

Program EVALPLOT
(Version 2018-1)

by

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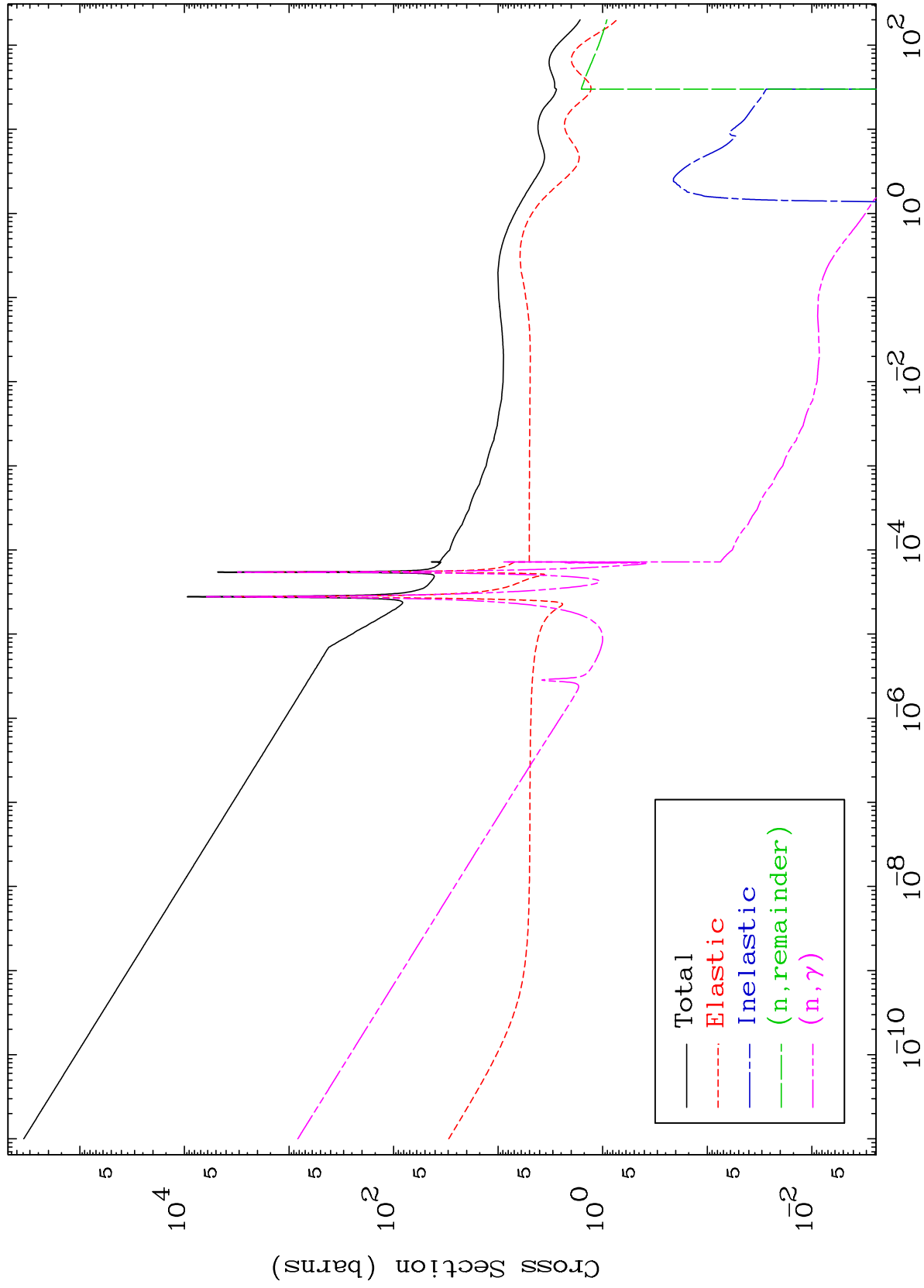
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4416

Major
293 Kelvin Cross Sections

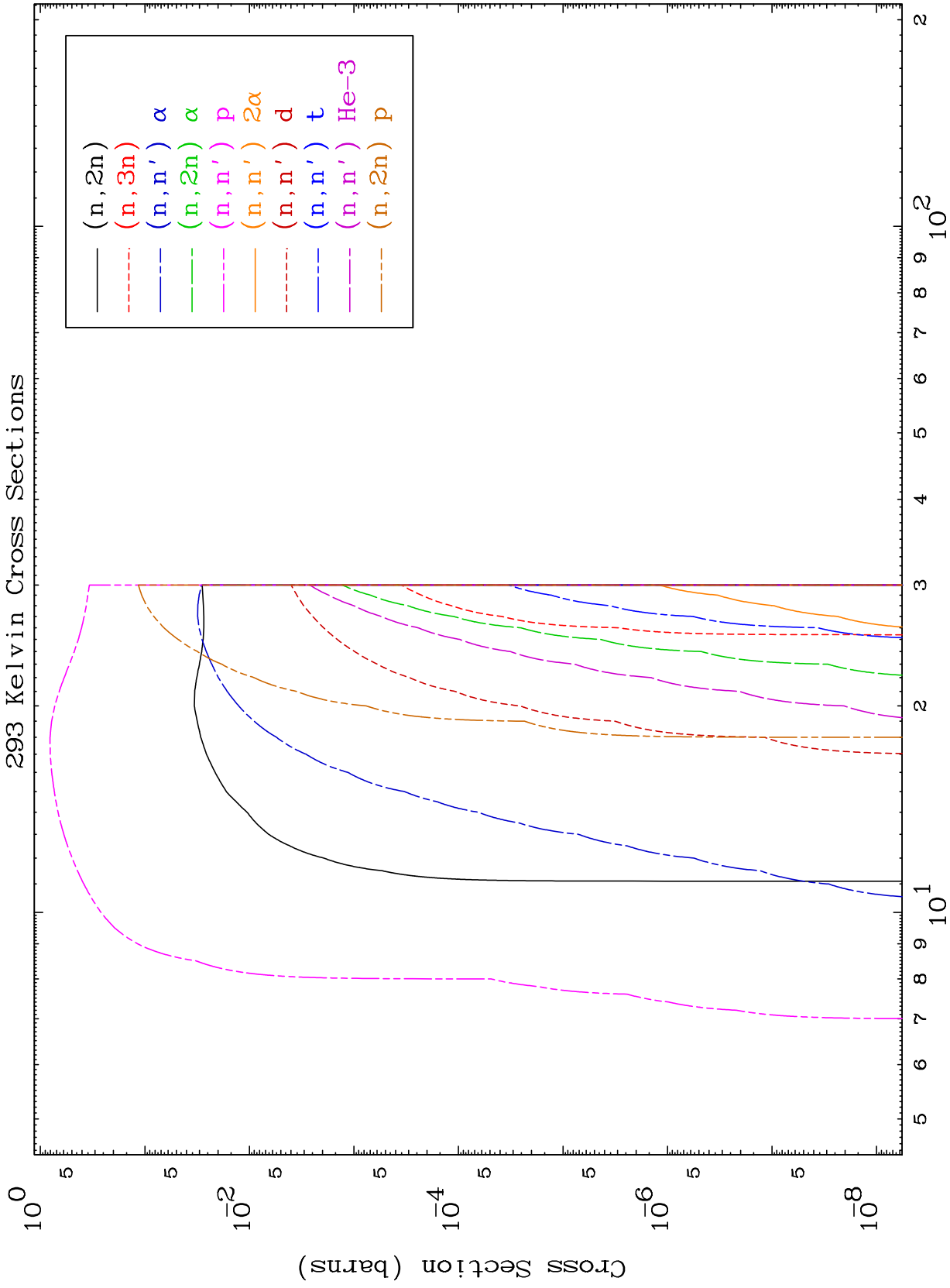
44-Ru-93



MAT 4416

Neutron Production
293 Kelvin Cross Sections

44-Ru-93



2

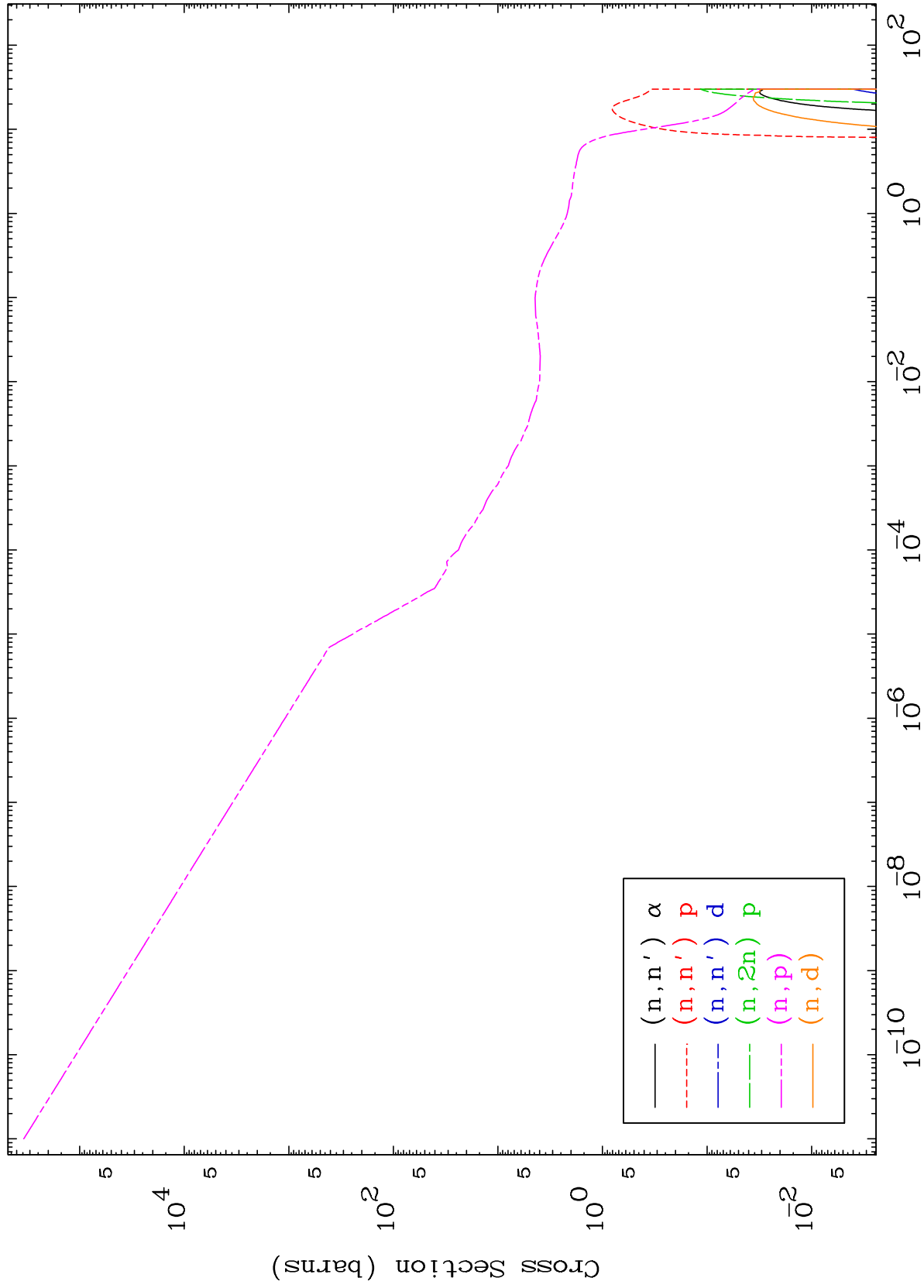
Incident Energy (MeV)

44-Ru-93

MAT 4416

Charged Particle
293 Kelvin Cross Sections

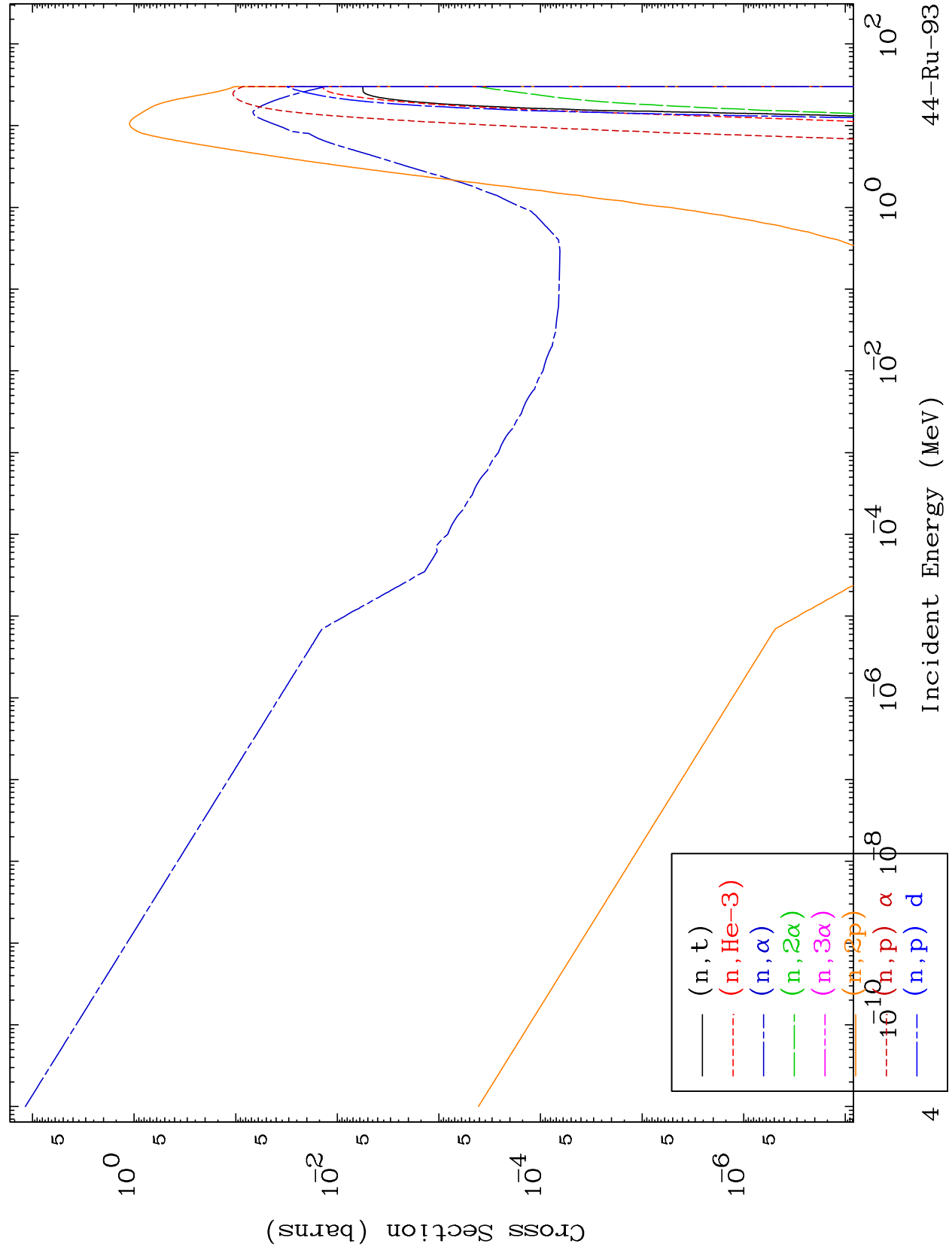
44-Ru-93

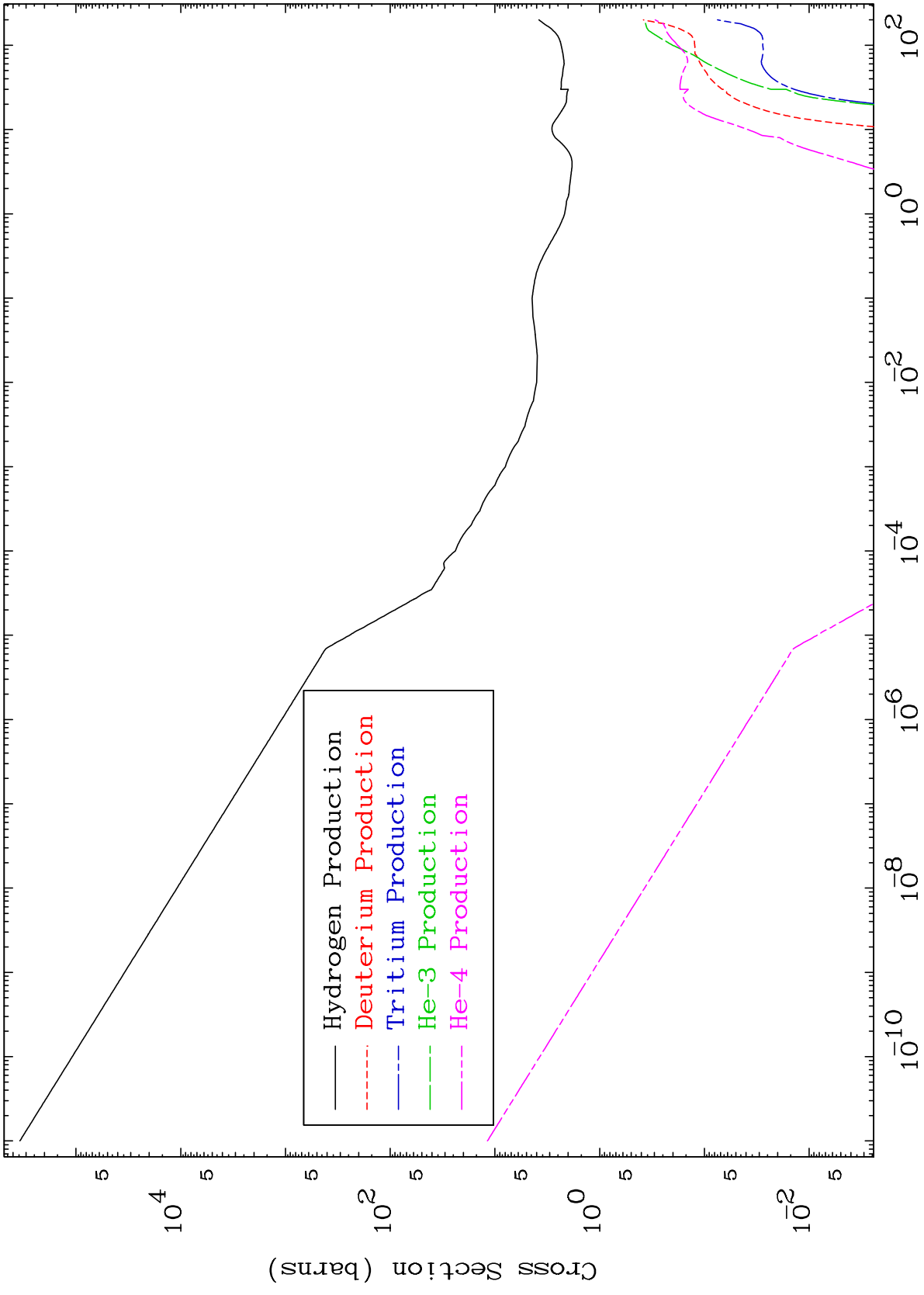


MAT 4416

Charged Particle
293 Kelvin Cross Sections

44-Ru-93



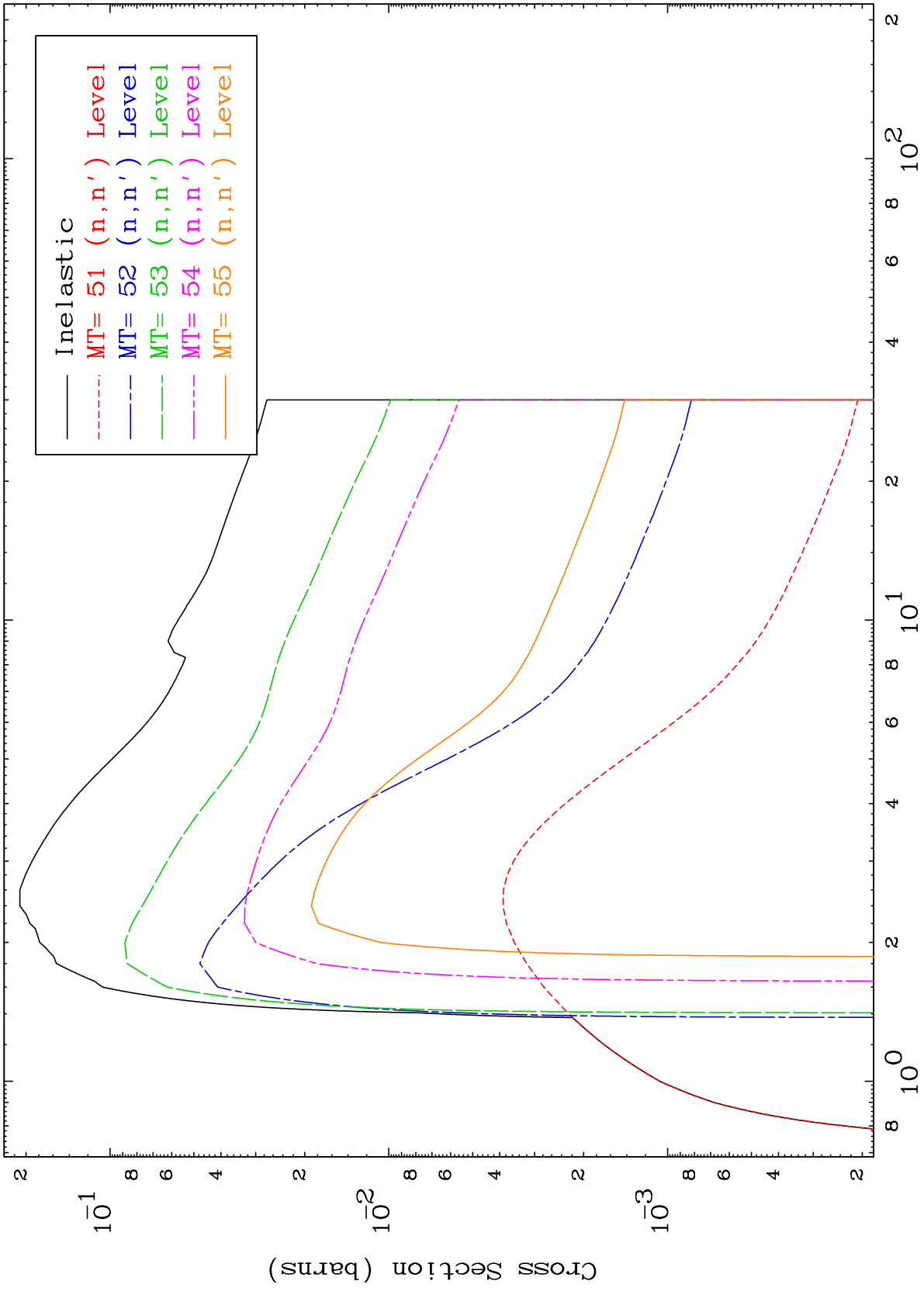


MAT 4416

(n,n') Level

44-Ru-93

293 Kelvin Cross Sections



6

Incident Energy (MeV)

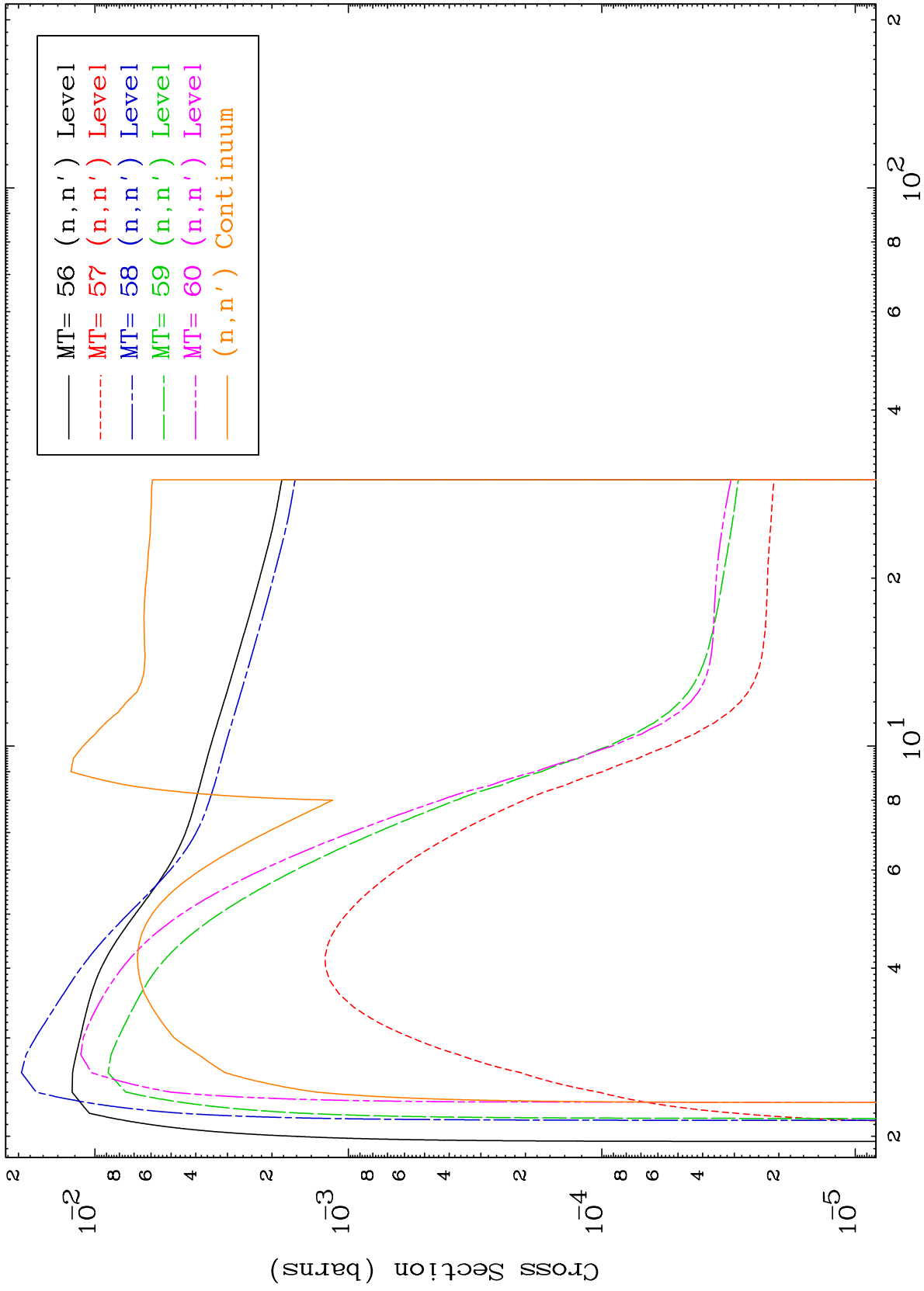
44-Ru-93

MAT 4416

(n,n') Level

44-Ru-93

293 Kelvin Cross Sections



7

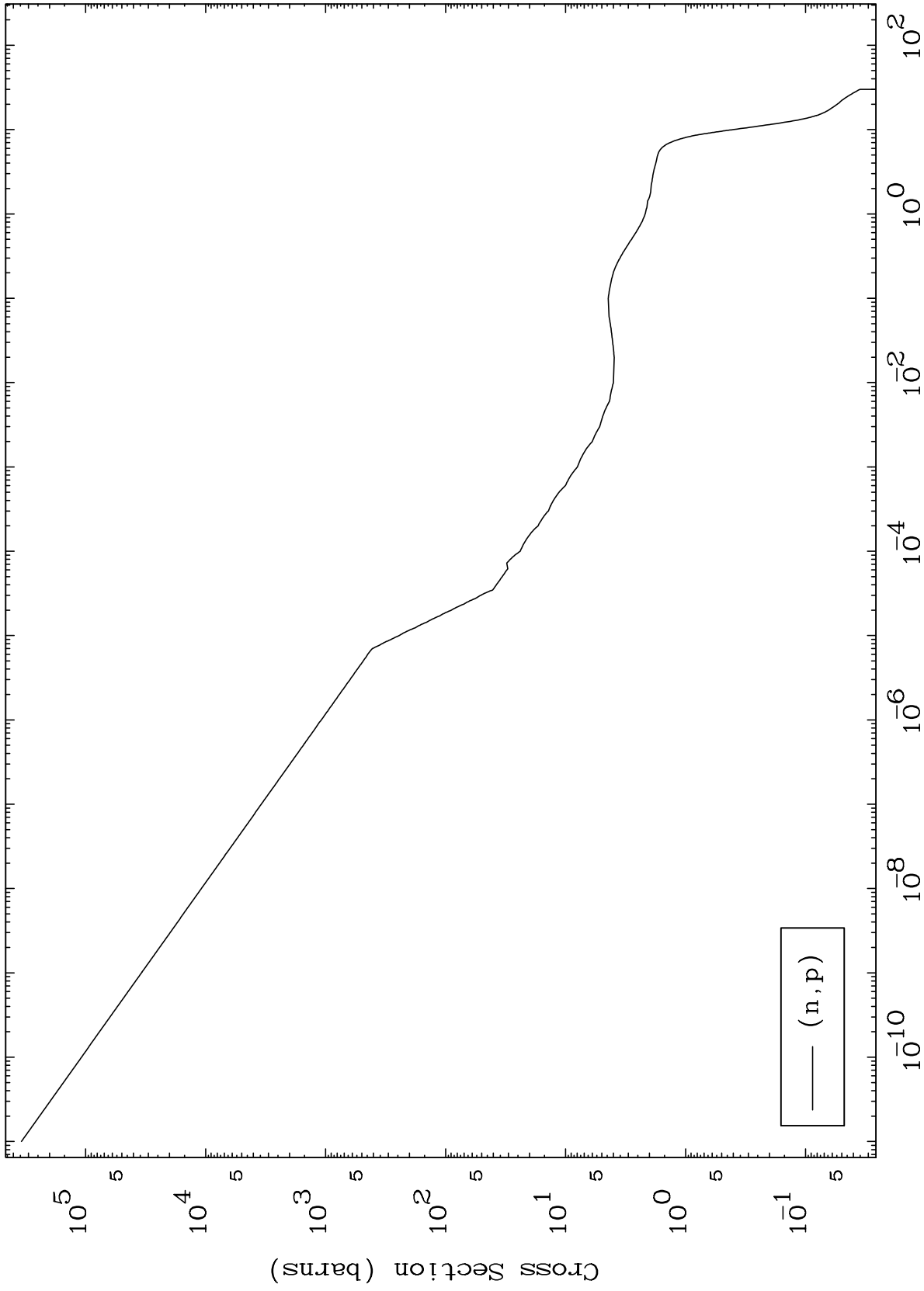
Incident Energy (MeV)

44-Ru-93

MAT 4416

(n,p) Levels
293 Kelvin Cross Sections

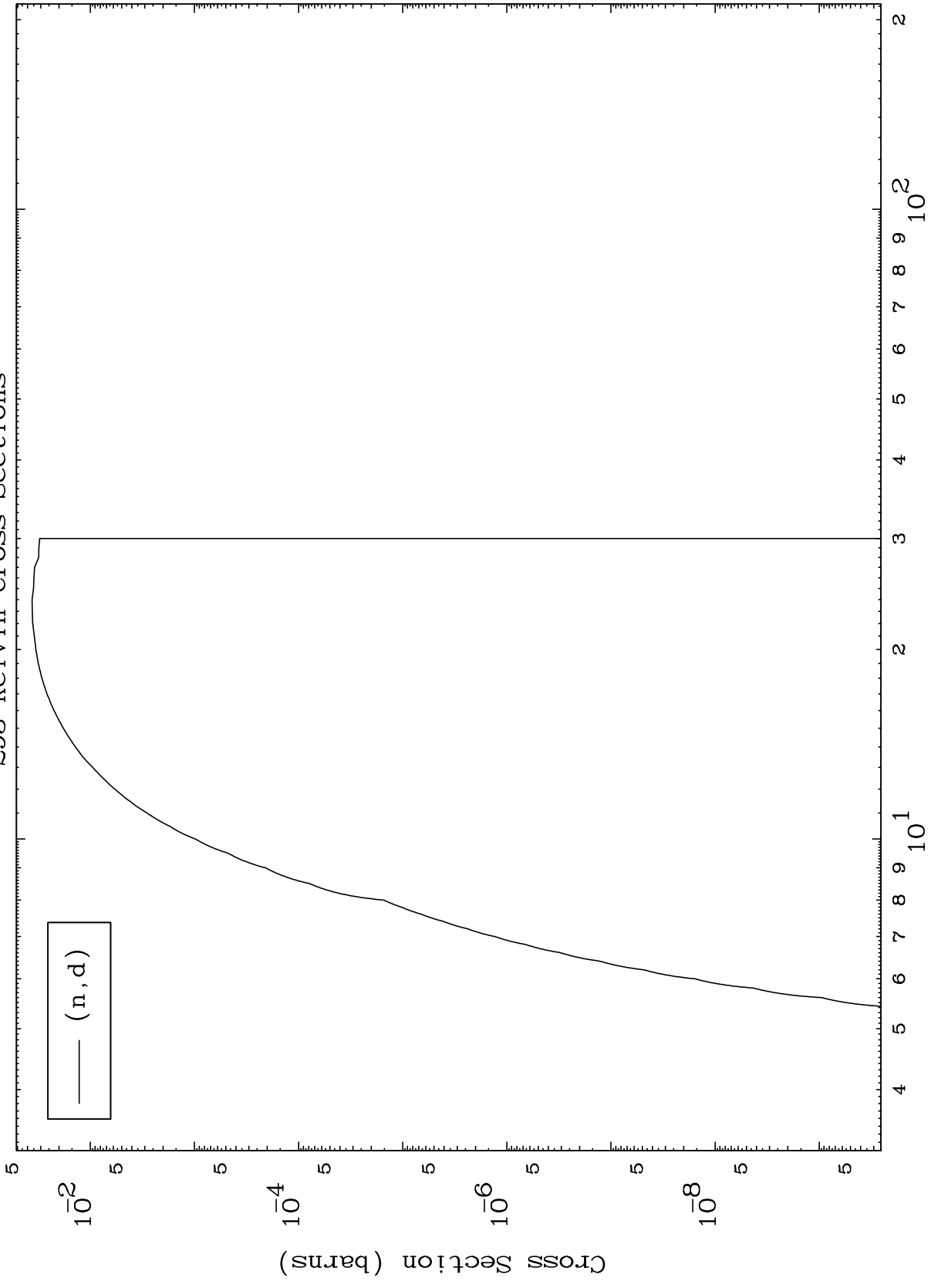
44-Ru-93



MAT 4416

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-93

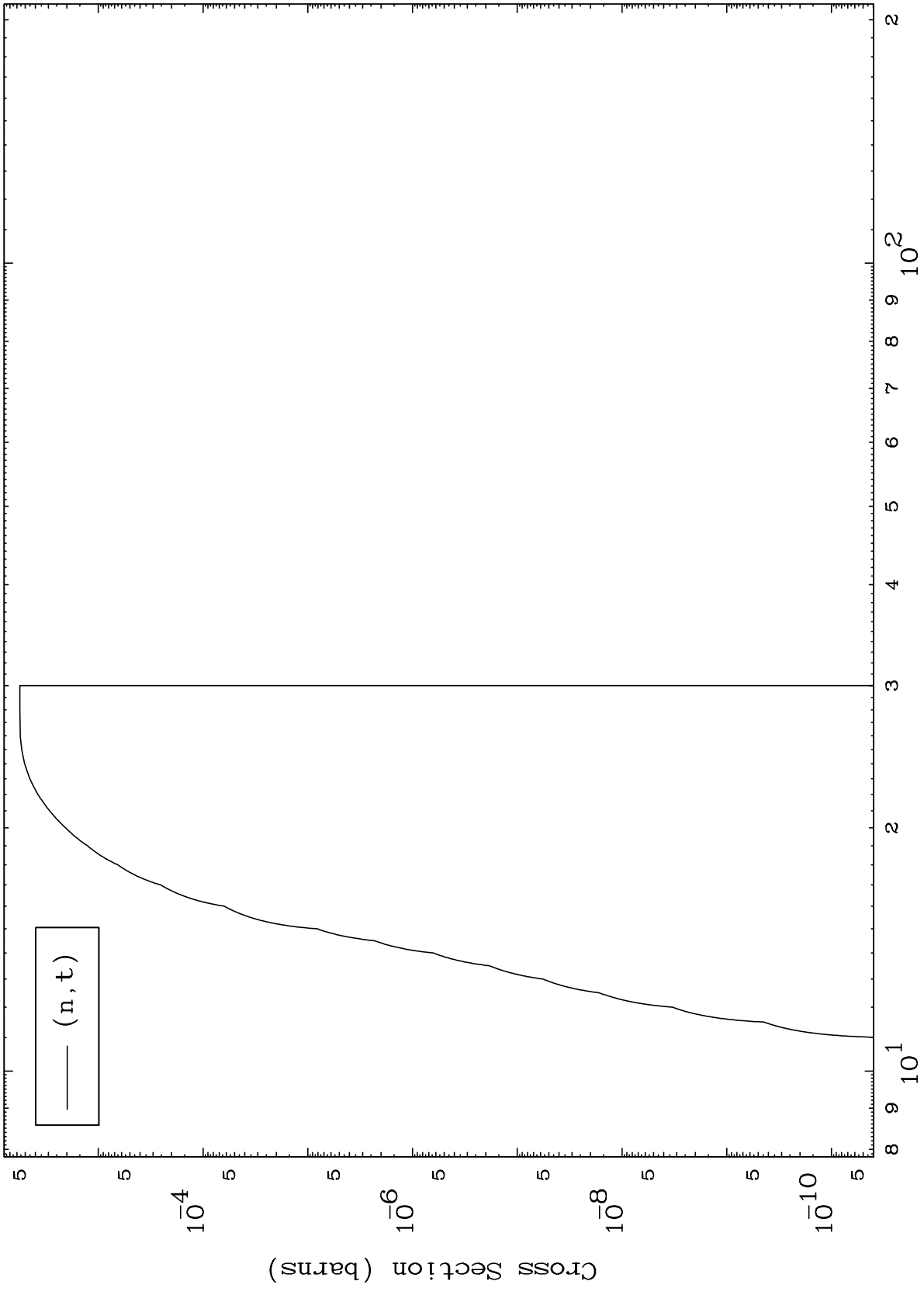


(n,d)

MAT 4416

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-93



10

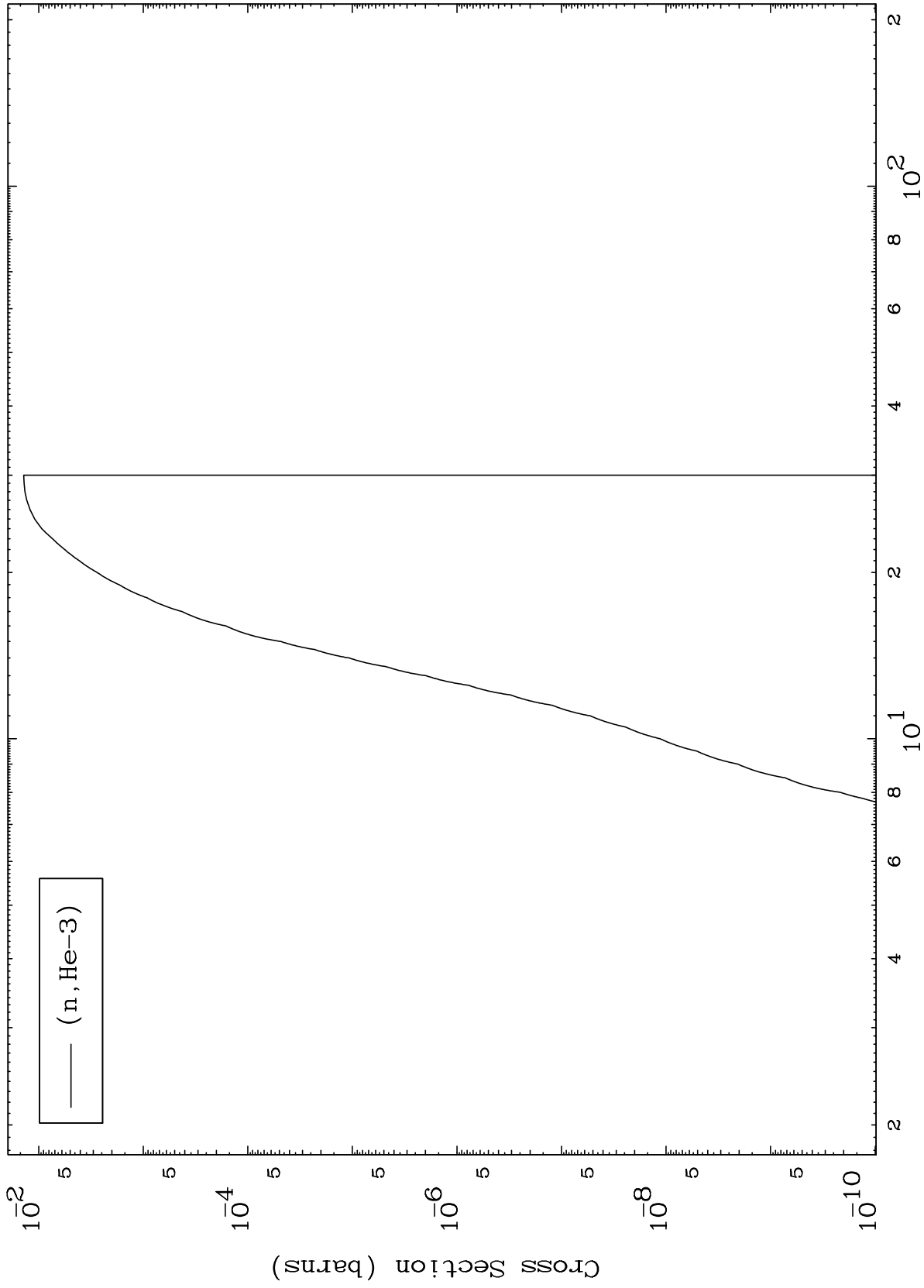
Incident Energy (MeV)

44-Ru-93

MAT 4416

(n,He3) Levels
293 Kelvin Cross Sections

44-Ru-93



(n, He-3)

11

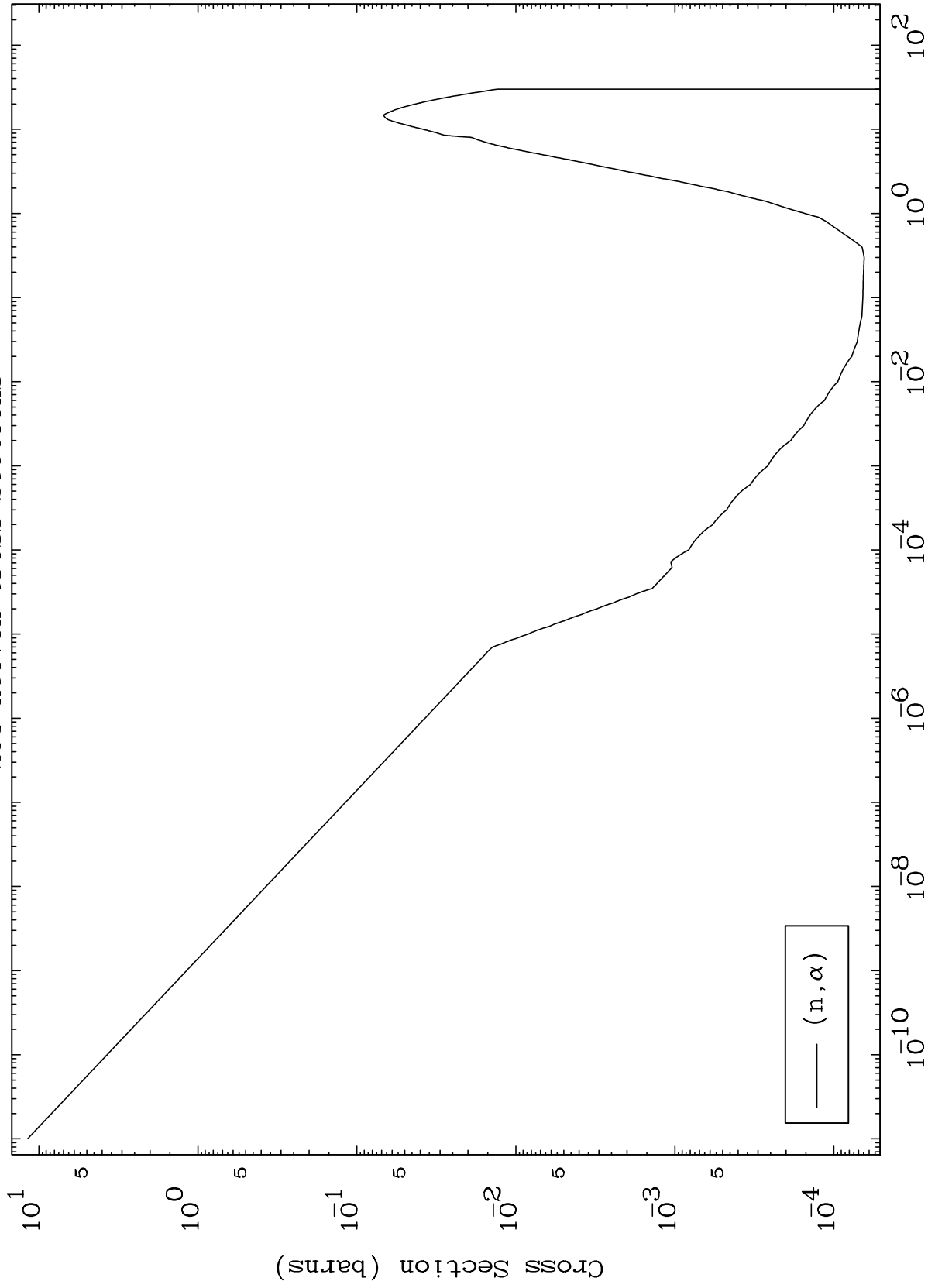
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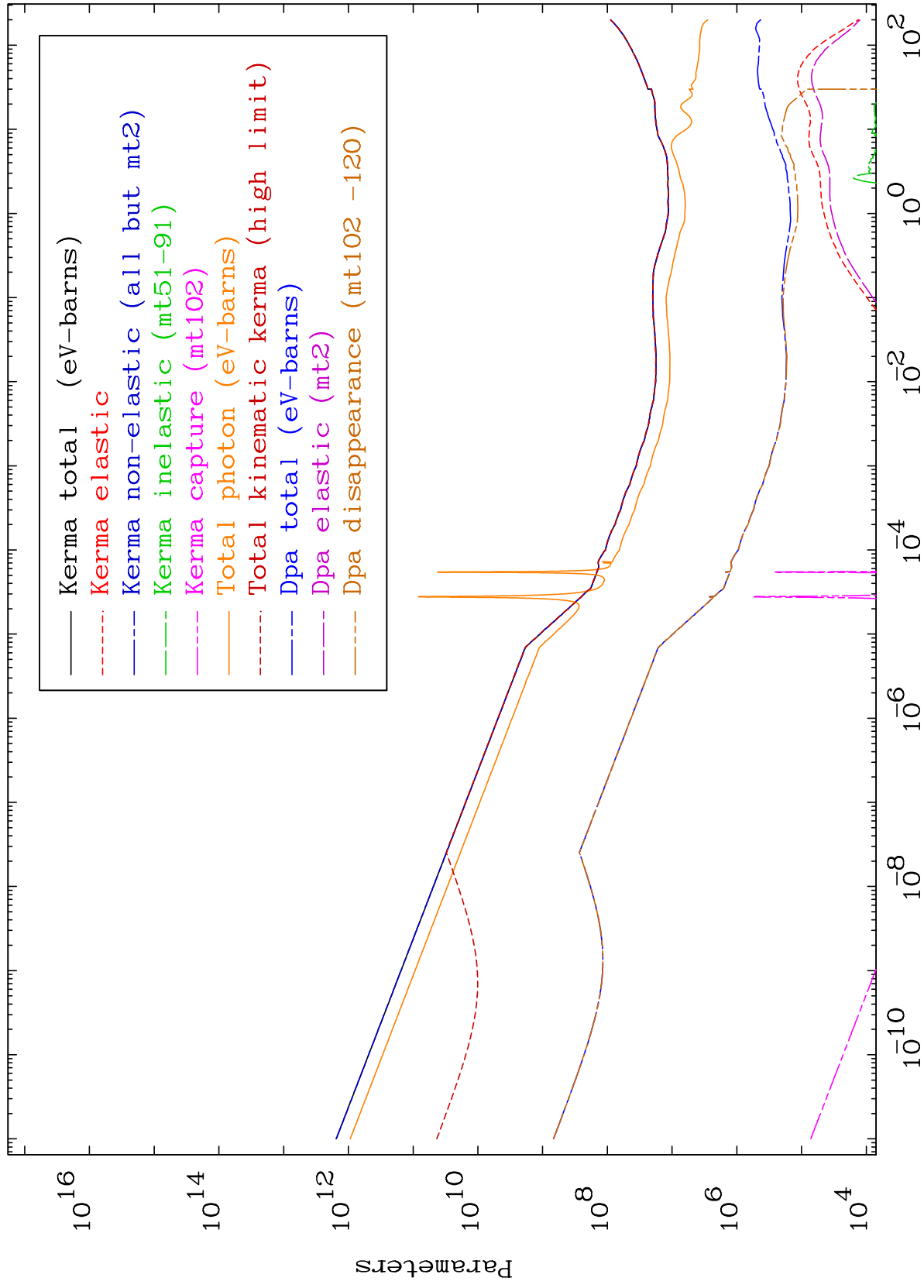
MAT 4416

(n, α) Levels
293 Kelvin Cross Sections

44-Ru-93



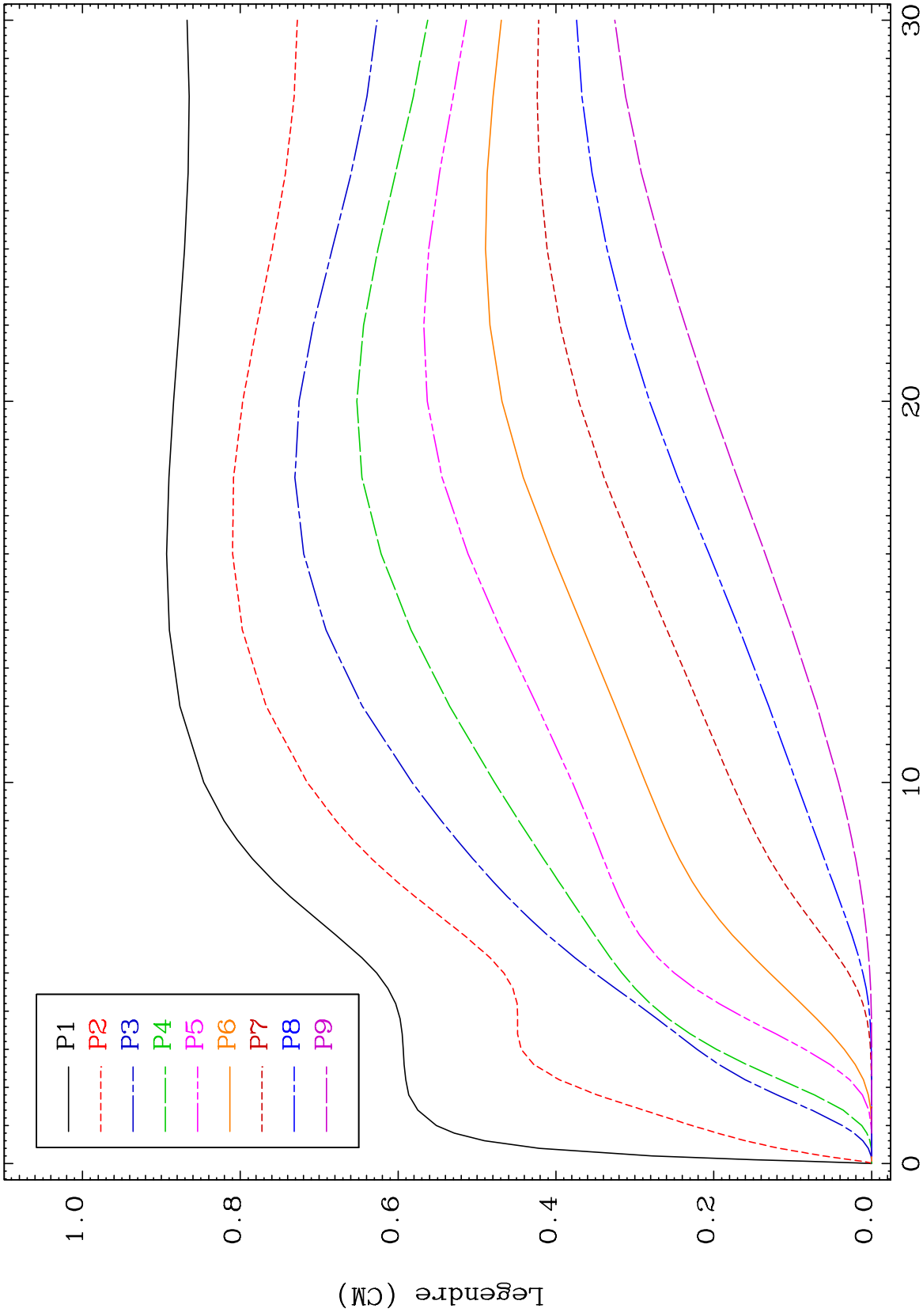
— (n, α)



MAT 4416

Elastic Legendre Coefficients

44-Ru-93



14

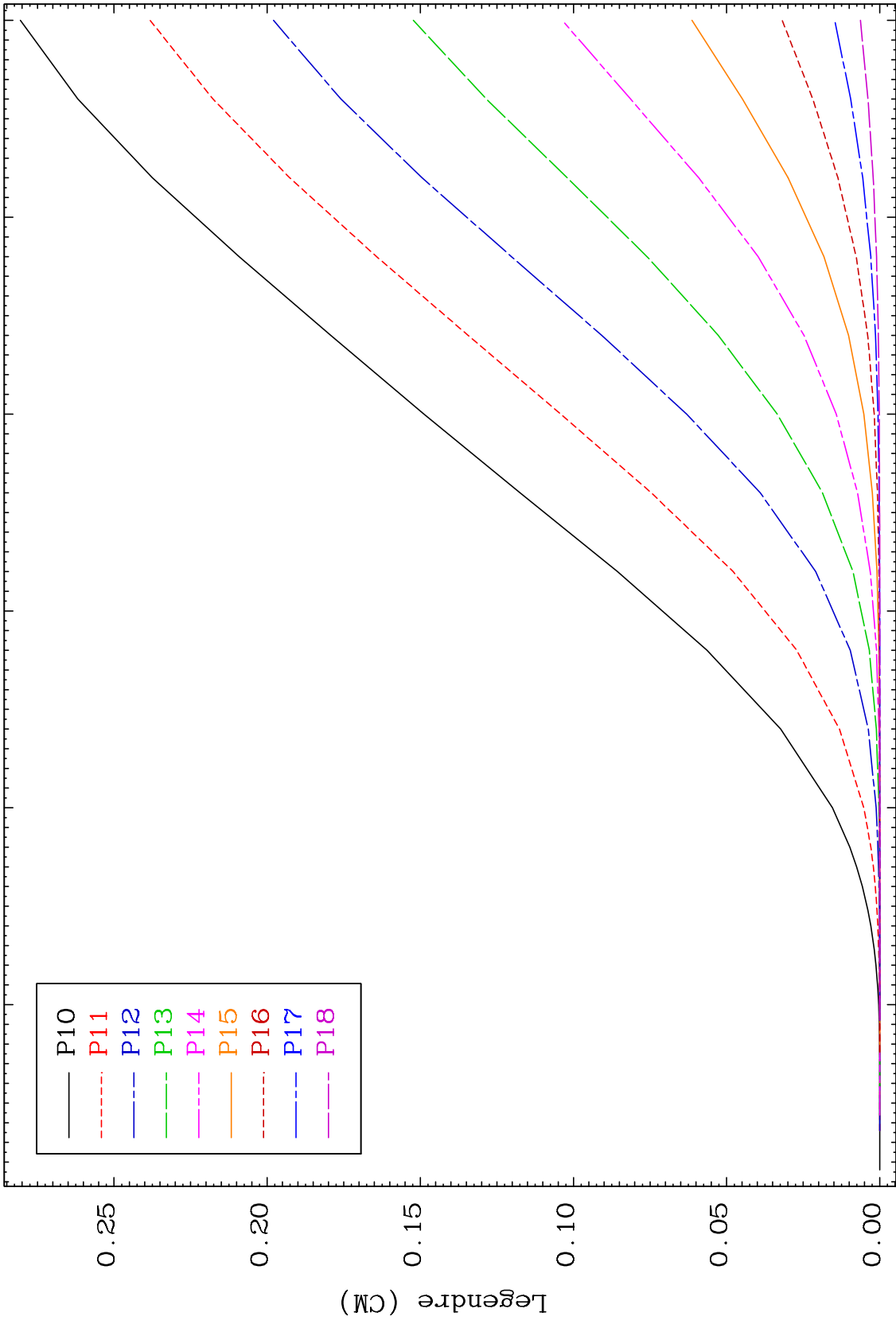
Incident Energy (MeV)

44-Ru-93

MAT 4416

Elastic Legendre Coefficients

44-Ru-93



15

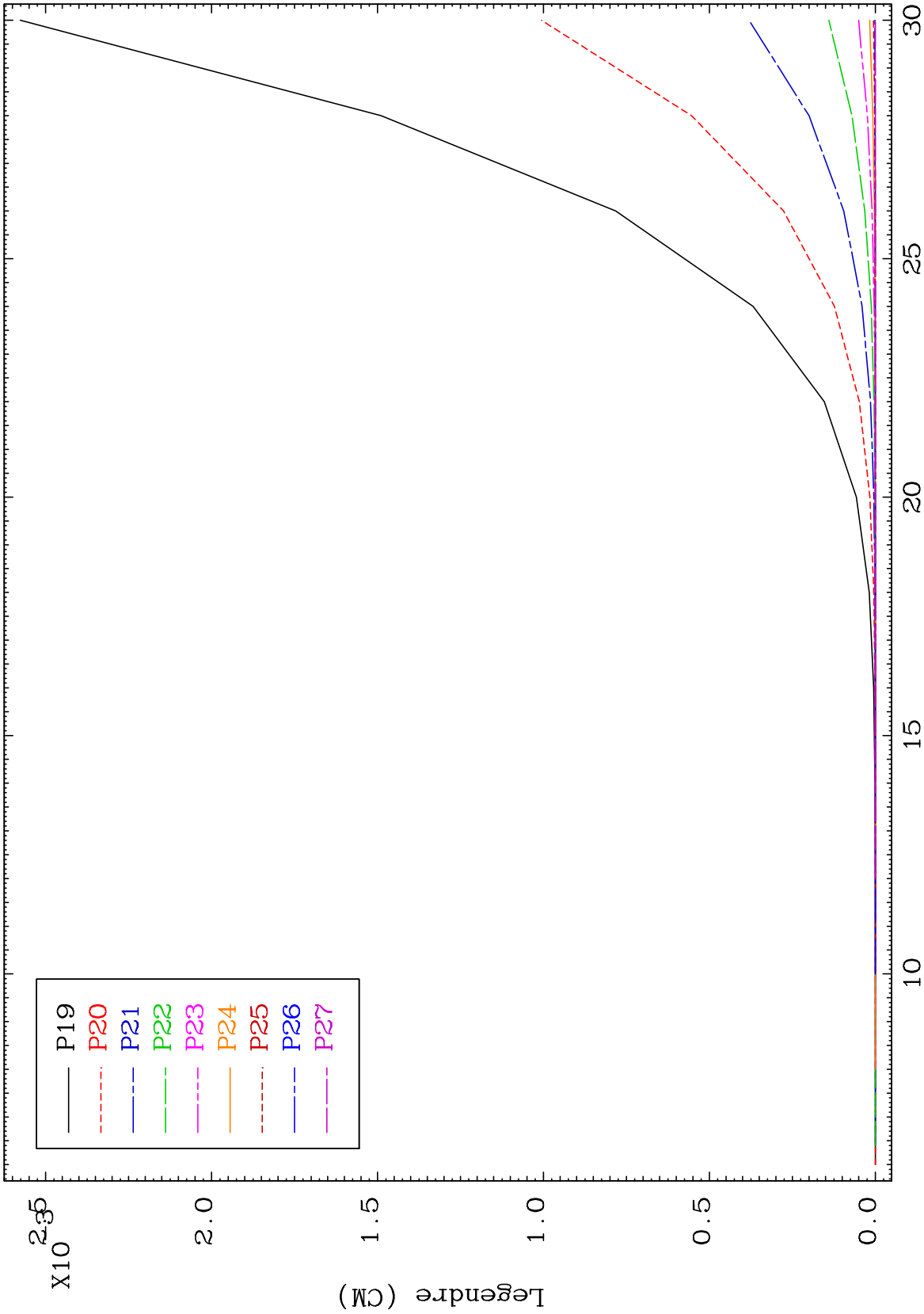
Incident Energy (MeV)

44-Ru-93

MAT 4416

Elastic Legendre Coefficients

44-Ru-93



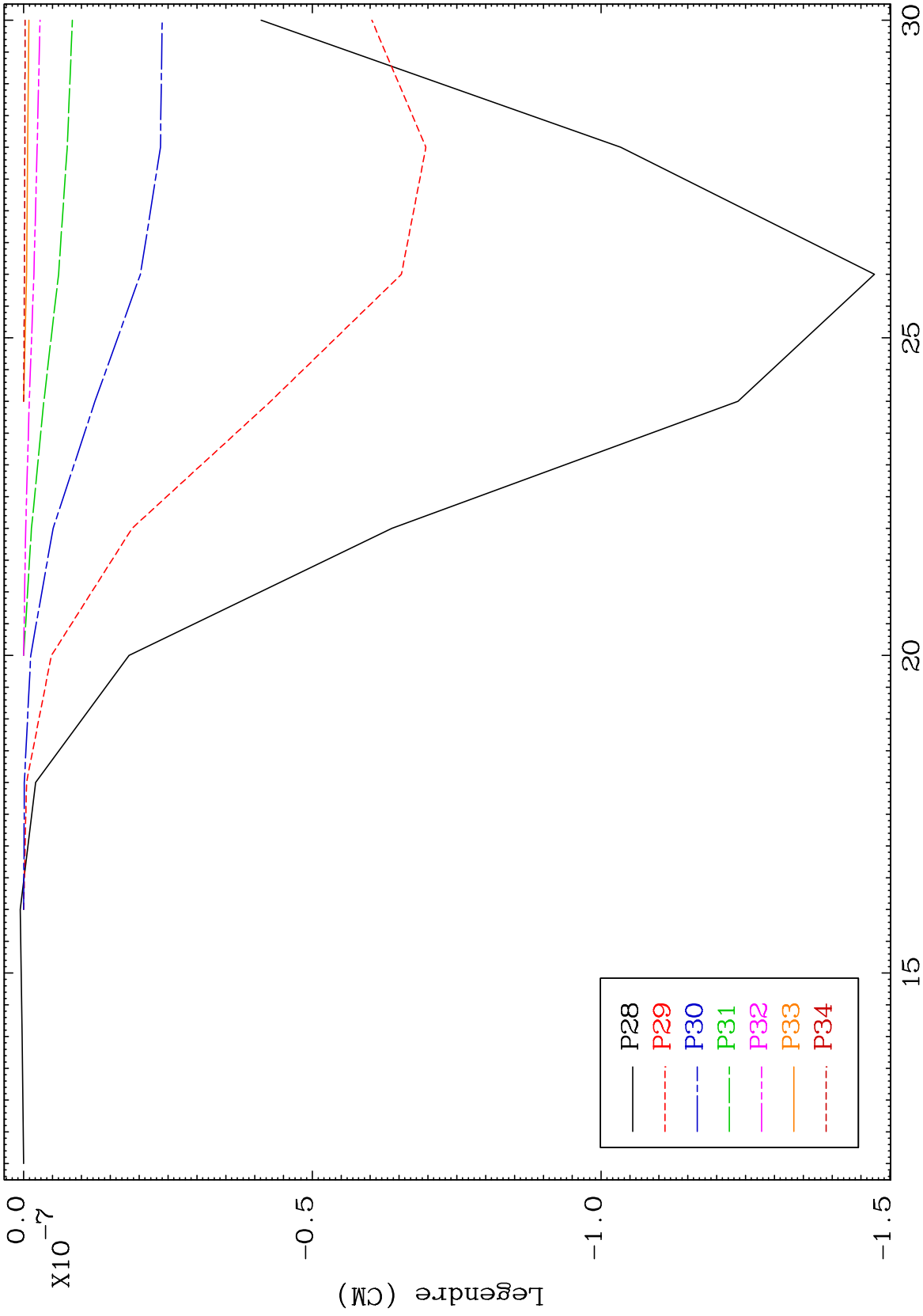
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44-Ru-93

MAT 4416

44-Ru-93

Elastic Legendre Coefficients

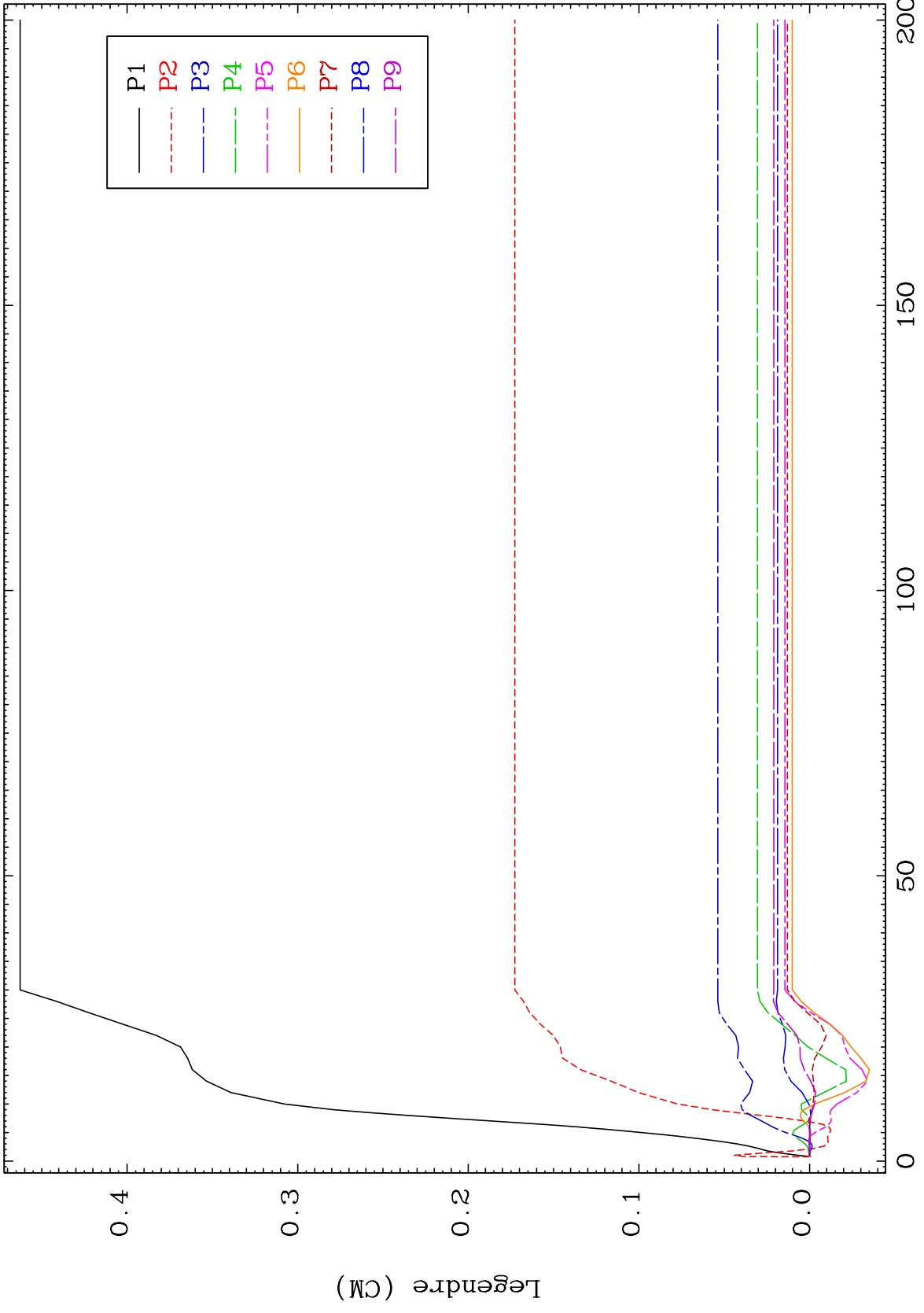


17

Incident Energy (MeV)

44-Ru-93

MAT 4416 MT= 51 (n,n') Level Legendre Coefficients 44-Ru-93

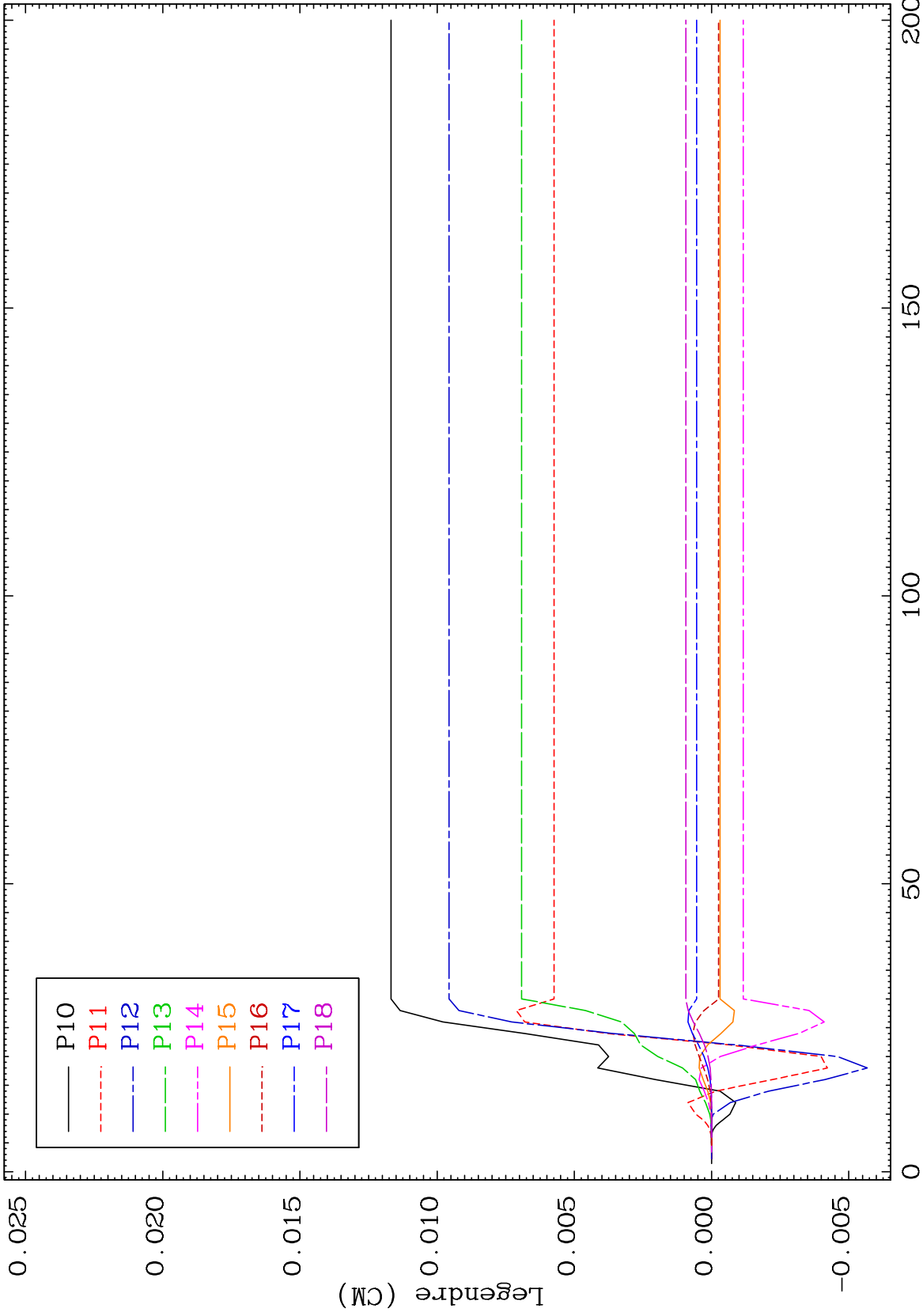


18 44-Ru-93

MAT 4416

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

44-Ru-93



19

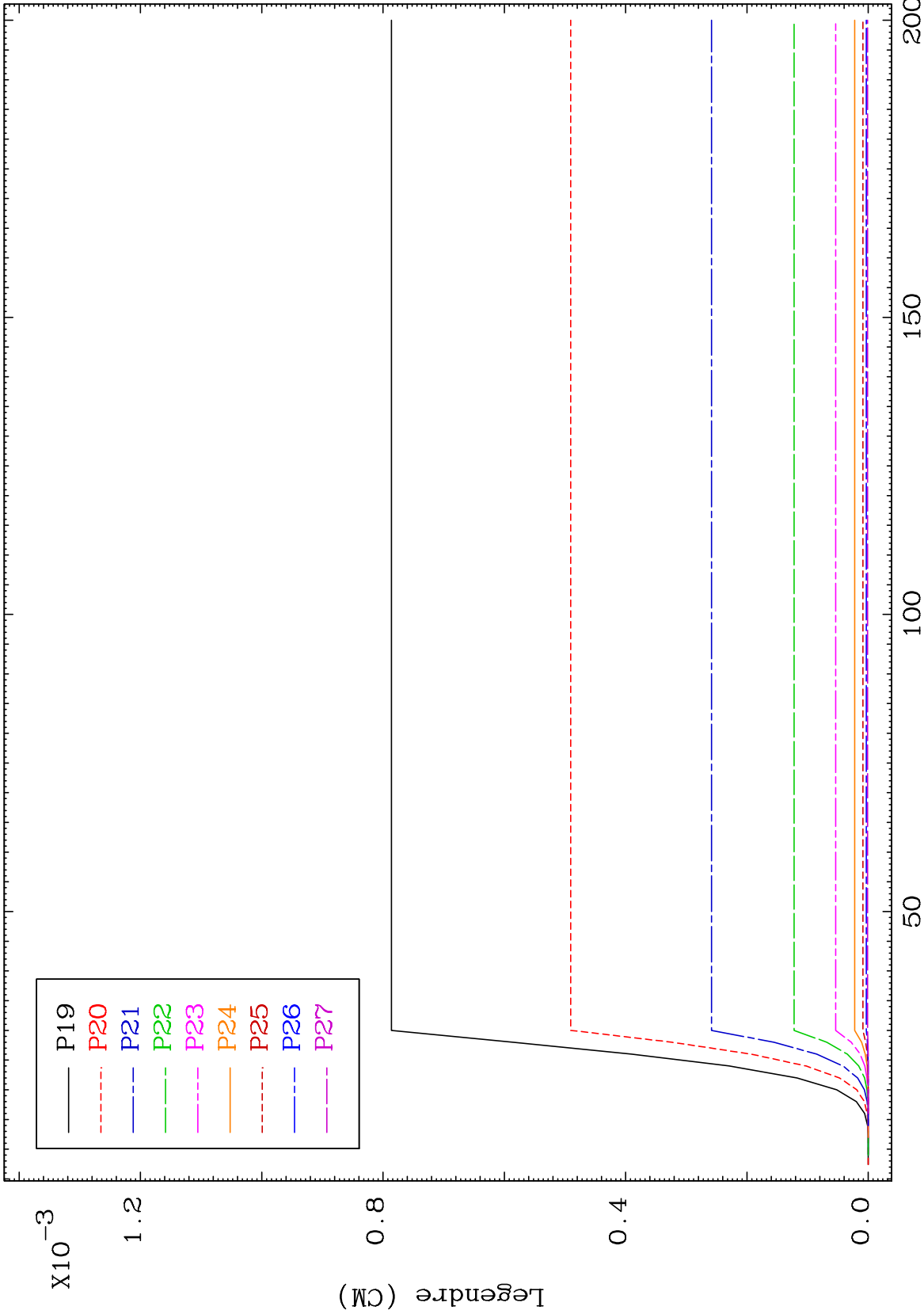
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



20

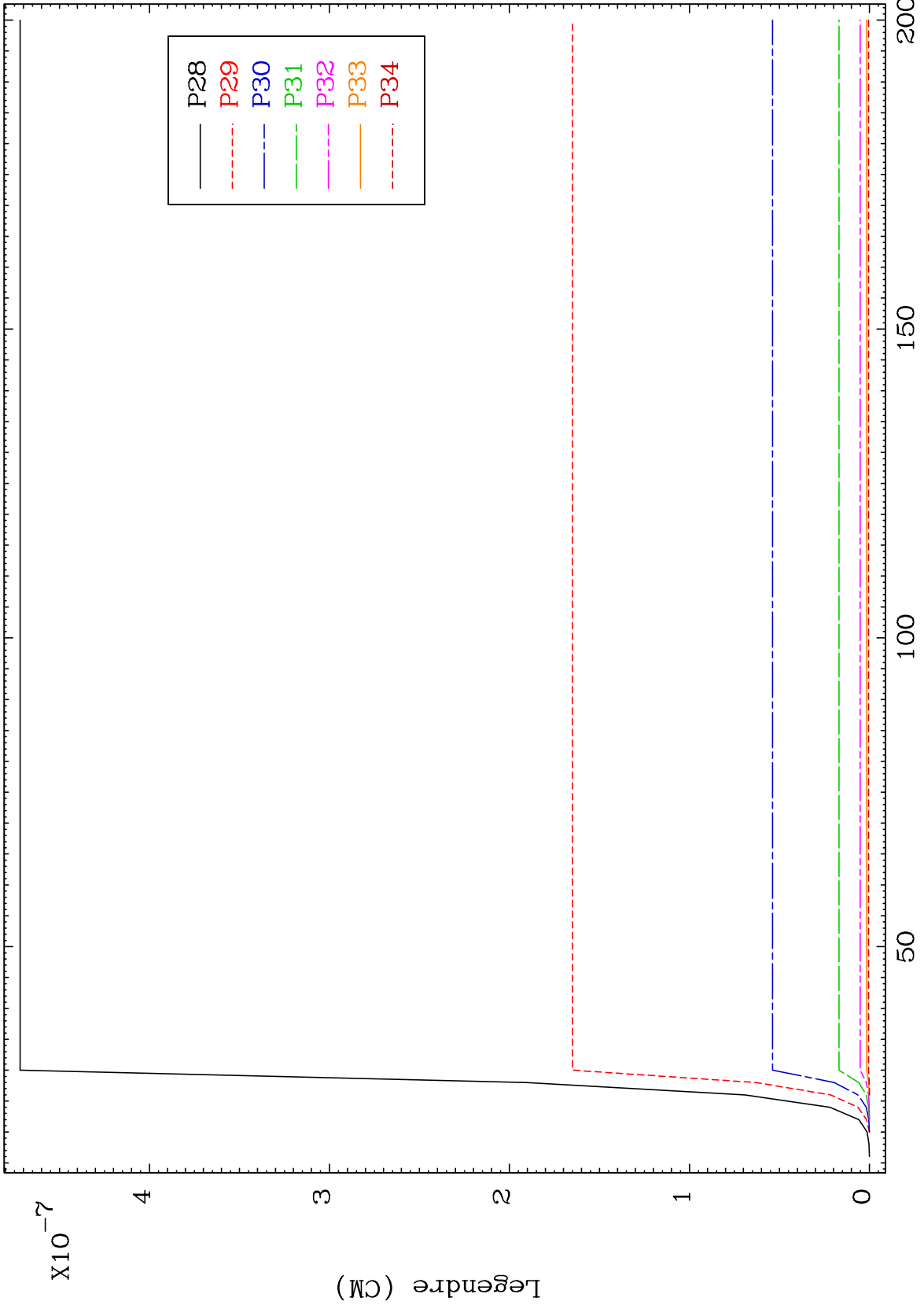
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



21

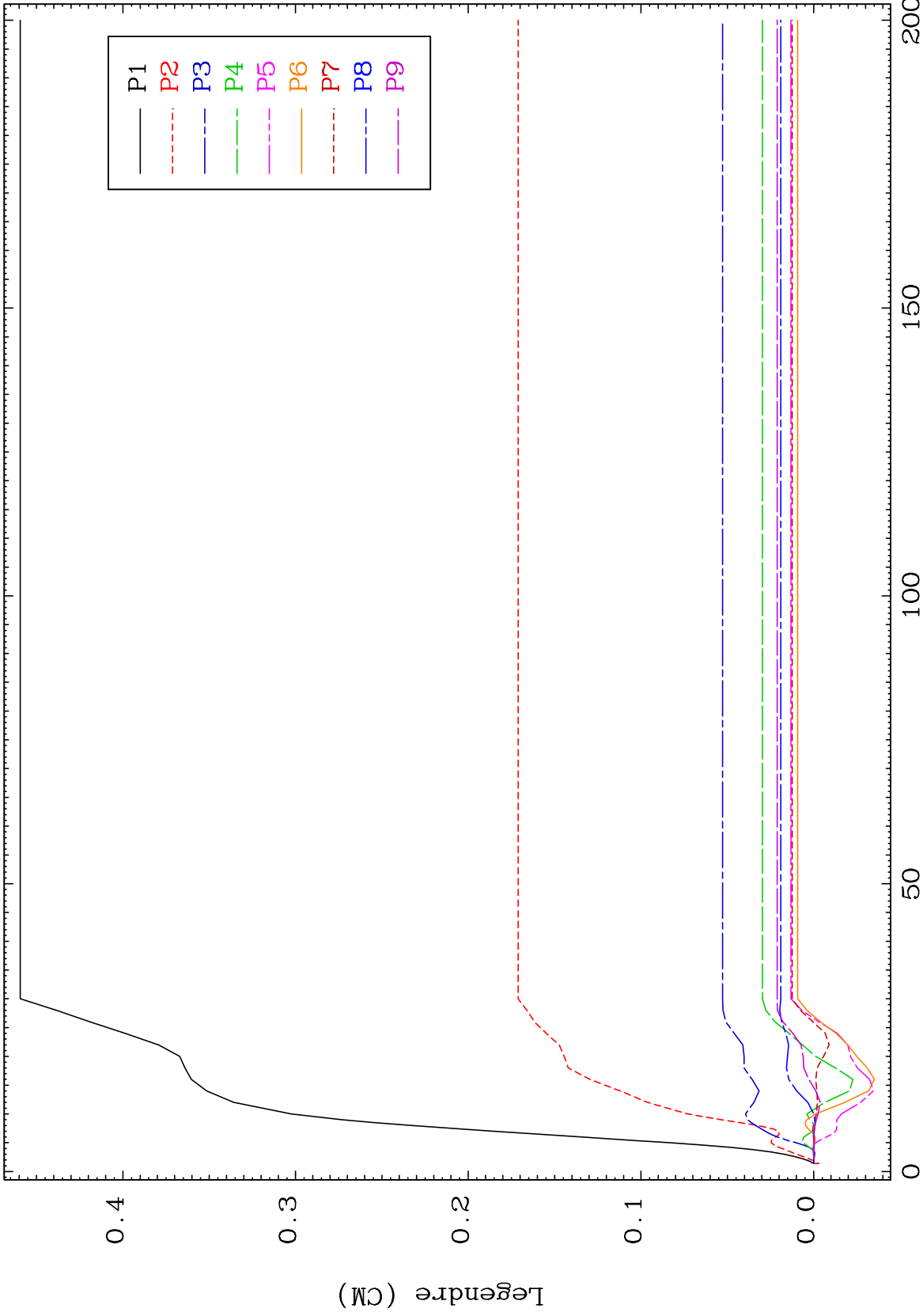
Incident Energy (MeV)

44-Ru-93

MAT 4416

MT= 52 (n,n') Level
Legendre Coefficients

44-Ru-93



22

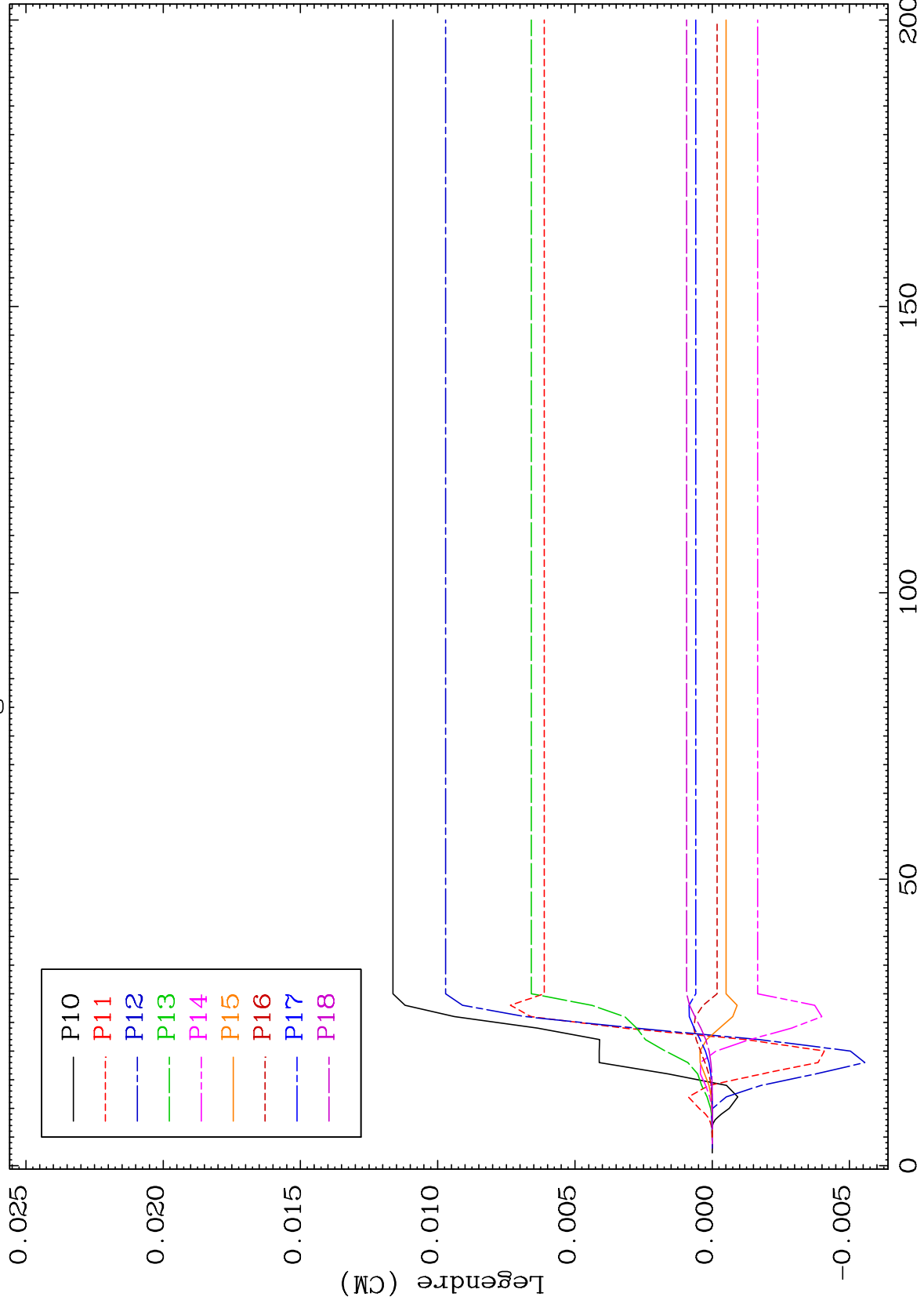
Incident Energy (MeV)

44-Ru-93

MAT 4416

MT= 52 (n,n') Level
Legendre Coefficients

44-Ru-93



23

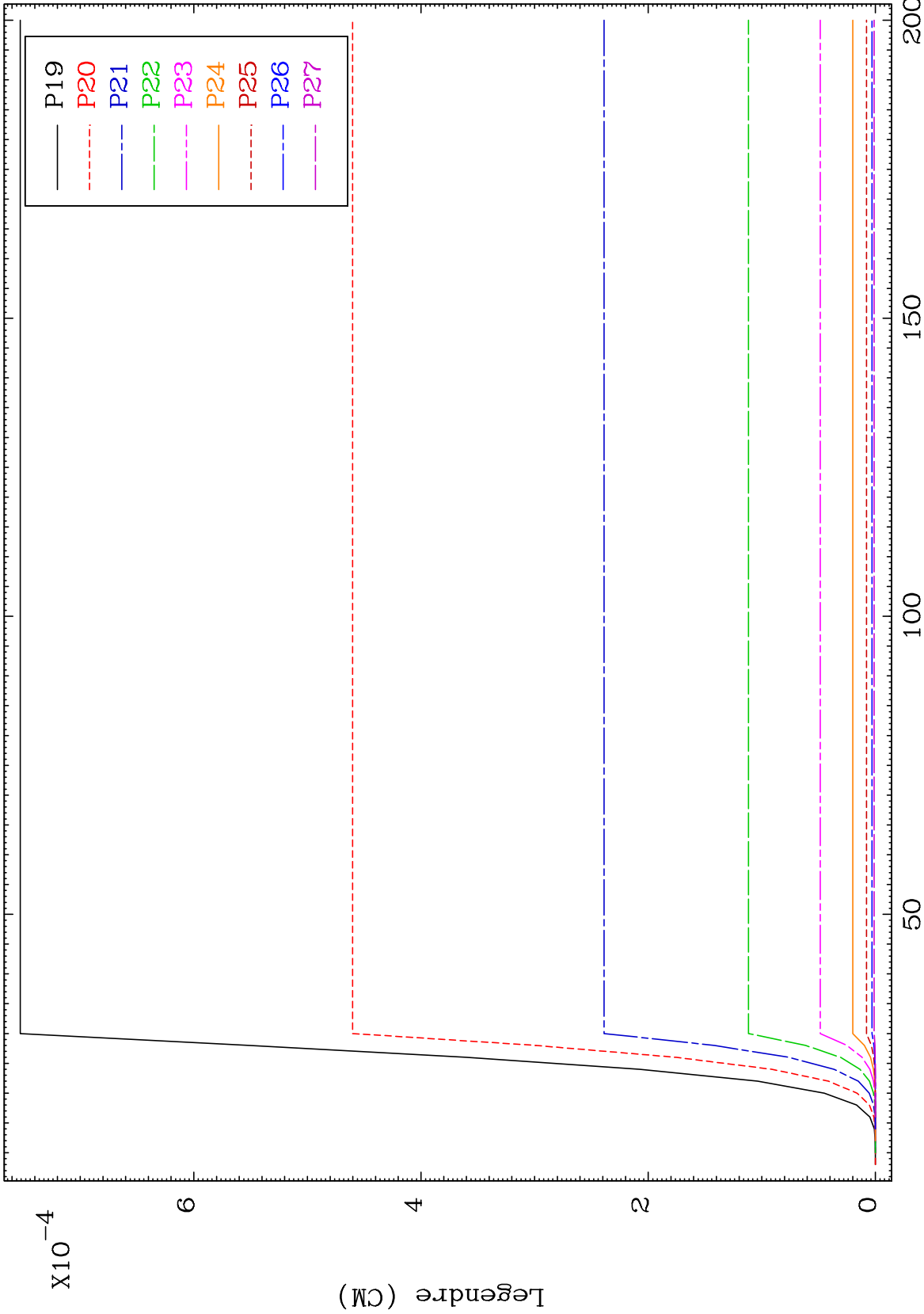
Incident Energy (MeV)

44-Ru-93

MAT 4416

MT= 52 (n,n') Level
Legendre Coefficients

44-Ru-93



24

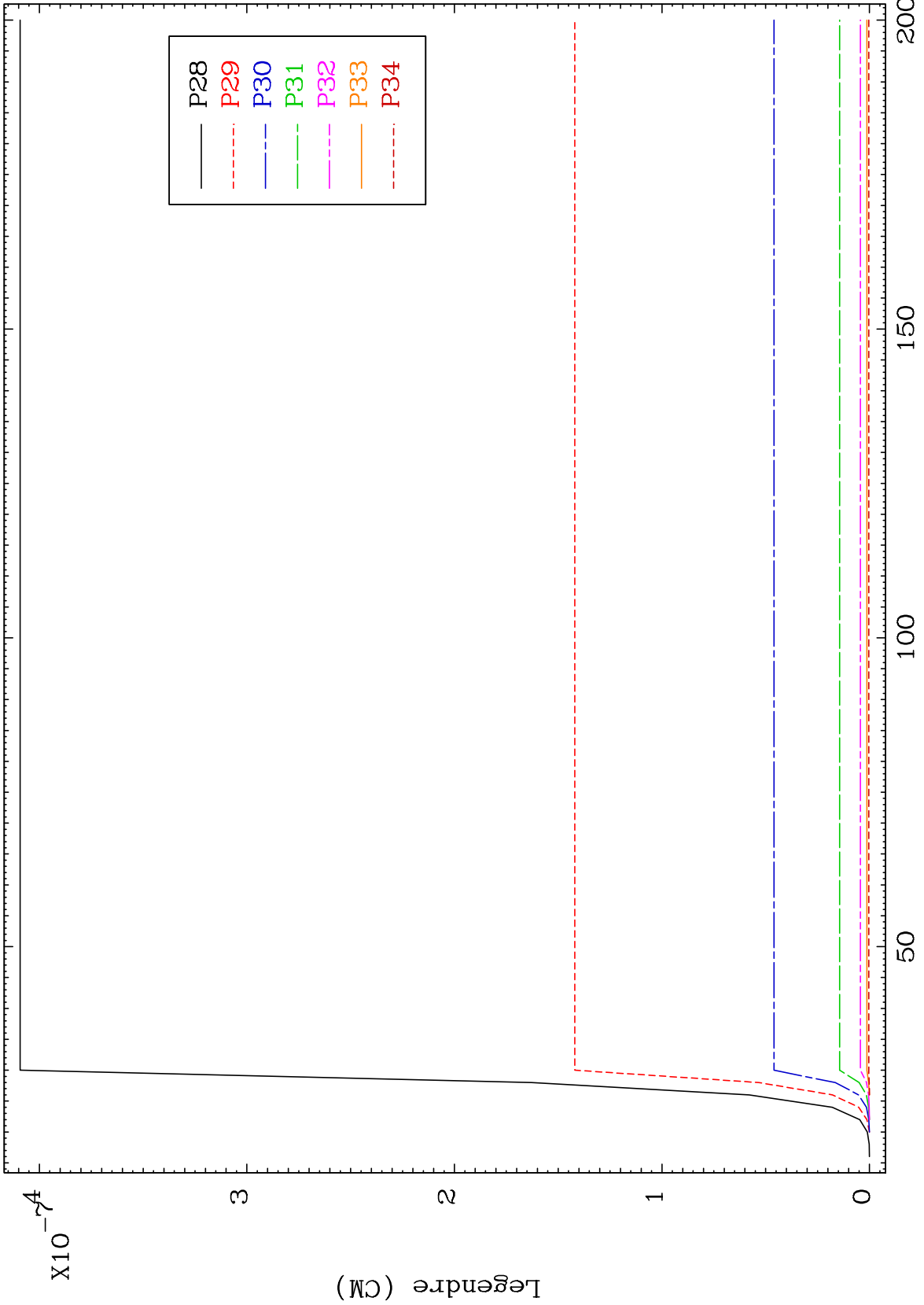
Incident Energy (MeV)

44-Ru-93

MAT 4416

MT= 52 (n,n') Level
Legendre Coefficients

44-Ru-93



25

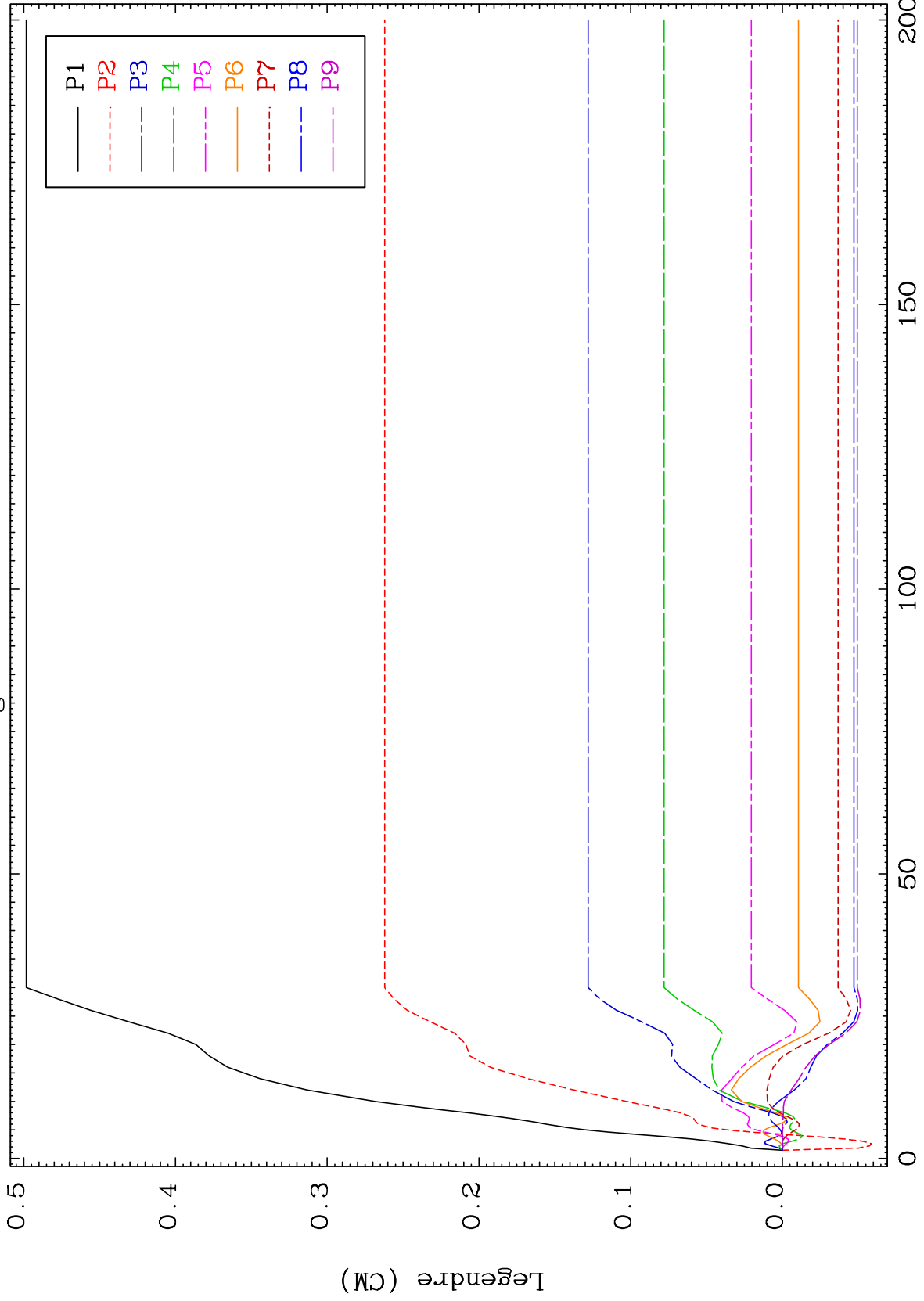
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



26

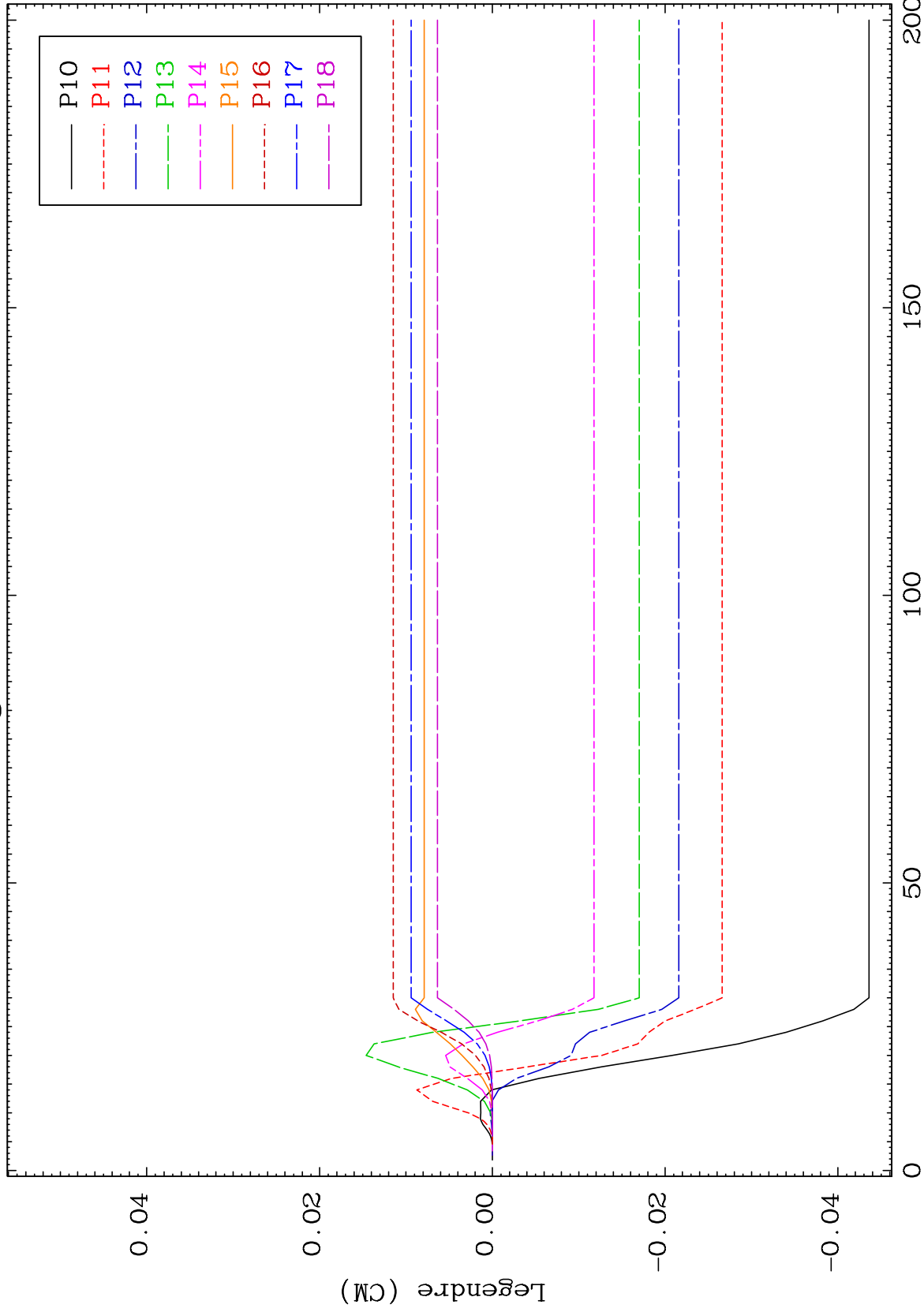
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



27

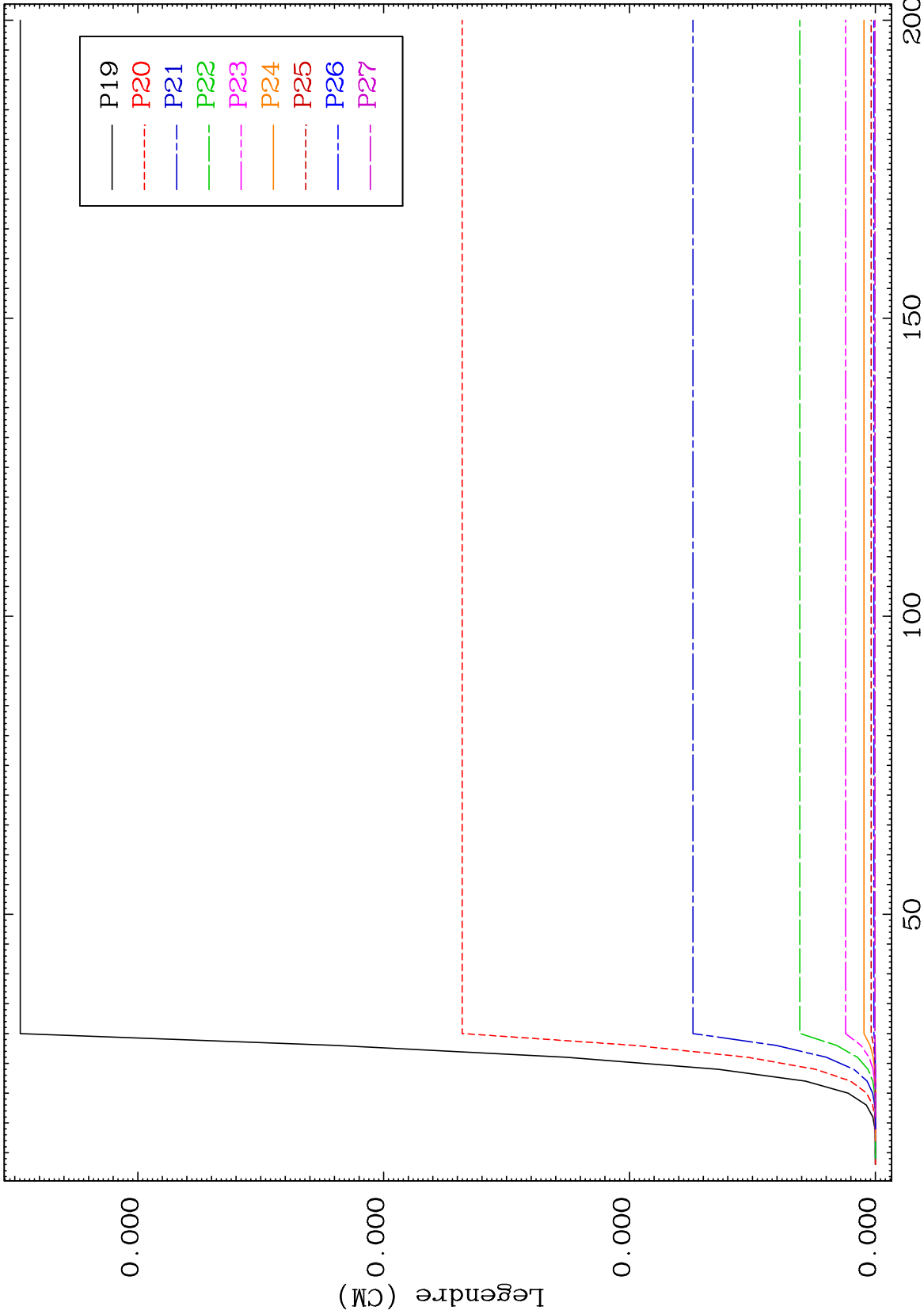
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



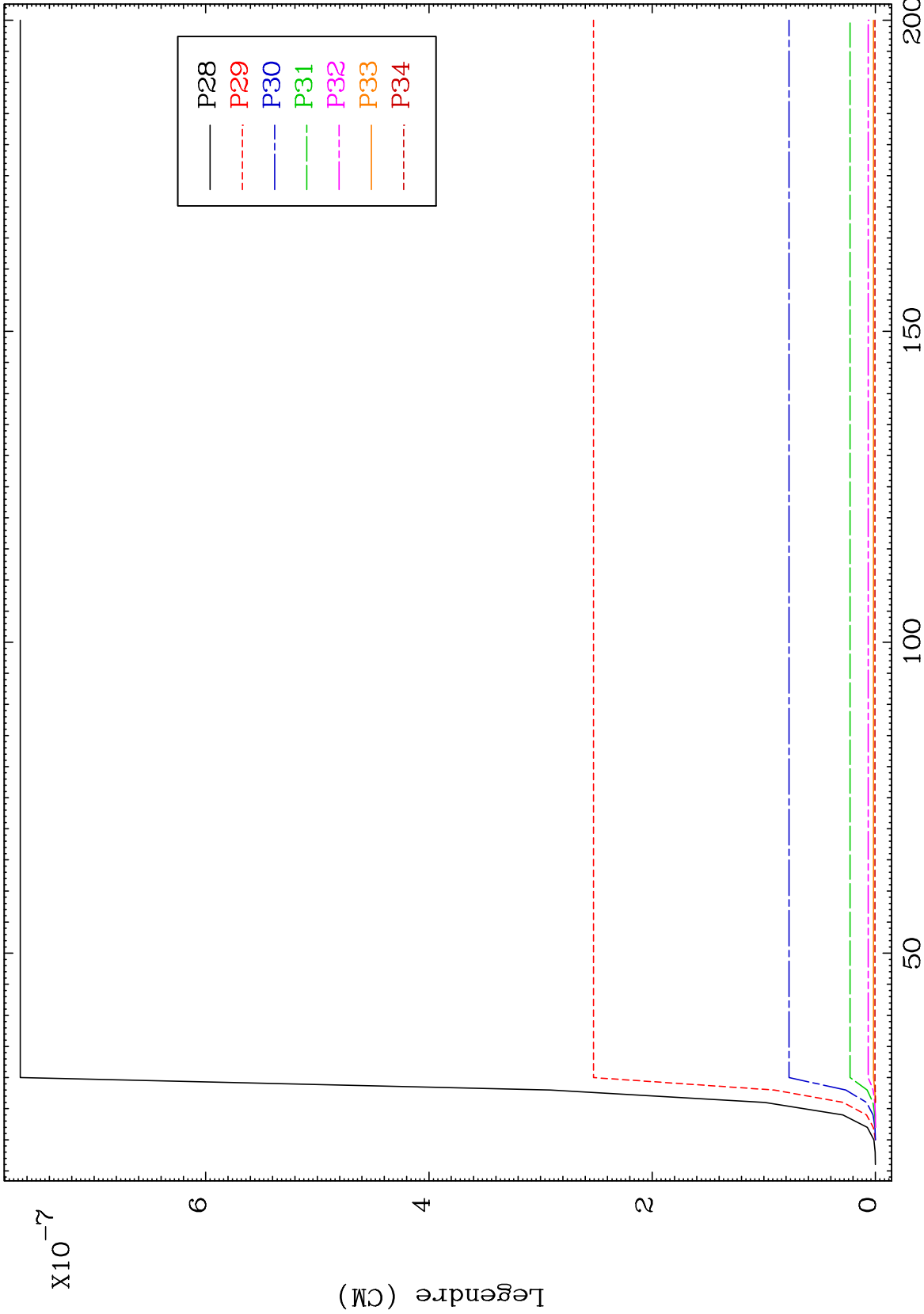
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44-Ru-93

MAT 4416

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

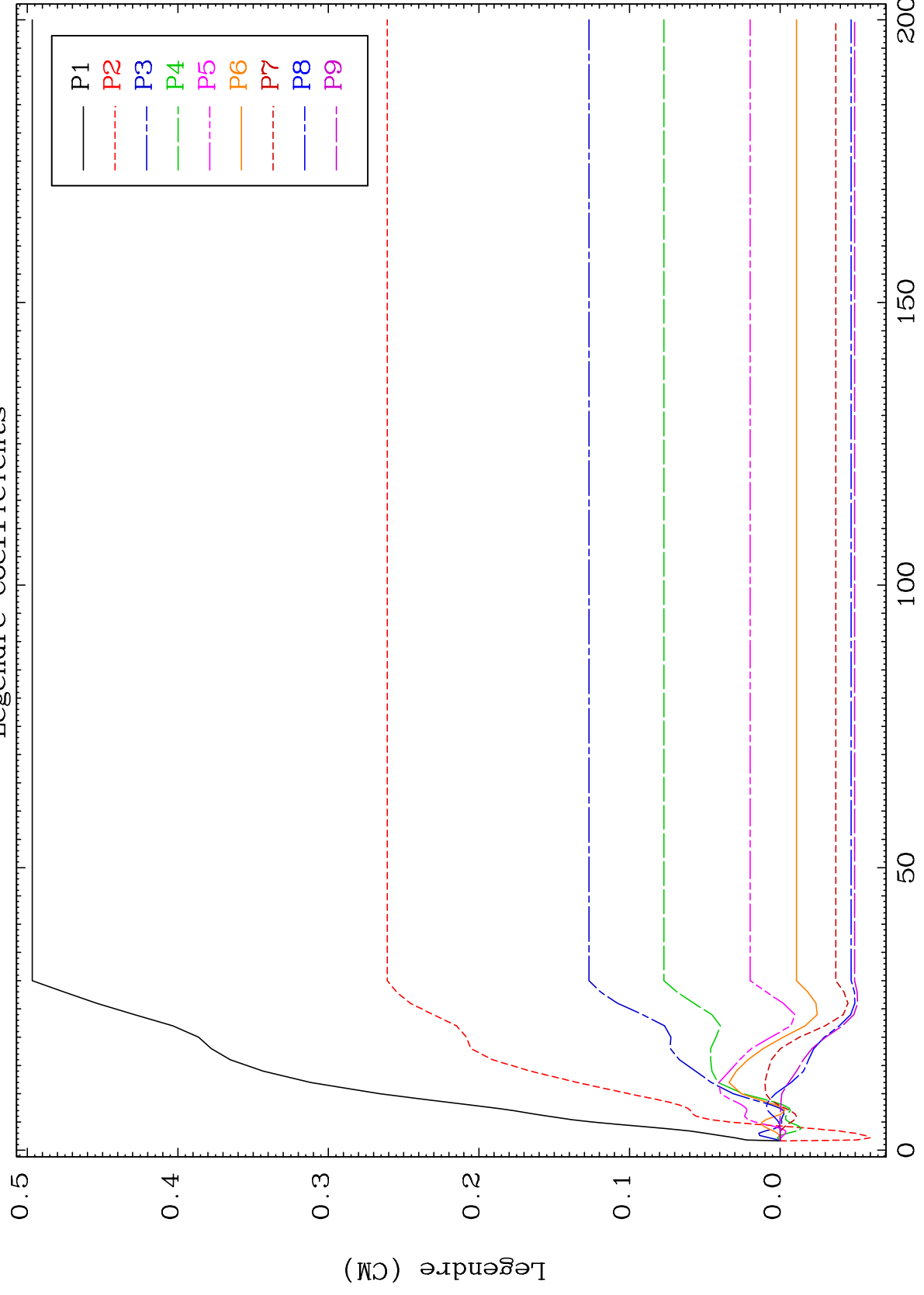
44-Ru-93



29

44-Ru-93

MAT 4416 MT= 54 (n,n') Level Legendre Coefficients 44-Ru-93



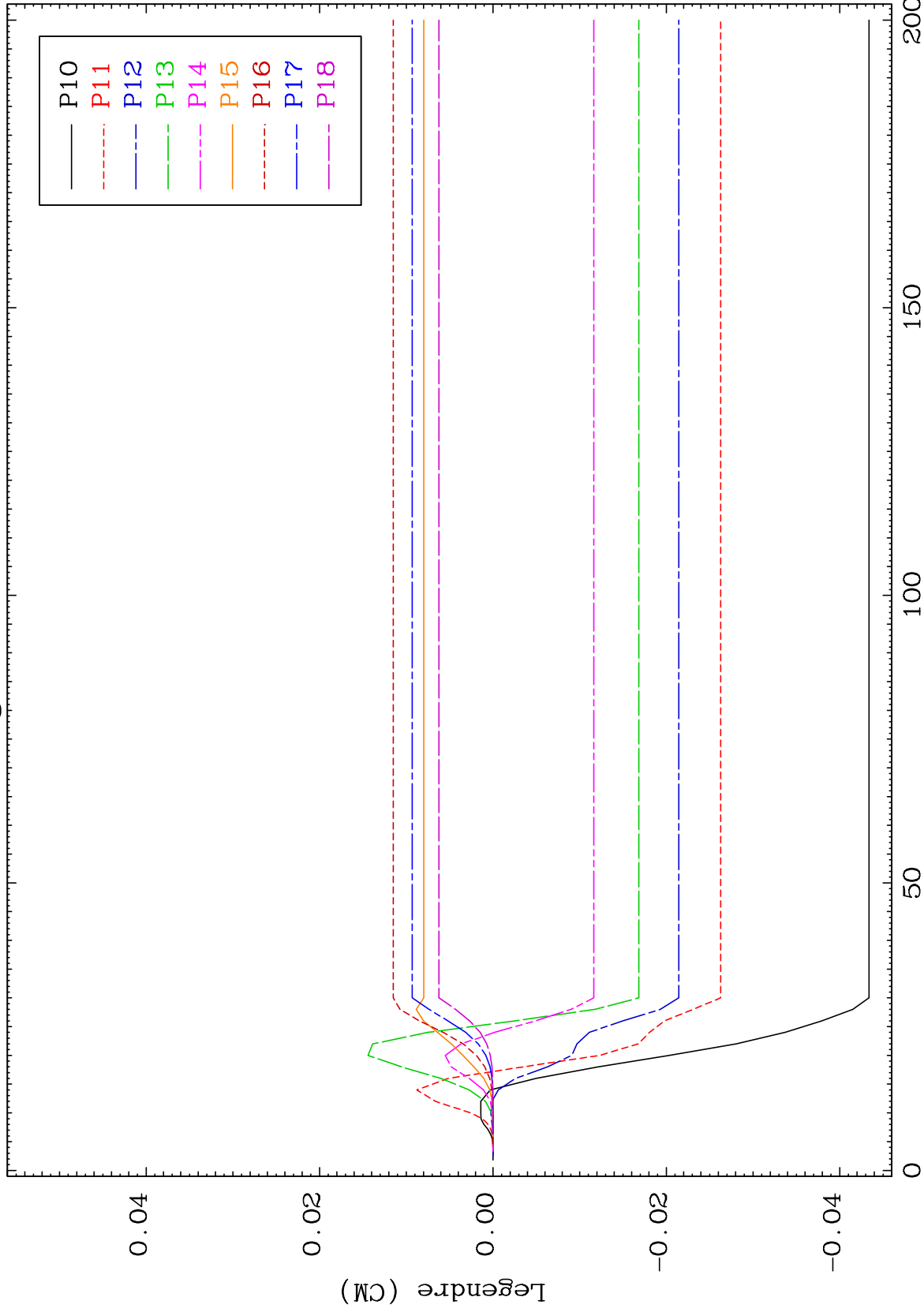
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Incident Energy (MeV)

MAT 4416

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

44-Ru-93



31

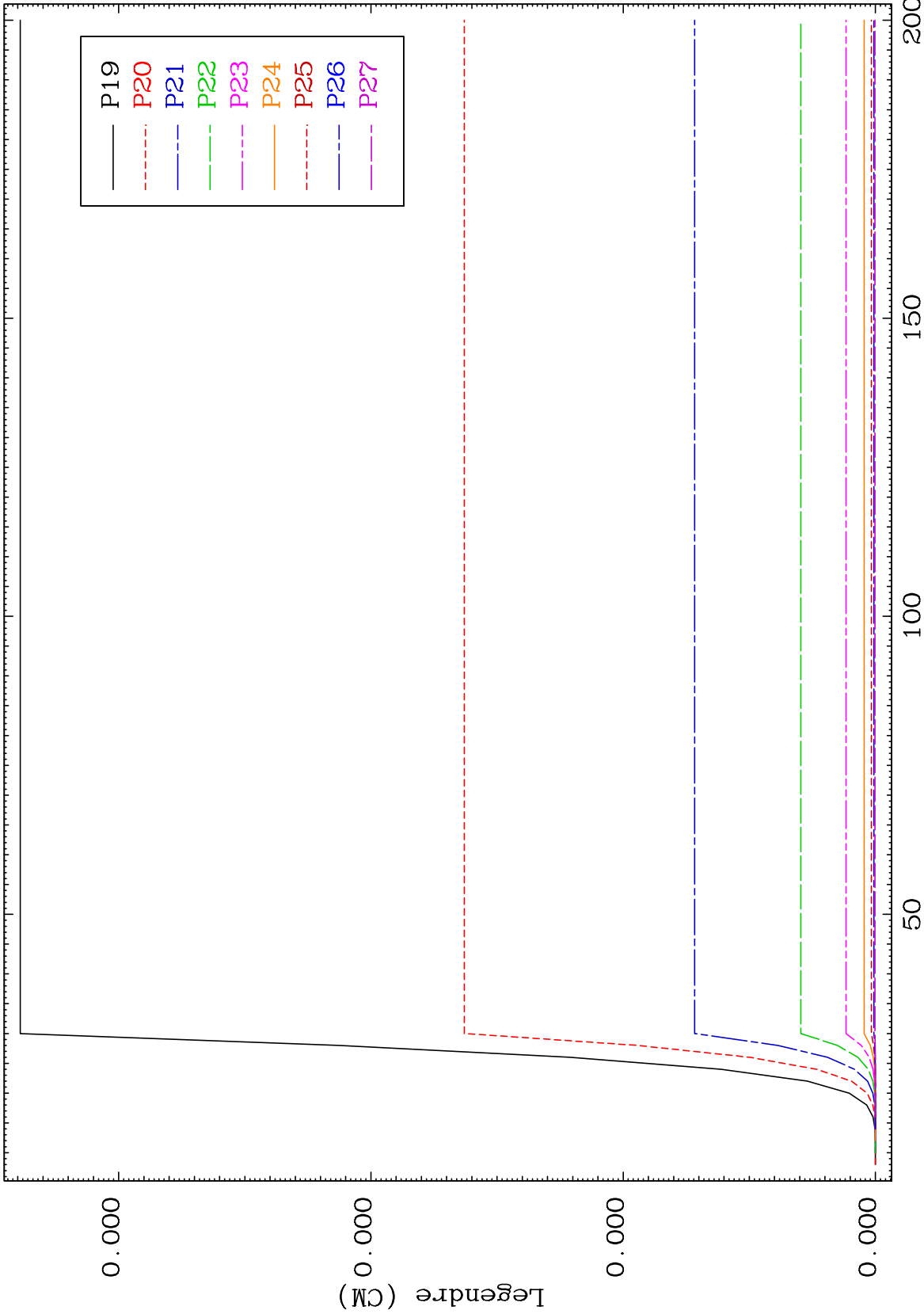
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



32

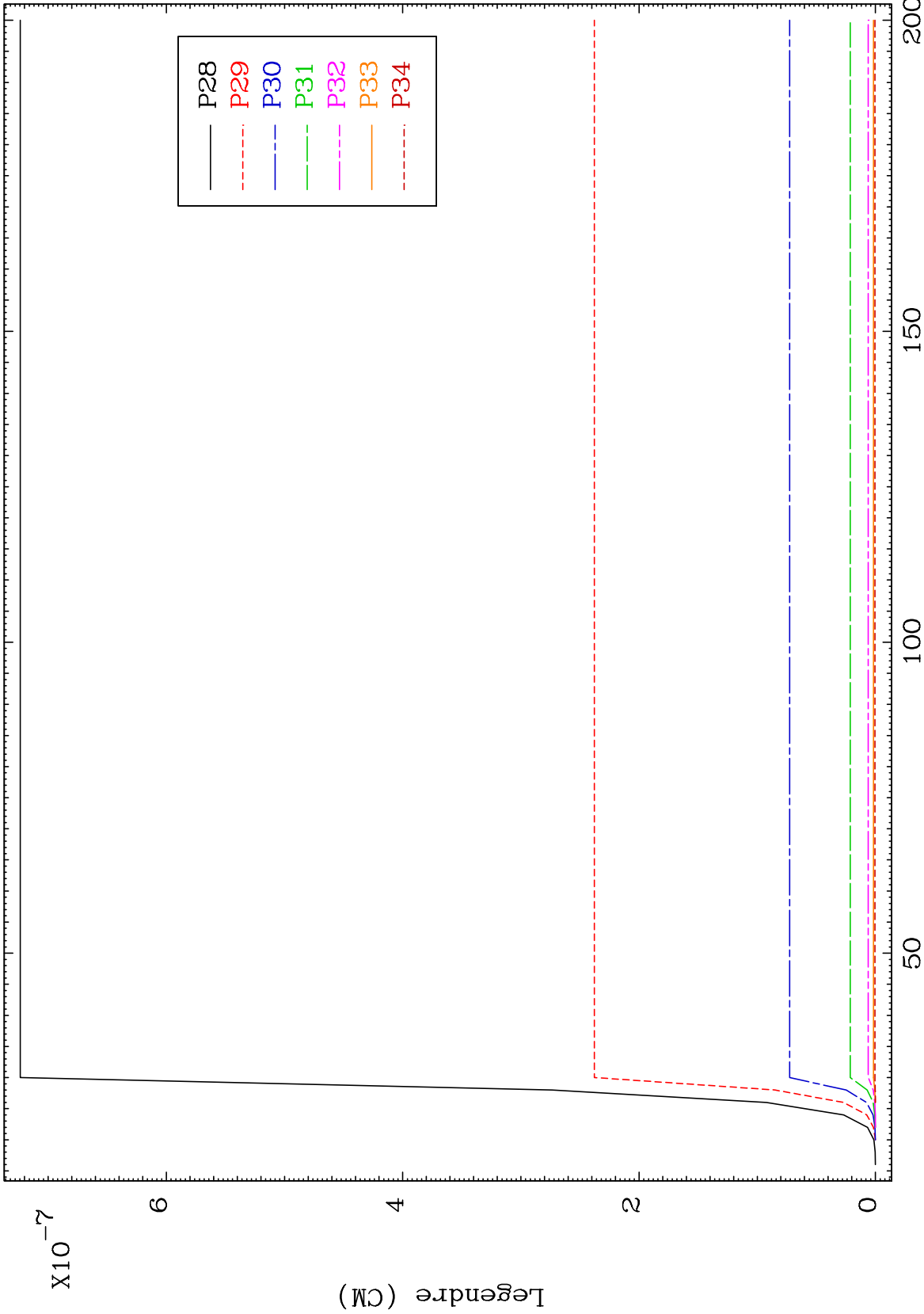
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



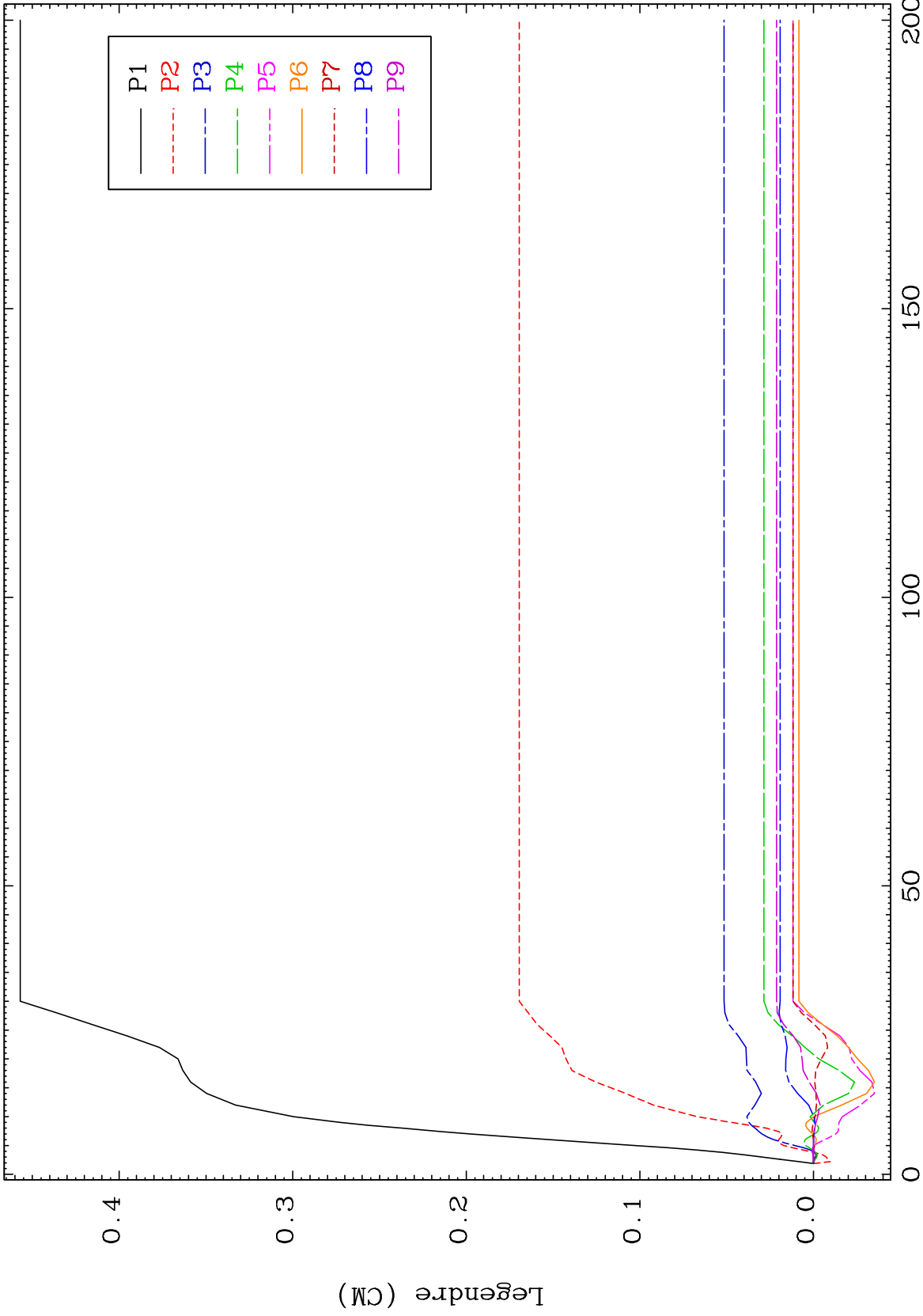
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44-Ru-93

MAT 4416

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

44-Ru-93



34

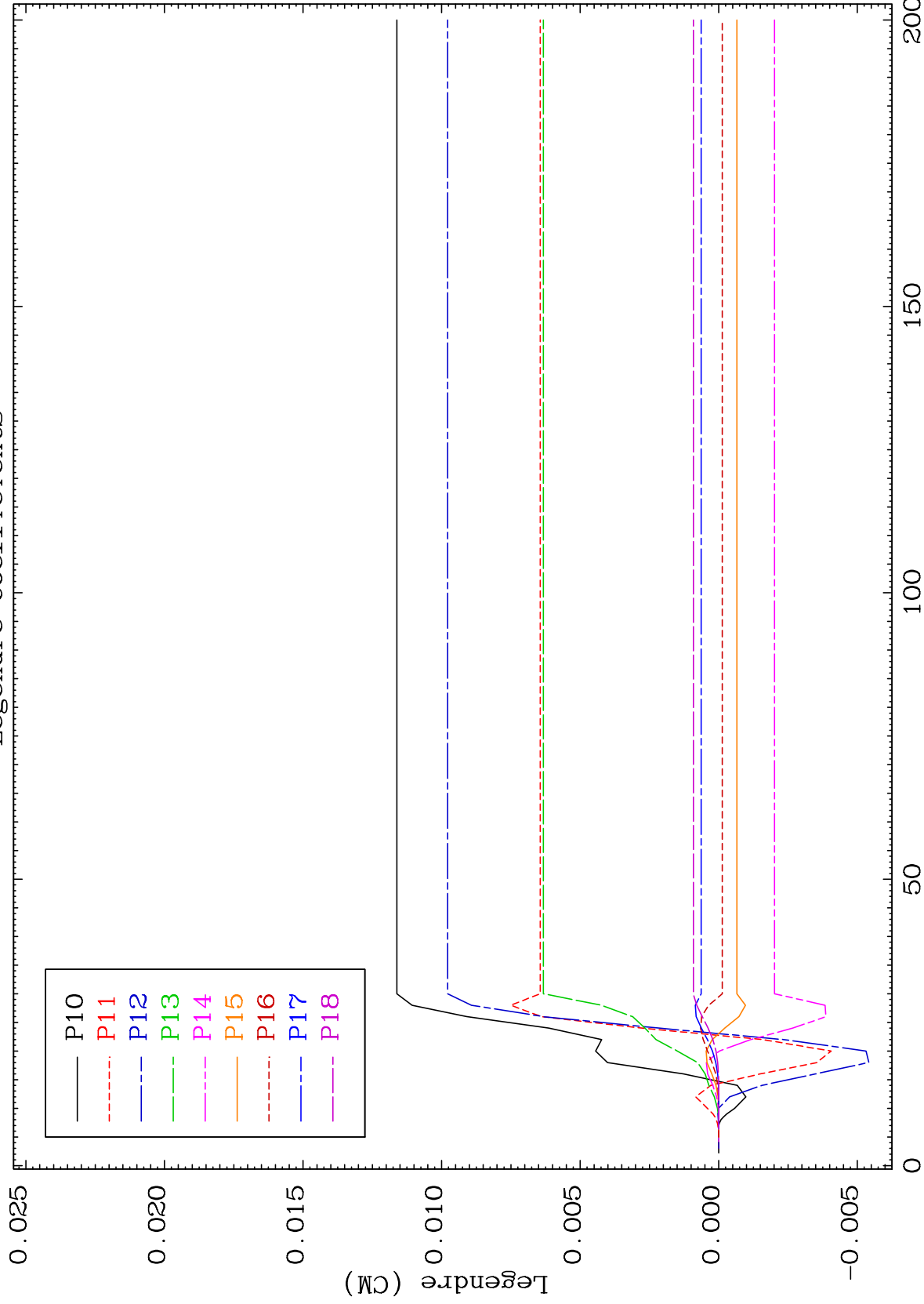
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



35

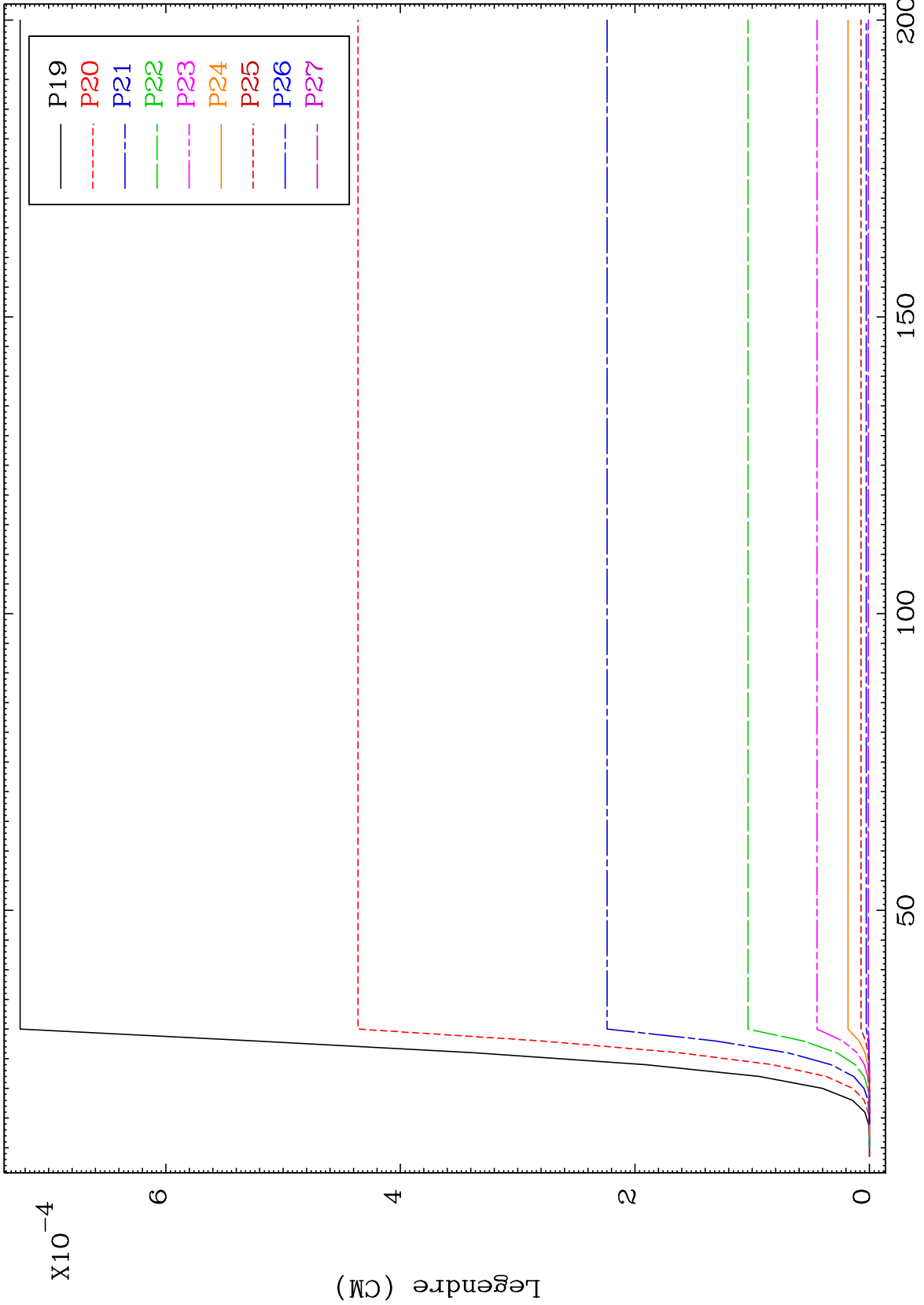
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



36

Incident Energy (MeV)

44-Ru-93

200

150

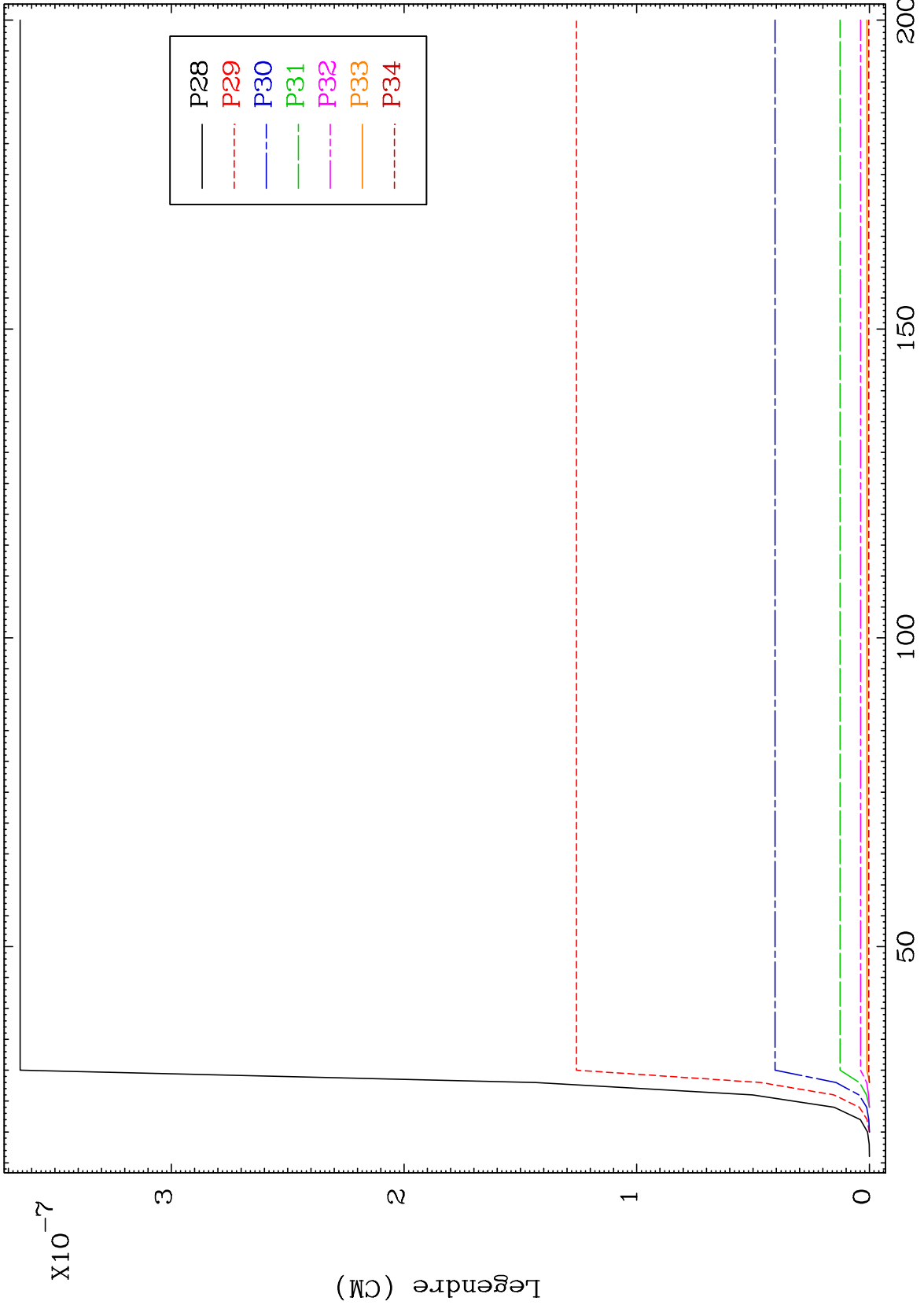
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50

MAT 4416

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

44-Ru-93

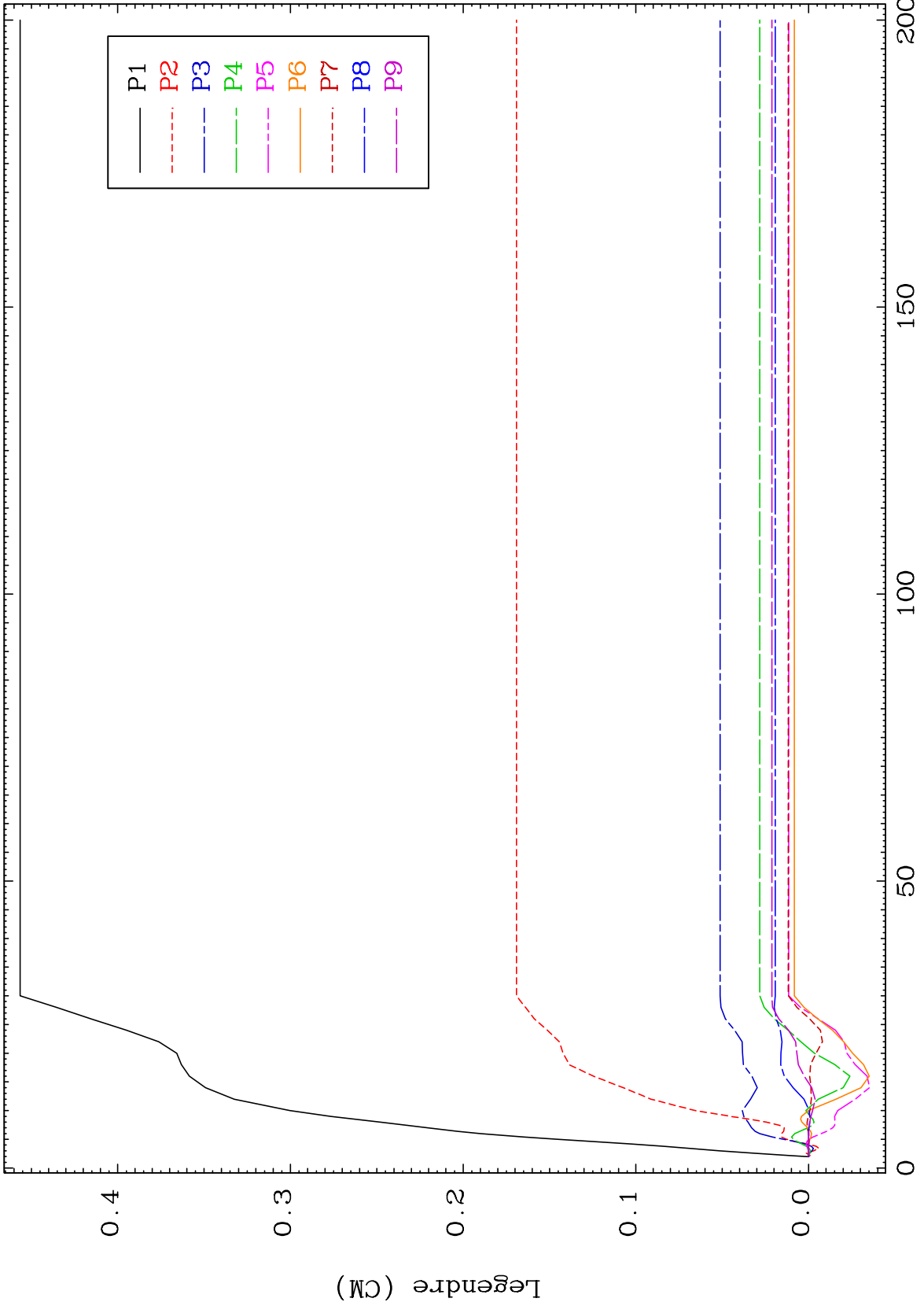


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Incident Energy (MeV)

44-Ru-93

MAT 4416 MT= 56 (n,n') Level Legendre Coefficients 44-Ru-93

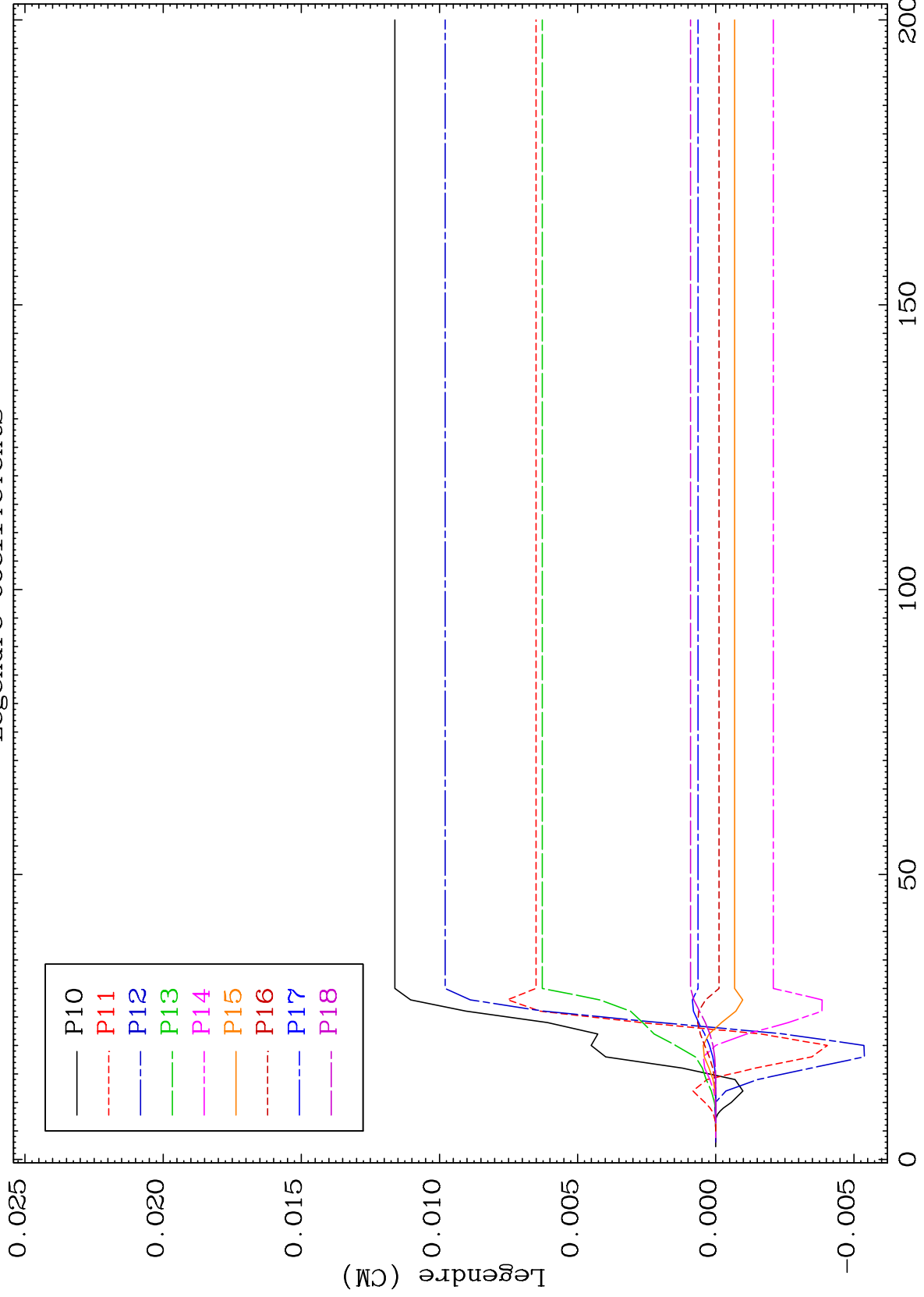


38 44-Ru-93

MAT 4416

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

44-Ru-93



39

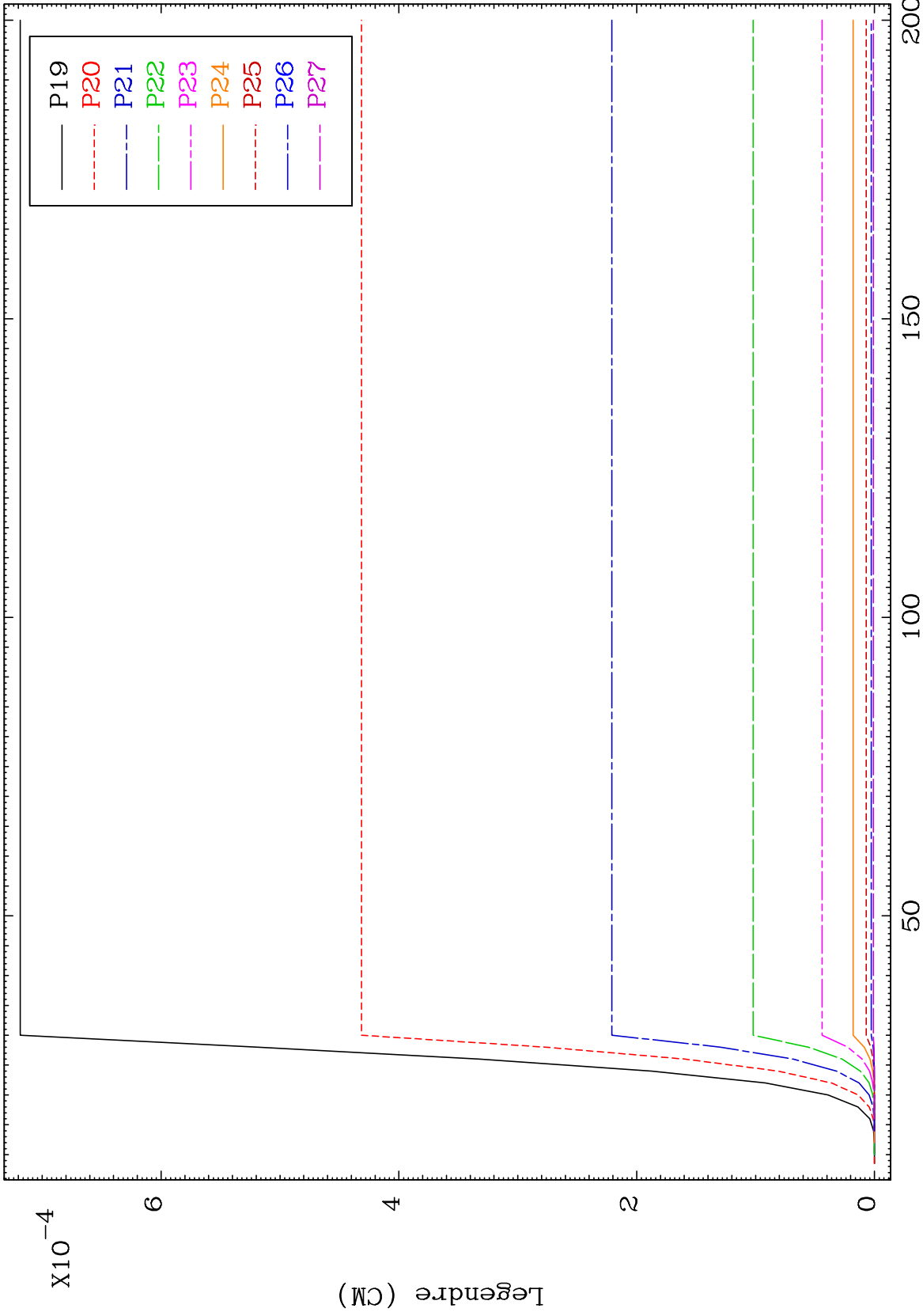
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



40

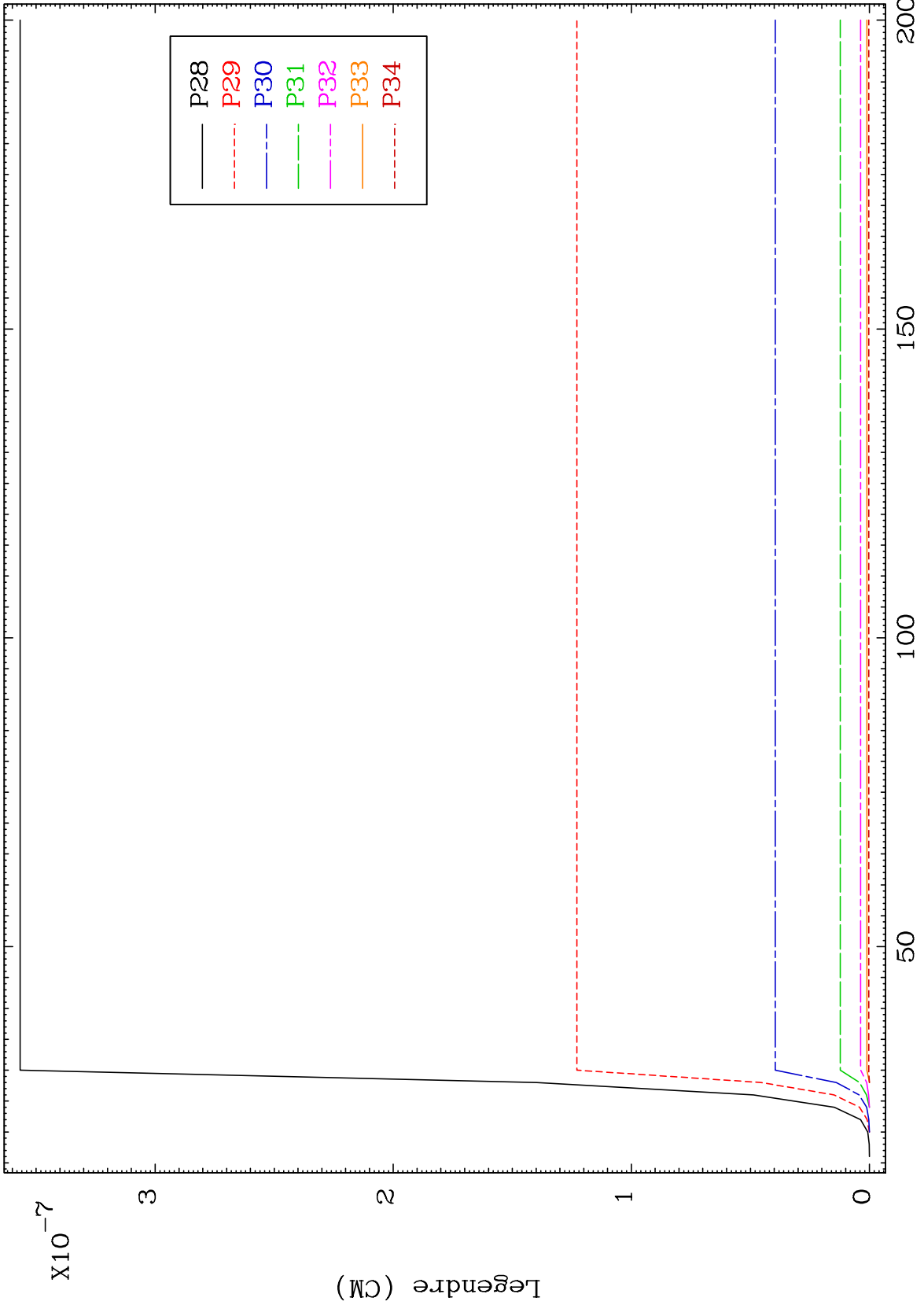
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



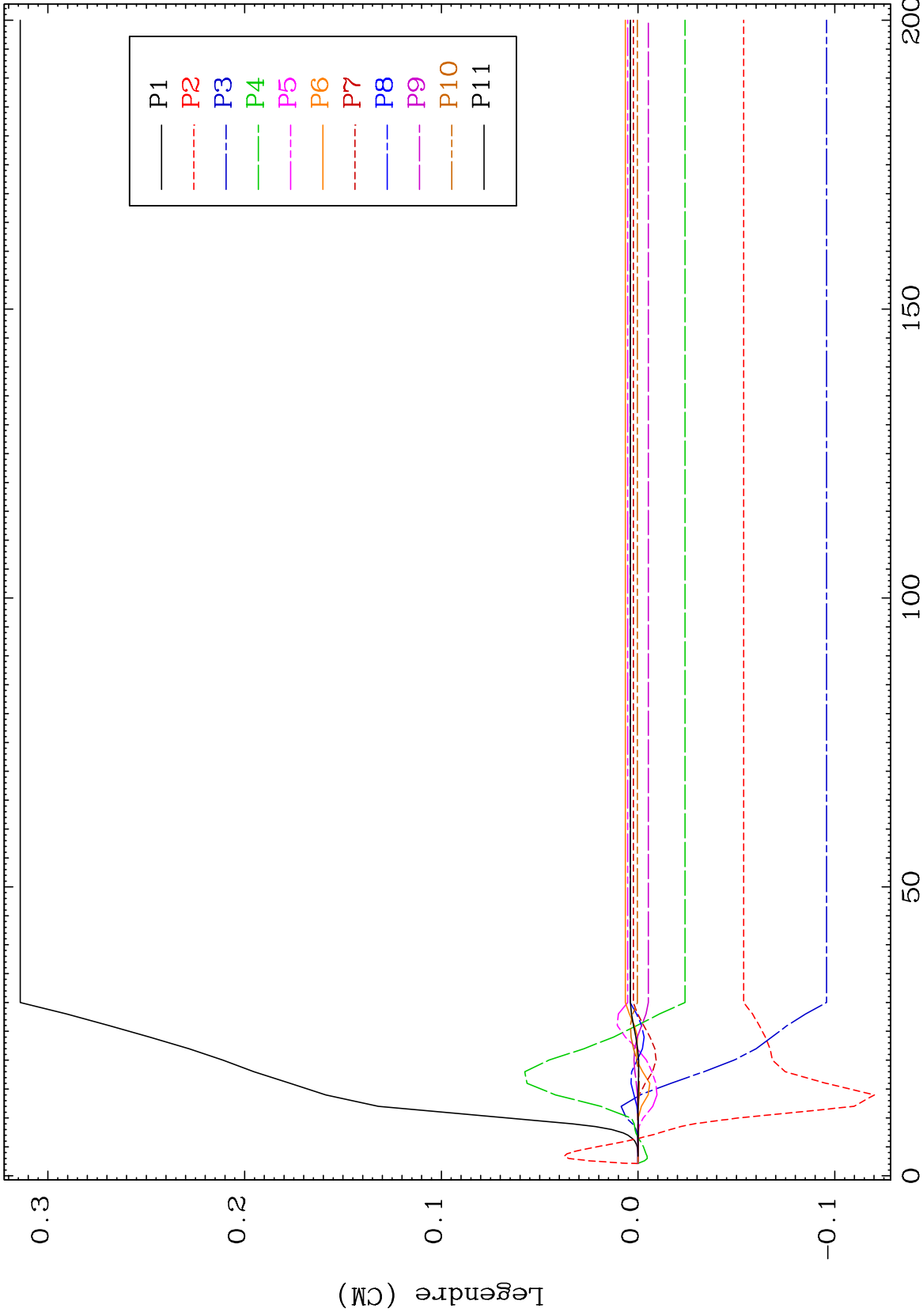
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44-Ru-93

MAT 4416

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

44-Ru-93



42

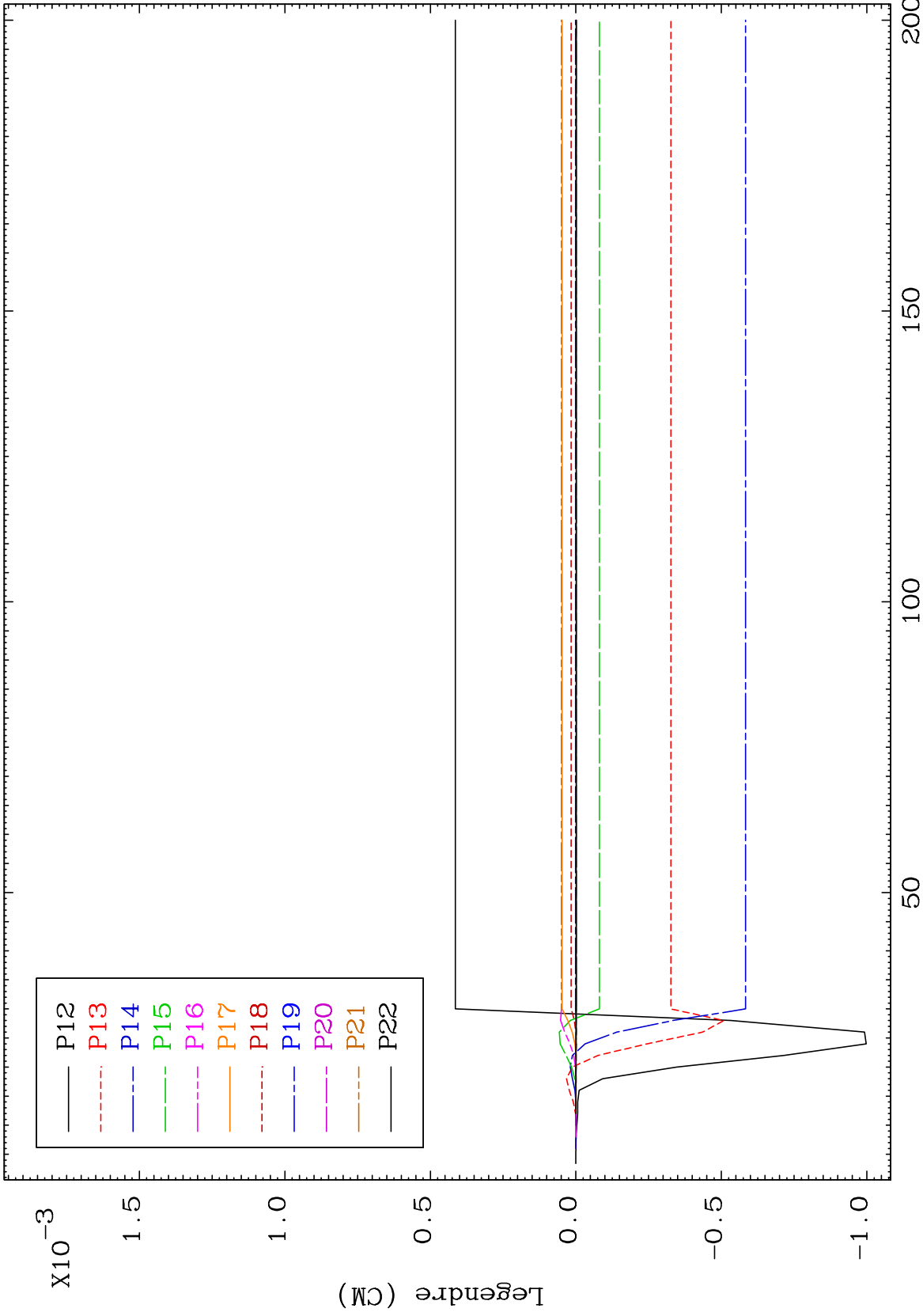
Incident Energy (MeV)

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MAT 4416

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

44-Ru-93

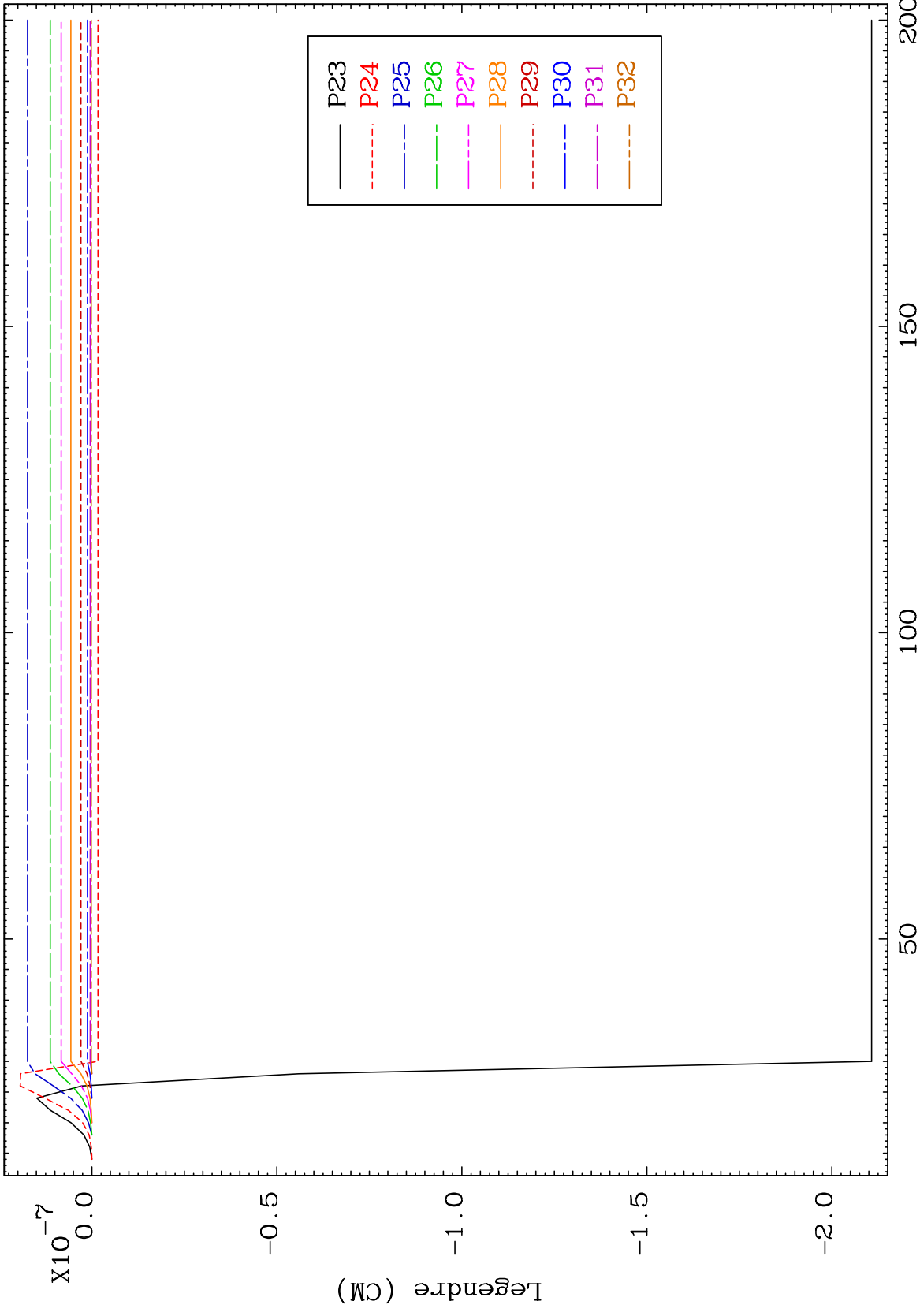


43

Incident Energy (MeV)

44-Ru-93

MAT 4416 MT= 57 (n,n') Level Legendre Coefficients 44-Ru-93

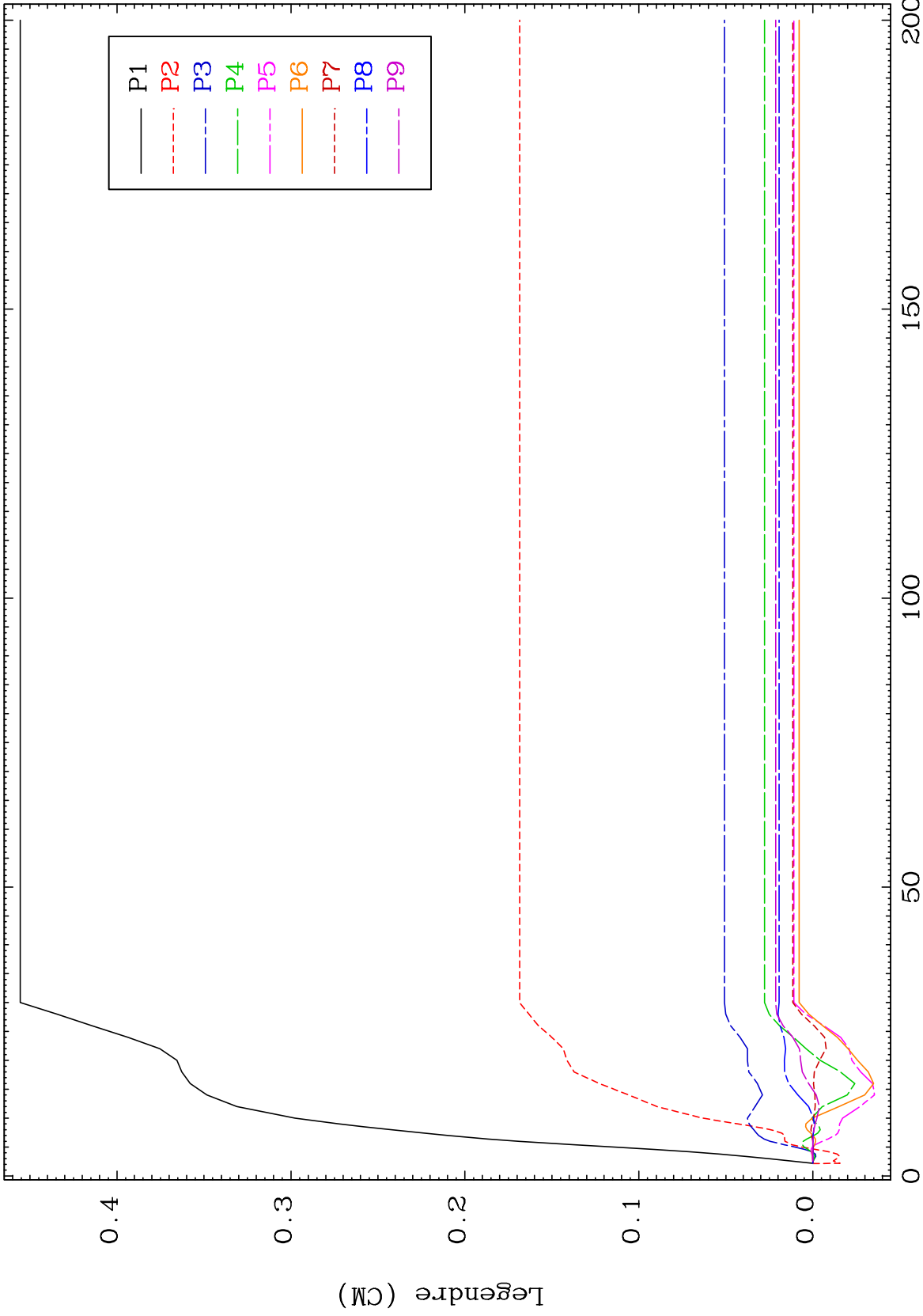


44-Ru-93

MAT 4416

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

44-Ru-93



45

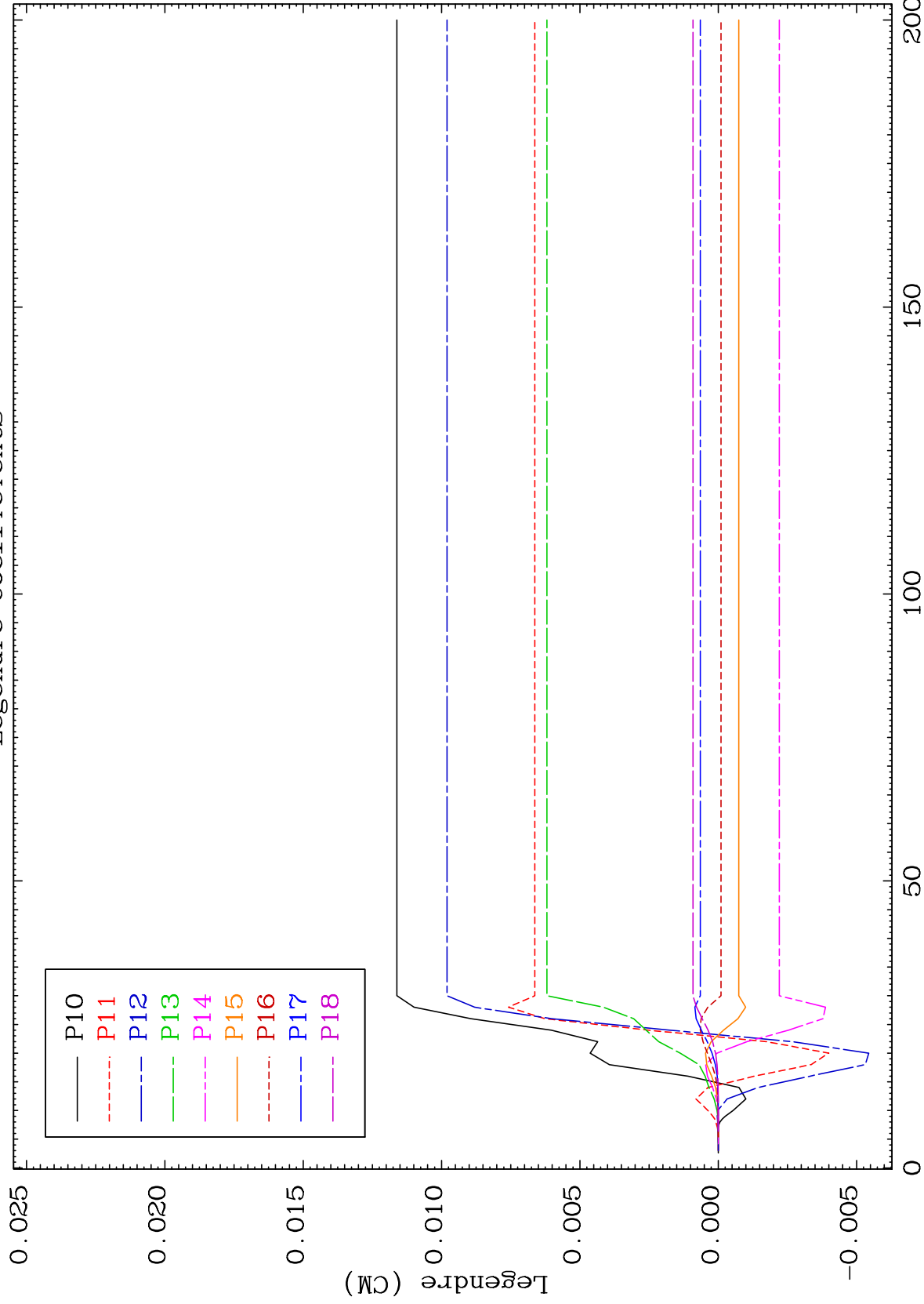
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



46

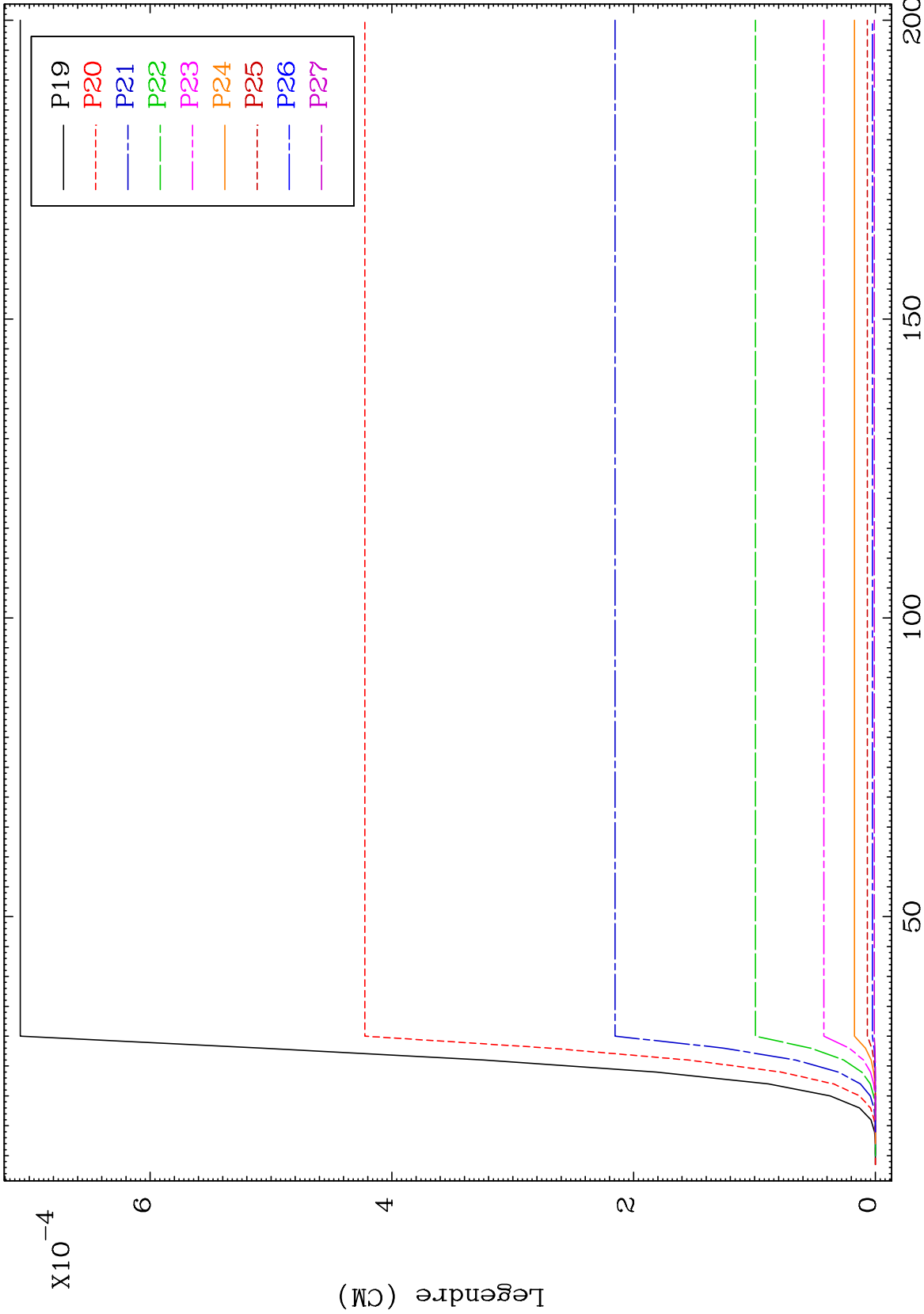
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



47

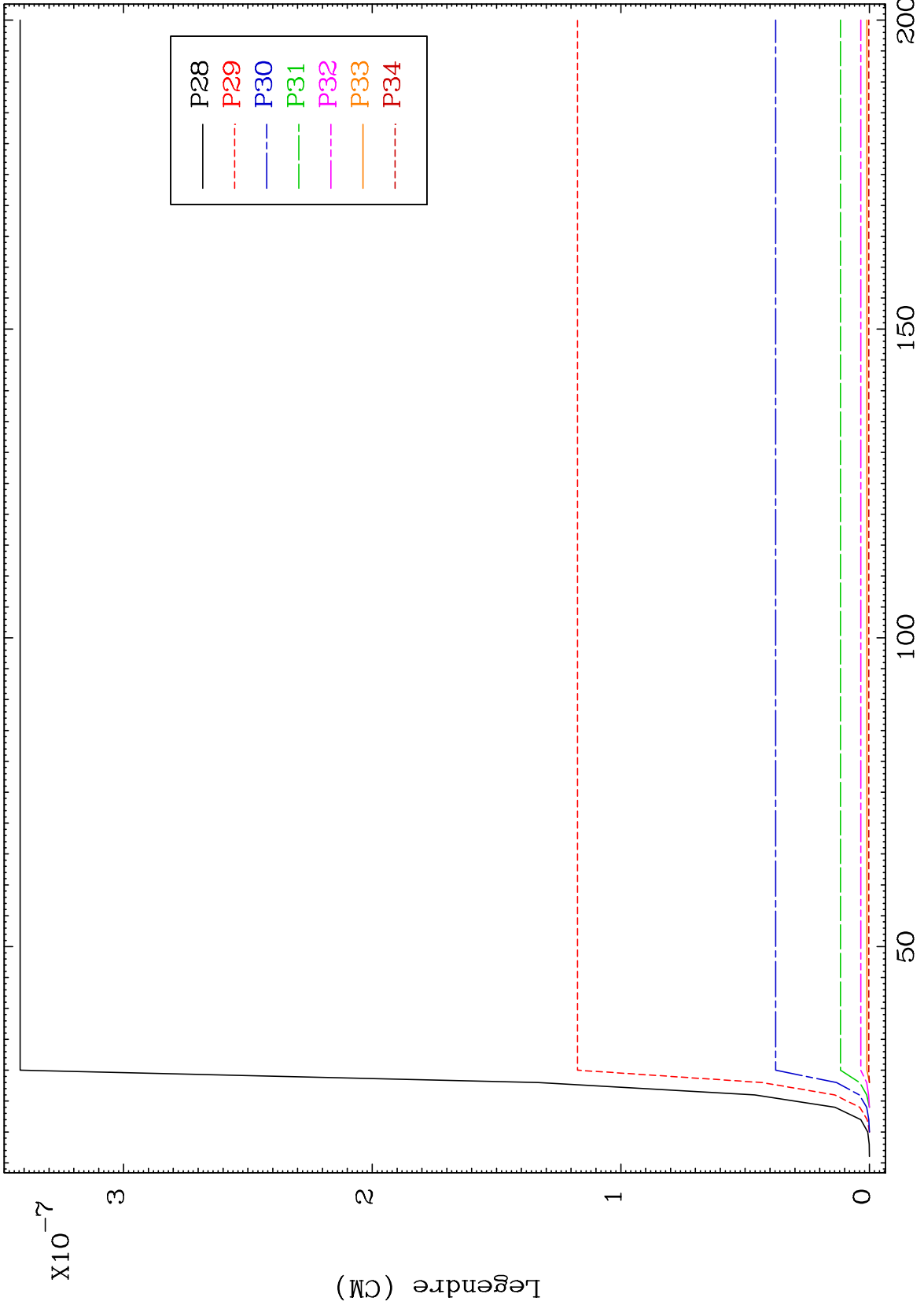
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93

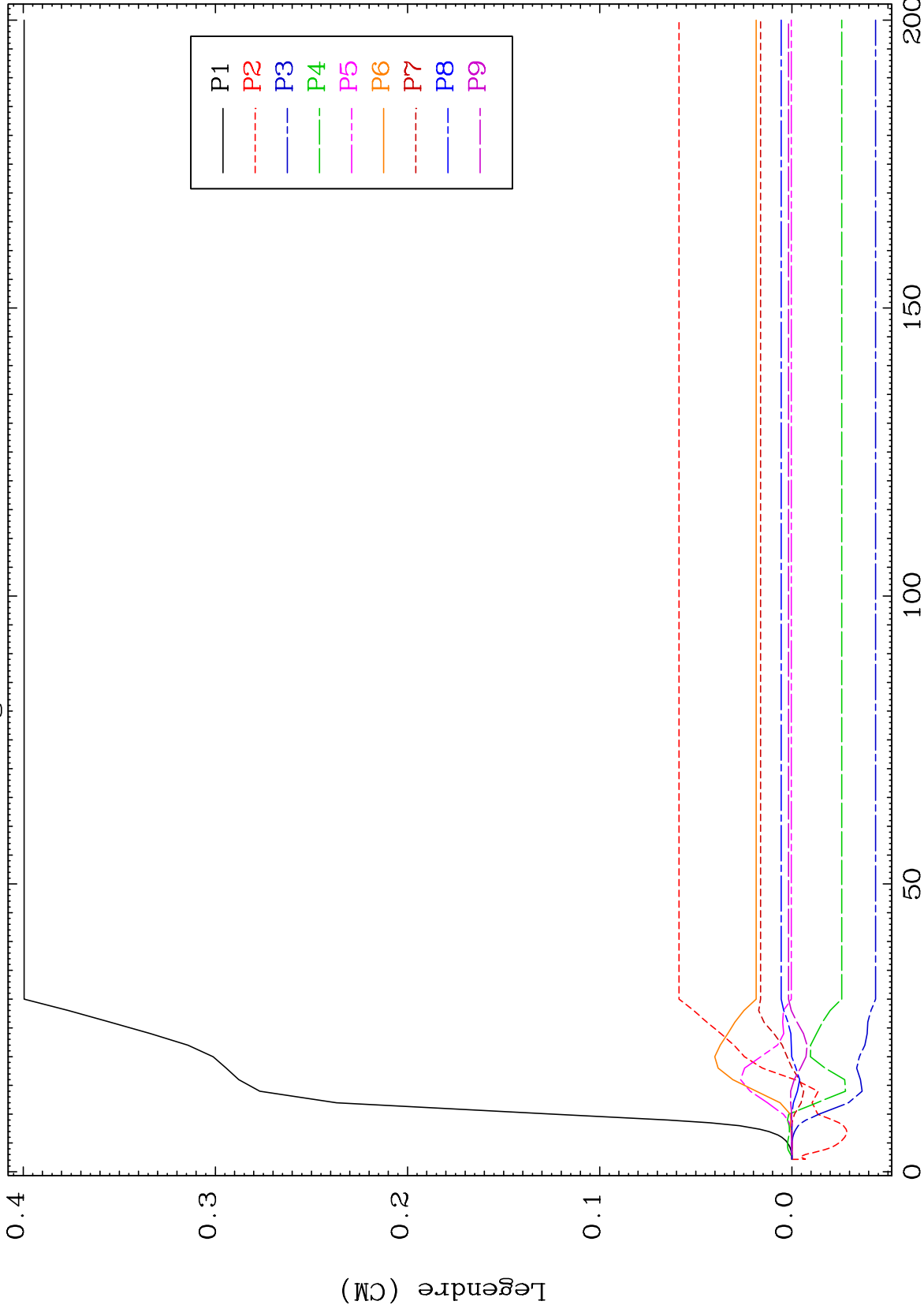


48

Incident Energy (MeV)

44-Ru-93

MAT 4416 MT= 59 (n,n') Level Legendre Coefficients 44-Ru-93



44-Ru-93

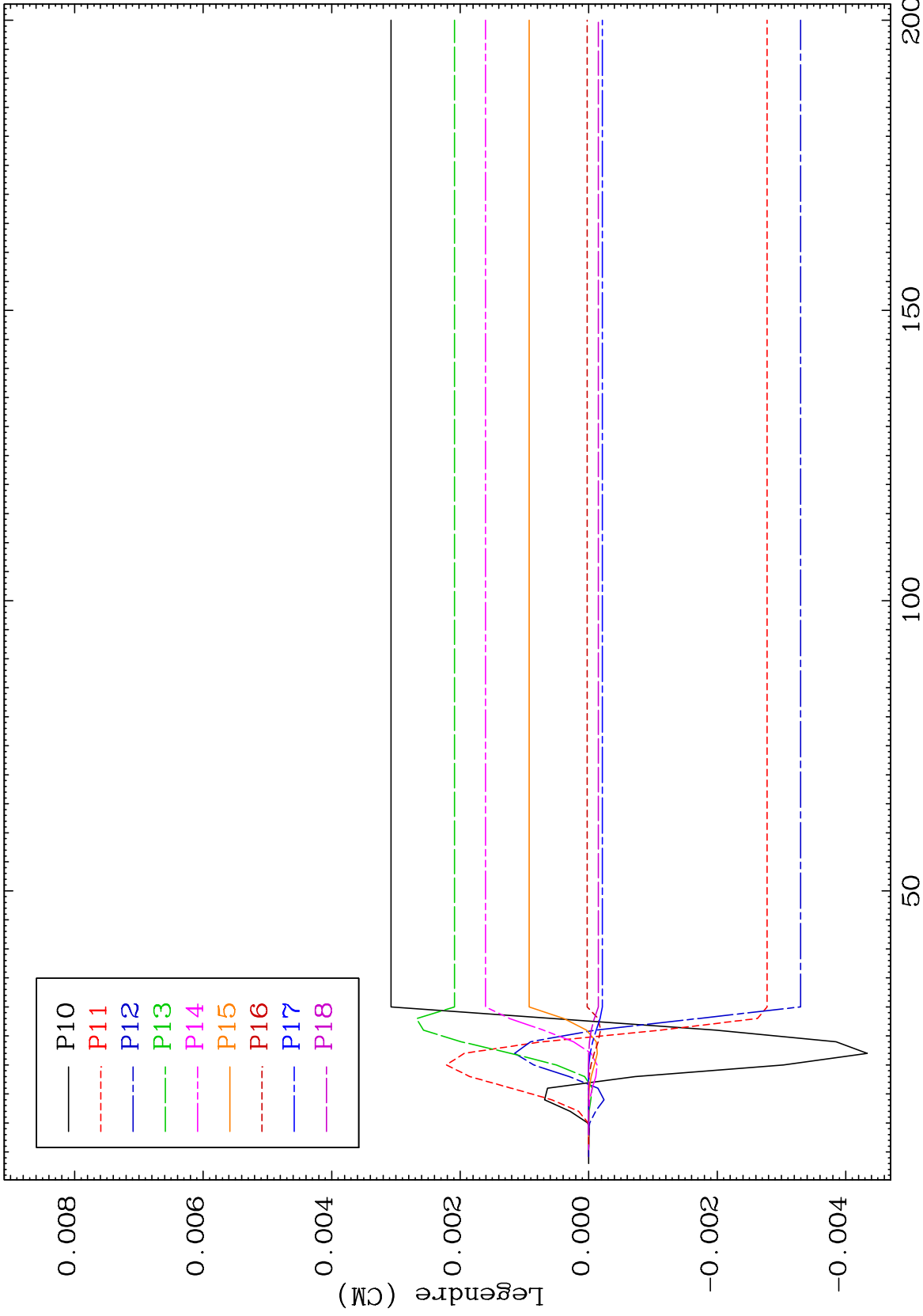
Incident Energy (MeV)

49

MAT 4416

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

44-Ru-93



50

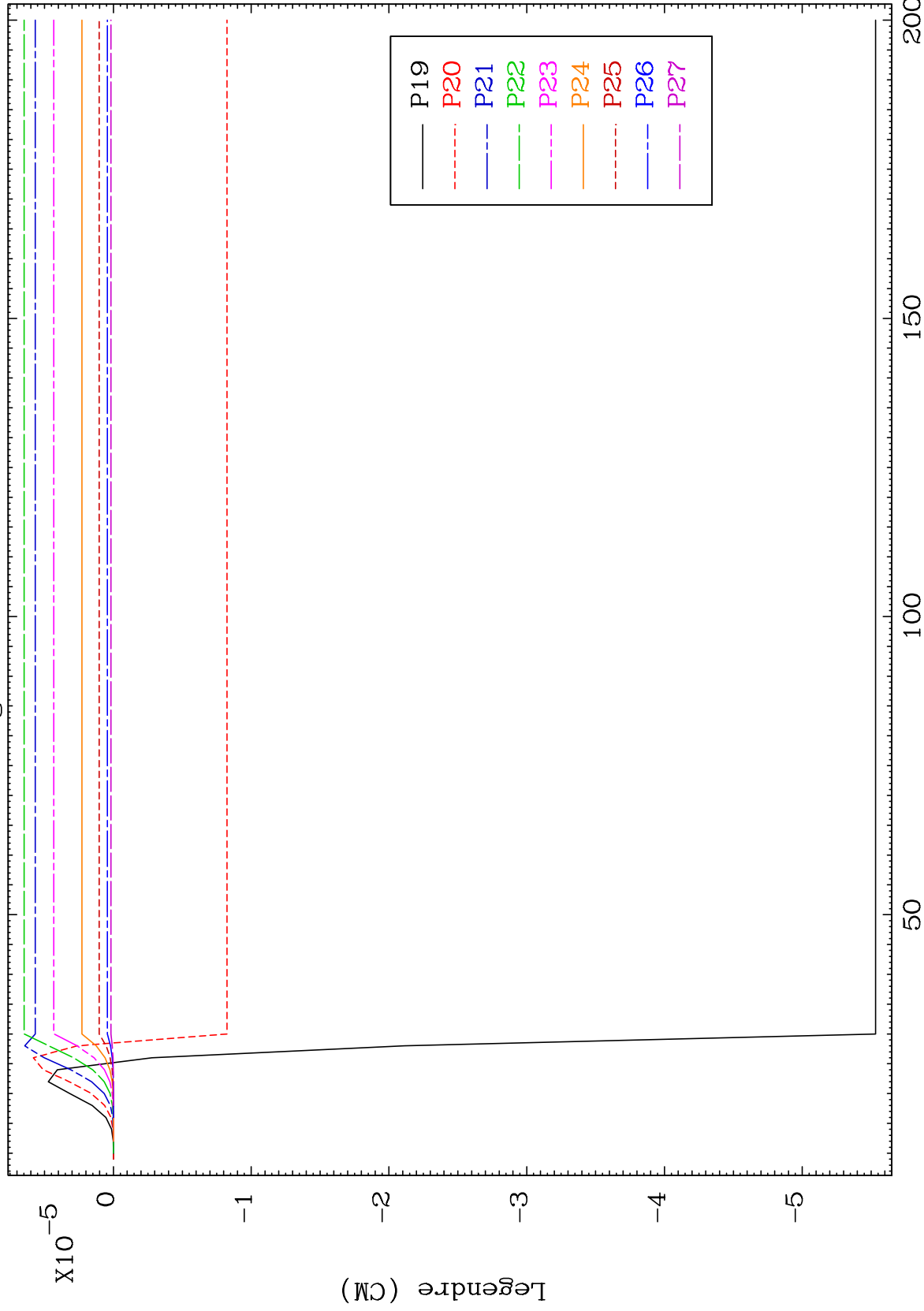
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



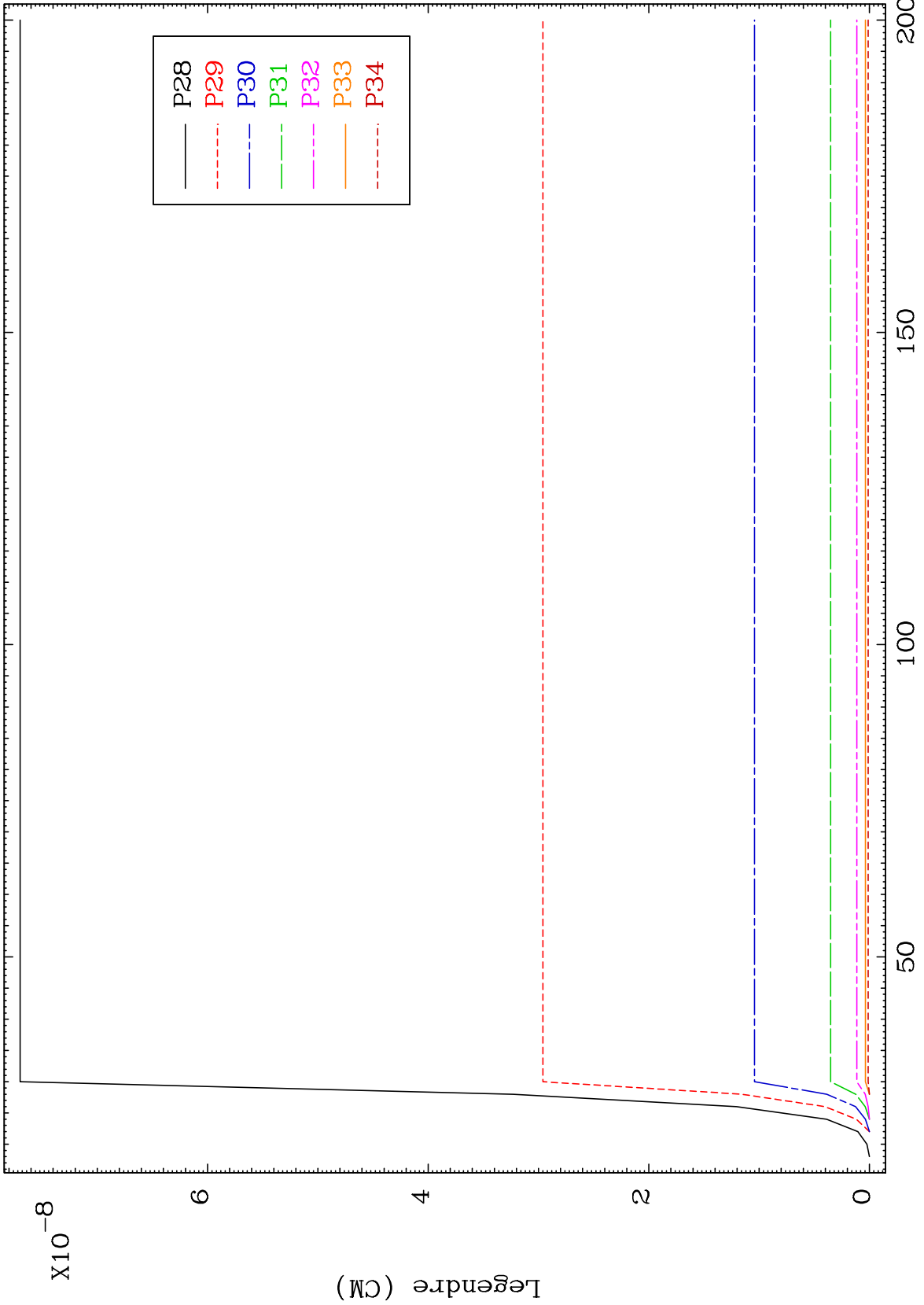
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44-Ru-93

MAT 4416

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

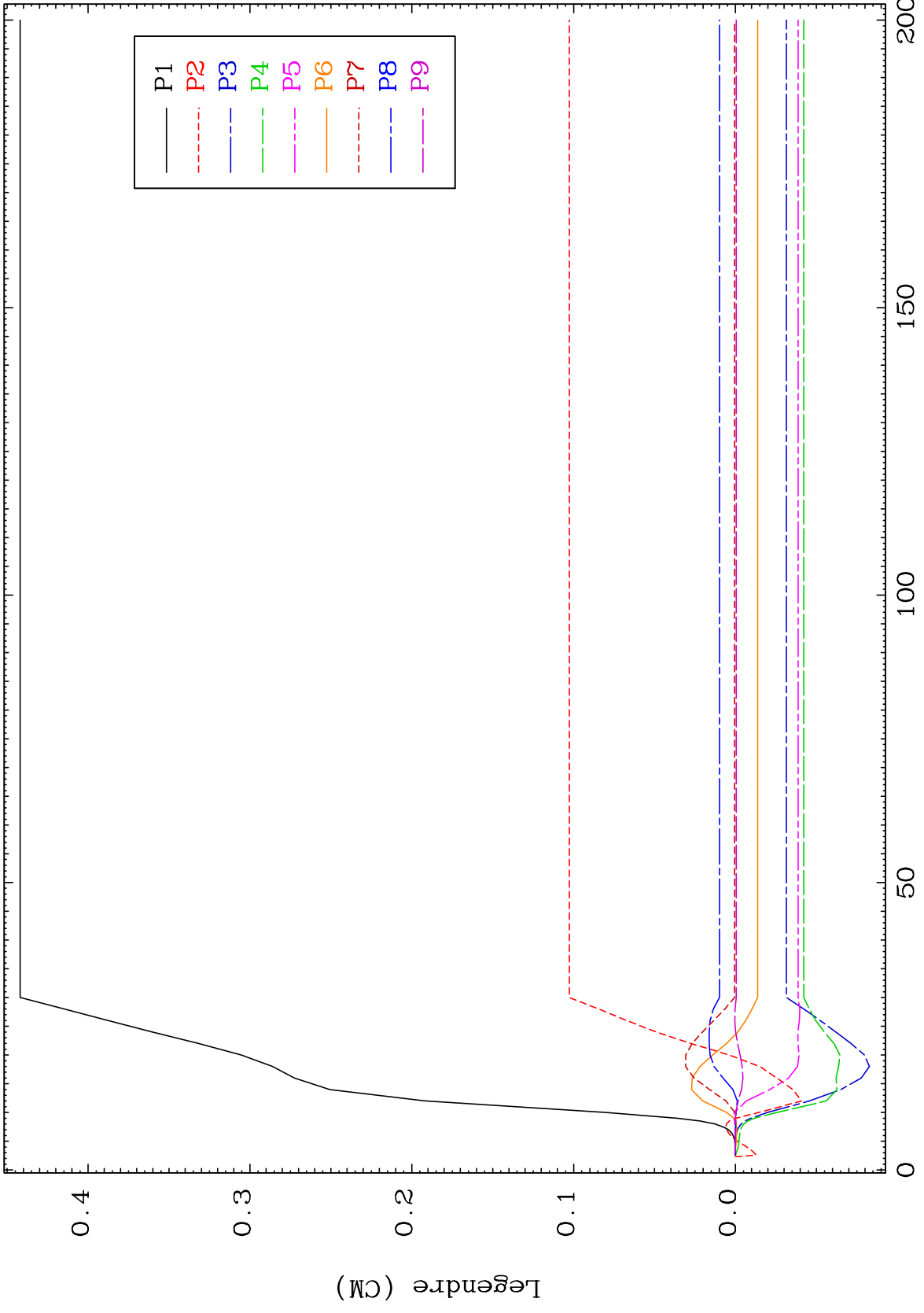
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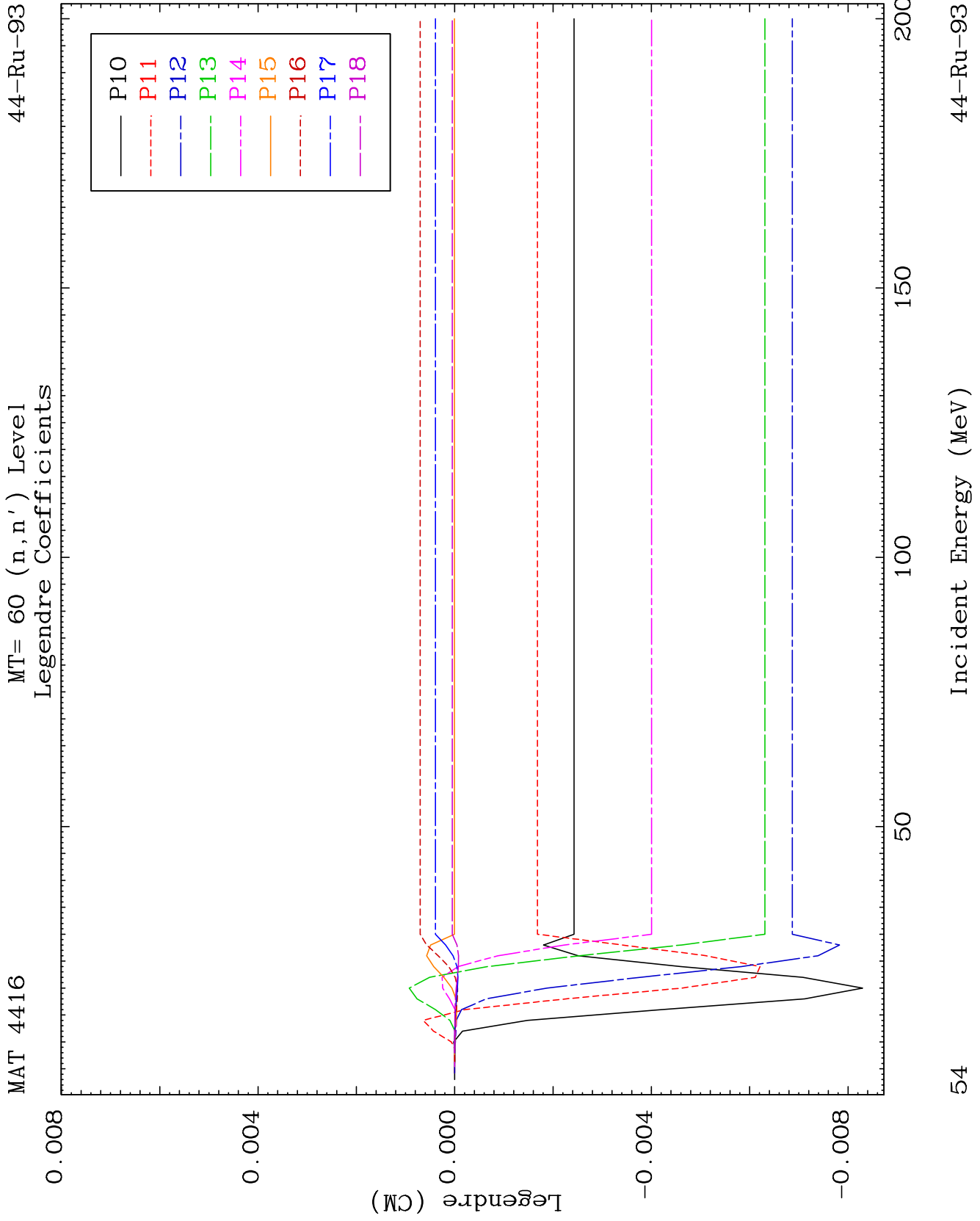


52

Incident Energy (MeV)

44-Ru-93

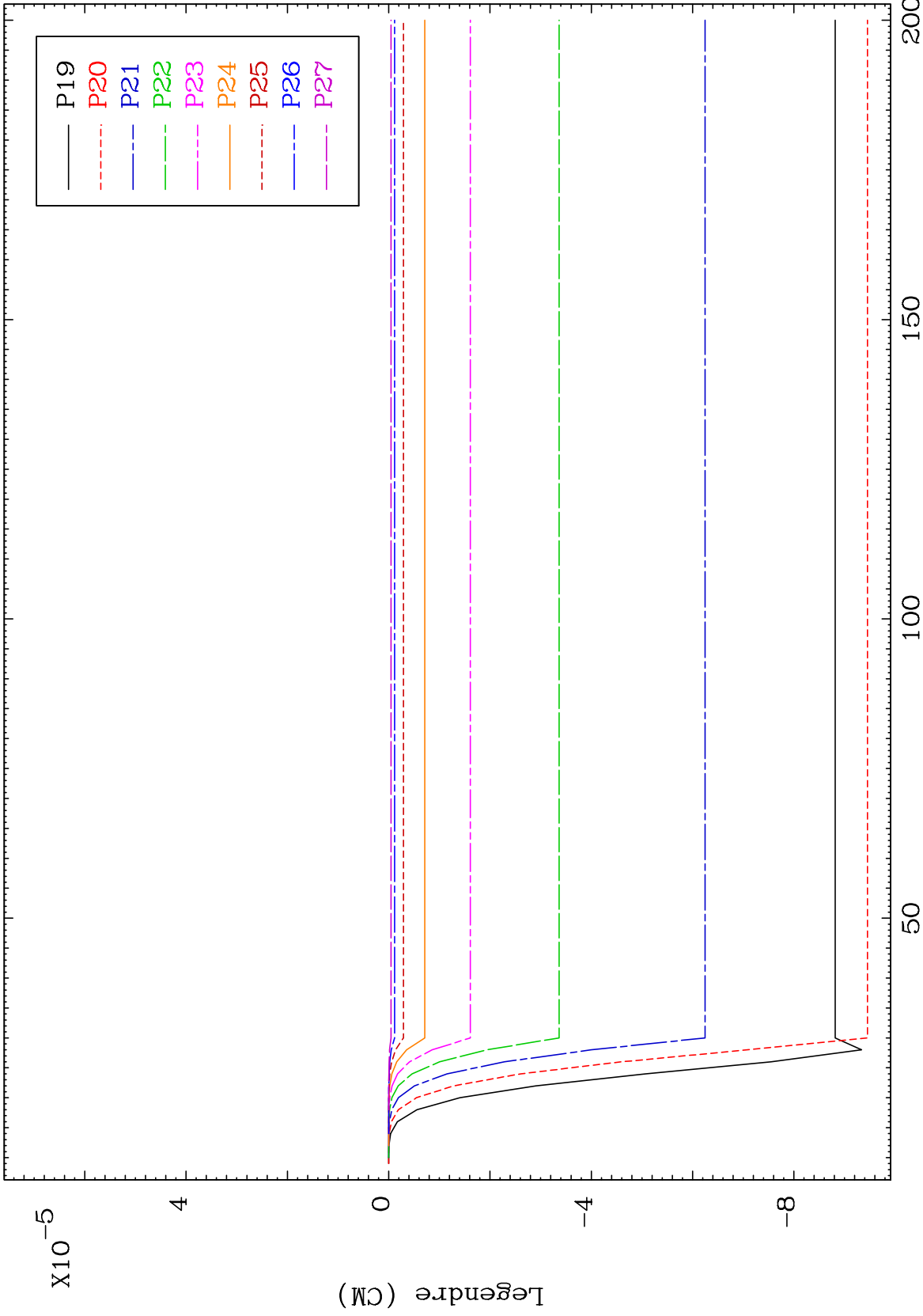




MAT 4416

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

44-Ru-93



55

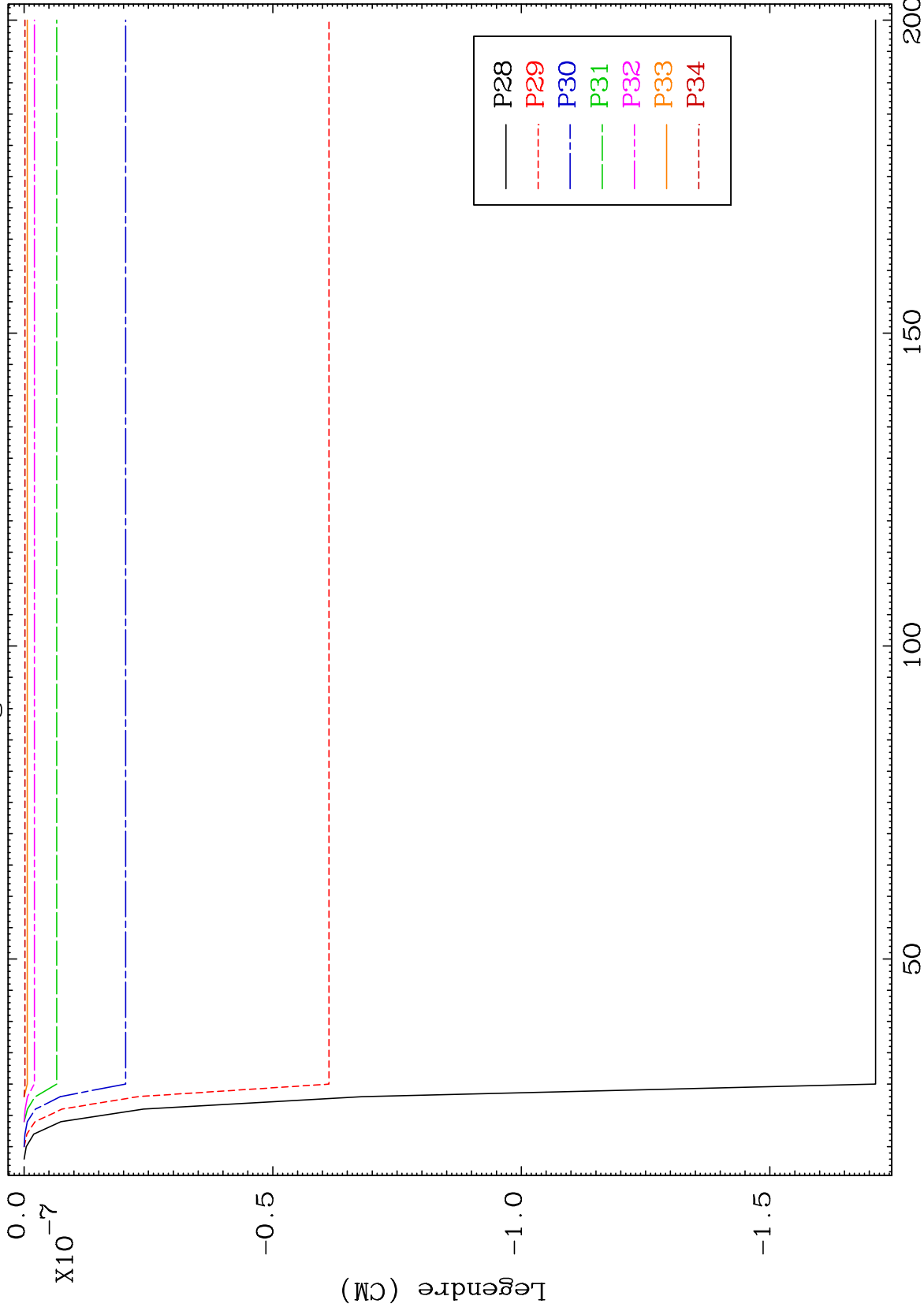
Incident Energy (MeV)

44-Ru-93

MAT 4416

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

44-Ru-93



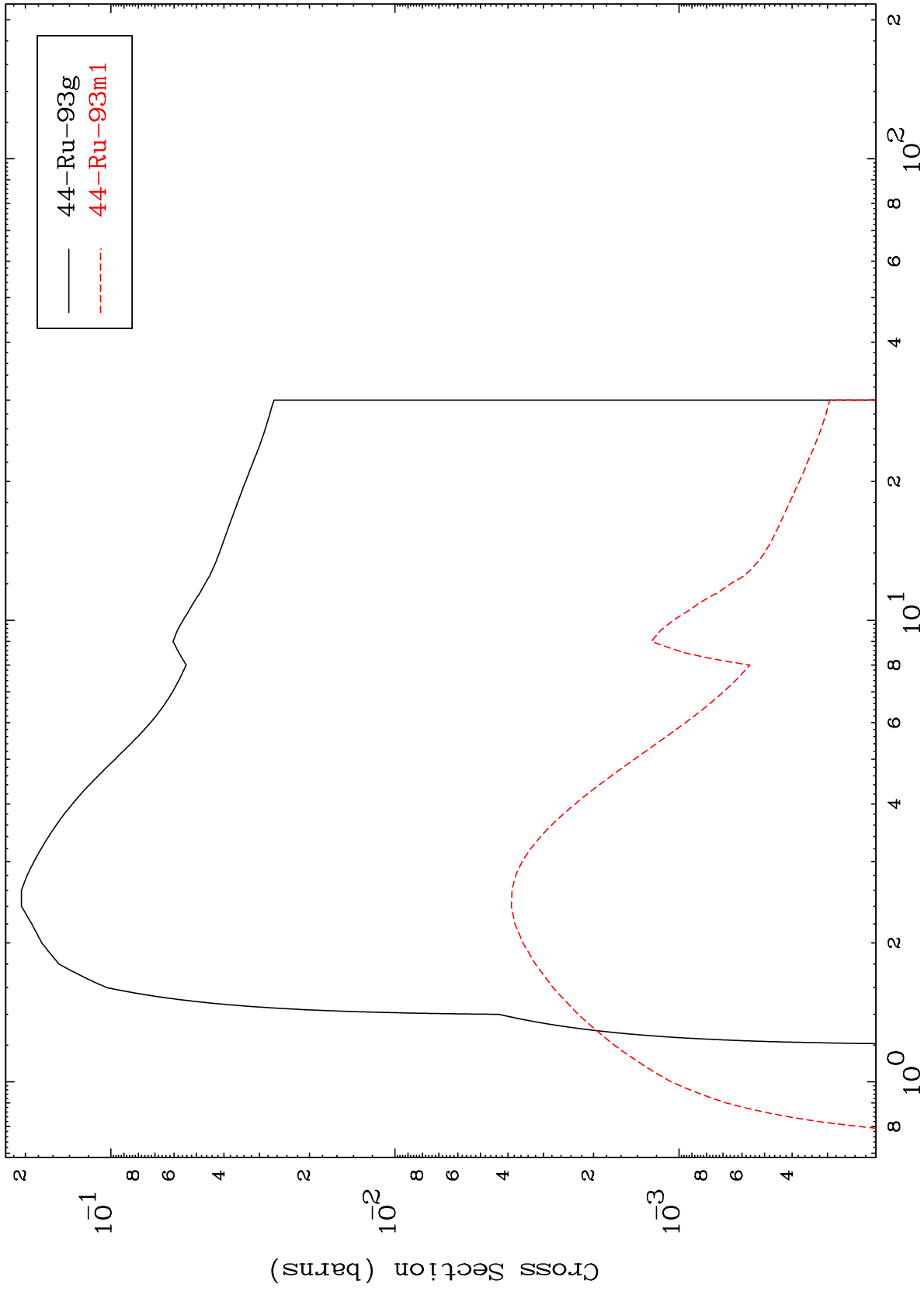
56

44-Ru-93

MAT 4416

44-Ru-93

Inelastic
Radionuclide Production Cross Section



57

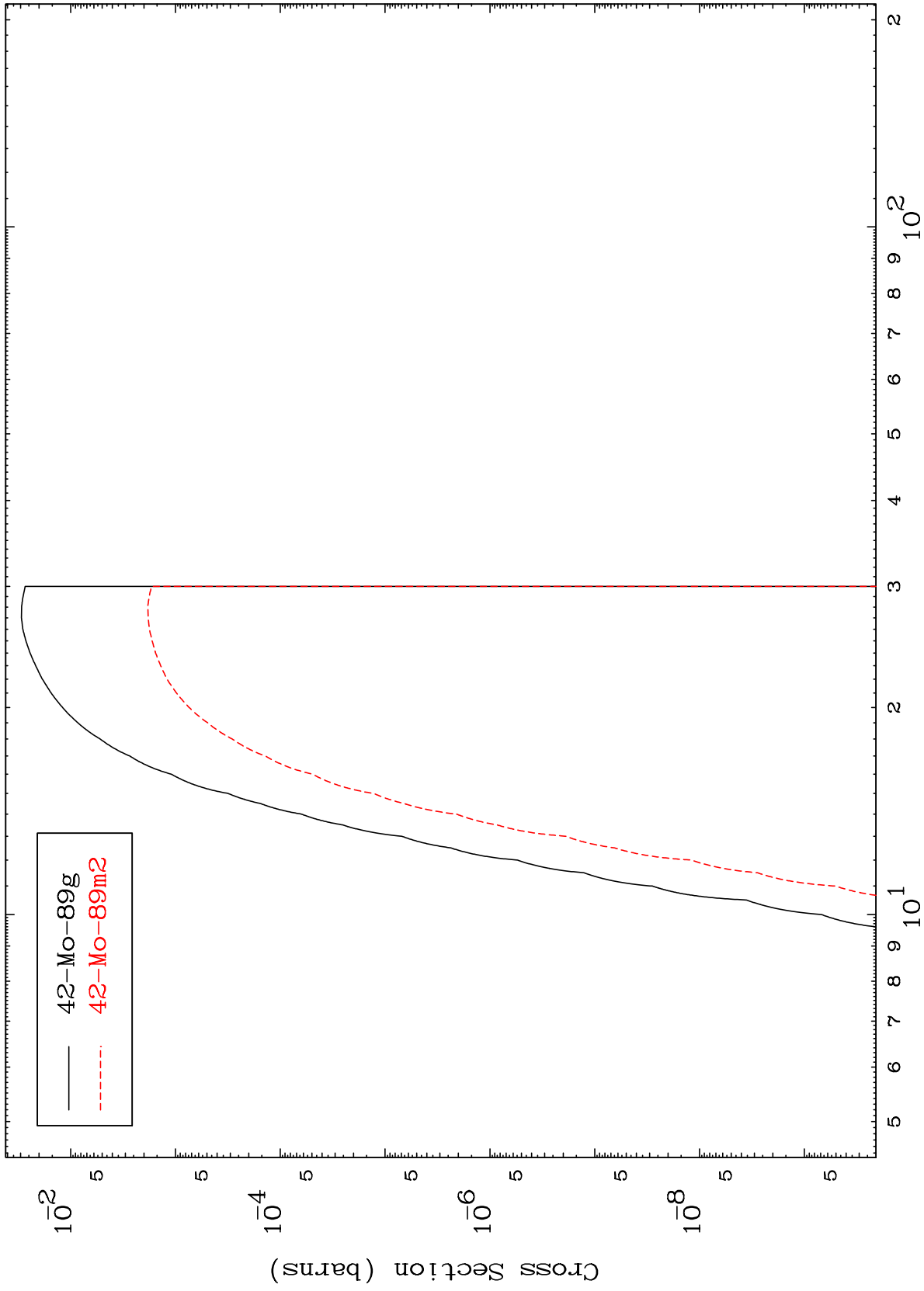
44-Ru-93

MAT 4416

(n,n') α

44-Ru-93

Radionuclide Production Cross Section



58

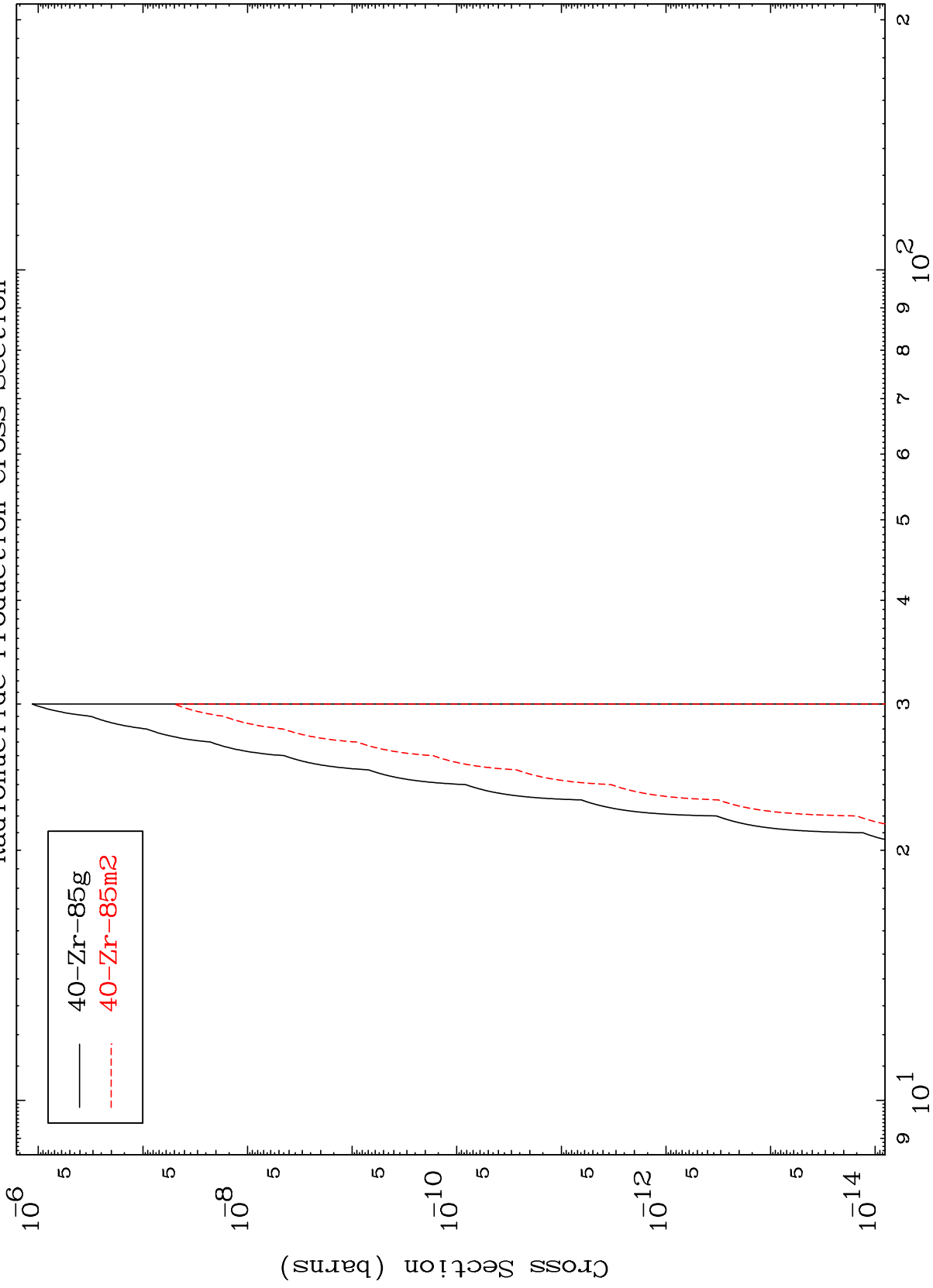
44-Ru-93

MAT 4416

(n,n') 2 α

44-Ru-93

Radionuclide Production Cross Section



59

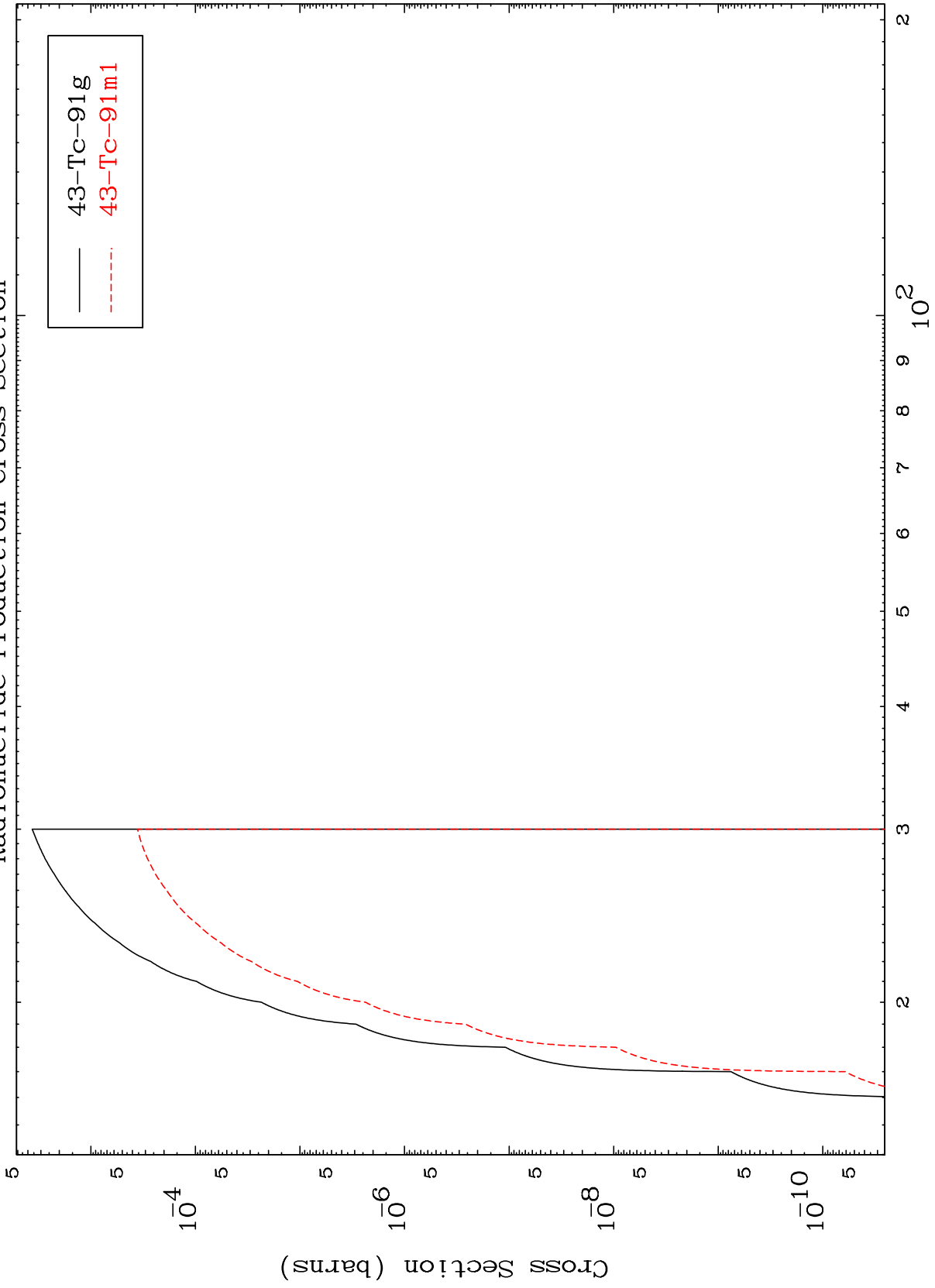
44-Ru-93

MAT 4416

(n,n') d

44-Ru-93

Radionuclide Production Cross Section



60

Incident Energy (MeV)

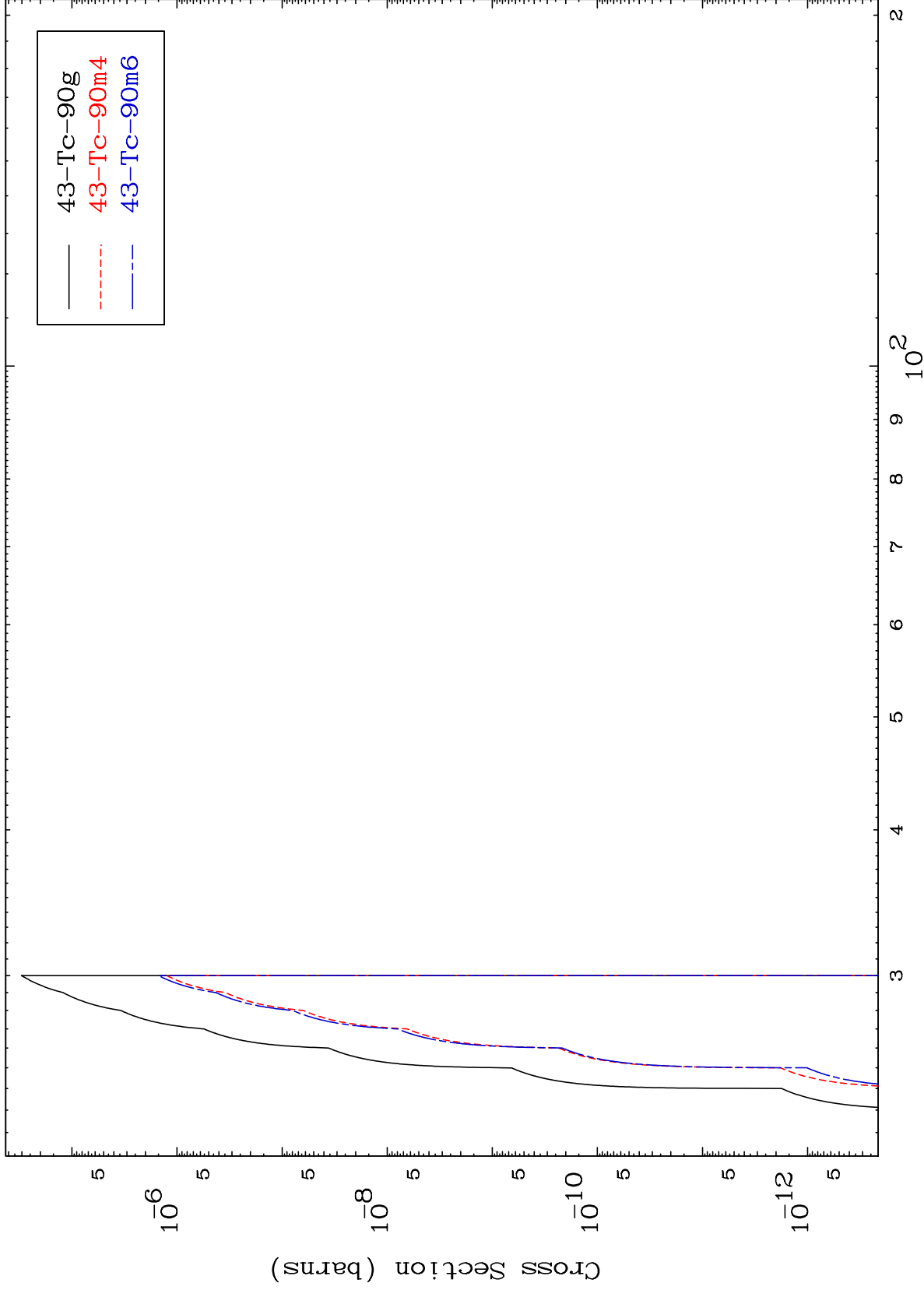
44-Ru-93

MAT 4416

(n,n') t

44-Ru-93

Radionuclide Production Cross Section



61

Incident Energy (MeV)

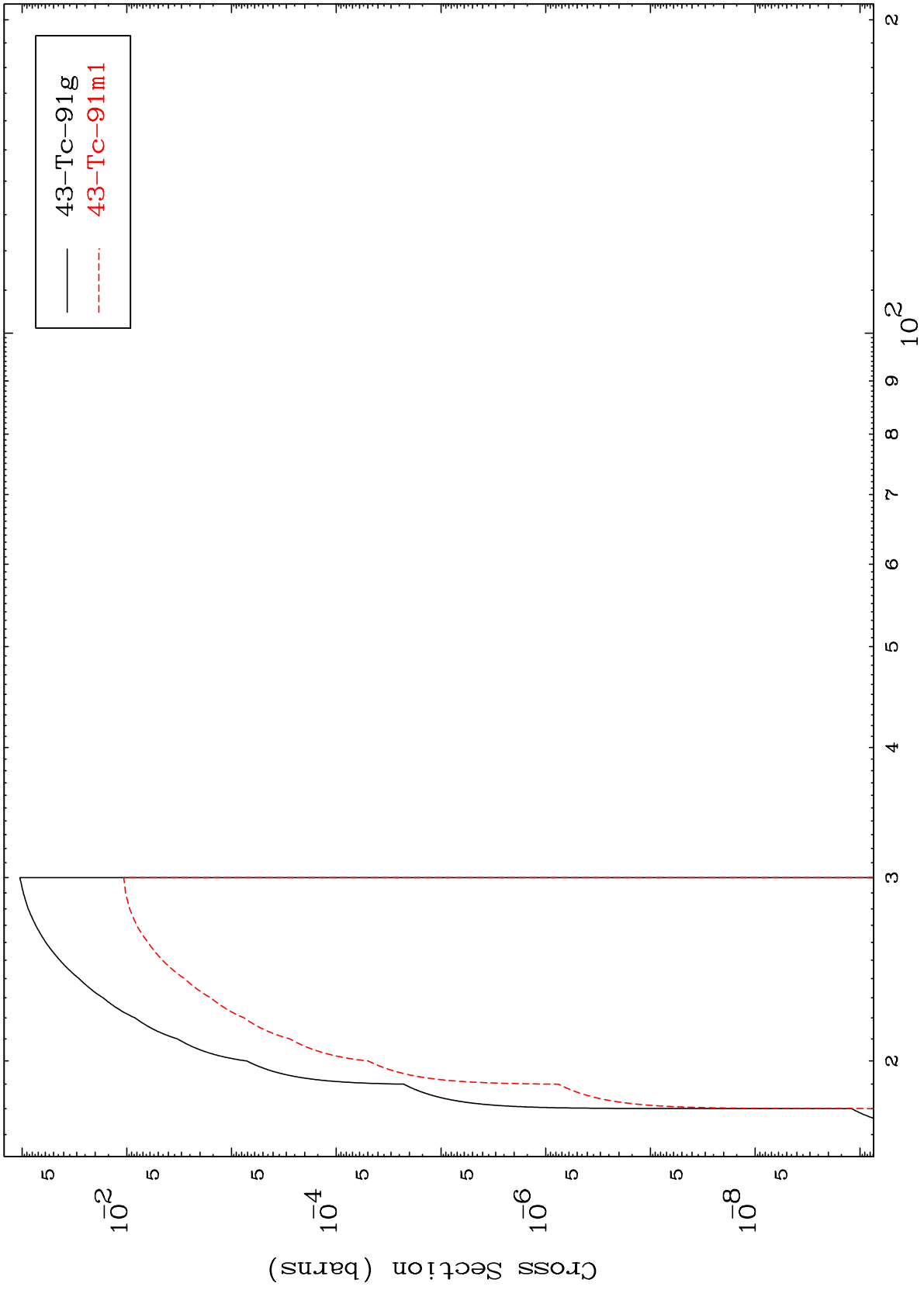
44-Ru-93

MAT 4416

(n,2n) p

44-Ru-93

Radionuclide Production Cross Section



62

Incident Energy (MeV)

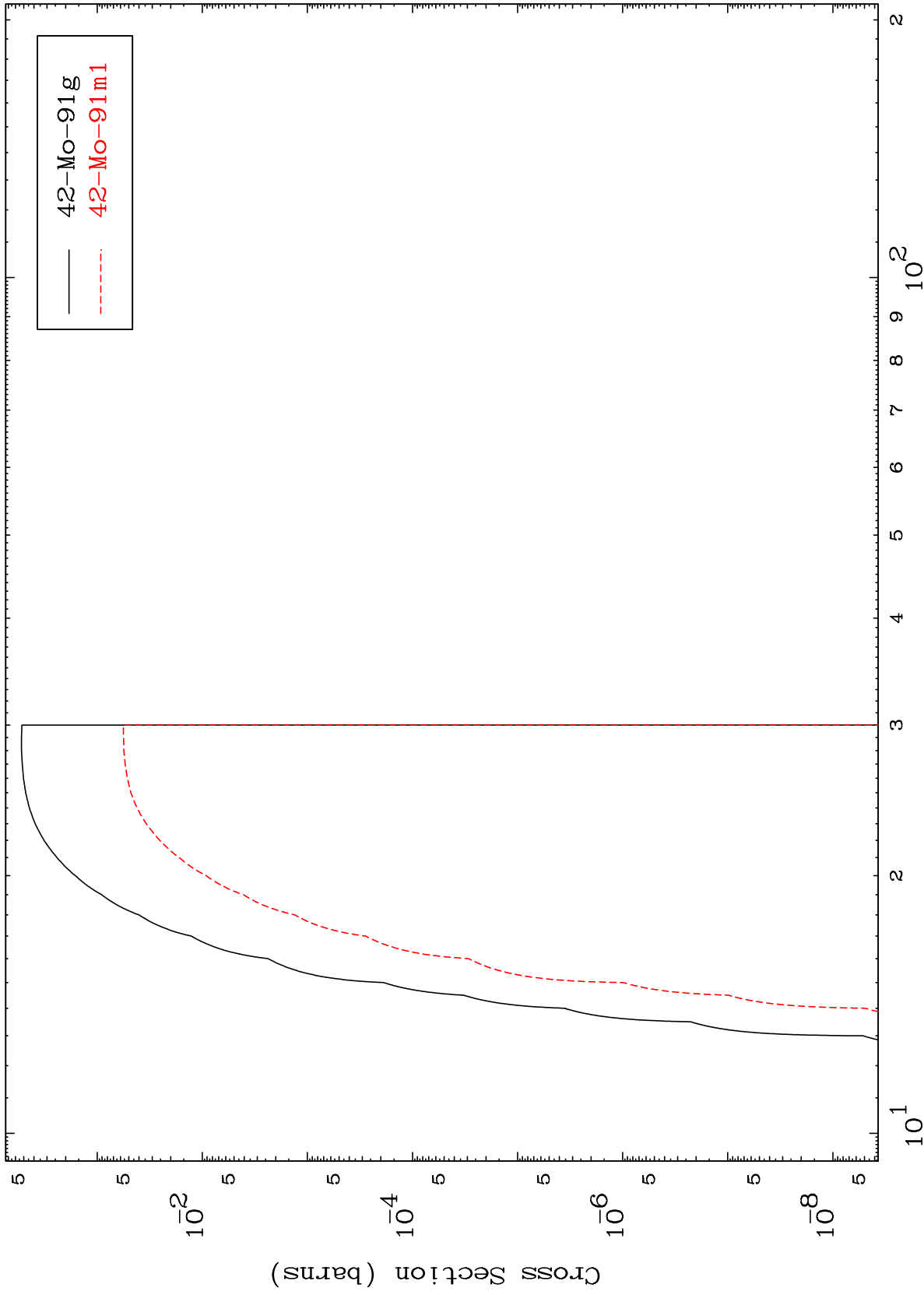
44-Ru-93

MAT 4416

(n,2n) p

44-Ru-93

Radionuclide Production Cross Section



63

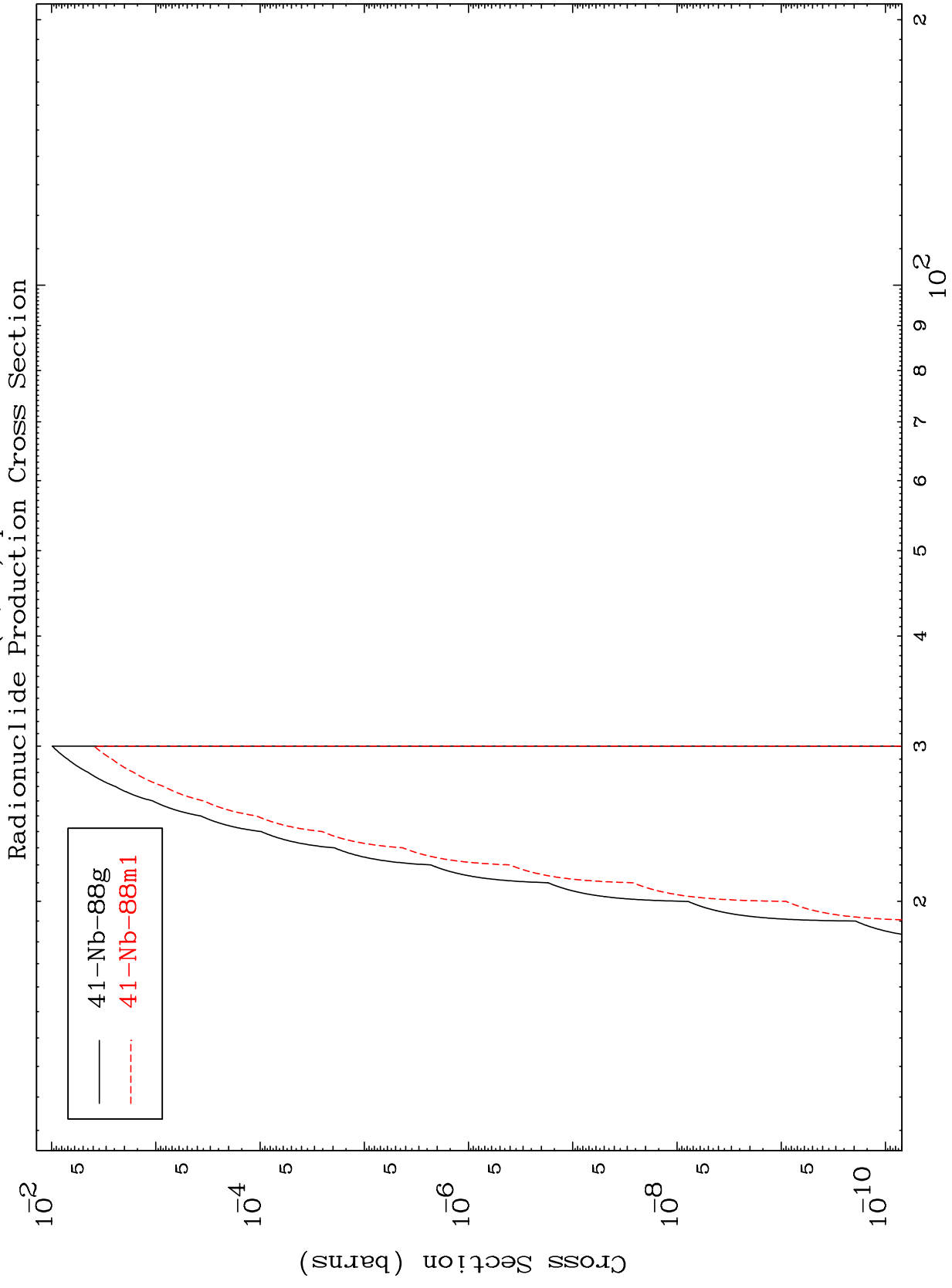
Incident Energy (MeV)

44-Ru-93

MAT 4416

(n,n') p α

44-Ru-93



64

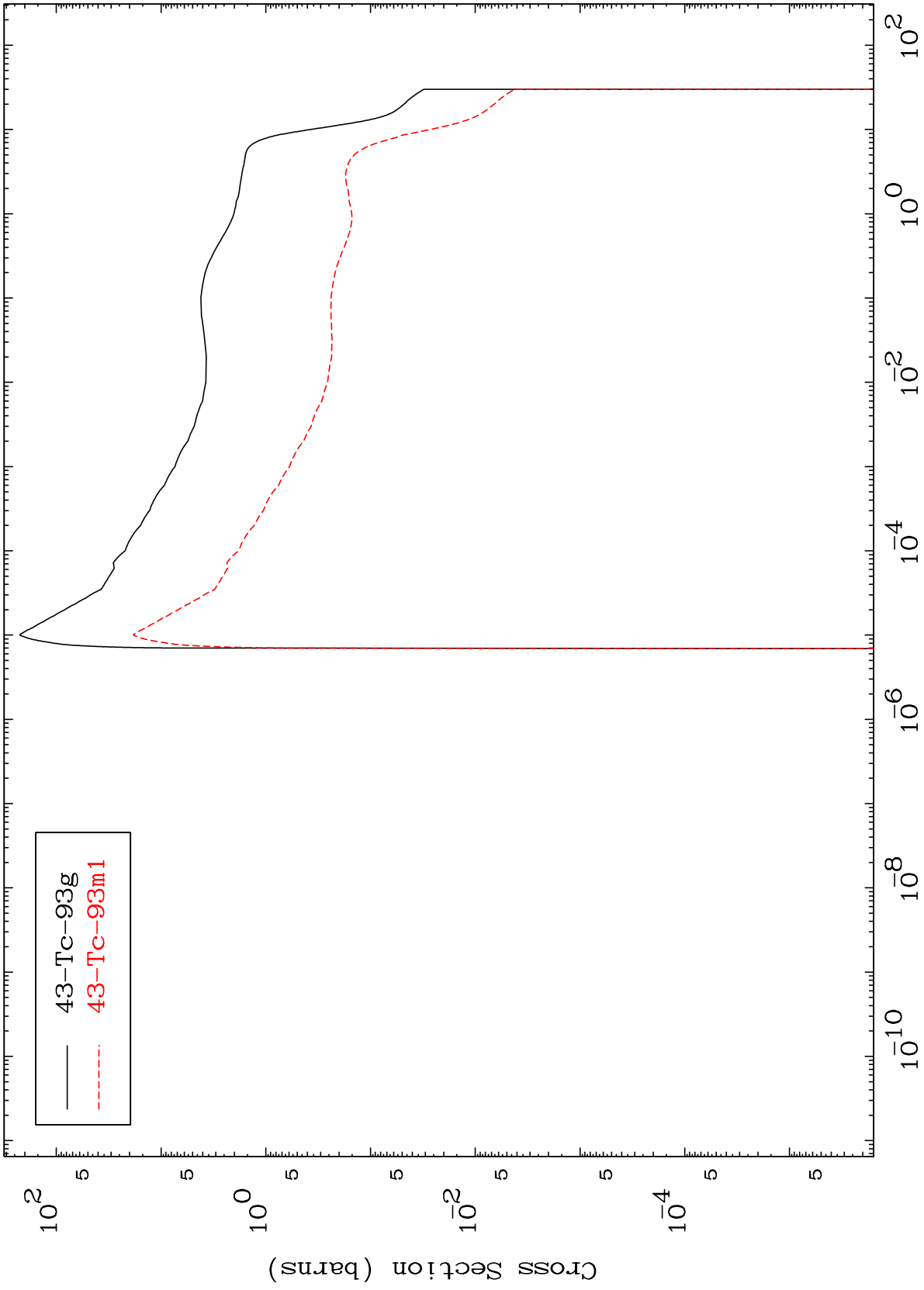
Incident Energy (MeV)

44-Ru-93

MAT 4416

44-Ru-93

(n,p)
Radionuclide Production Cross Section



— 43-Tc-93g
- - - 43-Tc-93m1

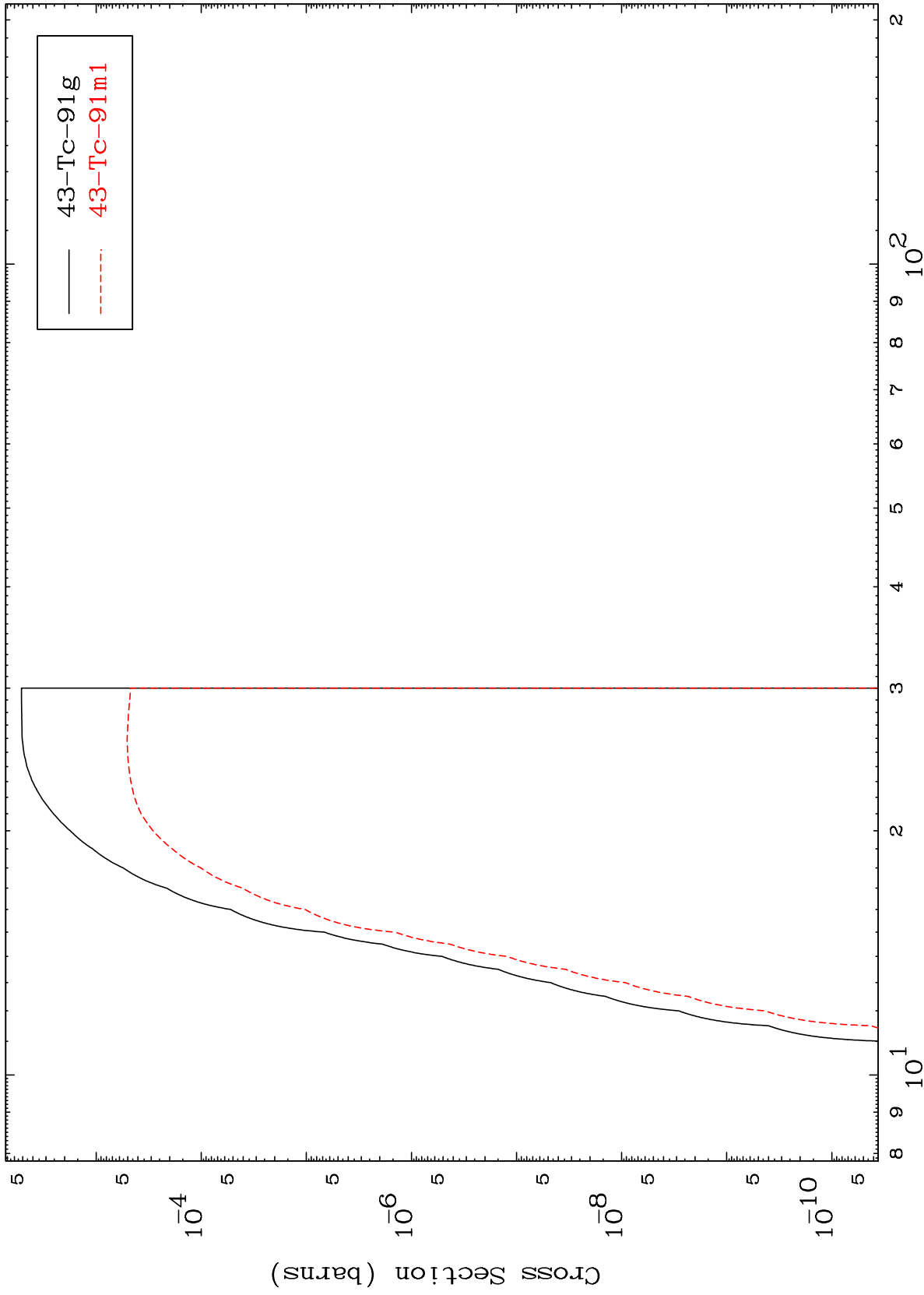
65

44-Ru-93

MAT 4416

44-Ru-93

(n, t)
Radionuclide Production Cross Section



66

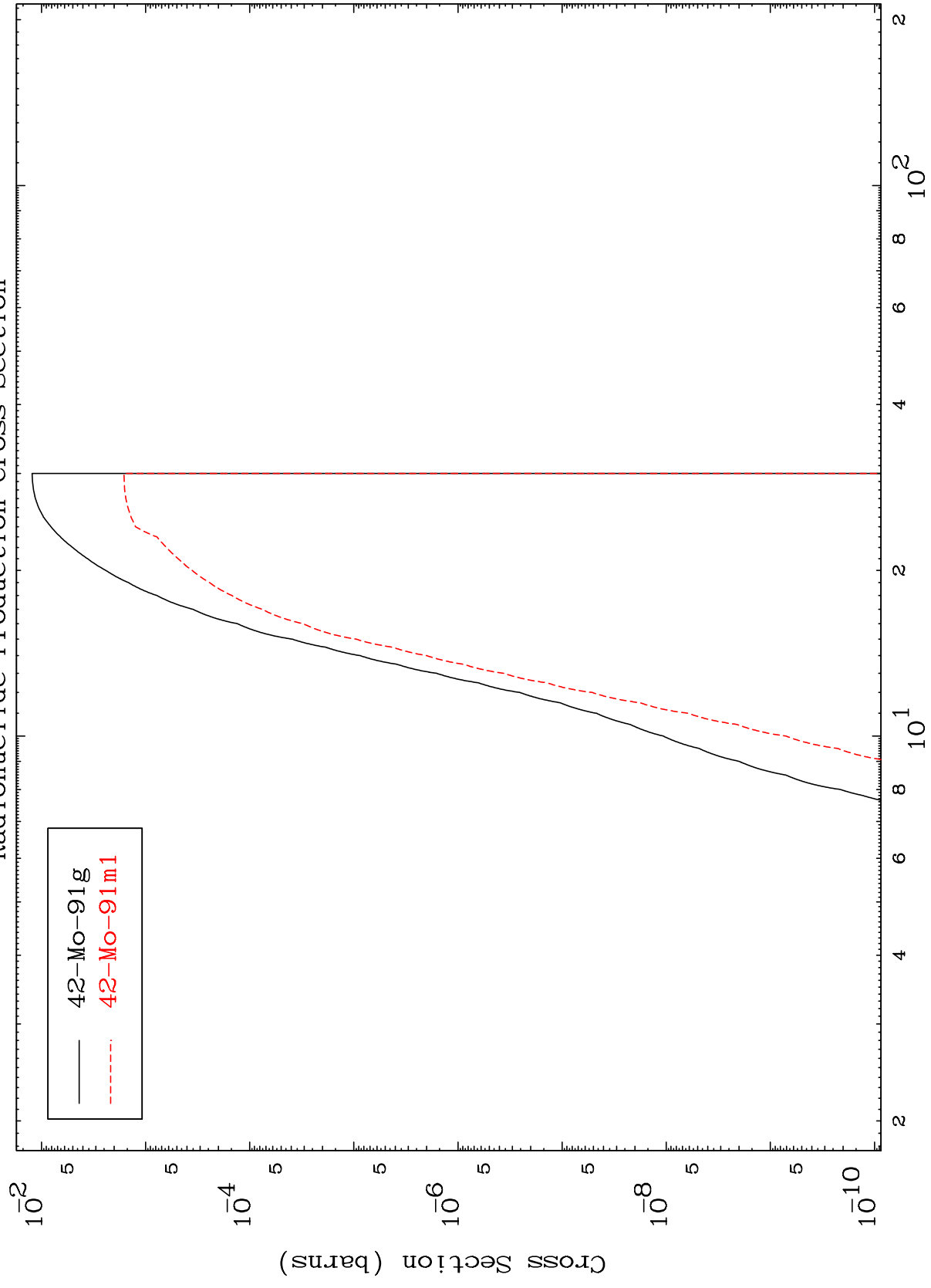
44-Ru-93

MAT 4416

(n, He-3)

44-Ru-93

Radionuclide Production Cross Section



67

Incident Energy (MeV)

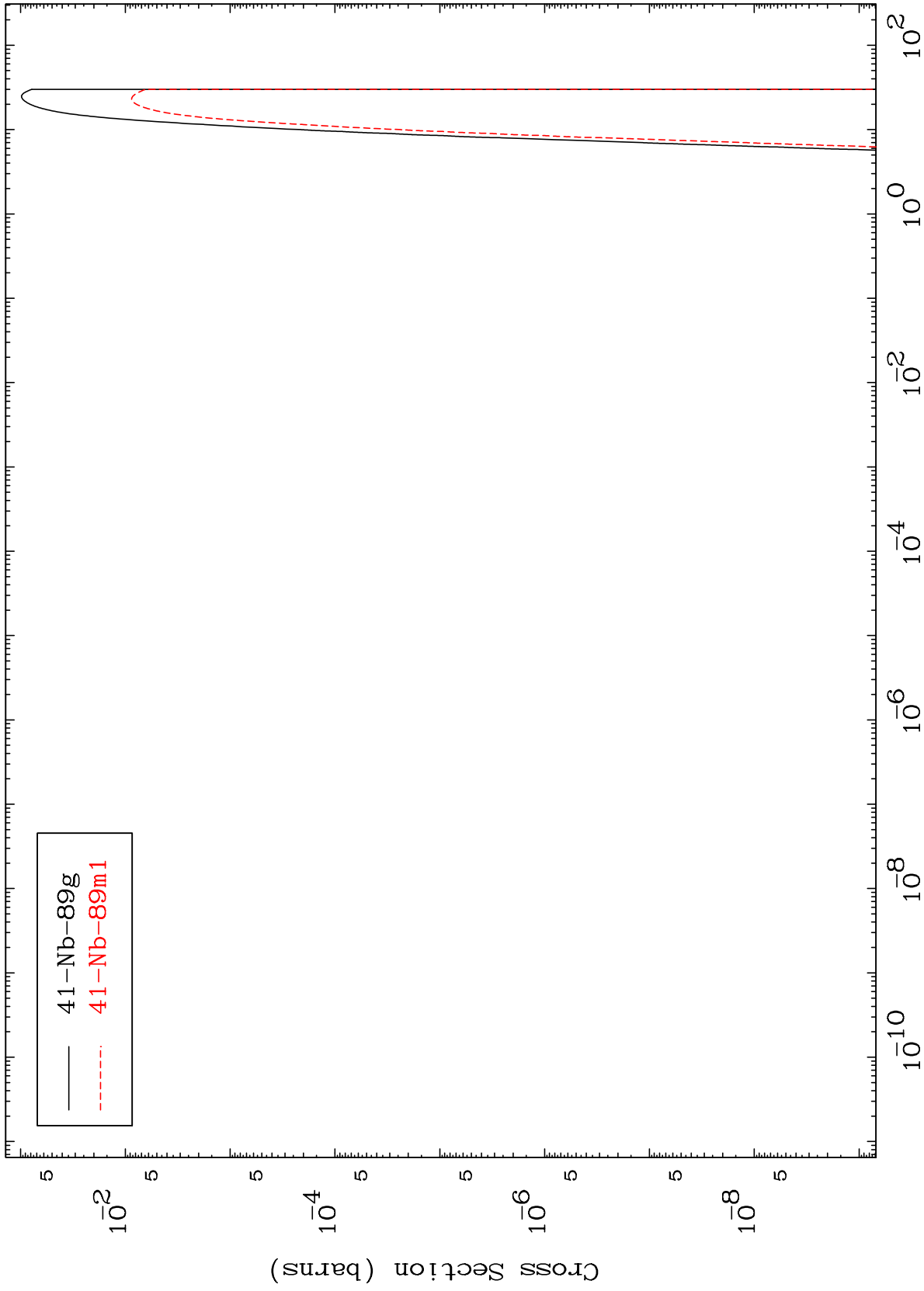
44-Ru-93

MAT 4416

(n,p) α

44-Ru-93

Radionuclide Production Cross Section



68

Incident Energy (MeV)

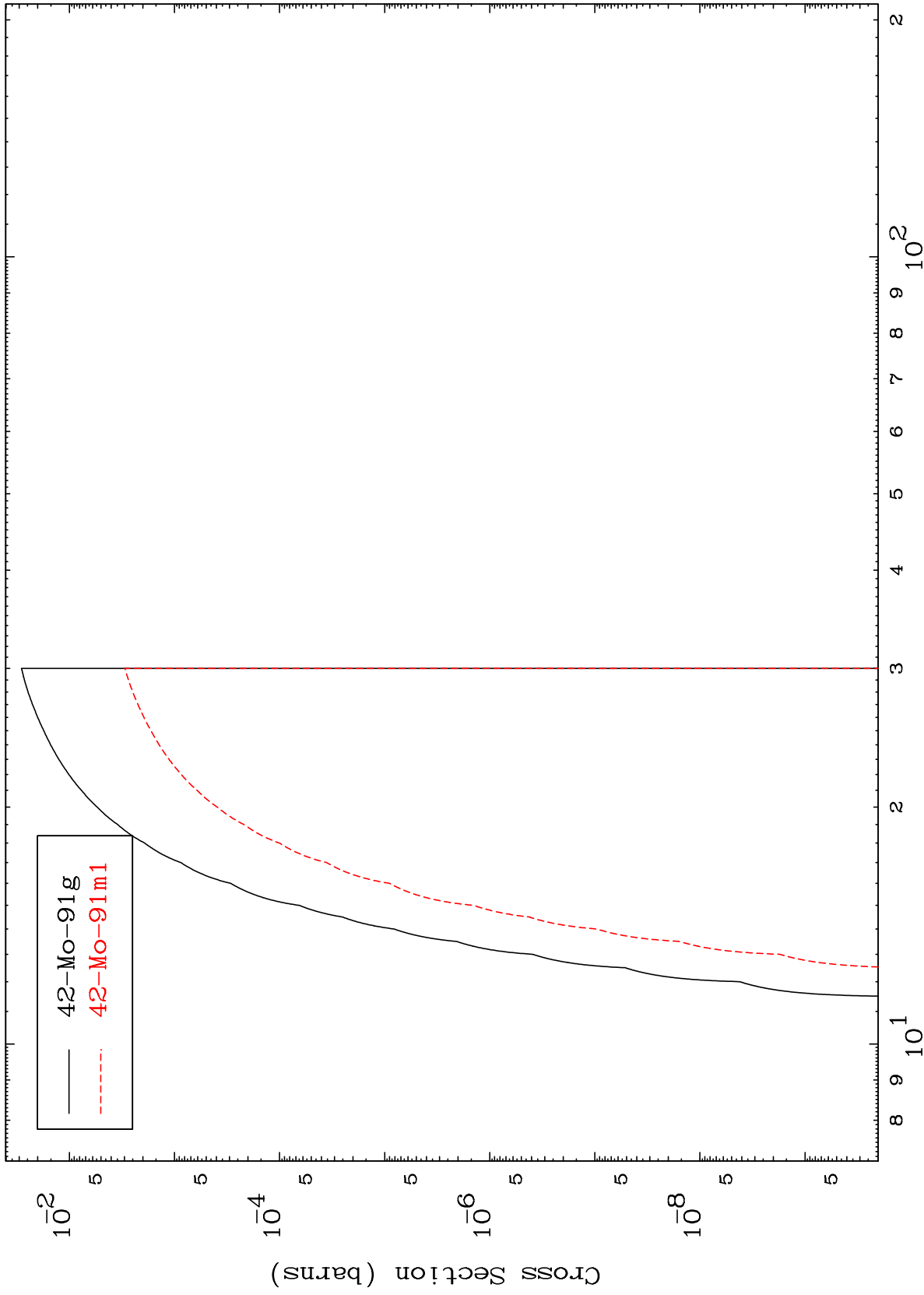
44-Ru-93

MAT 4416

(n,p) d

44-Ru-93

Radionuclide Production Cross Section



42-Mo-91g
42-Mo-91m1

69

Incident Energy (MeV)

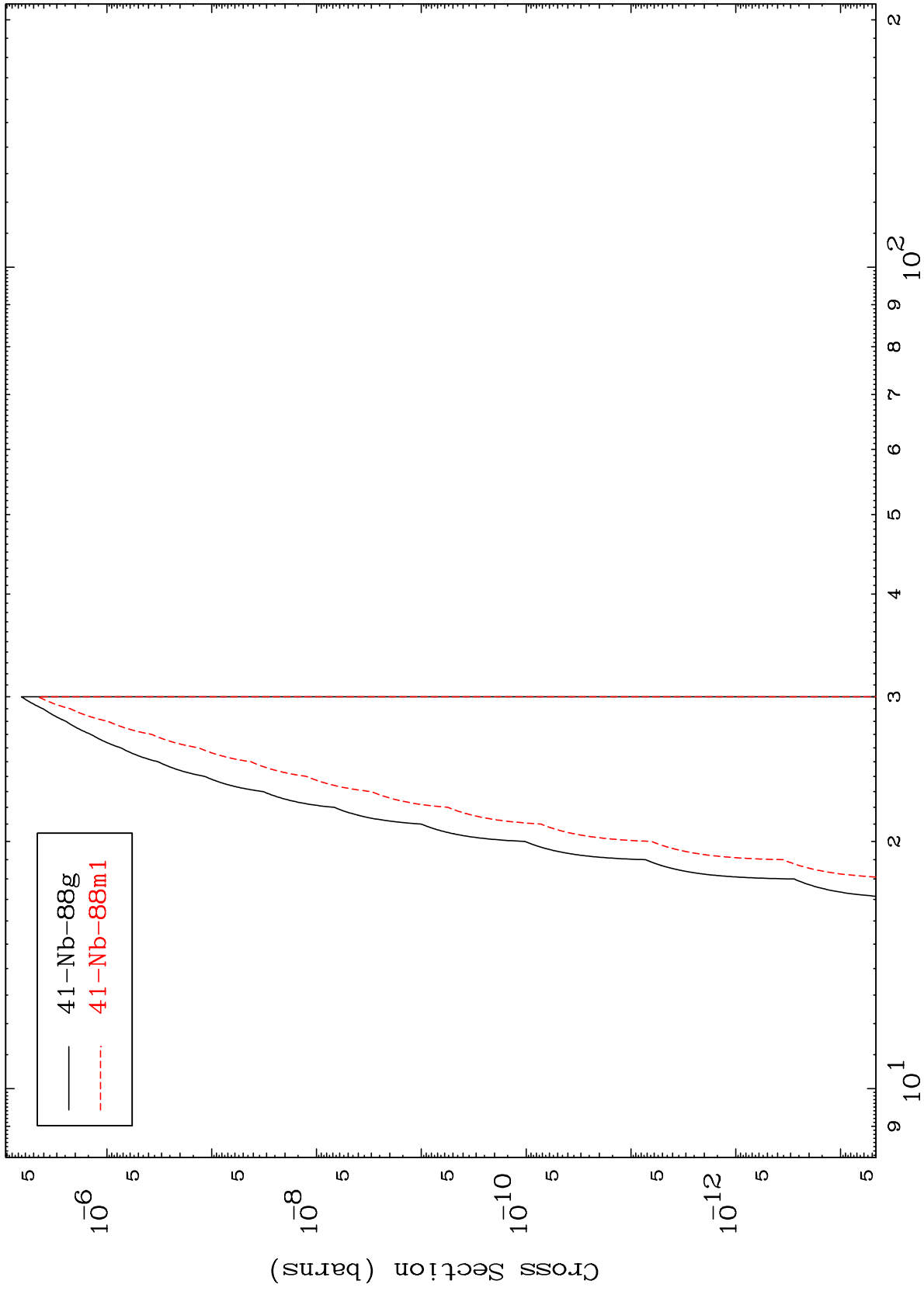
44-Ru-93

MAT 4416

(n,d) α

44-Ru-93

Radionuclide Production Cross Section



70

Incident Energy (MeV)

44-Ru-93