

Program EVALPLOT
(Version 2015-2)

by

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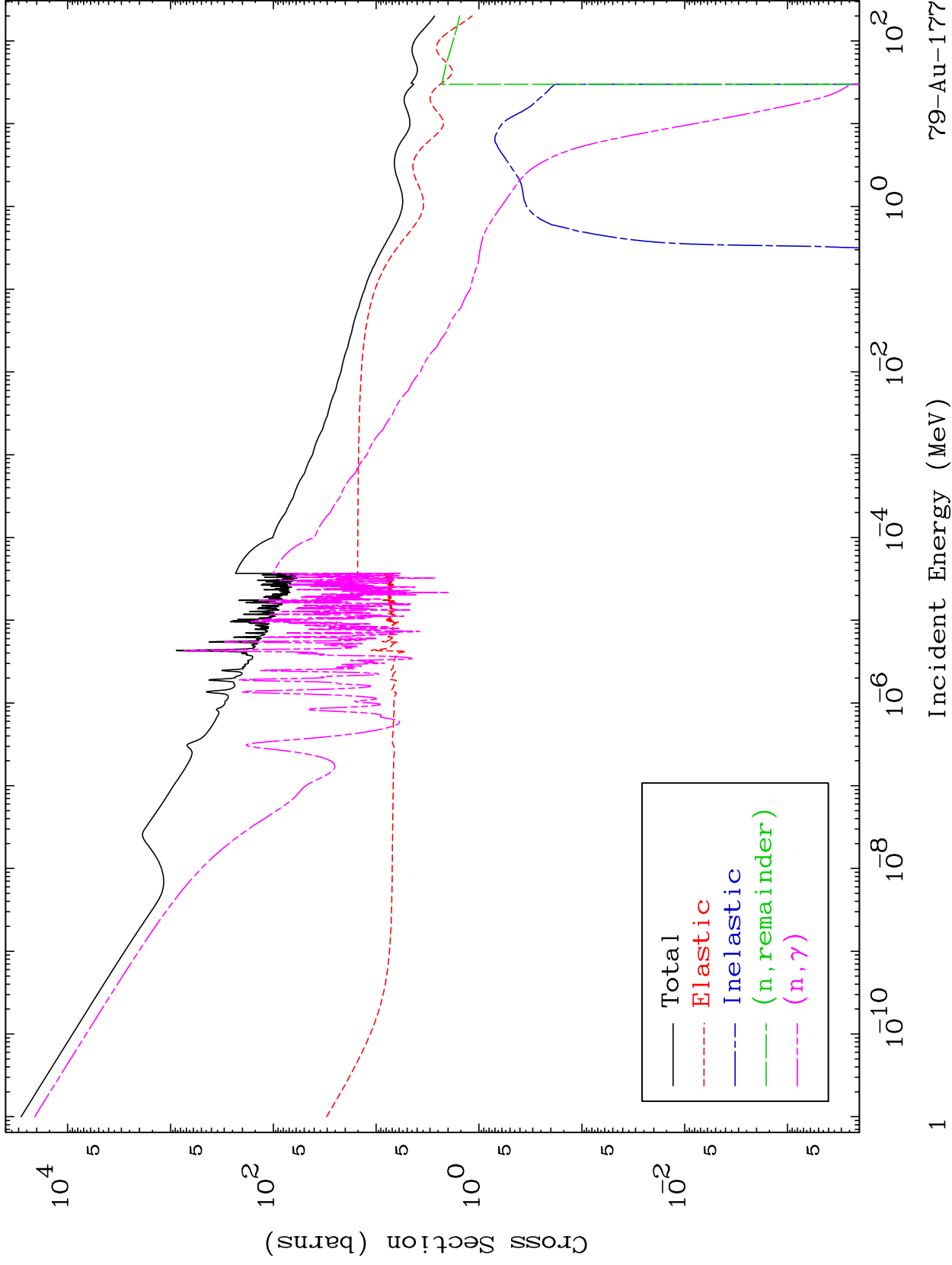
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 7865

Major
293 Kelvin Cross Sections

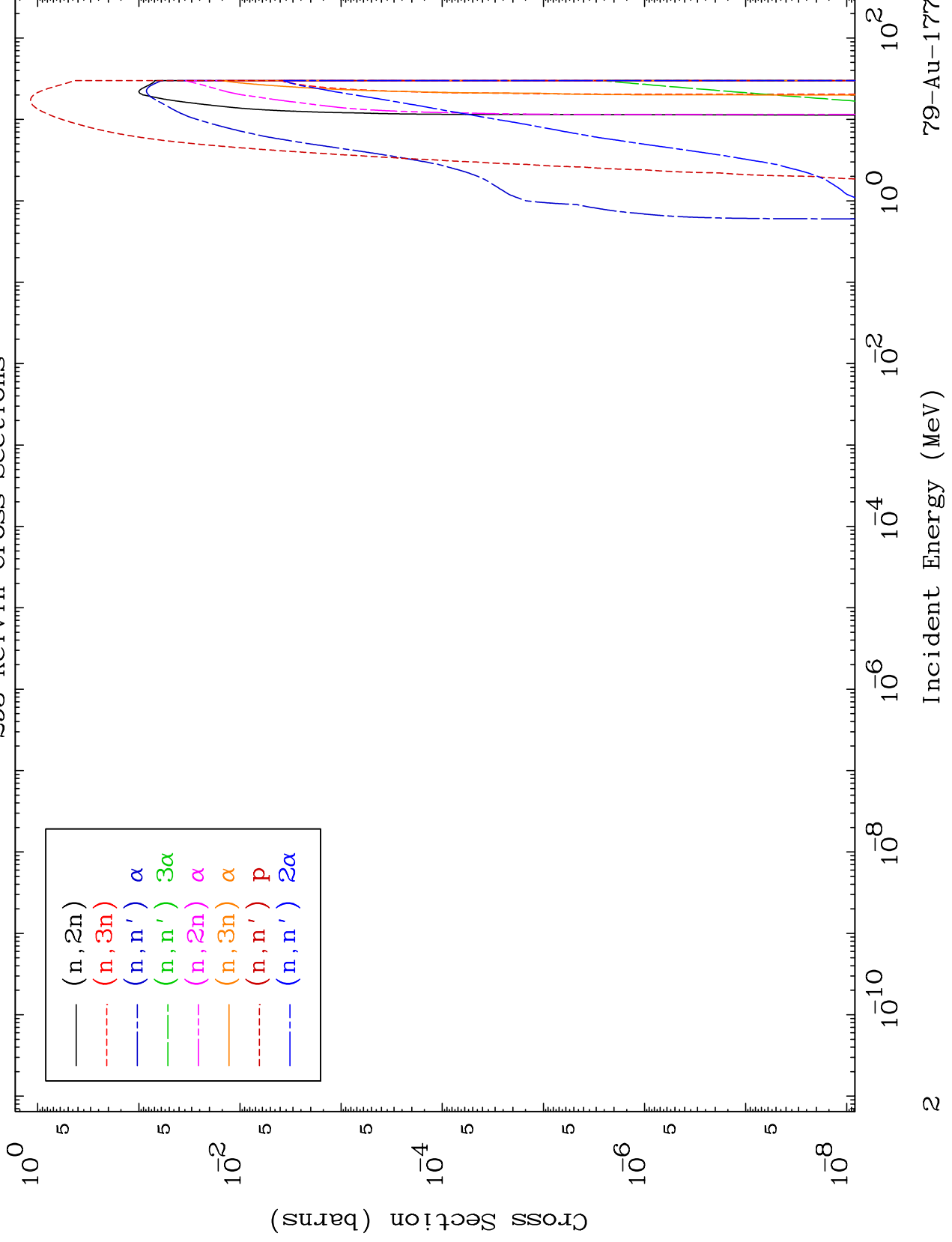
79-Au-177



MAT 7865

Neutron Production
293 Kelvin Cross Sections

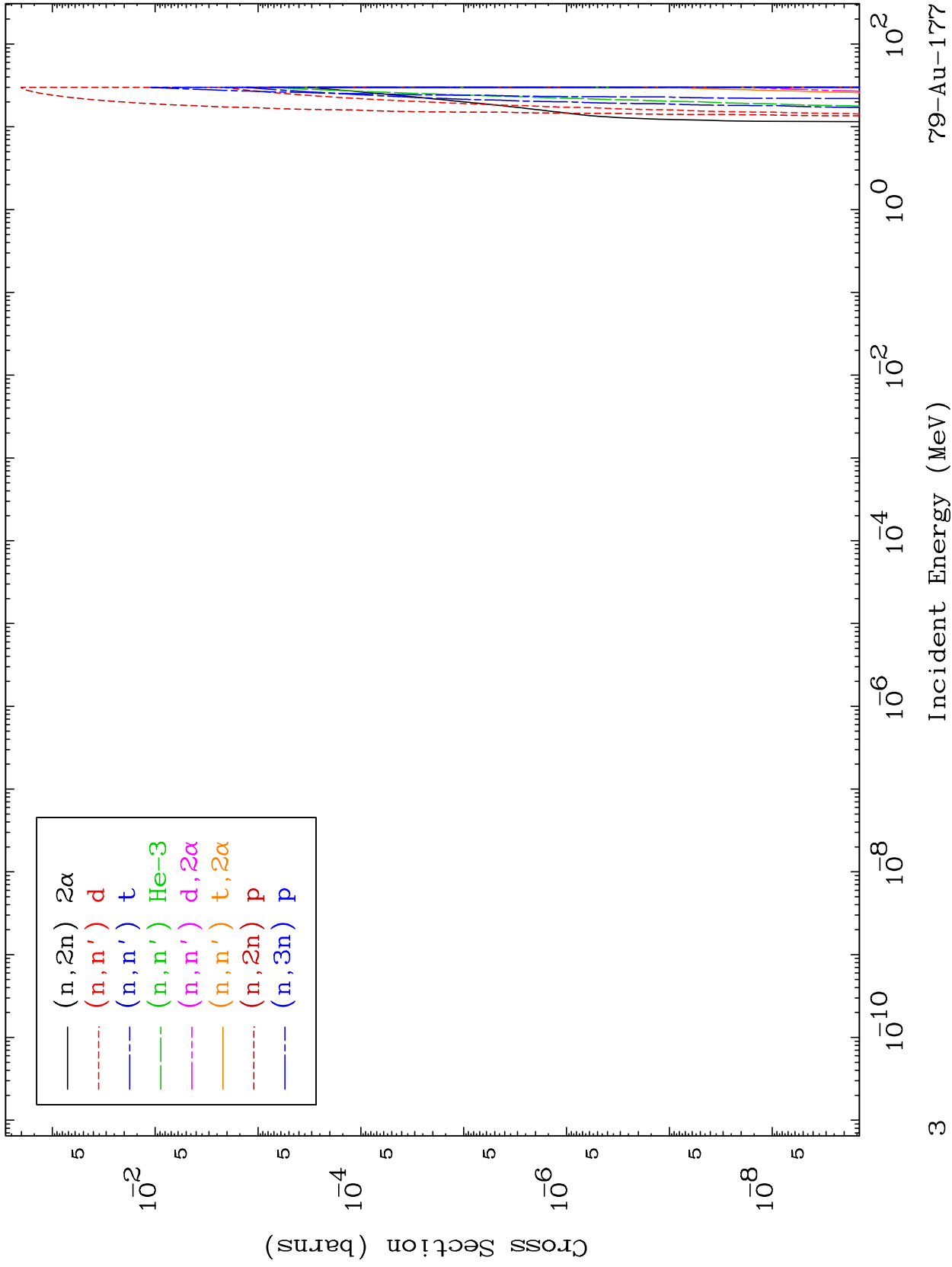
79-Au-177



MAT 7865

Neutron Production
293 Kelvin Cross Sections

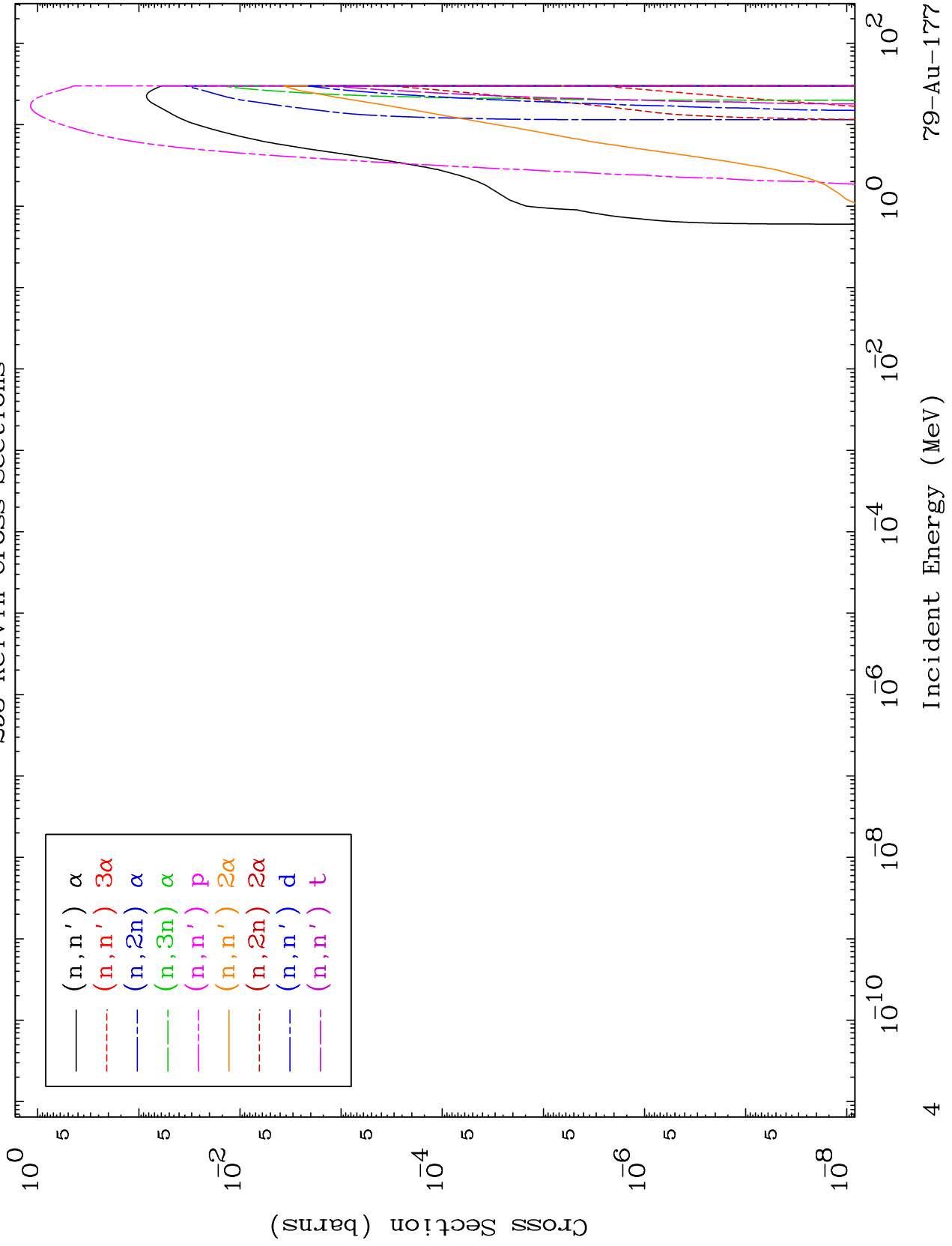
79-Au-177



MAT 7865

Charged Particle
293 Kelvin Cross Sections

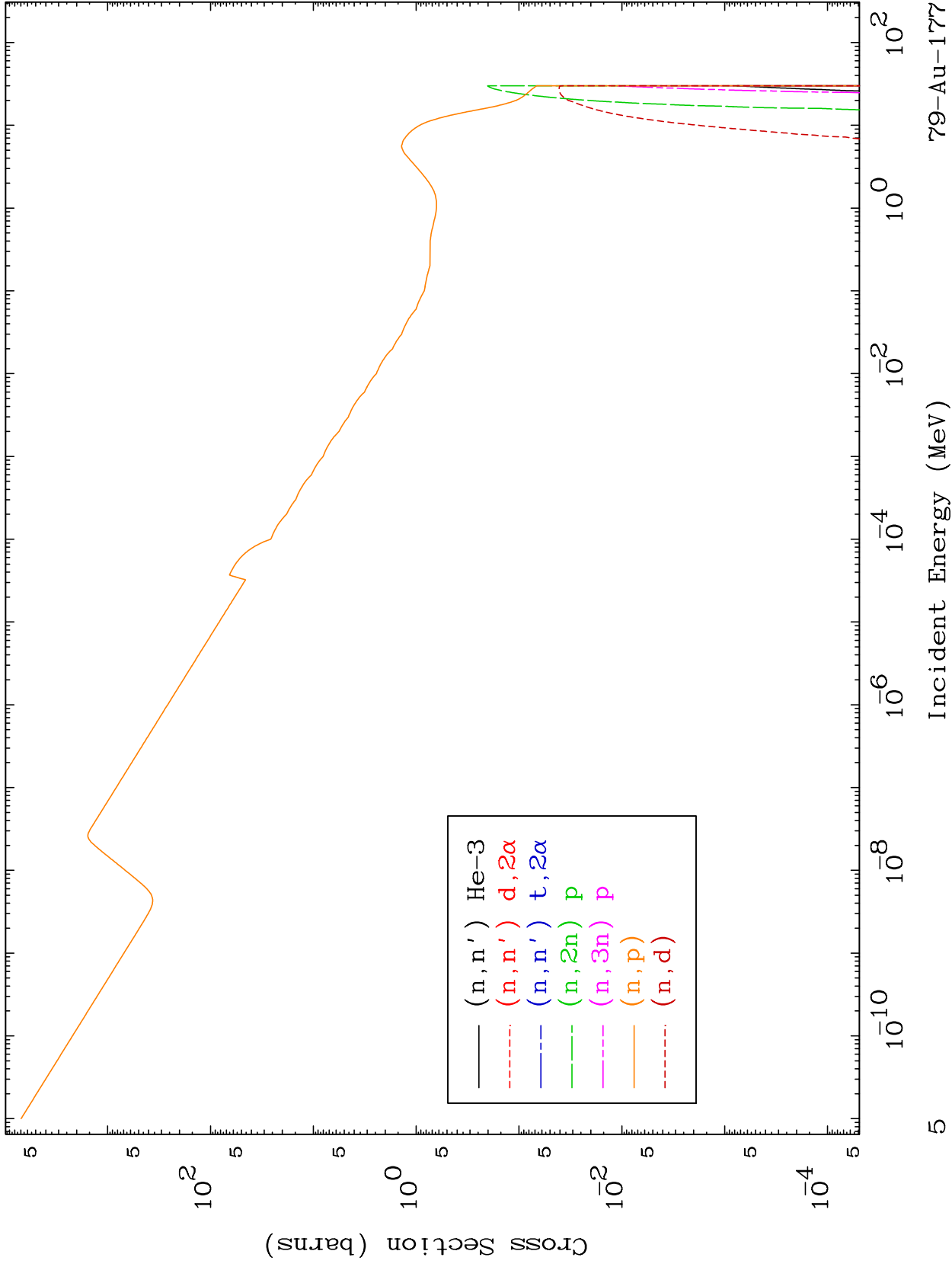
79-Au-177



MAT 7865

Charged Particle
293 Kelvin Cross Sections

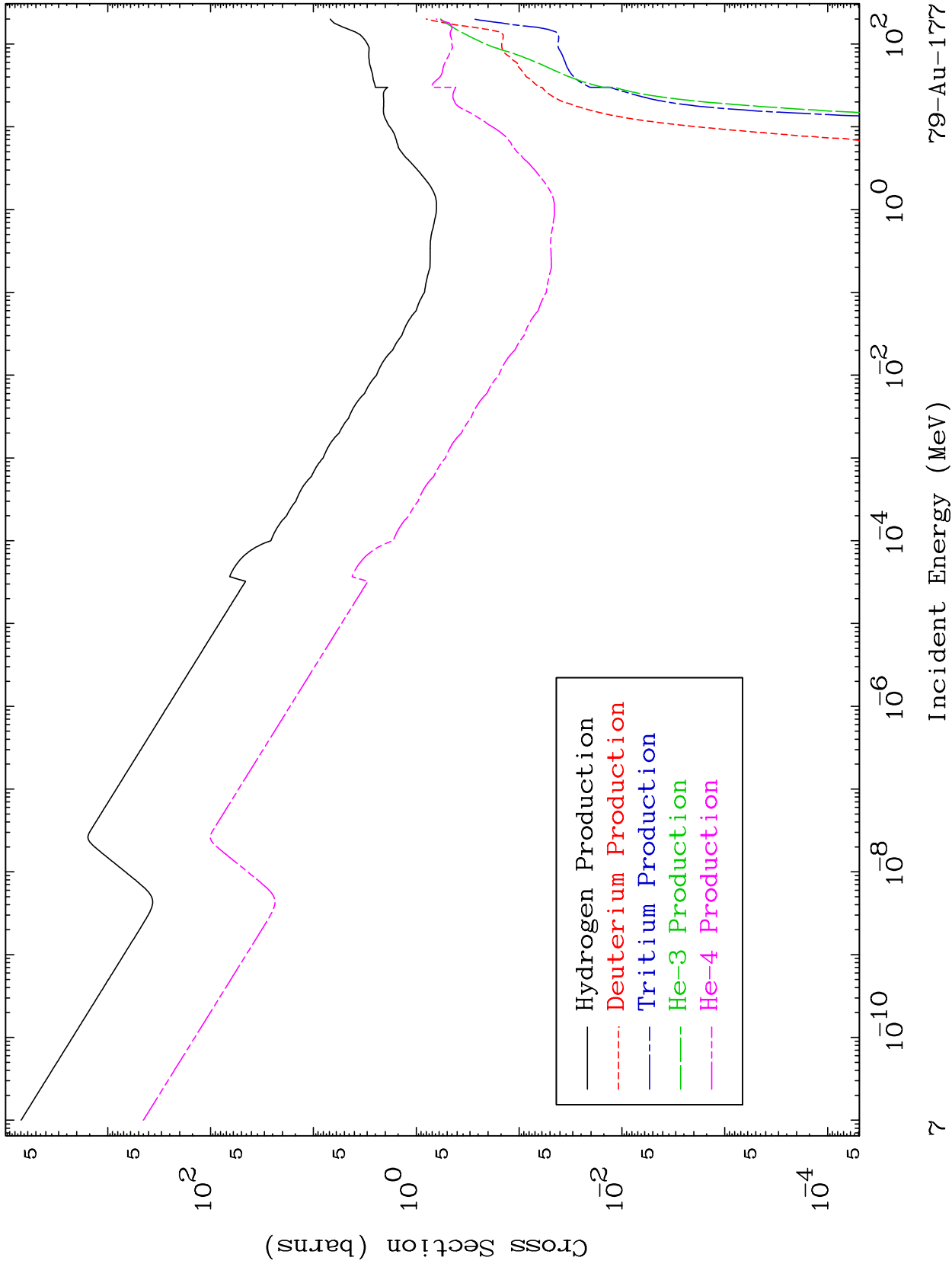
79-Au-177



MAT 7865

Particle Production
293 Kelvin Cross Sections

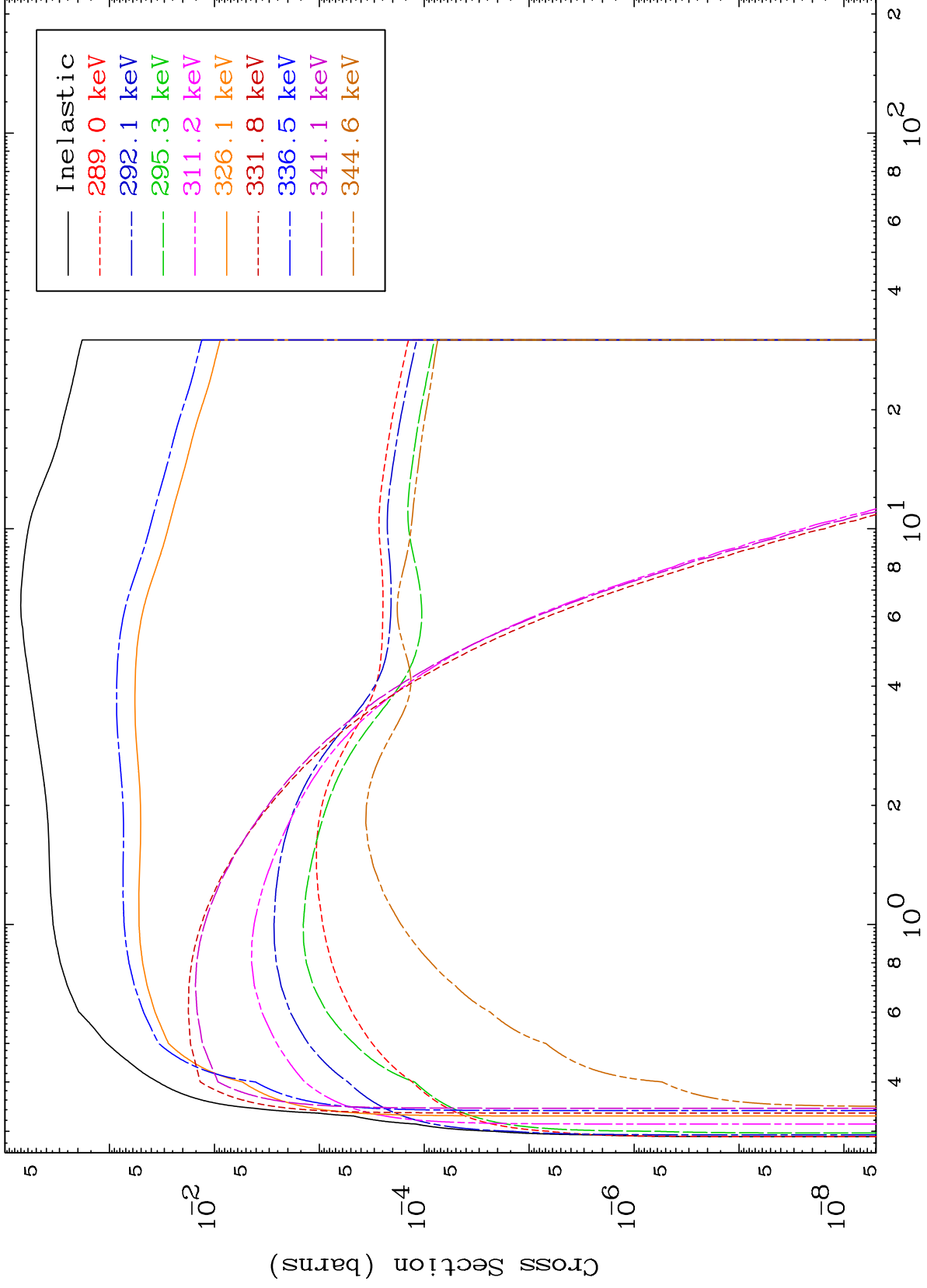
79-Au-177



MAT 7865

(n,n') Level
293 Kelvin Cross Sections

79-Au-177



8

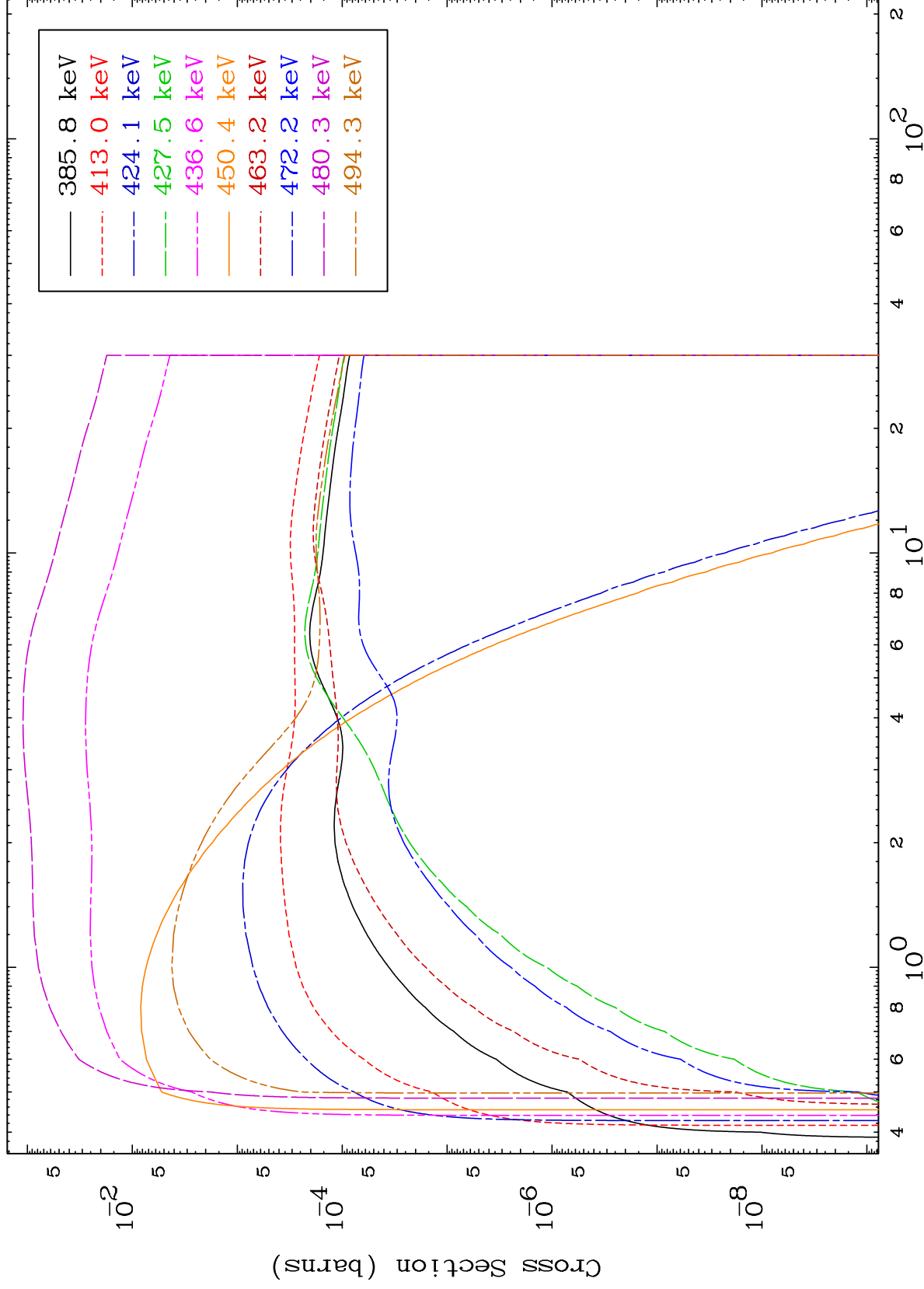
Incident Energy (MeV)

79-Au-177

MAT 7865

(n,n') Level
293 Kelvin Cross Sections

79-Au-177



9

Incident Energy (MeV)

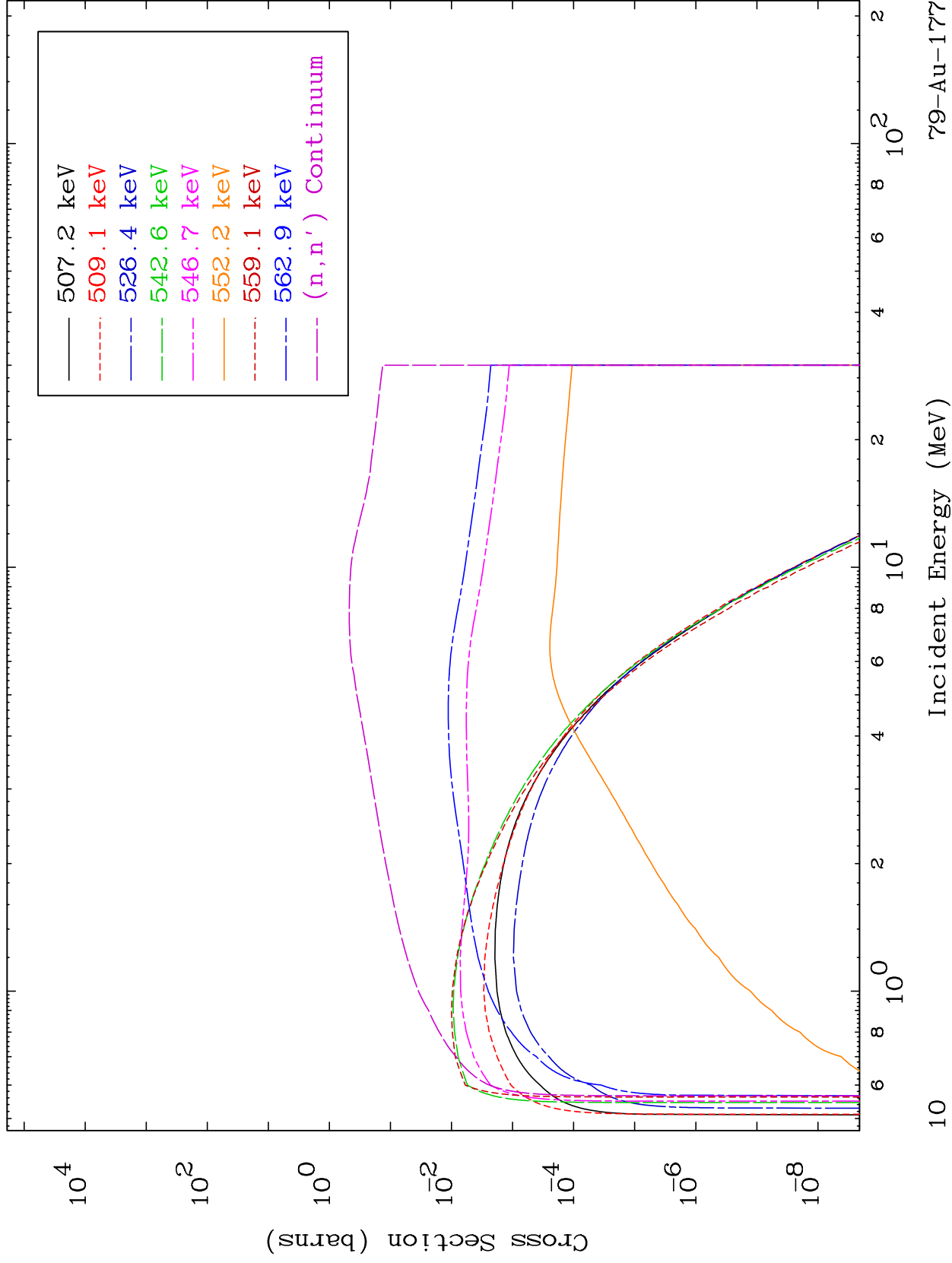
79-Au-177

MAT 7865

(n,n') Level

79-Au-177

293 Kelvin Cross Sections



10

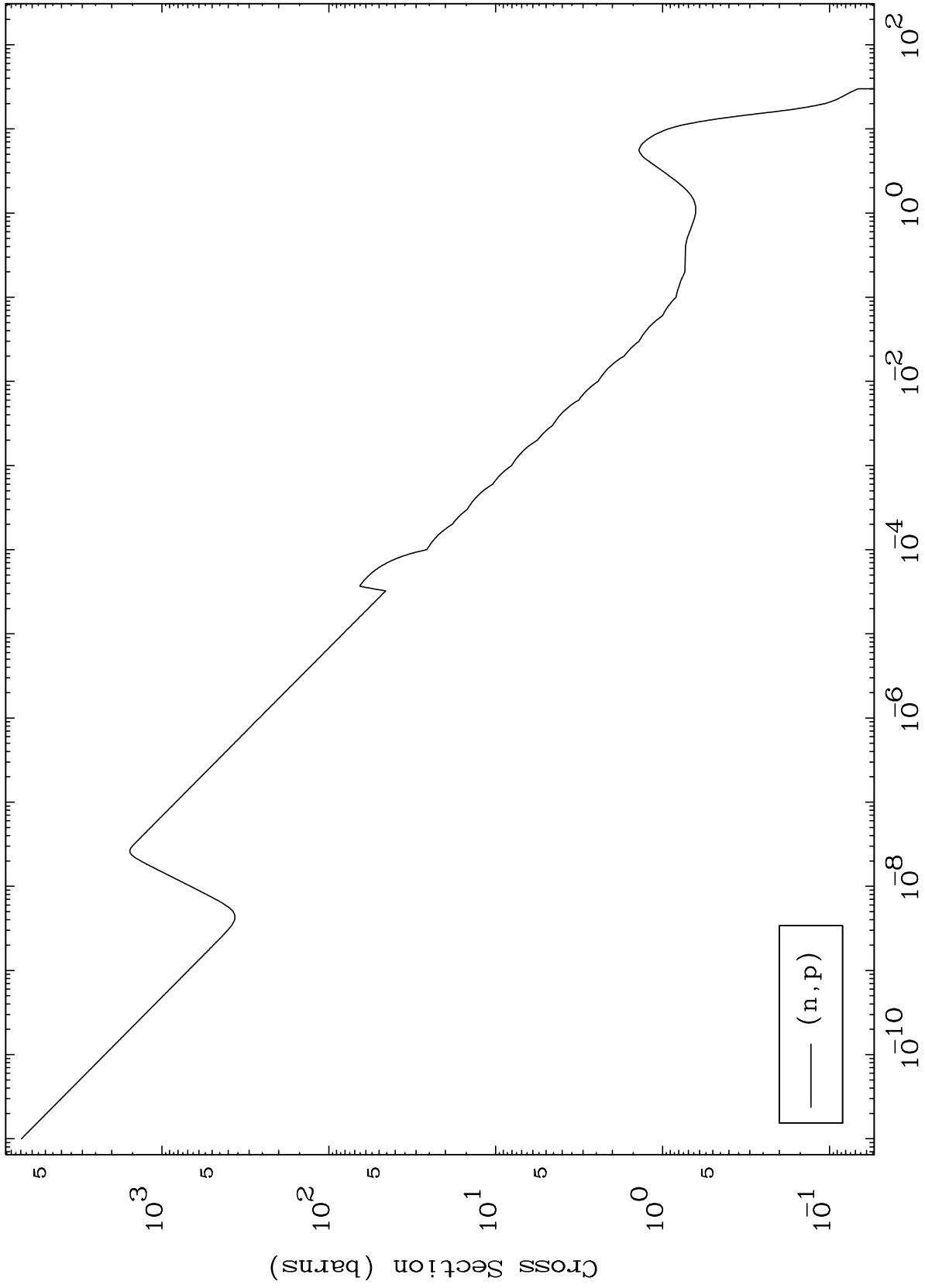
Incident Energy (MeV)

79-Au-177

MAT 7865

(n,p) Levels
293 Kelvin Cross Sections

79-Au-177



(n,p)

79-Au-177

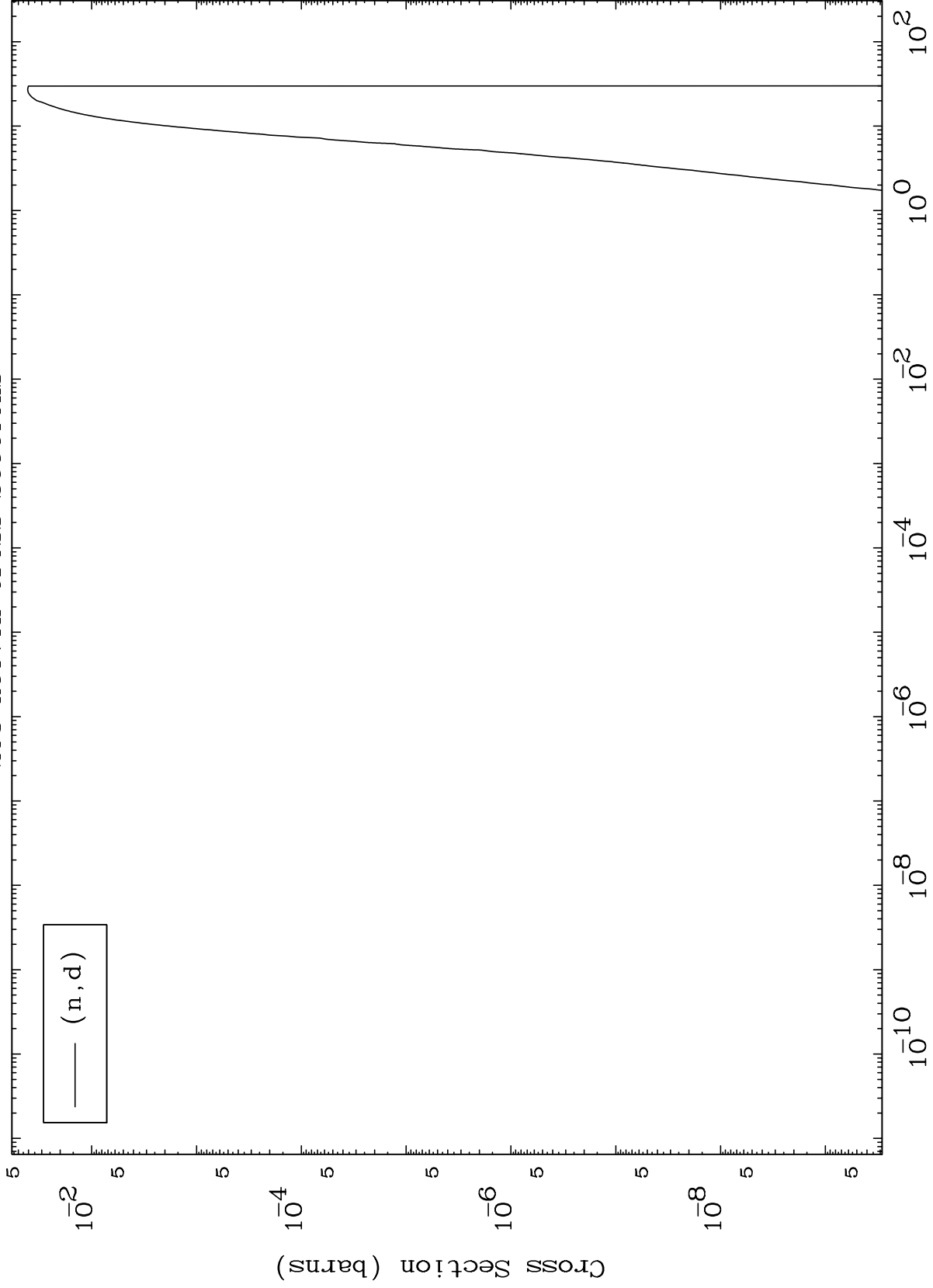
Incident Energy (MeV)

11

MAT 7865

(n,d) Levels
293 Kelvin Cross Sections

79-Au-177



12

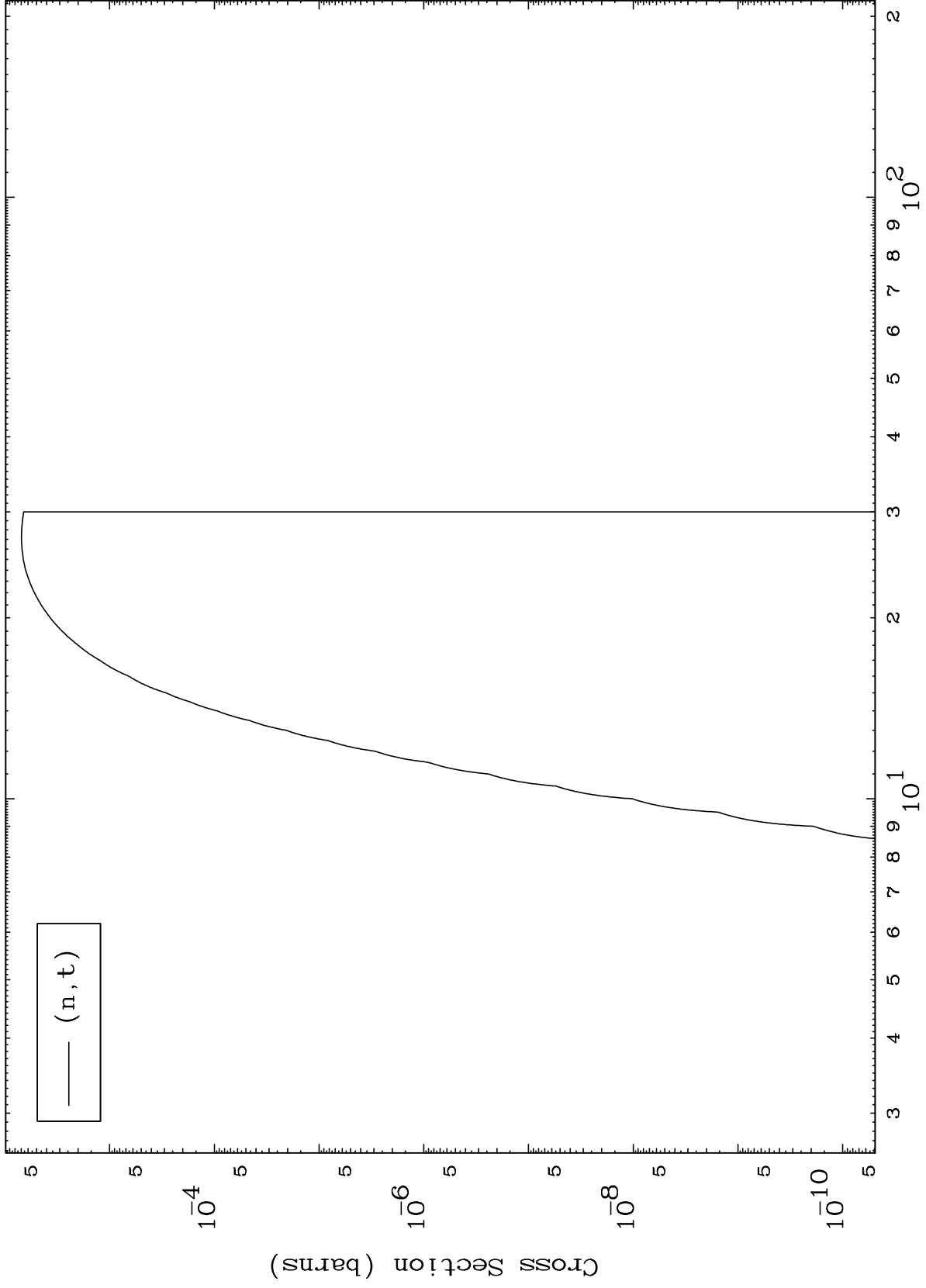
Incident Energy (MeV)

79-Au-177

MAT 7865

(n,t) Levels
293 Kelvin Cross Sections

79-Au-177

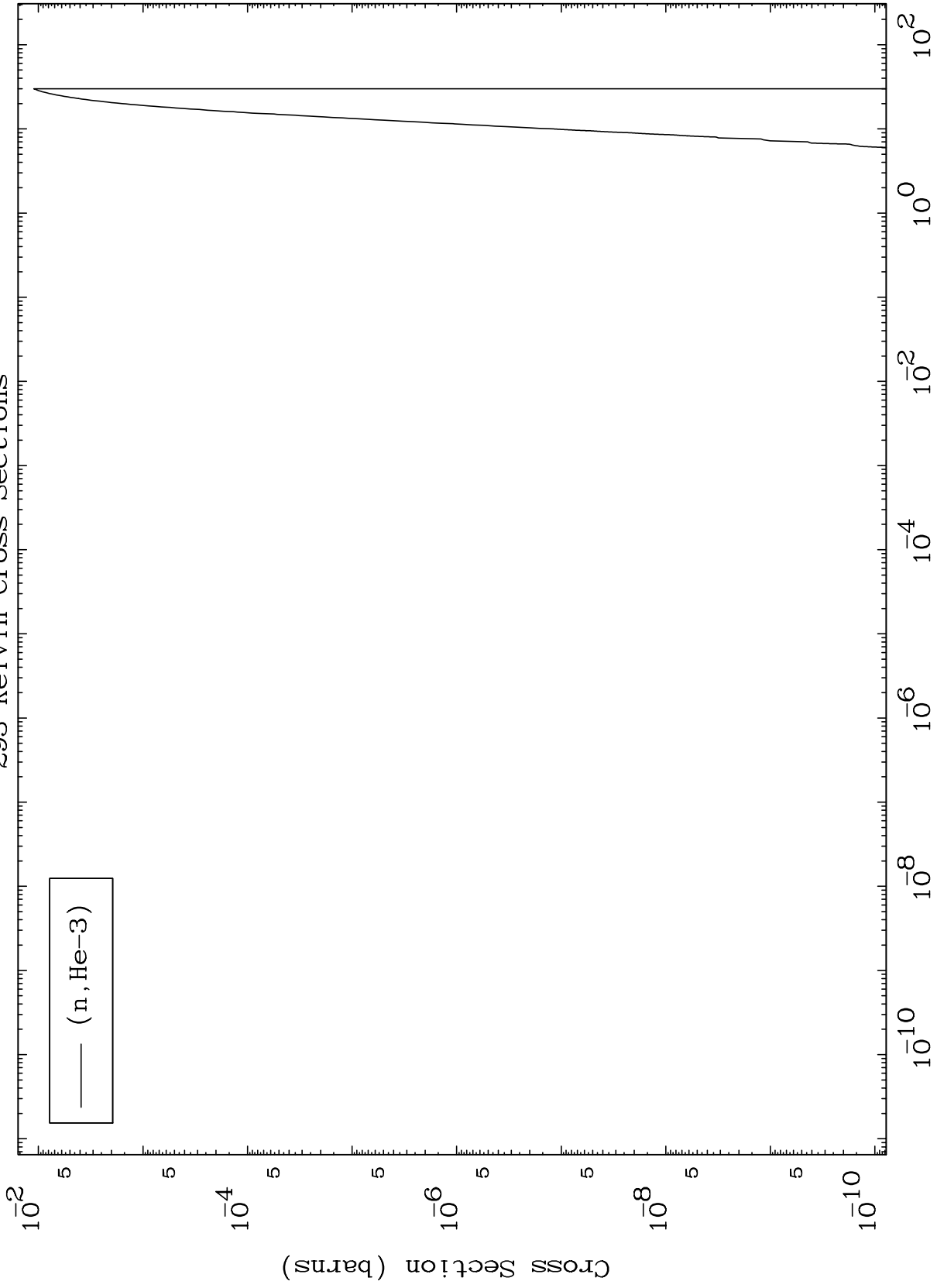


(n,t)

MAT 7865

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-177

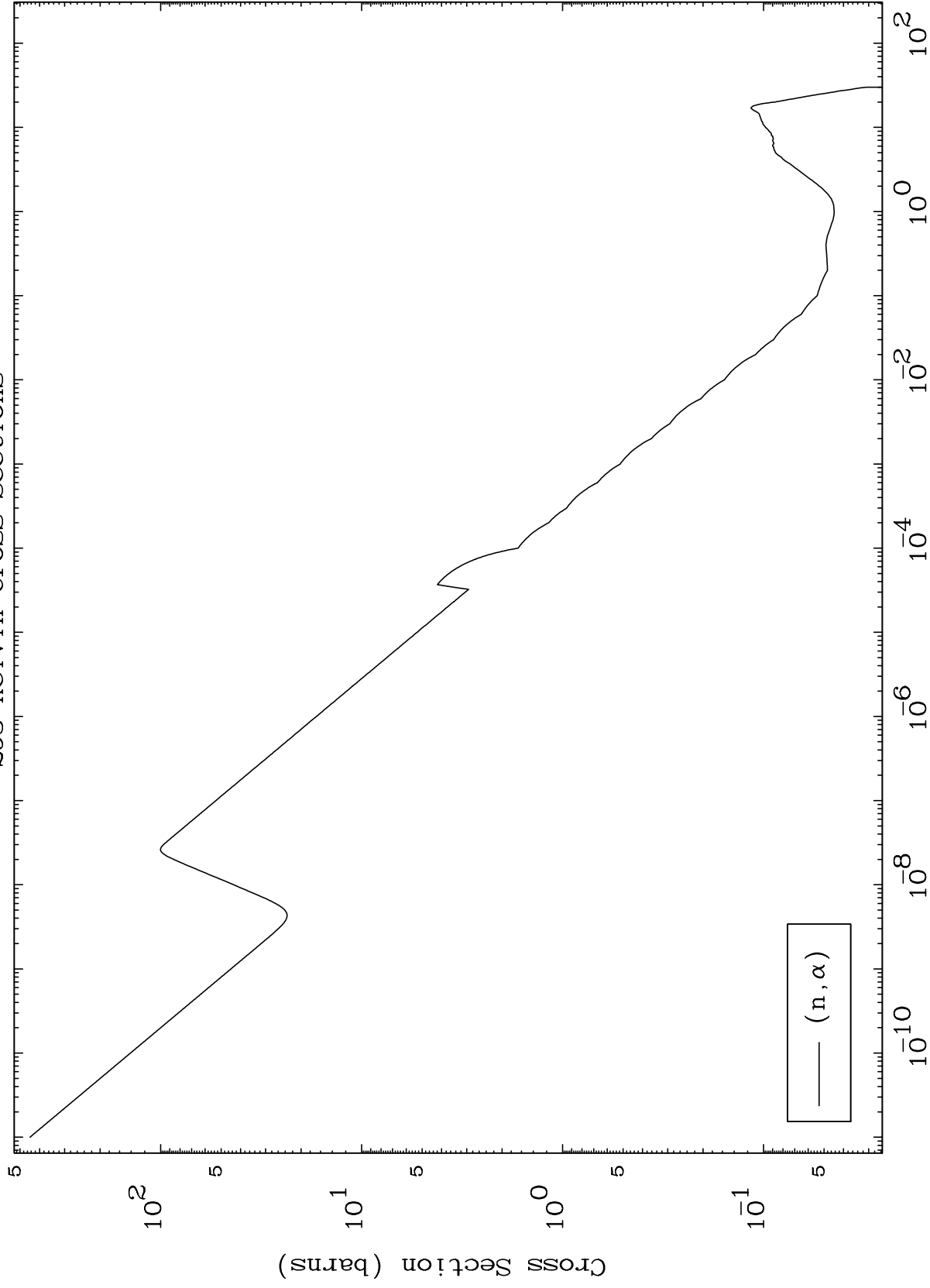


(n, He-3)

MAT 7865

(n,α) Levels
293 Kelvin Cross Sections

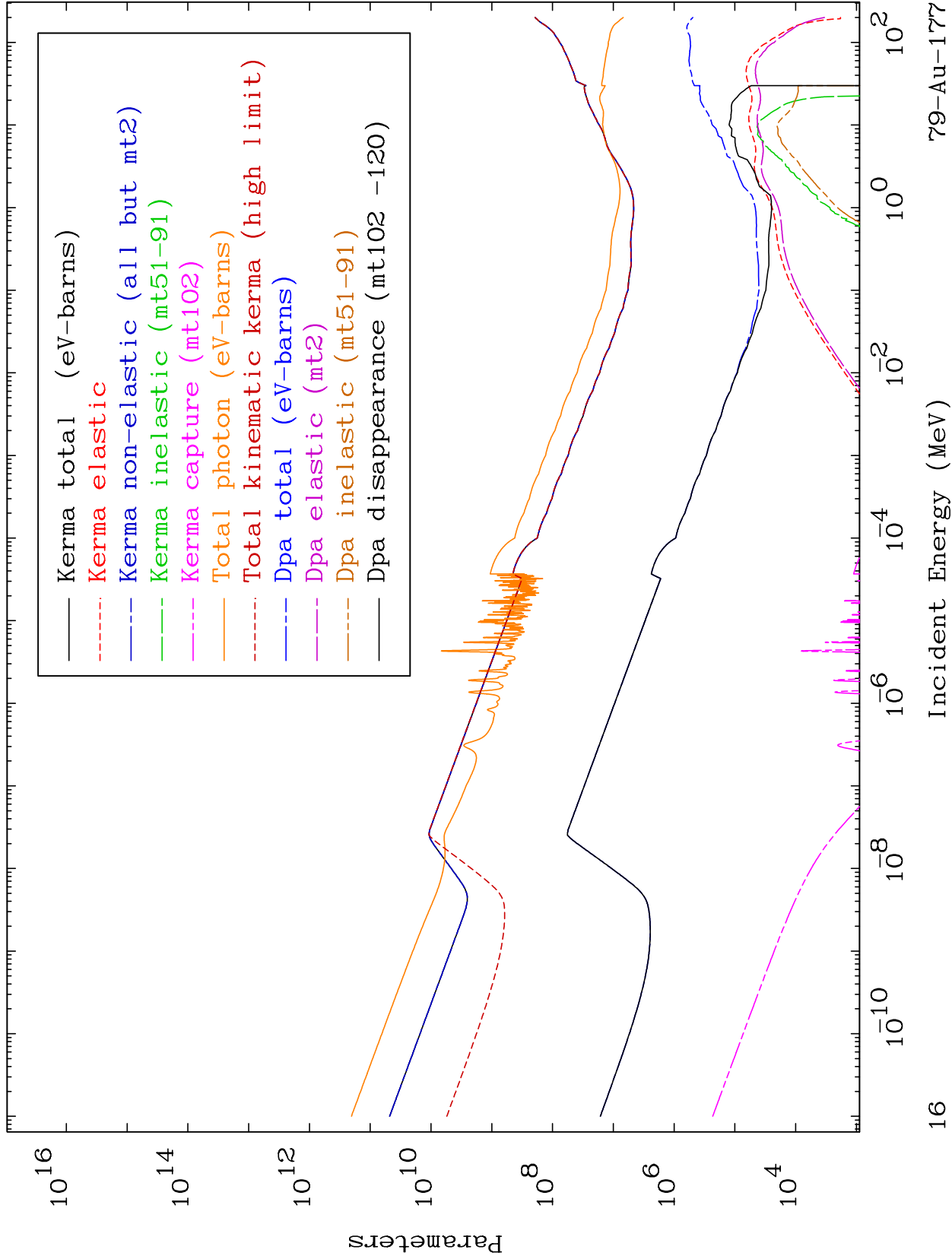
79-Au-177



15

Incident Energy (MeV)

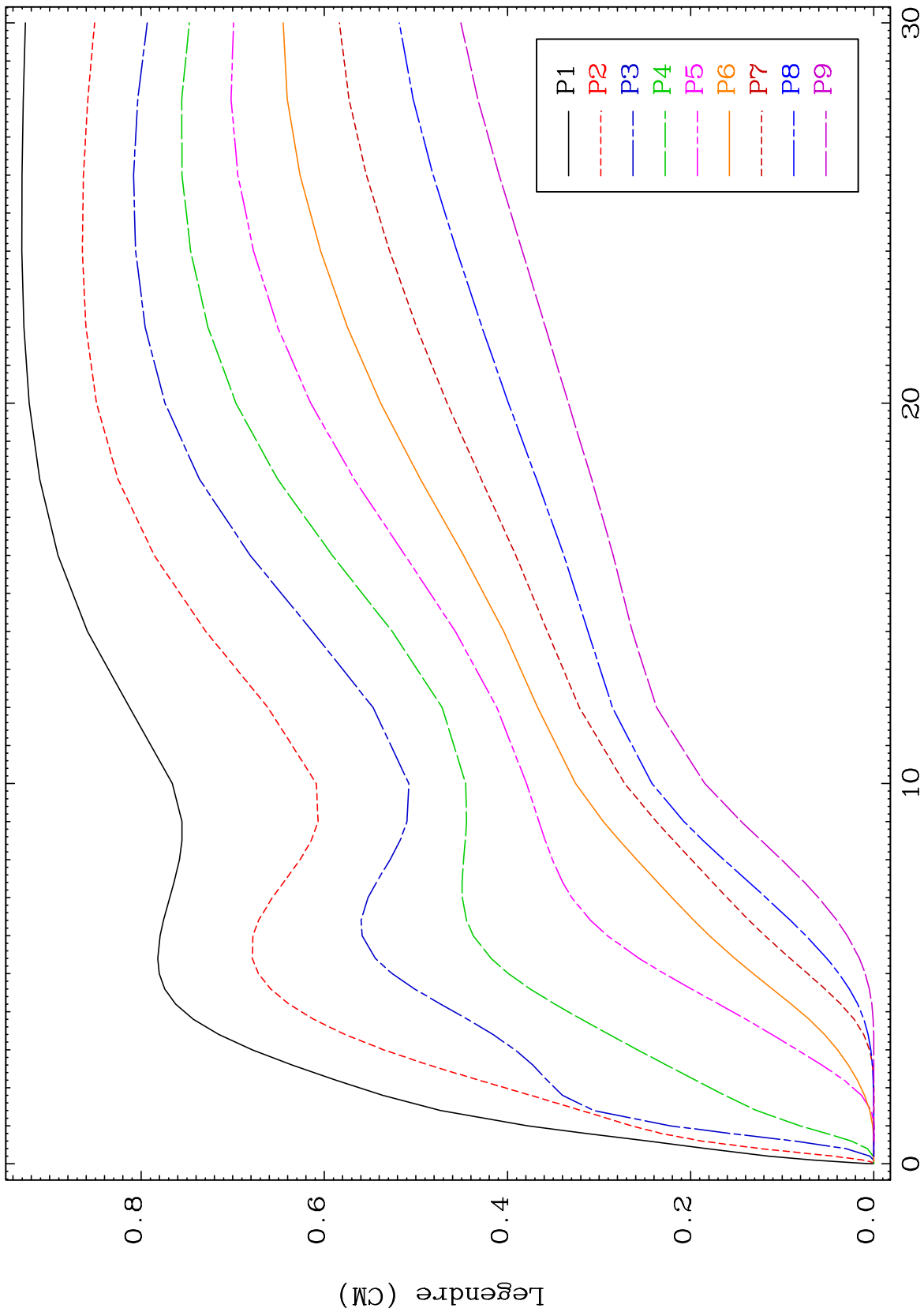
79-Au-177



MAT 7865

Elastic Legendre Coefficients

⁷⁹Au-¹⁷⁷



17

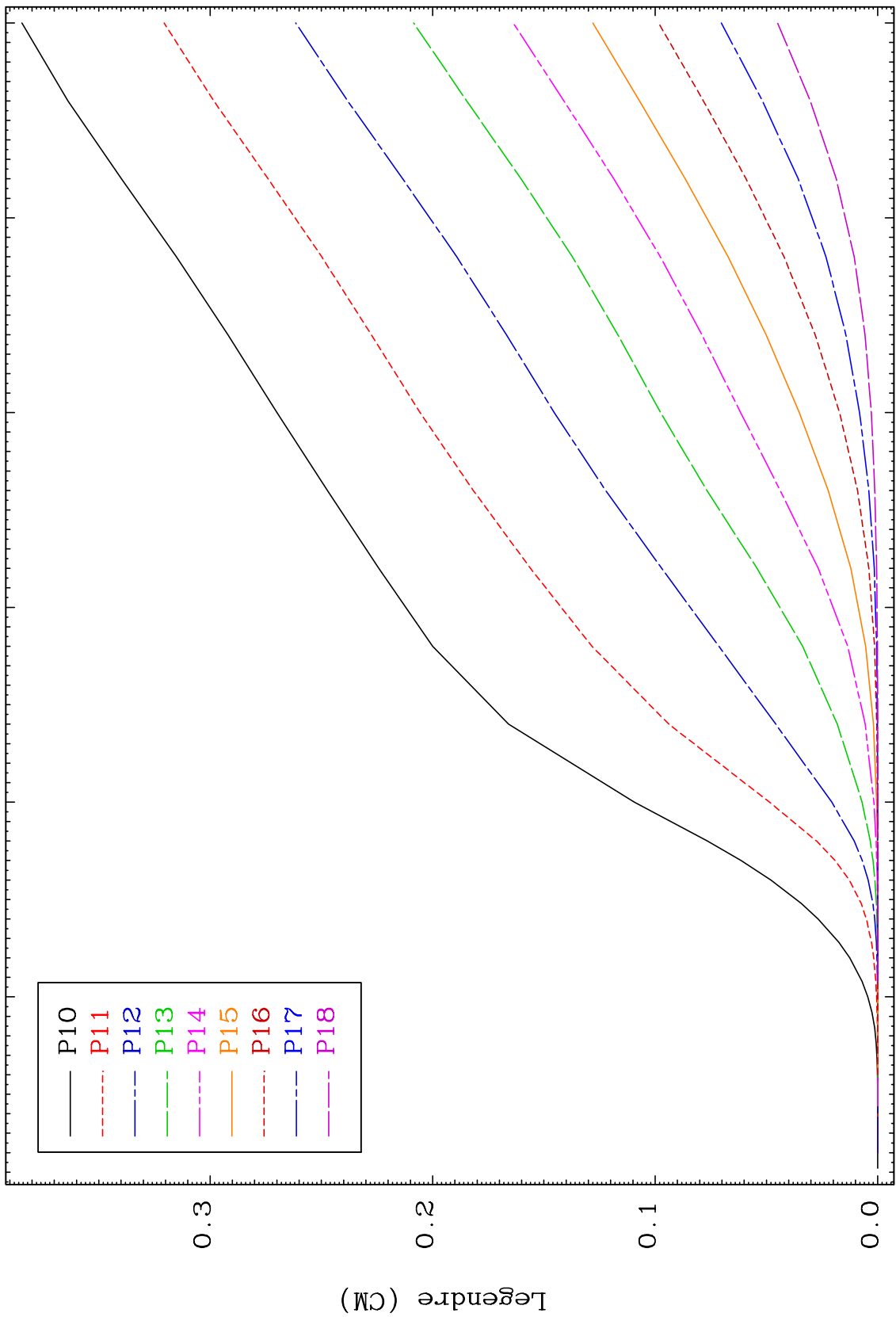
Incident Energy (MeV)

⁷⁹Au-¹⁷⁷

MAT 7865

Elastic Legendre Coefficients

⁷⁹Au-177



18

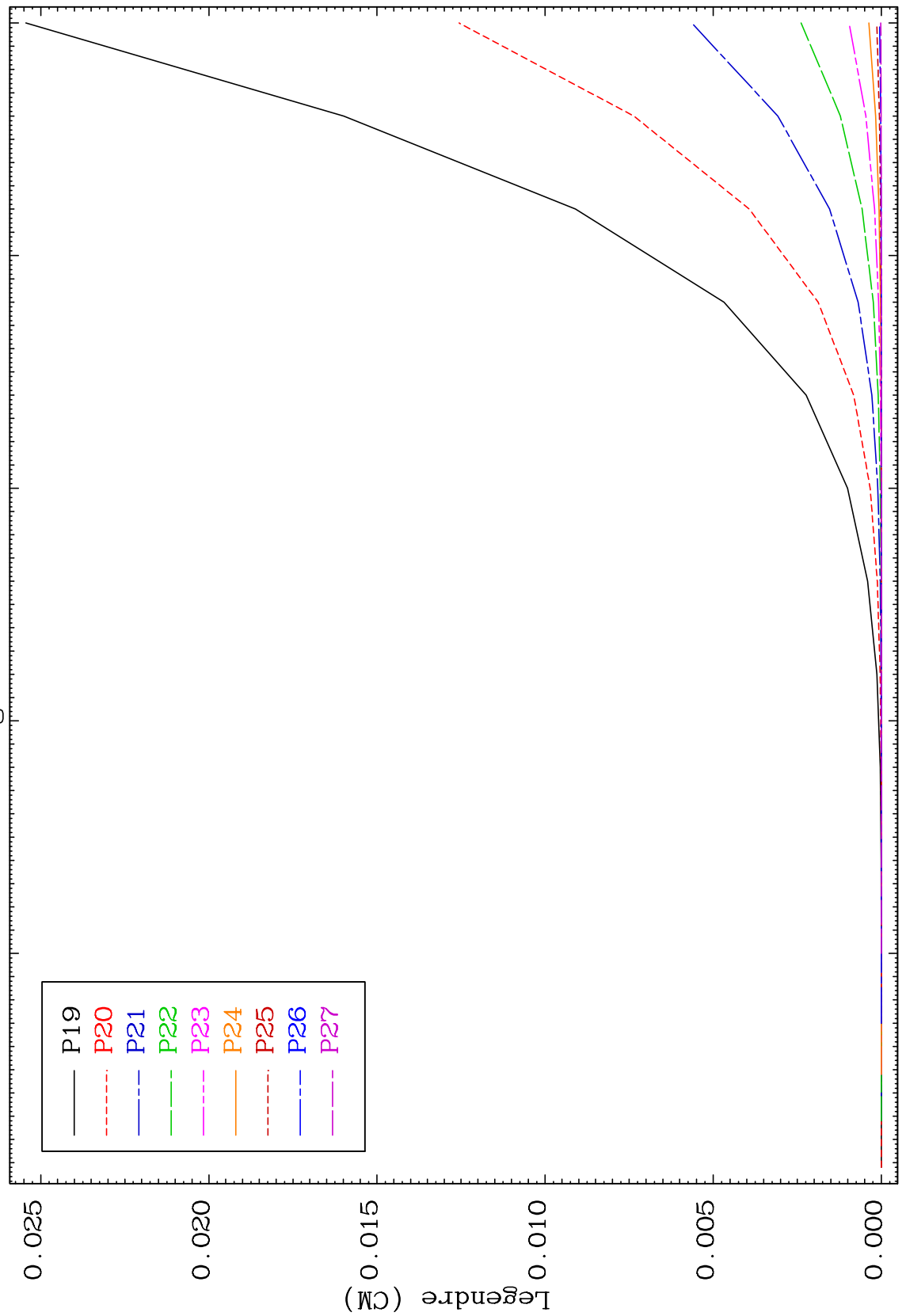
Incident Energy (MeV)

⁷⁹Au-177

MAT 7865

Elastic Legendre Coefficients

79-Au-177



19

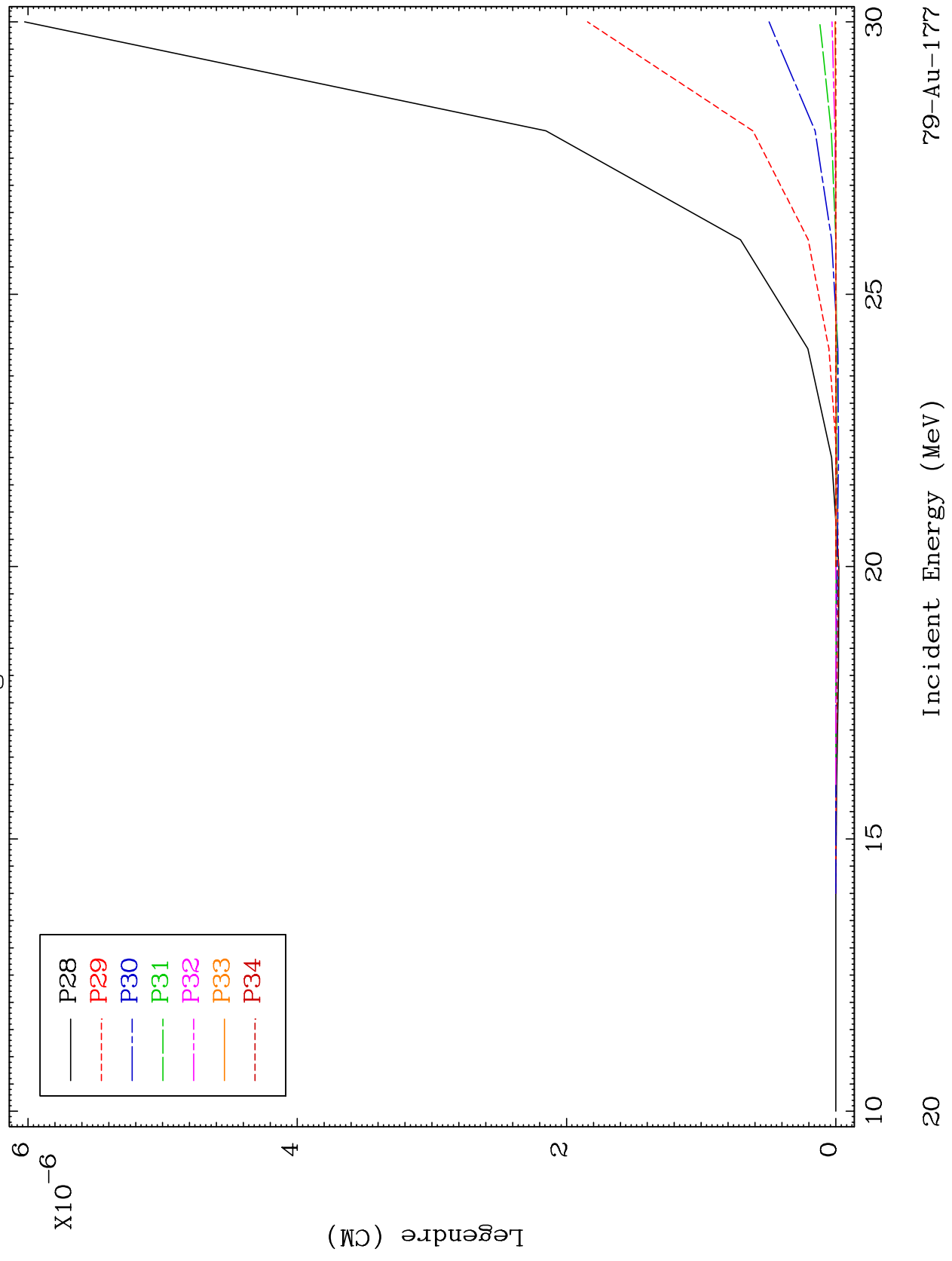
Incident Energy (MeV)

79-Au-177

MAT 7865

Elastic Legendre Coefficients

79-Au-177



20

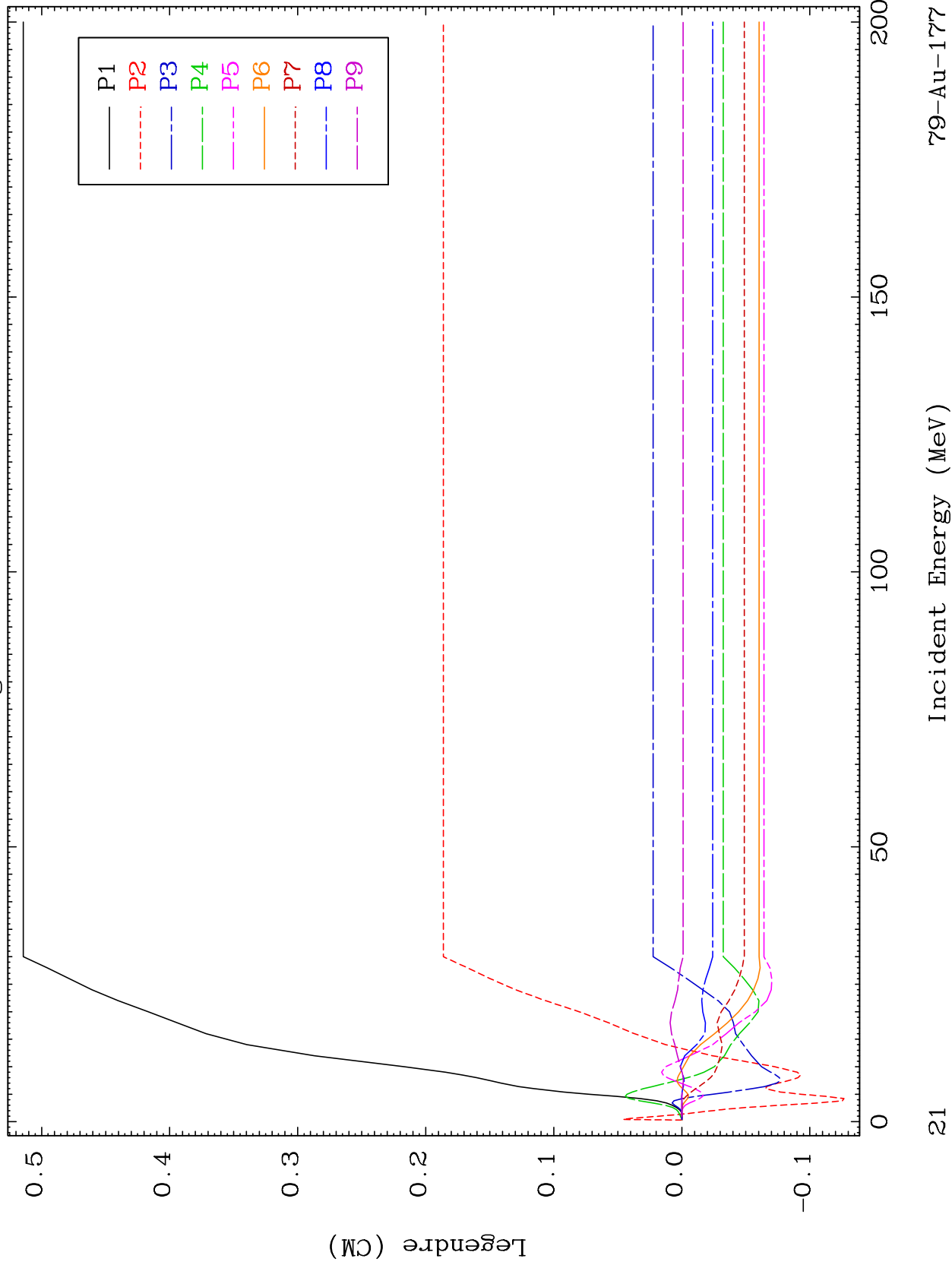
Incident Energy (MeV)

79-Au-177

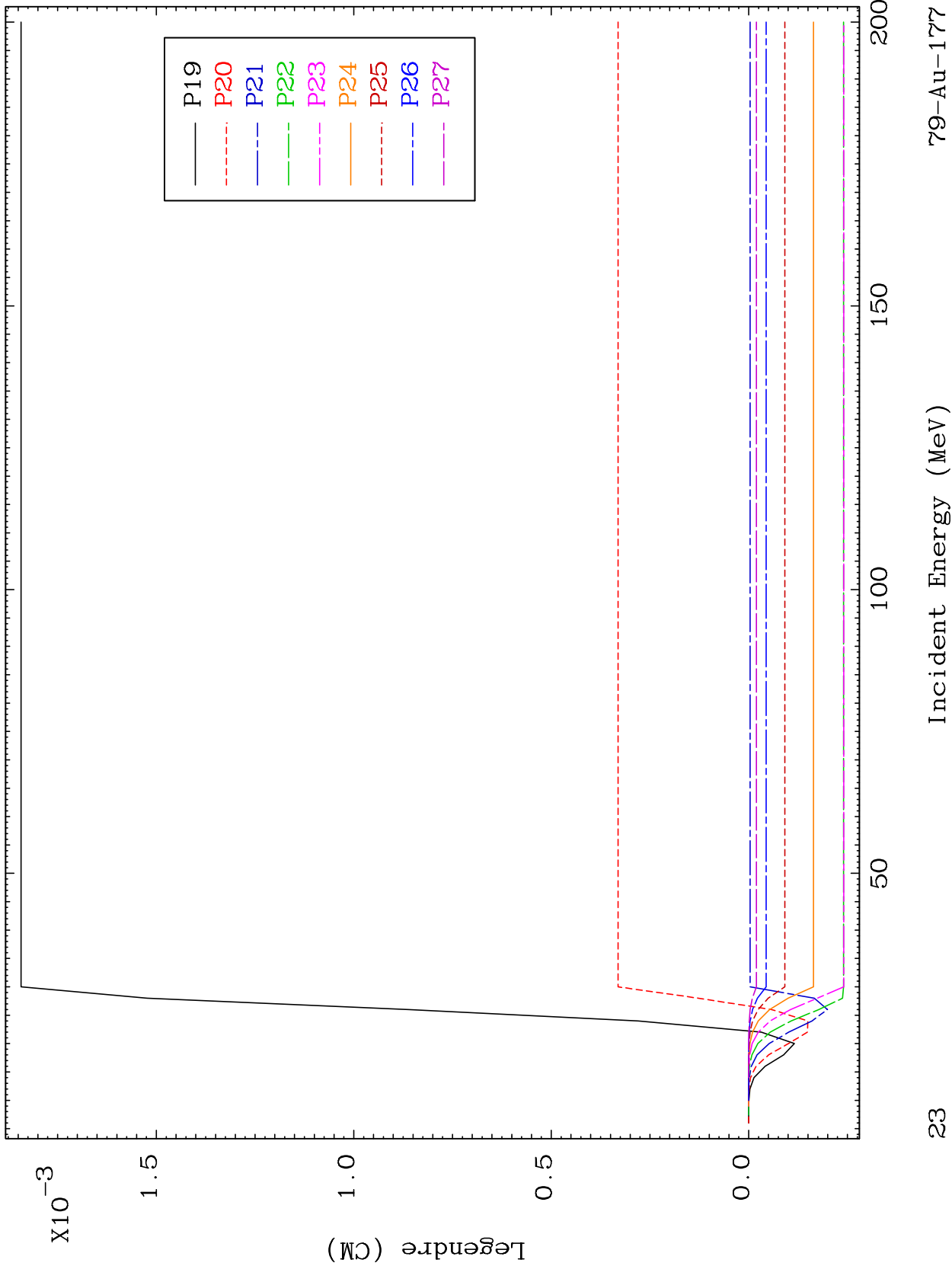
MAT 7865

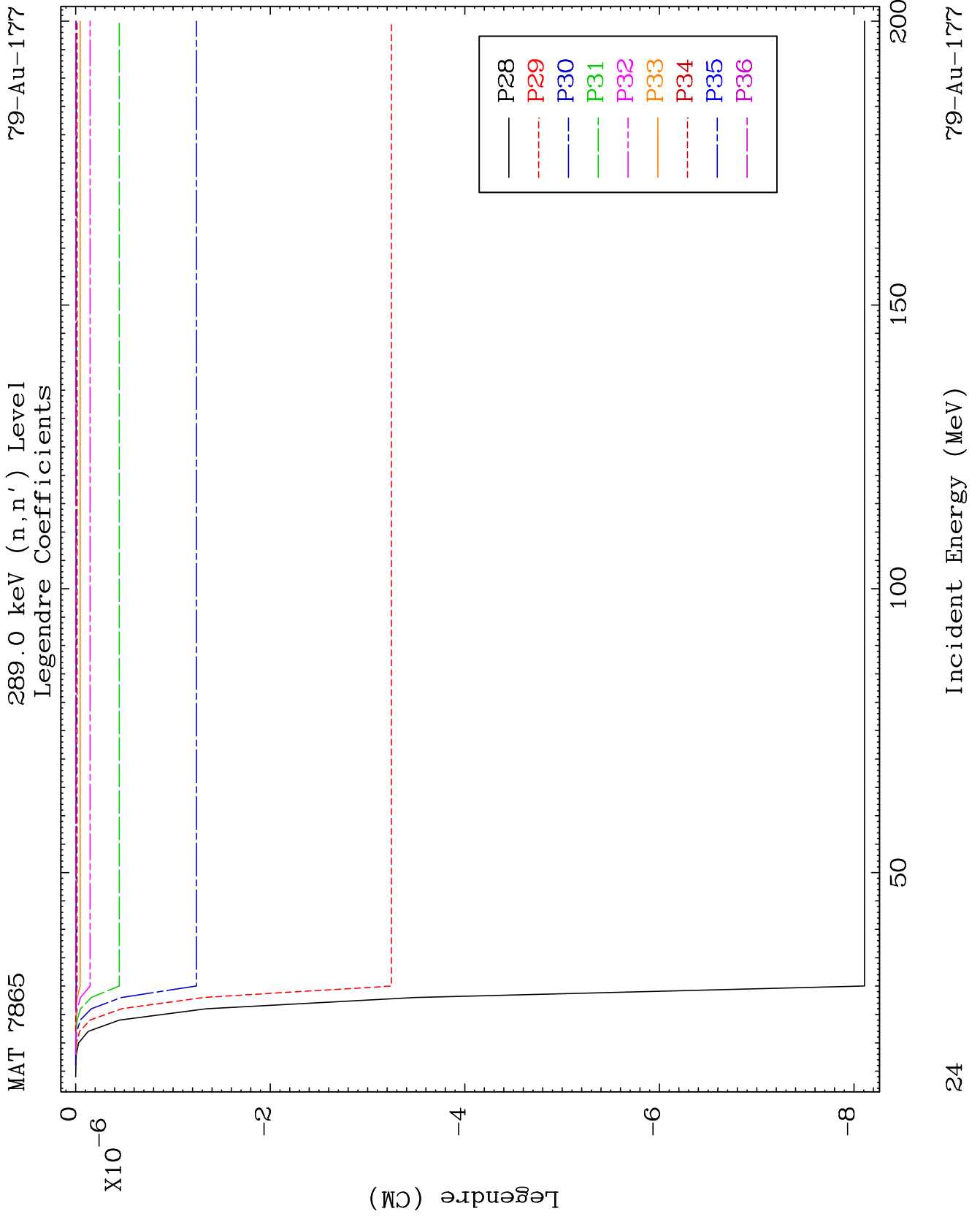
289.0 keV (n,n') Level
Legendre Coefficients

79-Au-177



21

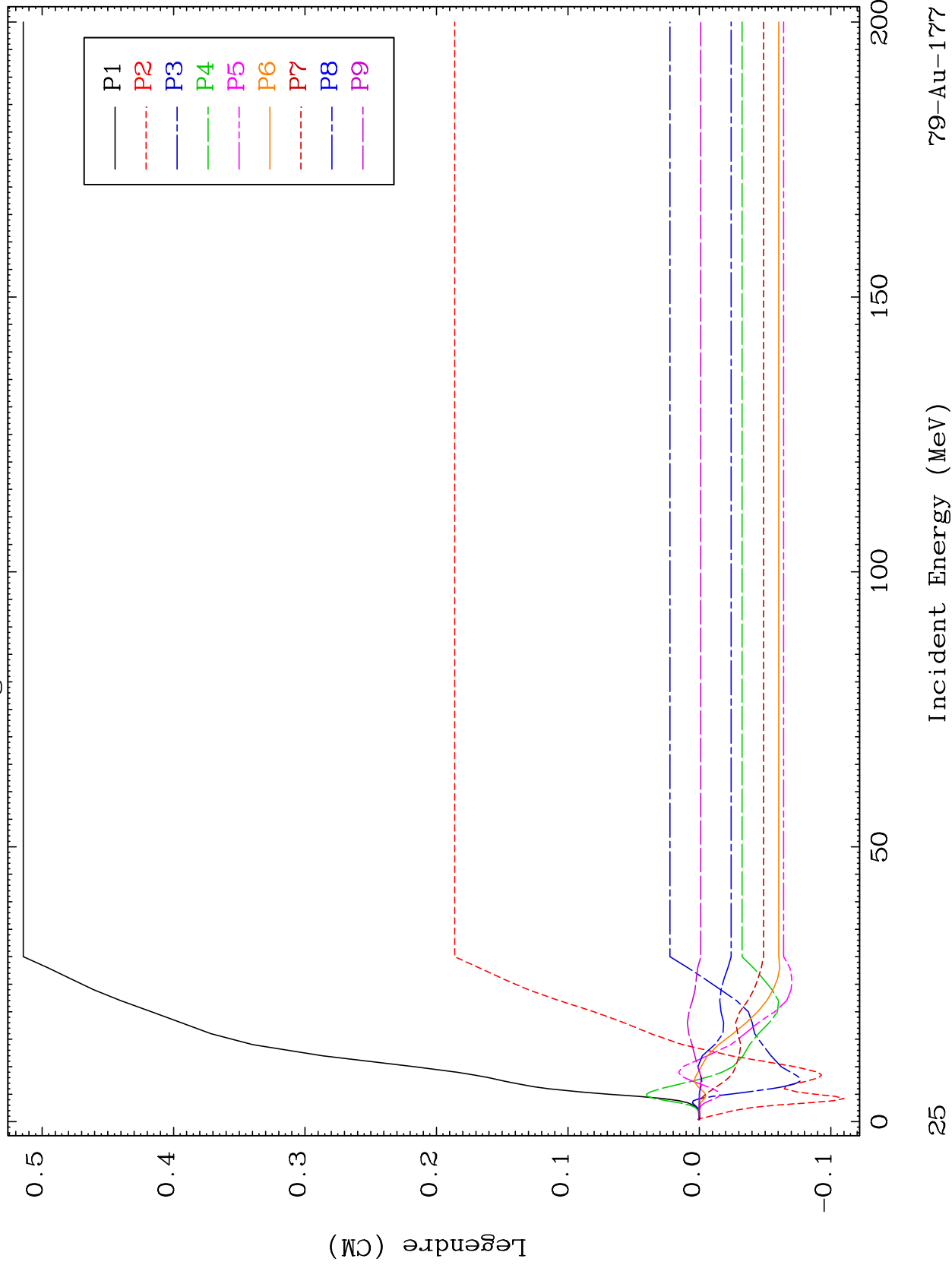




MAT 7865

292.1 keV (n,n') Level
Legendre Coefficients

79-Au-177



79-Au-177

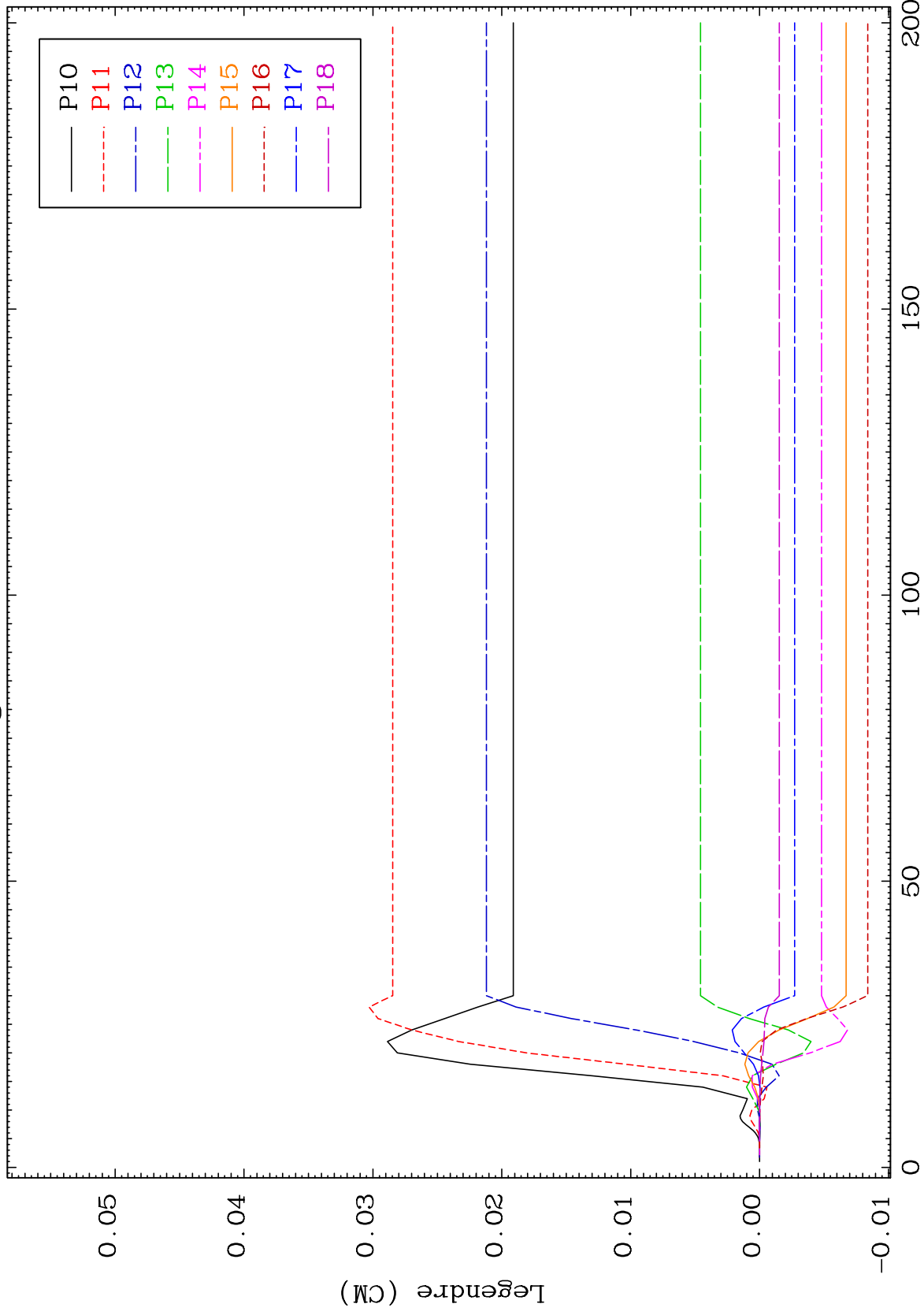
Incident Energy (MeV)

25

MAT 7865

292.1 keV (n,n') Level
Legendre Coefficients

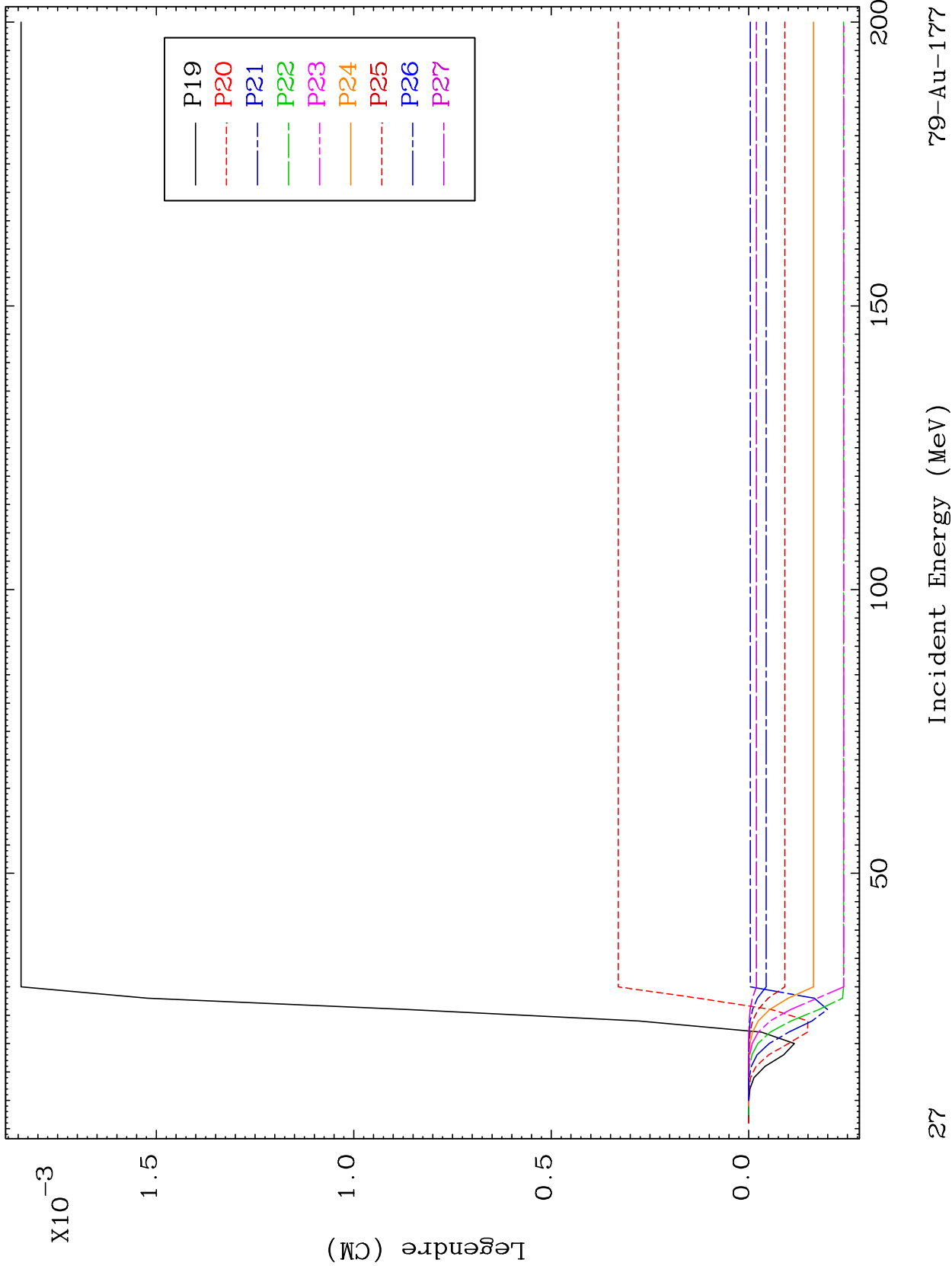
79-Au-177

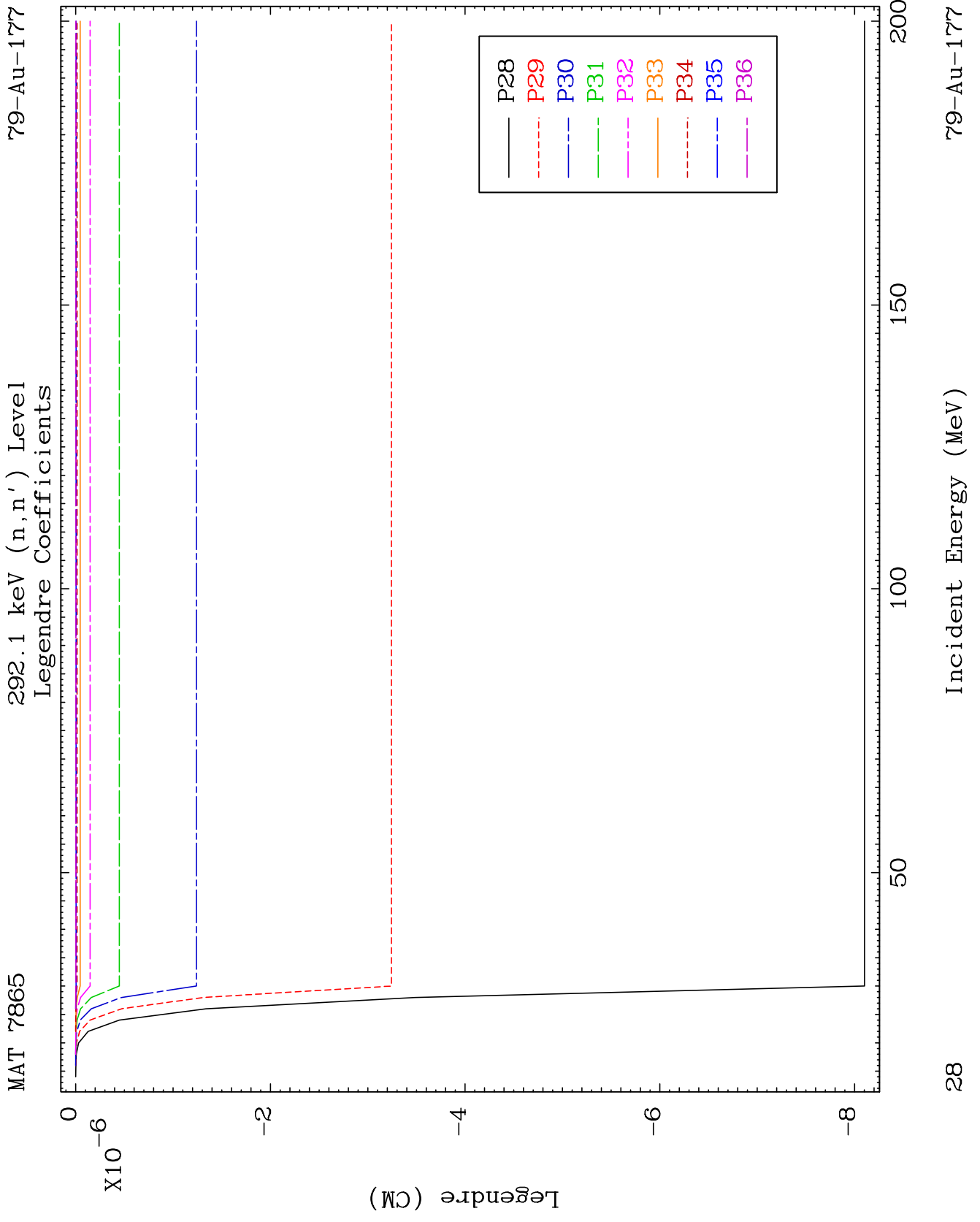


26

Incident Energy (MeV)

79-Au-177

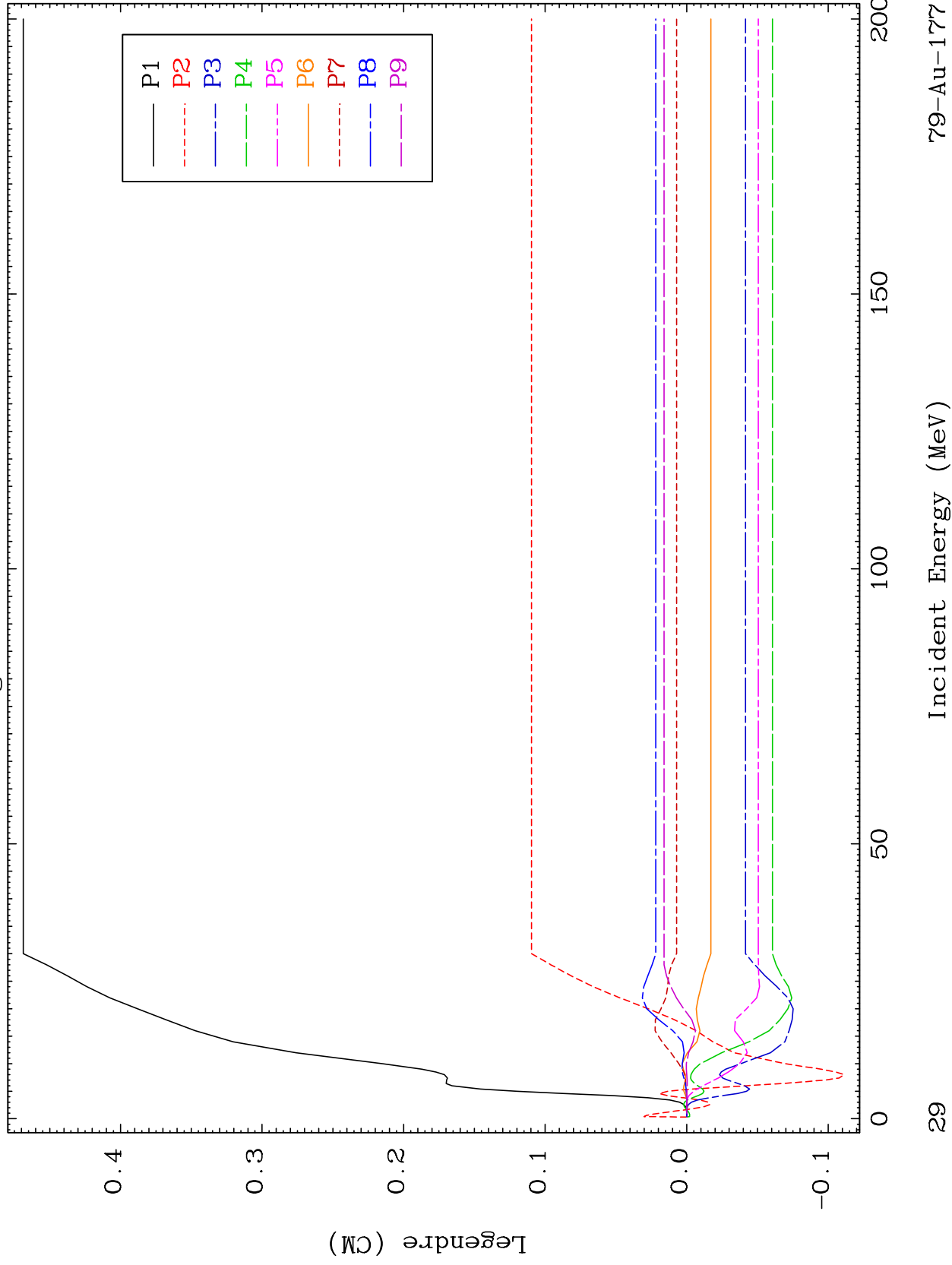




MAT 7865

295.3 keV (n,n') Level
Legendre Coefficients

79-Au-177



79-Au-177

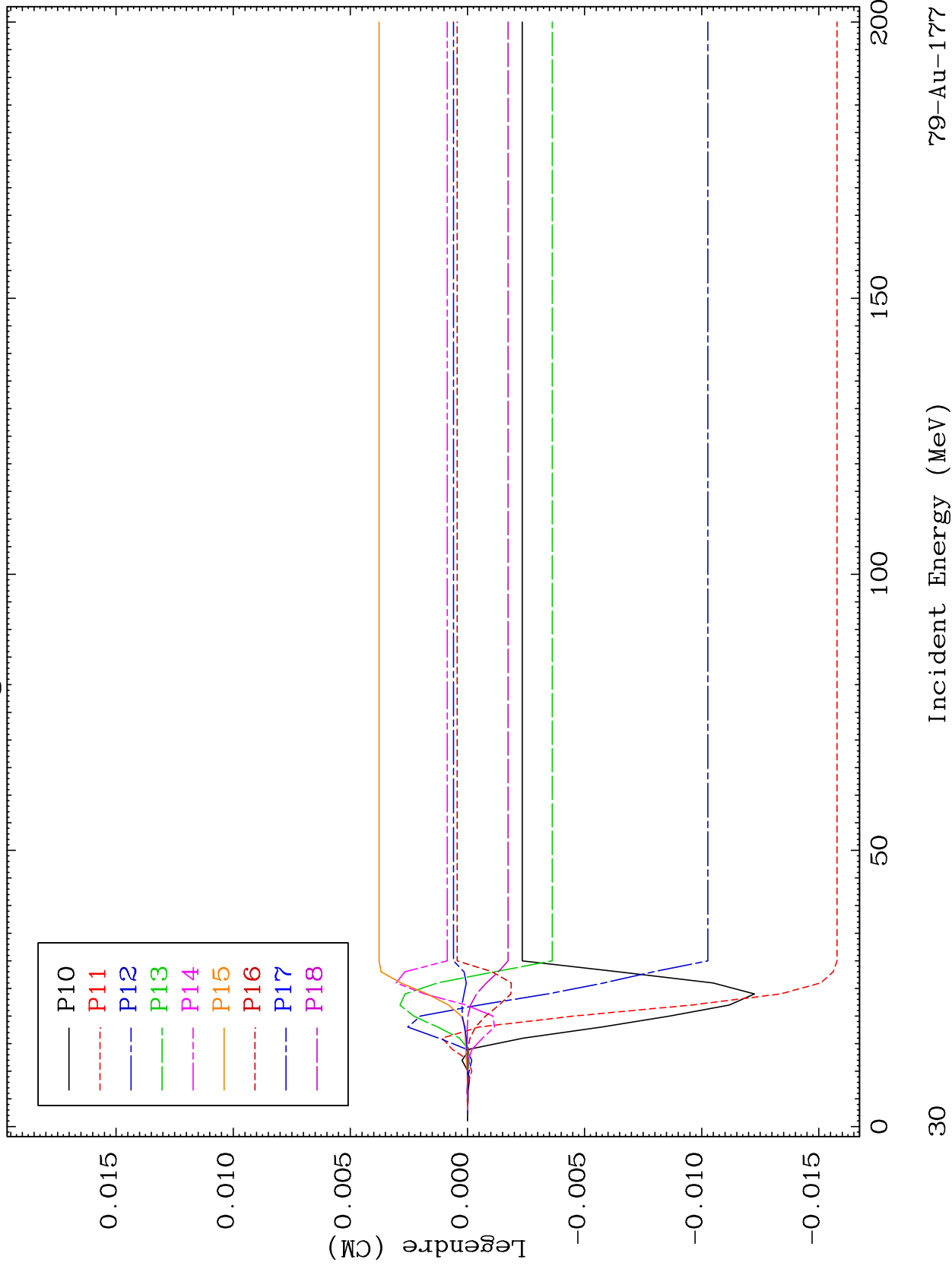
Incident Energy (MeV)

29

MAT 7865

295.3 keV (n,n') Level
Legendre Coefficients

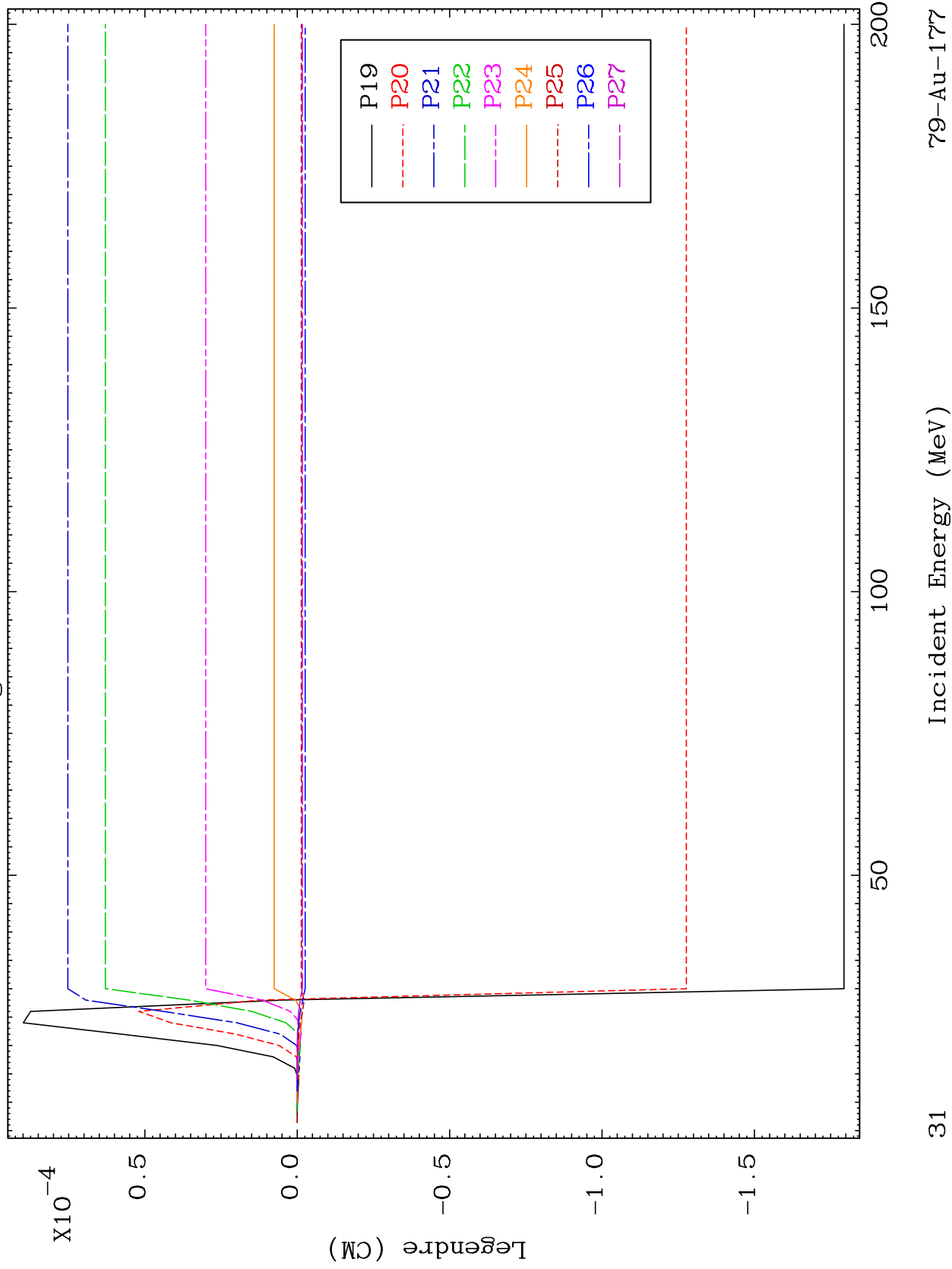
79-Au-177

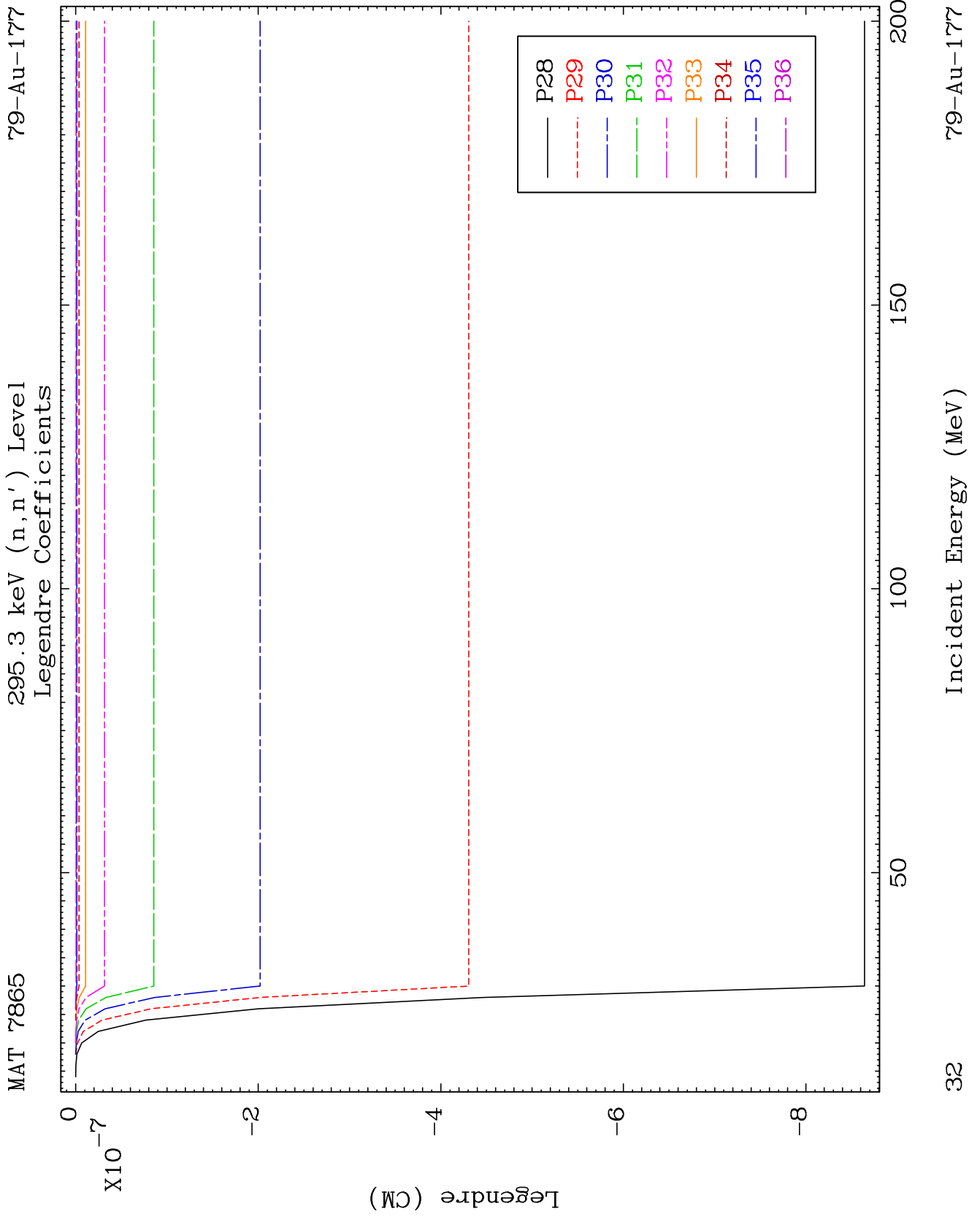


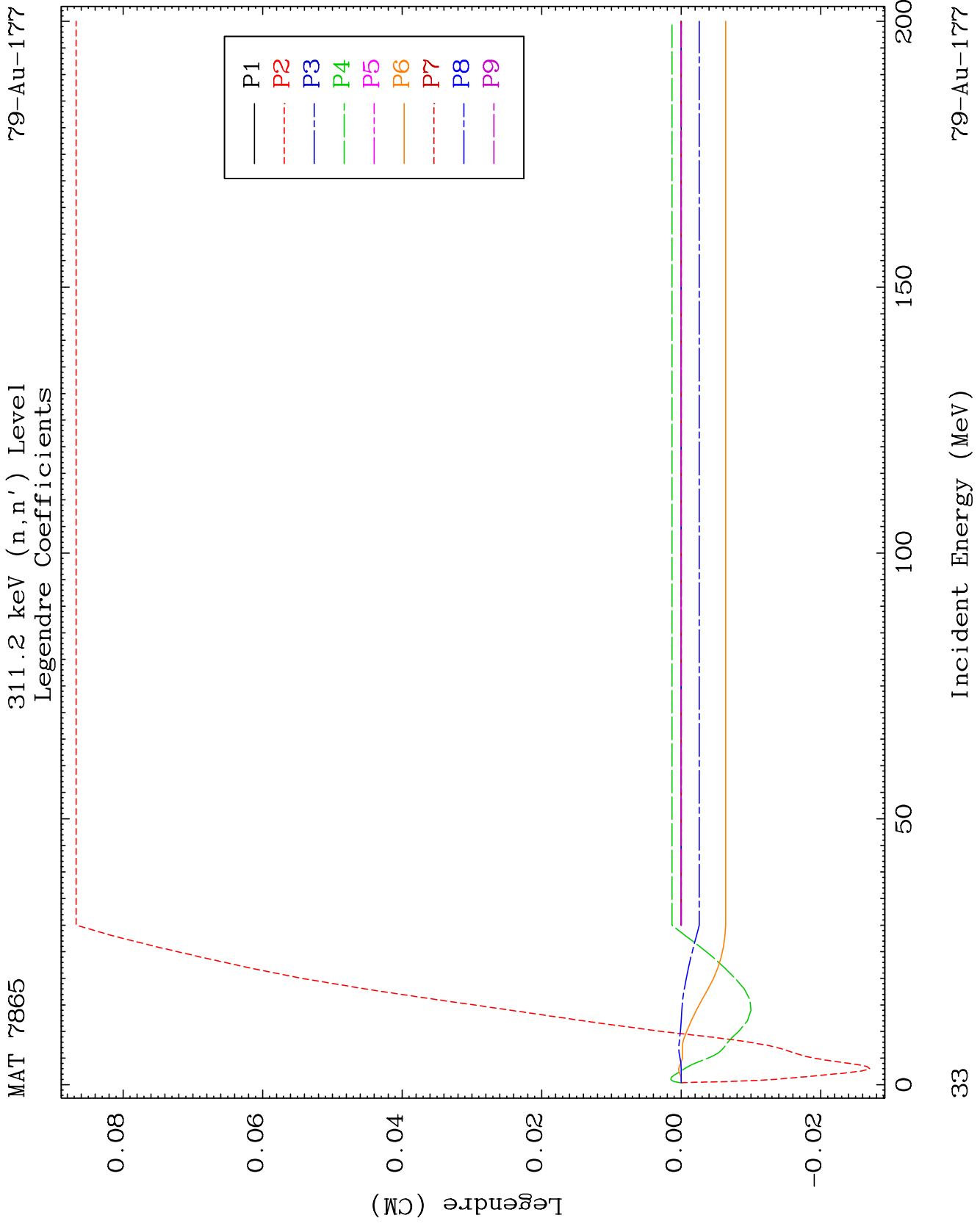
79-Au-177

Incident Energy (MeV)

30



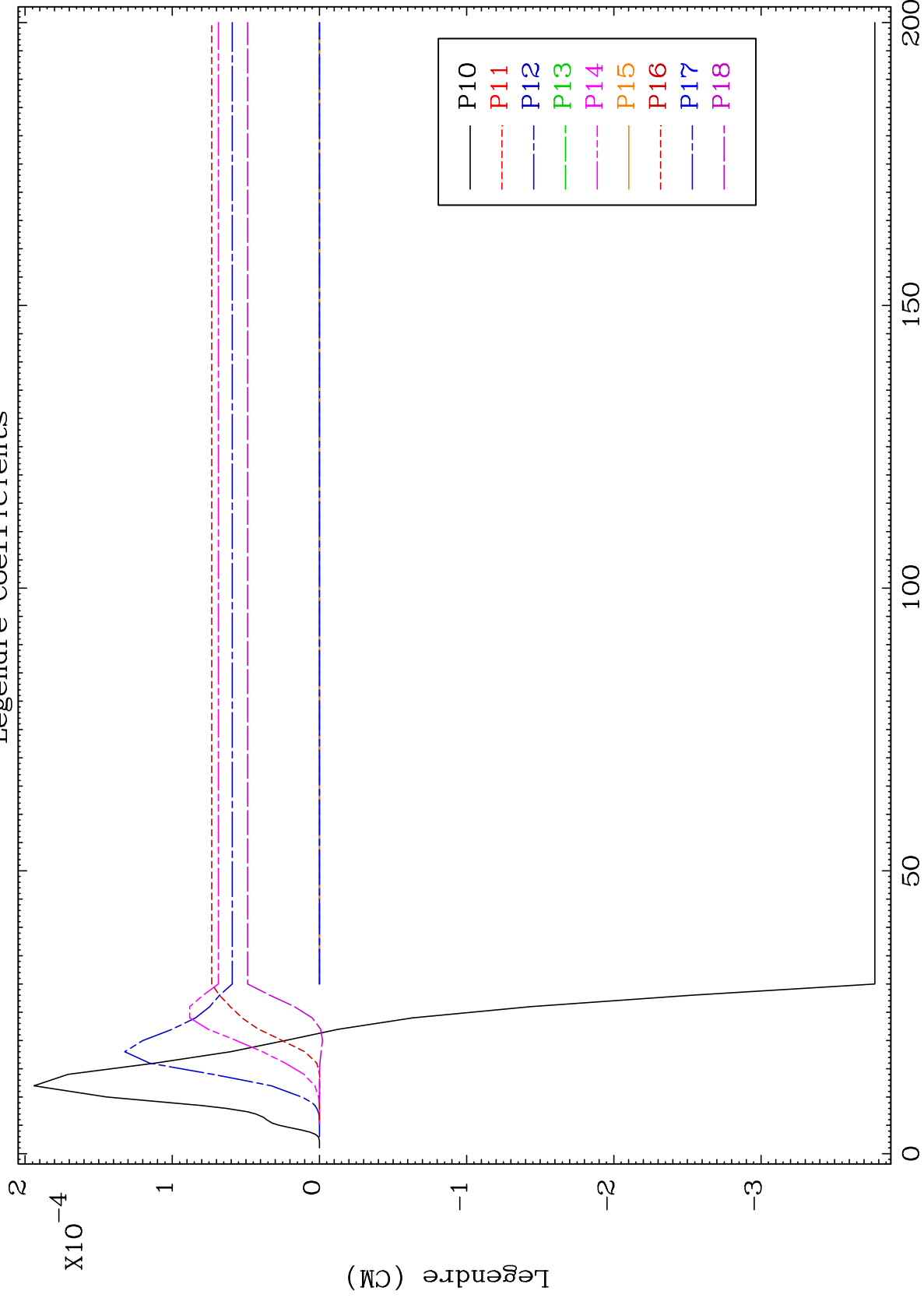




MAT 7865

311.2 keV (n,n') Level
Legendre Coefficients

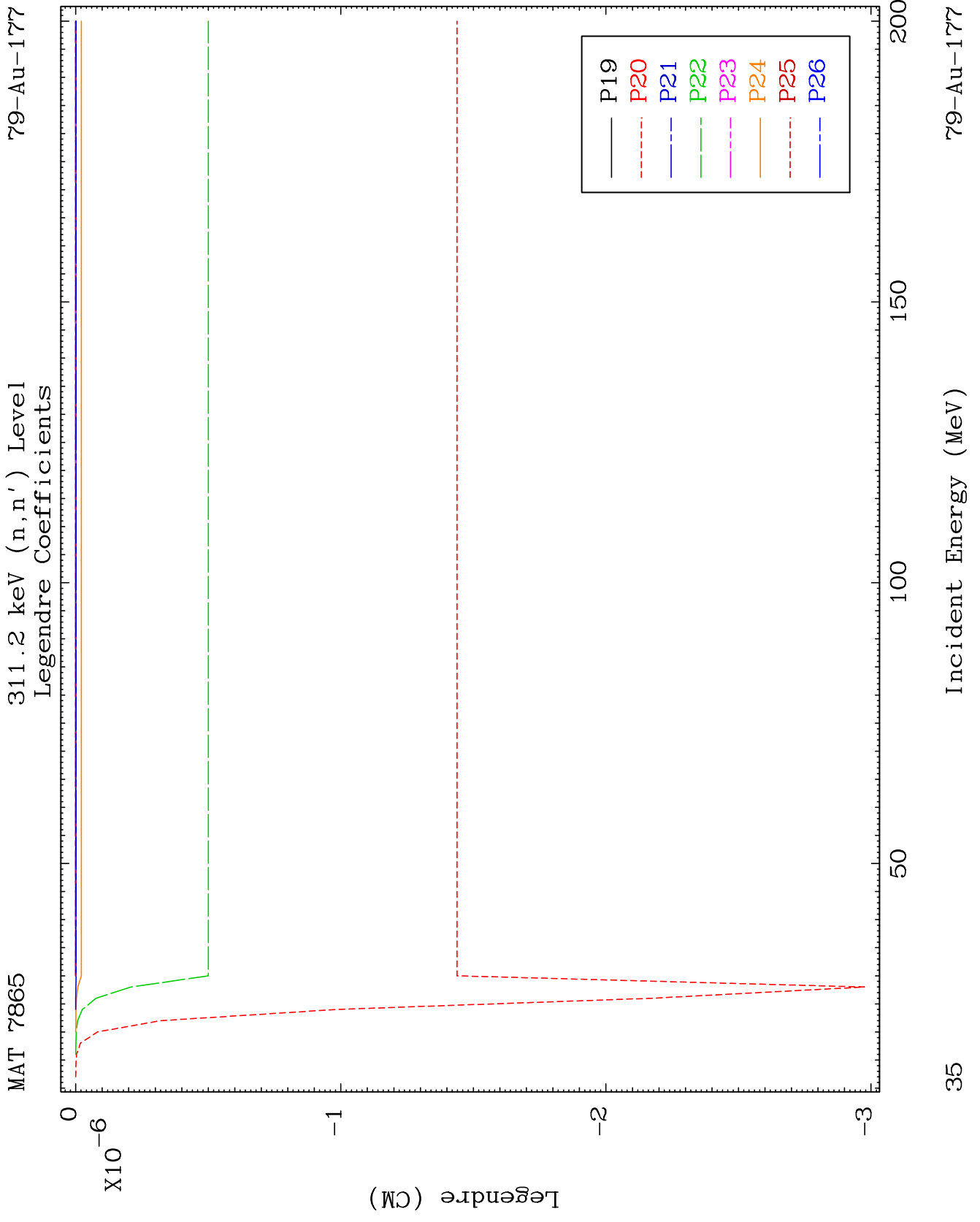
79-Au-177



34

Incident Energy (MeV)

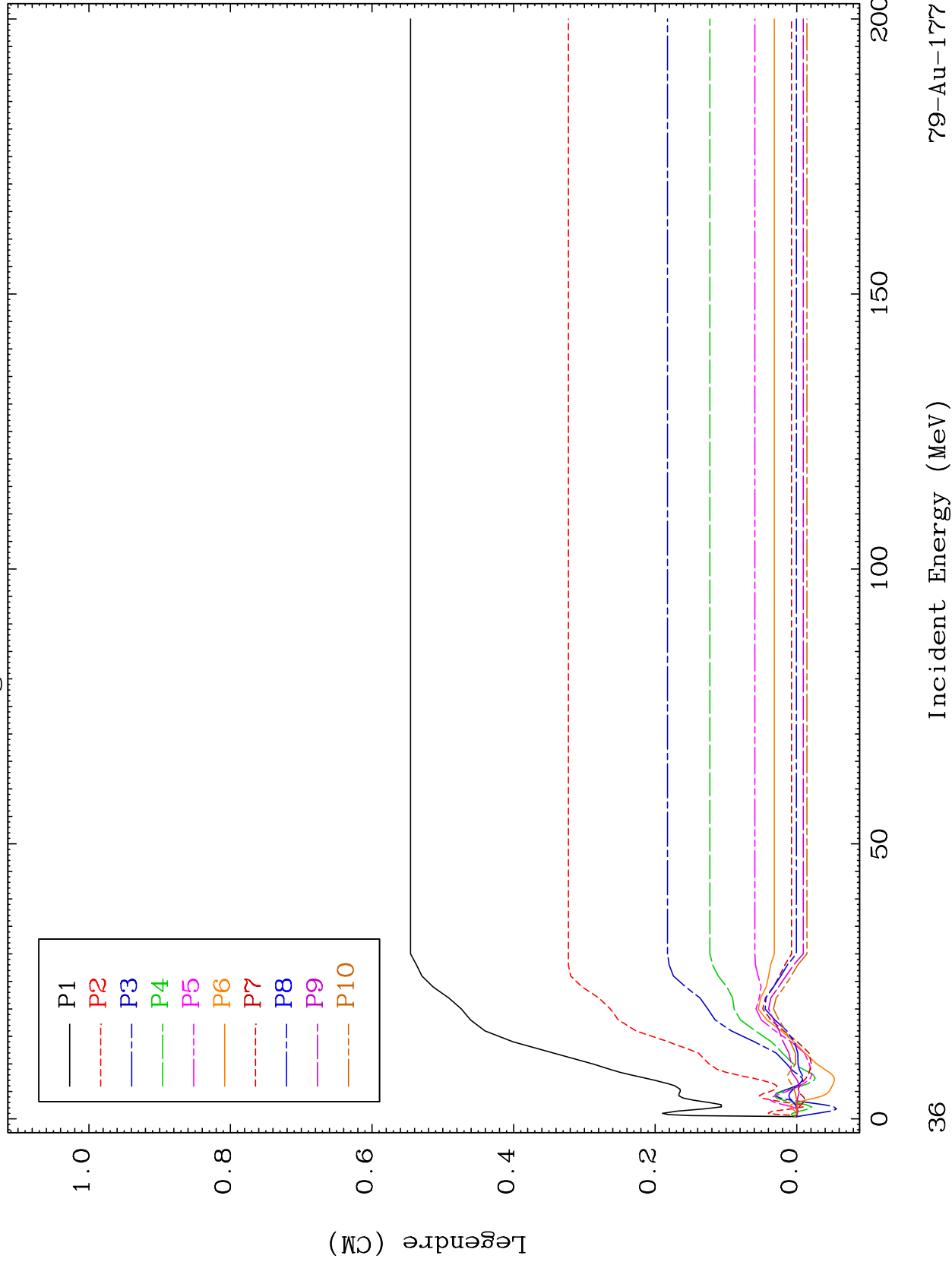
79-Au-177



MAT 7865

326.1 keV (n,n') Level
Legendre Coefficients

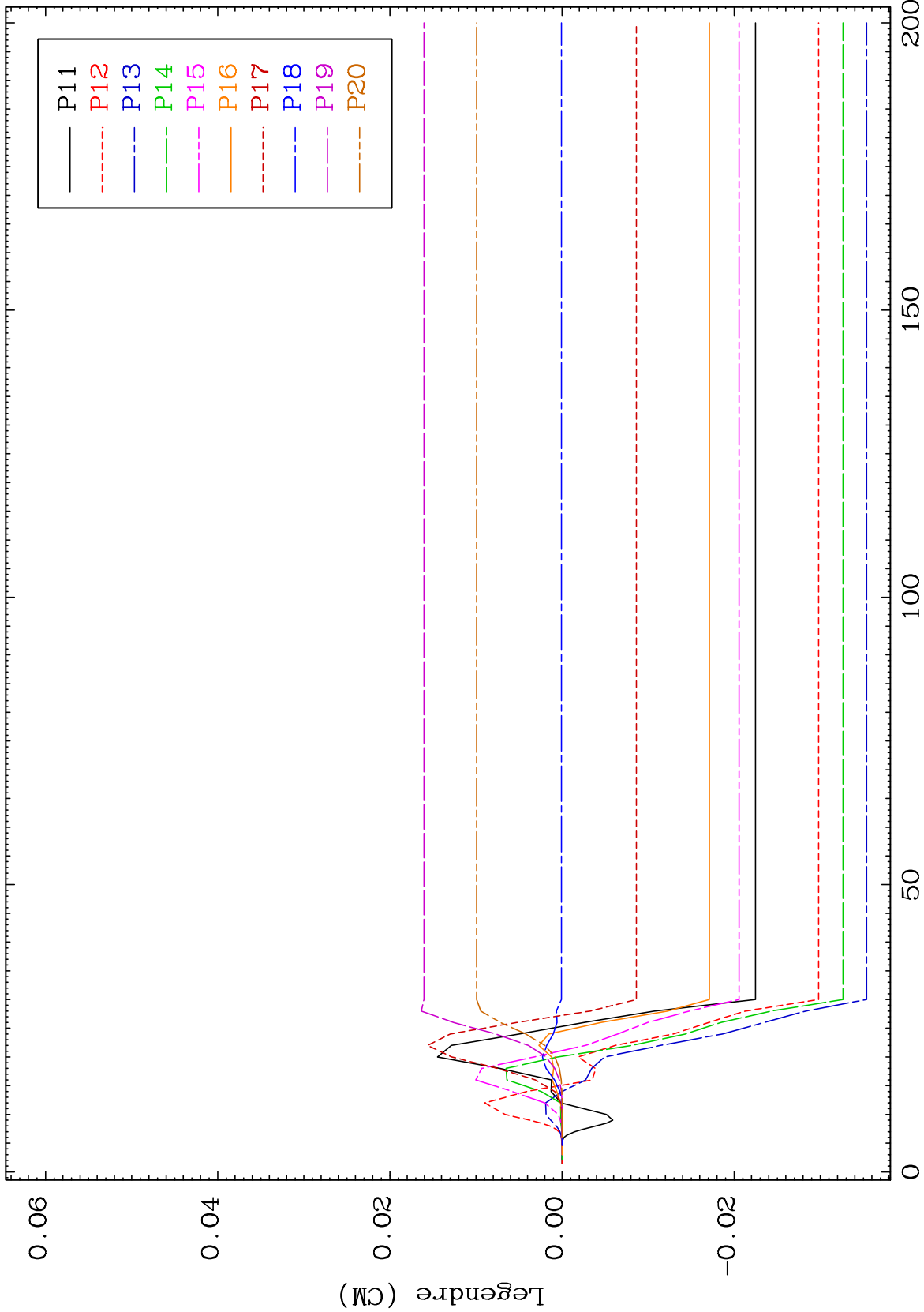
79-Au-177



36

Incident Energy (MeV)

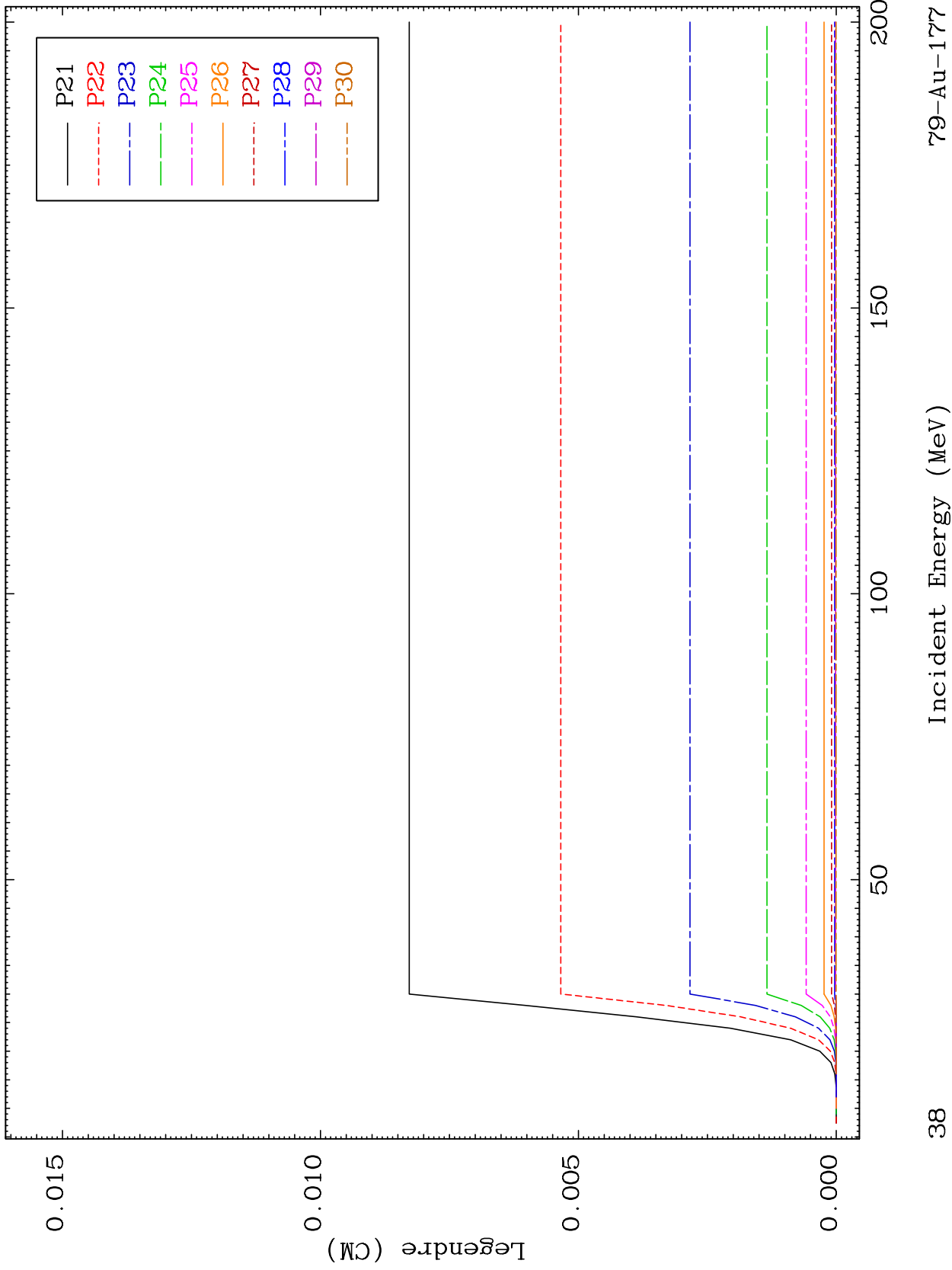
79-Au-177



MAT 7865

326.1 keV (n,n') Level
Legendre Coefficients

79-Au-177



38

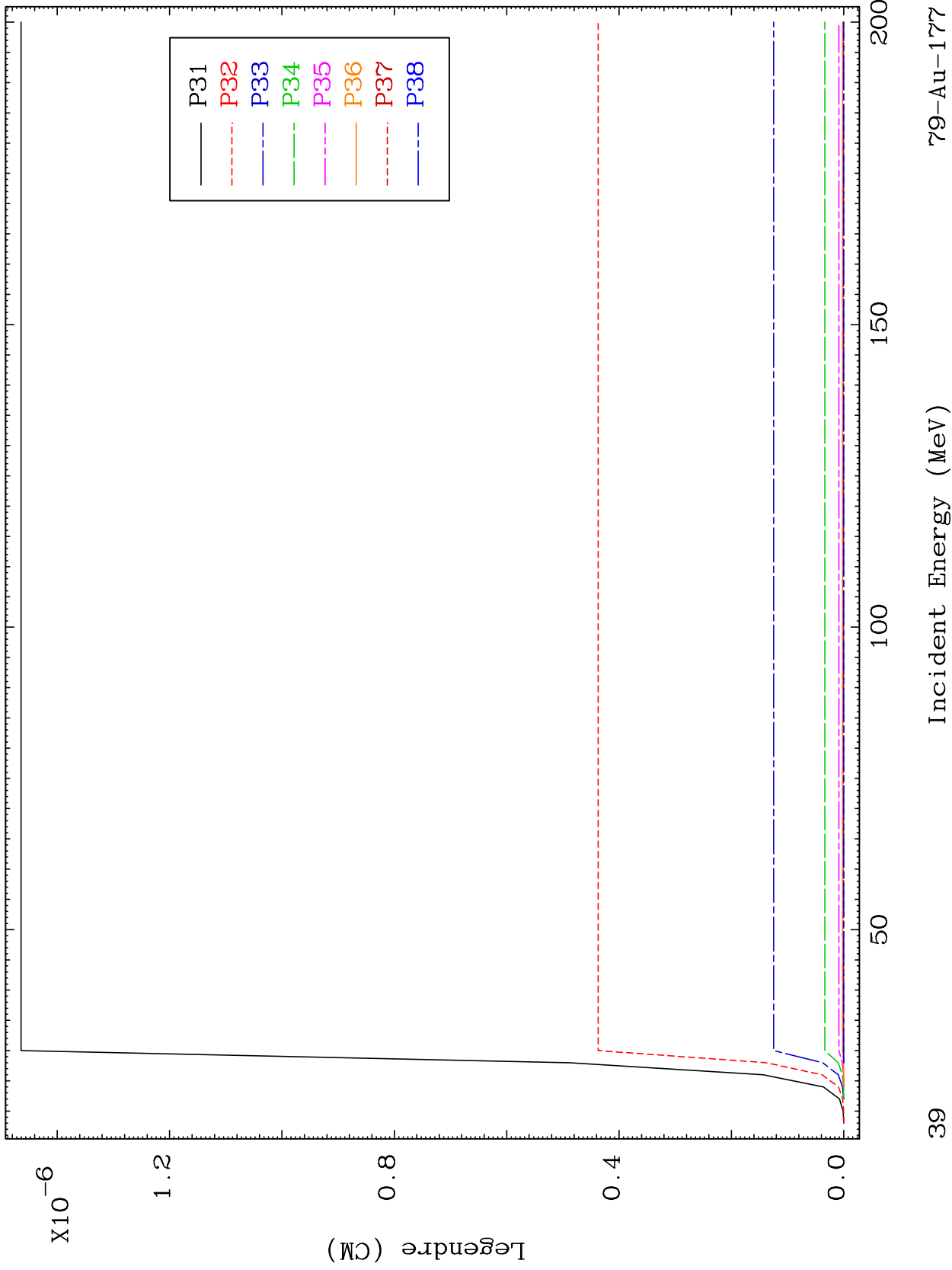
Incident Energy (MeV)

79-Au-177

MAT 7865

326.1 keV (n,n') Level
Legendre Coefficients

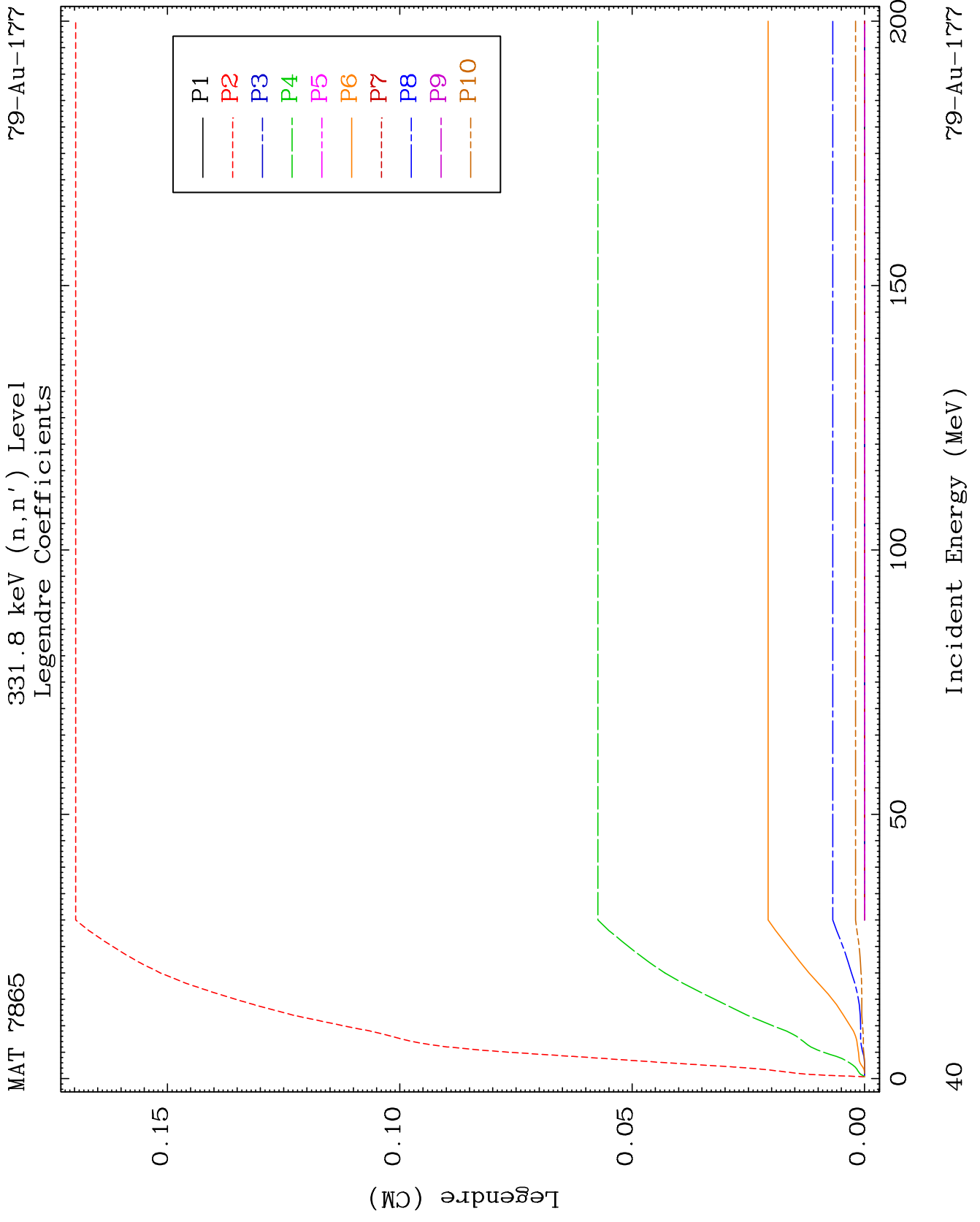
79-Au-177



39

Incident Energy (MeV)

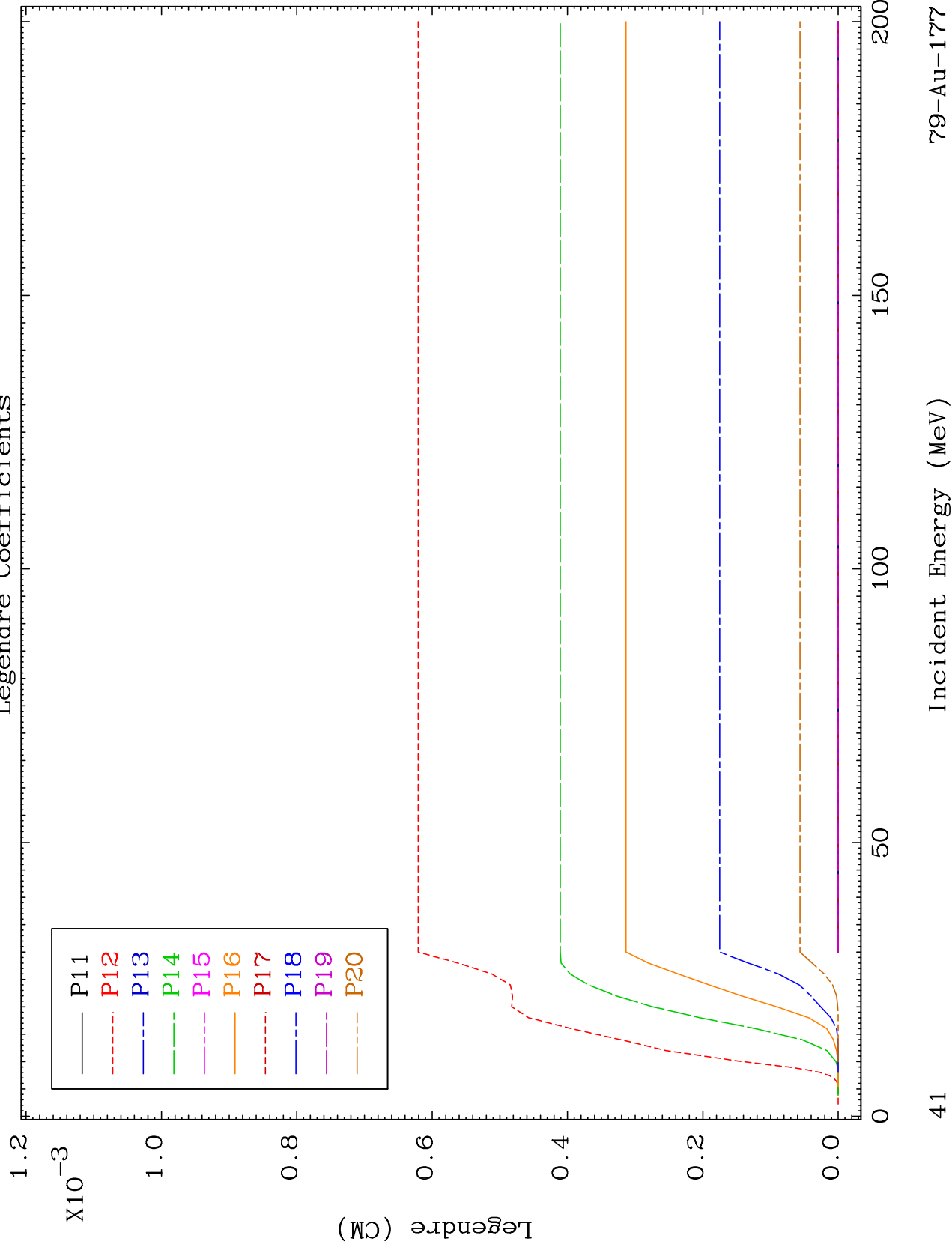
79-Au-177



MAT 7865

331.8 keV (n,n') Level
Legendre Coefficients

79-Au-177



41

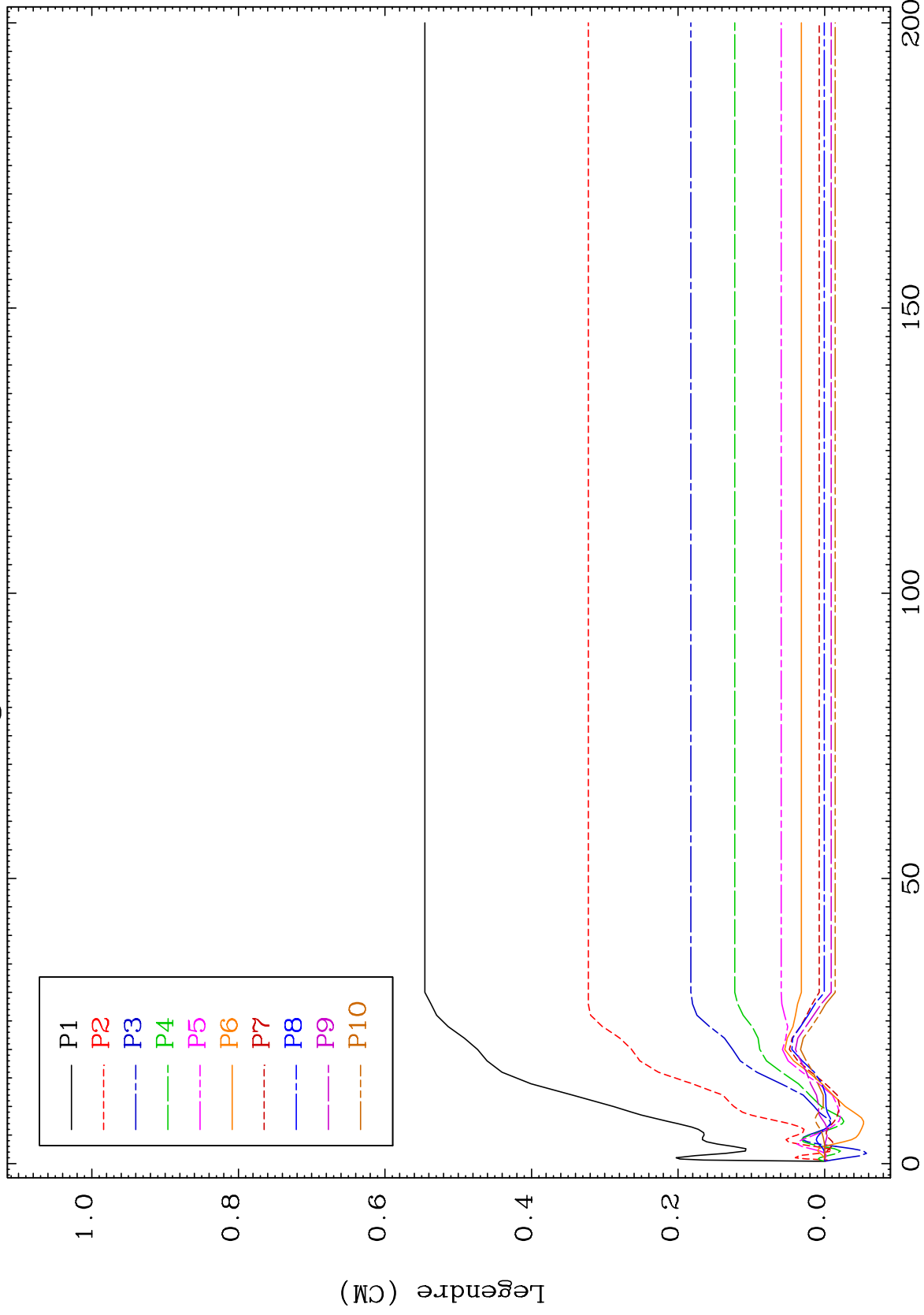
Incident Energy (MeV)

79-Au-177

MAT 7865

336.5 keV (n,n') Level
Legendre Coefficients

79-Au-177



43

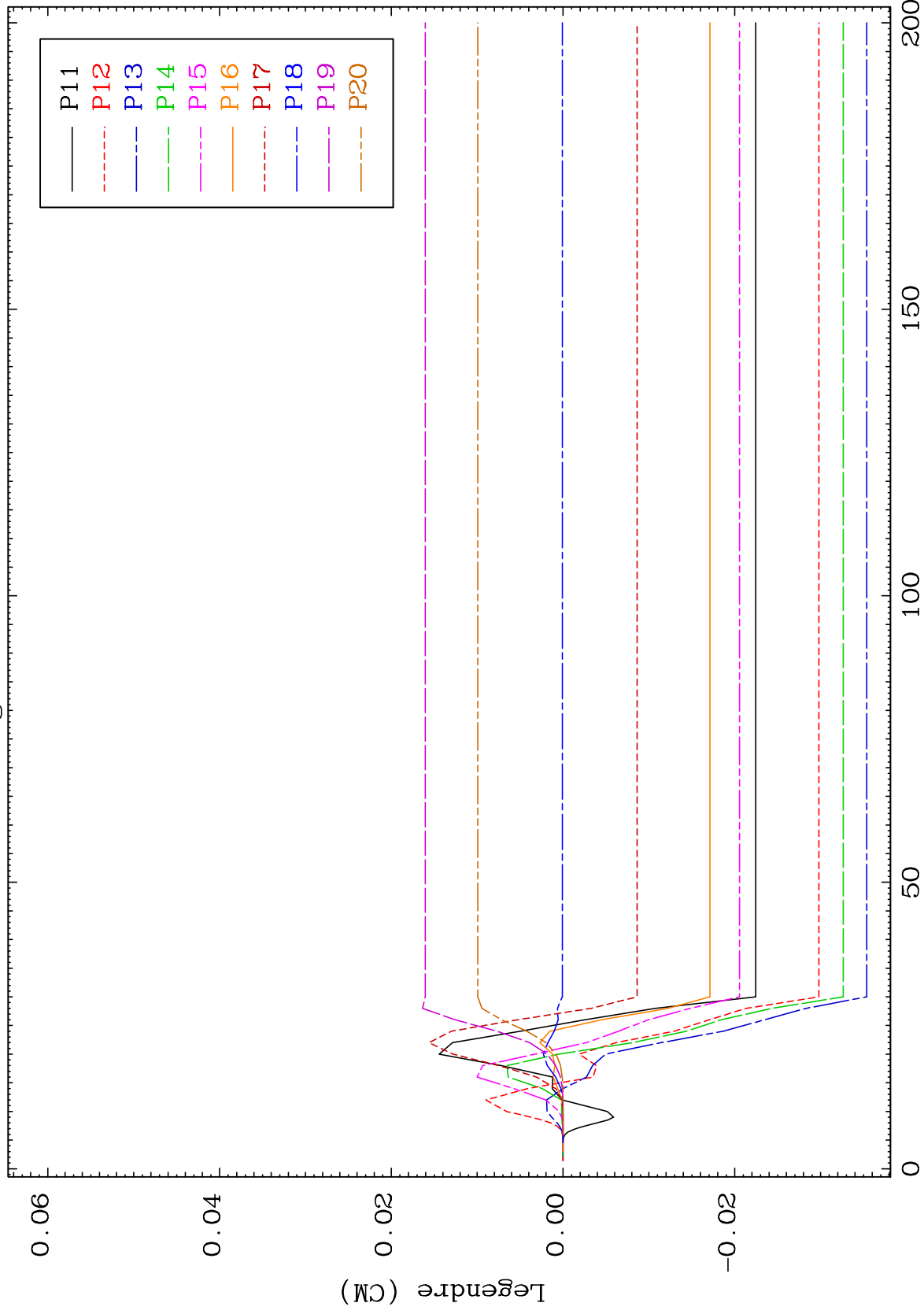
Incident Energy (MeV)

79-Au-177

MAT 7865

336.5 keV (n,n') Level
Legendre Coefficients

79-Au-177



44

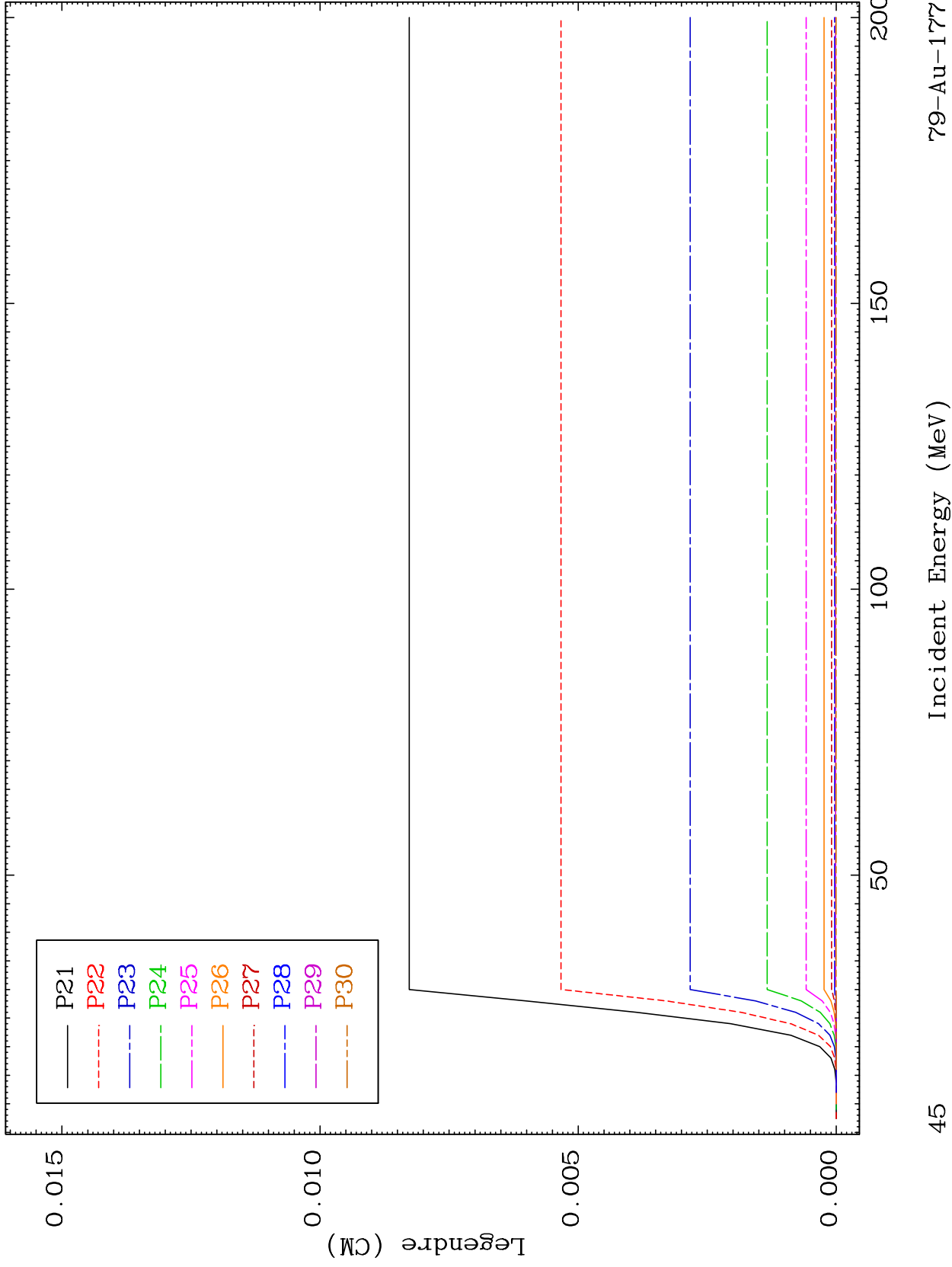
Incident Energy (MeV)

79-Au-177

MAT 7865

336.5 keV (n,n') Level
Legendre Coefficients

79-Au-177



45

Incident Energy (MeV)

50

100

150

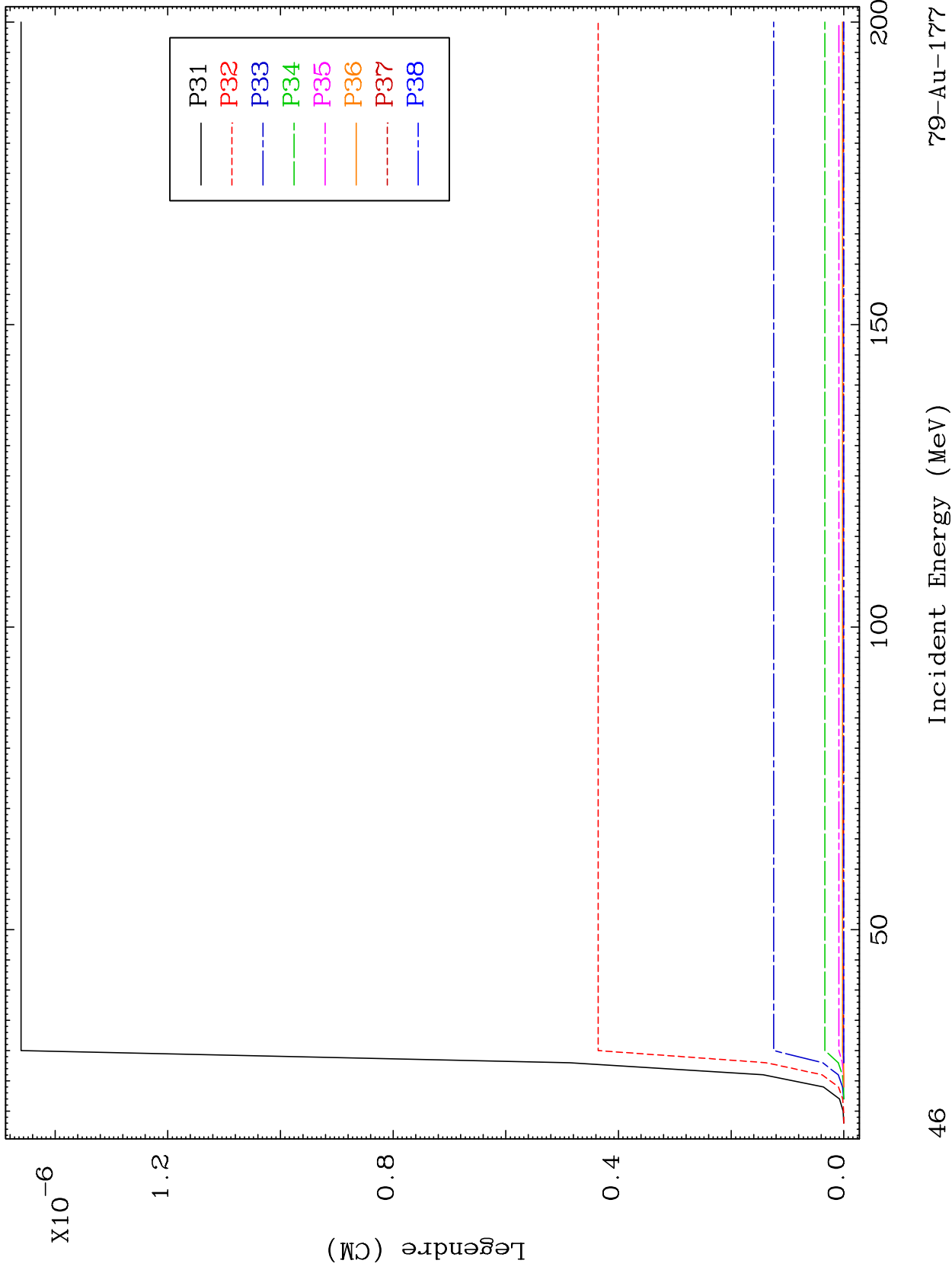
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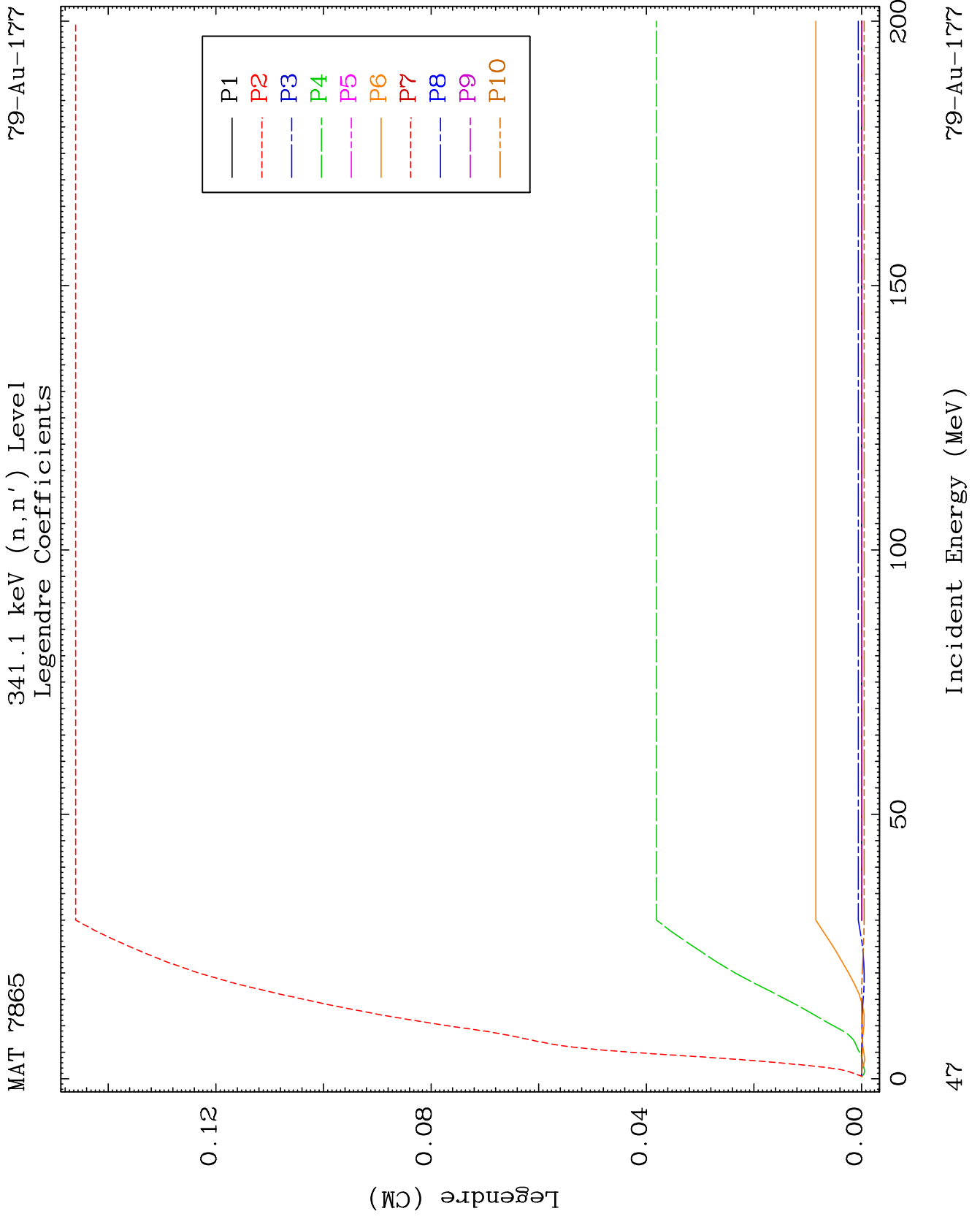
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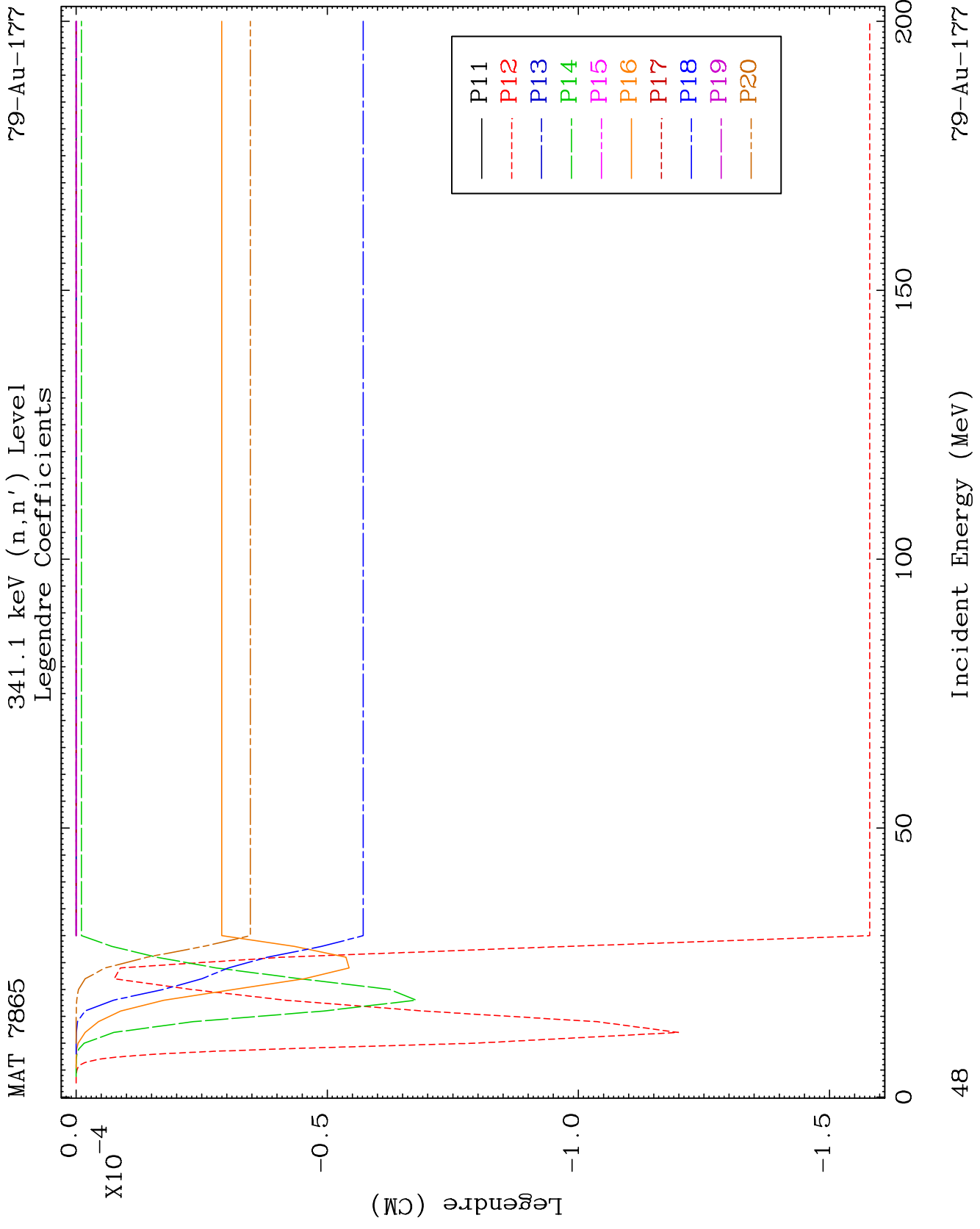
MAT 7865

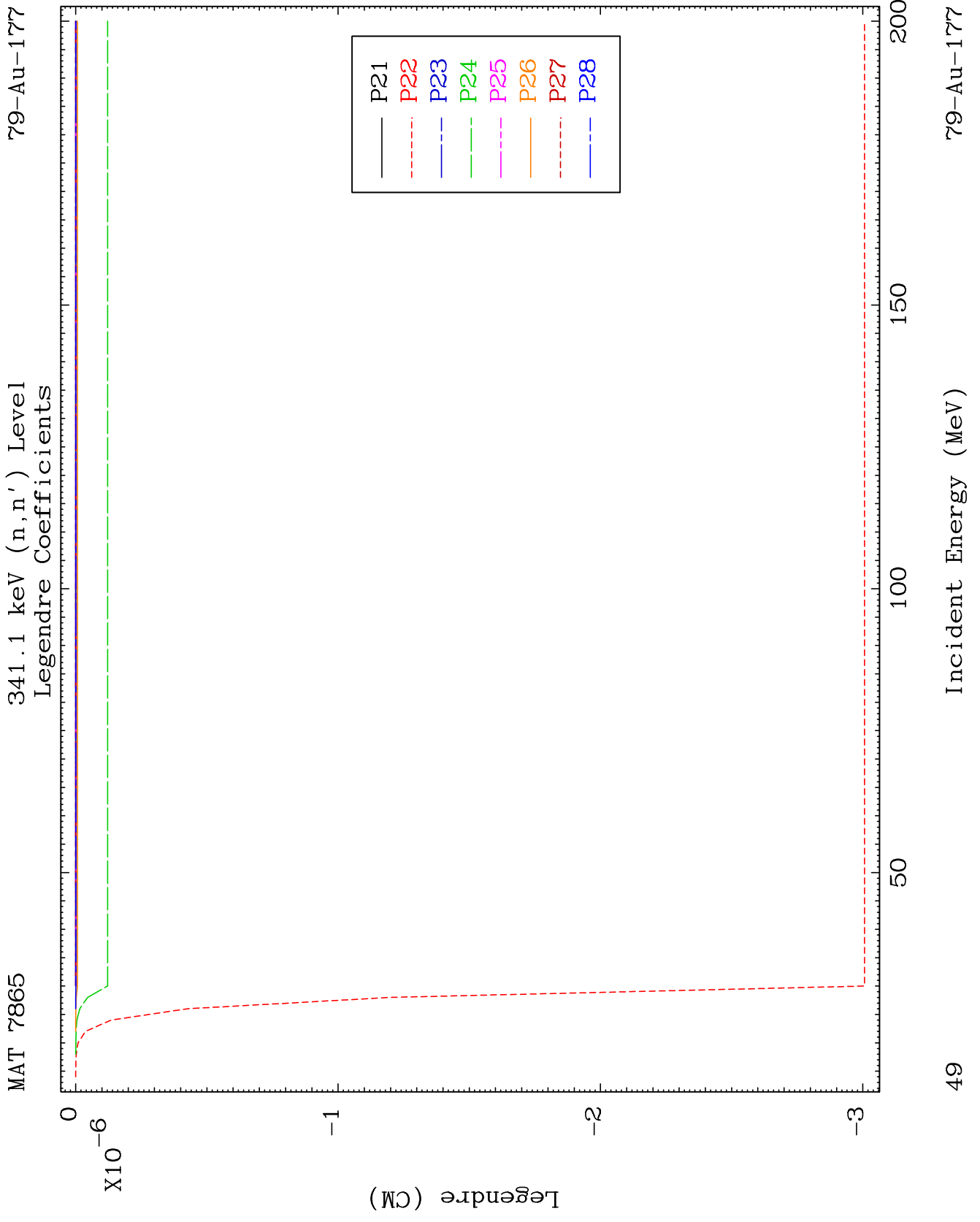
336.5 keV (n,n') Level
Legendre Coefficients

79-Au-177





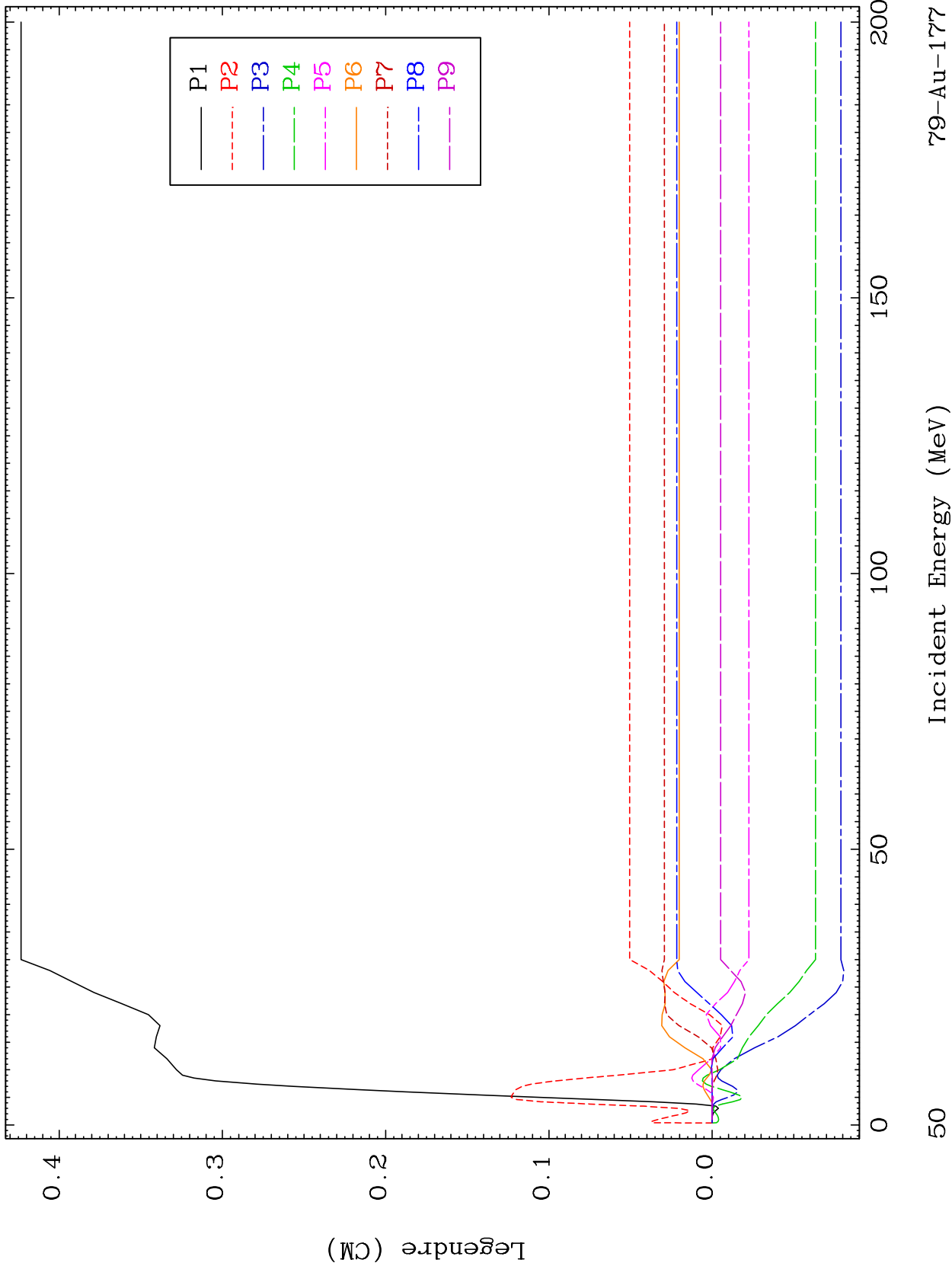




MAT 7865

344.6 keV (n, n') Level
Legendre Coefficients

79-Au-177

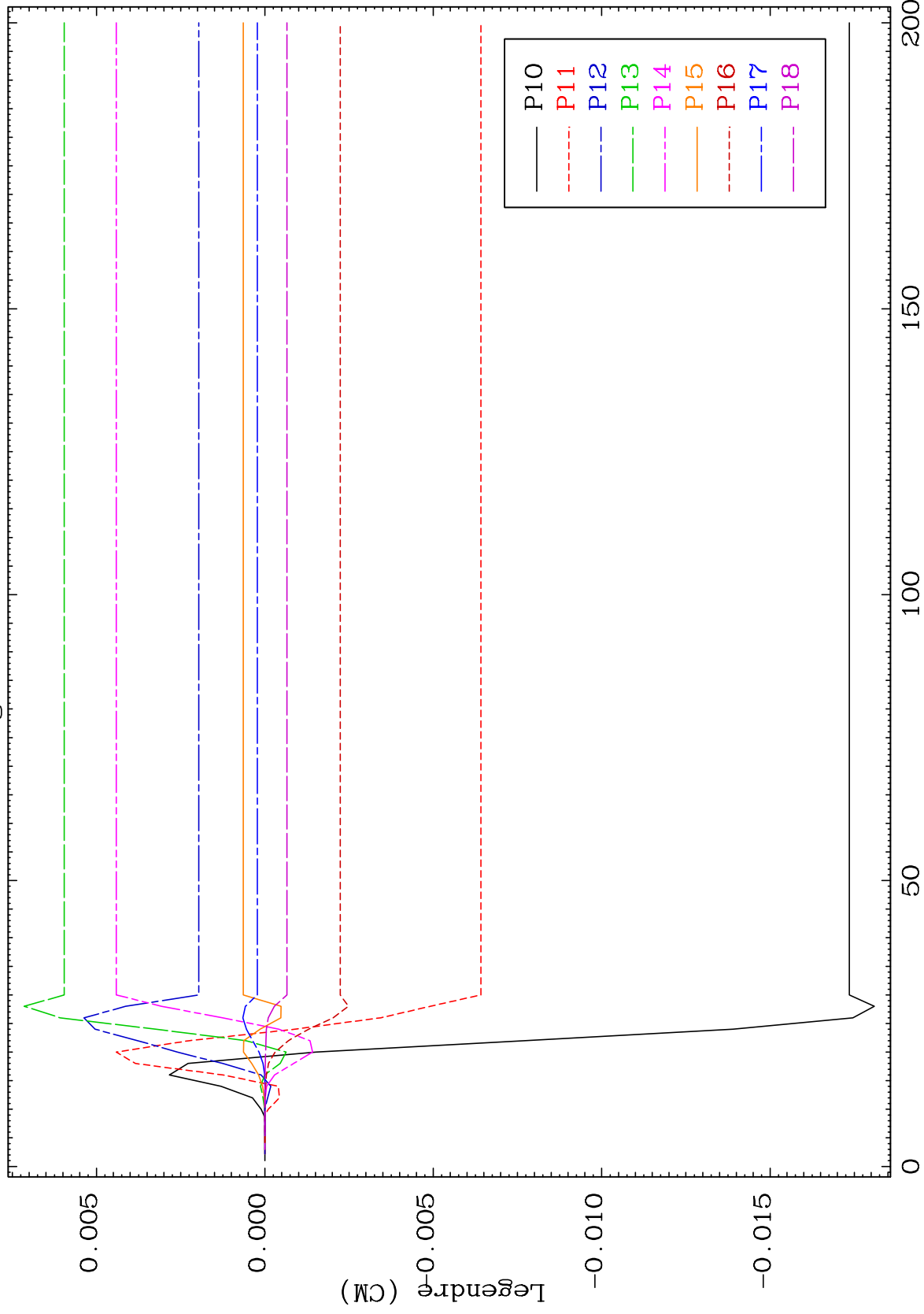


79-Au-177

MAT 7865

344.6 keV (n, n') Level
Legendre Coefficients

79-Au-177



51

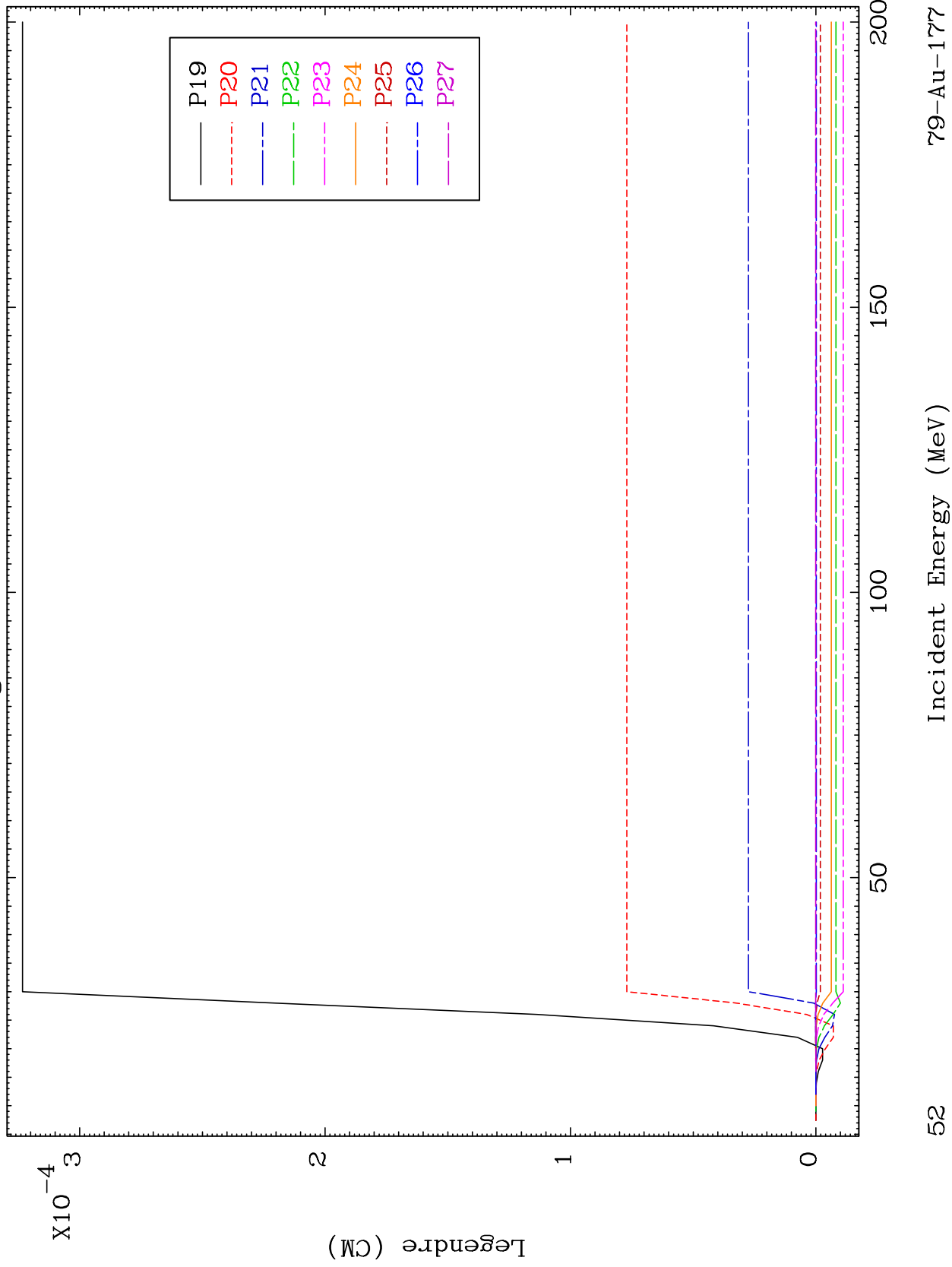
Incident Energy (MeV)

79-Au-177

MAT 7865

344.6 keV (n, n') Level
Legendre Coefficients

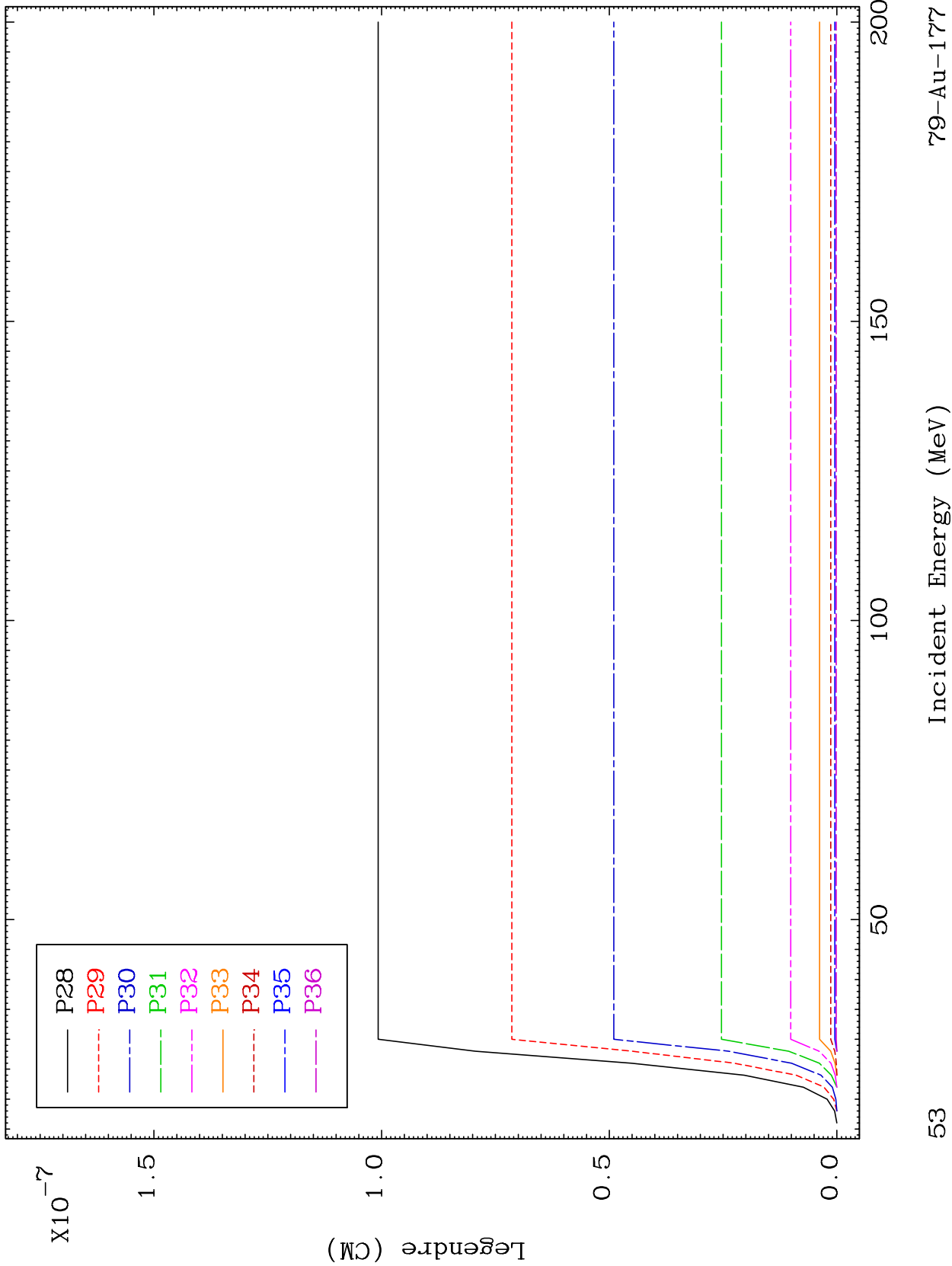
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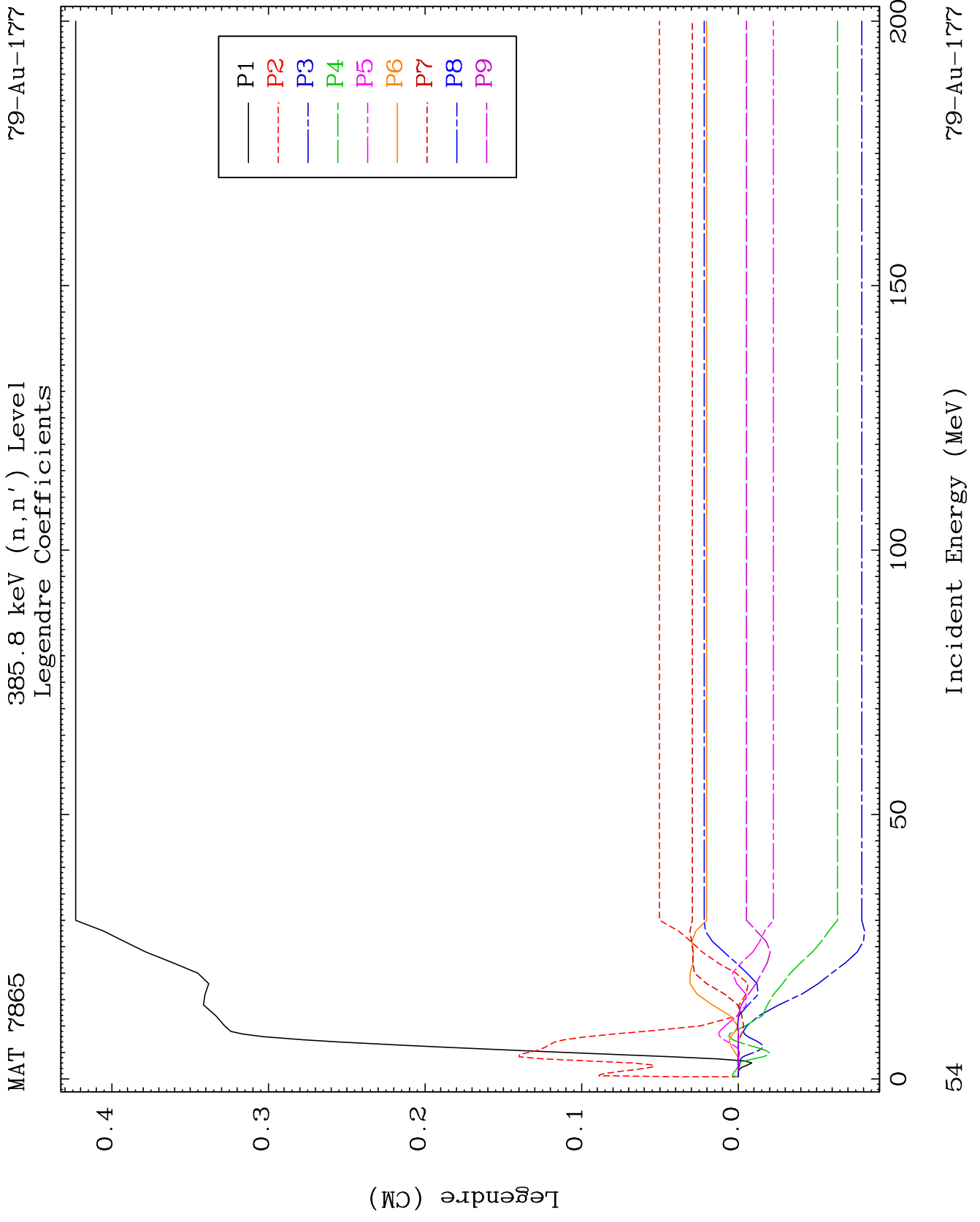


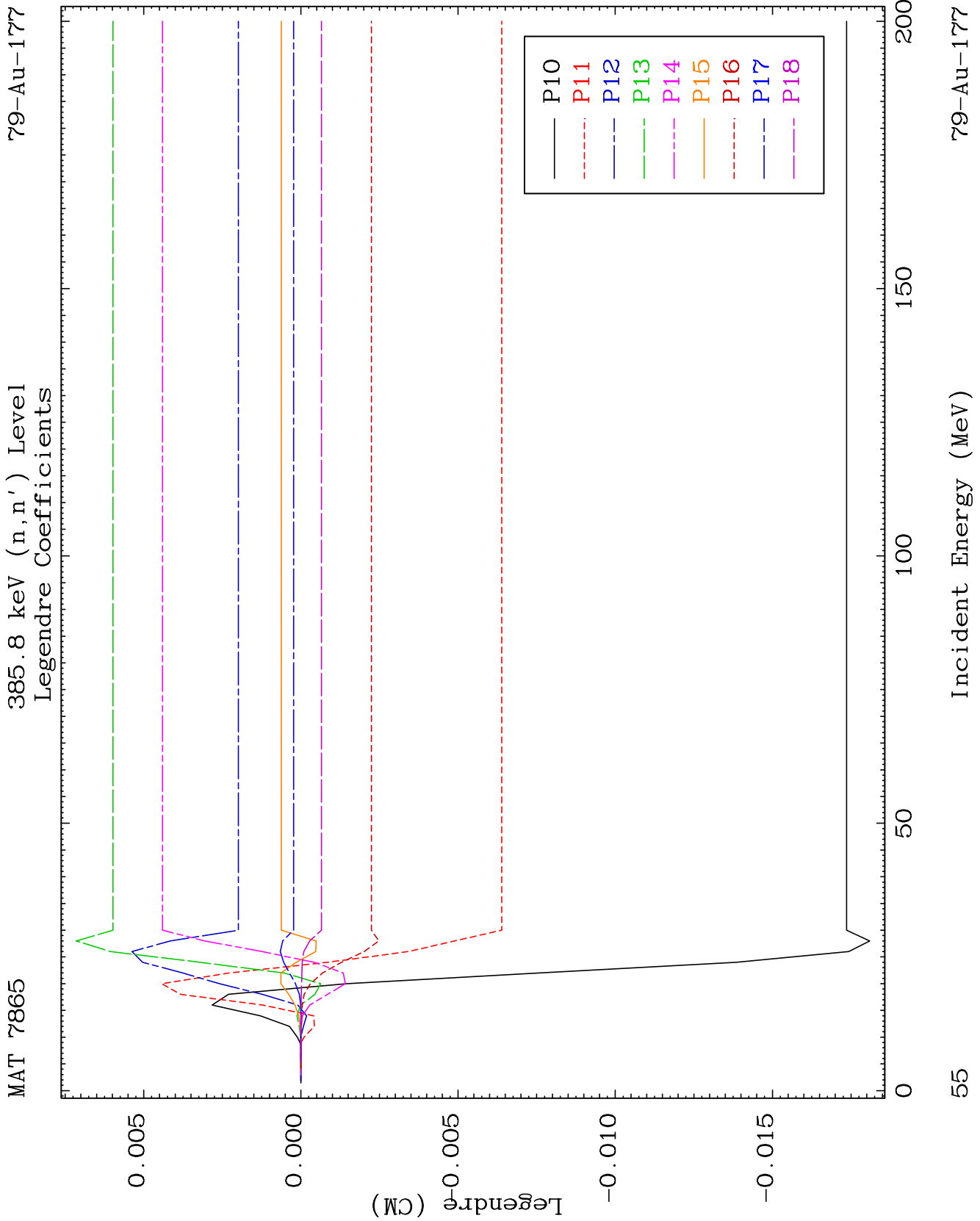
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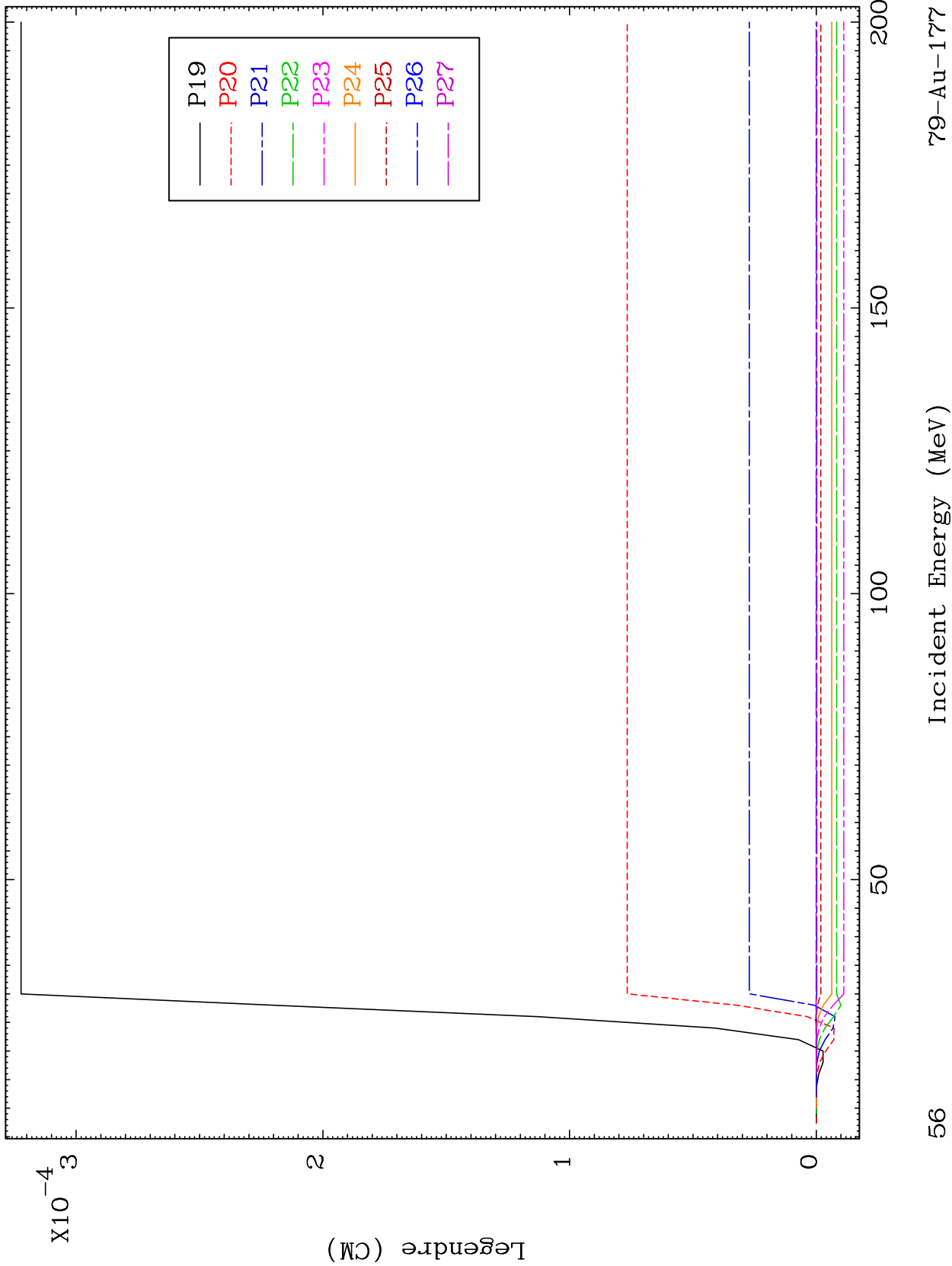
Incident Energy (MeV)

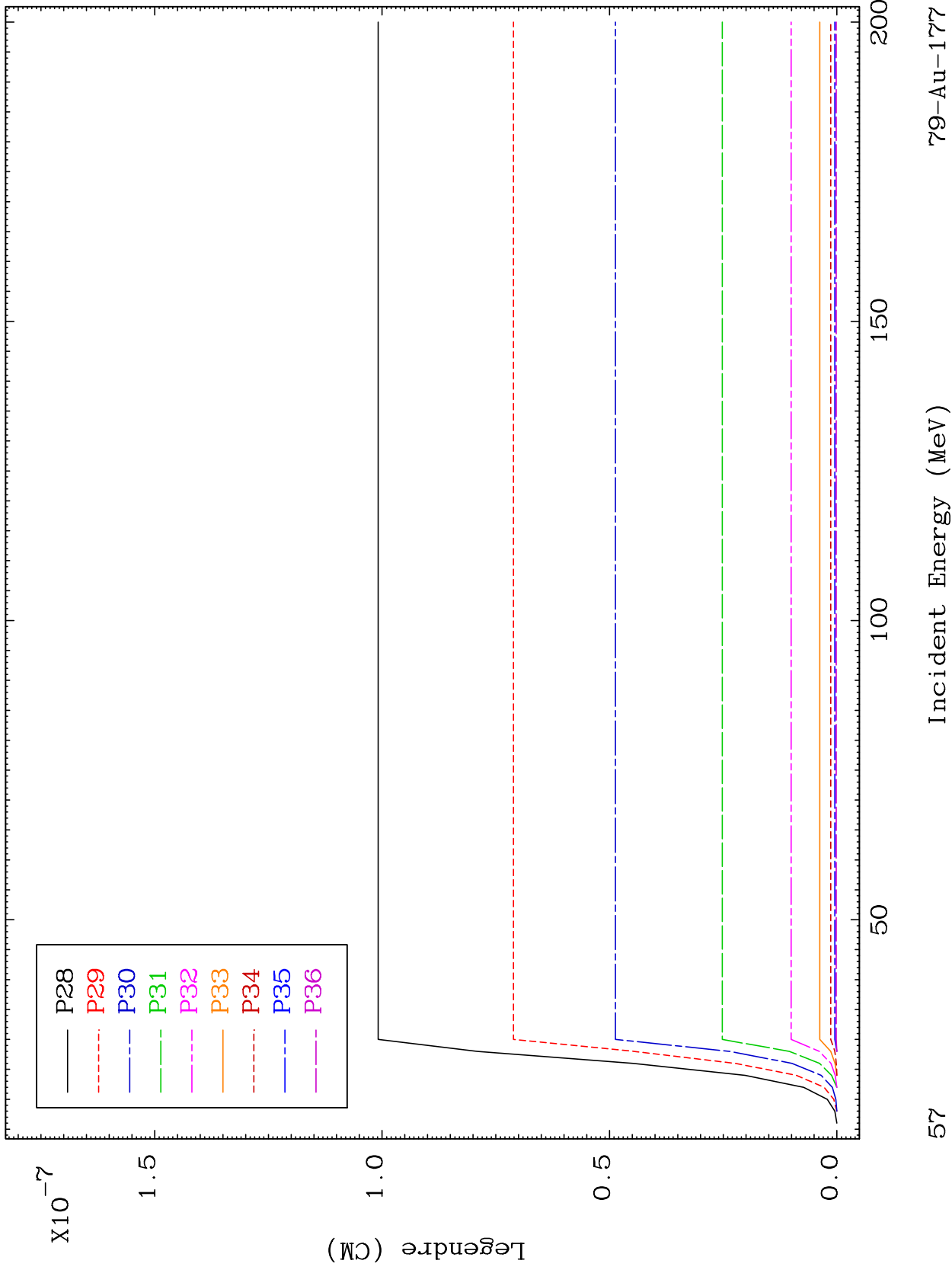
79-Au-177







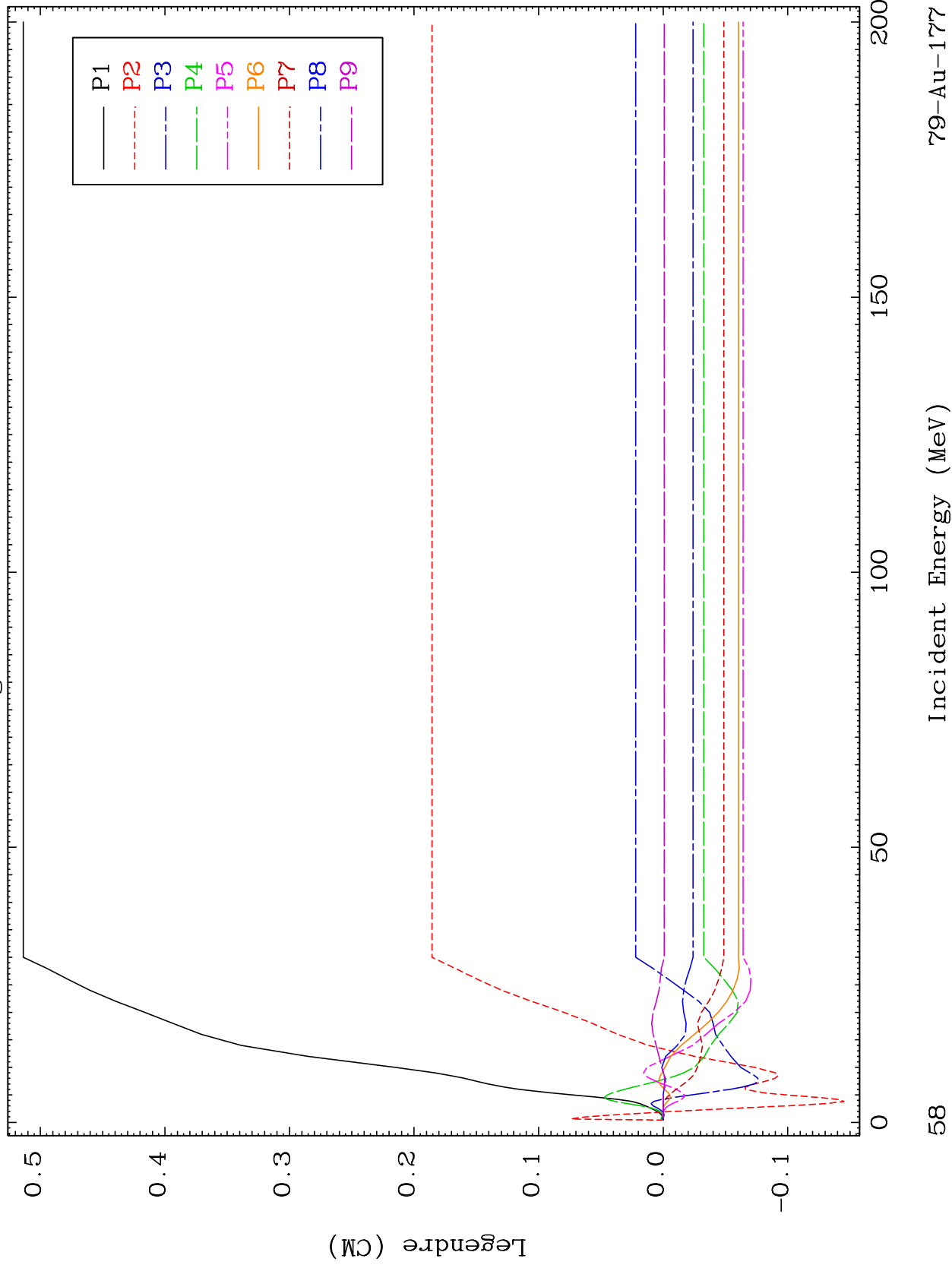




MAT 7865

413.0 keV (n,n') Level
Legendre Coefficients

79-Au-177



79-Au-177

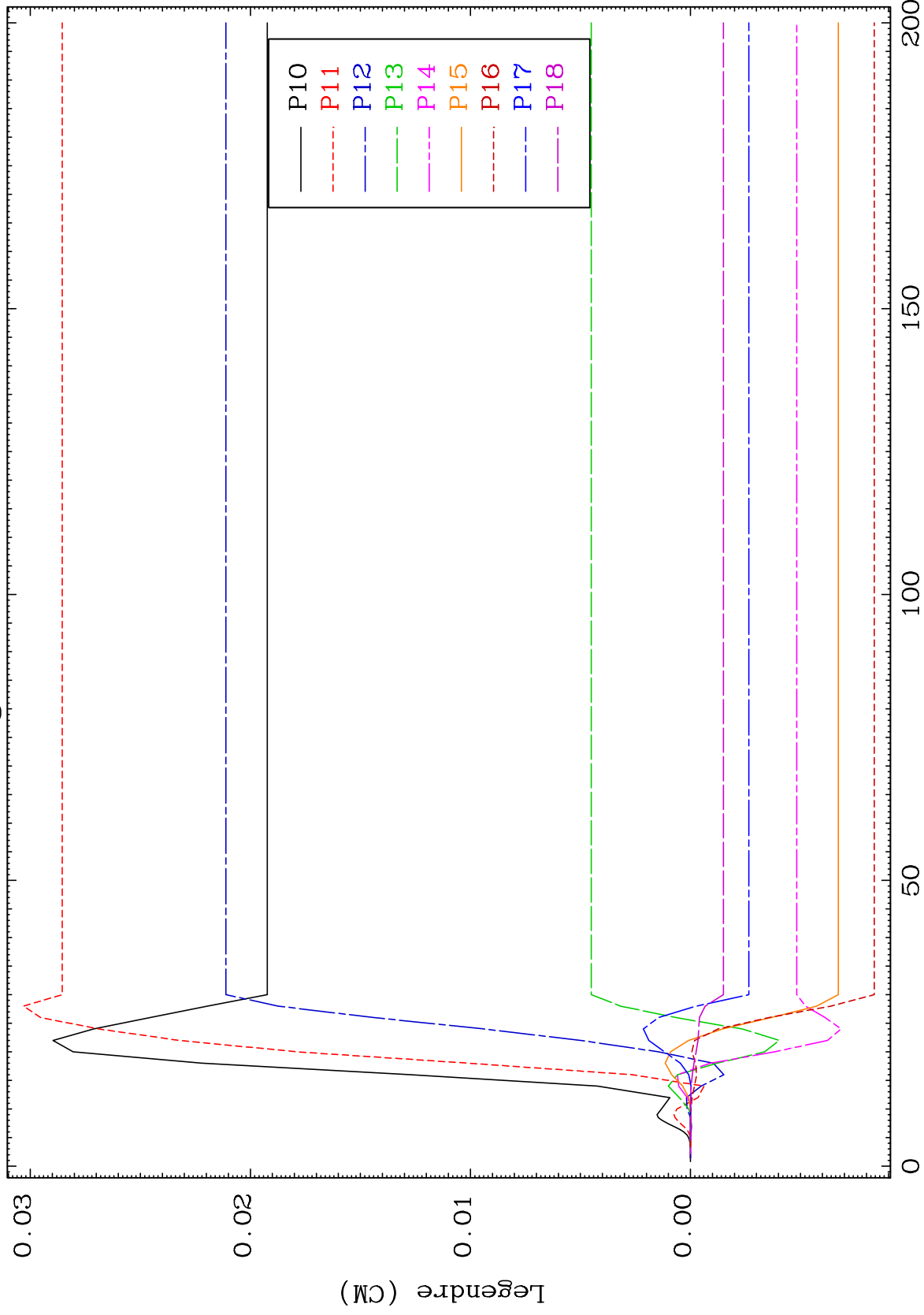
Incident Energy (MeV)

58

MAT 7865

413.0 keV (n,n') Level
Legendre Coefficients

79-Au-177



59

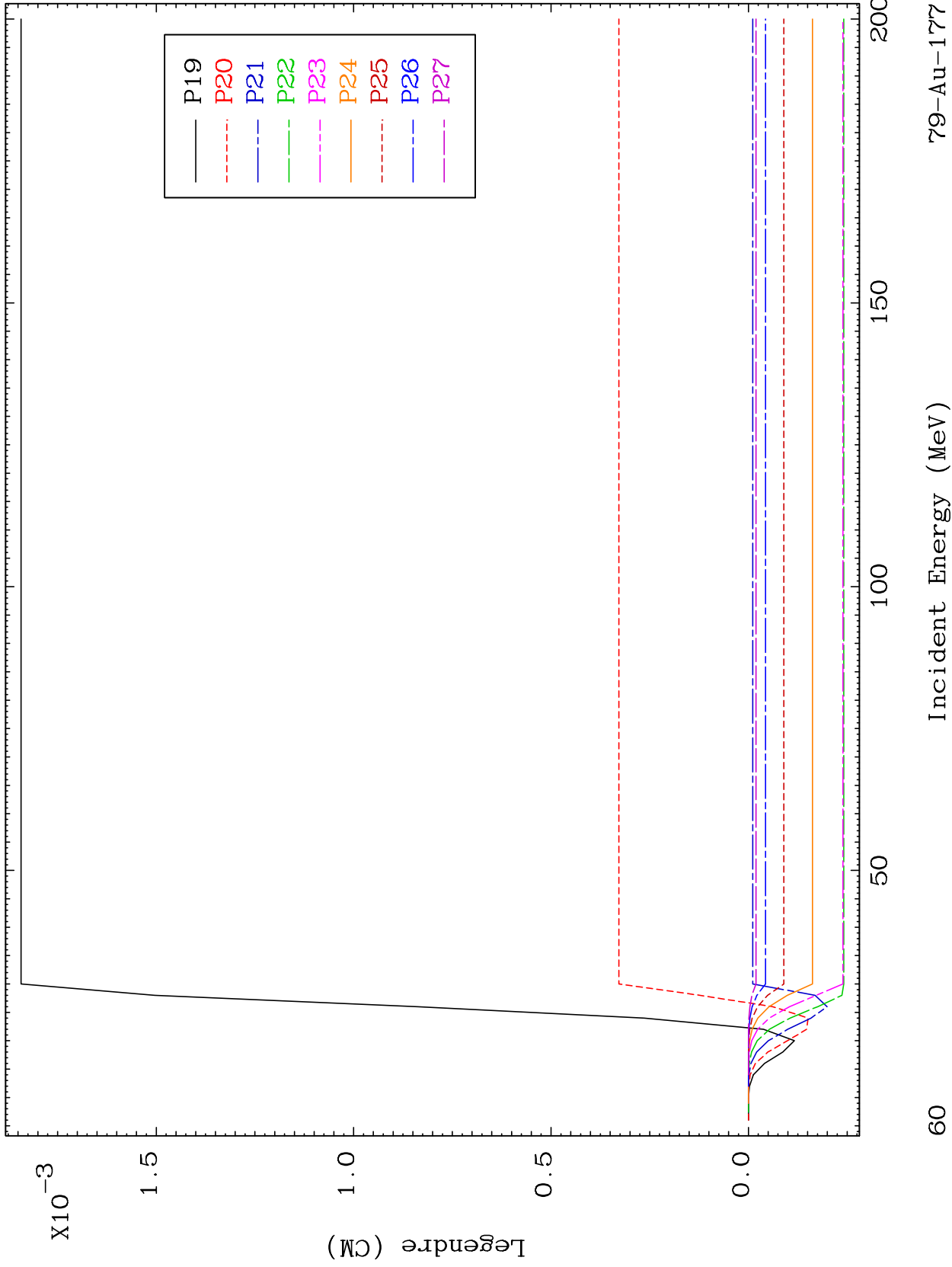
Incident Energy (MeV)

79-Au-177

MAT 7865

413.0 keV (n, n') Level
Legendre Coefficients

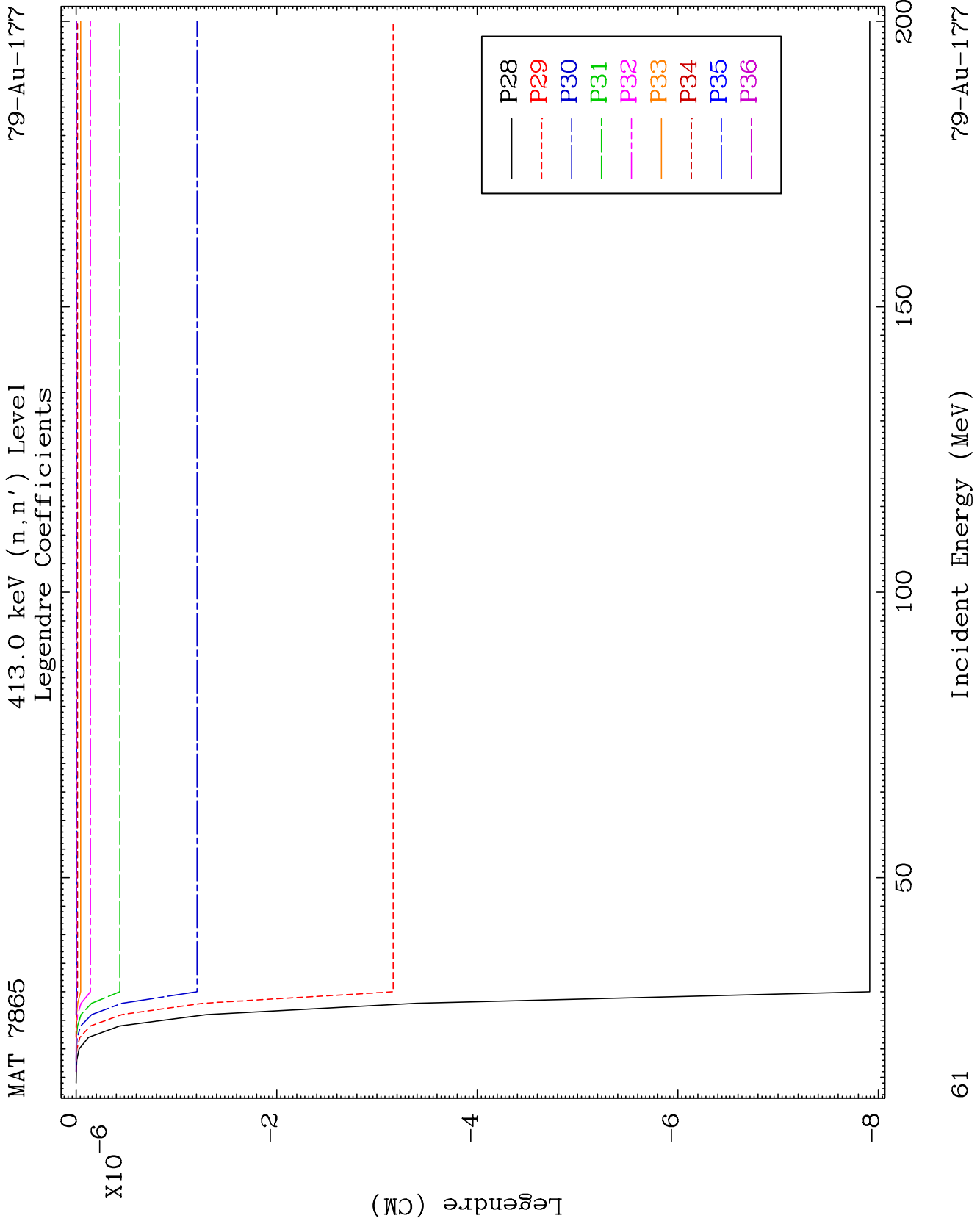
79-Au-177



60

Incident Energy (MeV)

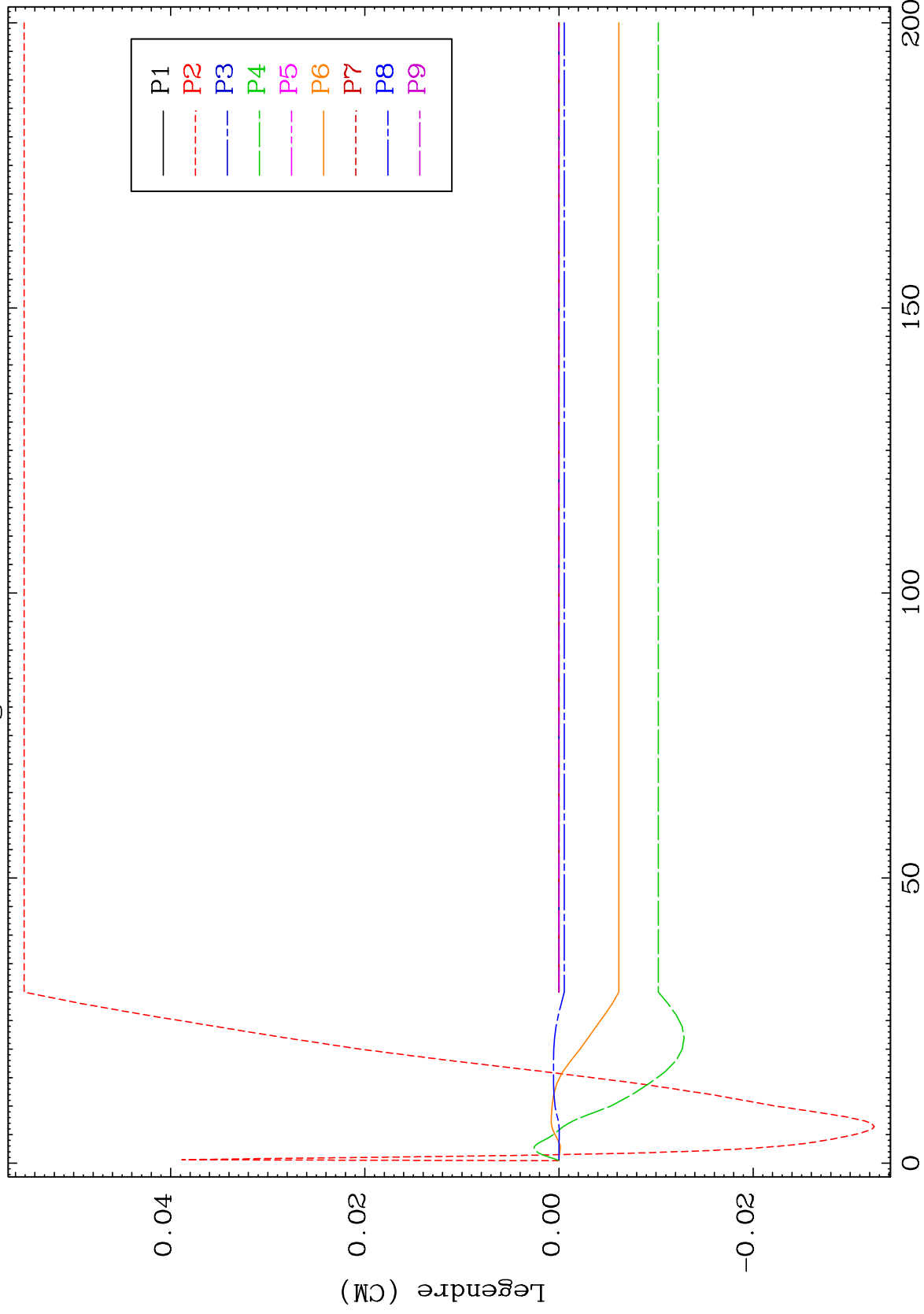
79-Au-177



MAT 7865

424.1 keV (n,n') Level
Legendre Coefficients

79-Au-177



62

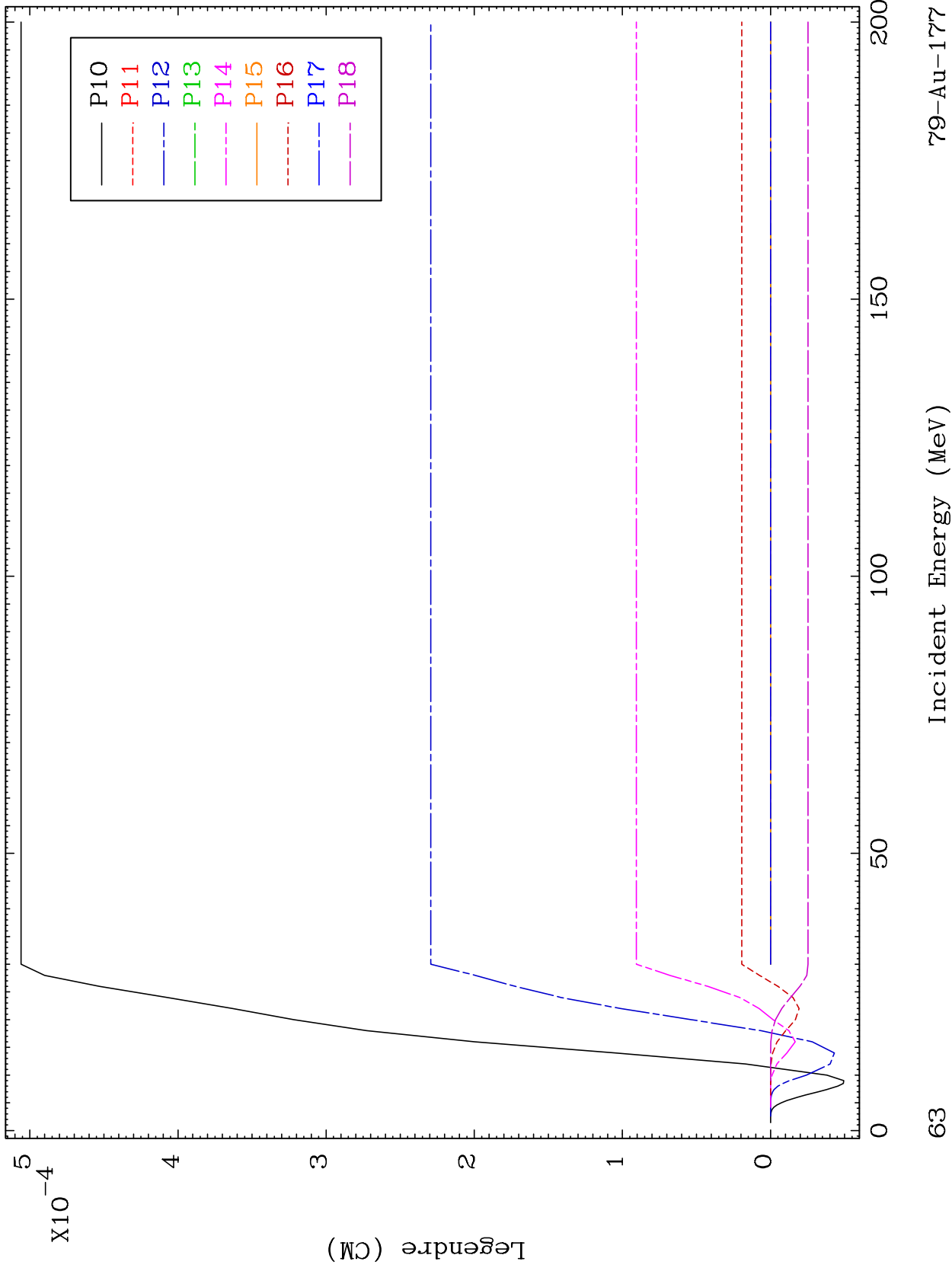
Incident Energy (MeV)

79-Au-177

MAT 7865

424.1 keV (n,n') Level
Legendre Coefficients

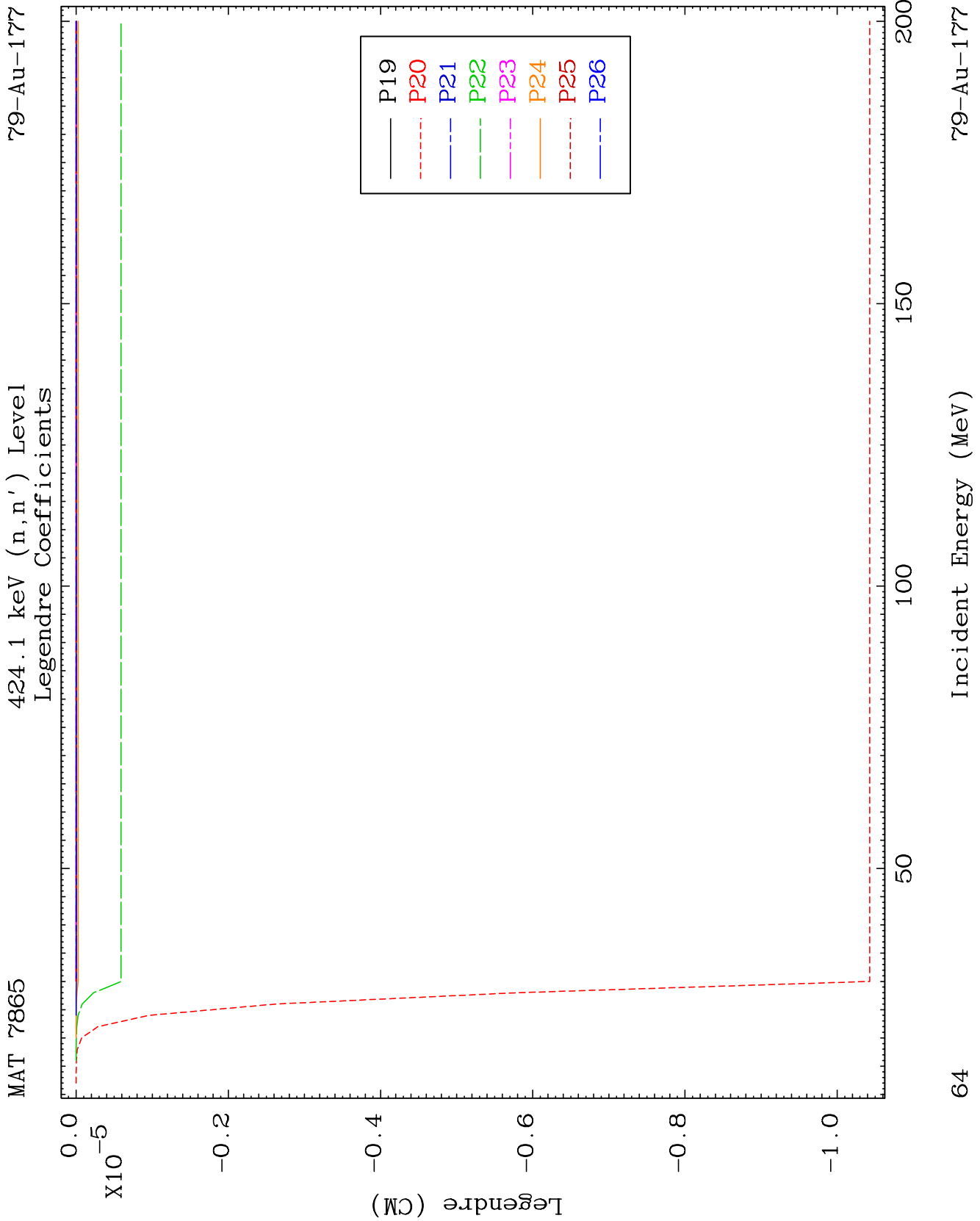
79-Au-177

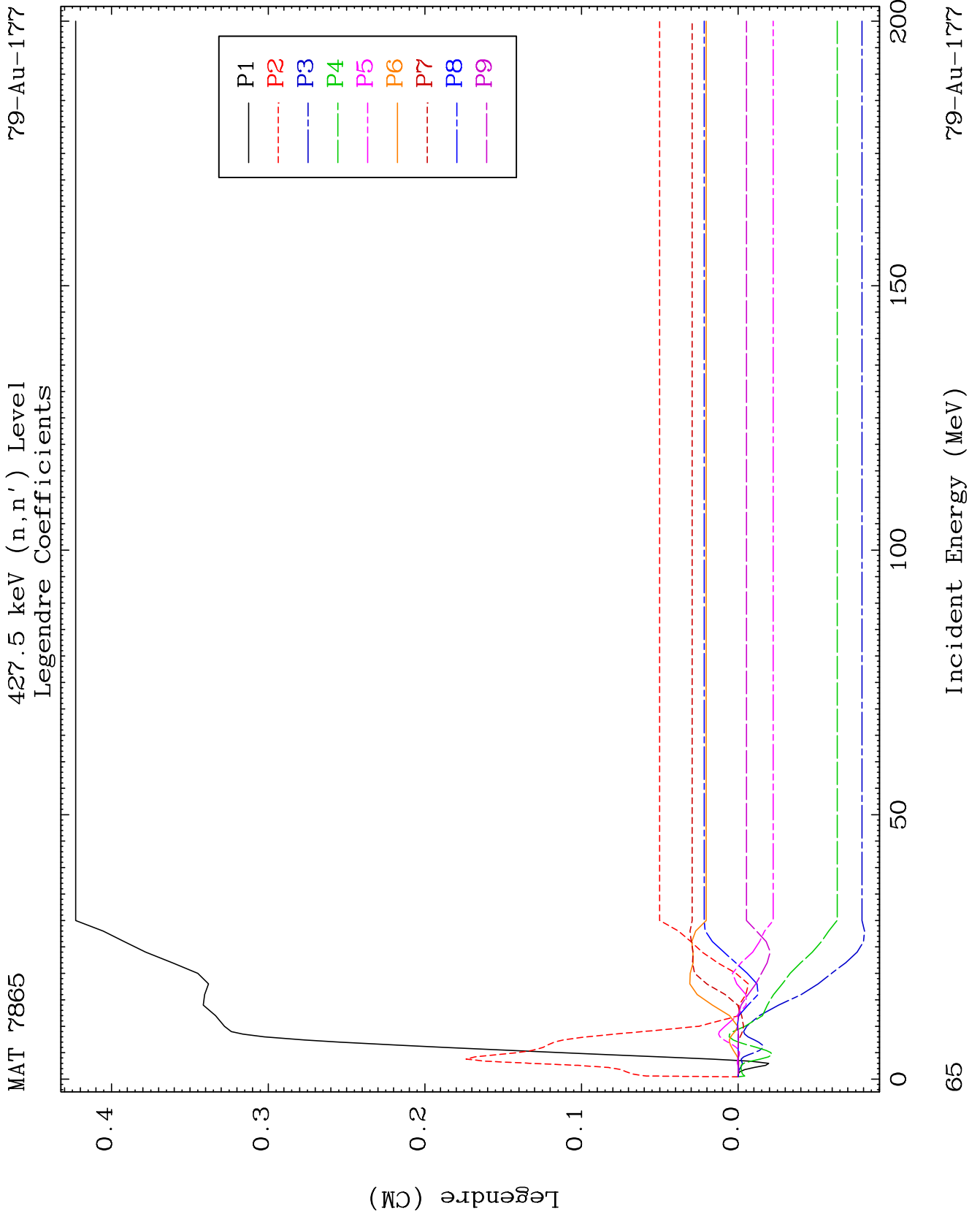


79-Au-177

Incident Energy (MeV)

63

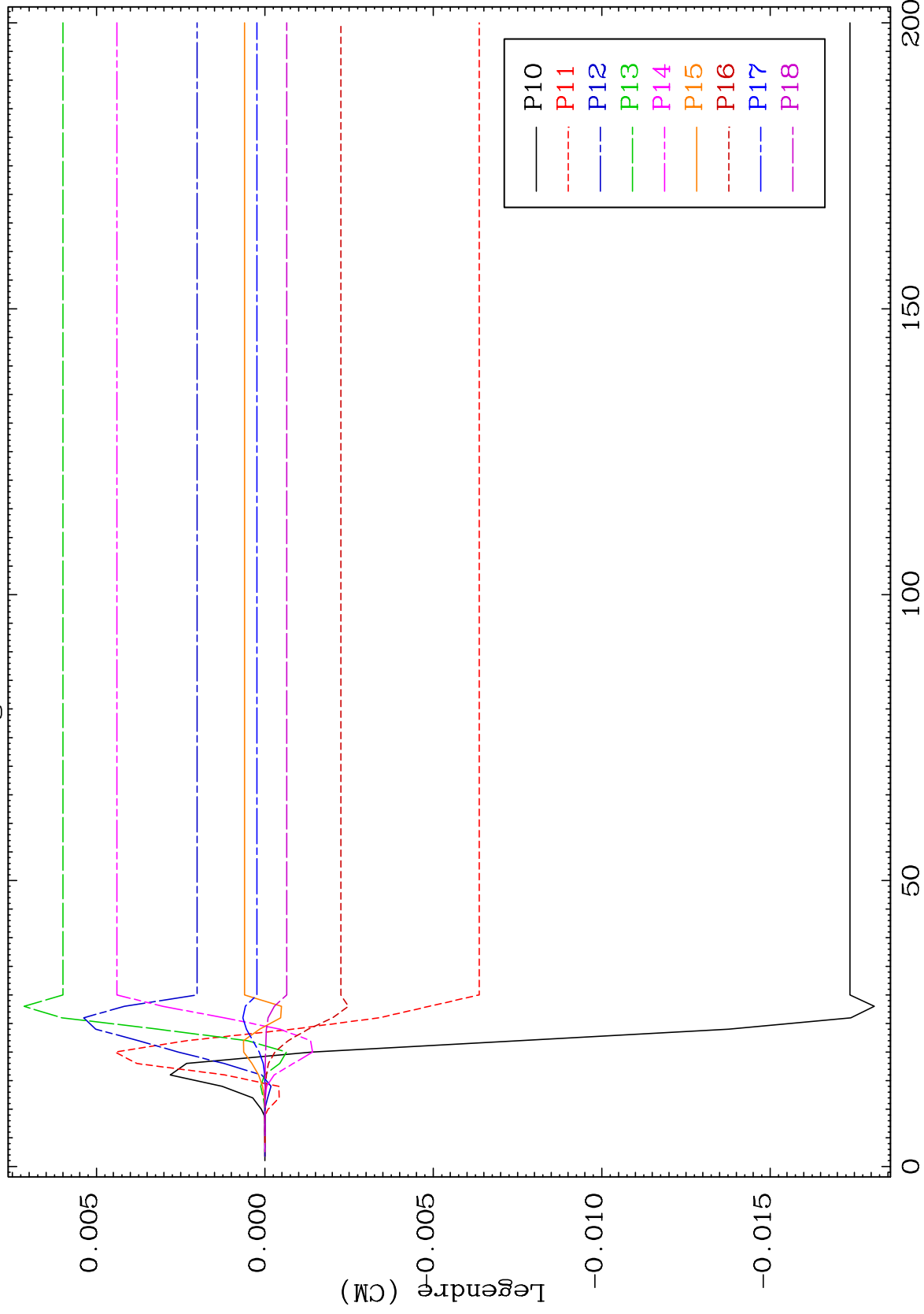




MAT 7865

427.5 keV (n,n') Level
Legendre Coefficients

79-Au-177



66

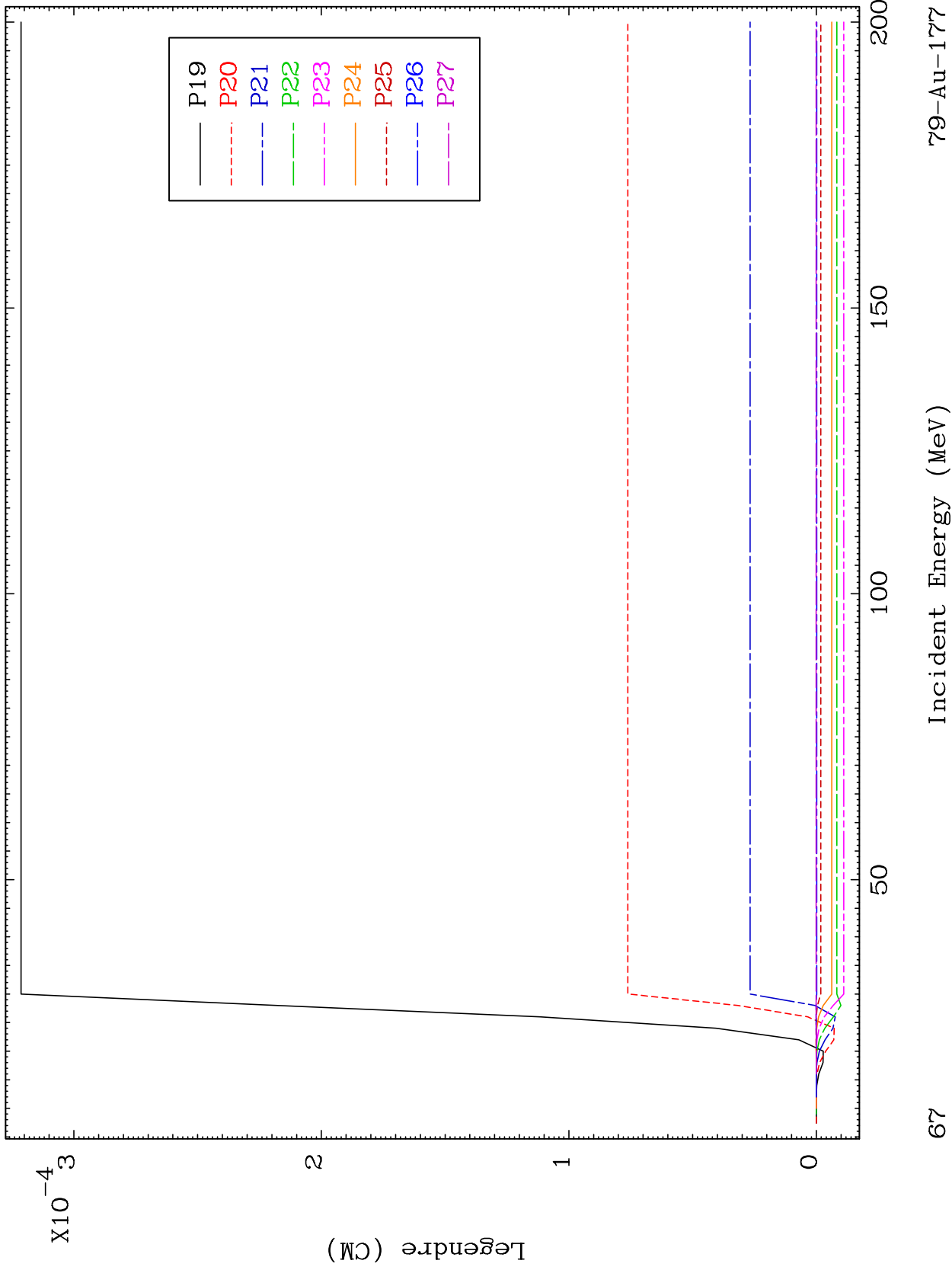
Incident Energy (MeV)

79-Au-177

MAT 7865

427.5 keV (n,n') Level
Legendre Coefficients

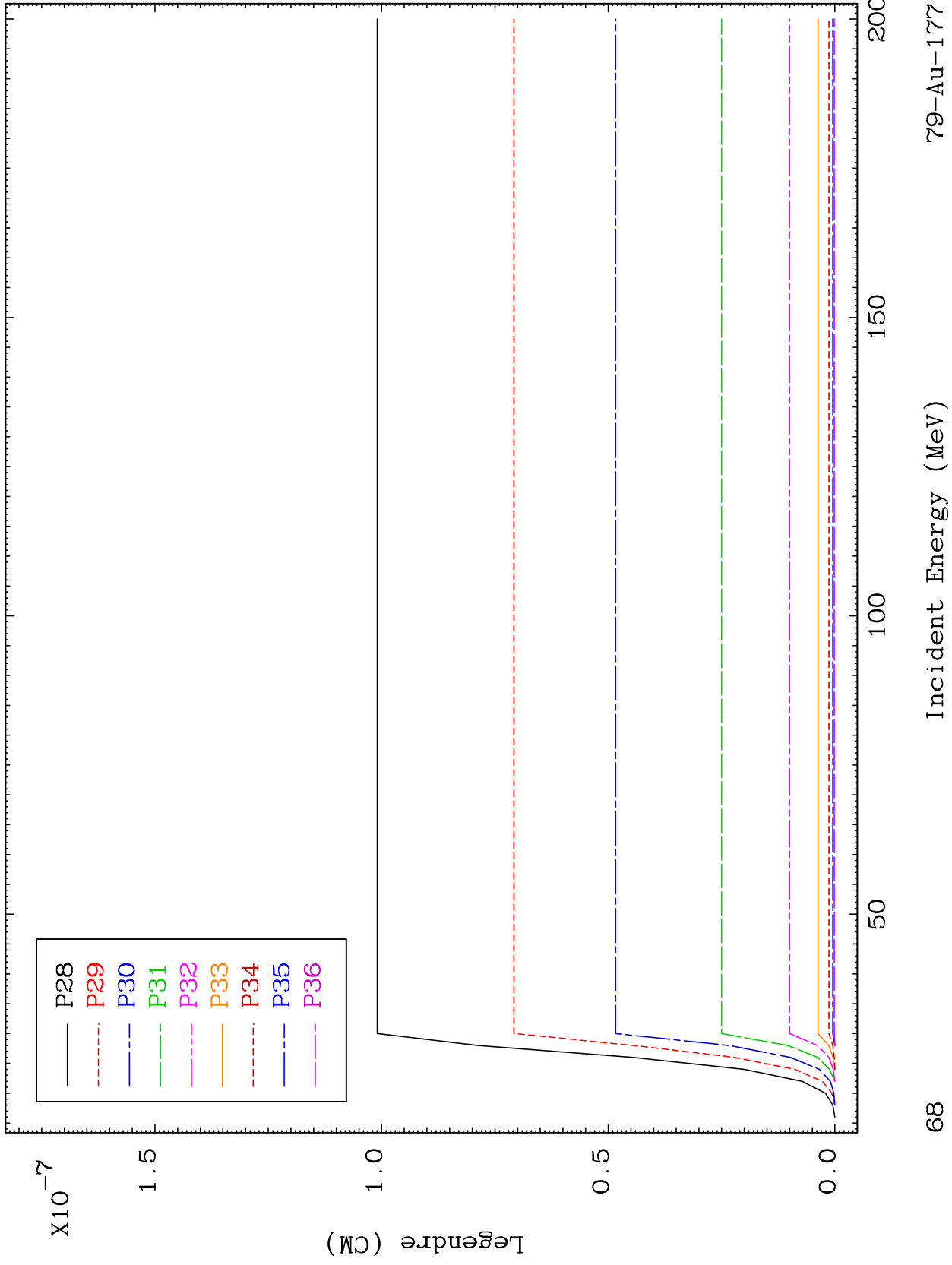
79-Au-177



MAT 7865

427.5 keV (n,n') Level
Legendre Coefficients

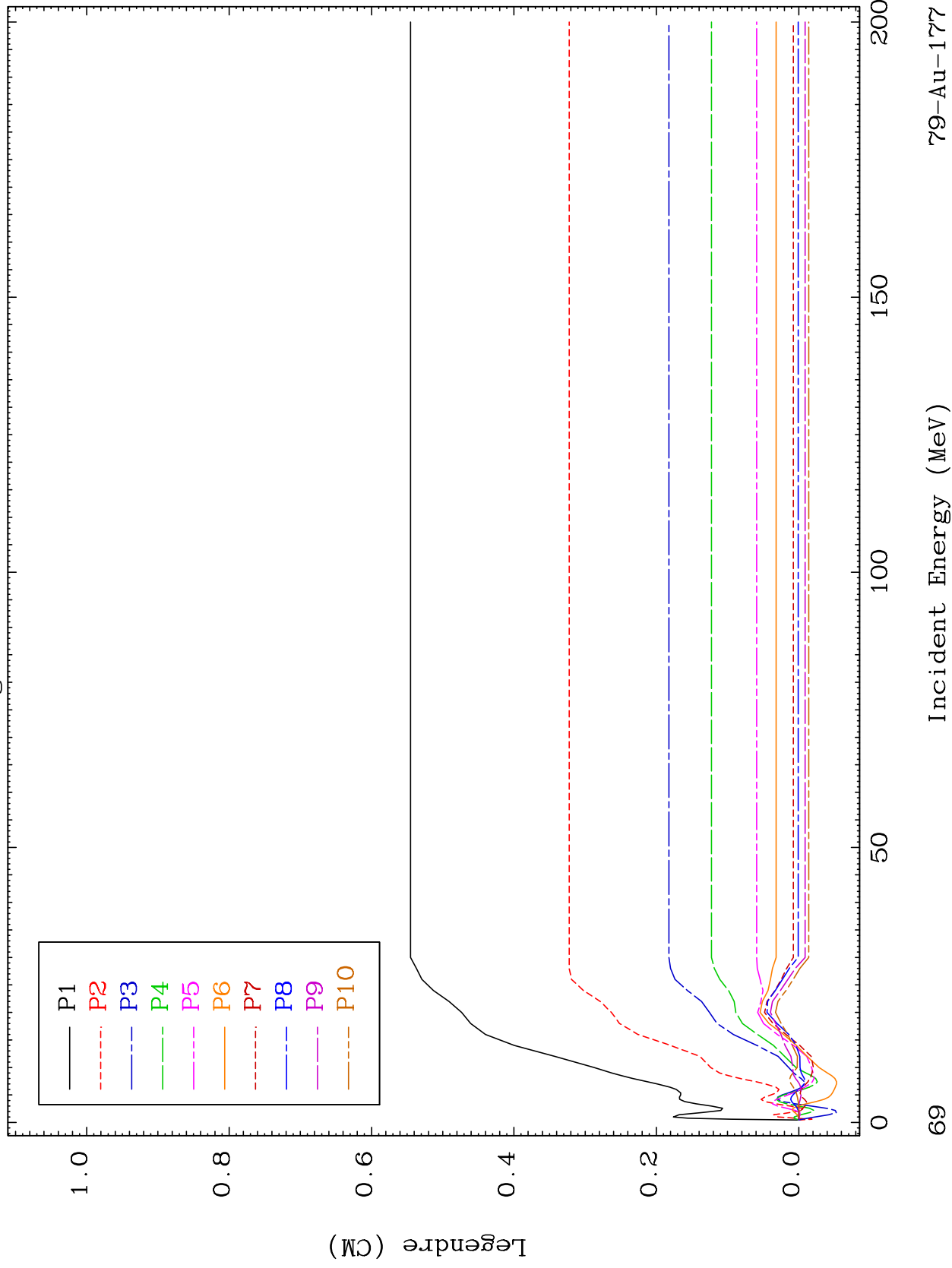
79-Au-177



MAT 7865

436.6 keV (n,n') Level
Legendre Coefficients

79-Au-177



69

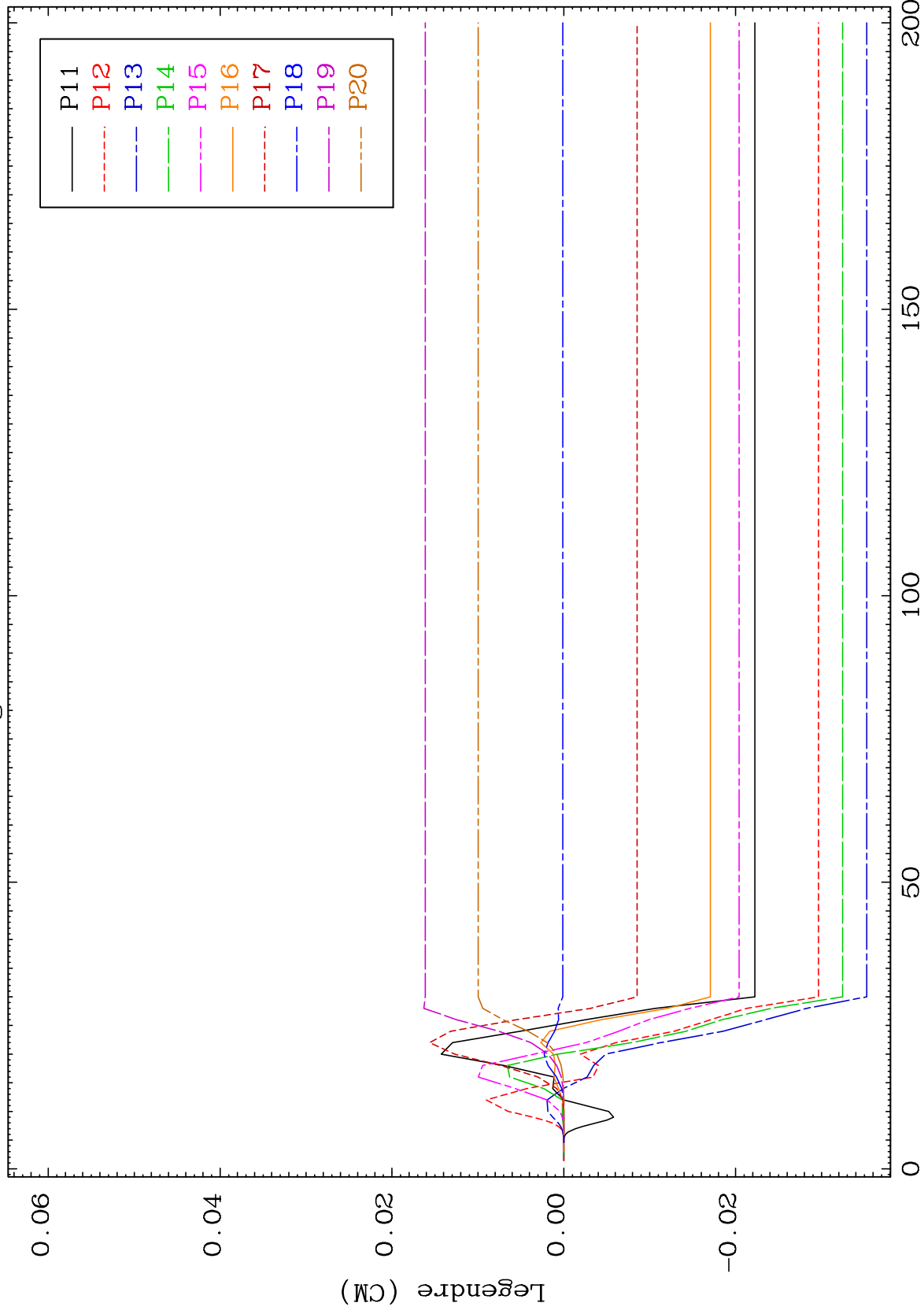
Incident Energy (MeV)

79-Au-177

MAT 7865

436.6 keV (n,n') Level
Legendre Coefficients

79-Au-177



70

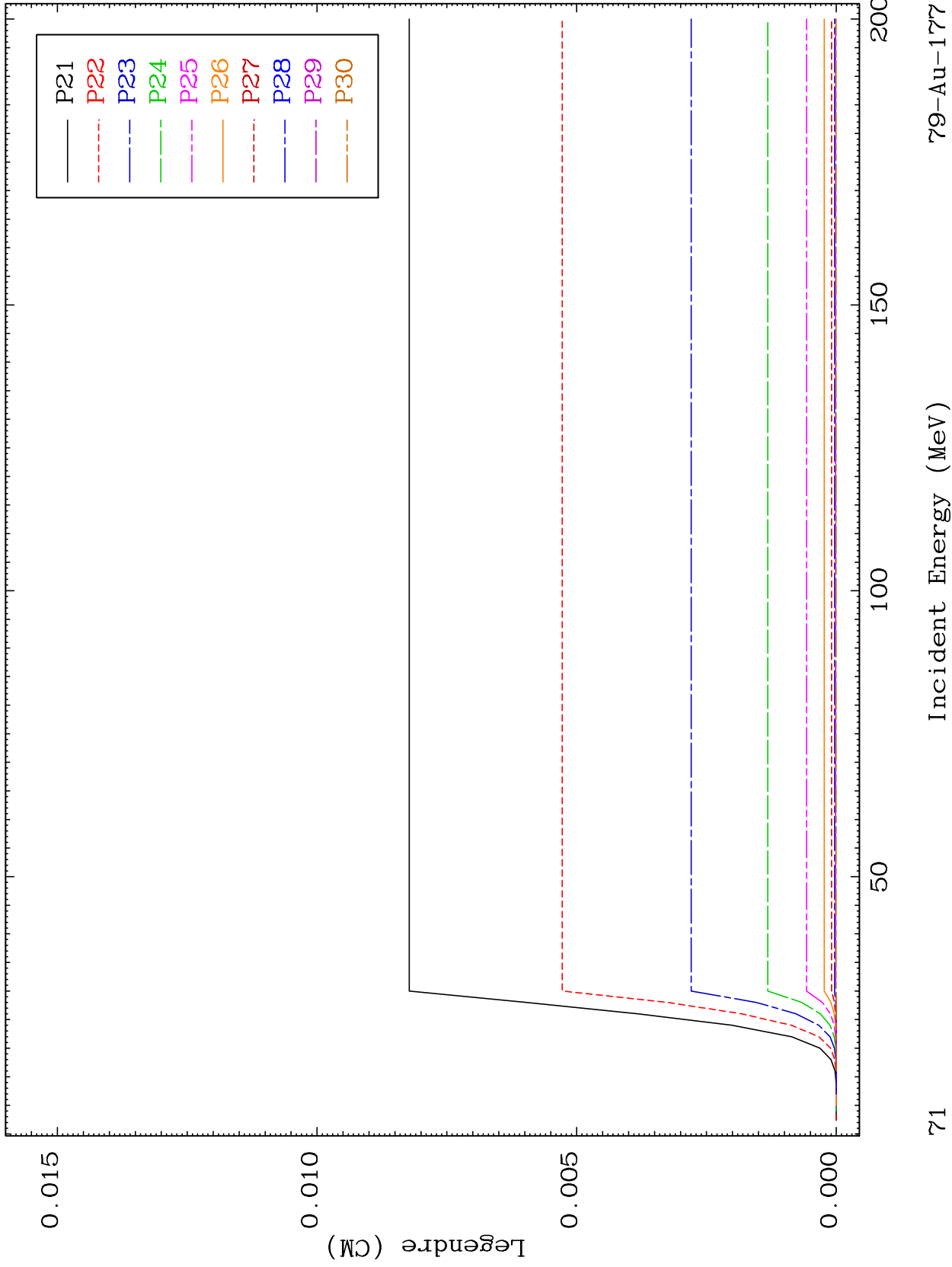
Incident Energy (MeV)

79-Au-177

MAT 7865

436.6 keV (n,n') Level
Legendre Coefficients

79-Au-177



71

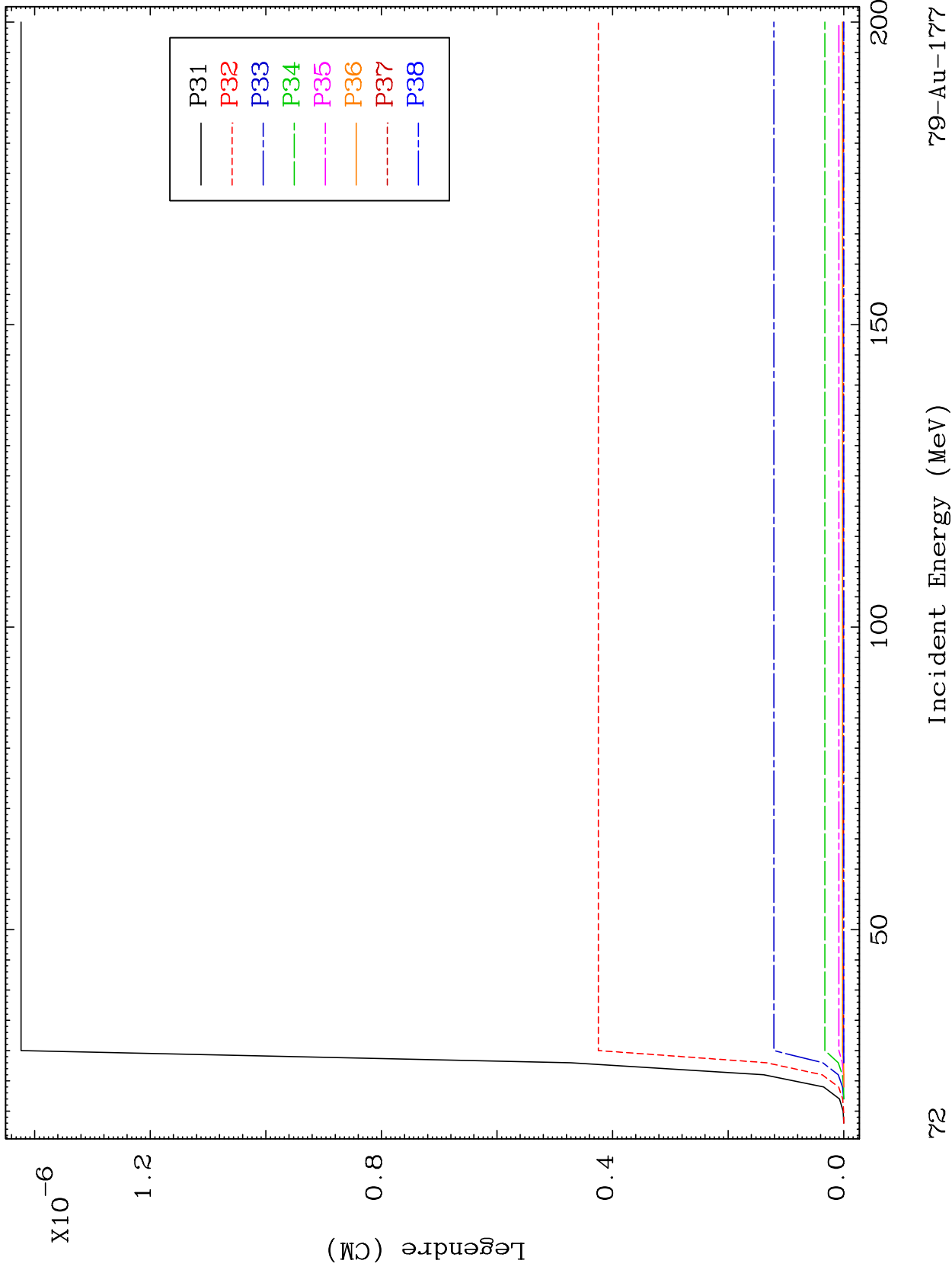
Incident Energy (MeV)

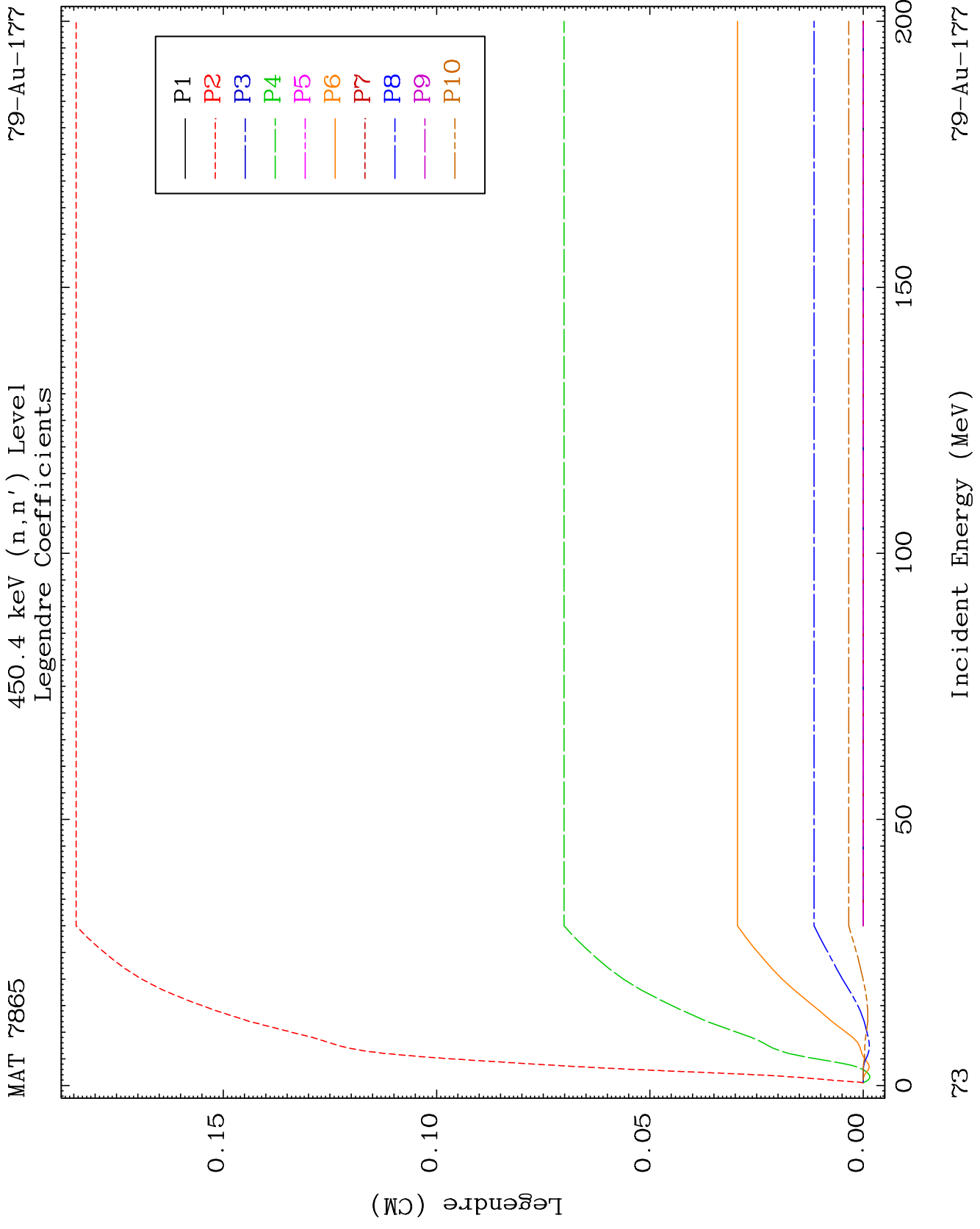
79-Au-177

MAT 7865

436.6 keV (n,n') Level
Legendre Coefficients

79-Au-177

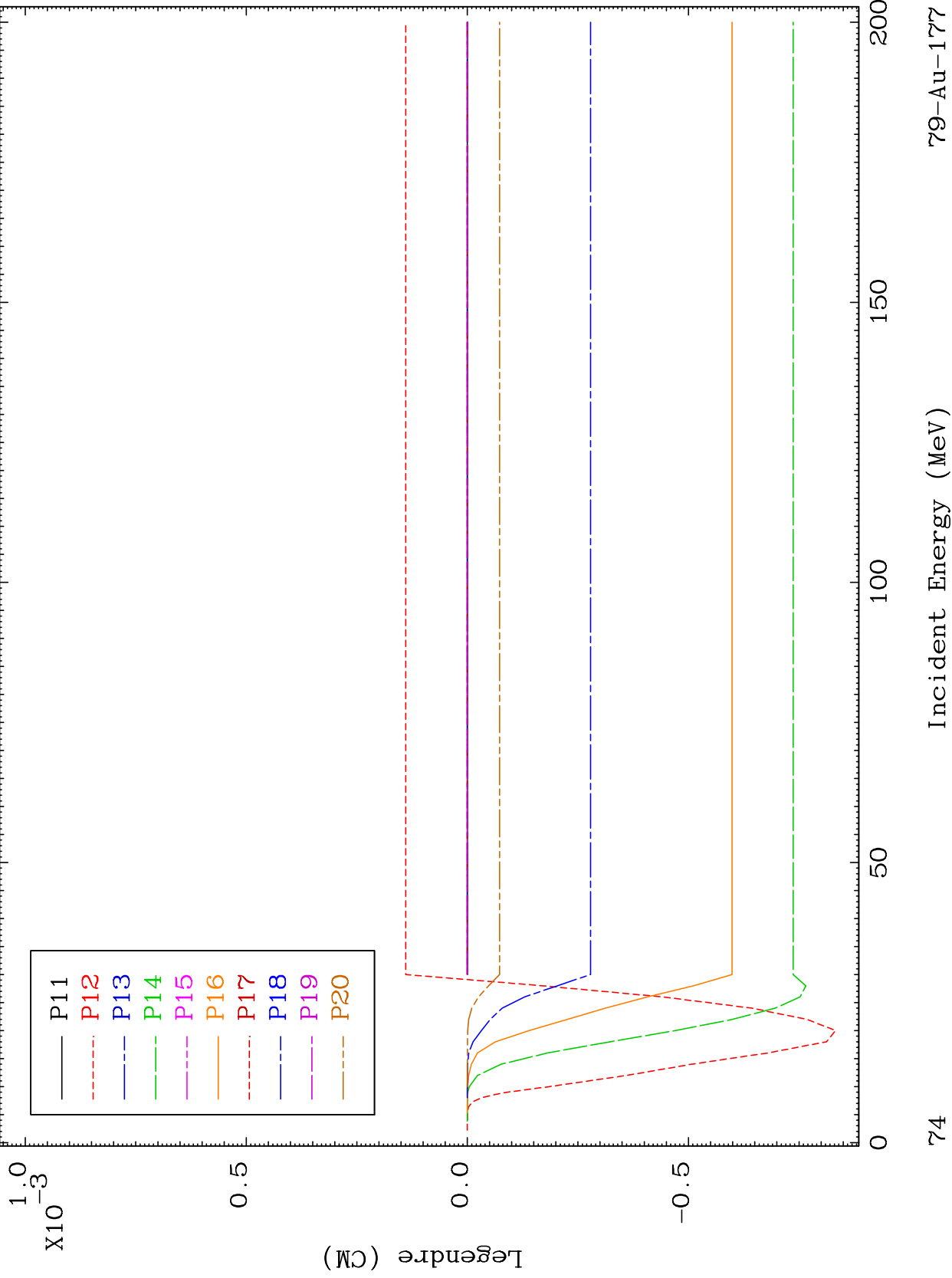


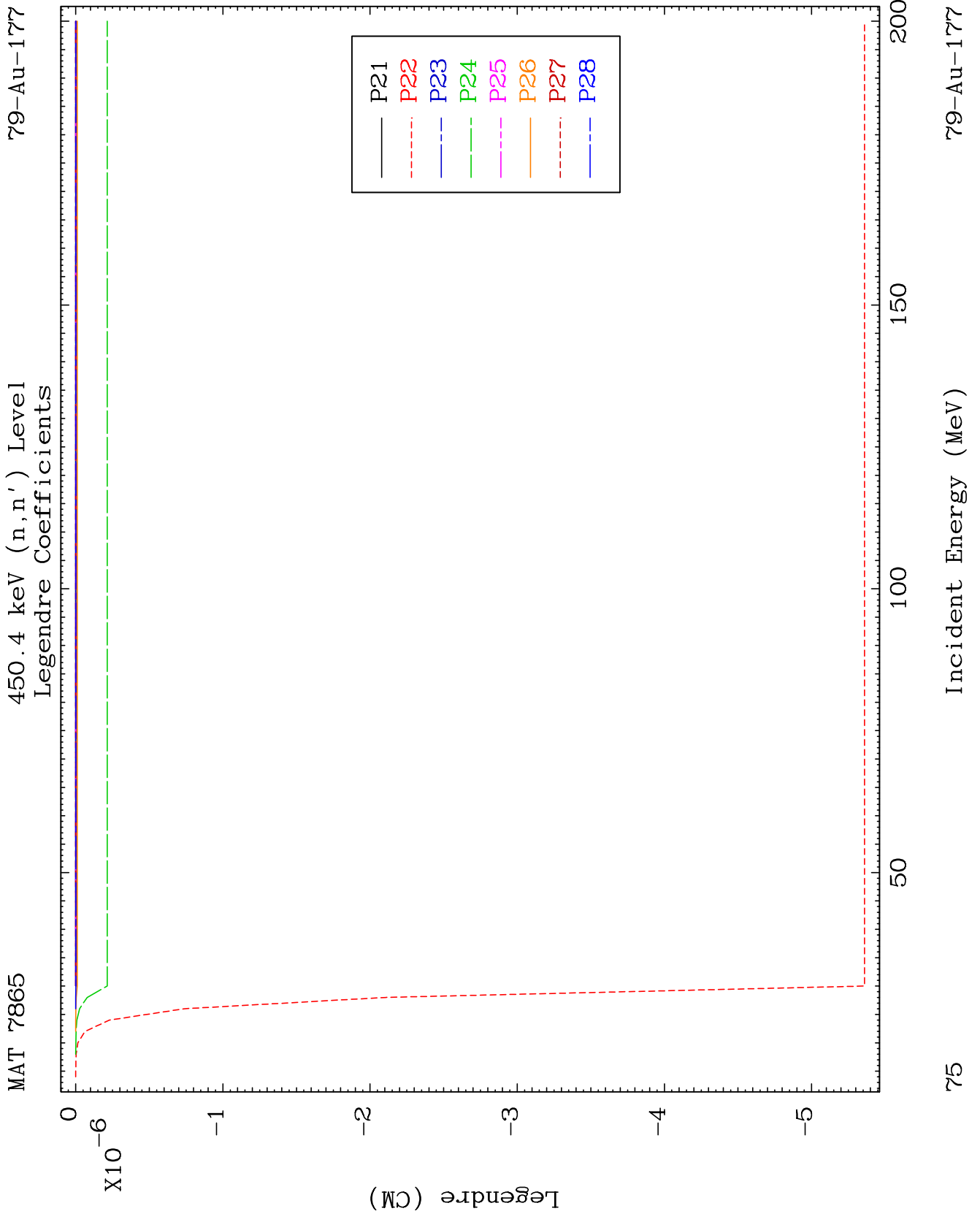


MAT 7865

450.4 keV (n,n') Level
Legendre Coefficients

79-Au-177

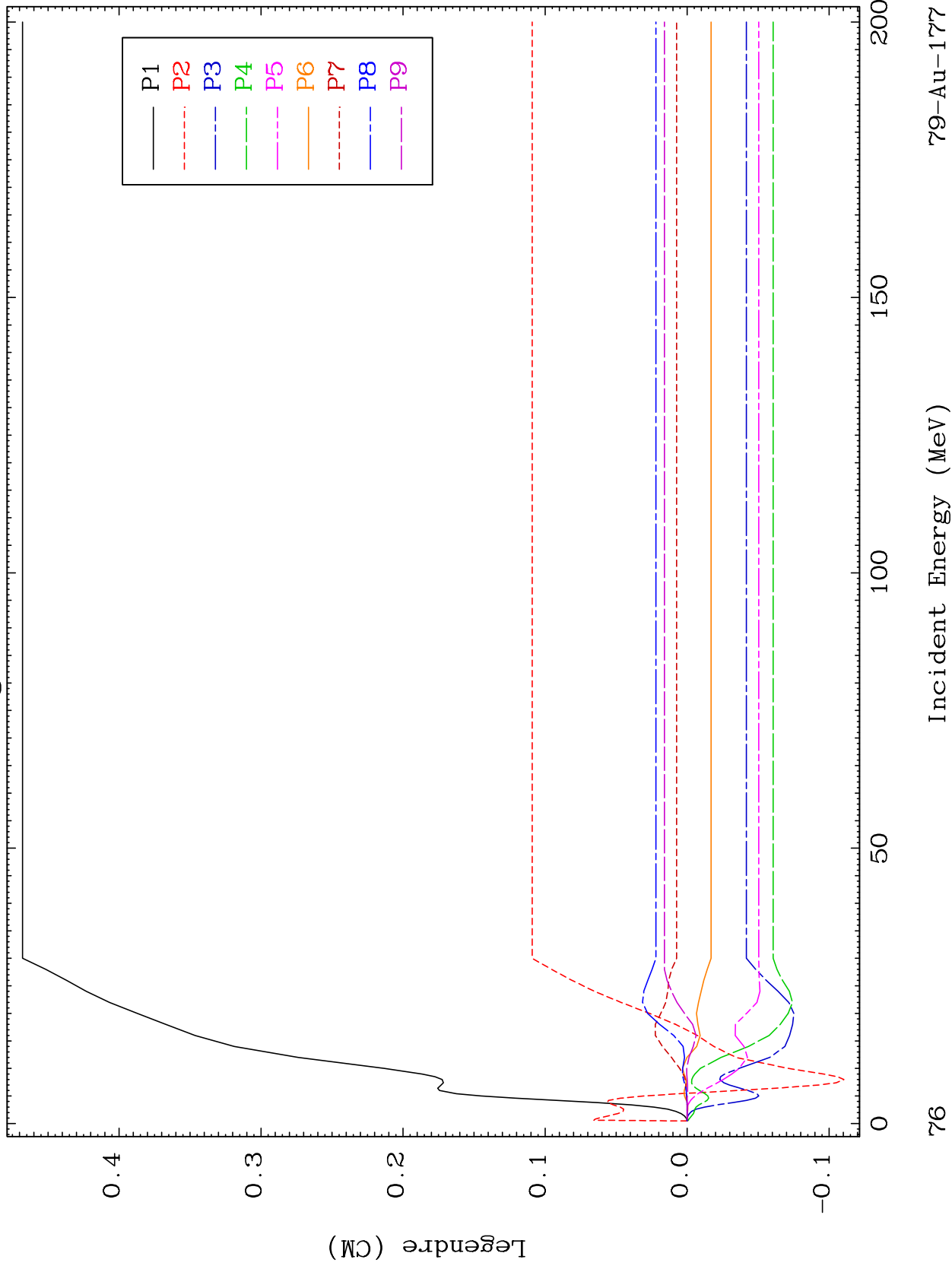




MAT 7865

463.2 keV (n,n') Level
Legendre Coefficients

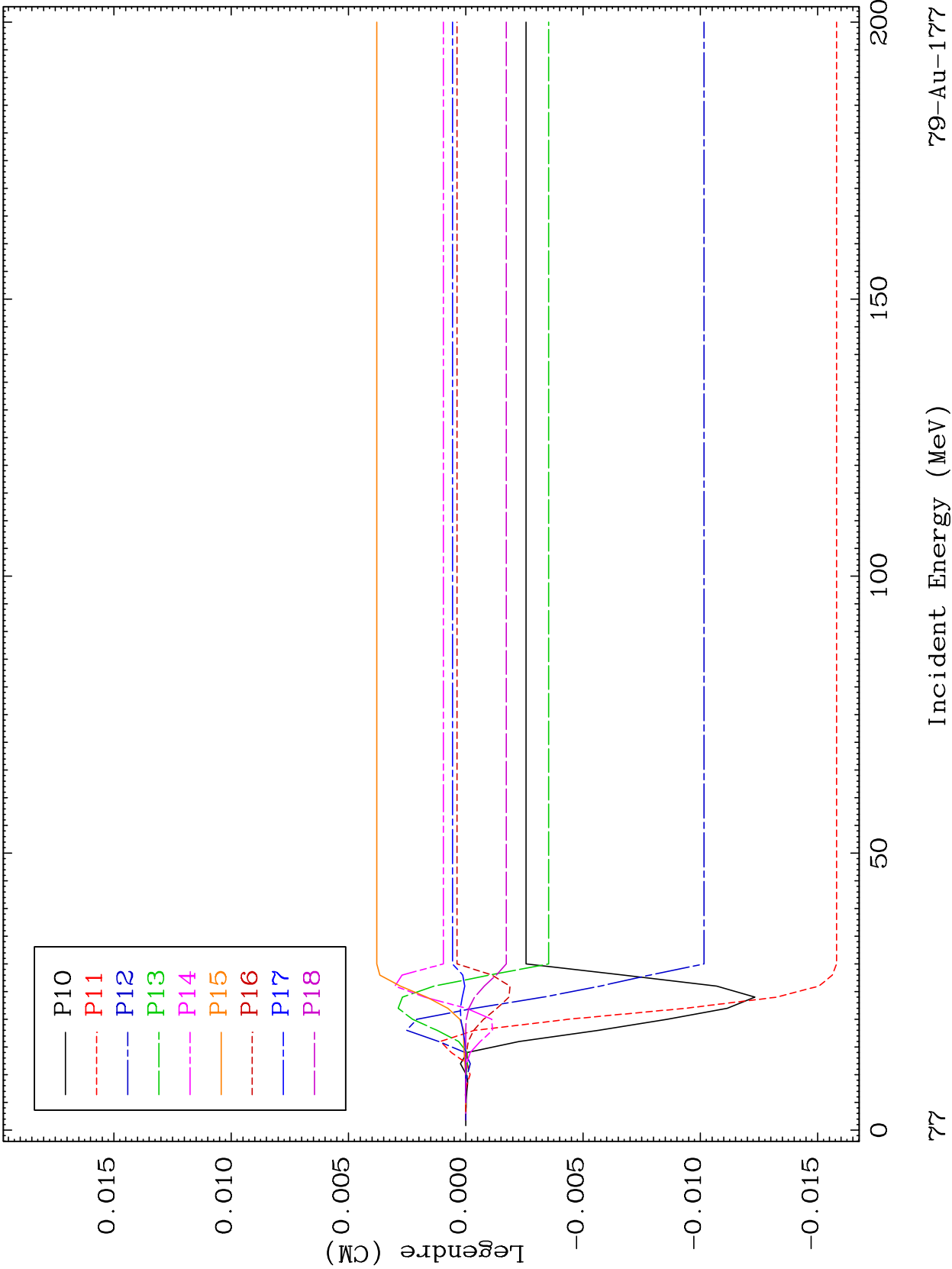
79-Au-177

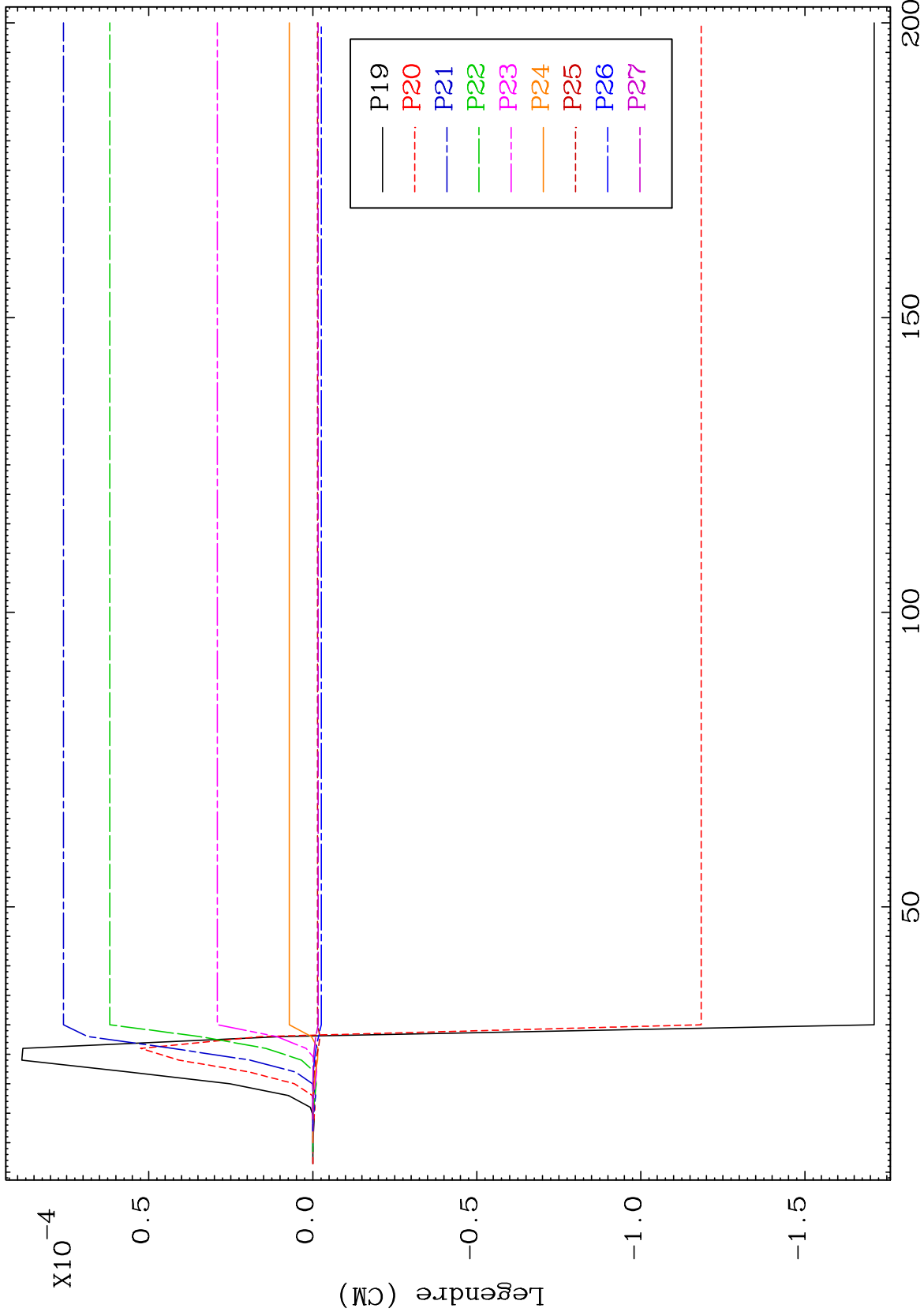


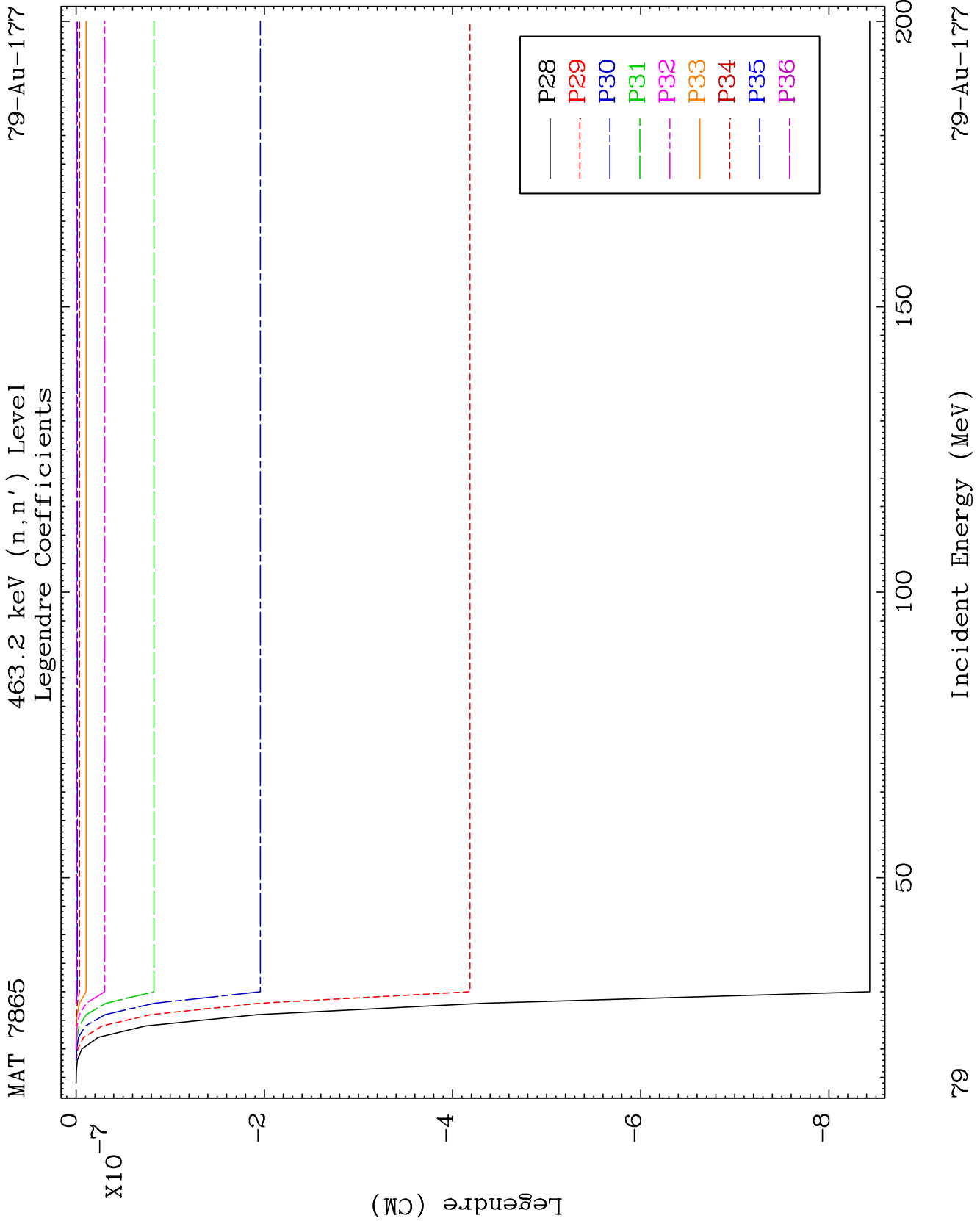
79-Au-177

Incident Energy (MeV)

76



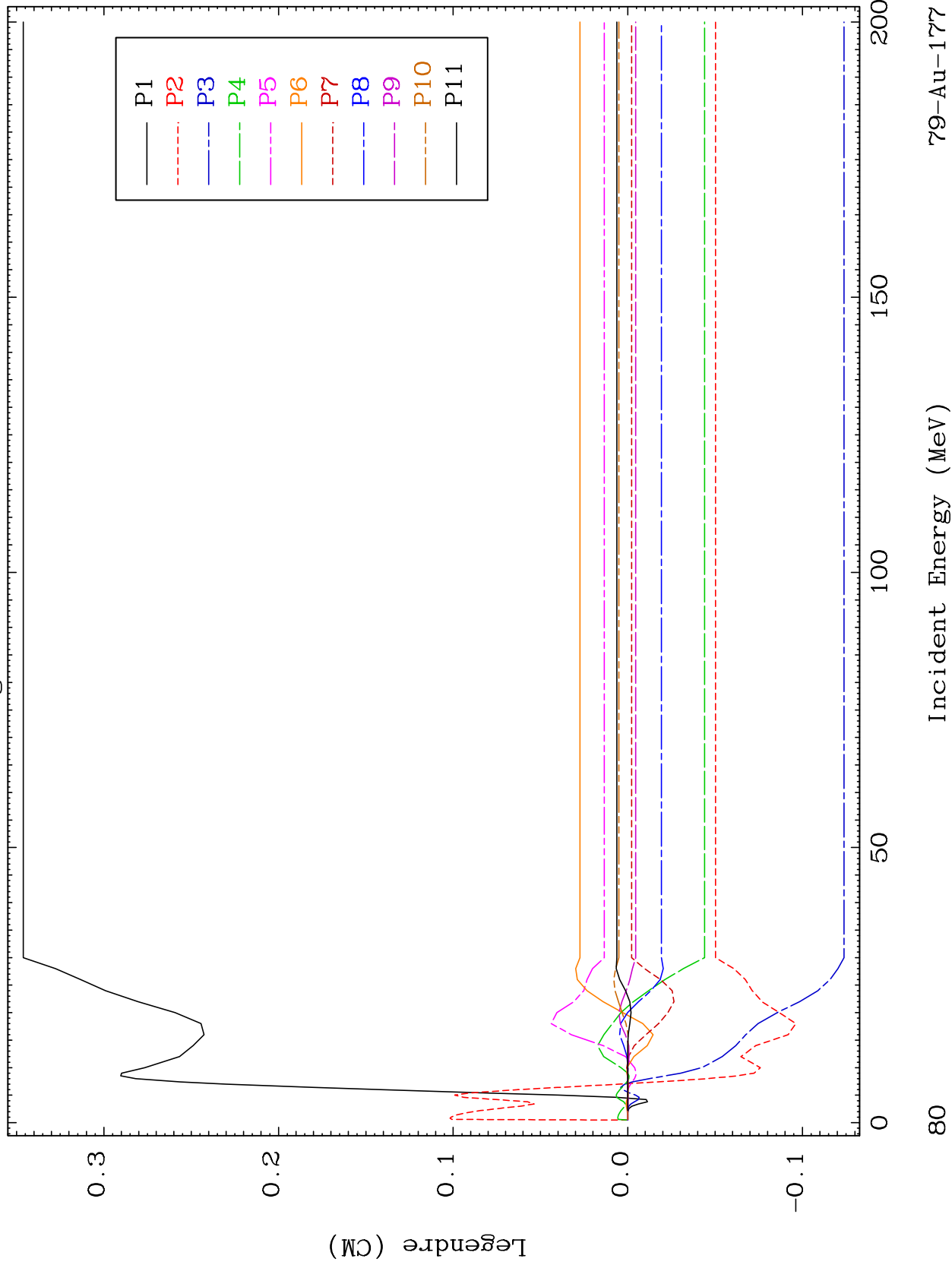


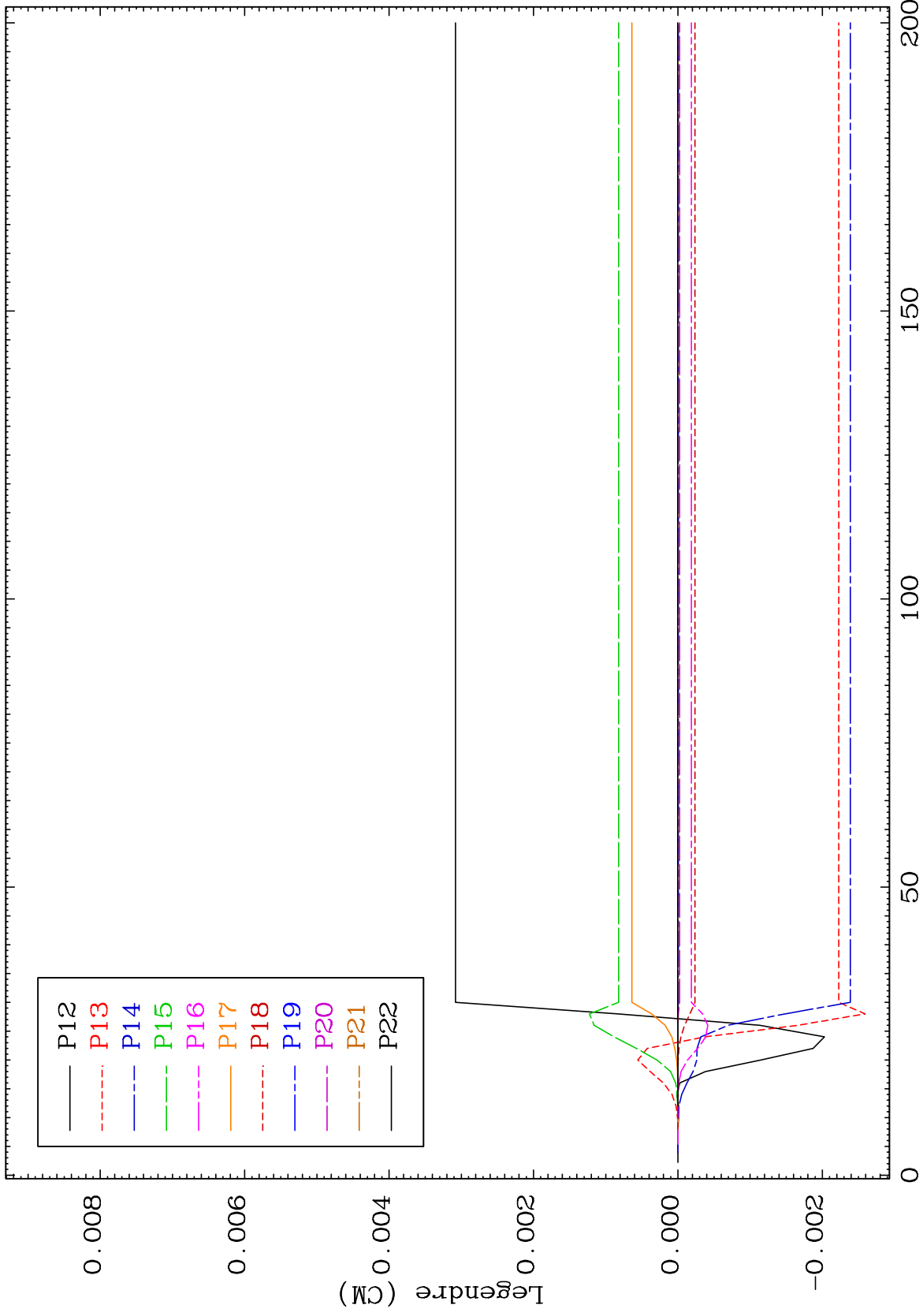


MAT 7865

472.2 keV (n,n') Level
Legendre Coefficients

79-Au-177

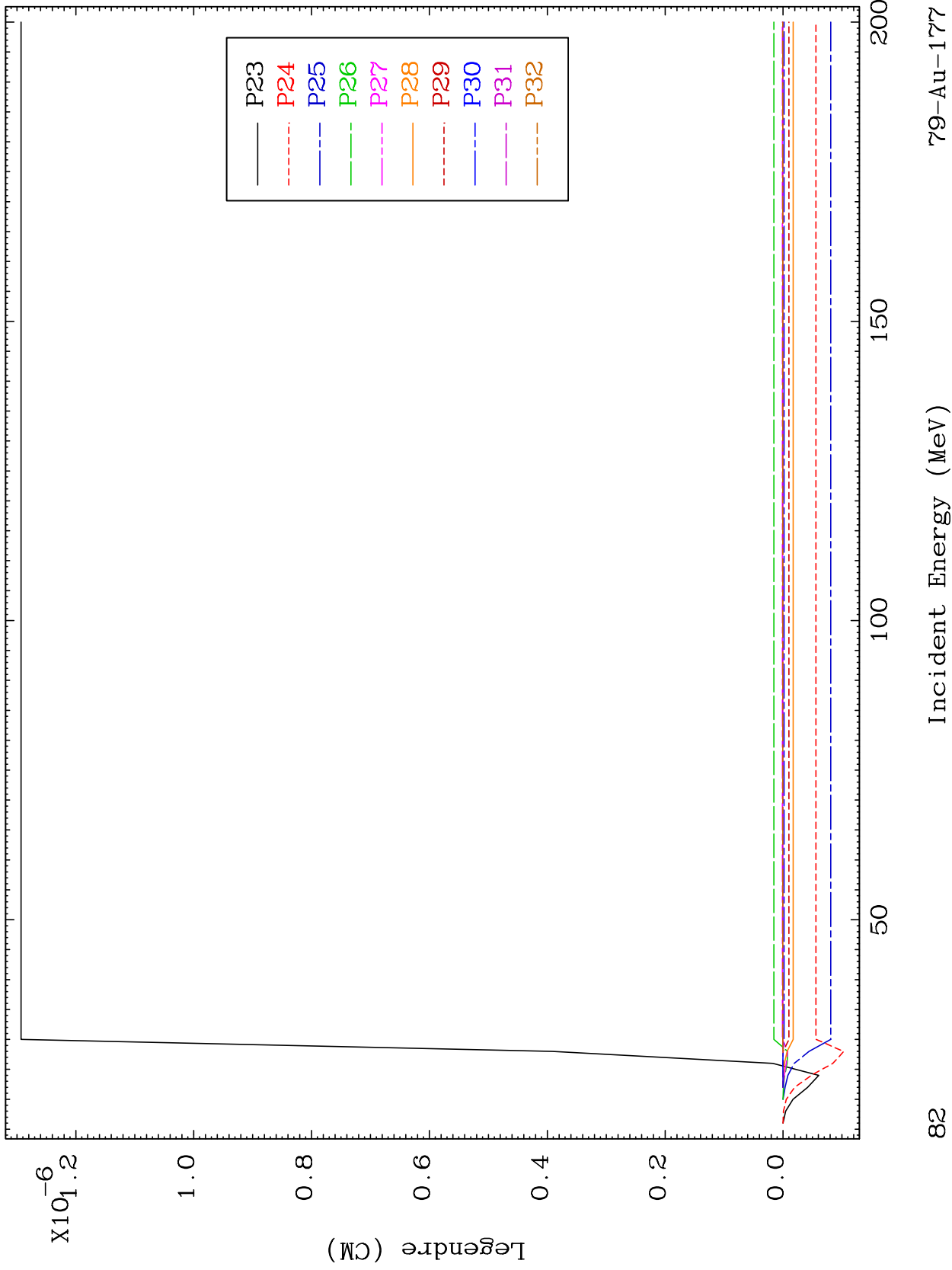




MAT 7865

472.2 keV (n,n') Level
Legendre Coefficients

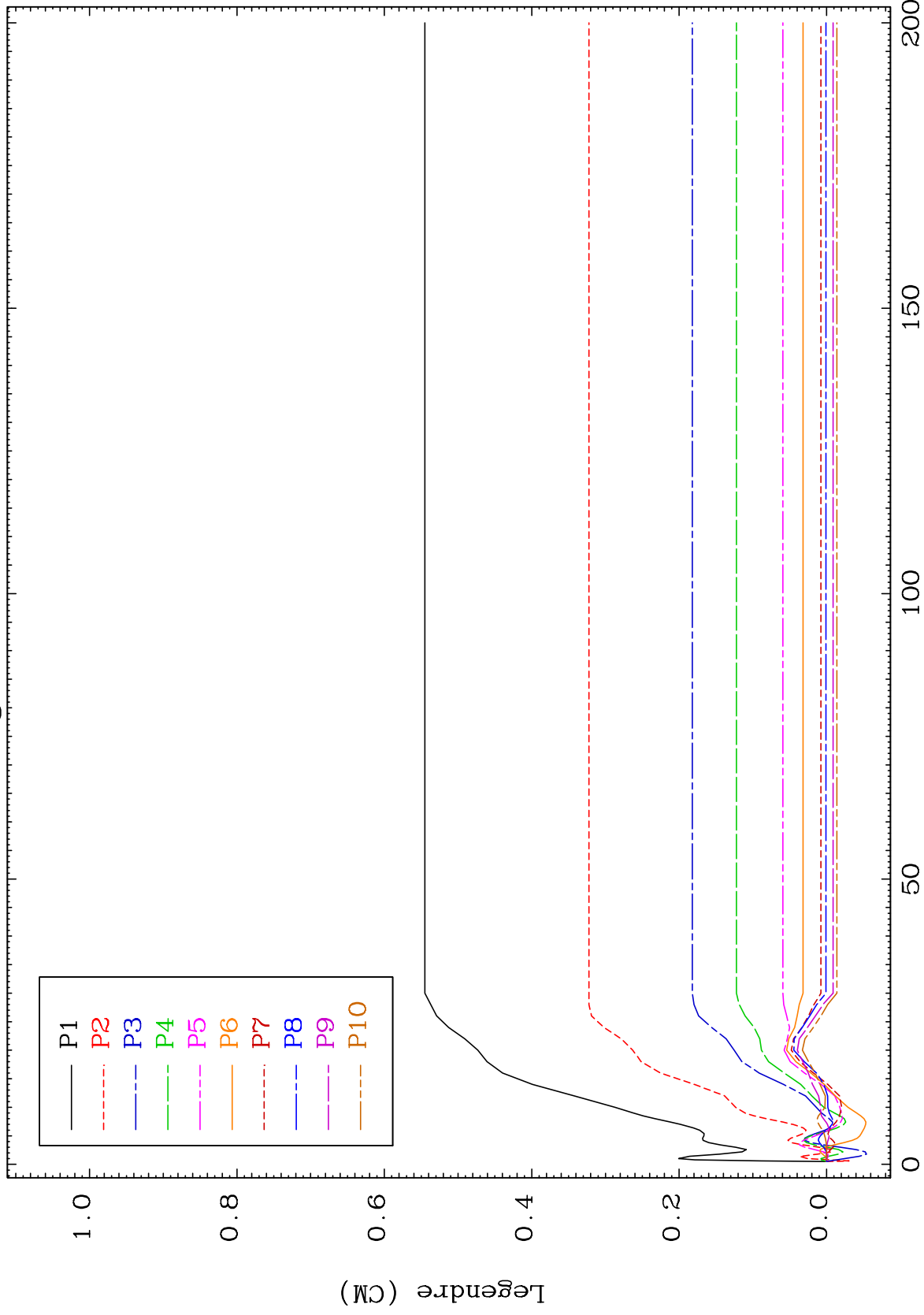
79-Au-177



82

Incident Energy (MeV)

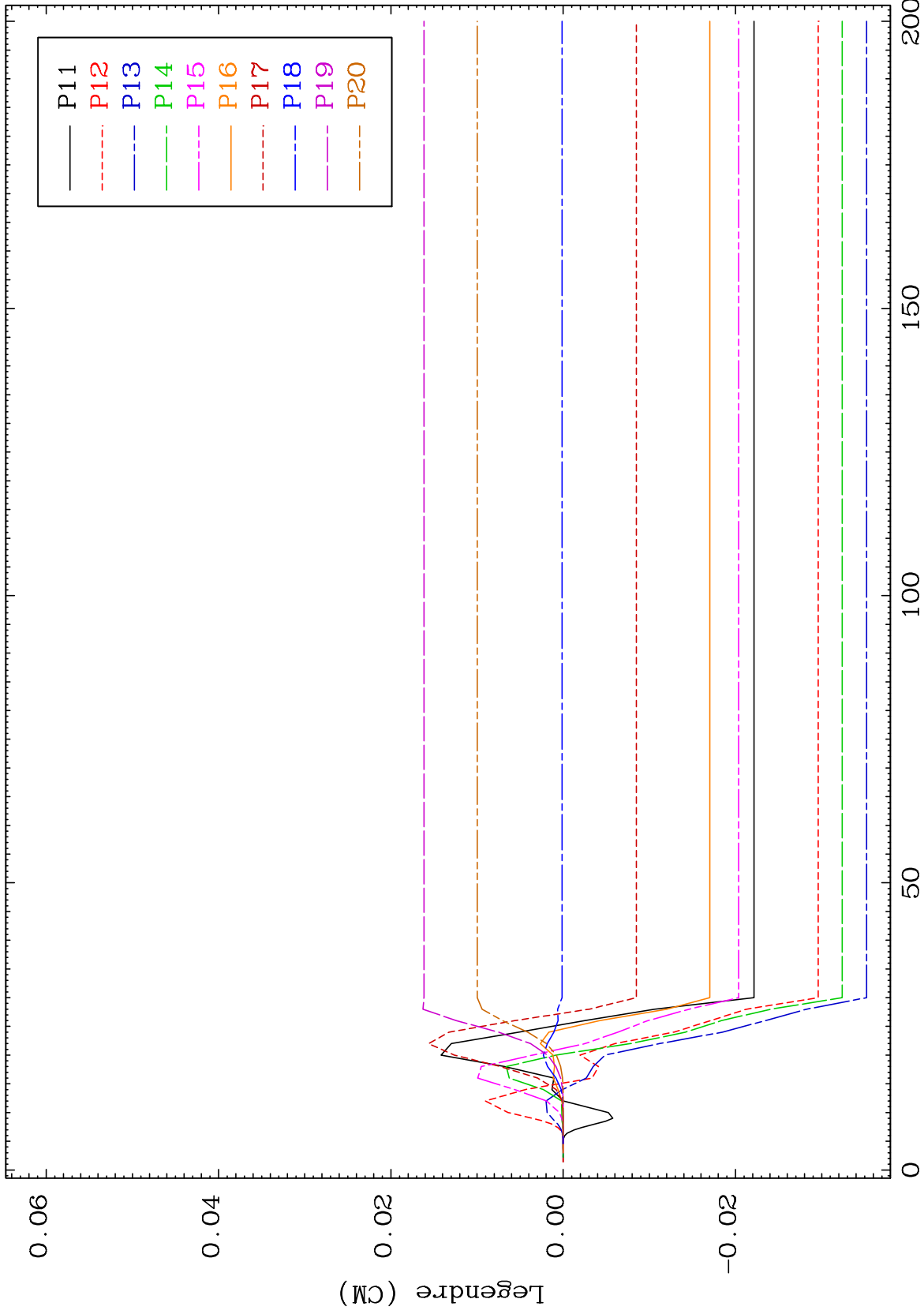
79-Au-177



MAT 7865

480.3 keV (n,n') Level
Legendre Coefficients

79-Au-177



84

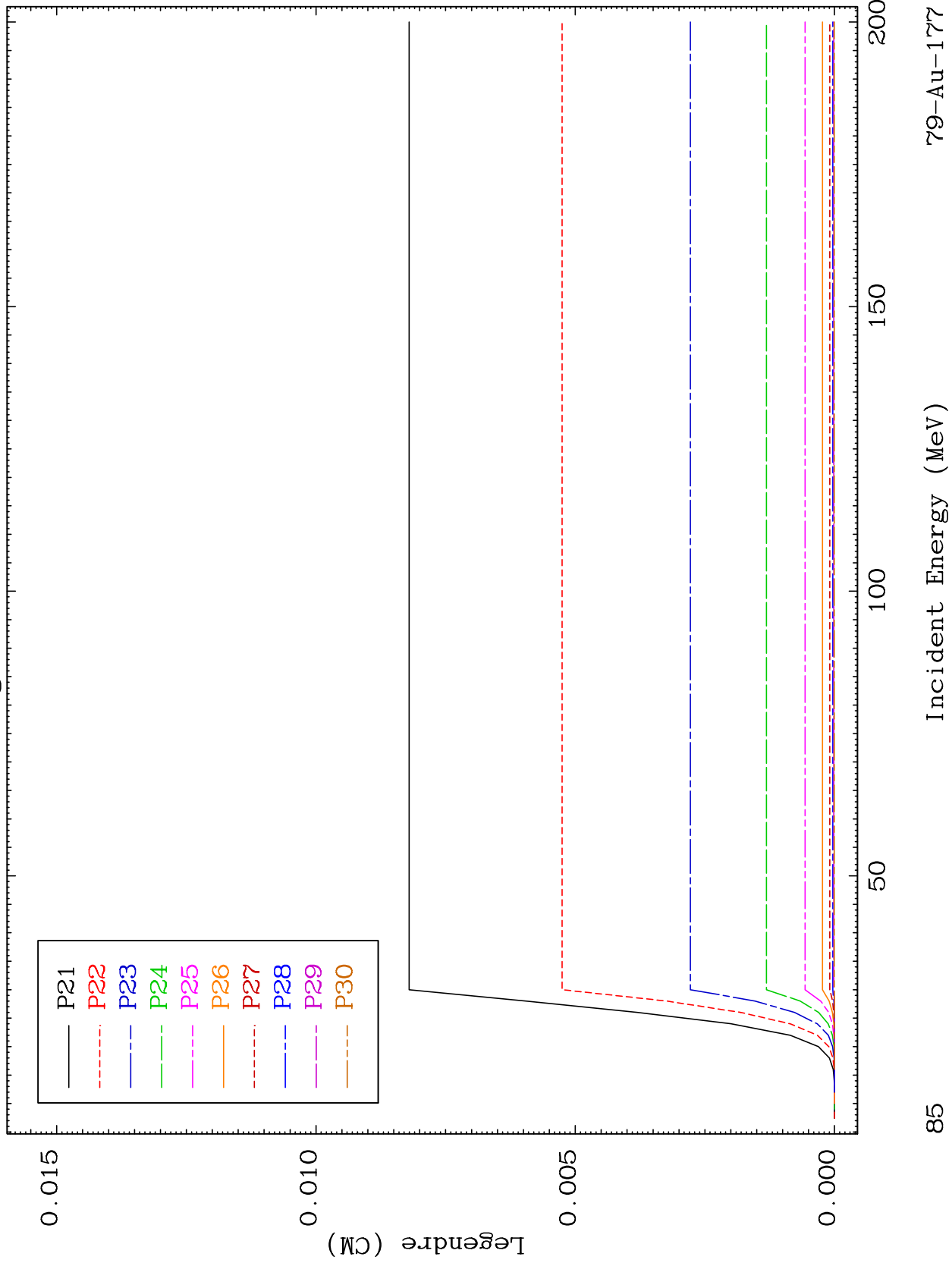
Incident Energy (MeV)

79-Au-177

MAT 7865

480.3 keV (n,n') Level
Legendre Coefficients

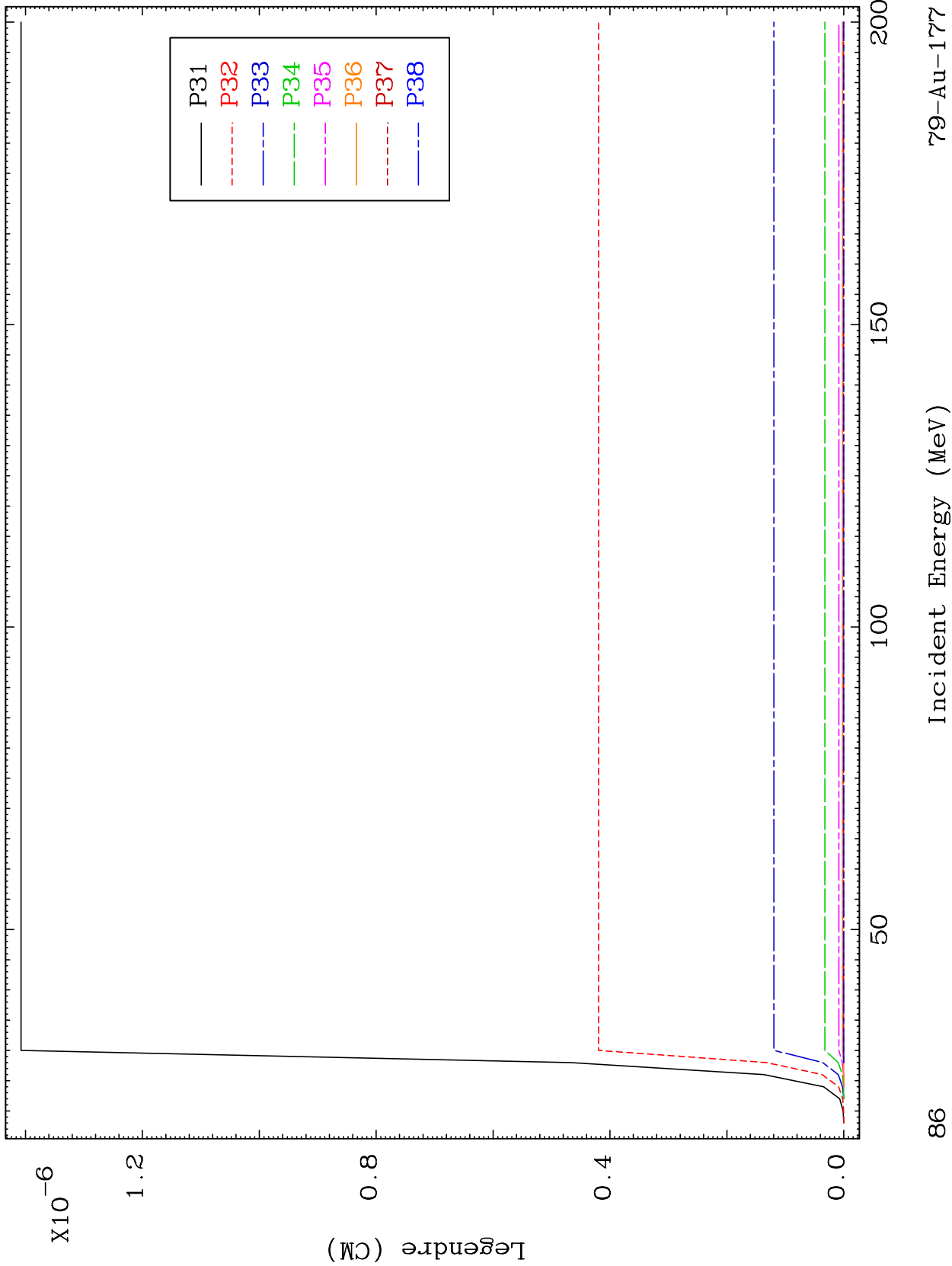
79-Au-177



85

Incident Energy (MeV)

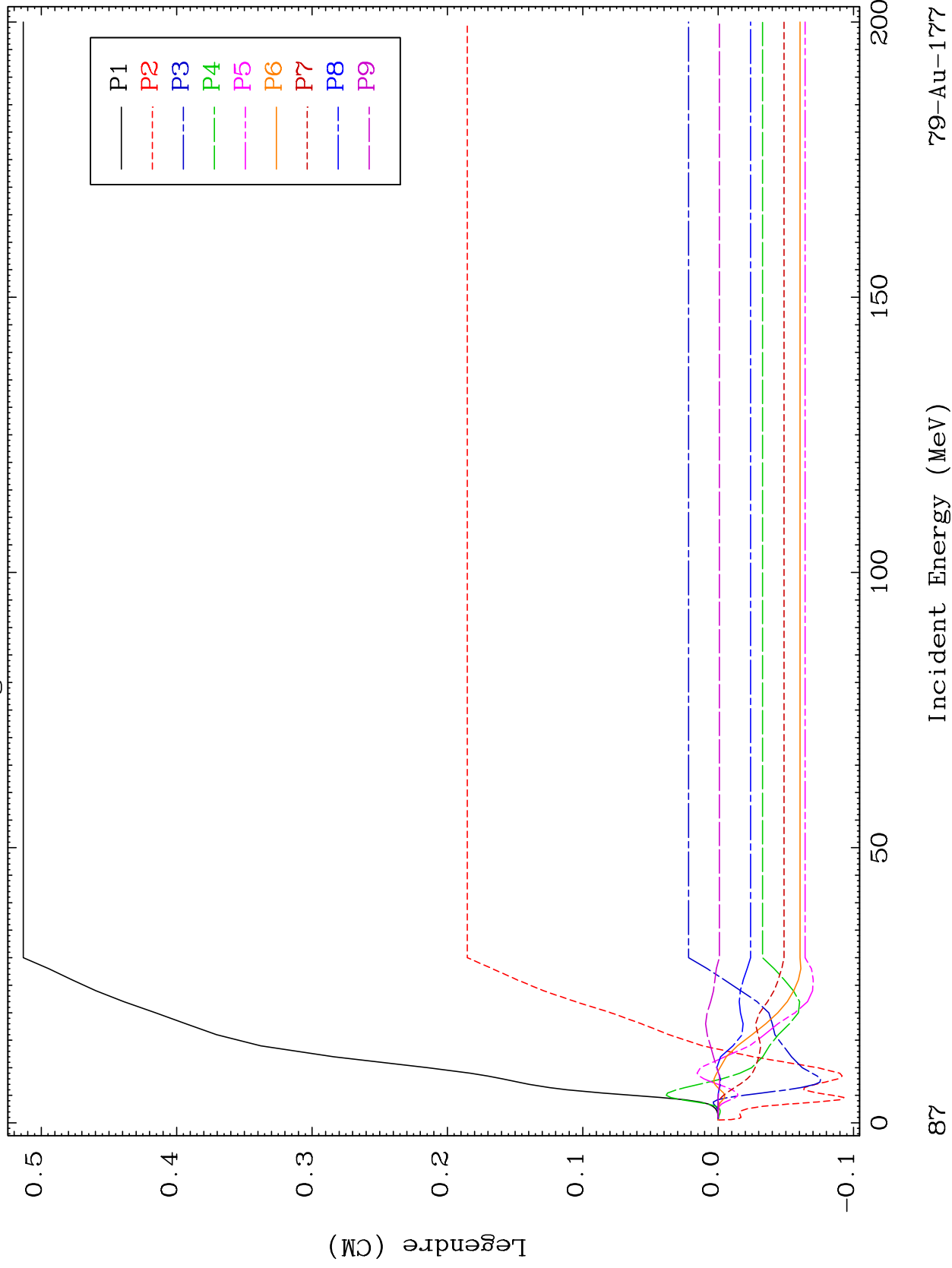
79-Au-177



MAT 7865

494.3 keV (n,n') Level
Legendre Coefficients

79-Au-177



79-Au-177

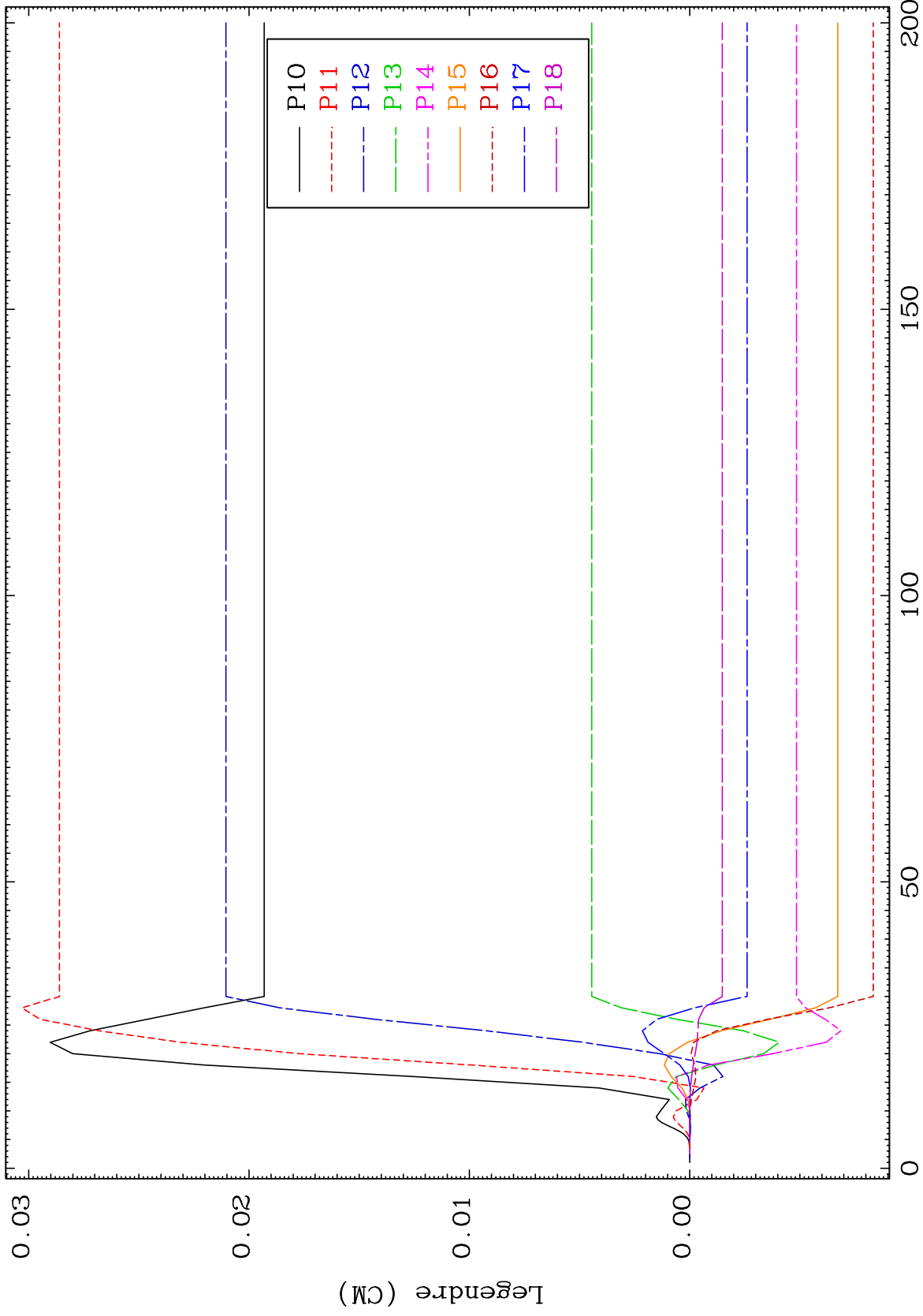
Incident Energy (MeV)

87

MAT 7865

494.3 keV (n,n') Level
Legendre Coefficients

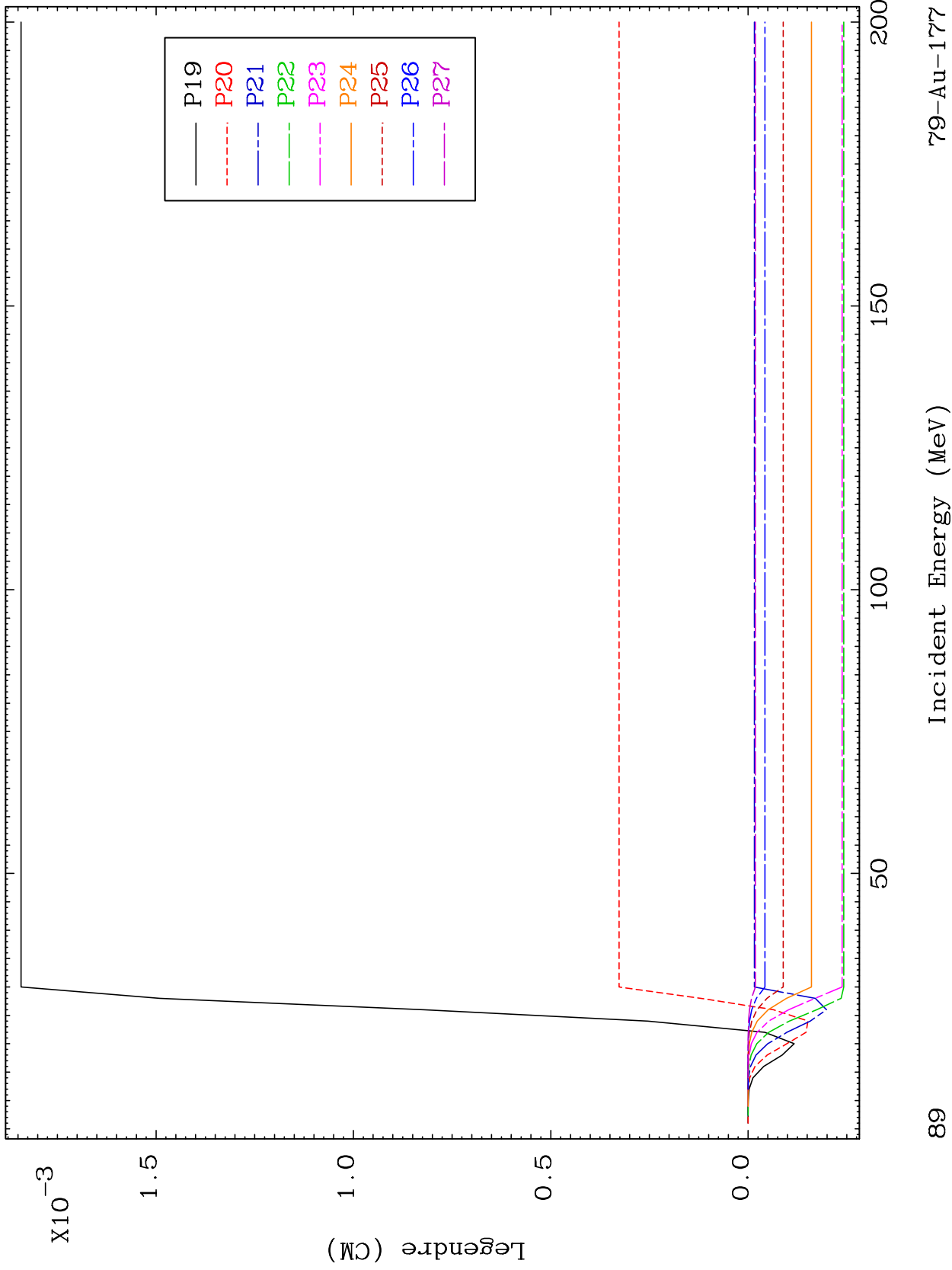
79-Au-177

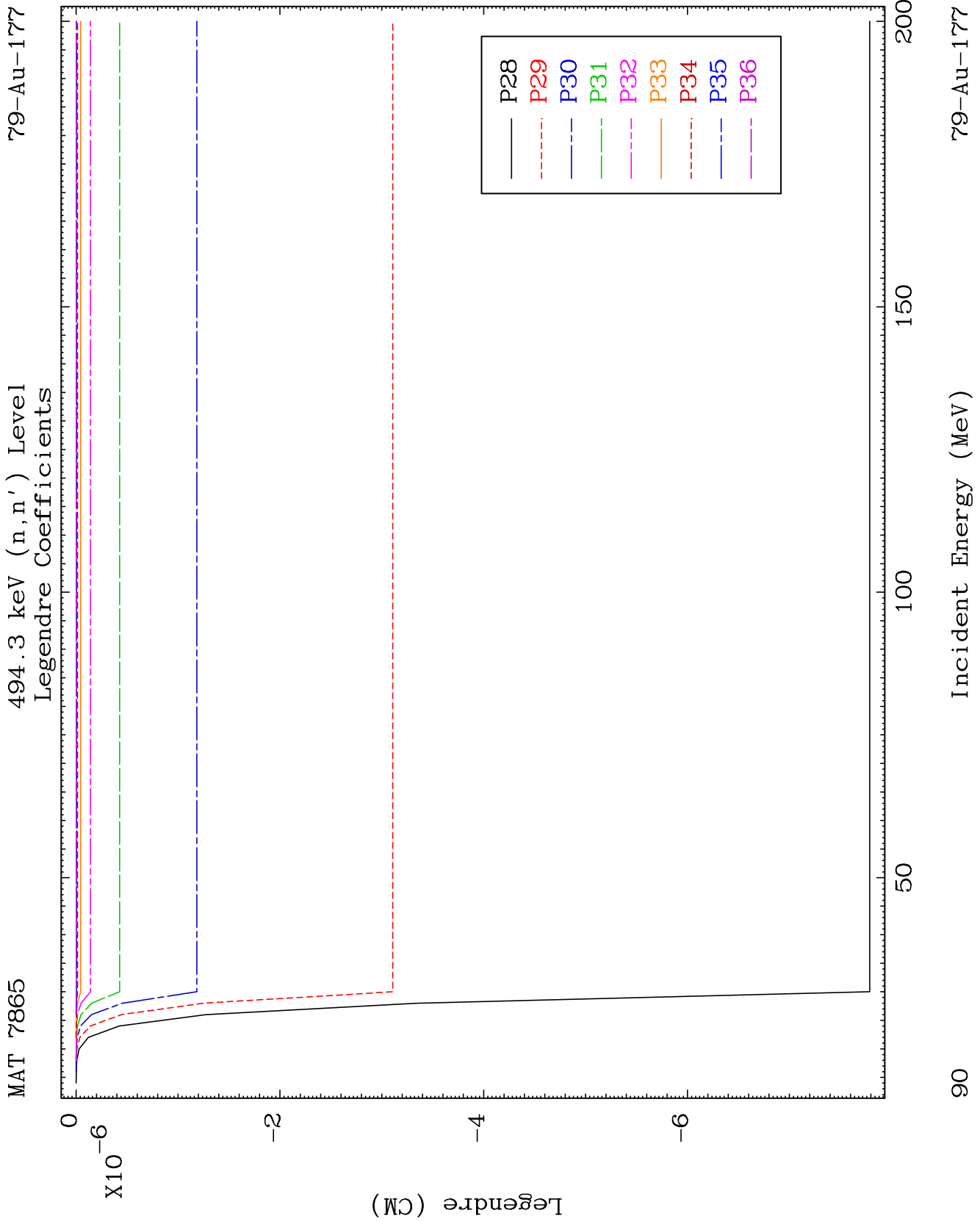


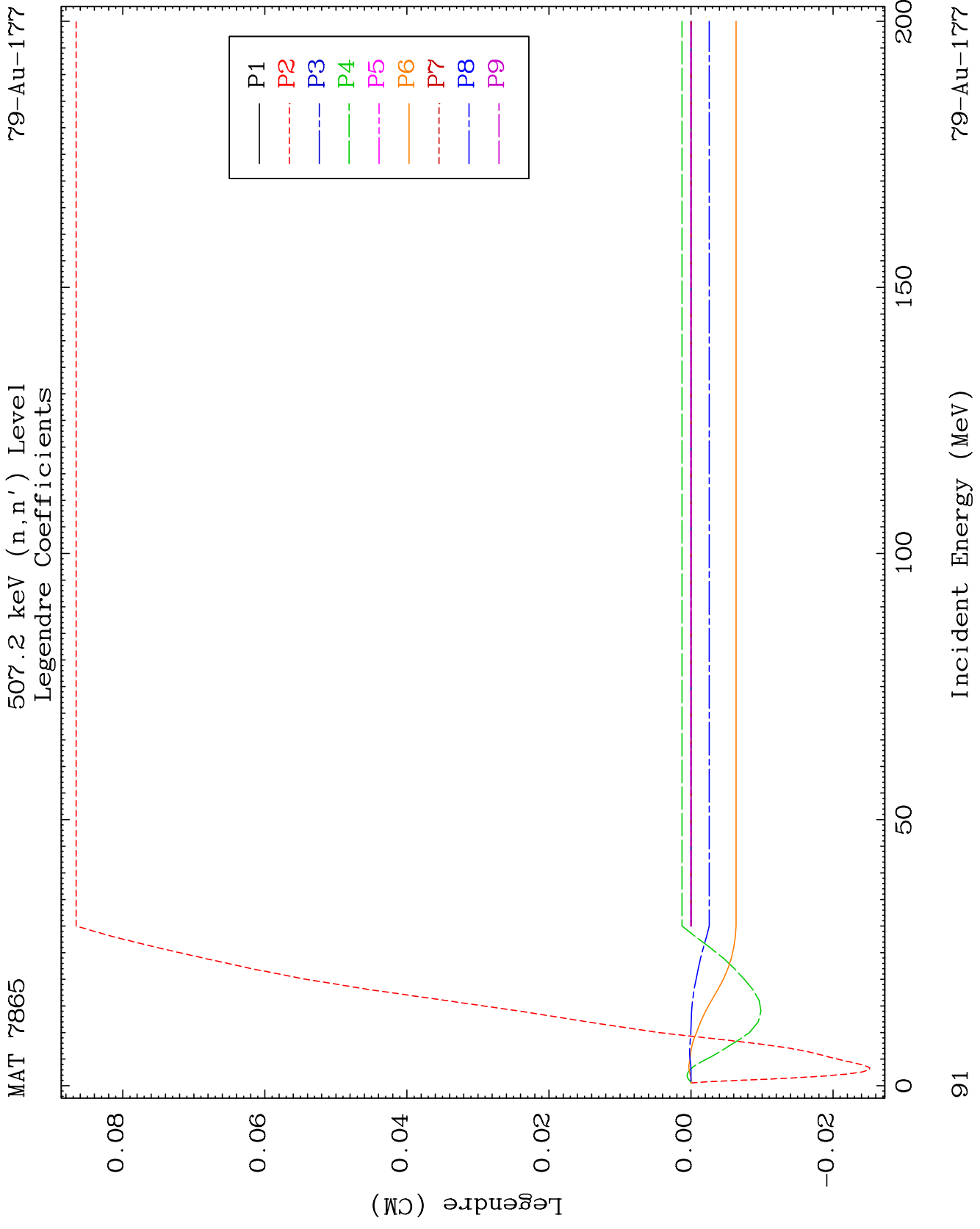
88

Incident Energy (MeV)

79-Au-177



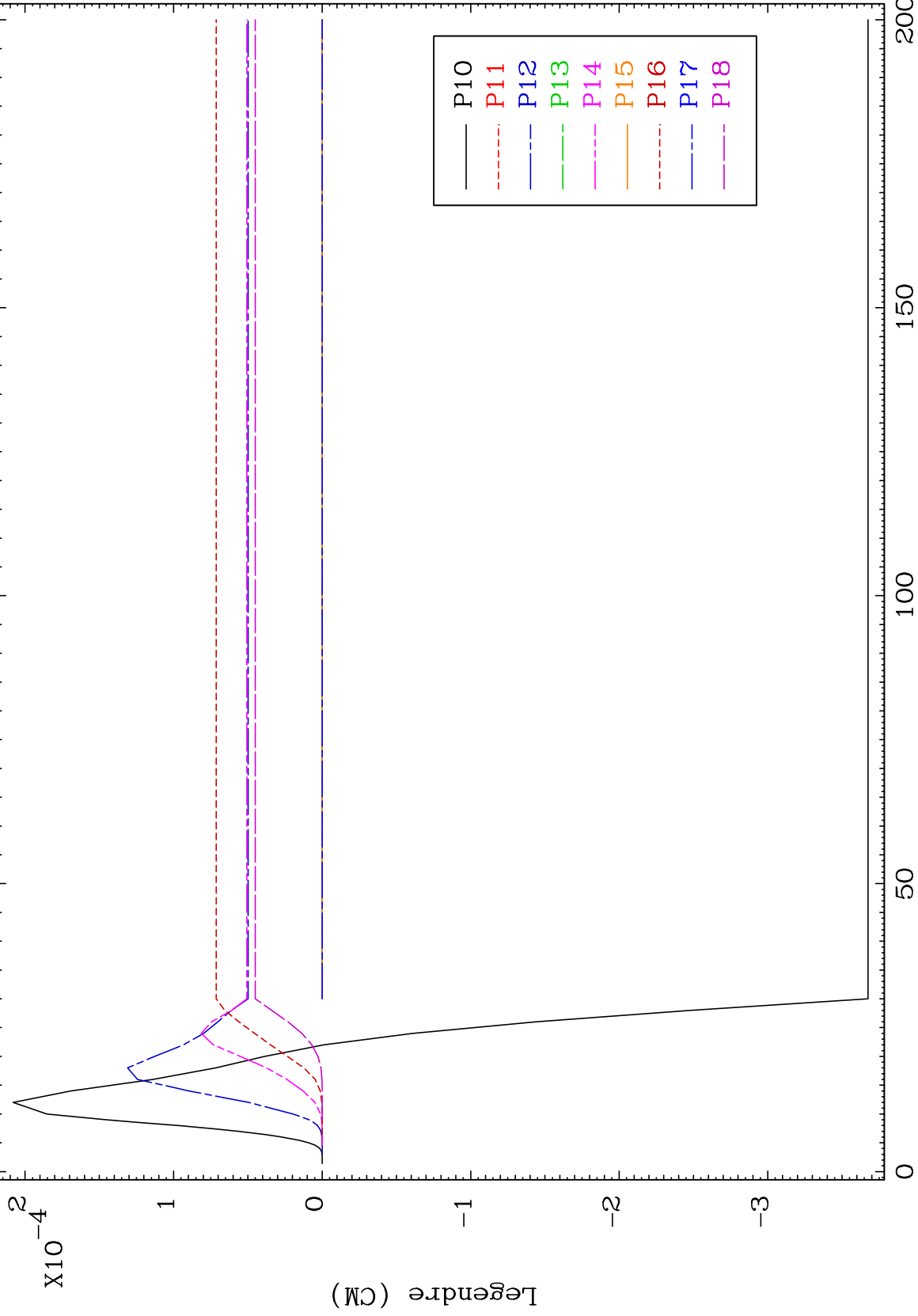




MAT 7865

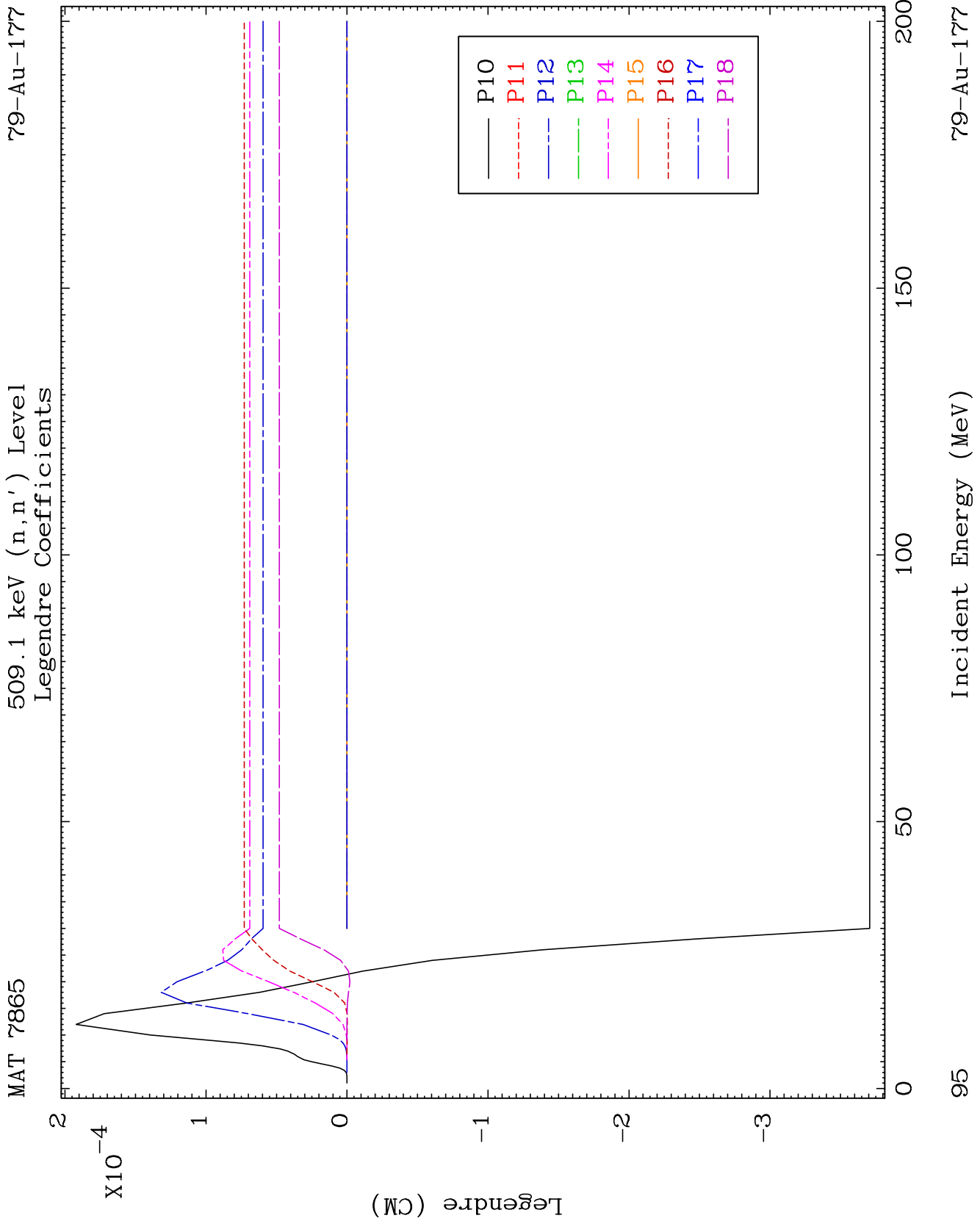
507.2 keV (n,n') Level
Legendre Coefficients

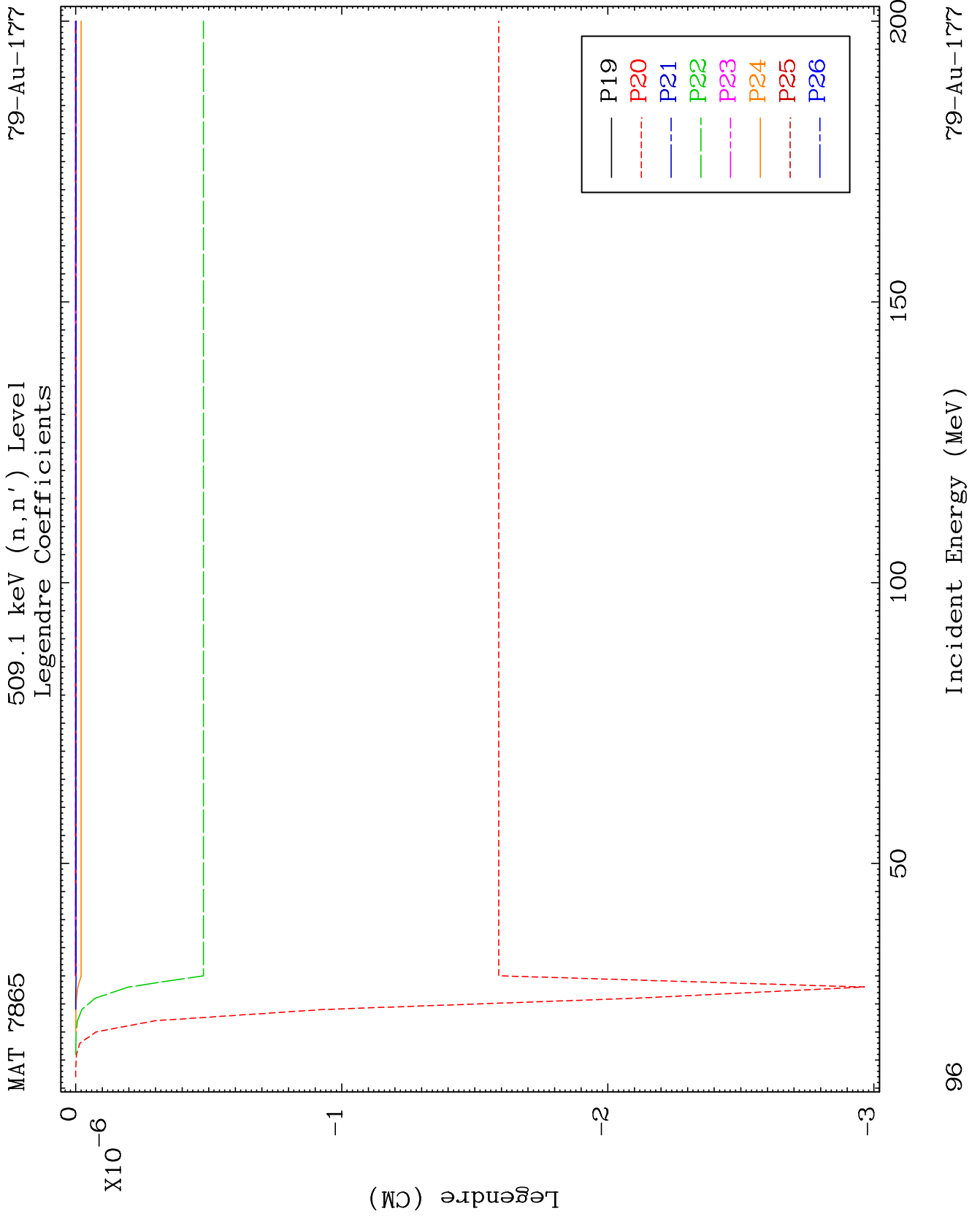
79-Au-177



92

79-Au-177

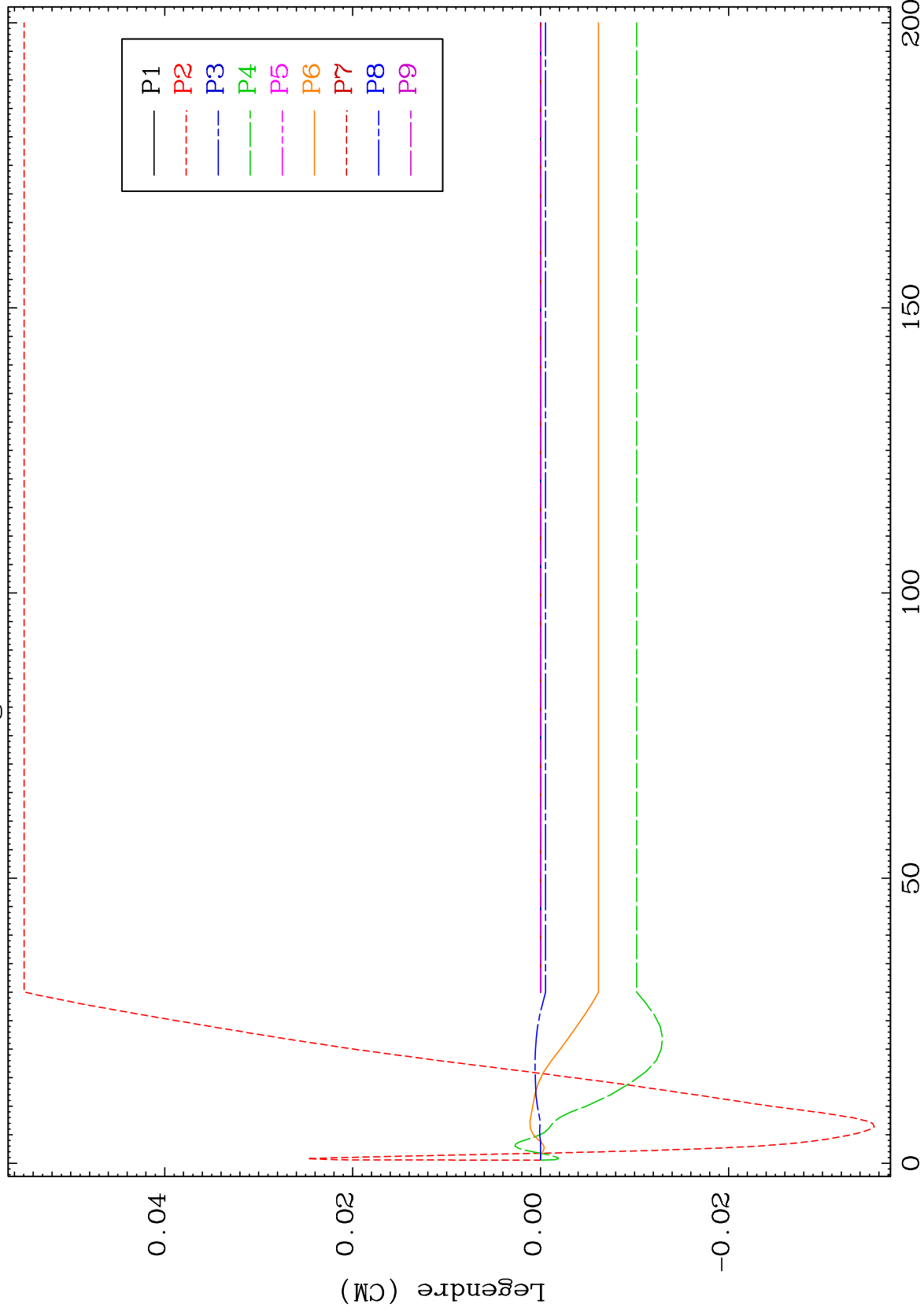




MAT 7865

526.4 keV (n,n') Level
Legendre Coefficients

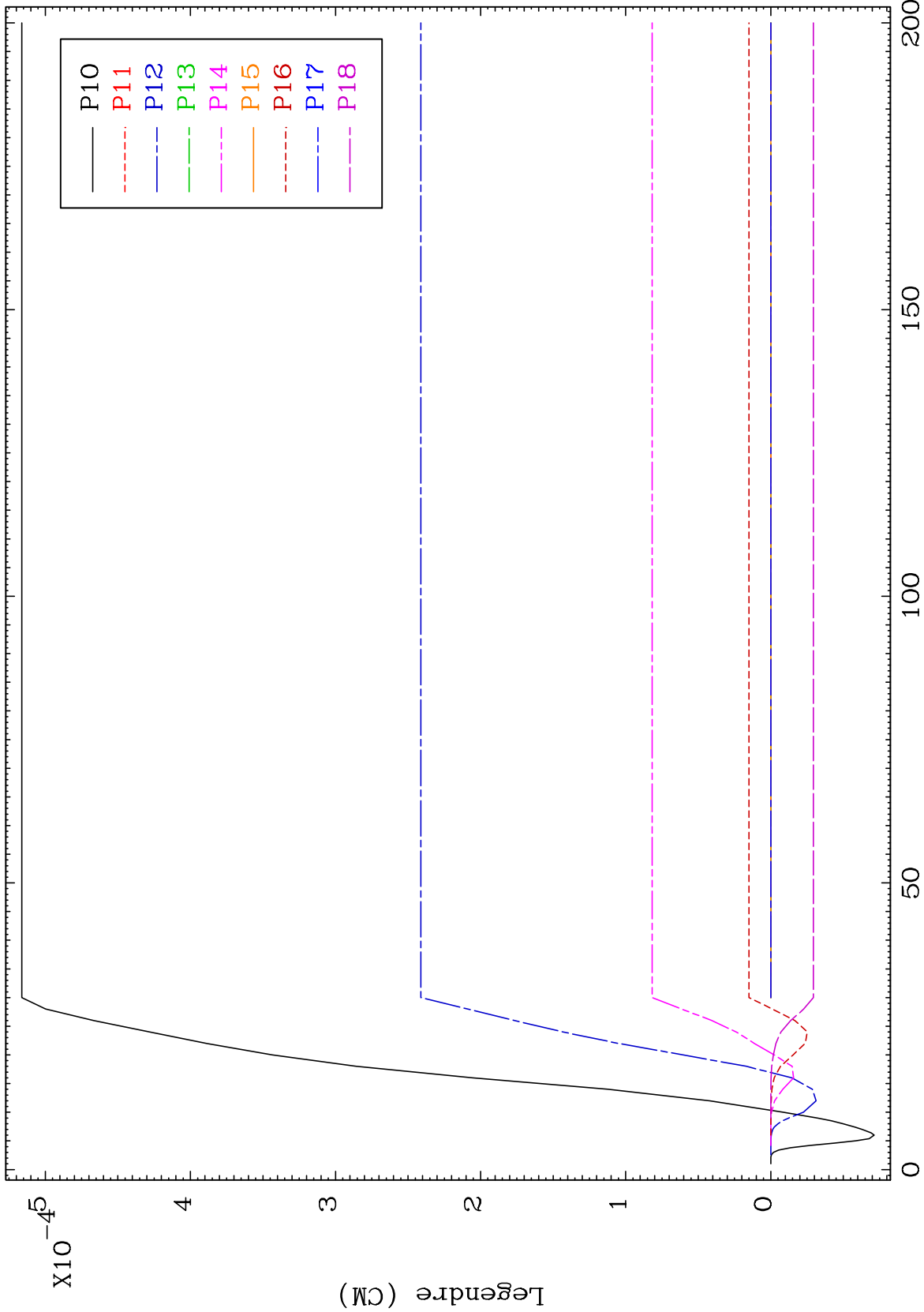
79-Au-177

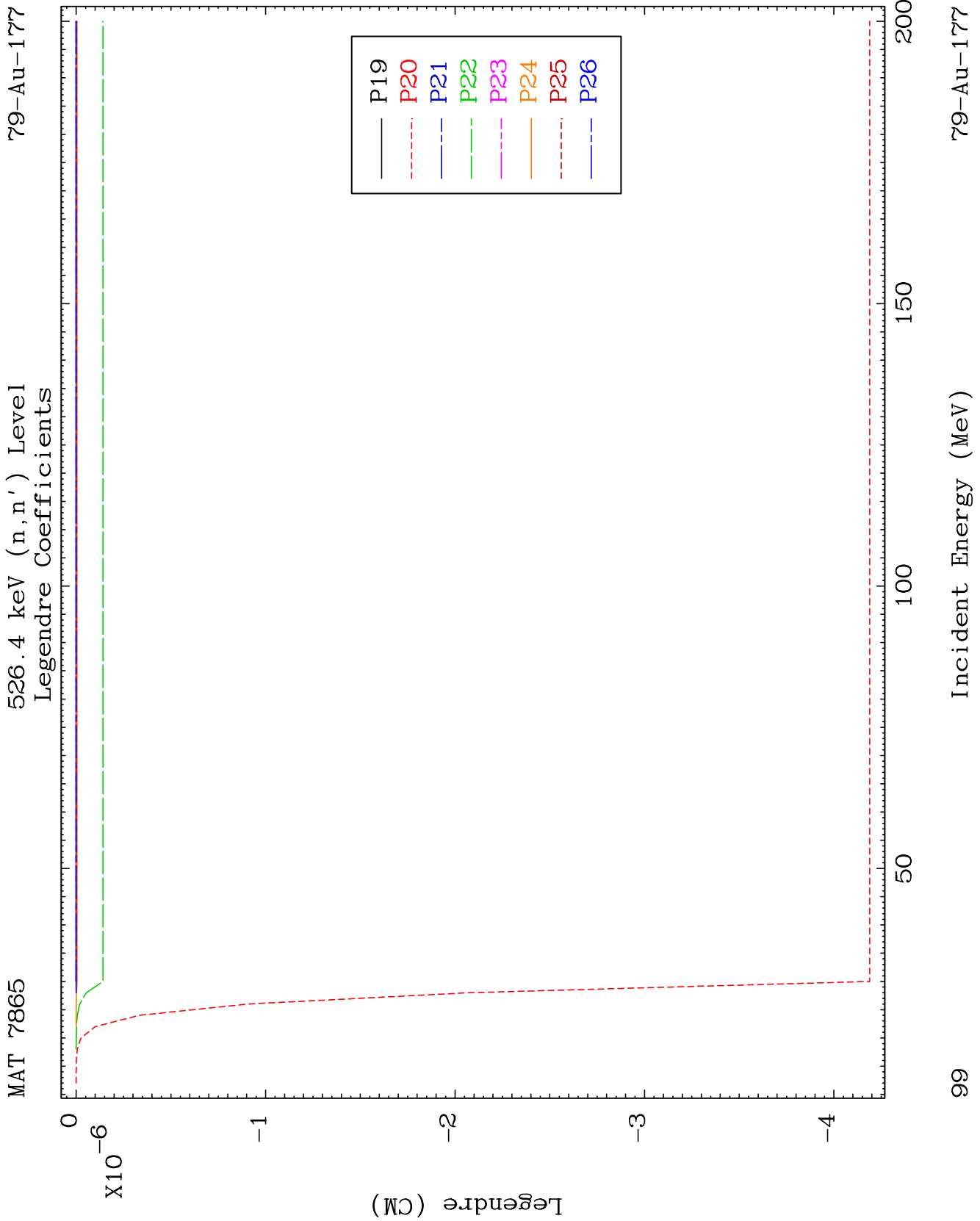


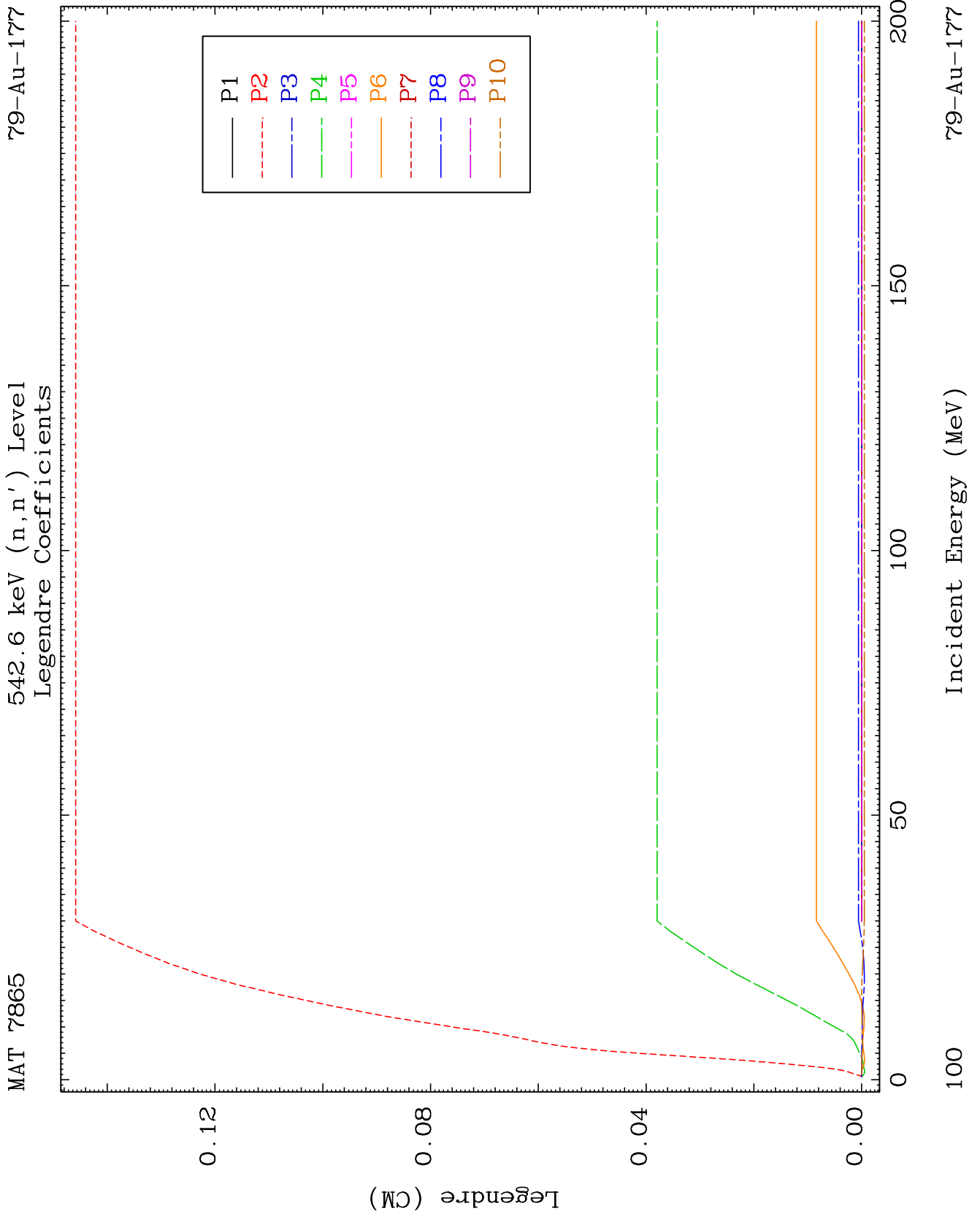
97

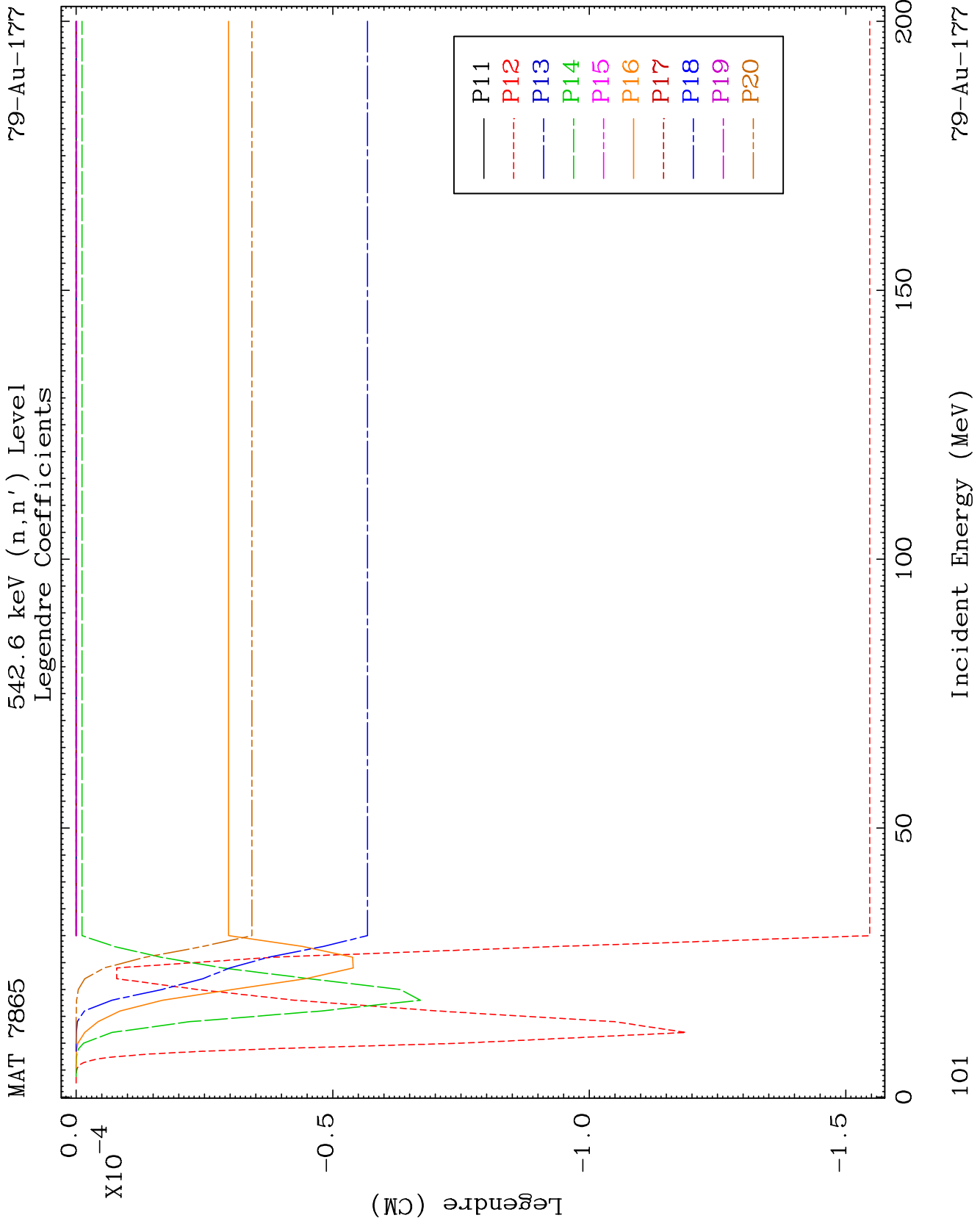
Incident Energy (MeV)

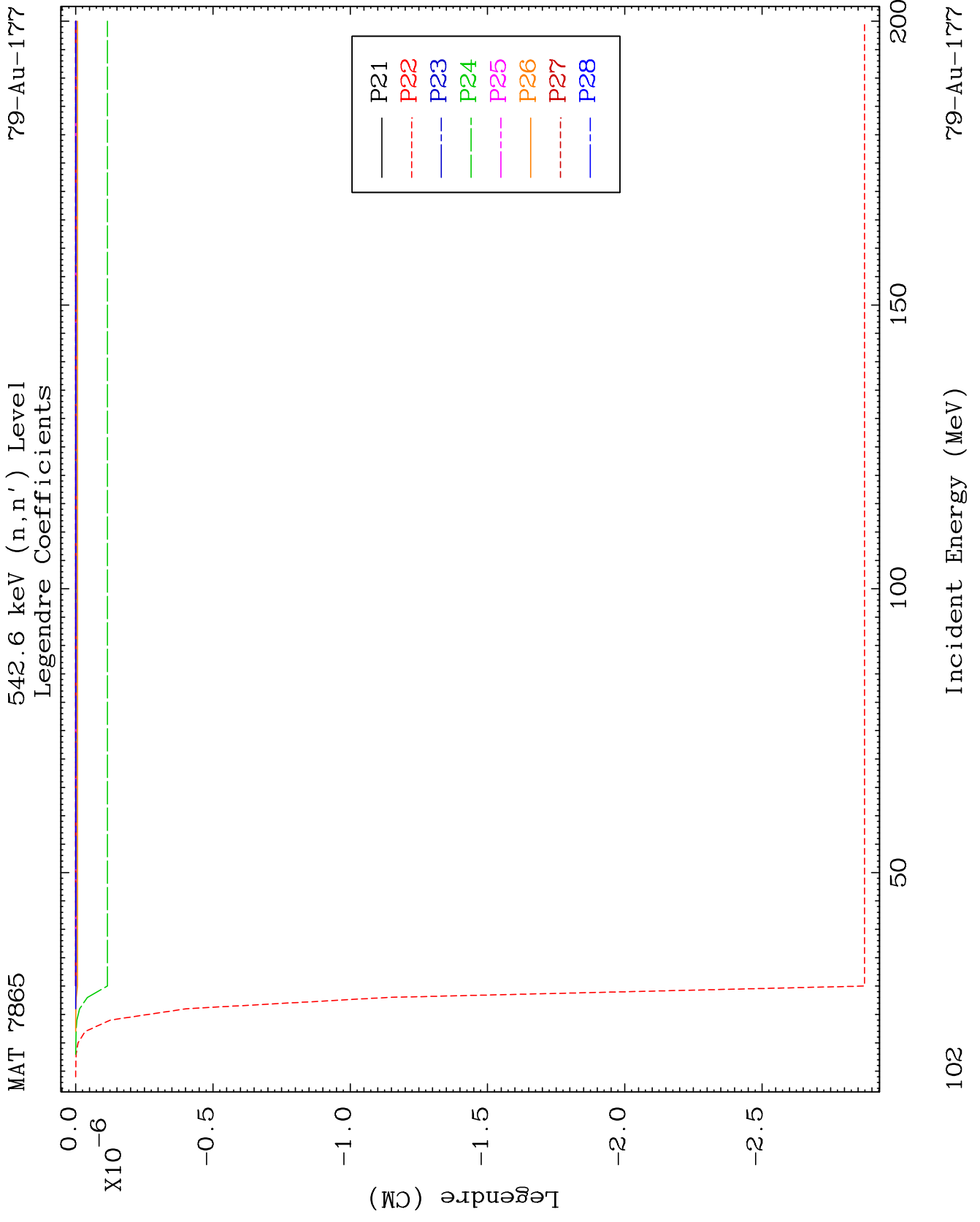
79-Au-177

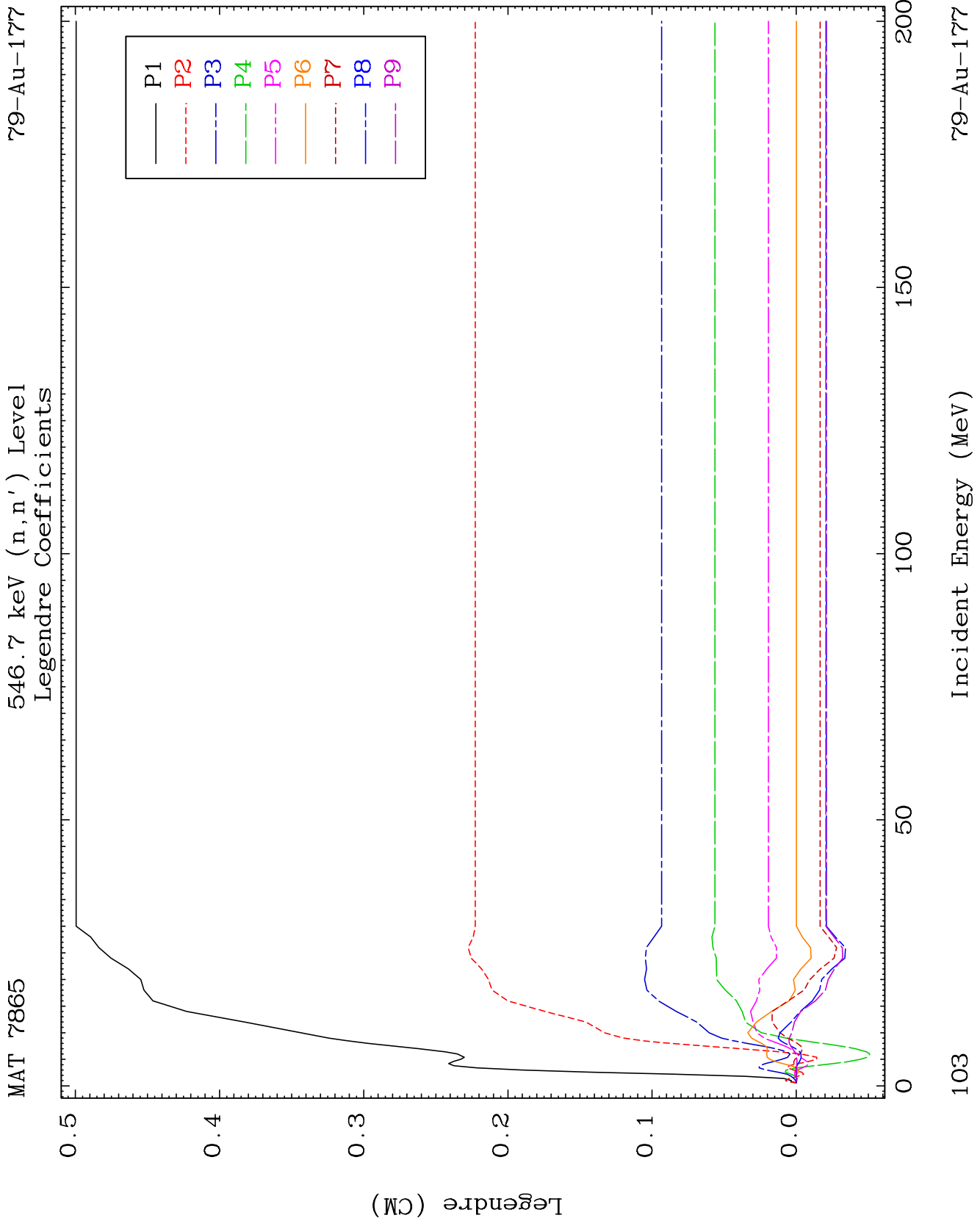








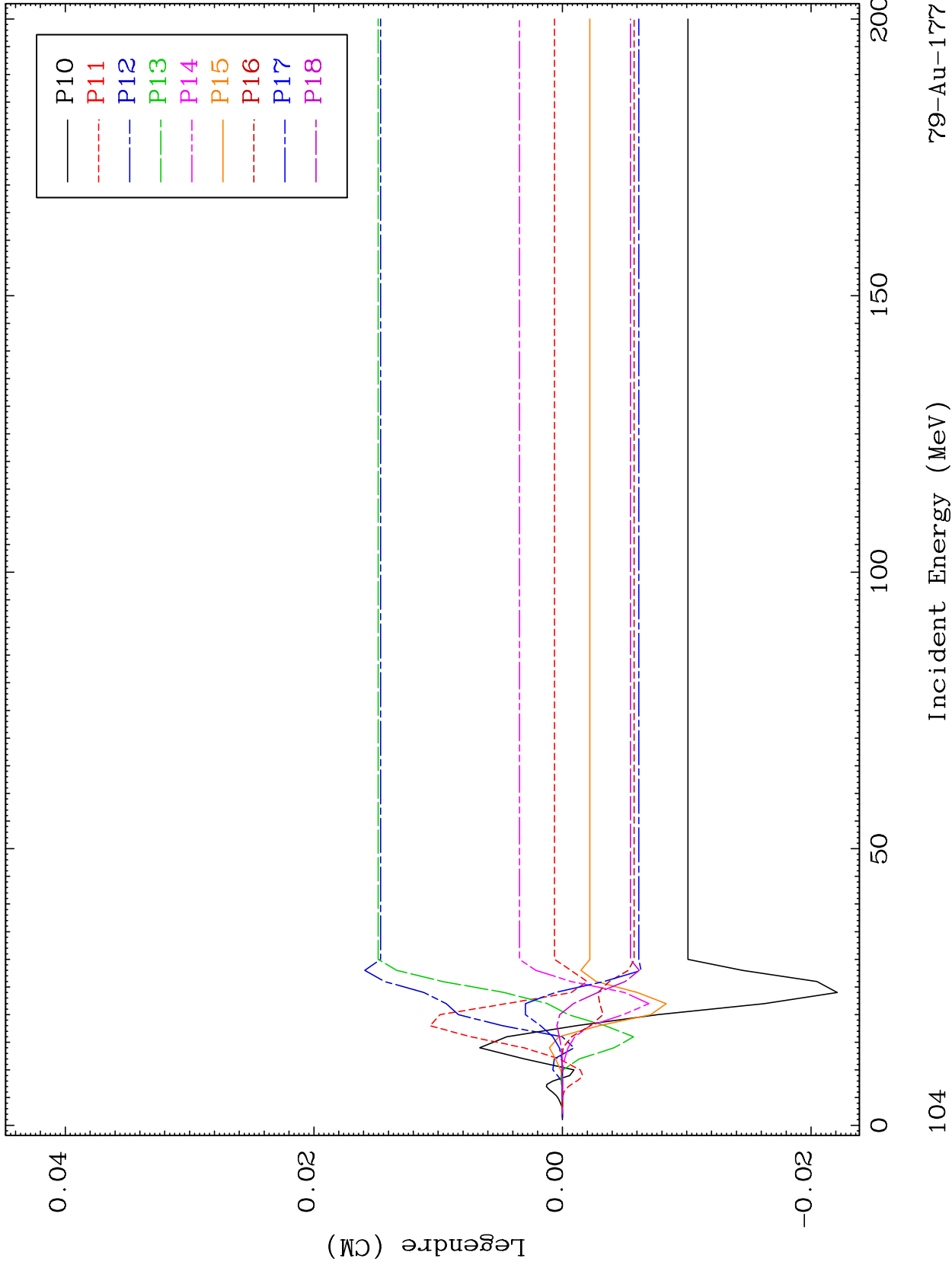




MAT 7865

546.7 keV (n,n') Level
Legendre Coefficients

79-Au-177



104

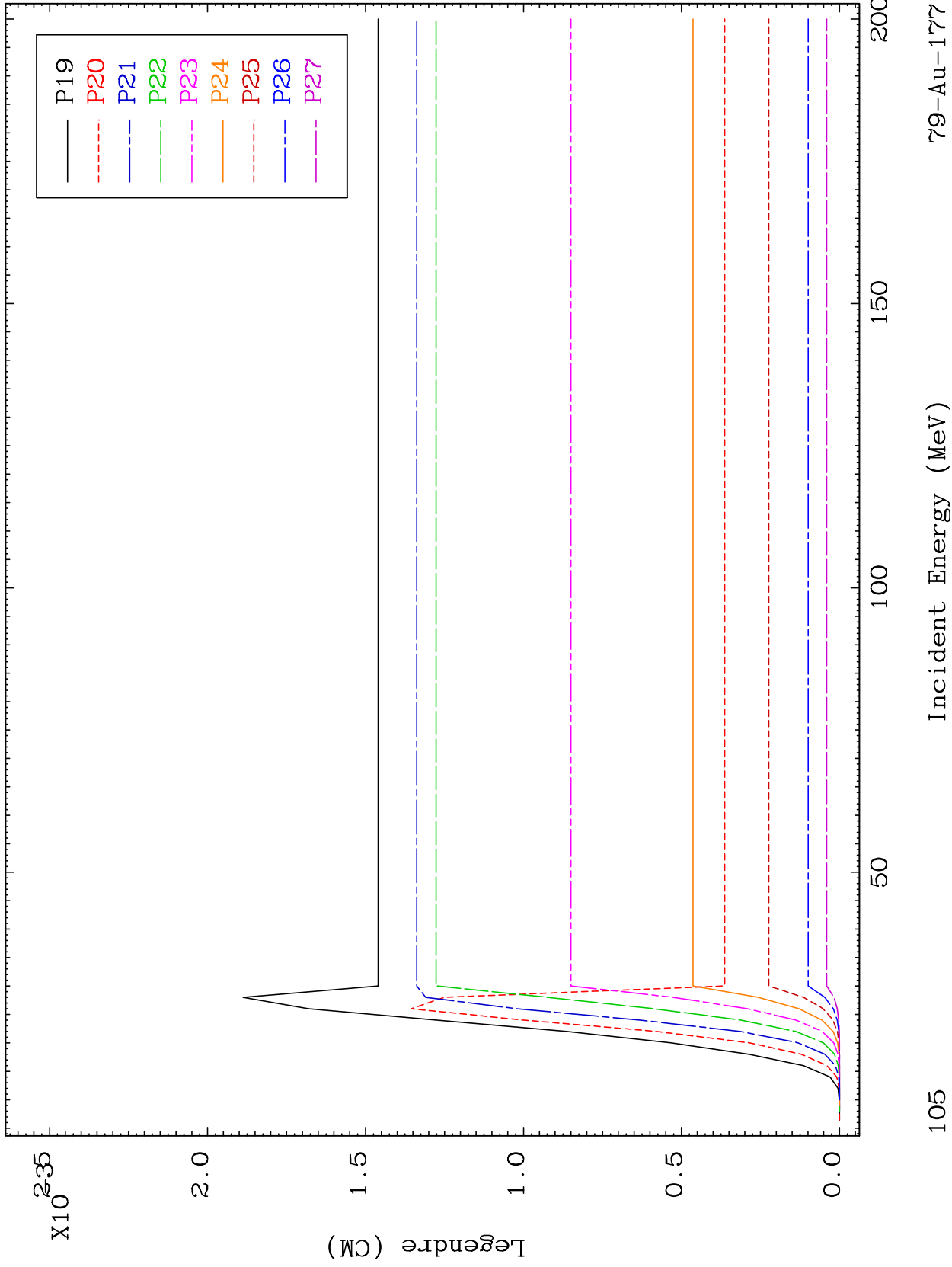
Incident Energy (MeV)

79-Au-177

MAT 7865

546.7 keV (n,n') Level
Legendre Coefficients

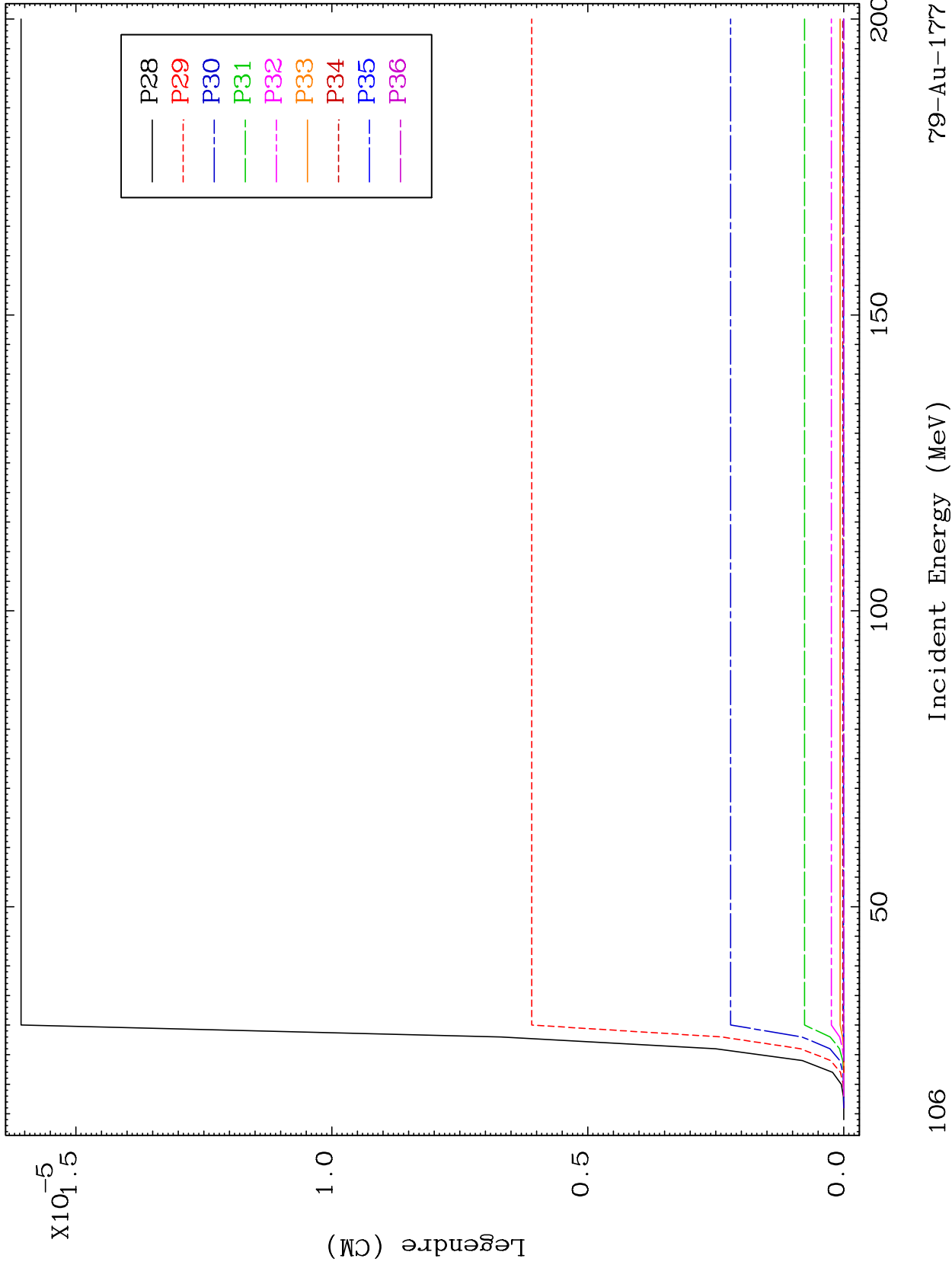
79-Au-177



MAT 7865

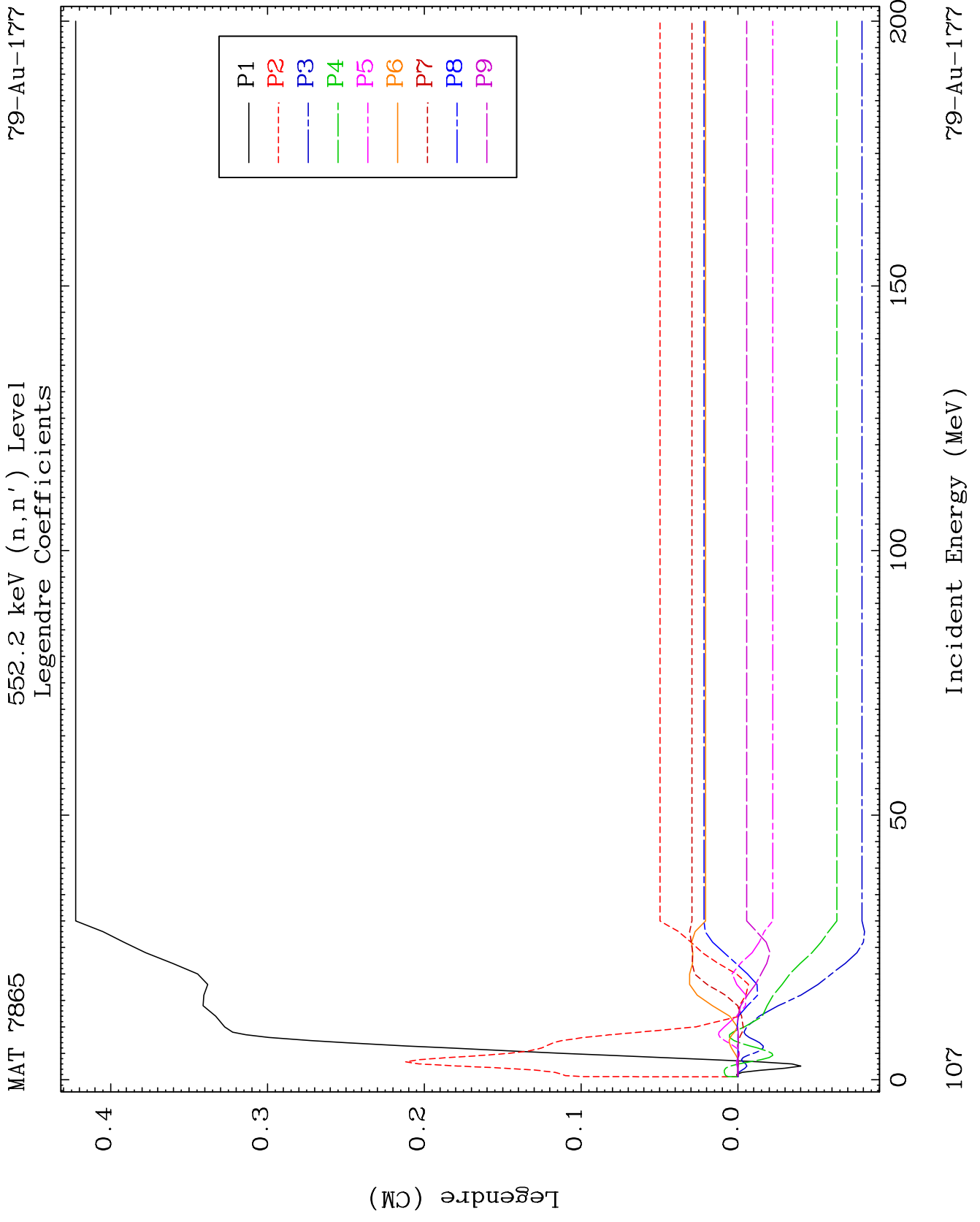
546.7 keV (n, n') Level
Legendre Coefficients

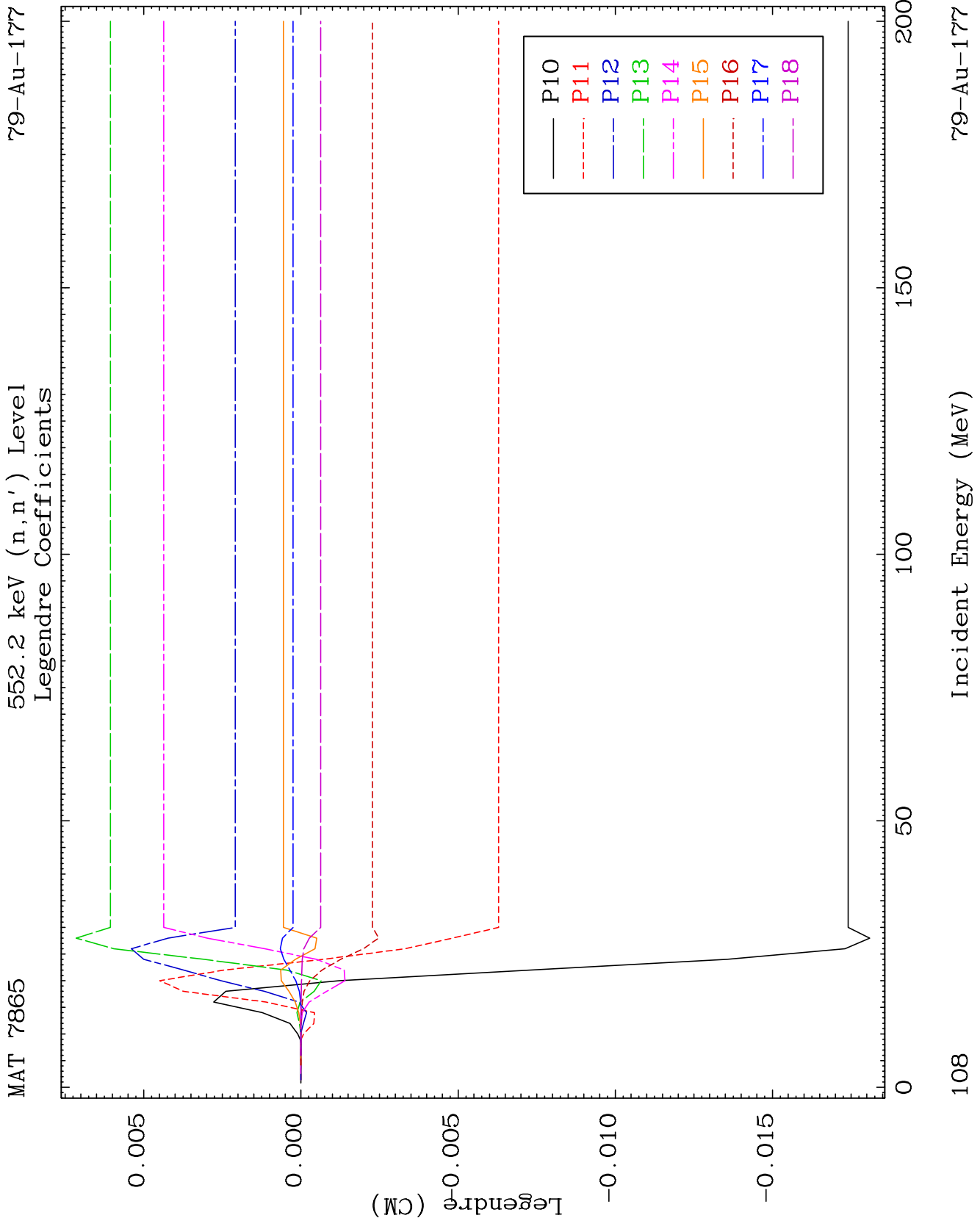
79-Au-177



106

79-Au-177

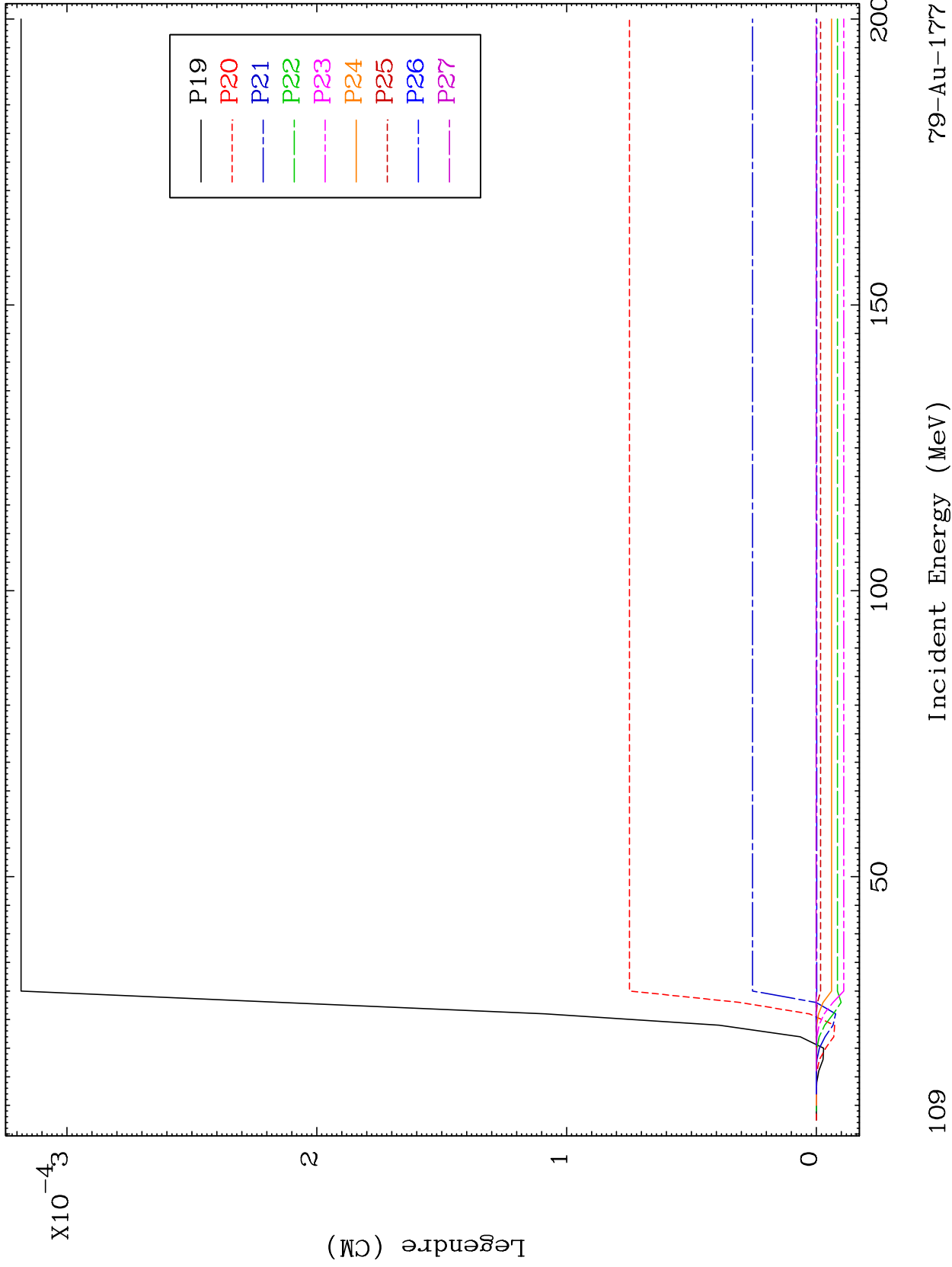




MAT 7865

552.2 keV (n,n') Level
Legendre Coefficients

79-Au-177



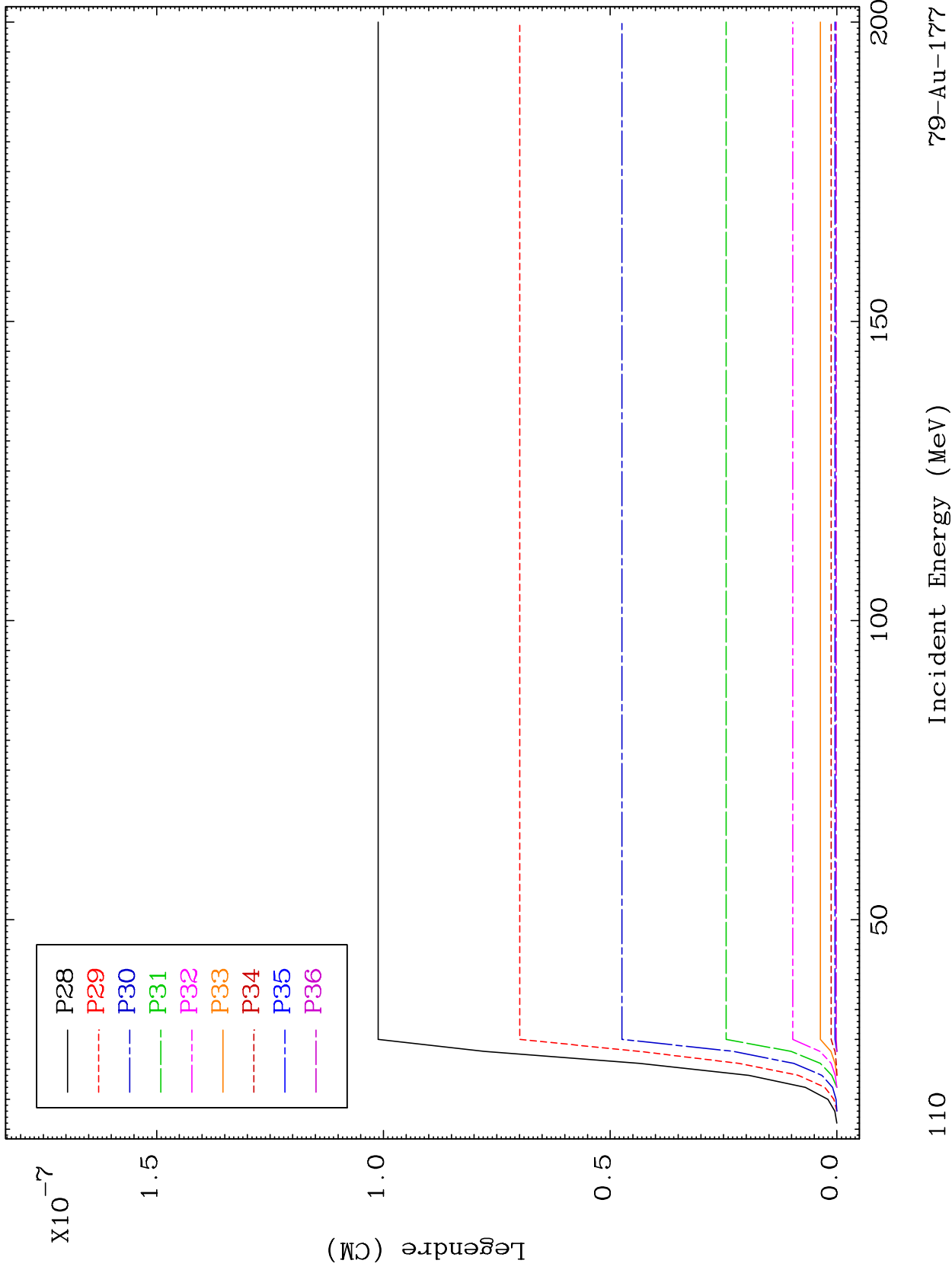
109

79-Au-177

MAT 7865

552.2 keV (n,n') Level
Legendre Coefficients

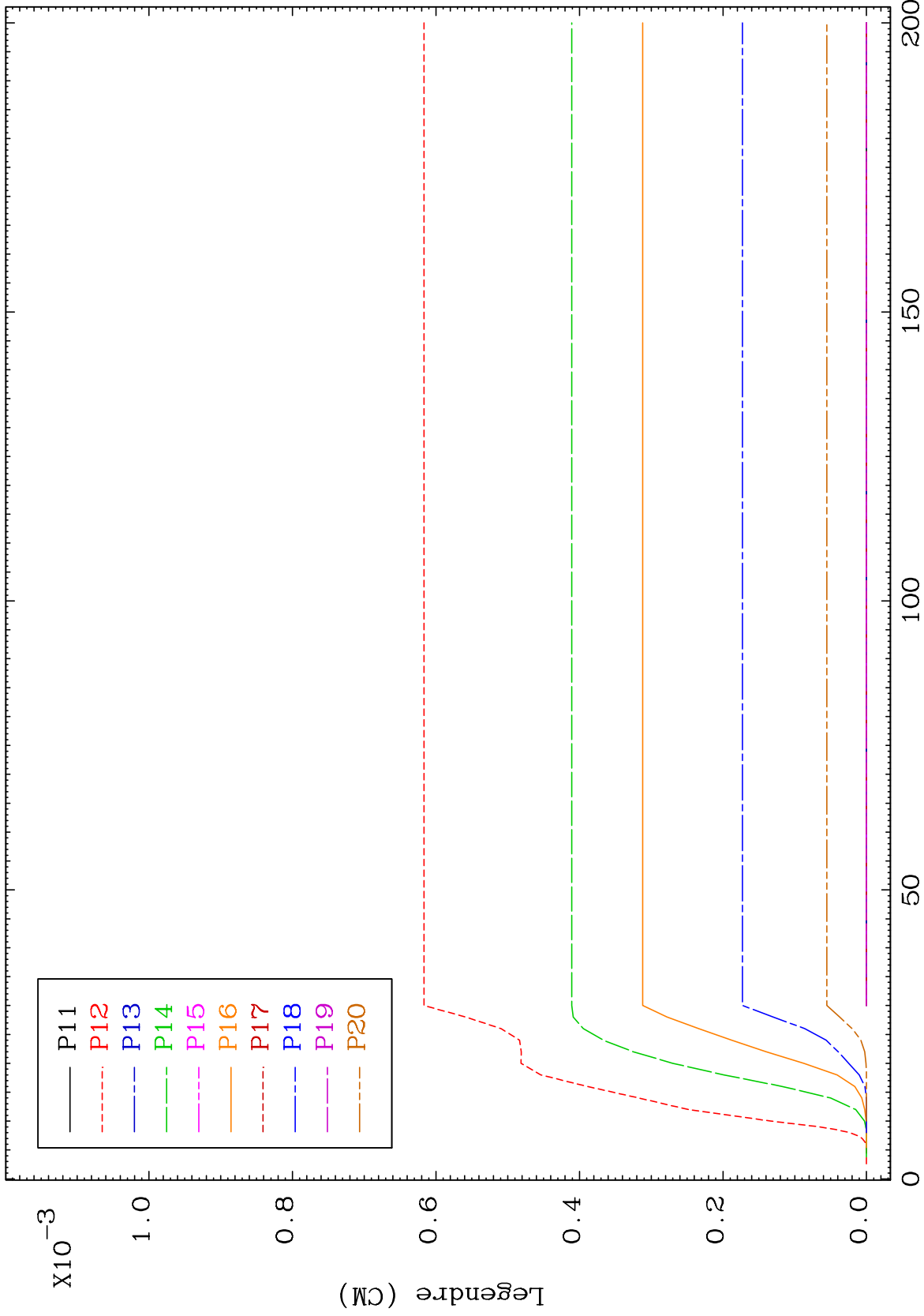
79-Au-177



MAT 7865

559.1 keV (n,n') Level
Legendre Coefficients

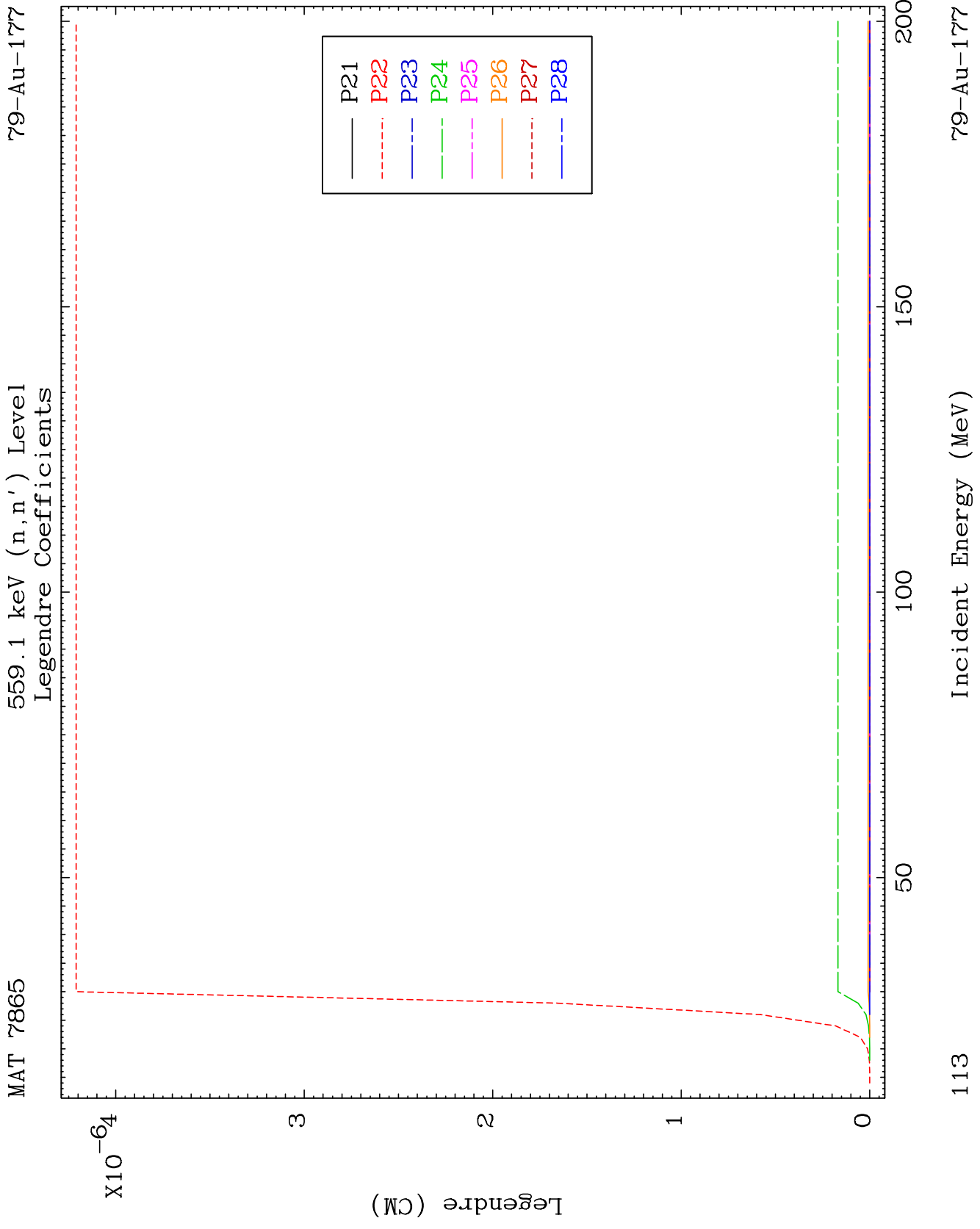
79-Au-177

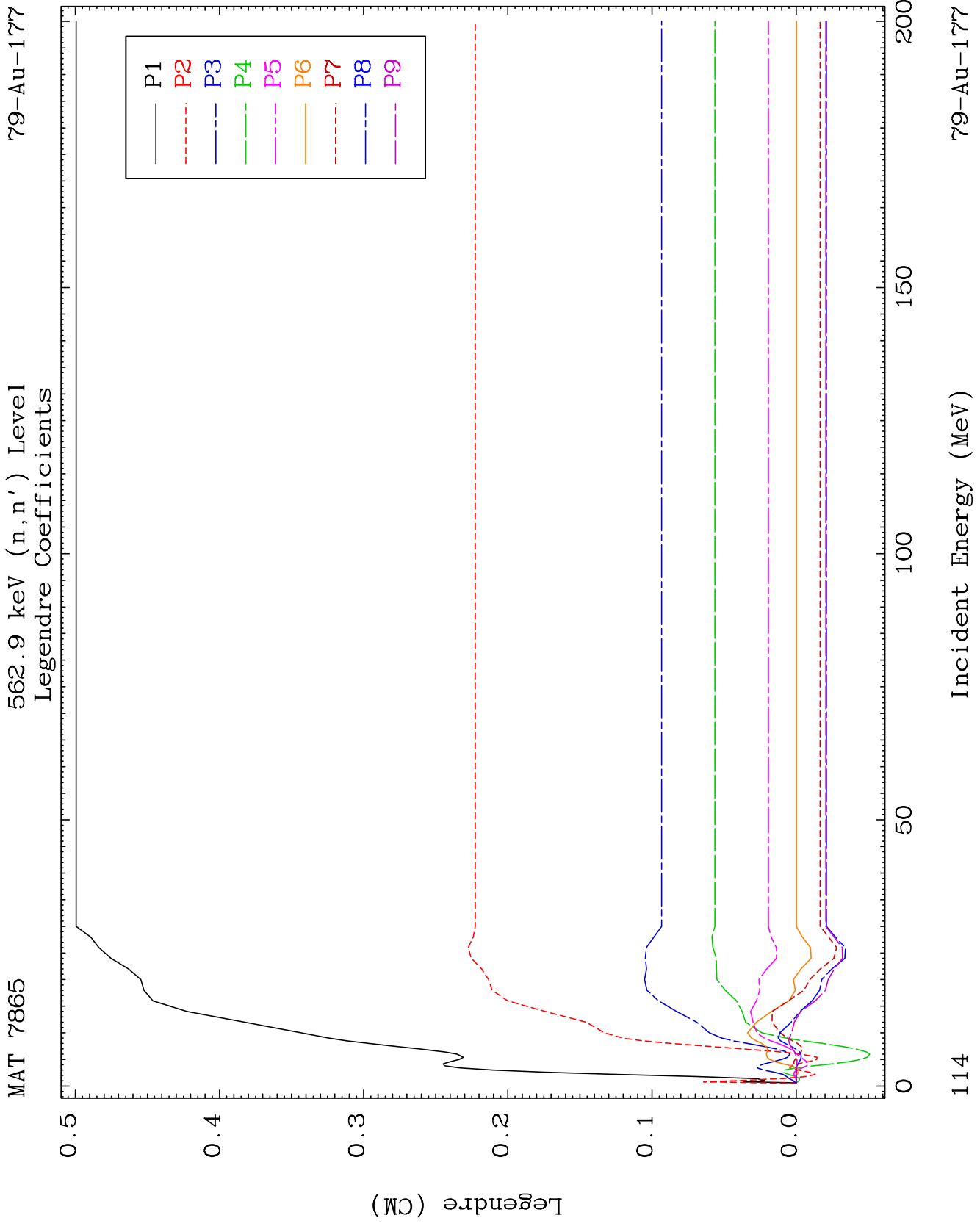


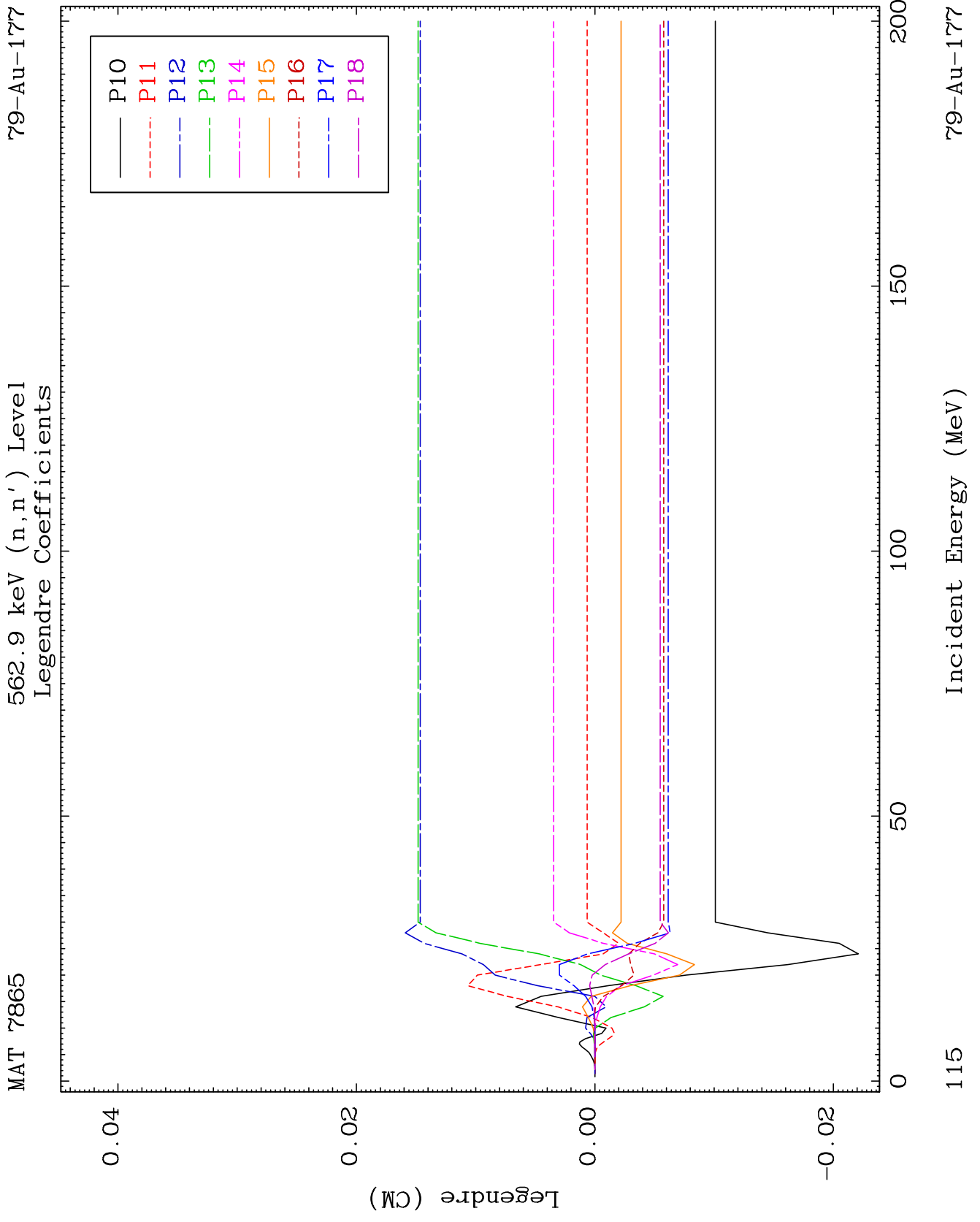
112

Incident Energy (MeV)

79-Au-177



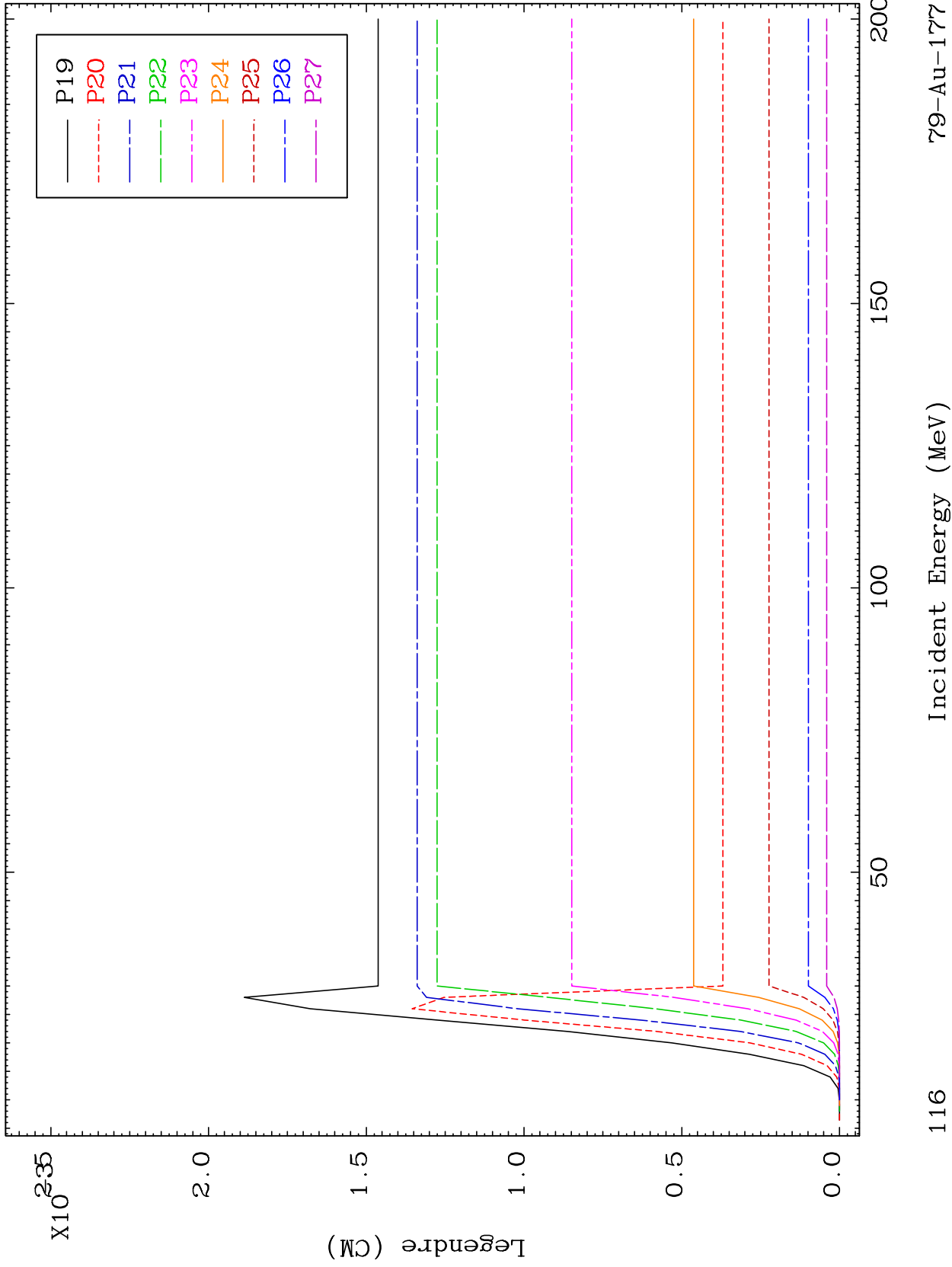




MAT 7865

562.9 keV (n,n') Level
Legendre Coefficients

79-Au-177



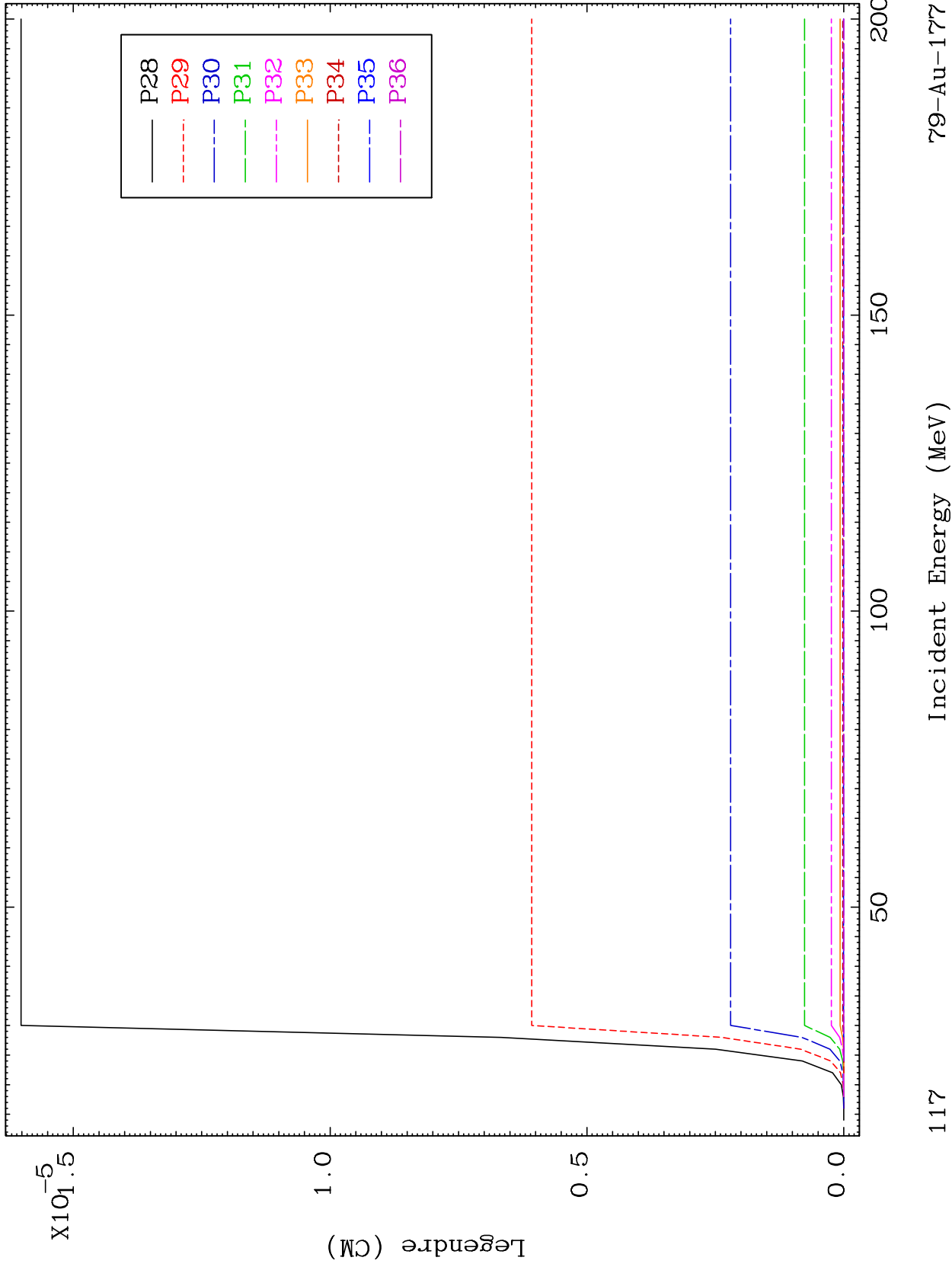
116

79-Au-177

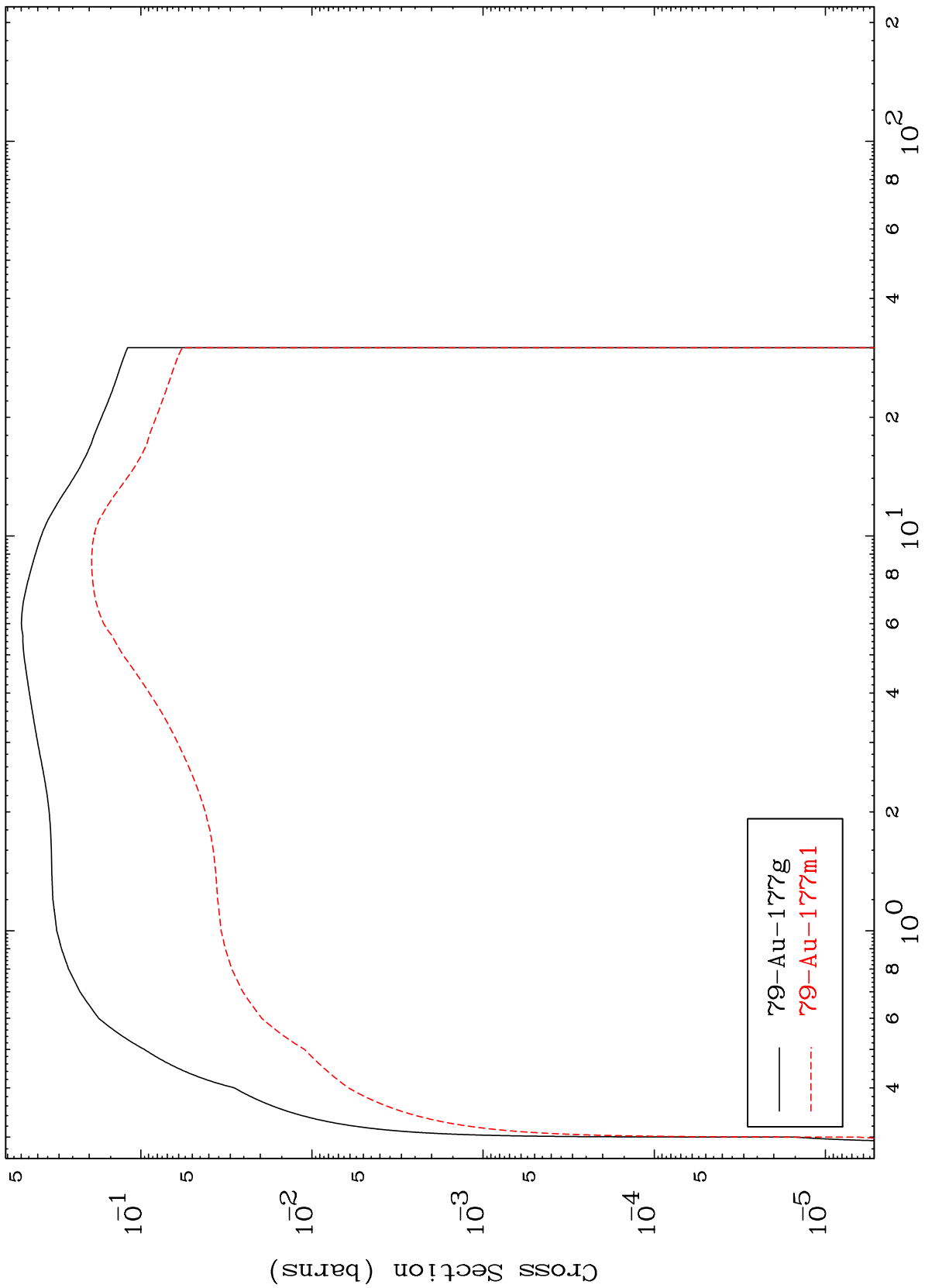
MAT 7865

562.9 keV (n,n') Level
Legendre Coefficients

79-Au-177

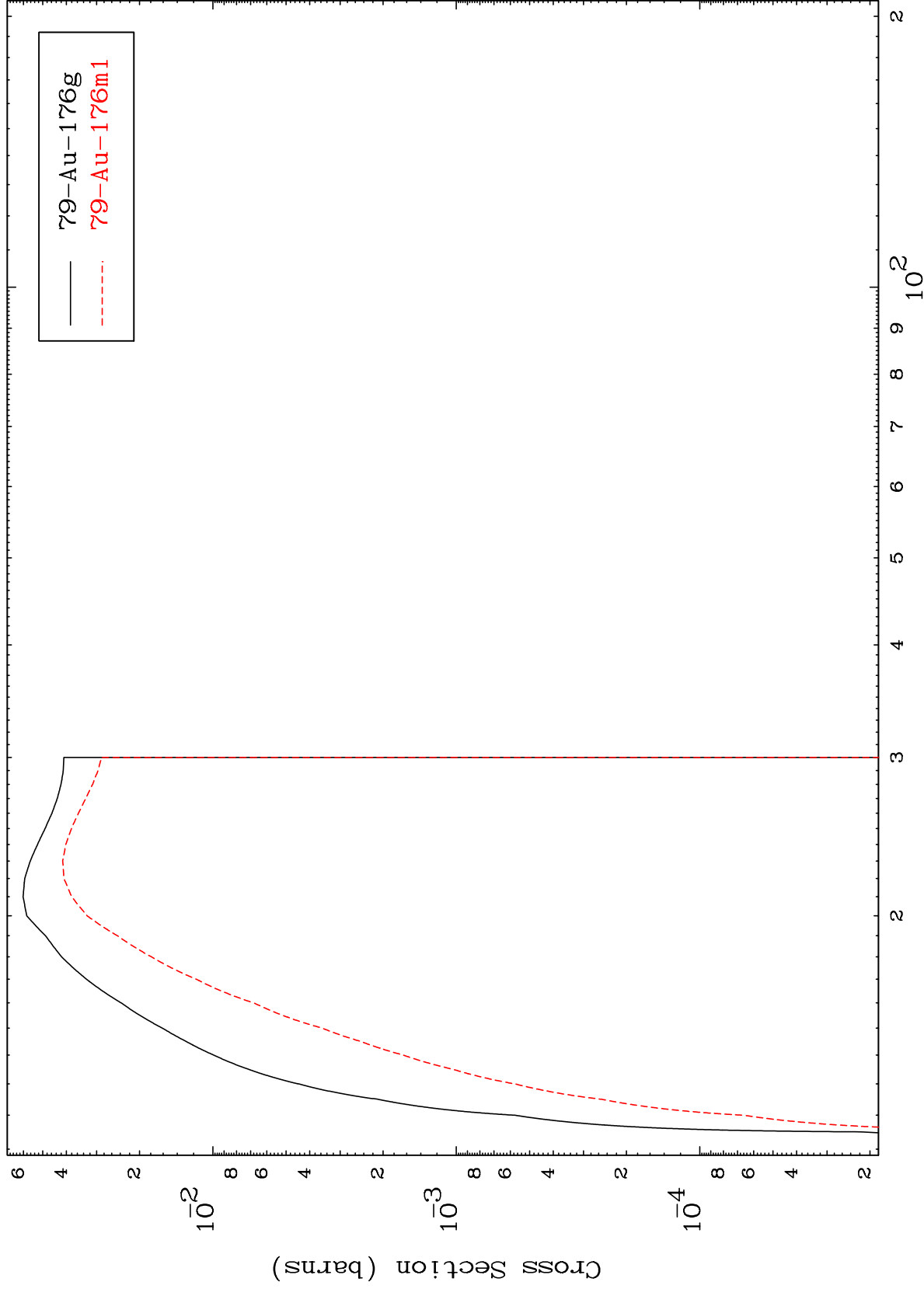


Inelastic
Radionuclide Production Cross Section



— 79-Au-177g
- - - 79-Au-177m1

Radionuclide Production Cross Section

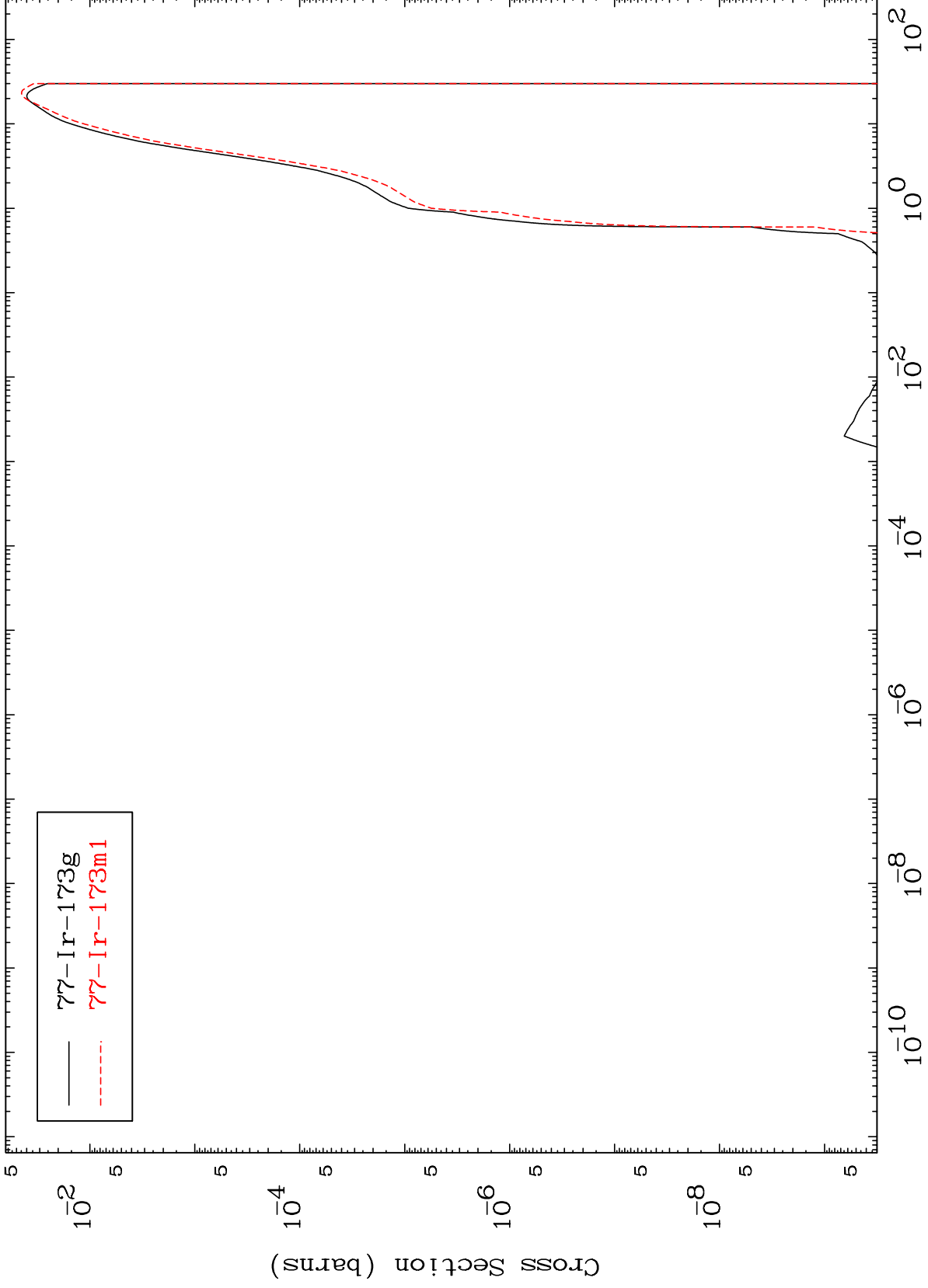


MAT 7865

$(n, n') \alpha$

$^{79}\text{Au-177}$

Radionuclide Production Cross Section



120

Incident Energy (MeV)

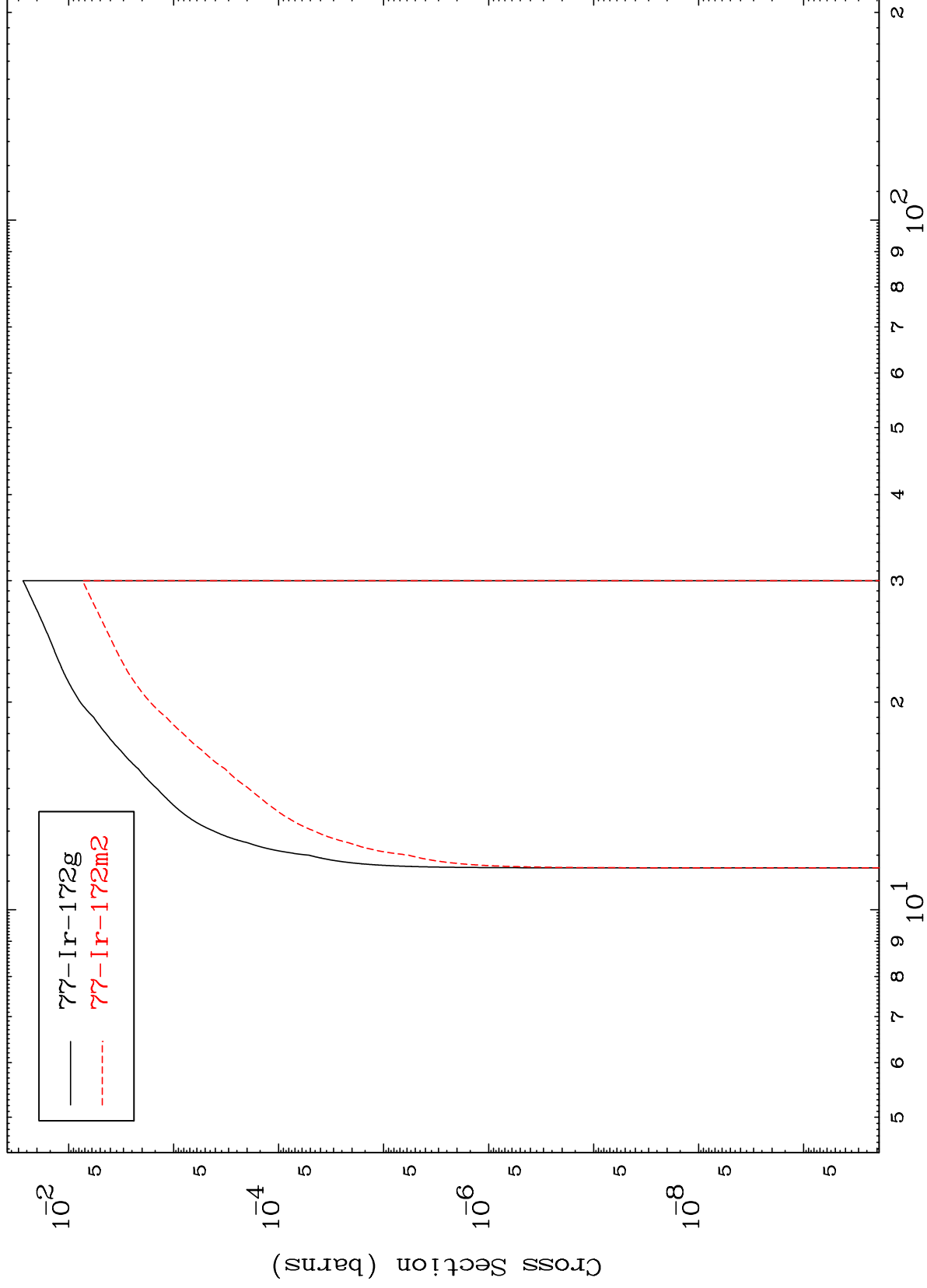
$^{79}\text{Au-177}$

MAT 7865

$^{79}\text{Au-177}$ α

$^{79}\text{Au-177}$

Radionuclide Production Cross Section



— $^{77}\text{Ir-172g}$
- - - $^{77}\text{Ir-172m2}$

121

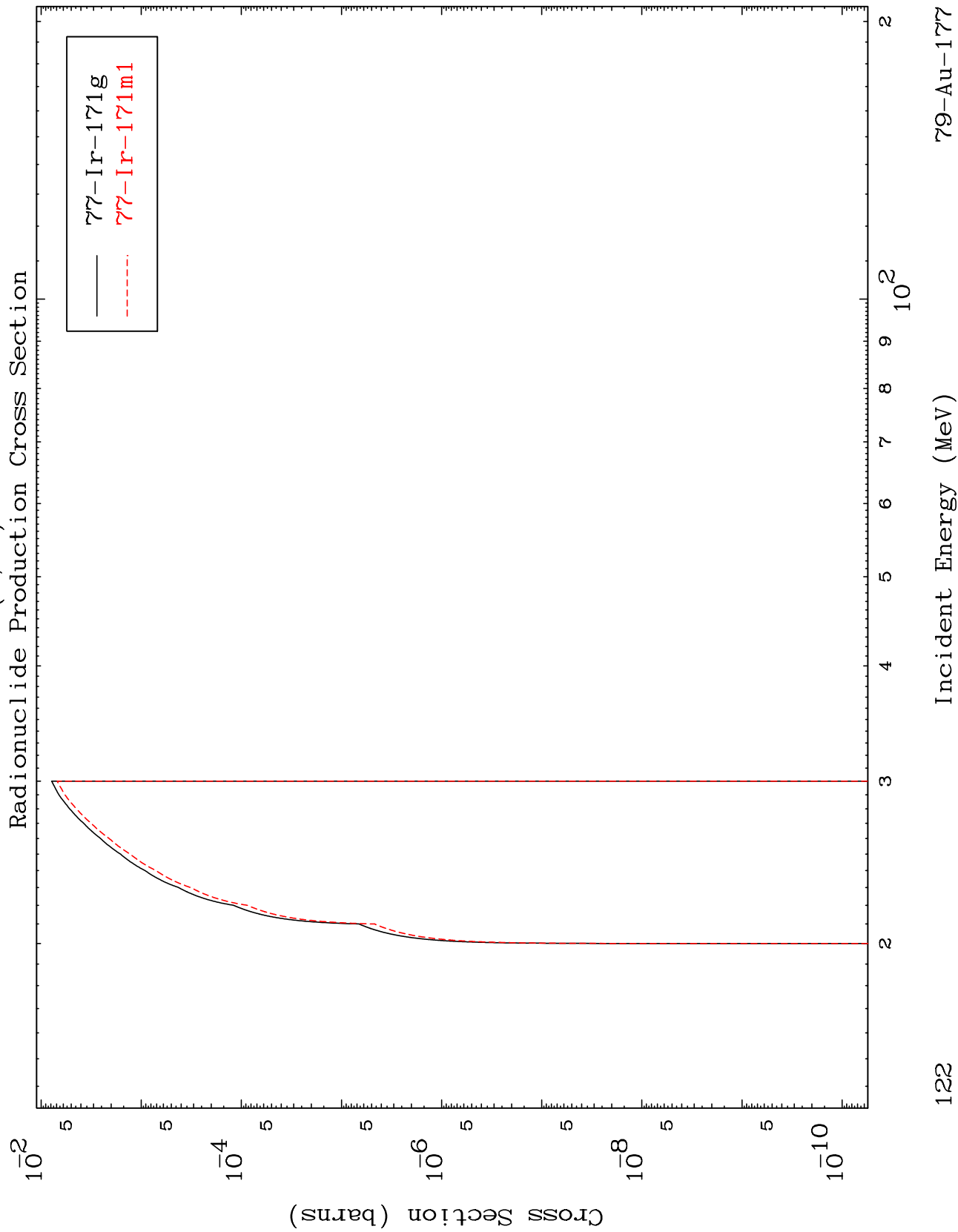
Incident Energy (MeV)

$^{79}\text{Au-177}$

MAT 7865

(n,3n) α

79-Au-177



122

Incident Energy (MeV)

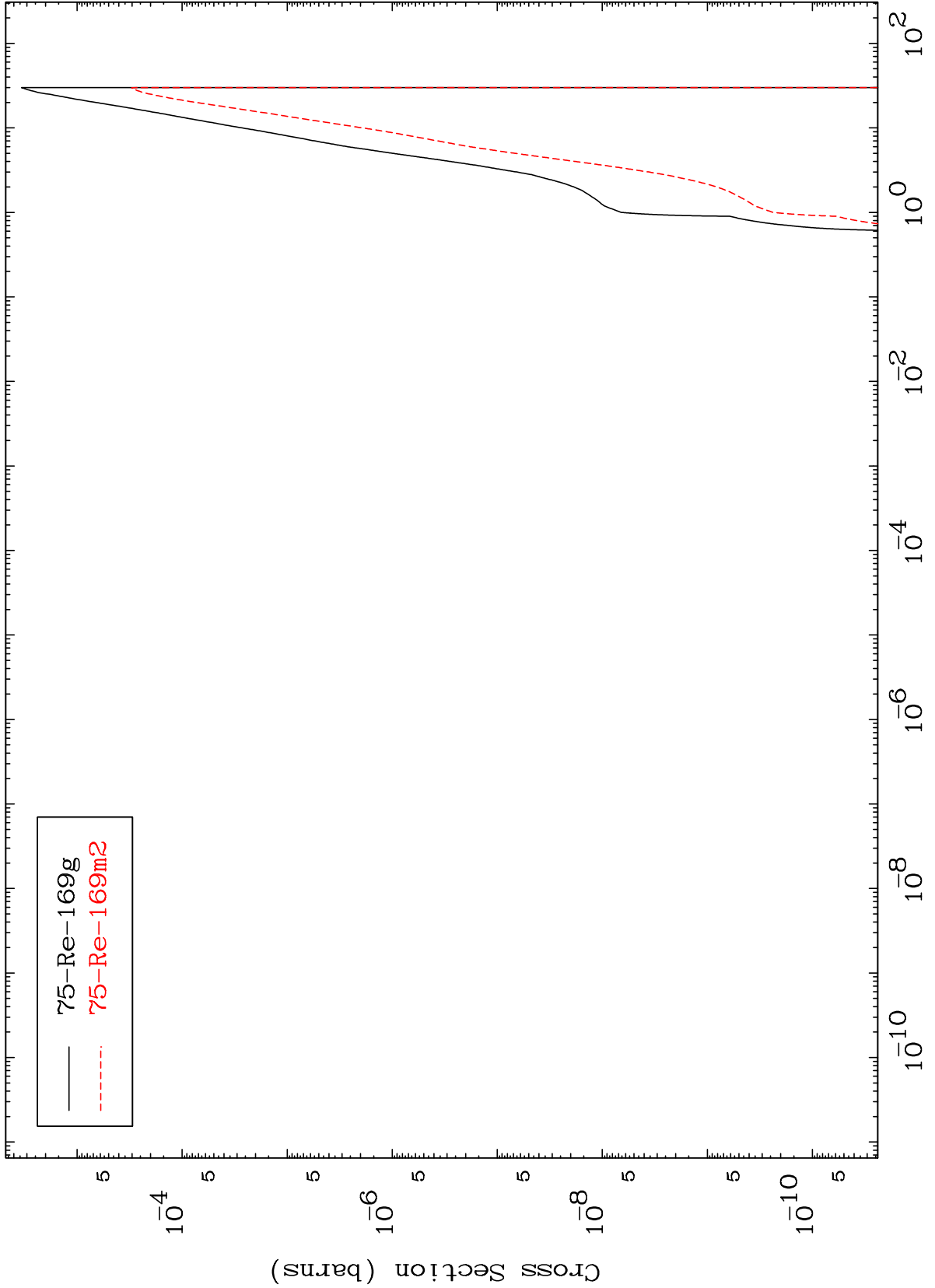
79-Au-177

MAT 7865

(n,n') 2α

79-Au-177

Radionuclide Production Cross Section

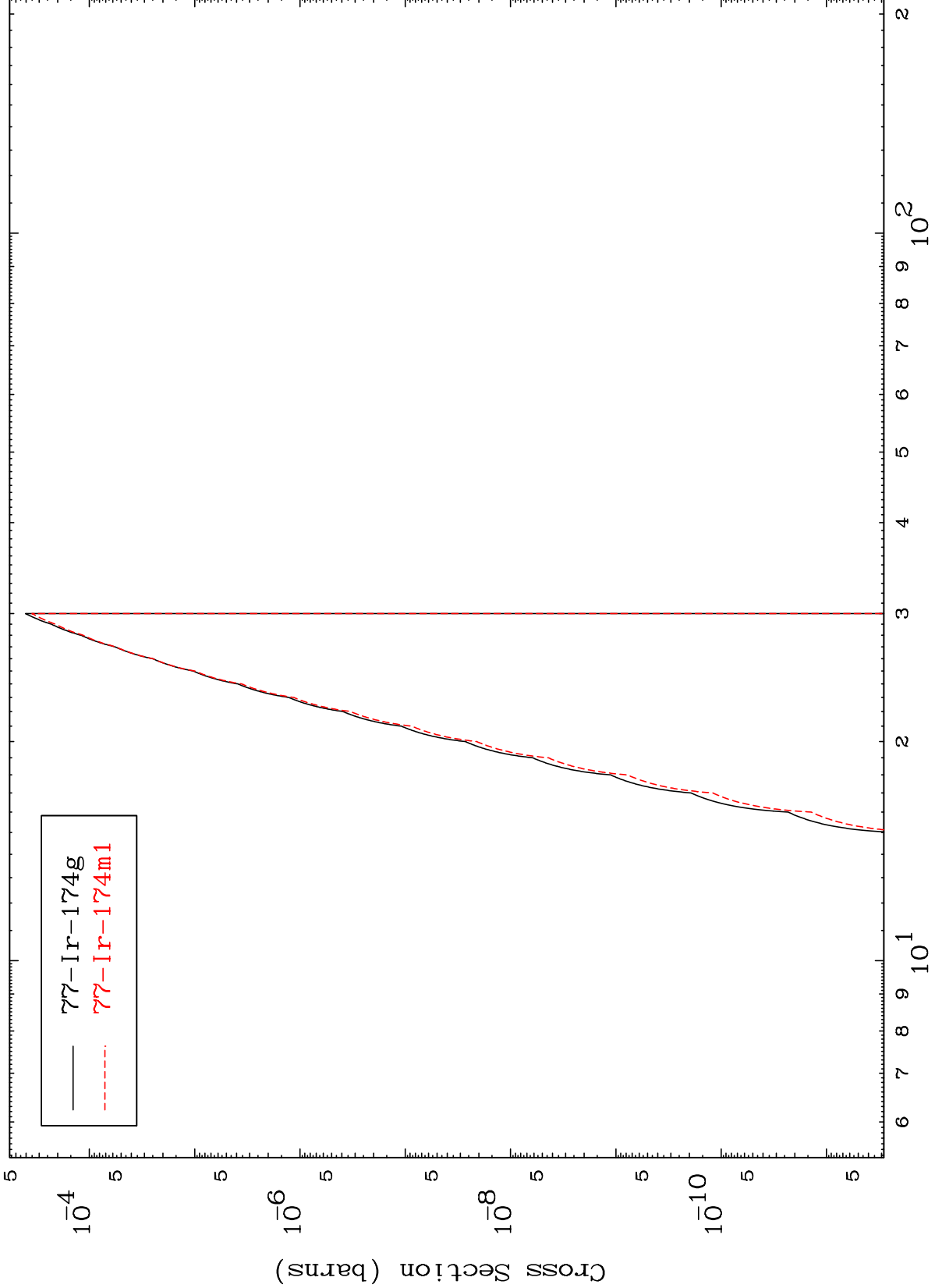


MAT 7865

(n,n') He-3

79-Au-177

Radionuclide Production Cross Section



124

Incident Energy (MeV)

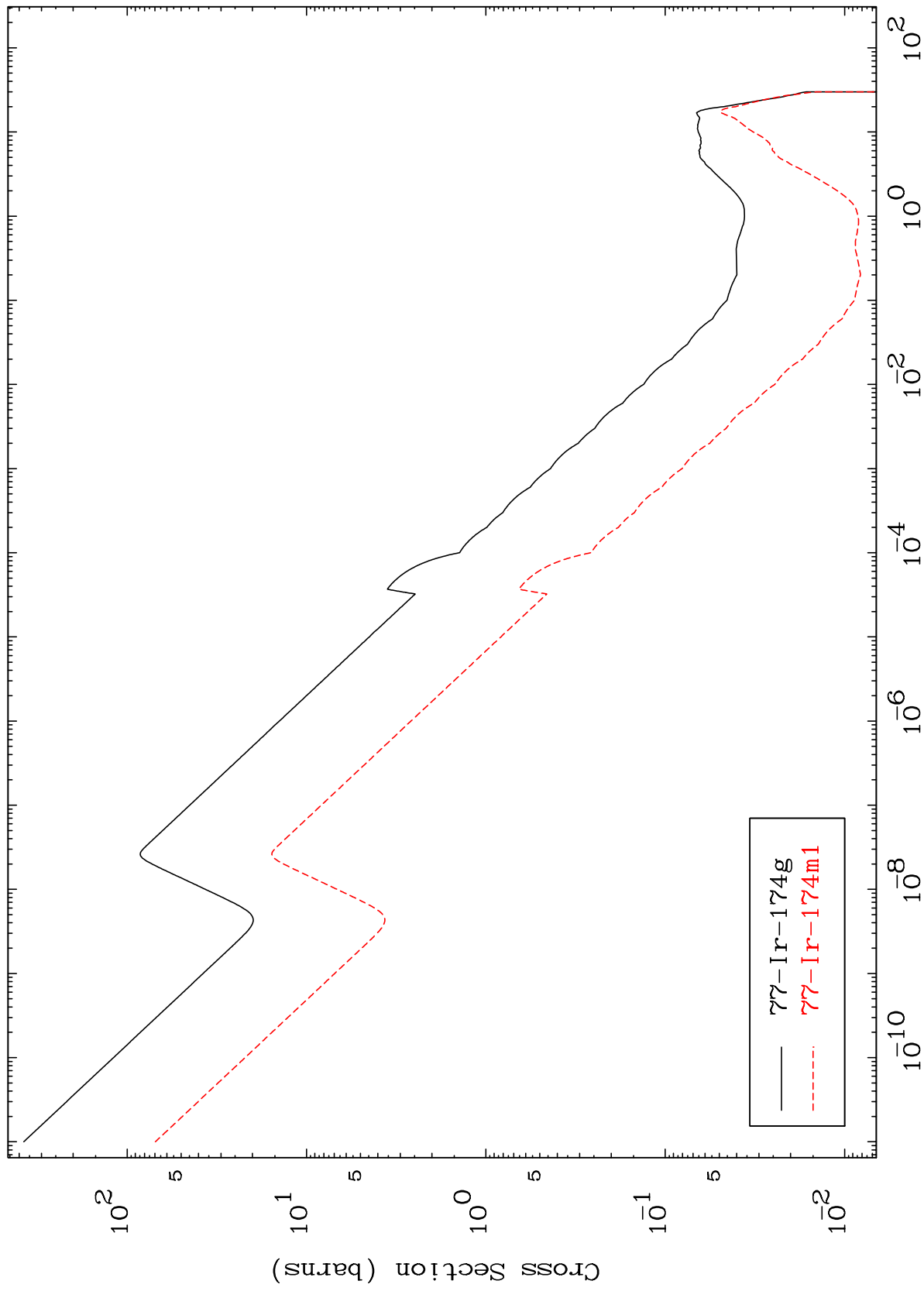
79-Au-177

MAT 7865

79-Au-177

Radionuclide Production Cross Section

(n, α)



— 77-Ir-174g
- - - 77-Ir-174m1

125

79-Au-177

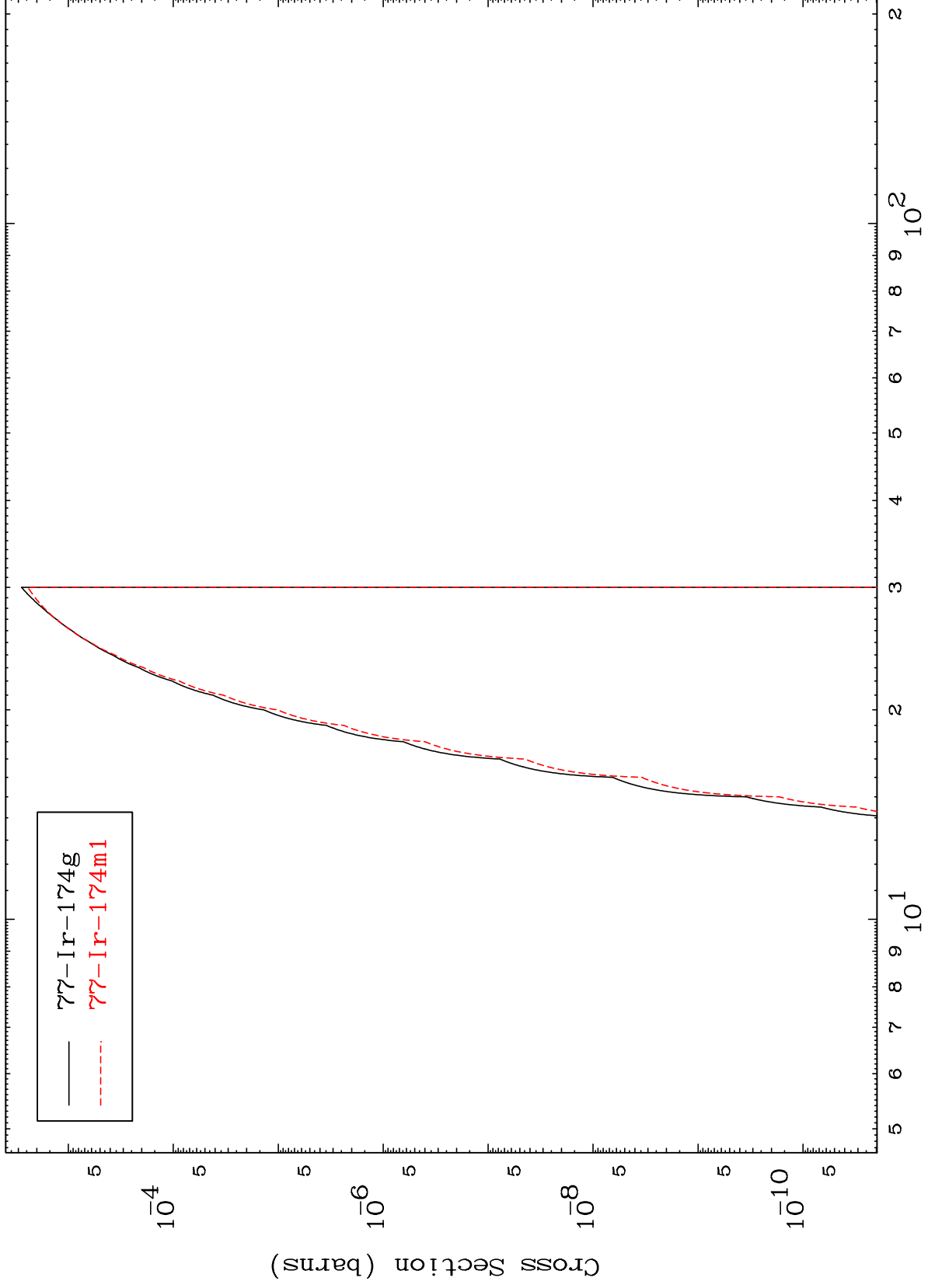
Incident Energy (MeV)

MAT 7865

(n,p) t

⁷⁹Au-177

Radionuclide Production Cross Section



126

Incident Energy (MeV)

⁷⁹Au-177