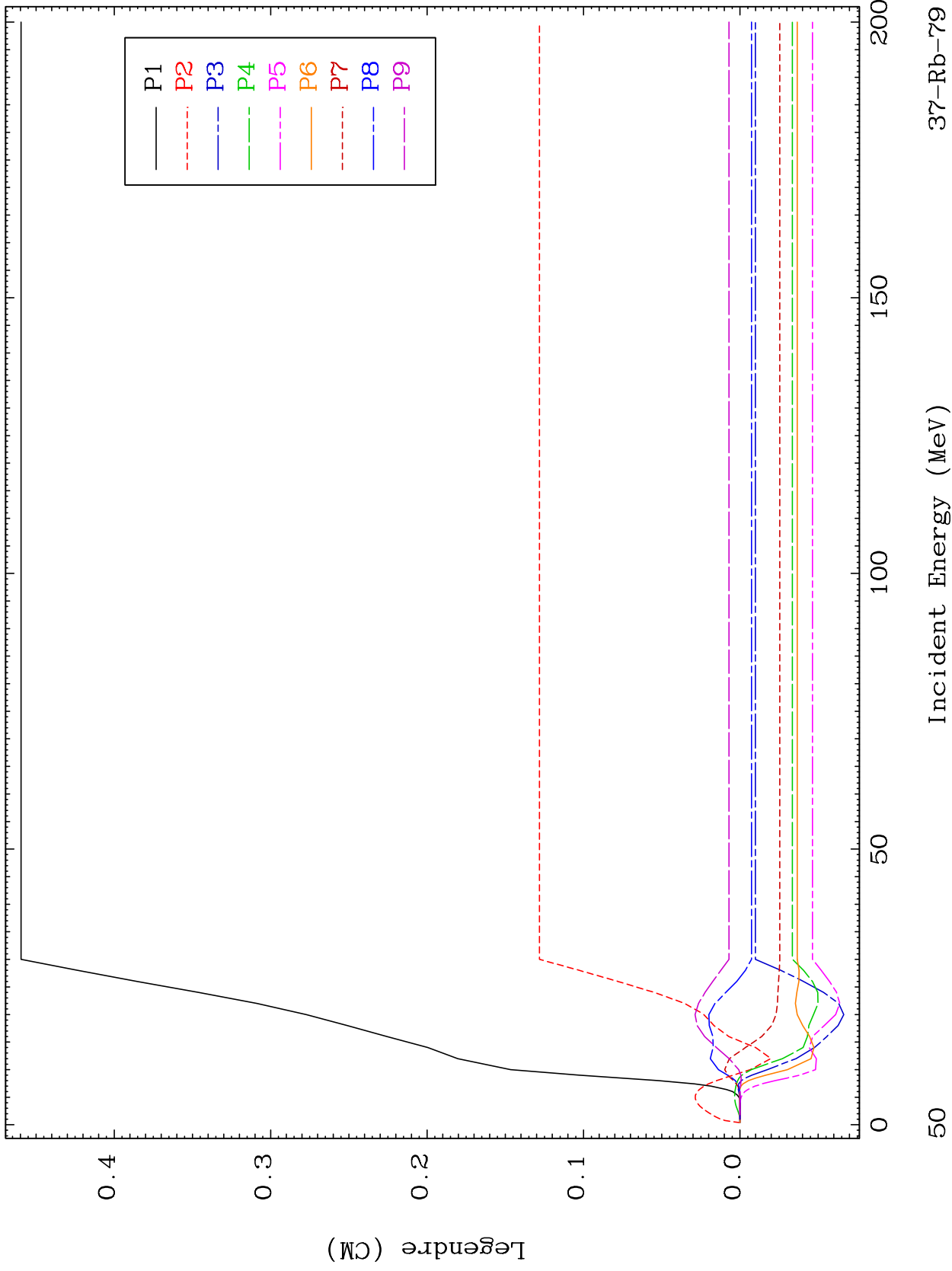




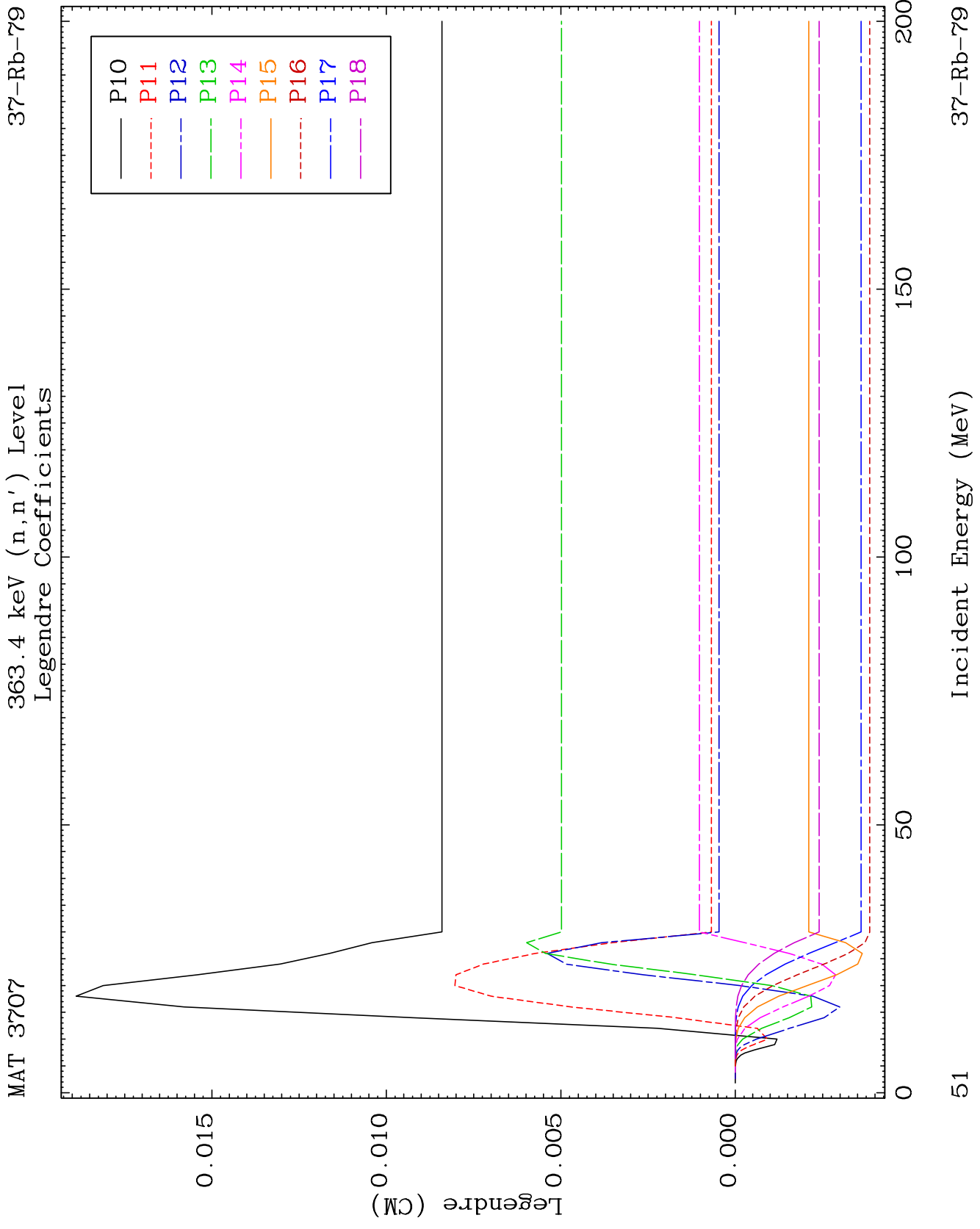
MAT 3707

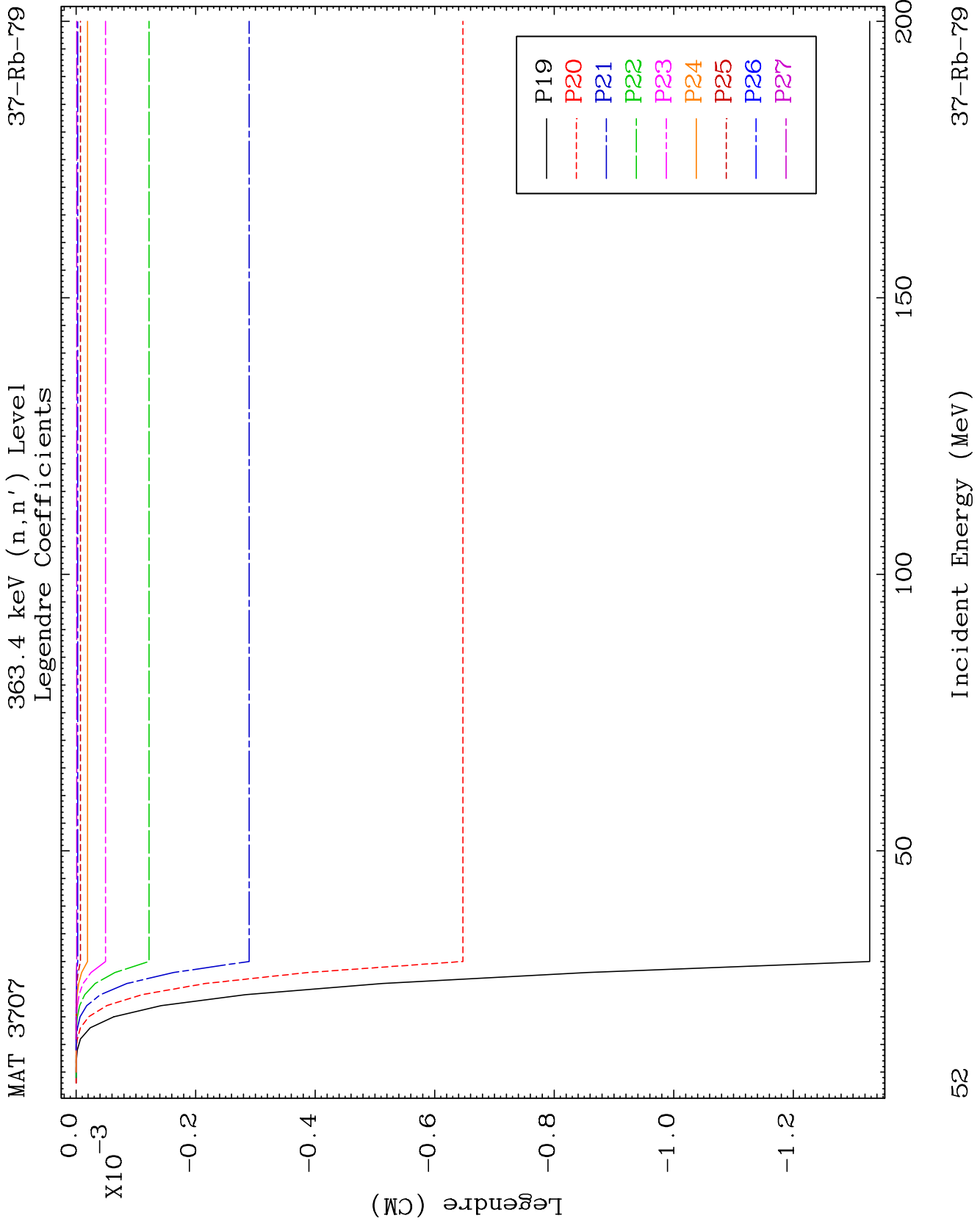
363.4 keV (n,n') Level
Legendre Coefficients

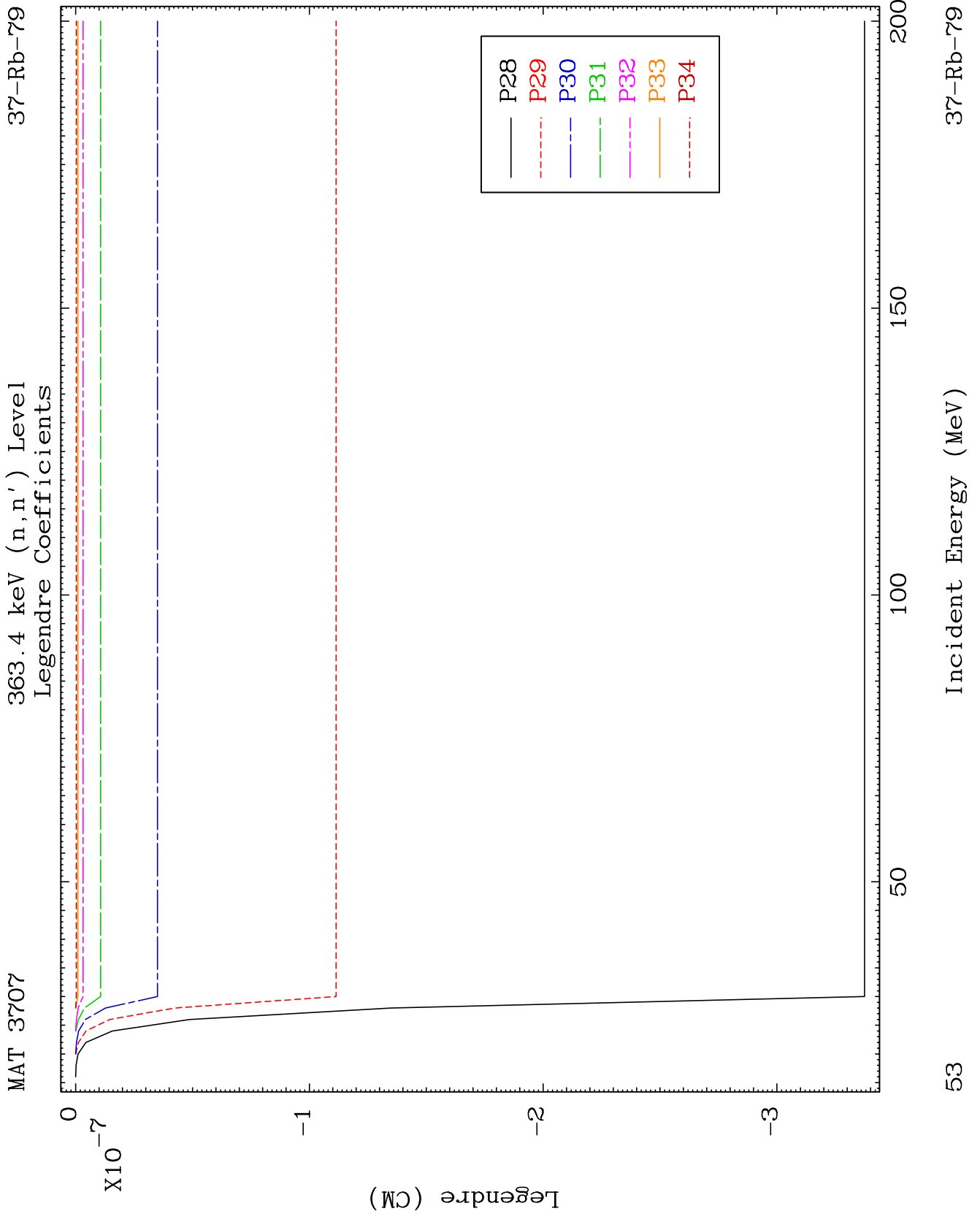
37-Rb-79



37-Rb-79



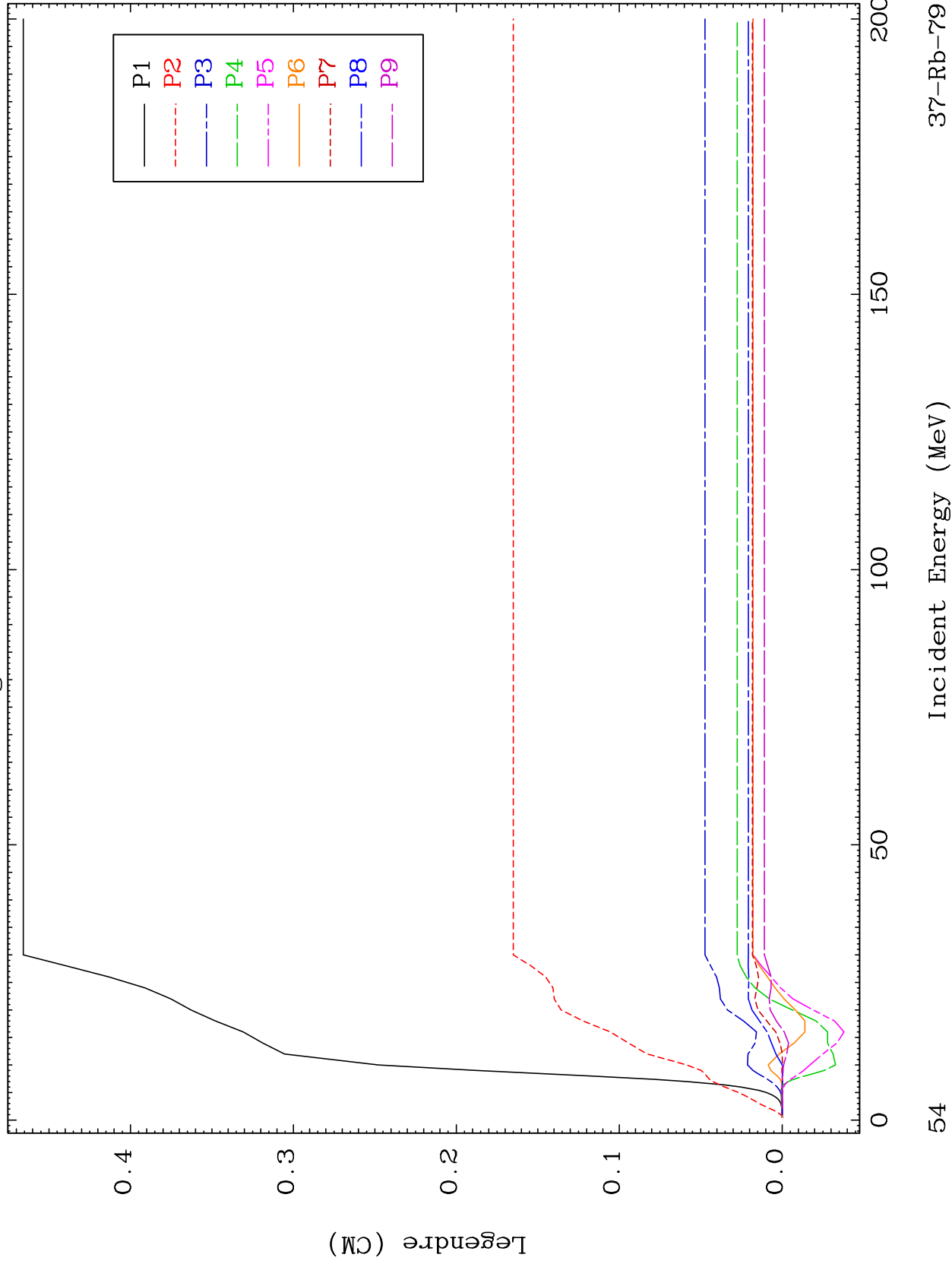




MAT 3707

452.9 keV (n,n') Level
Legendre Coefficients

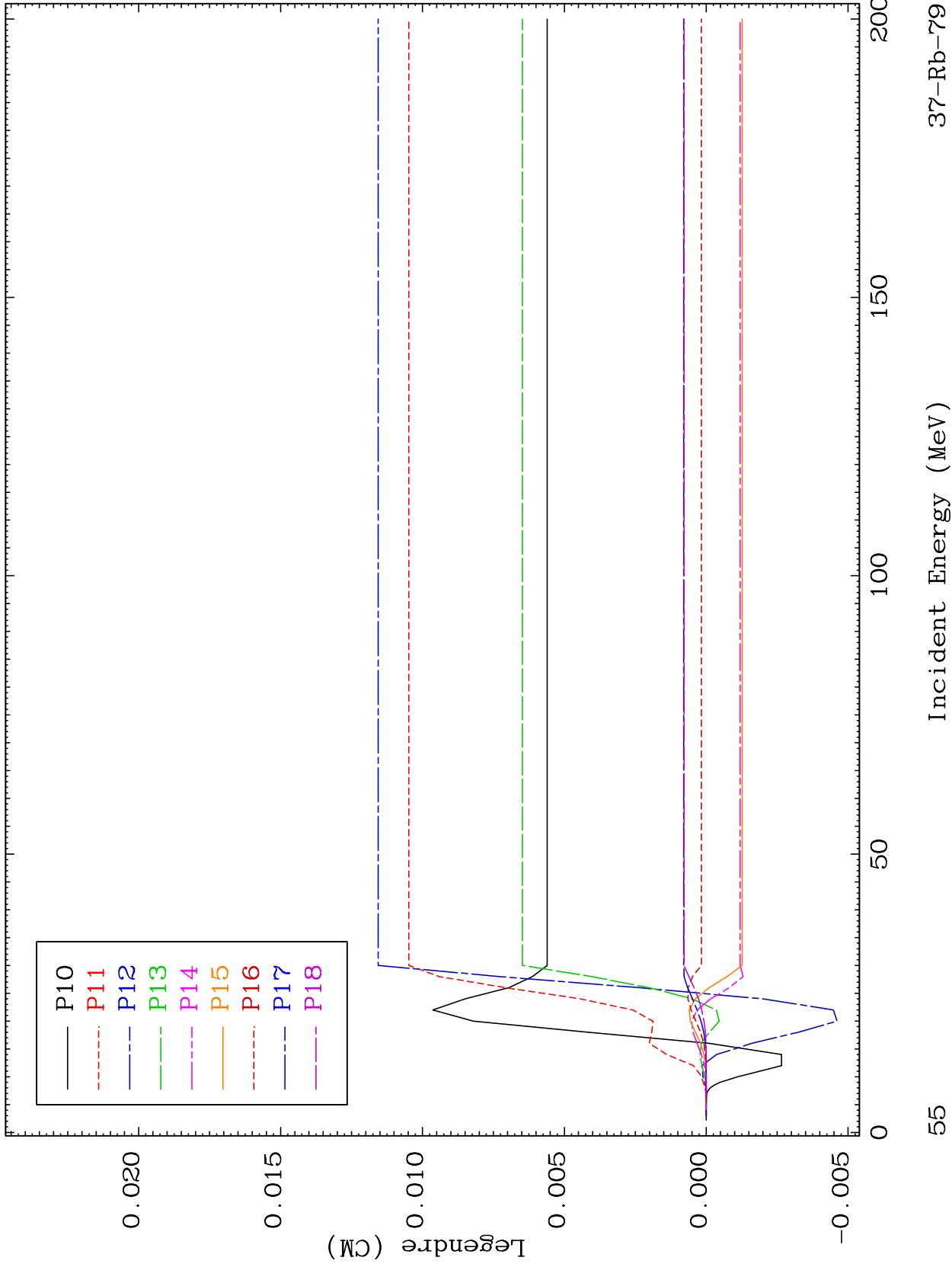
37-Rb-79

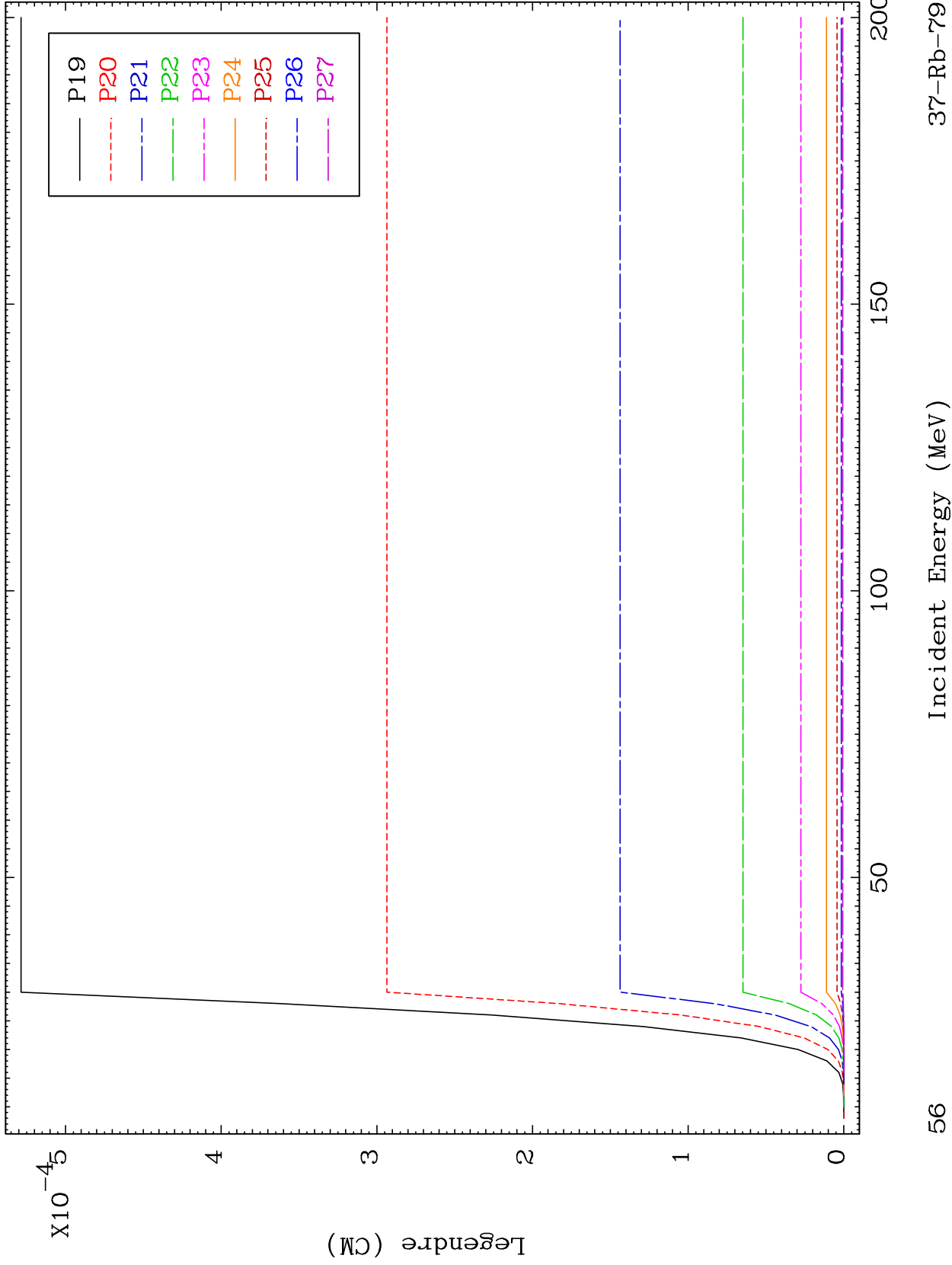


37-Rb-79

Incident Energy (MeV)

54

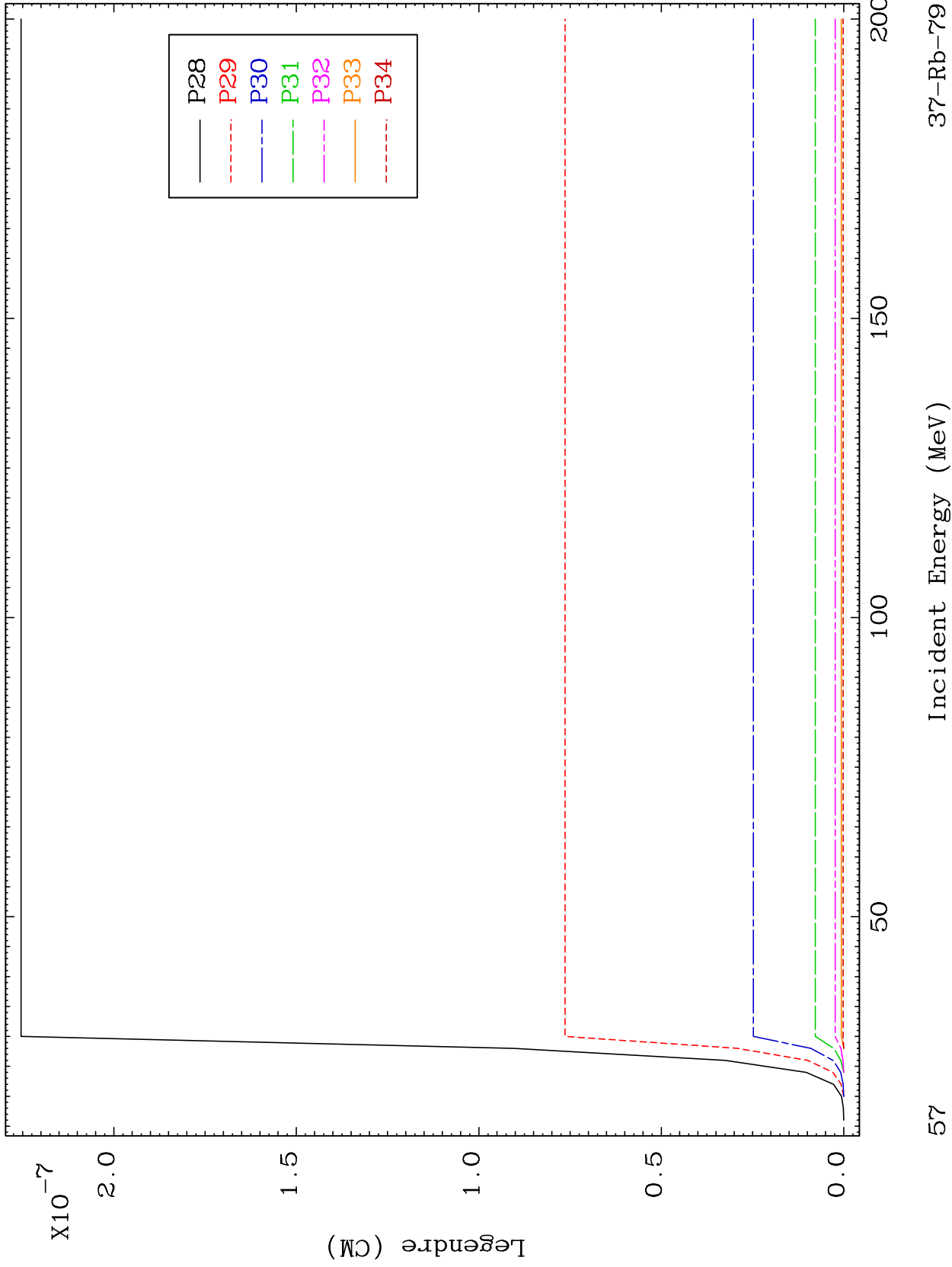




MAT 3707

452.9 keV (n, n') Level
Legendre Coefficients

37-Rb-79



57

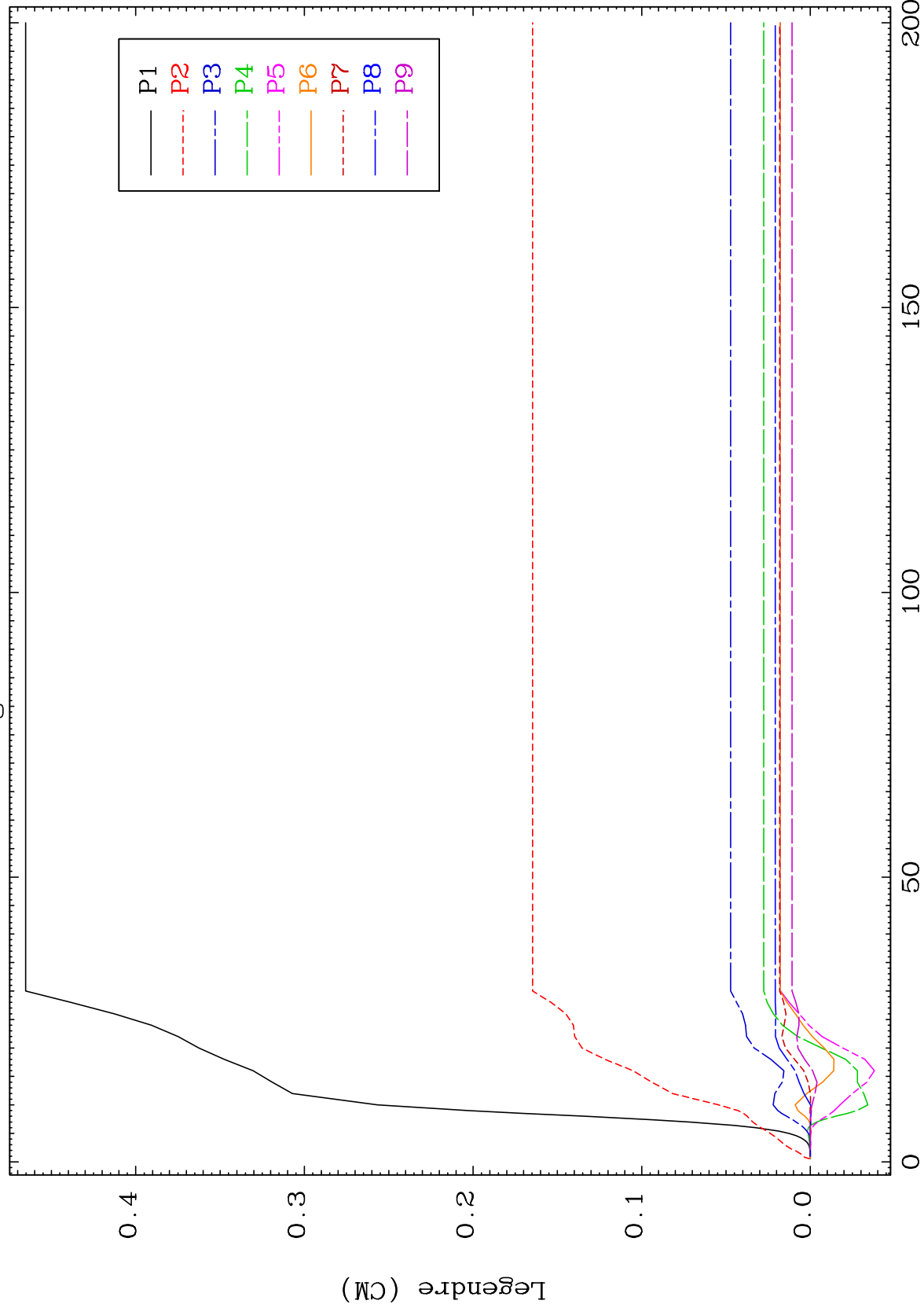
Incident Energy (MeV)

37-Rb-79

MAT 3707

525.5 keV (n,n') Level
Legendre Coefficients

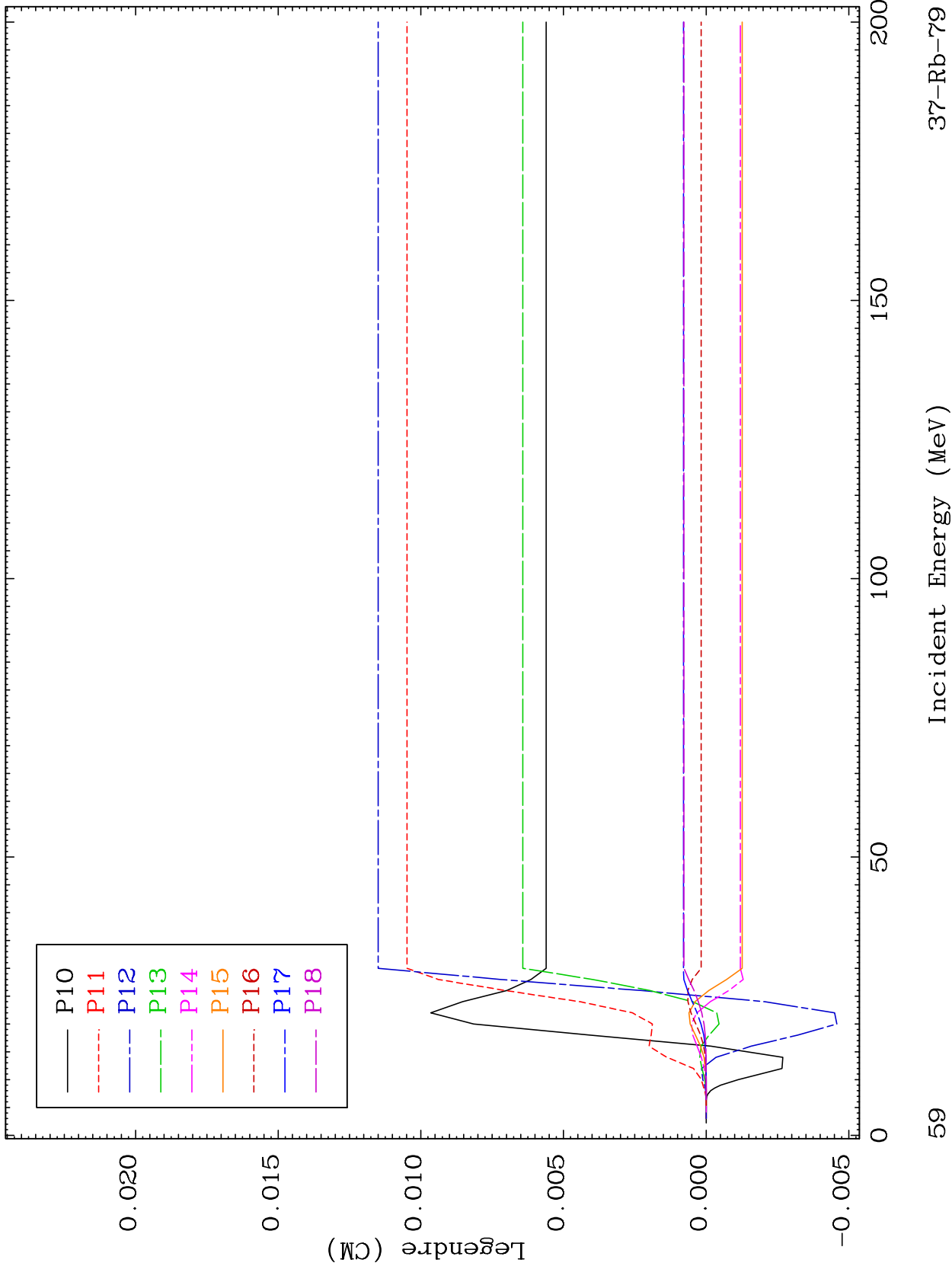
37-Rb-79



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Incident Energy (MeV)

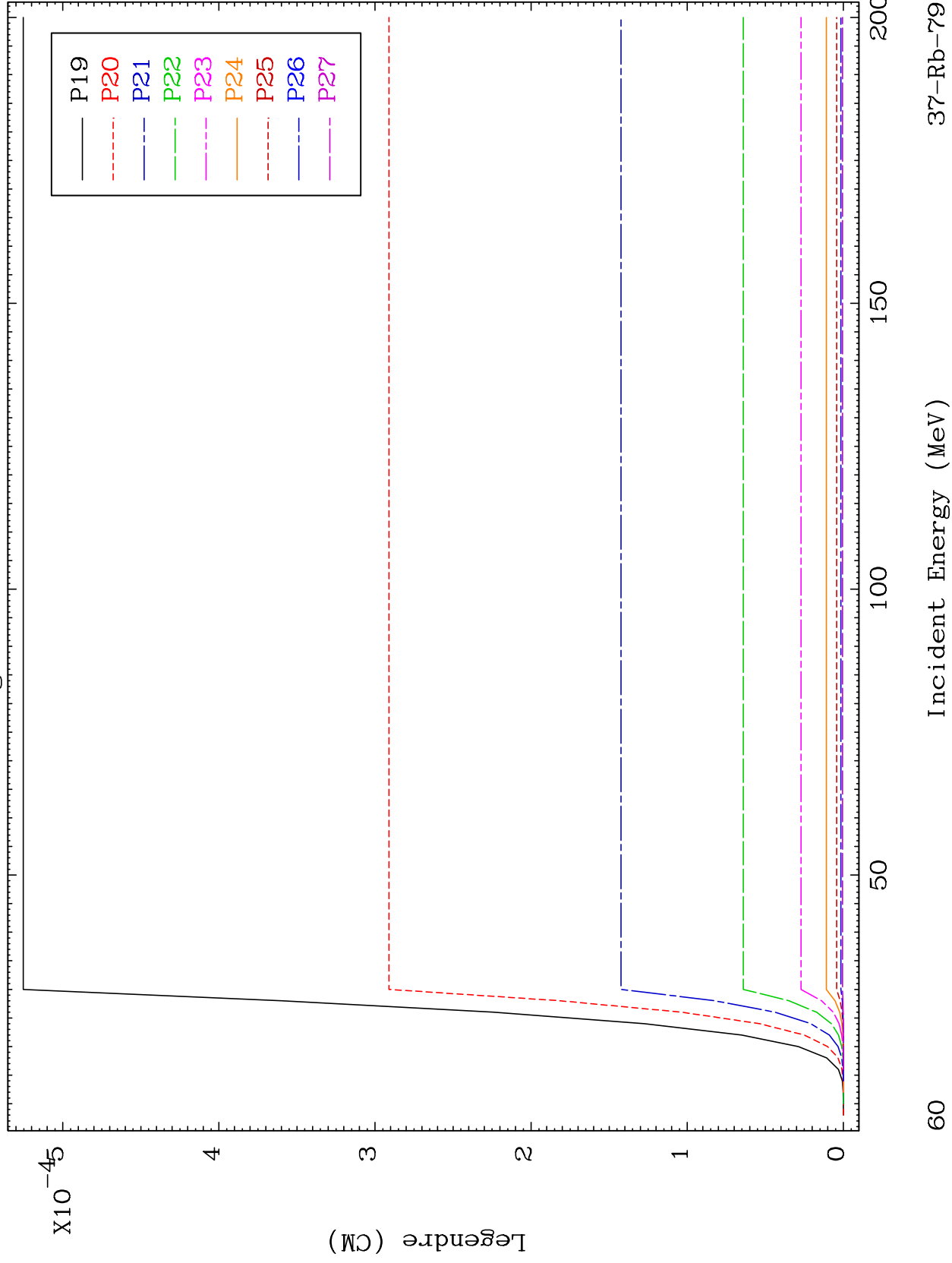
37-Rb-79



MAT 3707

525.5 keV (n,n') Level
Legendre Coefficients

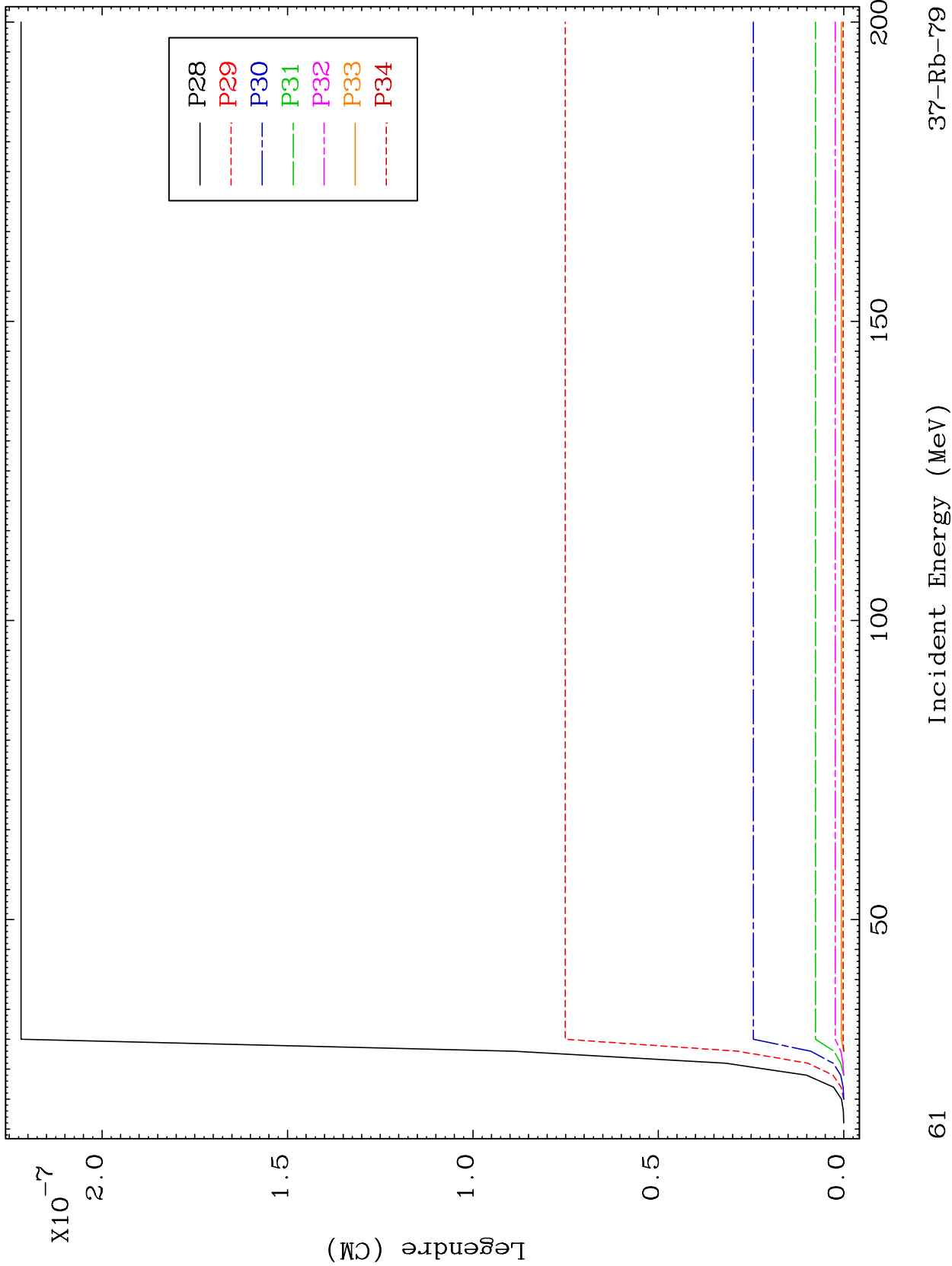
37-Rb-79



37-Rb-79

Incident Energy (MeV)

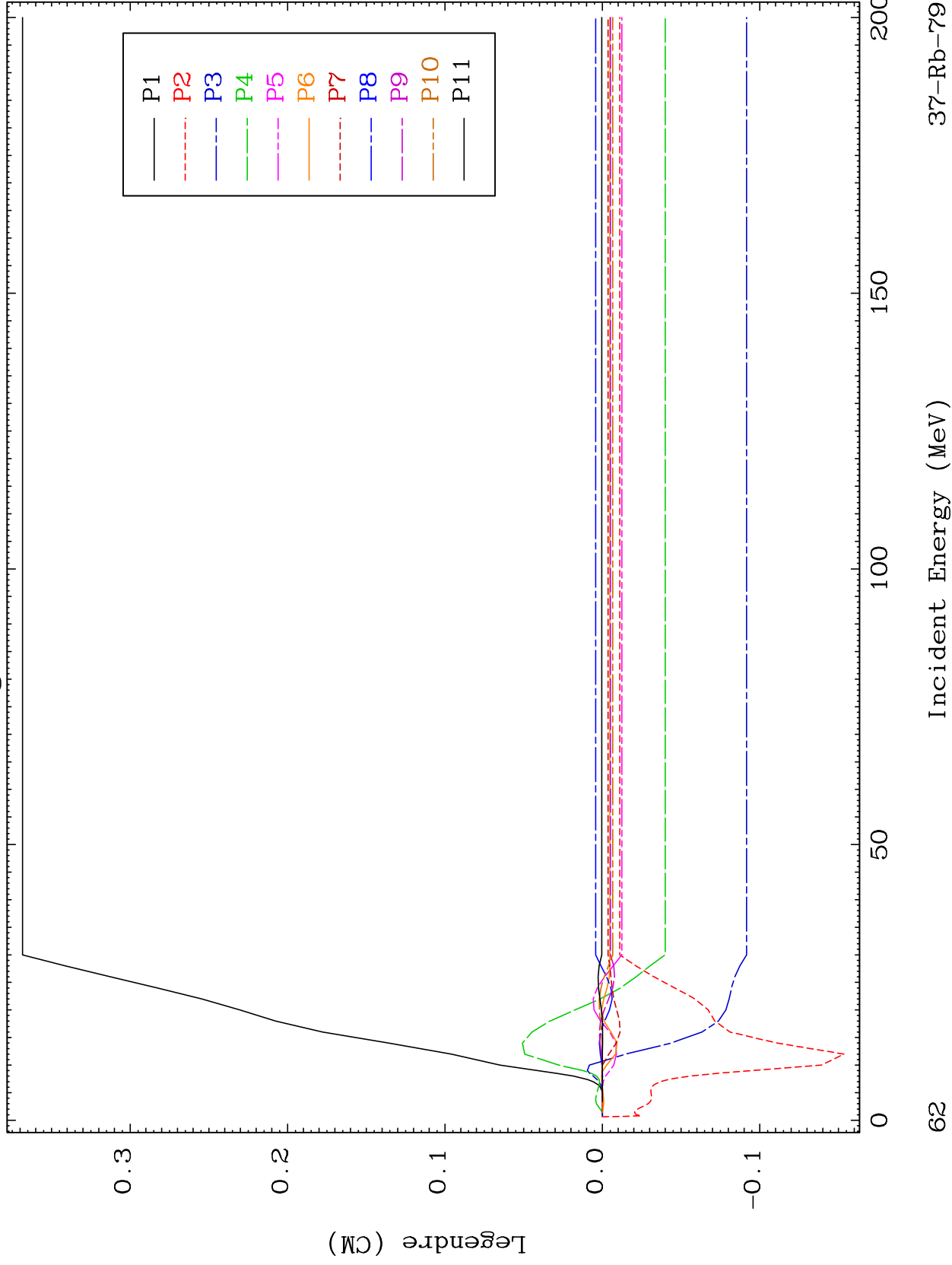
60



MAT 3707

597.6 keV (n,n') Level
Legendre Coefficients

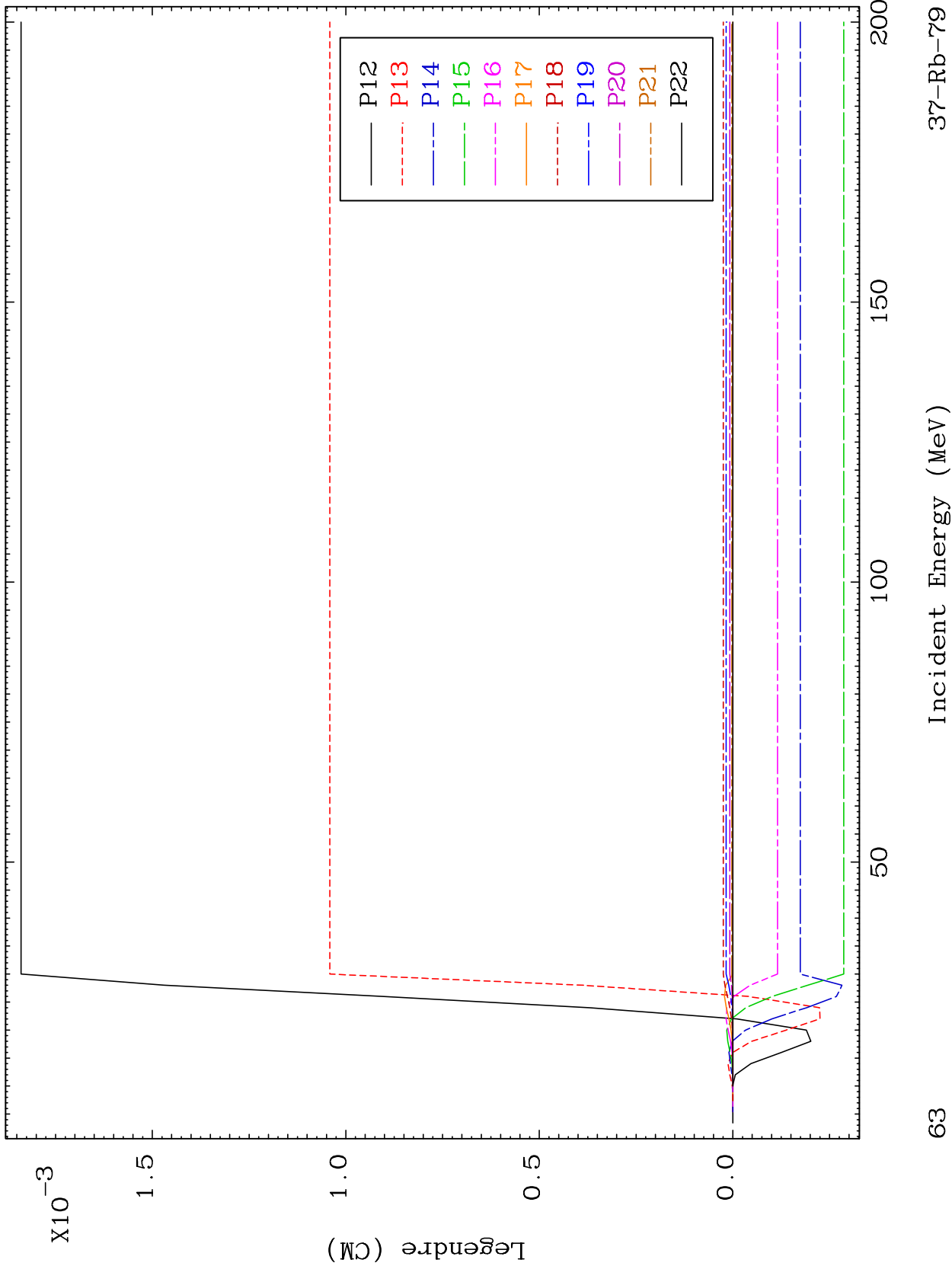
37-Rb-79



37-Rb-79

Incident Energy (MeV)

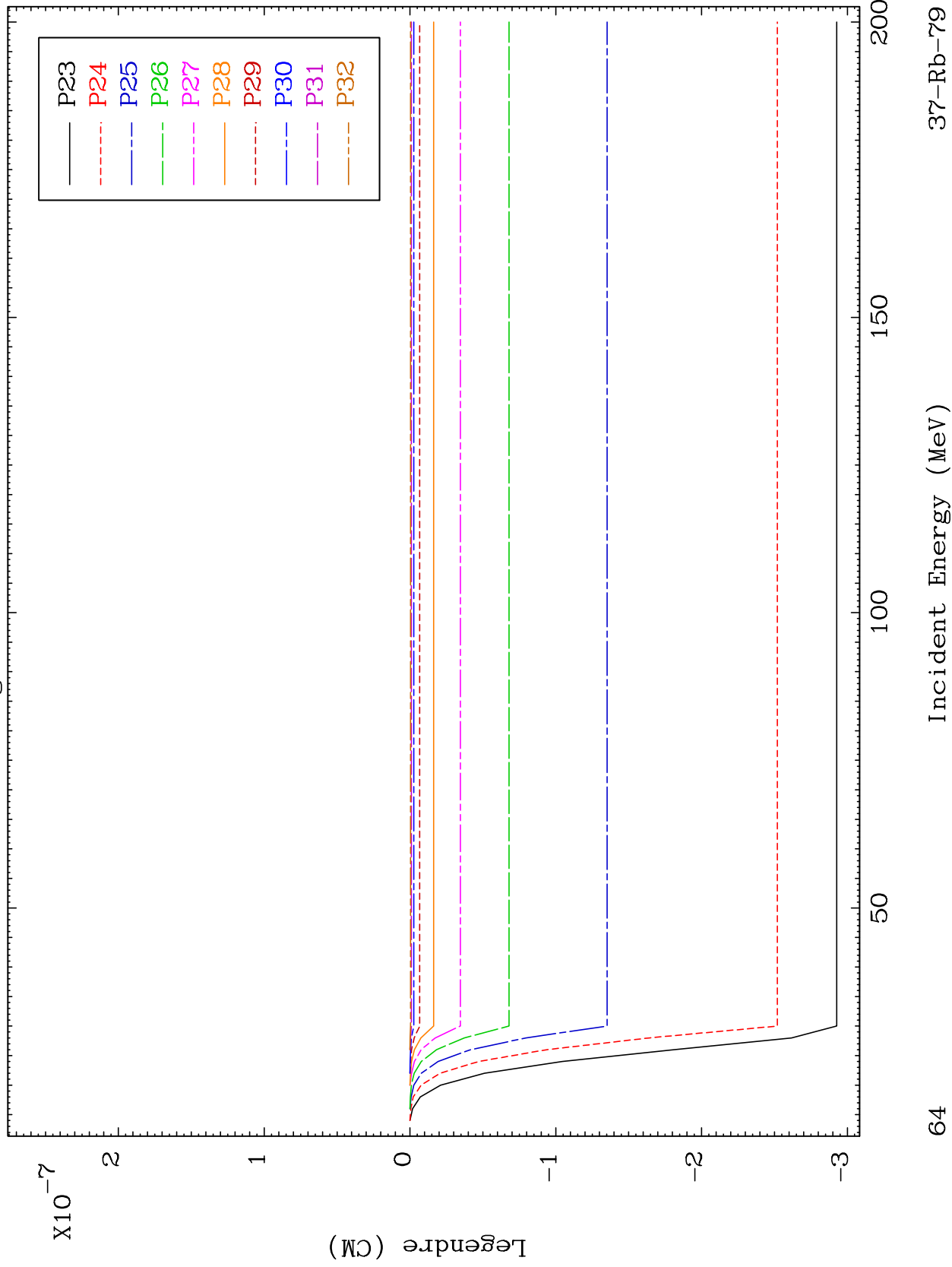
62



MAT 3707

597.6 keV (n,n') Level
Legendre Coefficients

37-Rb-79



64

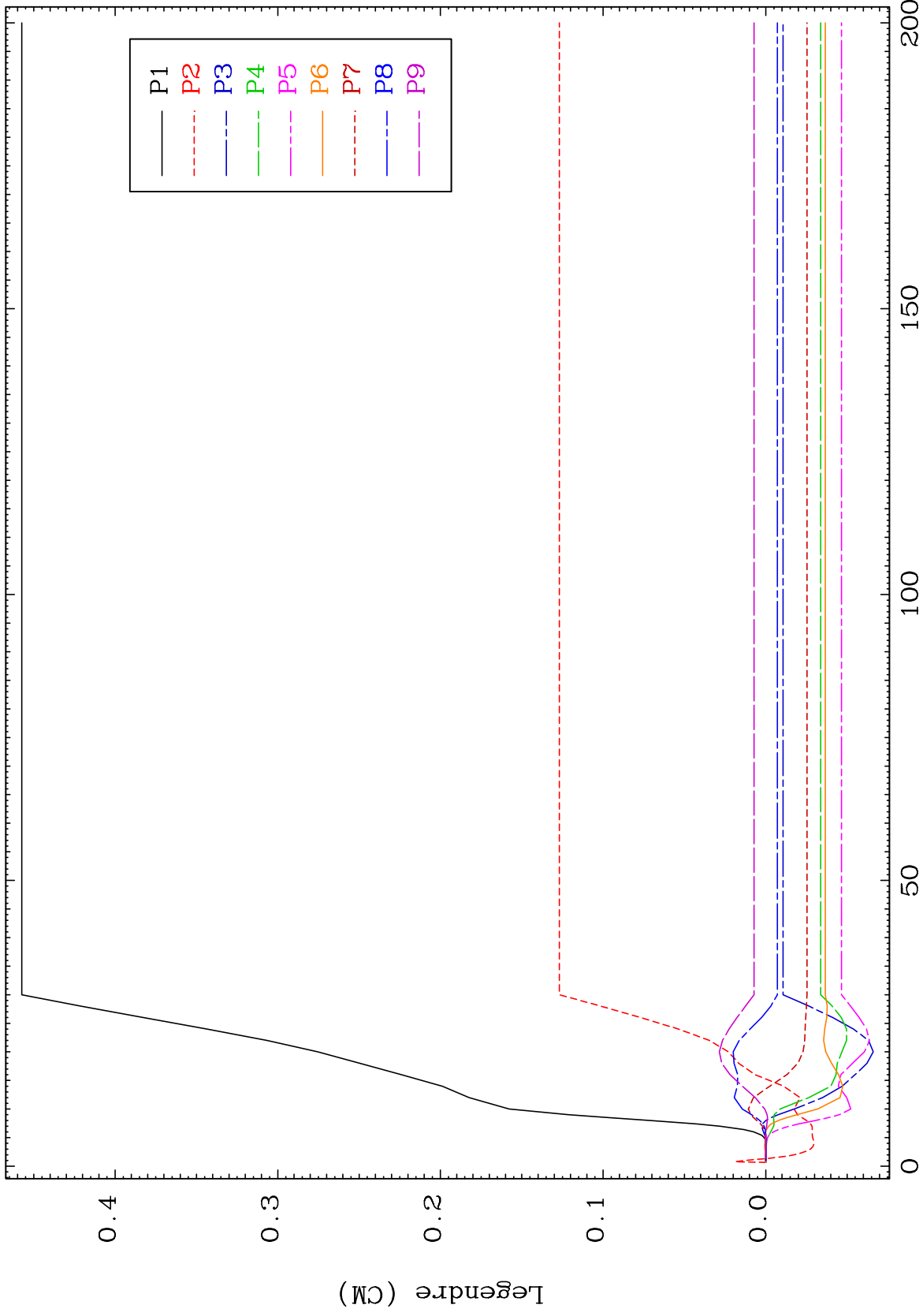
Incident Energy (MeV)

37-Rb-79

MAT 3707

643.9 keV (n,n') Level
Legendre Coefficients

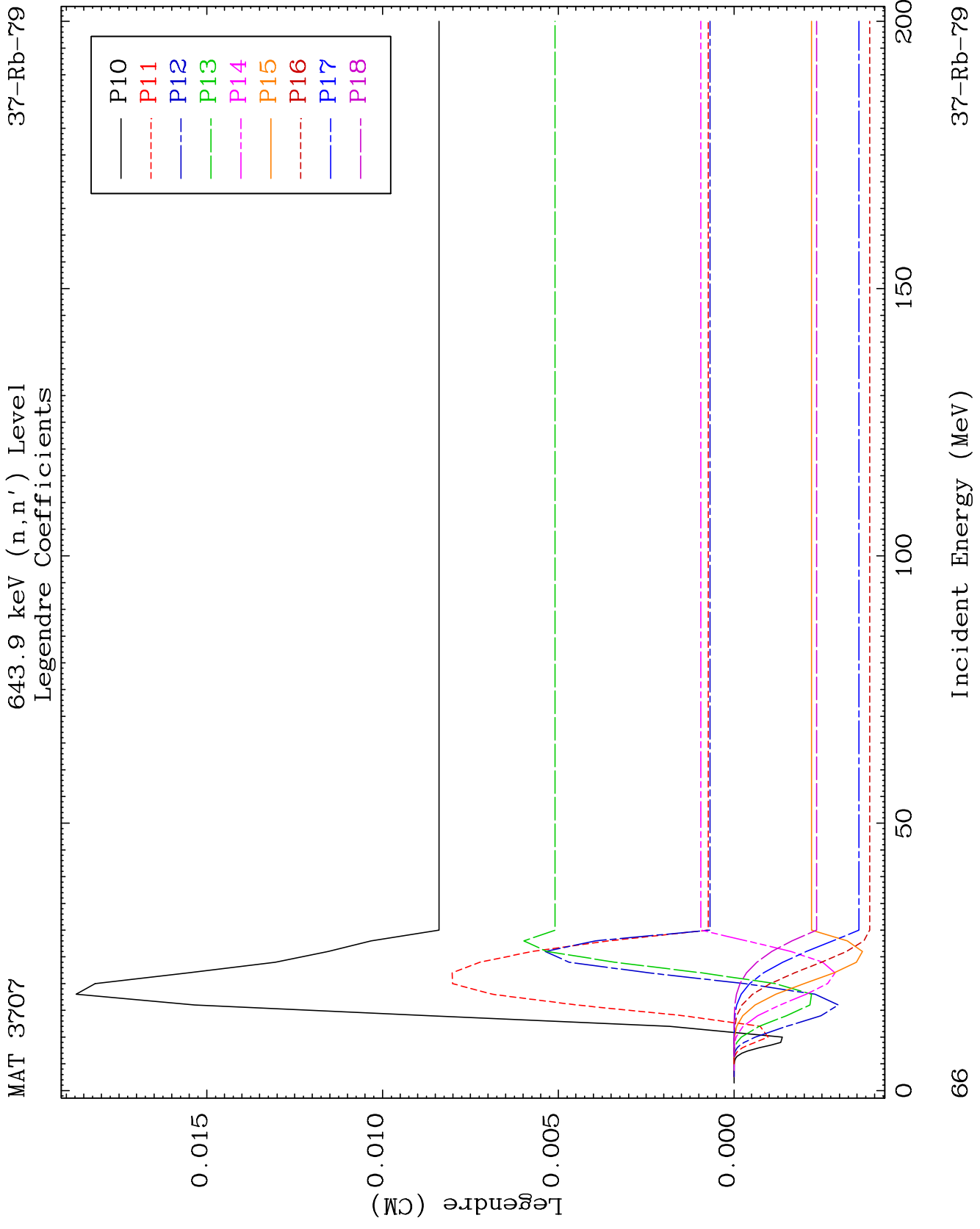
37-Rb-79

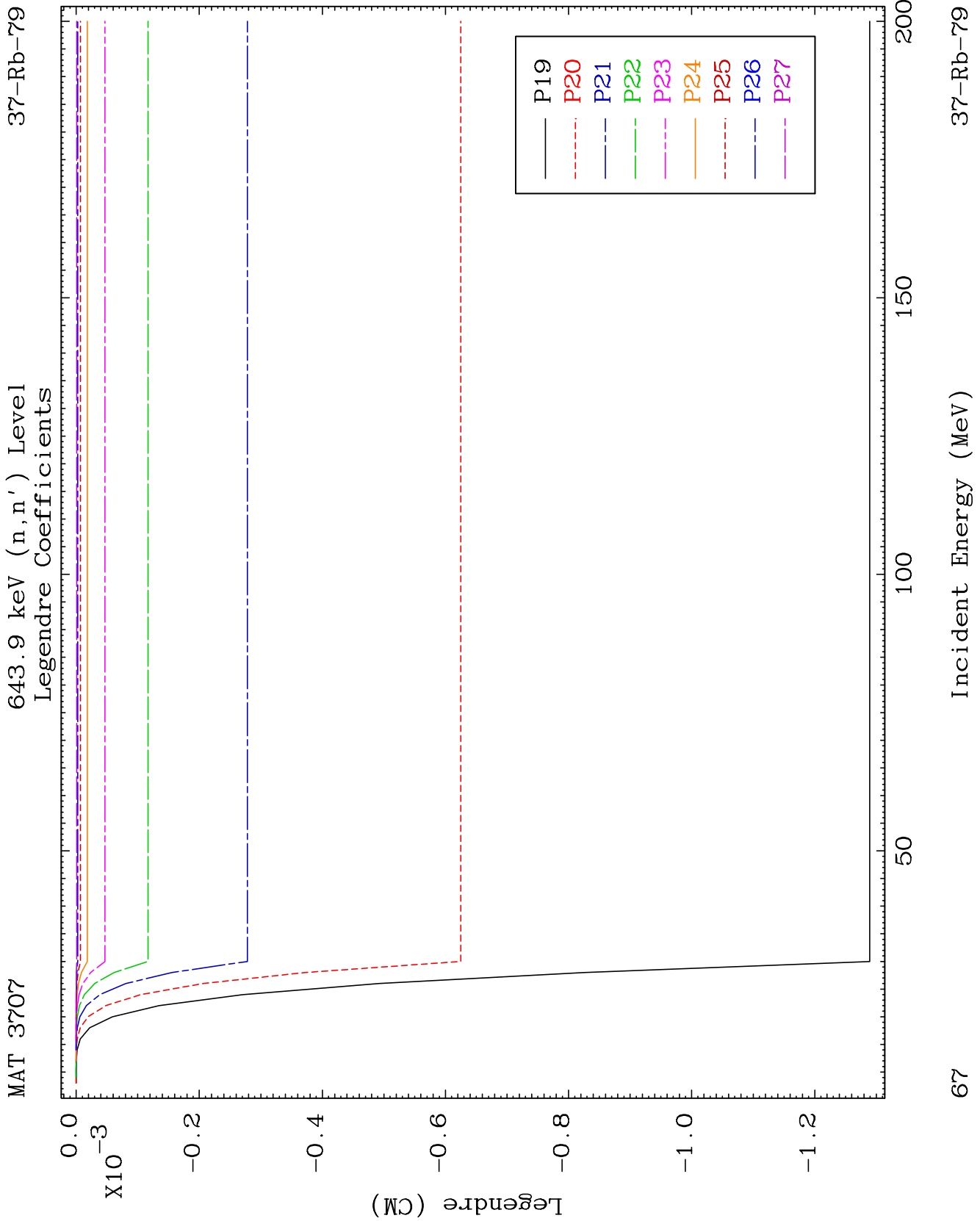


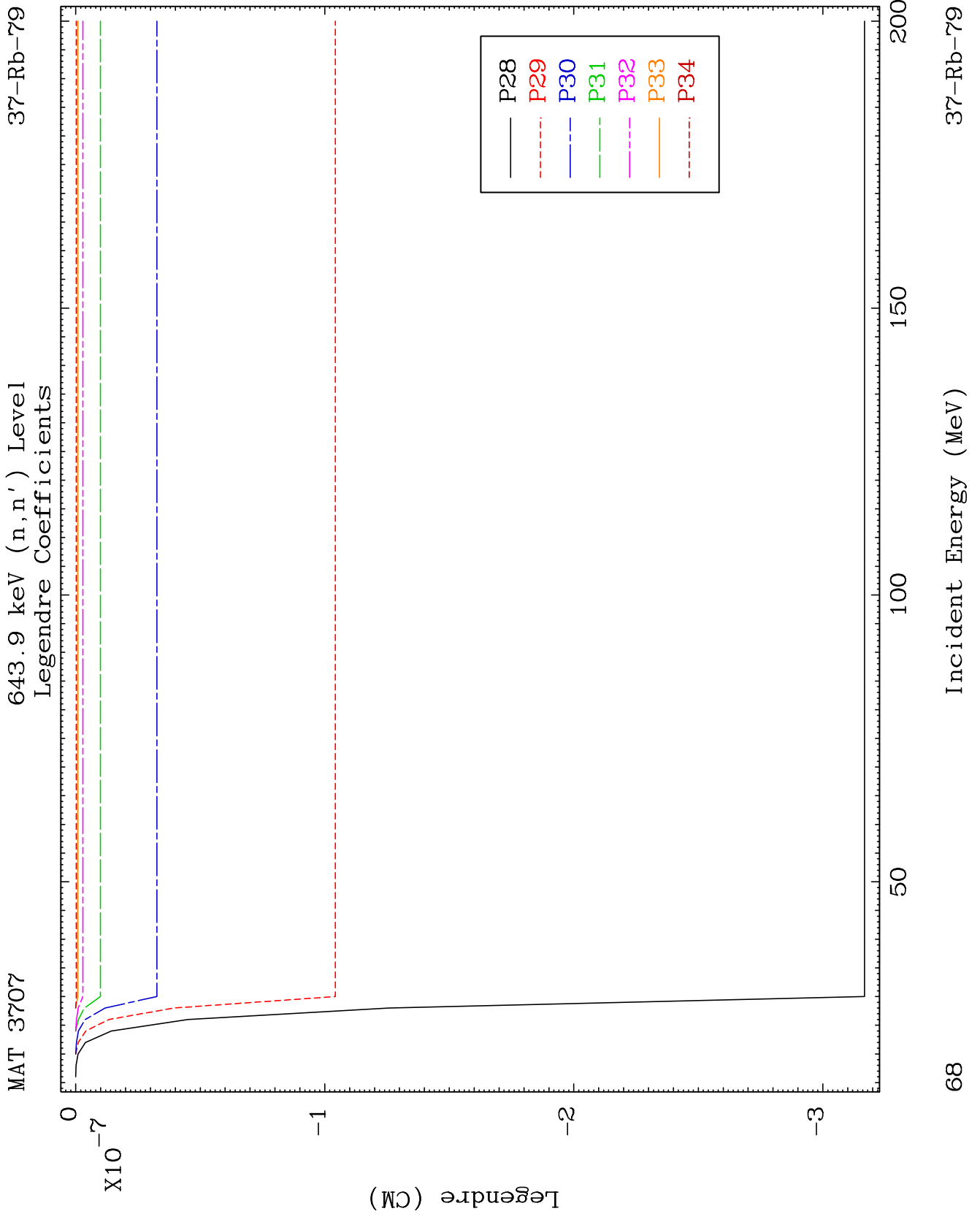
65

Incident Energy (MeV)

37-Rb-79



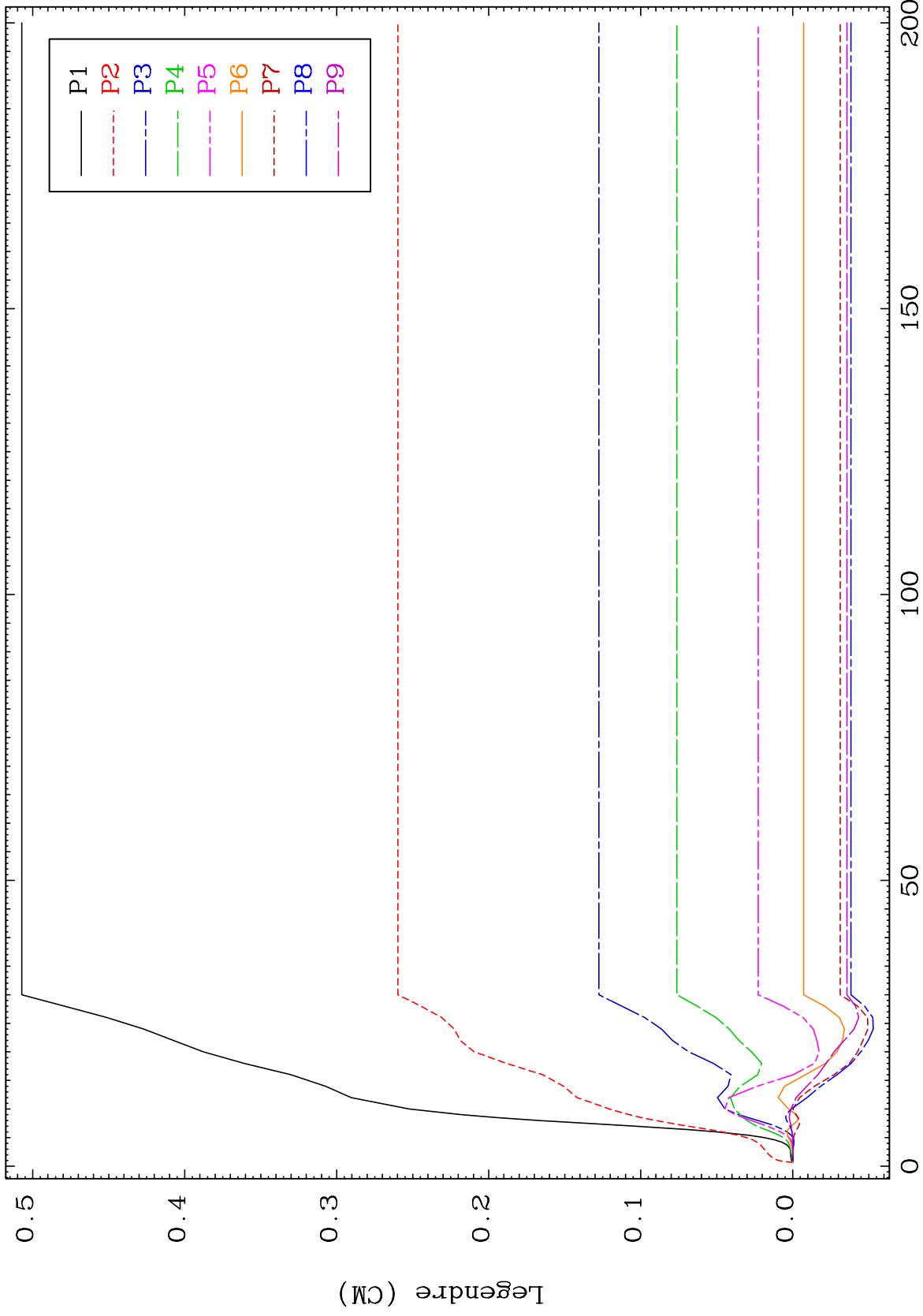




MAT 3707

645.0 keV (n,n') Level
Legendre Coefficients

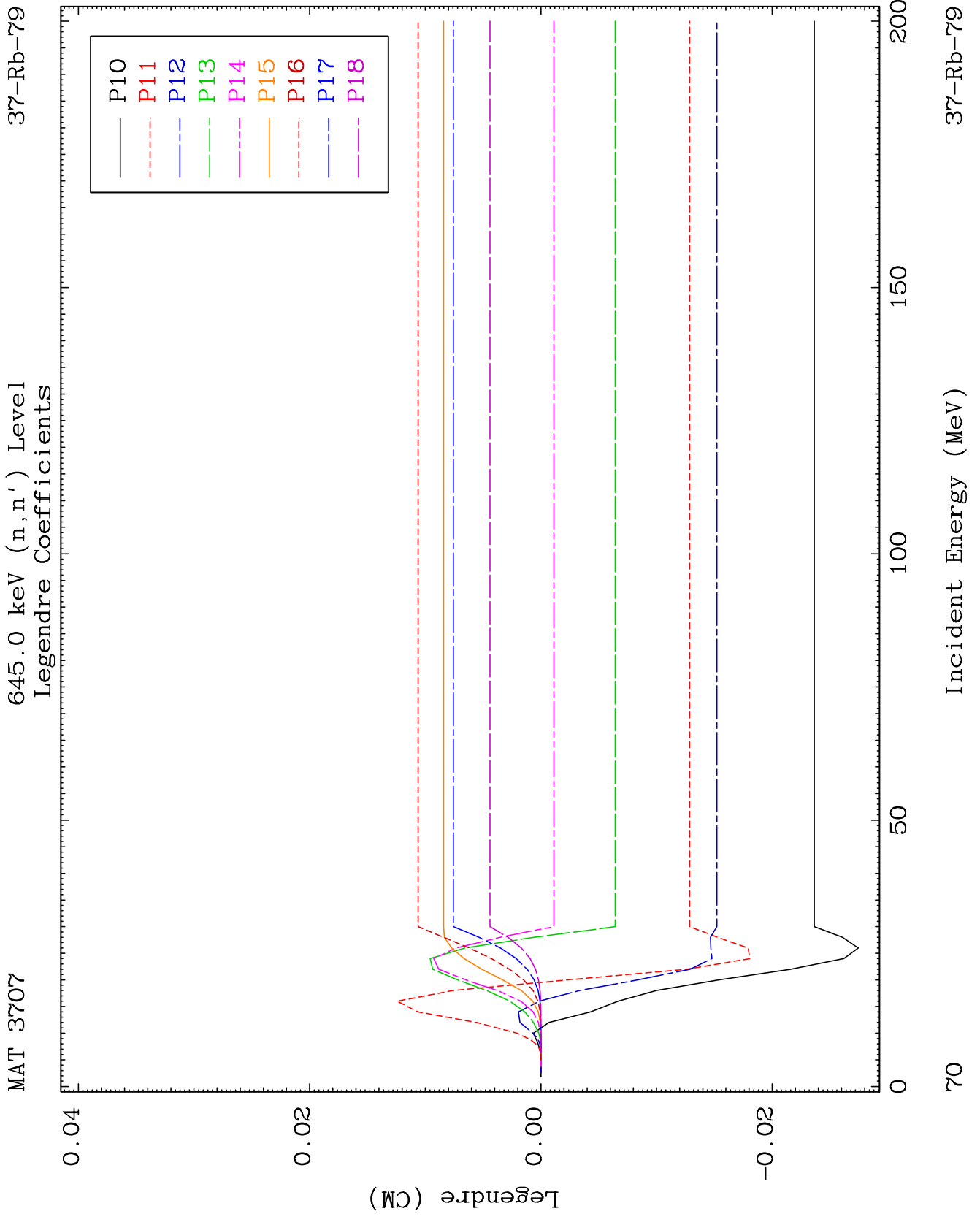
37-Rb-79



69

Incident Energy (MeV)

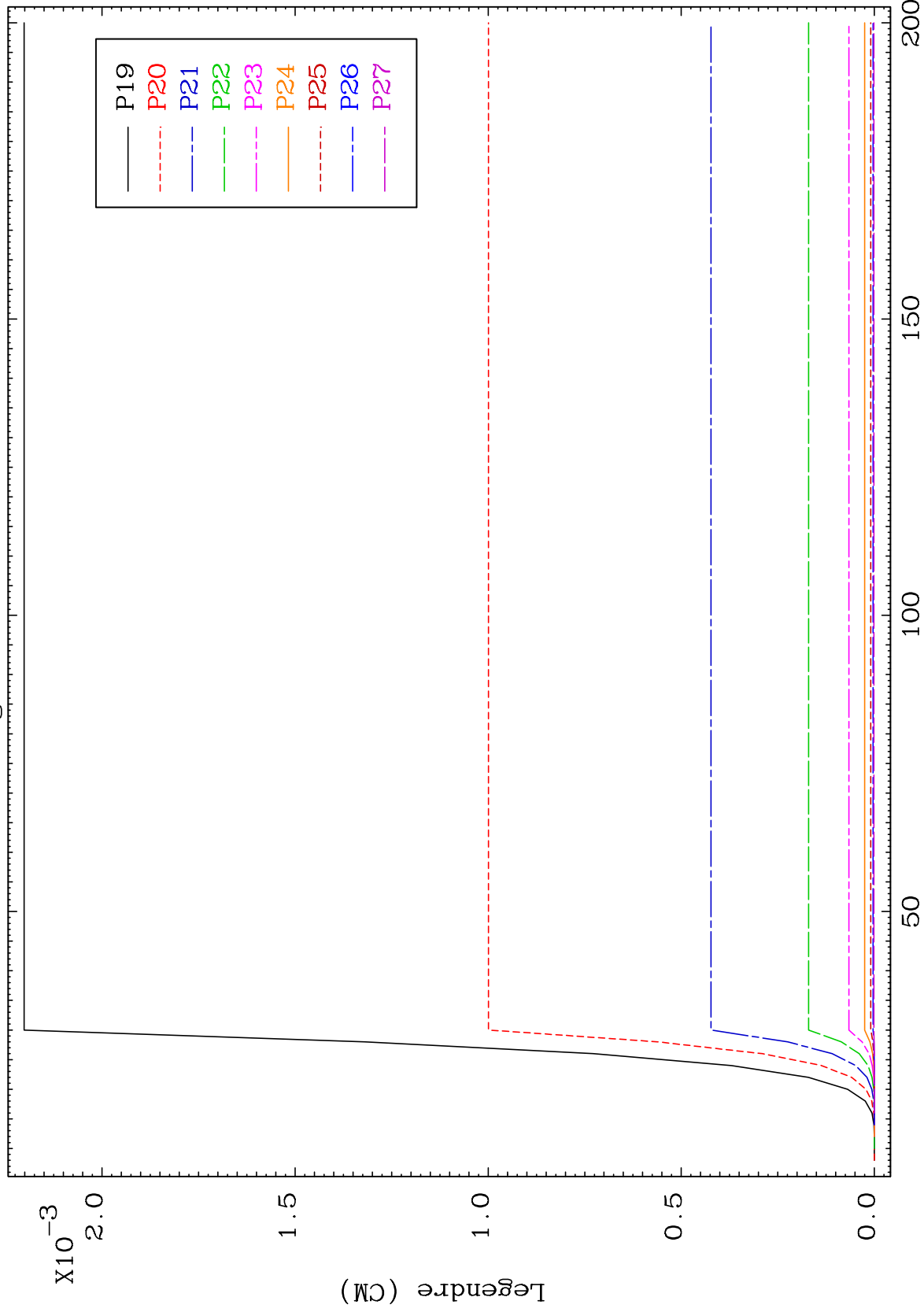
37-Rb-79



MAT 3707

645.0 keV (n,n') Level
Legendre Coefficients

37-Rb-79



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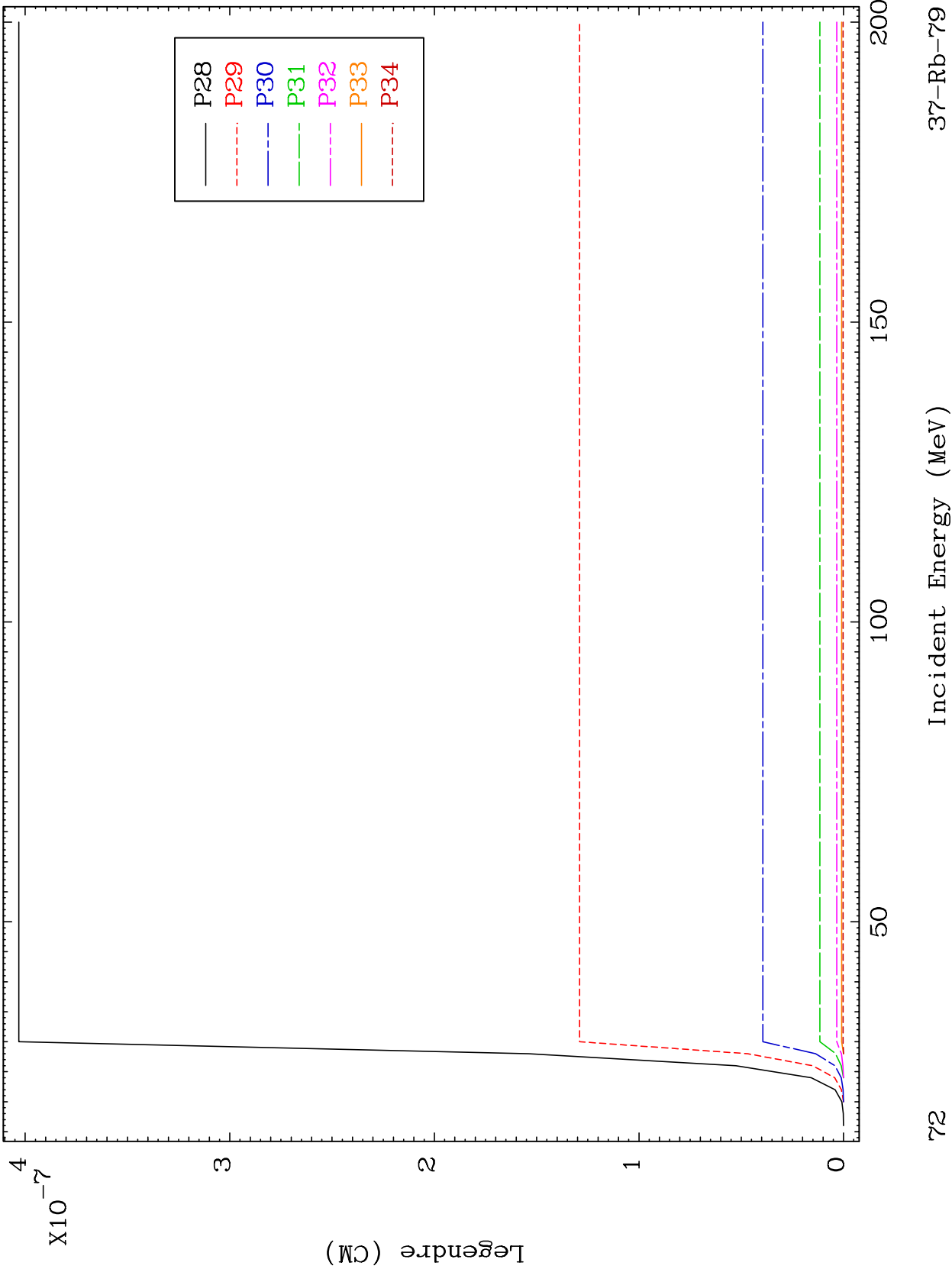
Incident Energy (MeV)

37-Rb-79

MAT 3707

645.0 keV (n,n') Level
Legendre Coefficients

37-Rb-79



72

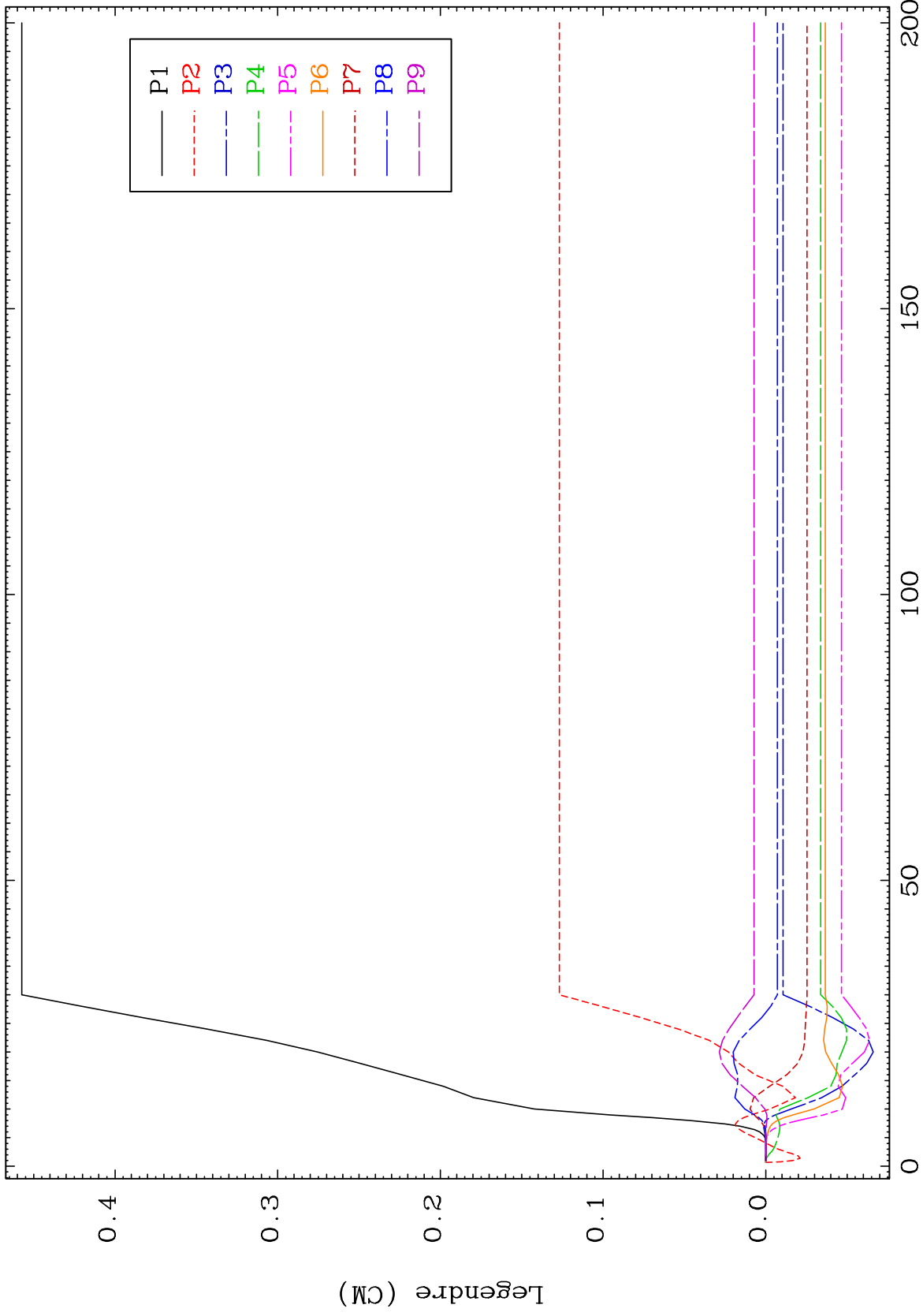
Incident Energy (MeV)

37-Rb-79

MAT 3707

651.7 keV (n,n') Level
Legendre Coefficients

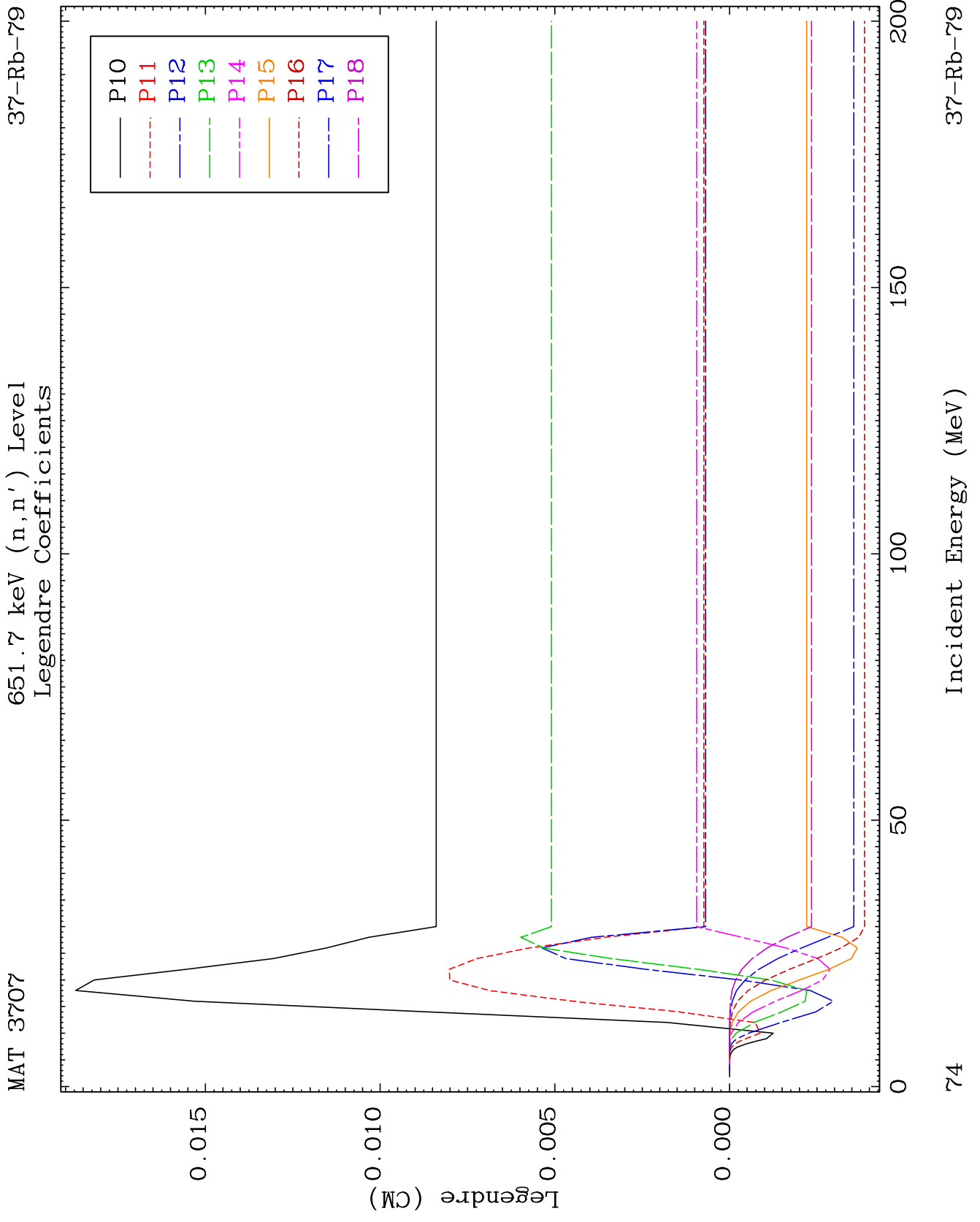
37-Rb-79

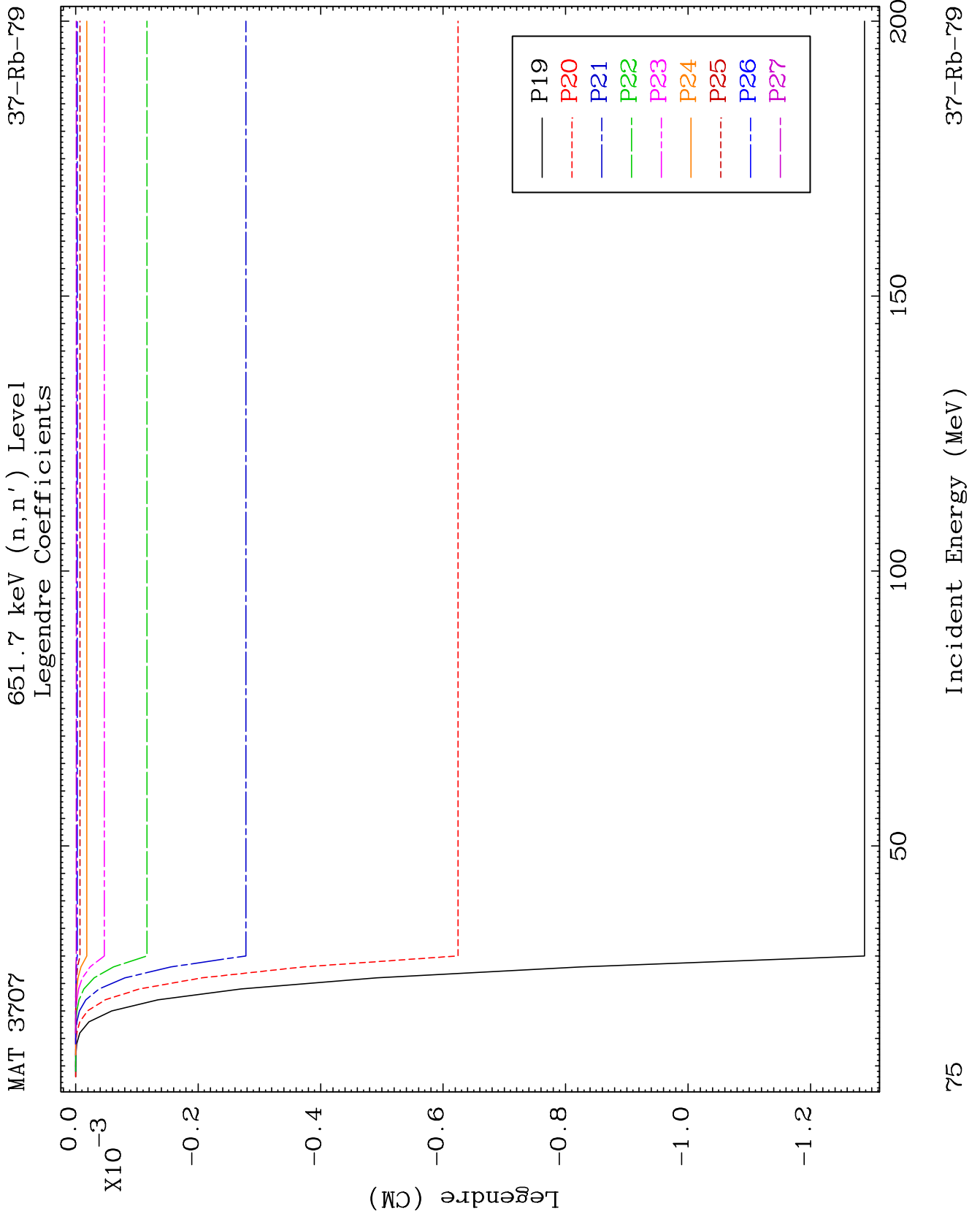


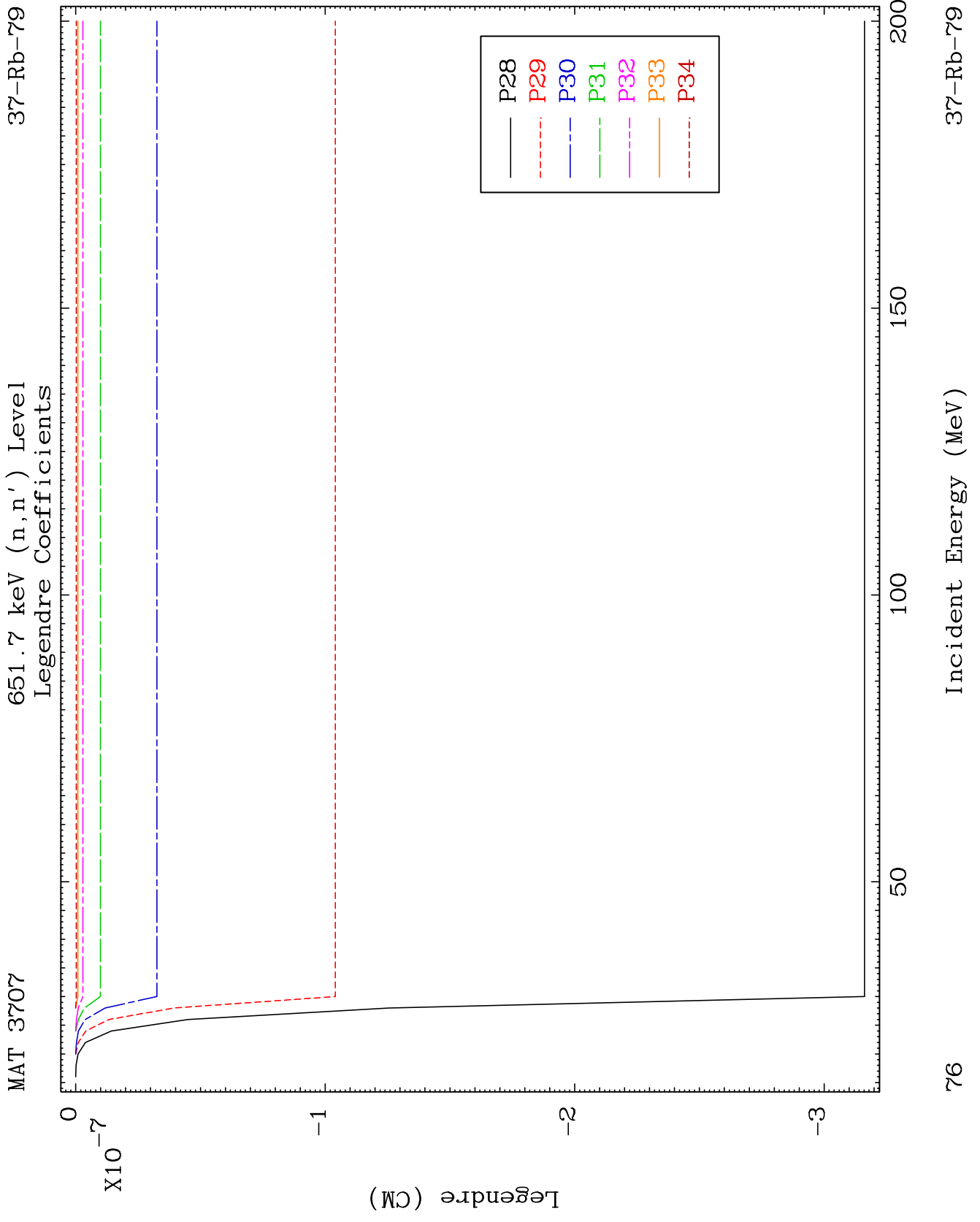
73

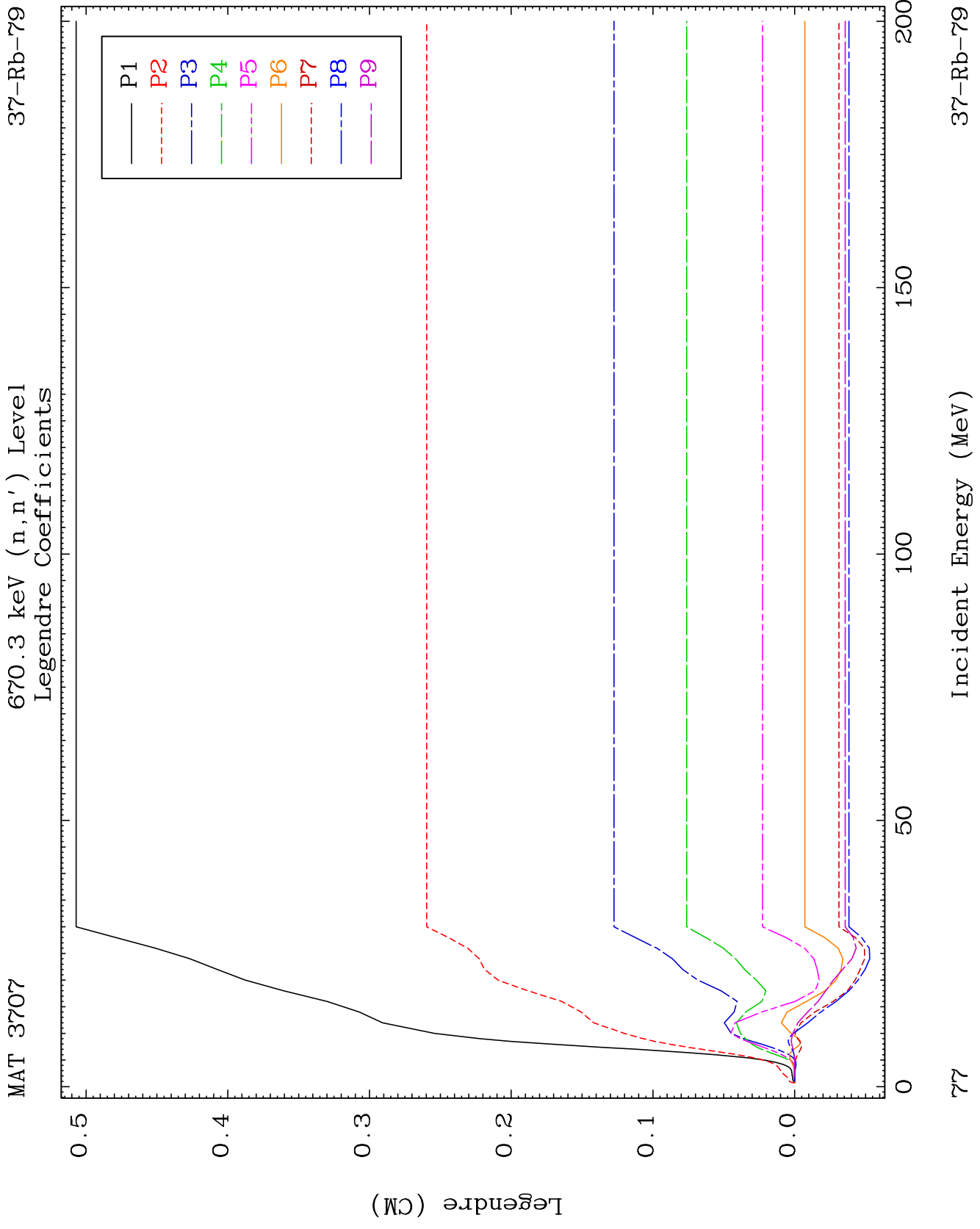
Incident Energy (MeV)

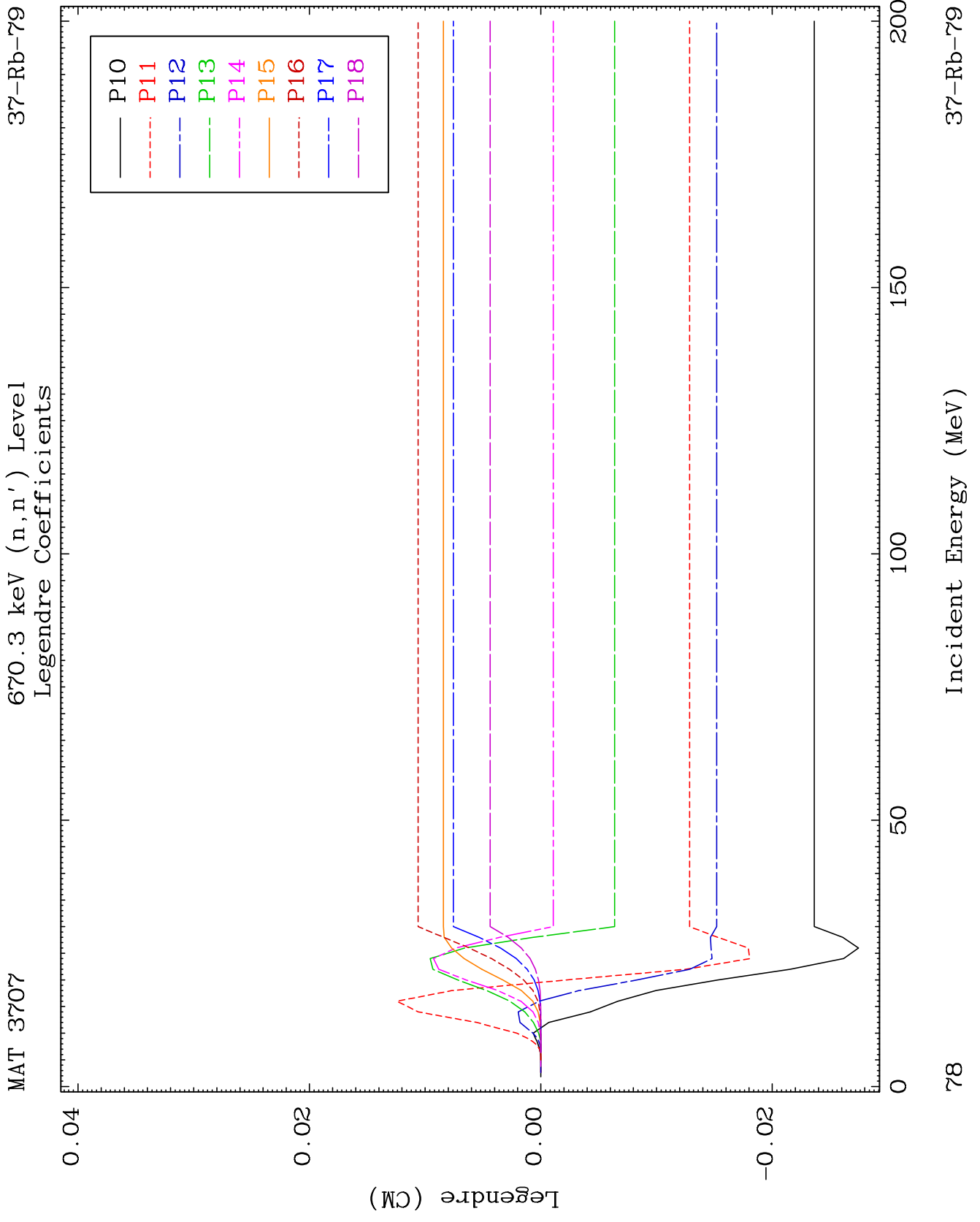
37-Rb-79







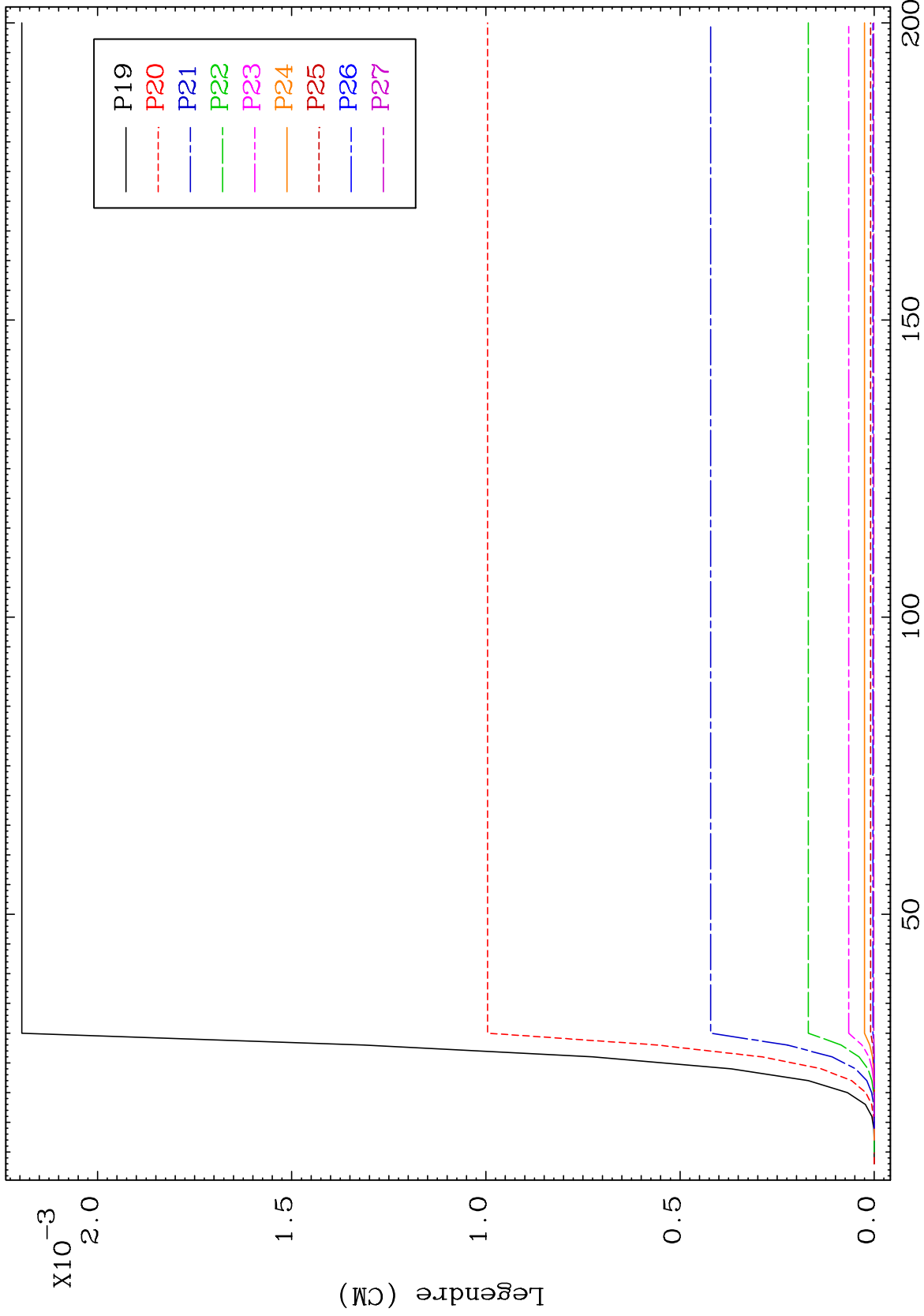




MAT 3707

670.3 keV (n,n') Level
Legendre Coefficients

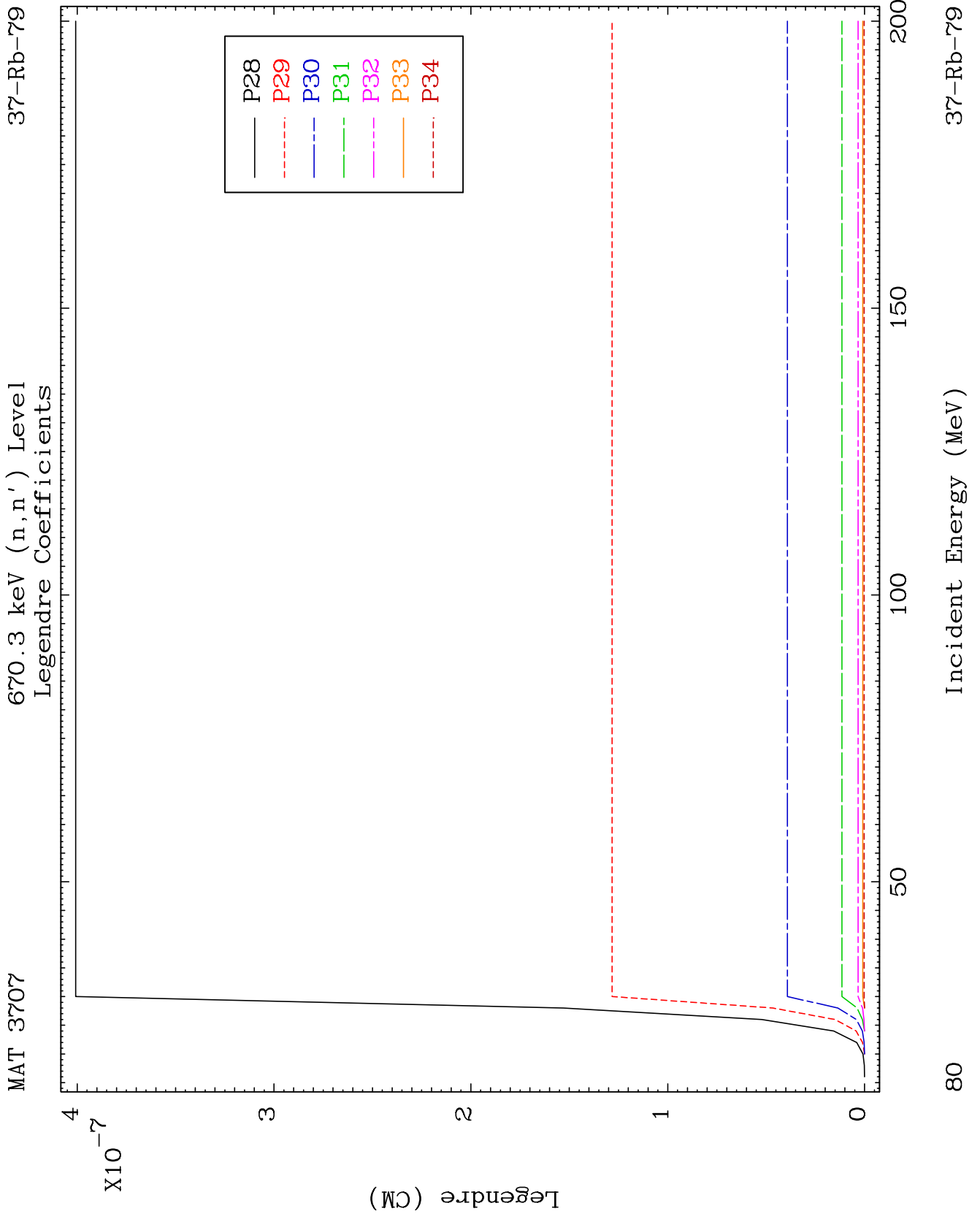
37-Rb-79

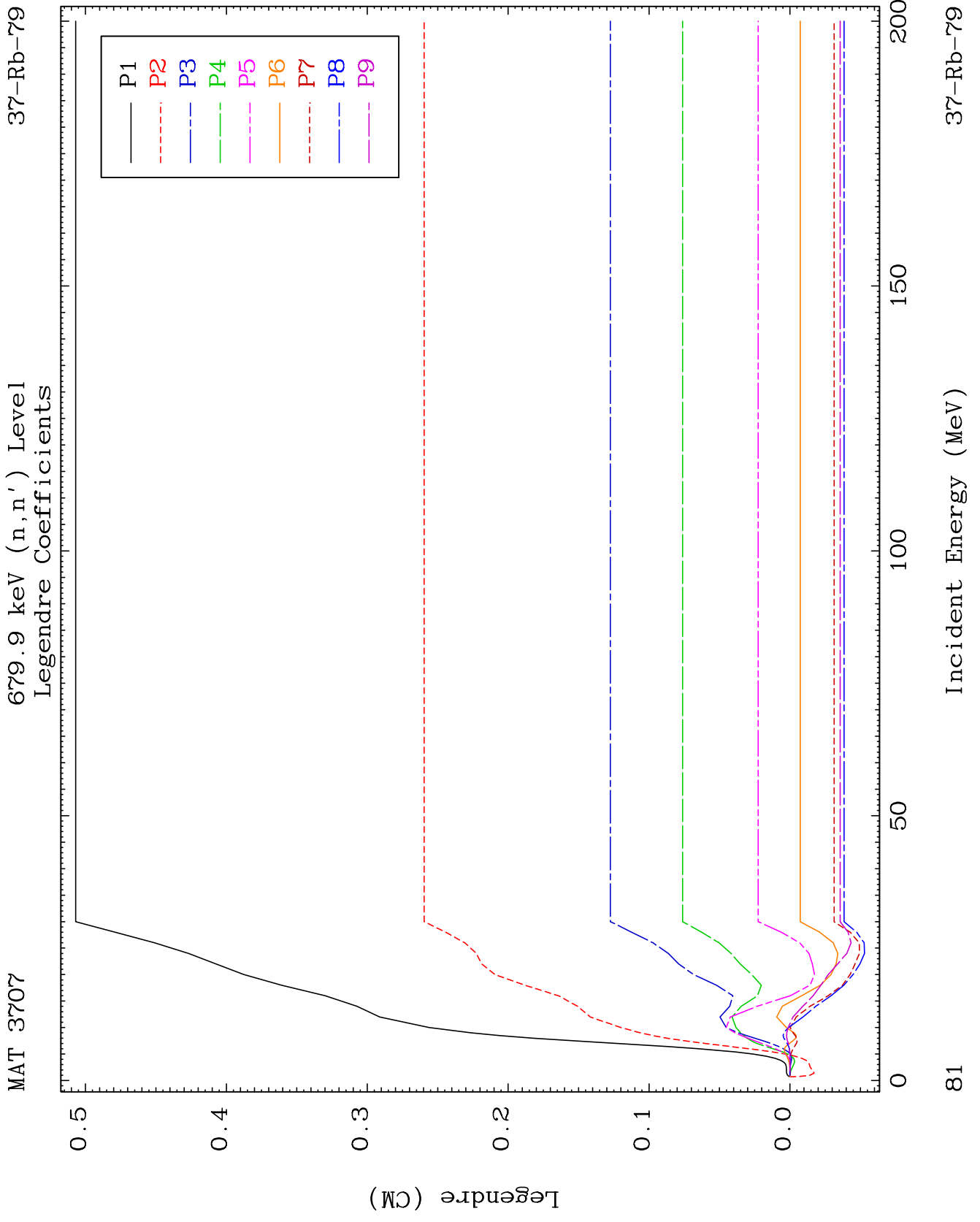


79

Incident Energy (MeV)

37-Rb-79

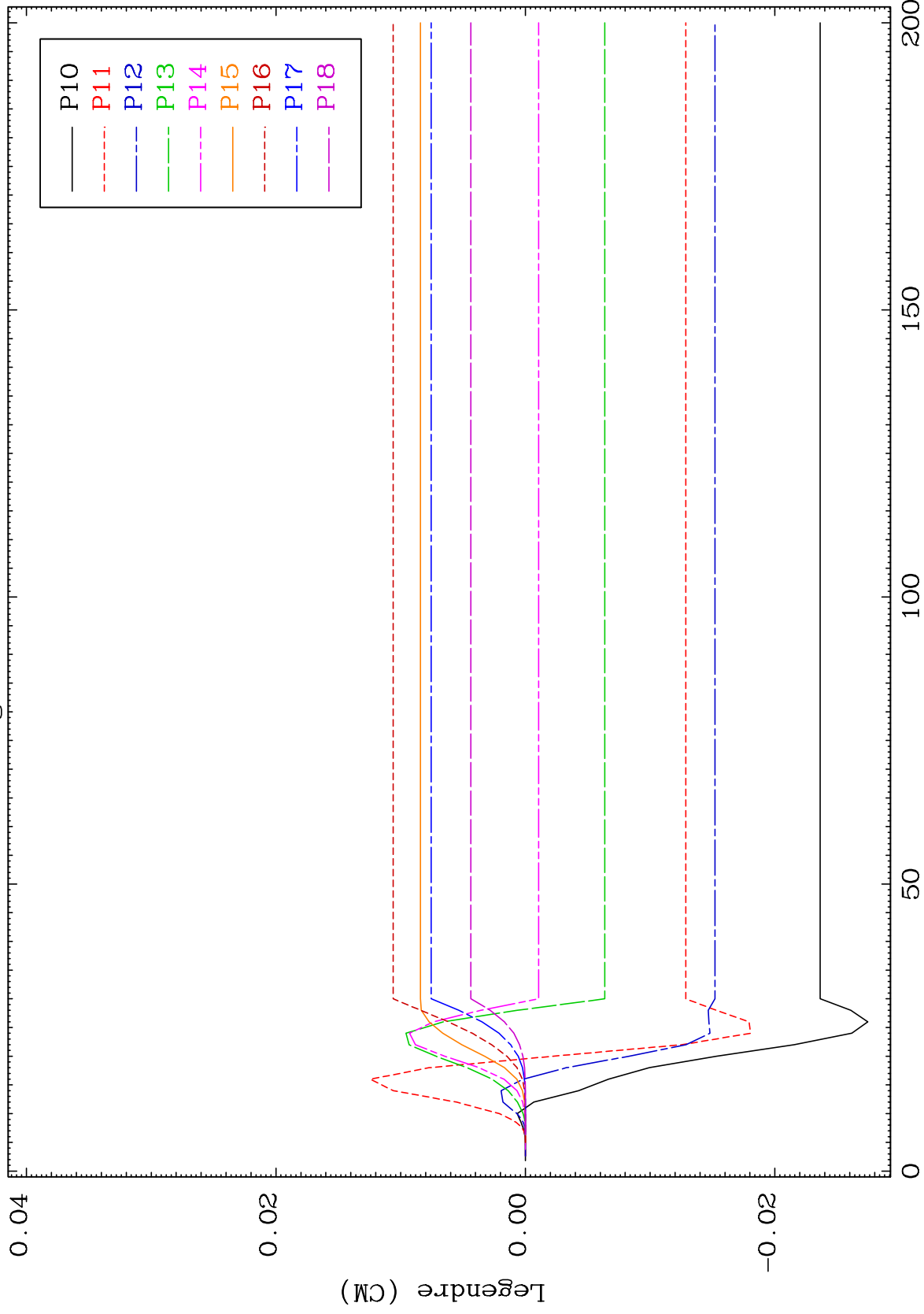




MAT 3707

679.9 keV (n,n') Level
Legendre Coefficients

37-Rb-79



82

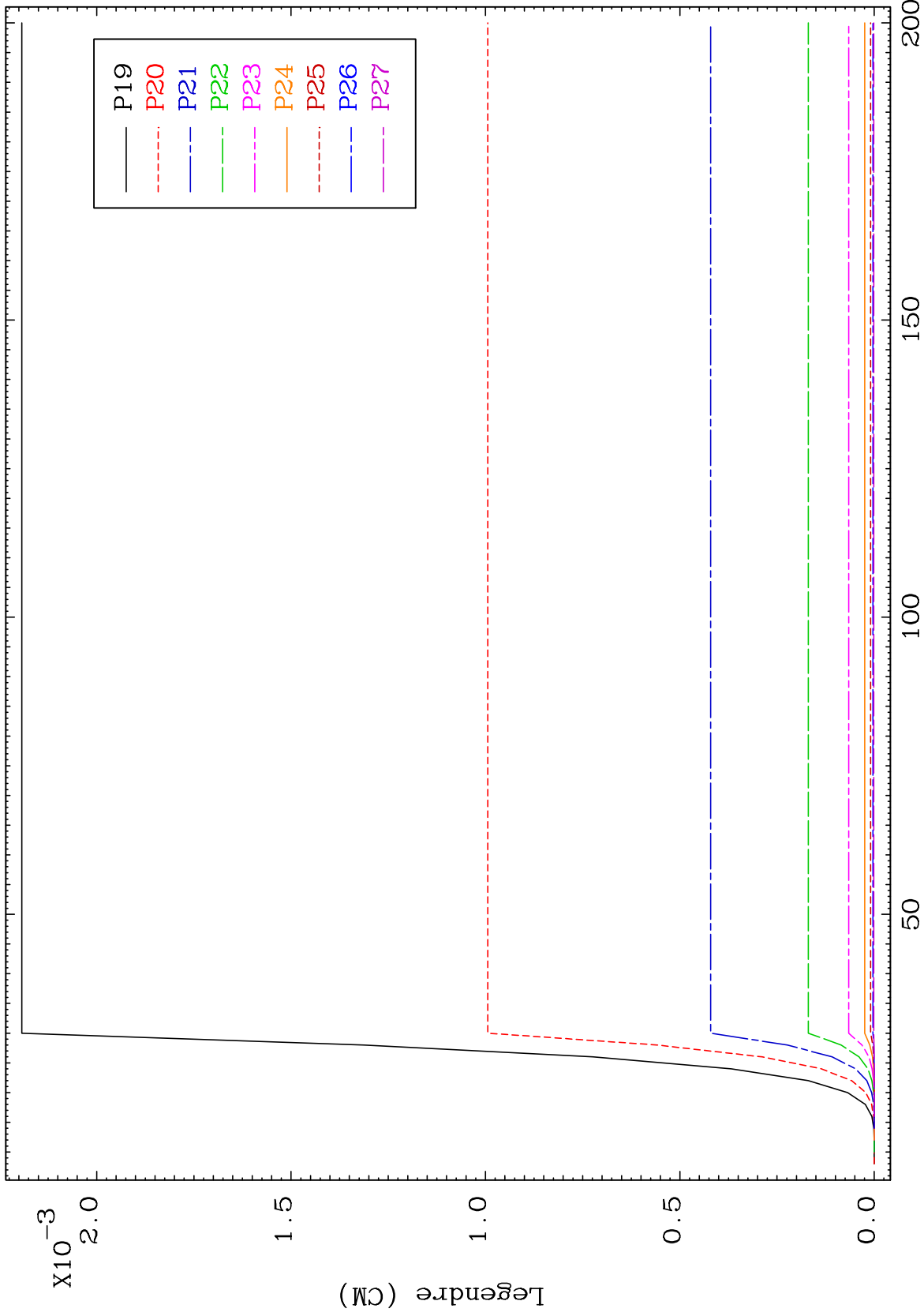
Incident Energy (MeV)

37-Rb-79

MAT 3707

679.9 keV (n,n') Level
Legendre Coefficients

37-Rb-79



83

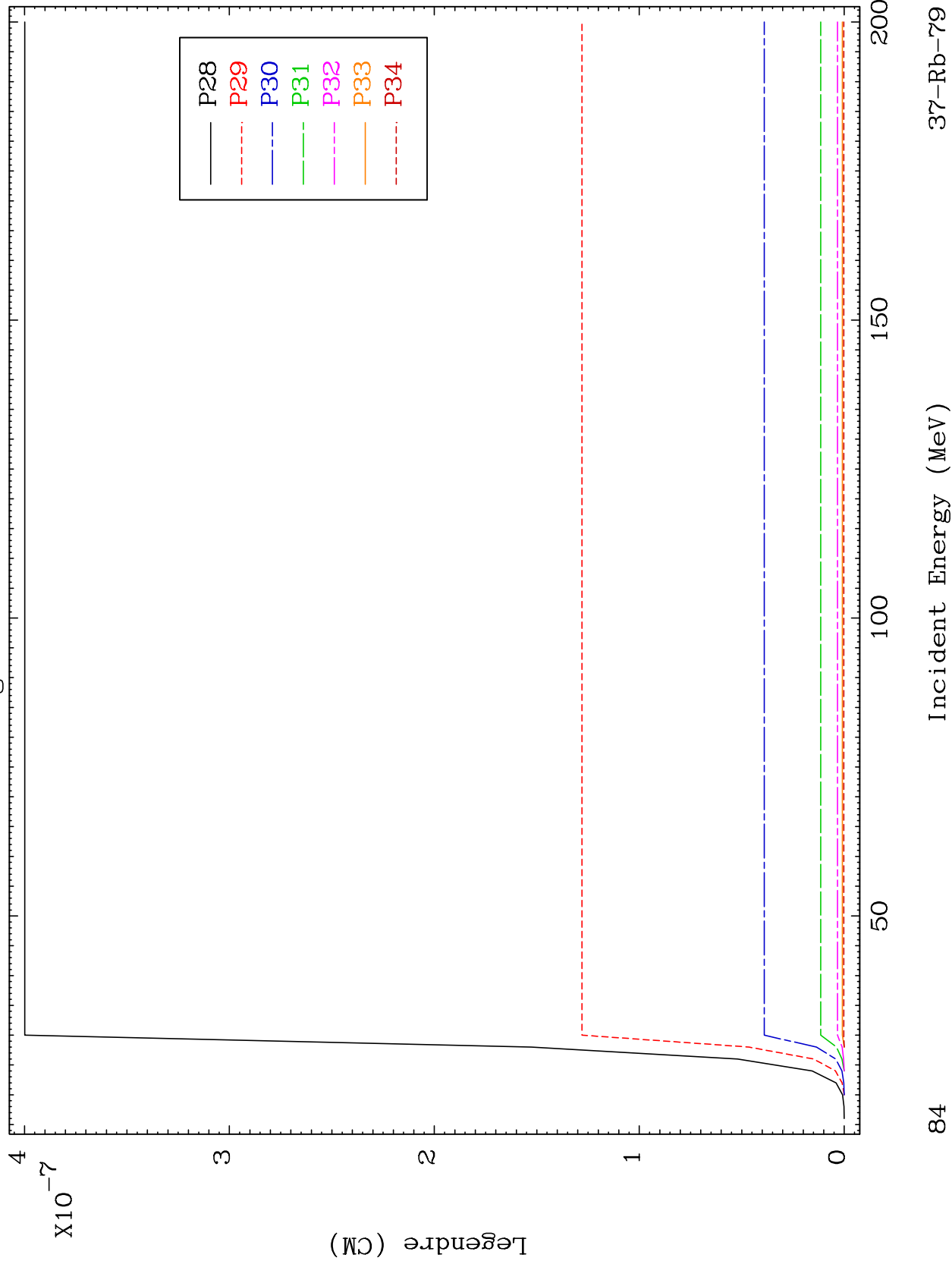
Incident Energy (MeV)

37-Rb-79

MAT 3707

679.9 keV (n,n') Level
Legendre Coefficients

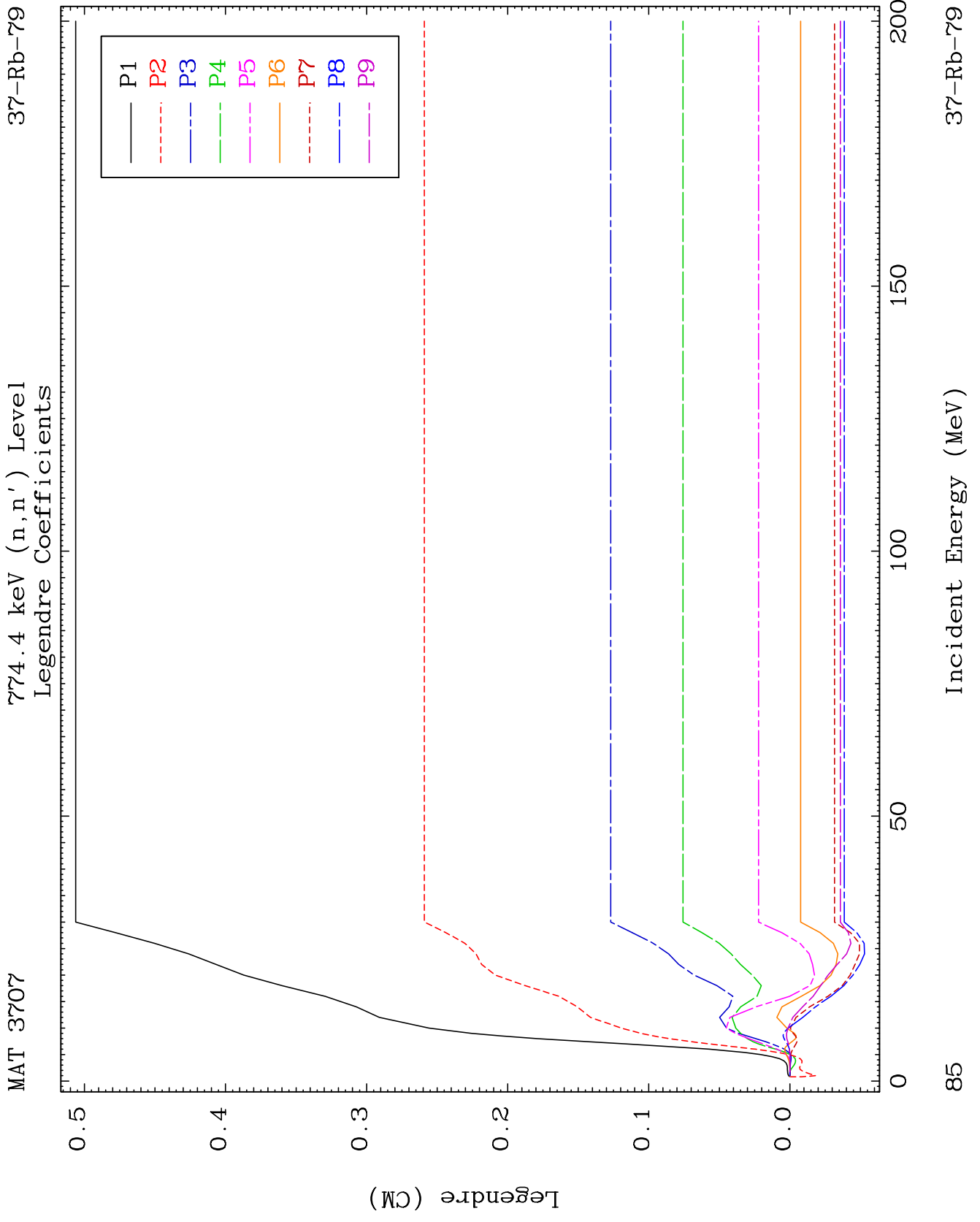
37-Rb-79

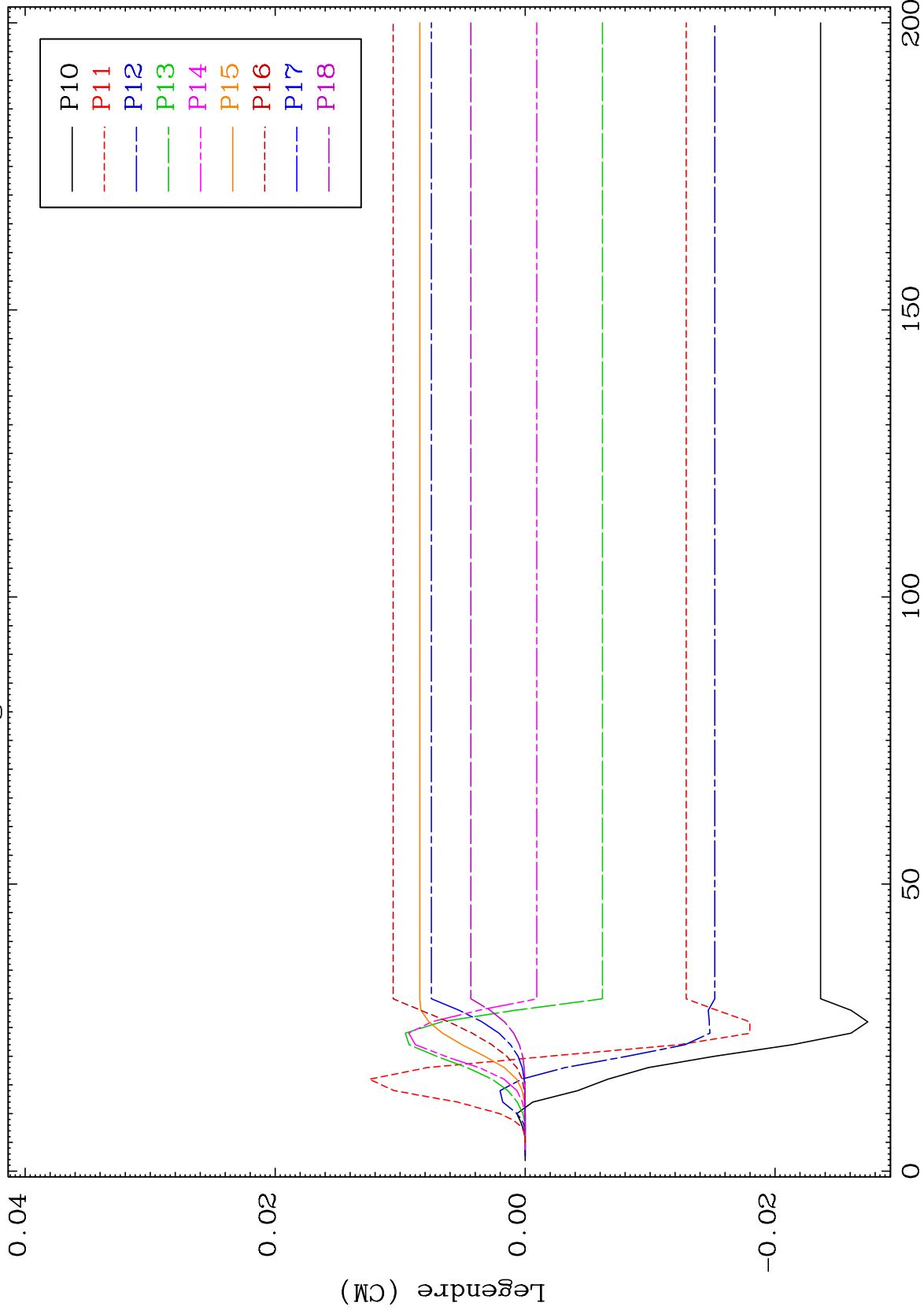


84

Incident Energy (MeV)

37-Rb-79

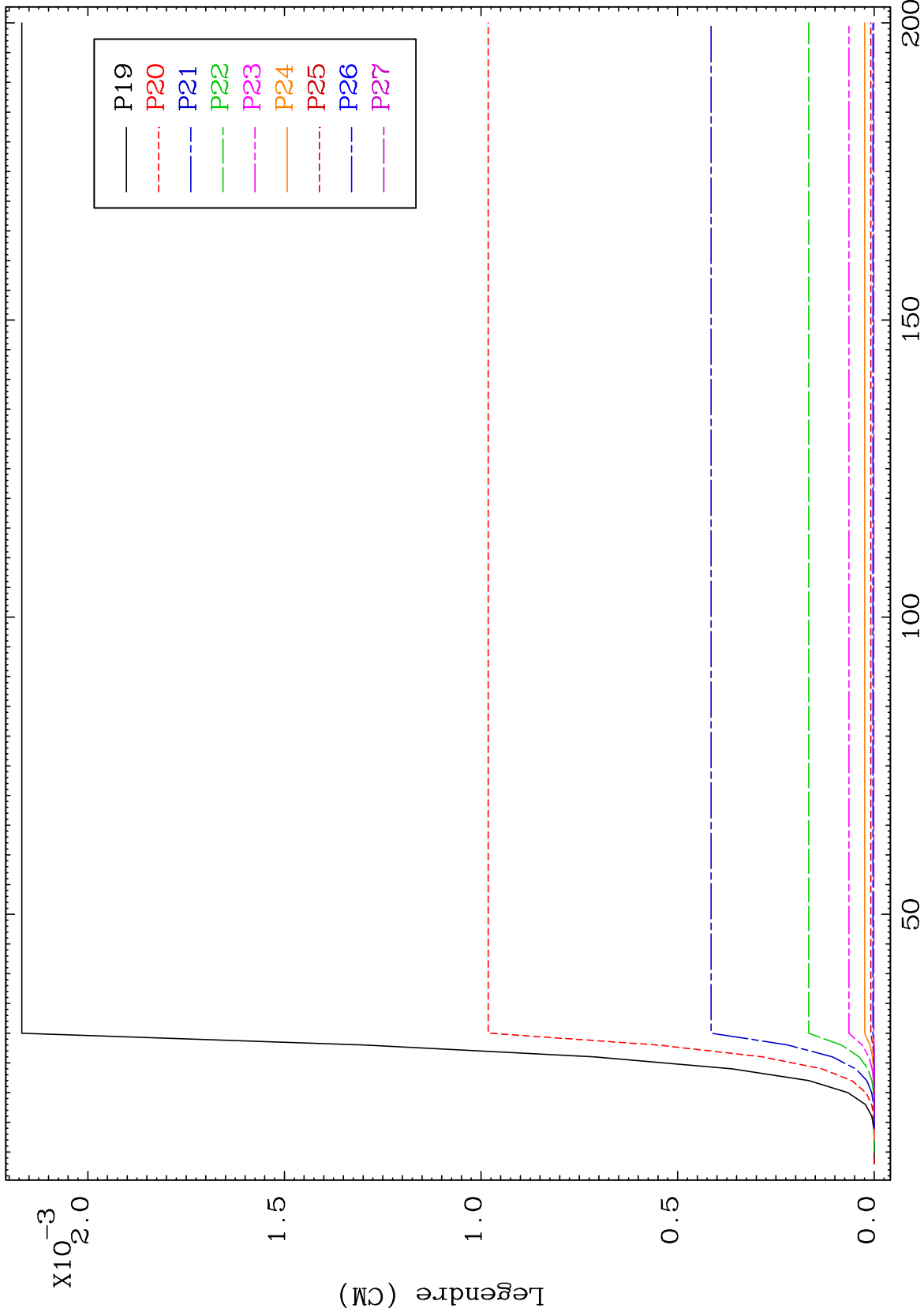




MAT 3707

774.4 keV (n,n') Level
Legendre Coefficients

37-Rb-79



87

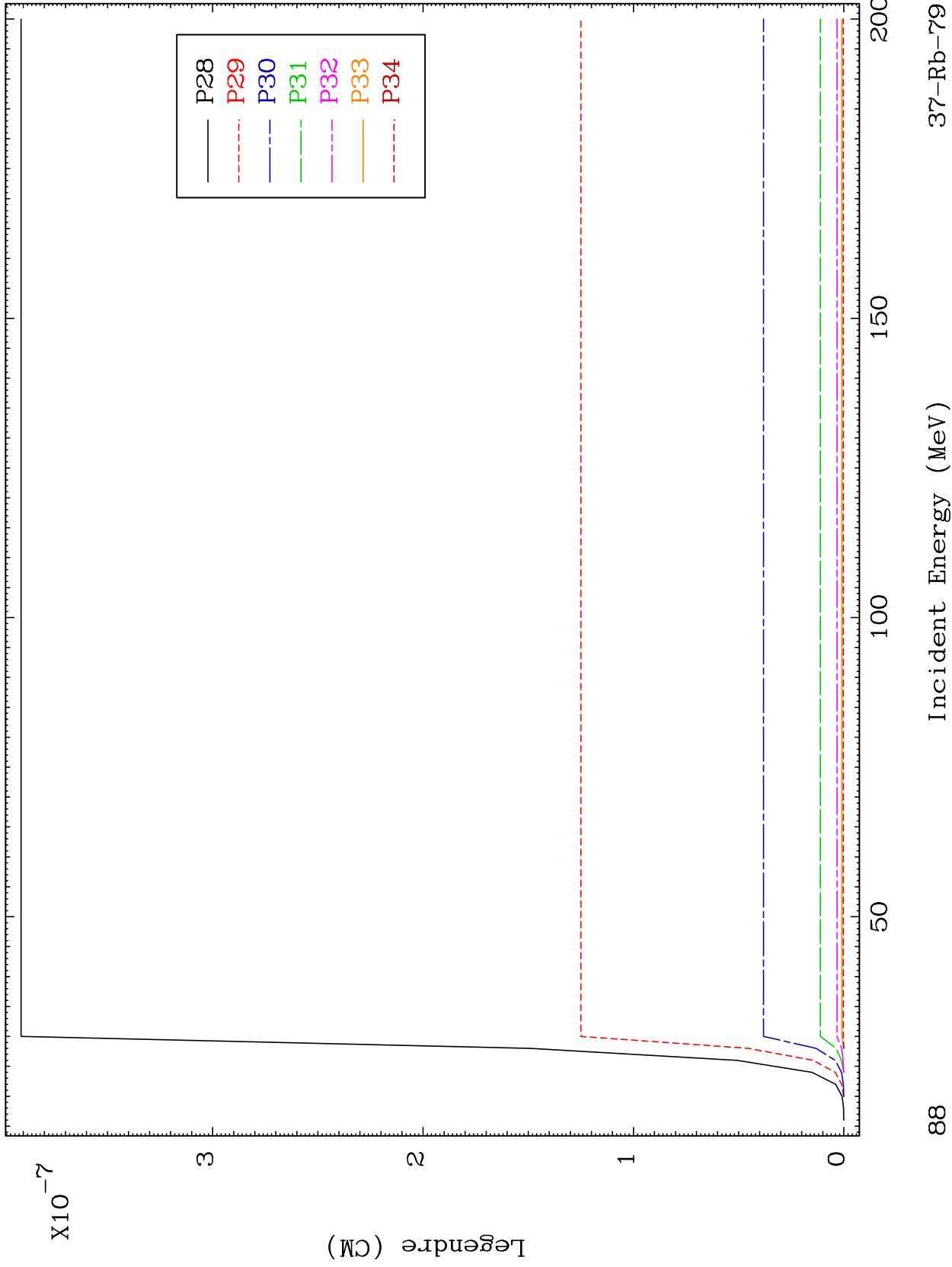
Incident Energy (MeV)

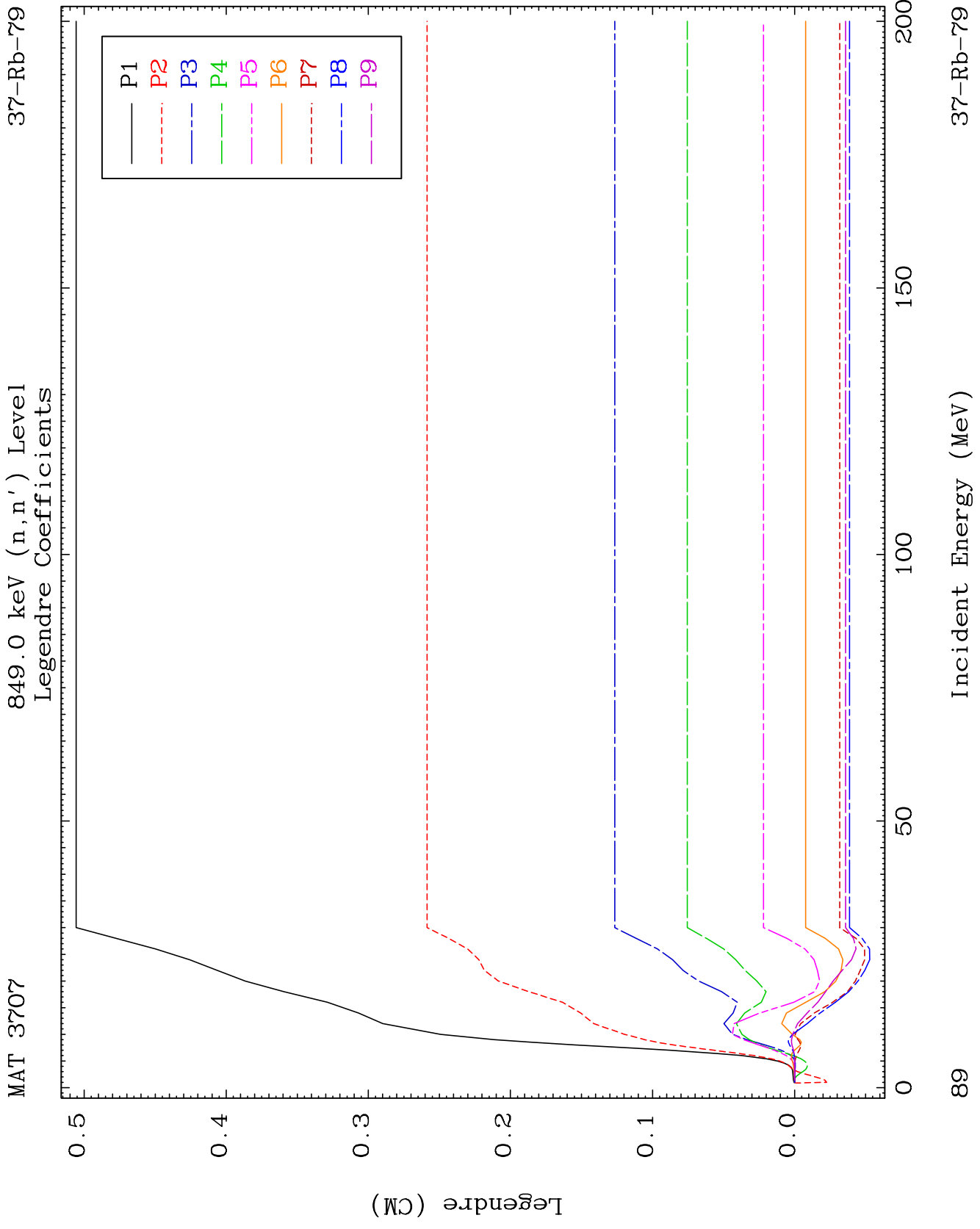
37-Rb-79

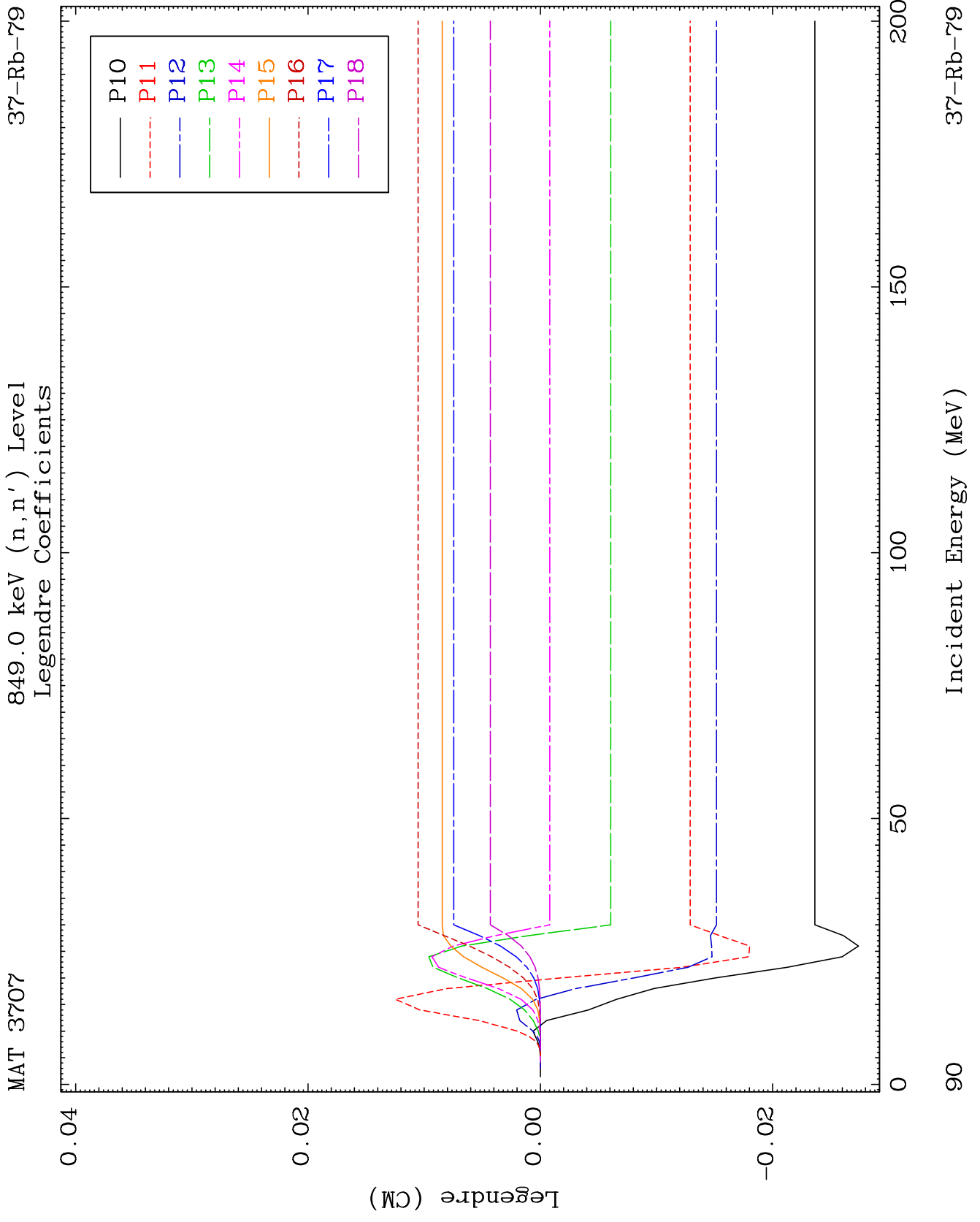
MAT 3707

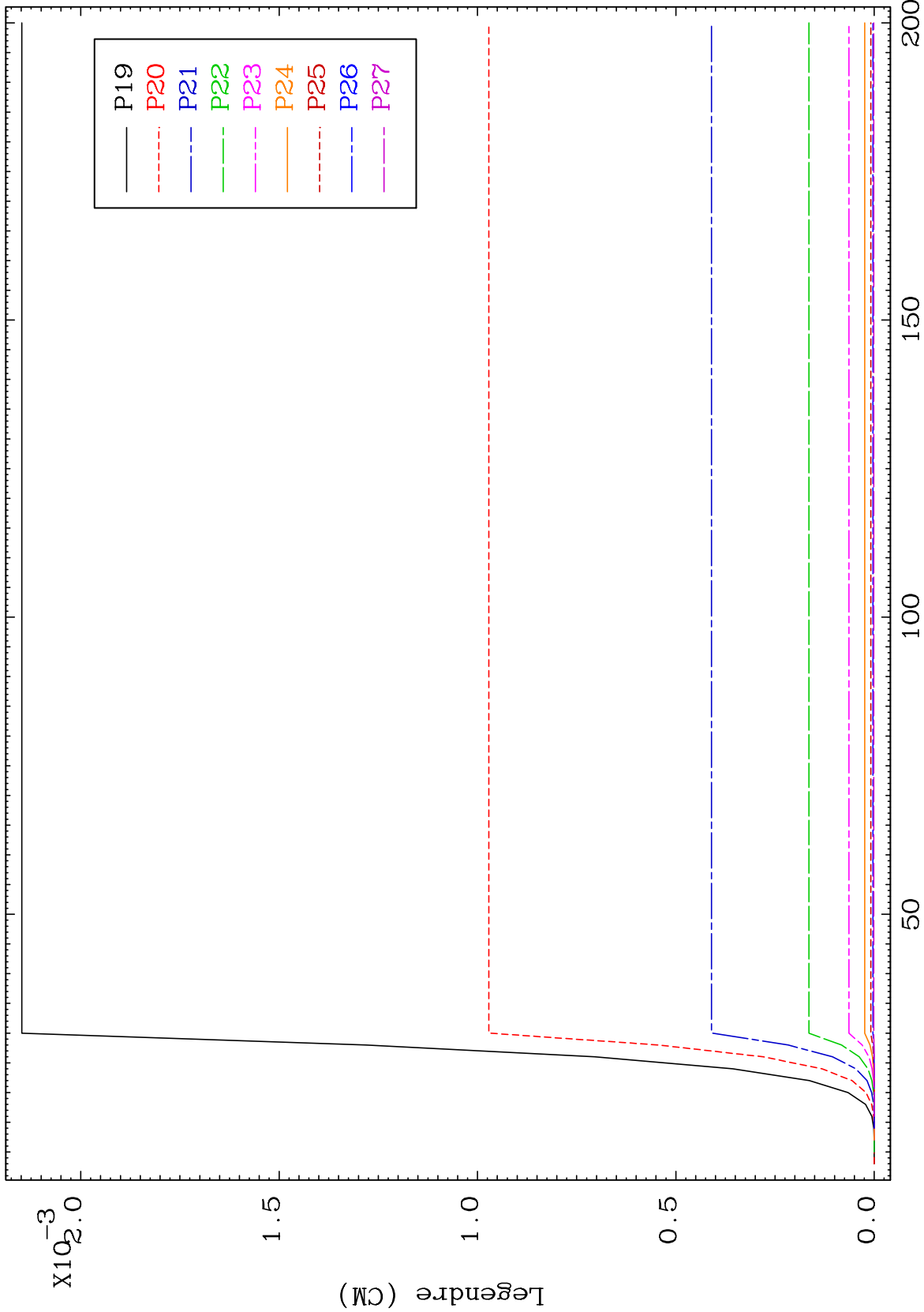
774.4 keV (n,n') Level
Legendre Coefficients

37-Rb-79





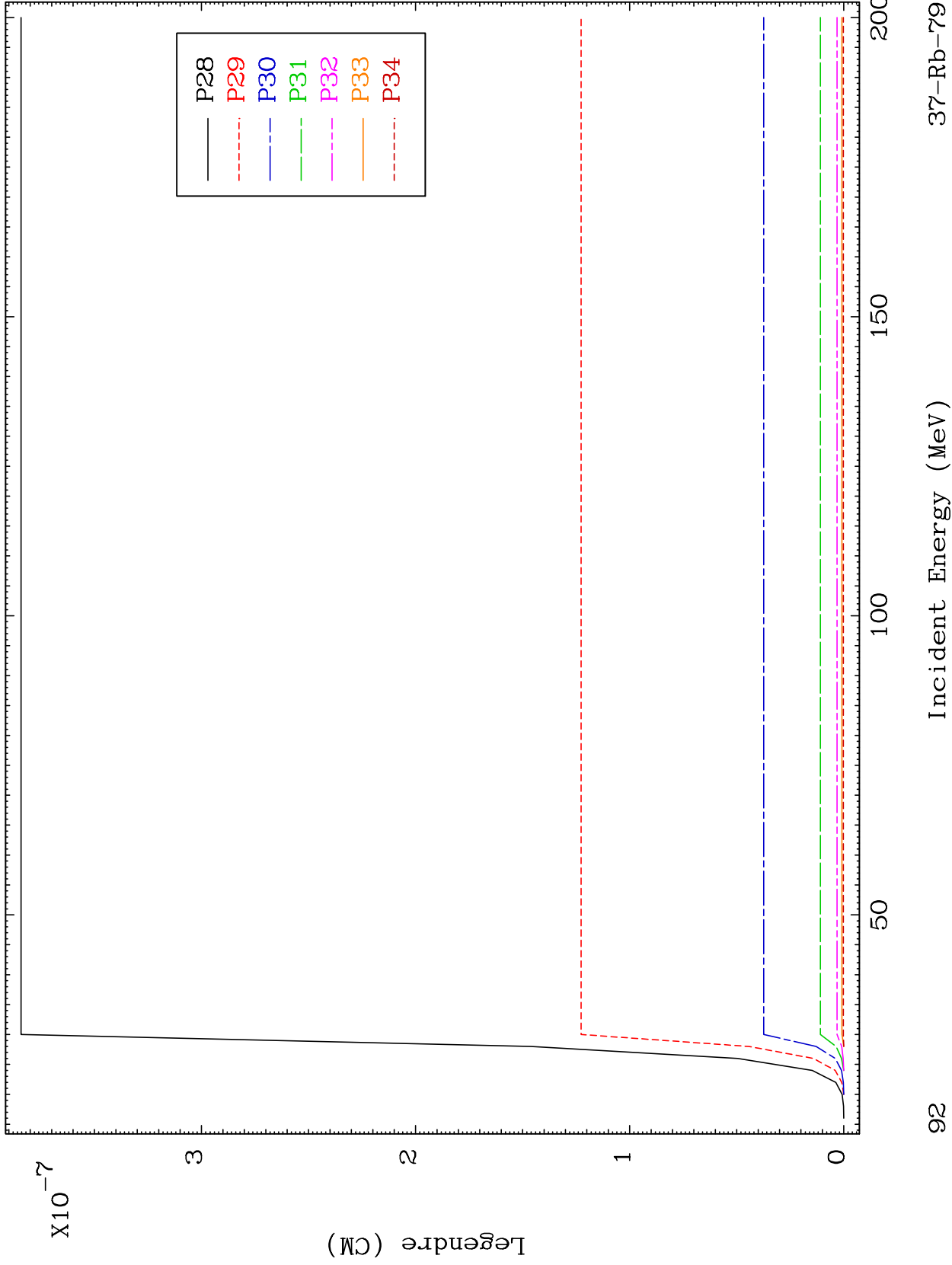


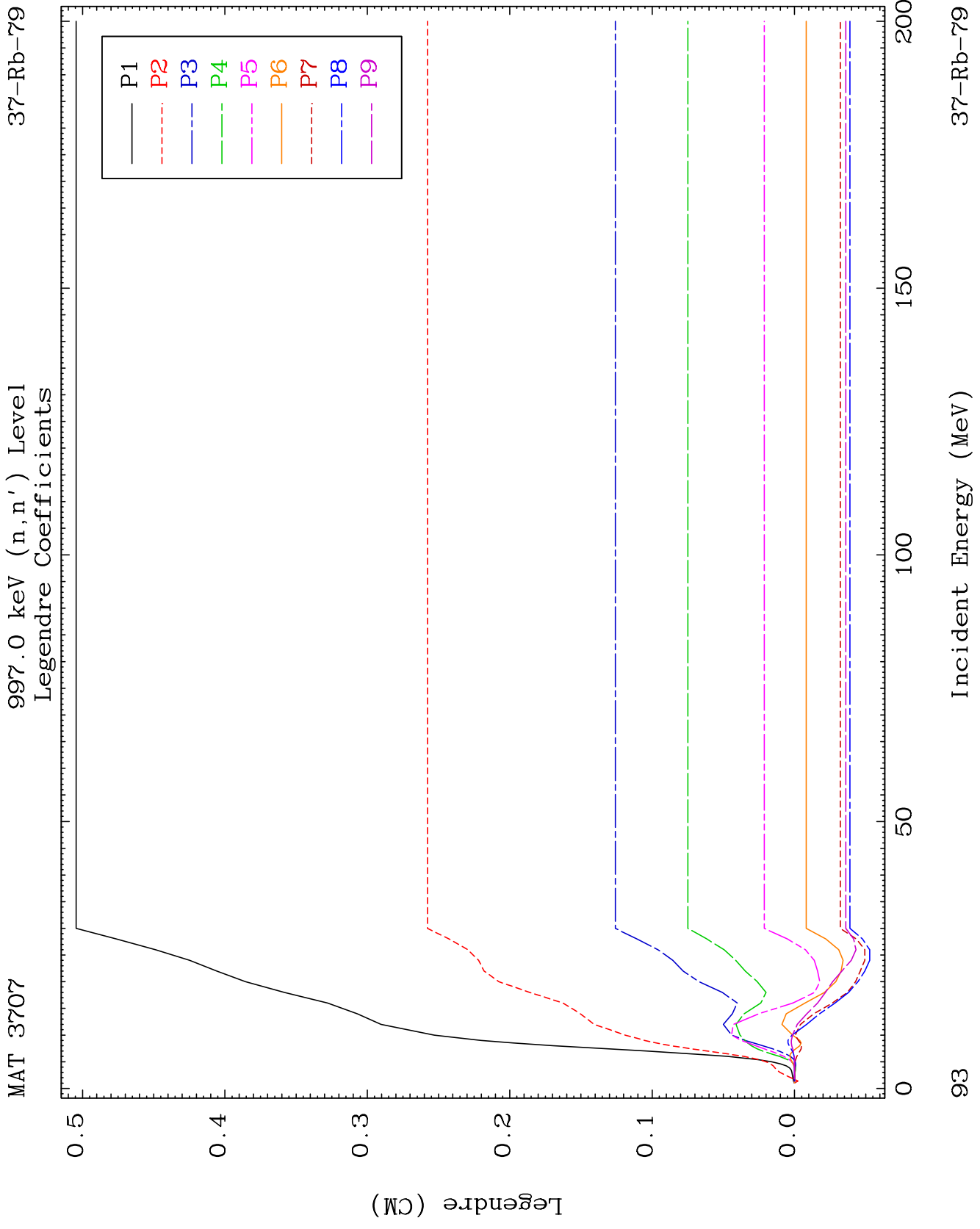


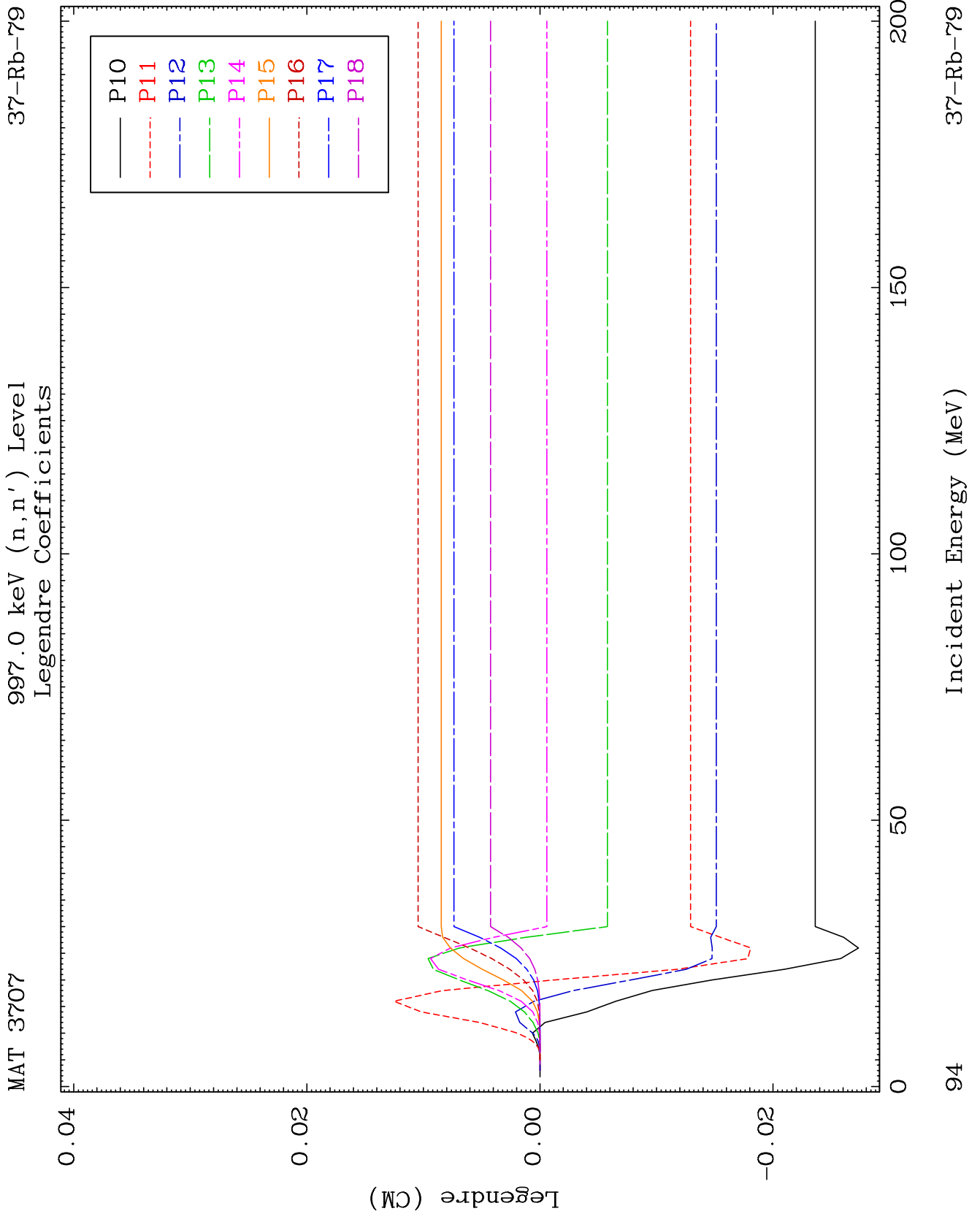
MAT 3707

849.0 keV (n,n') Level
Legendre Coefficients

37-Rb-79



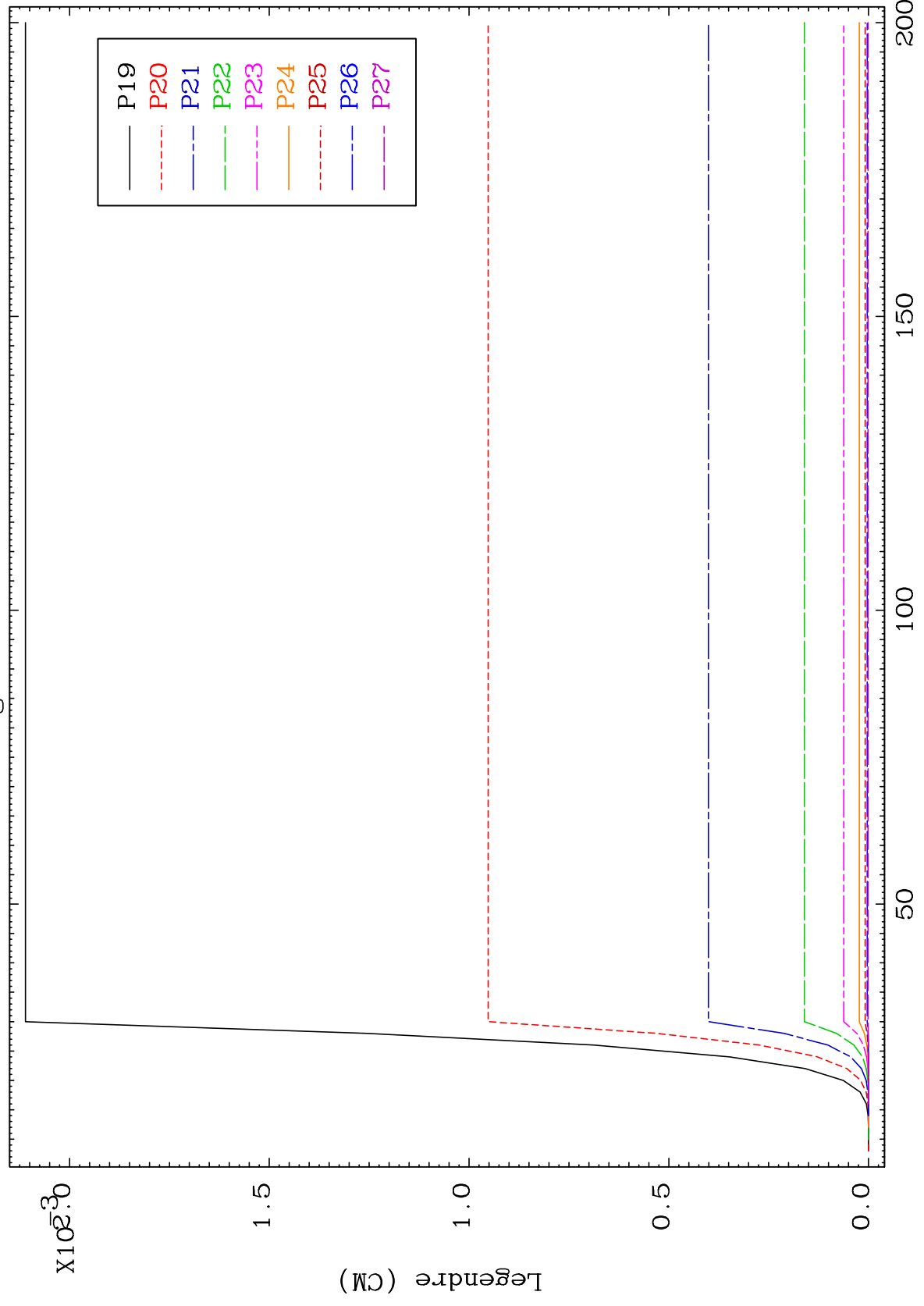




MAT 3707

997.0 keV (n,n') Level
Legendre Coefficients

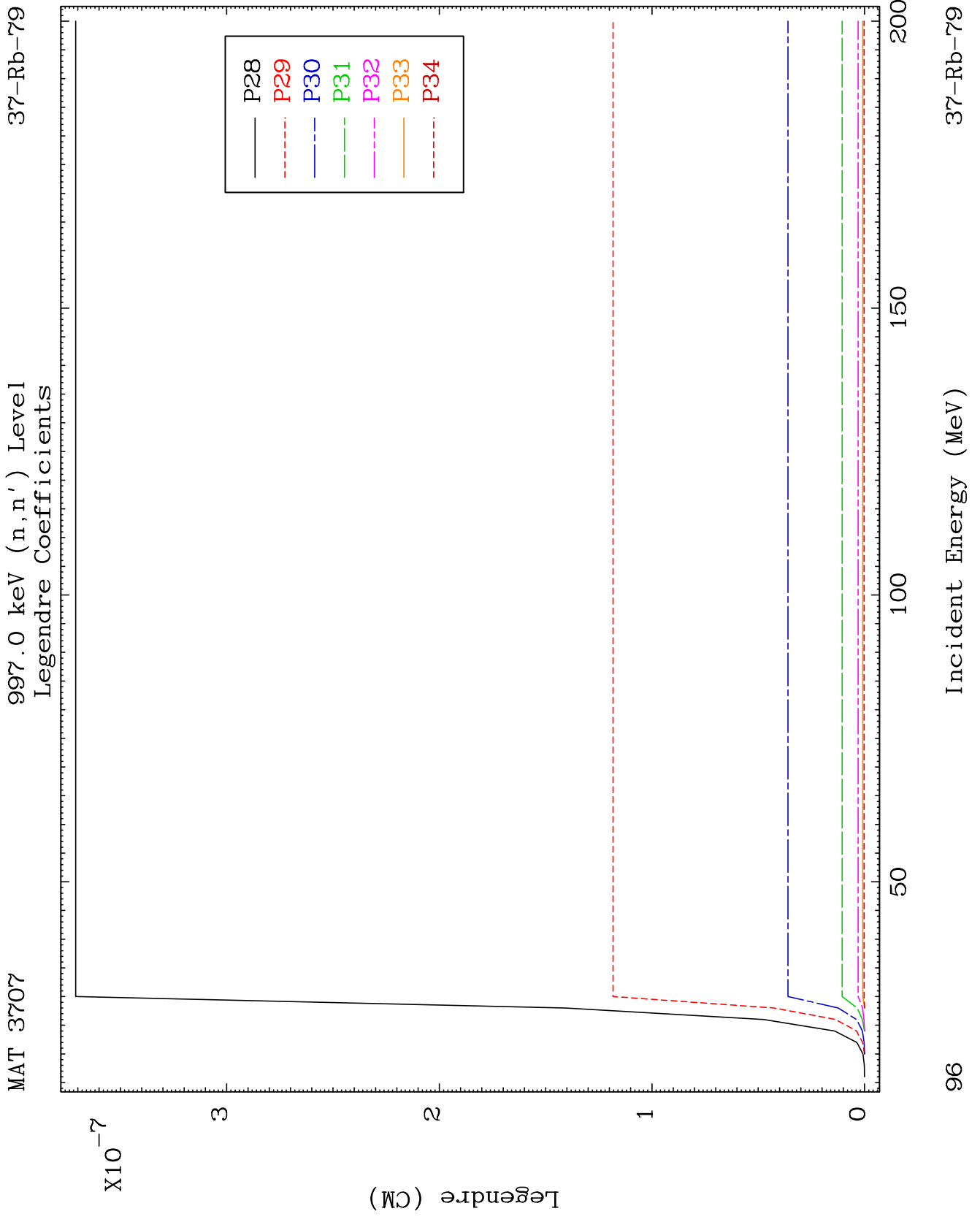
37-Rb-79



95

Incident Energy (MeV)

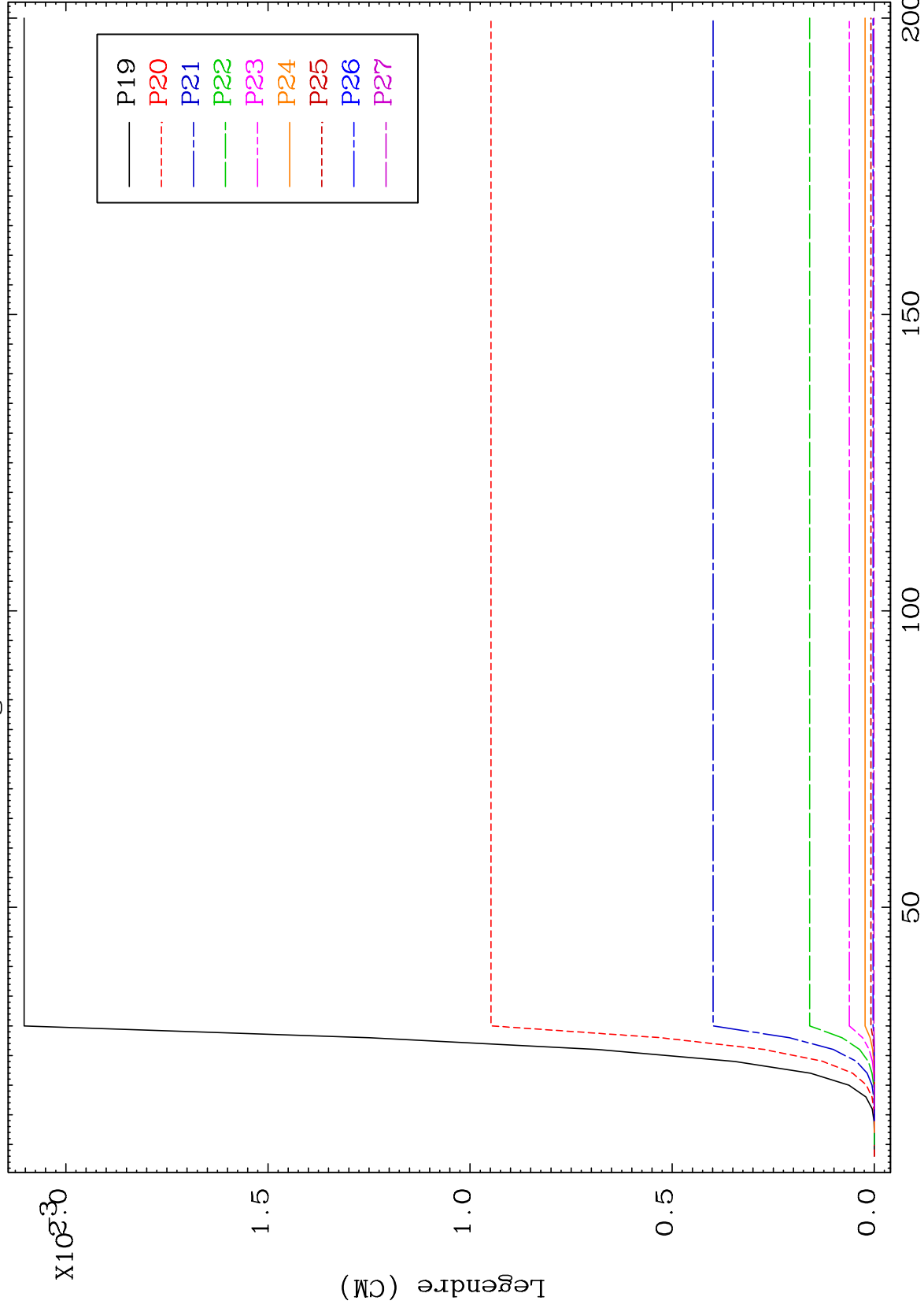
37-Rb-79



MAT 3707

1.025 MeV (n,n') Level
Legendre Coefficients

37-Rb-79



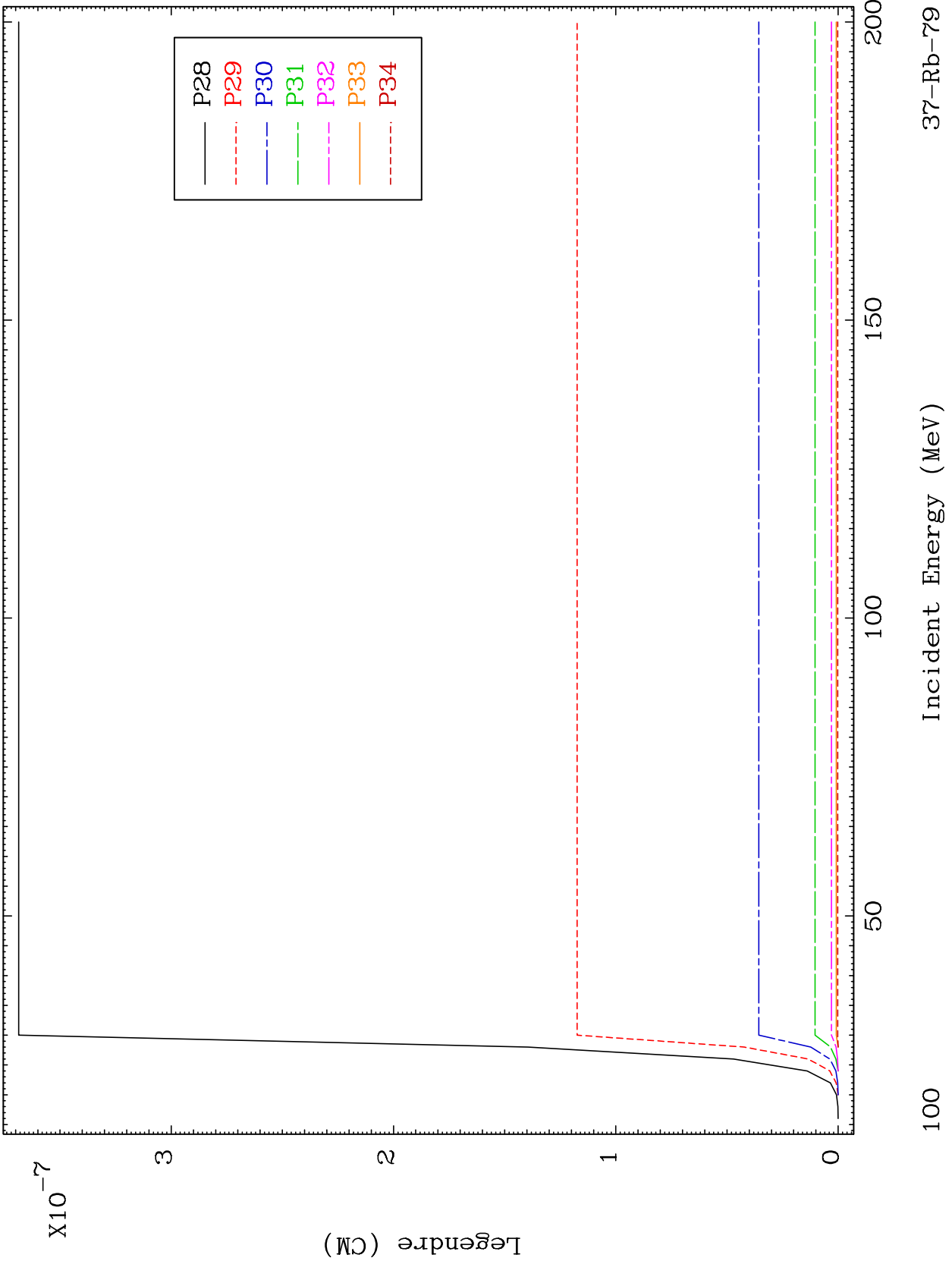
99

37-Rb-79

MAT 3707

1.025 MeV (n,n') Level Legendre Coefficients

37-Rb-79



100

50

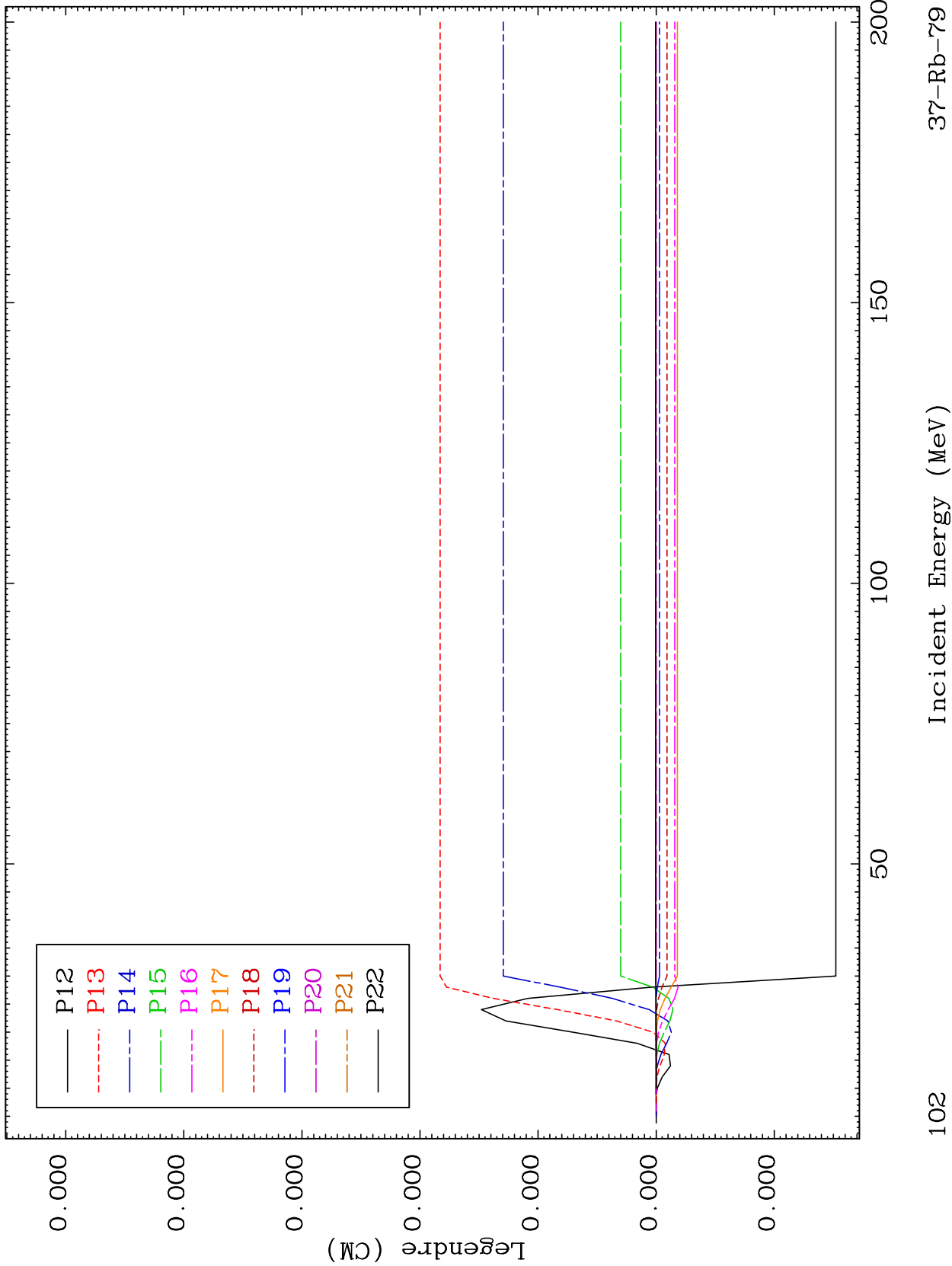
100

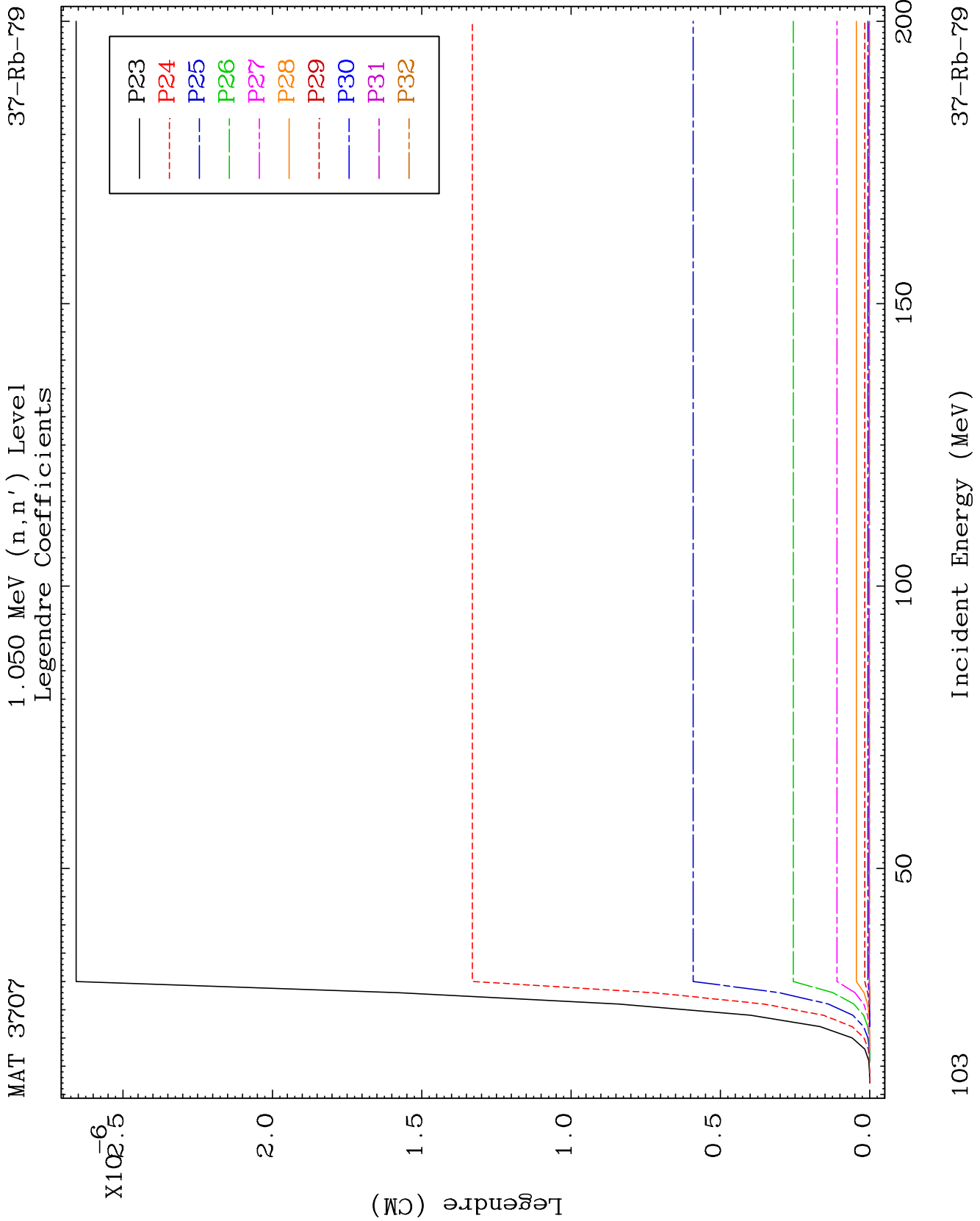
150

200

Incident Energy (MeV)

37-Rb-79

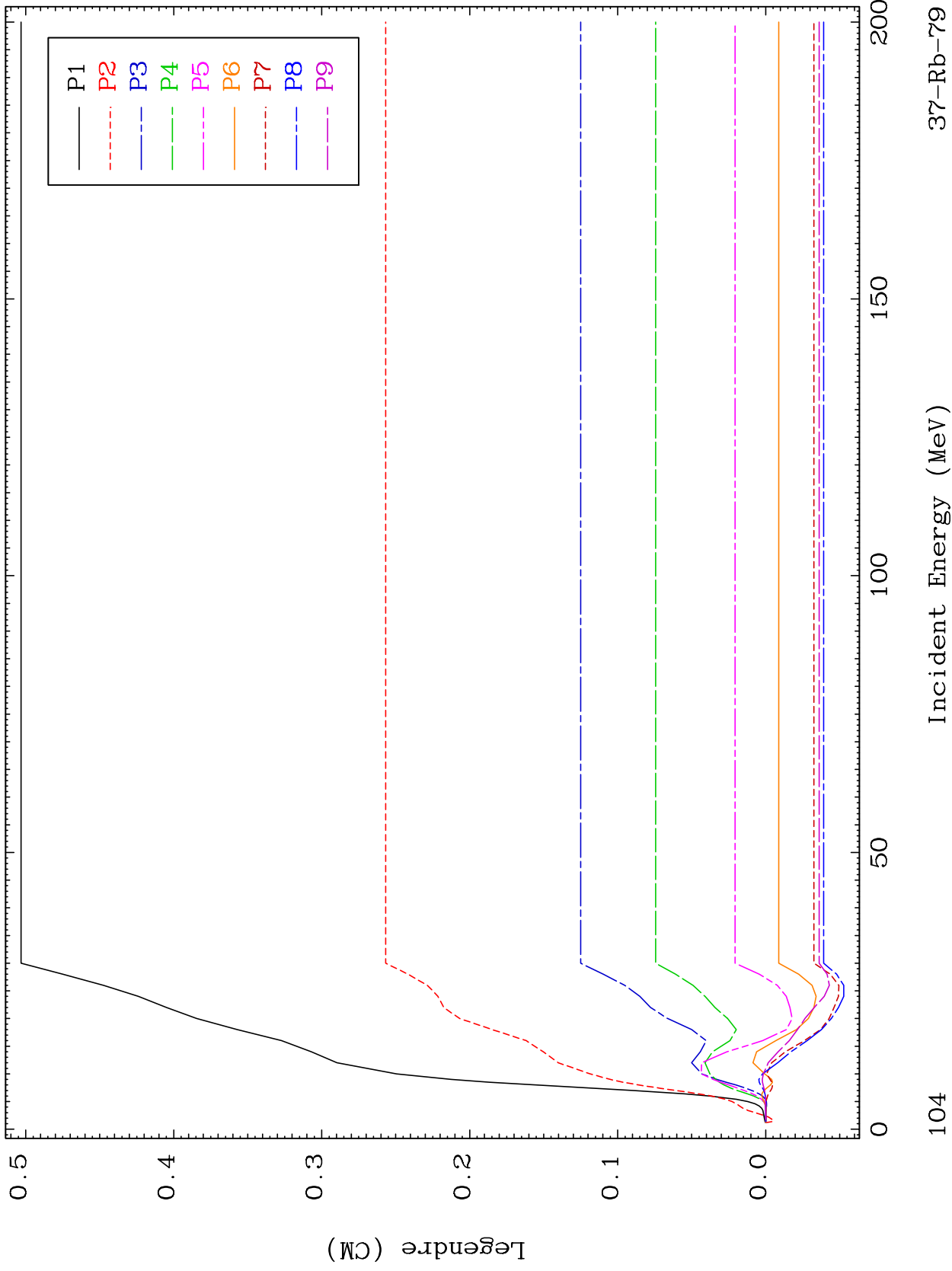




MAT 3707

1.161 MeV (n,n') Level
Legendre Coefficients

37-Rb-79



104

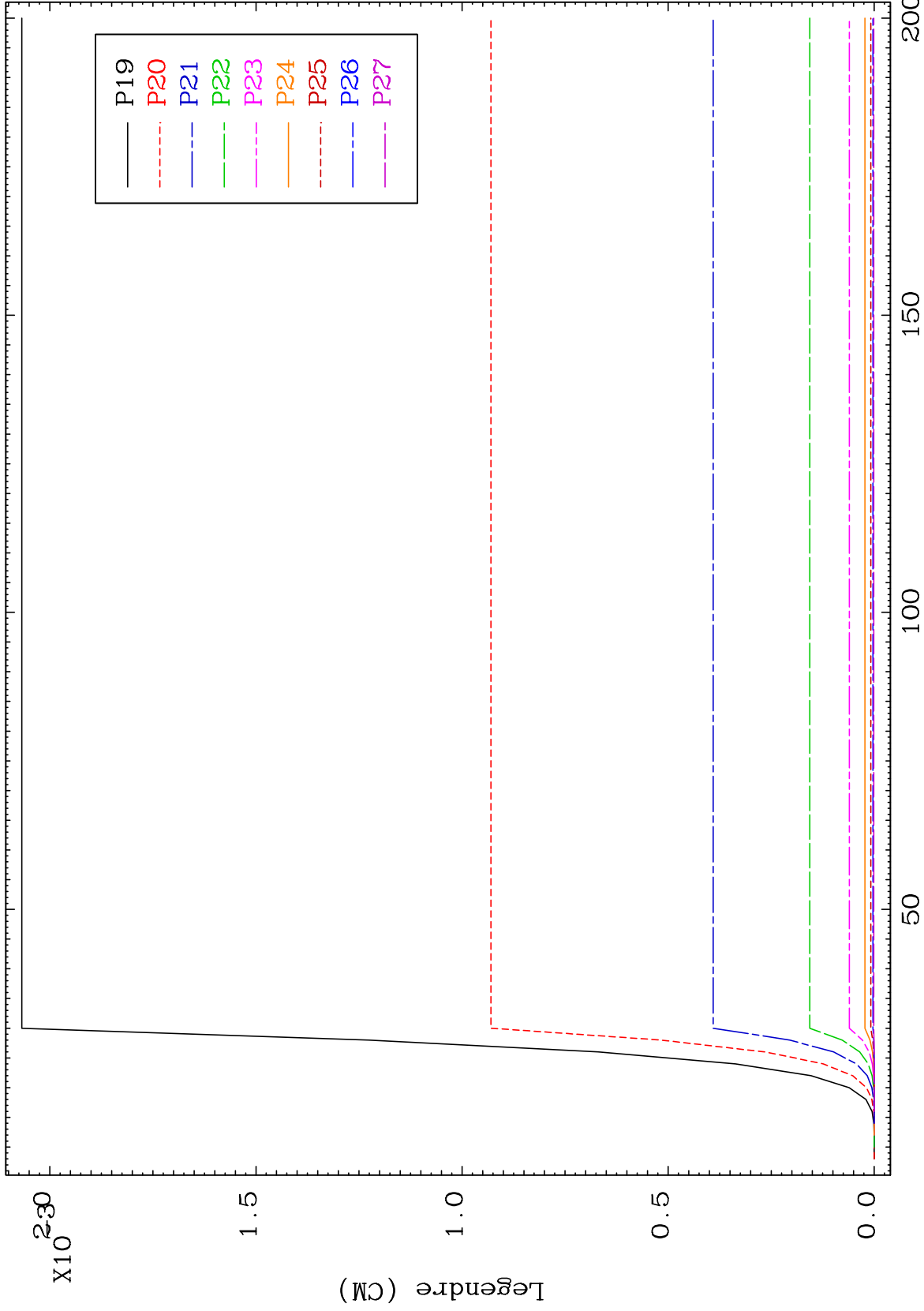
Incident Energy (MeV)

37-Rb-79

MAT 3707

1.161 MeV (n,n') Level
Legendre Coefficients

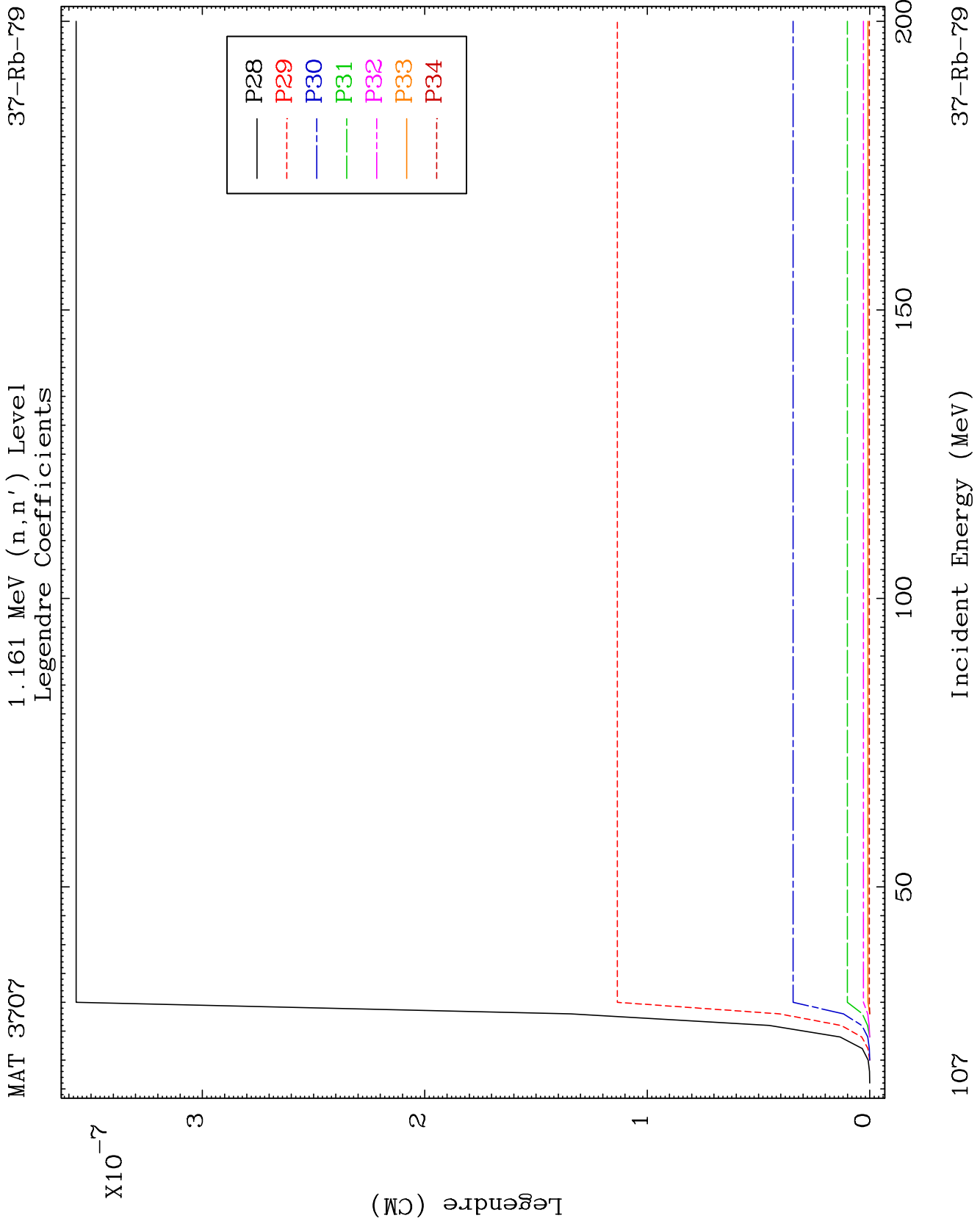
37-Rb-79



106

Incident Energy (MeV)

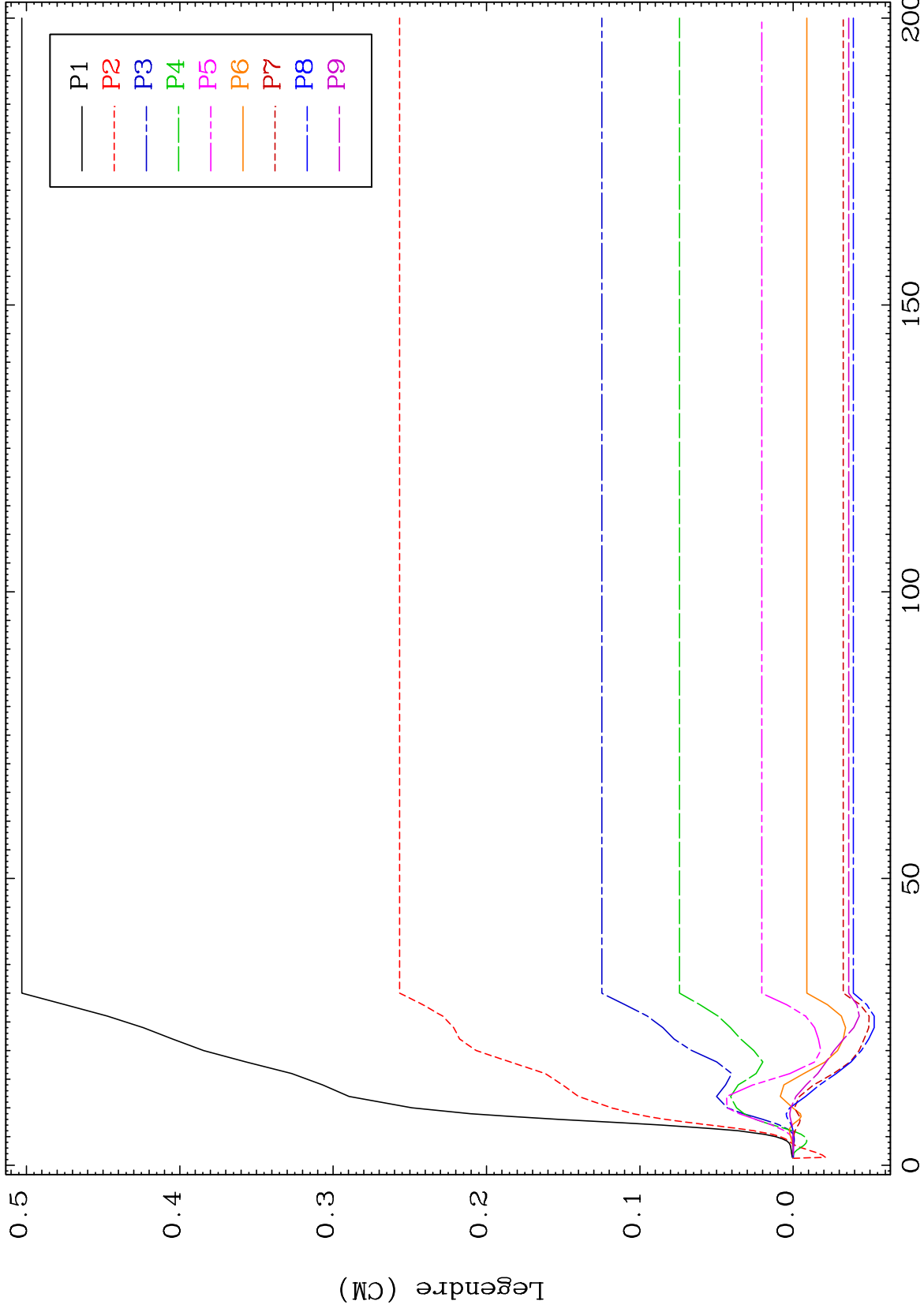
37-Rb-79



MAT 3707

1.182 MeV (n,n') Level
Legendre Coefficients

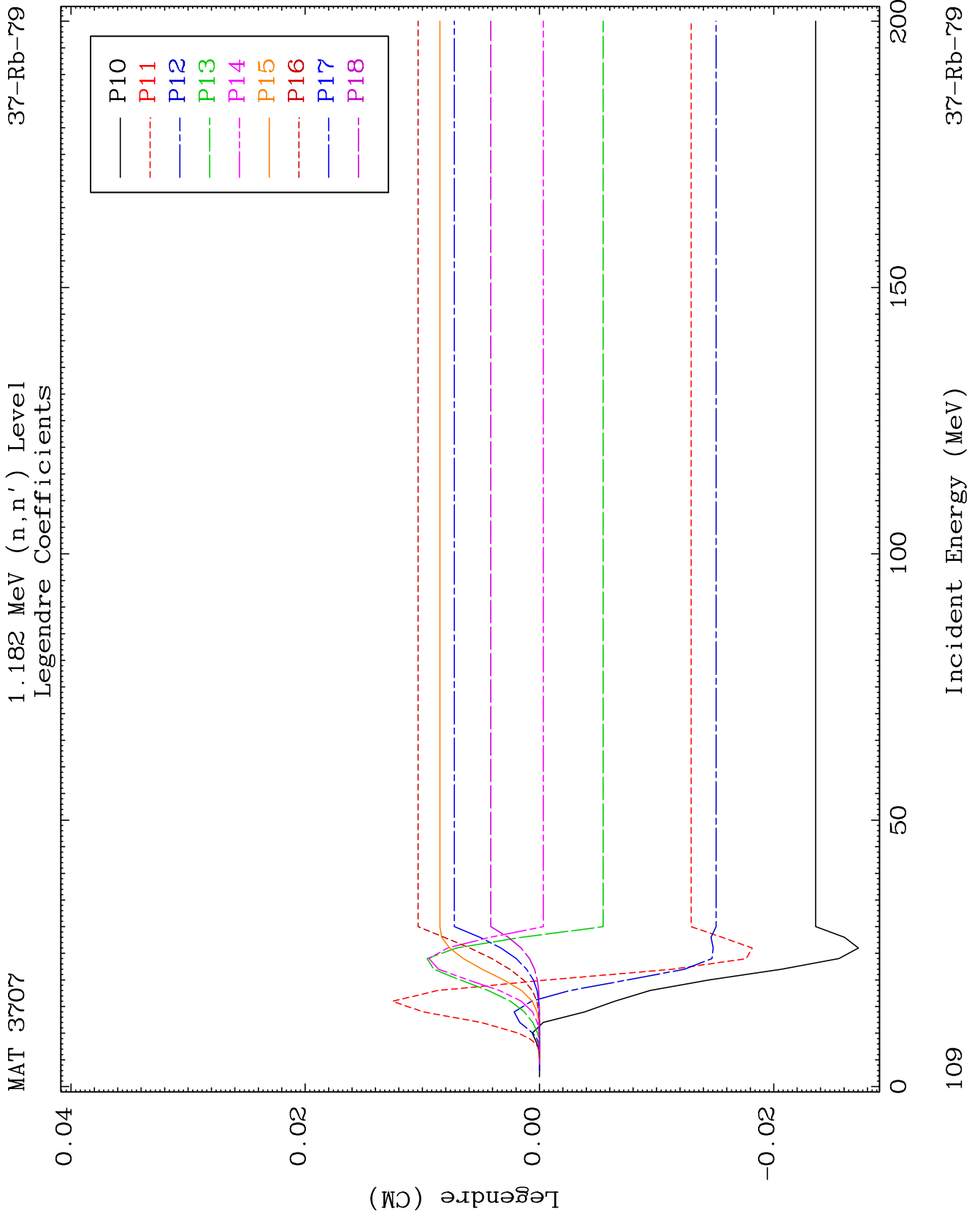
37-Rb-79



37-Rb-79

Incident Energy (MeV)

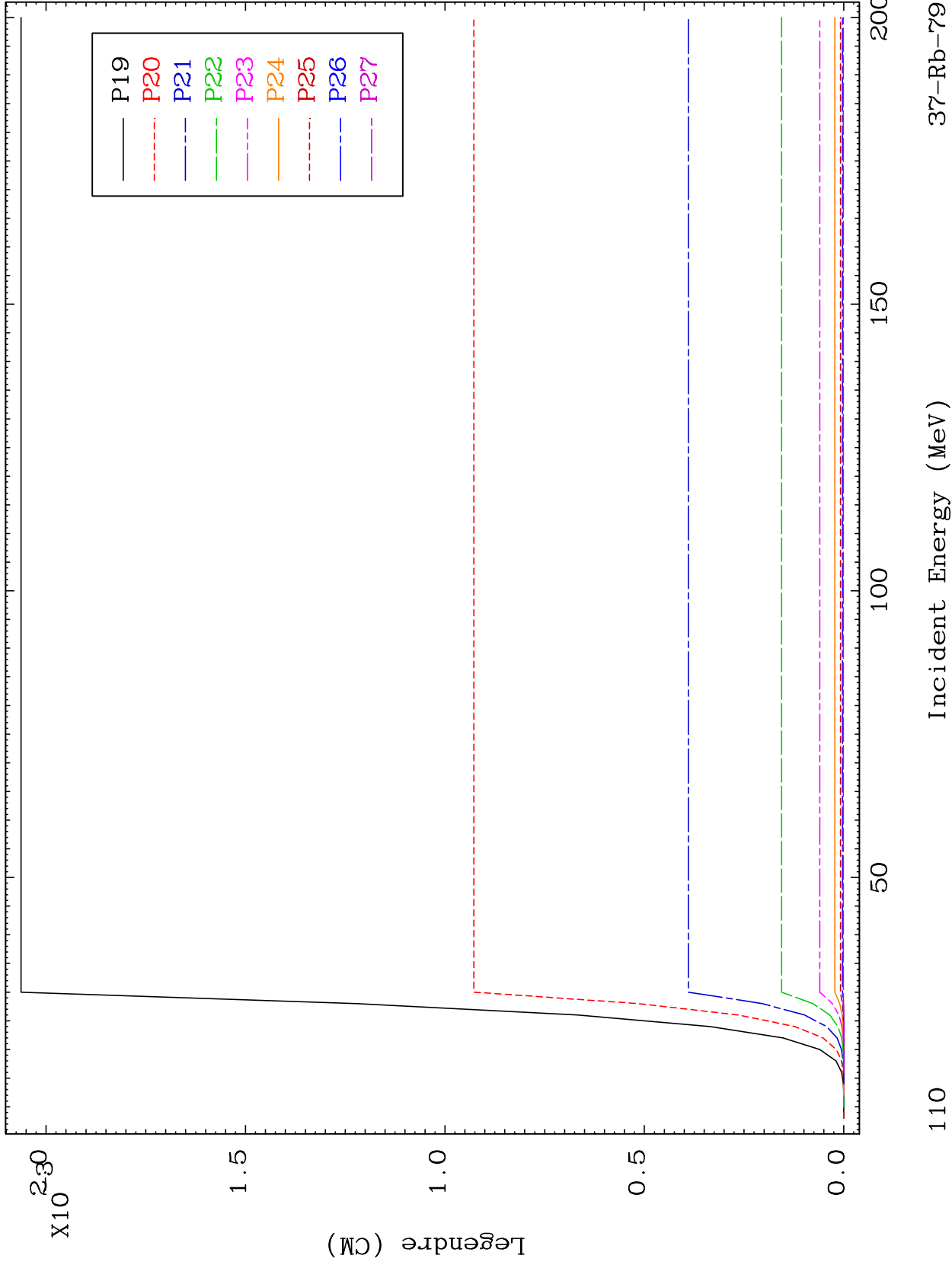
108



MAT 3707

1.182 MeV (n, n') Level
Legendre Coefficients

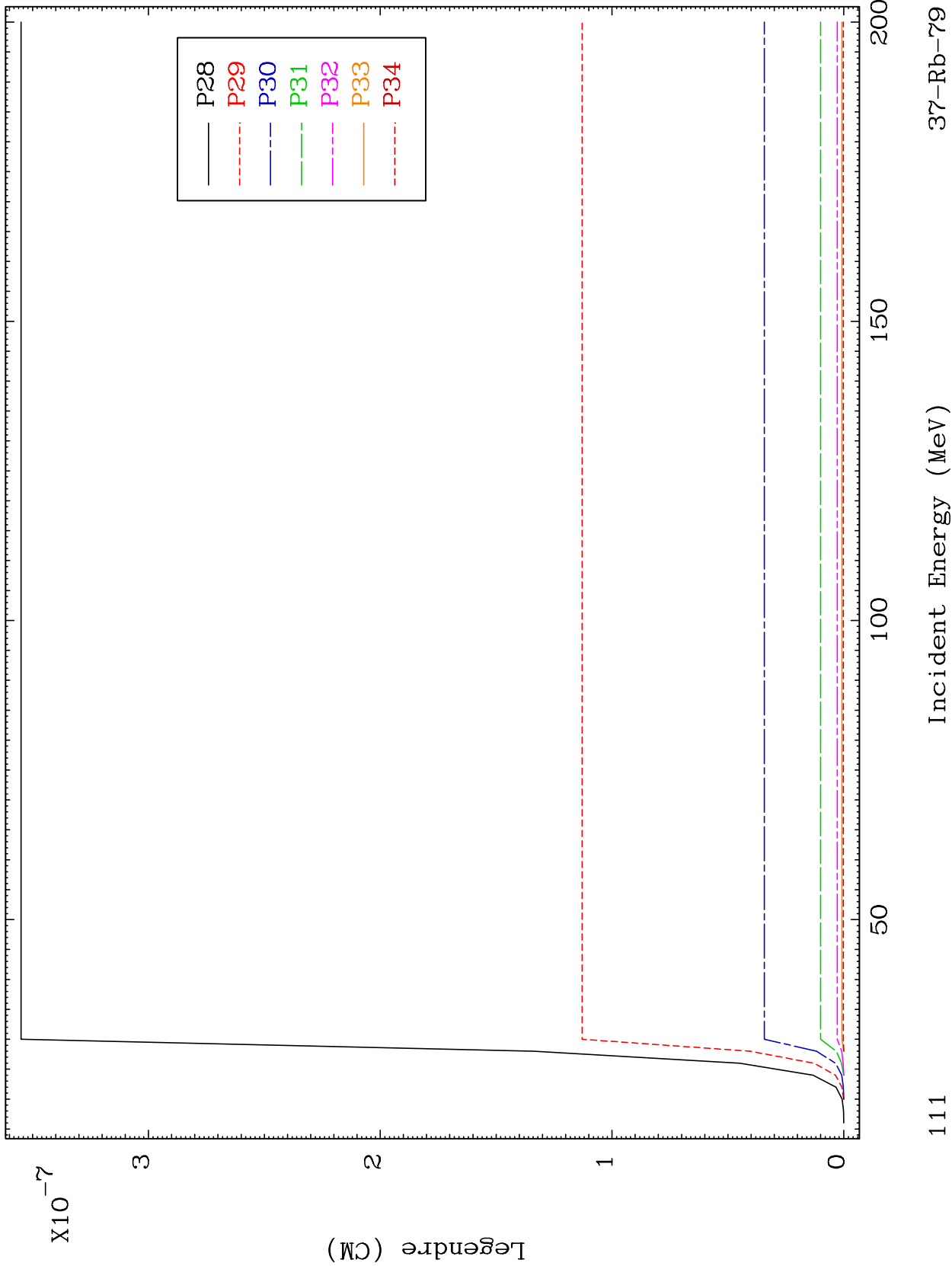
37-Rb-79

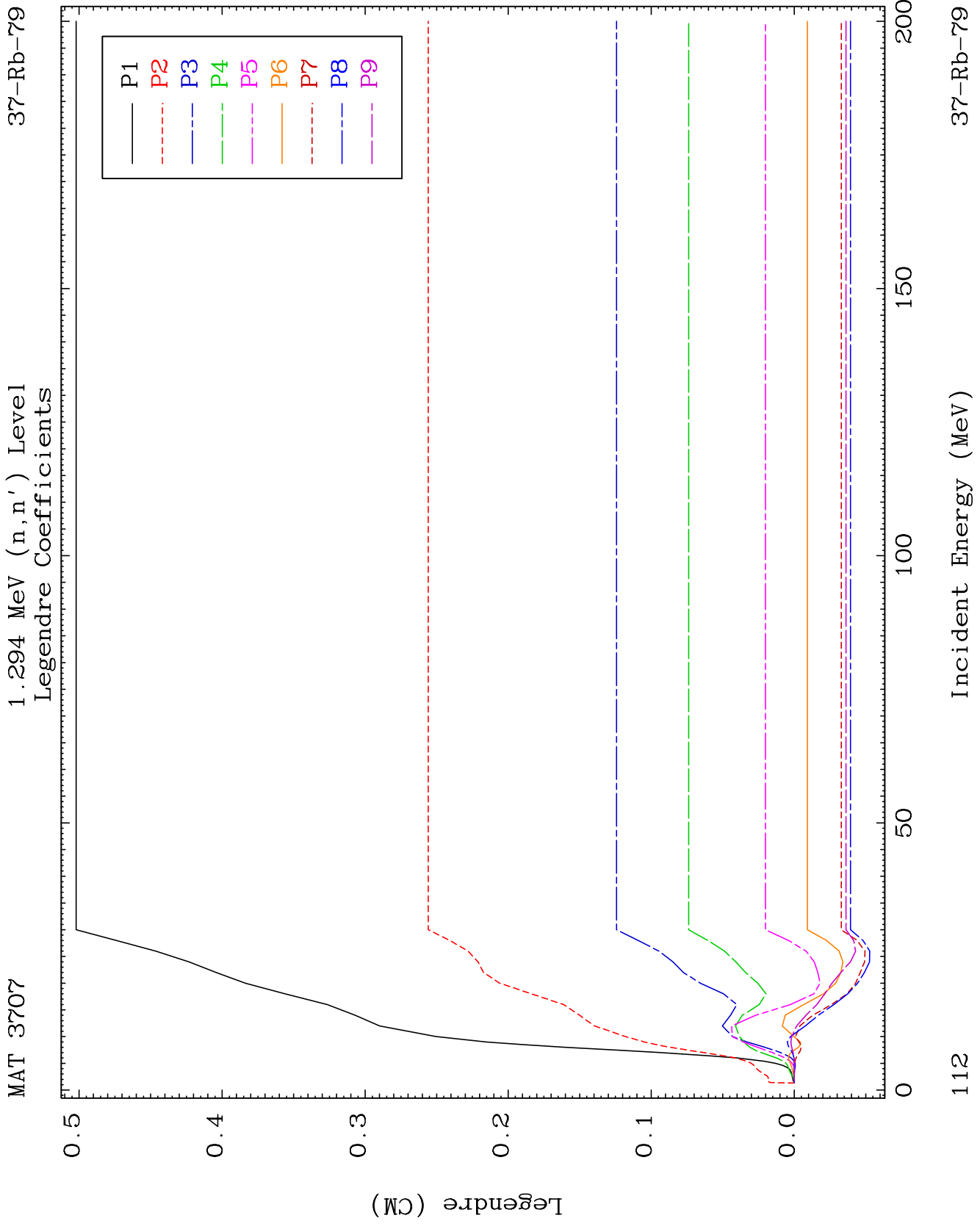


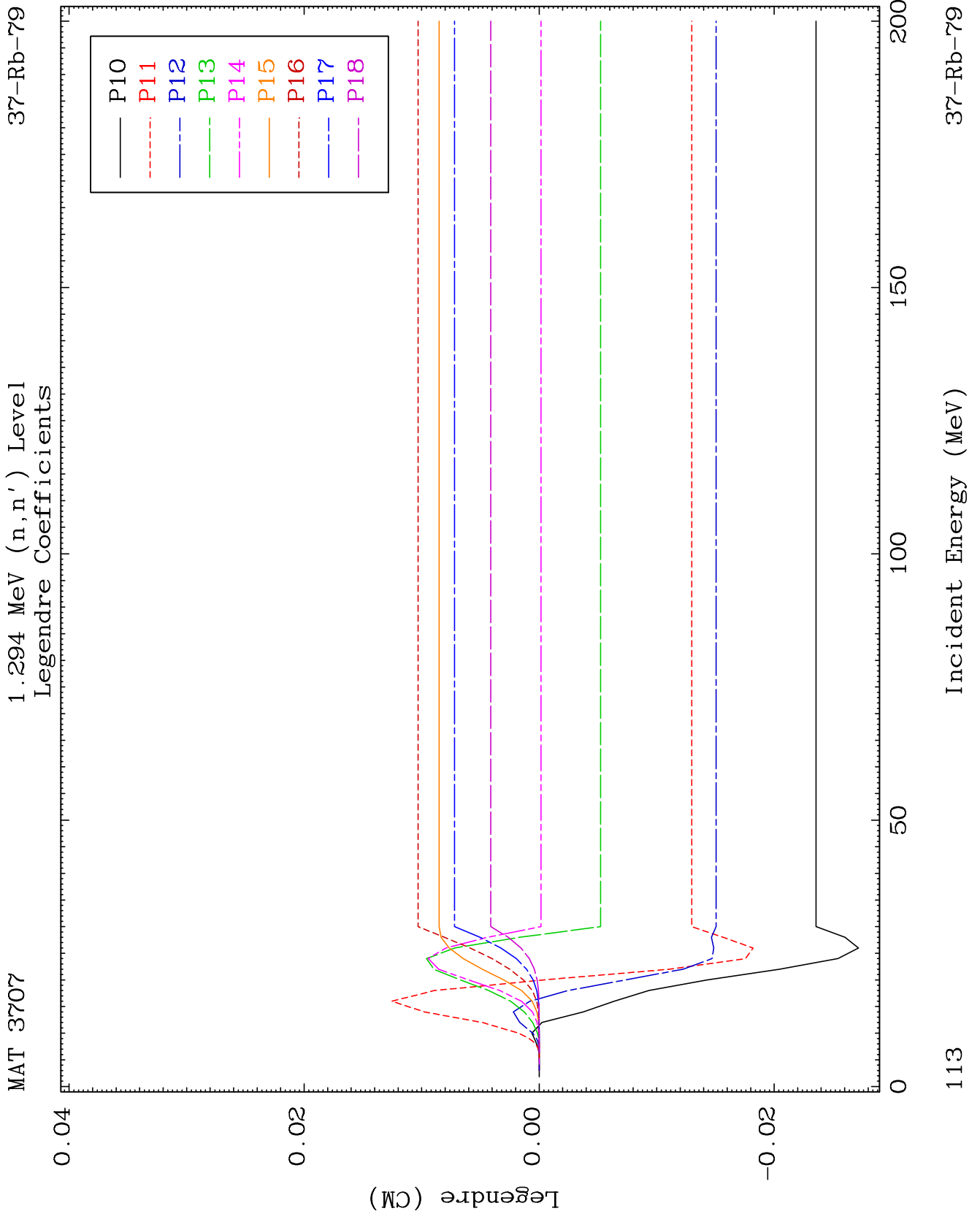
MAT 3707

1.182 MeV (n,n') Level
Legendre Coefficients

37-Rb-79



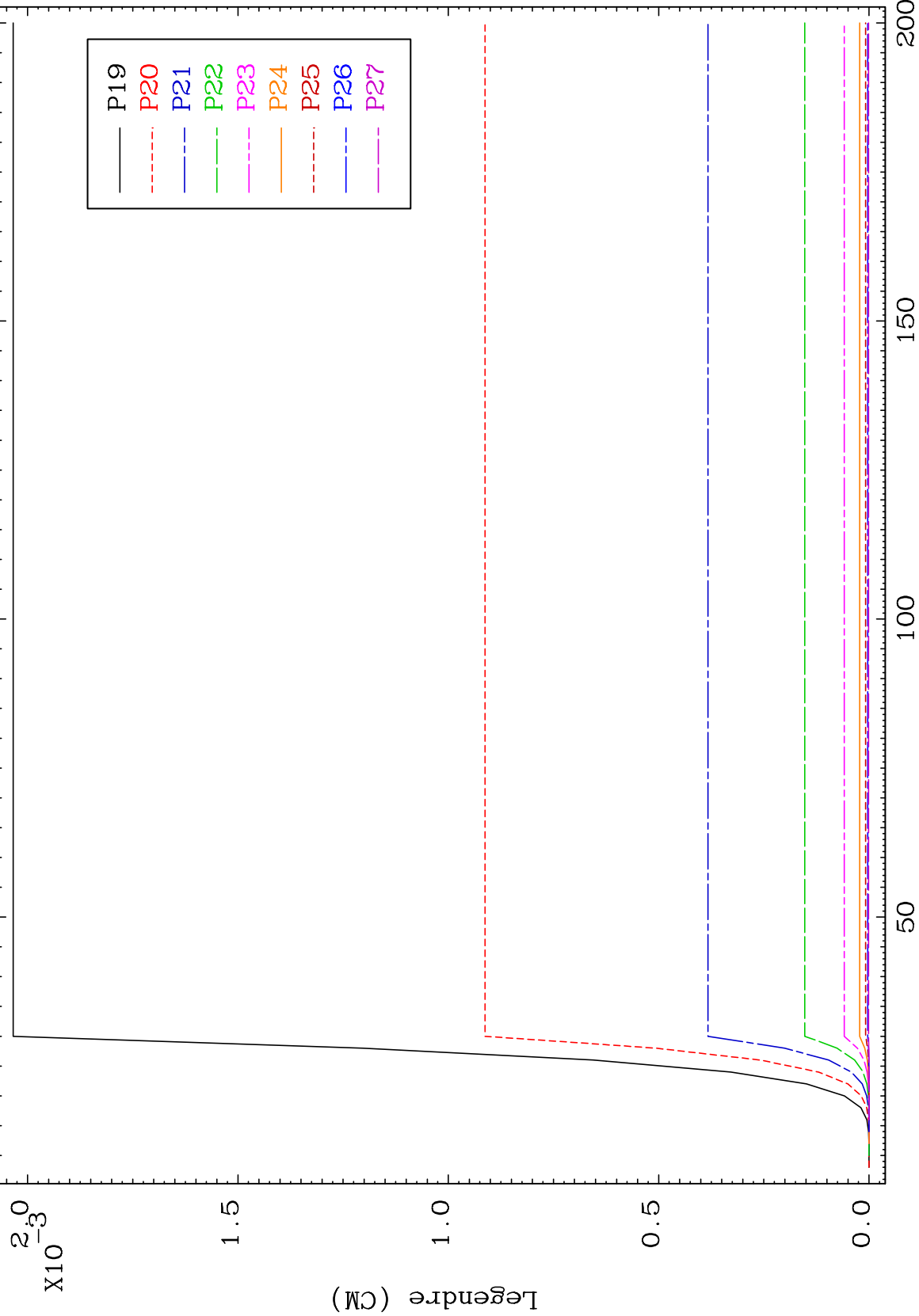




MAT 3707

1.294 MeV (n,n') Level
Legendre Coefficients

37-Rb-79



114

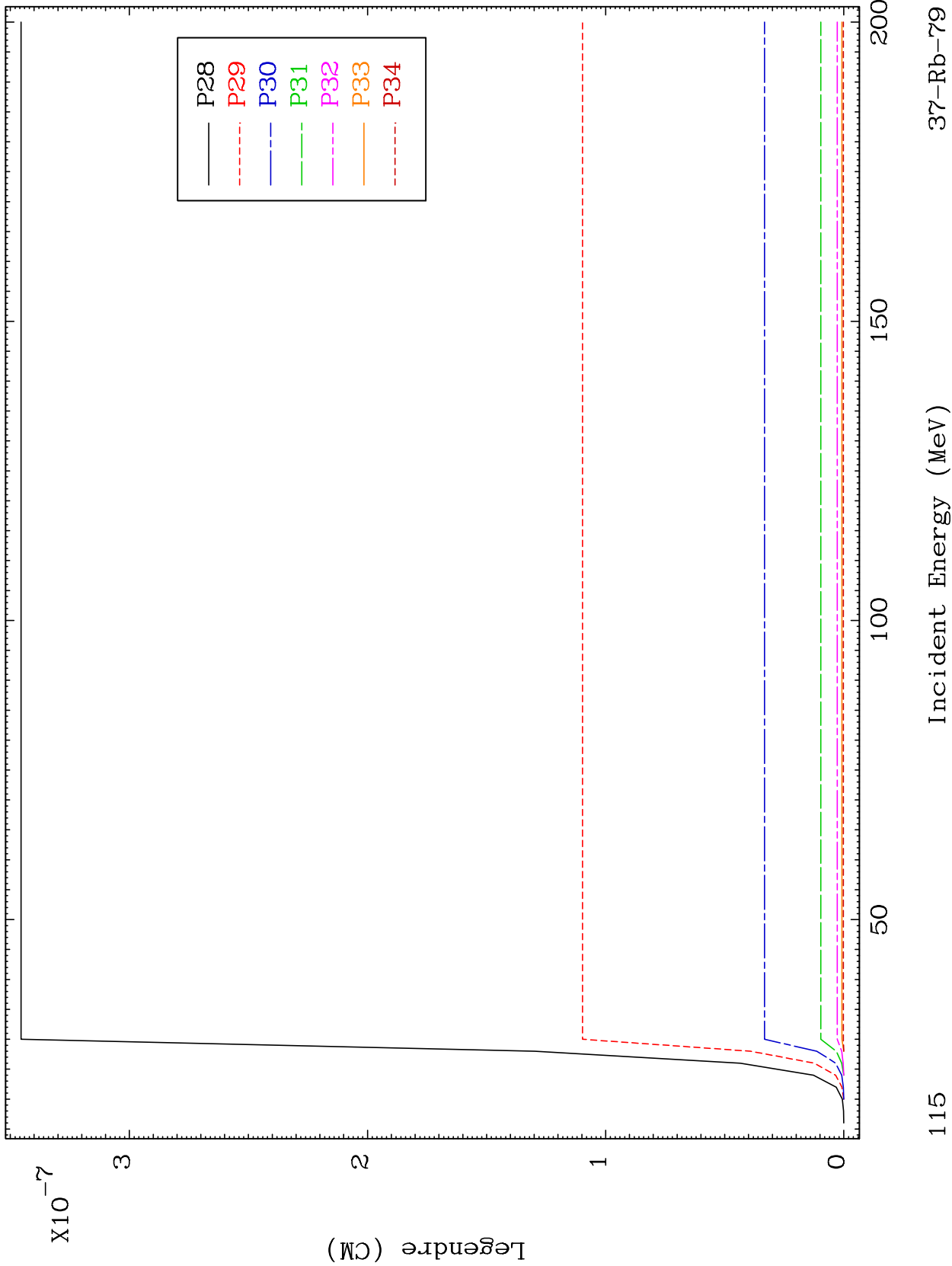
Incident Energy (MeV)

37-Rb-79

MAT 3707

1.294 MeV (n,n') Level
Legendre Coefficients

37-Rb-79



115

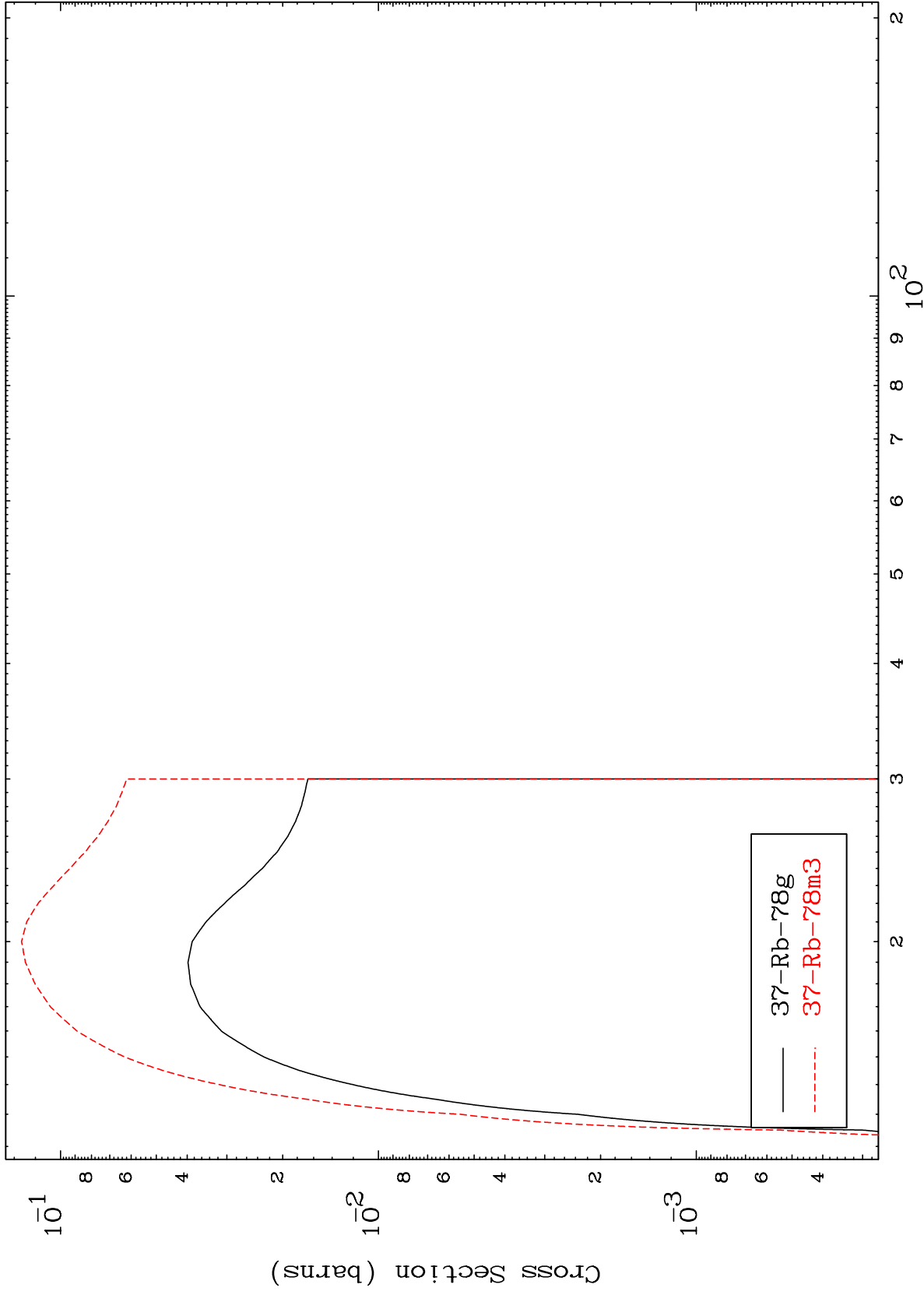
Incident Energy (MeV)

37-Rb-79

MAT 3707

37-Rb-79

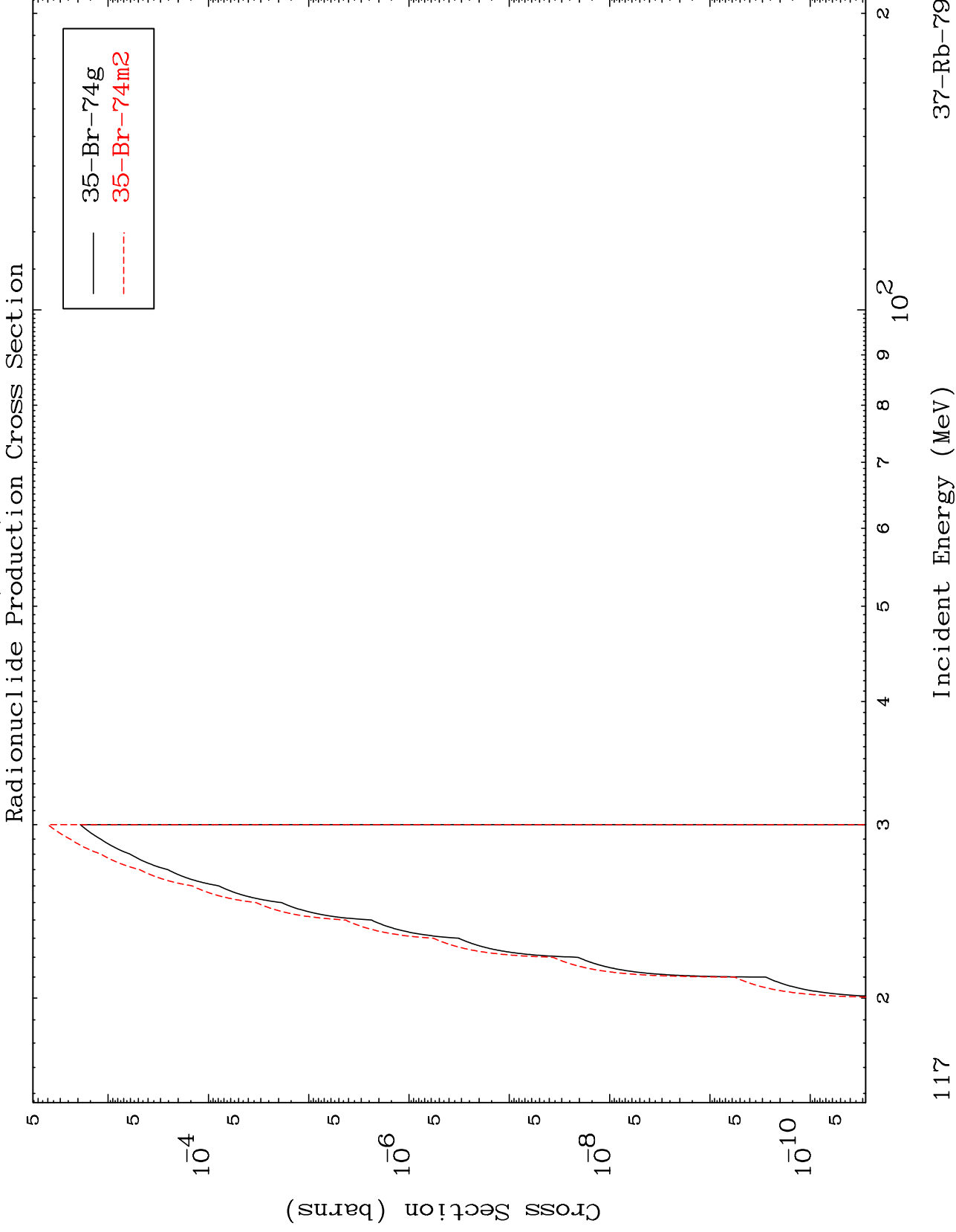
(n,2n)
Radionuclide Production Cross Section



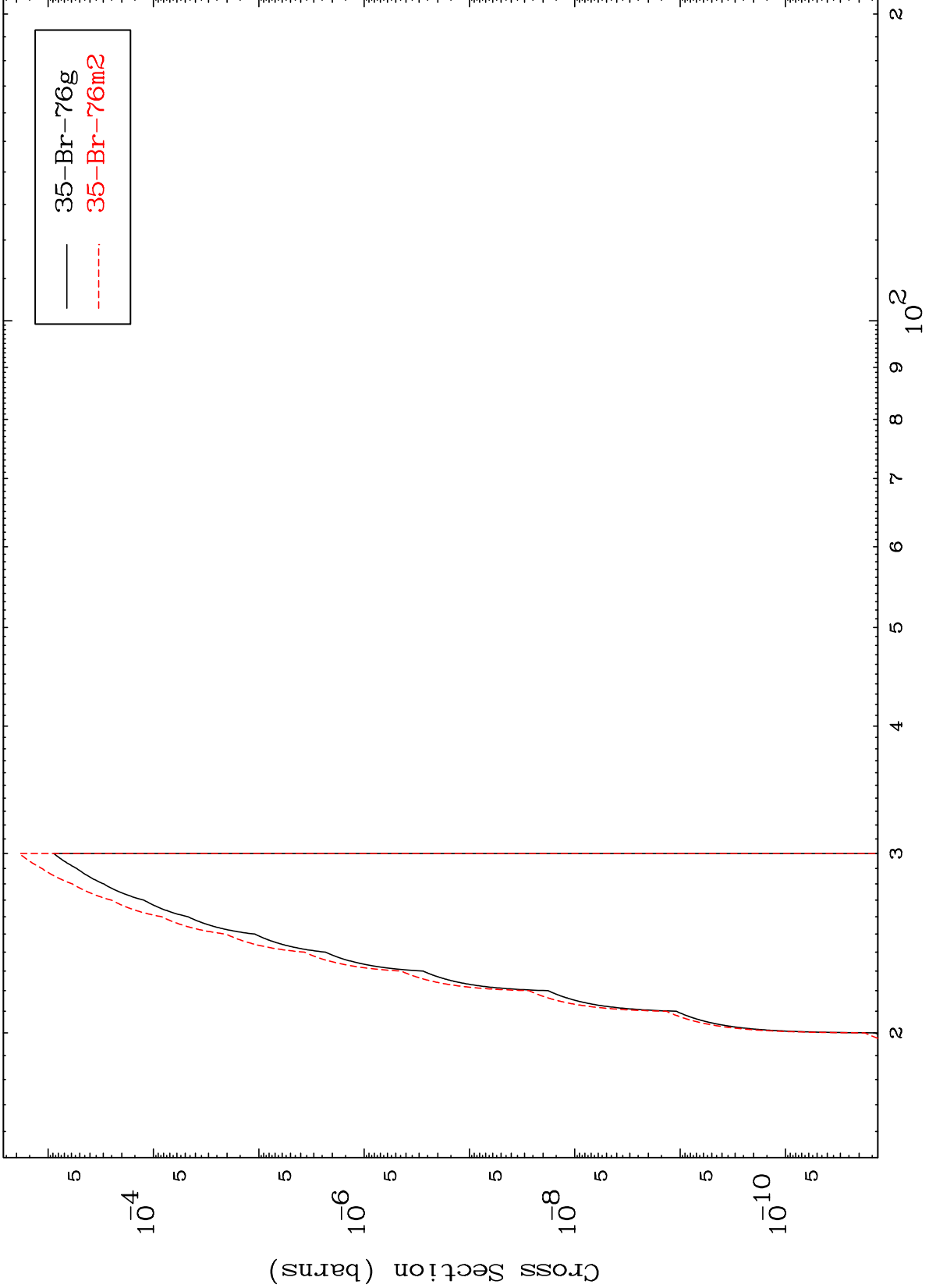
37-Rb-79

Incident Energy (MeV)

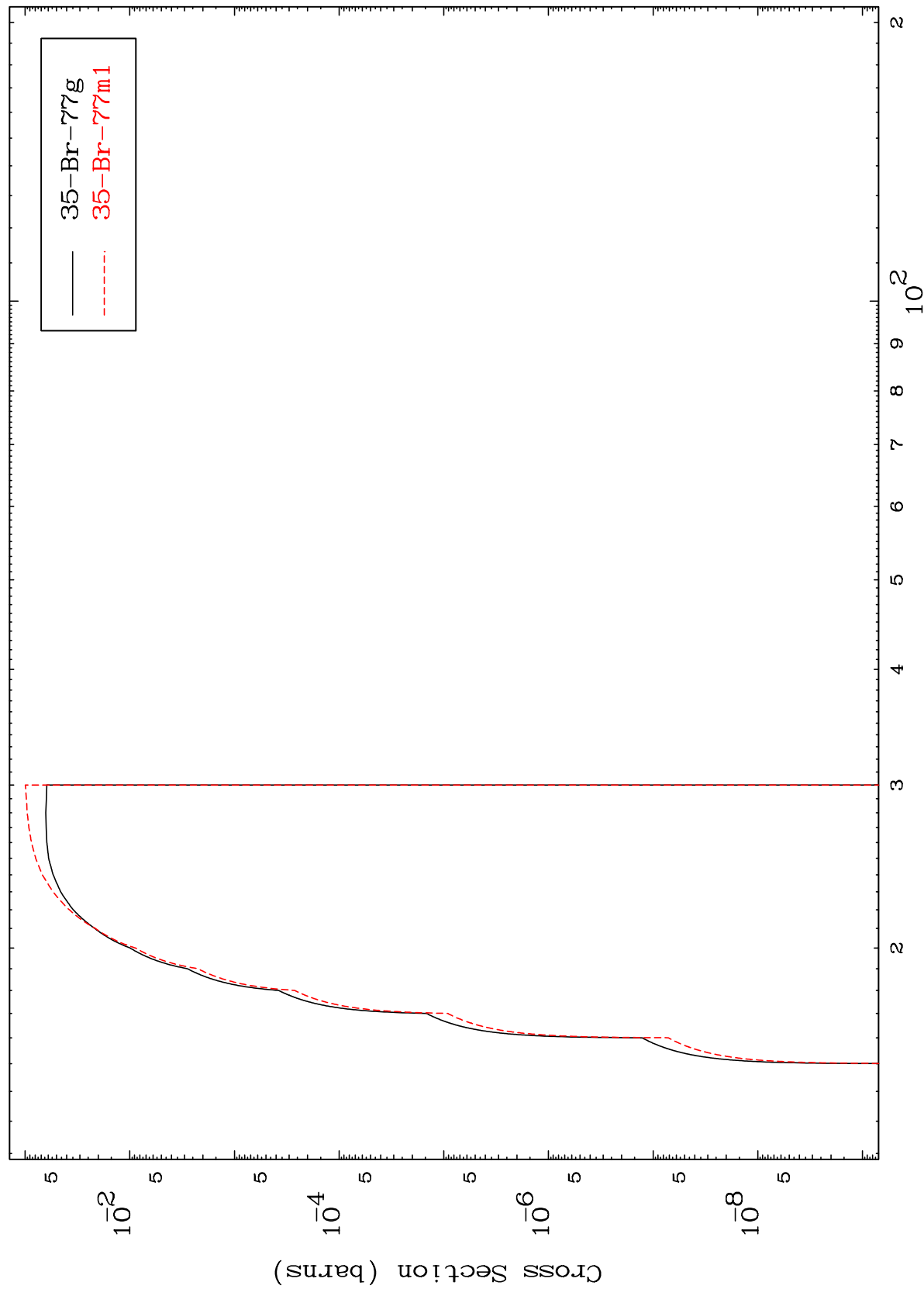
116



Radionuclide Production Cross Section



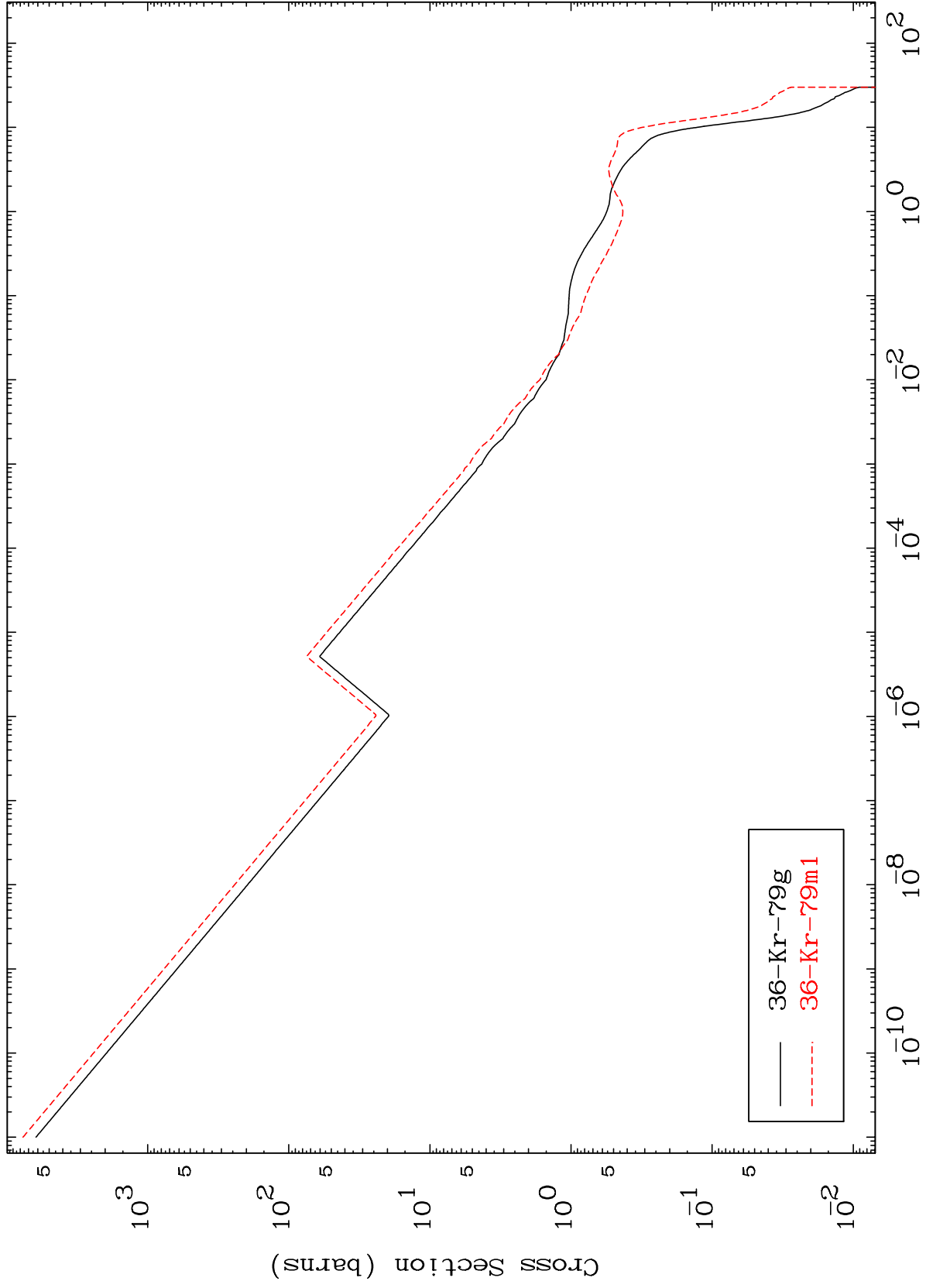
Radionuclide Production Cross Section



MAT 3707

³⁷Rb-79

(n,p)
Radionuclide Production Cross Section



— 36-Kr-79g
- - - 36-Kr-79m1

120

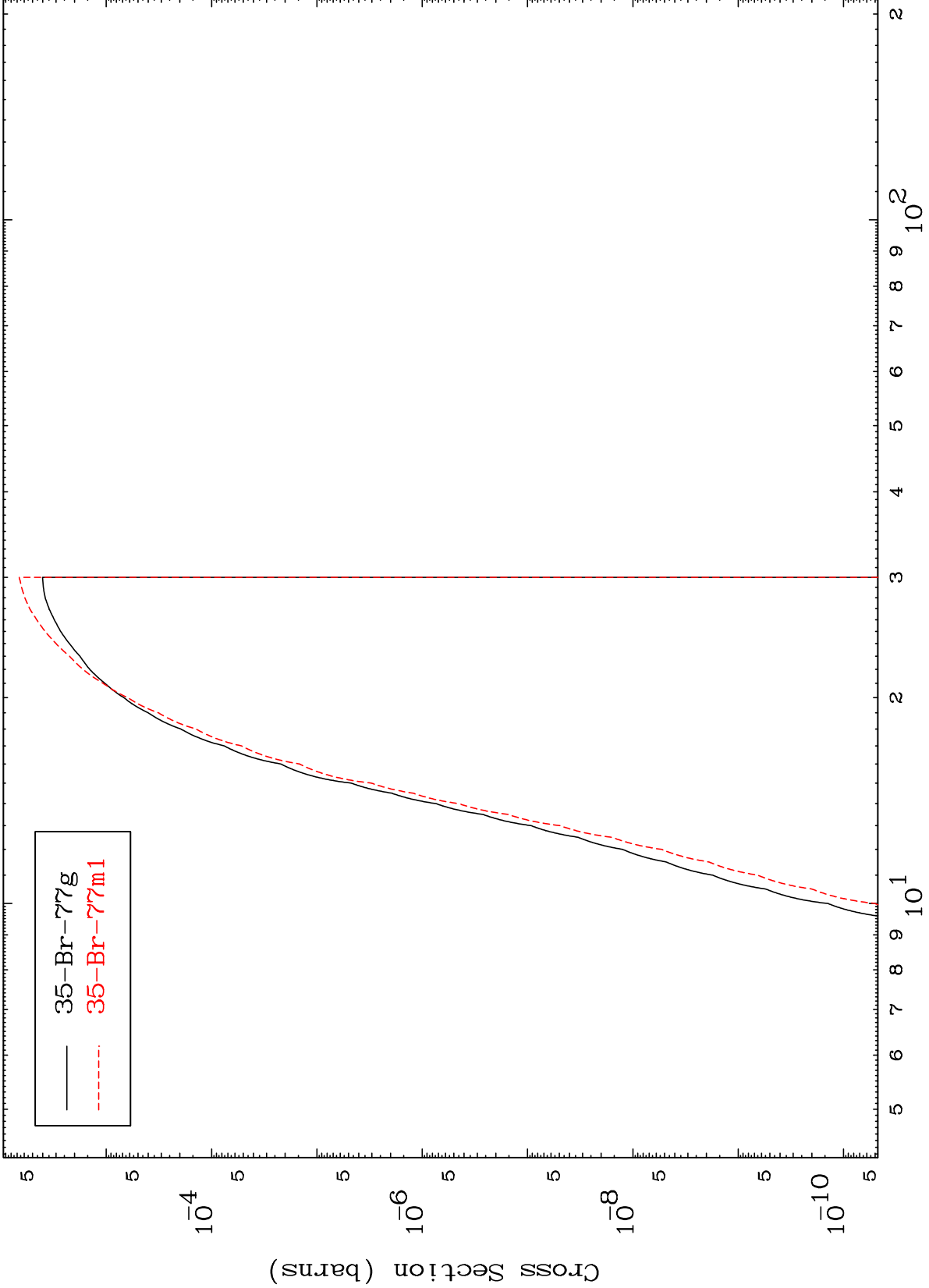
³⁷Rb-79

MAT 3707

(n,He-3)

37-Rb-79

Radionuclide Production Cross Section



35-Br-77g
35-Br-77m1

121

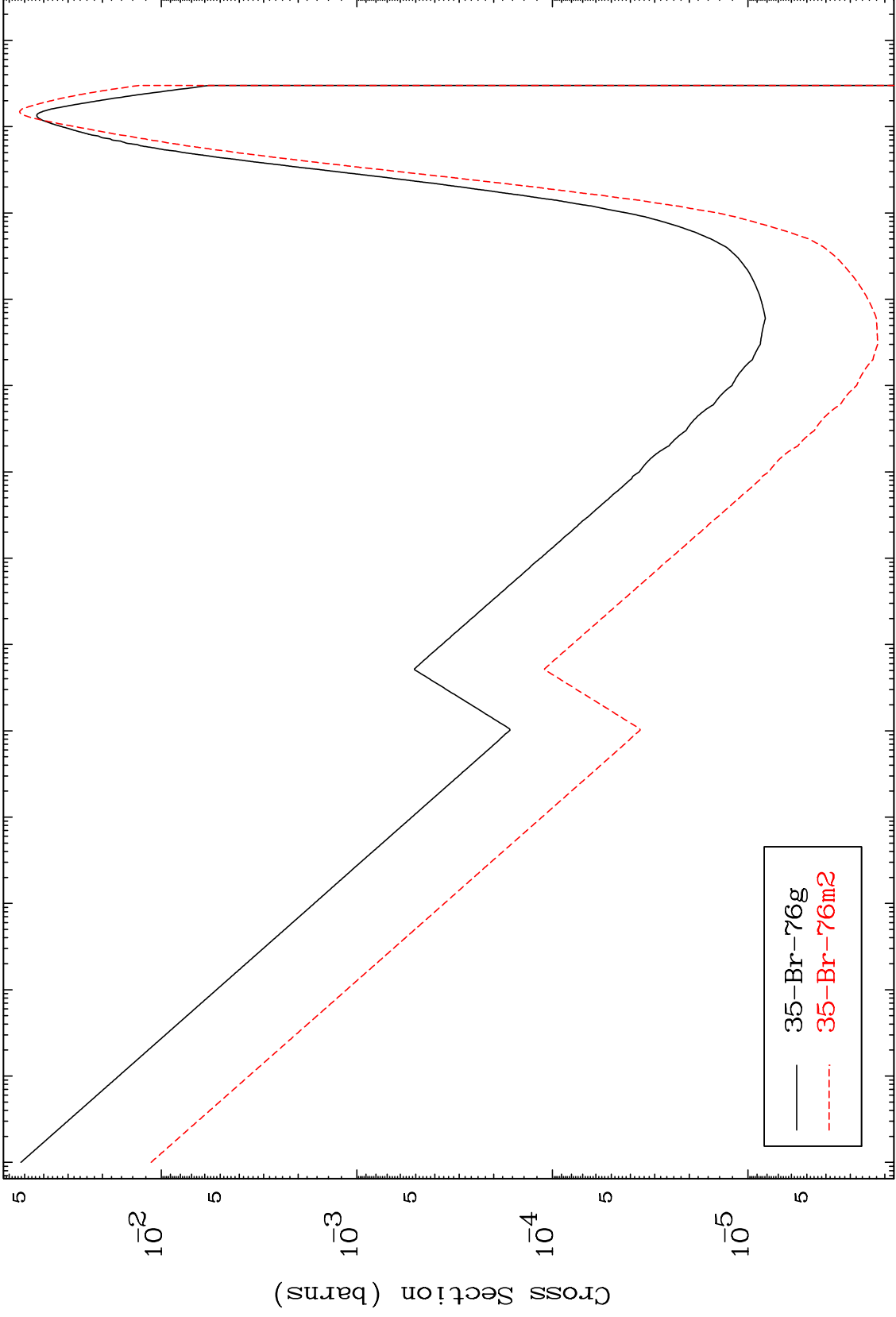
Incident Energy (MeV)

37-Rb-79

MAT 3707

Radionuclide Production Cross Section
(n, α)

$^{37}\text{Rb-79}$



122

Incident Energy (MeV)

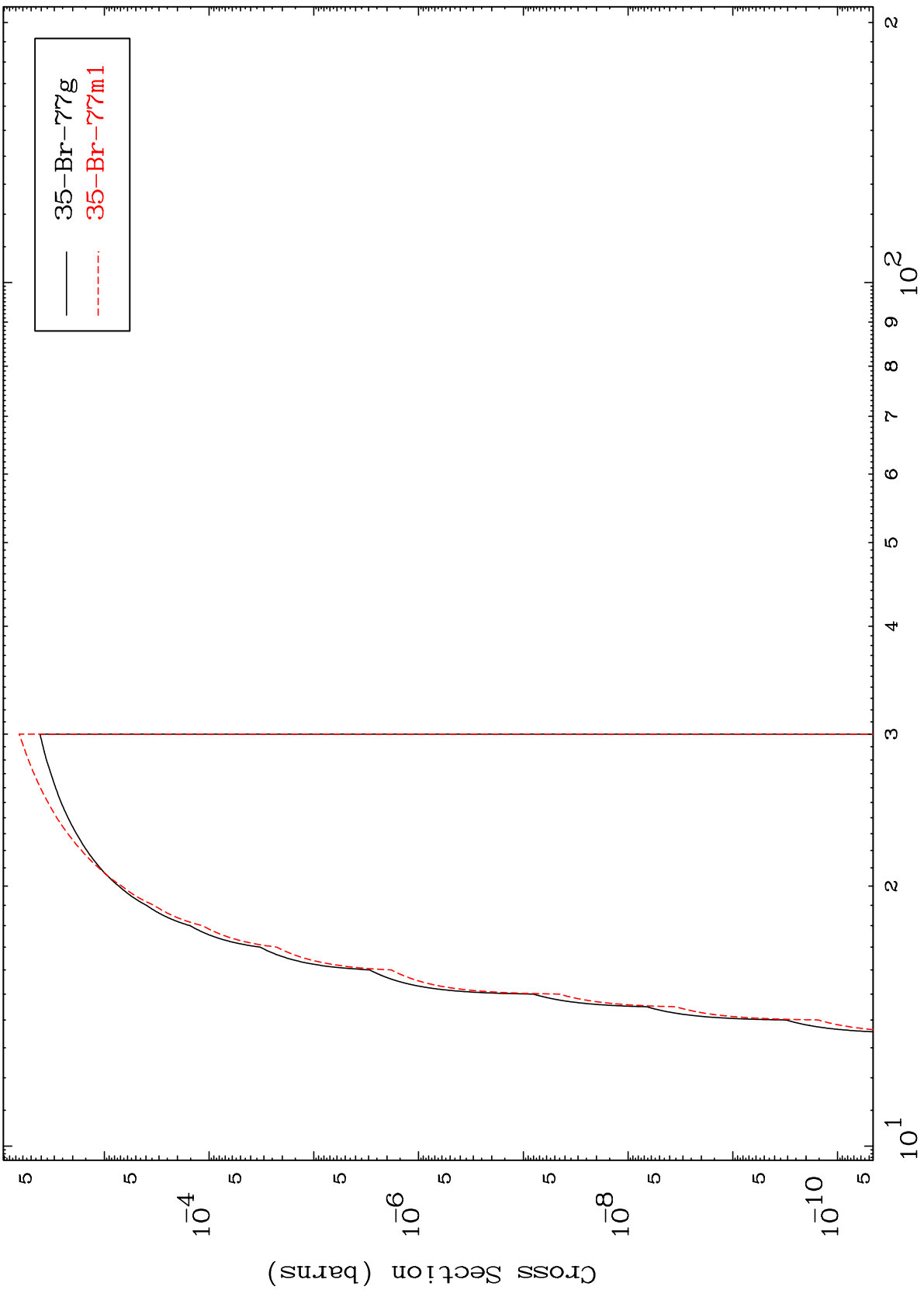
$^{37}\text{Rb-79}$

MAT 3707

(n,p) d

37-Rb-79

Radionuclide Production Cross Section



123

Incident Energy (MeV)

37-Rb-79

Radionuclide Production Cross Section

