

Program EVALPLOT
(Version 2015-2)

by

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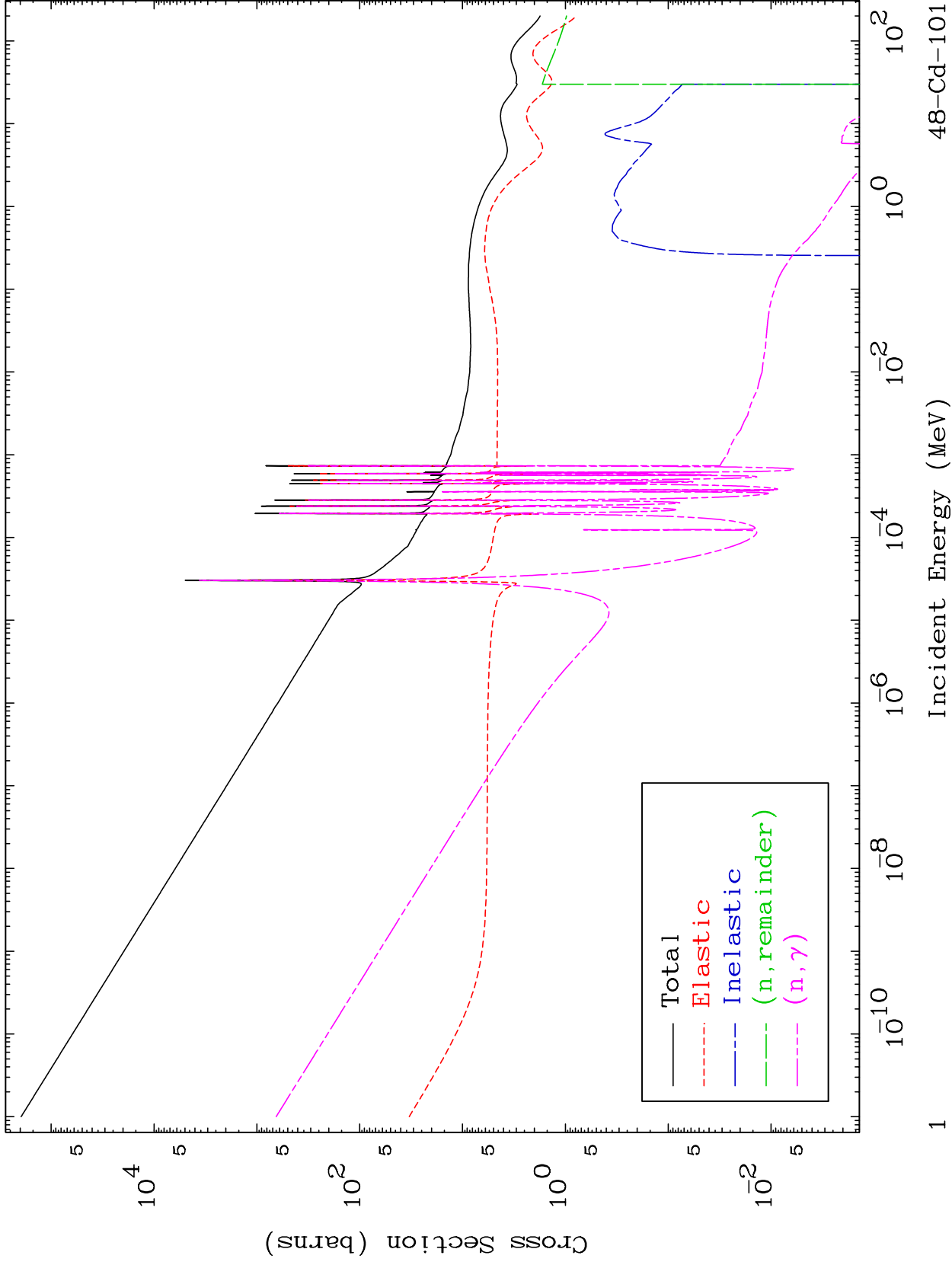
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4810

Major
293 Kelvin Cross Sections

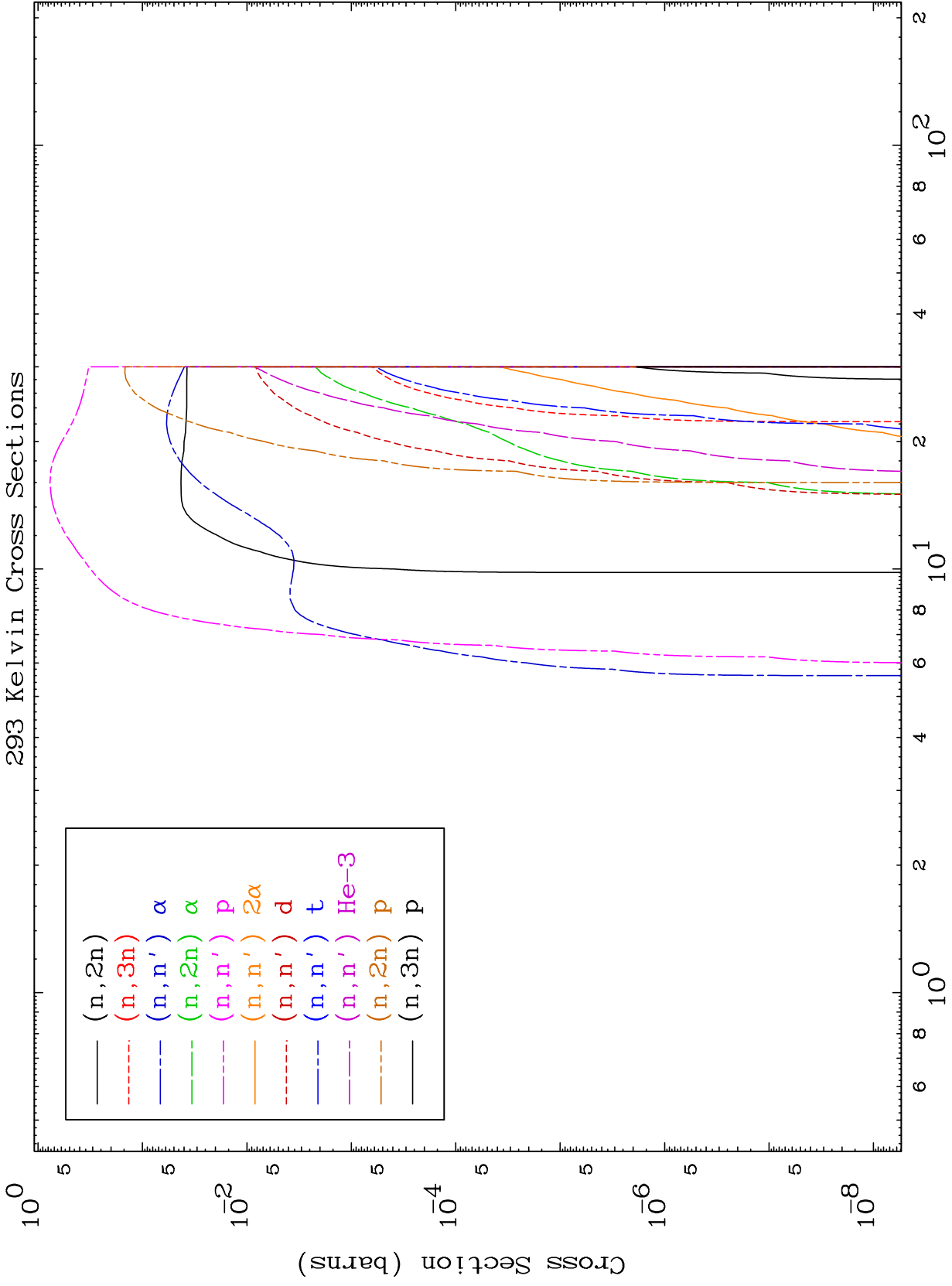
48-Cd-101



MAT 4810

Neutron Production
293 Kelvin Cross Sections

48-Cd-101



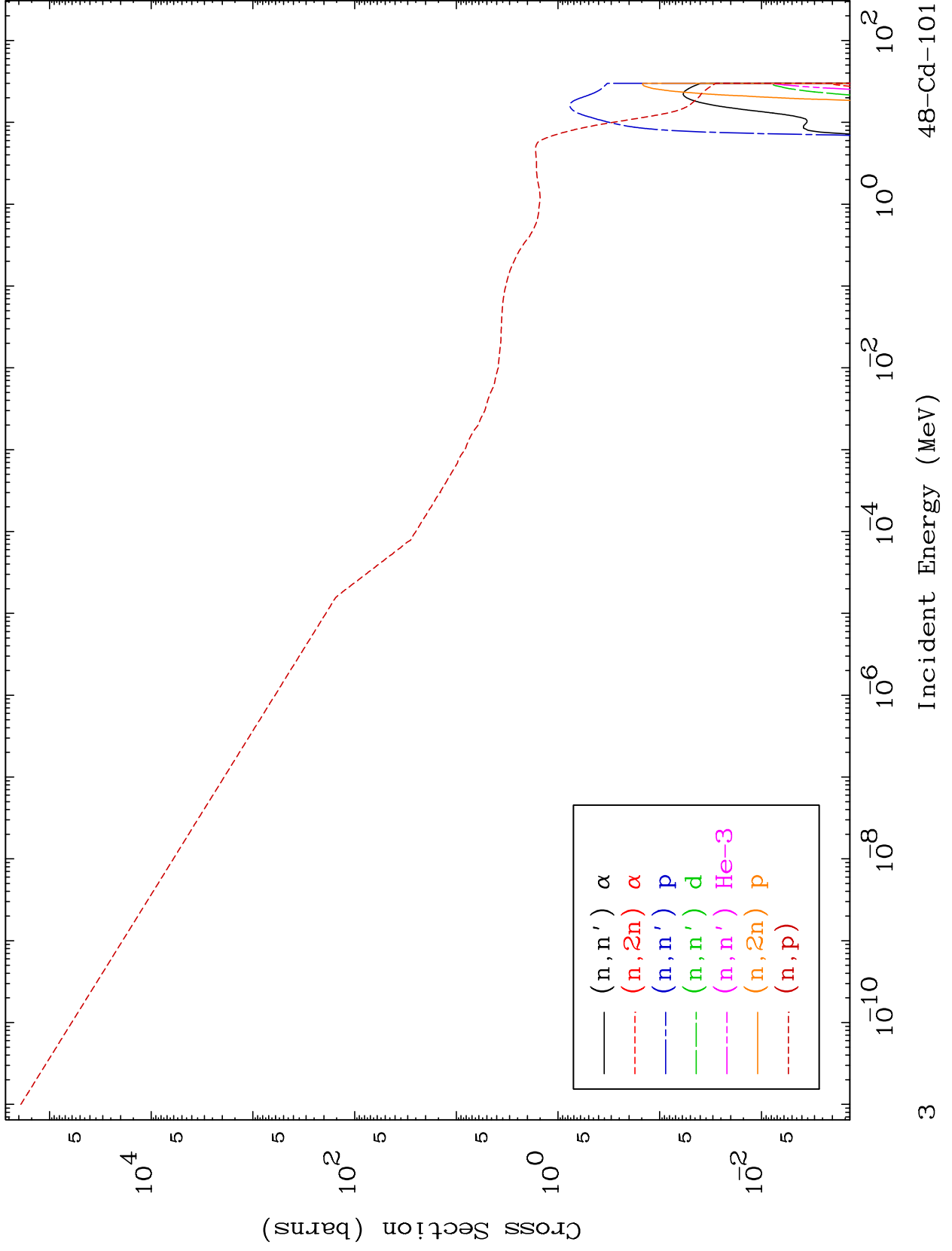
Incident Energy (MeV)

48-Cd-101

MAT 4810

Charged Particle
293 Kelvin Cross Sections

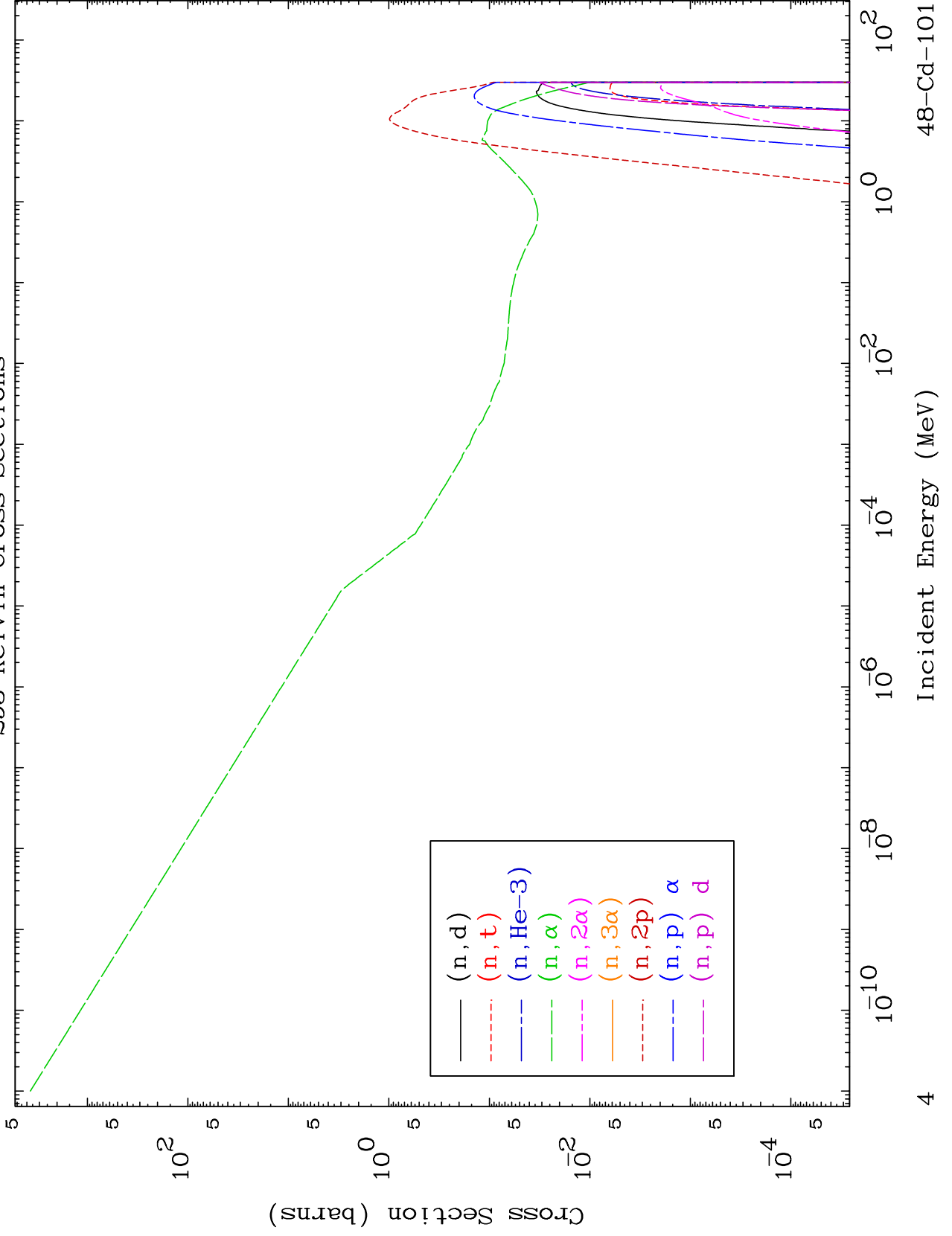
48-Cd-101

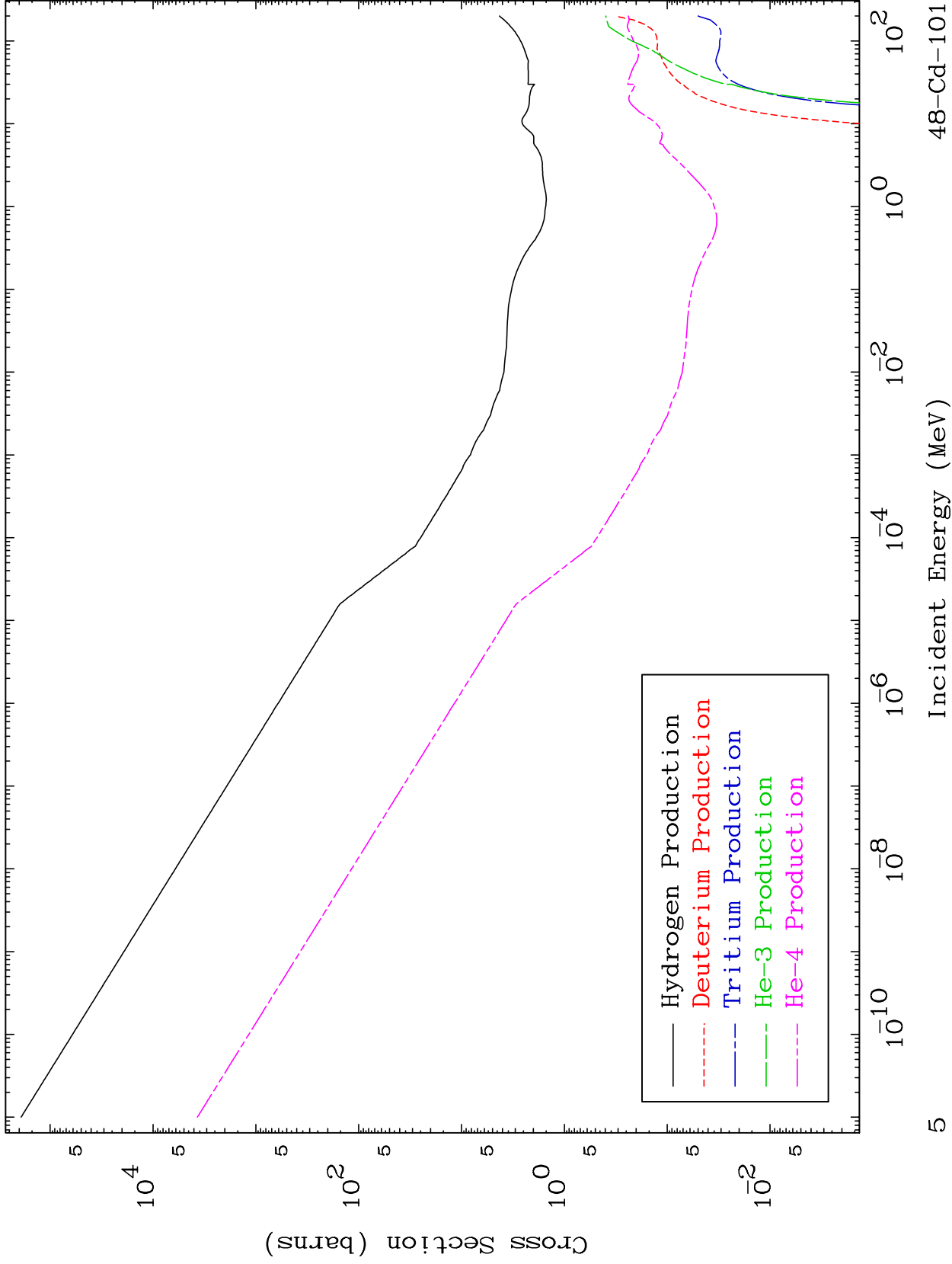


MAT 4810

Charged Particle
293 Kelvin Cross Sections

48-Cd-101



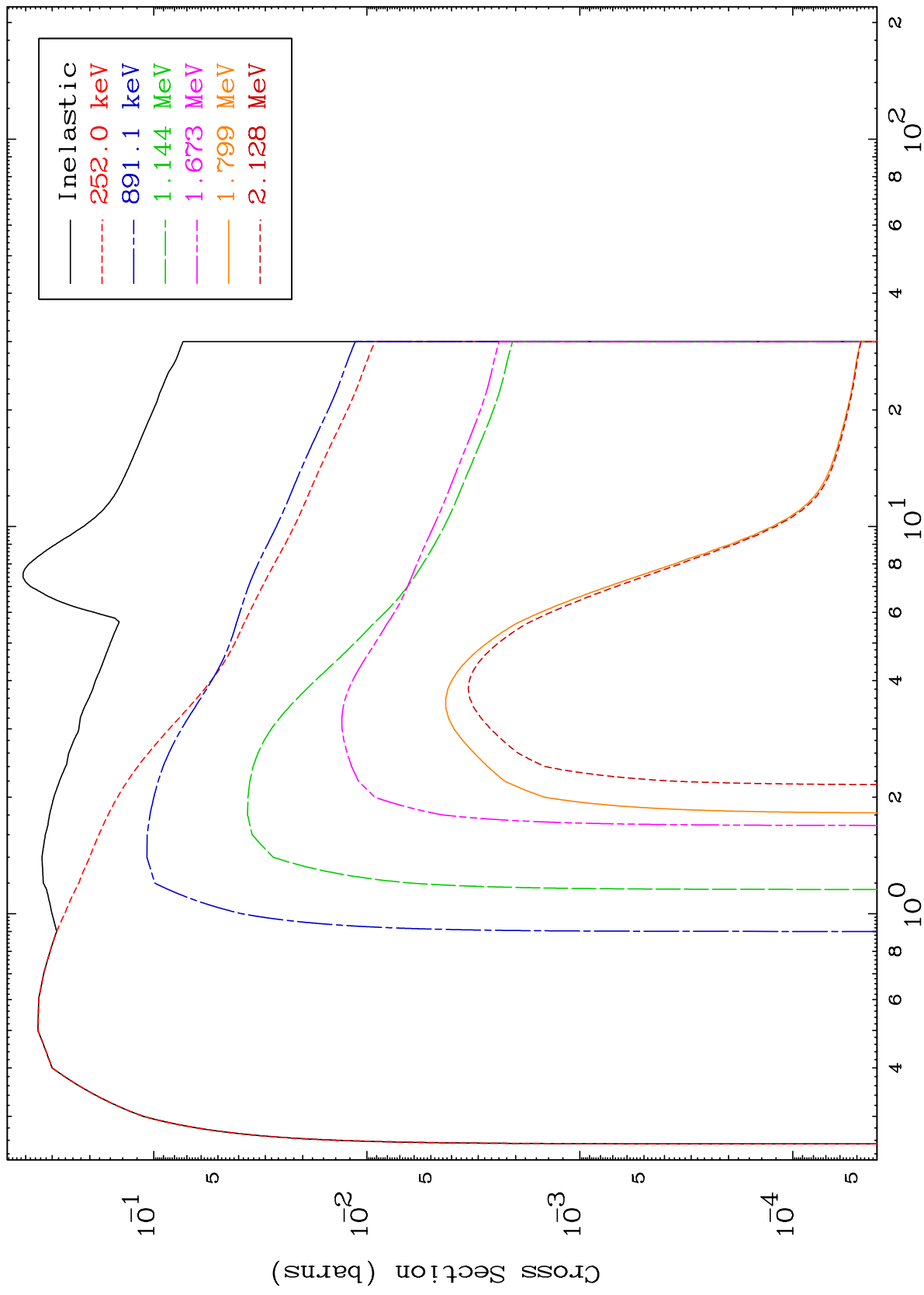


MAT 4810

(n,n') Level

48-Cd-101

293 Kelvin Cross Sections



6

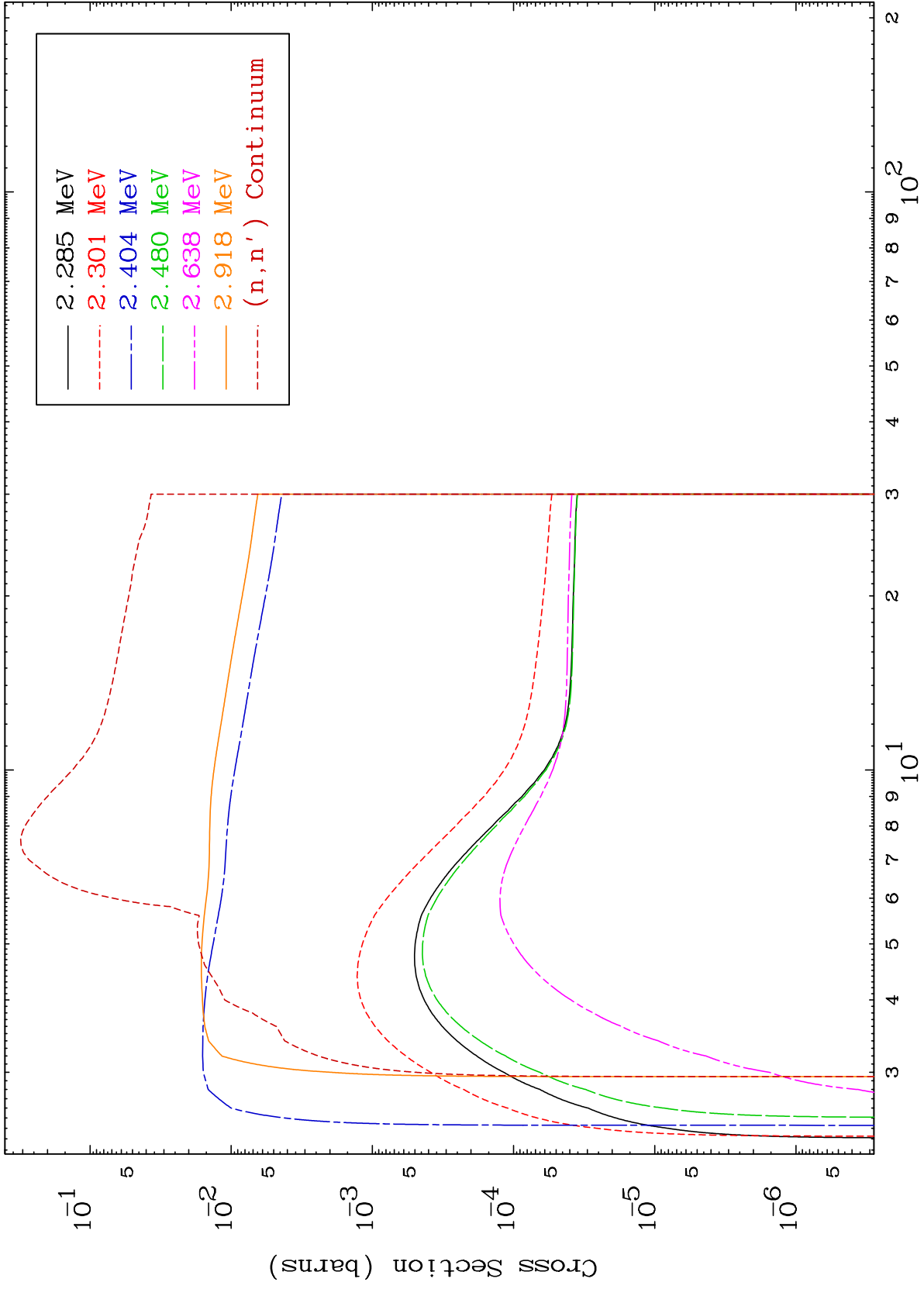
Incident Energy (MeV)

48-Cd-101

MAT 4810

(n,n') Level
293 Kelvin Cross Sections

48-Cd-101



7

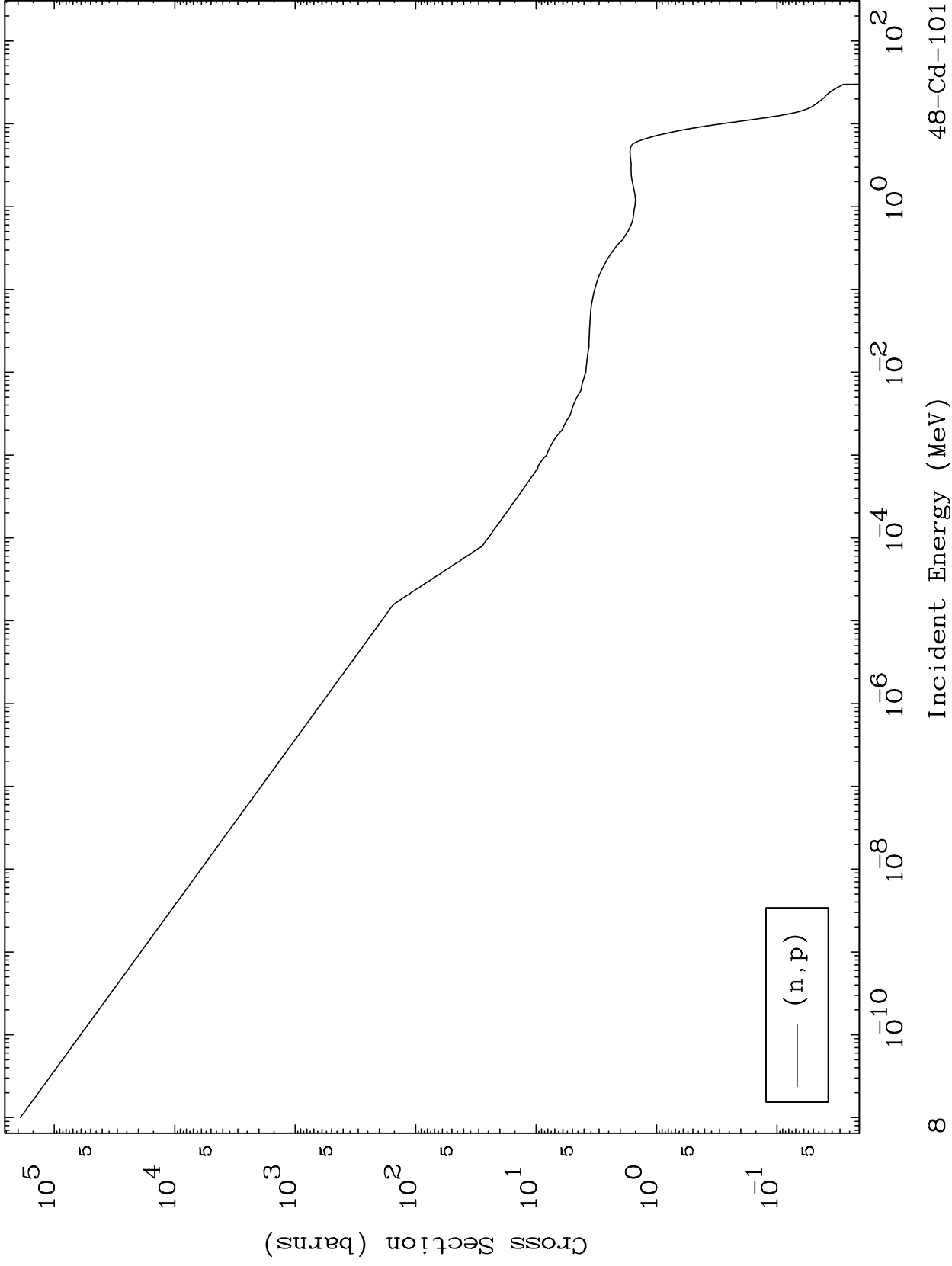
Incident Energy (MeV)

48-Cd-101

MAT 4810

(n,p) Levels
293 Kelvin Cross Sections

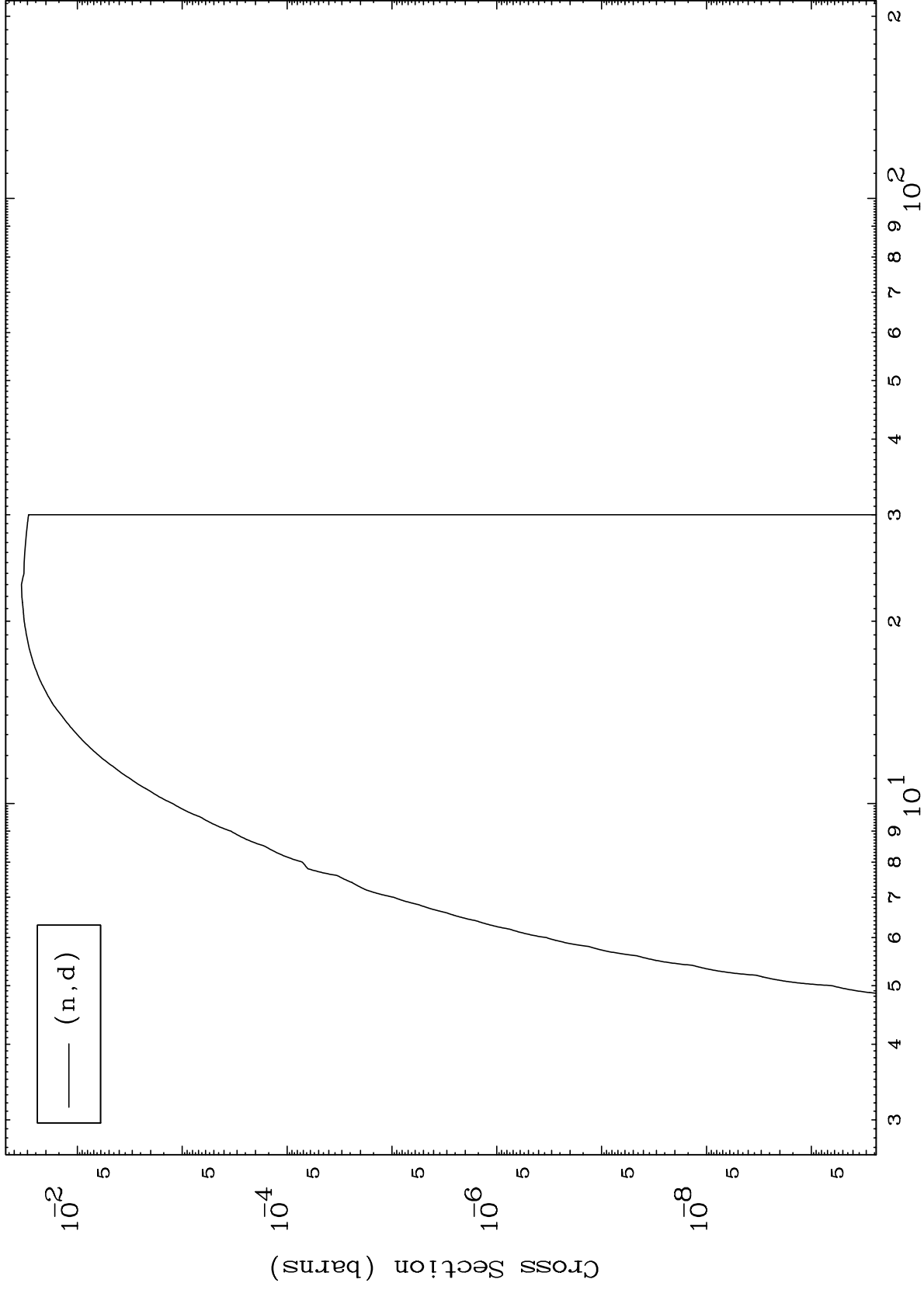
48-Cd-101



MAT 4810

(n,d) Levels
293 Kelvin Cross Sections

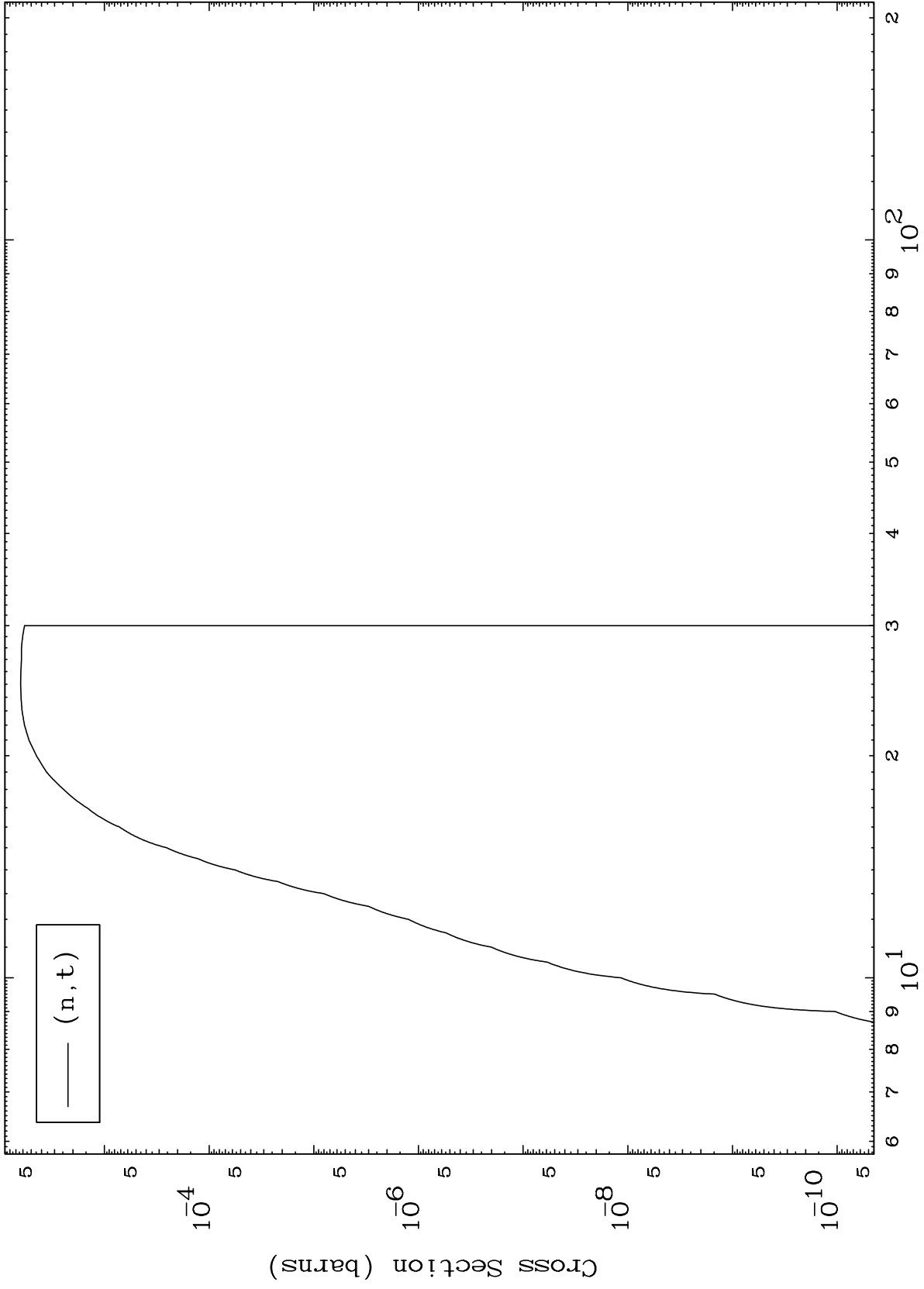
48-Cd-101



MAT 4810

(n,t) Levels
293 Kelvin Cross Sections

48-Cd-101



10

Incident Energy (MeV)

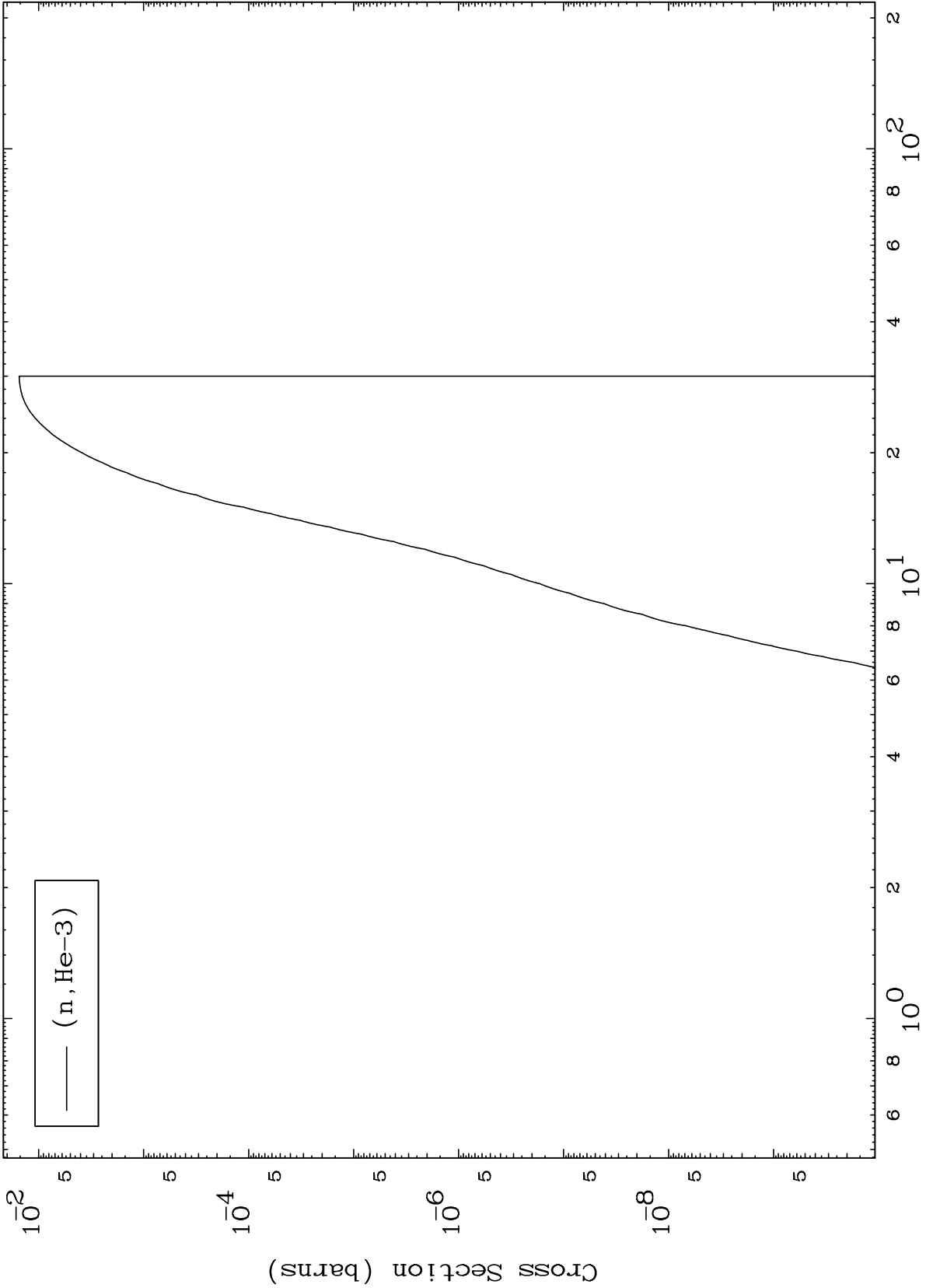
48-Cd-101

MAT 4810

(n,He3) Levels

48-Cd-101

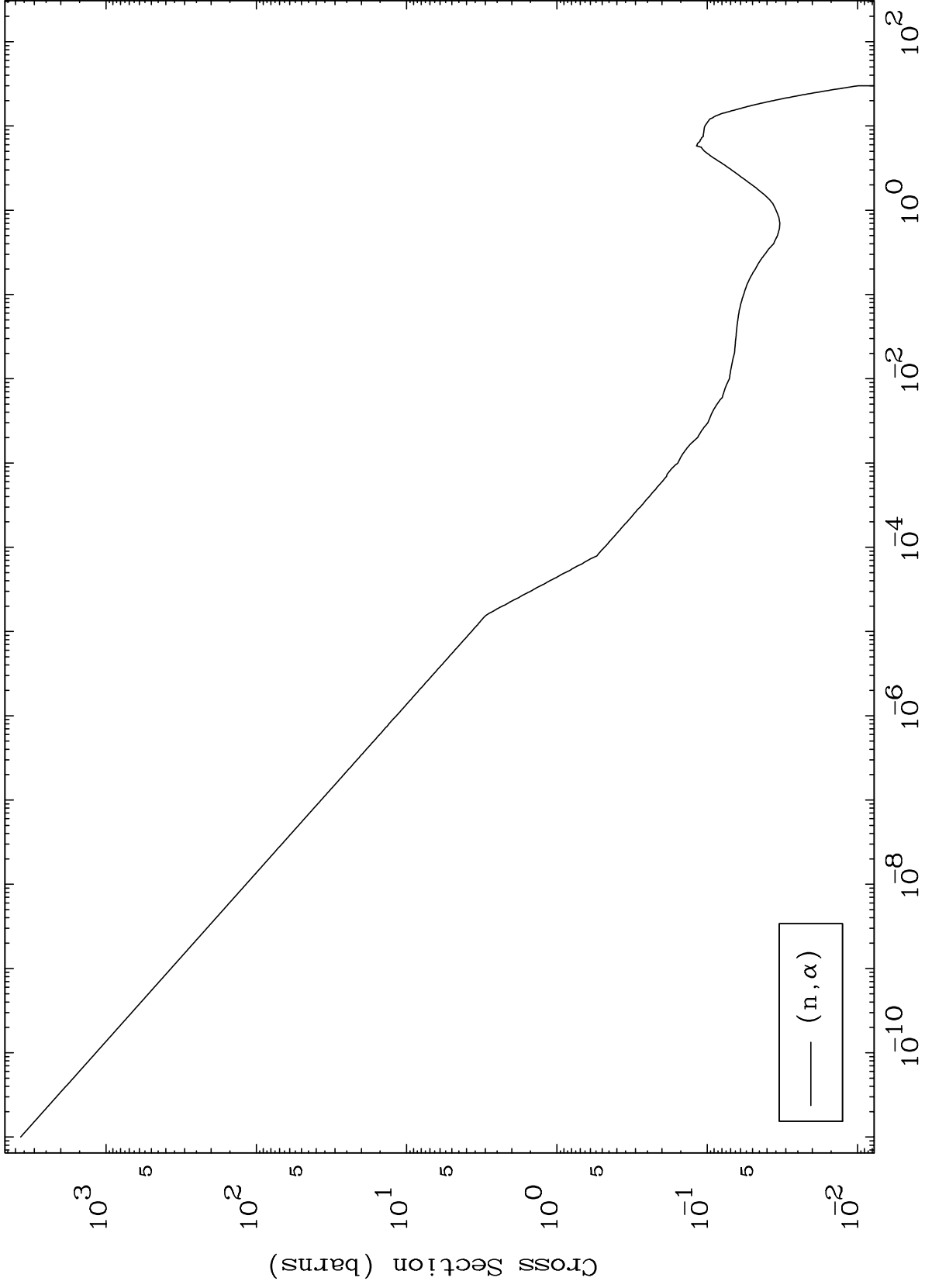
293 Kelvin Cross Sections



MAT 4810

(n,α) Levels
293 Kelvin Cross Sections

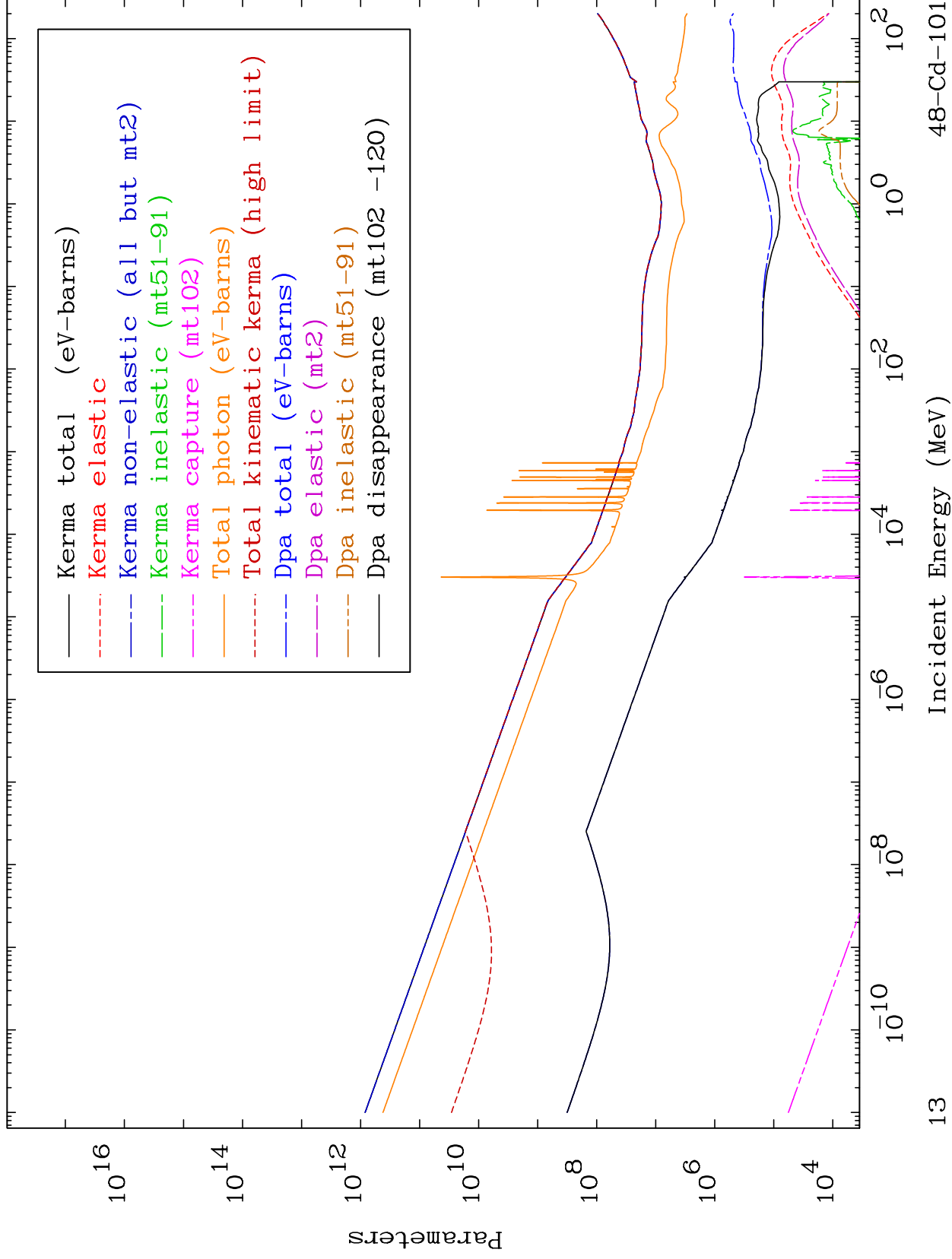
48-Cd-101



12

Incident Energy (MeV)

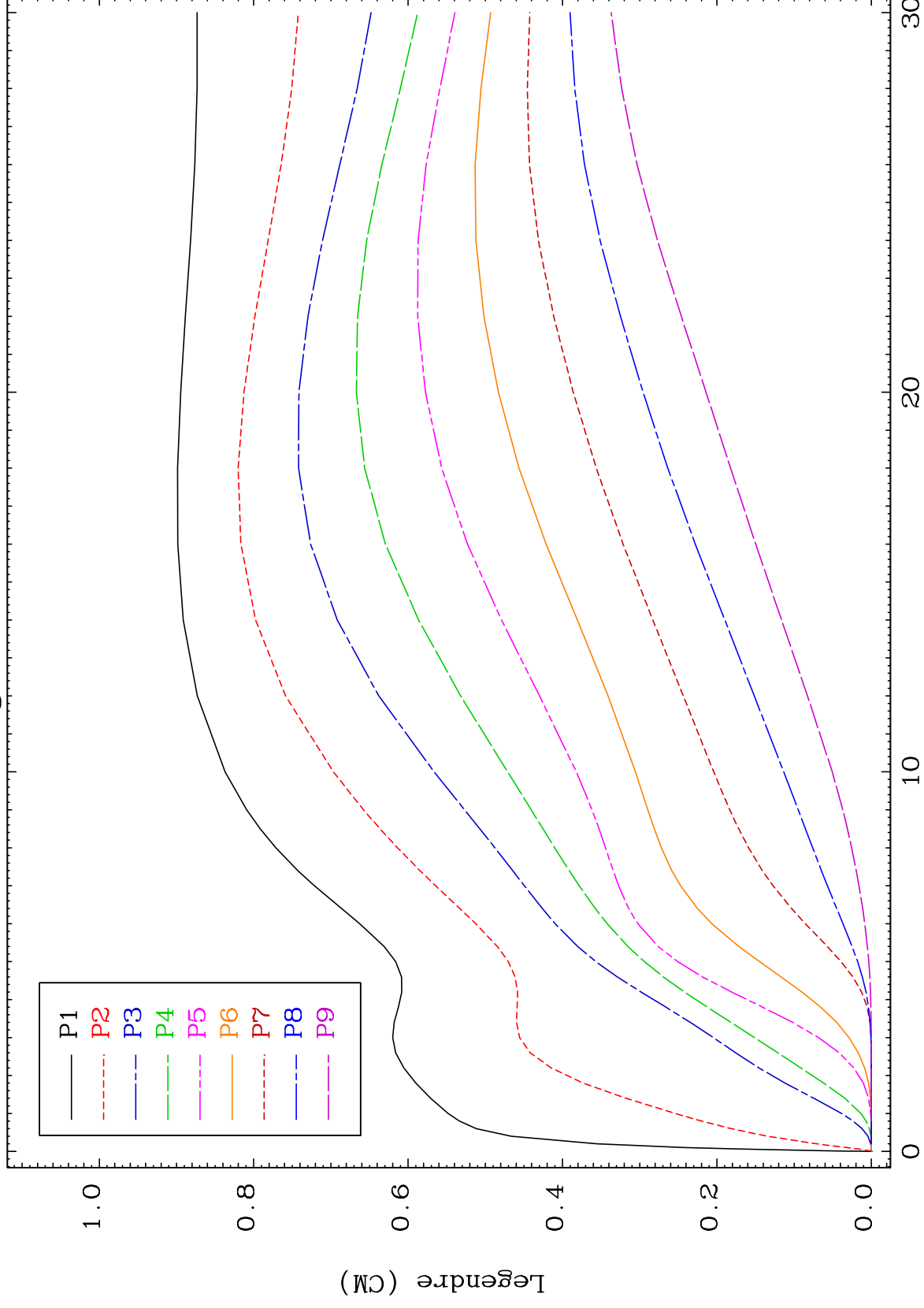
48-Cd-101



MAT 4810

Elastic Legendre Coefficients

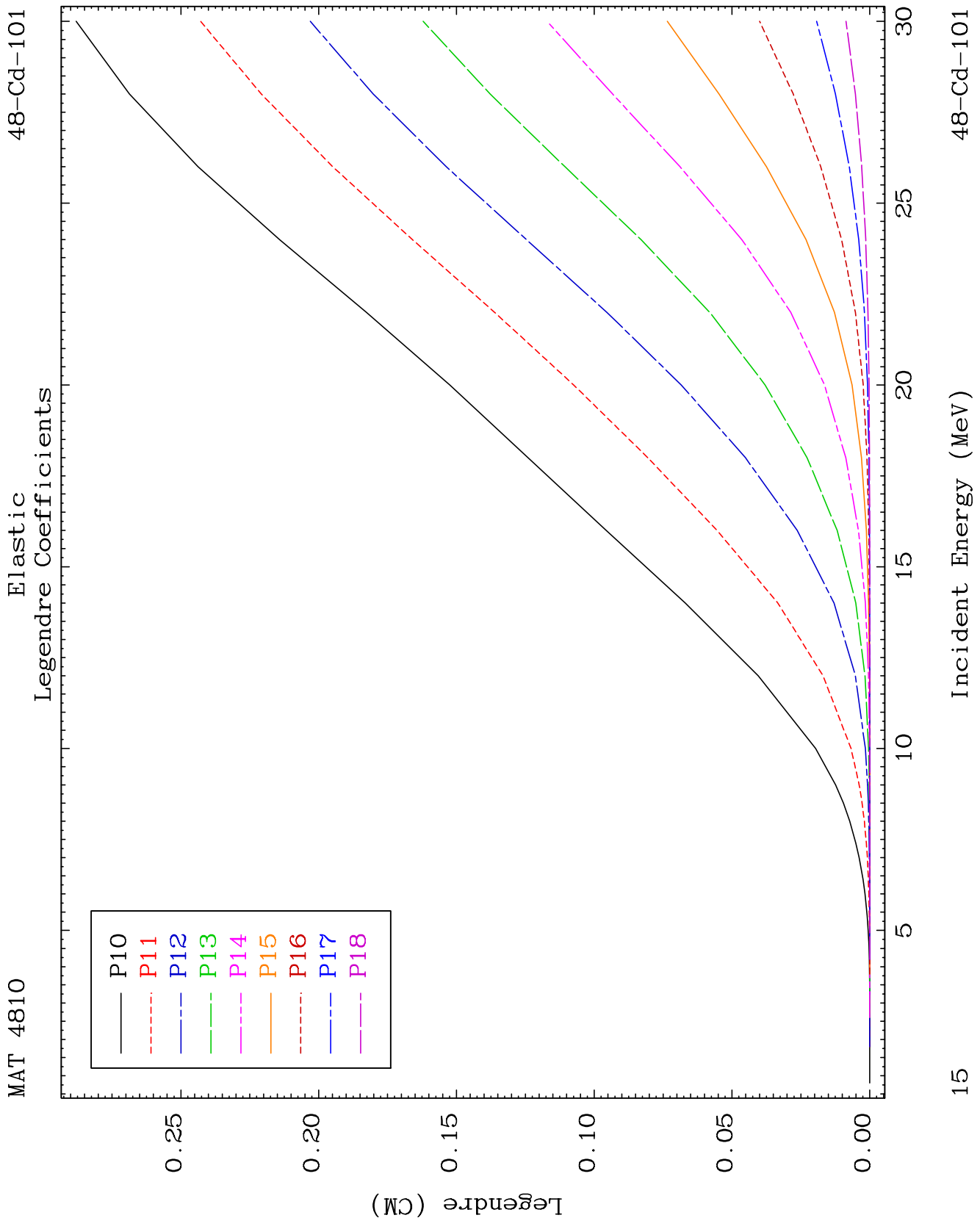
48-Cd-101



14

Incident Energy (MeV)

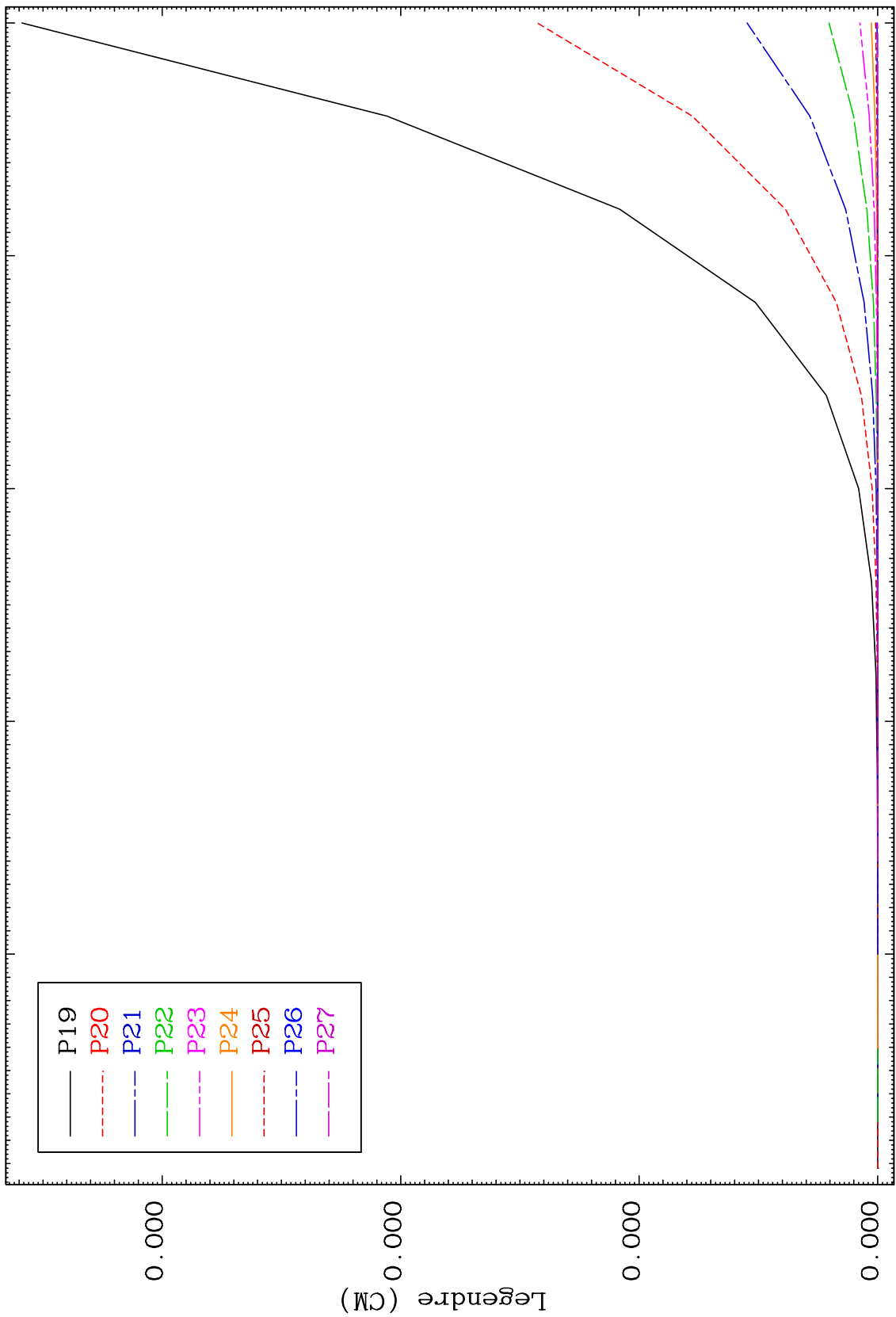
48-Cd-101



MAT 4810

Elastic Legendre Coefficients

48-Cd-101



16

Incident Energy (MeV)

48-Cd-101

MAT 4810

Elastic Legendre Coefficients

48-Cd-101

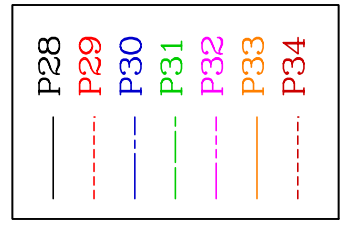
$\times 10^{-7}$
0.5

Legendre (CM)

0.0

-0.5

-1.0



15

20

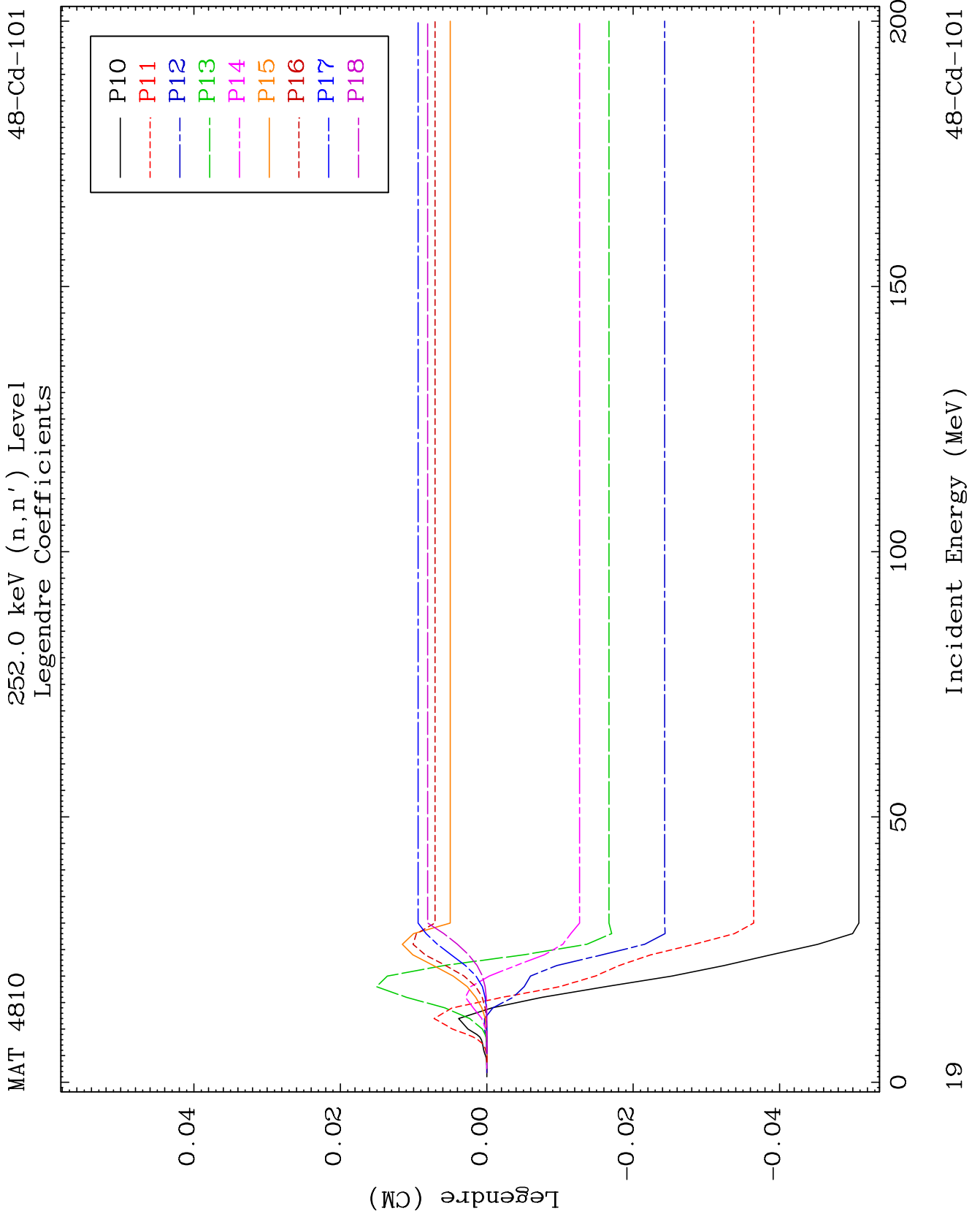
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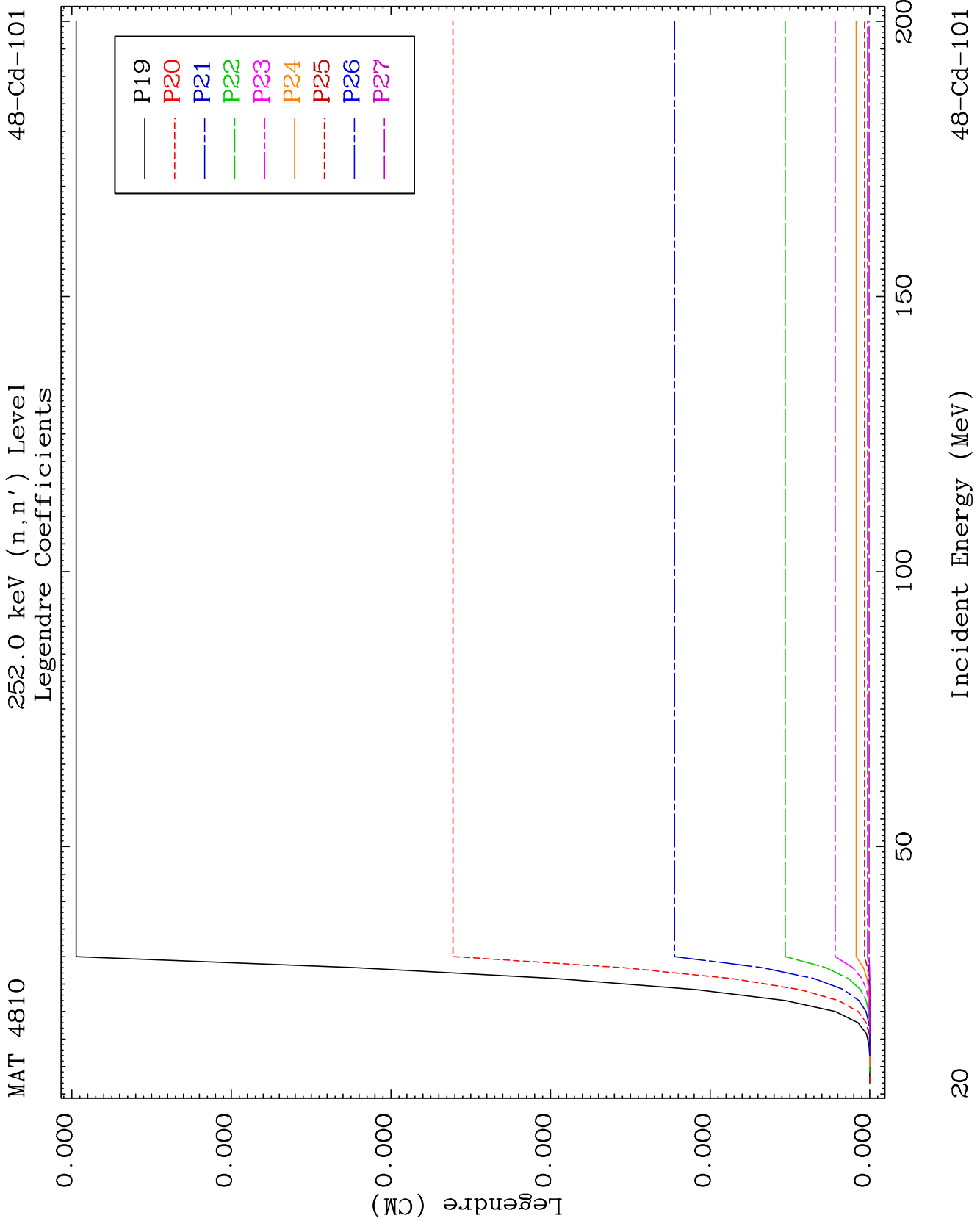
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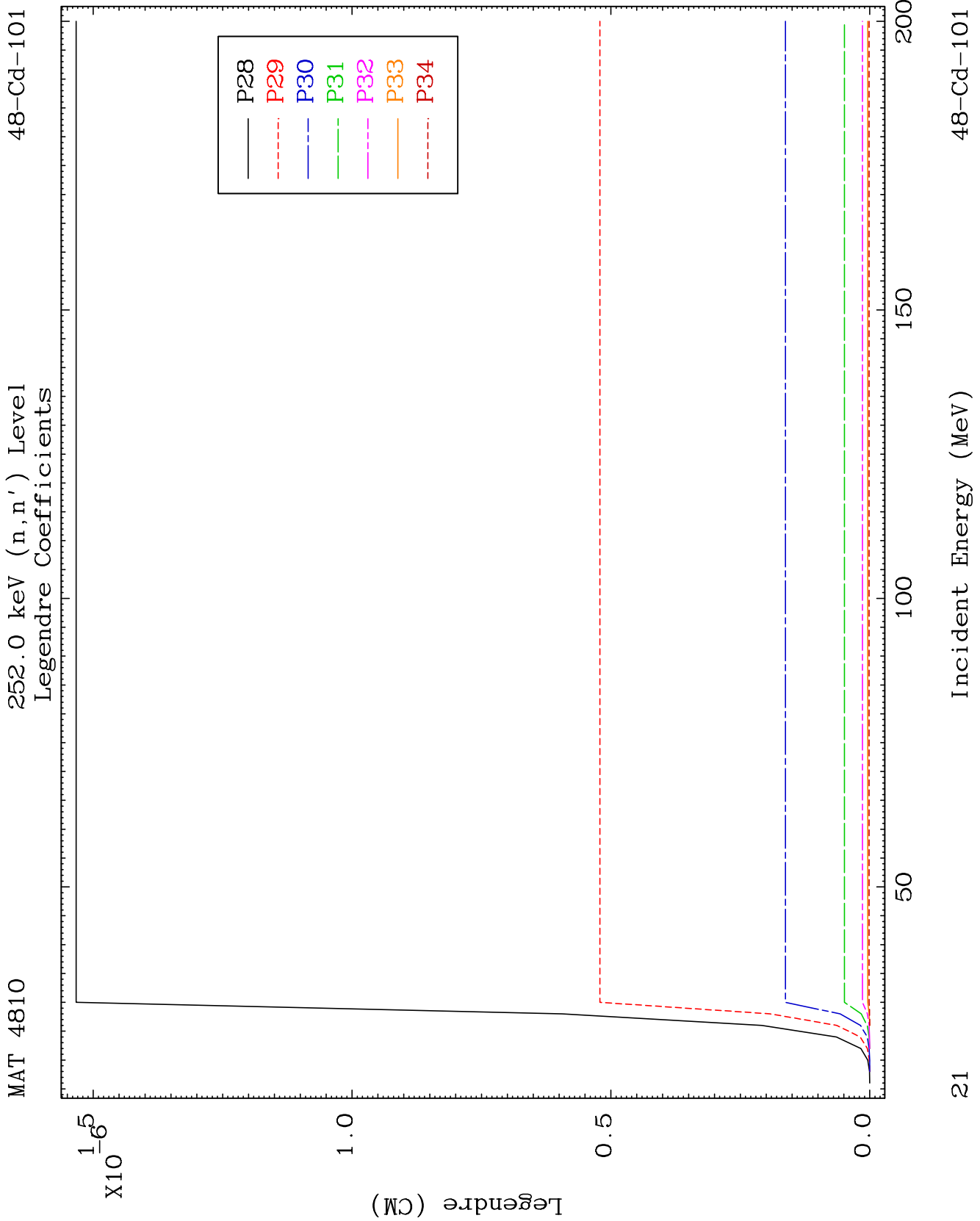
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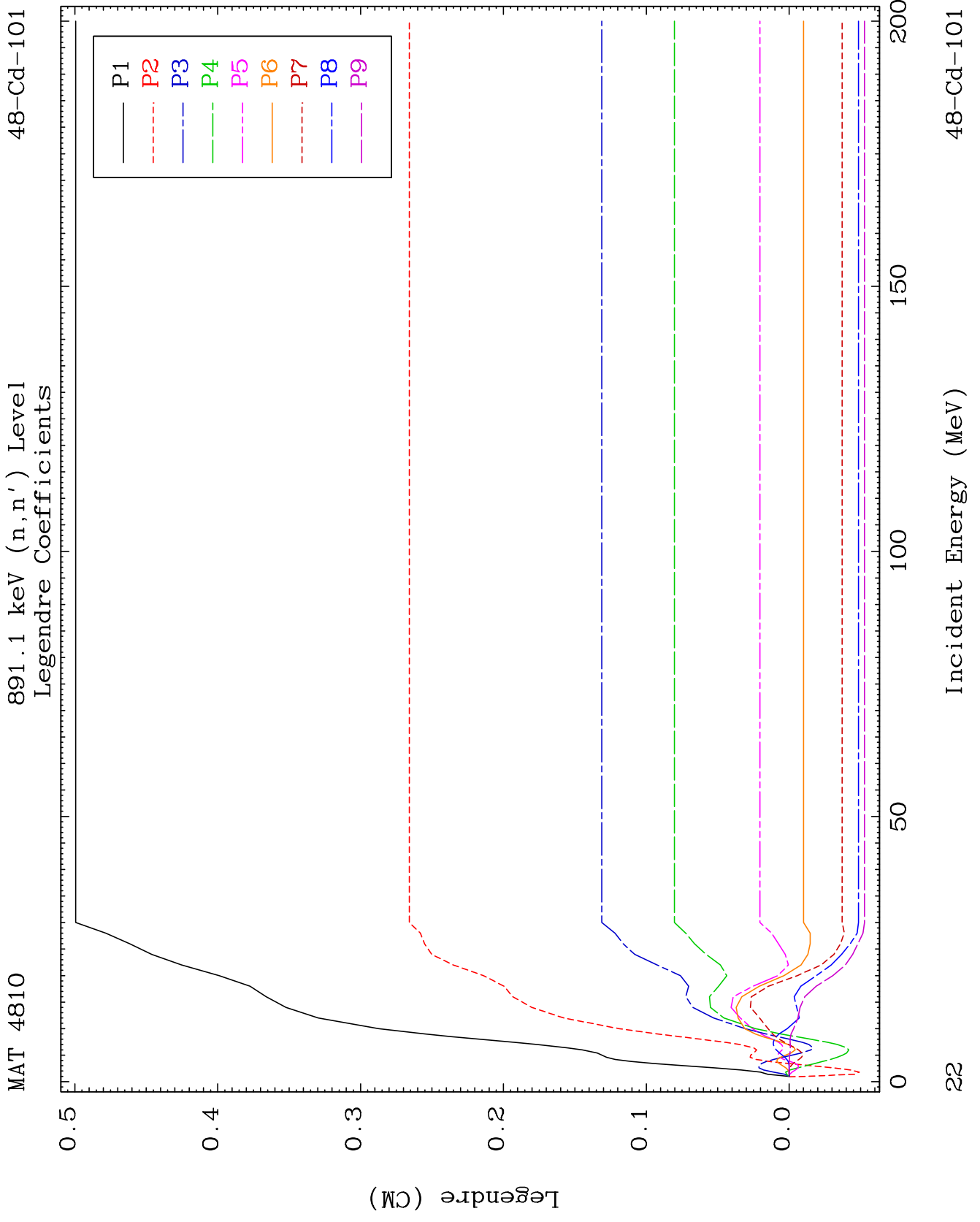
Incident Energy (MeV)

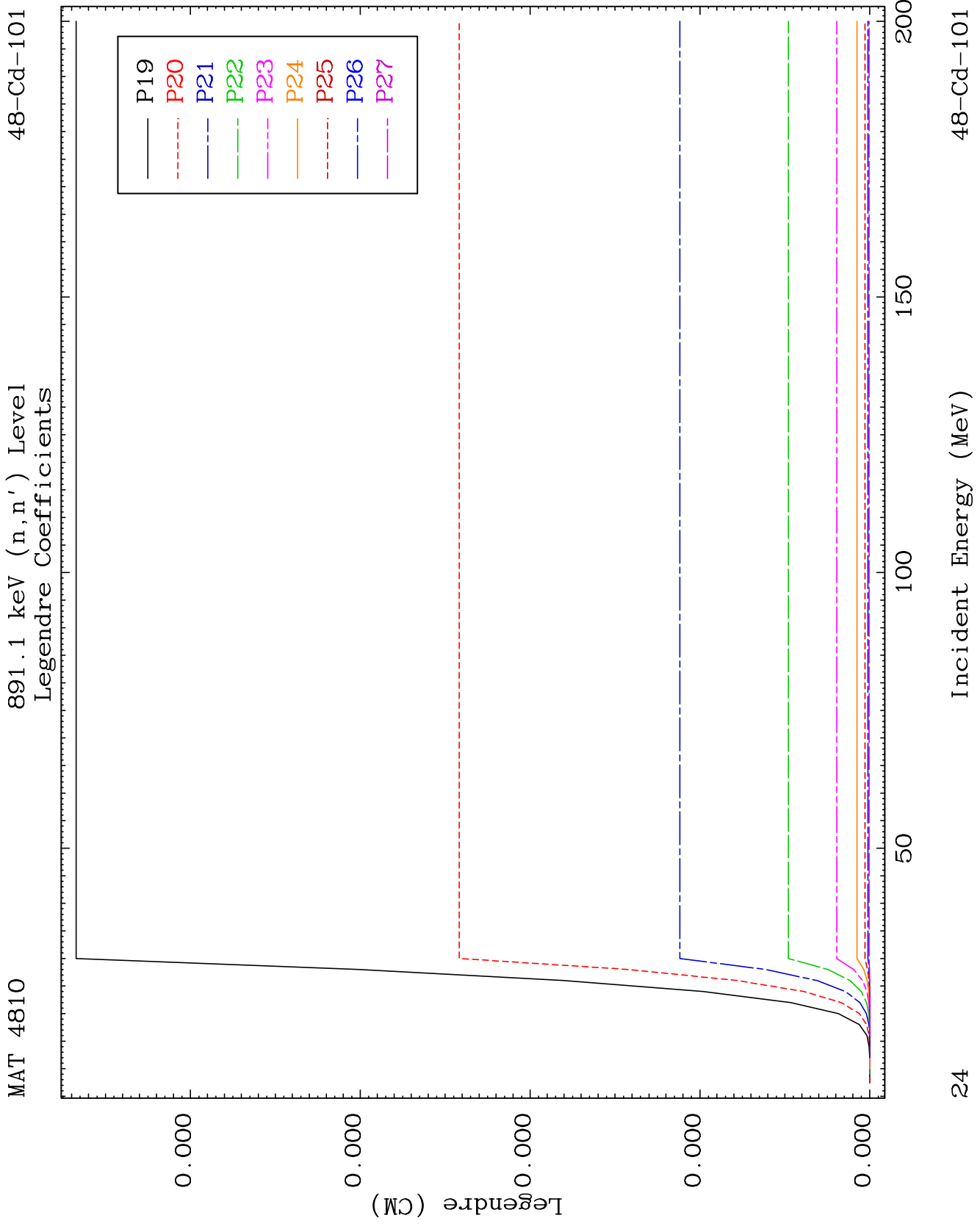
48-Cd-101

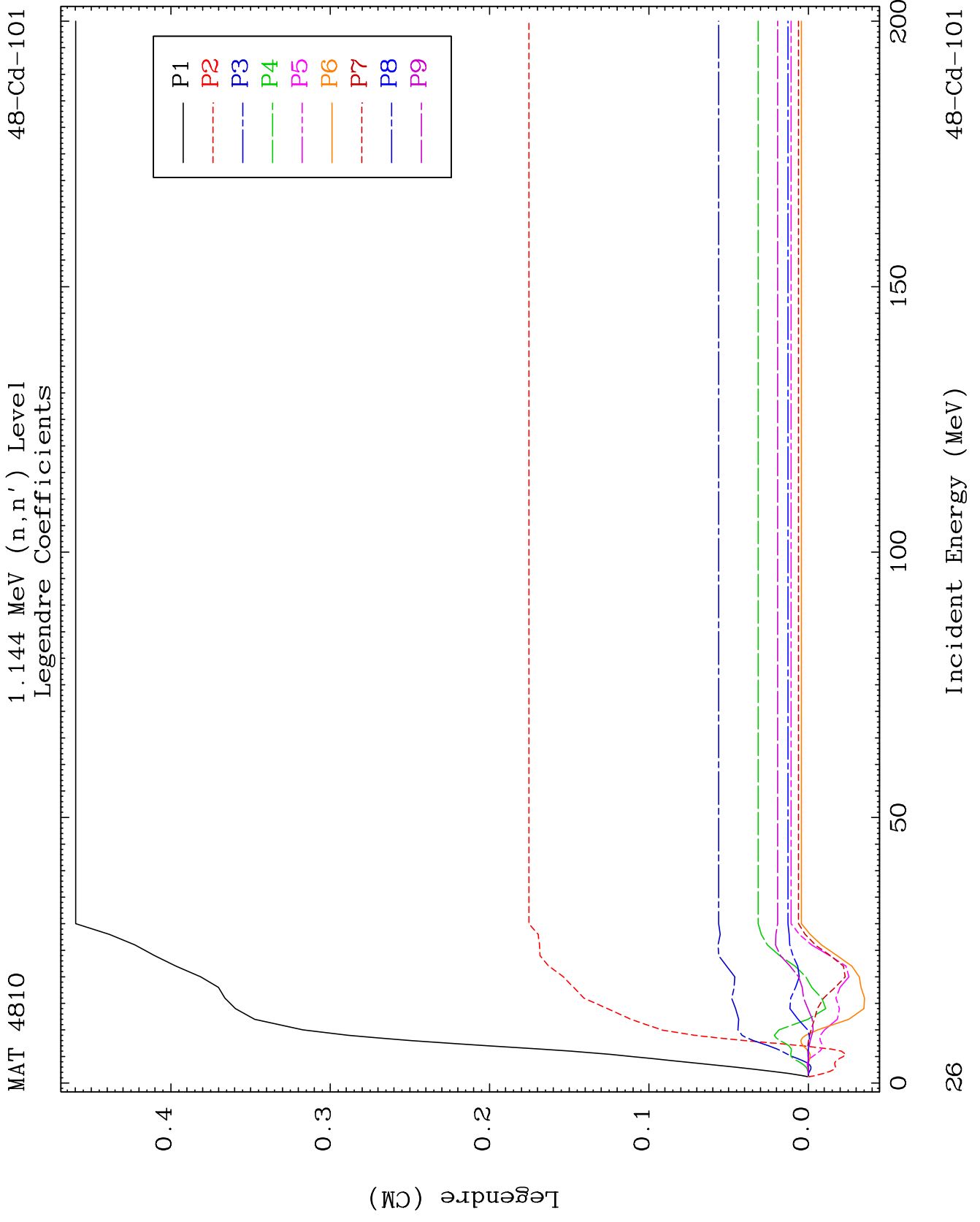








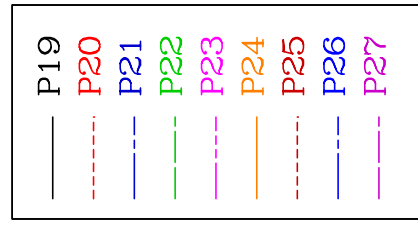




MAT 4810

1.144 MeV (n, n') Level
Legendre Coefficients

48-Cd-101



$\times 10^{-3}$
Legendre (CM)

1.0

0.5

0.0

50

100

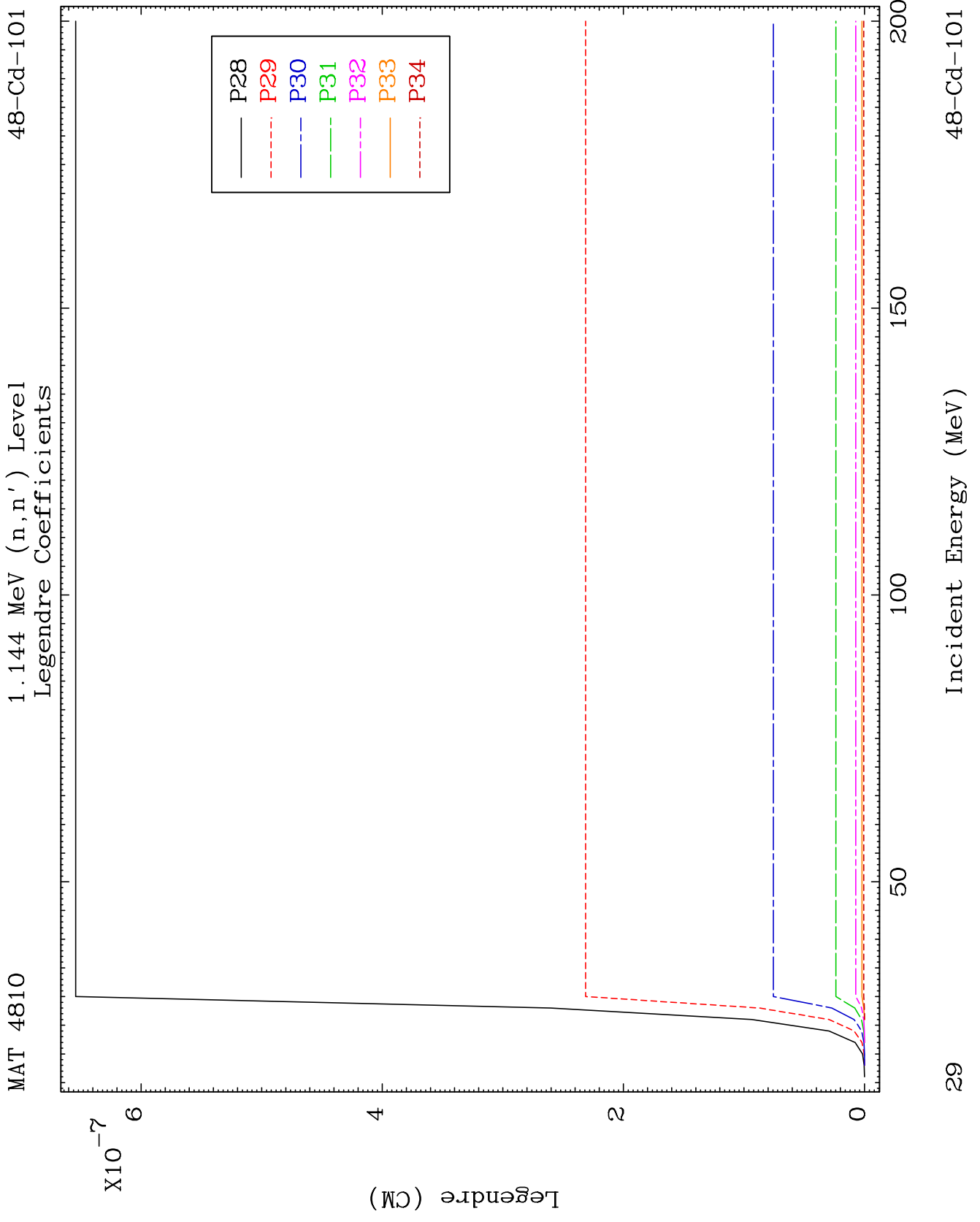
150

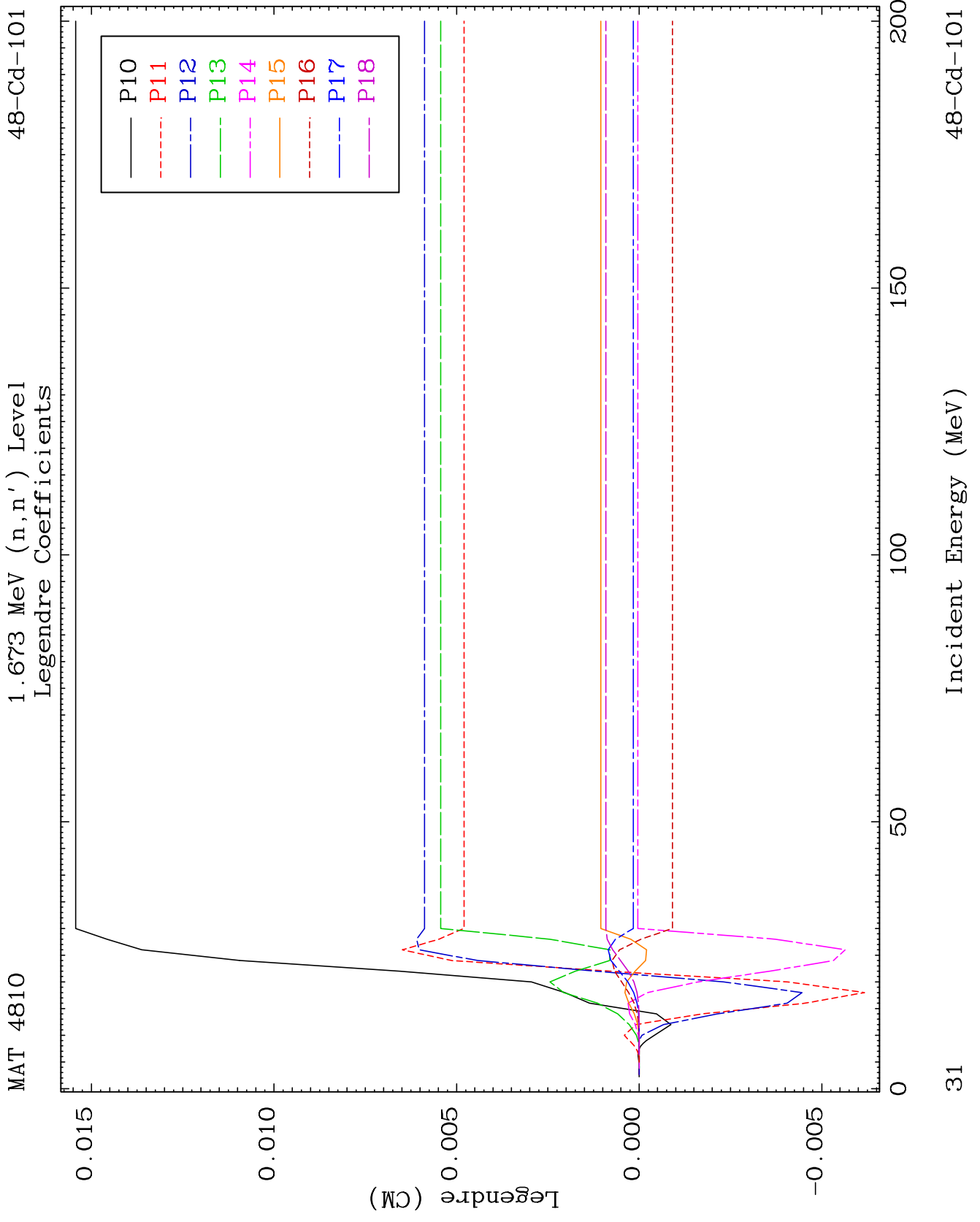
200

28

Incident Energy (MeV)

48-Cd-101

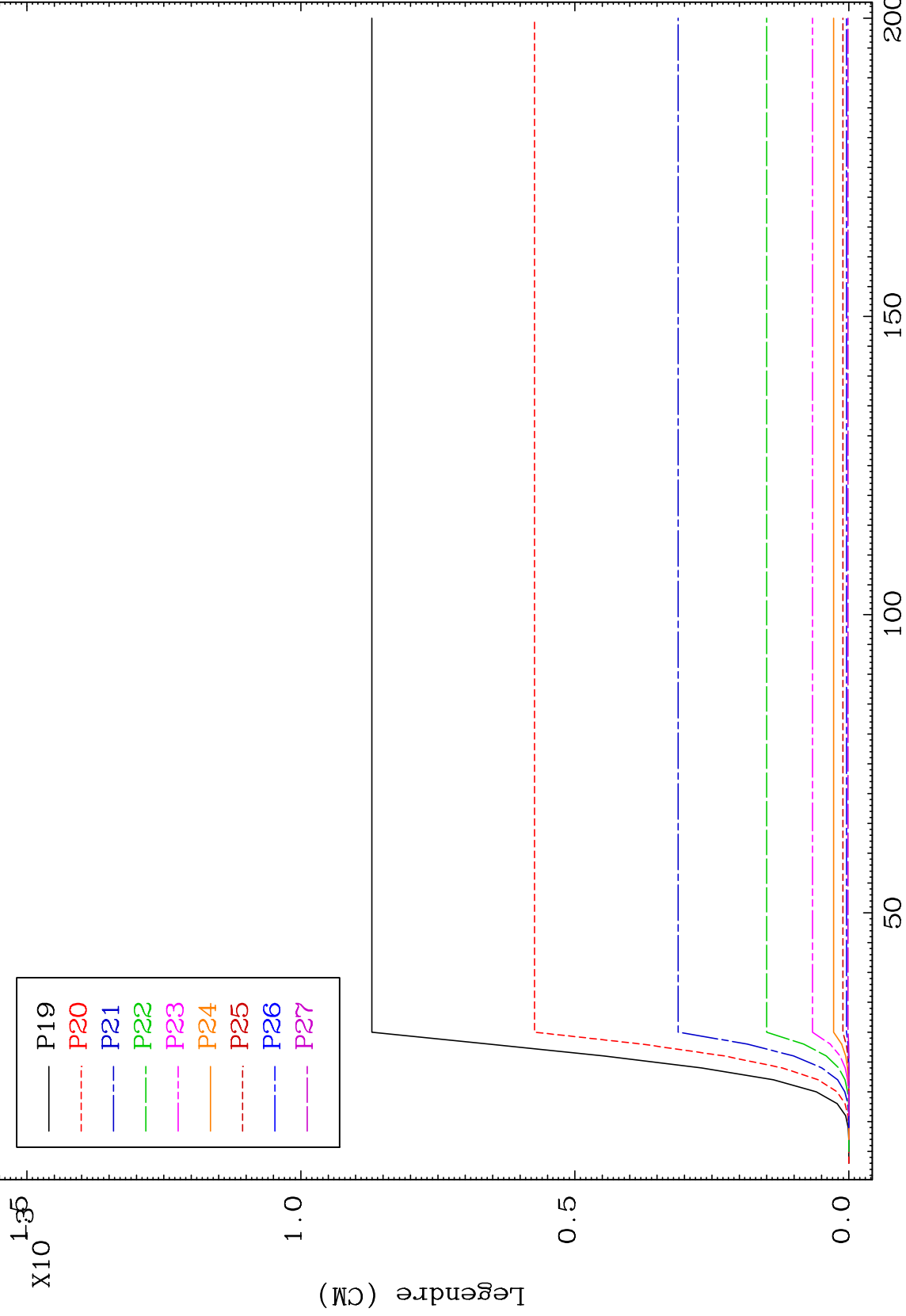




MAT 4810

1.673 MeV (n, n') Level
Legendre Coefficients

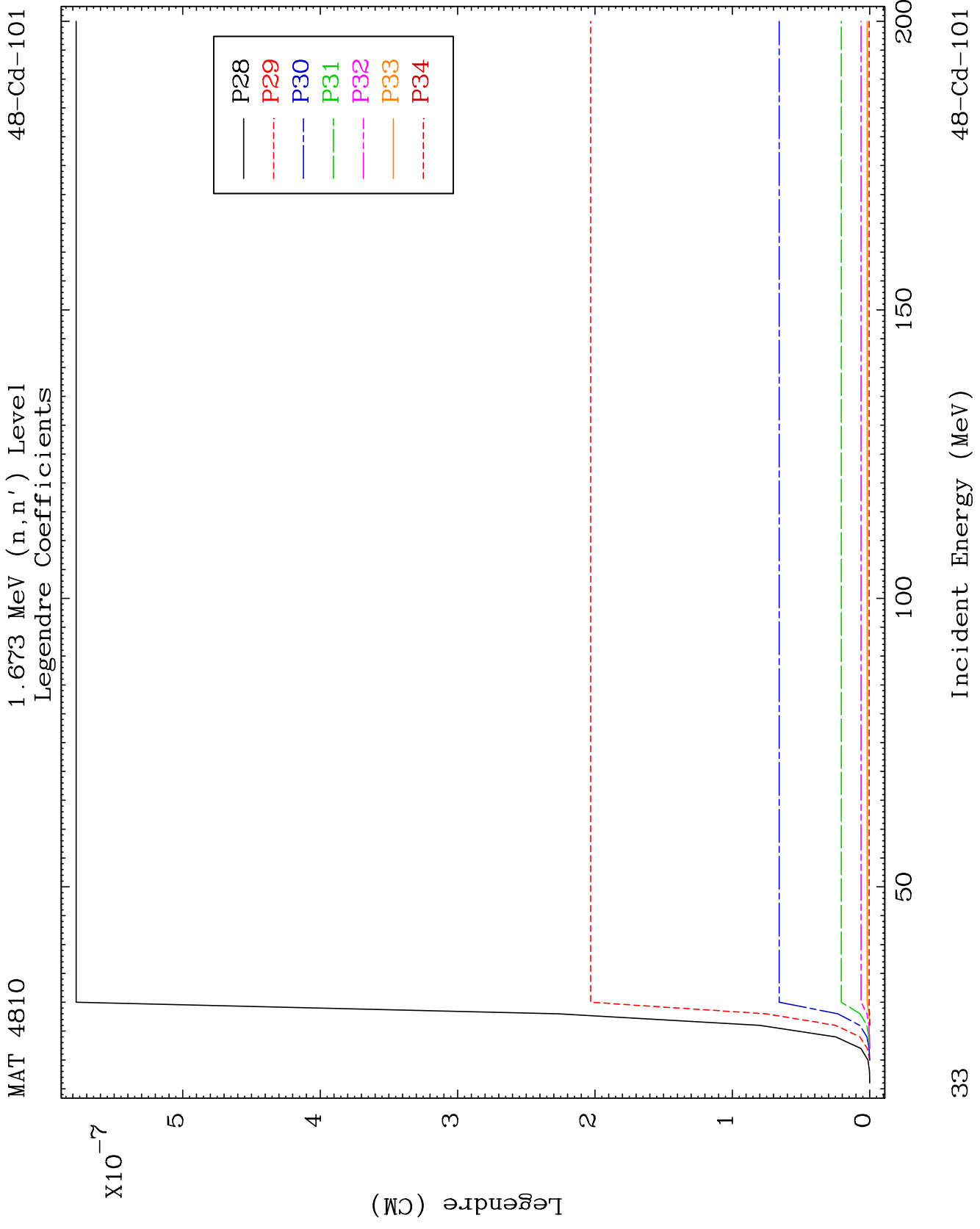
48-Cd-101



32

Incident Energy (MeV)

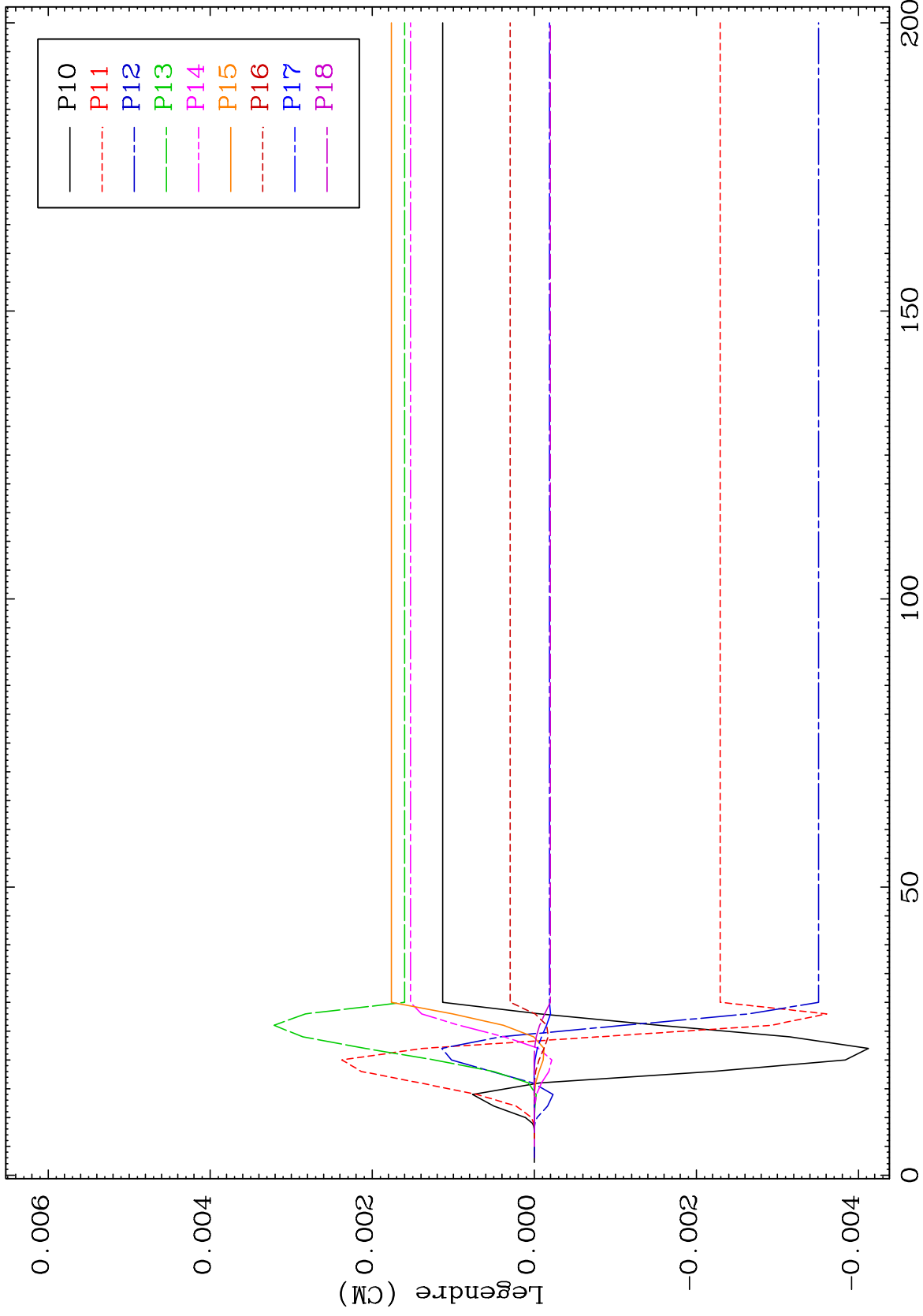
48-Cd-101



MAT 4810

1.799 MeV (n,n') Level
Legendre Coefficients

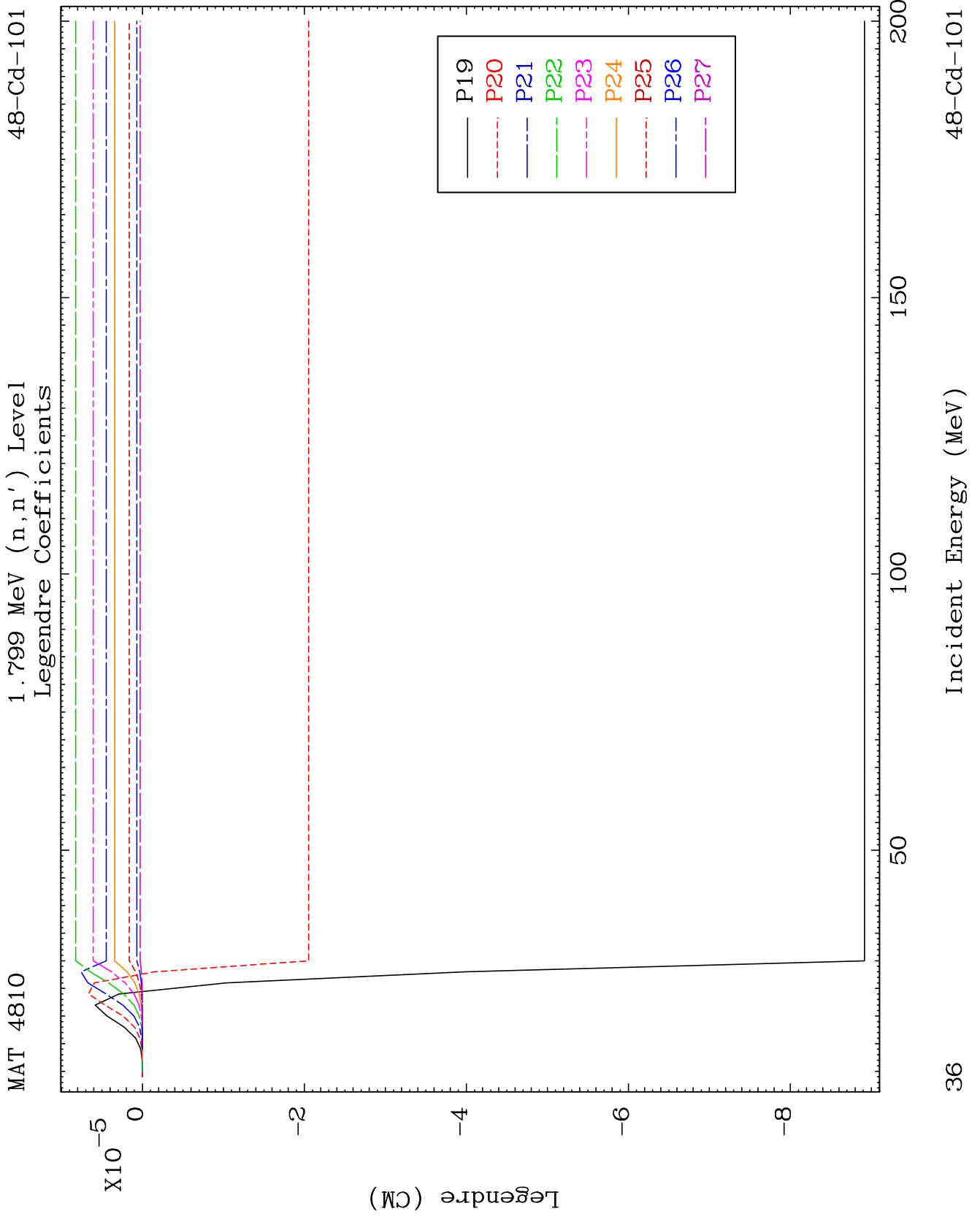
48-Cd-101



35

Incident Energy (MeV)

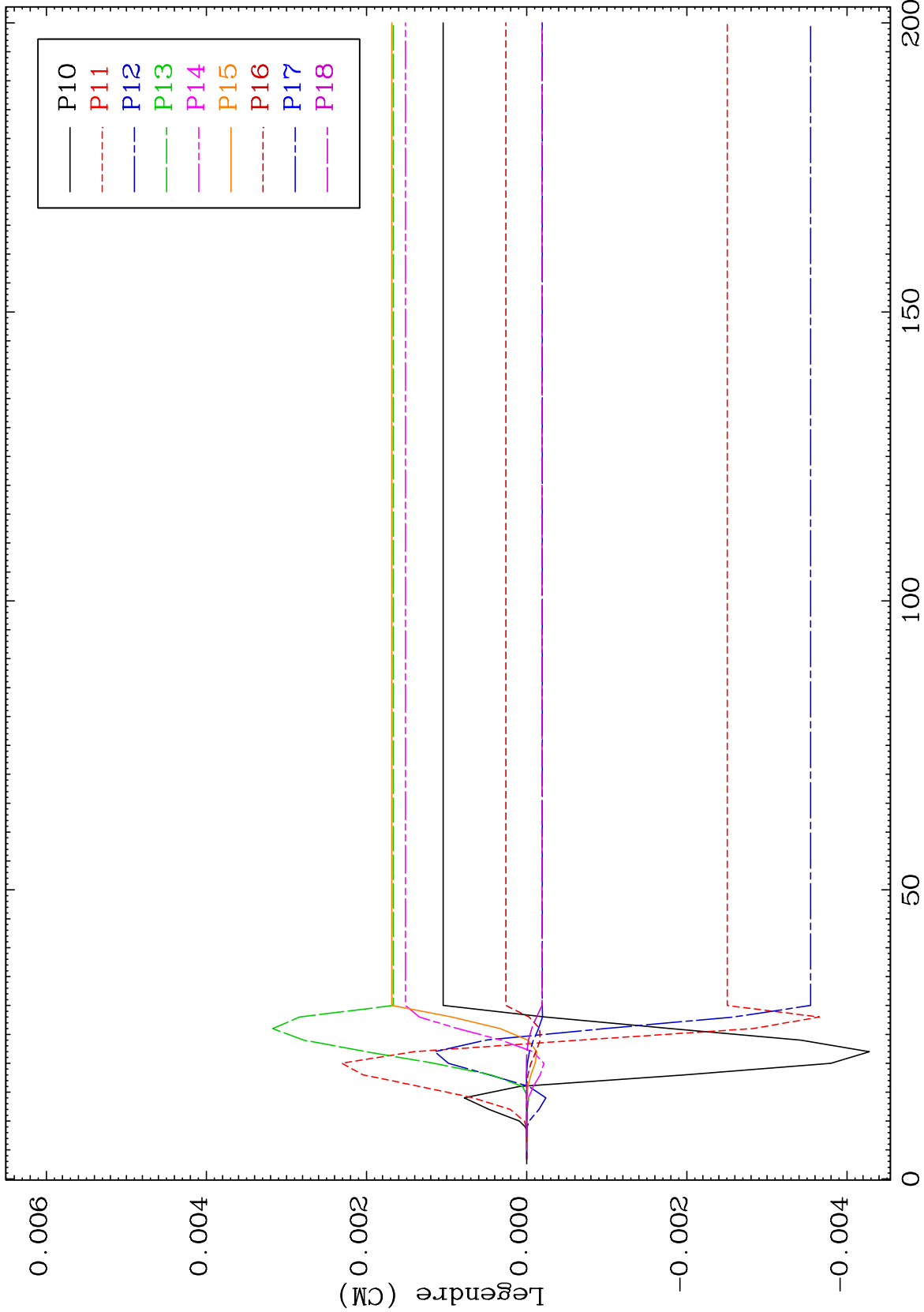
48-Cd-101



MAT 4810

2.128 MeV (n,n') Level
Legendre Coefficients

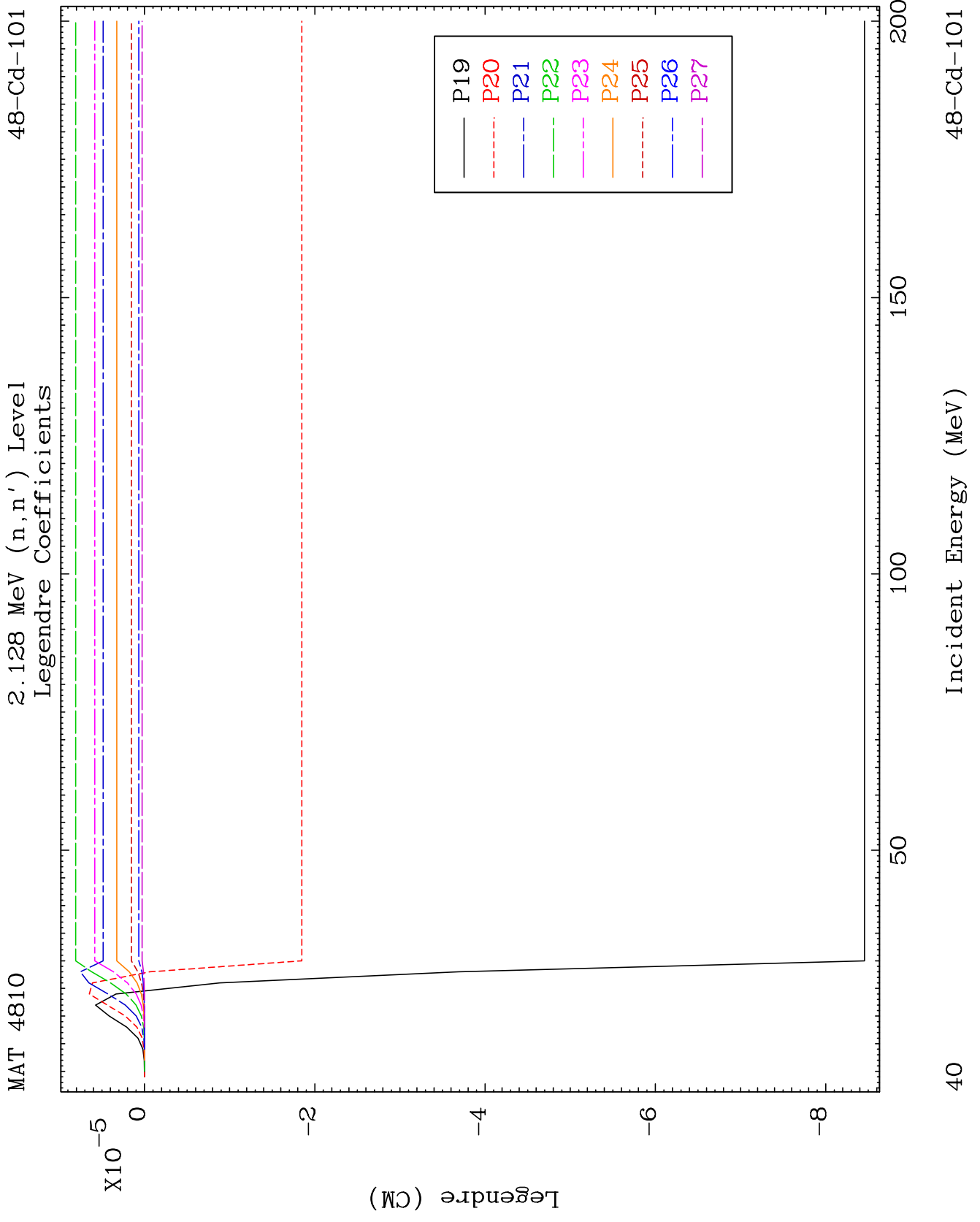
48-Cd-101

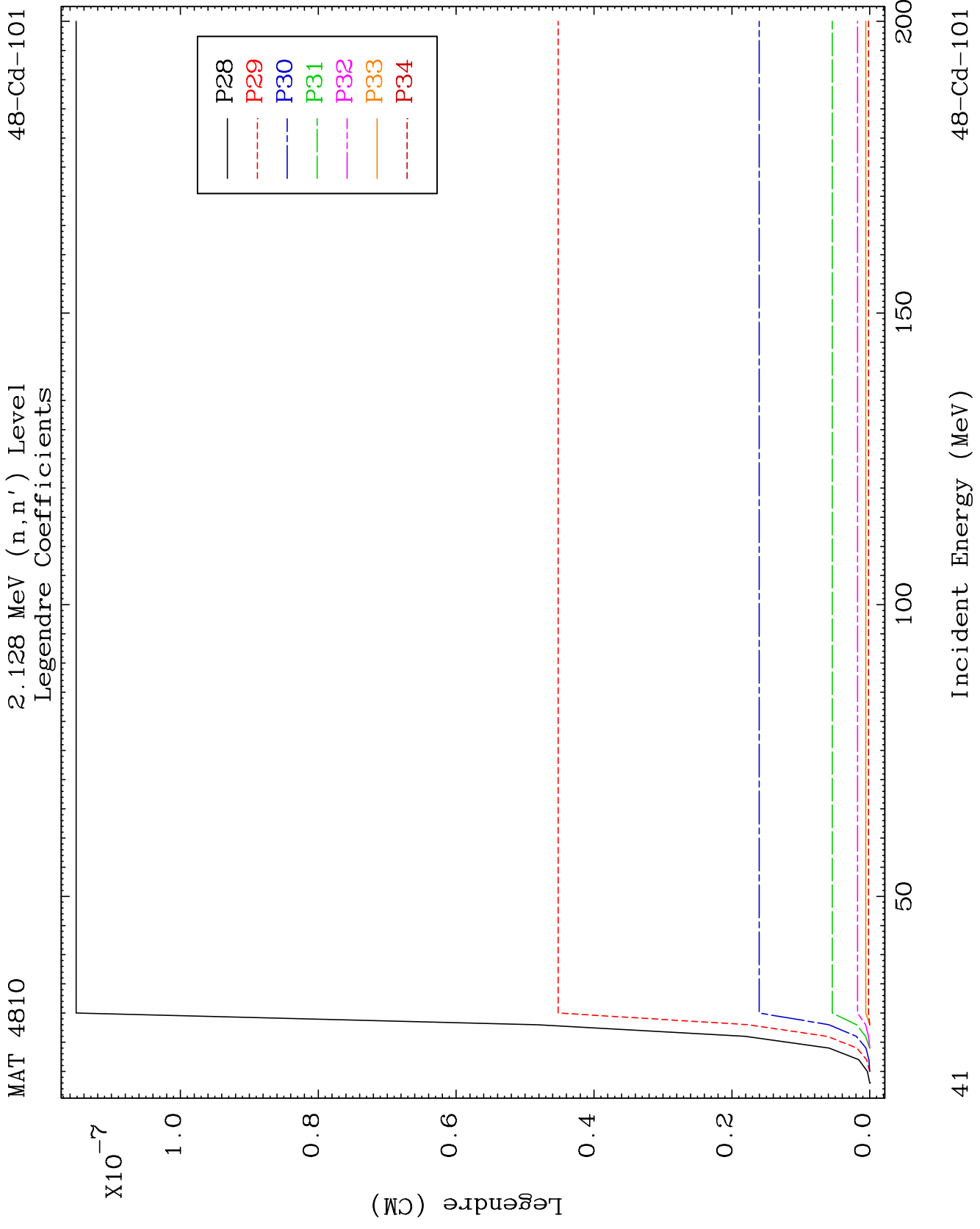


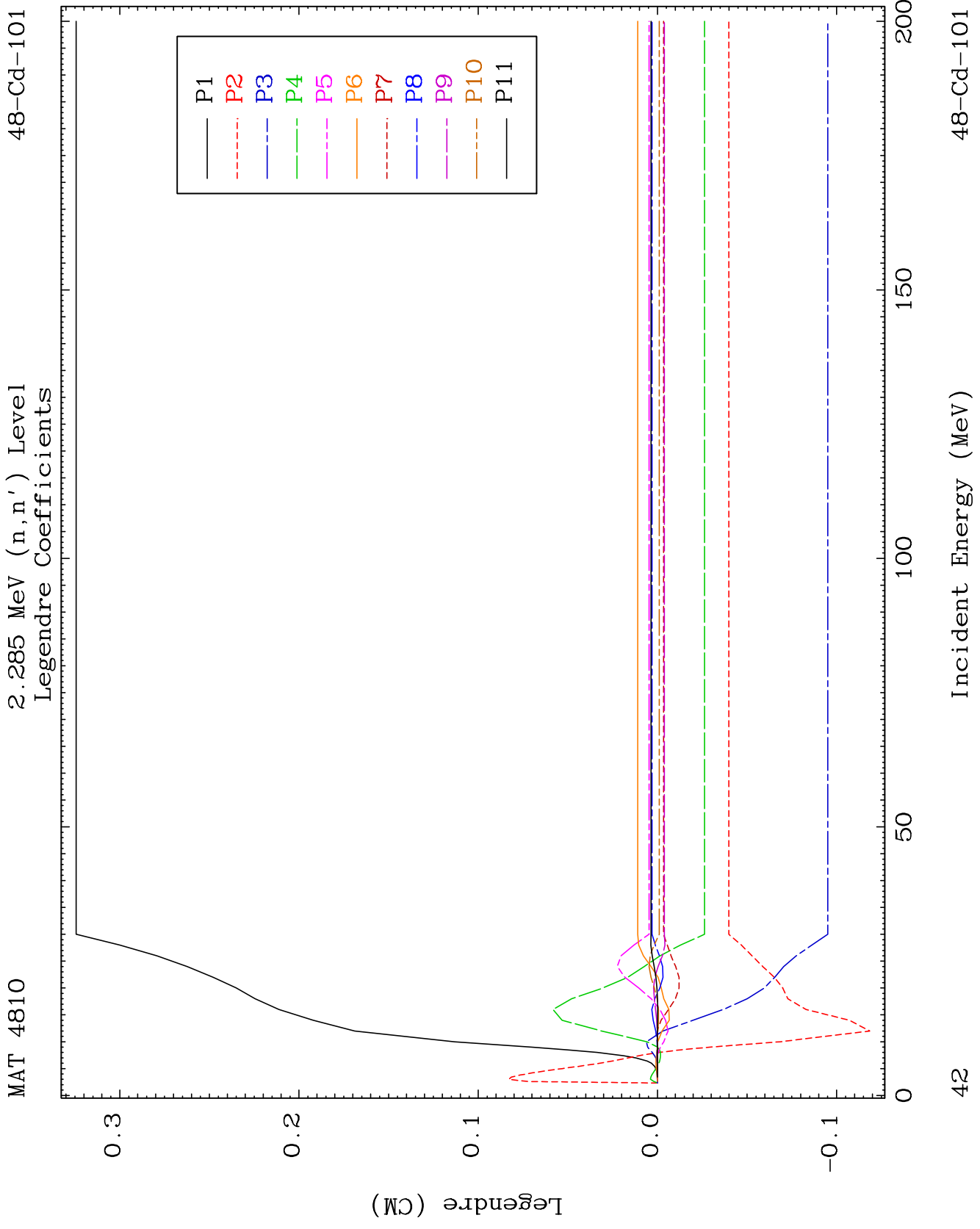
39

Incident Energy (MeV)

48-Cd-101



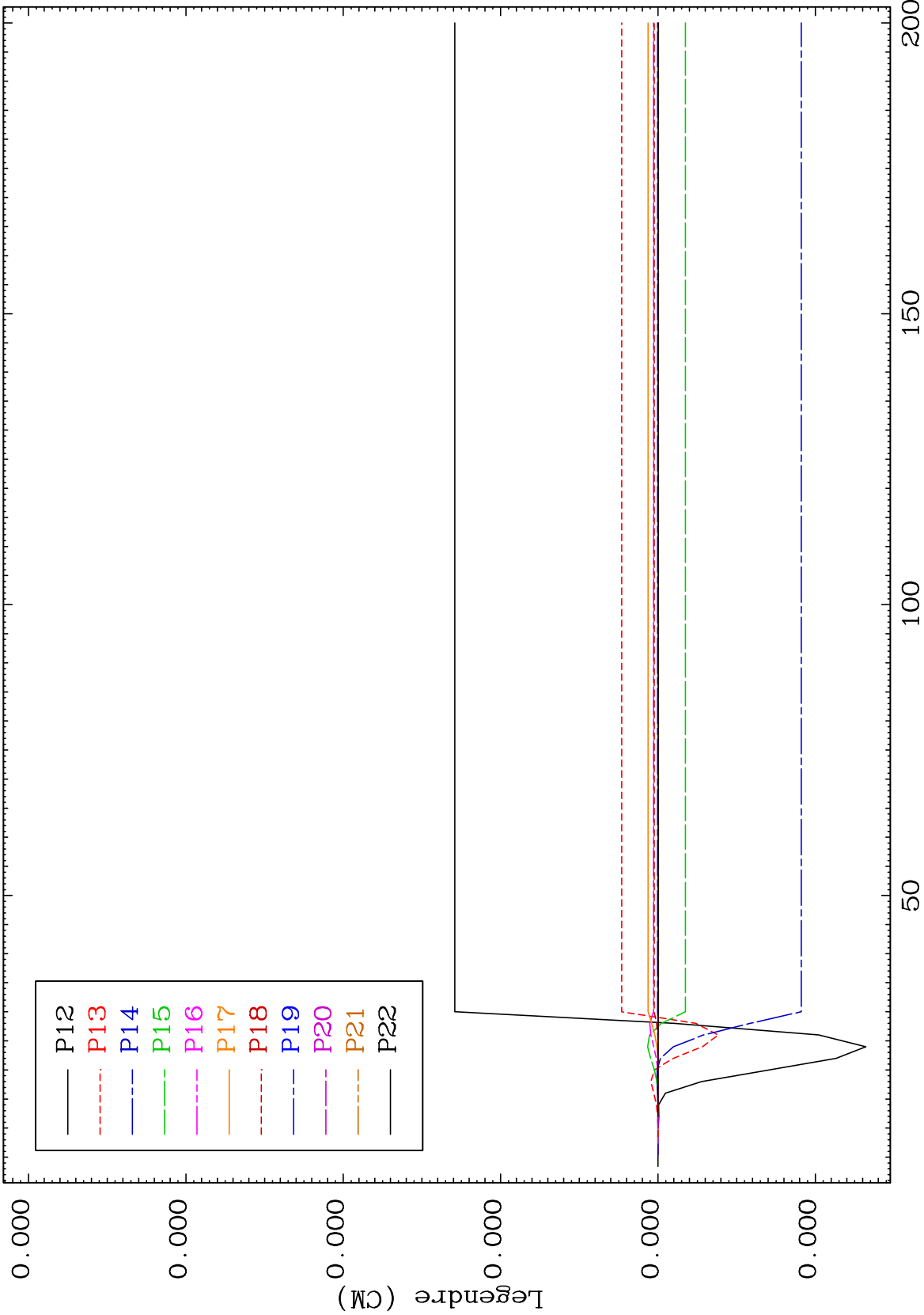




MAT 4810

2.285 MeV (n,n') Level
Legendre Coefficients

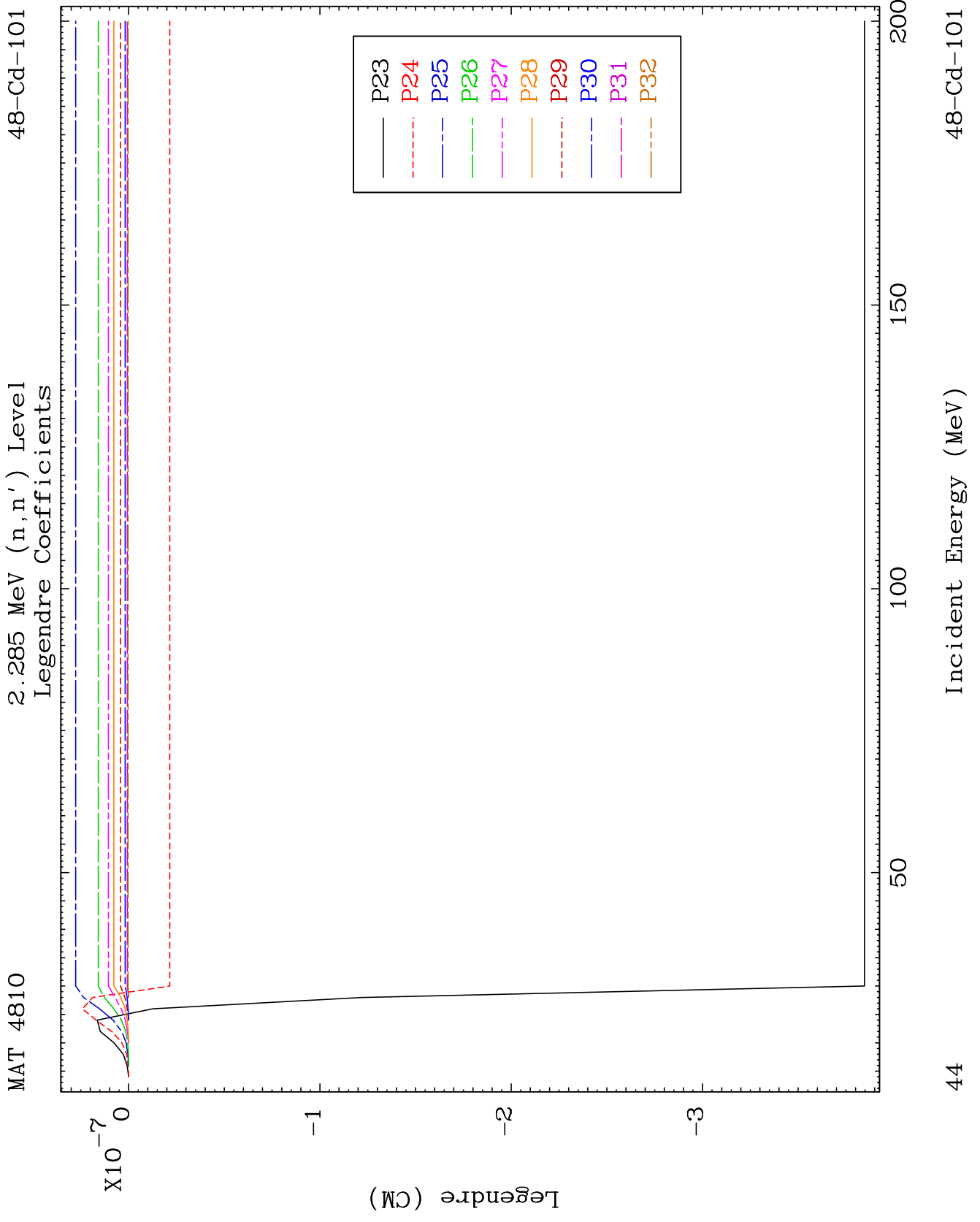
48-Cd-101

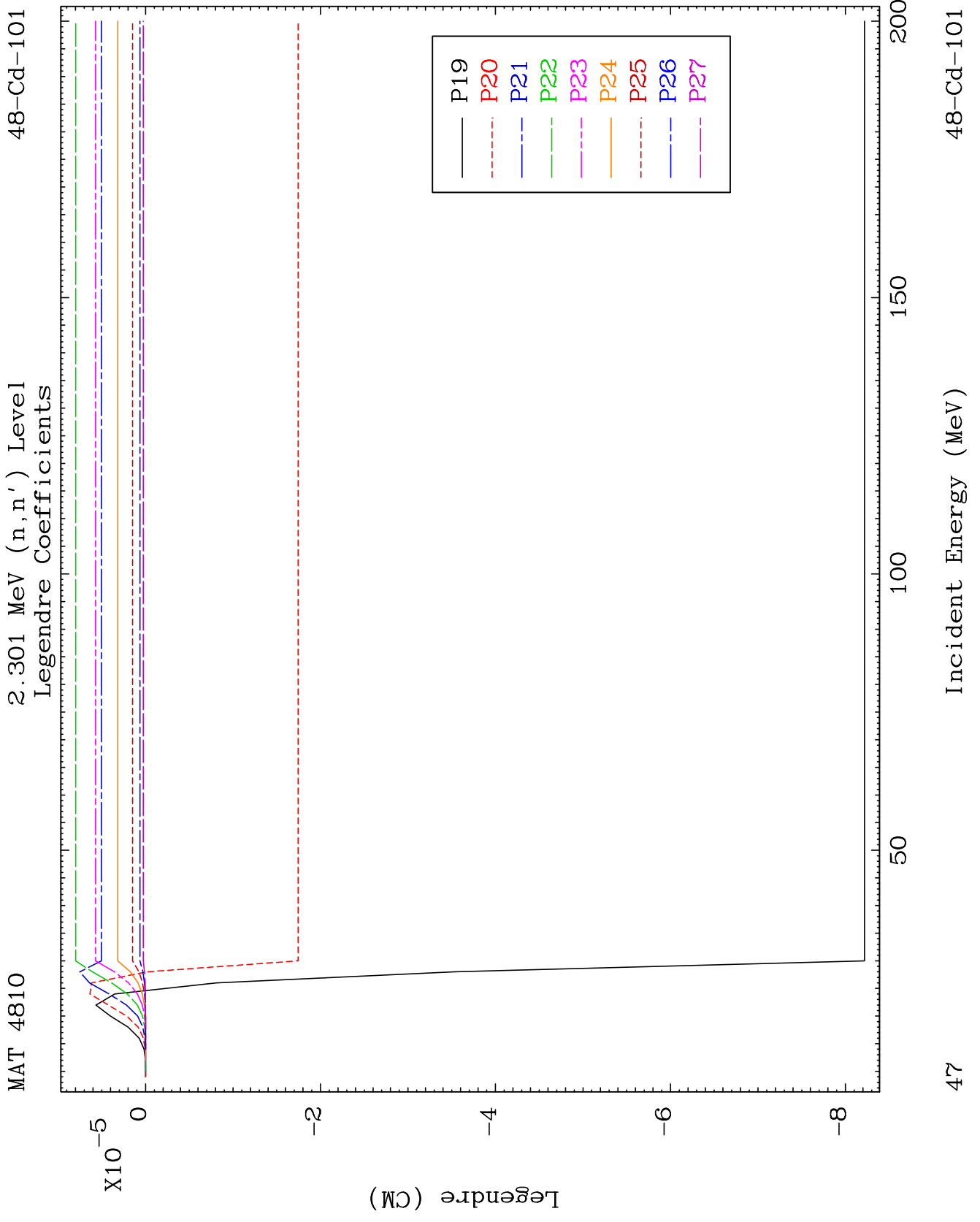


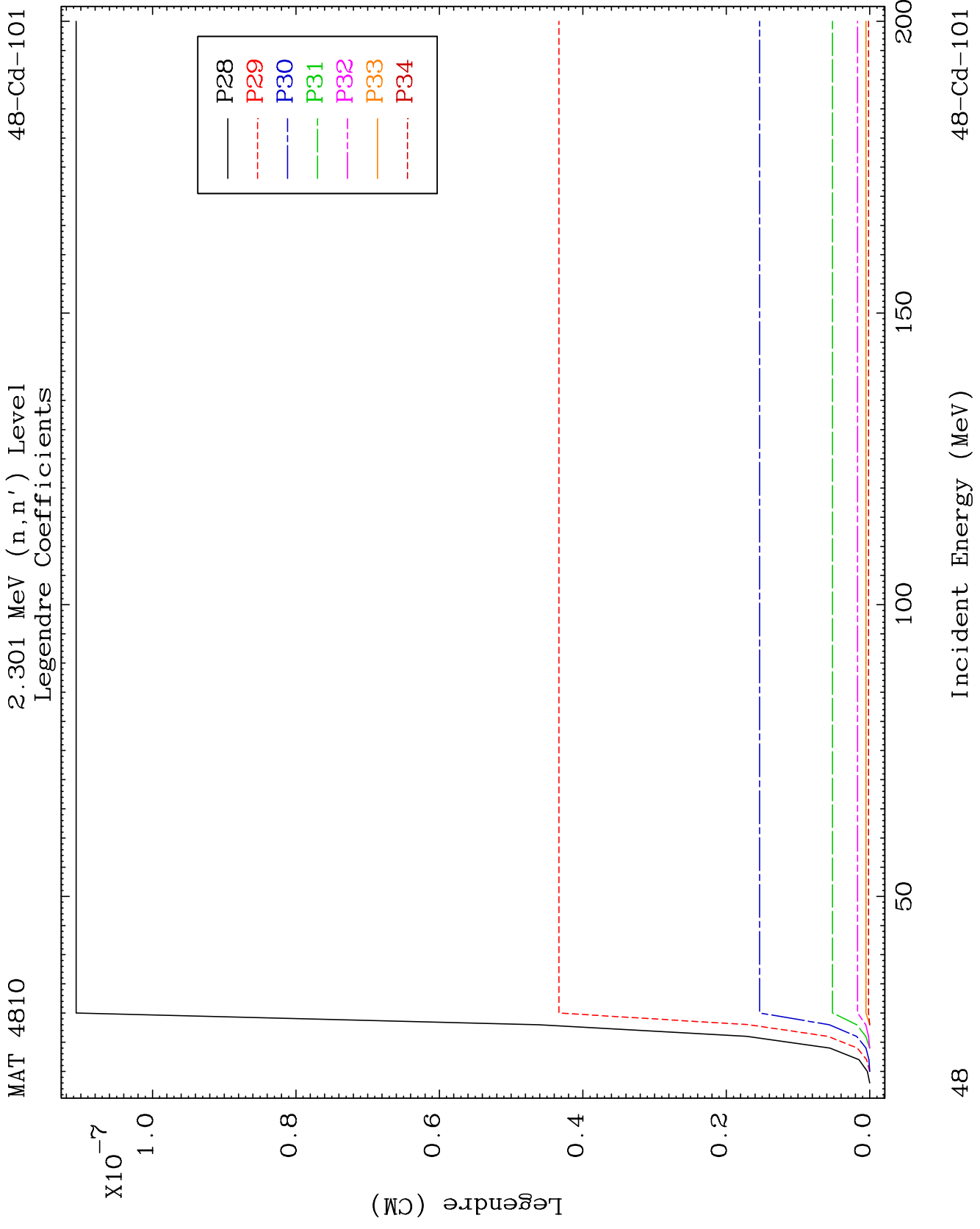
43

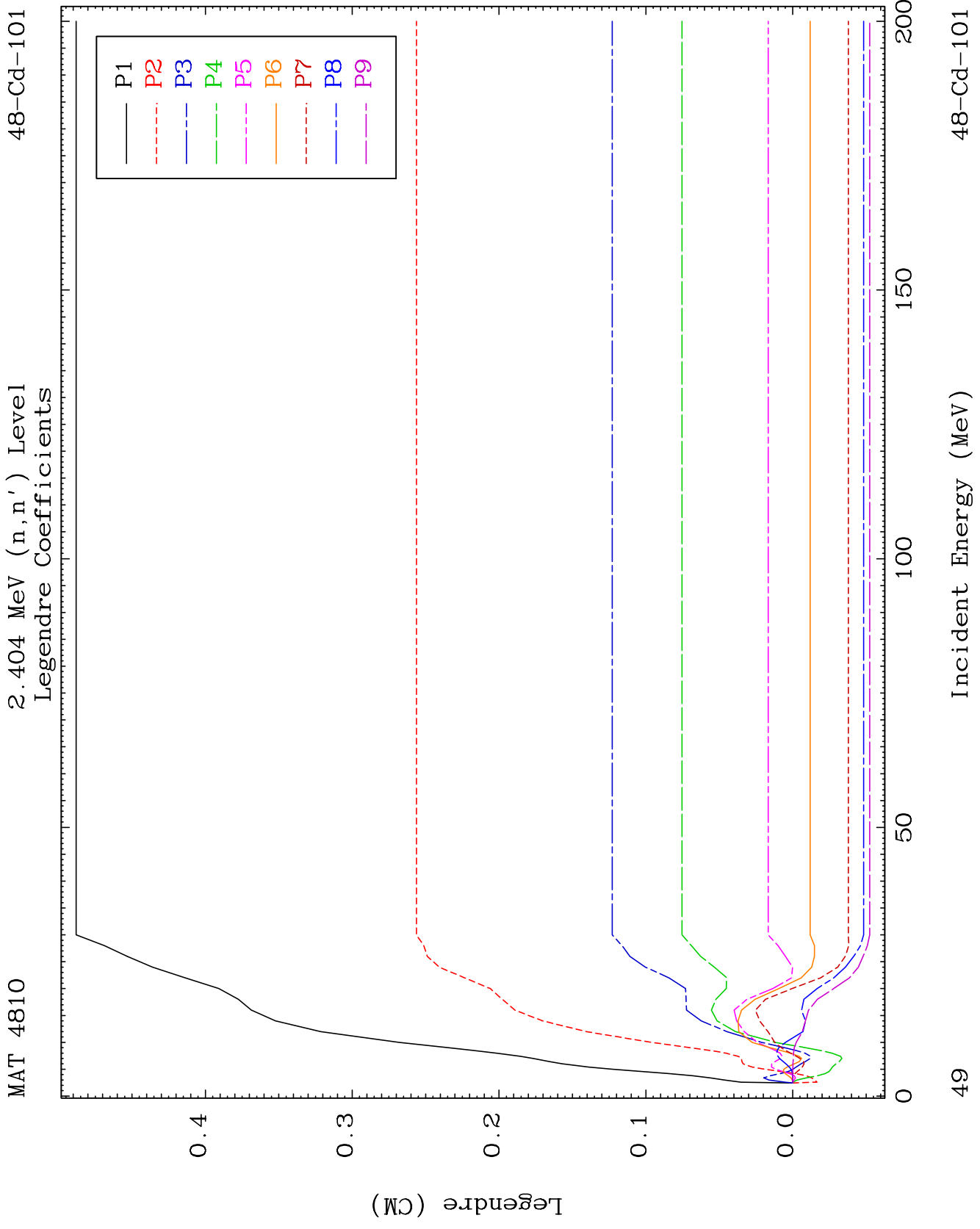
Incident Energy (MeV)

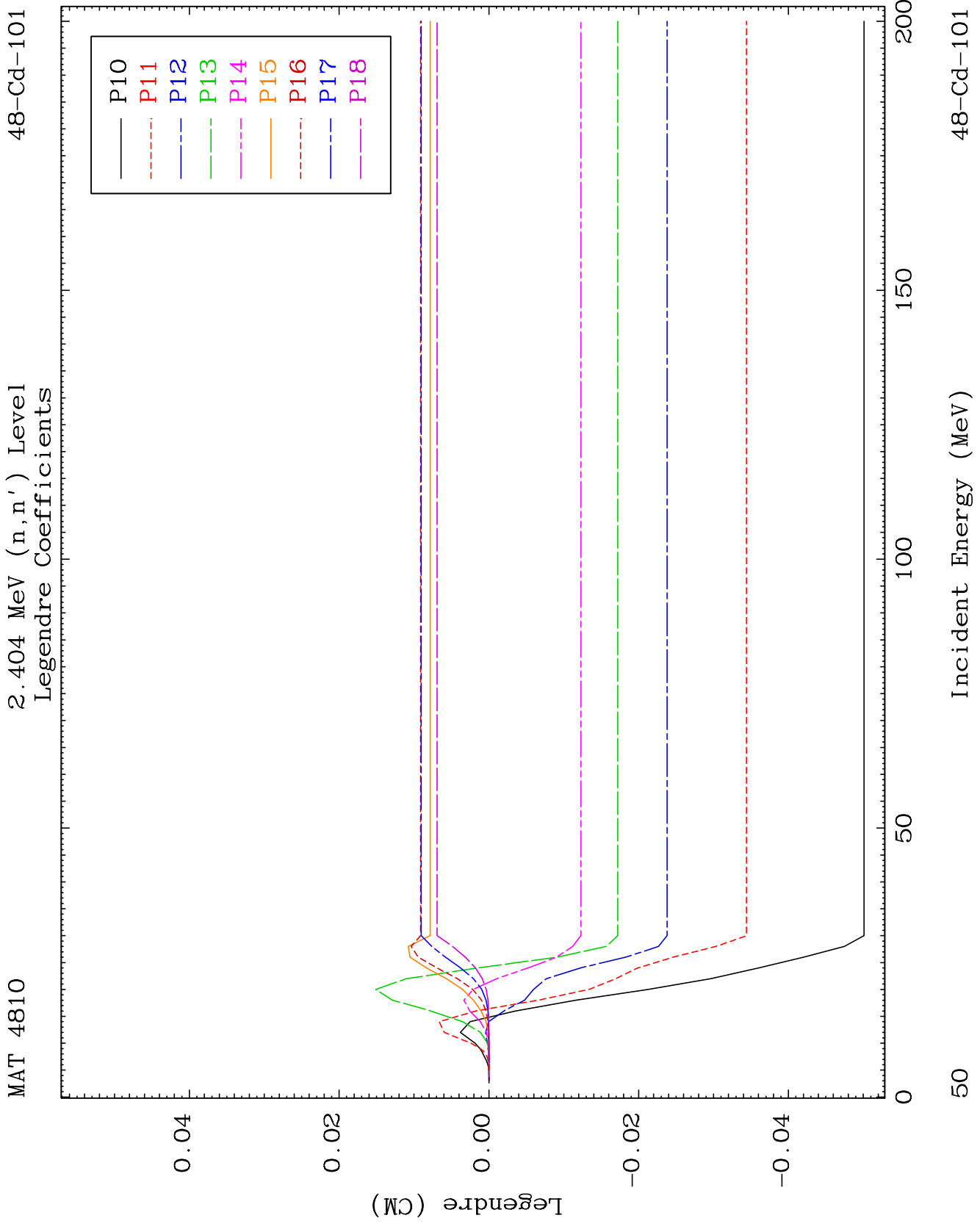
48-Cd-101

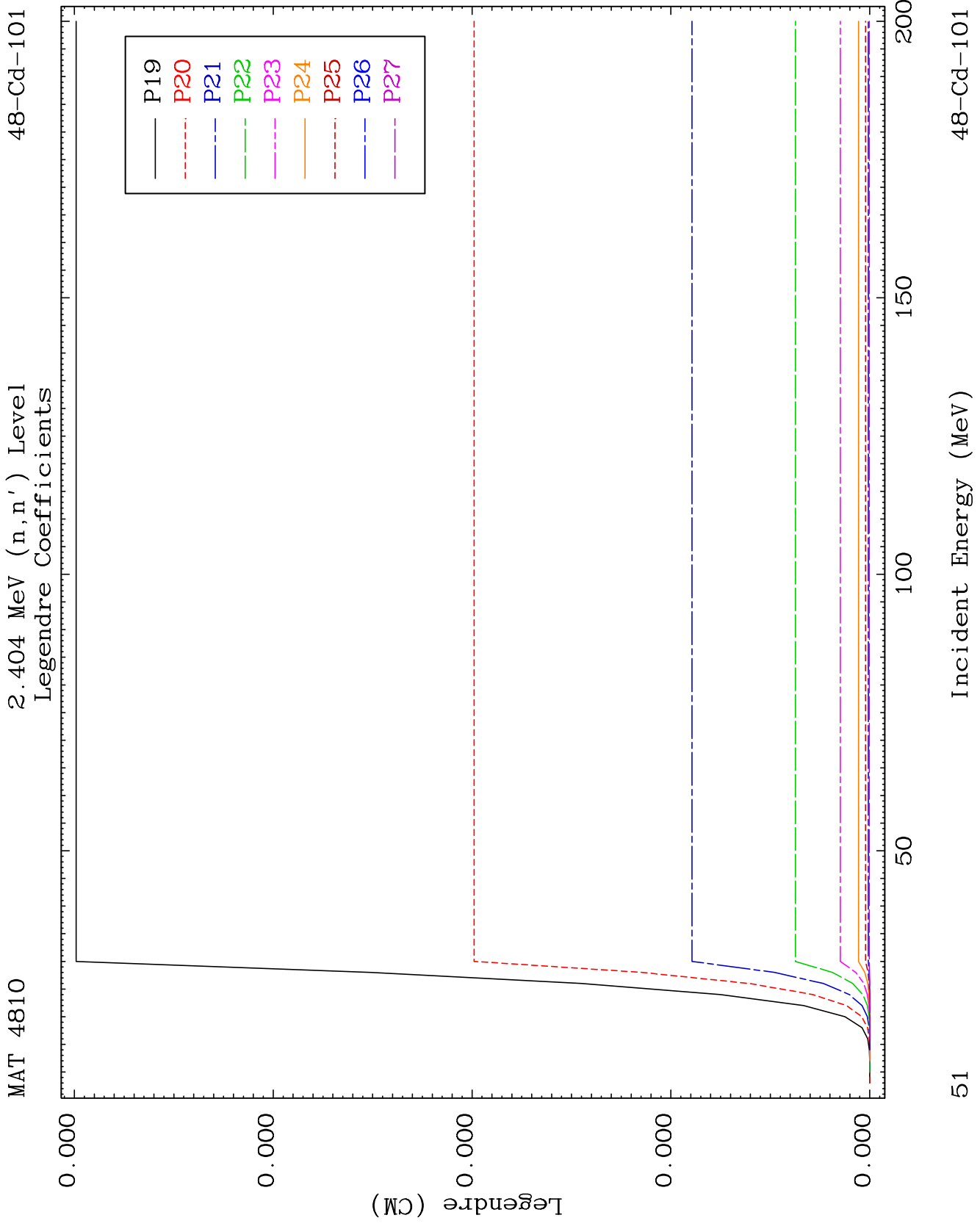


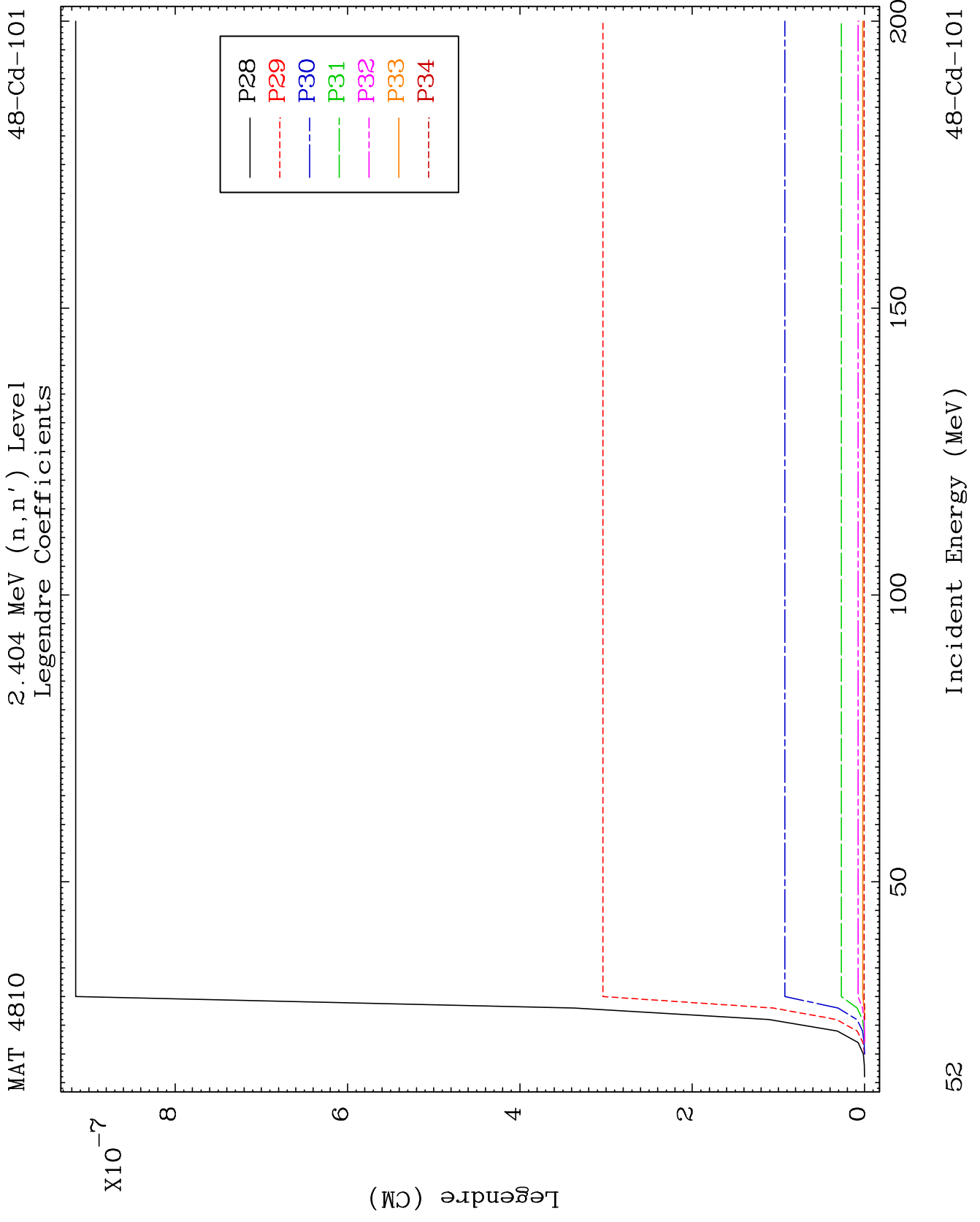


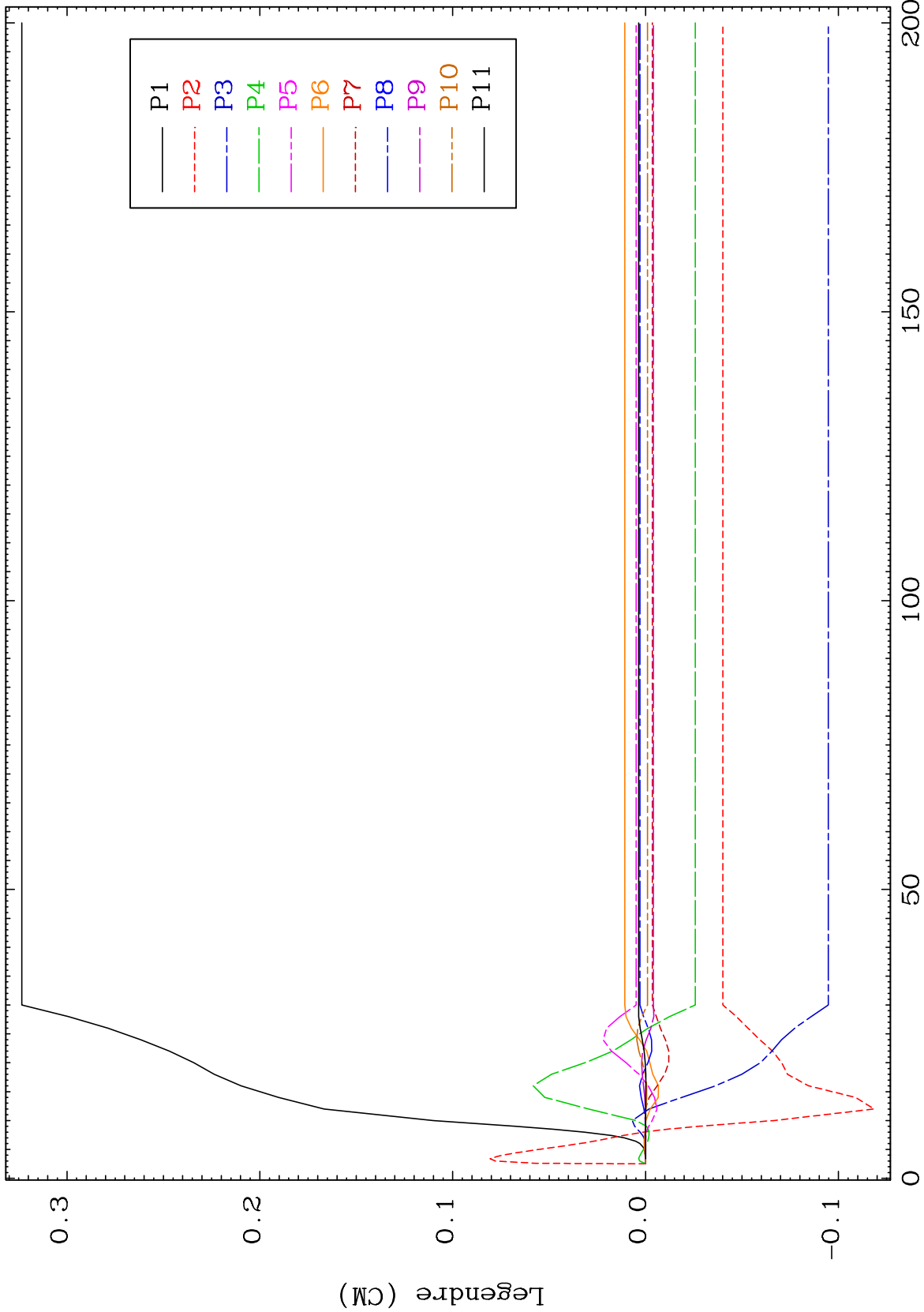








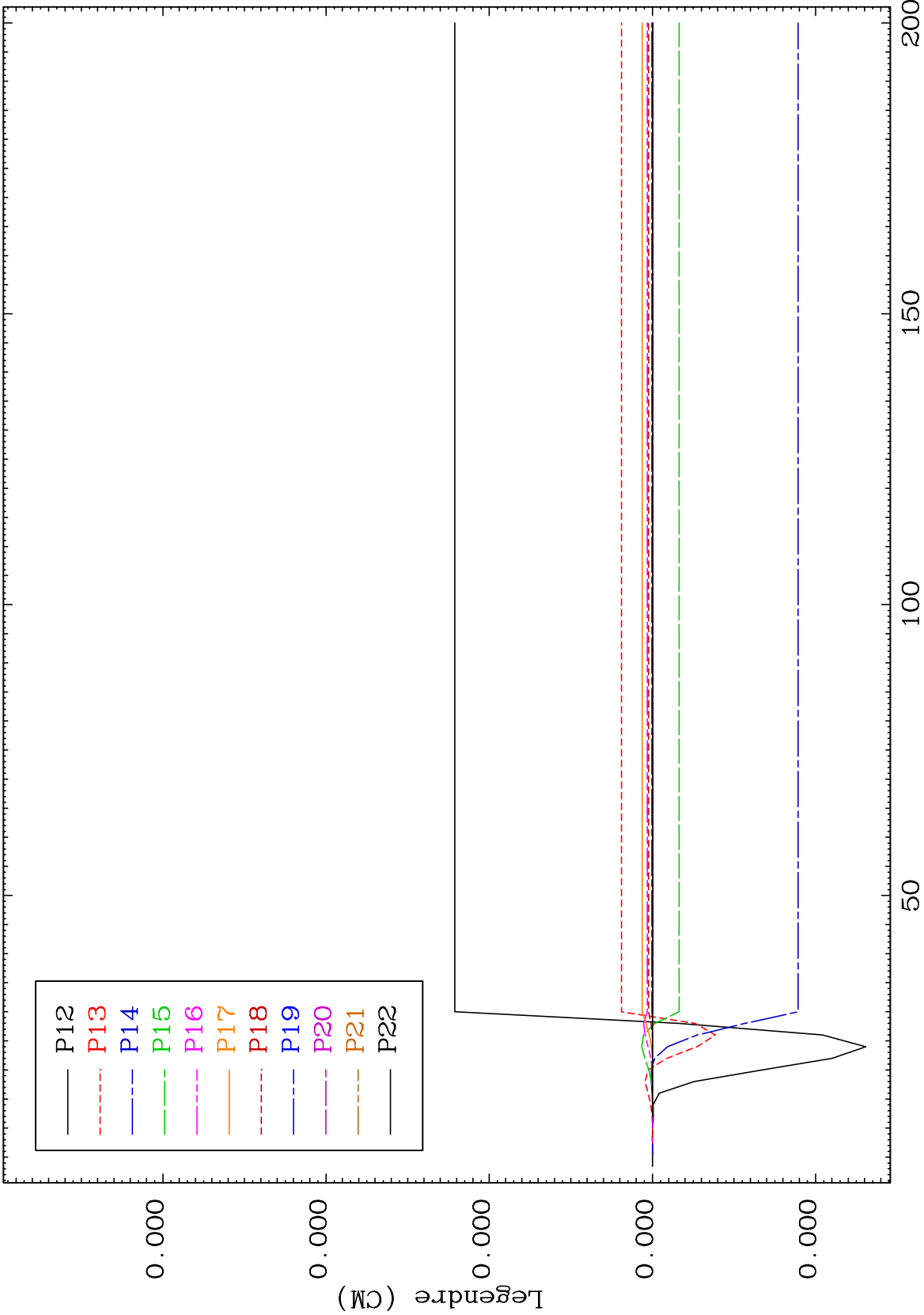


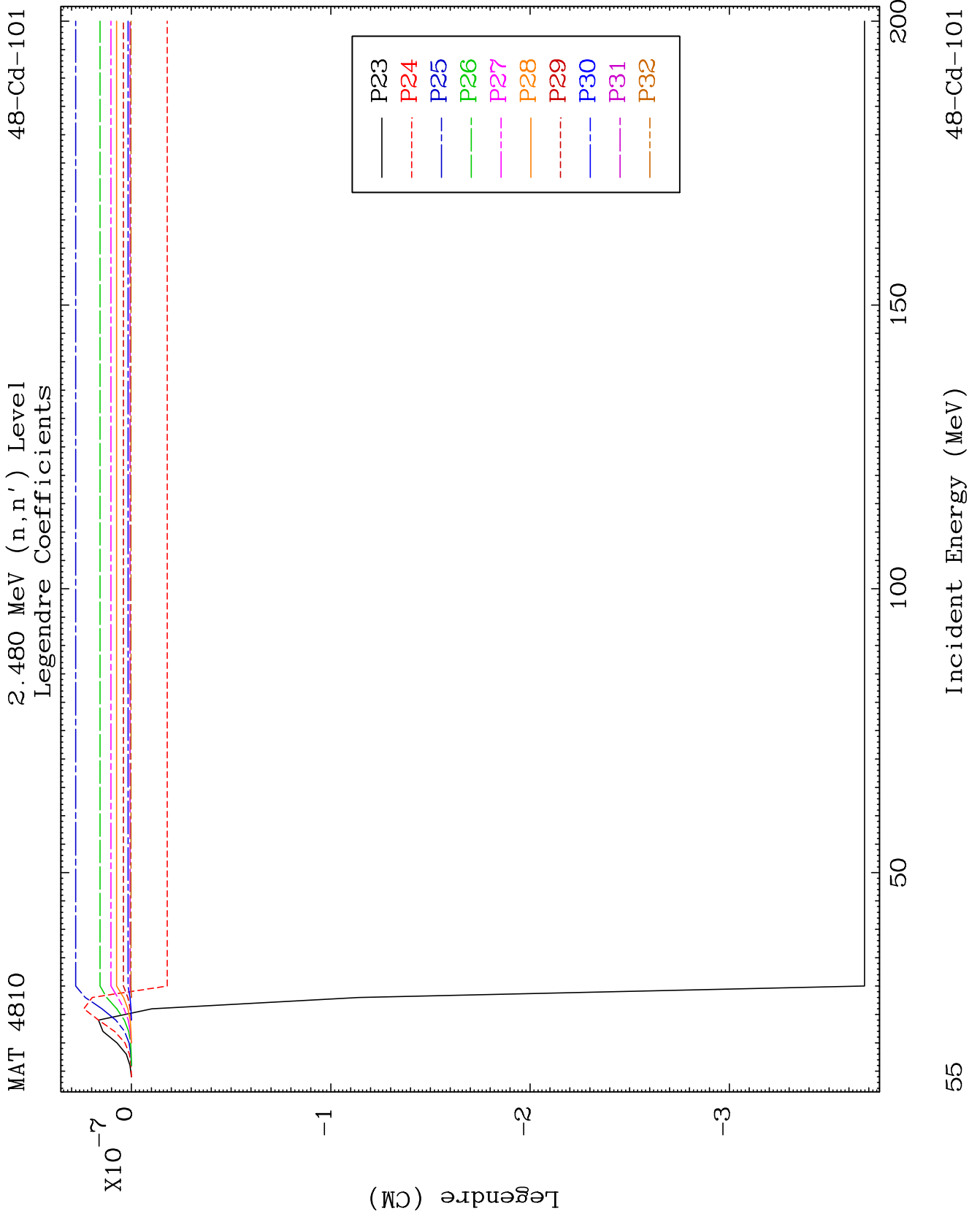


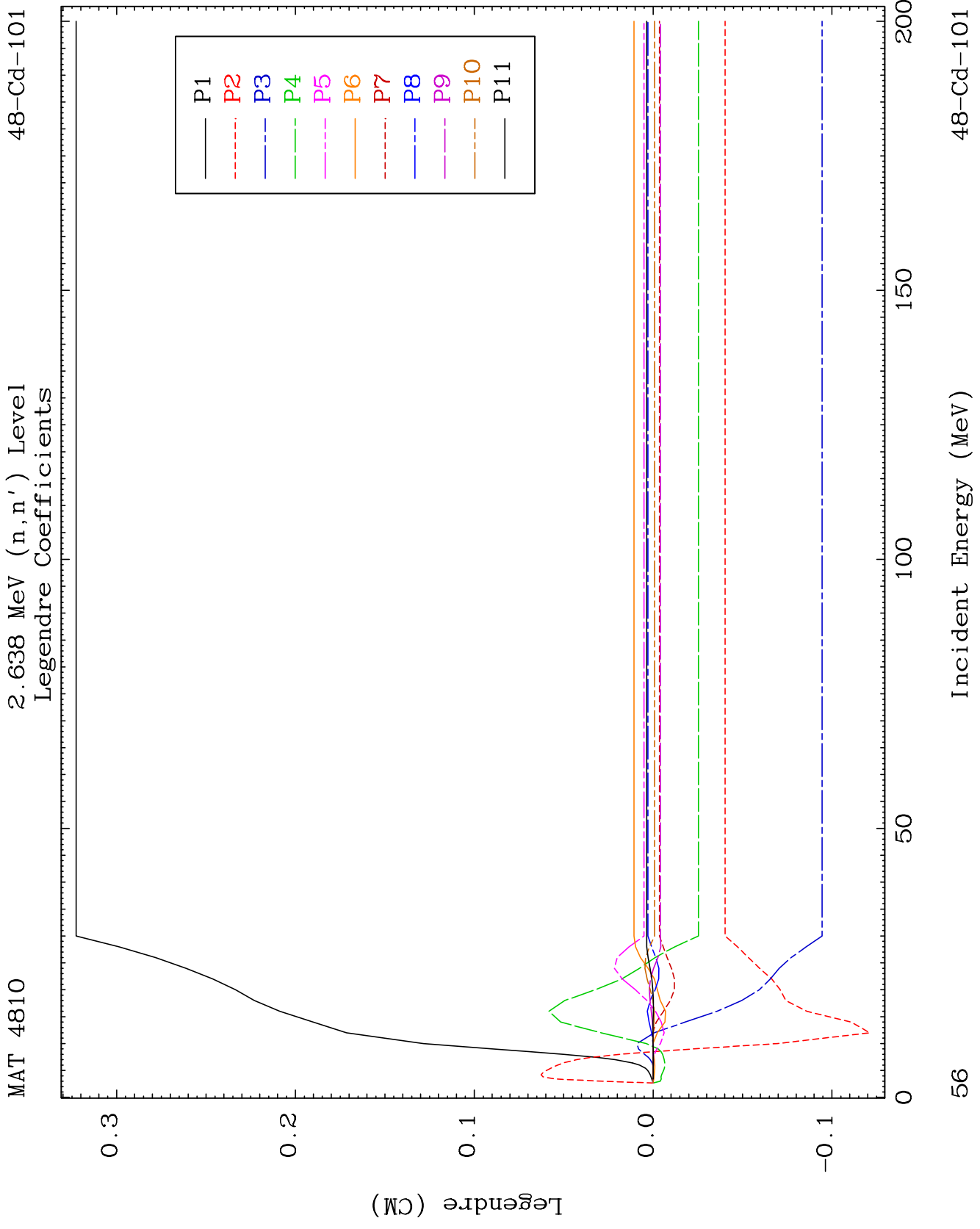
MAT 4810

2.480 MeV (n,n') Level
Legendre Coefficients

48-Cd-101



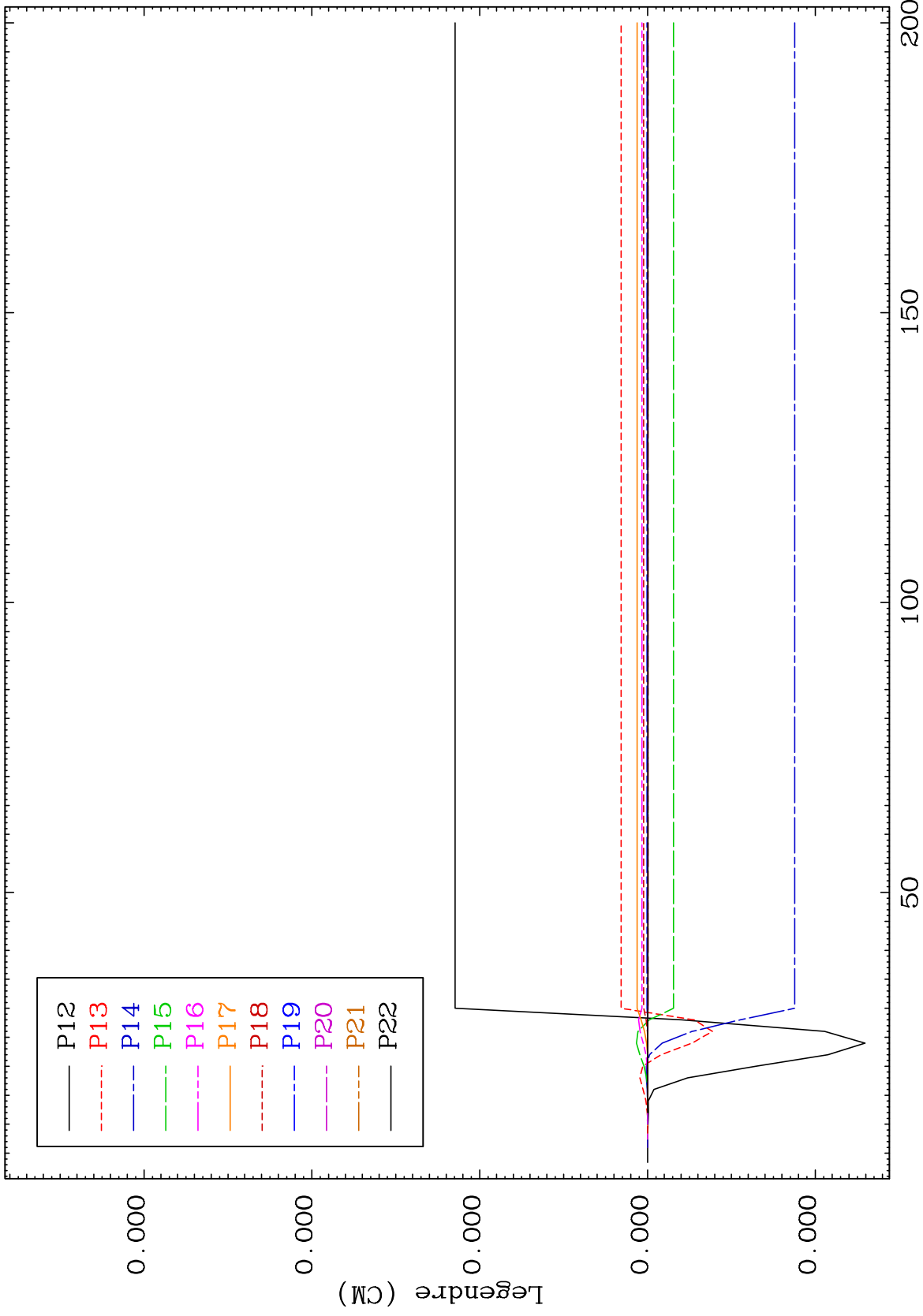




MAT 4810

2.638 MeV (n,n') Level
Legendre Coefficients

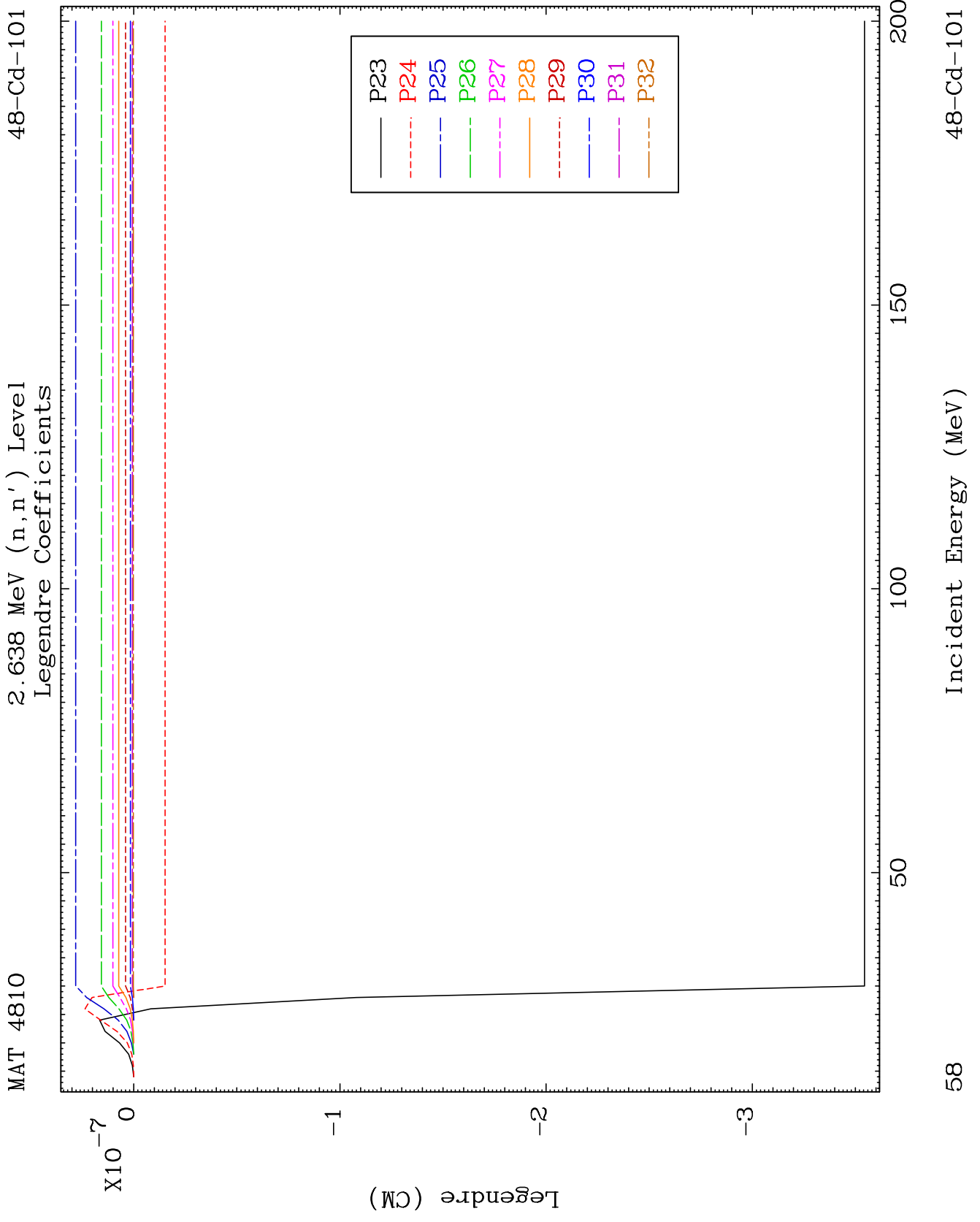
48-Cd-101

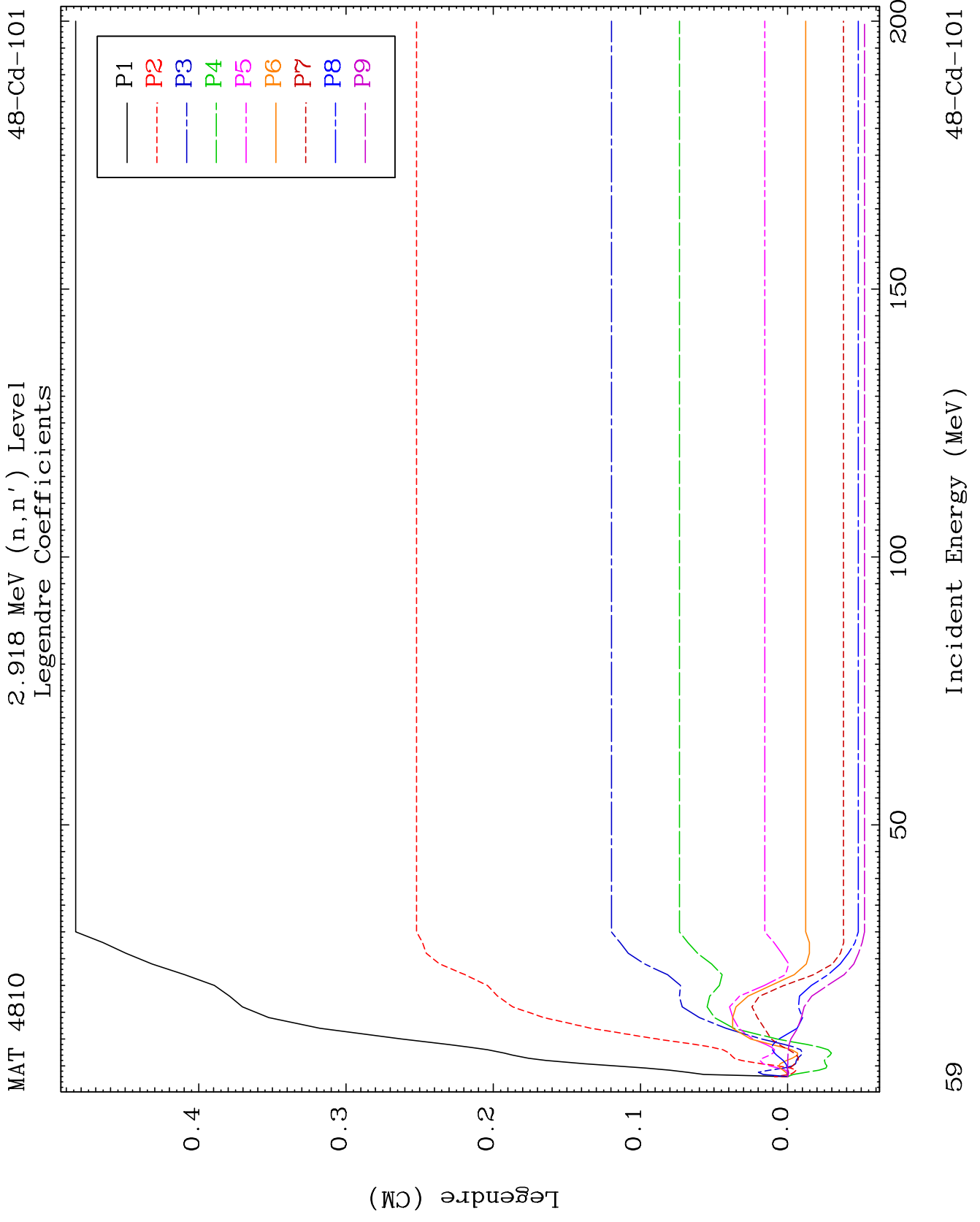


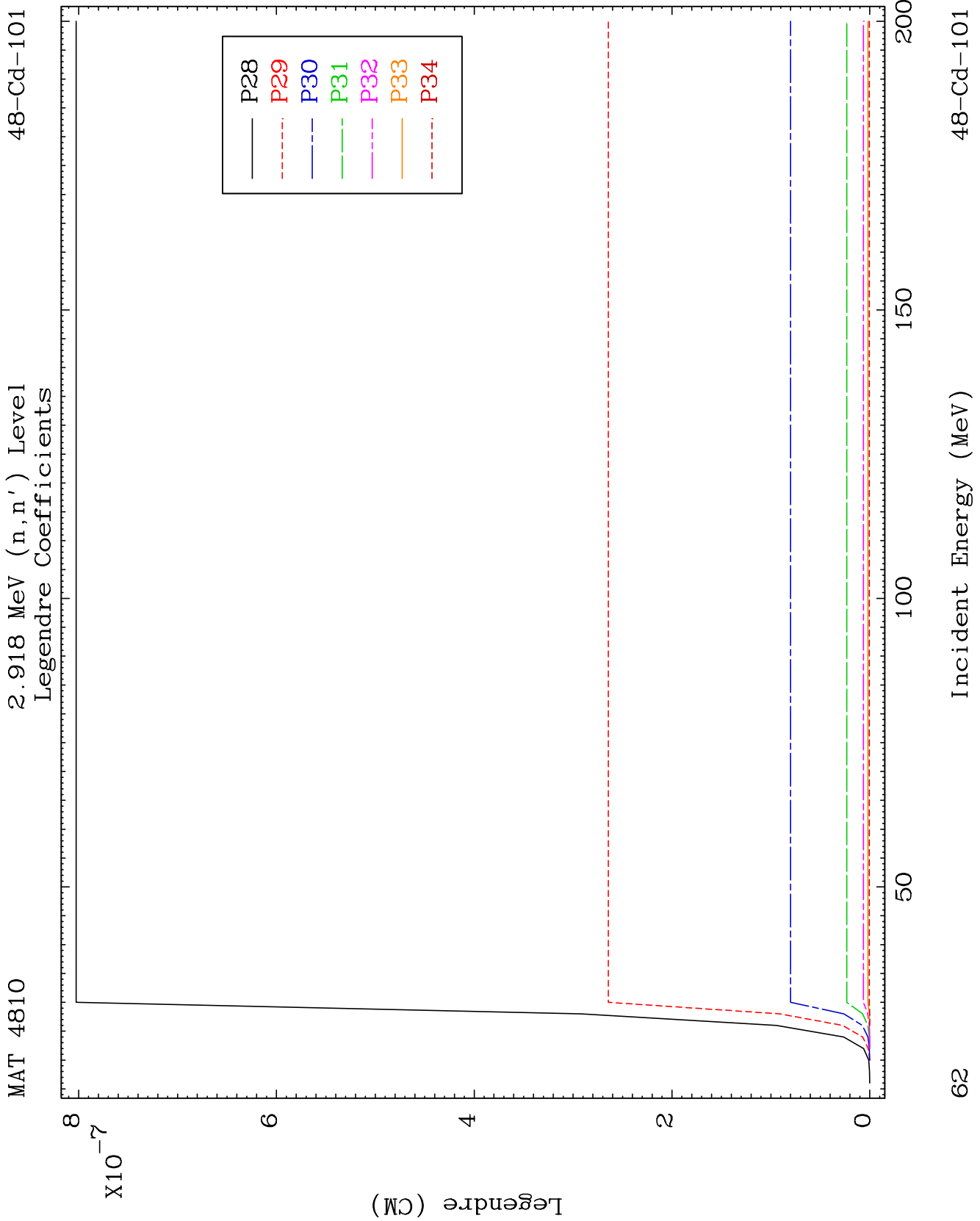
57

Incident Energy (MeV)

48-Cd-101





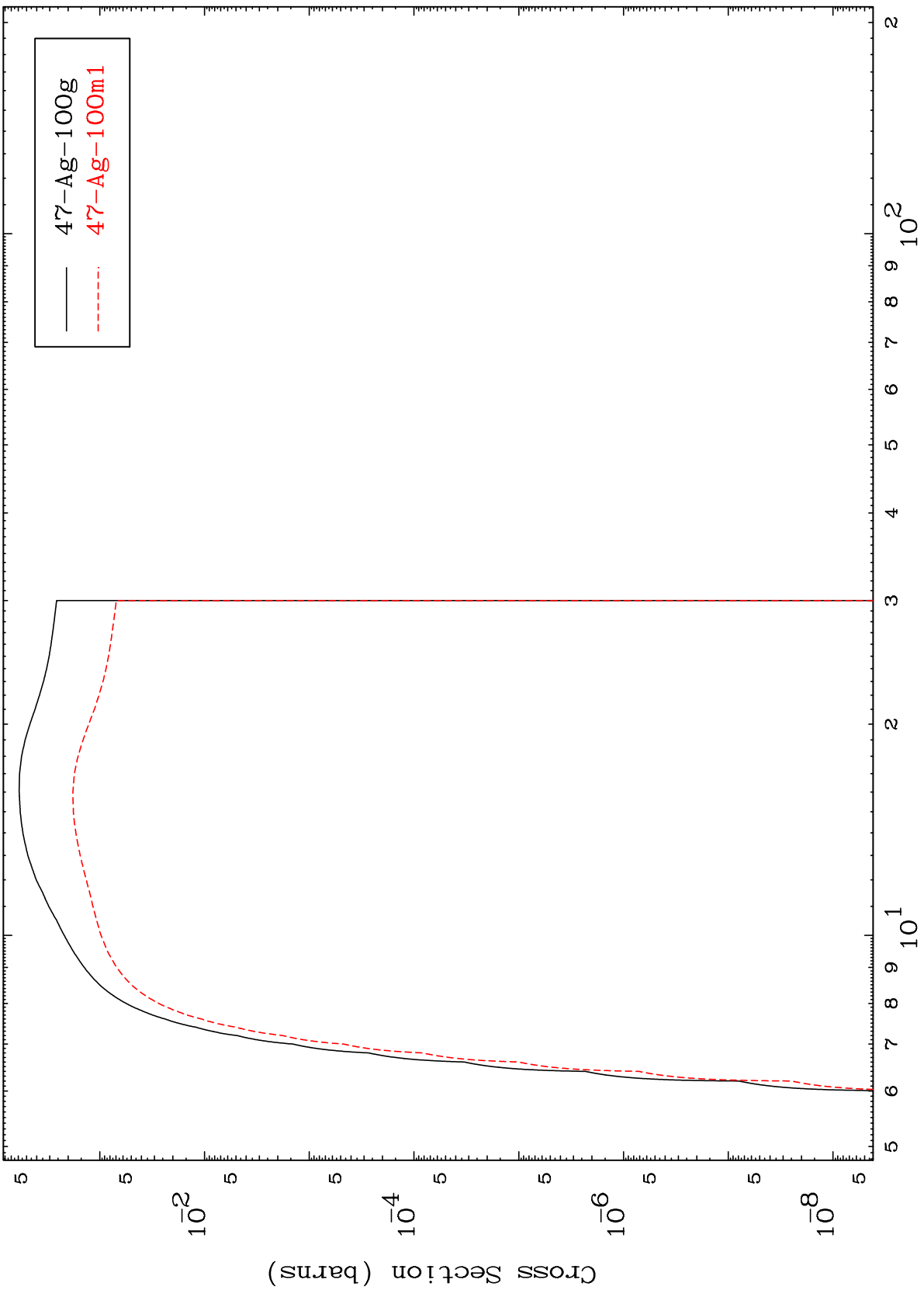


MAT 4810

(n,n') p

48-Cd-101

Radionuclide Production Cross Section



63

Incident Energy (MeV)

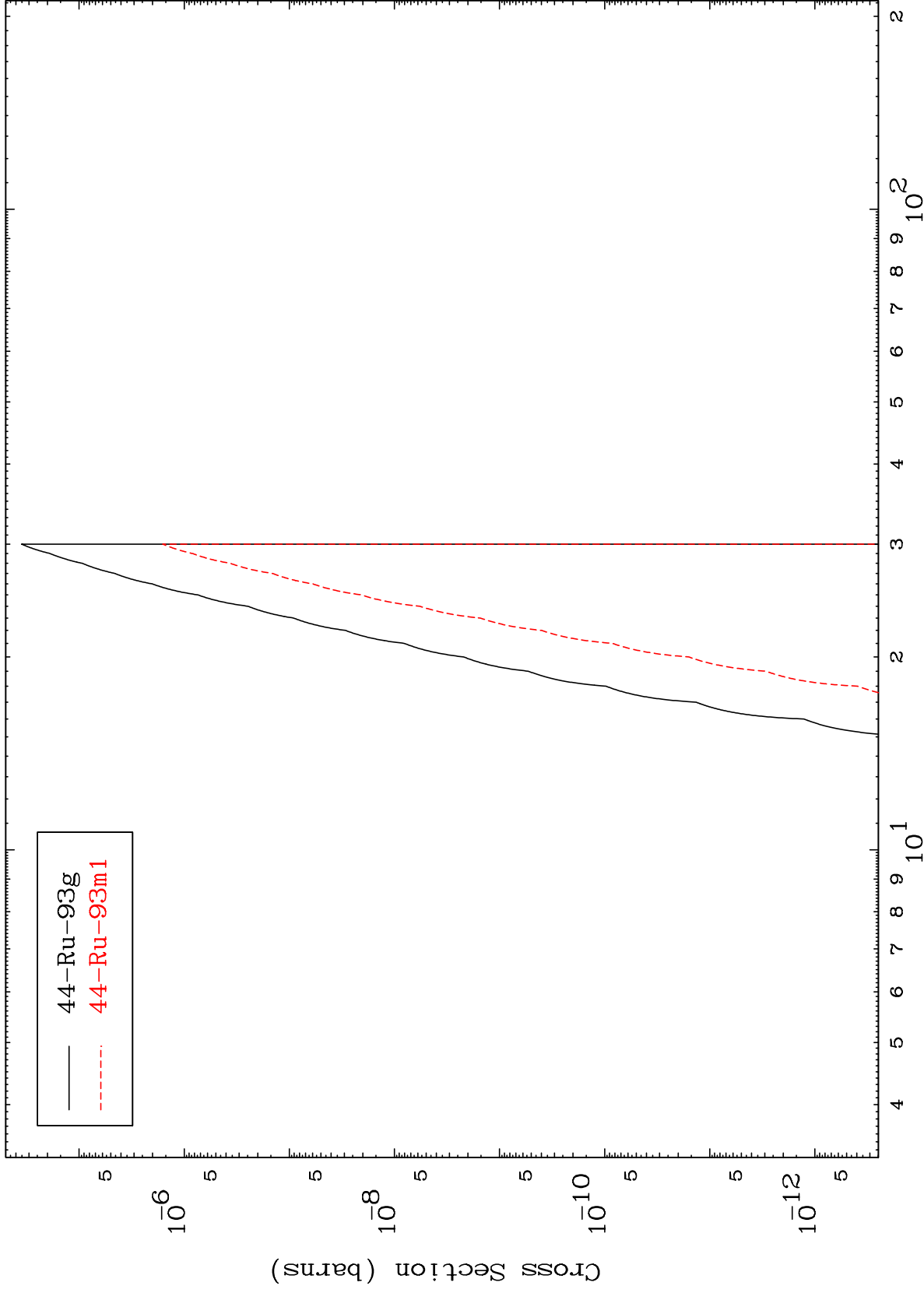
48-Cd-101

MAT 4810

(n,n') 2α

48-Cd-101

Radionuclide Production Cross Section



44-Ru-93g
44-Ru-93m1

64

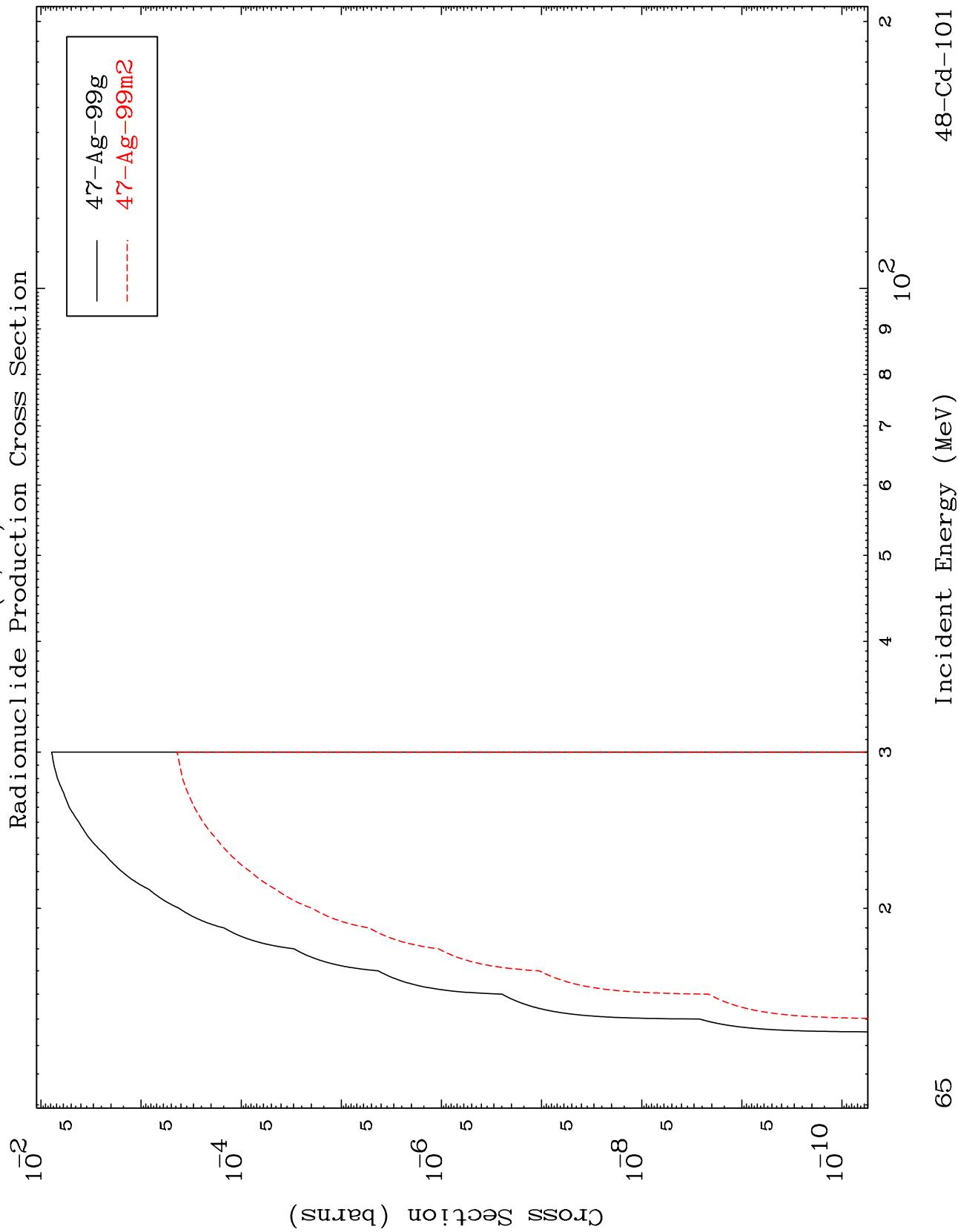
Incident Energy (MeV)

48-Cd-101

MAT 4810

(n,n') d

48-Cd-101



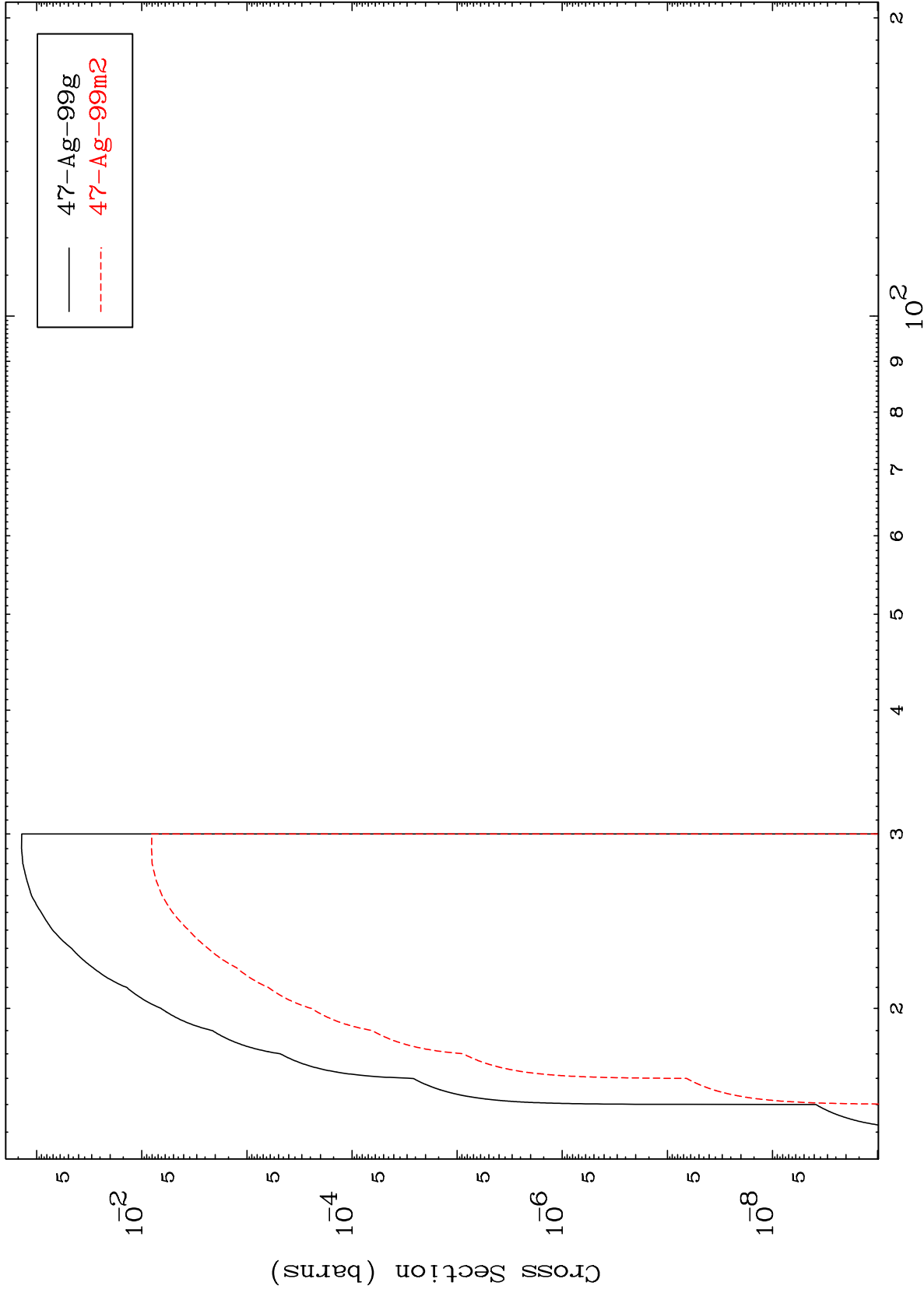
65

48-Cd-101

MAT 4810

48-Cd-101

(n,2n) p
Radionuclide Production Cross Section



66

Incident Energy (MeV)

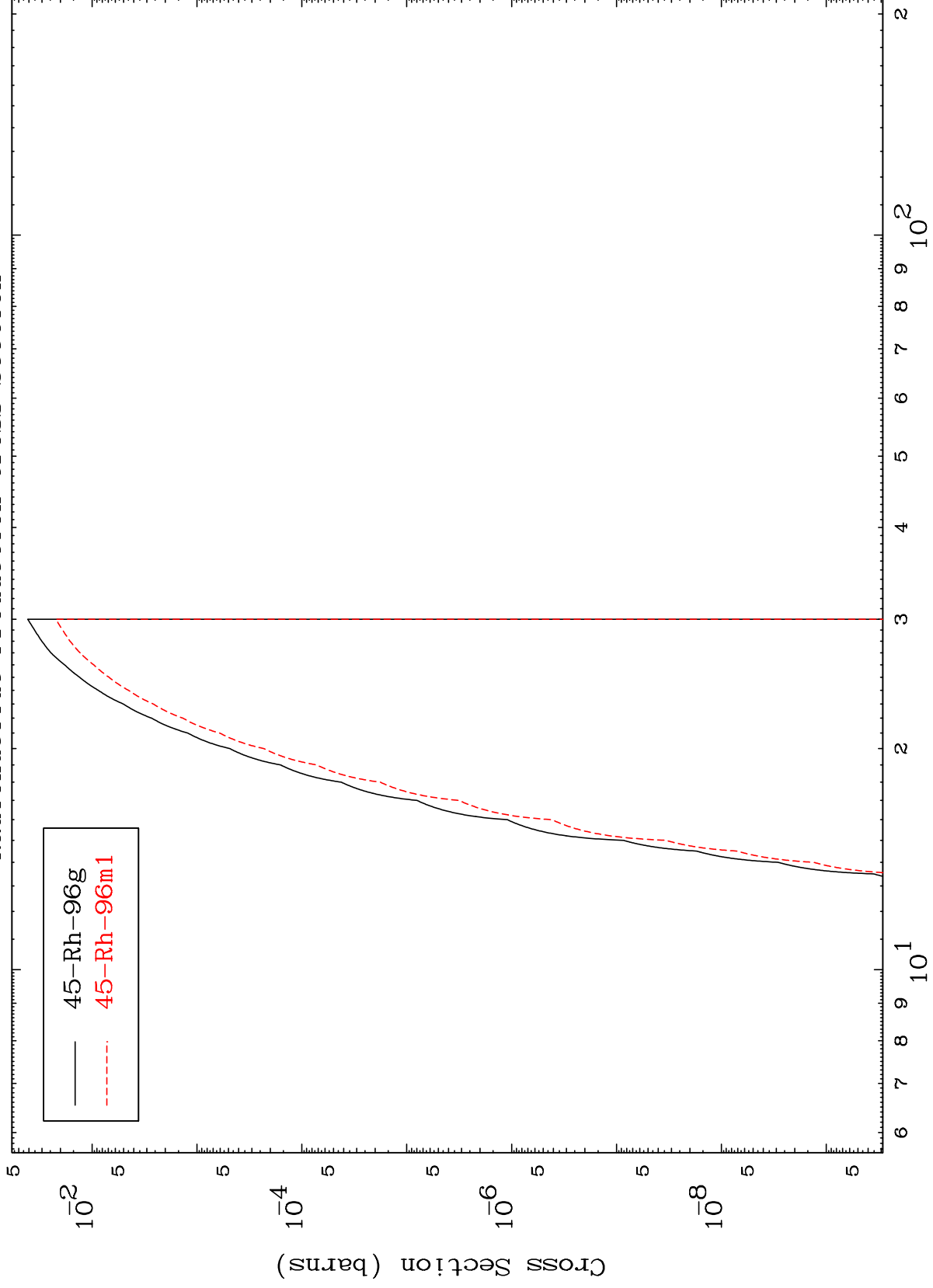
48-Cd-101

MAT 4810

(n,n') p α

48-Cd-101

Radionuclide Production Cross Section



67

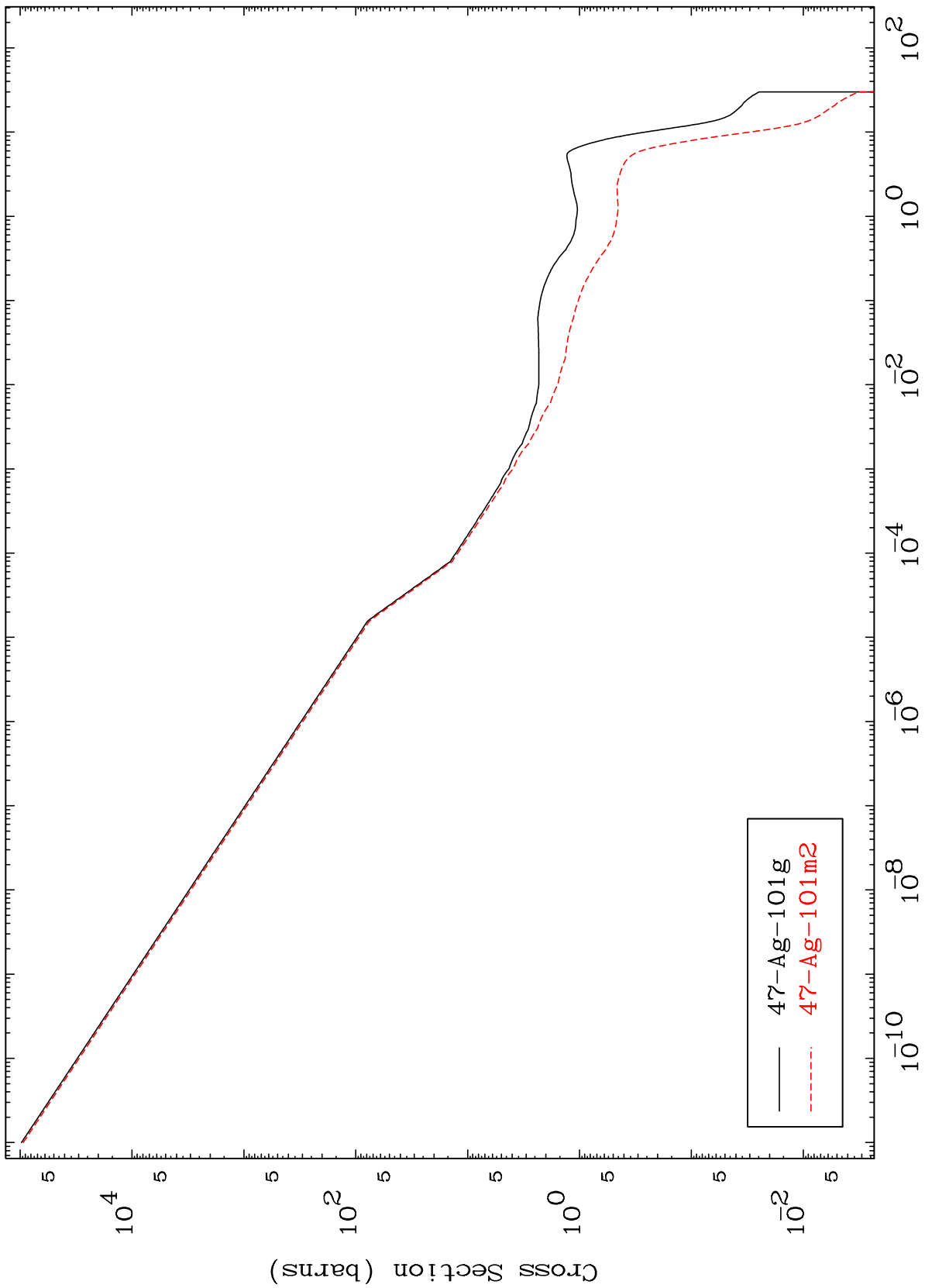
Incident Energy (MeV)

48-Cd-101

MAT 4810

48-Cd-101

(n,p)
Radionuclide Production Cross Section



68

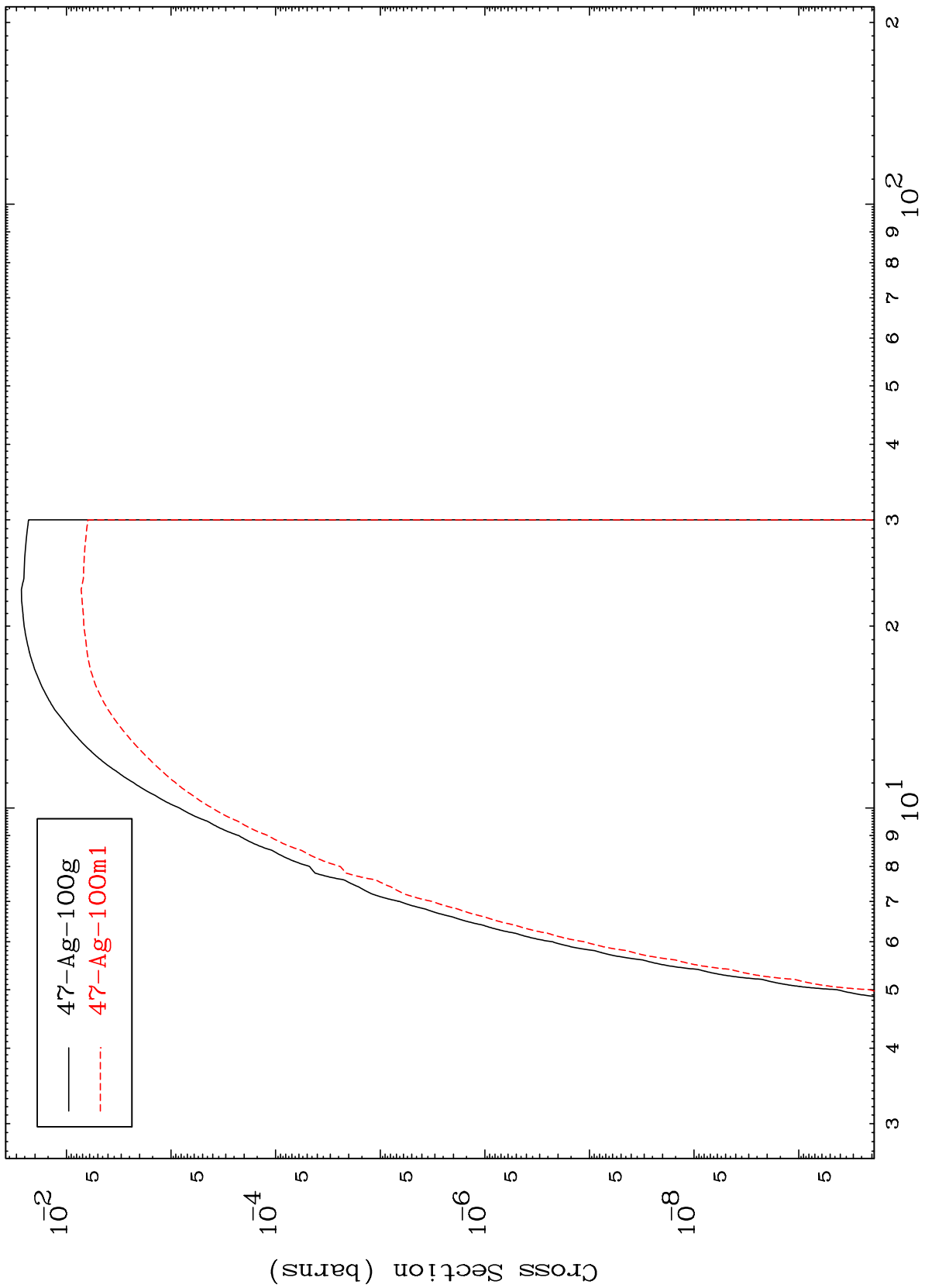
48-Cd-101

Incident Energy (MeV)

MAT 4810

48-Cd-101

(n,d)
Radionuclide Production Cross Section



69

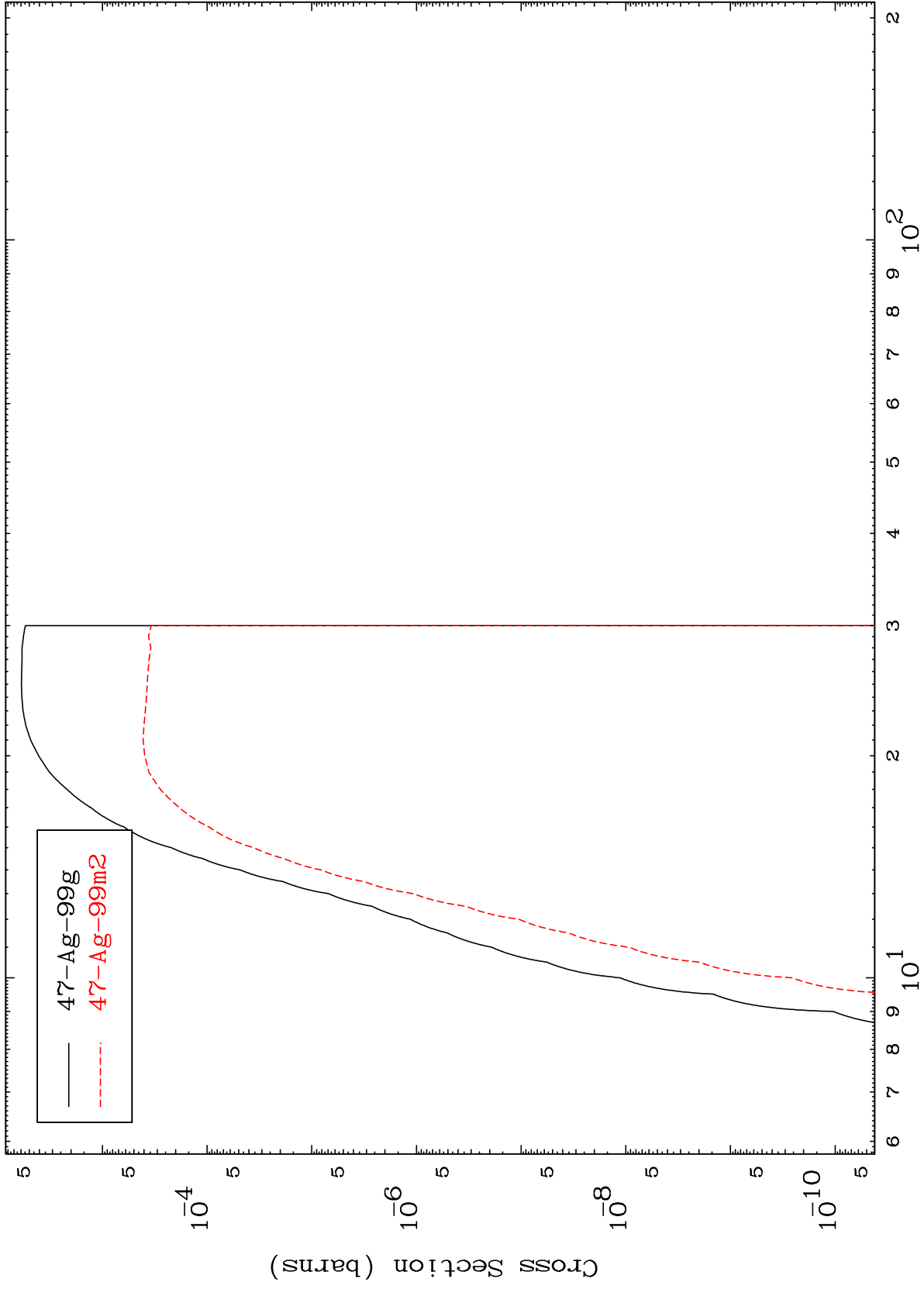
Incident Energy (MeV)

48-Cd-101

MAT 4810

48-Cd-101

(n,t)
Radionuclide Production Cross Section



70

Incident Energy (MeV)

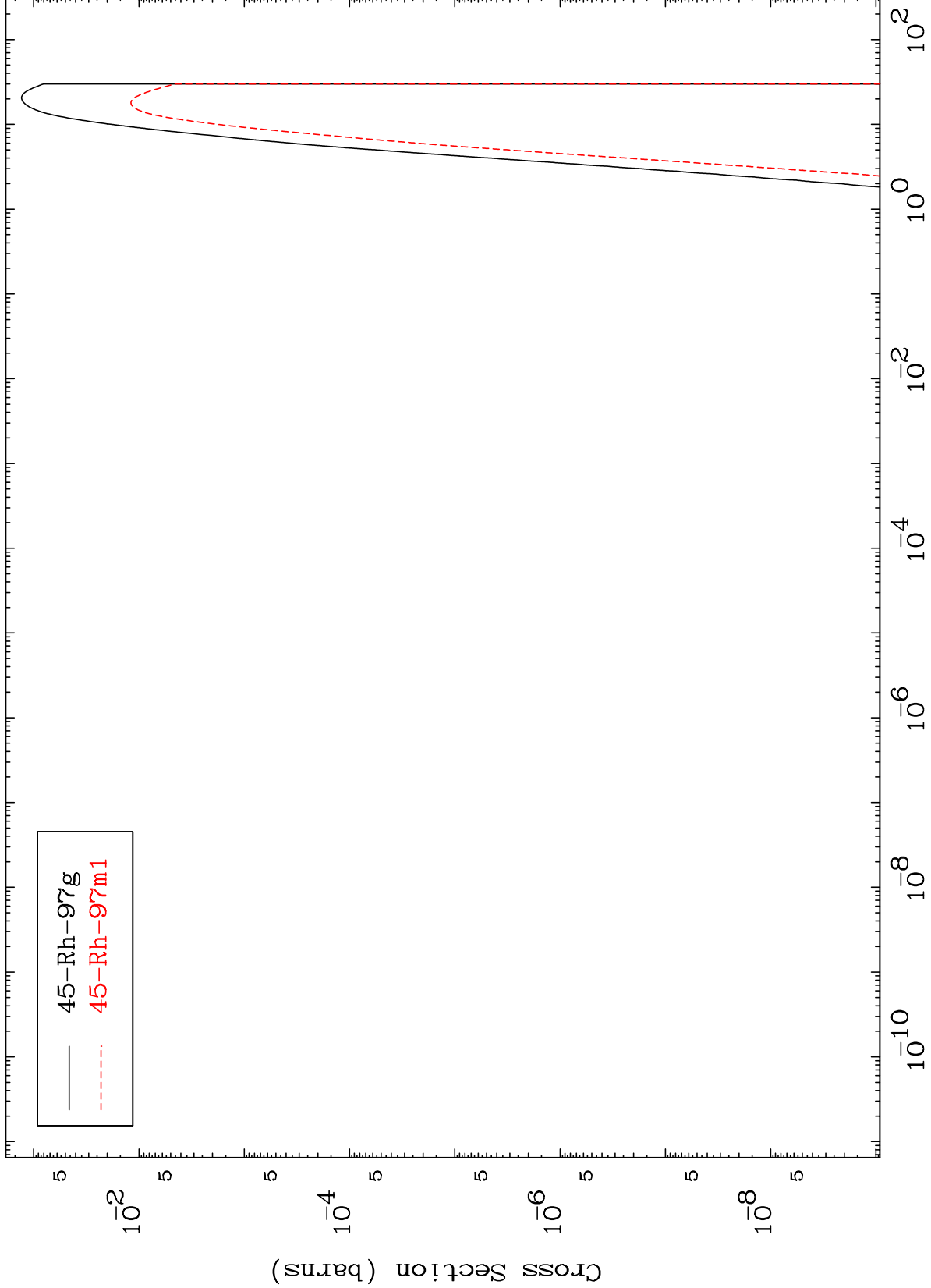
48-Cd-101

MAT 4810

(n,p) α

48-Cd-101

Radionuclide Production Cross Section

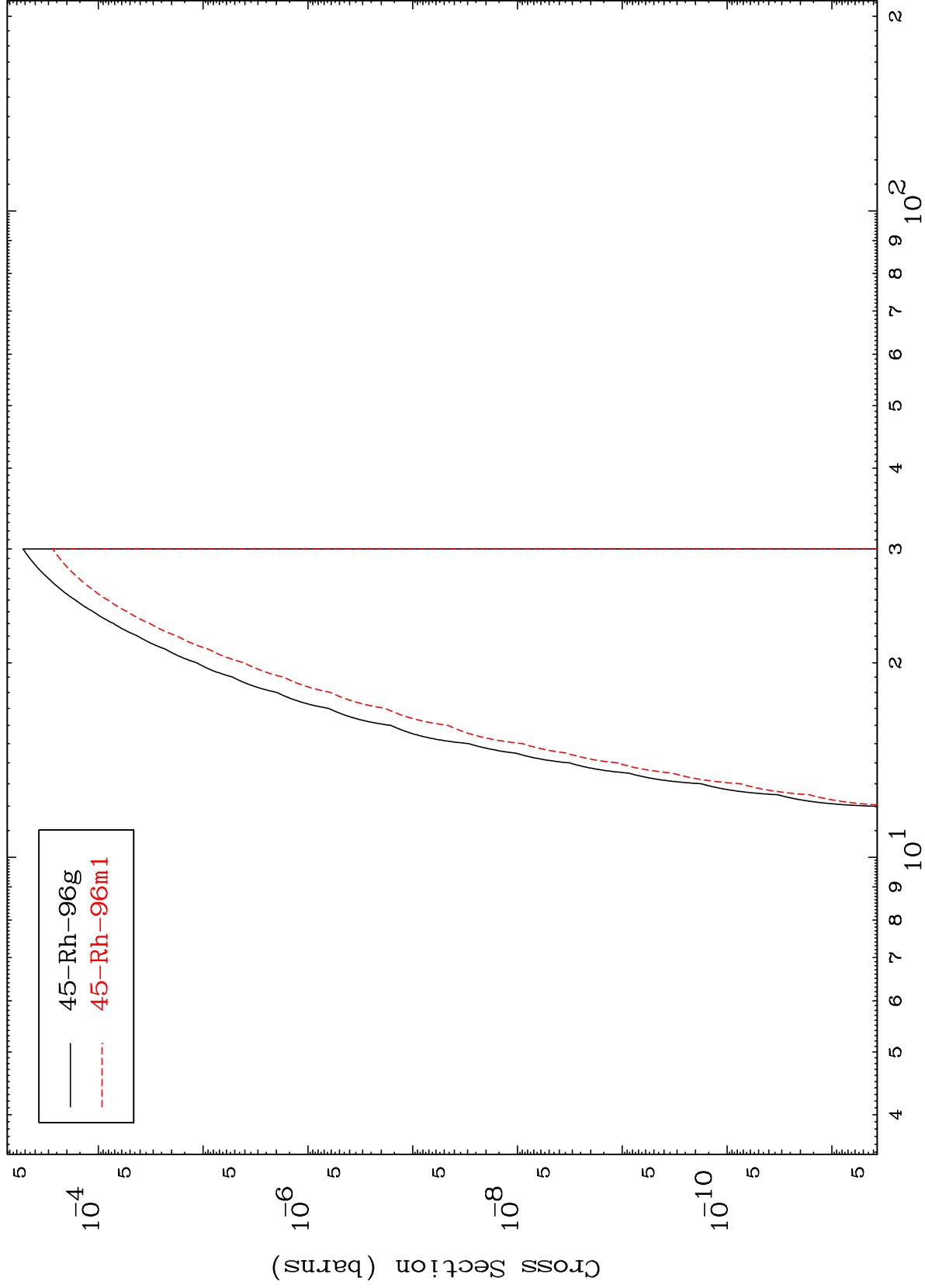


MAT 4810

(n,d) α

48-Cd-101

Radionuclide Production Cross Section



72

Incident Energy (MeV)

48-Cd-101