

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

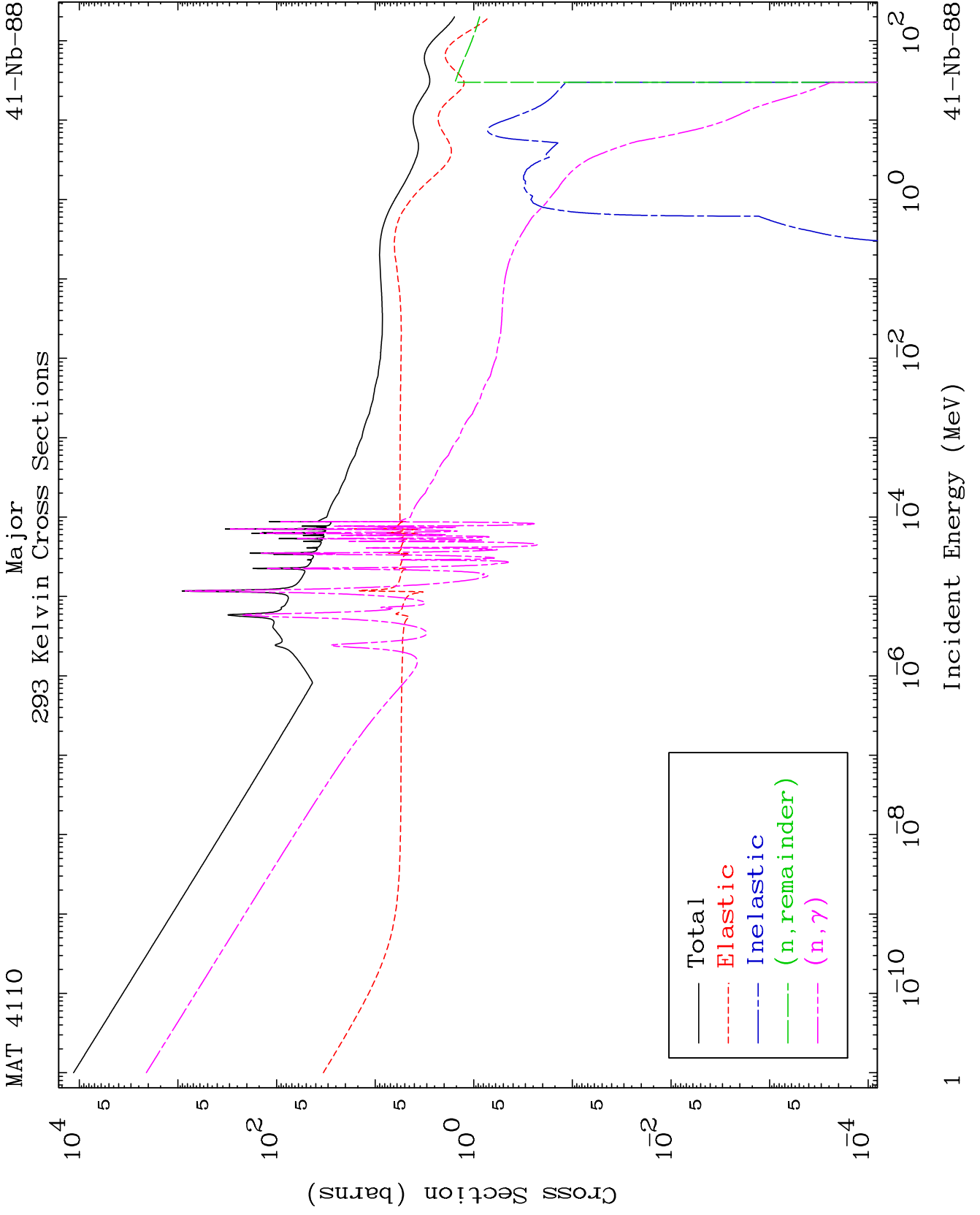
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

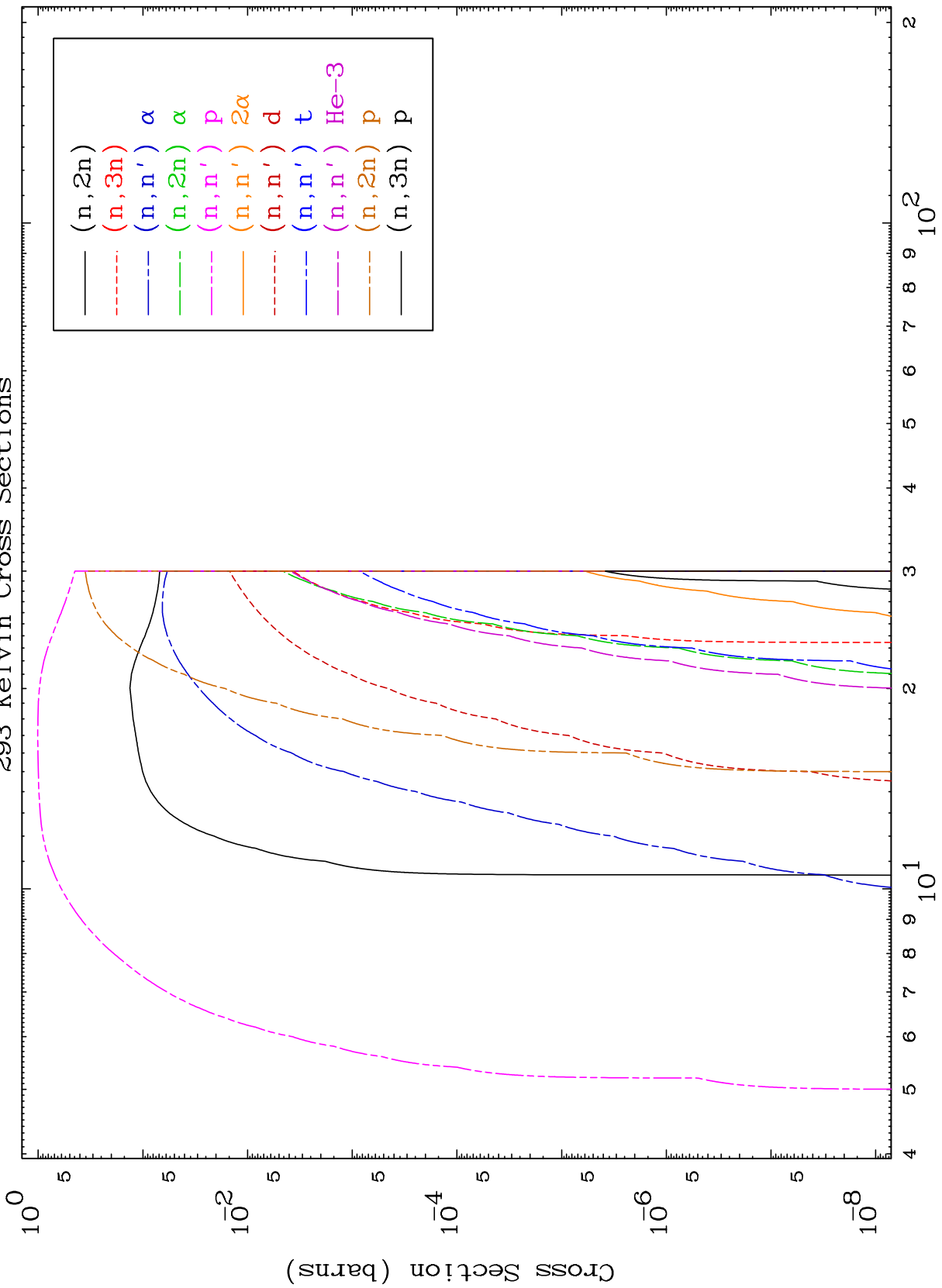
Tele: 925-443-1911

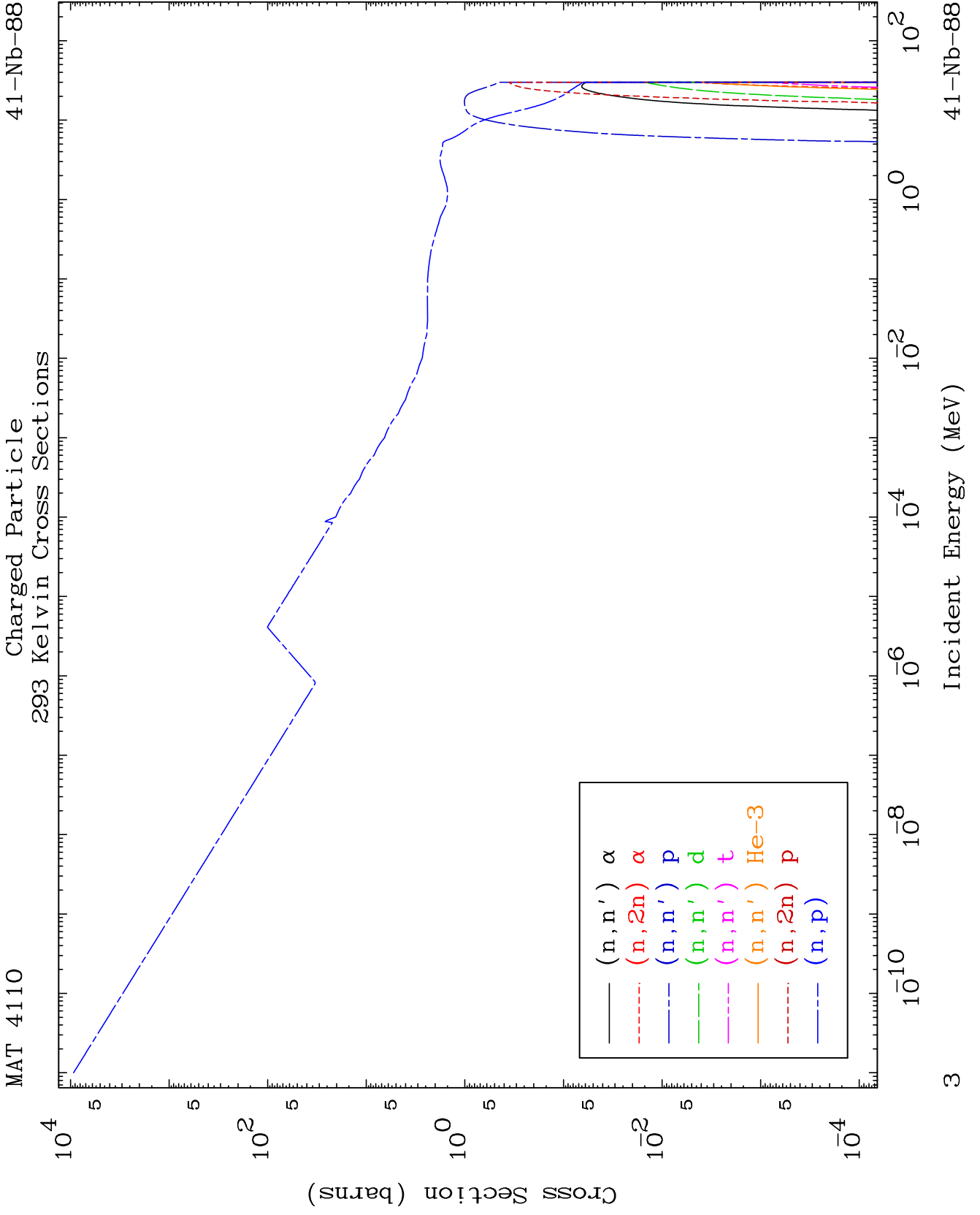
E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start







MAT 4110

293 Kelvin Cross Sections

41-Nb-88

10⁴

10²

10⁰

10⁻²

10⁻⁴

Cross Section (barns)

10⁻¹⁰

10⁻⁸

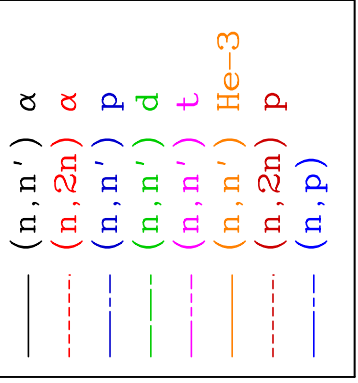
10⁻⁶

10⁻⁴

10⁻²

10⁰

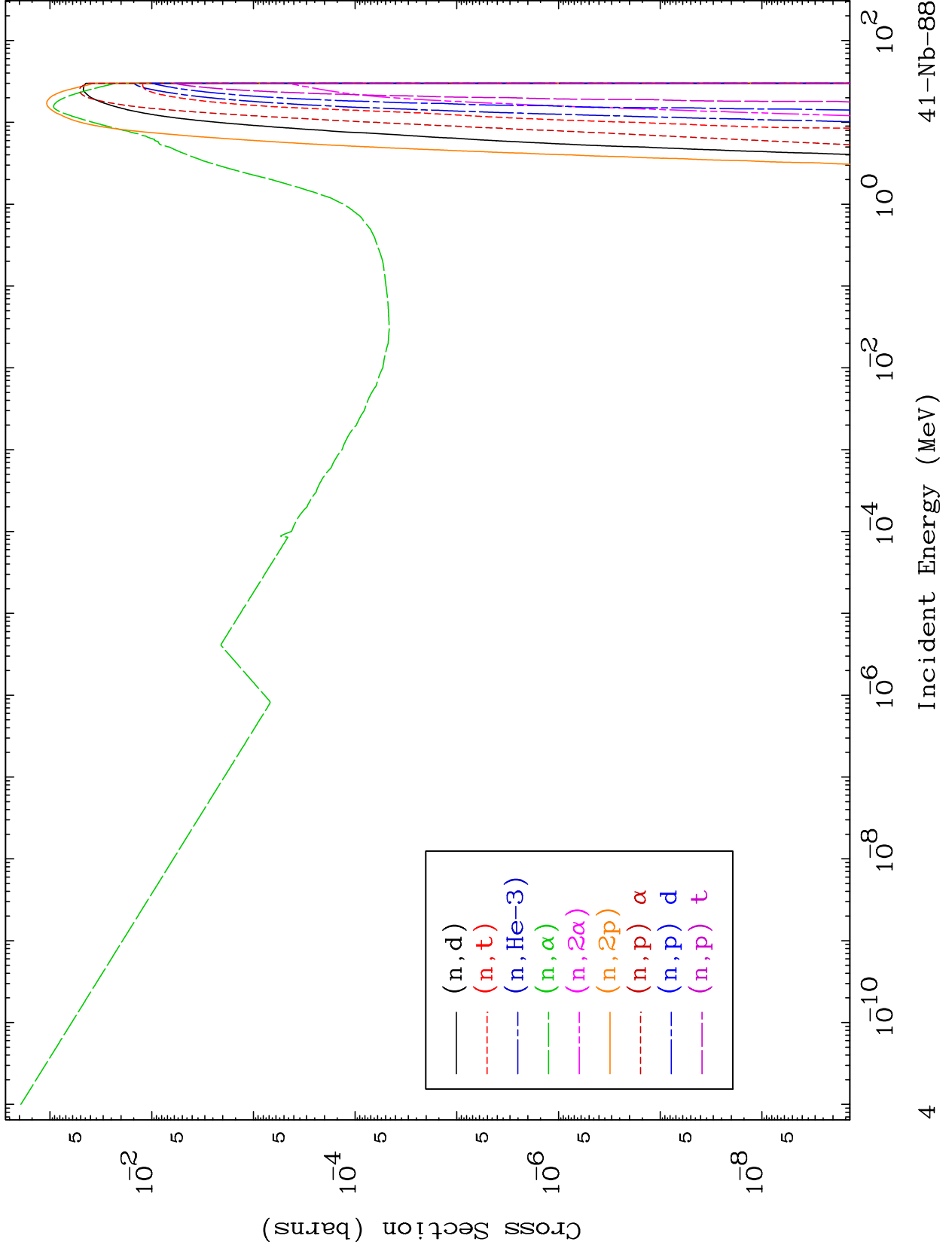
10²



MAT 4110

Charged Particle
293 Kelvin Cross Sections

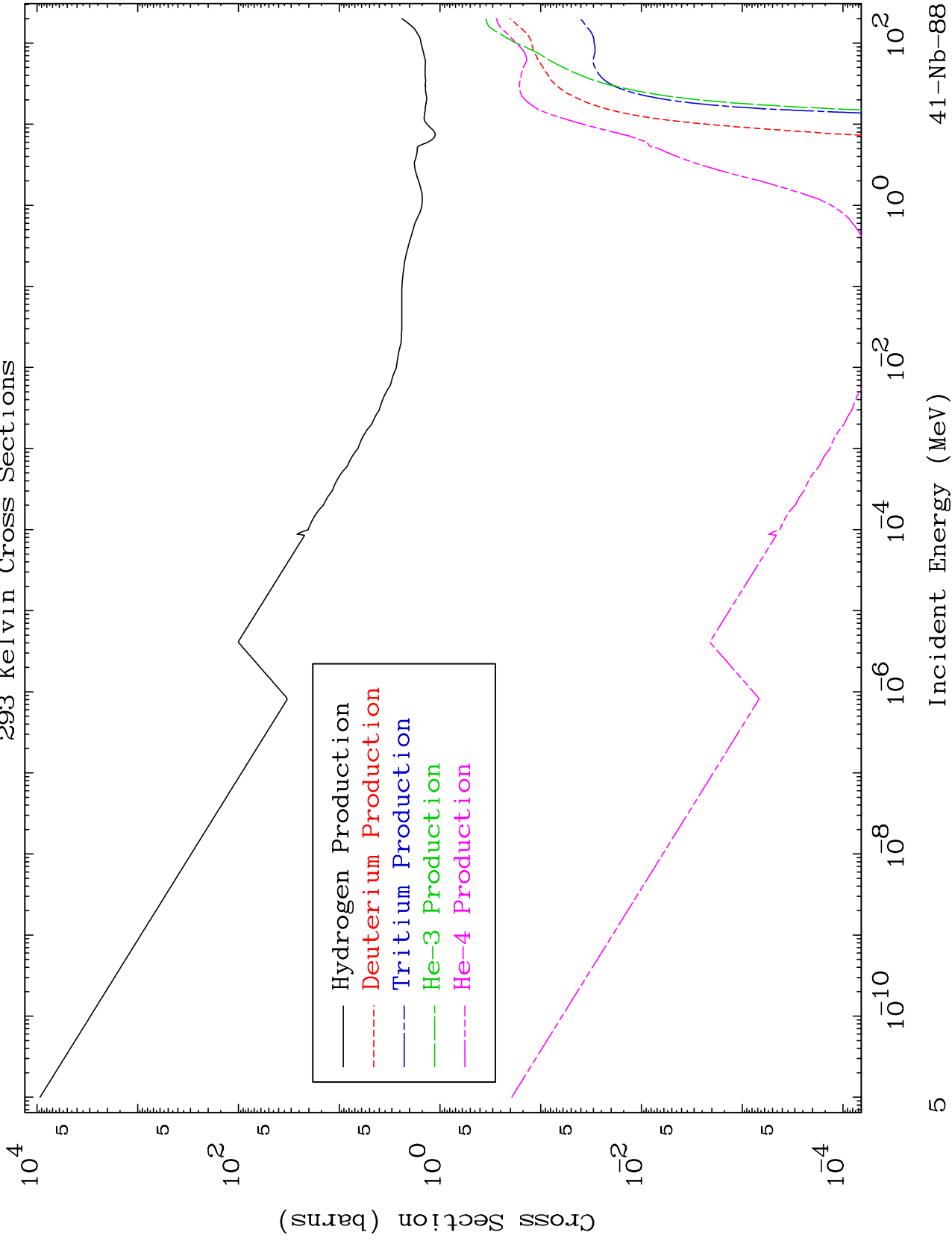
41-Nb-88



MAT 4110

Particle Production
293 Kelvin Cross Sections

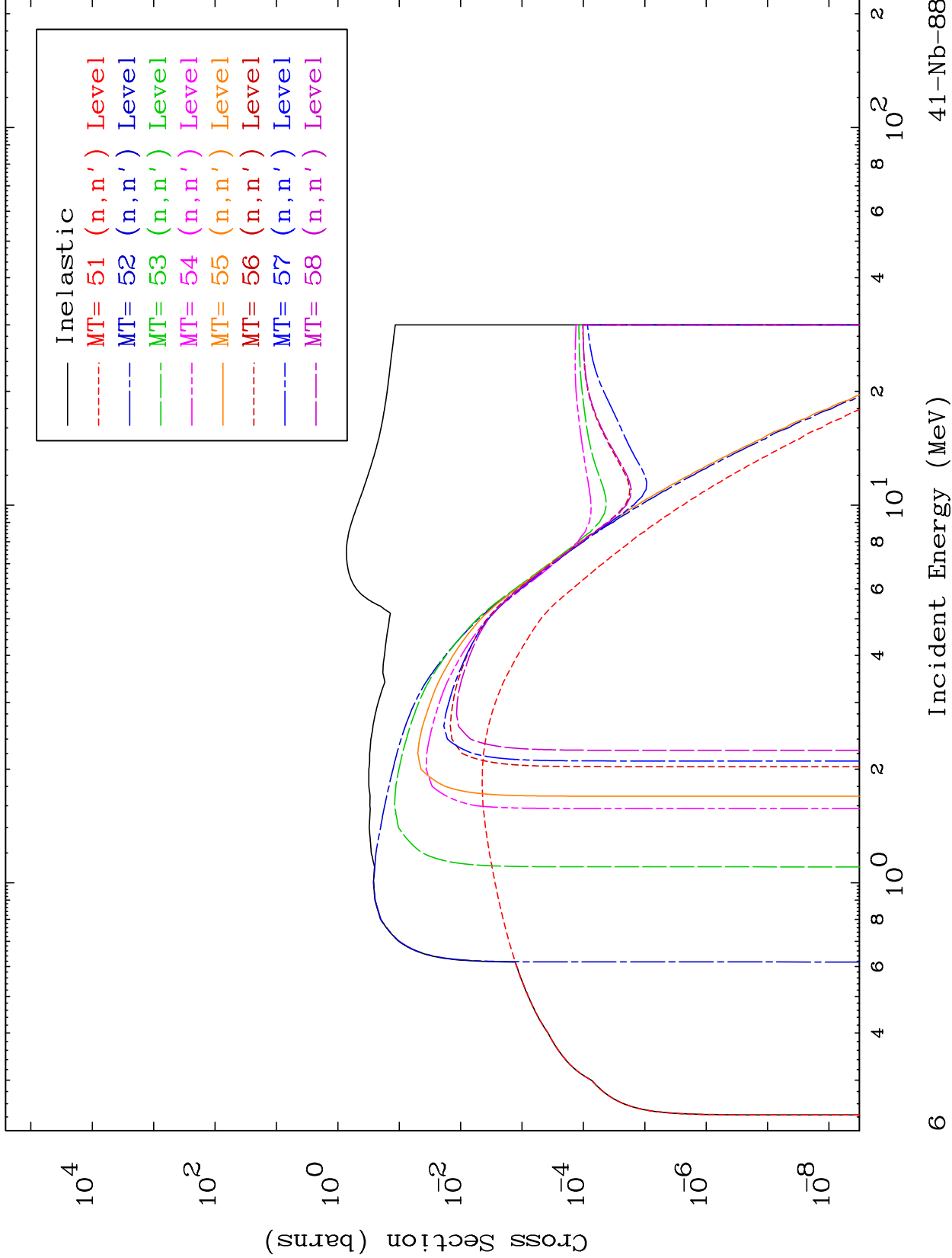
41-Nb-88



MAT 4110

(n,n') Level
293 Kelvin Cross Sections

41-Nb-88

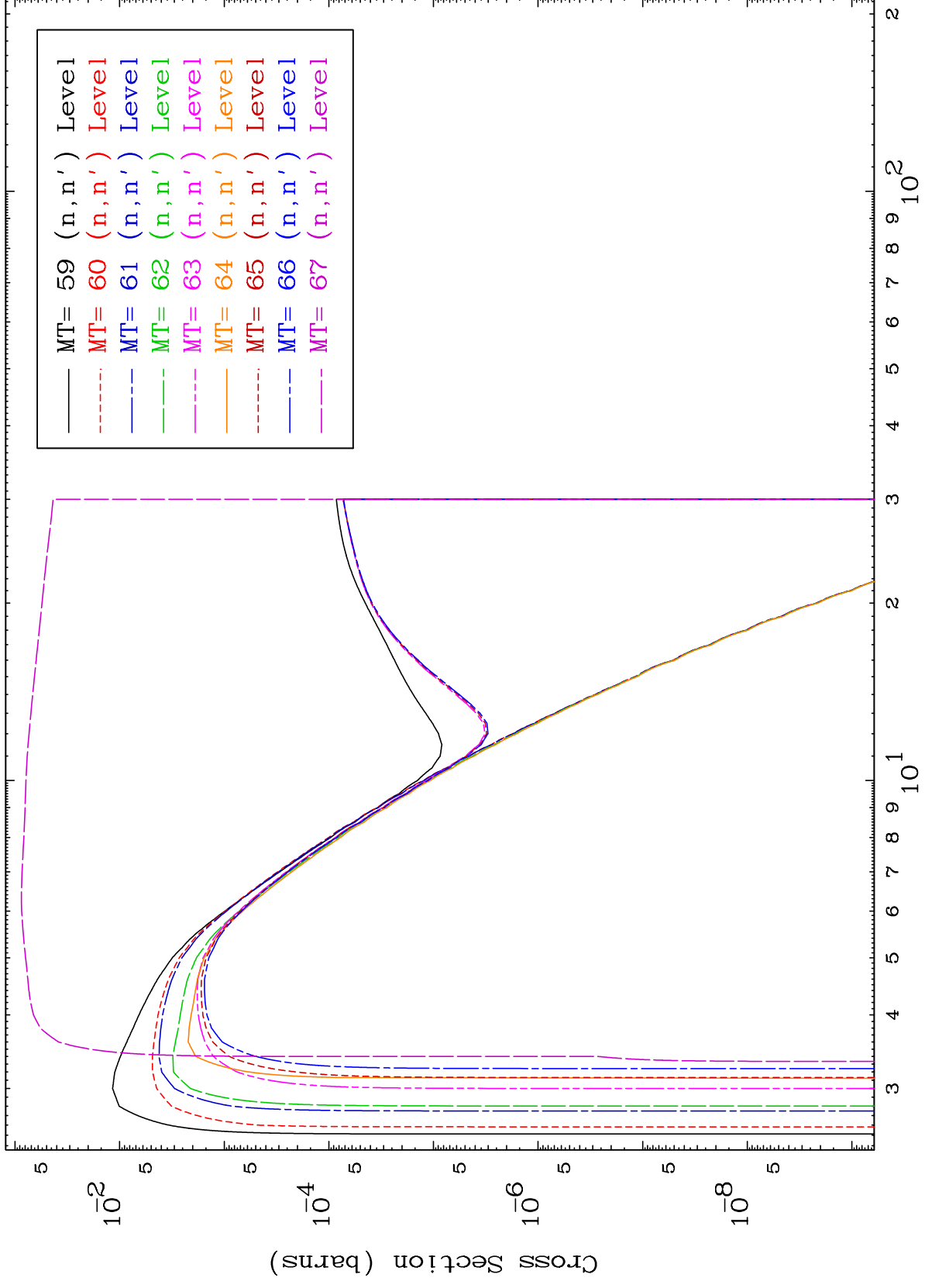


MAT 4110

(n,n') Level

41-Nb-88

293 Kelvin Cross Sections

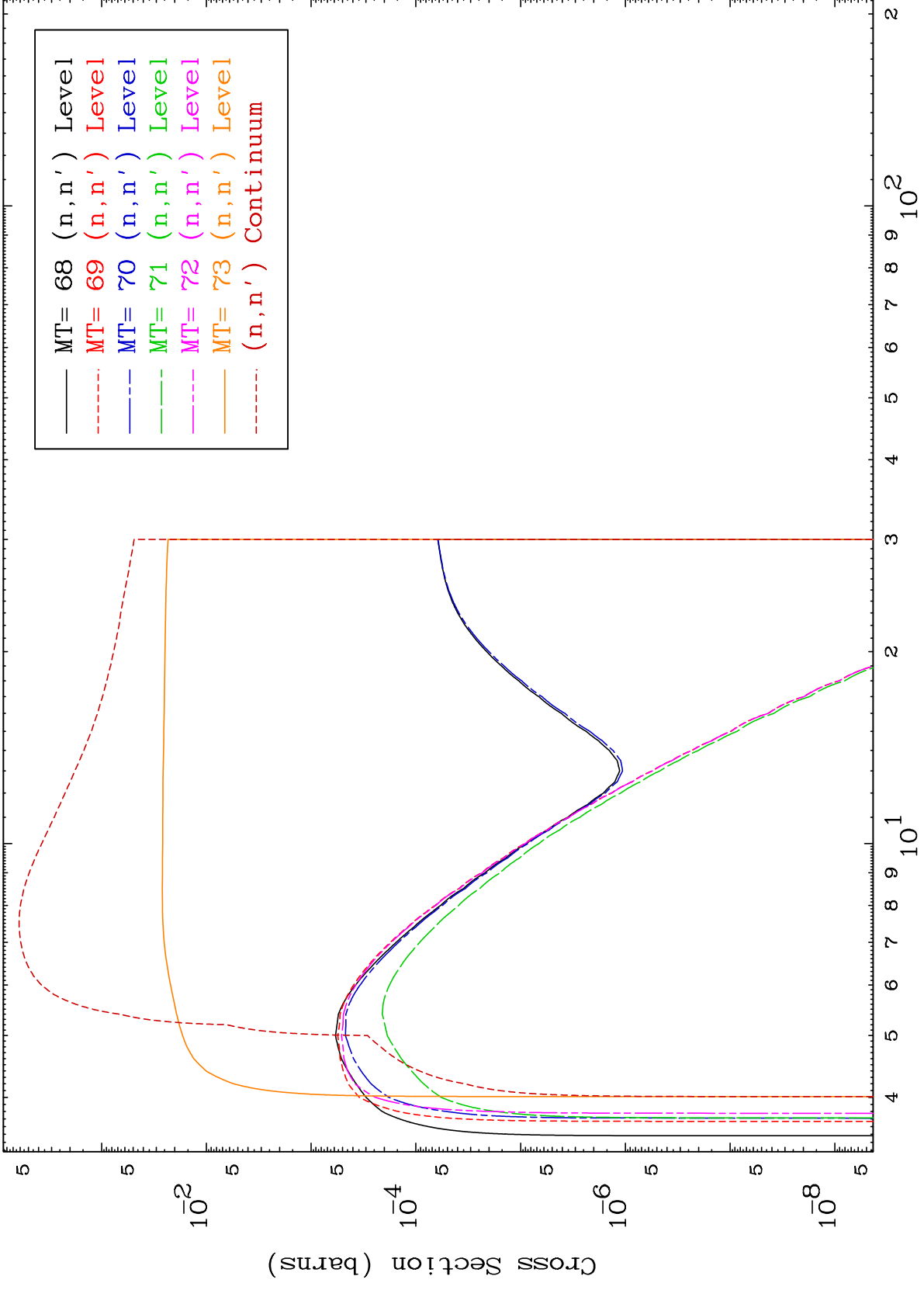


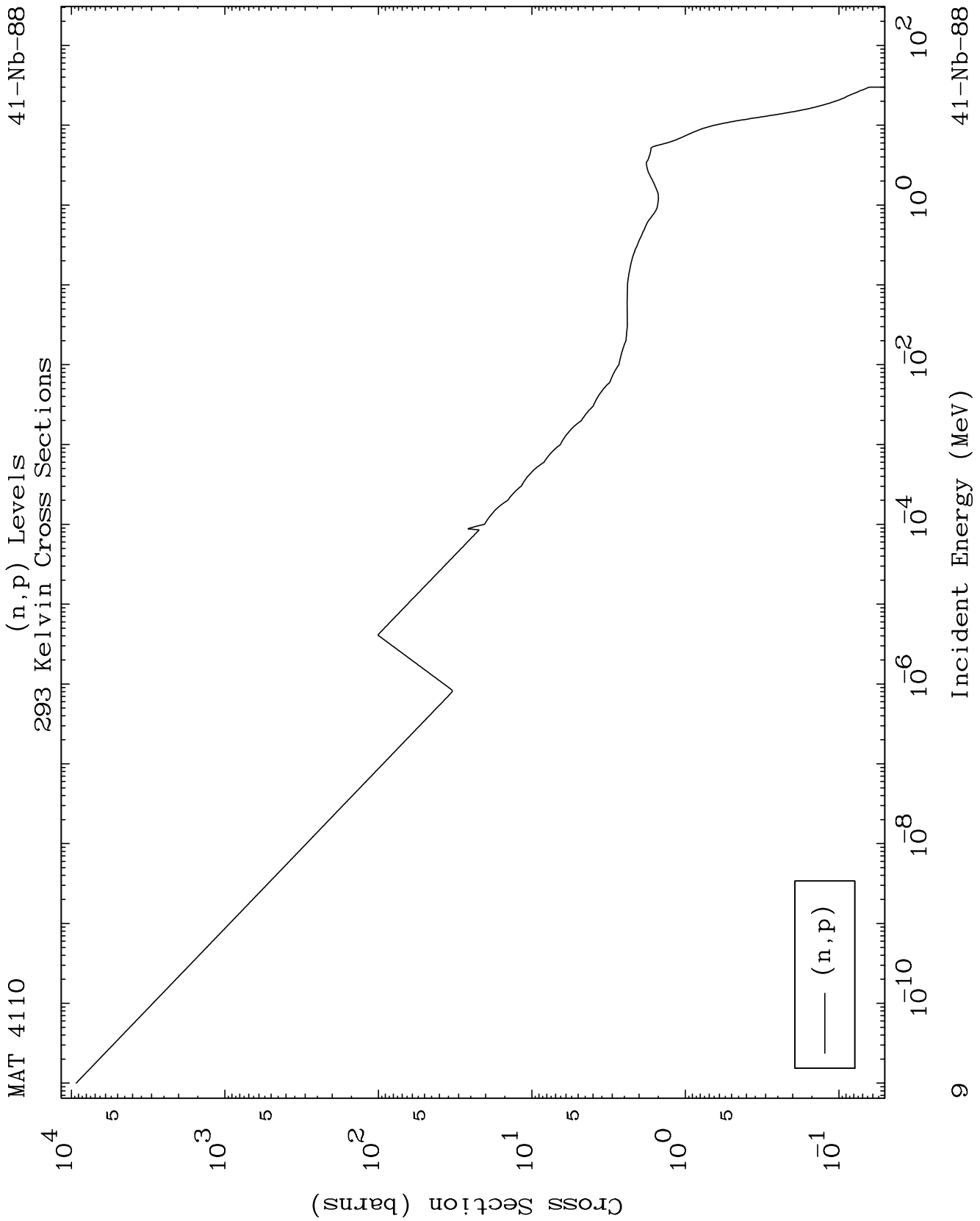
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Incident Energy (MeV)

41-Nb-88

293 Kelvin Cross Sections

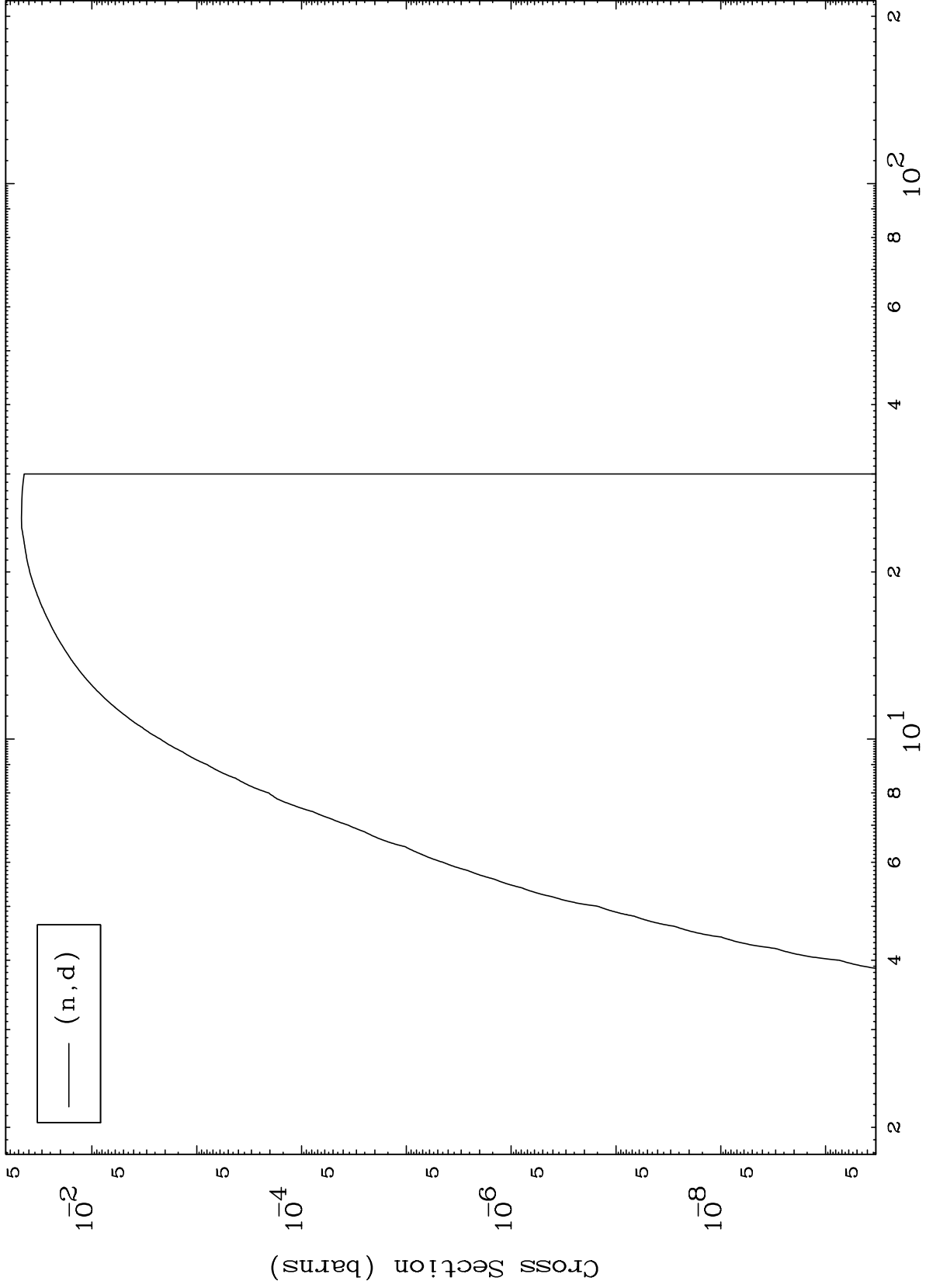




MAT 4110

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-88



41-Nb-88

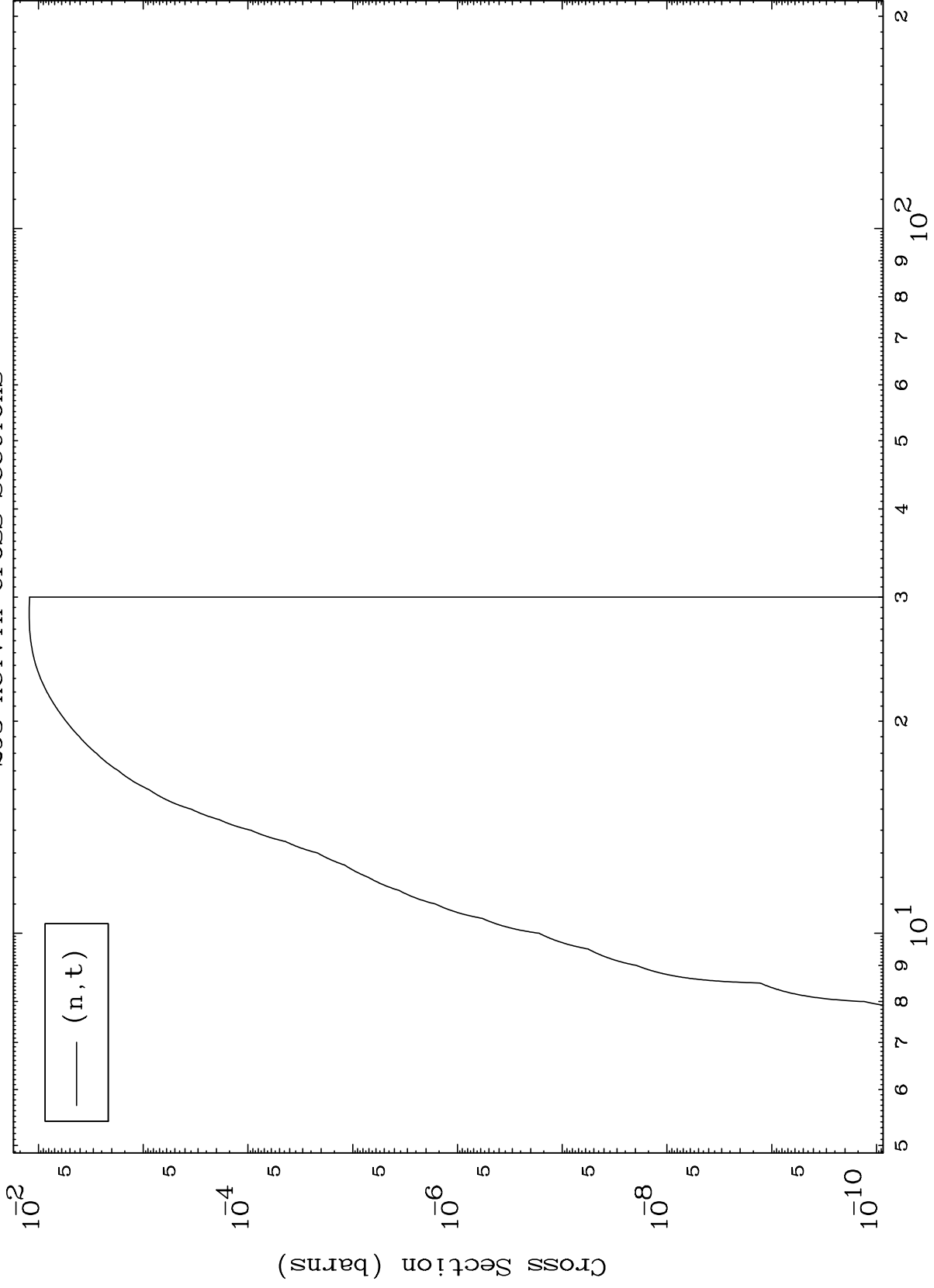
Incident Energy (MeV)

10

MAT 4110

(n,t) Levels
293 Kelvin Cross Sections

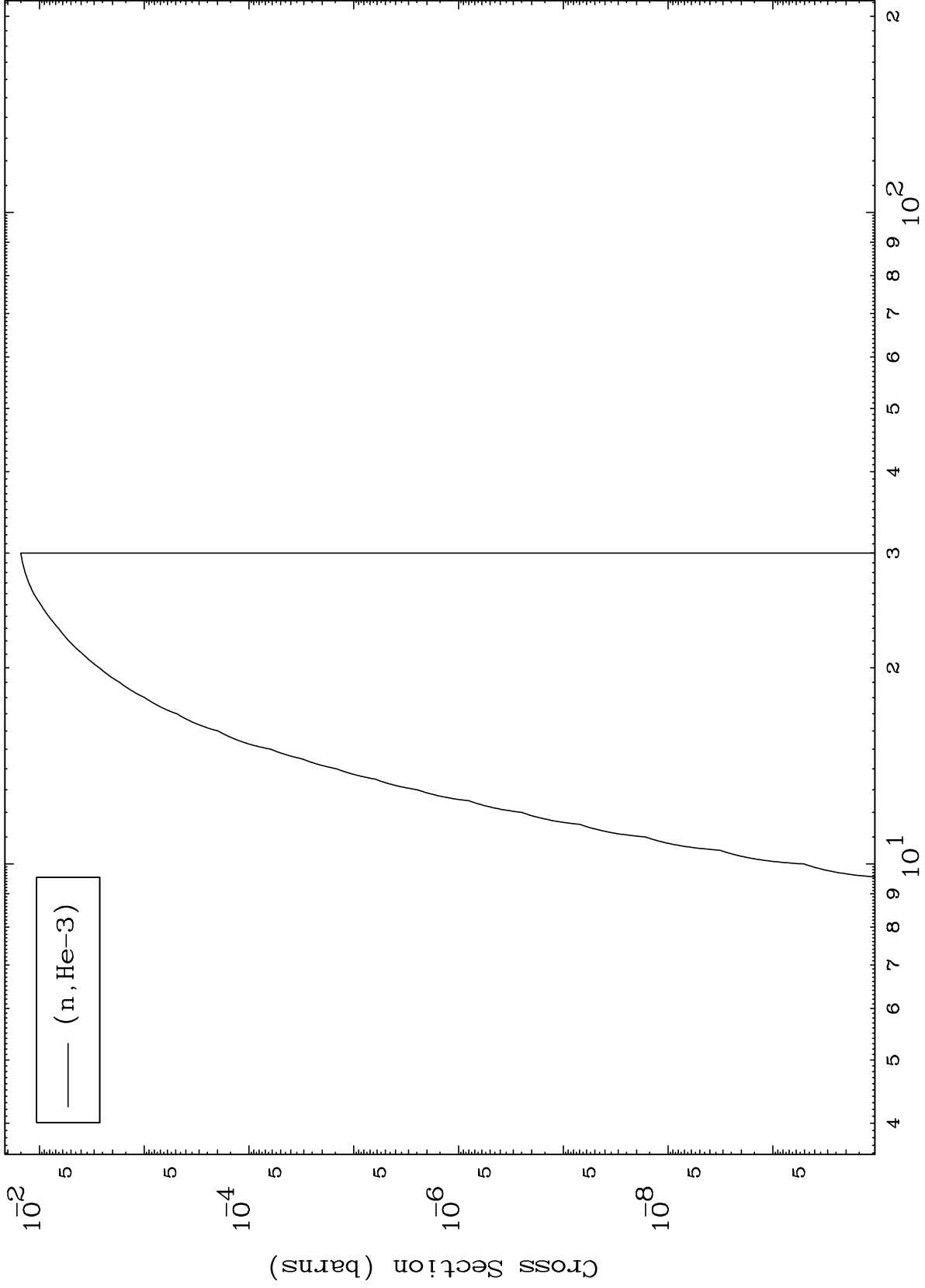
41-Nb-88



MAT 4110

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-88



12

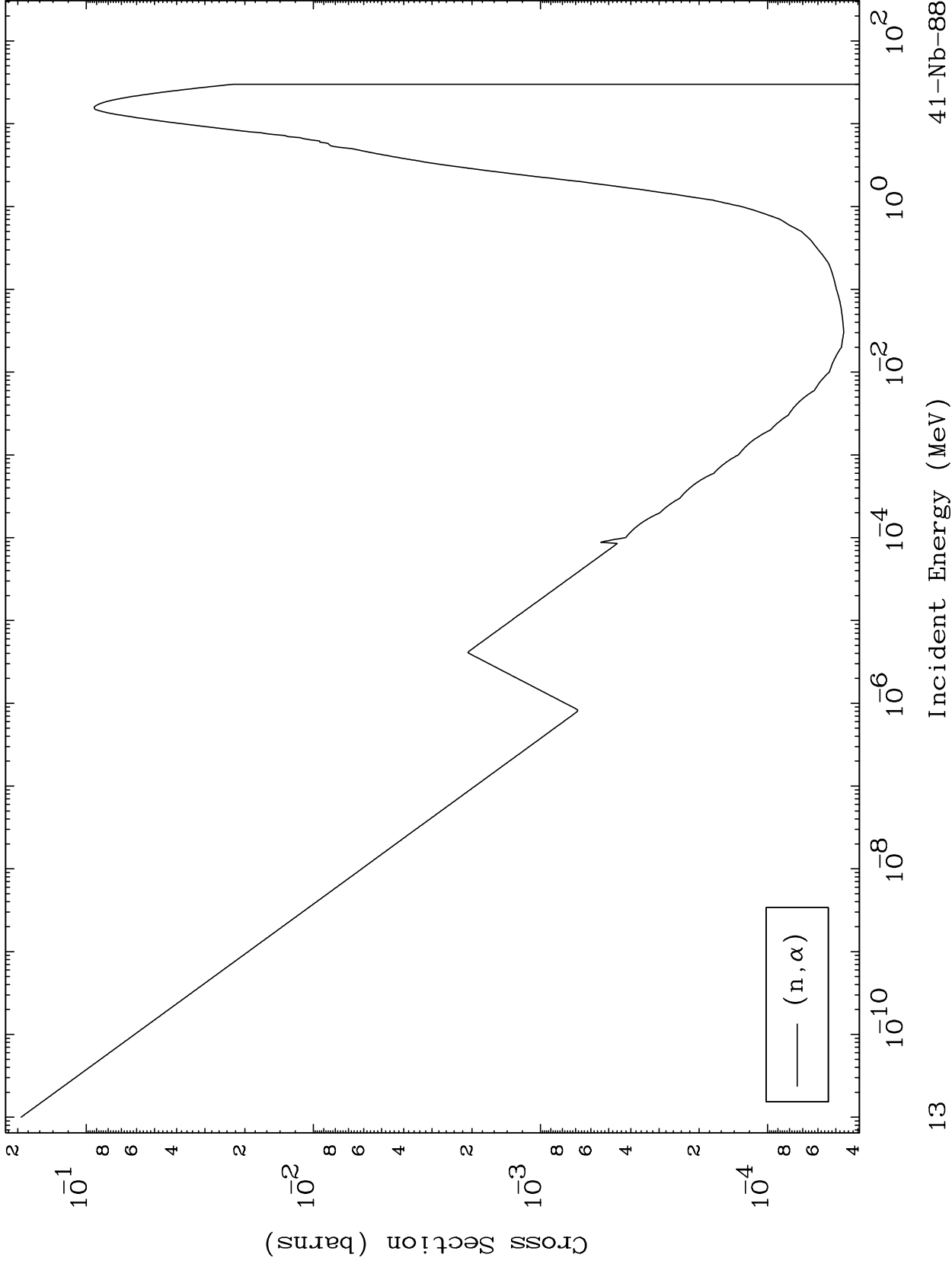
Incident Energy (MeV)

41-Nb-88

MAT 4110

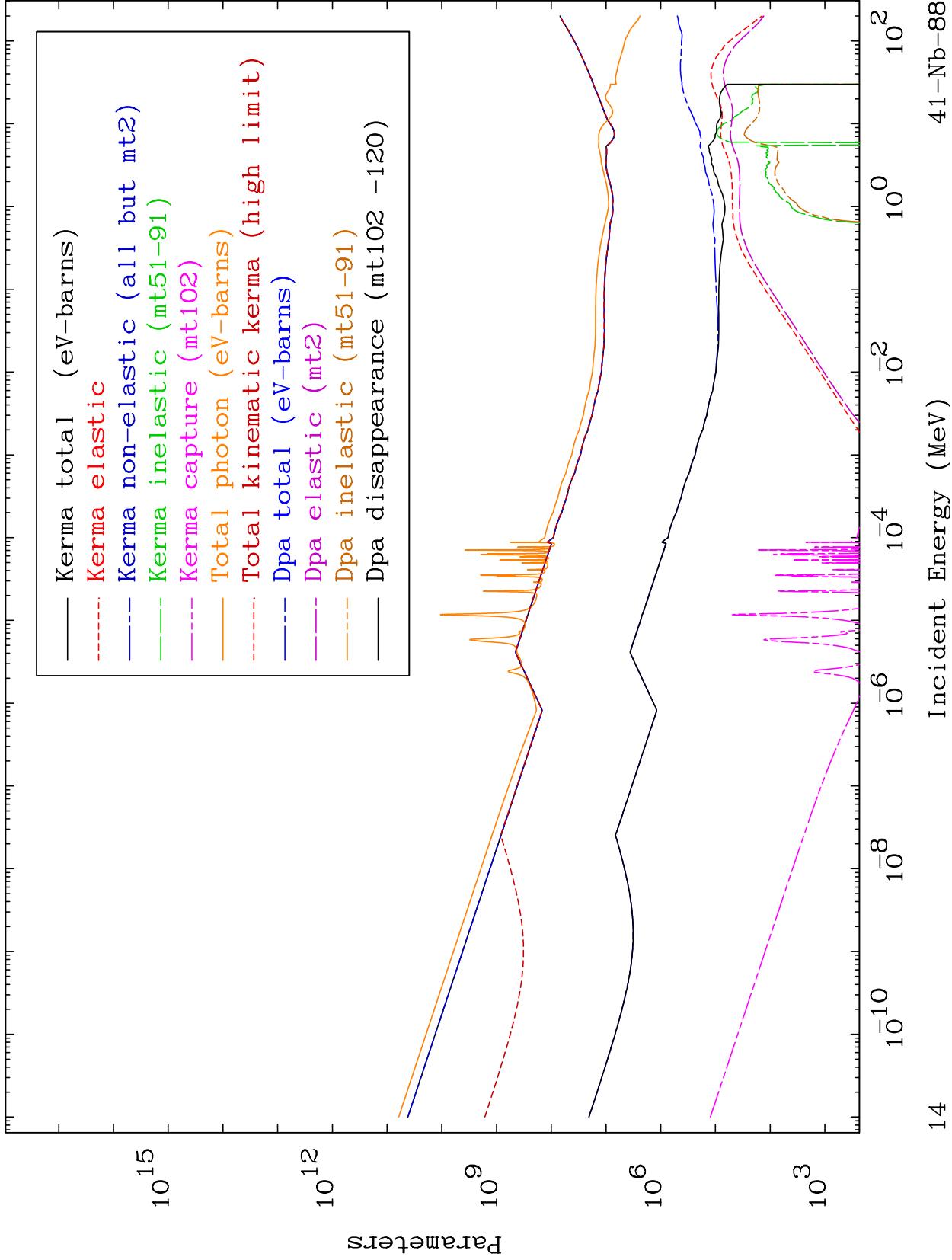
(n, α) Levels
293 Kelvin Cross Sections

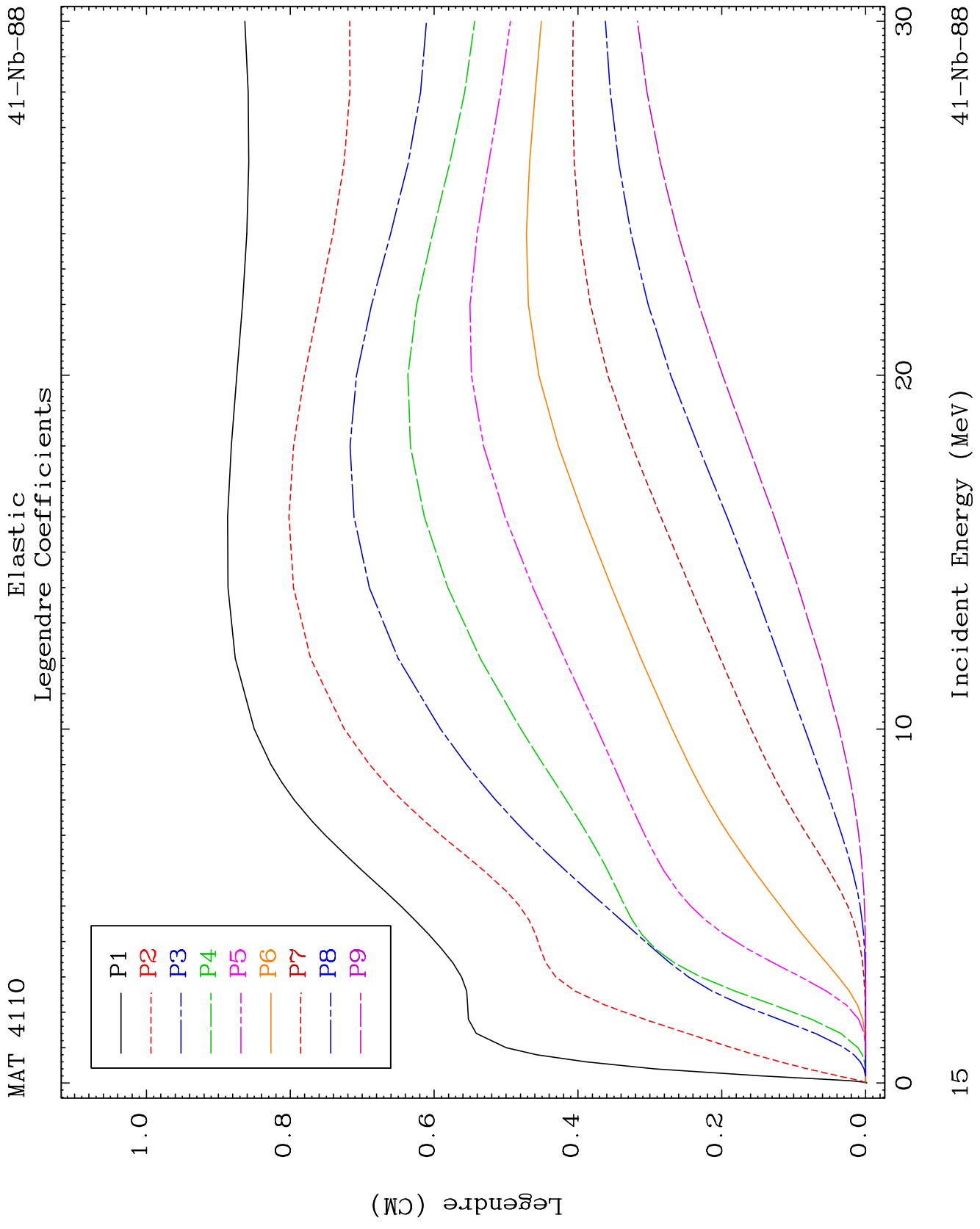
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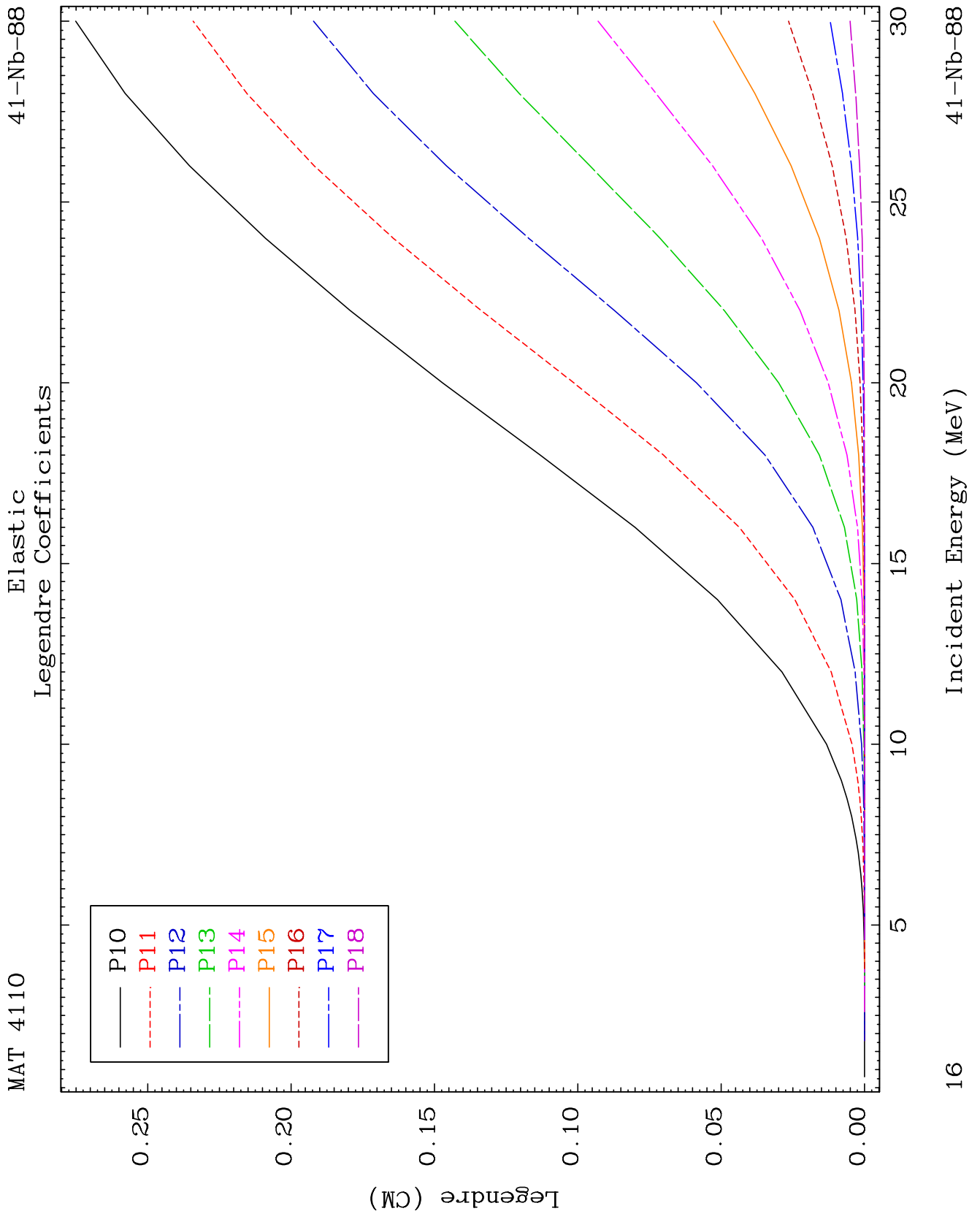


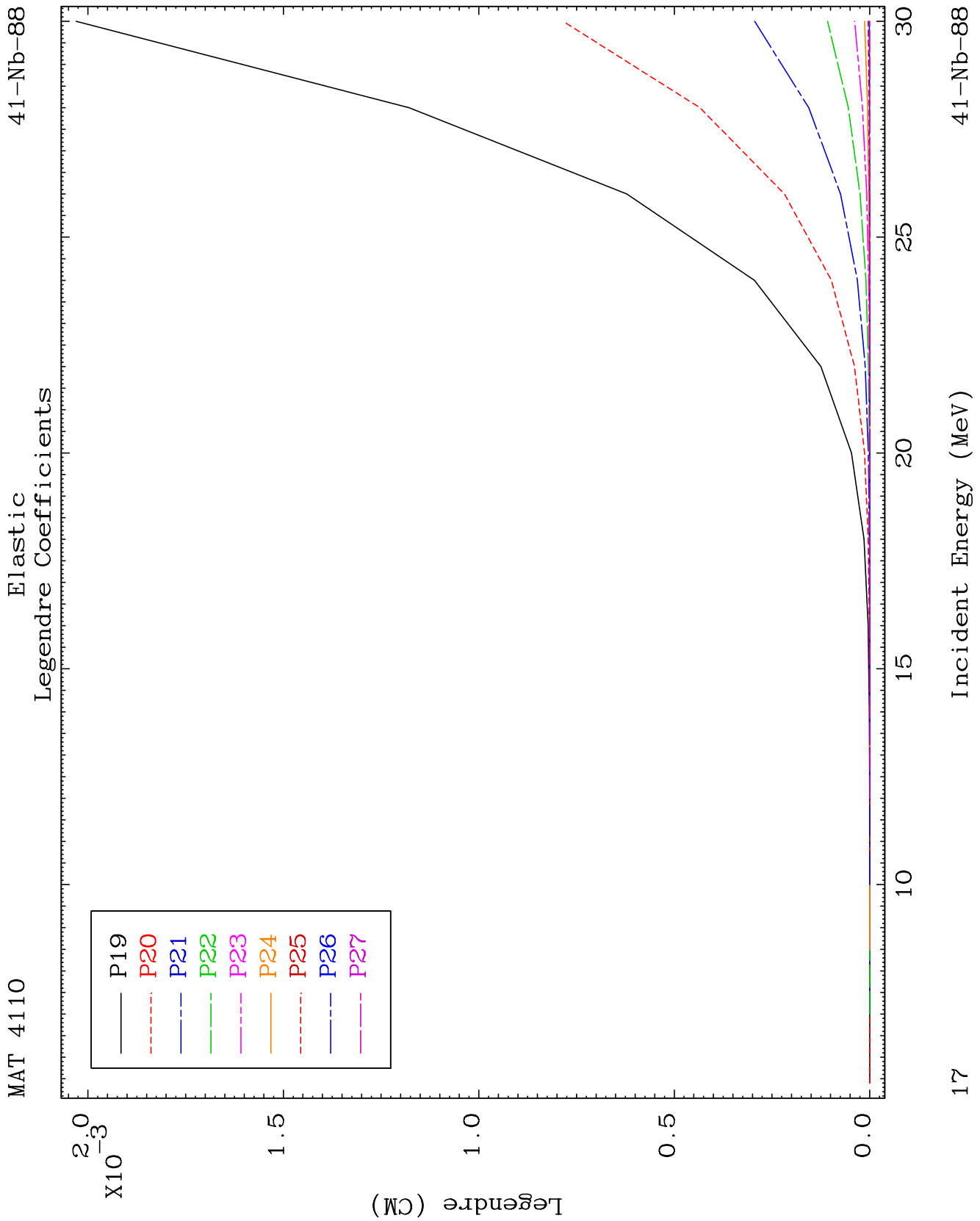
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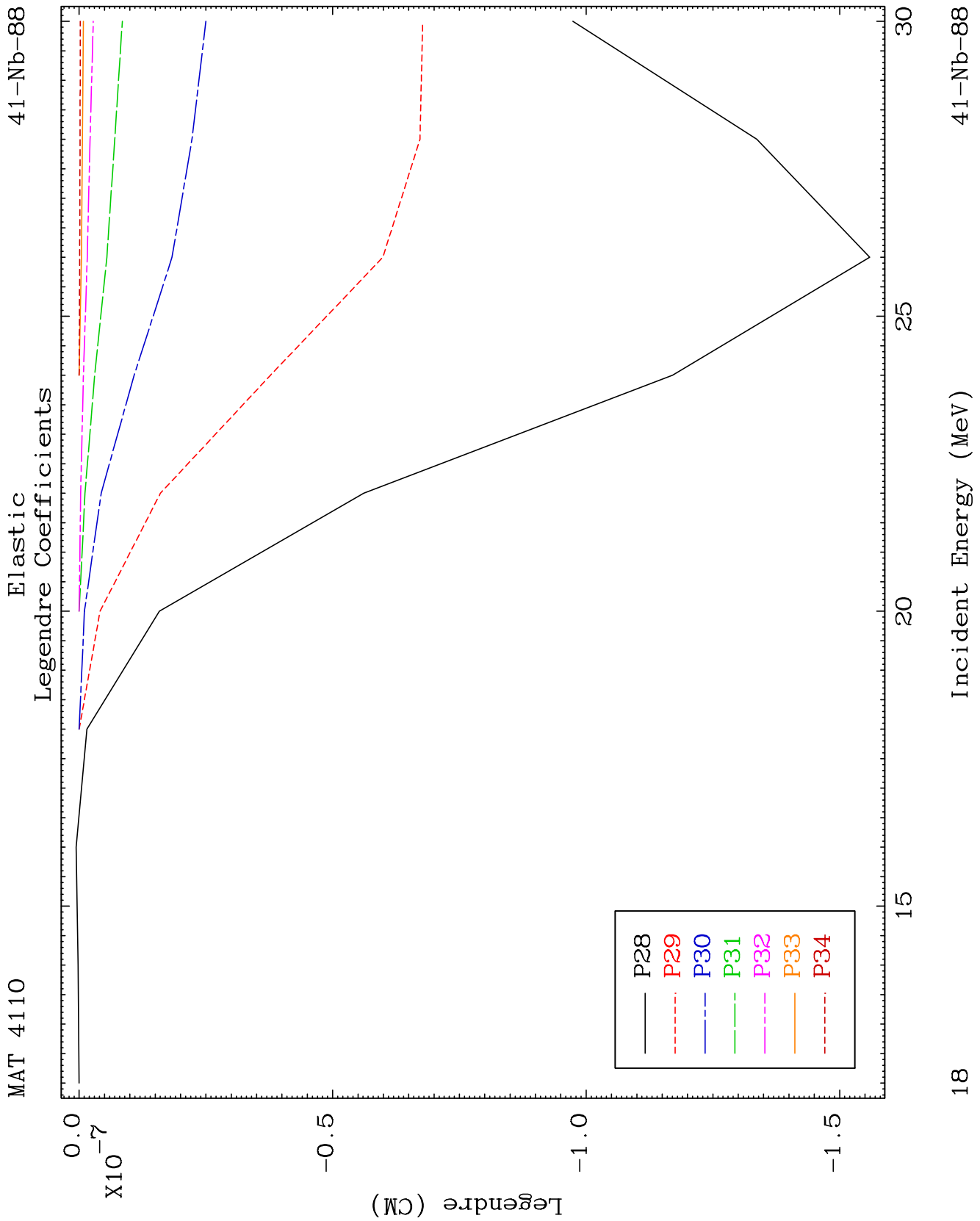
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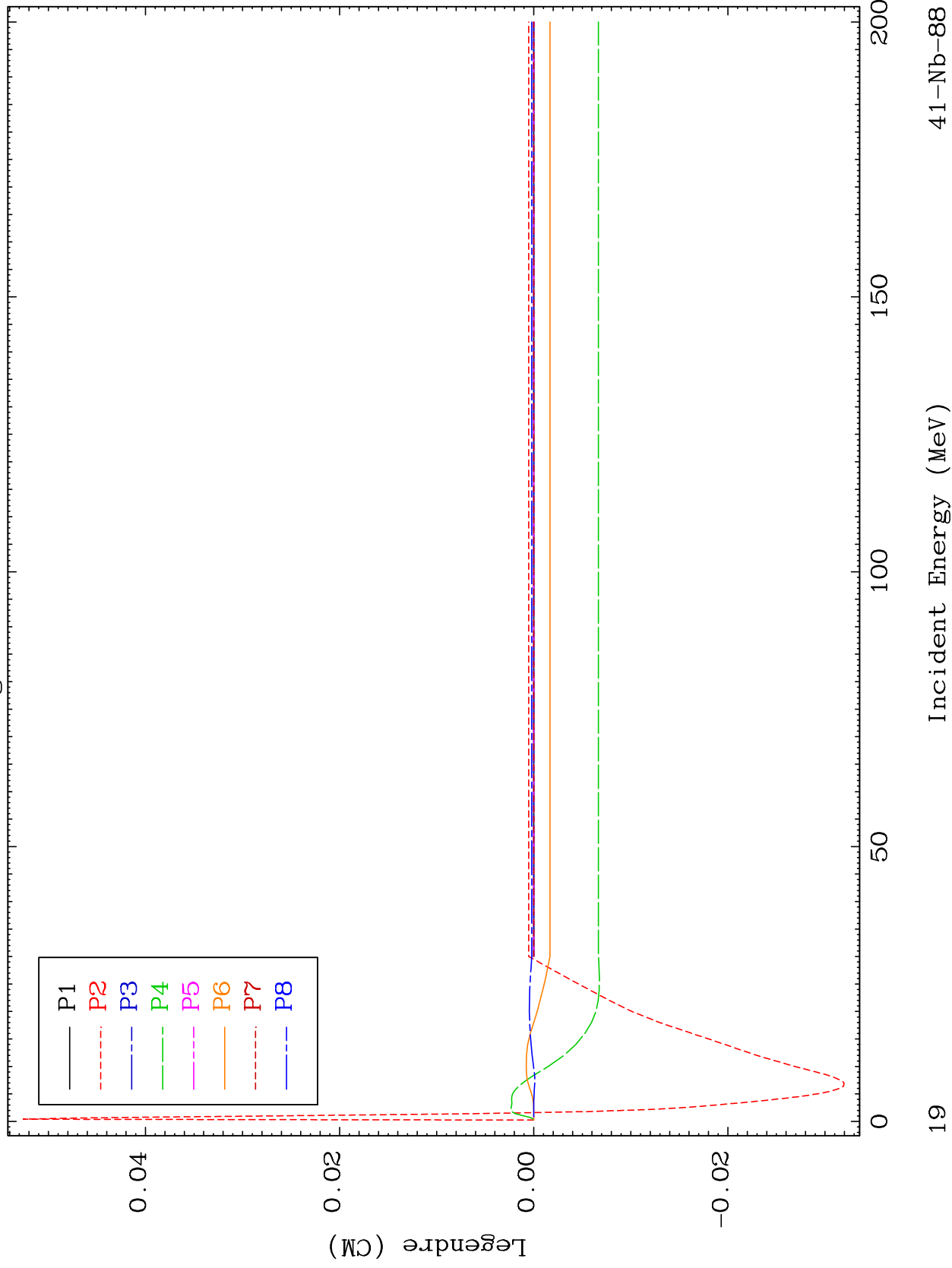




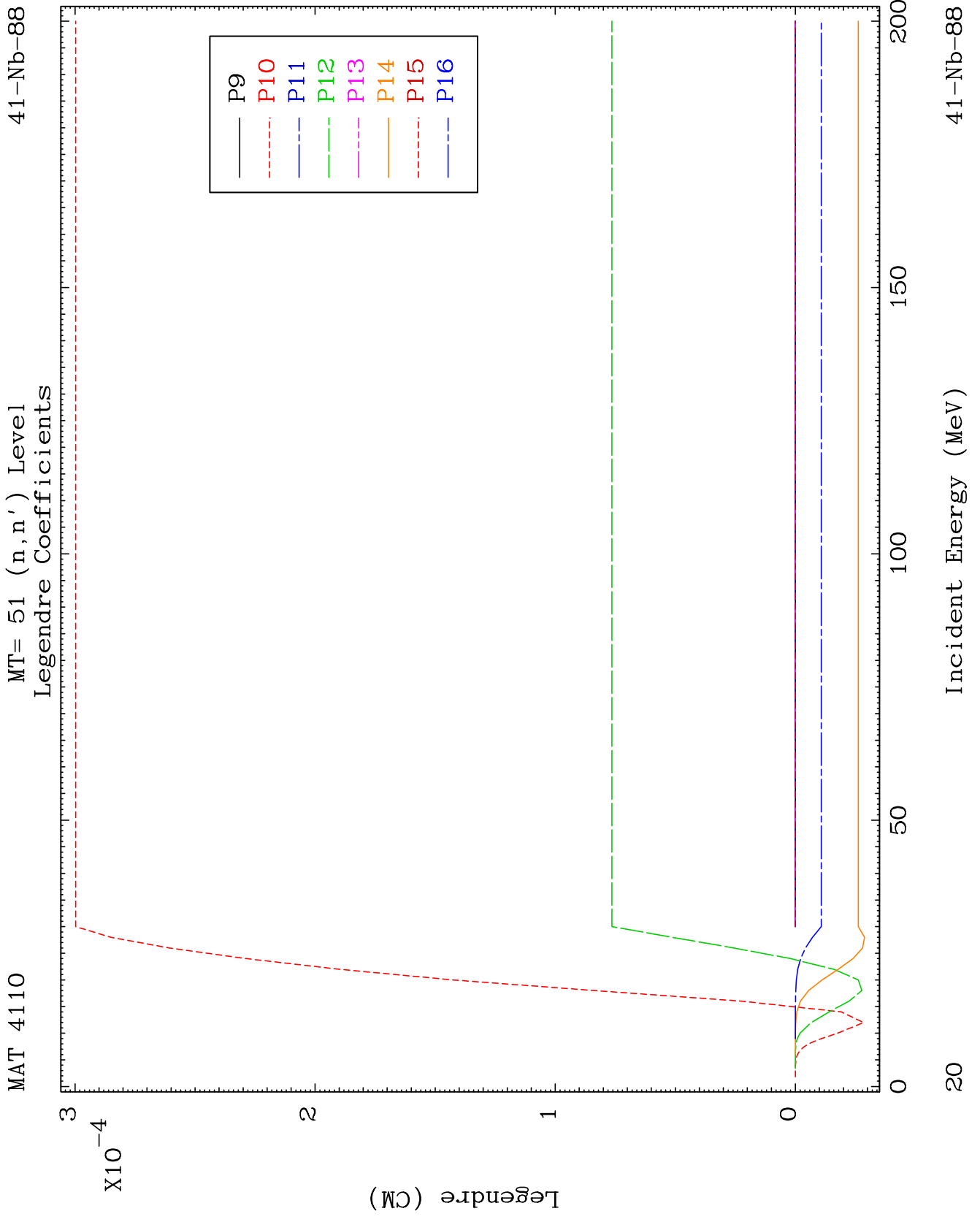
MAT 4110

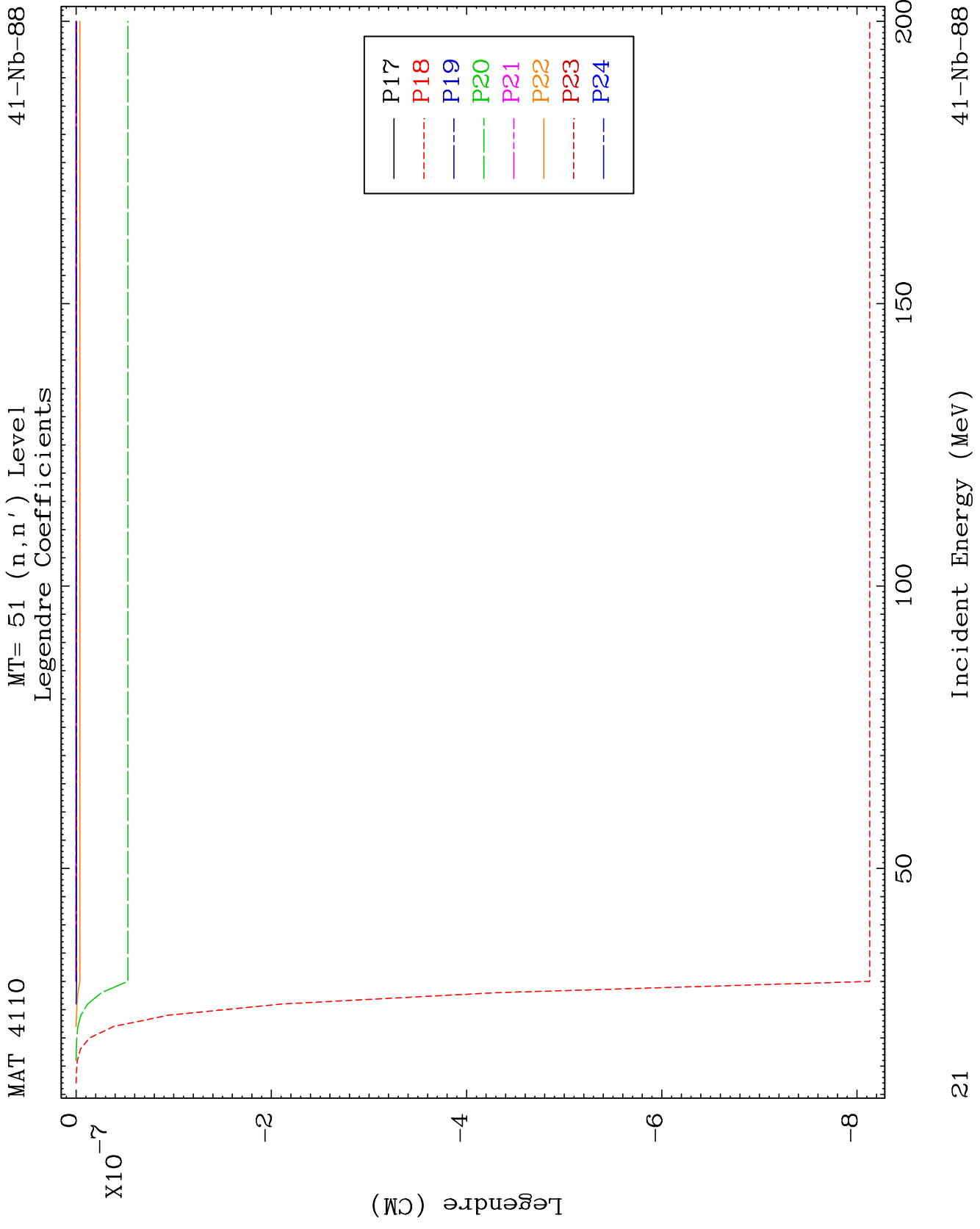
MT= 51 (n,n') Level
Legendre Coefficients

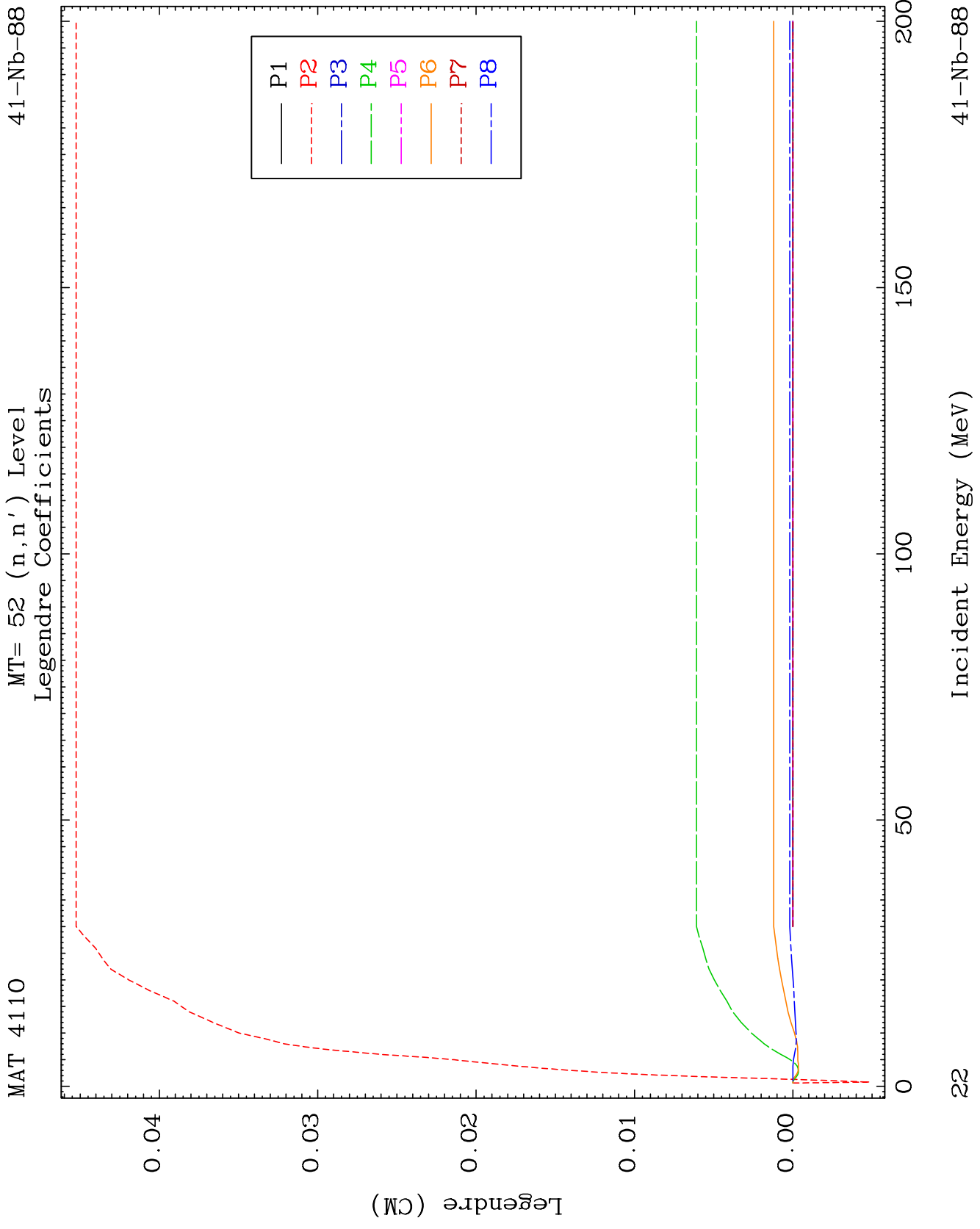
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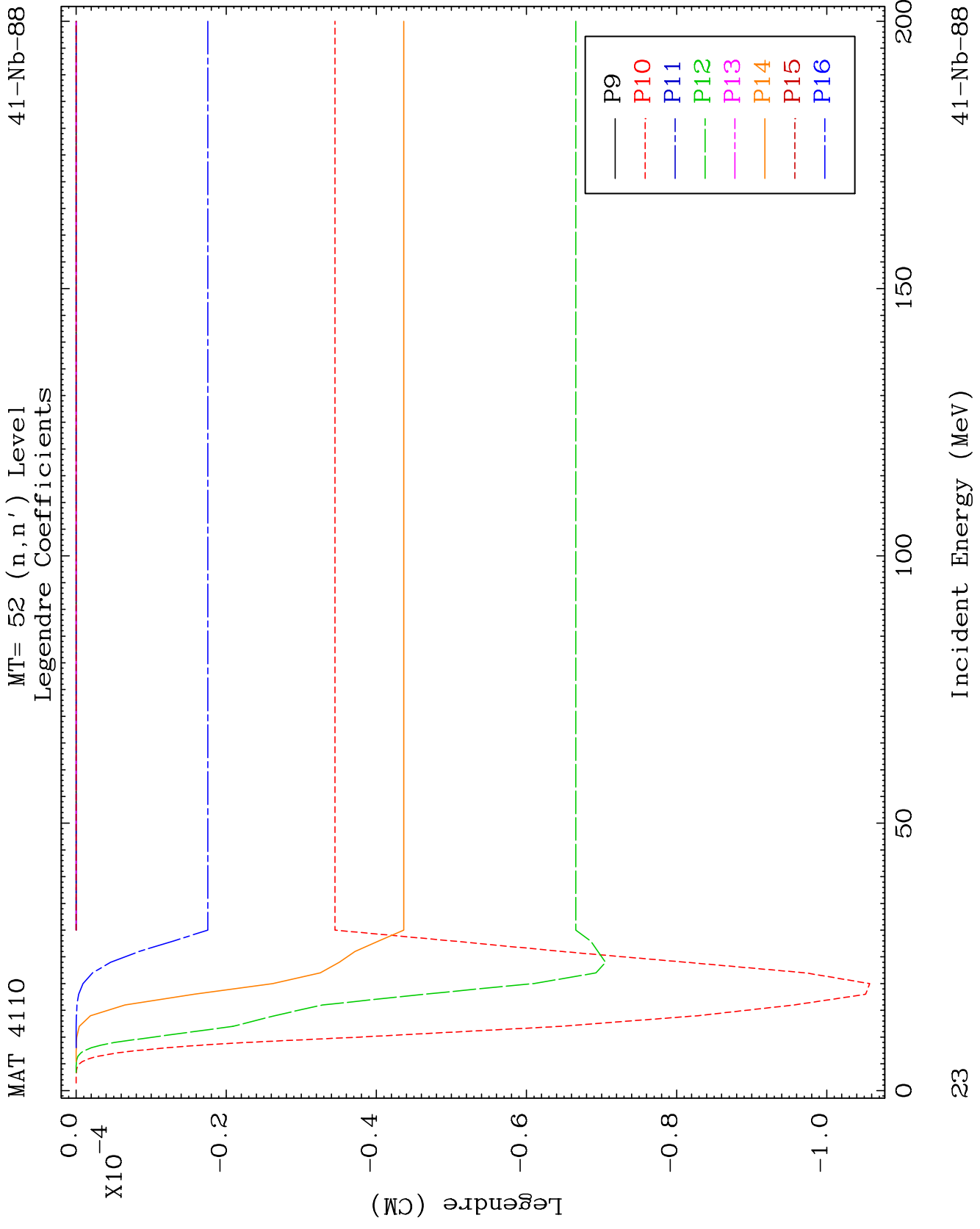


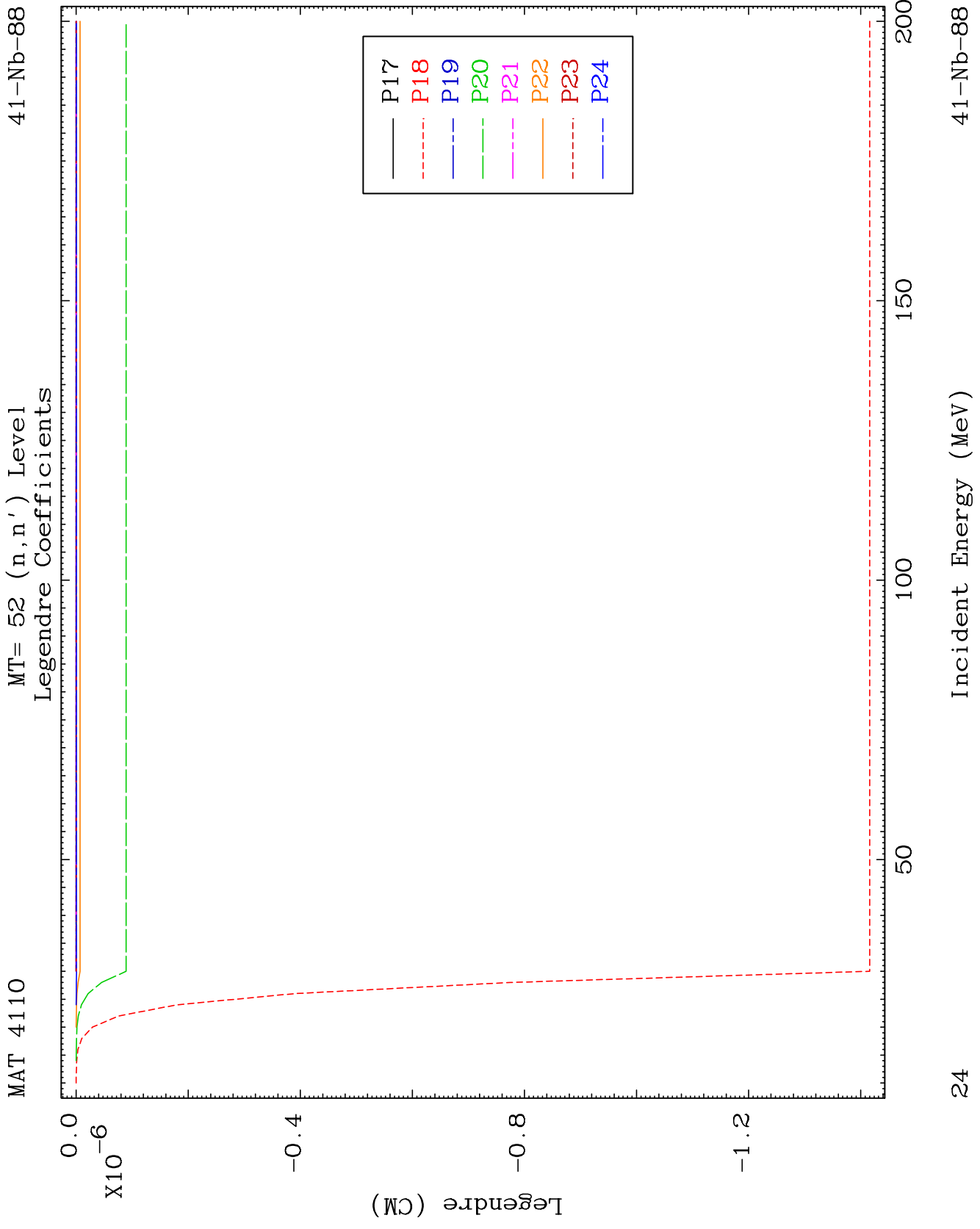
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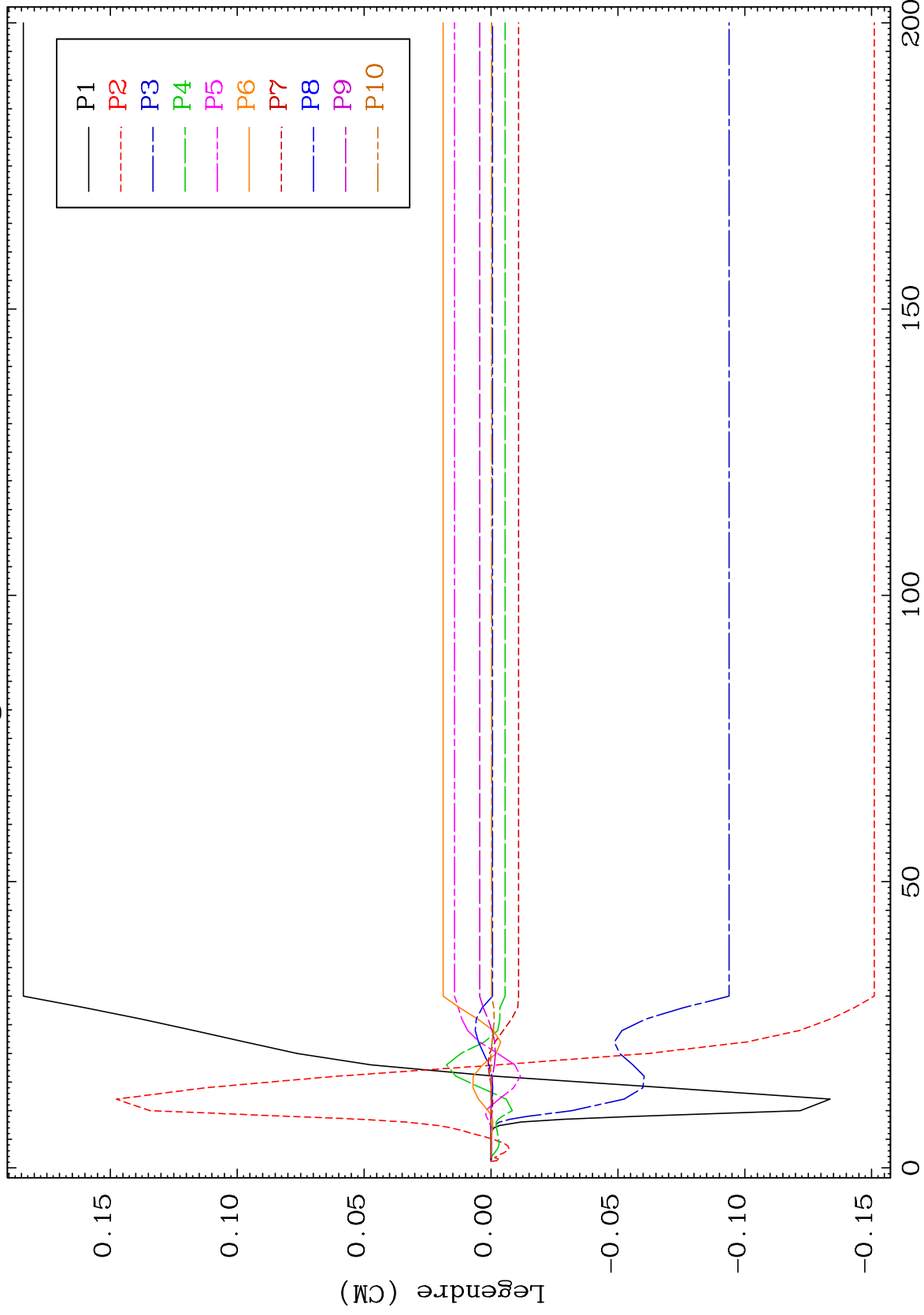




MAT 4110

MT= 53 (n,n') Level
Legendre Coefficients

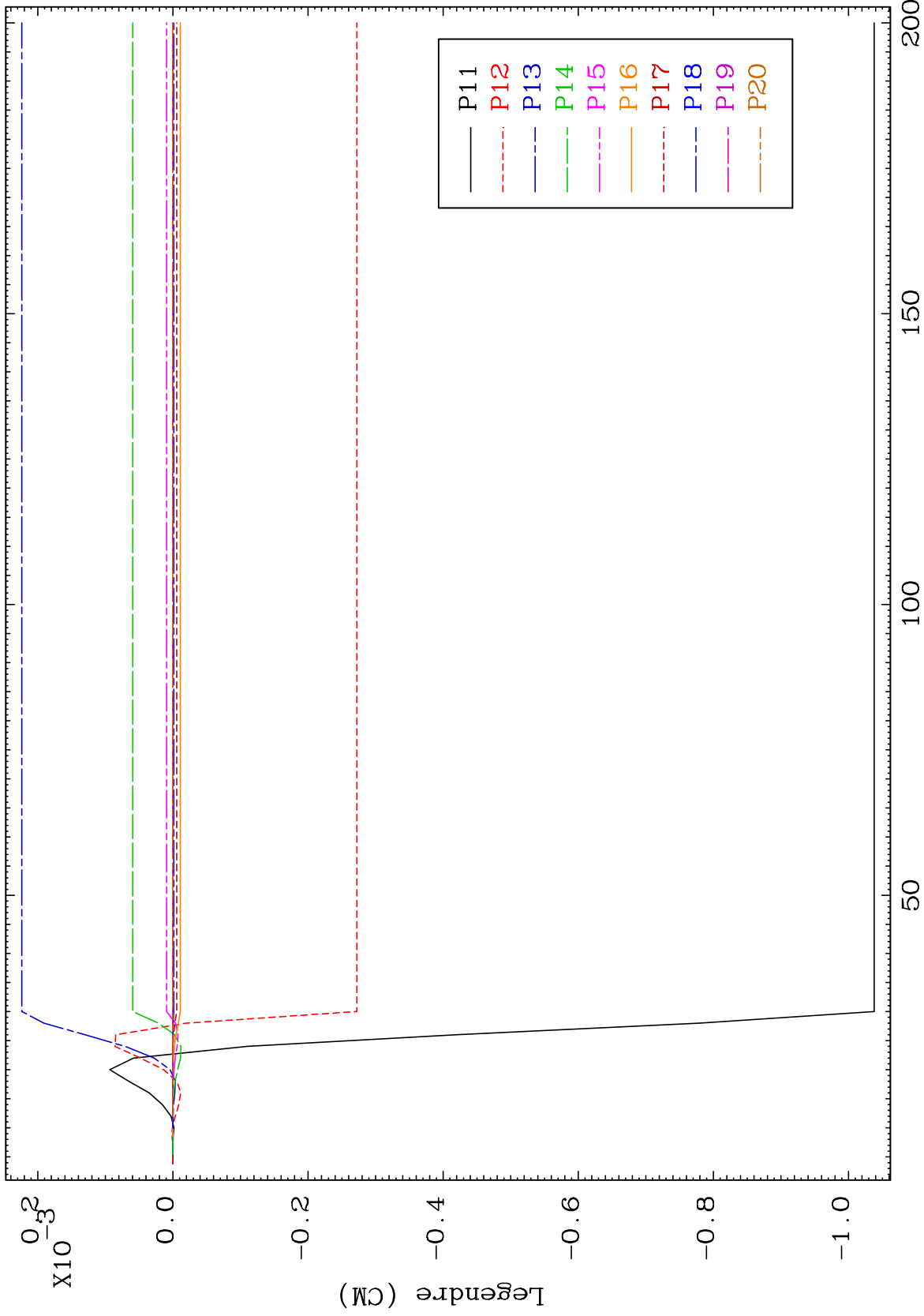
41-Nb-88

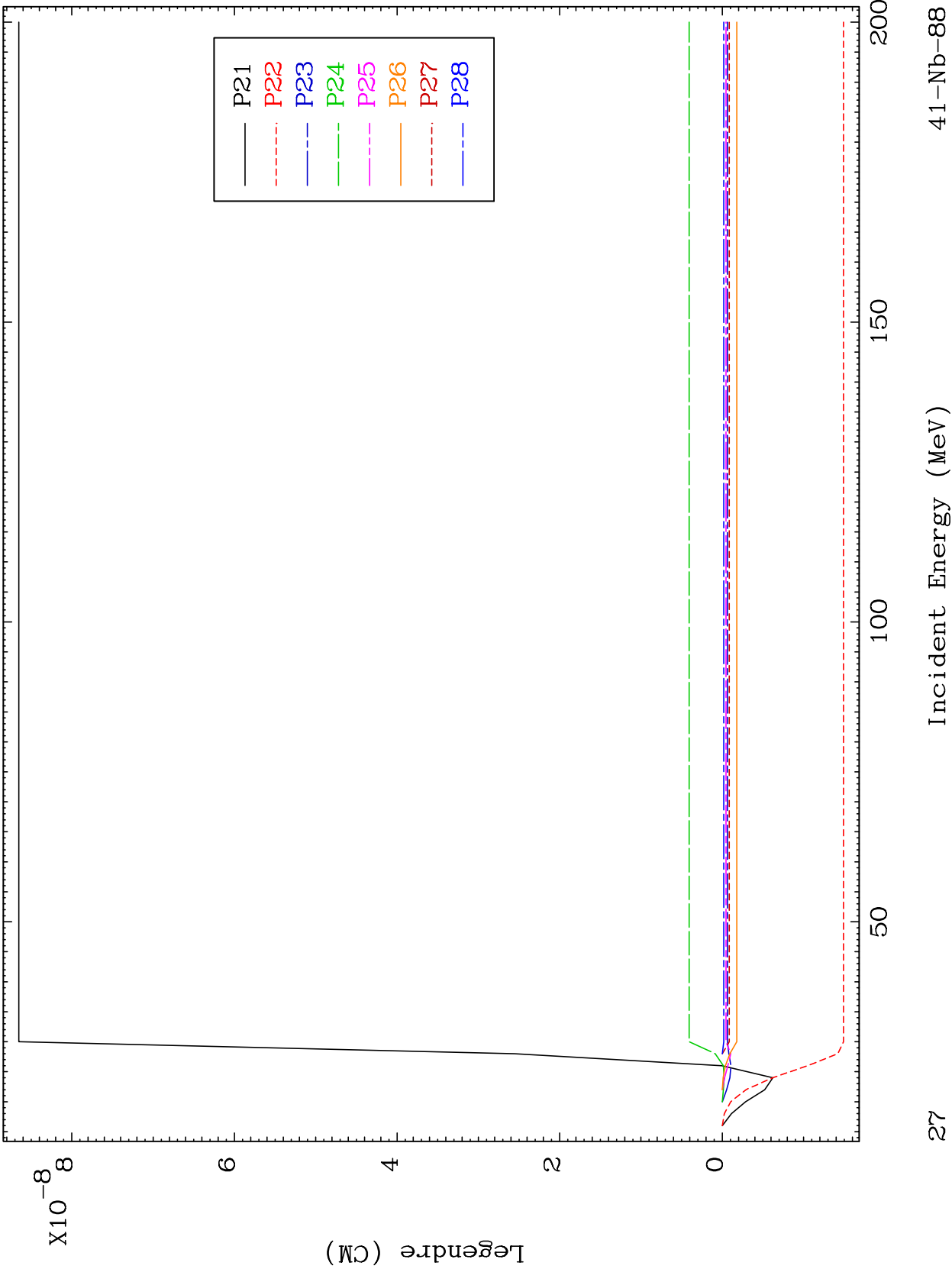


25

Incident Energy (MeV)

41-Nb-88

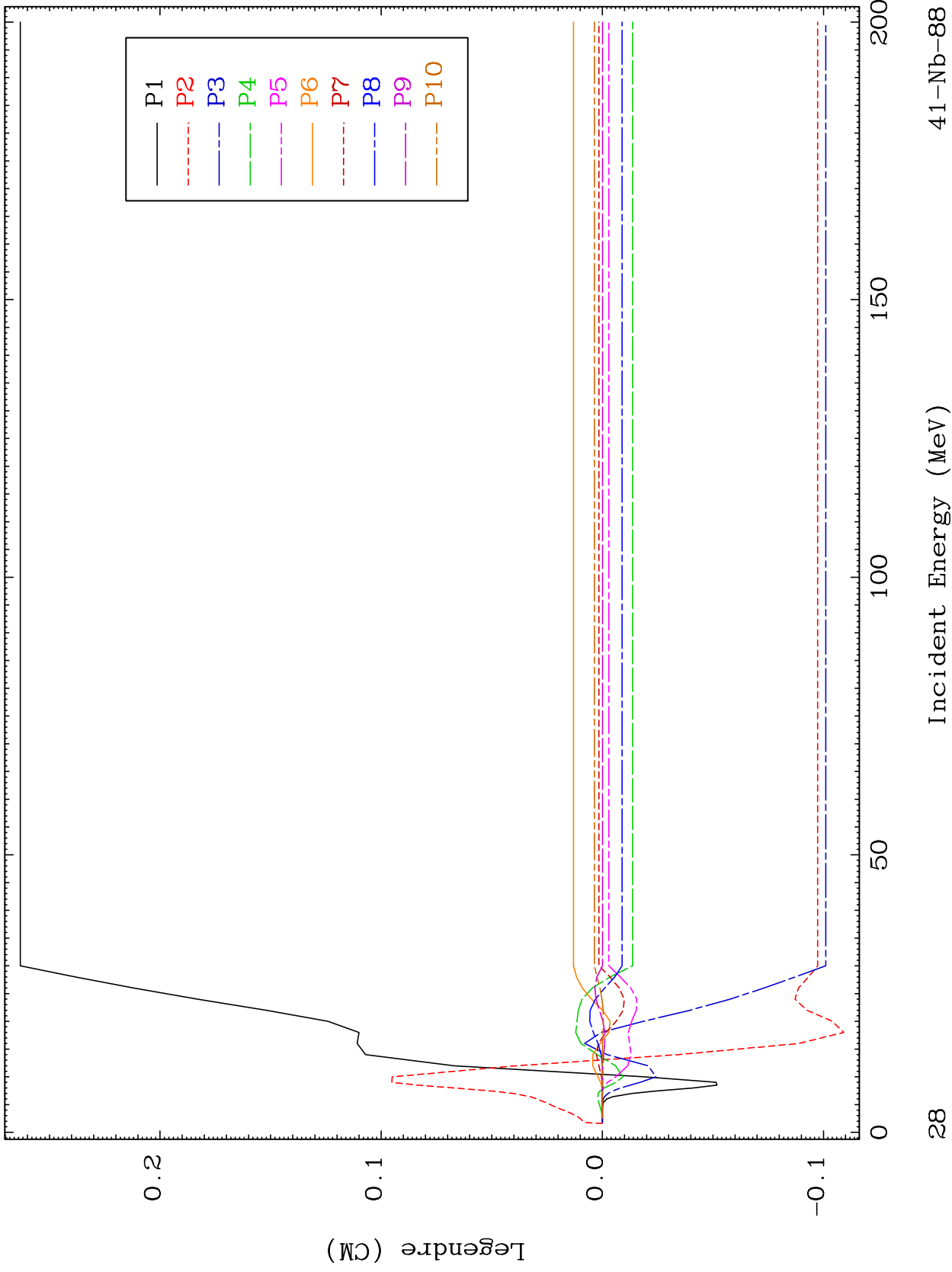




MAT 4110

MT= 54 (n,n') Level
Legendre Coefficients

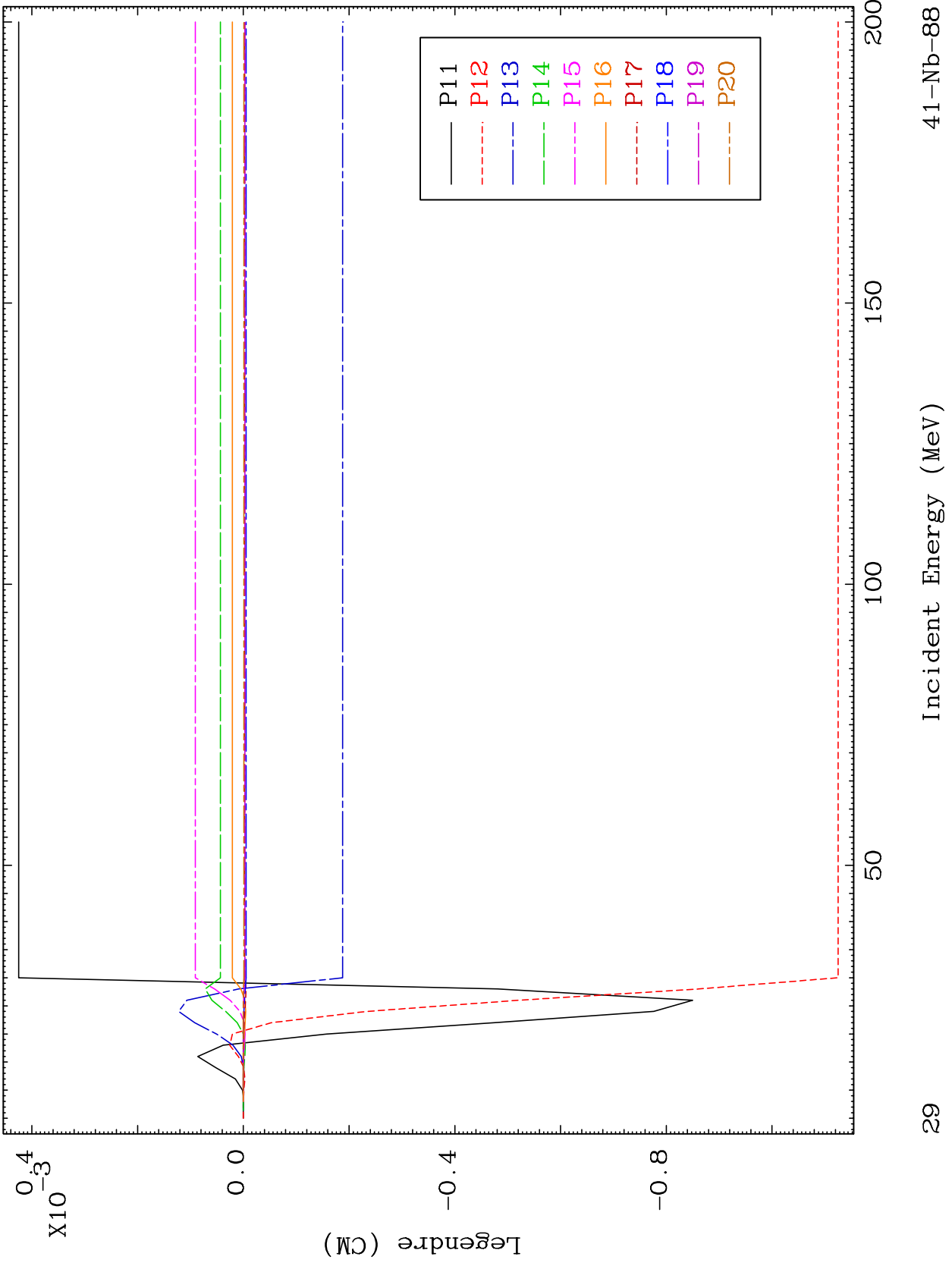
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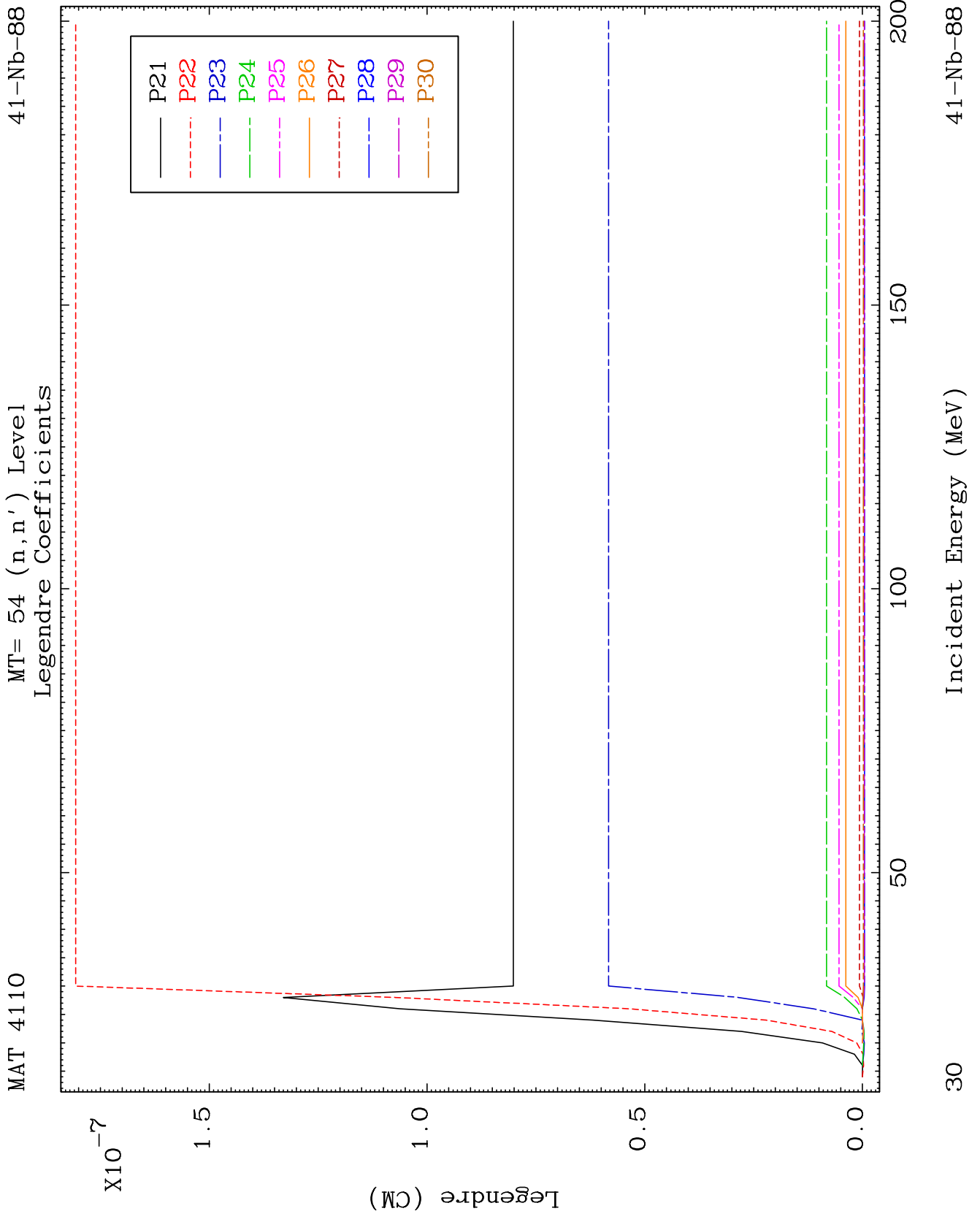


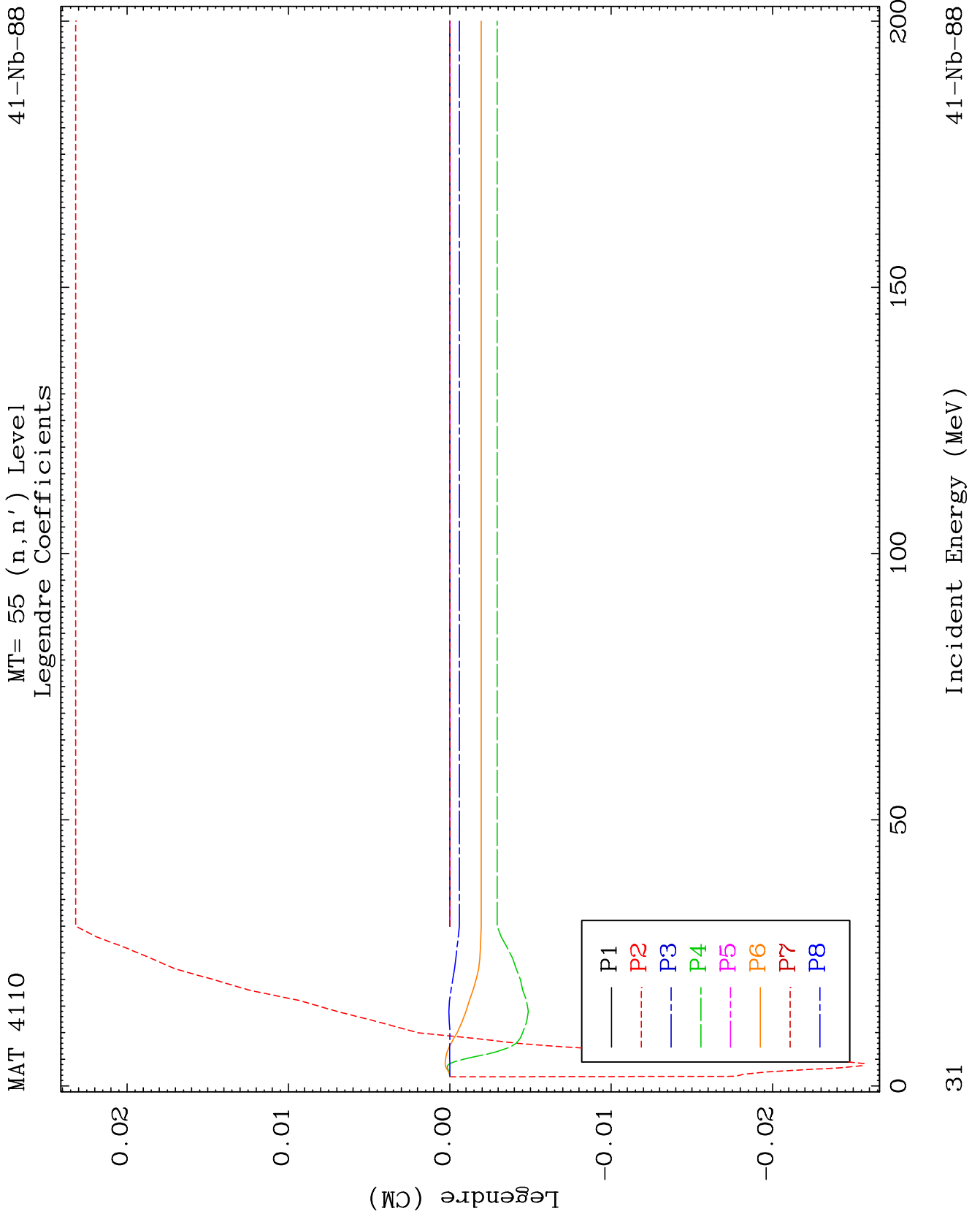
28

Incident Energy (MeV)

41-Nb-88



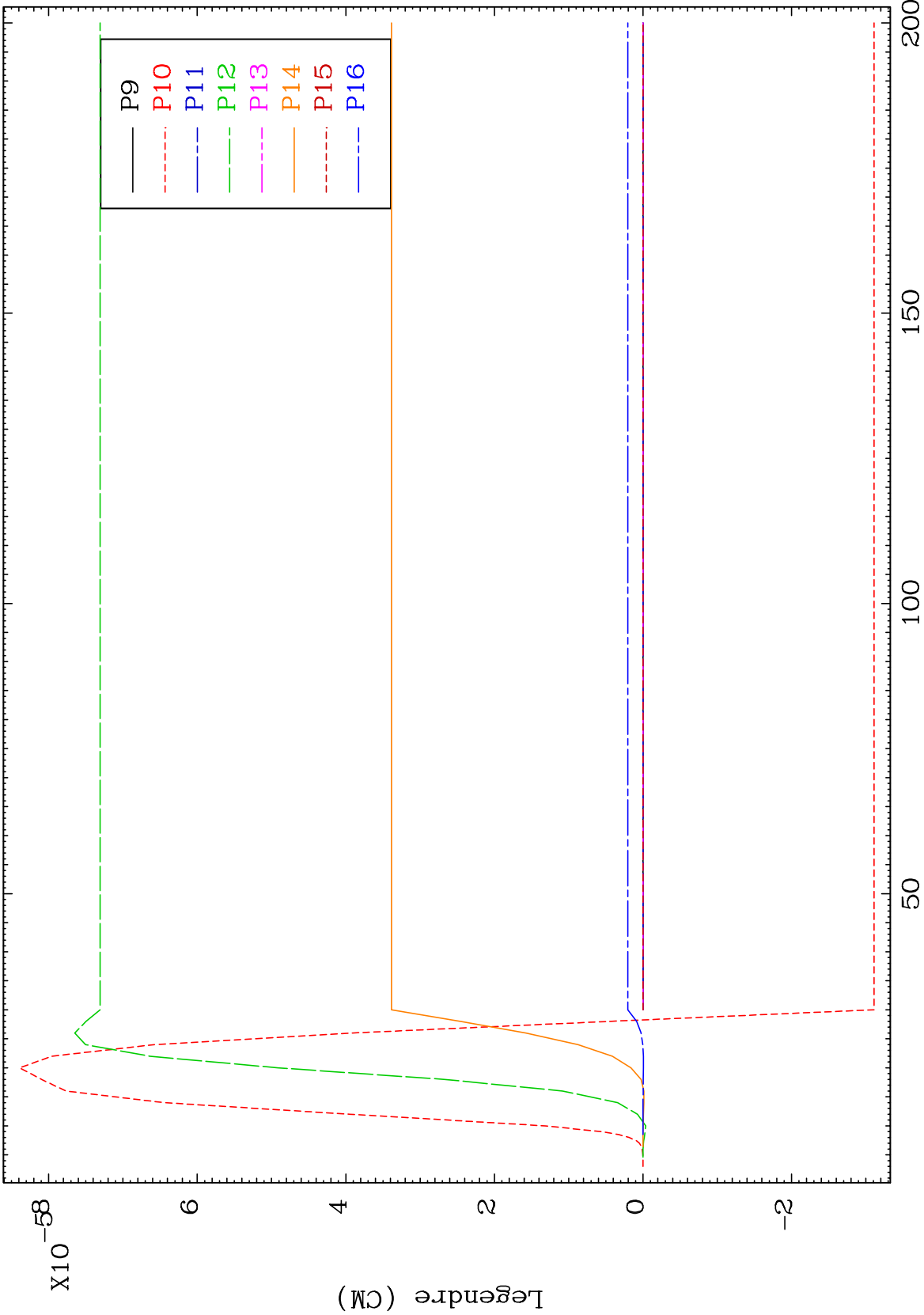




MAT 4110

MT= 55 (n,n') Level
Legendre Coefficients

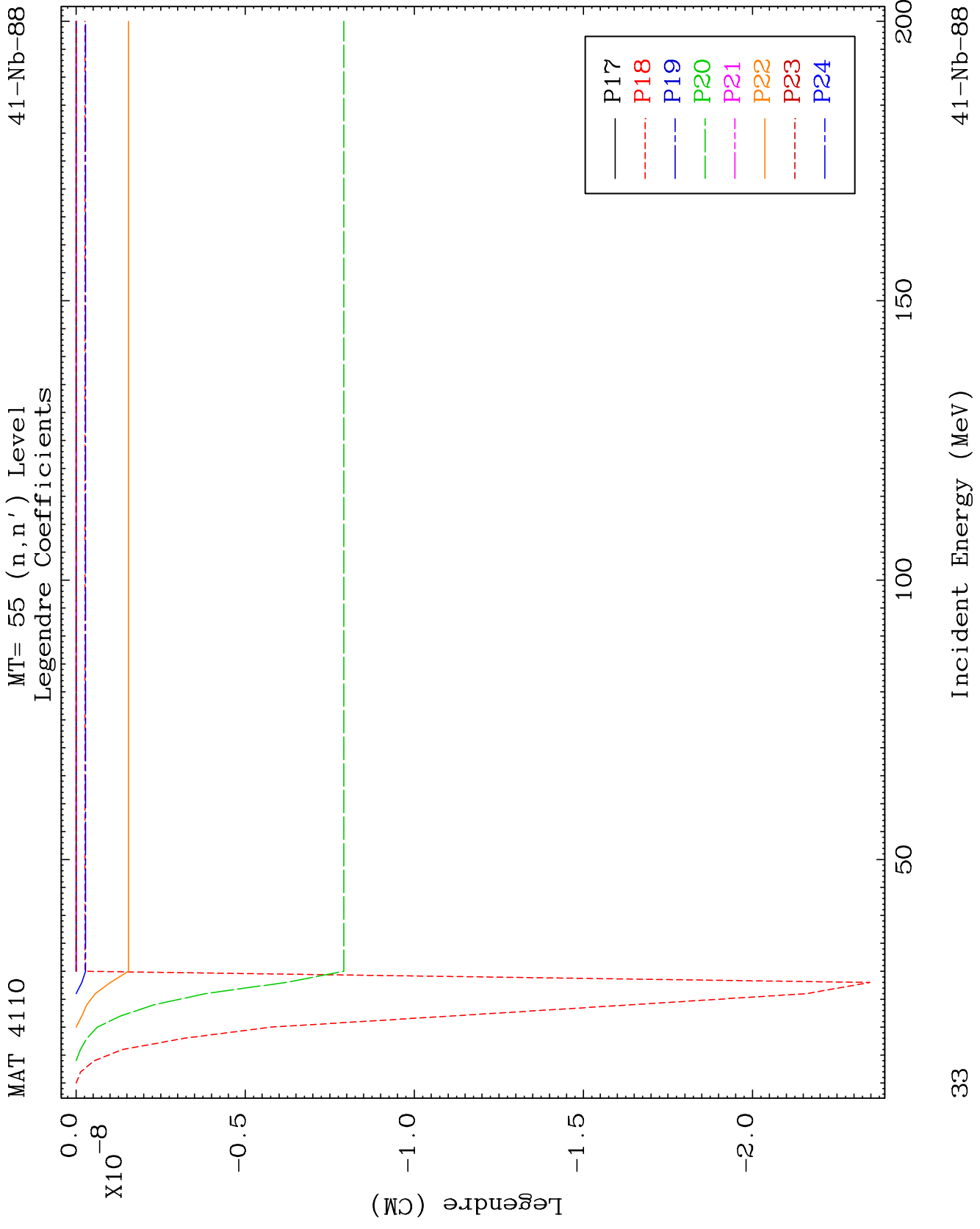
41-Nb-88



32

Incident Energy (MeV)

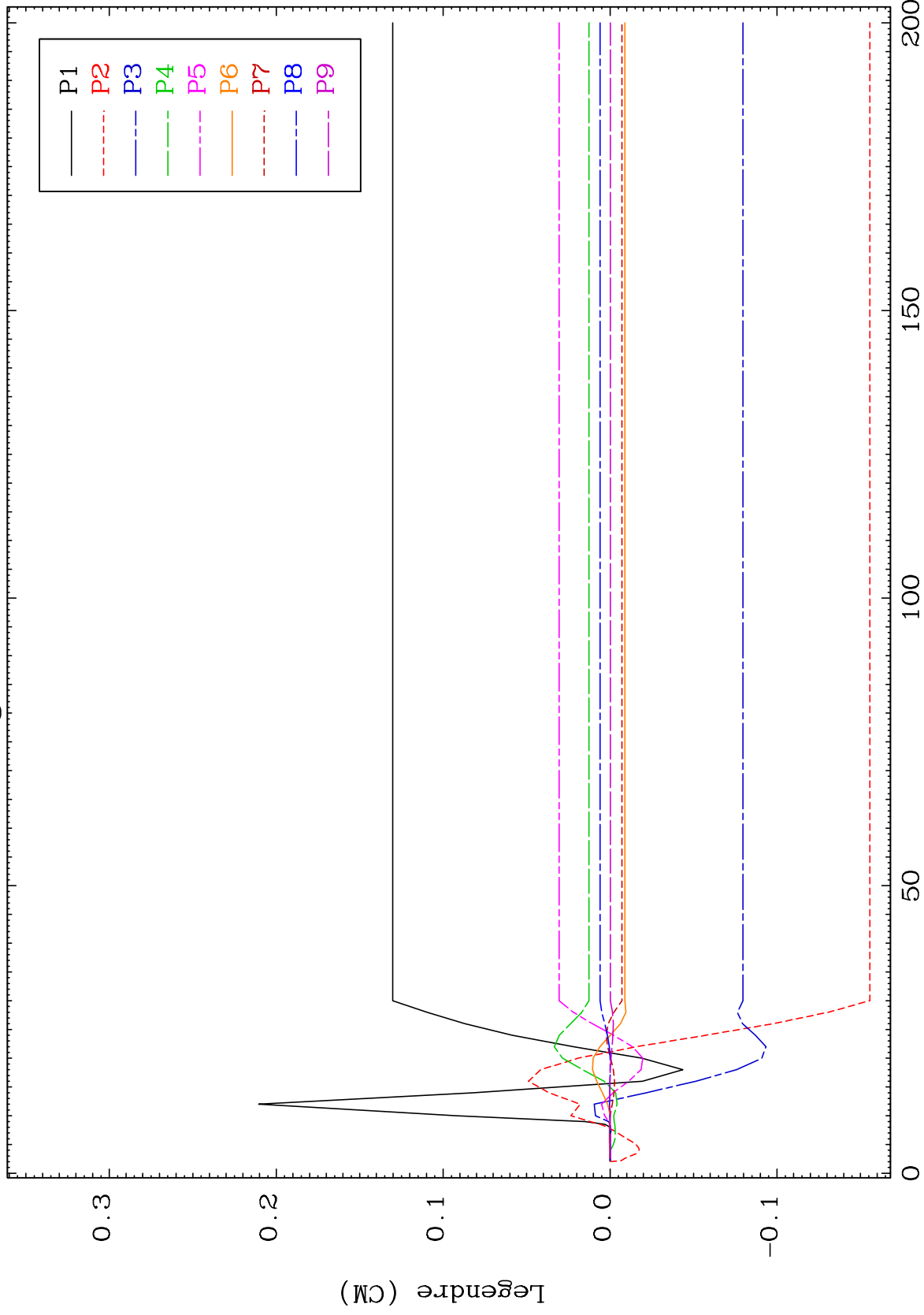
41-Nb-88



MAT 4110

MT= 56 (n,n') Level
Legendre Coefficients

41-Nb-88



34

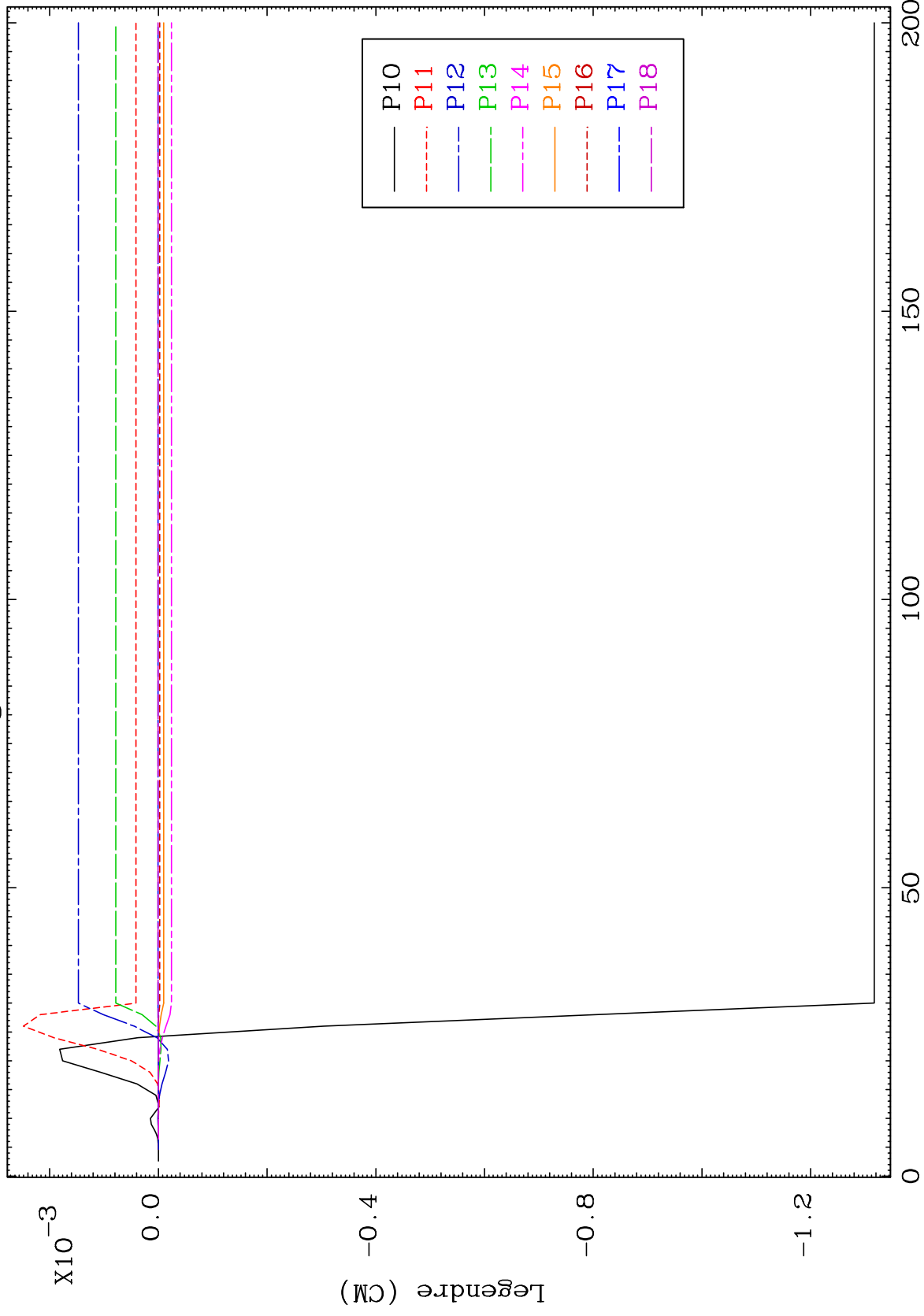
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 56 (n,n') Level
Legendre Coefficients

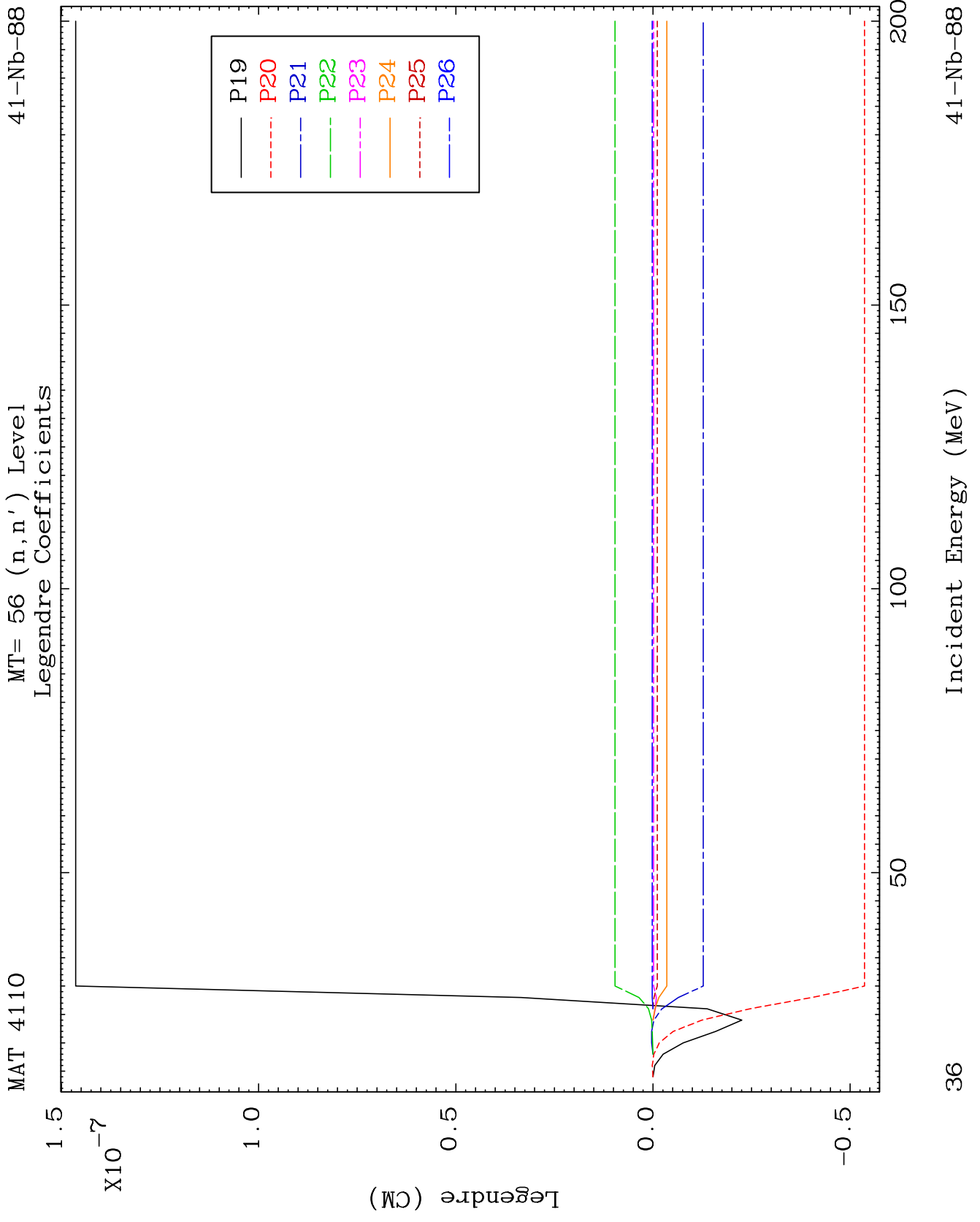
41-Nb-88



35

Incident Energy (MeV)

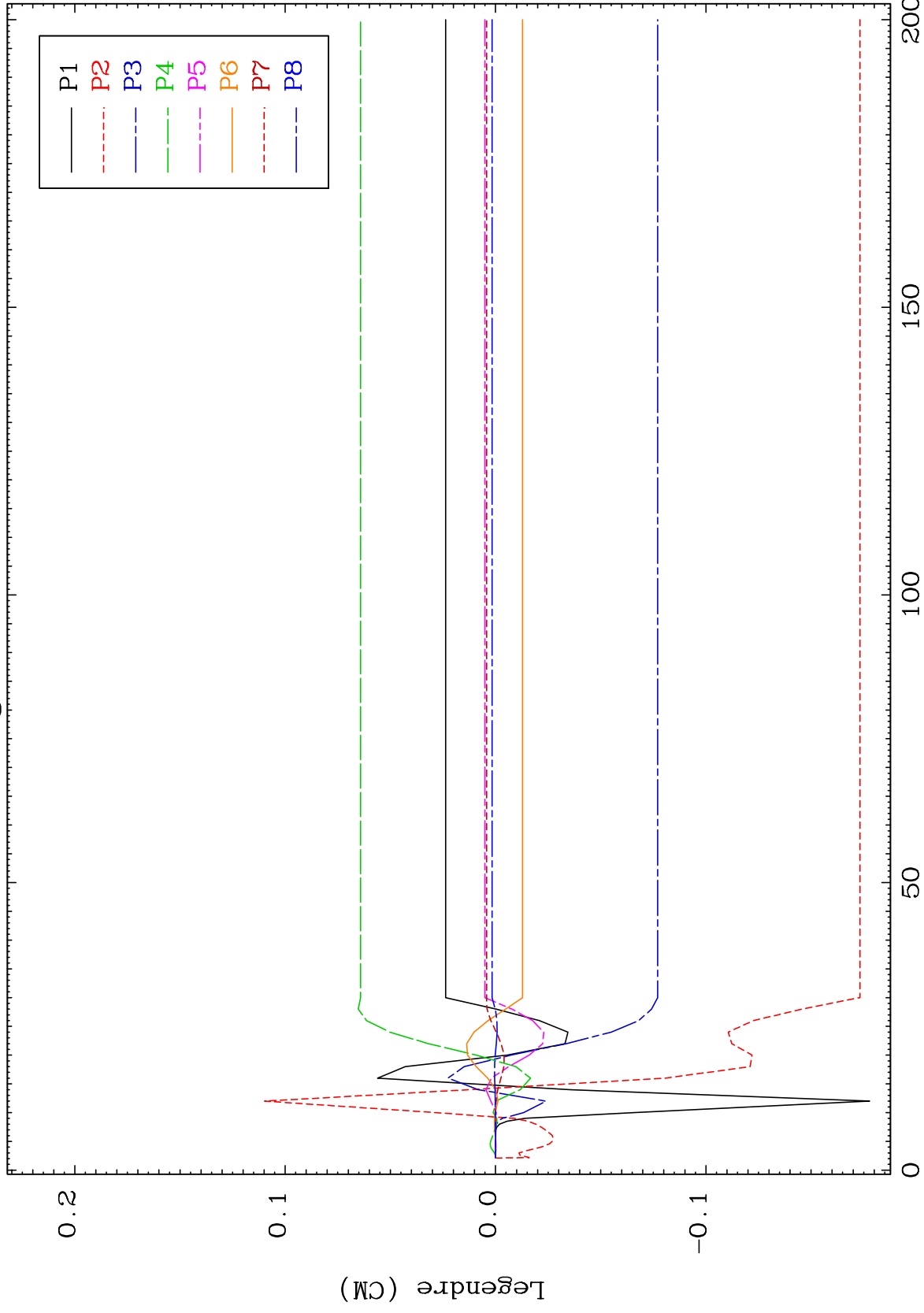
41-Nb-88



MAT 4110

MT= 57 (n,n') Level
Legendre Coefficients

41-Nb-88



37

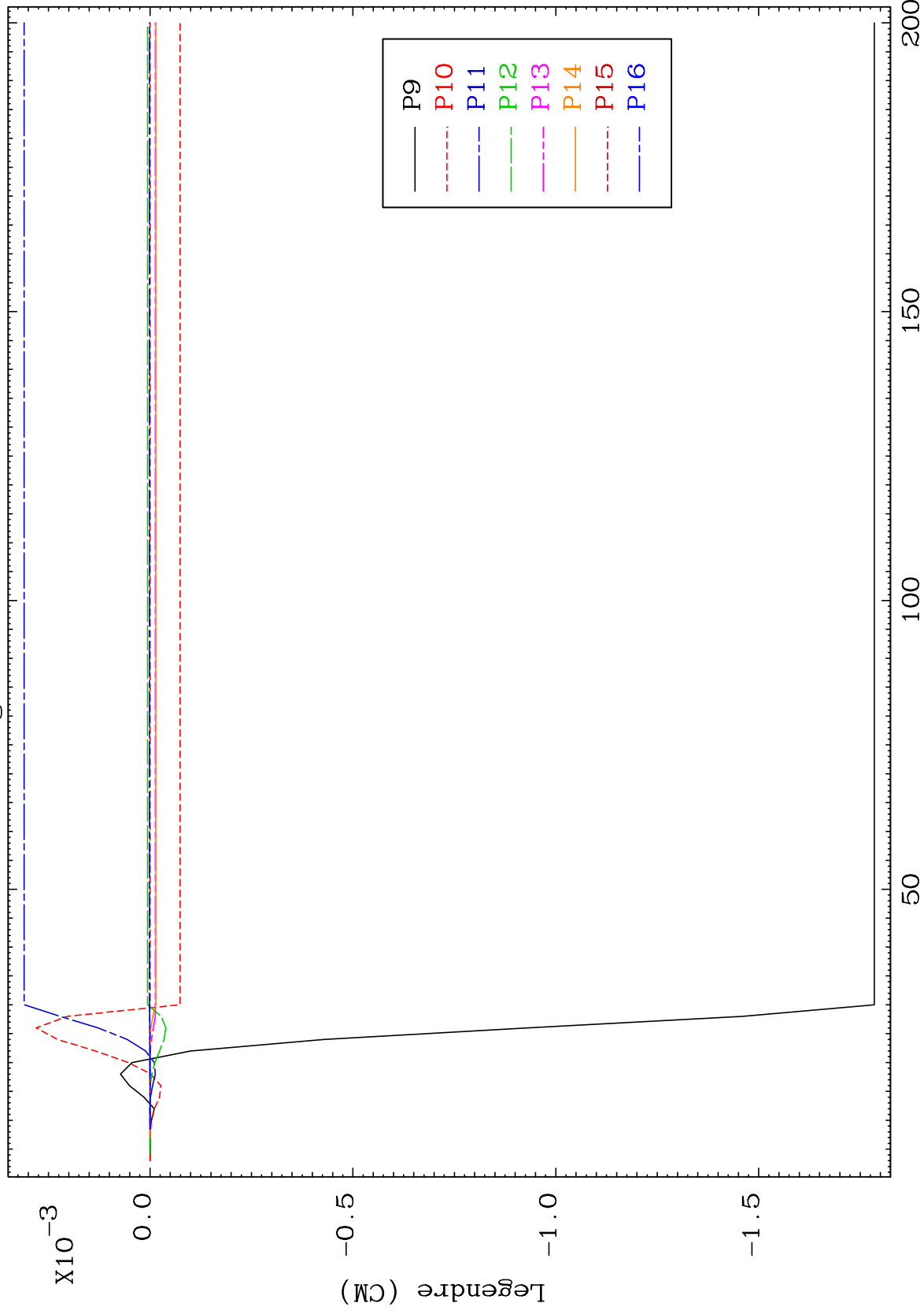
41-Nb-88

41-Nb-88

MAT 4110

MT= 57 (n,n') Level
Legendre Coefficients

41-Nb-88



38

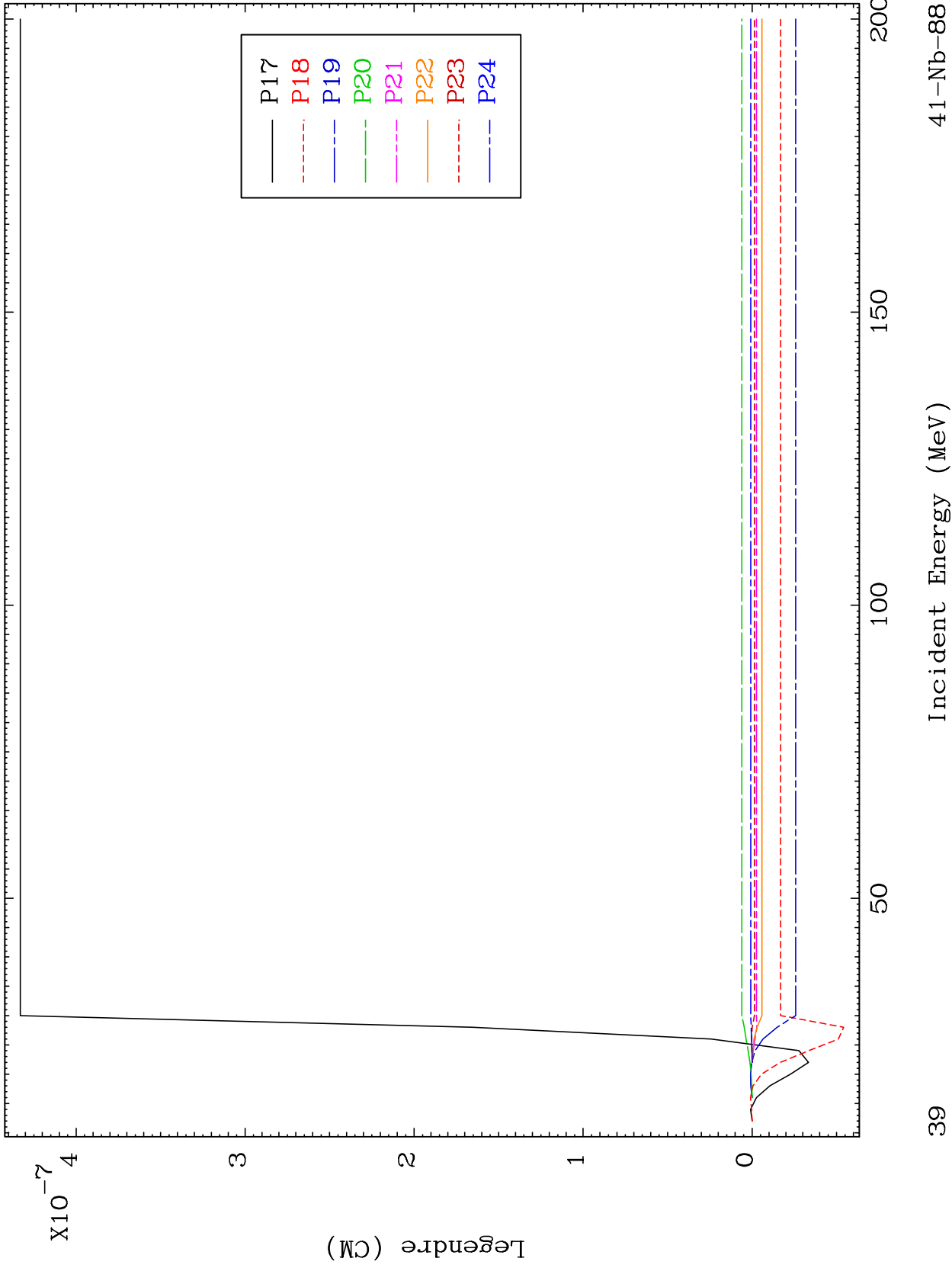
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 57 (n,n') Level
Legendre Coefficients

41-Nb-88



39

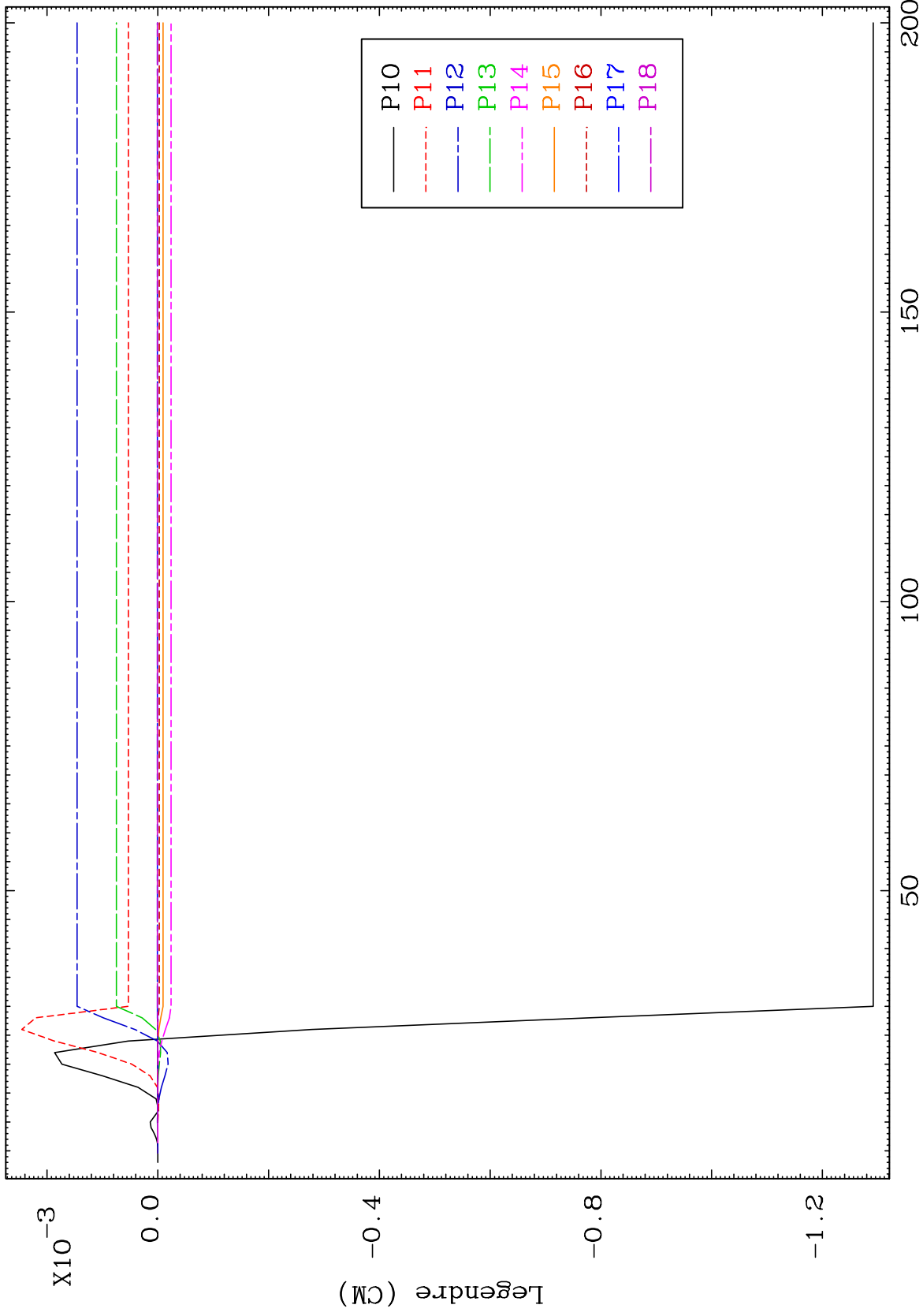
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 58 (n,n') Level
Legendre Coefficients

41-Nb-88



41

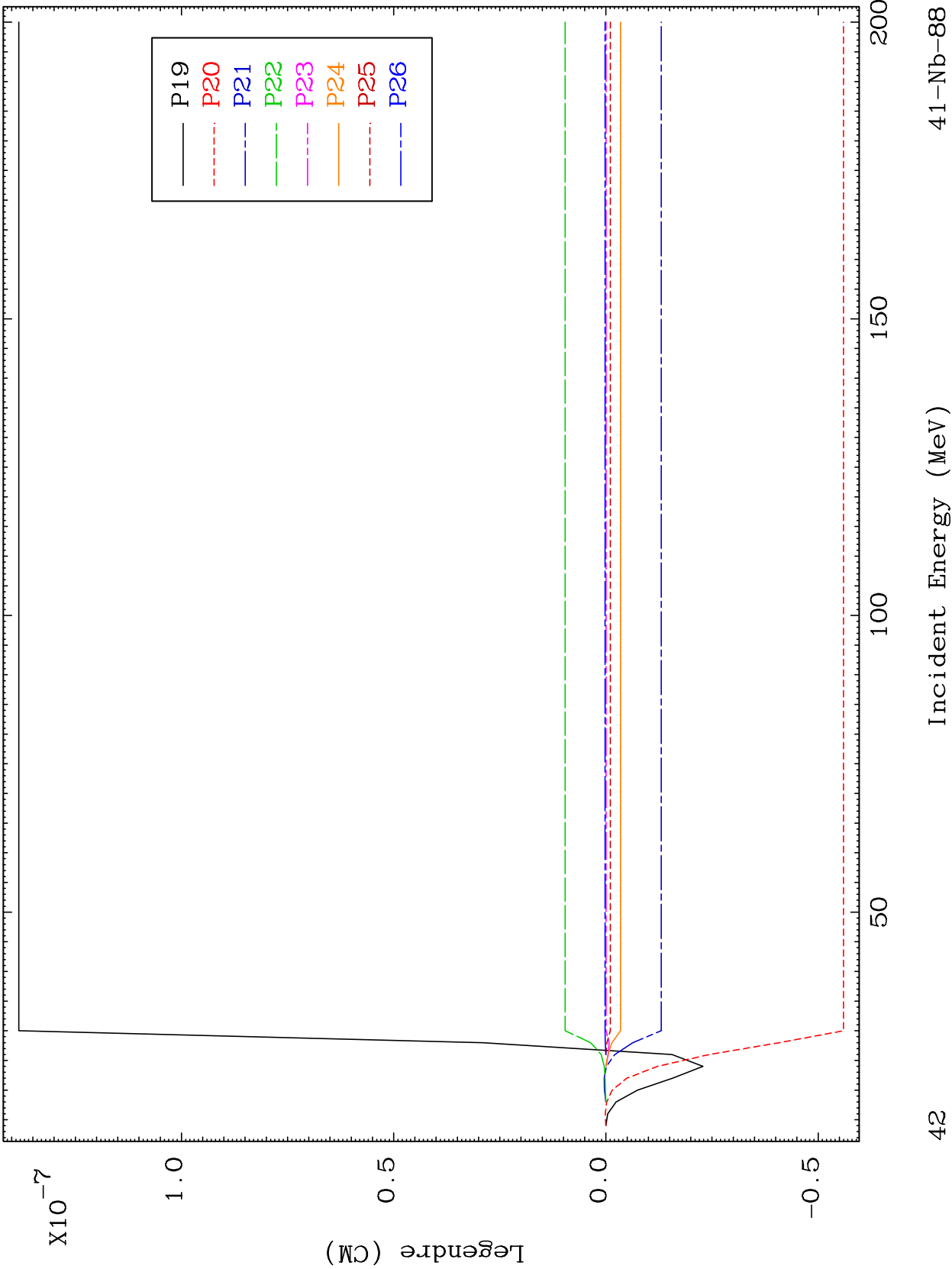
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 58 (n,n') Level
Legendre Coefficients

41-Nb-88



42

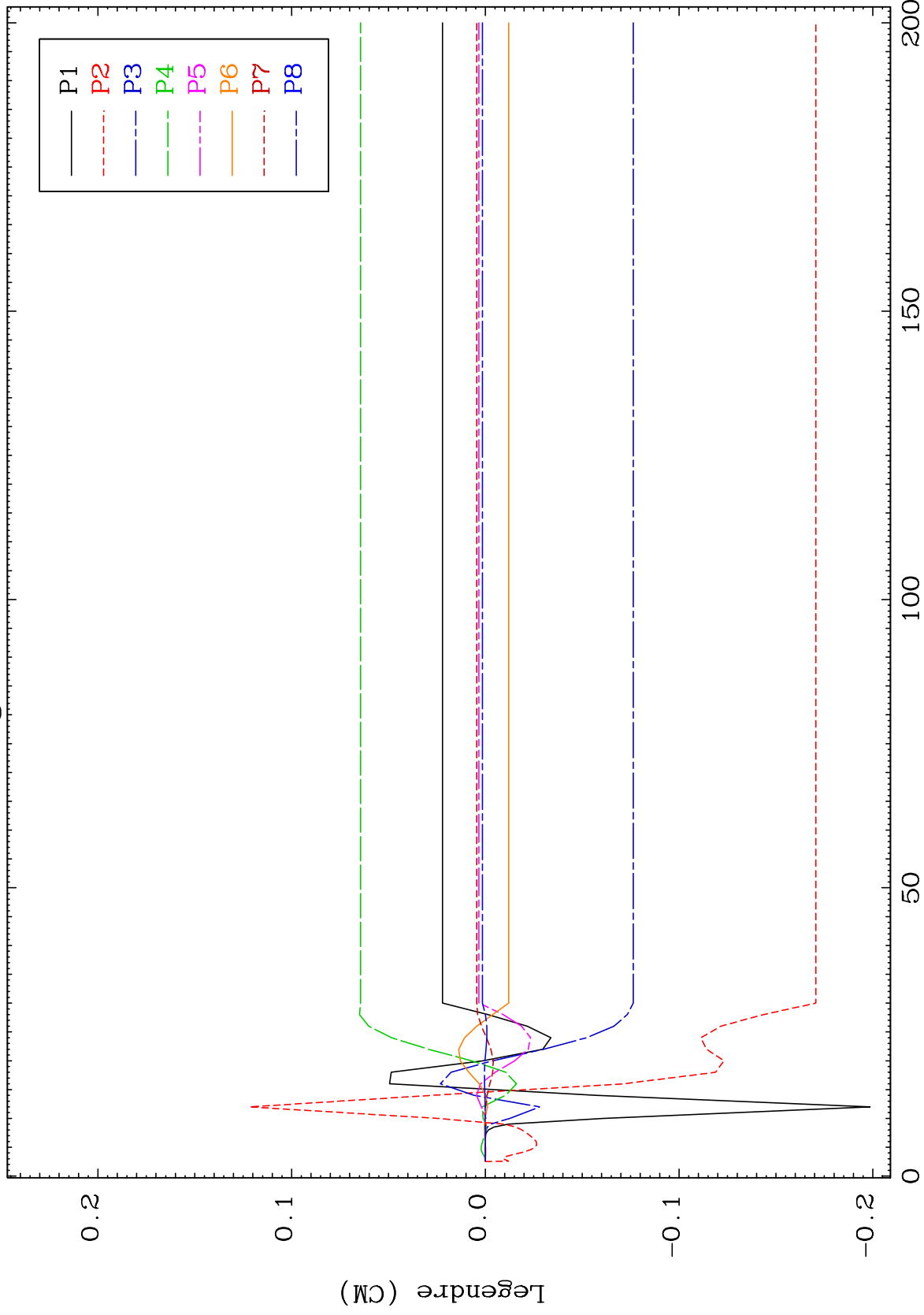
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 59 (n,n') Level
Legendre Coefficients

41-Nb-88



43

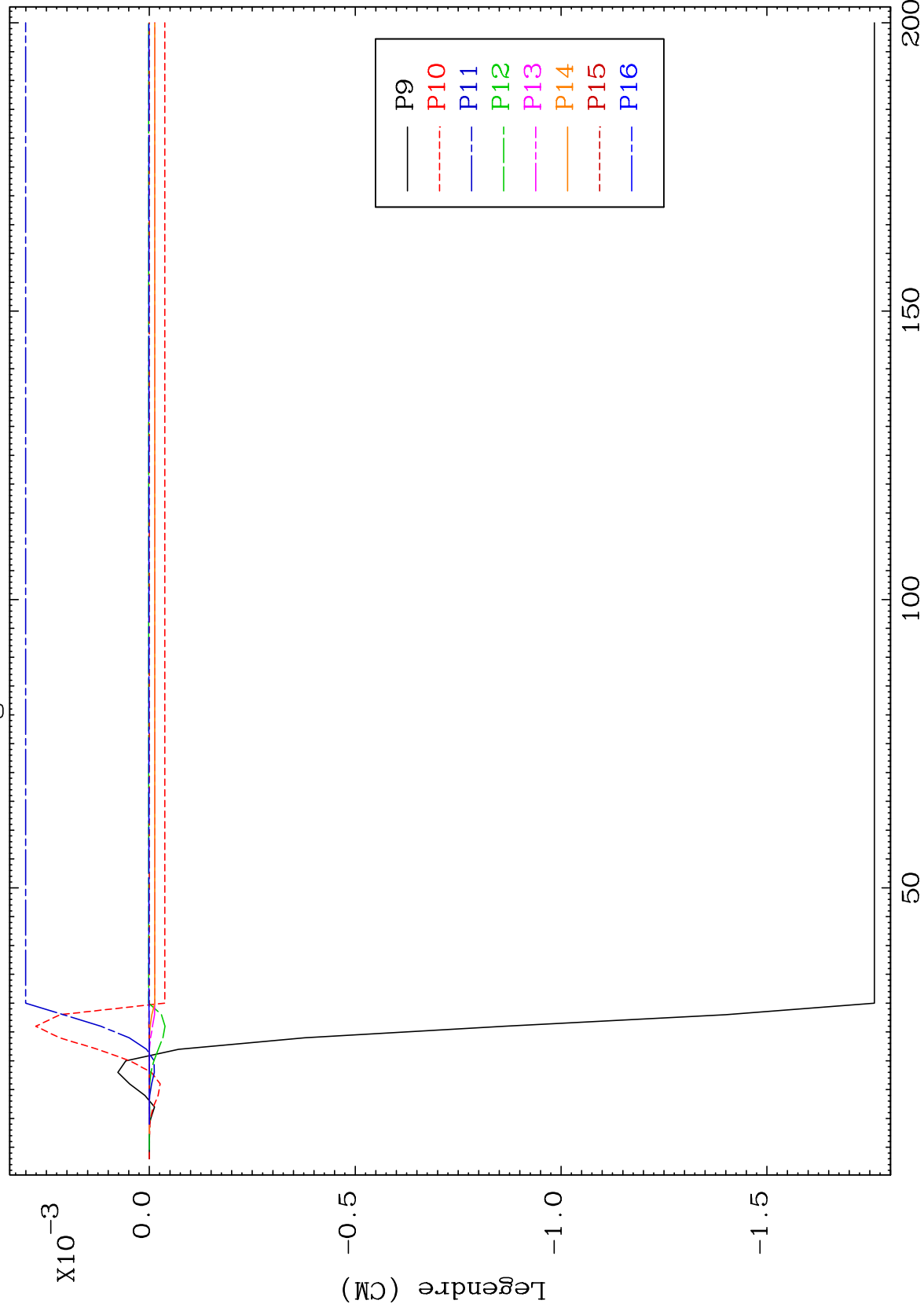
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 59 (n,n') Level
Legendre Coefficients

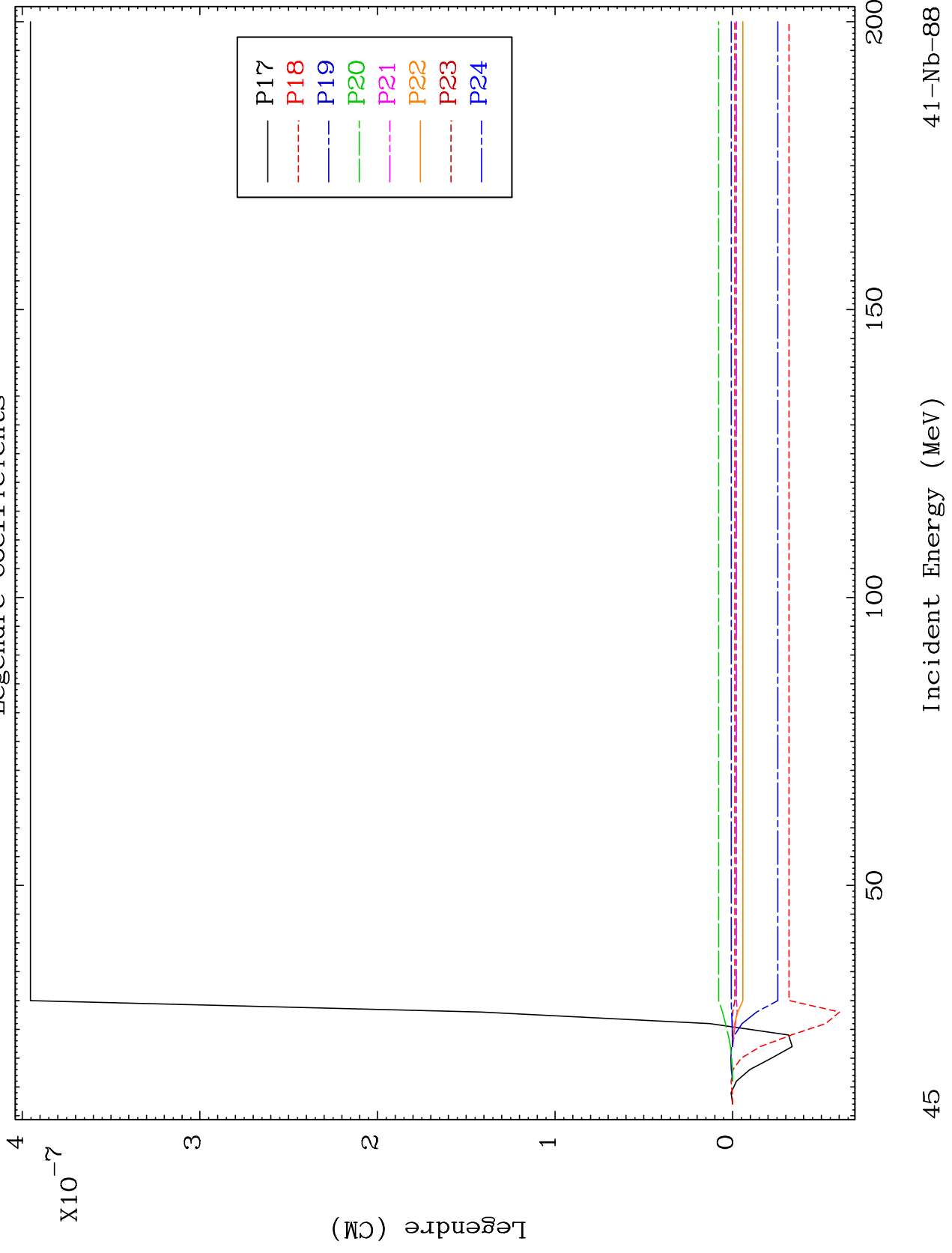
41-Nb-88



MAT 4110

MT= 59 (n,n') Level
Legendre Coefficients

41-Nb-88



41-Nb-88

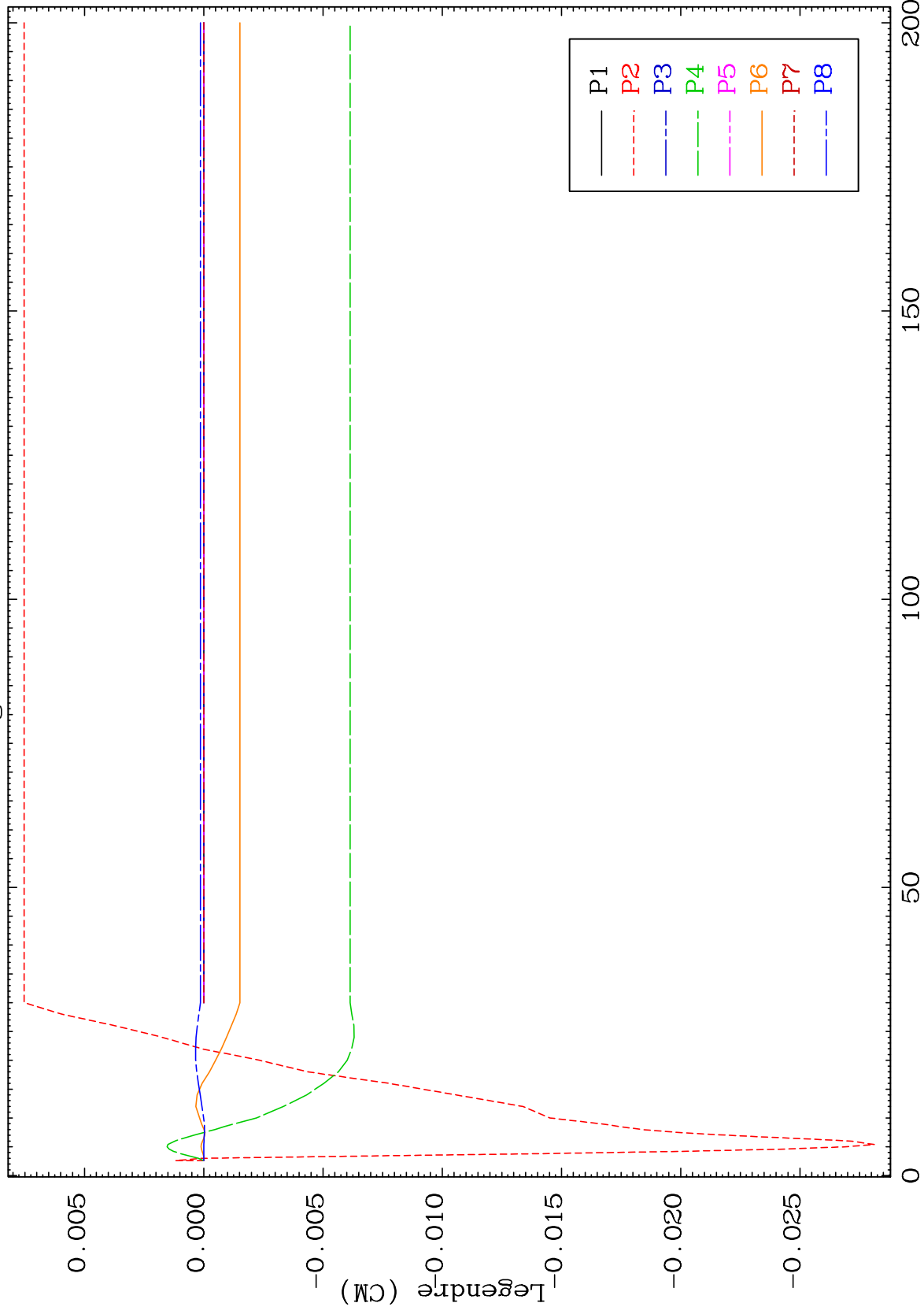
Incident Energy (MeV)

45

MAT 4110

MT= 60 (n,n') Level
Legendre Coefficients

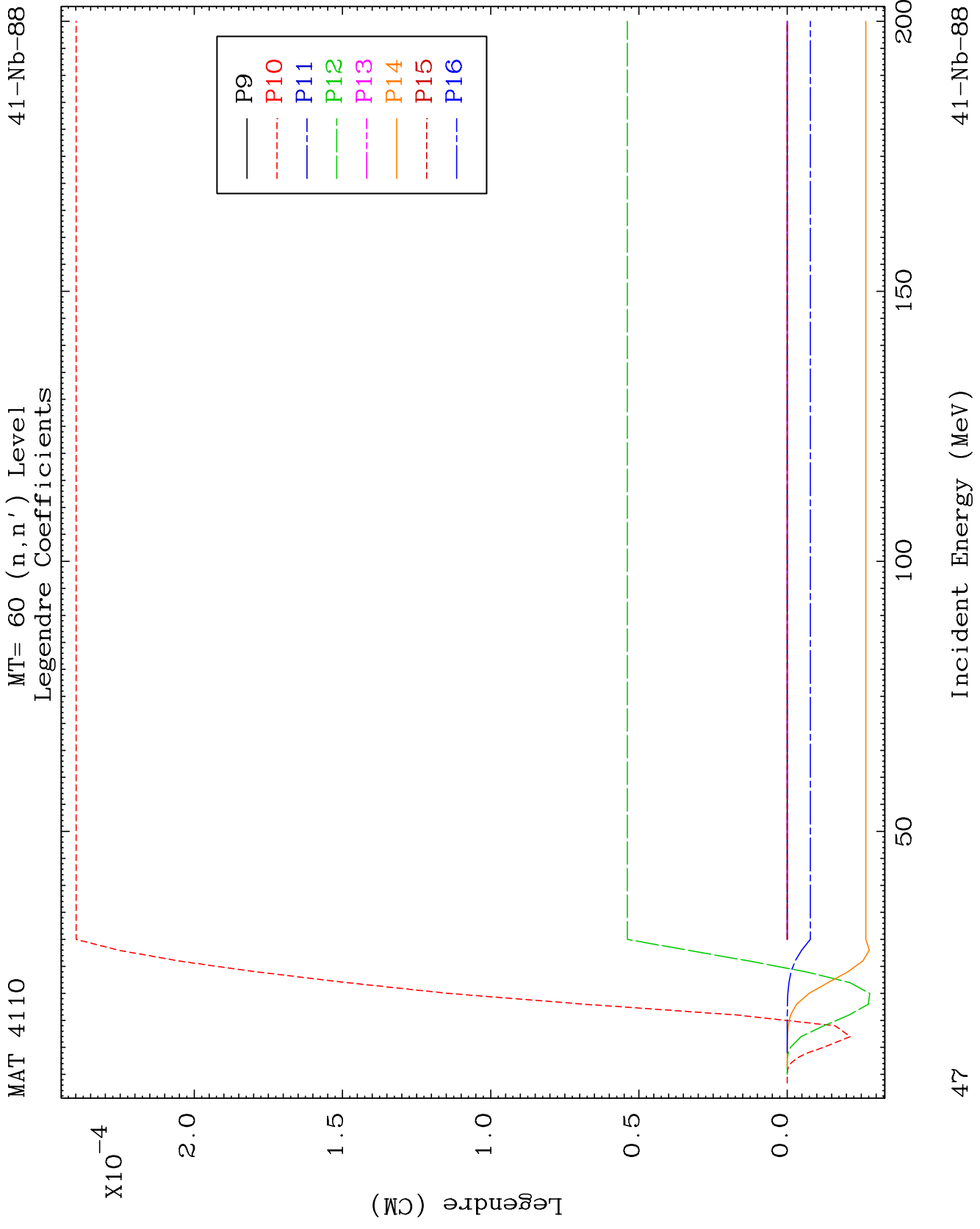
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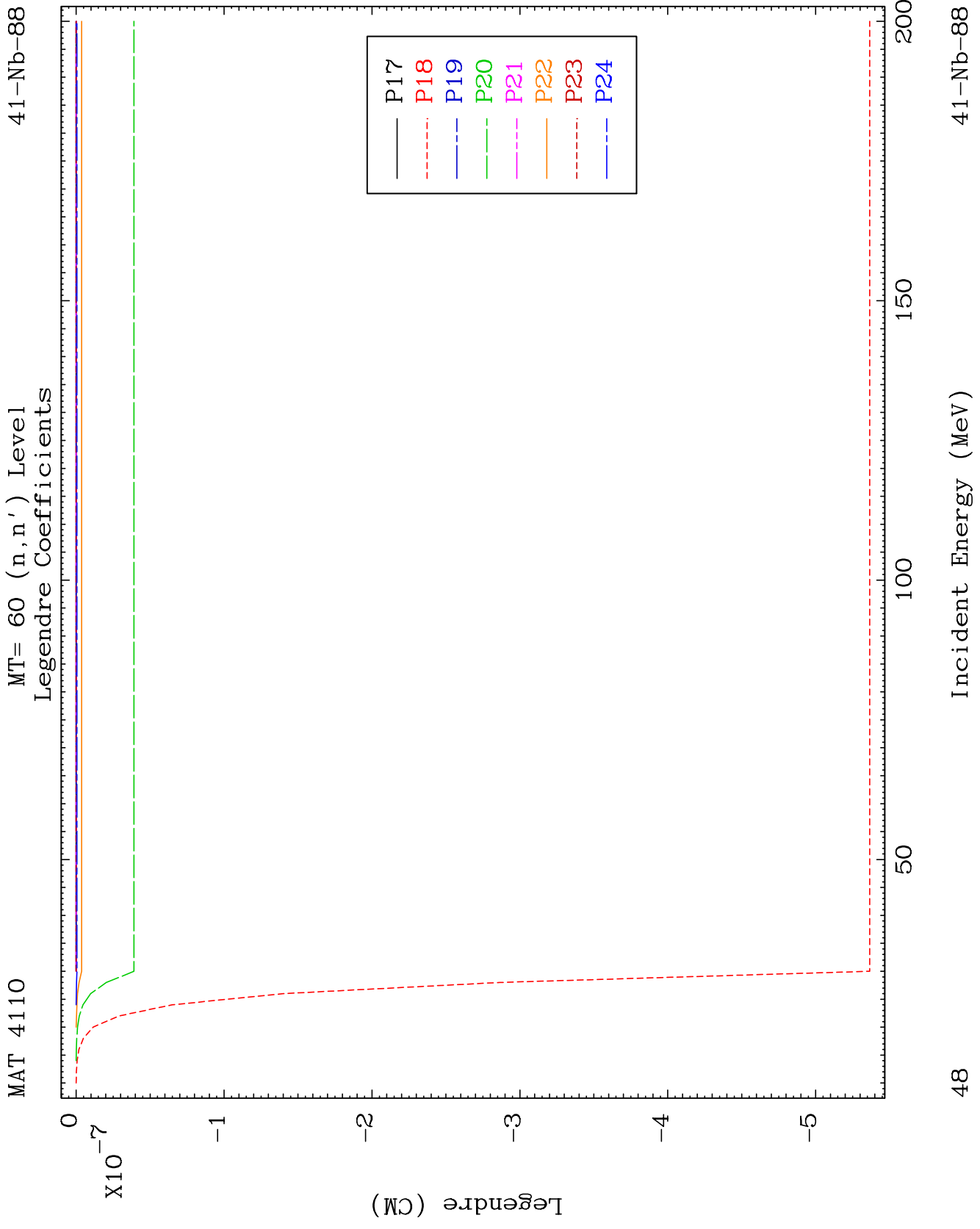


46

Incident Energy (MeV)

41-Nb-88

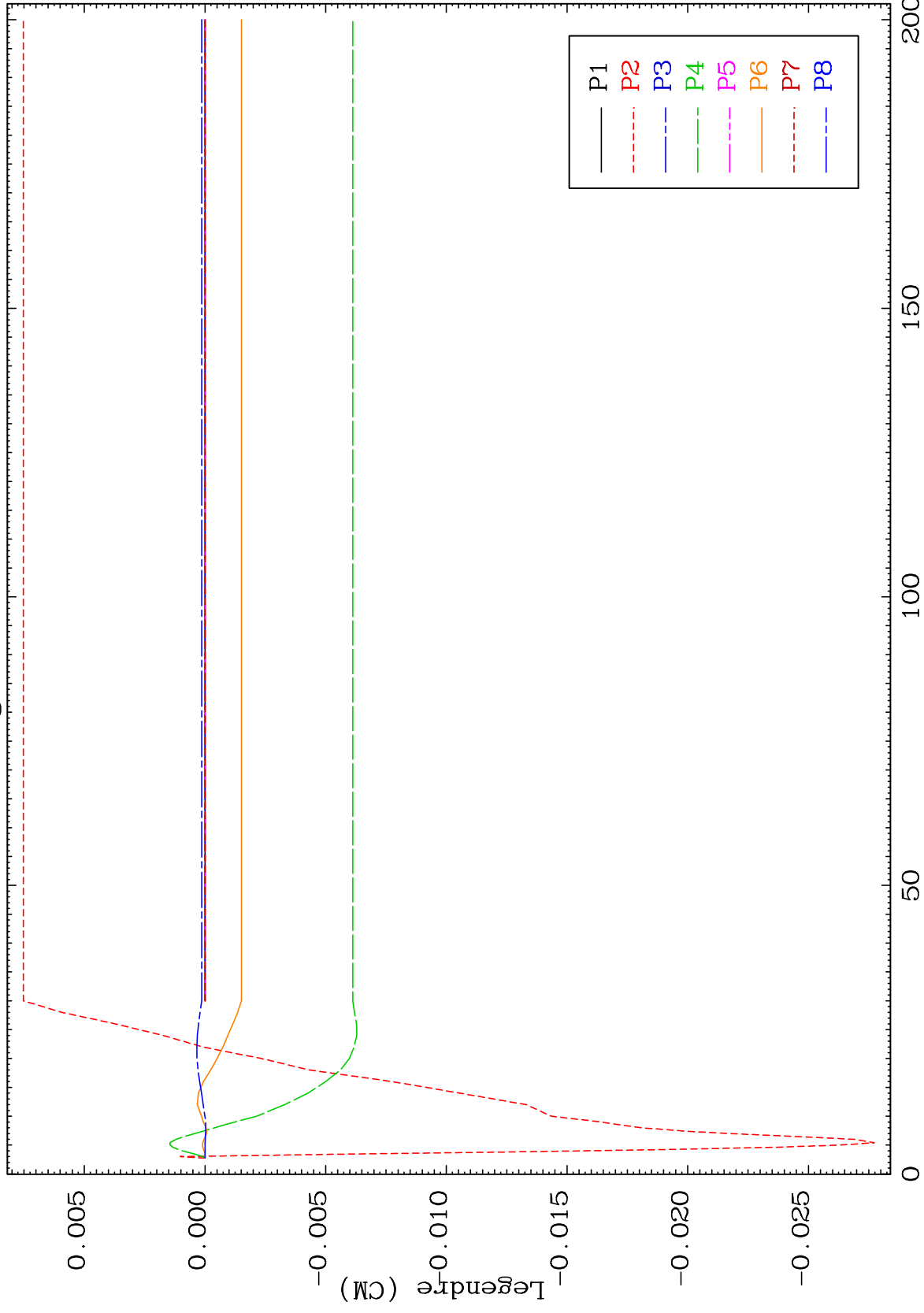




MAT 4110

MT= 61 (n,n') Level
Legendre Coefficients

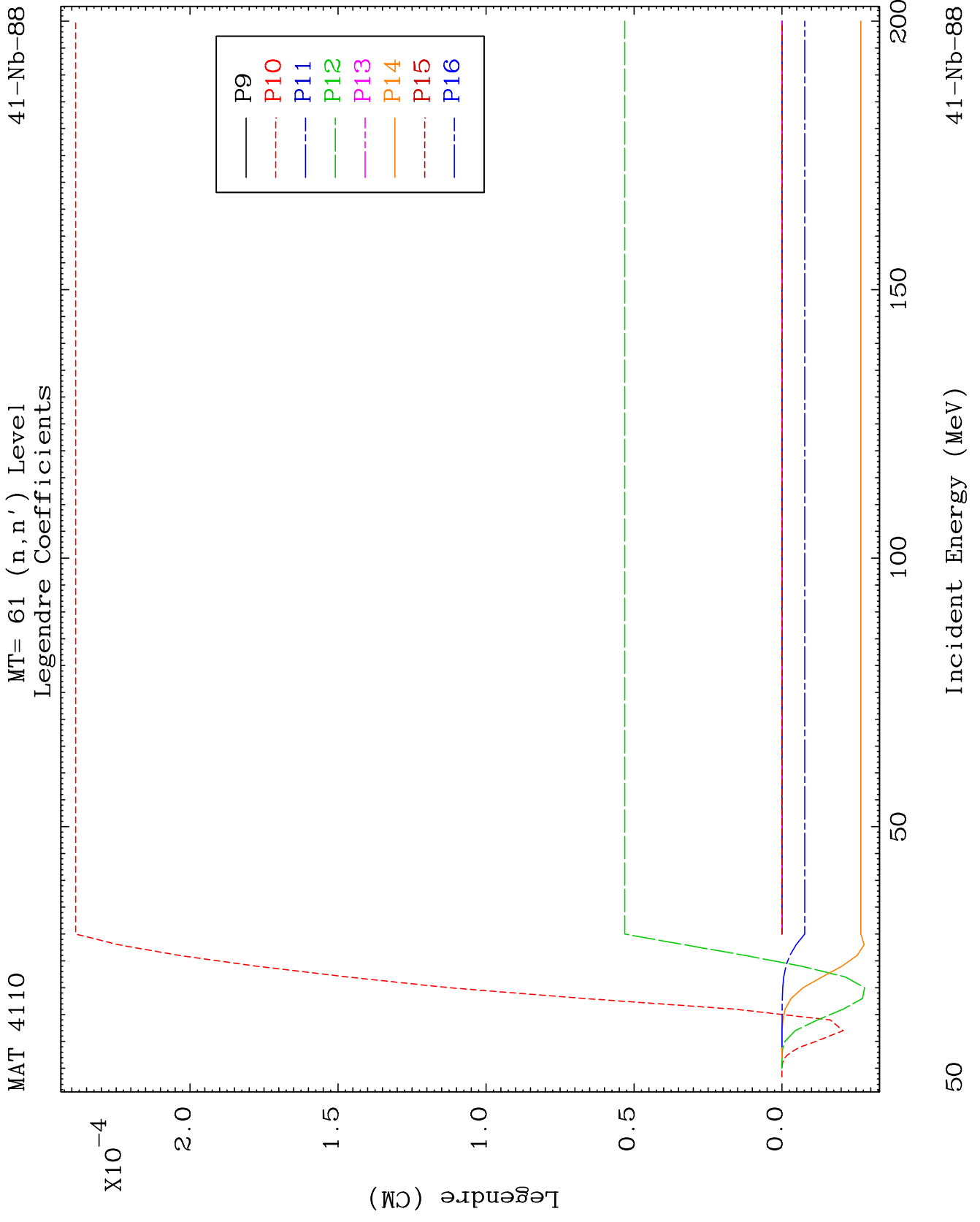
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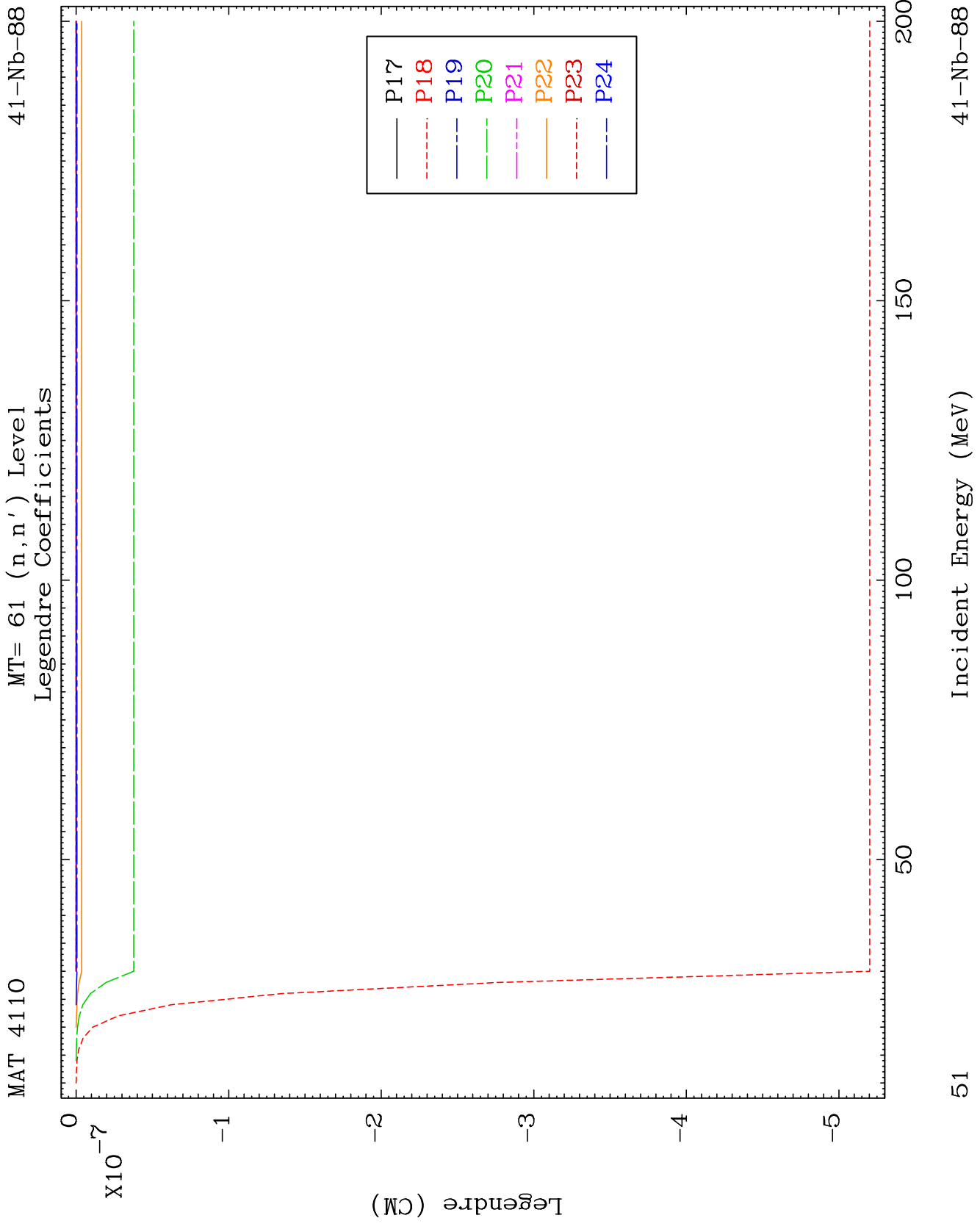


49

Incident Energy (MeV)

41-Nb-88

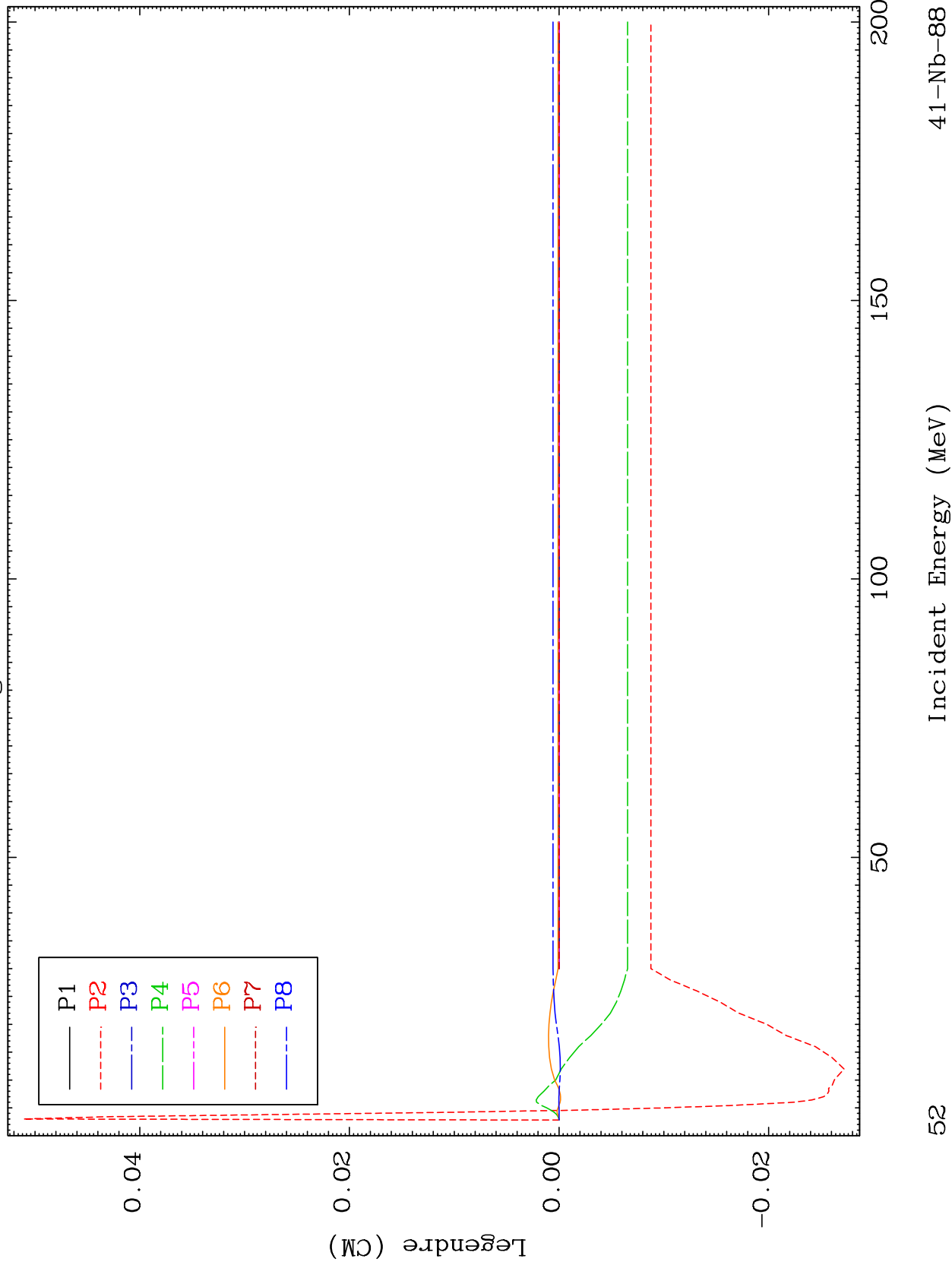




MAT 4110

MT= 62 (n,n') Level
Legendre Coefficients

41-Nb-88



52

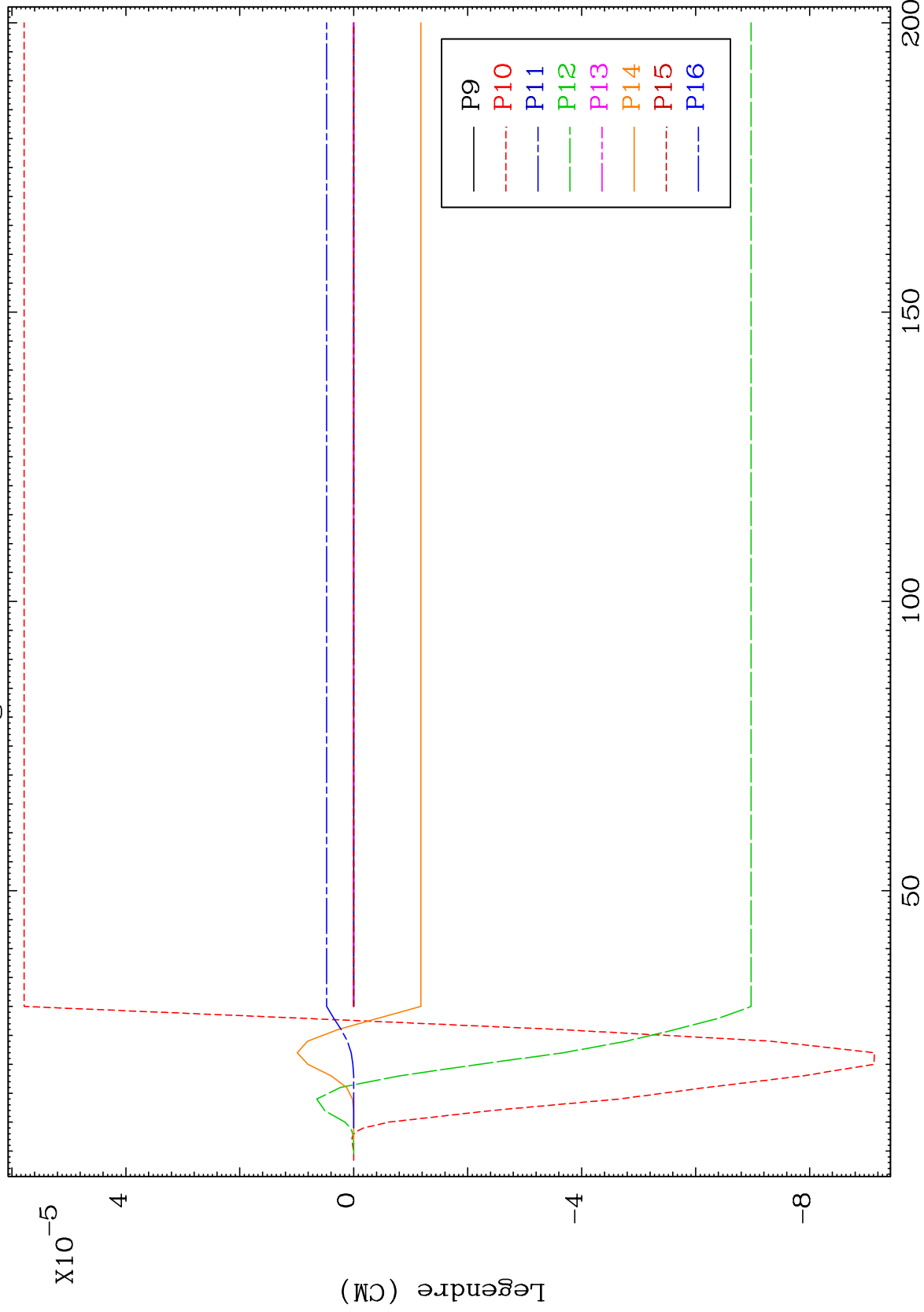
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 62 (n,n') Level
Legendre Coefficients

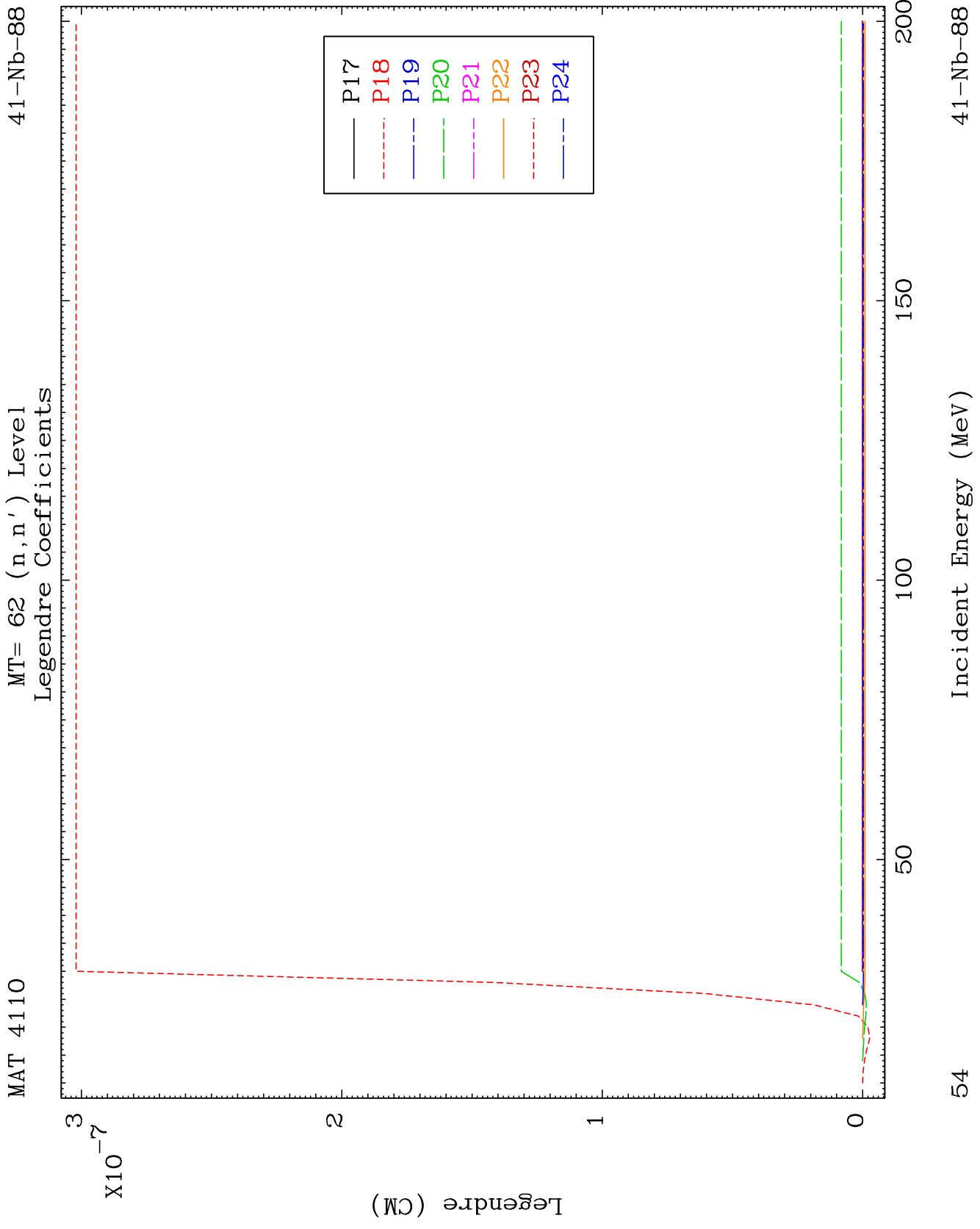
41-Nb-88



53

Incident Energy (MeV)

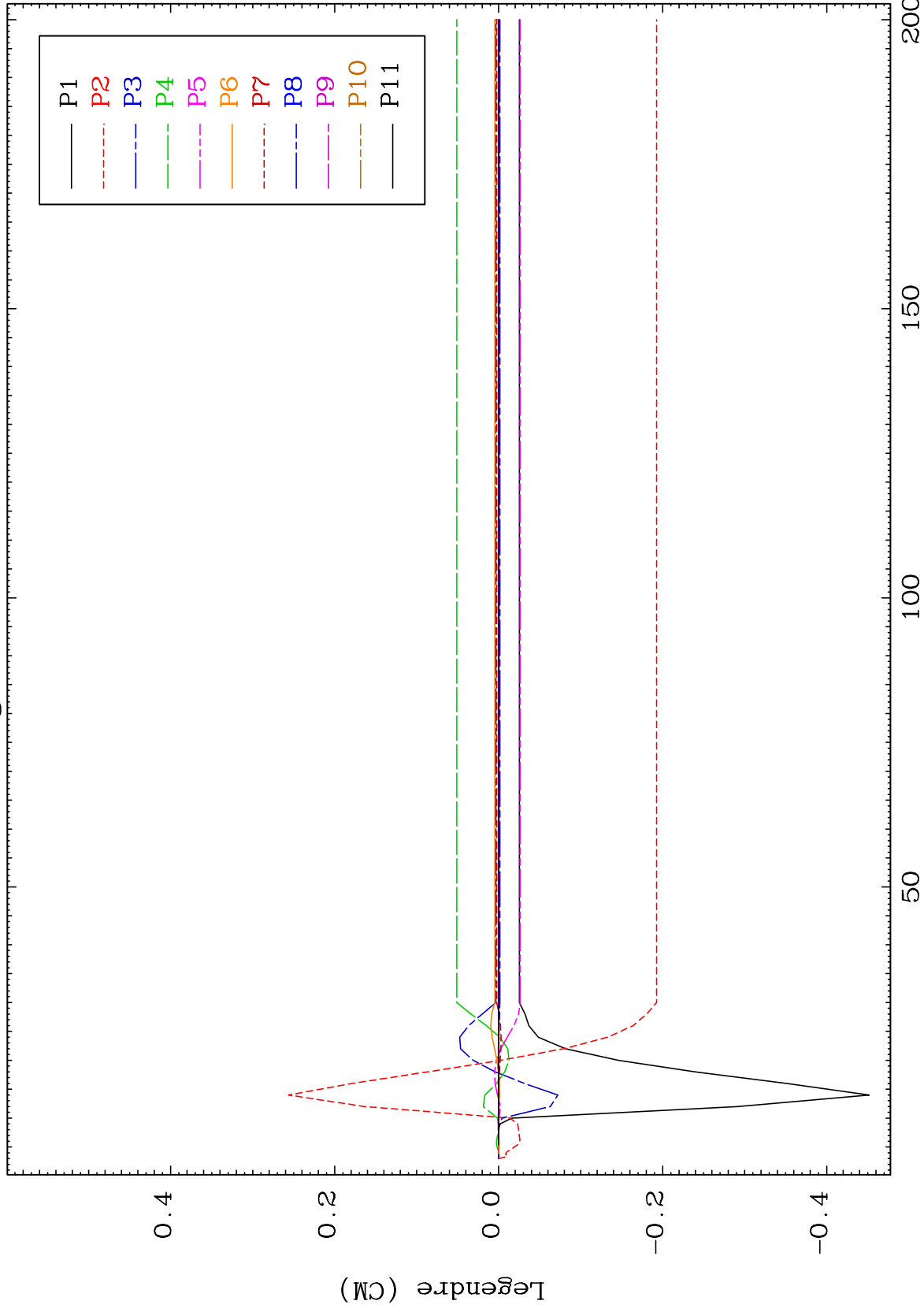
41-Nb-88



MAT 4110

MT= 63 (n,n') Level
Legendre Coefficients

41-Nb-88



55

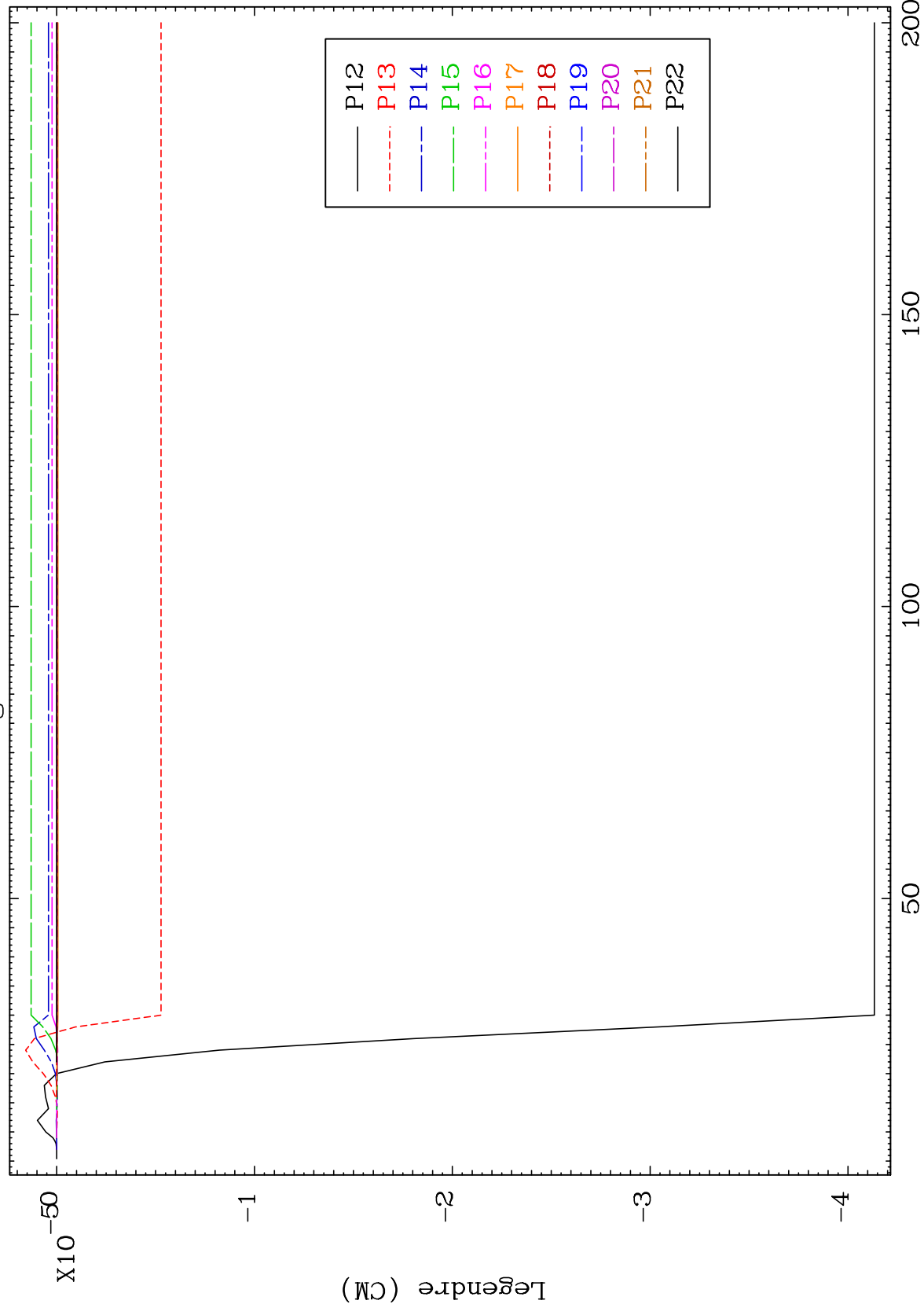
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 63 (n,n') Level
Legendre Coefficients

41-Nb-88



X10⁻⁵⁰

56

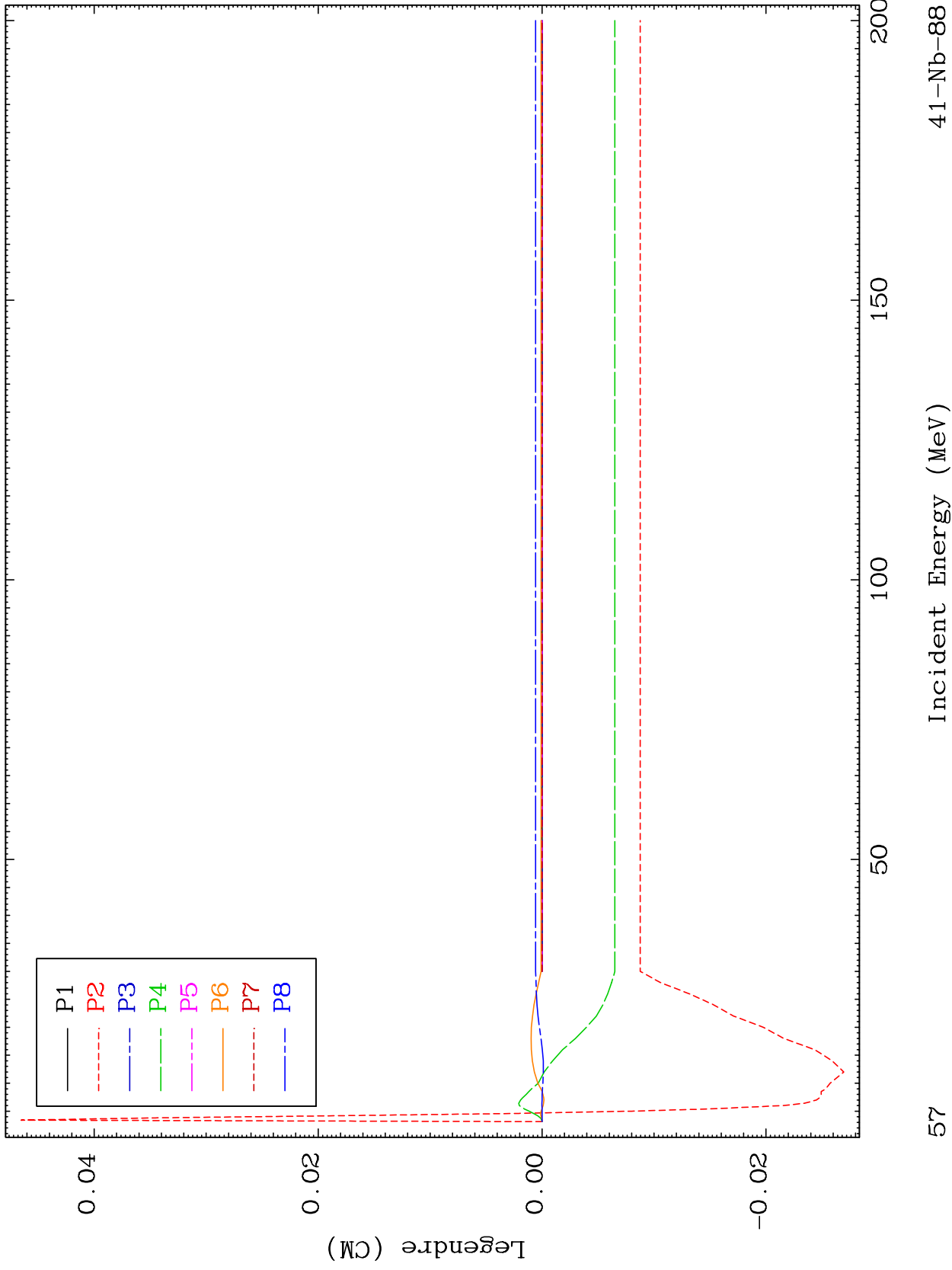
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 64 (n,n') Level
Legendre Coefficients

41-Nb-88



57

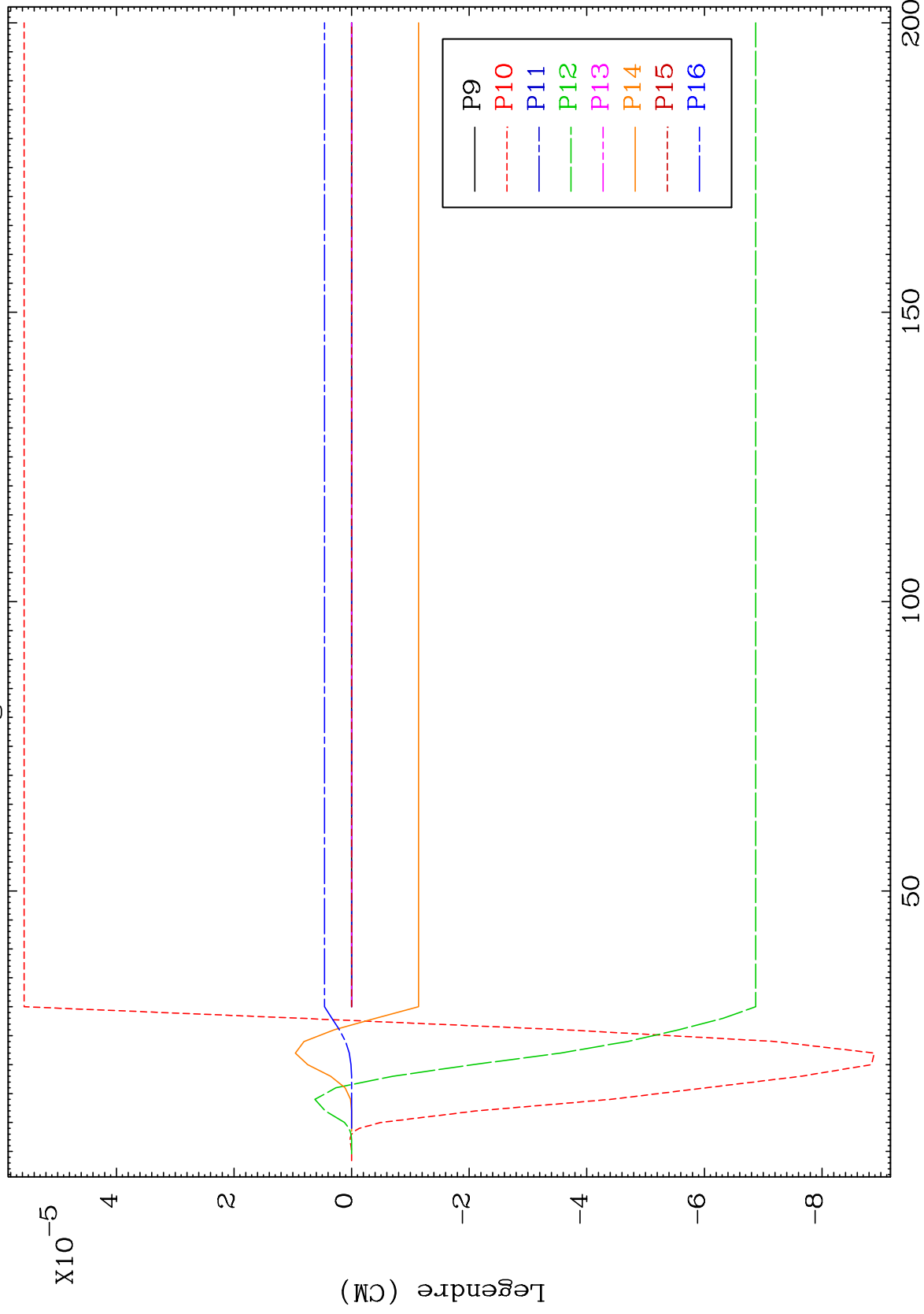
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 64 (n,n') Level
Legendre Coefficients

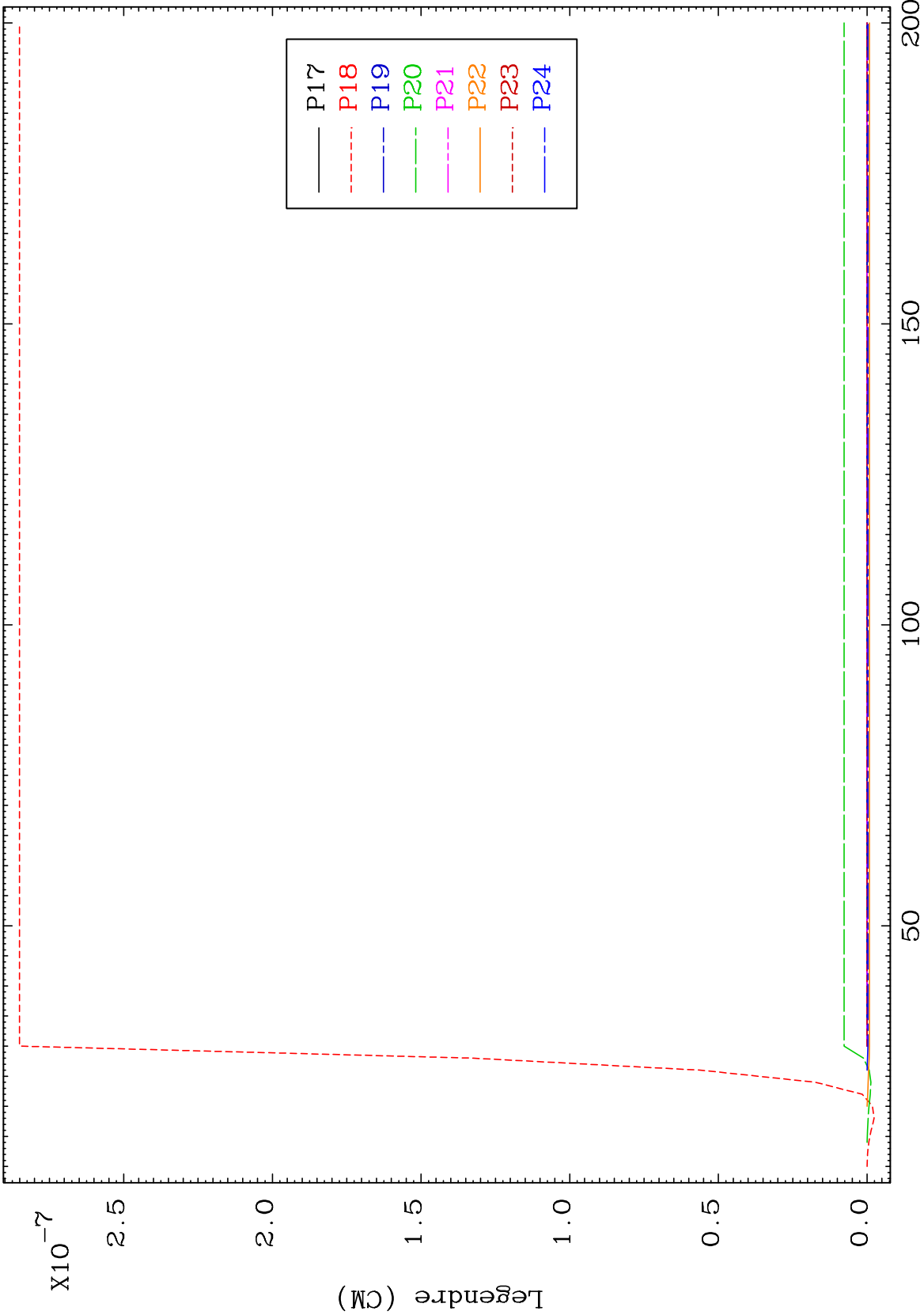
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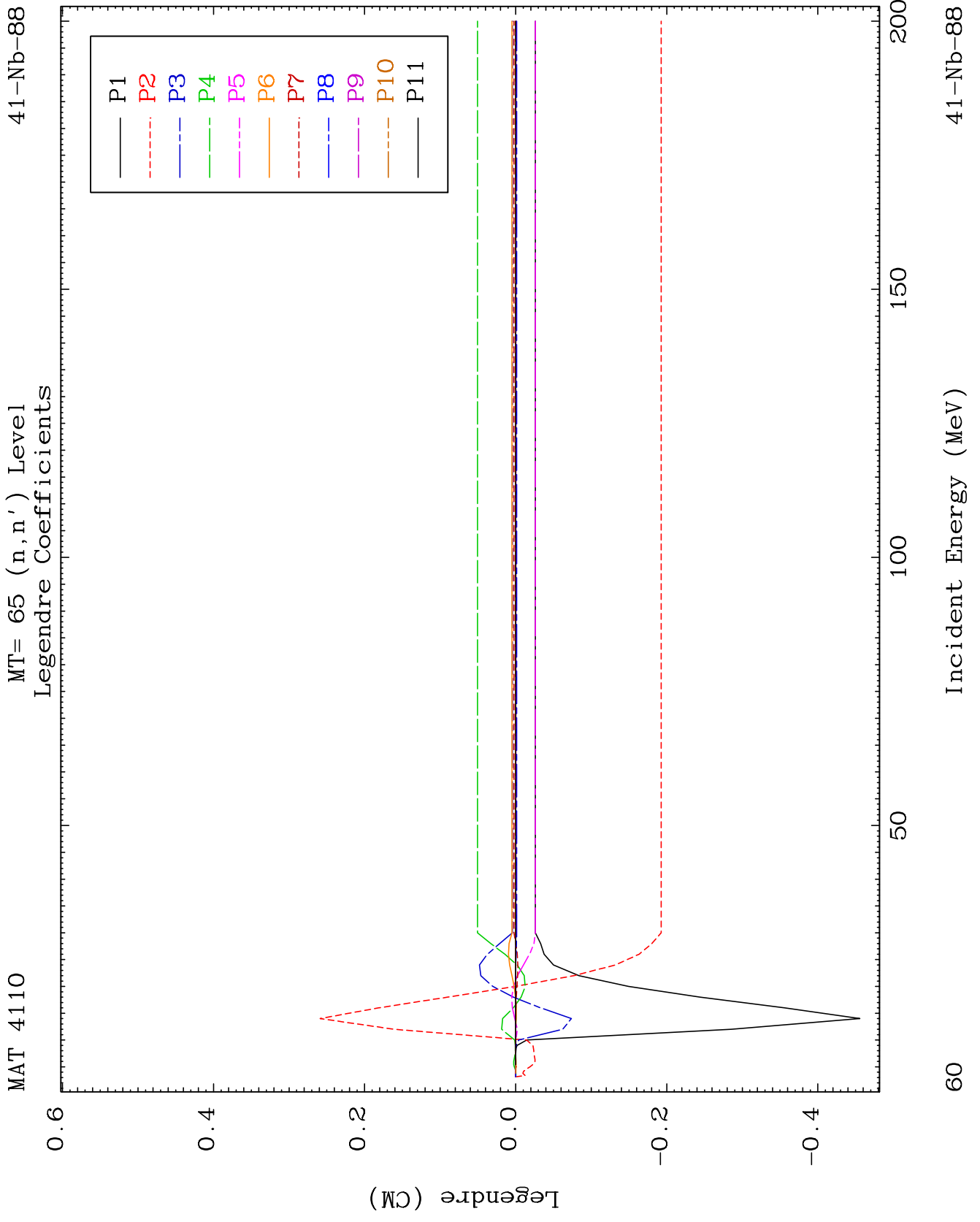


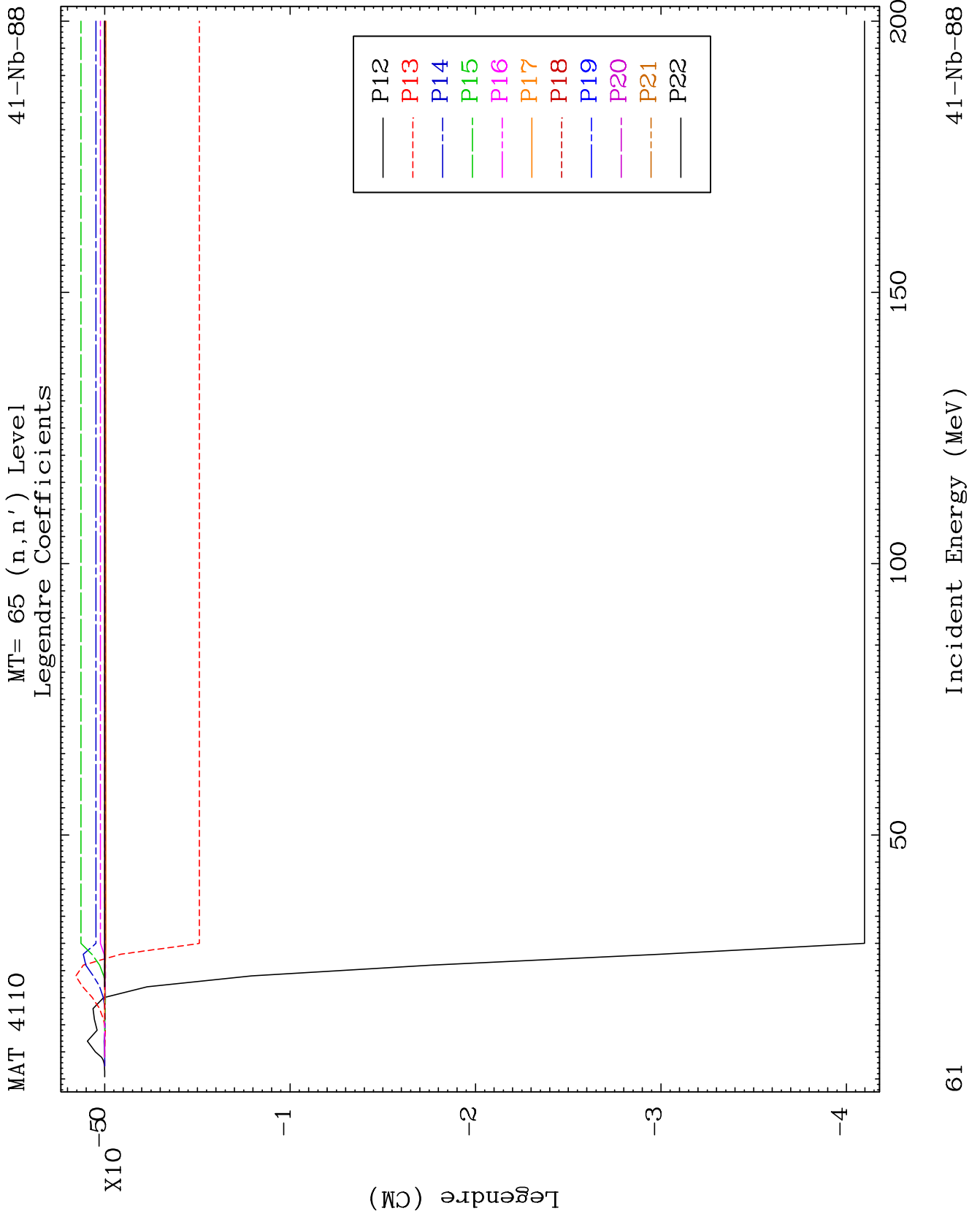
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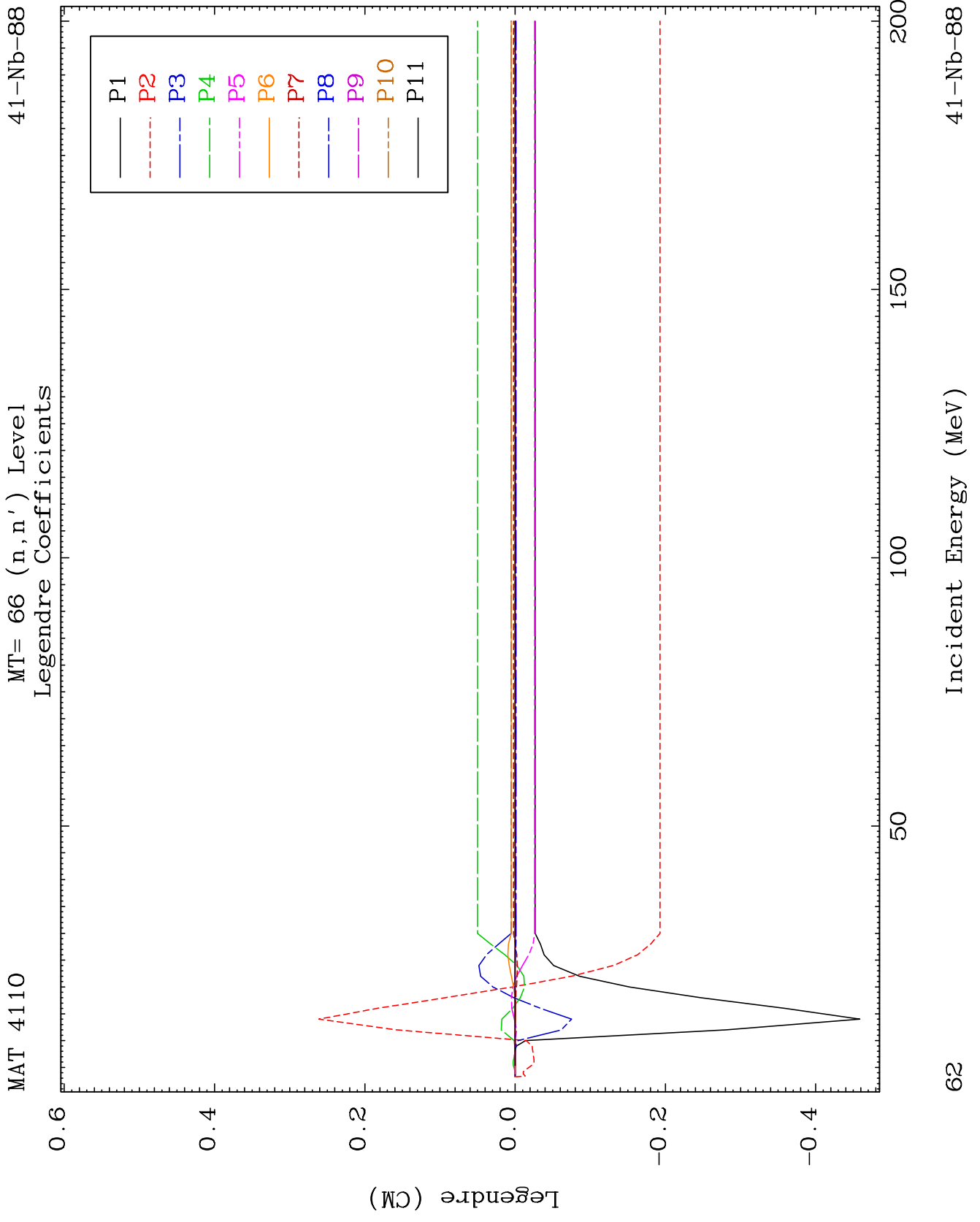
Incident Energy (MeV)

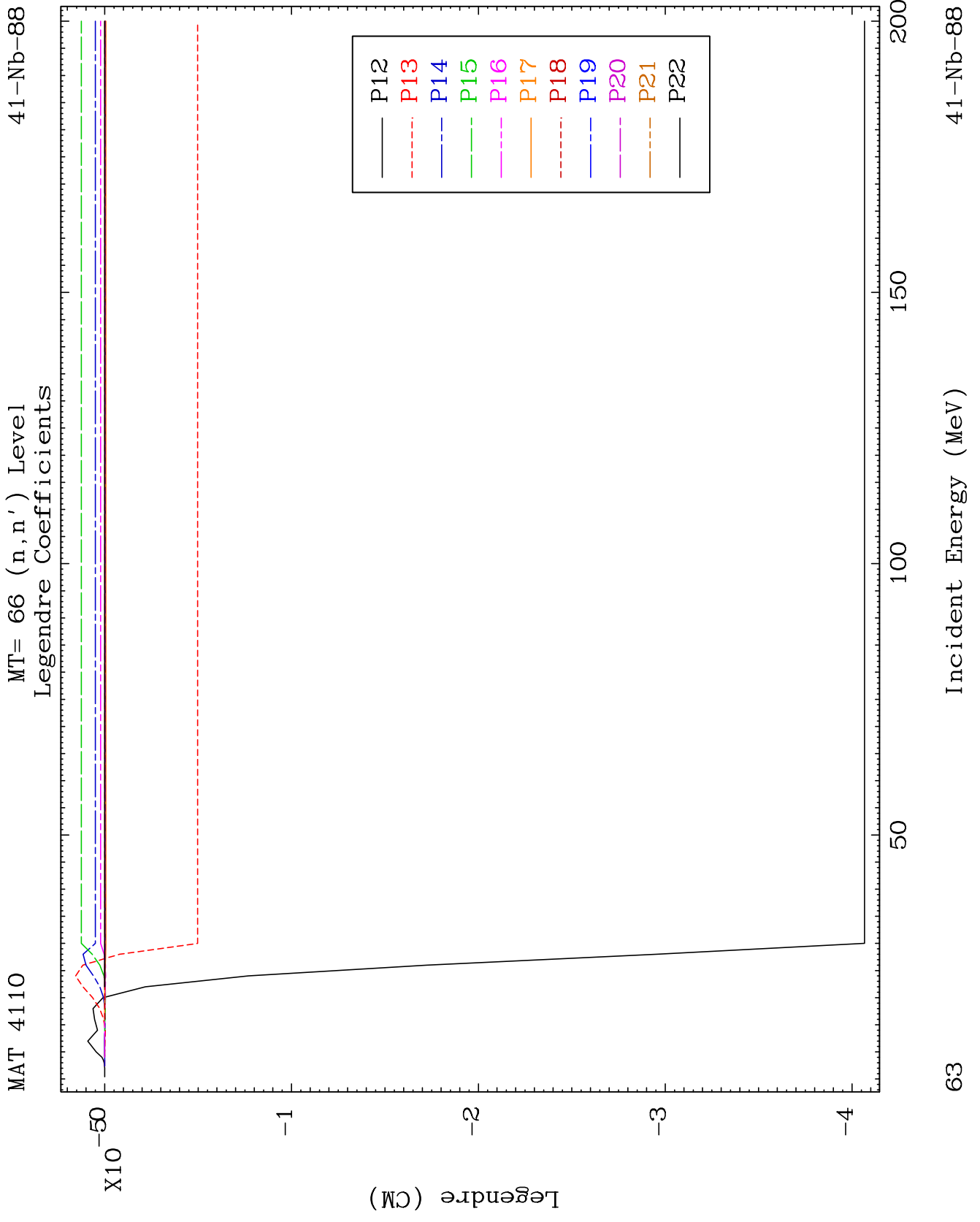
41-Nb-88







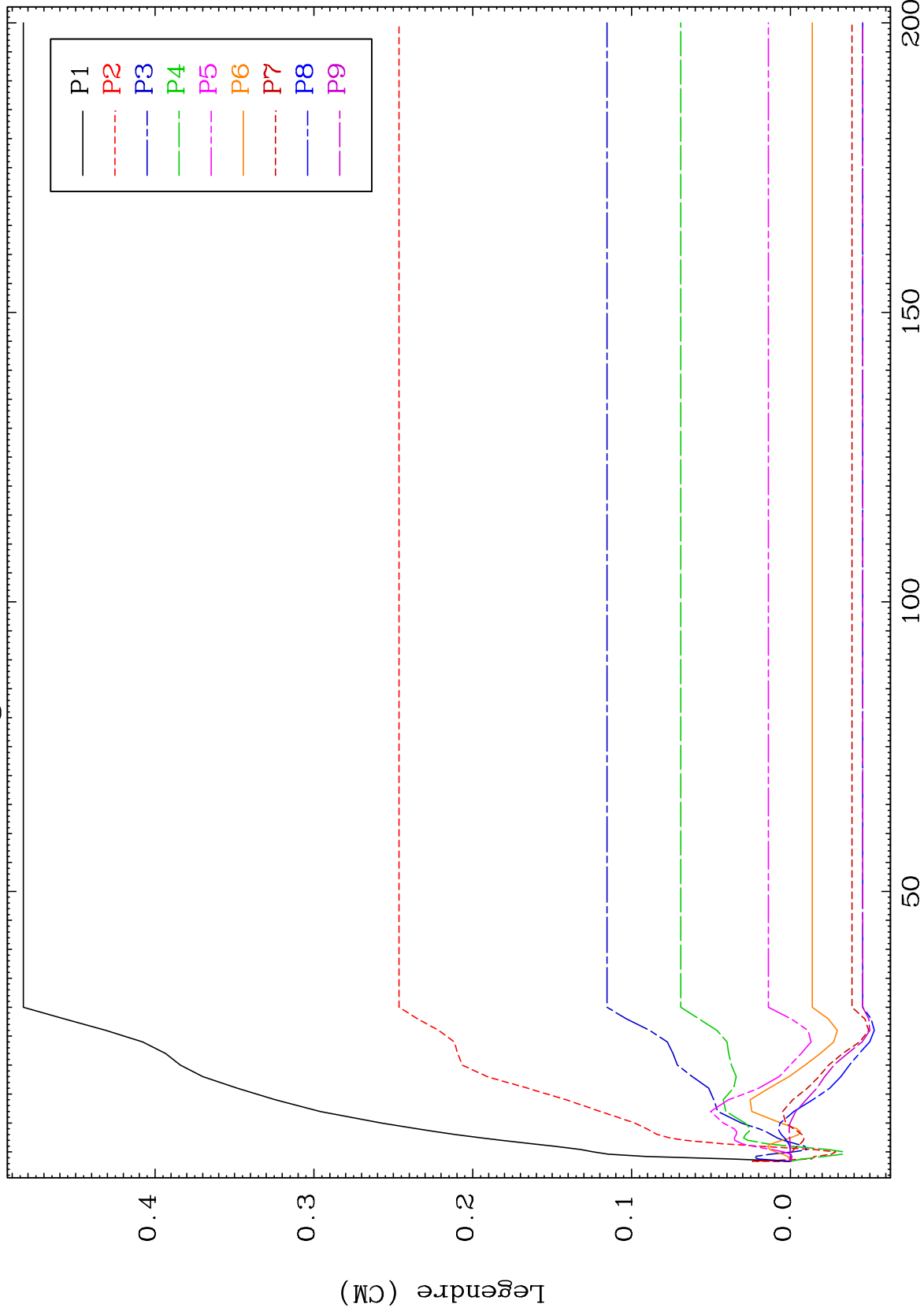




MAT 4110

MT= 67 (n,n') Level
Legendre Coefficients

41-Nb-88



64

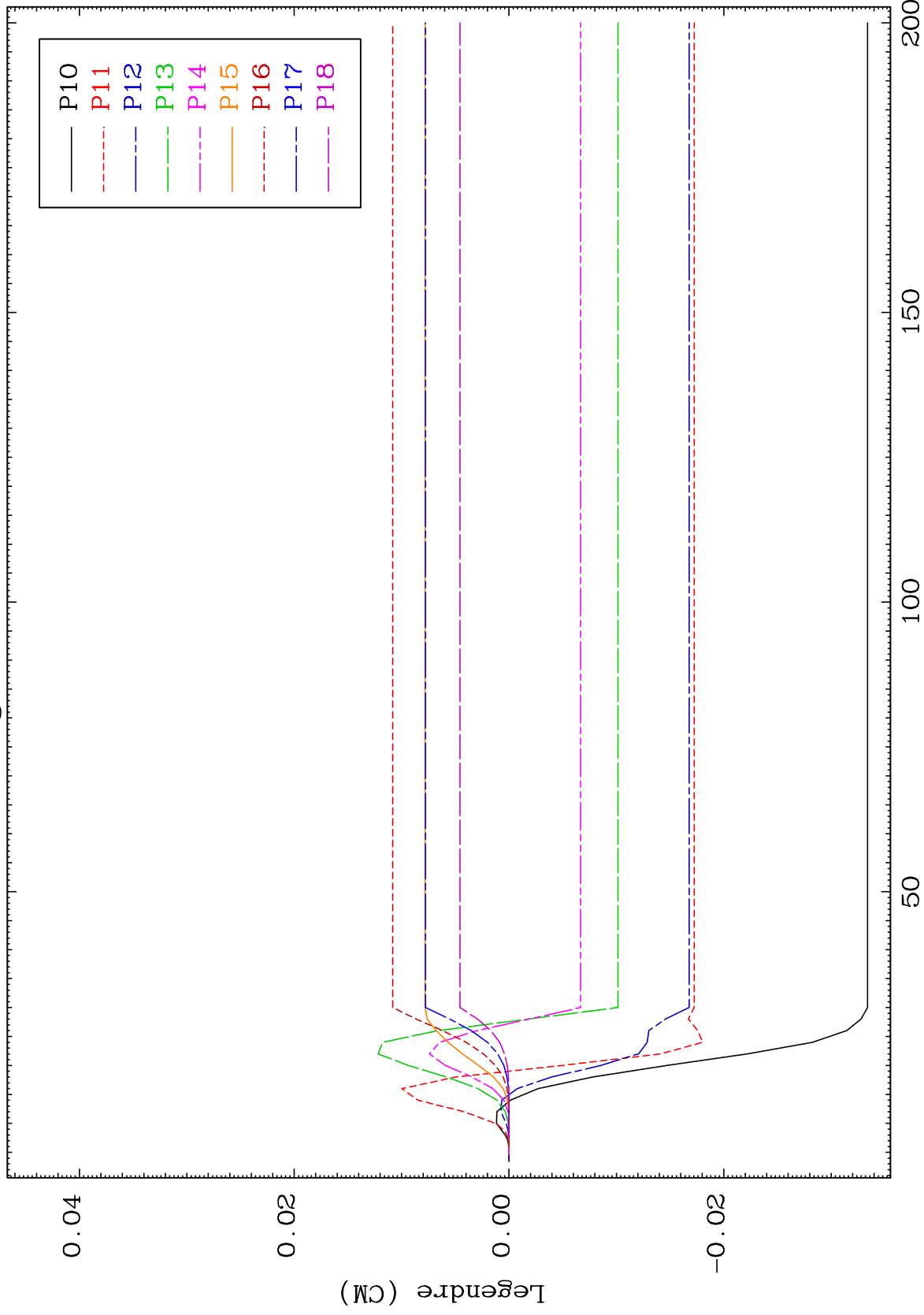
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 67 (n,n') Level
Legendre Coefficients

41-Nb-88



65

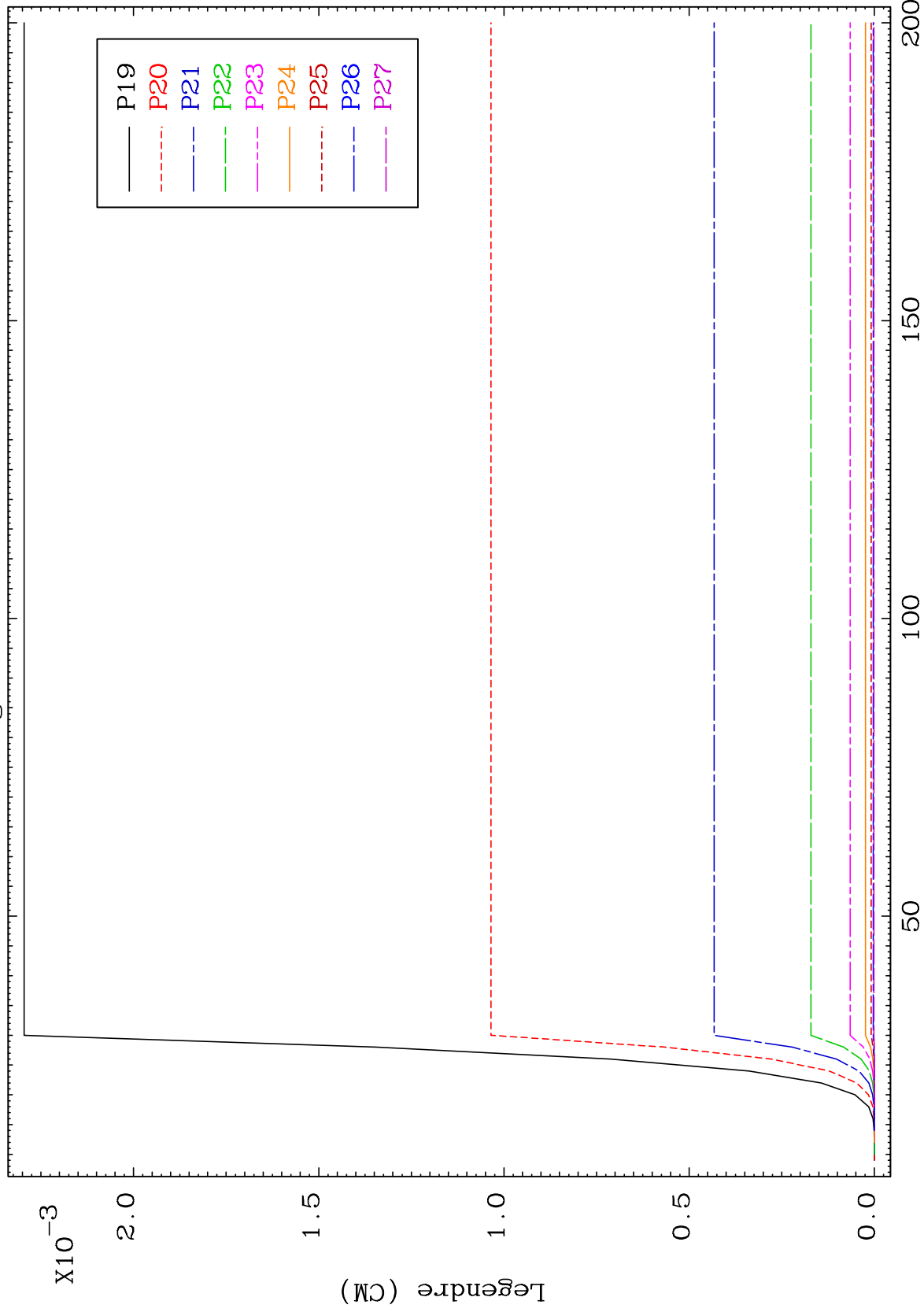
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 67 (n,n') Level
Legendre Coefficients

41-Nb-88



66

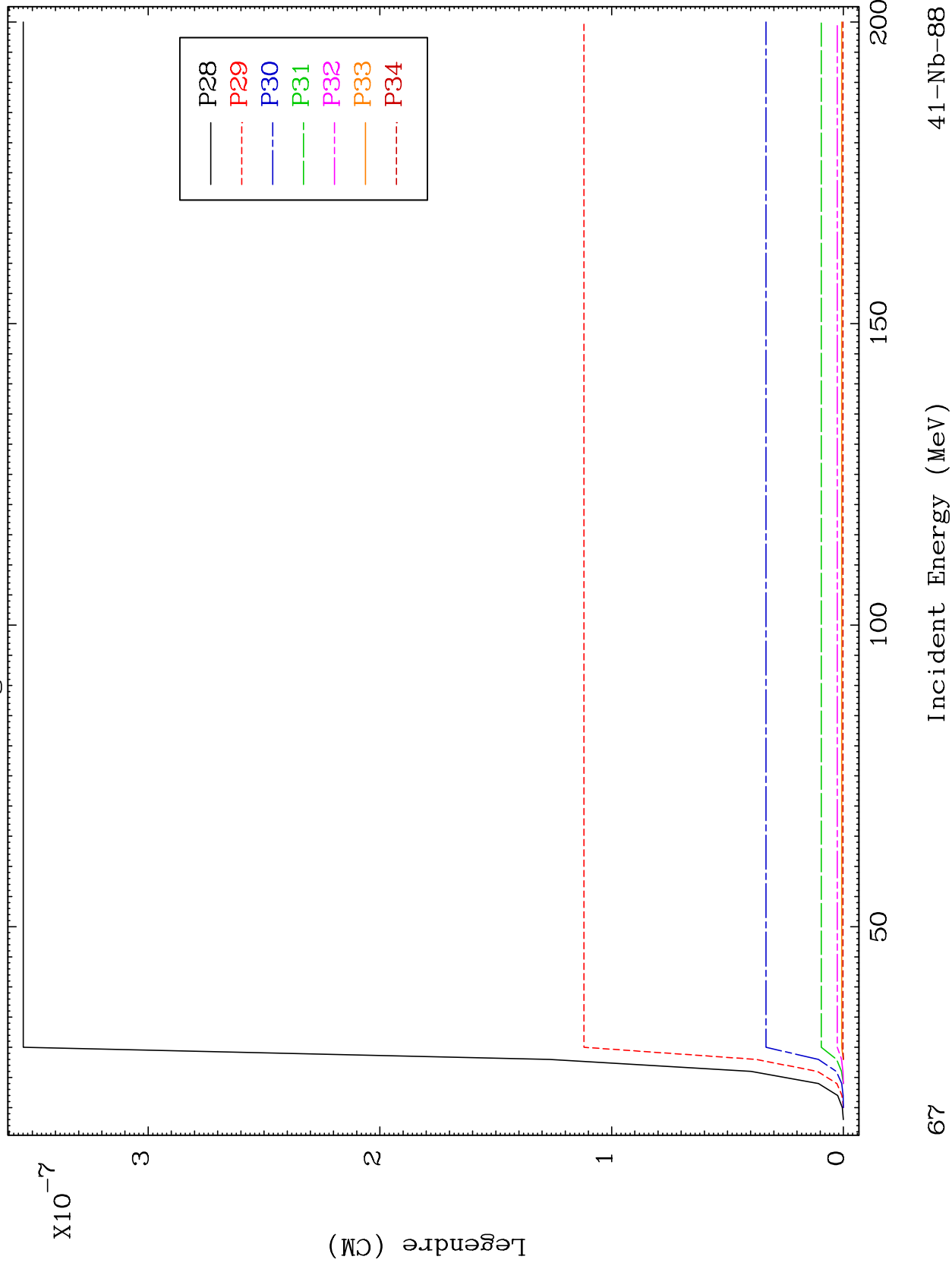
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 67 (n,n') Level
Legendre Coefficients

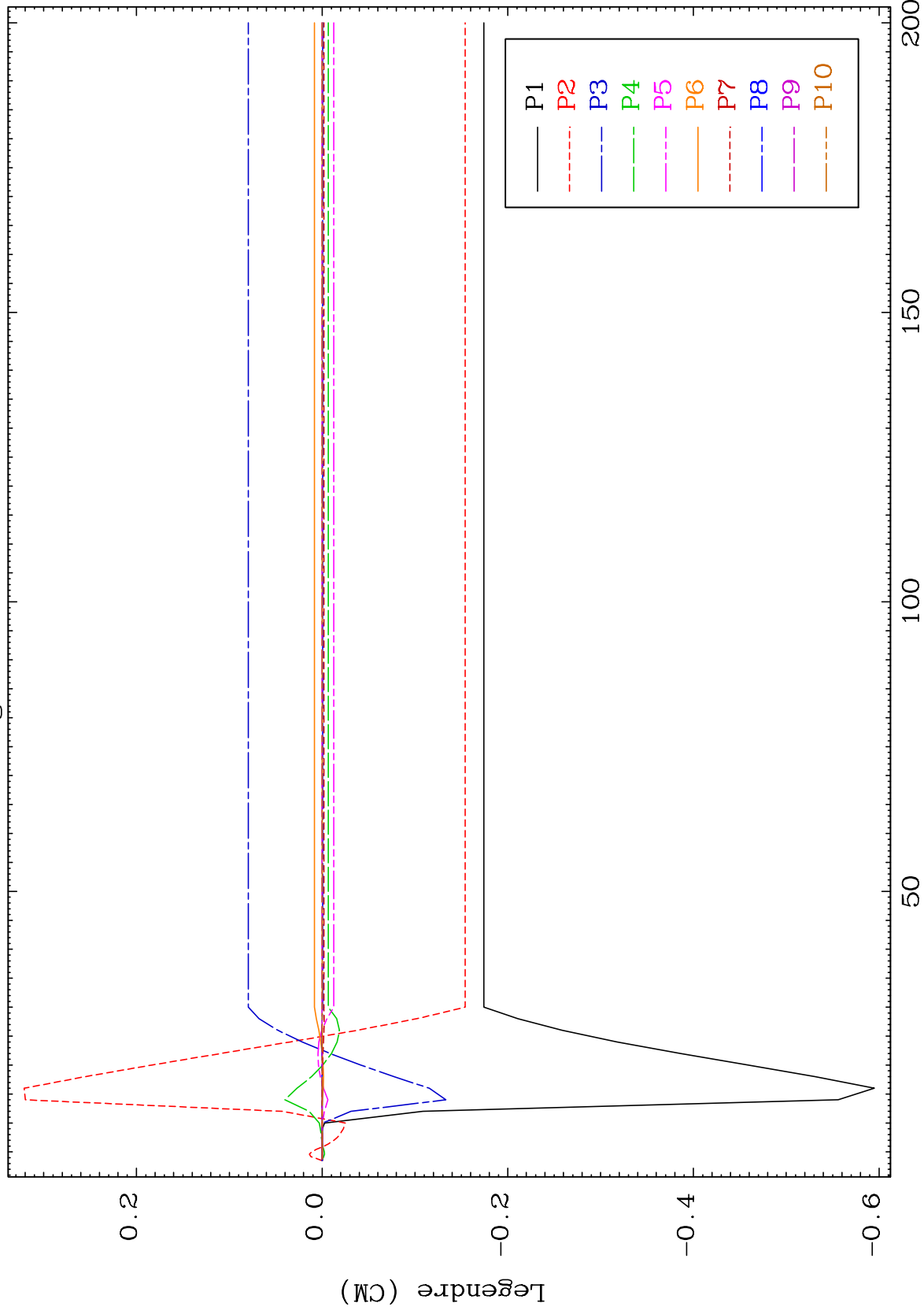
41-Nb-88



MAT 4110

MT= 68 (n,n') Level
Legendre Coefficients

41-Nb-88



68

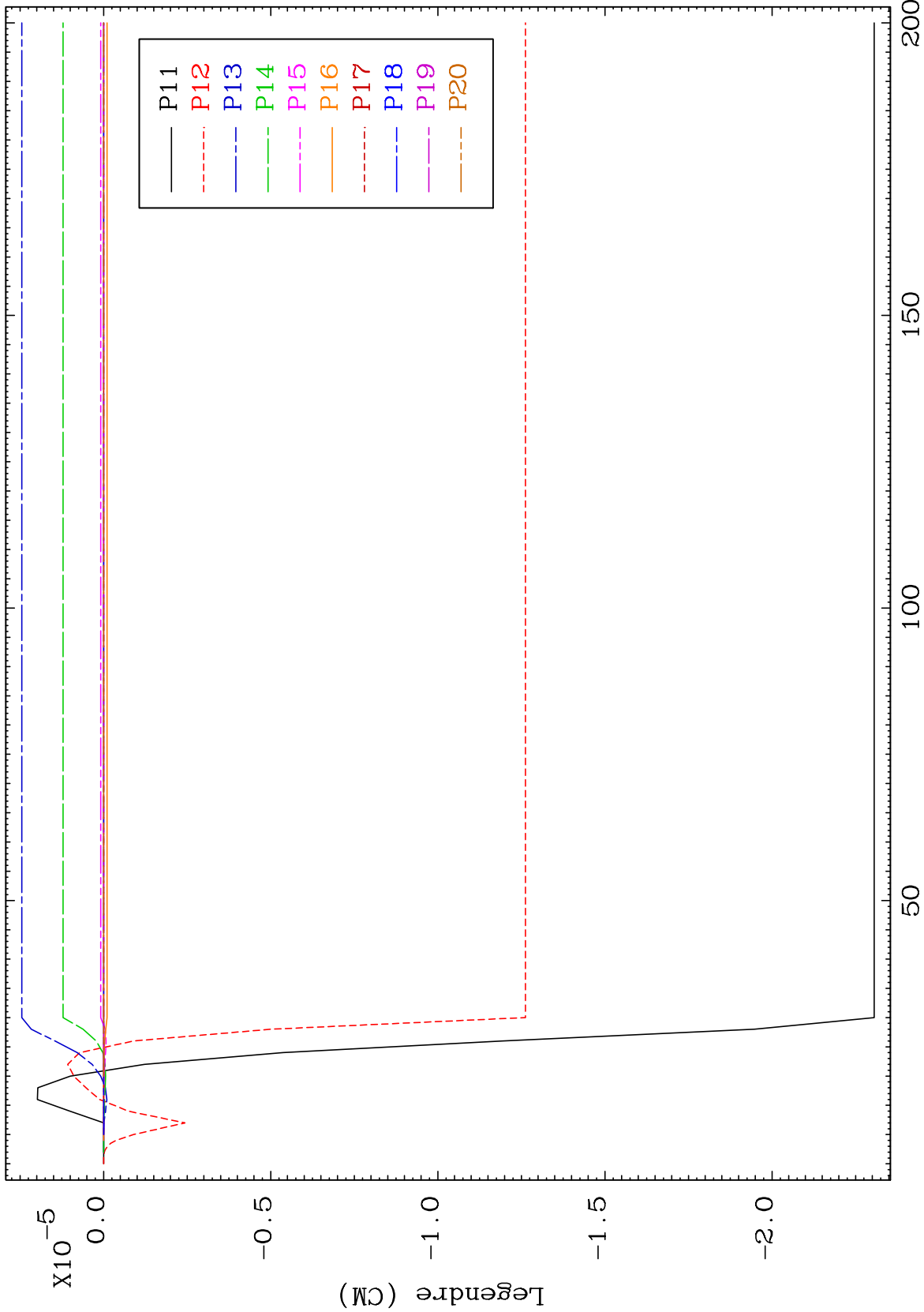
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 68 (n,n') Level
Legendre Coefficients

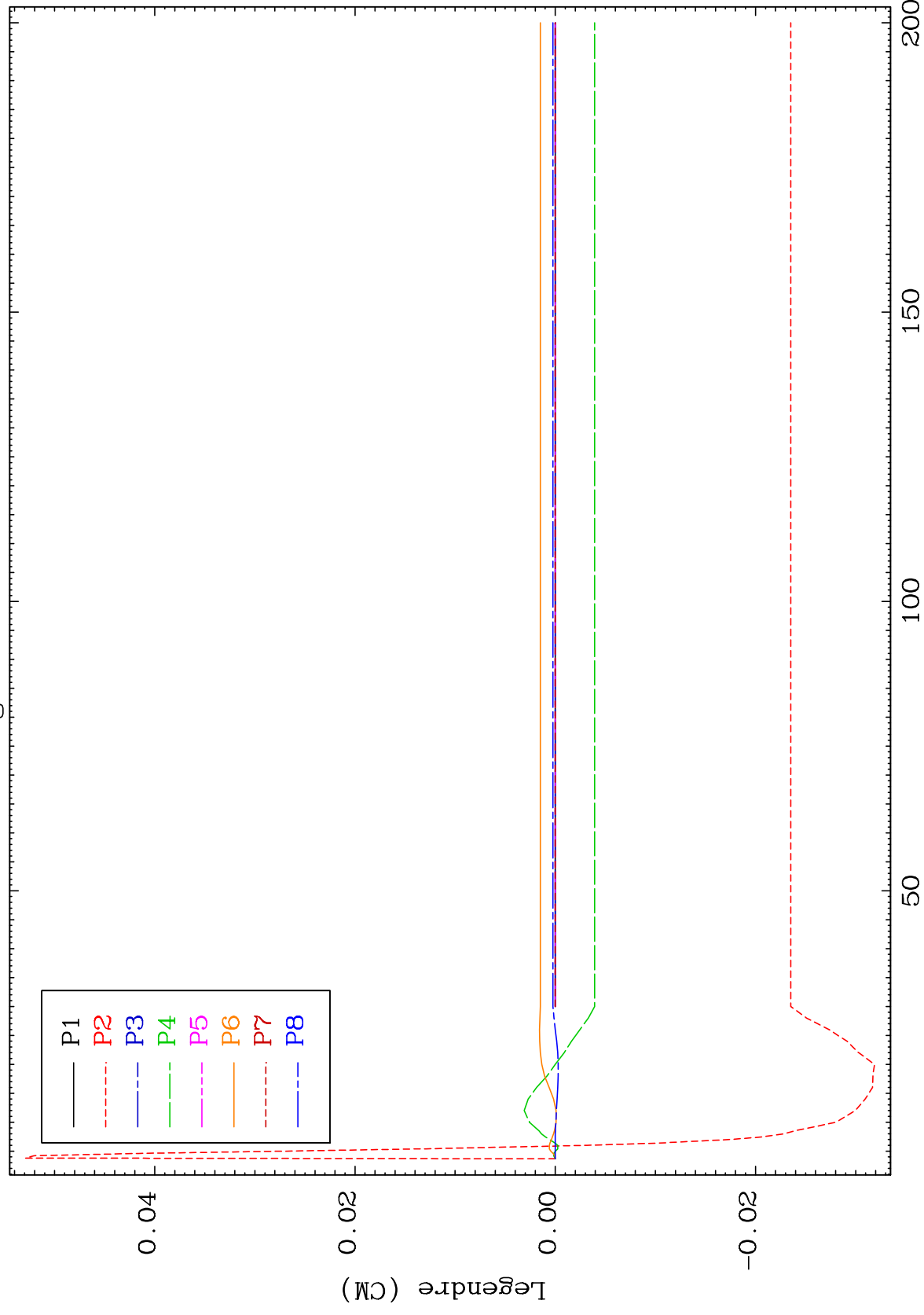
41-Nb-88



MAT 4110

MT= 69 (n,n') Level
Legendre Coefficients

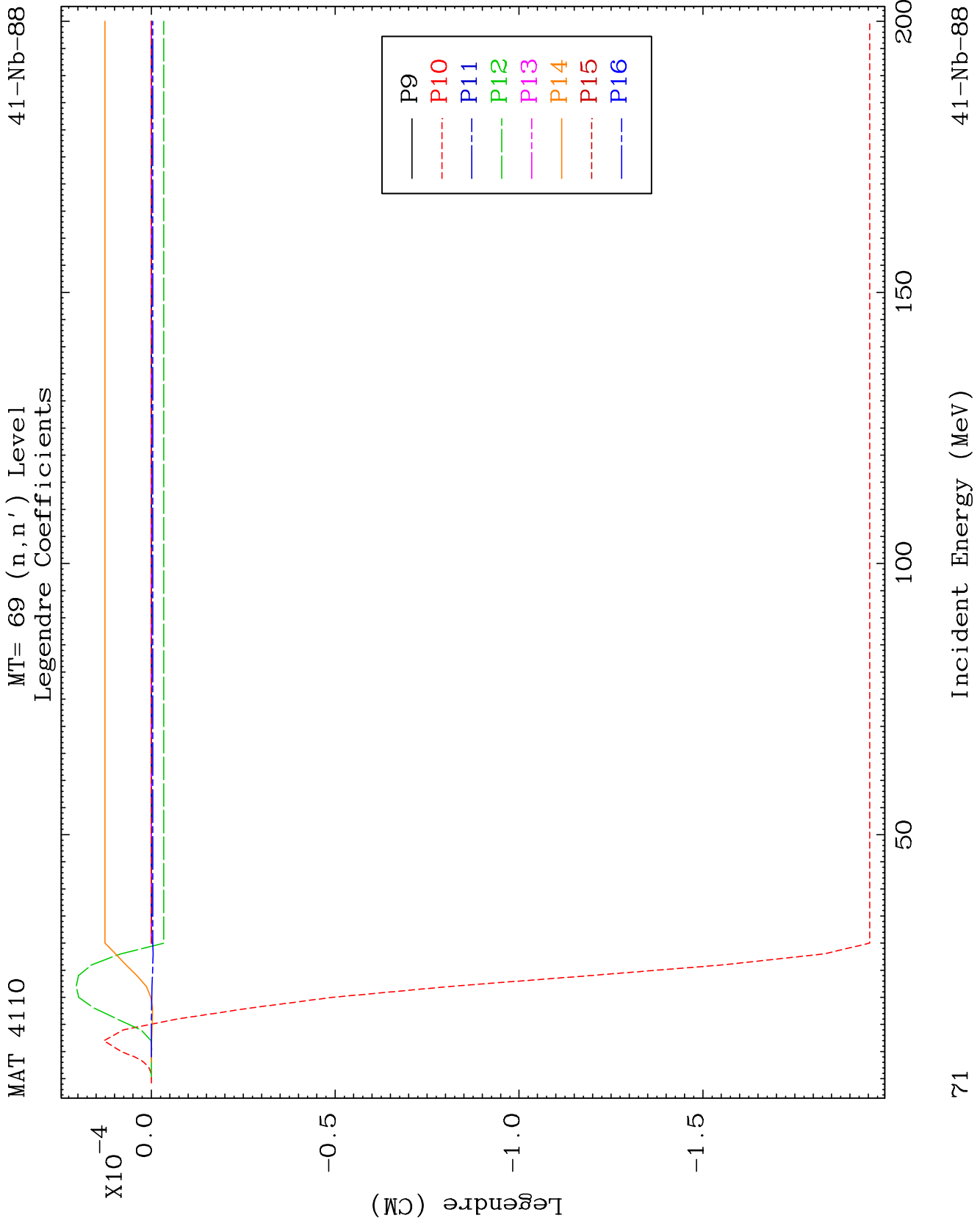
41-Nb-88

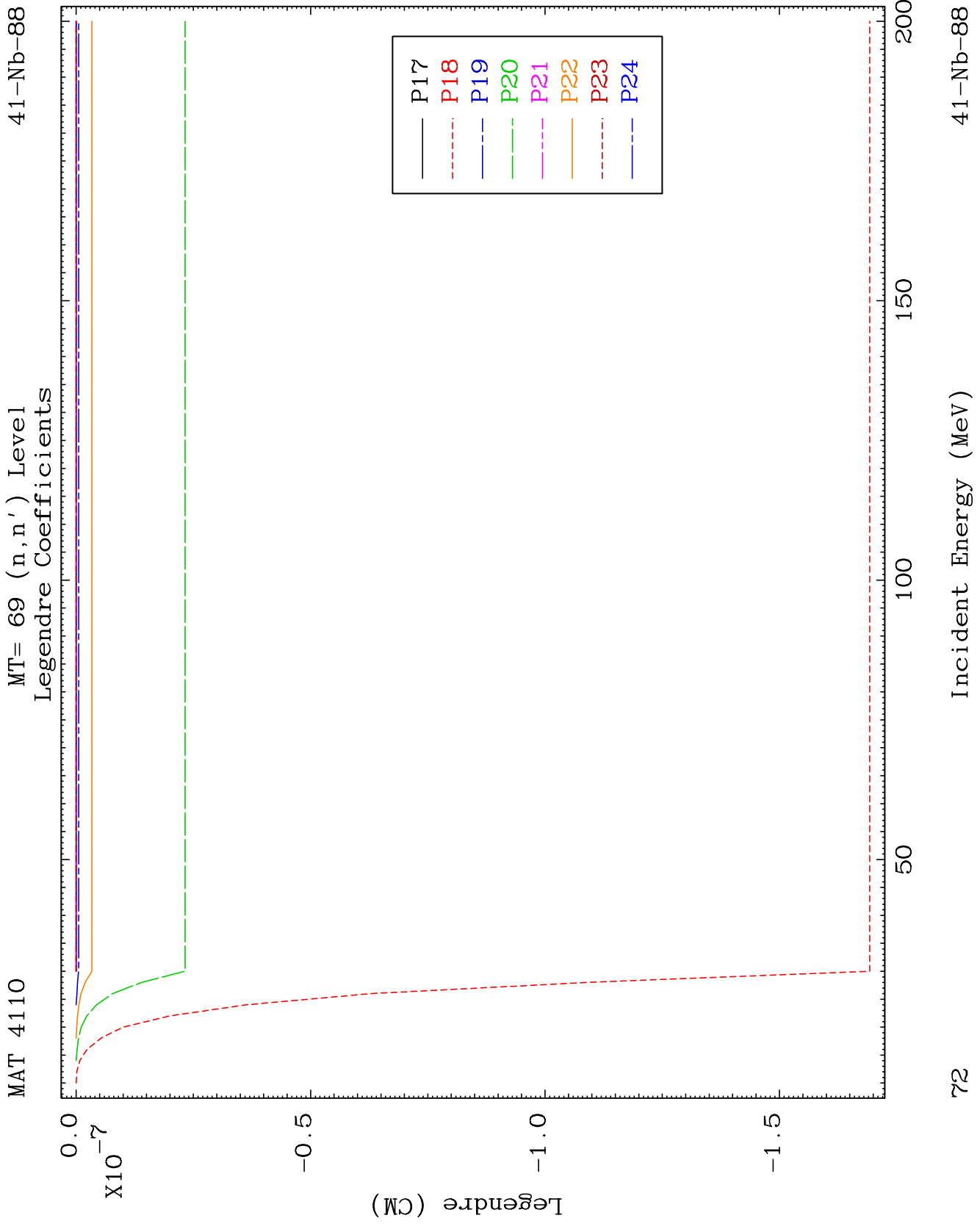


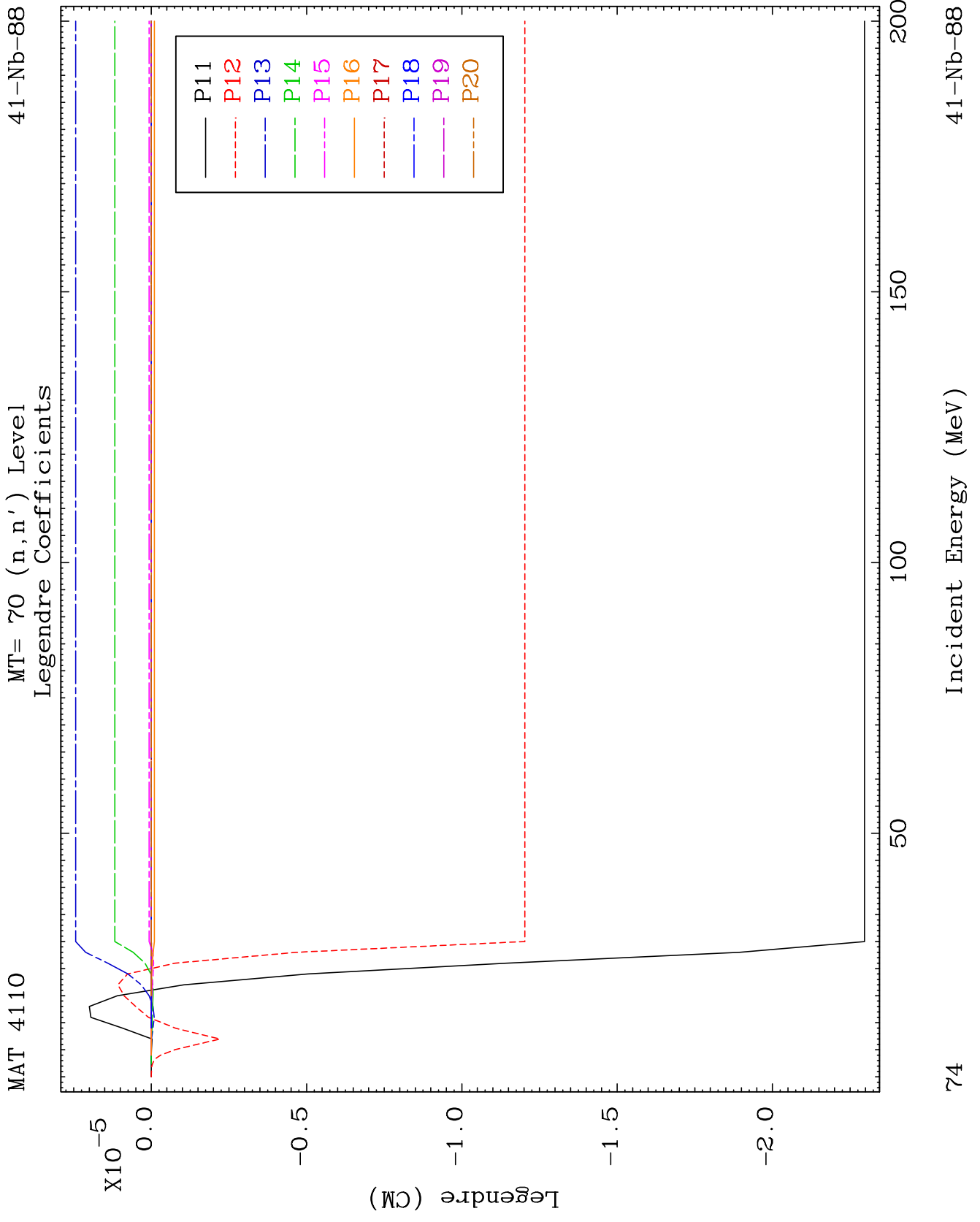
70

Incident Energy (MeV)

41-Nb-88



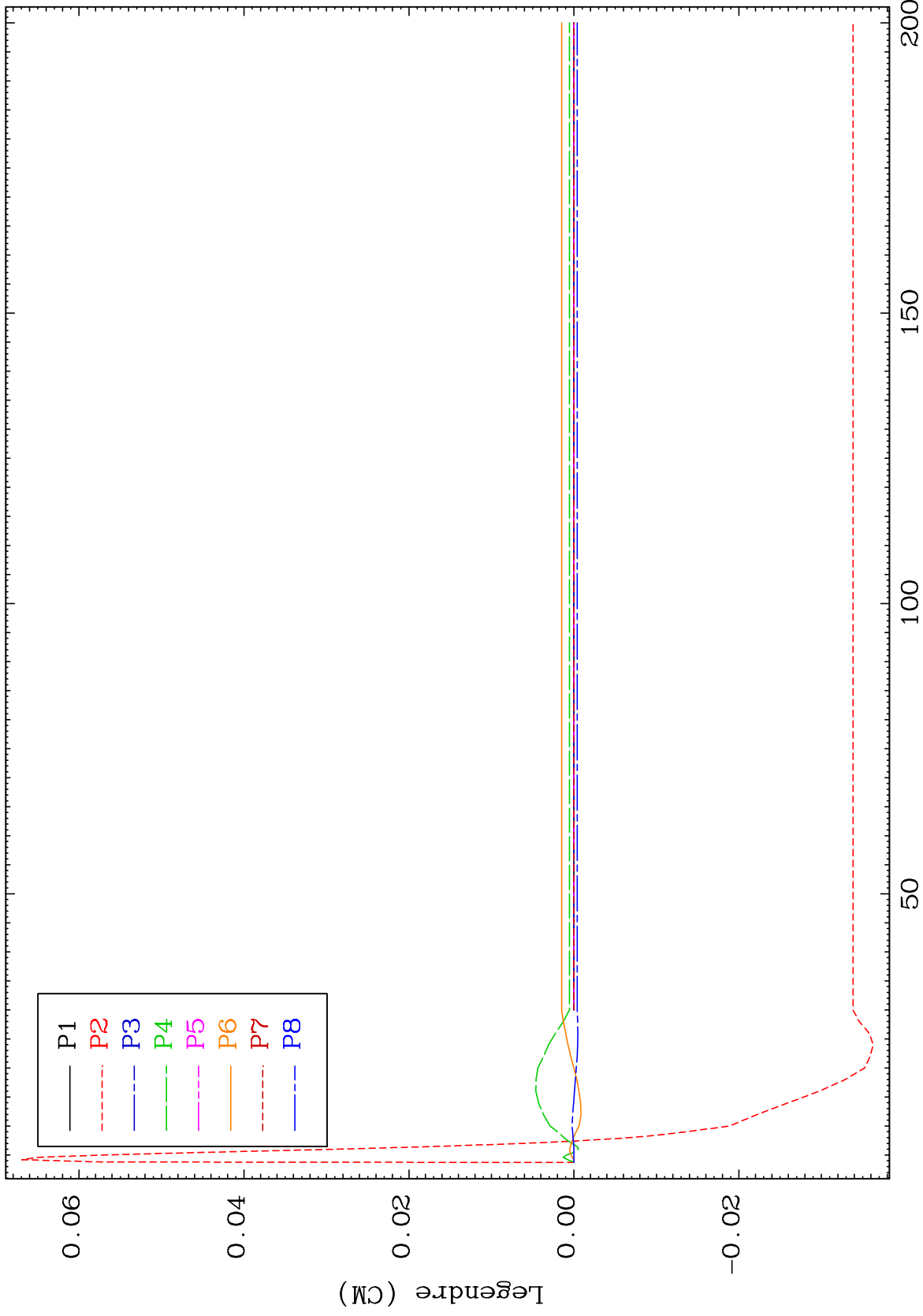




MAT 4110

MT= 71 (n,n') Level
Legendre Coefficients

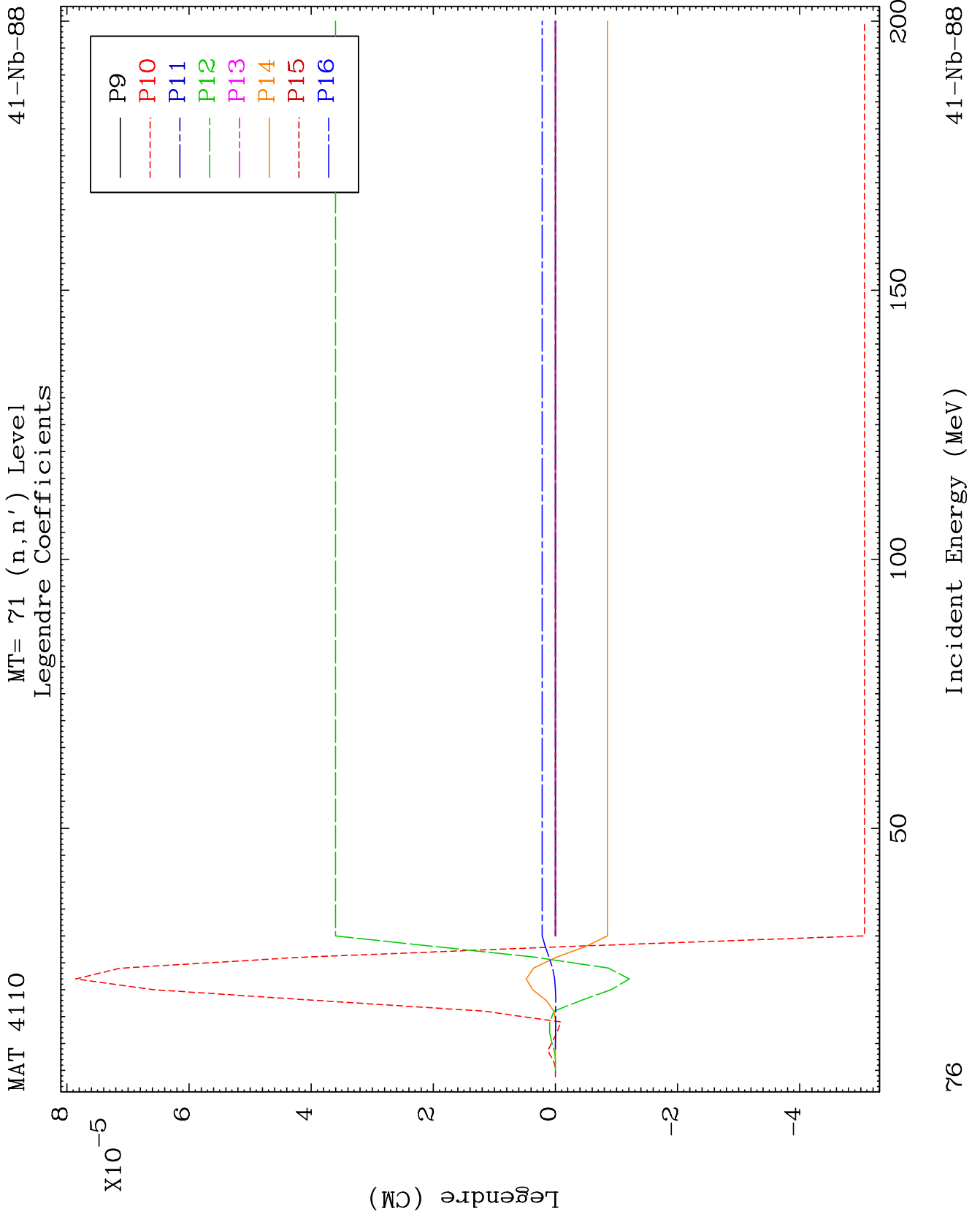
41-Nb-88

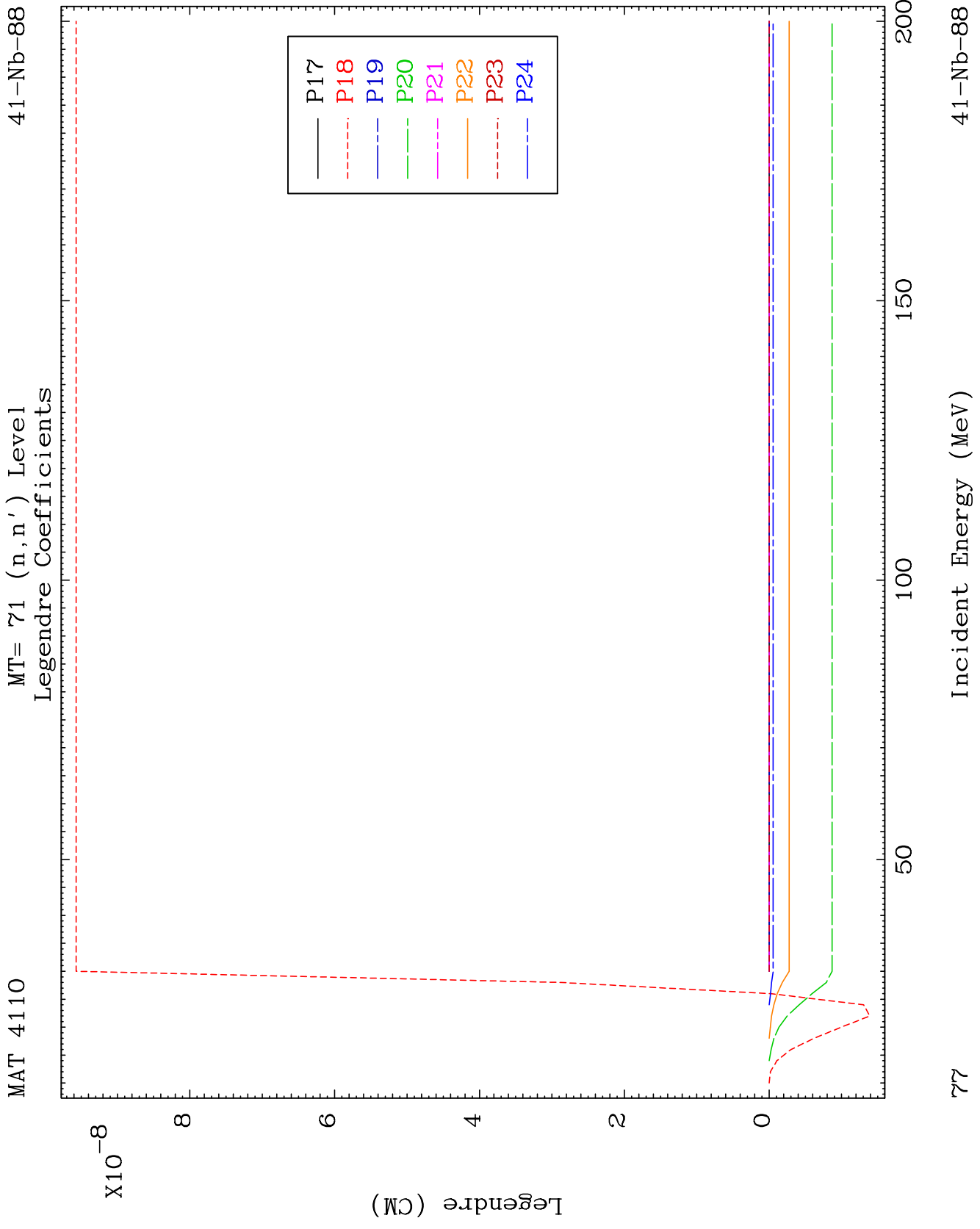


75

Incident Energy (MeV)

41-Nb-88

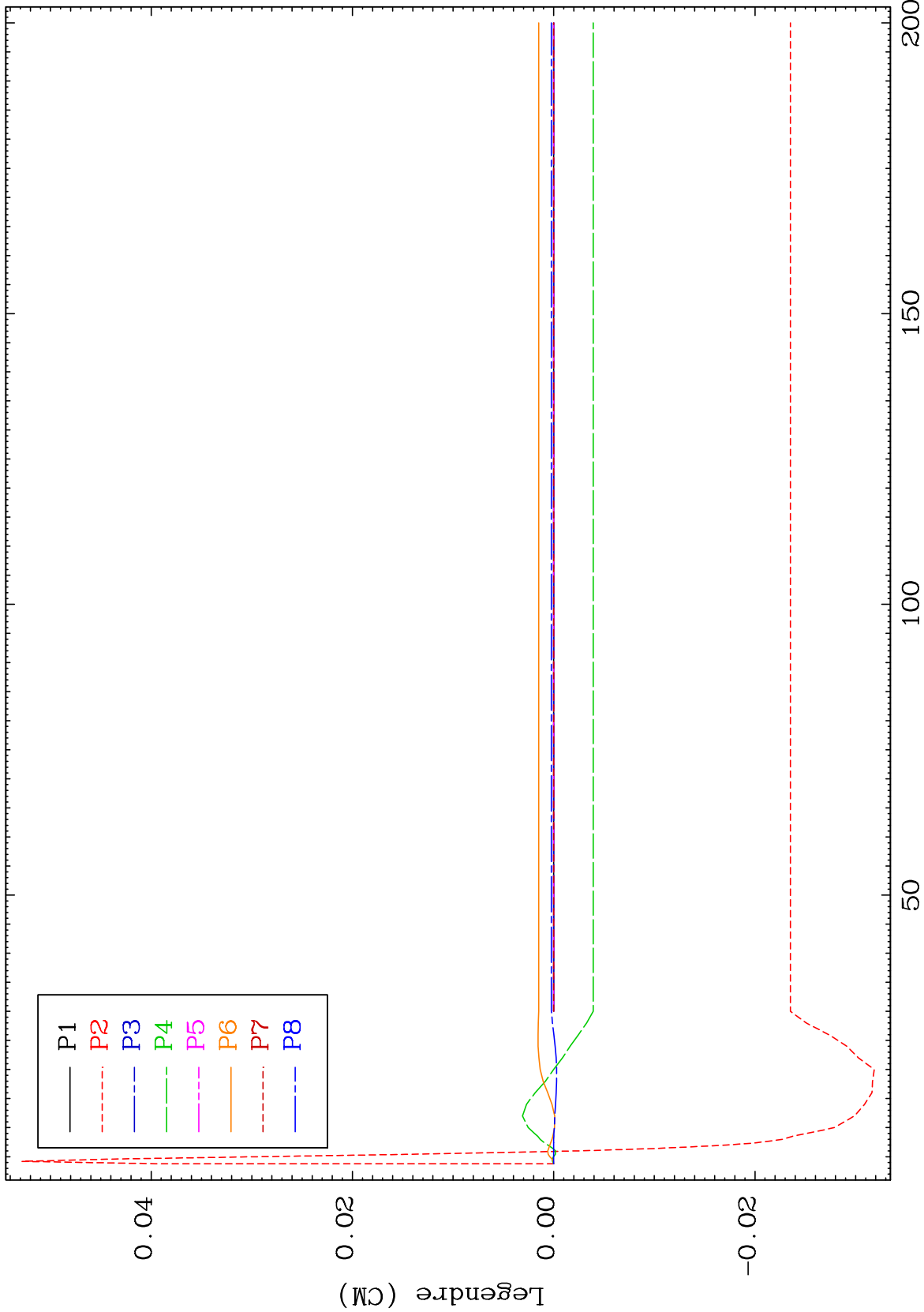




MAT 4110

MT= 72 (n,n') Level
Legendre Coefficients

41-Nb-88



78

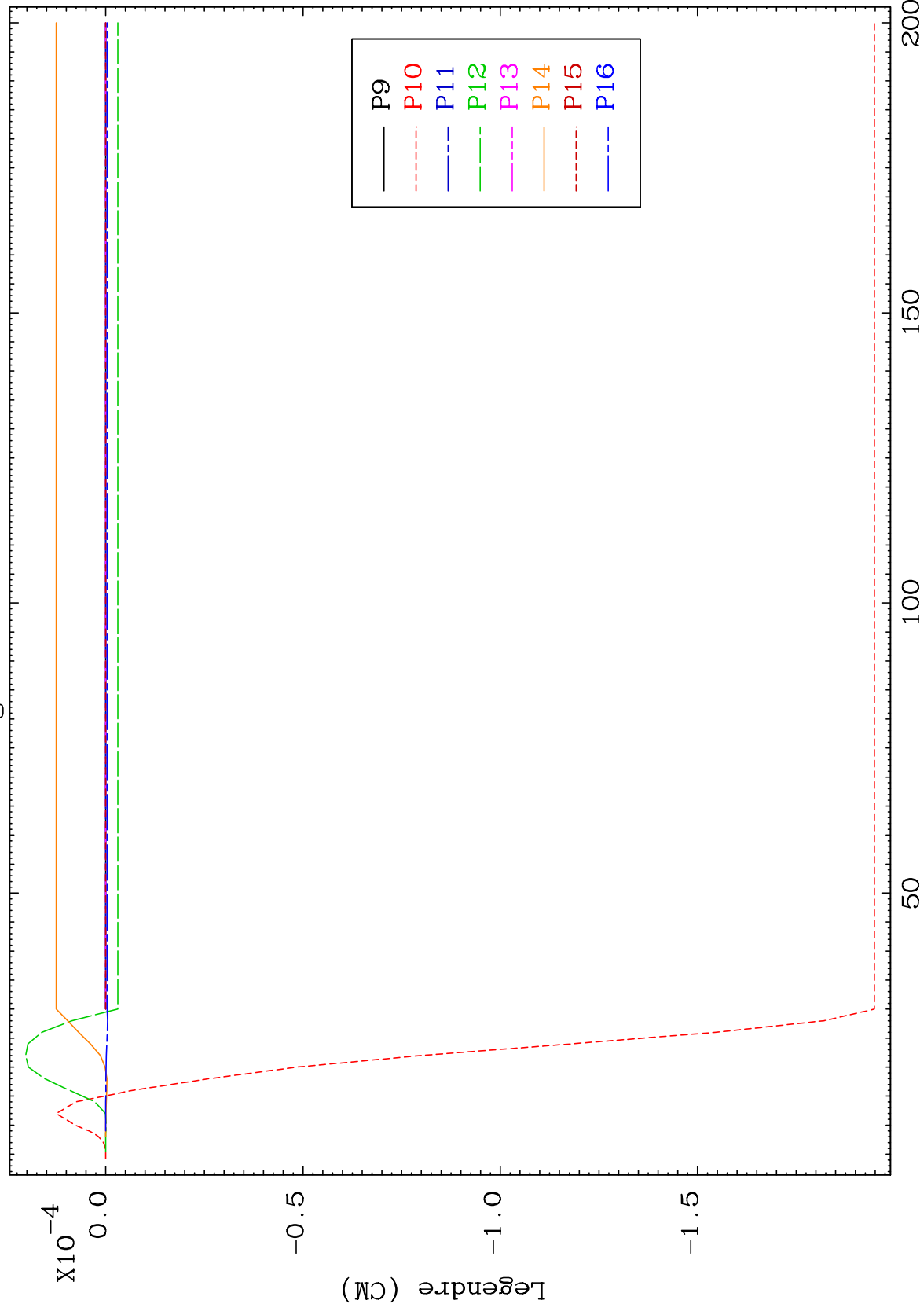
Incident Energy (MeV)

41-Nb-88

MAT 4110

MT= 72 (n,n') Level
Legendre Coefficients

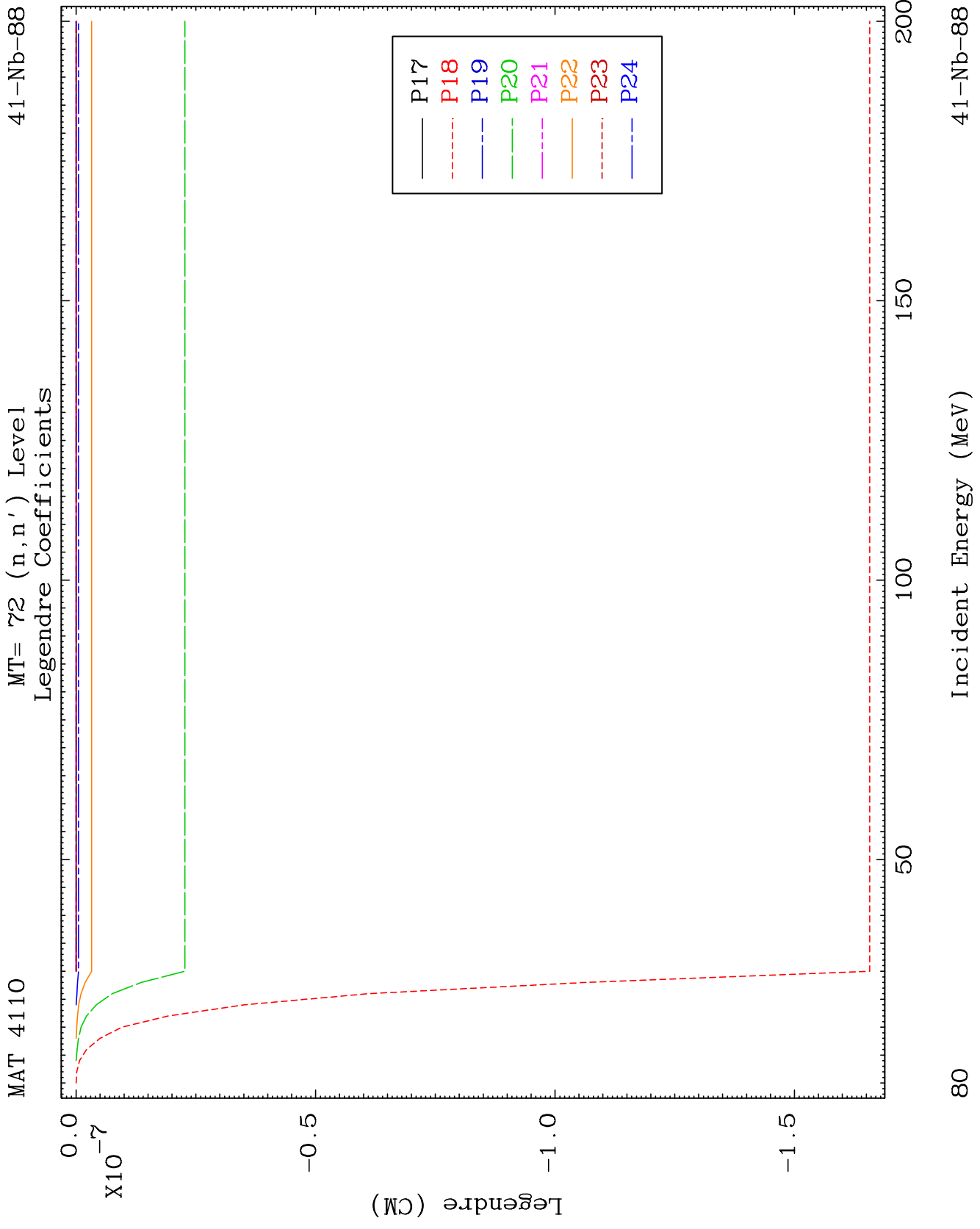
41-Nb-88



79

Incident Energy (MeV)

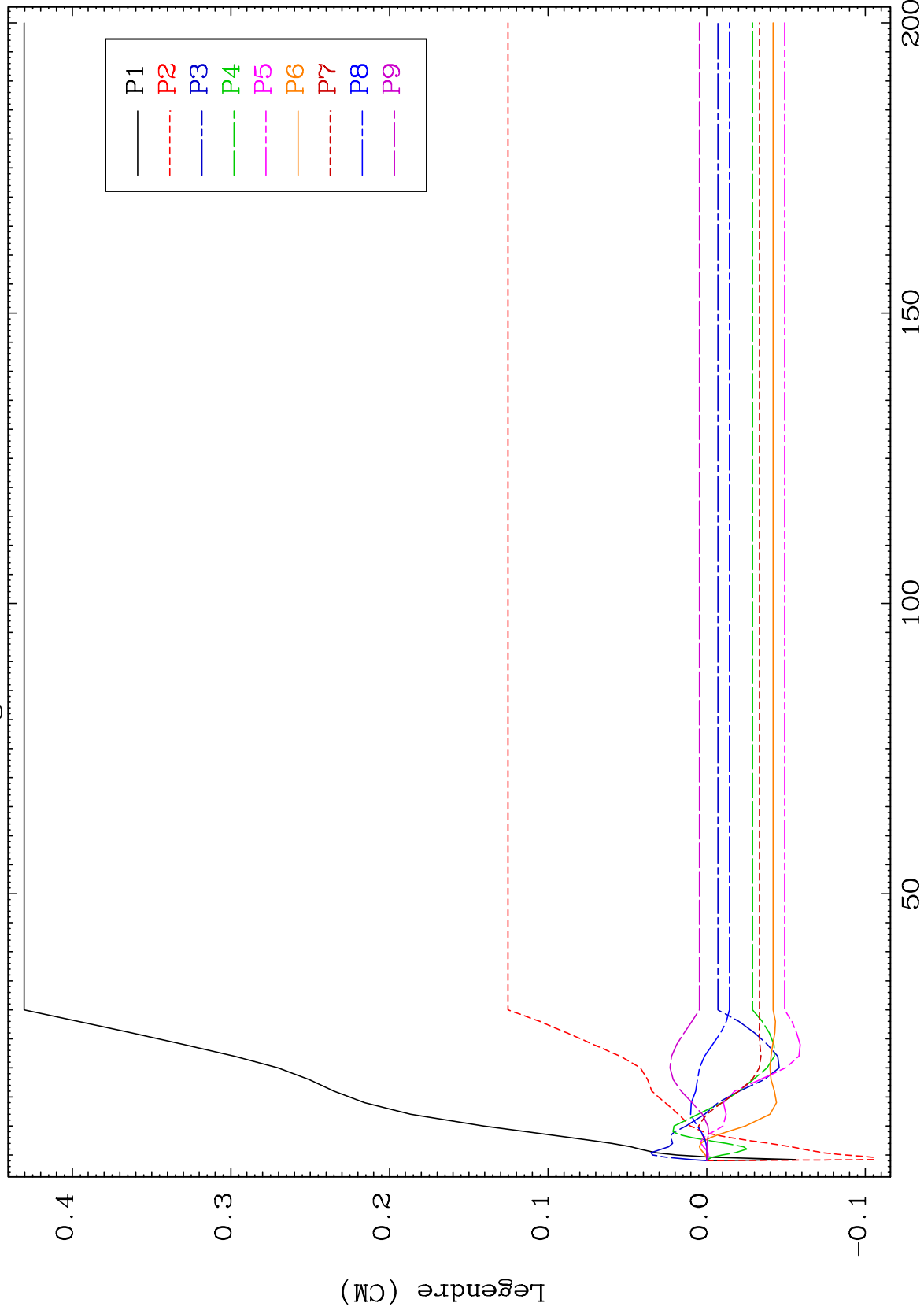
41-Nb-88



MAT 4110

MT= 73 (n,n') Level
Legendre Coefficients

41-Nb-88



81

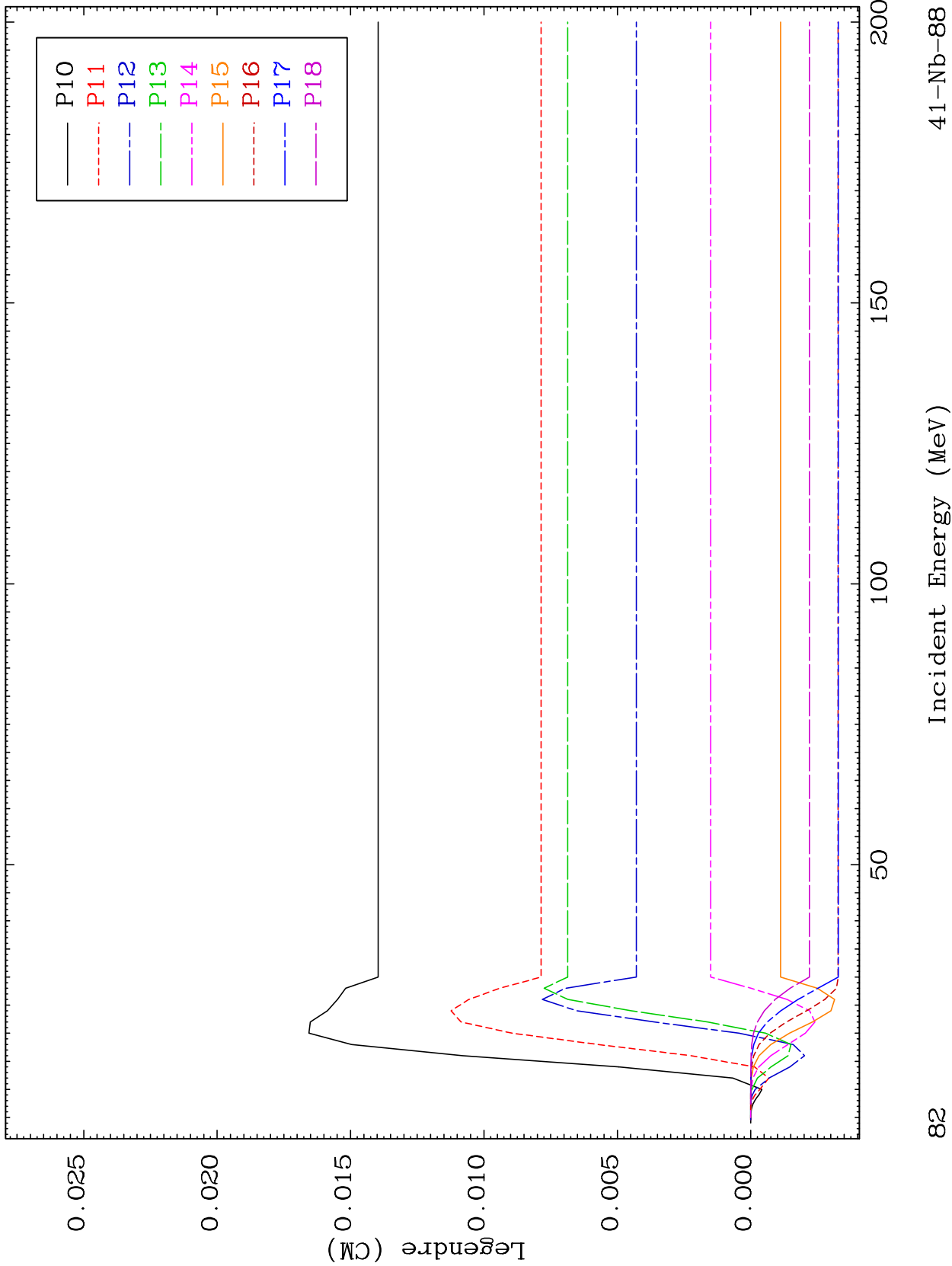
Incident Energy (MeV)

41-Nb-88

MAT 4110

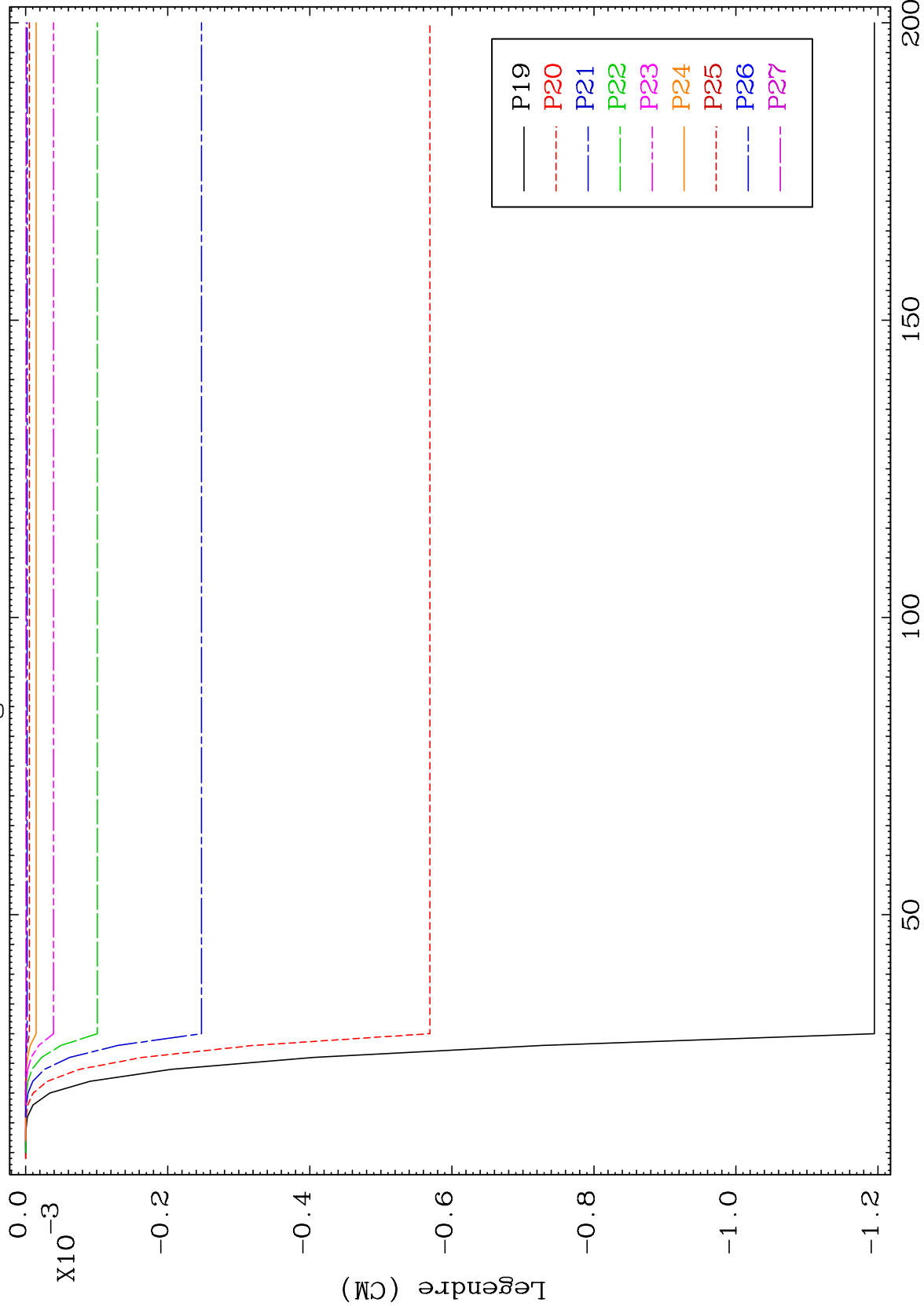
MT= 73 (n,n') Level
Legendre Coefficients

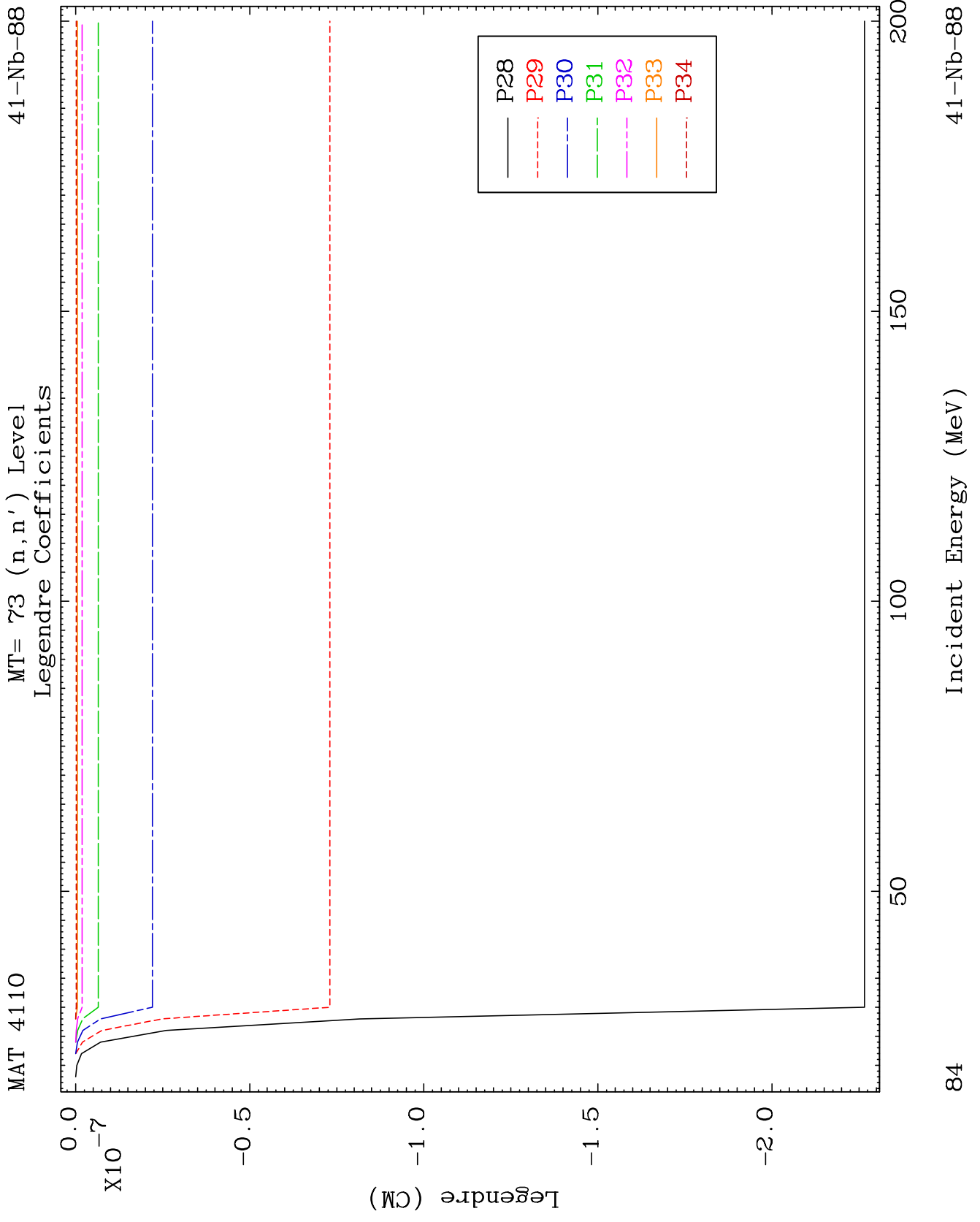
41-Nb-88



82

41-Nb-88

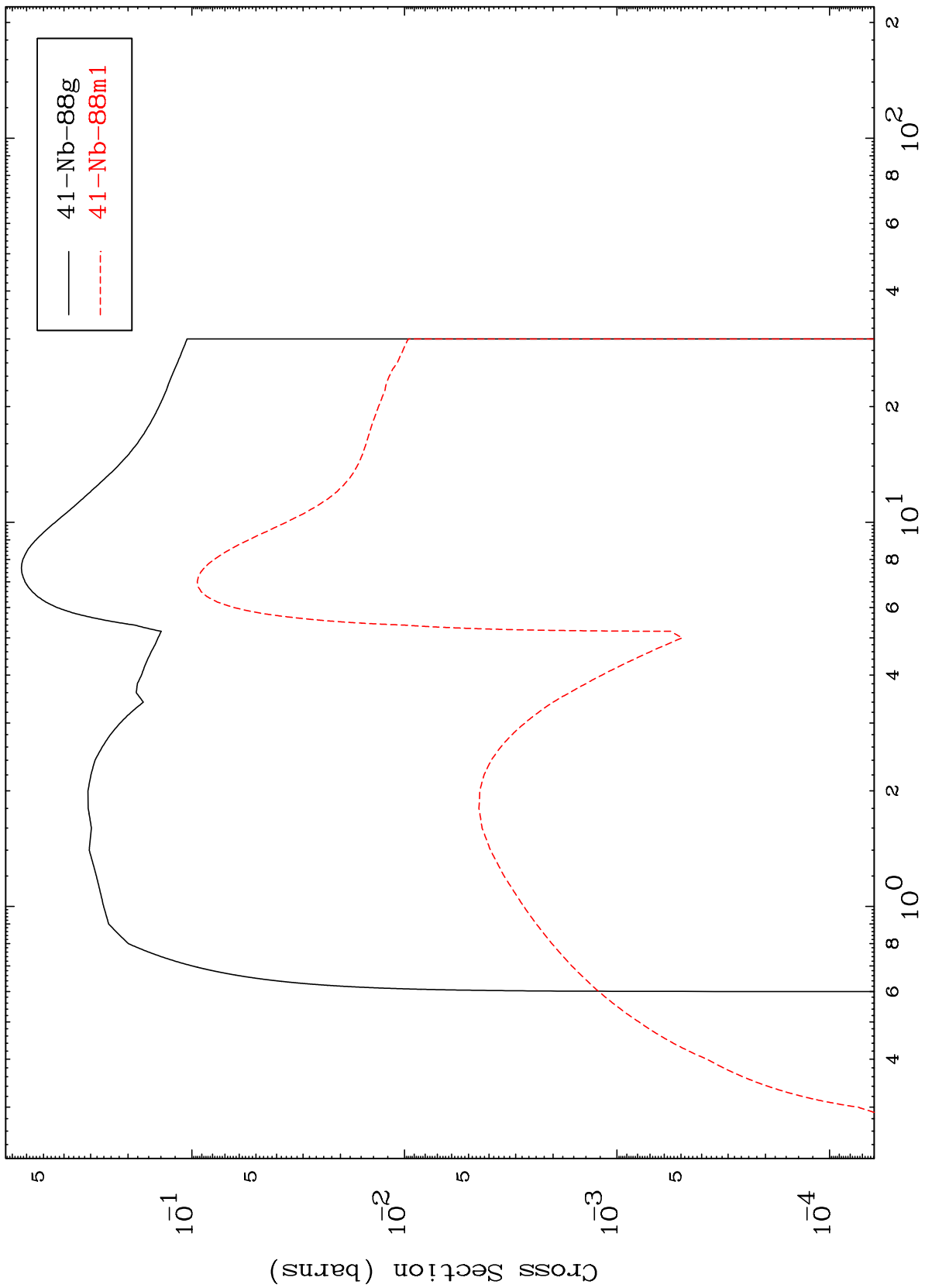




MAT 4110

41-Nb-88

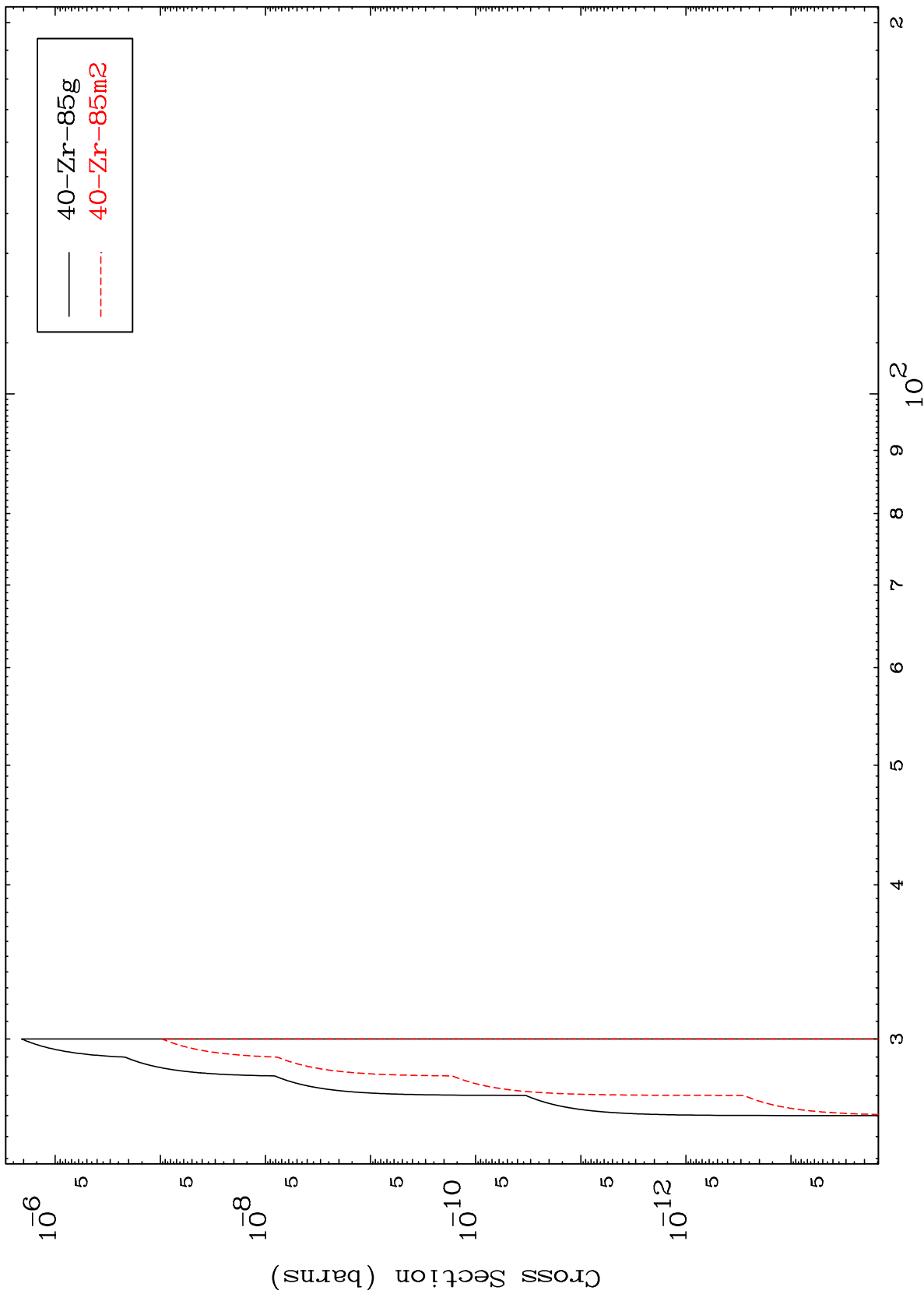
Inelastic
Radionuclide Production Cross Section



85

41-Nb-88

Radionuclide Production Cross Section

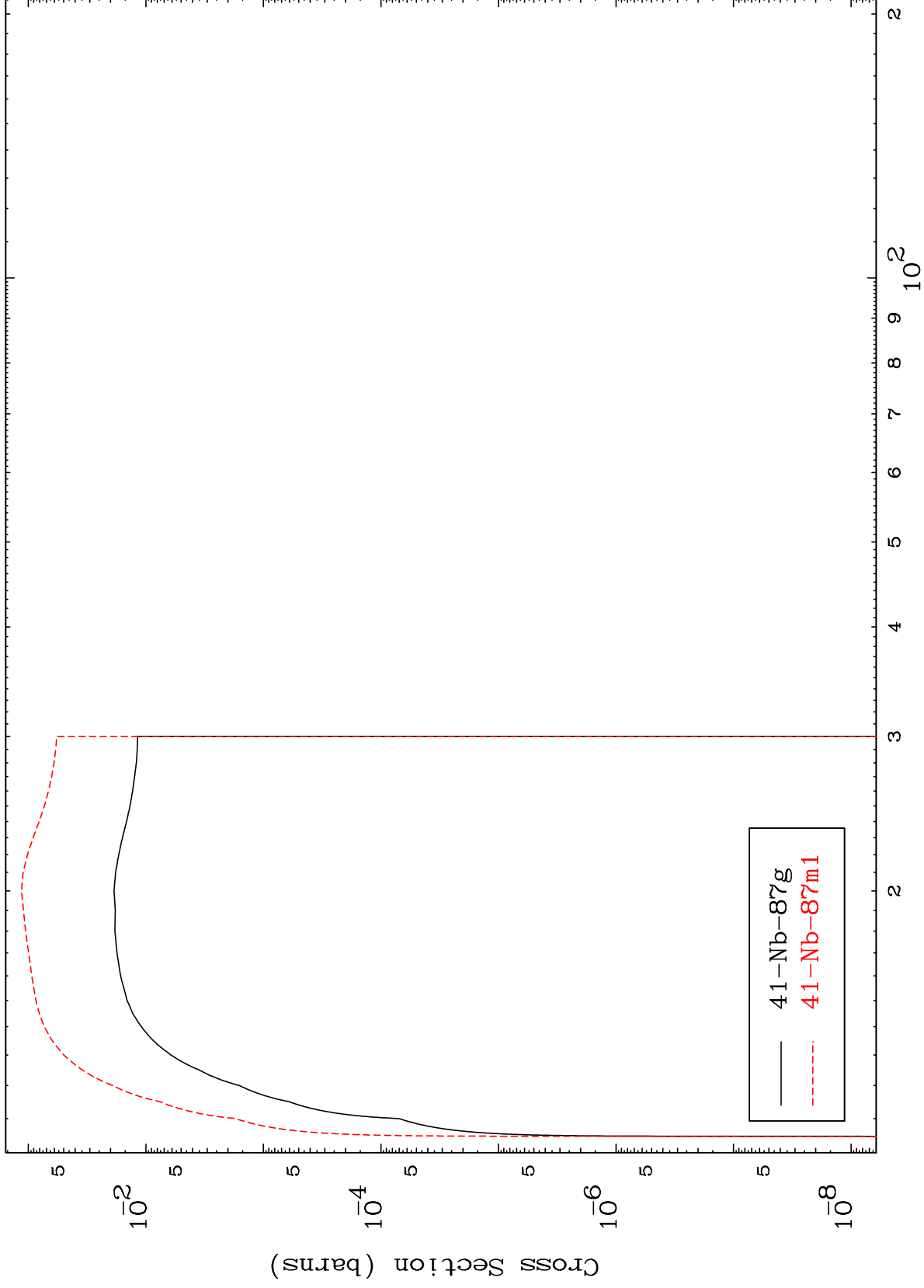


MAT 4110

(n,2n)

41-Nb-88

Radionuclide Production Cross Section



87

Incident Energy (MeV)

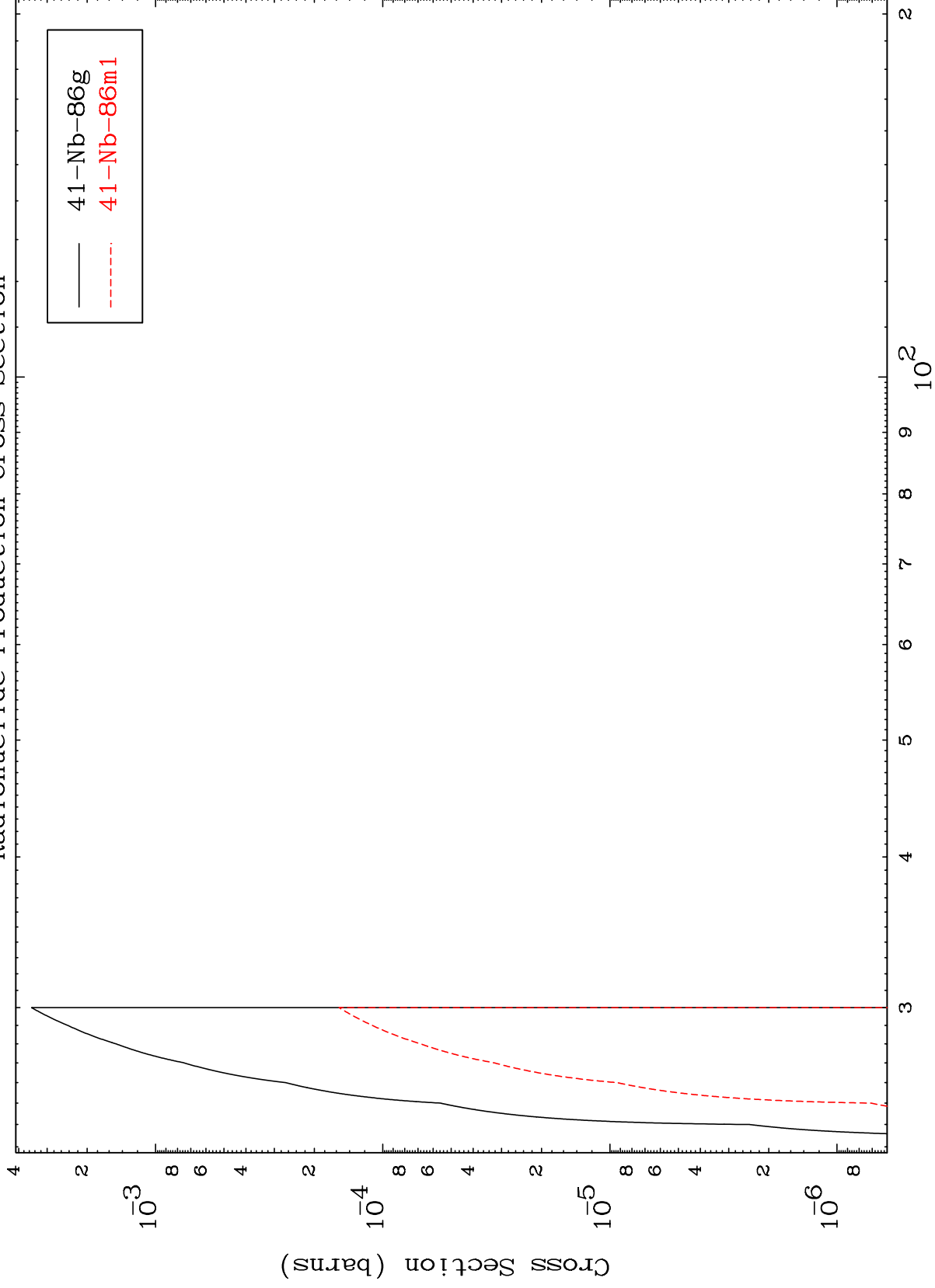
41-Nb-88

MAT 4110

(n,3n)

41-Nb-88

Radionuclide Production Cross Section



88

Incident Energy (MeV)

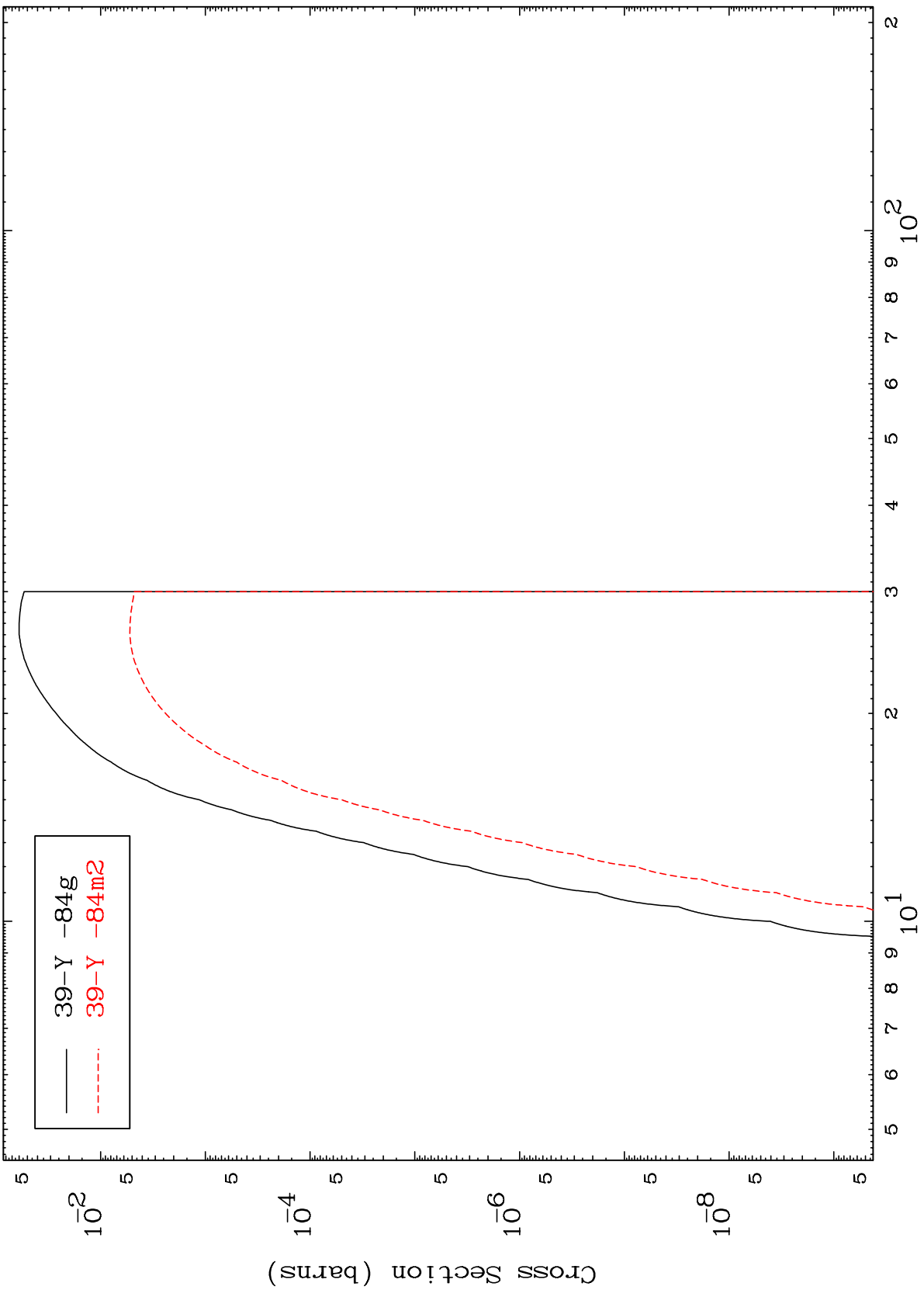
41-Nb-88

MAT 4110

(n, n') α

41-Nb-88

Radionuclide Production Cross Section



— 39-Y -84g
- - - 39-Y -84m2

89

Incident Energy (MeV)

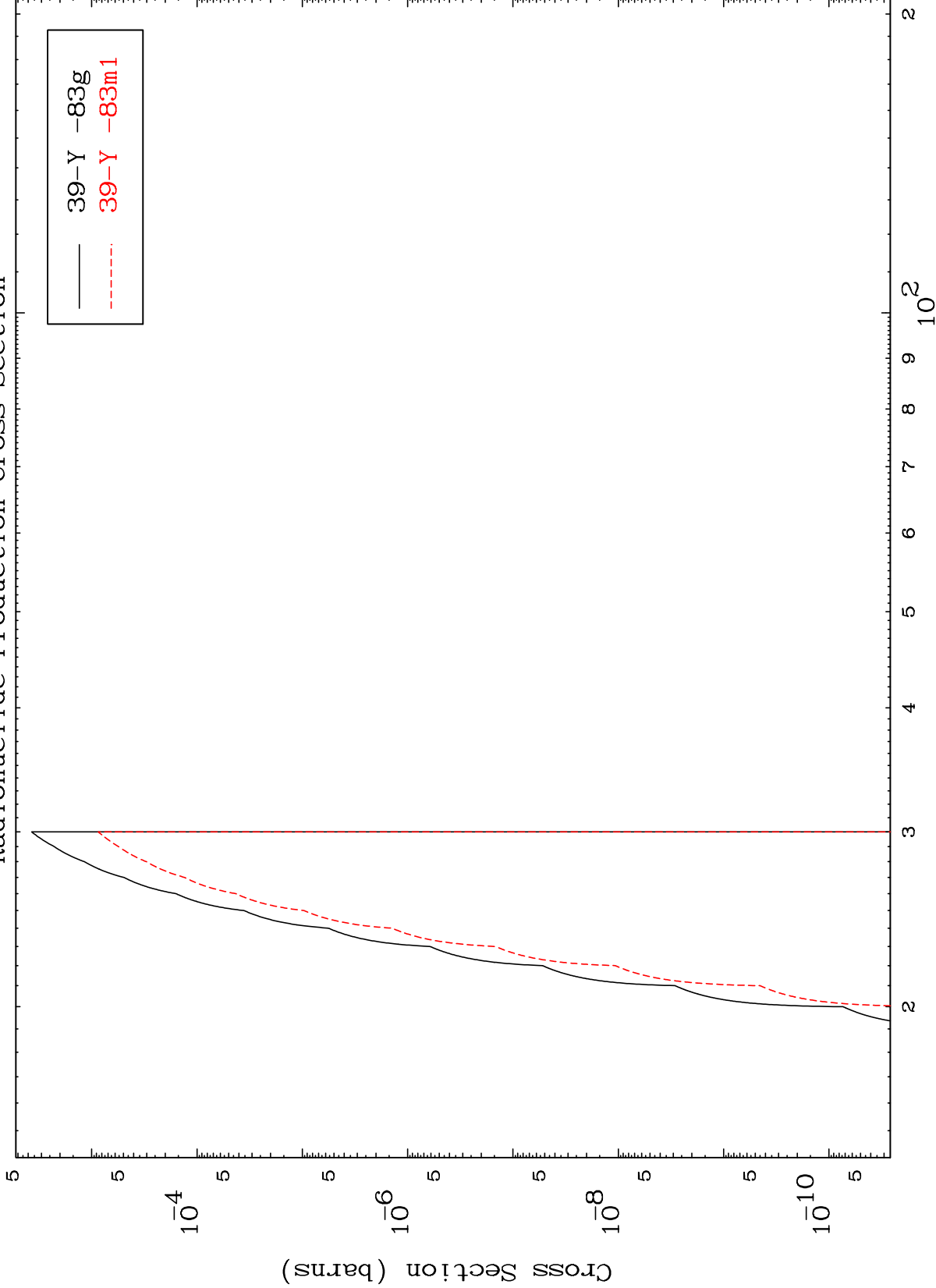
41-Nb-88

MAT 4110

$(n,2n) \alpha$

41-Nb-88

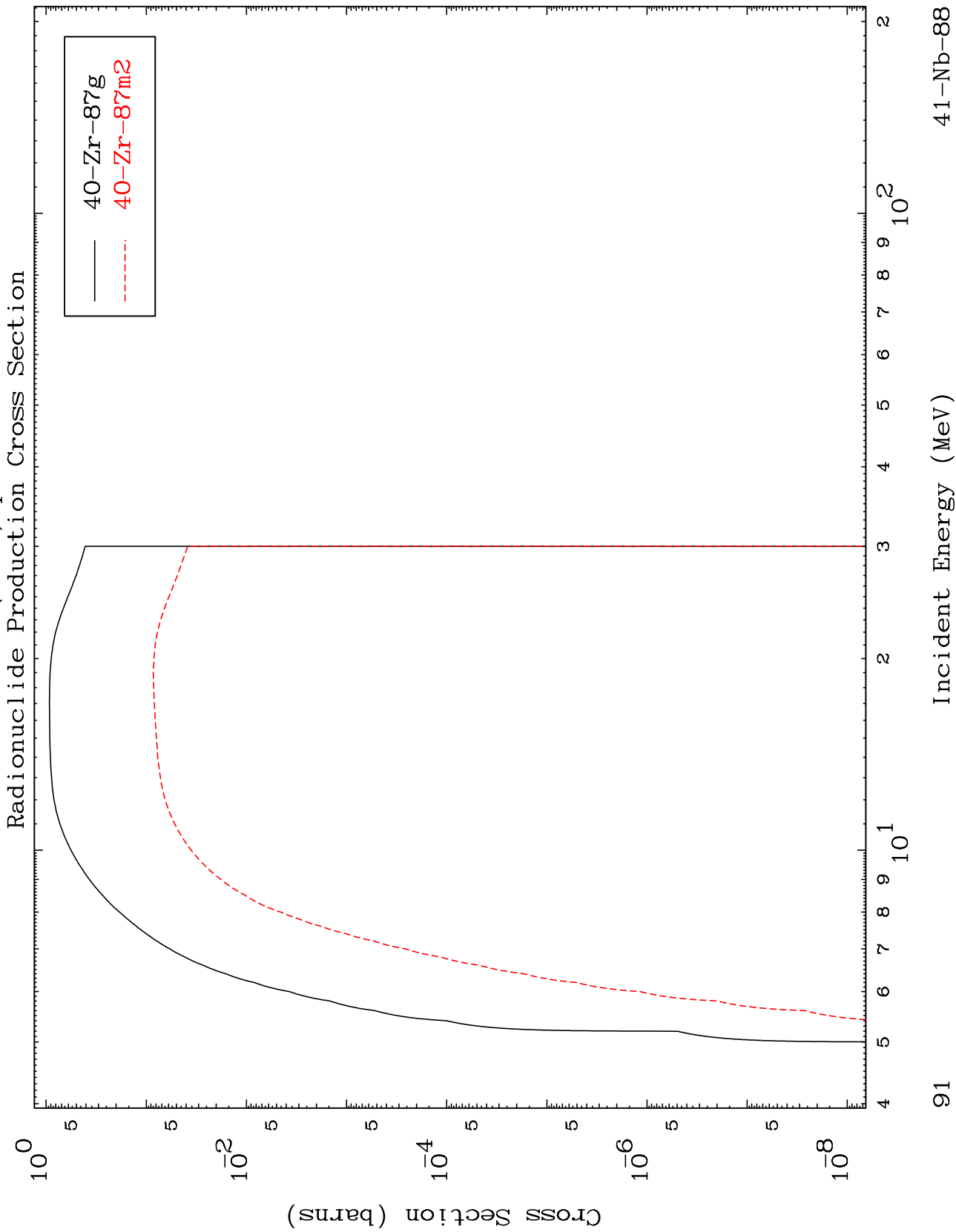
Radionuclide Production Cross Section



90

Incident Energy (MeV)

41-Nb-88

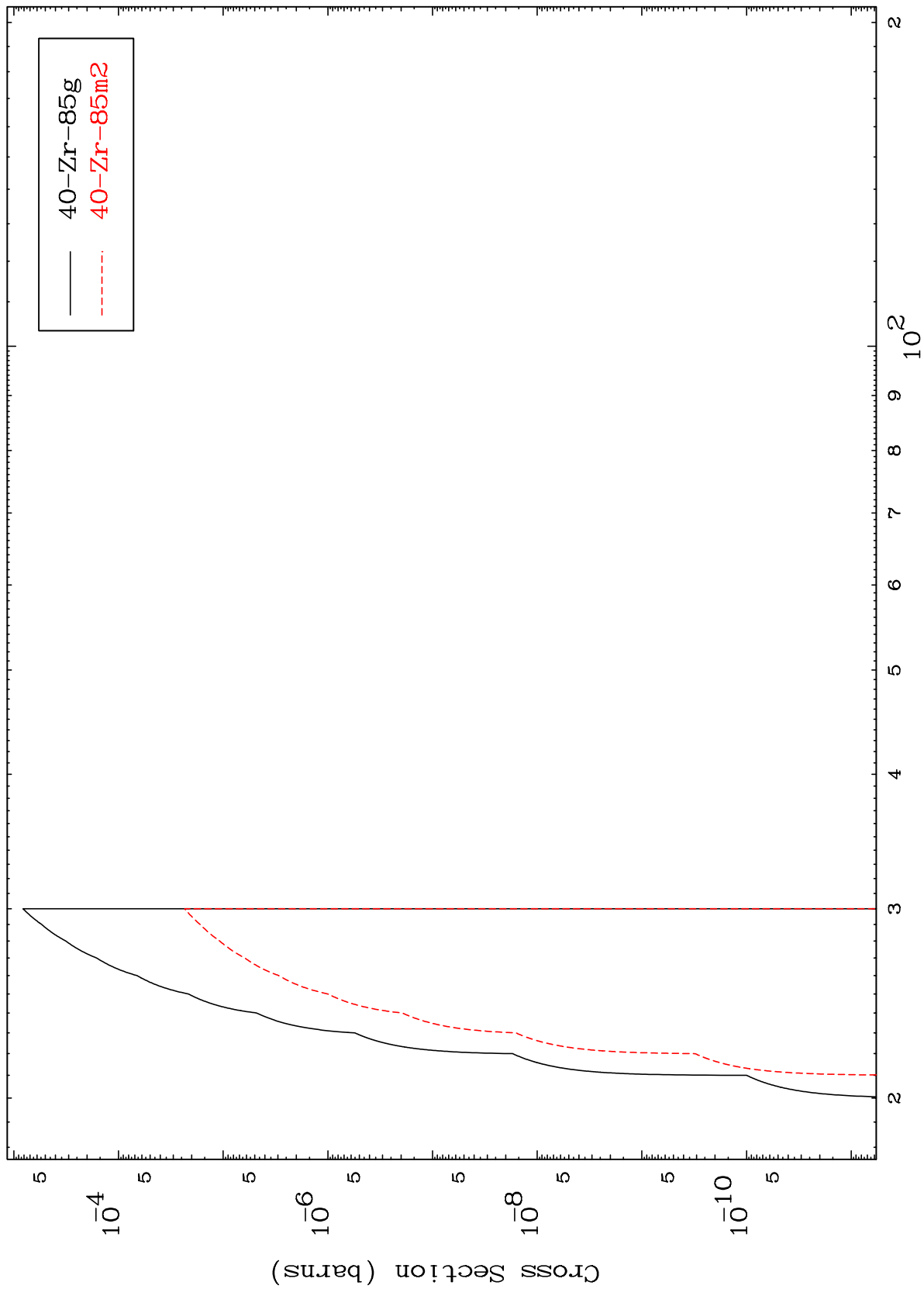


MAT 4110

(n,n') t

41-Nb-88

Radionuclide Production Cross Section

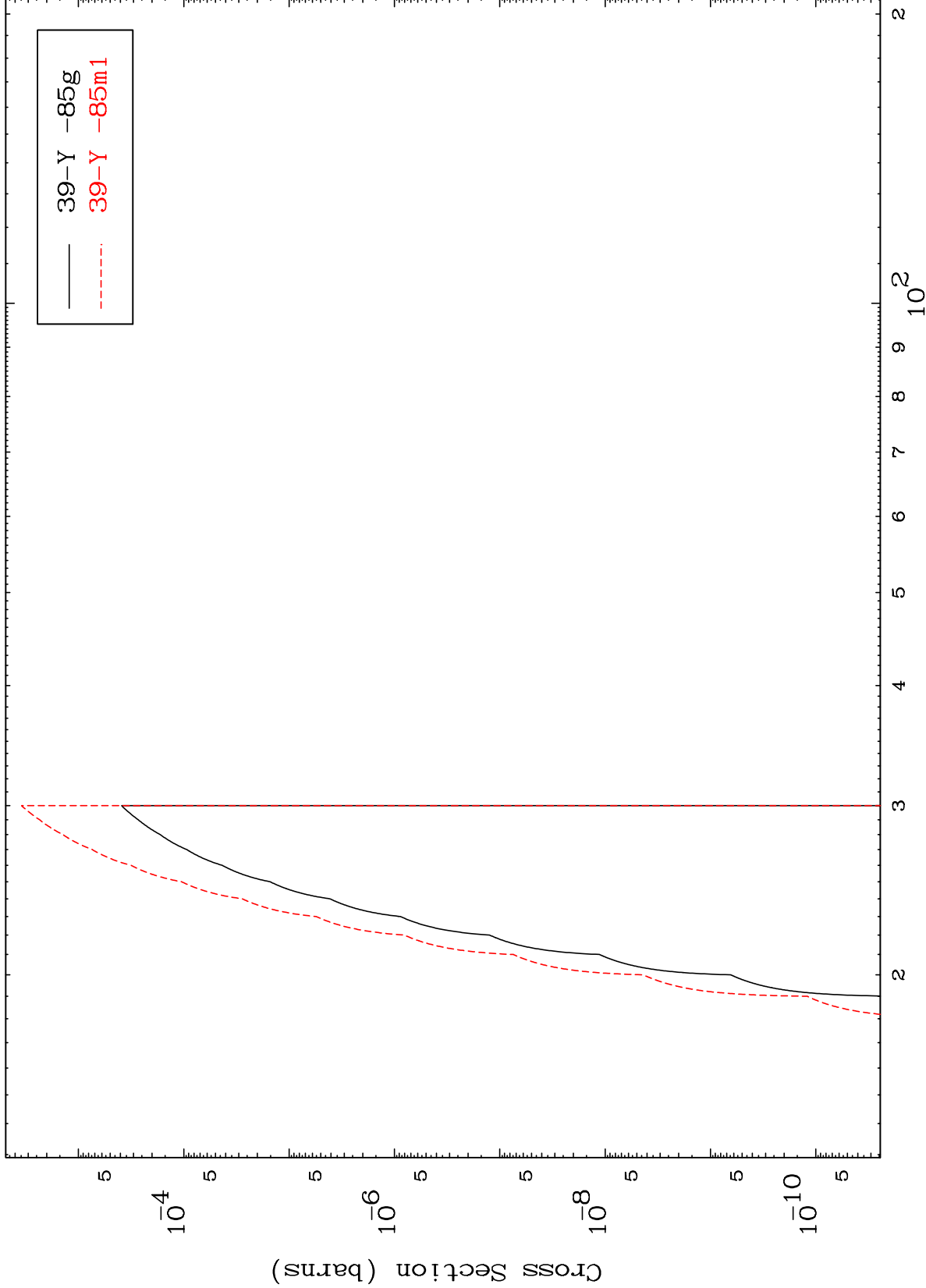


92

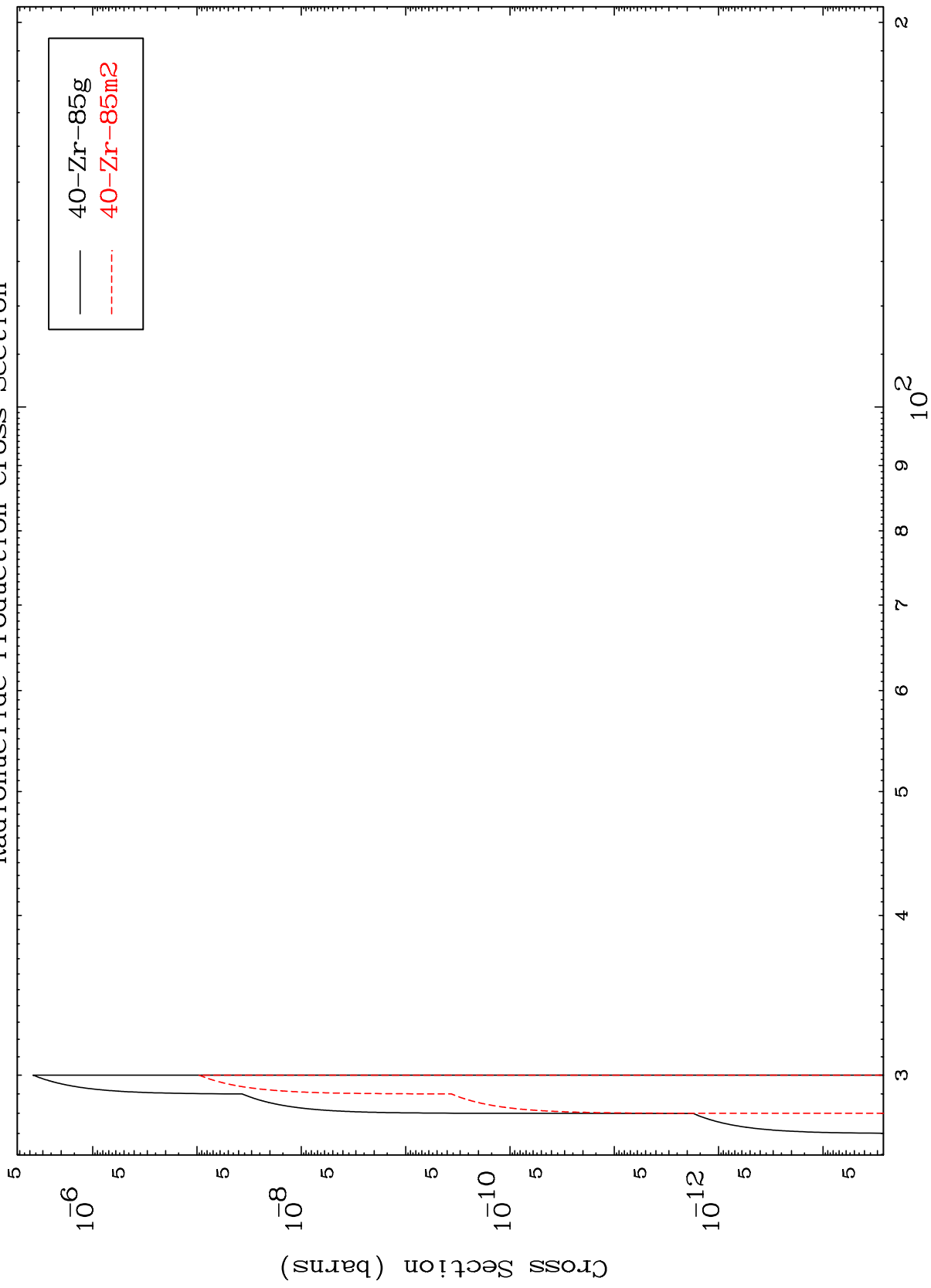
Incident Energy (MeV)

41-Nb-88

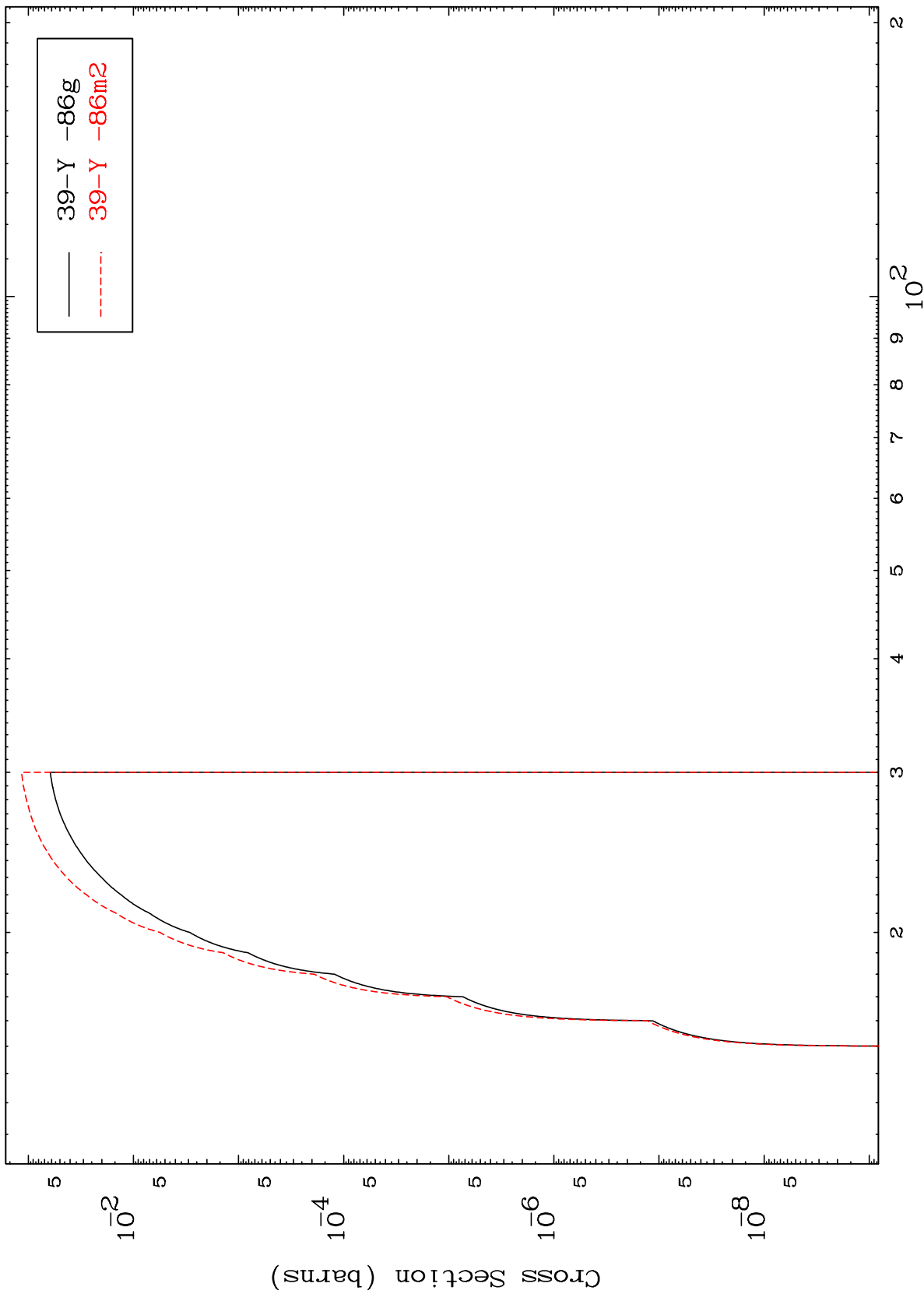
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

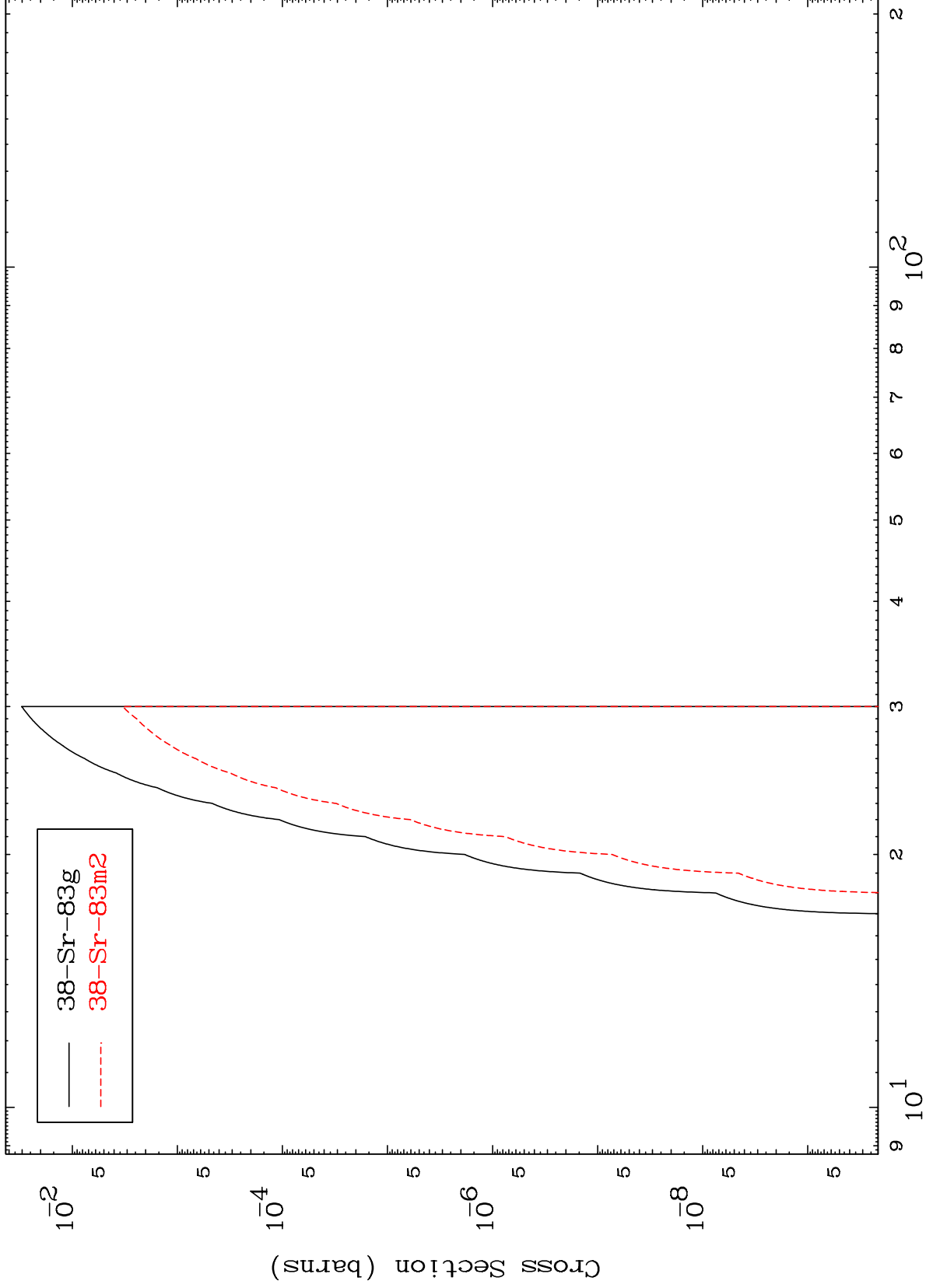


MAT 4110

(n,n') p α

41-Nb-88

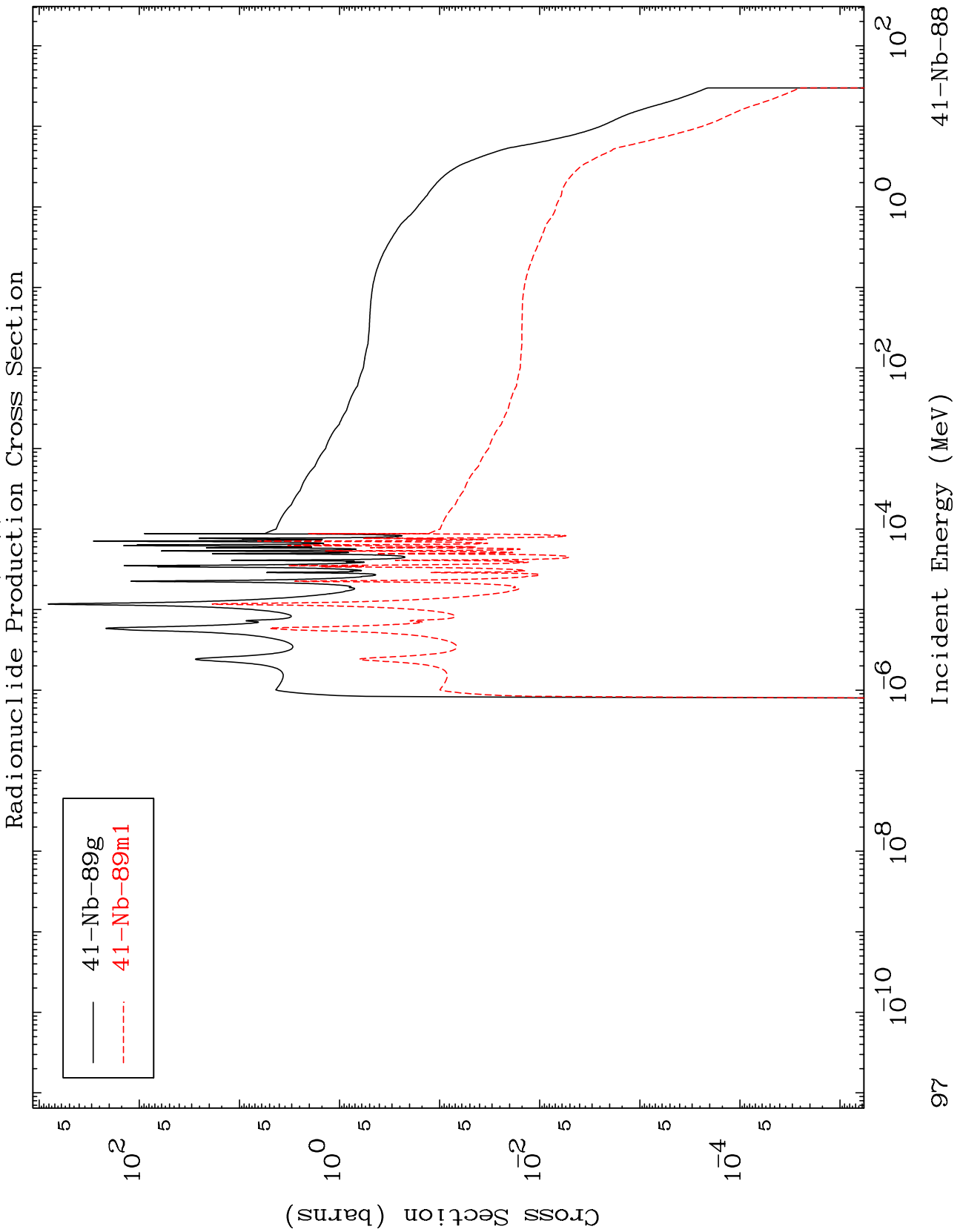
Radionuclide Production Cross Section



— 38-Sr-83g
- - - 38-Sr-83m2

MAT 4110

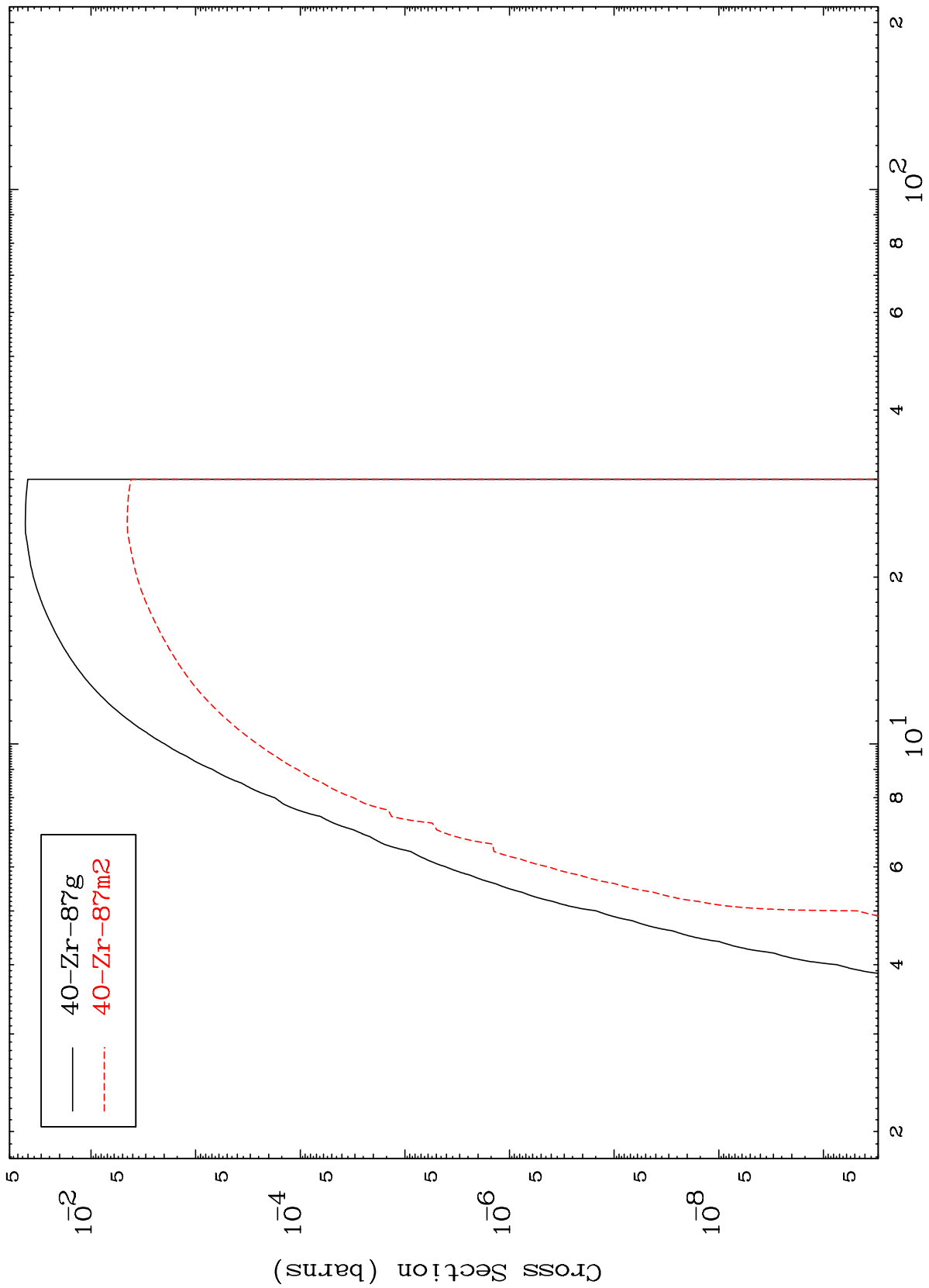
41-Nb-88



MAT 4110

41-Nb-88

(n,d)
Radionuclide Production Cross Section



98

Incident Energy (MeV)

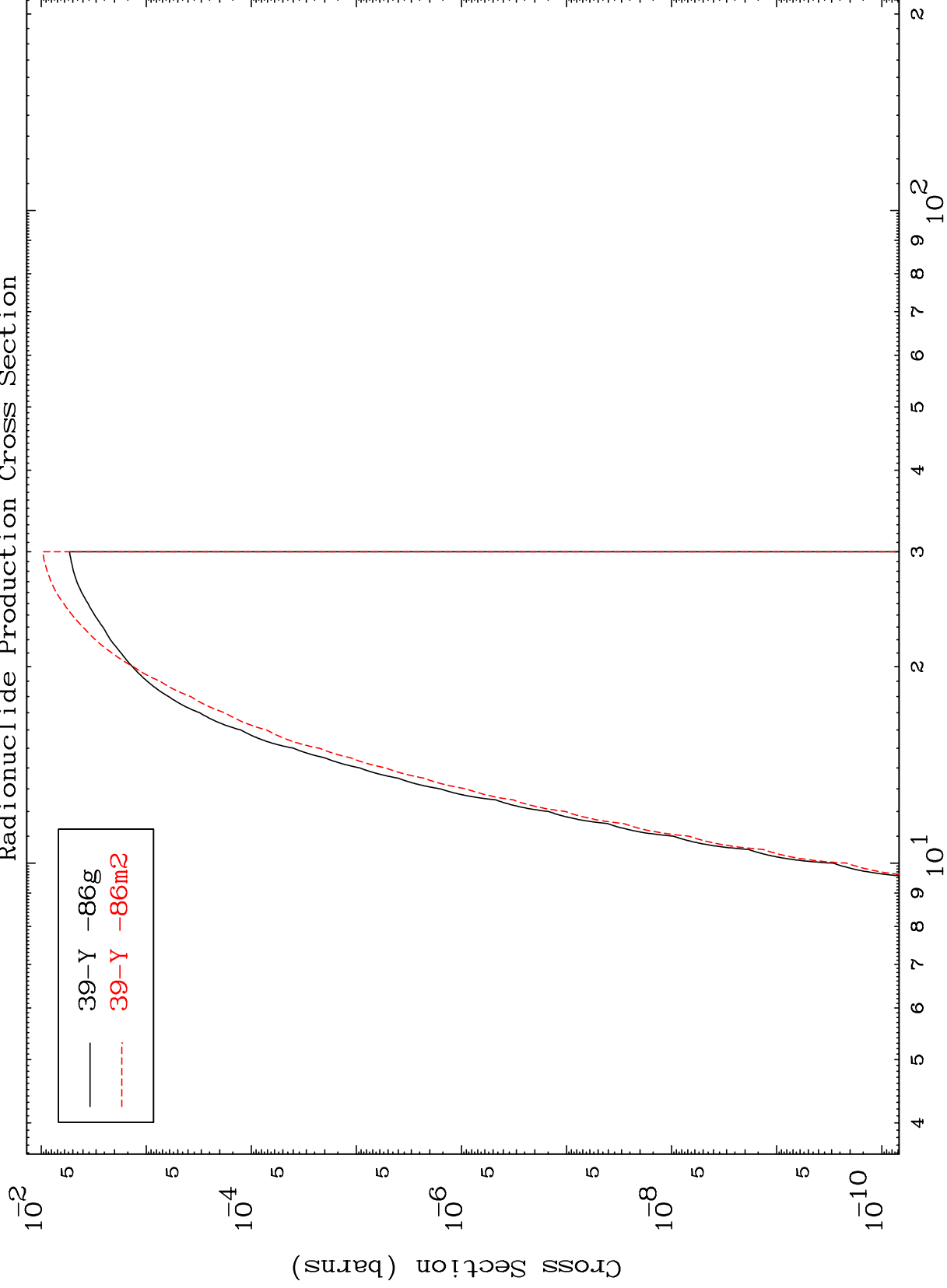
41-Nb-88

MAT 4110

(n,He-3)

41-Nb-88

Radionuclide Production Cross Section



39-Y -86g
39-Y -86m2

99

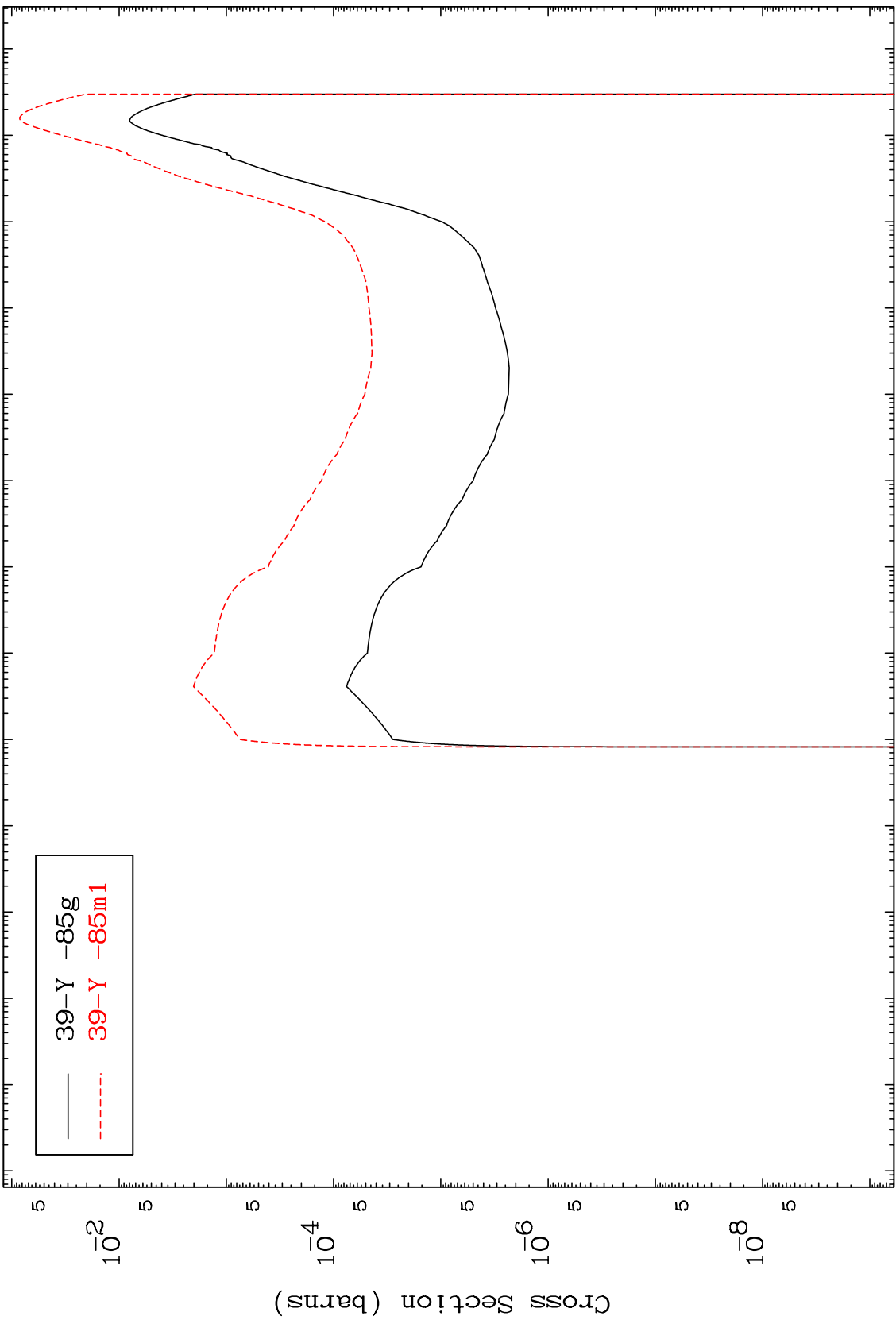
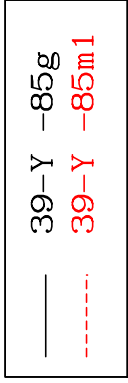
Incident Energy (MeV)

41-Nb-88

MAT 4110

41-Nb-88

Radionuclide Production Cross Section



41-Nb-88

Incident Energy (MeV)

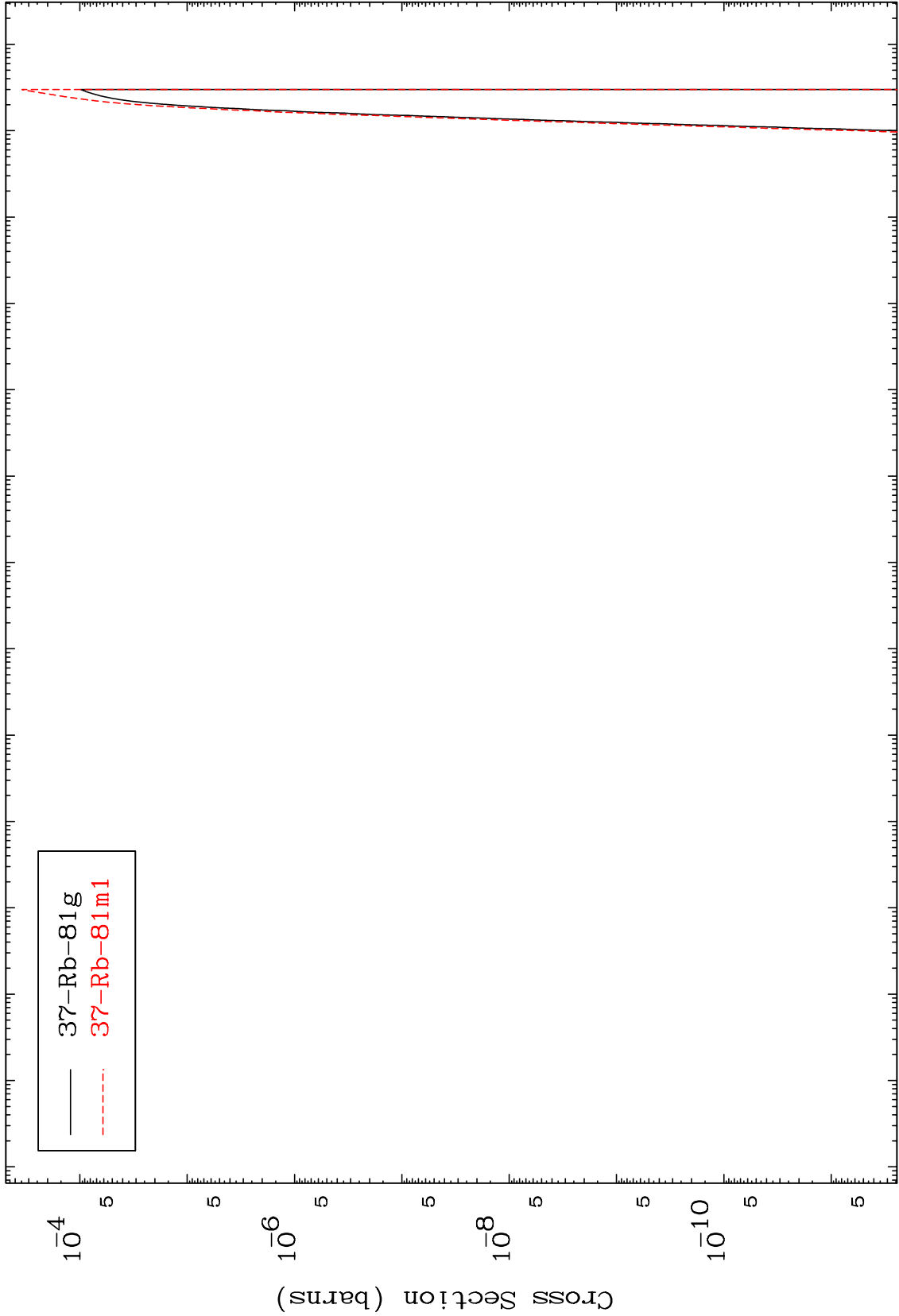
100

MAT 4110

(n,2α)

41-Nb-88

Radionuclide Production Cross Section



Incident Energy (MeV)

101

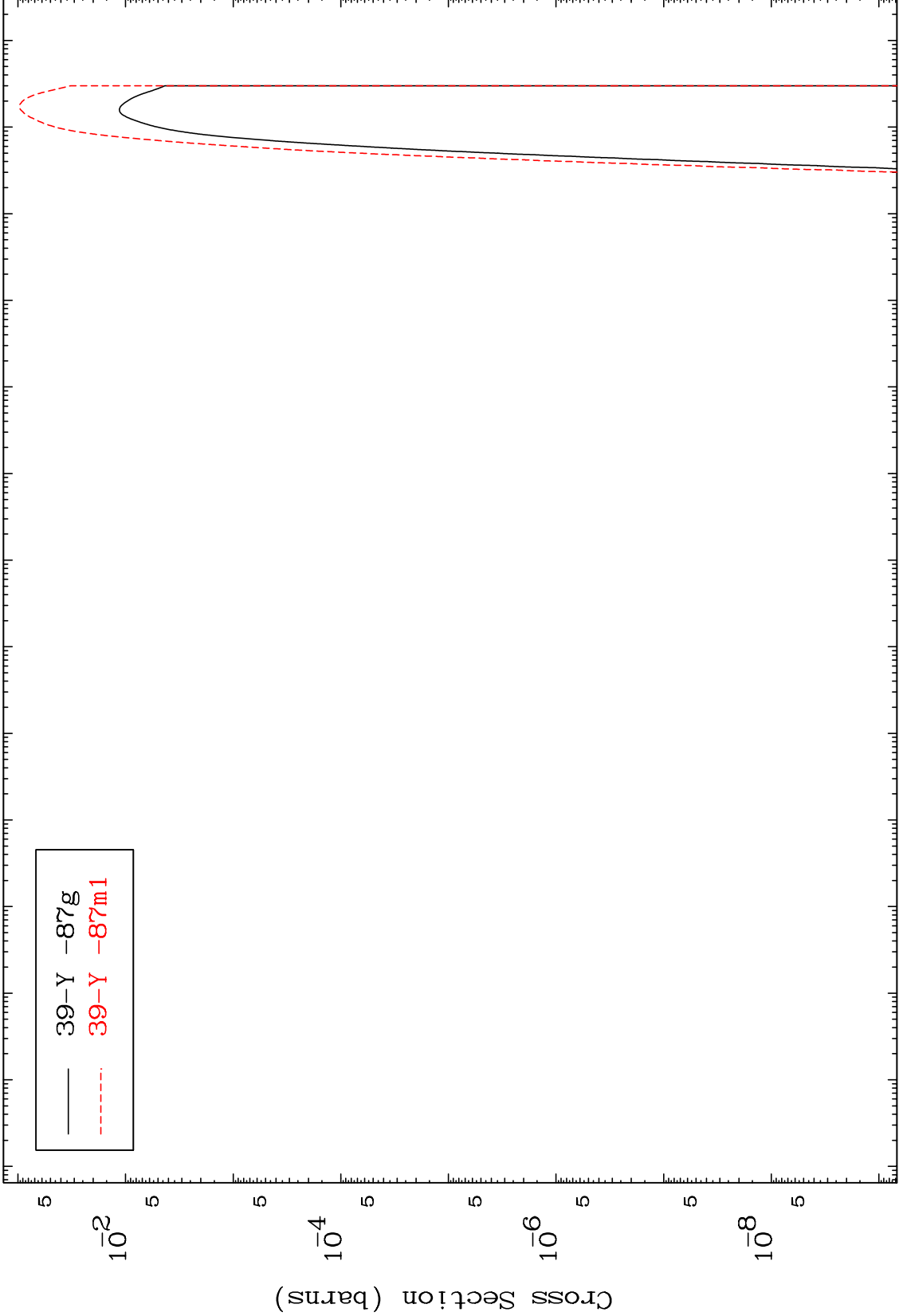
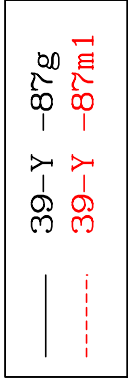
41-Nb-88

MAT 4110

(n,2p)

41-Nb-88

Radionuclide Production Cross Section



102

Incident Energy (MeV)

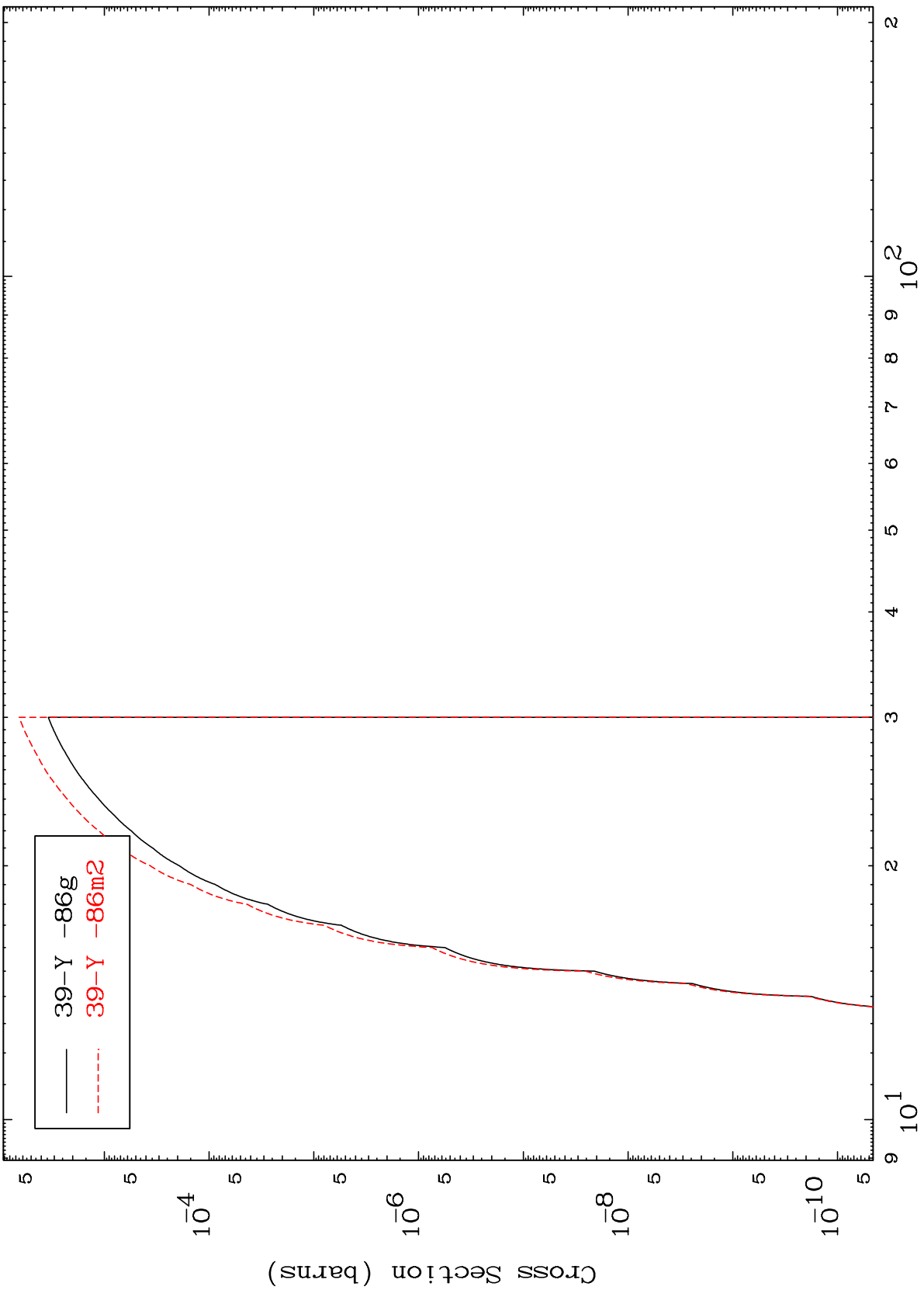
41-Nb-88

MAT 4110

(n,p) d

41-Nb-88

Radionuclide Production Cross Section



Incident Energy (MeV)

41-Nb-88

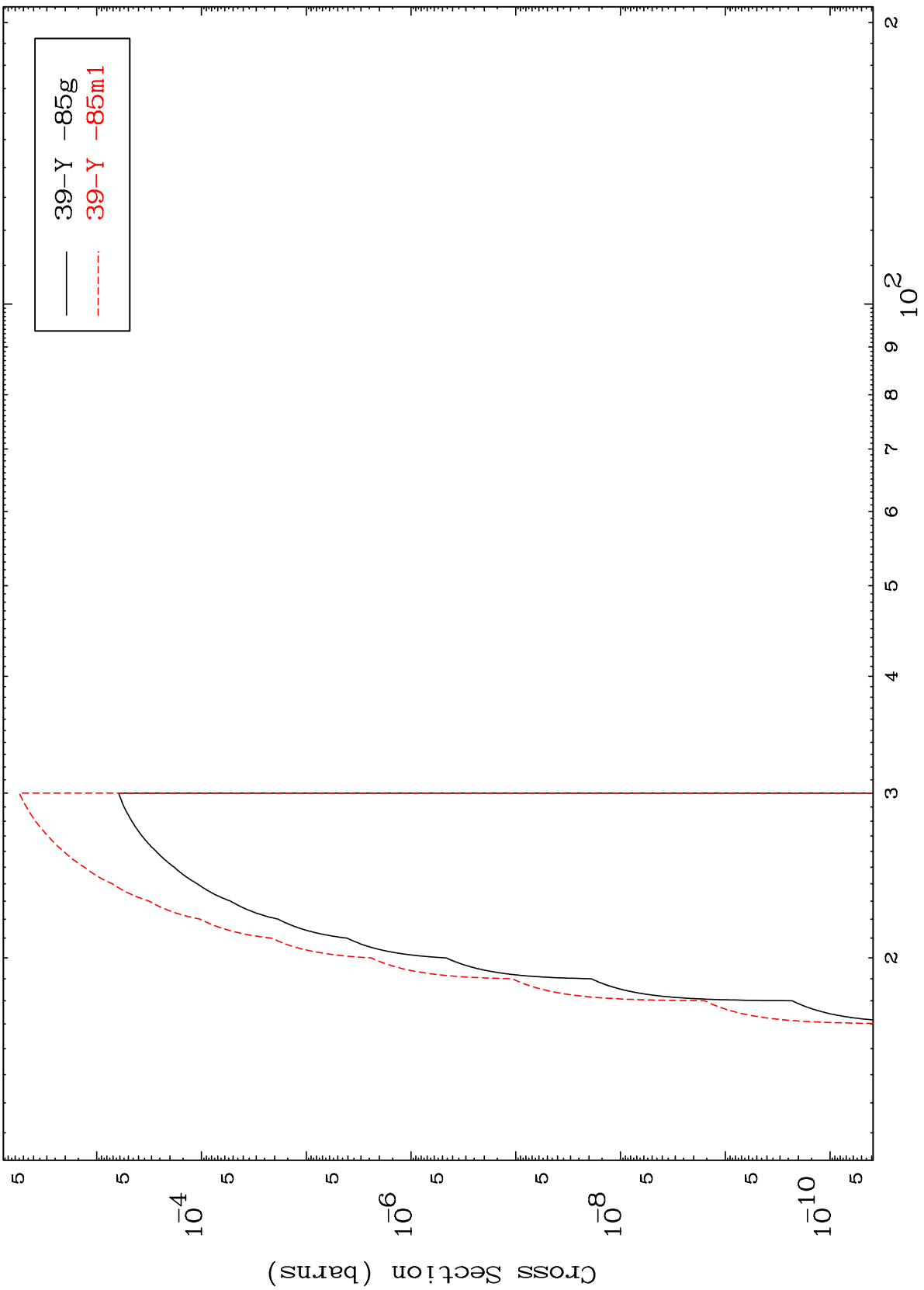
103

MAT 4110

(n,p) t

41-Nb-88

Radionuclide Production Cross Section



104

Incident Energy (MeV)

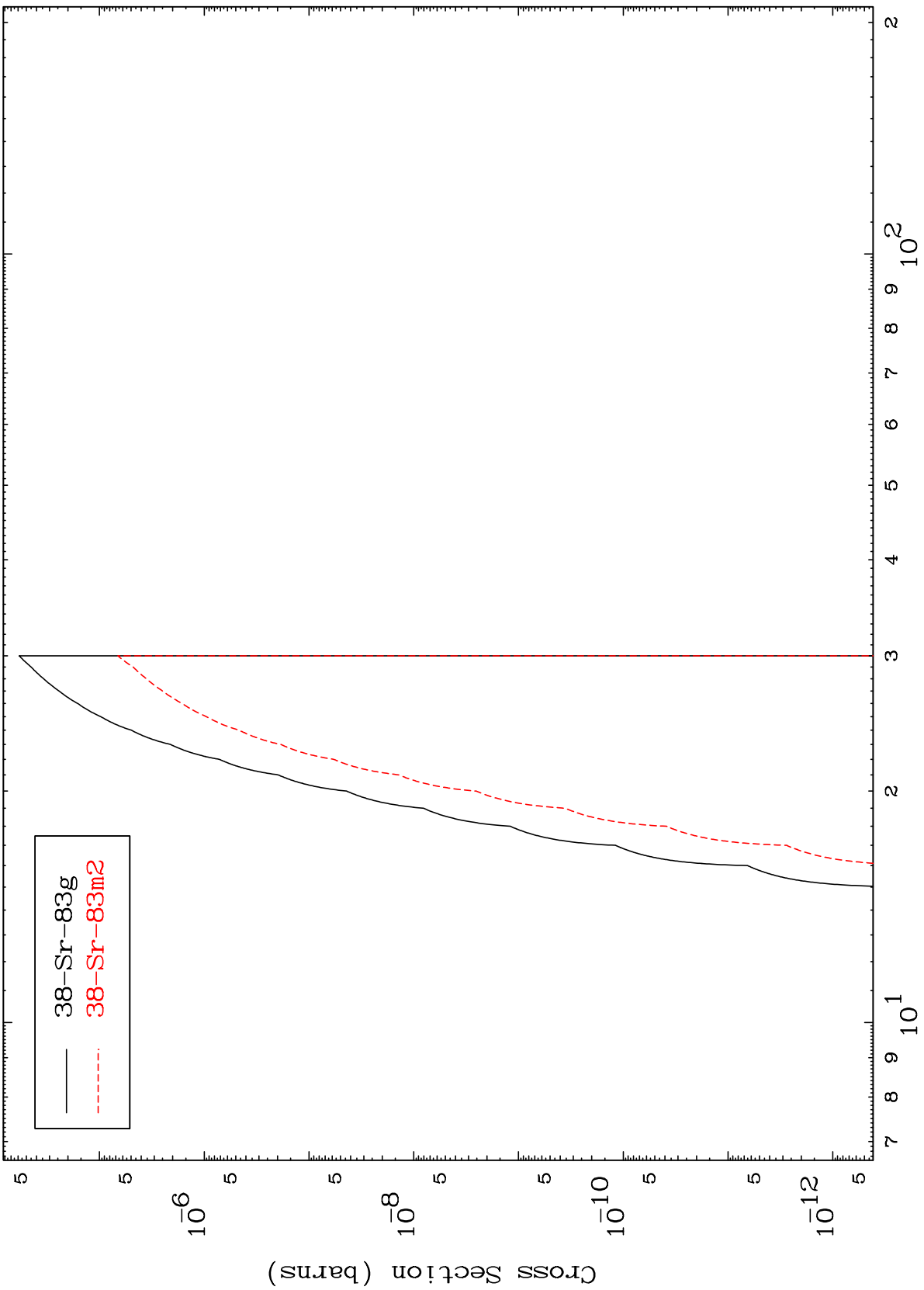
41-Nb-88

MAT 4110

(n,d) α

41-Nb-88

Radionuclide Production Cross Section



Legend:
— 38-Sr-83g
- - - 38-Sr-83m2

105

Incident Energy (MeV)

41-Nb-88