

Program EVALPLOT
(Version 2015-2)

by

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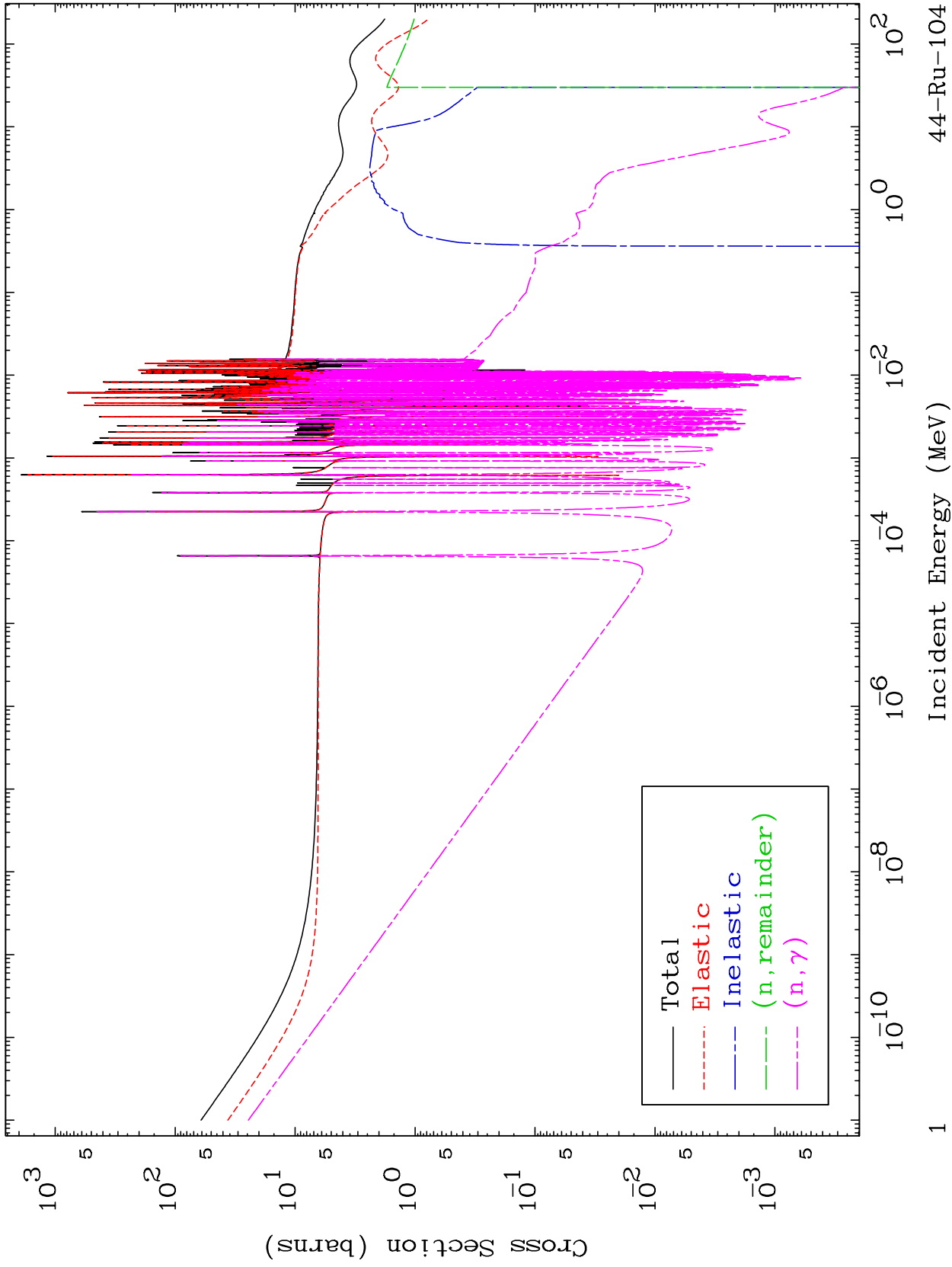
Press Mouse Button to Start

MAT 4449

Major

44-Ru-104

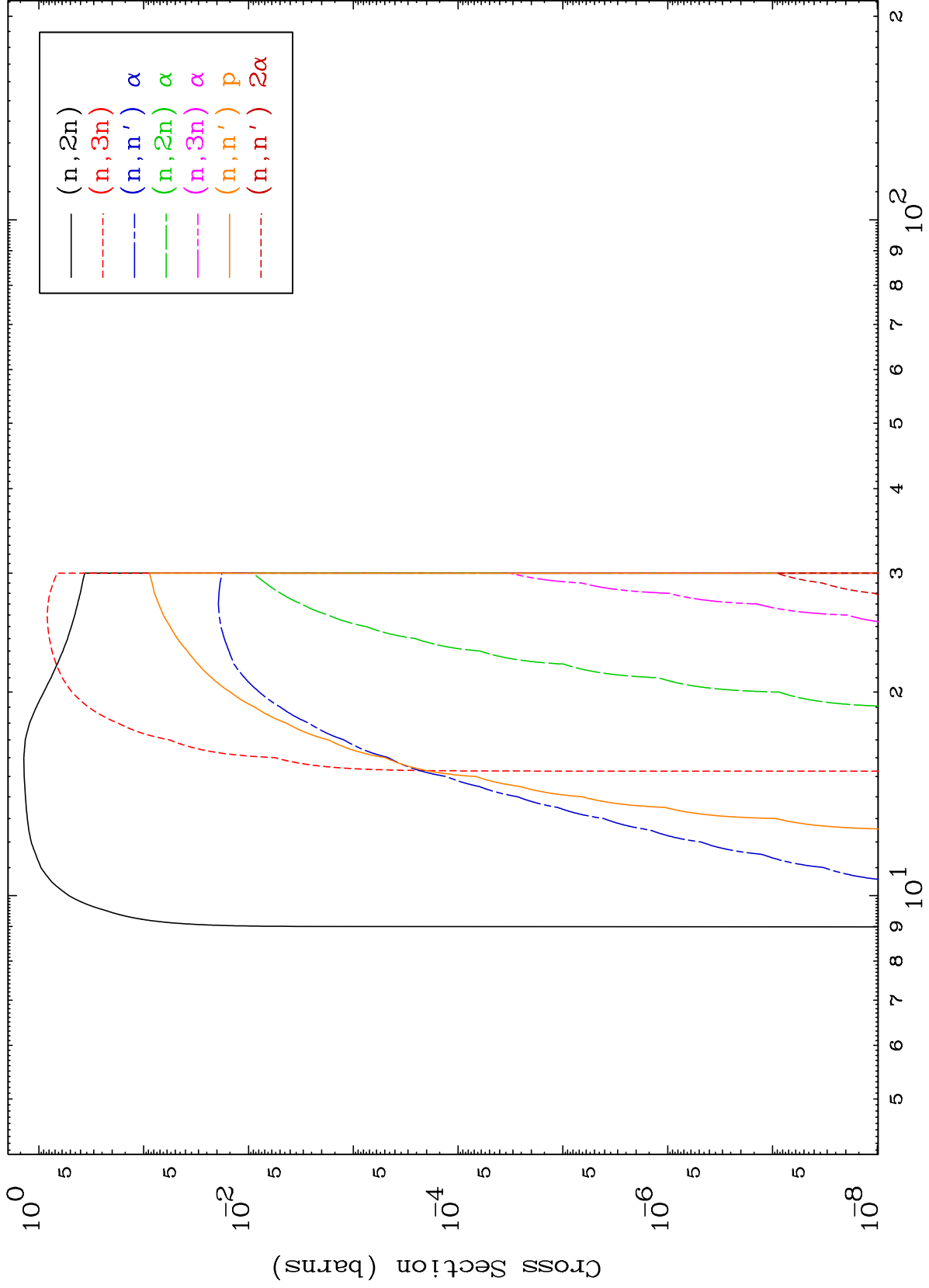
293 Kelvin Cross Sections



MAT 4449

Neutron Production
293 Kelvin Cross Sections

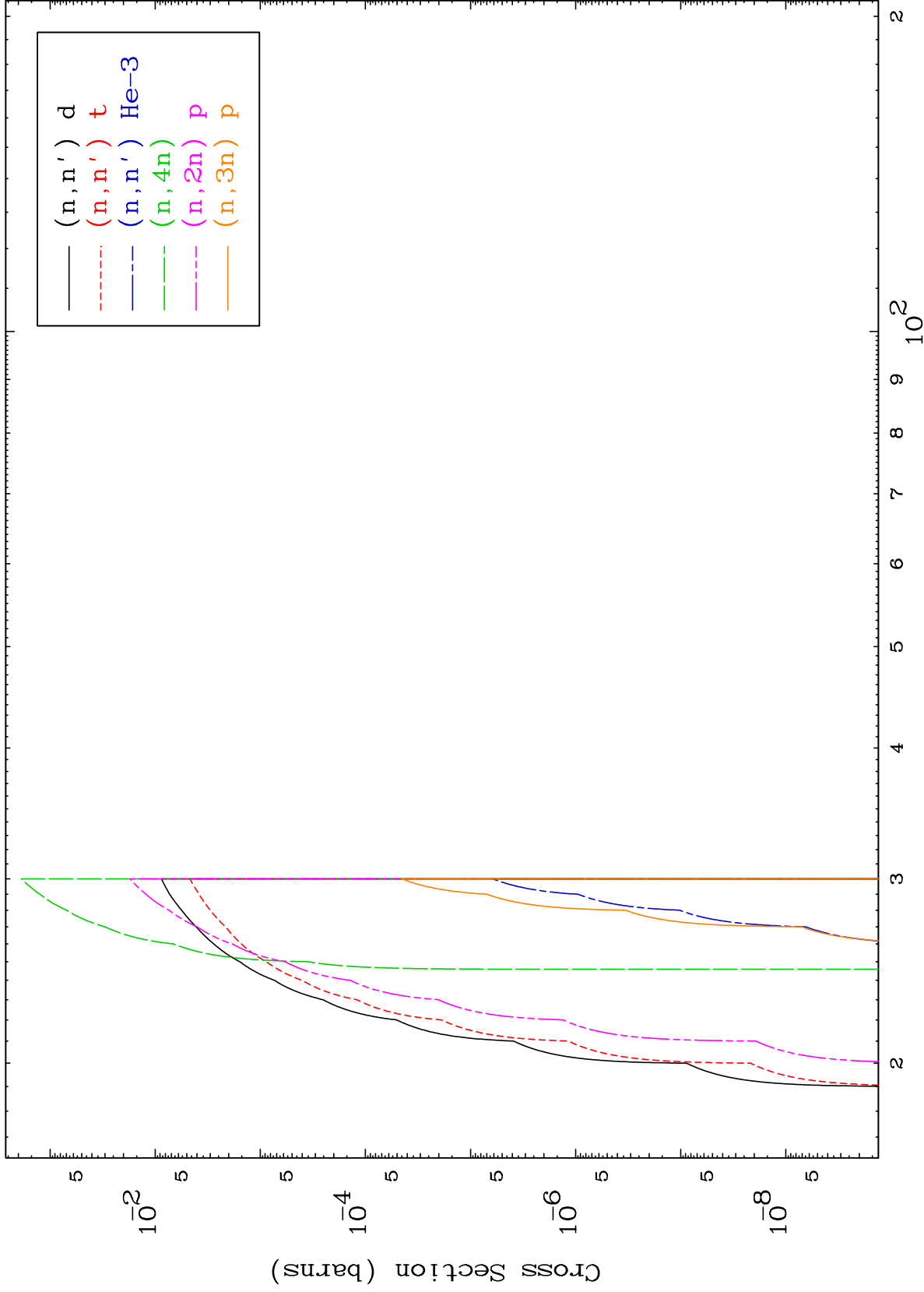
44-Ru-104

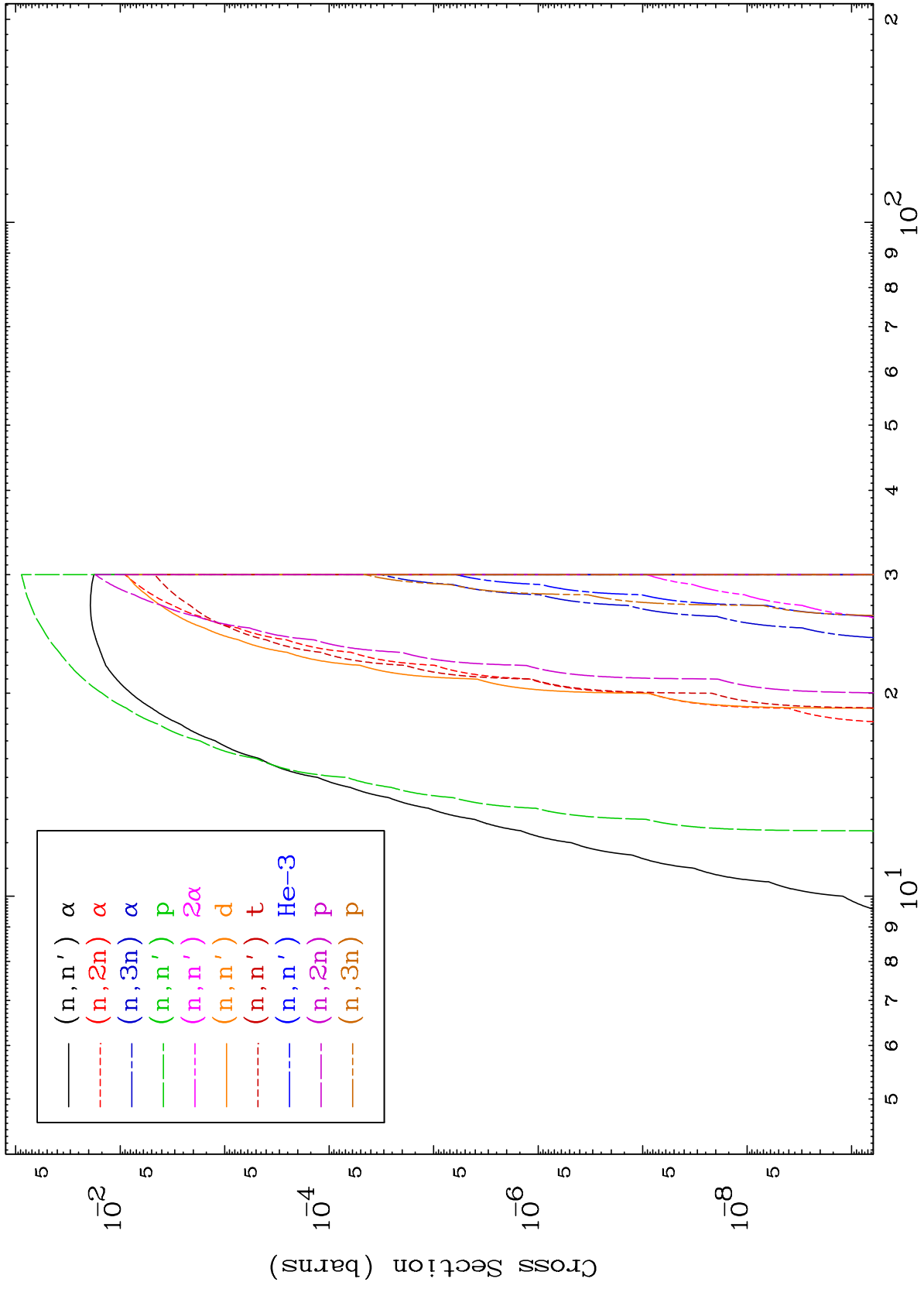


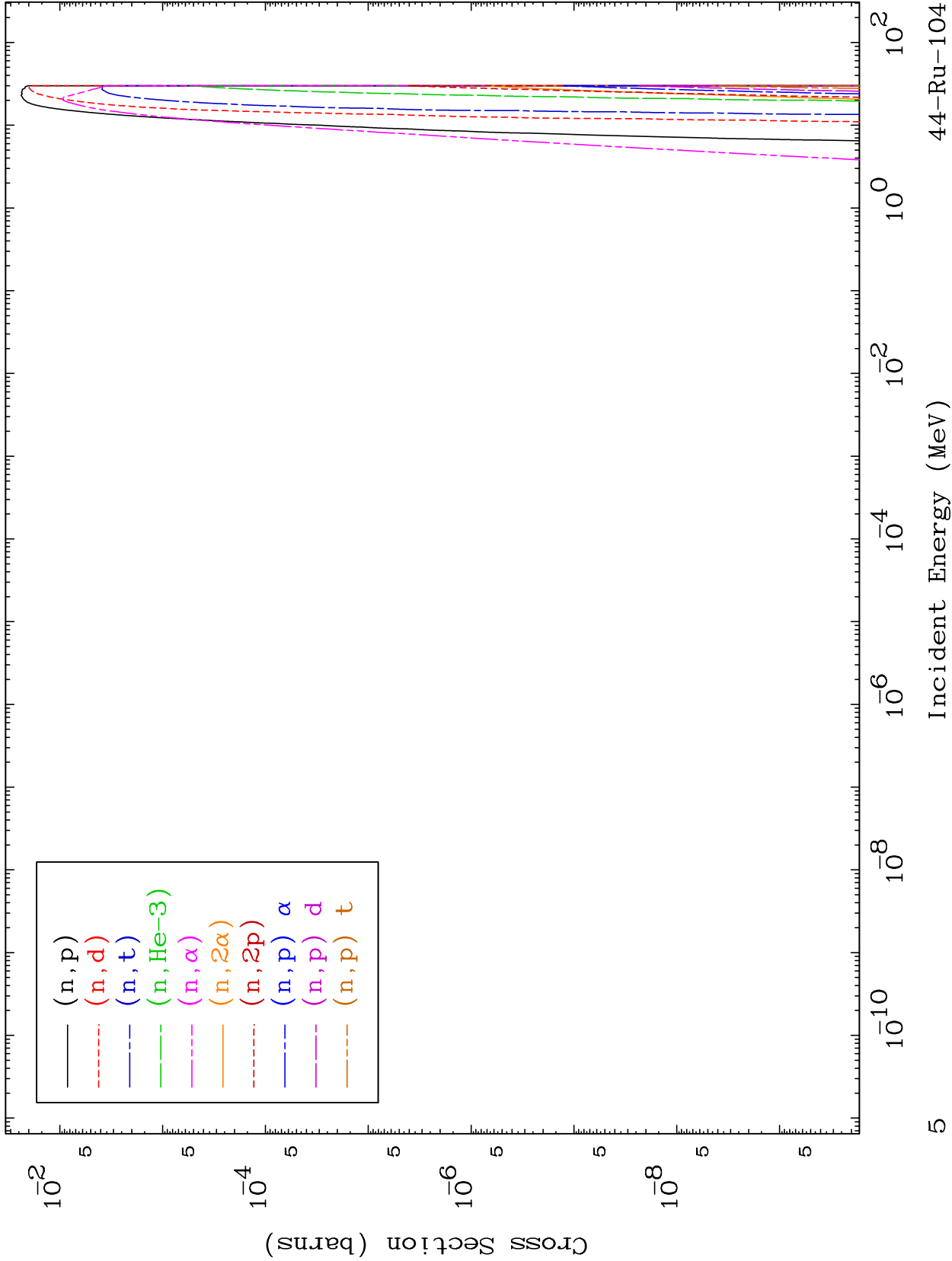
2

Incident Energy (MeV)

44-Ru-104



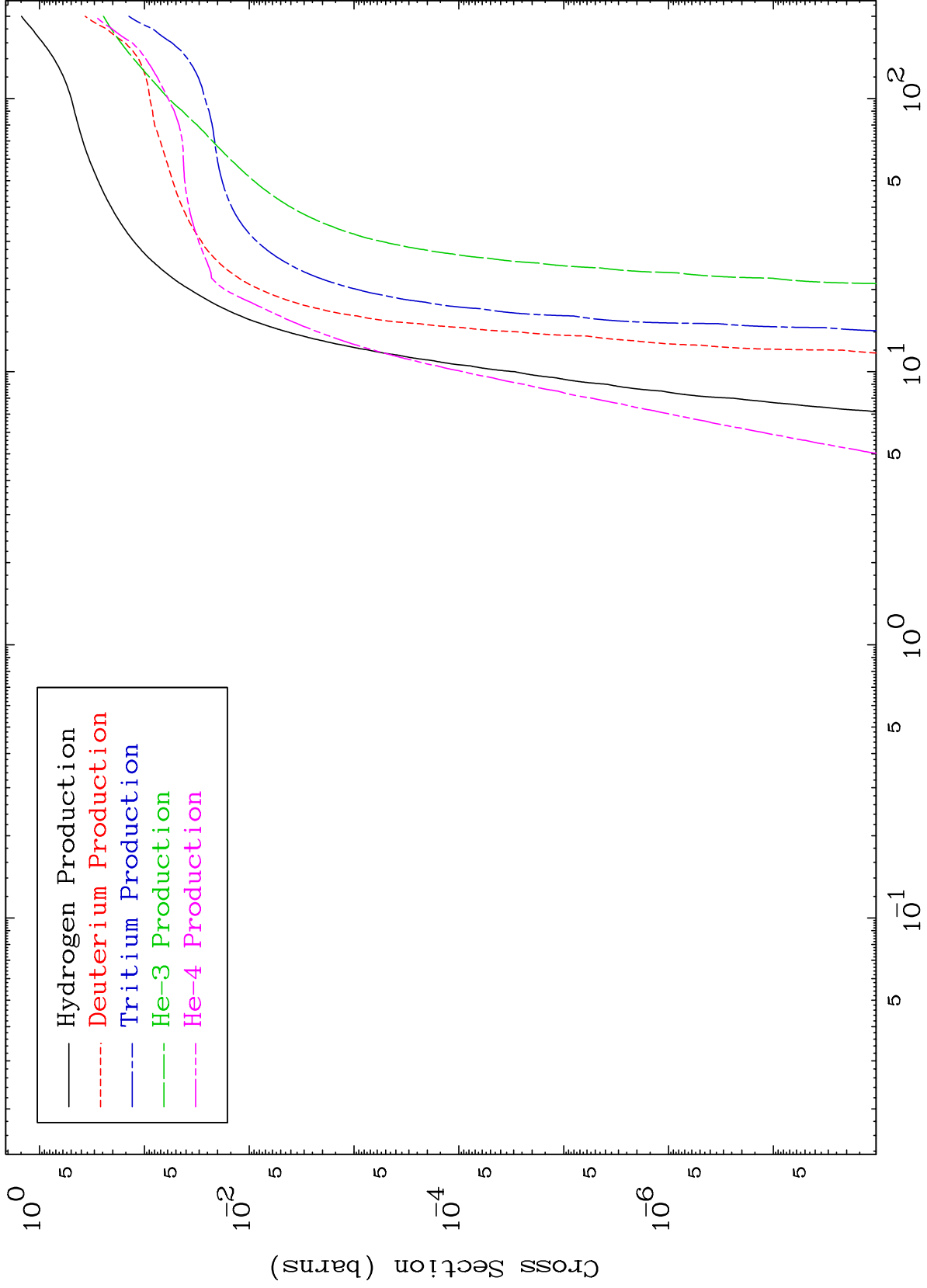




MAT 4449

Particle Production
293 Kelvin Cross Sections

44-Ru-104

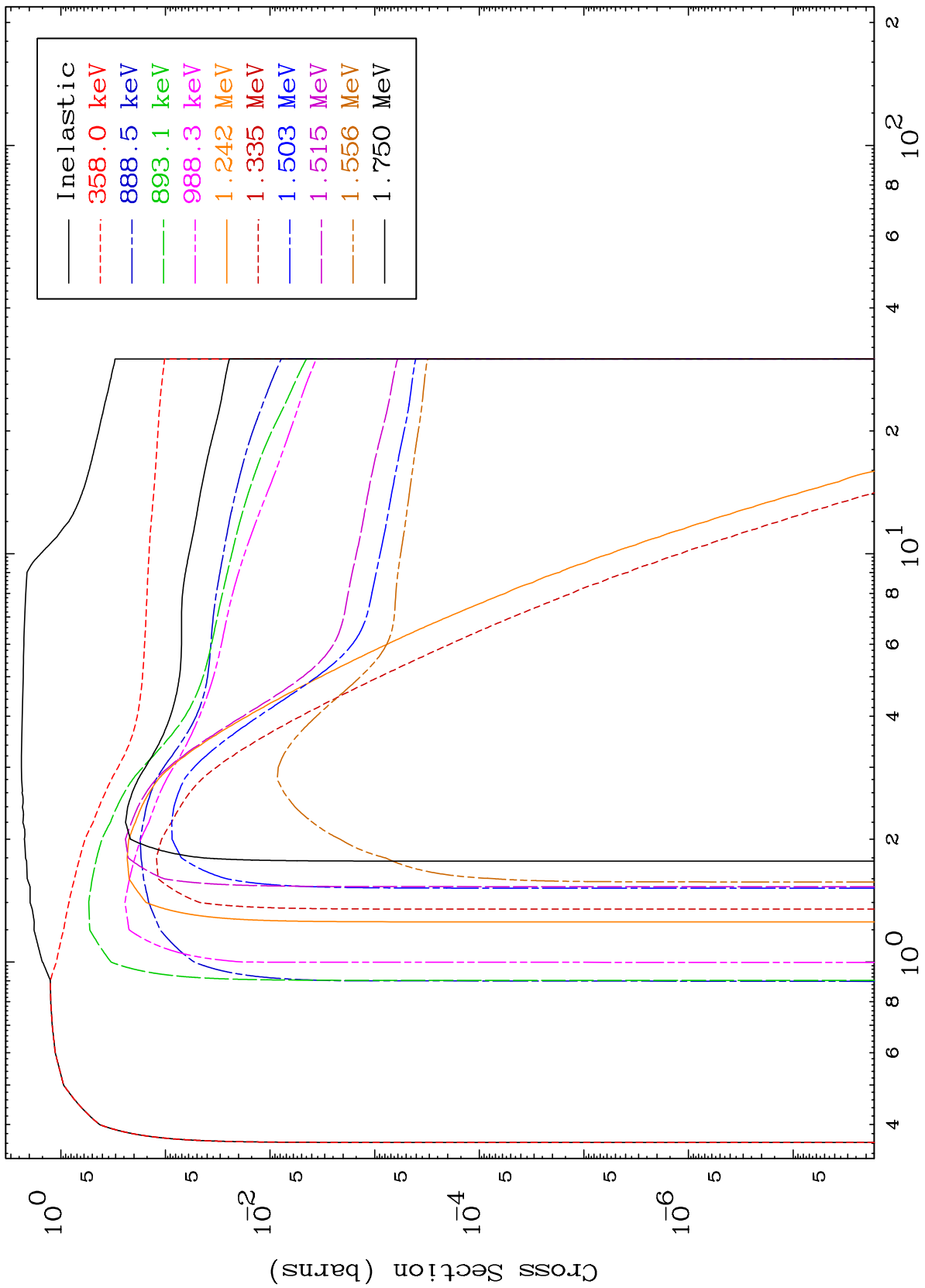


MAT 4449

(n,n') Level

44-Ru-104

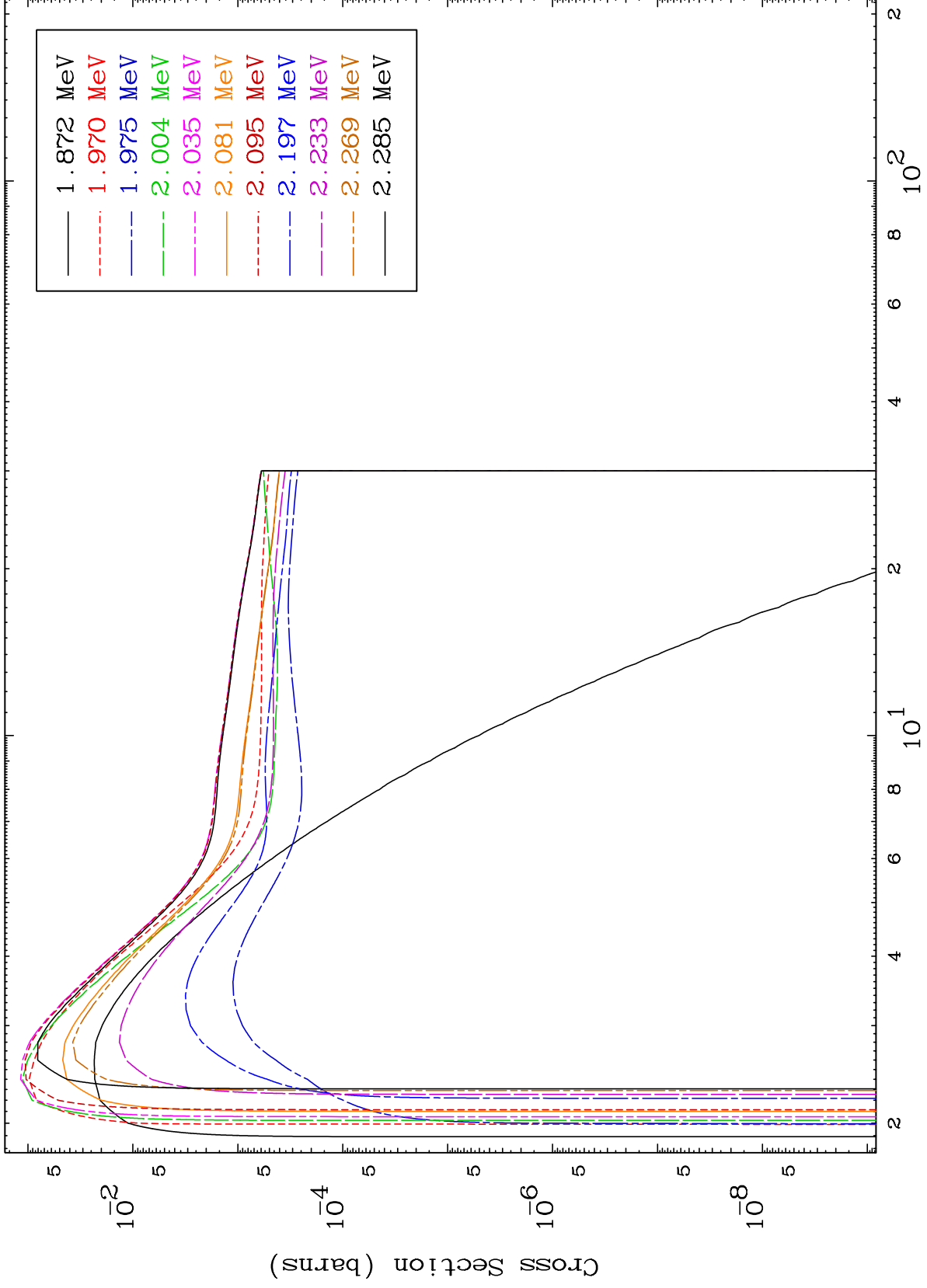
293 Kelvin Cross Sections



MAT 4449

(n,n') Level
293 Kelvin Cross Sections

44-Ru-104



8

Incident Energy (MeV)

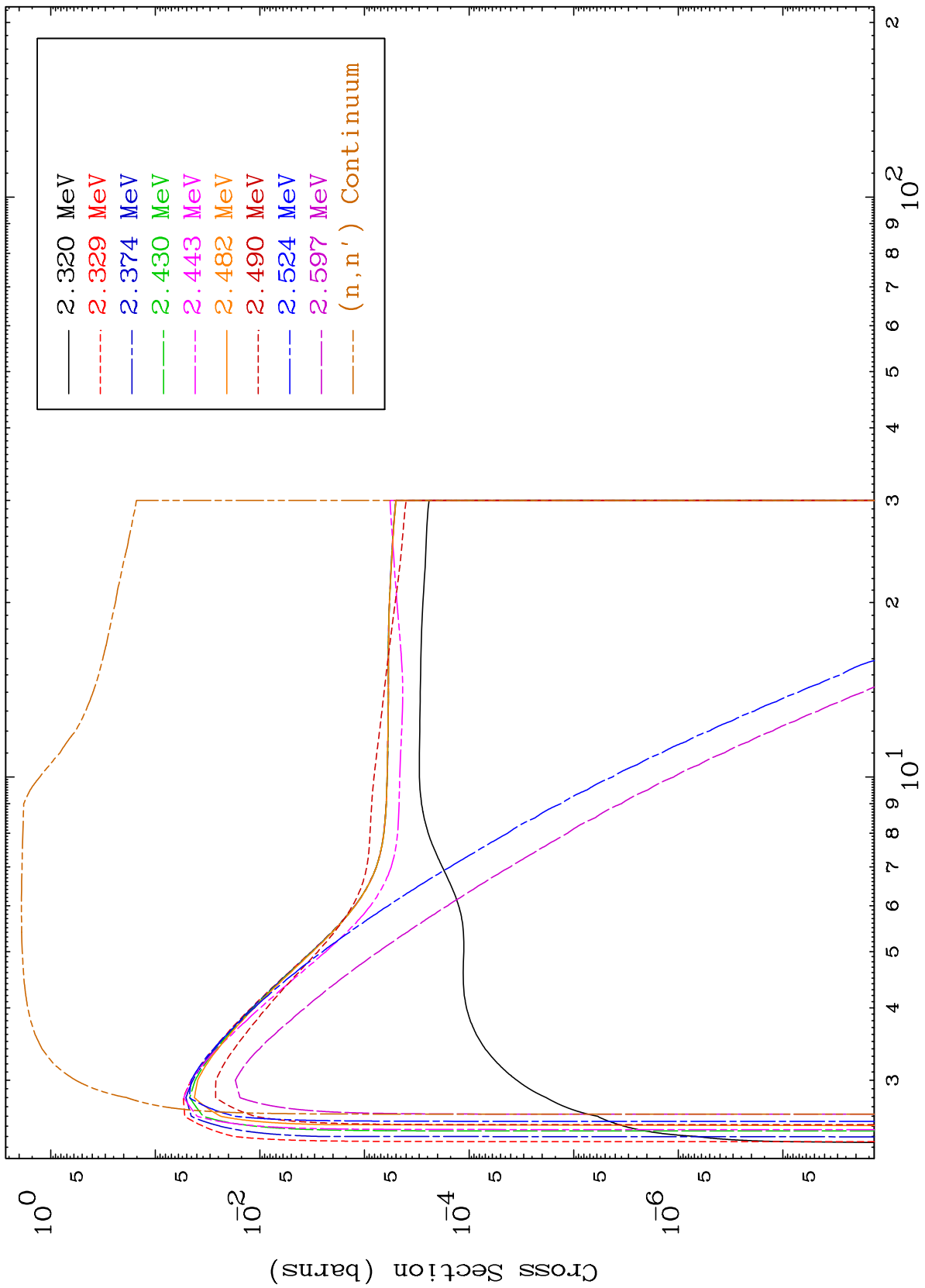
44-Ru-104

MAT 4449

(n,n') Level

44-Ru-104

293 Kelvin Cross Sections



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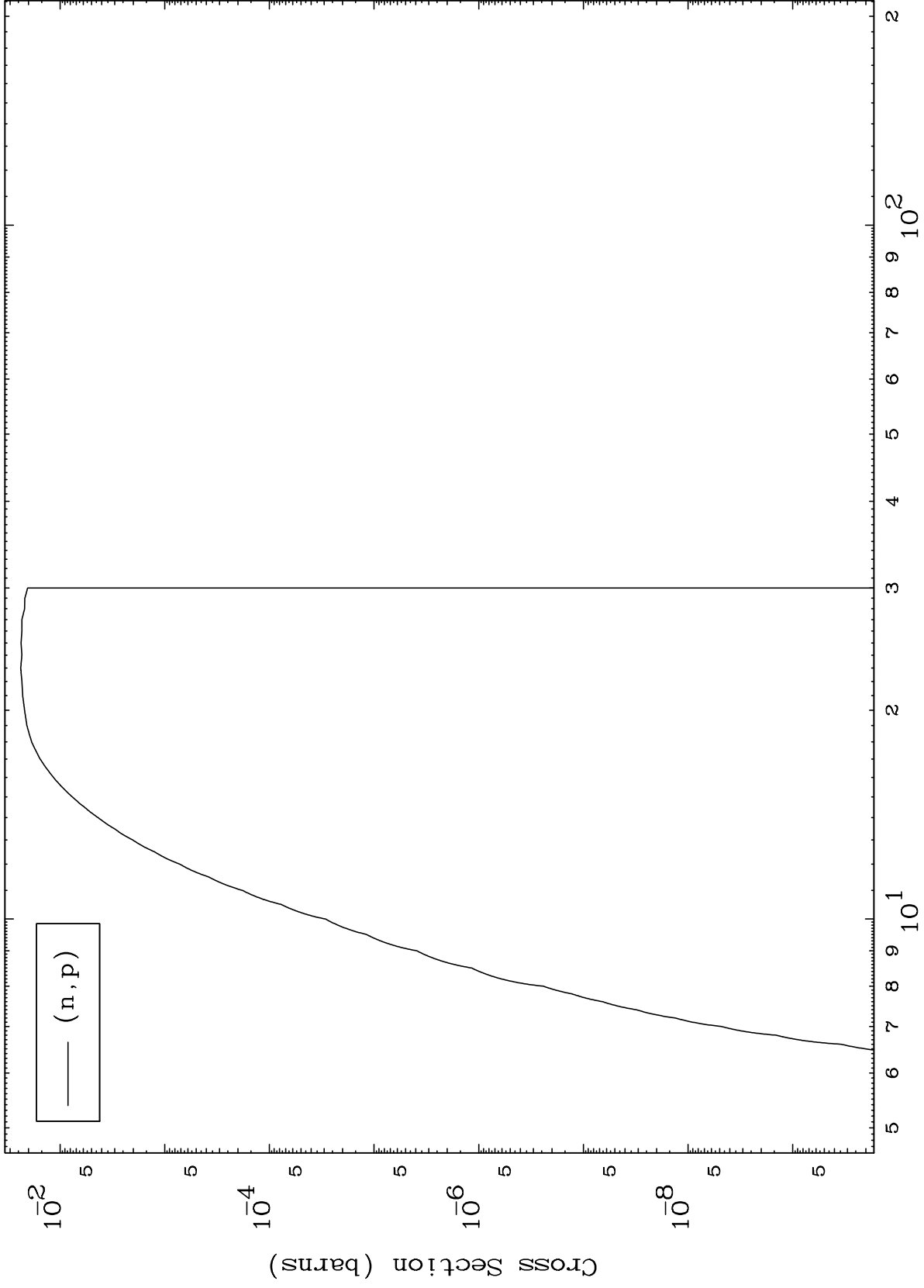
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-104



10

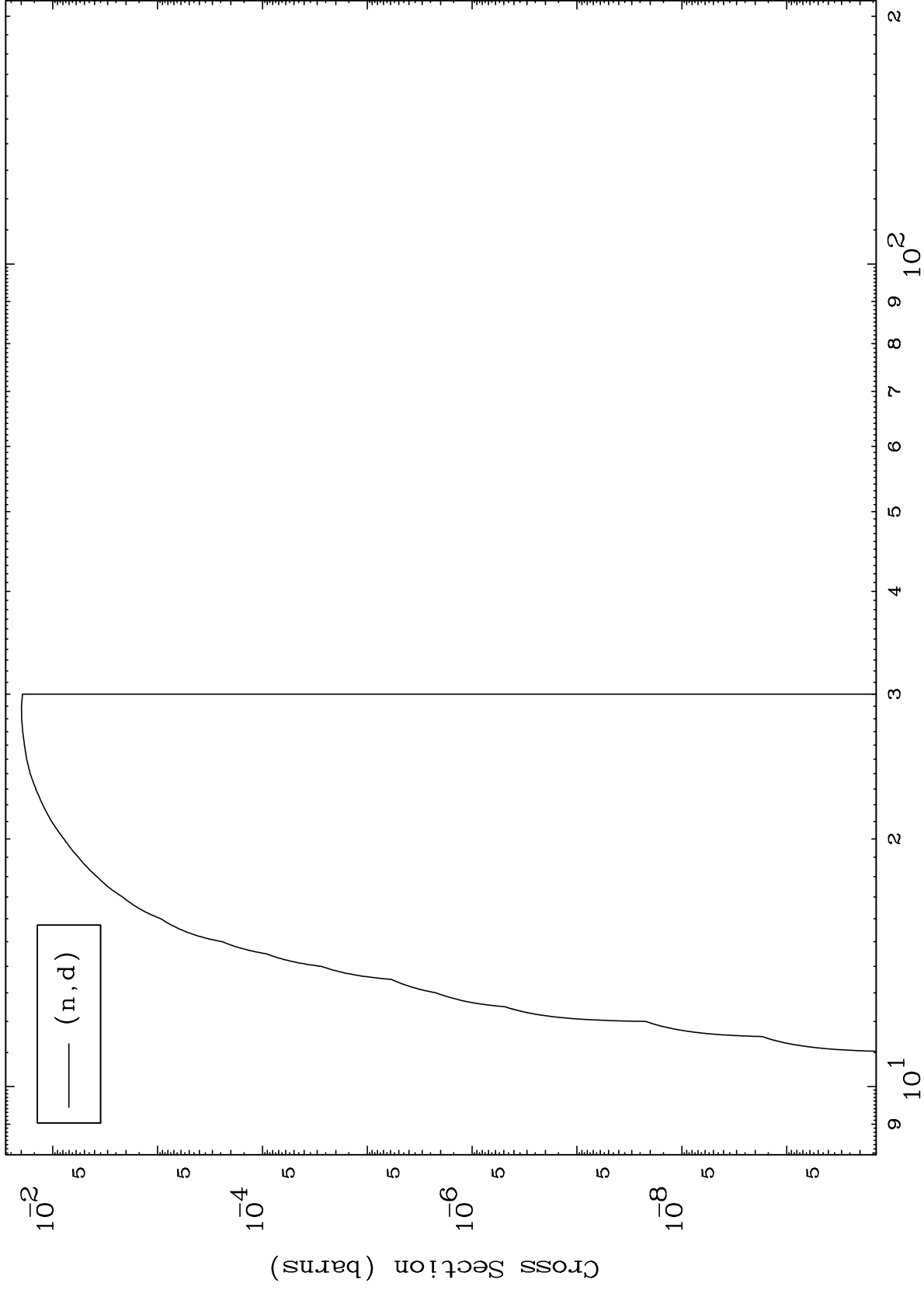
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-104



11

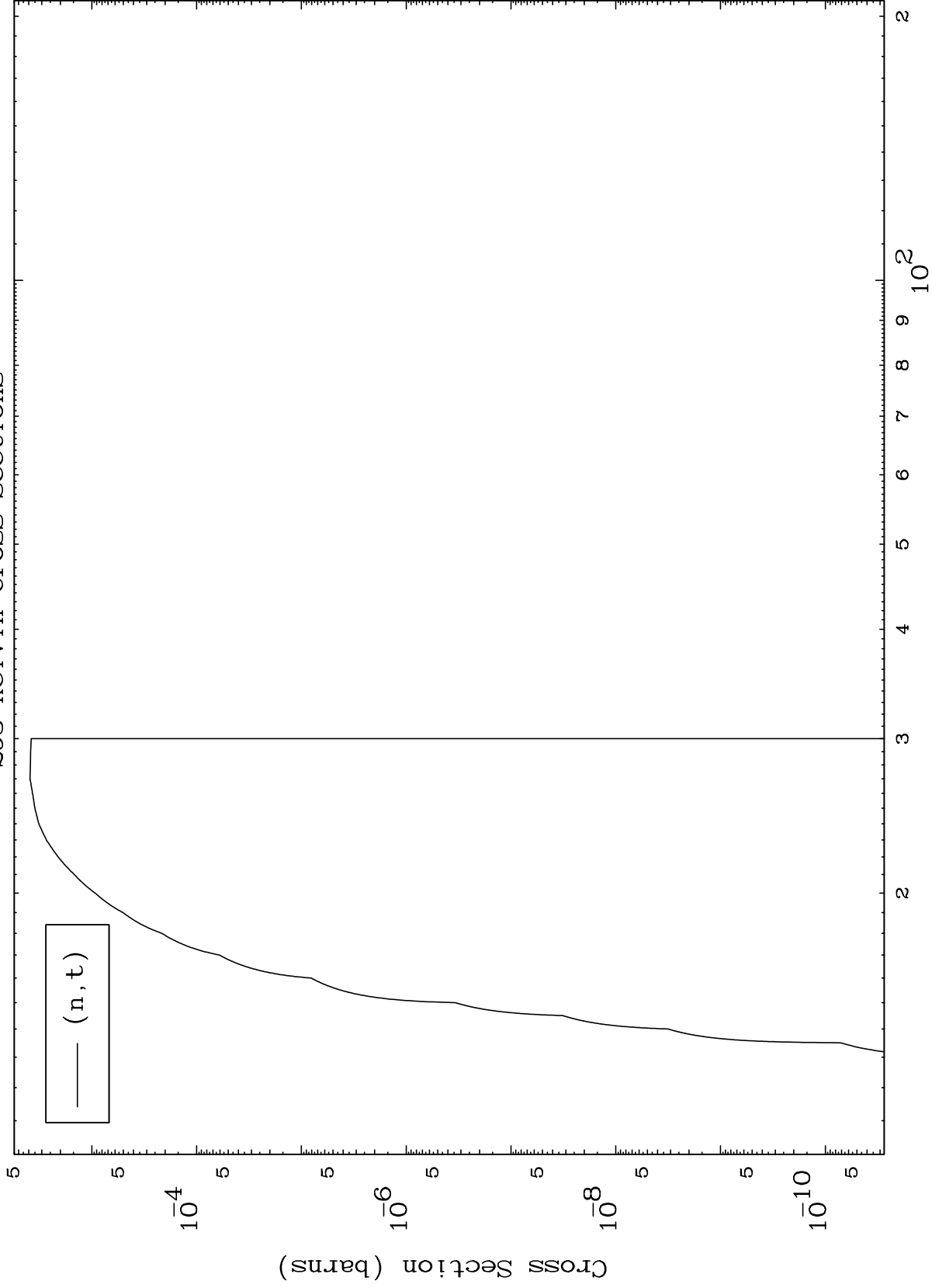
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-104



12

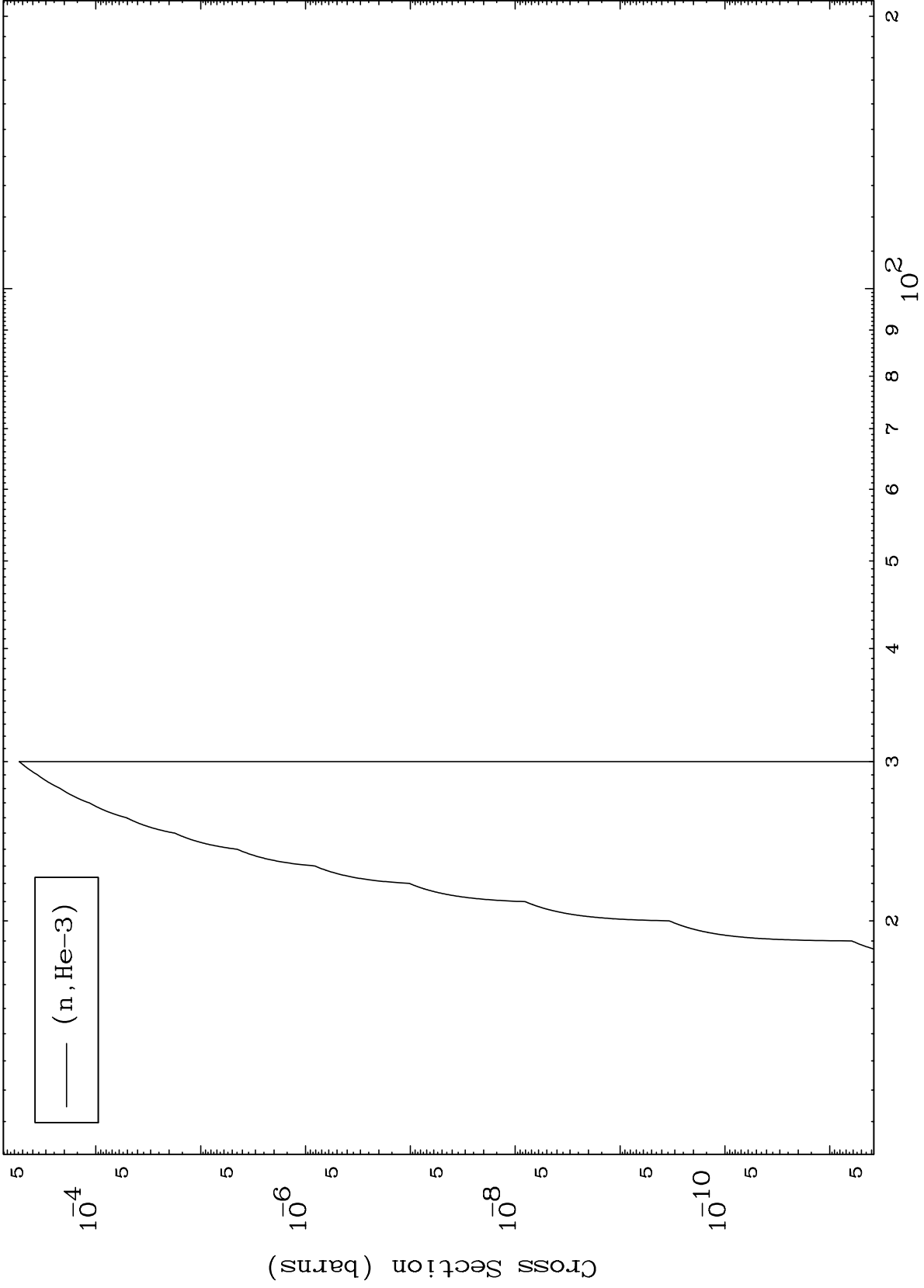
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,He3) Levels
293 Kelvin Cross Sections

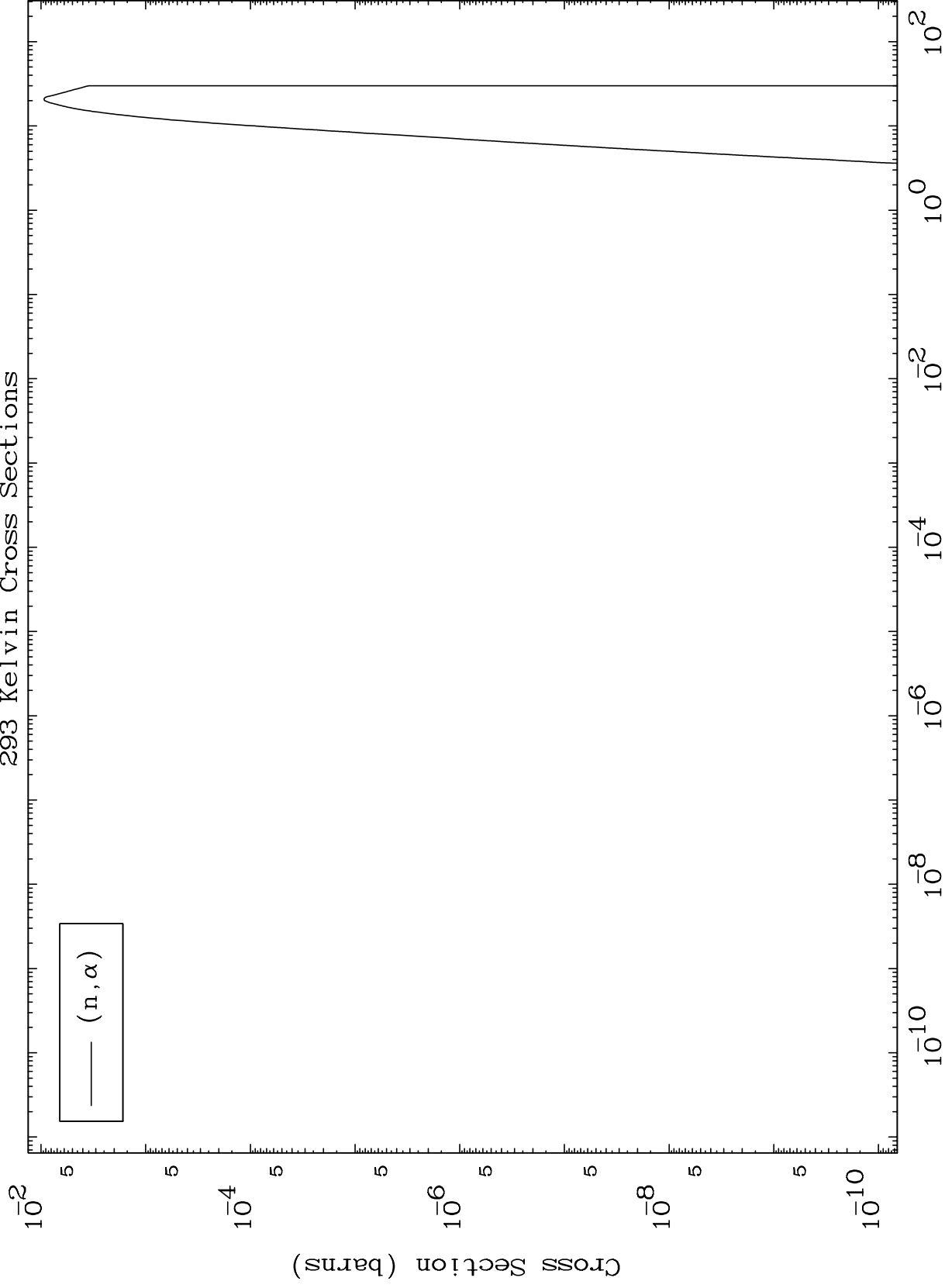
44-Ru-104



MAT 4449

(n, α) Levels
293 Kelvin Cross Sections

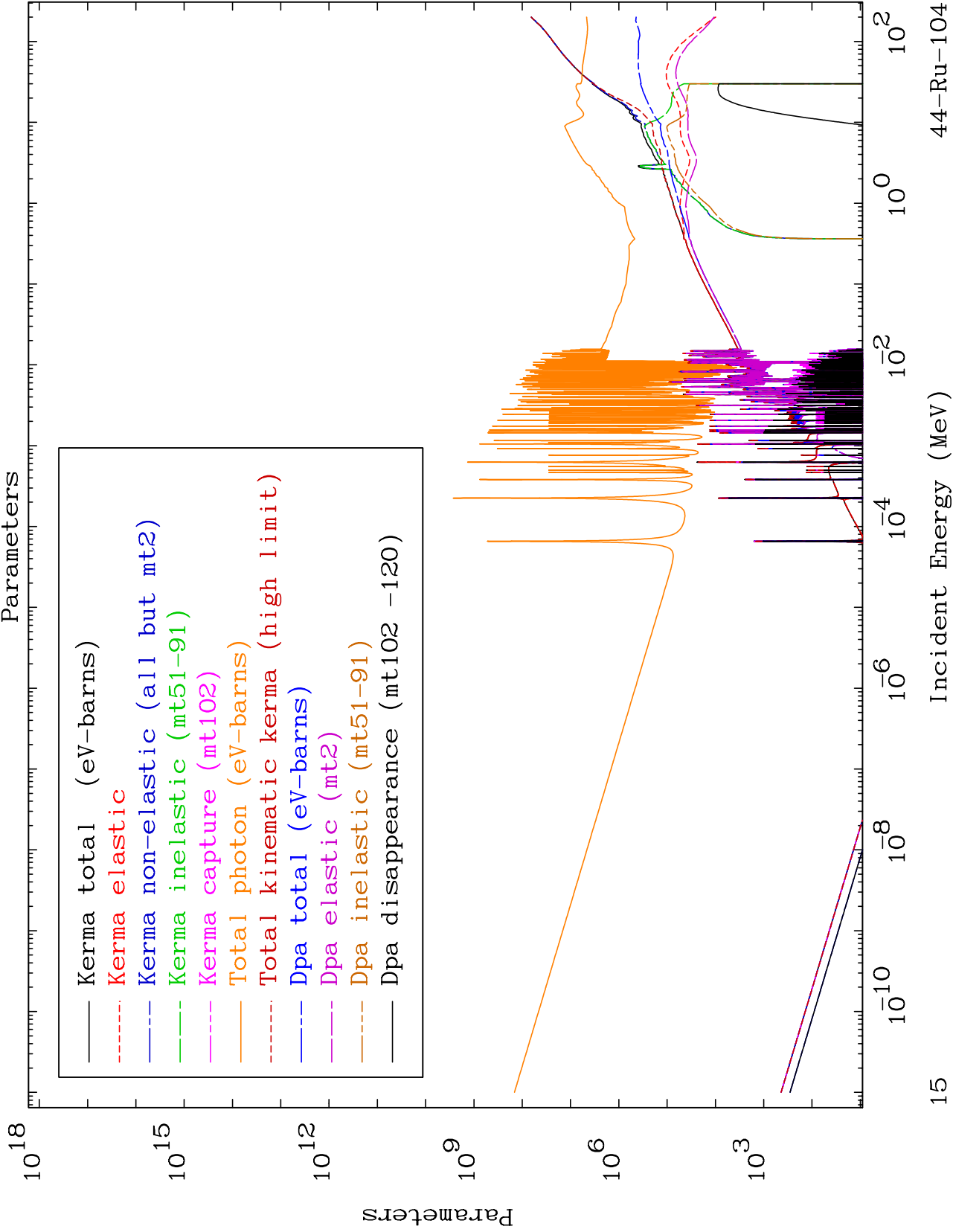
44-Ru-104



14

Incident Energy (MeV)

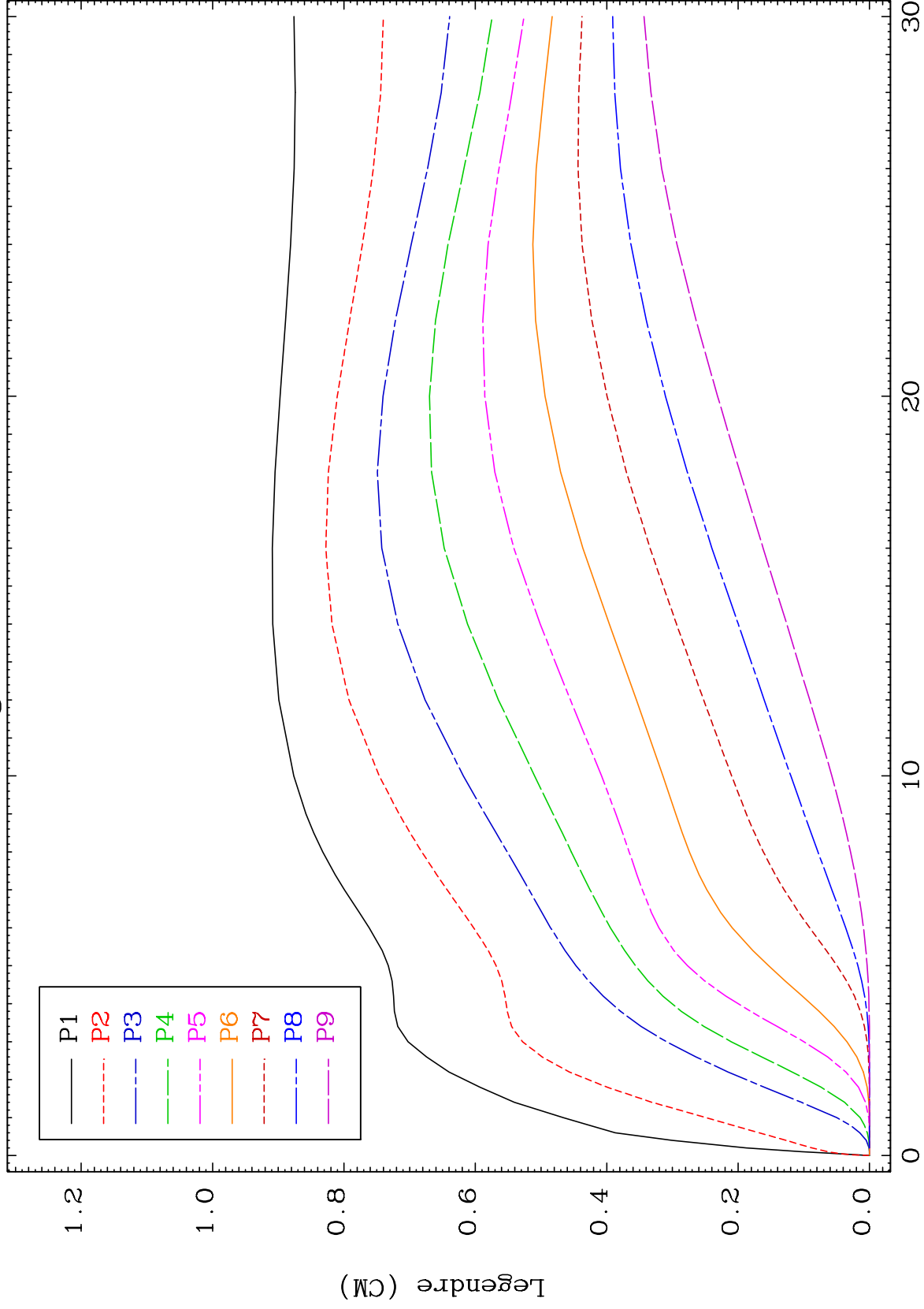
44-Ru-104



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Elastic Legendre Coefficients

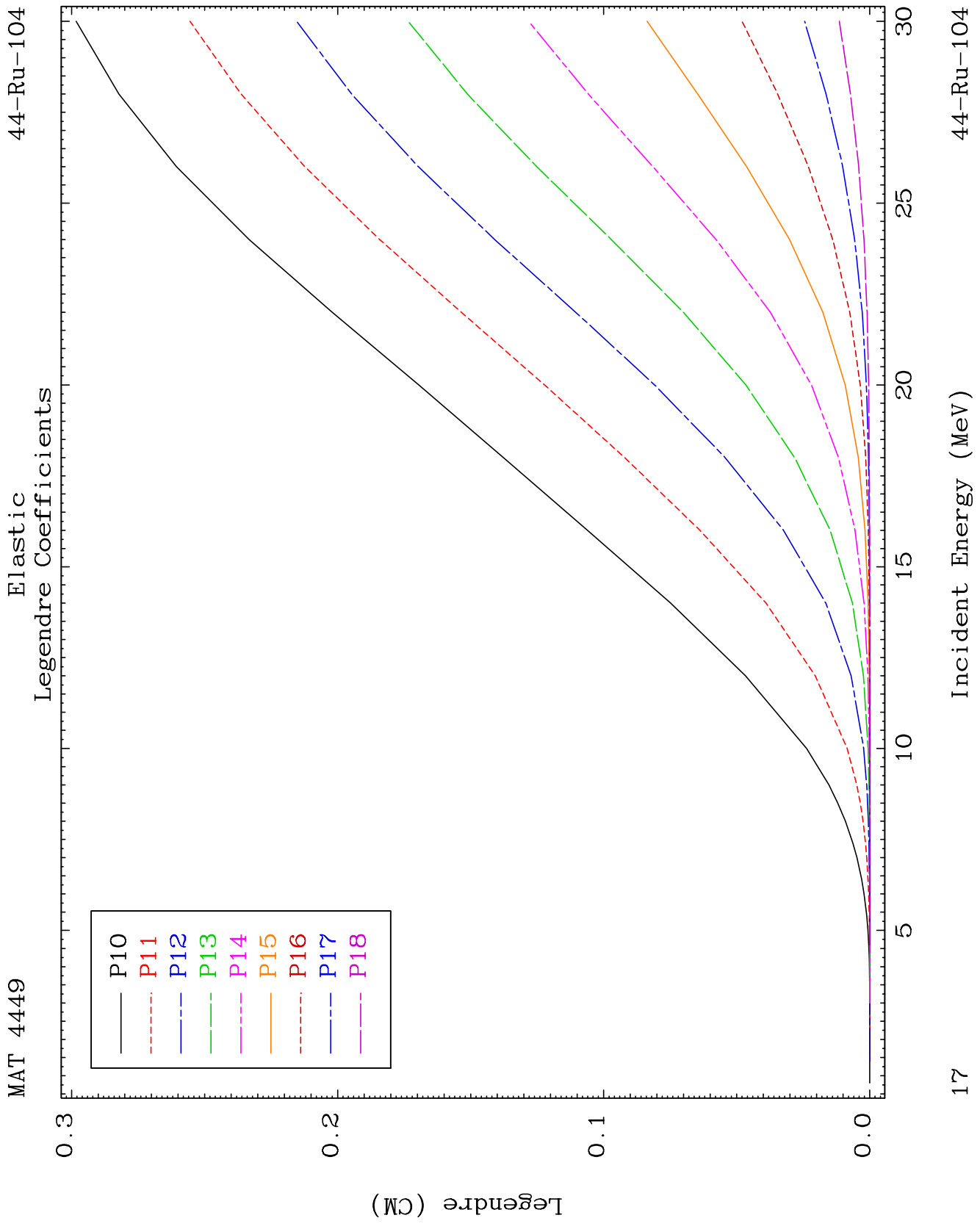
44-Ru-104

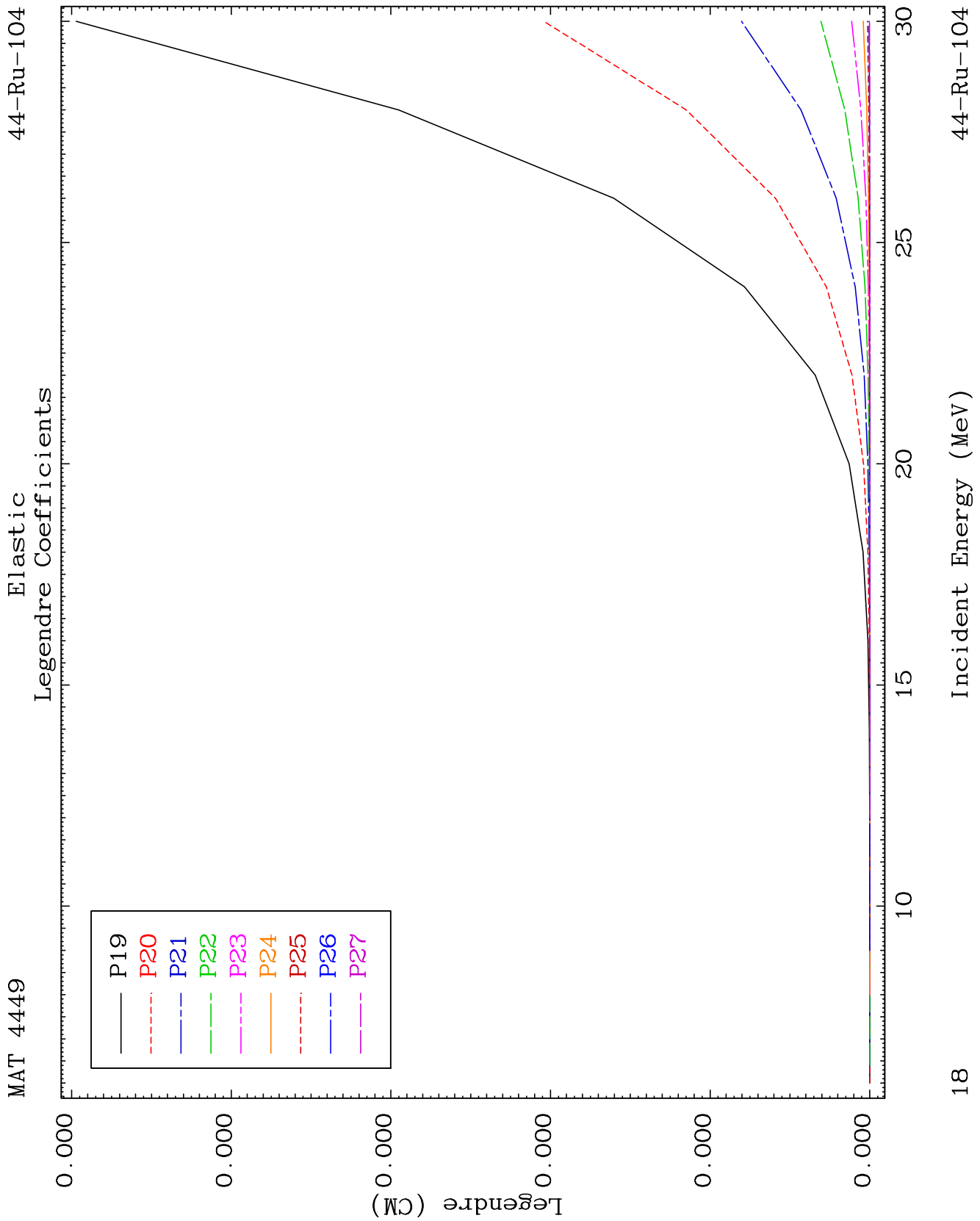


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Incident Energy (MeV)

44-Ru-104

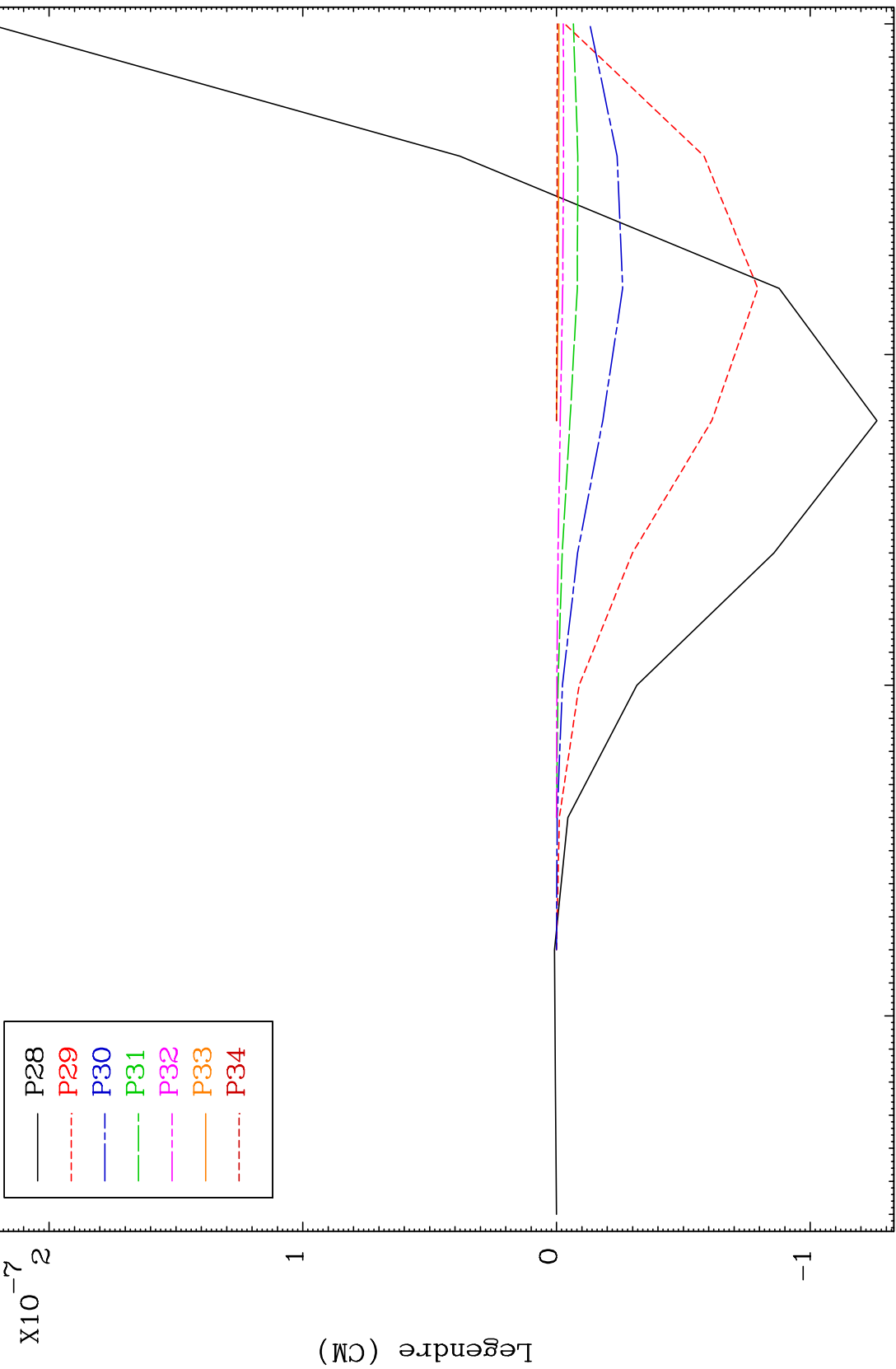
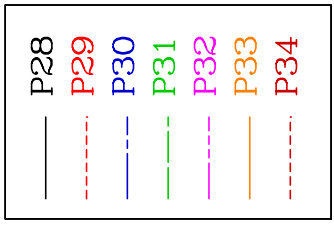




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Elastic Legendre Coefficients

44-Ru-104



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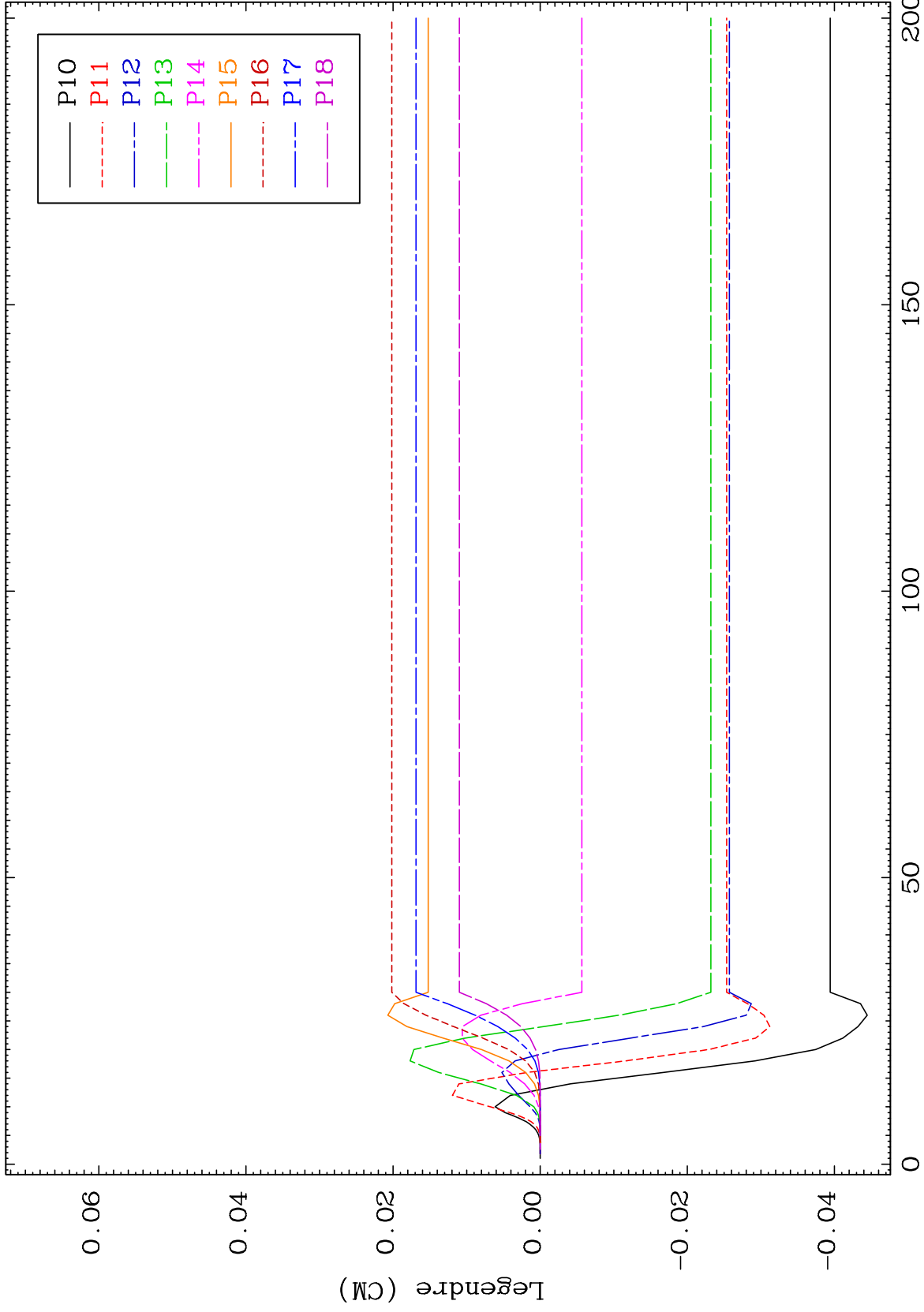
Incident Energy (MeV)

44-Ru-104

MAT 4449

358.0 keV (n,n') Level
Legendre Coefficients

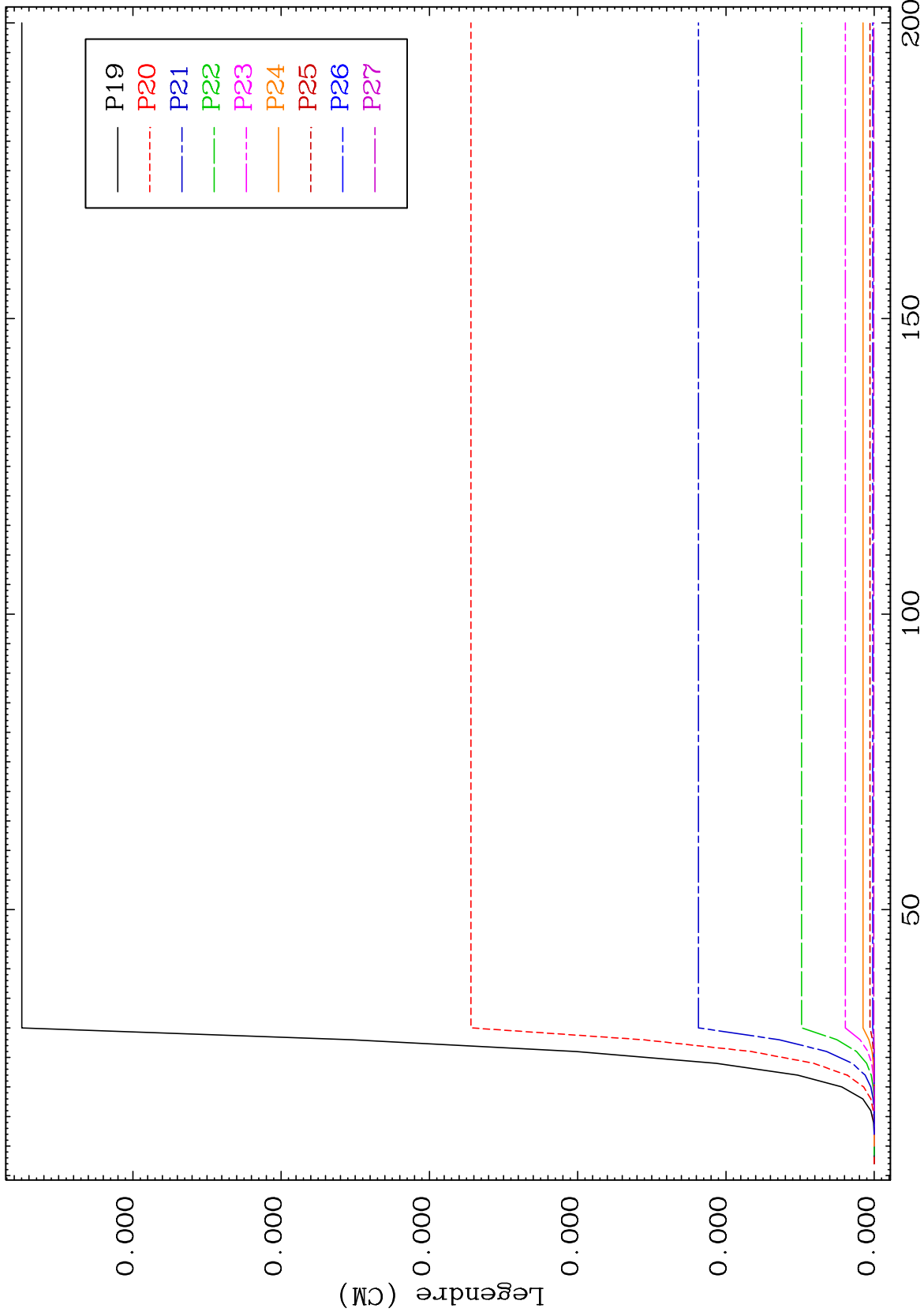
44-Ru-104



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Incident Energy (MeV)

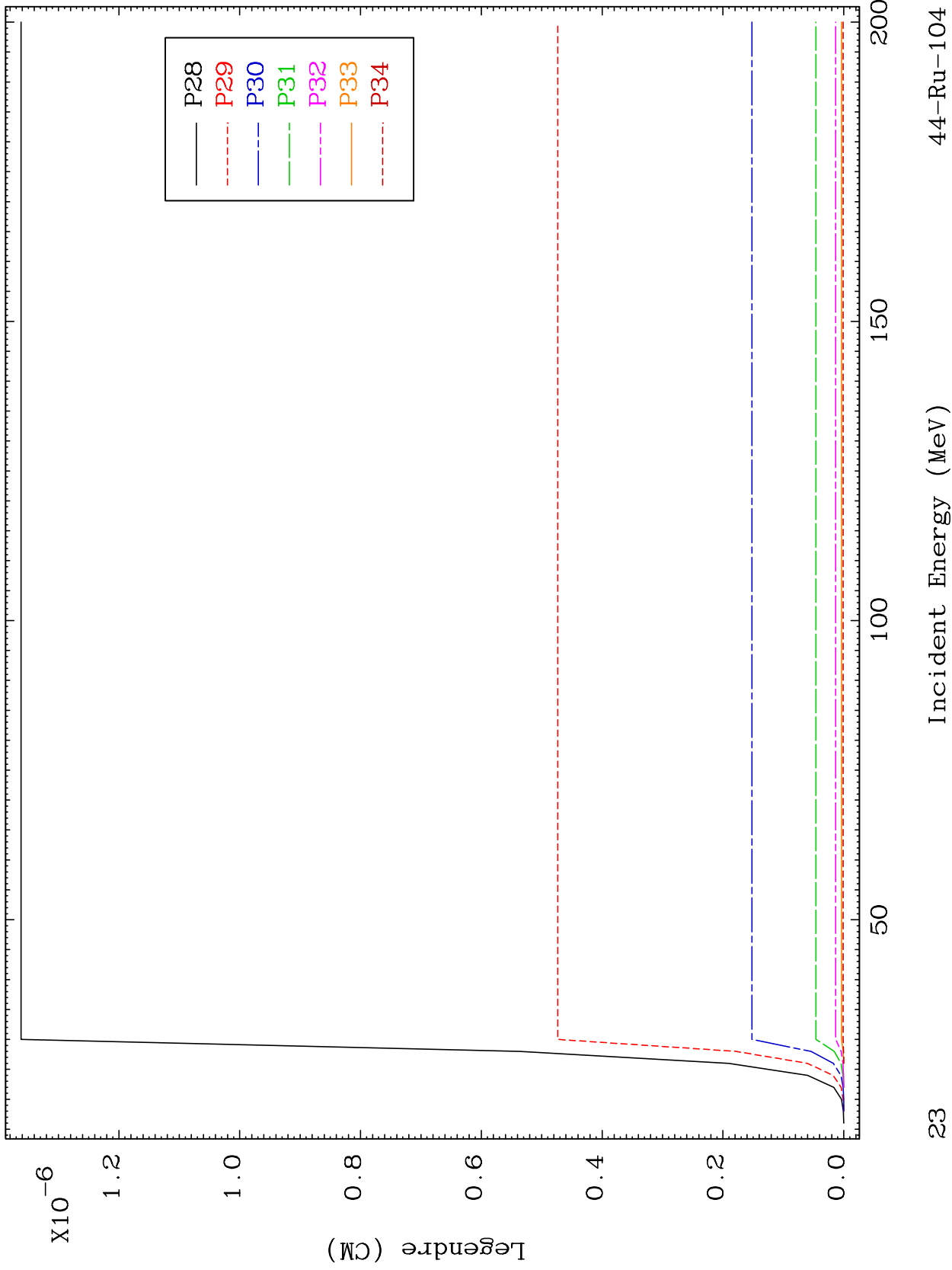
44-Ru-104



MAT 4449

358.0 keV (n,n') Level
Legendre Coefficients

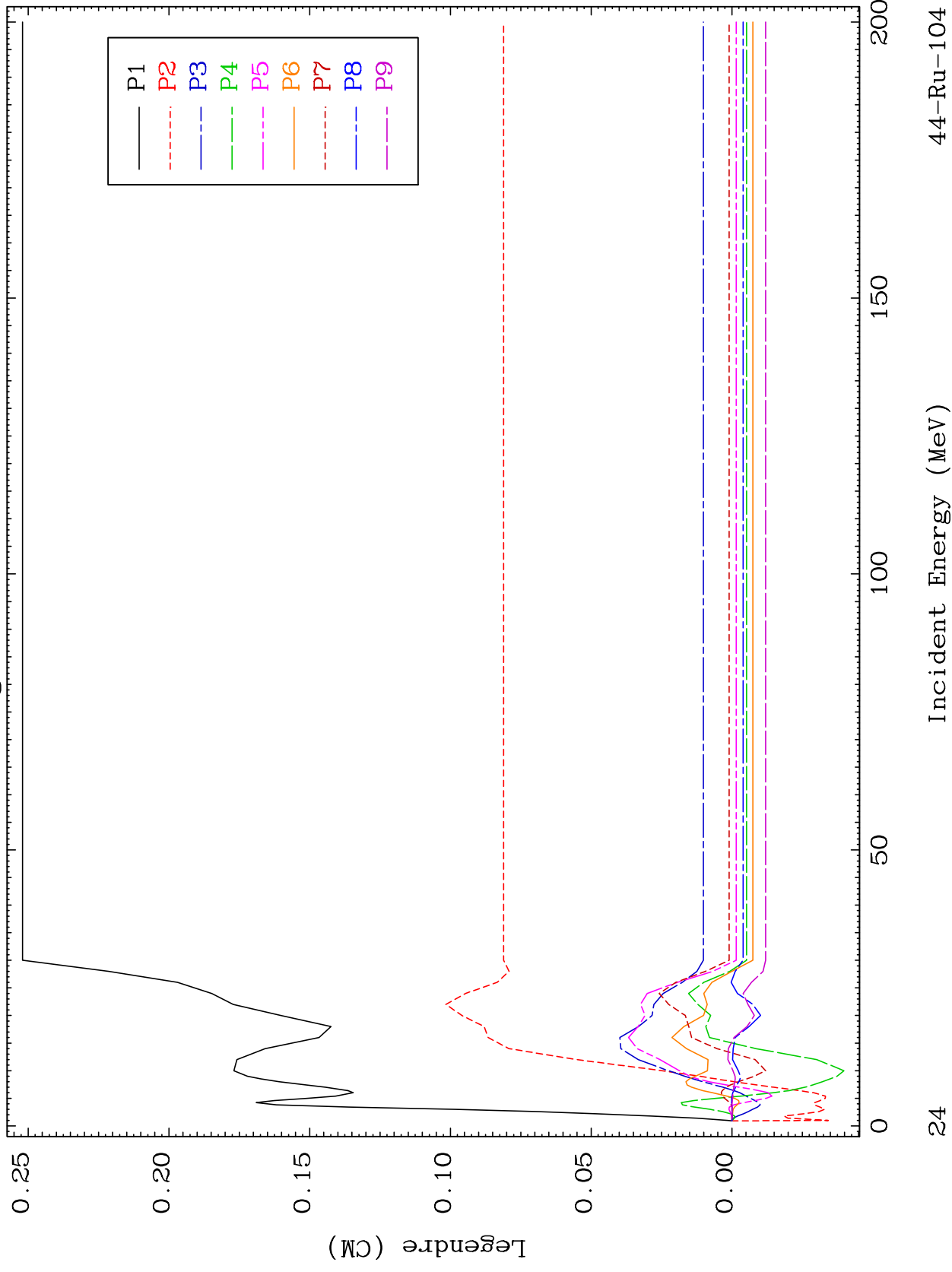
44-Ru-104



MAT 4449

888.5 keV (n,n') Level
Legendre Coefficients

44-Ru-104



24

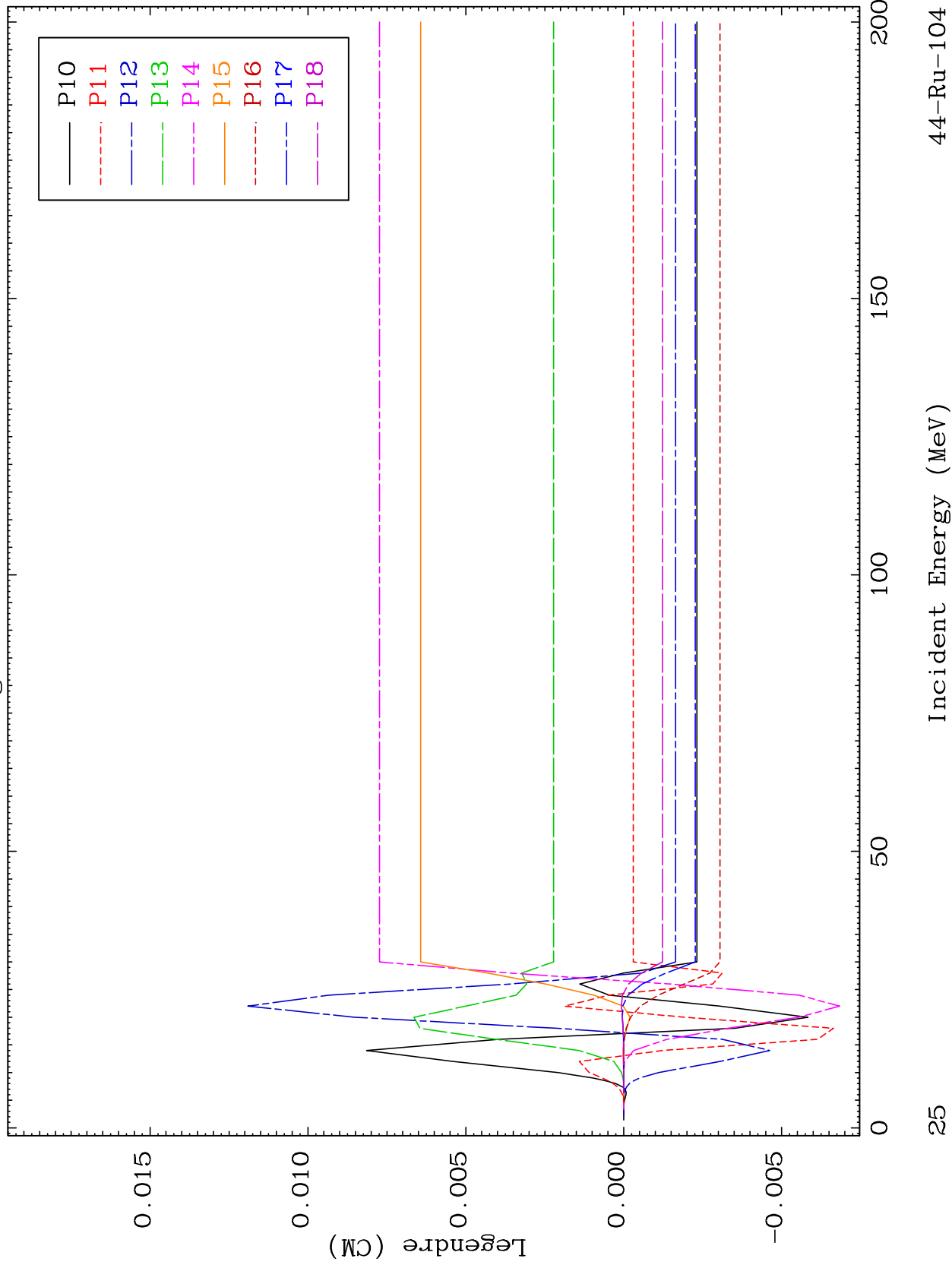
Incident Energy (MeV)

44-Ru-104

MAT 4449

888.5 keV (n,n') Level
Legendre Coefficients

44-Ru-104



44-Ru-104

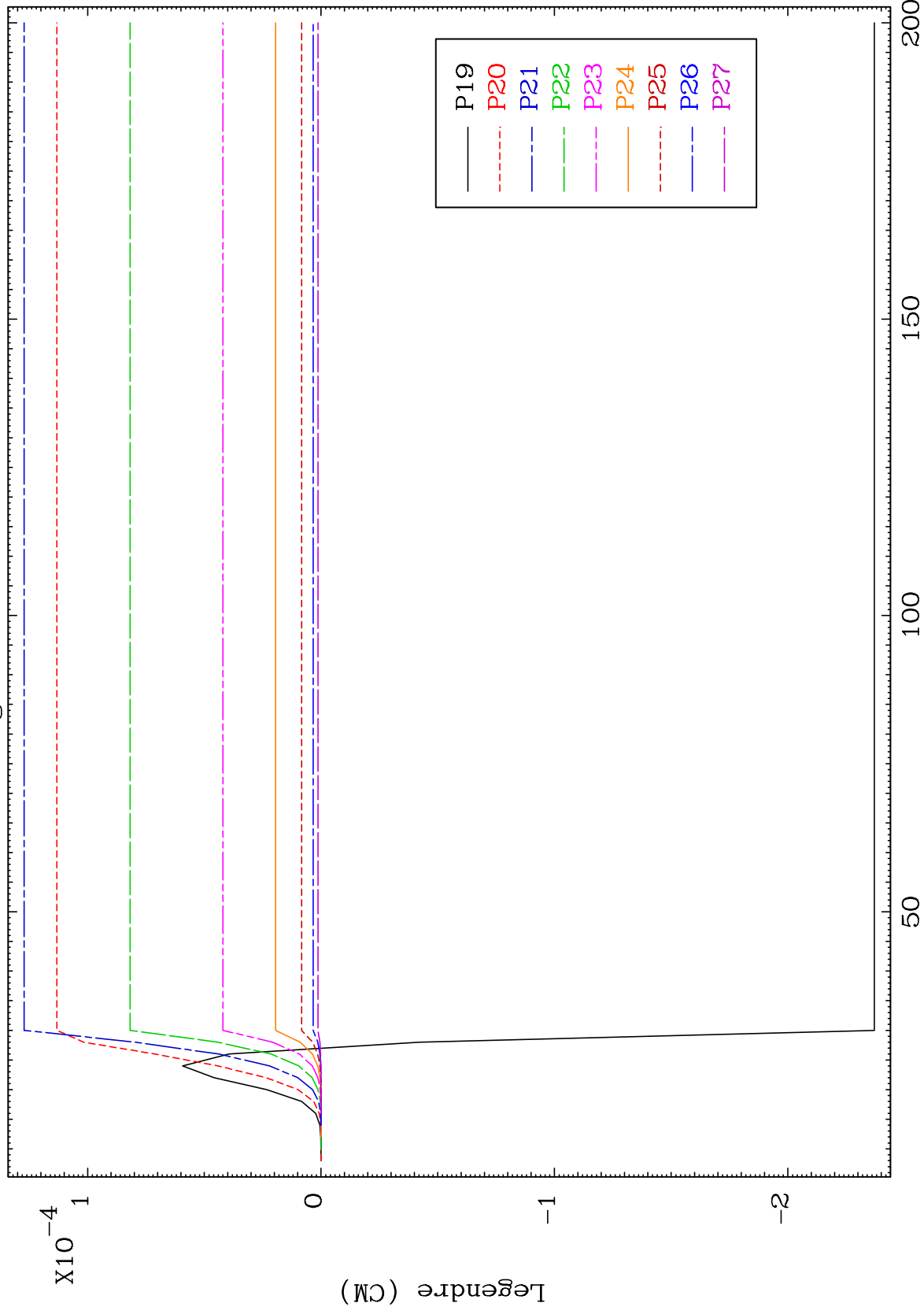
Incident Energy (MeV)

25

MAT 4449

888.5 keV (n, n') Level
Legendre Coefficients

44-Ru-104



26

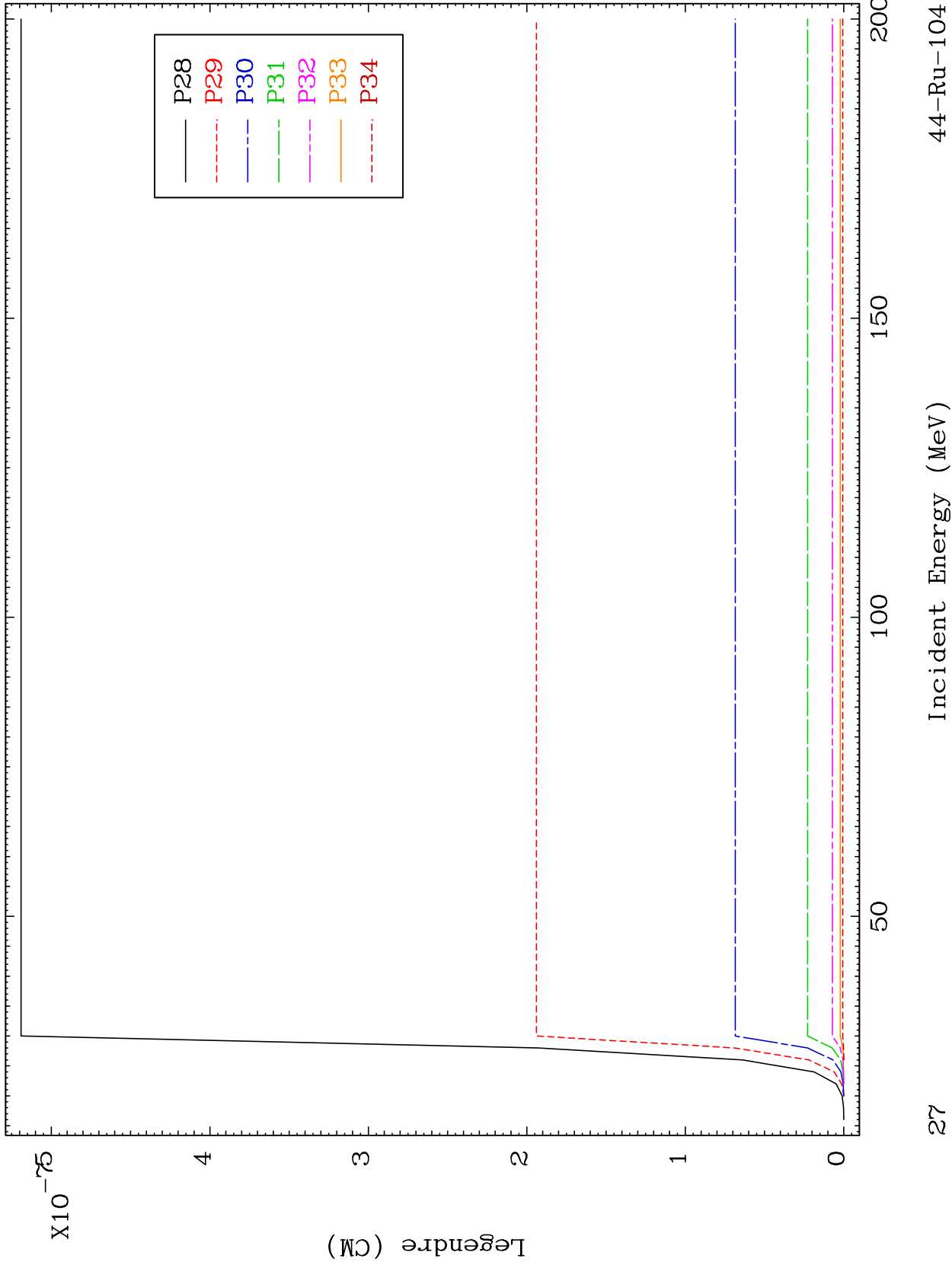
Incident Energy (MeV)

44-Ru-104

MAT 4449

888.5 keV (n, n') Level
Legendre Coefficients

44-Ru-104

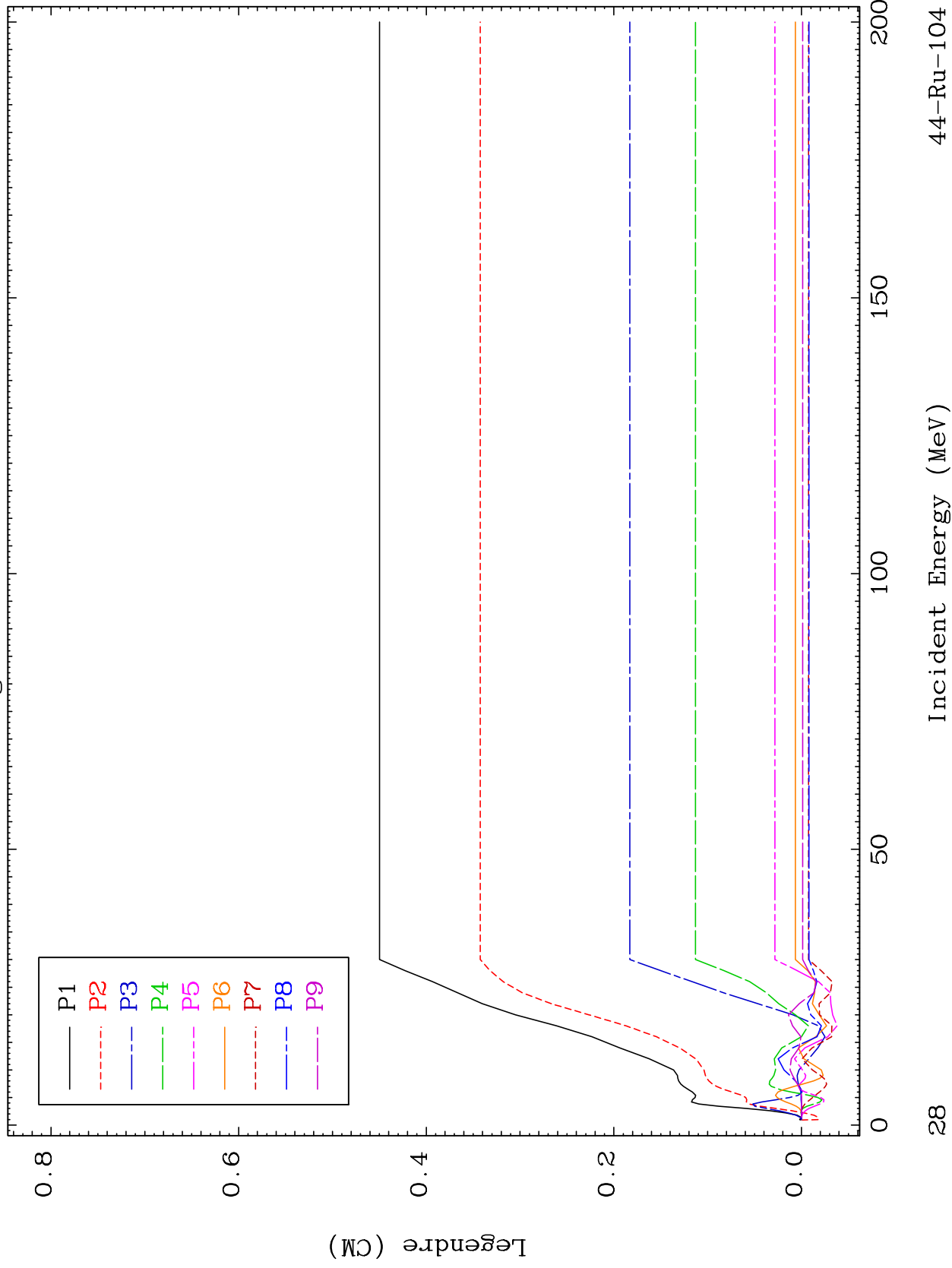


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MAT 4449

893.1 keV (n,n') Level
Legendre Coefficients

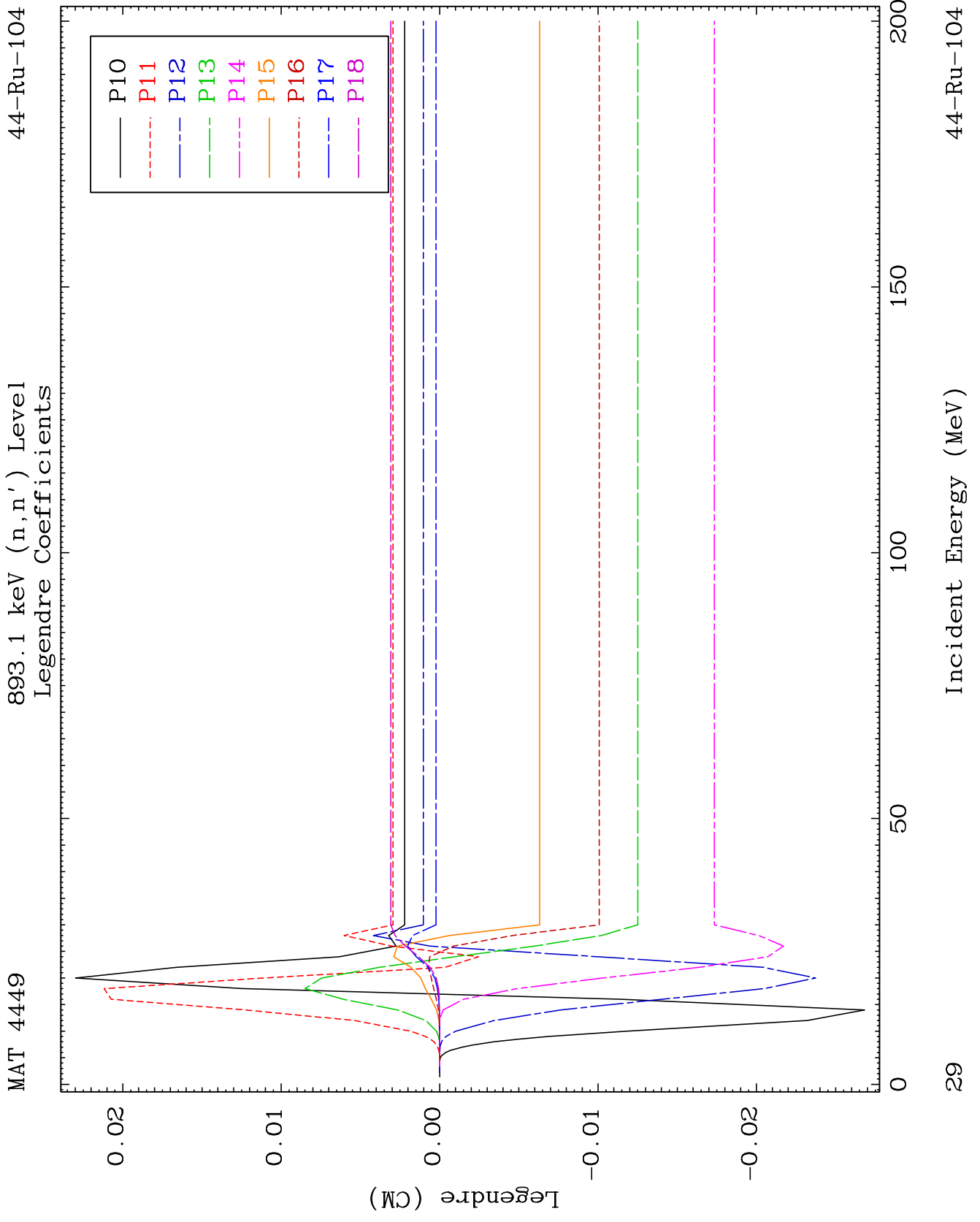
44-Ru-104



28

Incident Energy (MeV)

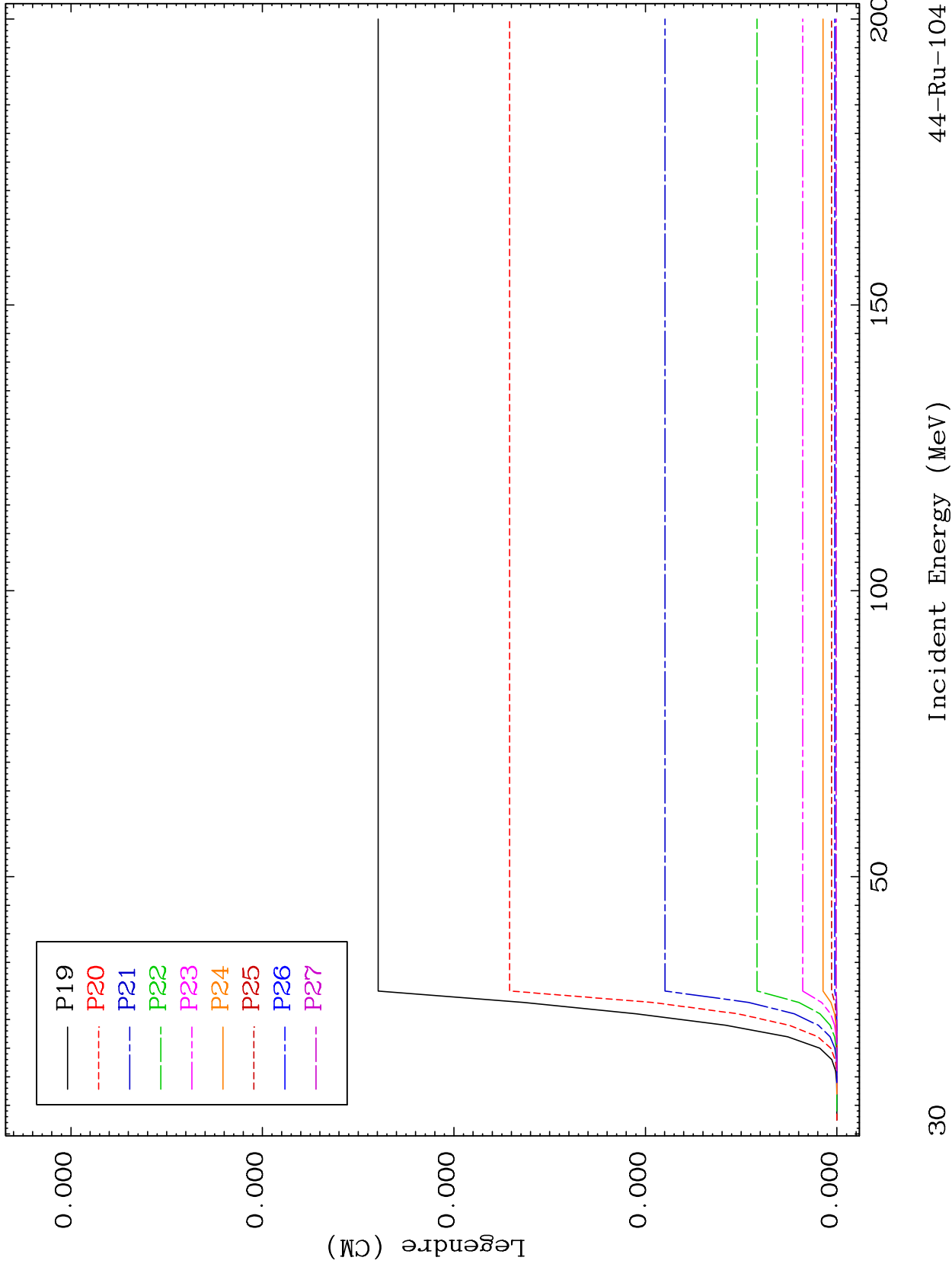
44-Ru-104



MAT 4449

893.1 keV (n,n') Level
Legendre Coefficients

44-Ru-104



30

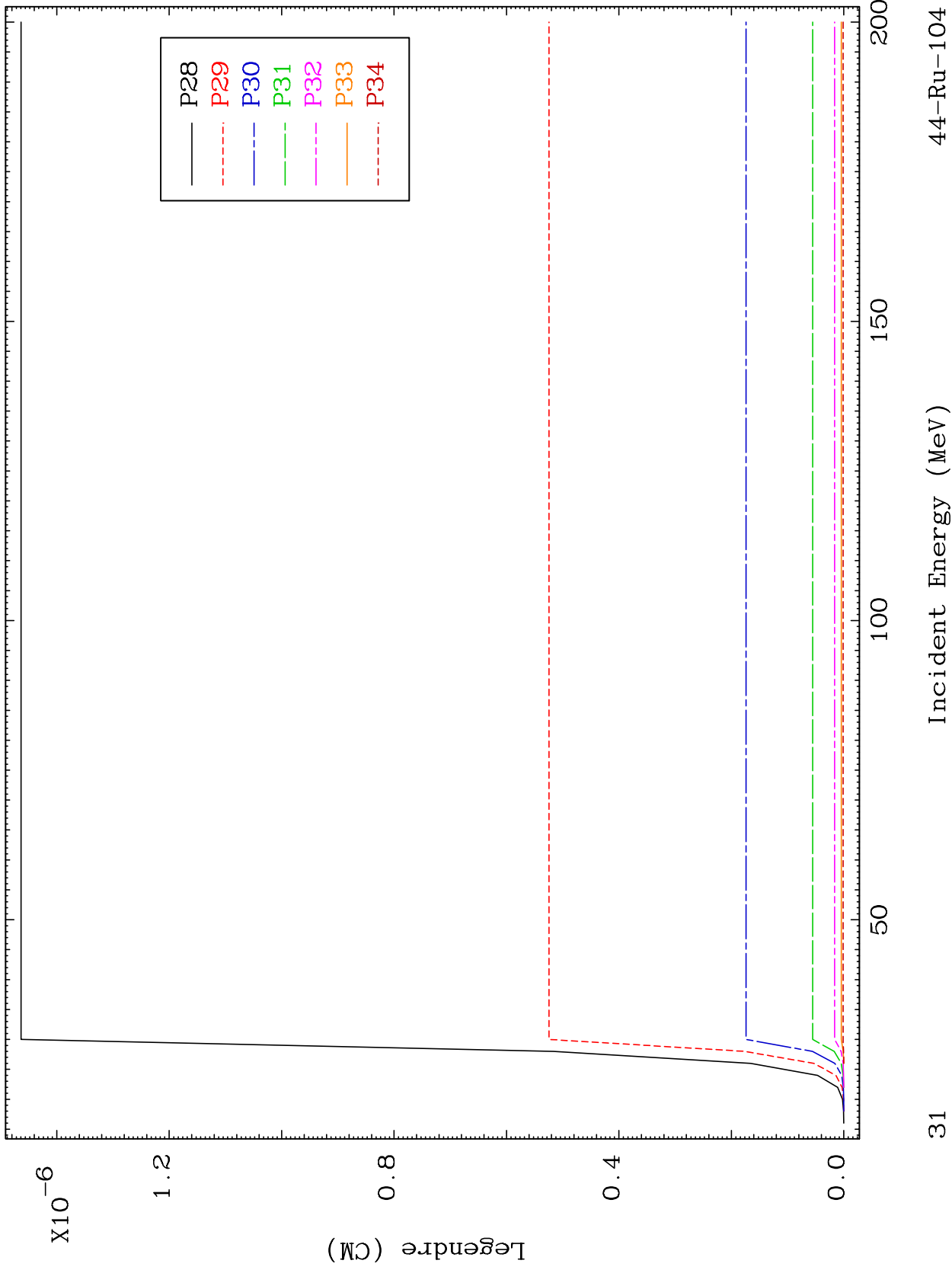
Incident Energy (MeV)

44-Ru-104

MAT 4449

893.1 keV (n,n') Level
Legendre Coefficients

44-Ru-104



31

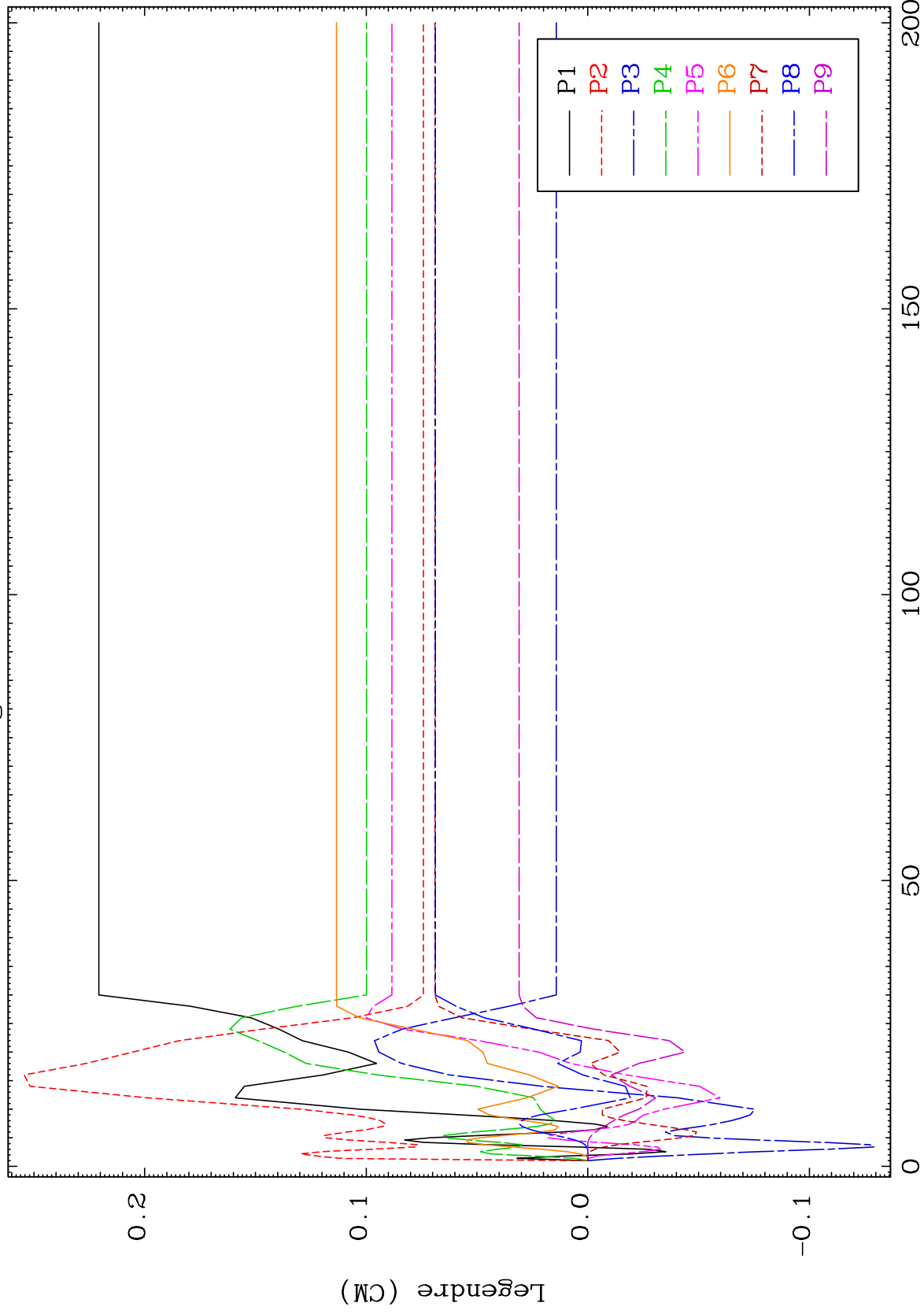
Incident Energy (MeV)

44-Ru-104

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988.3 keV (n,n') Level
Legendre Coefficients

44-Ru-104



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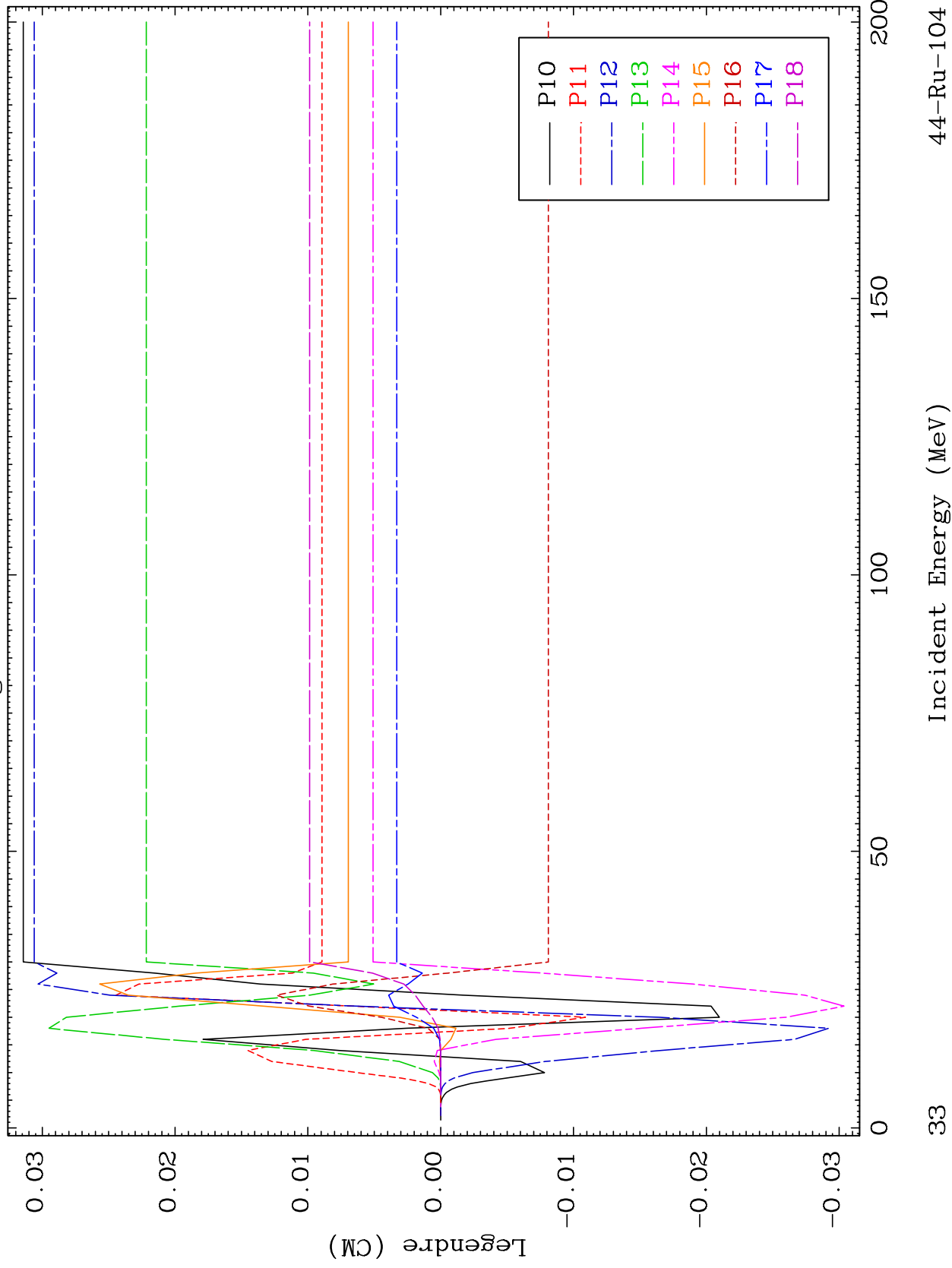
Incident Energy (MeV)

44-Ru-104

MAT 4449

988.3 keV (n,n') Level
Legendre Coefficients

44-Ru-104



44-Ru-104

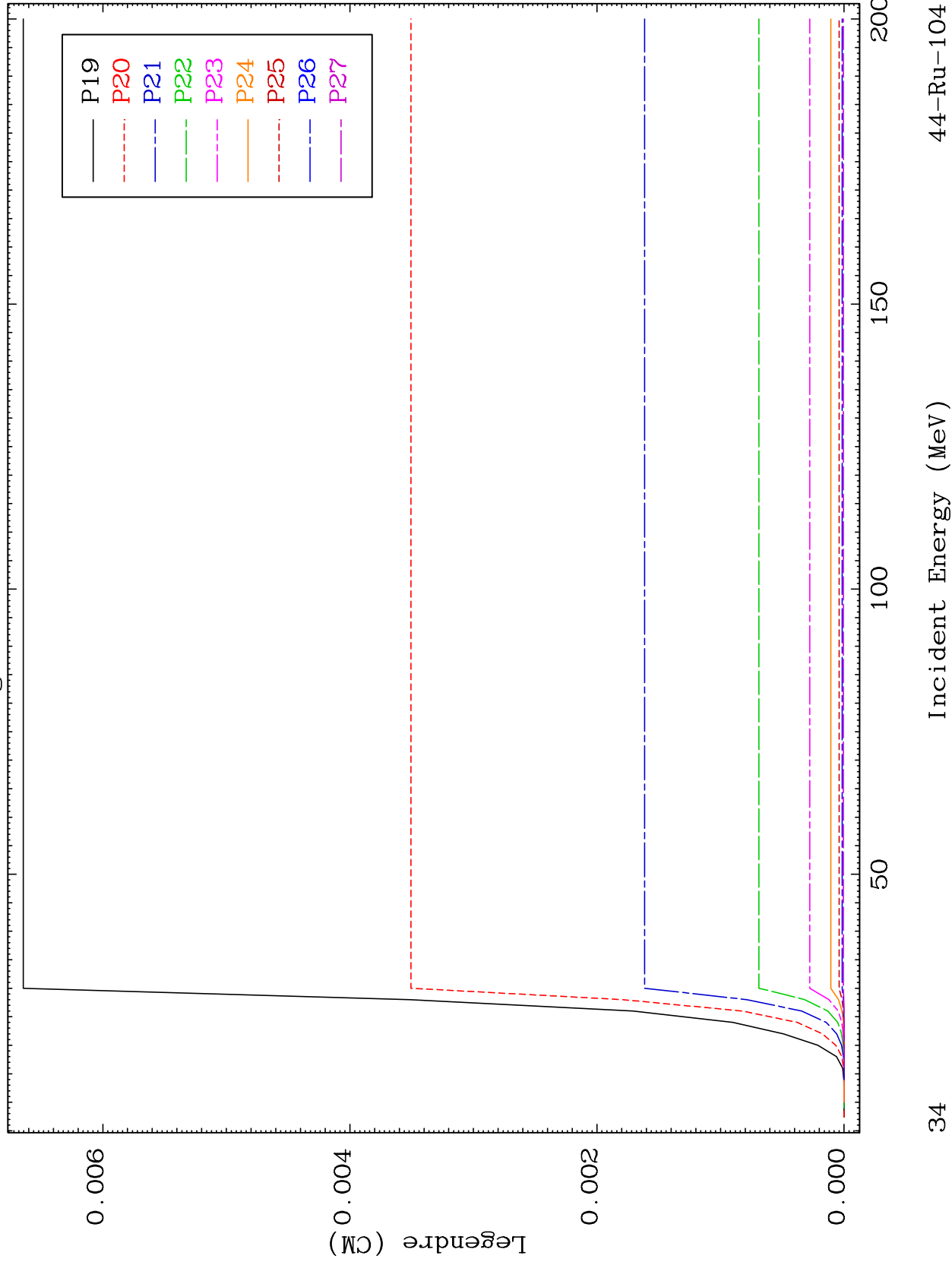
Incident Energy (MeV)

33

MAT 4449

988.3 keV (n, n') Level
Legendre Coefficients

44-Ru-104



34

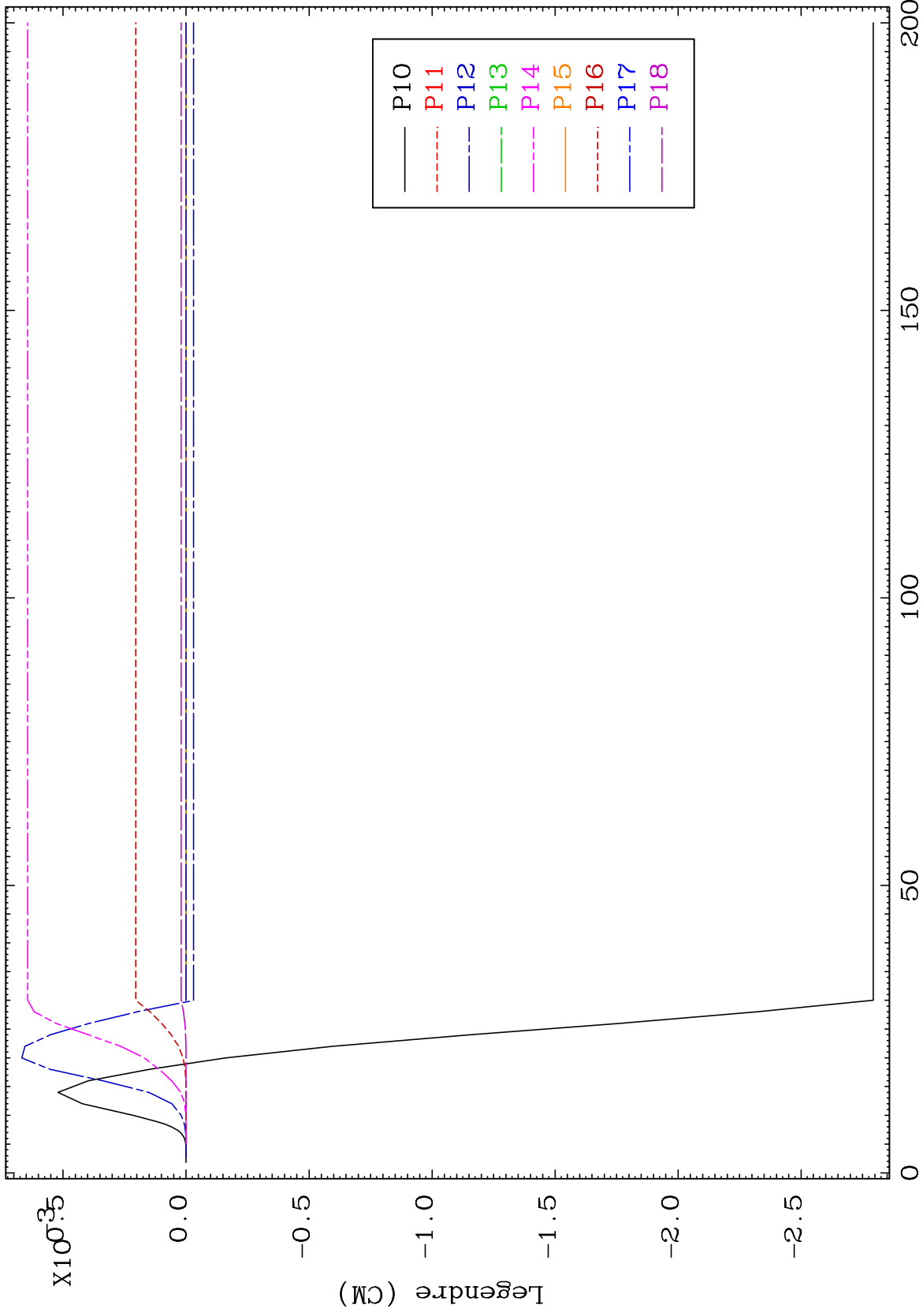
Incident Energy (MeV)

44-Ru-104

MAT 4449

1.242 MeV (n,n') Level
Legendre Coefficients

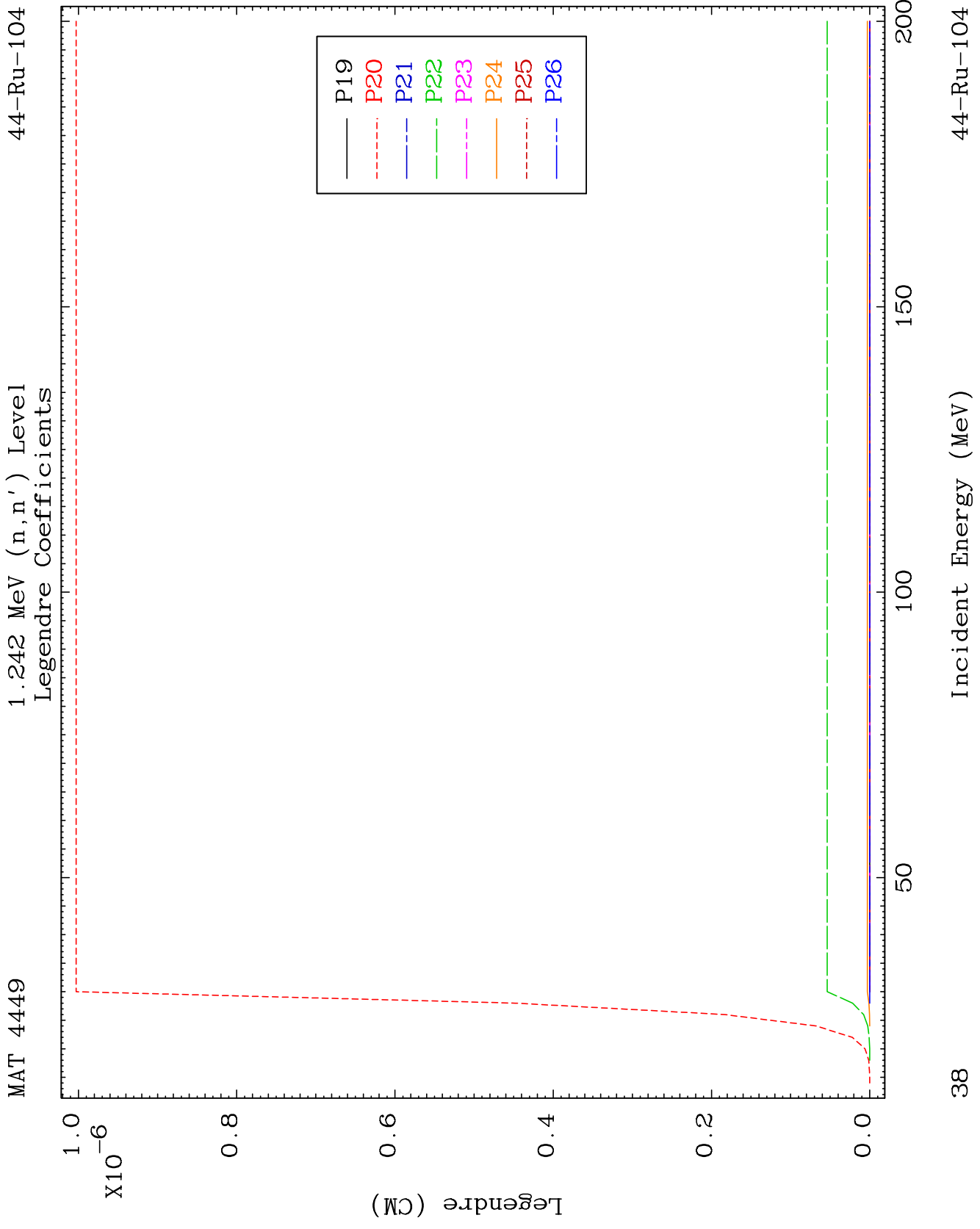
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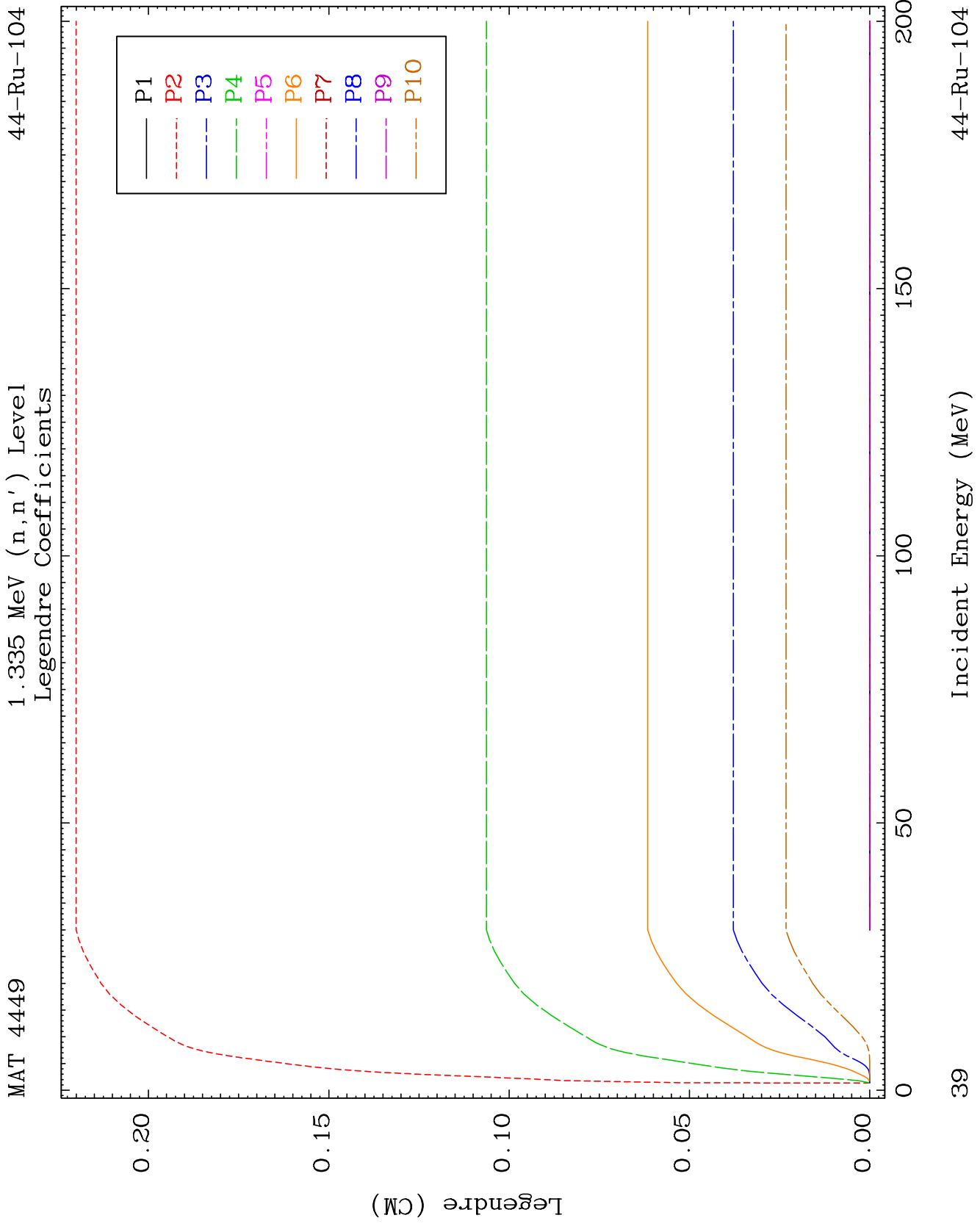


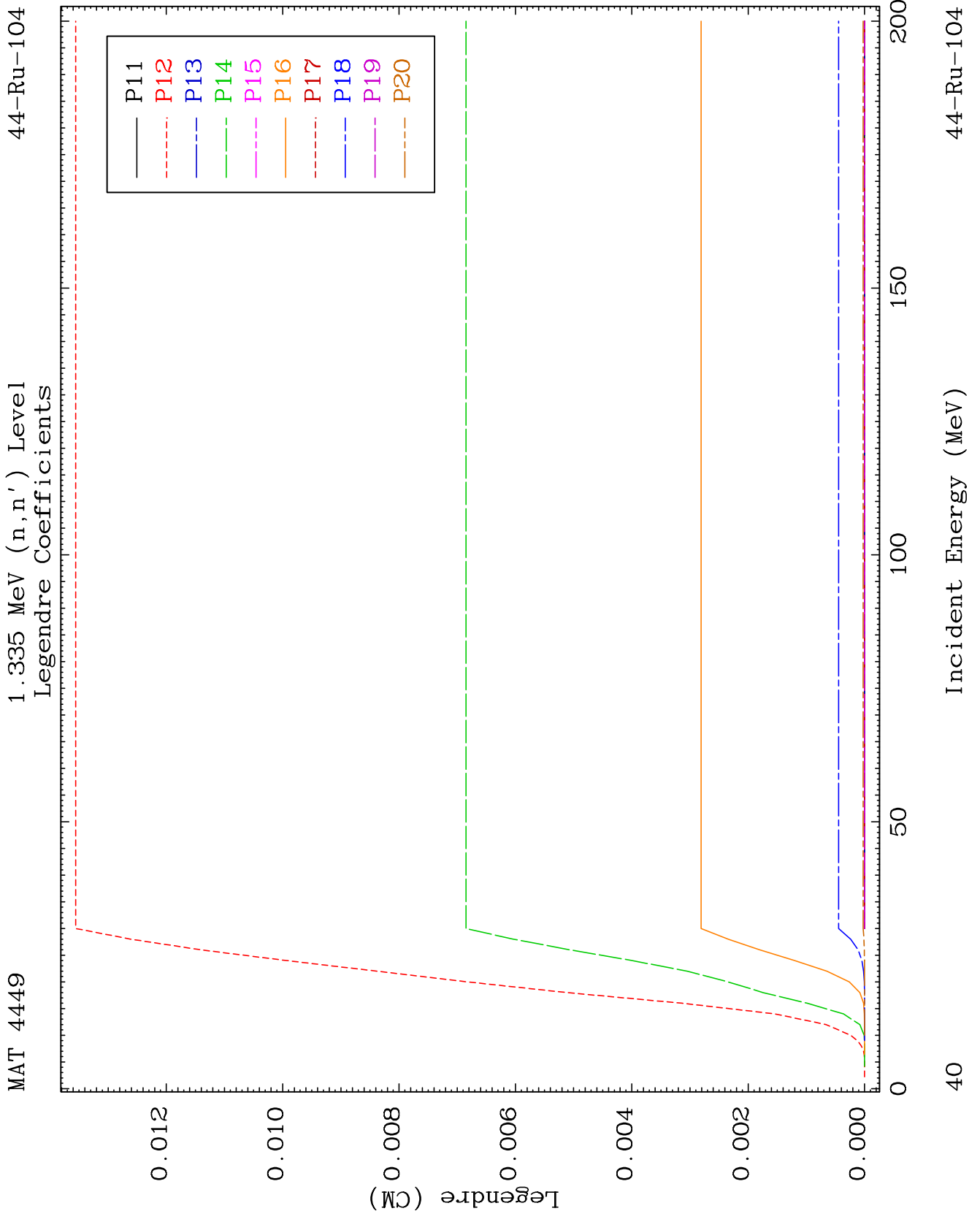
37

Incident Energy (MeV)

44-Ru-104



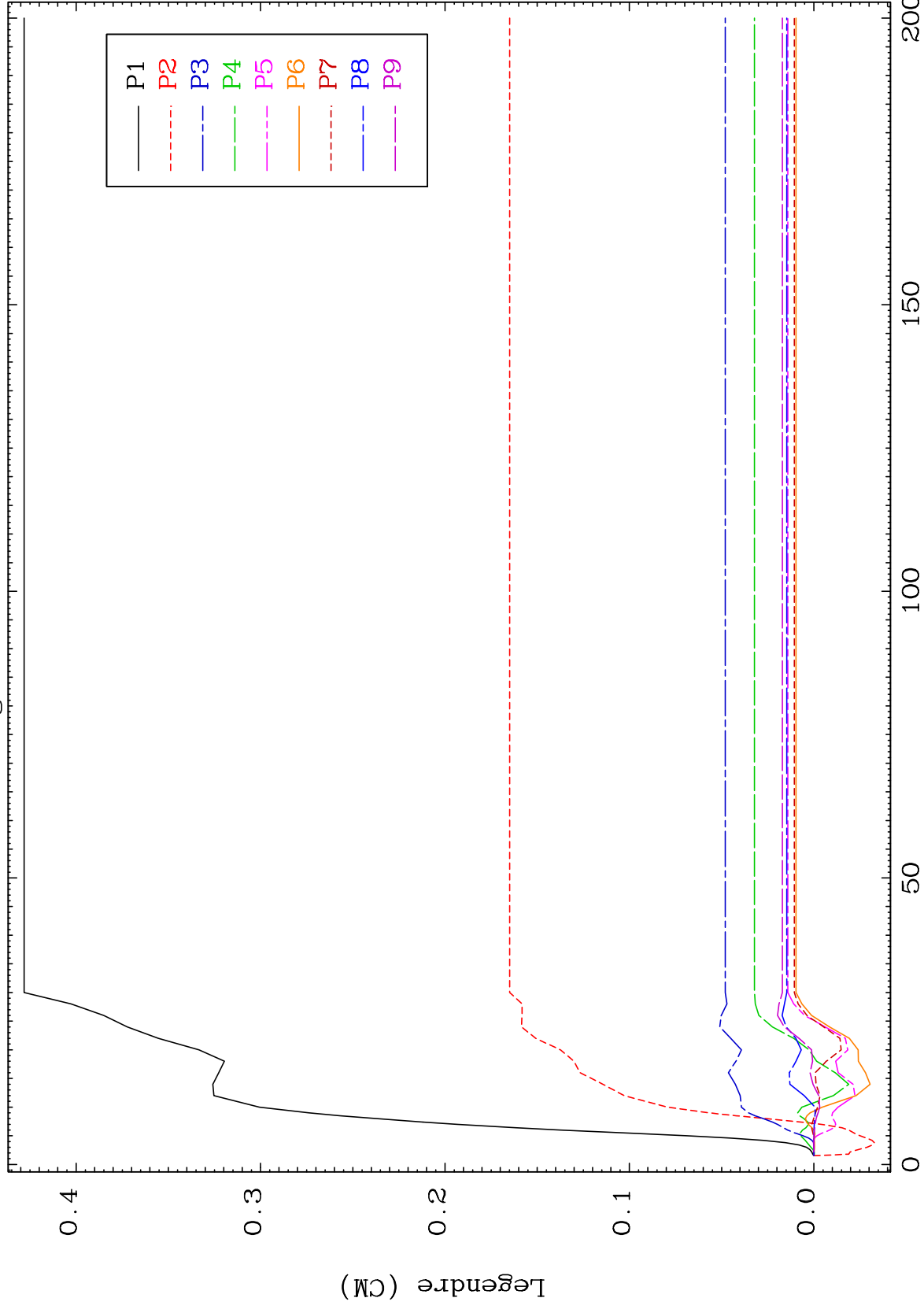




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1.503 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



44-Ru-104

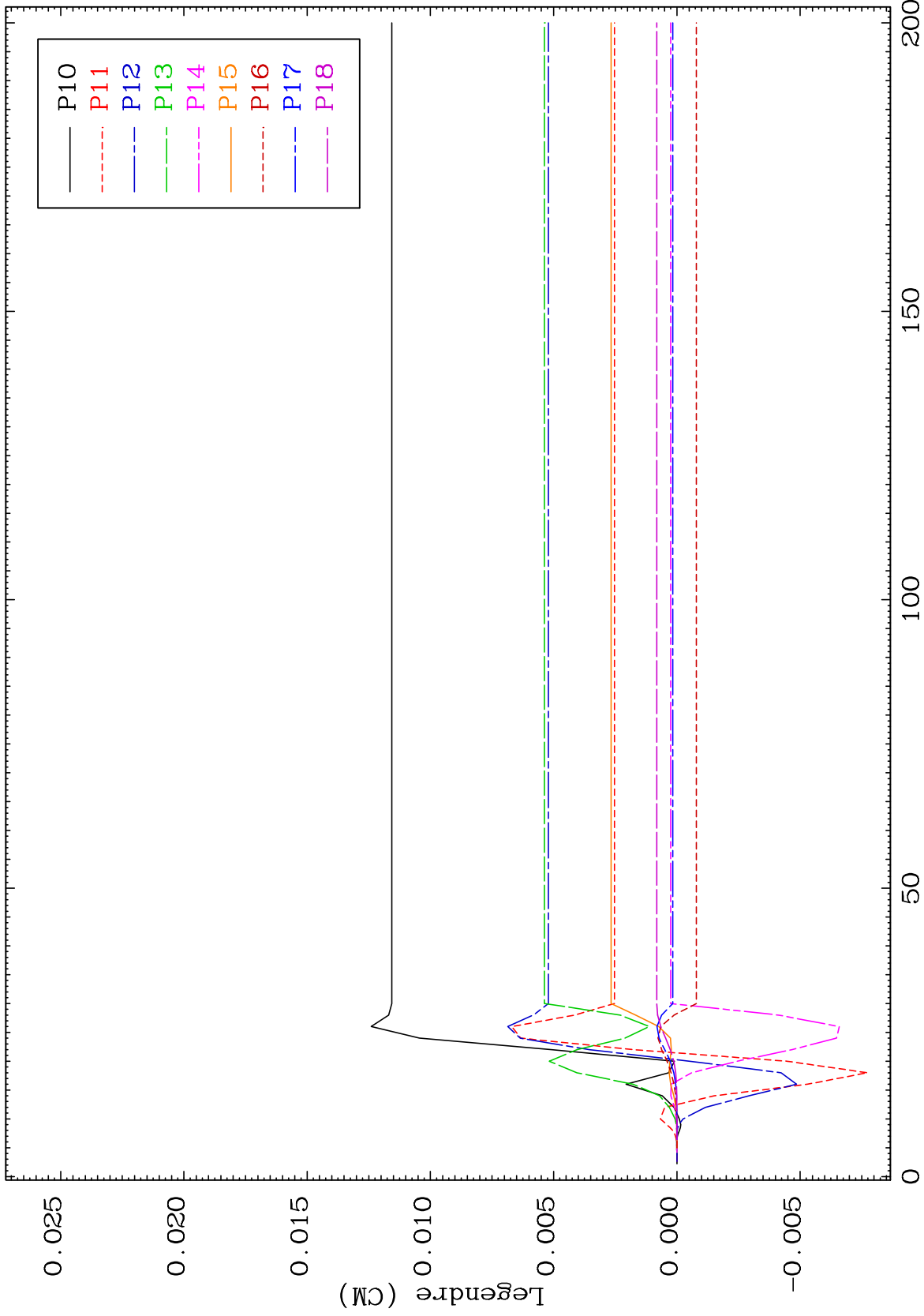
Incident Energy (MeV)

42

MAT 4449

1.503 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



43

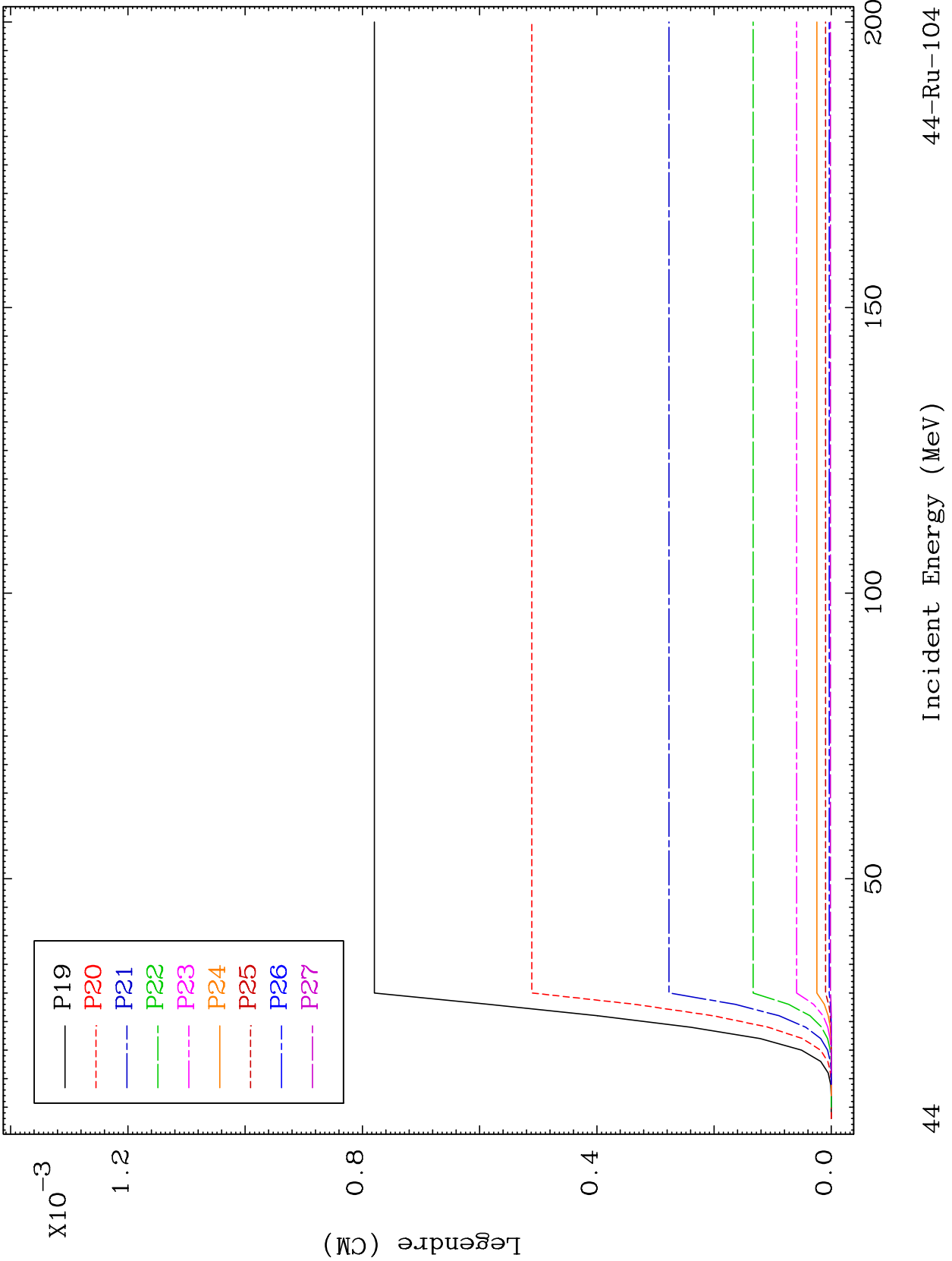
Incident Energy (MeV)

44-Ru-104

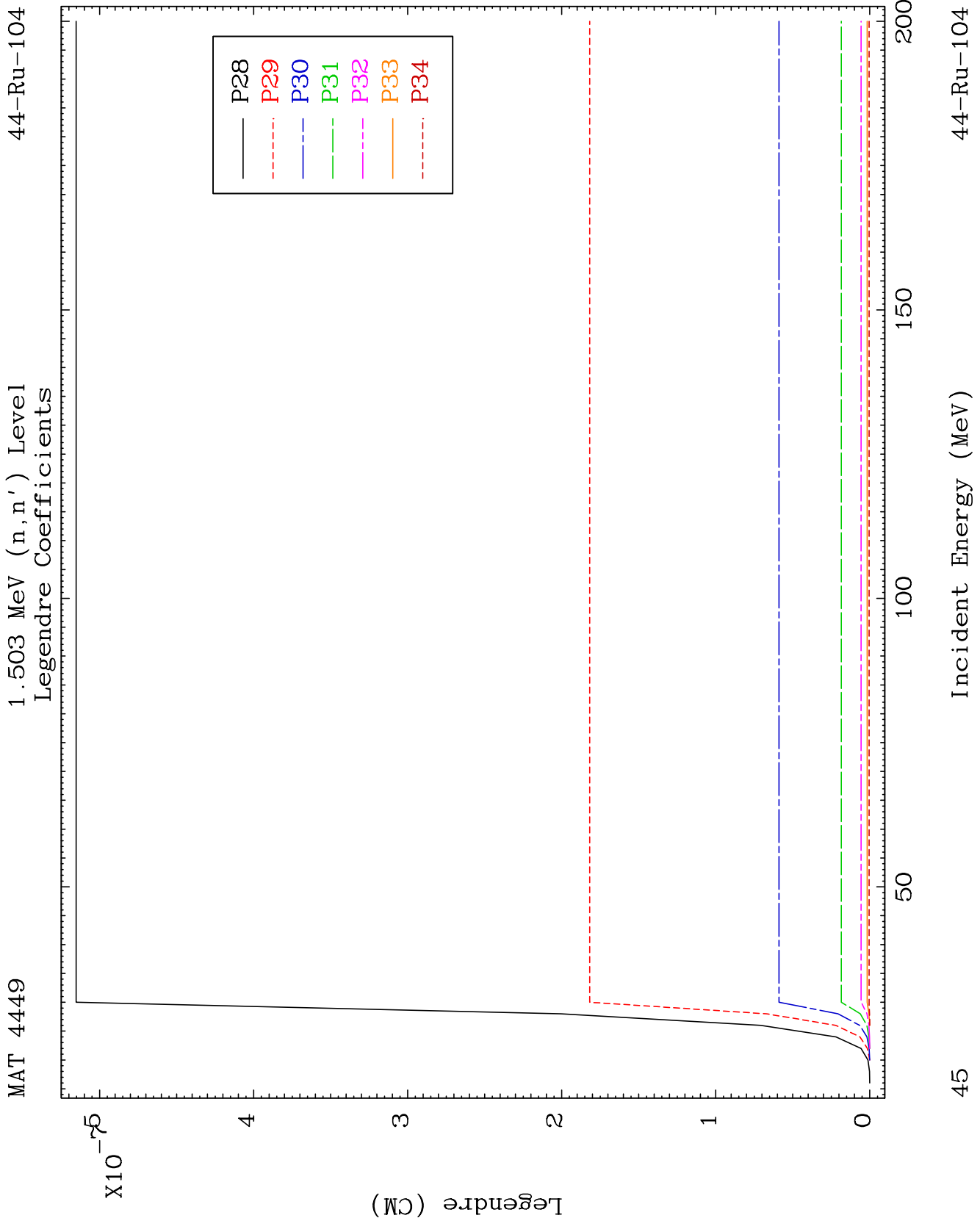
MAT 4449

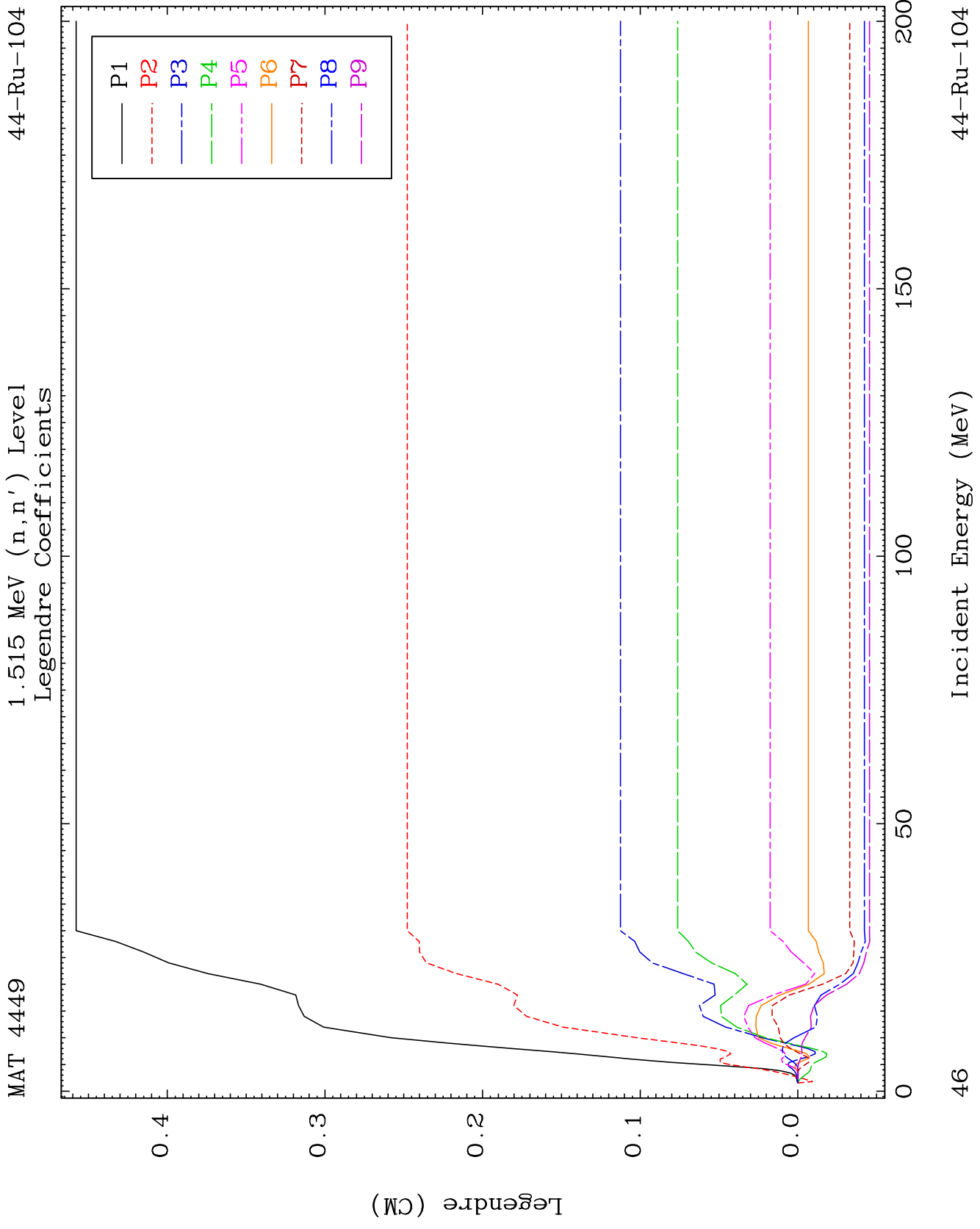
1.503 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



44

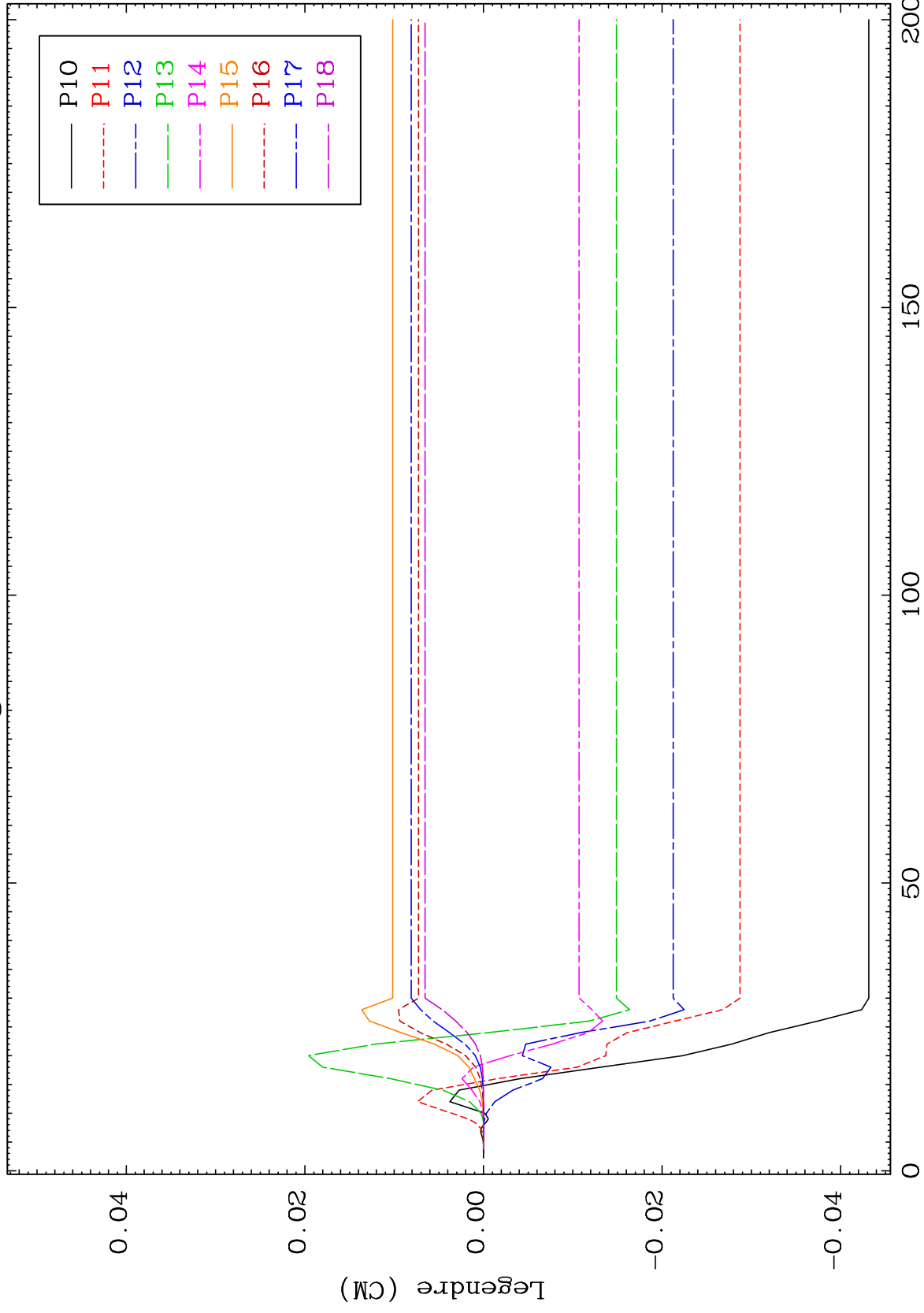




MAT 4449

1.515 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



47

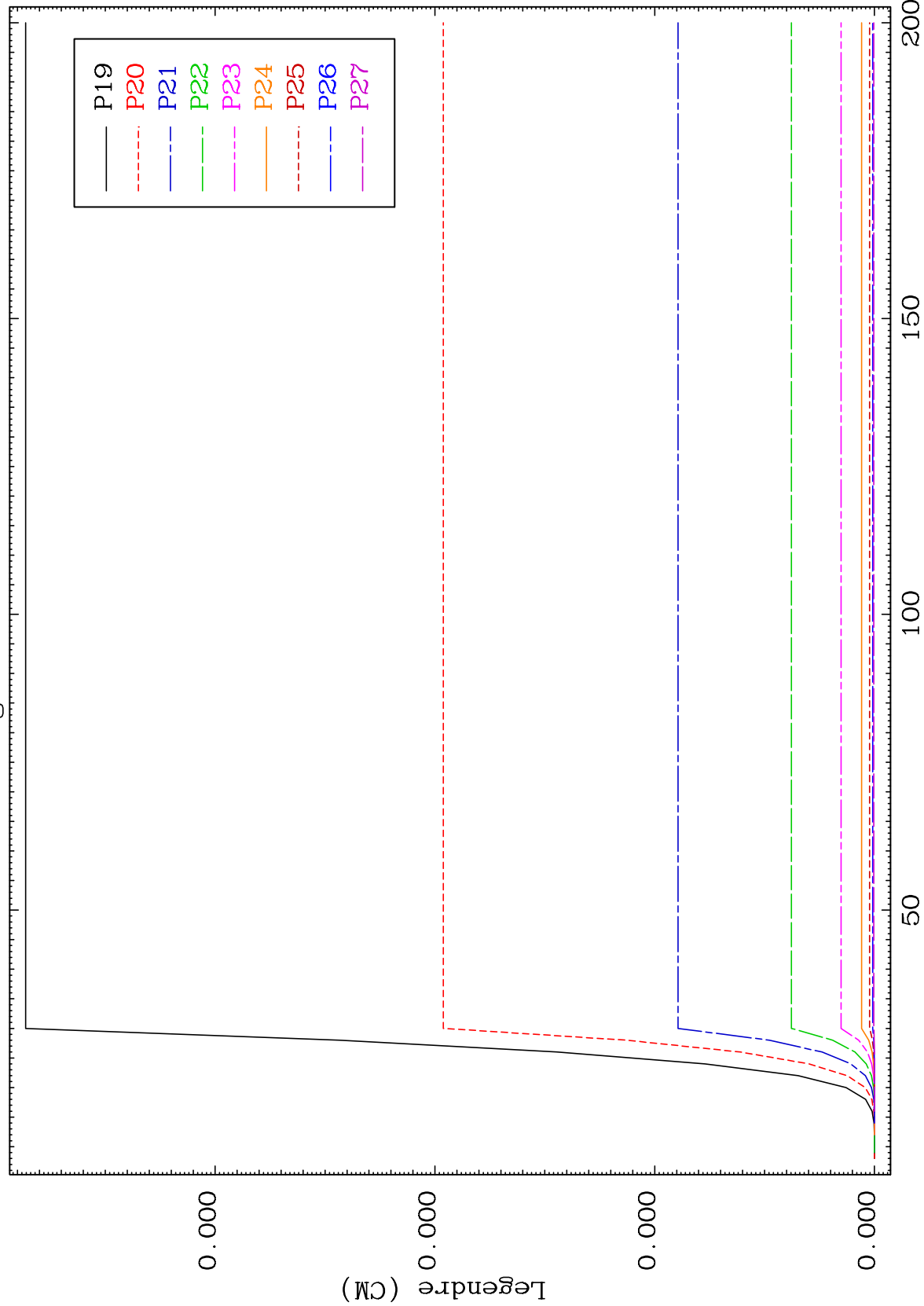
Incident Energy (MeV)

44-Ru-104

MAT 4449

1.515 MeV (n, n') Level
Legendre Coefficients

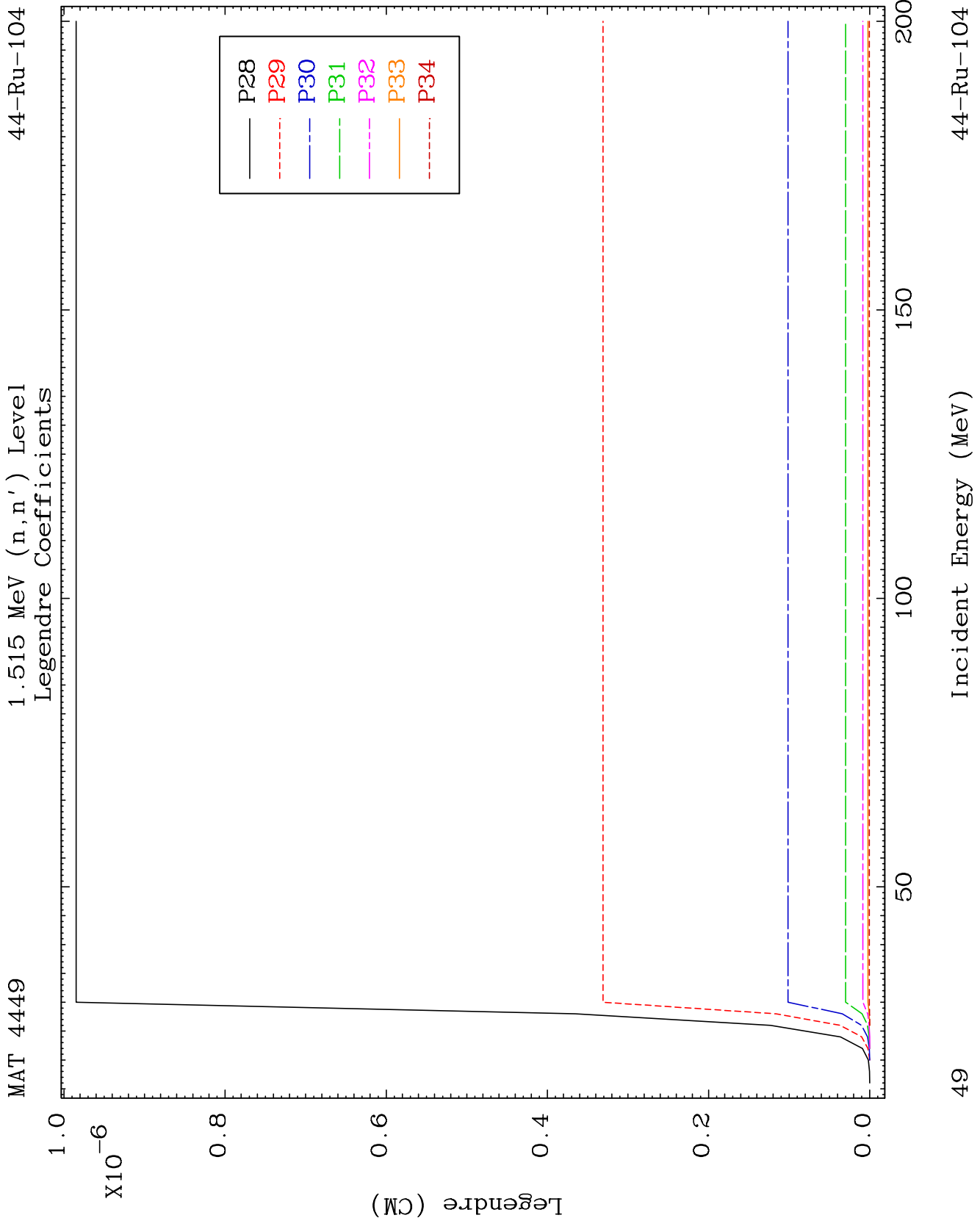
44-Ru-104



48

Incident Energy (MeV)

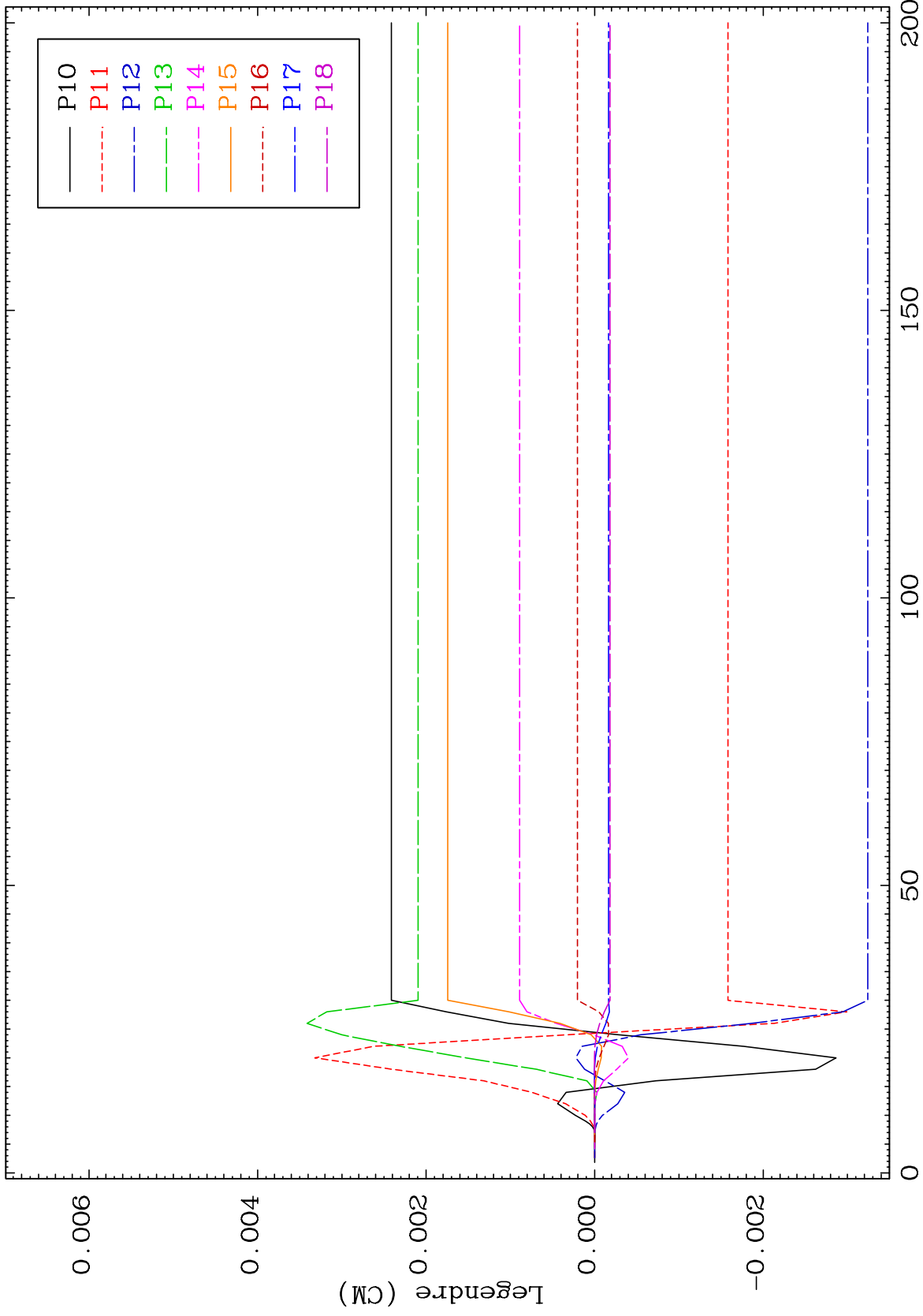
44-Ru-104



MAT 4449

1.556 MeV (n,n') Level
Legendre Coefficients

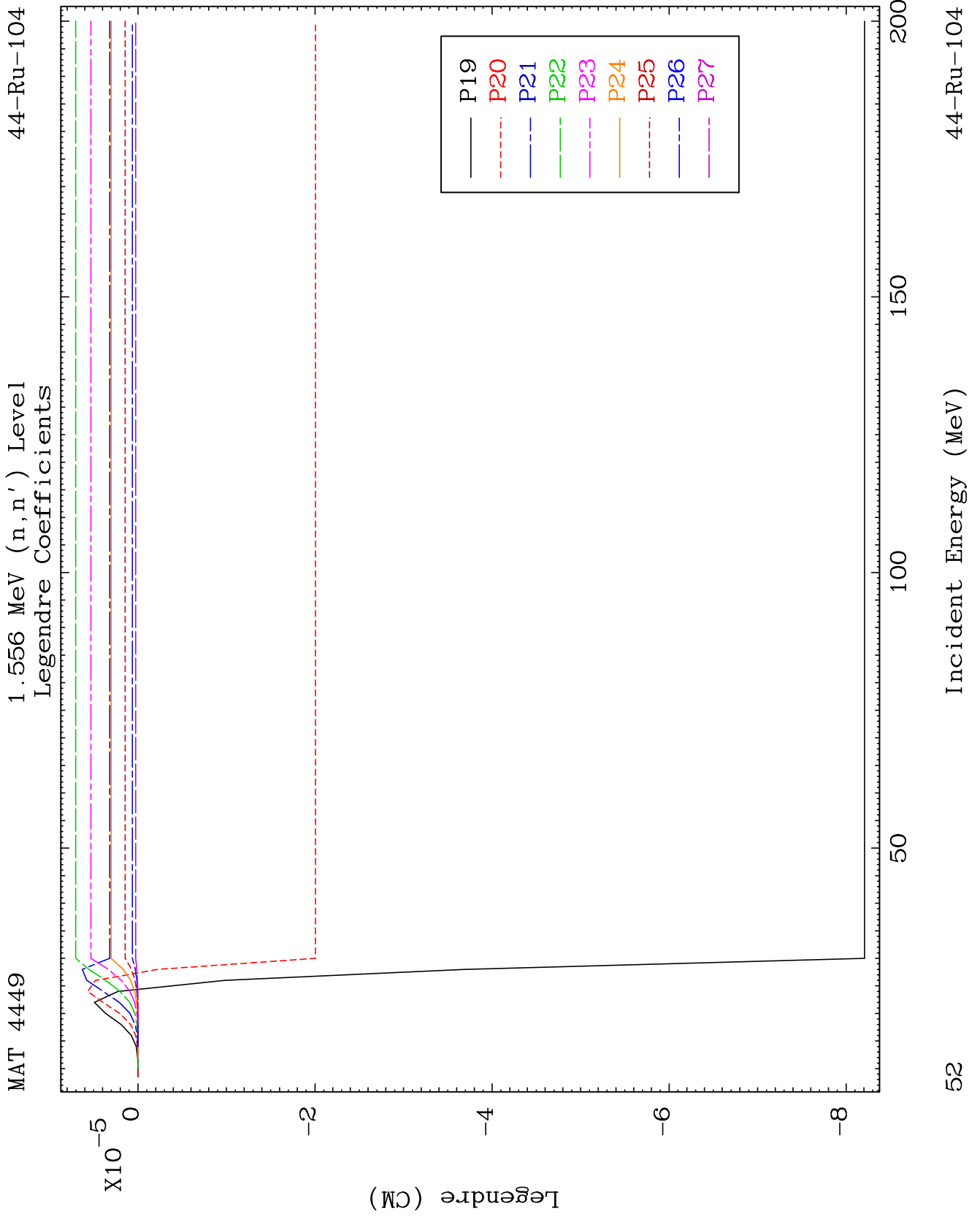
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51

Incident Energy (MeV)

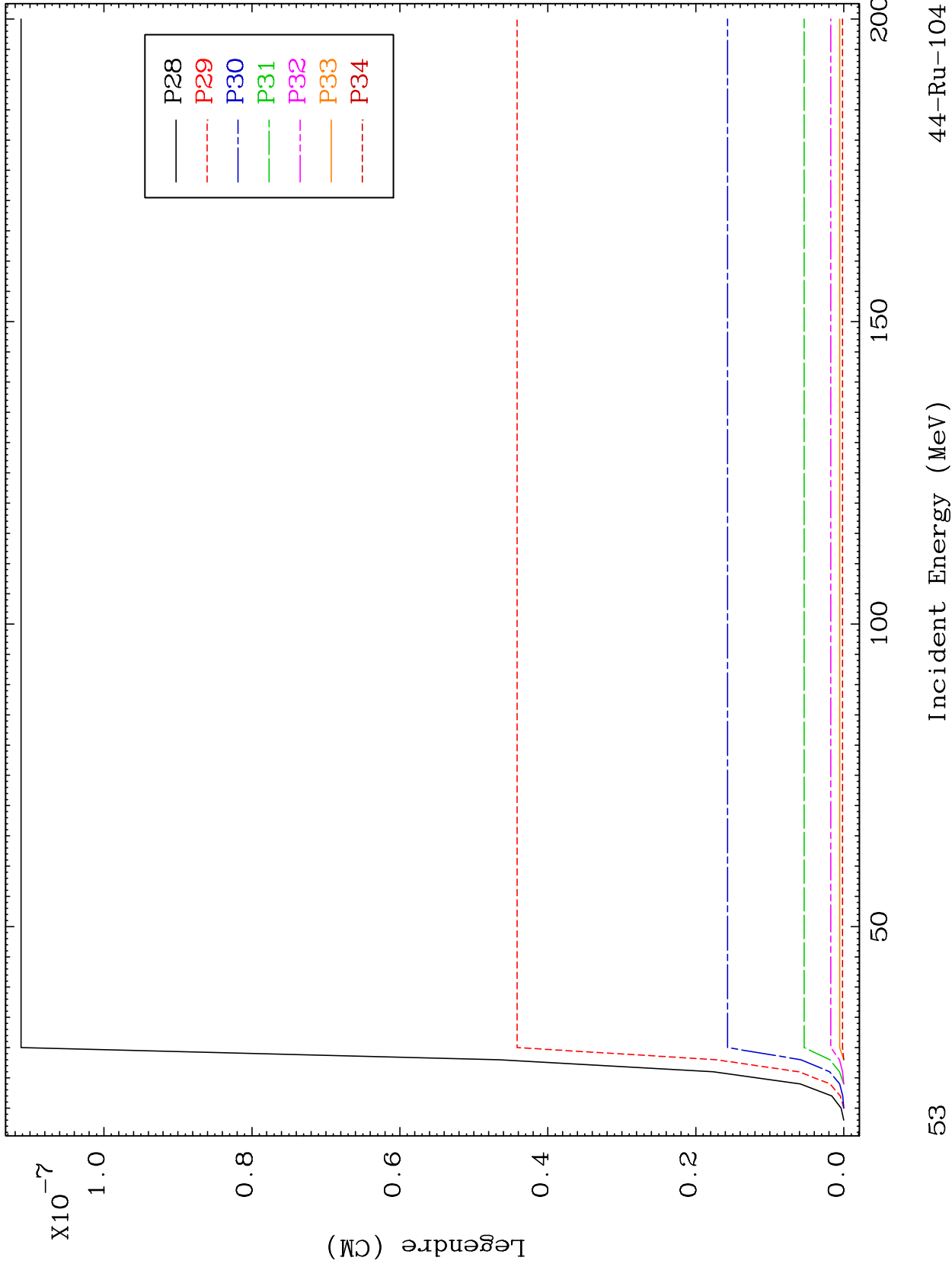
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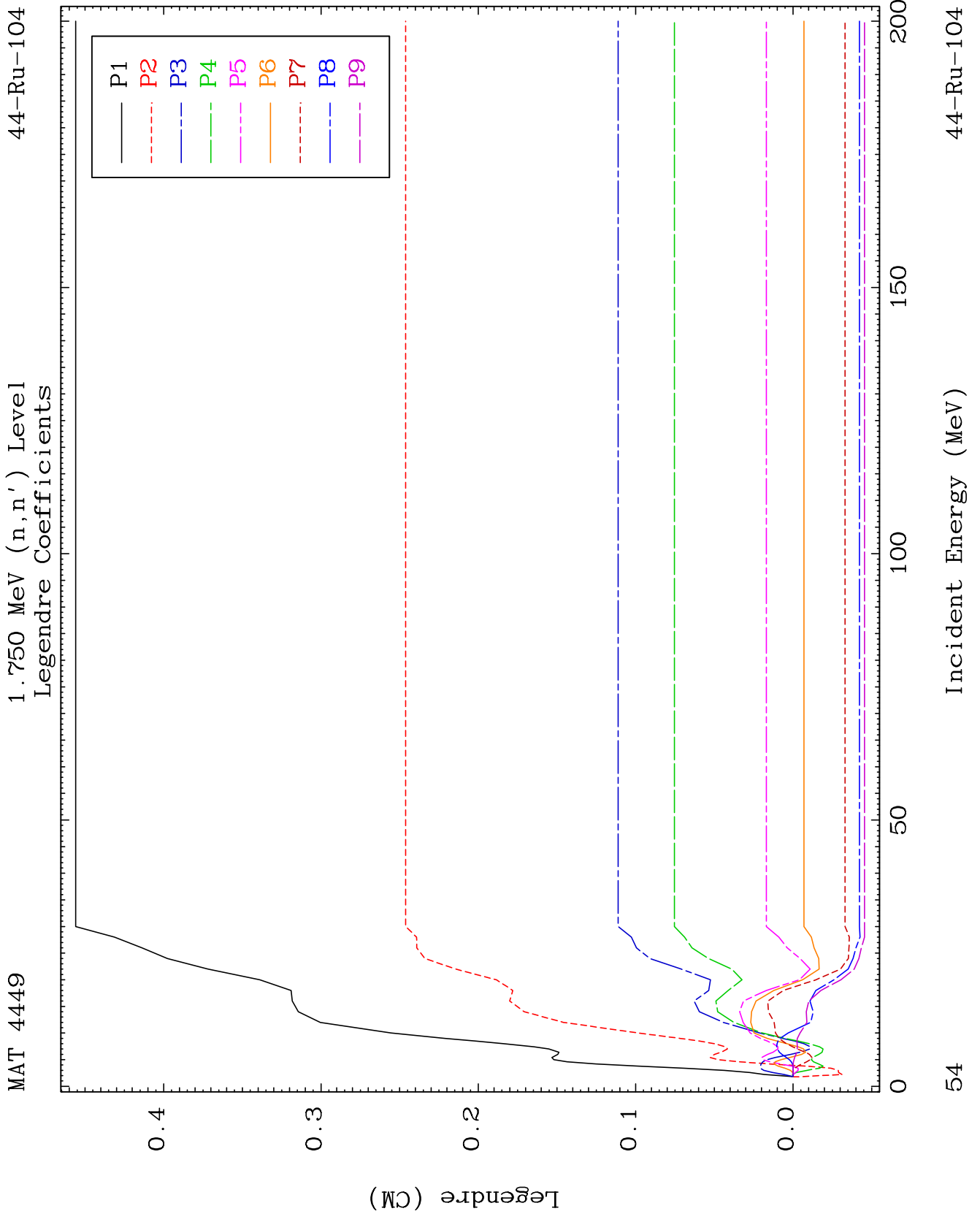
MAT 4449

1.556 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



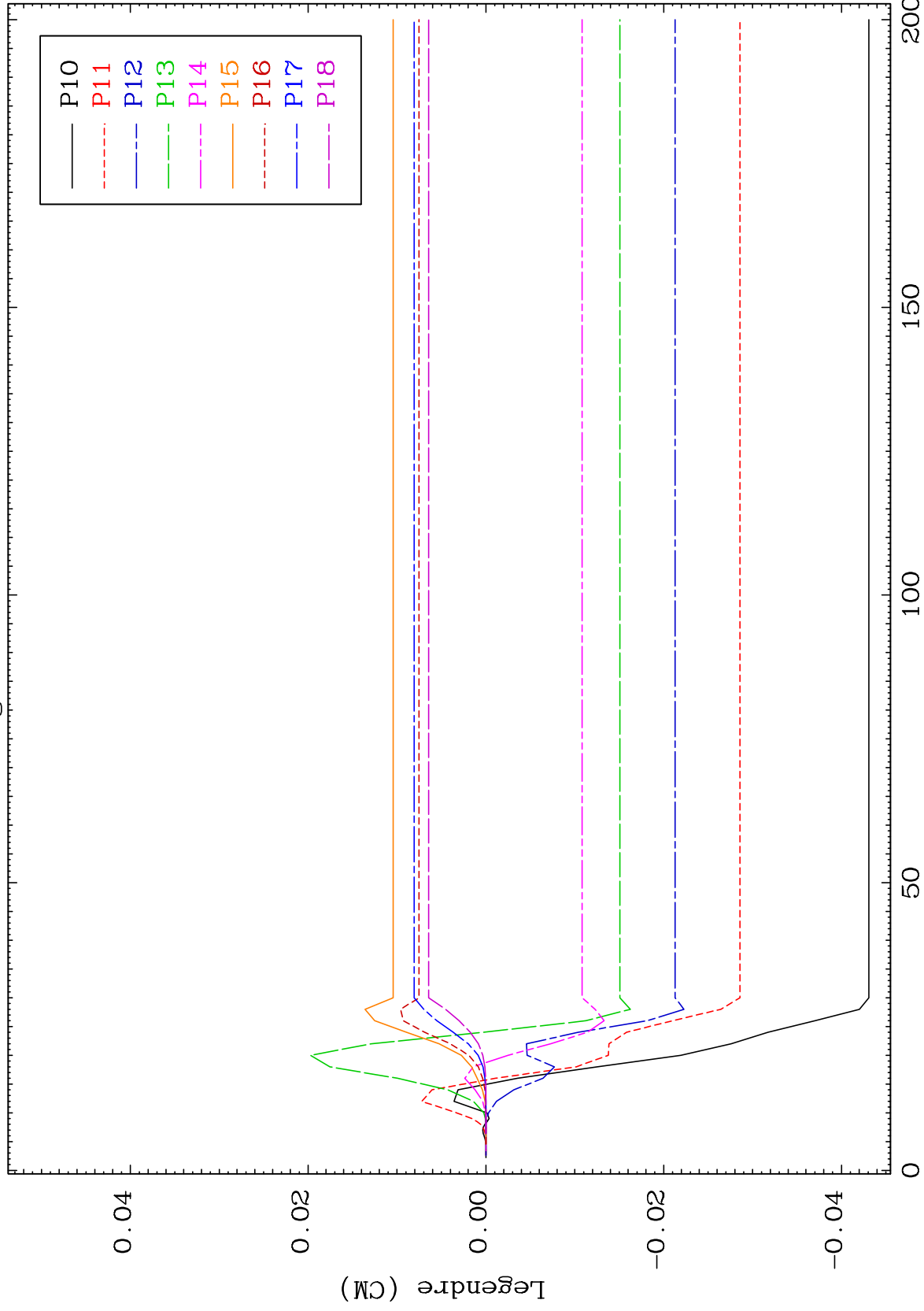
53



MAT 4449

1.750 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



55

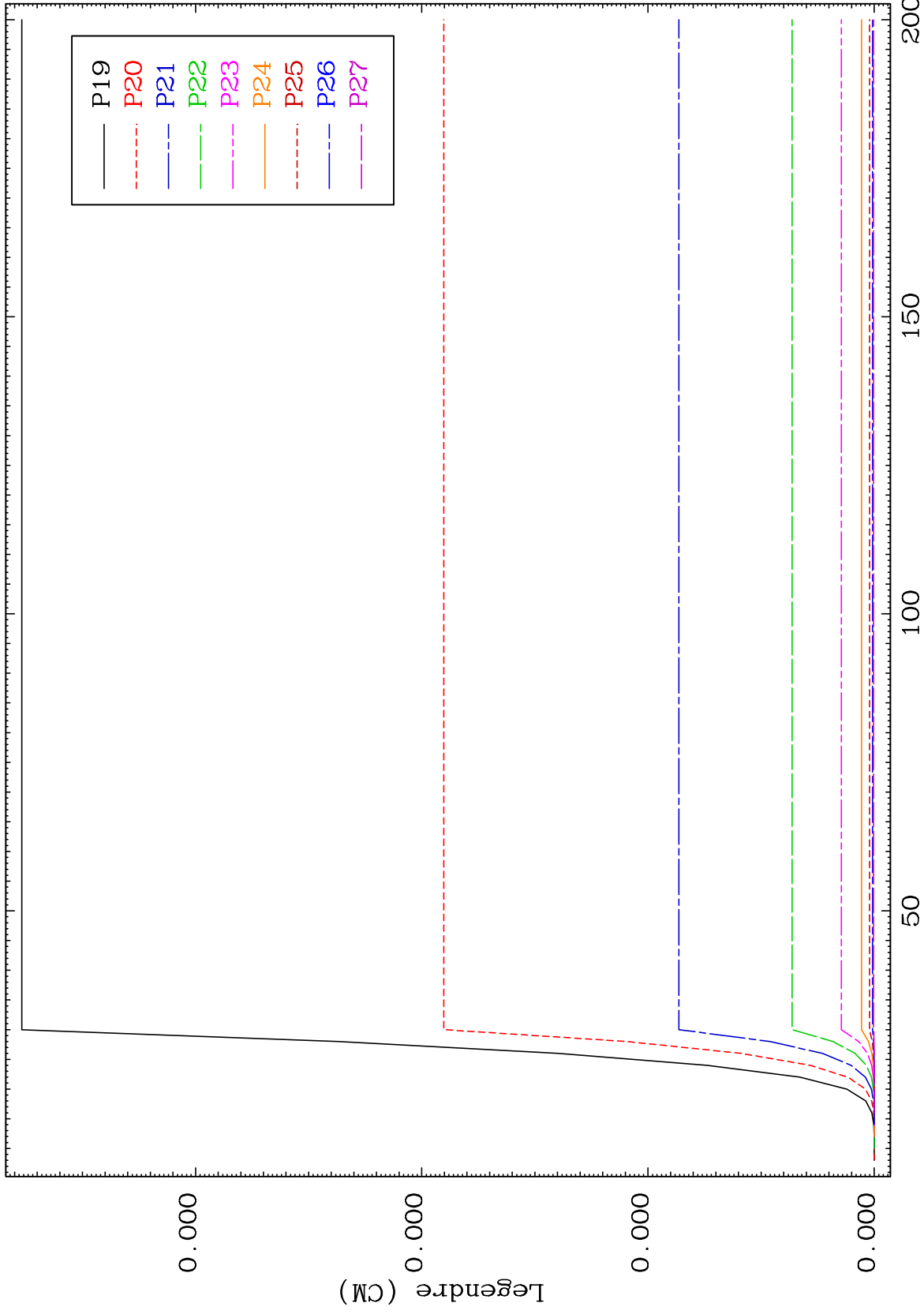
Incident Energy (MeV)

44-Ru-104

MAT 4449

1.750 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



56

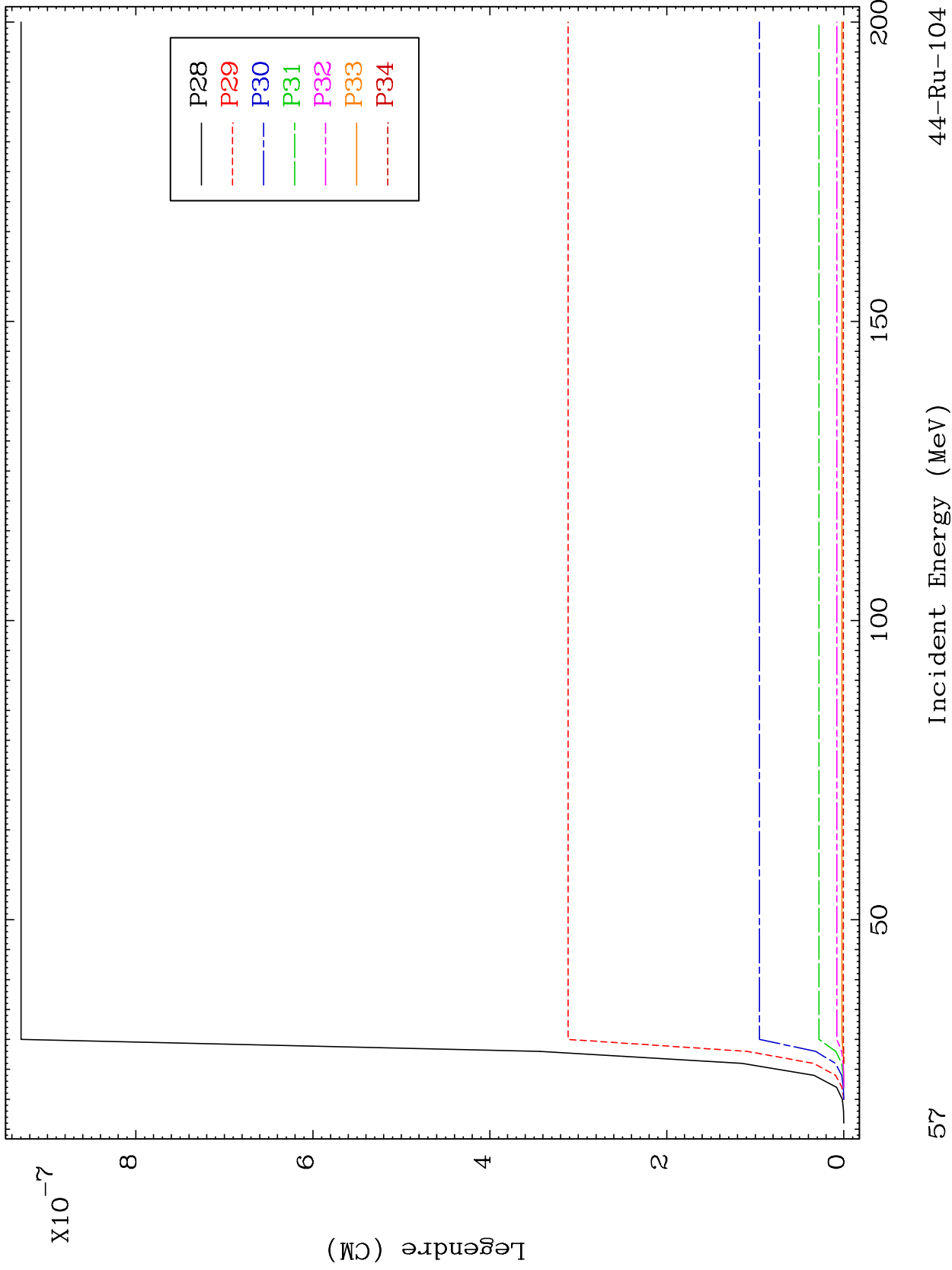
Incident Energy (MeV)

44-Ru-104

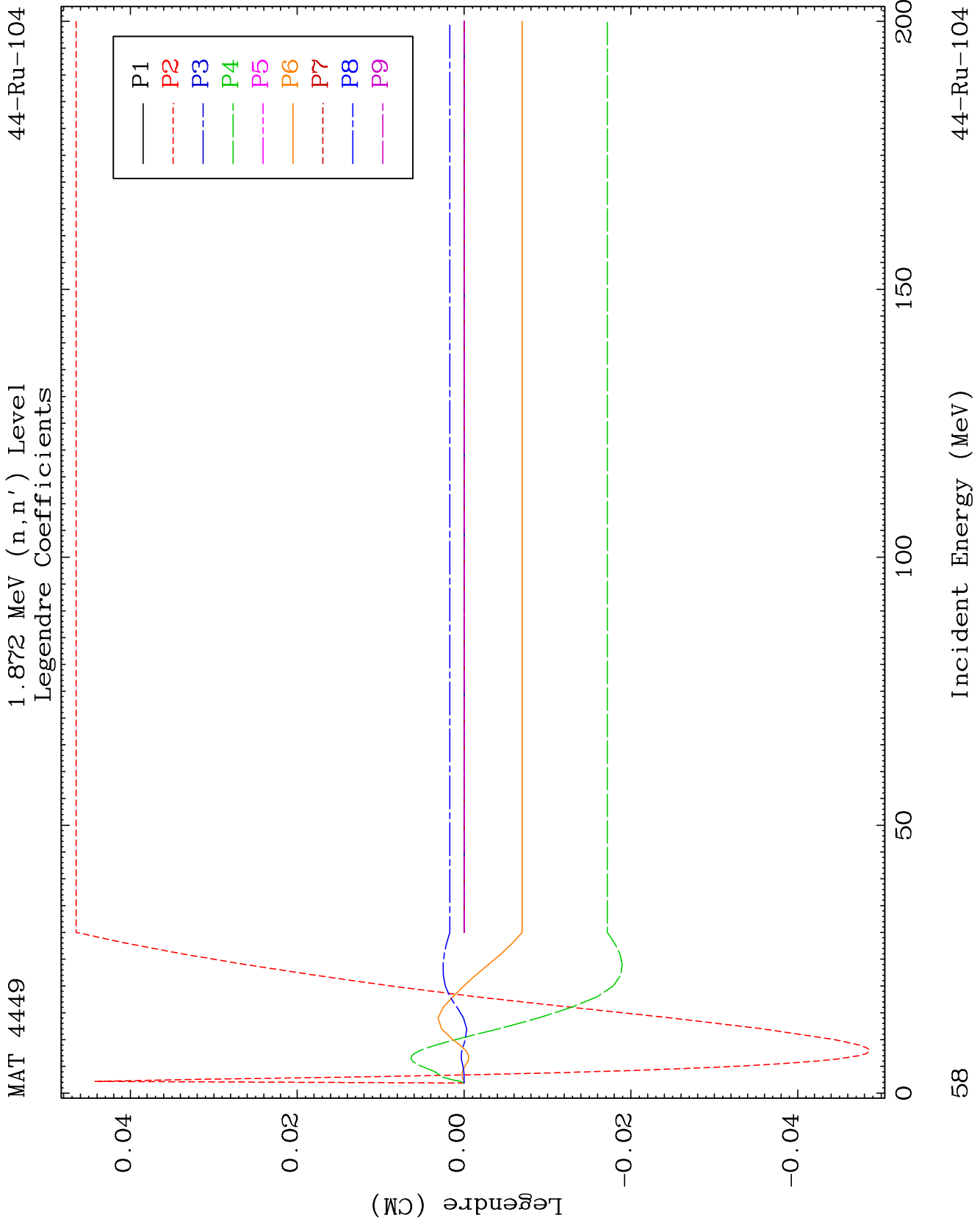
MAT 4449

1.750 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



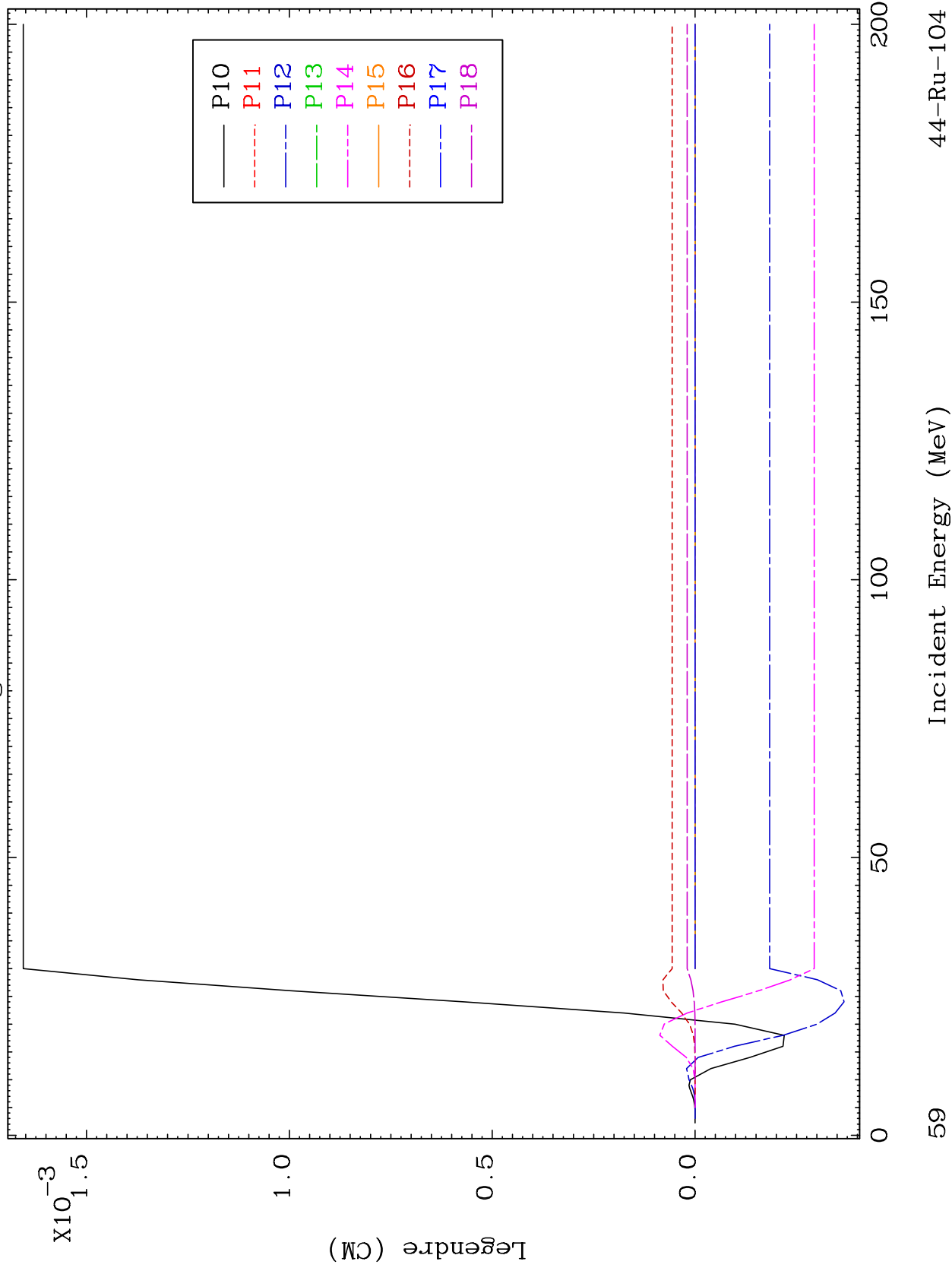
57



MAT 4449

1.872 MeV (n,n') Level
Legendre Coefficients

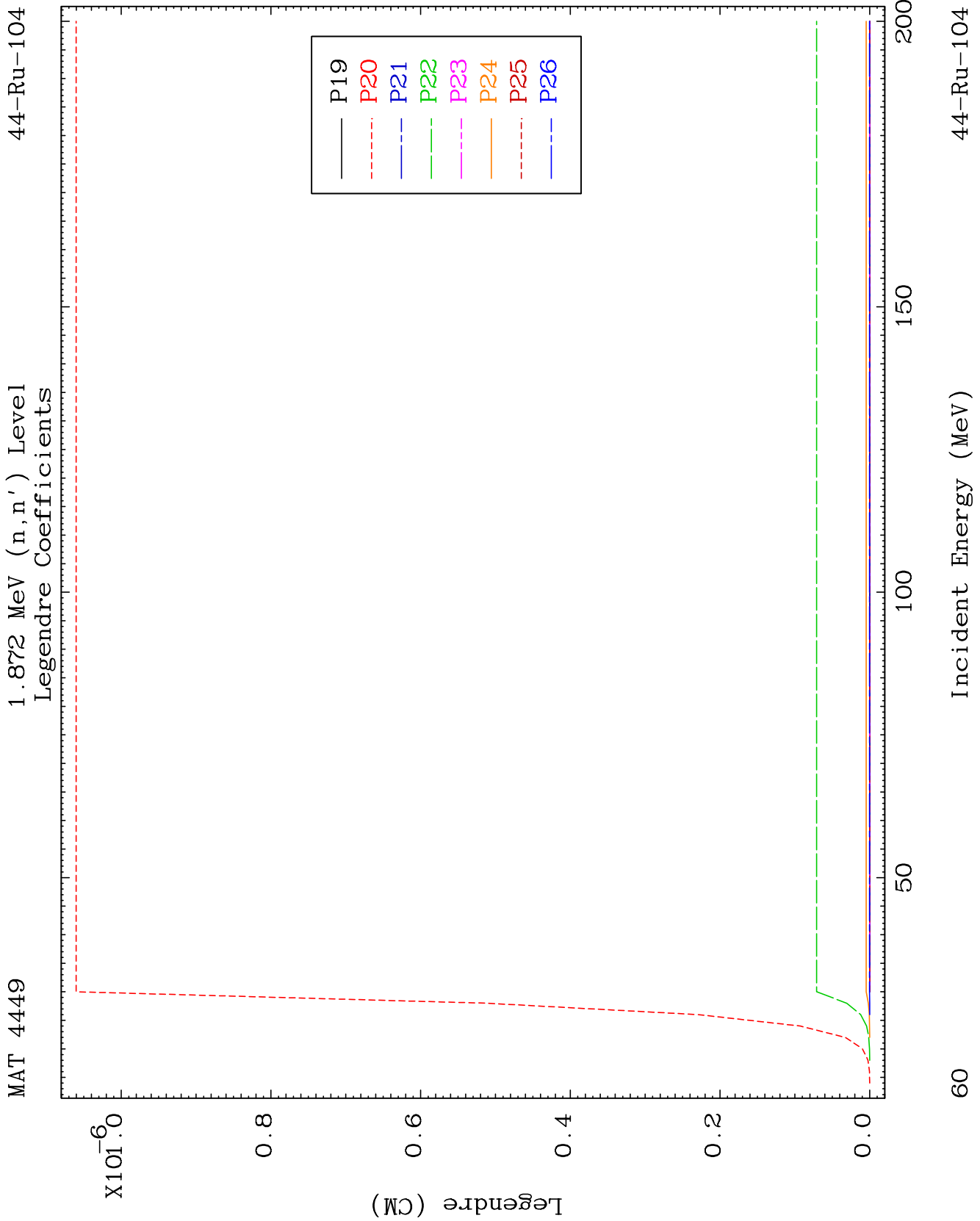
44-Ru-104



44-Ru-104

Incident Energy (MeV)

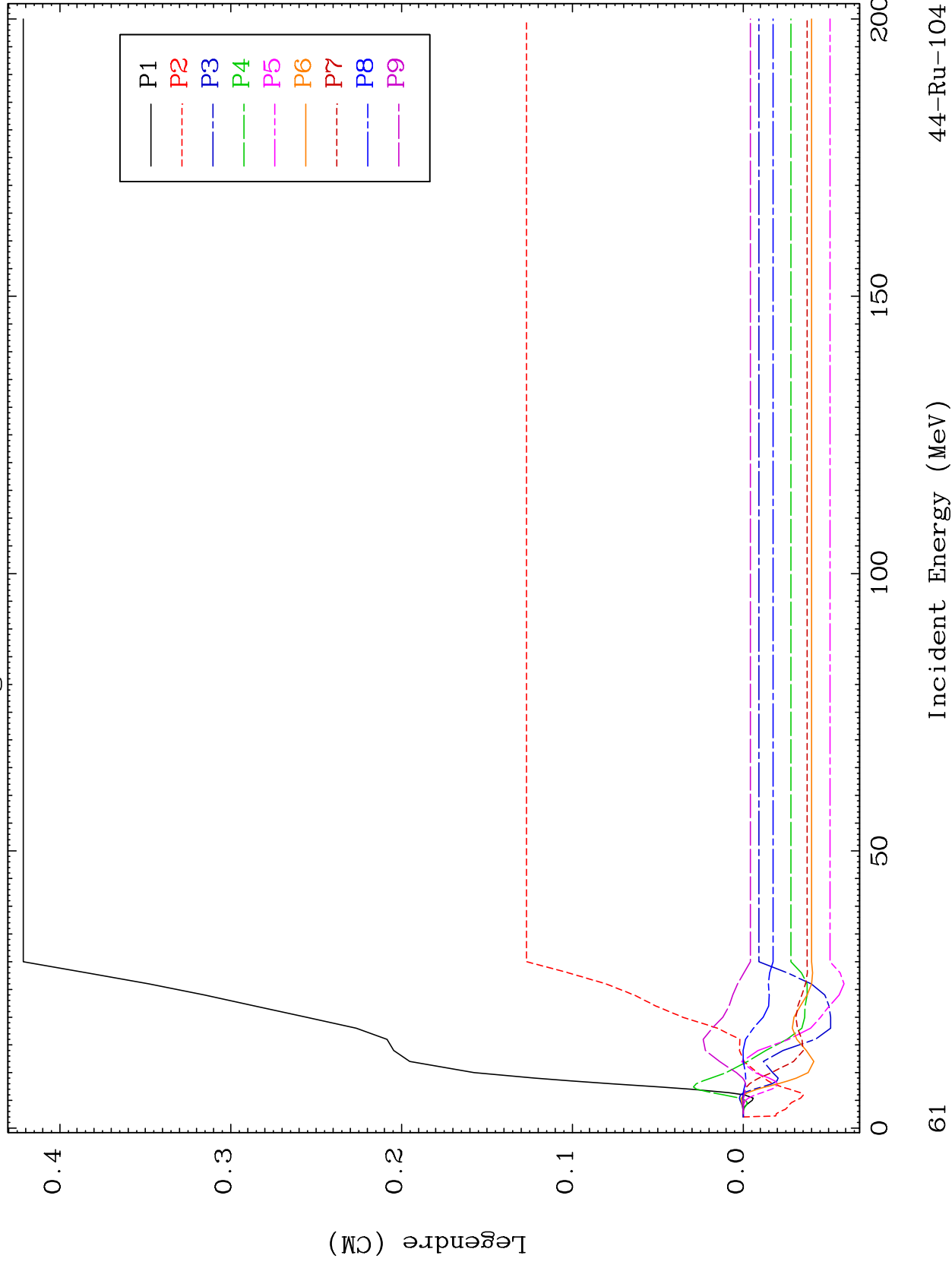
59



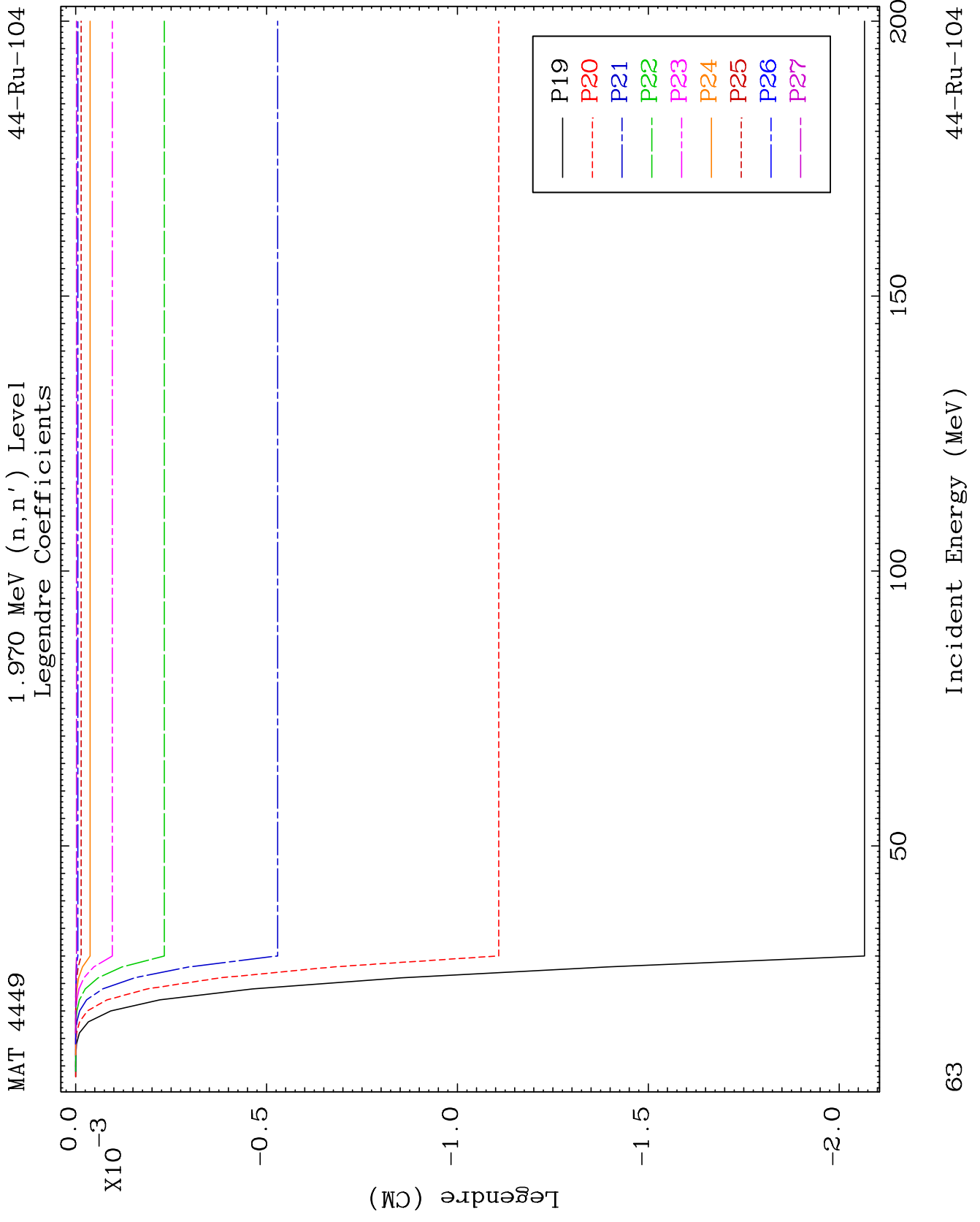
MAT 4449

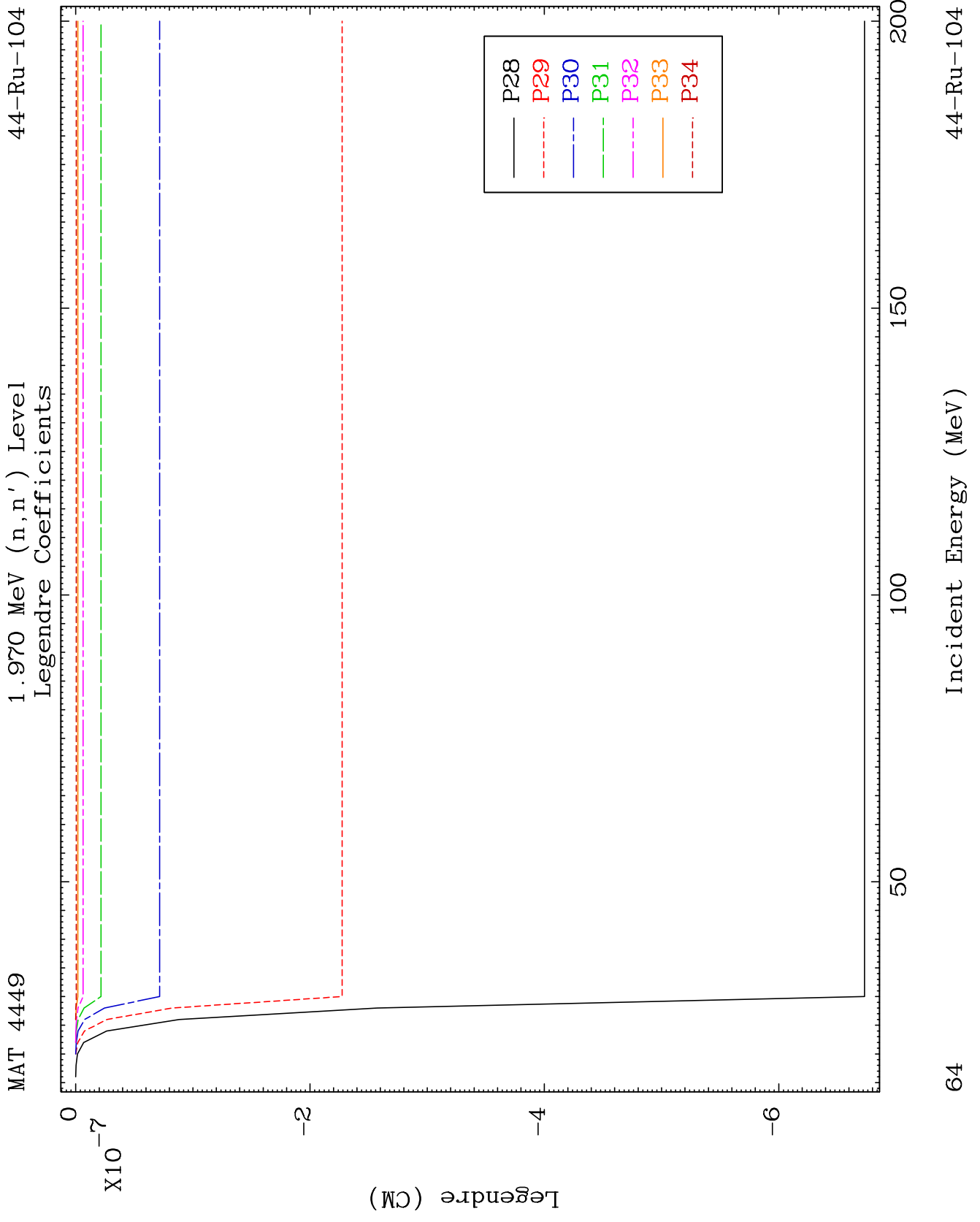
1.970 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



61

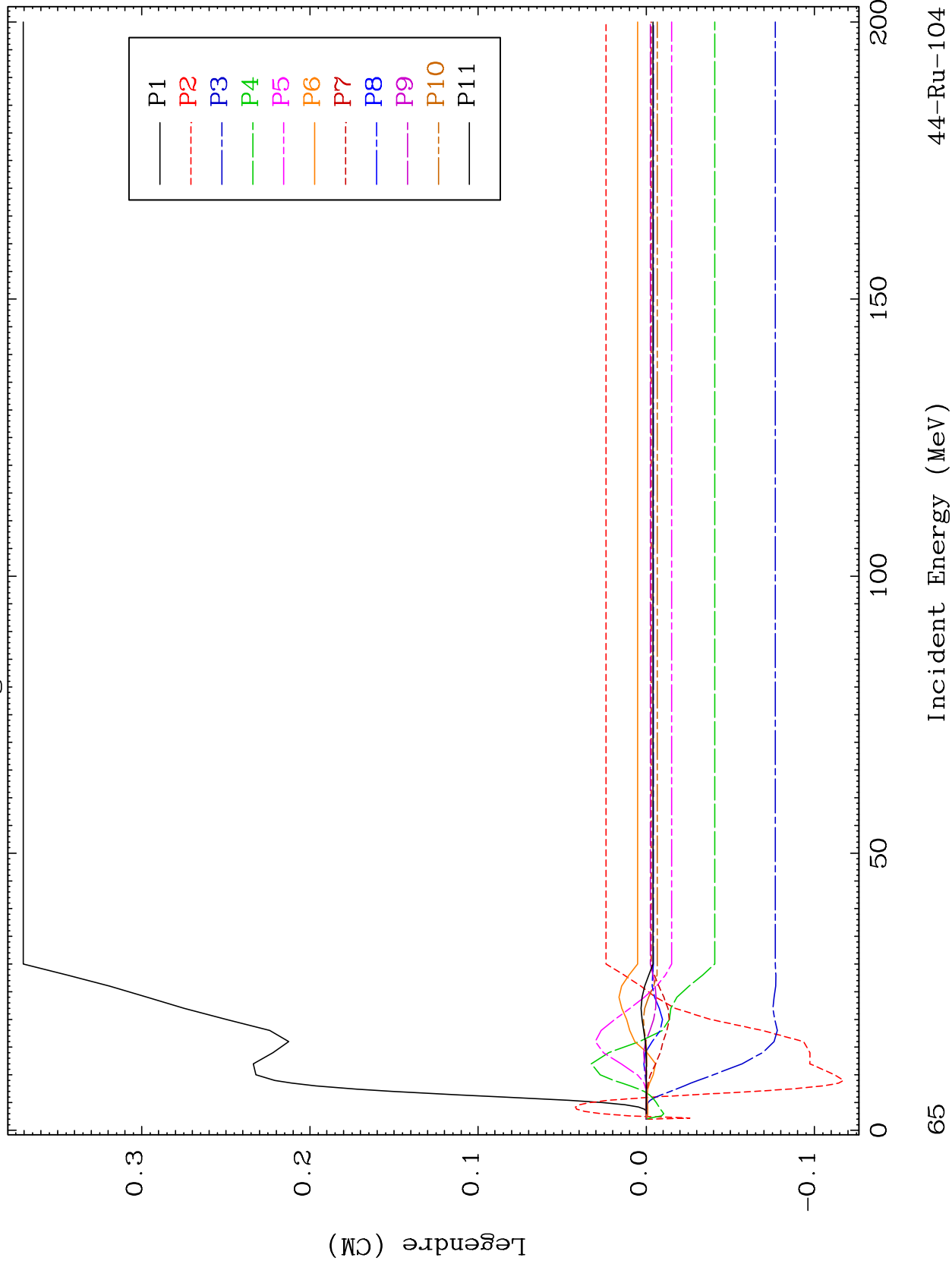




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1.975 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



44-Ru-104

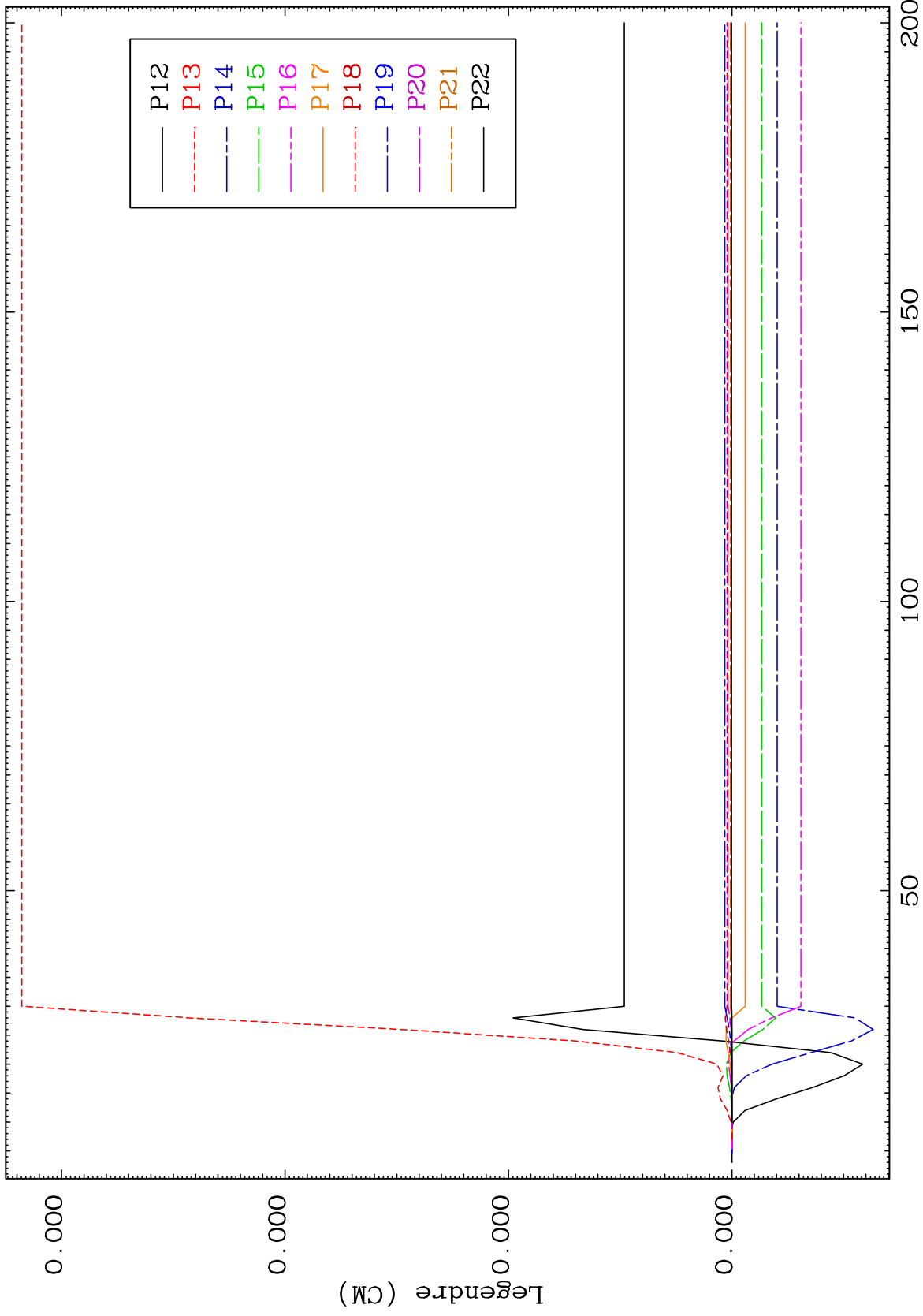
Incident Energy (MeV)

65

MAT 4449

1.975 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



66

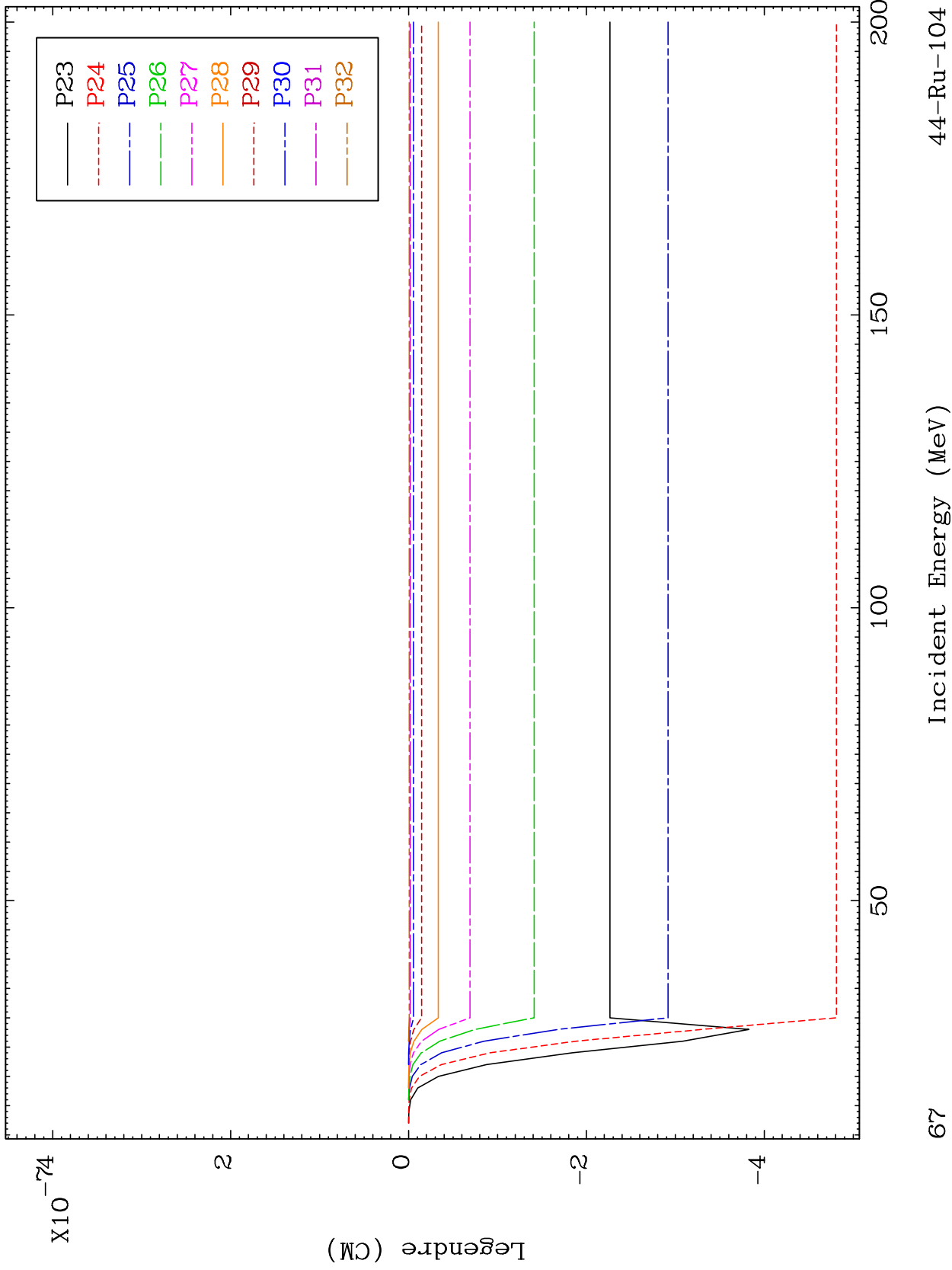
Incident Energy (MeV)

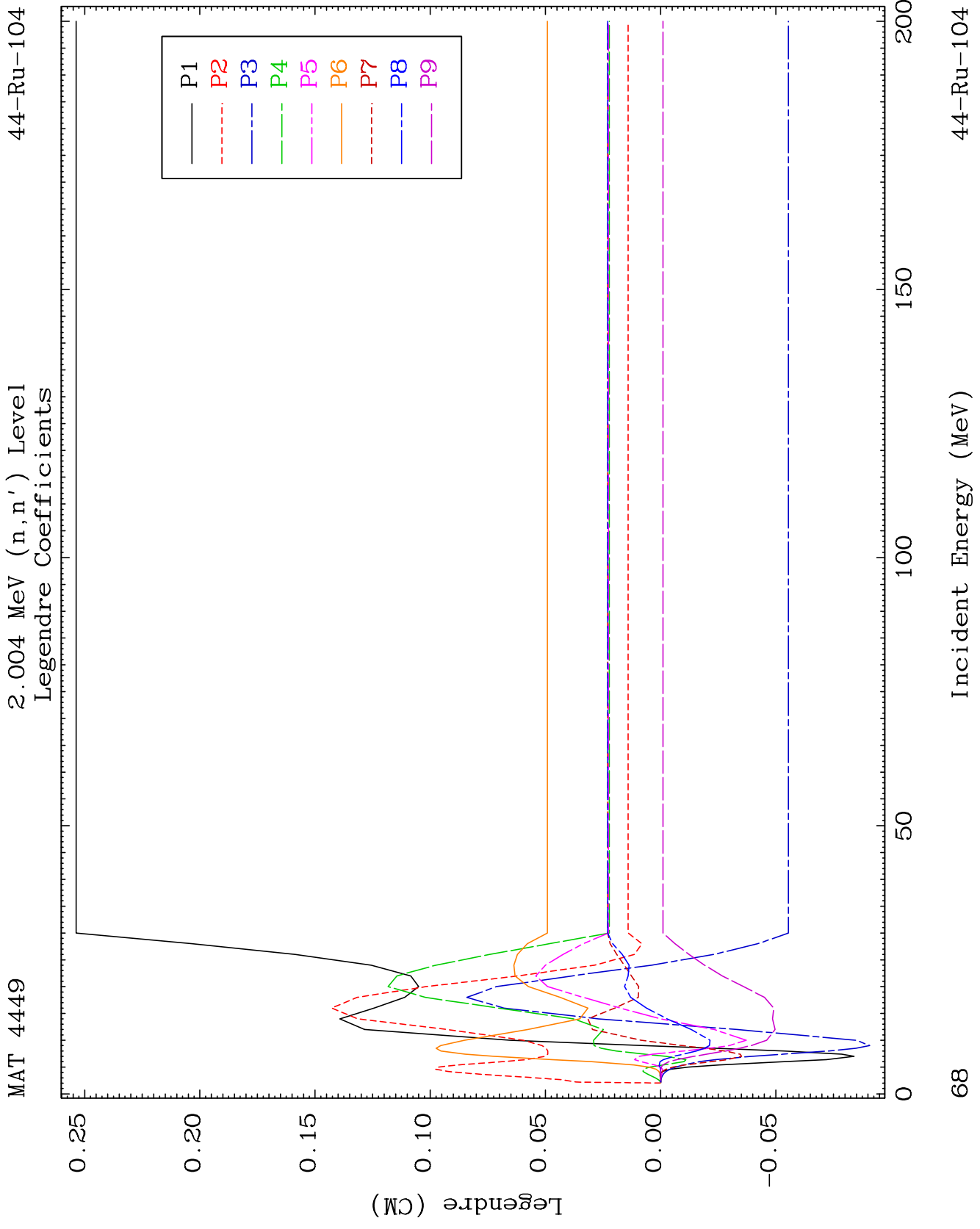
44-Ru-104

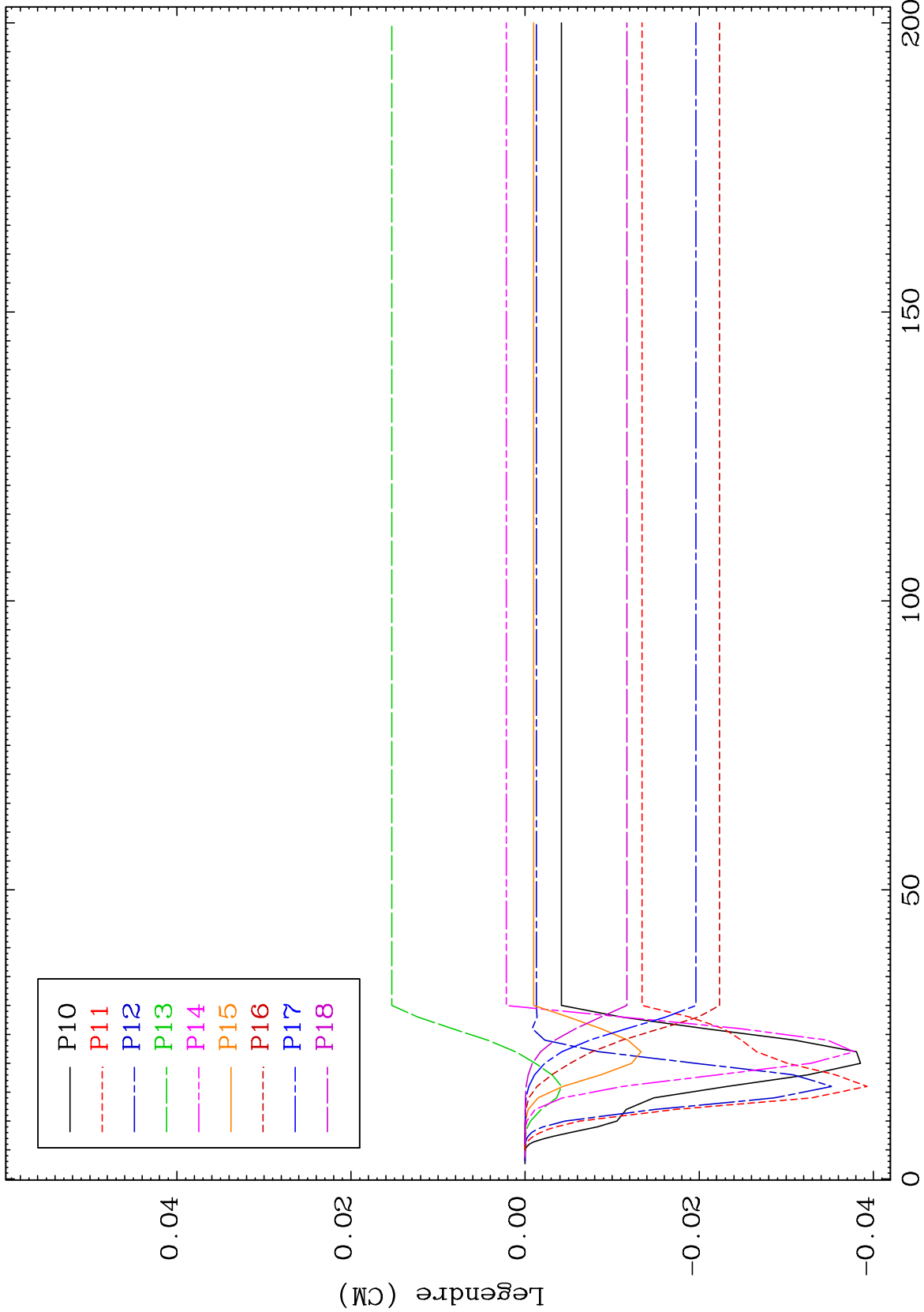
MAT 4449

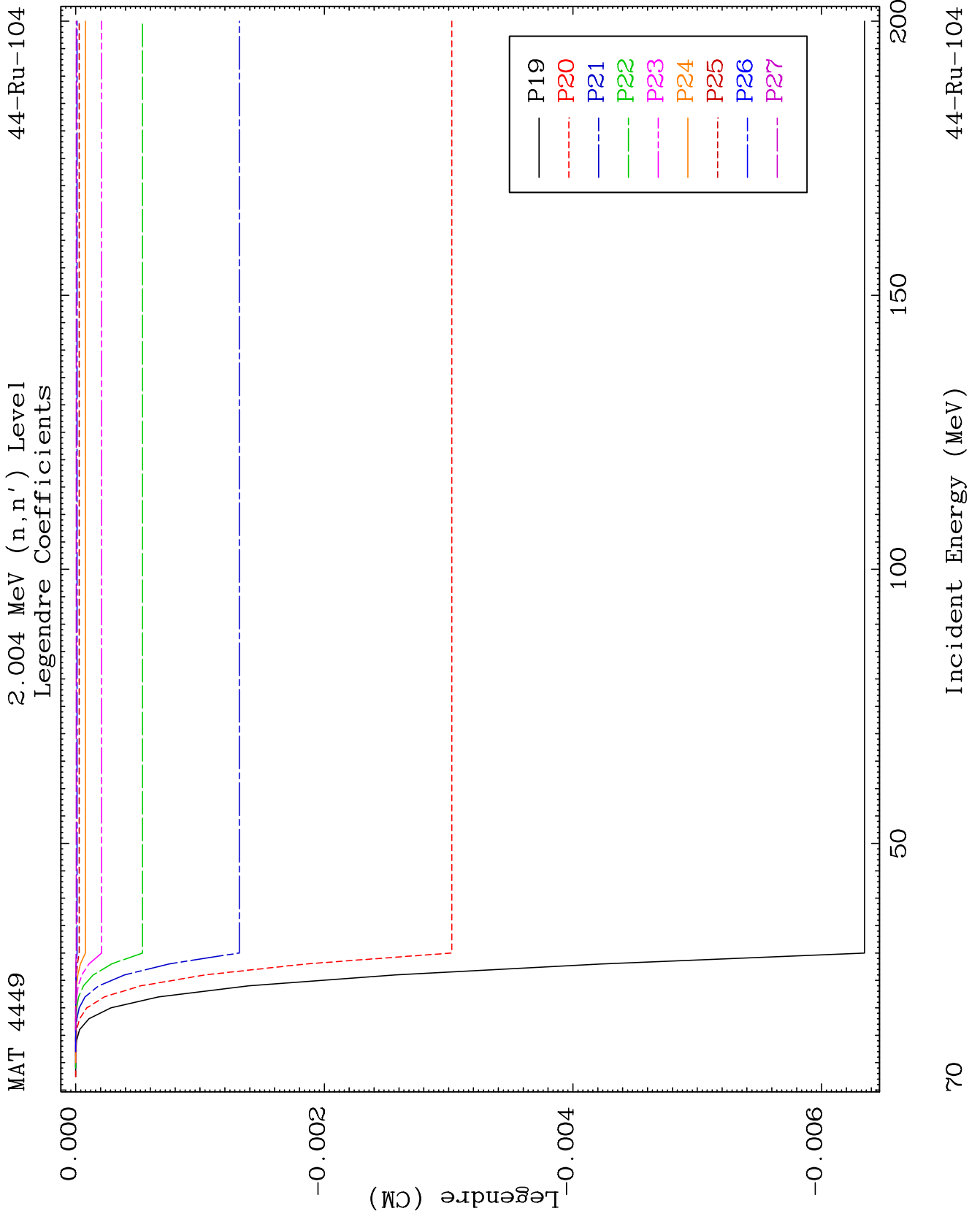
1.975 MeV (n,n') Level
Legendre Coefficients

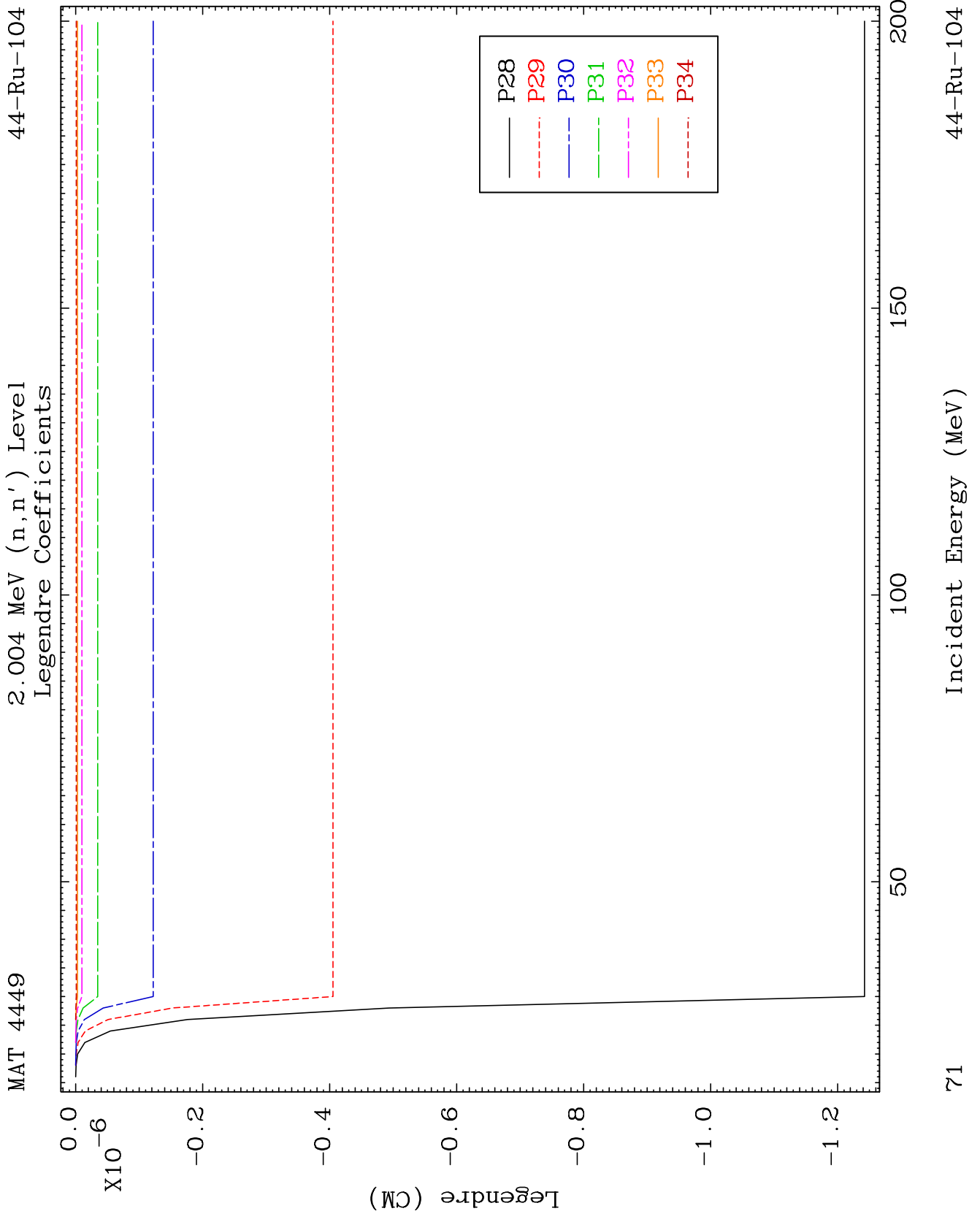
44-Ru-104

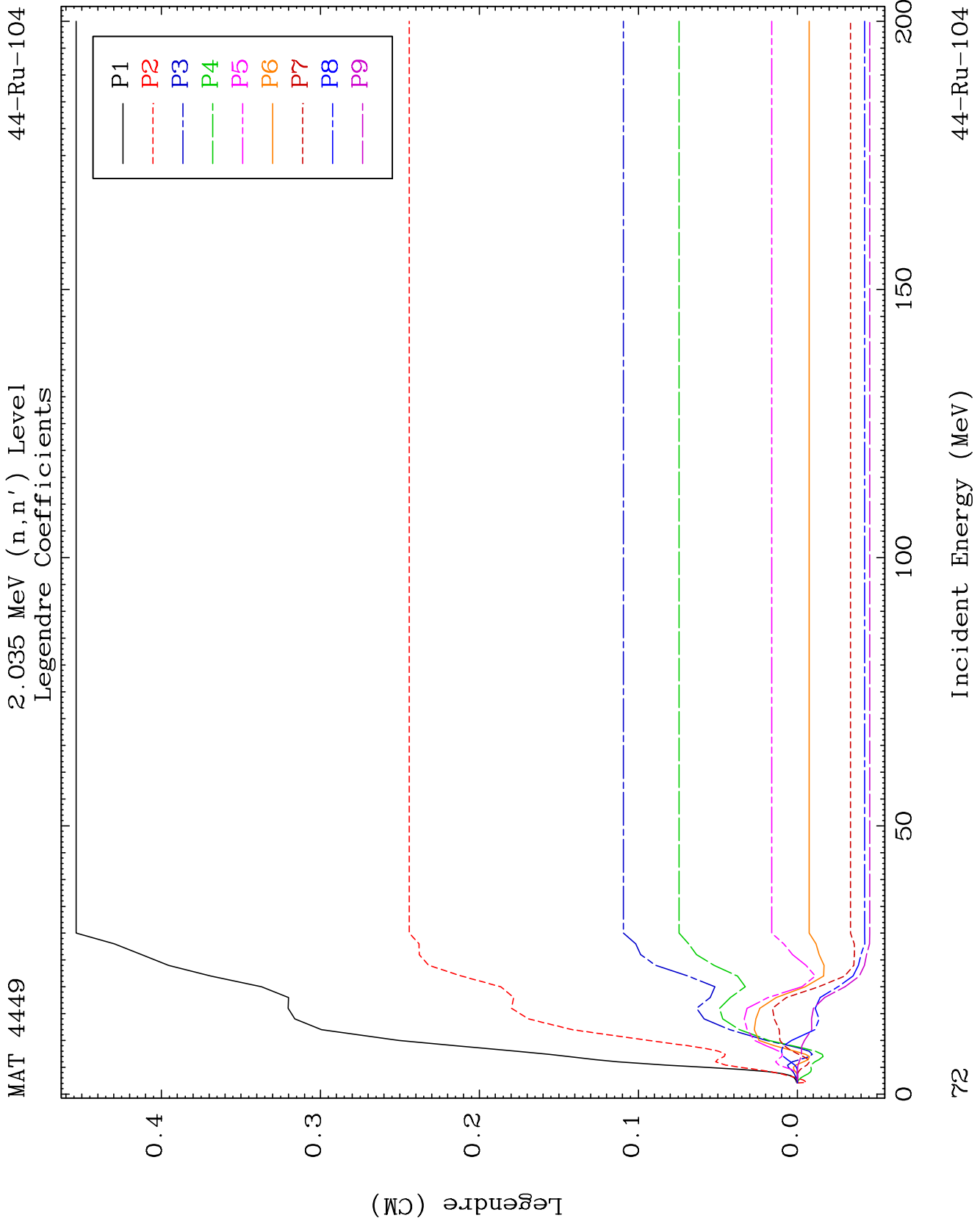








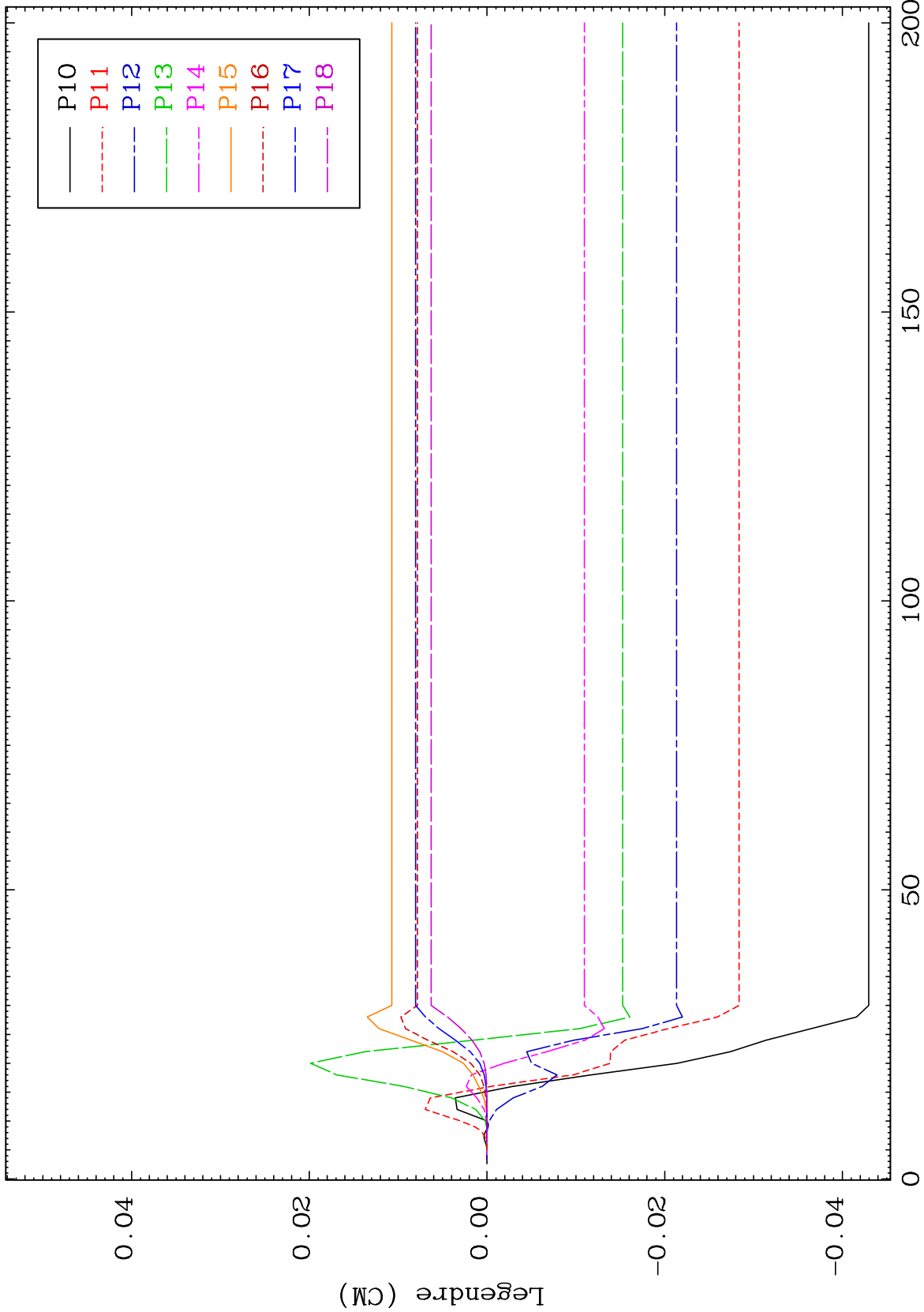




MAT 4449

2.035 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



73

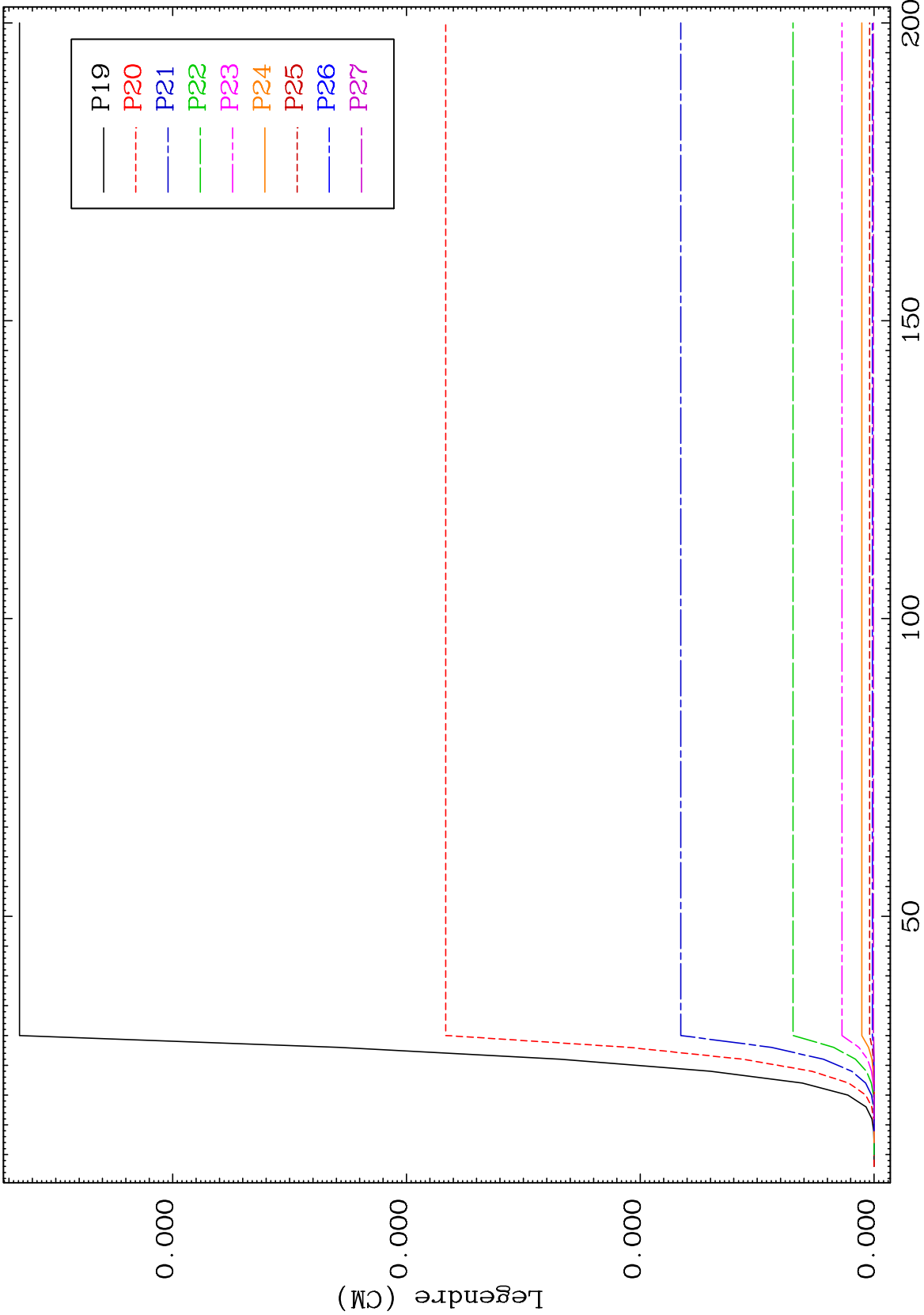
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.035 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



74

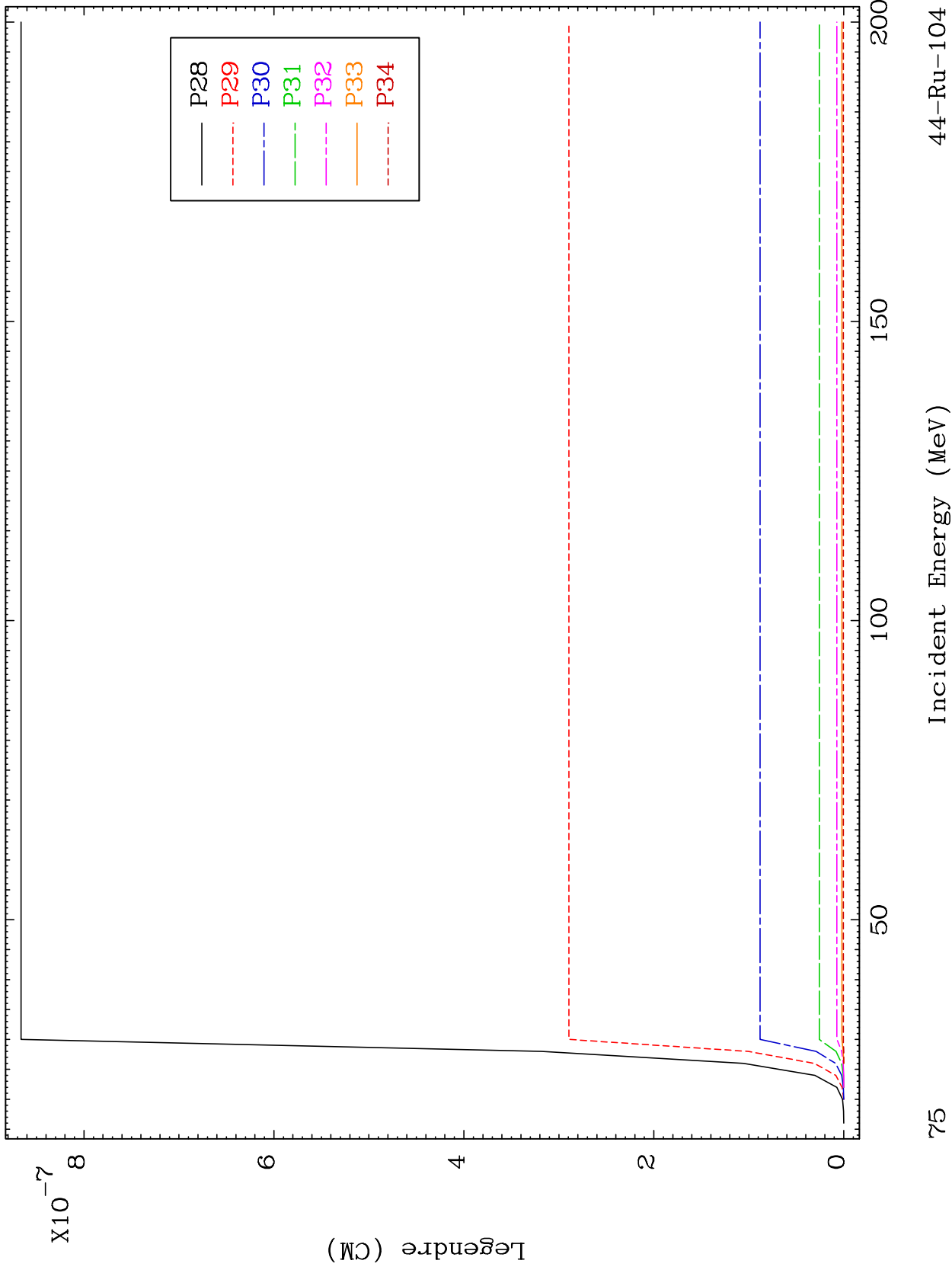
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.035 MeV (n, n') Level
Legendre Coefficients

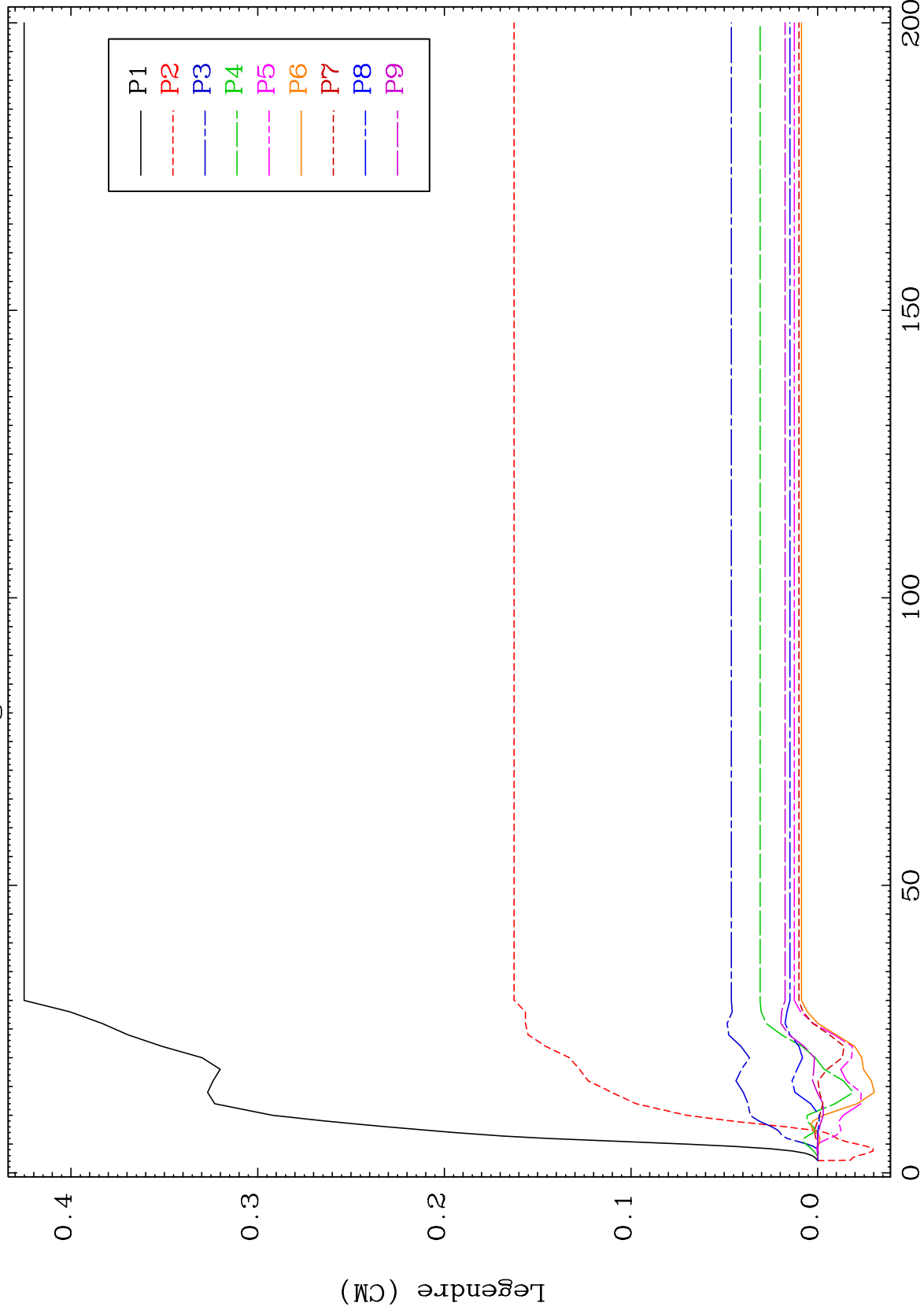
44-Ru-104



MAT 4449

2.081 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



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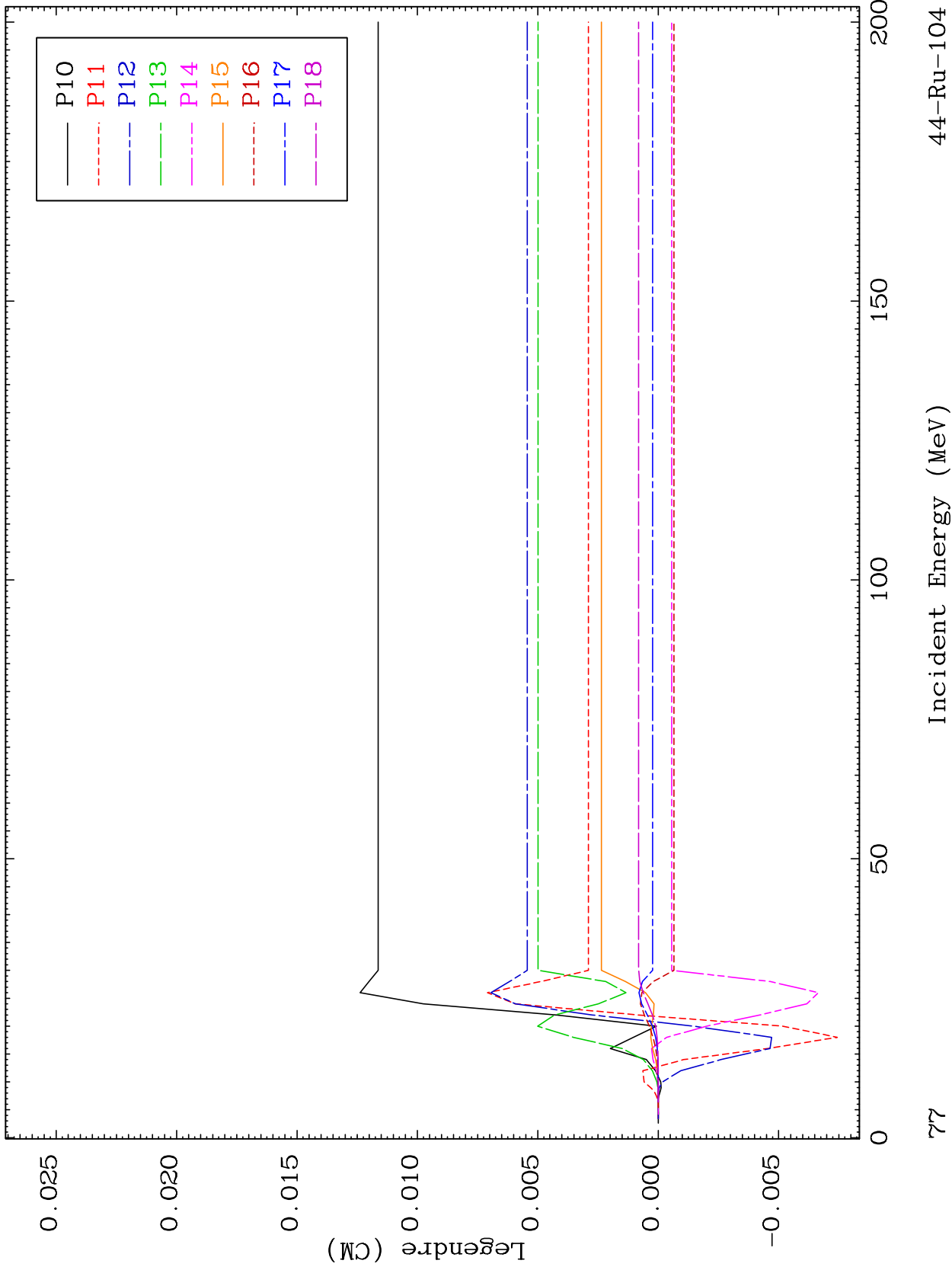
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.081 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



77

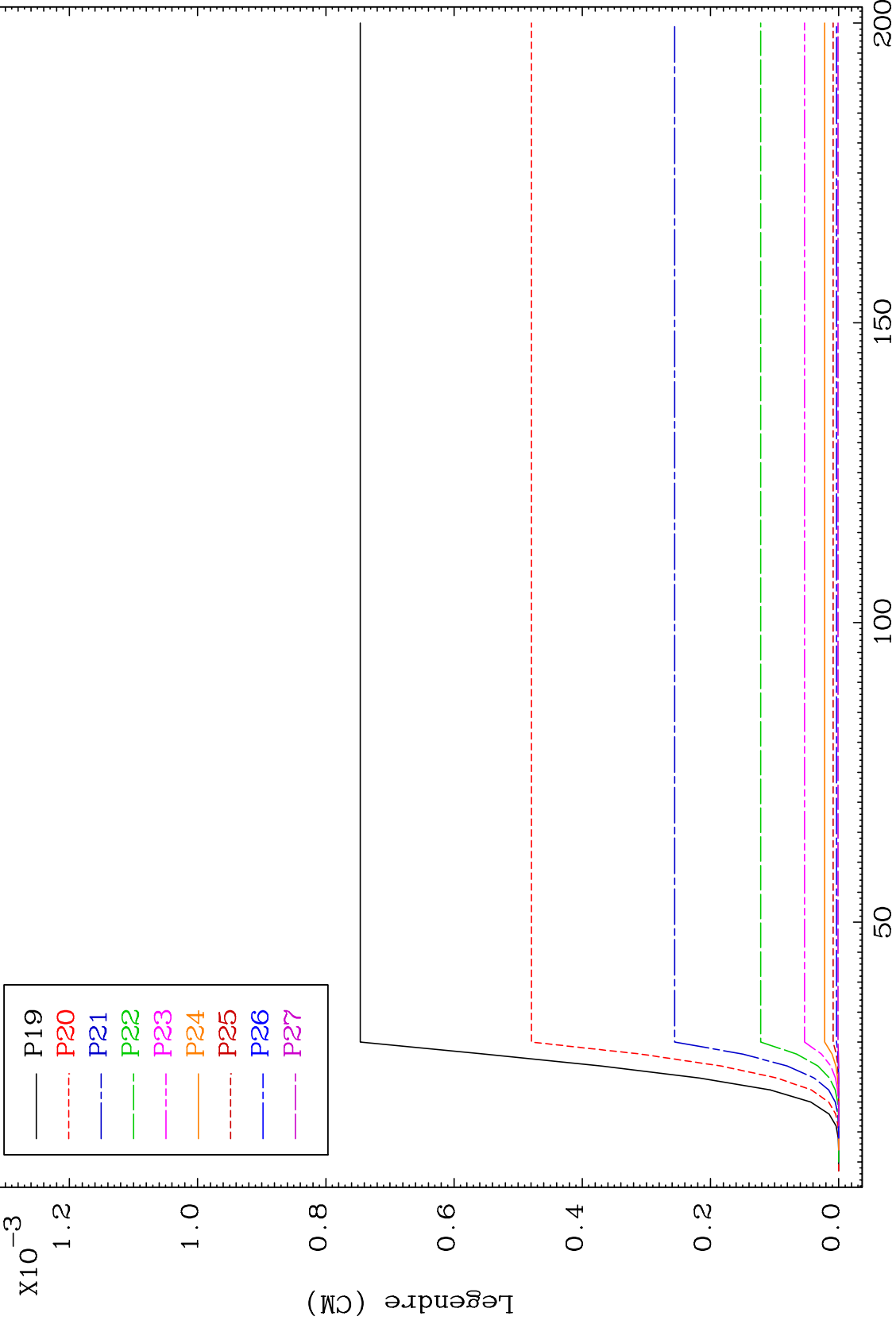
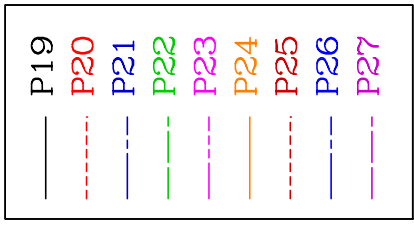
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.081 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



78

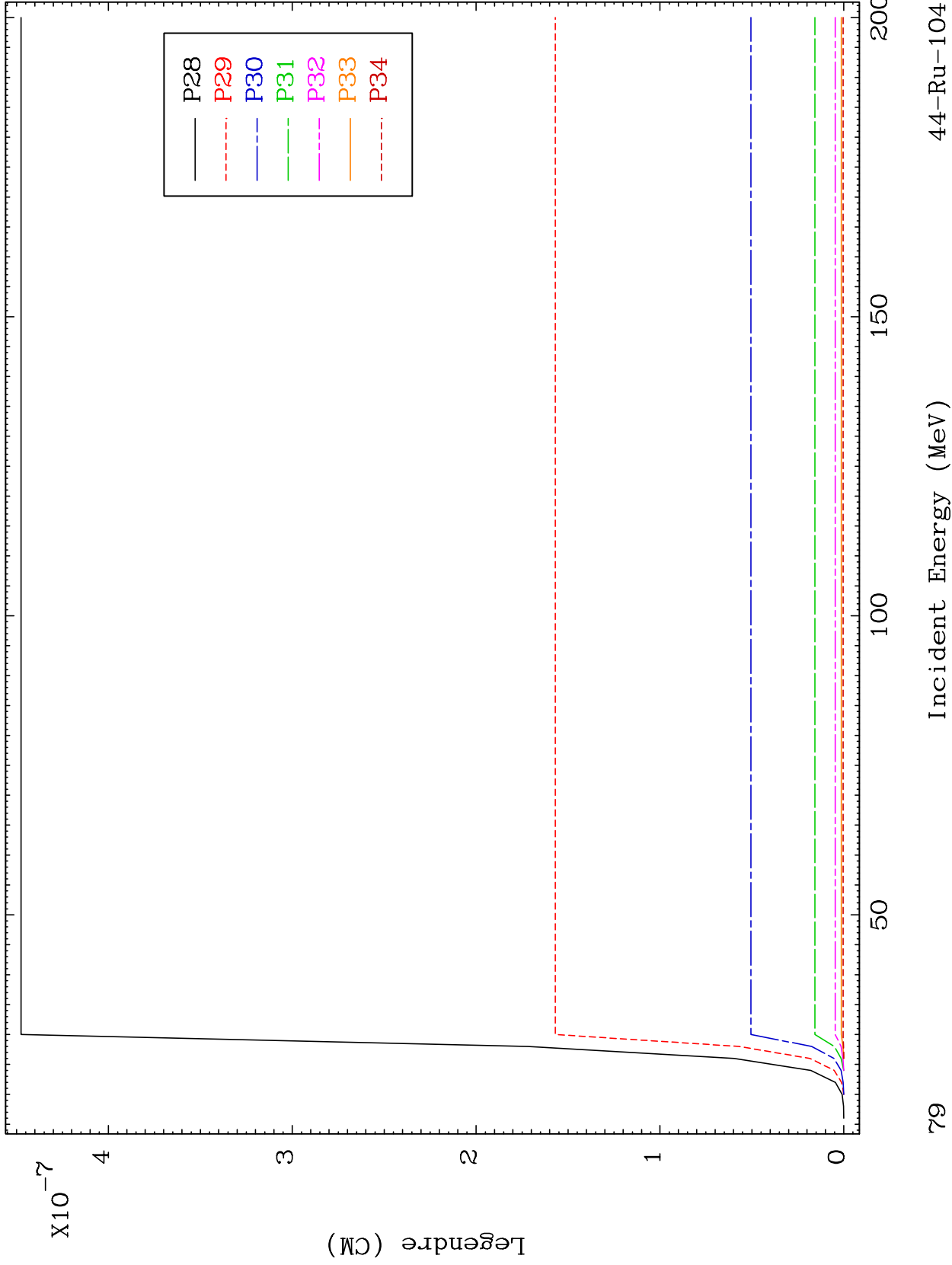
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.081 MeV (n, n') Level
Legendre Coefficients

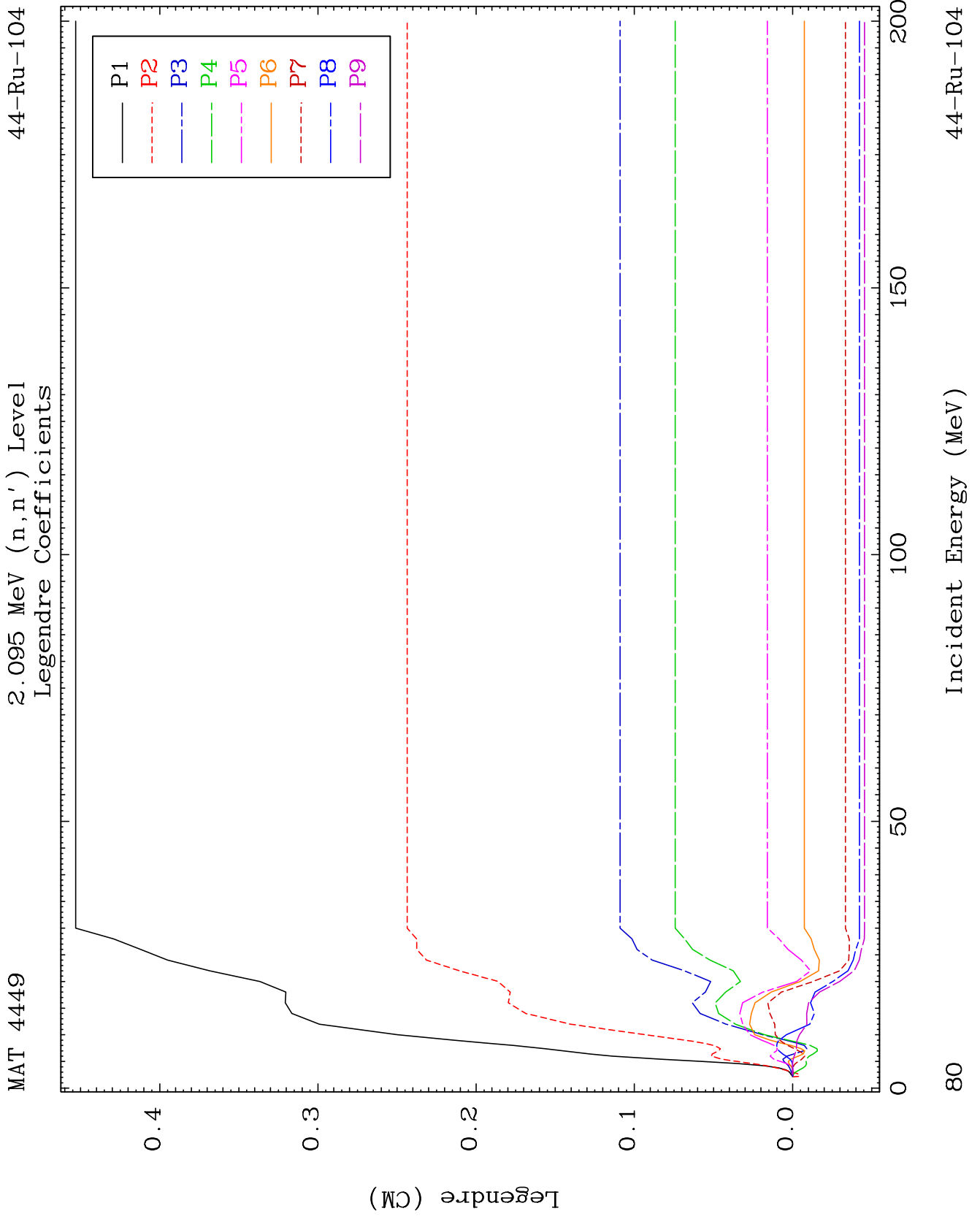
44-Ru-104



79

Incident Energy (MeV)

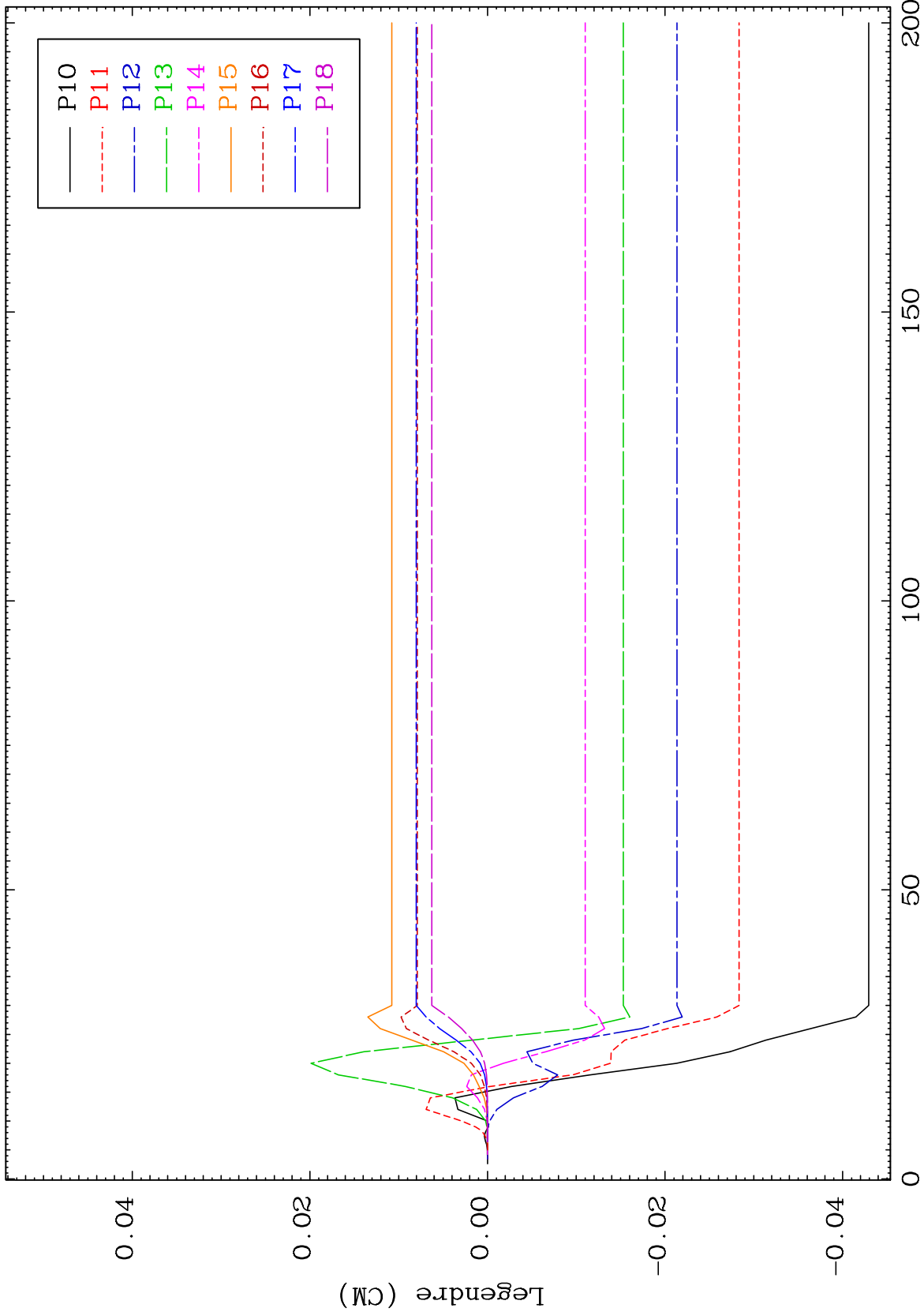
44-Ru-104



MAT 4449

2.095 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



81

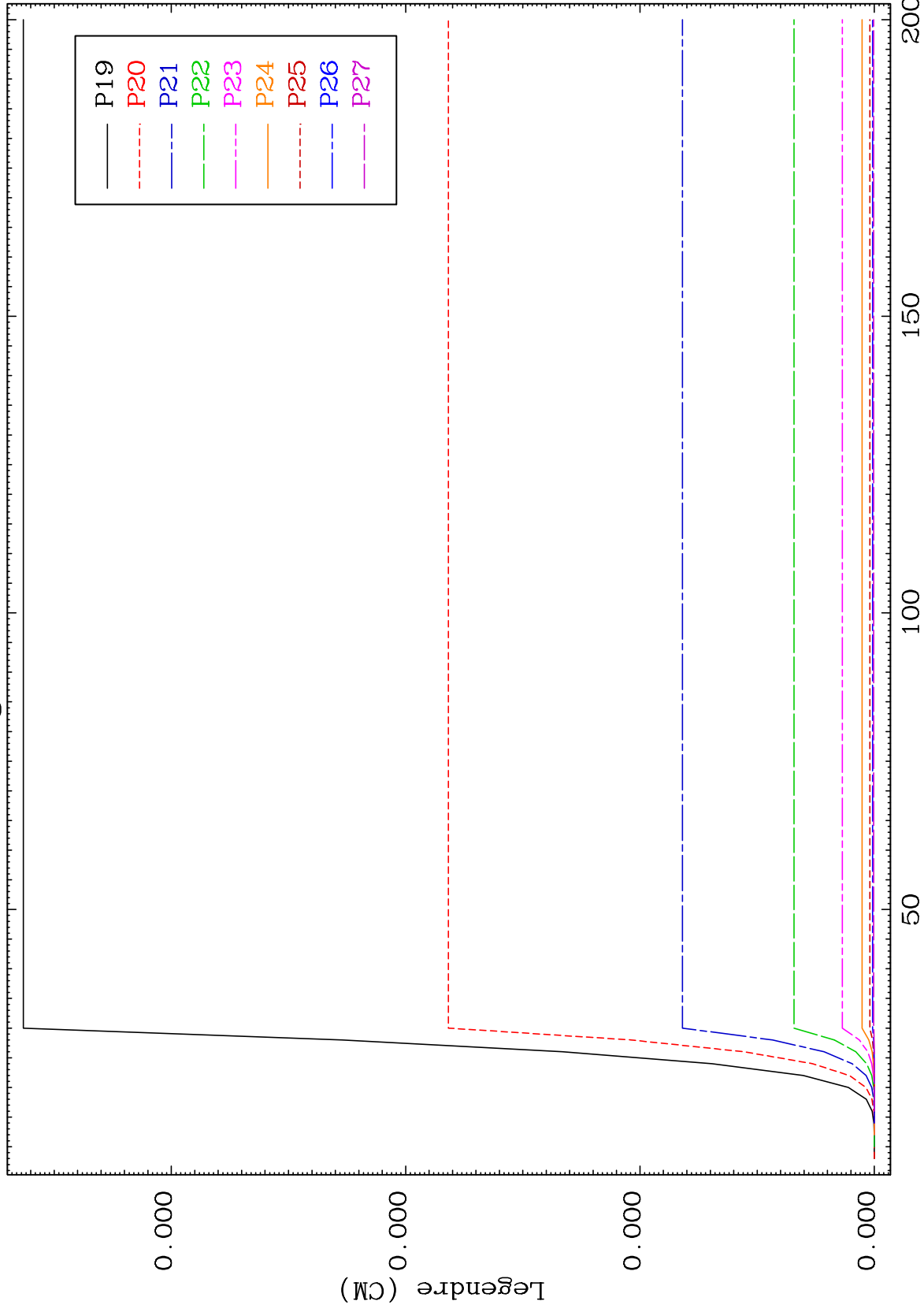
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.095 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



82

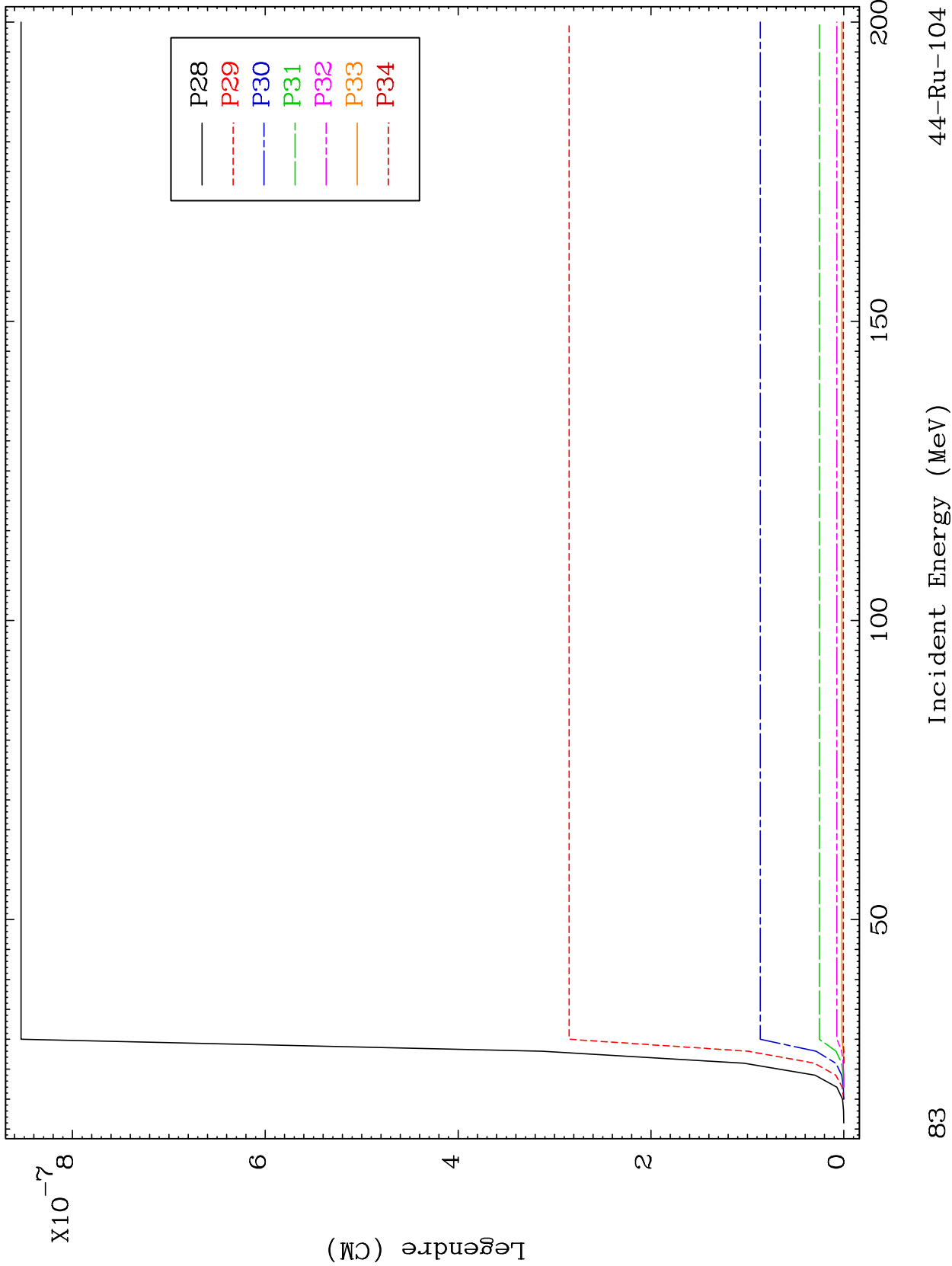
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.095 MeV (n,n') Level
Legendre Coefficients

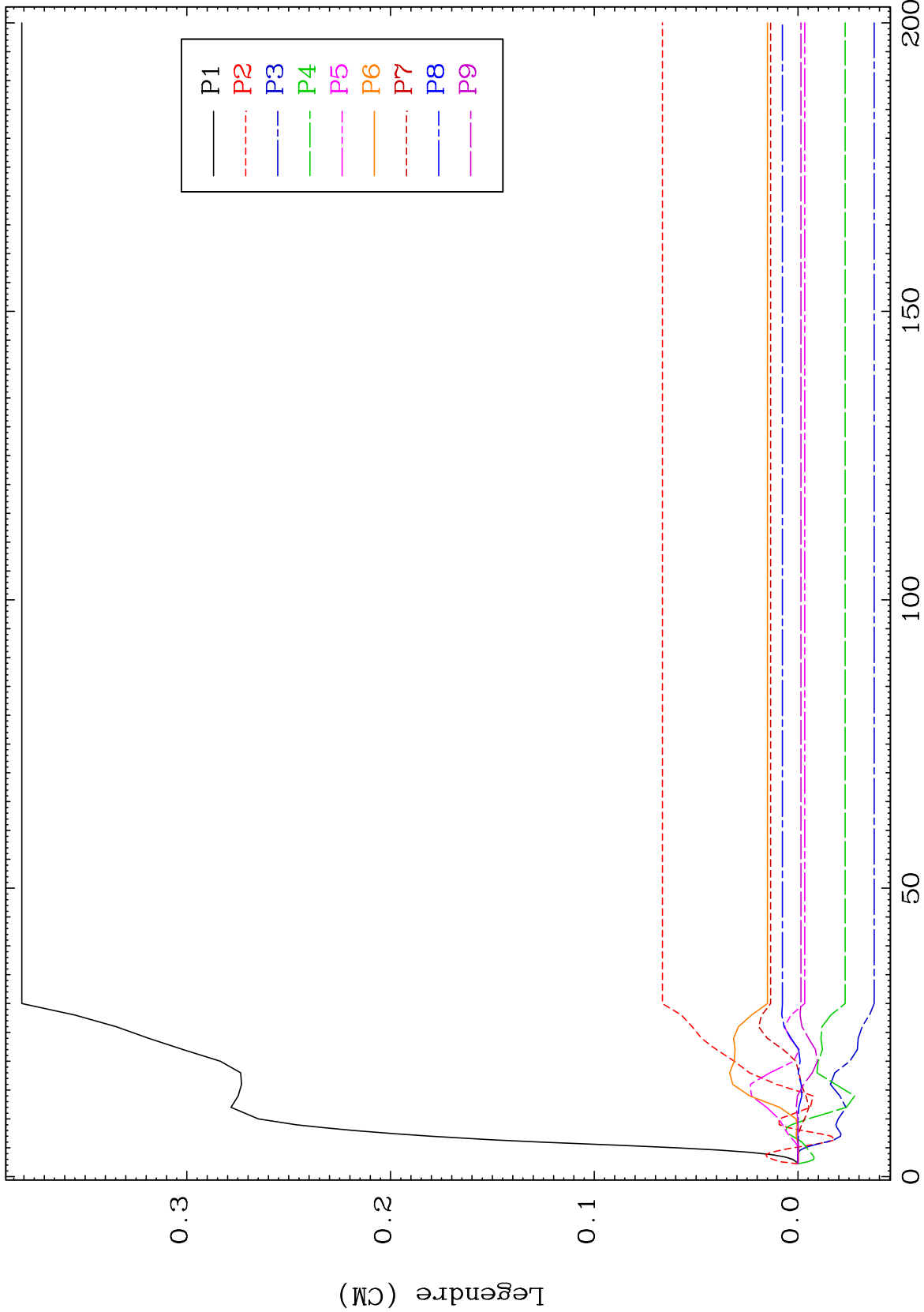
44-Ru-104



MAT 4449

2.197 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



84

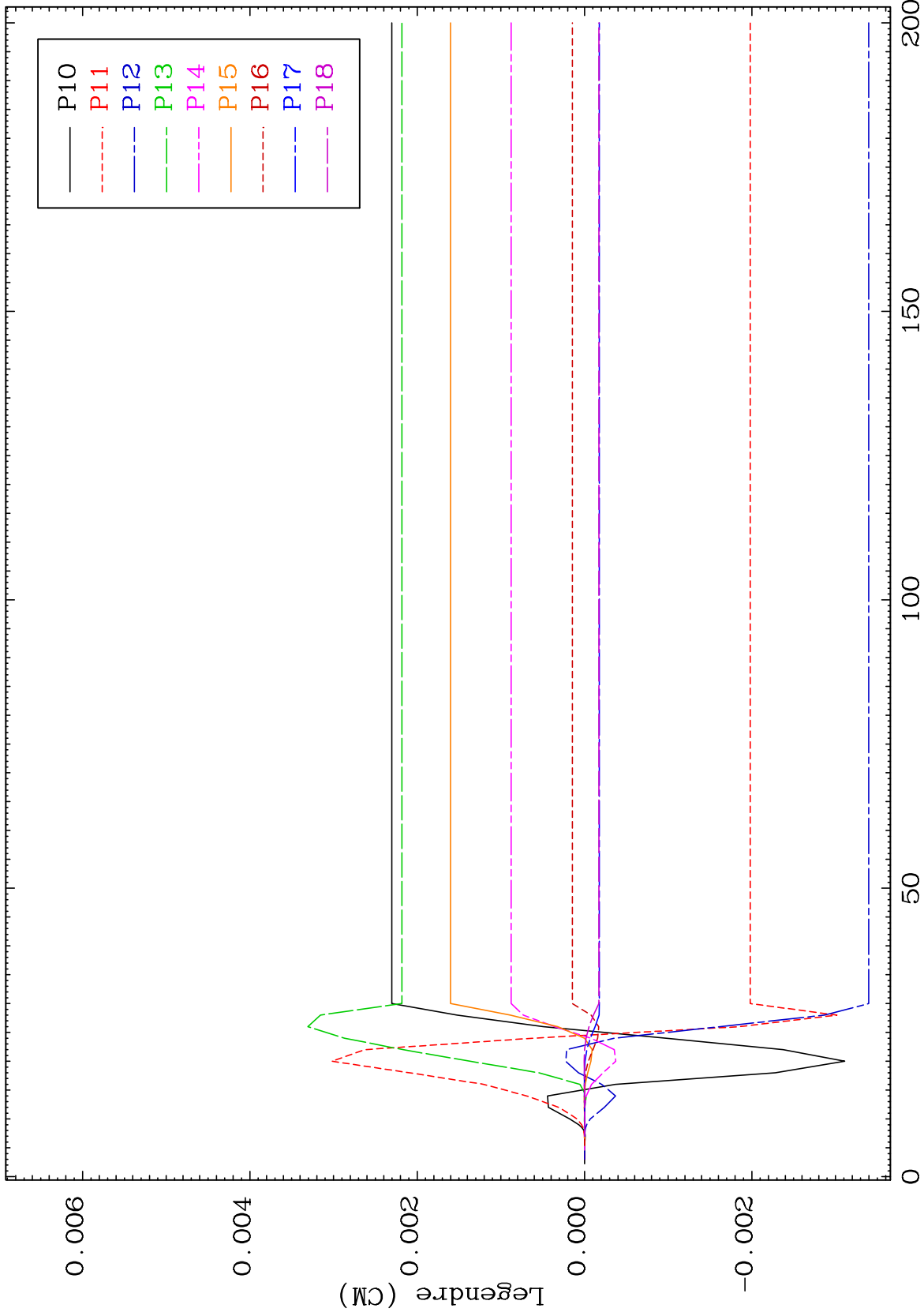
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.197 MeV (n,n') Level
Legendre Coefficients

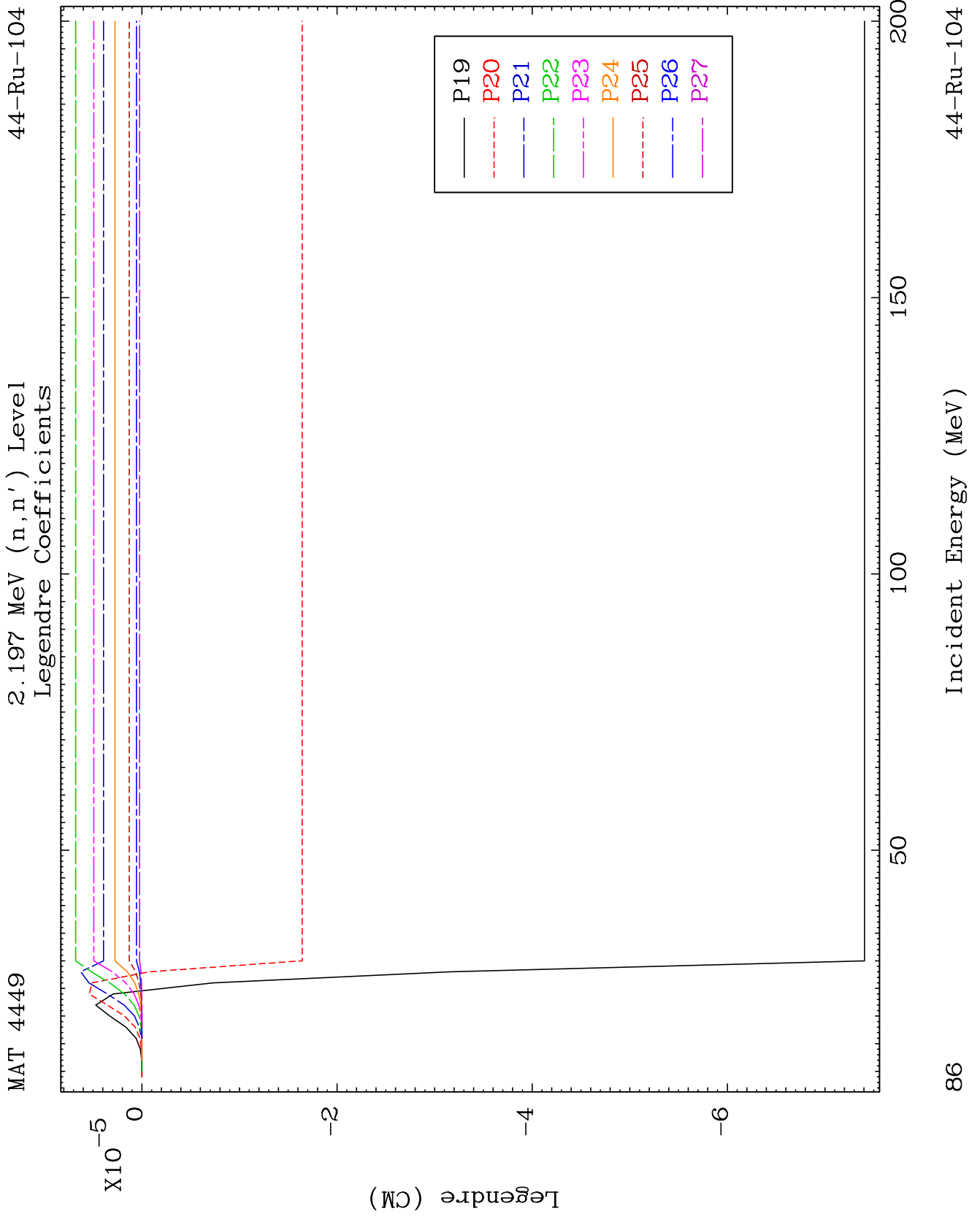
44-Ru-104



85

Incident Energy (MeV)

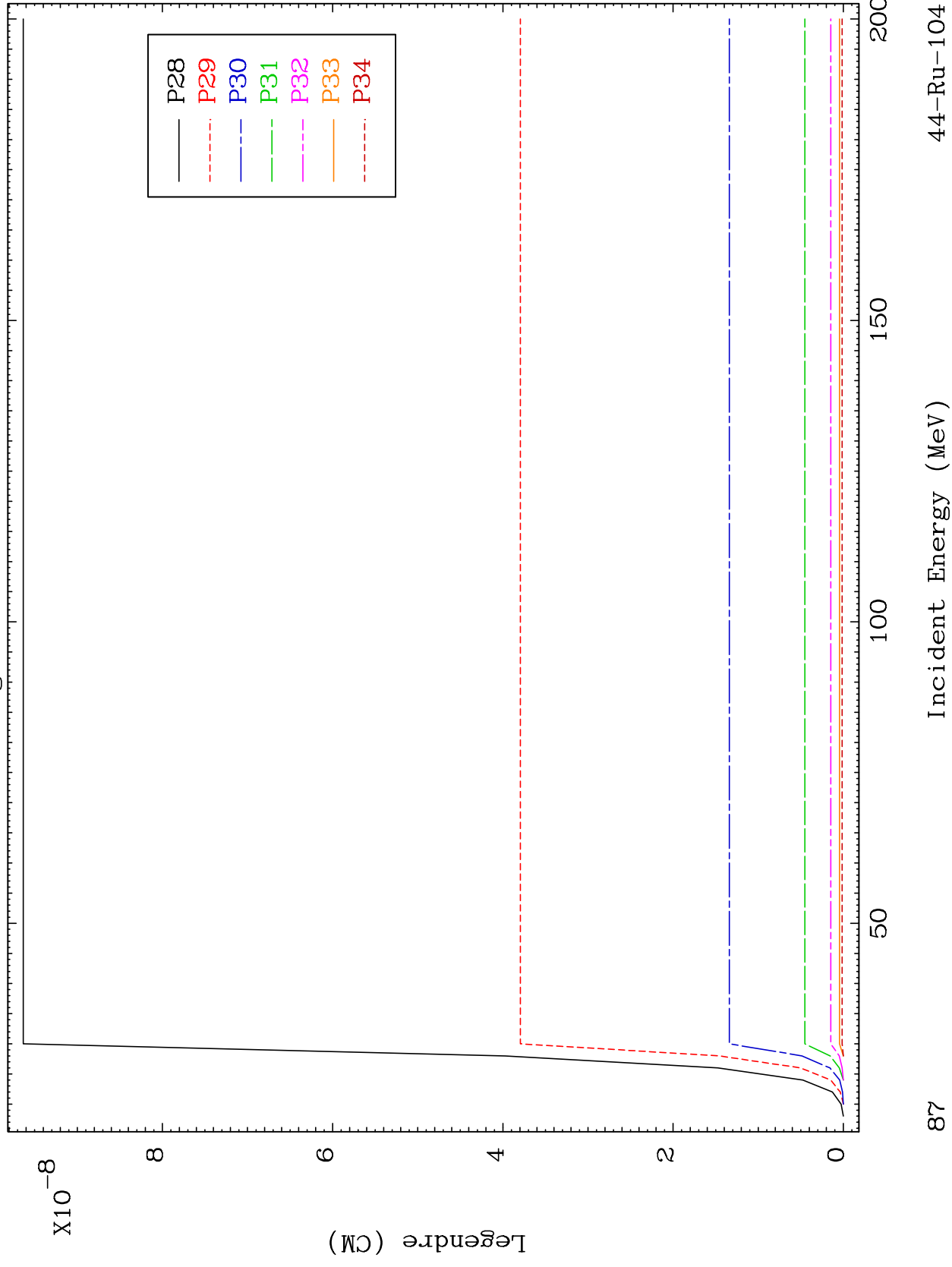
44-Ru-104



MAT 4449

2.197 MeV (n, n') Level
Legendre Coefficients

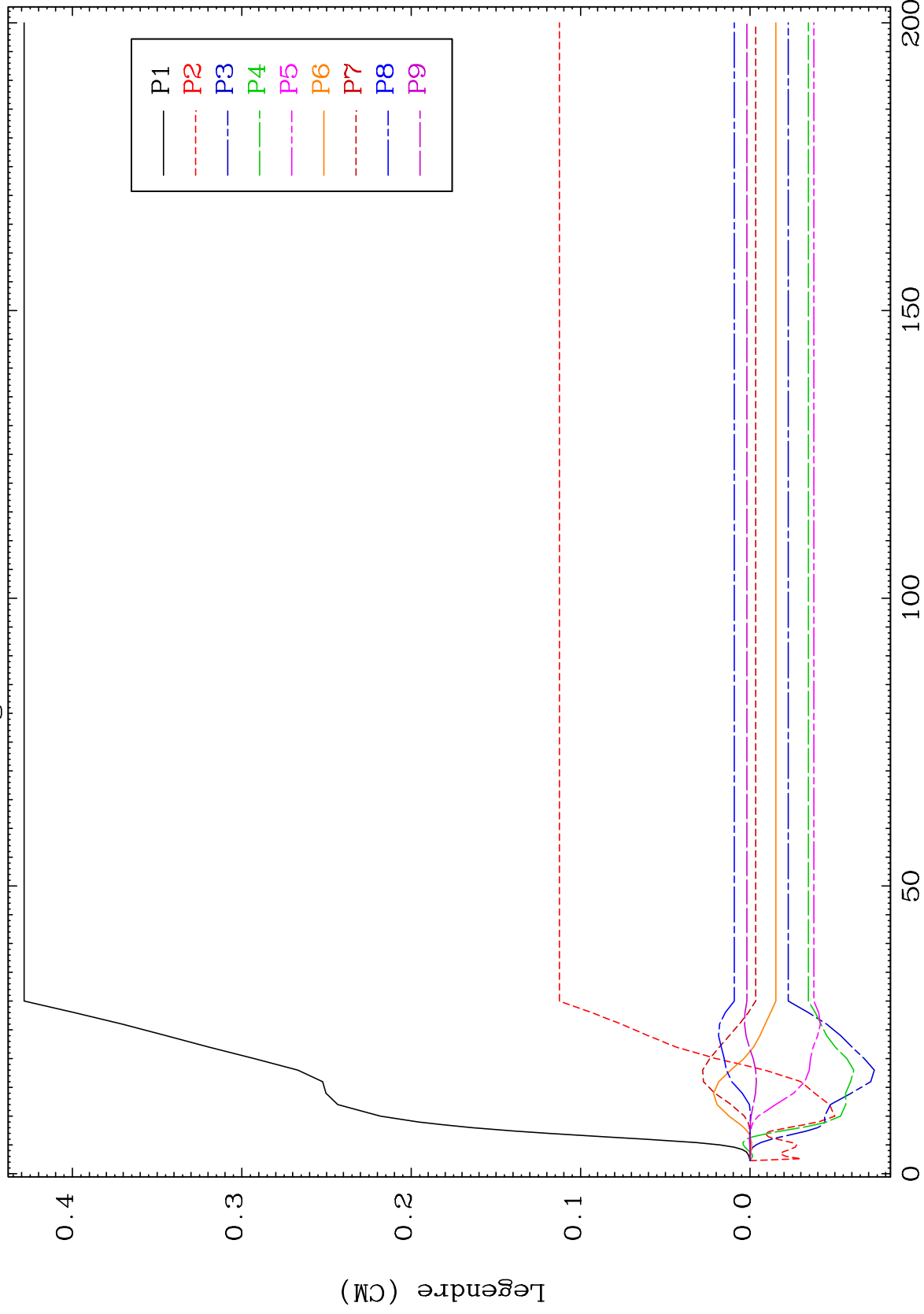
44-Ru-104



MAT 4449

2.233 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



88

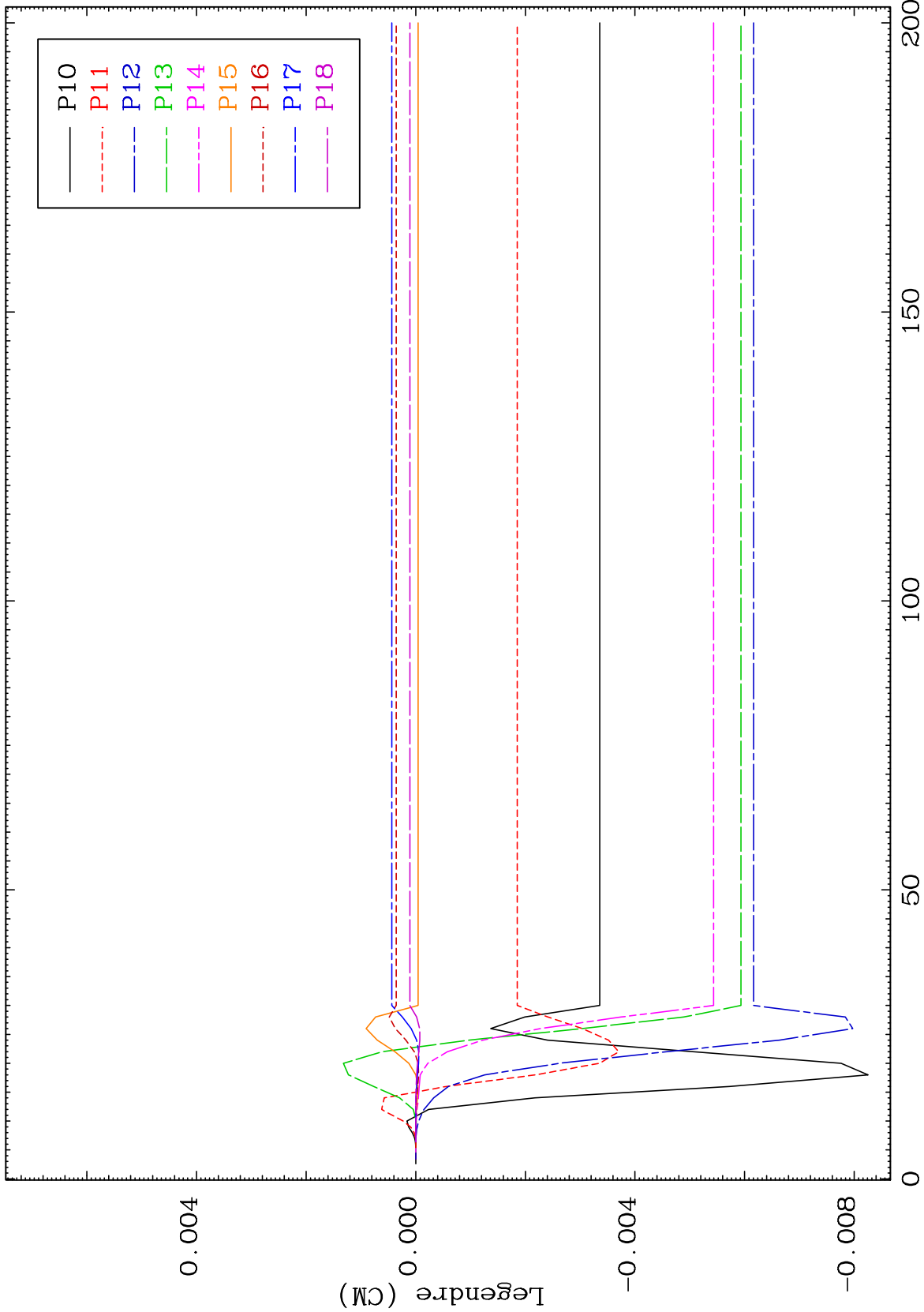
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.233 MeV (n,n') Level Legendre Coefficients

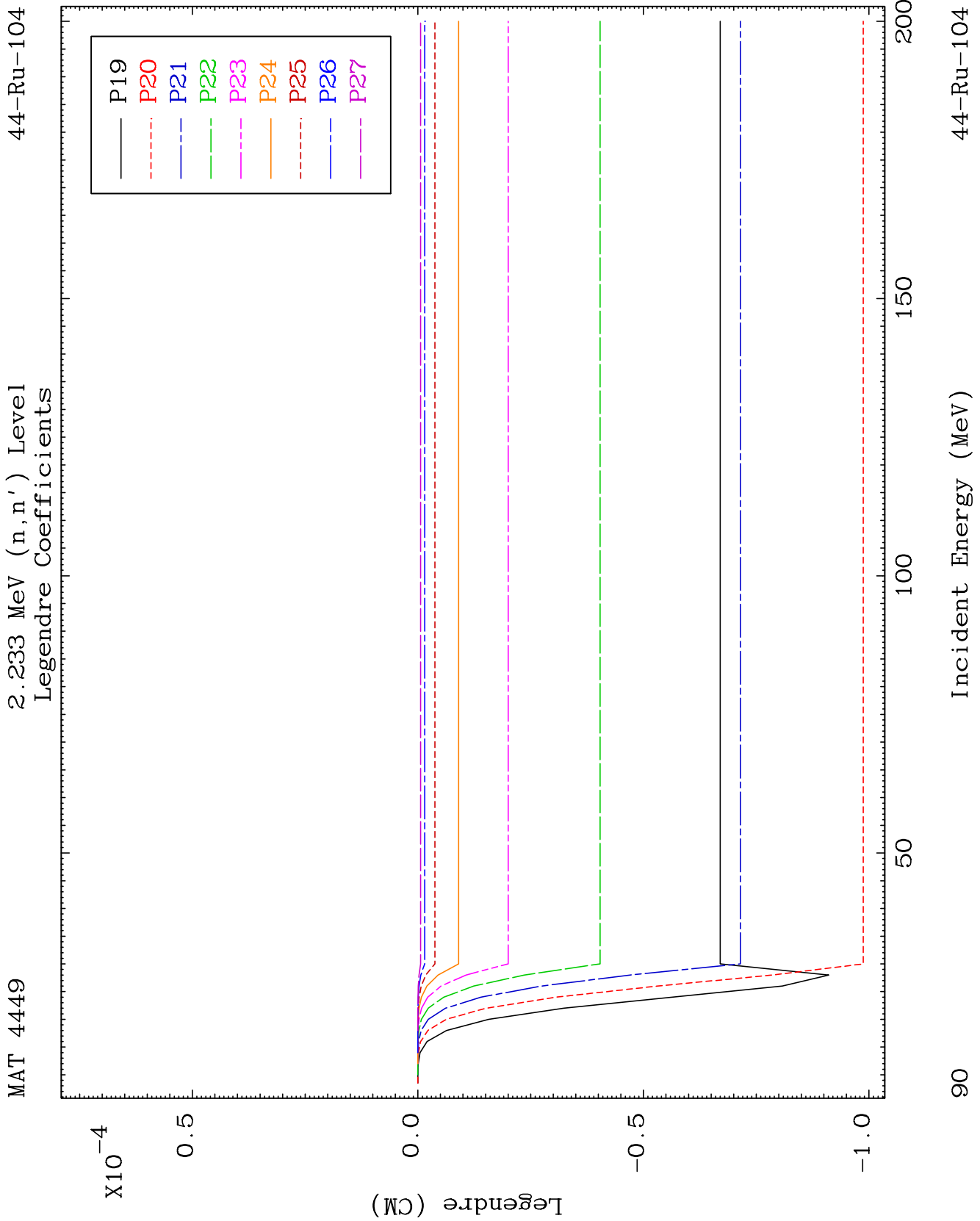
44-Ru-104

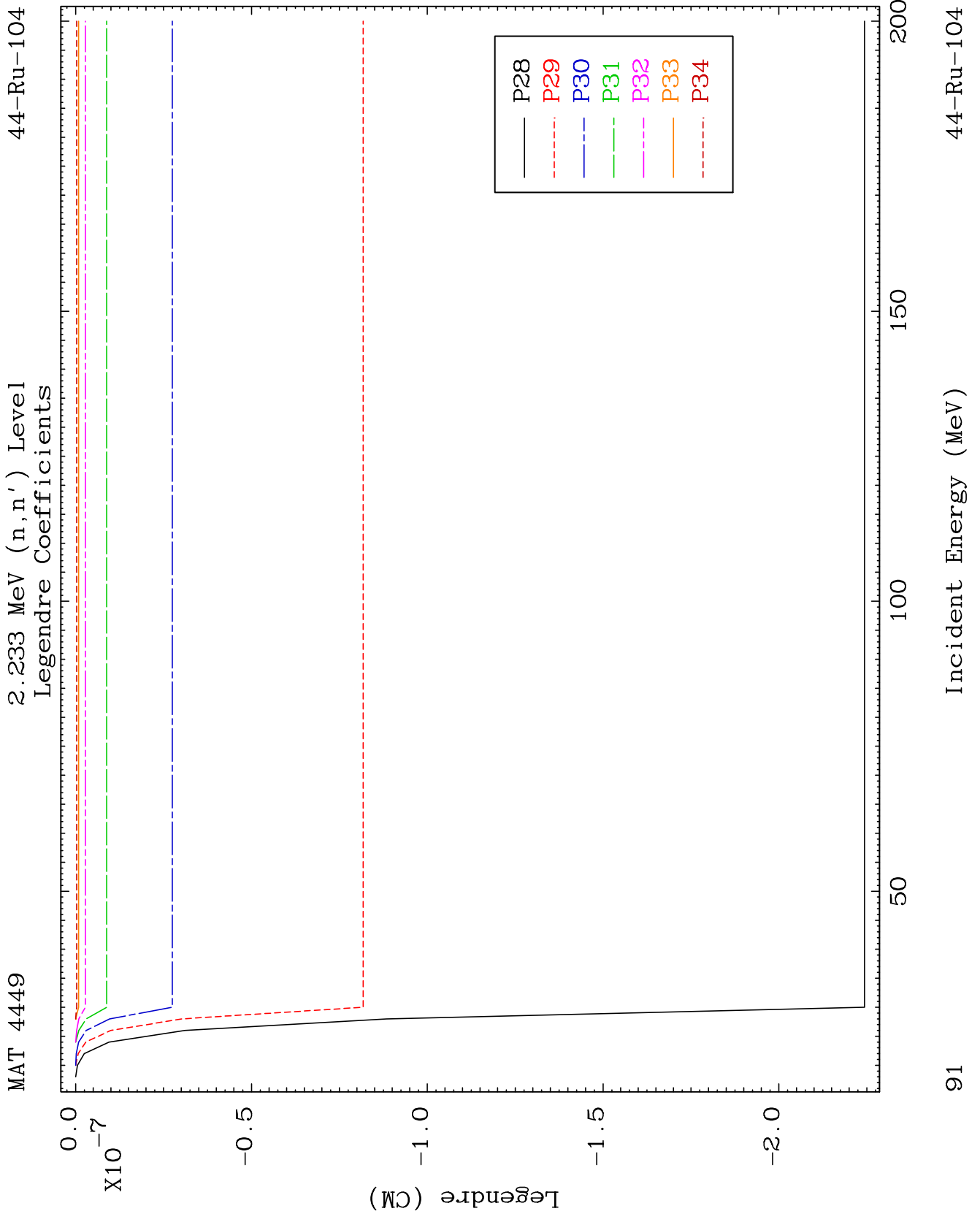


89

Incident Energy (MeV)

44-Ru-104

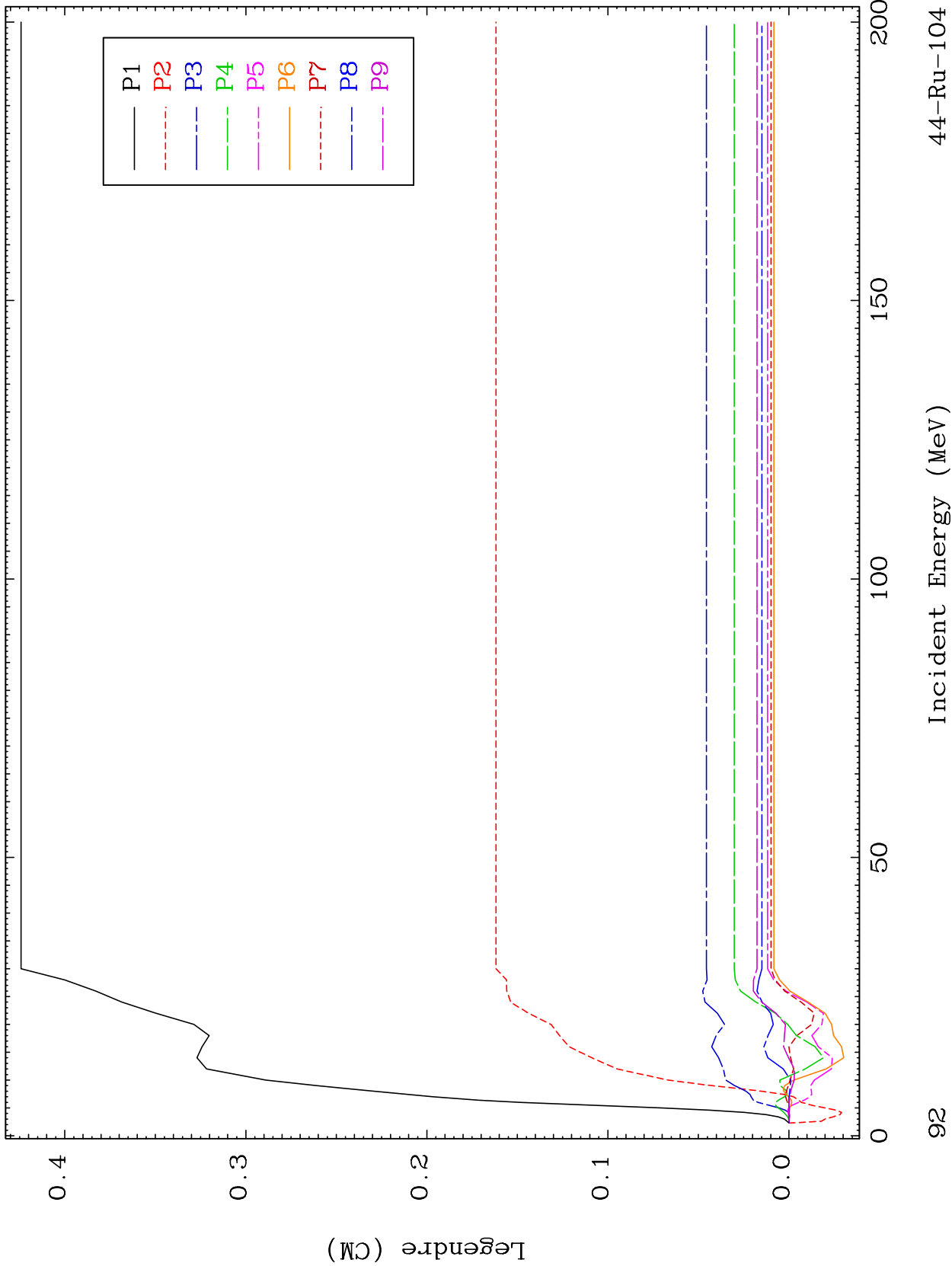




MAT 4449

2.269 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



44-Ru-104

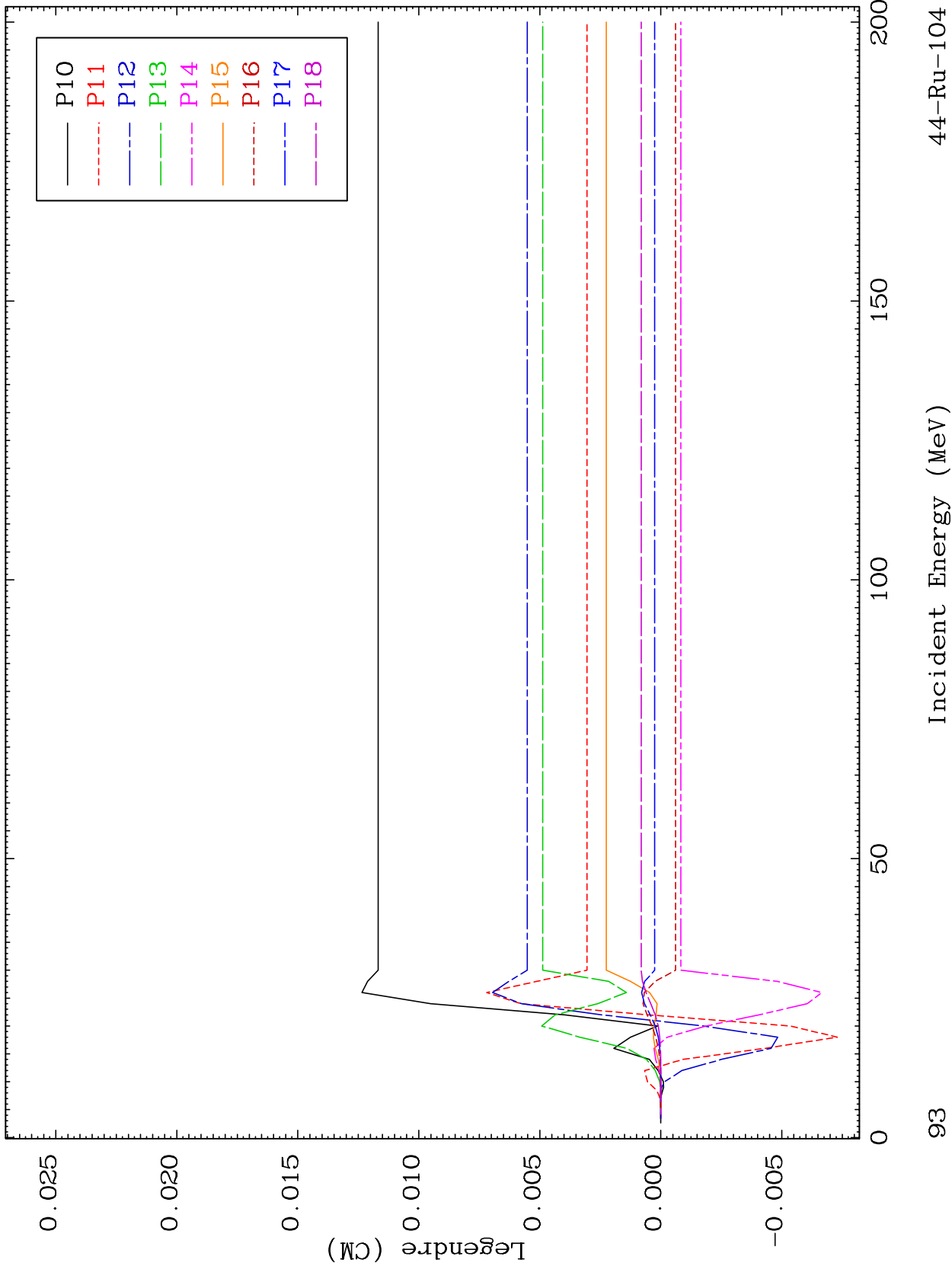
Incident Energy (MeV)

92

MAT 4449

2.269 MeV (n,n') Level
Legendre Coefficients

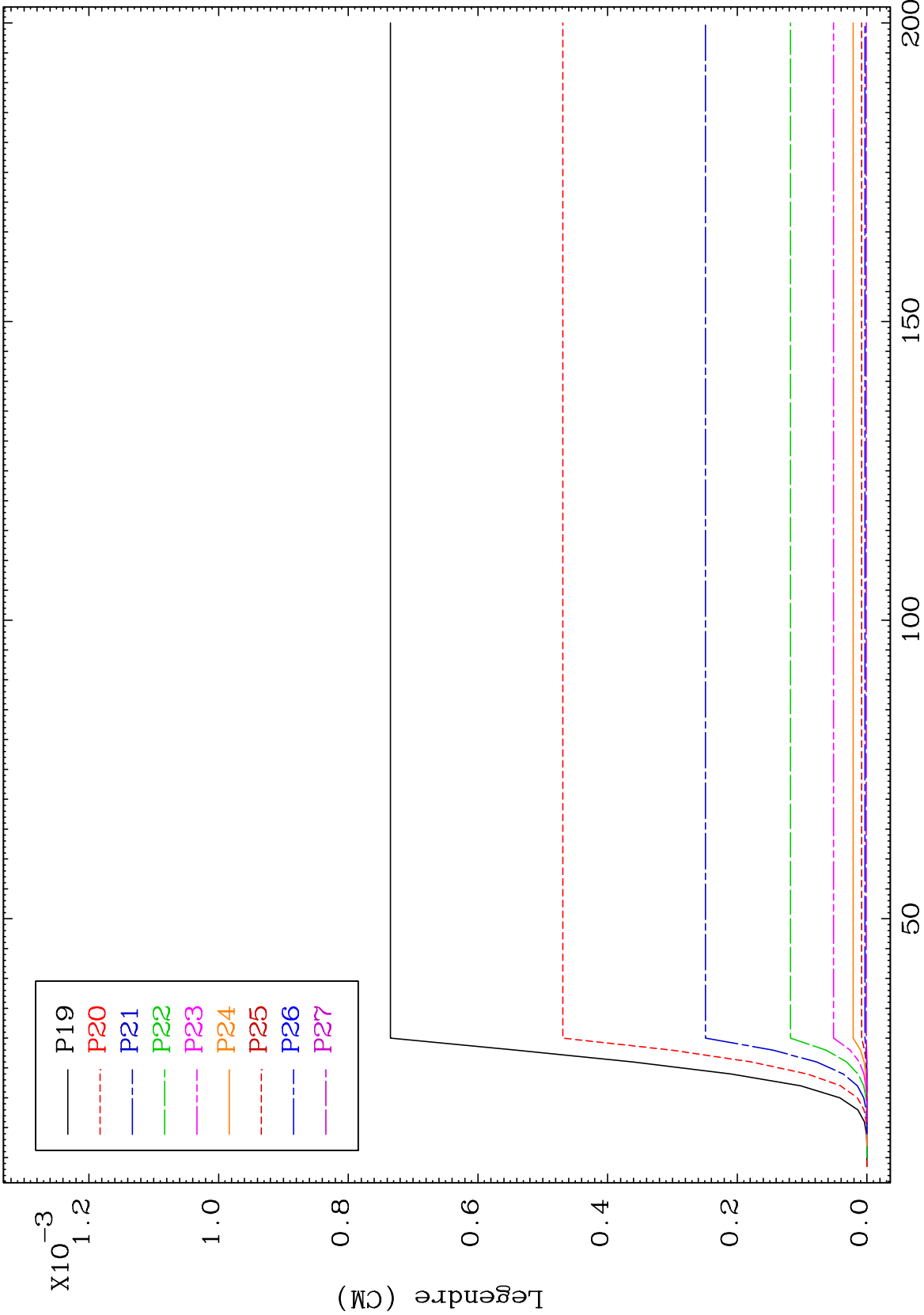
44-Ru-104



93

Incident Energy (MeV)

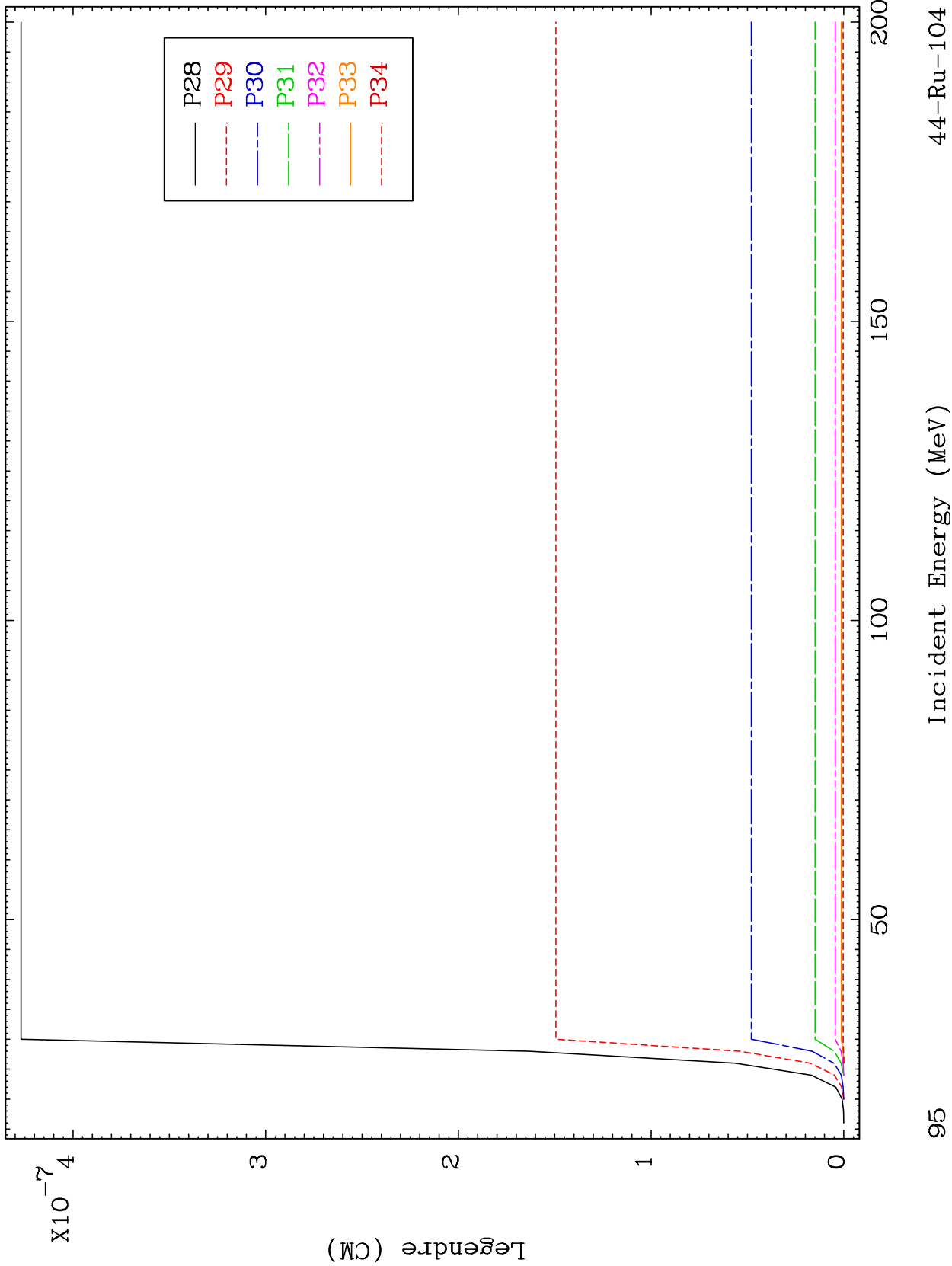
44-Ru-104

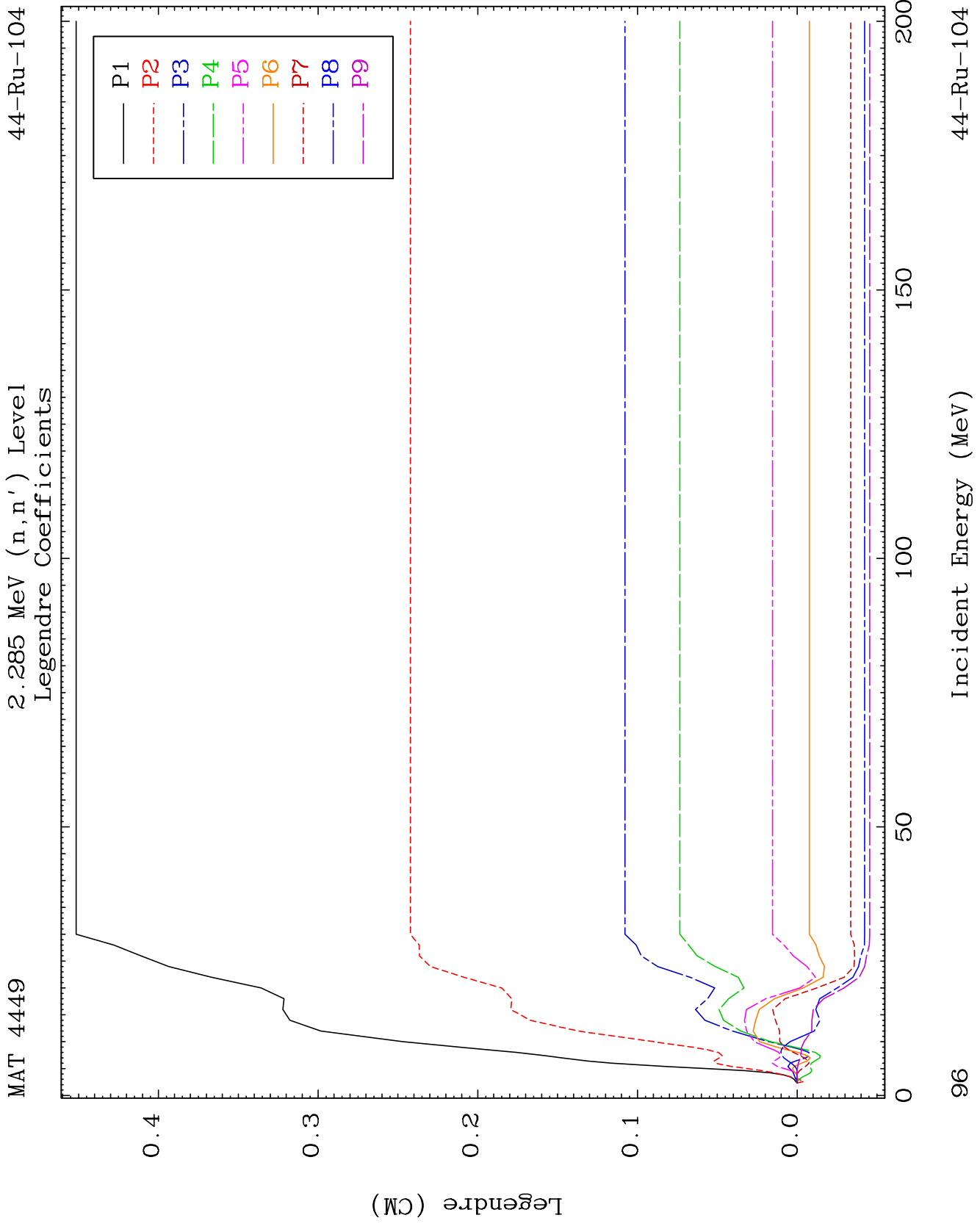


MAT 4449

2.269 MeV (n, n') Level
Legendre Coefficients

44-Ru-104

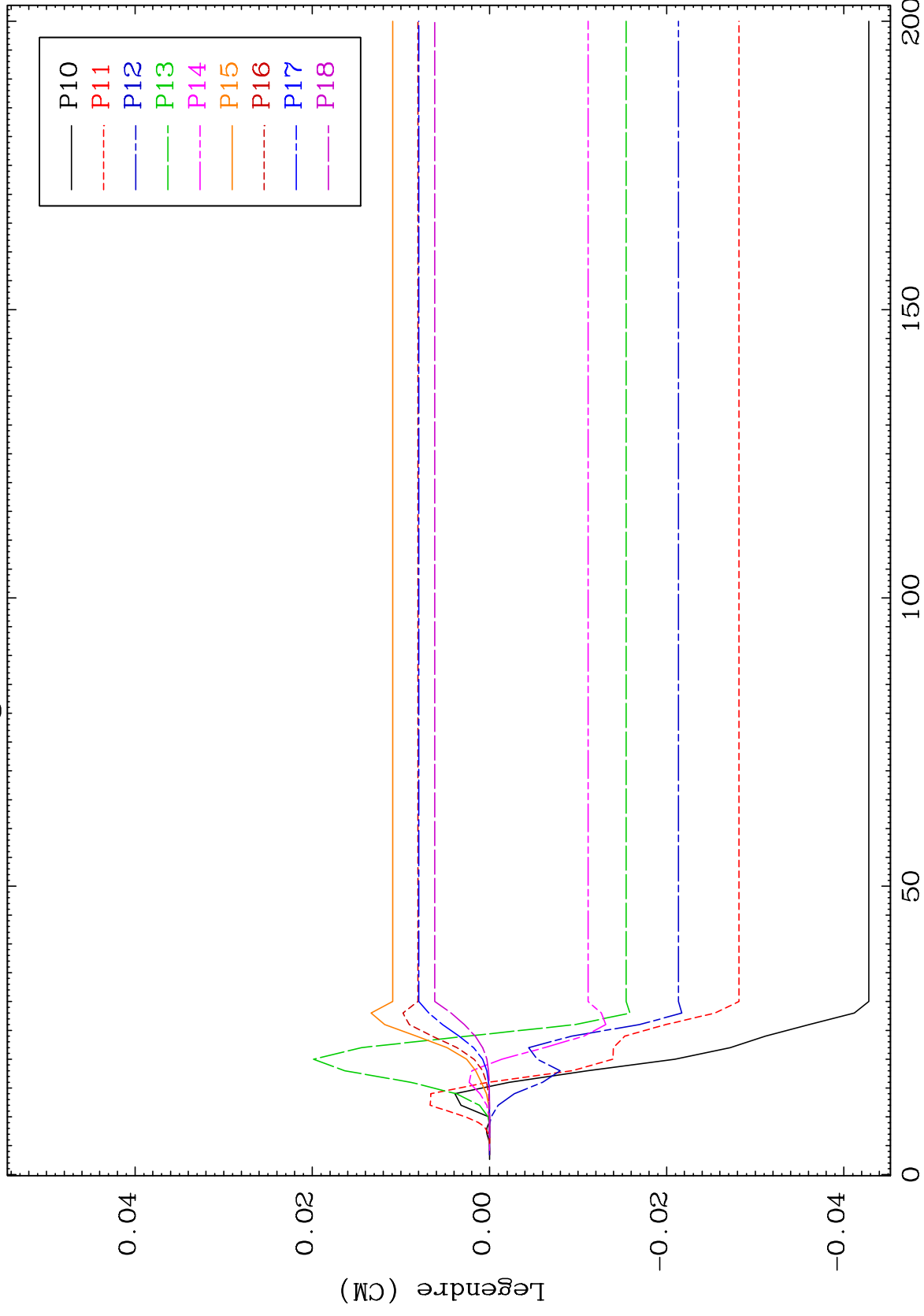




MAT 4449

2.285 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



97

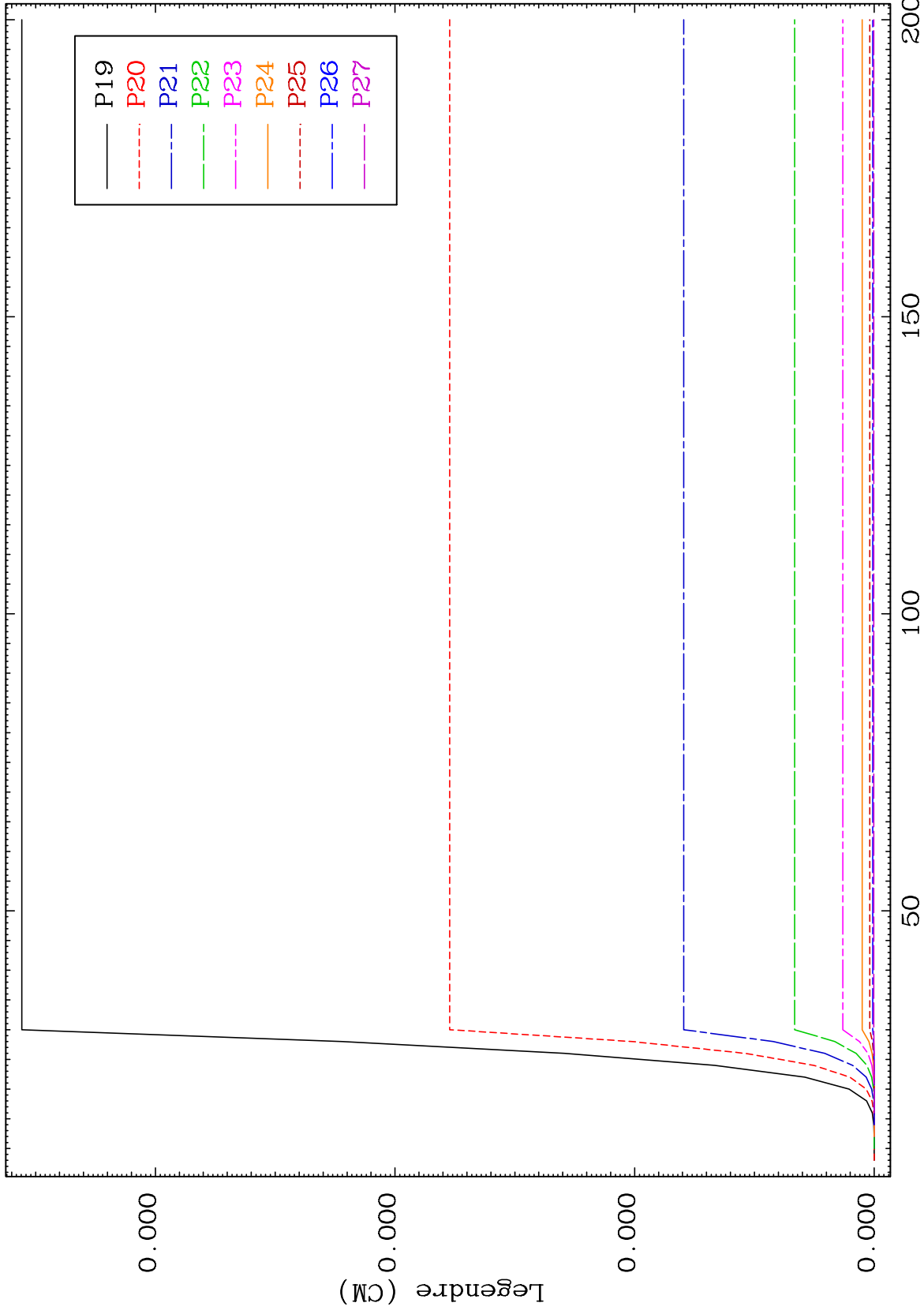
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.285 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



98

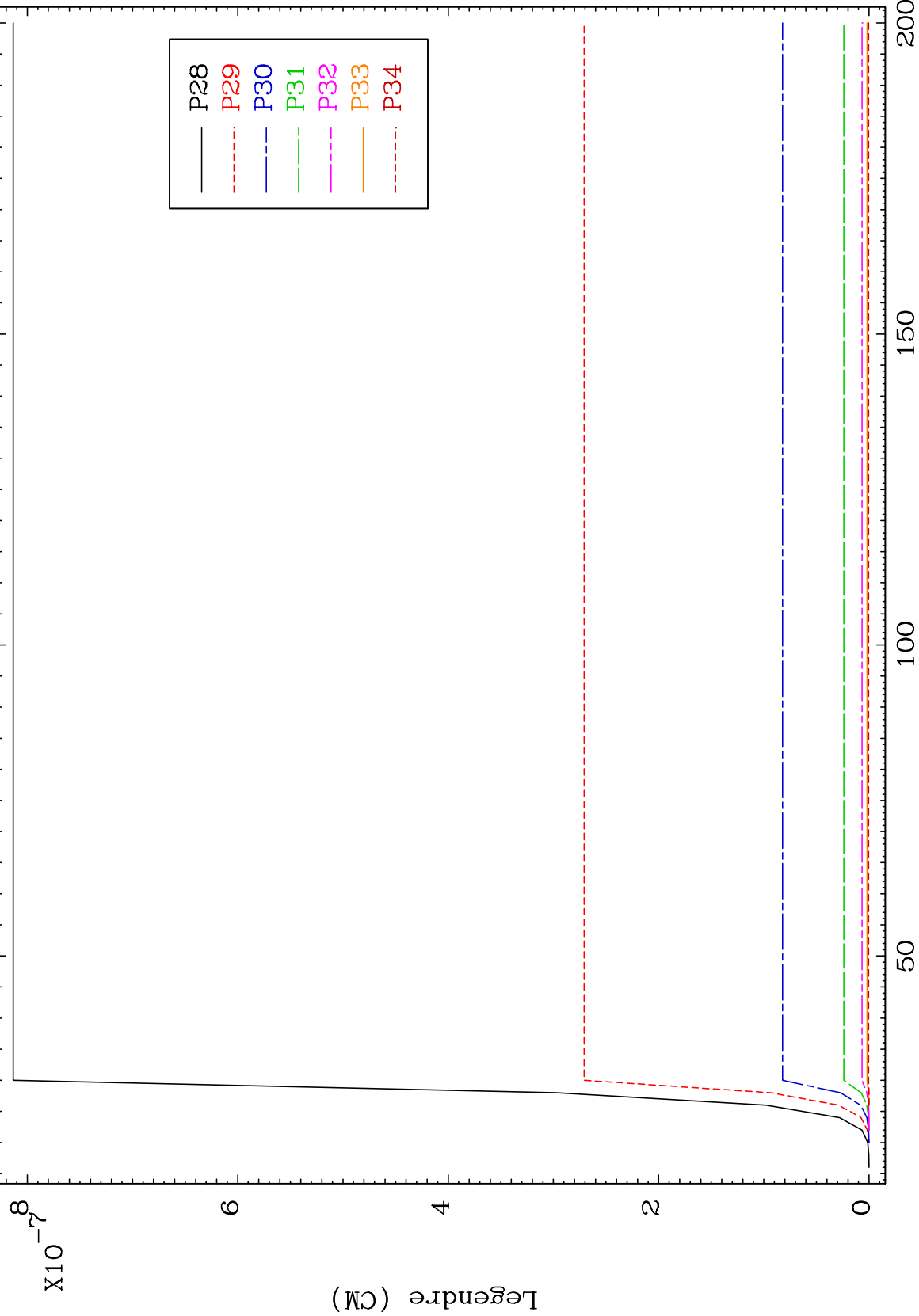
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.285 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



99

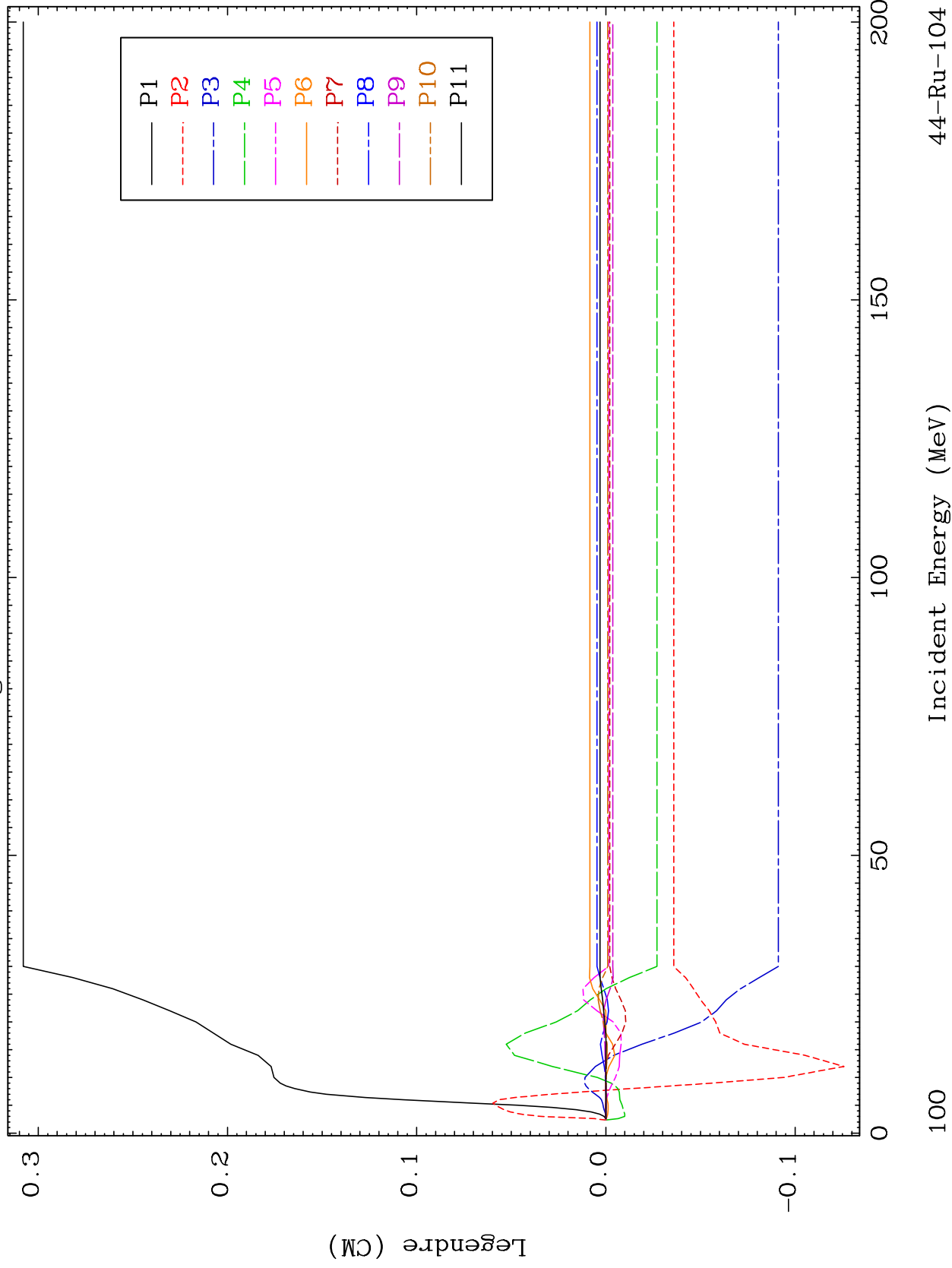
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.320 MeV (n,n') Level
Legendre Coefficients

44-Ru-104

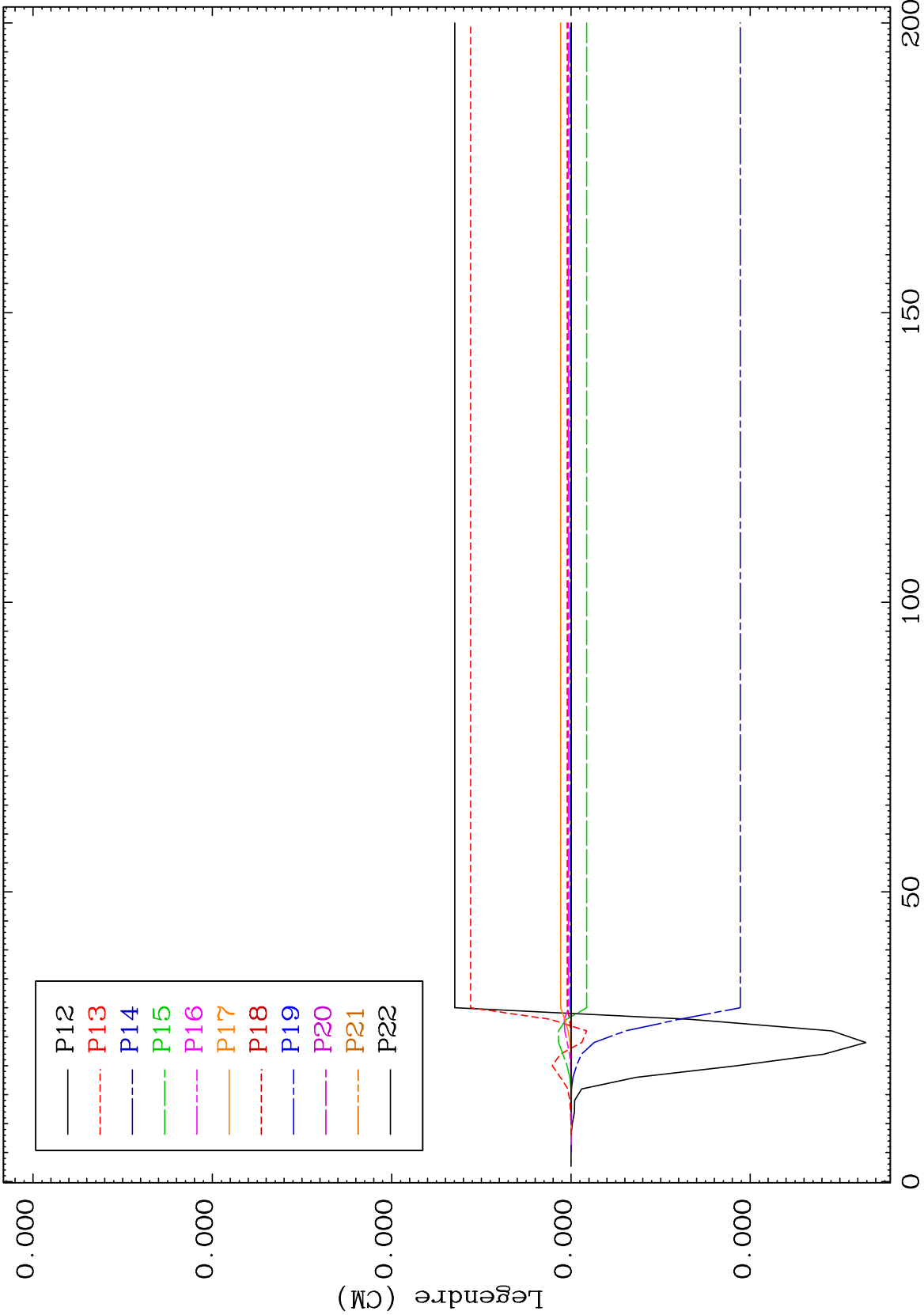


44-Ru-104

MAT 4449

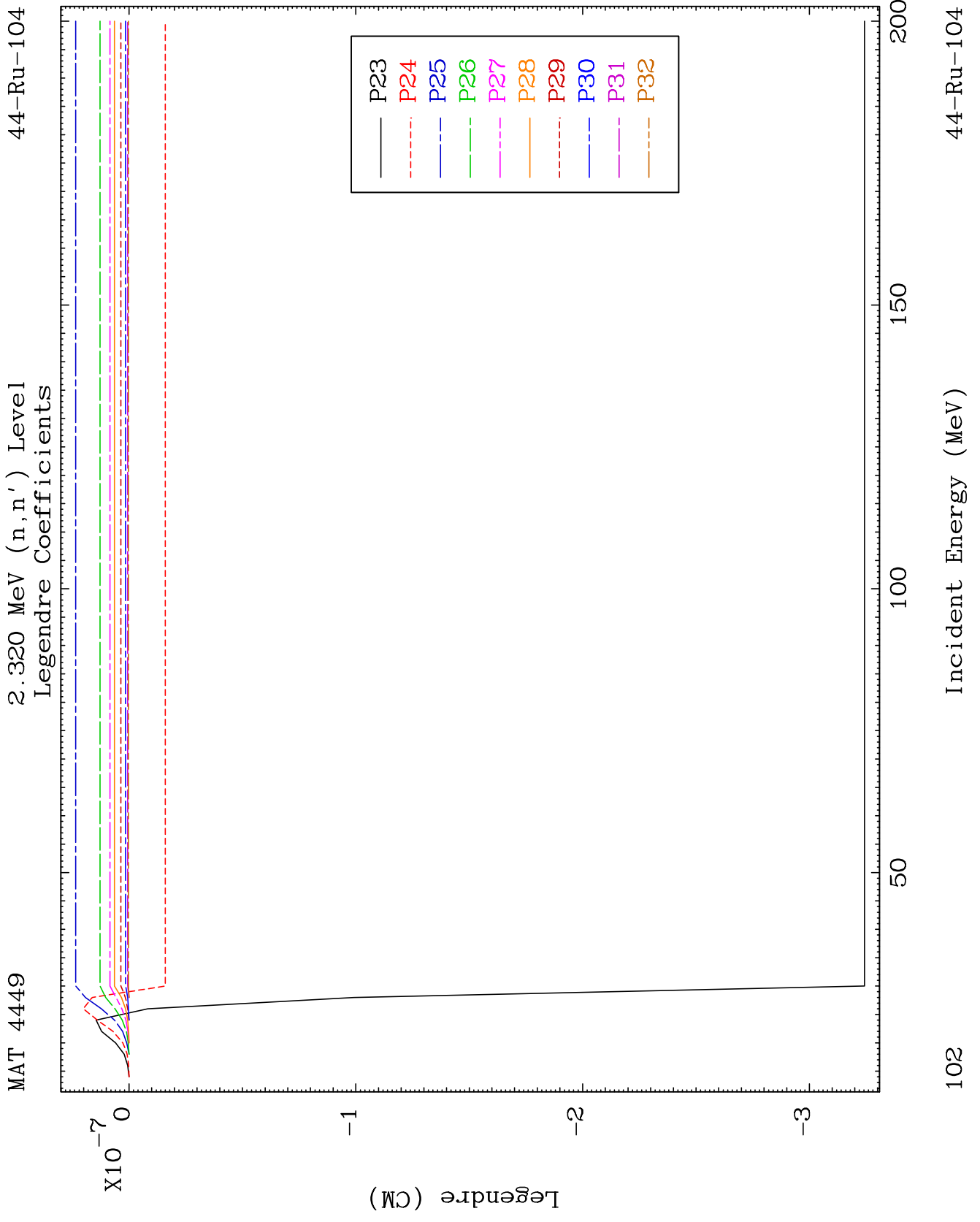
2.320 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



101

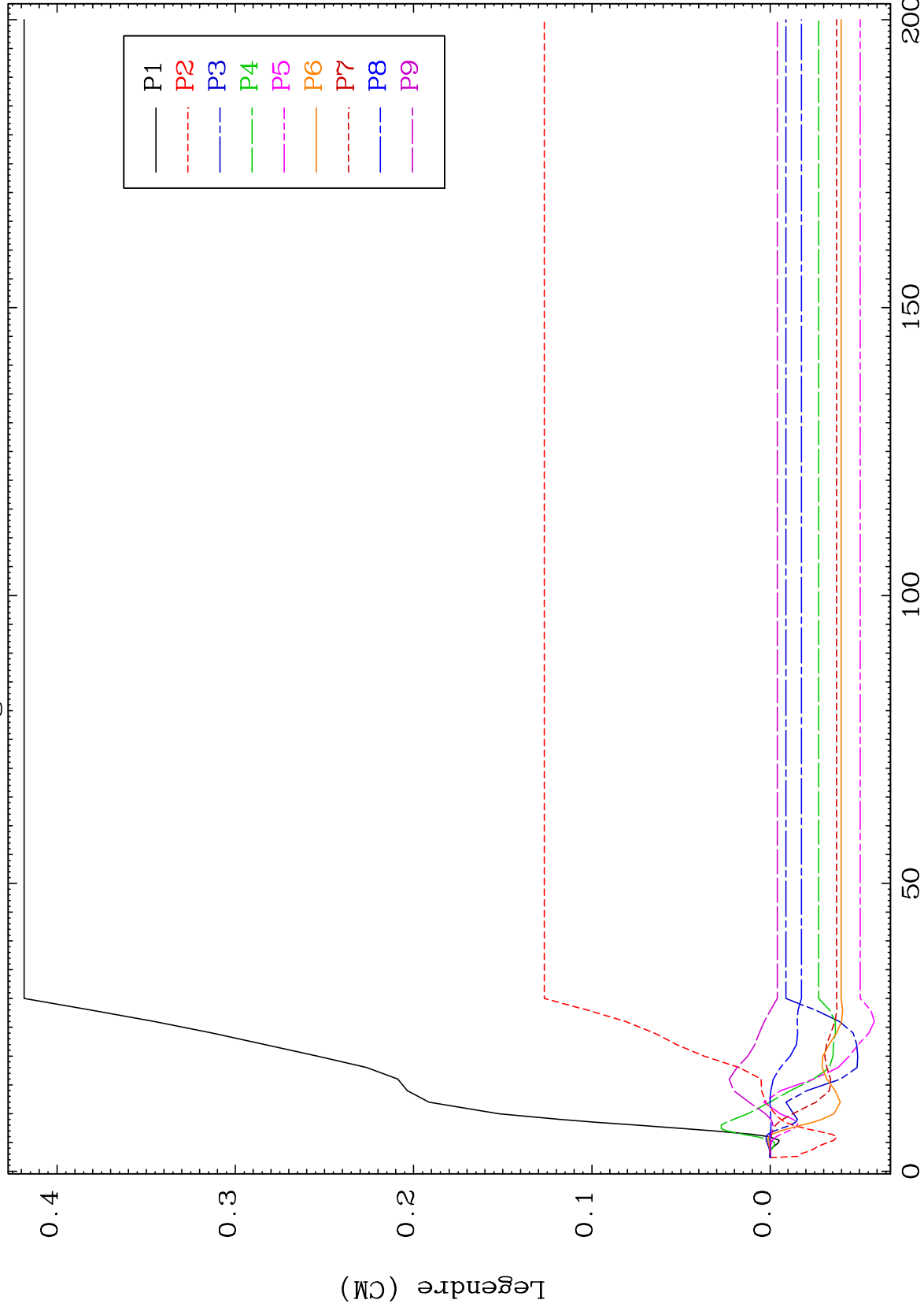
44-Ru-104



MAT 4449

2.329 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



103

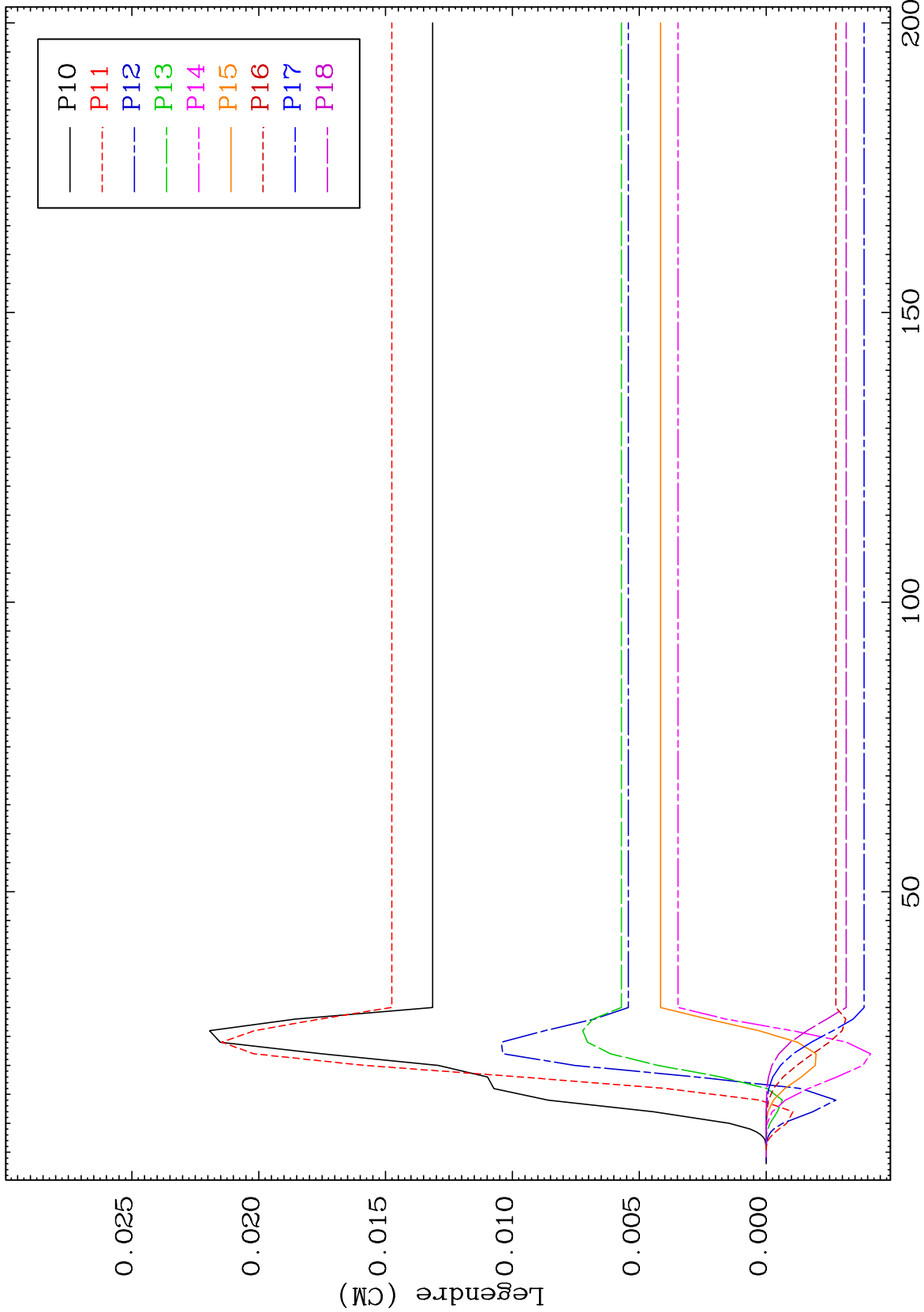
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.329 MeV (n, n') Level
Legendre Coefficients

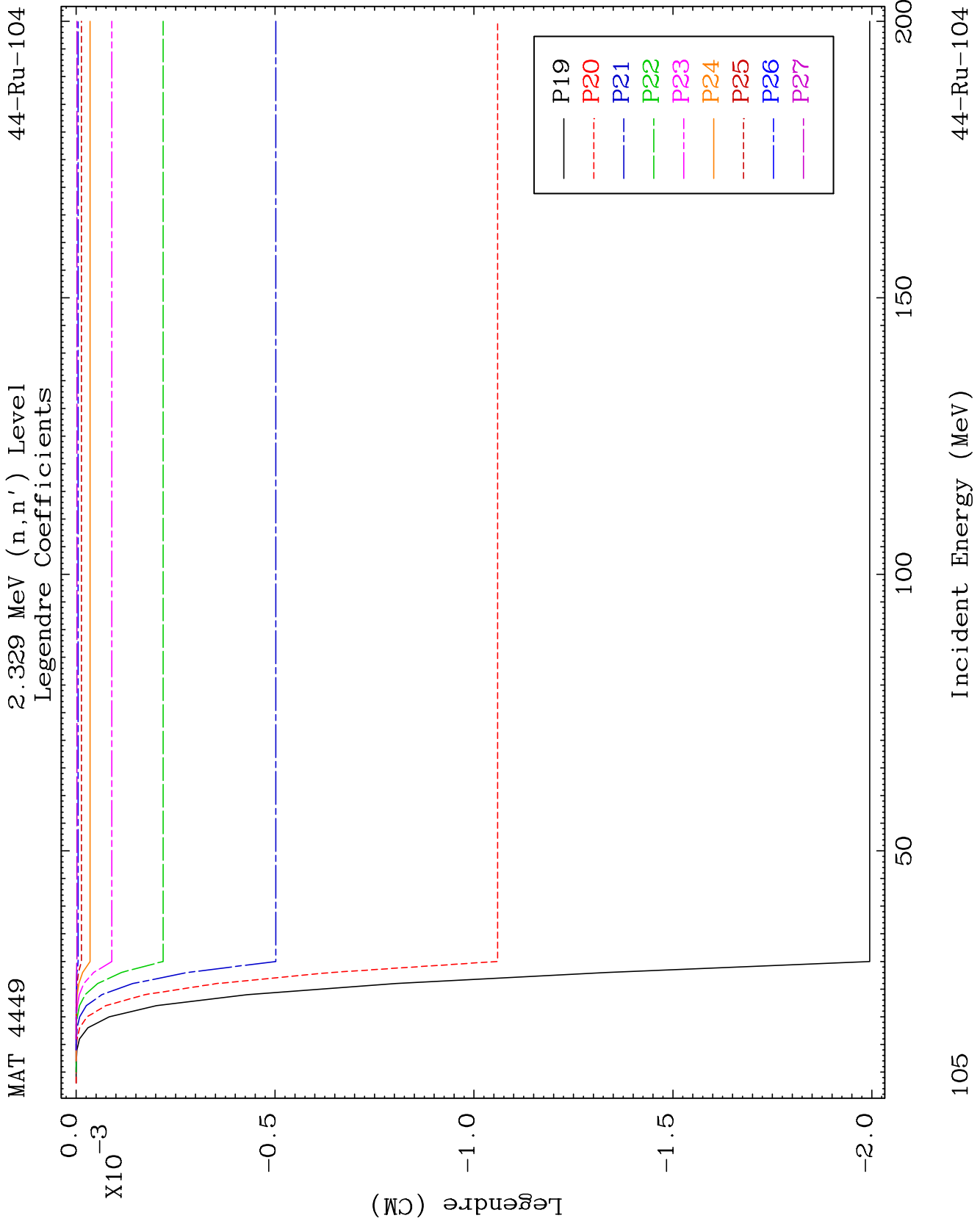
44-Ru-104

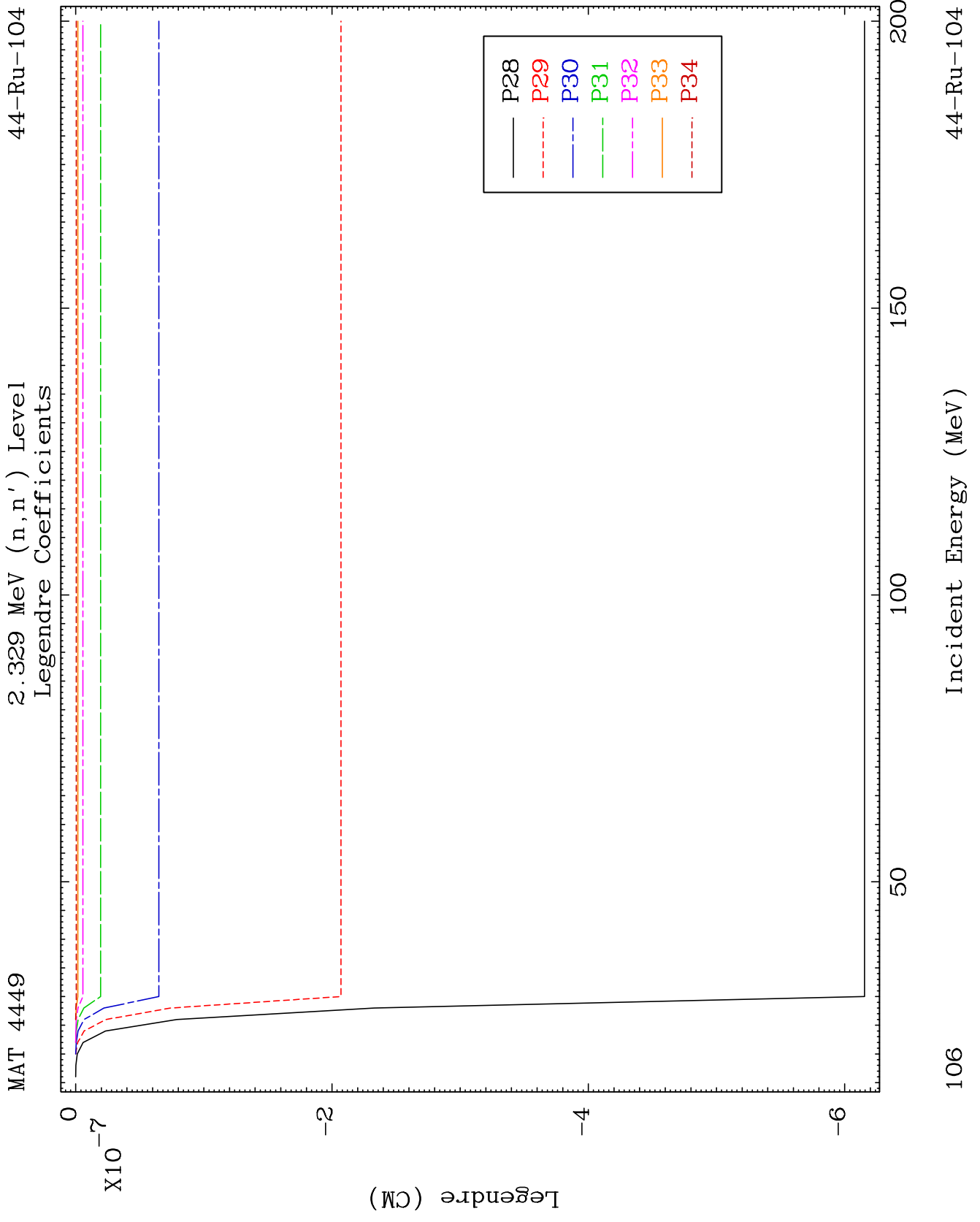


104

Incident Energy (MeV)

44-Ru-104

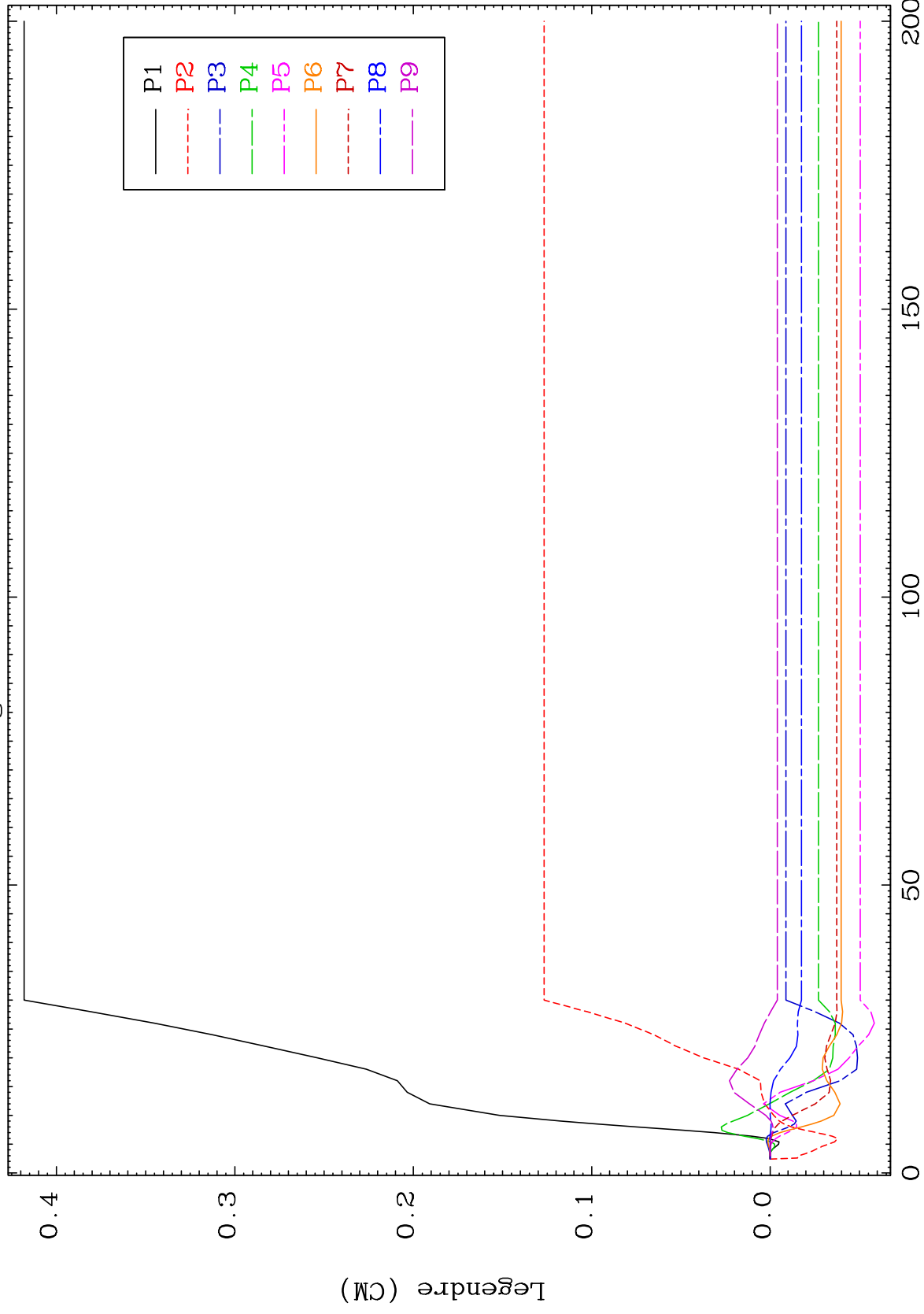




MAT 4449

2.374 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



107

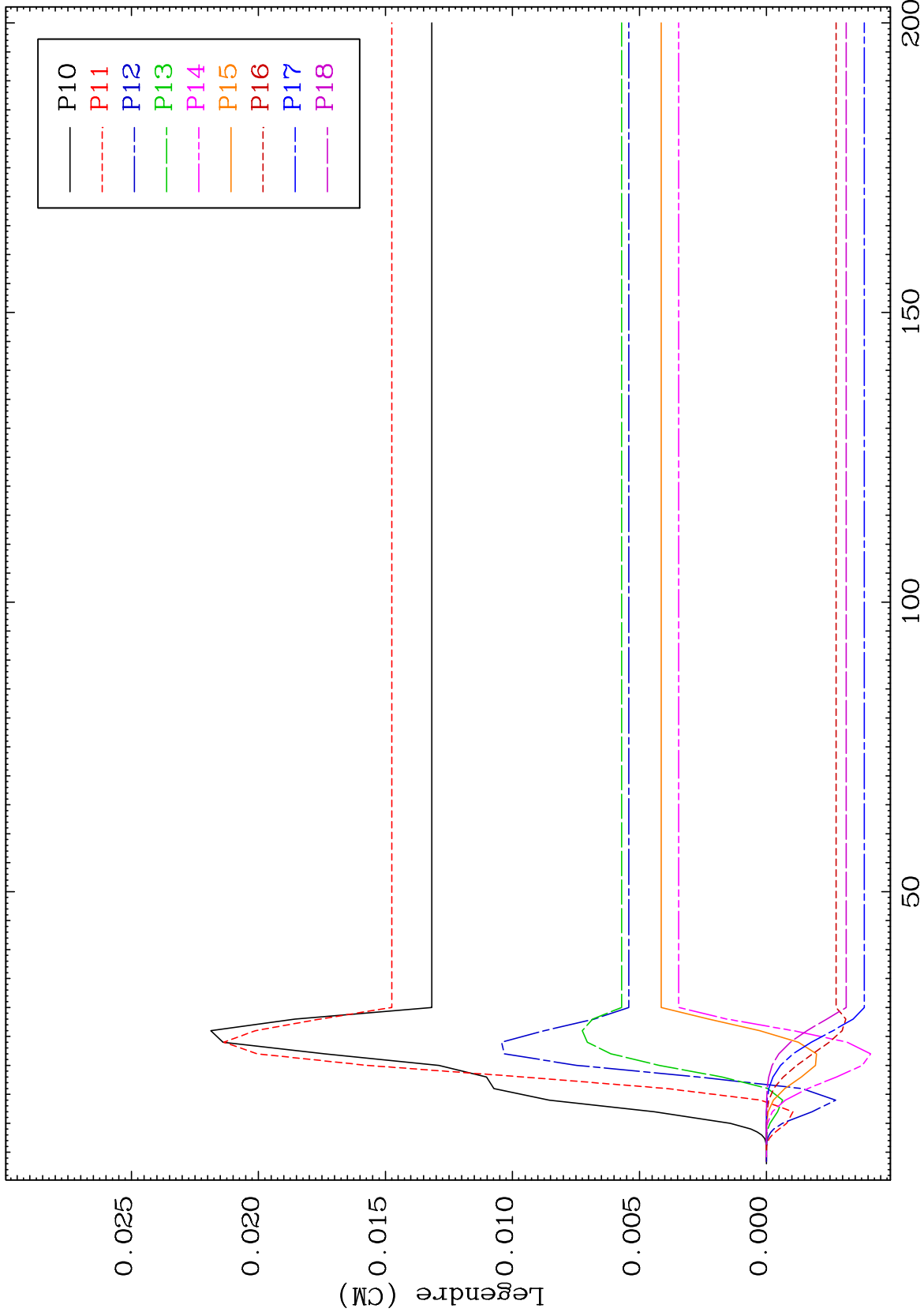
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.374 MeV (n, n') Level
Legendre Coefficients

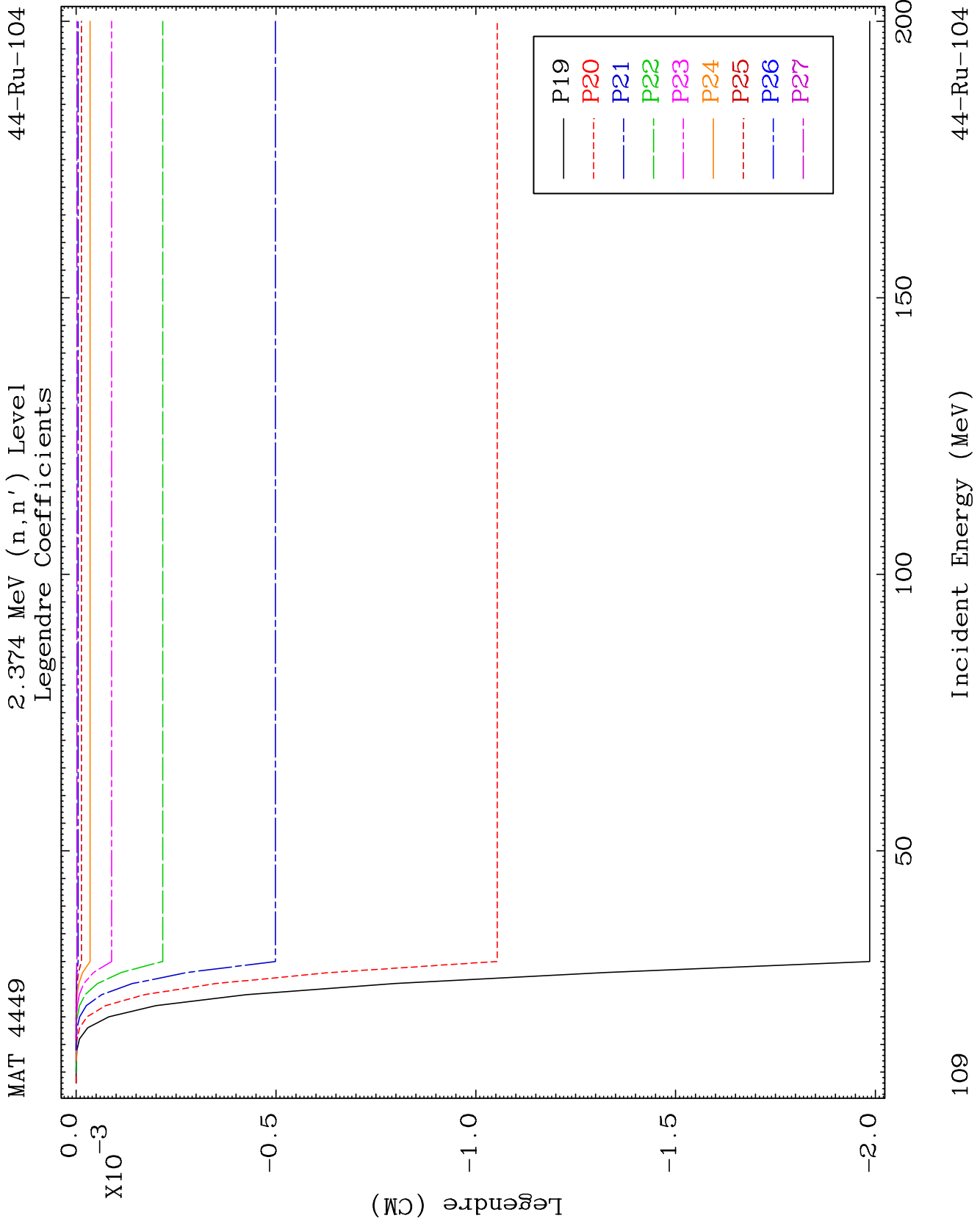
44-Ru-104

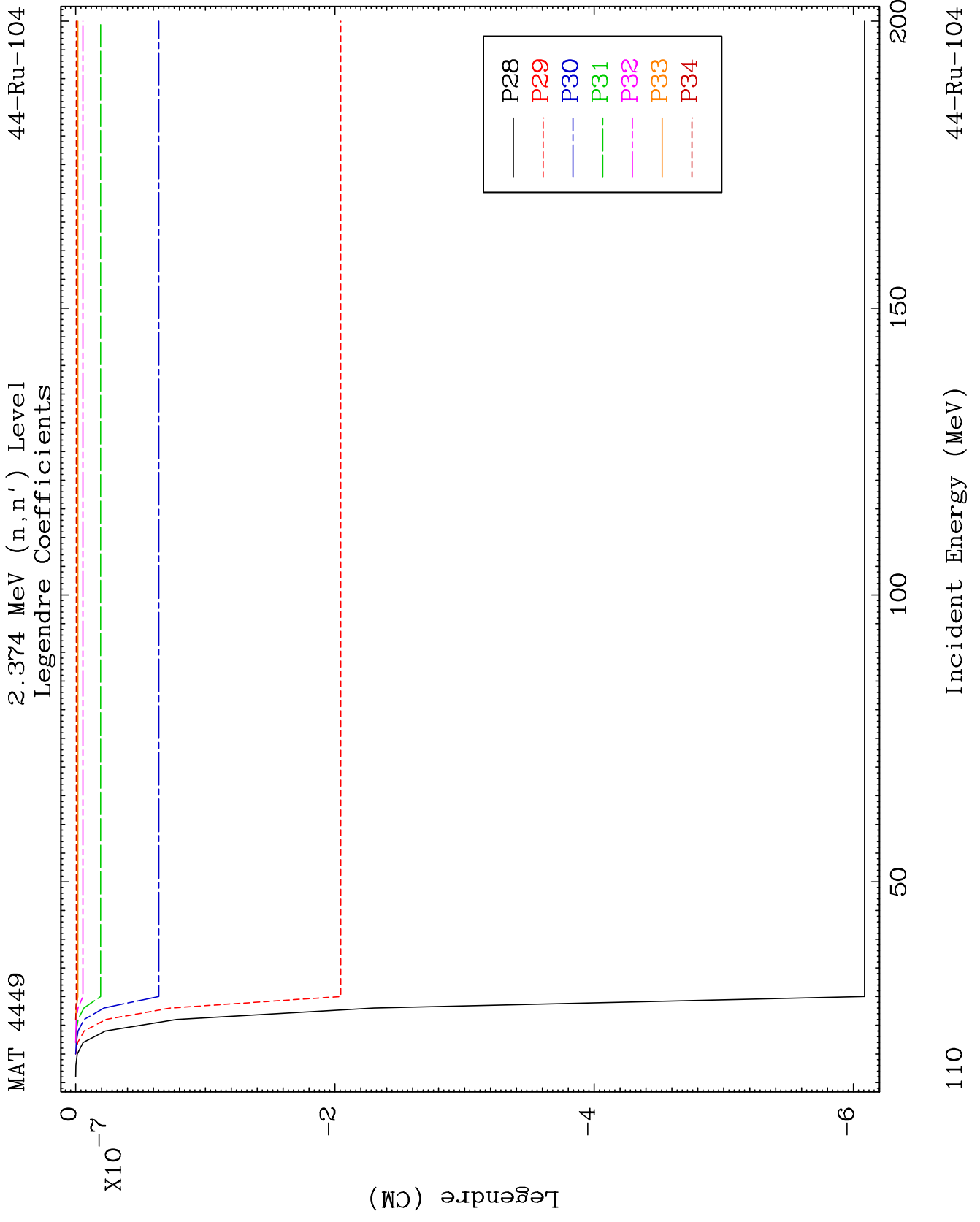


108

Incident Energy (MeV)

44-Ru-104

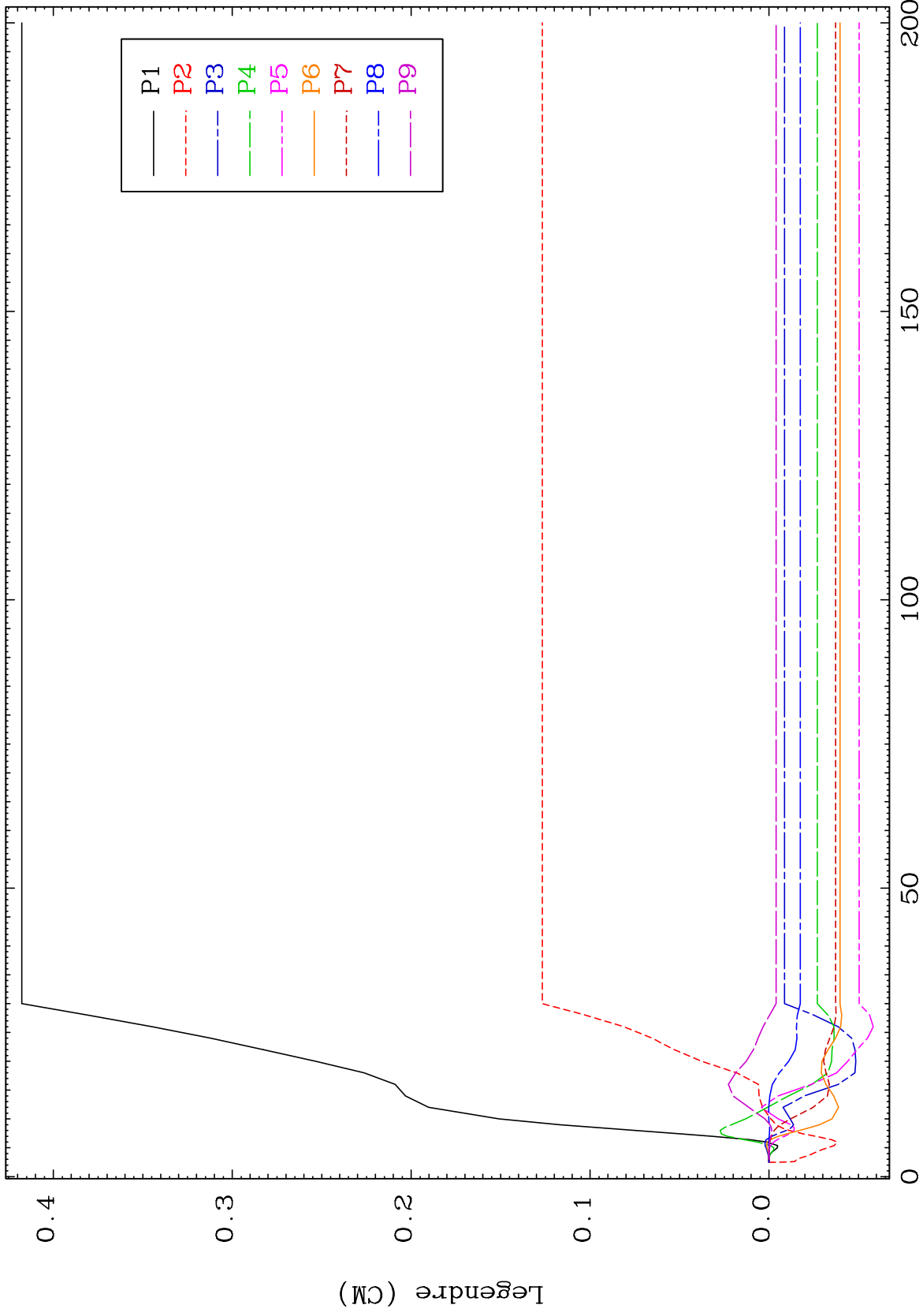




MAT 4449

2.430 MeV (n,n') Level
Legendre Coefficients

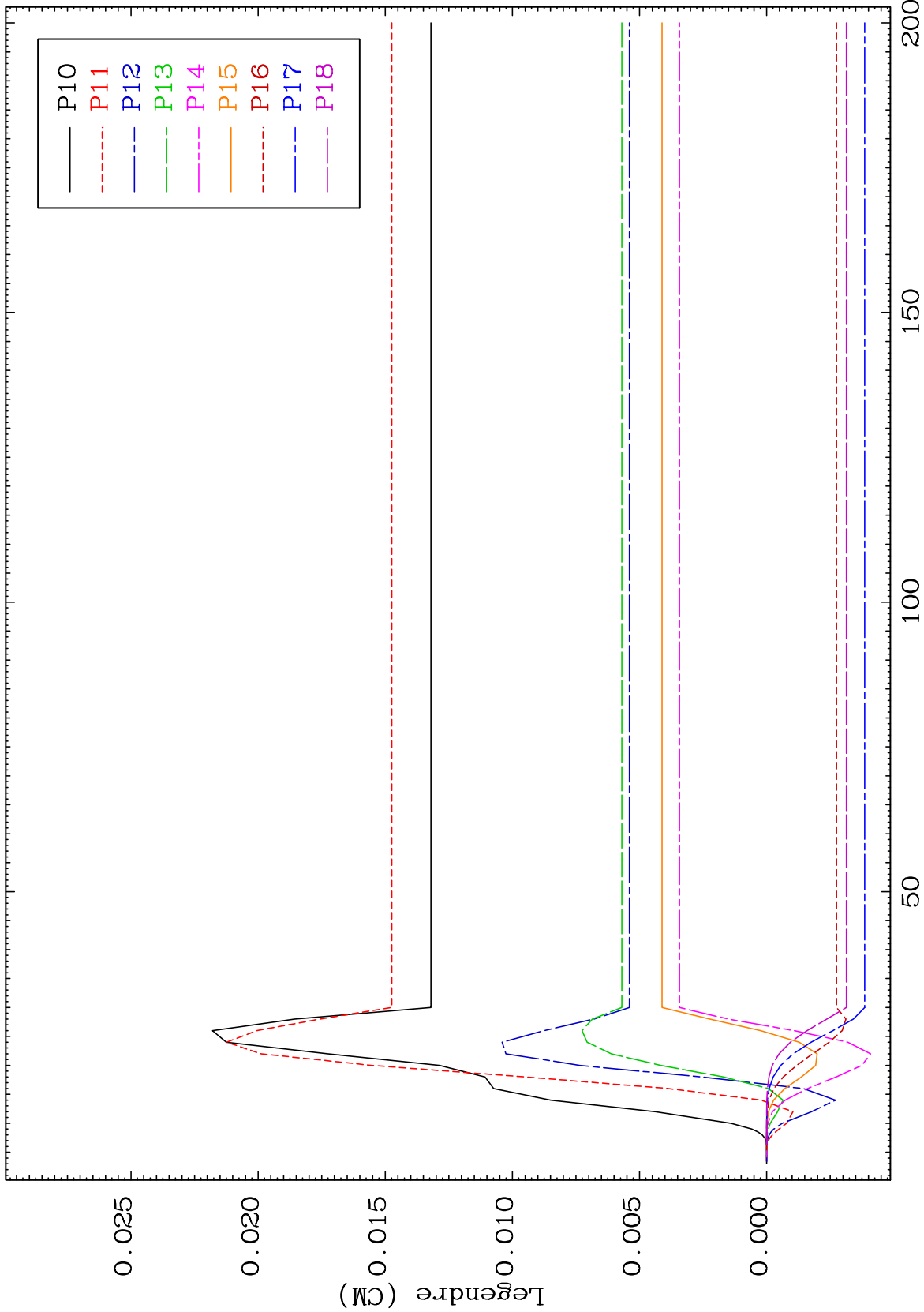
44-Ru-104

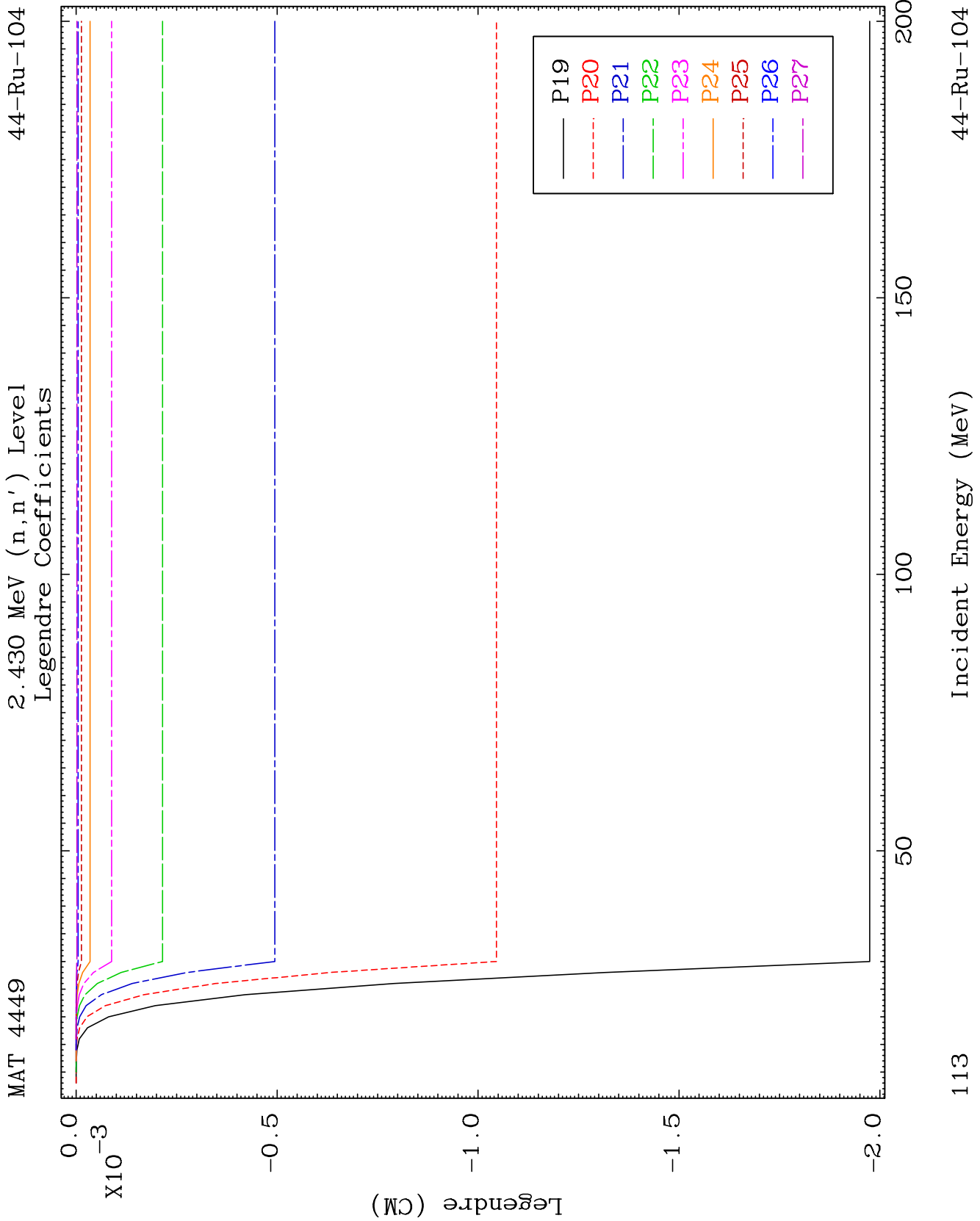


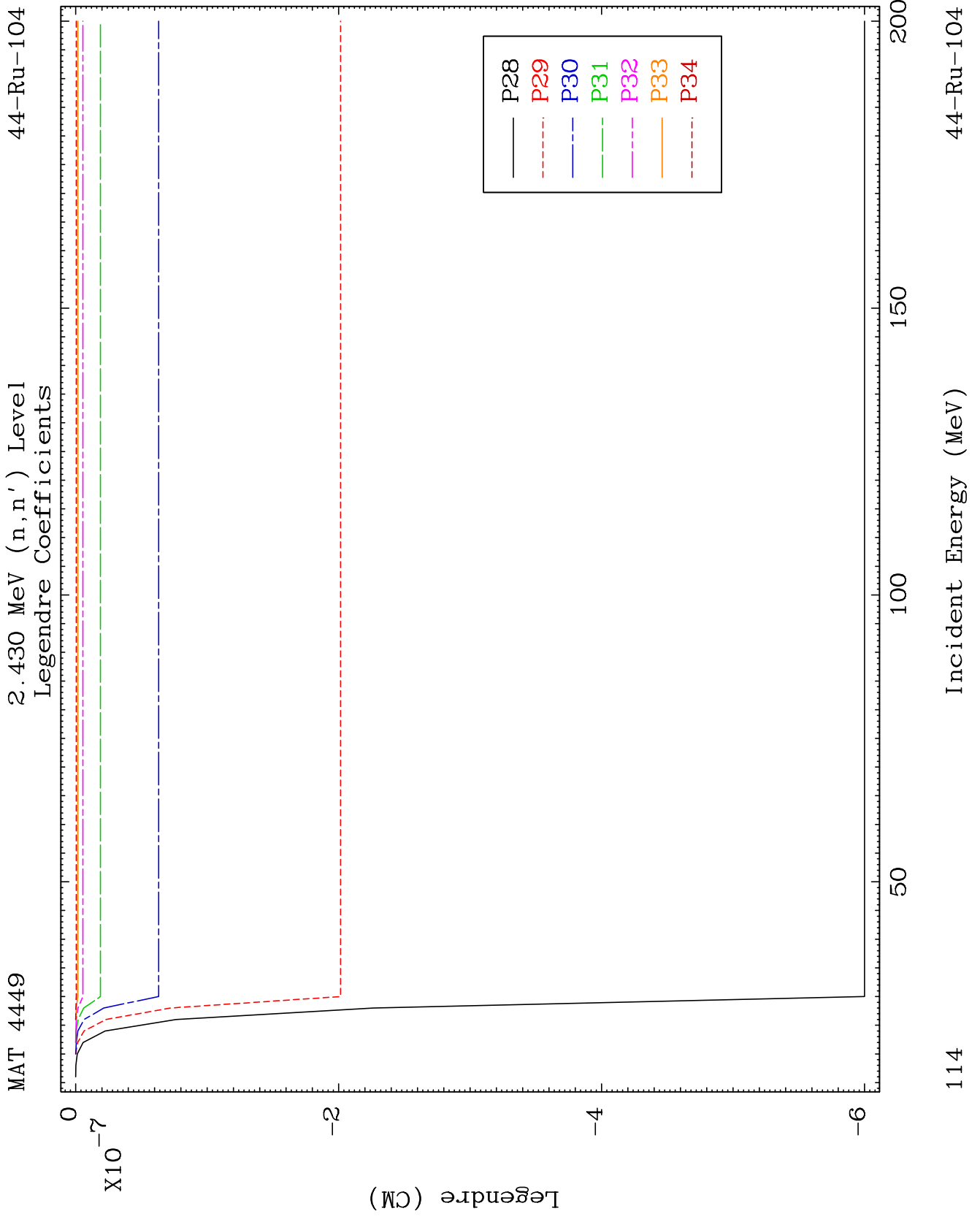
111

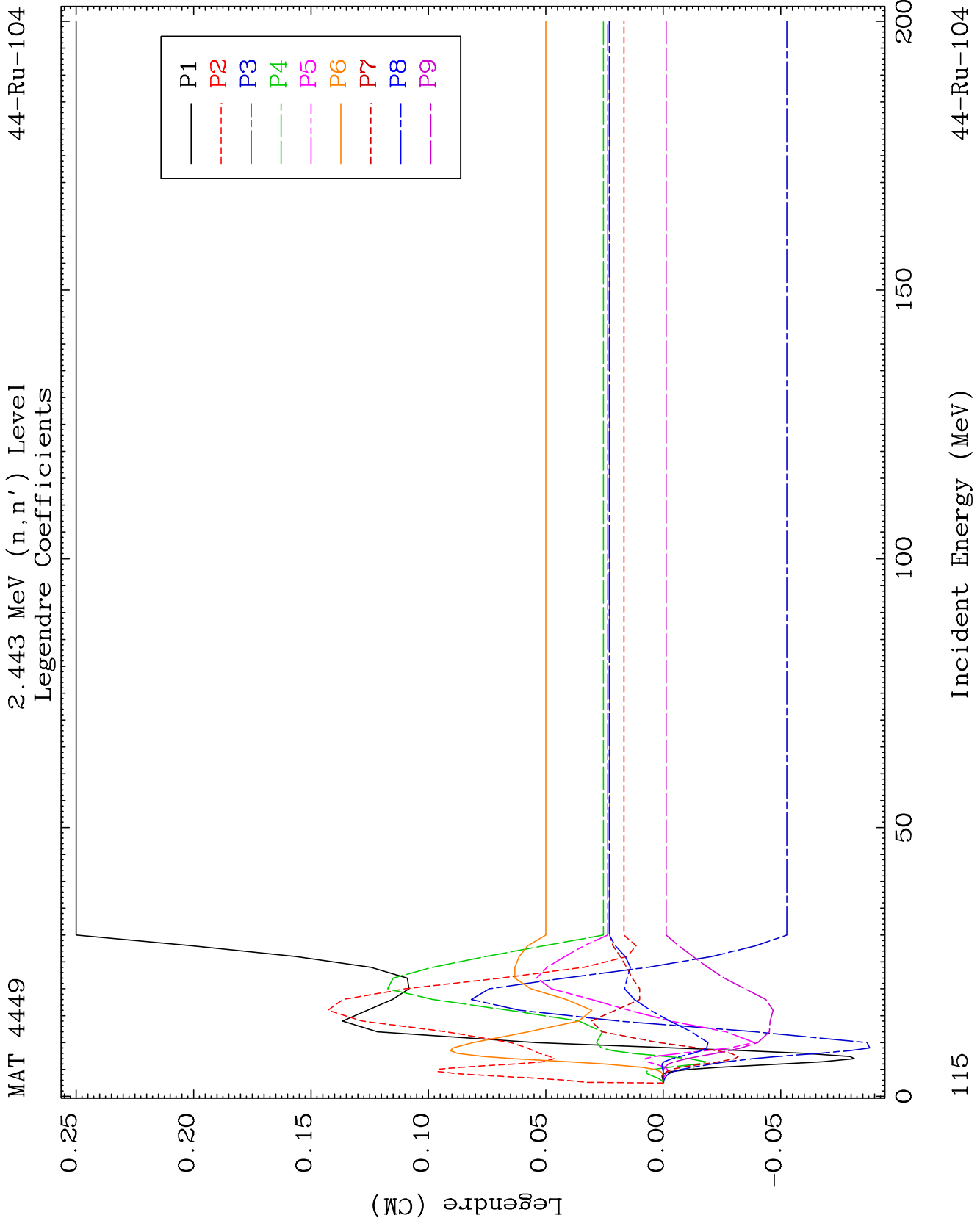
Incident Energy (MeV)

44-Ru-104





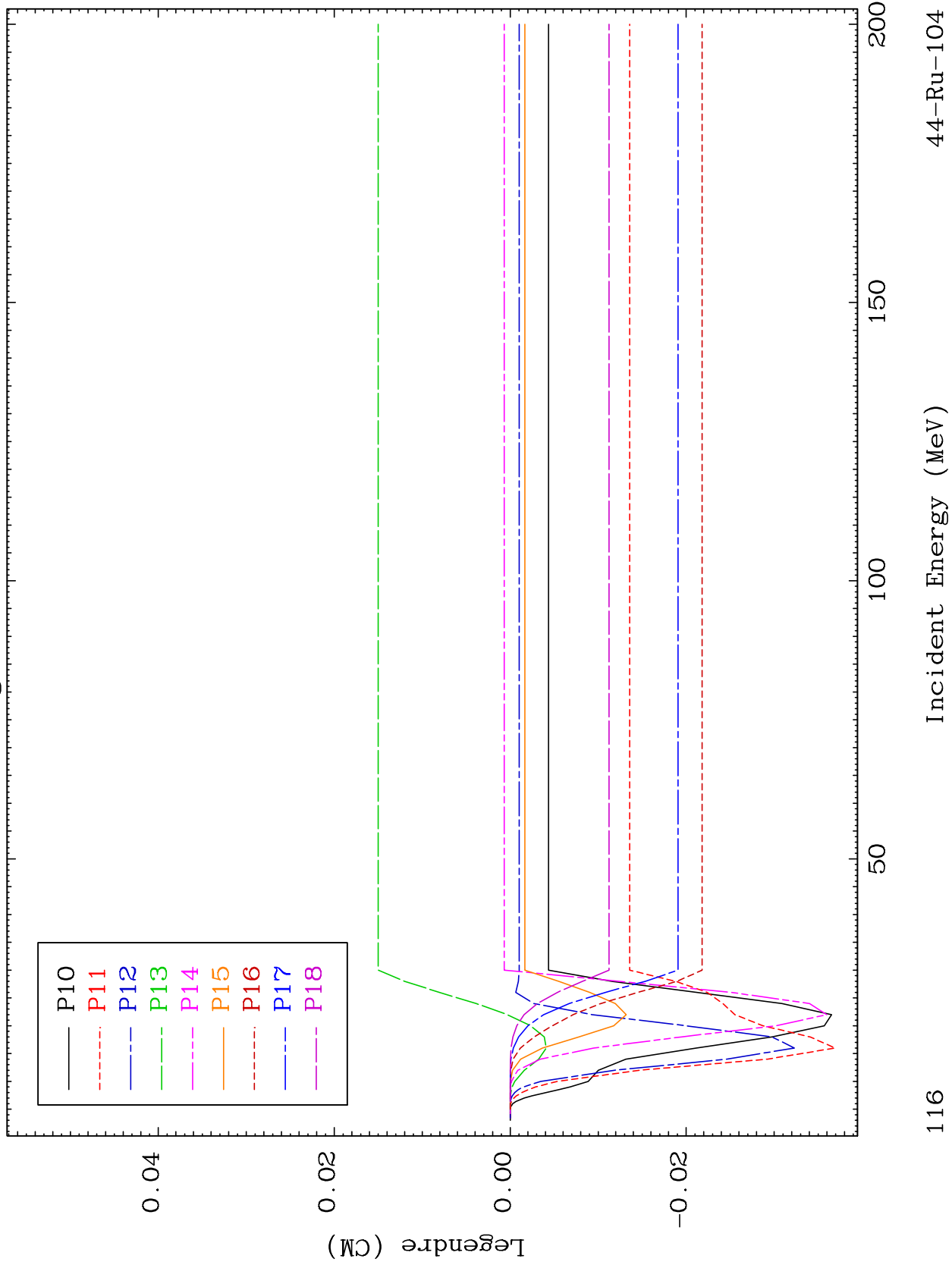


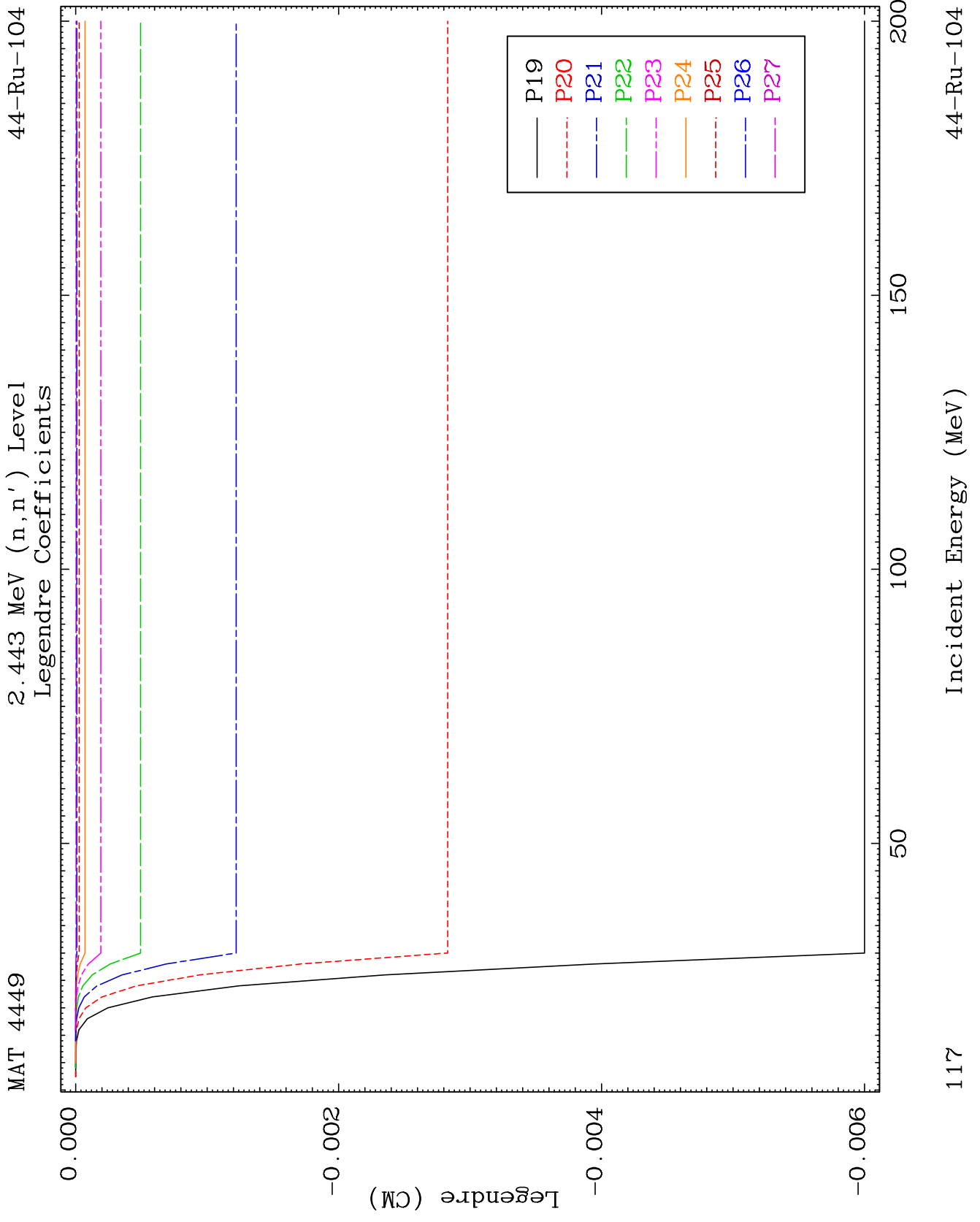


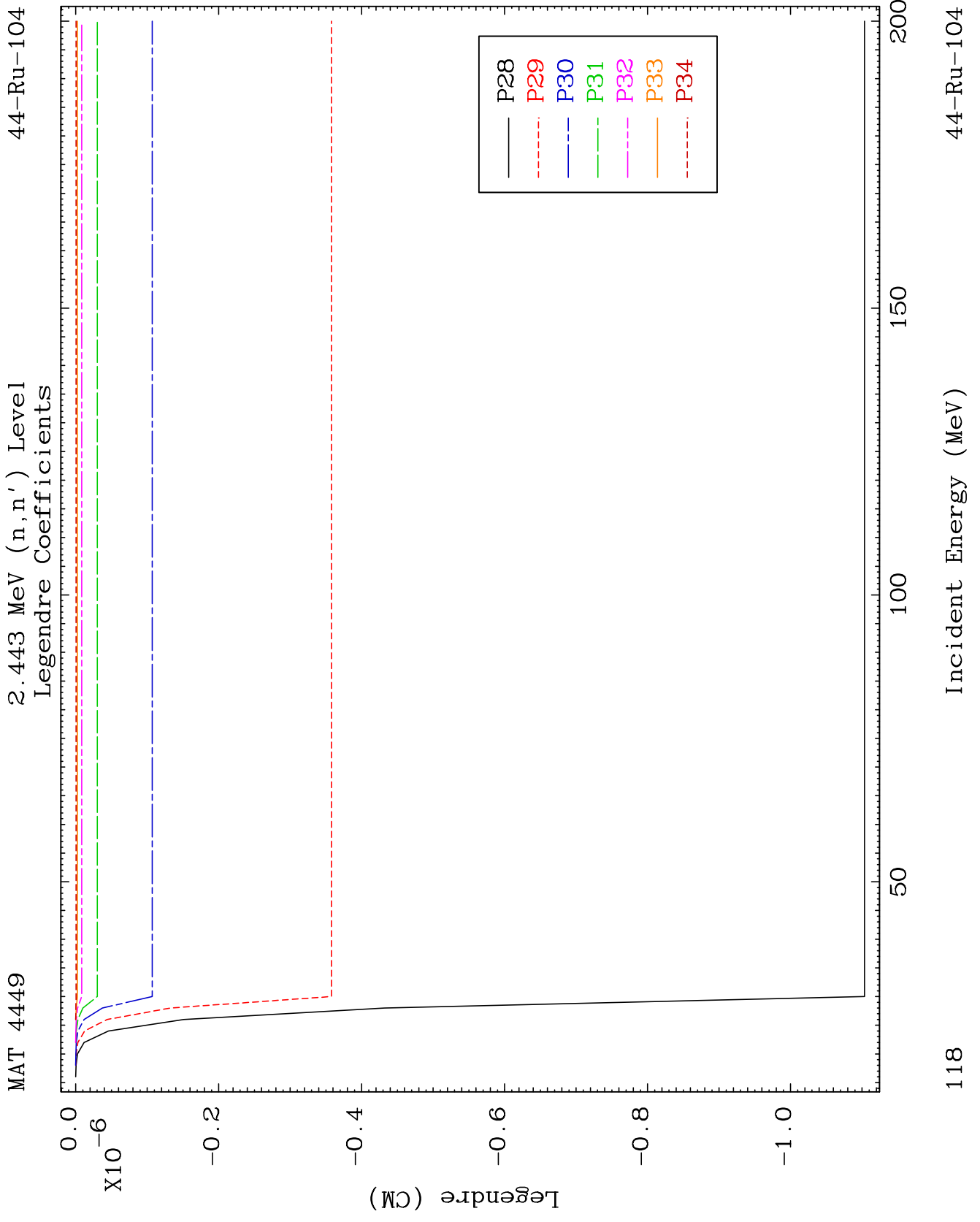
MAT 4449

2.443 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



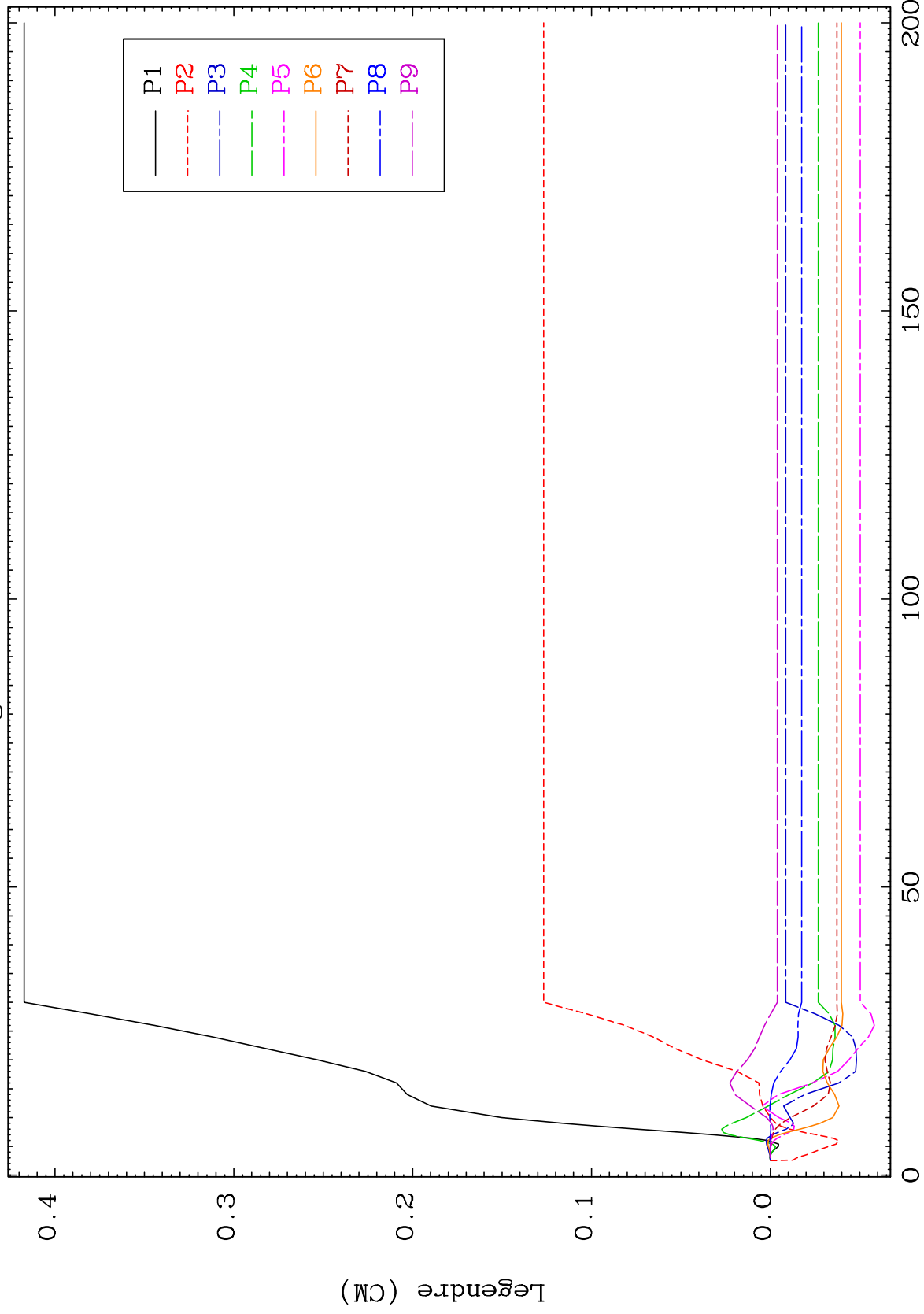




MAT 4449

2.482 MeV (n,n') Level
Legendre Coefficients

44-Ru-104



119

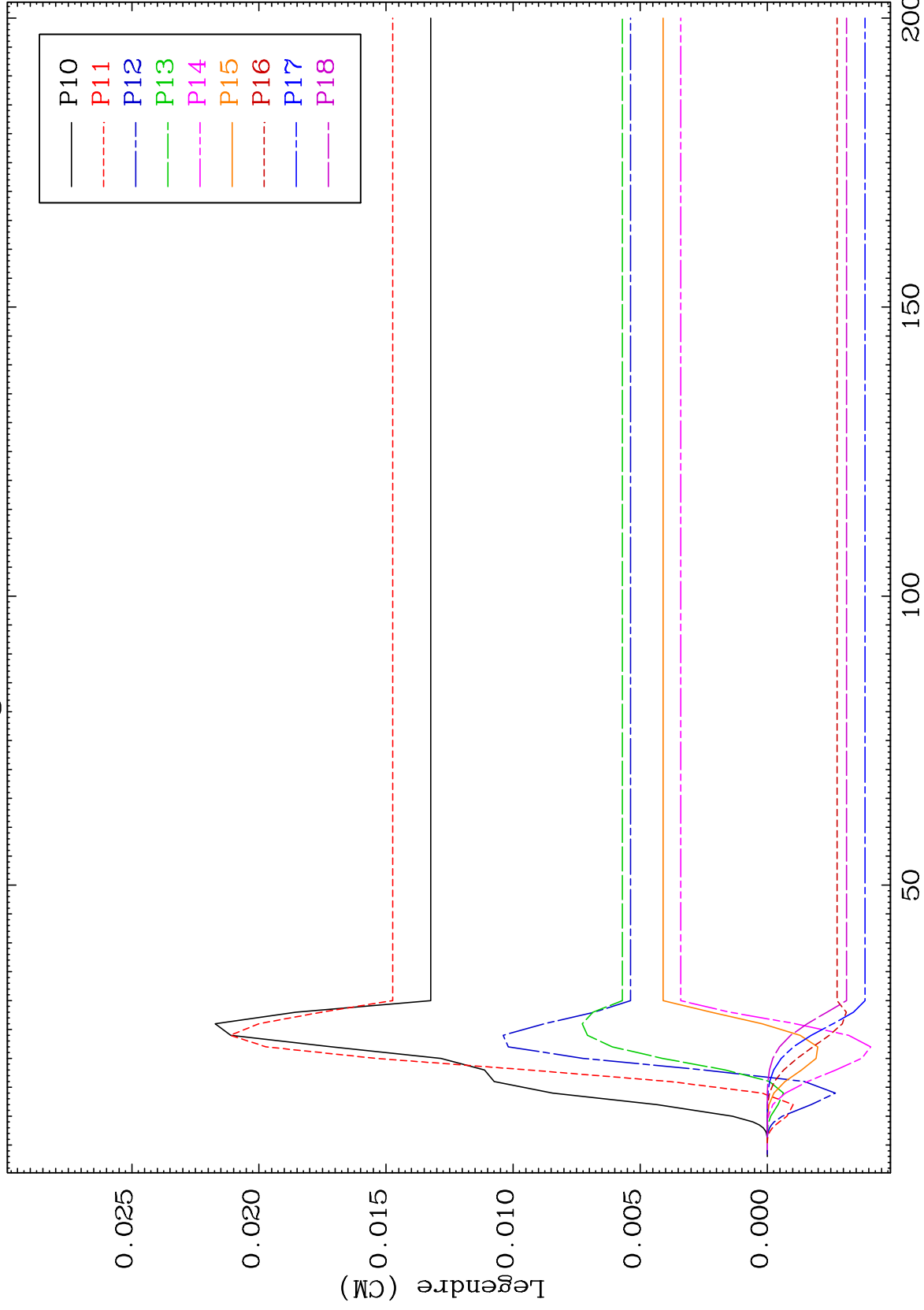
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.482 MeV (n, n') Level
Legendre Coefficients

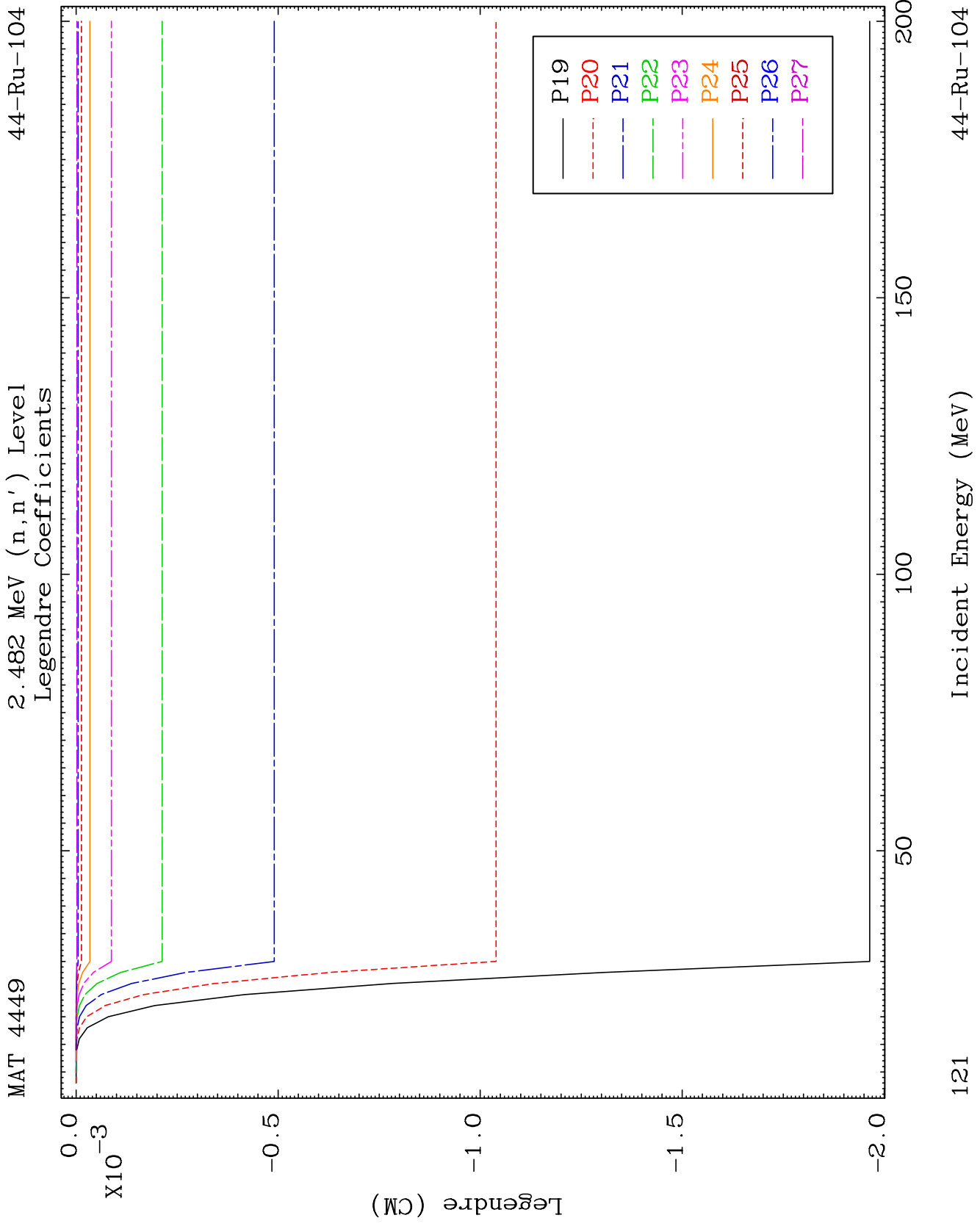
44-Ru-104

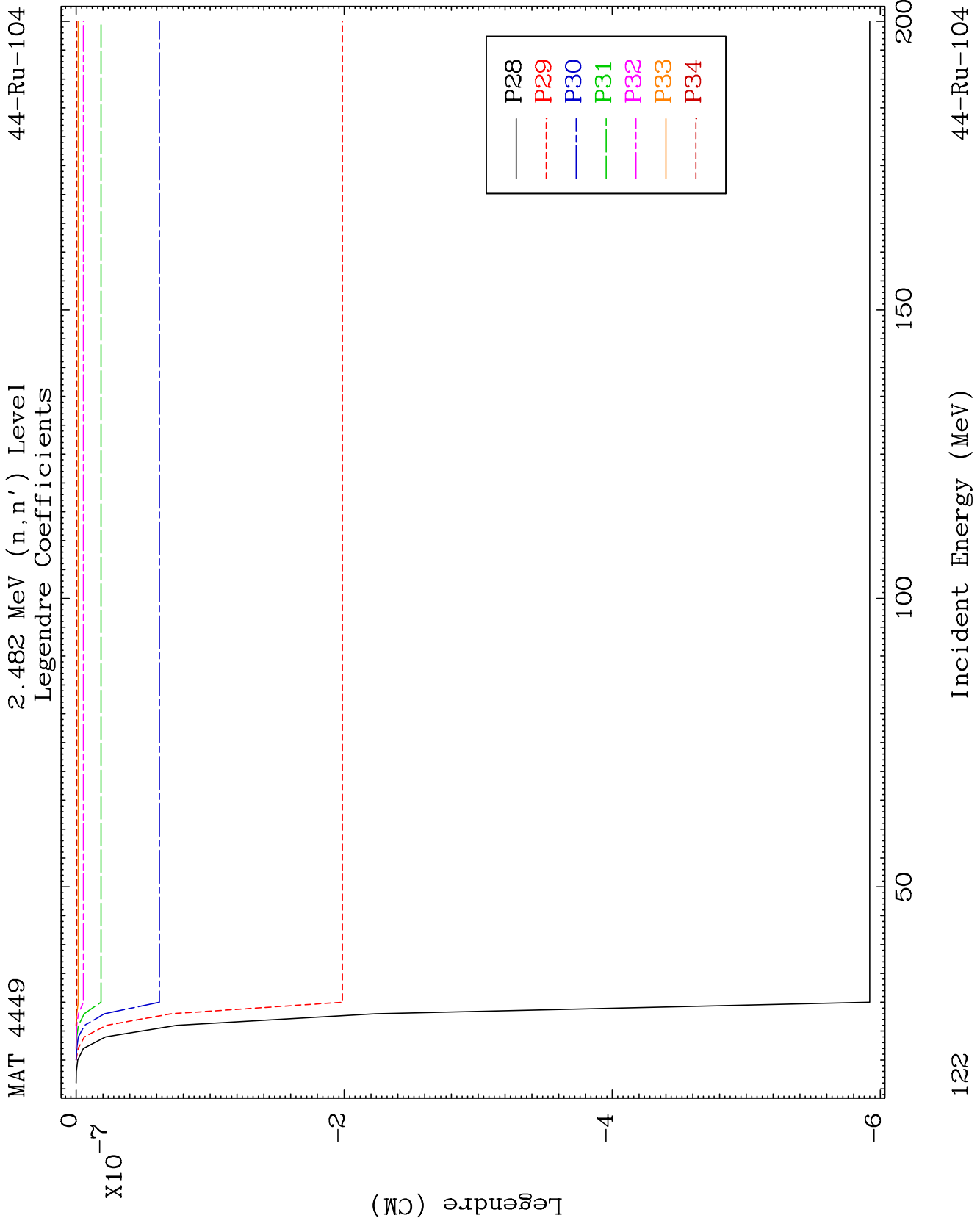


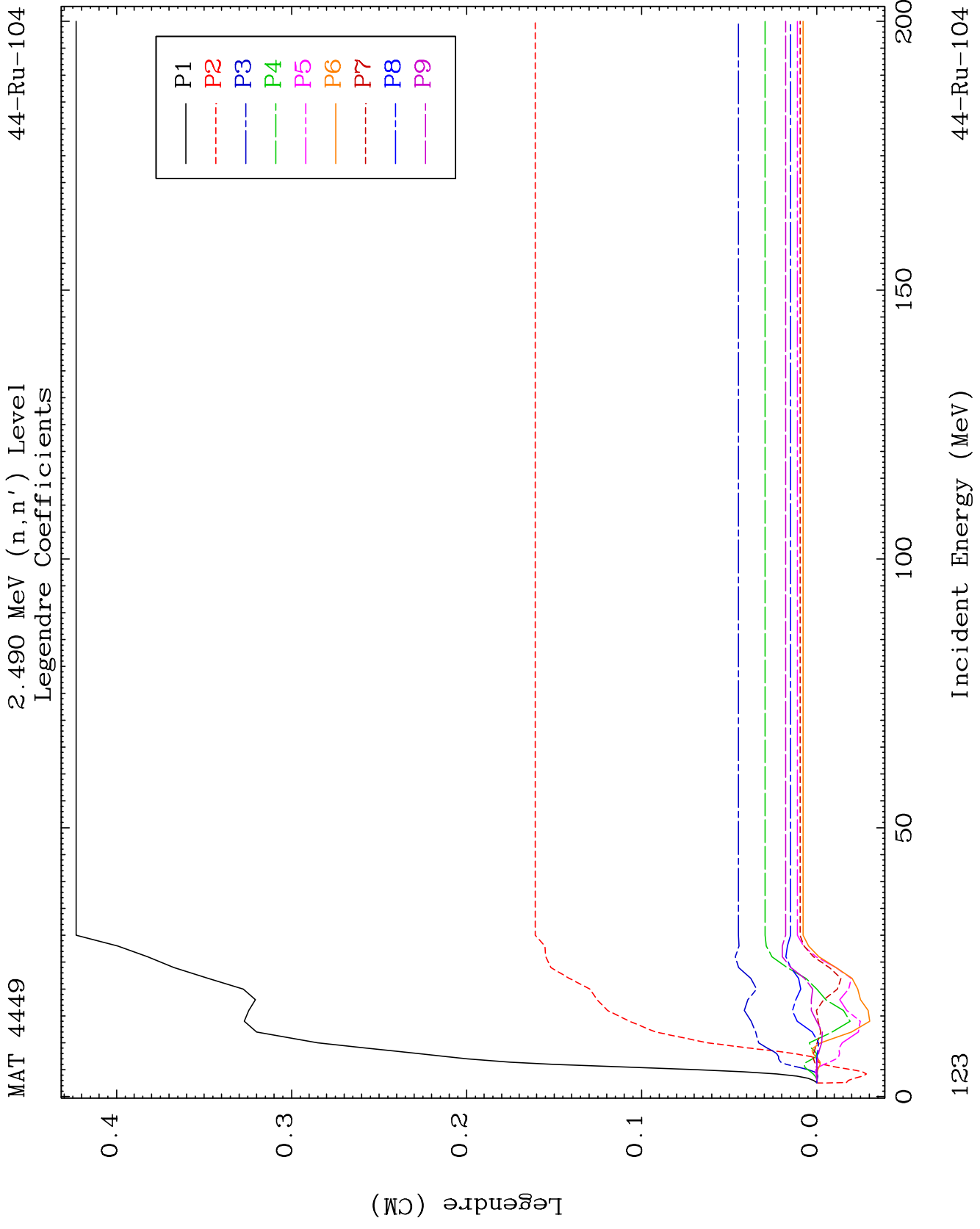
120

Incident Energy (MeV)

44-Ru-104



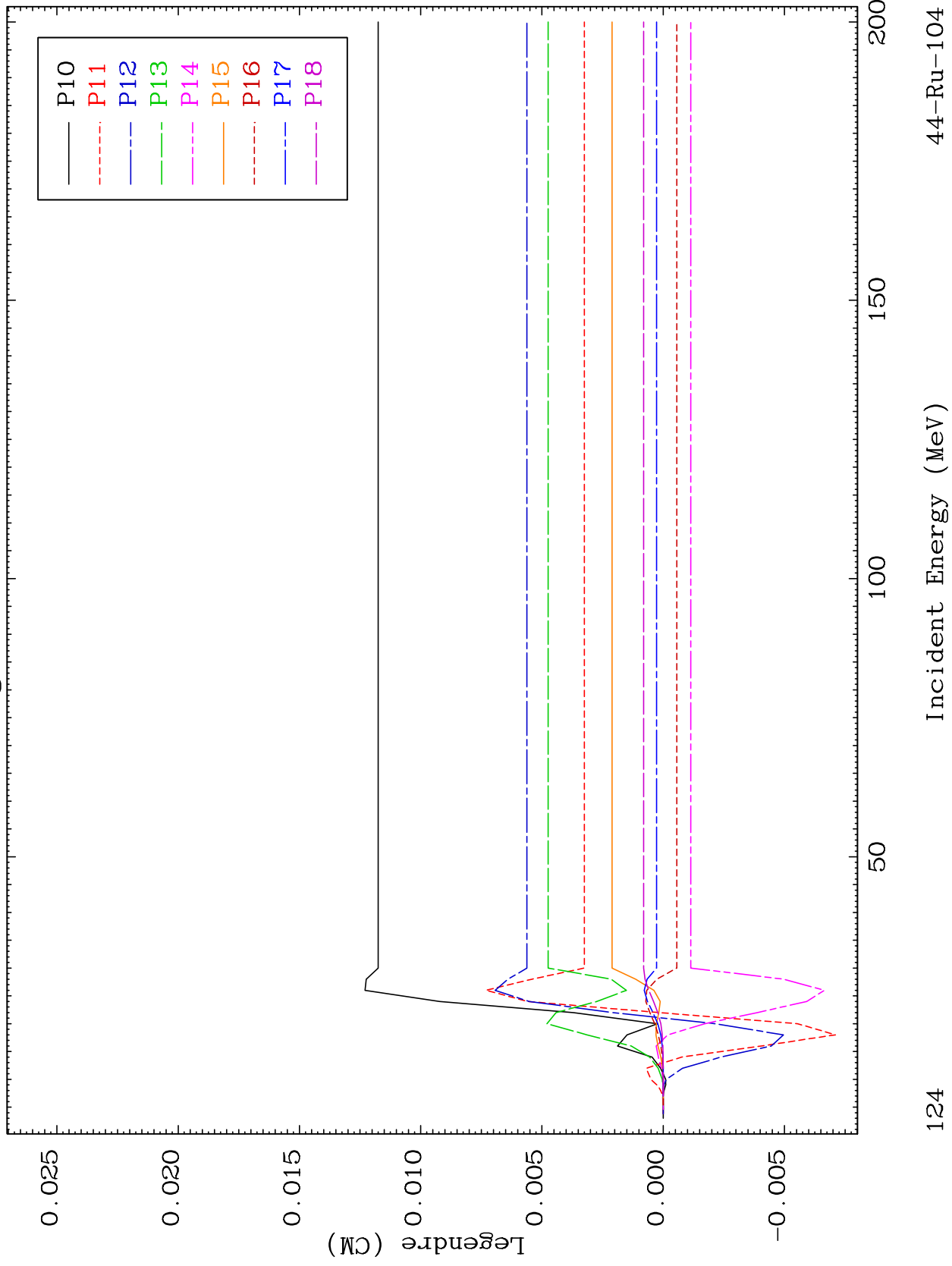




MAT 4449

2.490 MeV (n, n') Level
Legendre Coefficients

44-Ru-104



124

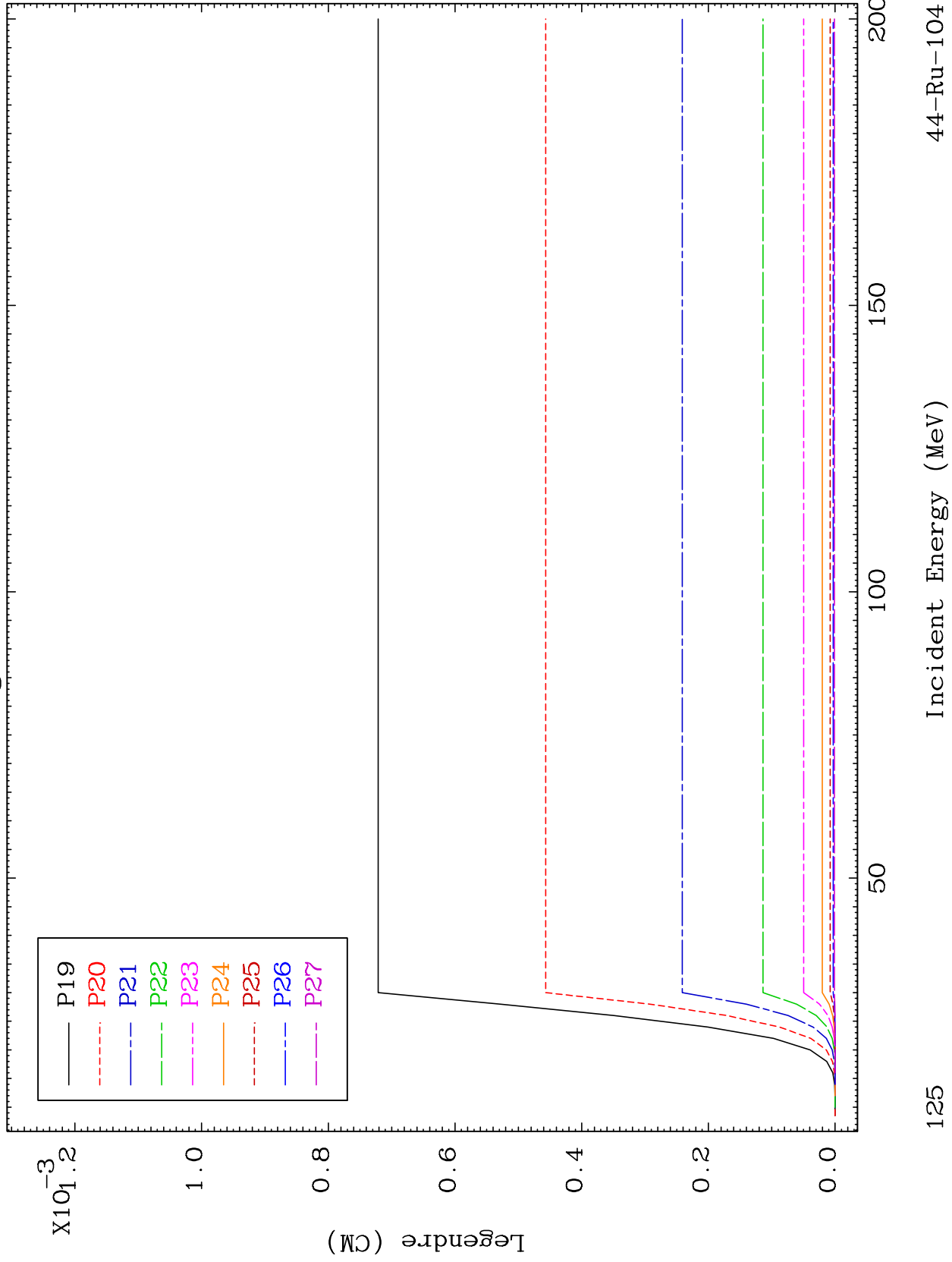
Incident Energy (MeV)

44-Ru-104

MAT 4449

2.490 MeV (n, n') Level
Legendre Coefficients

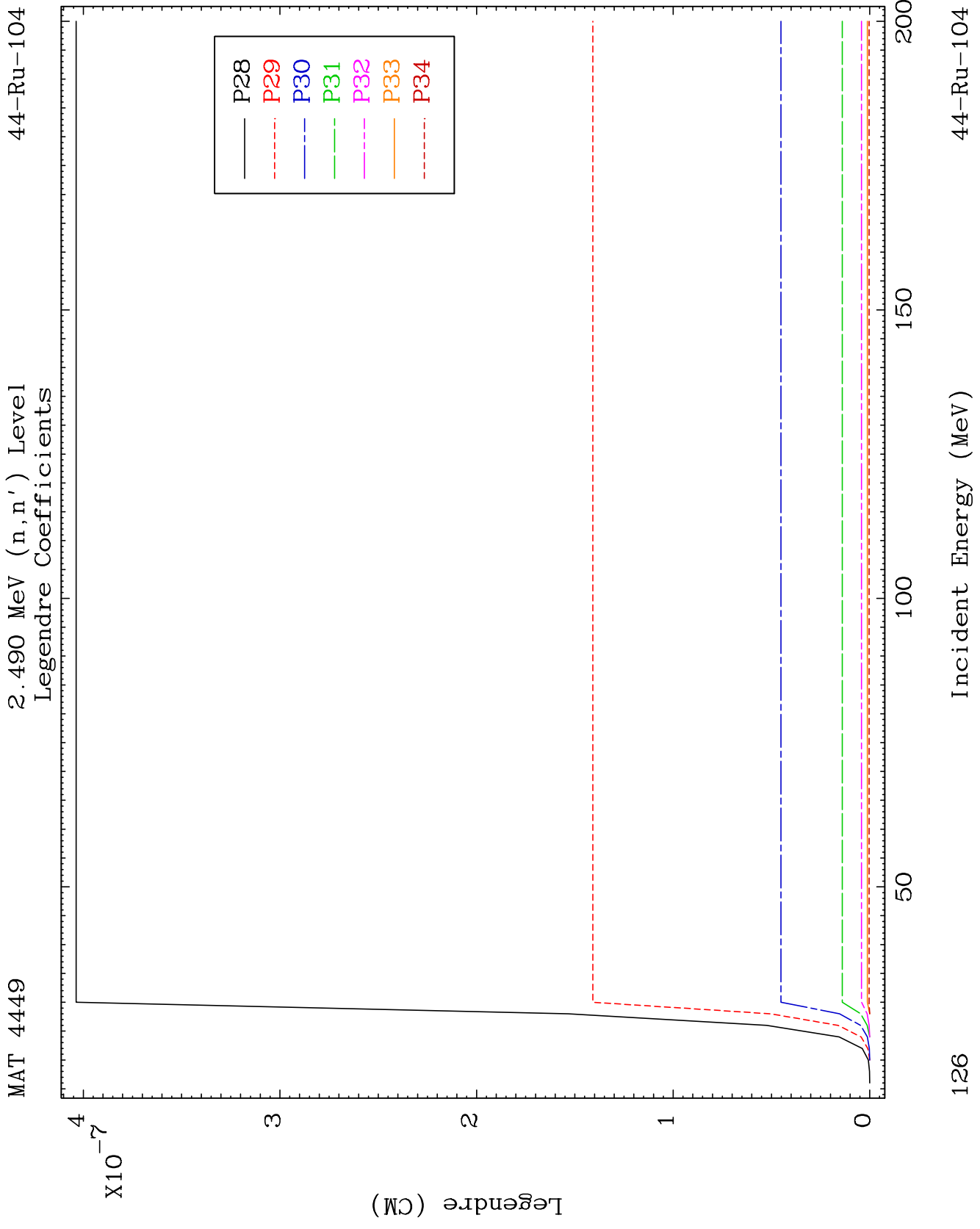
44-Ru-104

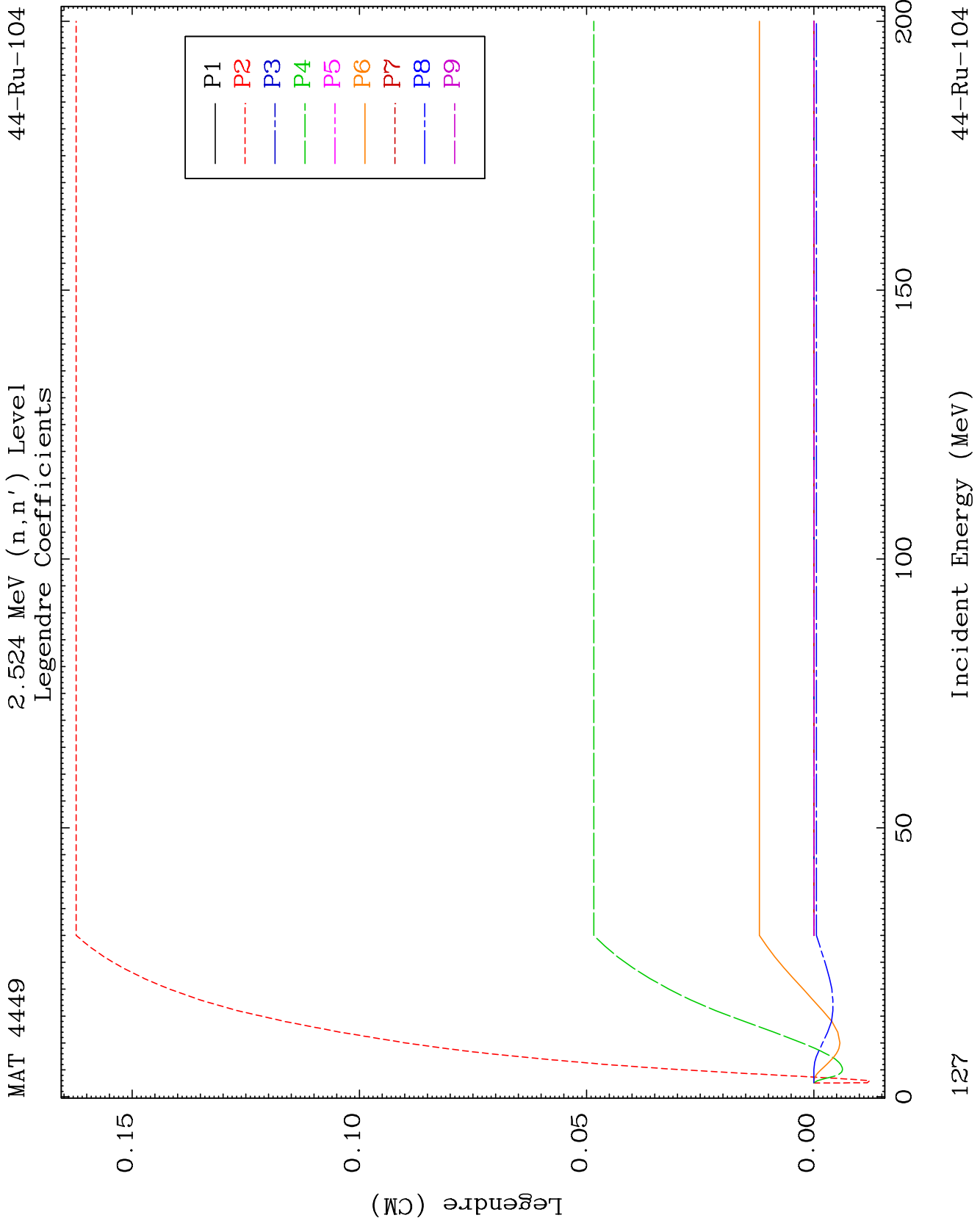


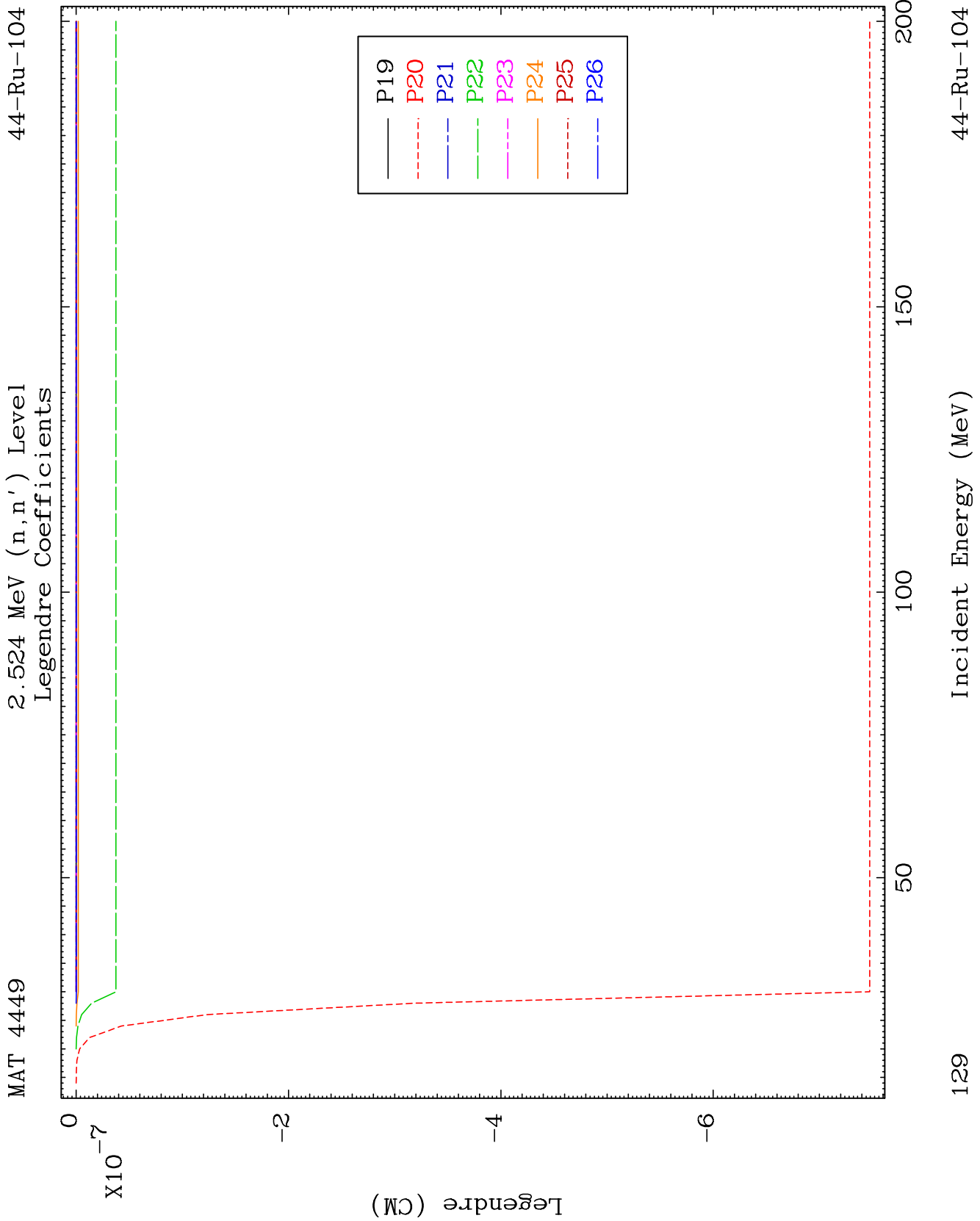
125

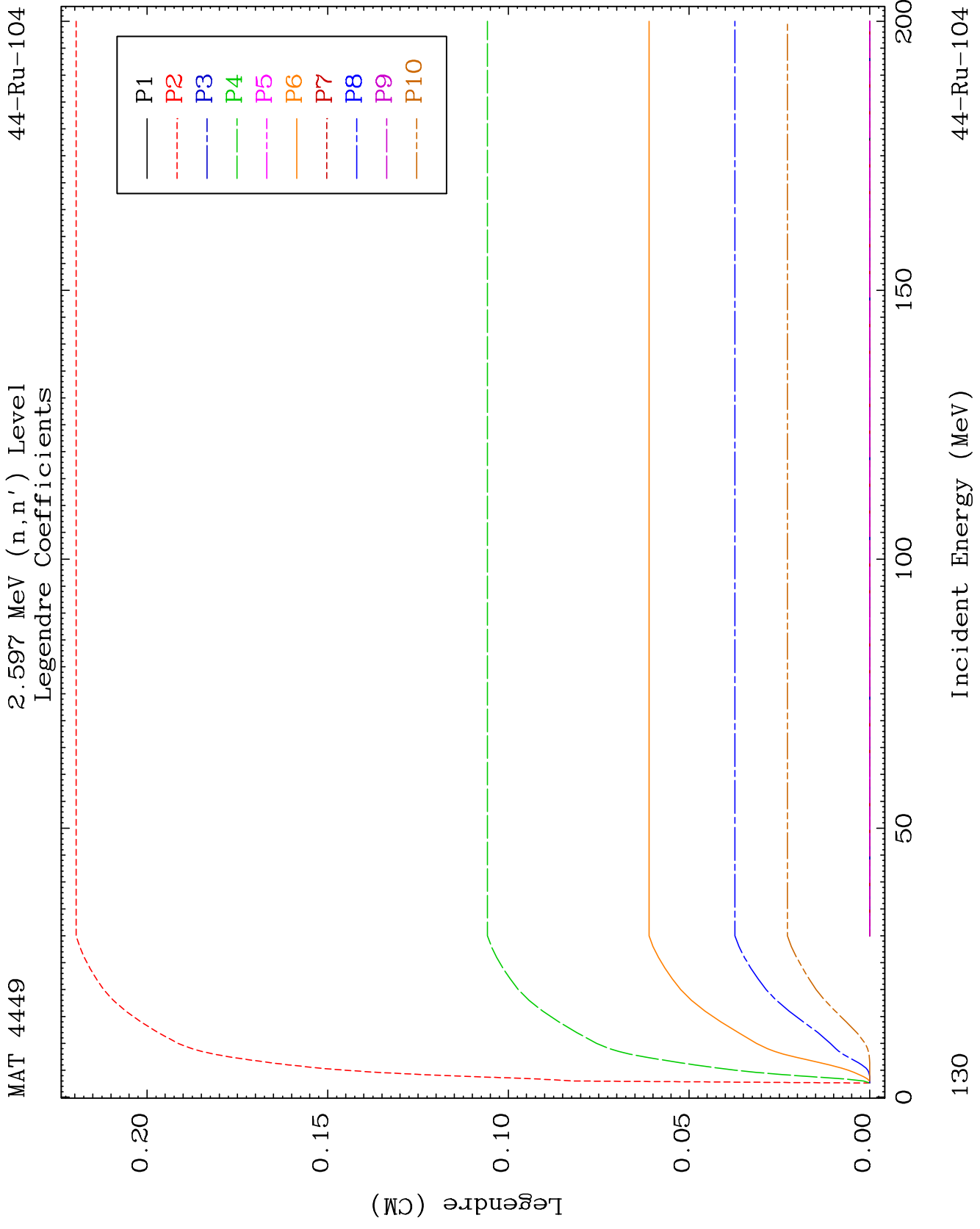
Incident Energy (MeV)

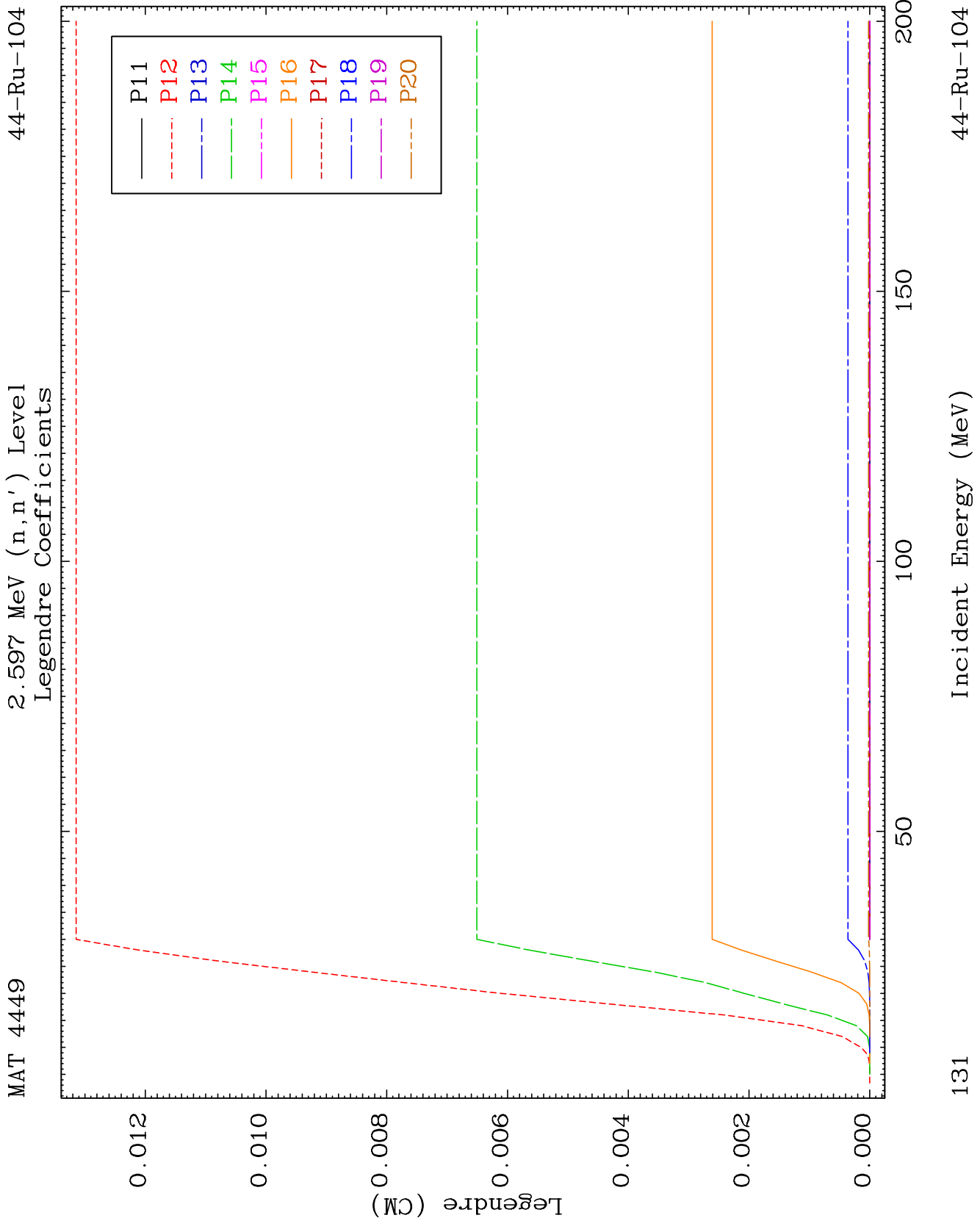
44-Ru-104

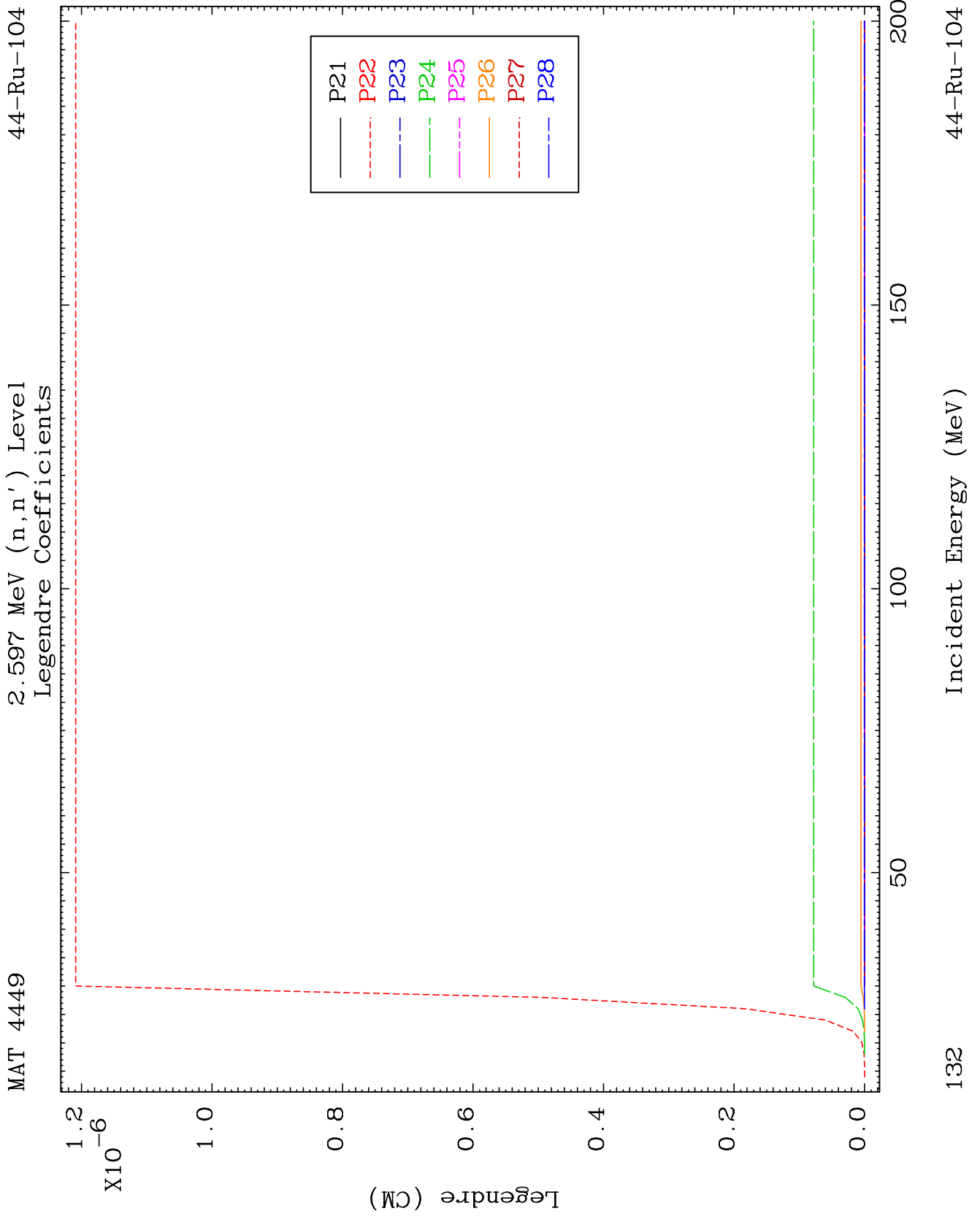




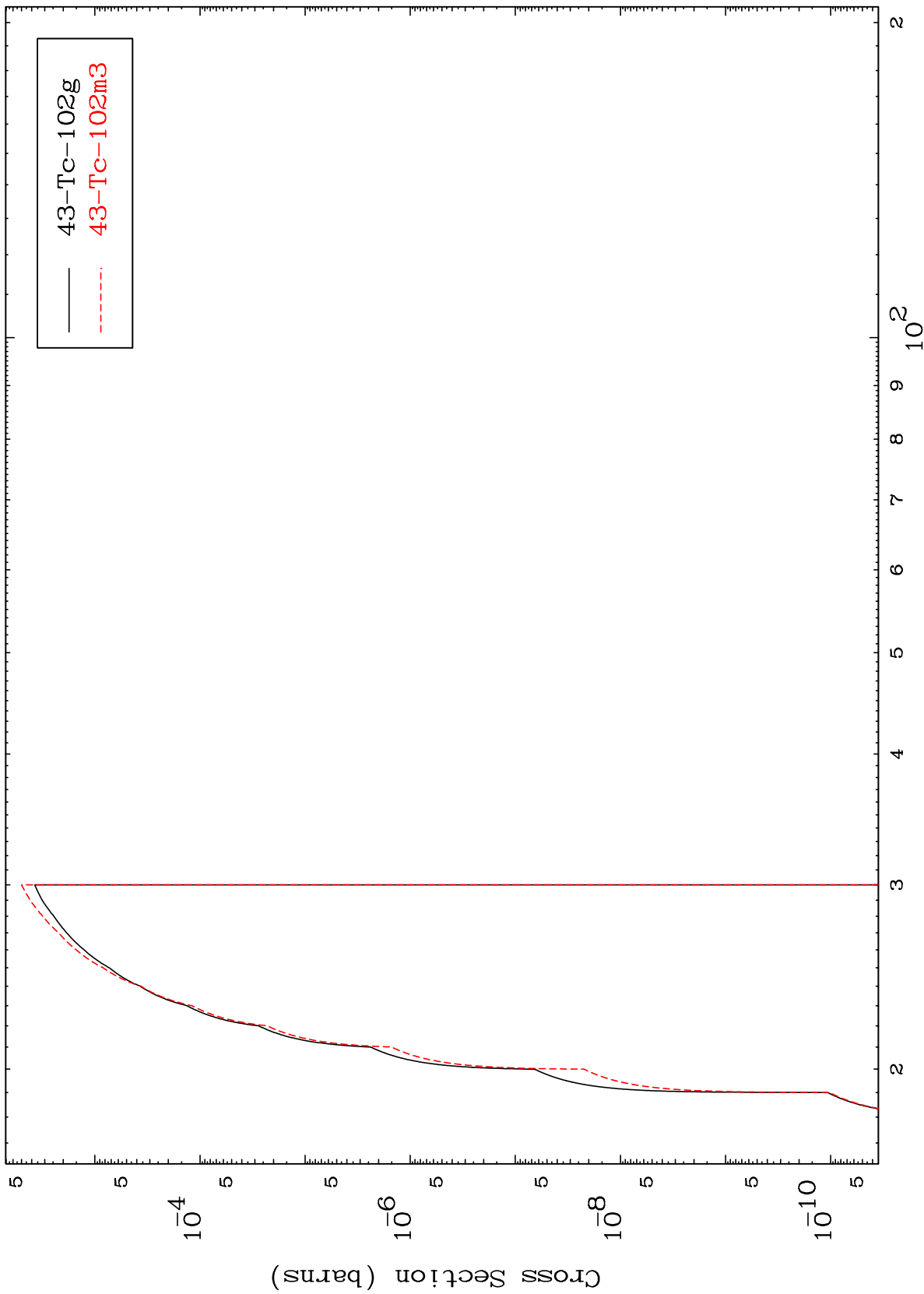








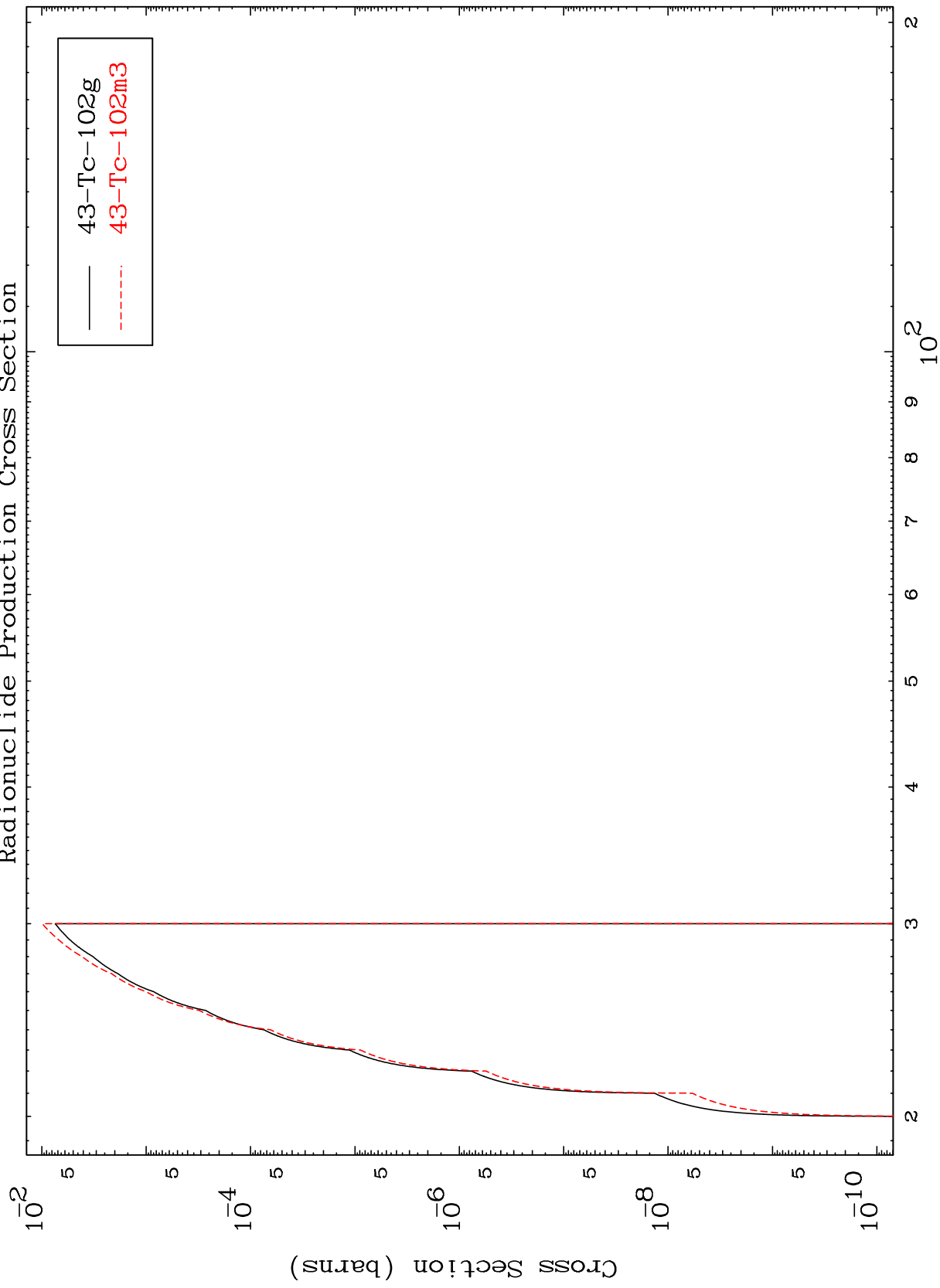
Radionuclide Production Cross Section



MAT 4449

44-Ru-104

(n,2n) p
Radionuclide Production Cross Section



134

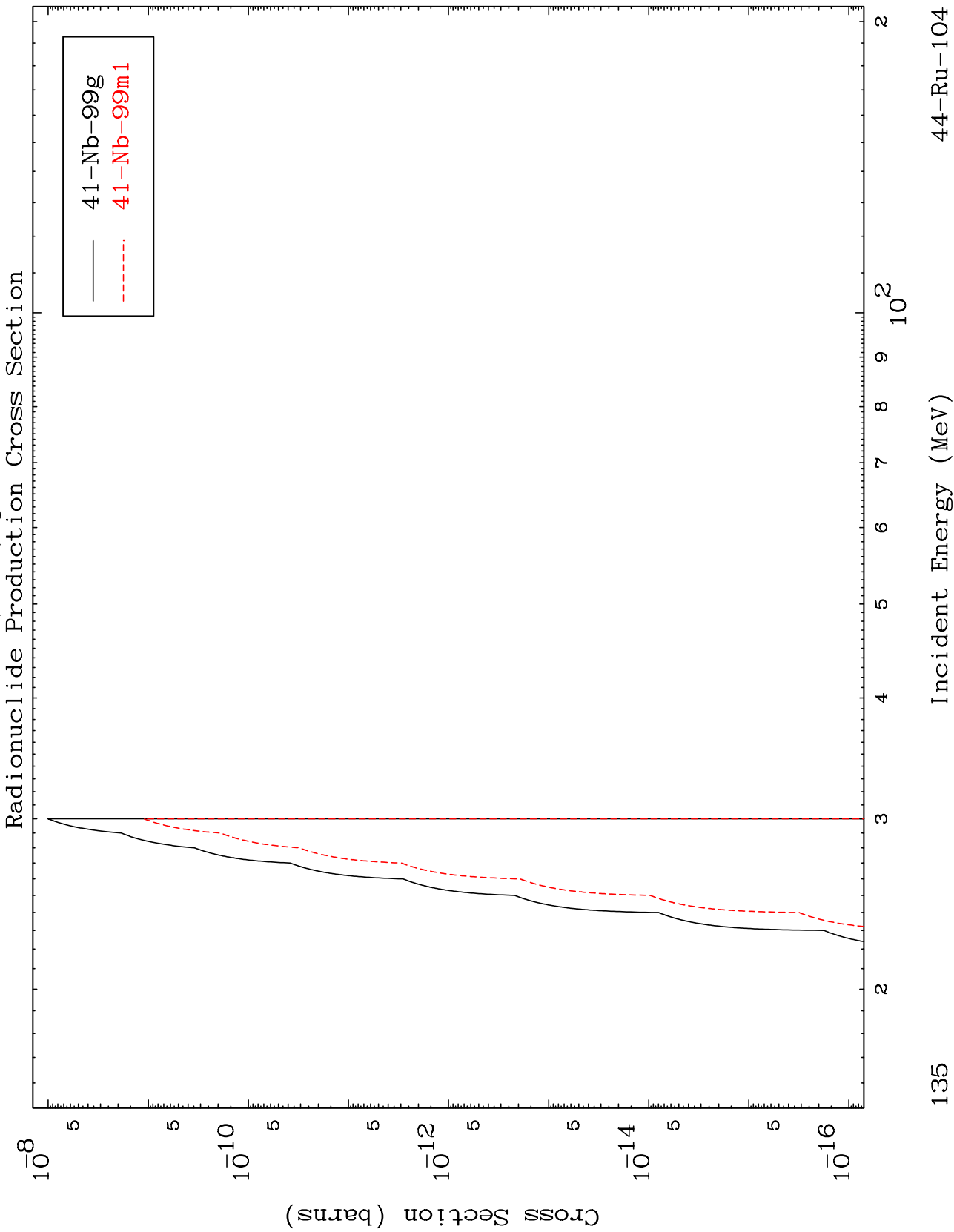
Incident Energy (MeV)

44-Ru-104

MAT 4449

(n,n') p α

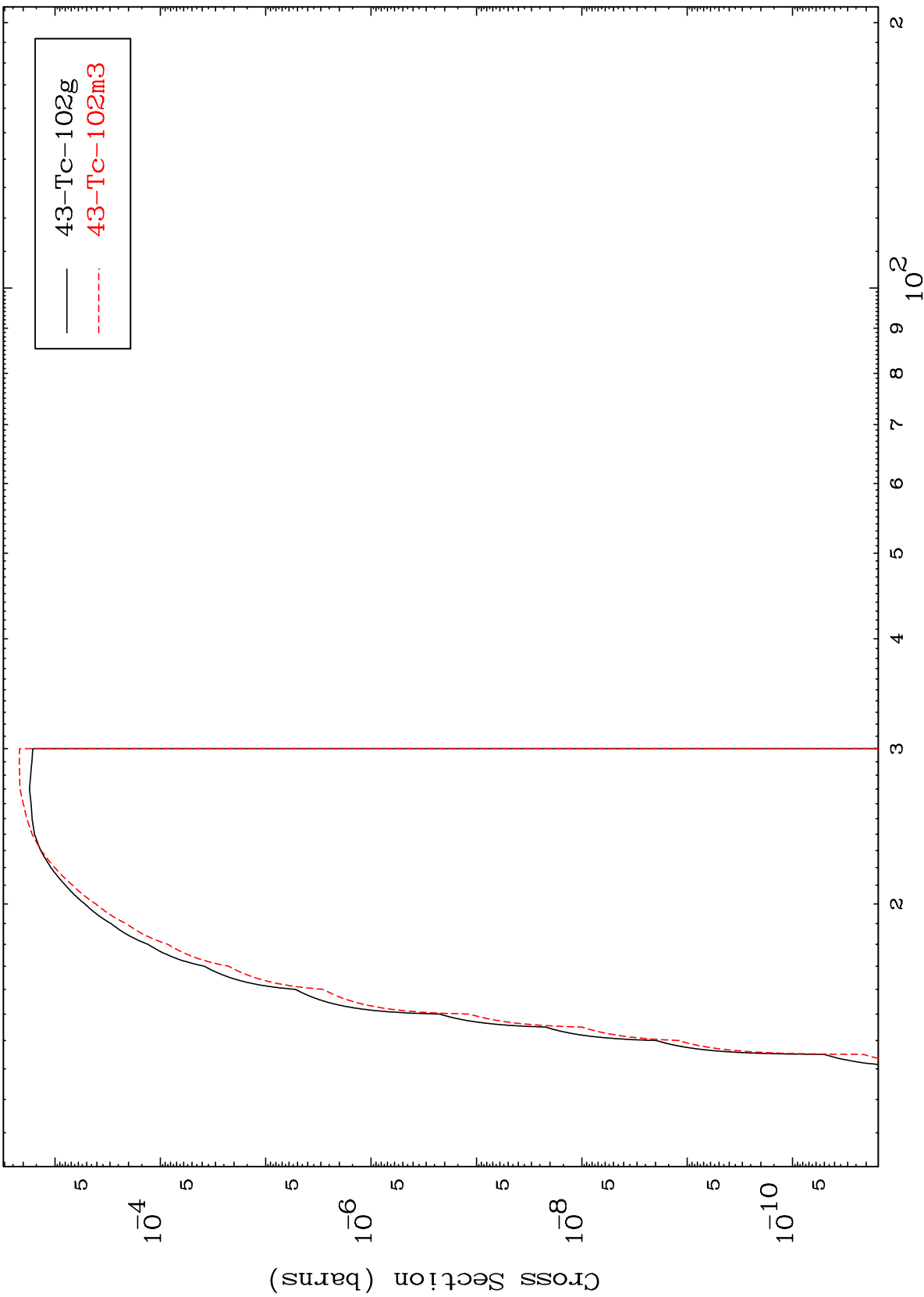
44-Ru-104



135

44-Ru-104

(n, t)
Radionuclide Production Cross Section

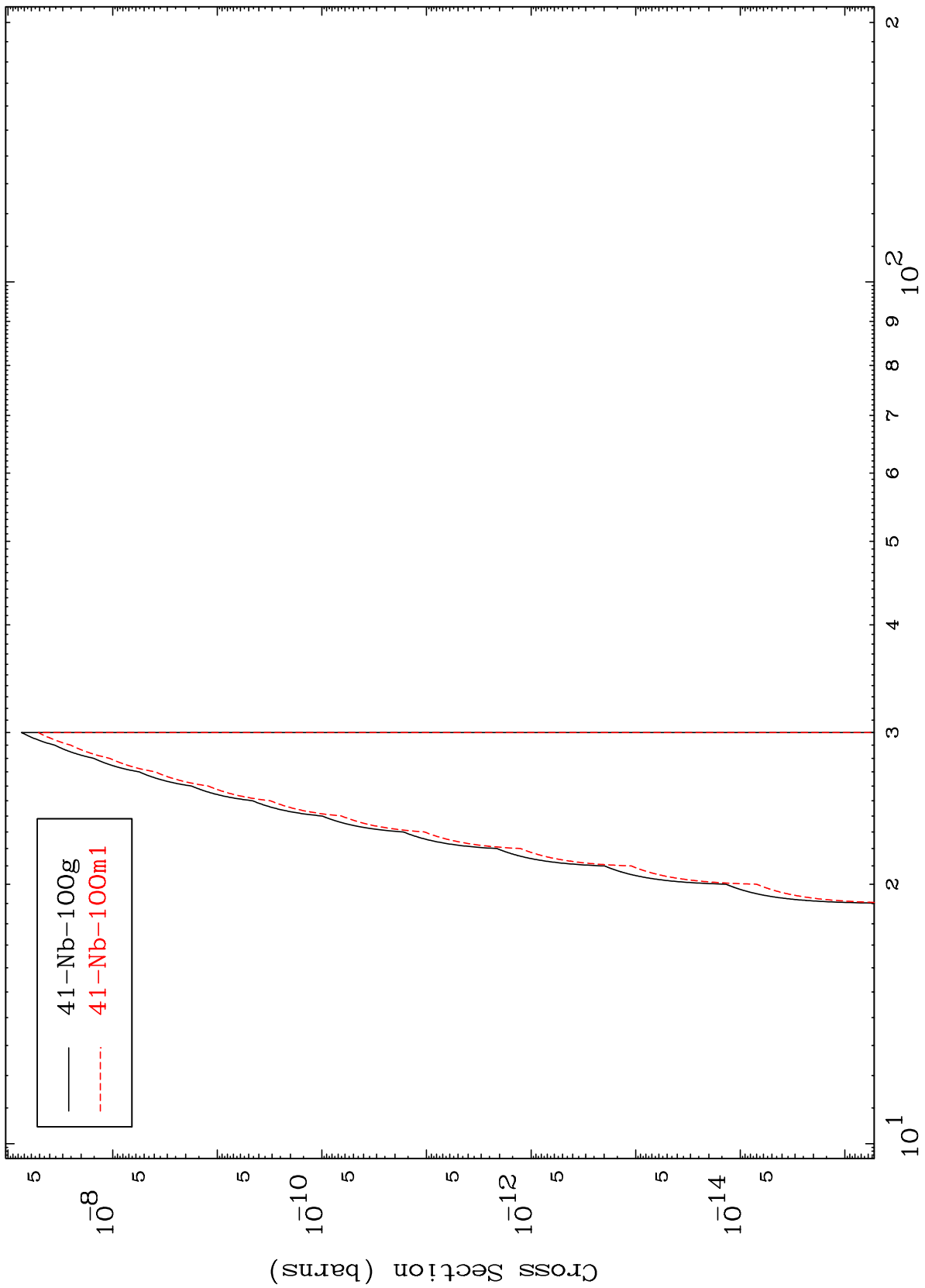


MAT 4449

(n,p) α

44-Ru-104

Radionuclide Production Cross Section



— 41-Nb-100g
- - - 41-Nb-100m1

Incident Energy (MeV)

44-Ru-104

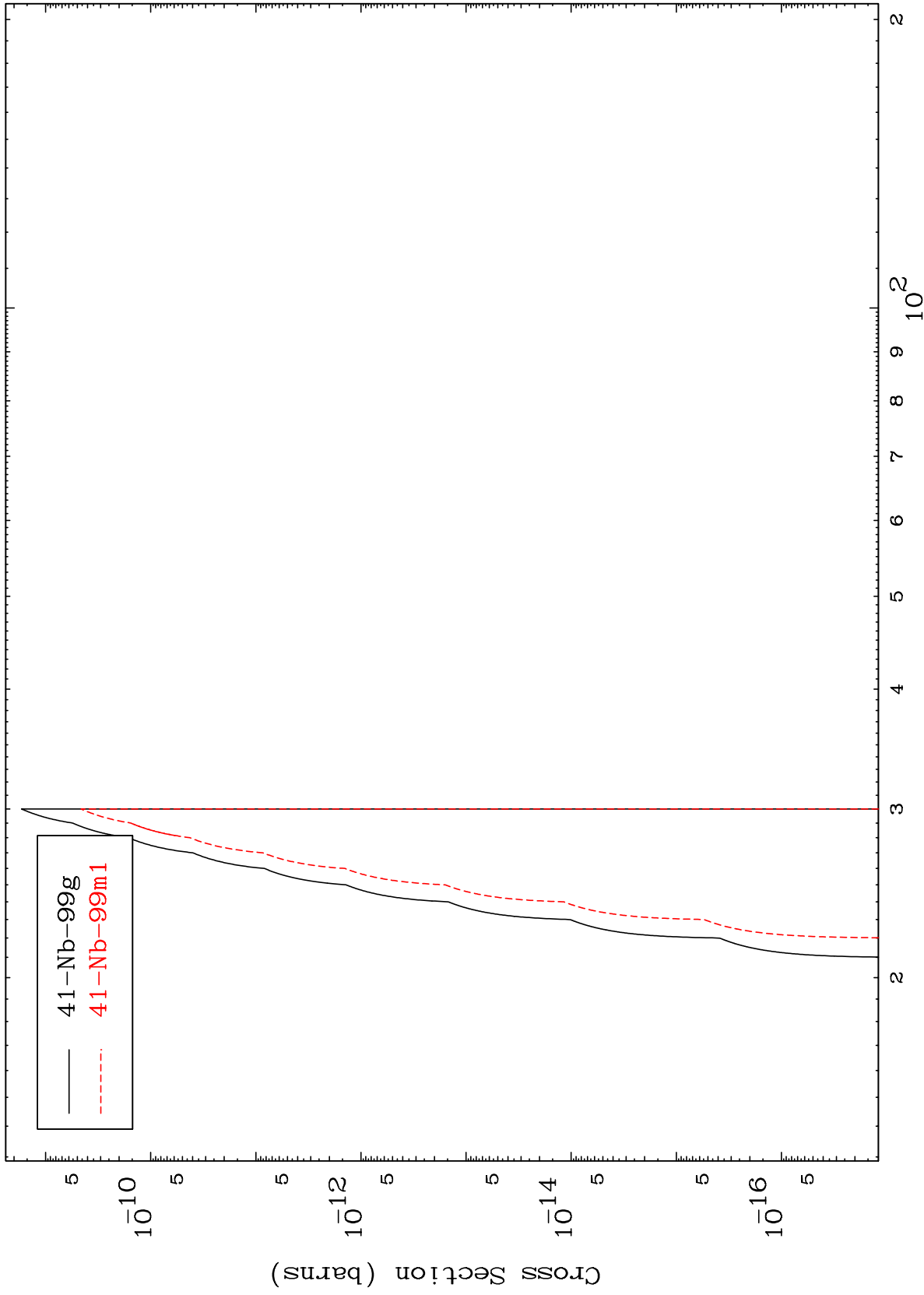
137

MAT 4449

(n,d) α

44-Ru-104

Radionuclide Production Cross Section



138

Incident Energy (MeV)

44-Ru-104