

Program EVALPLOT
(Version 2015-2)

by

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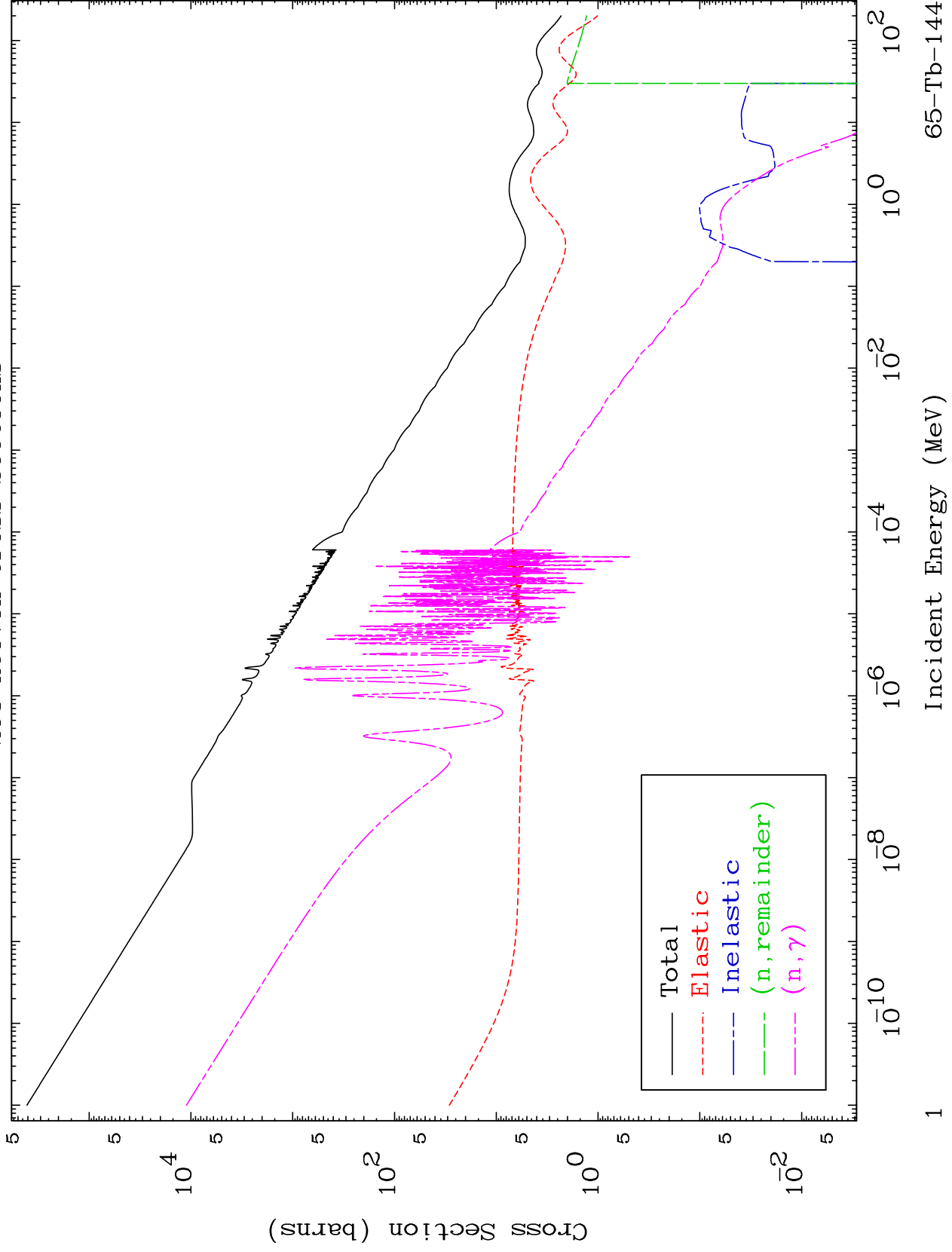
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6480

Major
293 Kelvin Cross Sections

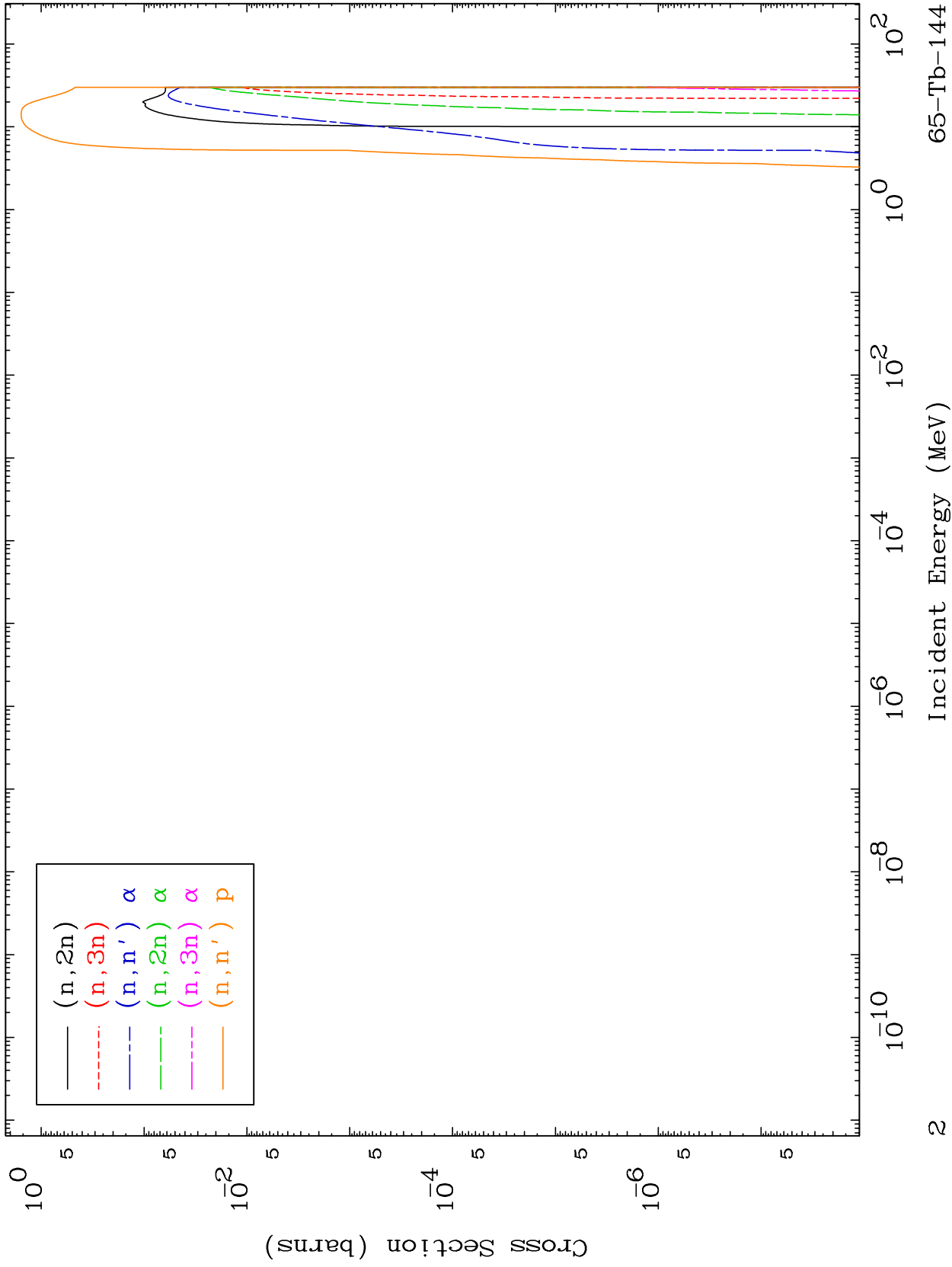
65-Tb-144



MAT 6480

Neutron Production
293 Kelvin Cross Sections

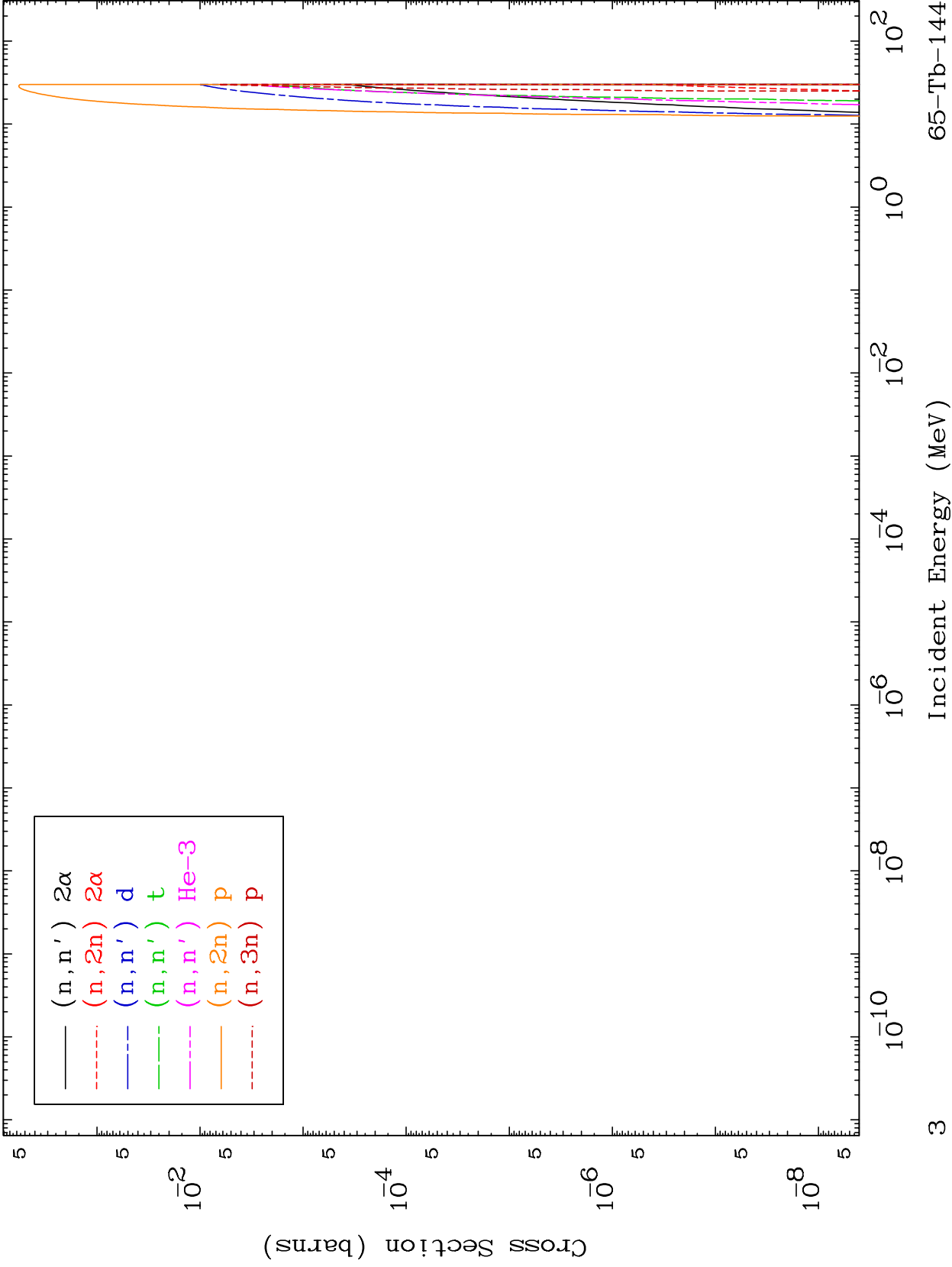
65-Tb-144



MAT 6480

Neutron Production
293 Kelvin Cross Sections

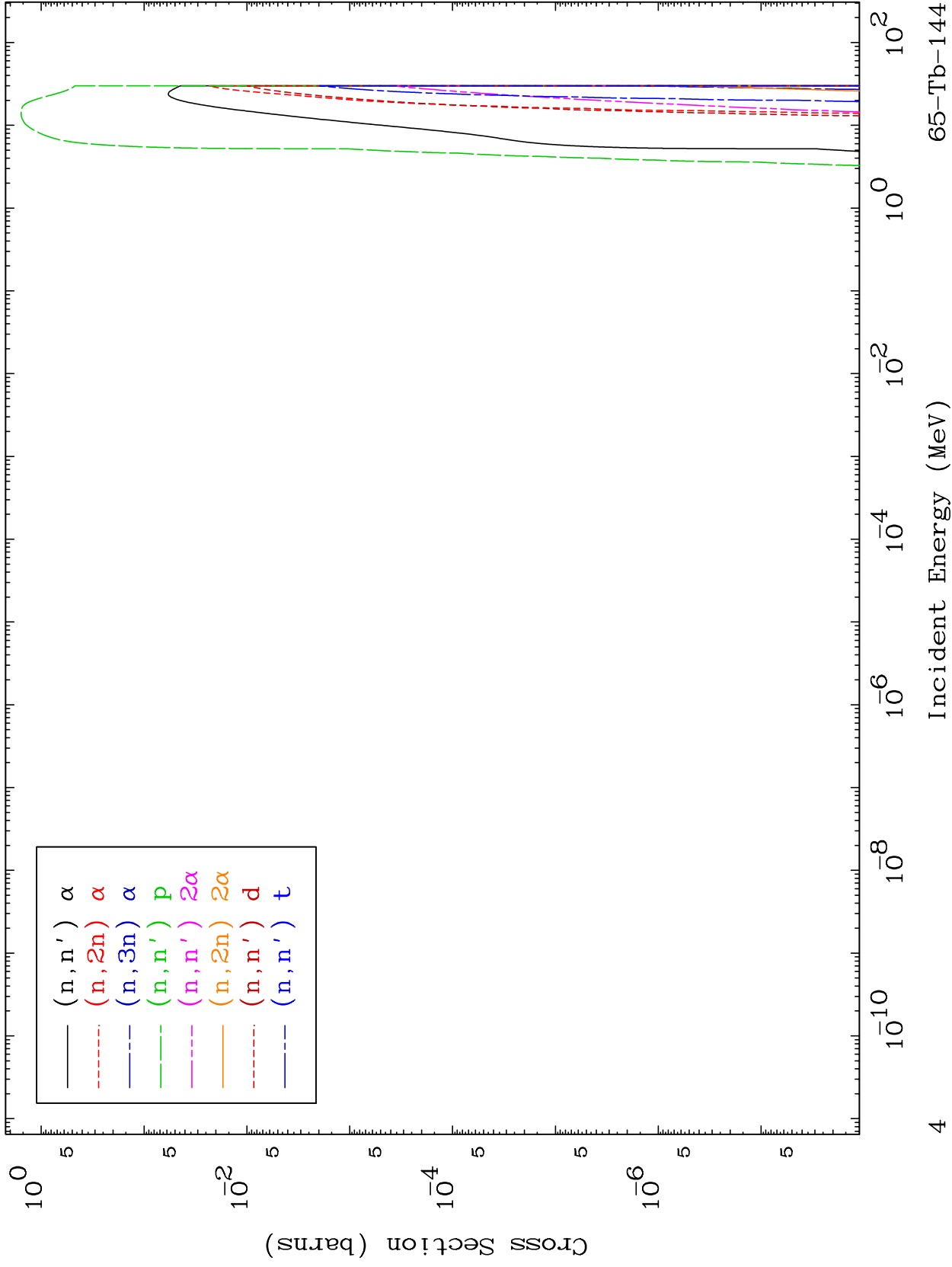
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MAT 6480

Charged Particle
293 Kelvin Cross Sections

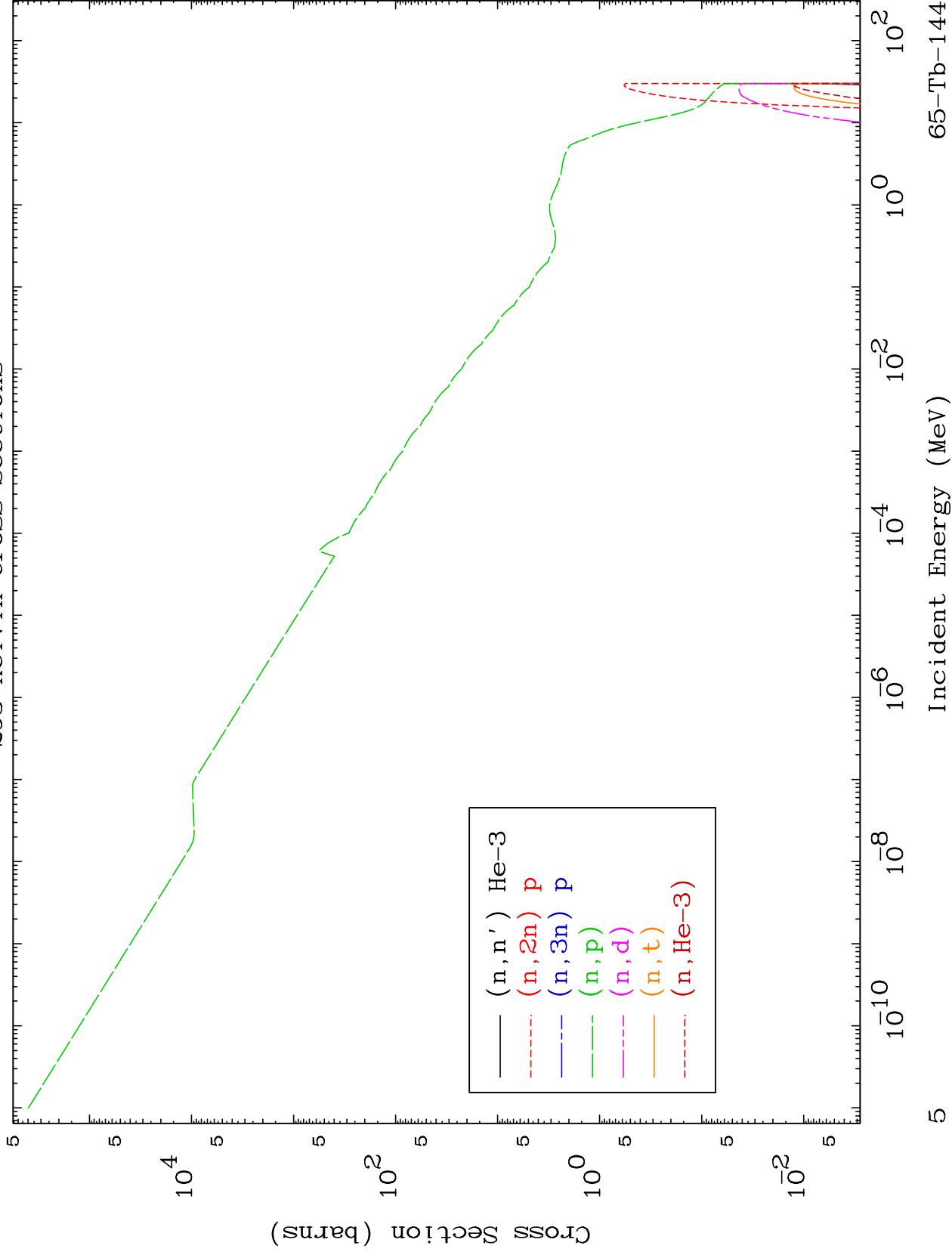
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MAT 6480

Charged Particle
293 Kelvin Cross Sections

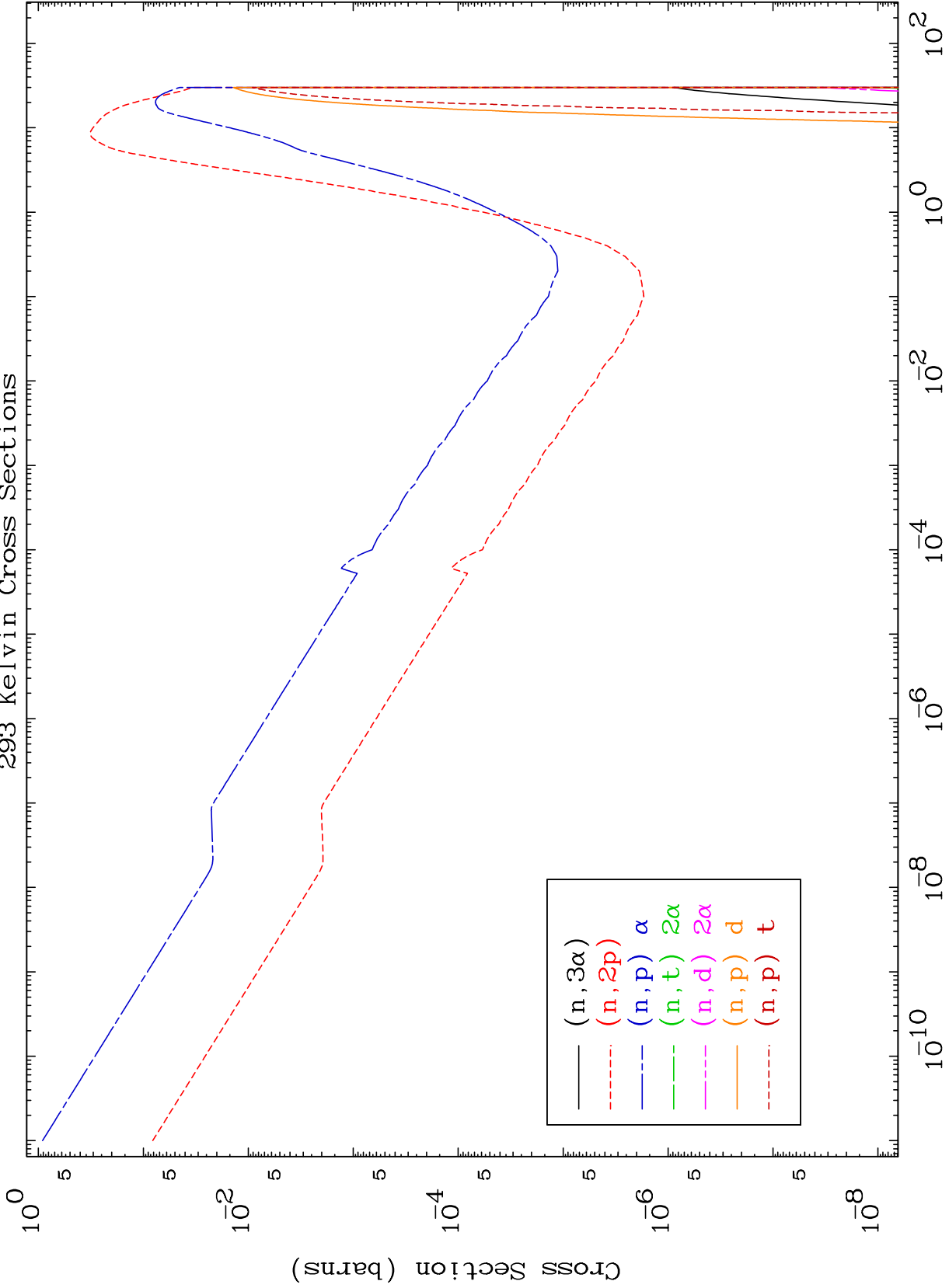
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MAT 6480

Charged Particle
293 Kelvin Cross Sections

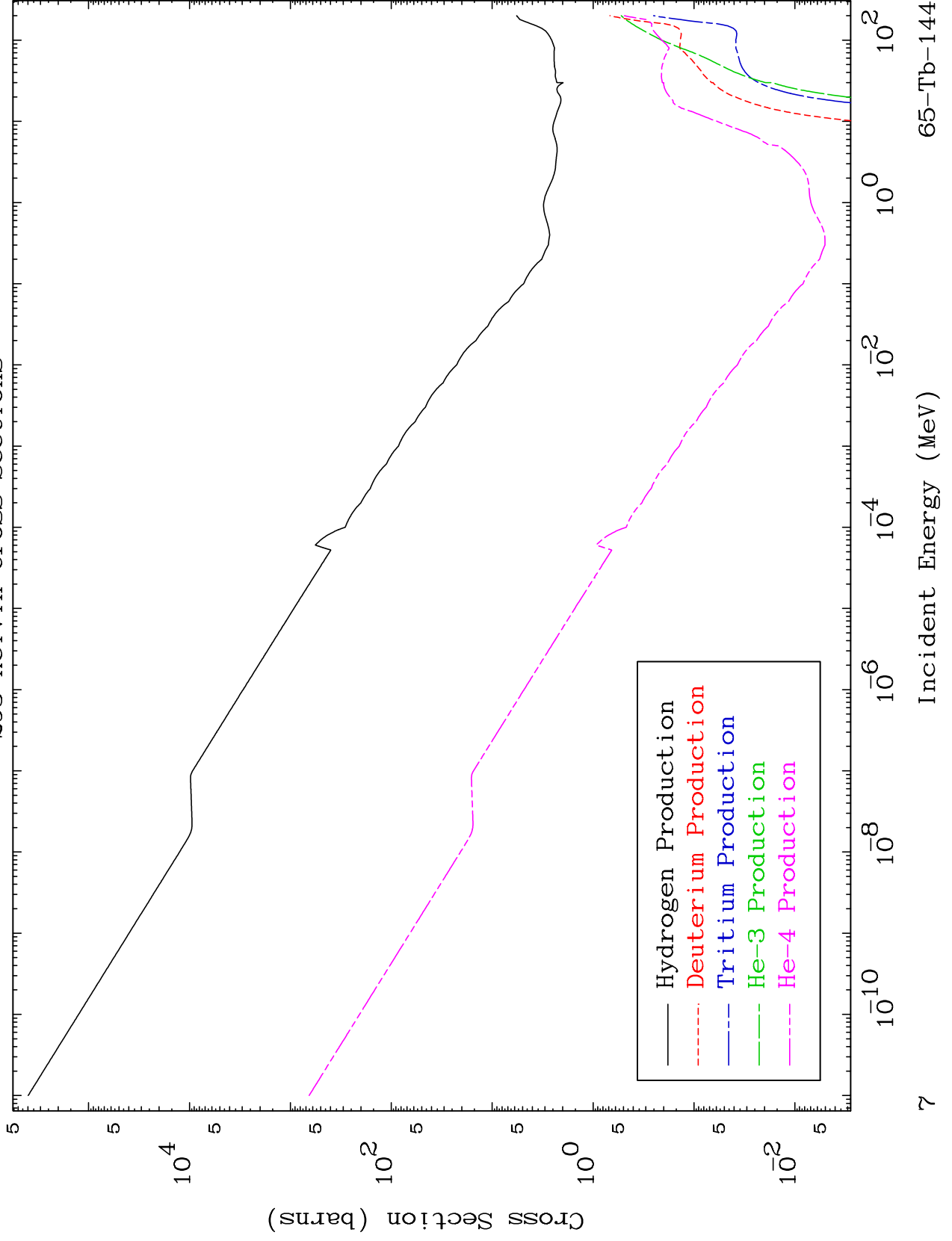
65-Tb-144



MAT 6480

Particle Production
293 Kelvin Cross Sections

65-Tb-144

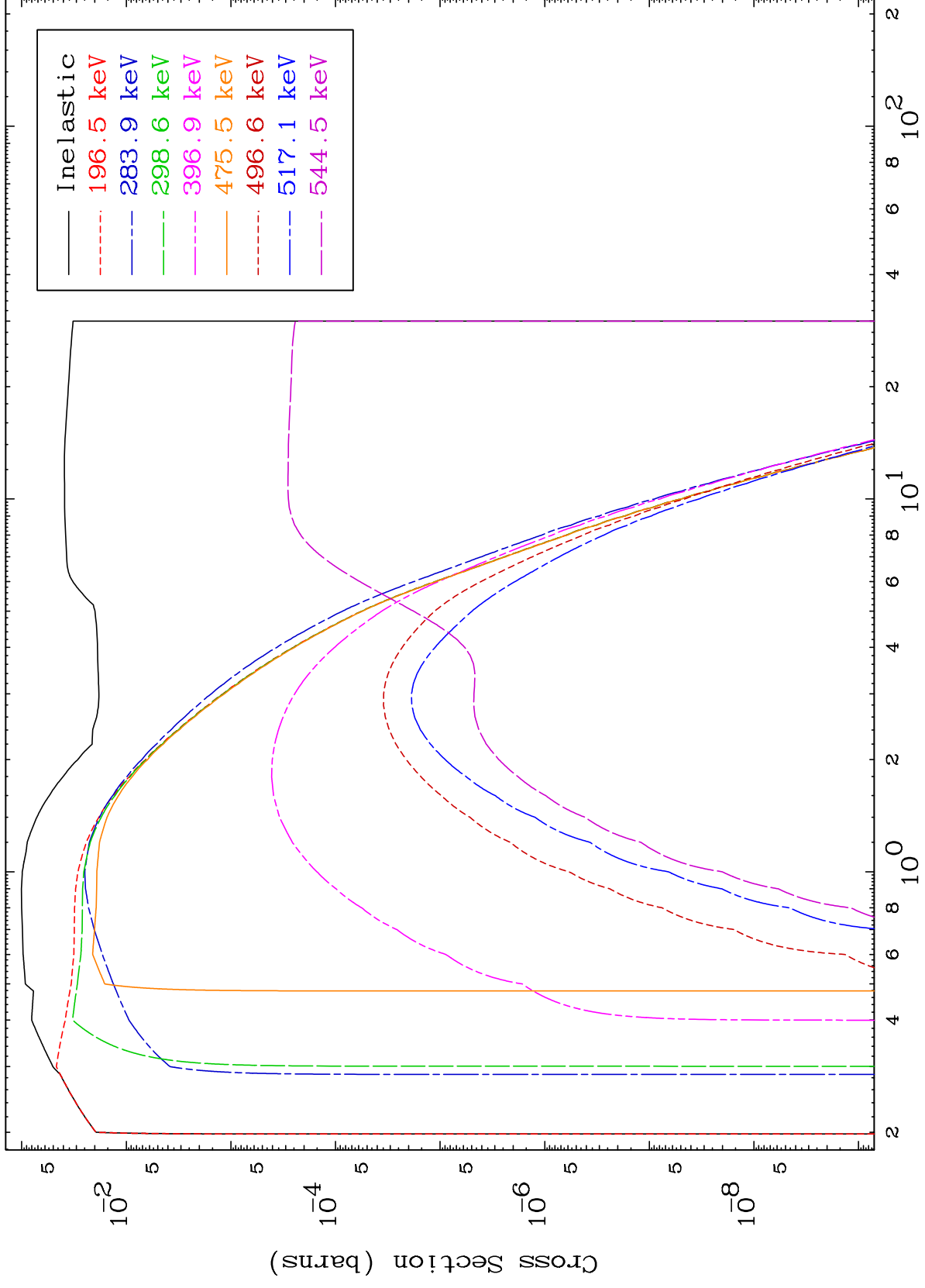


MAT 6480

(n,n') Level

65-Tb-144

293 Kelvin Cross Sections



8

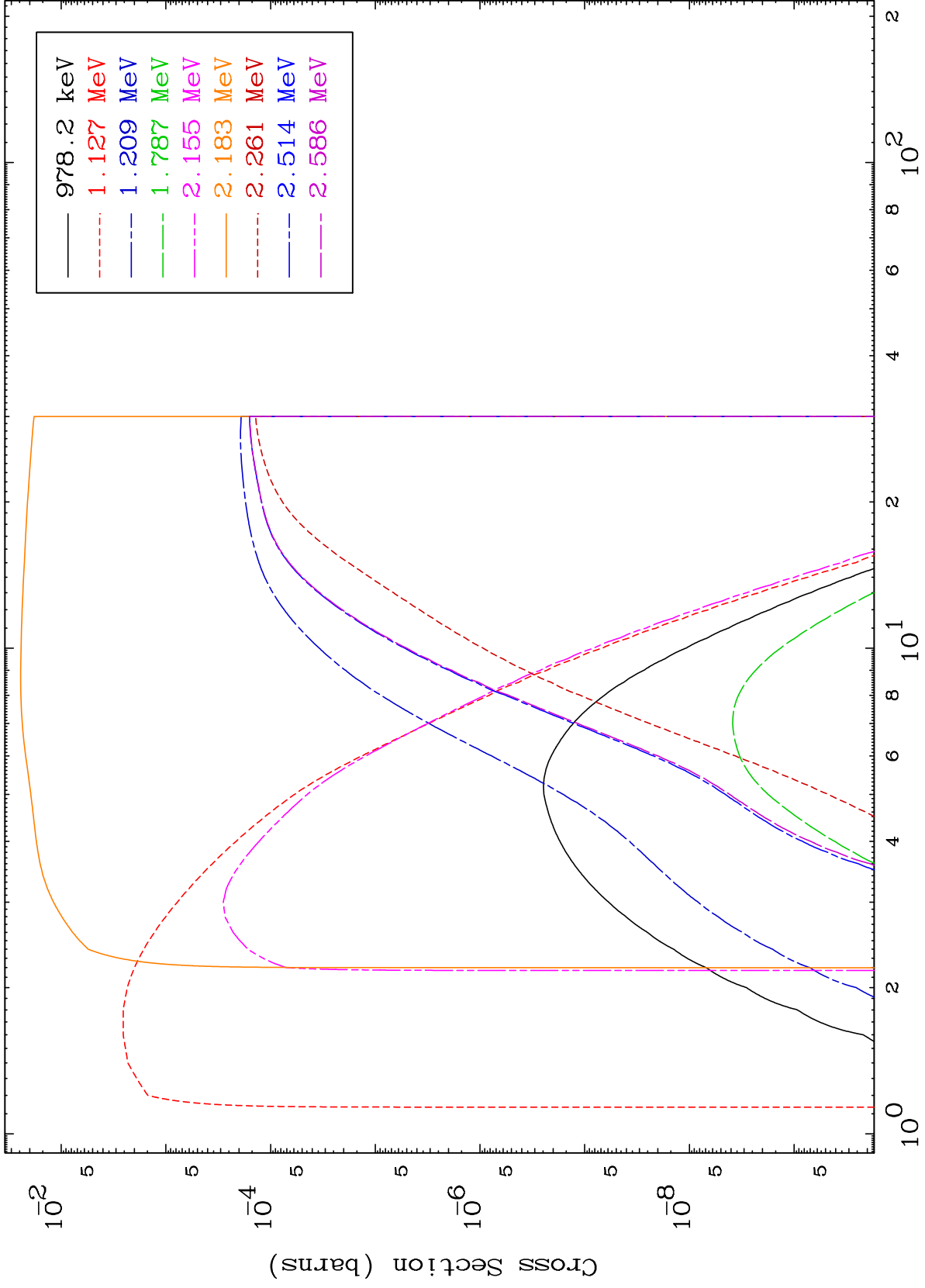
Incident Energy (MeV)

65-Tb-144

MAT 6480

(n,n') Level
293 Kelvin Cross Sections

65-Tb-144



Incident Energy (MeV)

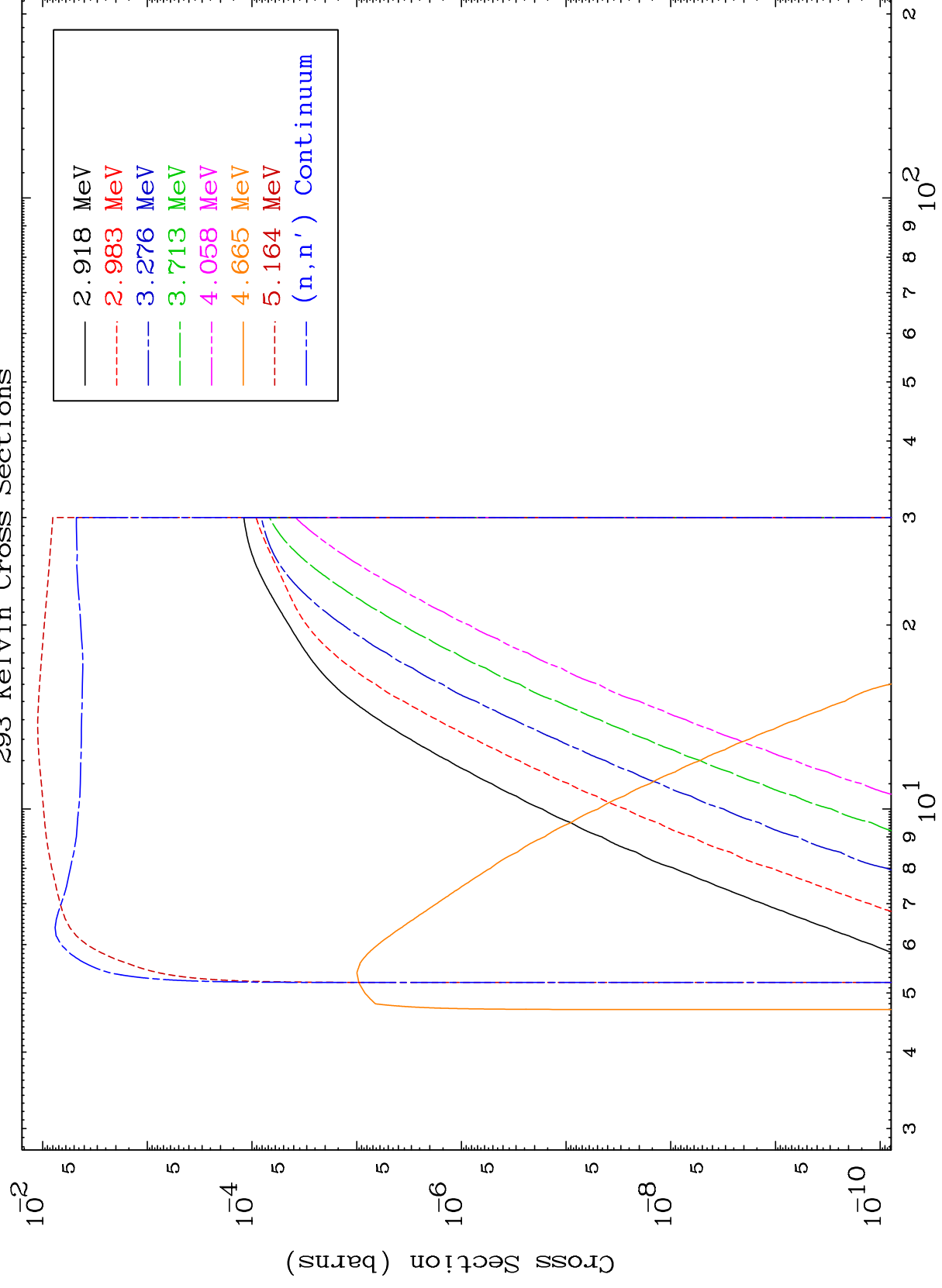
65-Tb-144

MAT 6480

(n,n') Level

65-Tb-144

293 Kelvin Cross Sections



10

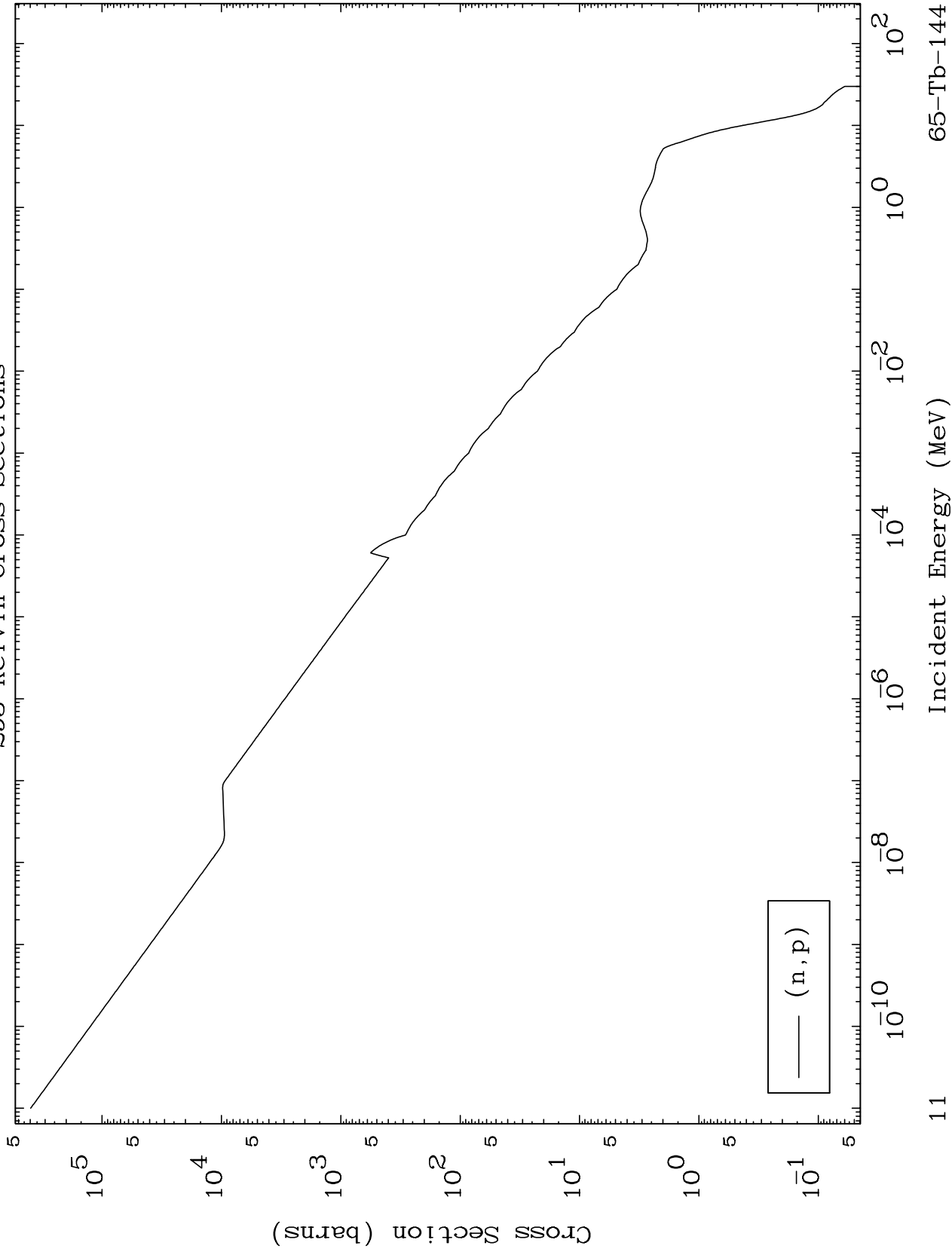
Incident Energy (MeV)

65-Tb-144

MAT 6480

(n,p) Levels
293 Kelvin Cross Sections

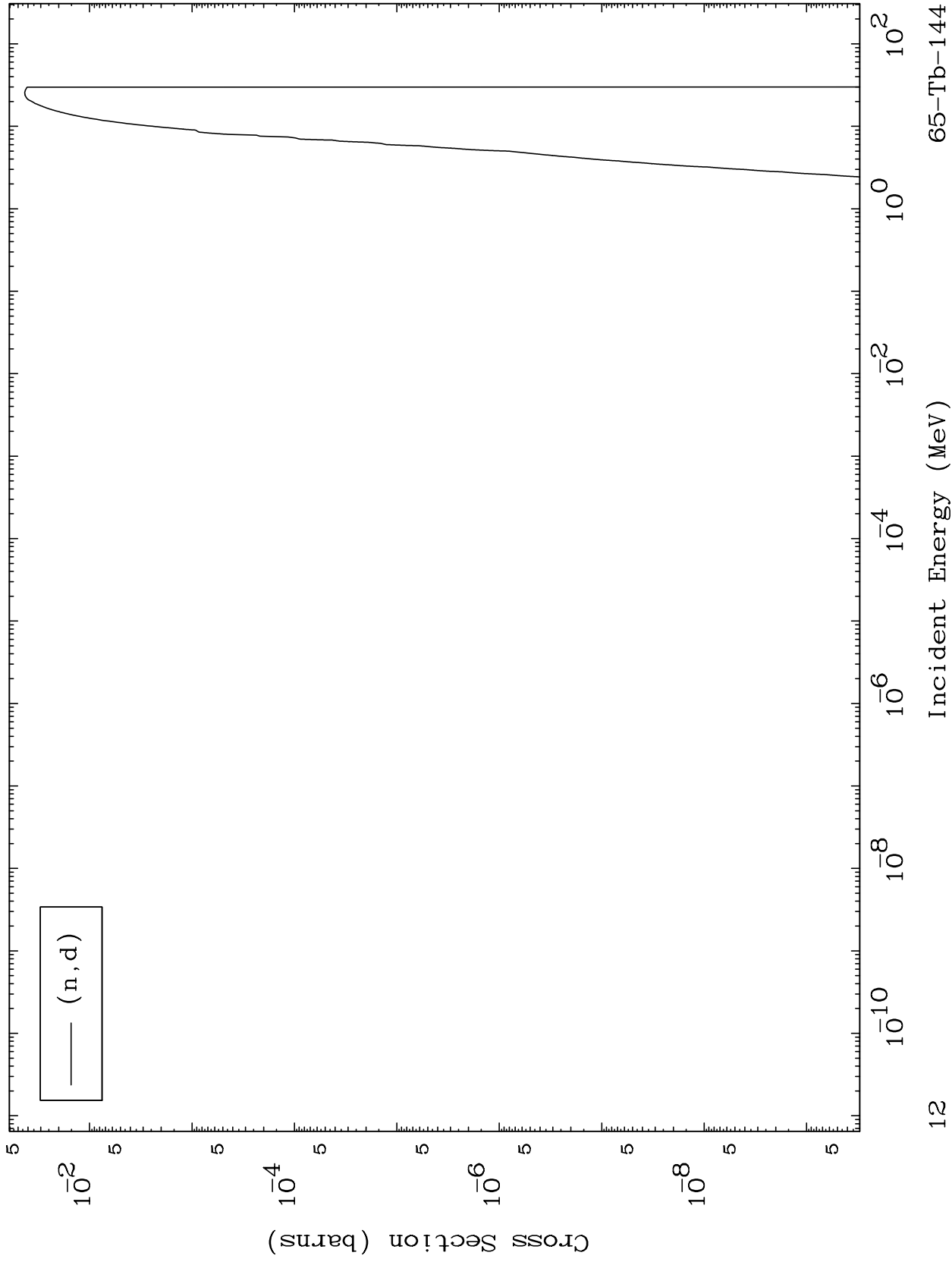
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MAT 6480

(n,d) Levels
293 Kelvin Cross Sections

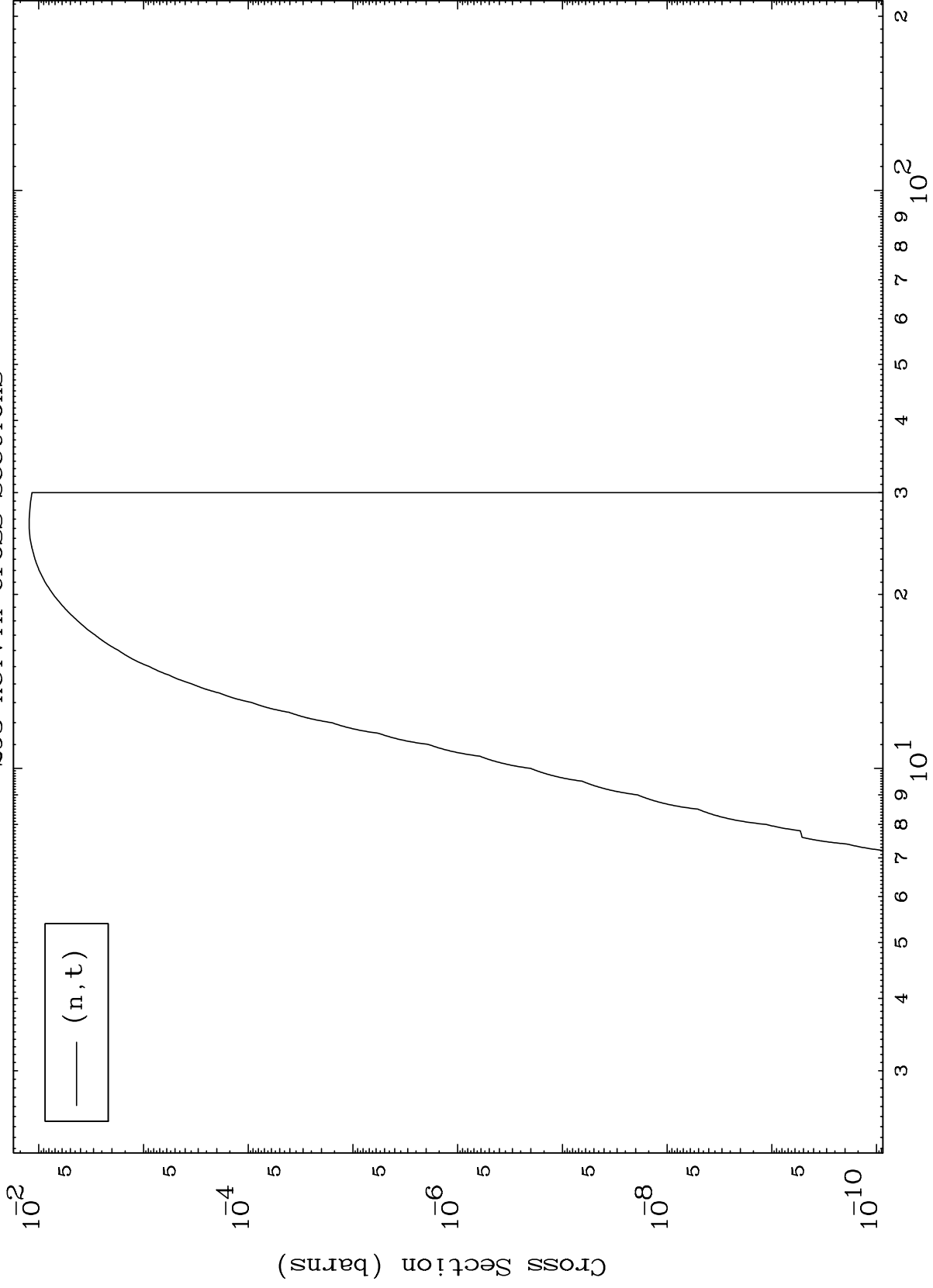
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MAT 6480

(n,t) Levels
293 Kelvin Cross Sections

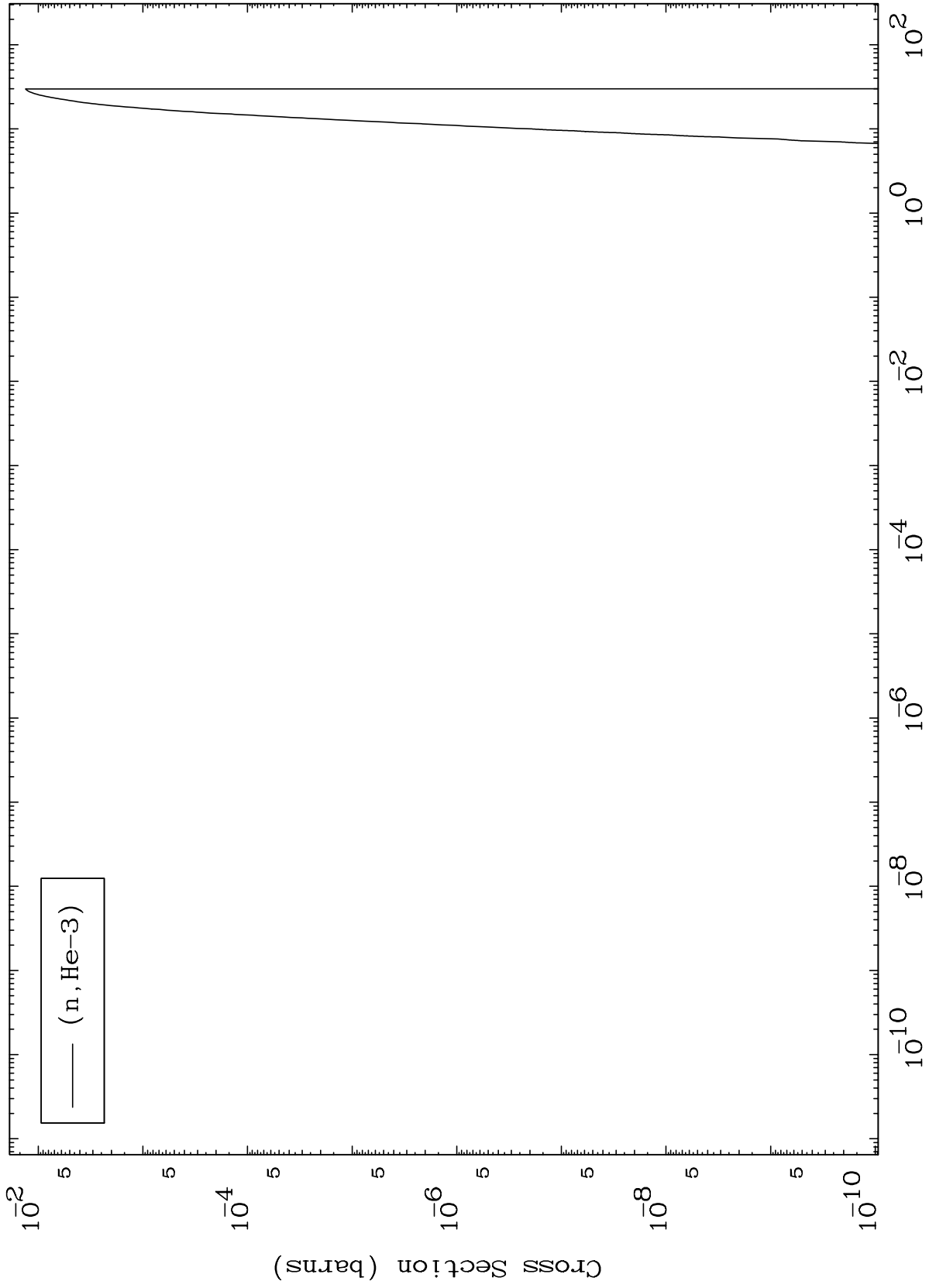
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MAT 6480

(n,He3) Levels
293 Kelvin Cross Sections

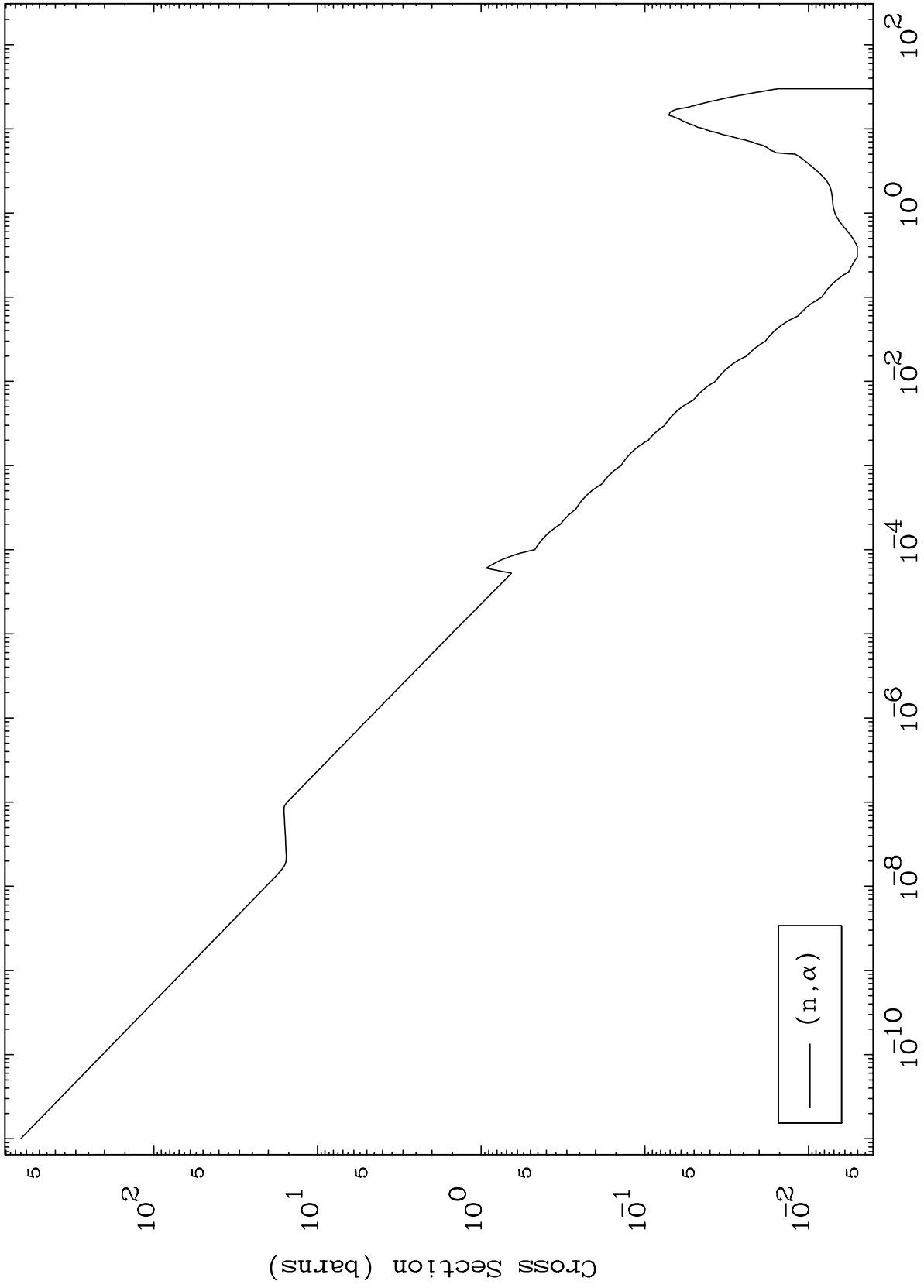
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MAT 6480

(n,α) Levels
293 Kelvin Cross Sections

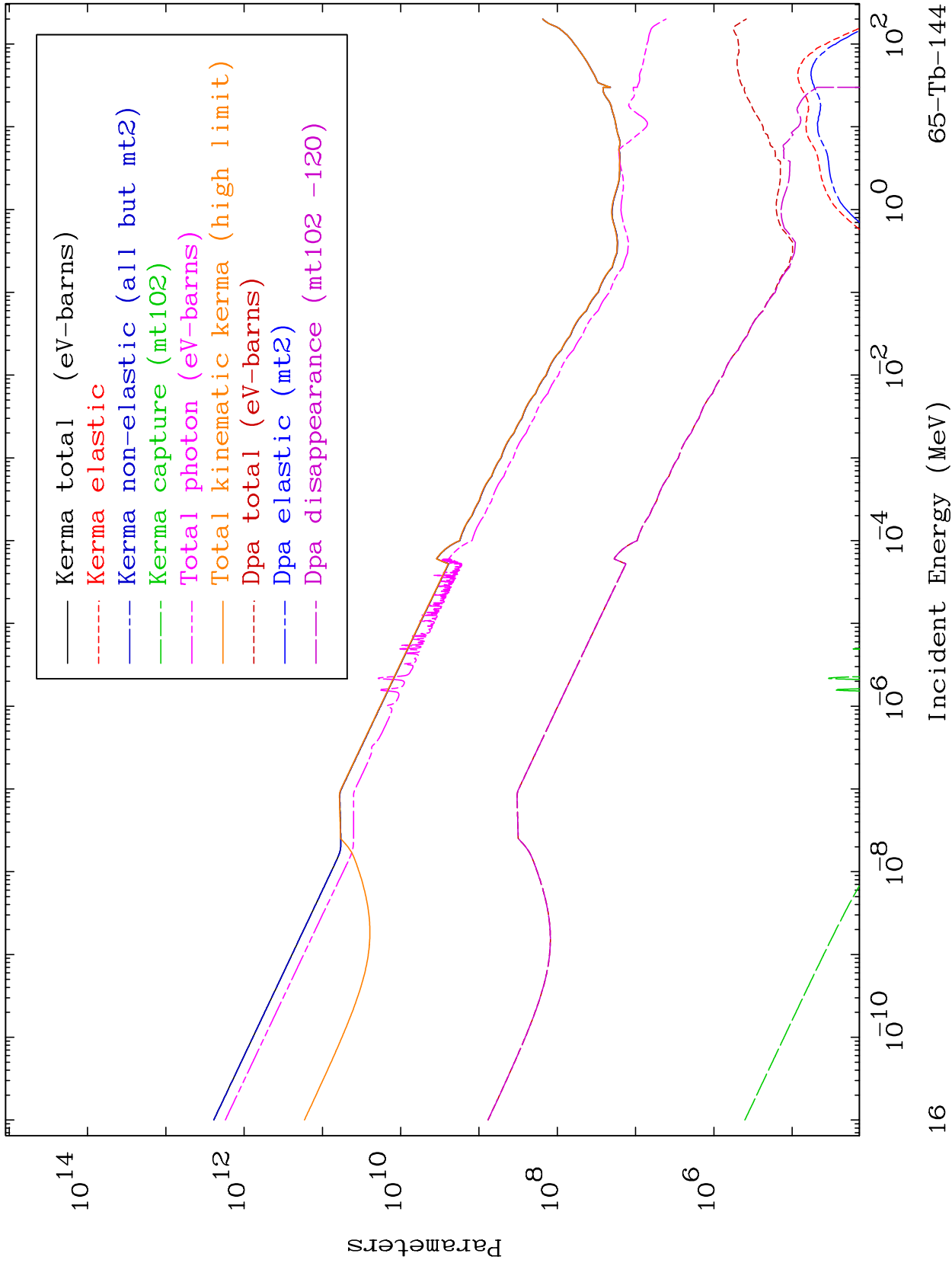
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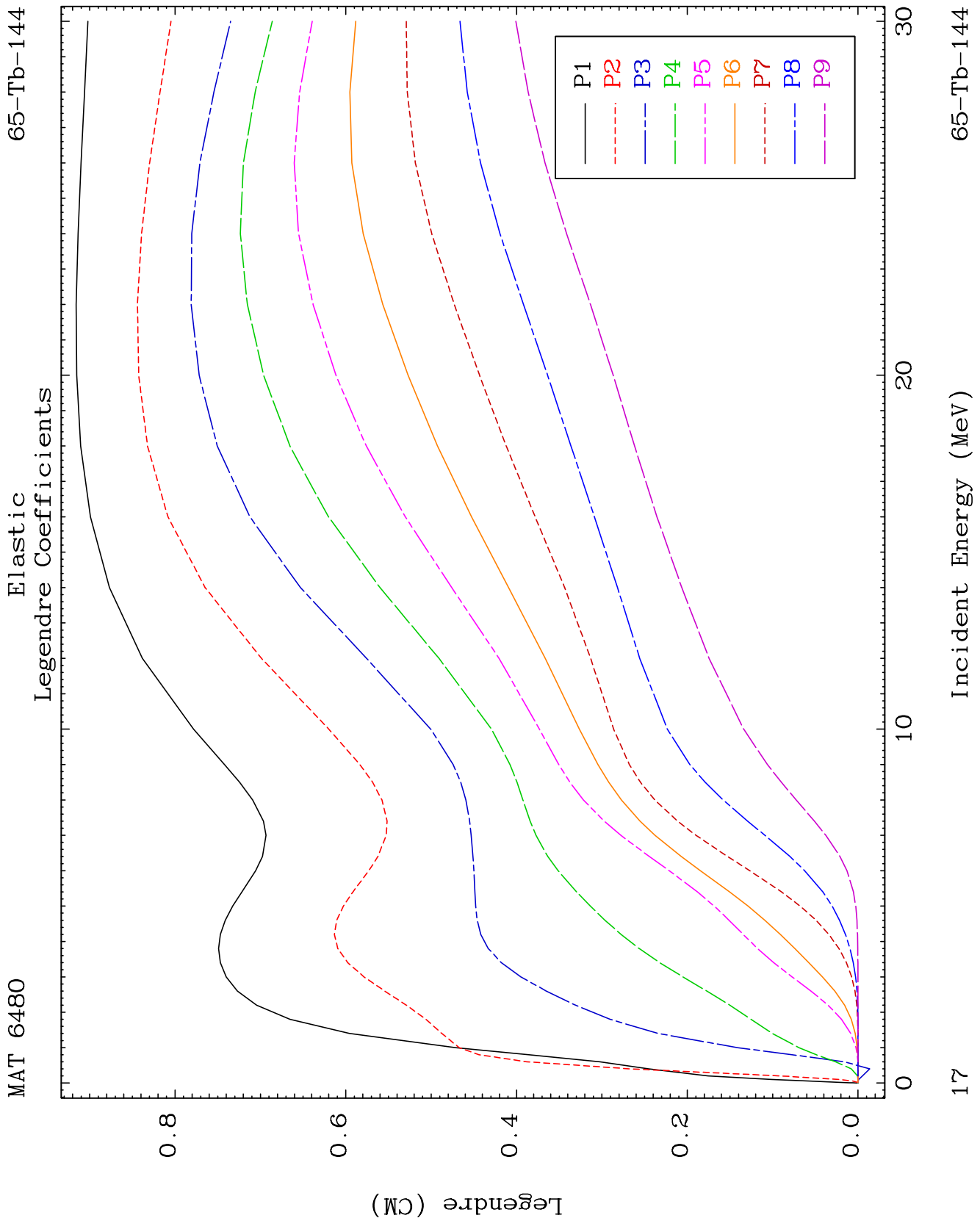


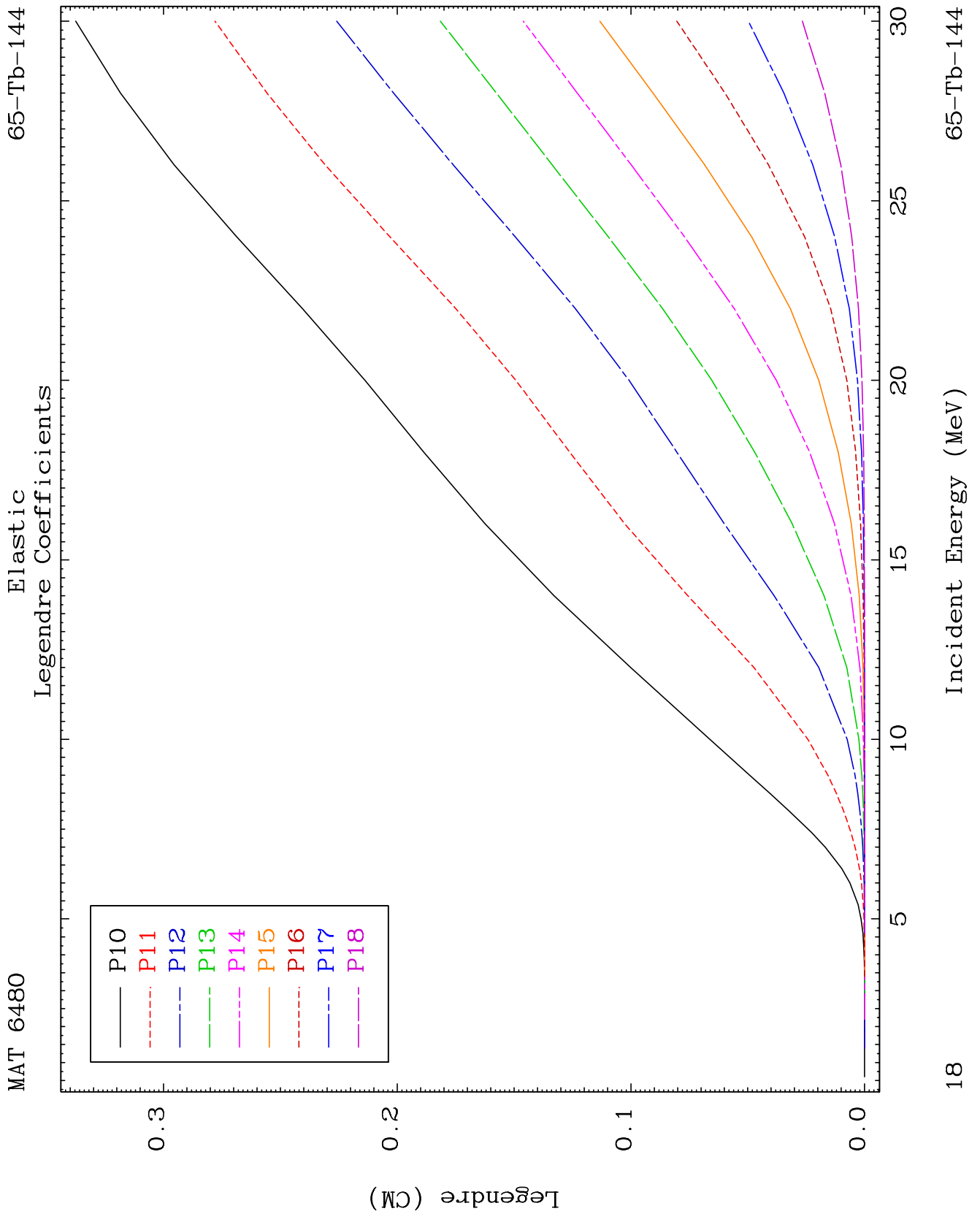
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Incident Energy (MeV)

65-Tb-144



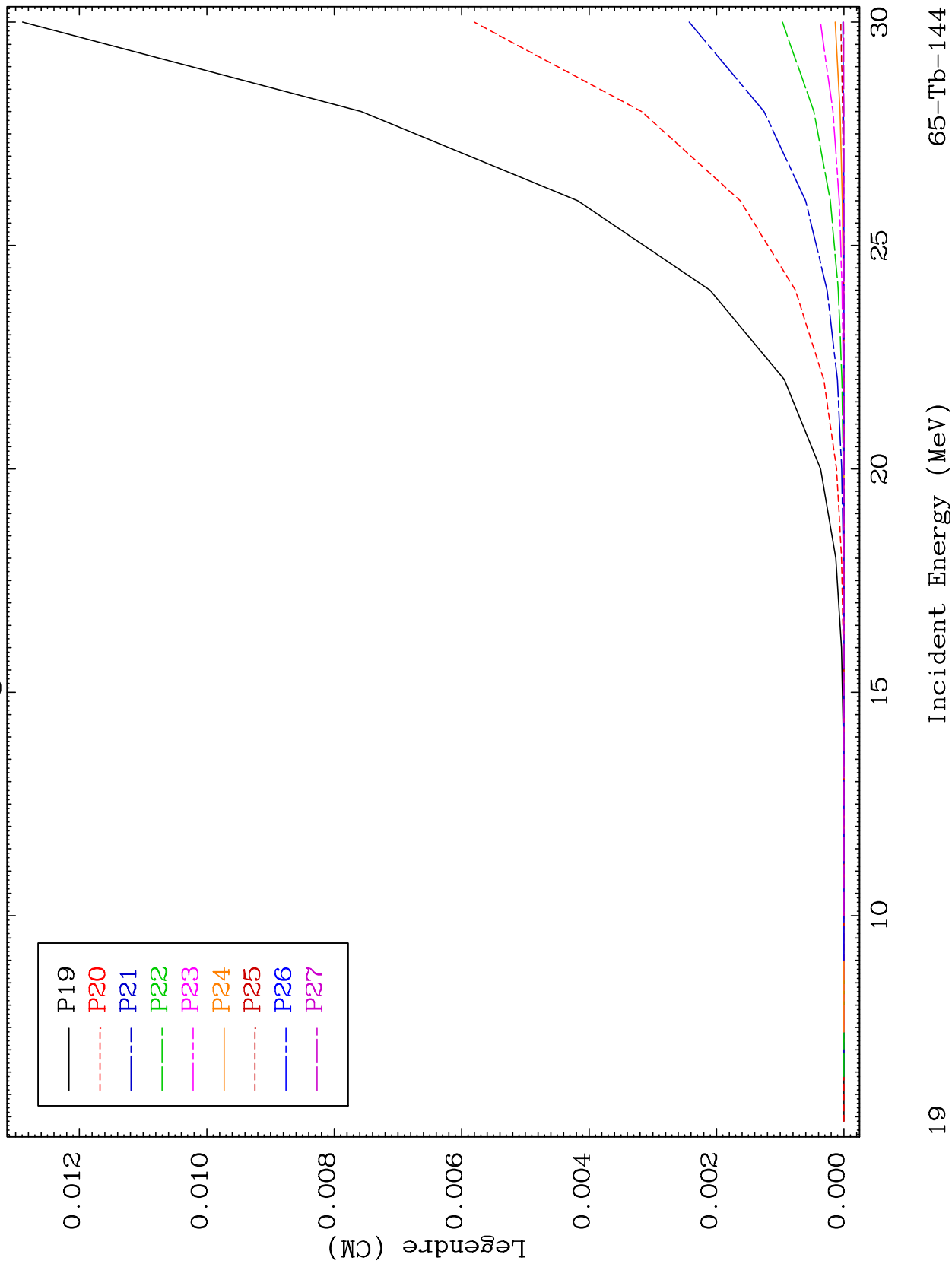




MAT 6480

Elastic Legendre Coefficients

65-Tb-144



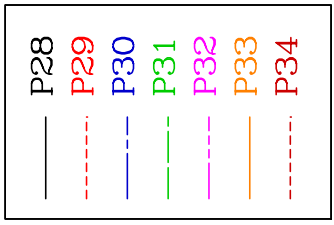
19

65-Tb-144

MAT 6480

Elastic Legendre Coefficients

65-Tb-144



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

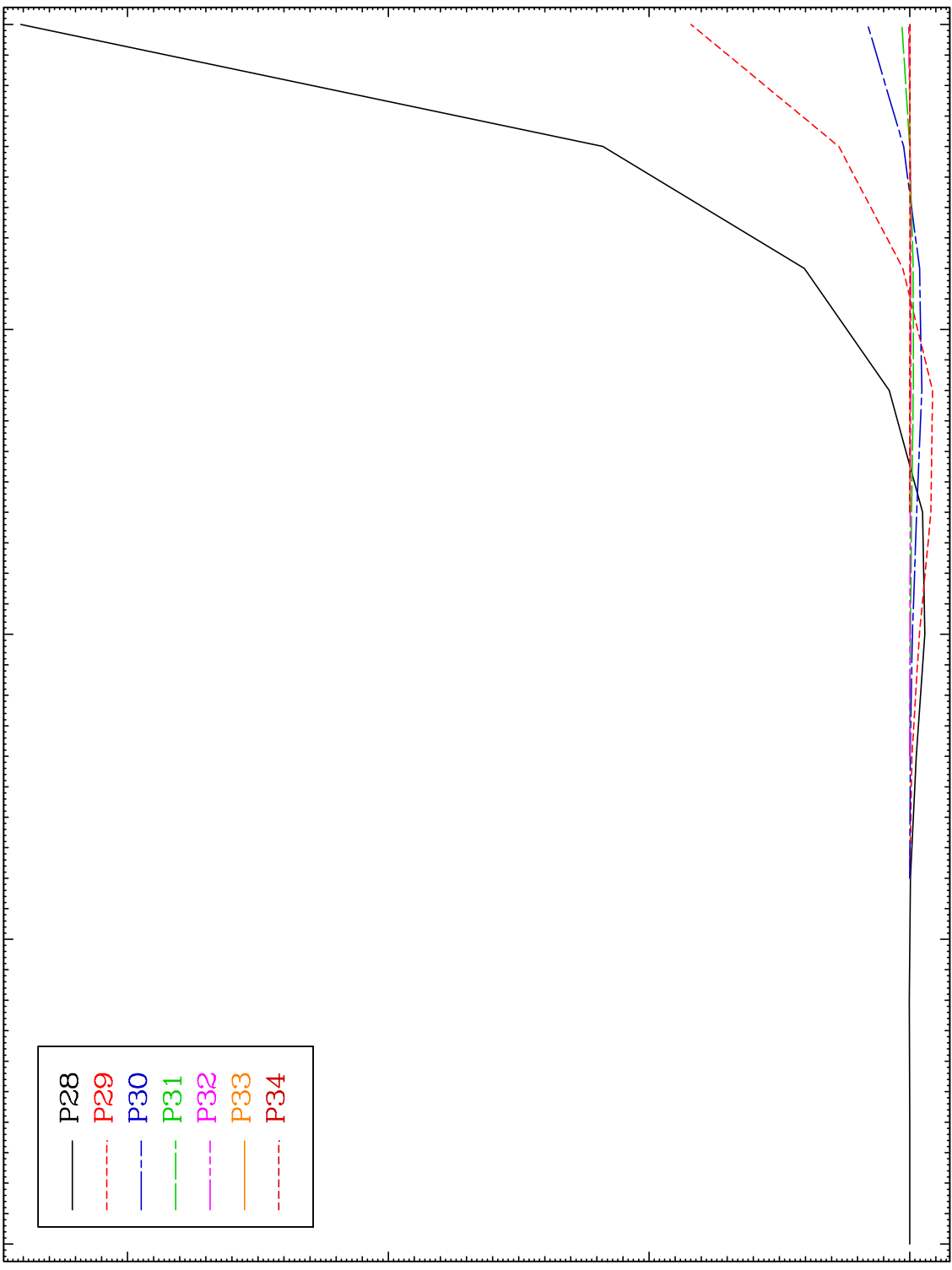
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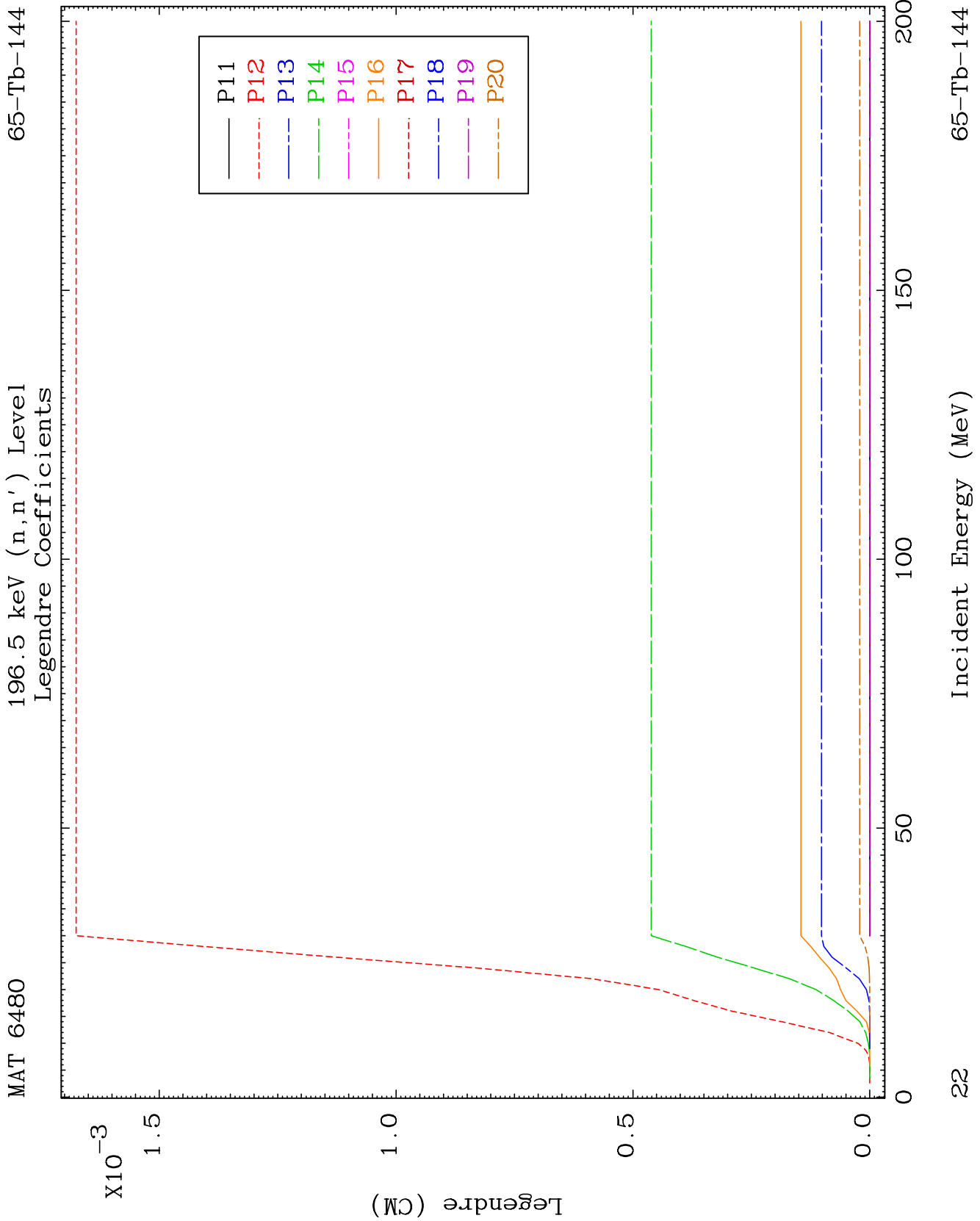
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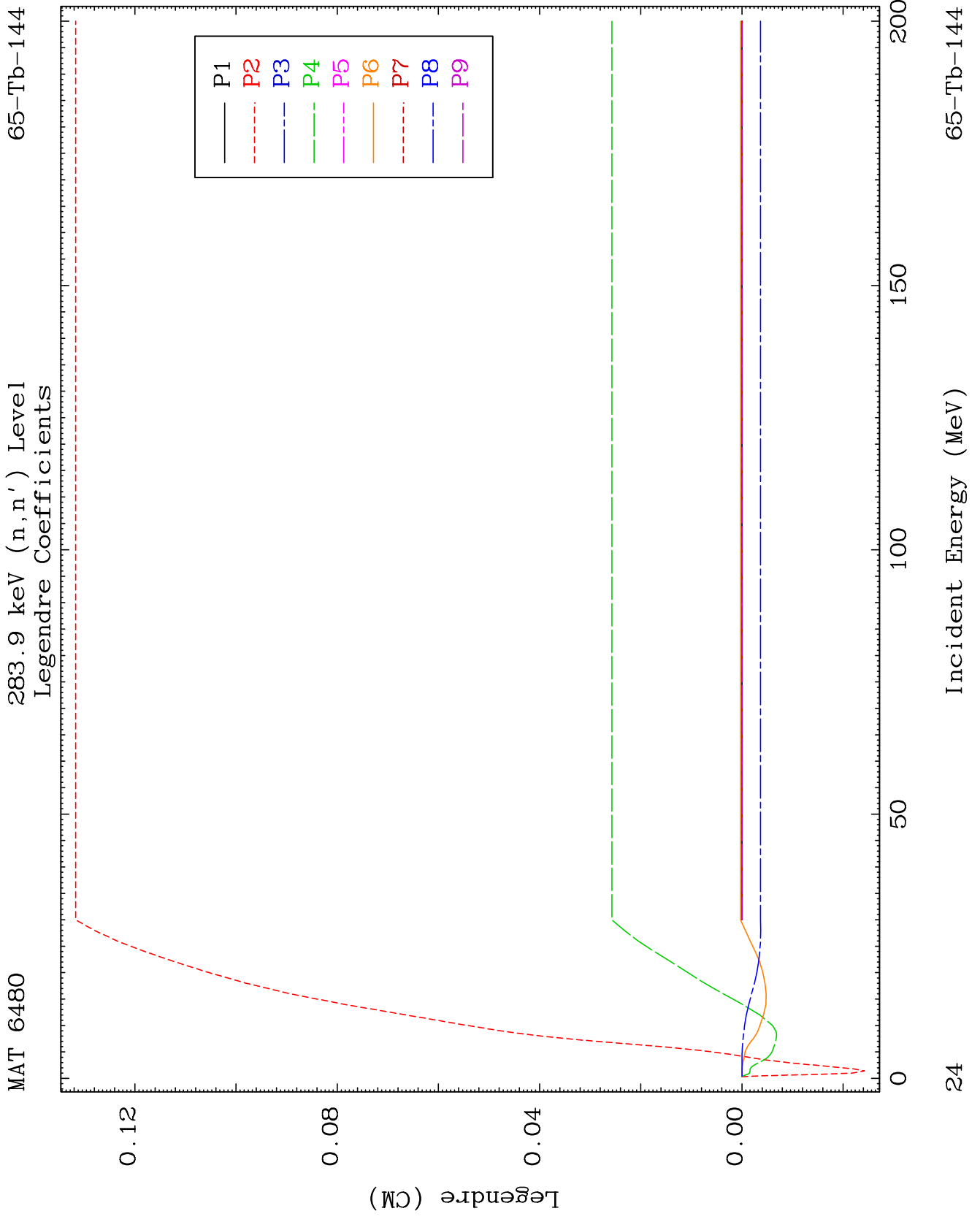
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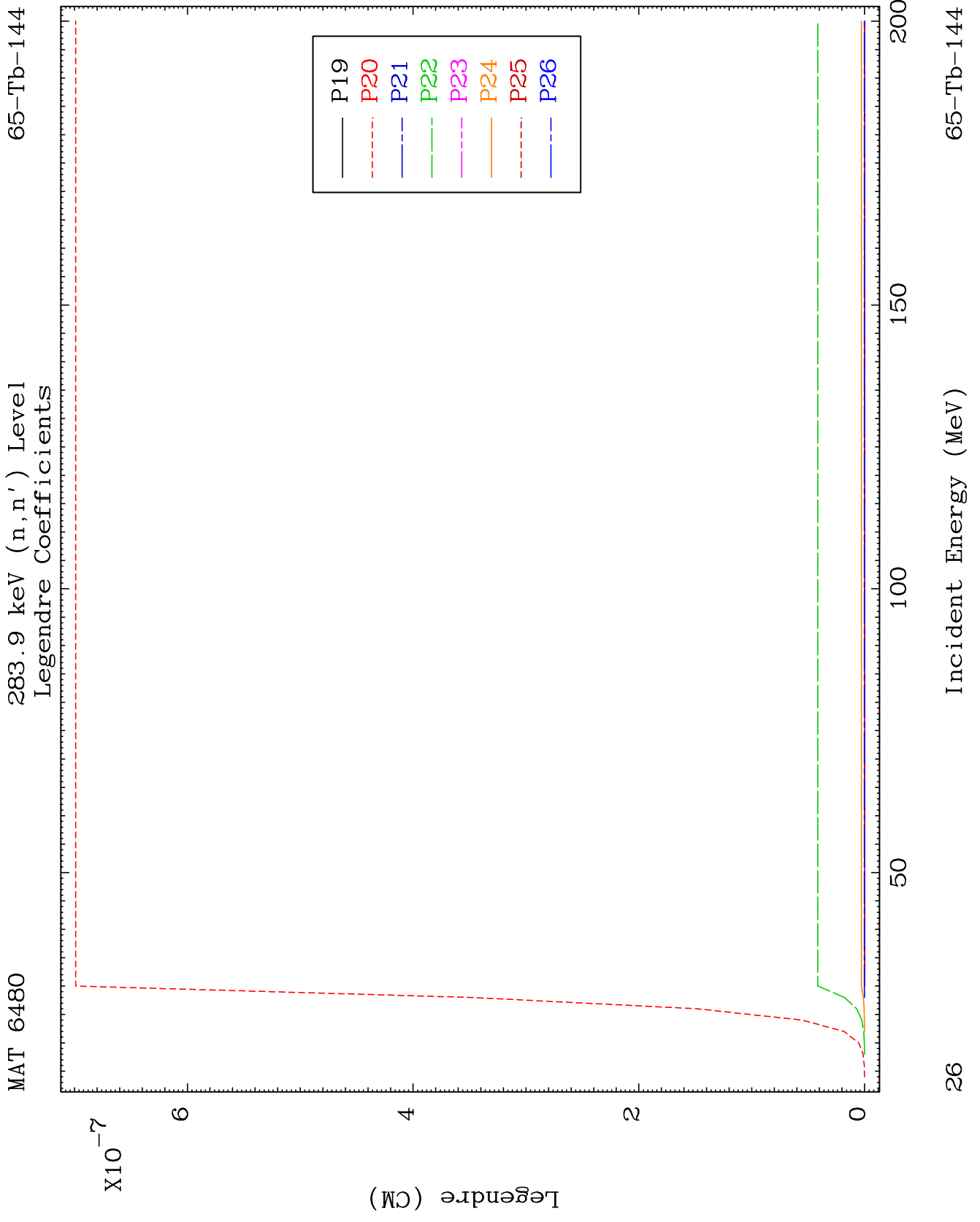
Incident Energy (MeV)

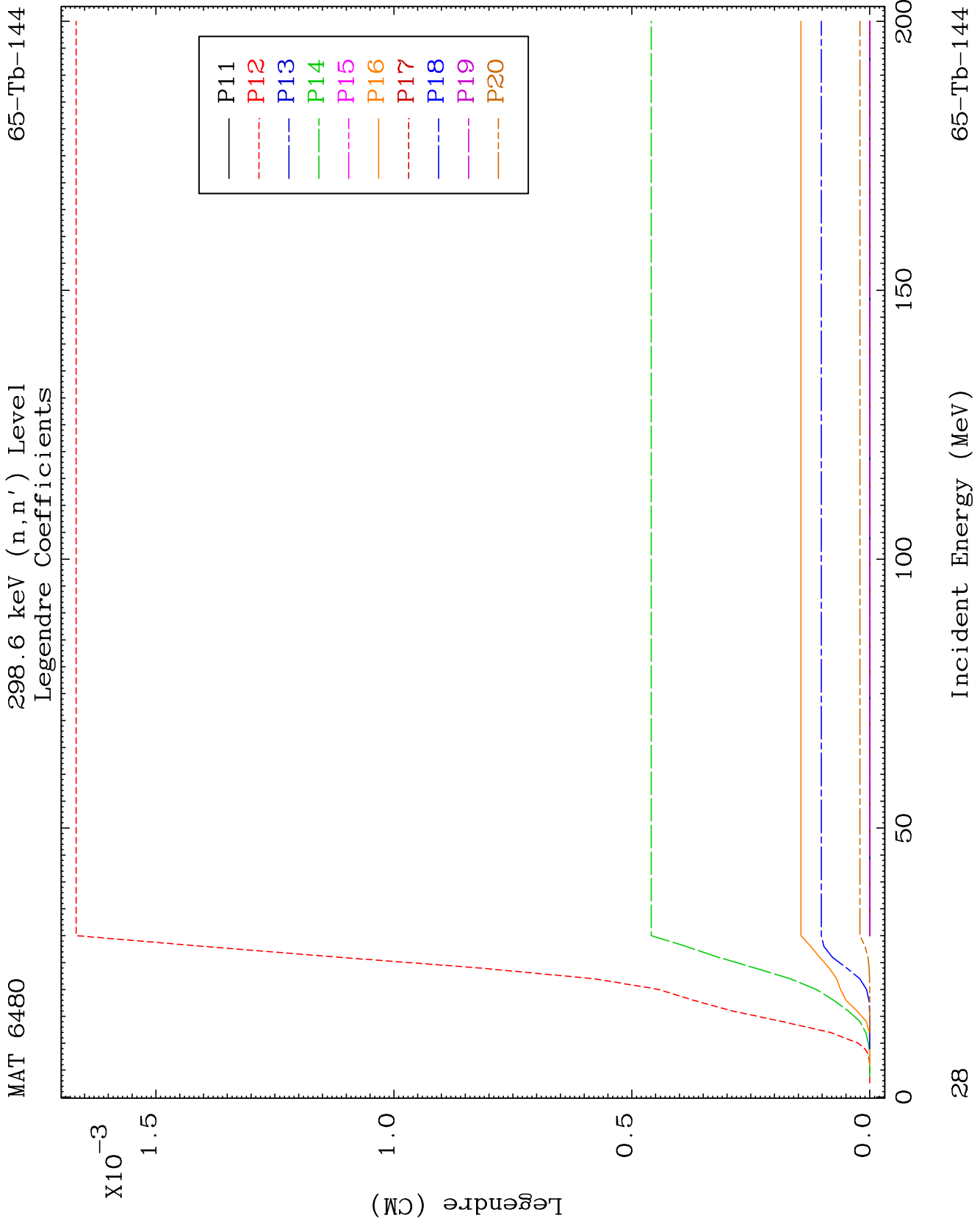
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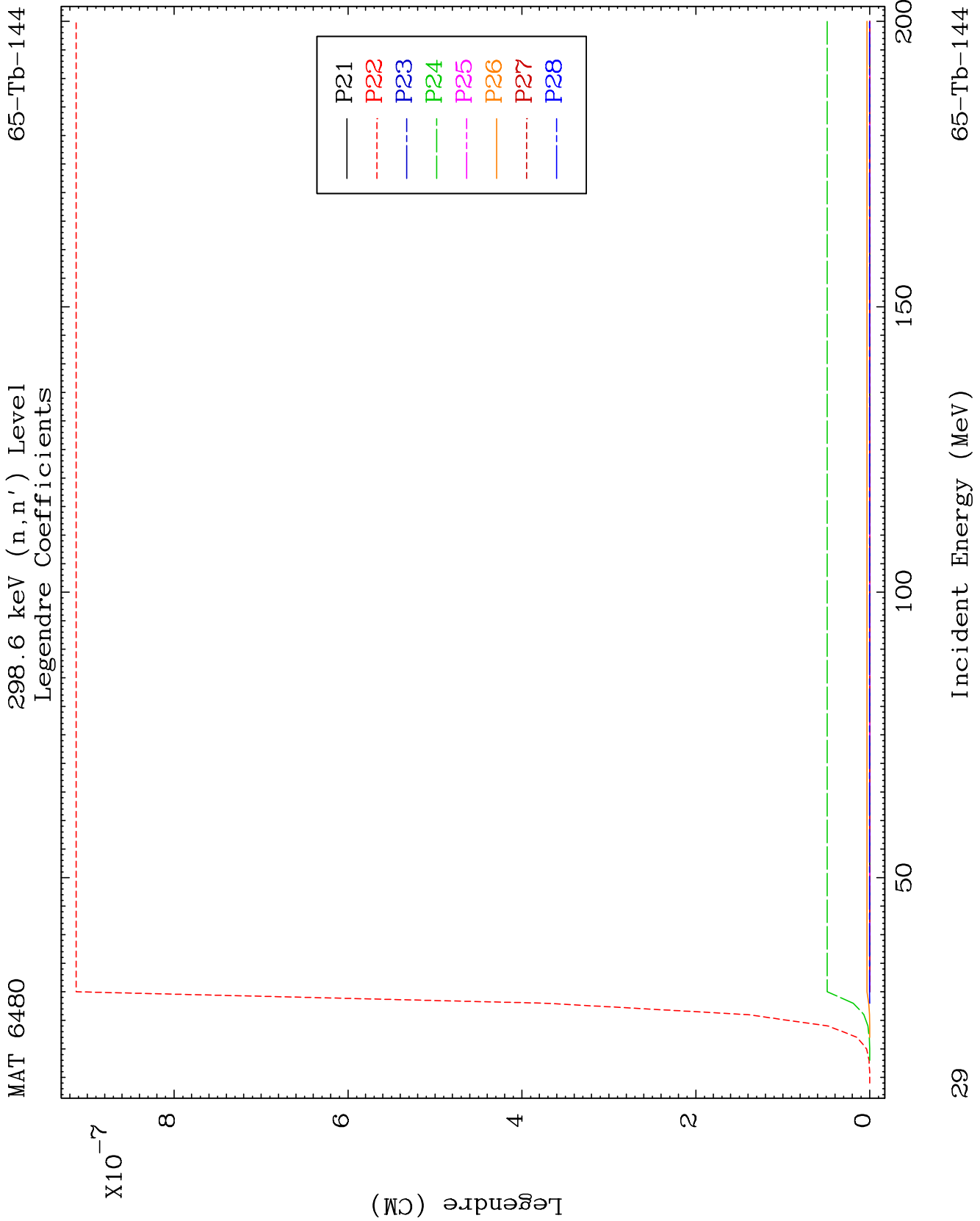


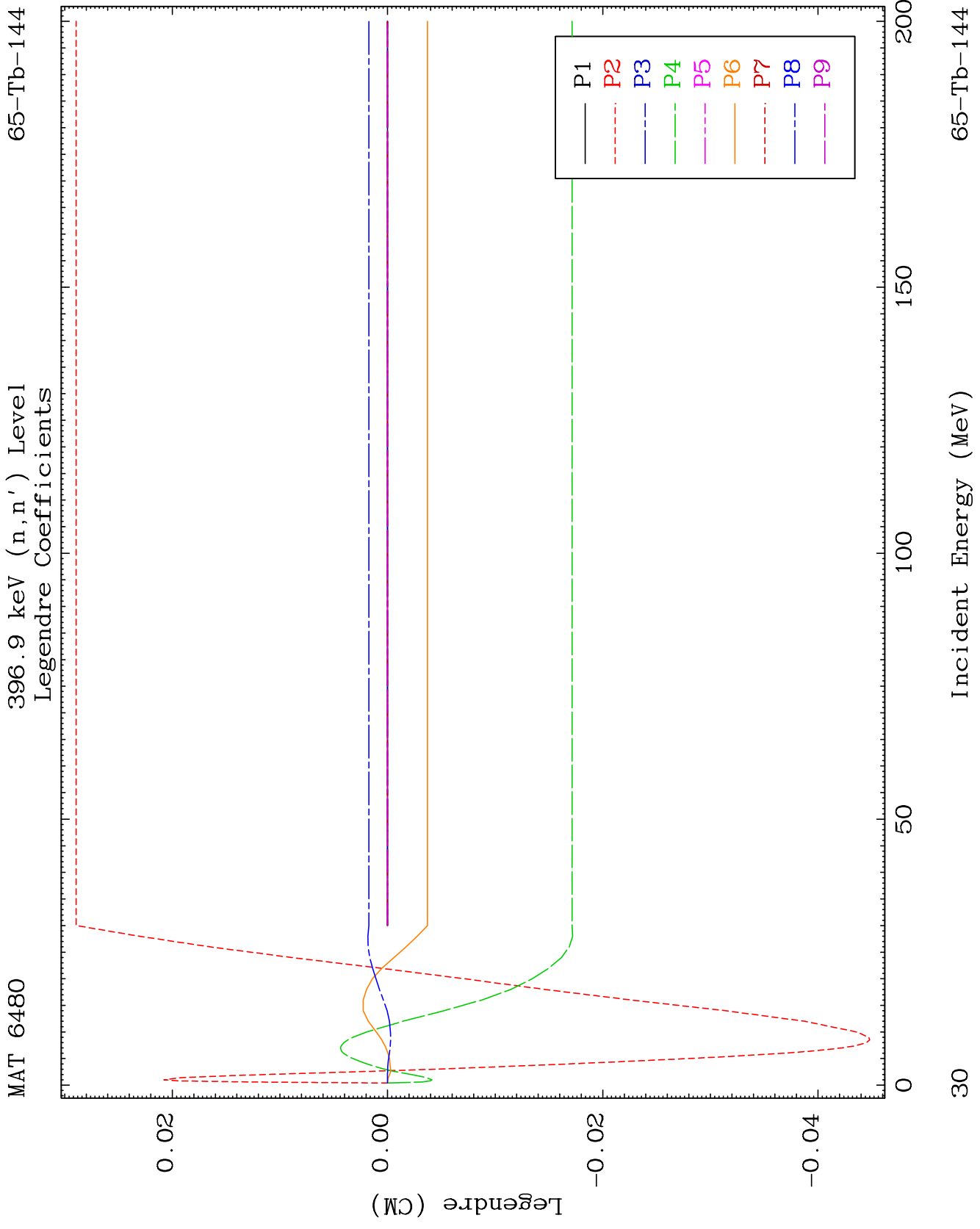








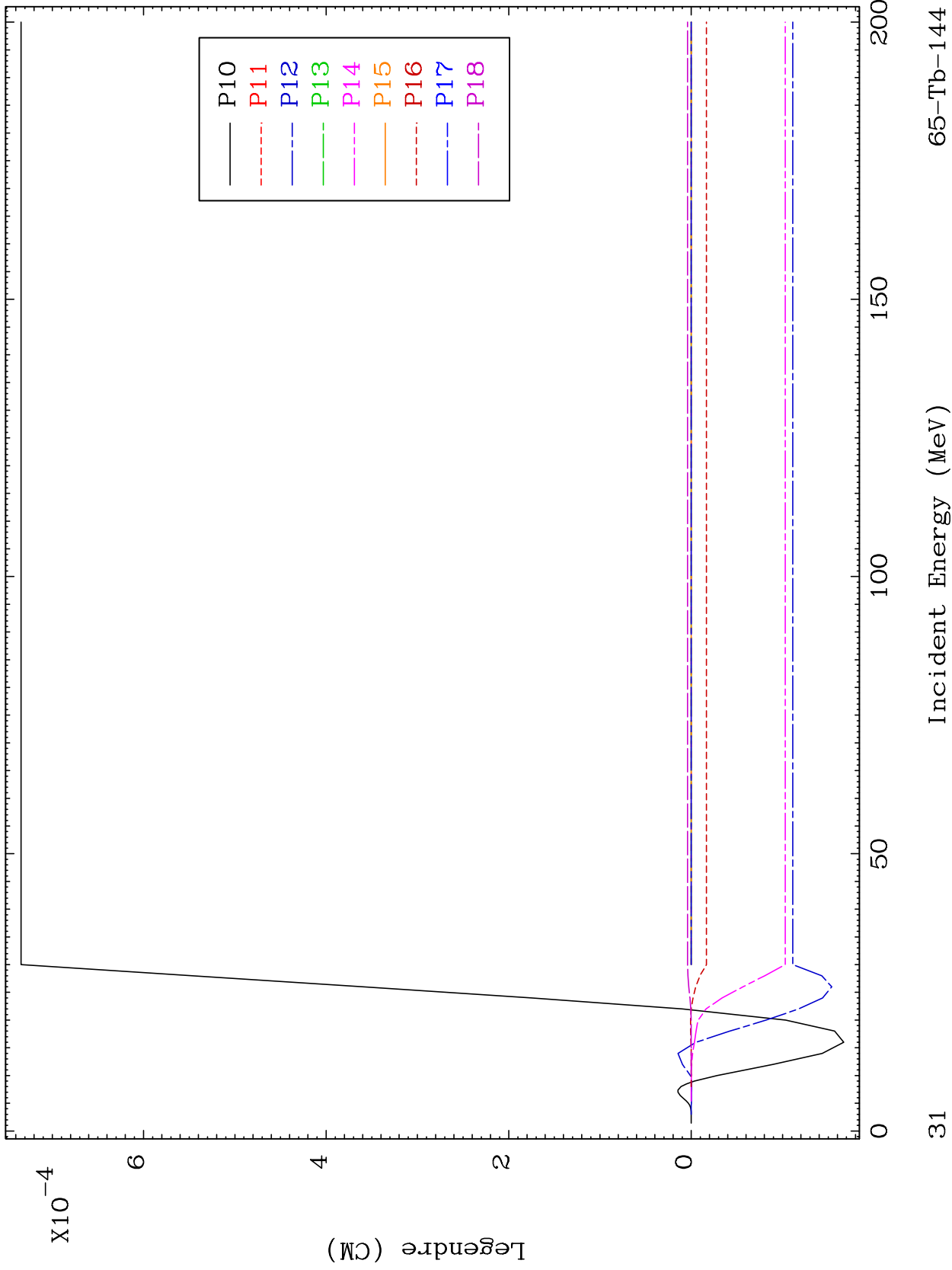




MAT 6480

396.9 keV (n, n') Level
Legendre Coefficients

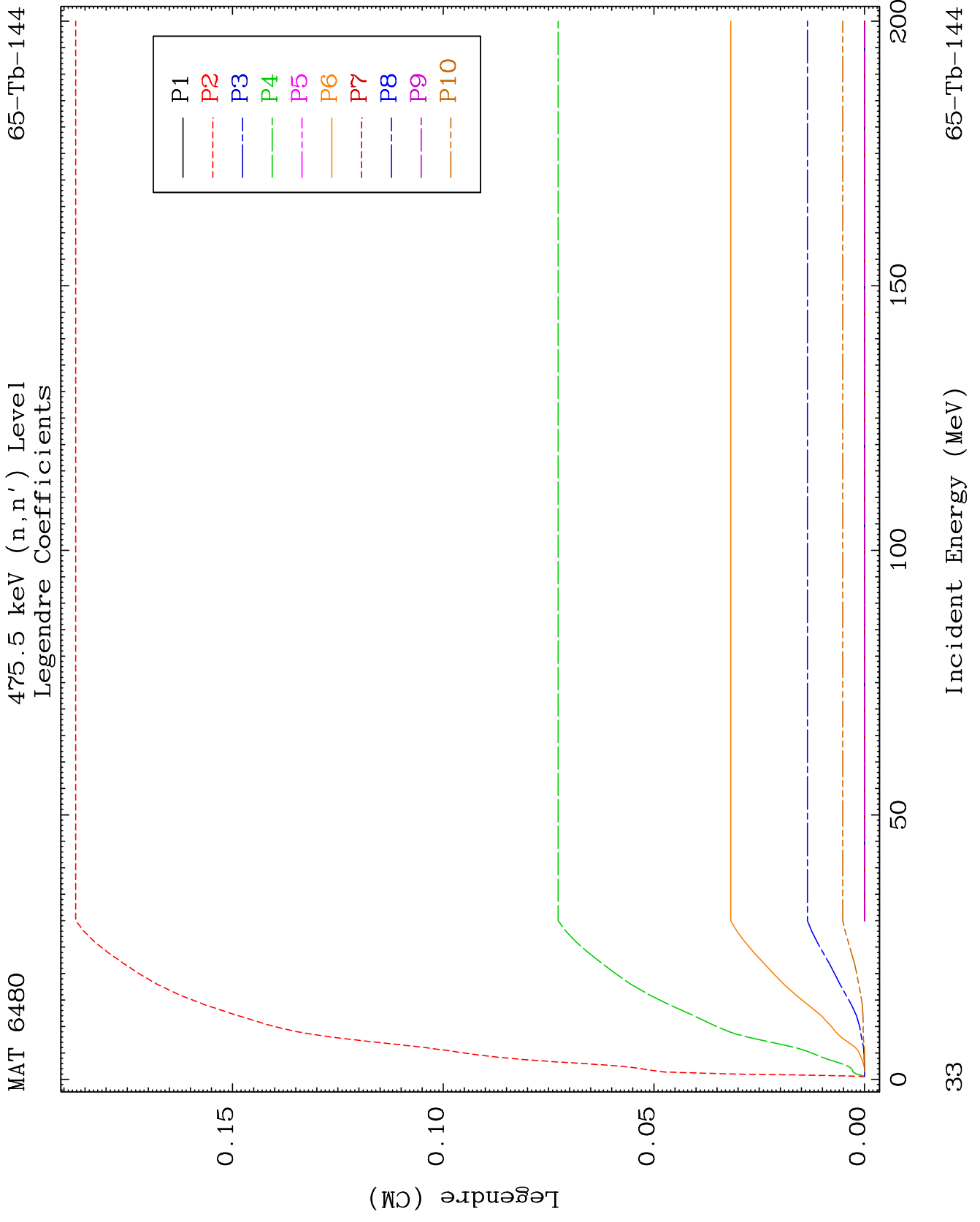
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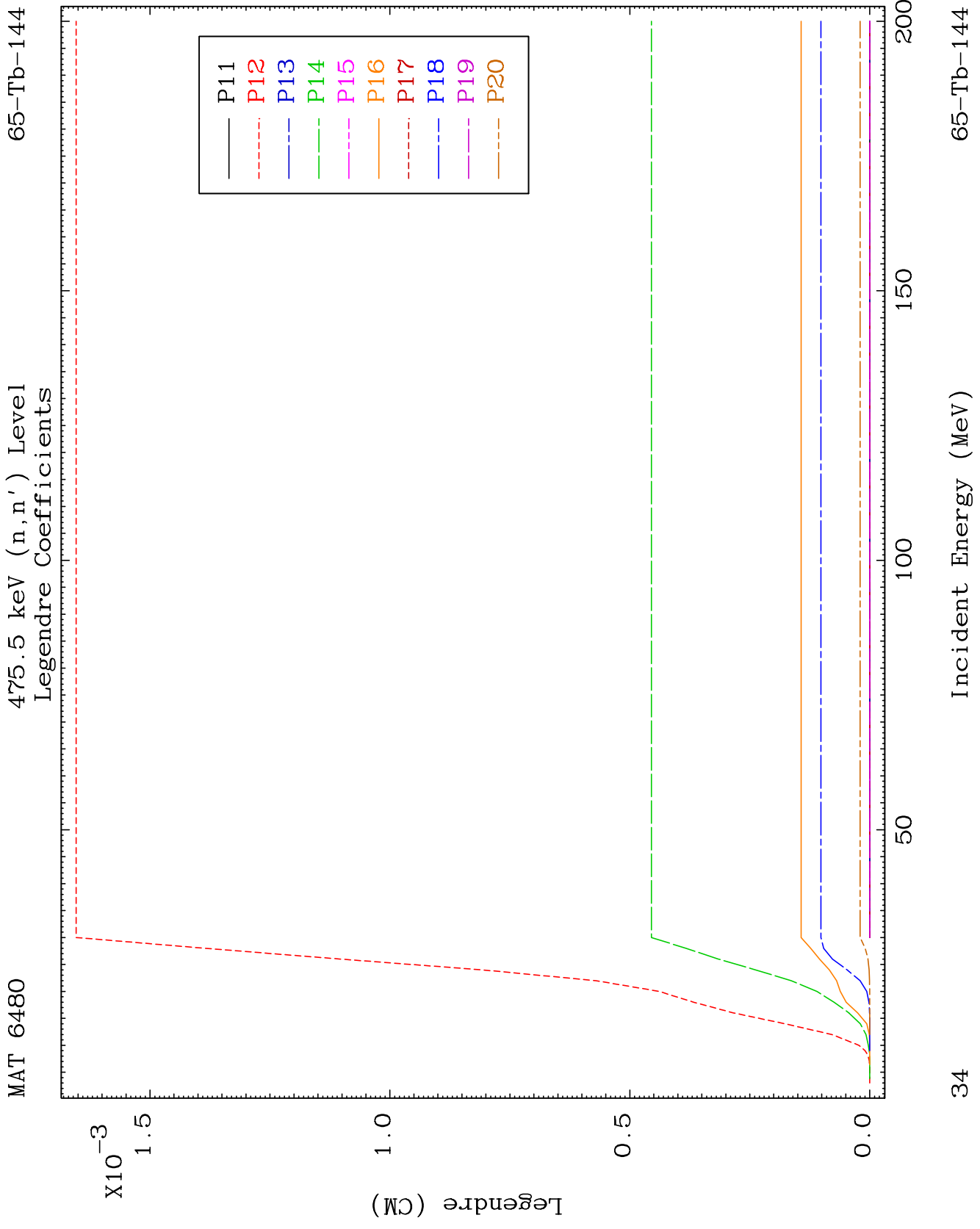


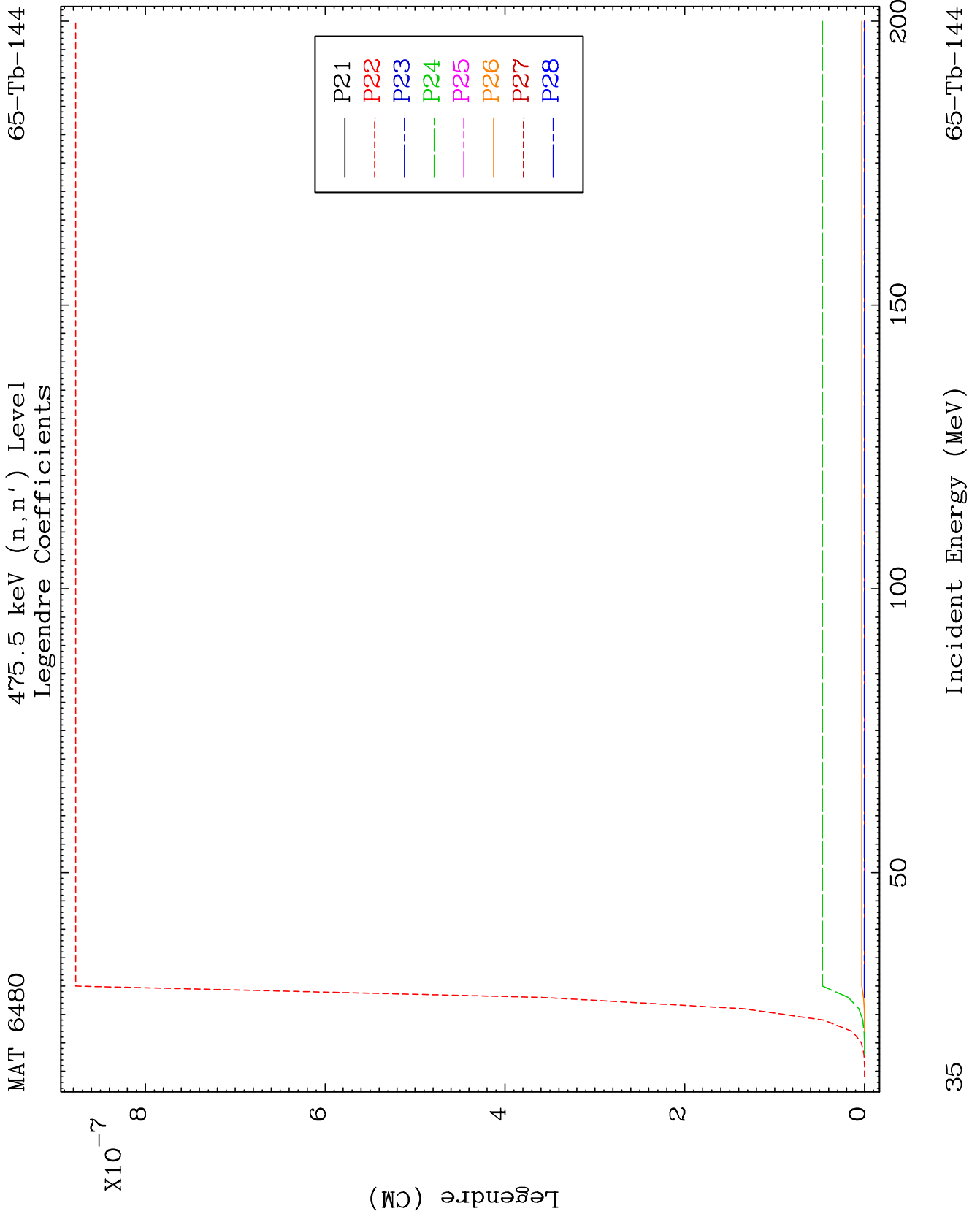
31

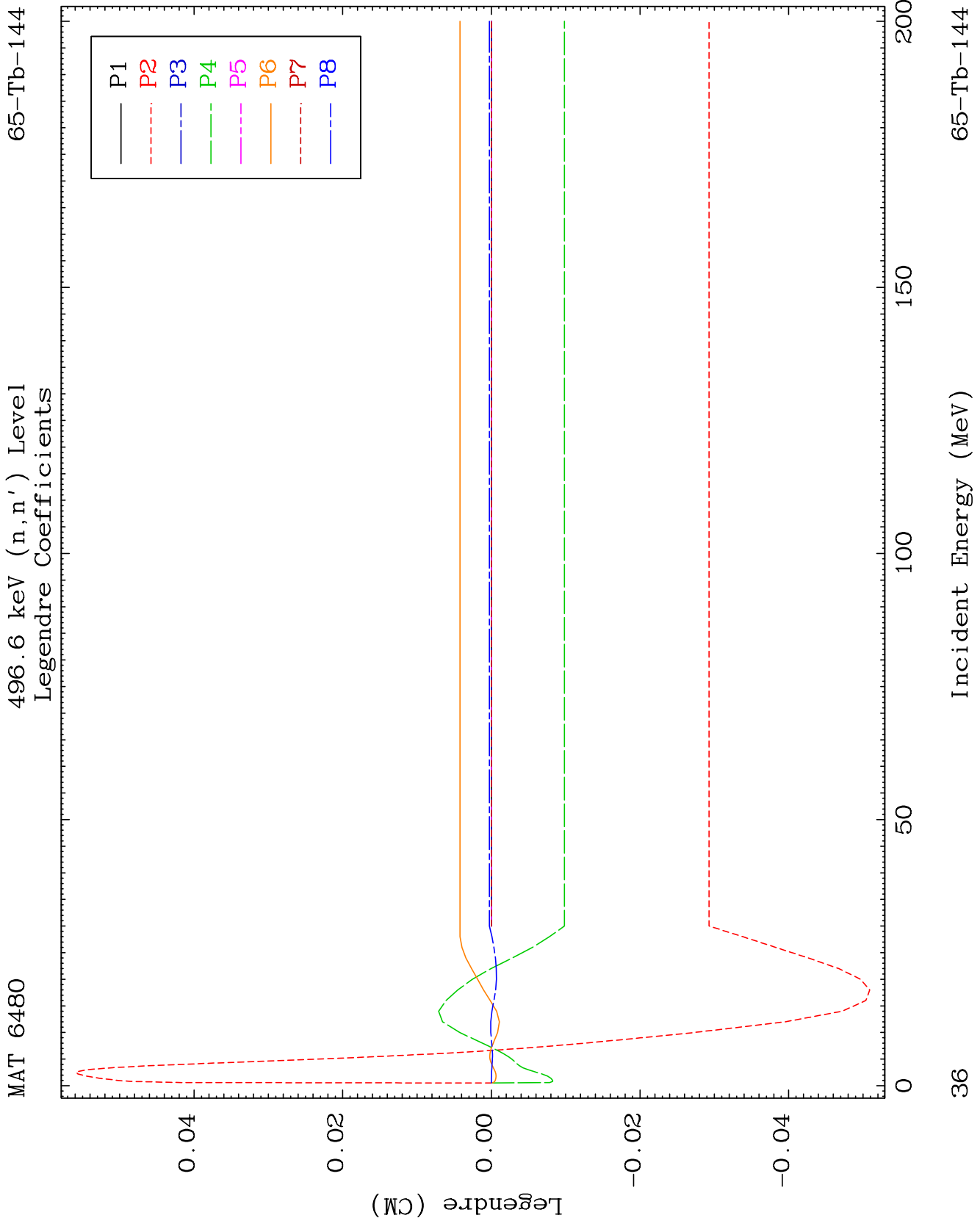
Incident Energy (MeV)

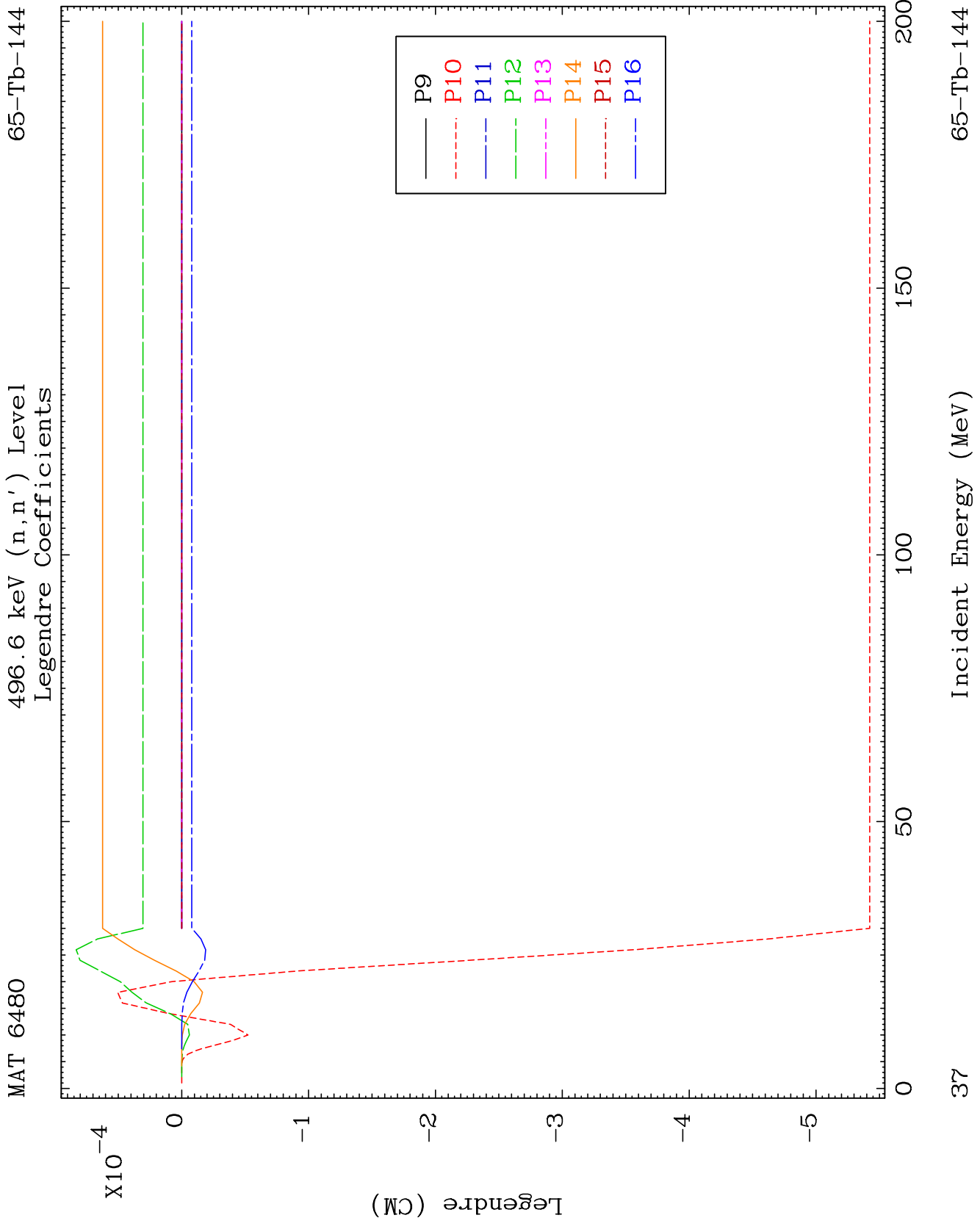
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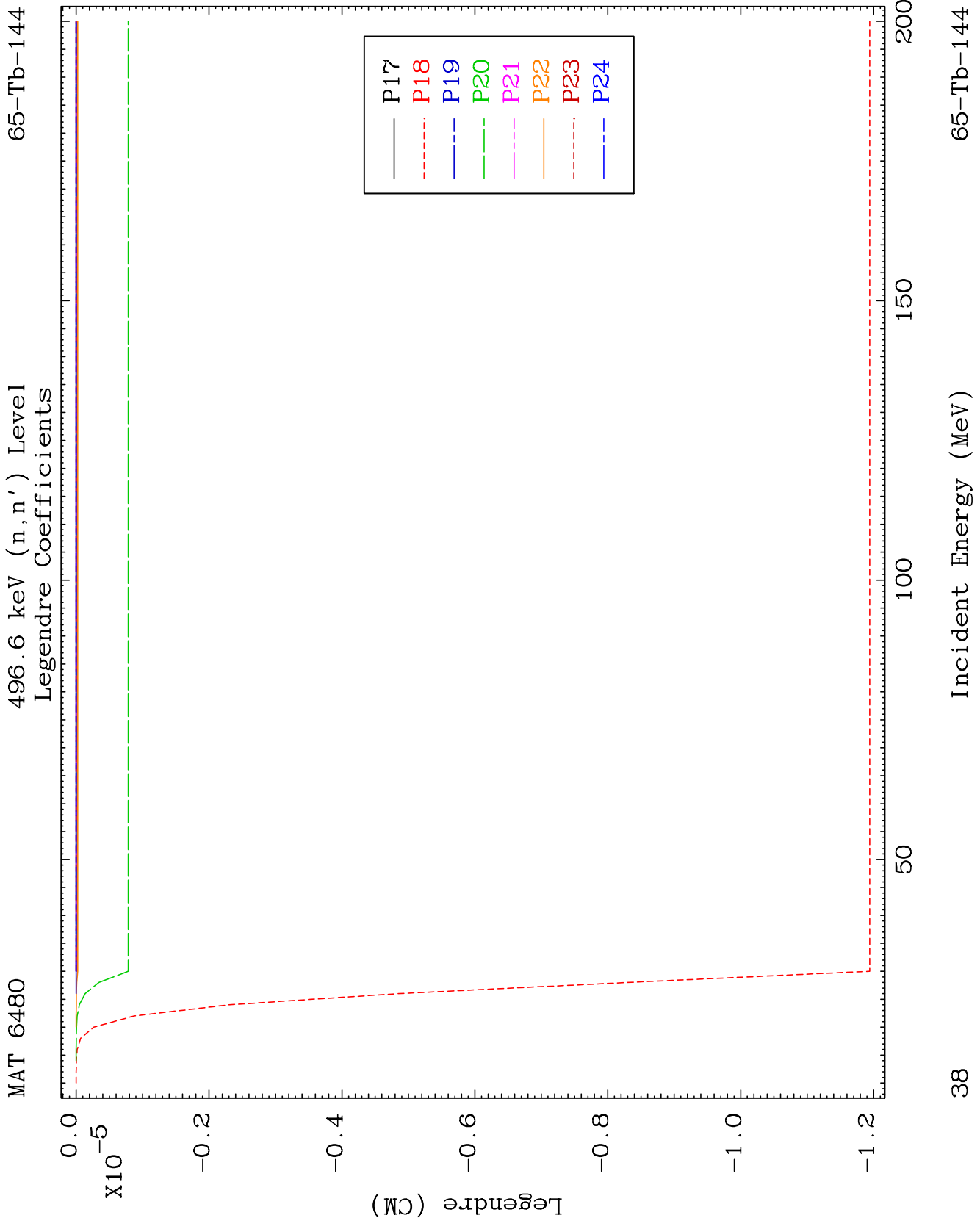








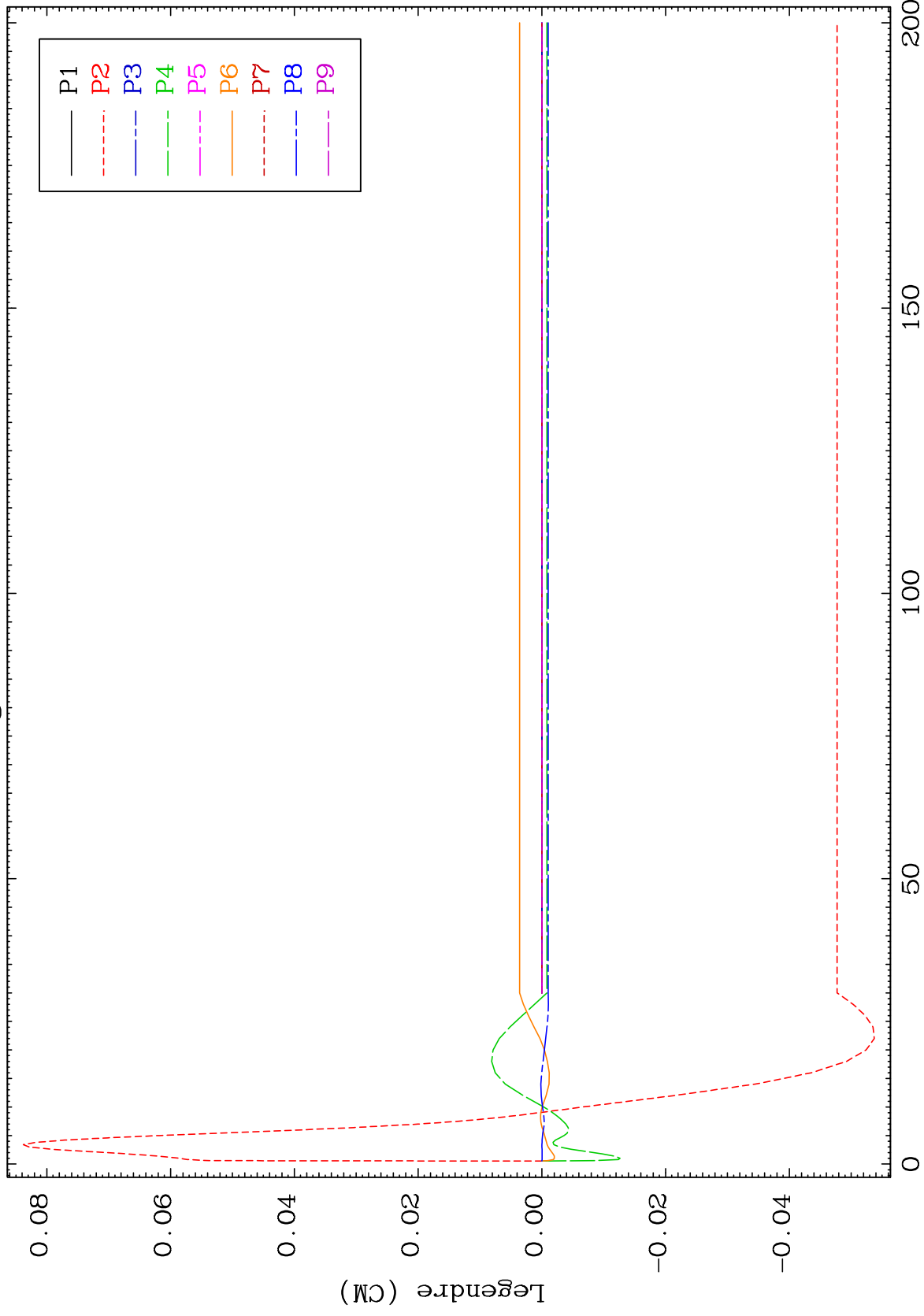




MAT 6480

517.1 keV (n,n') Level
Legendre Coefficients

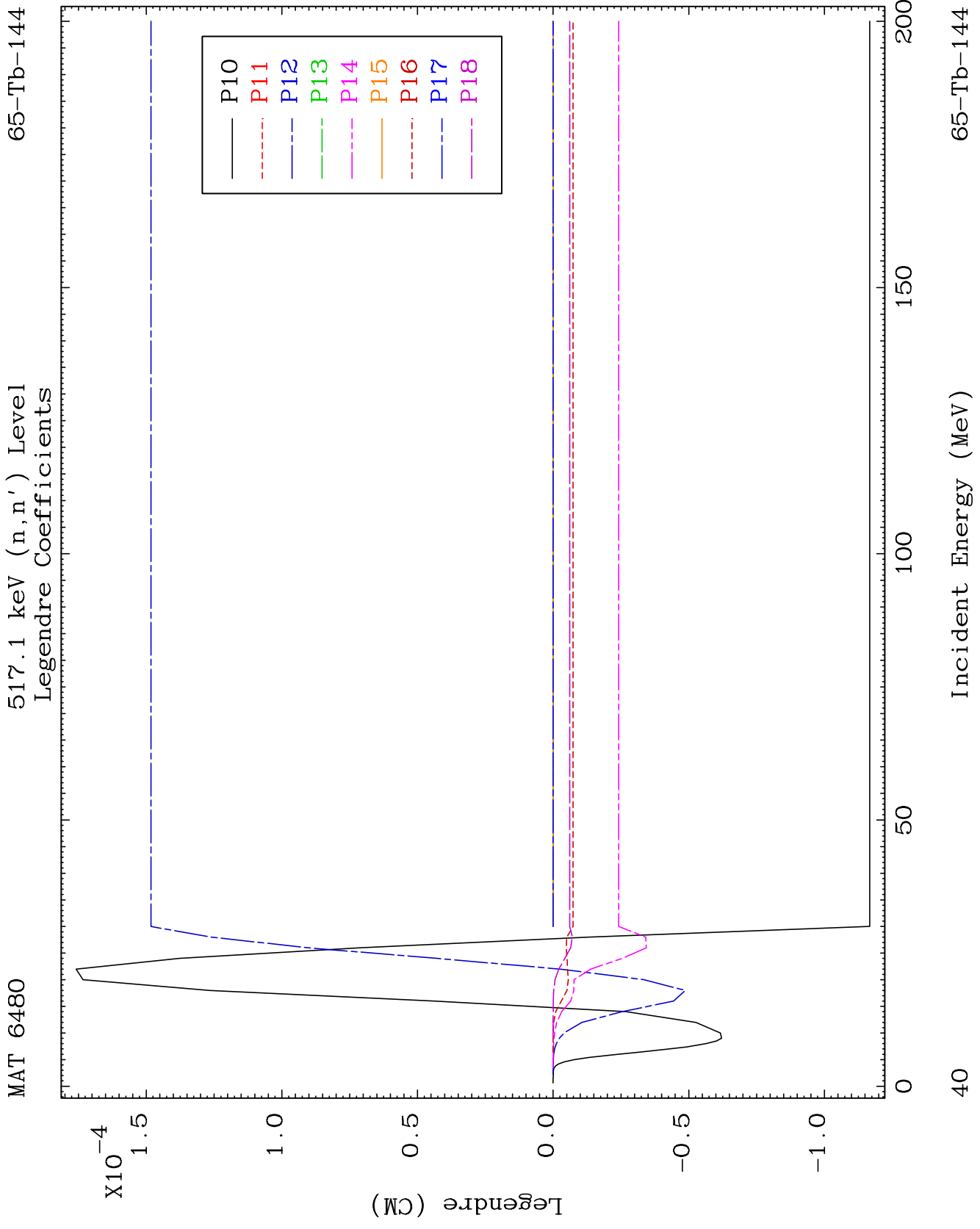
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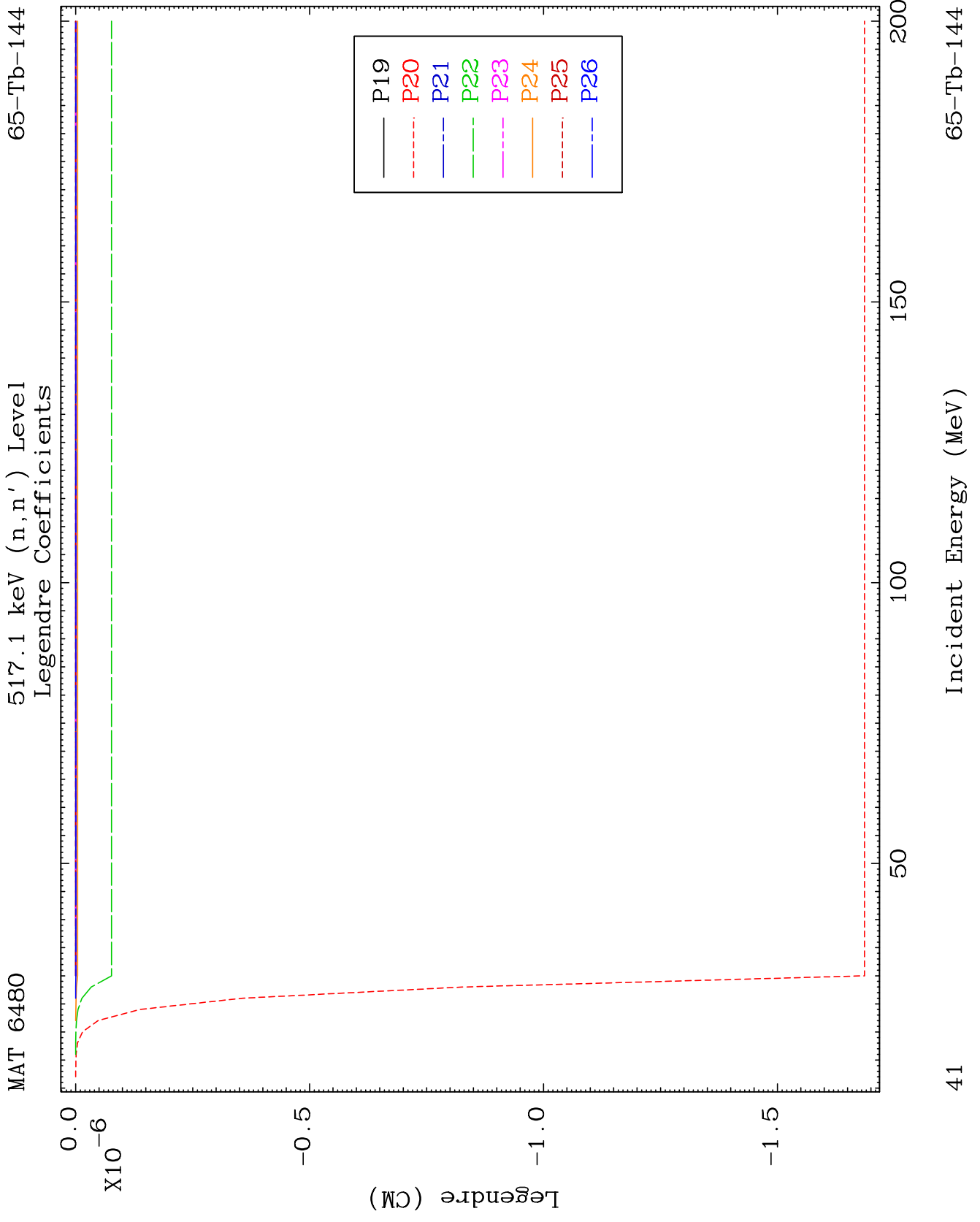


39

Incident Energy (MeV)

65-Tb-144

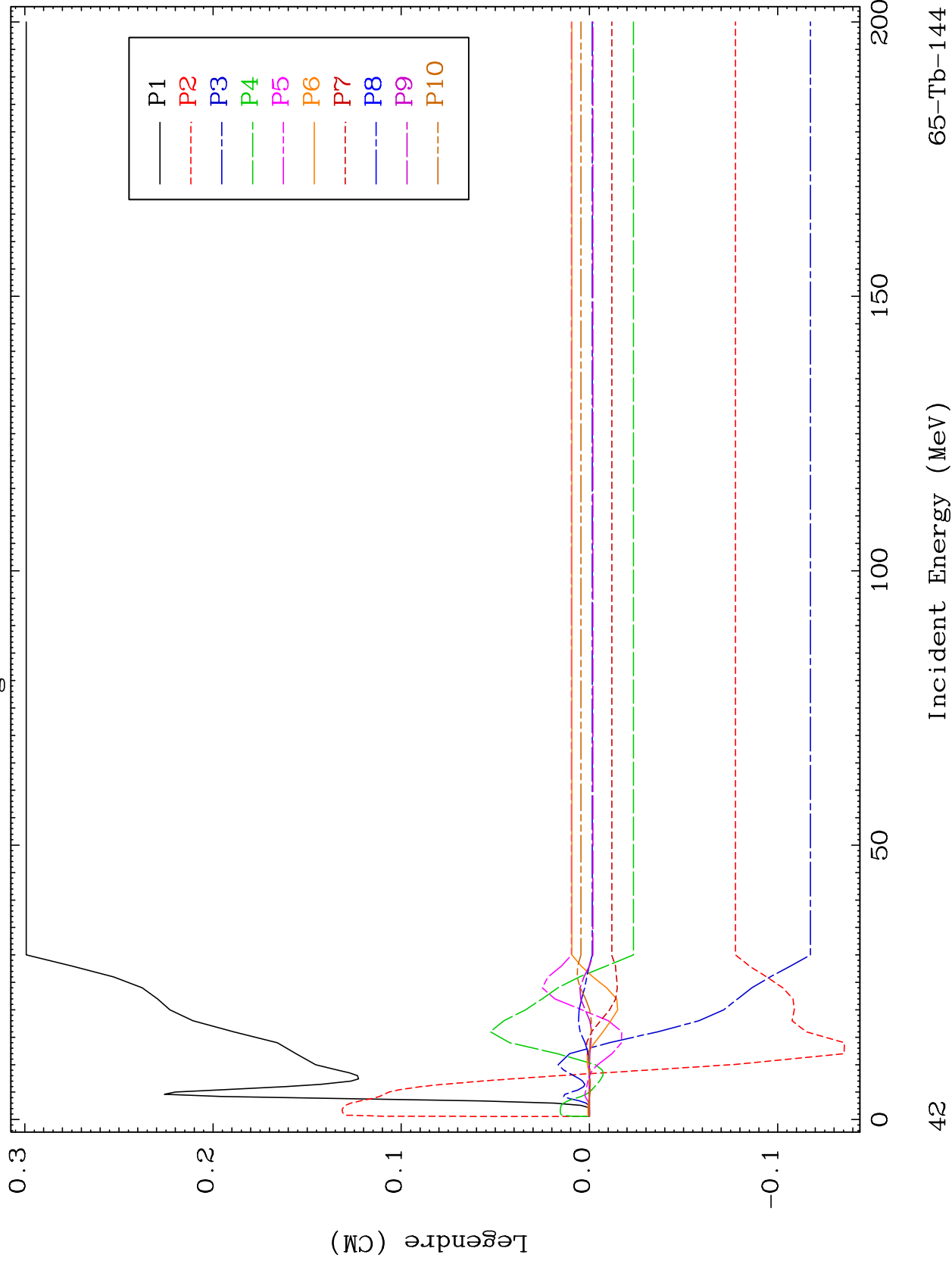




MAT 6480

544.5 keV (n,n') Level
Legendre Coefficients

65-Tb-144



65-Tb-144

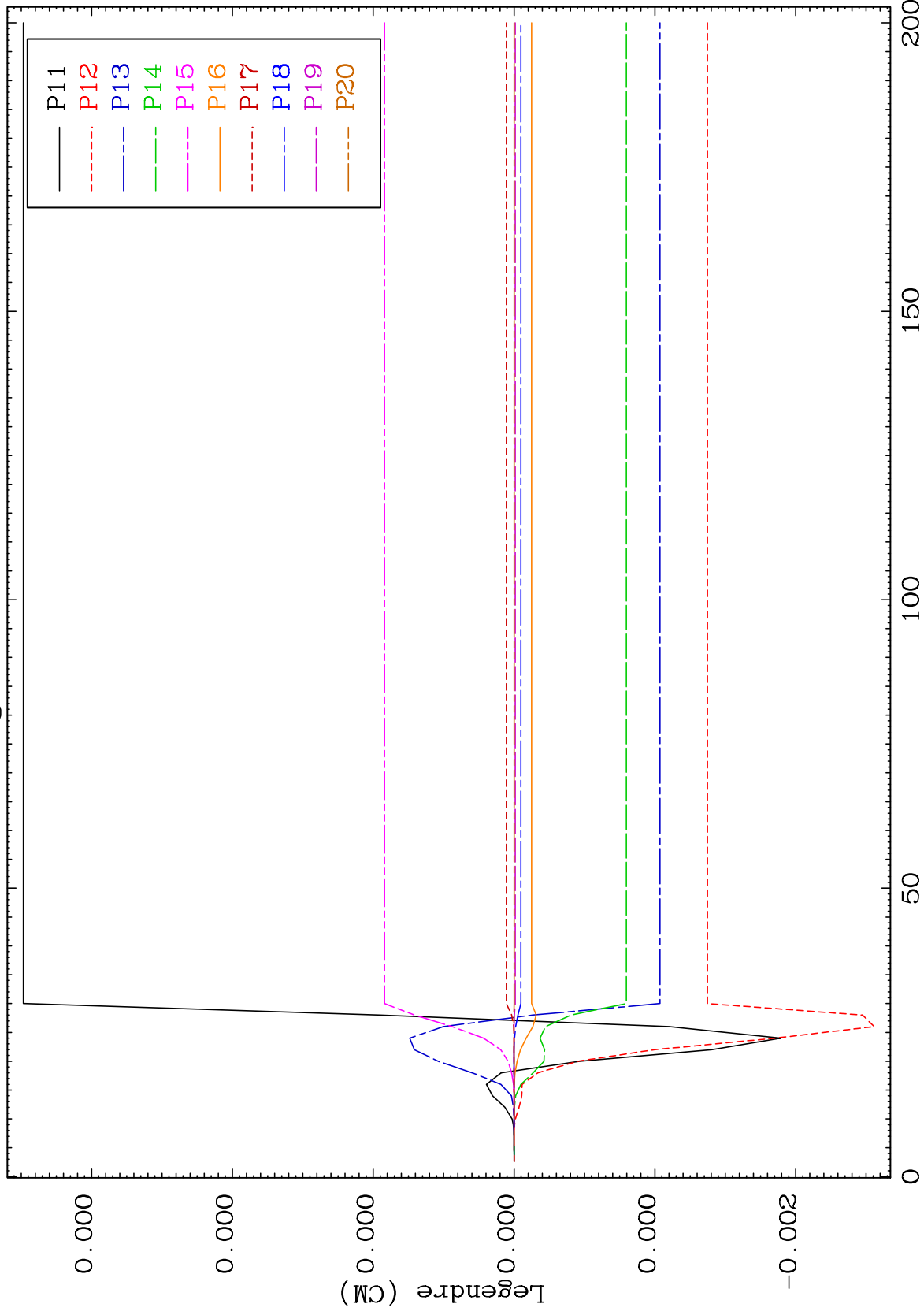
Incident Energy (MeV)

42

MAT 6480

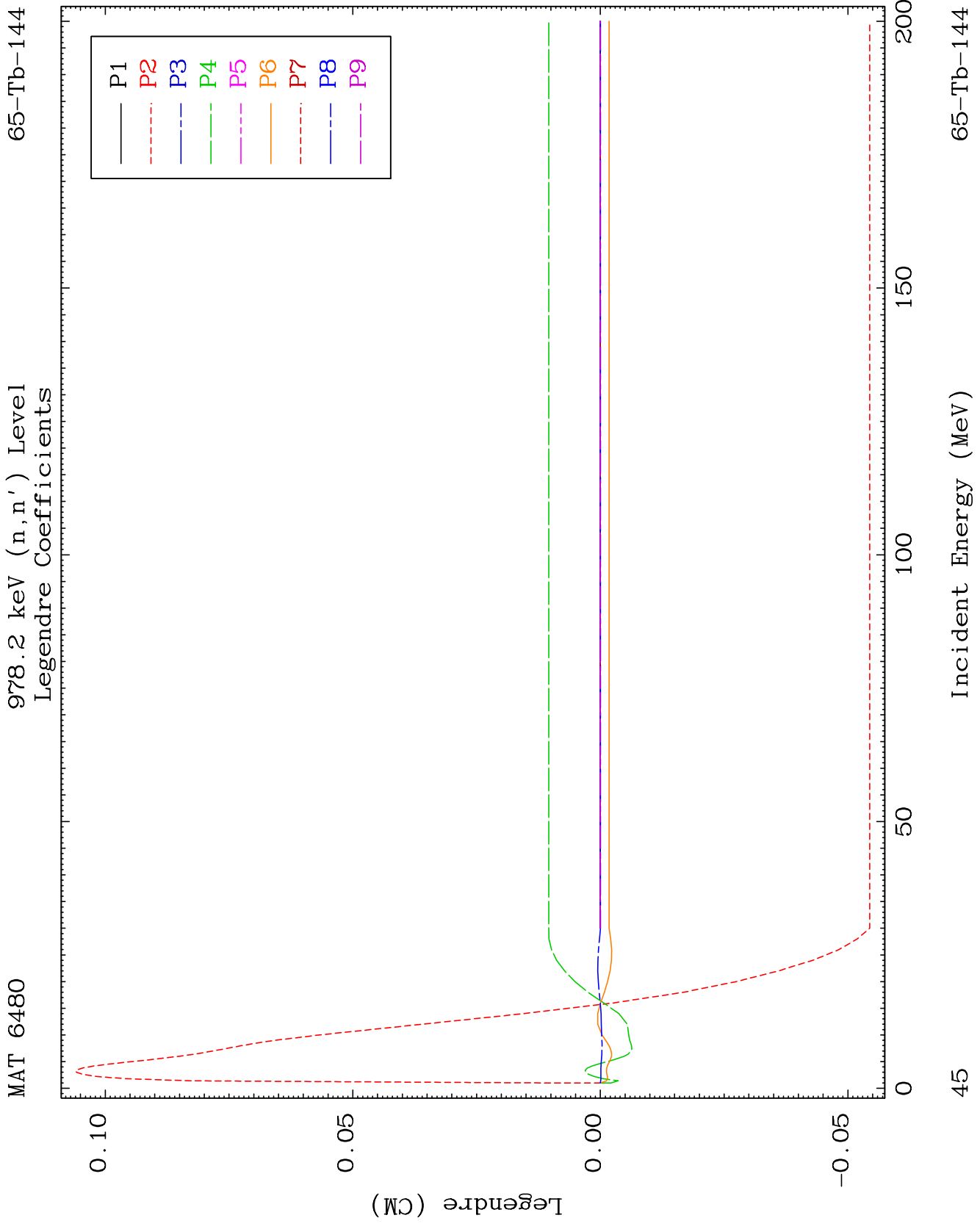
544.5 keV (n,n') Level
Legendre Coefficients

65-Tb-144



43

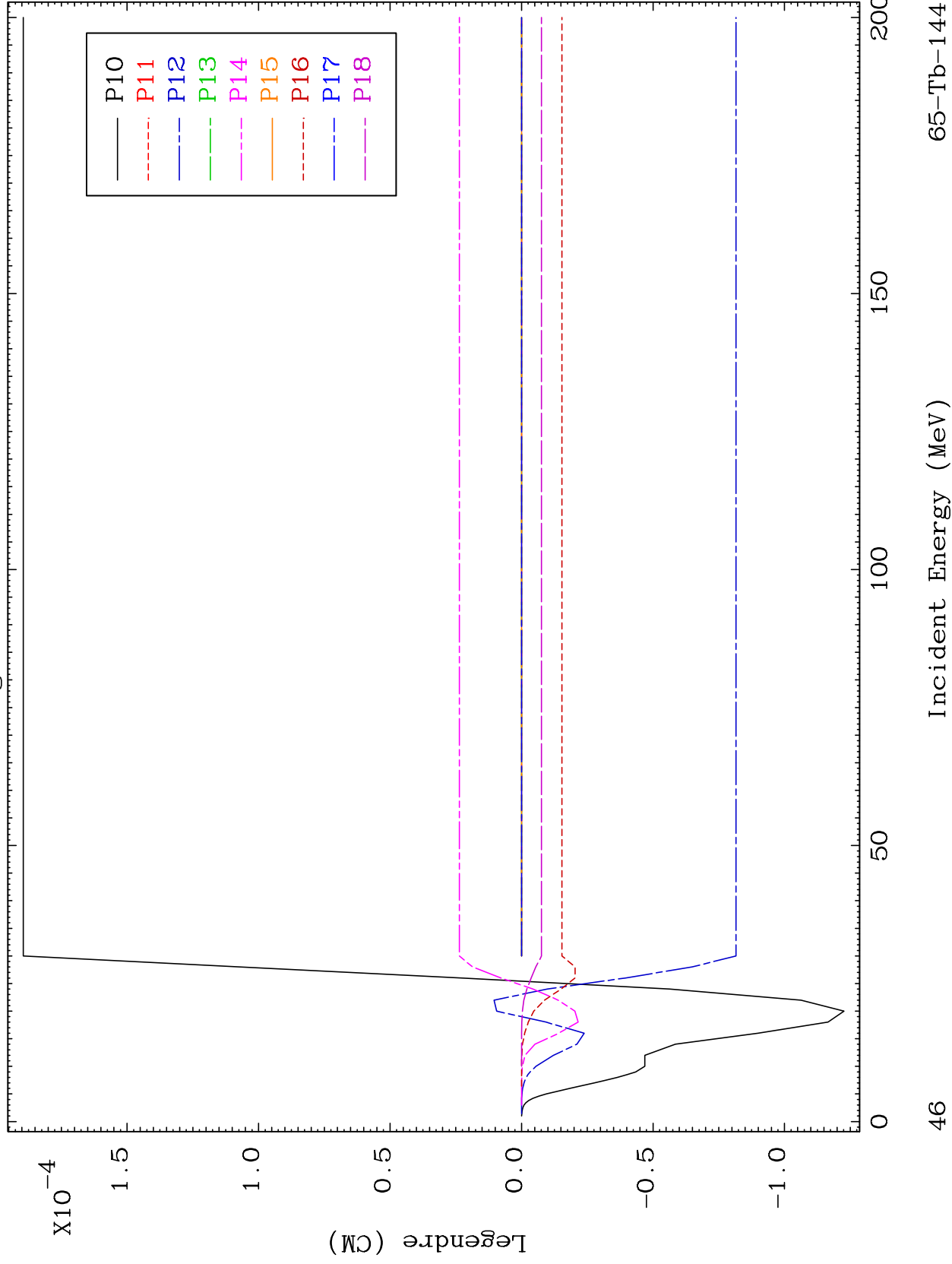
65-Tb-144



MAT 6480

978.2 keV (n,n') Level
Legendre Coefficients

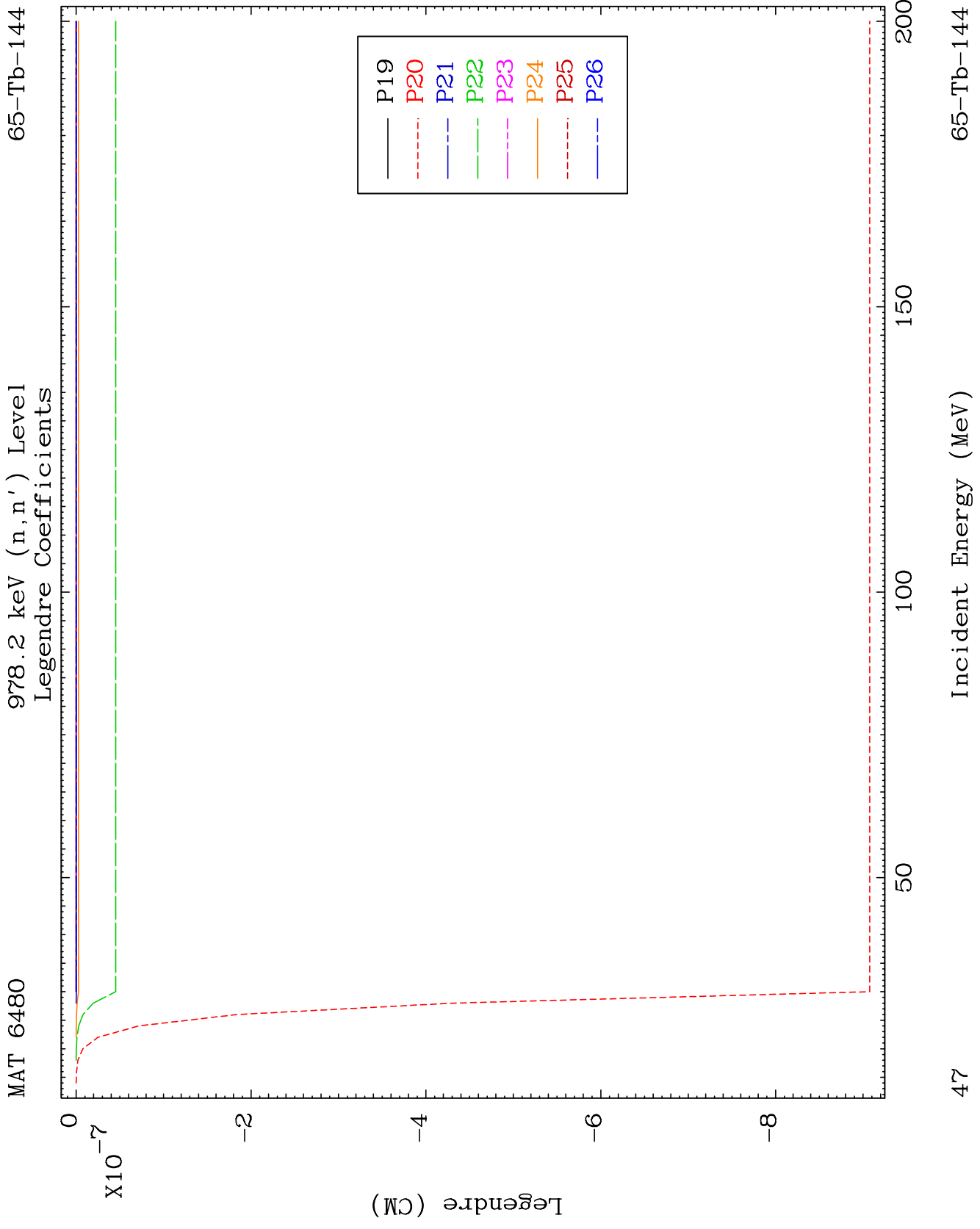
65-Tb-144



46

Incident Energy (MeV)

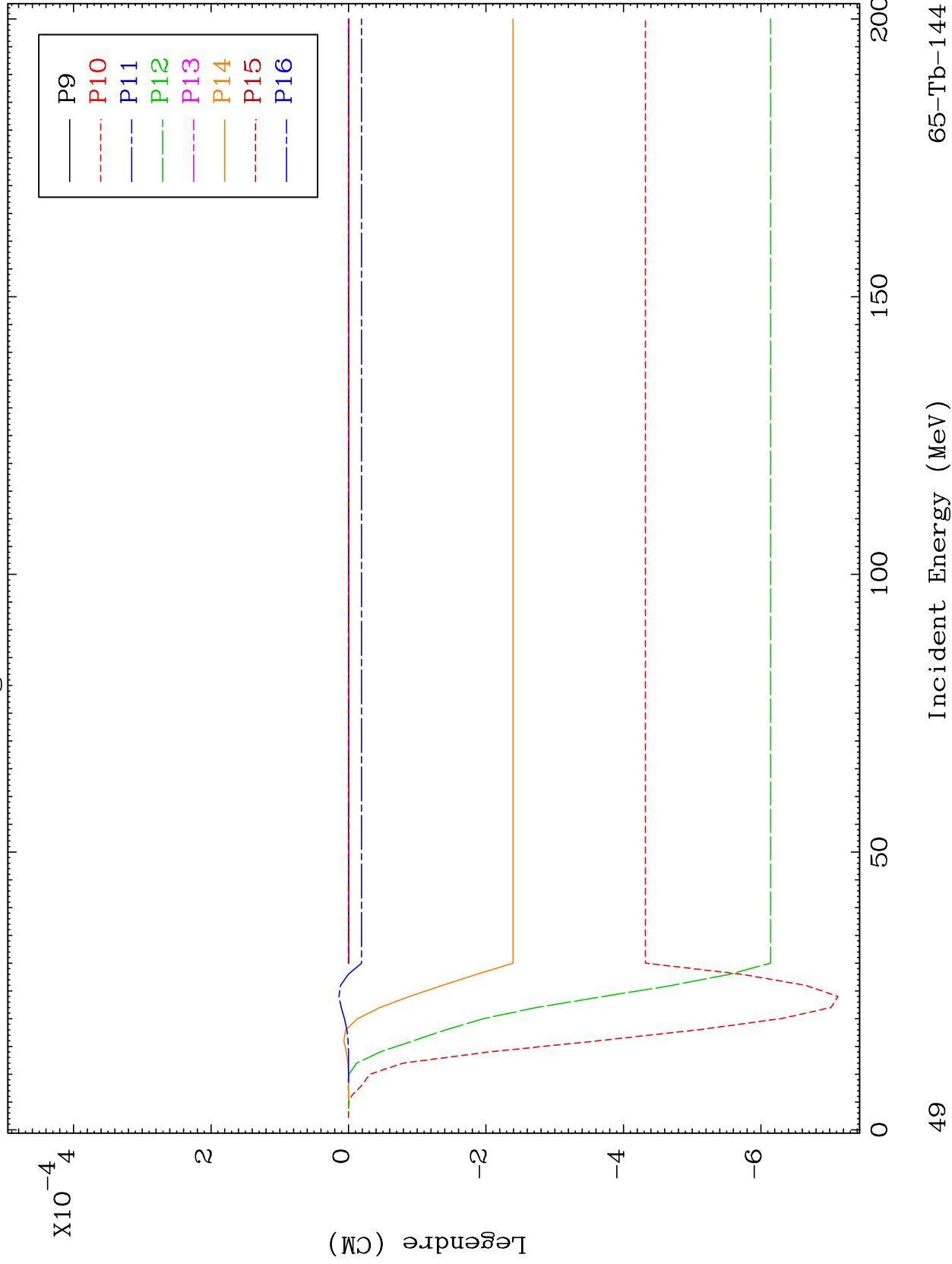
65-Tb-144



MAT 6480

1.127 MeV (n,n') Level
Legendre Coefficients

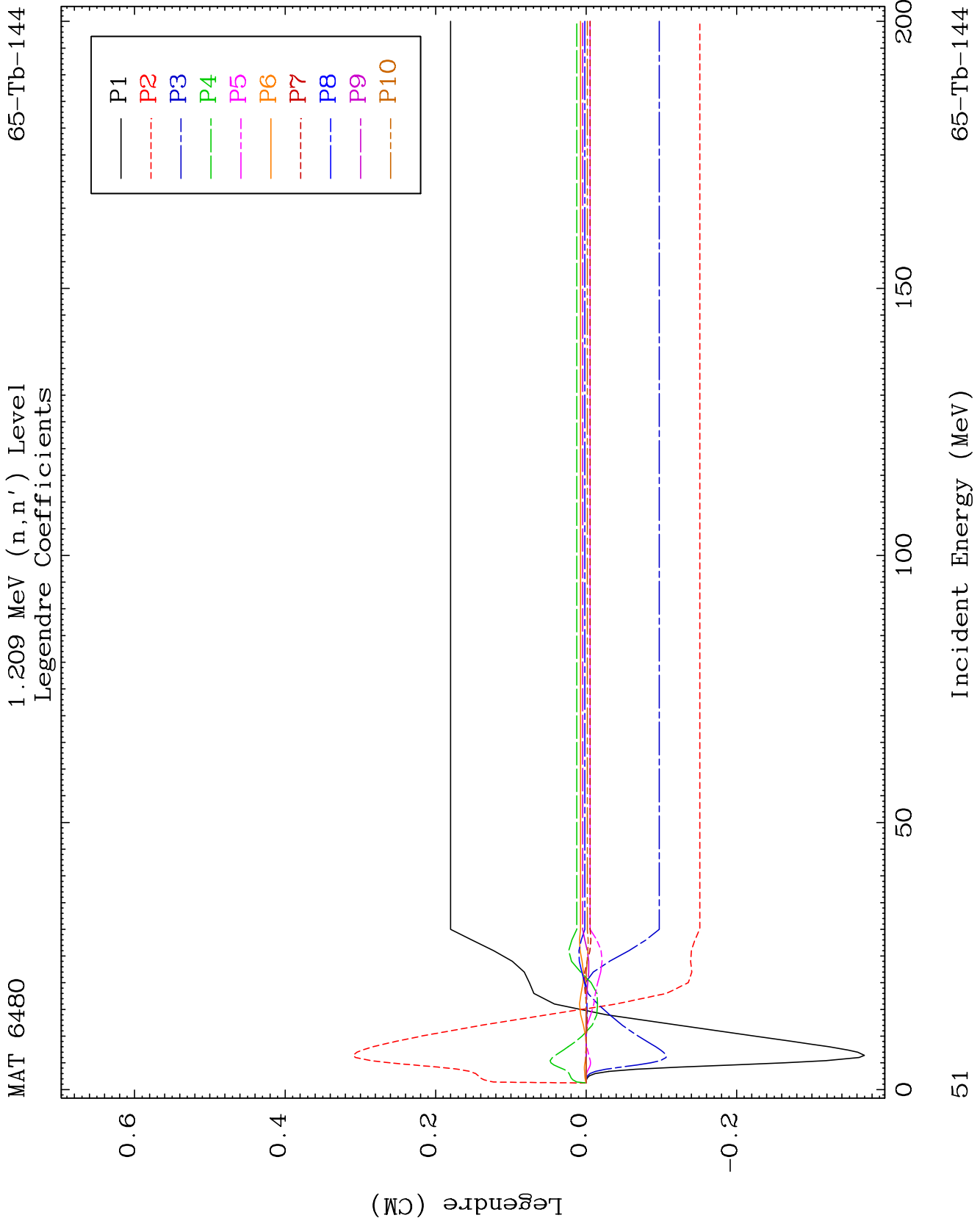
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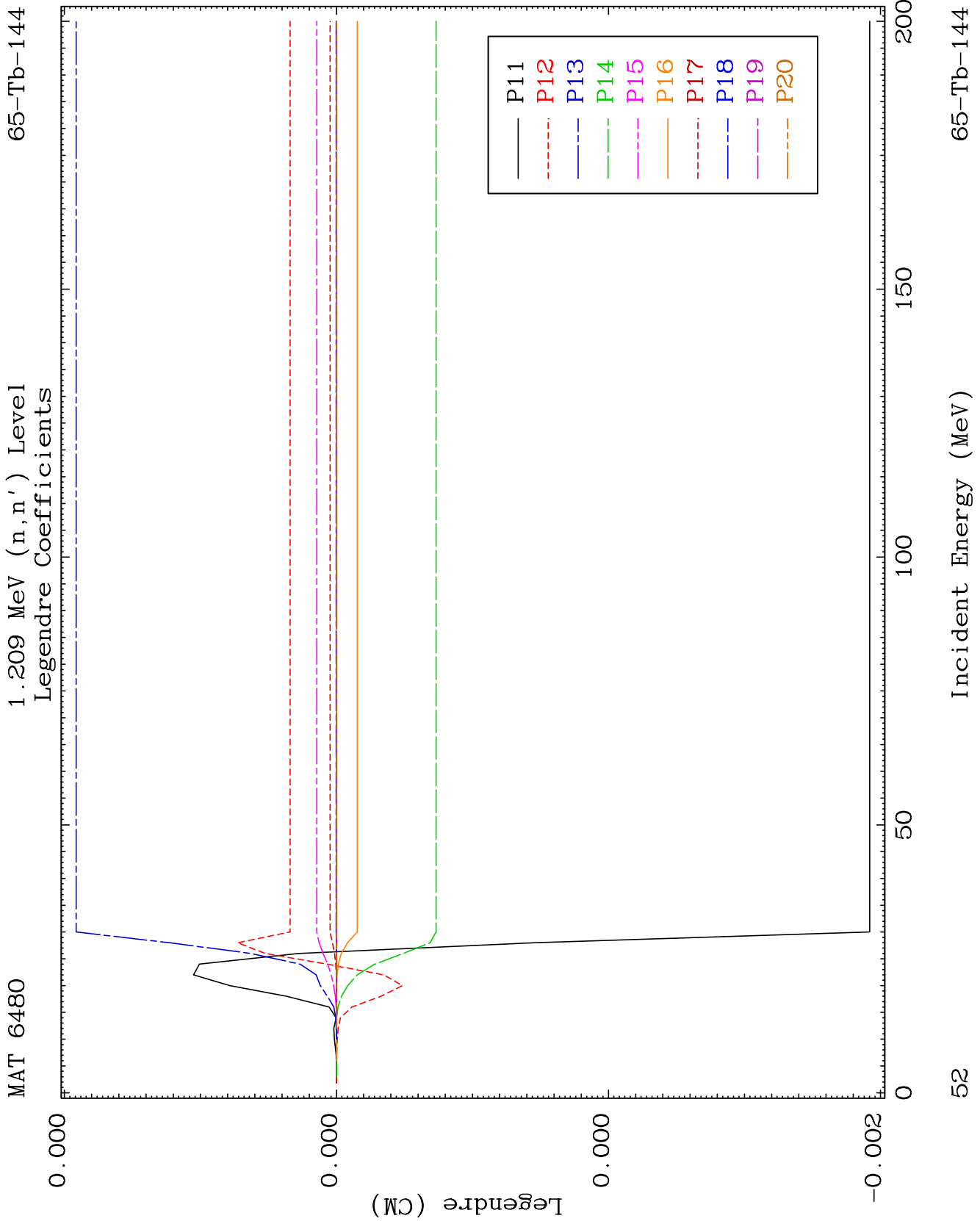


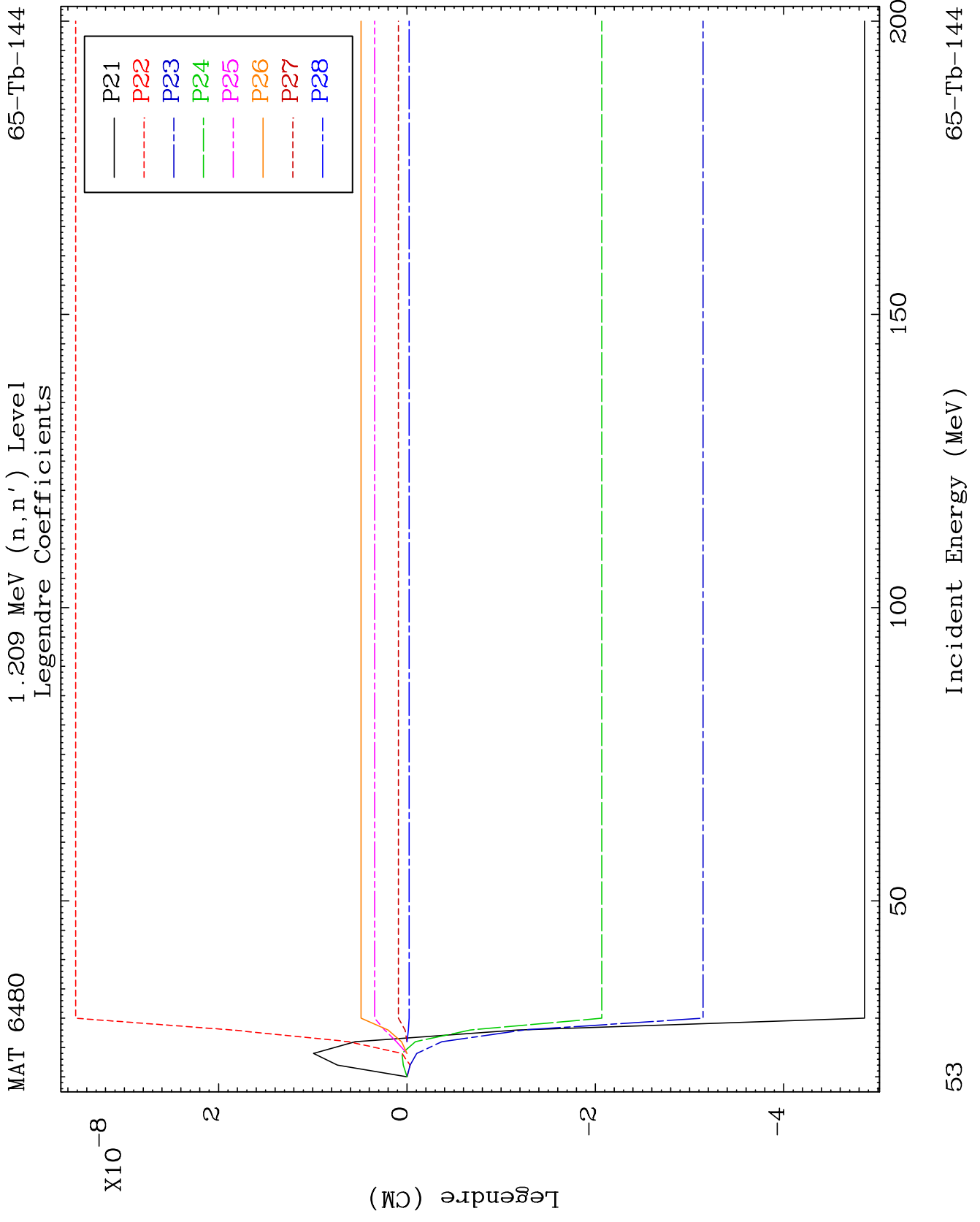
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Incident Energy (MeV)

65-Tb-144



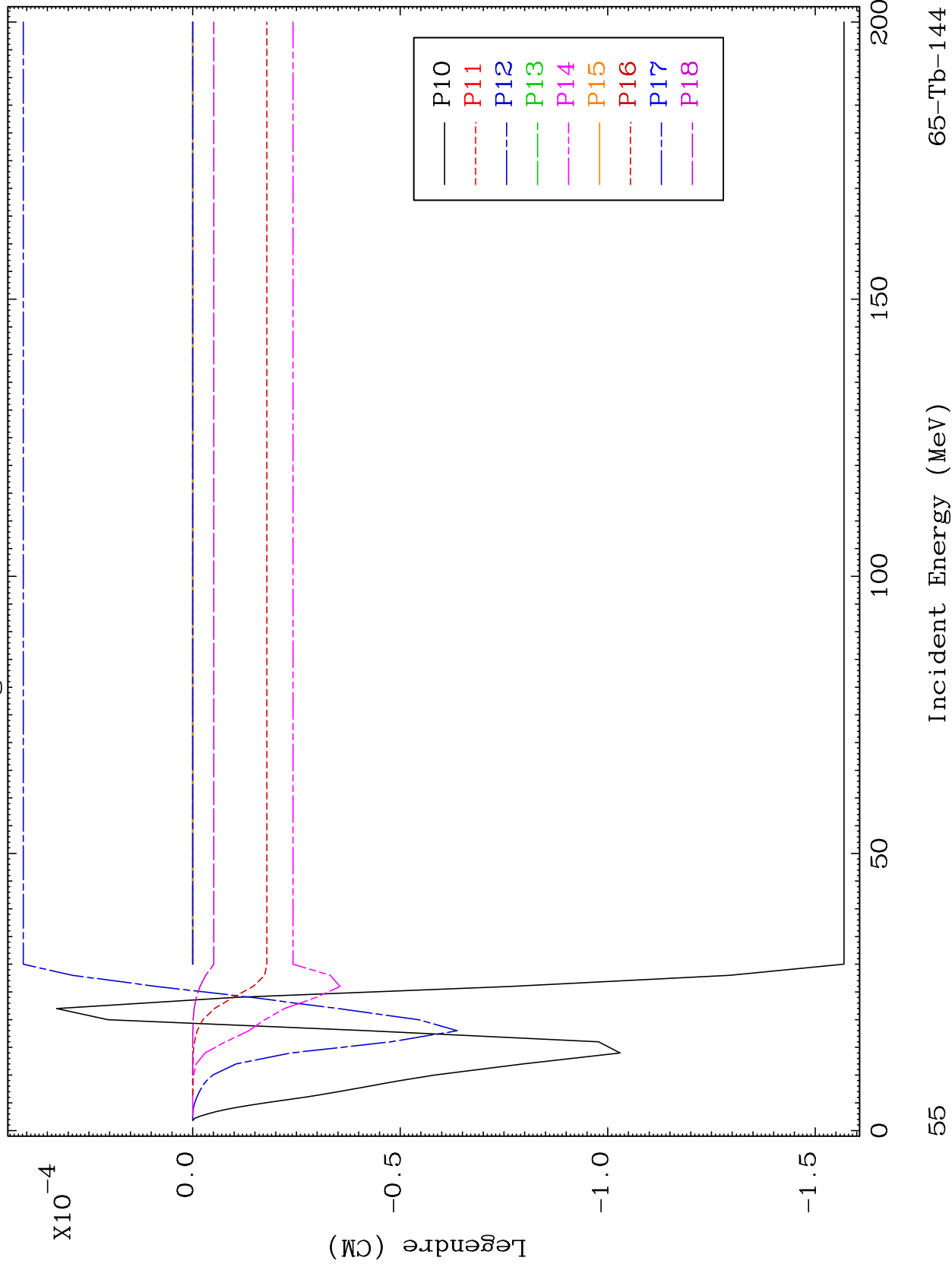




MAT 6480

1.787 MeV (n,n') Level
Legendre Coefficients

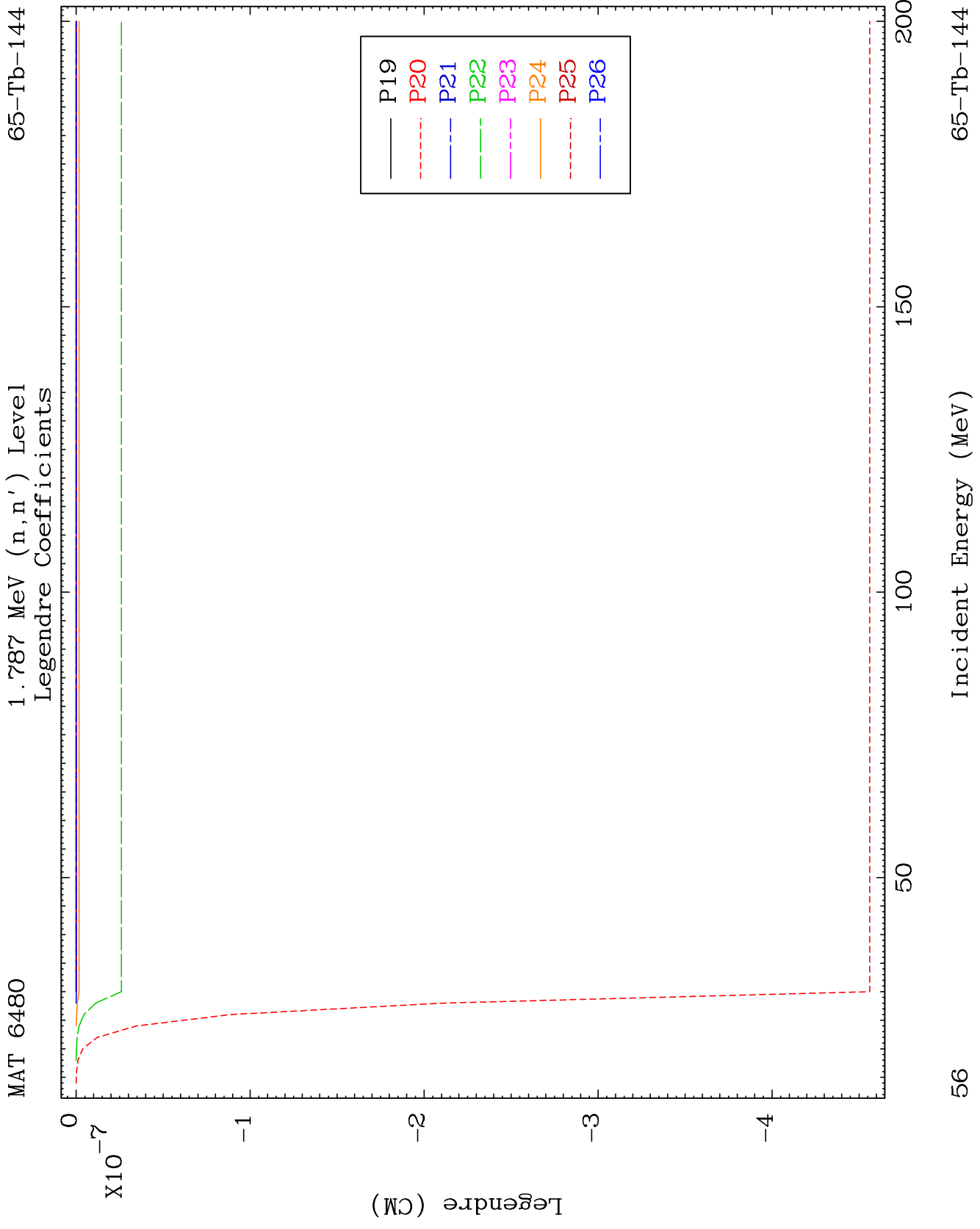
65-Tb-144



65-Tb-144

Incident Energy (MeV)

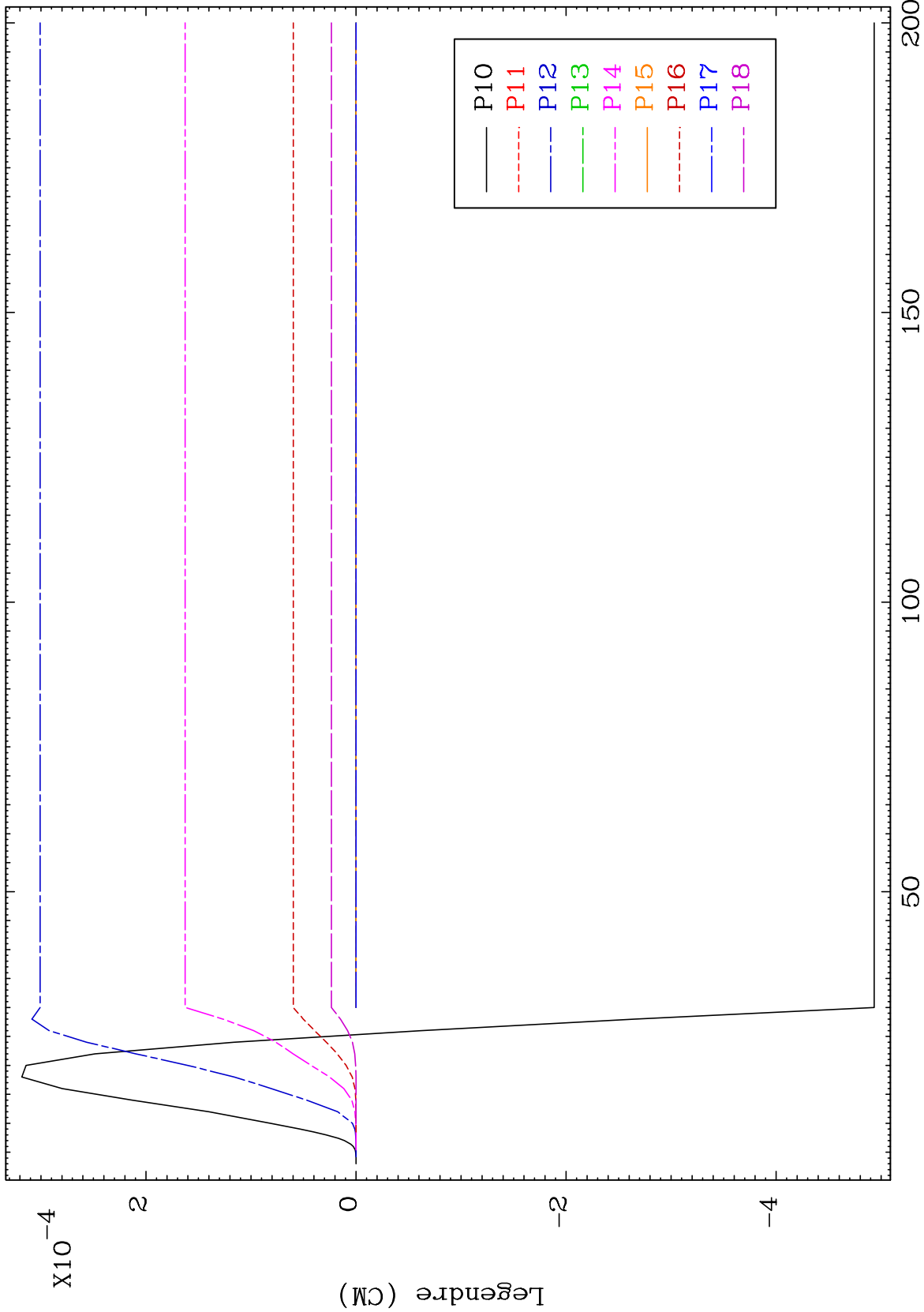
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MAT 6480

2.155 MeV (n, n') Level
Legendre Coefficients

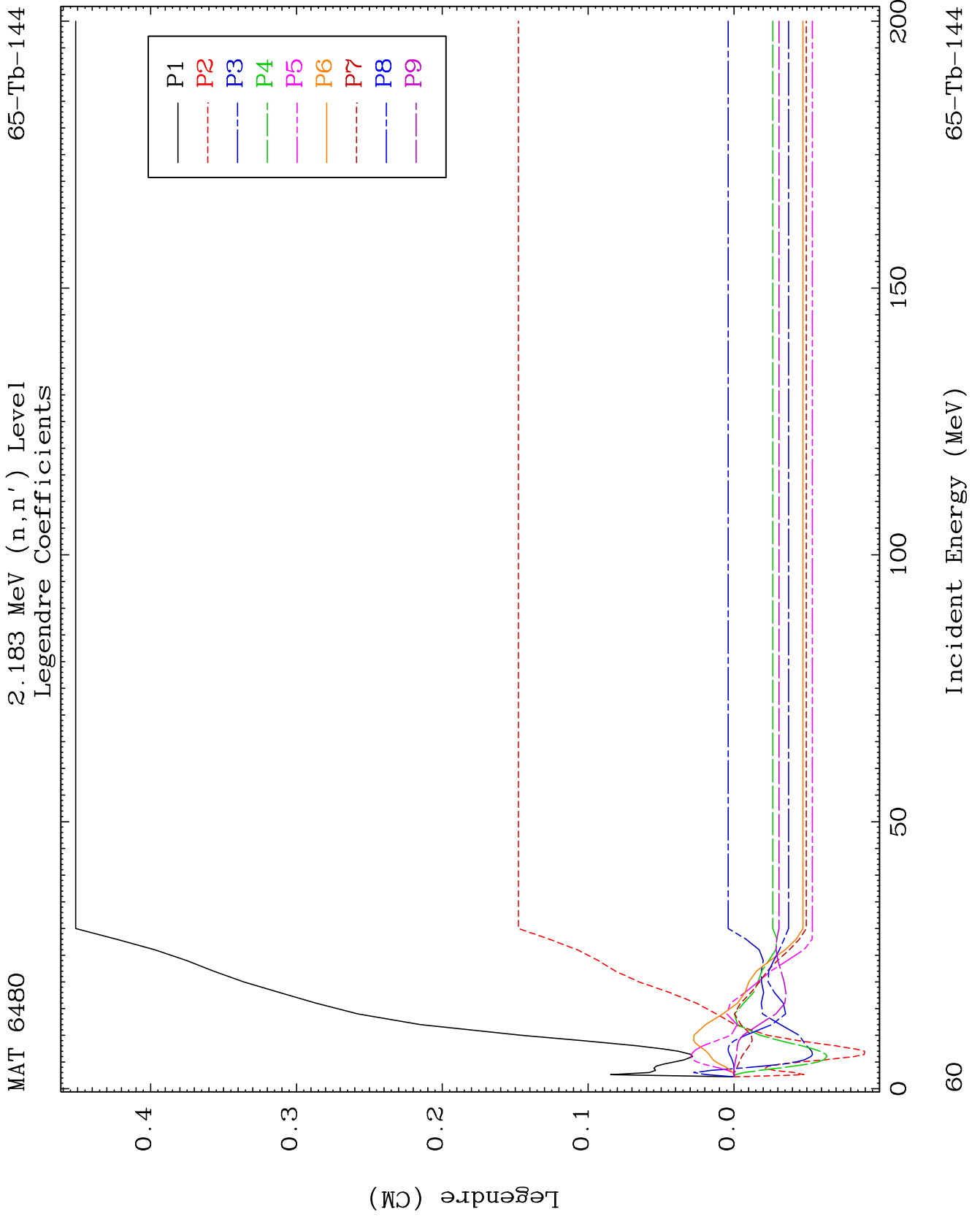
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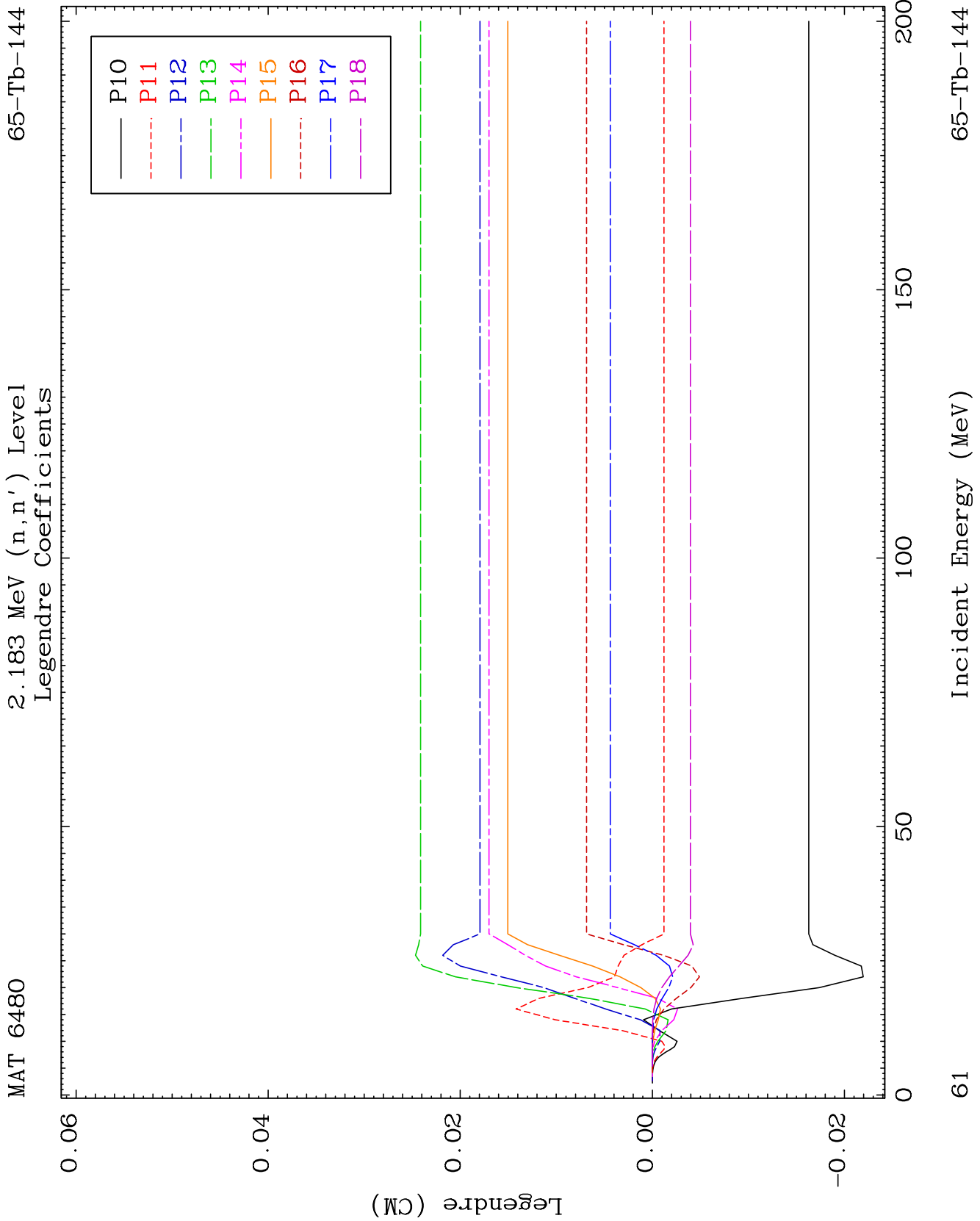


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Incident Energy (MeV)

65-Tb-144

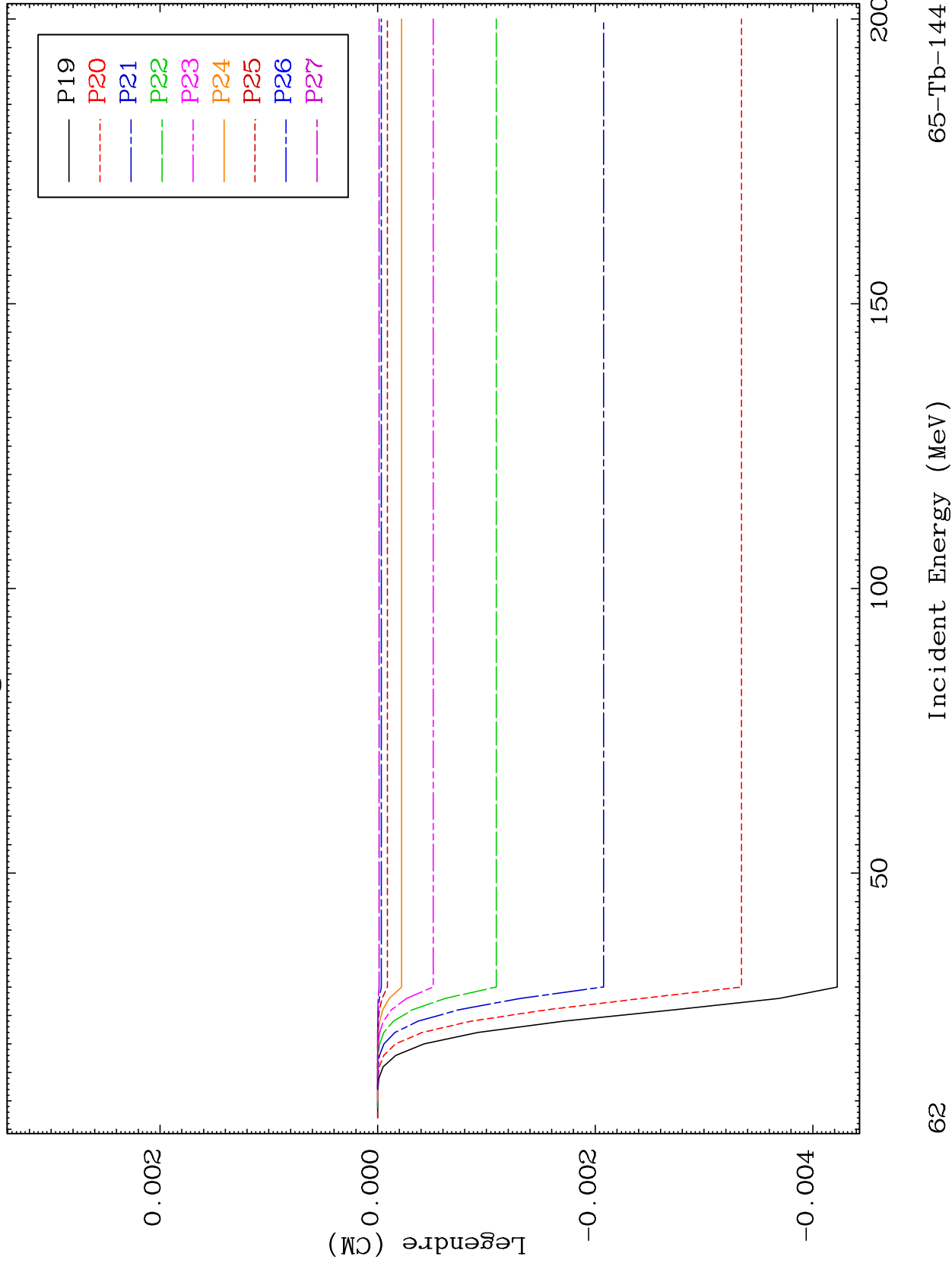




MAT 6480

2.183 MeV (n,n') Level
Legendre Coefficients

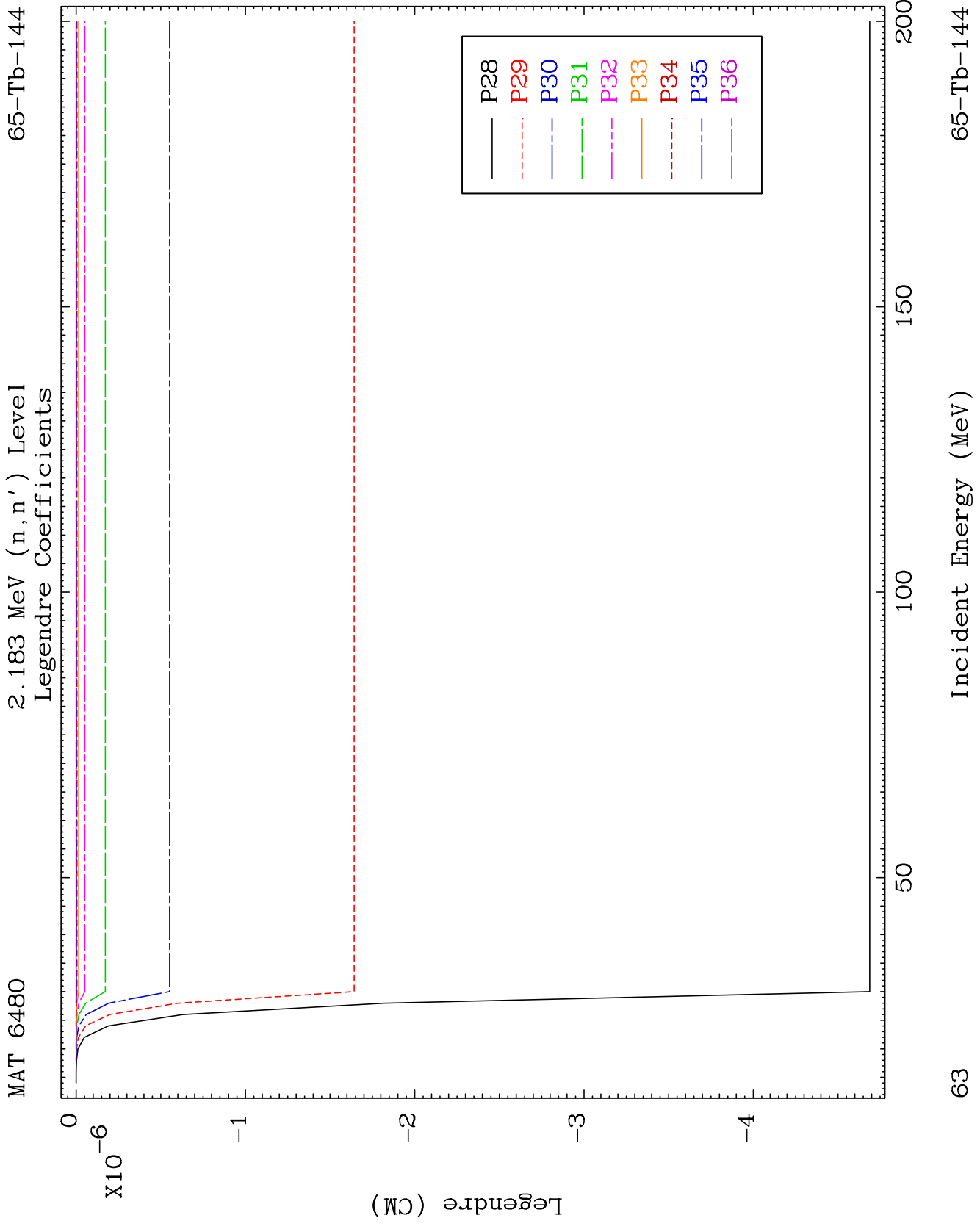
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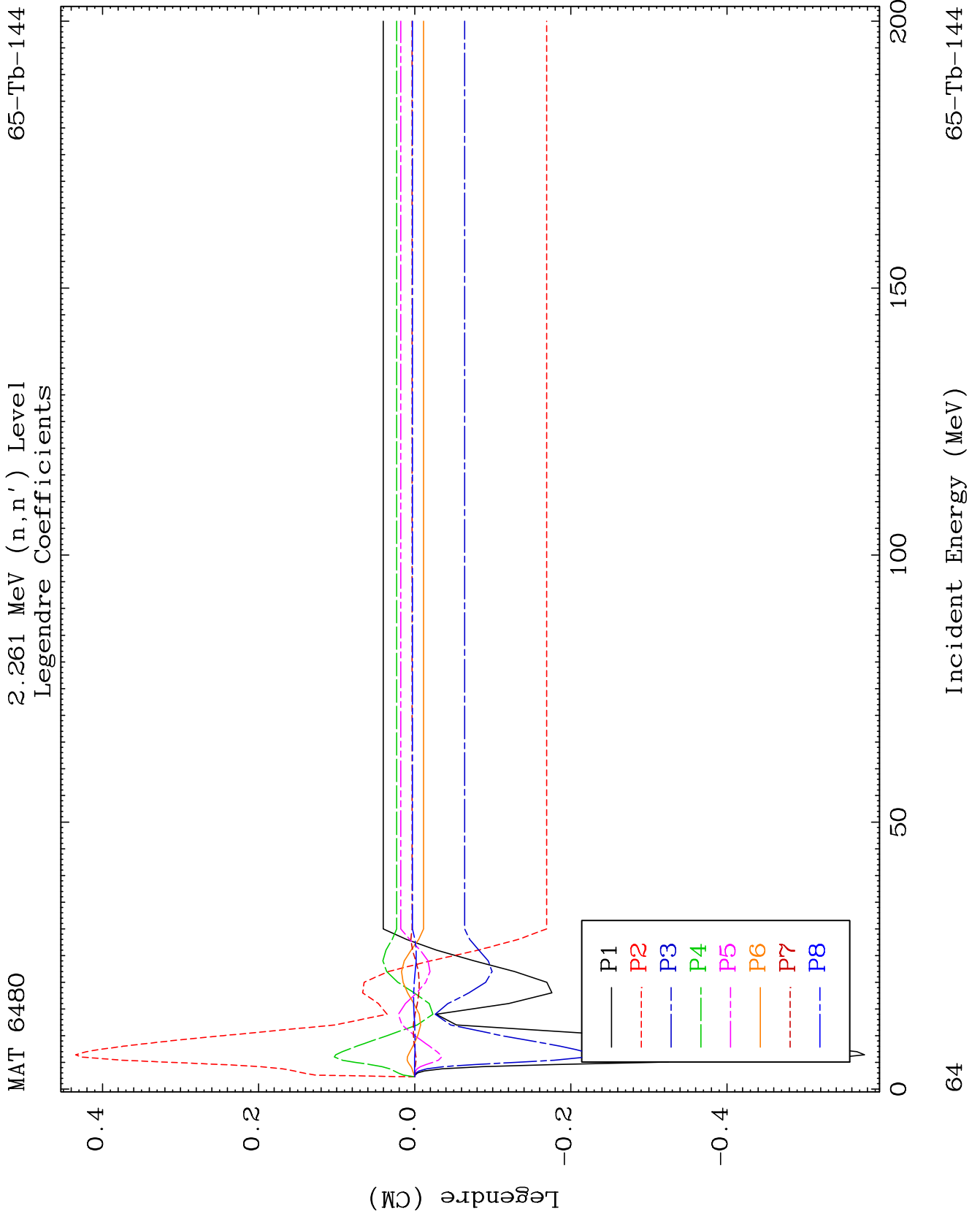


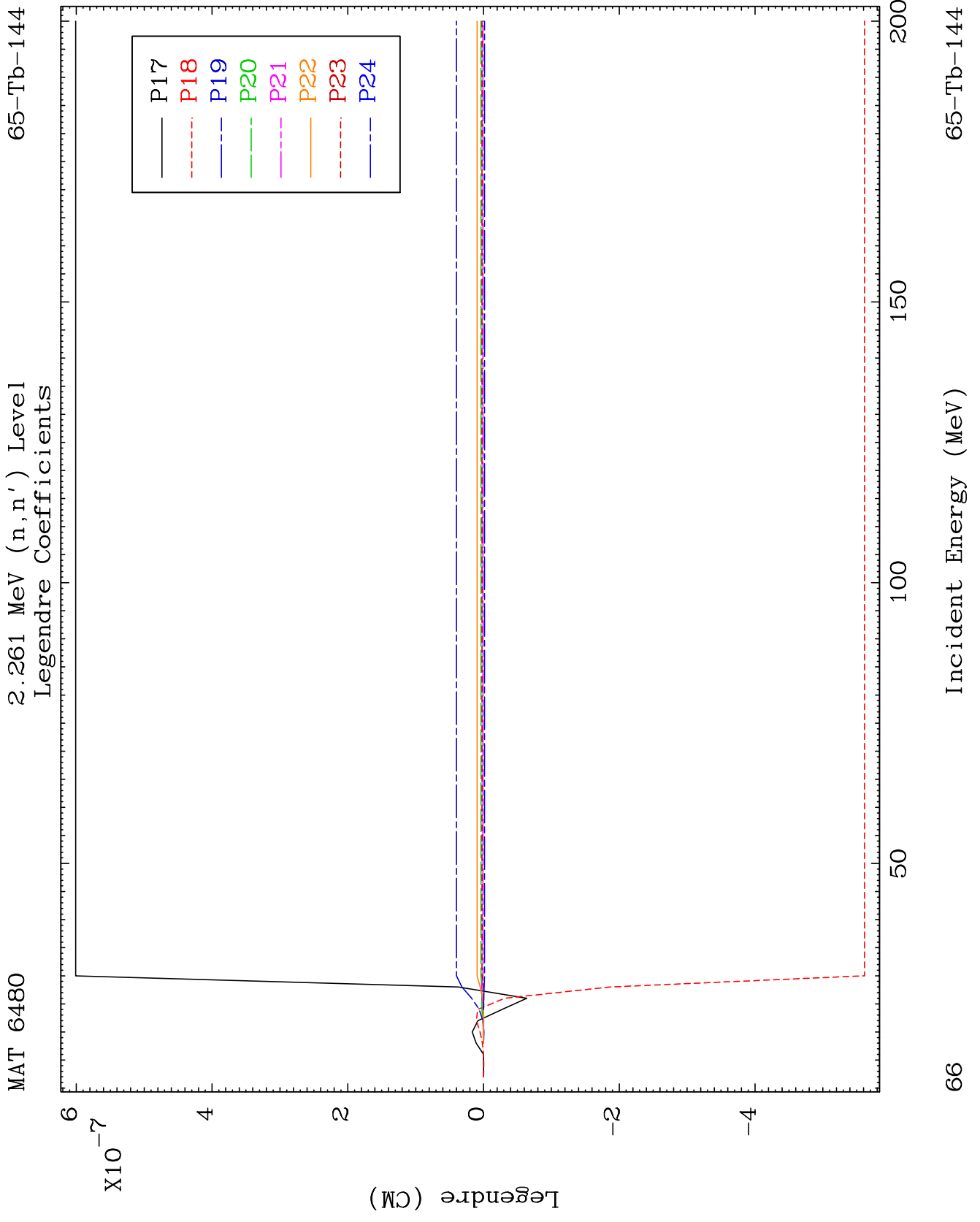
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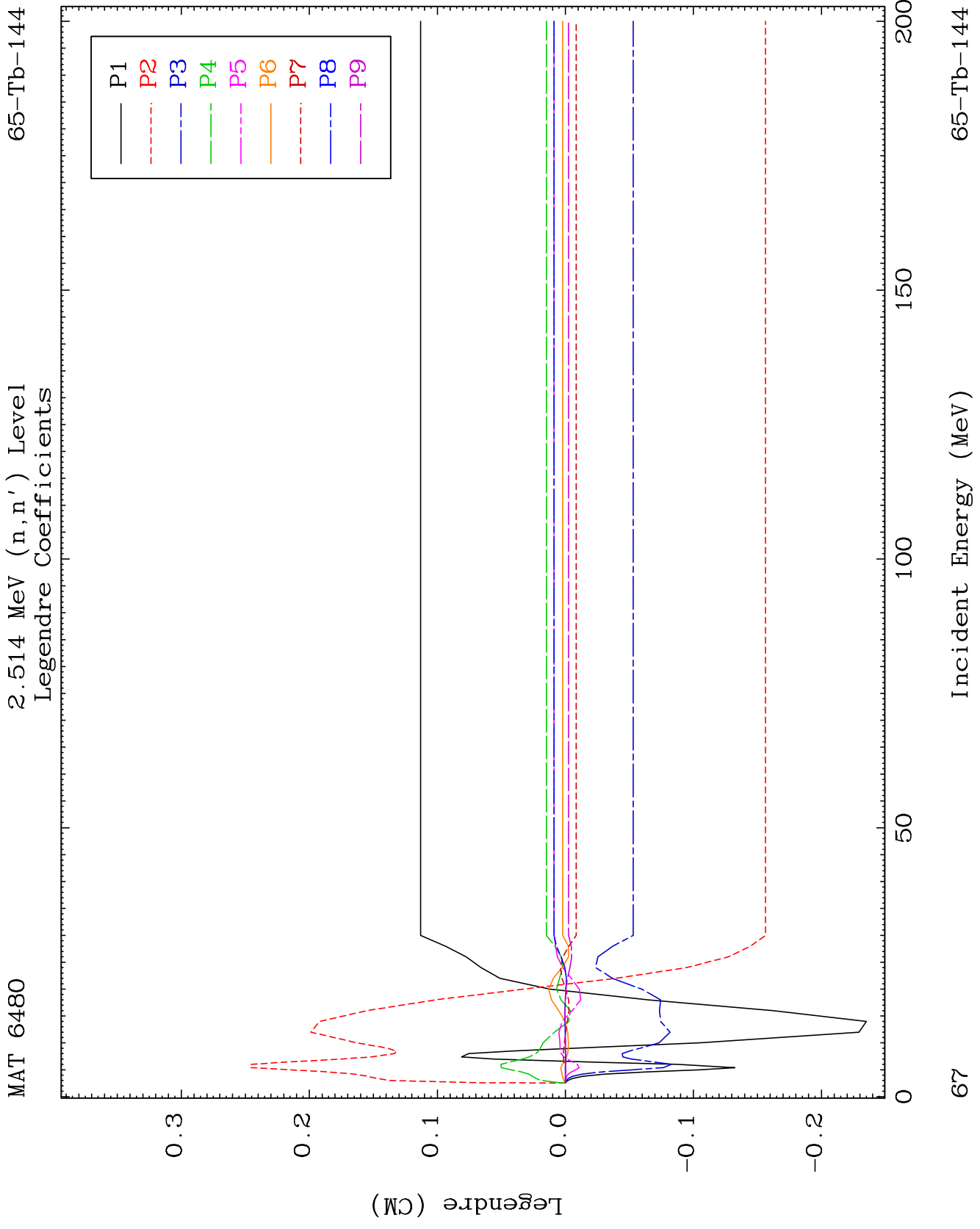
Incident Energy (MeV)

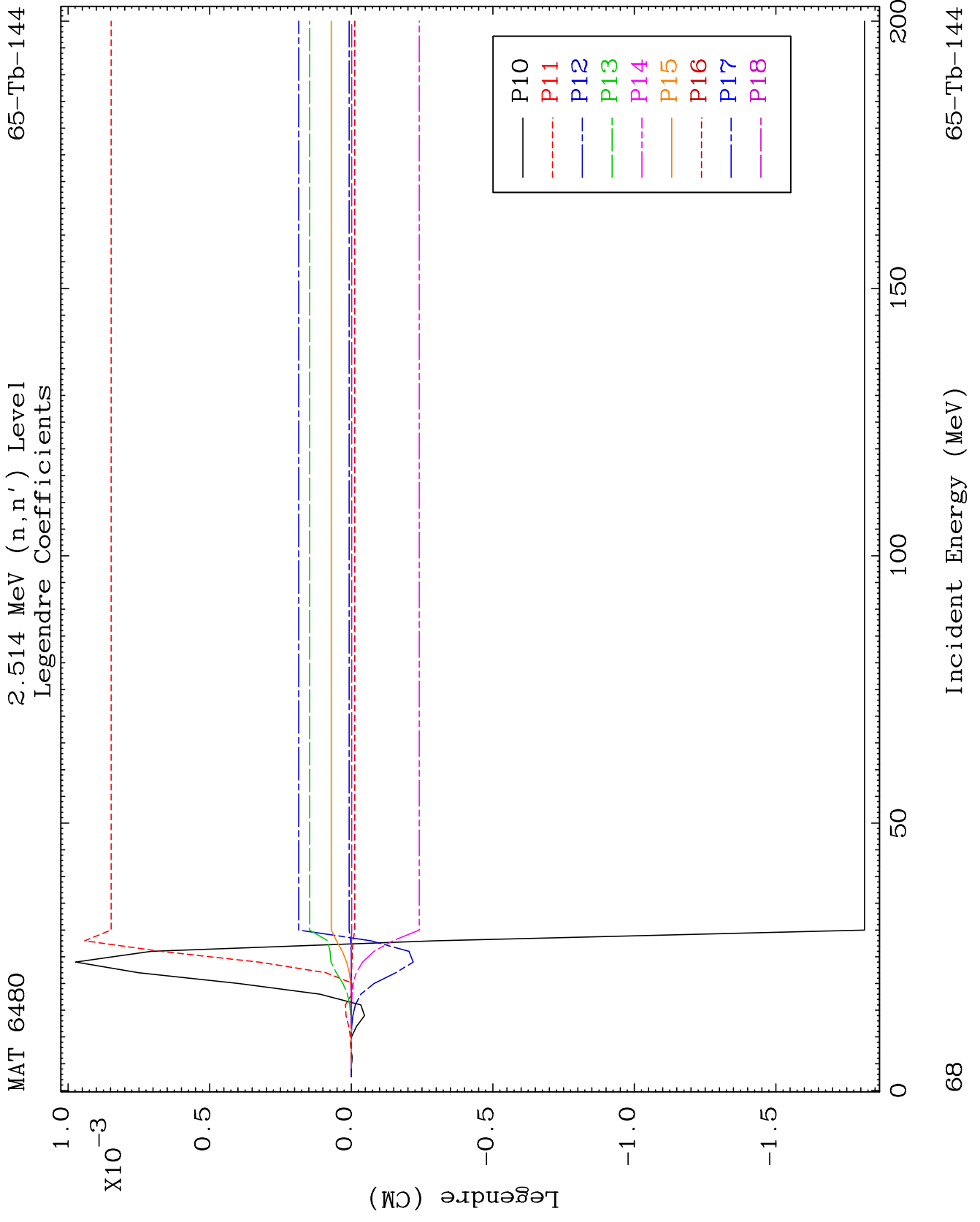
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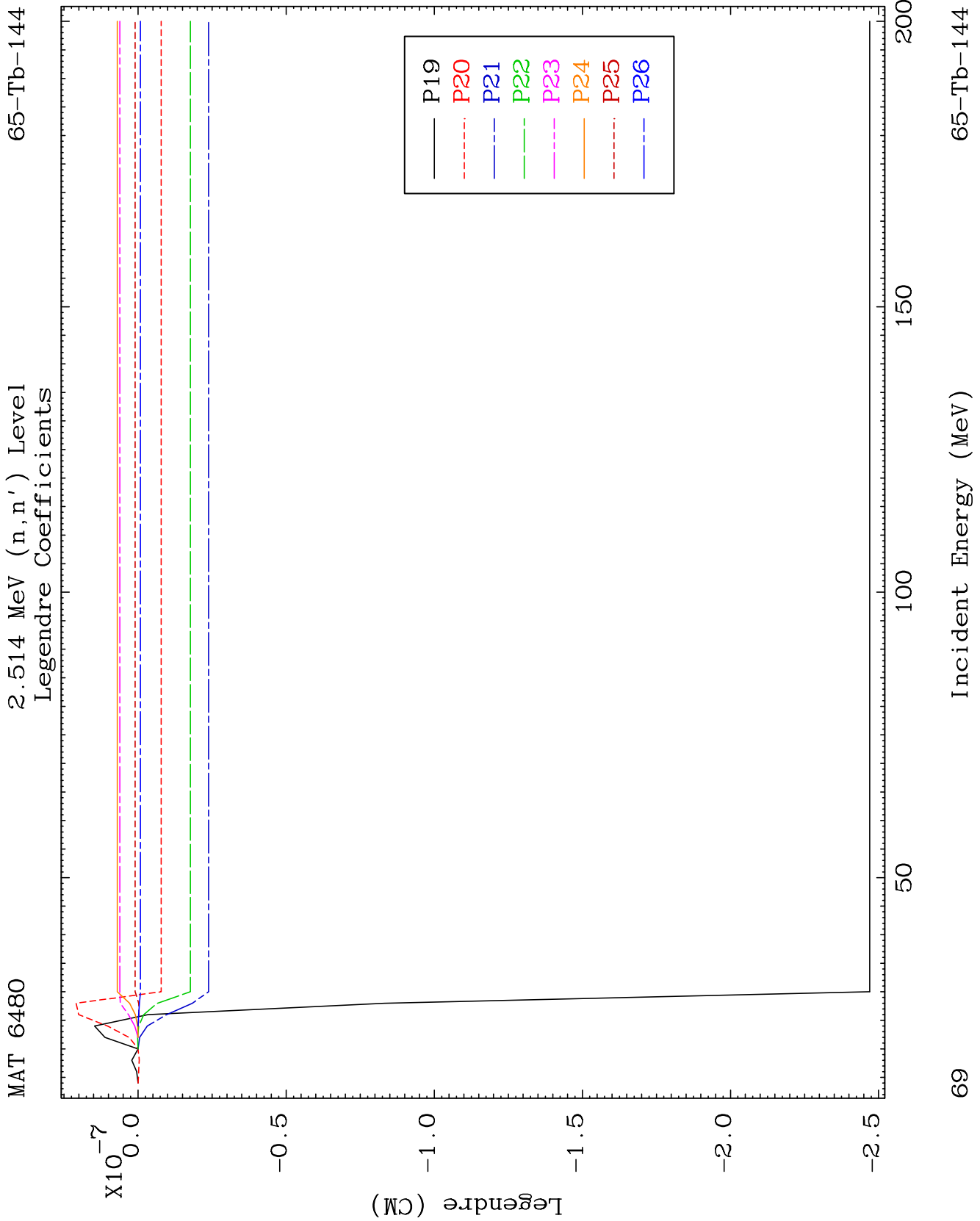


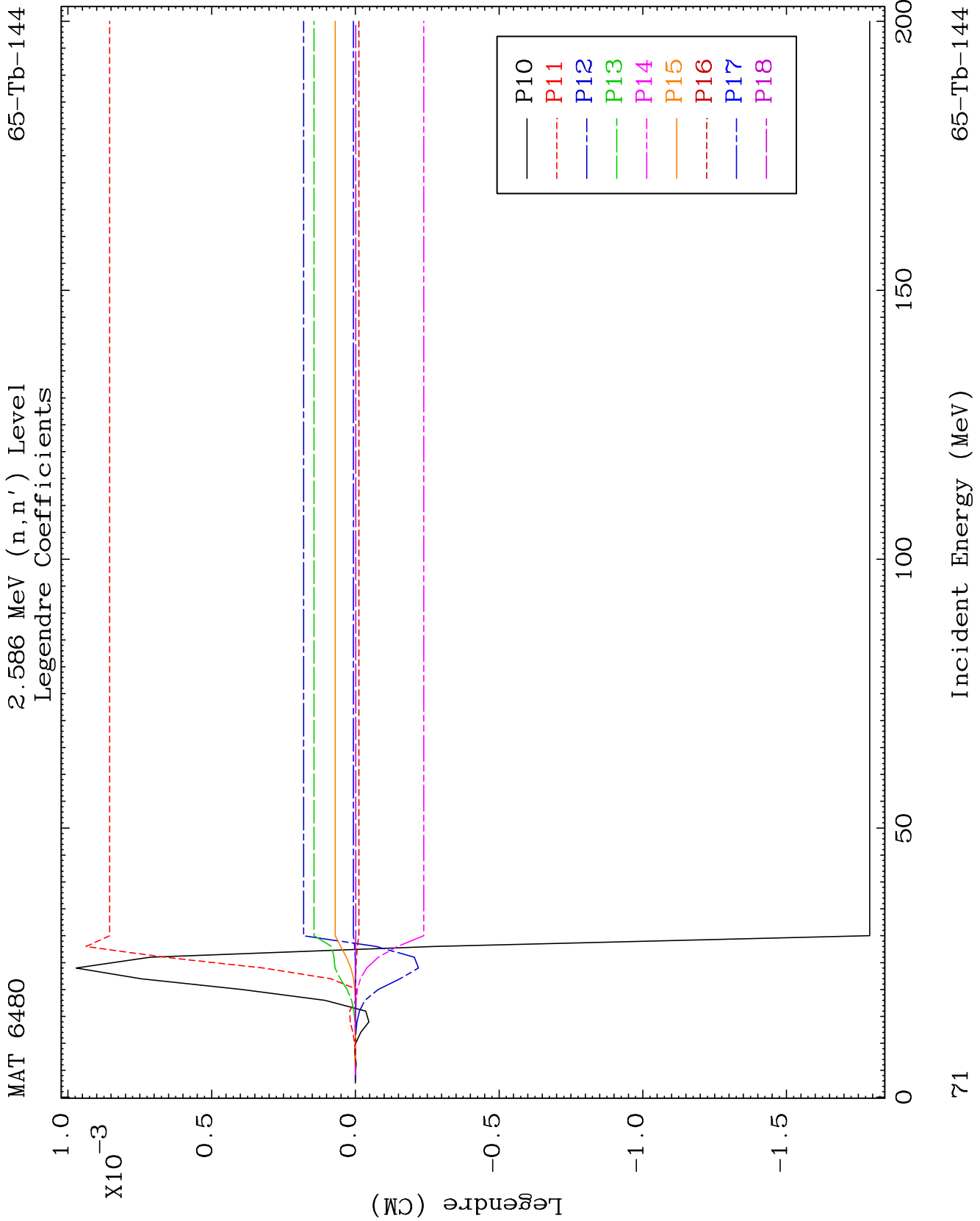


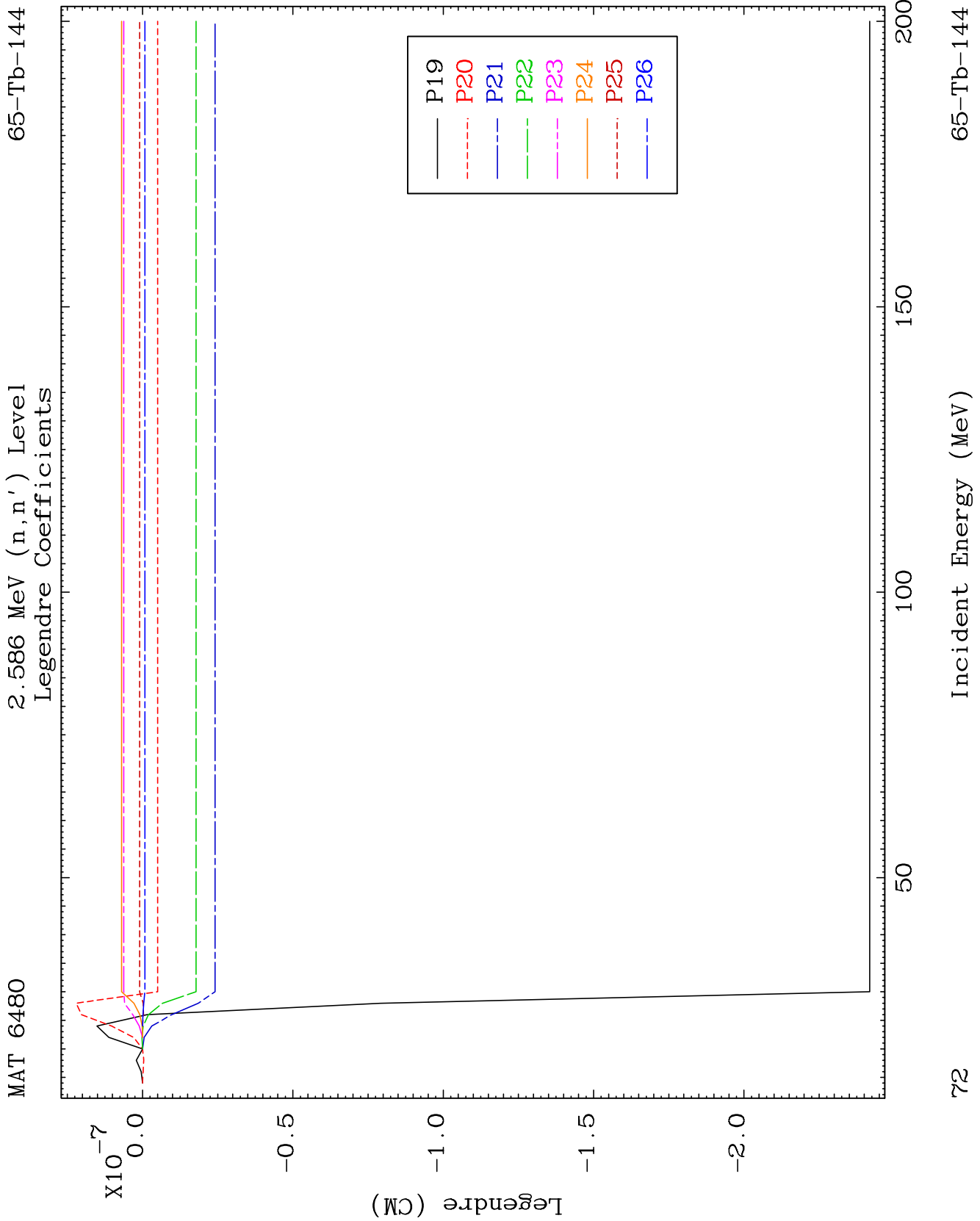








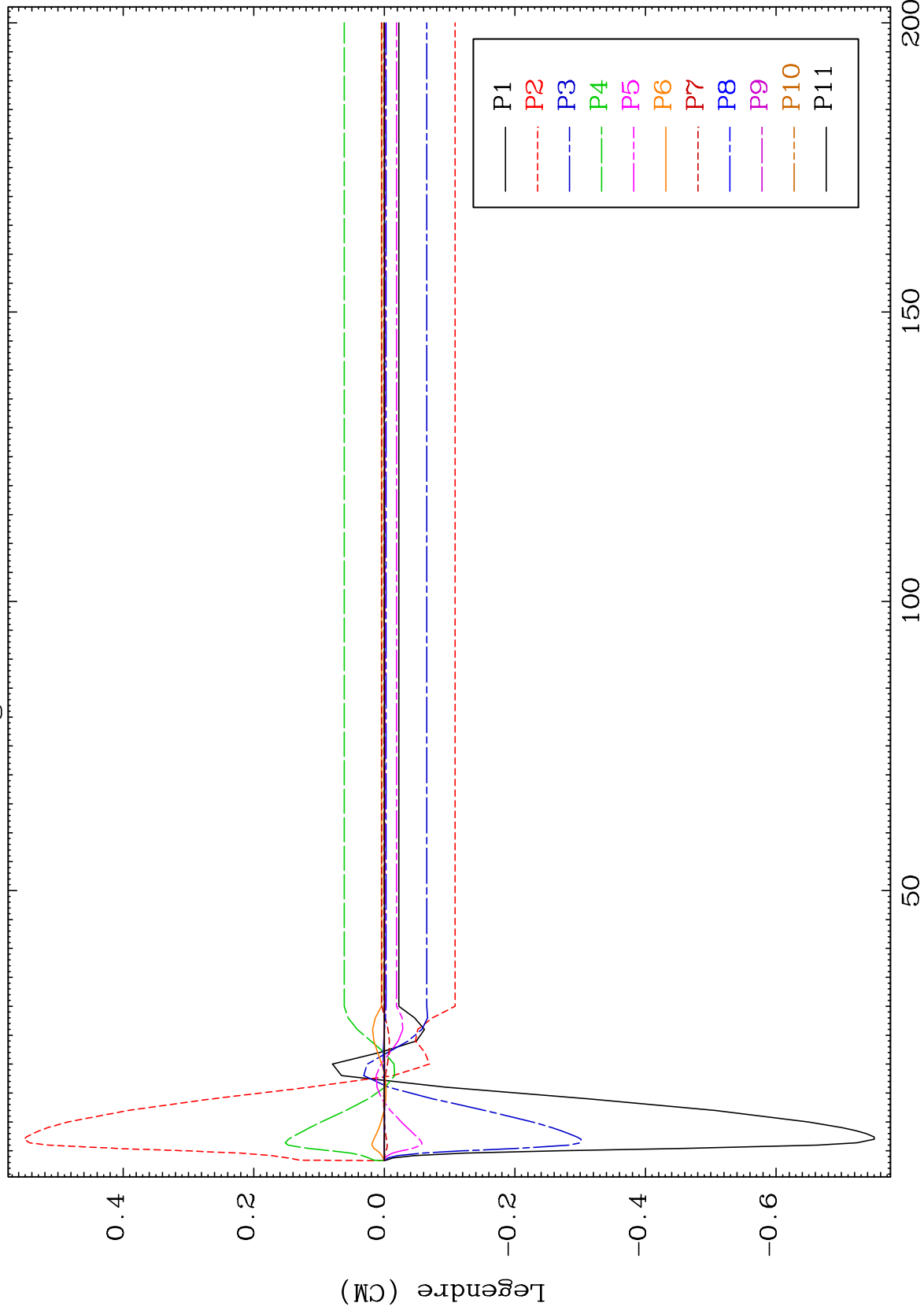




MAT 6480

3.276 MeV (n,n') Level
Legendre Coefficients

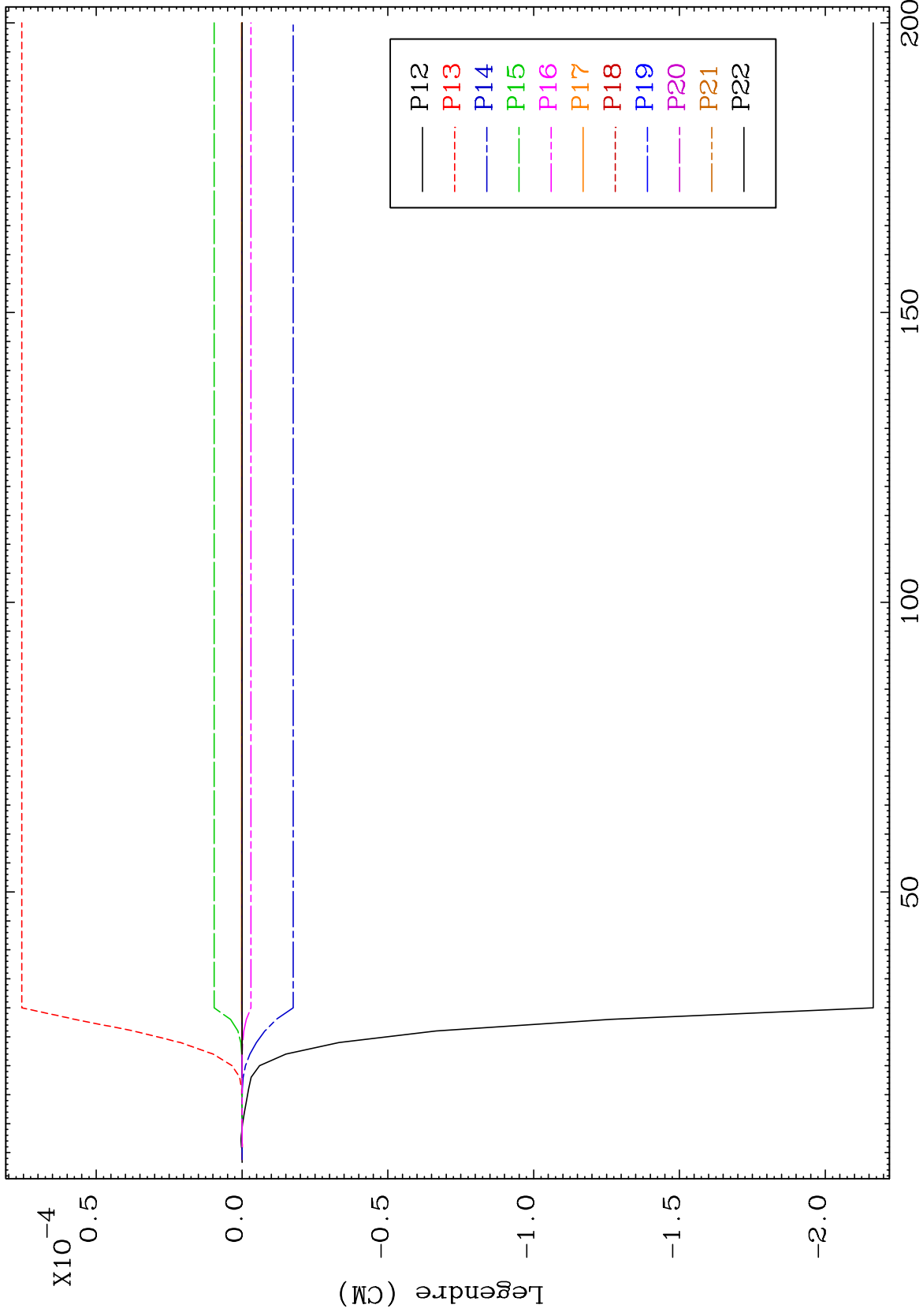
65-Tb-144



73

Incident Energy (MeV)

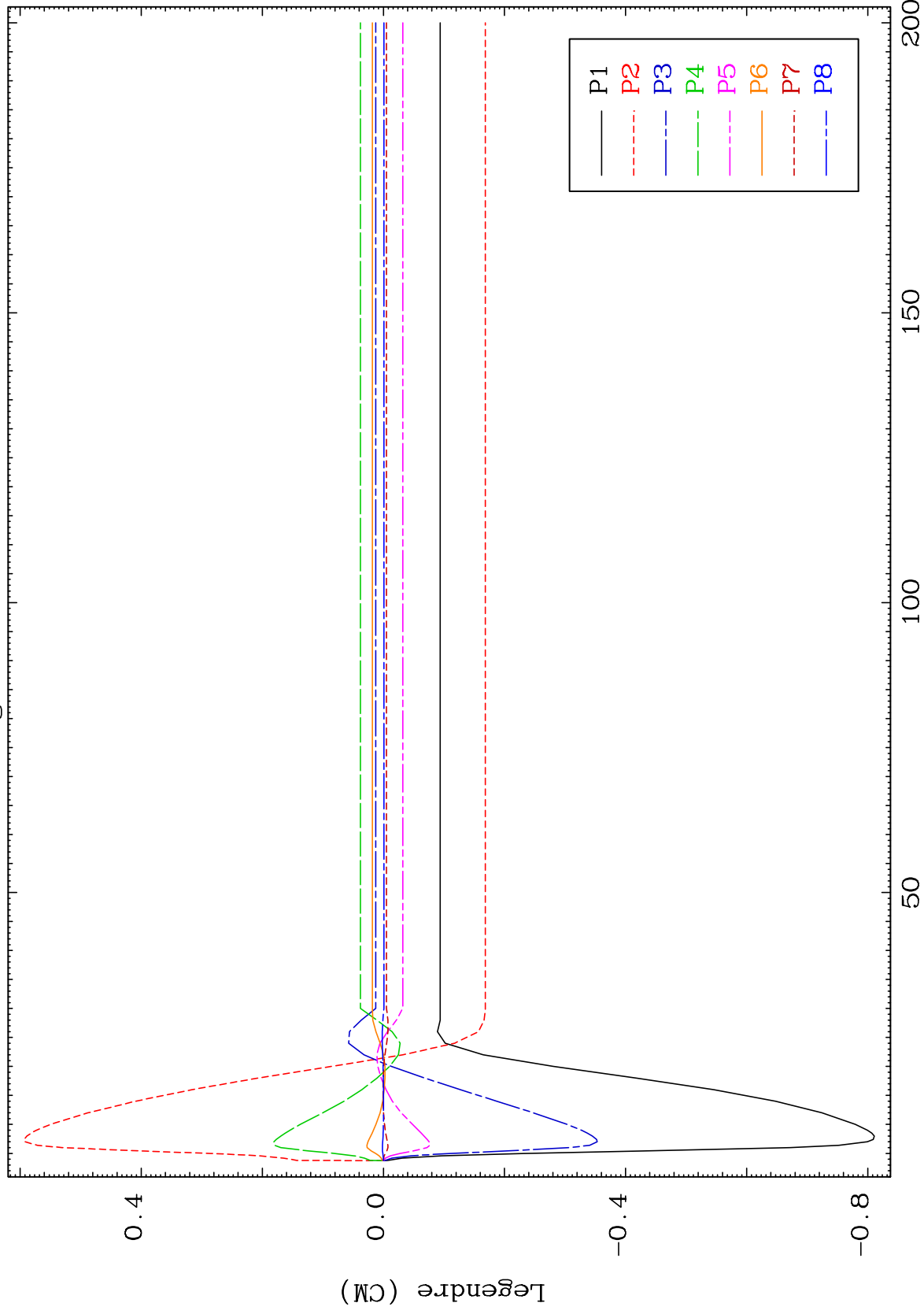
65-Tb-144



MAT 6480

3.713 MeV (n,n') Level
Legendre Coefficients

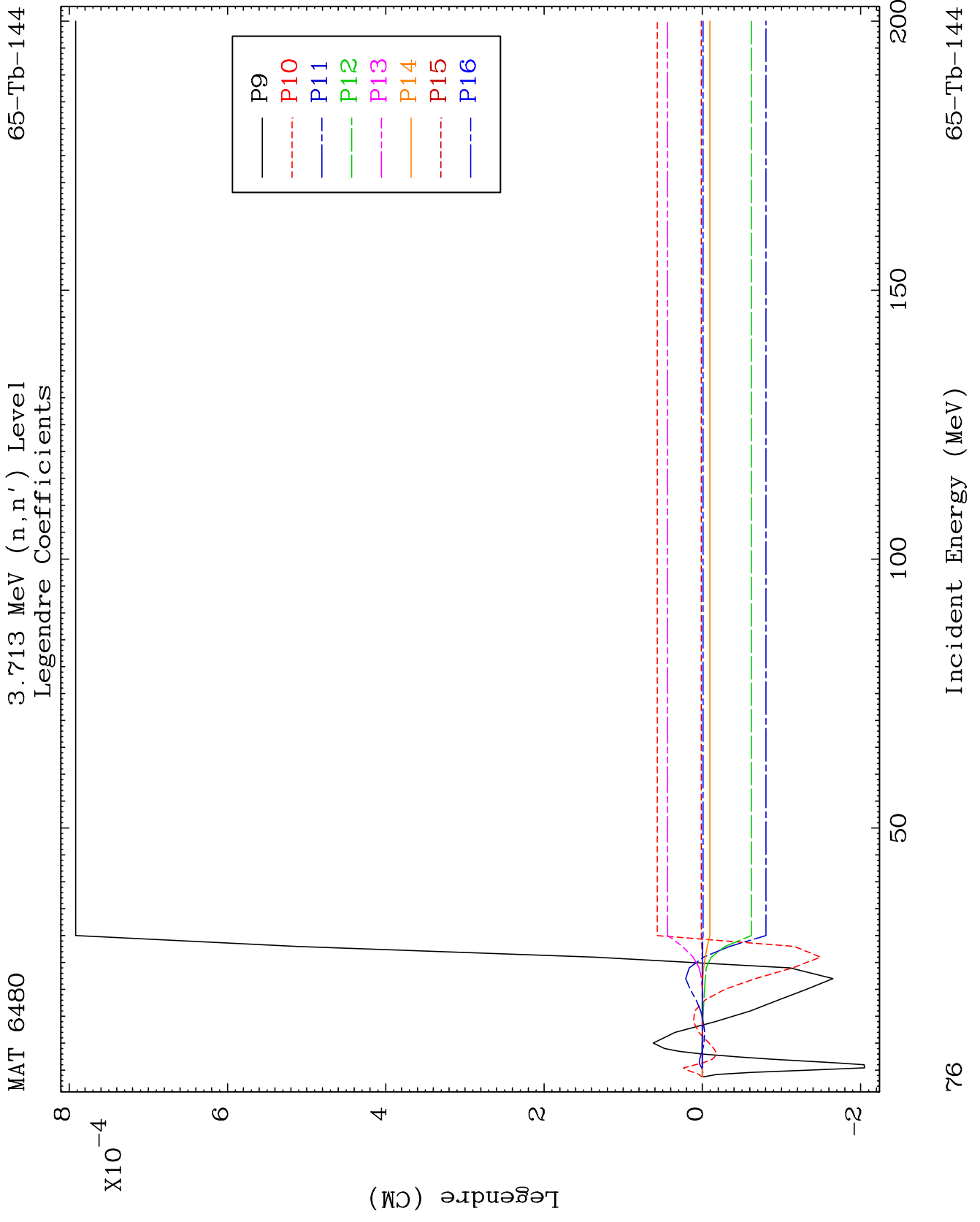
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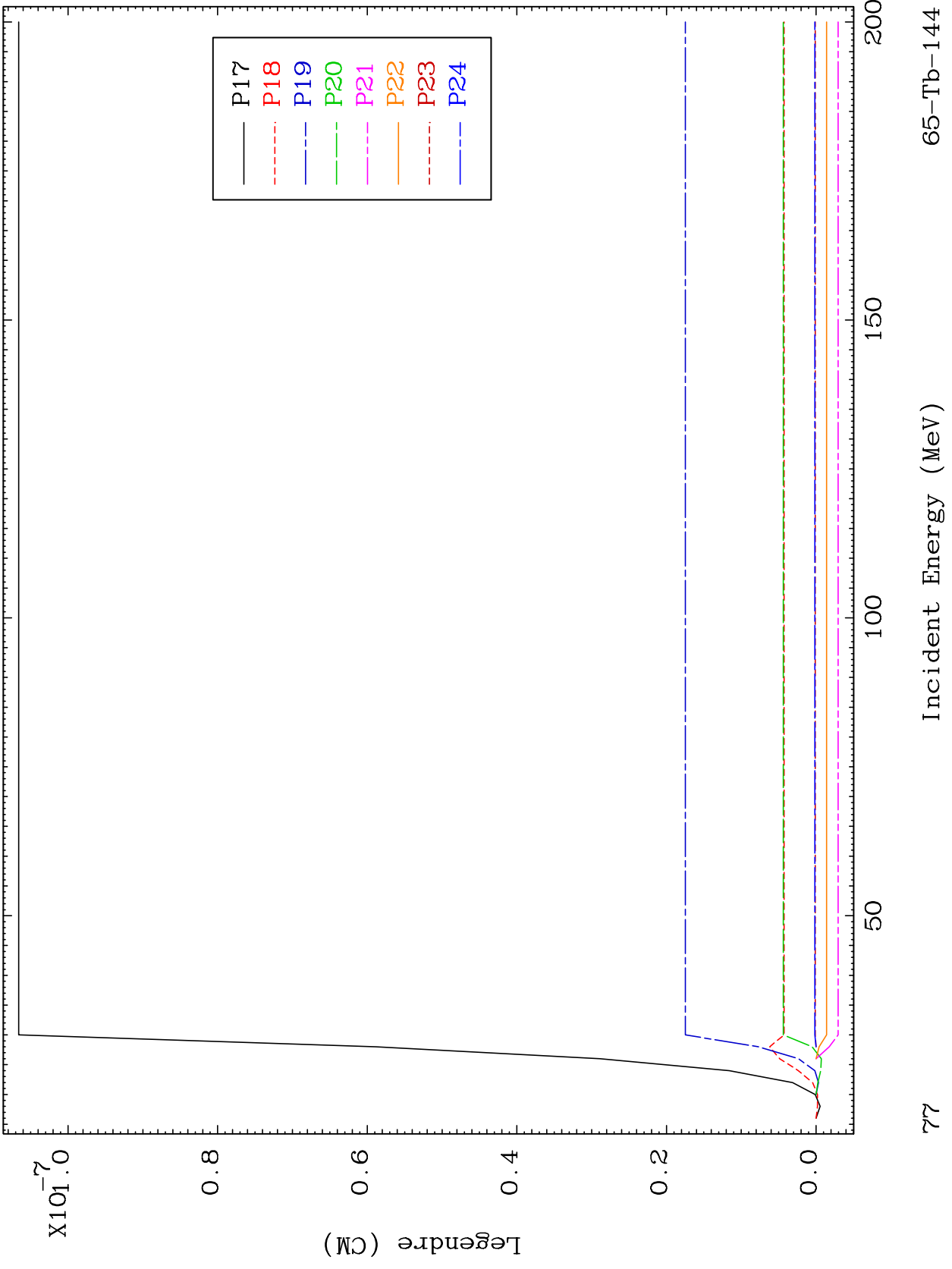


75

Incident Energy (MeV)

65-Tb-144

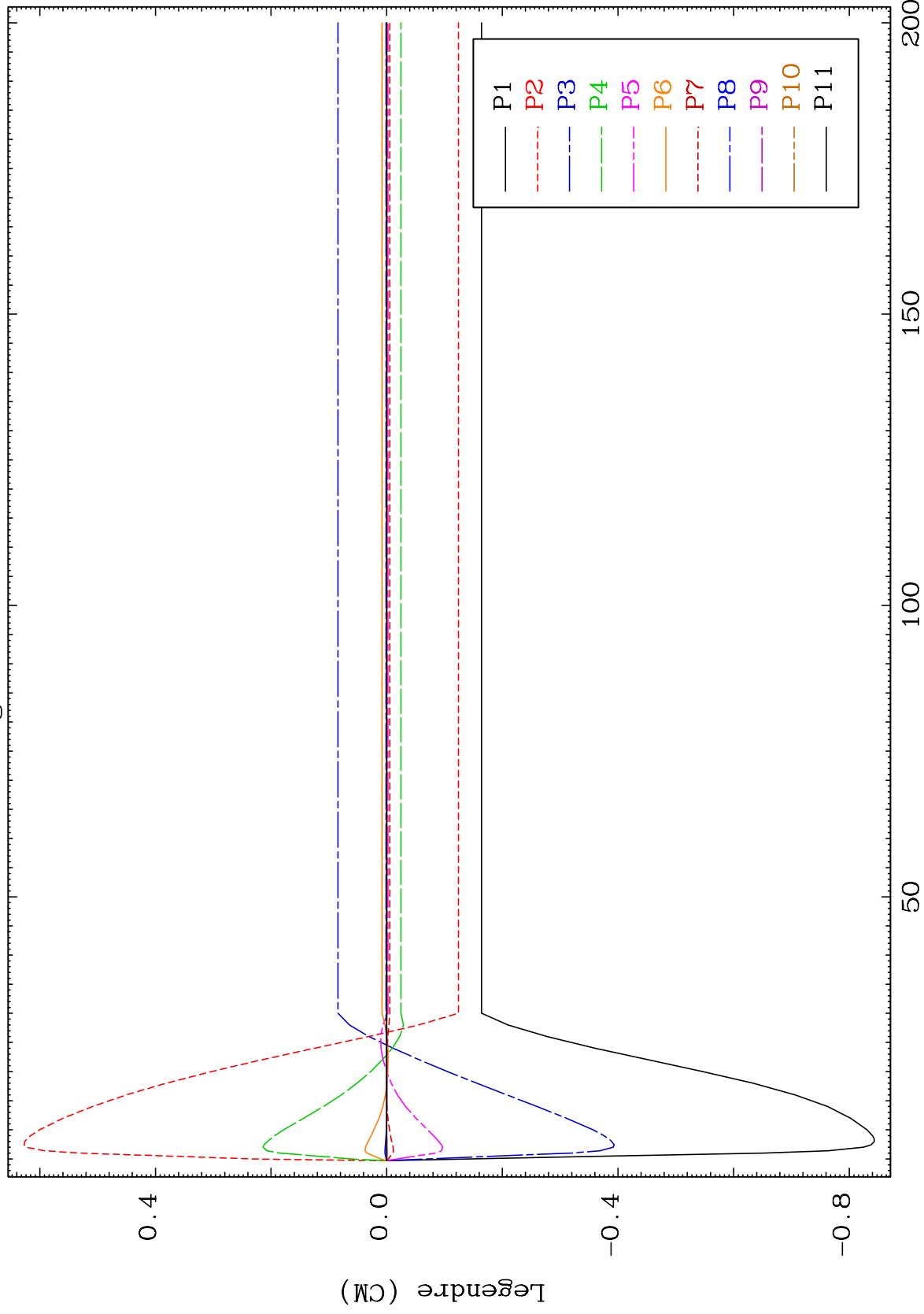




MAT 6480

4.665 MeV (n,n') Level
Legendre Coefficients

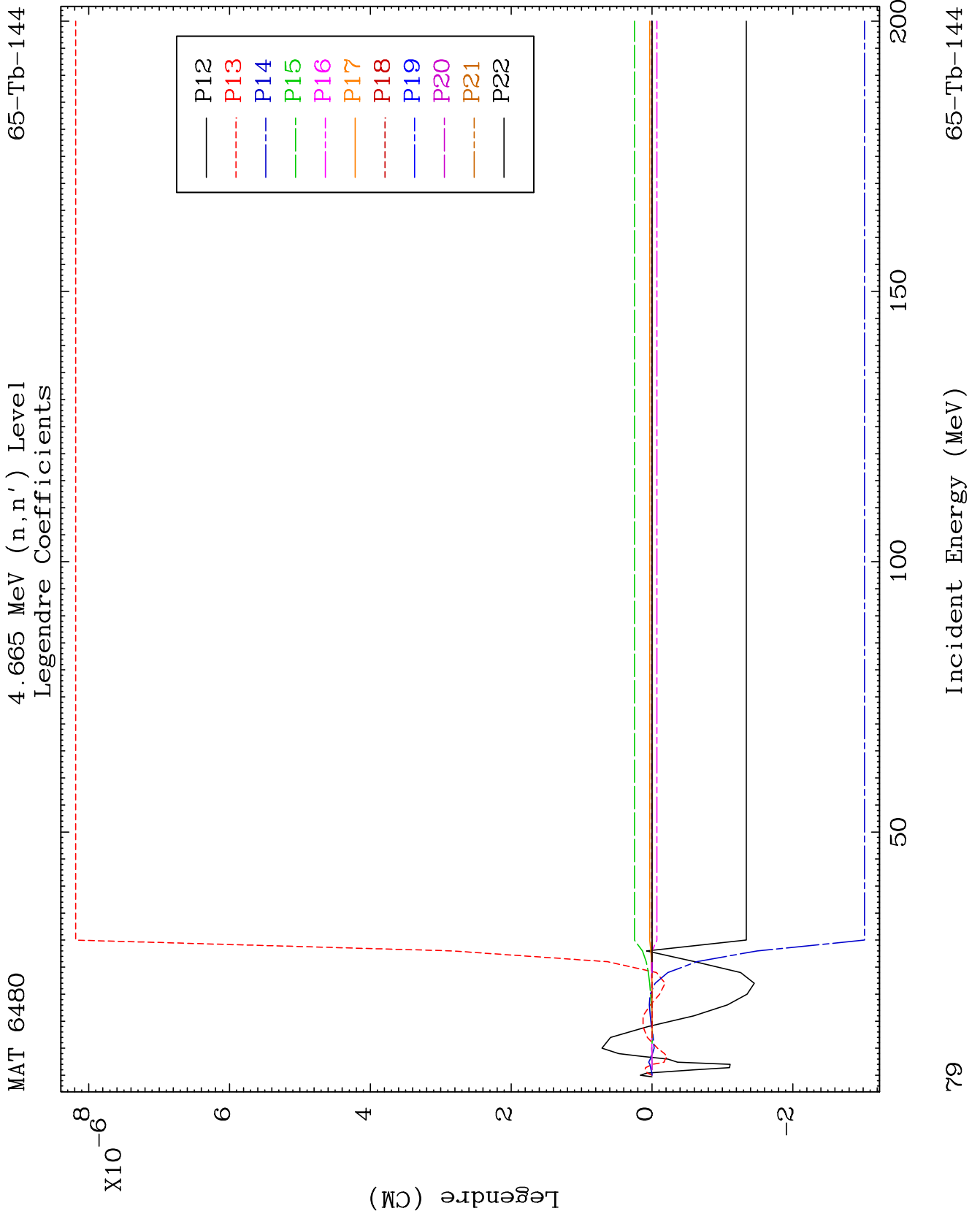
65-Tb-144



78

Incident Energy (MeV)

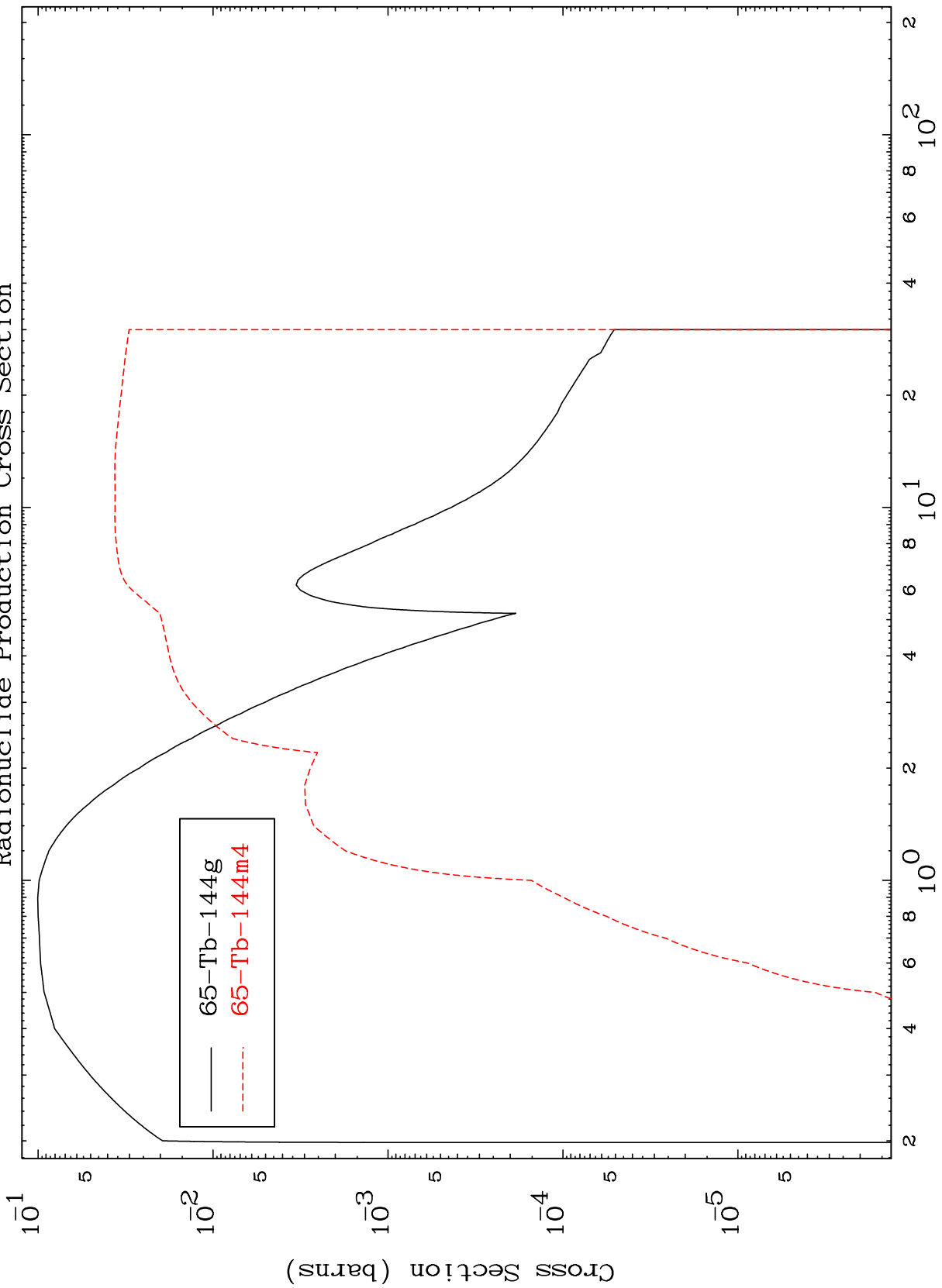
65-Tb-144



MAT 6480

65-Tb-144

Inelastic
Radionuclide Production Cross Section



80

Incident Energy (MeV)

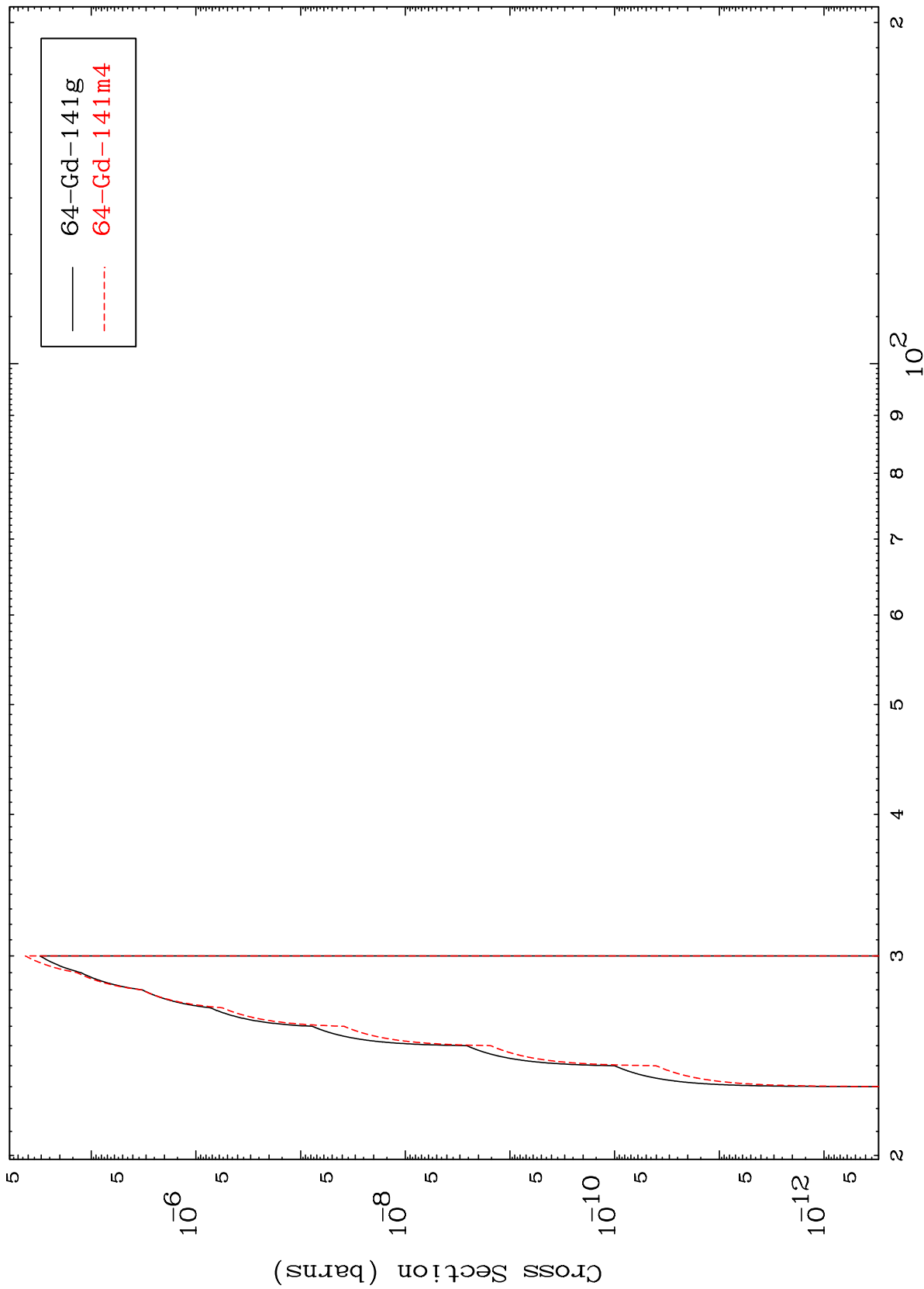
65-Tb-144

MAT 6480

(n,2n) d

65-Tb-144

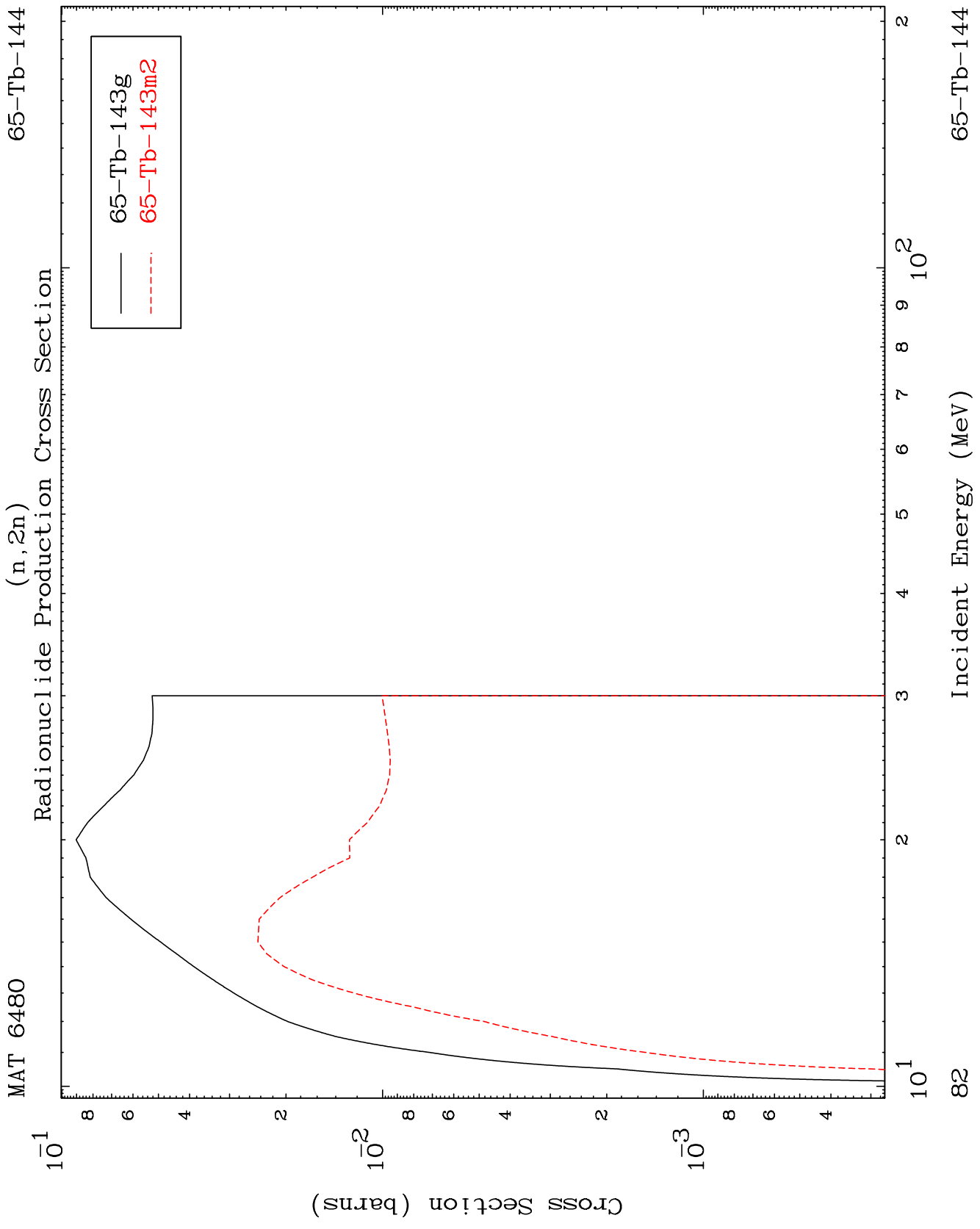
Radionuclide Production Cross Section



81

Incident Energy (MeV)

65-Tb-144

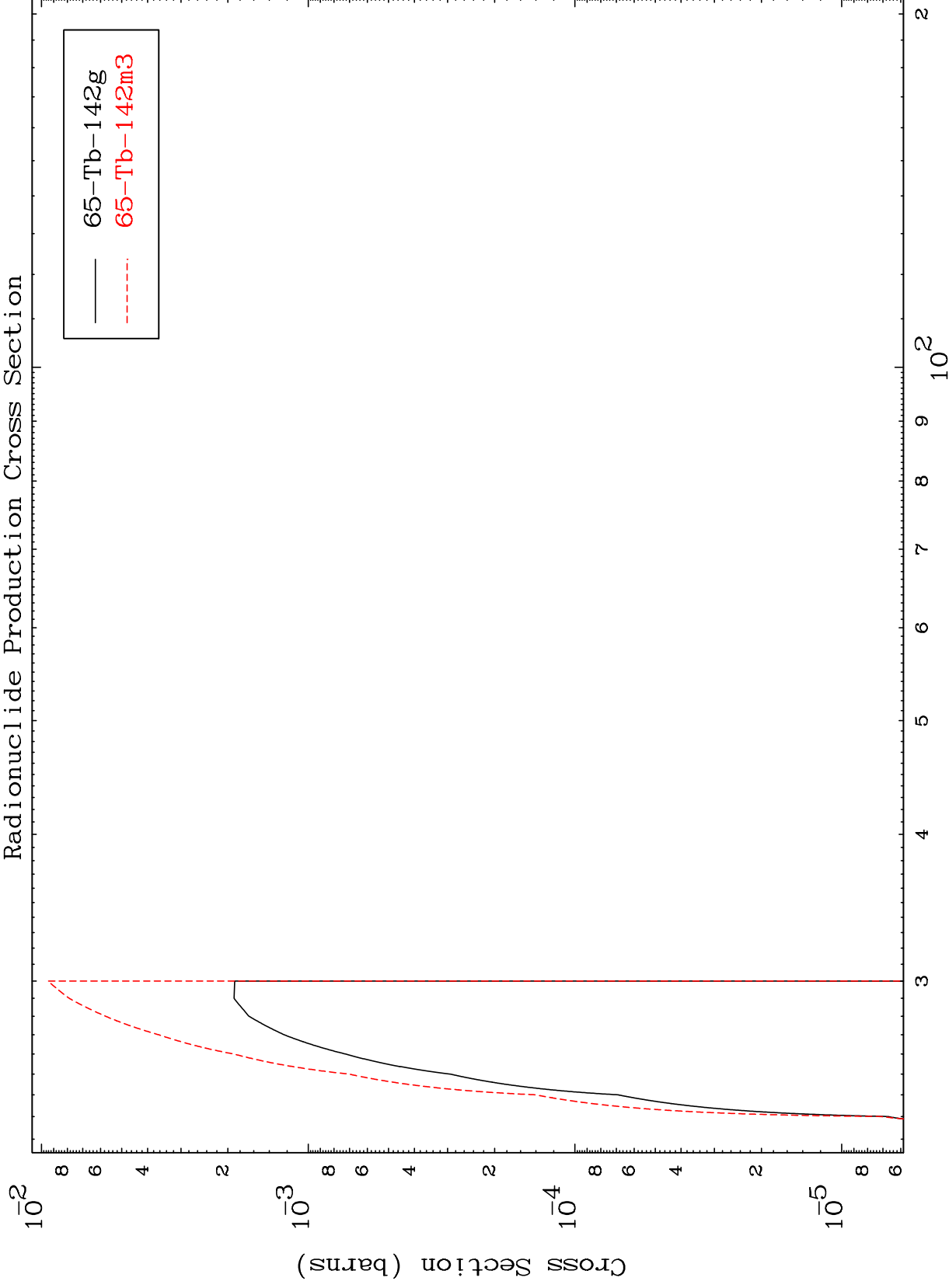


MAT 6480

(n,3n)

65-Tb-144

Radionuclide Production Cross Section



83

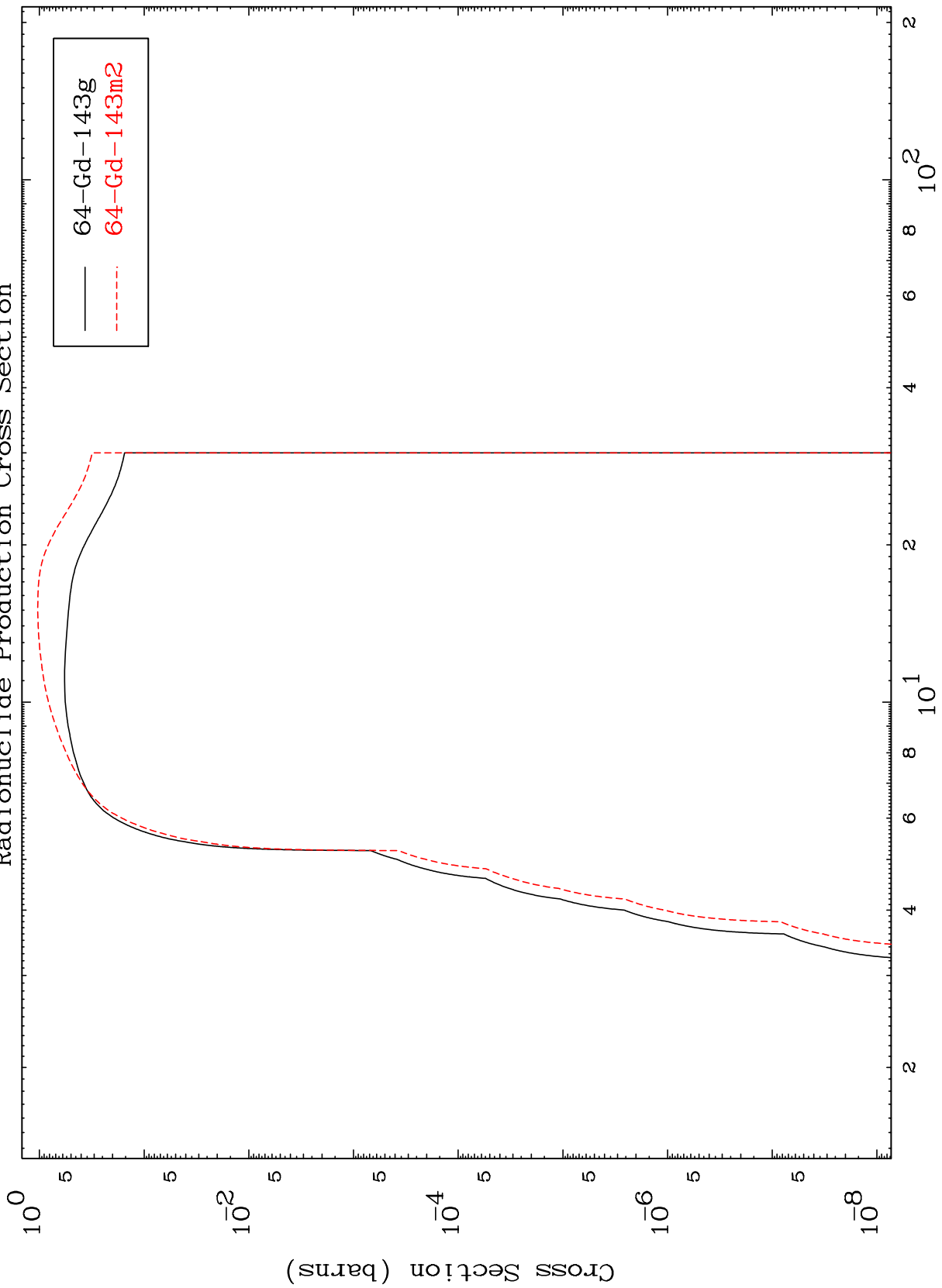
Incident Energy (MeV)

65-Tb-144

MAT 6480

65-Tb-144

(n,n') p
Radionuclide Production Cross Section



84

Incident Energy (MeV)

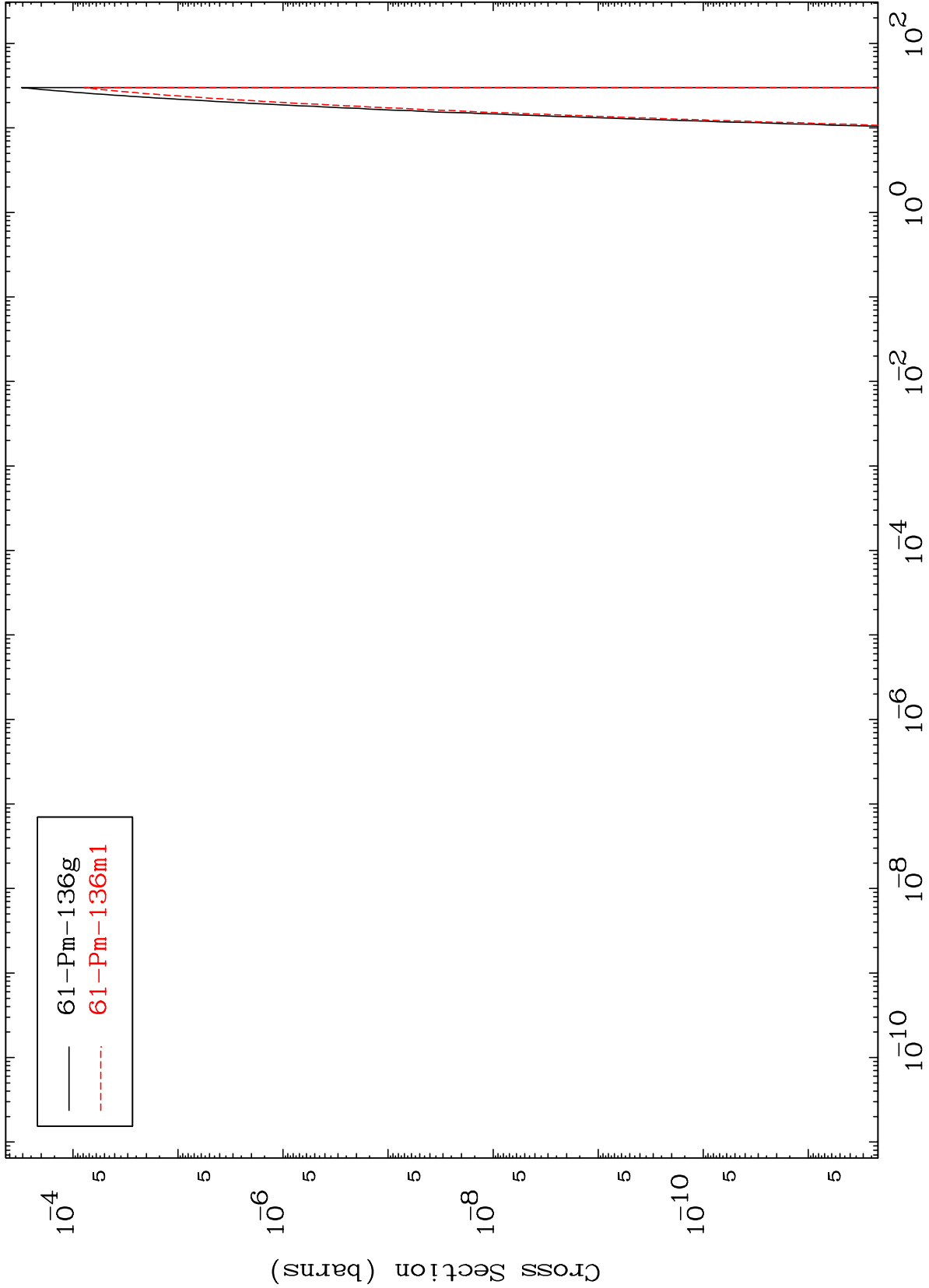
65-Tb-144

MAT 6480

(n,n') 2 α

65-Tb-144

Radionuclide Production Cross Section



61-Pm-136g
61-Pm-136m1

85

Incident Energy (MeV)

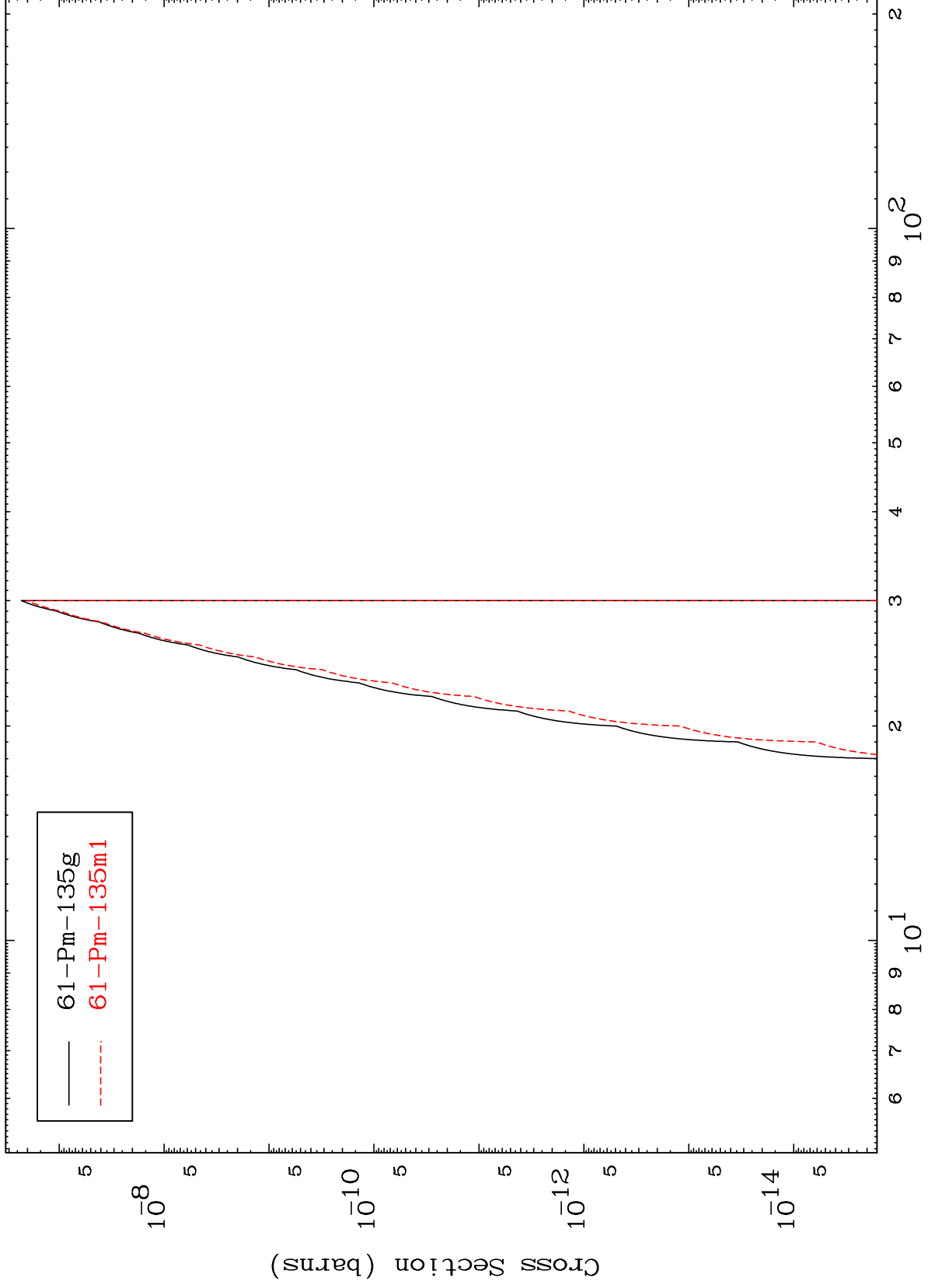
65-Tb-144

MAT 6480

(n,2n) 2α

65-Tb-144

Radionuclide Production Cross Section



61-Pm-135g
61-Pm-135m1

86

Incident Energy (MeV)

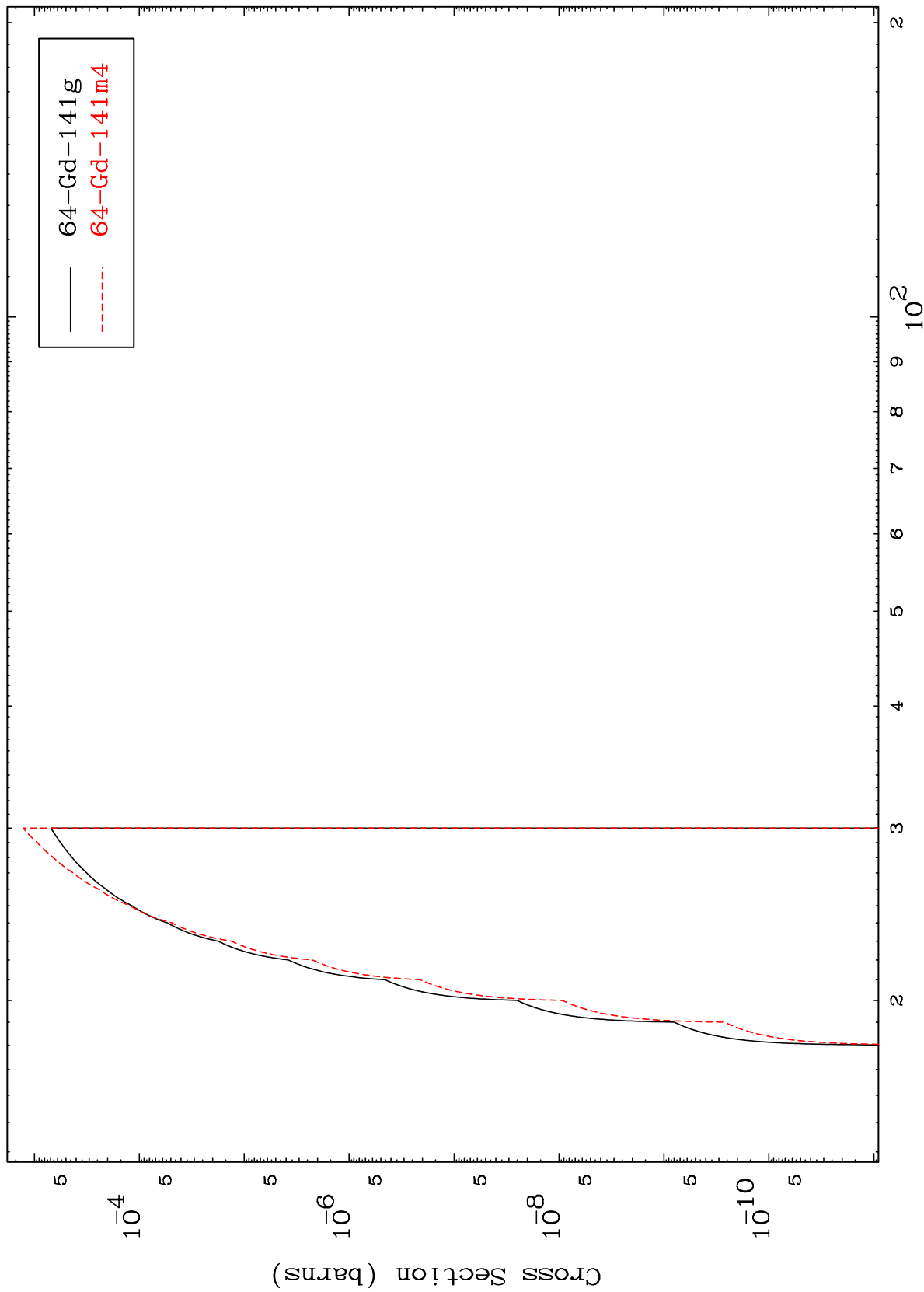
65-Tb-144

MAT 6480

(n,n') t

65-Tb-144

Radionuclide Production Cross Section



87

Incident Energy (MeV)

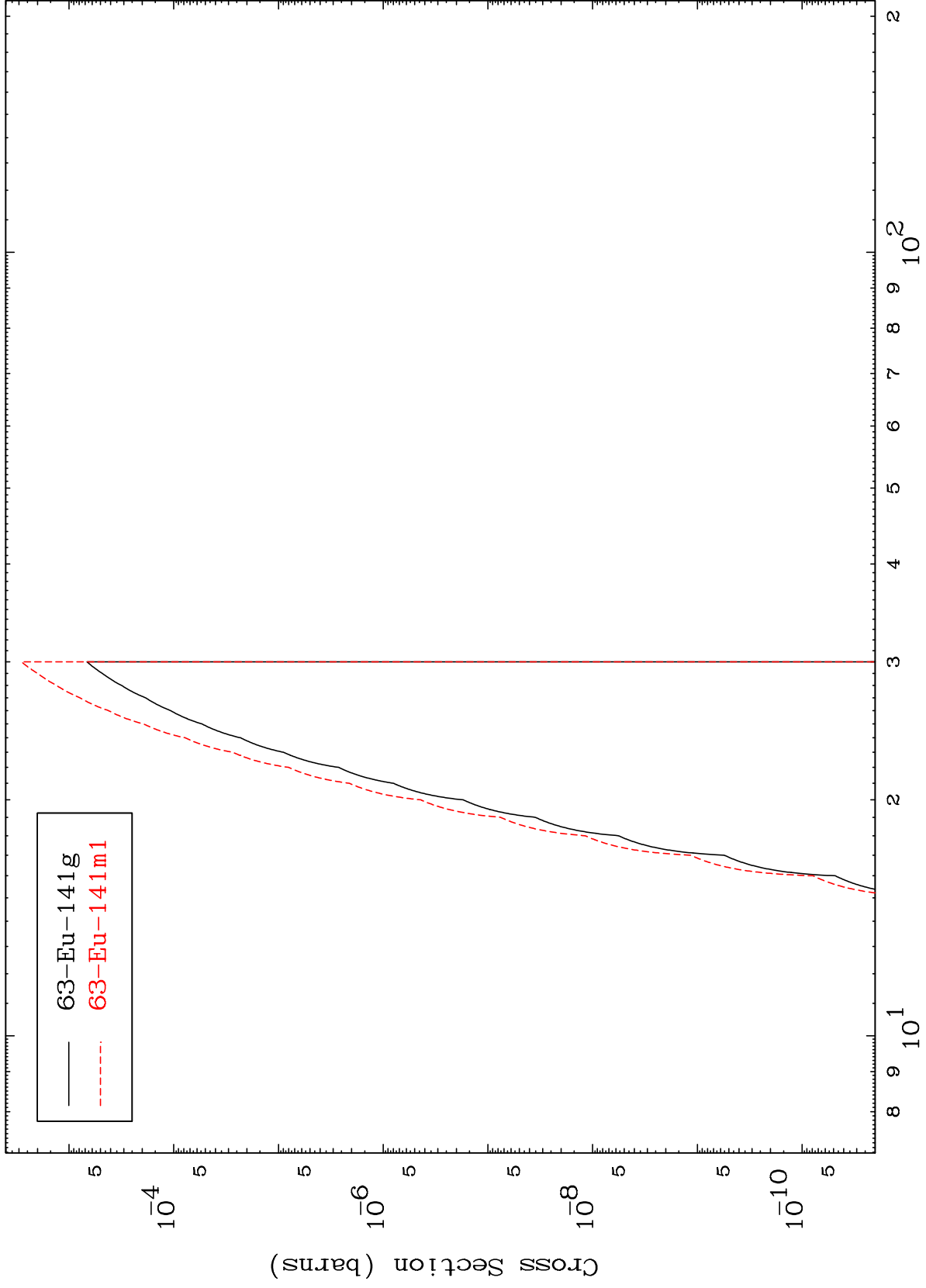
65-Tb-144

MAT 6480

(n,n') He-3

65-Tb-144

Radionuclide Production Cross Section



88

Incident Energy (MeV)

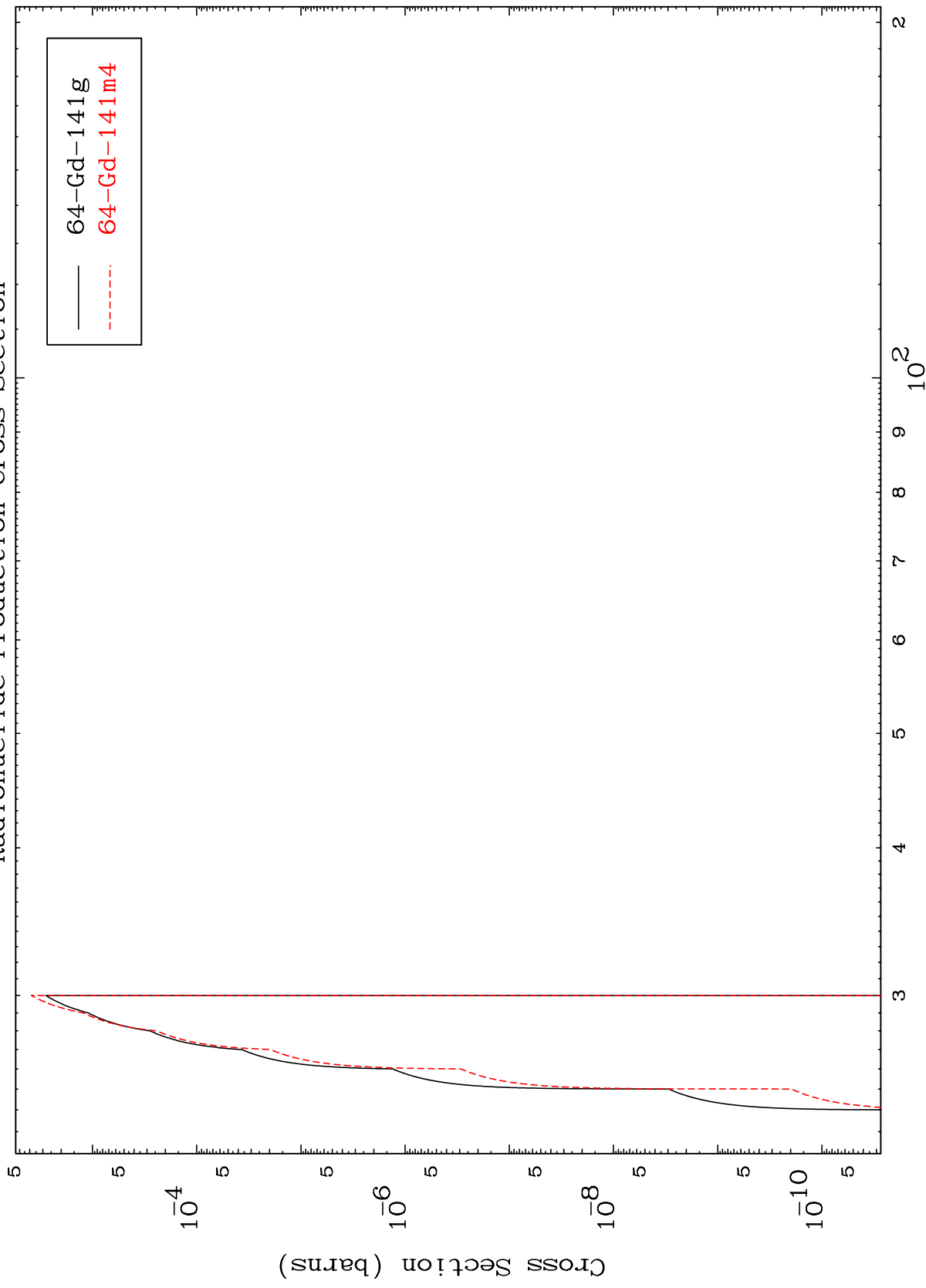
65-Tb-144

MAT 6480

(n,3n) p

65-Tb-144

Radionuclide Production Cross Section



89

Incident Energy (MeV)

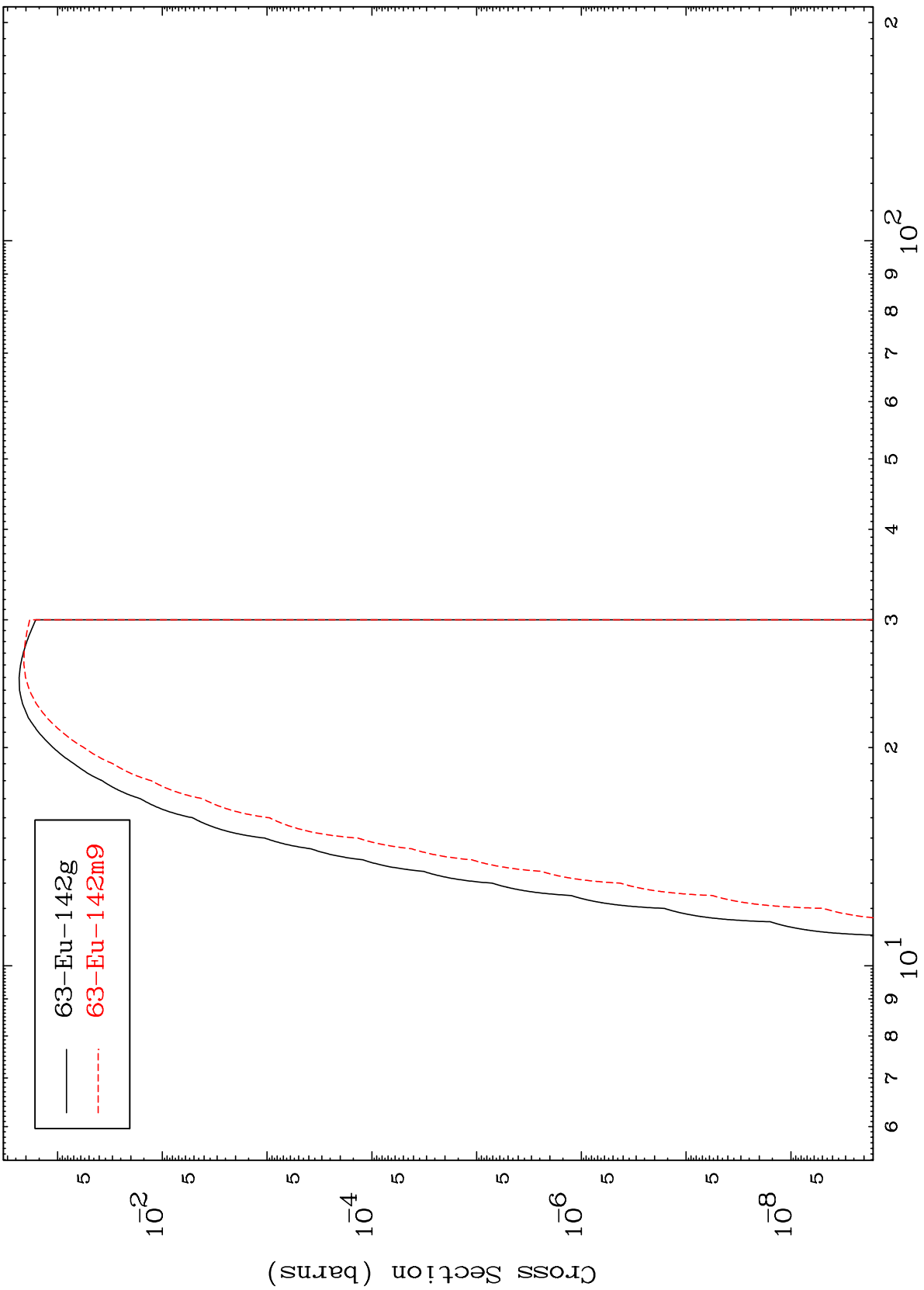
65-Tb-144

MAT 6480

(n,2n) p

65-Tb-144

Radionuclide Production Cross Section



63-Eu-142g
63-Eu-142m9

90

Incident Energy (MeV)

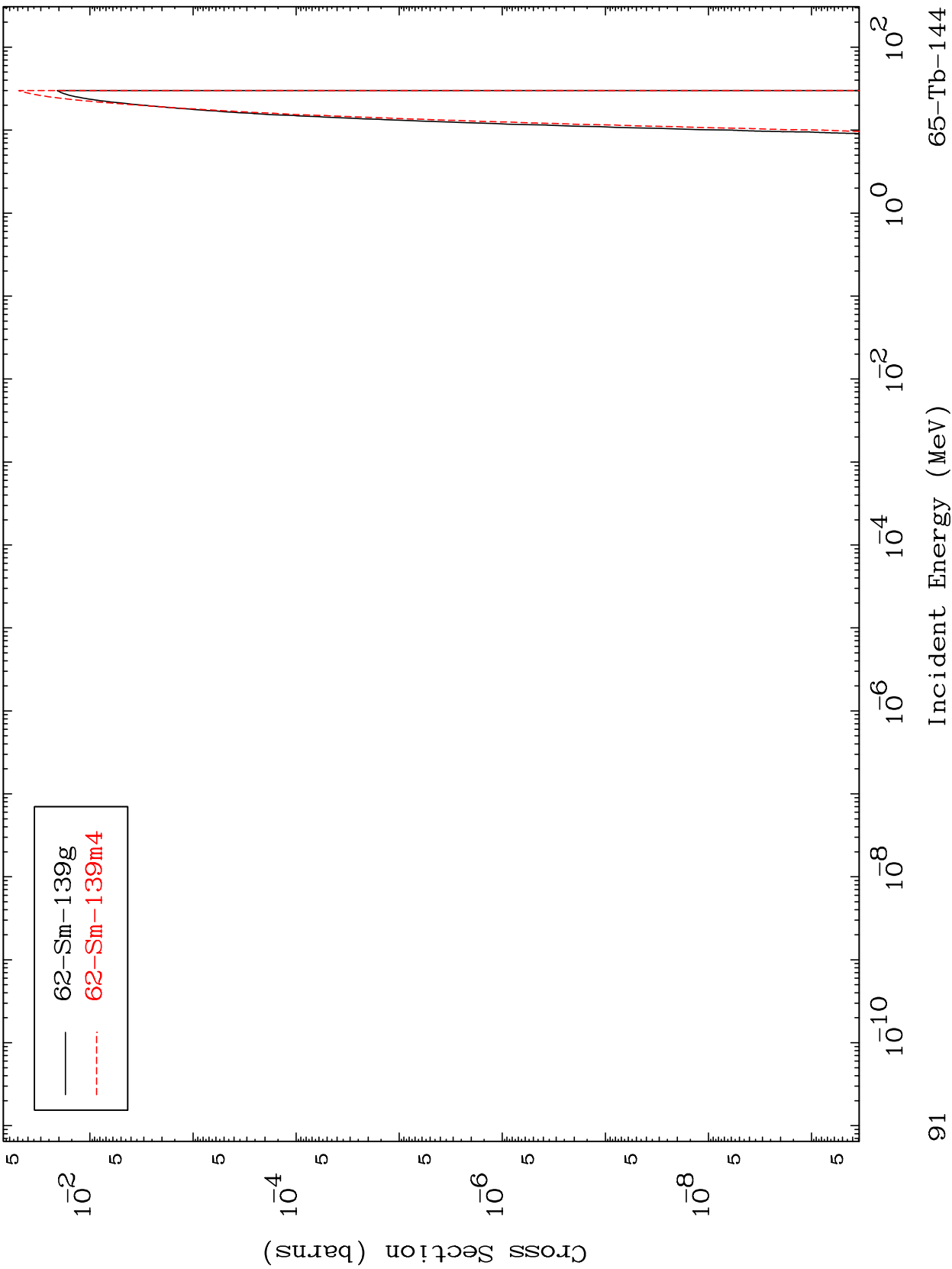
65-Tb-144

MAT 6480

(n,n') p α

65-Tb-144

Radionuclide Production Cross Section

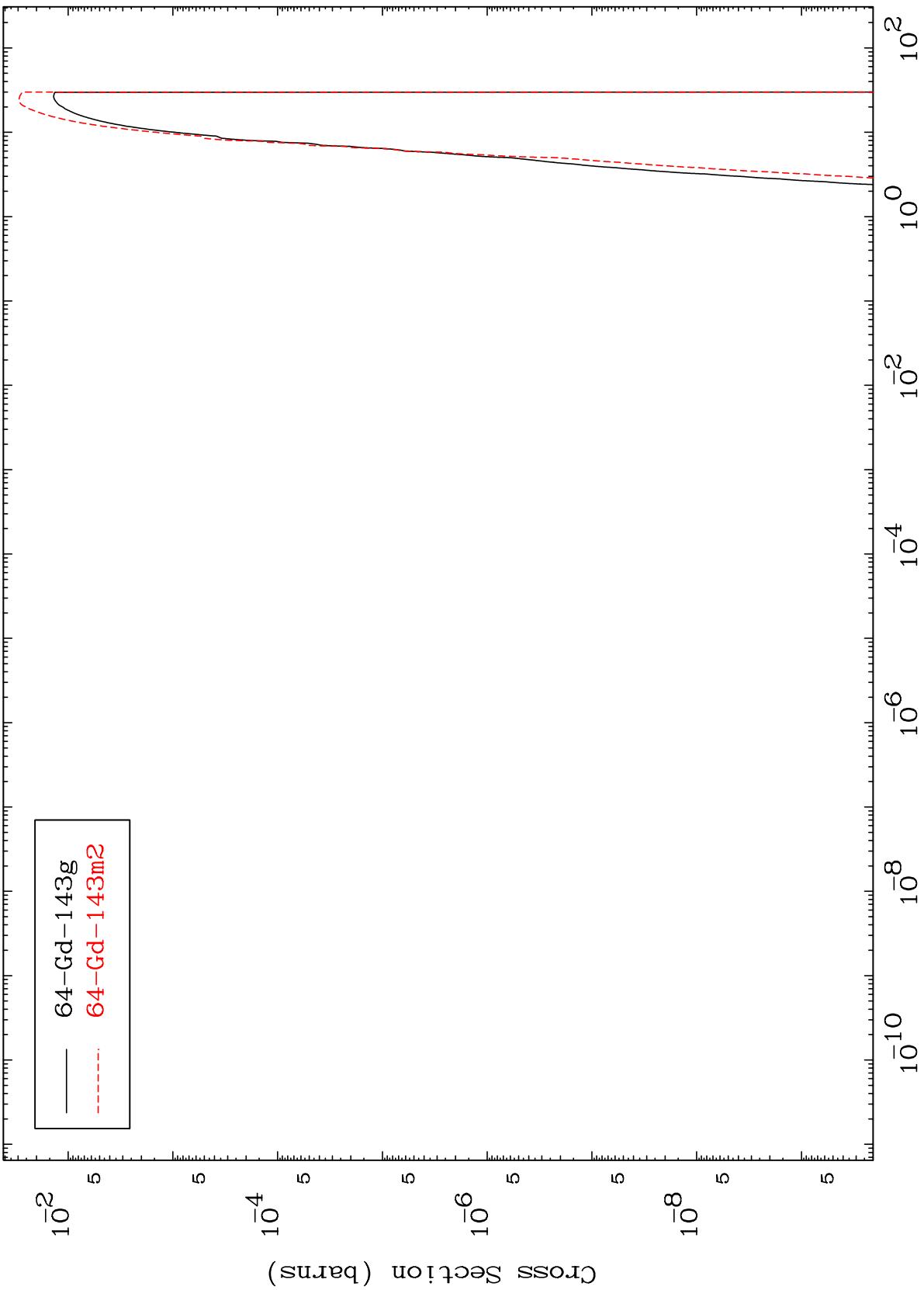
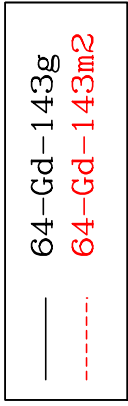


MAT 6480

(n,d)

65-Tb-144

Radionuclide Production Cross Section



92

Incident Energy (MeV)

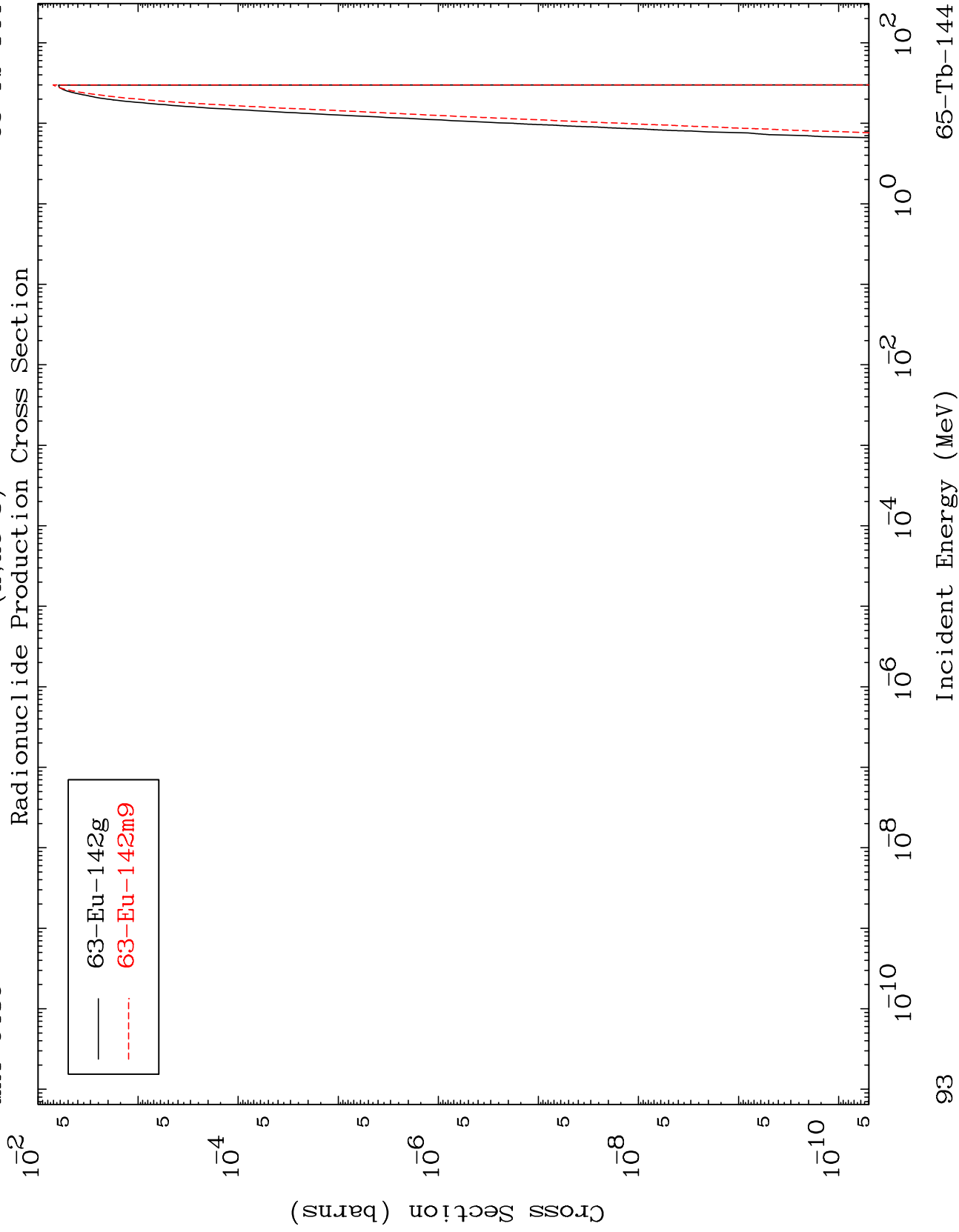
65-Tb-144

MAT 6480

(n,He-3)

65-Tb-144

Radionuclide Production Cross Section

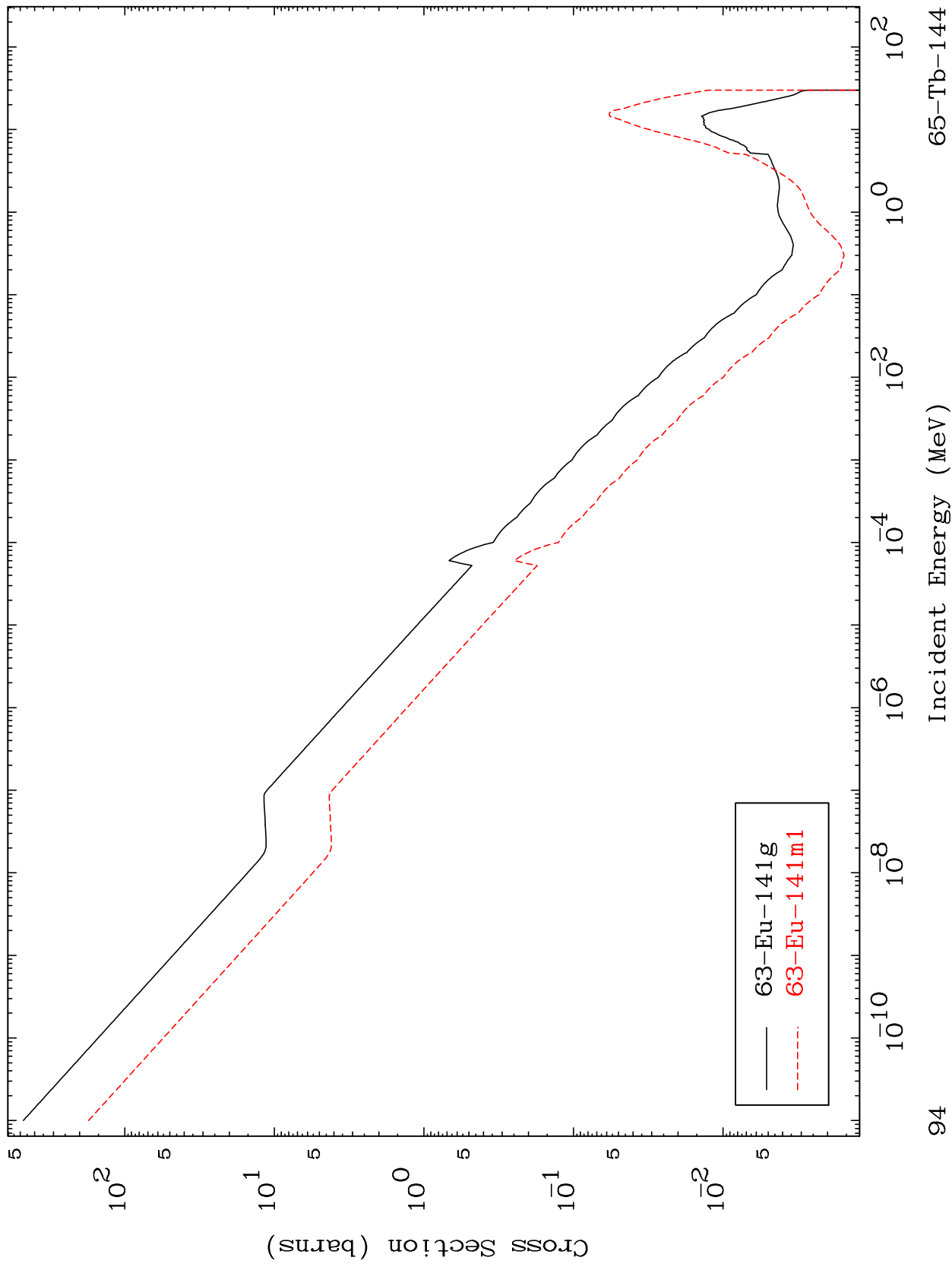


MAT 6480

65-Tb-144

Radionuclide Production Cross Section

(n, α)

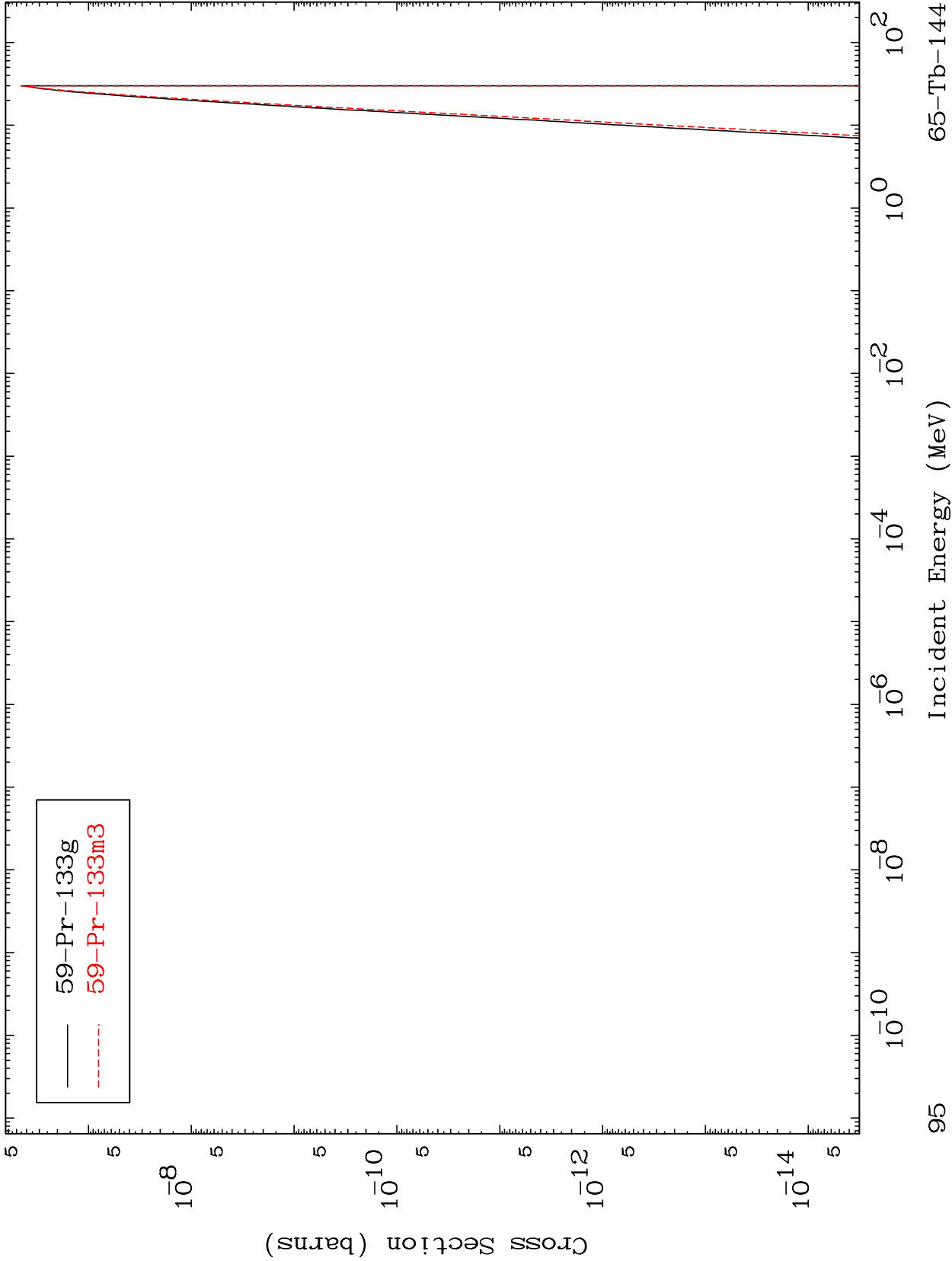


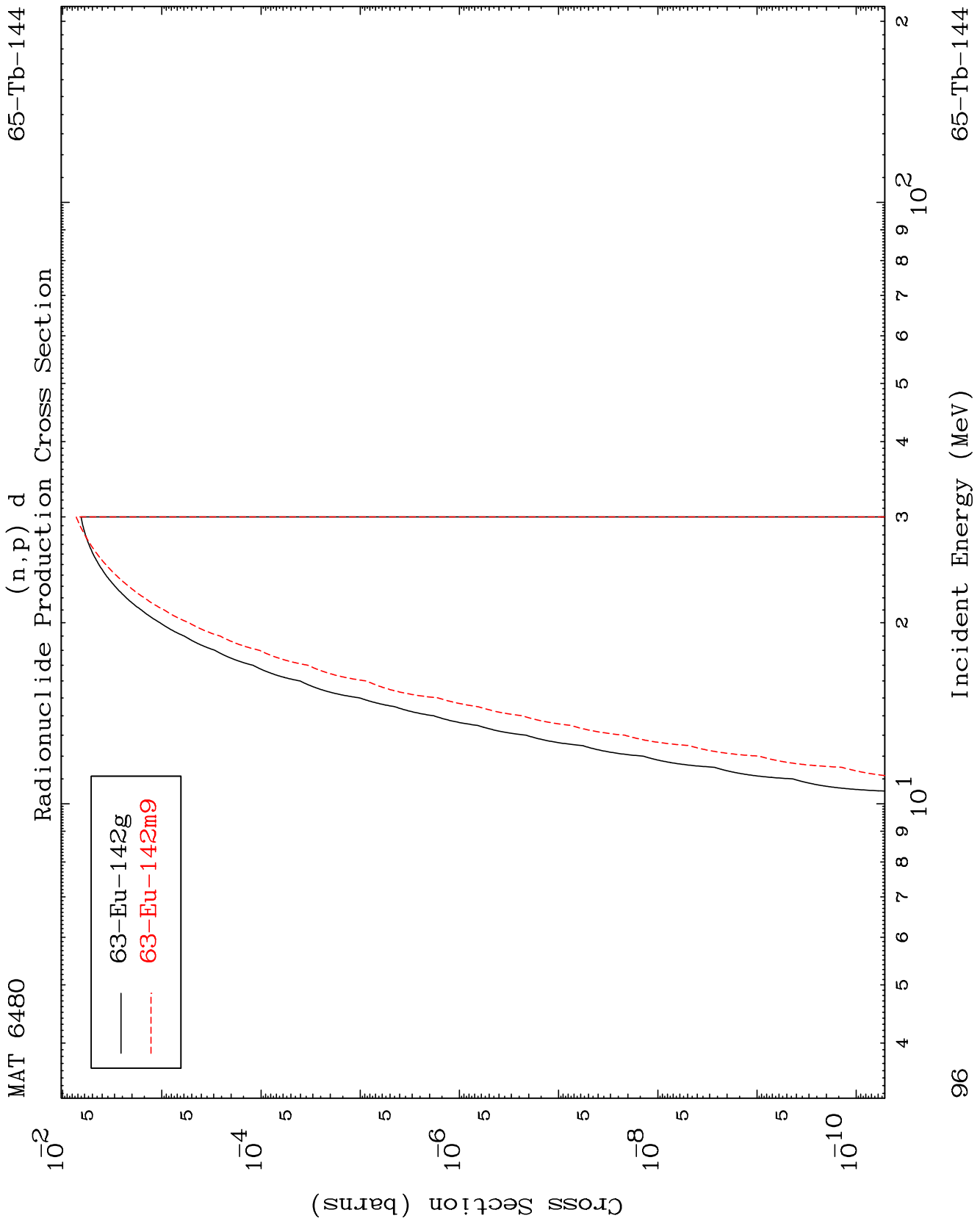
MAT 6480

(n,3 α)

65-Tb-144

Radionuclide Production Cross Section

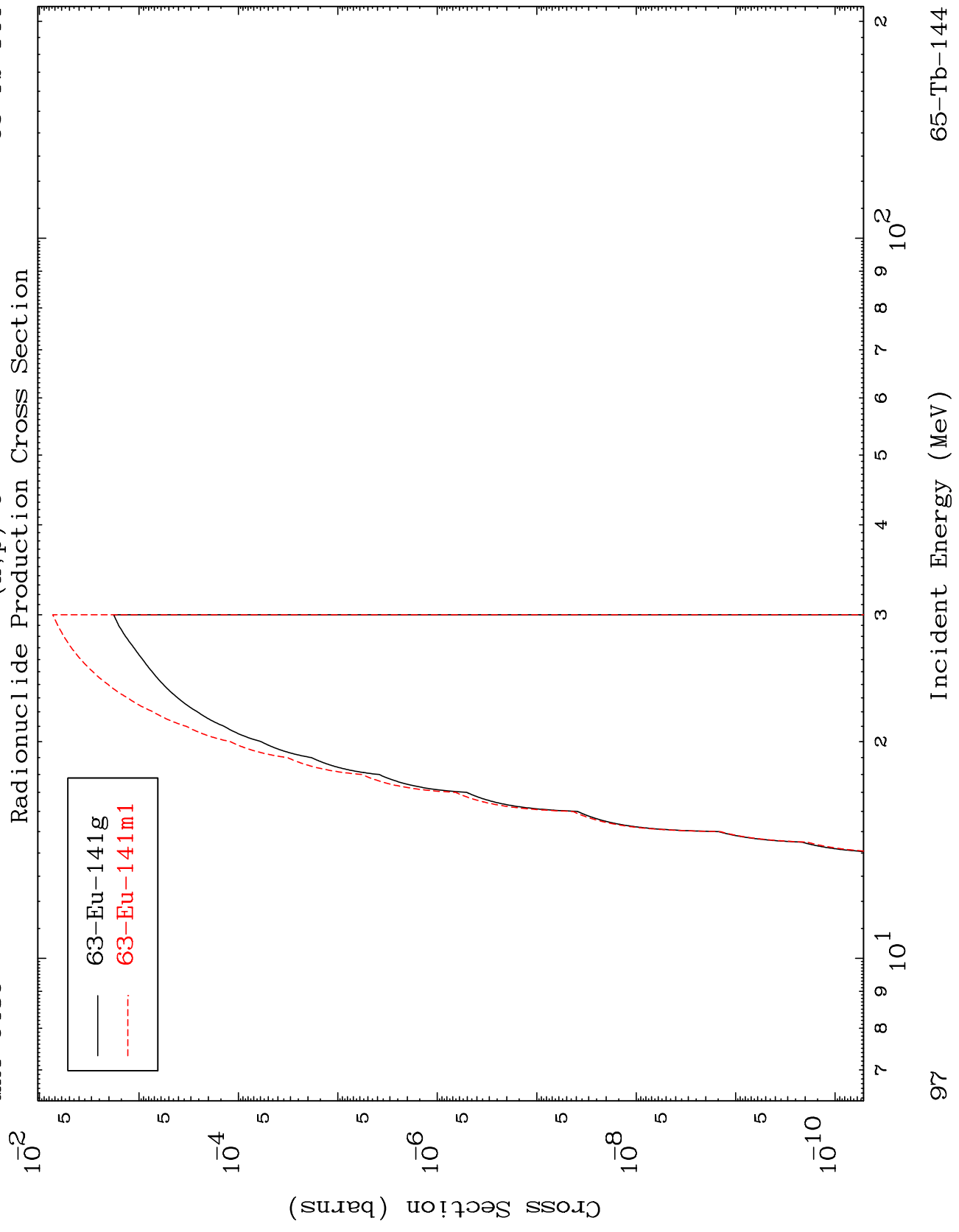




MAT 6480

(n,p) t

65-Tb-144

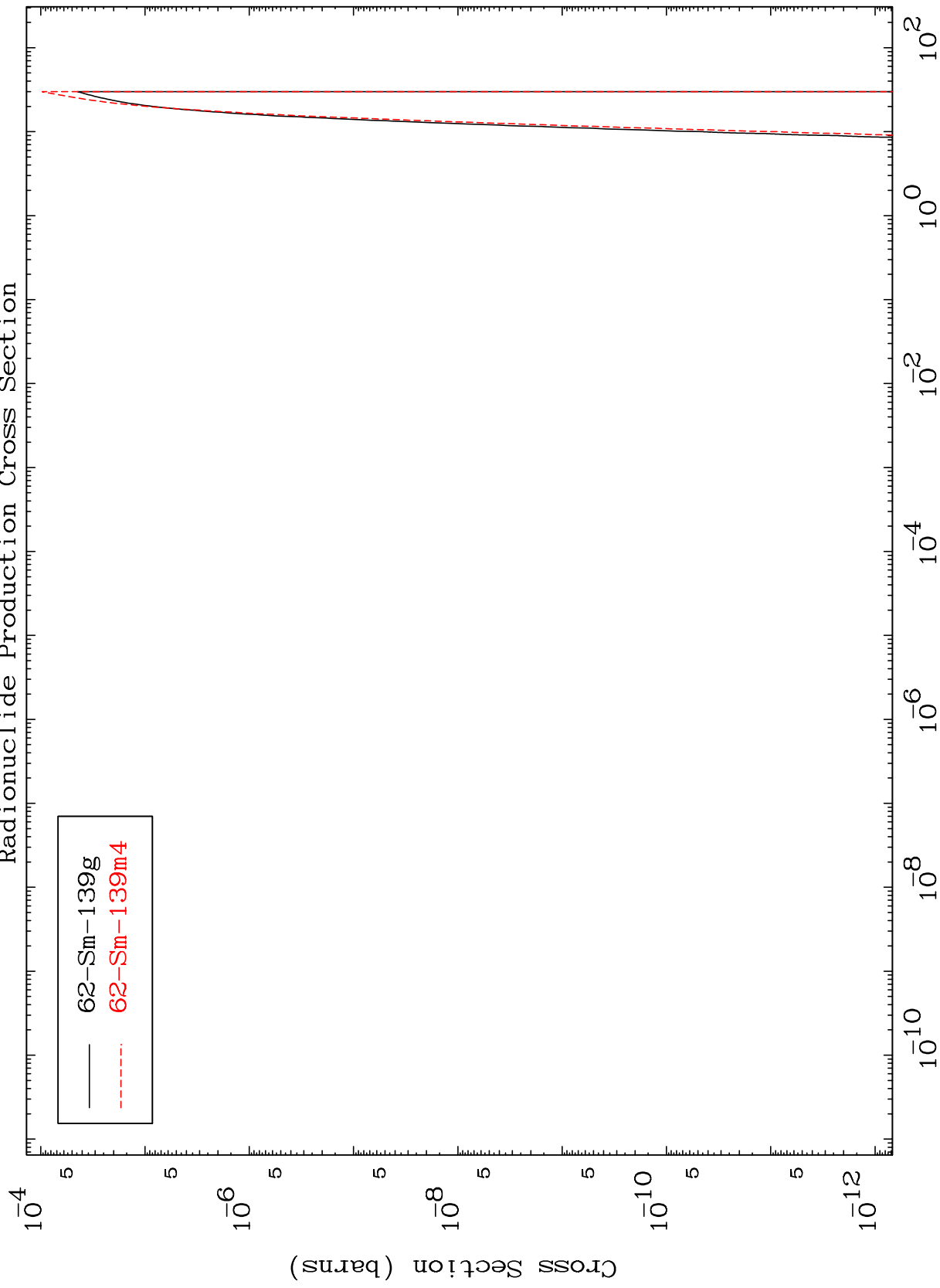


MAT 6480

(n,d) α

65-Tb-144

Radionuclide Production Cross Section



98

Incident Energy (MeV)

65-Tb-144