

Program EVALPLOT
(Version 2015-2)

by

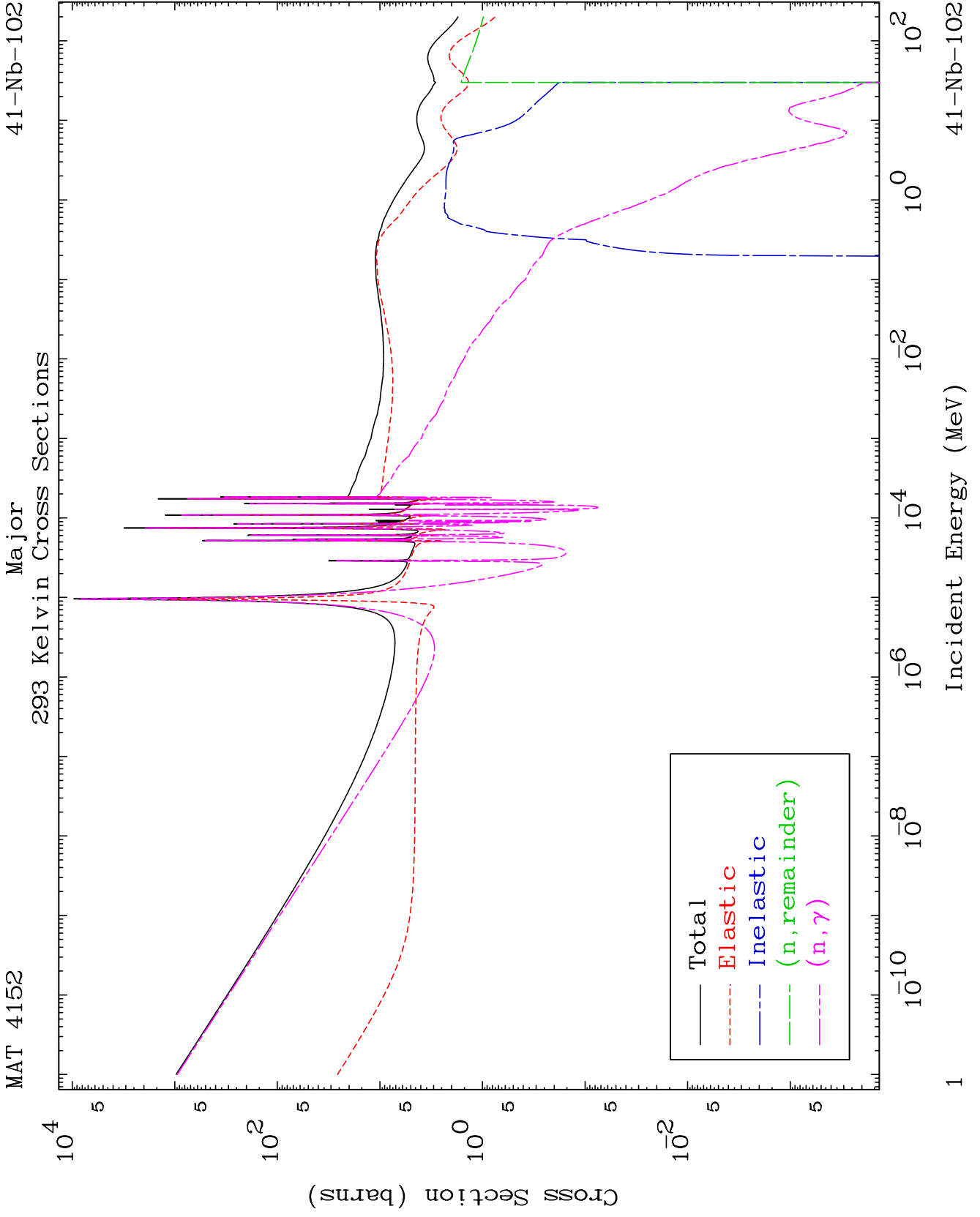
Dermott E. Cullen
(Present Contact Information)

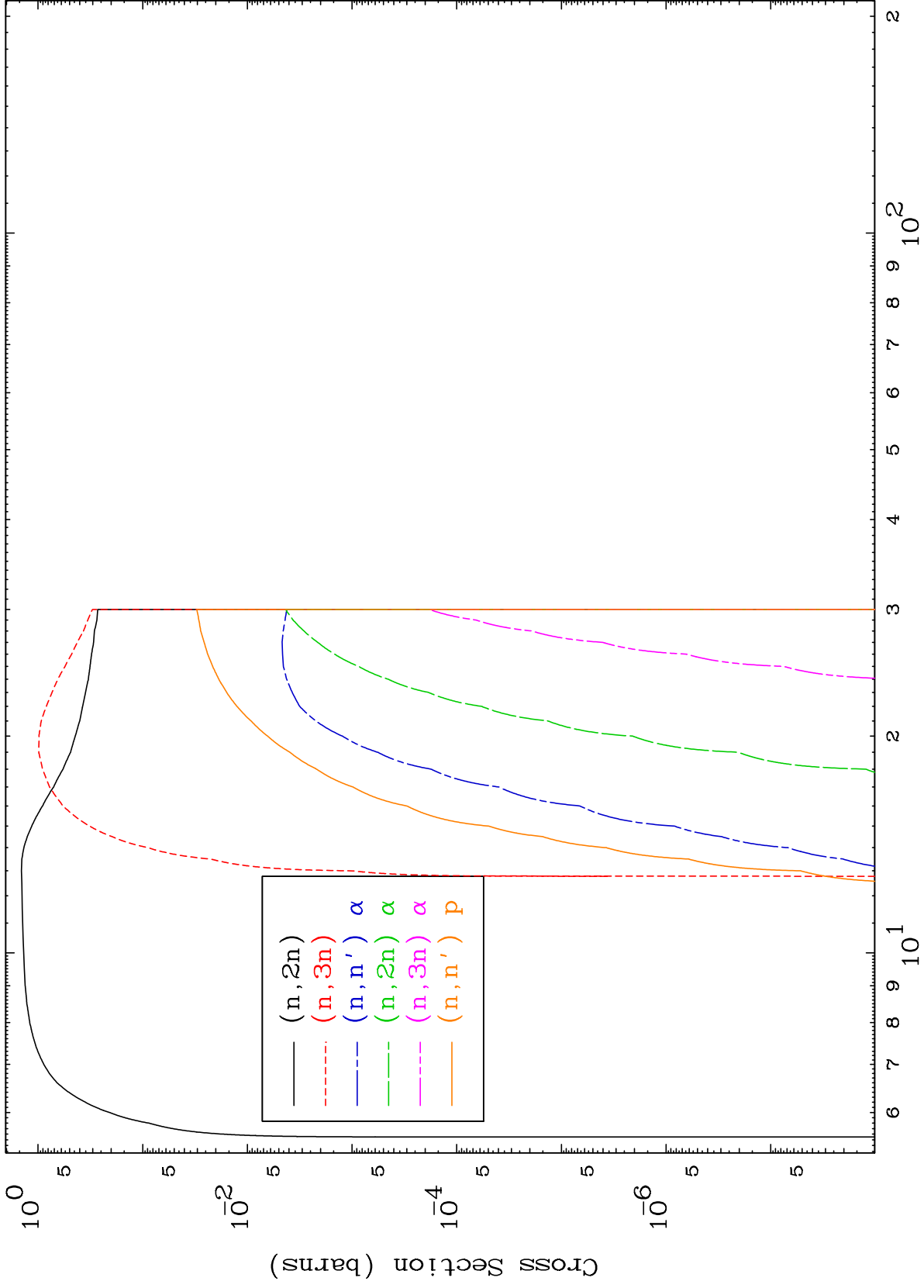
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

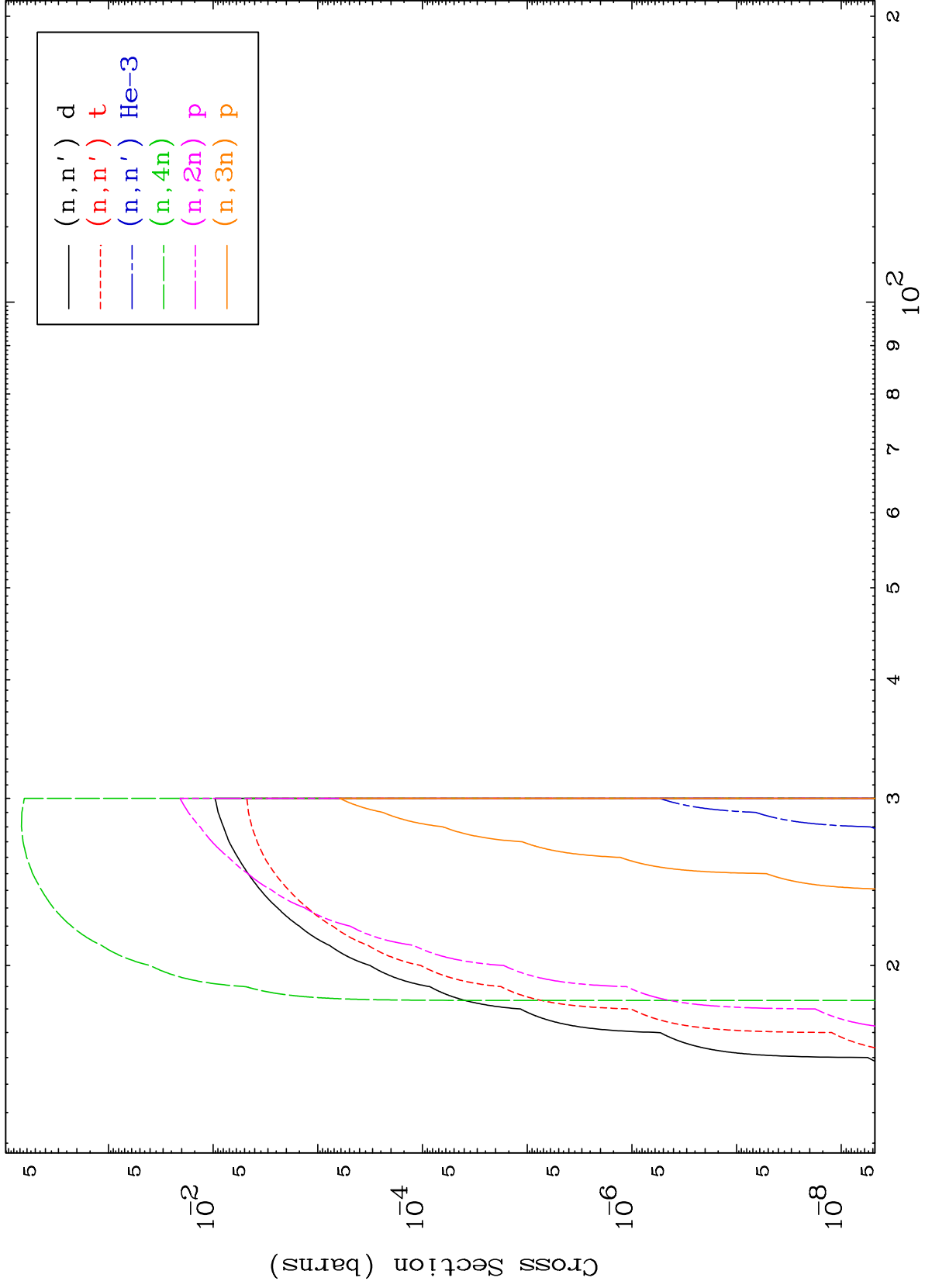
Tele: 925-443-1911

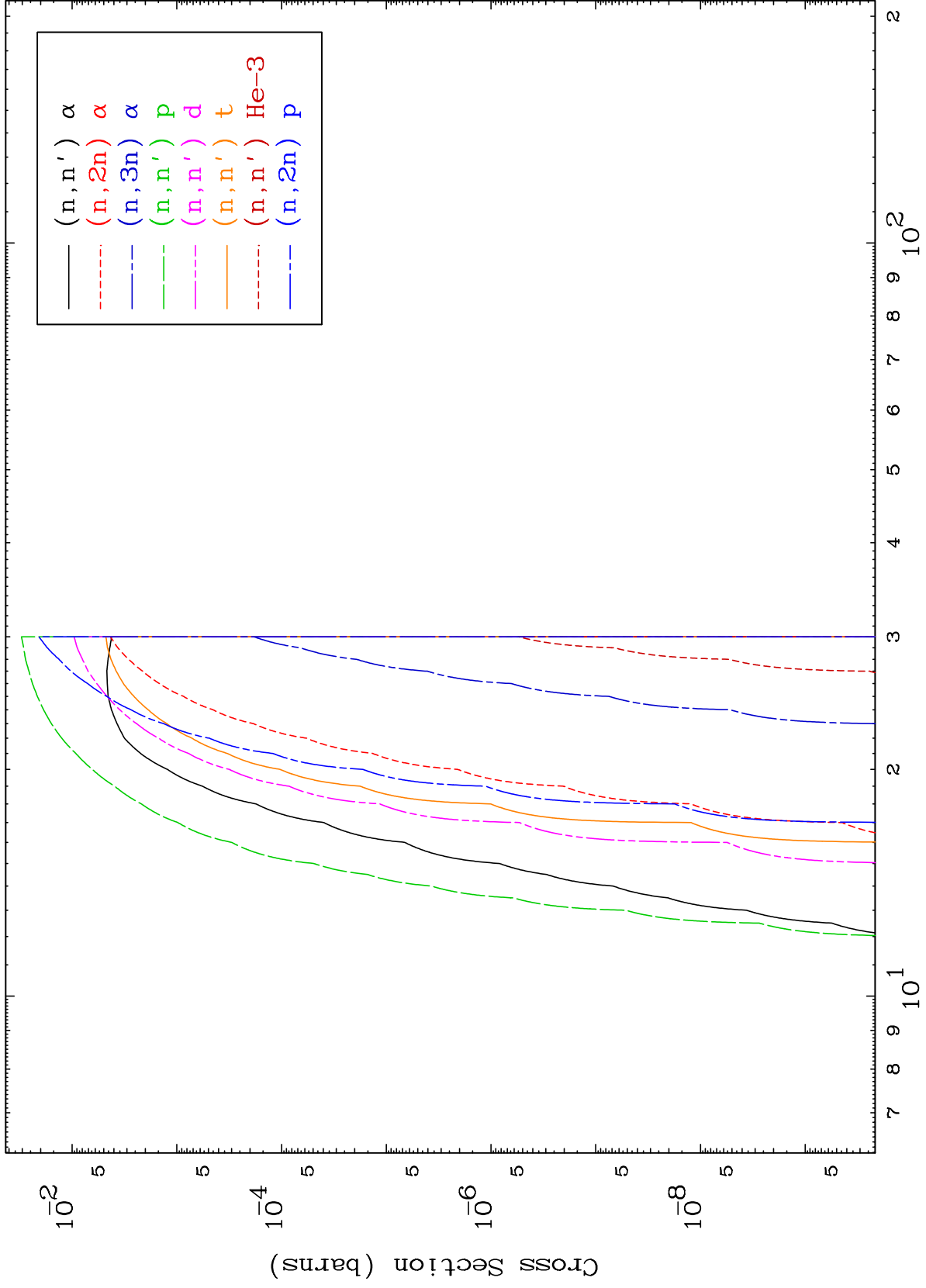
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start





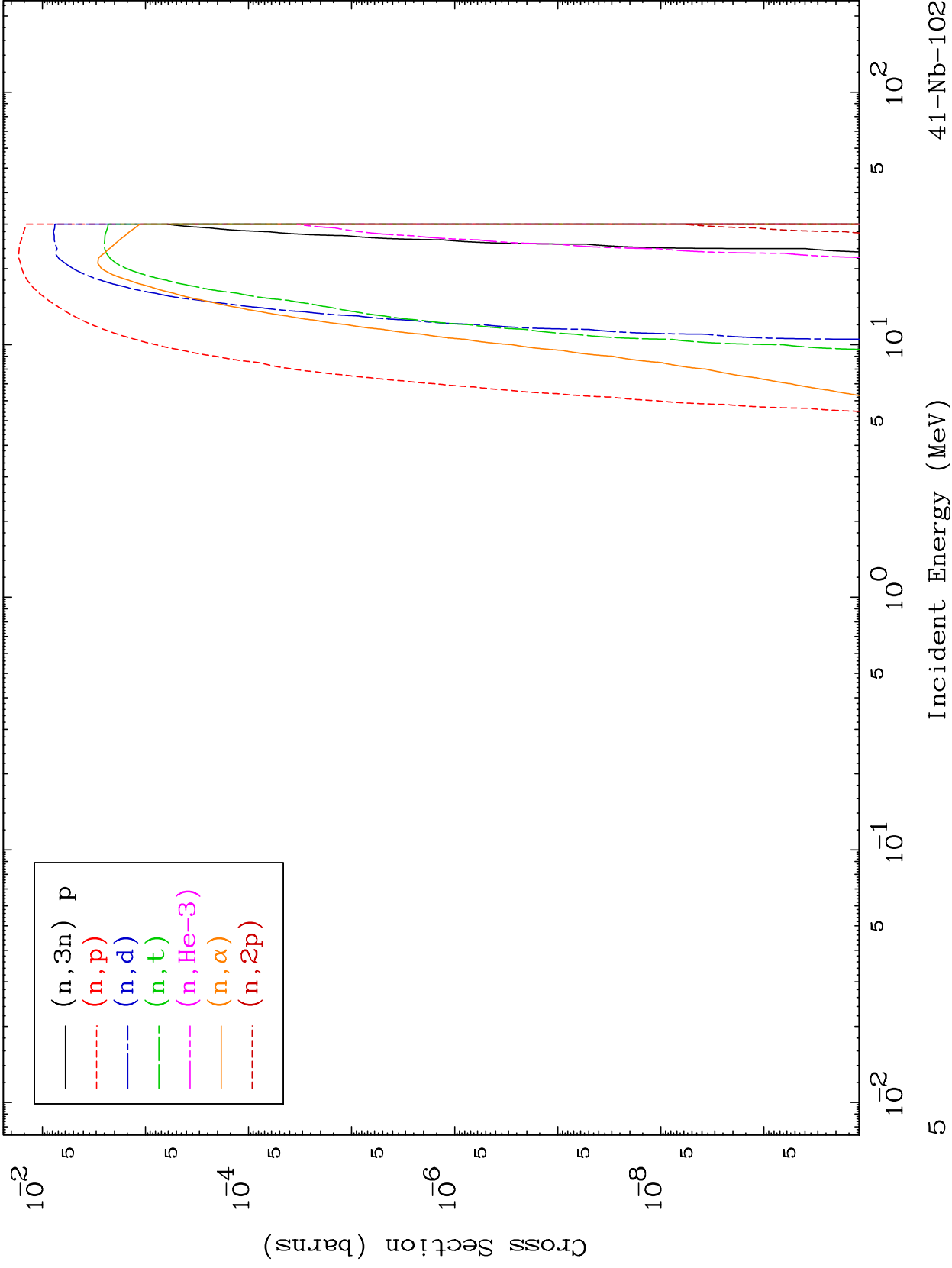




MAT 4152

Charged Particle
293 Kelvin Cross Sections

41-Nb-102

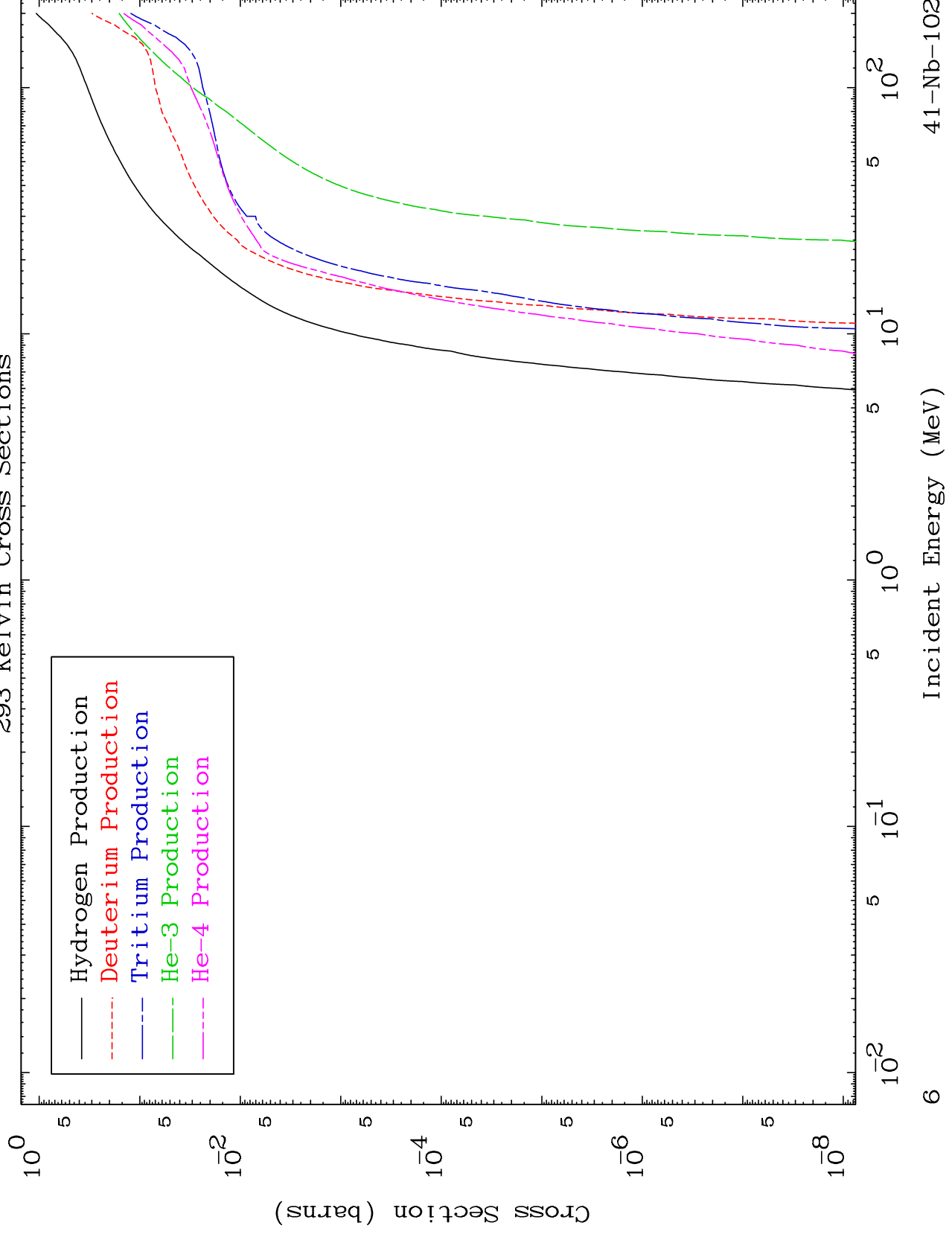


41-Nb-102

MAT 4152

Particle Production
293 Kelvin Cross Sections

41-Nb-102



41-Nb-102

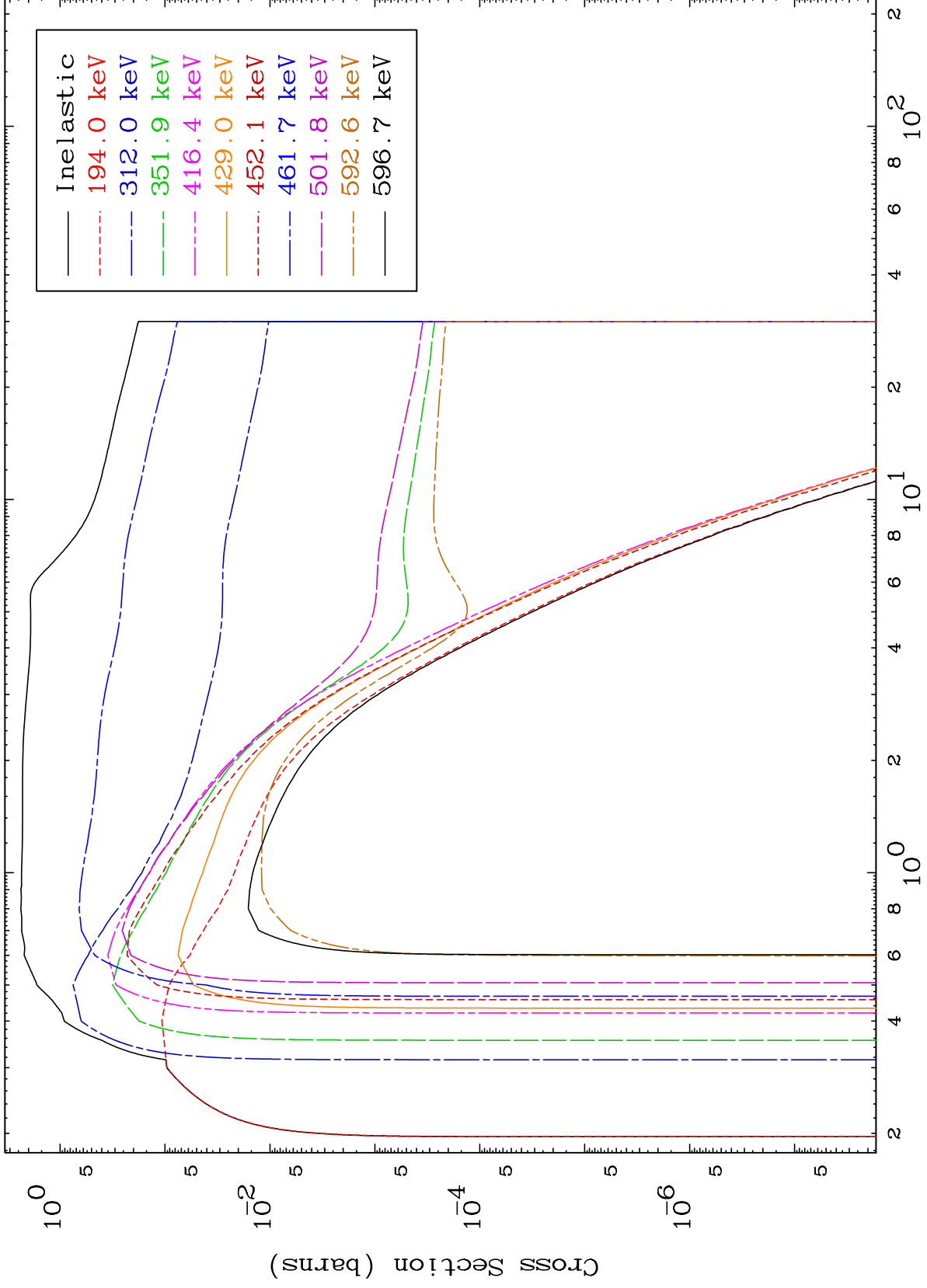
Incident Energy (MeV)

6

MAT 4152

(n,n') Level
293 Kelvin Cross Sections

41-Nb-102



7

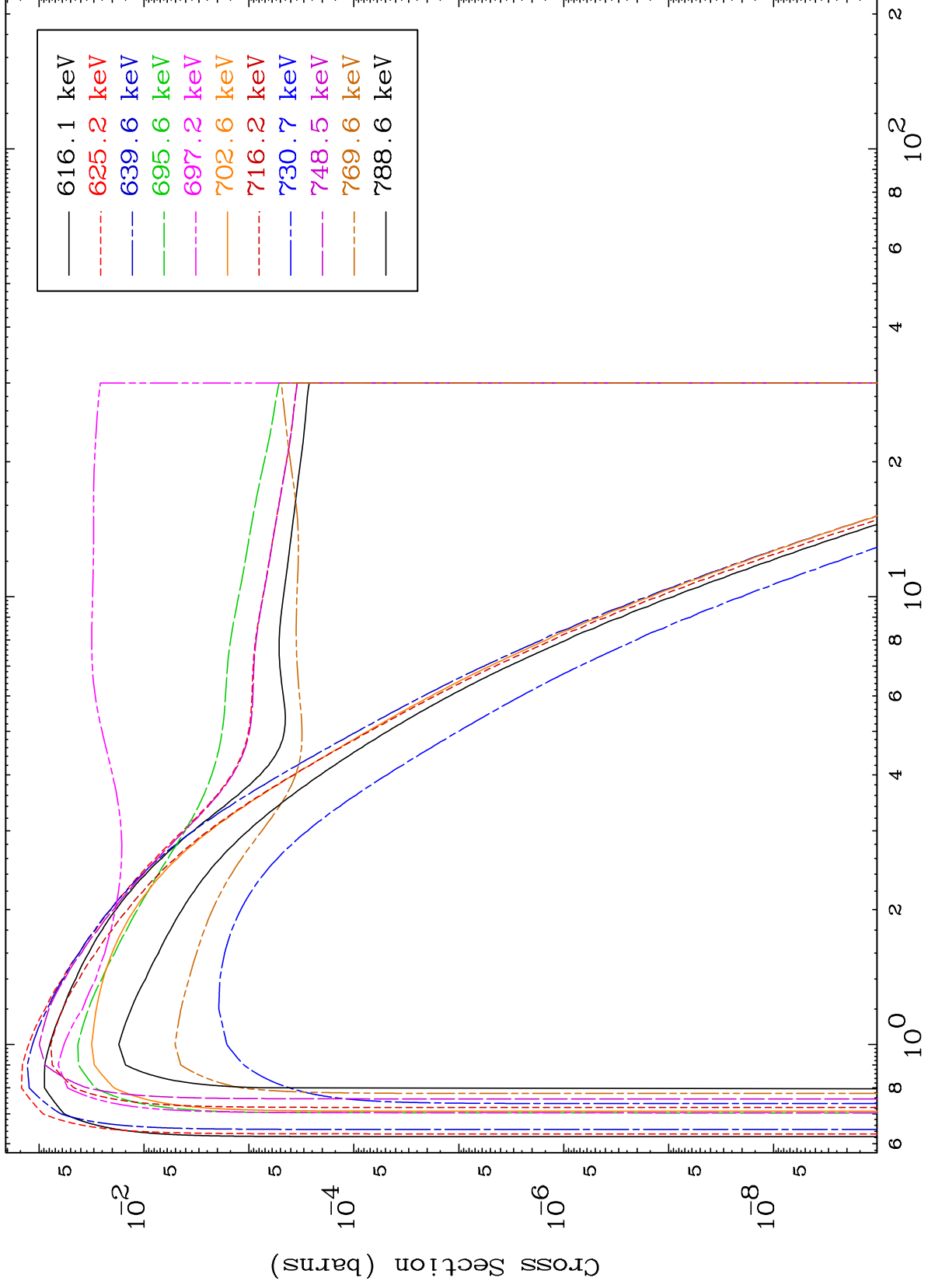
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,n') Level
293 Kelvin Cross Sections

41-Nb-102



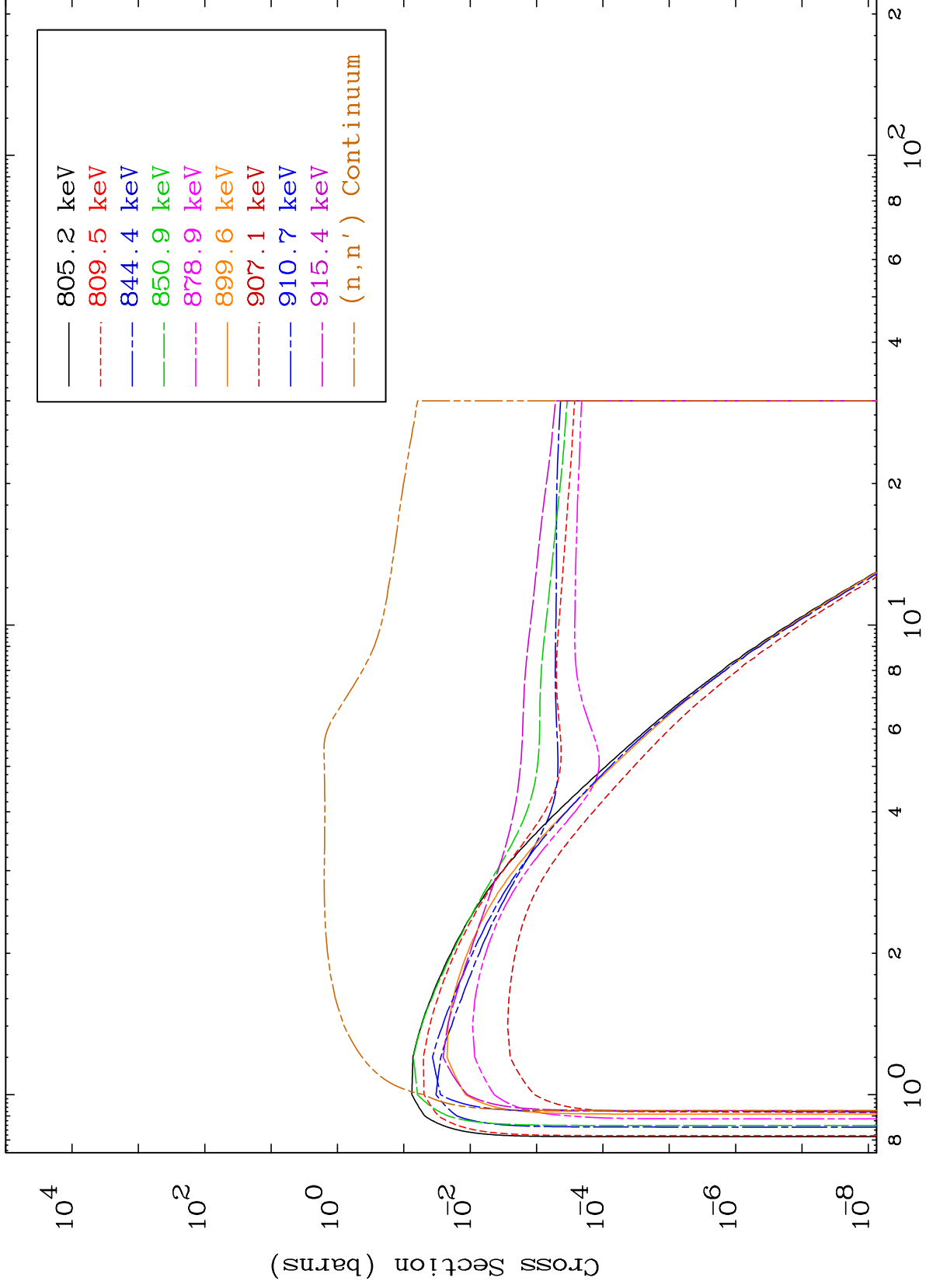
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,n') Level
293 Kelvin Cross Sections

41-Nb-102



9

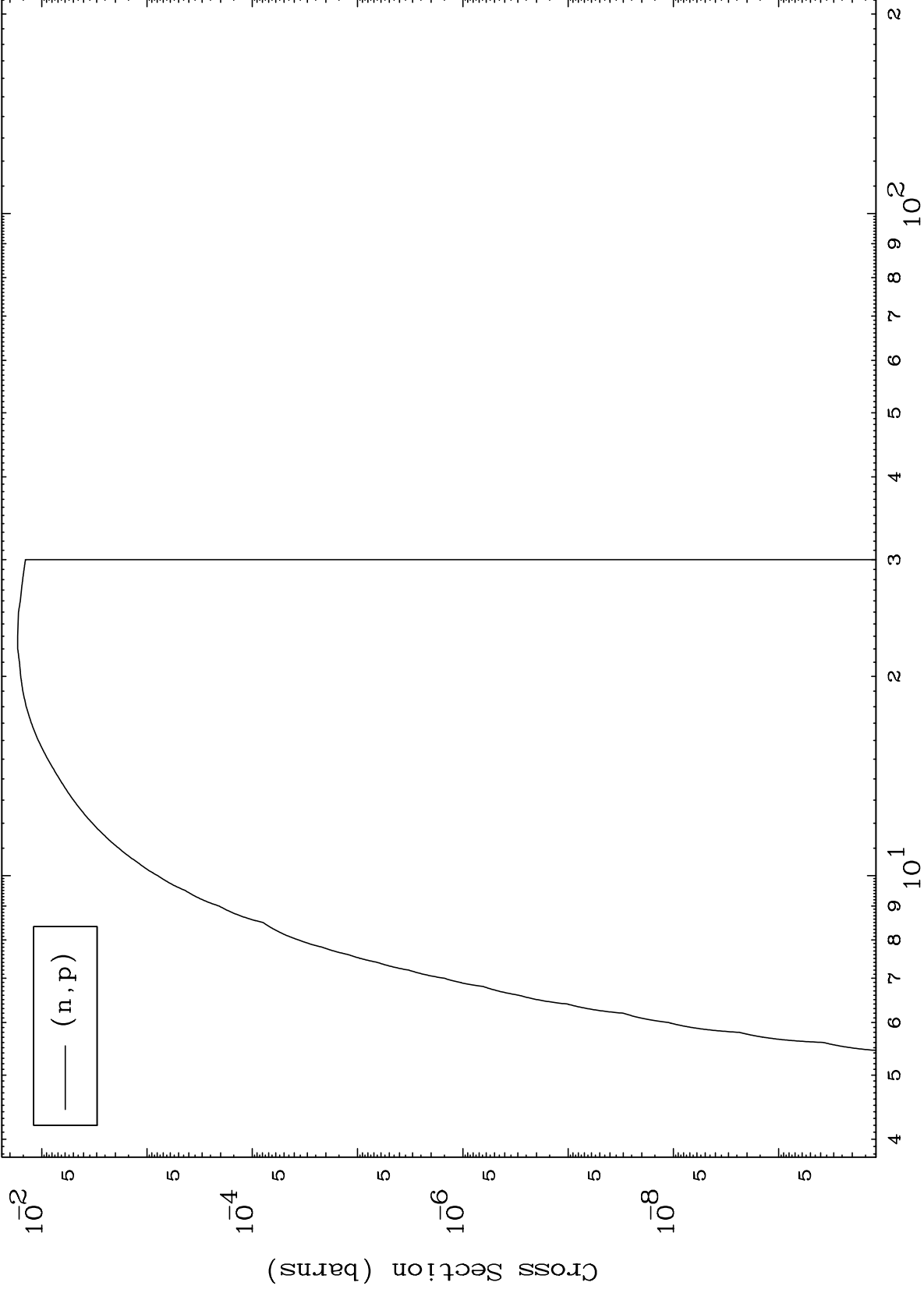
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-102



10

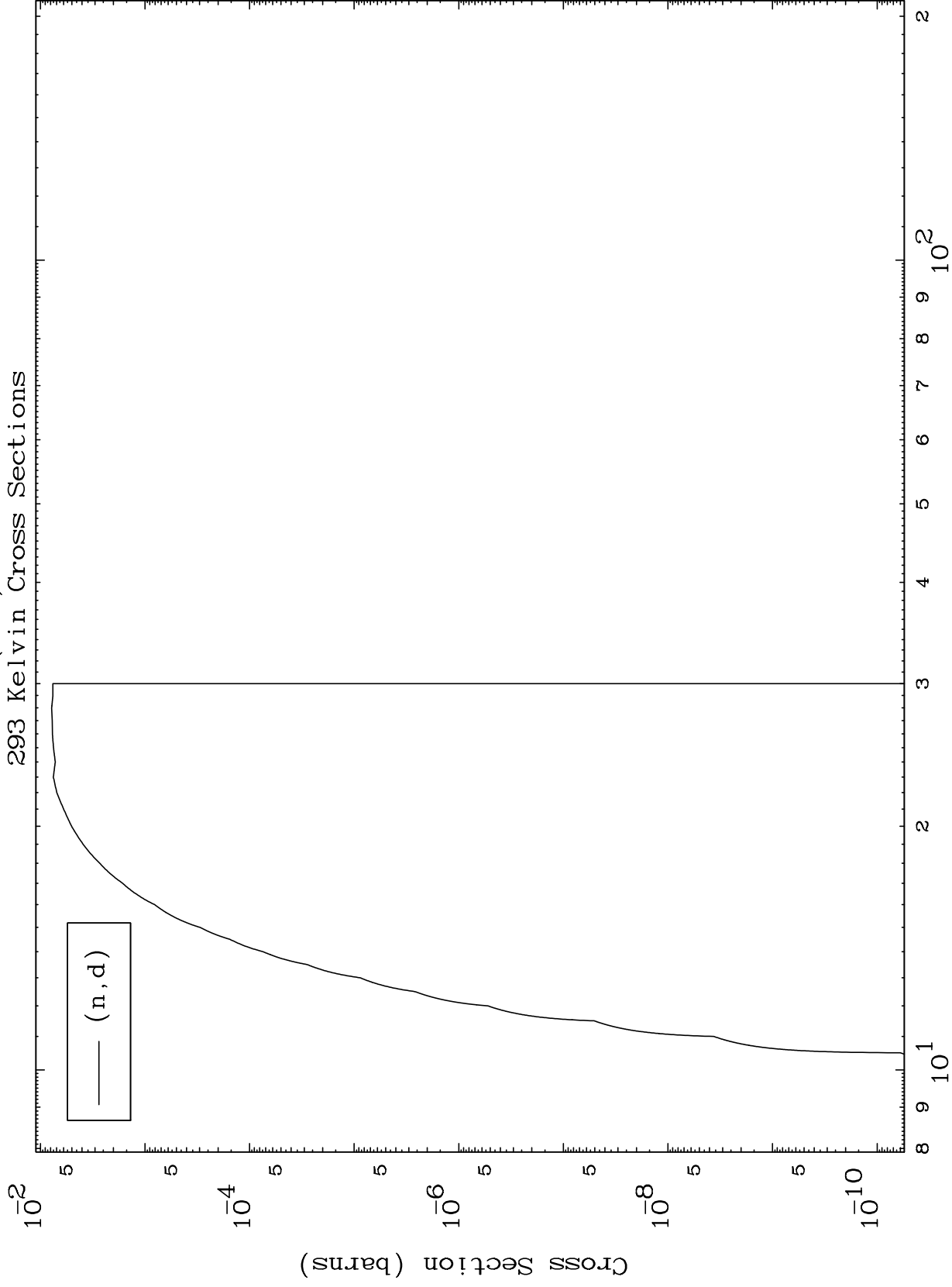
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-102



11

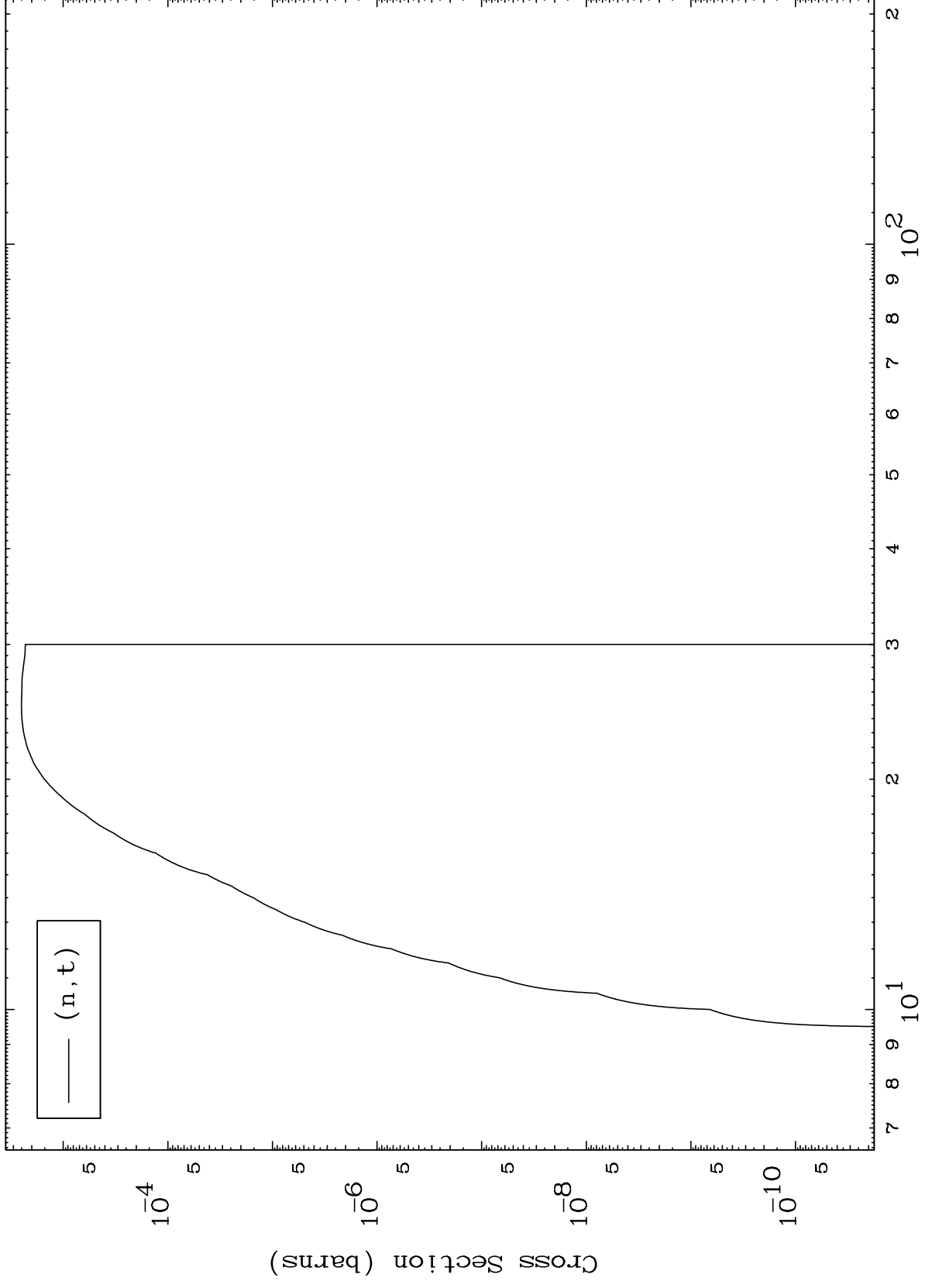
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-102



12

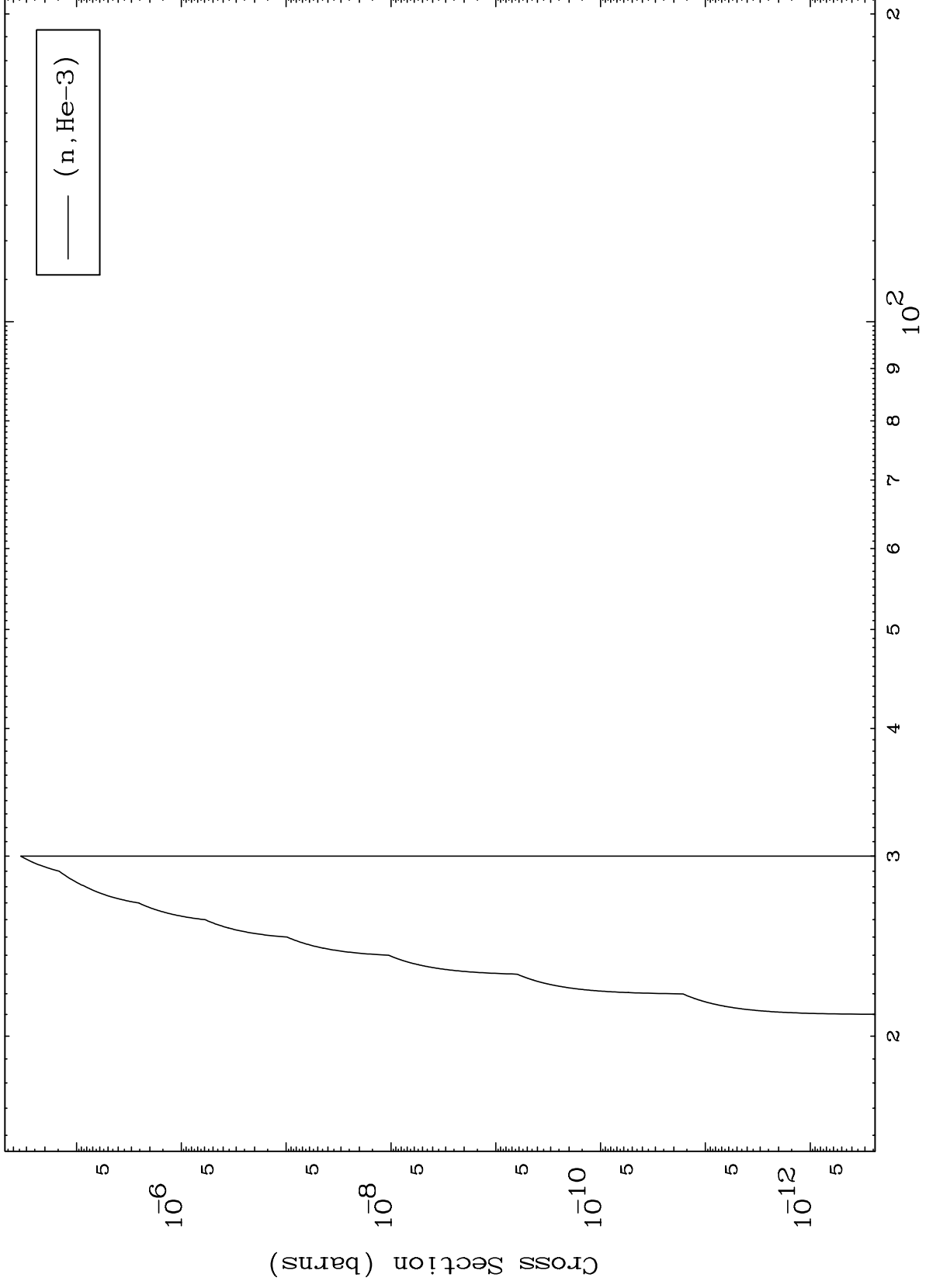
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-102



13

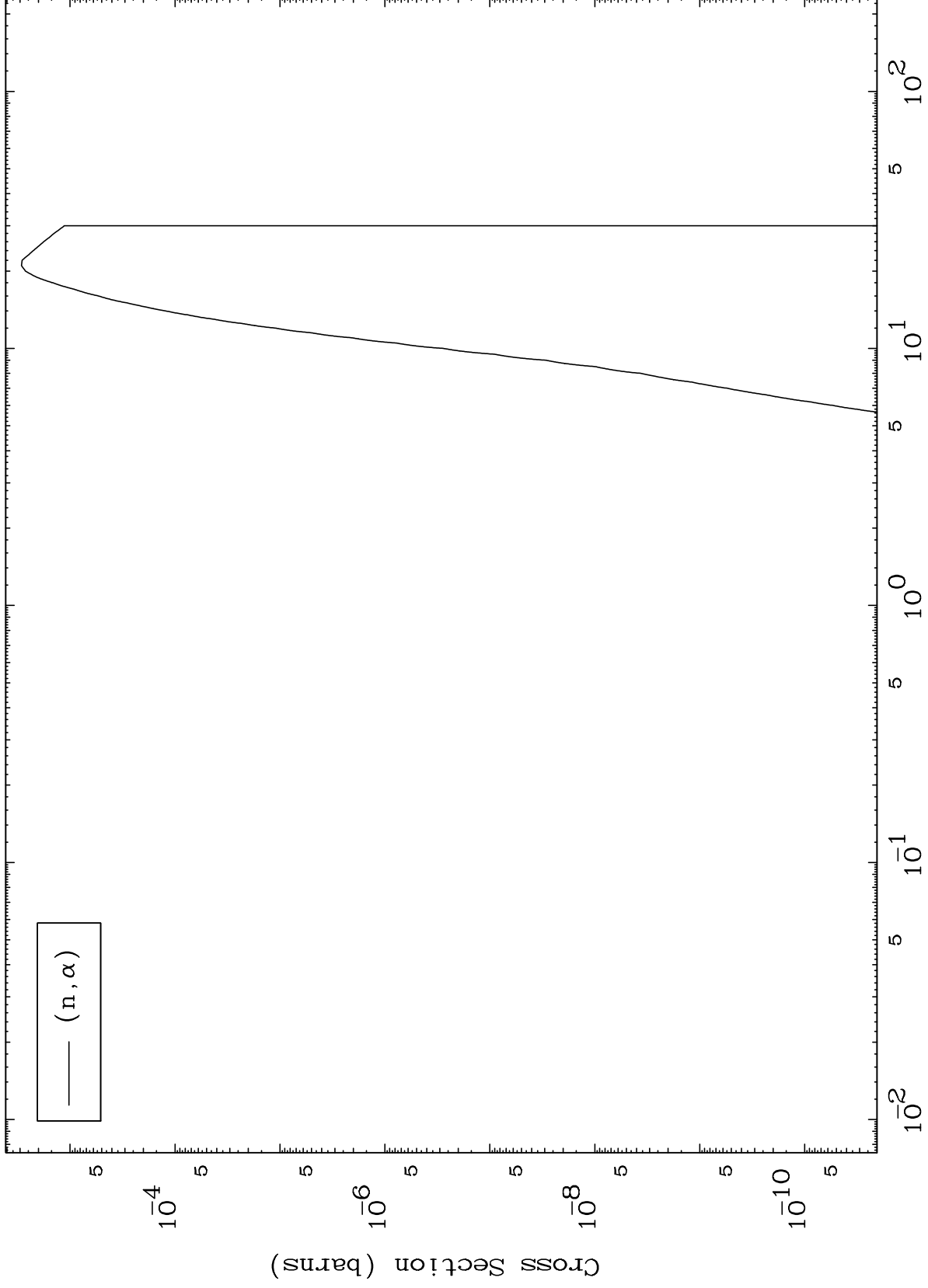
Incident Energy (MeV)

41-Nb-102

MAT 4152

(n, α) Levels
293 Kelvin Cross Sections

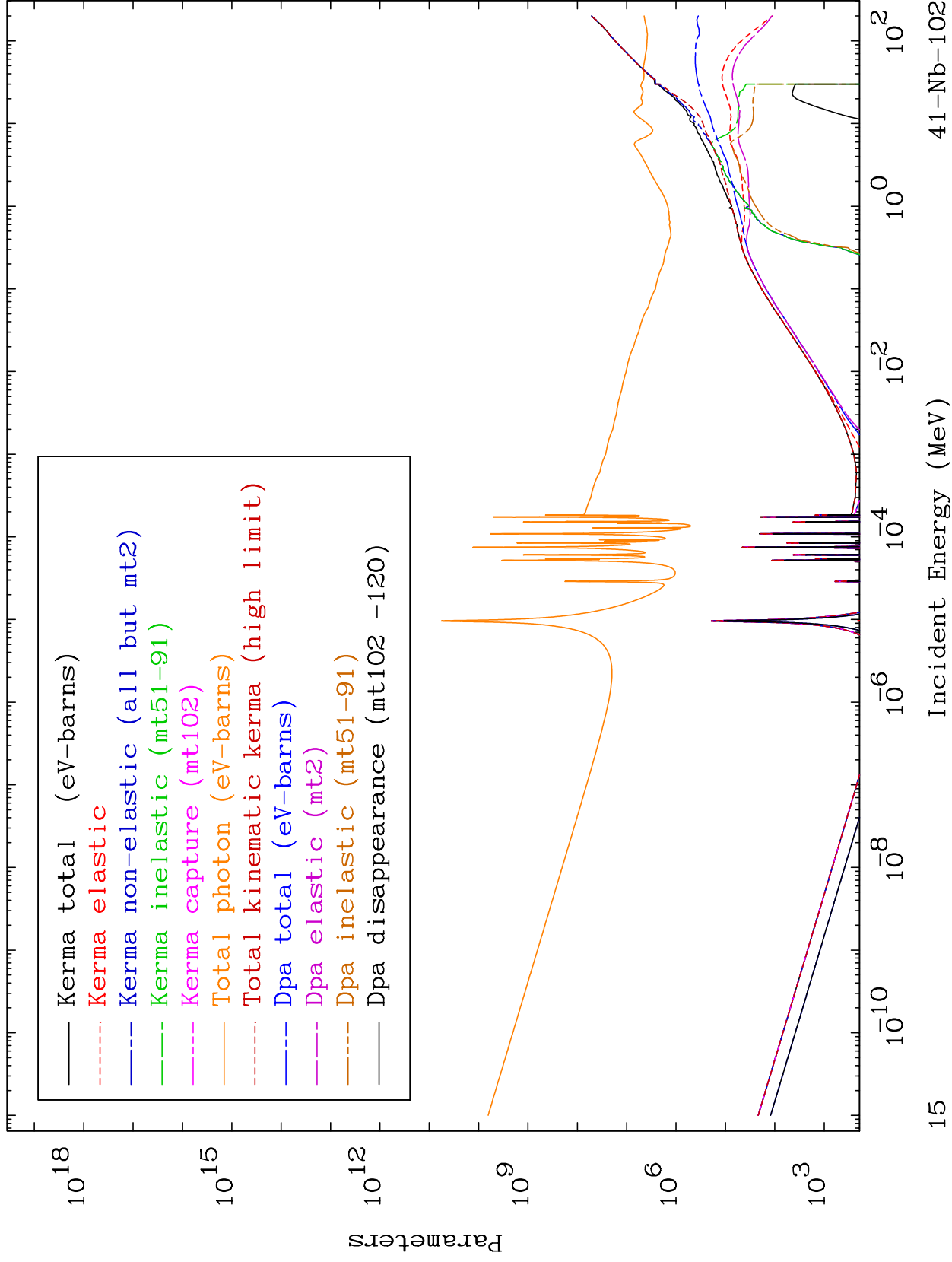
41-Nb-102



14

Incident Energy (MeV)

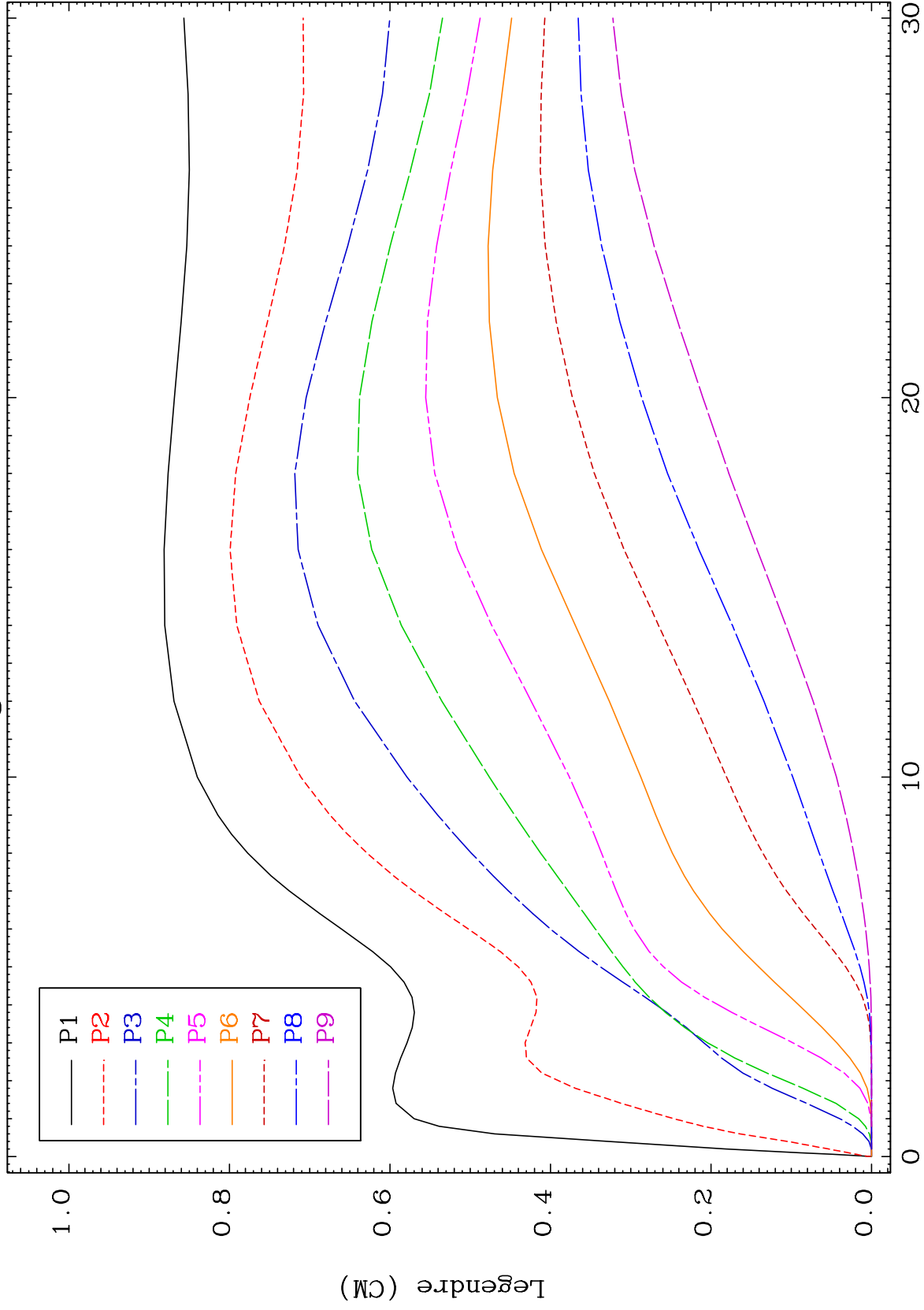
41-Nb-102



MAT 4152

Elastic Legendre Coefficients

41-Nb-102



16

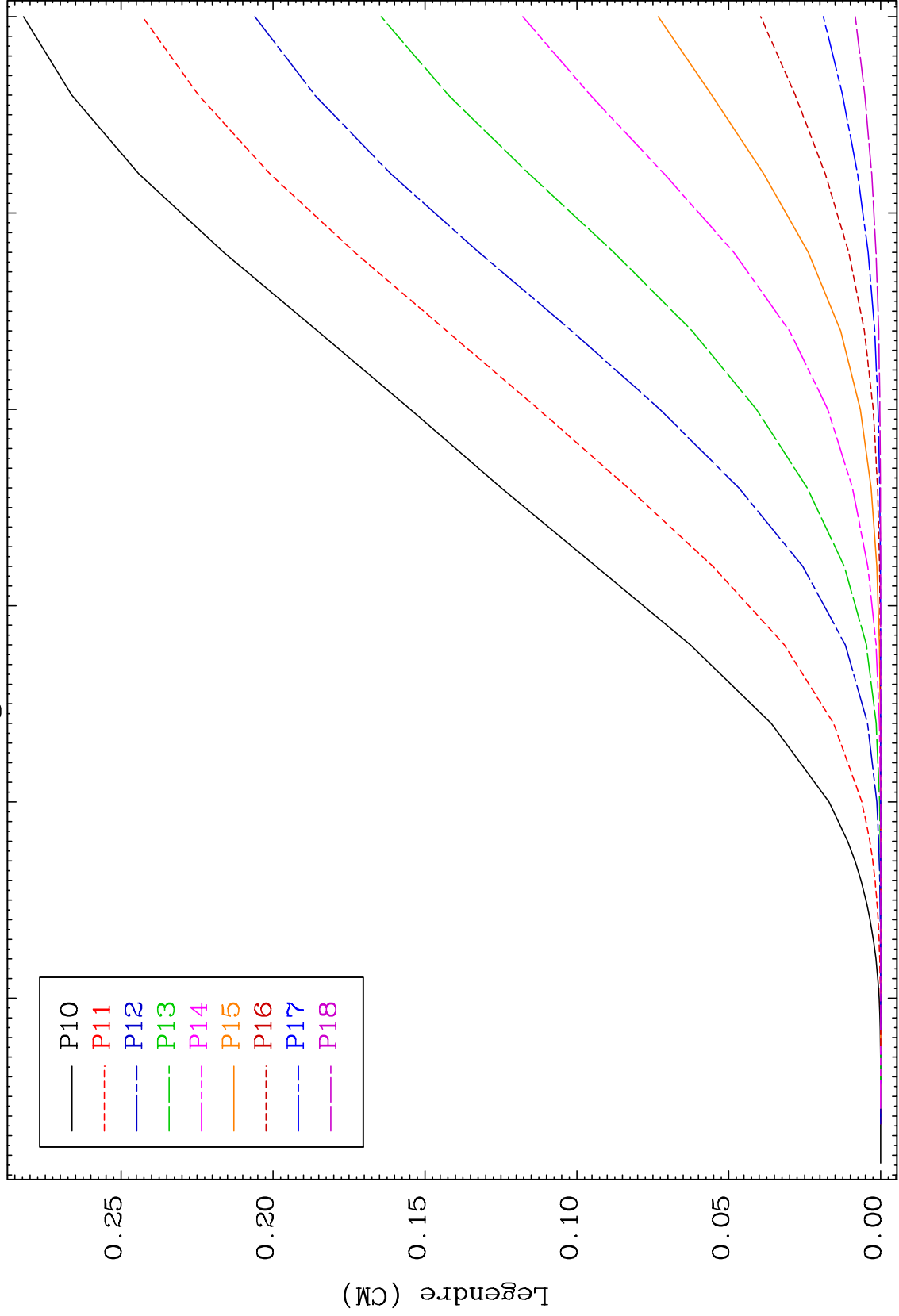
Incident Energy (MeV)

41-Nb-102

MAT 4152

Elastic
Legendre Coefficients

41-Nb-102



17

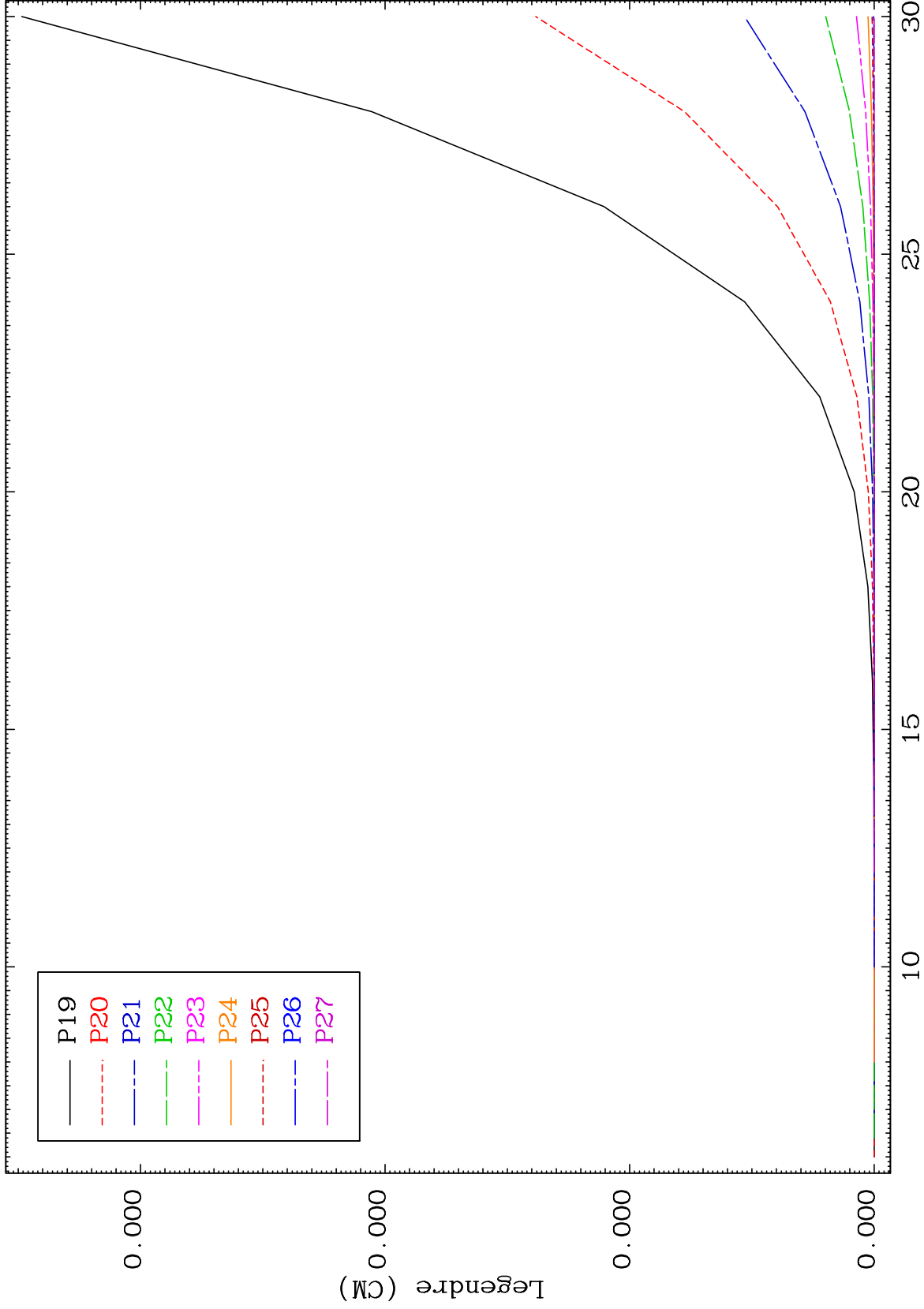
Incident Energy (MeV)

41-Nb-102

MAT 4152

Elastic Legendre Coefficients

41-Nb-102



18

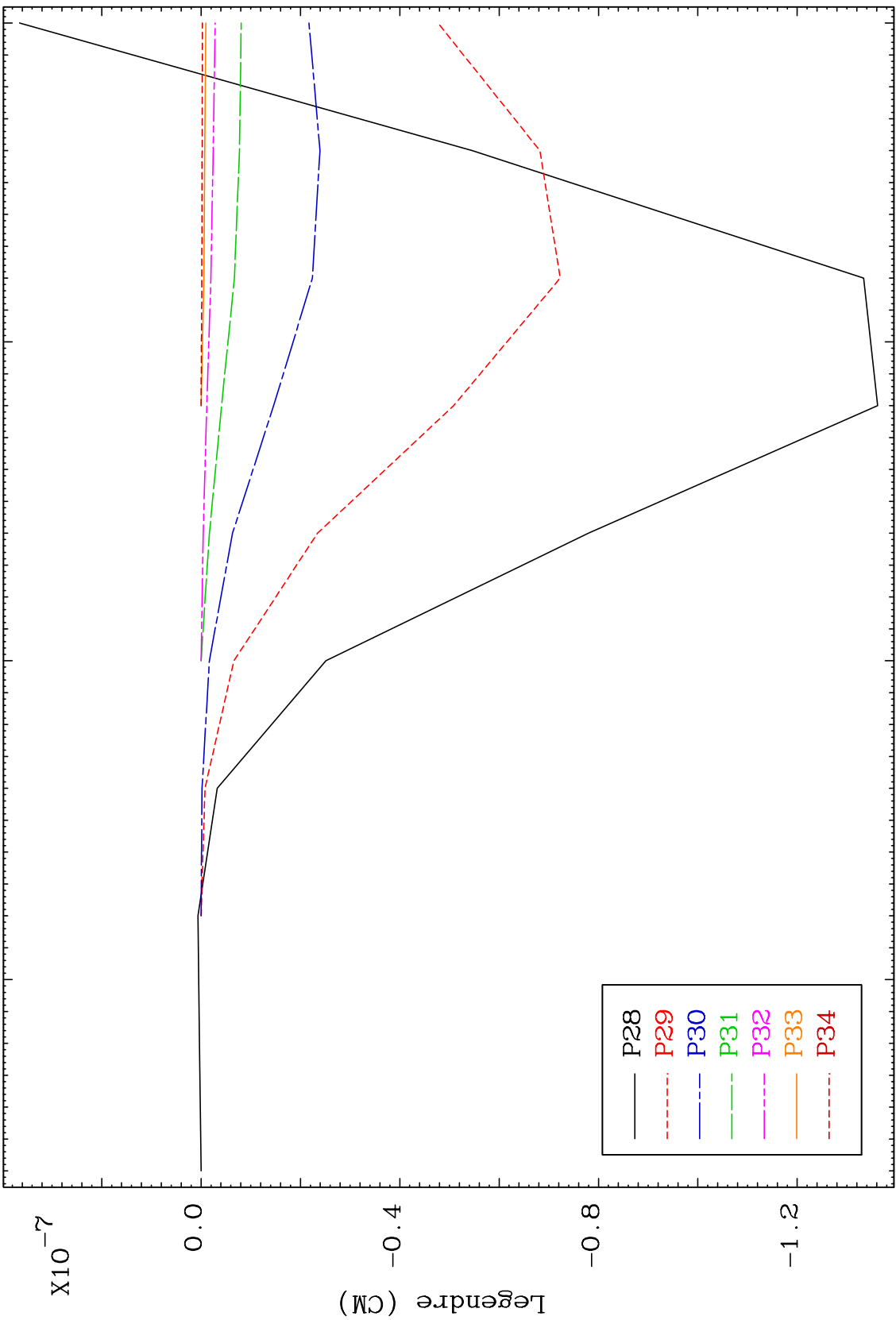
Incident Energy (MeV)

41-Nb-102

MAT 4152

41-Nb-102

Elastic Legendre Coefficients



30

25

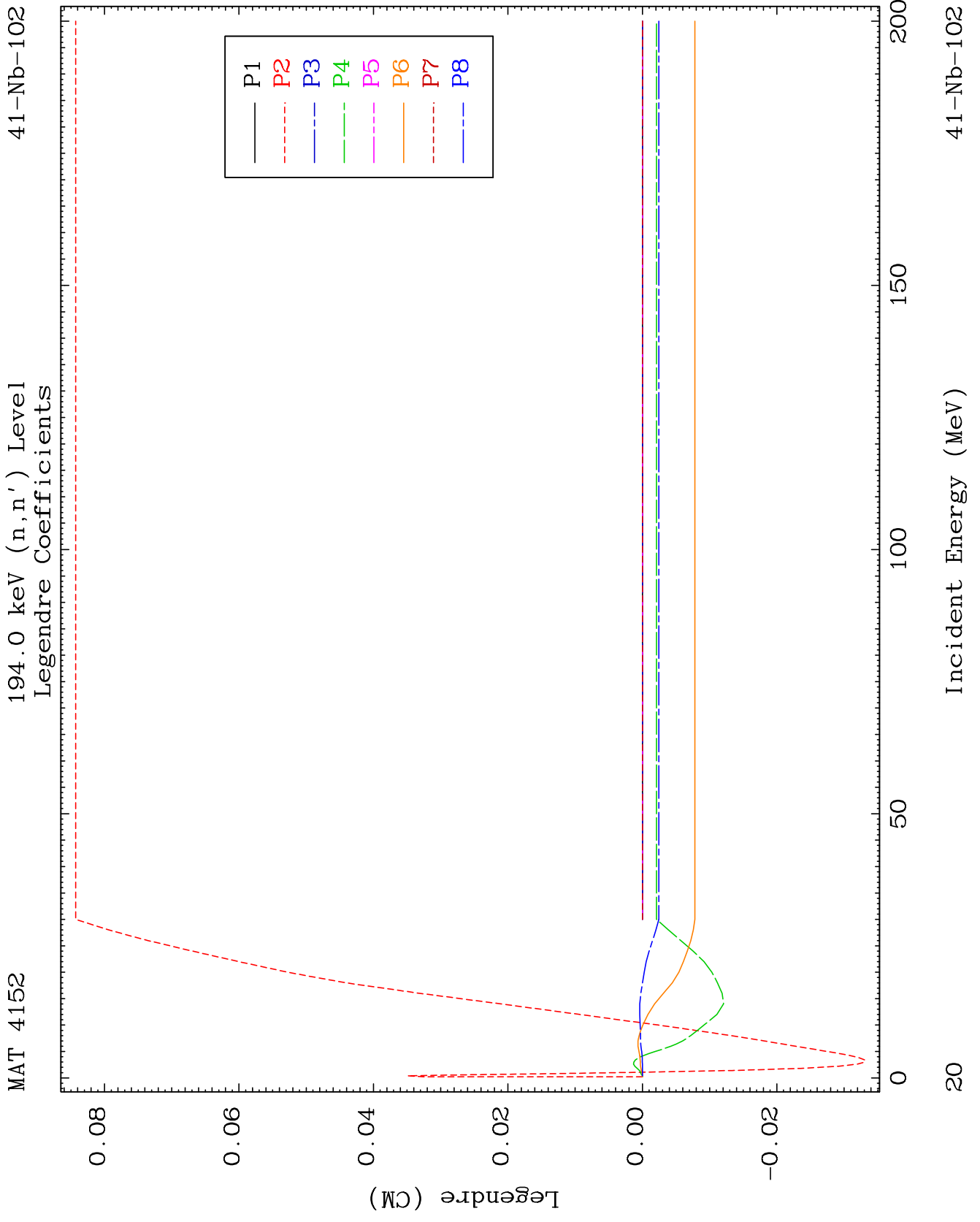
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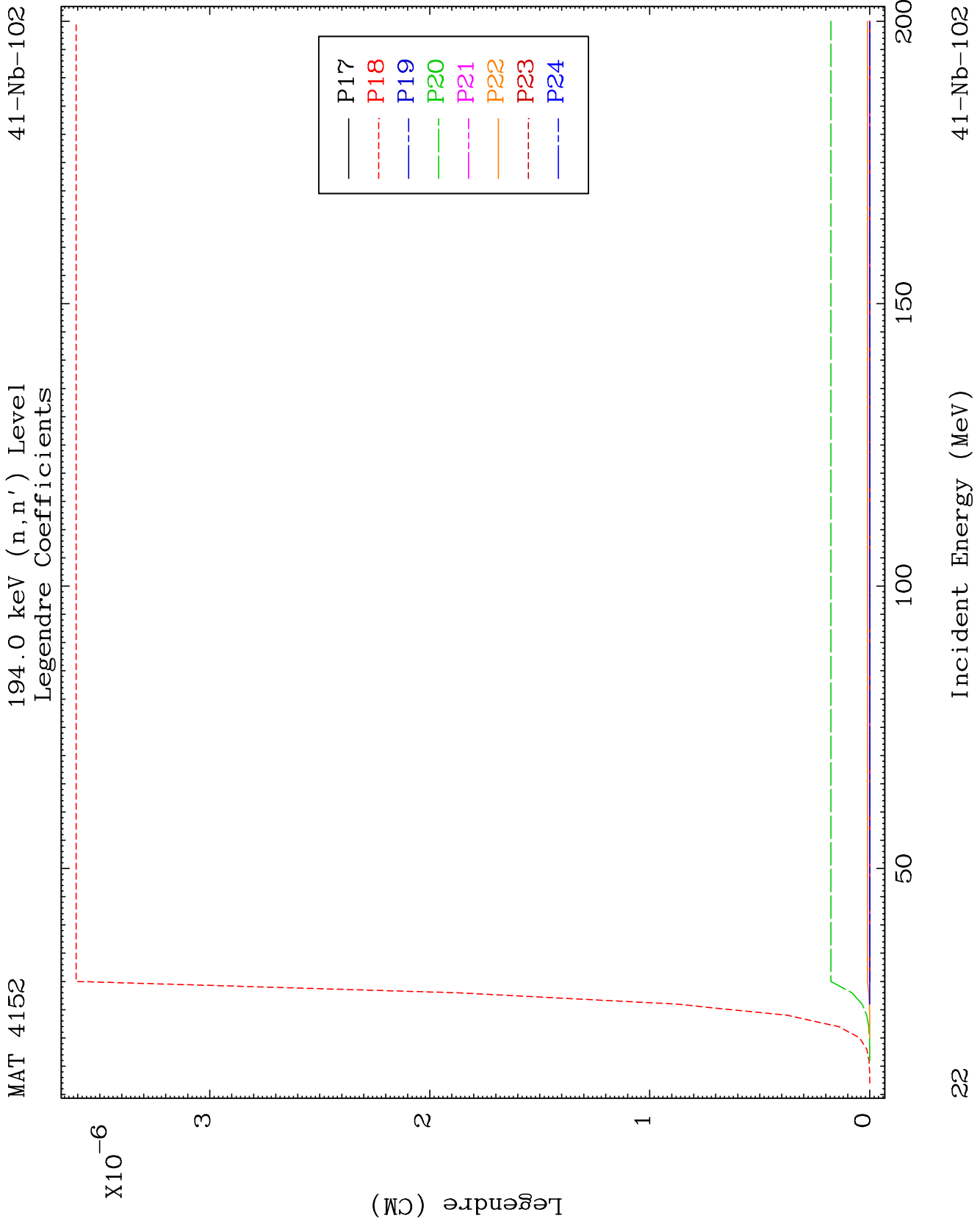
15

41-Nb-102

Incident Energy (MeV)

19

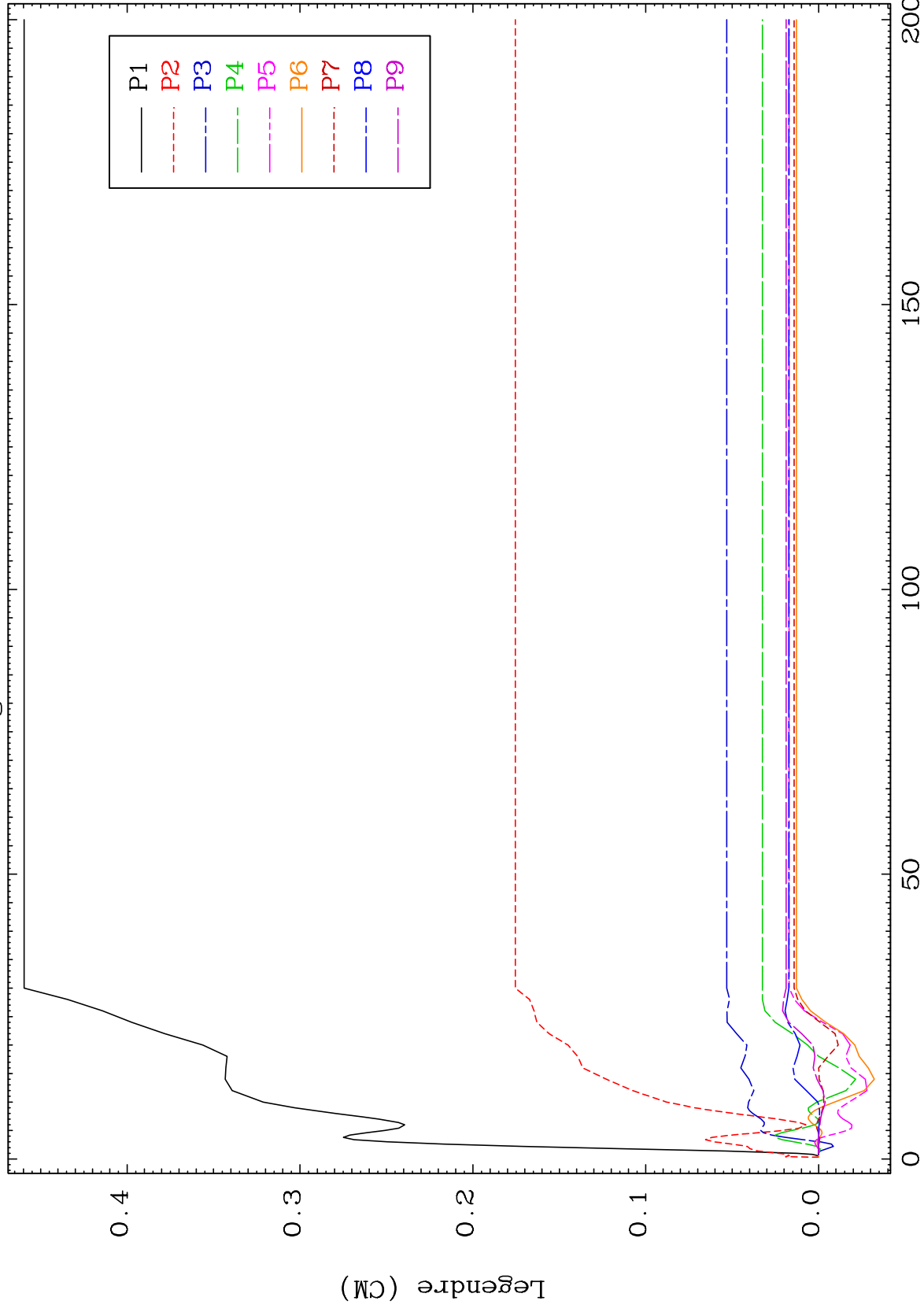




MAT 4152

312.0 keV (n,n') Level
Legendre Coefficients

41-Nb-102



23

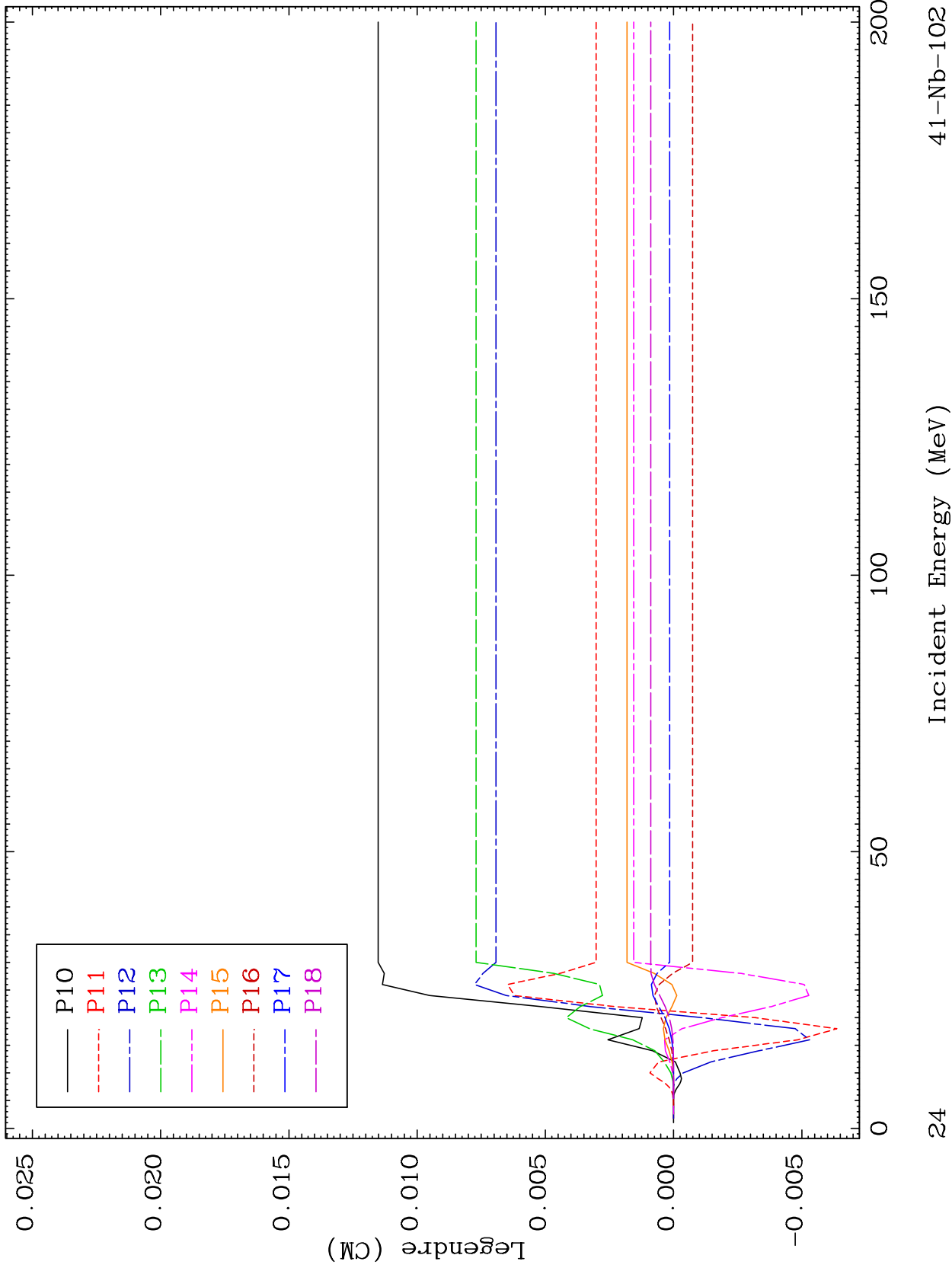
Incident Energy (MeV)

41-Nb-102

MAT 4152

312.0 keV (n,n') Level
Legendre Coefficients

41-Nb-102



24

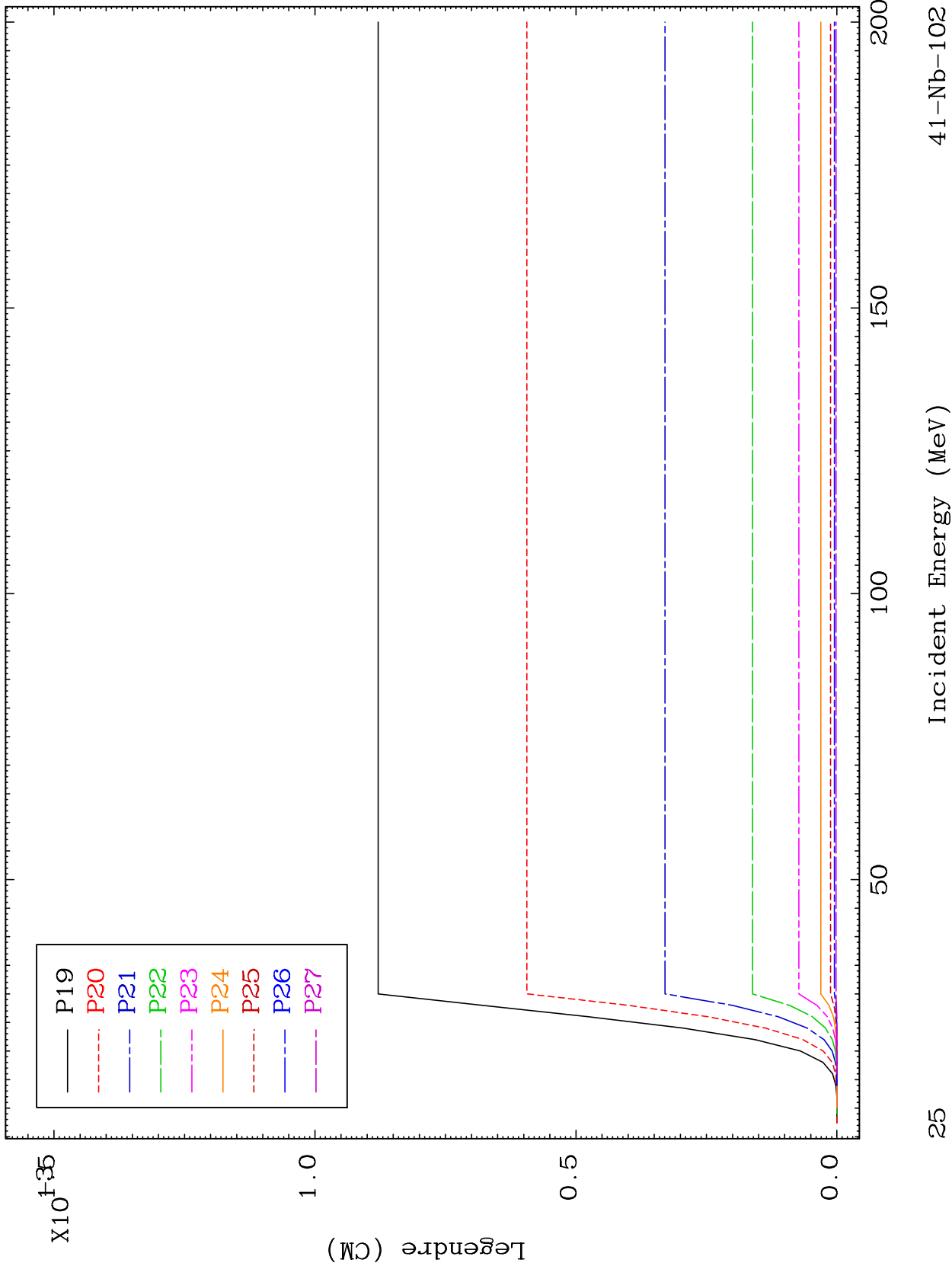
Incident Energy (MeV)

41-Nb-102

MAT 4152

312.0 keV (n,n') Level
Legendre Coefficients

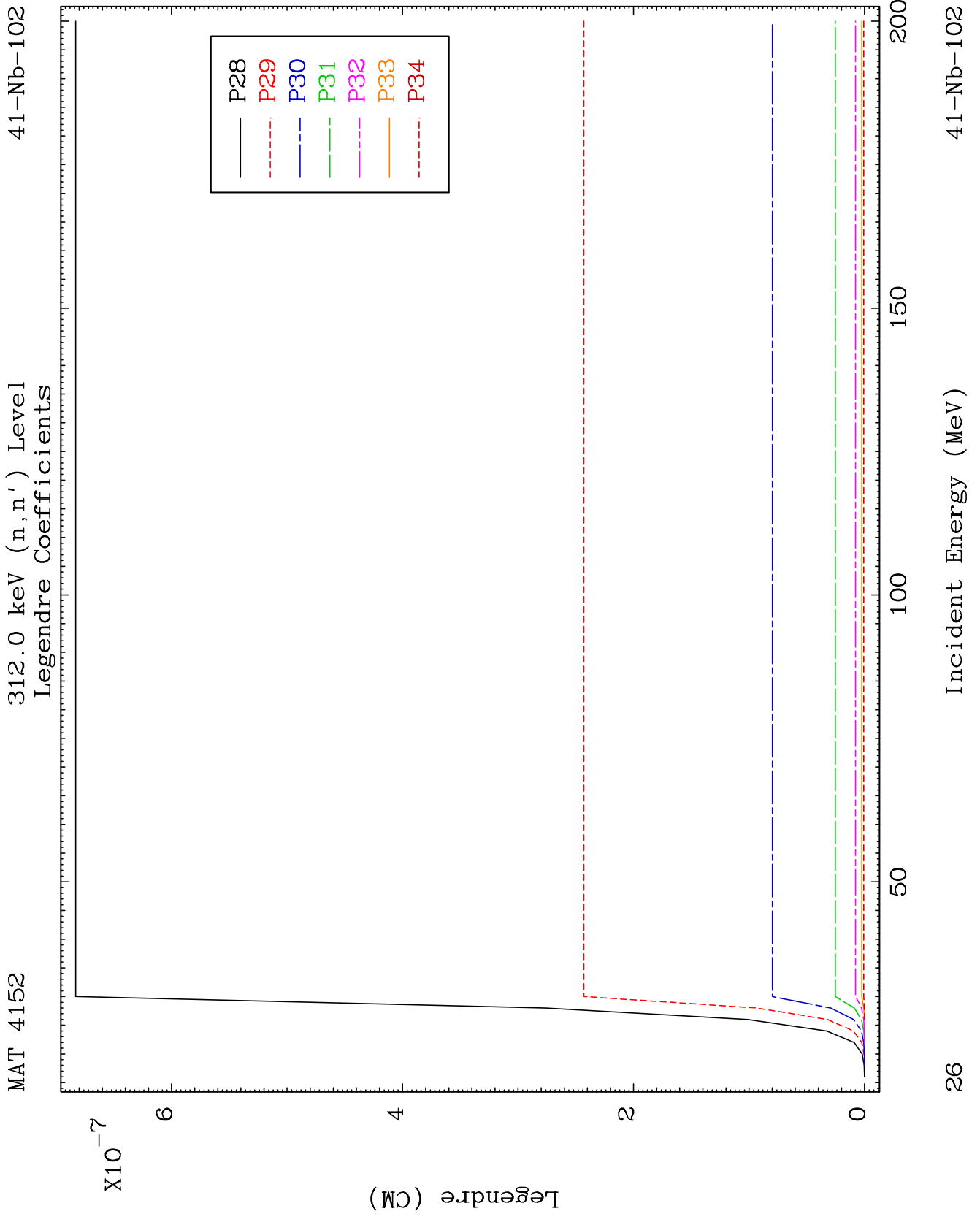
41-Nb-102



25

Incident Energy (MeV)

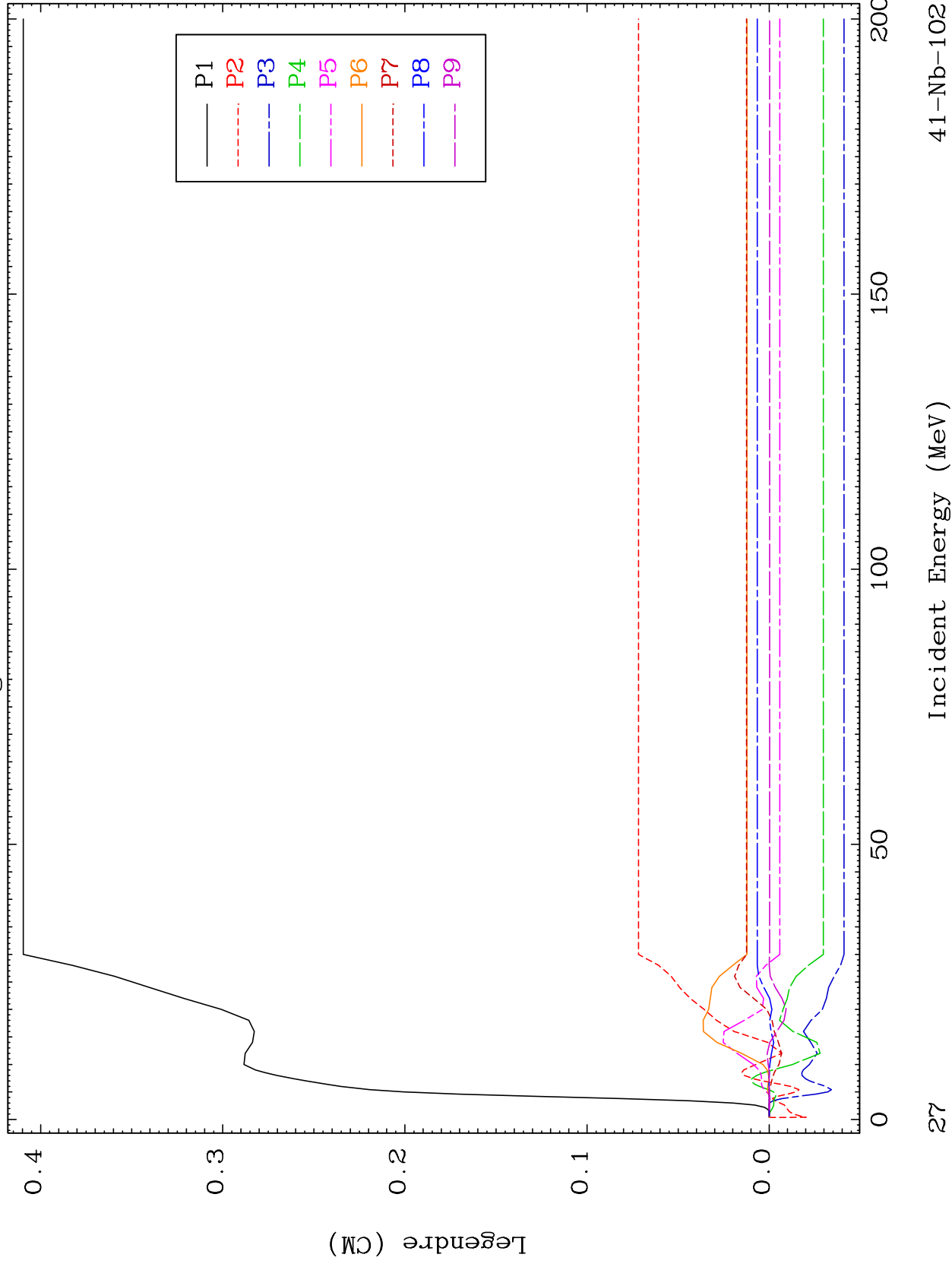
41-Nb-102



MAT 4152

351.9 keV (n,n') Level
Legendre Coefficients

41-Nb-102



27

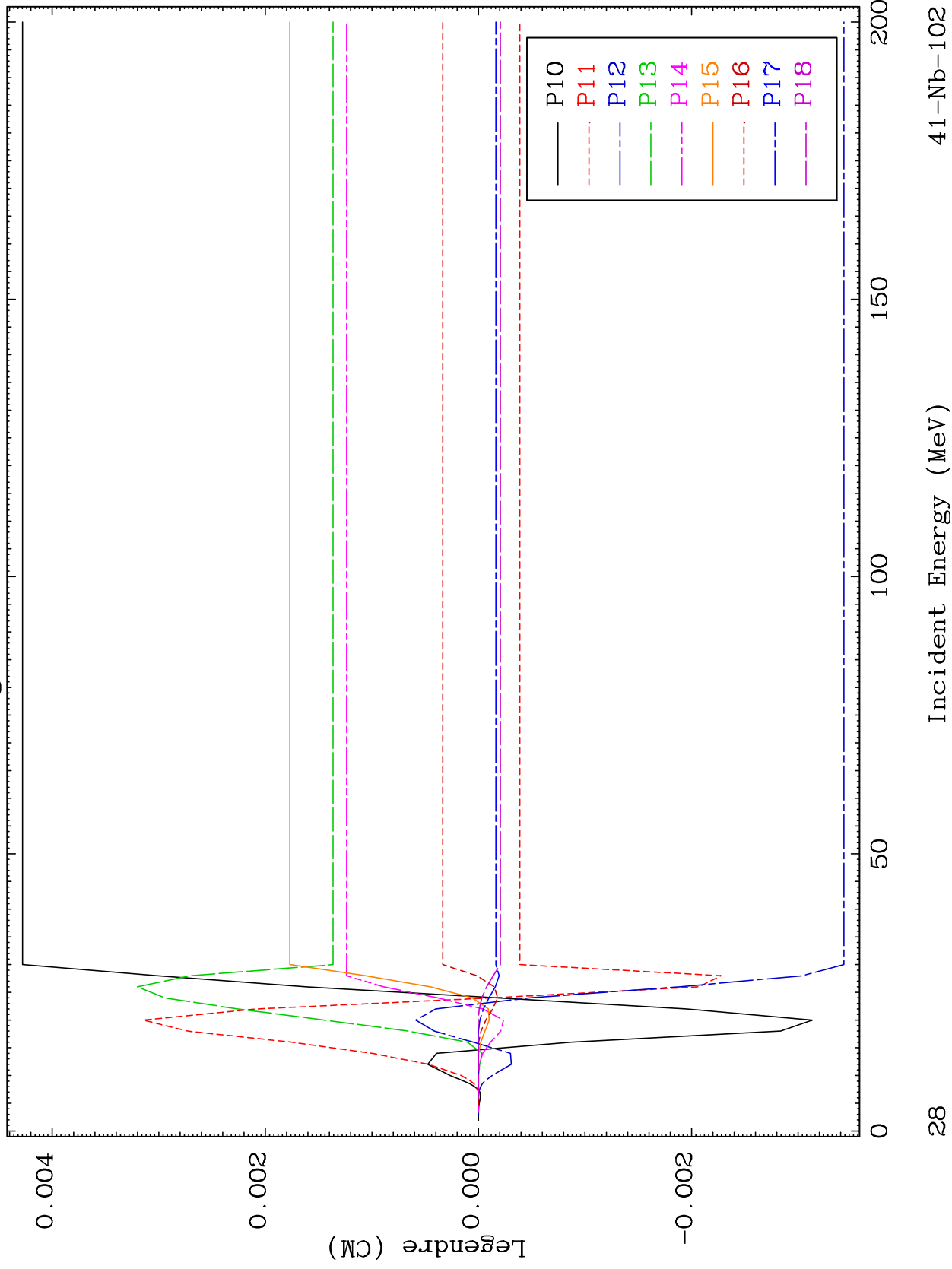
Incident Energy (MeV)

41-Nb-102

MAT 4152

351.9 keV (n,n') Level
Legendre Coefficients

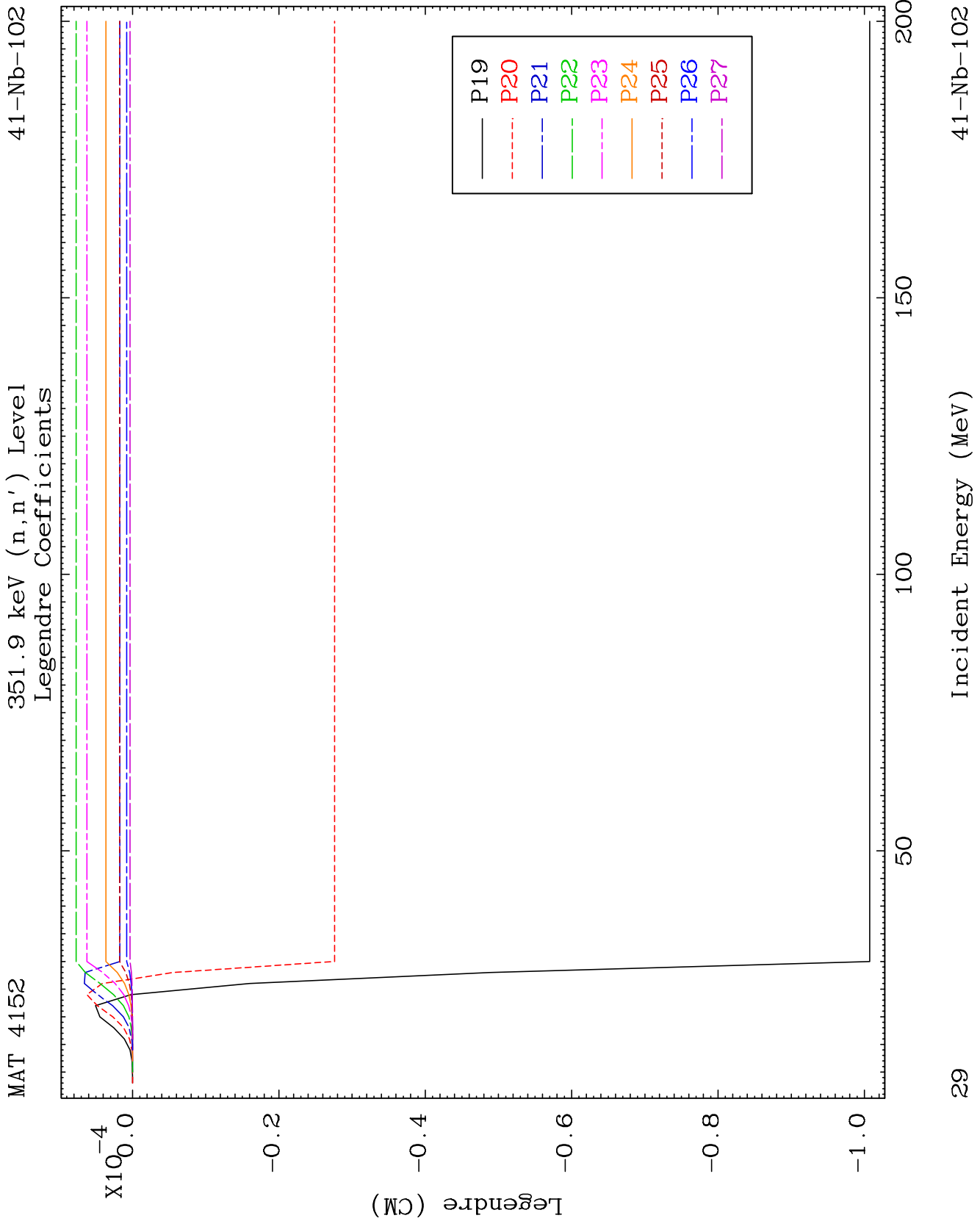
41-Nb-102



28

Incident Energy (MeV)

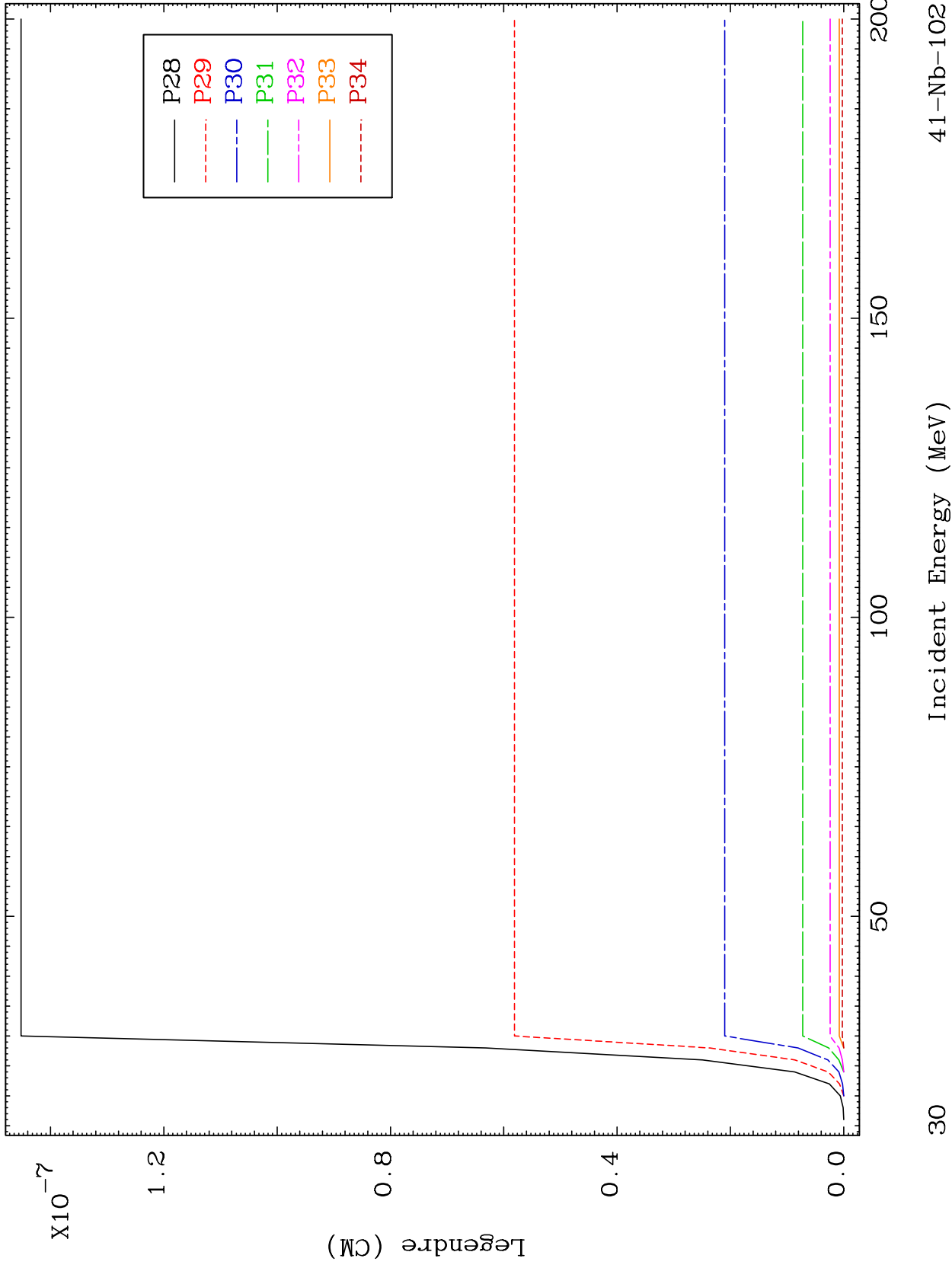
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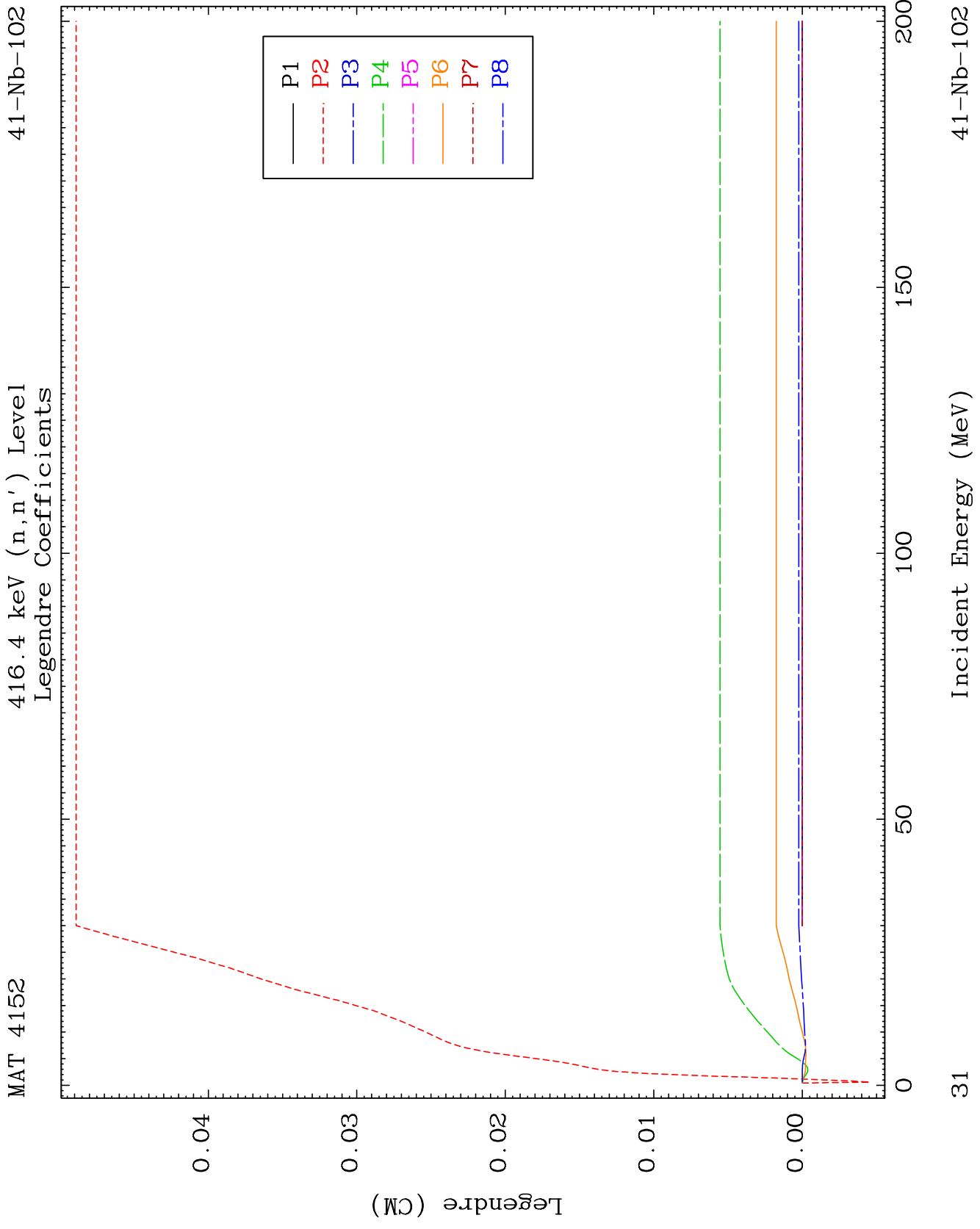


MAT 4152

351.9 keV (n,n') Level
Legendre Coefficients

41-Nb-102

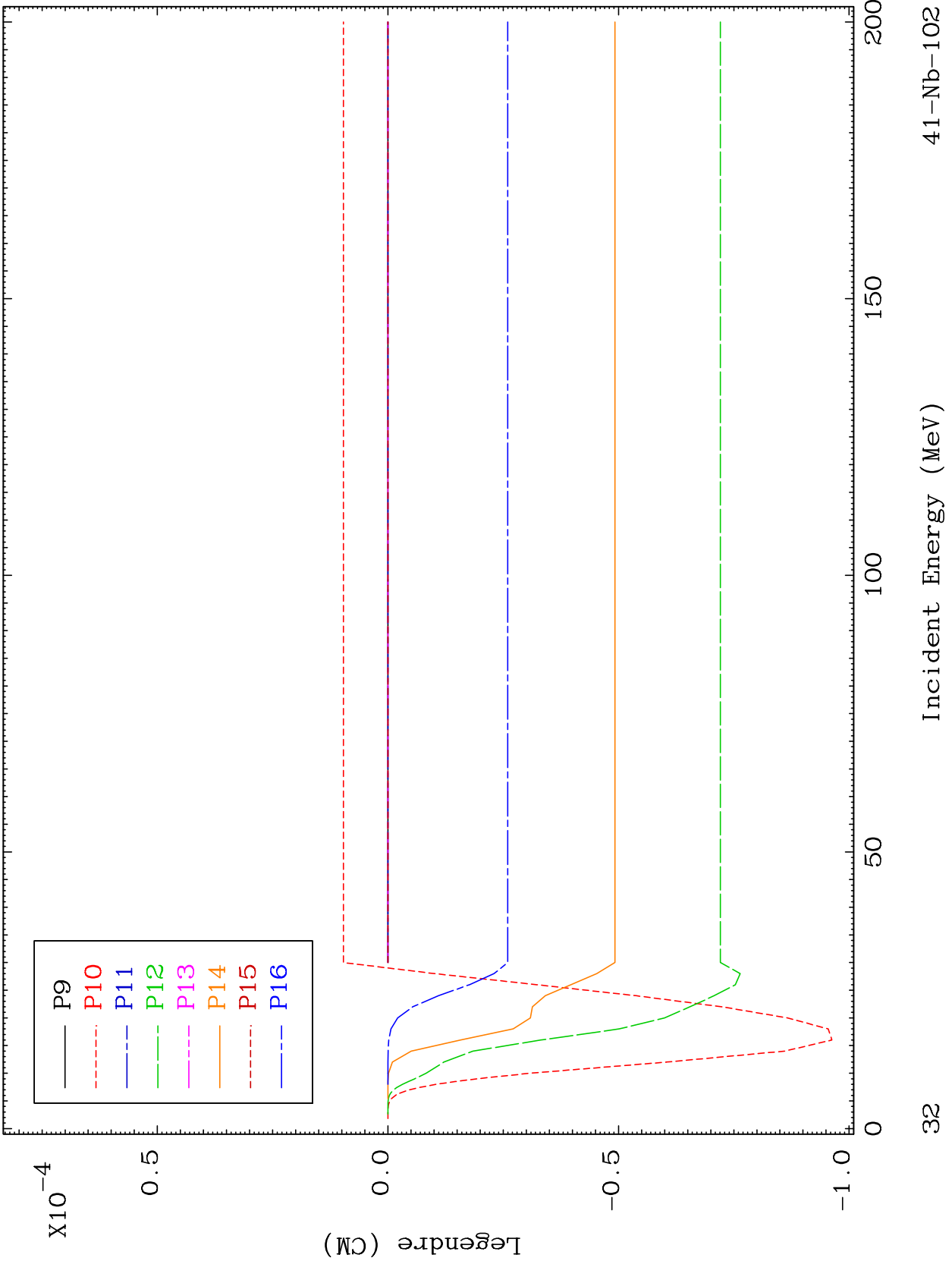




MAT 4152

416.4 keV (n,n') Level
Legendre Coefficients

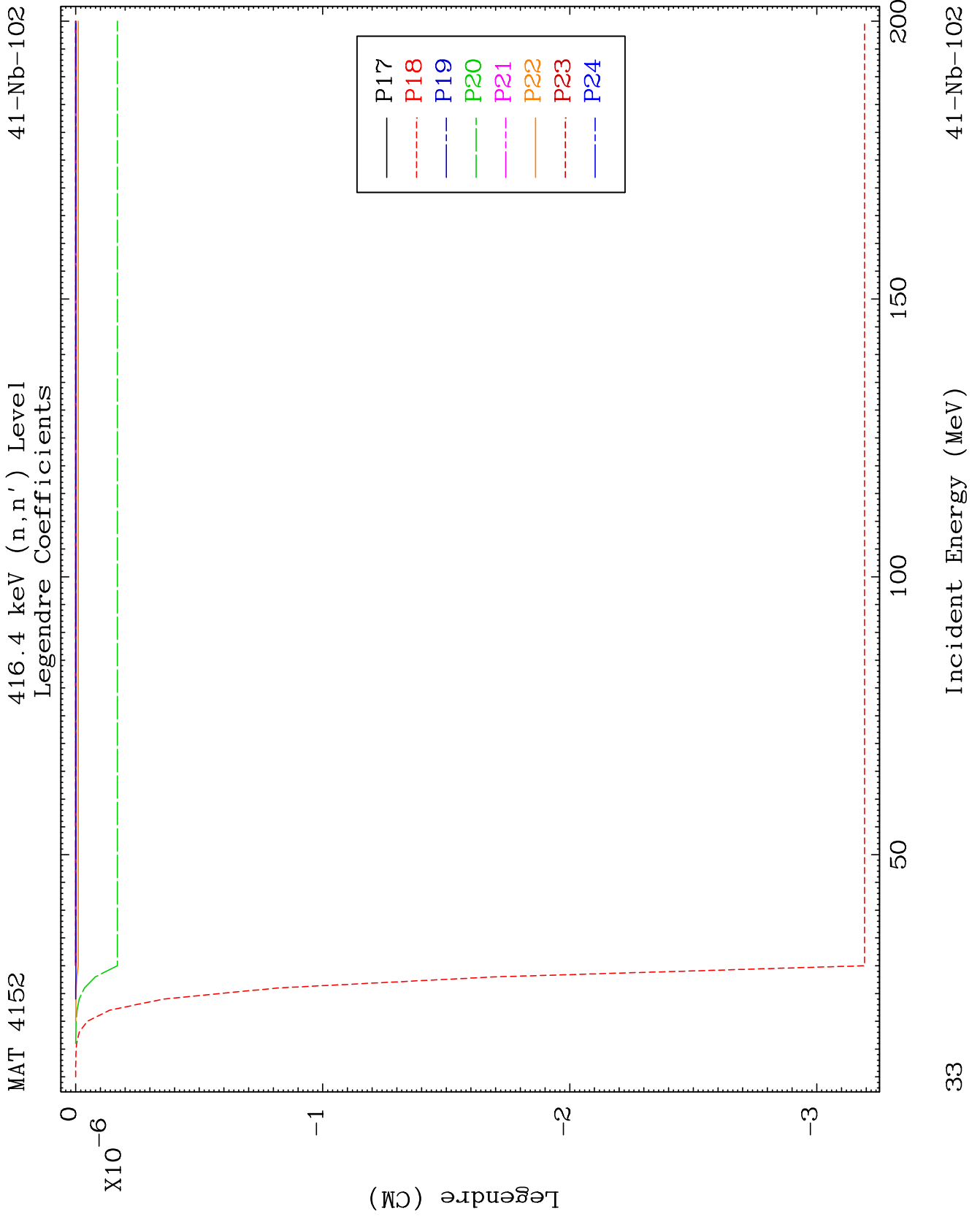
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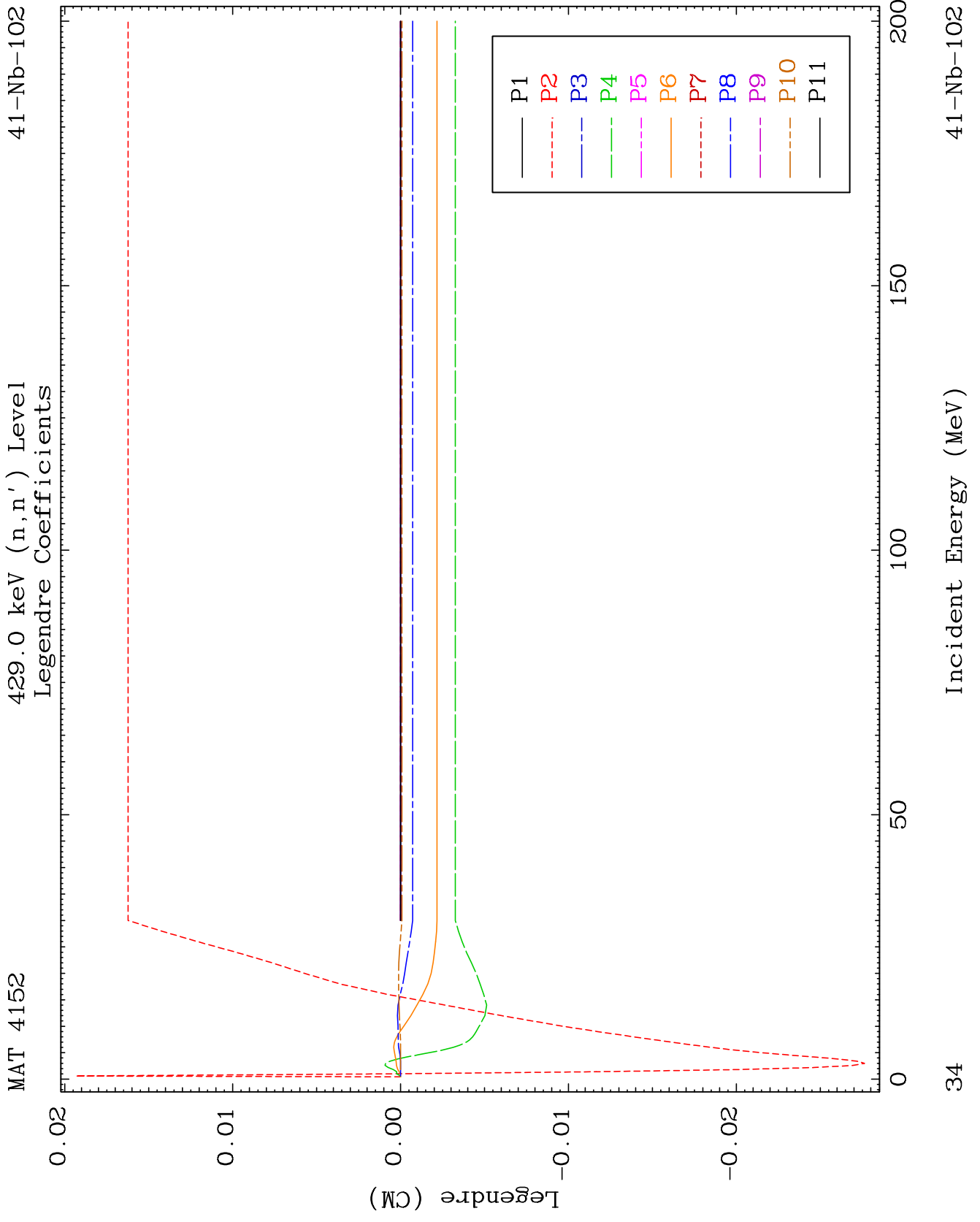


32

Incident Energy (MeV)

41-Nb-102

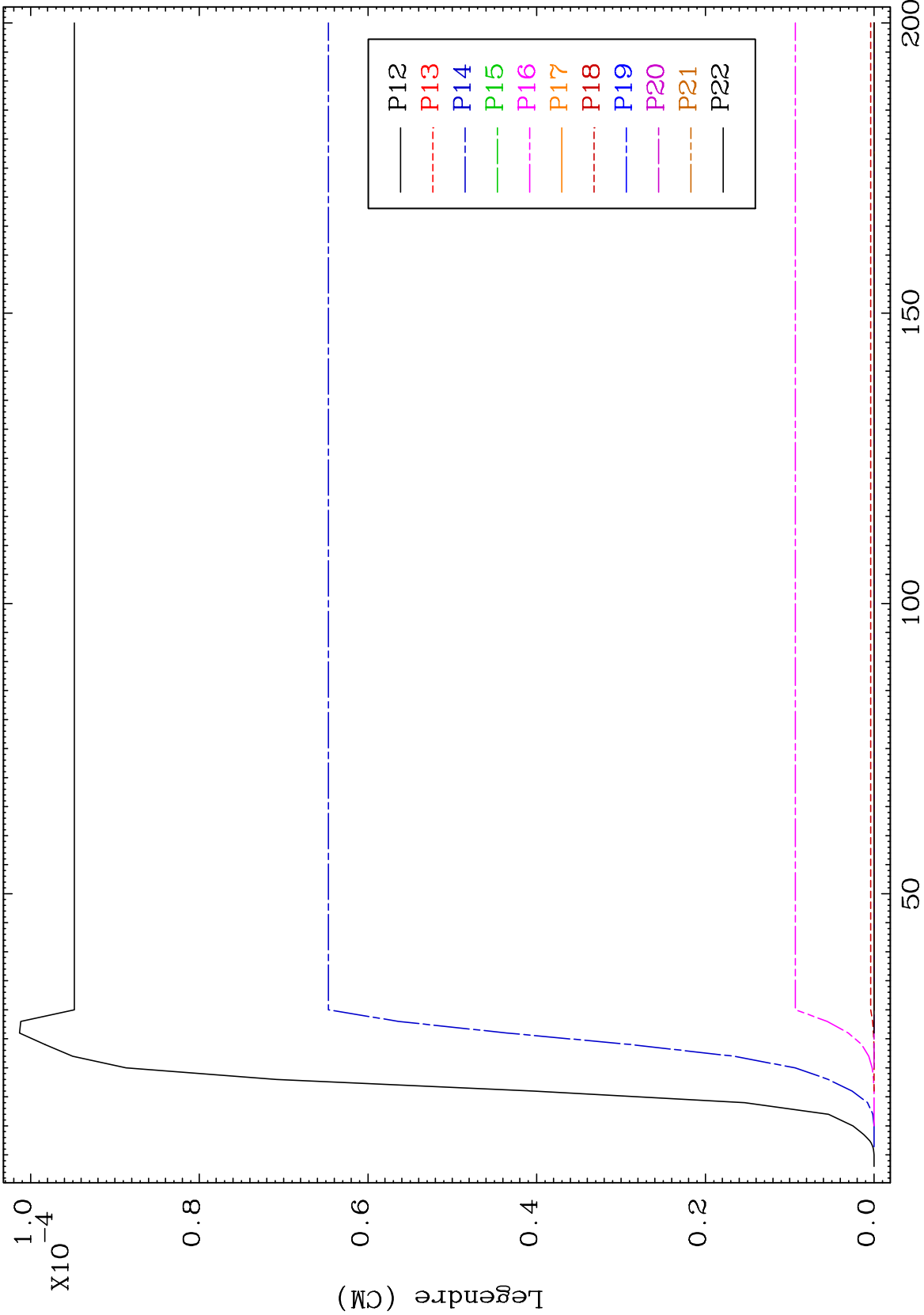




MAT 4152

429.0 keV (n,n') Level
Legendre Coefficients

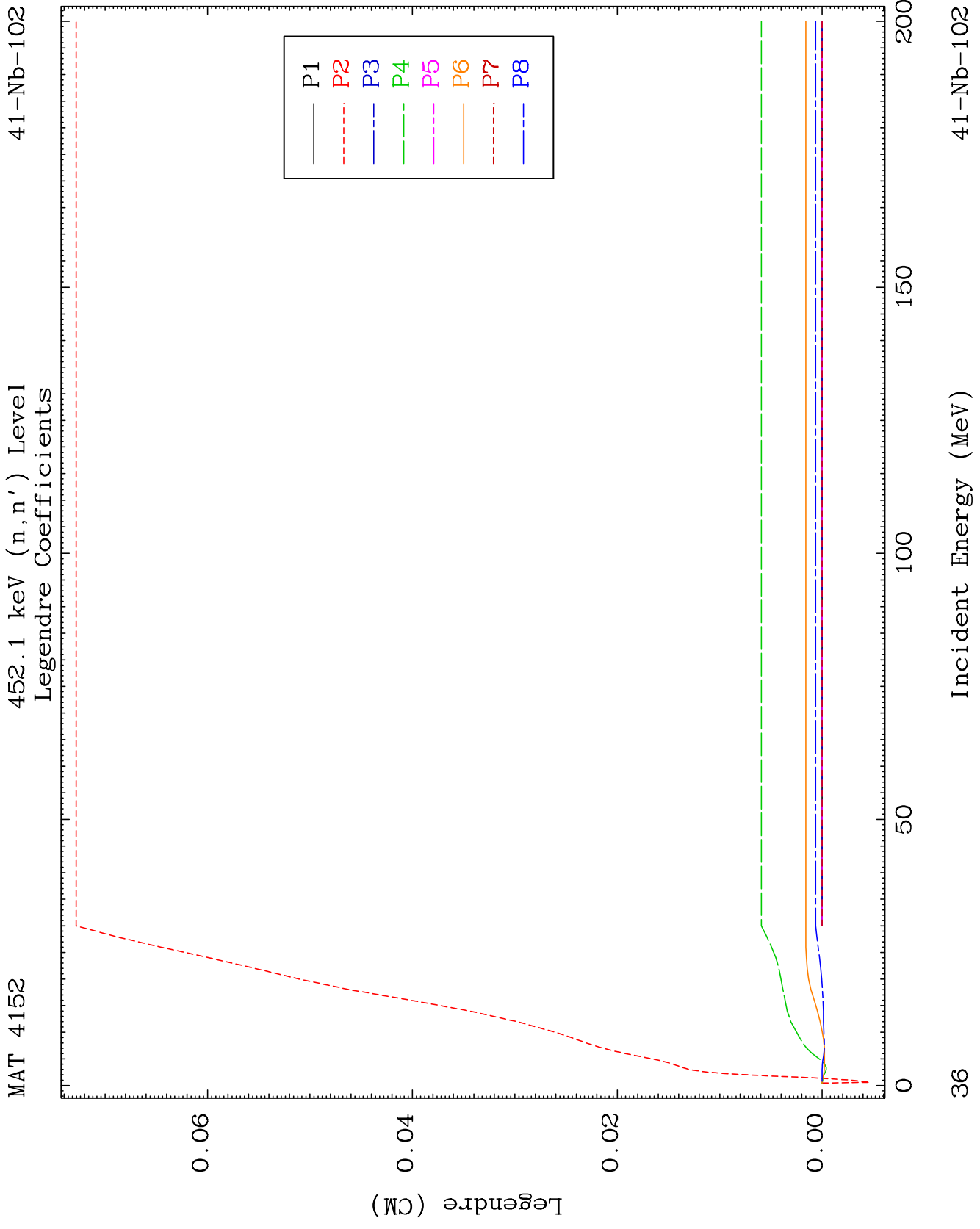
41-Nb-102



35

Incident Energy (MeV)

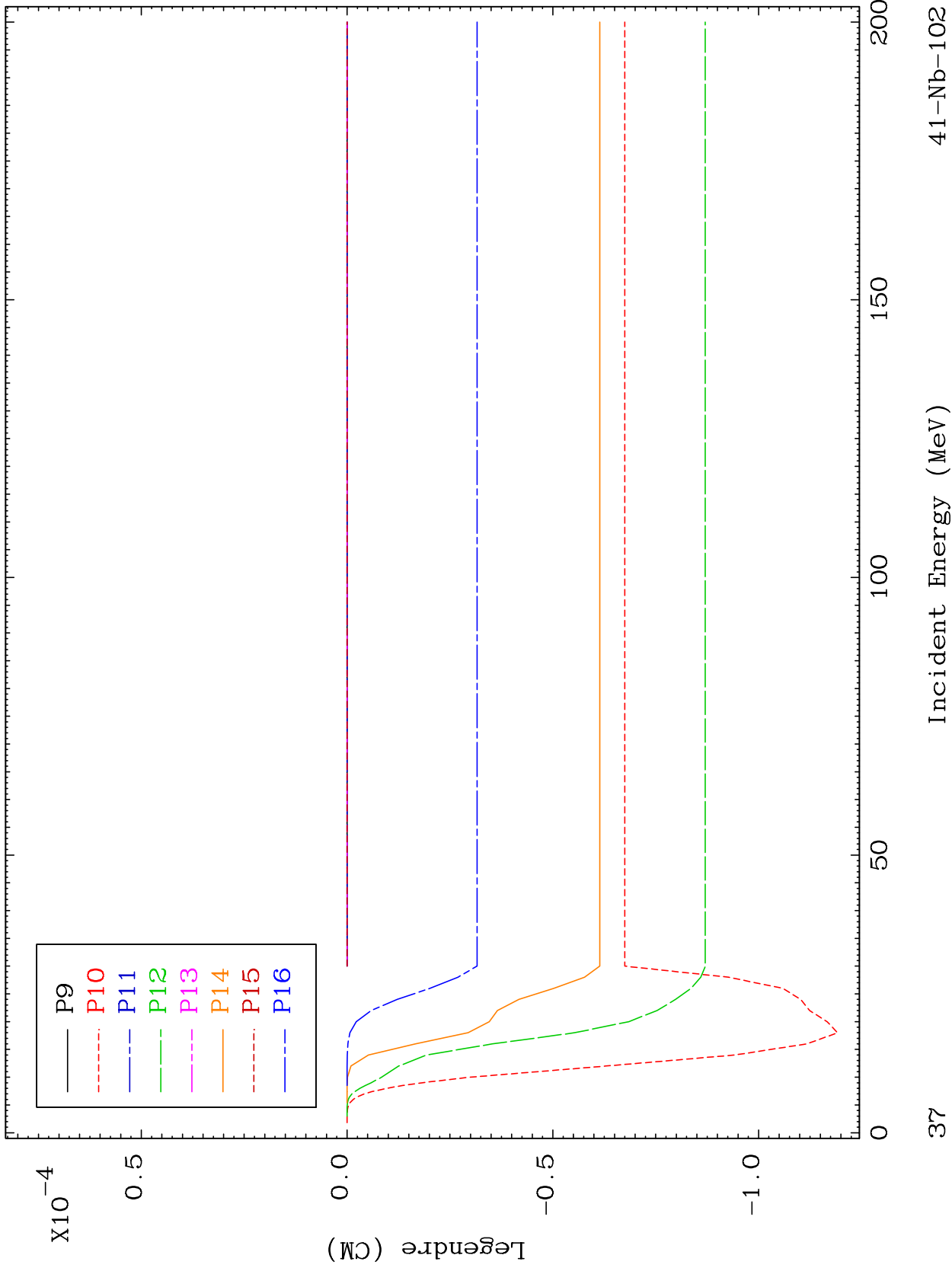
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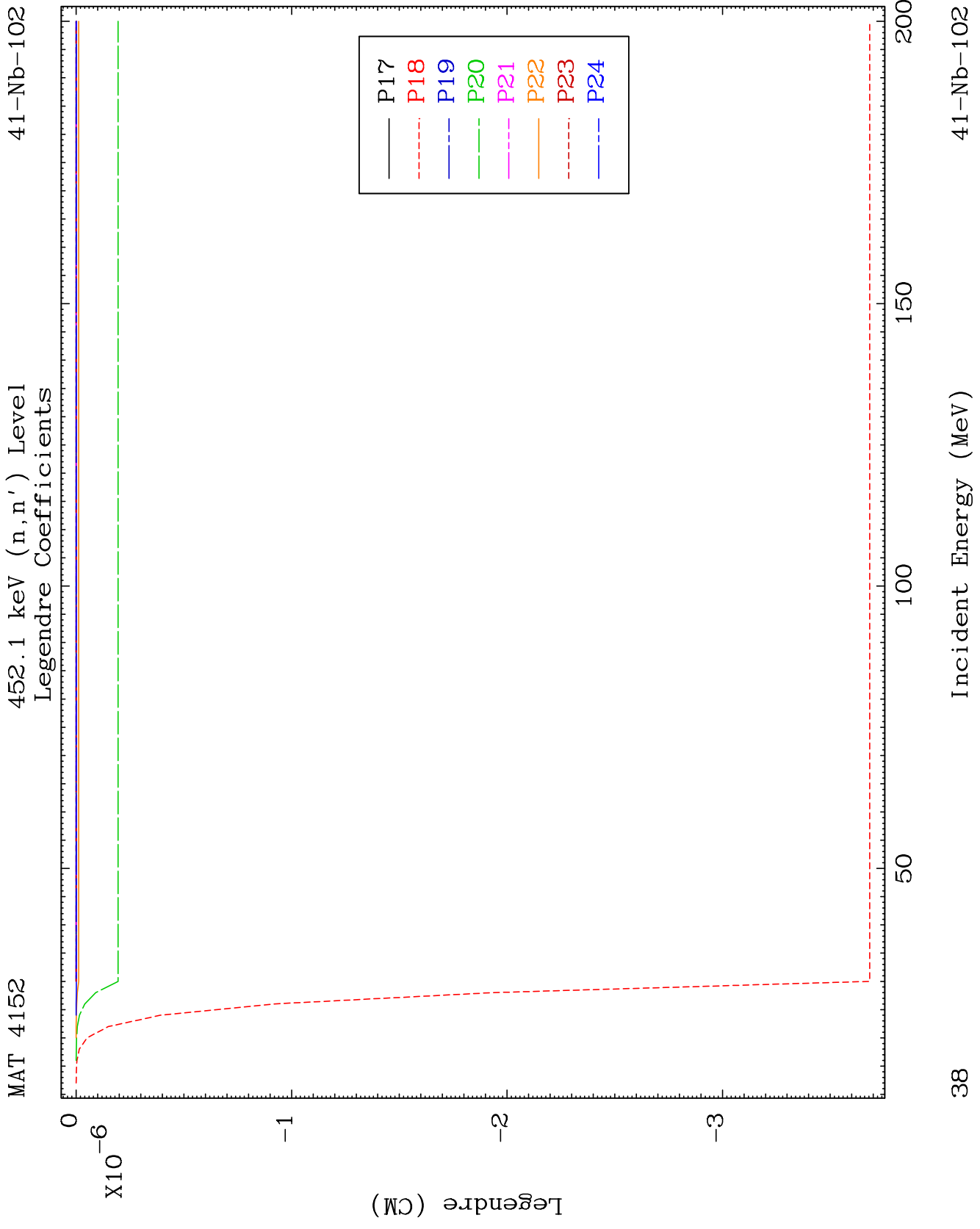


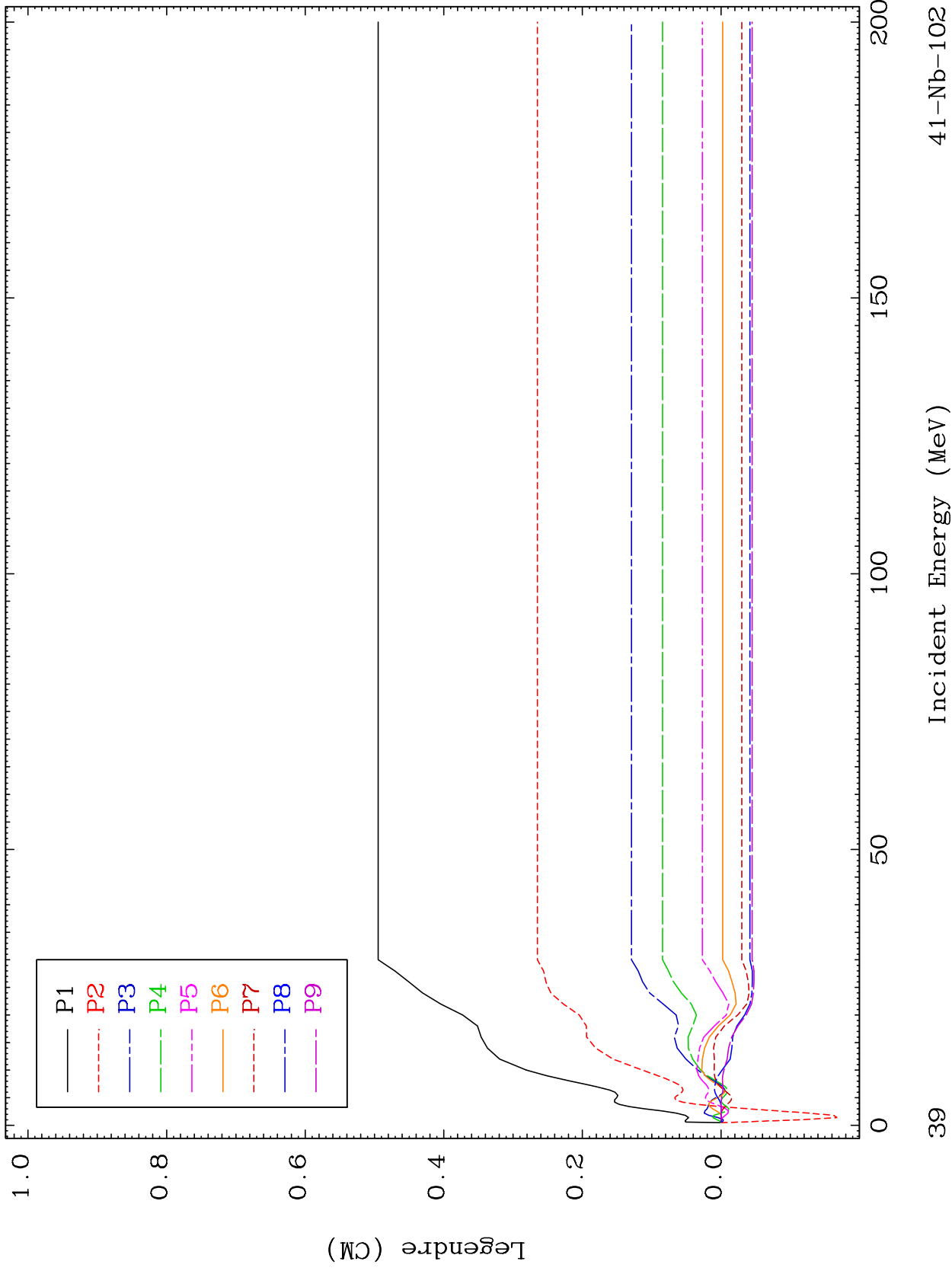
MAT 4152

452.1 keV (n,n') Level
Legendre Coefficients

41-Nb-102



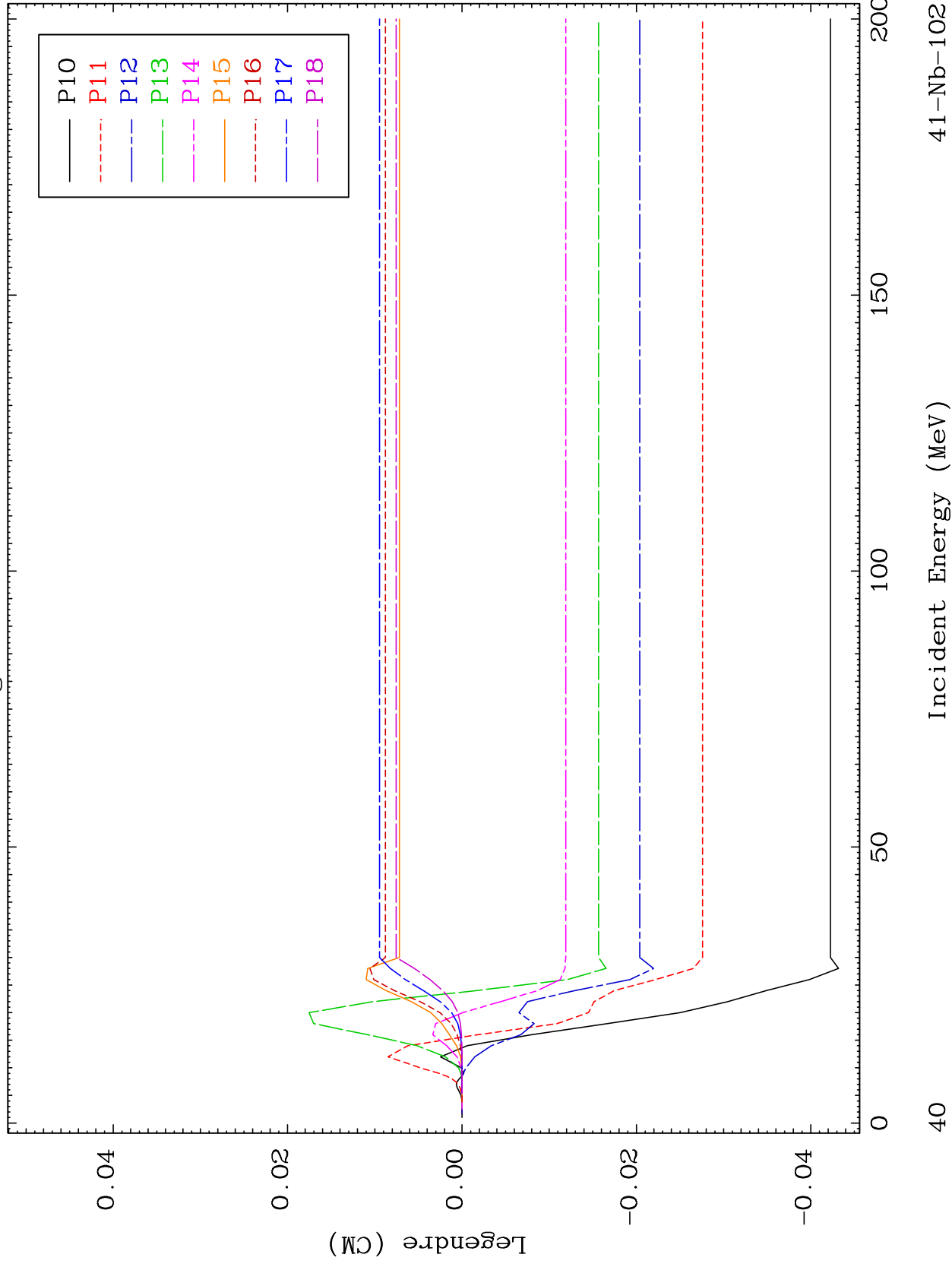




MAT 4152

461.7 keV (n,n') Level
Legendre Coefficients

41-Nb-102



41-Nb-102

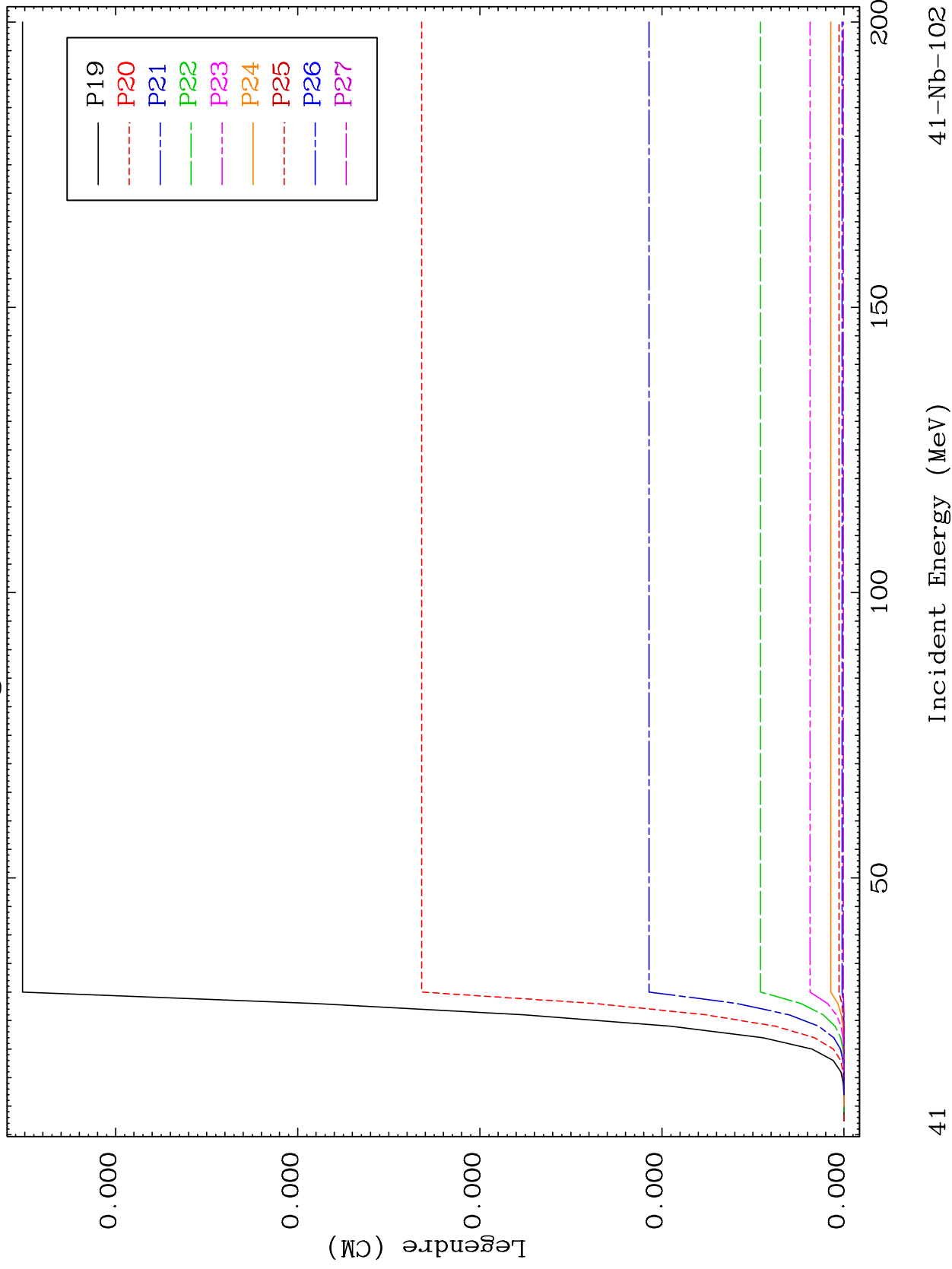
Incident Energy (MeV)

40

MAT 4152

461.7 keV (n,n') Level
Legendre Coefficients

41-Nb-102



41

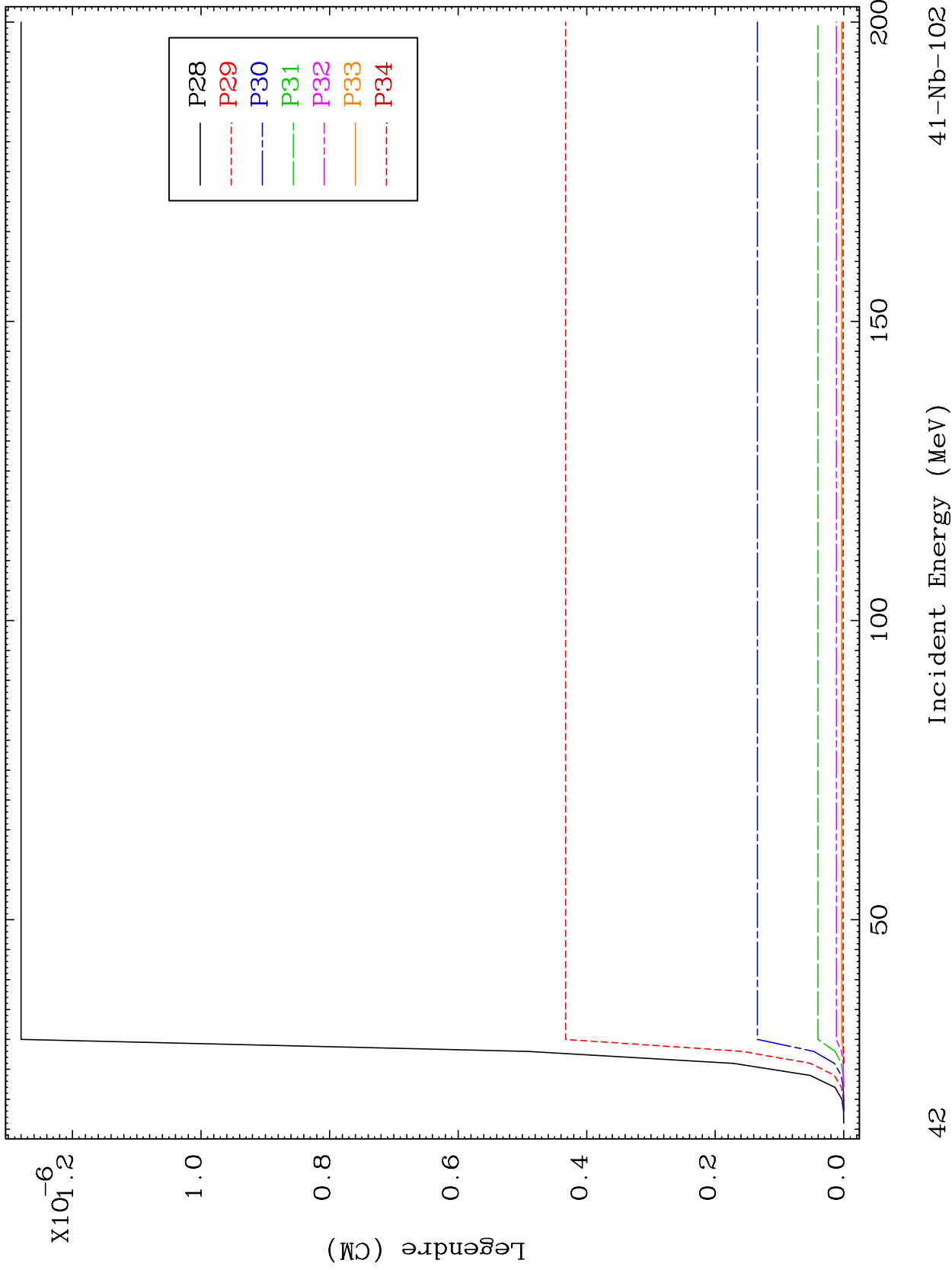
Incident Energy (MeV)

41-Nb-102

MAT 4152

461.7 keV (n,n') Level
Legendre Coefficients

41-Nb-102

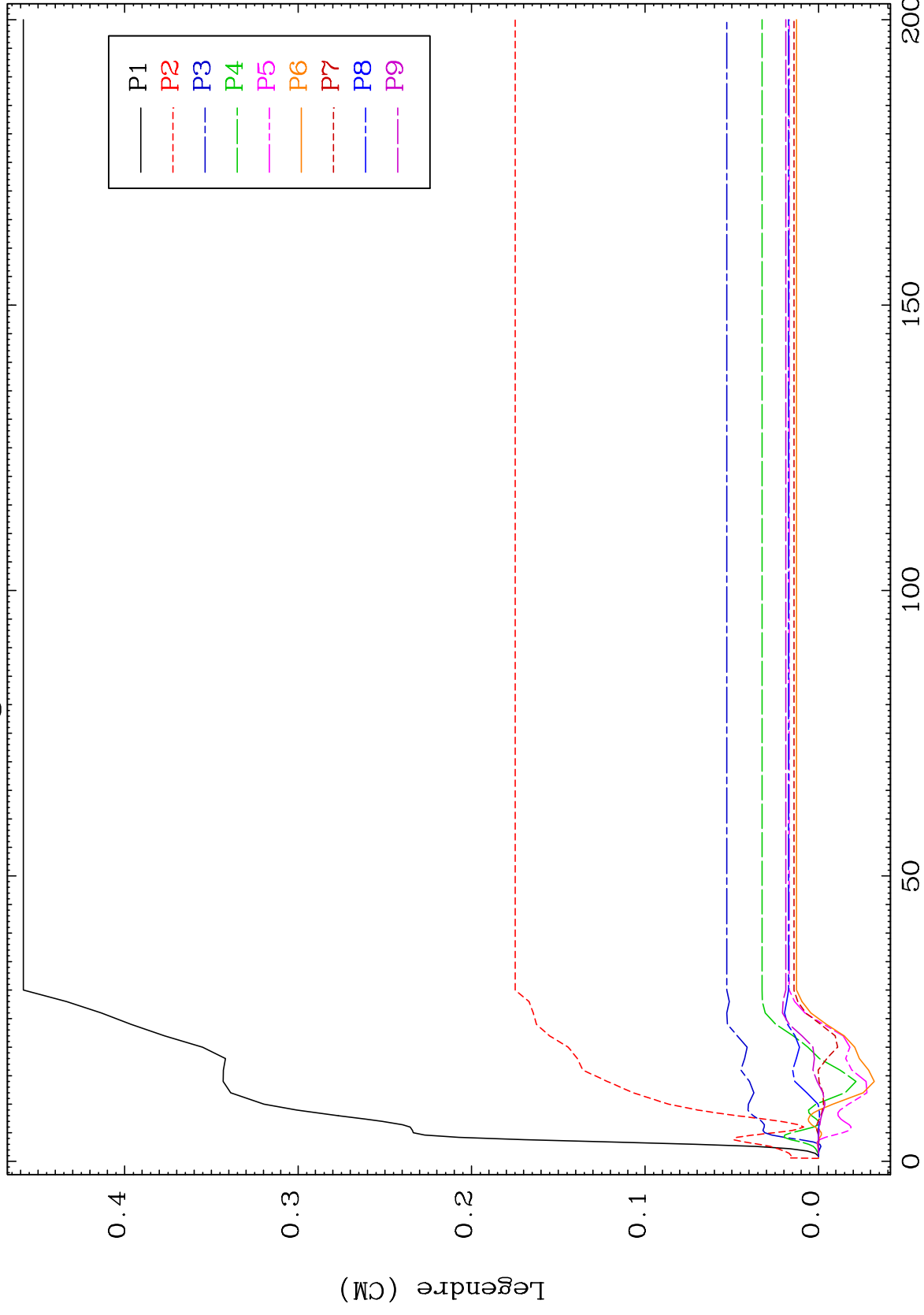


42

MAT 4152

501.8 keV (n, n') Level
Legendre Coefficients

41-Nb-102



43

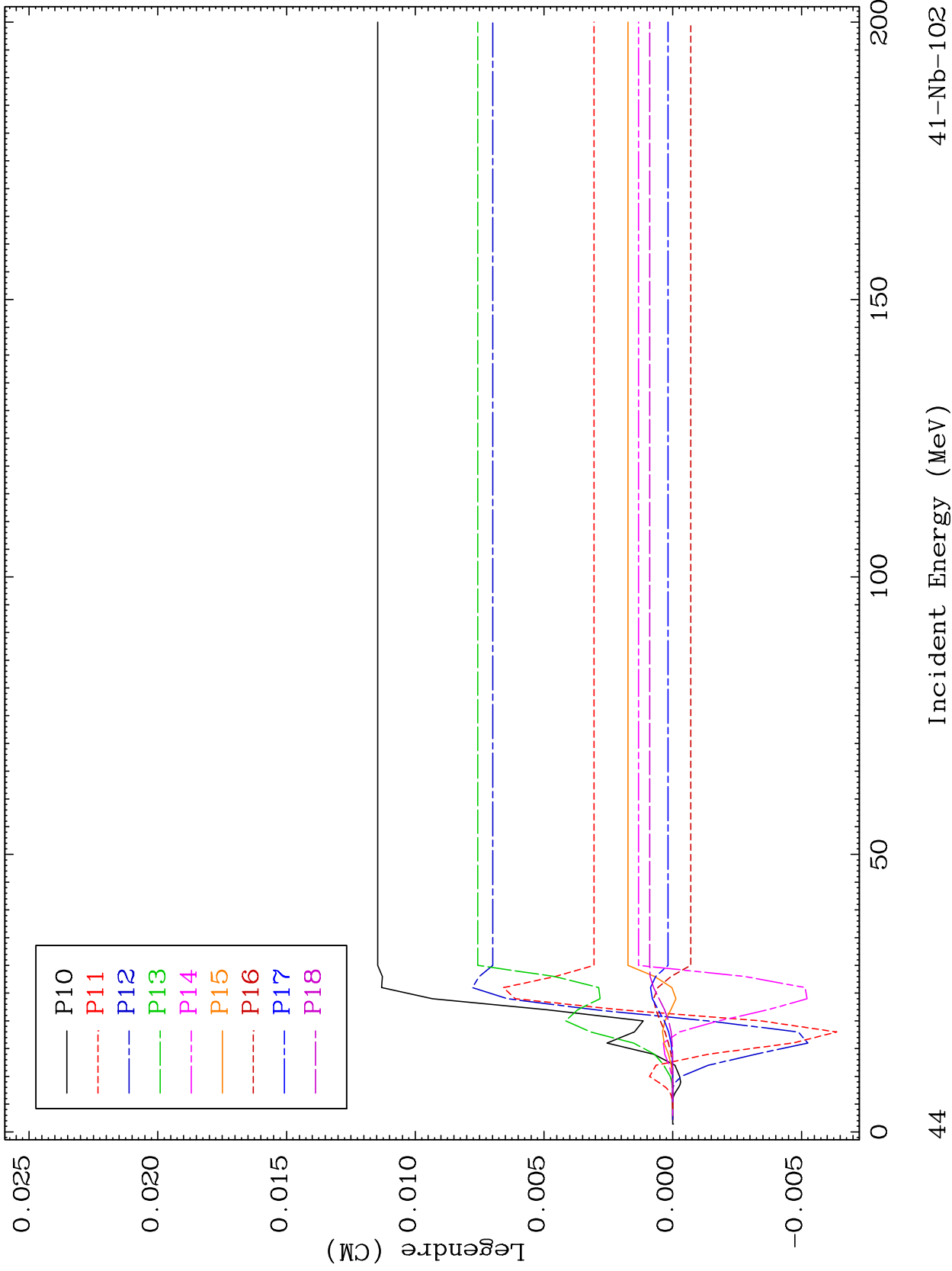
Incident Energy (MeV)

41-Nb-102

MAT 4152

501.8 keV (n,n') Level
Legendre Coefficients

41-Nb-102



44

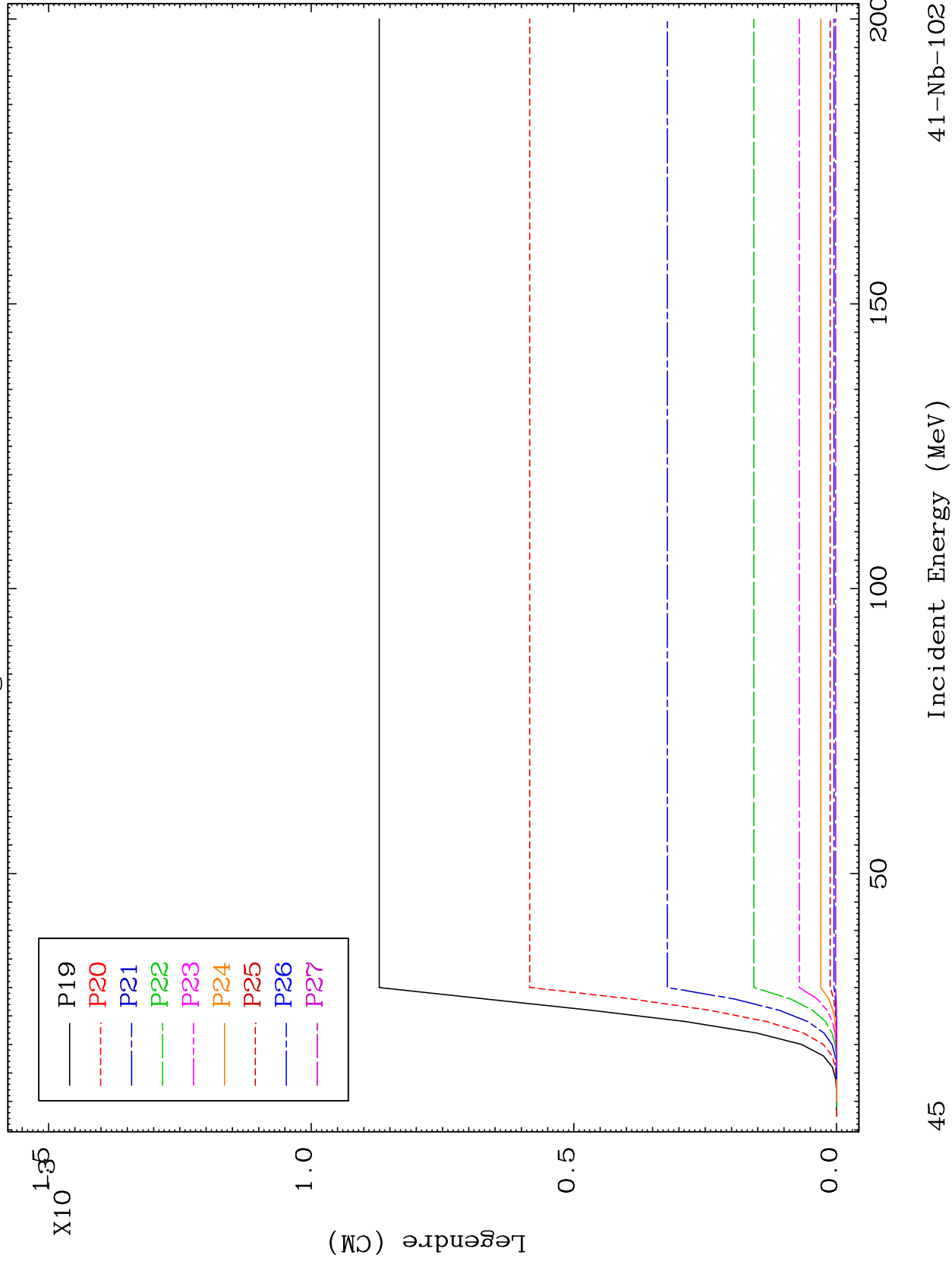
Incident Energy (MeV)

41-Nb-102

MAT 4152

501.8 keV (n,n') Level
Legendre Coefficients

41-Nb-102



45

50

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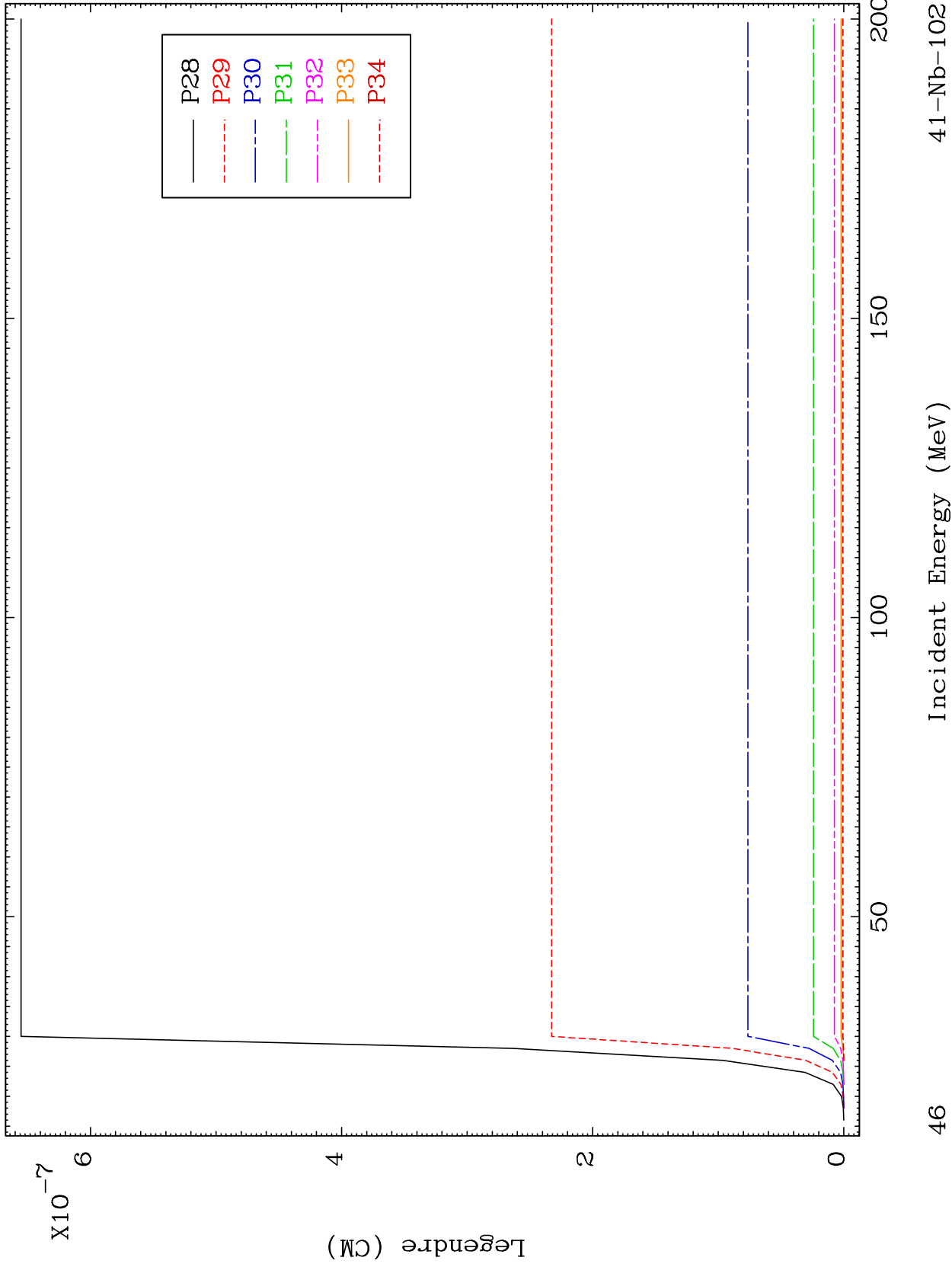
150

200

MAT 4152

501.8 keV (n,n') Level
Legendre Coefficients

41-Nb-102



46

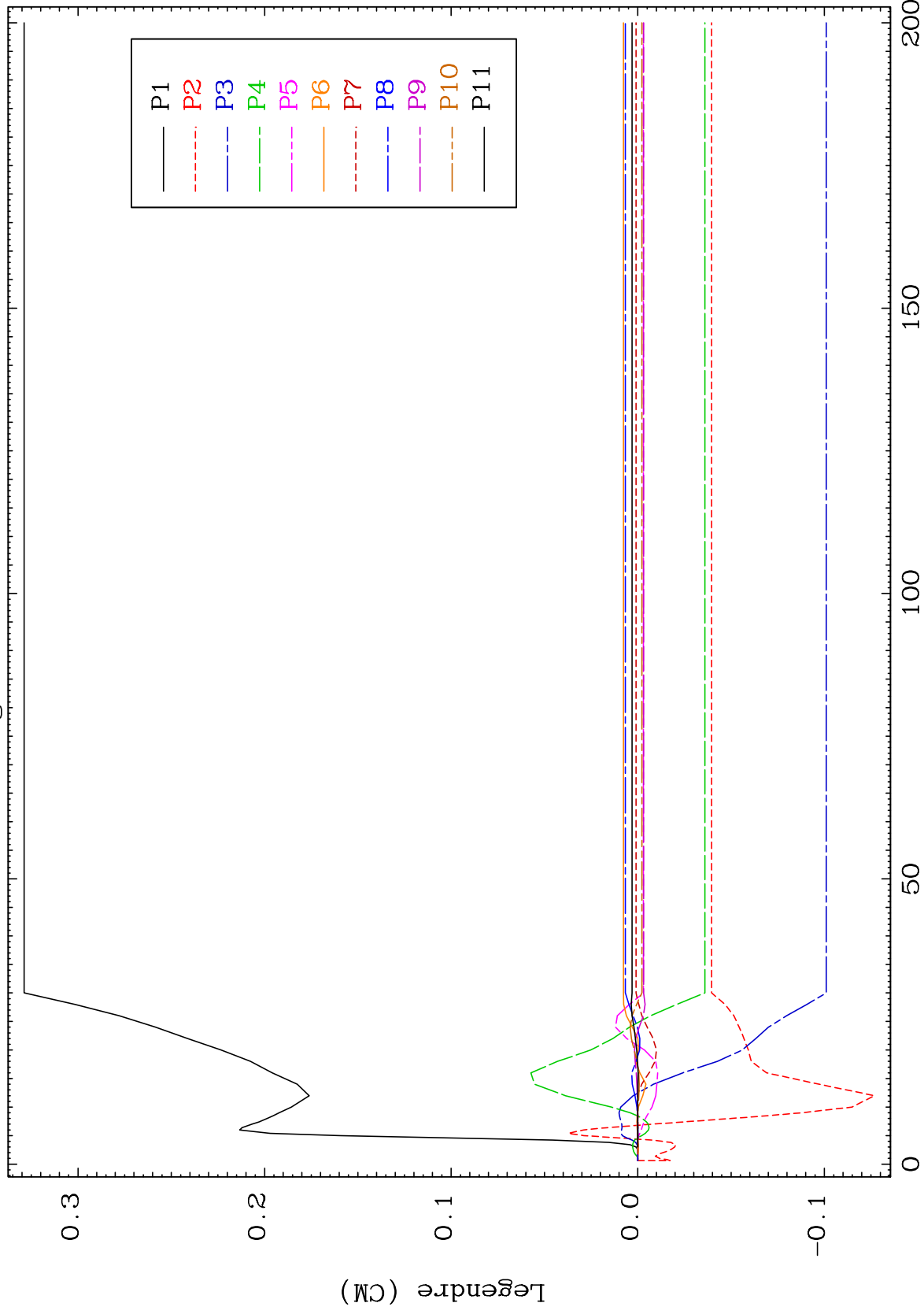
Incident Energy (MeV)

41-Nb-102

MAT 4152

592.6 keV (n,n') Level
Legendre Coefficients

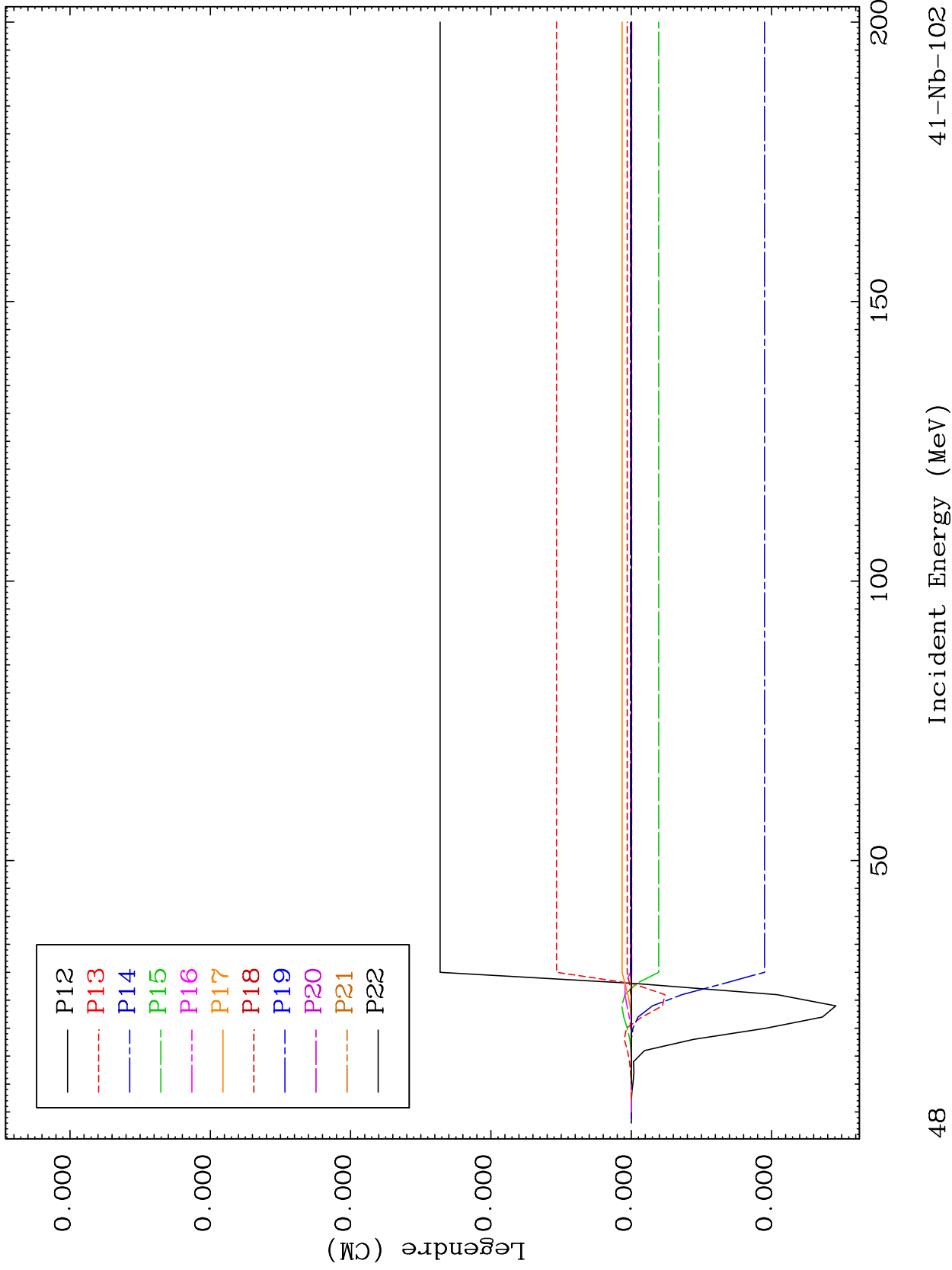
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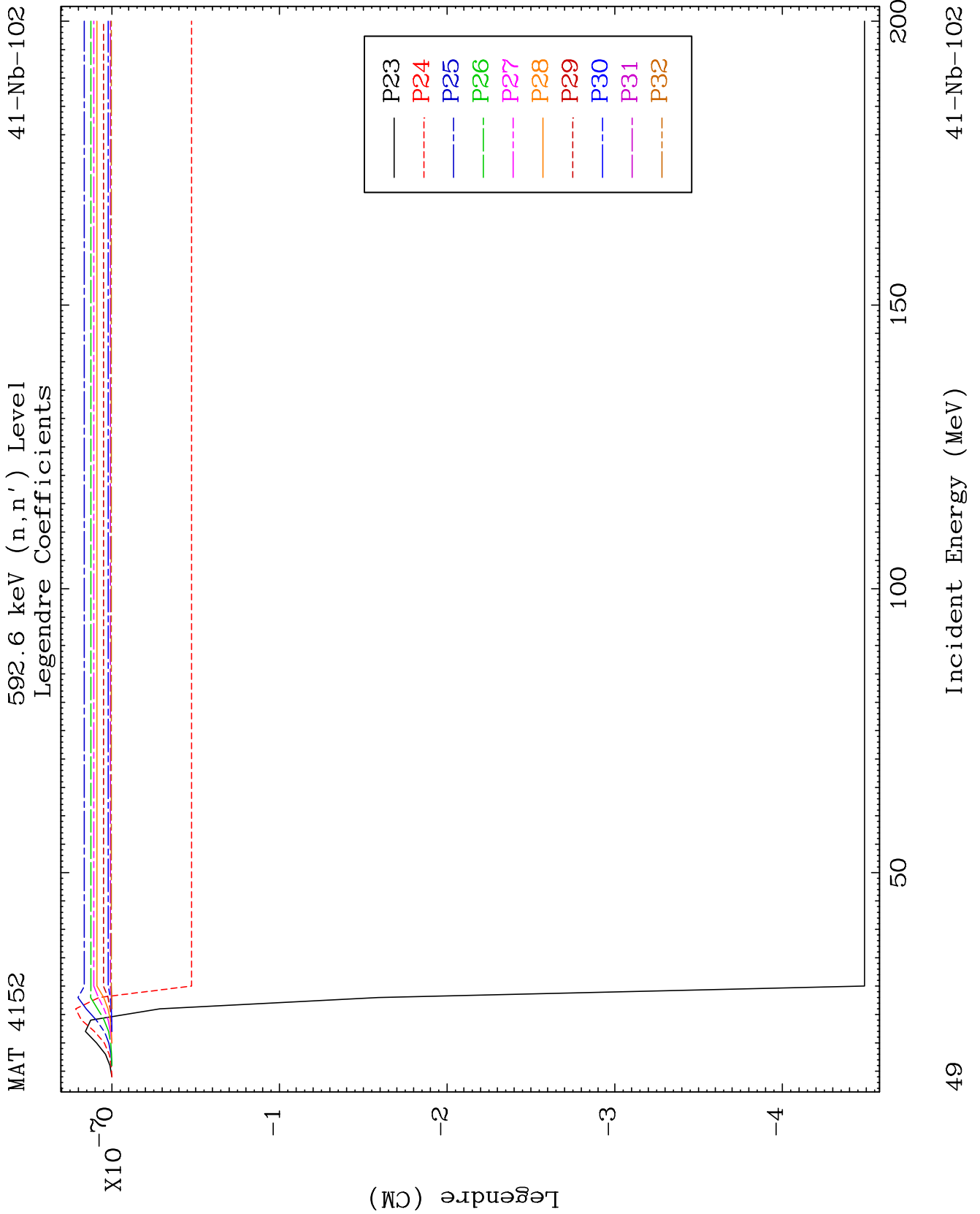


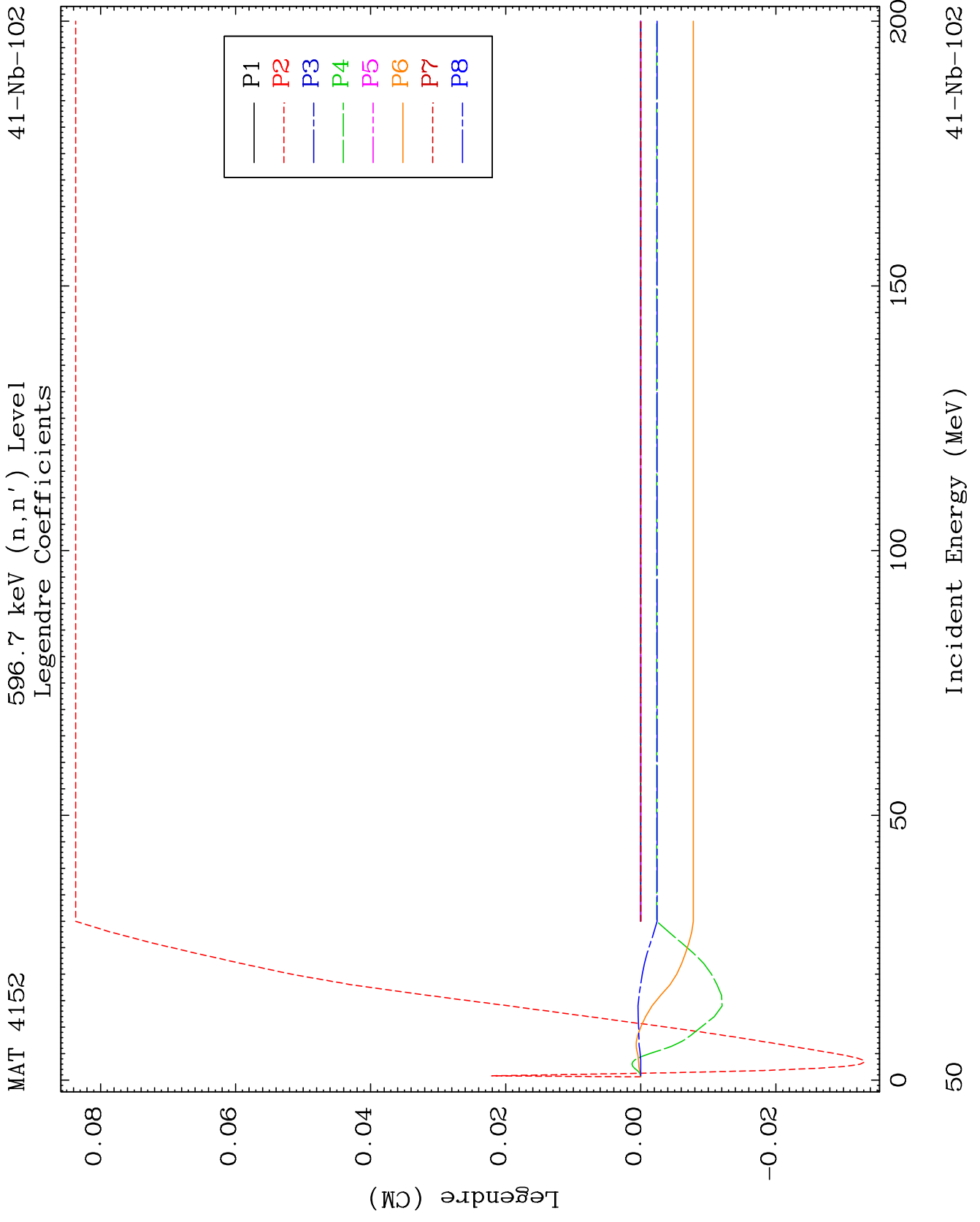
47

Incident Energy (MeV)

41-Nb-102



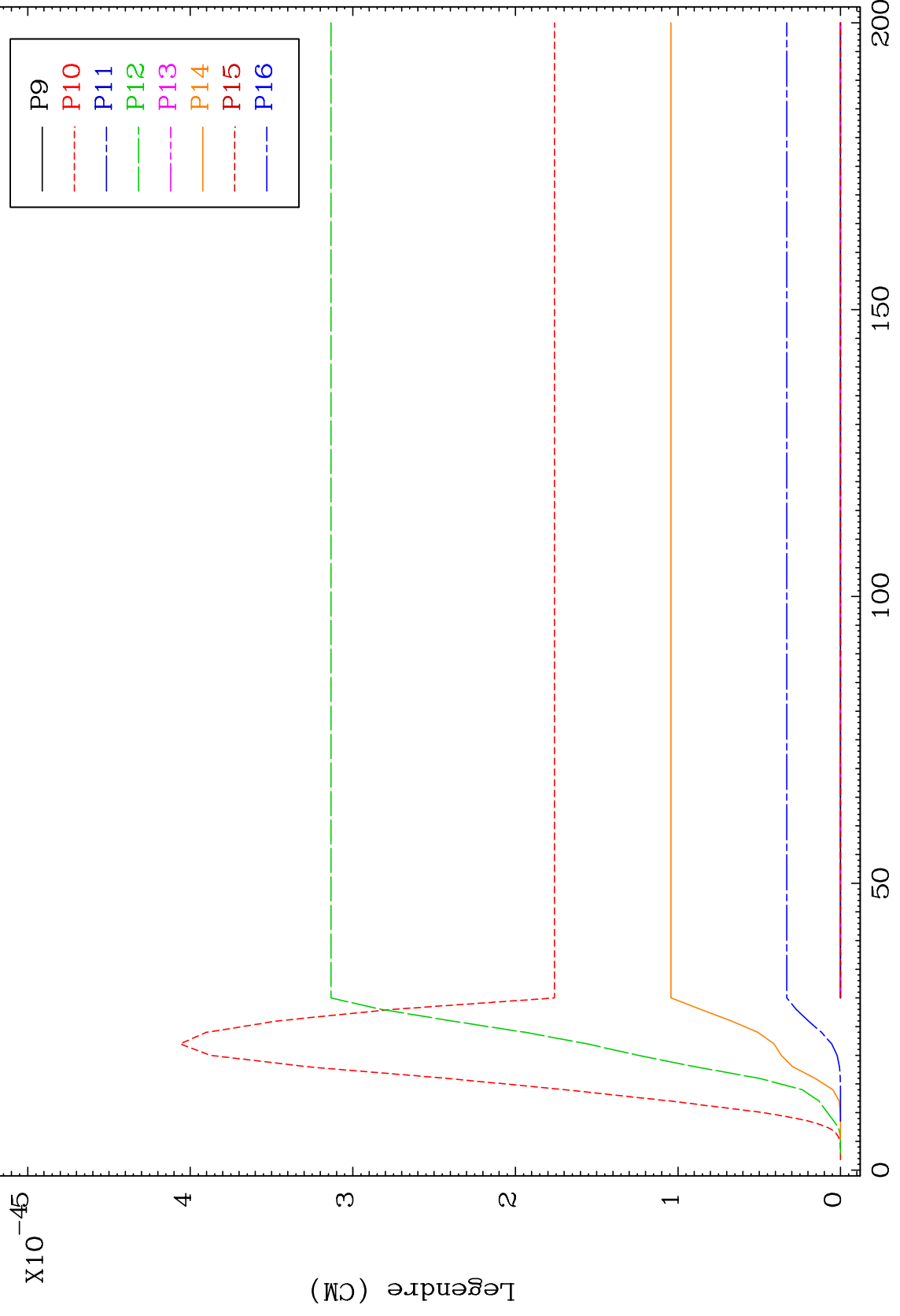




MAT 4152

596.7 keV (n,n') Level
Legendre Coefficients

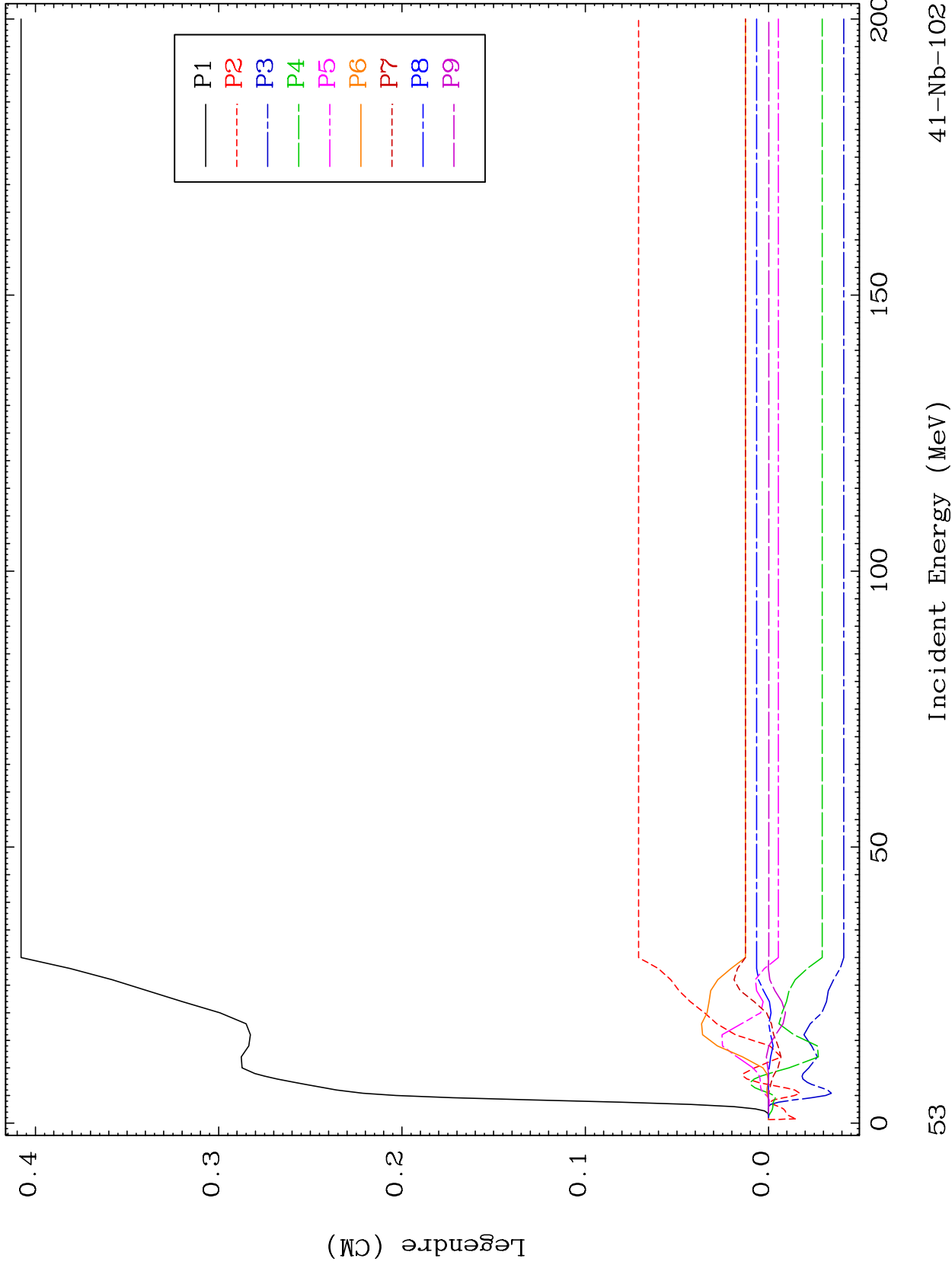
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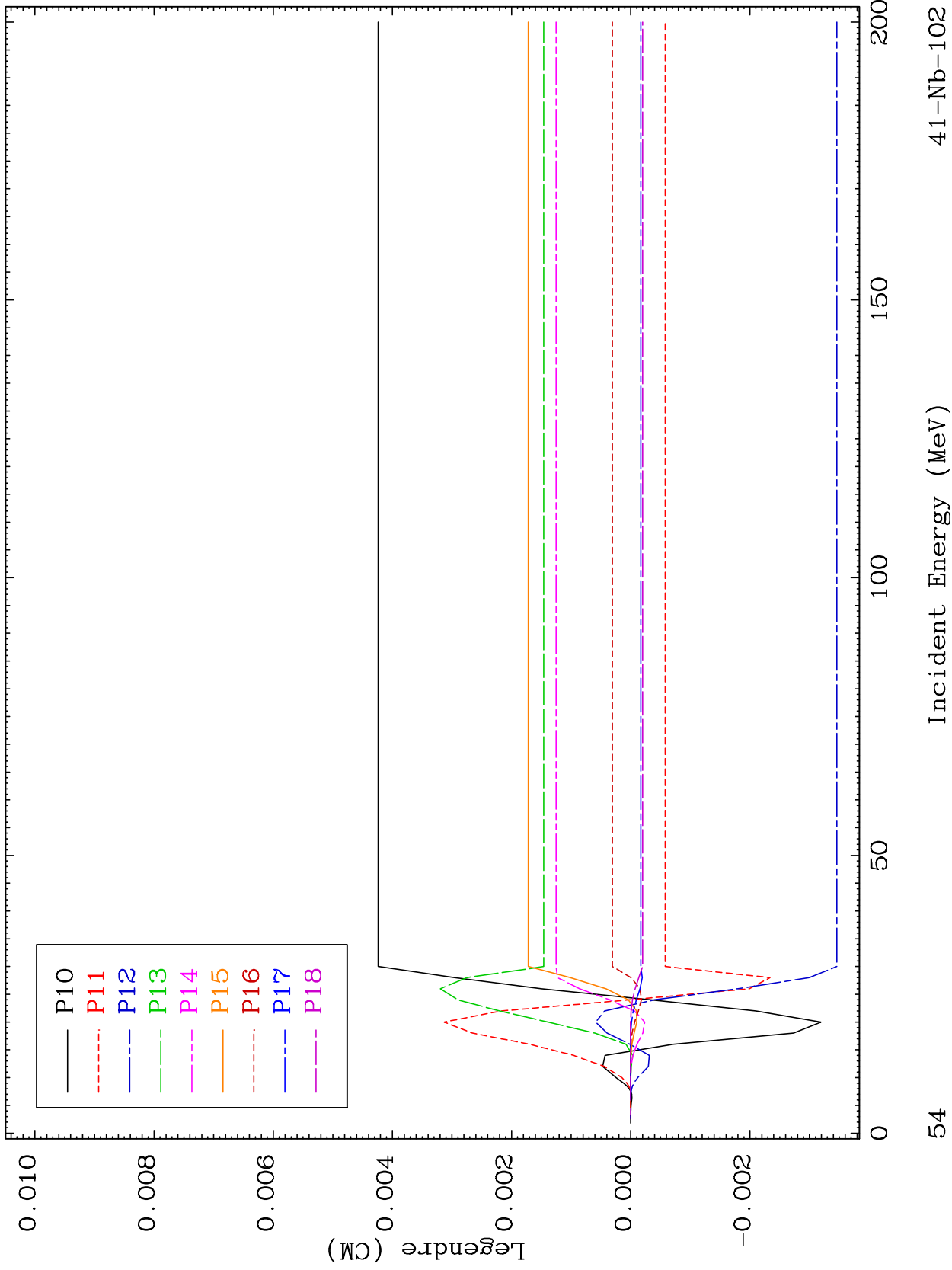


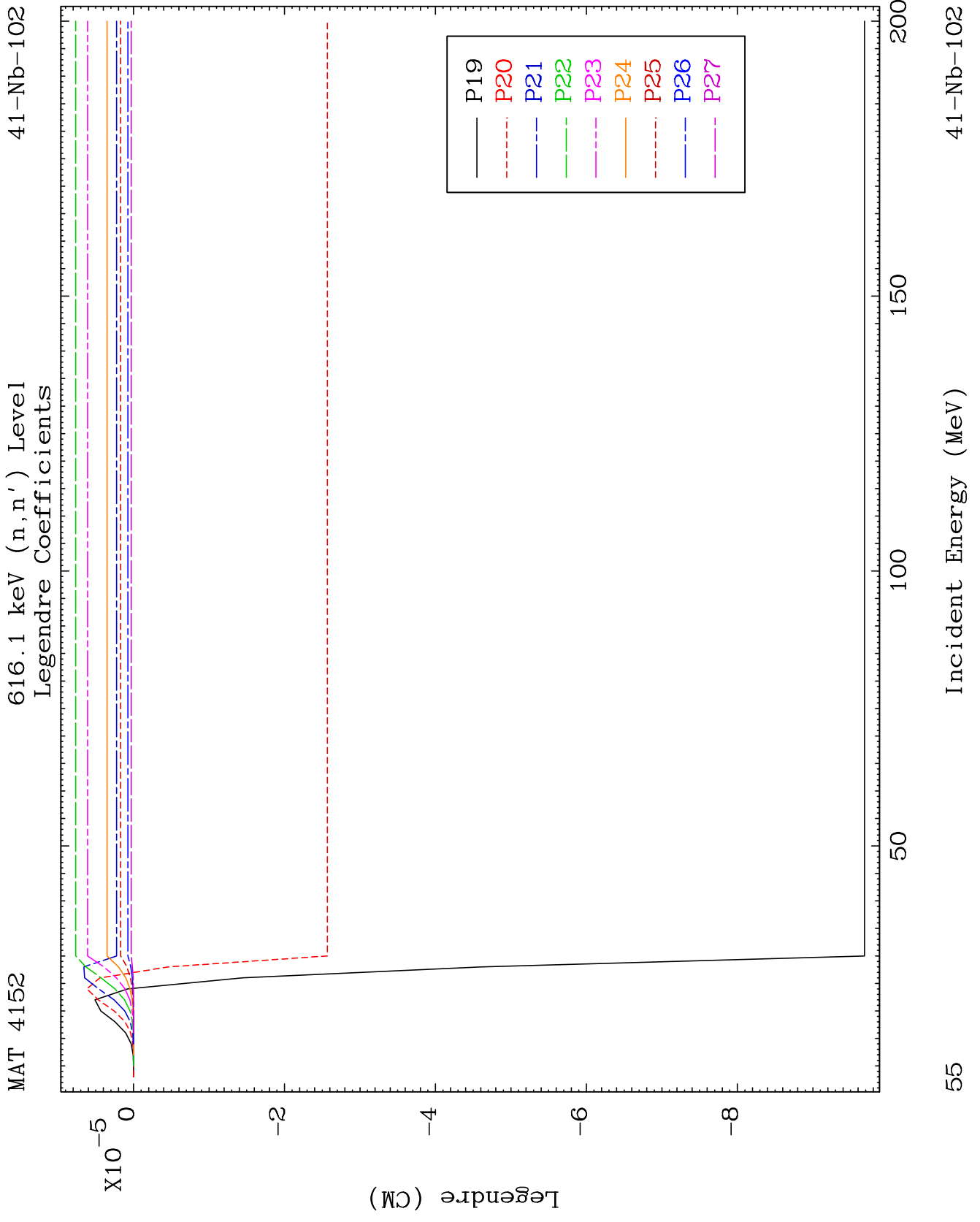
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Incident Energy (MeV)

41-Nb-102



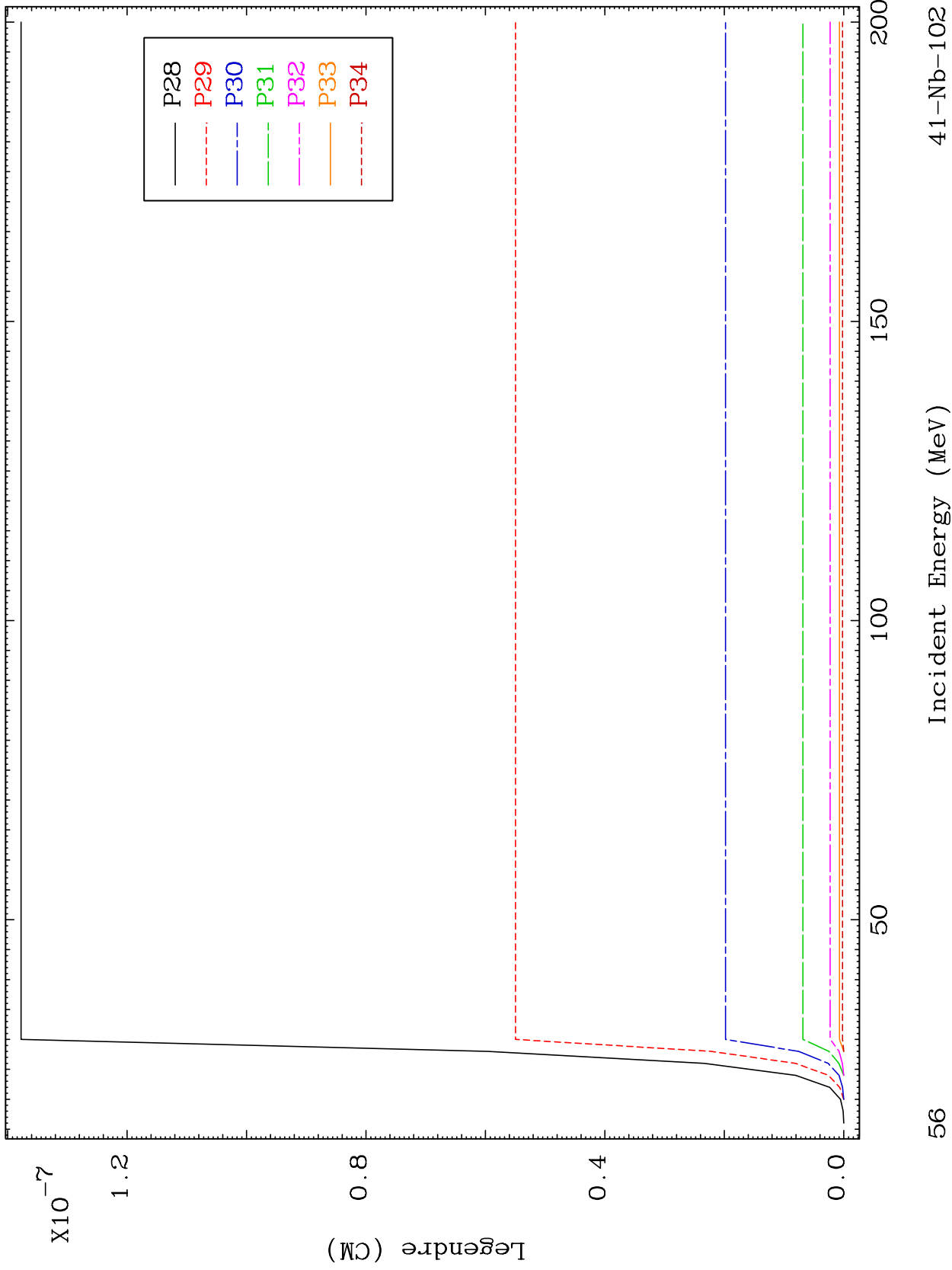




MAT 4152

616.1 keV (n,n') Level
Legendre Coefficients

41-Nb-102



56

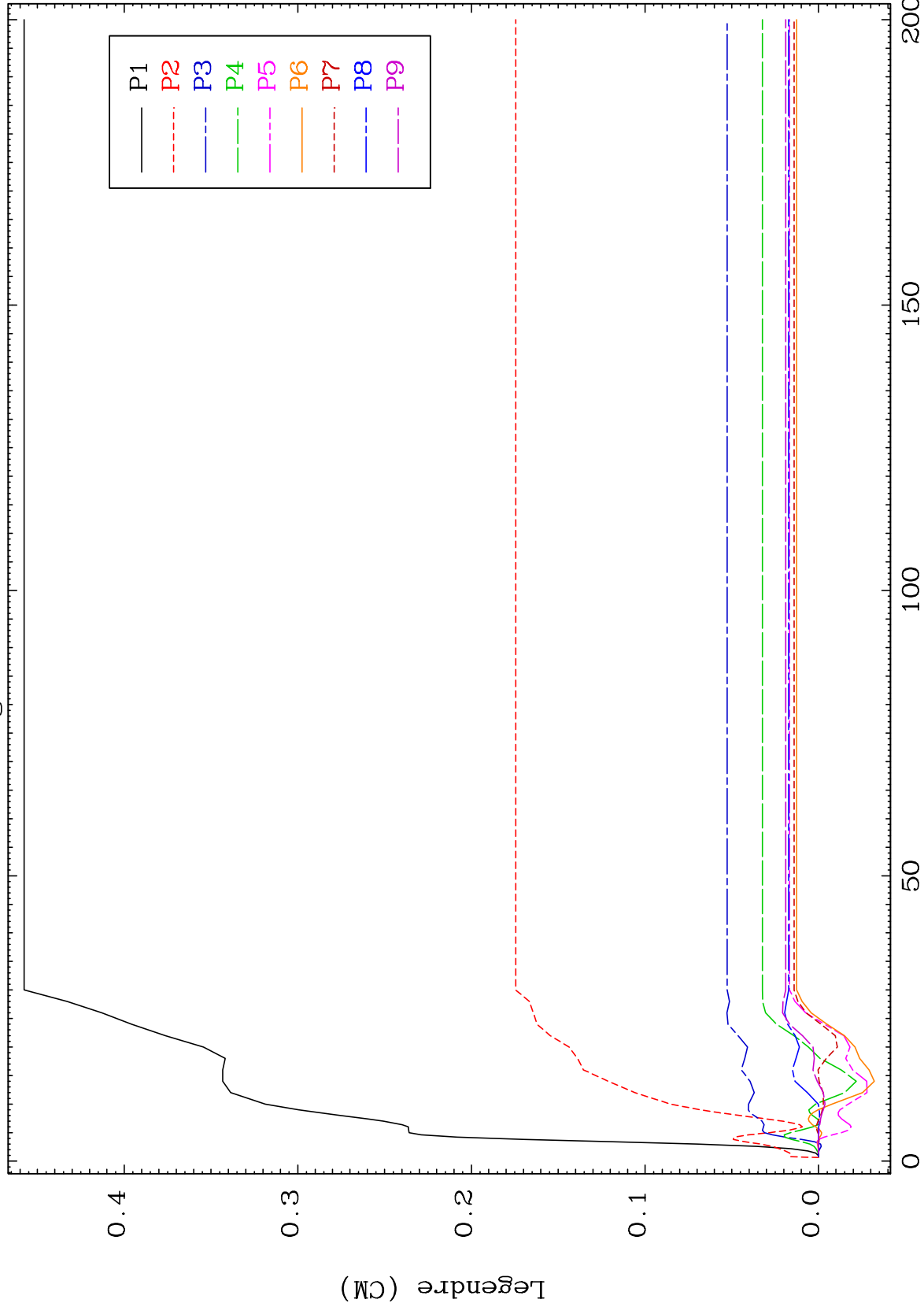
Incident Energy (MeV)

41-Nb-102

MAT 4152

625.2 keV (n, n') Level
Legendre Coefficients

41-Nb-102



57

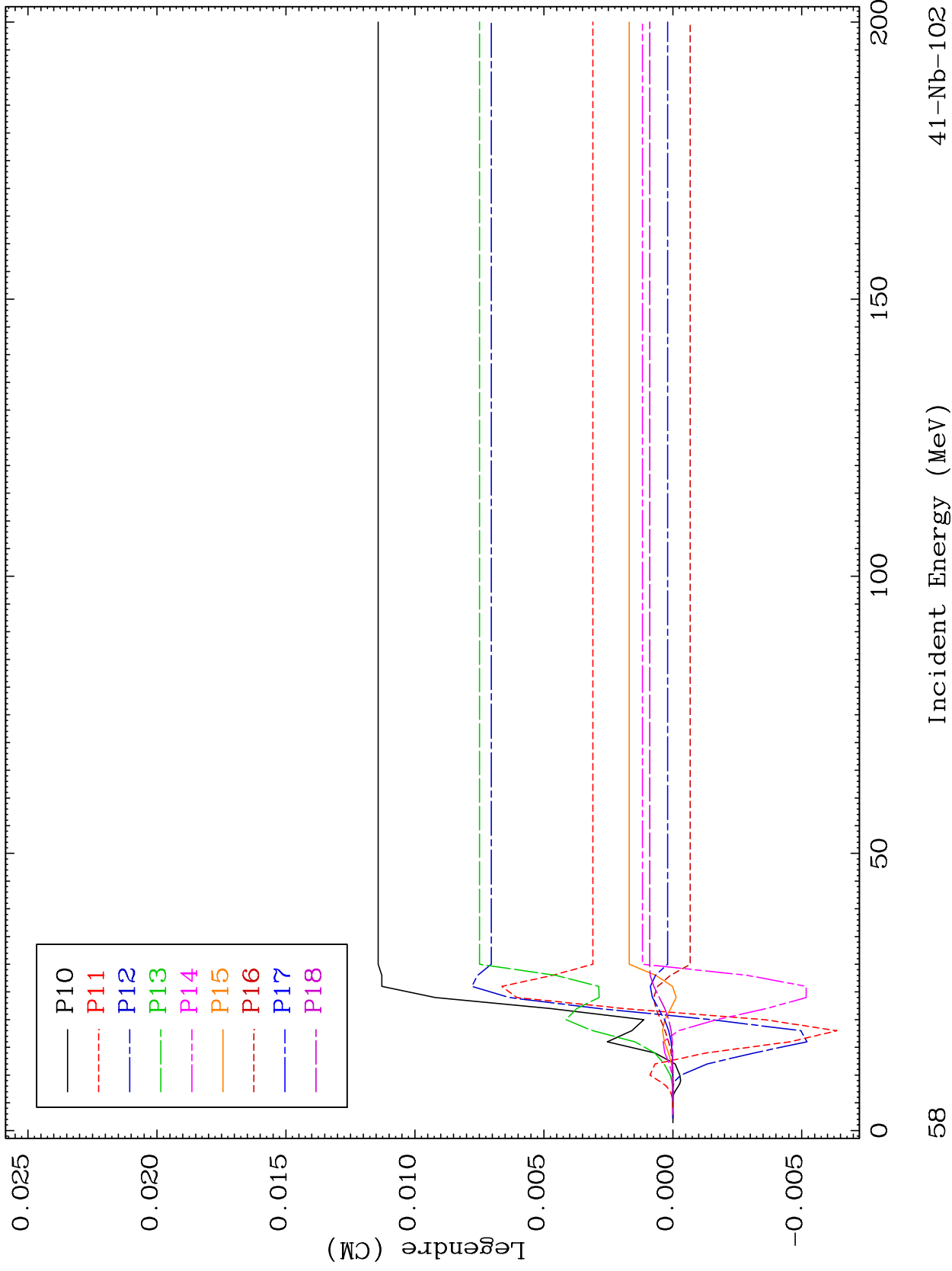
Incident Energy (MeV)

41-Nb-102

MAT 4152

625.2 keV (n,n') Level
Legendre Coefficients

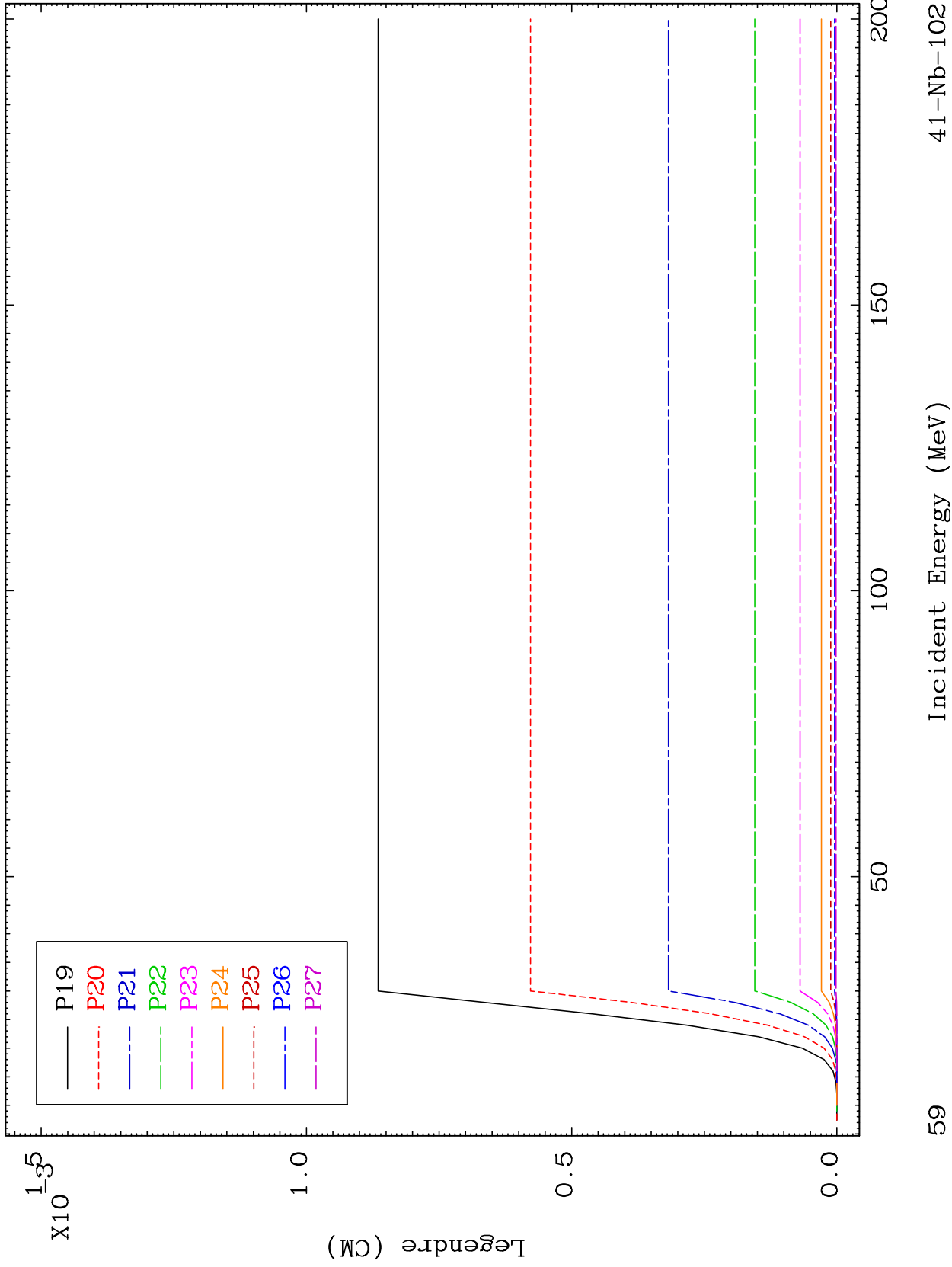
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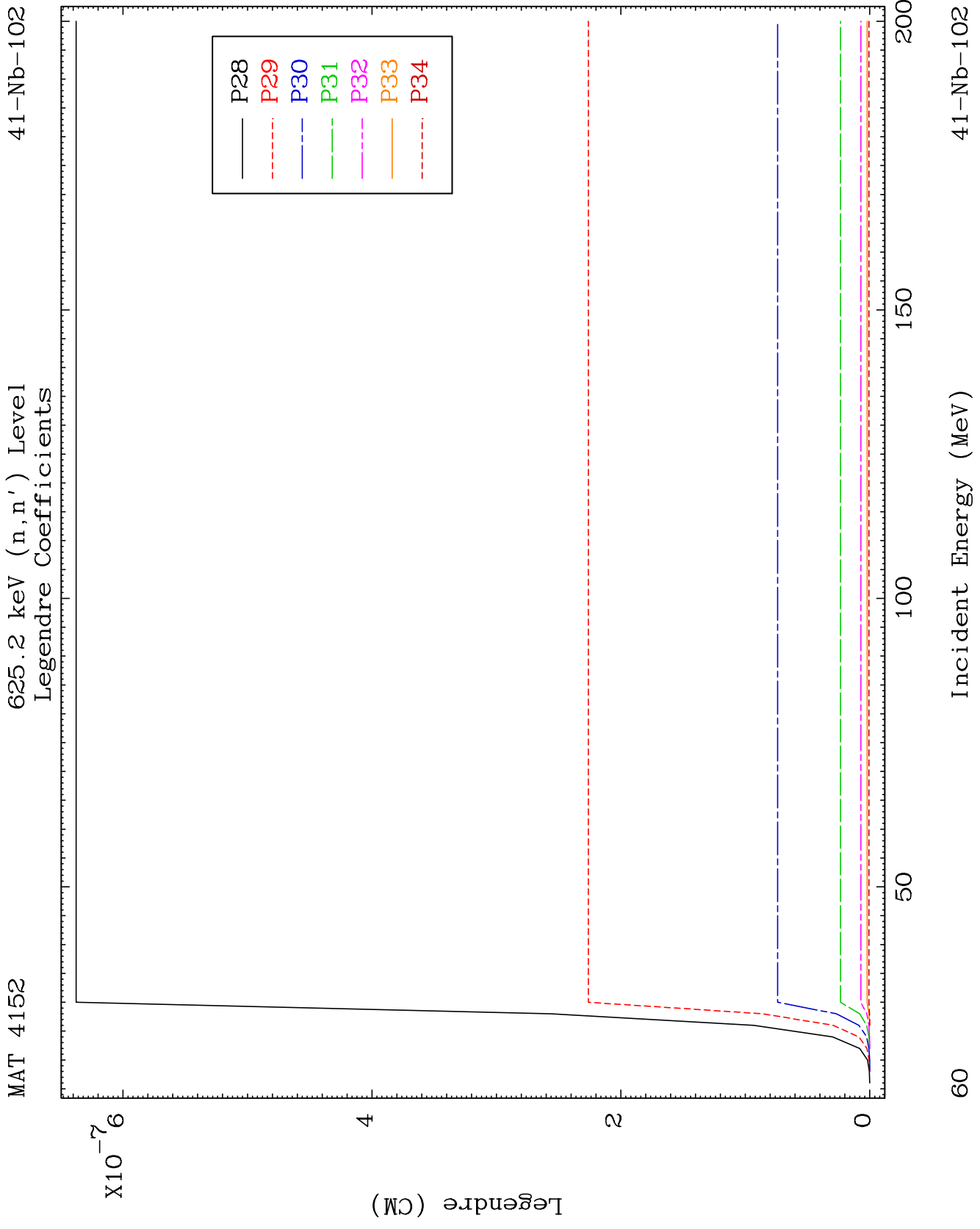


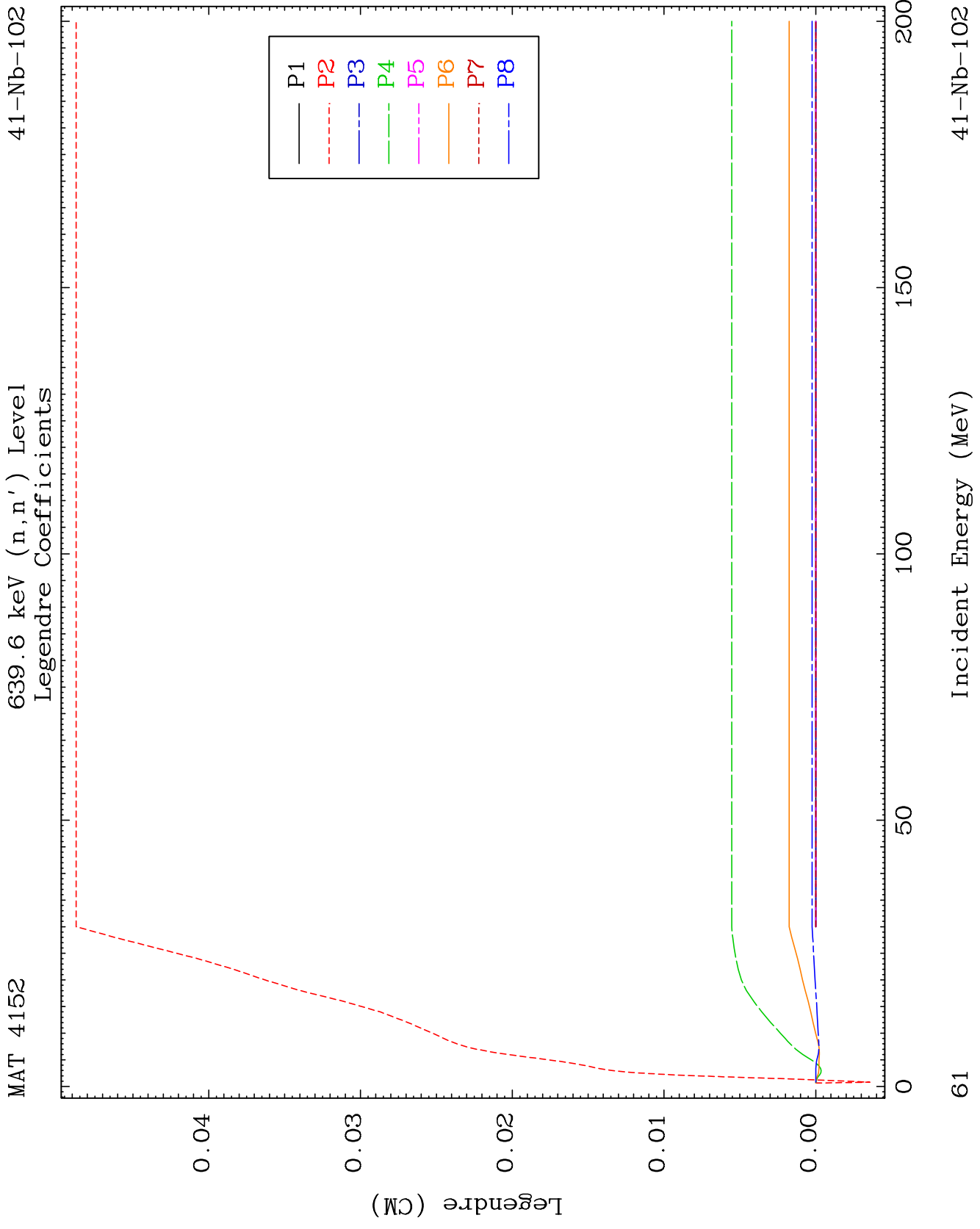
58

Incident Energy (MeV)

41-Nb-102



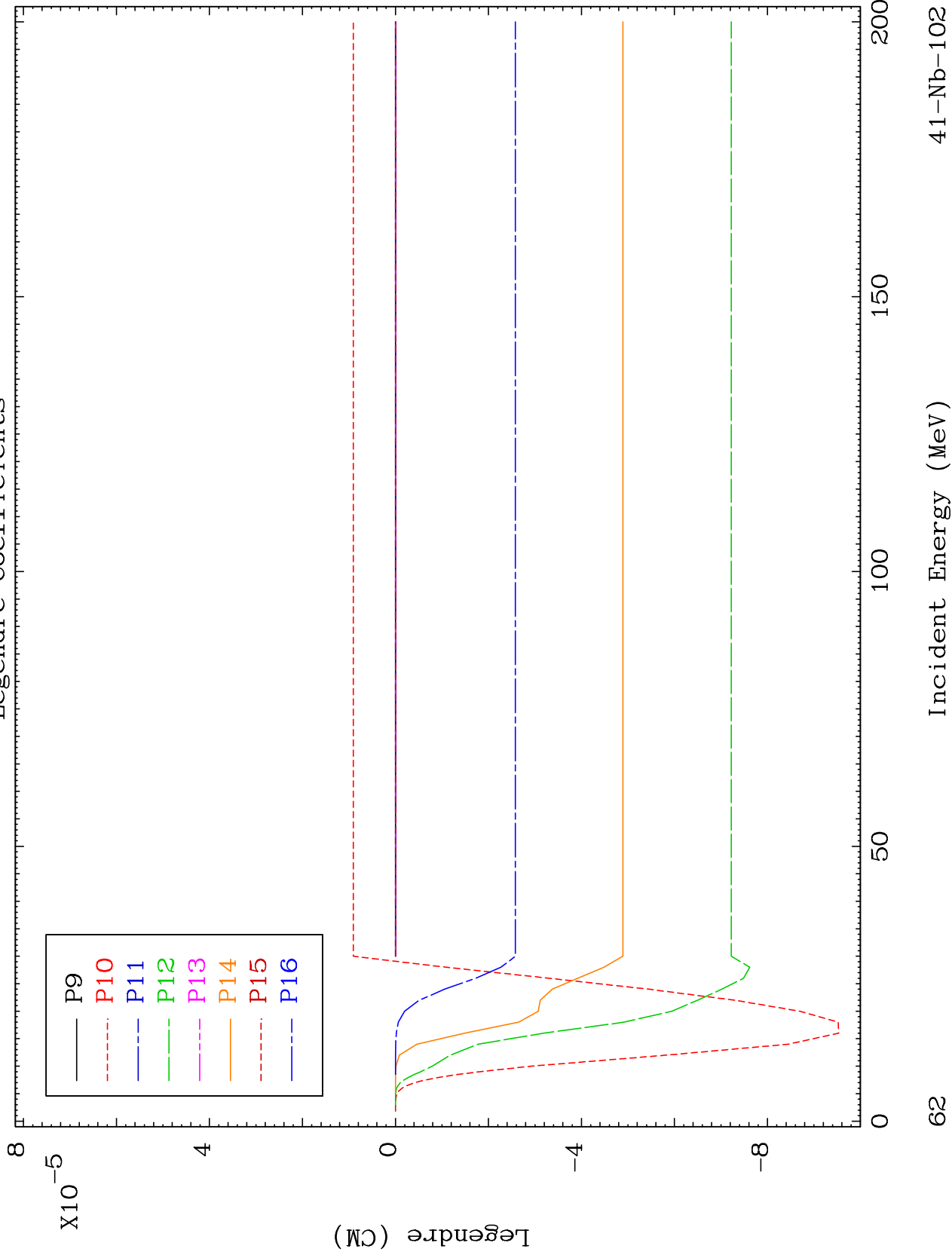




MAT 4152

639.6 keV (n,n') Level
Legendre Coefficients

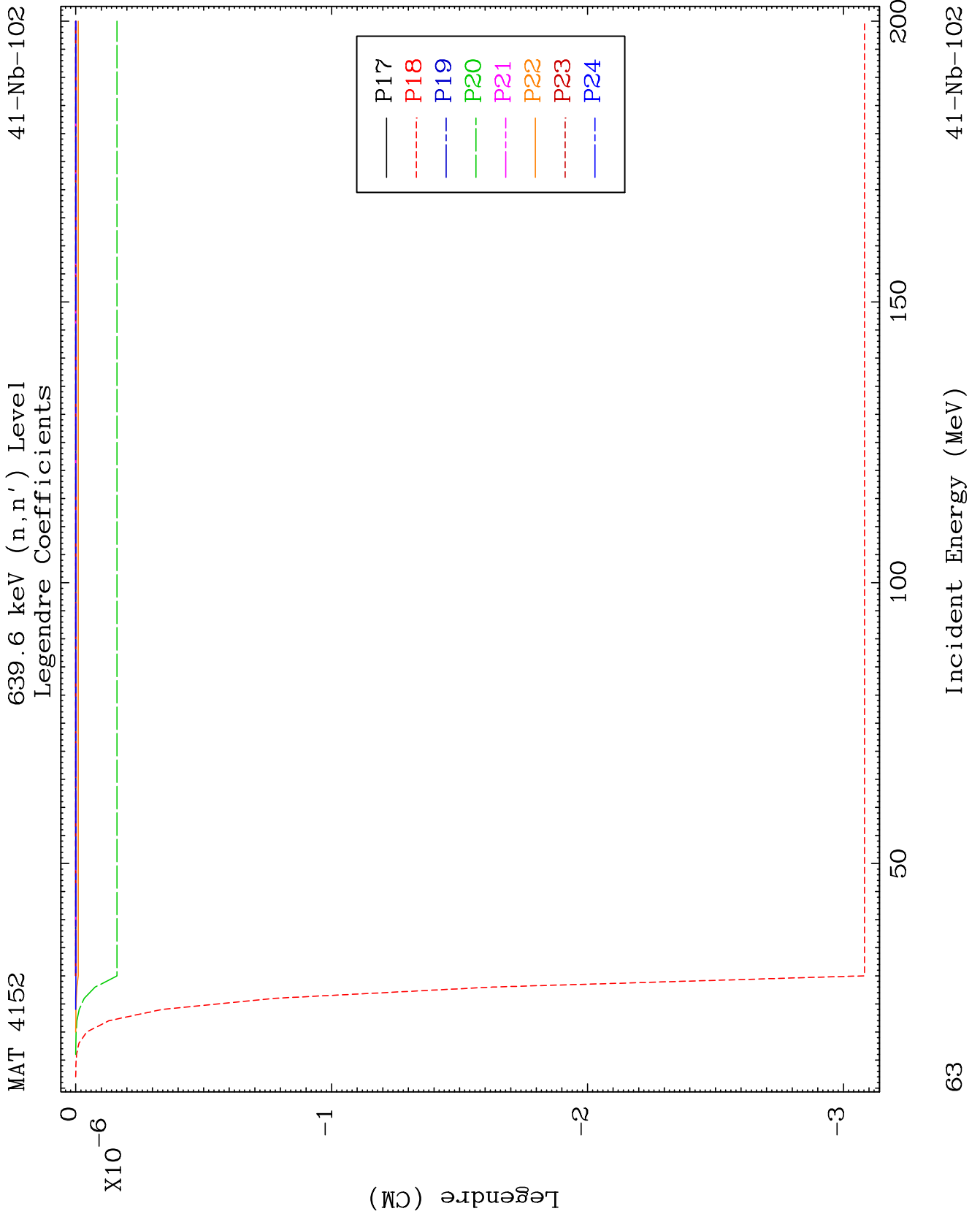
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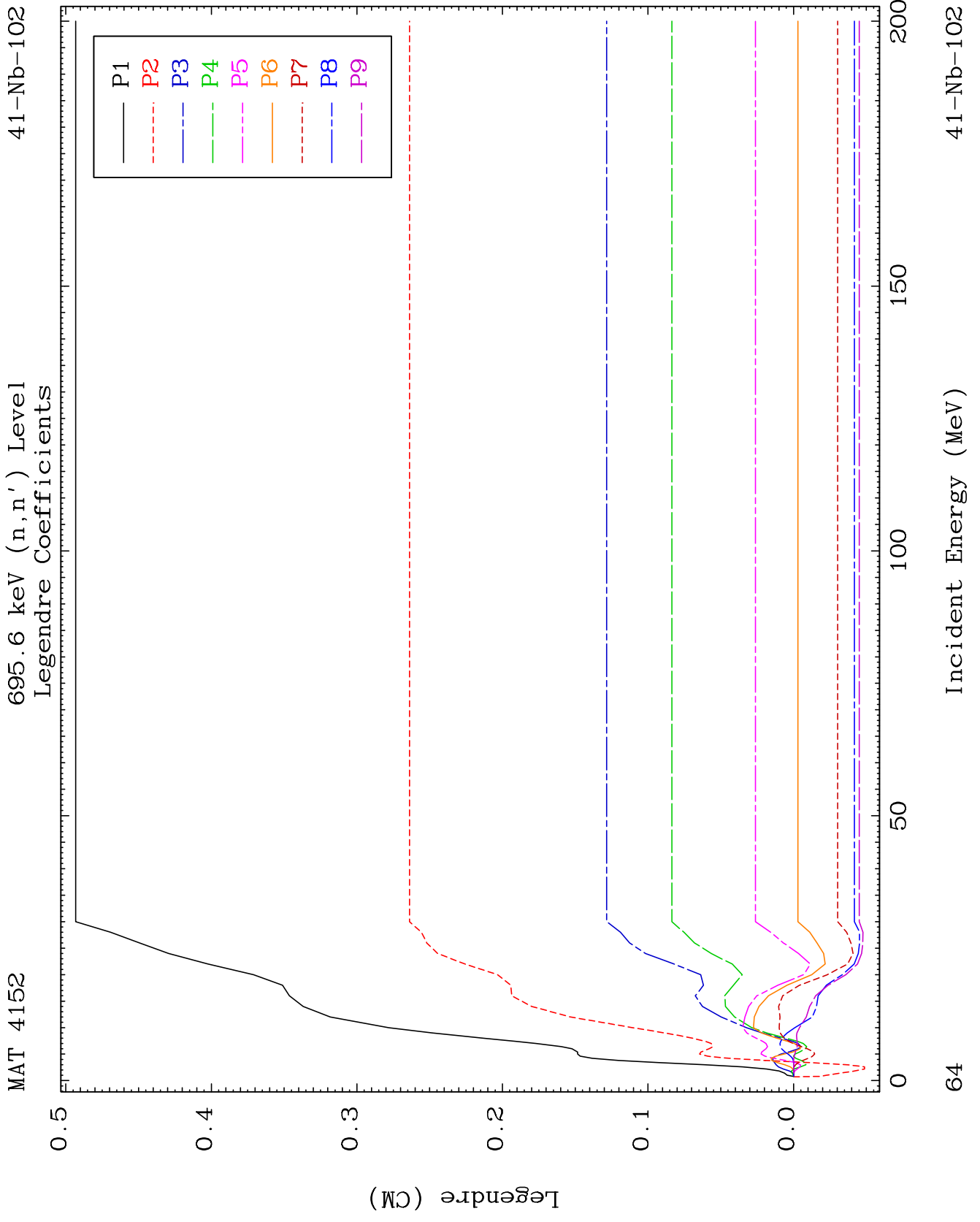


62

Incident Energy (MeV)

41-Nb-102

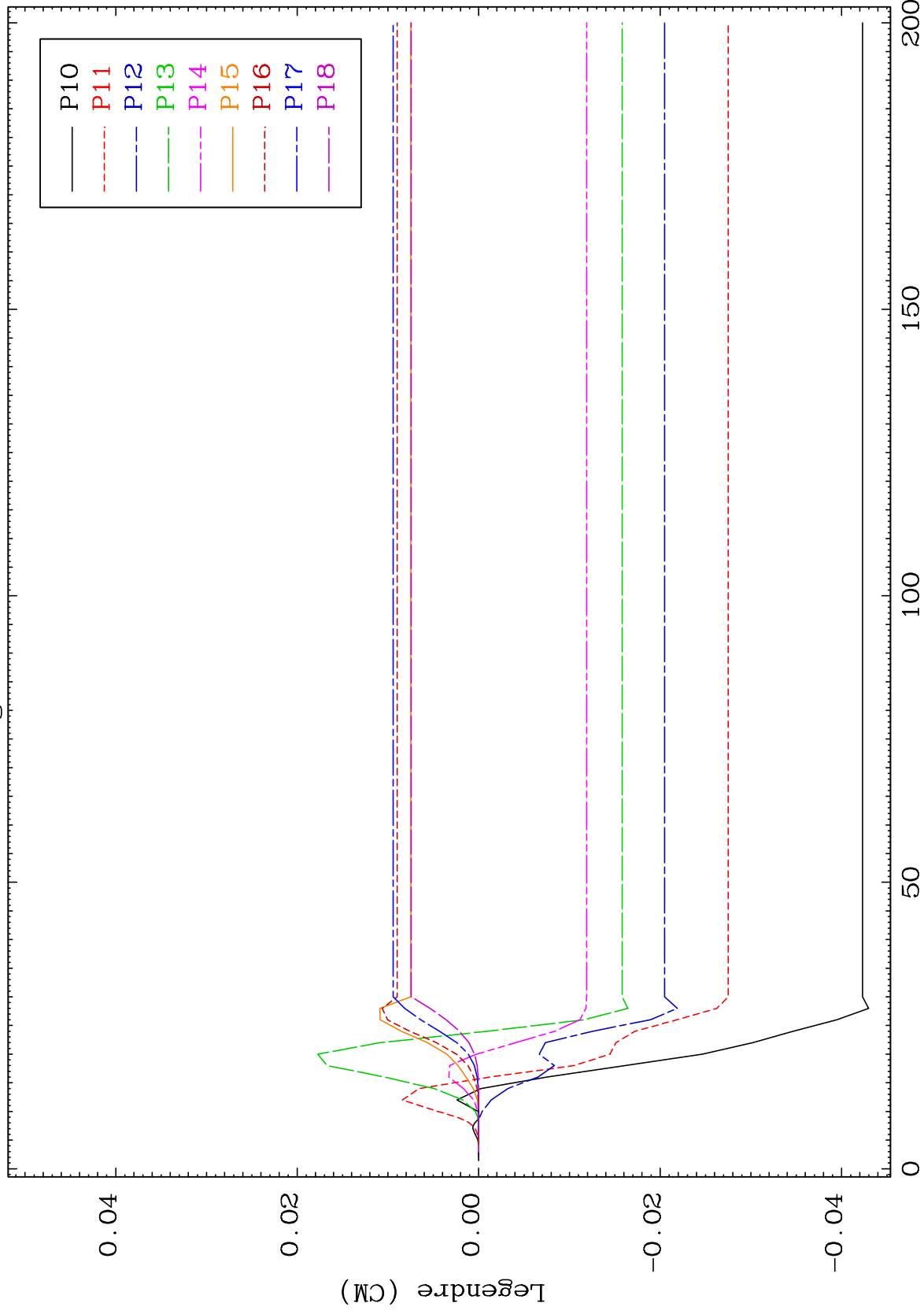




MAT 4152

695.6 keV (n,n') Level
Legendre Coefficients

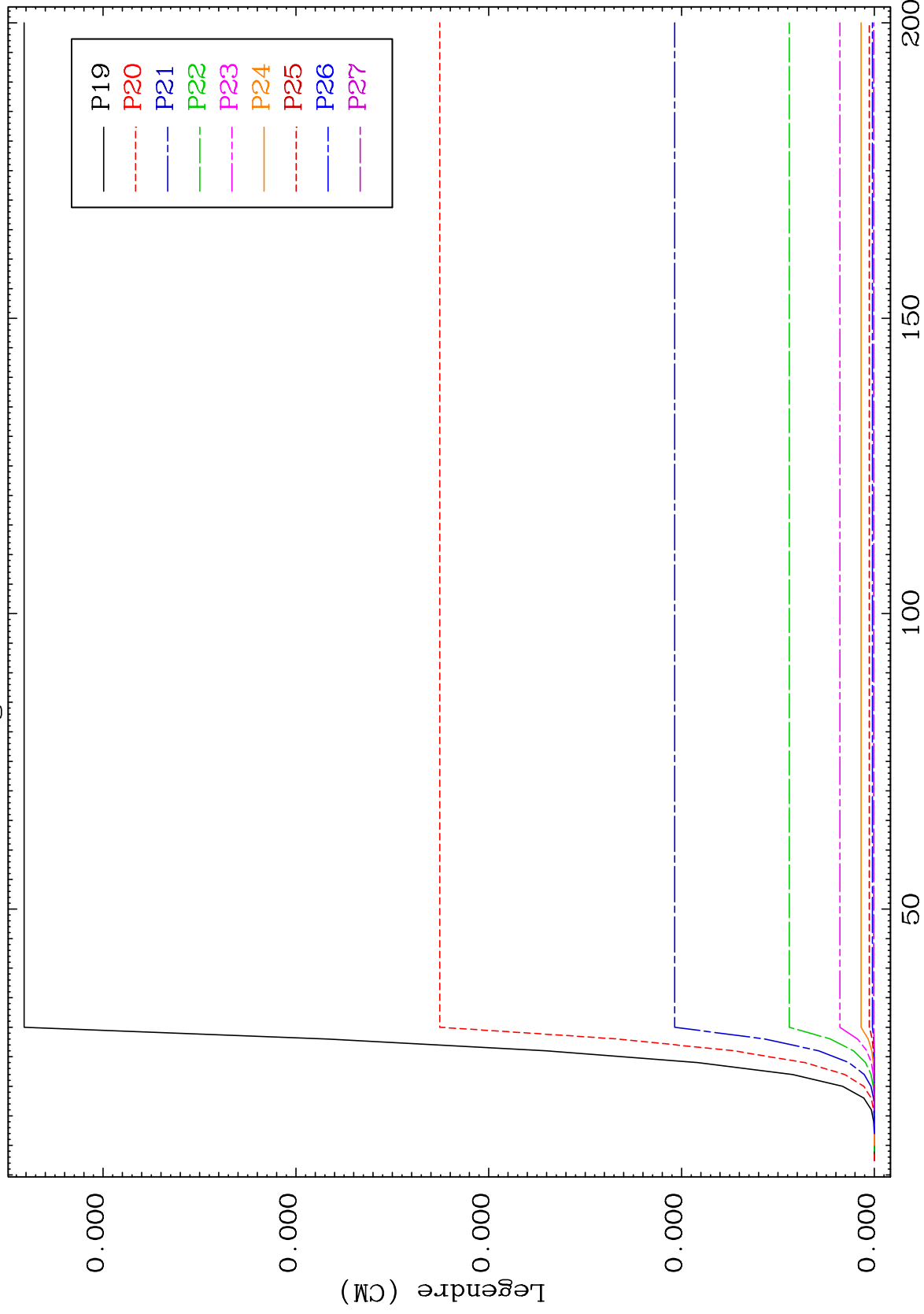
41-Nb-102



65

Incident Energy (MeV)

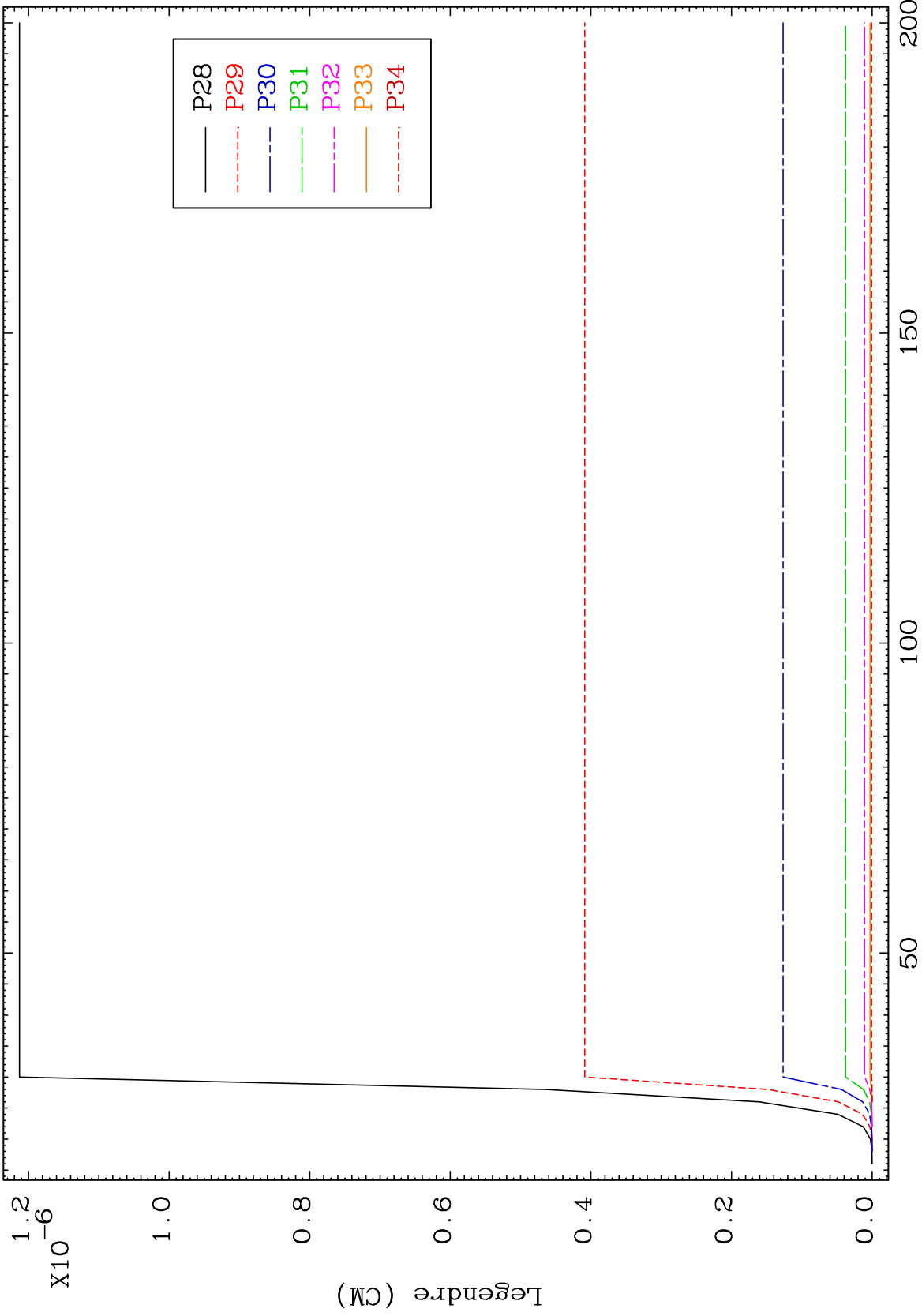
41-Nb-102



MAT 4152

695.6 keV (n,n') Level
Legendre Coefficients

41-Nb-102



67

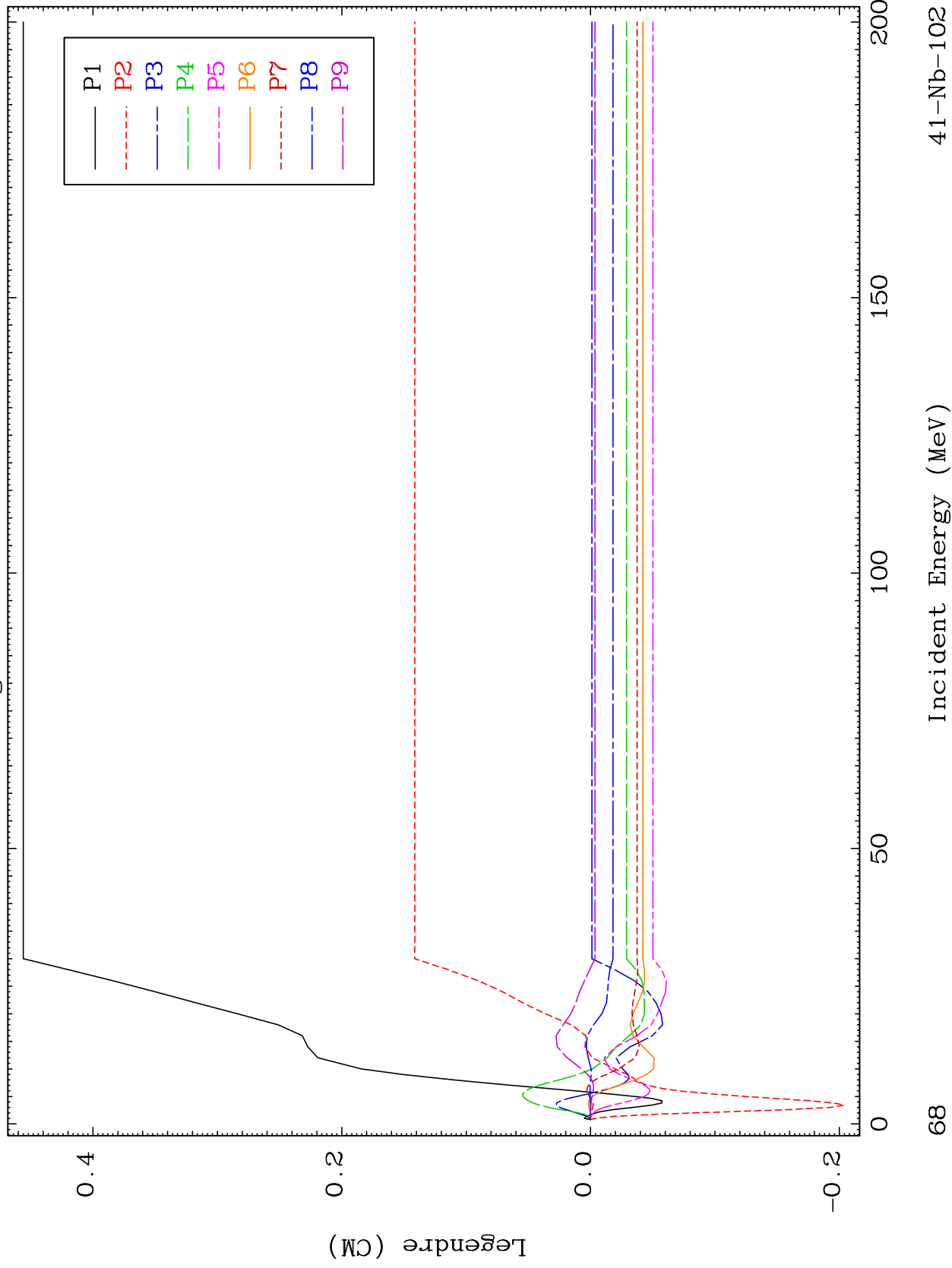
Incident Energy (MeV)

41-Nb-102

MAT 4152

697.2 keV (n,n') Level
Legendre Coefficients

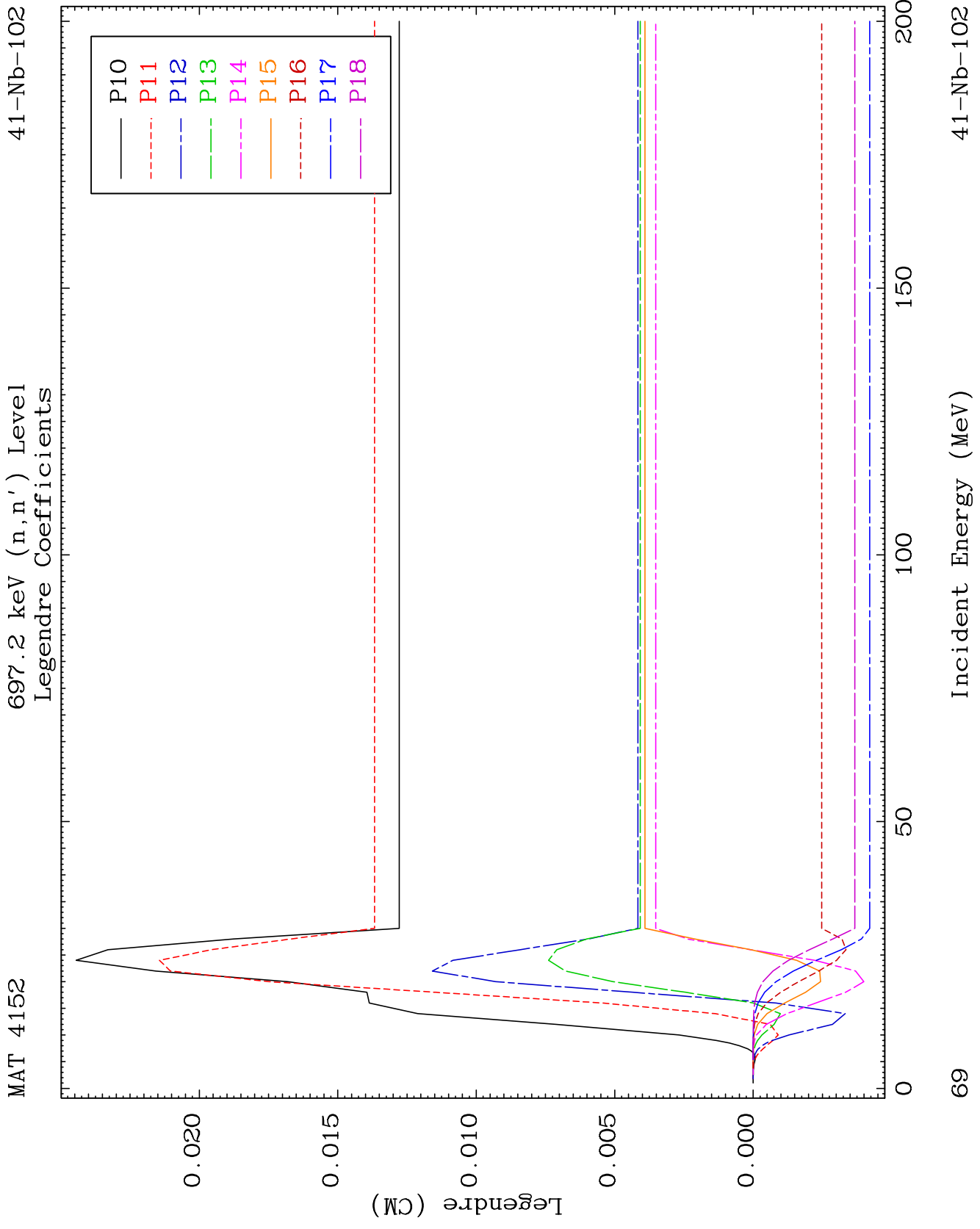
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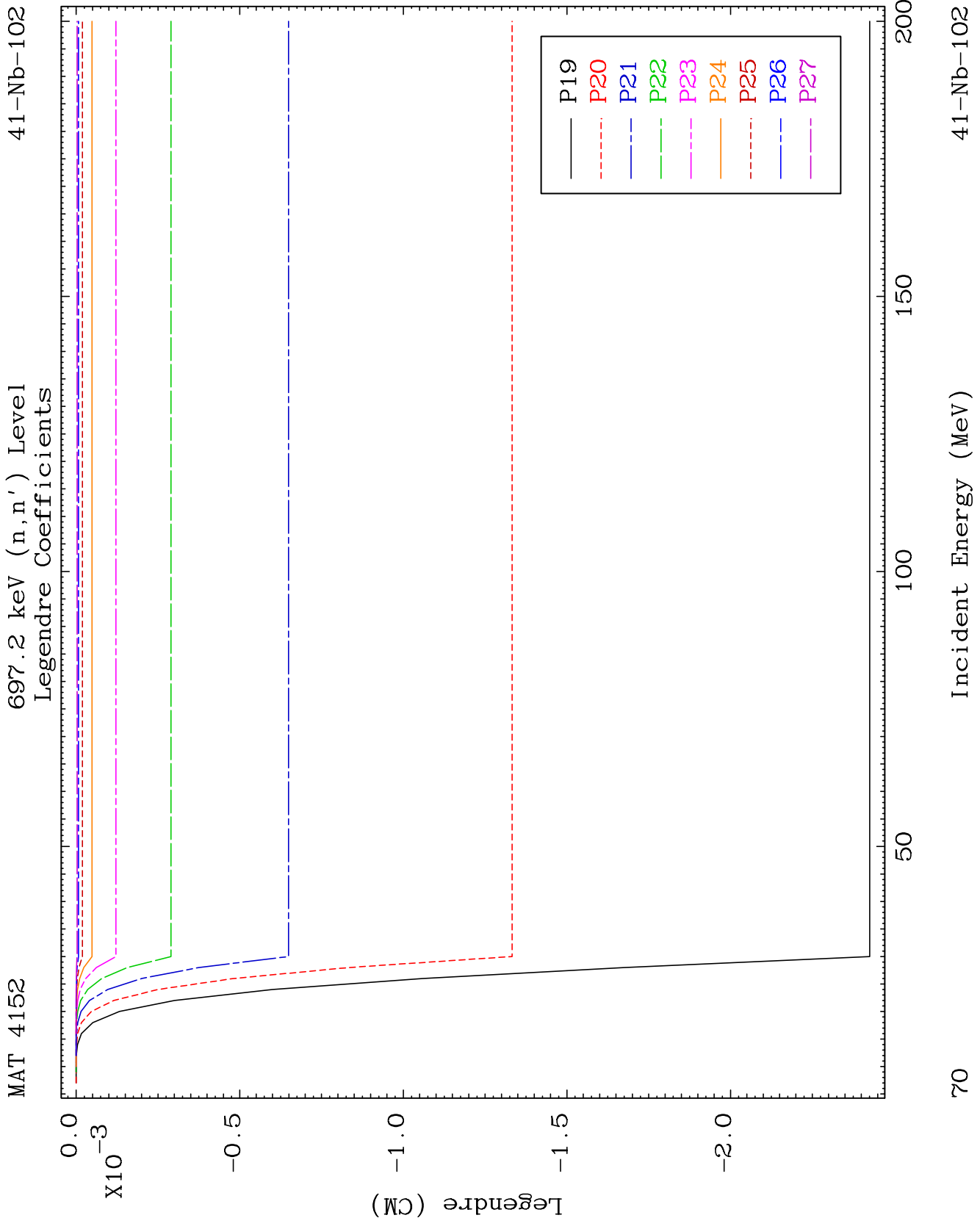


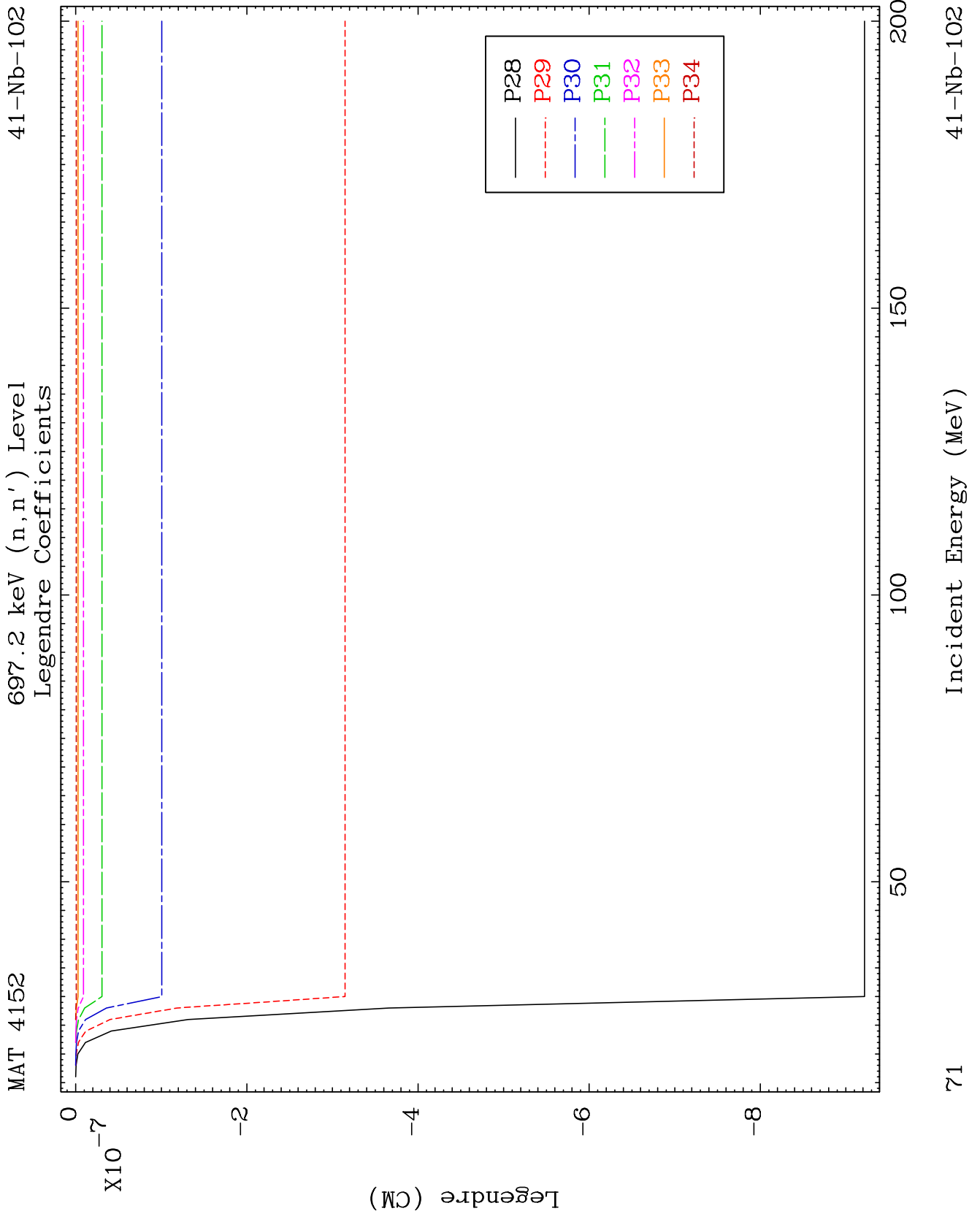
41-Nb-102

Incident Energy (MeV)

68



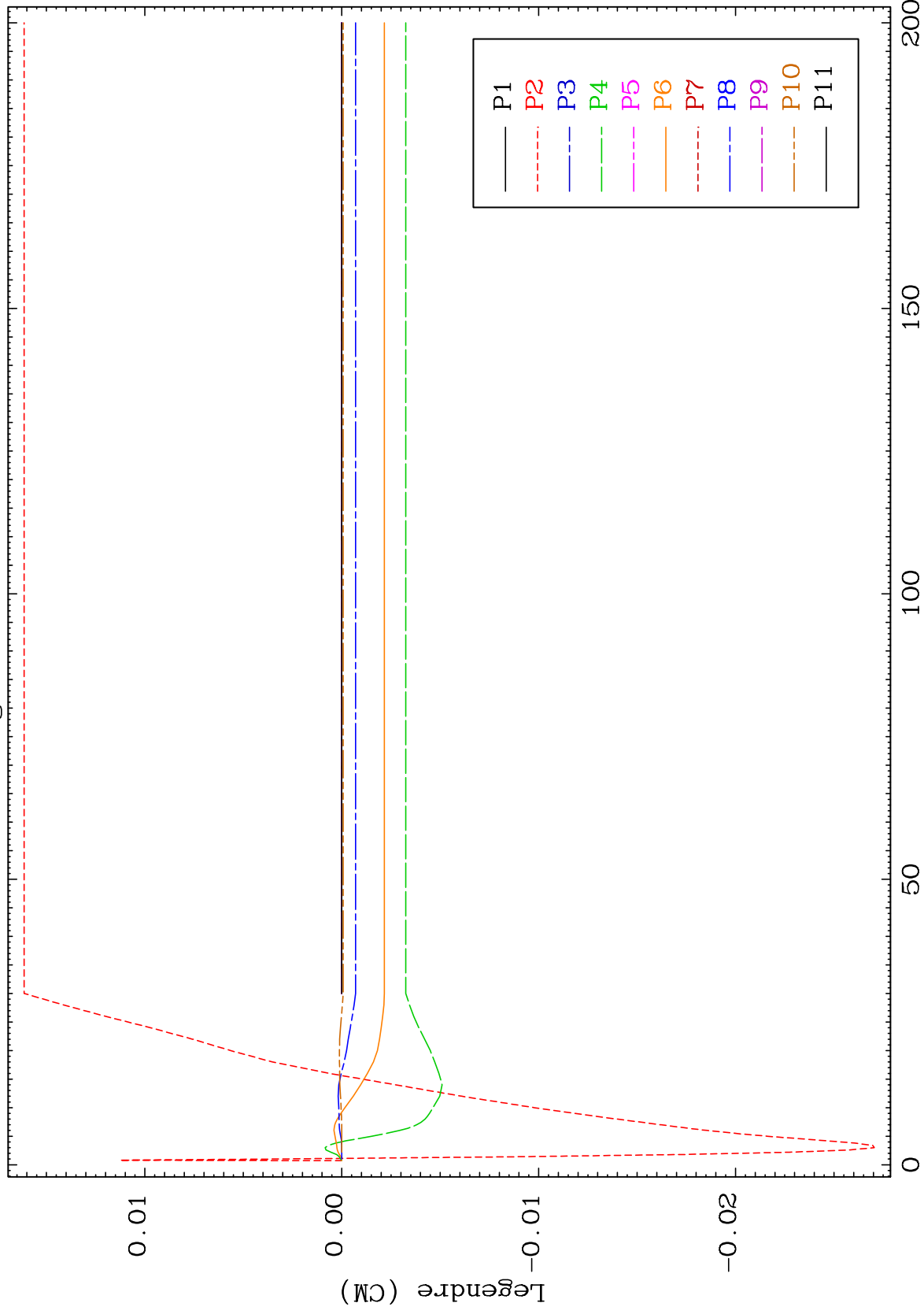




MAT 4152

702.6 keV (n,n') Level
Legendre Coefficients

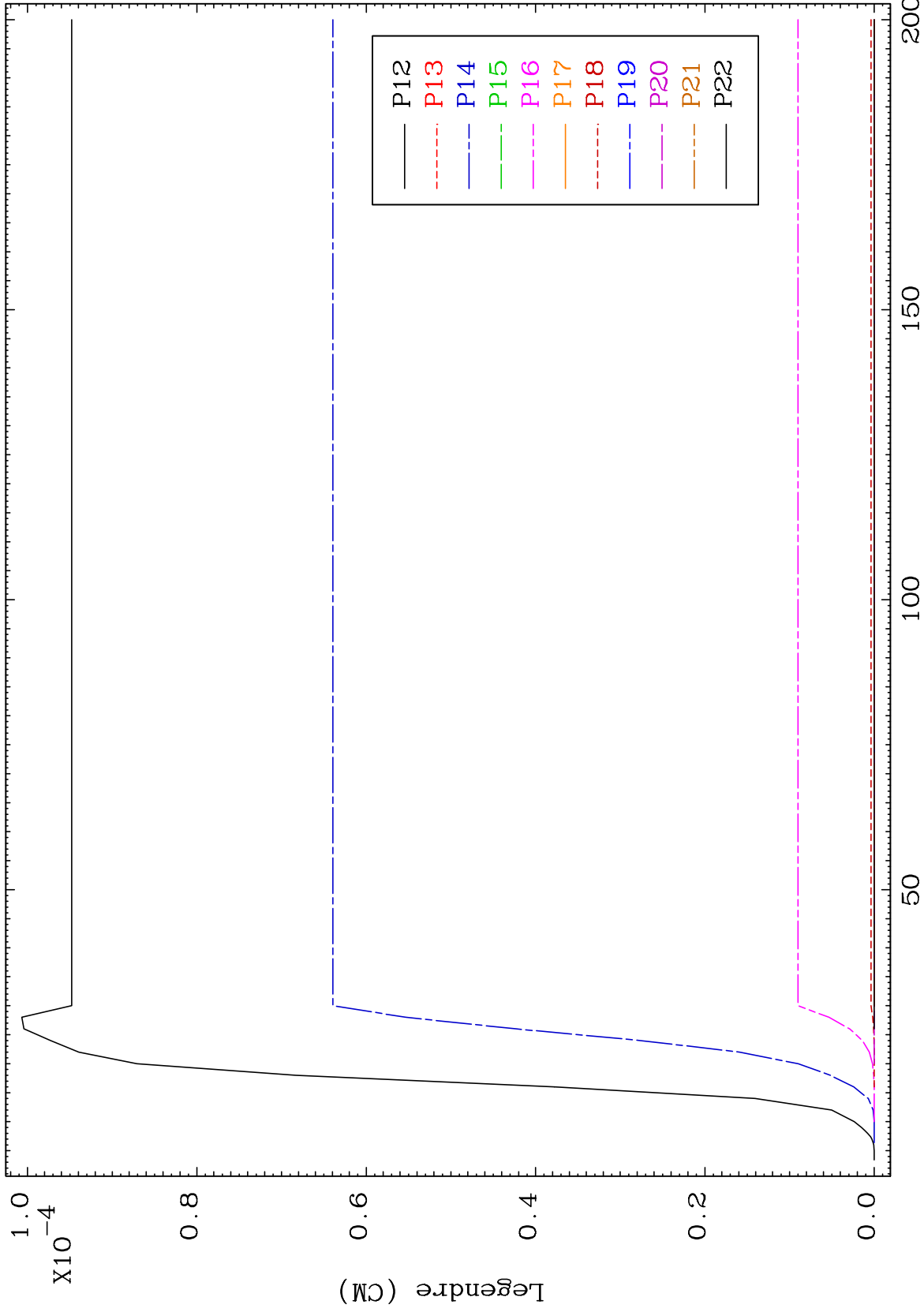
41-Nb-102



72

Incident Energy (MeV)

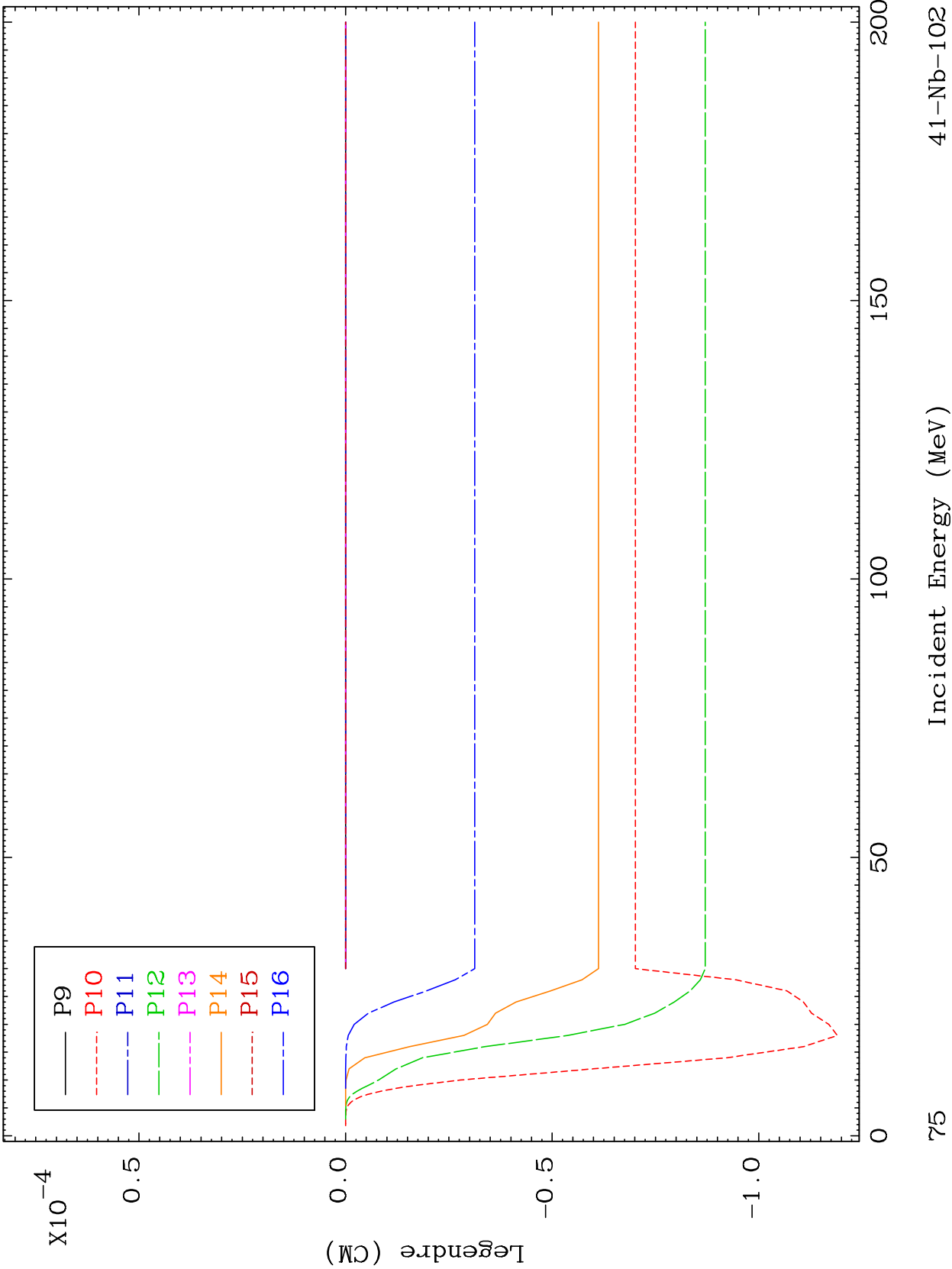
41-Nb-102



MAT 4152

716.2 keV (n, n') Level
Legendre Coefficients

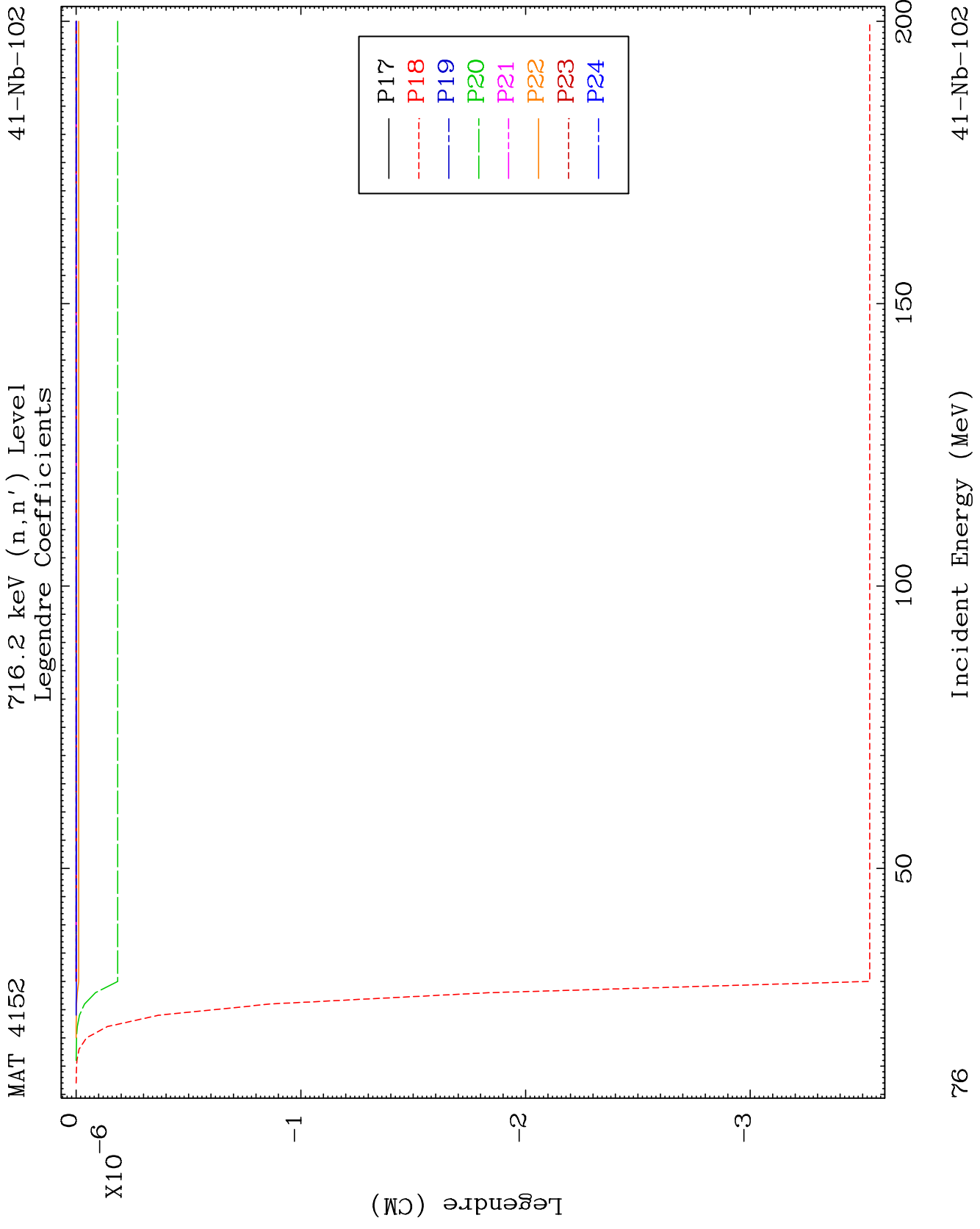
41-Nb-102



75

Incident Energy (MeV)

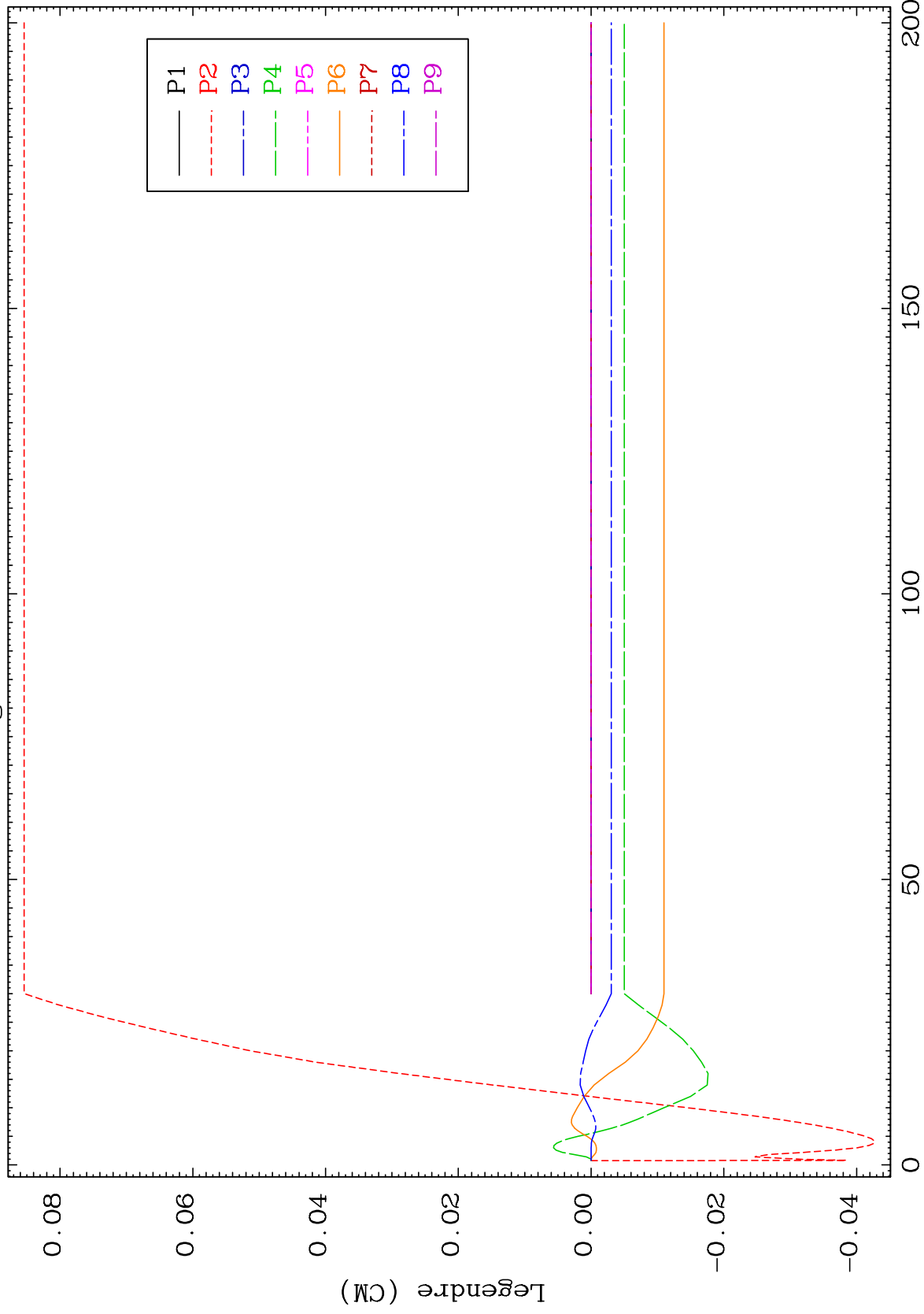
41-Nb-102



MAT 4152

730.7 keV (n,n') Level
Legendre Coefficients

41-Nb-102



77

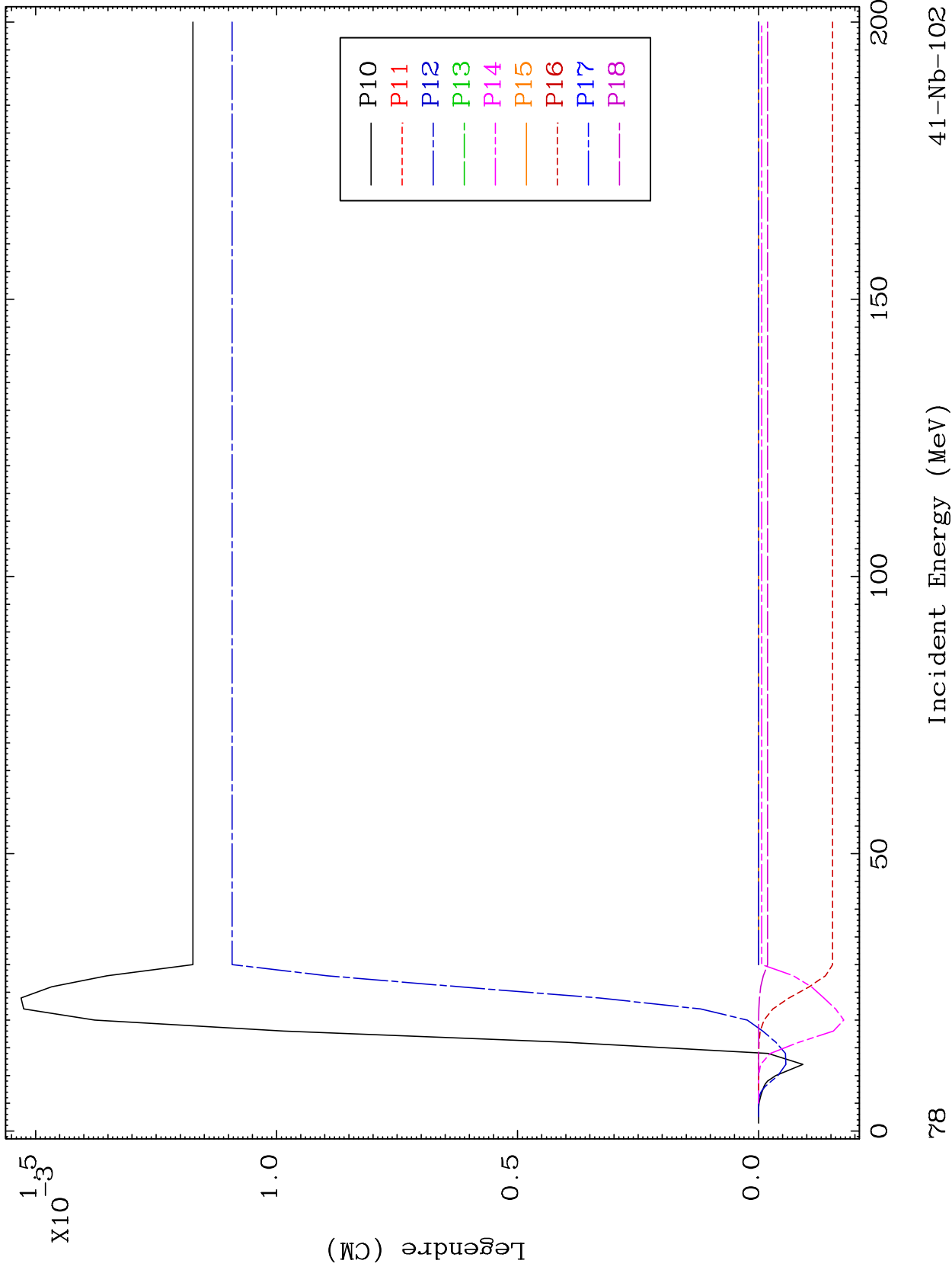
Incident Energy (MeV)

41-Nb-102

MAT 4152

730.7 keV (n,n') Level
Legendre Coefficients

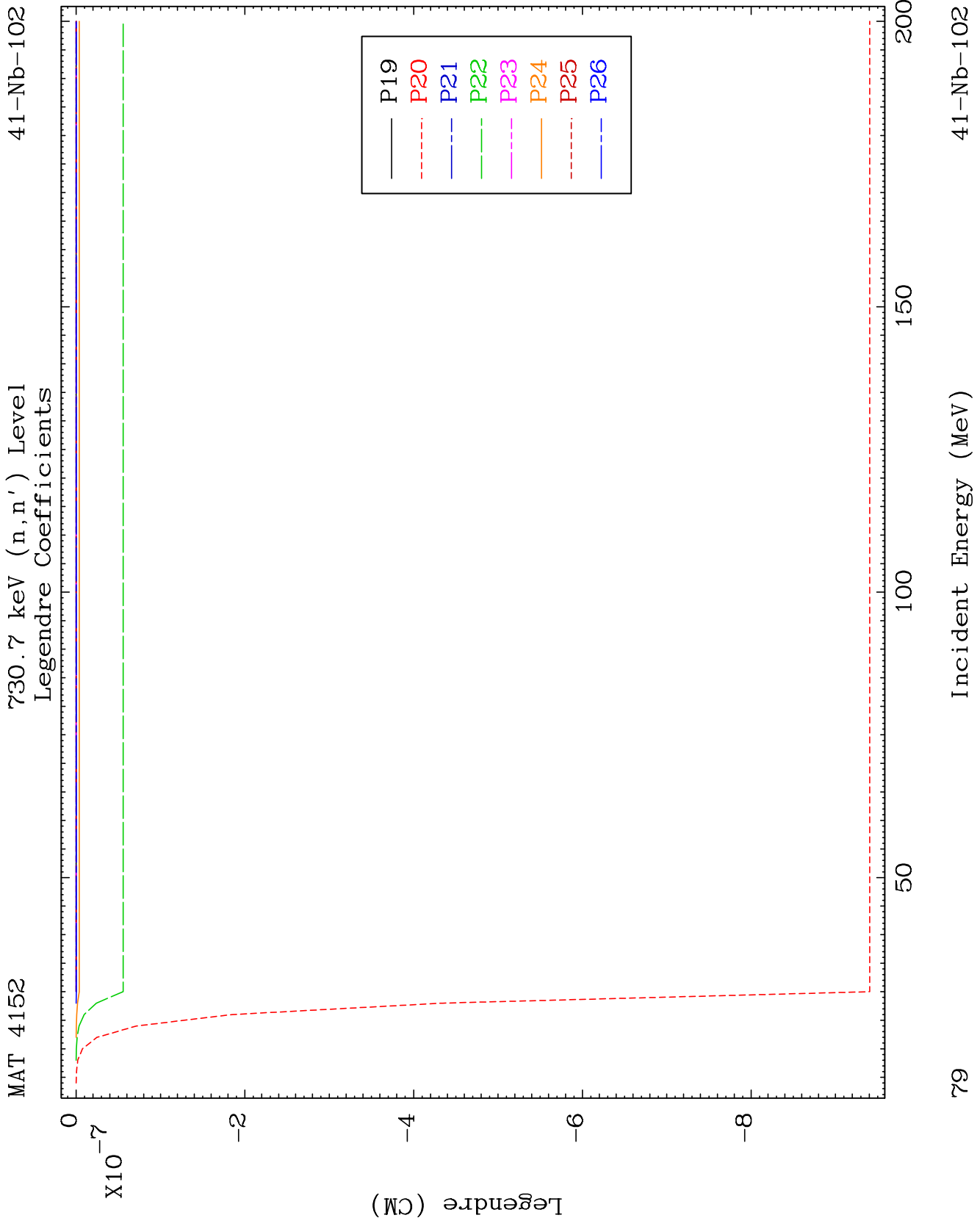
41-Nb-102



78

Incident Energy (MeV)

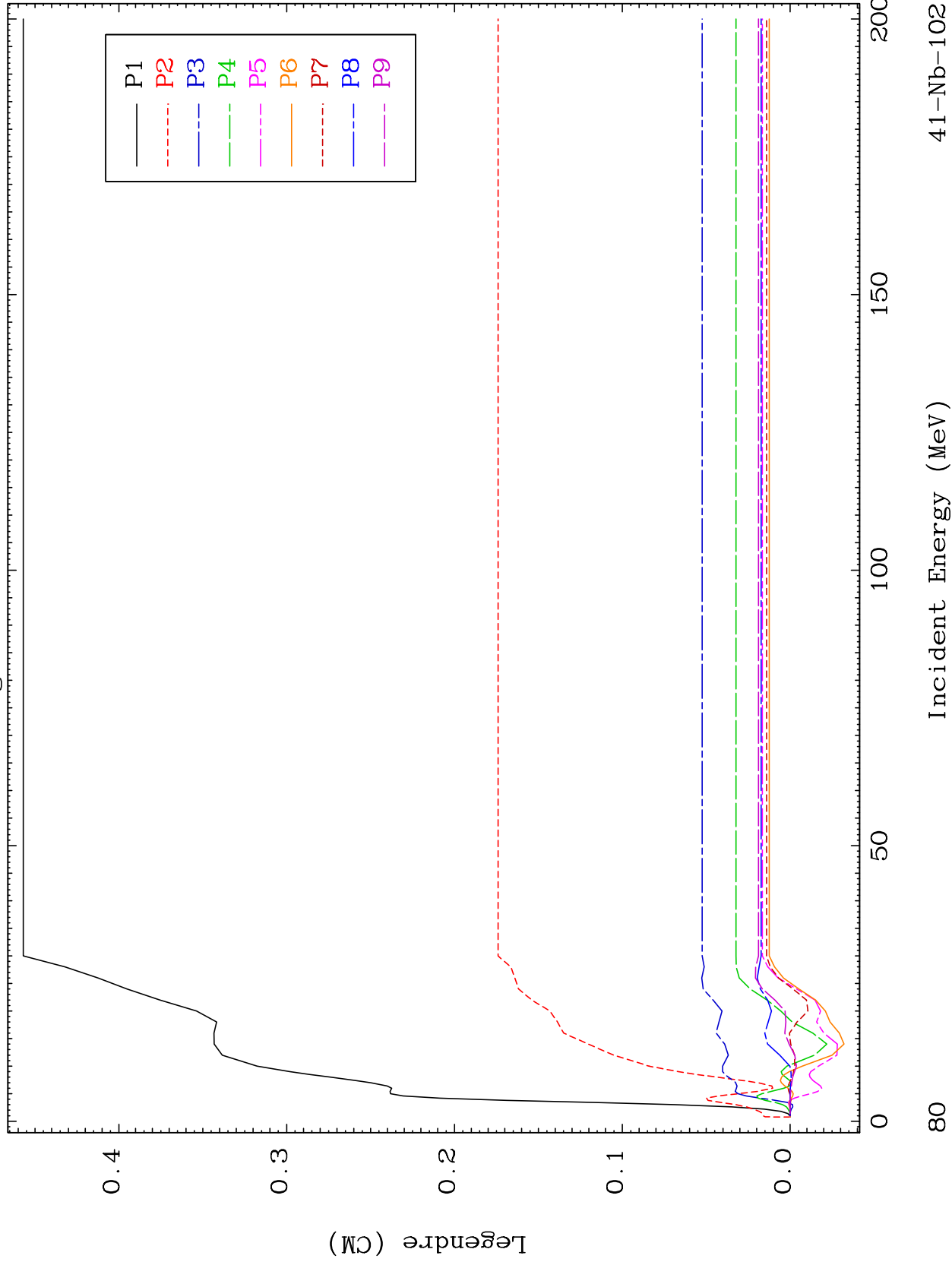
41-Nb-102



MAT 4152

748.5 keV (n,n') Level
Legendre Coefficients

41-Nb-102



41-Nb-102

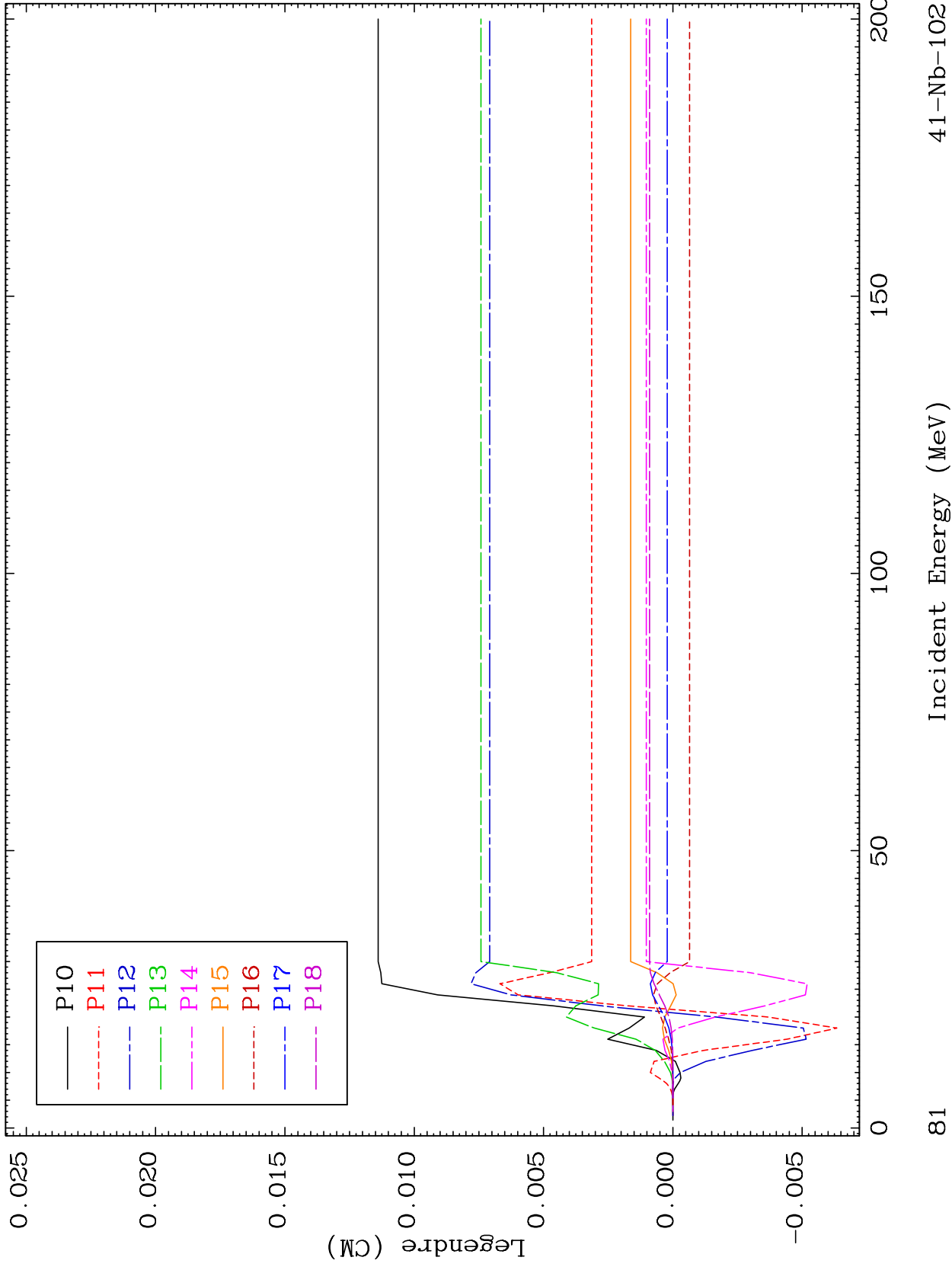
Incident Energy (MeV)

80

MAT 4152

748.5 keV (n,n') Level
Legendre Coefficients

41-Nb-102



81

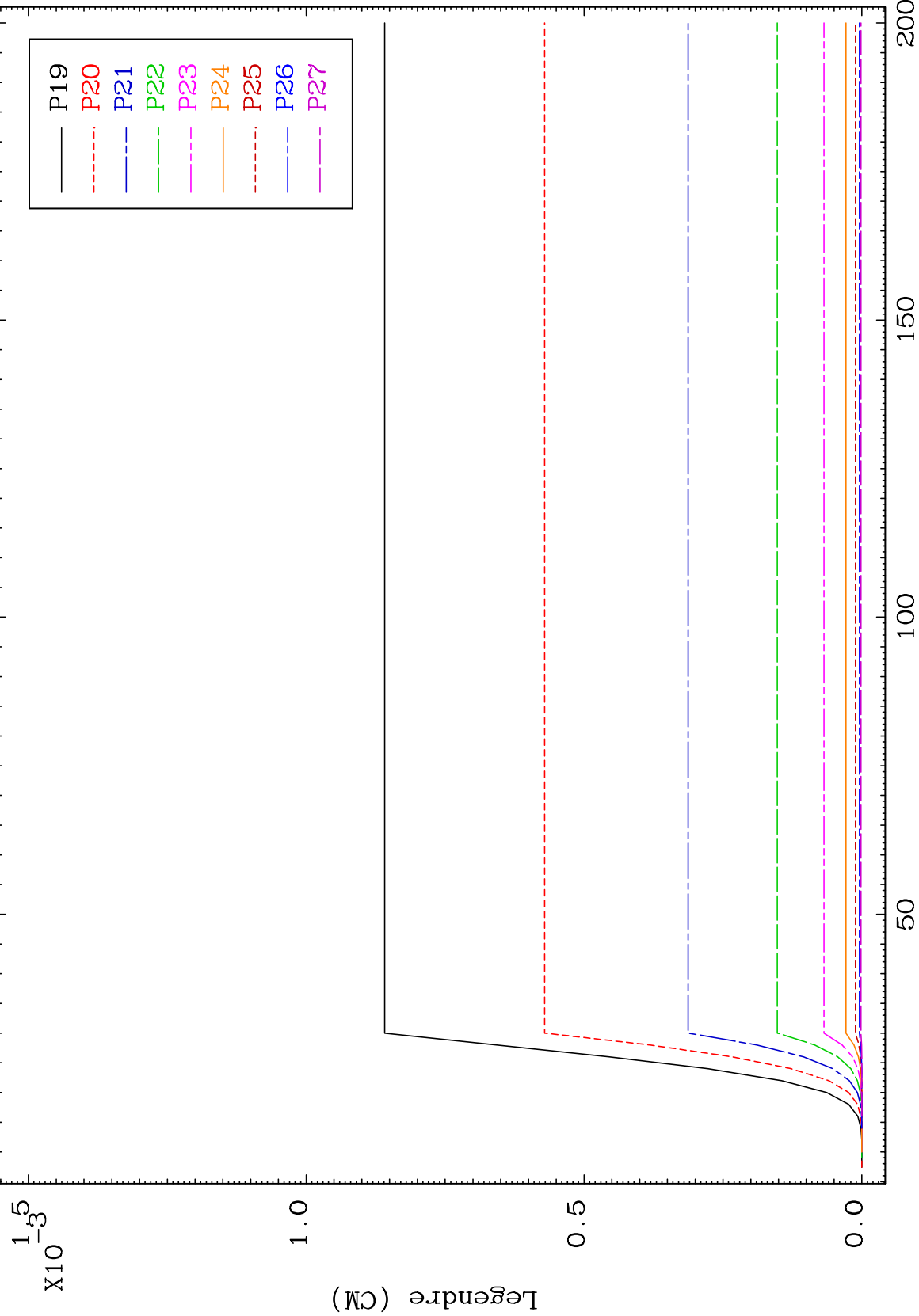
Incident Energy (MeV)

41-Nb-102

MAT 4152

748.5 keV (n,n') Level
Legendre Coefficients

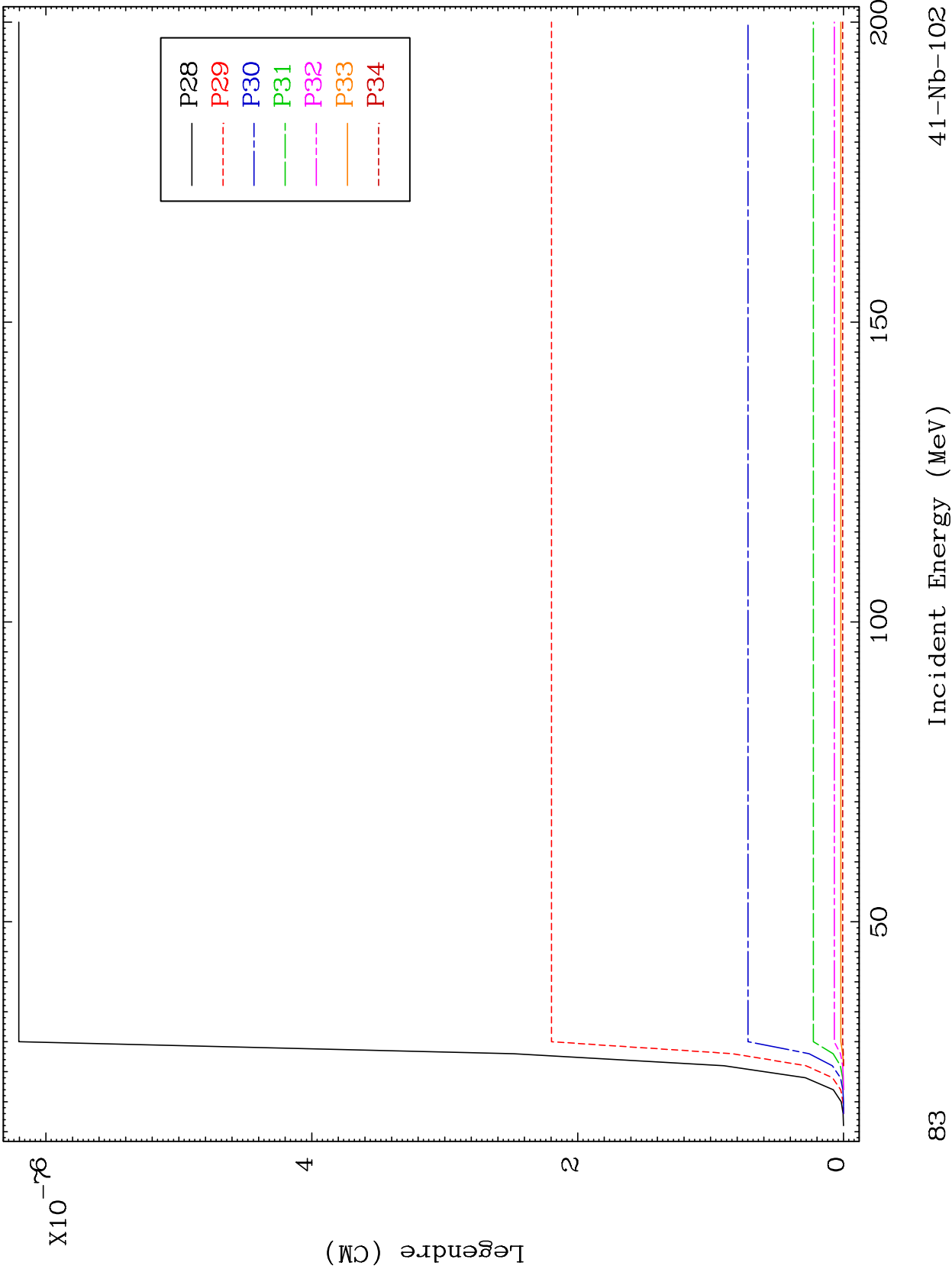
41-Nb-102



82

Incident Energy (MeV)

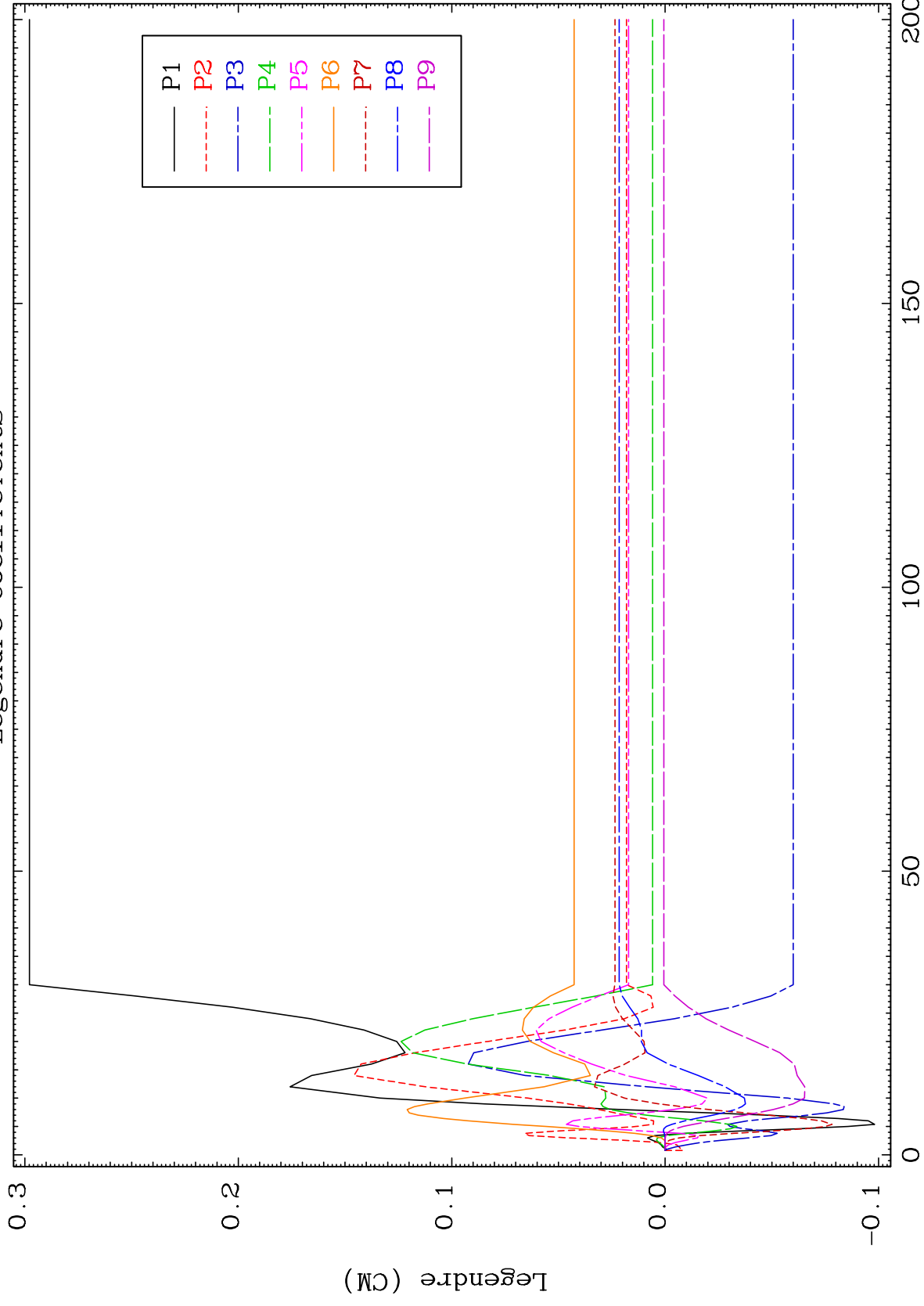
41-Nb-102



MAT 4152

769.6 keV (n,n') Level
Legendre Coefficients

41-Nb-102



84

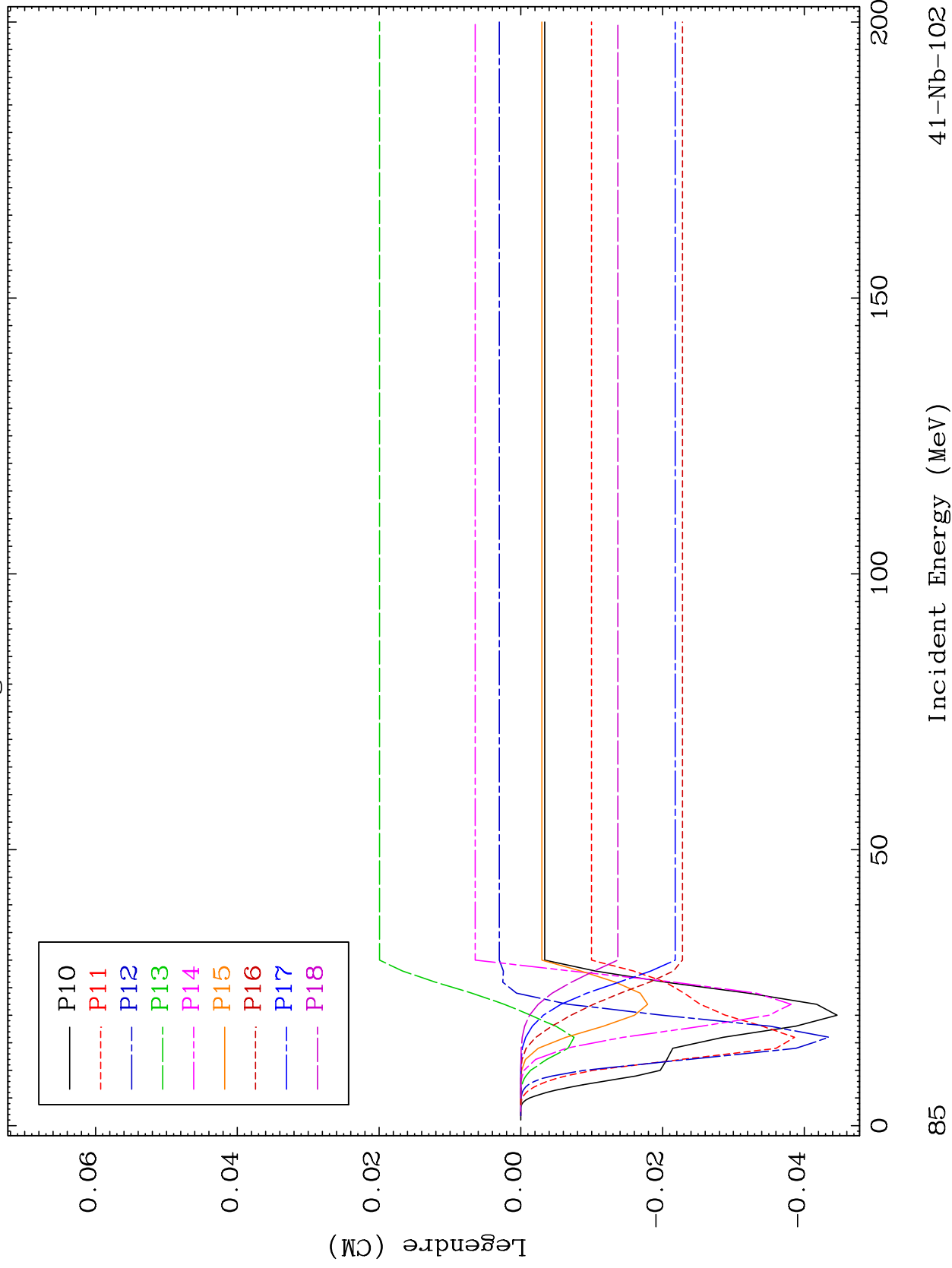
Incident Energy (MeV)

41-Nb-102

MAT 4152

769.6 keV (n,n') Level
Legendre Coefficients

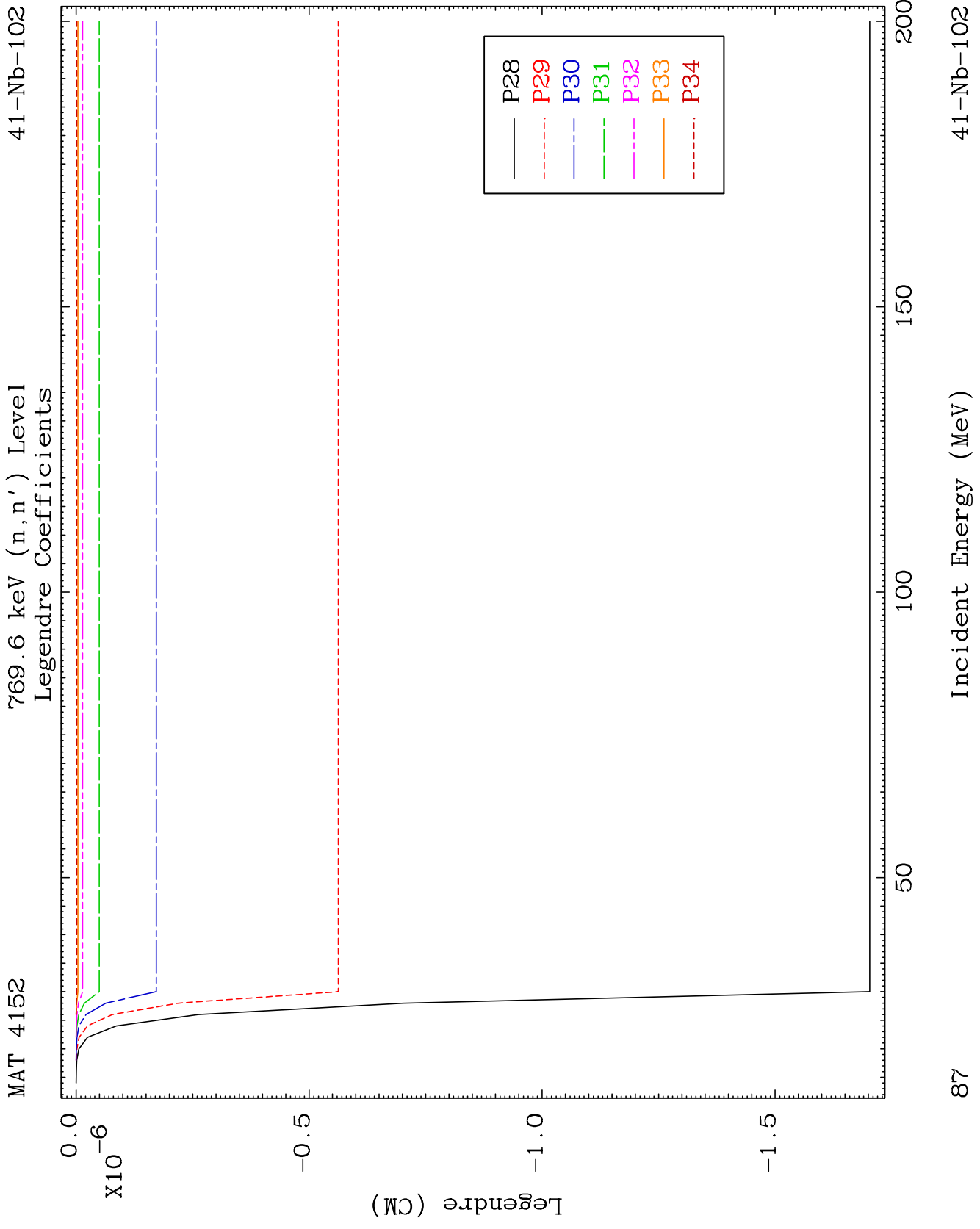
41-Nb-102

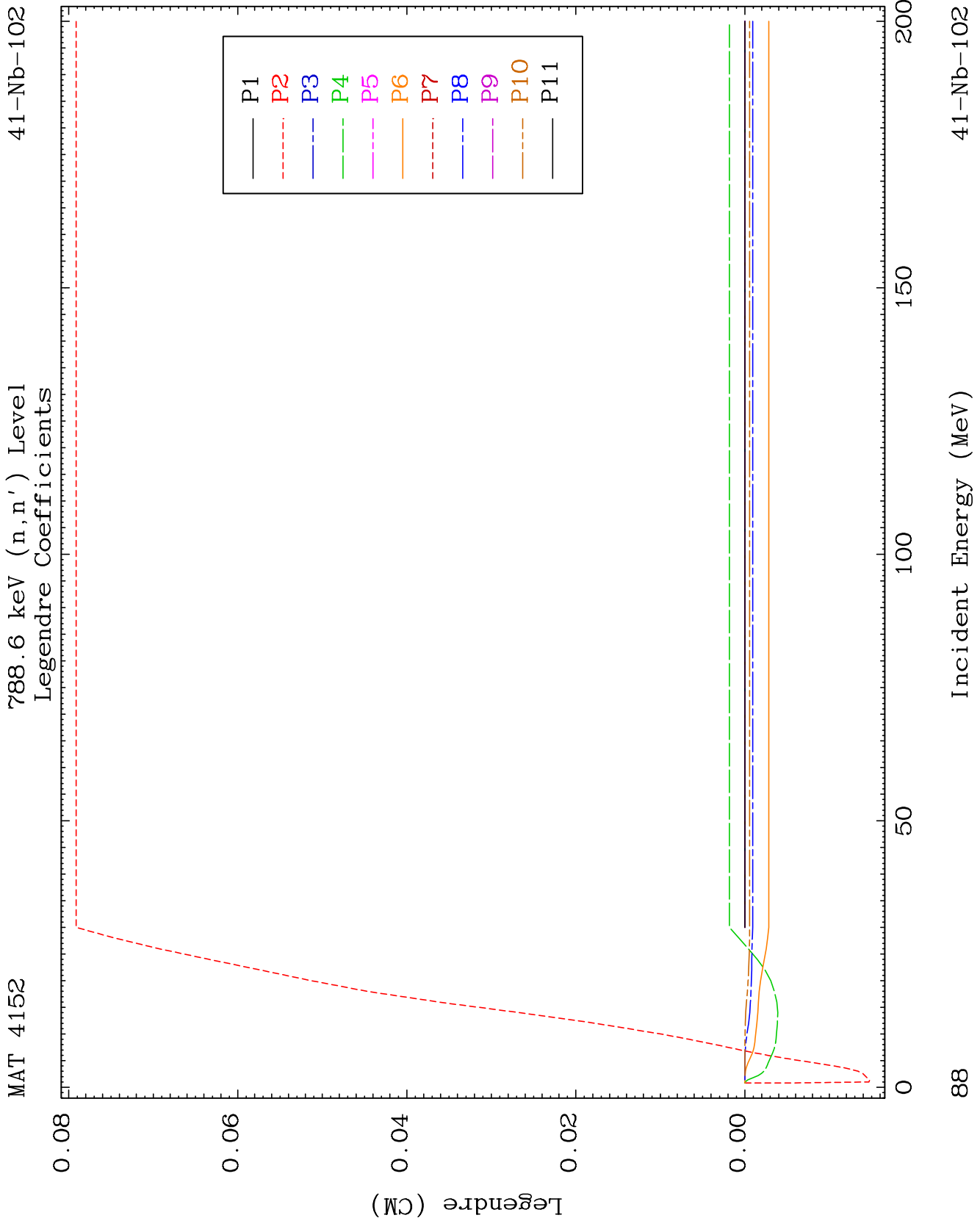


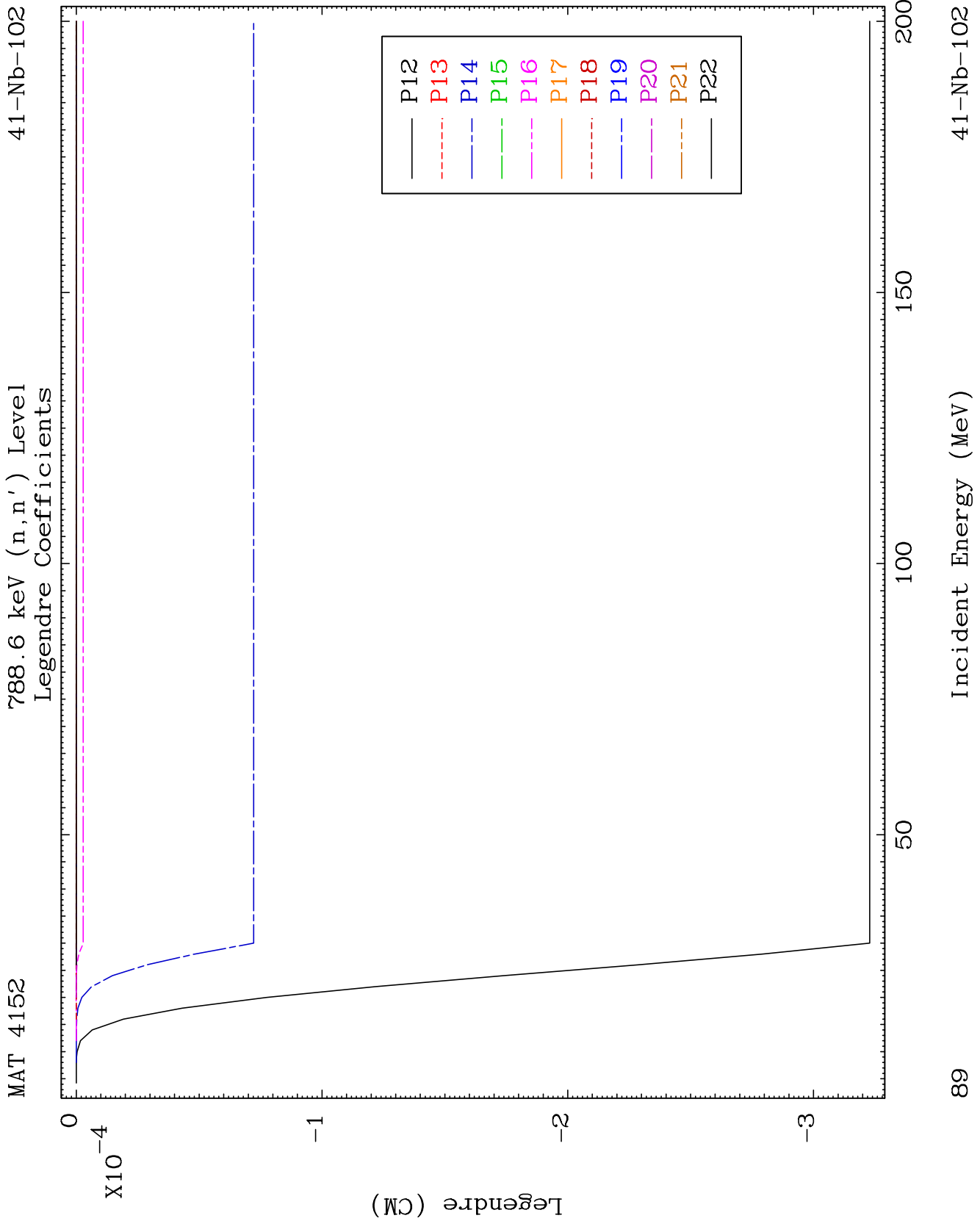
41-Nb-102

Incident Energy (MeV)

85



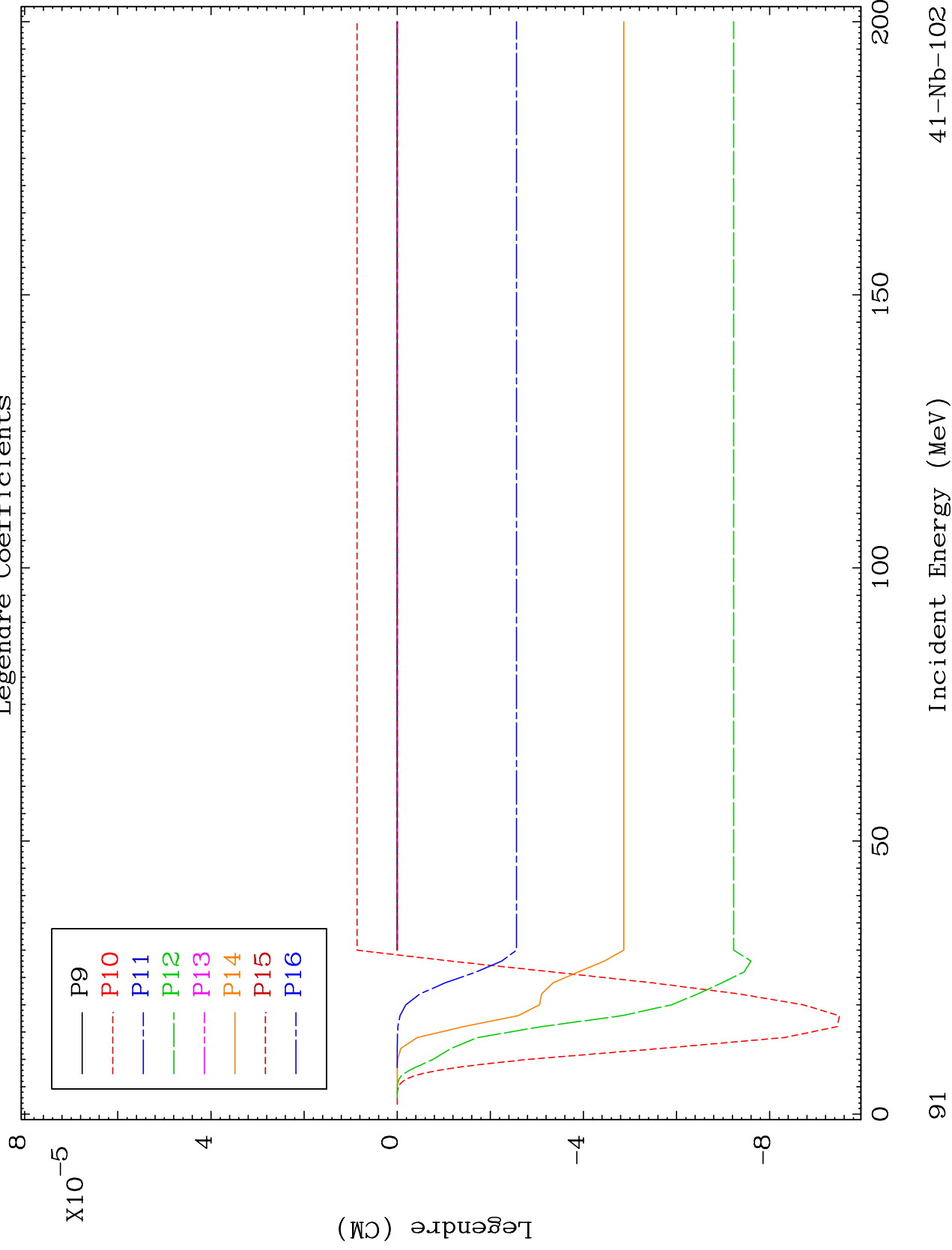




MAT 4152

805.2 keV (n,n') Level
Legendre Coefficients

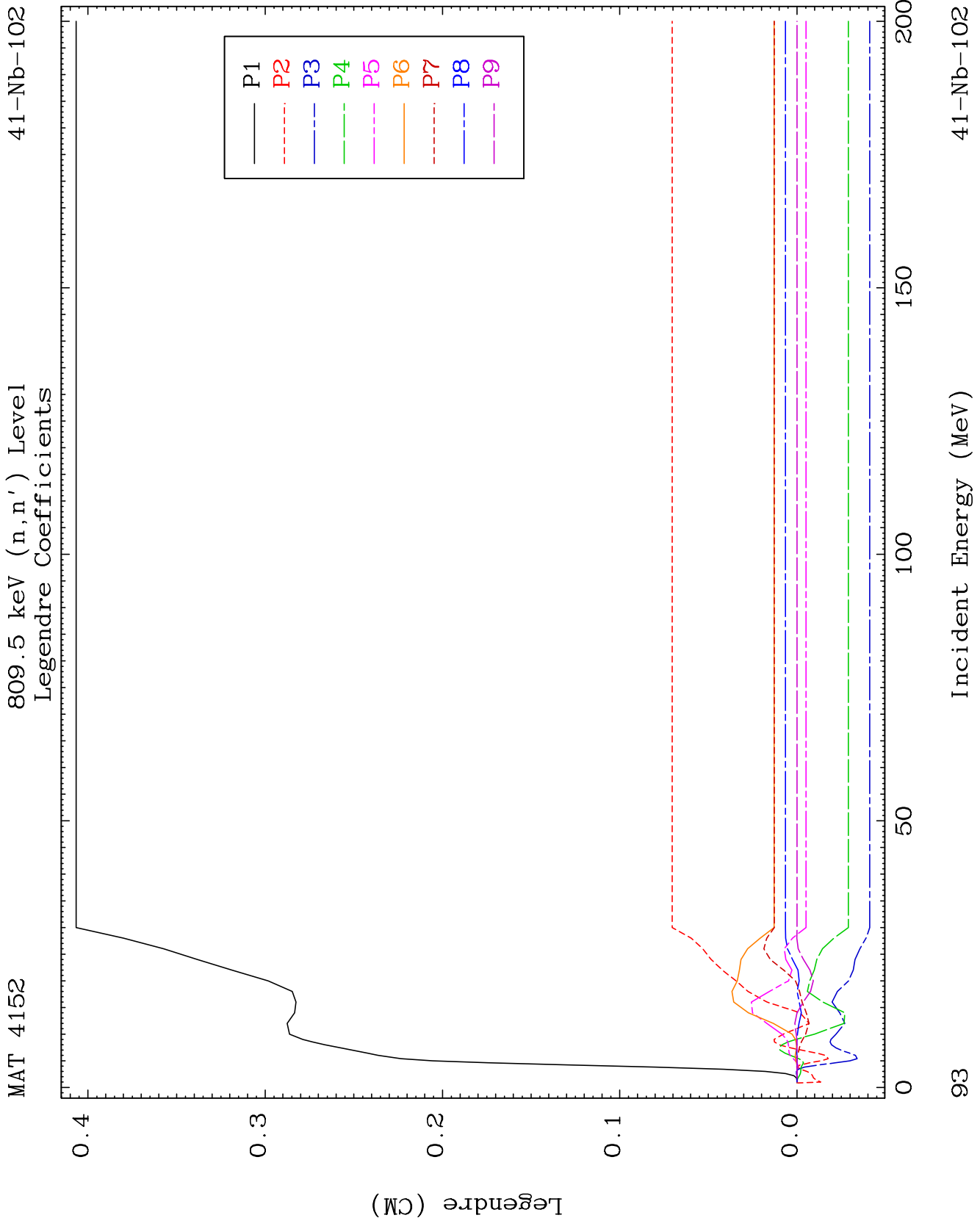
41-Nb-102



91

Incident Energy (MeV)

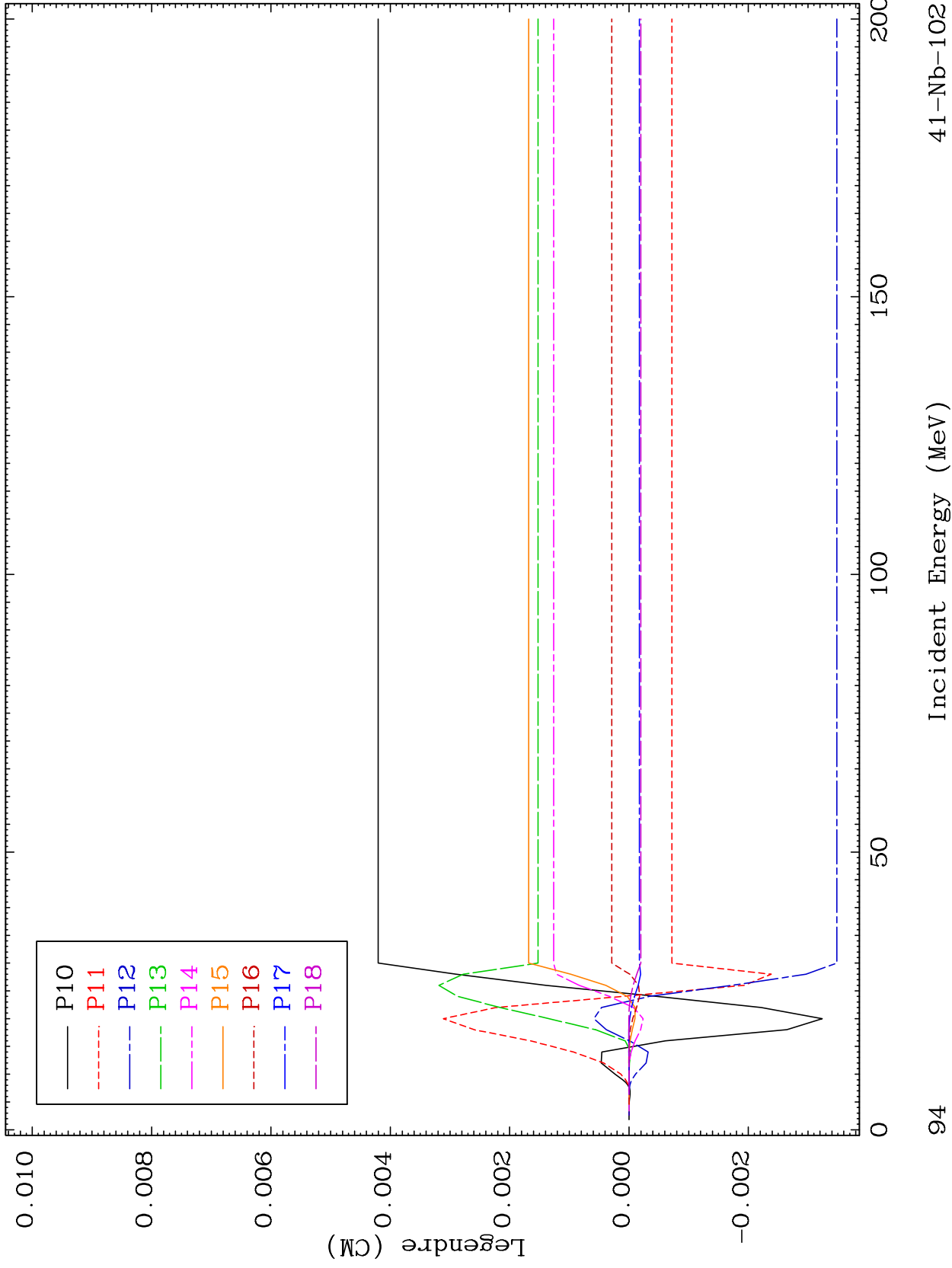
41-Nb-102



MAT 4152

809.5 keV (n,n') Level
Legendre Coefficients

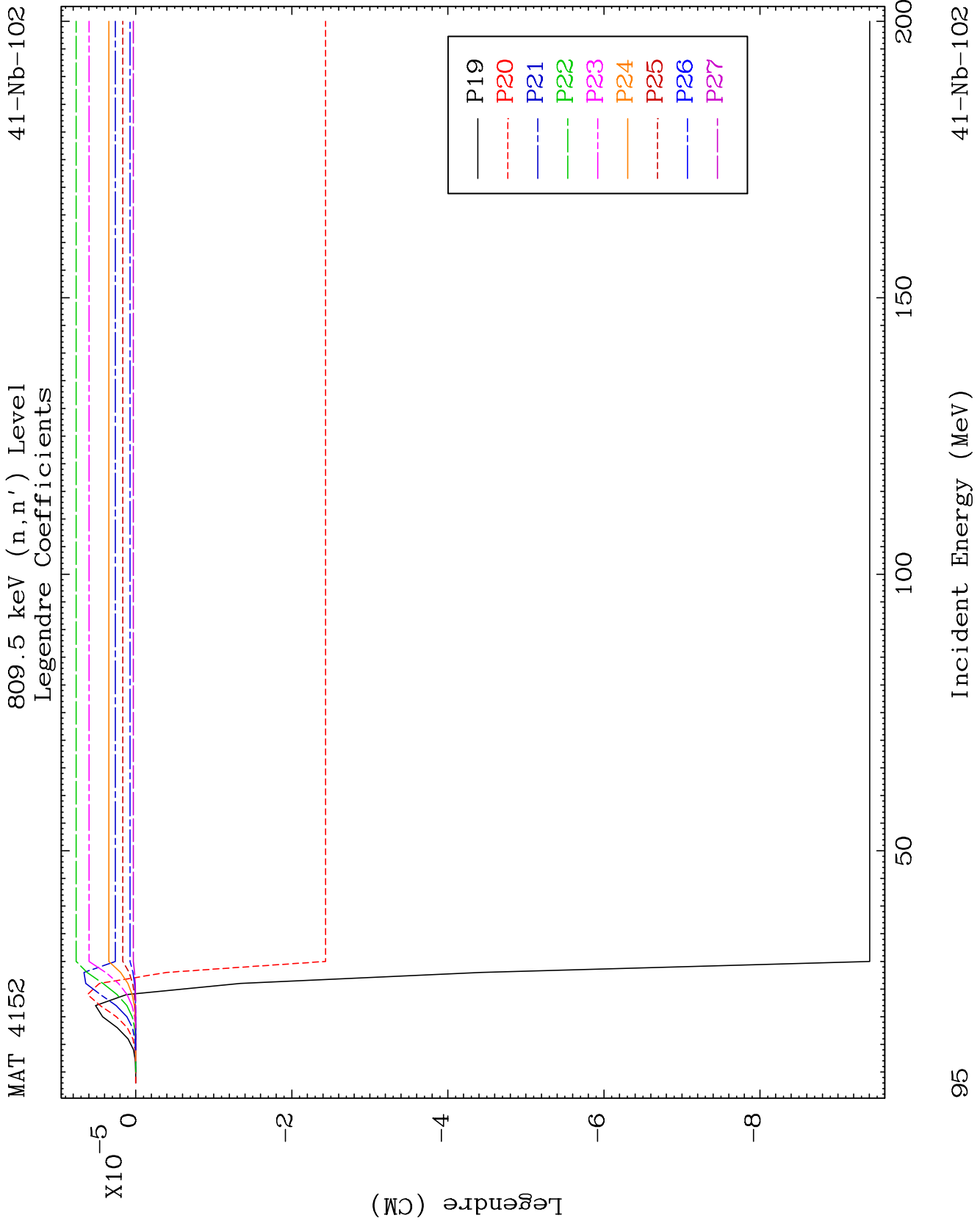
41-Nb-102

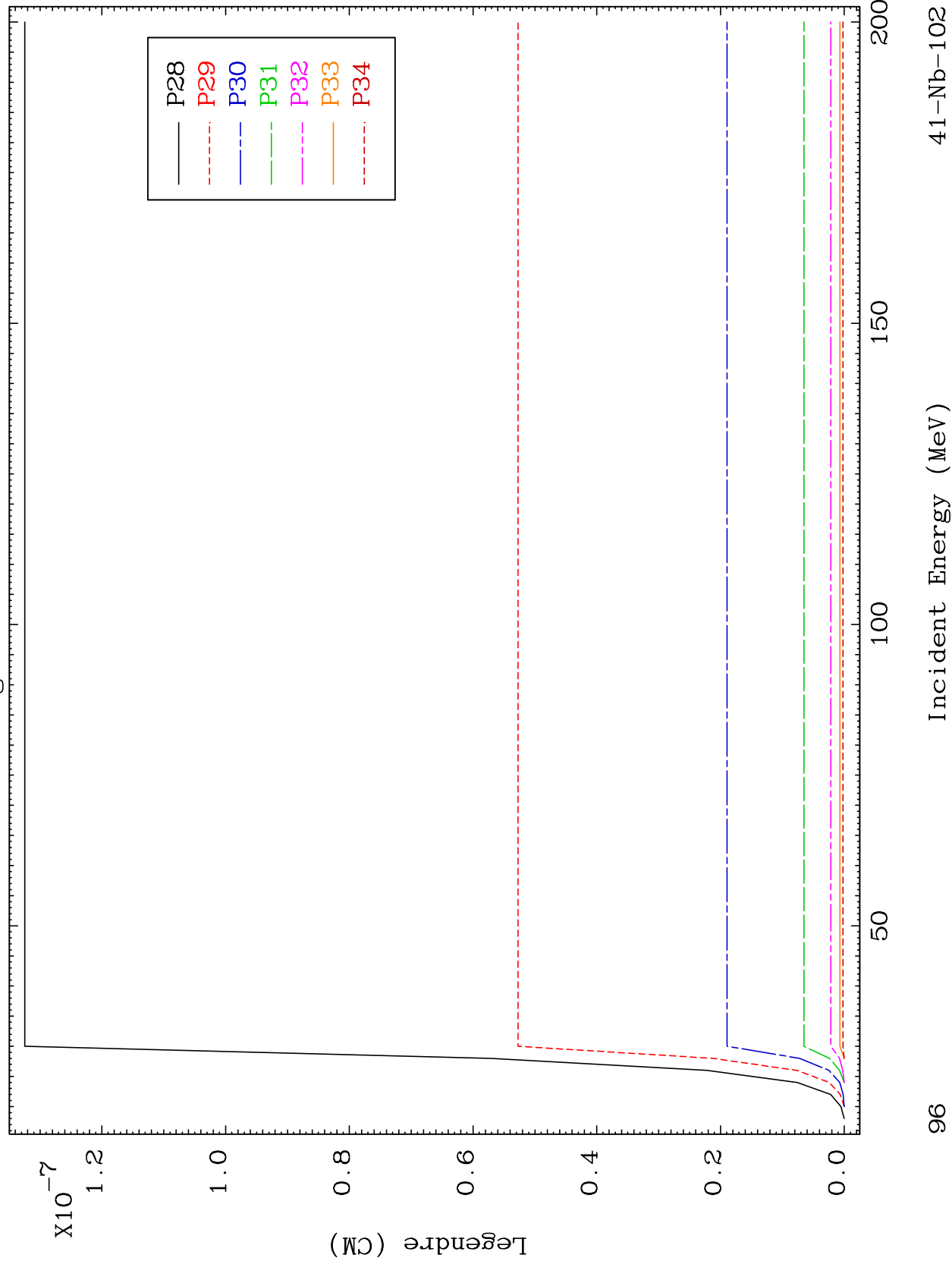


94

Incident Energy (MeV)

41-Nb-102

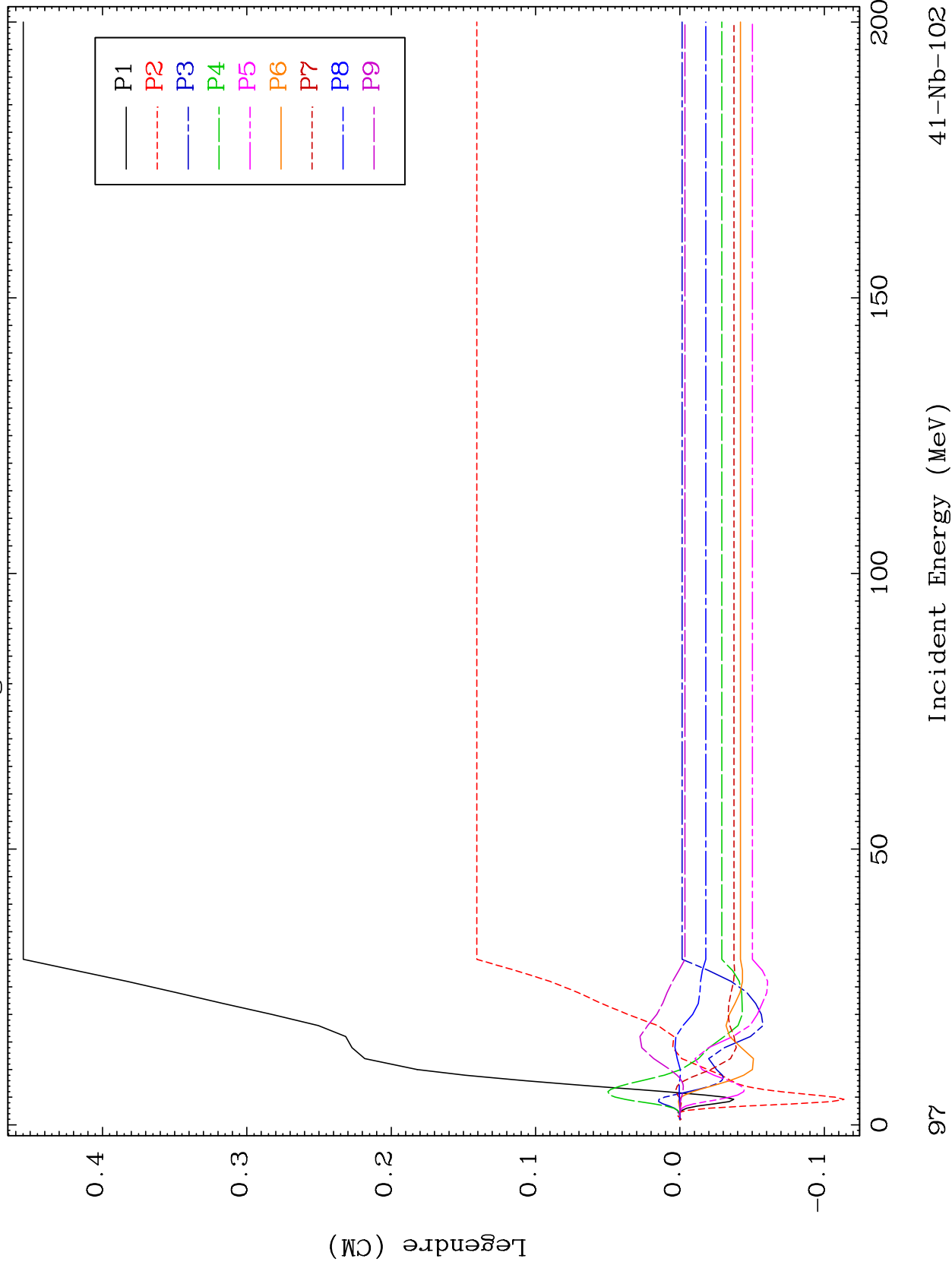




MAT 4152

844.4 keV (n,n') Level
Legendre Coefficients

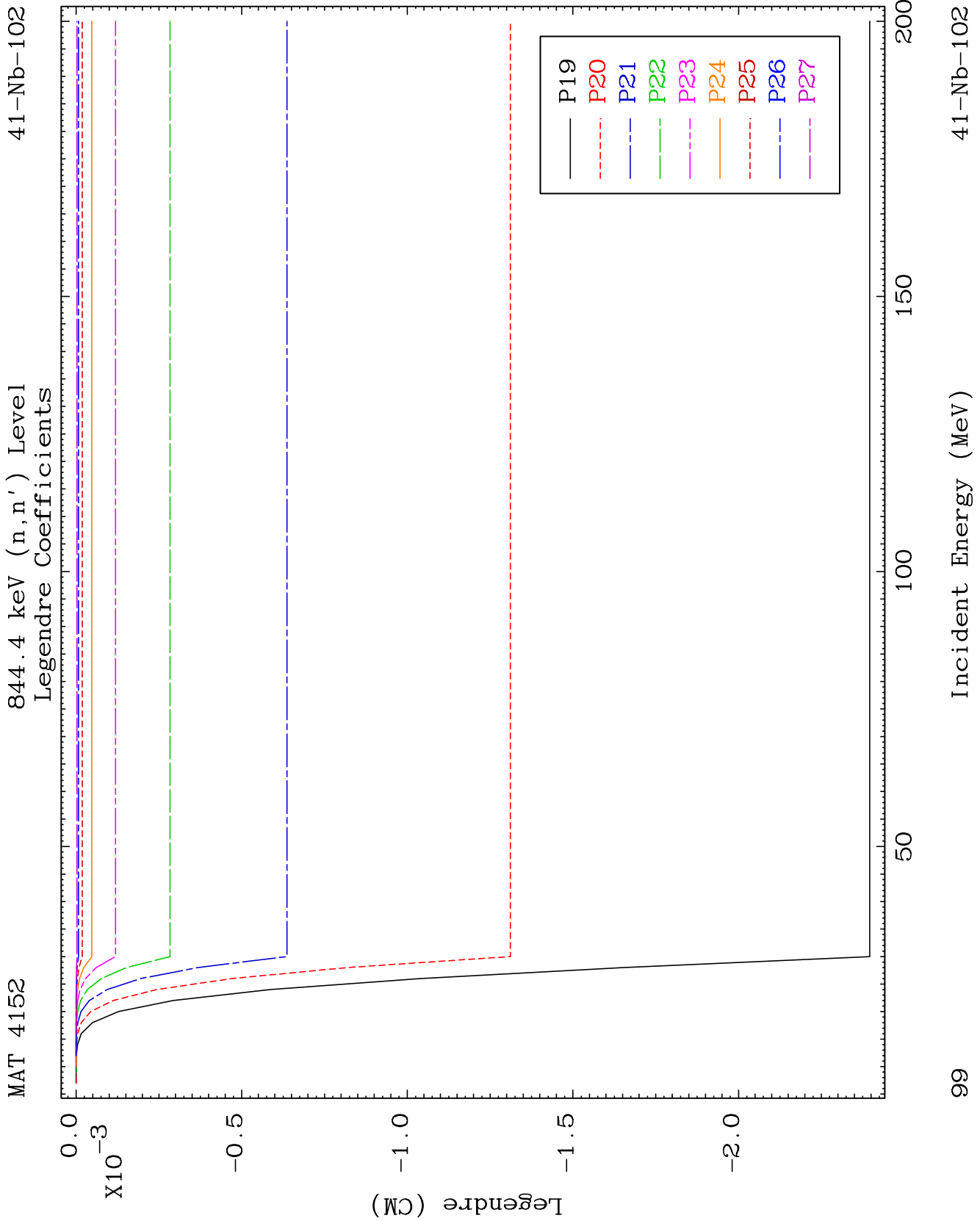
41-Nb-102

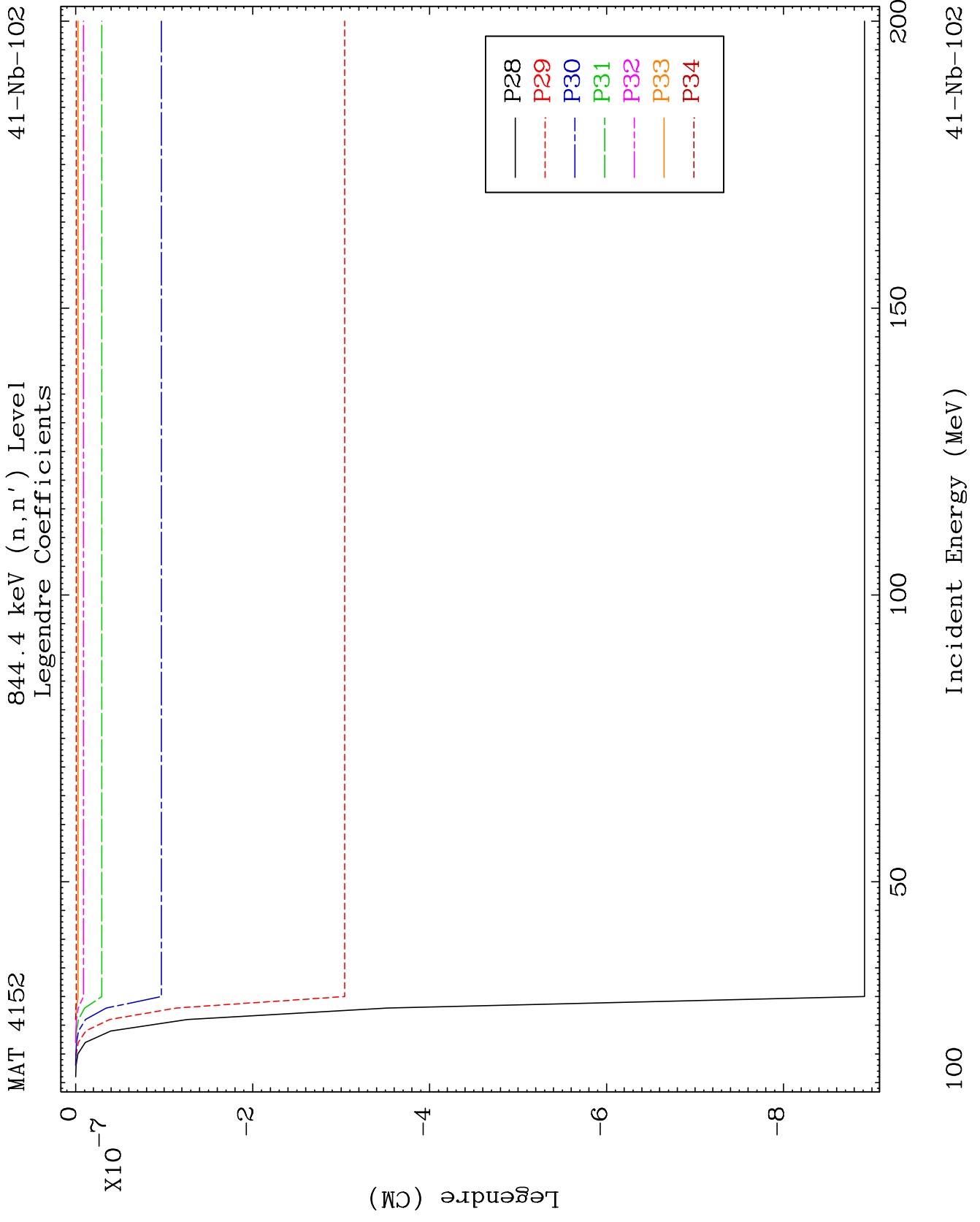


97

Incident Energy (MeV)

41-Nb-102

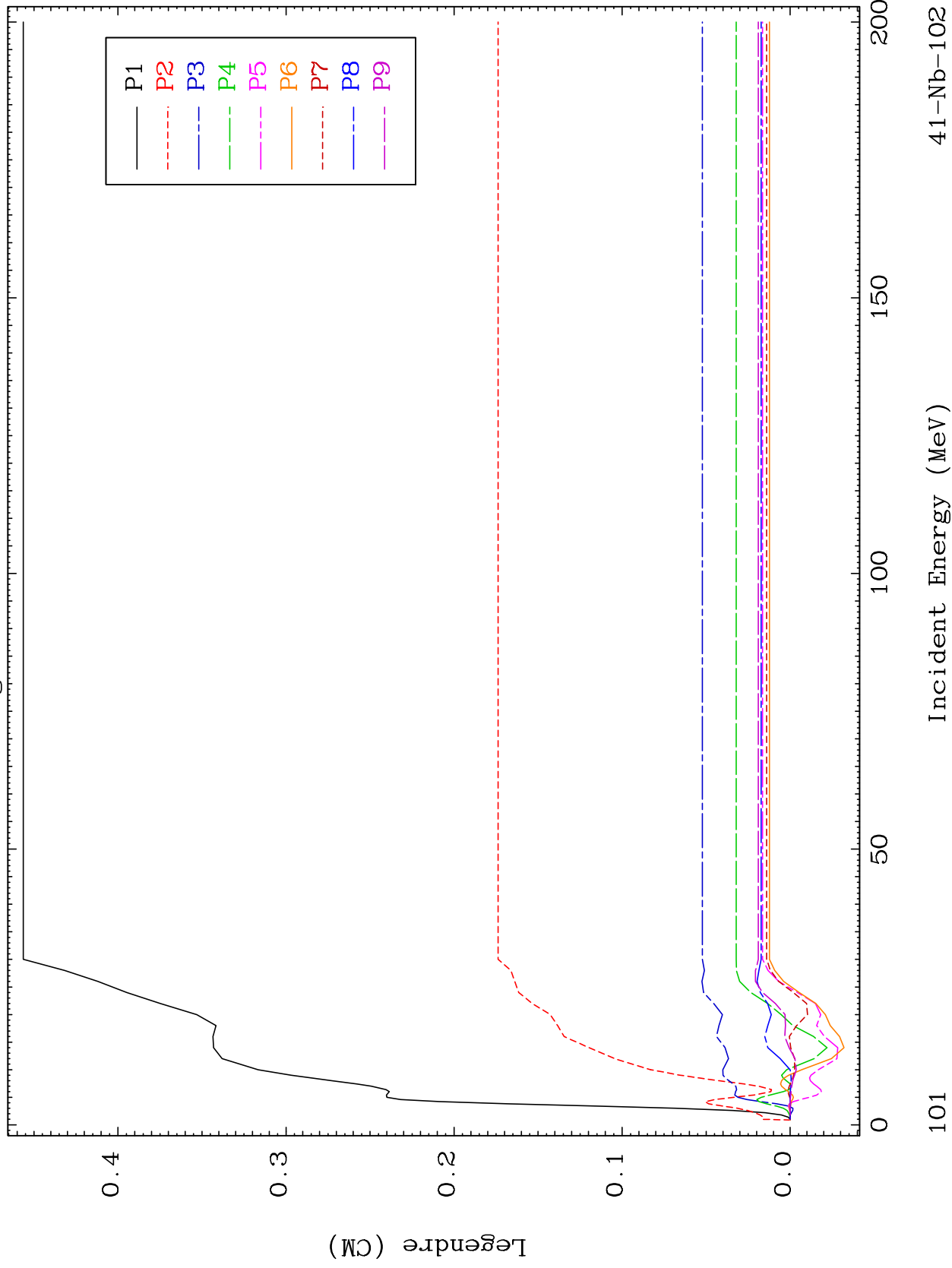




MAT 4152

850.9 keV (n,n') Level
Legendre Coefficients

41-Nb-102



101

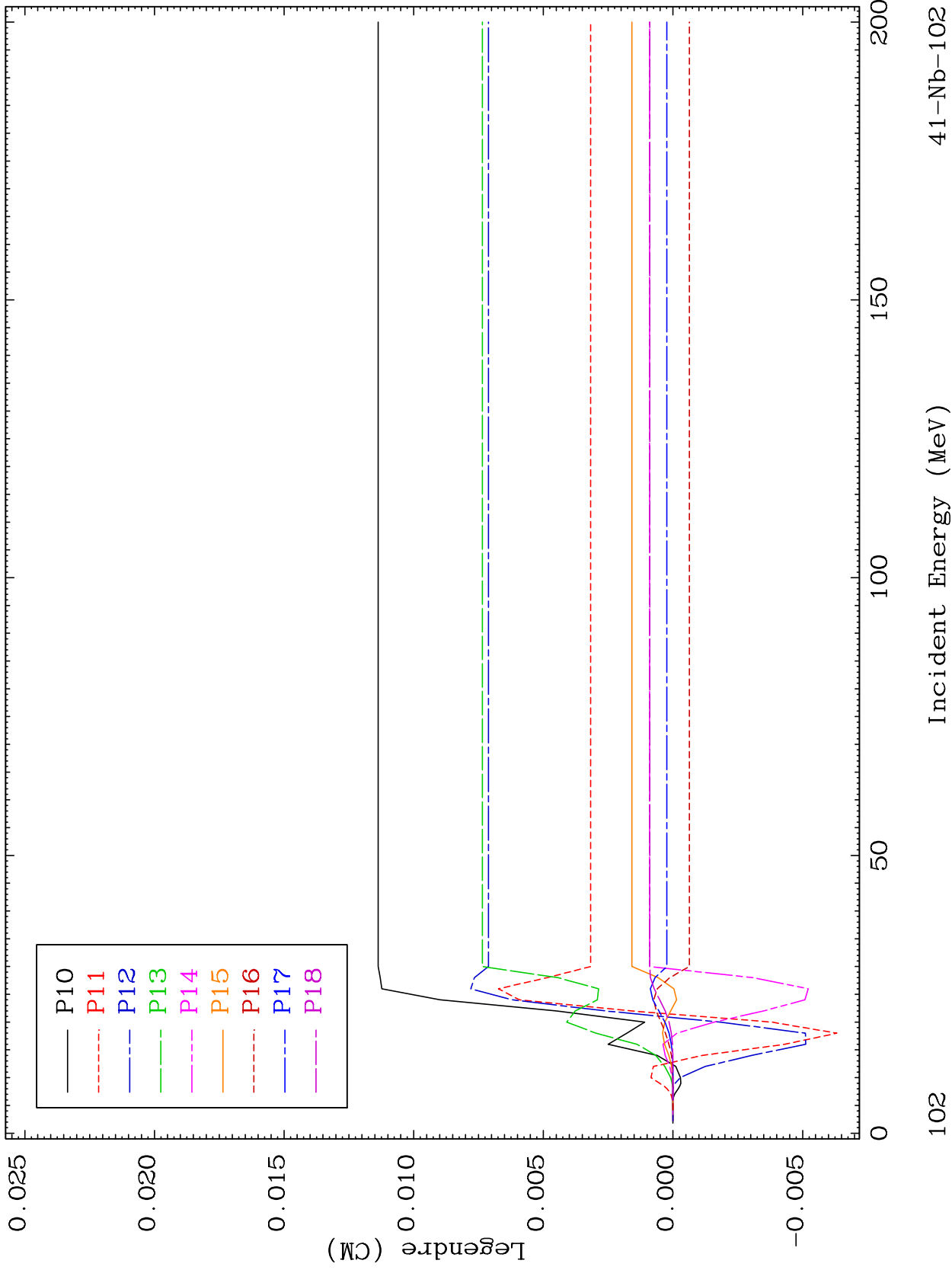
Incident Energy (MeV)

41-Nb-102

MAT 4152

850.9 keV (n,n') Level
Legendre Coefficients

41-Nb-102



41-Nb-102

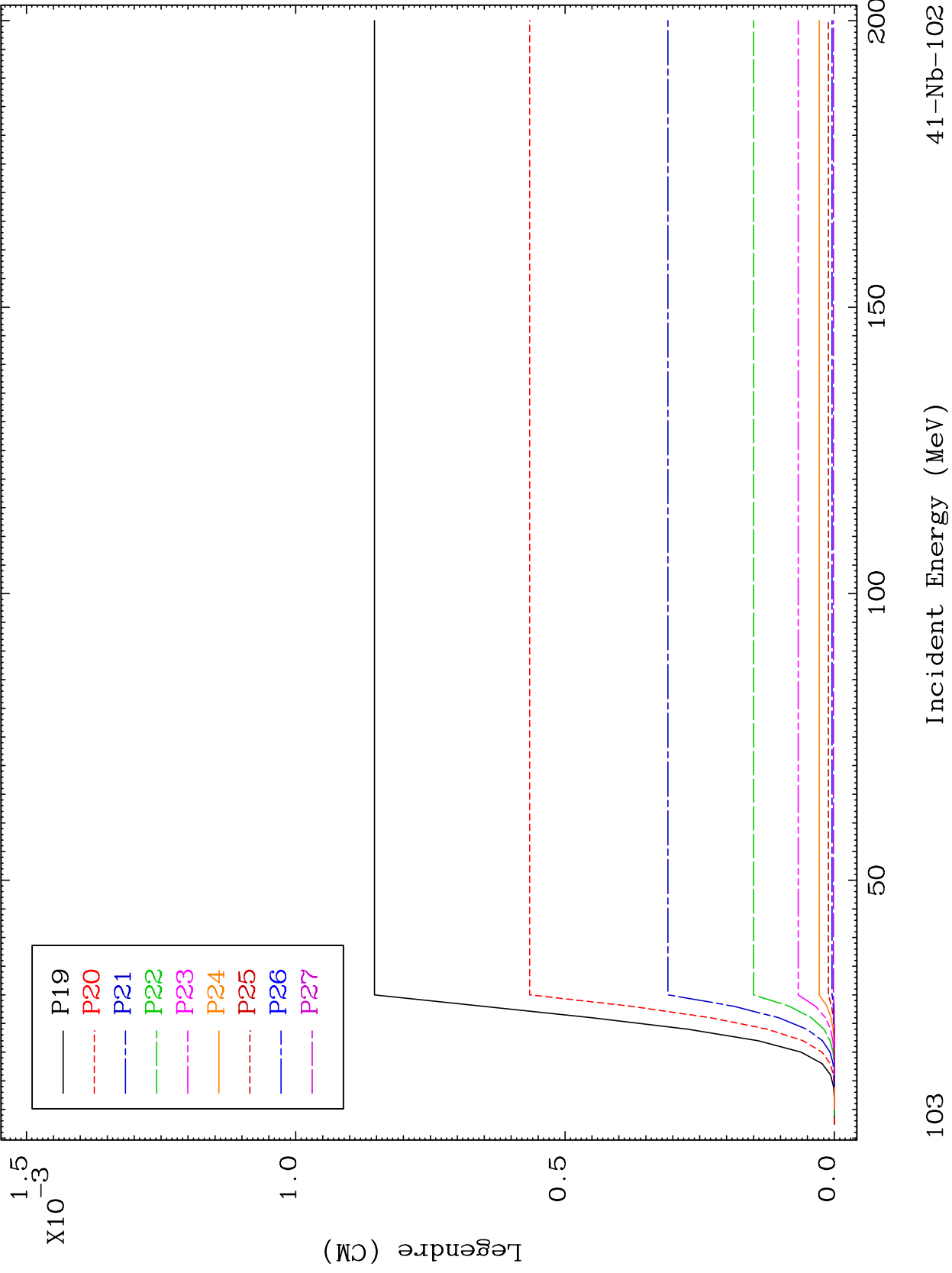
Incident Energy (MeV)

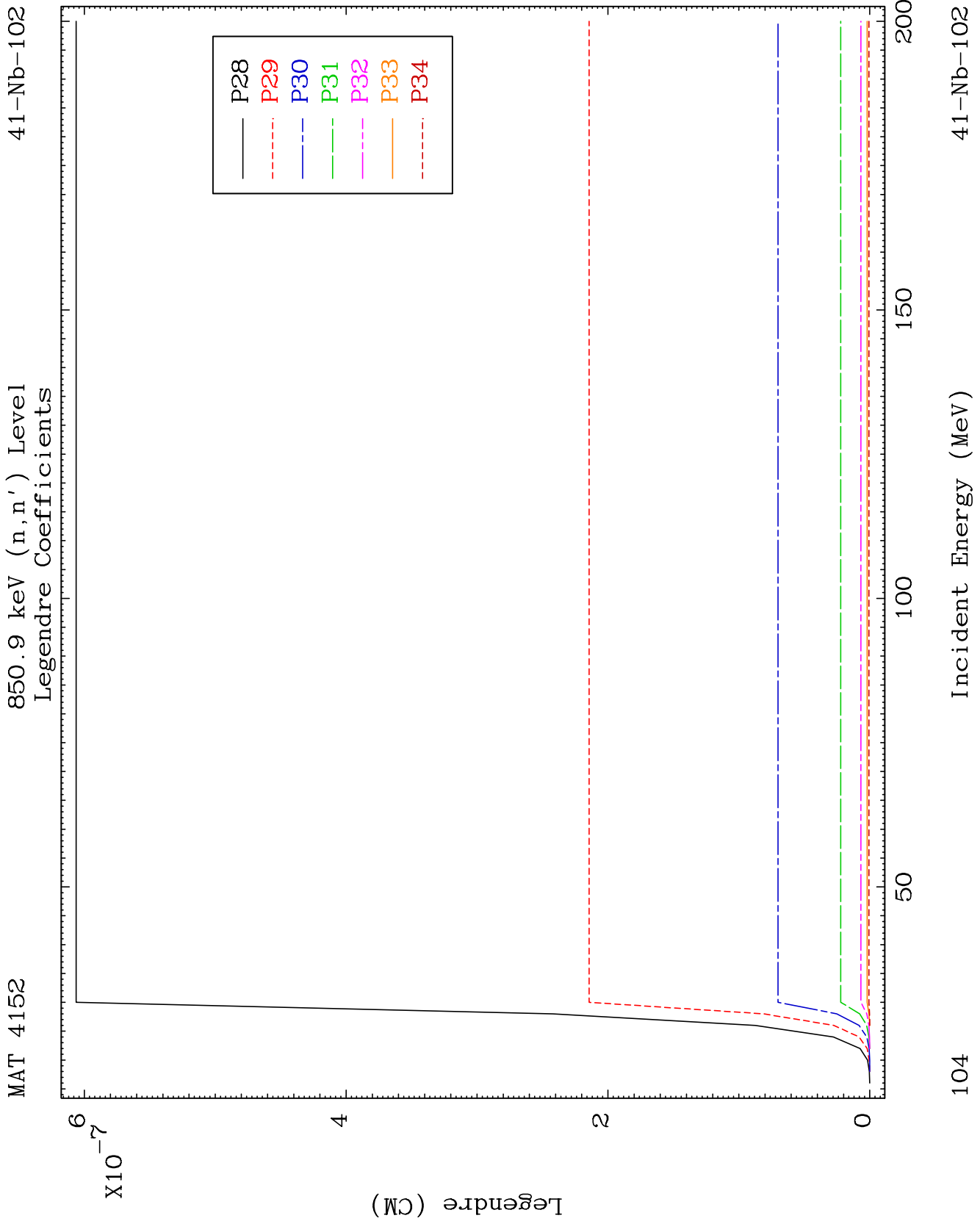
102

MAT 4152

850.9 keV (n, n') Level
Legendre Coefficients

41-Nb-102

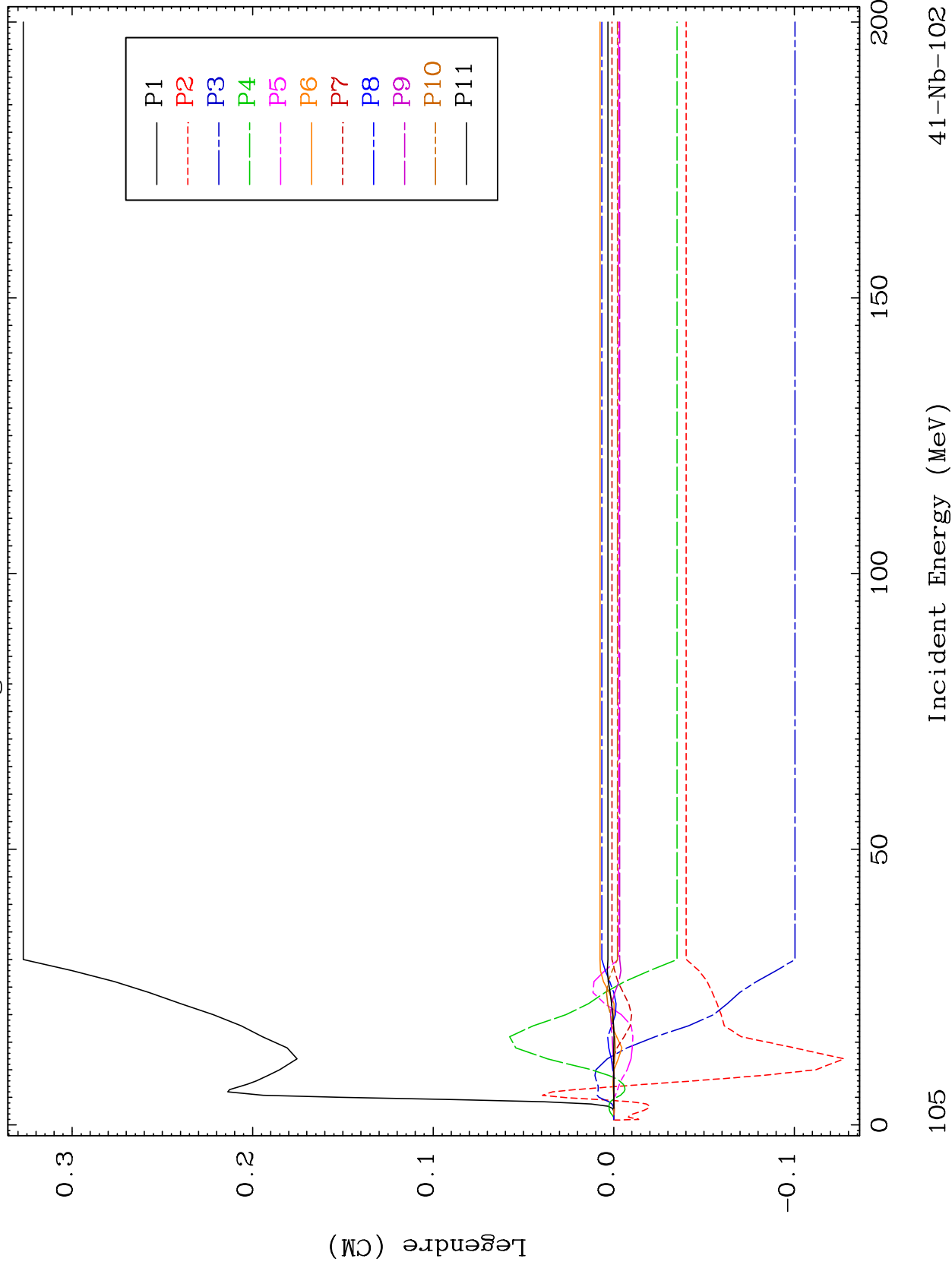




MAT 4152

878.9 keV (n, n') Level
Legendre Coefficients

41-Nb-102



41-Nb-102

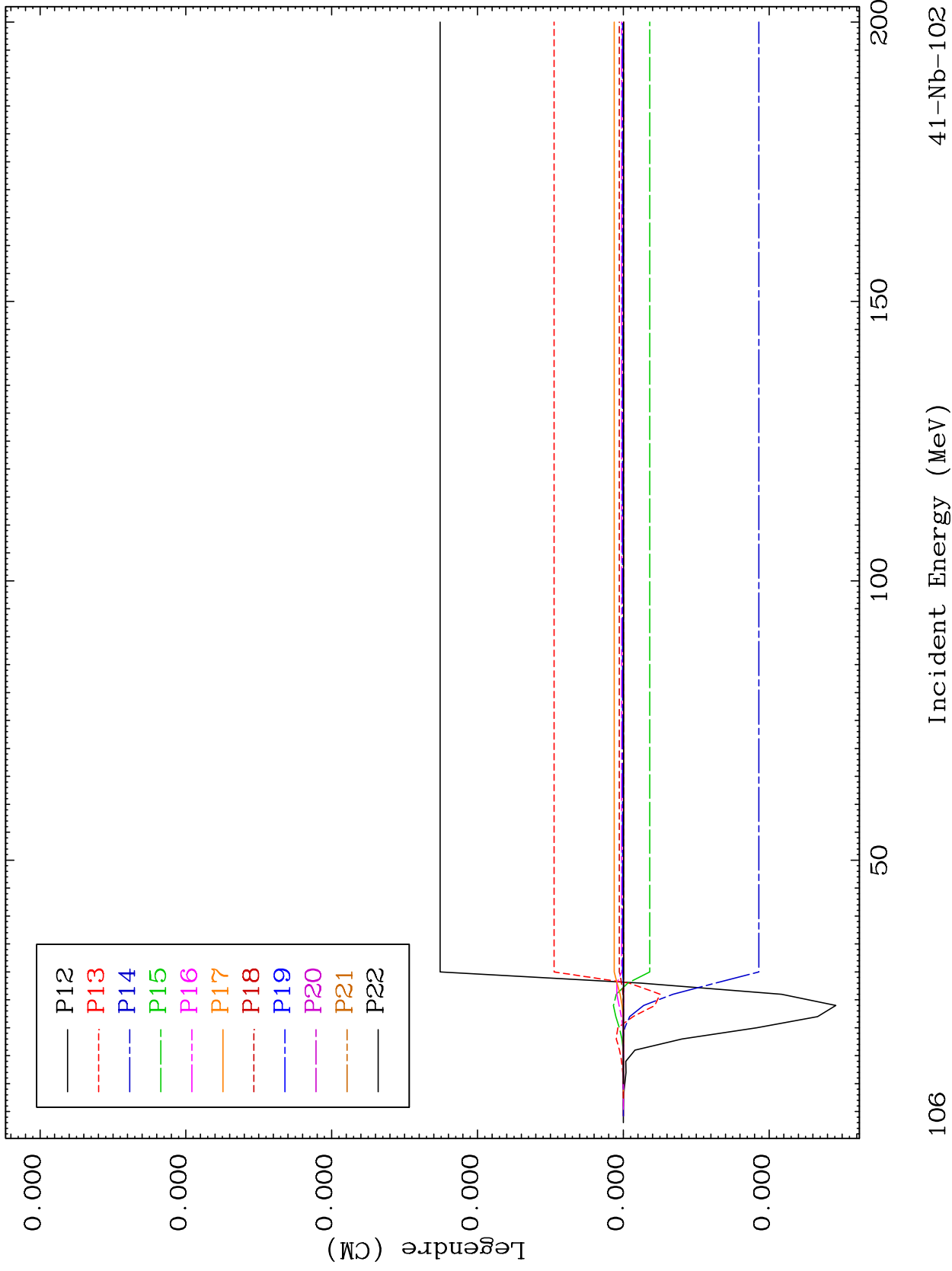
Incident Energy (MeV)

0

MAT 4152

878.9 keV (n,n') Level
Legendre Coefficients

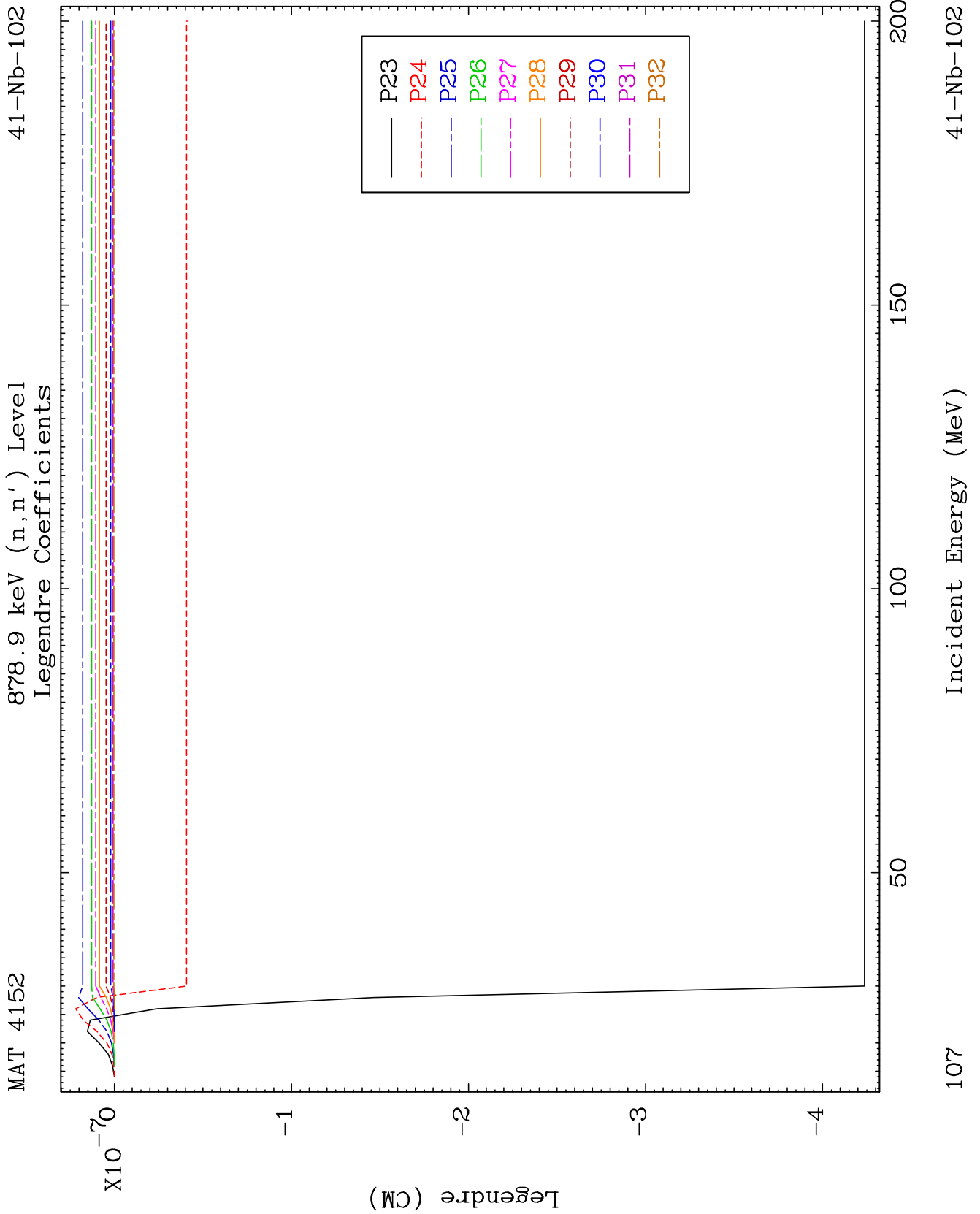
41-Nb-102



106

Incident Energy (MeV)

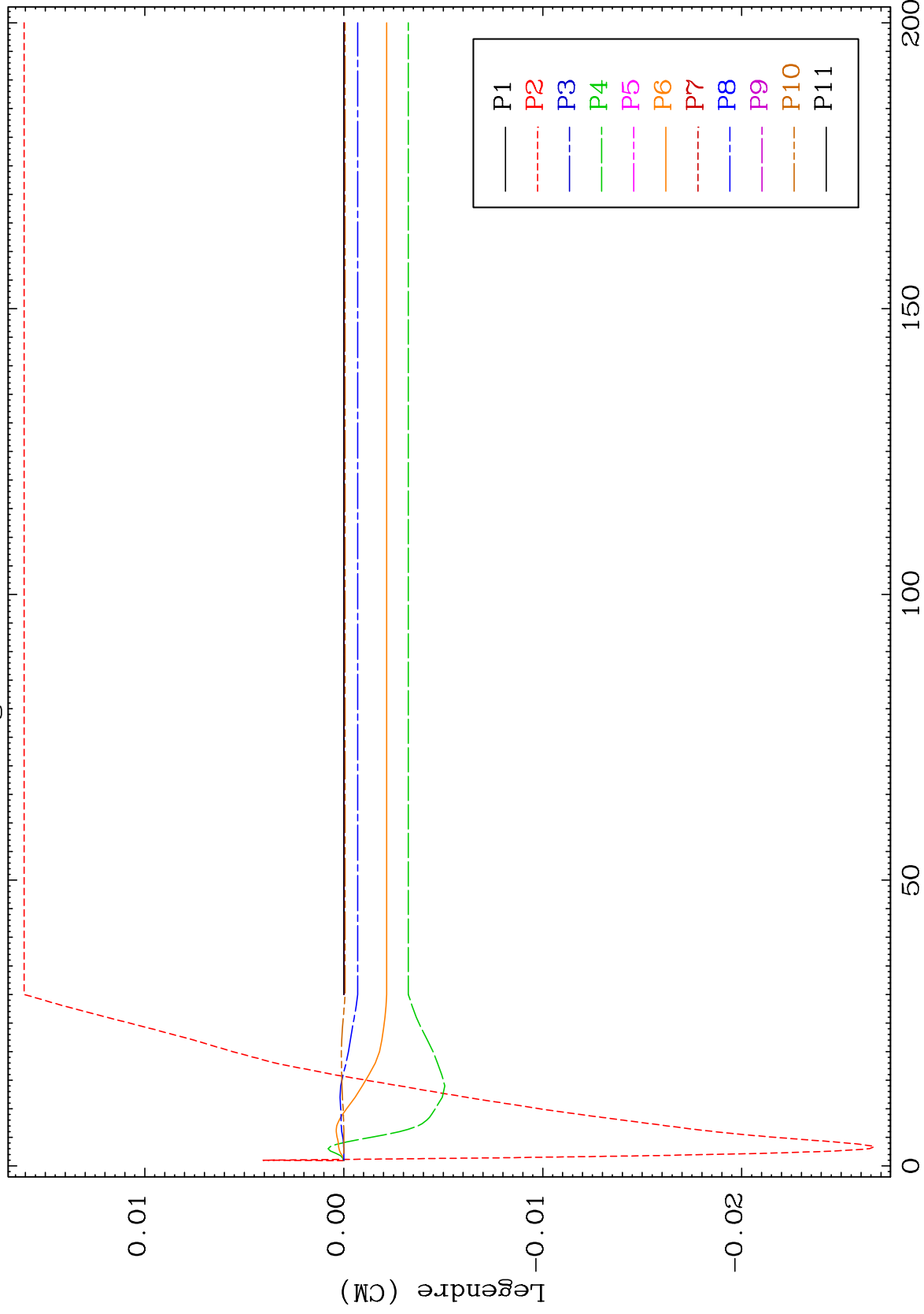
41-Nb-102



MAT 4152

899.6 keV (n,n') Level
Legendre Coefficients

41-Nb-102



41-Nb-102

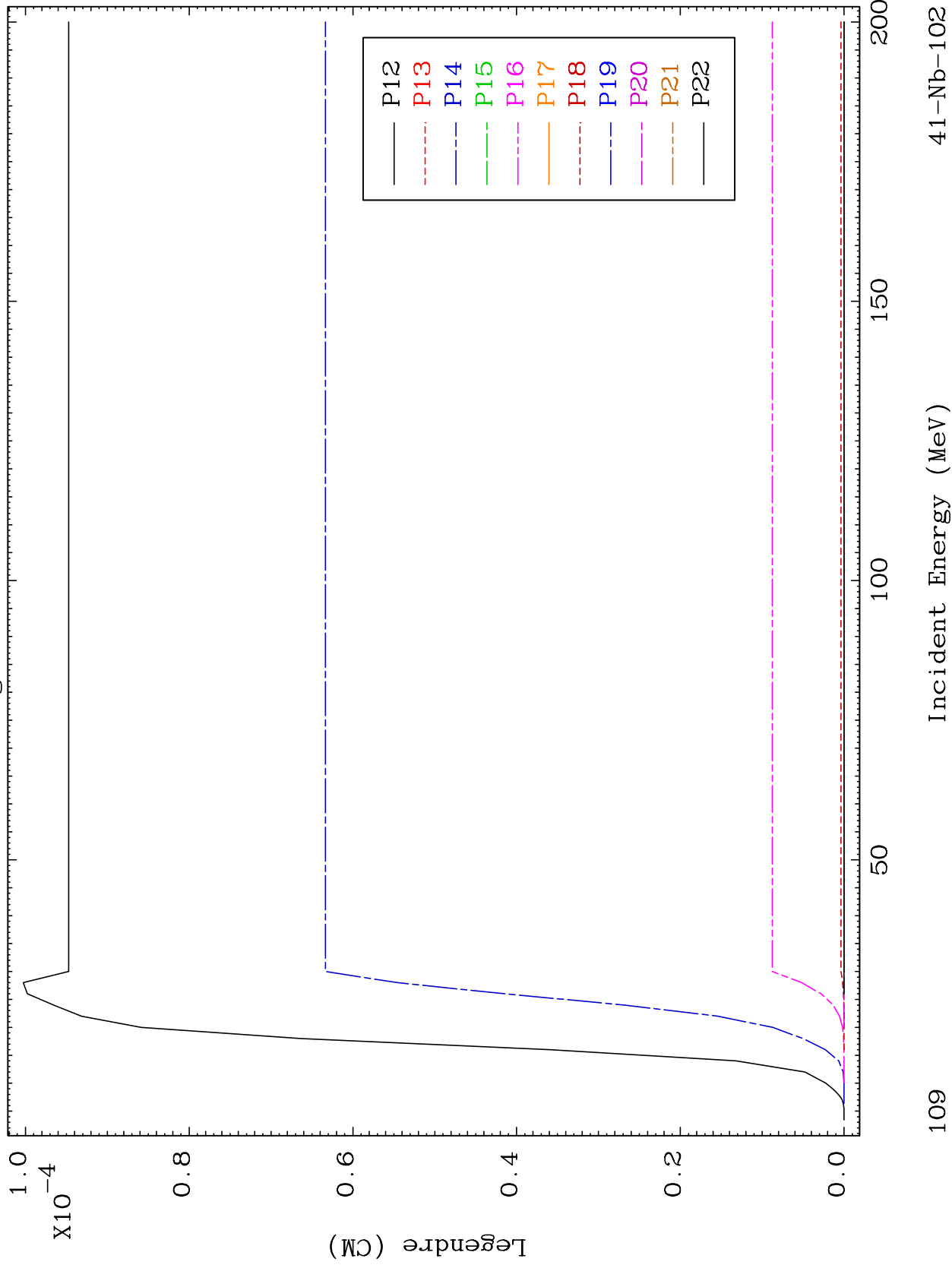
Incident Energy (MeV)

108

MAT 4152

899.6 keV (n,n') Level
Legendre Coefficients

41-Nb-102



109

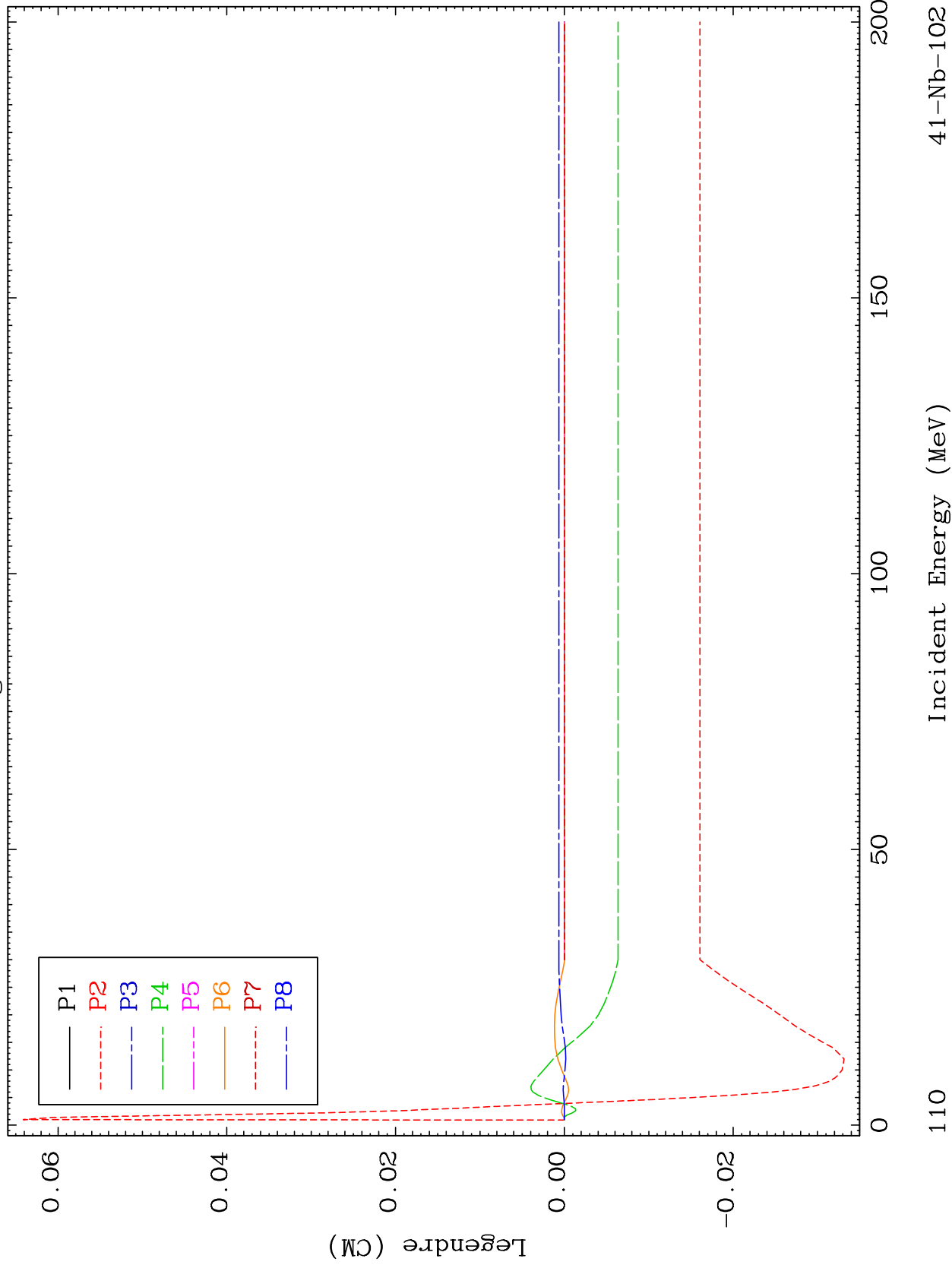
Incident Energy (MeV)

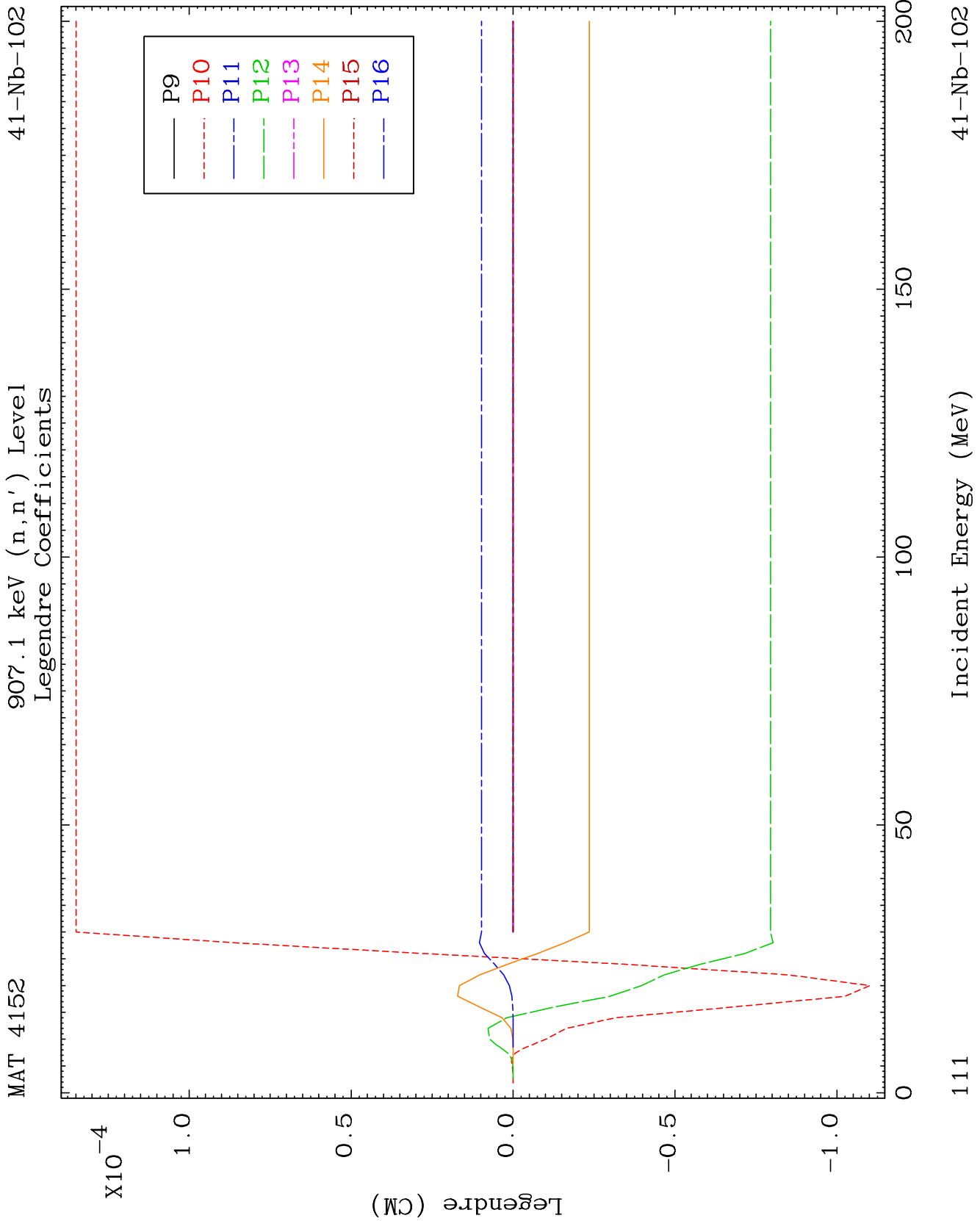
41-Nb-102

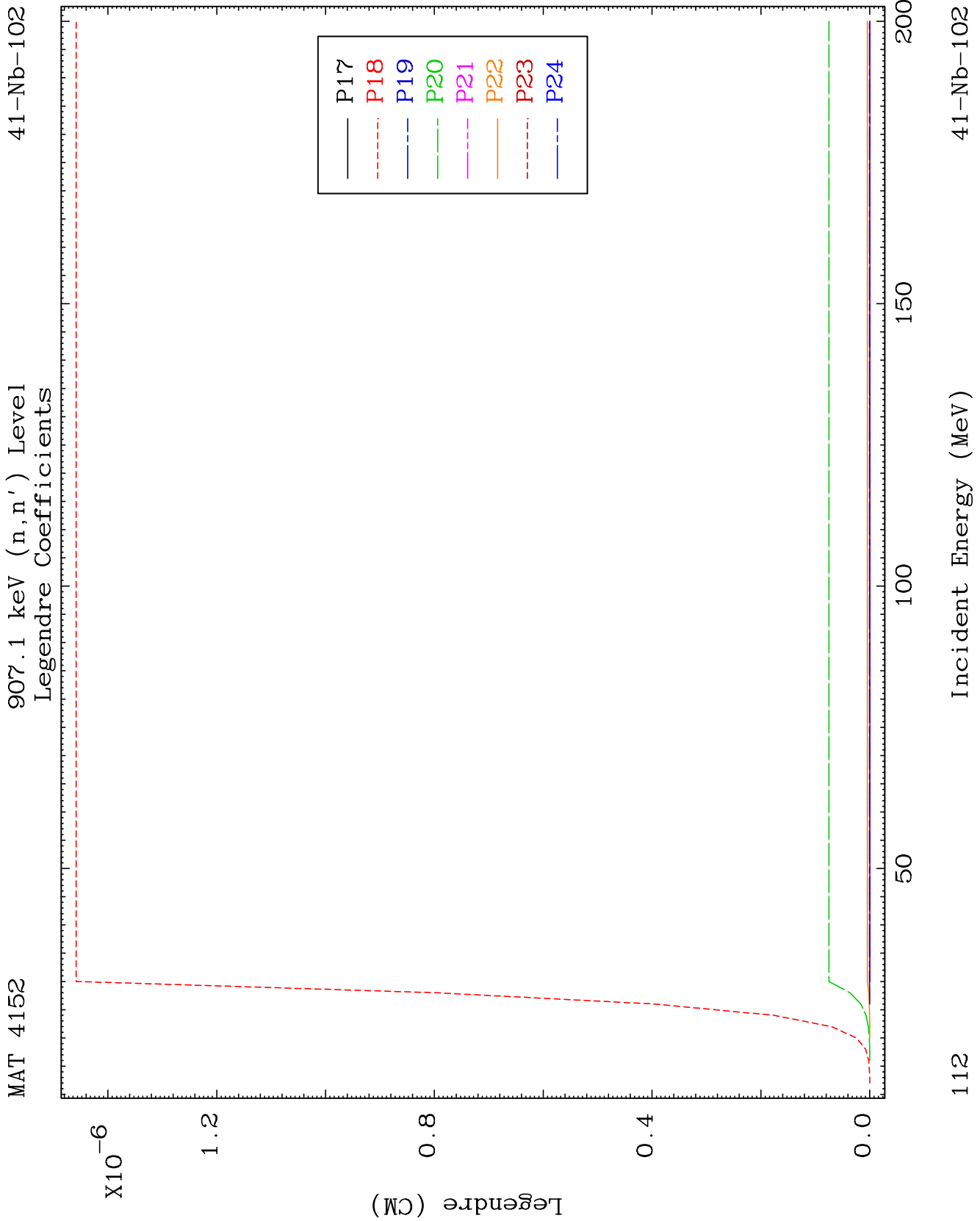
MAT 4152

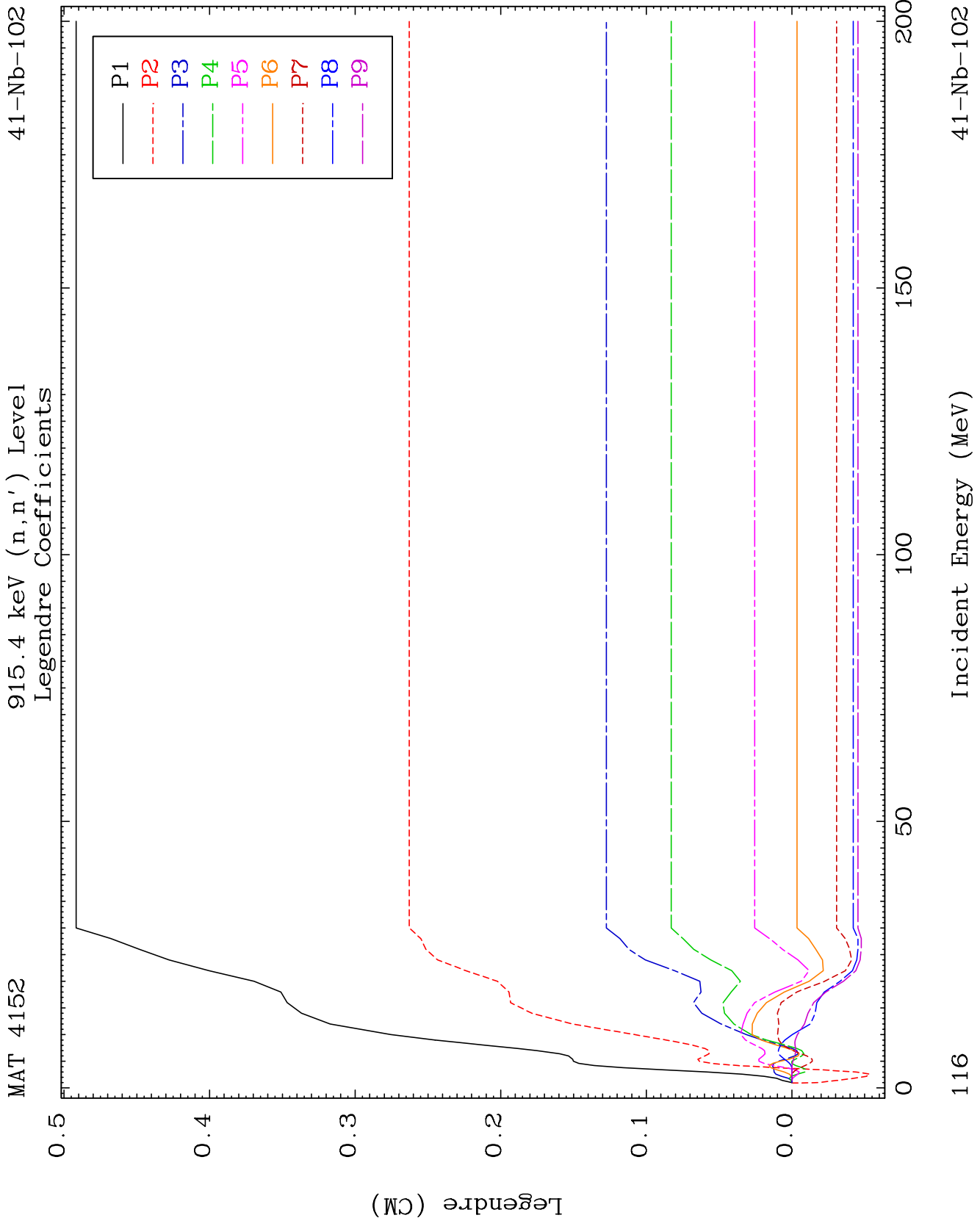
907.1 keV (n,n') Level
Legendre Coefficients

41-Nb-102





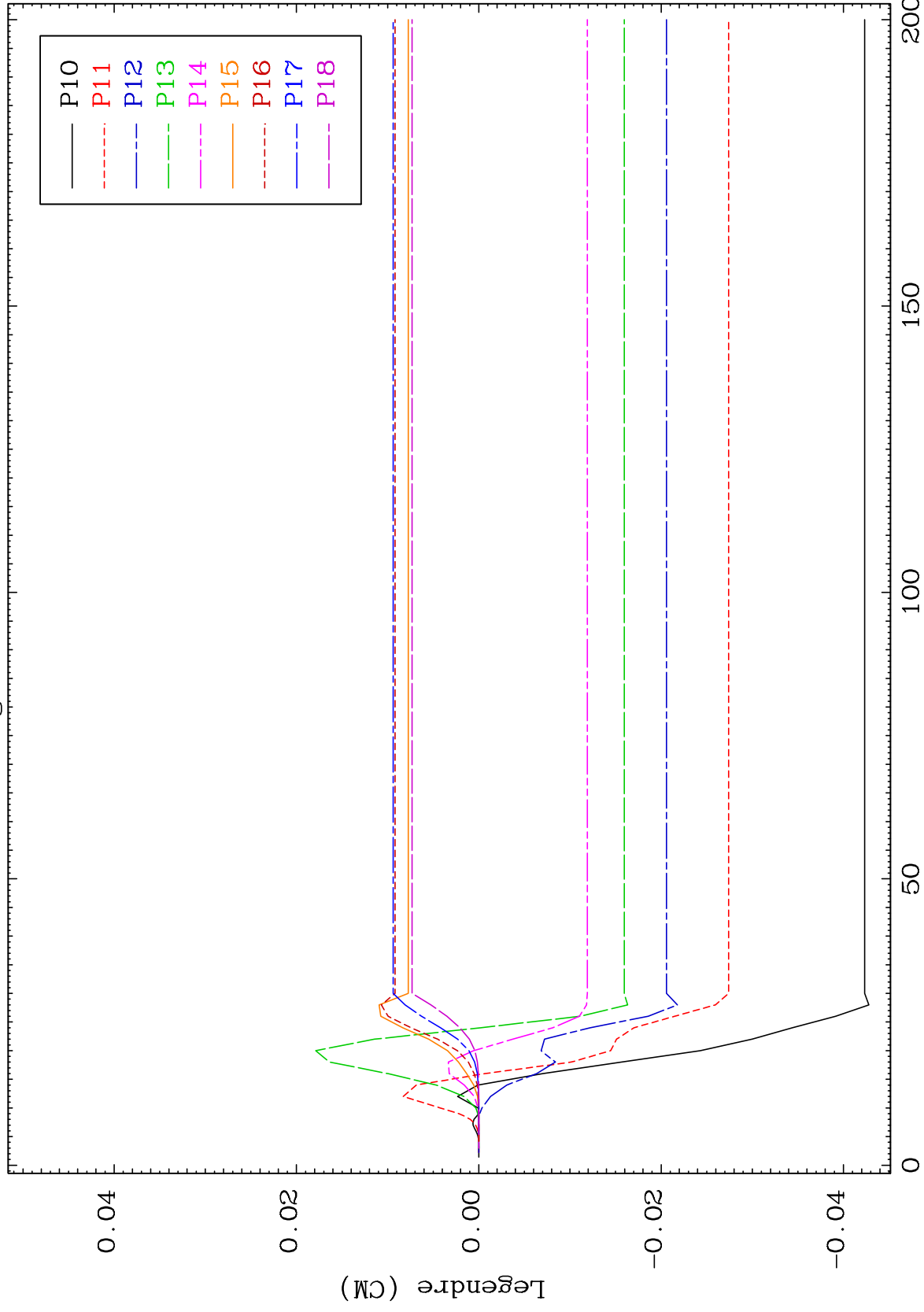




MAT 4152

915.4 keV (n,n') Level
Legendre Coefficients

41-Nb-102



117

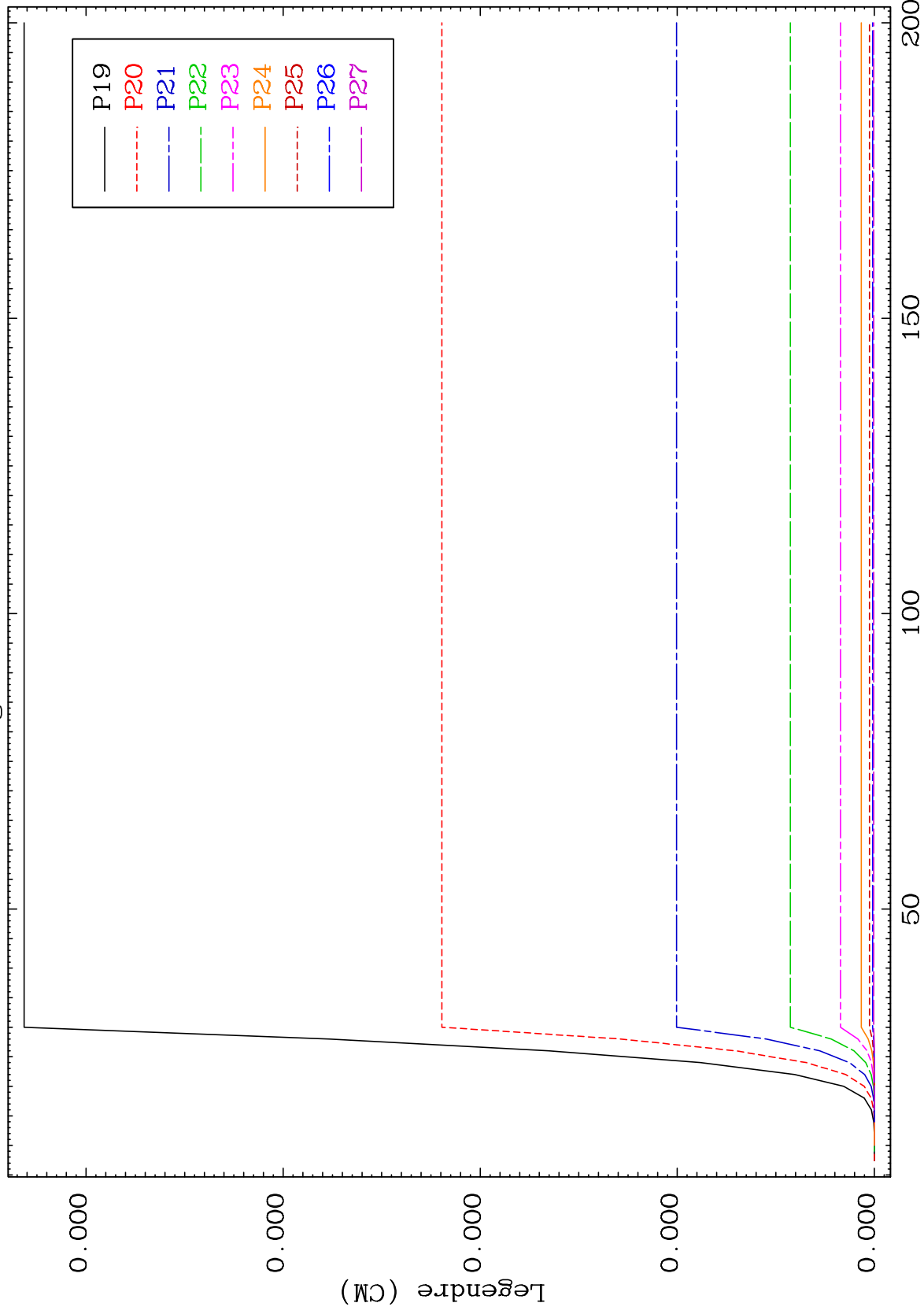
Incident Energy (MeV)

41-Nb-102

MAT 4152

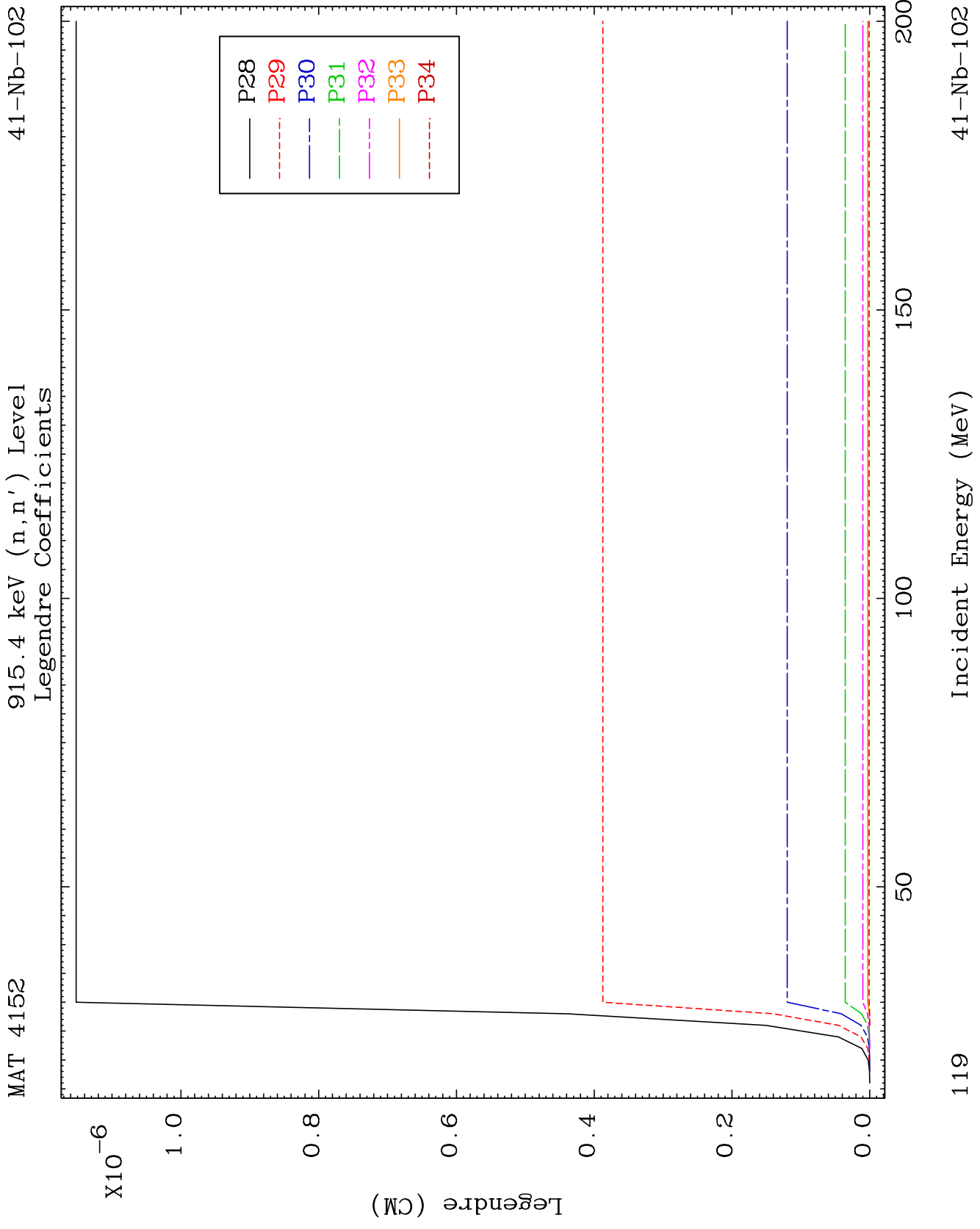
915.4 keV (n, n') Level
Legendre Coefficients

41-Nb-102



118

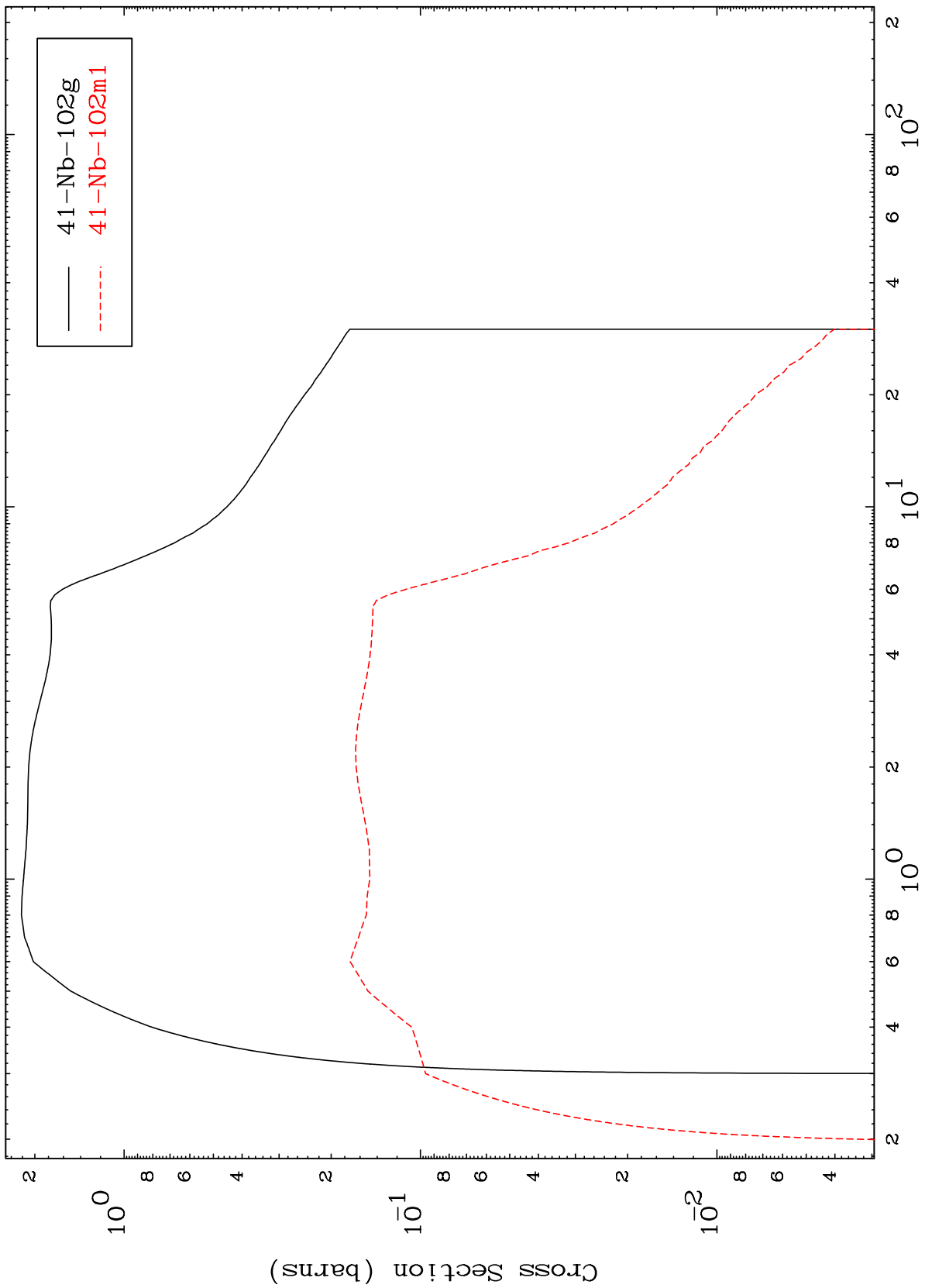
41-Nb-102



MAT 4152

41-Nb-102

Inelastic
Radionuclide Production Cross Section



120

Incident Energy (MeV)

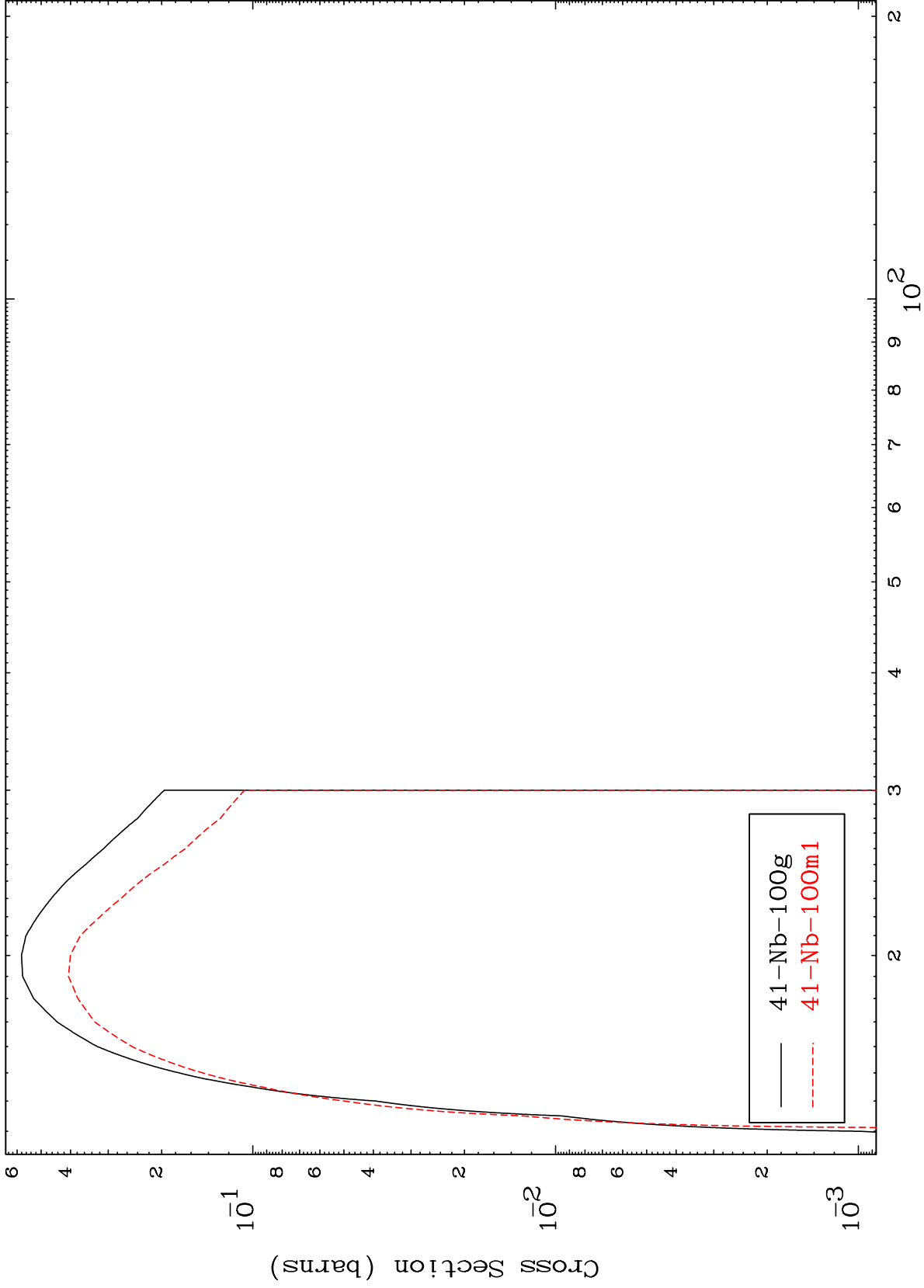
41-Nb-102

MAT 4152

(n,3n)

41-Nb-102

Radionuclide Production Cross Section



121

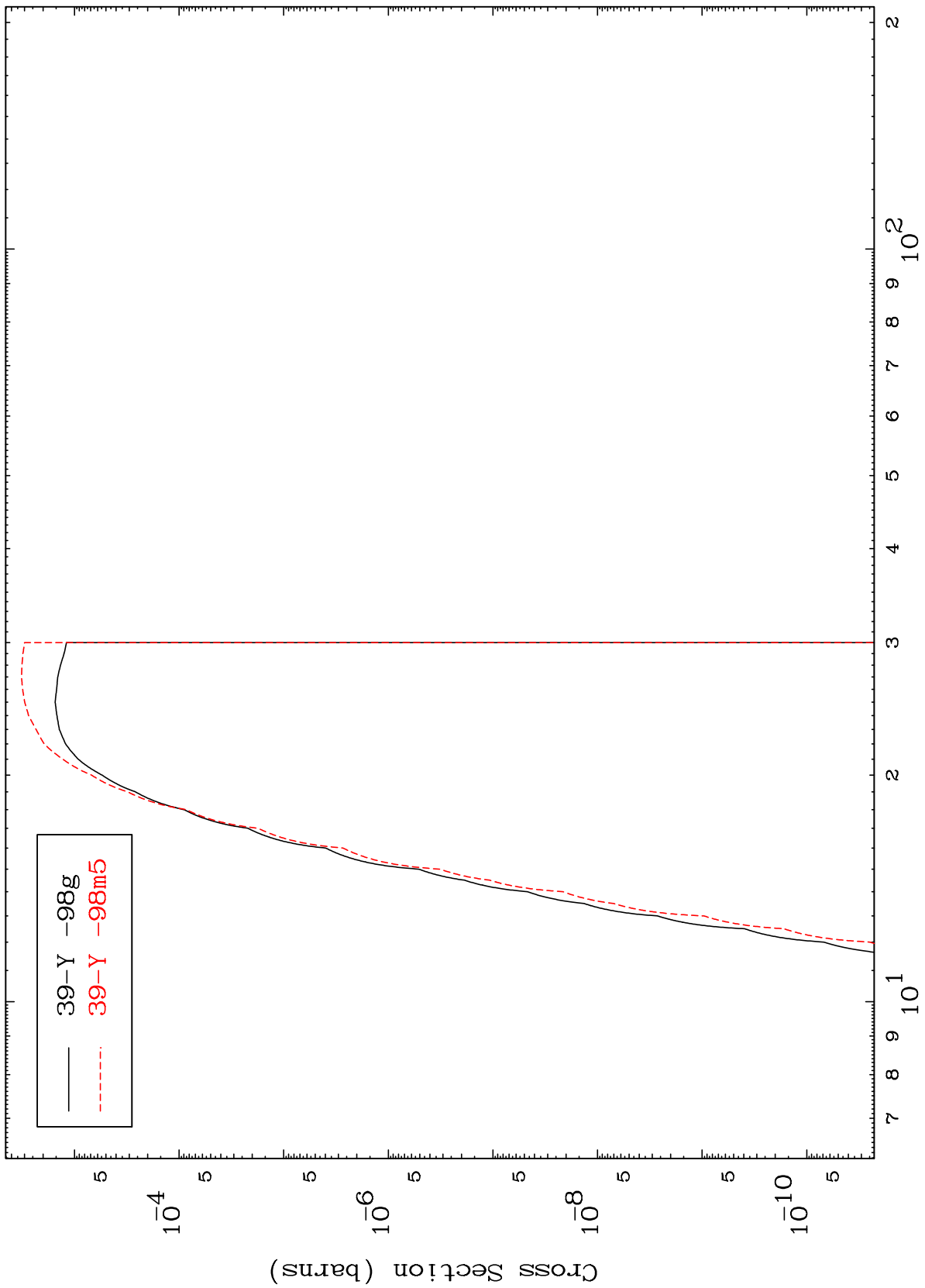
Incident Energy (MeV)

41-Nb-102

MAT 4152

41-Nb-102

$(n, n') \alpha$
Radionuclide Production Cross Section

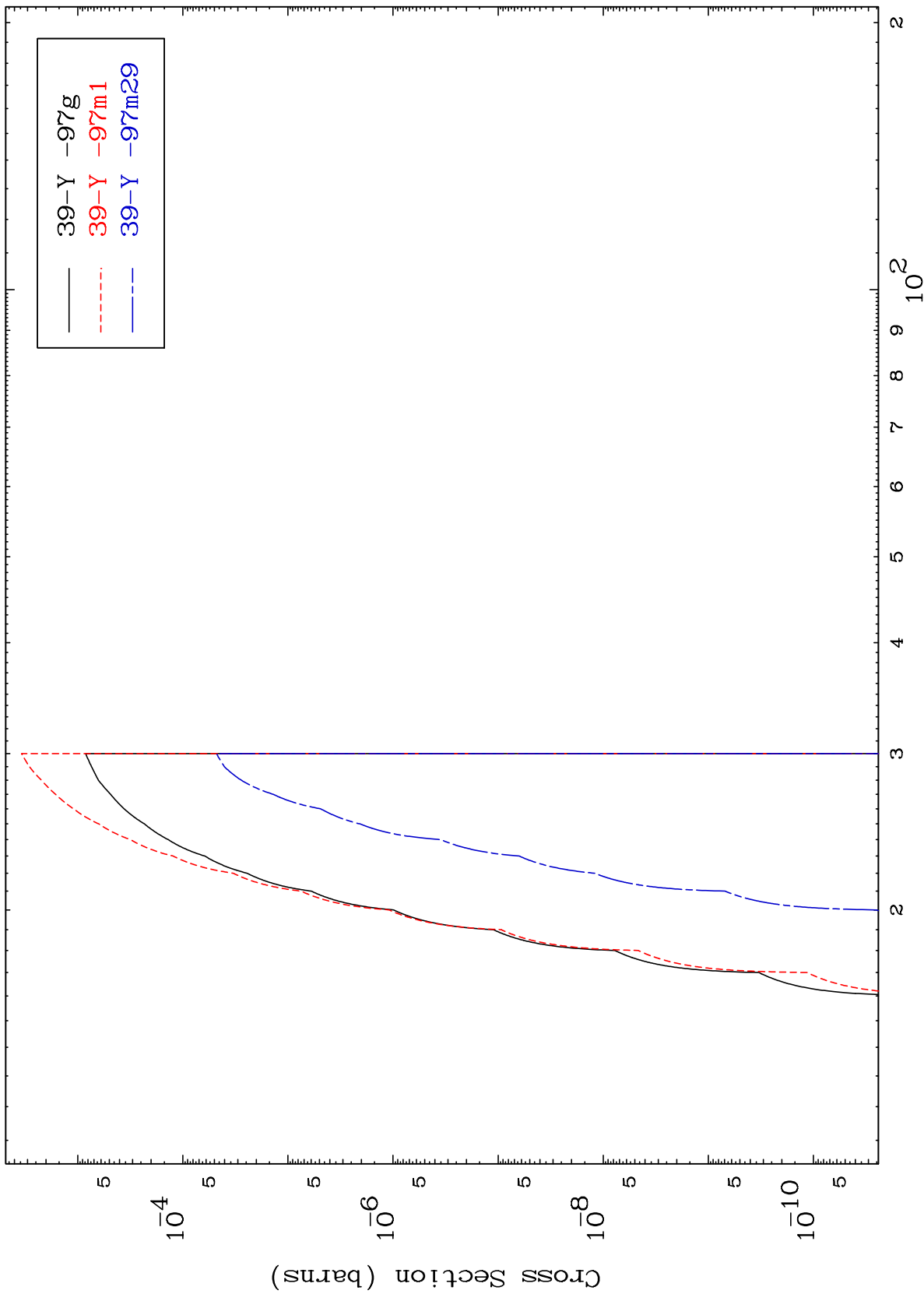


122

Incident Energy (MeV)

41-Nb-102

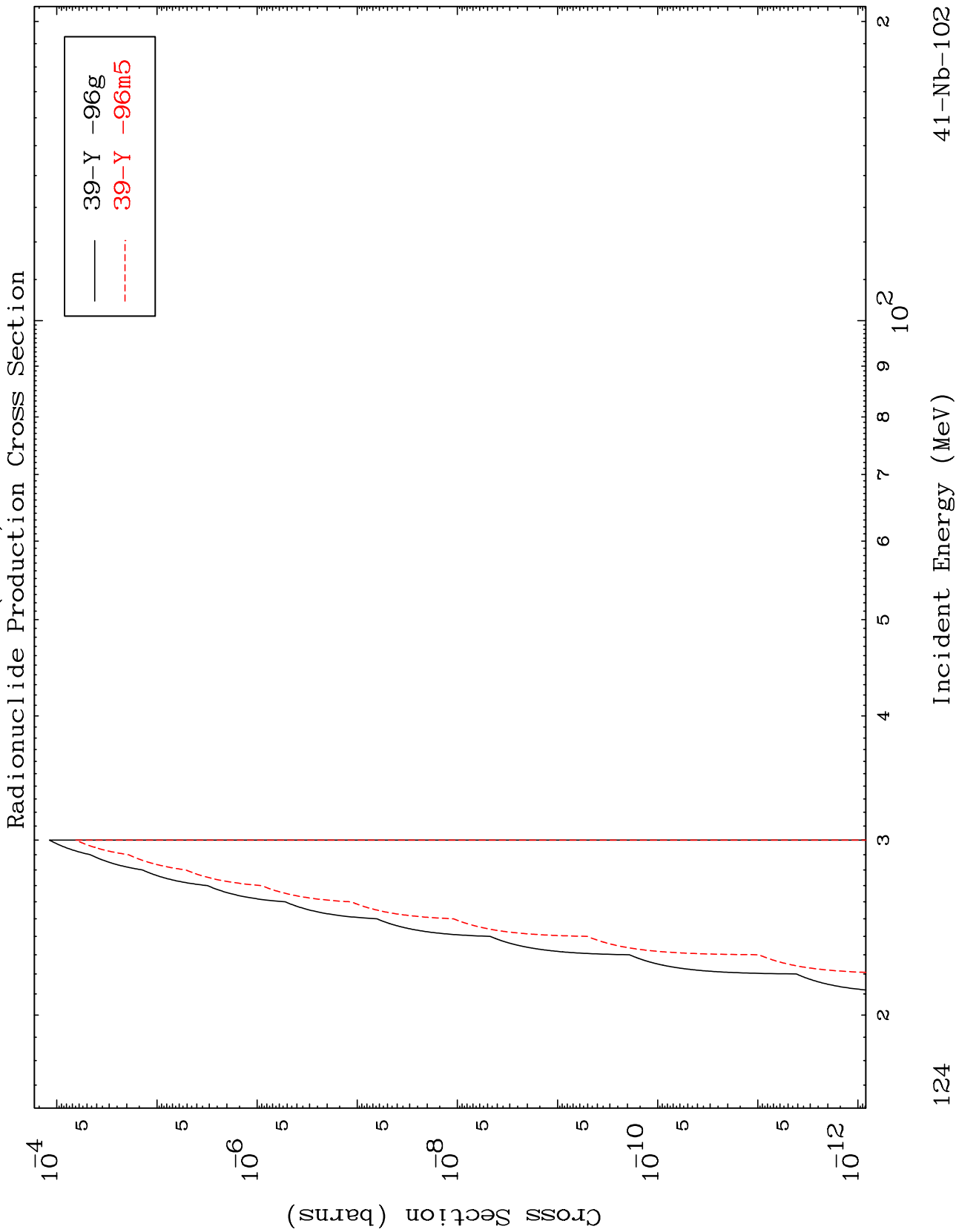
Radionuclide Production Cross Section



MAT 4152

(n,3n) α

41-Nb-102



124

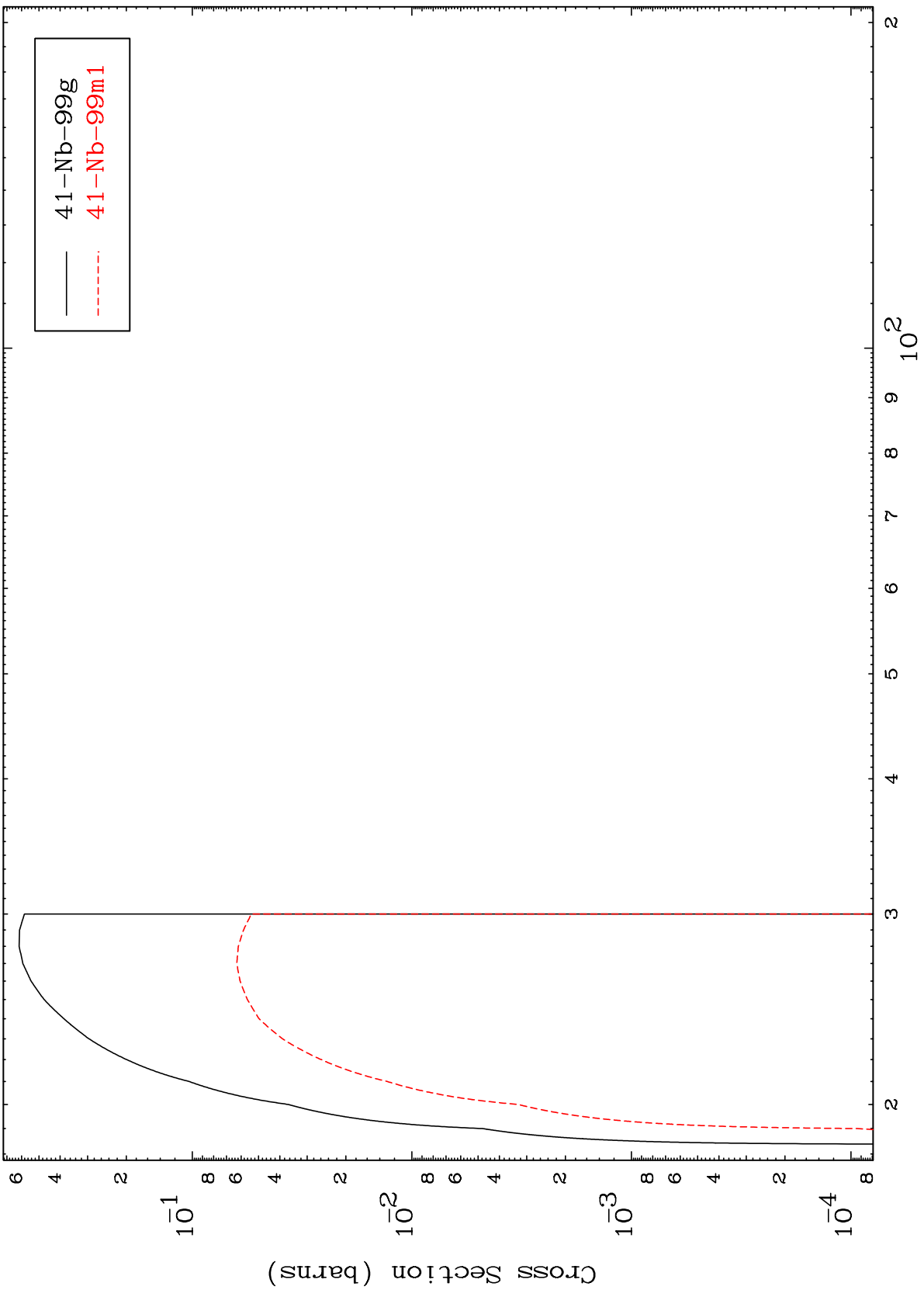
Incident Energy (MeV)

41-Nb-102

MAT 4152

41-Nb-102

(n,4n)
Radionuclide Production Cross Section



125

Incident Energy (MeV)

41-Nb-102

Radionuclide Production Cross Section

