

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

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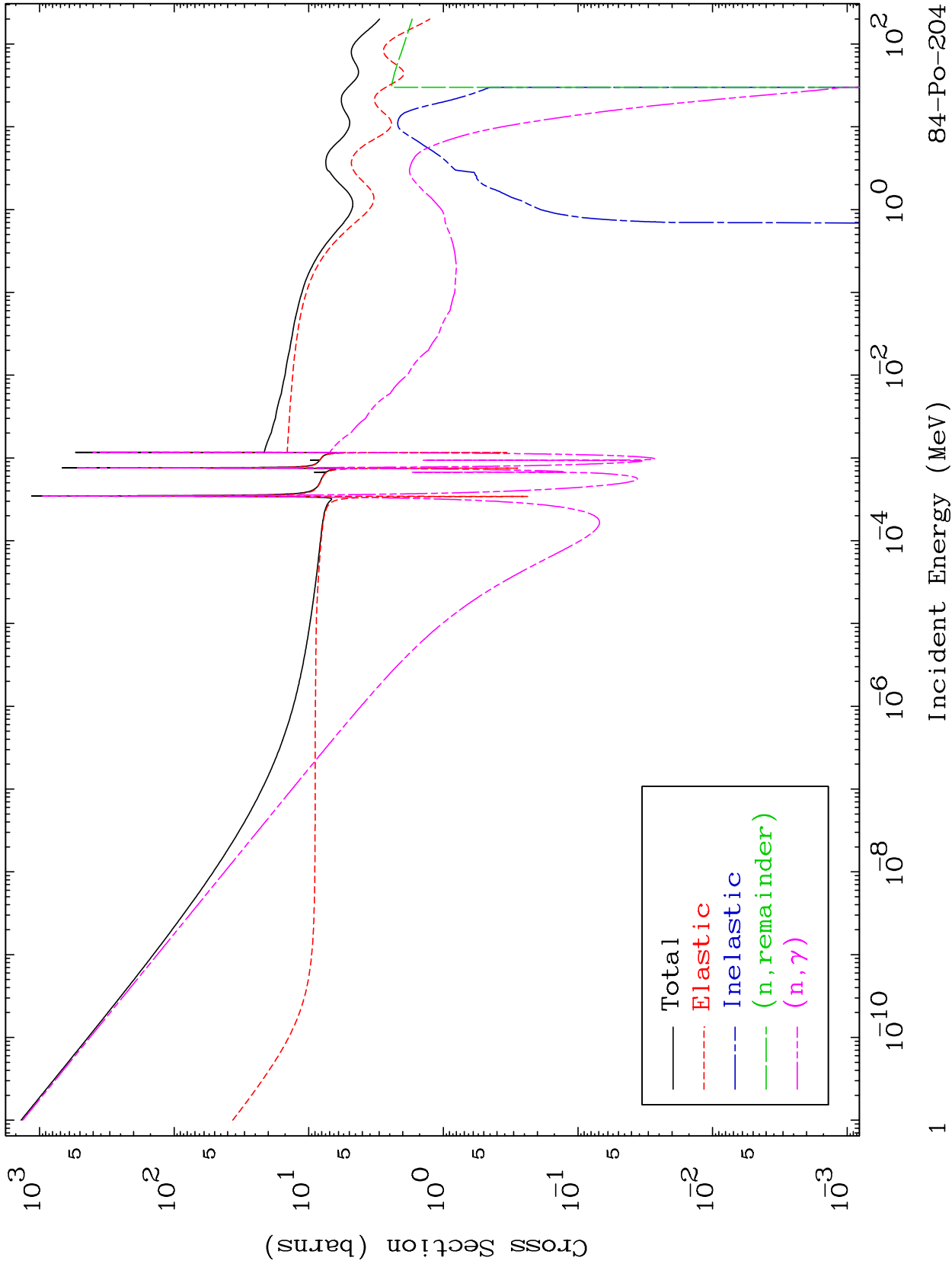
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8419

Major
293 Kelvin Cross Sections

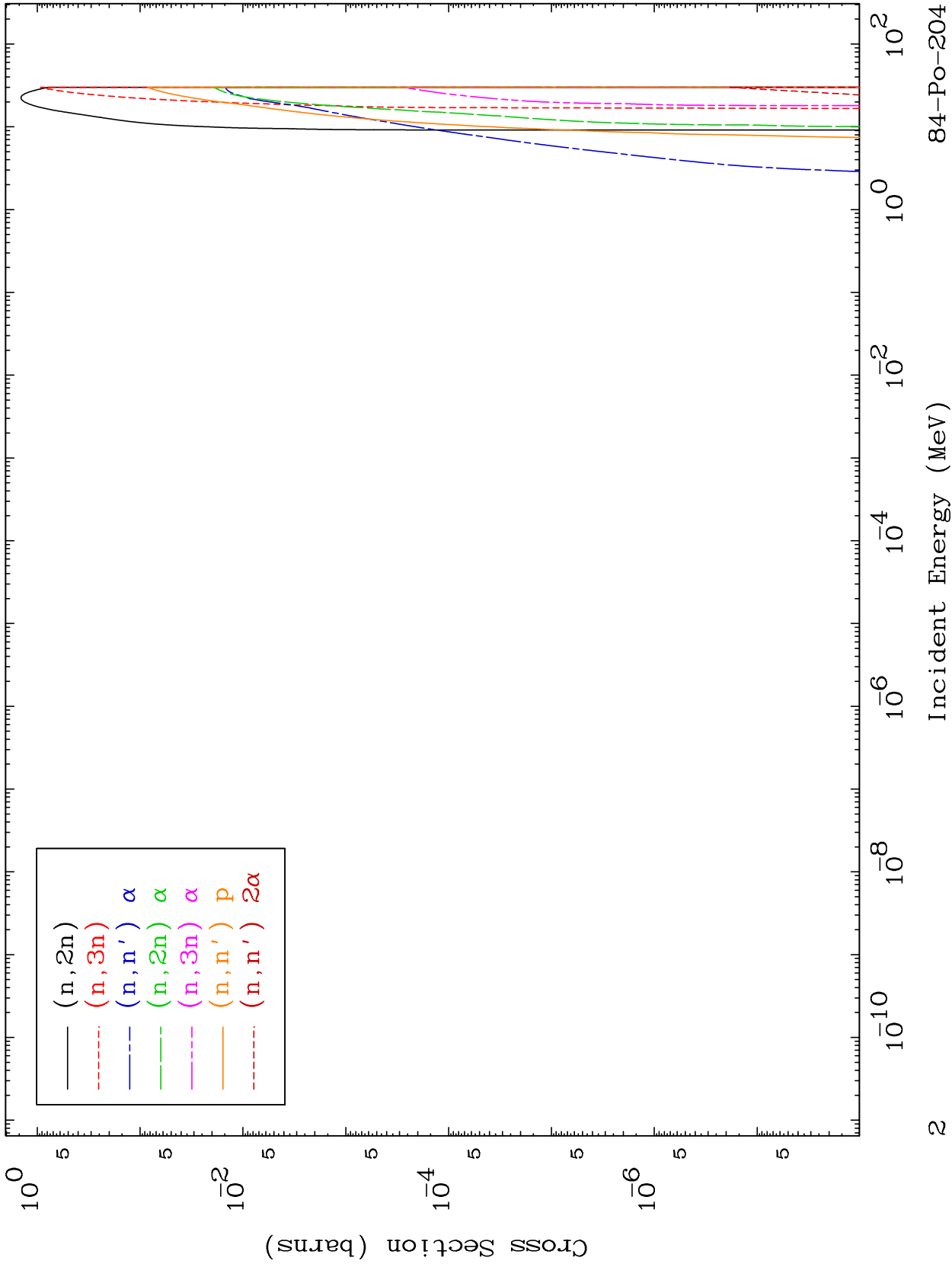
84-Po-204



MAT 8419

Neutron Production
293 Kelvin Cross Sections

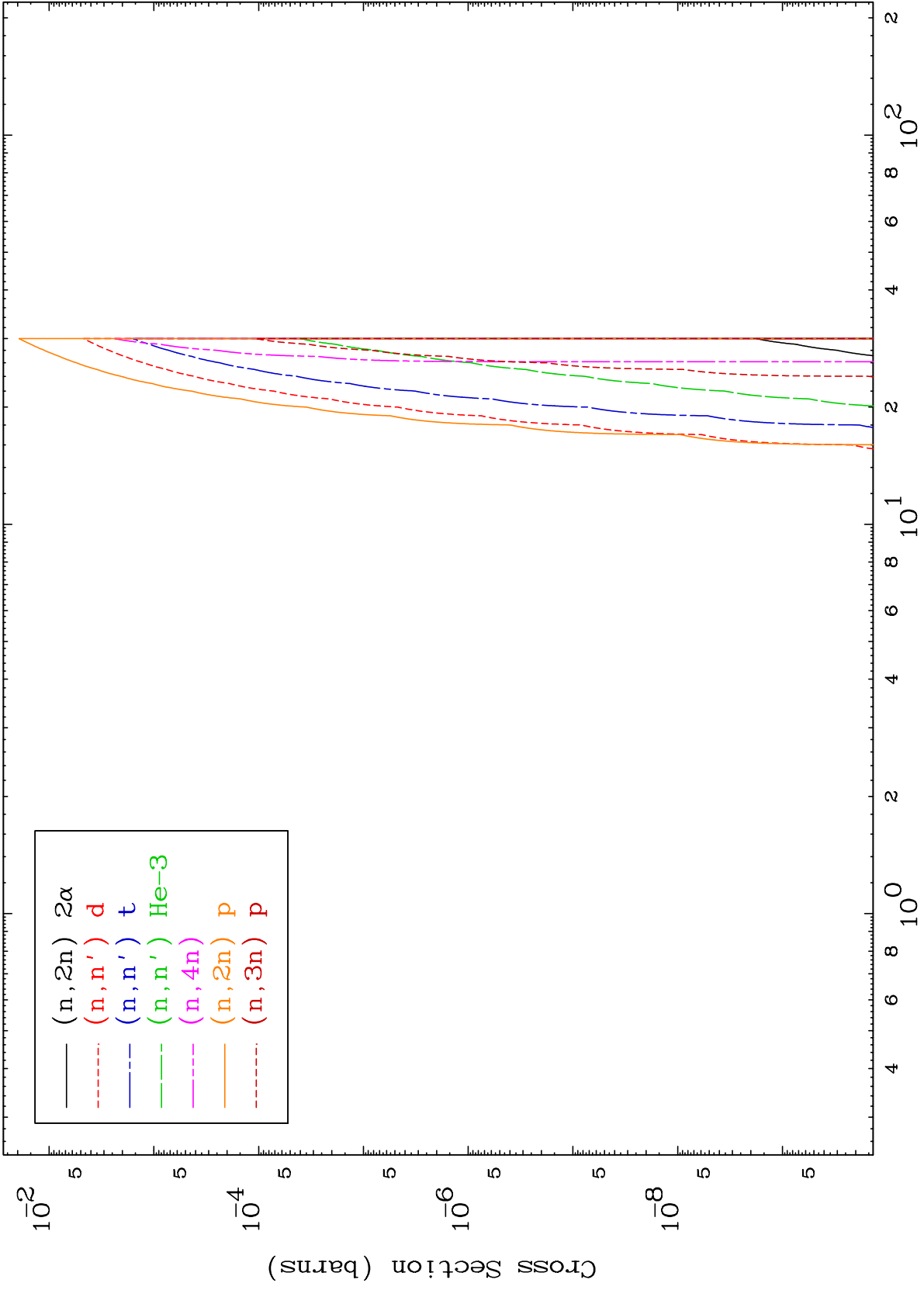
84-Po-204



MAT 8419

Neutron Production
293 Kelvin Cross Sections

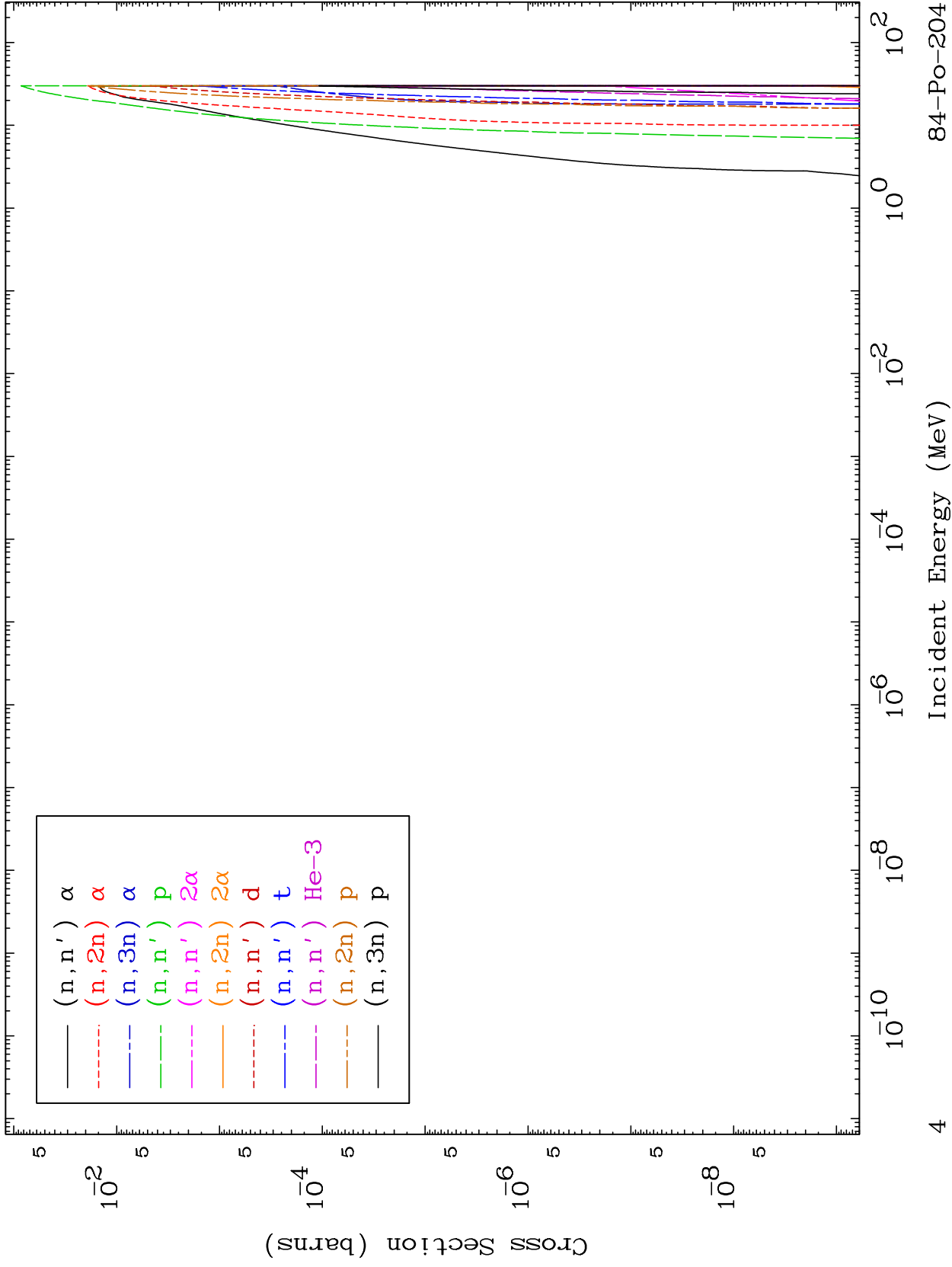
84-Po-204



MAT 8419

Charged Particle
293 Kelvin Cross Sections

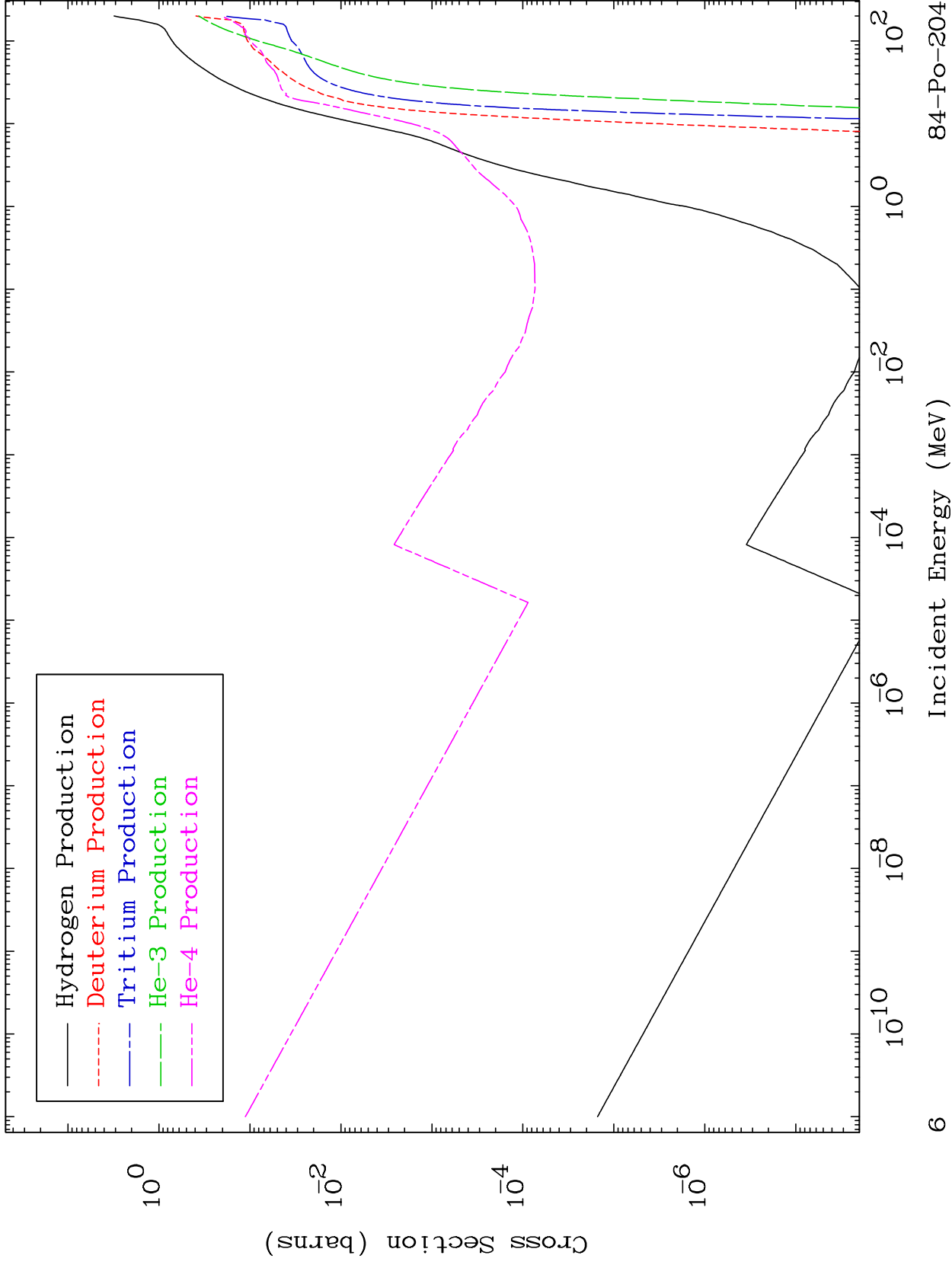
84-Po-204



MAT 8419

Particle Production
293 Kelvin Cross Sections

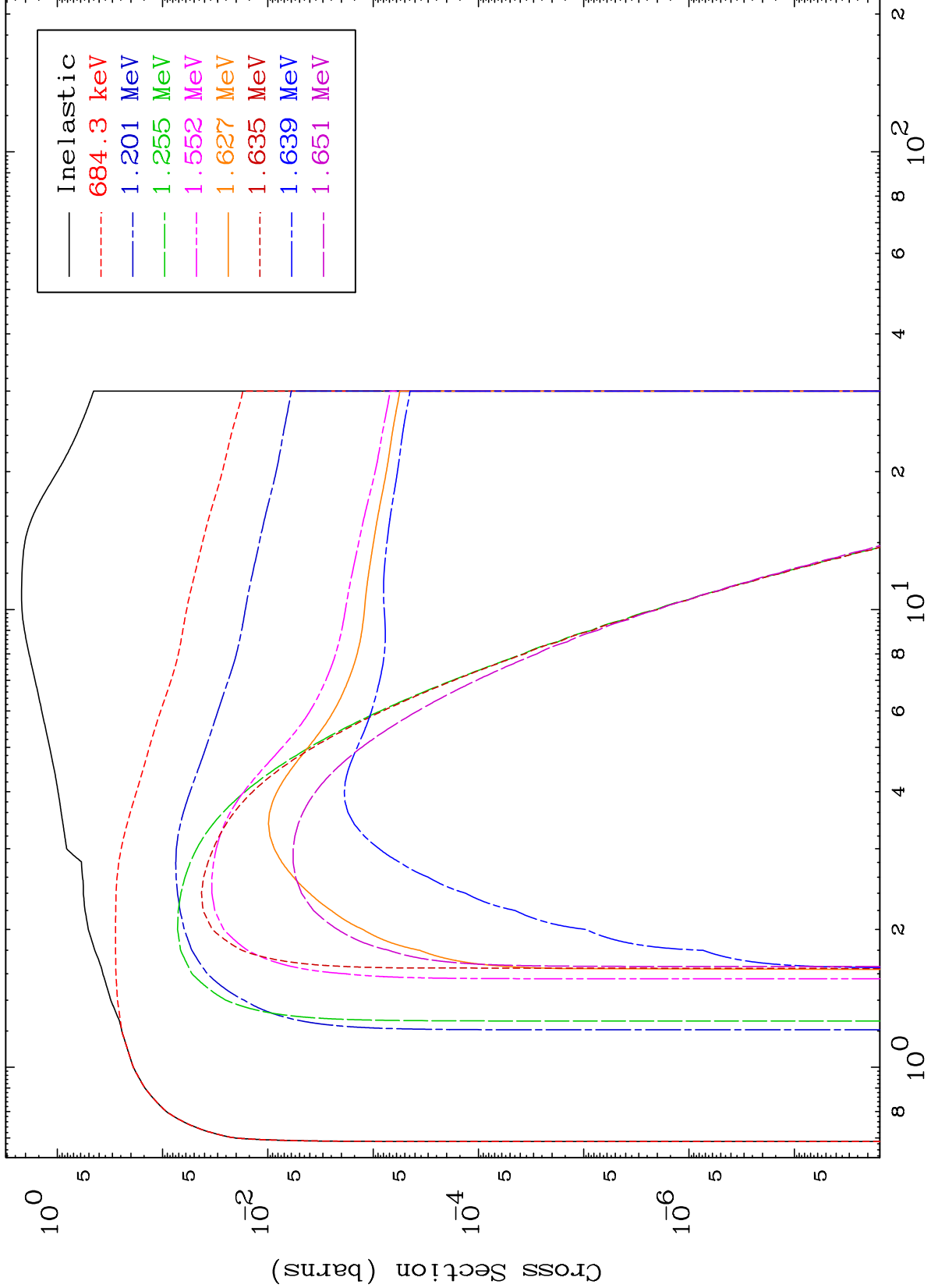
84-Po-204



MAT 8419

(n,n') Level
293 Kelvin Cross Sections

84-Po-204



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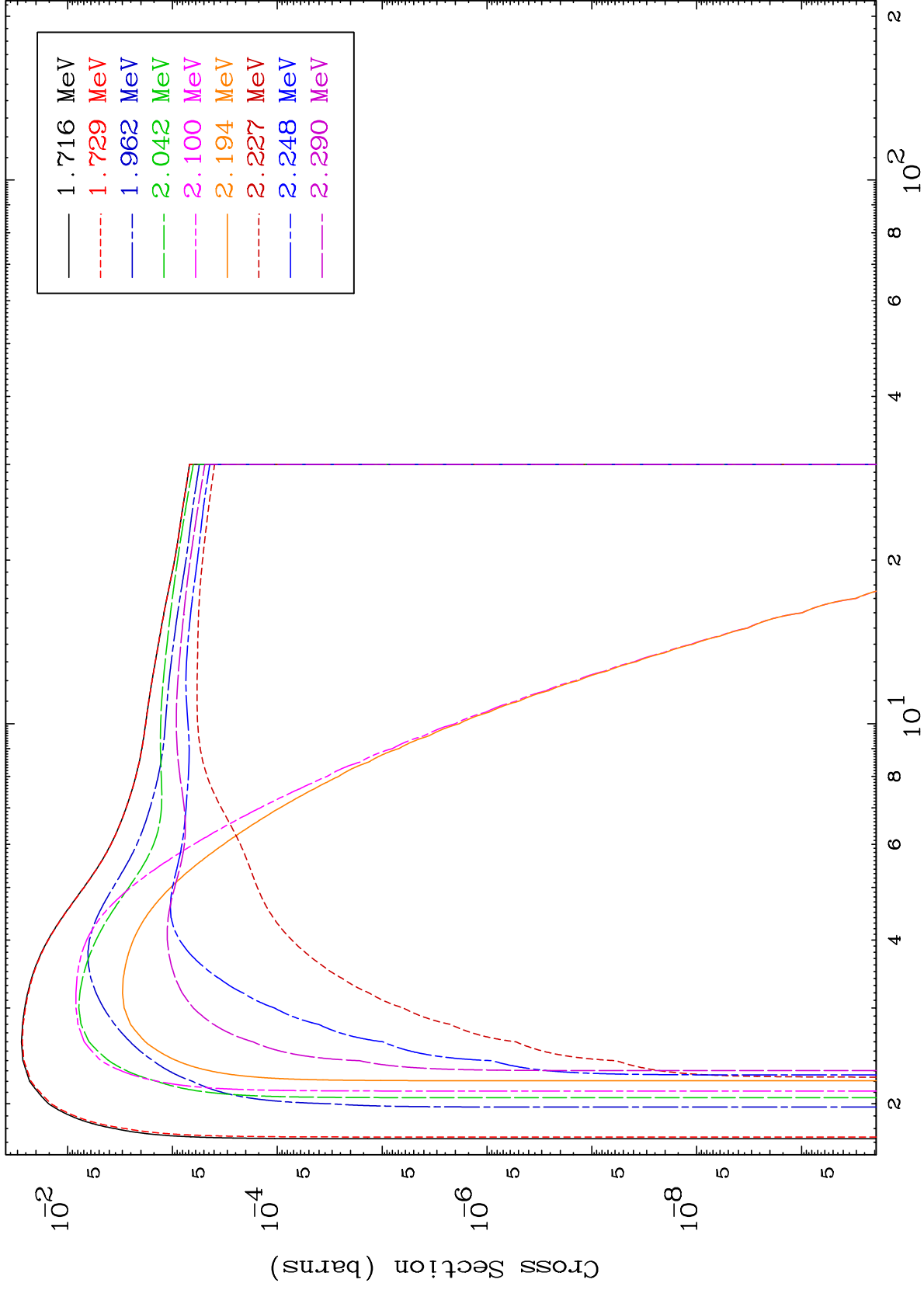
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,n') Level
293 Kelvin Cross Sections

84-Po-204

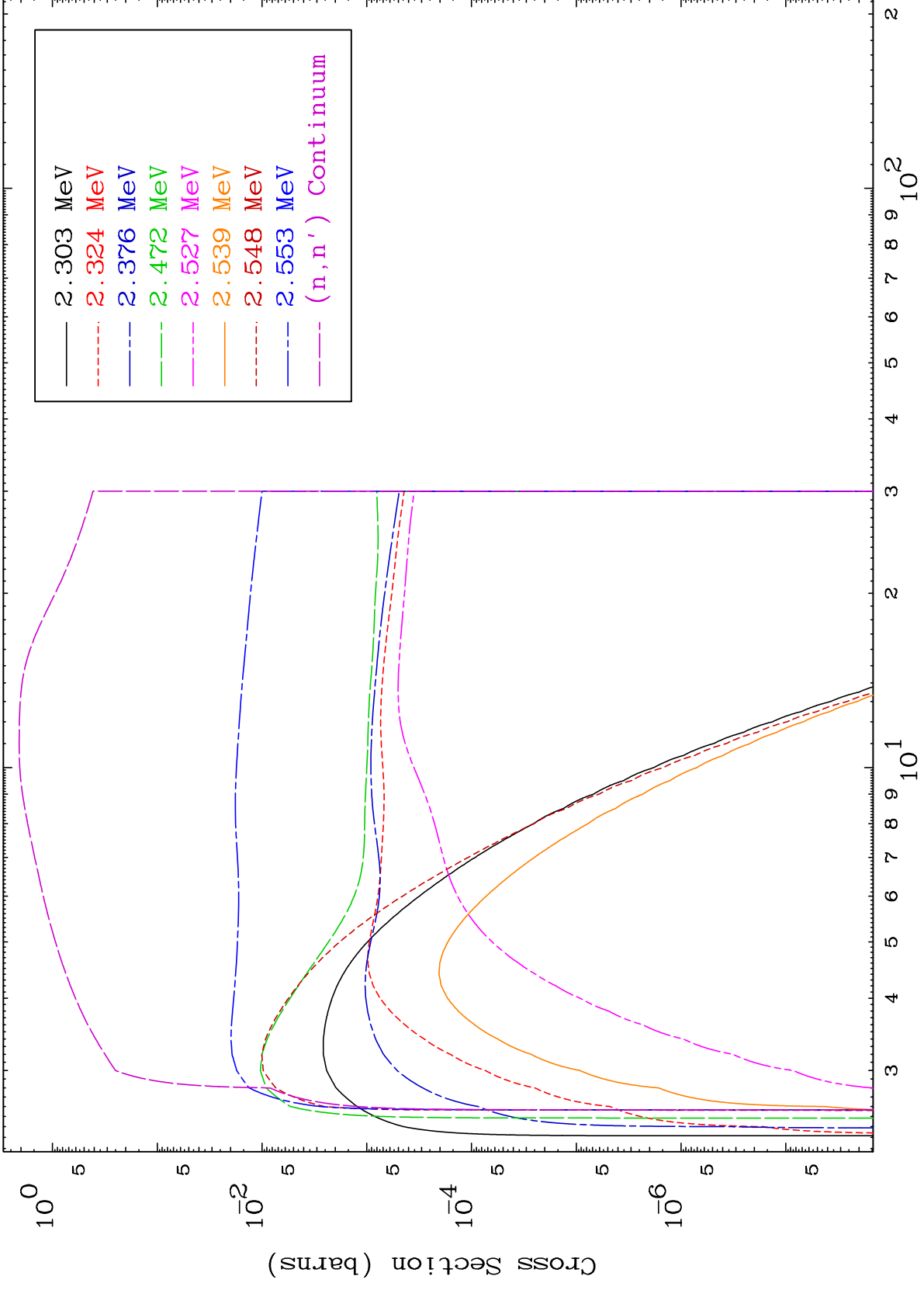


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Incident Energy (MeV)

84-Po-204

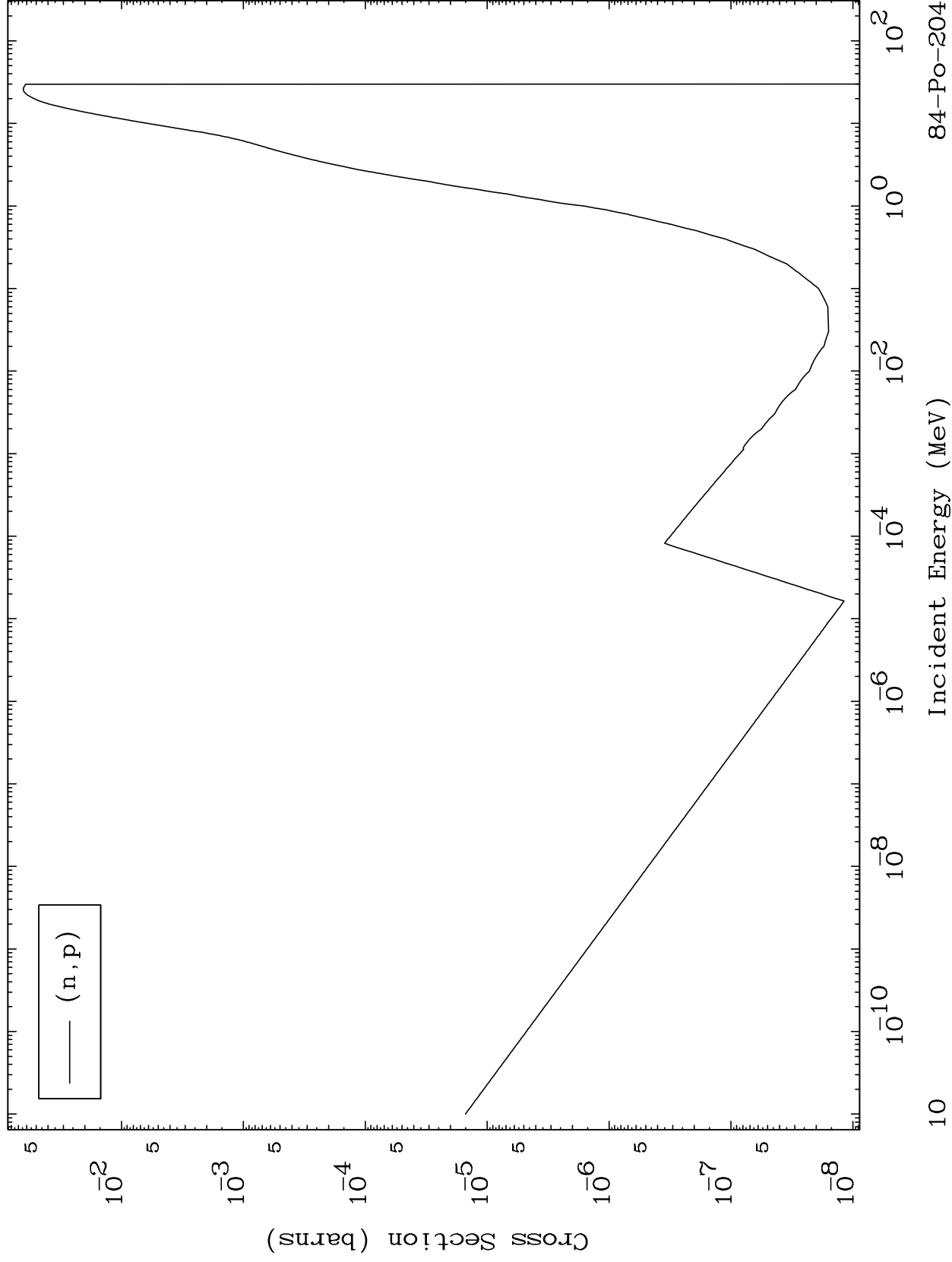
293 Kelvin Cross Sections



MAT 8419

(n,p) Levels
293 Kelvin Cross Sections

84-Po-204



10

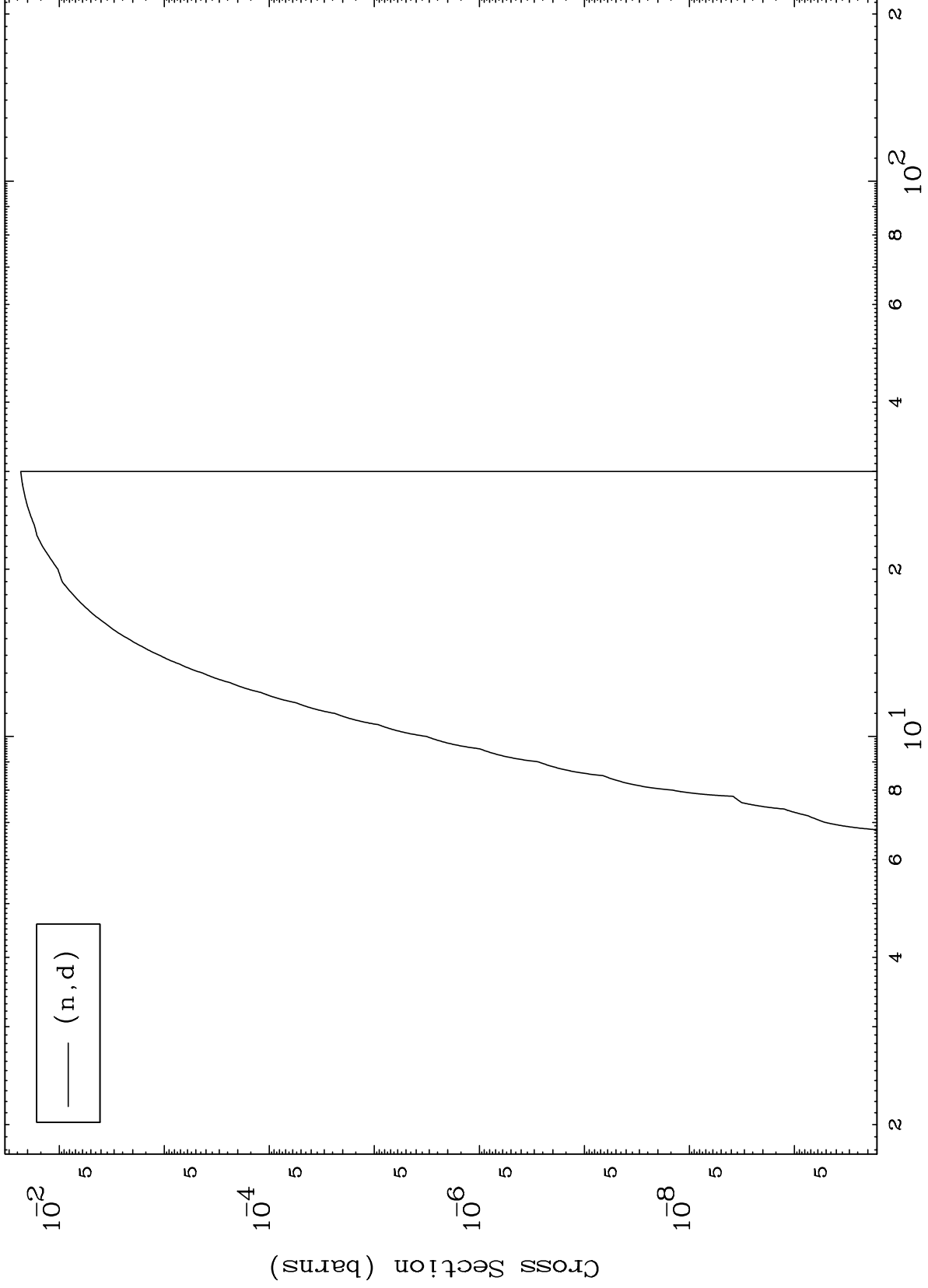
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,d) Levels
293 Kelvin Cross Sections

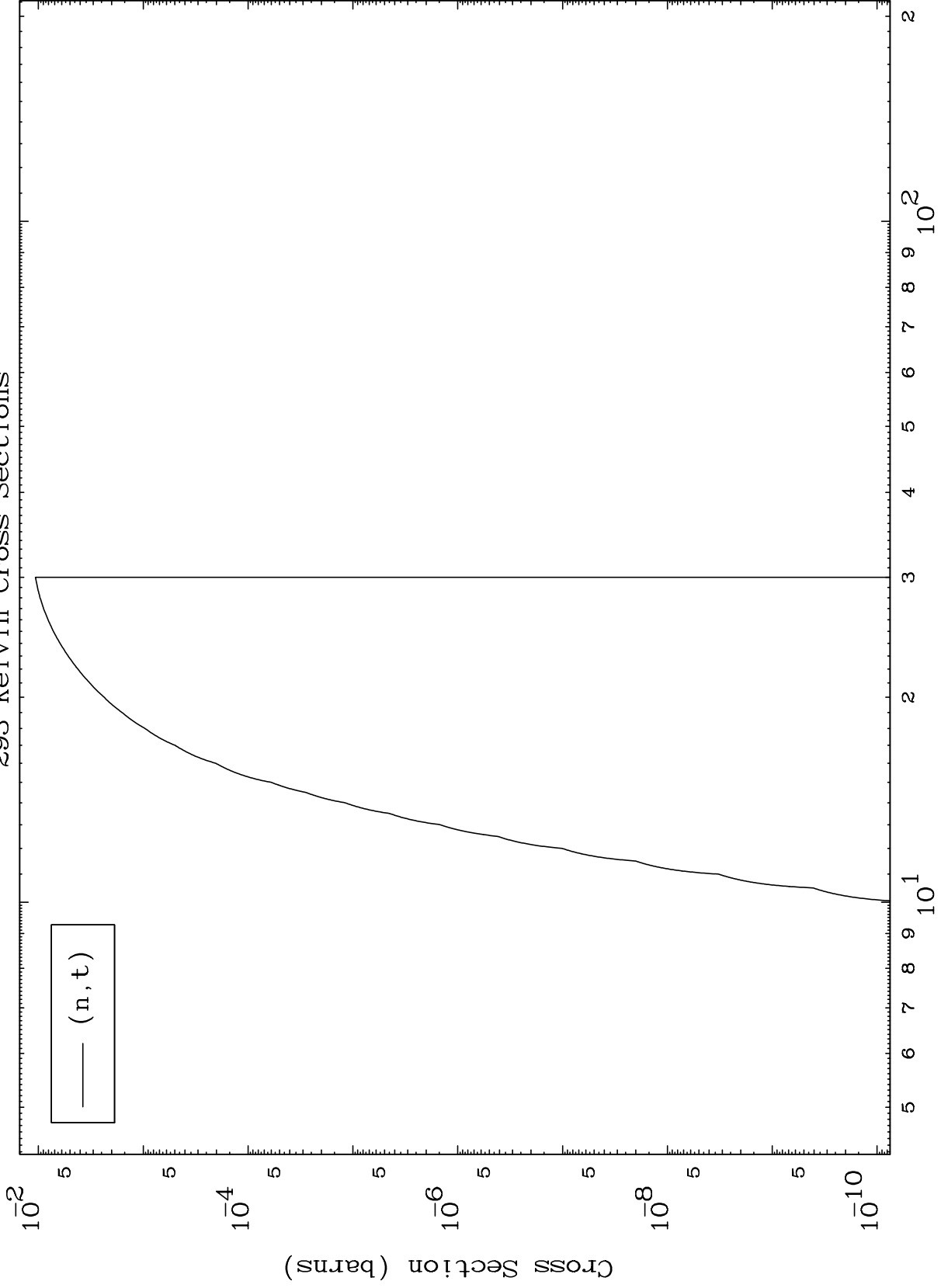
84-Po-204



MAT 8419

(n,t) Levels
293 Kelvin Cross Sections

84-Po-204



12

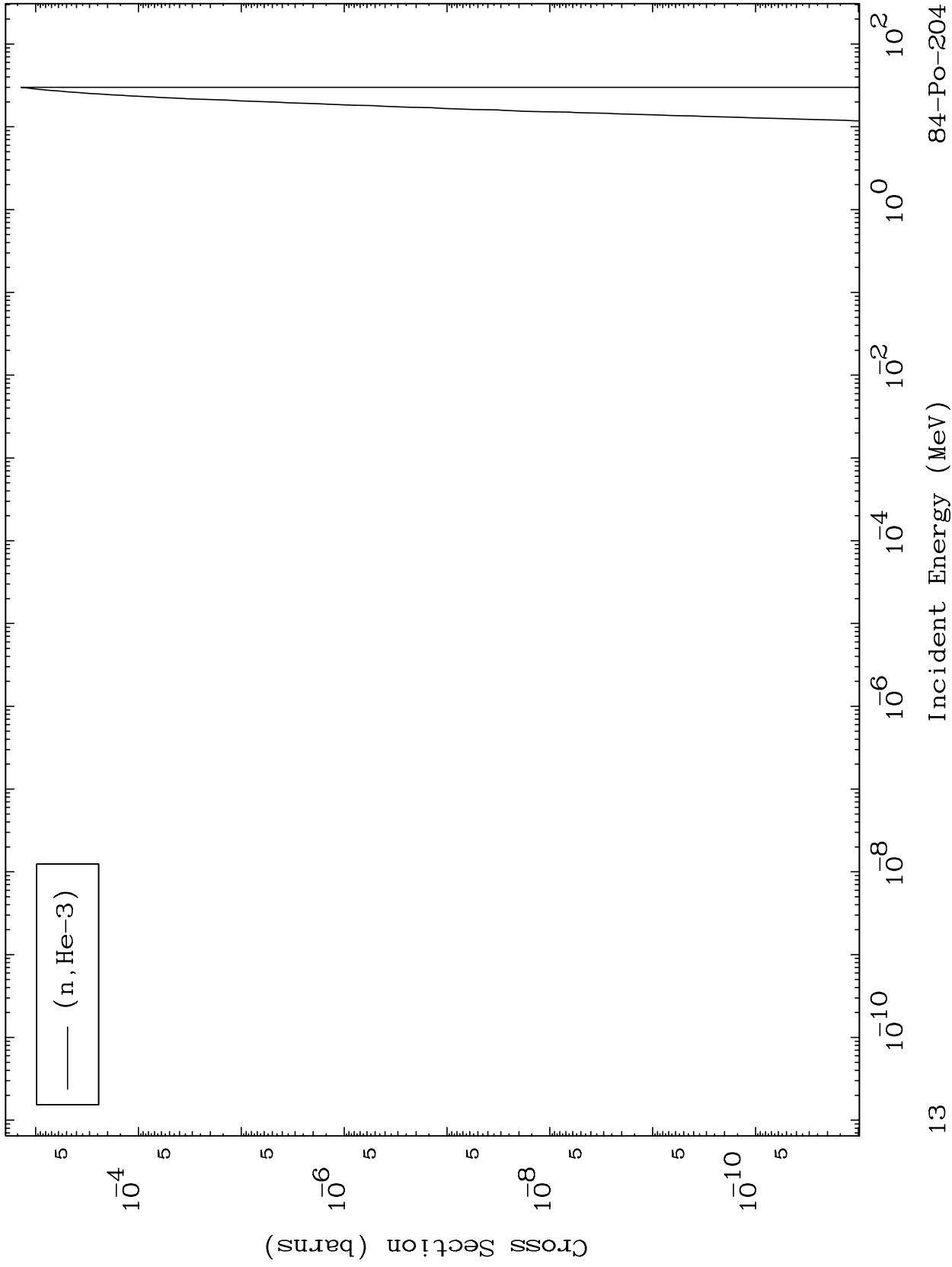
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,He3) Levels
293 Kelvin Cross Sections

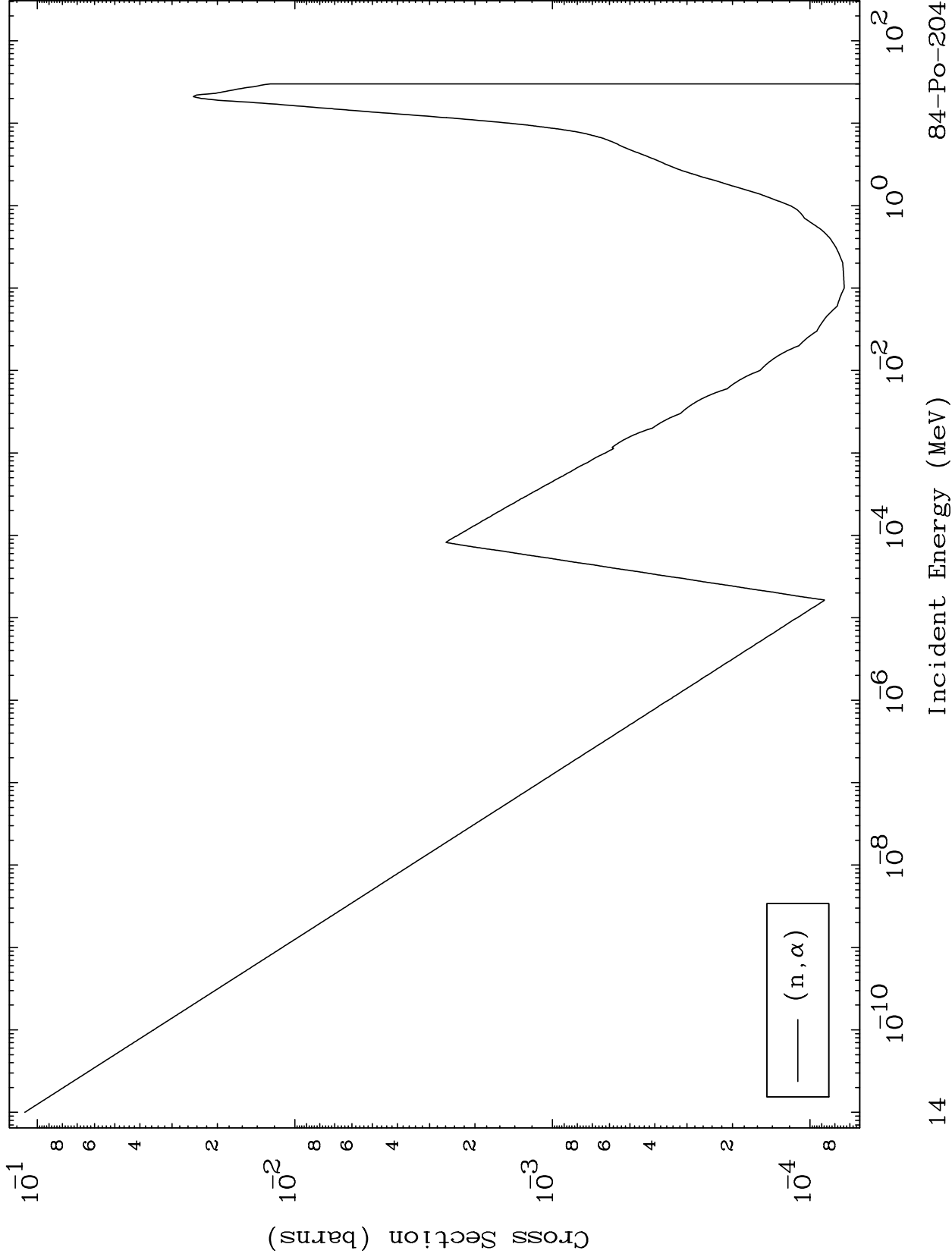
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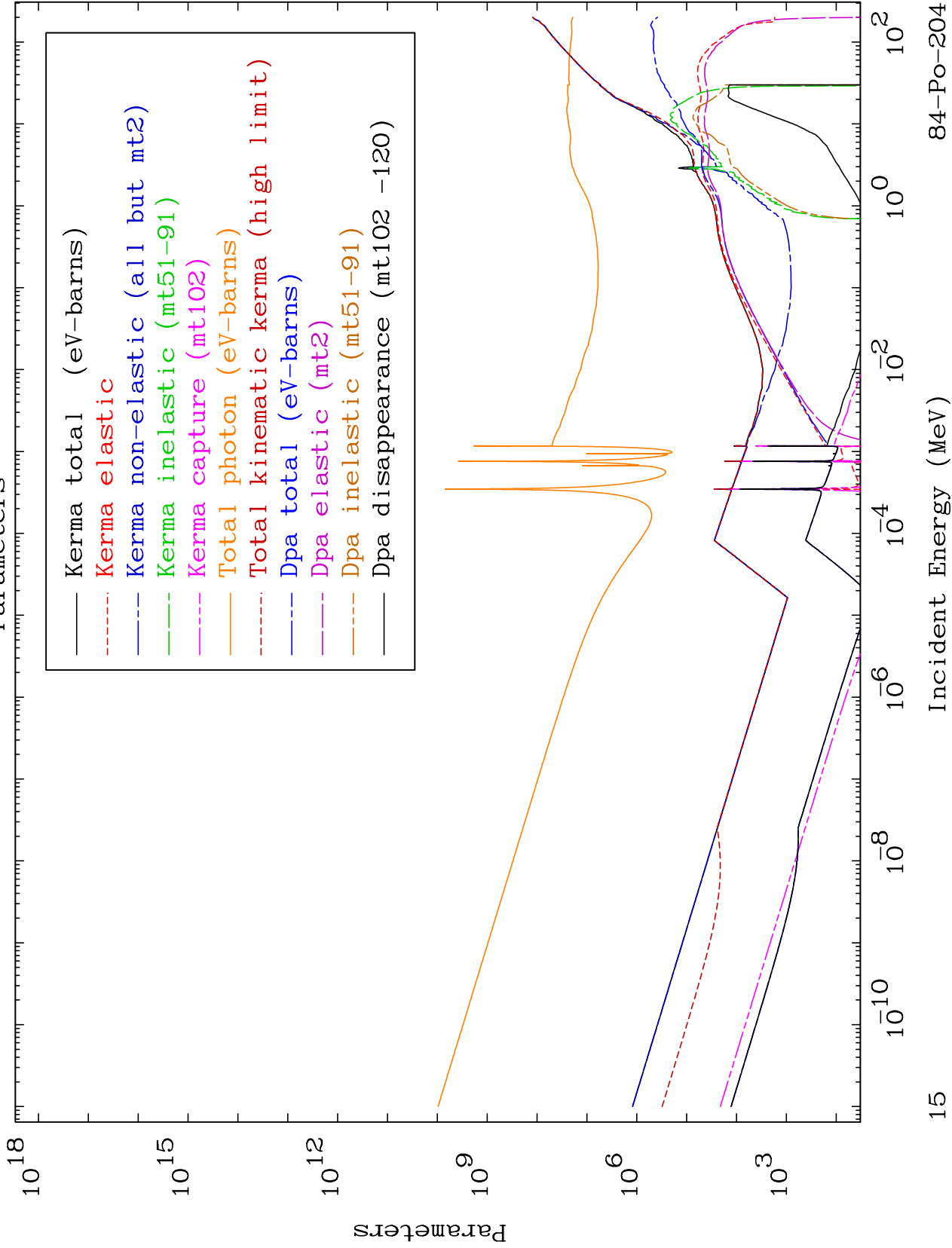


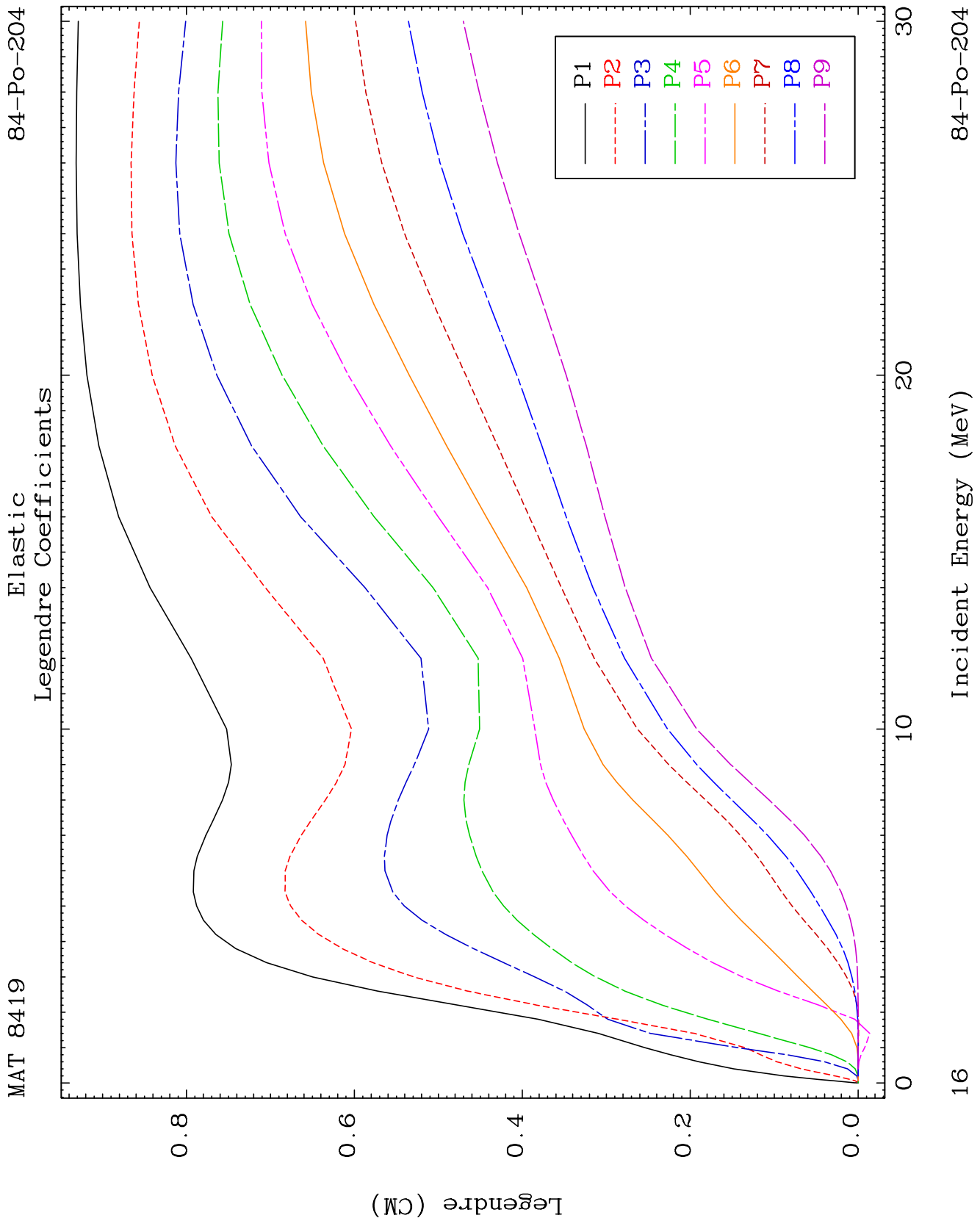
MAT 8419

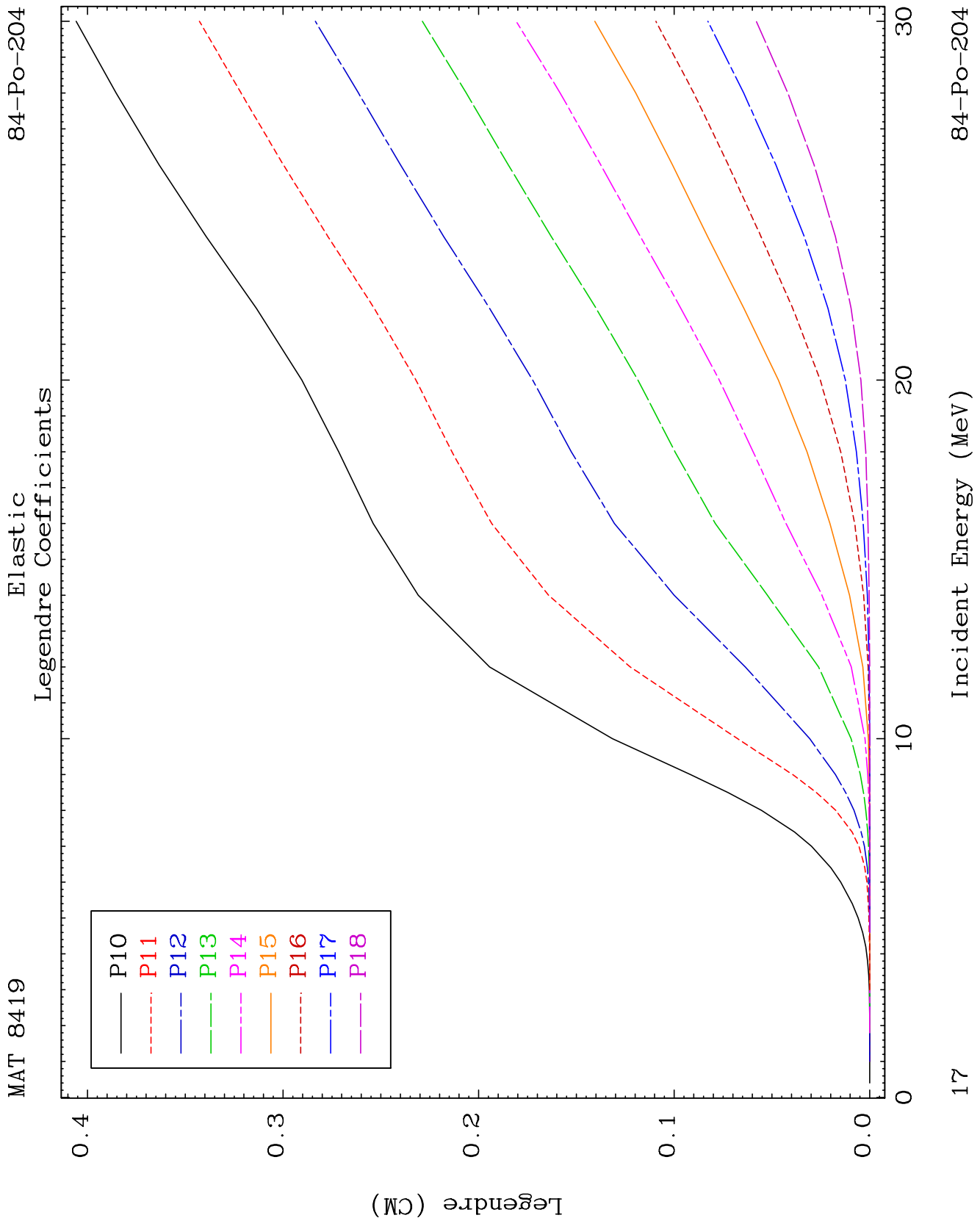
(n,α) Levels
293 Kelvin Cross Sections

84-Po-204





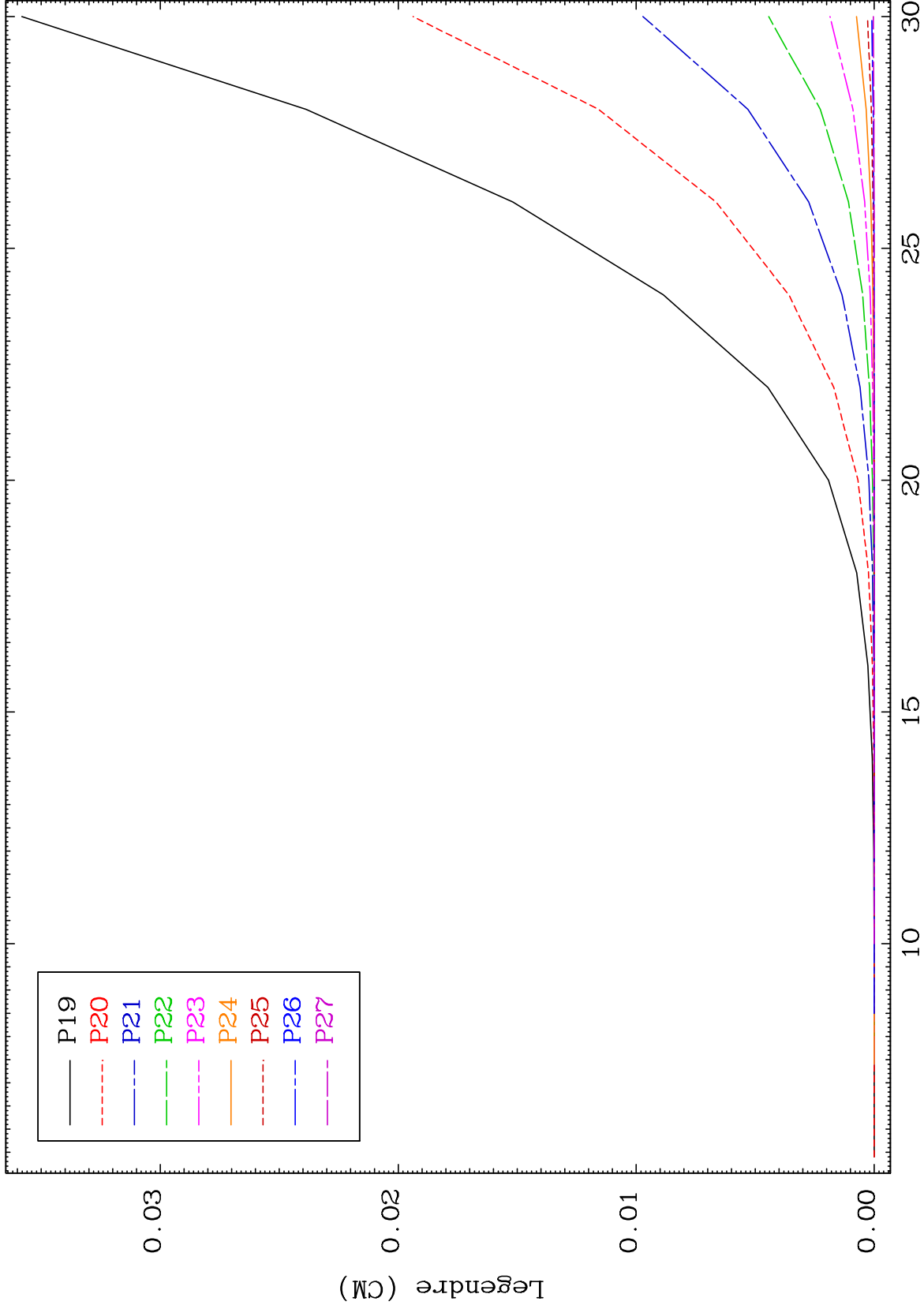




MAT 8419

Elastic
Legendre Coefficients

84-Po-204



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Incident Energy (MeV)

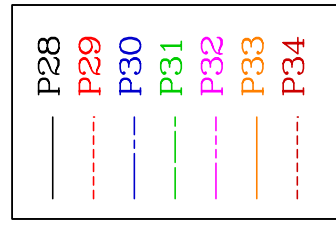
84-Po-204

Legendre (CM)

MAT 8419

Elastic
Legendre Coefficients

84-Po-204



$\times 10^{-5}$

1.2

1.0

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

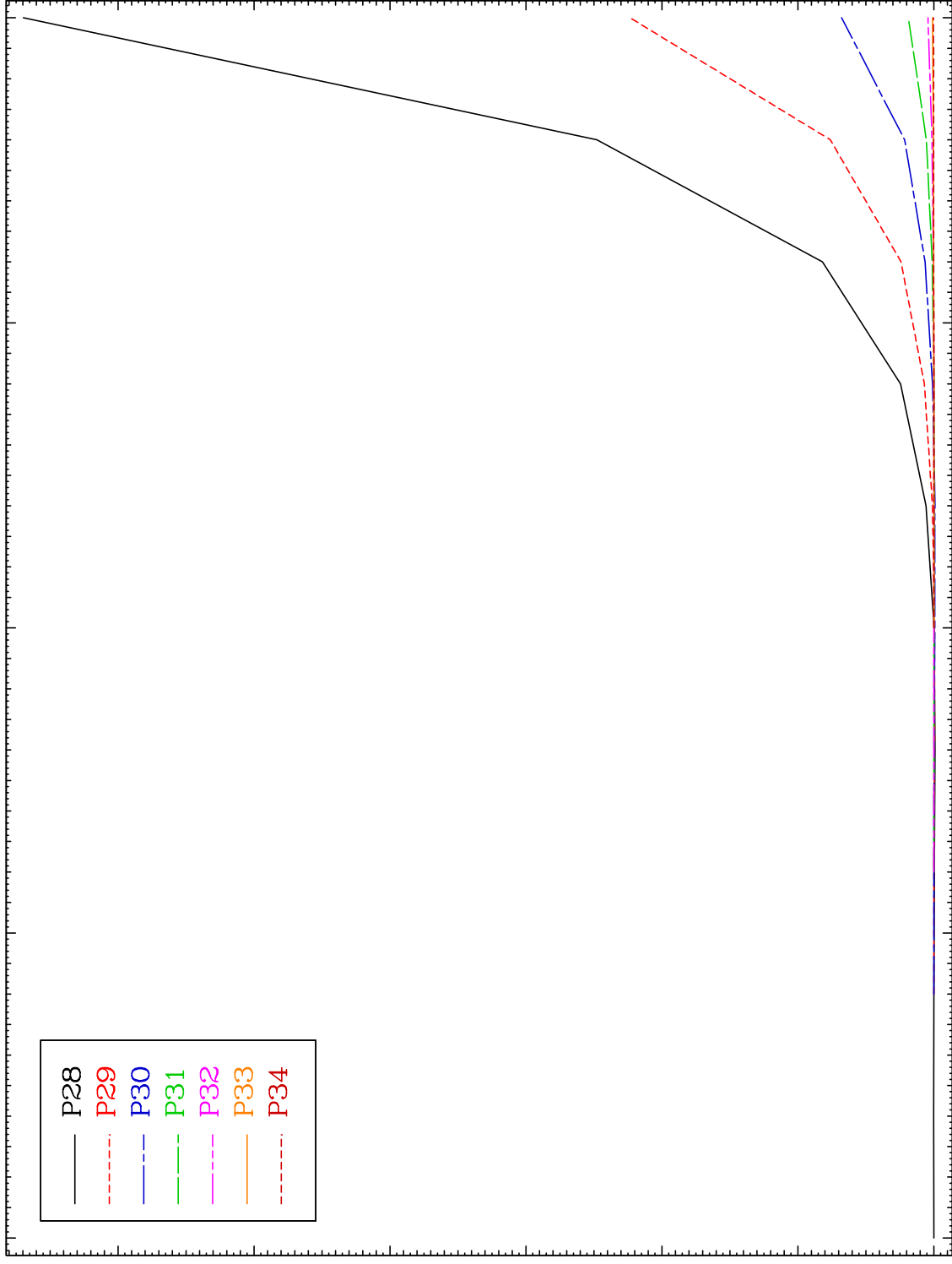
25

30

19

Incident Energy (MeV)

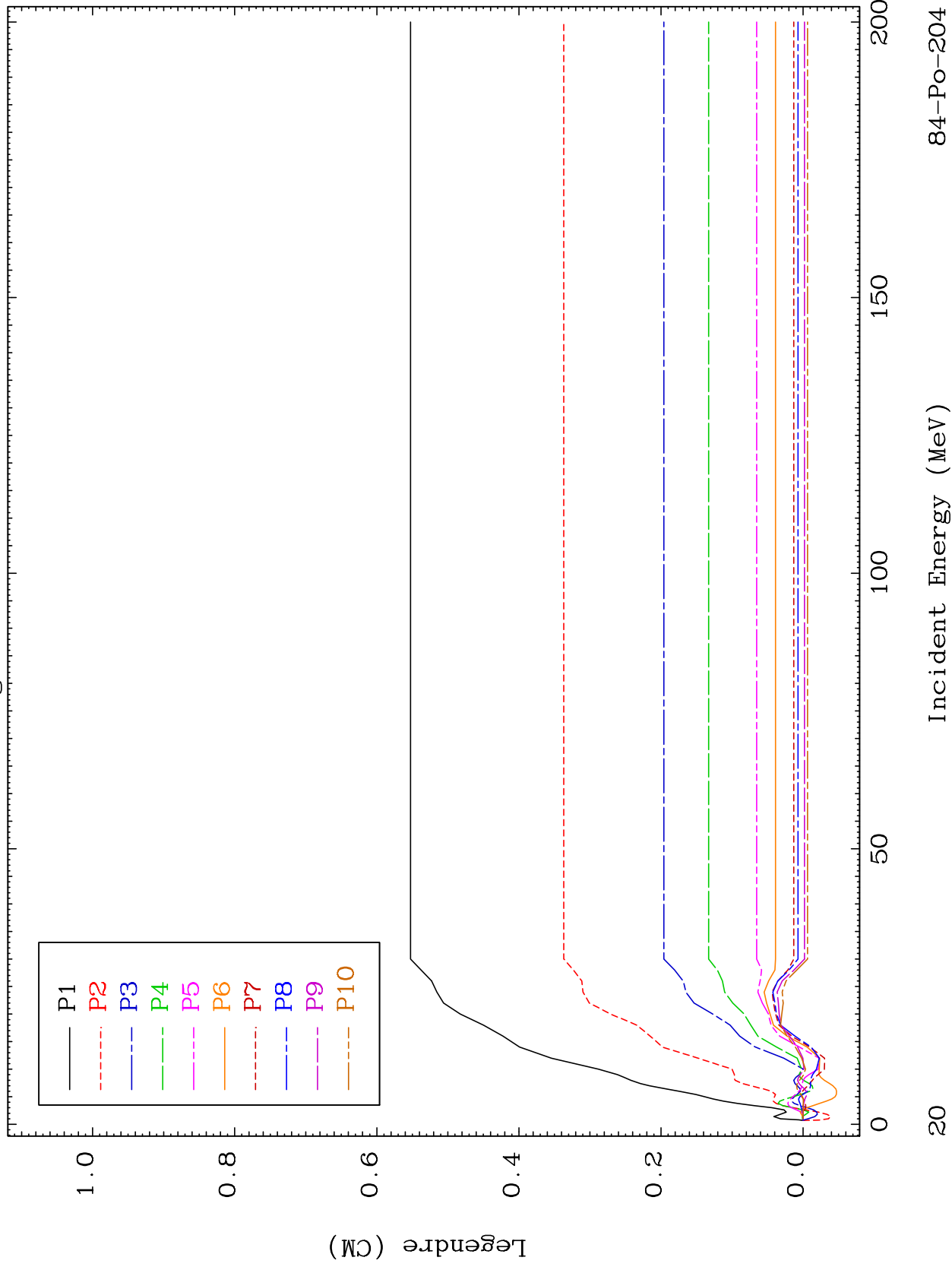
84-Po-204



MAT 8419

684.3 keV (n, n') Level
Legendre Coefficients

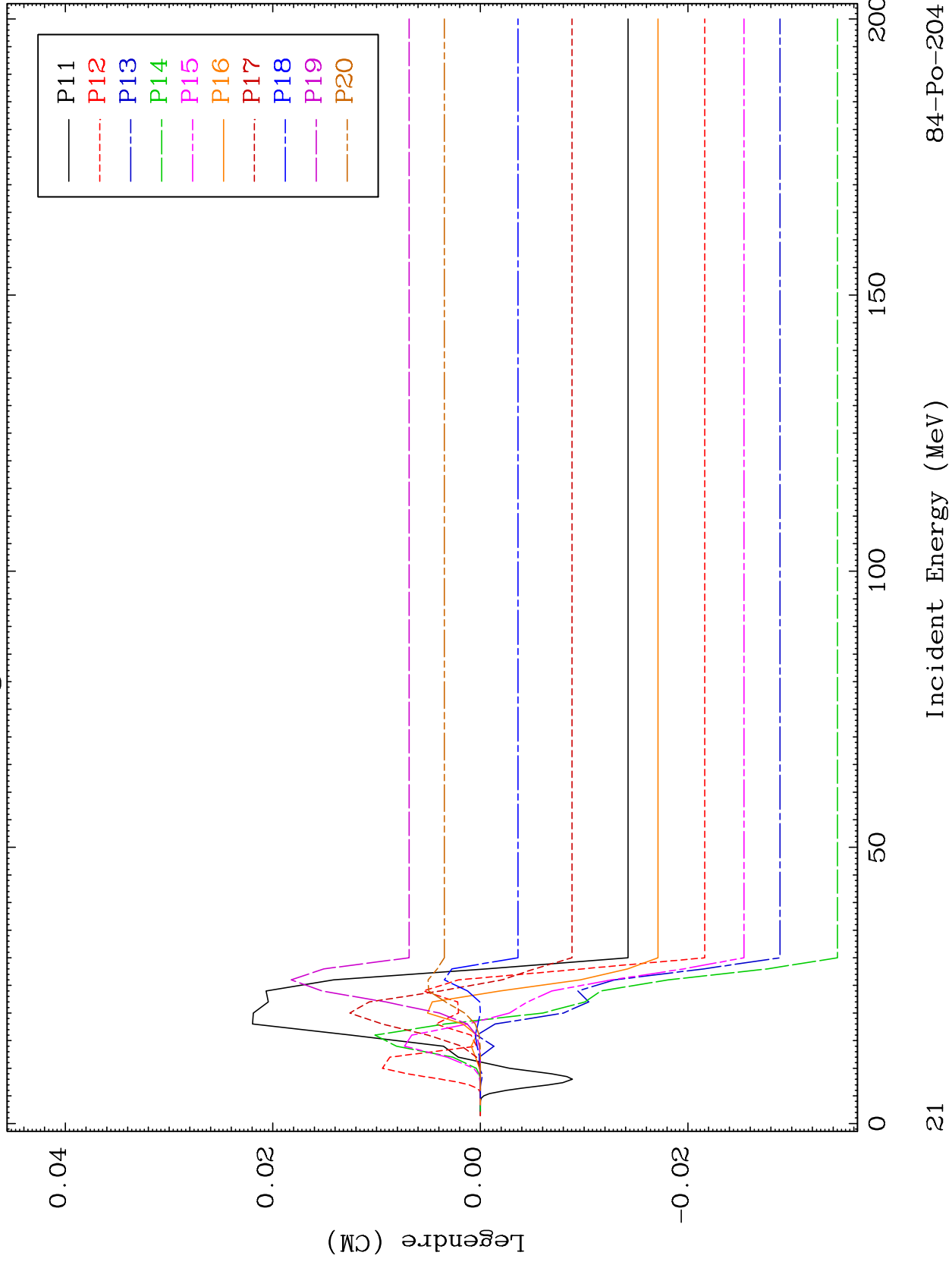
84-Po-204



MAT 8419

684.3 keV (n,n') Level
Legendre Coefficients

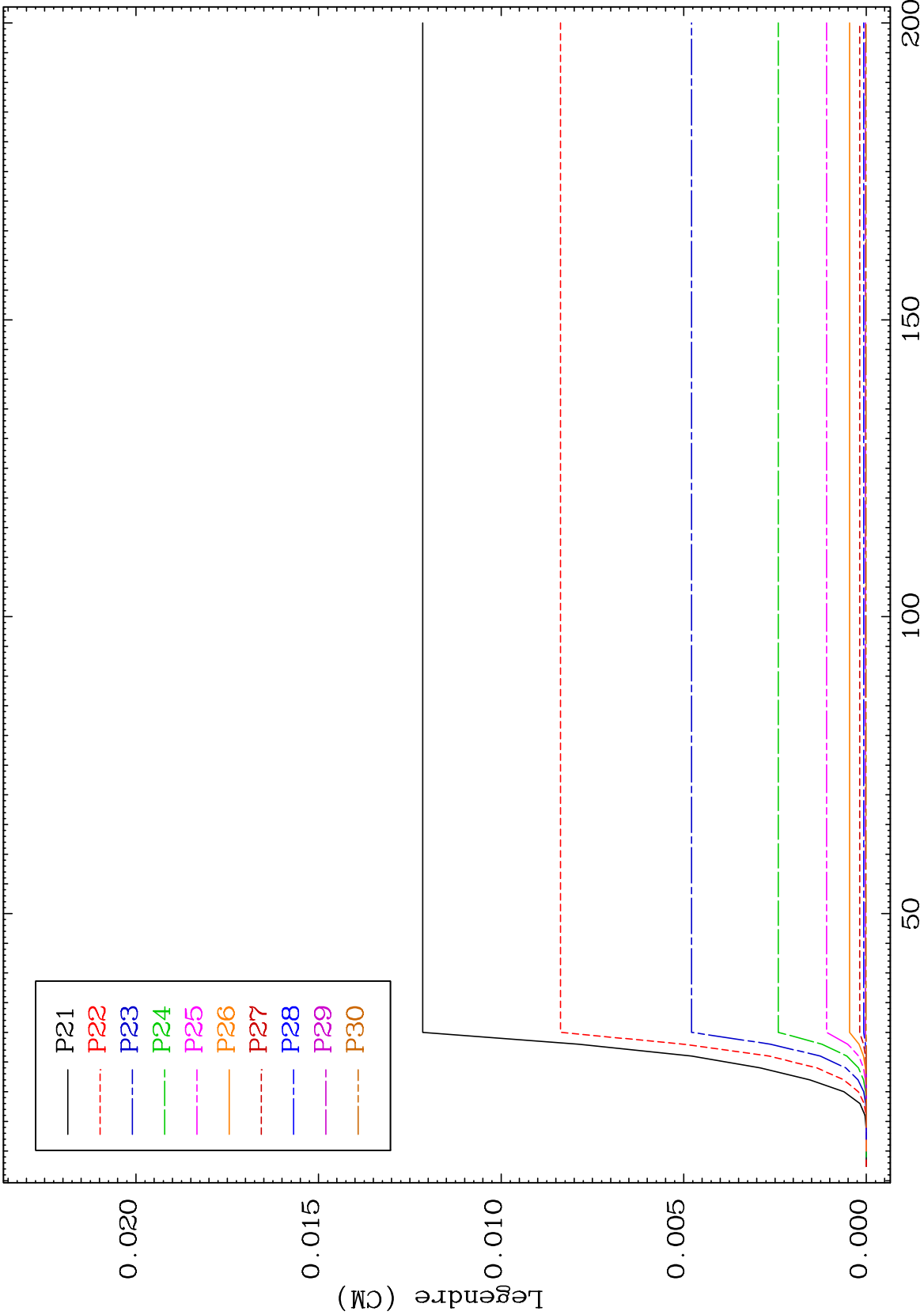
84-Po-204



21

Incident Energy (MeV)

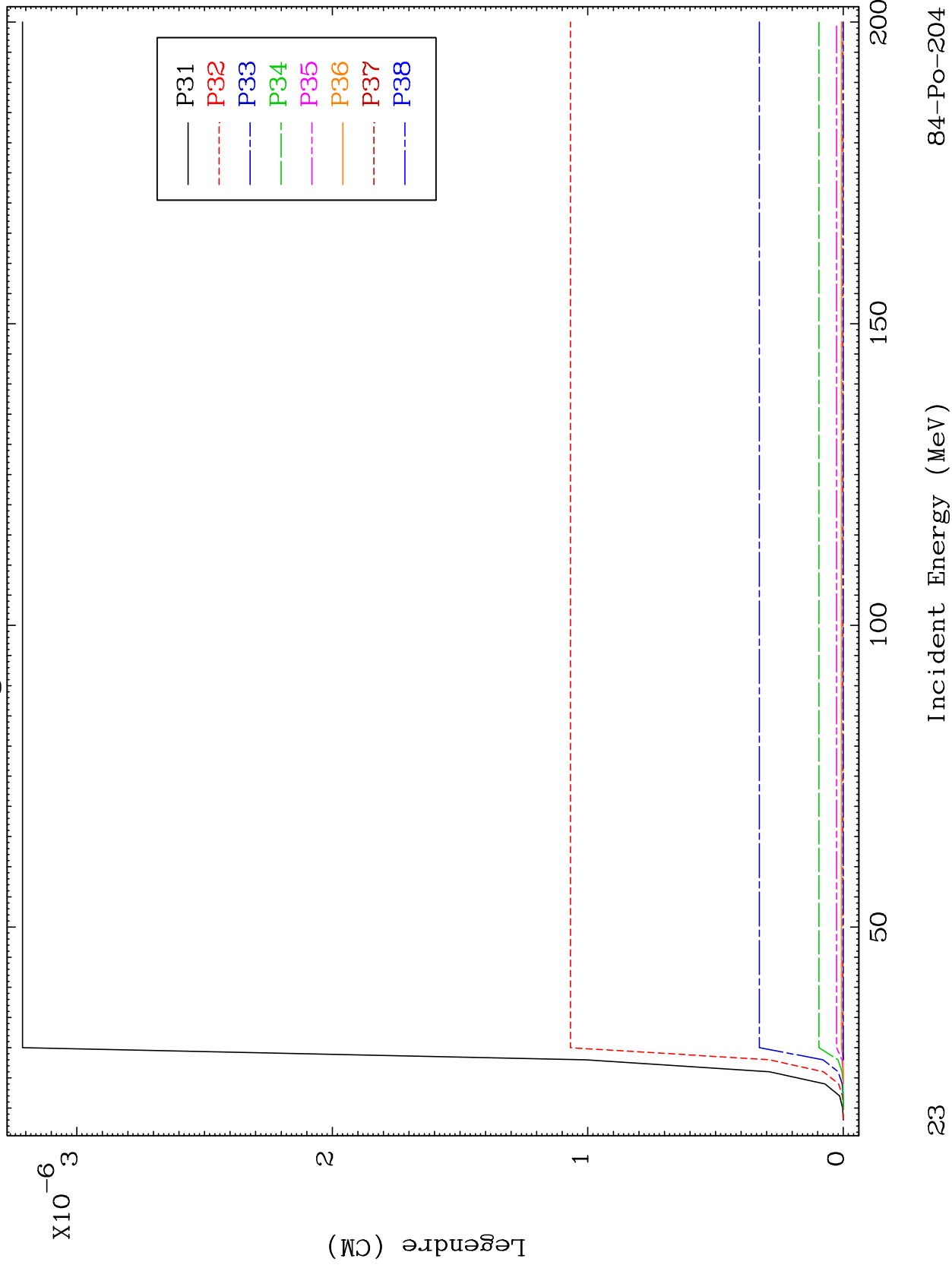
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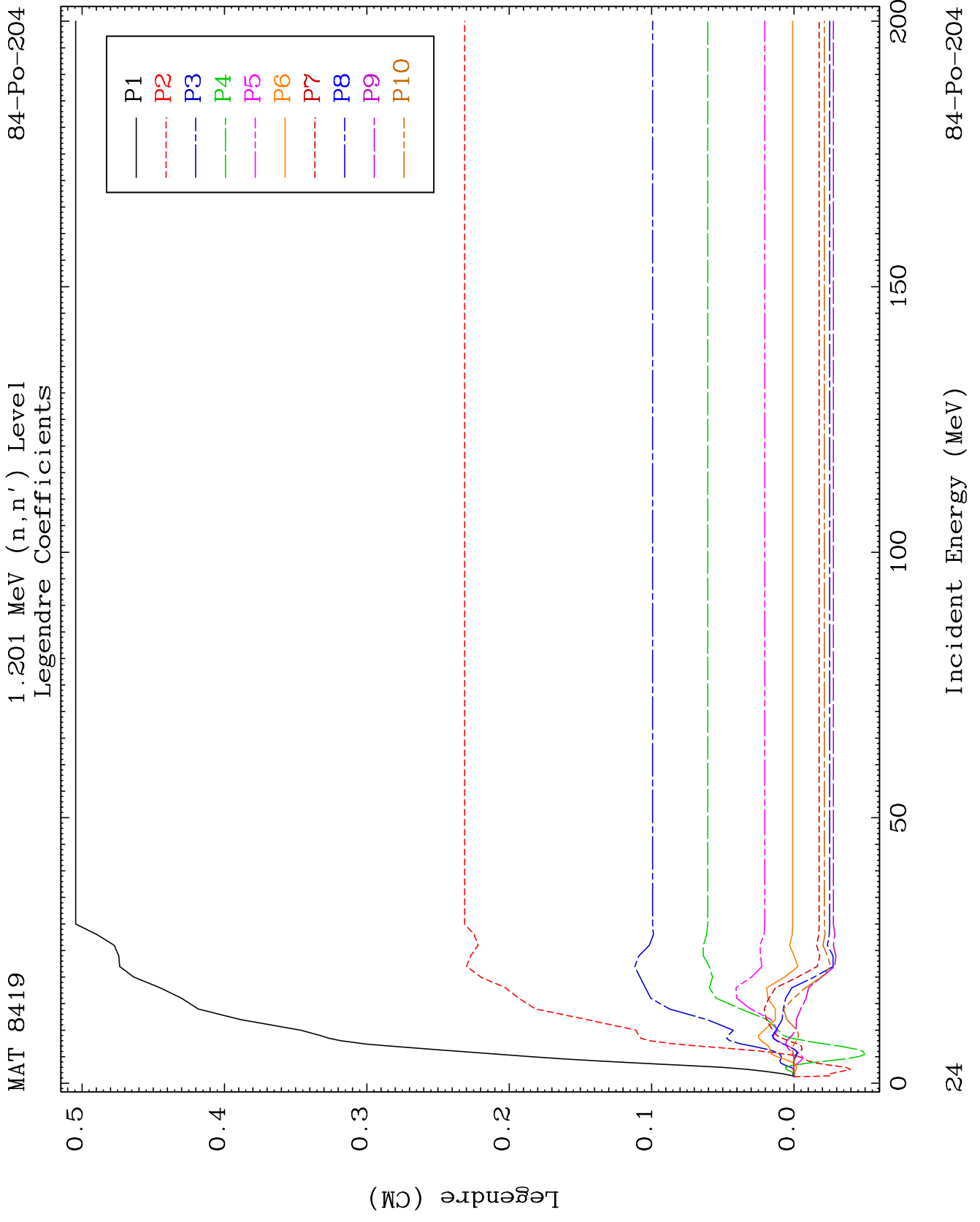


MAT 8419

684.3 keV (n,n') Level
Legendre Coefficients

84-Po-204

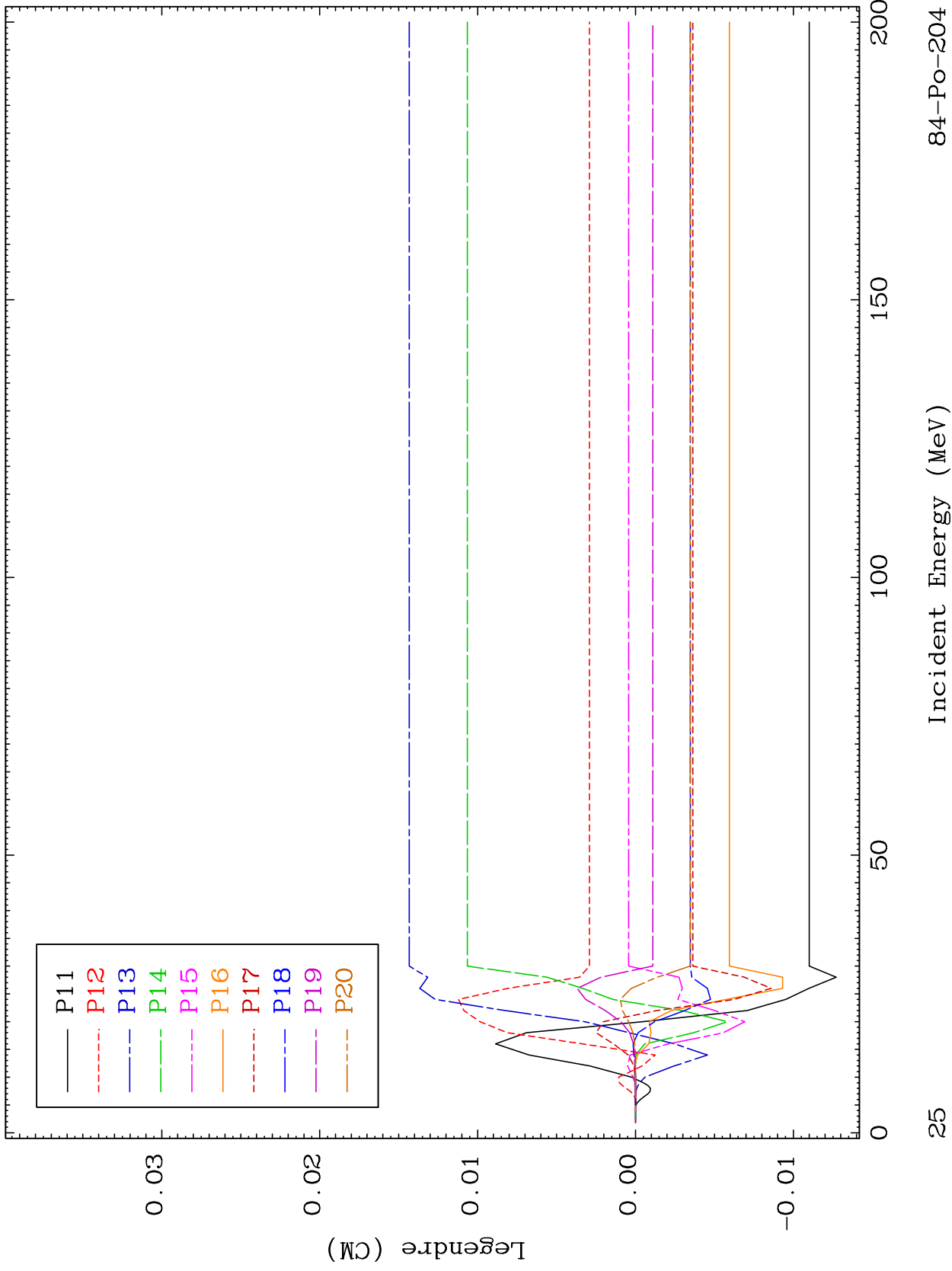




MAT 8419

1.201 MeV (n,n') Level
Legendre Coefficients

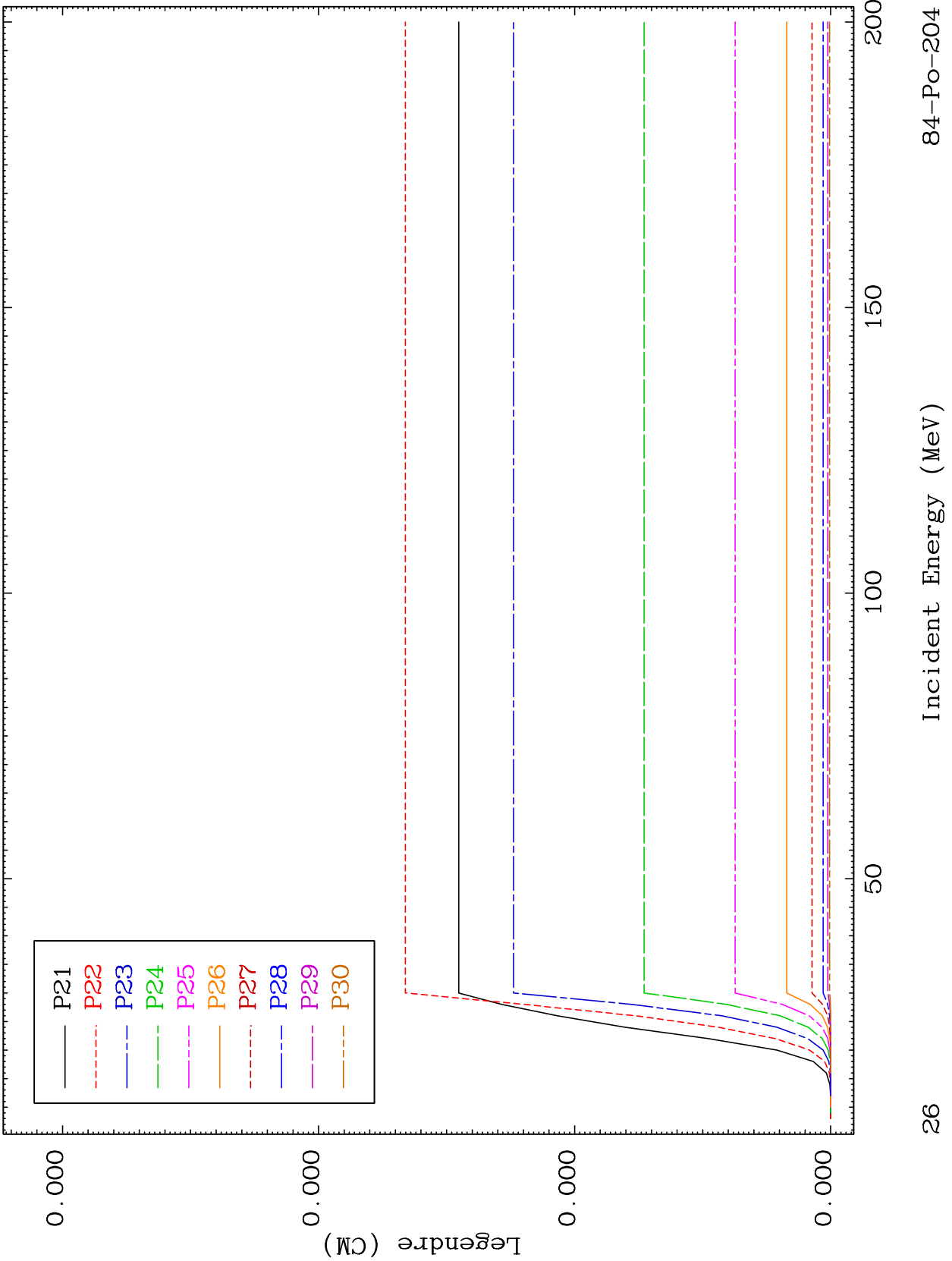
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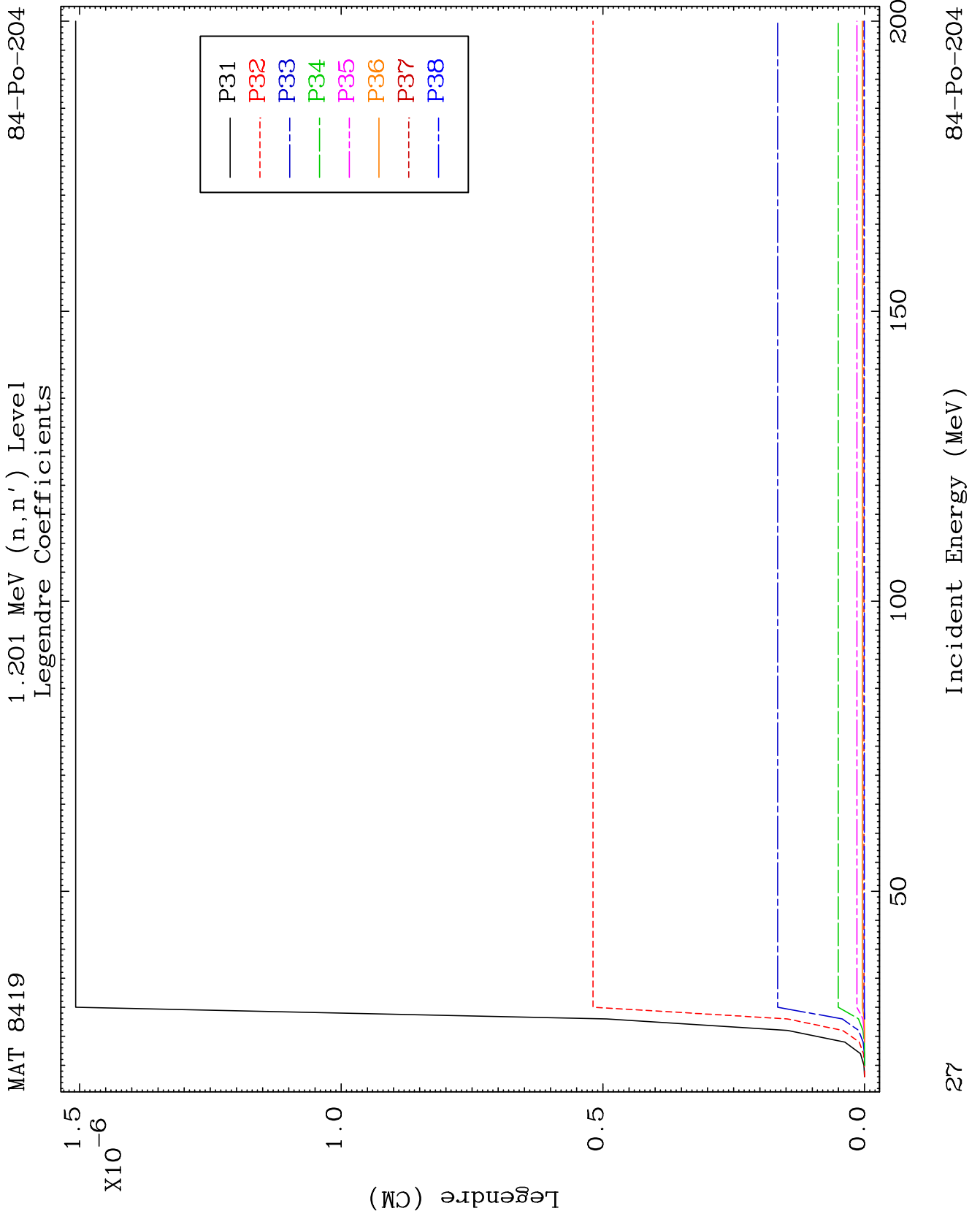


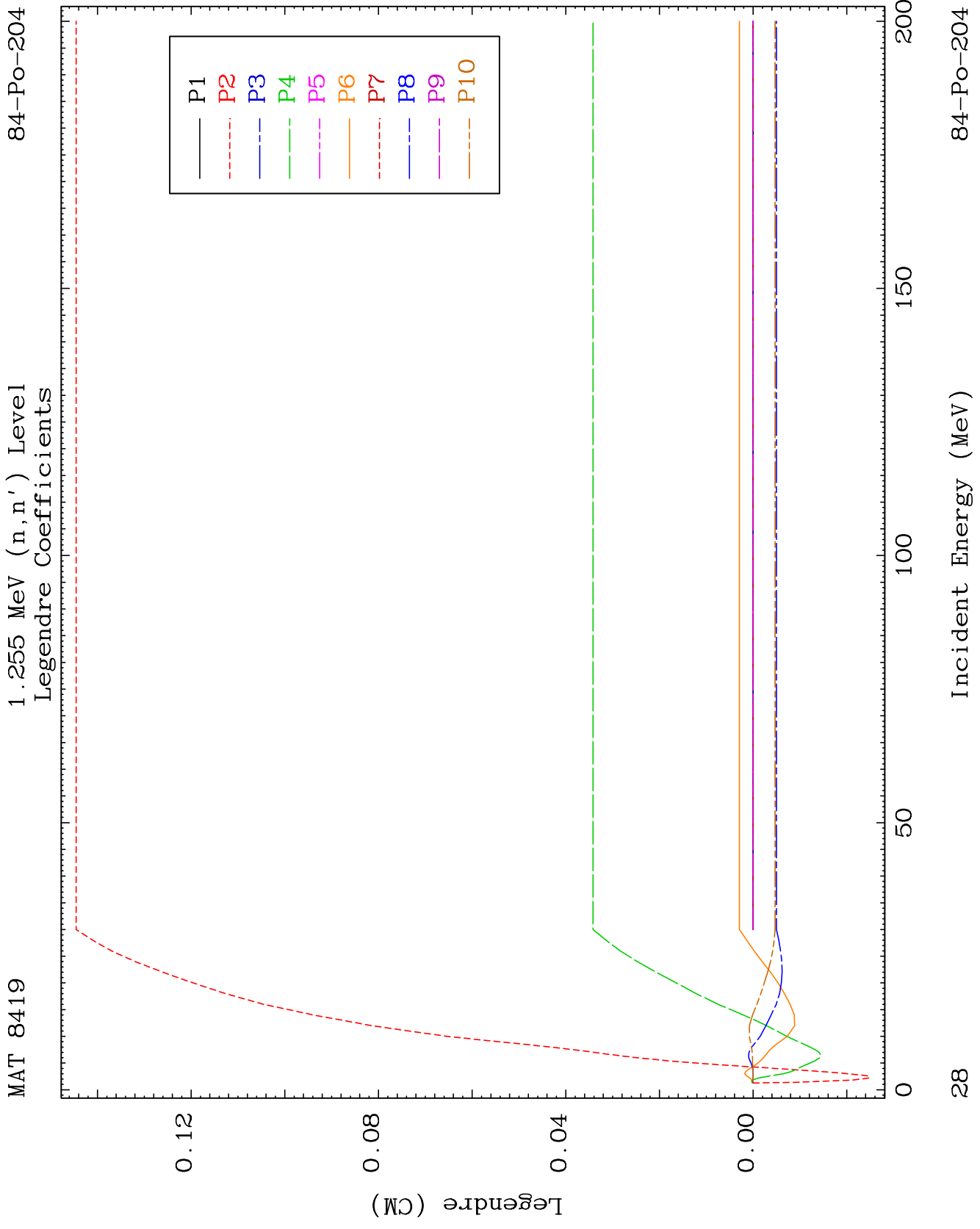
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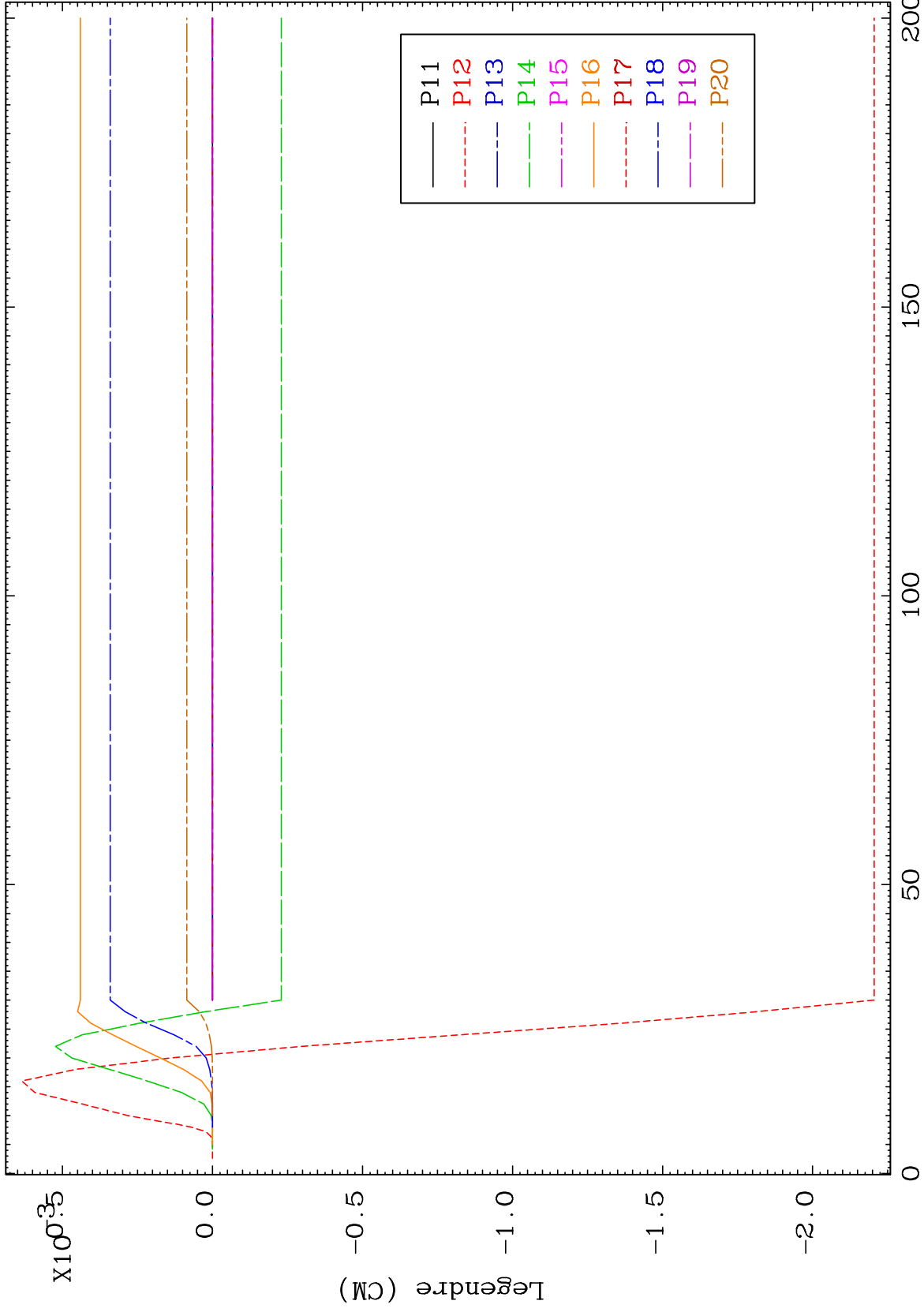
Incident Energy (MeV)

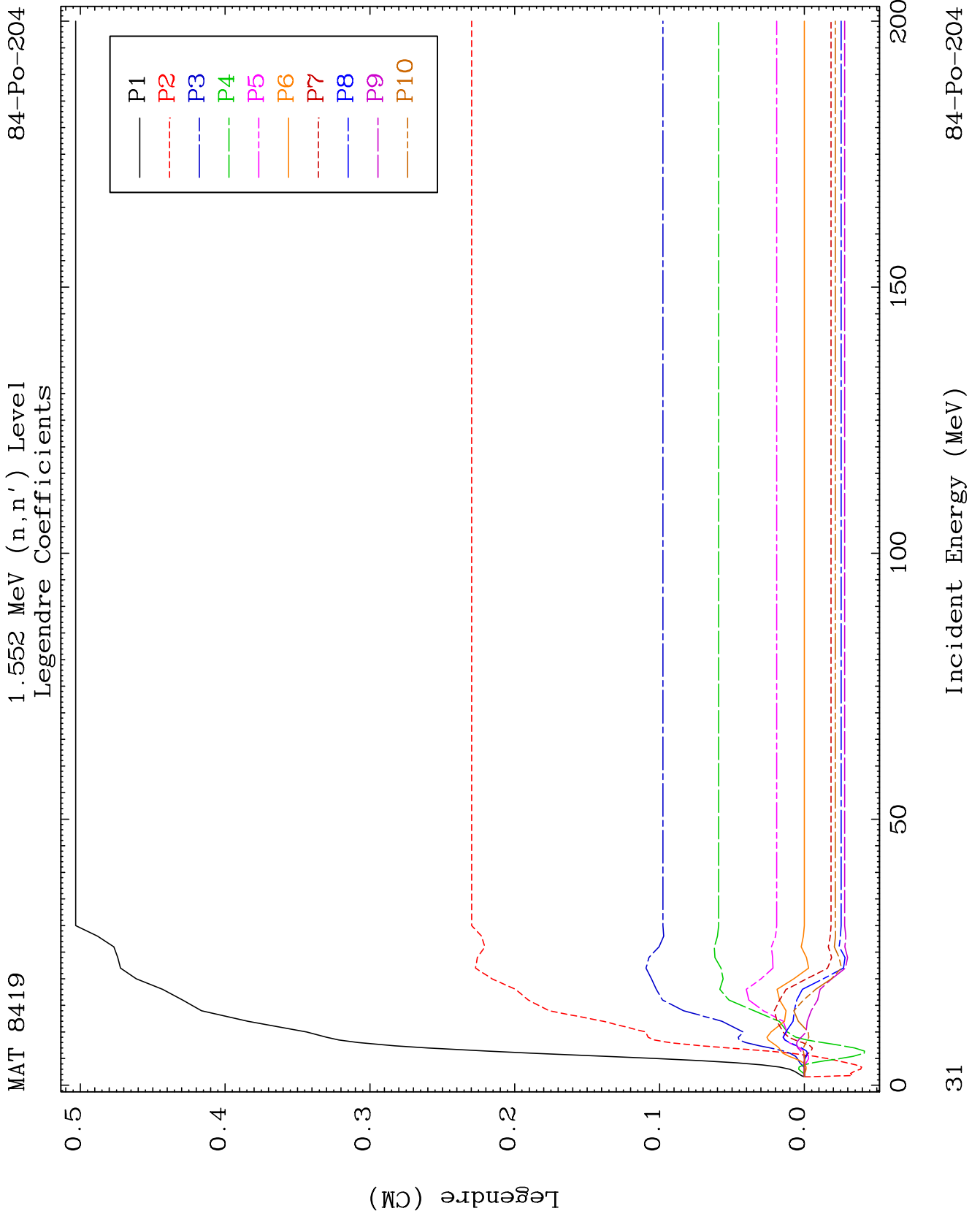
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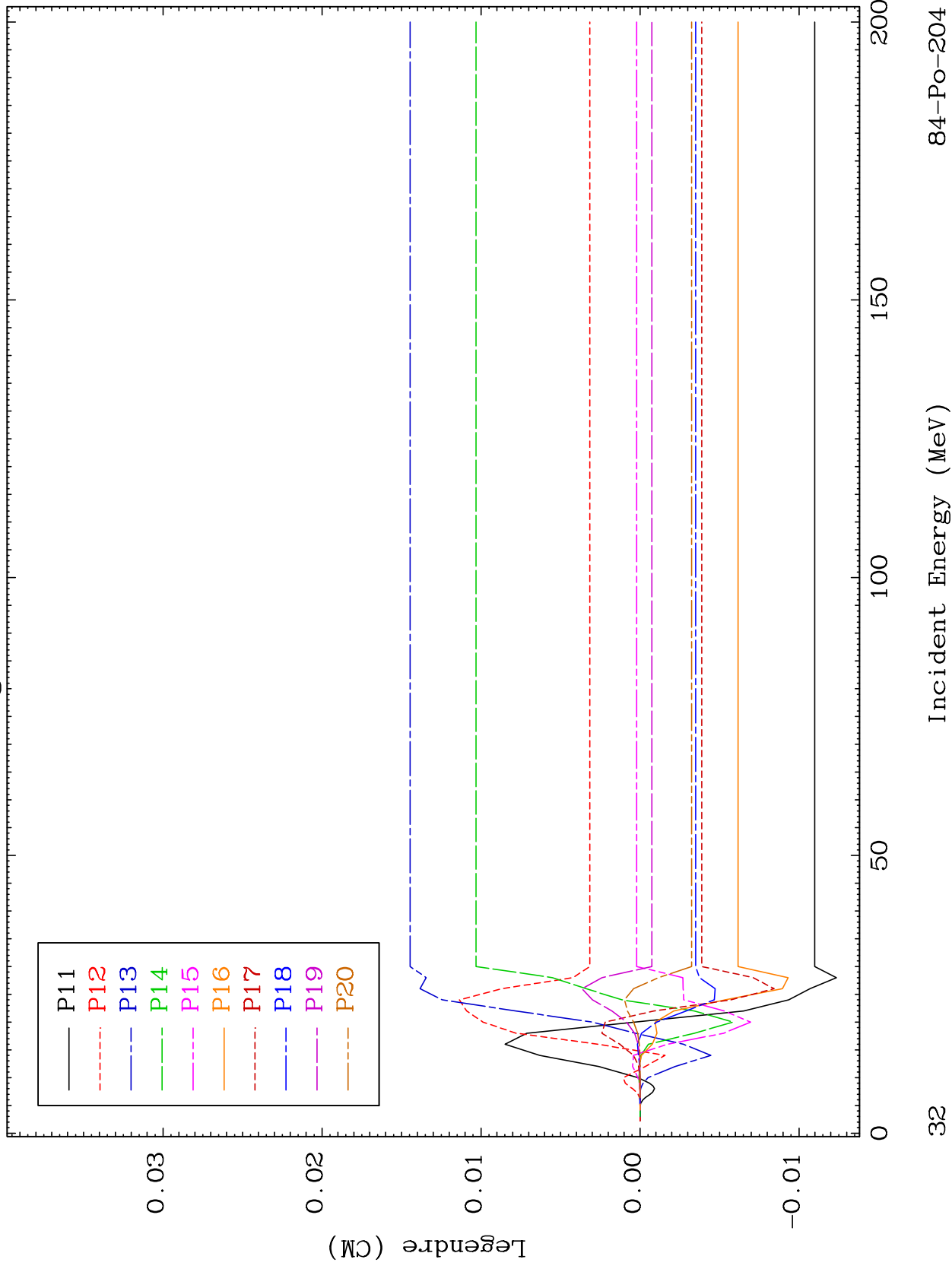




MAT 8419

1.552 MeV (n, n') Level
Legendre Coefficients

84-Po-204



32

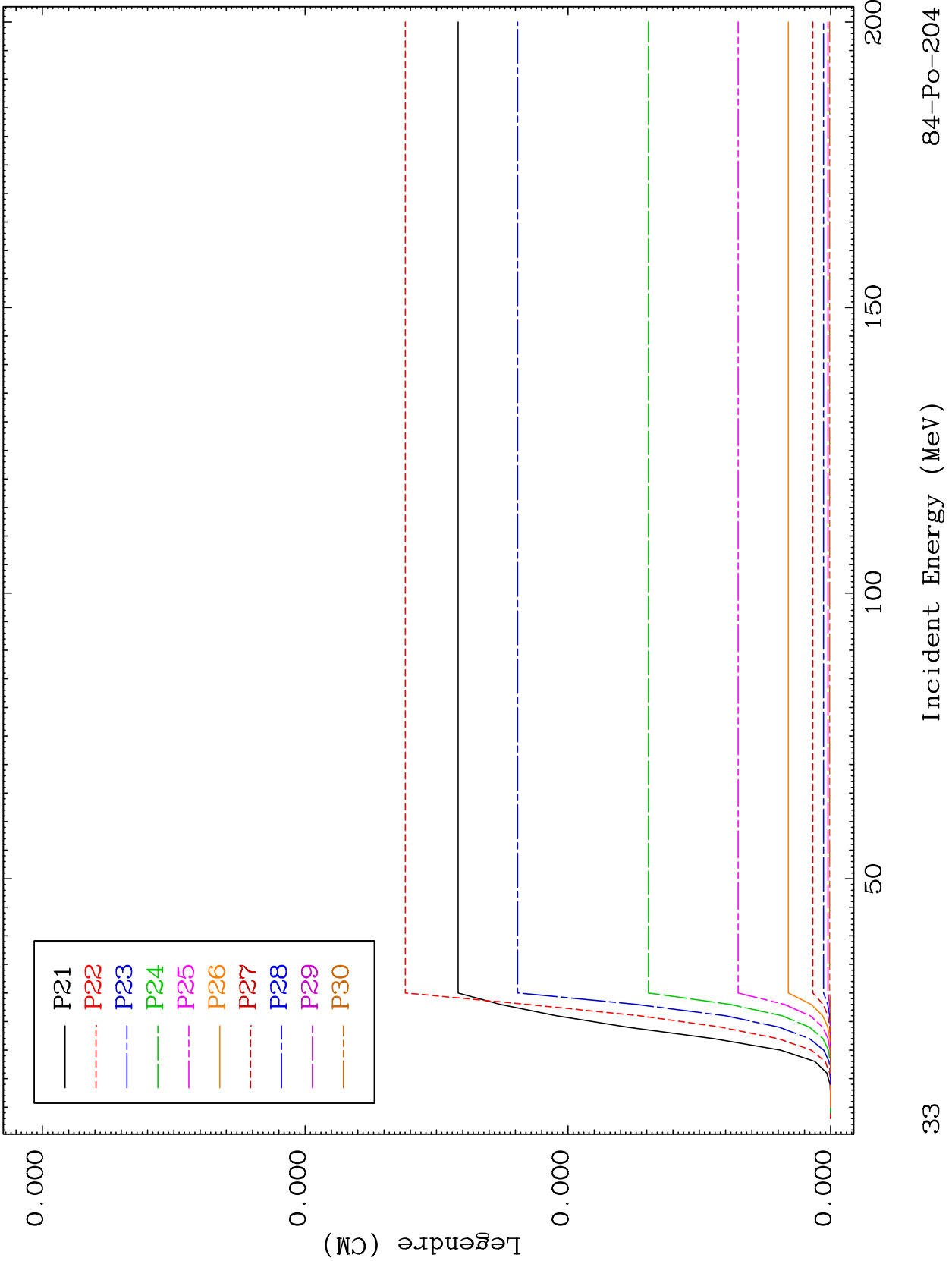
Incident Energy (MeV)

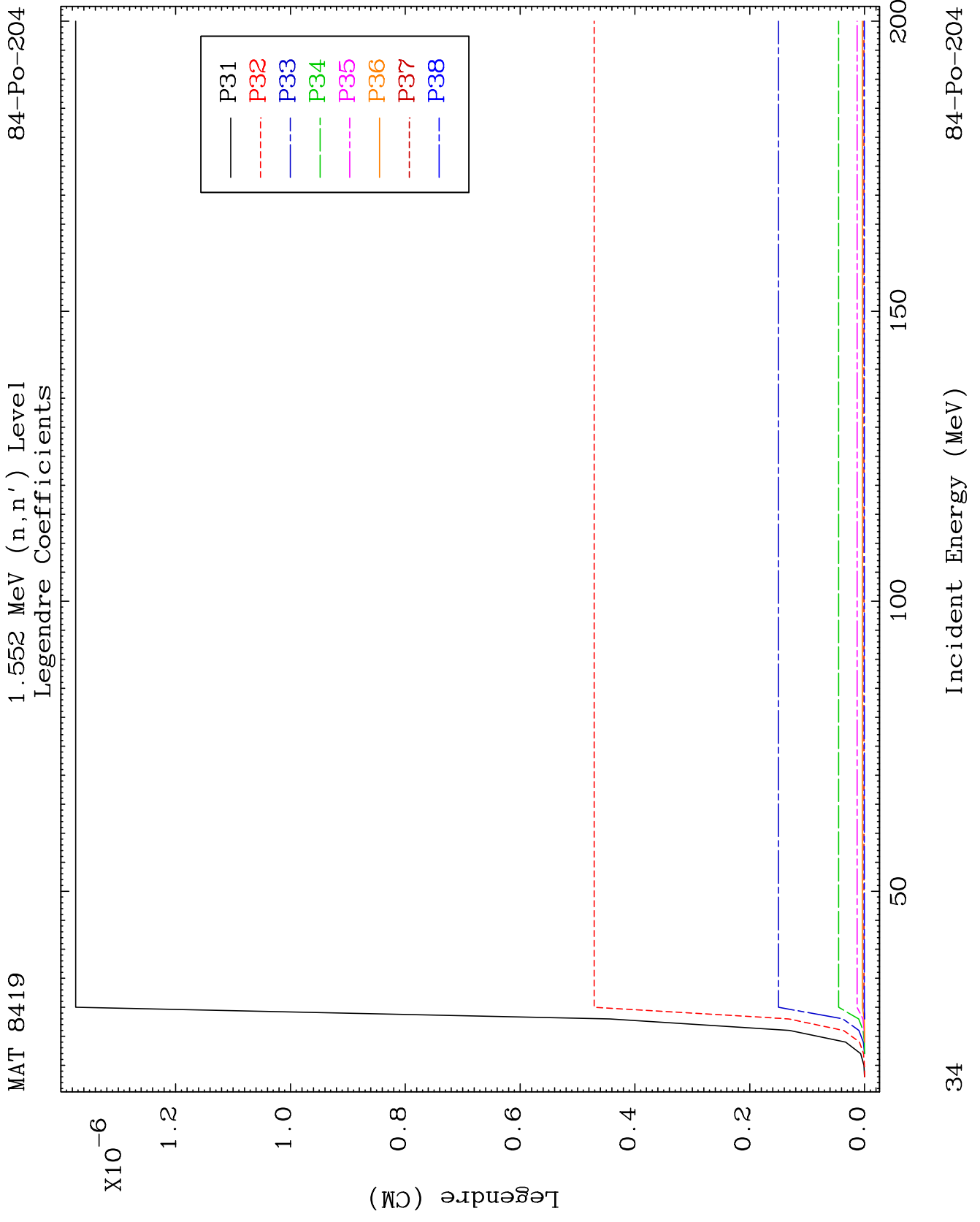
84-Po-204

MAT 8419

1.552 MeV (n,n') Level
Legendre Coefficients

84-Po-204

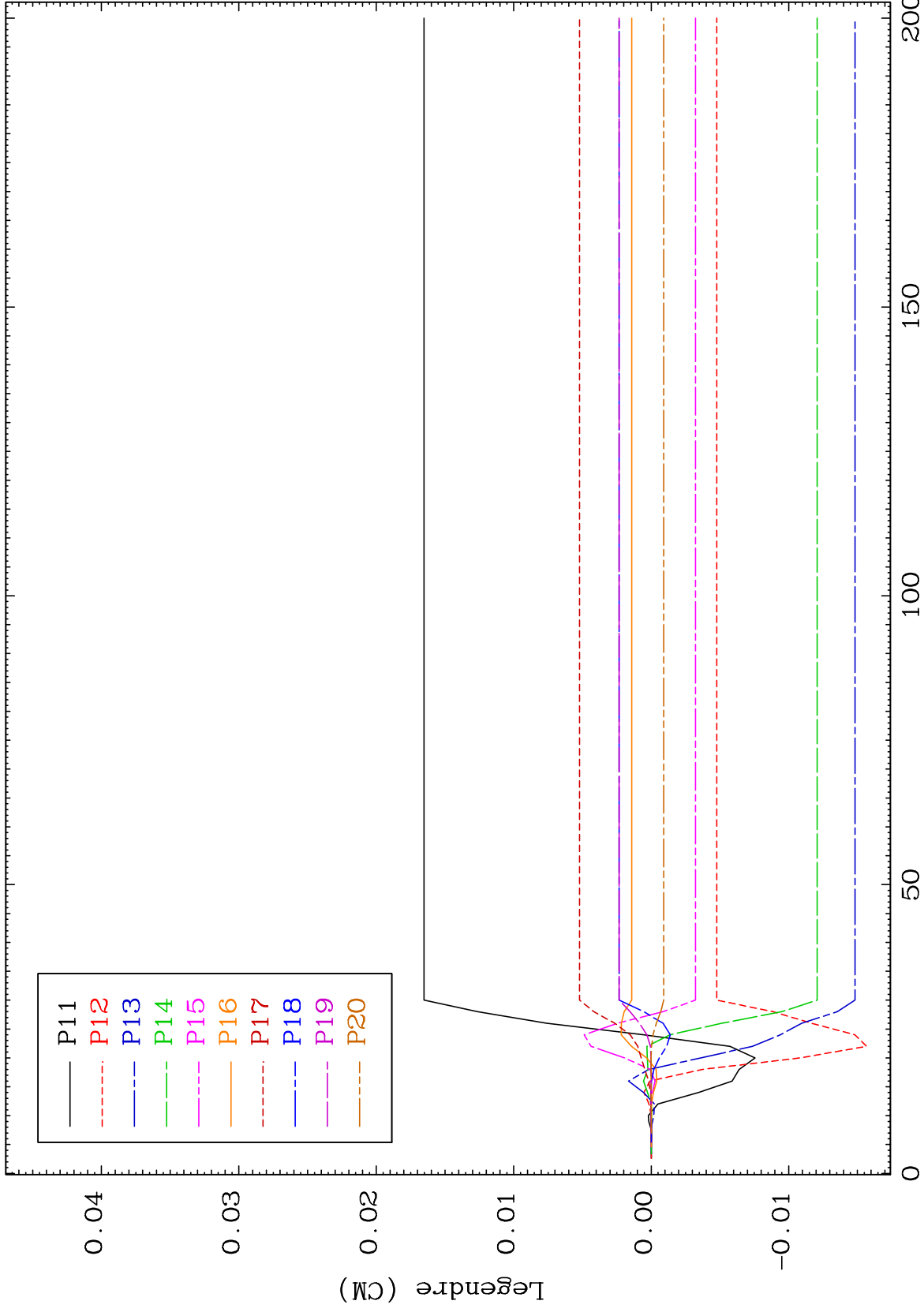




MAT 8419

1.627 MeV (n,n') Level
Legendre Coefficients

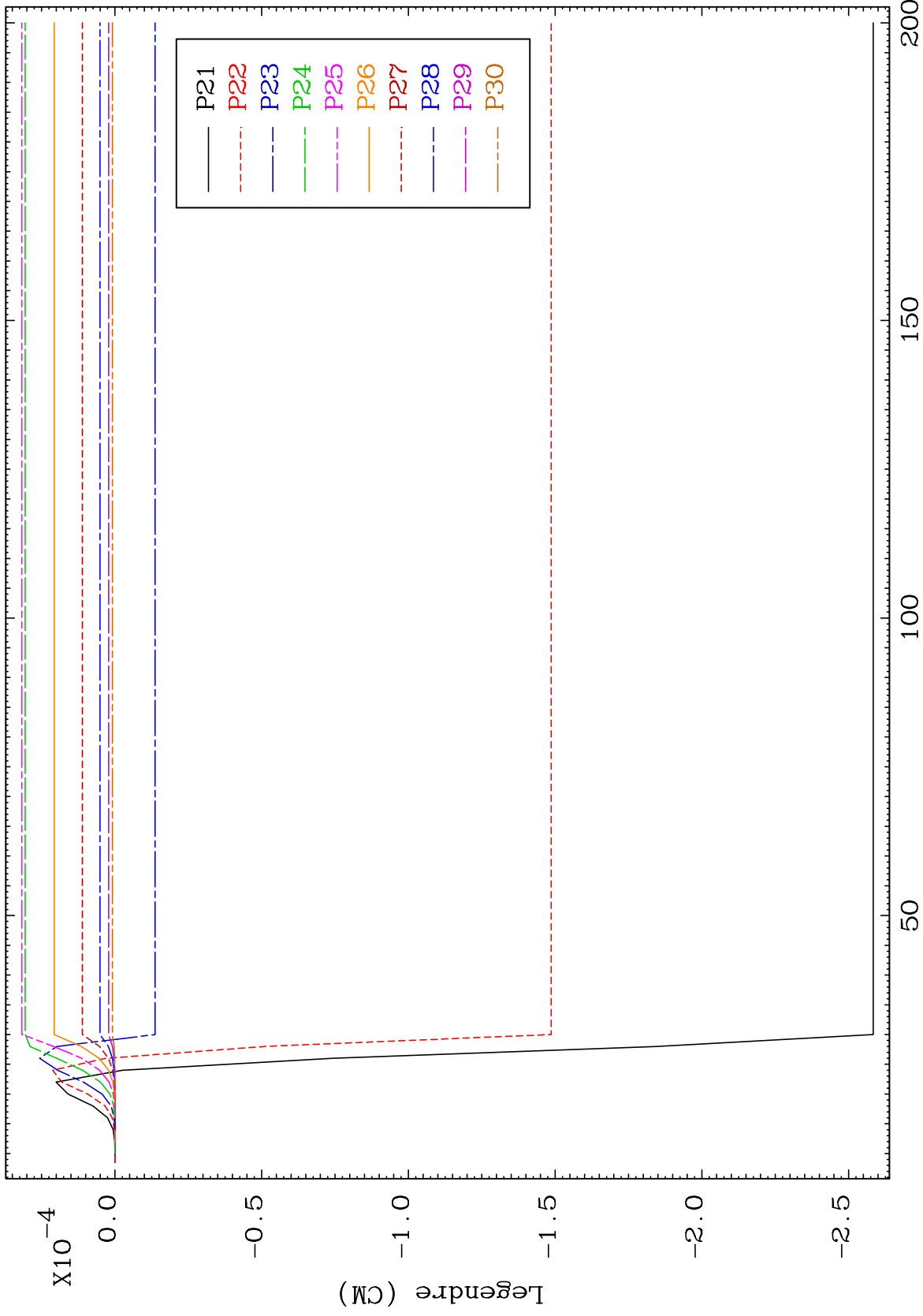
84-Po-204



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Incident Energy (MeV)

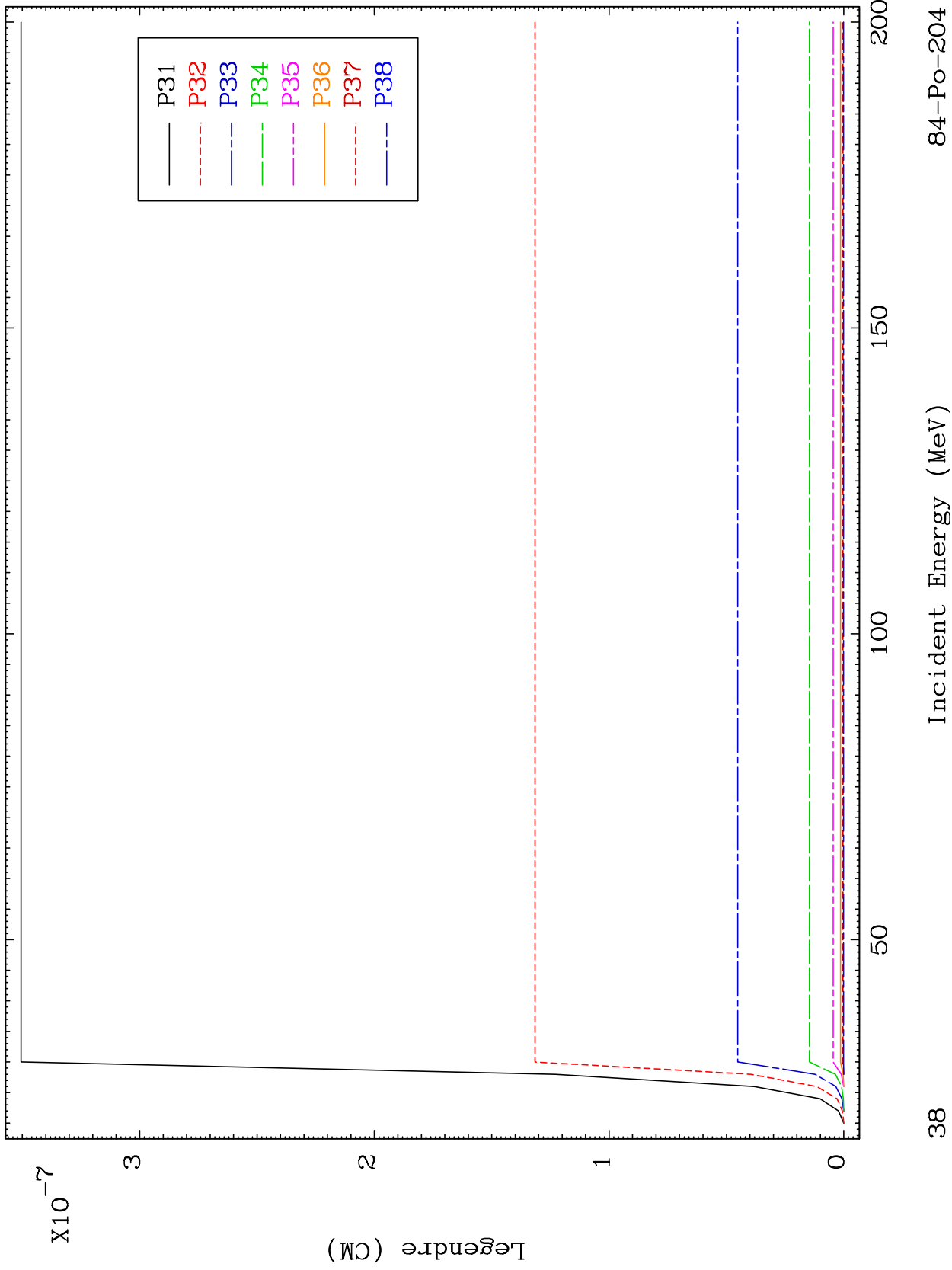
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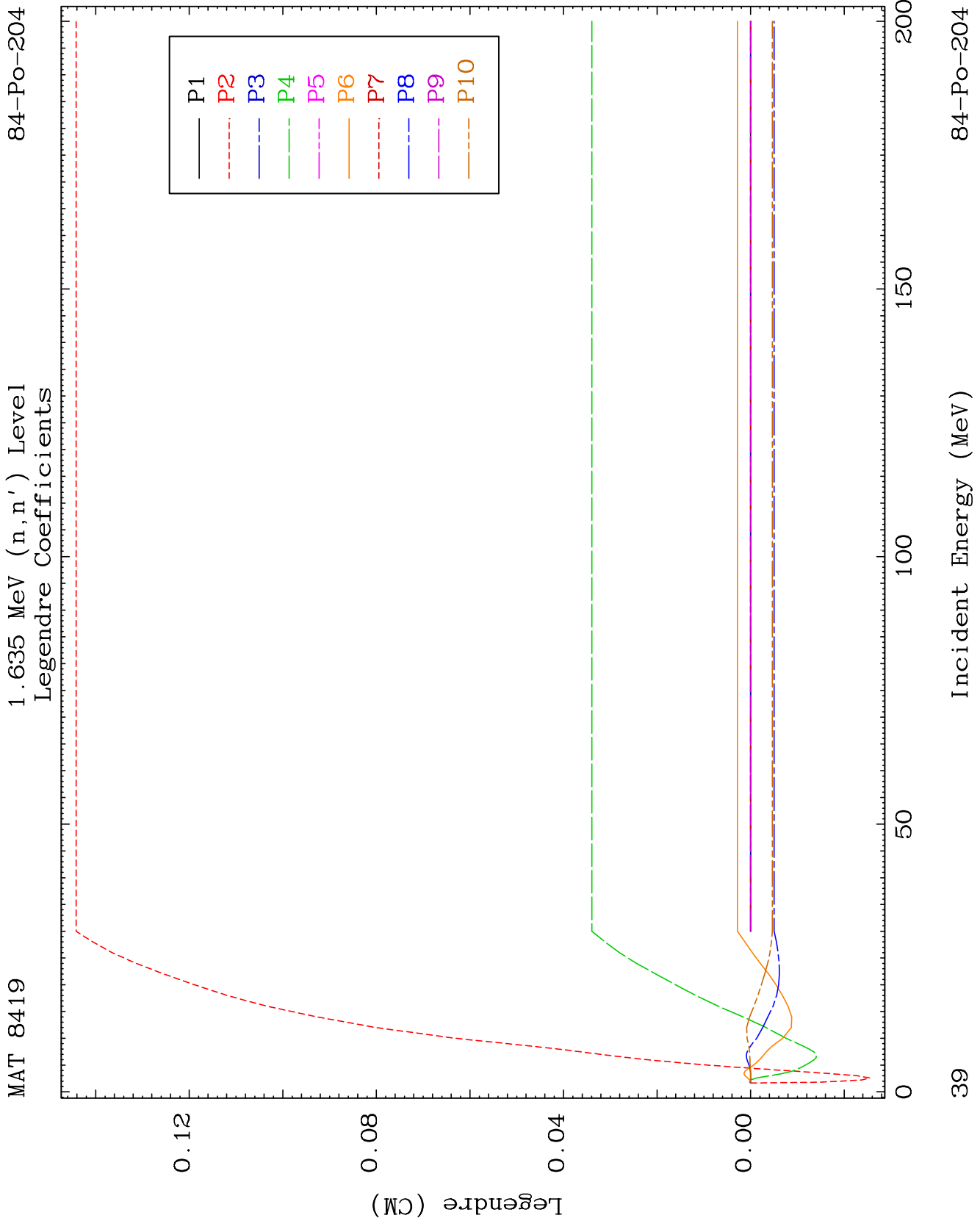


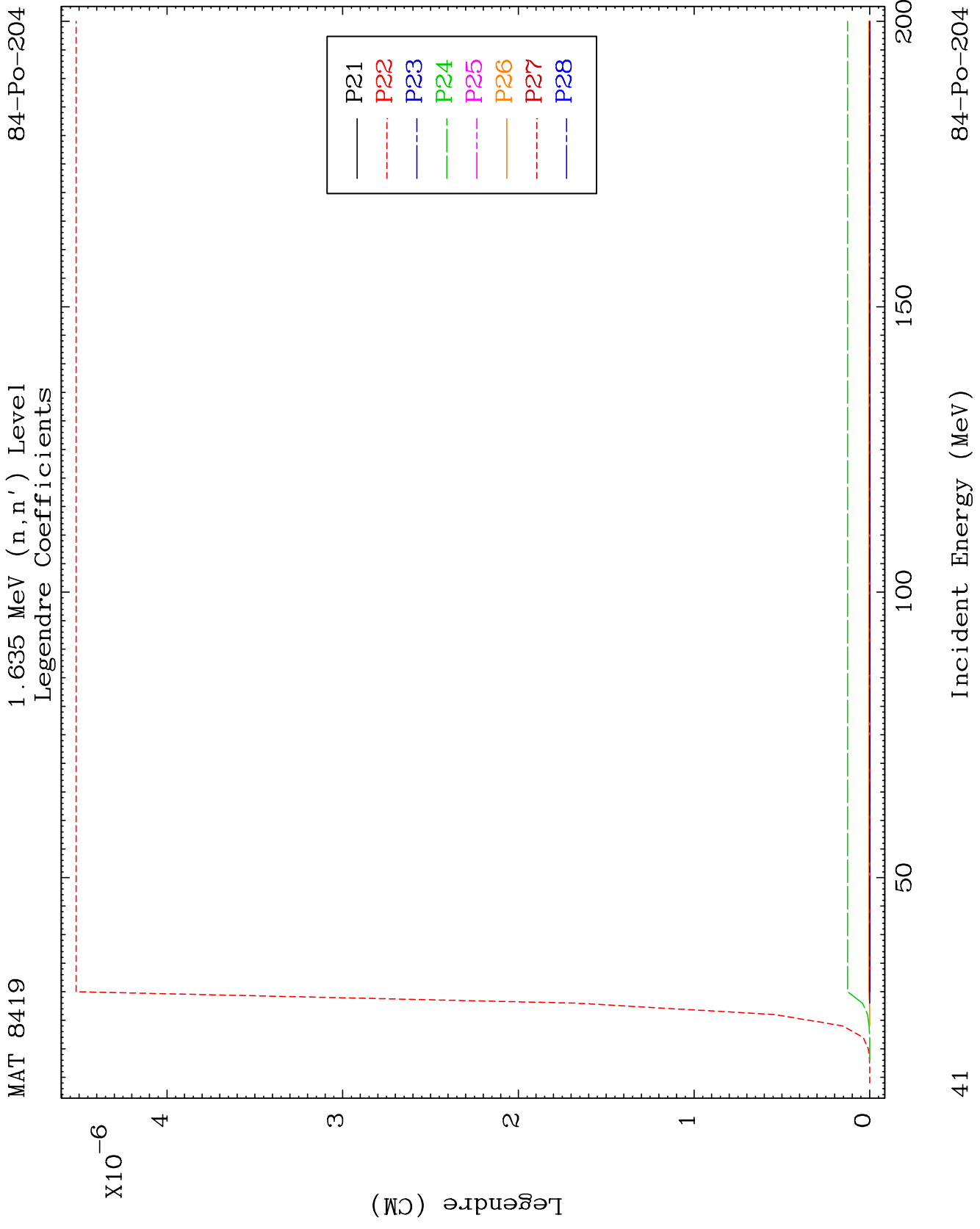
MAT 8419

1.627 MeV (n,n') Level
Legendre Coefficients

84-Po-204



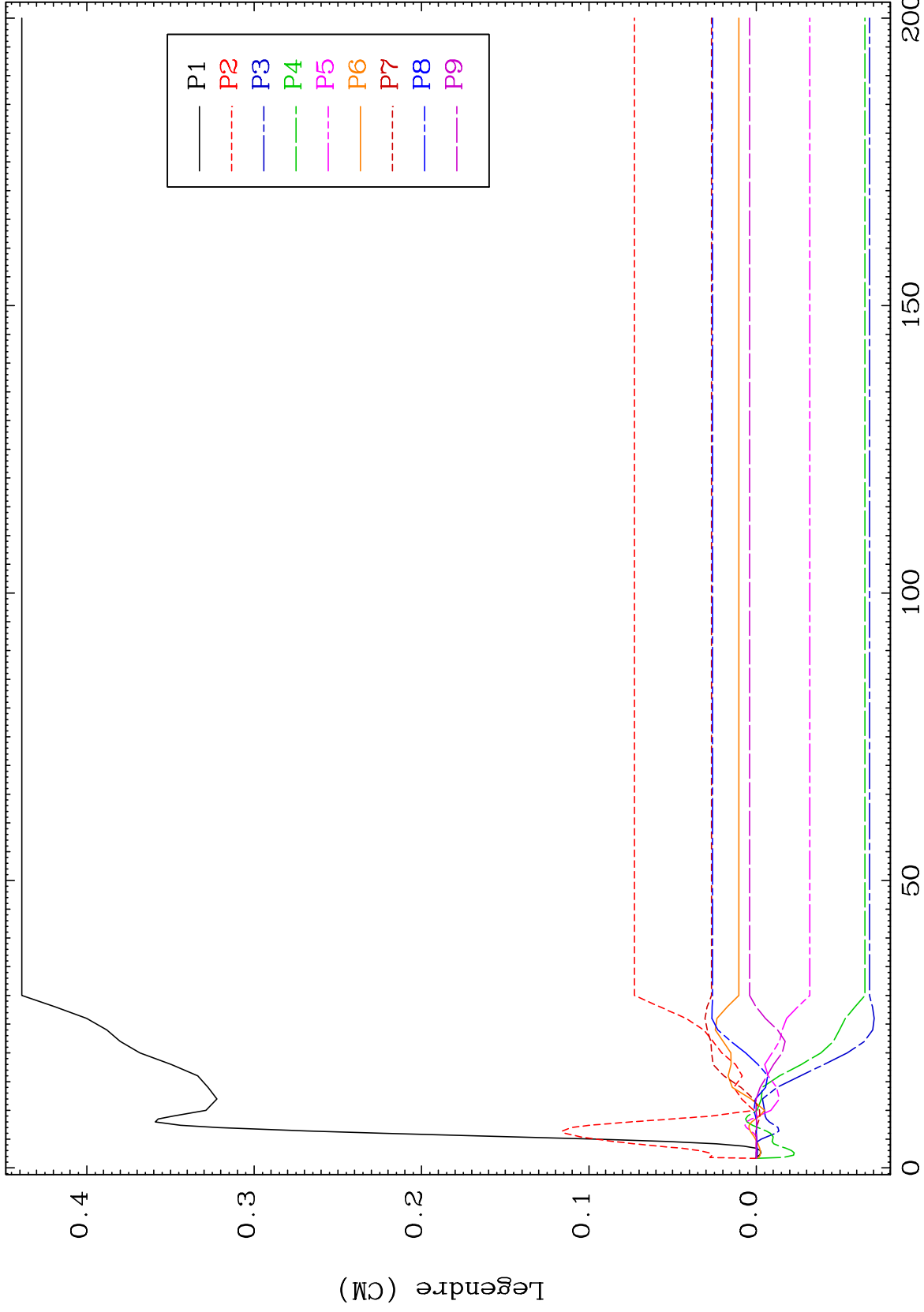




MAT 8419

1.639 MeV (n,n') Level
Legendre Coefficients

84-Po-204



42

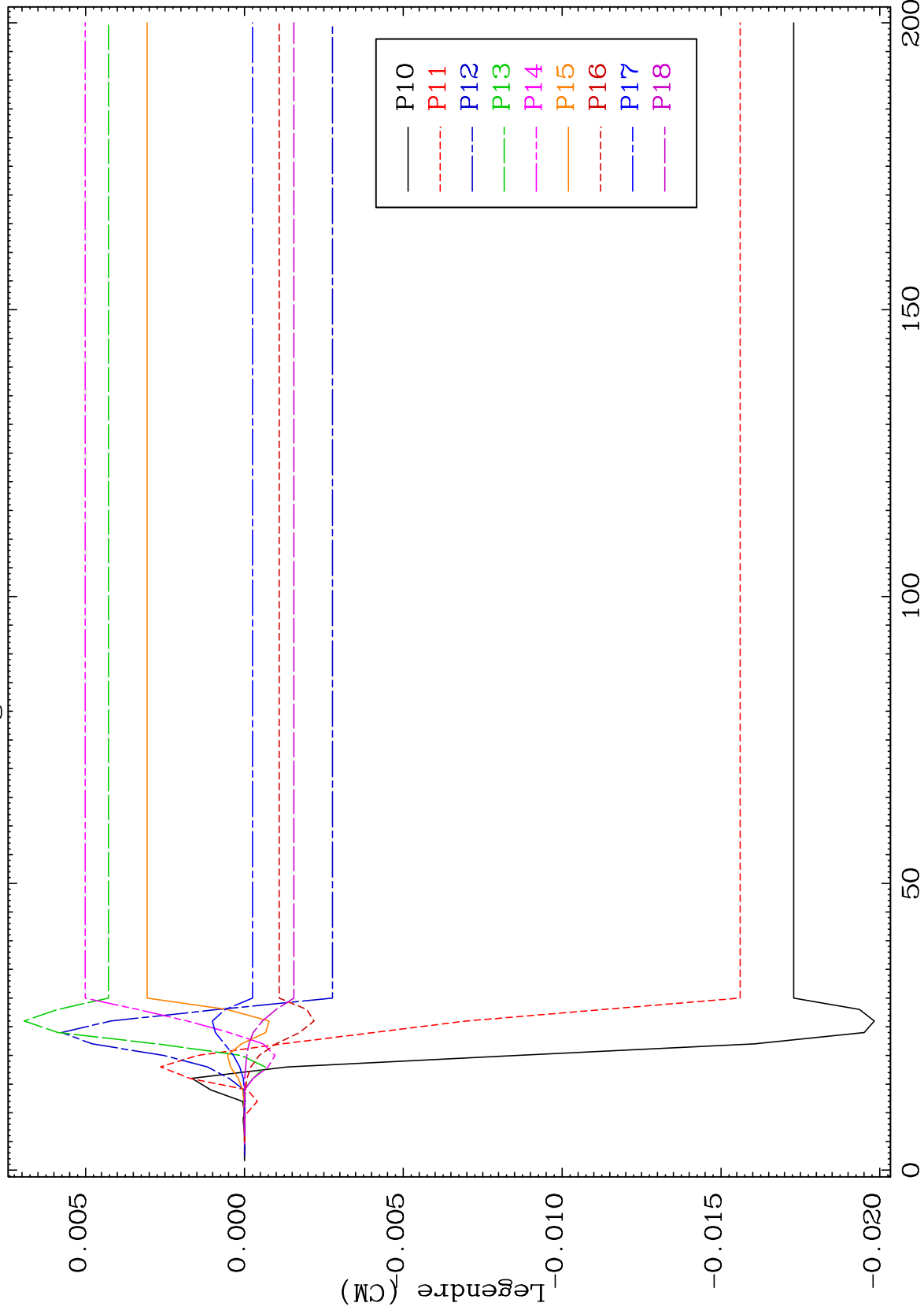
Incident Energy (MeV)

84-Po-204

MAT 8419

1.639 MeV (n,n') Level
Legendre Coefficients

84-Po-204



43

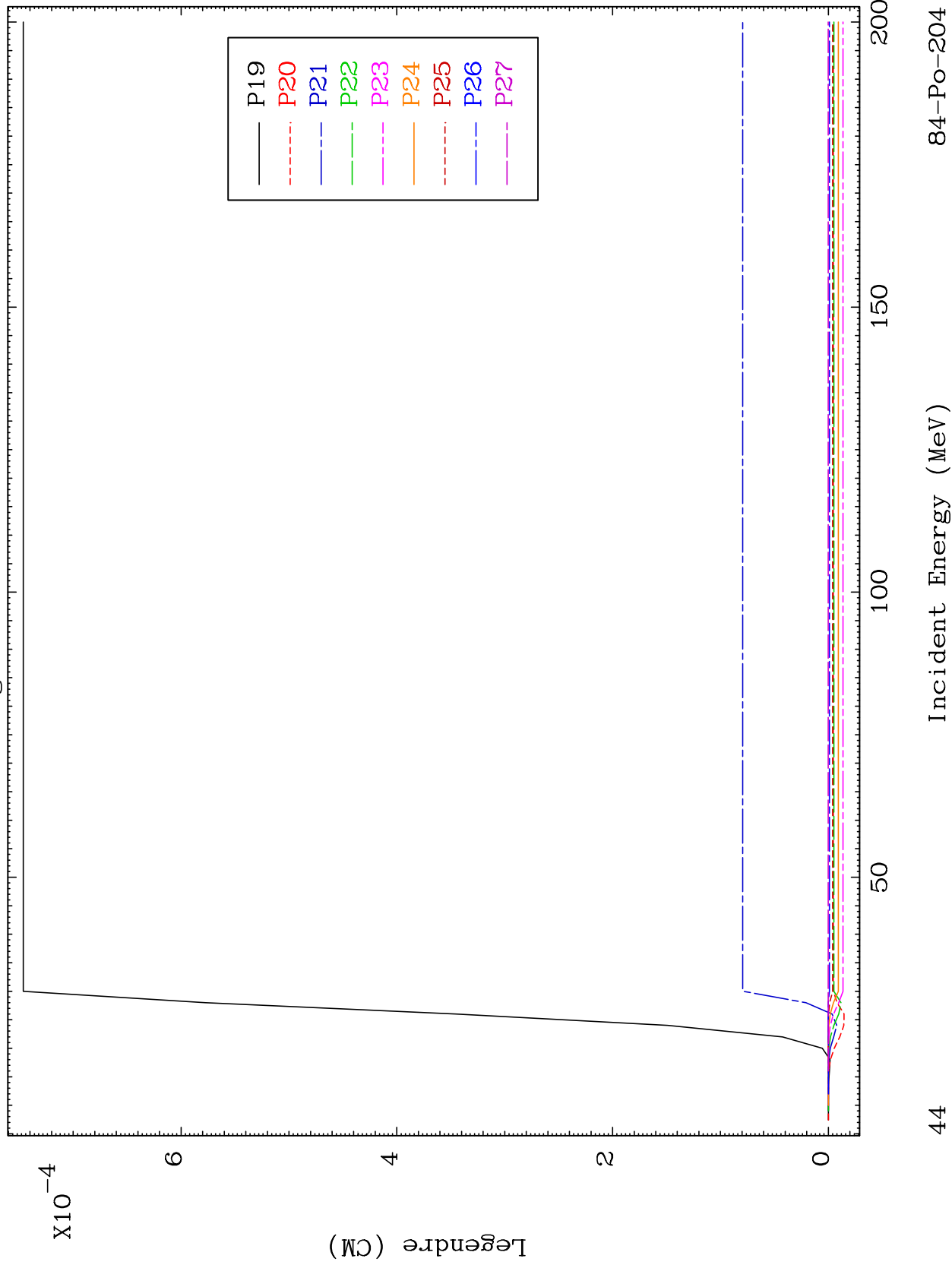
Incident Energy (MeV)

84-Po-204

MAT 8419

1.639 MeV (n,n') Level
Legendre Coefficients

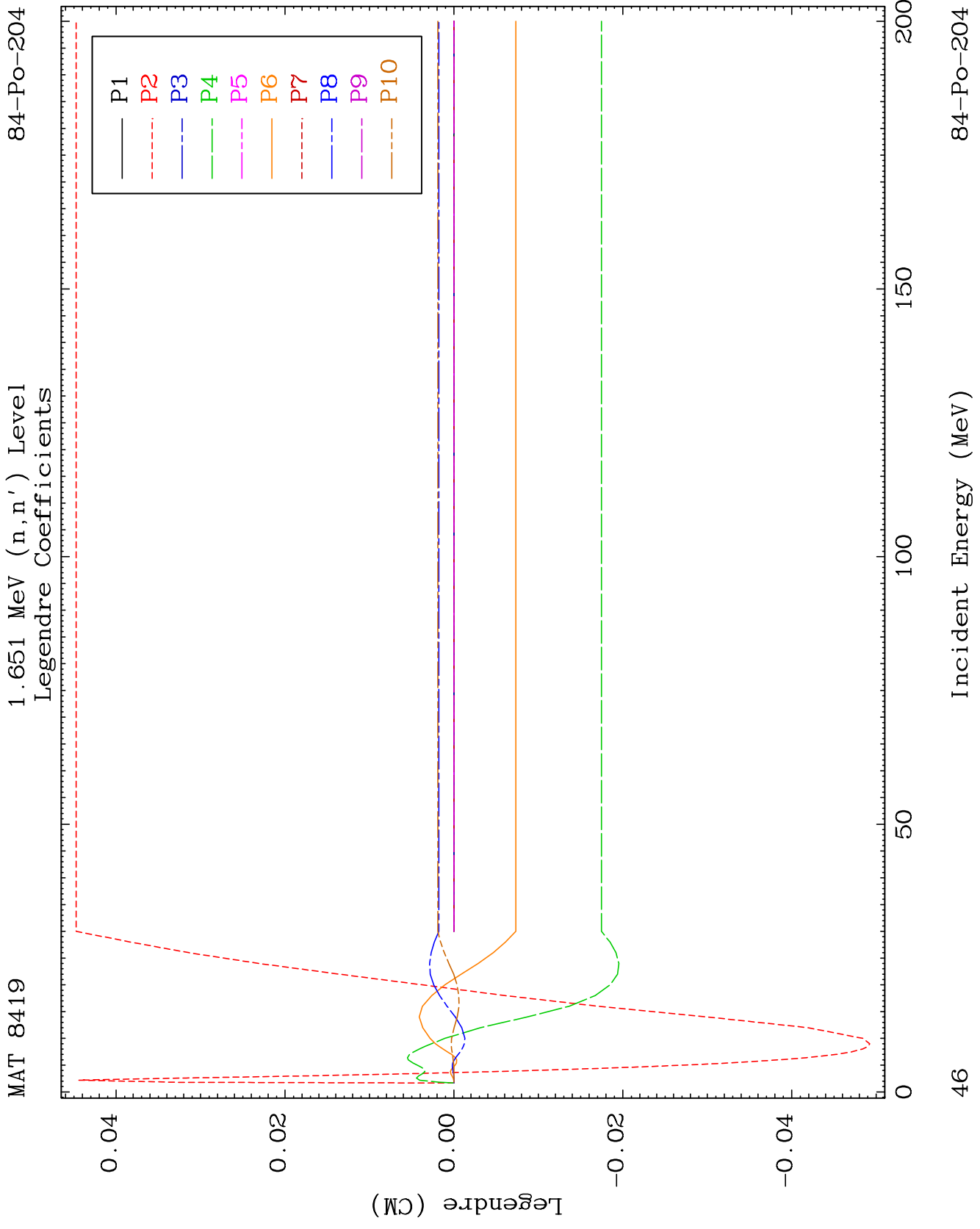
84-Po-204



44

Incident Energy (MeV)

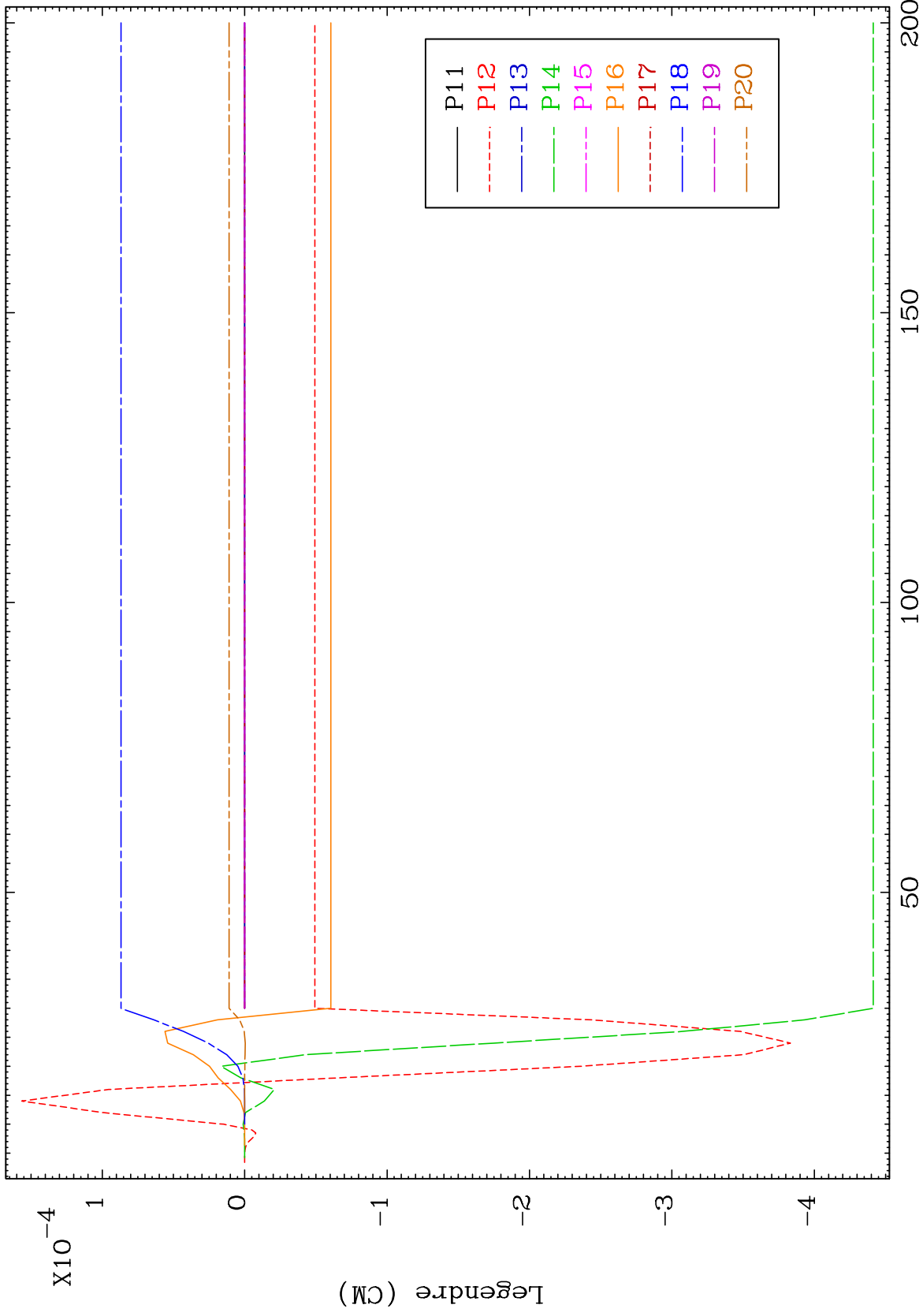
84-Po-204



MAT 8419

1.651 MeV (n,n') Level
Legendre Coefficients

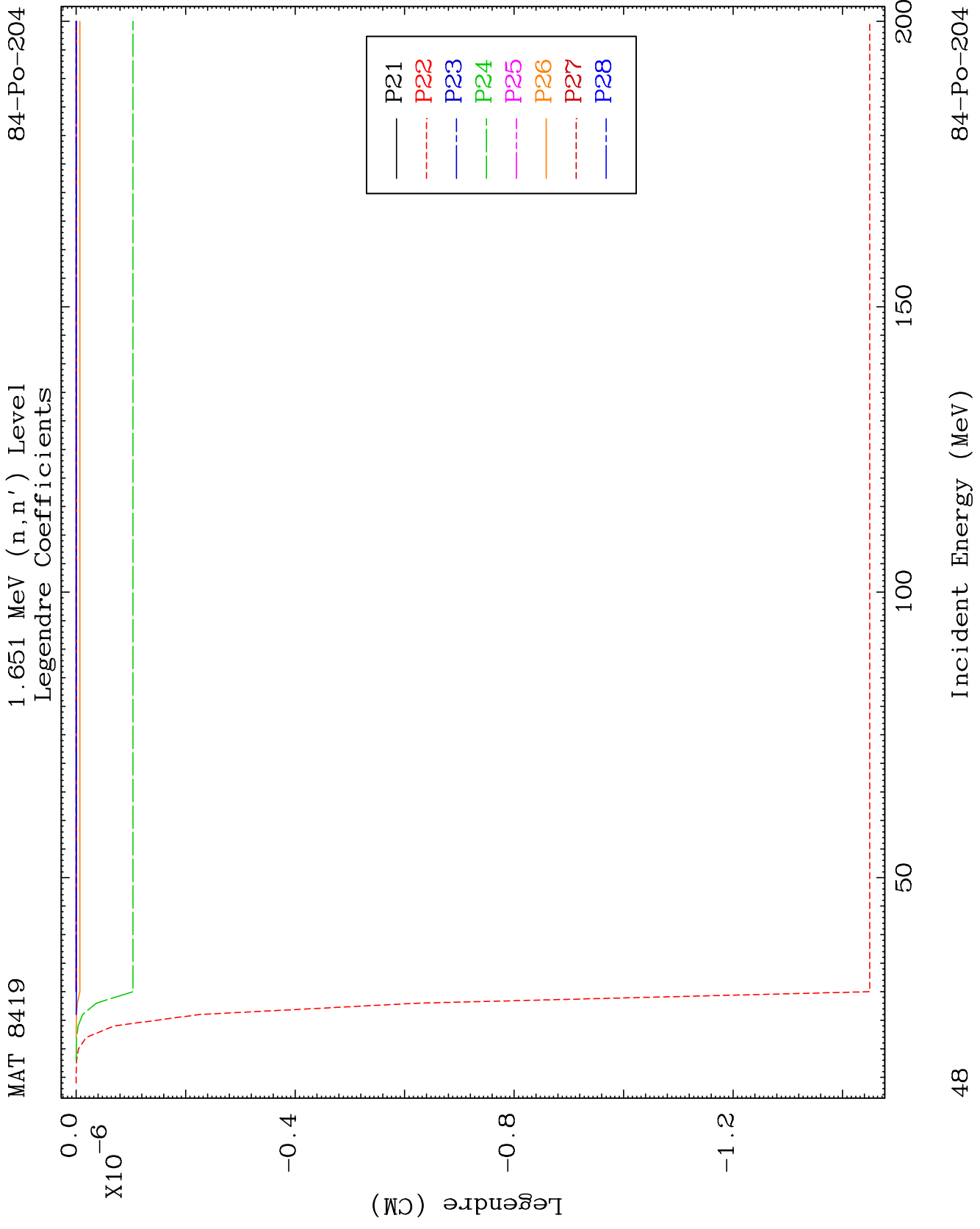
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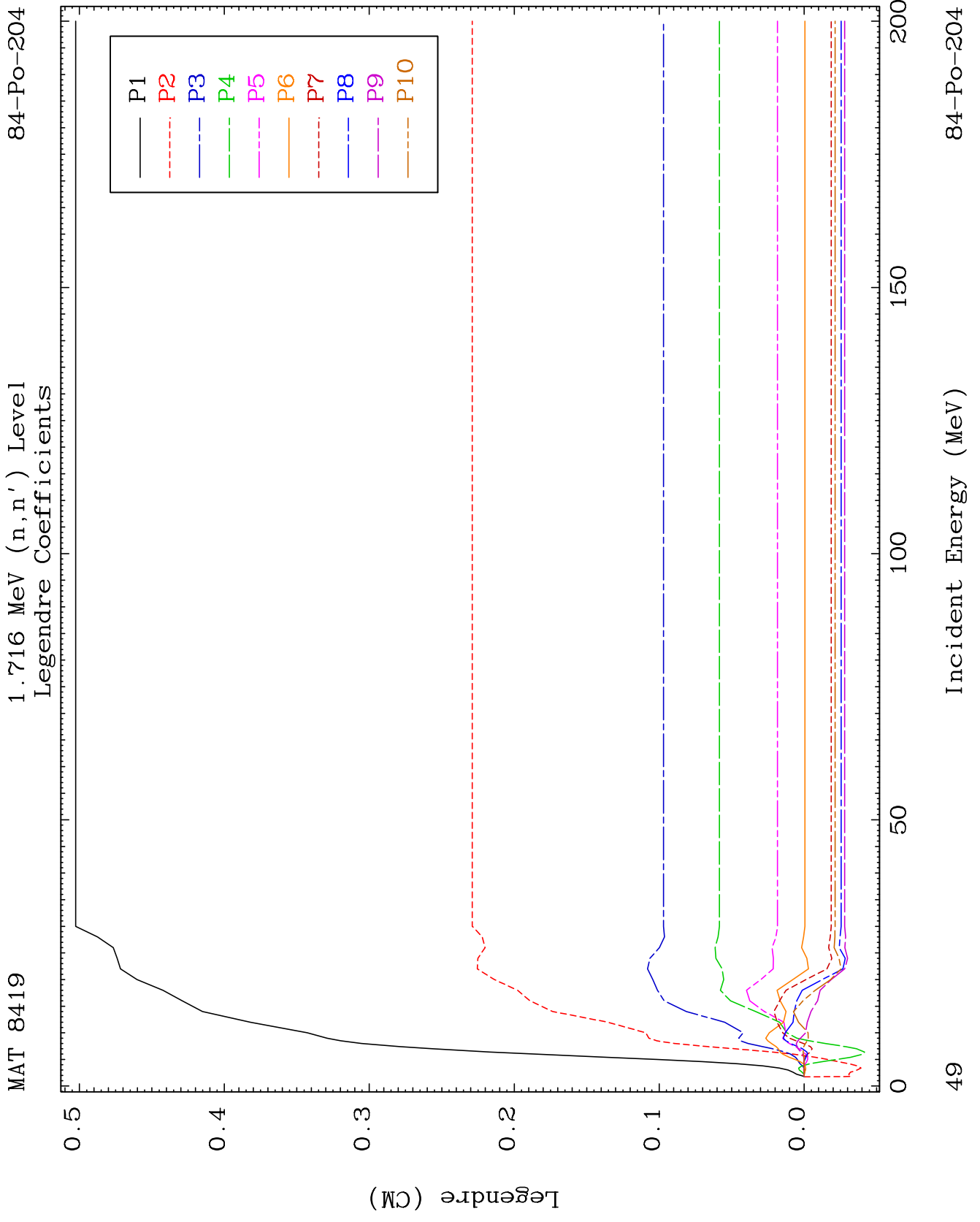


47

Incident Energy (MeV)

84-Po-204

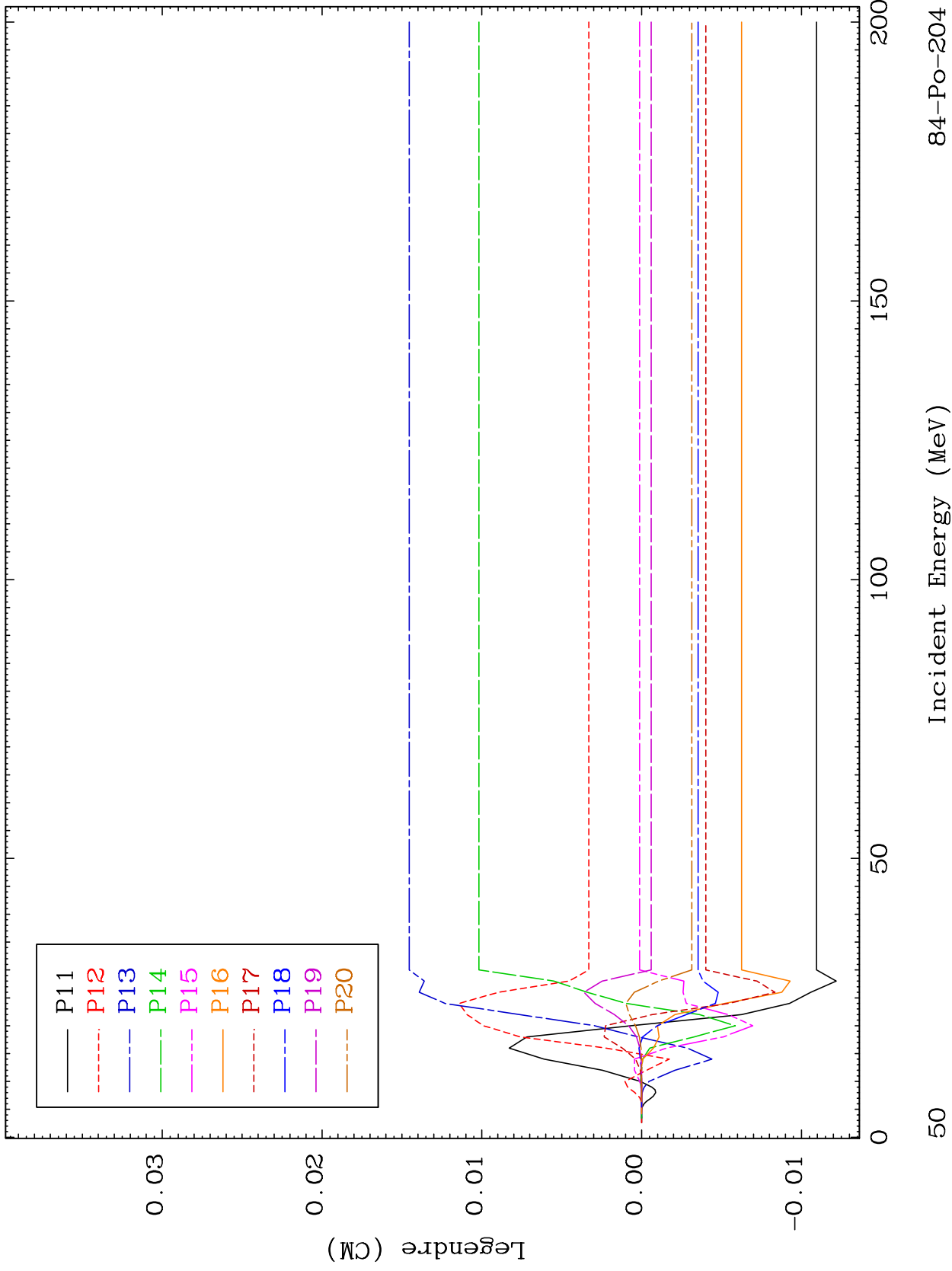




MAT 8419

1.716 MeV (n, n') Level
Legendre Coefficients

84-Po-204



84-Po-204

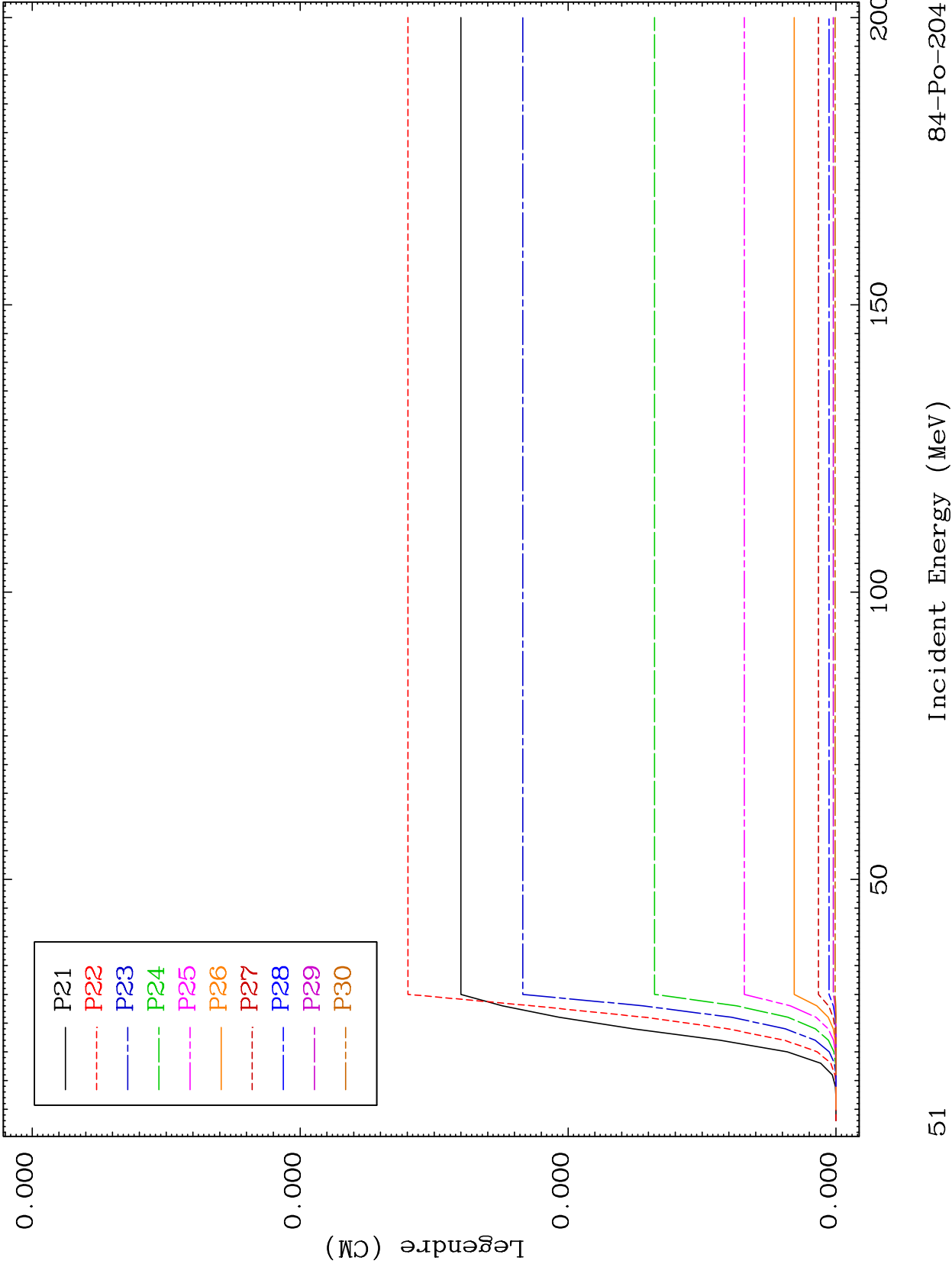
Incident Energy (MeV)

50

MAT 8419

1.716 MeV (n,n') Level
Legendre Coefficients

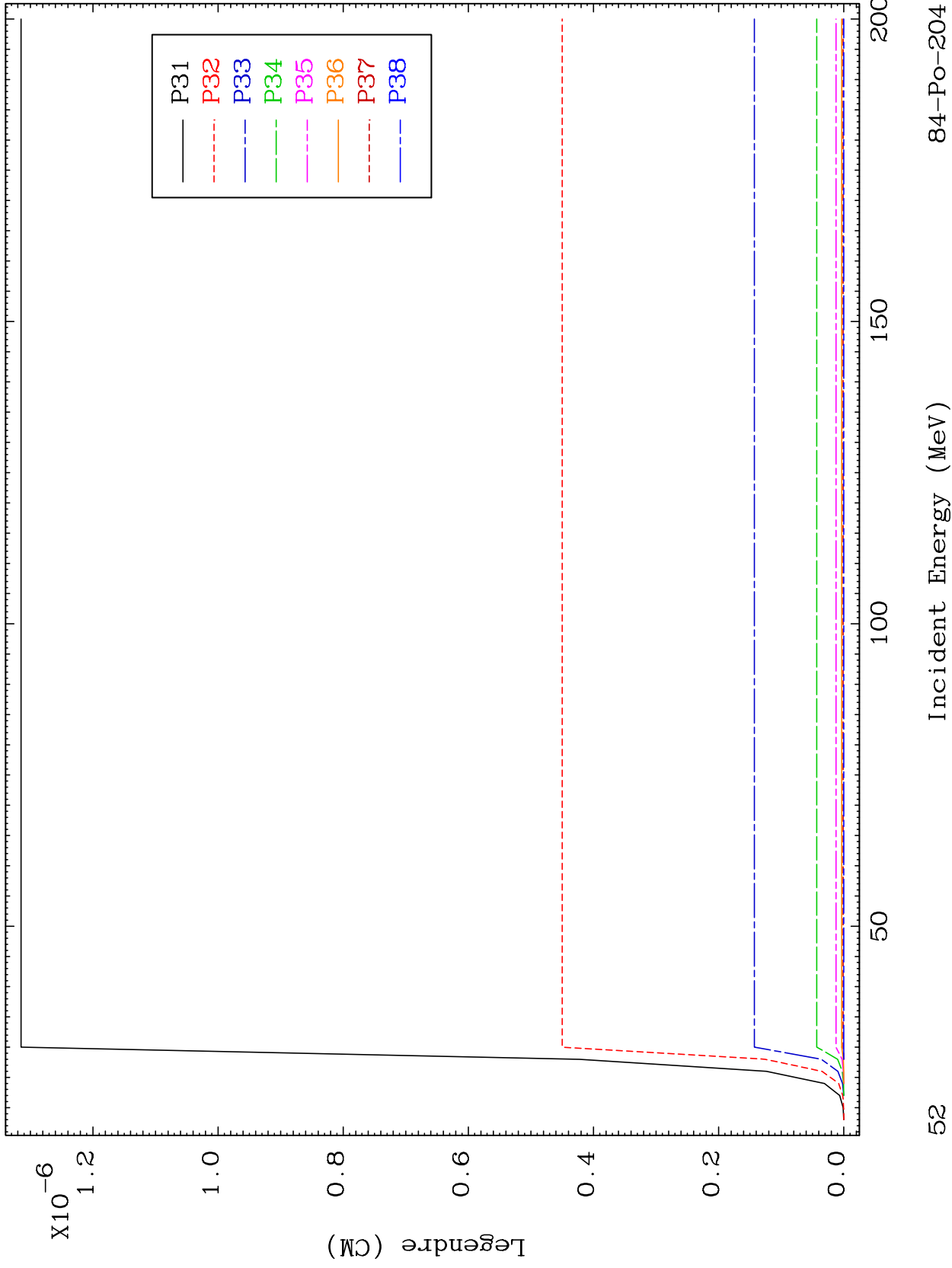
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MAT 8419

1.716 MeV (n,n') Level
Legendre Coefficients

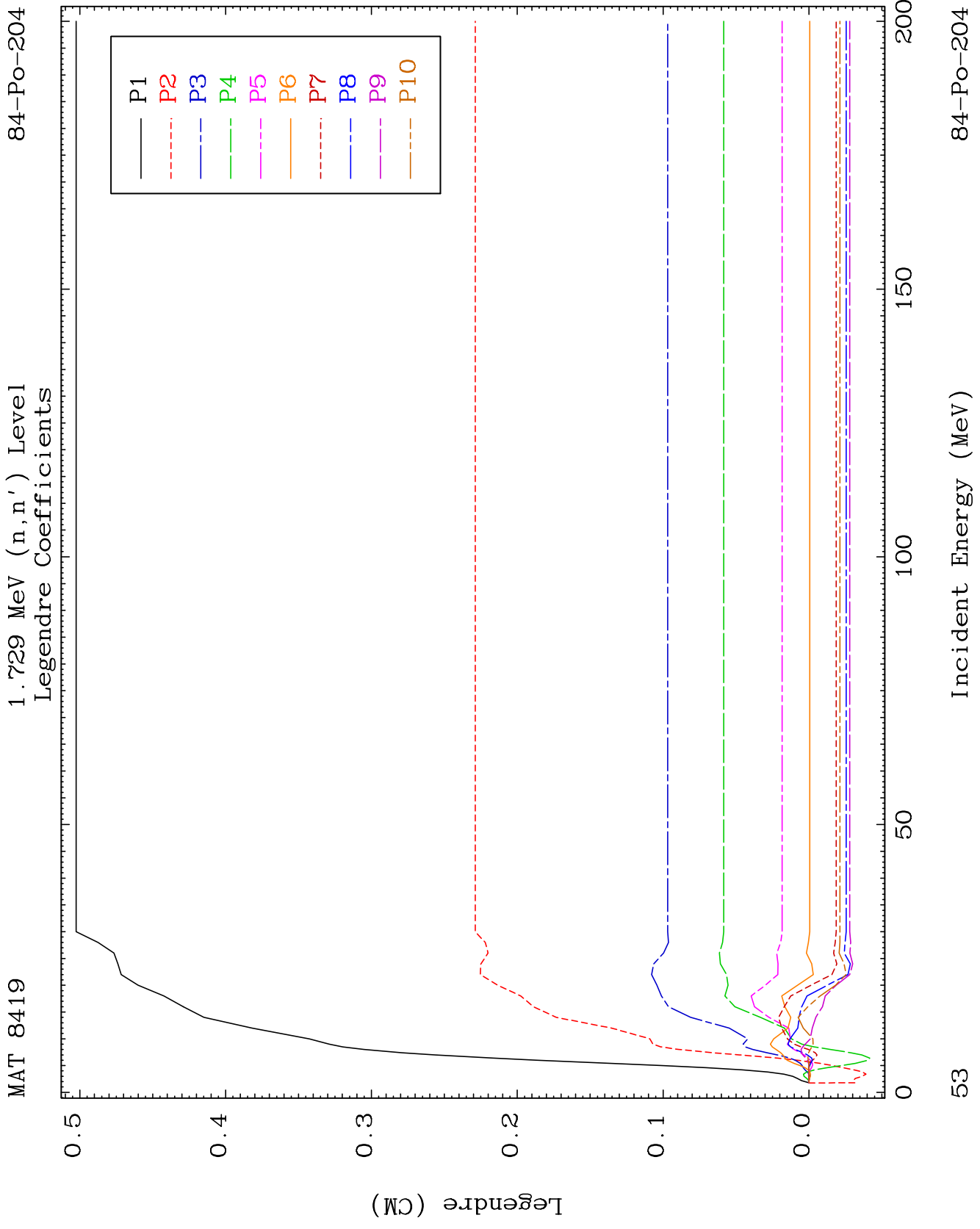
84-Po-204



52

Incident Energy (MeV)

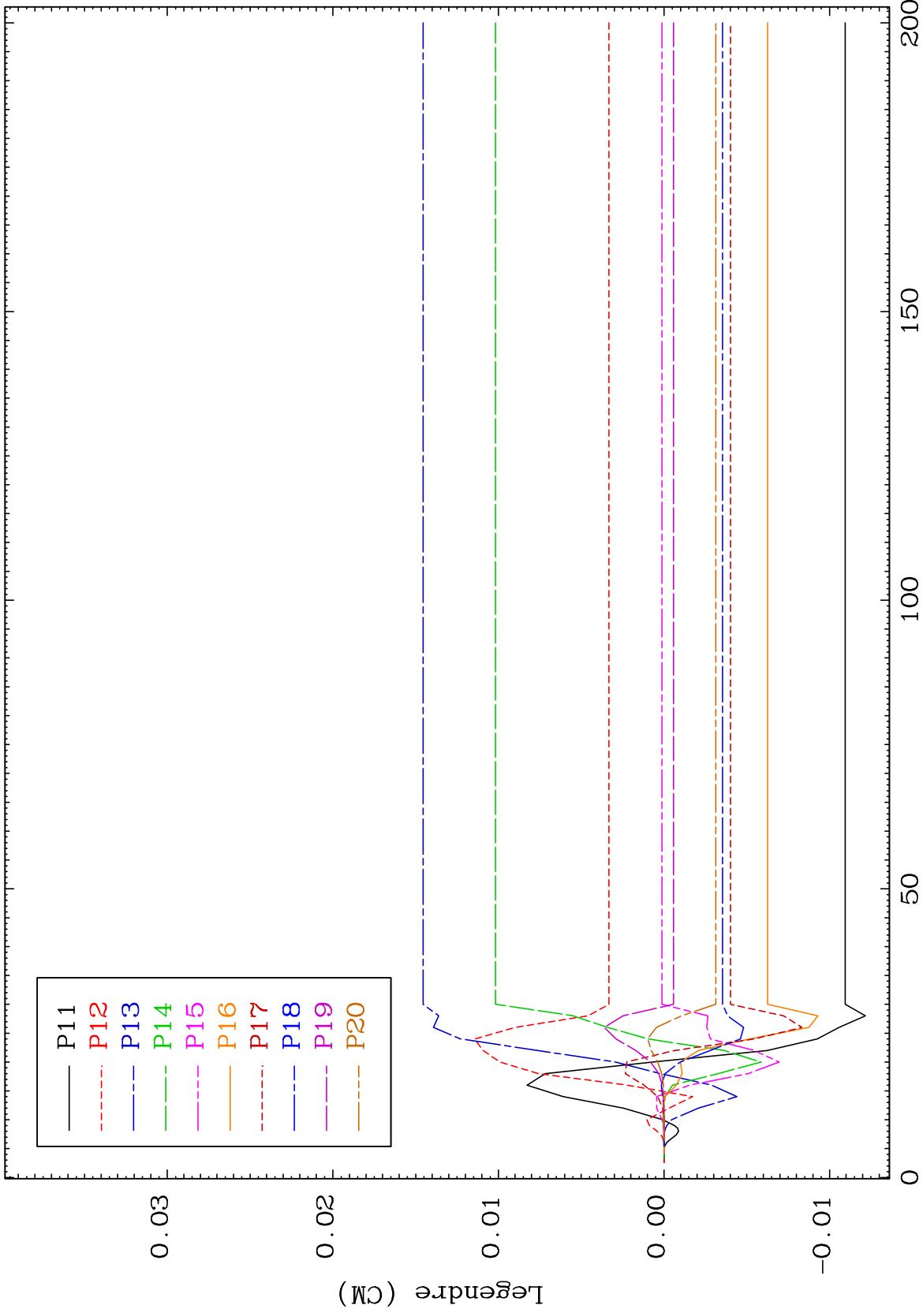
84-Po-204



MAT 8419

1.729 MeV (n, n') Level
Legendre Coefficients

84-Po-204



54

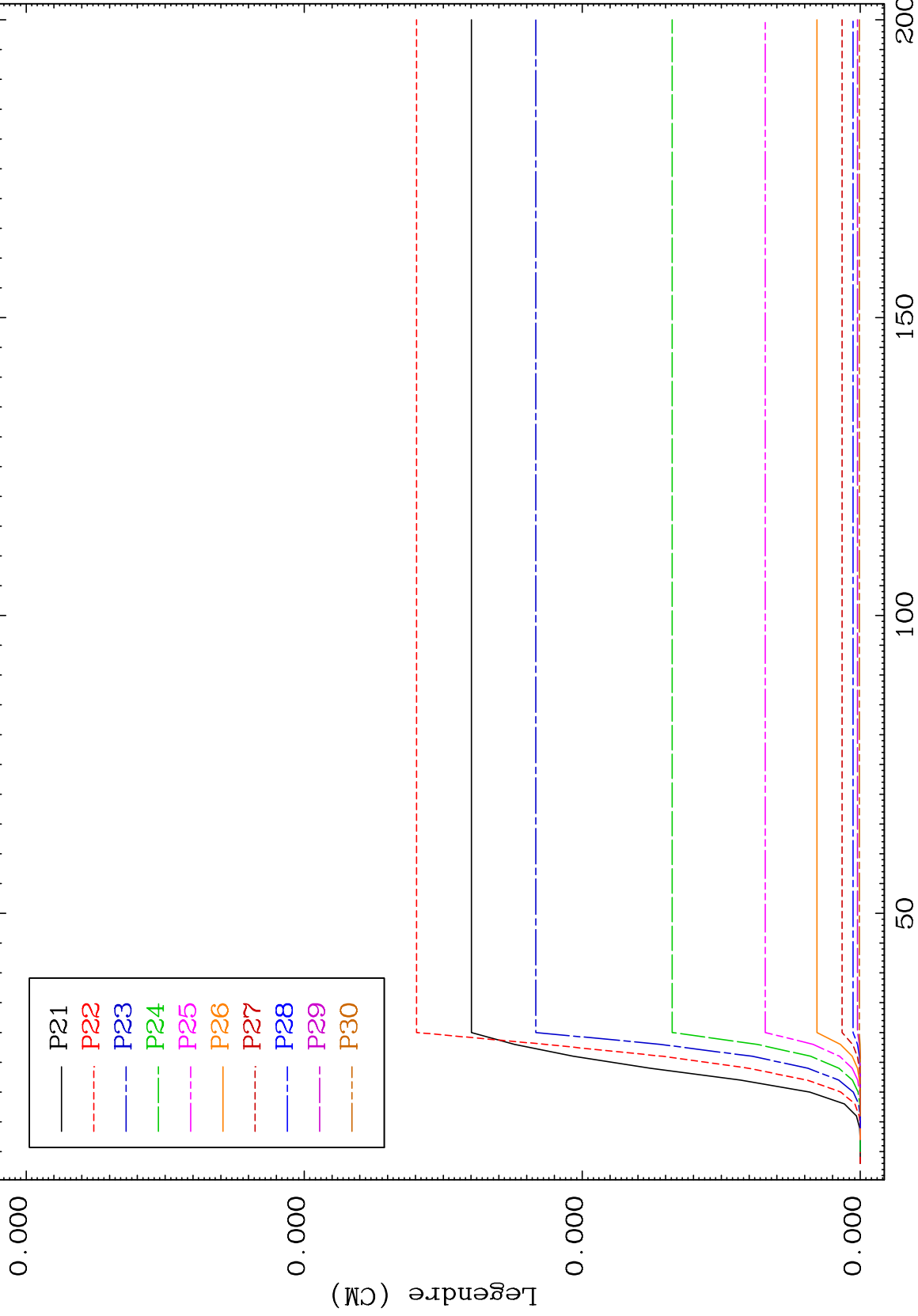
Incident Energy (MeV)

84-Po-204

MAT 8419

1.729 MeV (n,n') Level
Legendre Coefficients

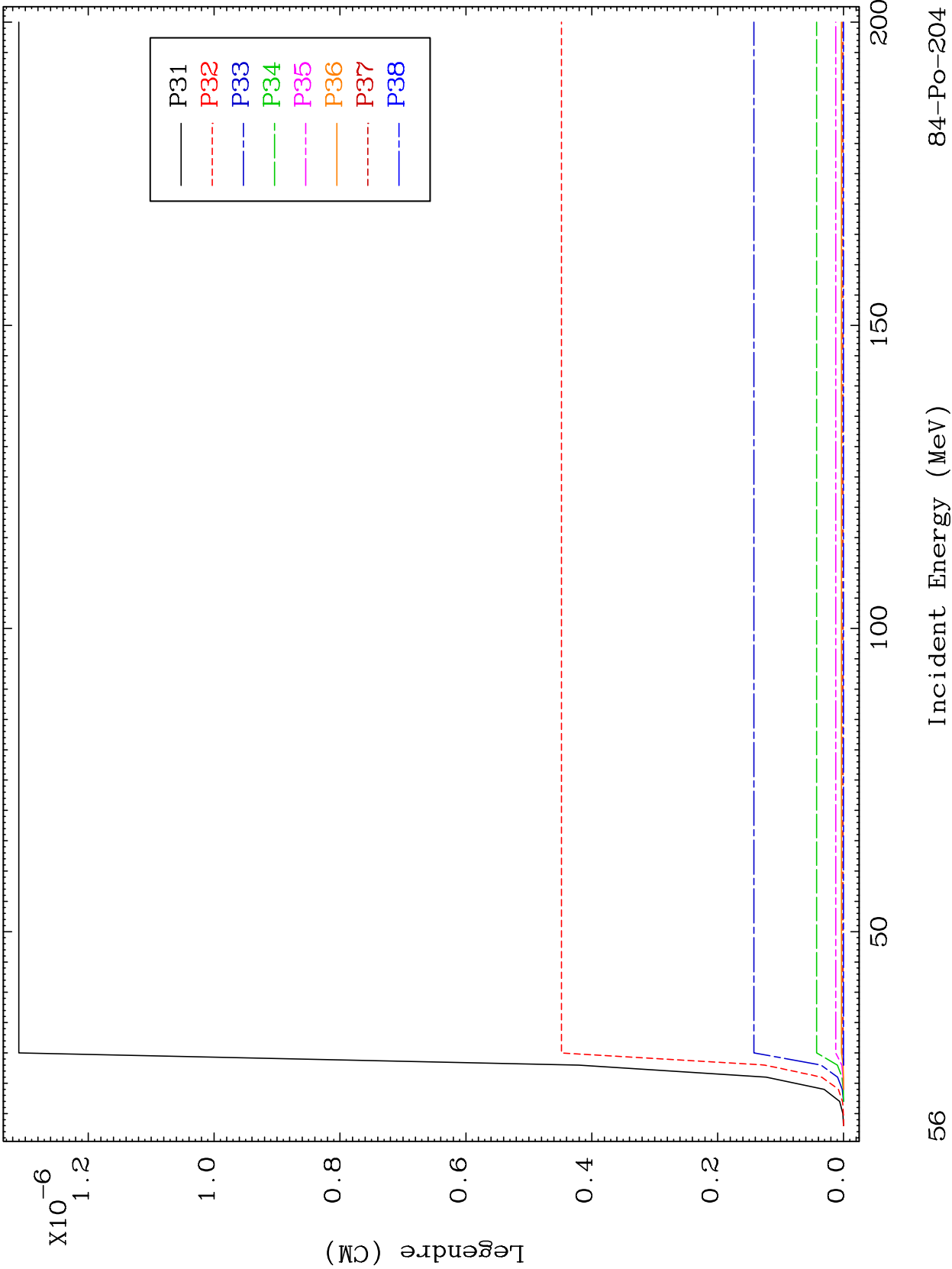
84-Po-204



55

Incident Energy (MeV)

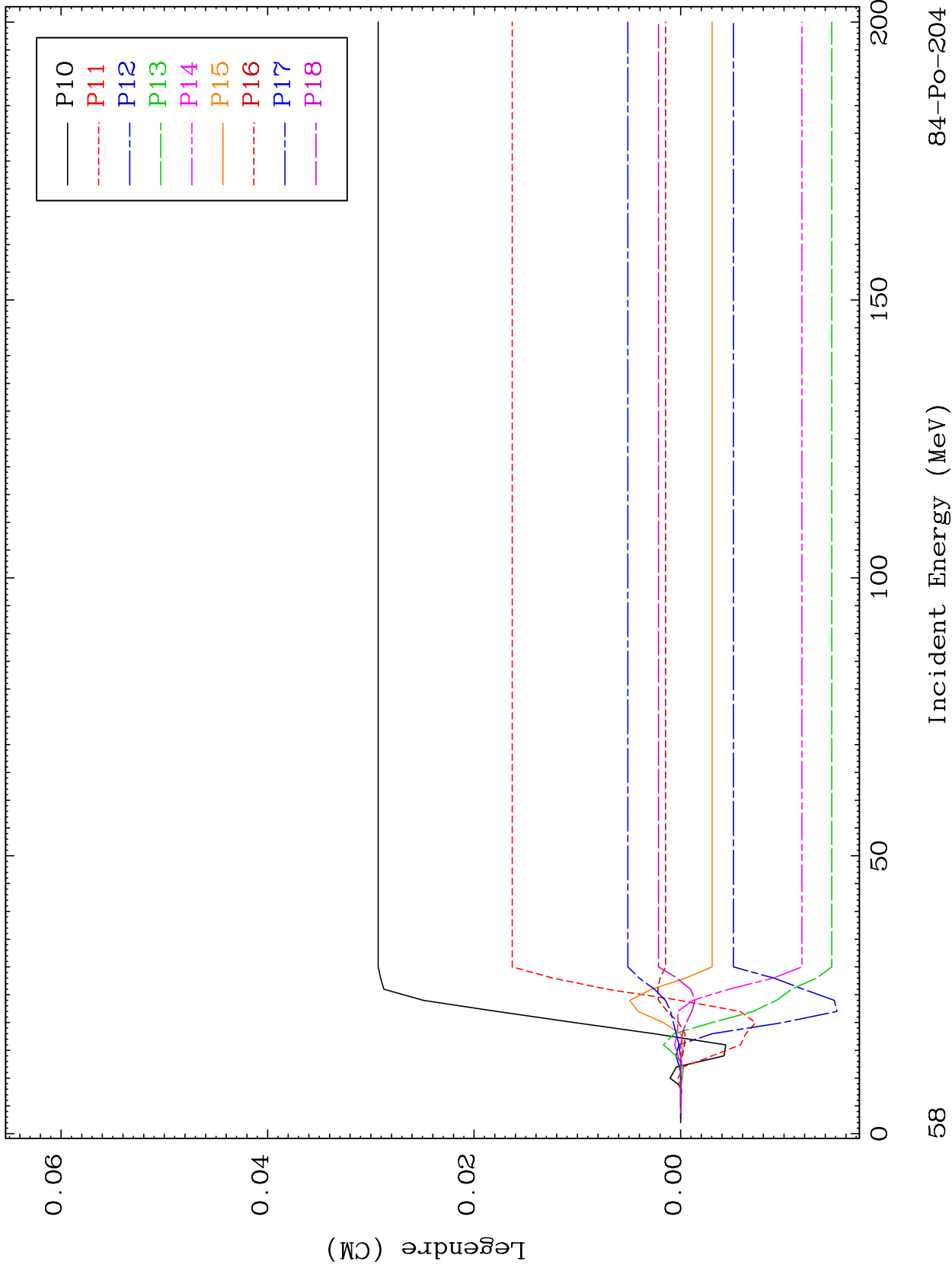
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MAT 8419

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Legendre Coefficients

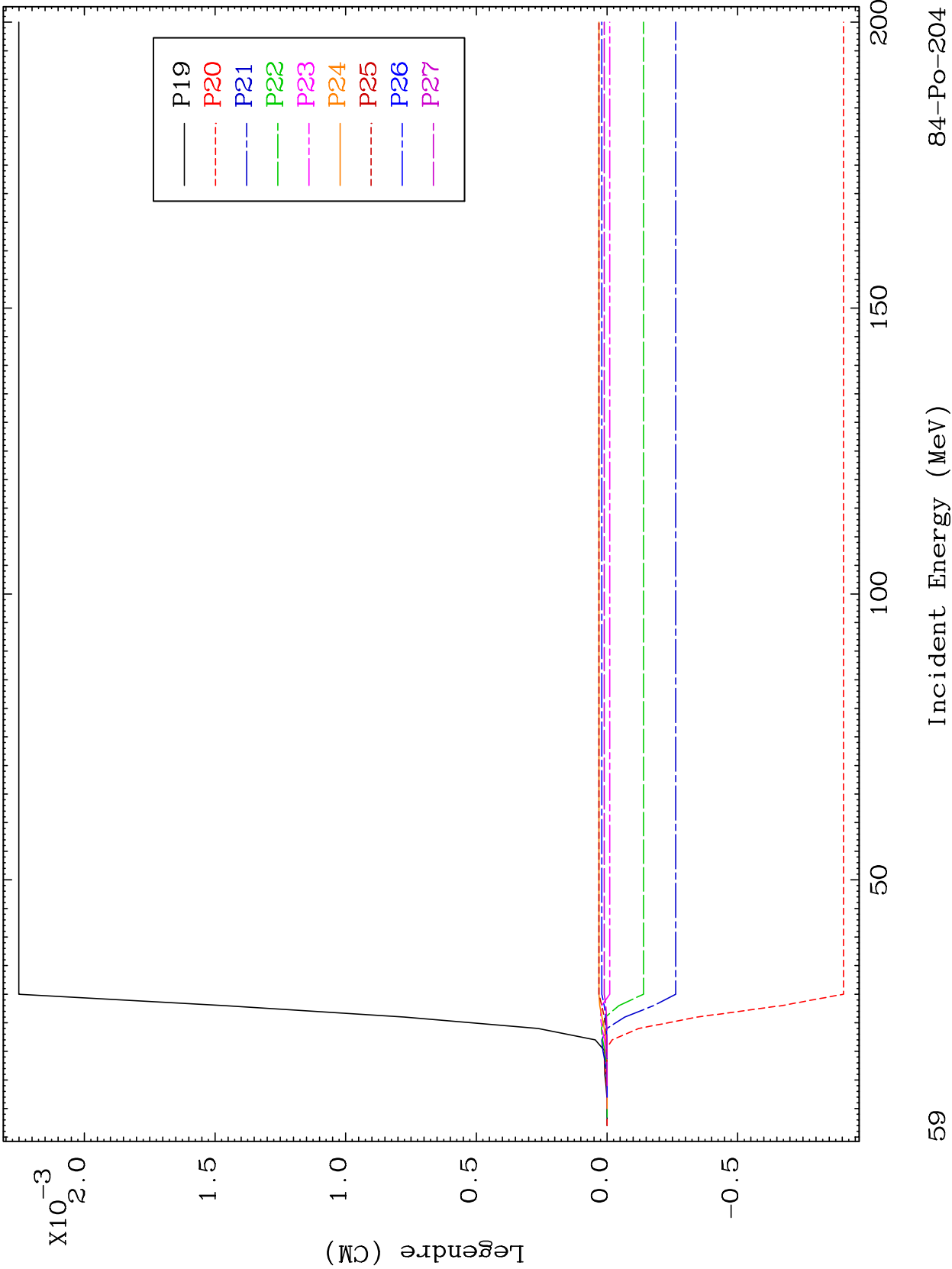
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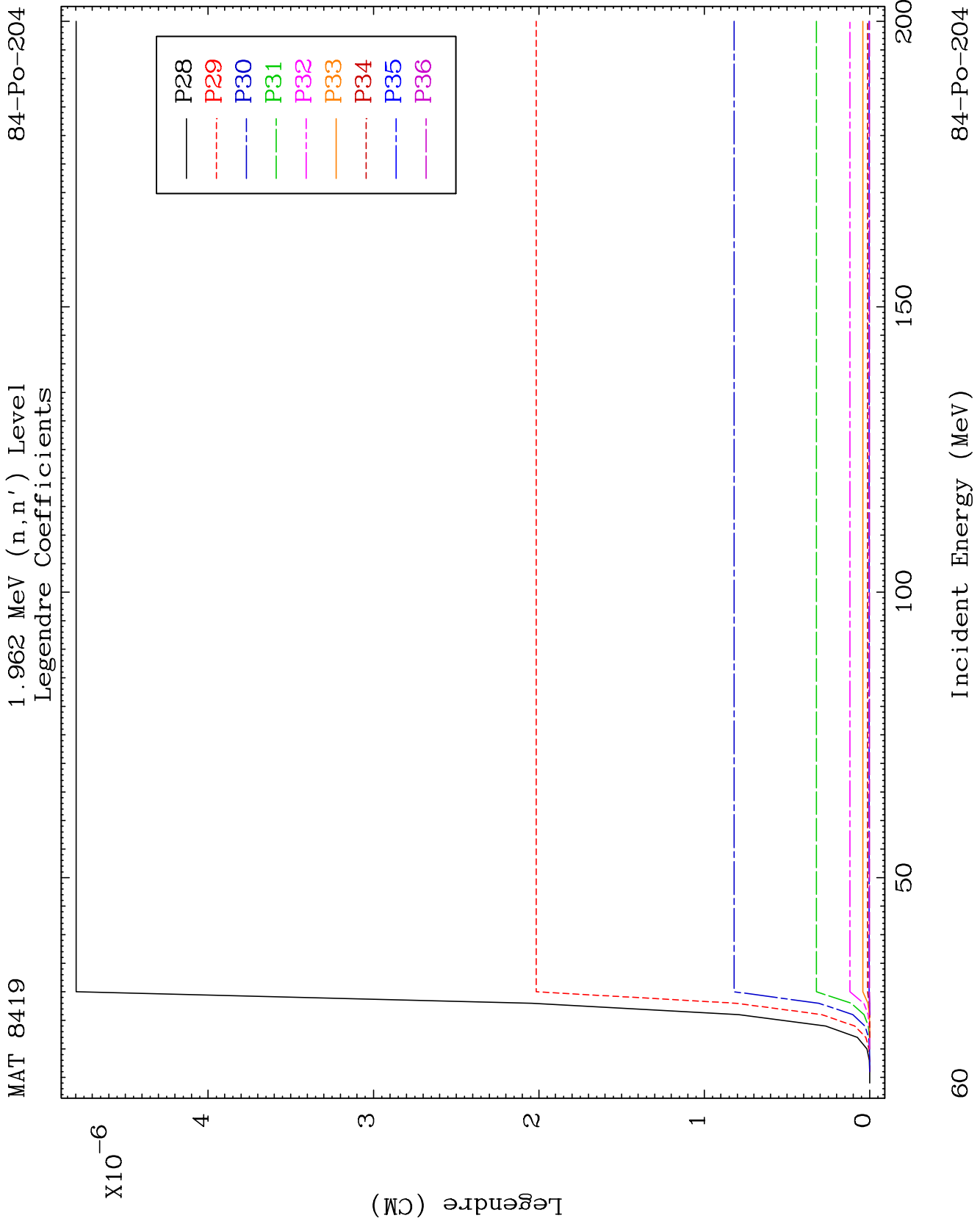


84-Po-204

Incident Energy (MeV)

58

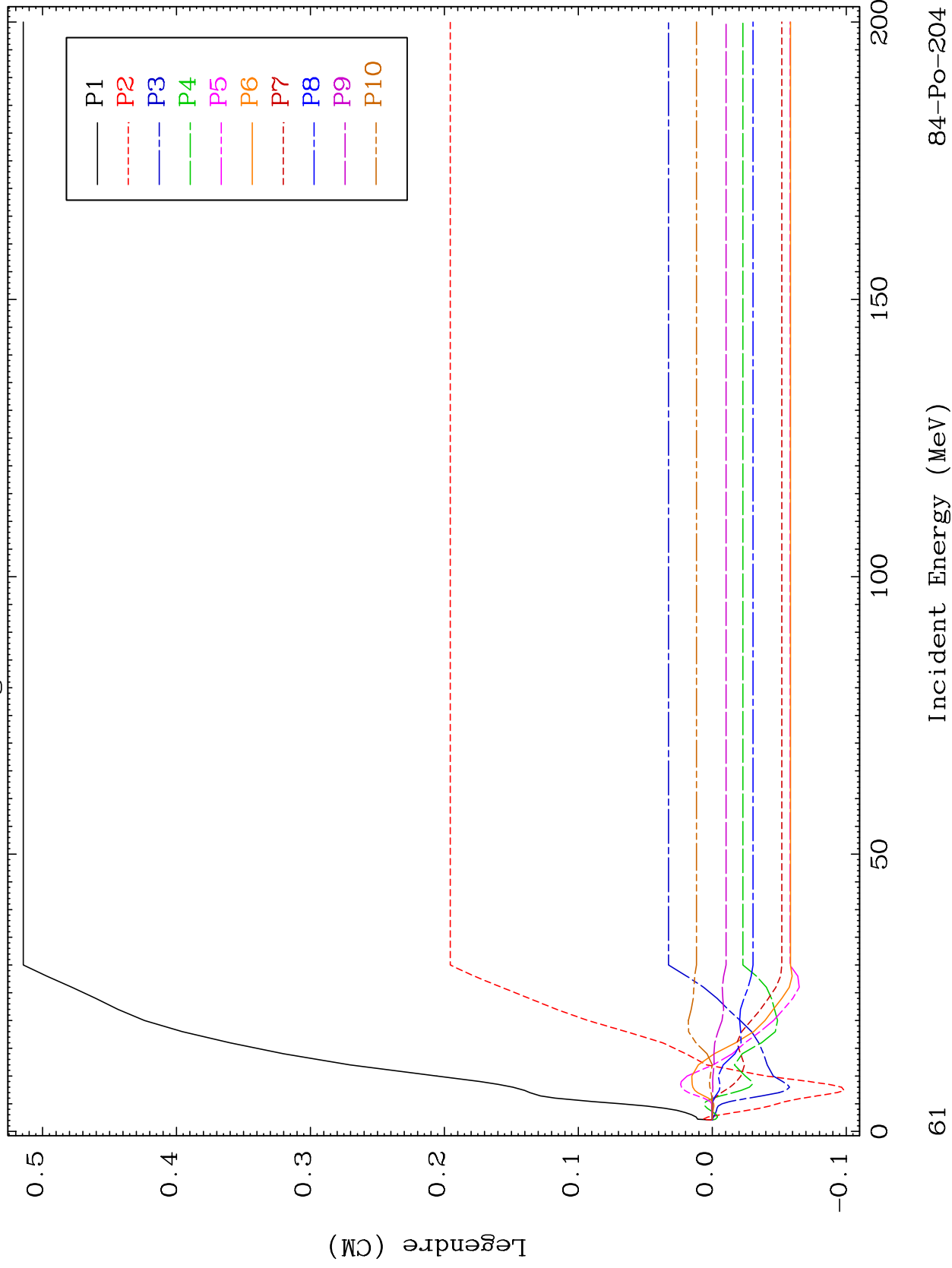




MAT 8419

2.042 MeV (n,n') Level
Legendre Coefficients

84-Po-204



61

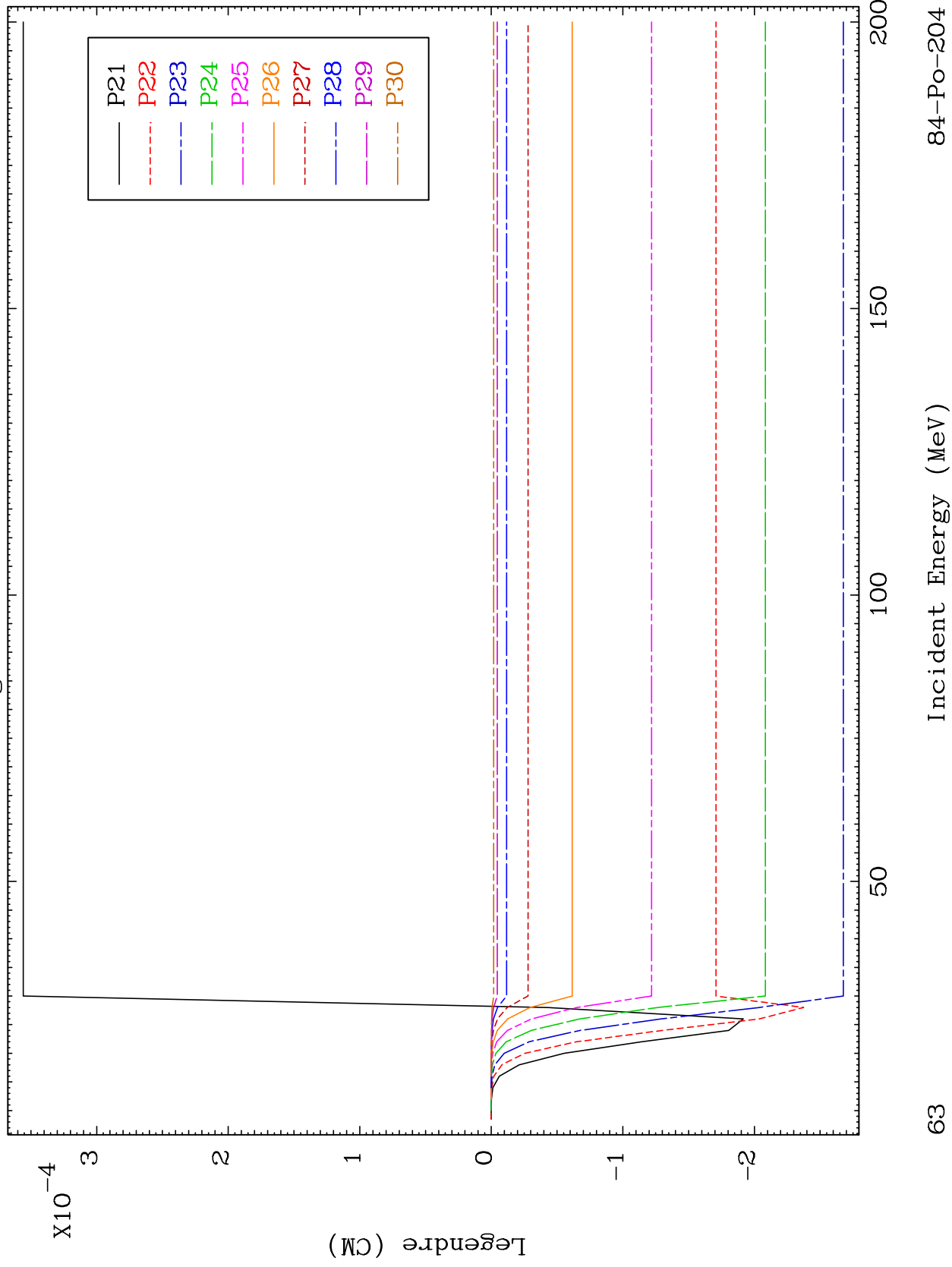
Incident Energy (MeV)

84-Po-204

MAT 8419

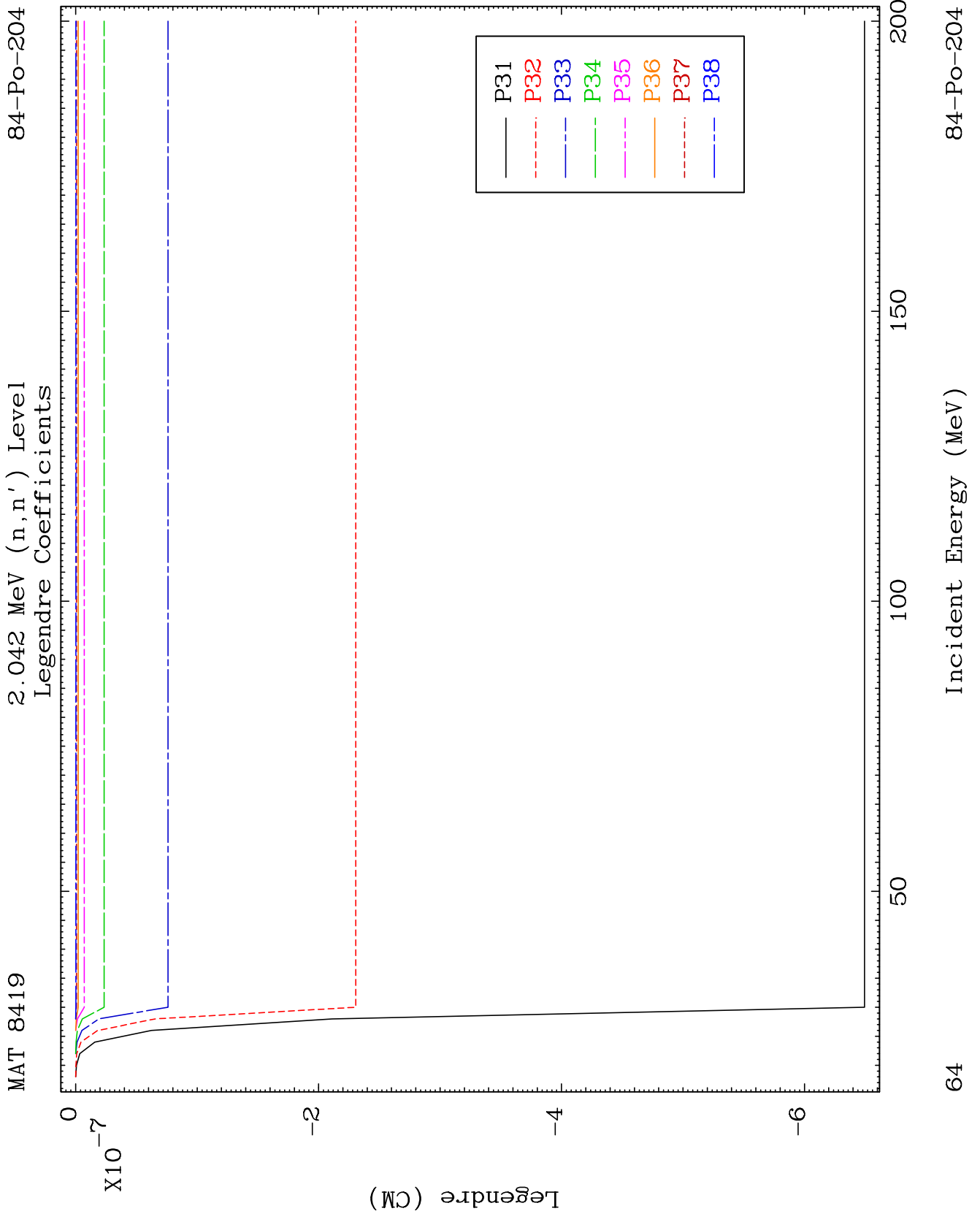
2.042 MeV (n,n') Level
Legendre Coefficients

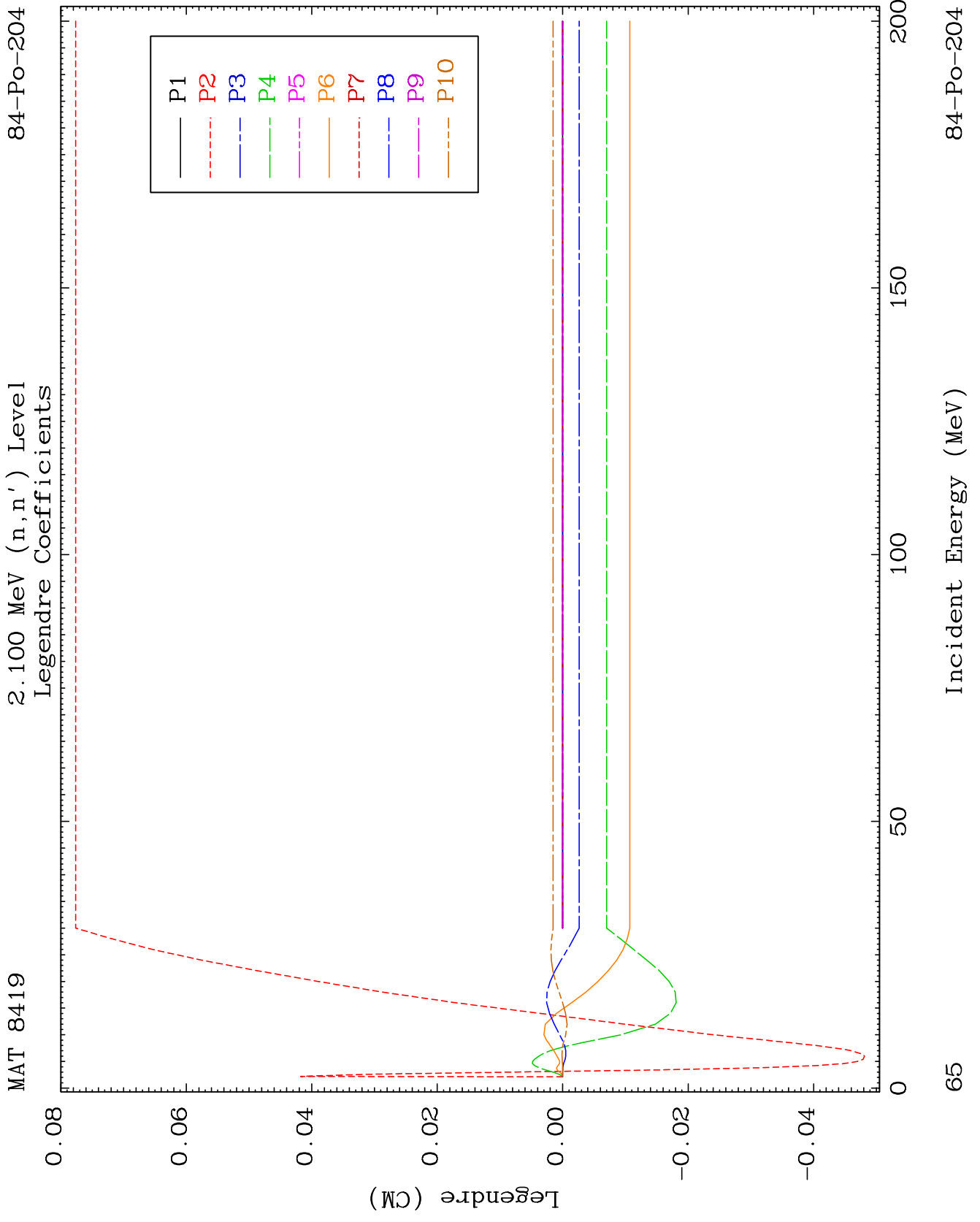
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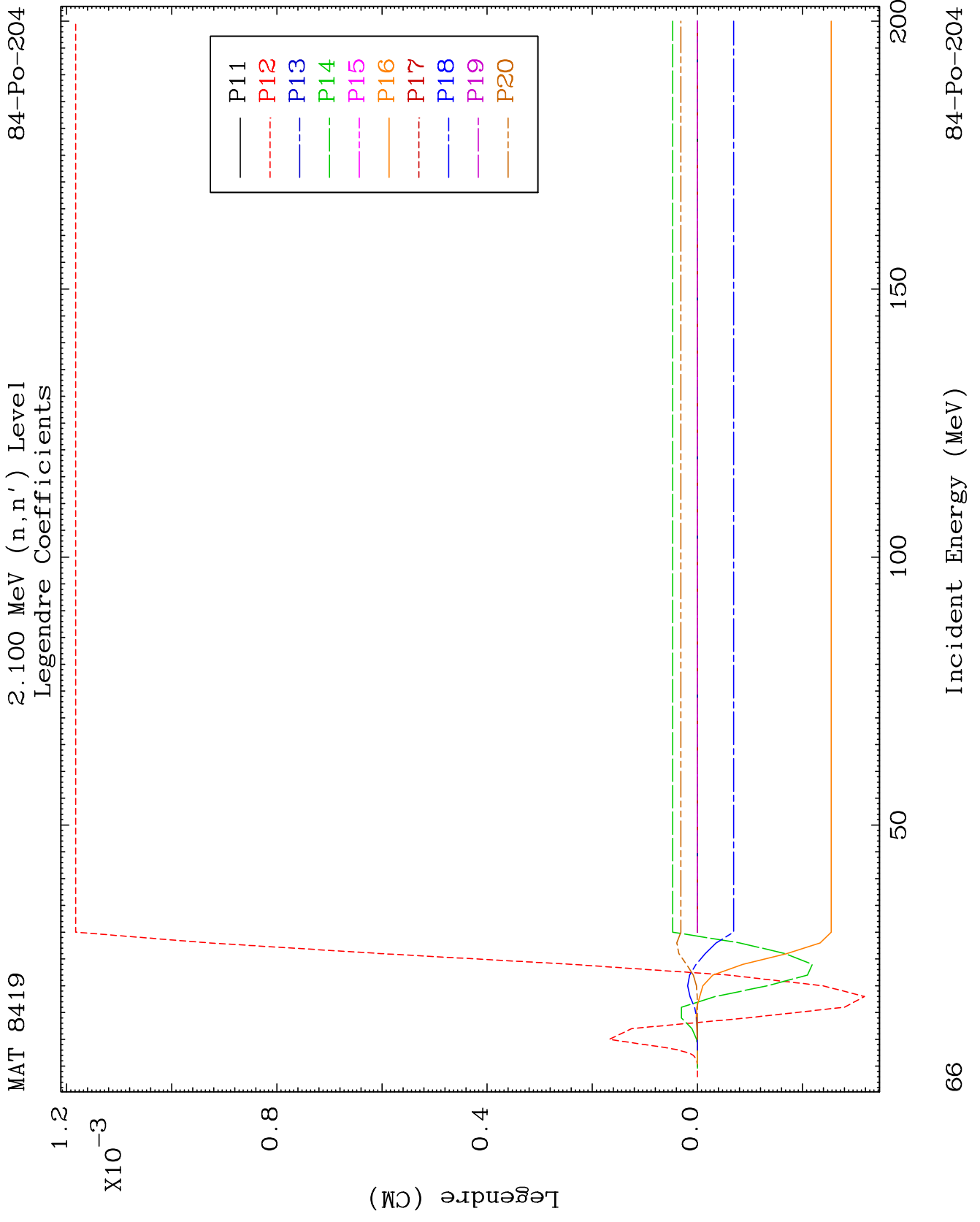


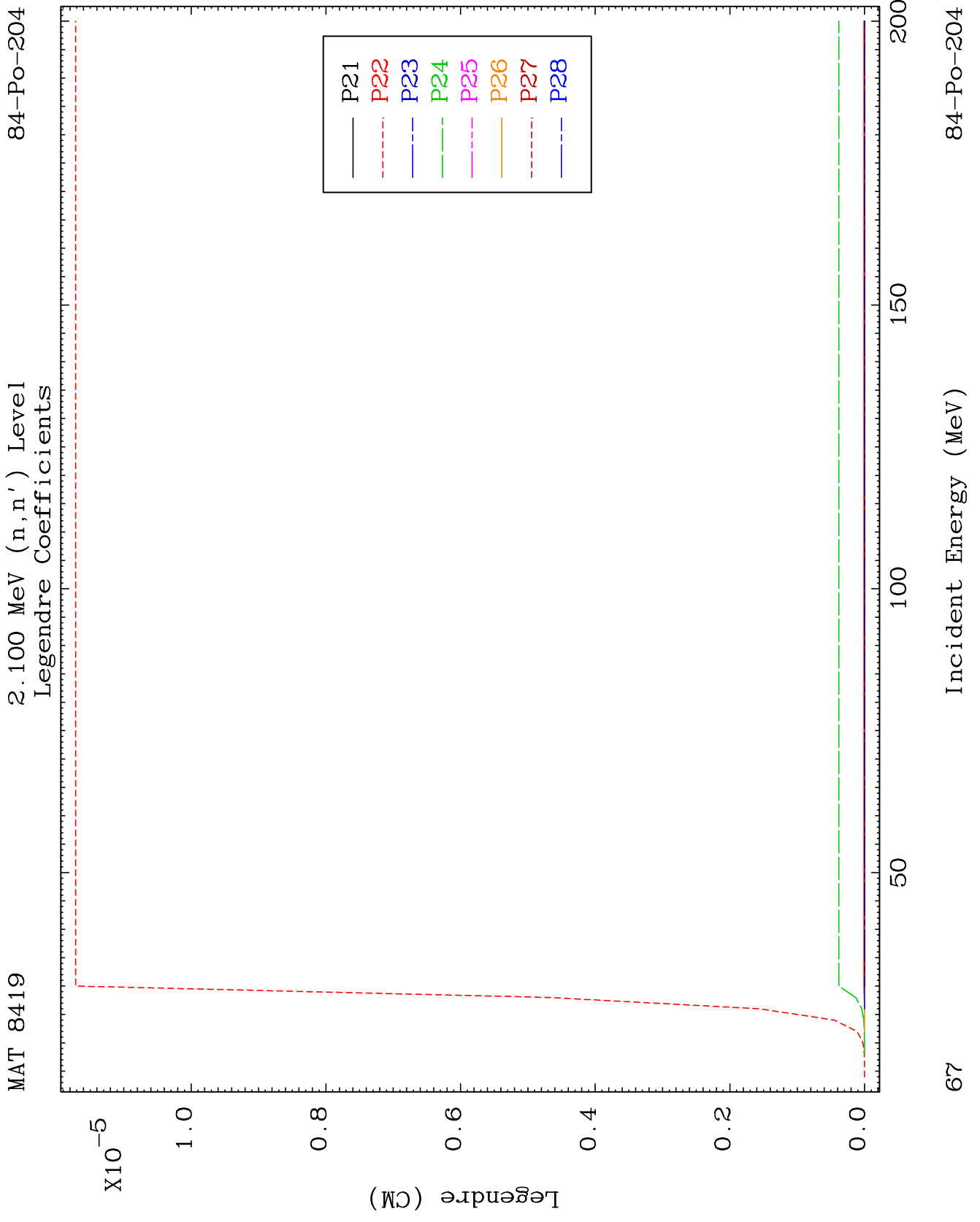
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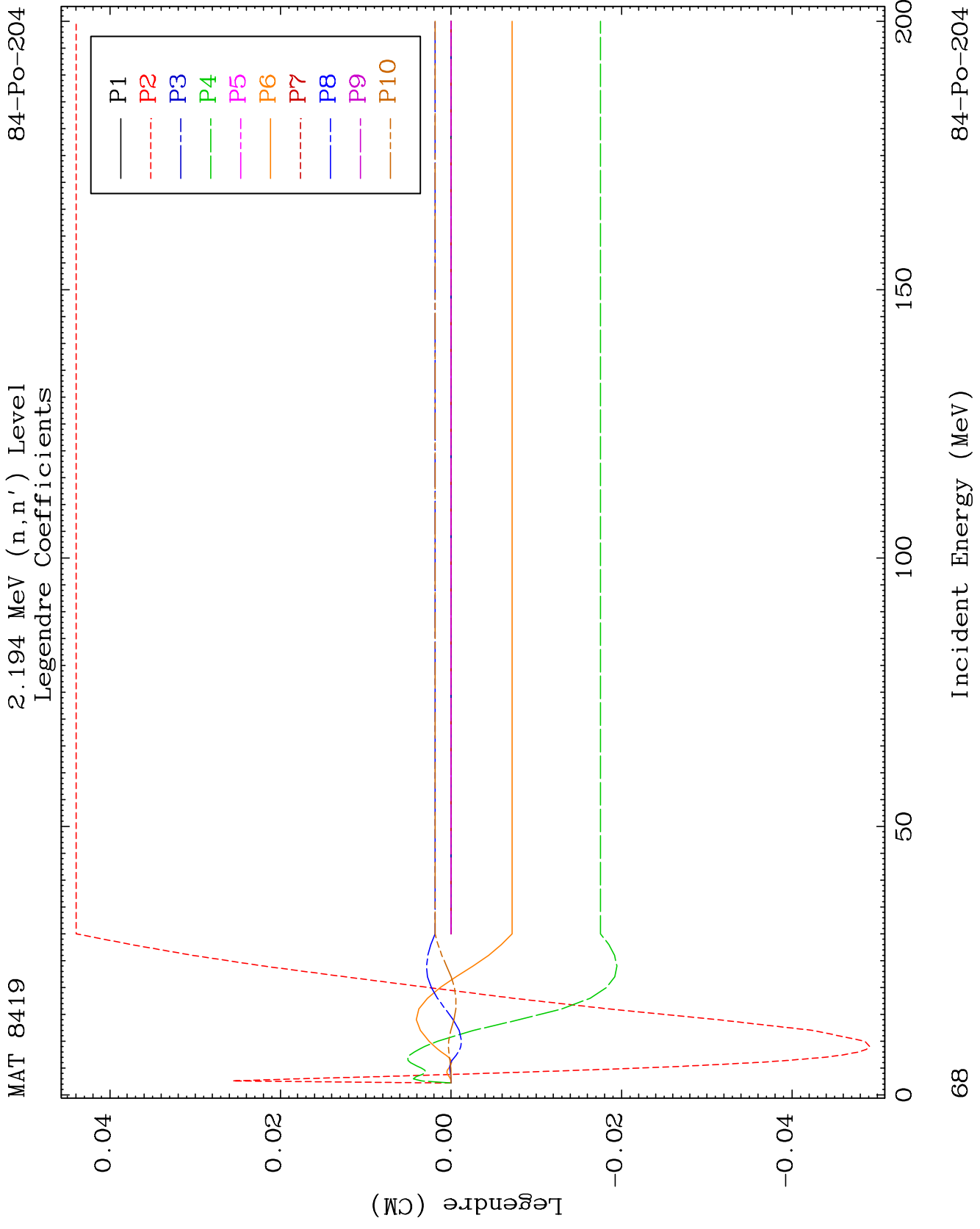
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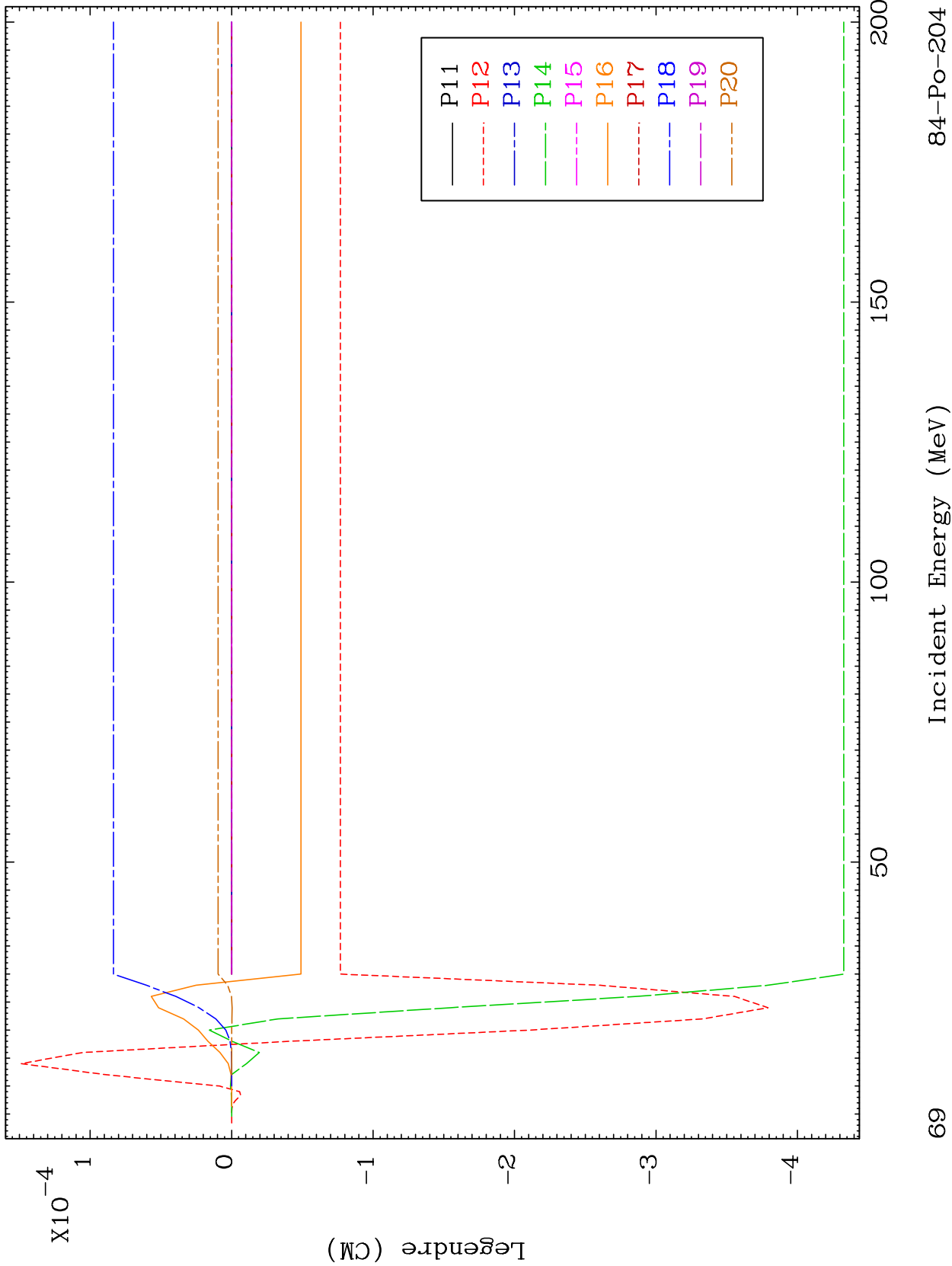


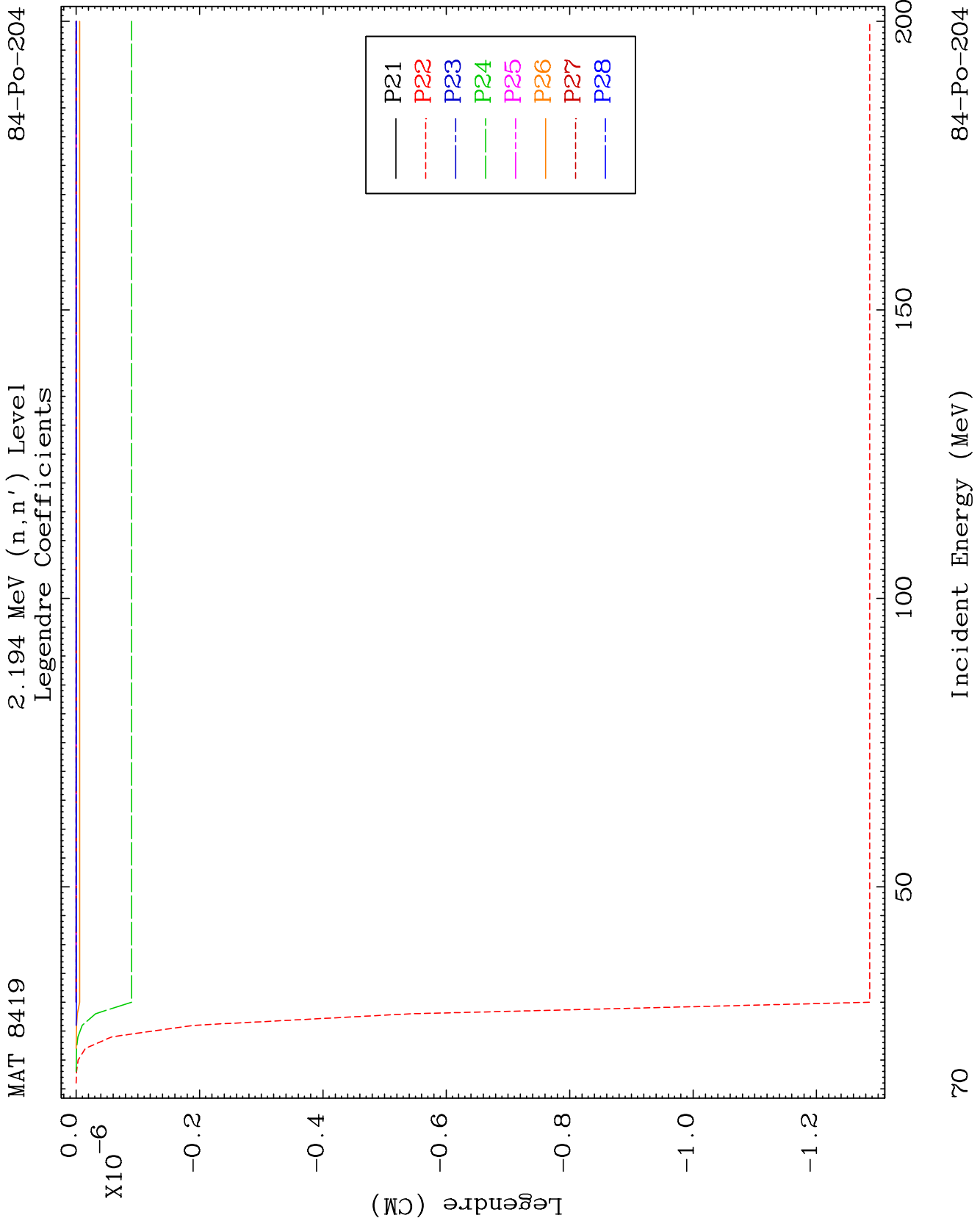








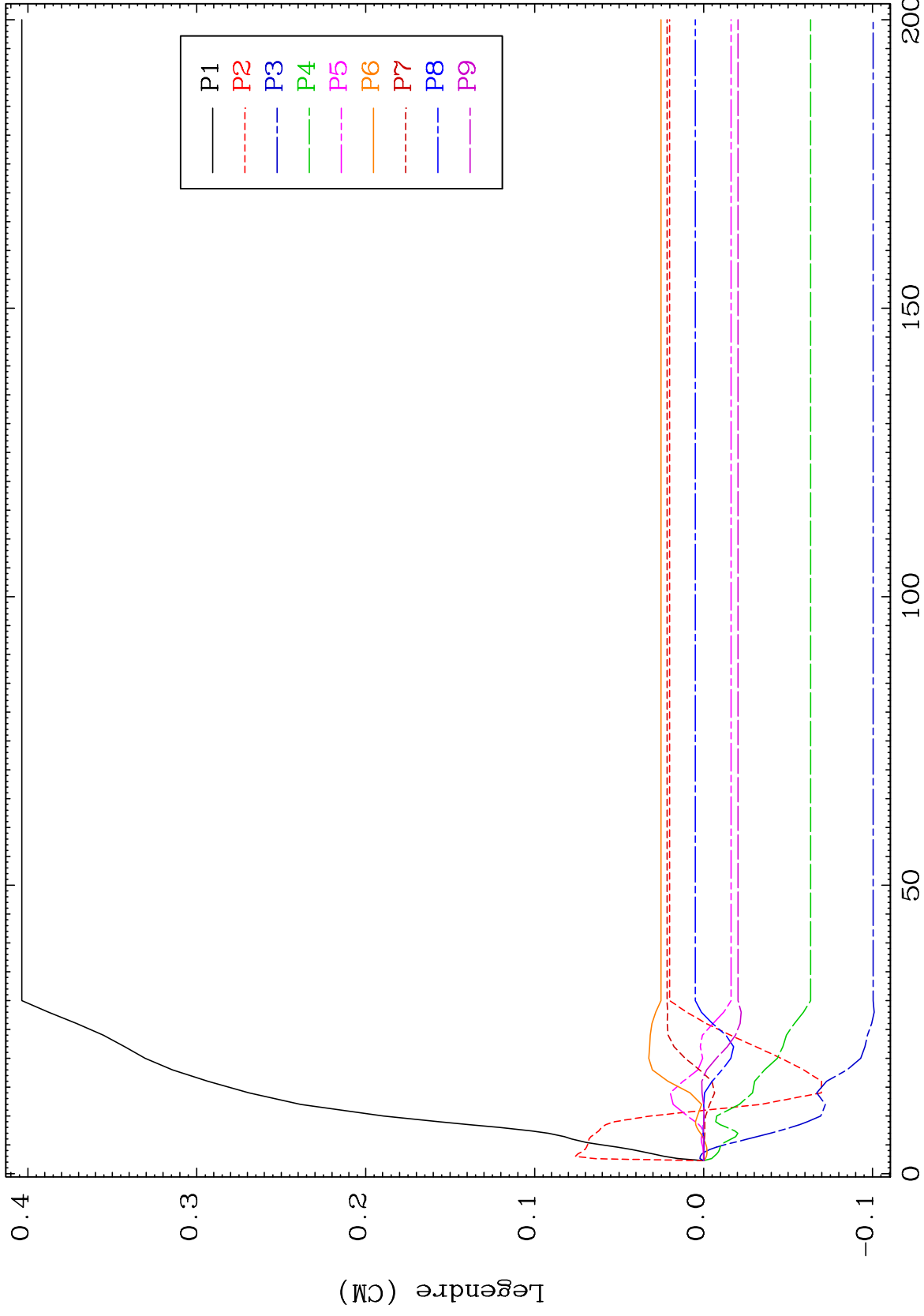




MAT 8419

2.227 MeV (n, n') Level
Legendre Coefficients

84-Po-204



71

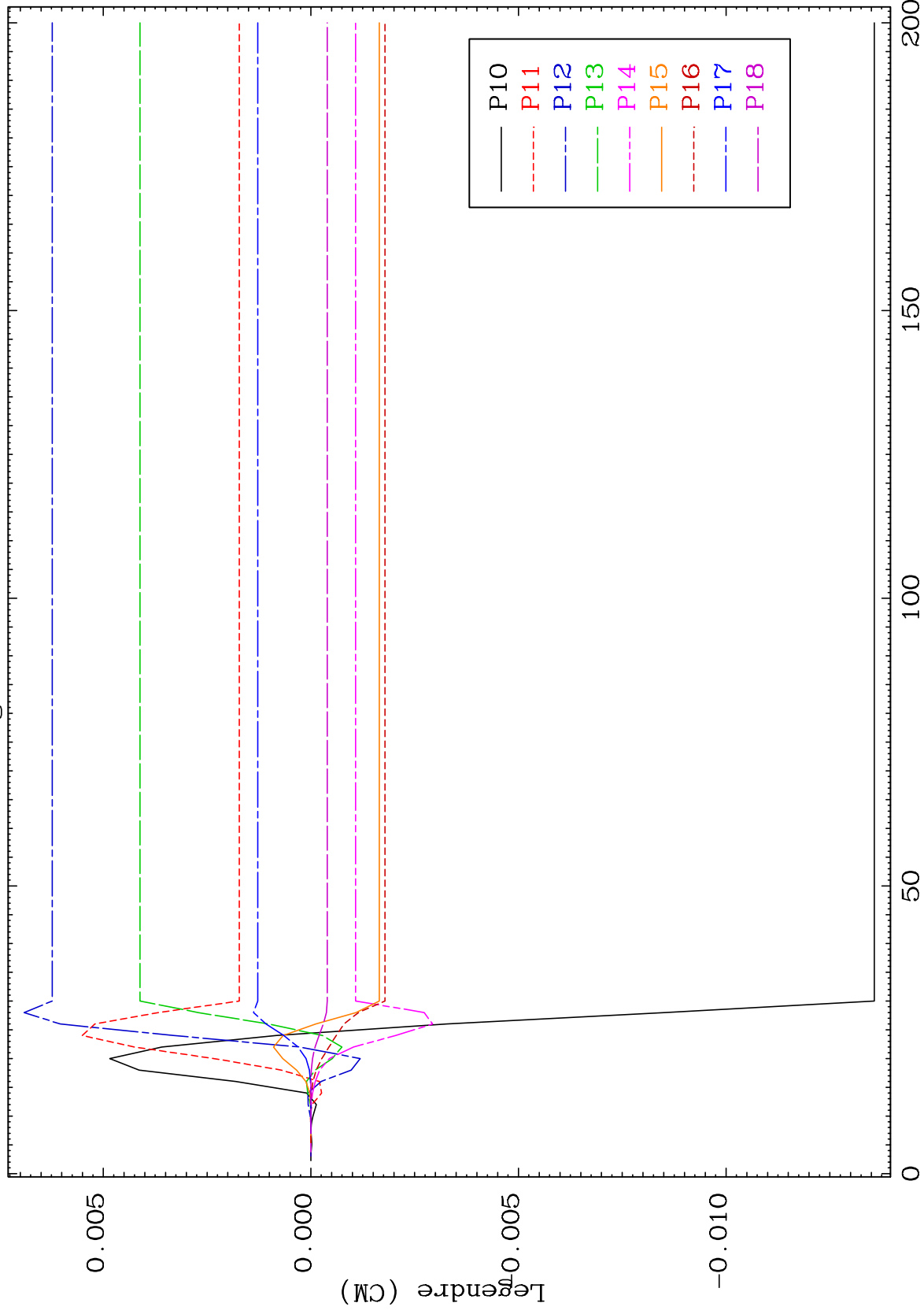
Incident Energy (MeV)

84-Po-204

MAT 8419

2.227 MeV (n,n') Level
Legendre Coefficients

84-Po-204



72

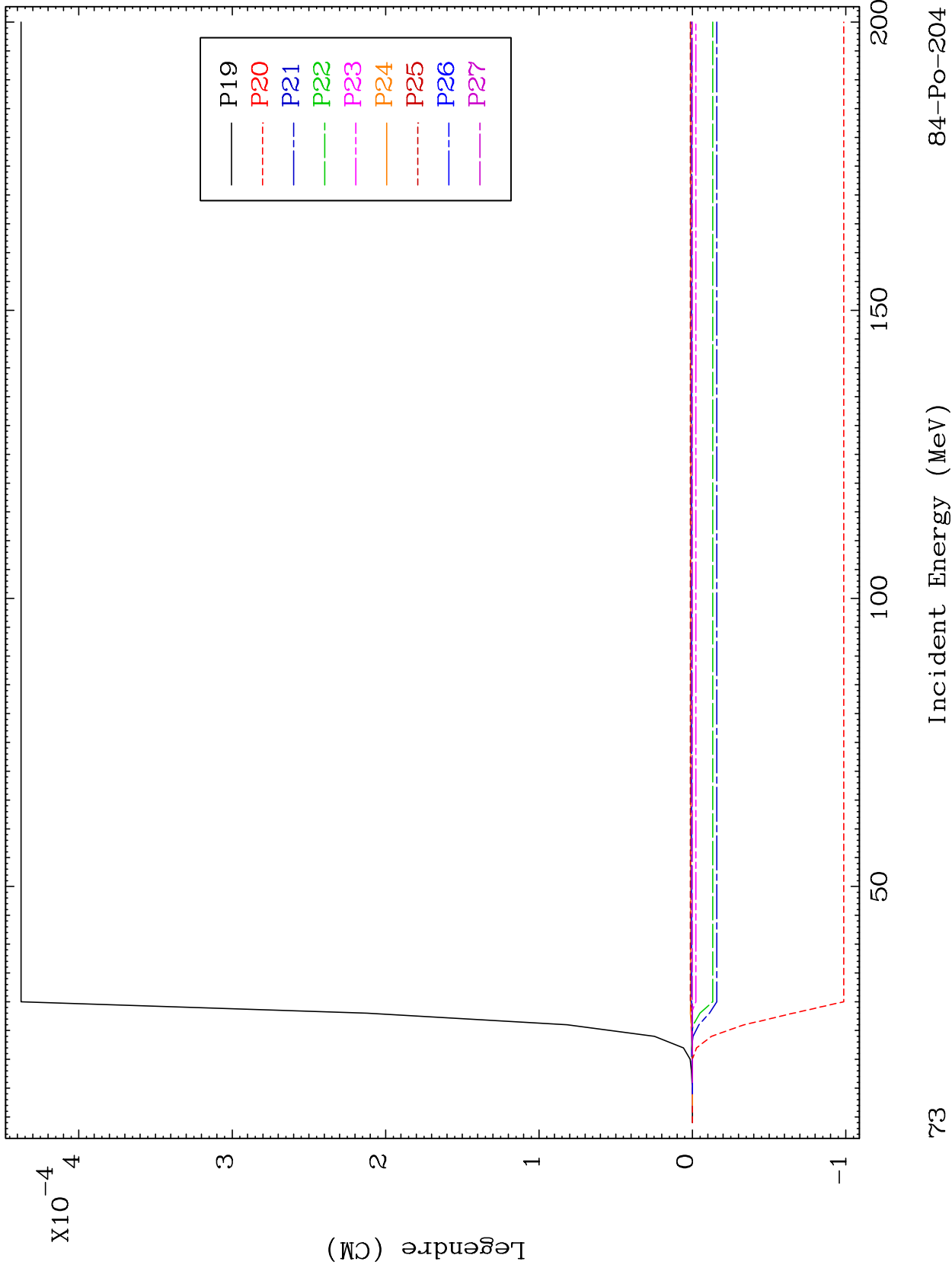
Incident Energy (MeV)

84-Po-204

MAT 8419

2.227 MeV (n, n') Level
Legendre Coefficients

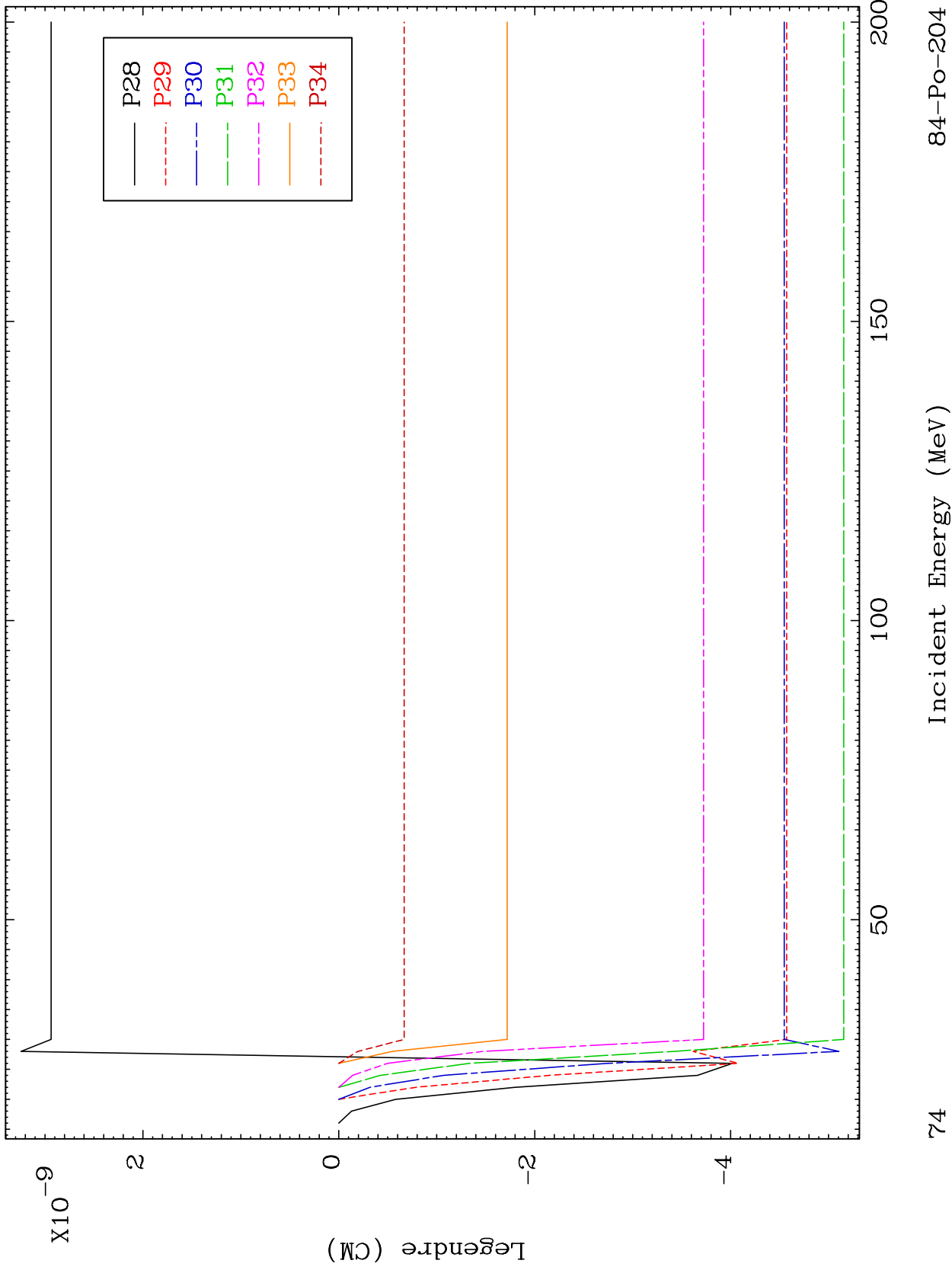
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MAT 8419

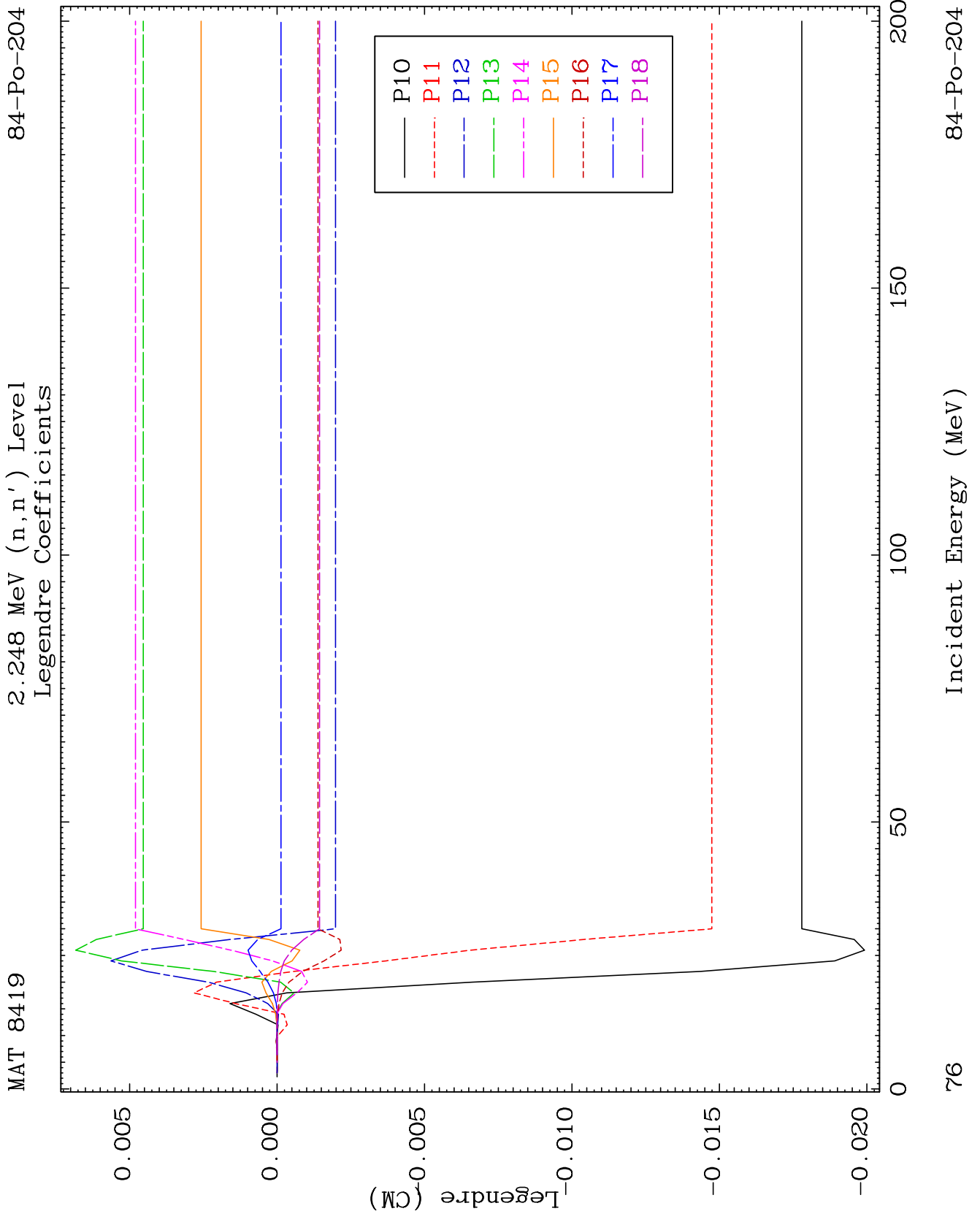
2.227 MeV (n,n') Level
Legendre Coefficients

84-Po-204



74

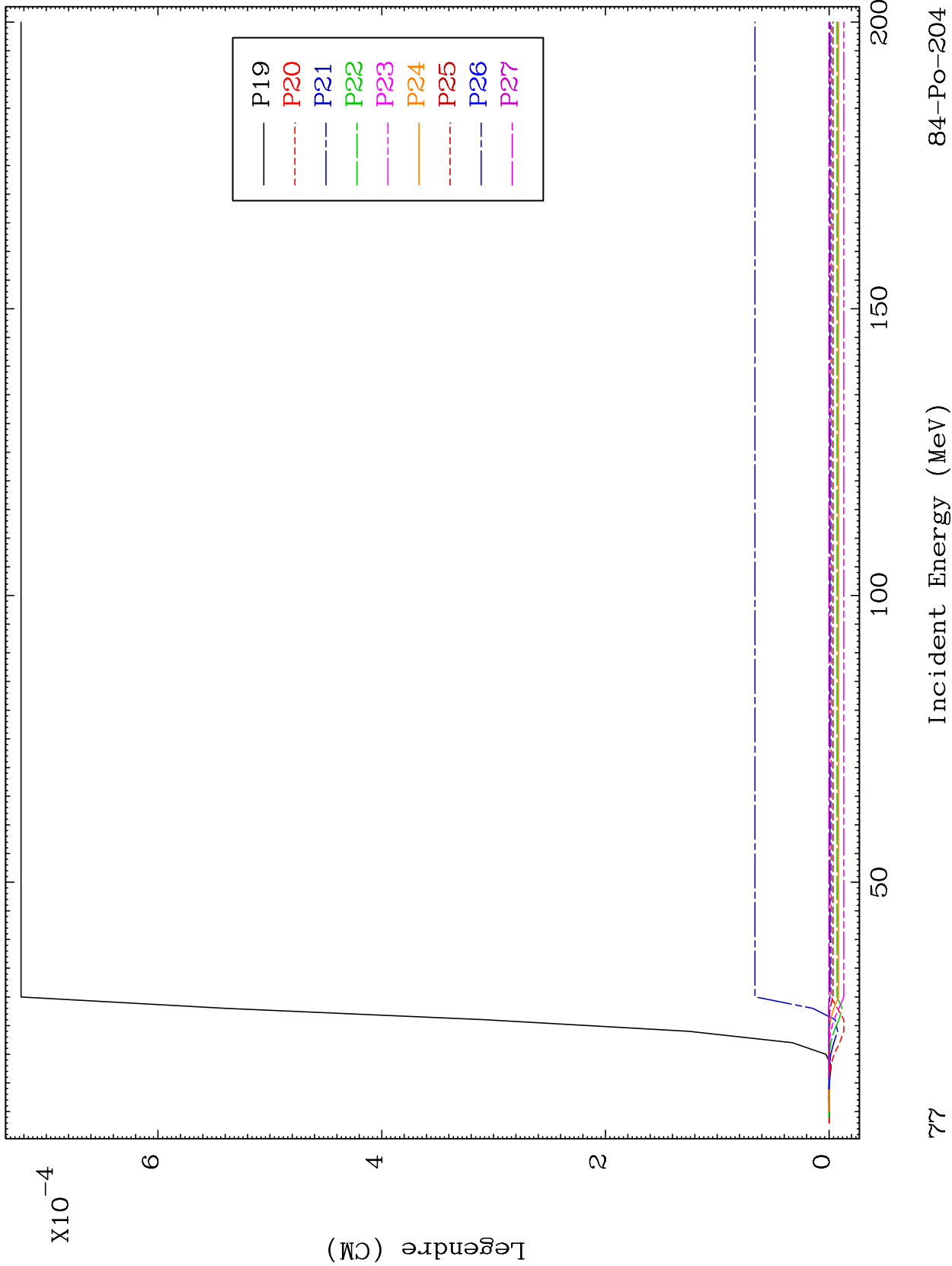
84-Po-204

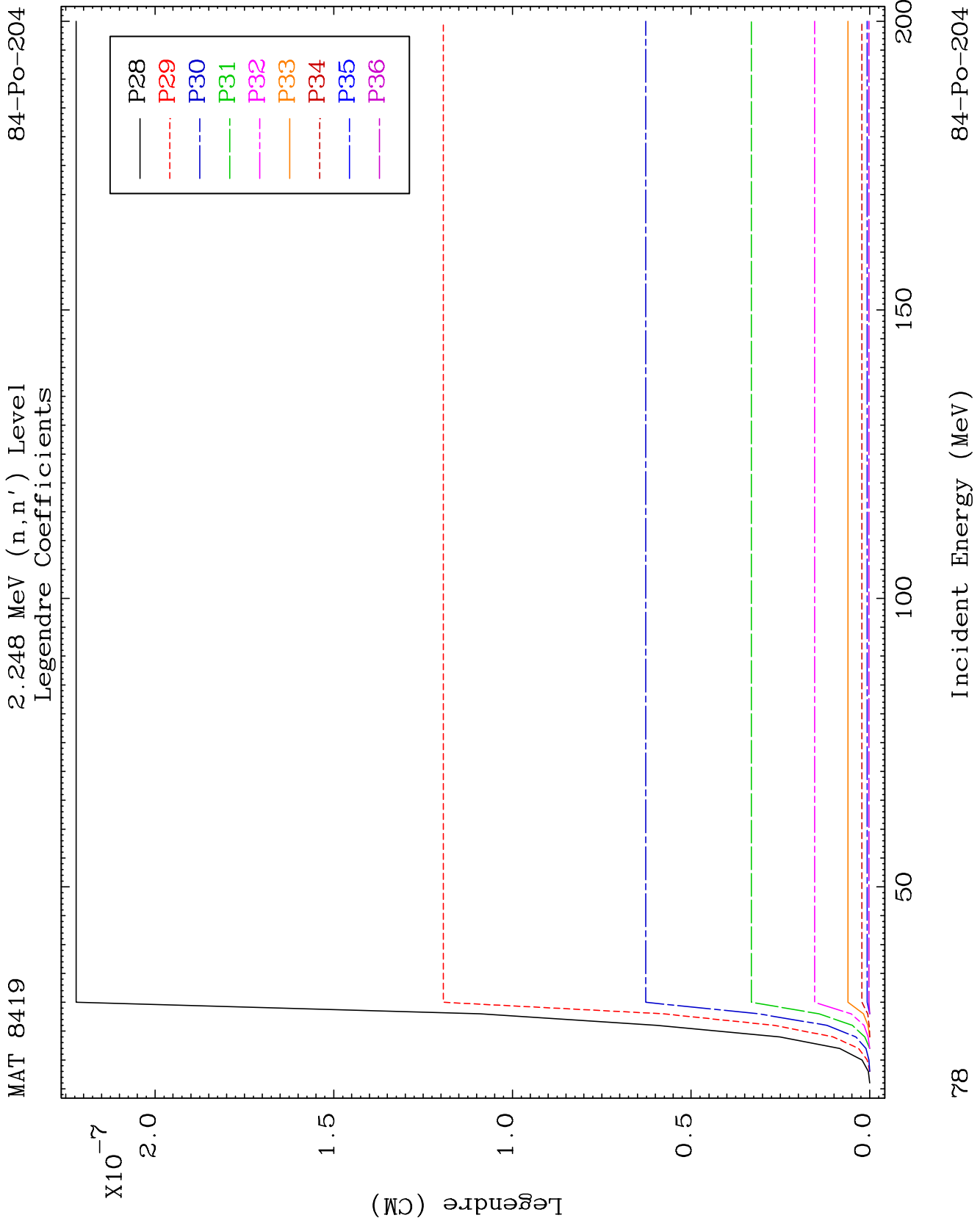


MAT 8419

2.248 MeV (n,n') Level
Legendre Coefficients

84-Po-204

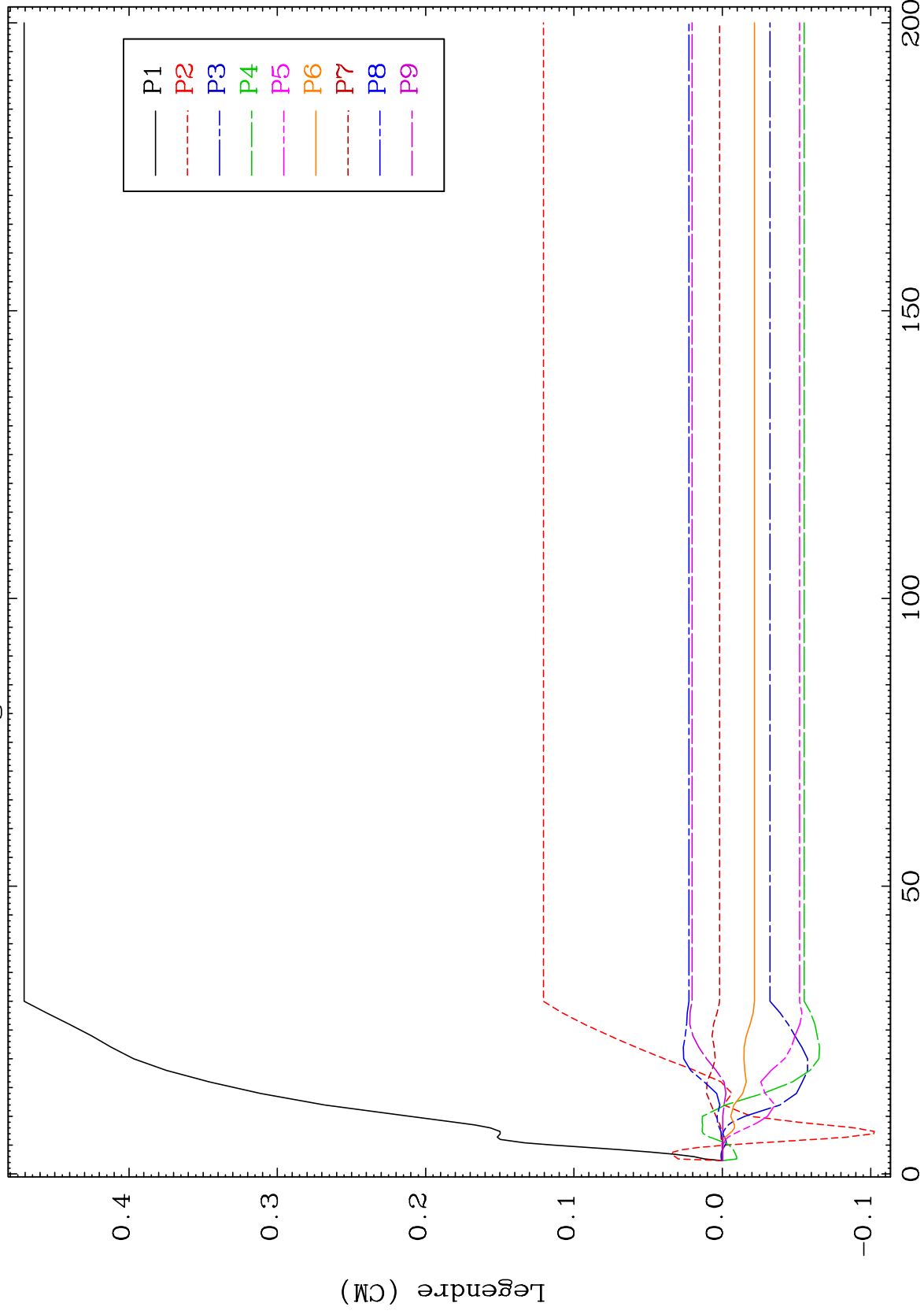




MAT 8419

2.290 MeV (n,n') Level
Legendre Coefficients

84-Po-204



79

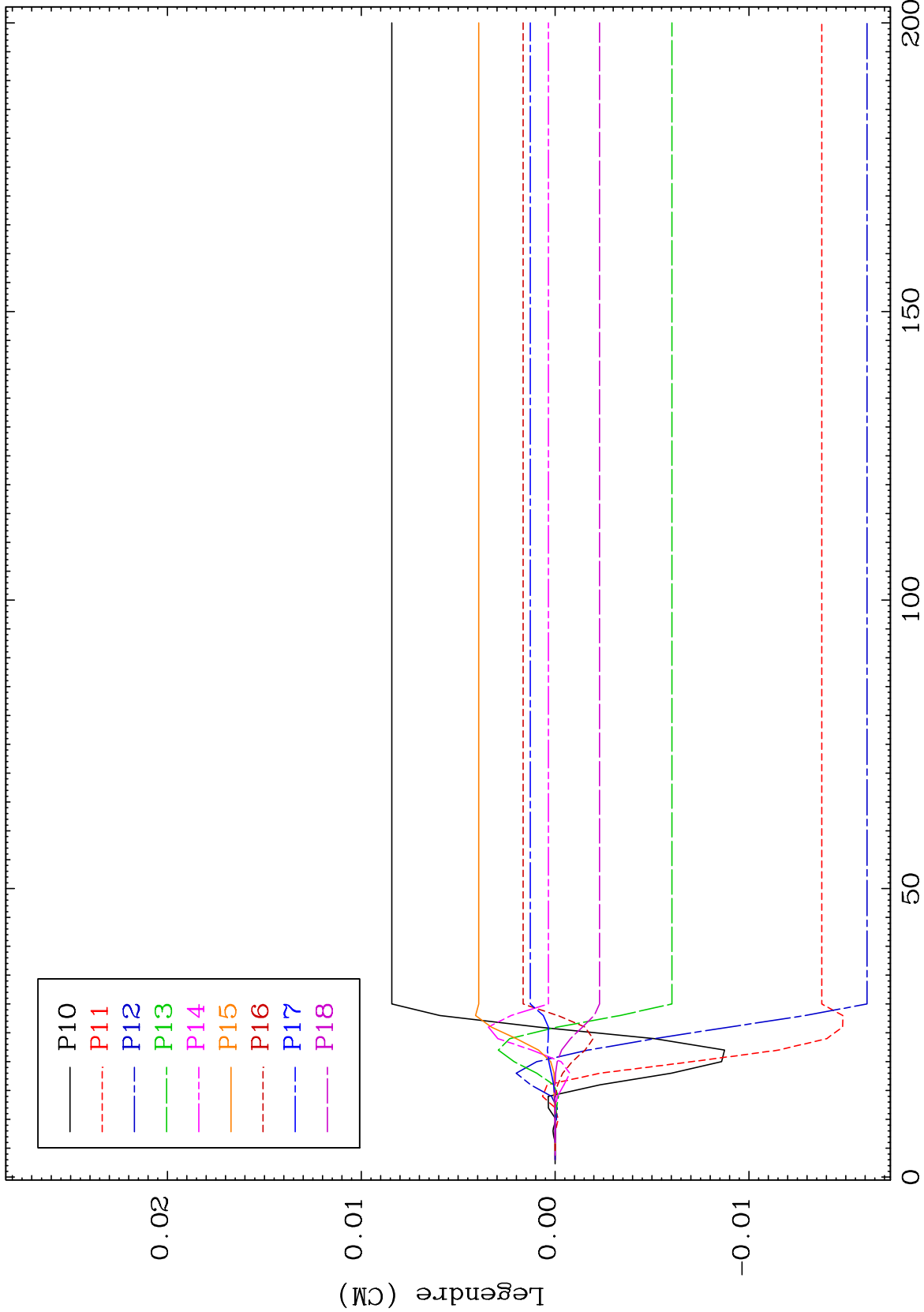
Incident Energy (MeV)

84-Po-204

MAT 8419

2.290 MeV (n,n') Level
Legendre Coefficients

84-Po-204



80

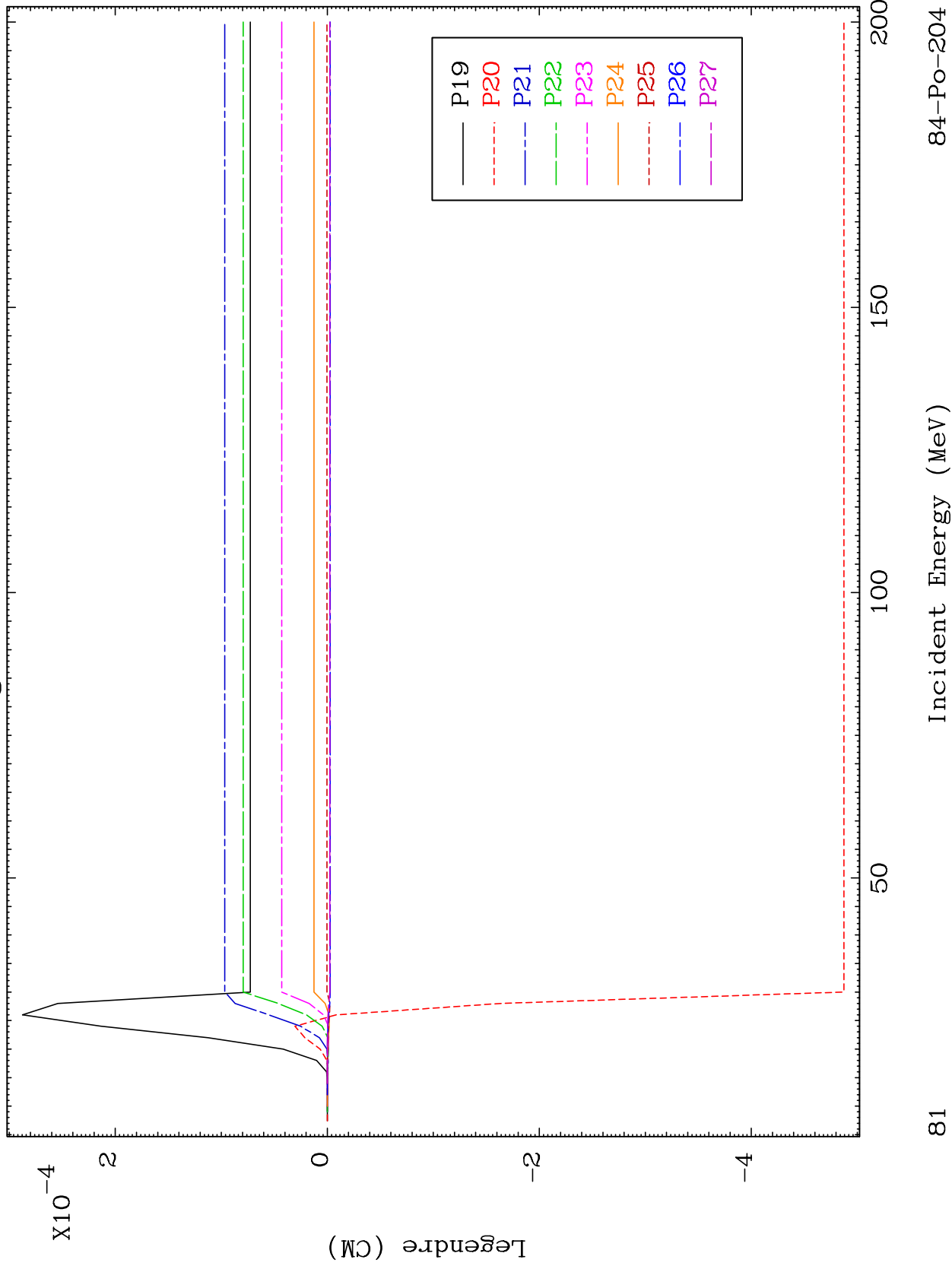
Incident Energy (MeV)

84-Po-204

MAT 8419

2.290 MeV (n,n') Level
Legendre Coefficients

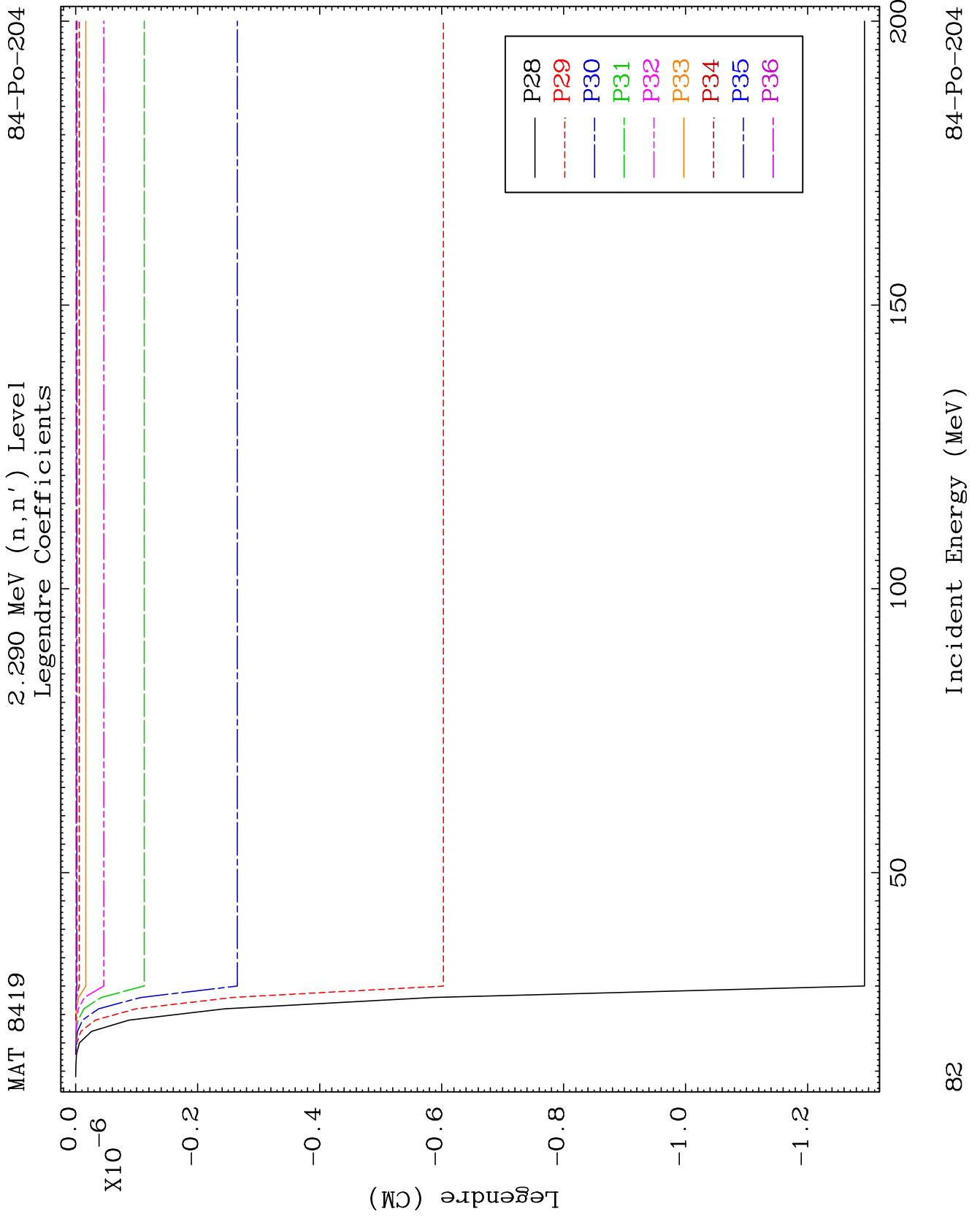
84-Po-204



81

Incident Energy (MeV)

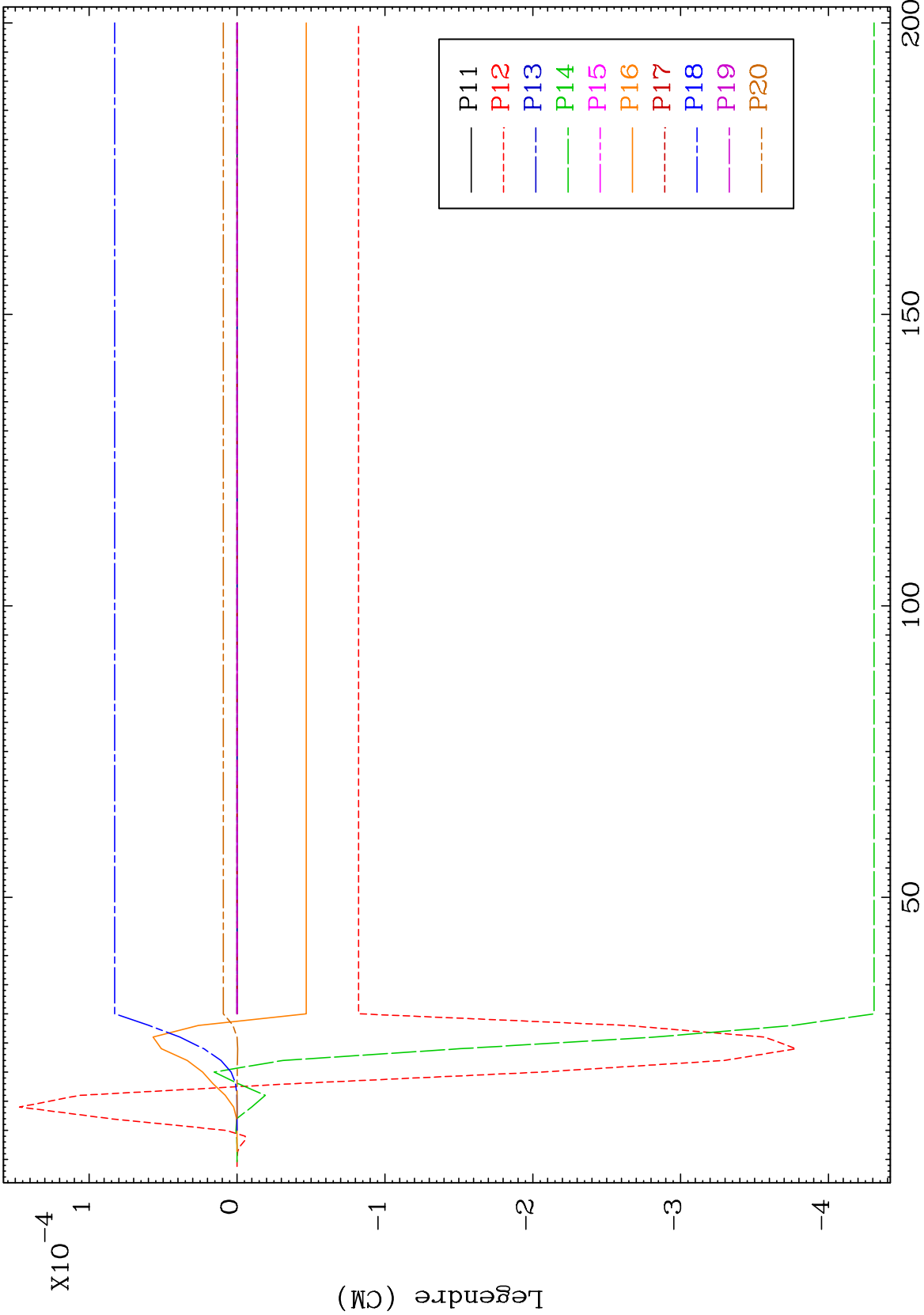
84-Po-204



MAT 8419

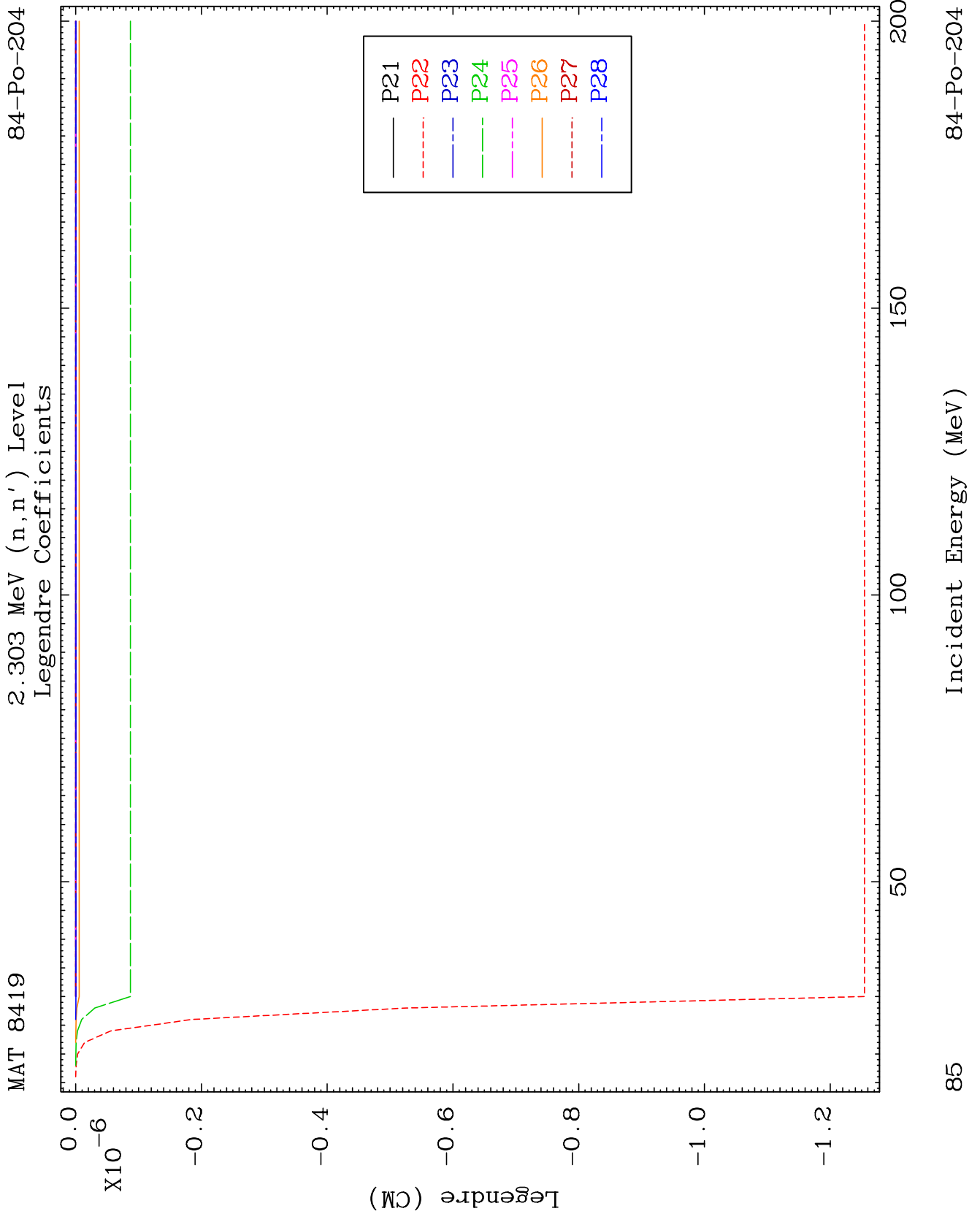
2.303 MeV (n,n') Level
Legendre Coefficients

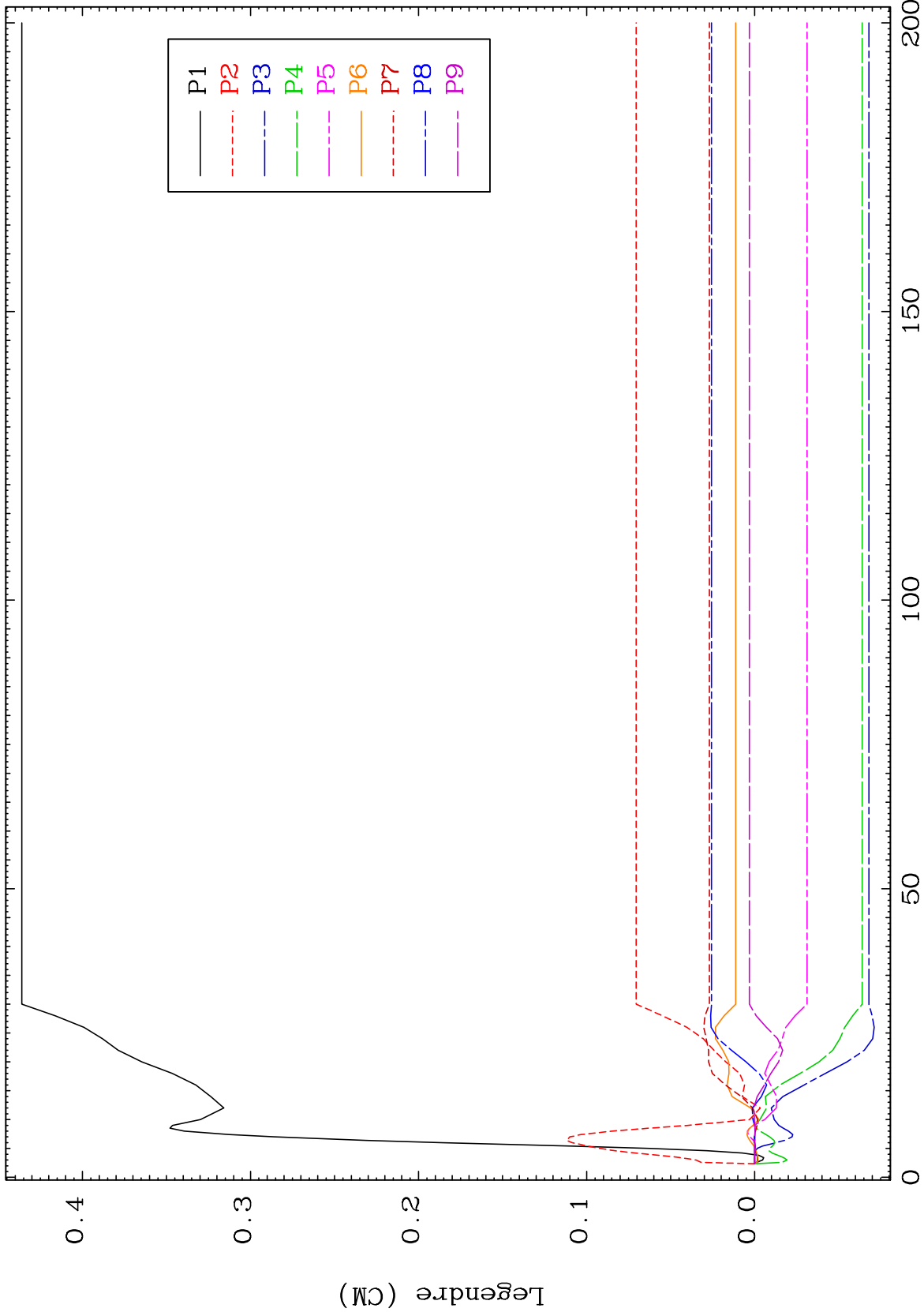
84-Po-204



84

84-Po-204

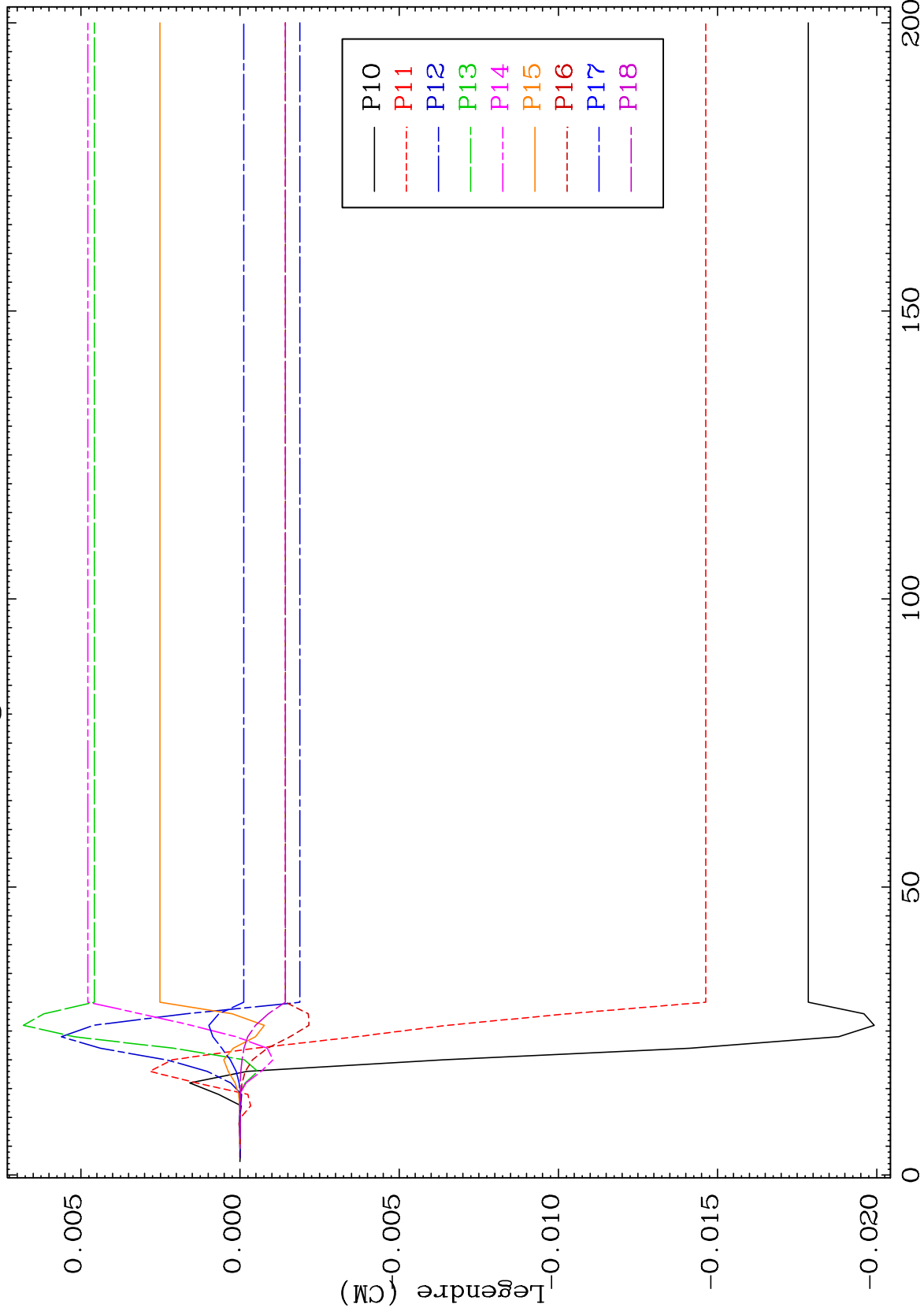




MAT 8419

2.324 MeV (n,n') Level
Legendre Coefficients

84-Po-204



87

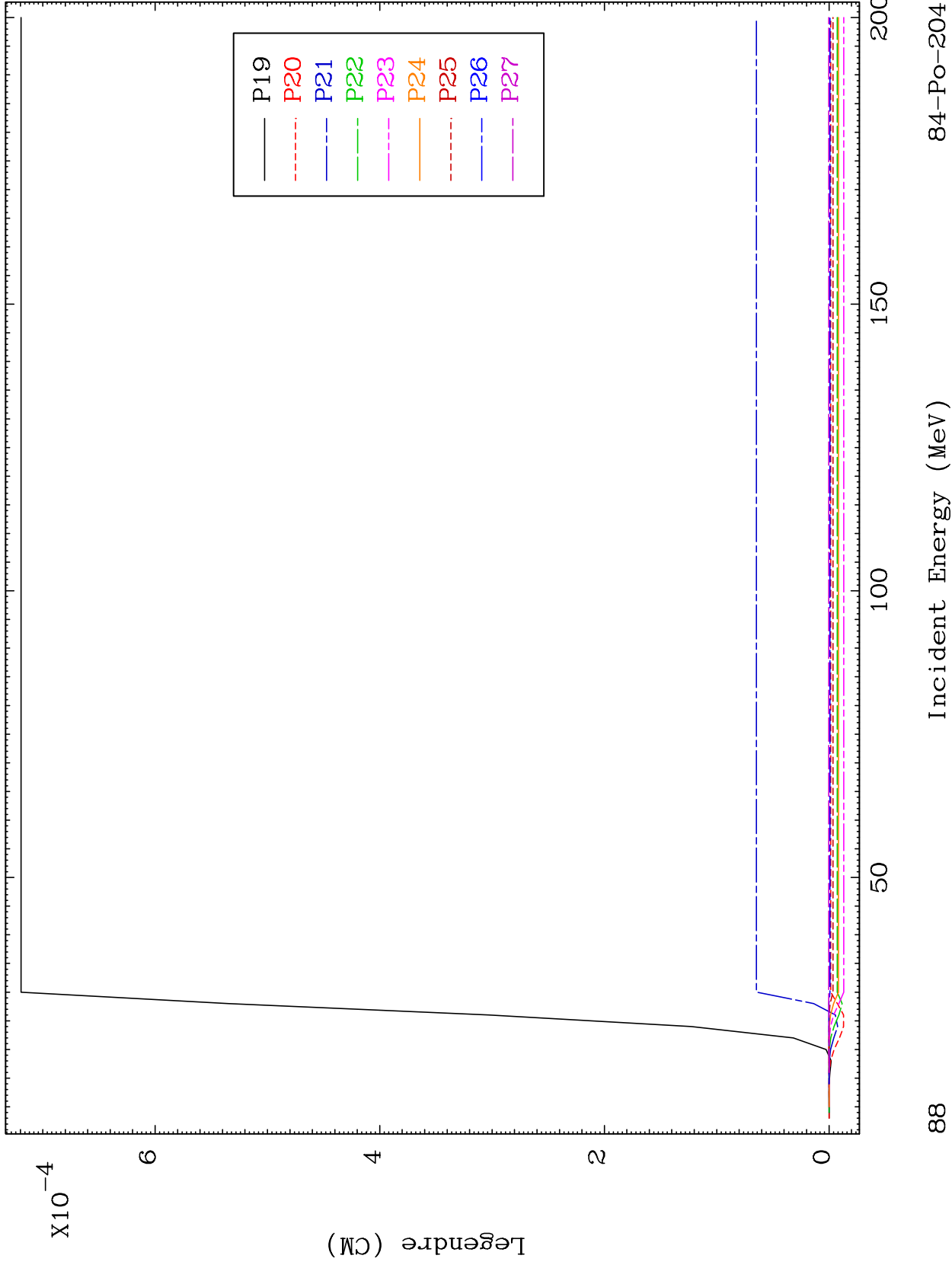
Incident Energy (MeV)

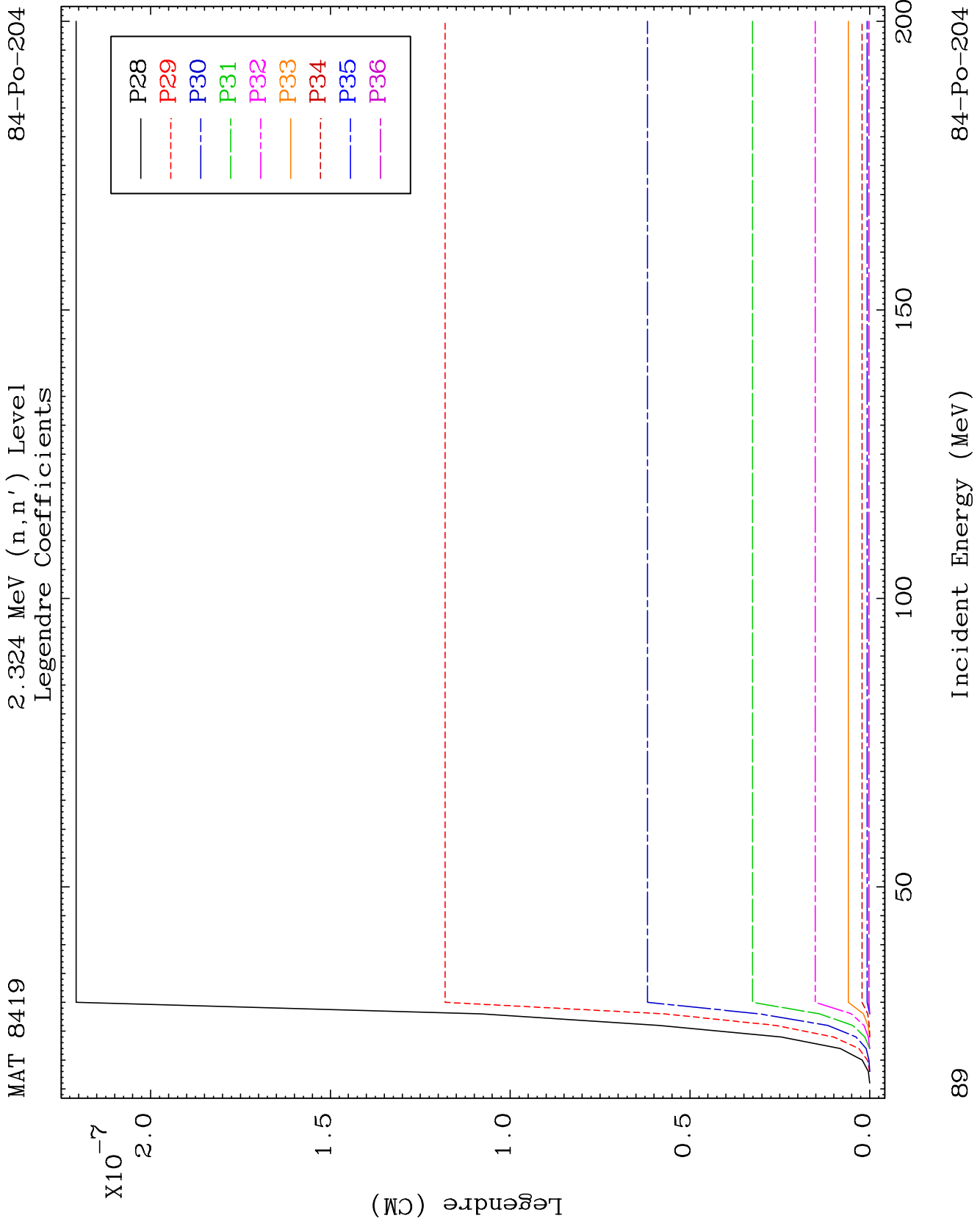
84-Po-204

MAT 8419

2.324 MeV (n,n') Level
Legendre Coefficients

84-Po-204

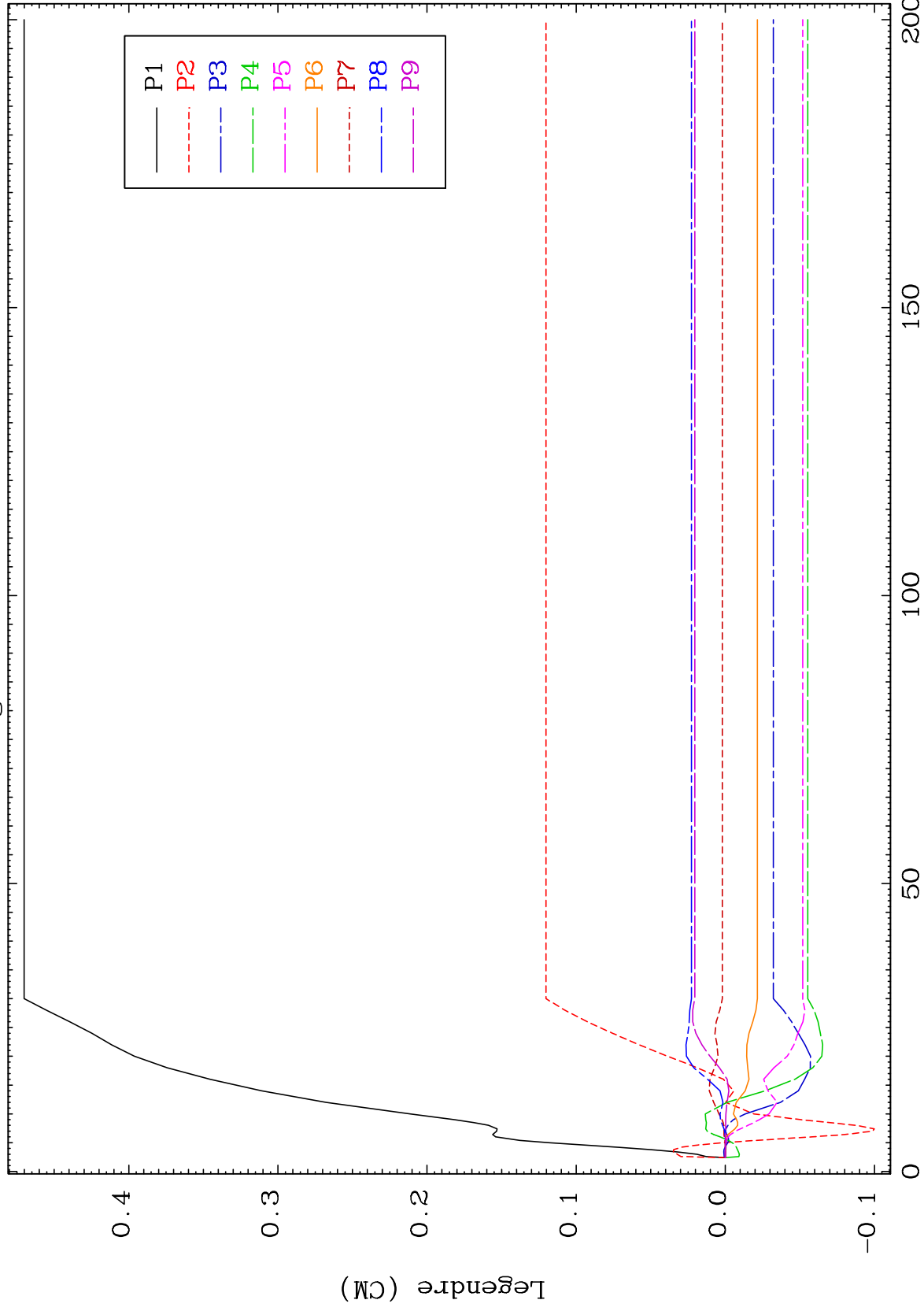




MAT 8419

2.376 MeV (n,n') Level
Legendre Coefficients

84-Po-204



90

Incident Energy (MeV)

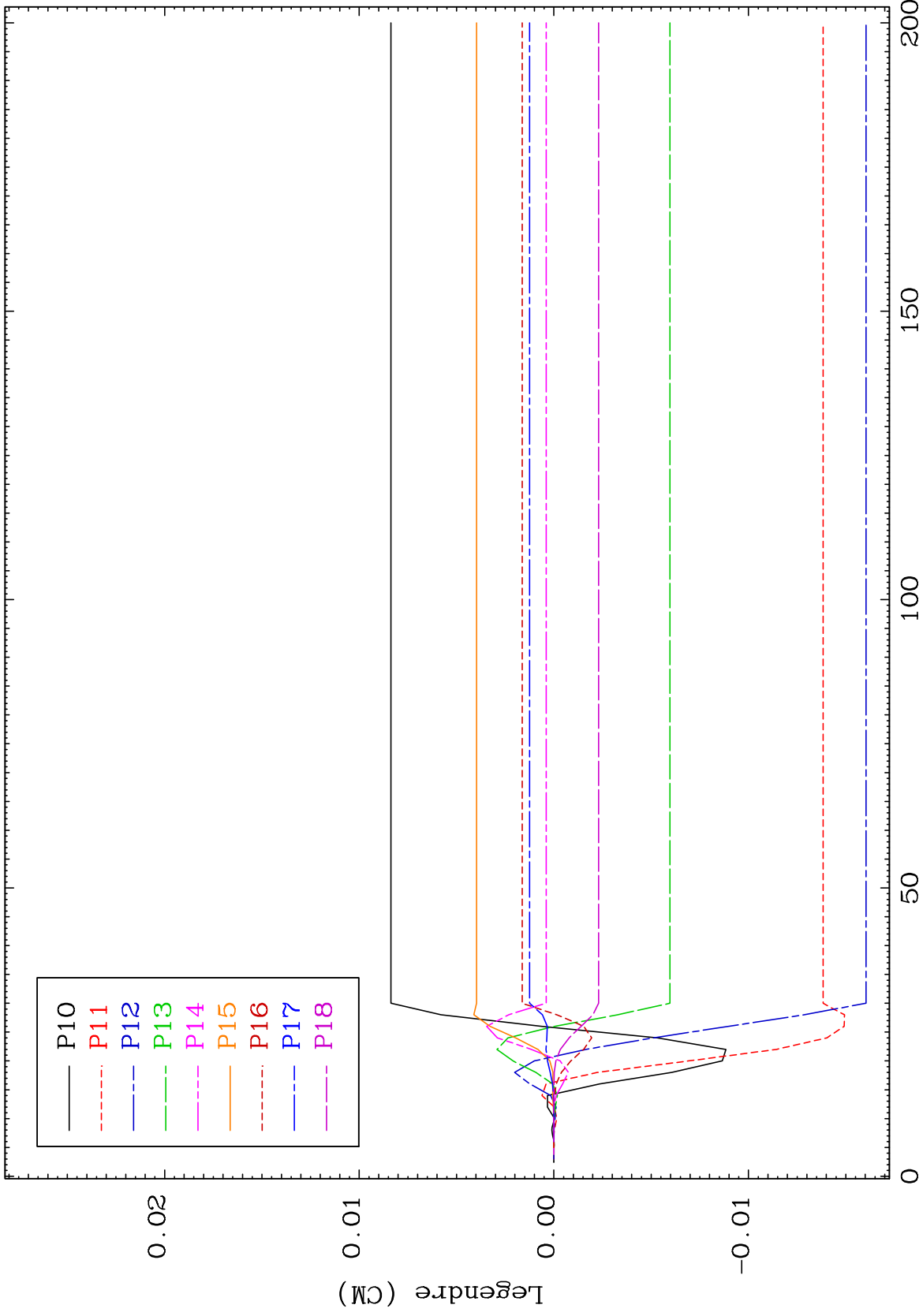
200

84-Po-204

MAT 8419

2.376 MeV (n,n') Level
Legendre Coefficients

84-Po-204



91

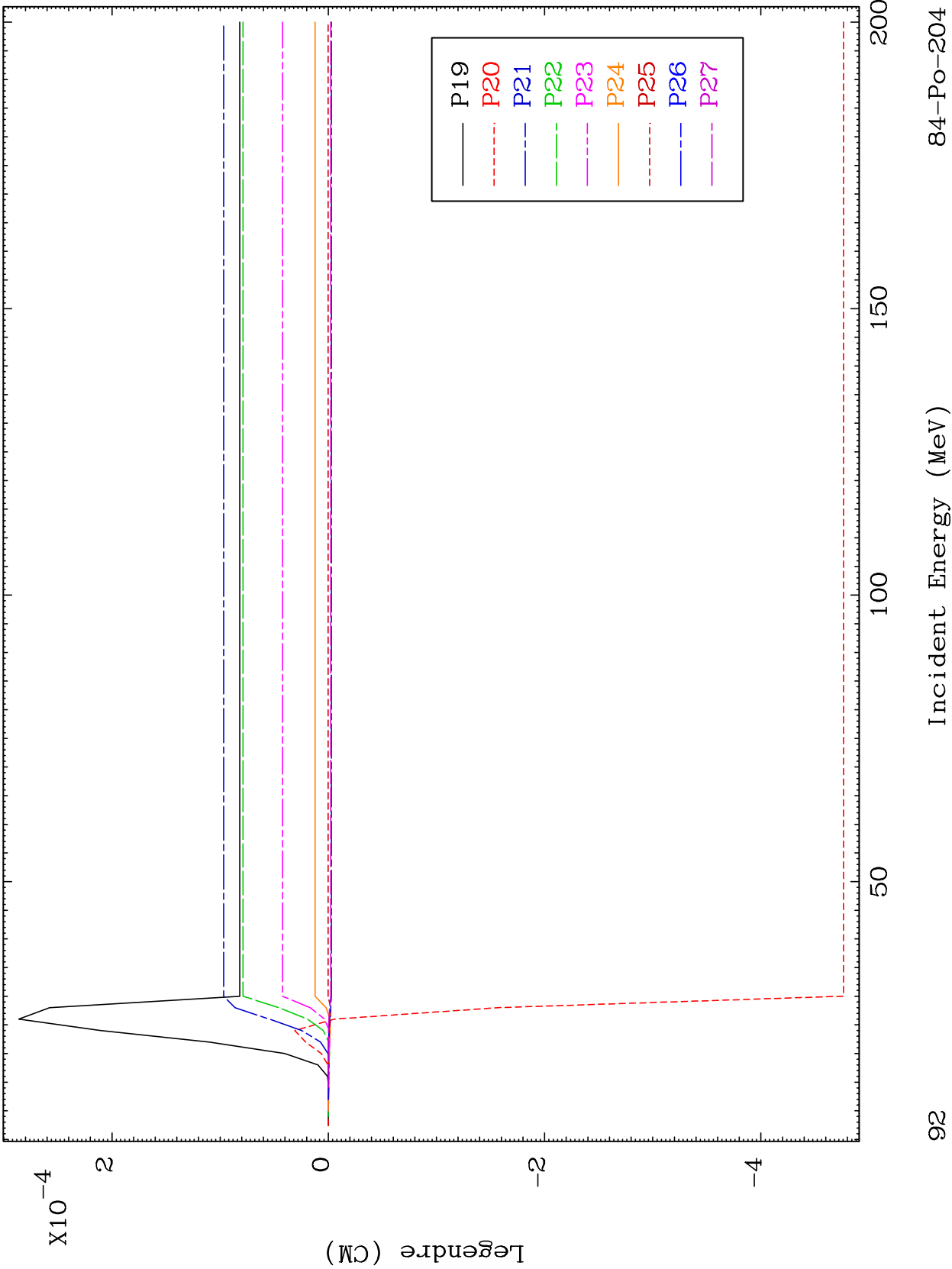
Incident Energy (MeV)

84-Po-204

MAT 8419

2.376 MeV (n,n') Level
Legendre Coefficients

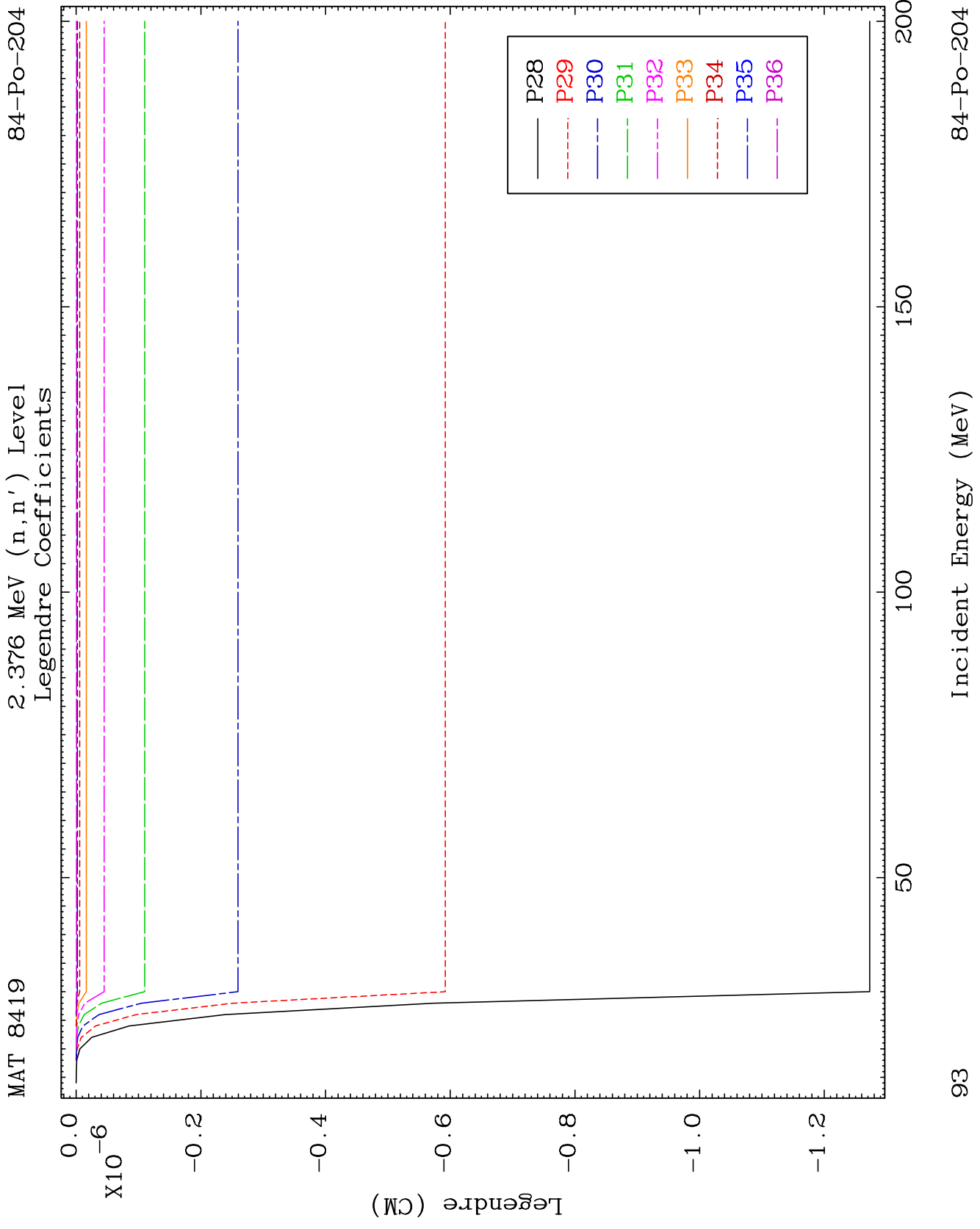
84-Po-204

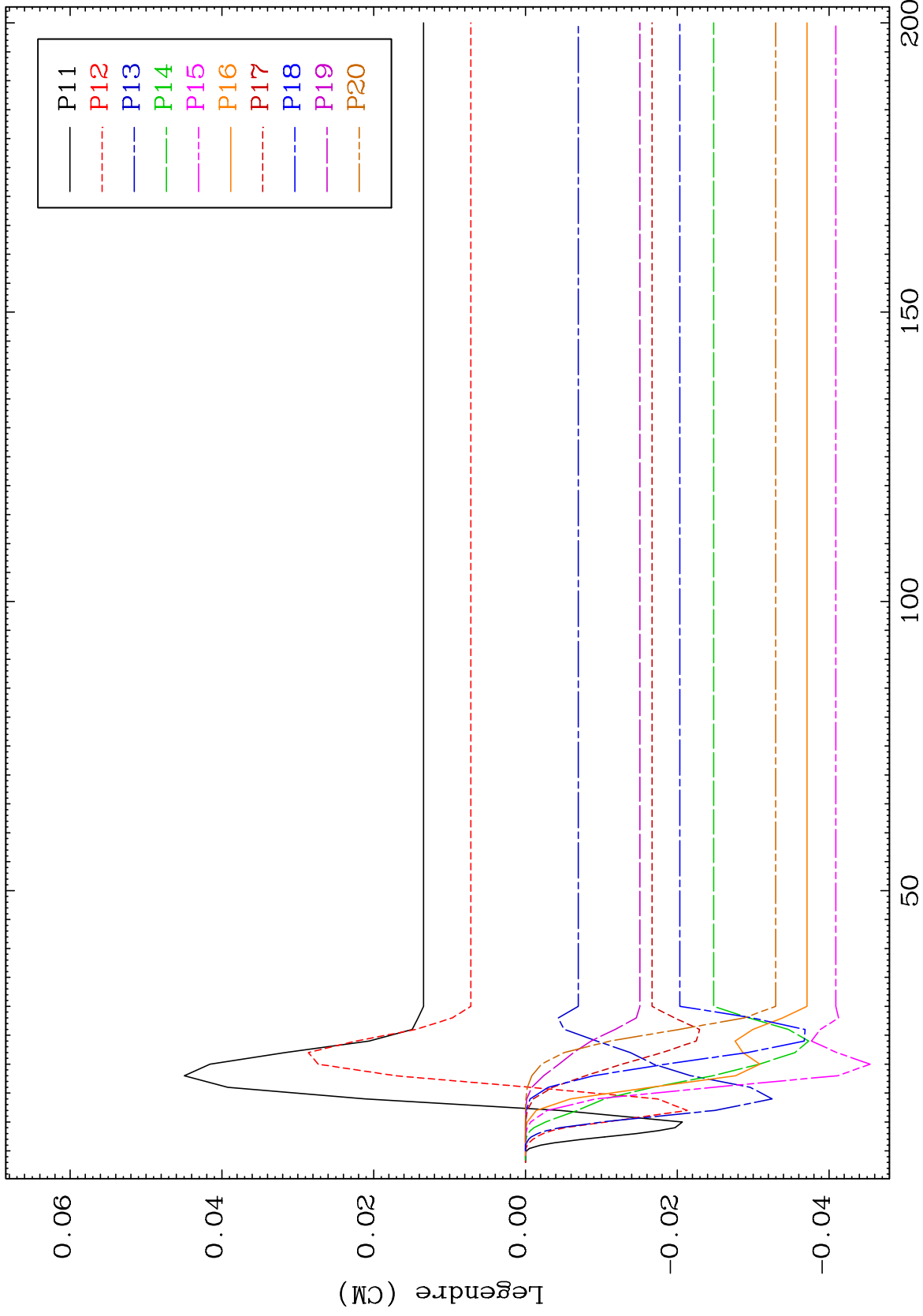


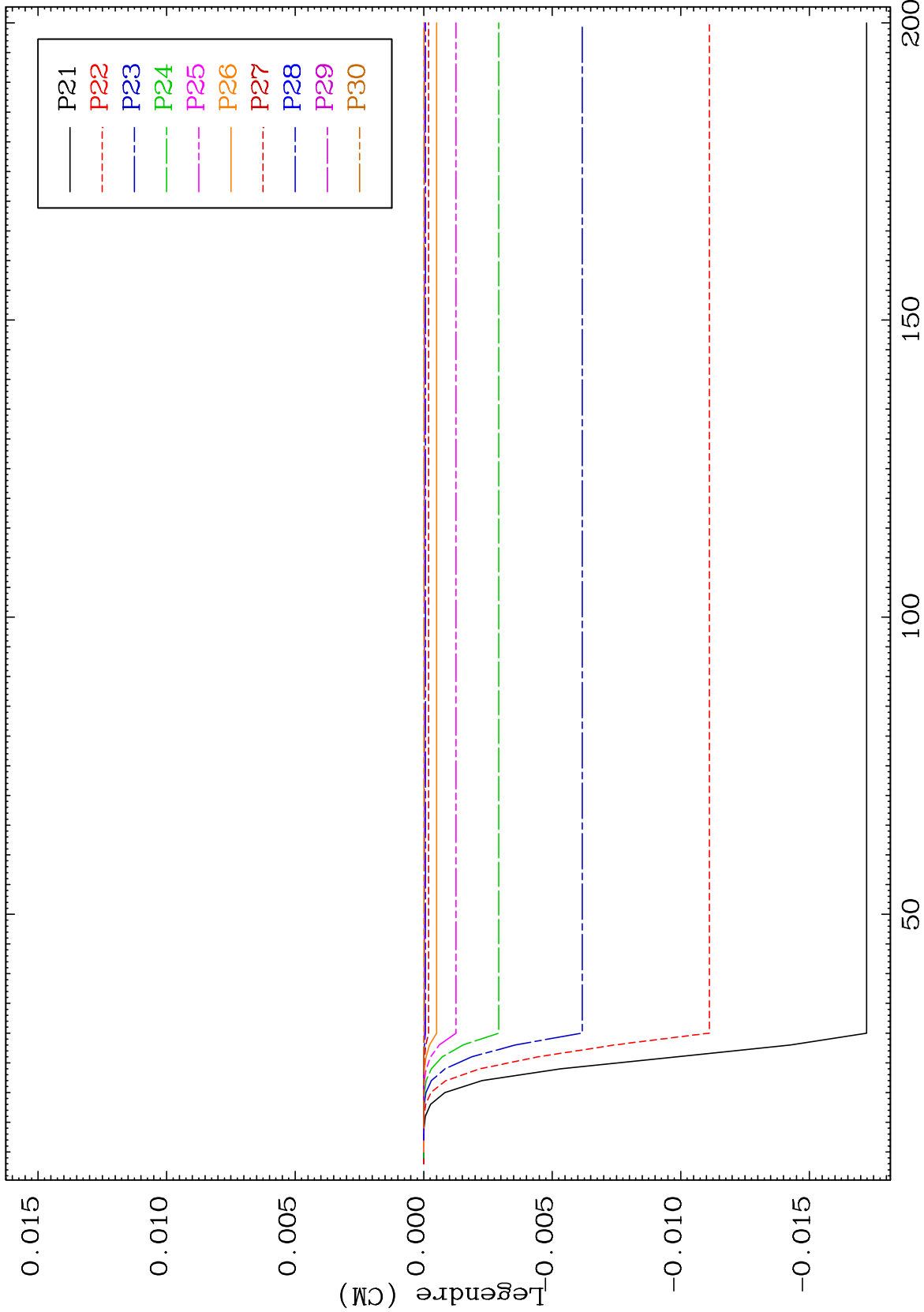
92

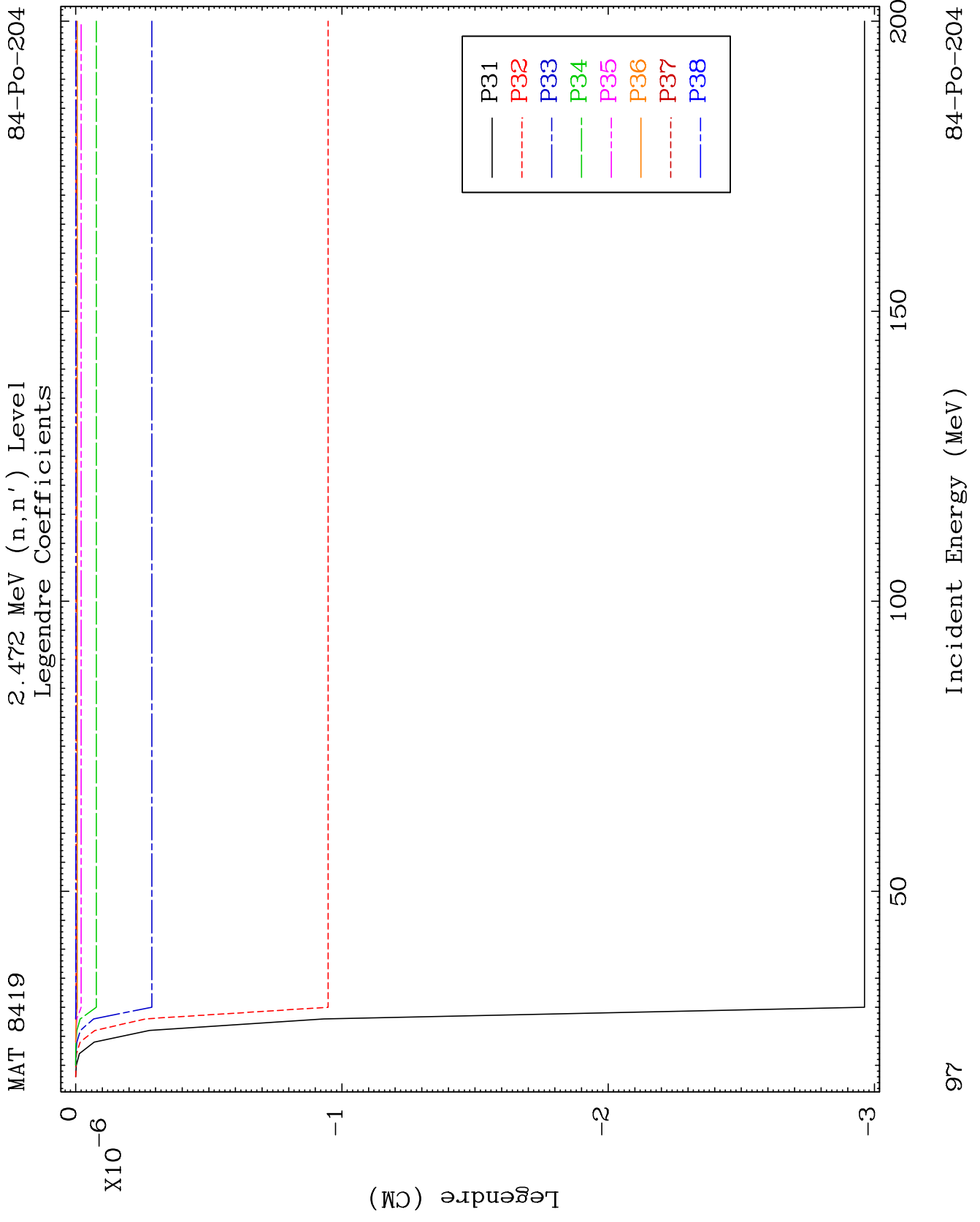
Incident Energy (MeV)

84-Po-204





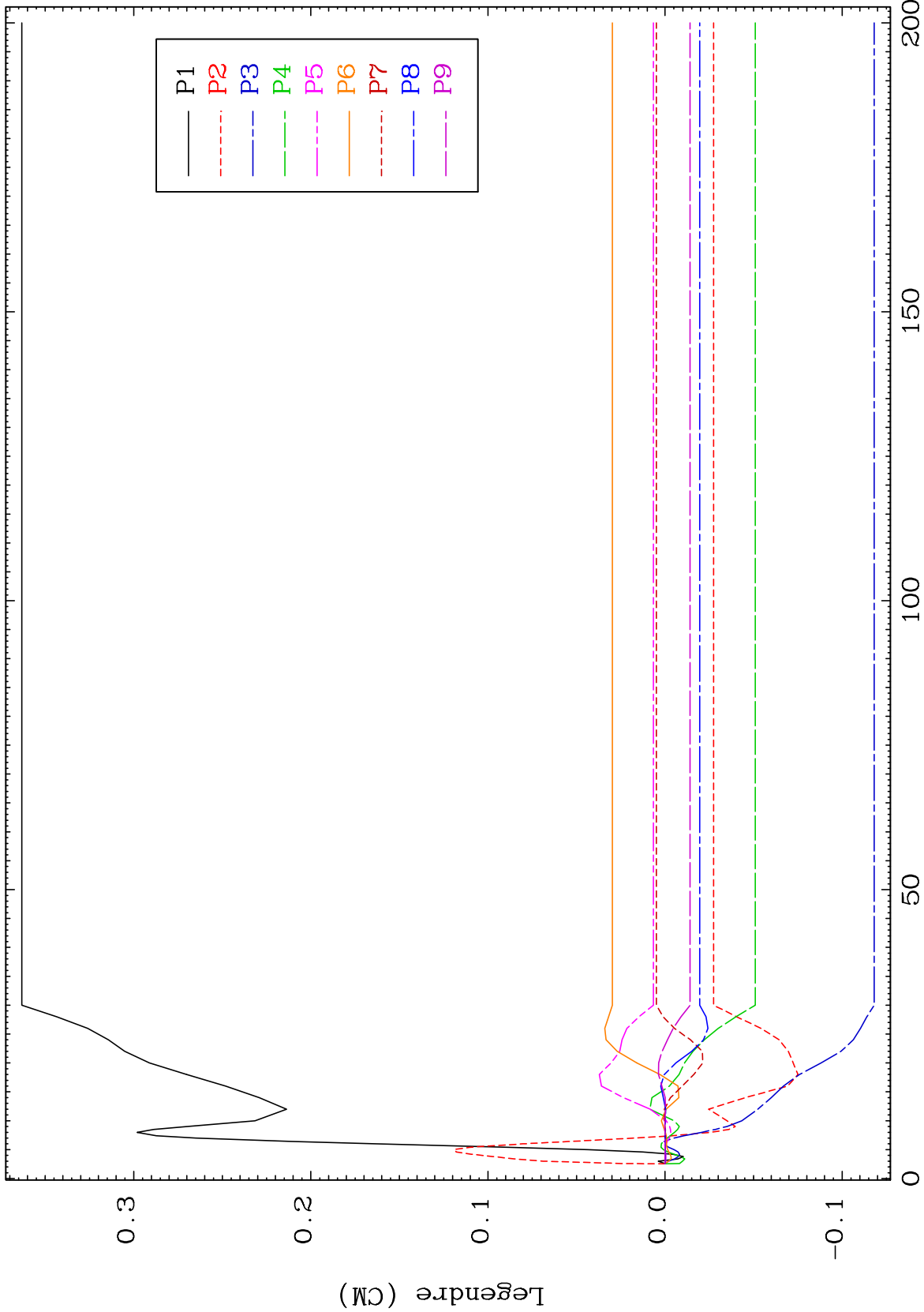




MAT 8419

2.527 MeV (n, n') Level
Legendre Coefficients

84-Po-204



98

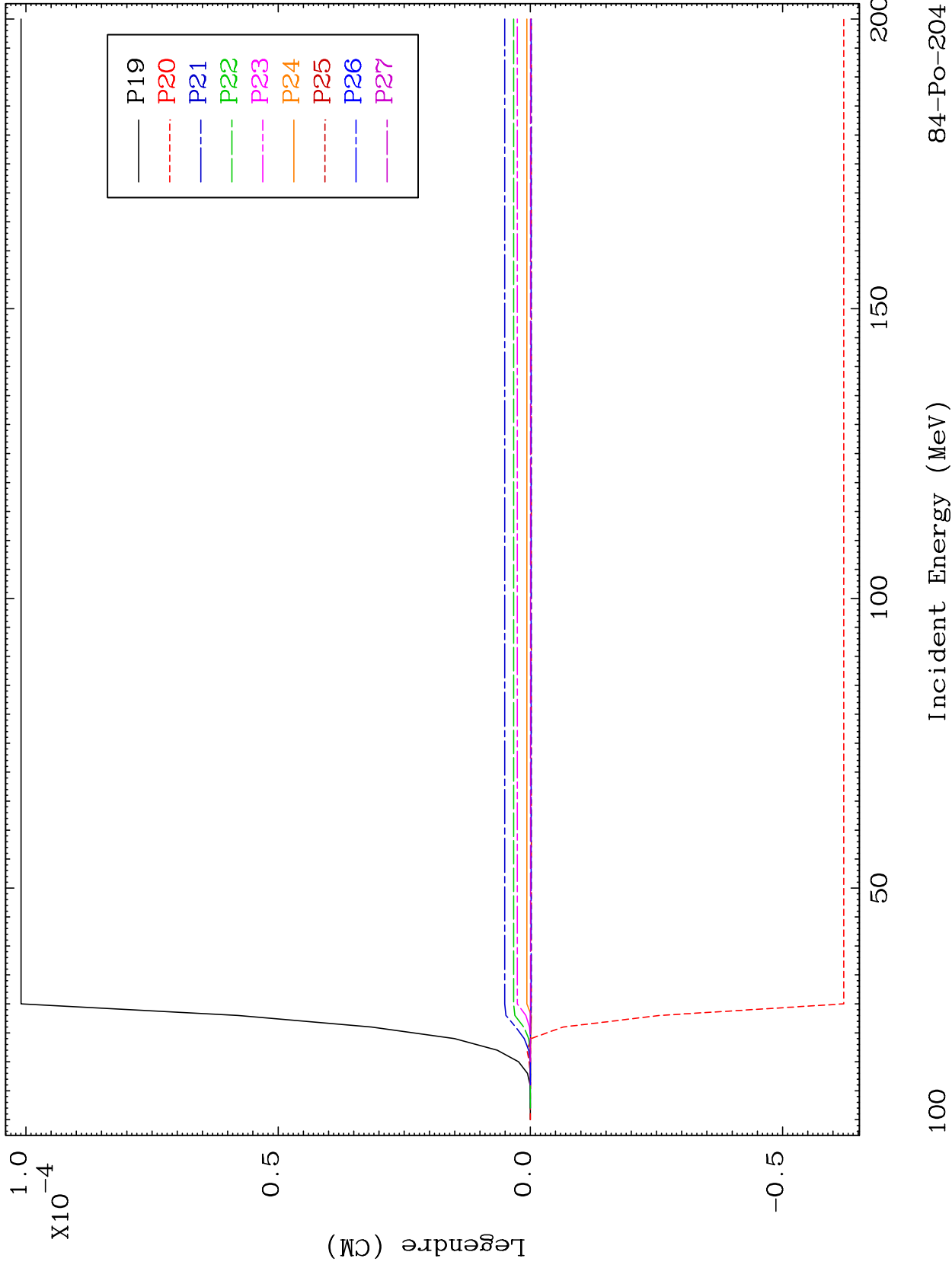
Incident Energy (MeV)

84-Po-204

MAT 8419

2.527 MeV (n, n') Level
Legendre Coefficients

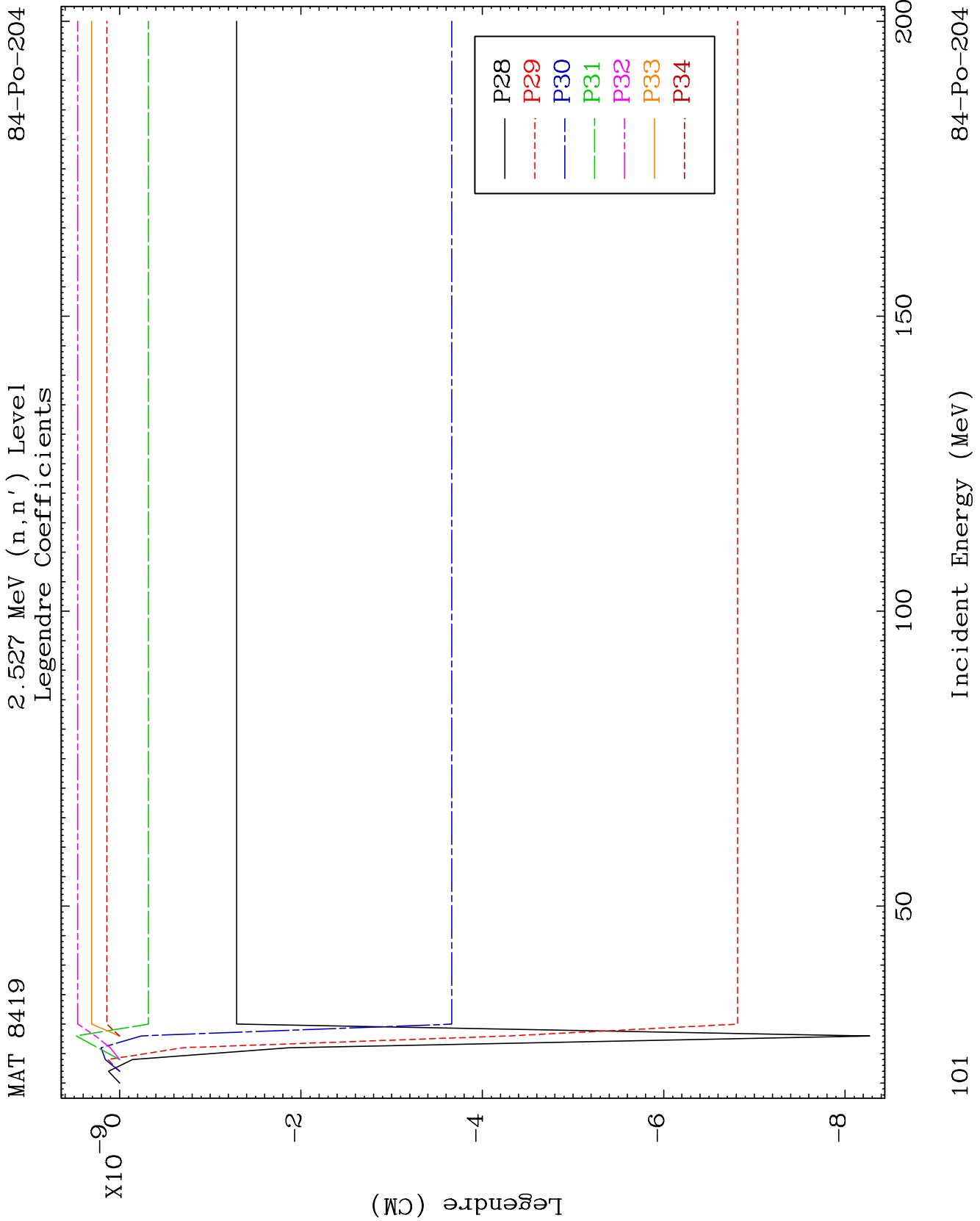
84-Po-204

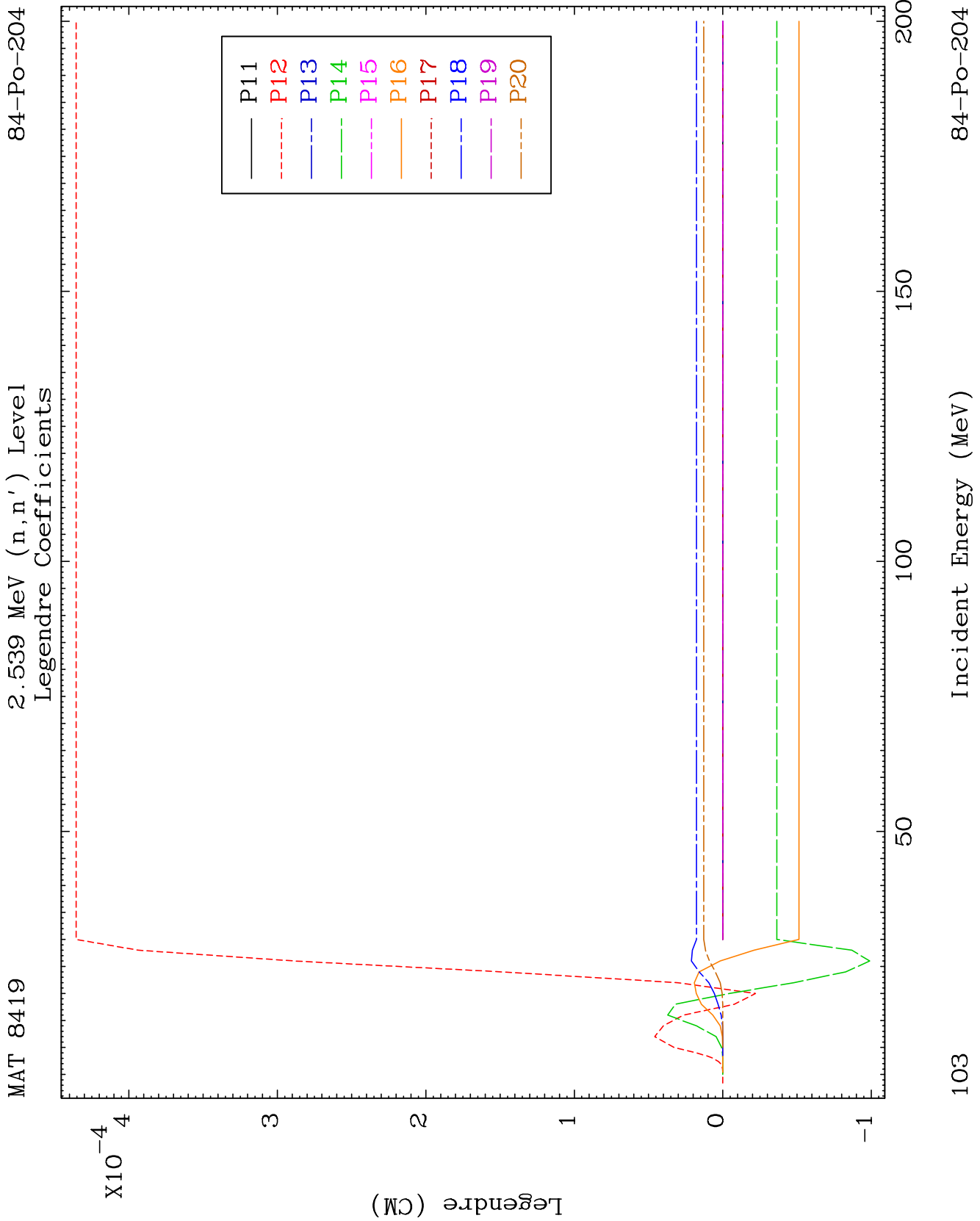


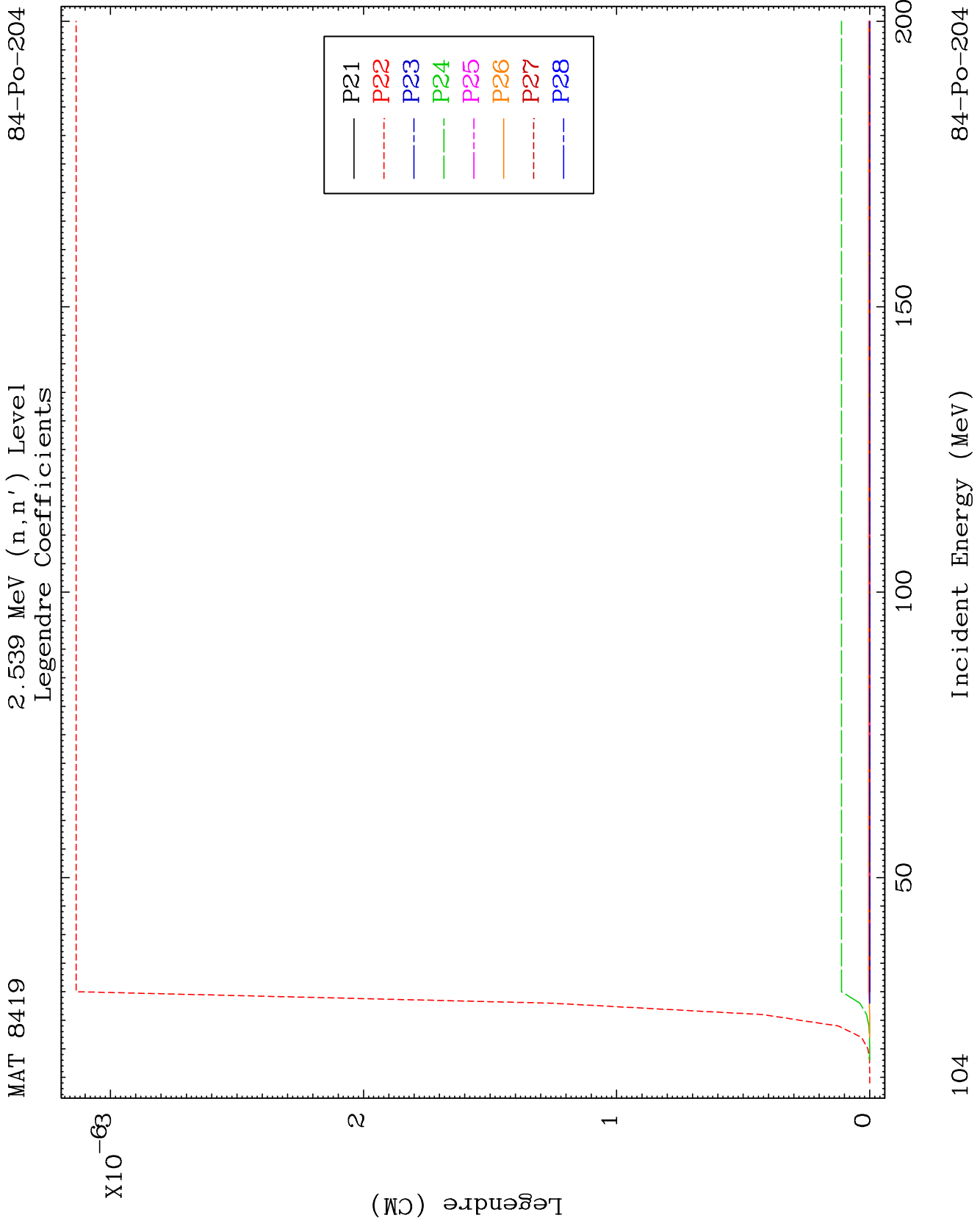
100

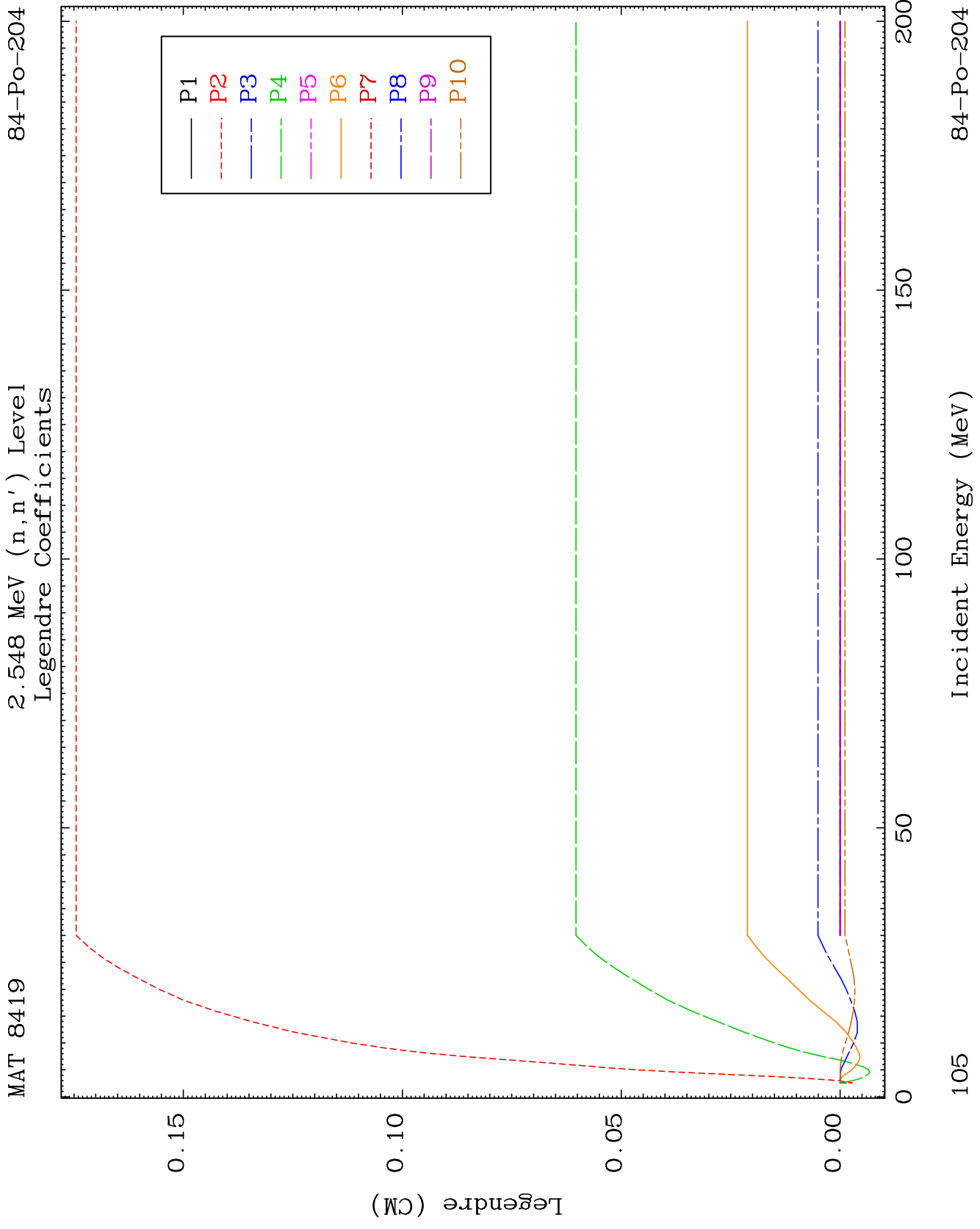
Incident Energy (MeV)

84-Po-204





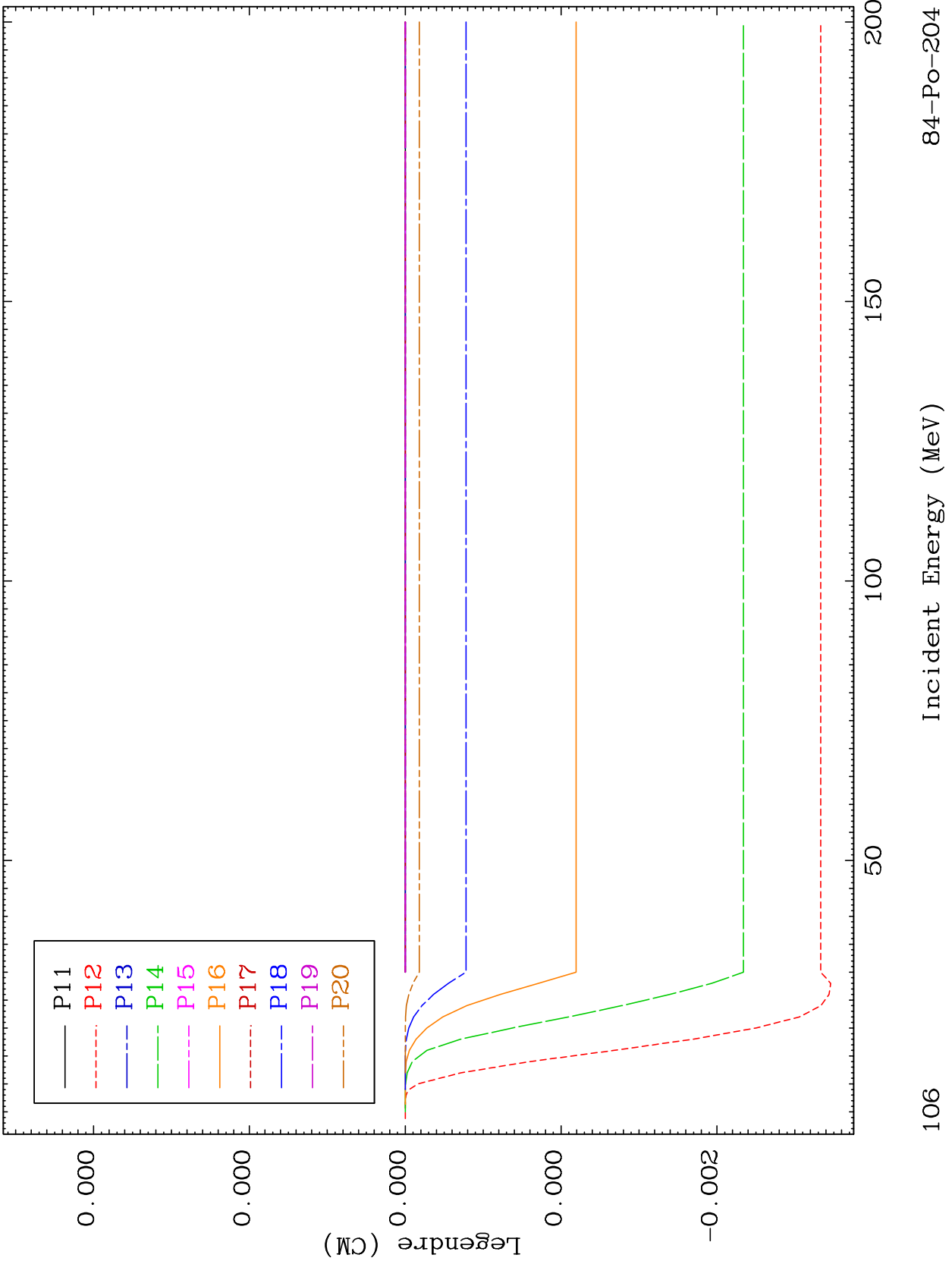




MAT 8419

2.548 MeV (n,n') Level
Legendre Coefficients

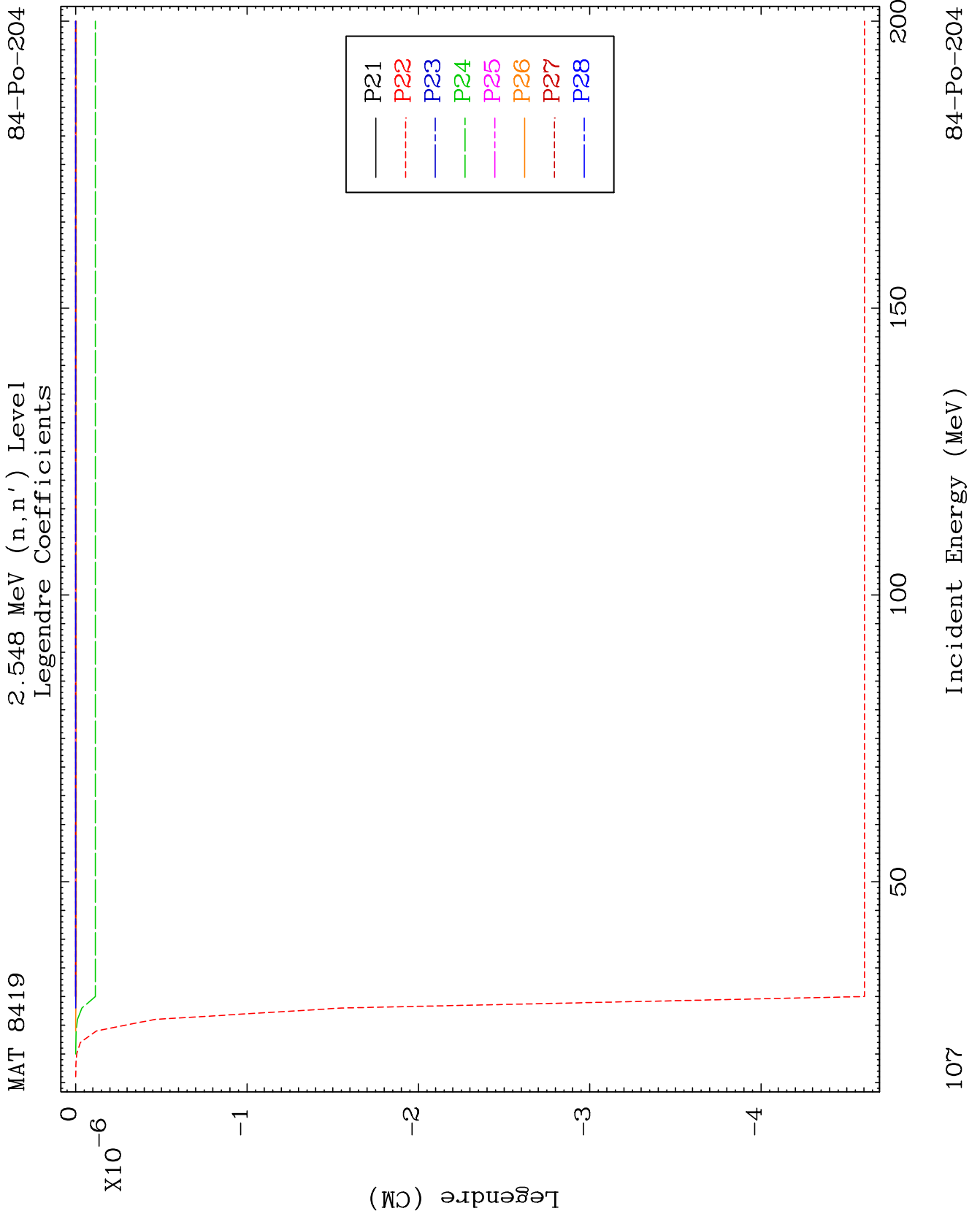
84-Po-204

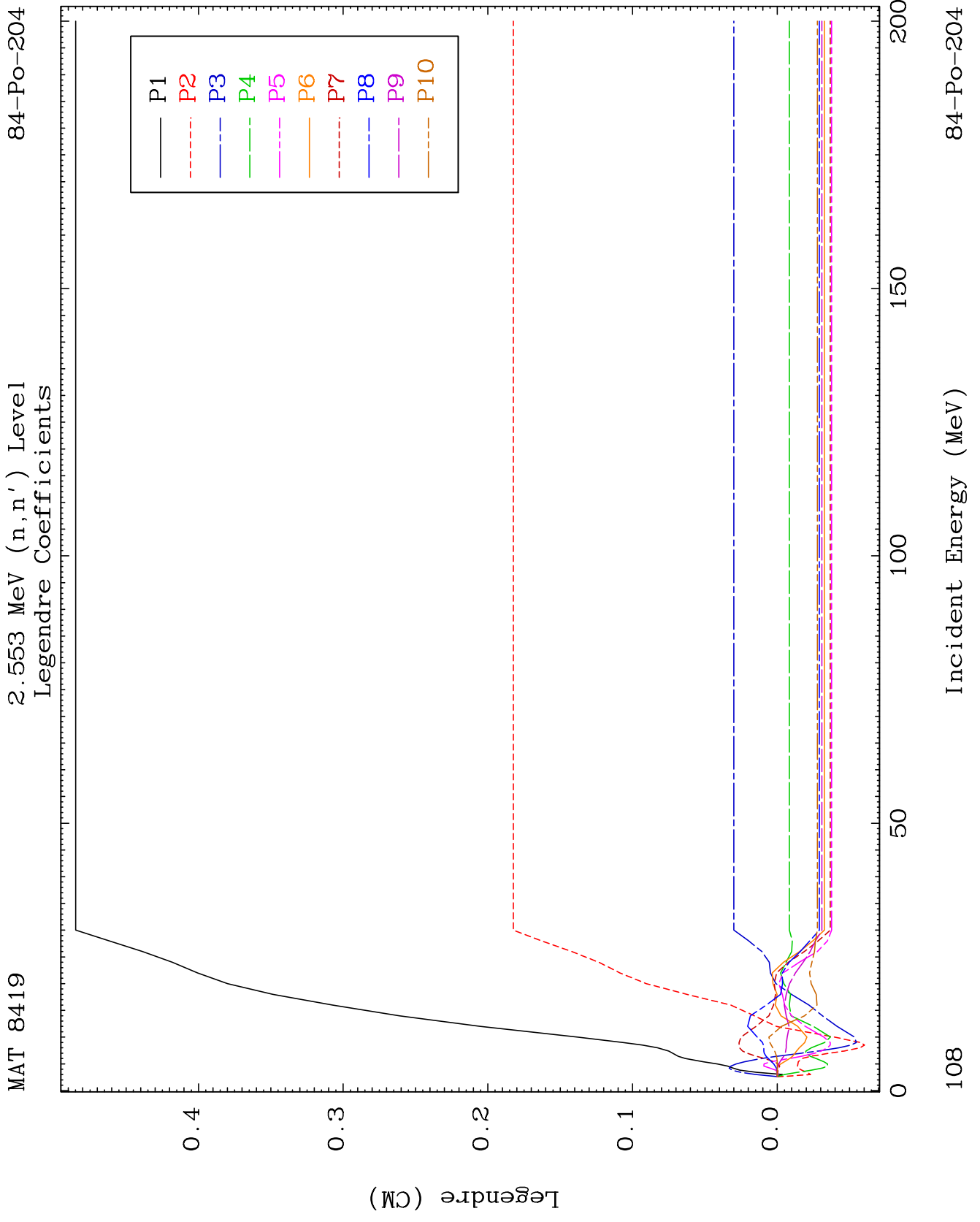


106

Incident Energy (MeV)

84-Po-204

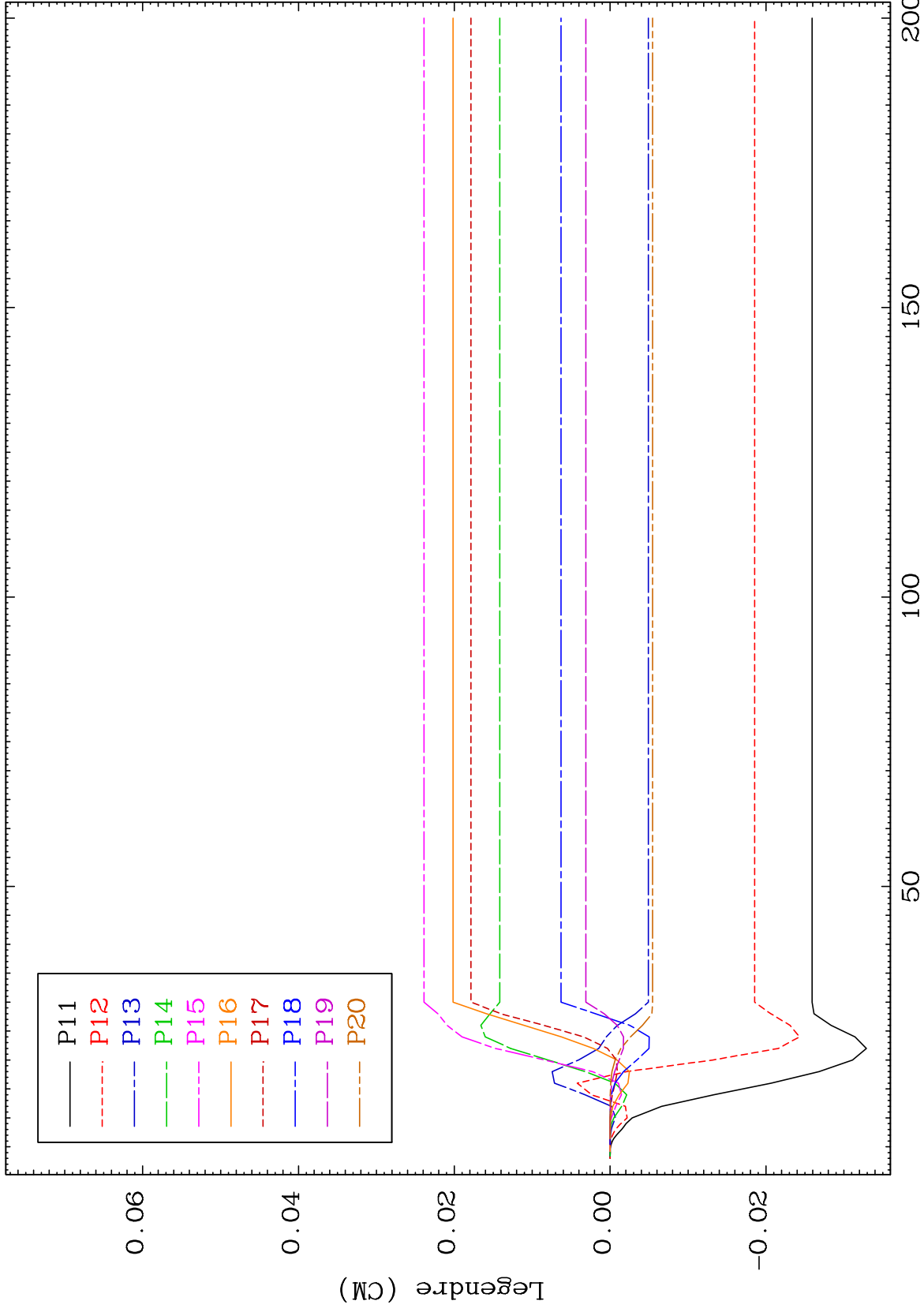




MAT 8419

2.553 MeV (n,n') Level
Legendre Coefficients

84-Po-204



109

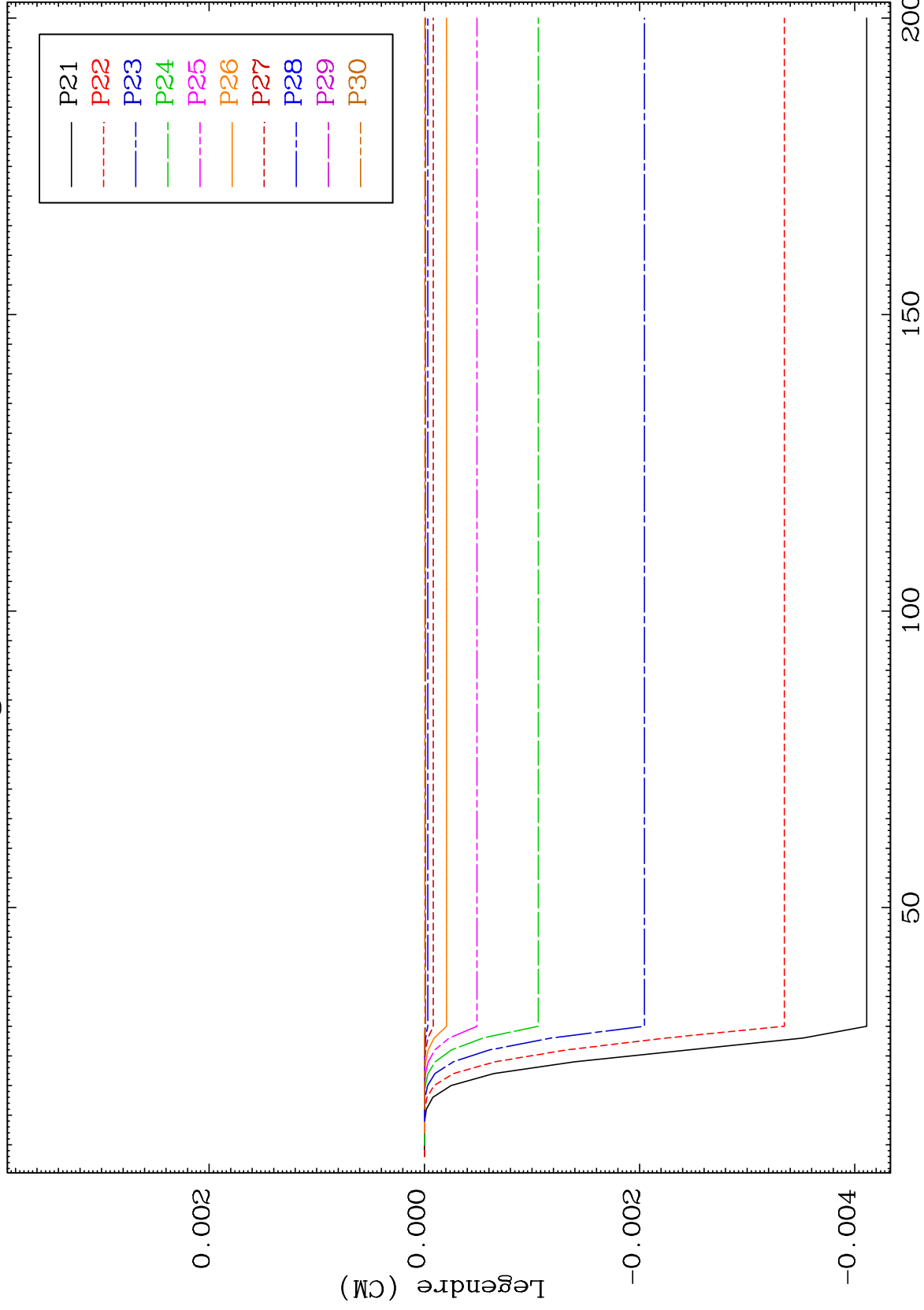
Incident Energy (MeV)

84-Po-204

MAT 8419

2.553 MeV (n,n') Level
Legendre Coefficients

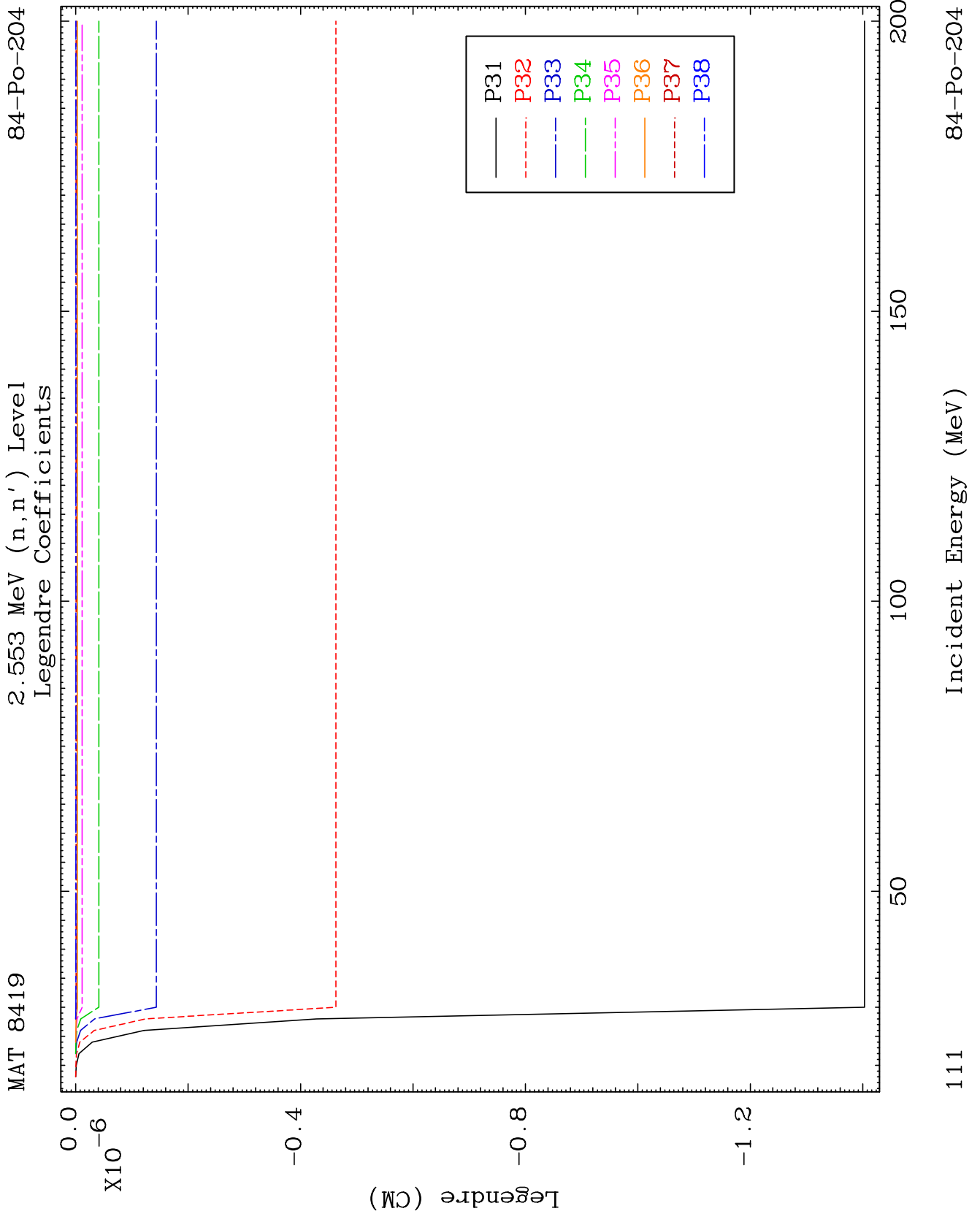
84-Po-204



110

Incident Energy (MeV)

84-Po-204

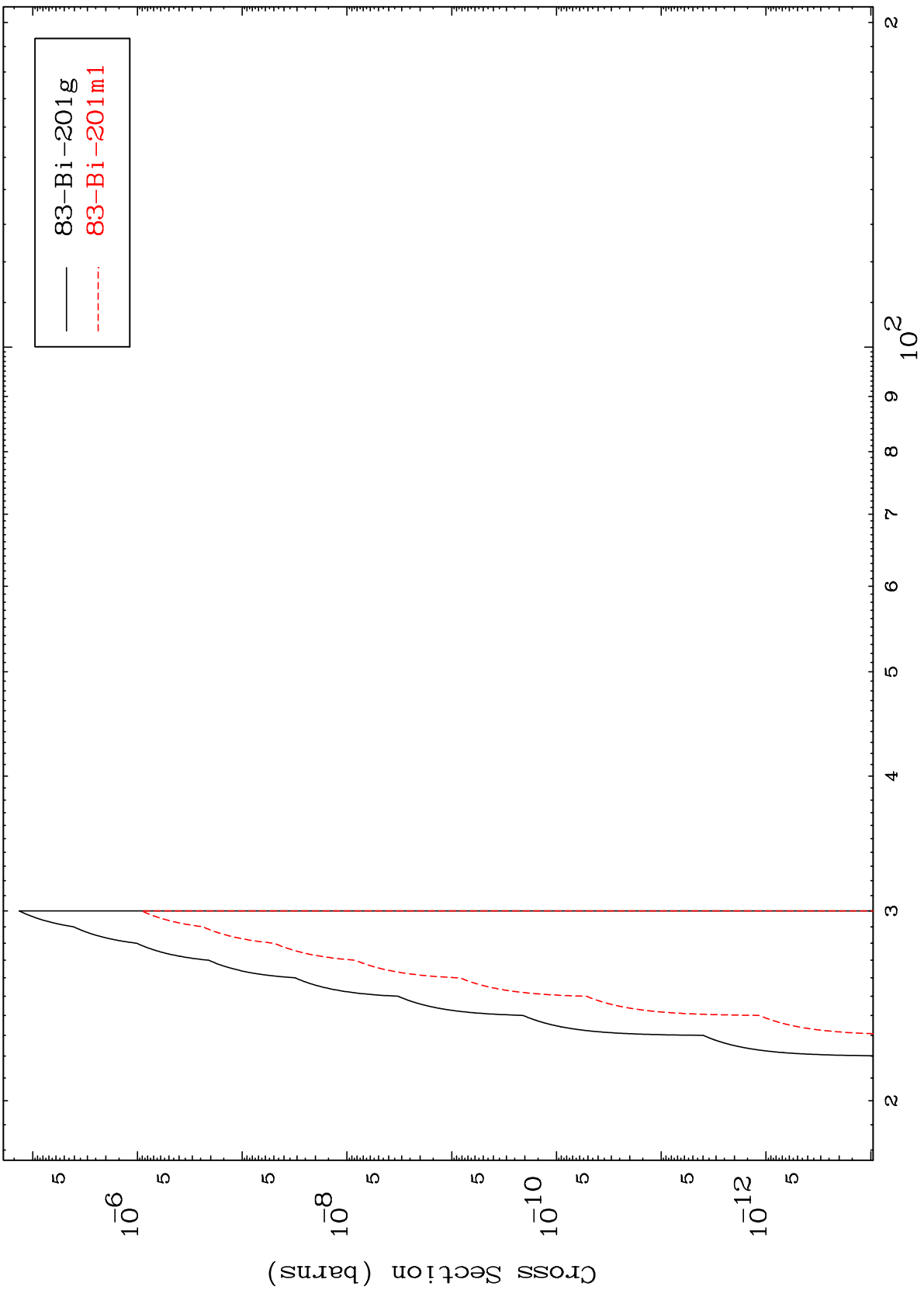


MAT 8419

(n,2n) d

84-Po-204

Radionuclide Production Cross Section



112

Incident Energy (MeV)

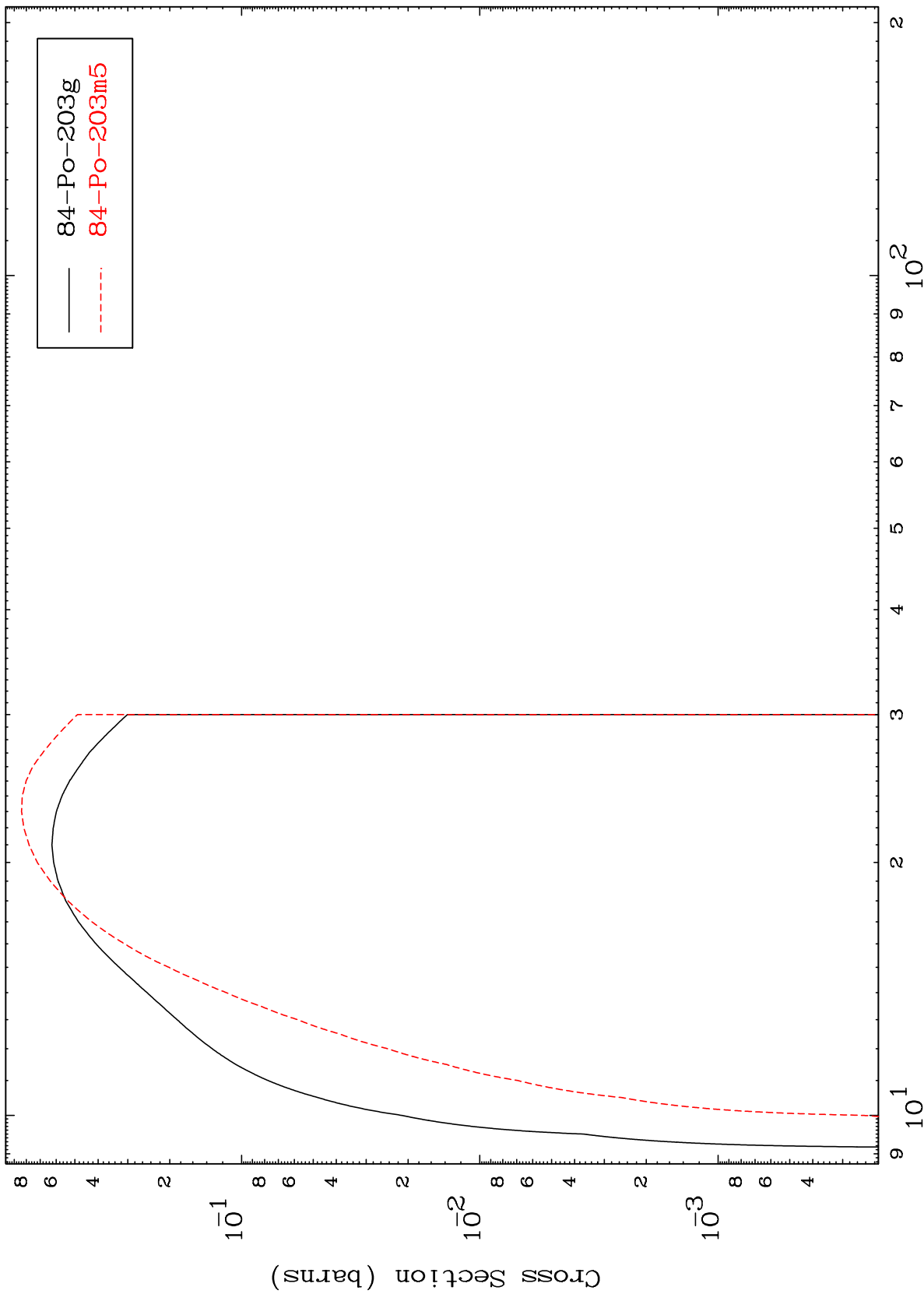
84-Po-204

MAT 8419

84-Po-204

(n,2n)

Radionuclide Production Cross Section



84-Po-203g
84-Po-203m5

84-Po-204

Incident Energy (MeV)

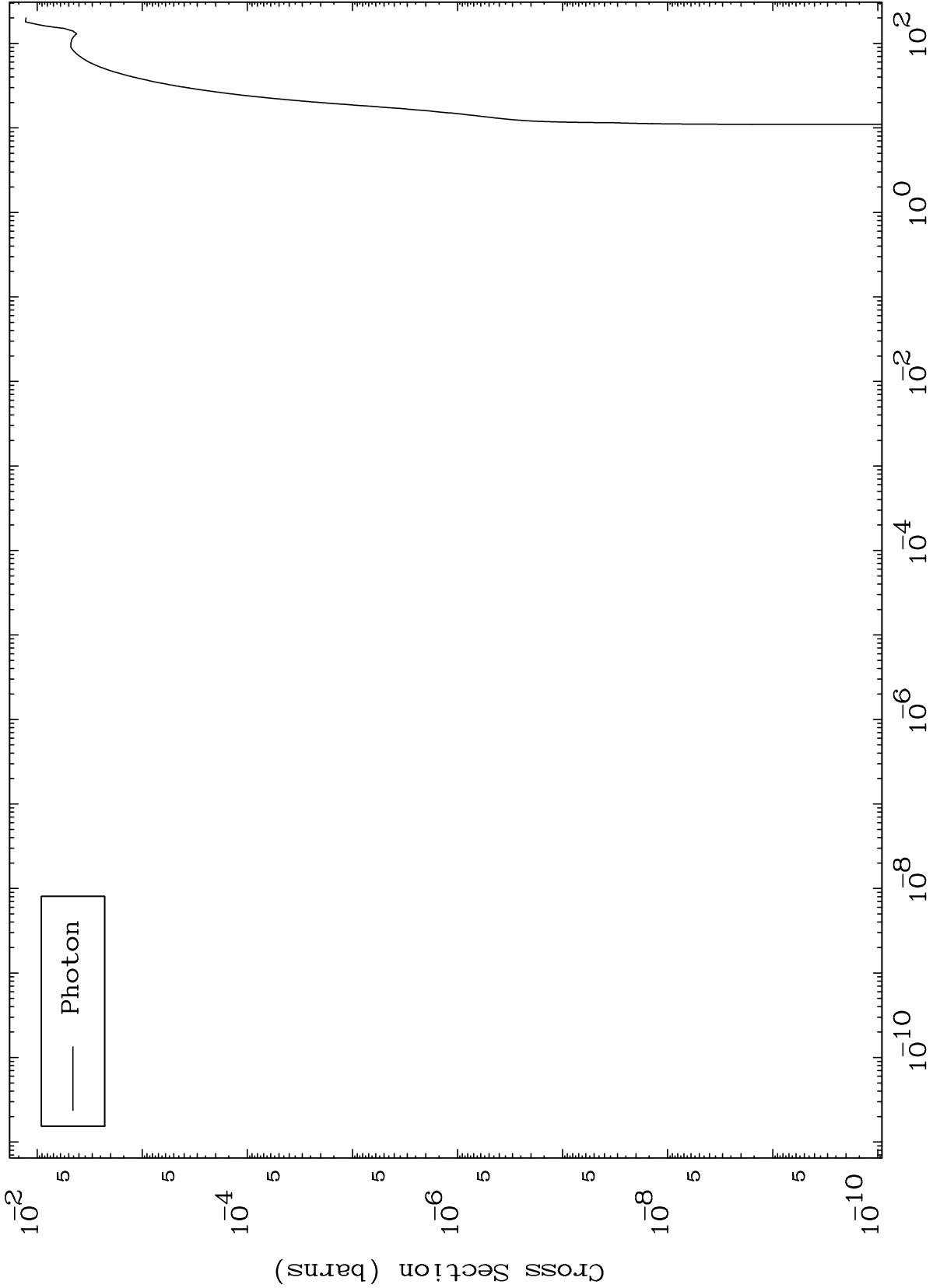
113

MAT 8419

Fission

84-Po-204

Radionuclide Production Cross Section



114

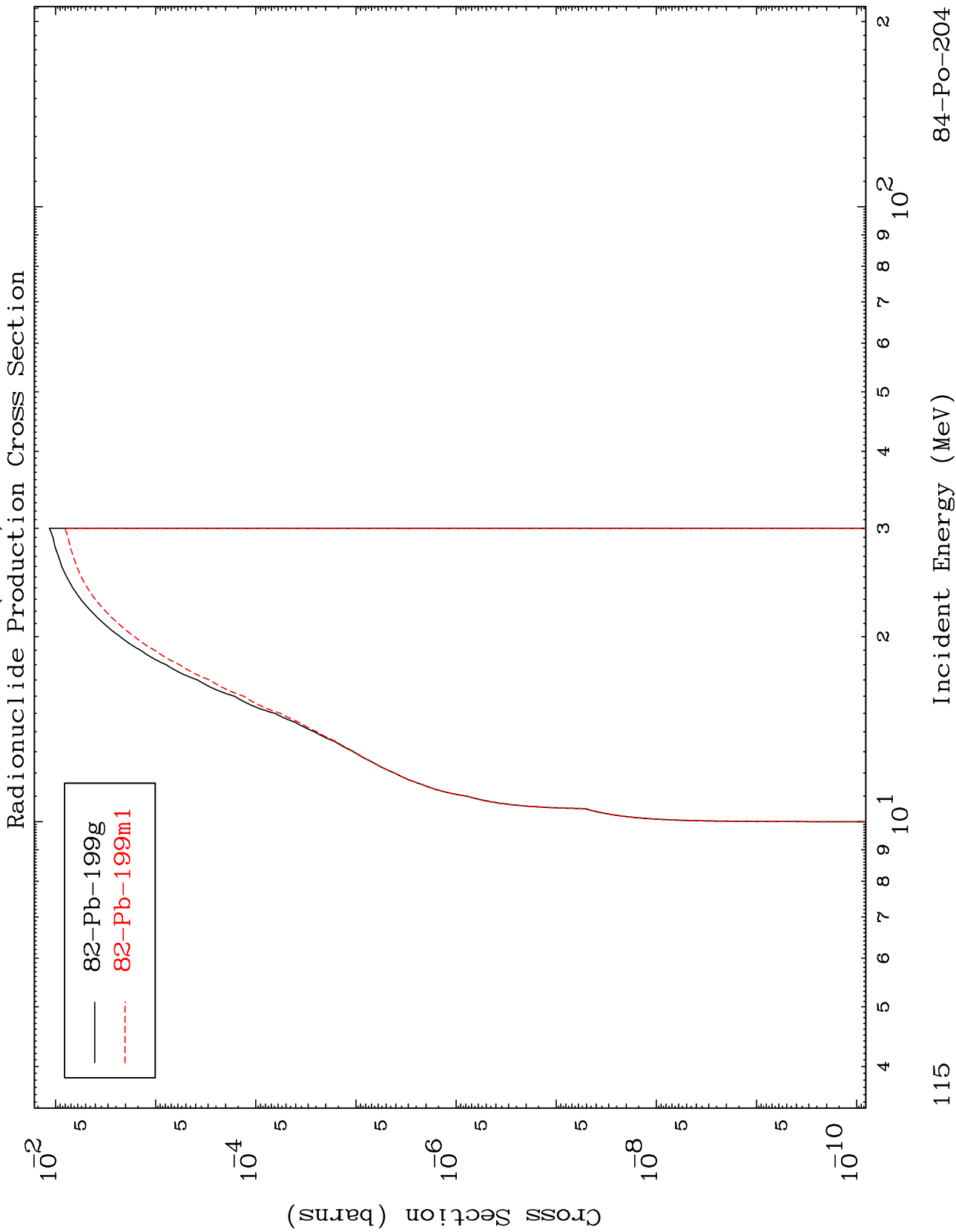
Incident Energy (MeV)

84-Po-204

MAT 8419

(n,2n) α

84-Po-204

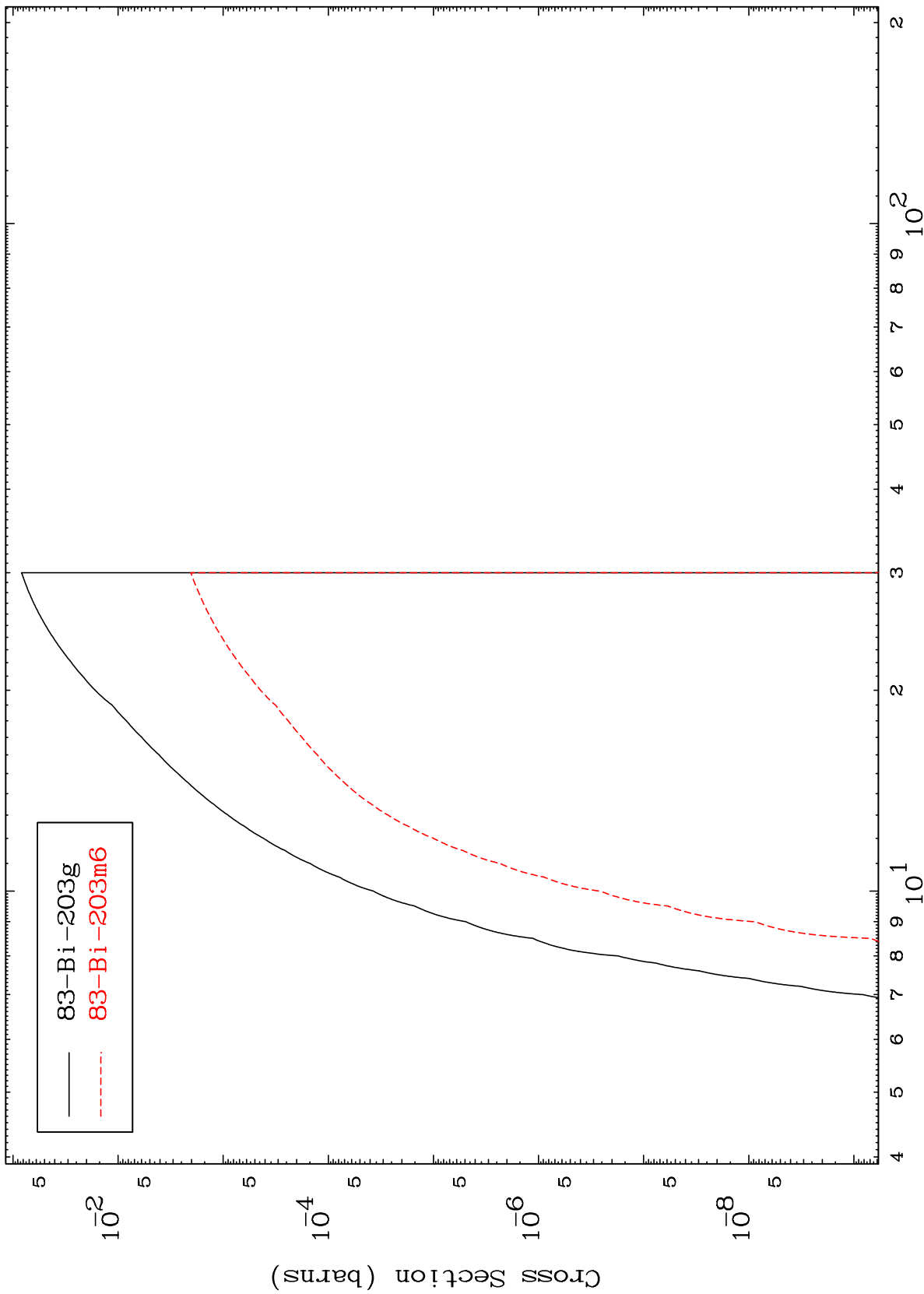


MAT 8419

(n,n') p

84-Po-204

Radionuclide Production Cross Section



83-Bi-203g
83-Bi-203m6

Incident Energy (MeV)

84-Po-204

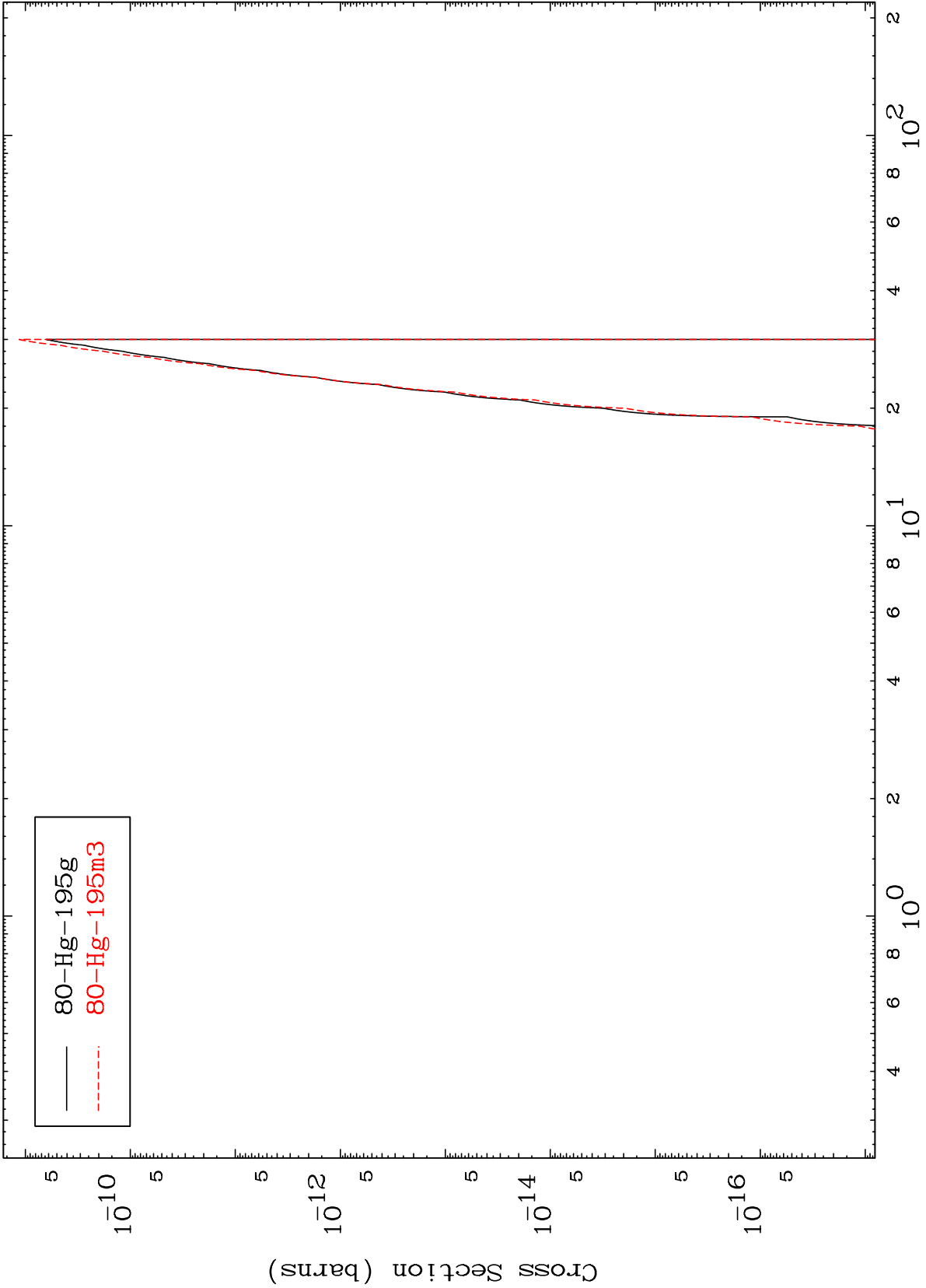
116

MAT 8419

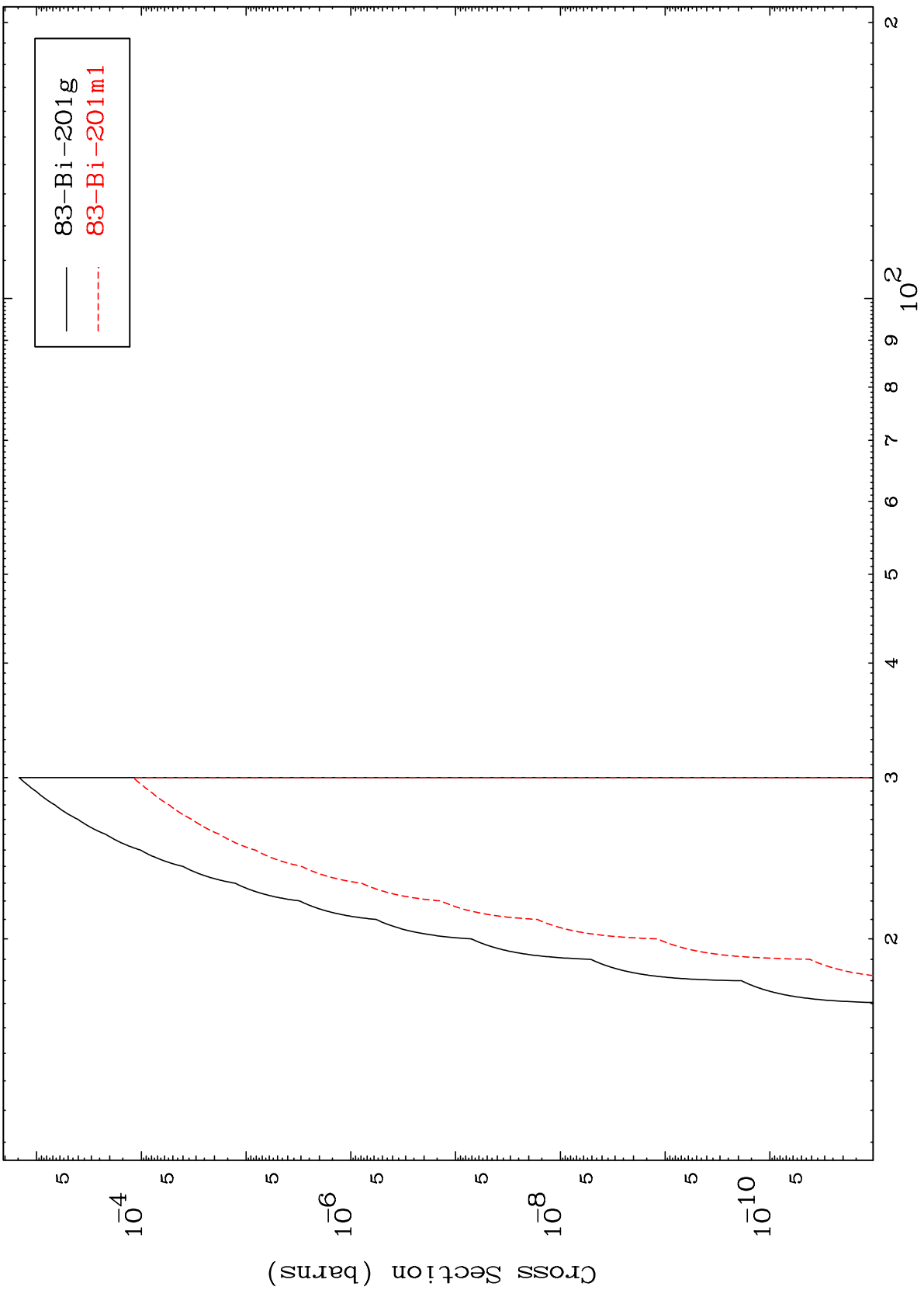
(n,2n) 2α

84-Po-204

Radionuclide Production Cross Section



Radionuclide Production Cross Section



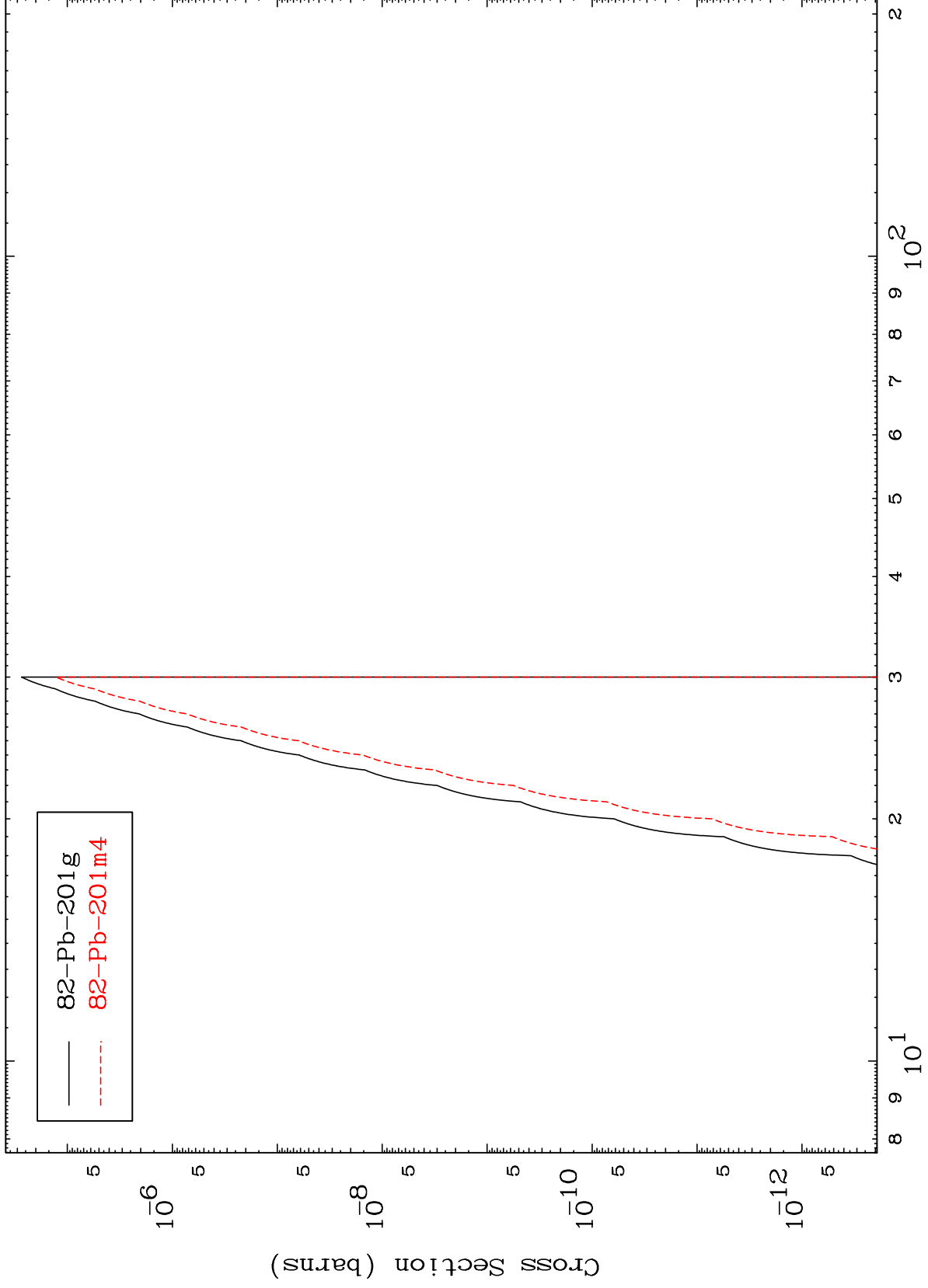
83-Bi-201g
83-Bi-201m1

MAT 8419

(n,n') He-3

84-Po-204

Radionuclide Production Cross Section



119

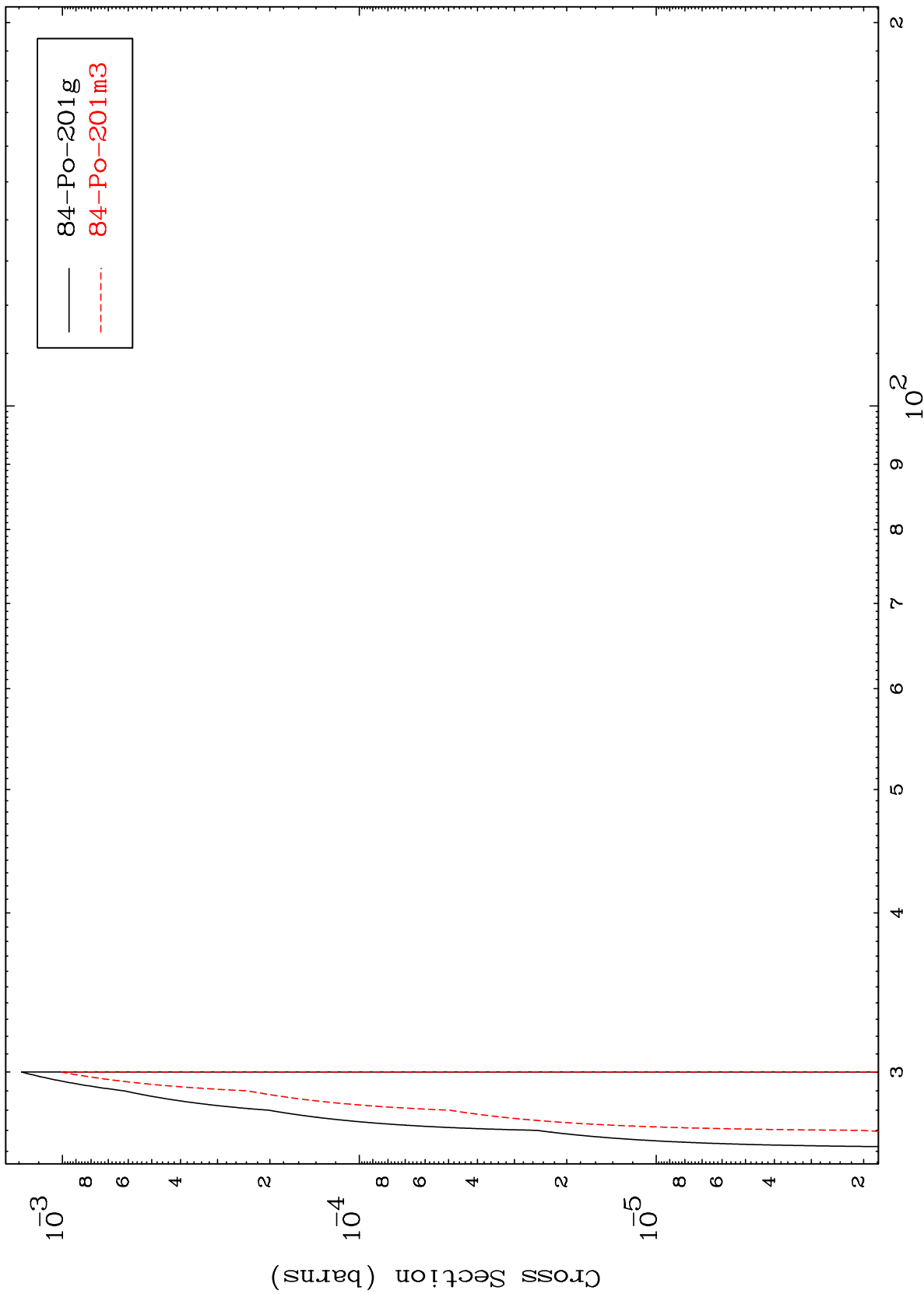
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

(n,4n)
Radionuclide Production Cross Section



120

84-Po-204

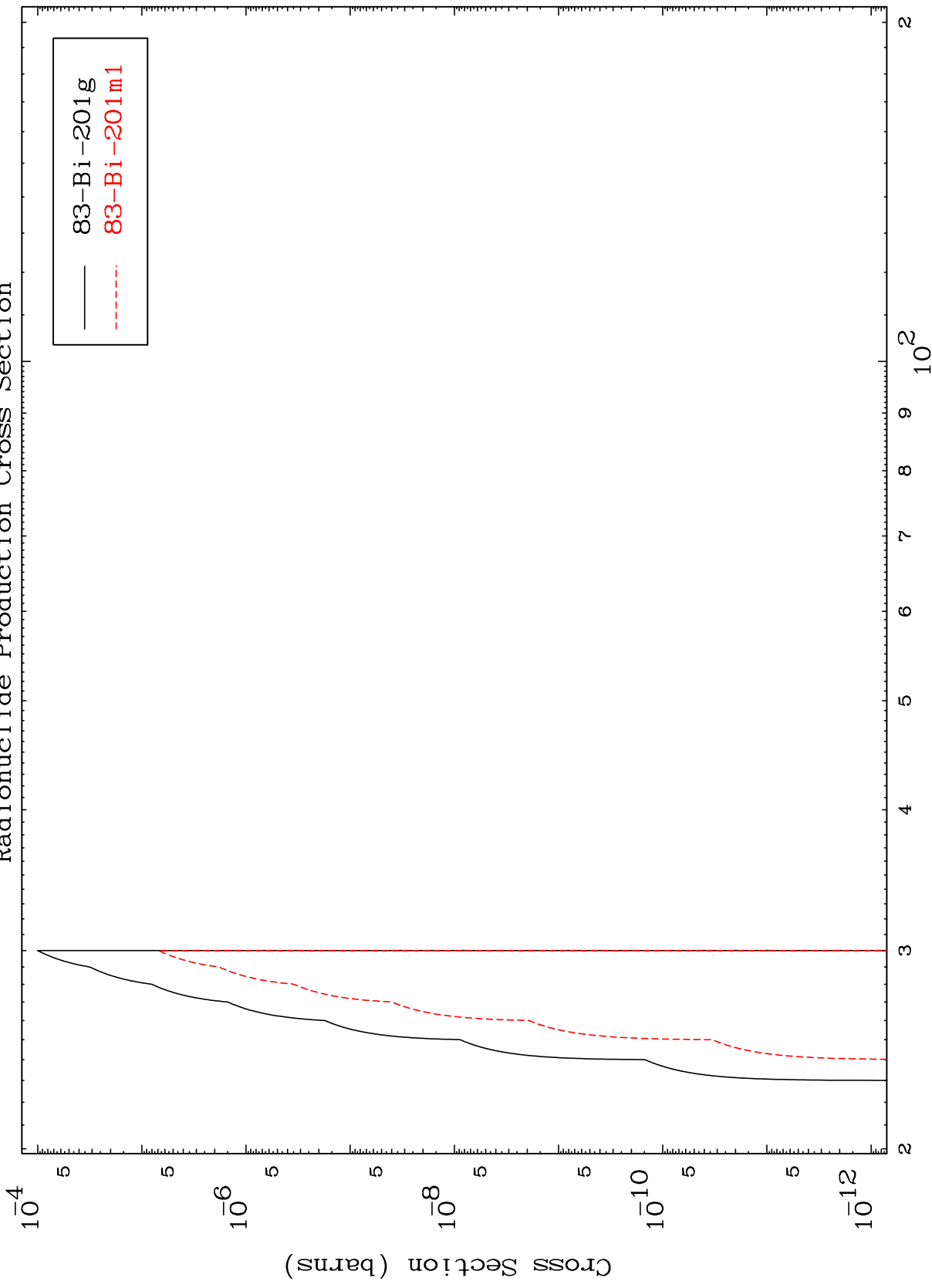
Incident Energy (MeV)

MAT 8419

(n,3n) p

84-Po-204

Radionuclide Production Cross Section



121

Incident Energy (MeV)

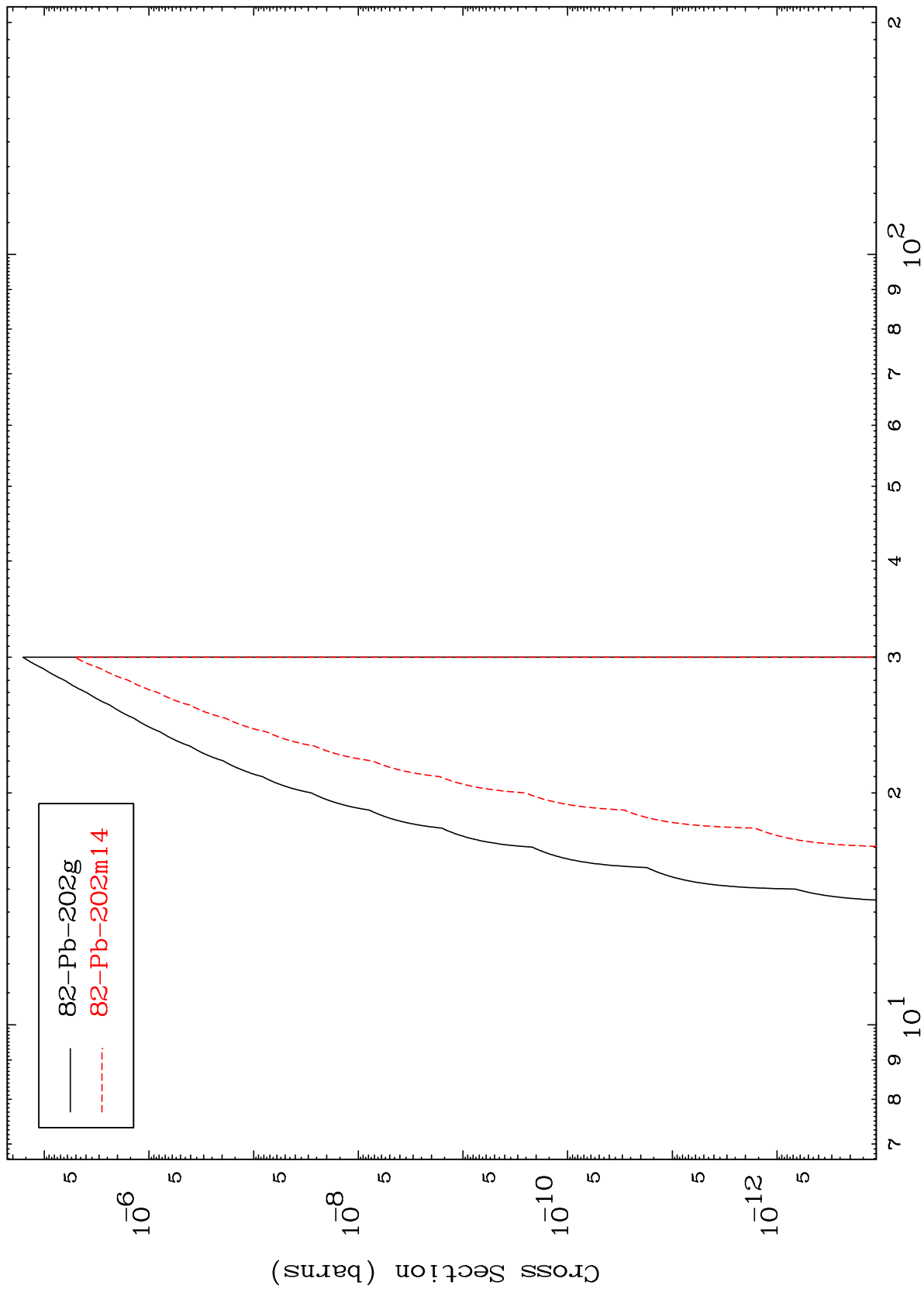
84-Po-204

MAT 8419

(n,2n) p

84-Po-204

Radionuclide Production Cross Section



122

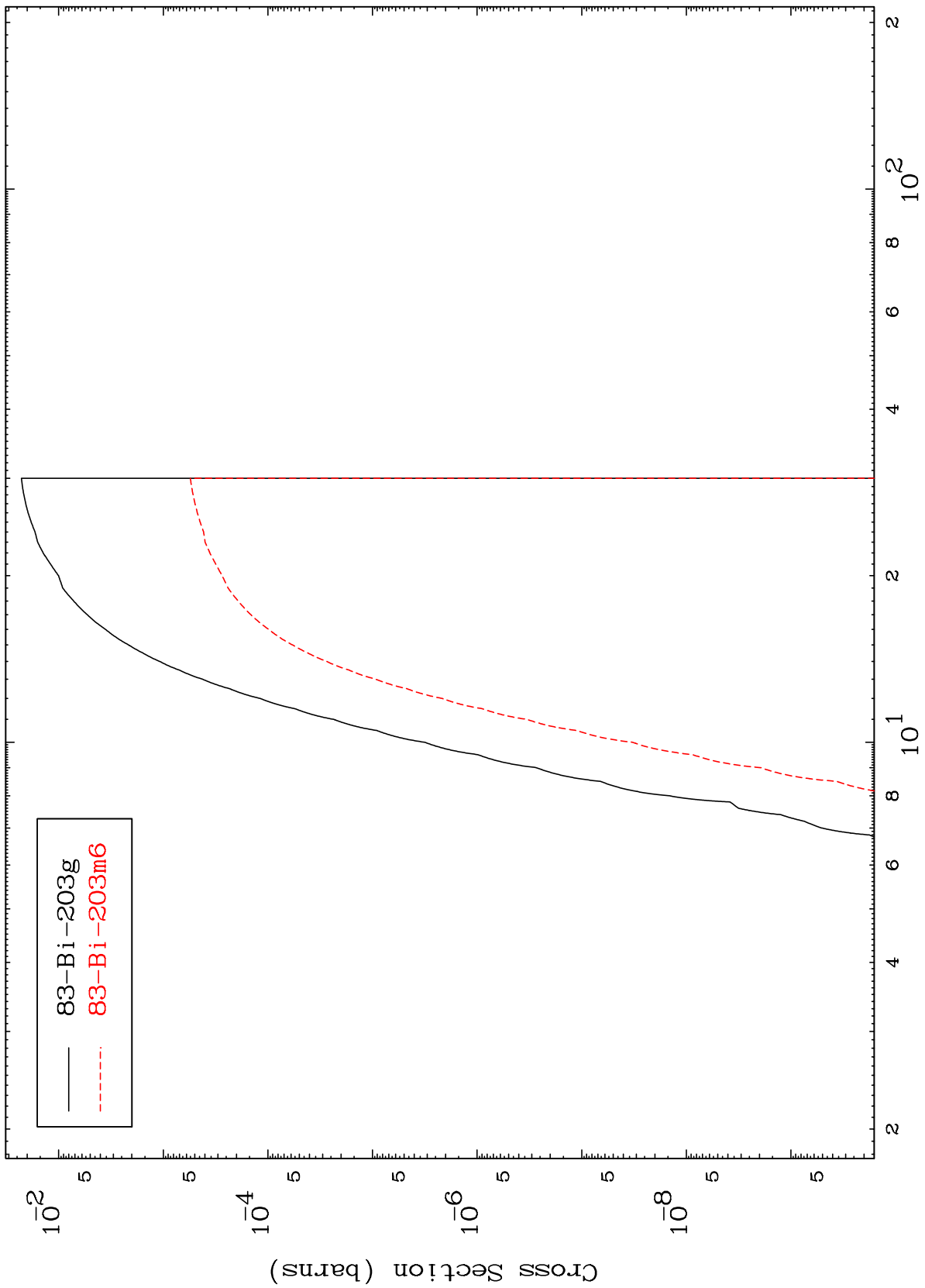
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

(n,d)
Radionuclide Production Cross Section



84-Po-204

Incident Energy (MeV)

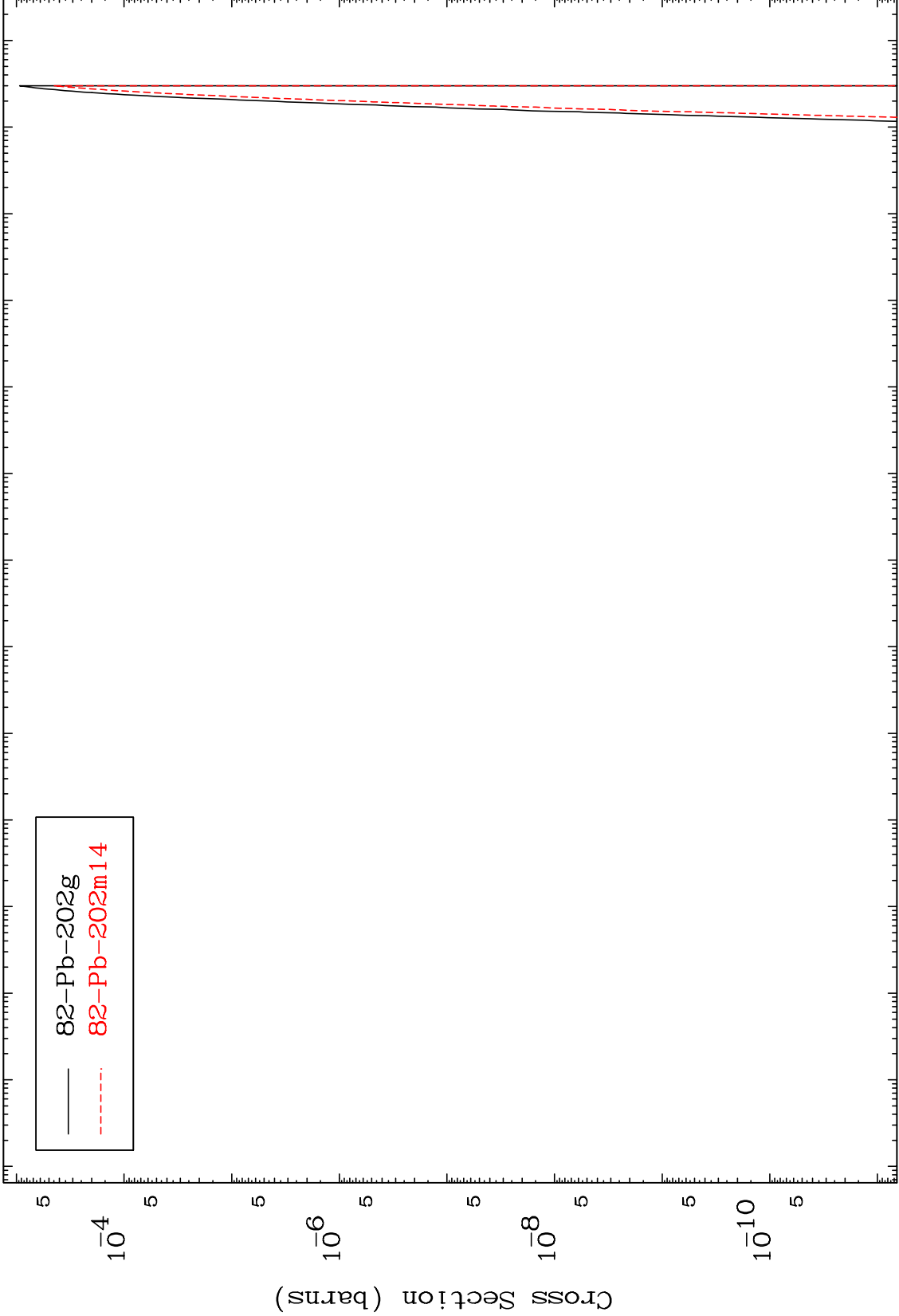
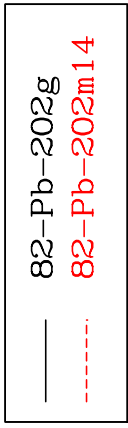
123

MAT 8419

(n,He-3)

84-Po-204

Radionuclide Production Cross Section



124

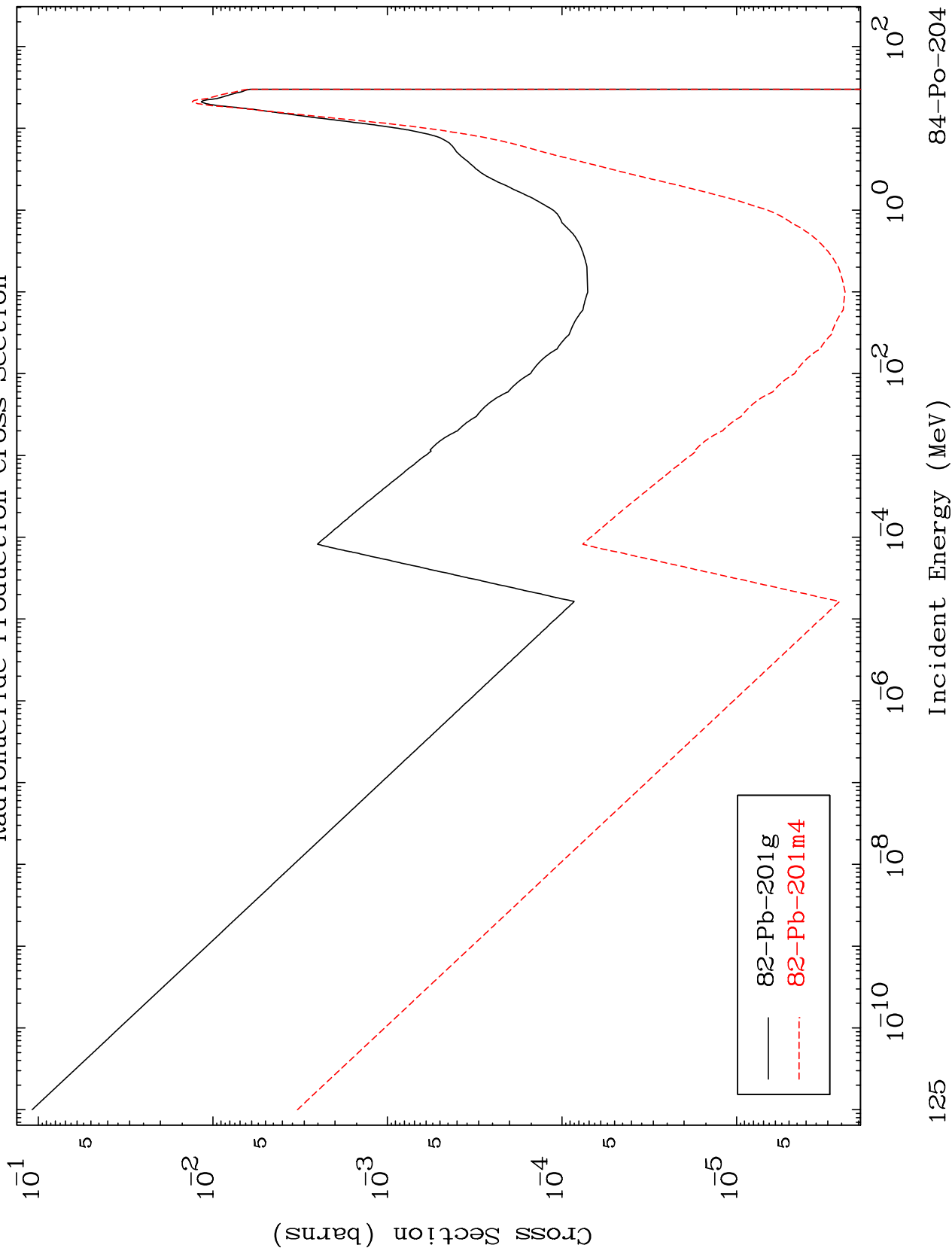
Incident Energy (MeV)

84-Po-204

MAT 8419

84-Po-204

Radionuclide Production Cross Section

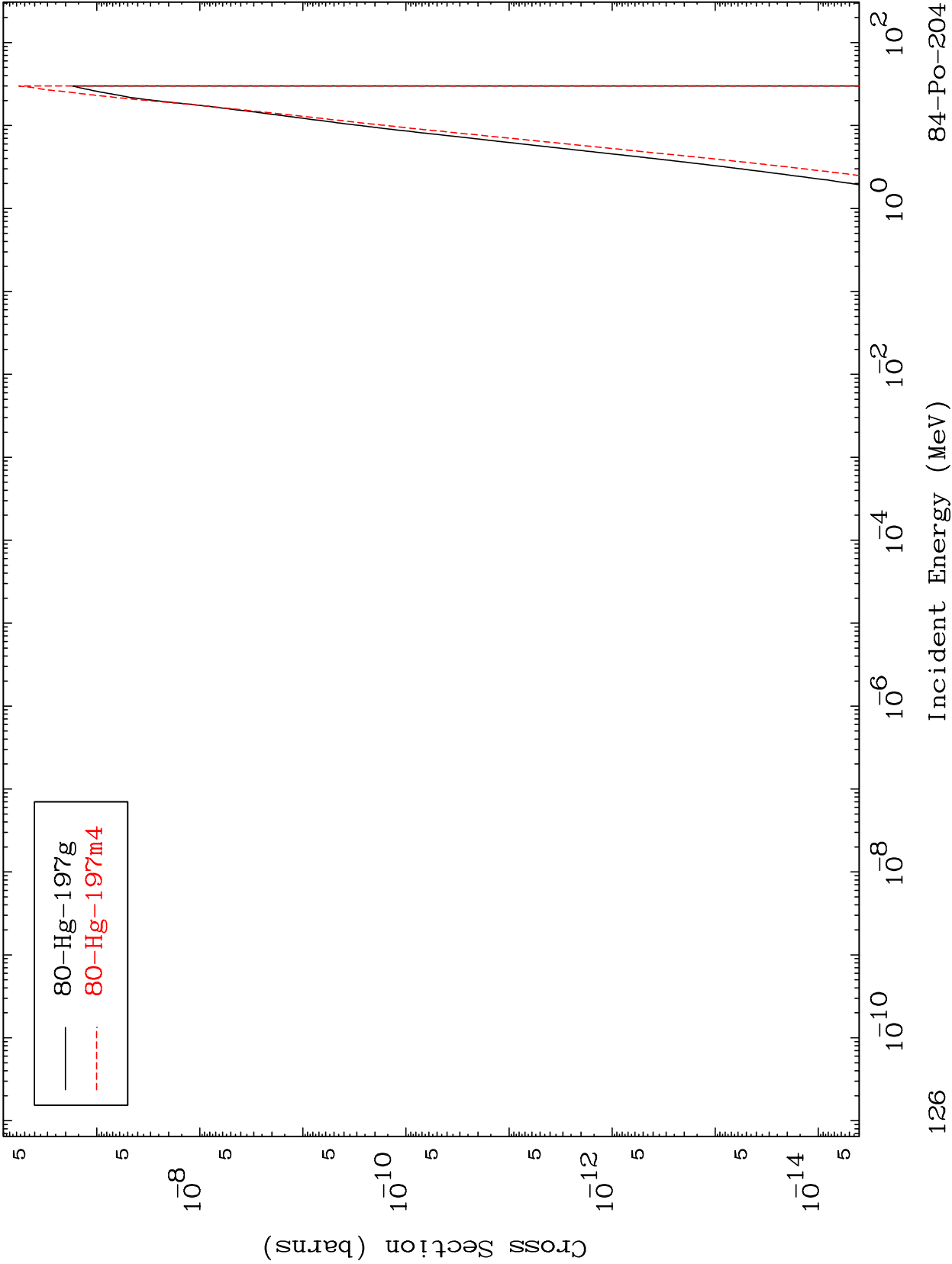


MAT 8419

(n,2α)

84-Po-204

Radionuclide Production Cross Section



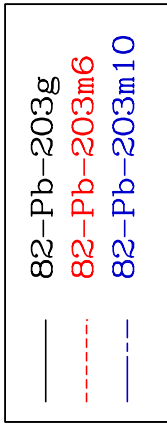
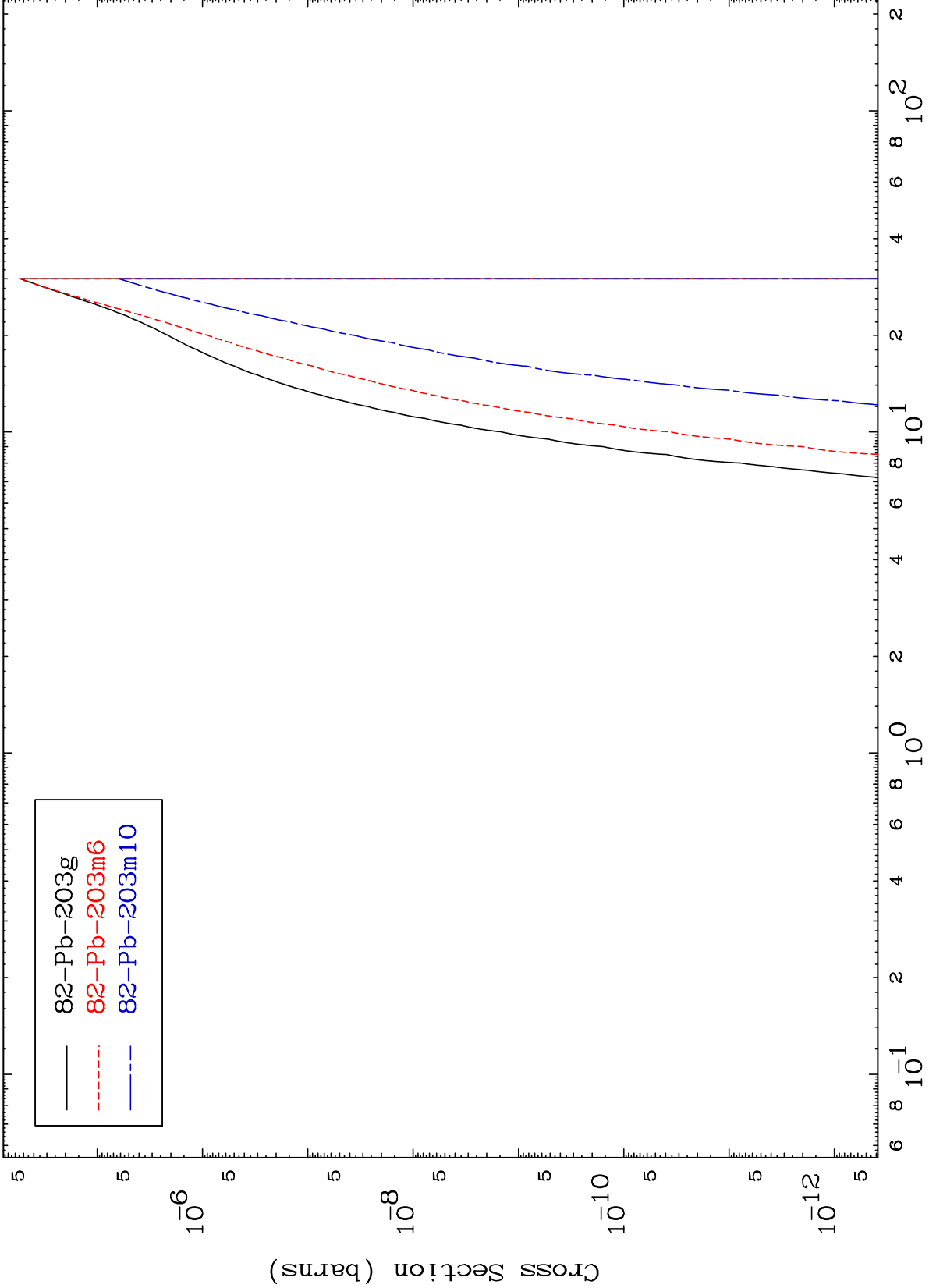
80-Hg-197g
80-Hg-197m4

MAT 8419

(n,2p)

84-Po-204

Radionuclide Production Cross Section



127

Incident Energy (MeV)

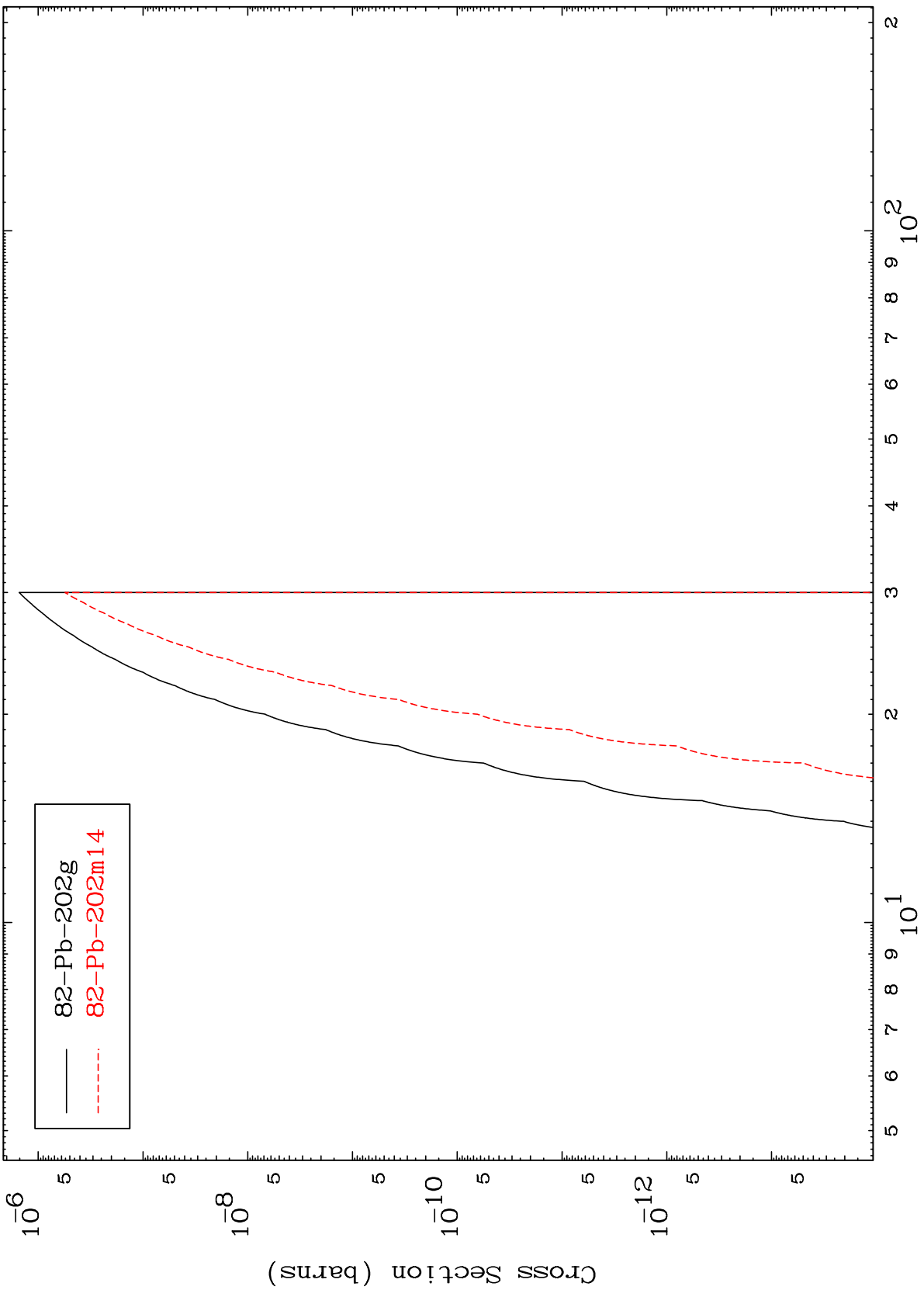
84-Po-204

MAT 8419

(n,p) d

84-Po-204

Radionuclide Production Cross Section



82-Pb-202g
82-Pb-202m14

128

Incident Energy (MeV)

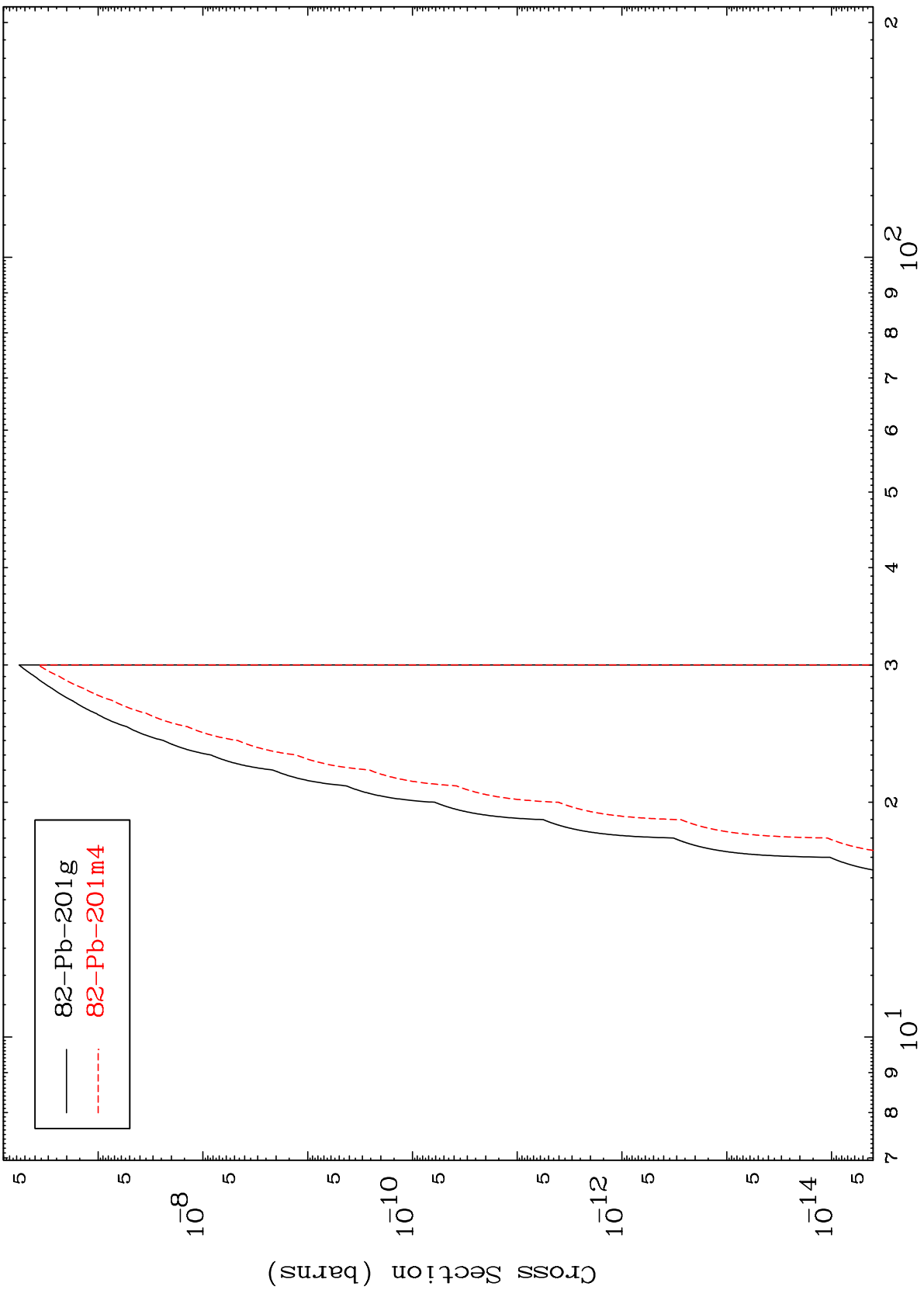
84-Po-204

MAT 8419

(n,p) t

84-Po-204

Radionuclide Production Cross Section



129

Incident Energy (MeV)

84-Po-204