

Program EVALPLOT
(Version 2018-1)

by

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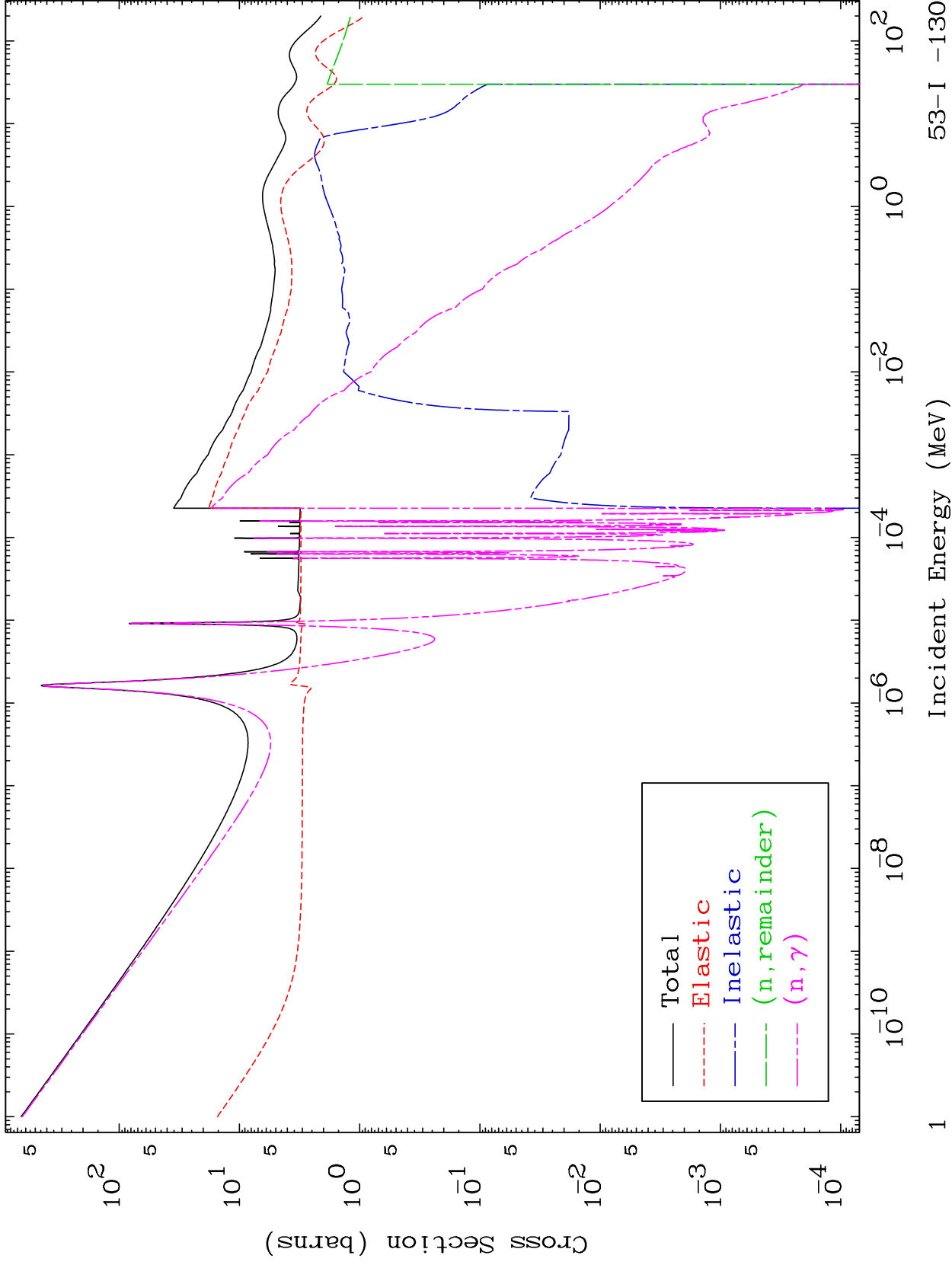
Web: redcullen1.net/HOMEPAGE.NEW

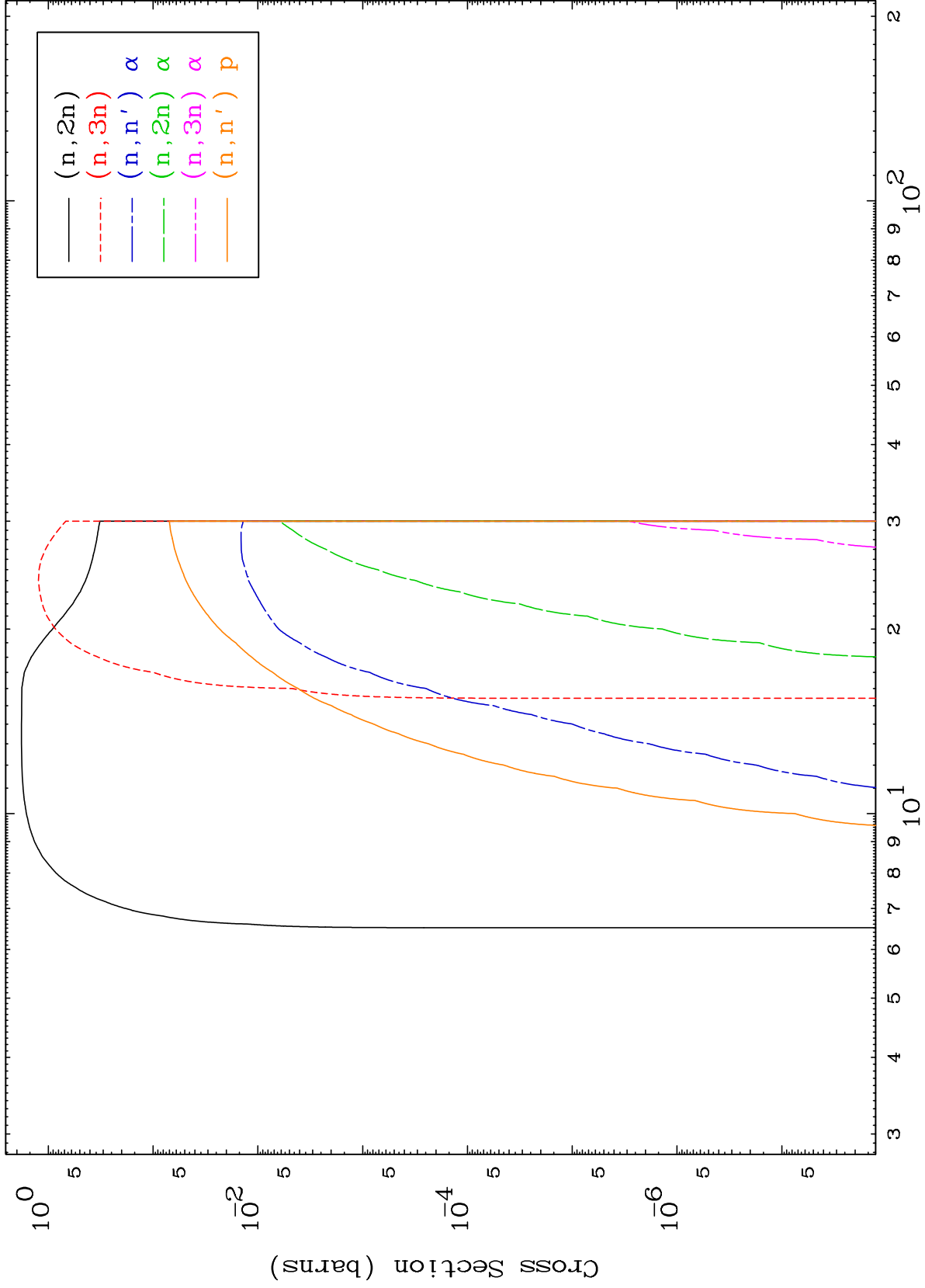
Press Mouse Button to Start

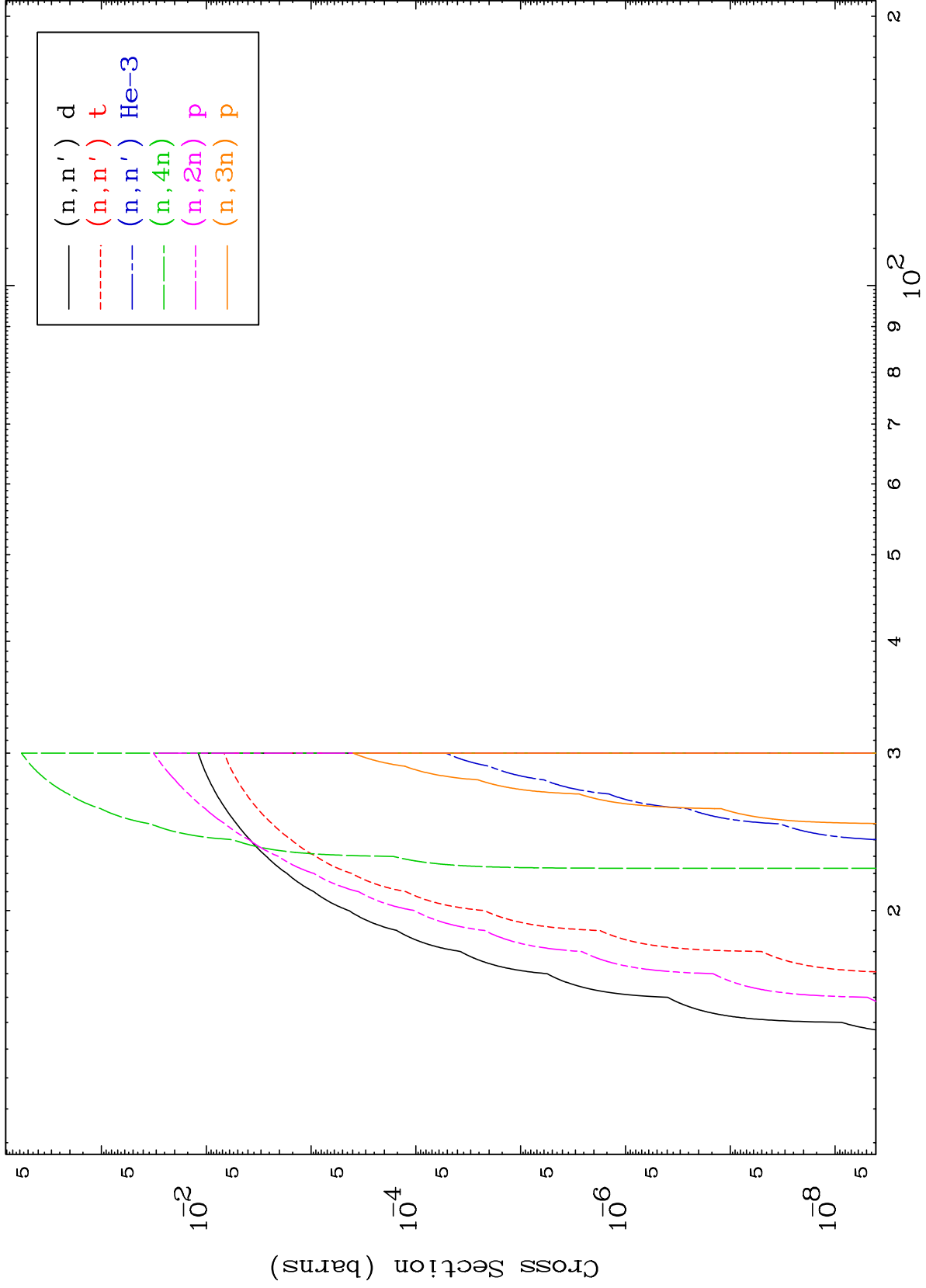
MAT 5335

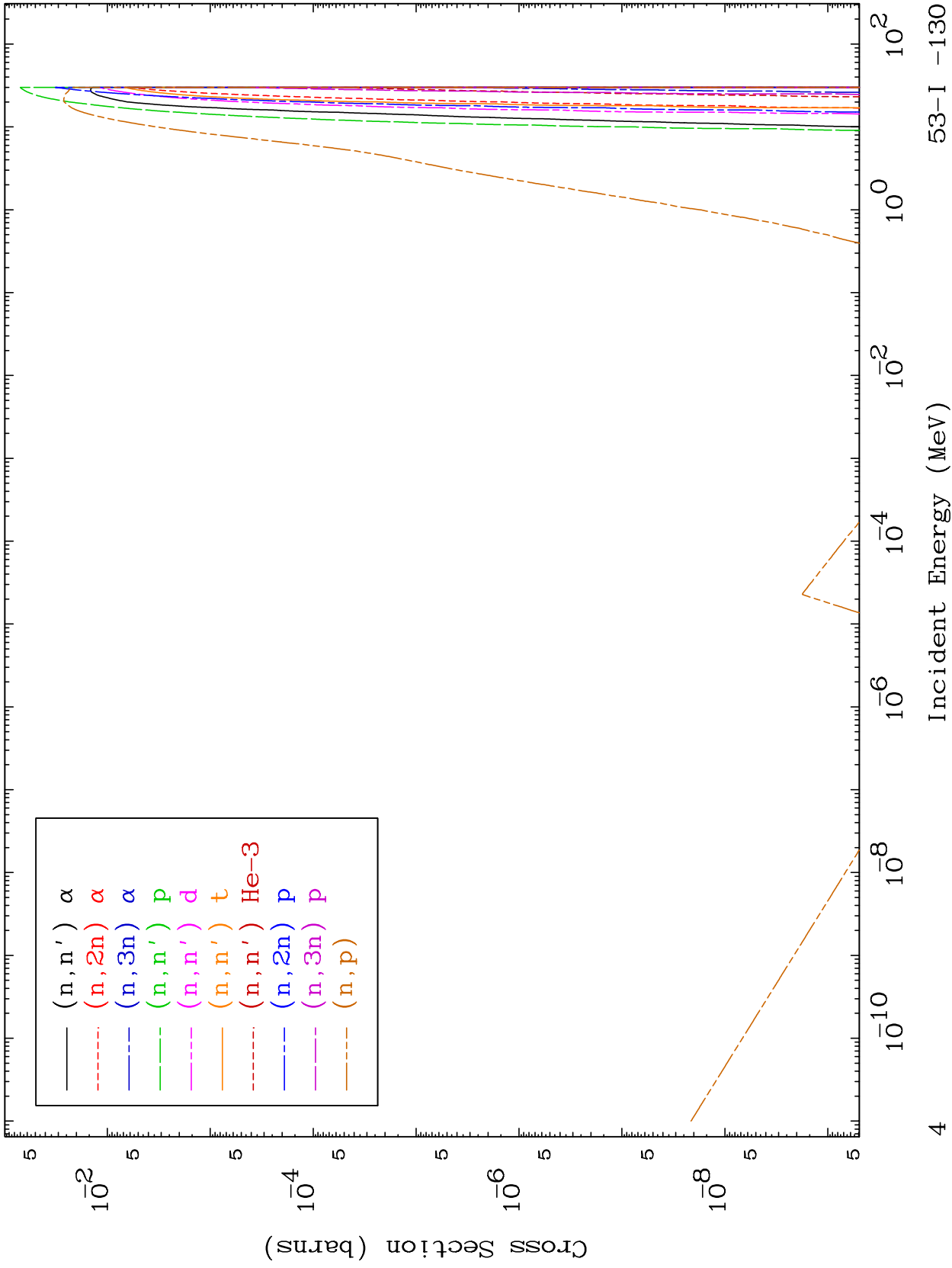
Major
293 Kelvin Cross Sections

53-I -130





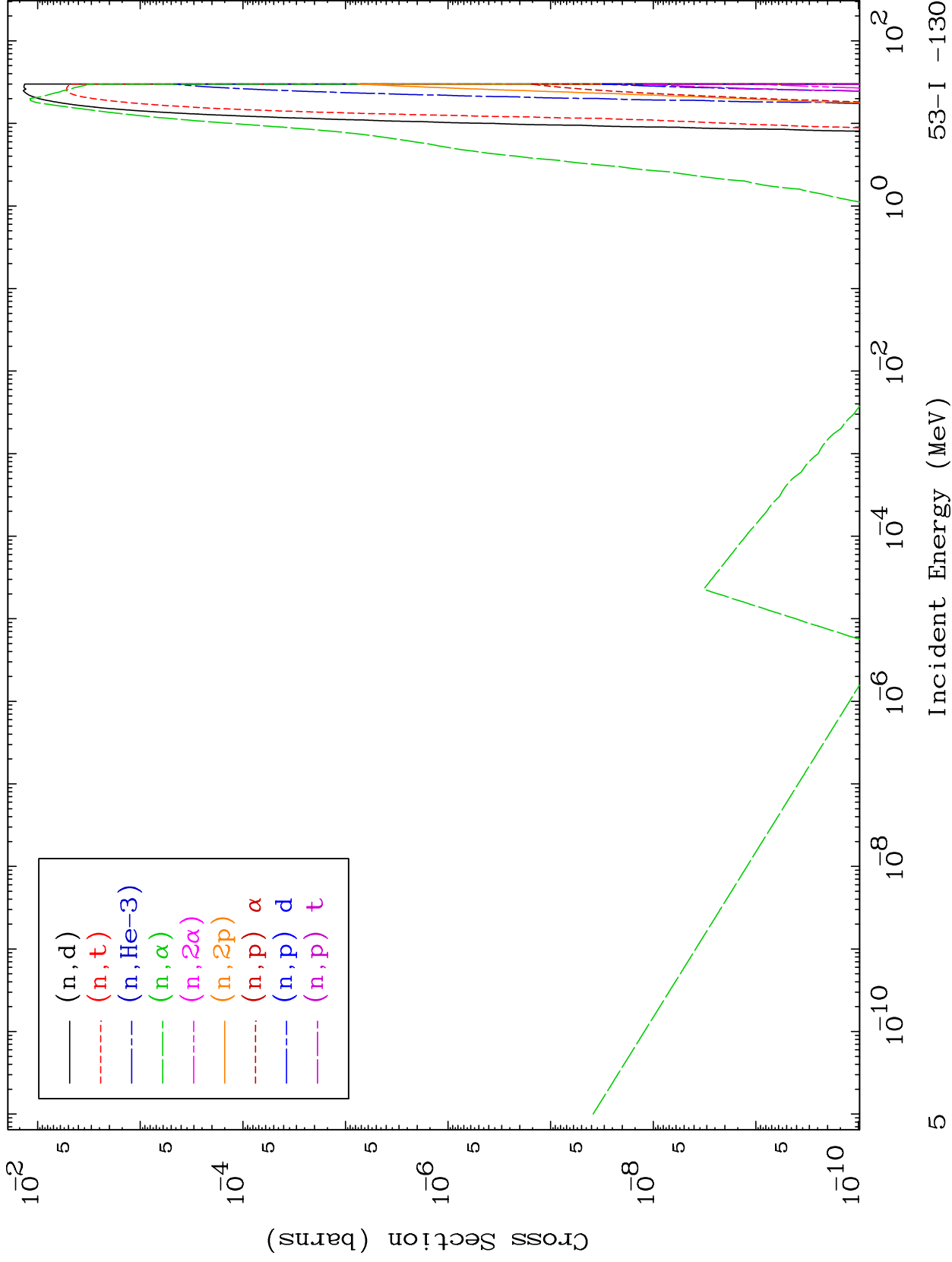


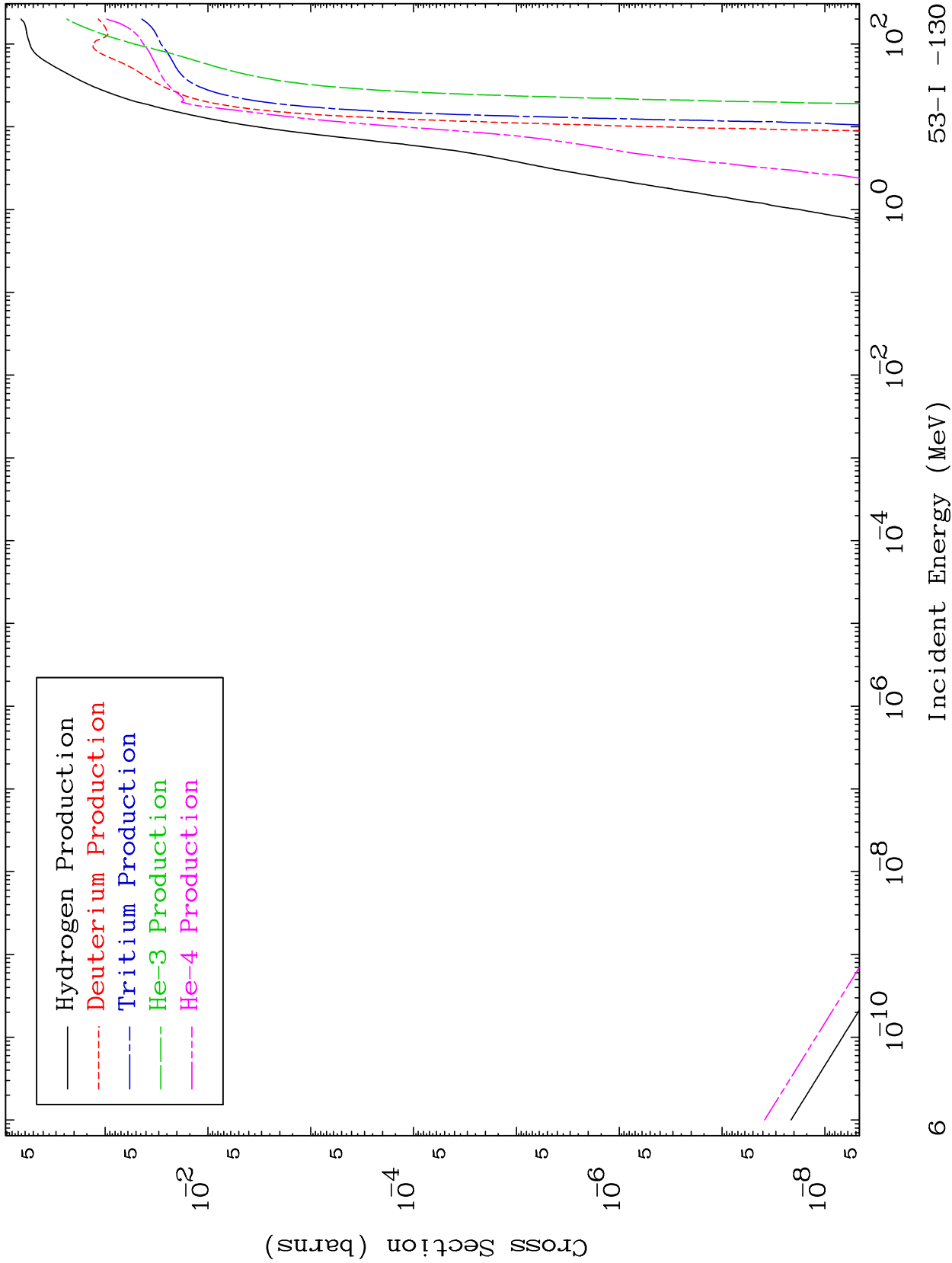


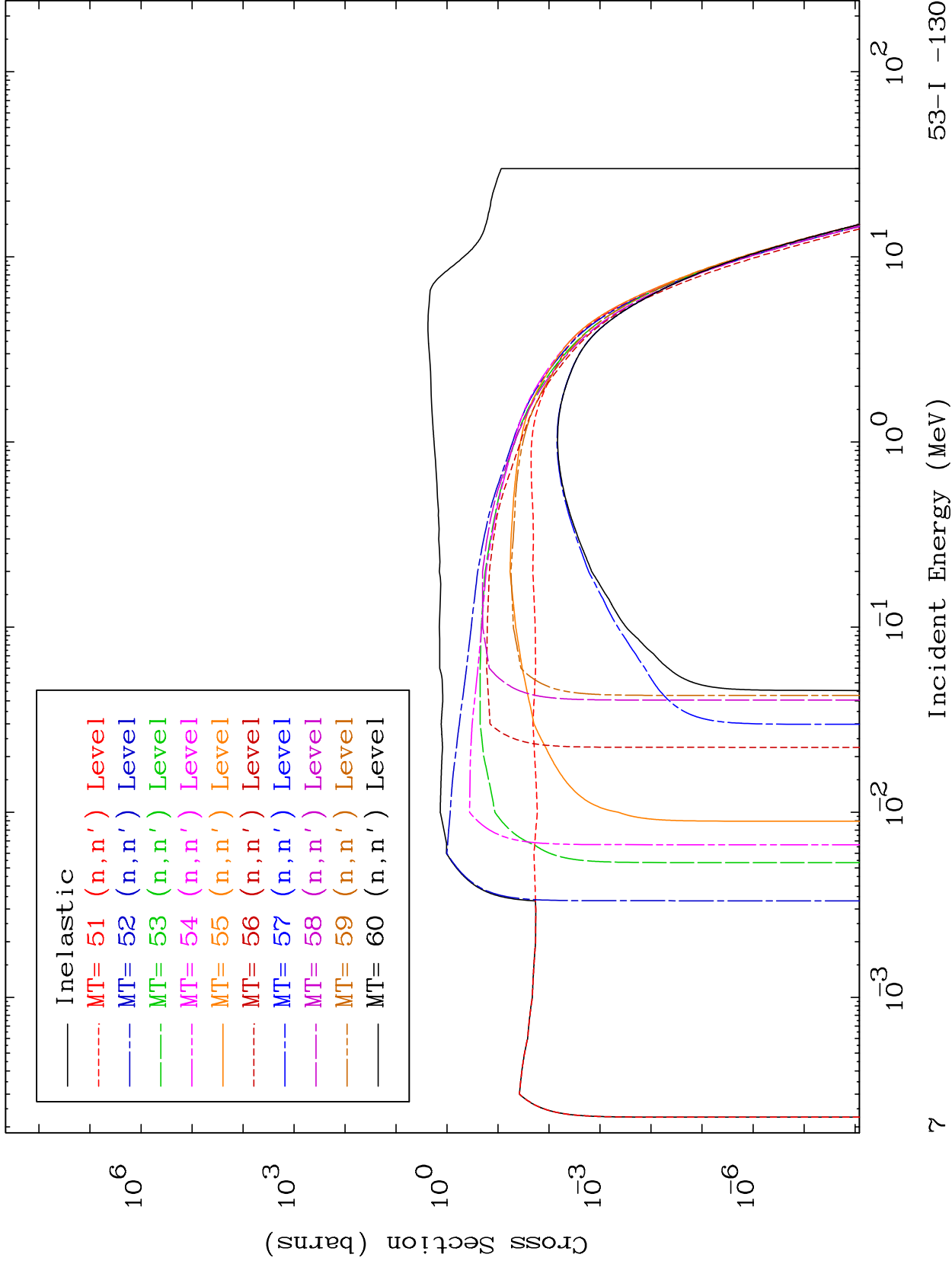
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Charged Particle
293 Kelvin Cross Sections

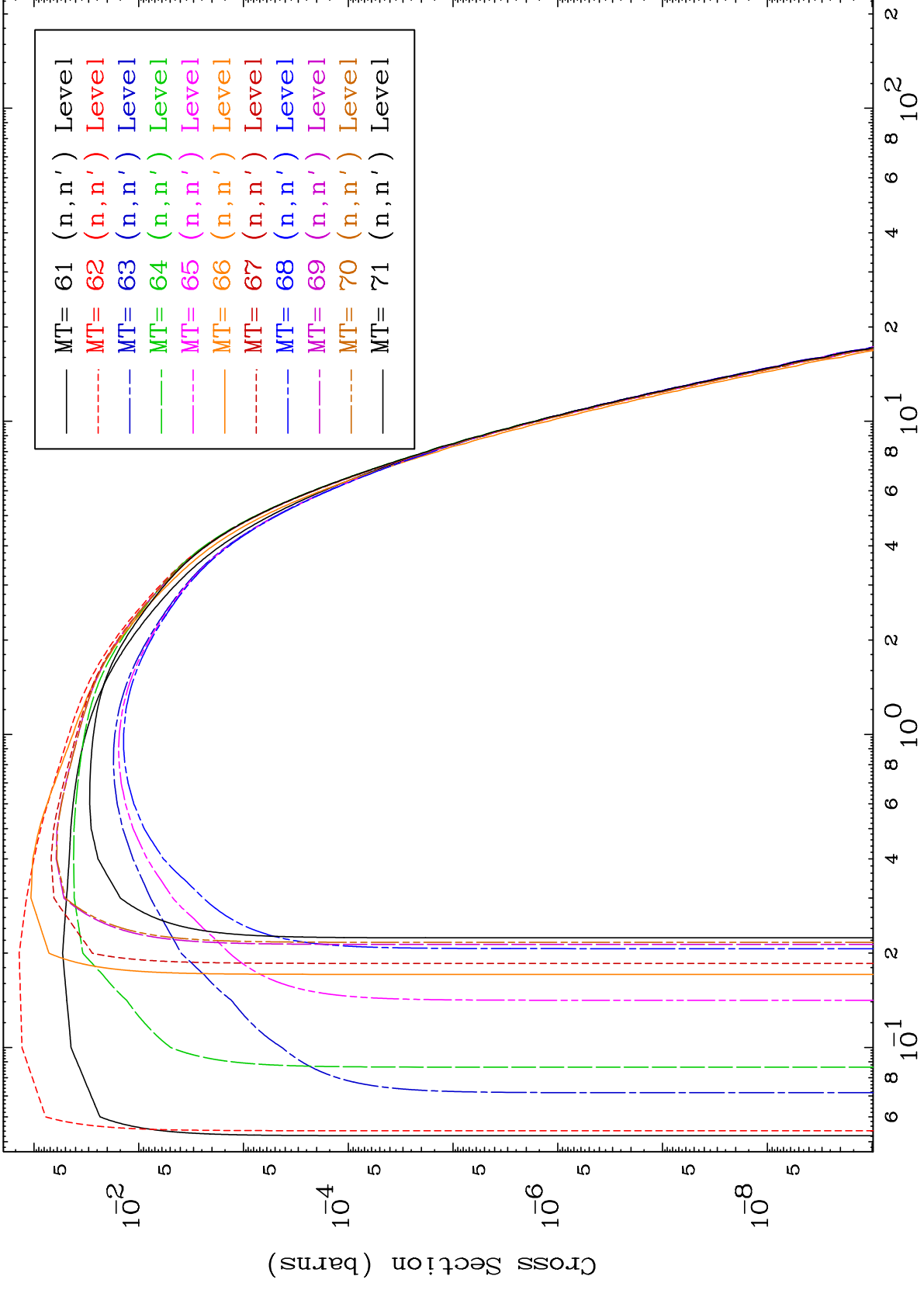
53-I -130



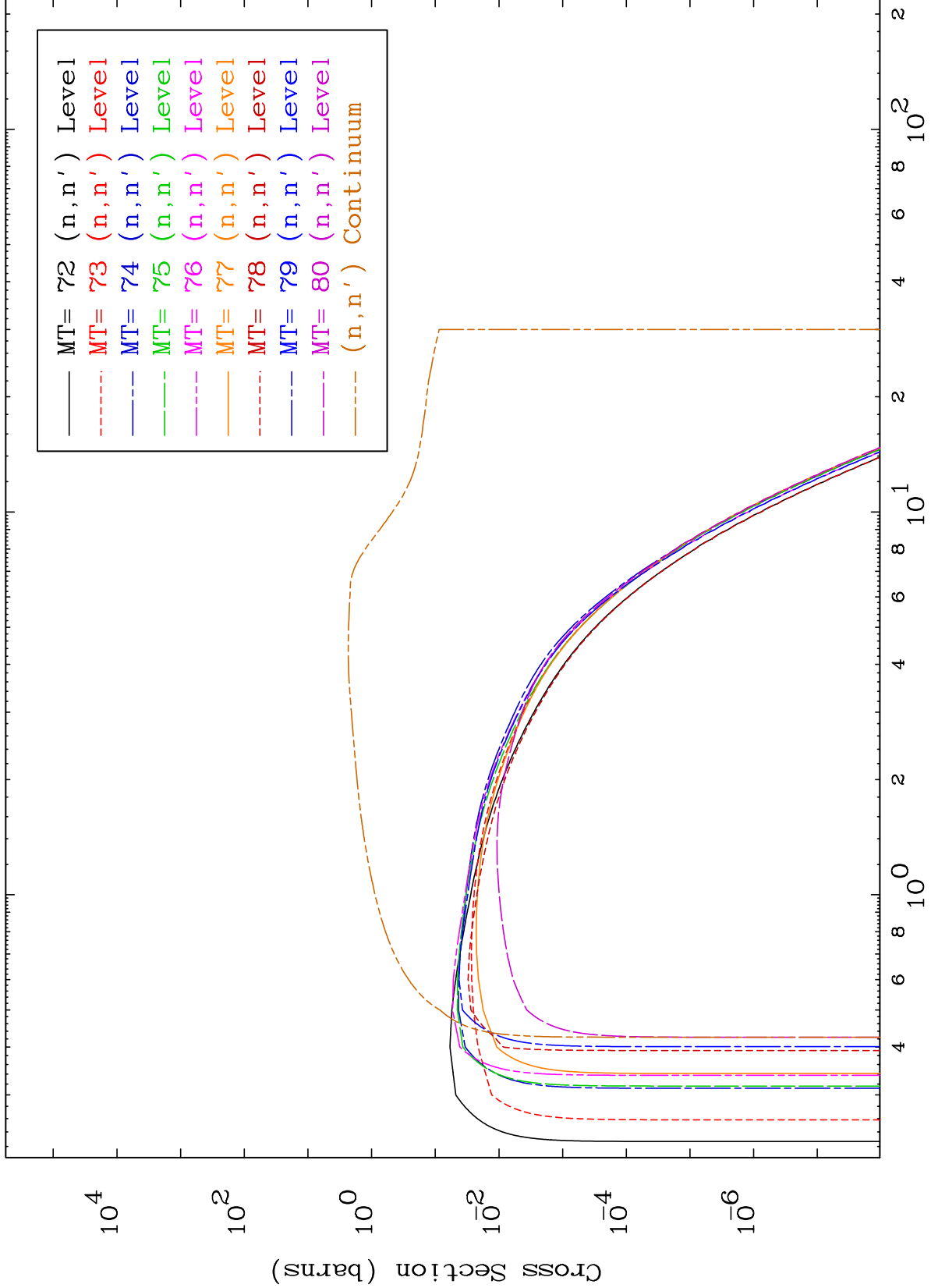




293 Kelvin Cross Sections



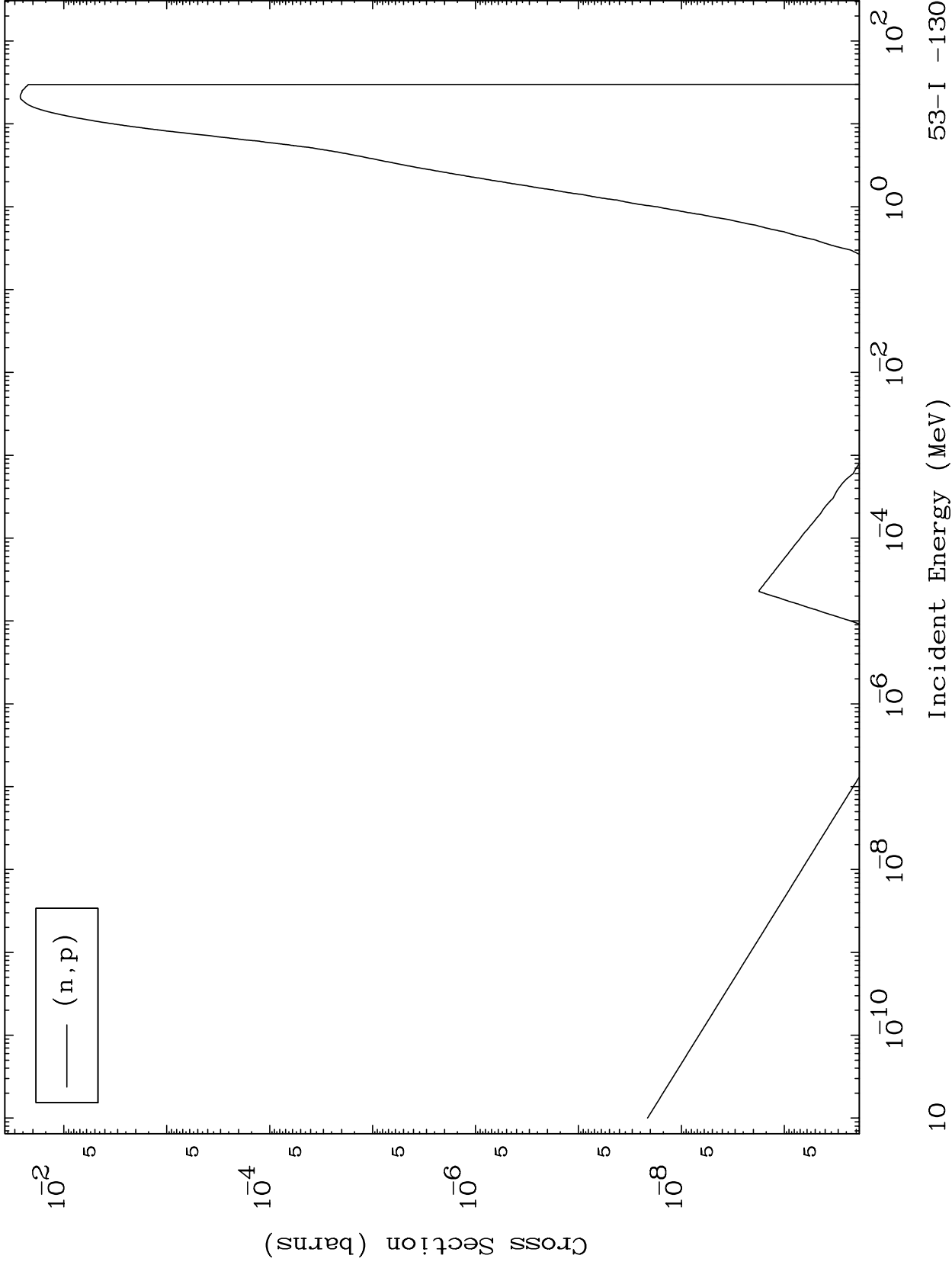
293 Kelvin Cross Sections



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(n,p) Levels
293 Kelvin Cross Sections

53-I -130



10

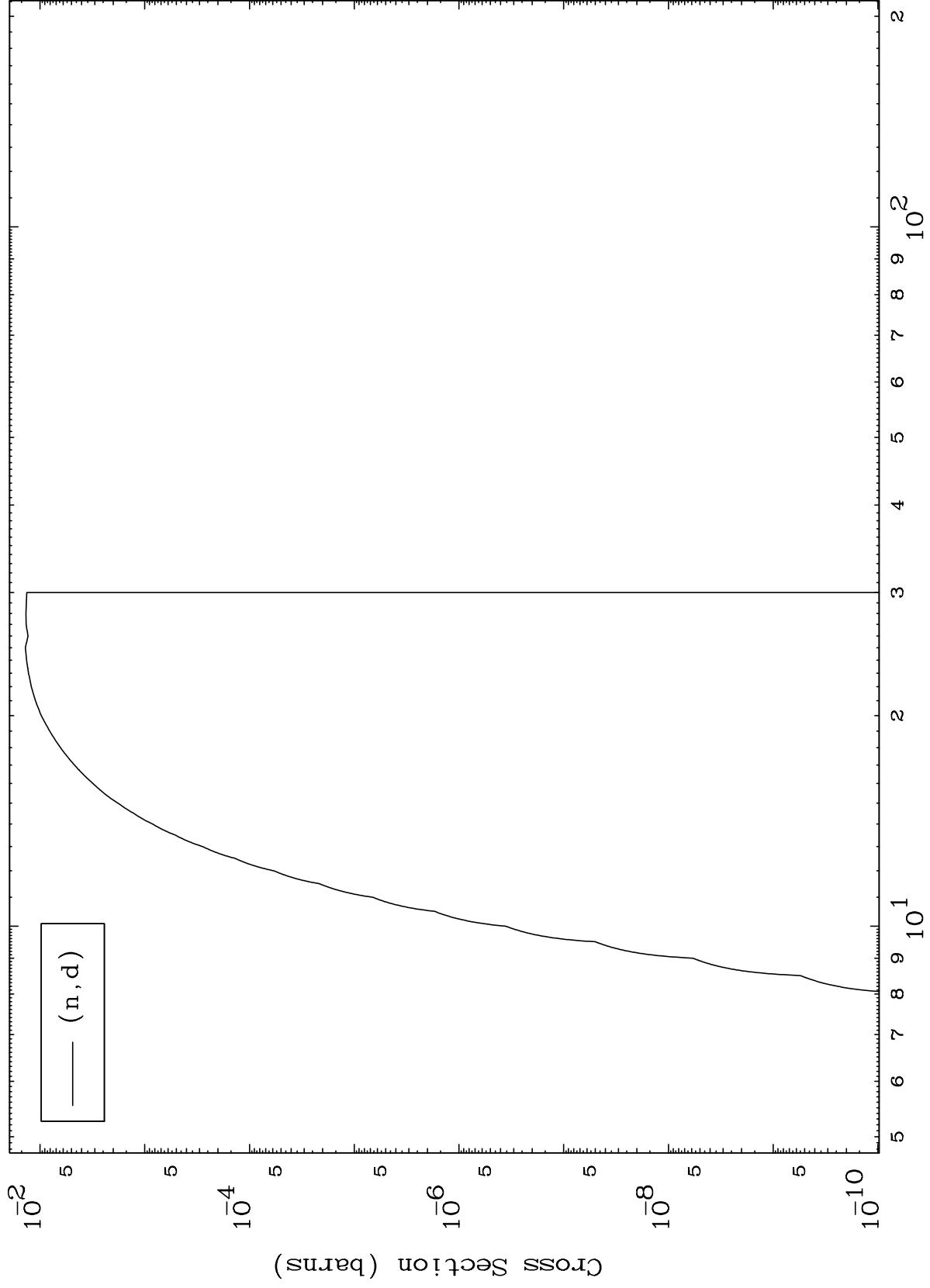
Incident Energy (MeV)

53-I -130

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(n,d) Levels
293 Kelvin Cross Sections

53-I -130



11

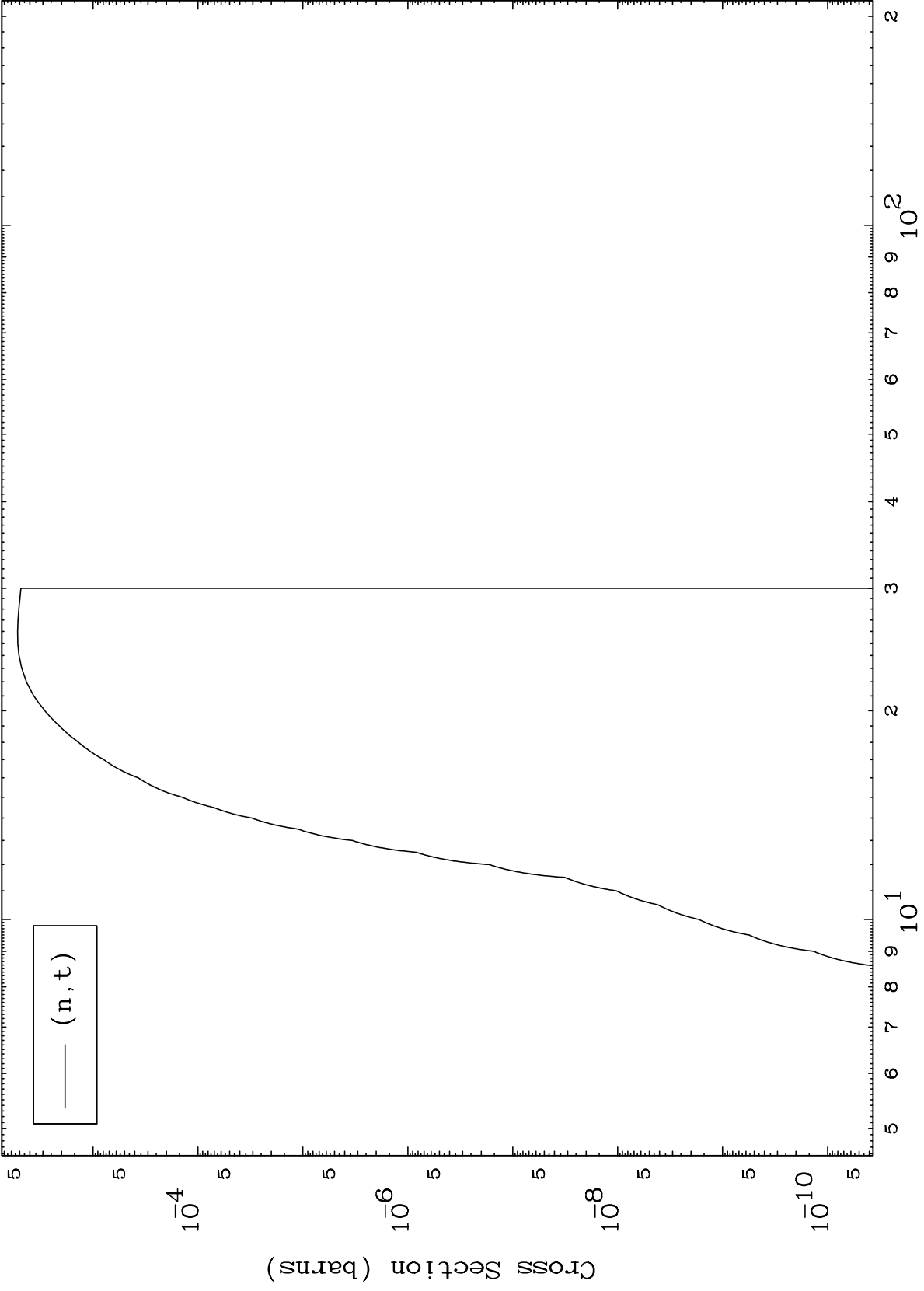
Incident Energy (MeV)

53-I -130

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(n,t) Levels
293 Kelvin Cross Sections

53-I -130



12

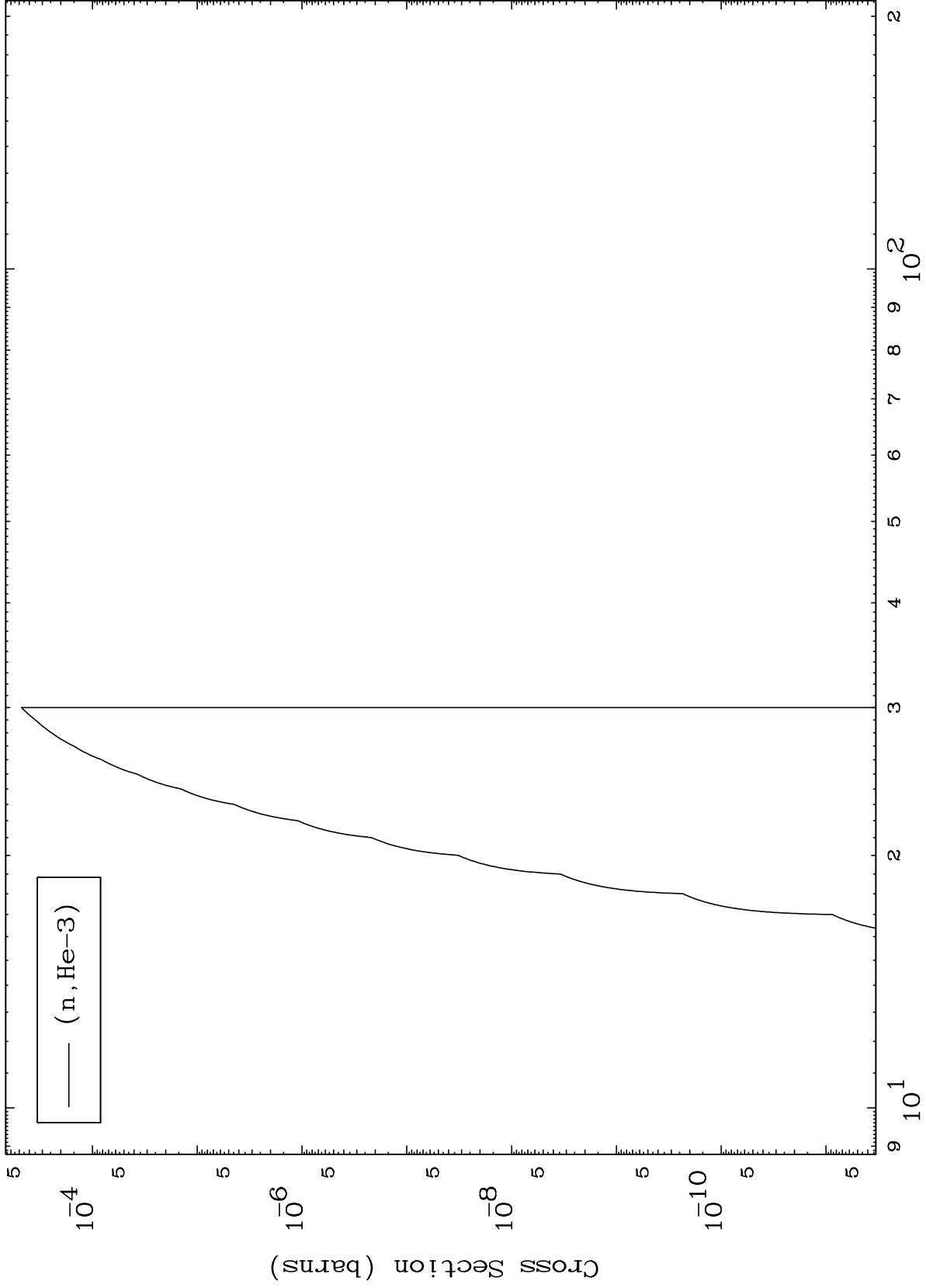
Incident Energy (MeV)

53-I -130

MAT 5335

(n,He3) Levels
293 Kelvin Cross Sections

53-I -130



13

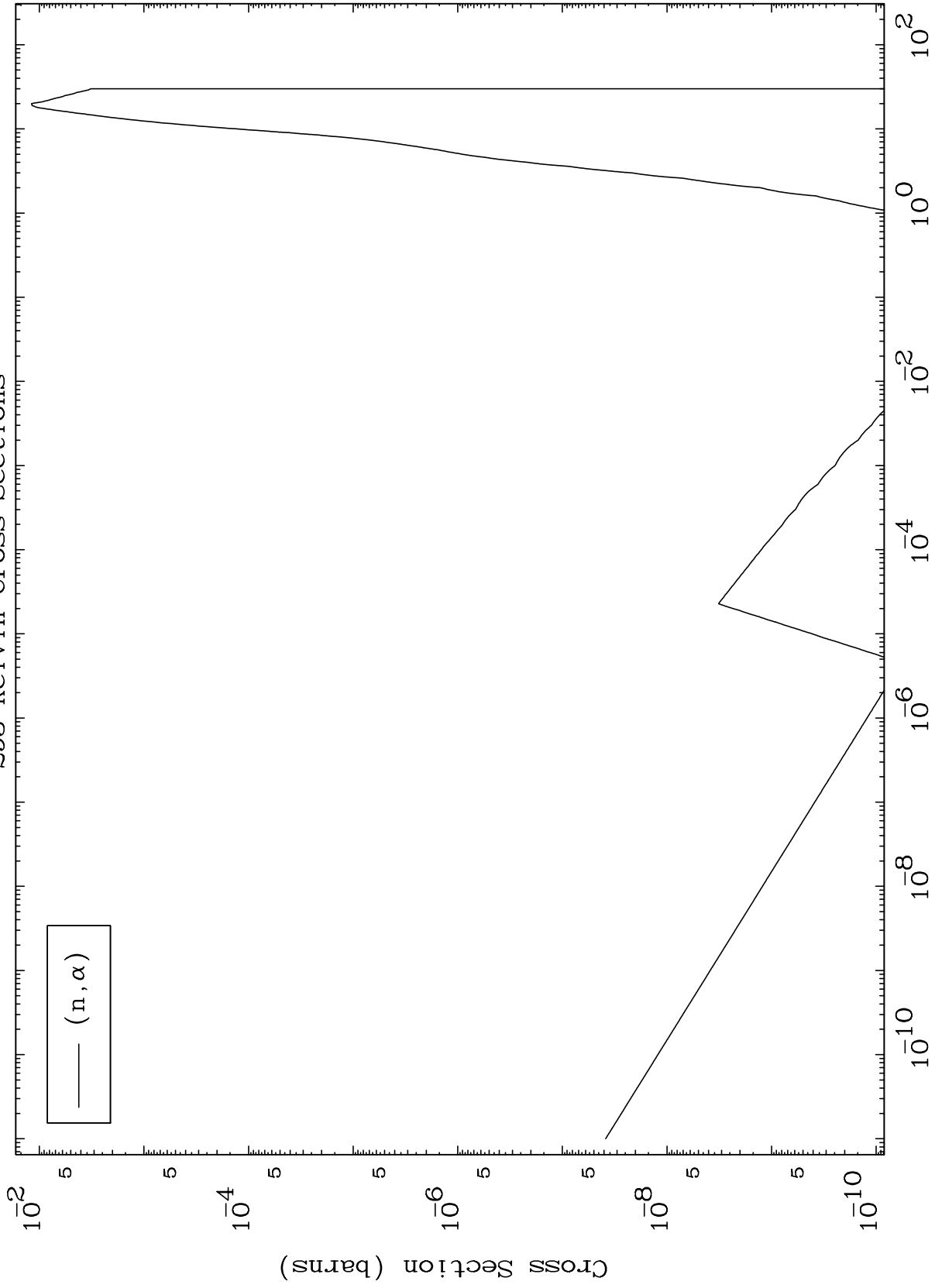
Incident Energy (MeV)

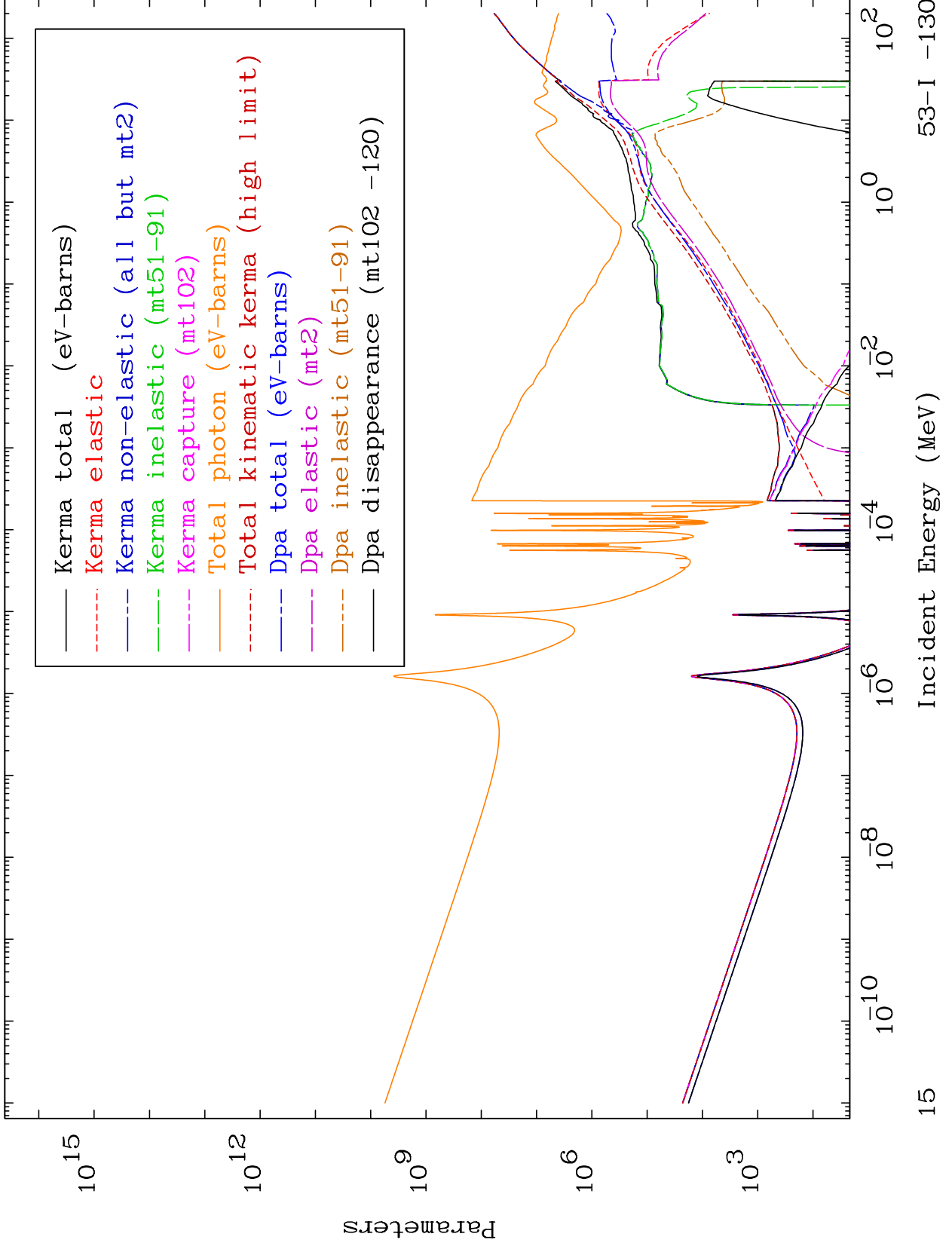
53-I -130

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(n, α) Levels
293 Kelvin Cross Sections

53-I -130

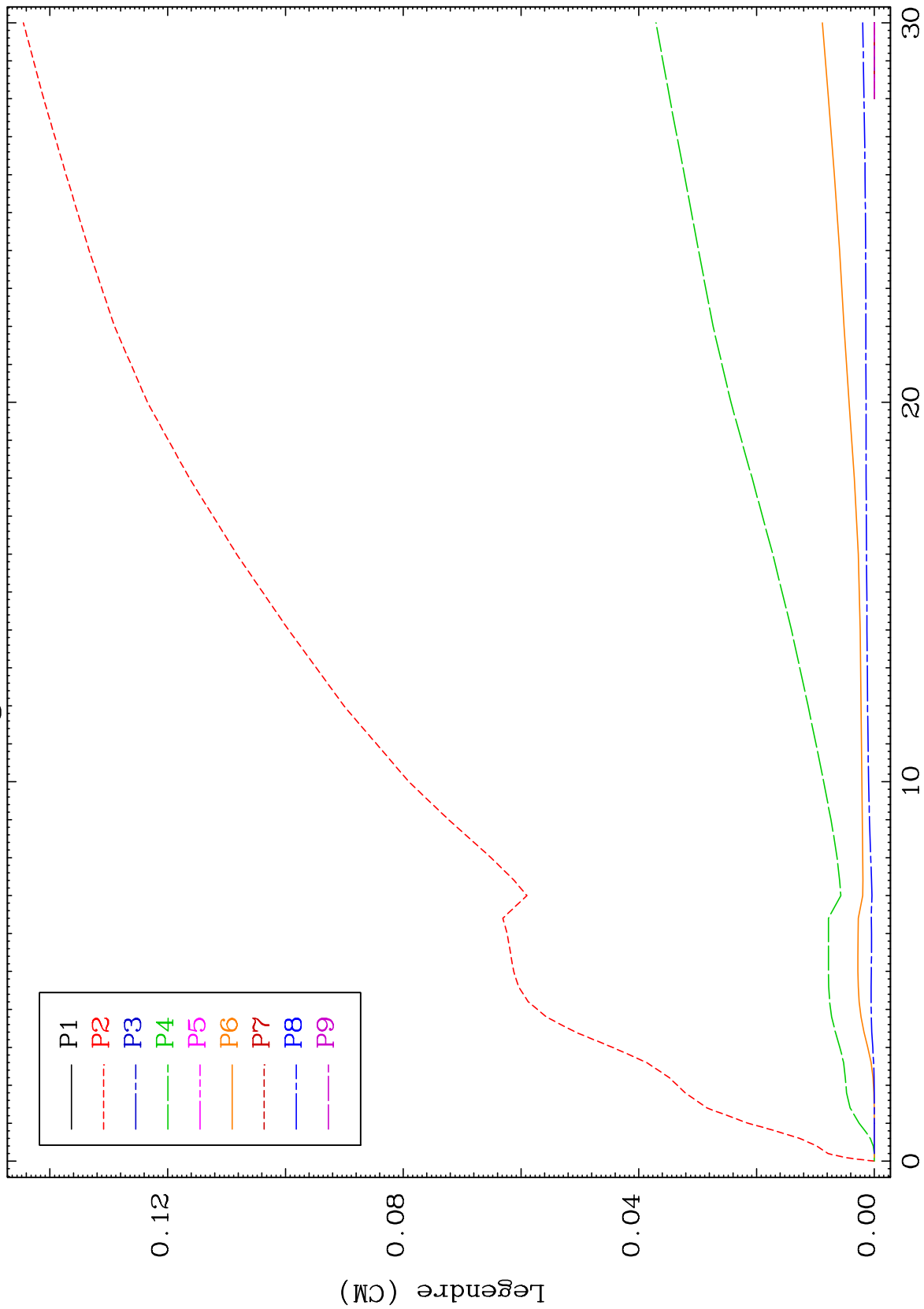




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Elastic
Legendre Coefficients

53-I -130



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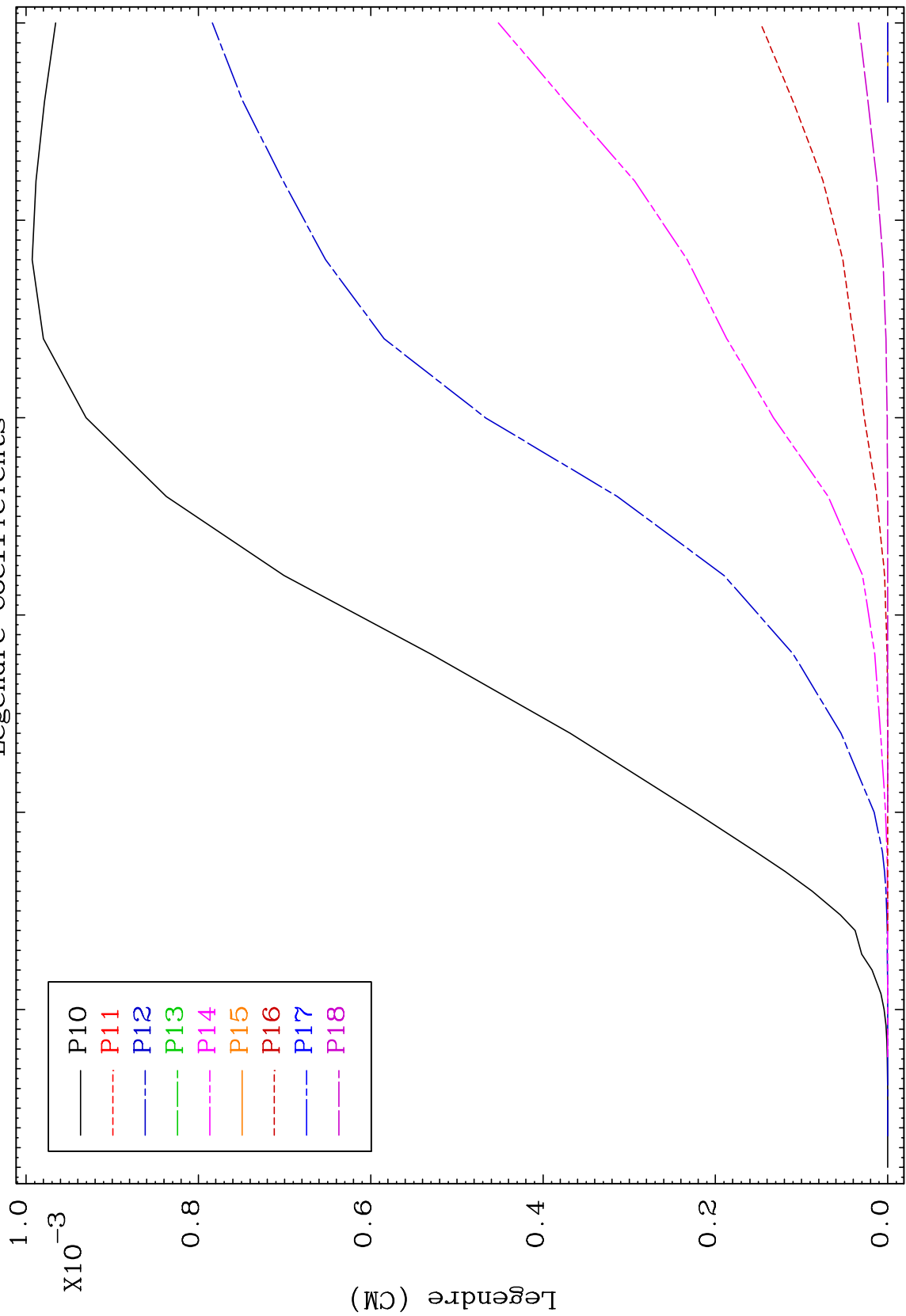
Incident Energy (MeV)

53-I -130

MAT 5335

Elastic Legendre Coefficients

53-I -130



17

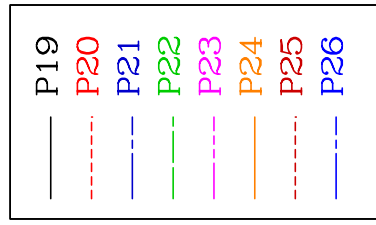
Incident Energy (MeV)

53-I -130

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Elastic Legendre Coefficients

53-I -130



$\times 10^{-6}$

2.0

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

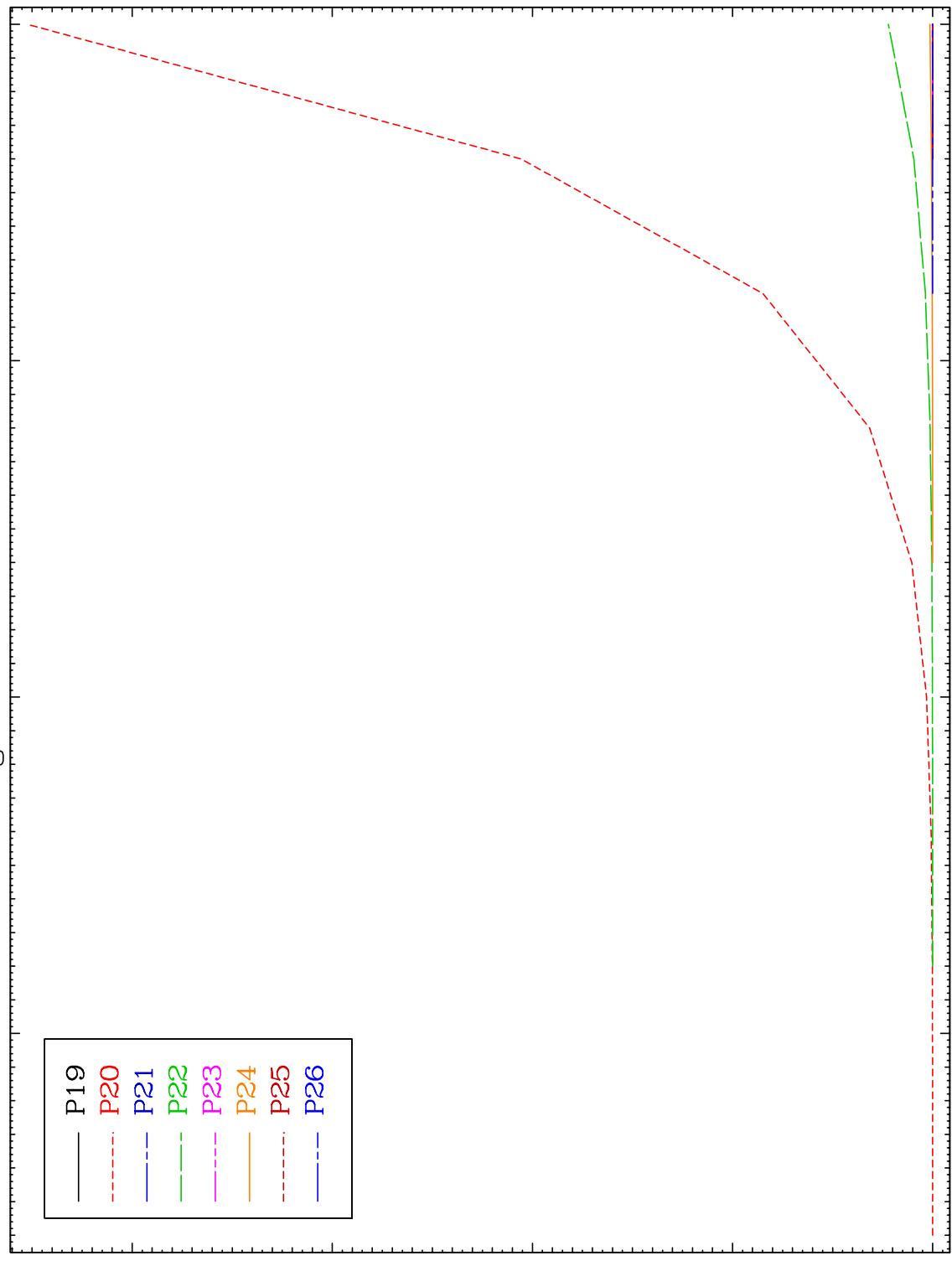
25

30

18

Incident Energy (MeV)

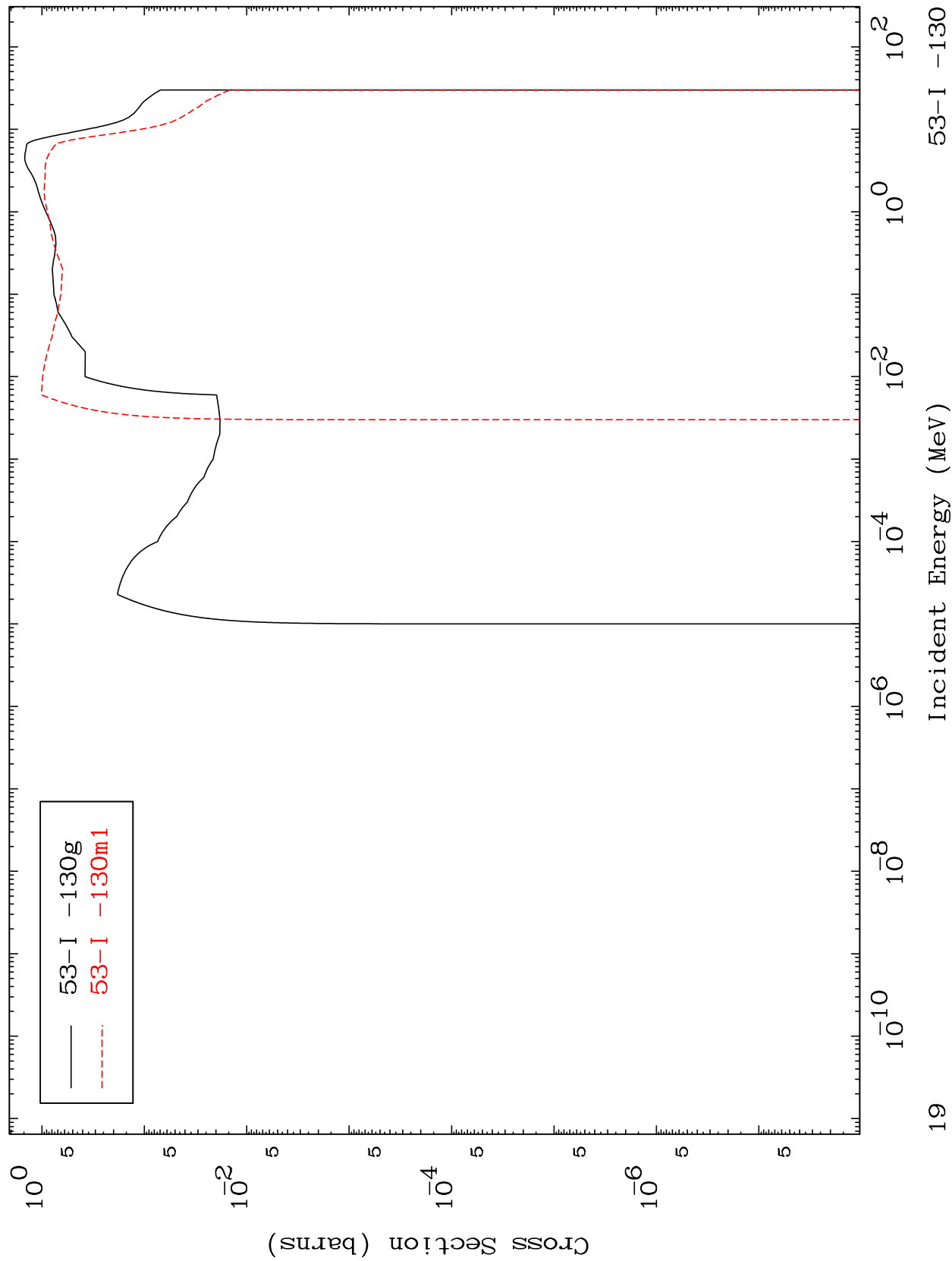
53-I -130



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53-I -130

Inelastic
Radionuclide Production Cross Section

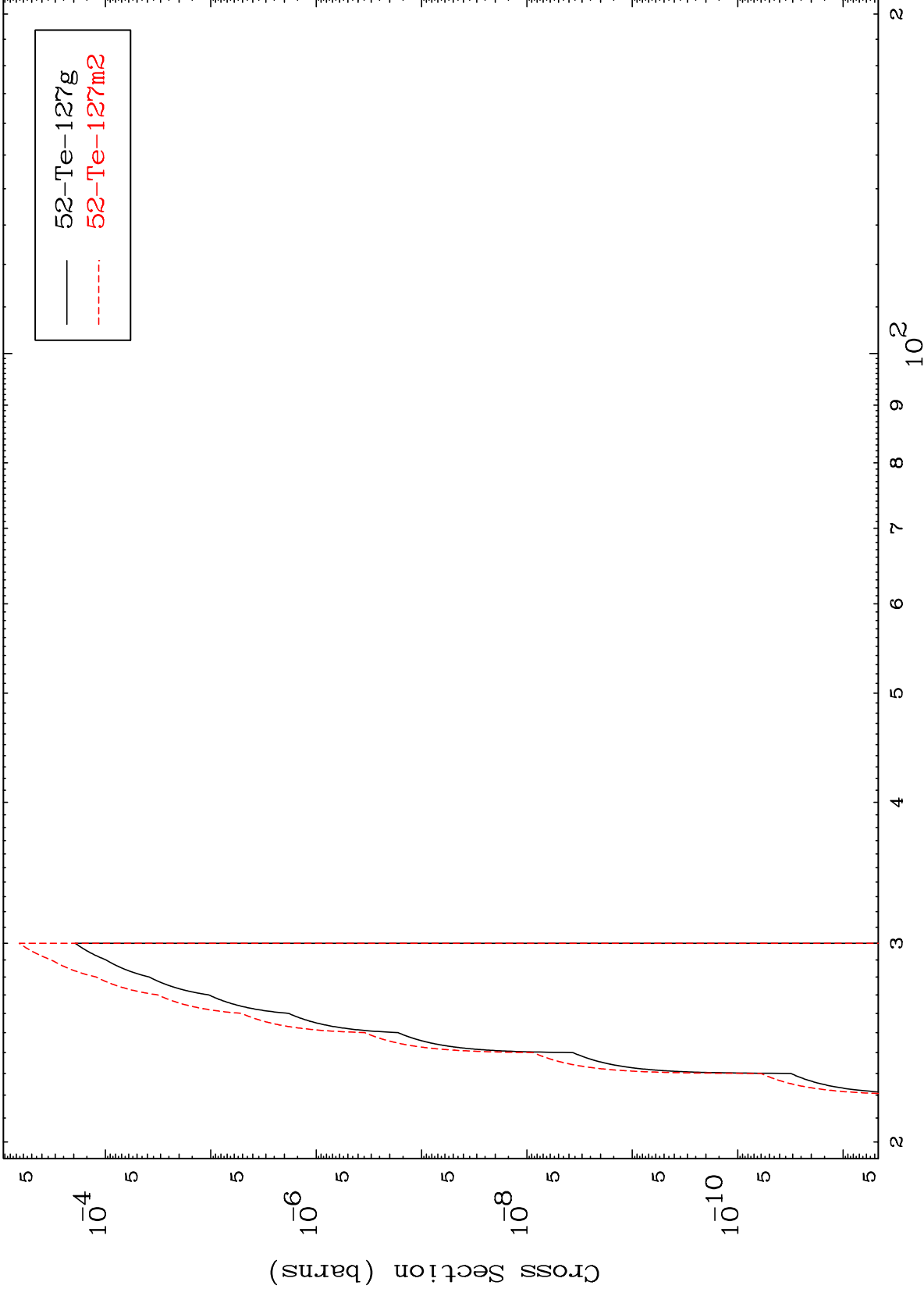


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(n,2n) d

53-I -130

Radionuclide Production Cross Section



20

Incident Energy (MeV)

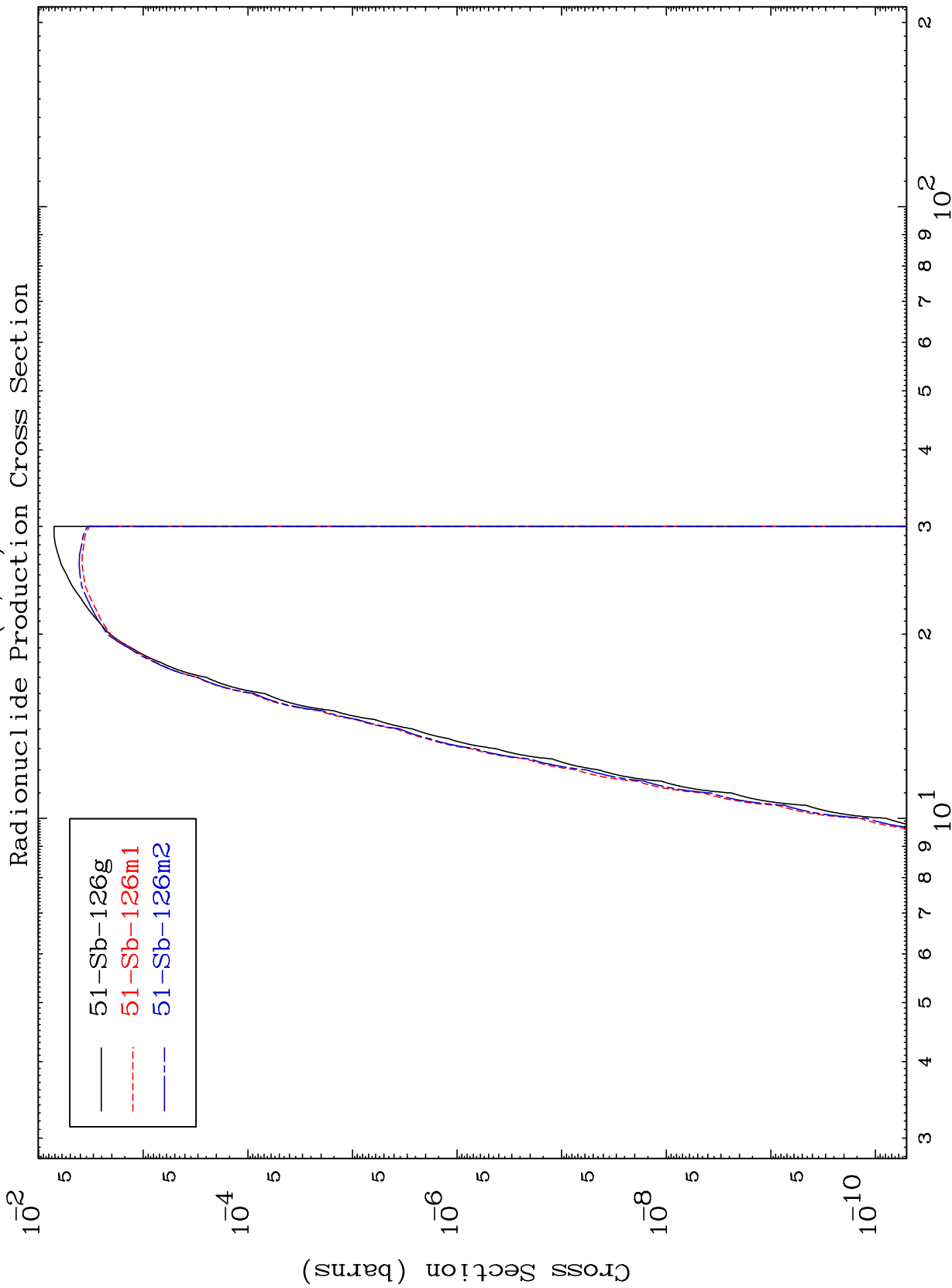
53-I -130

MAT 5335

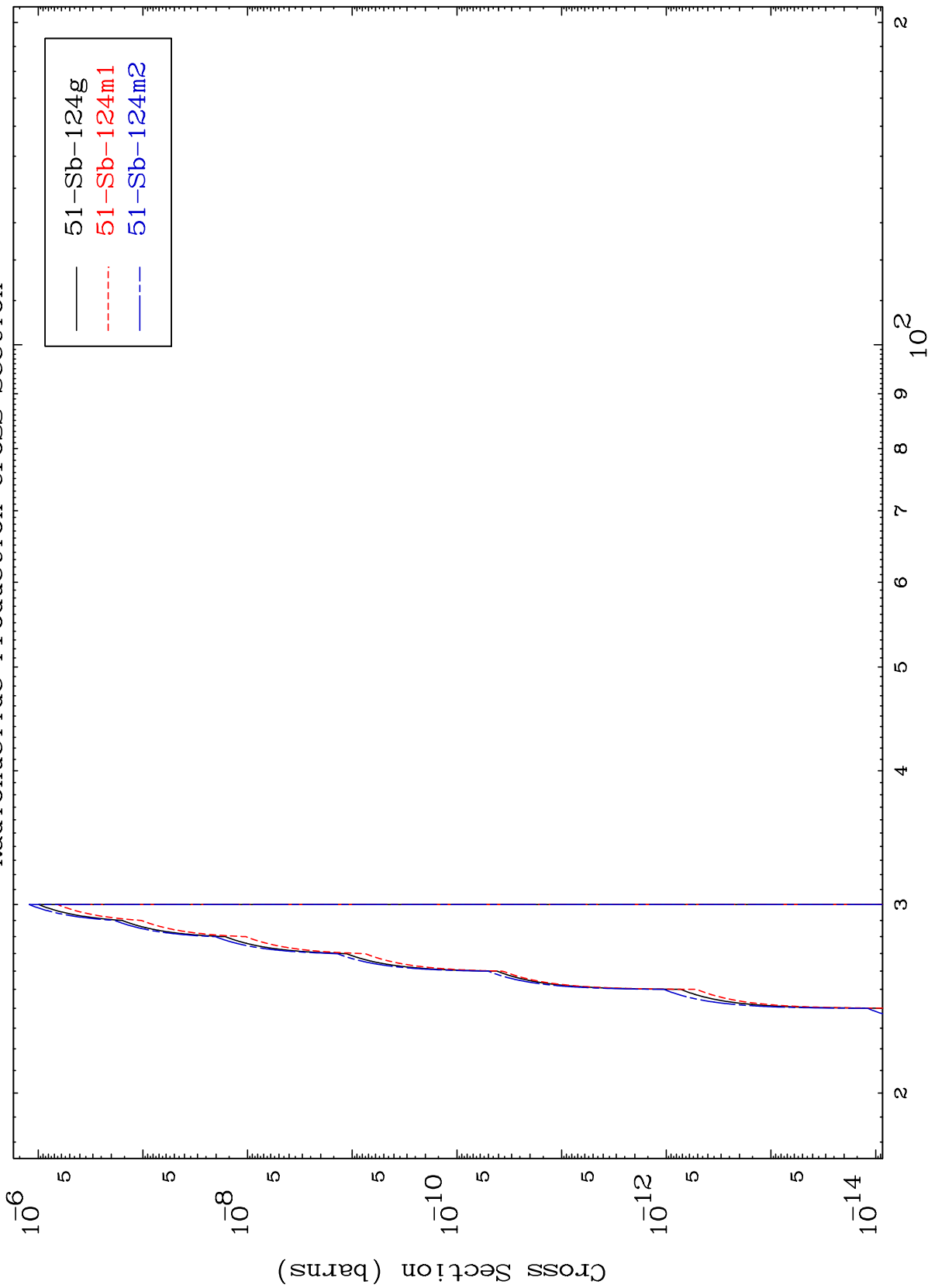
$(n, n') \alpha$

53-I -130

Radionuclide Production Cross Section



Radionuclide Production Cross Section

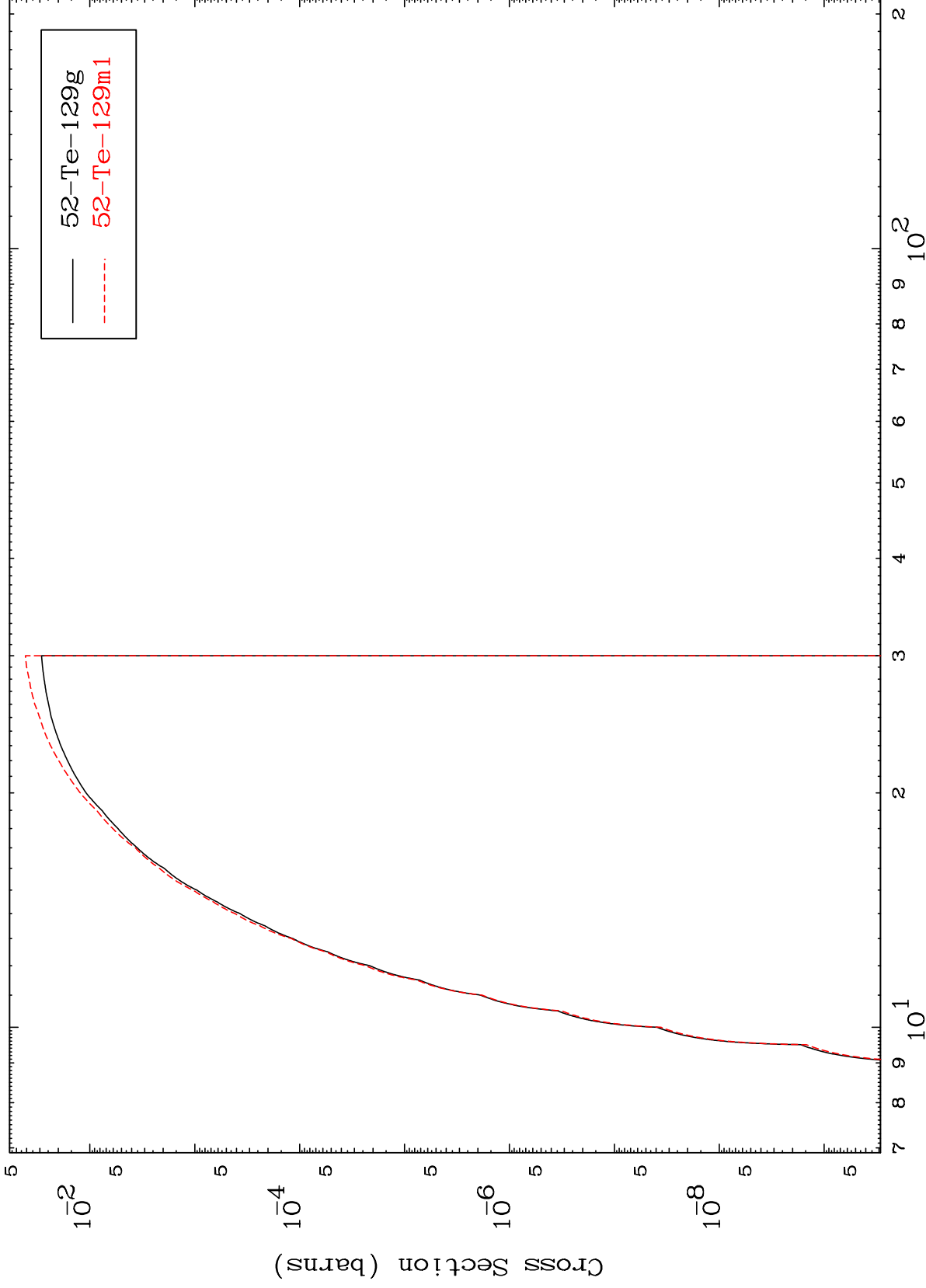


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(n,n') p

53-I -130

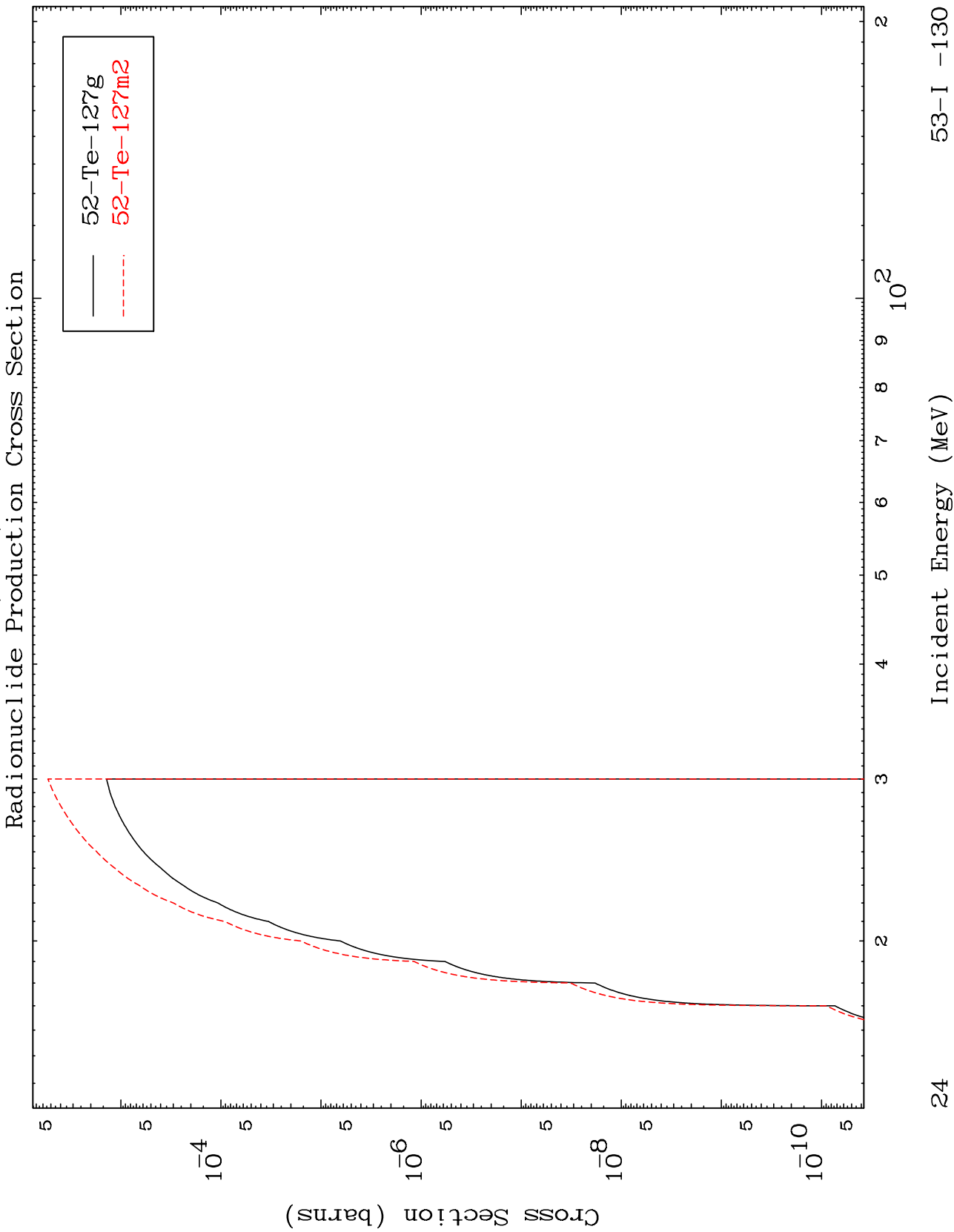
Radionuclide Production Cross Section



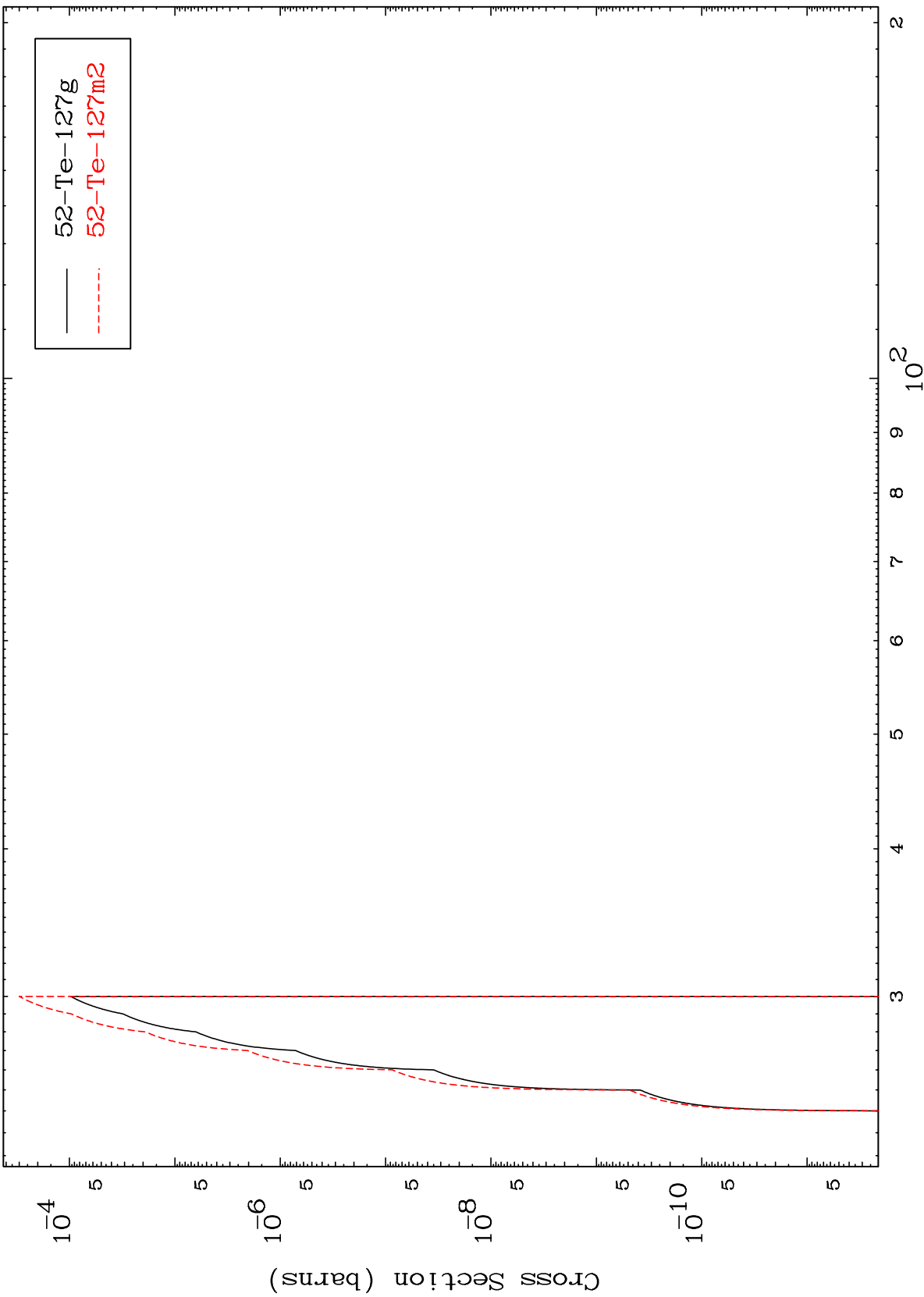
23

Incident Energy (MeV)

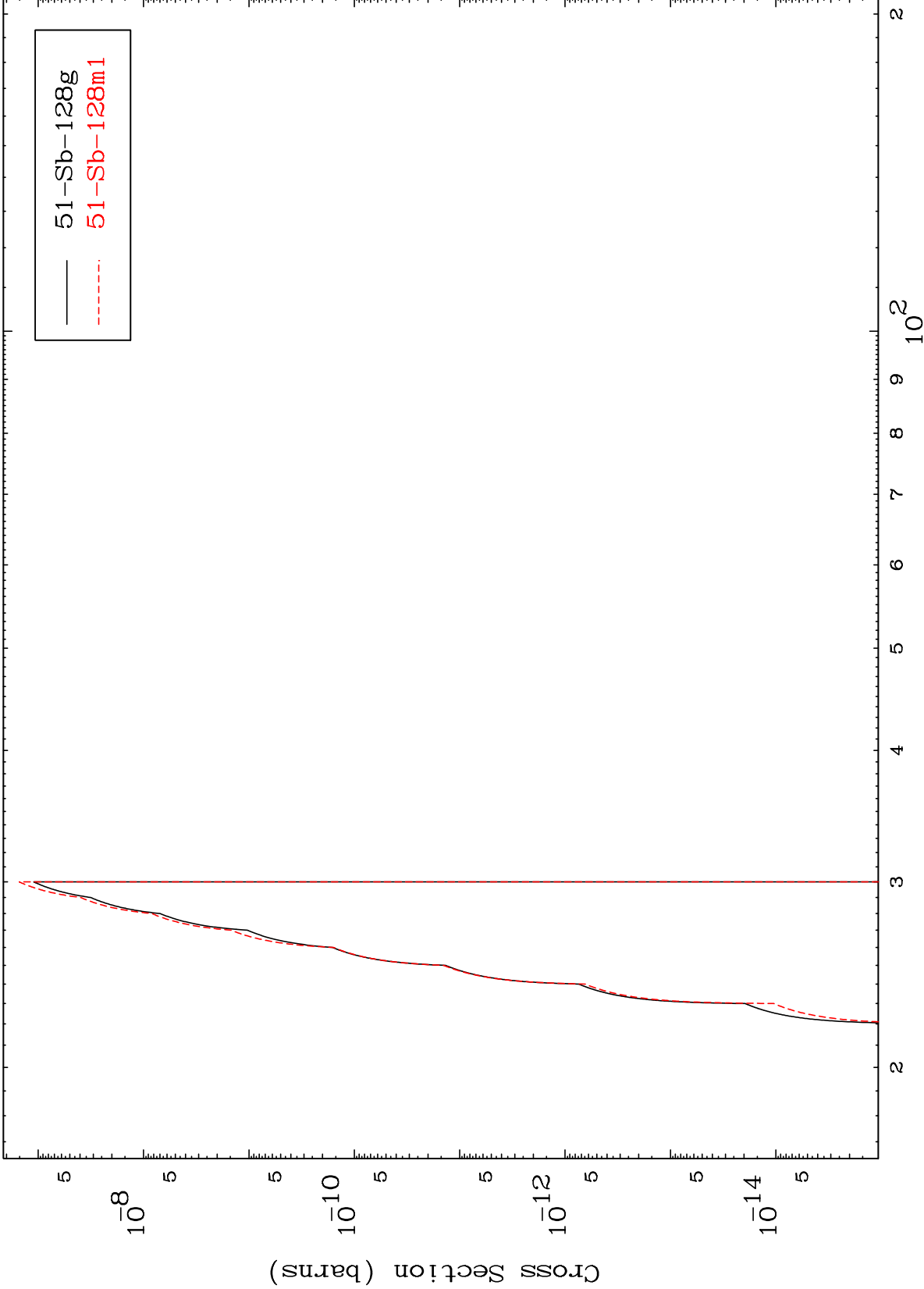
53-I -130



Radionuclide Production Cross Section



Radionuclide Production Cross Section

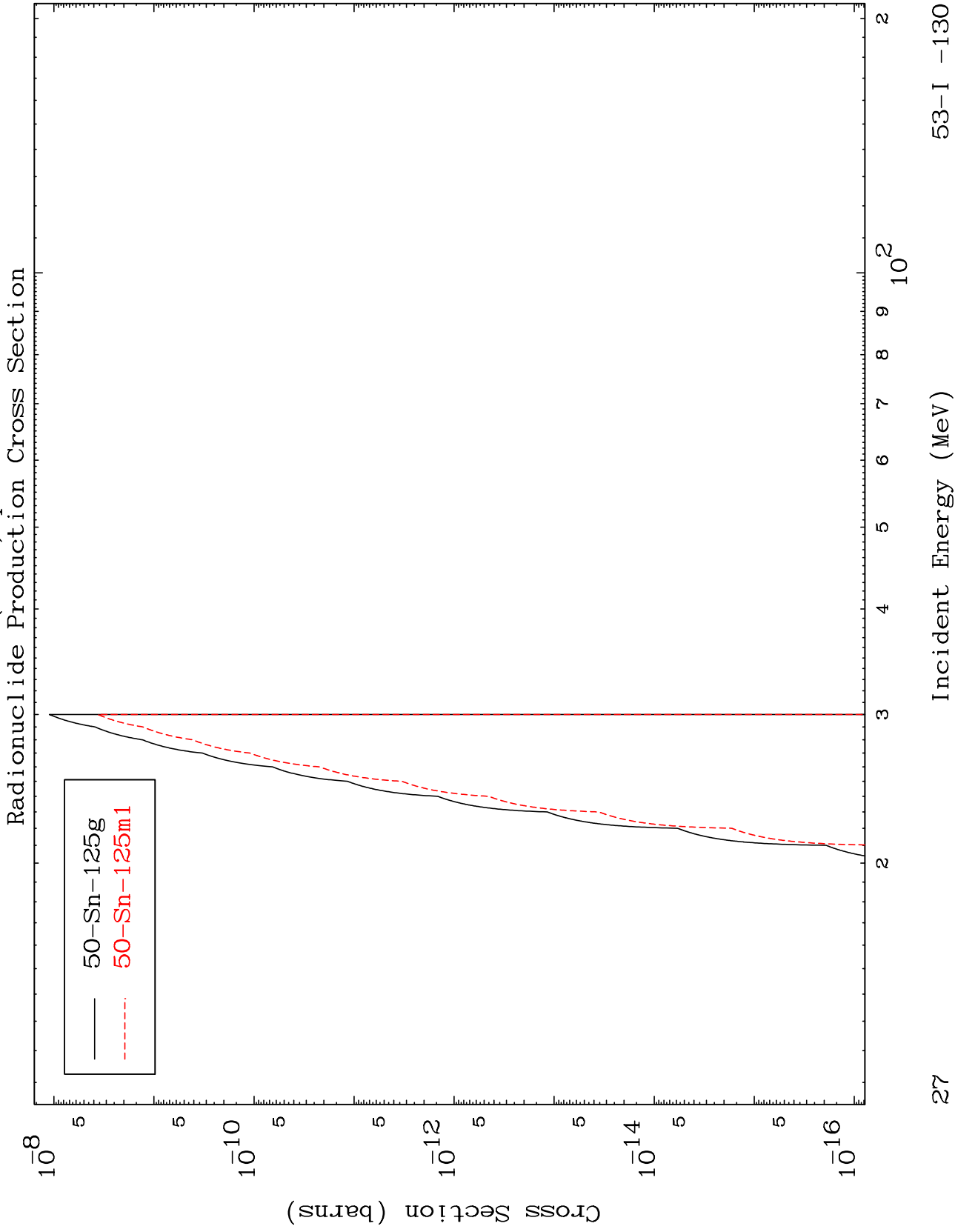


51-Sb-128g
51-Sb-128m1

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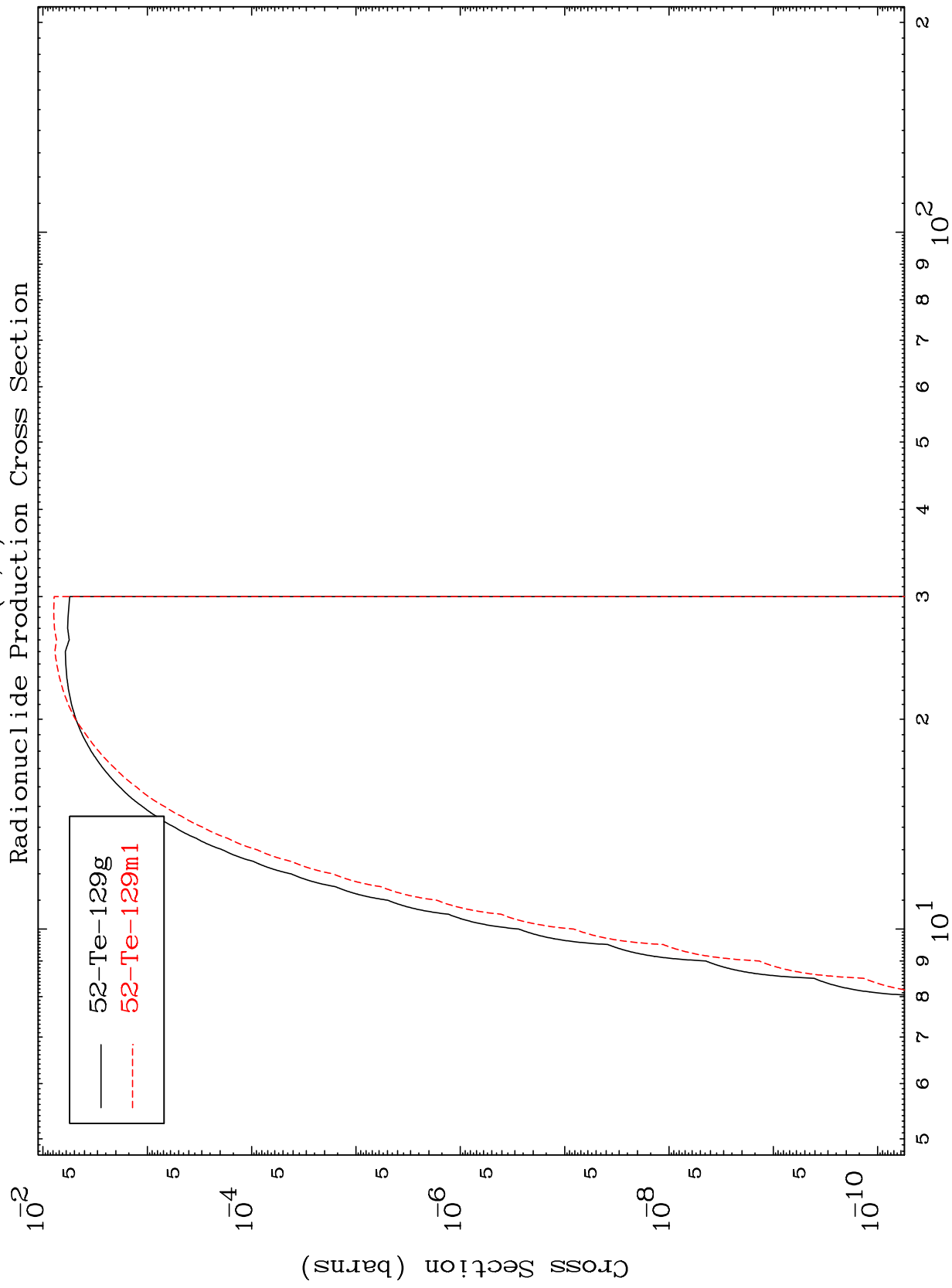
(n,n') p α

53-I -130



MAT 5335

53-I -130

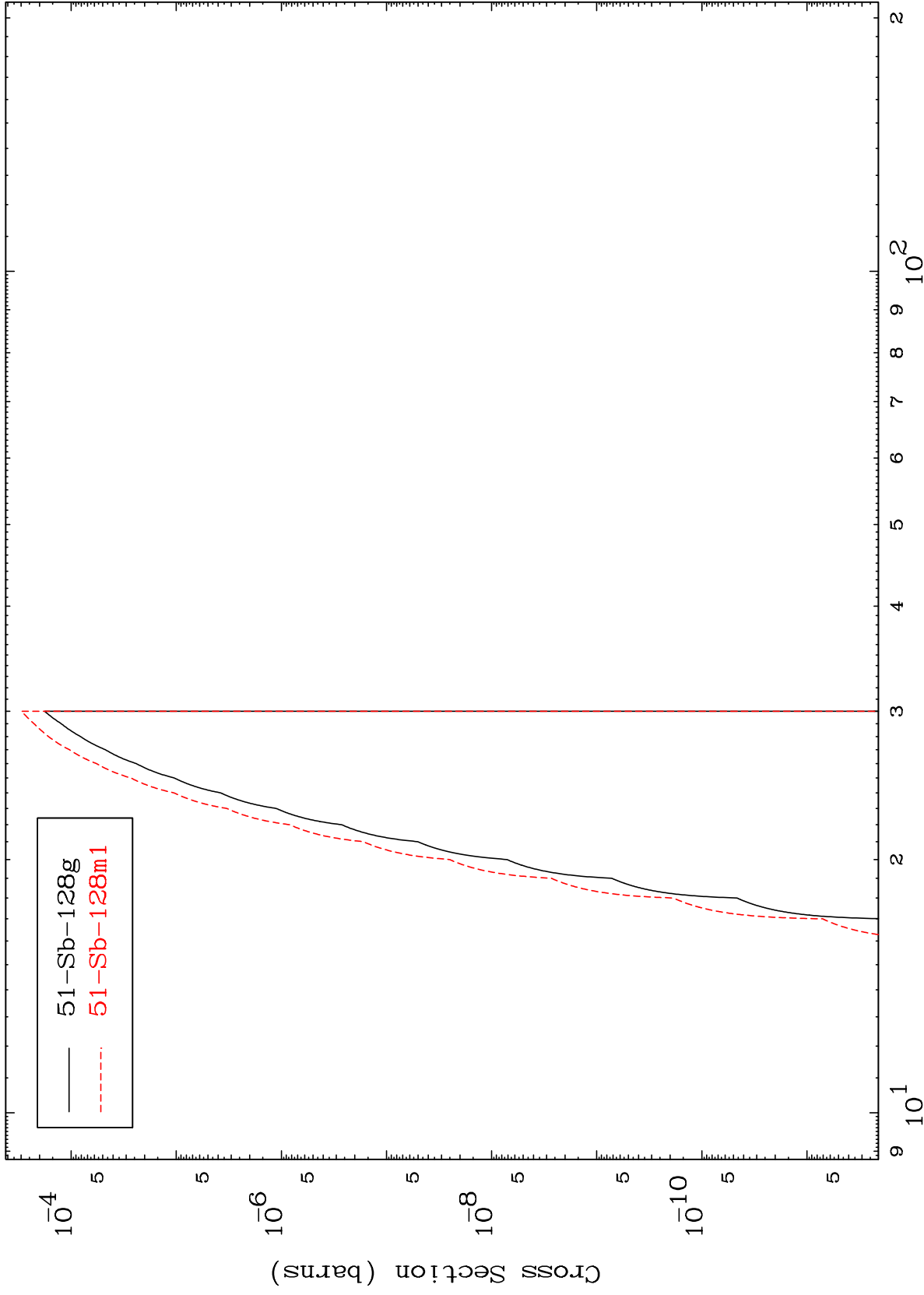


Incident Energy (MeV)

53-I -130

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Radionuclide Production Cross Section

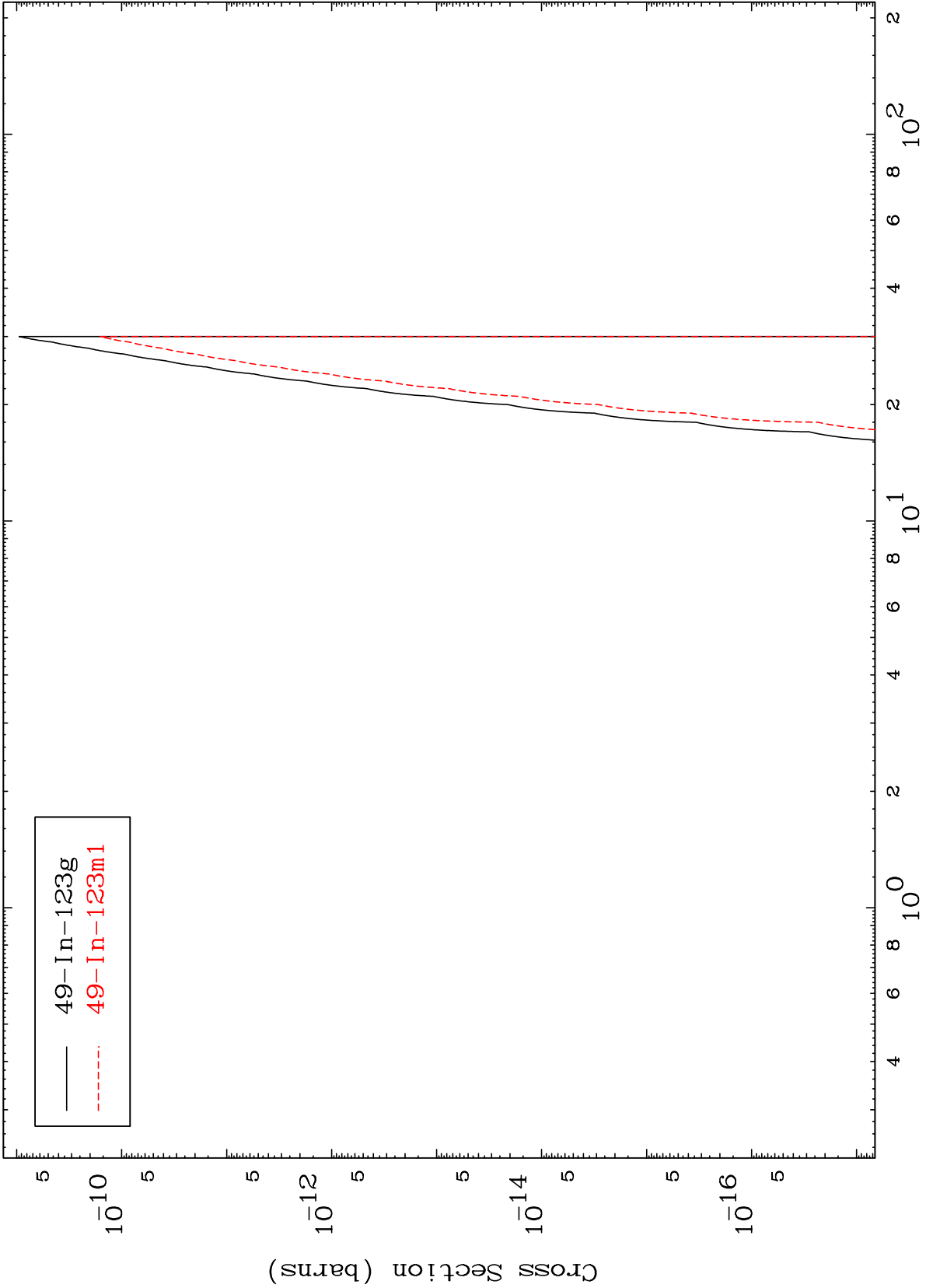


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(n,2α)

53-I -130

Radionuclide Production Cross Section



30

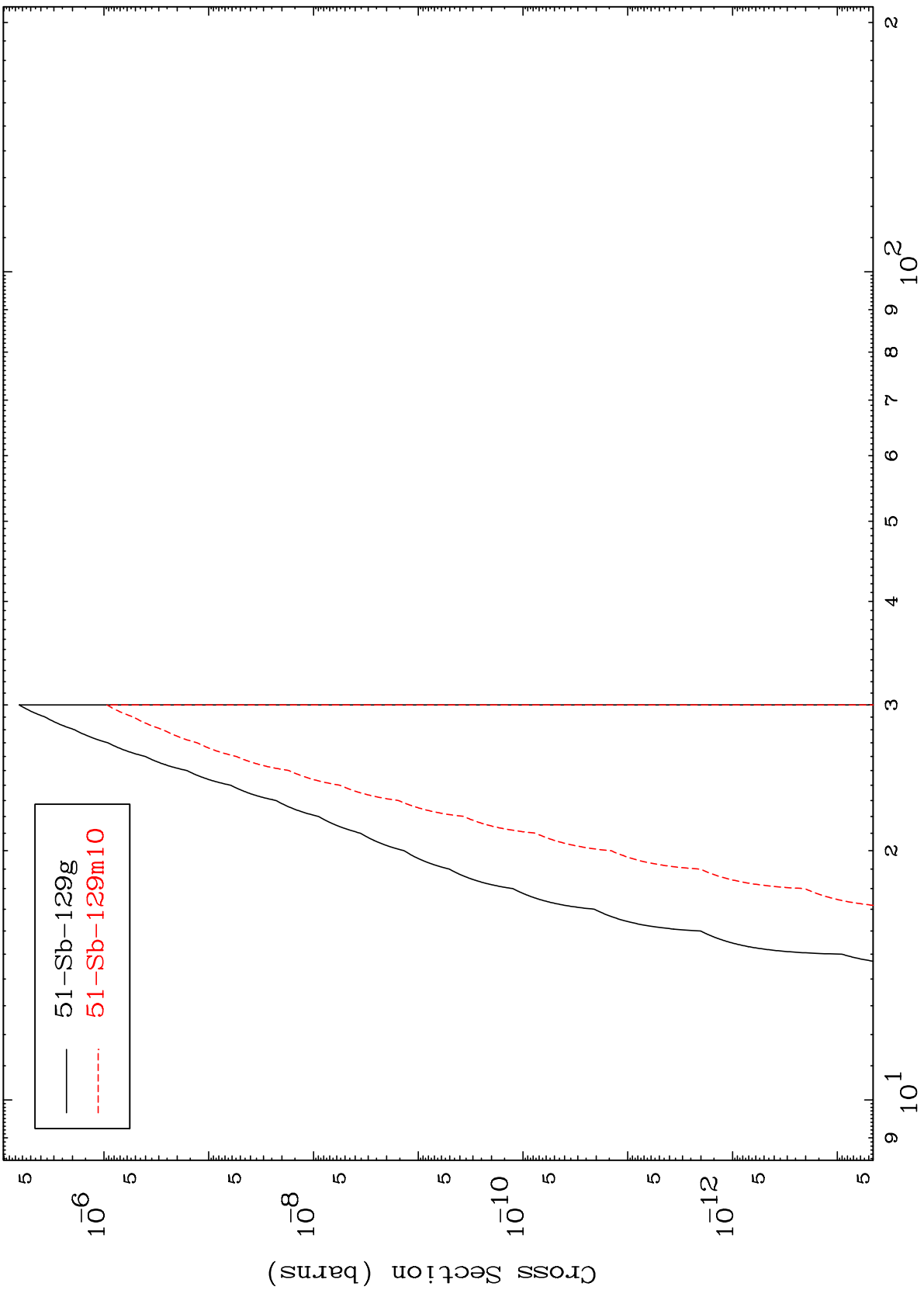
Incident Energy (MeV)

53-I -130

MAT 5335

53-I -130

(n,2p)
Radionuclide Production Cross Section

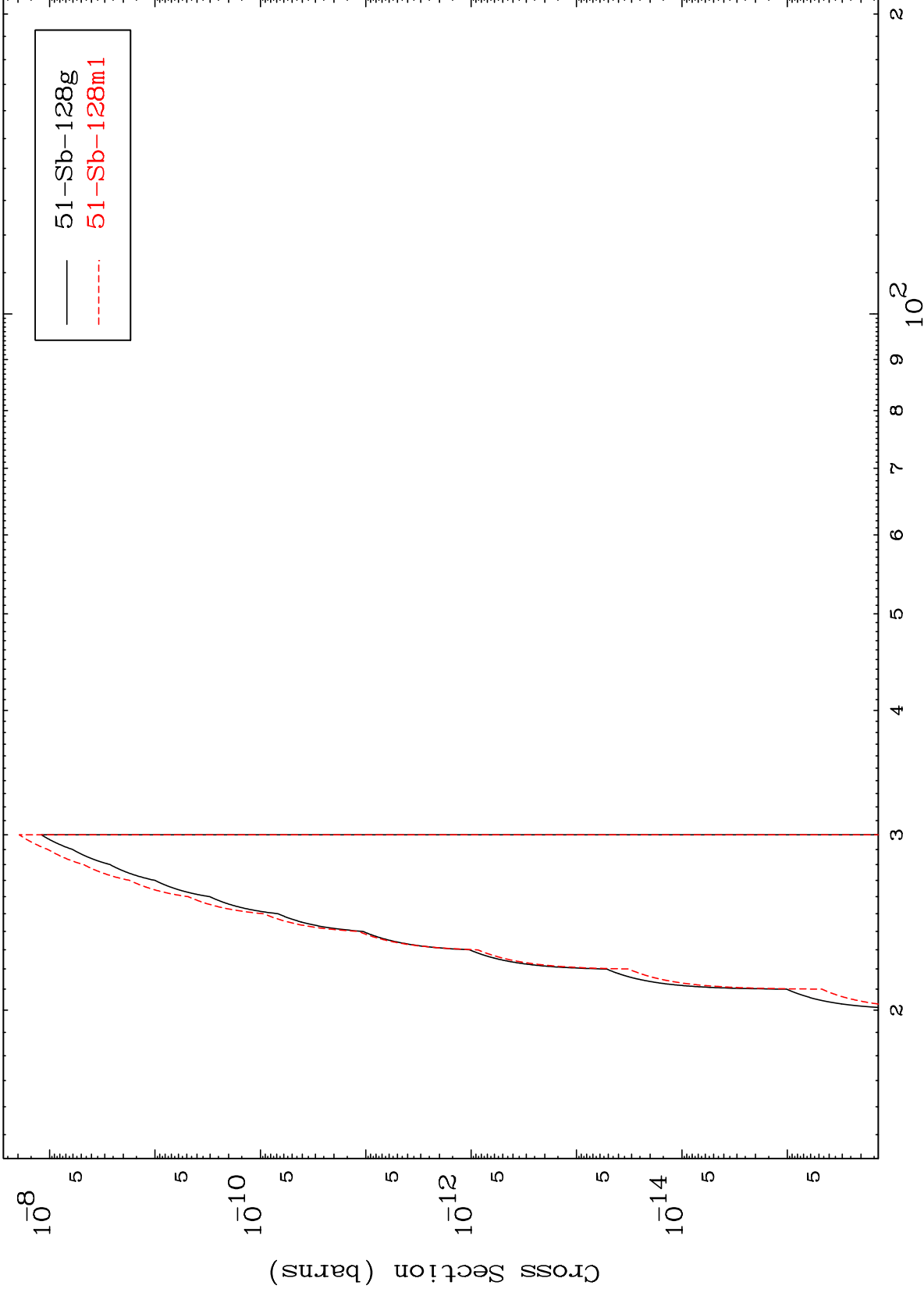


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53-I -130

Incident Energy (MeV)

Radionuclide Production Cross Section

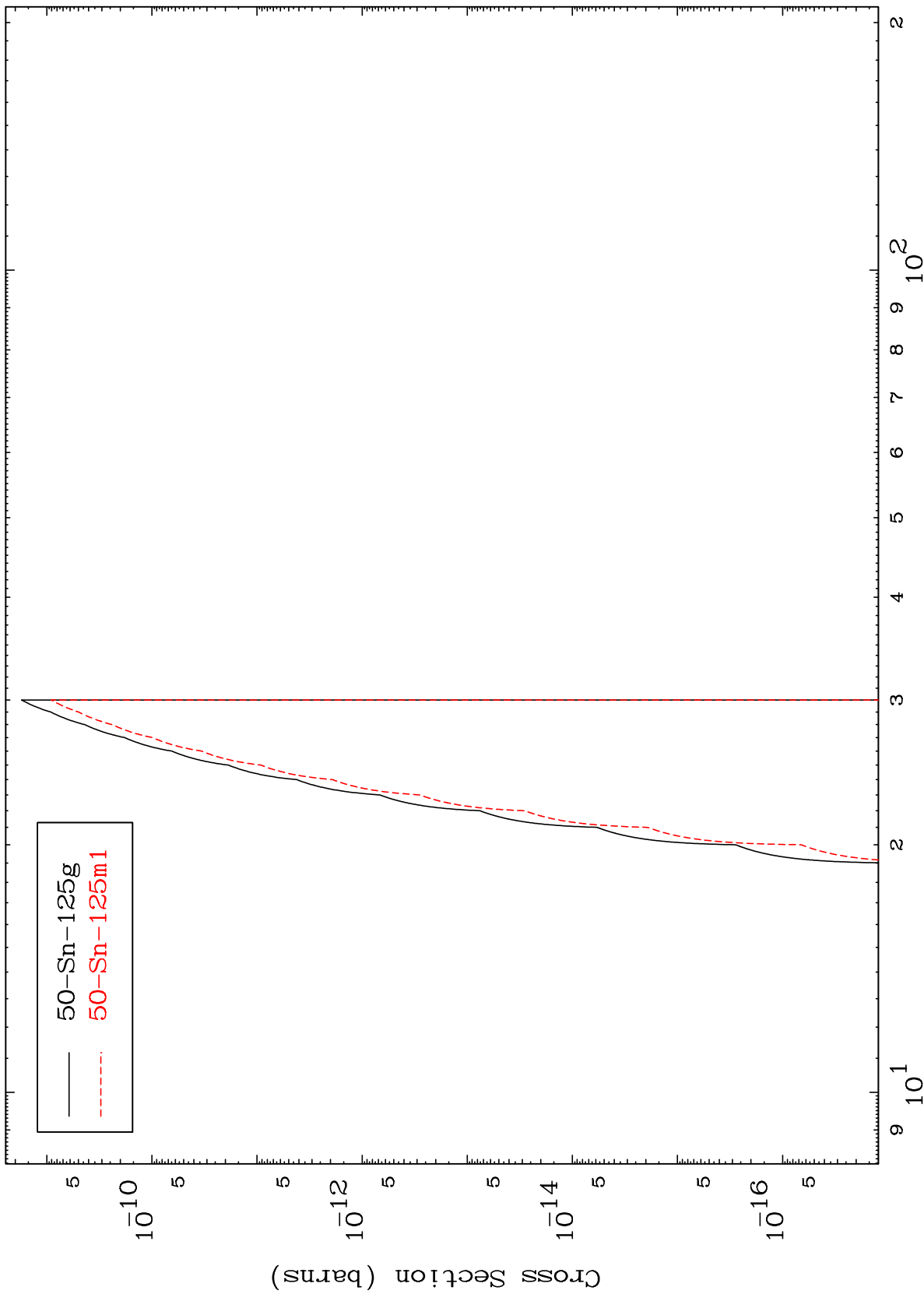


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(n,d) α

53-I -130

Radionuclide Production Cross Section



33

Incident Energy (MeV)

53-I -130