

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

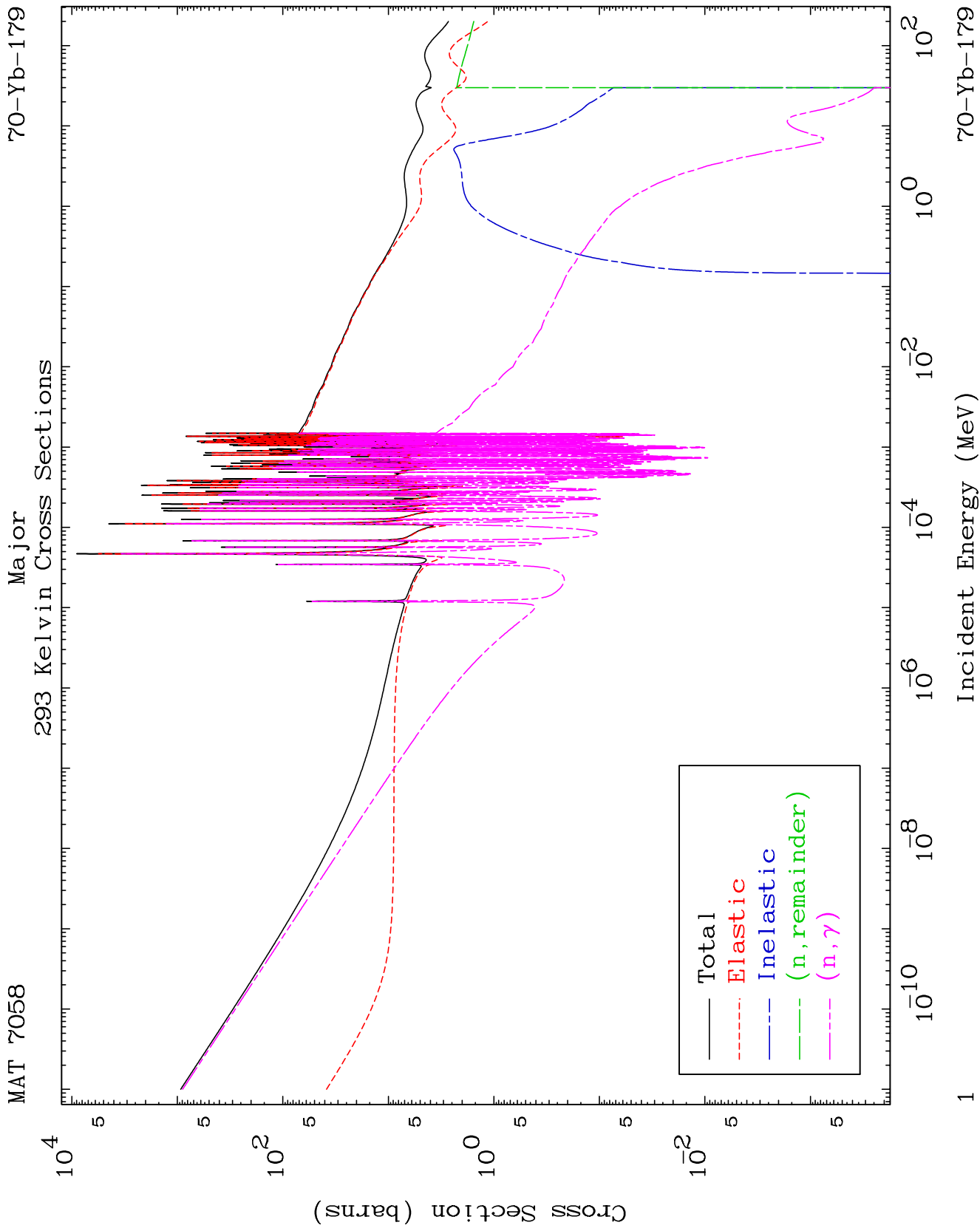
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

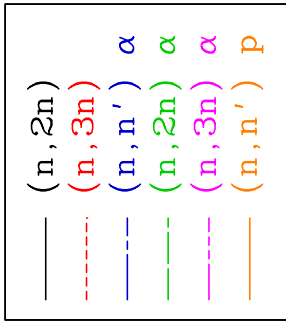
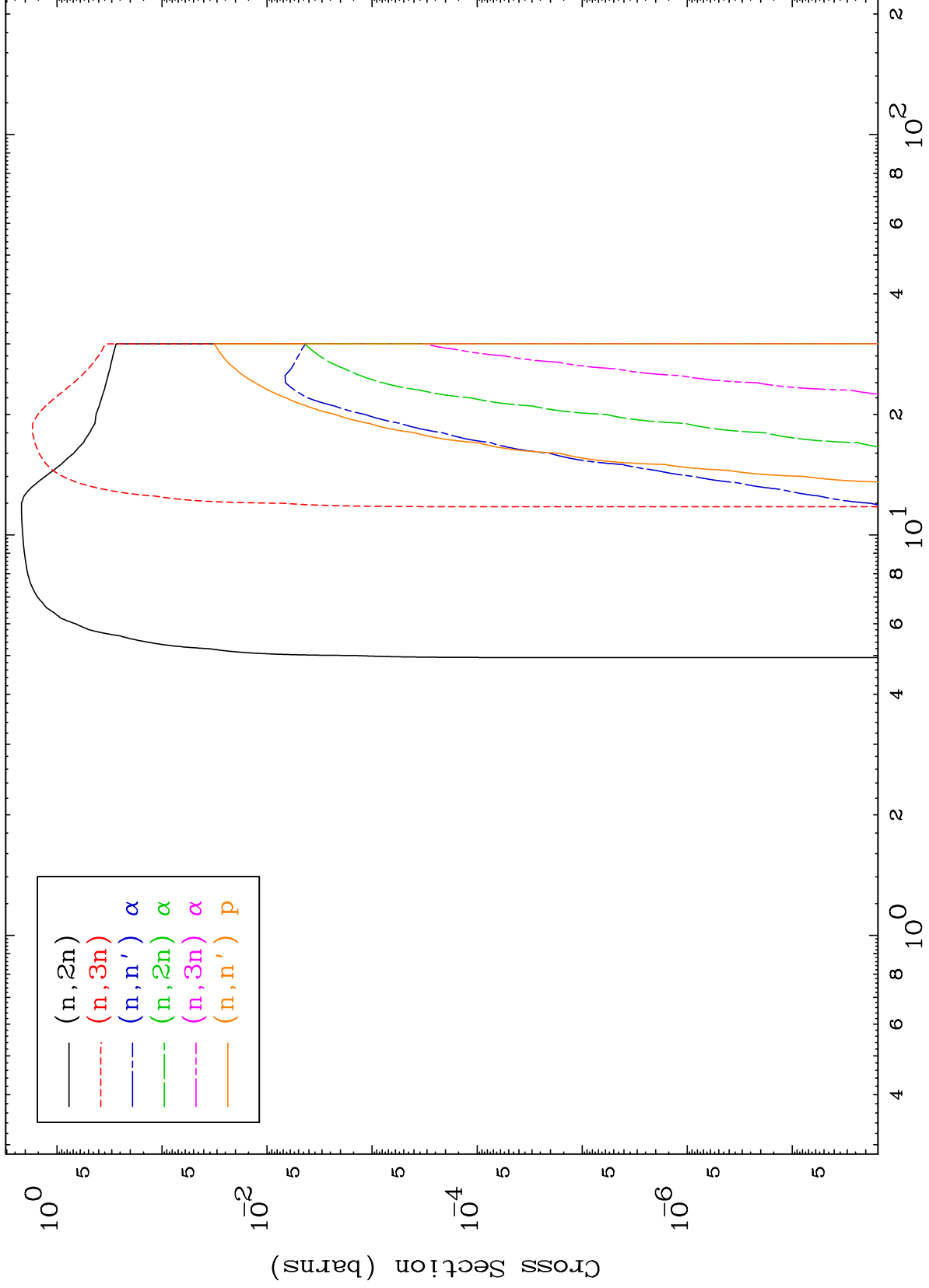
Press Mouse Button to Start

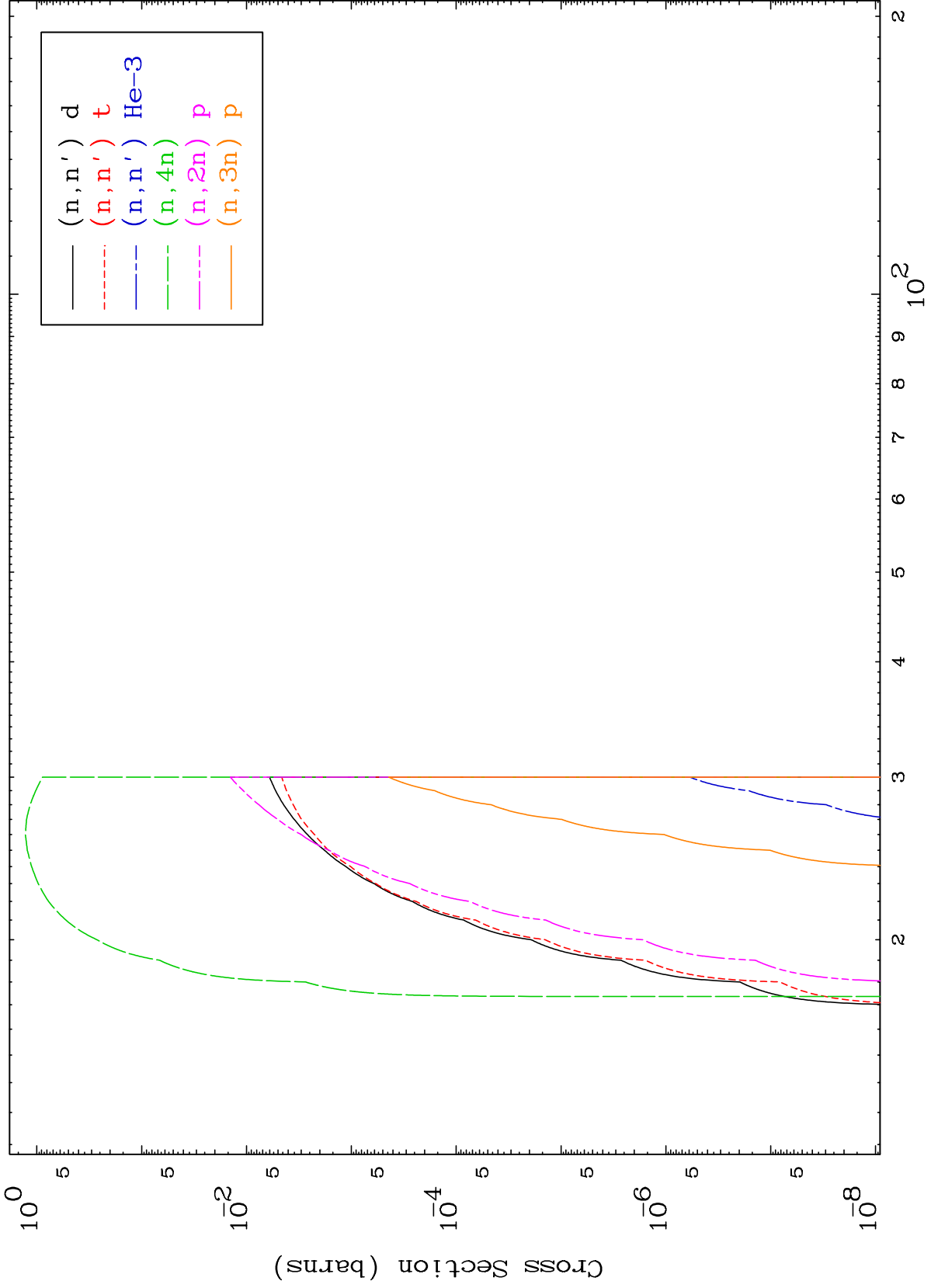


MAT 7058

Neutron Production
293 Kelvin Cross Sections

70-Yb-179

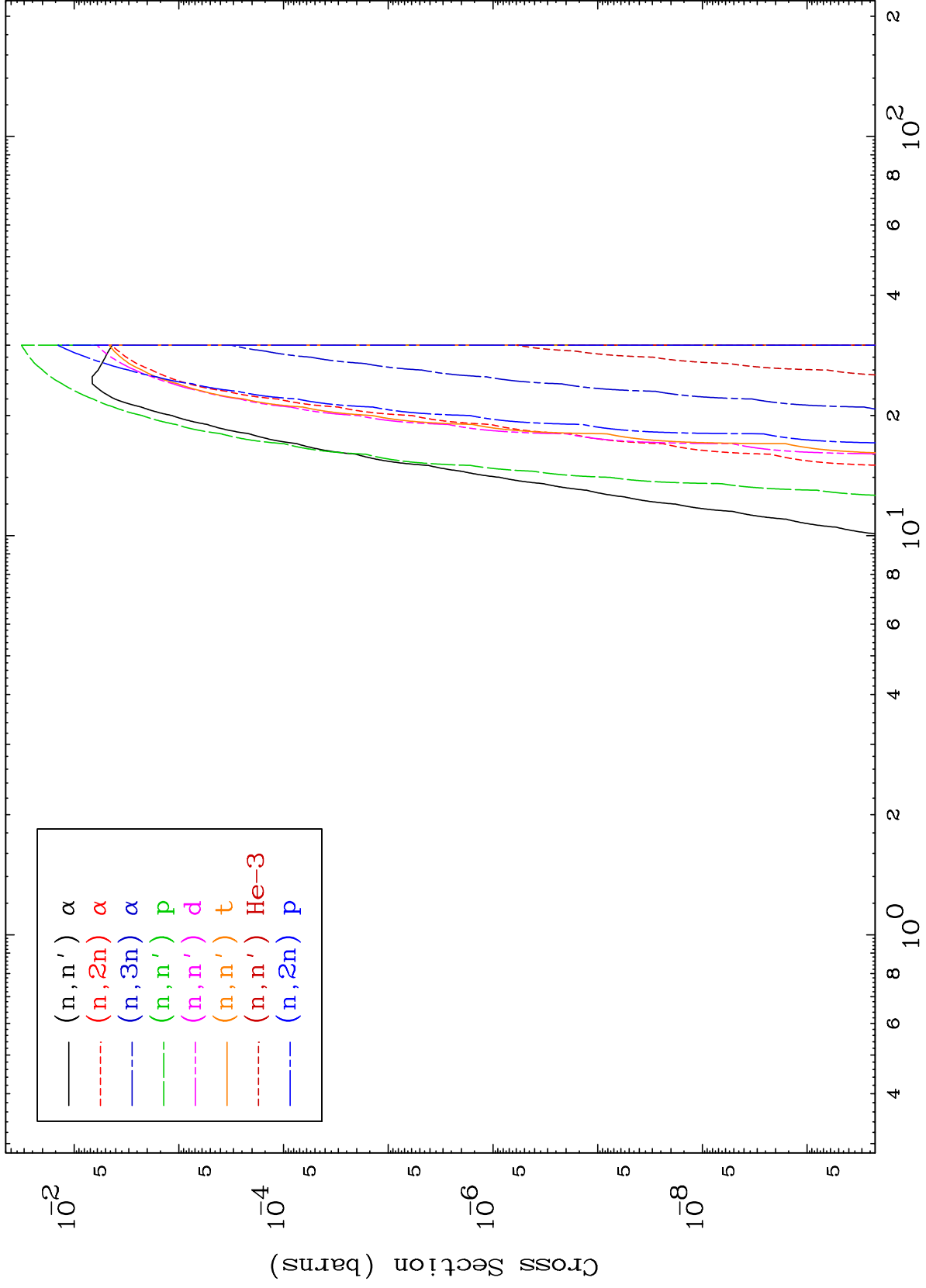




MAT 7058

293 Kelvin Cross Sections
Charged Particle

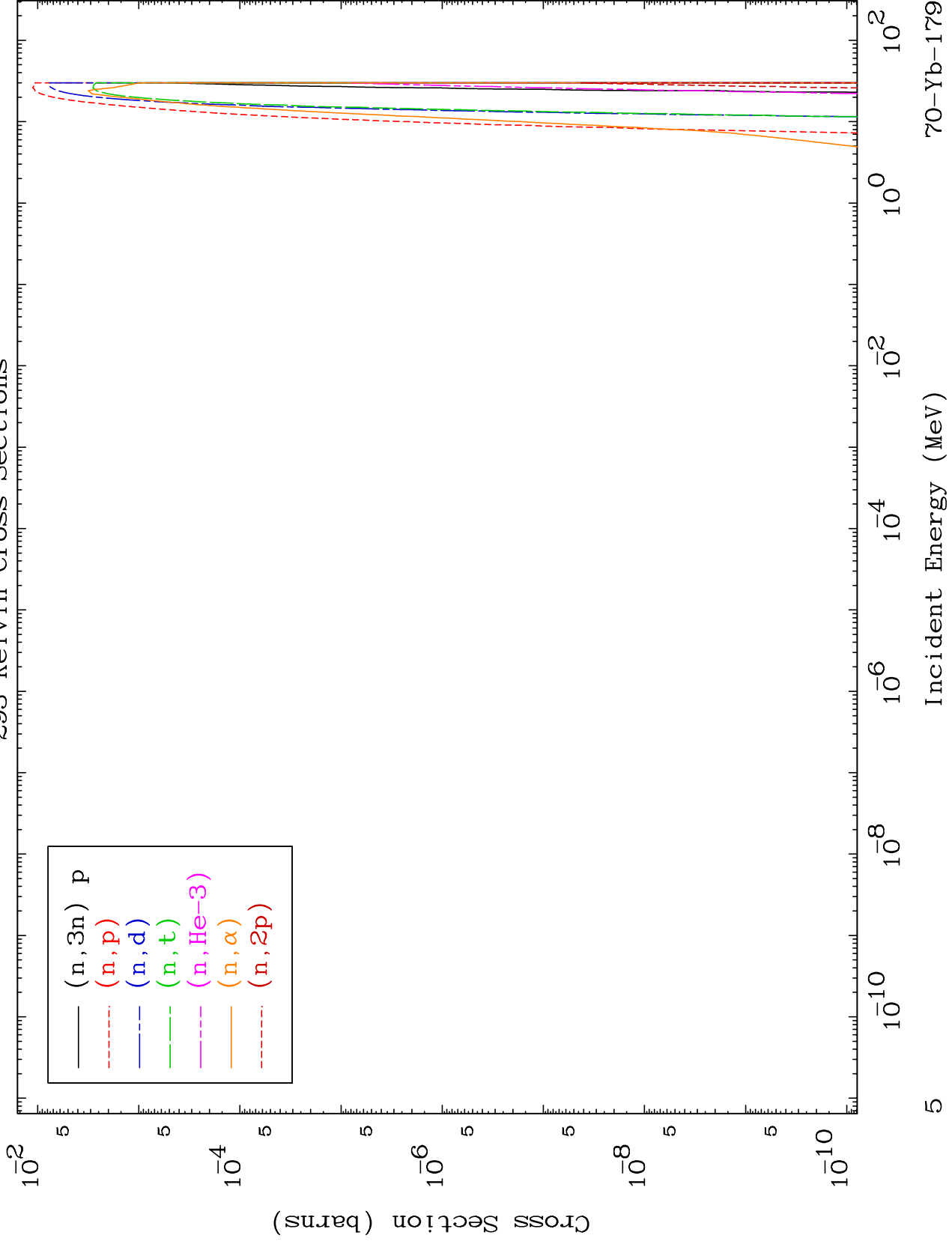
70-Yb-179

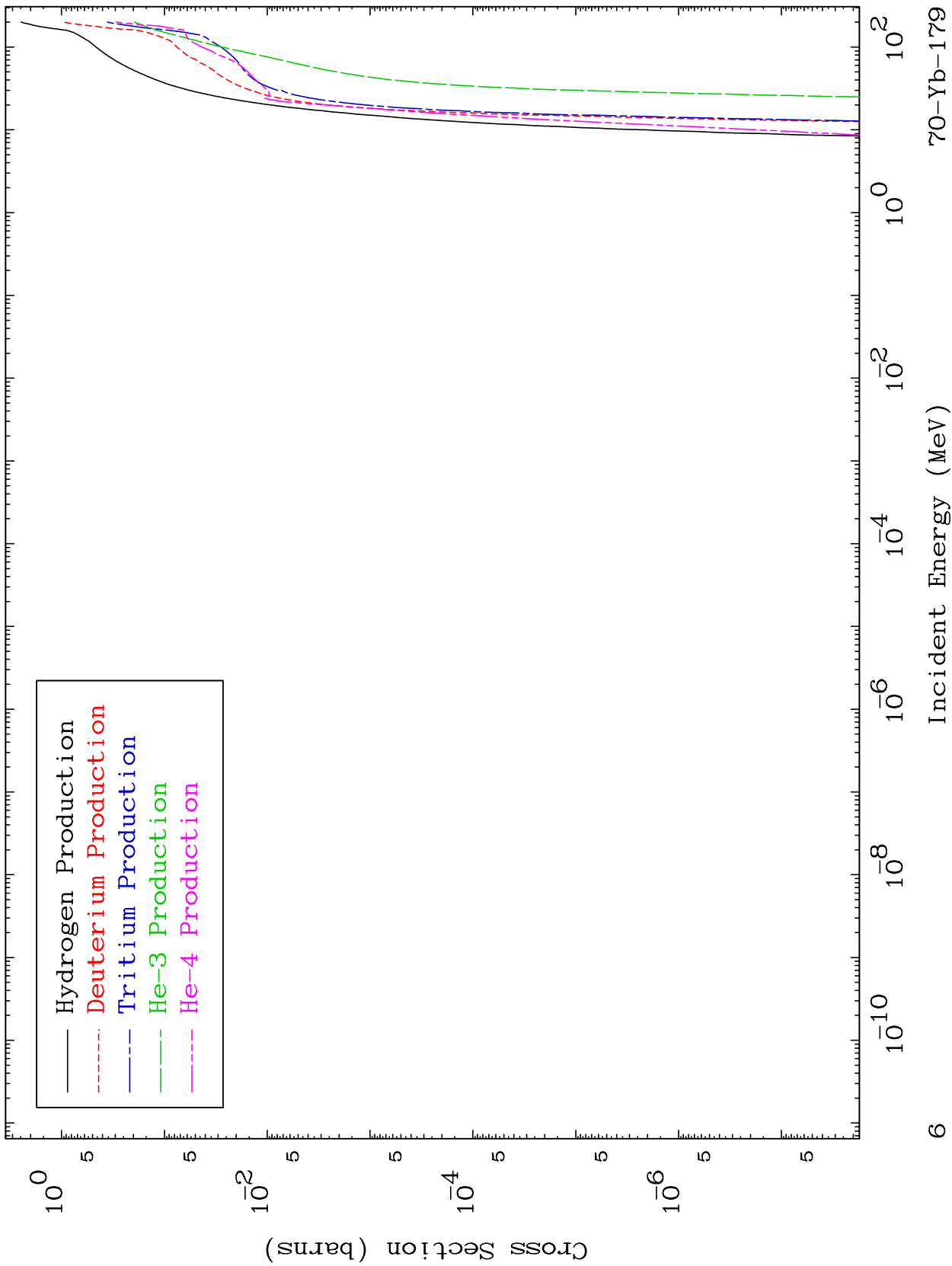


MAT 7058

Charged Particle
293 Kelvin Cross Sections

70-Yb-179



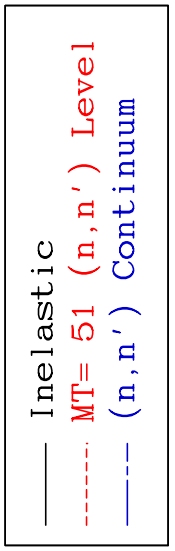
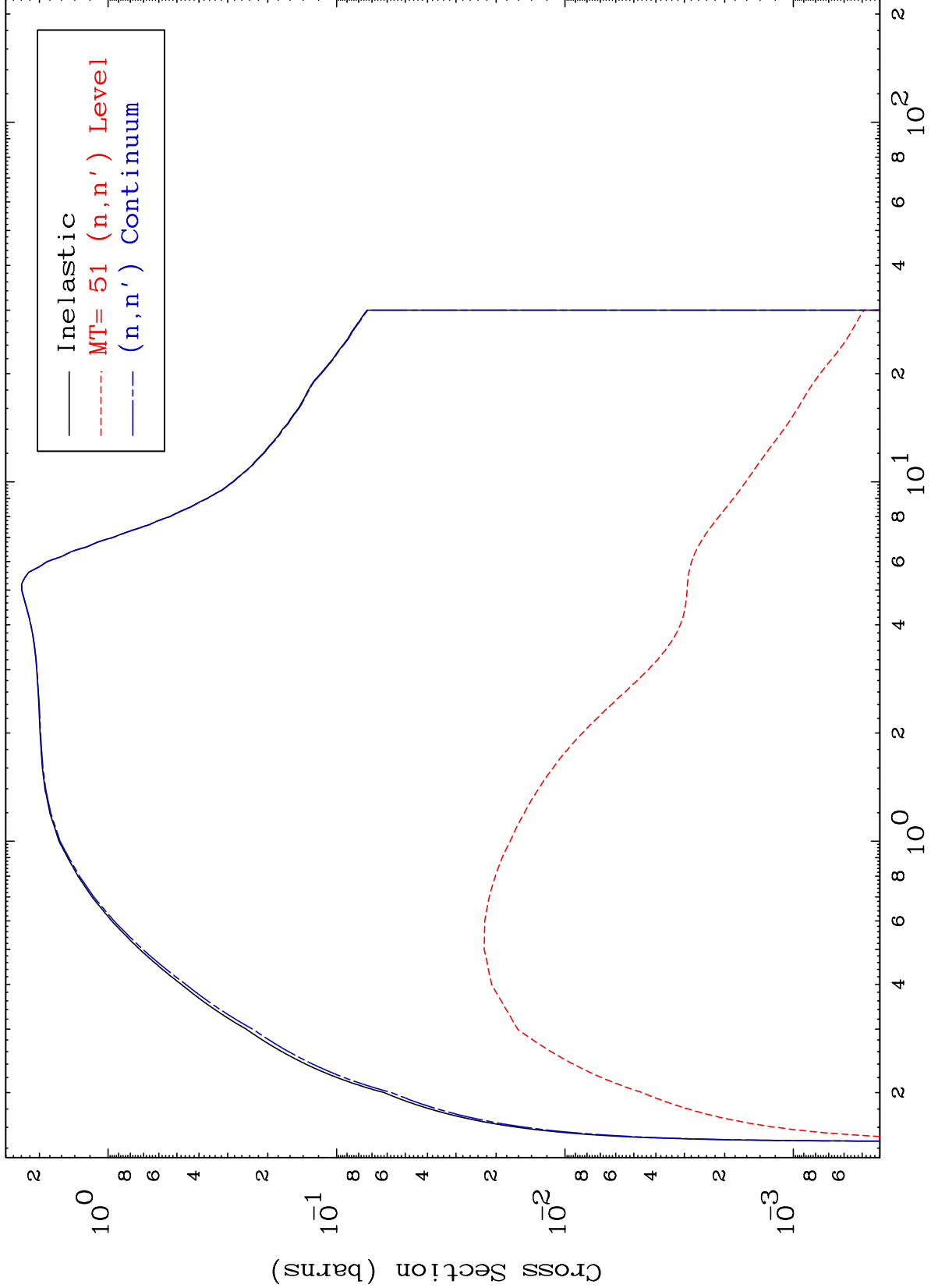


MAT 7058

(n,n') Level

70-Yb-179

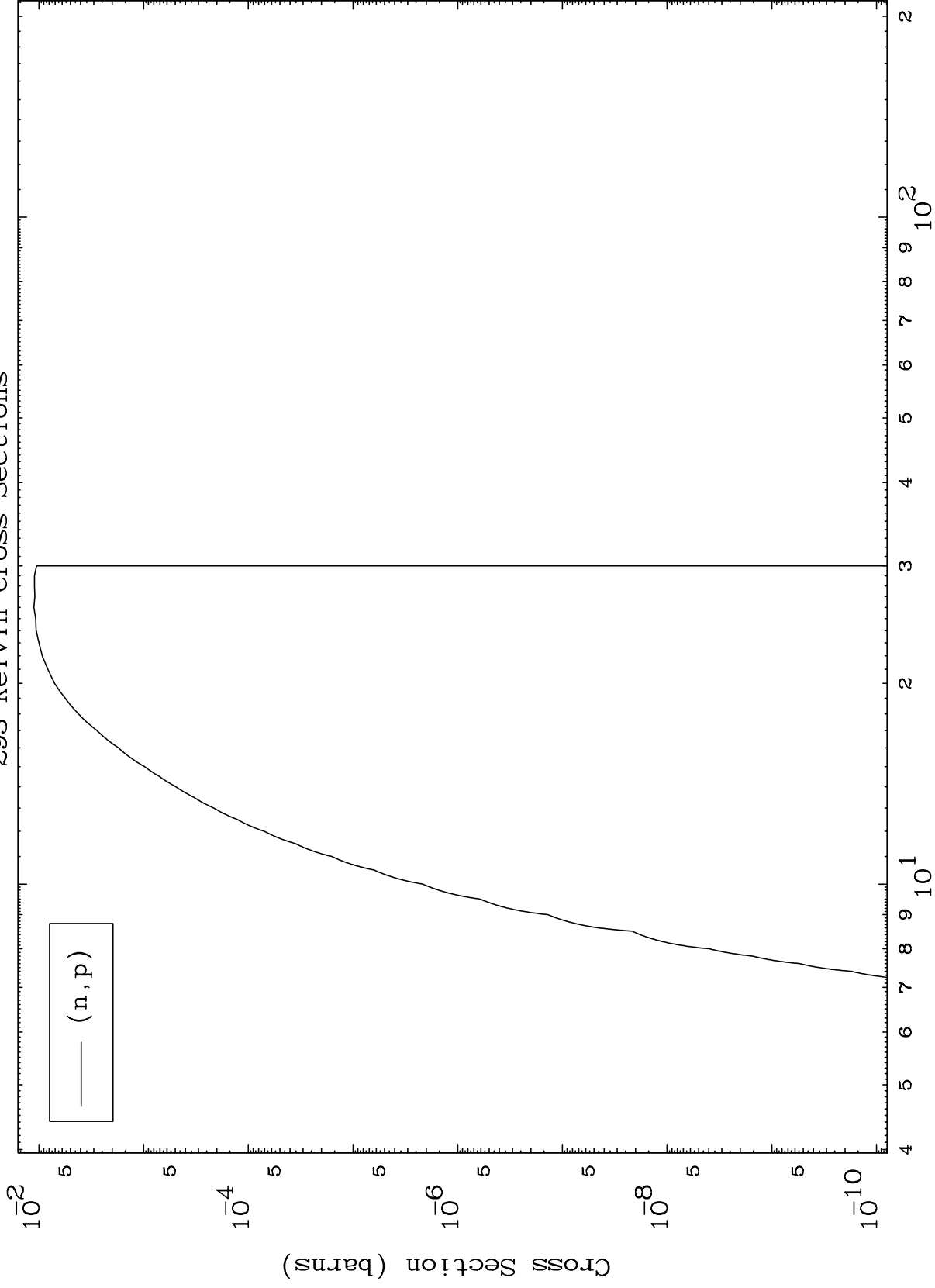
293 Kelvin Cross Sections



MAT 7058

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-179



(n,p)

8

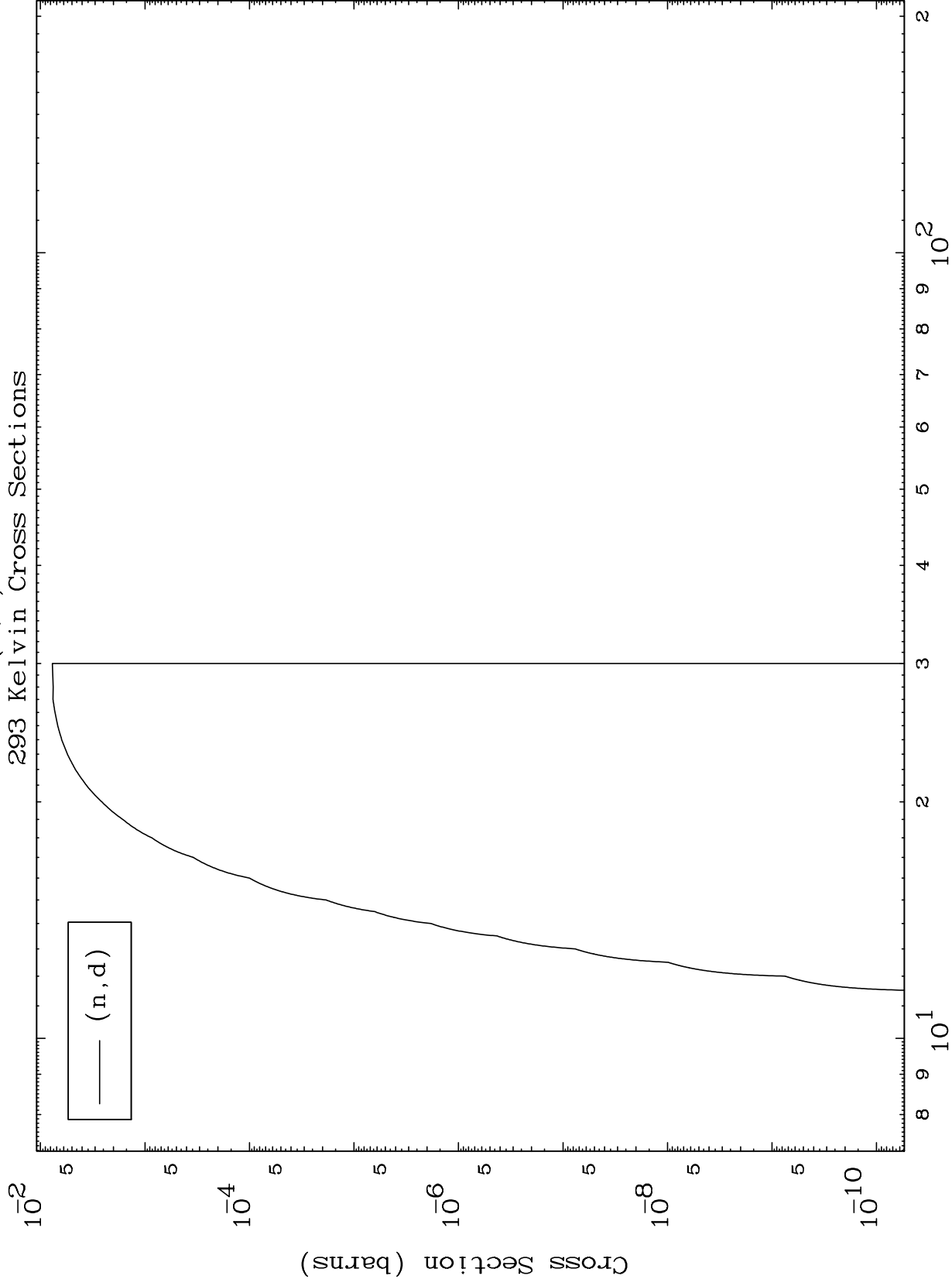
Incident Energy (MeV)

70-Yb-179

MAT 7058

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-179



9

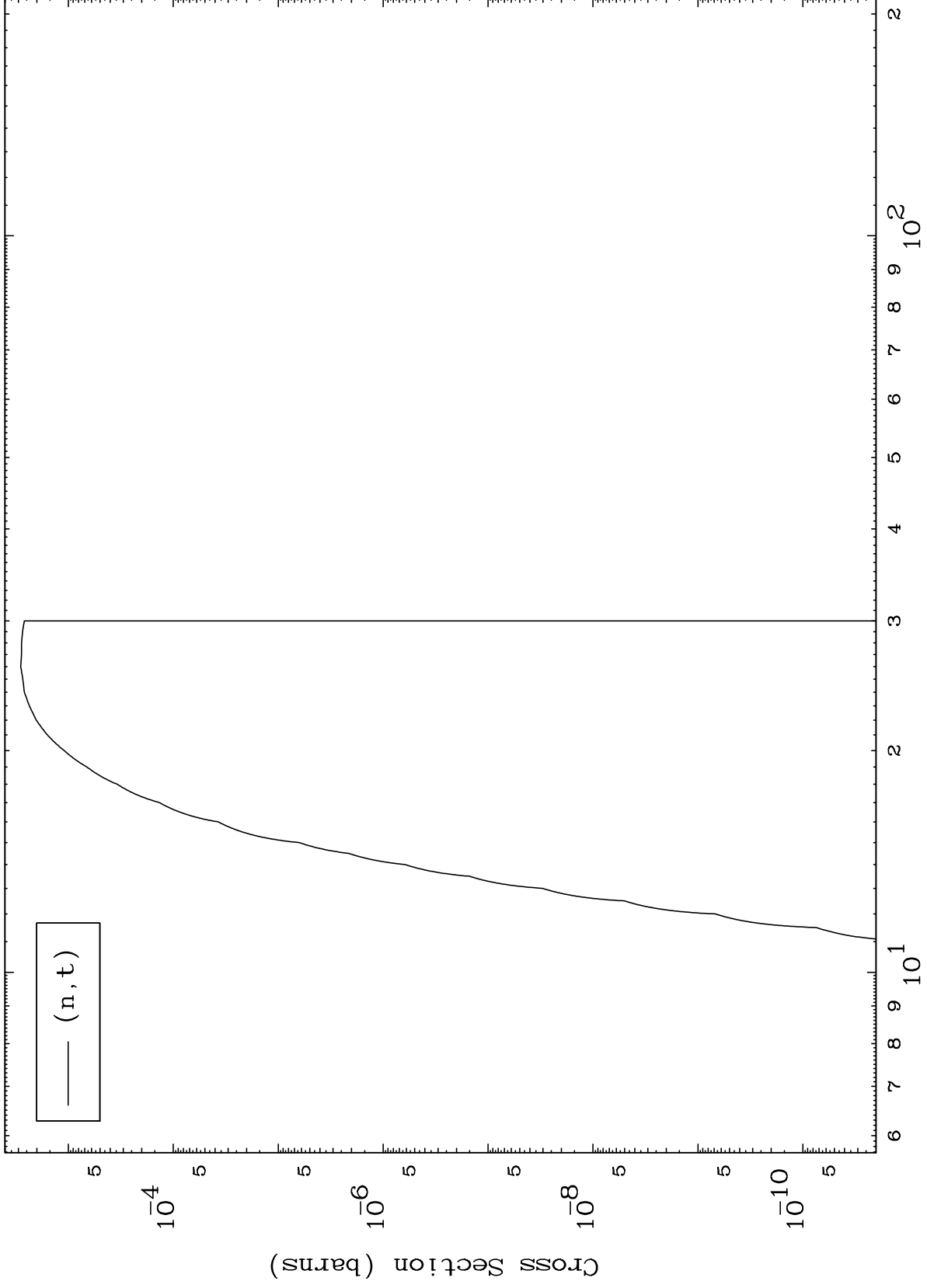
Incident Energy (MeV)

70-Yb-179

MAT 7058

(n, t) Levels
293 Kelvin Cross Sections

70-Yb-179



10

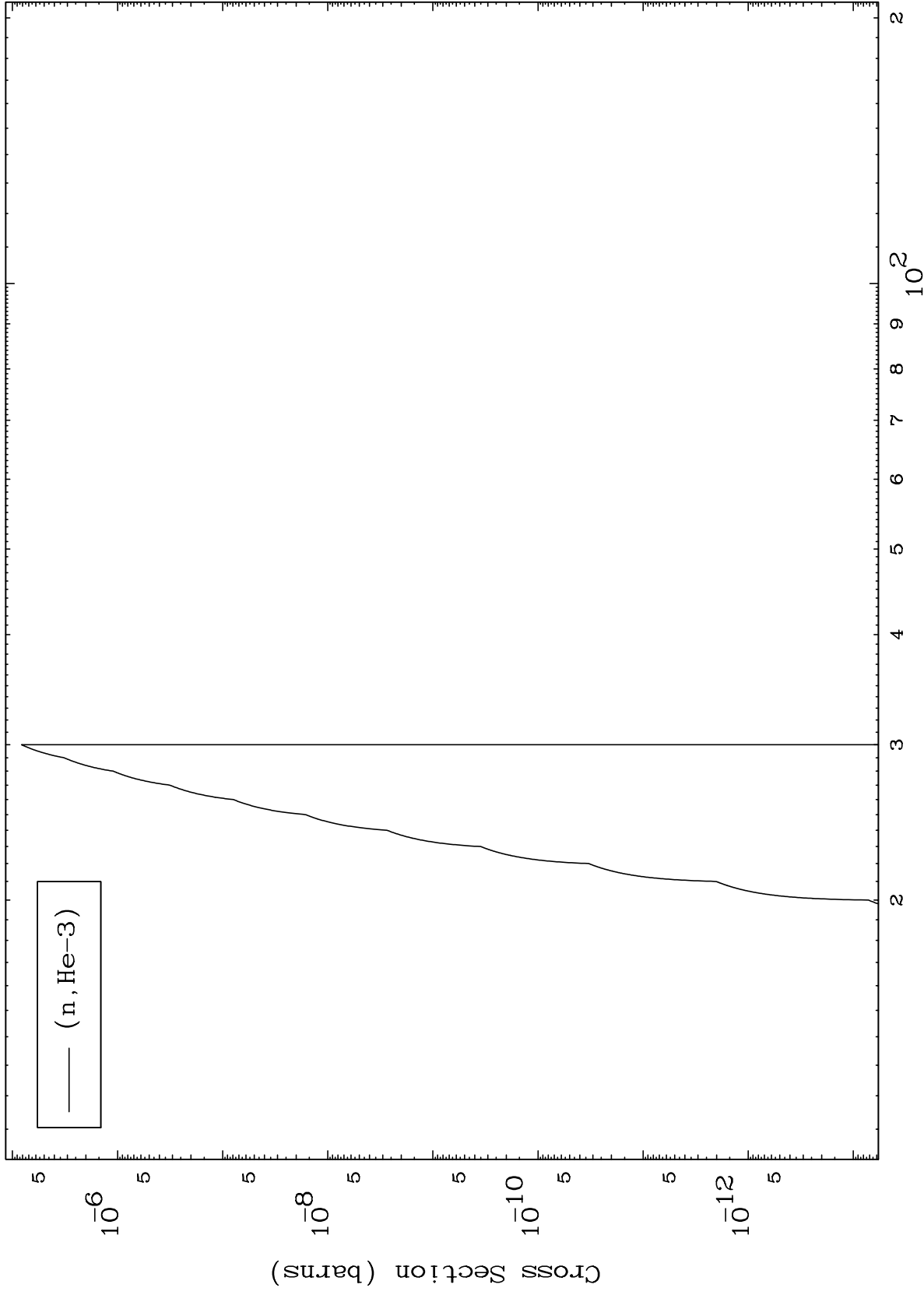
Incident Energy (MeV)

70-Yb-179

MAT 7058

(n,He3) Levels
293 Kelvin Cross Sections

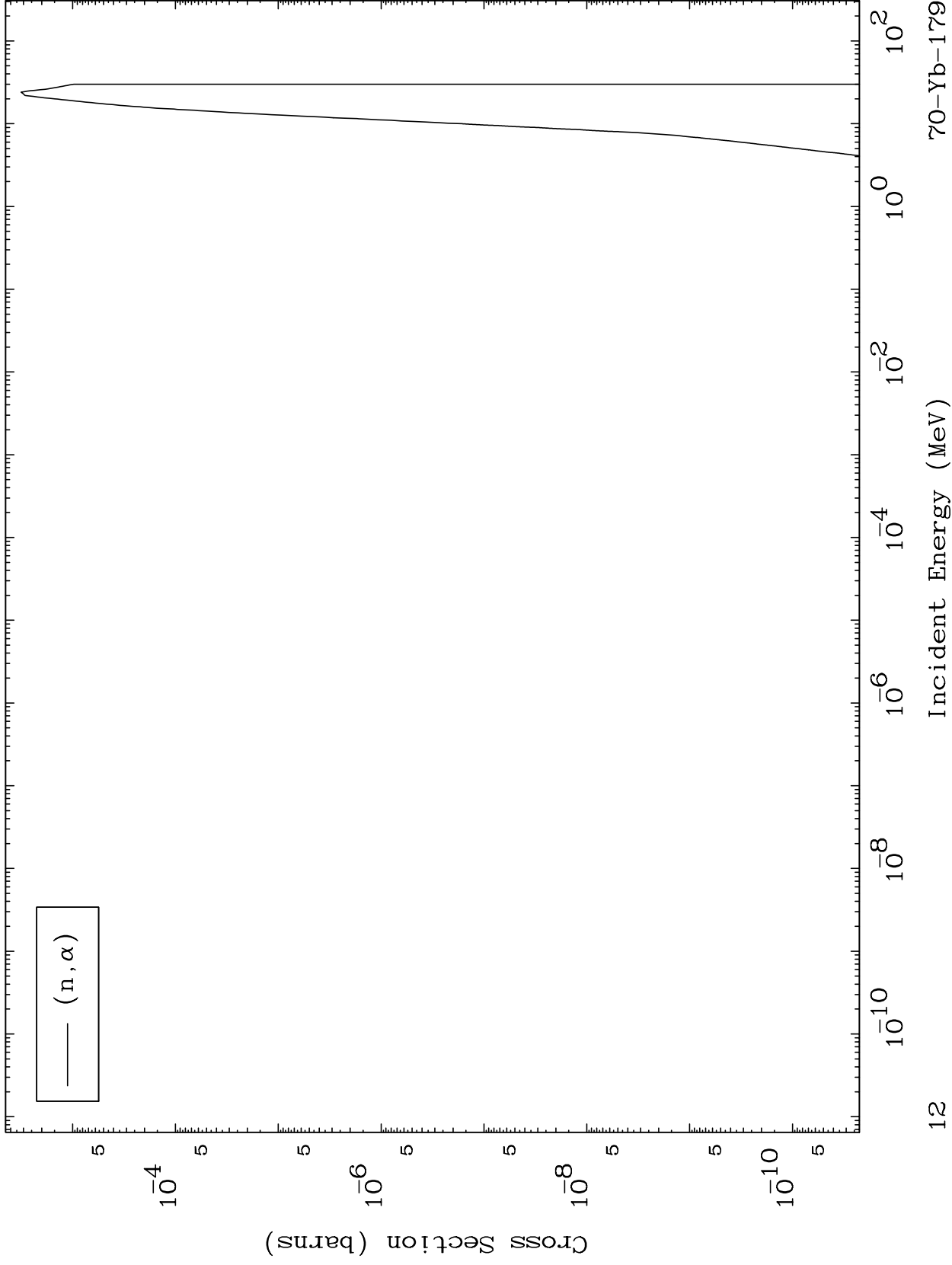
70-Yb-179

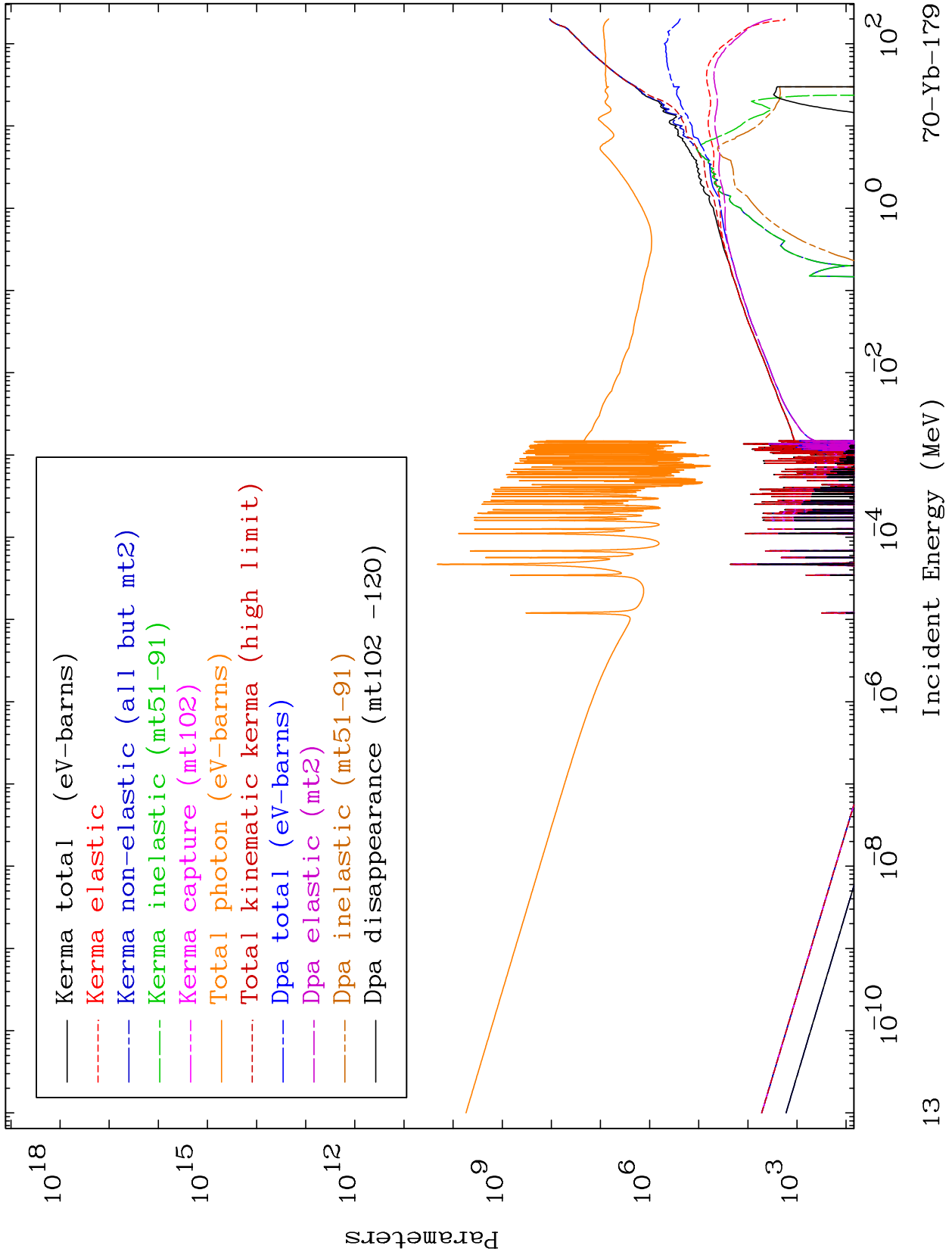


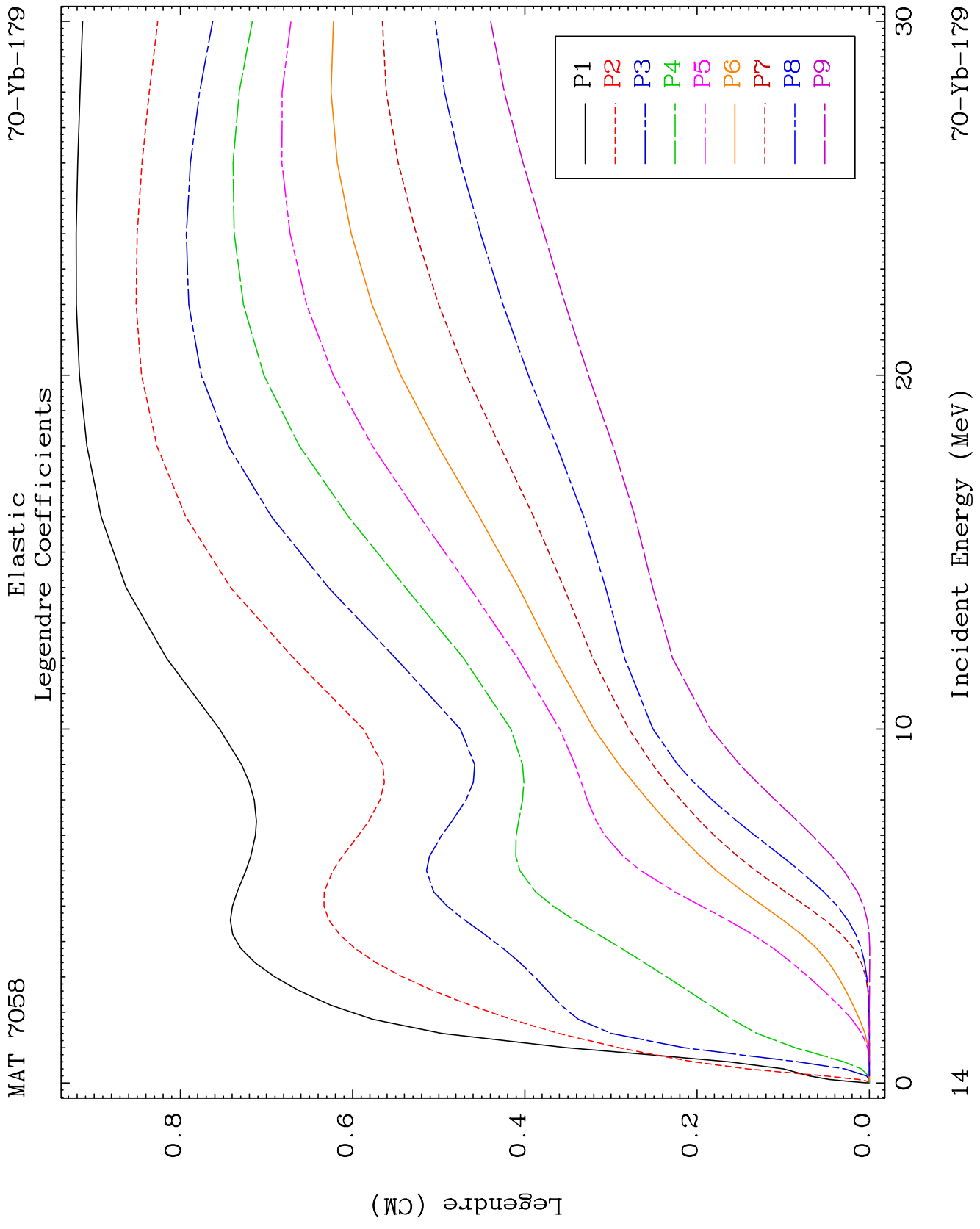
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(n, α) Levels
293 Kelvin Cross Sections

70-Yb-179







70-Yb-179

Incident Energy (MeV)

14

30

20

10

0

0.8

0.6

0.4

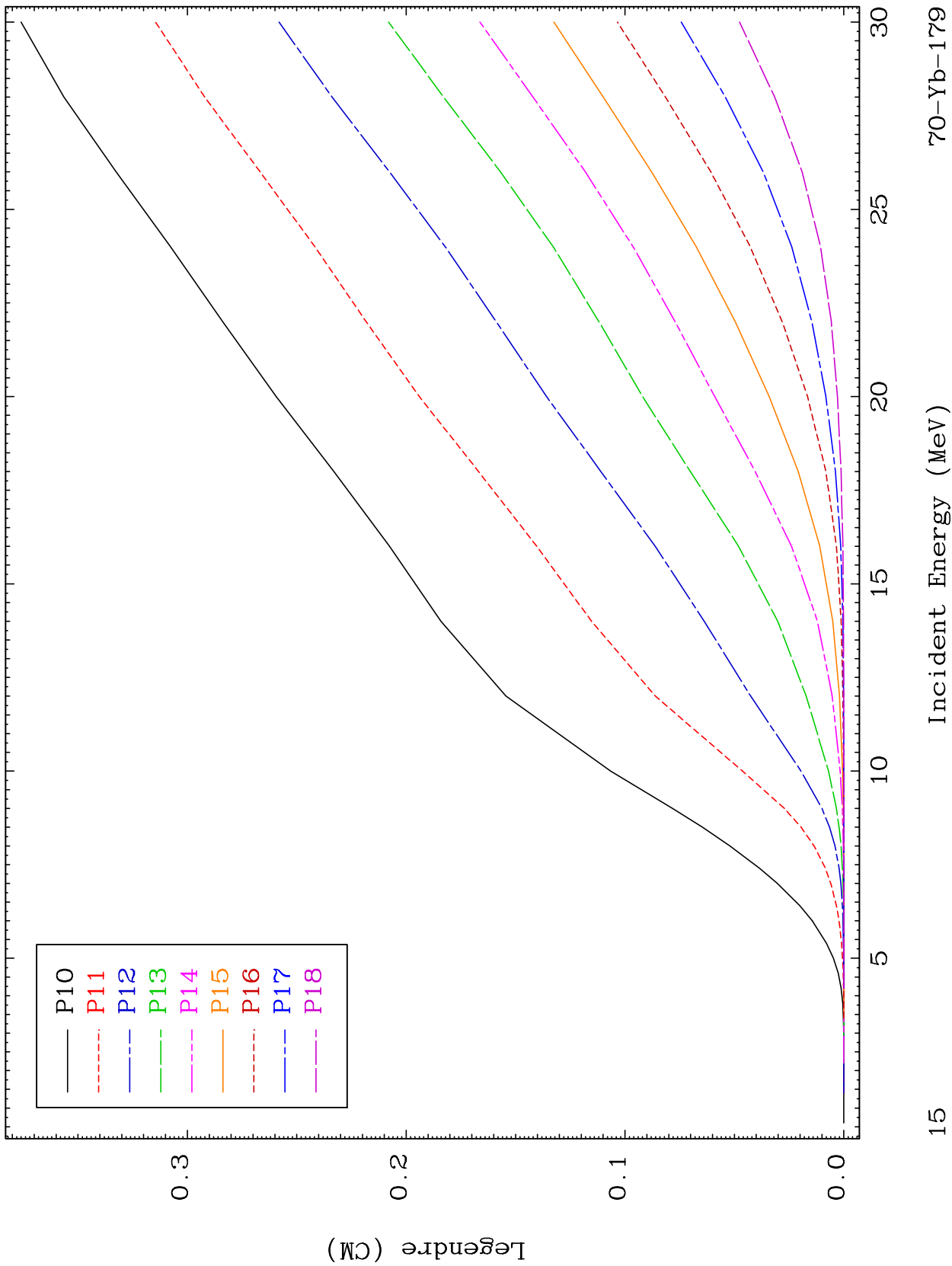
0.2

0.0

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Elastic Legendre Coefficients

70-Yb-179



15

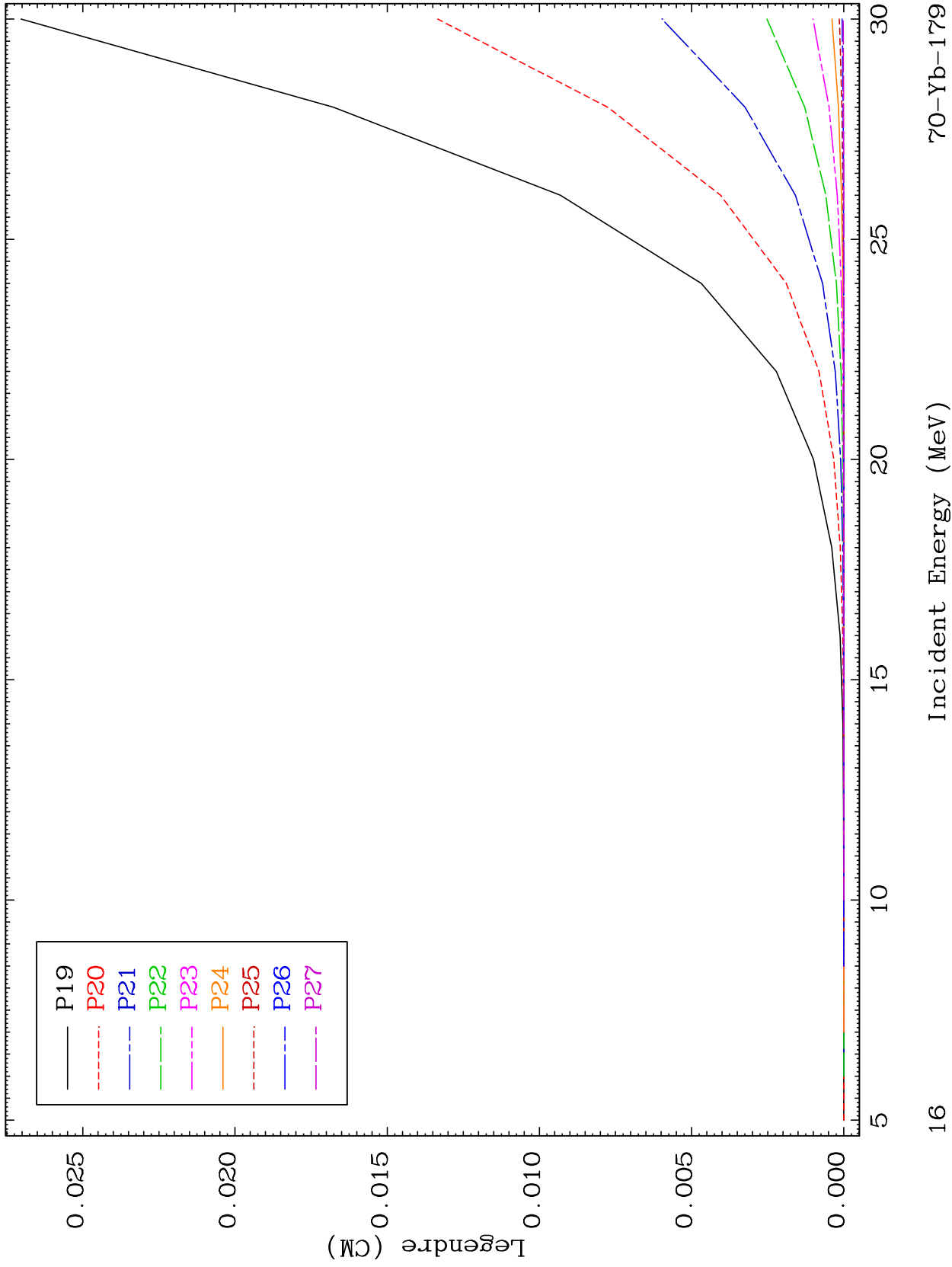
Incident Energy (MeV)

70-Yb-179

MAT 7058

Elastic Legendre Coefficients

70-Yb-179



70-Yb-179

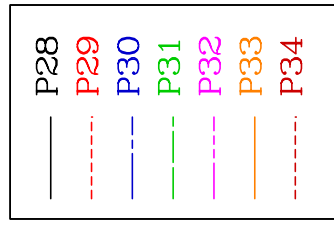
Incident Energy (MeV)

16

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Elastic Legendre Coefficients

70-Yb-179



$\times 10^{-66}$

Legendre (CM)

4

2

0

15

20

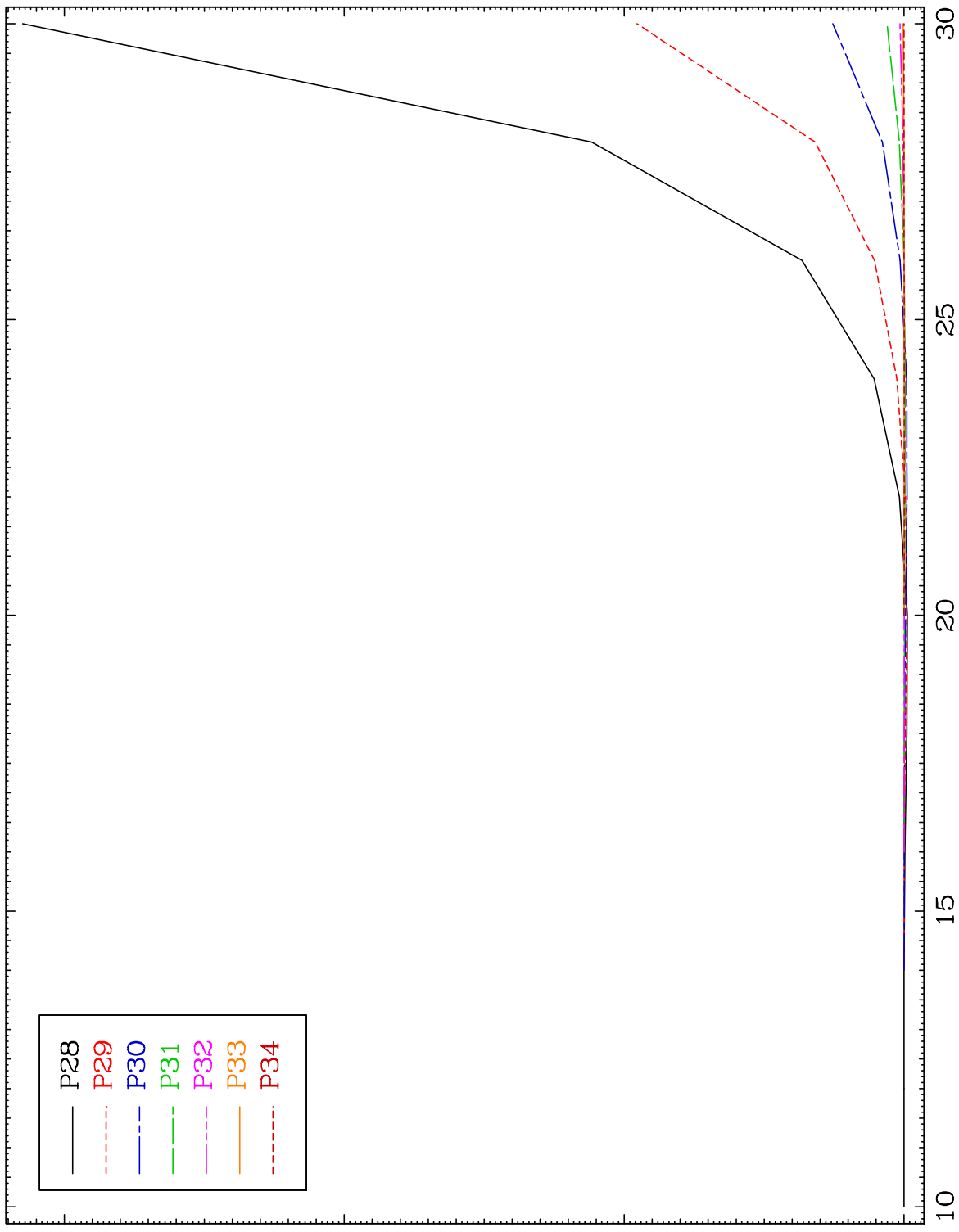
25

30

10

Incident Energy (MeV)

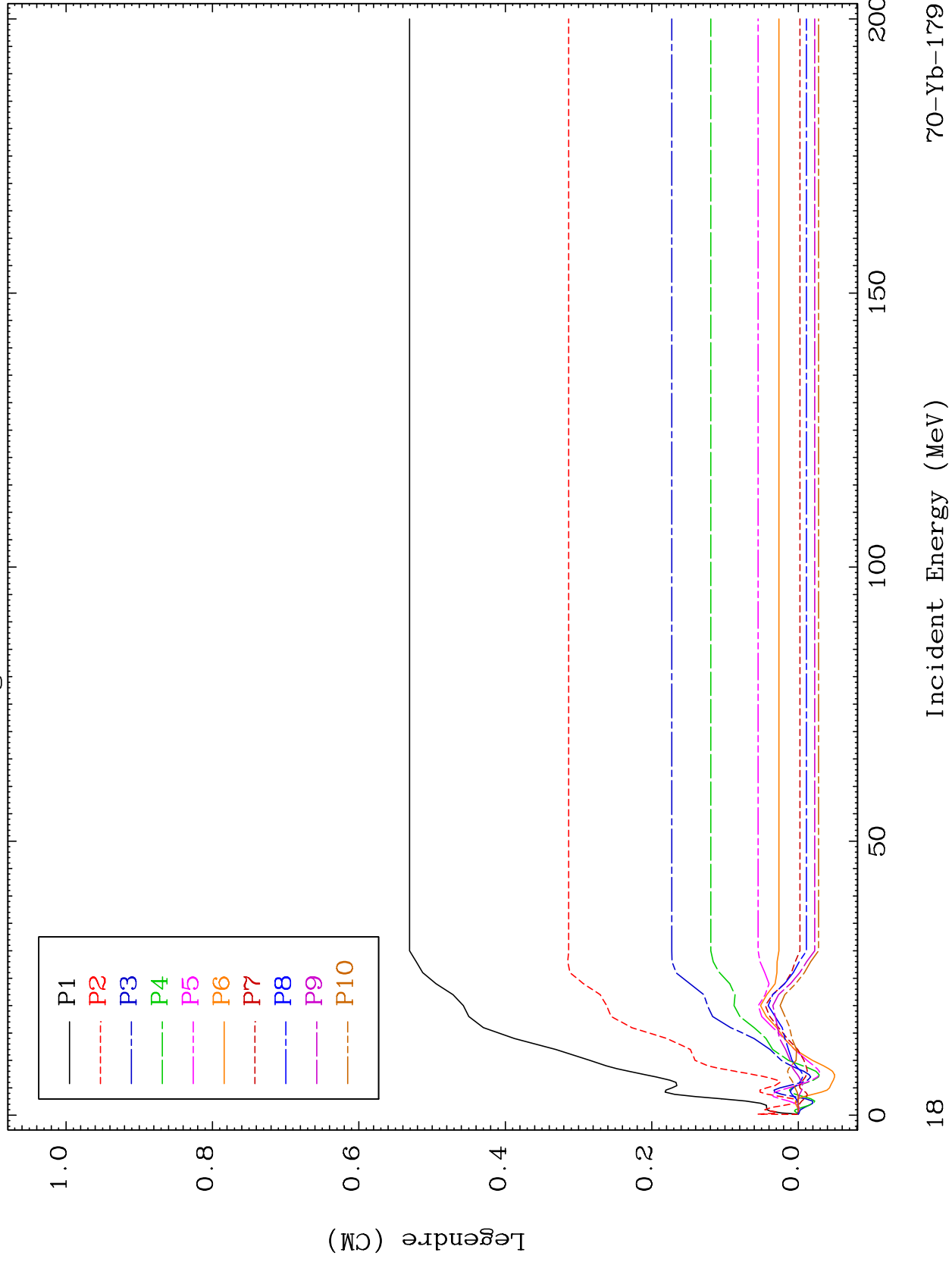
70-Yb-179



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

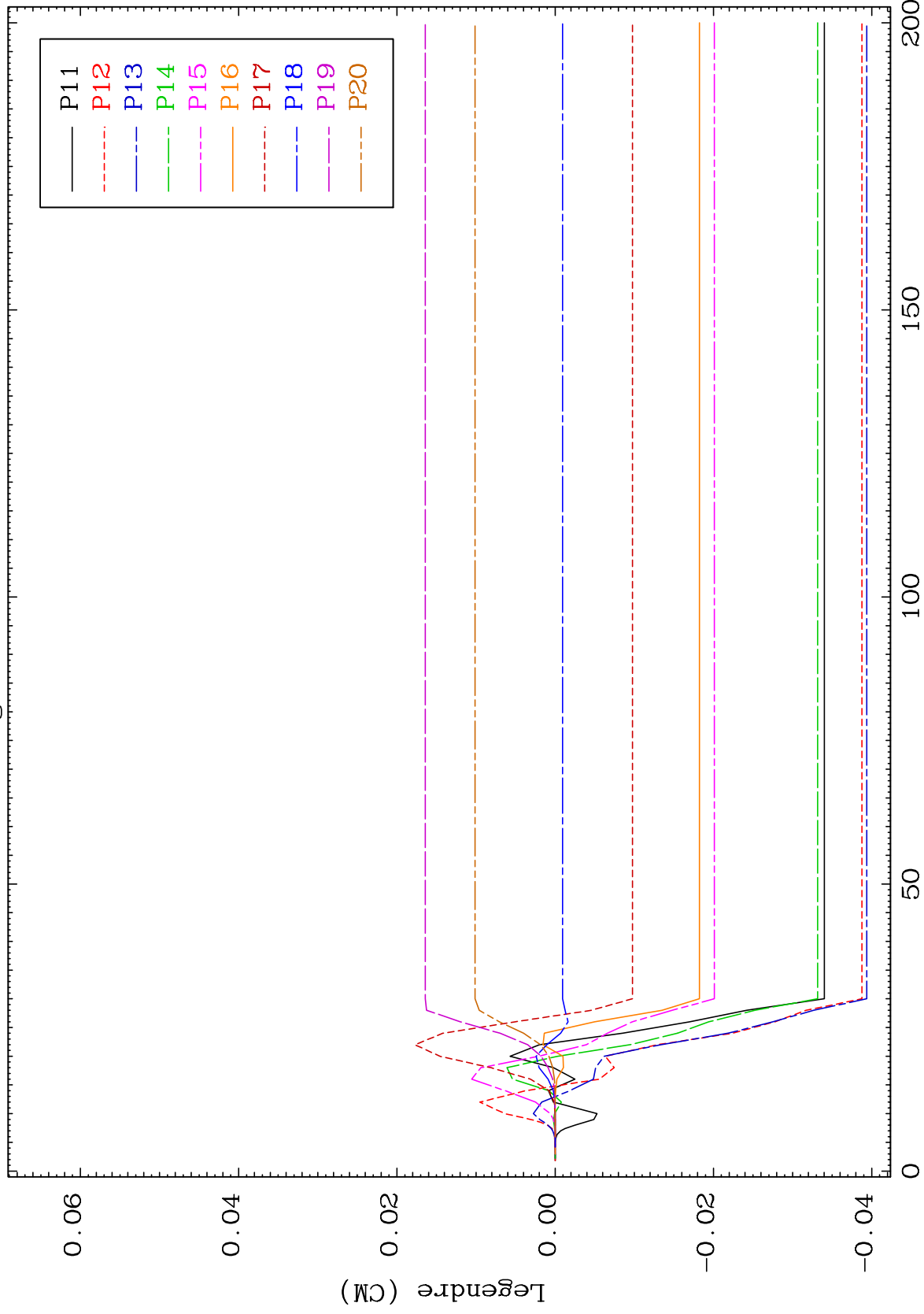
70-Yb-179



MAT 7058

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

70-Yb-179



19

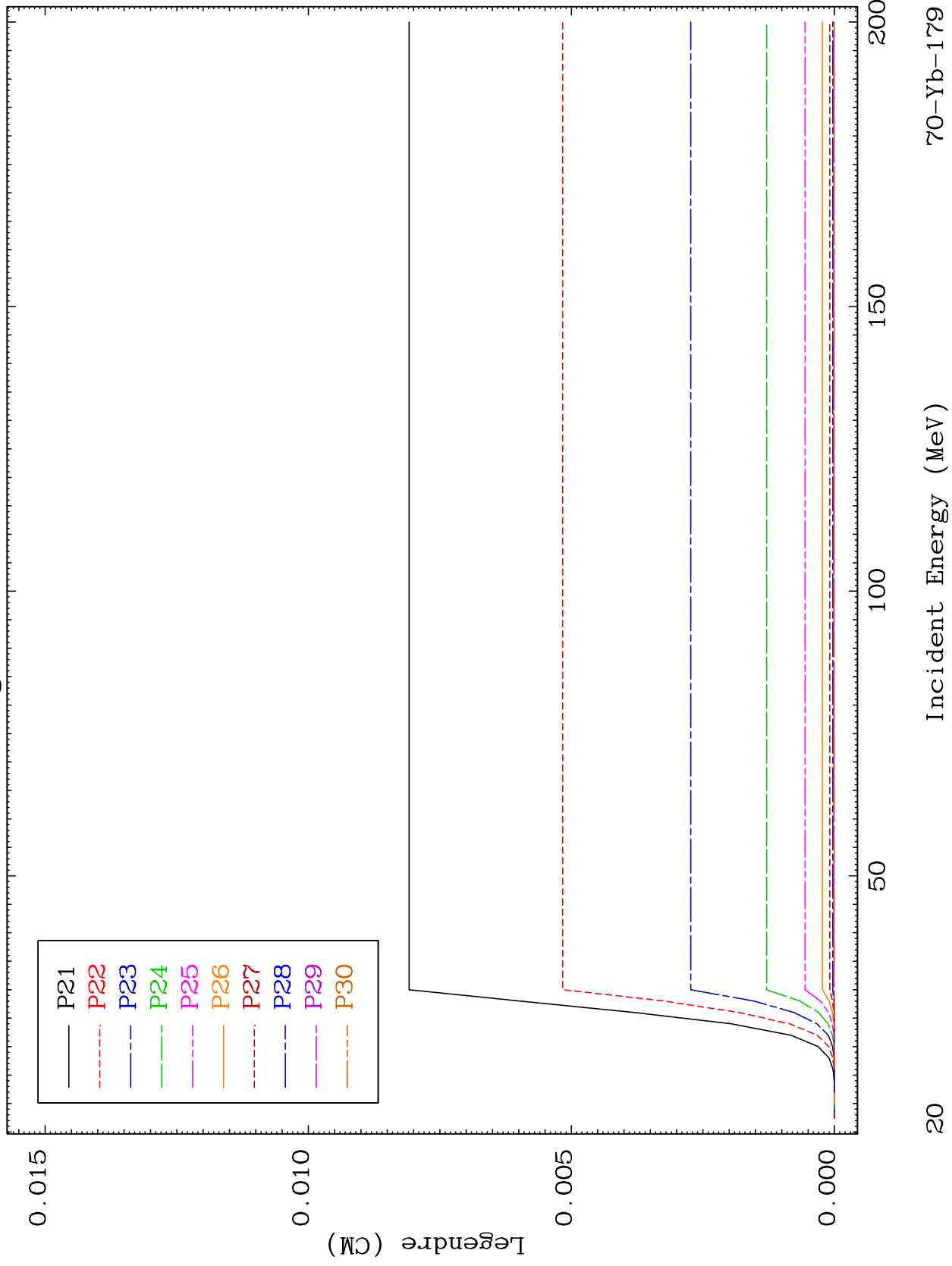
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



20

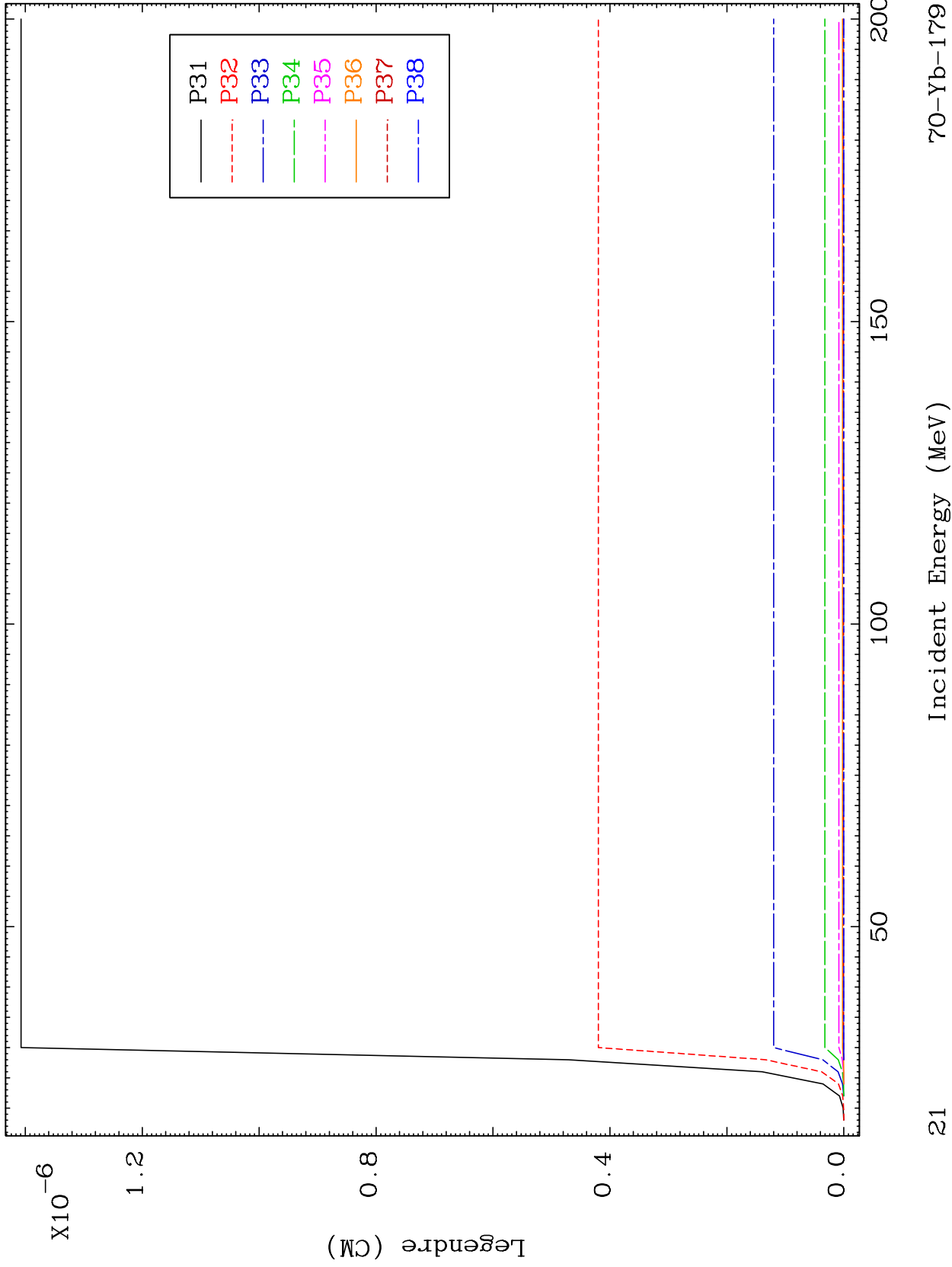
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



21

Incident Energy (MeV)

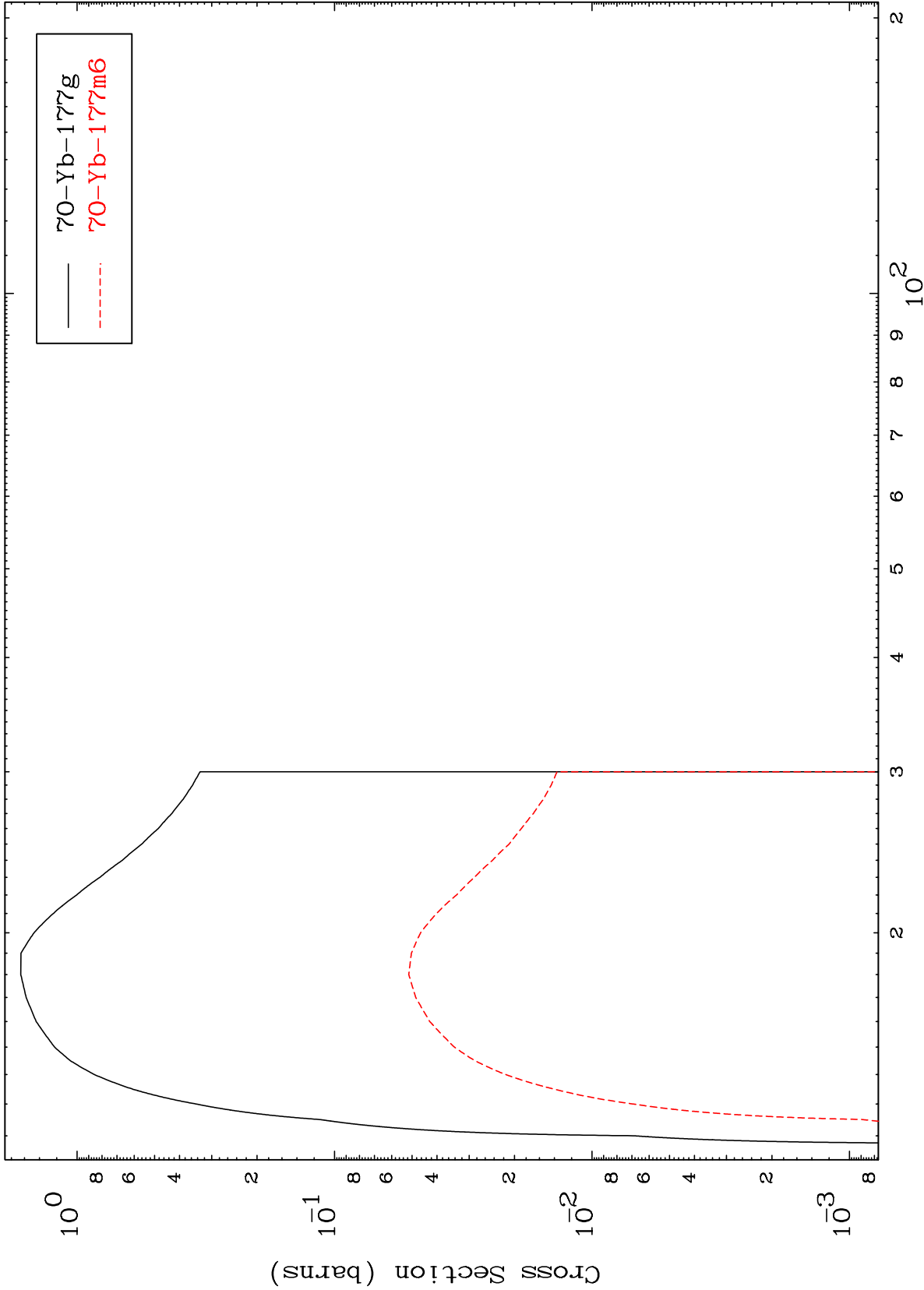
70-Yb-179

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(n,3n)

70-Yb-179

Radionuclide Production Cross Section

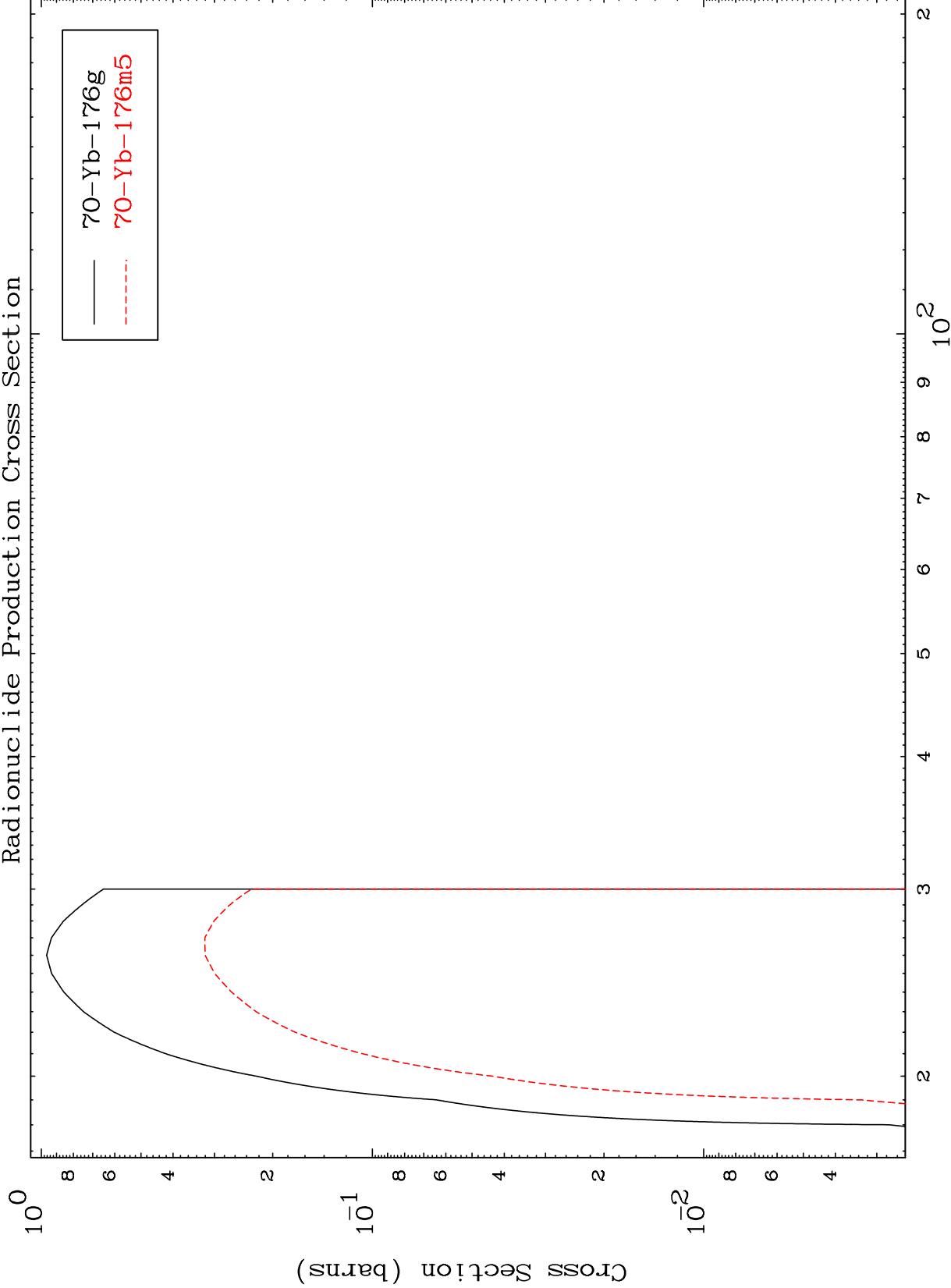


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(n,4n)

70-Yb-179

Radionuclide Production Cross Section



23

Incident Energy (MeV)

70-Yb-179