

Program EVALPLOT
(Version 2021-1)

by

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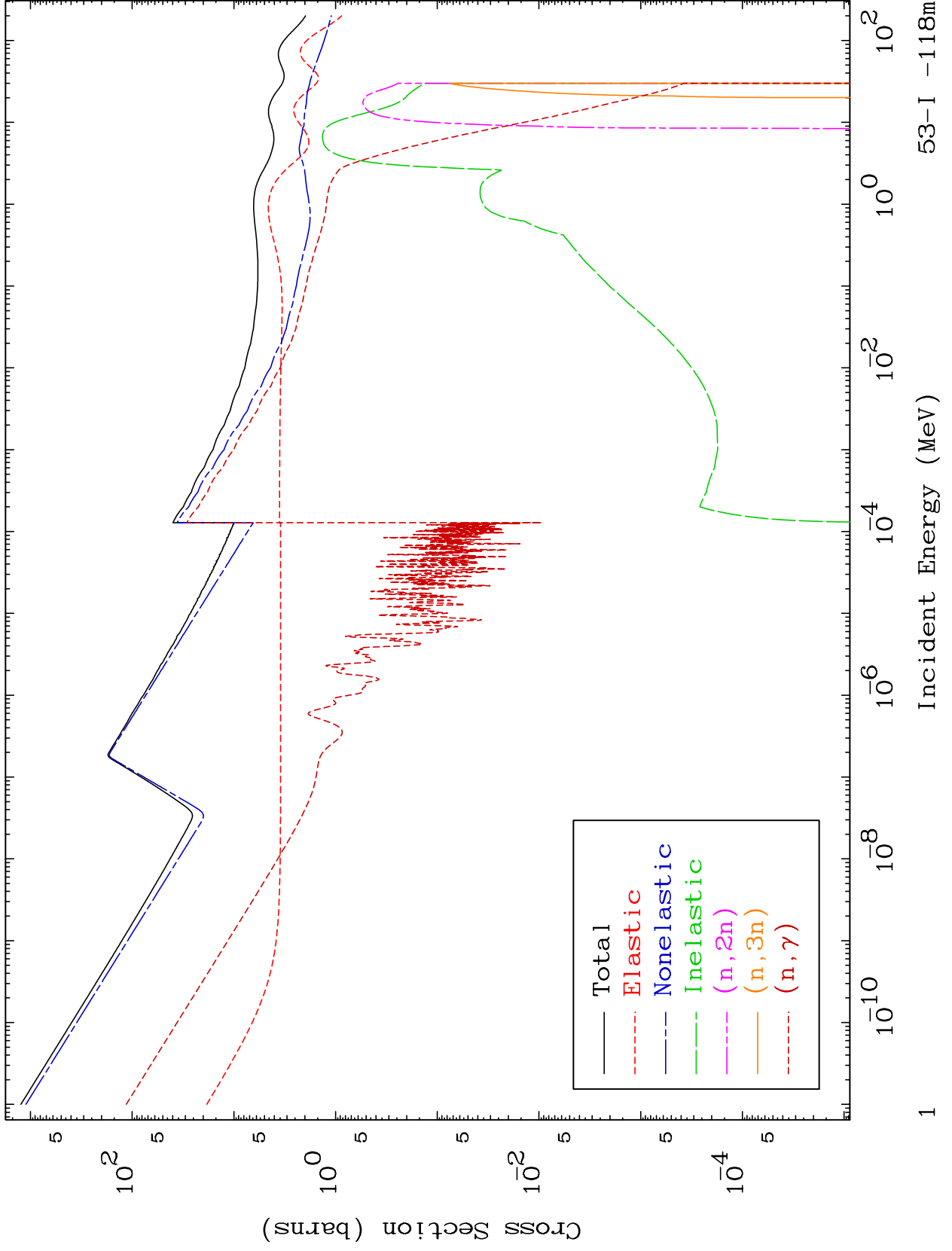
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5299

Neutron Major
293 Kelvin Cross Sections

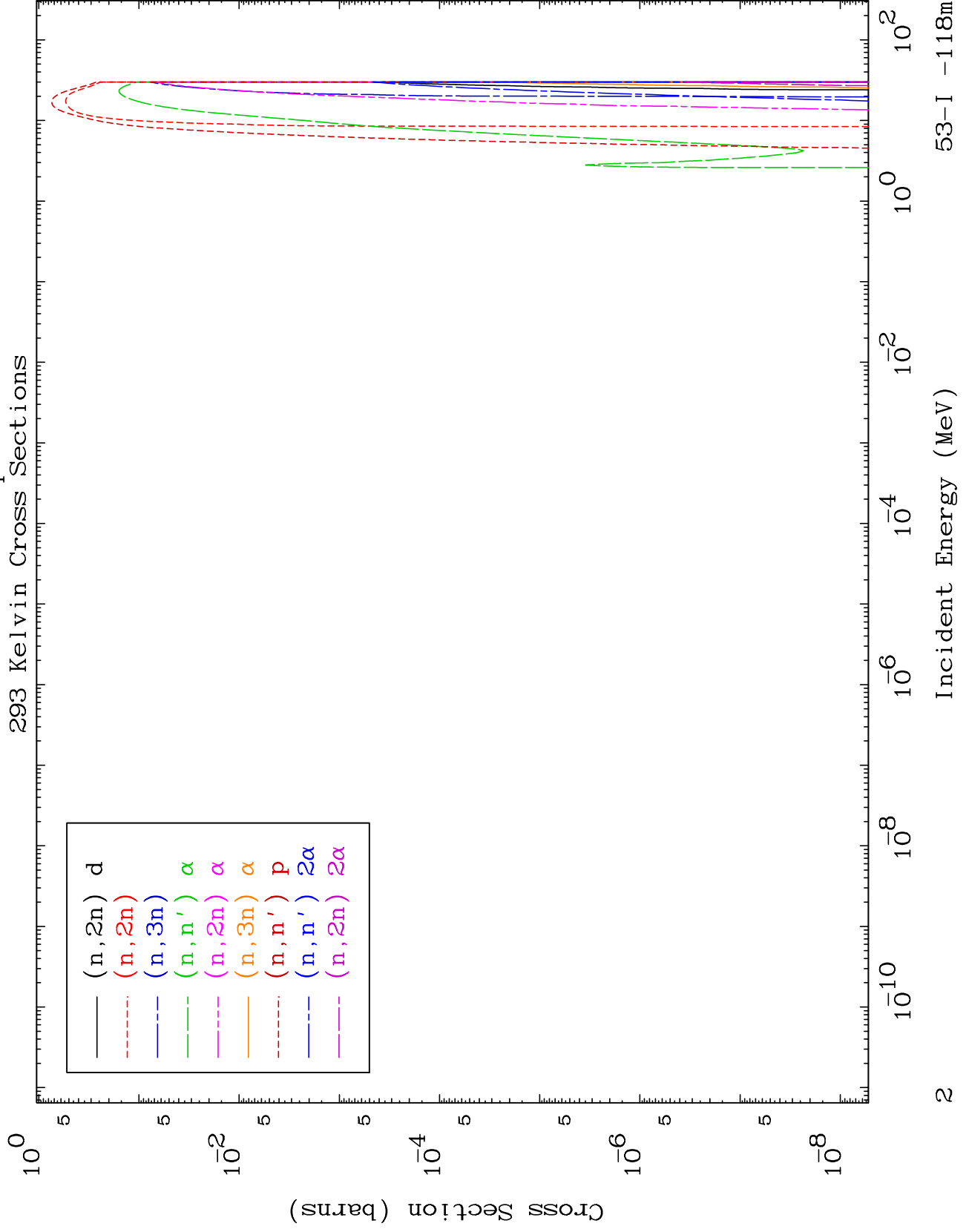
53-I -118m



MAT 5299

Neutron Absorption
293 Kelvin Cross Sections

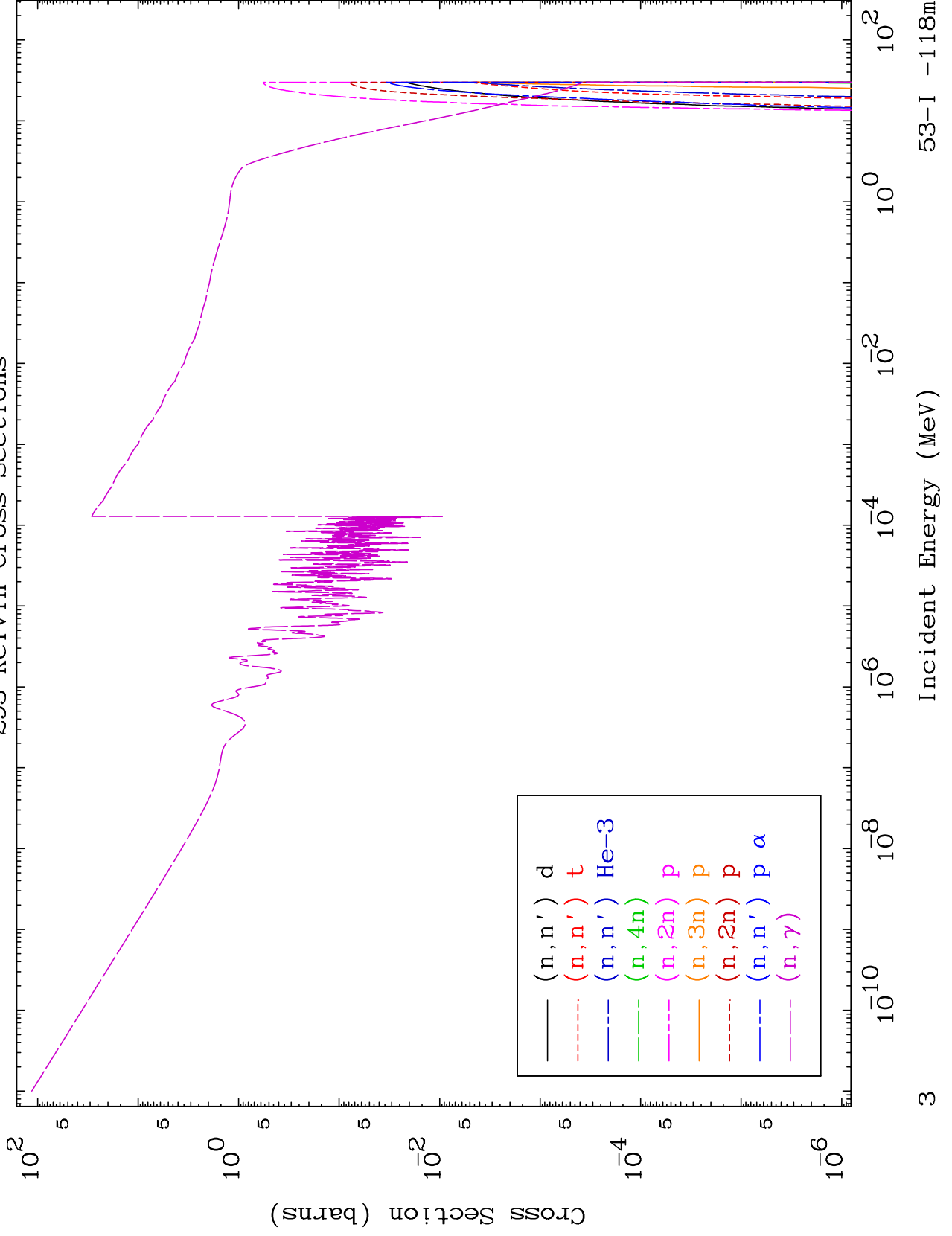
53-I -118m



MAT 5299

Neutron Absorption
293 Kelvin Cross Sections

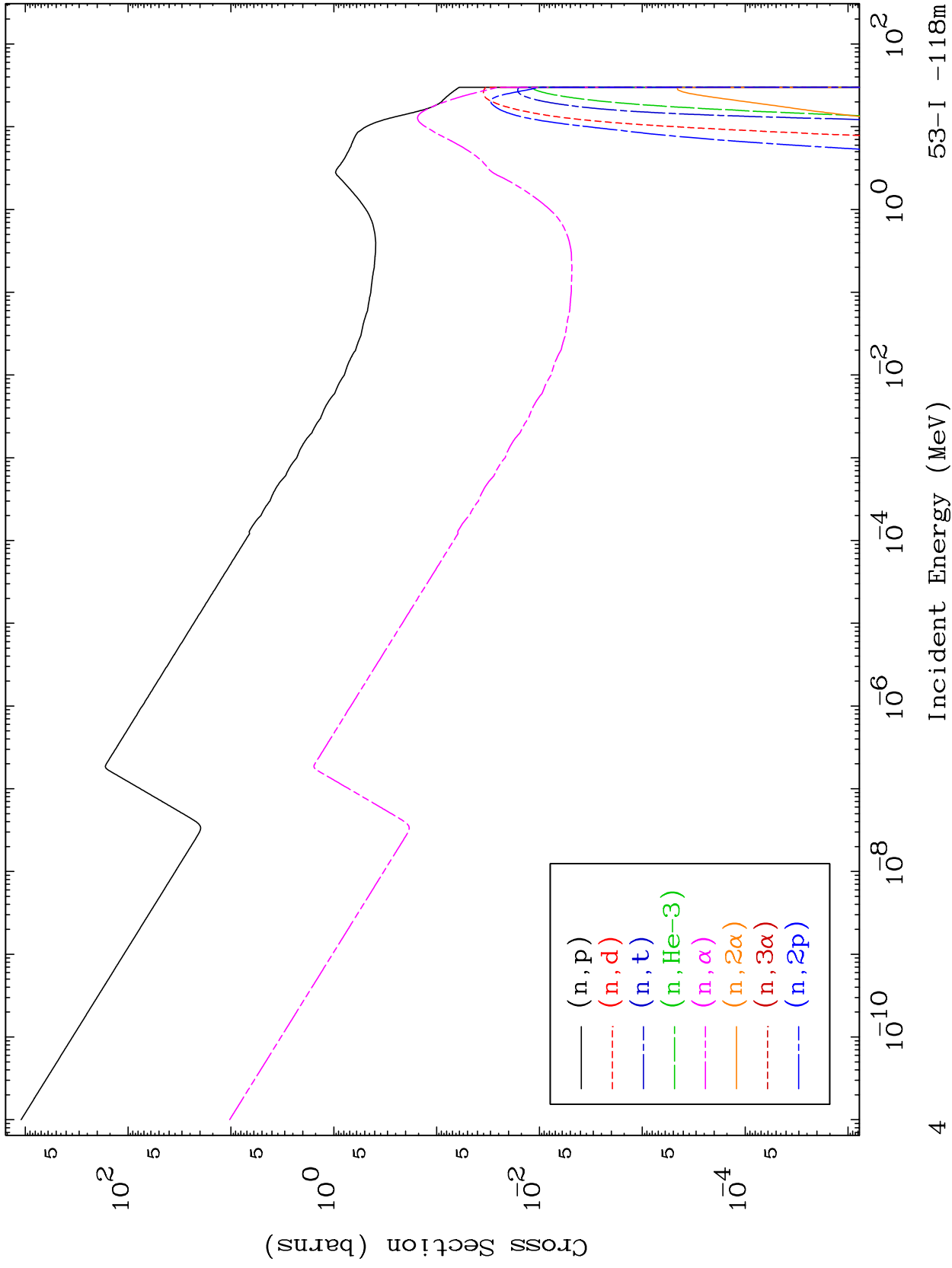
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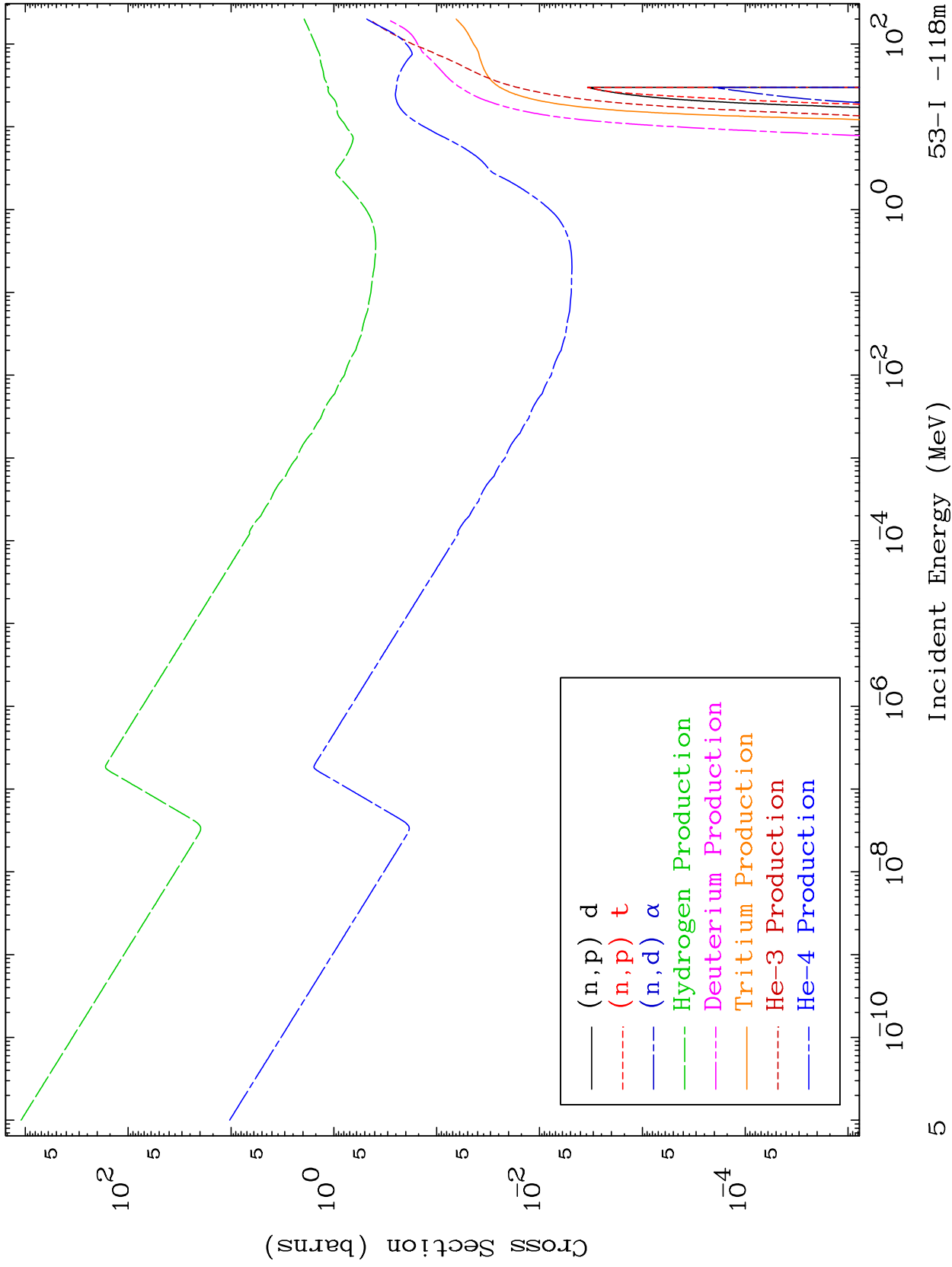


MAT 5299

Neutron Absorption
293 Kelvin Cross Sections

53-I -118m

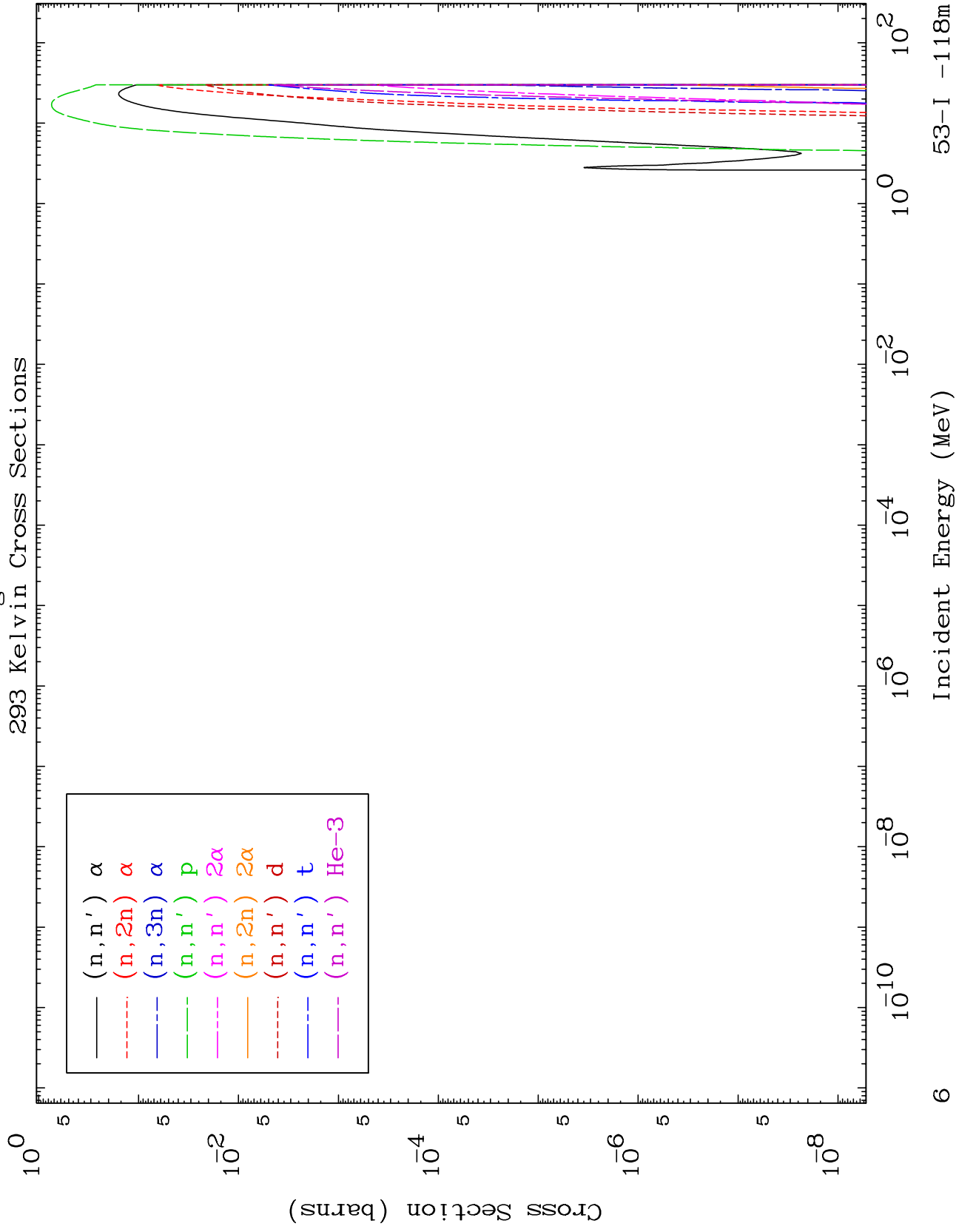




MAT 5299

Charged Particle
293 Kelvin Cross Sections

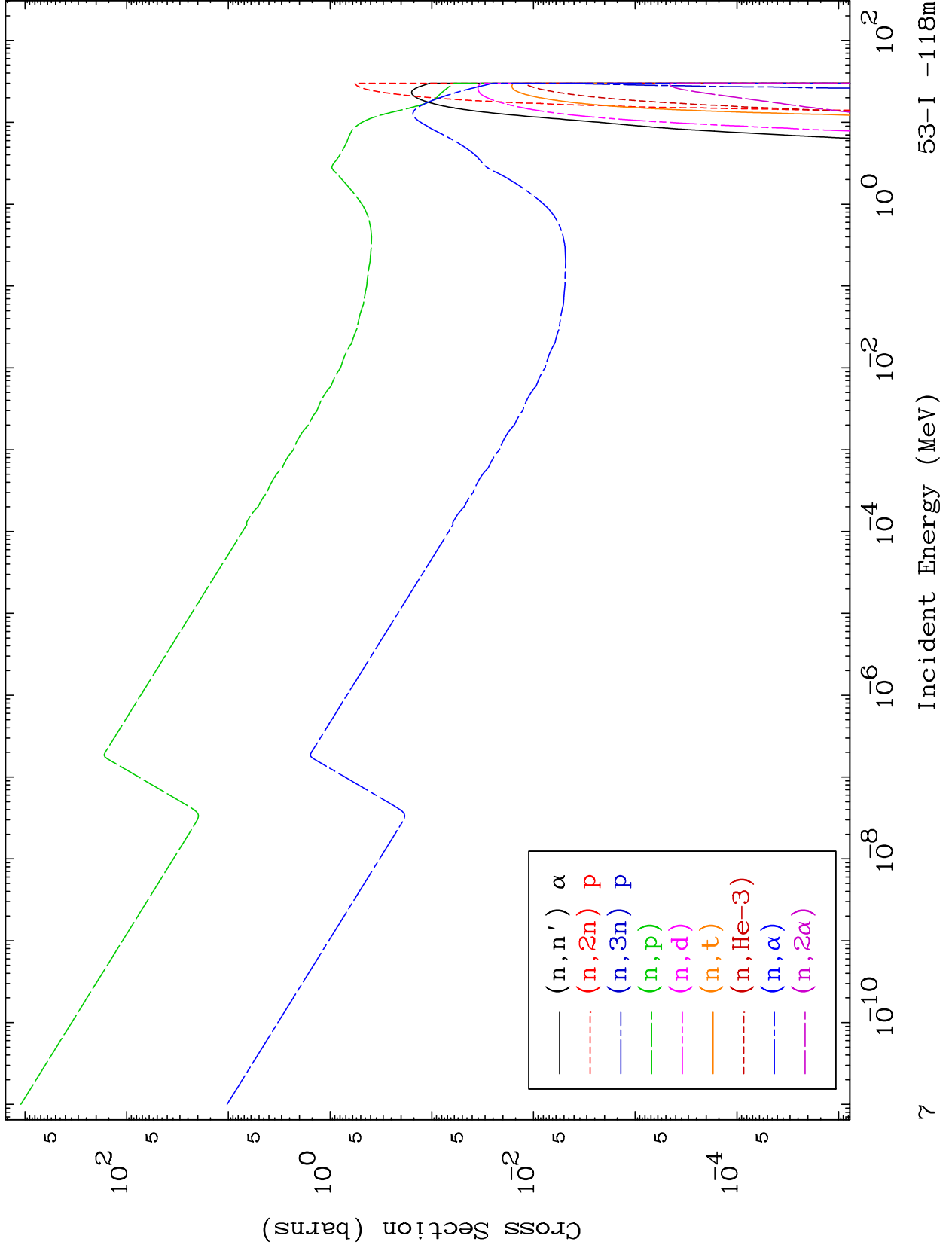
53-I -118m



MAT 5299

Charged Particle
293 Kelvin Cross Sections

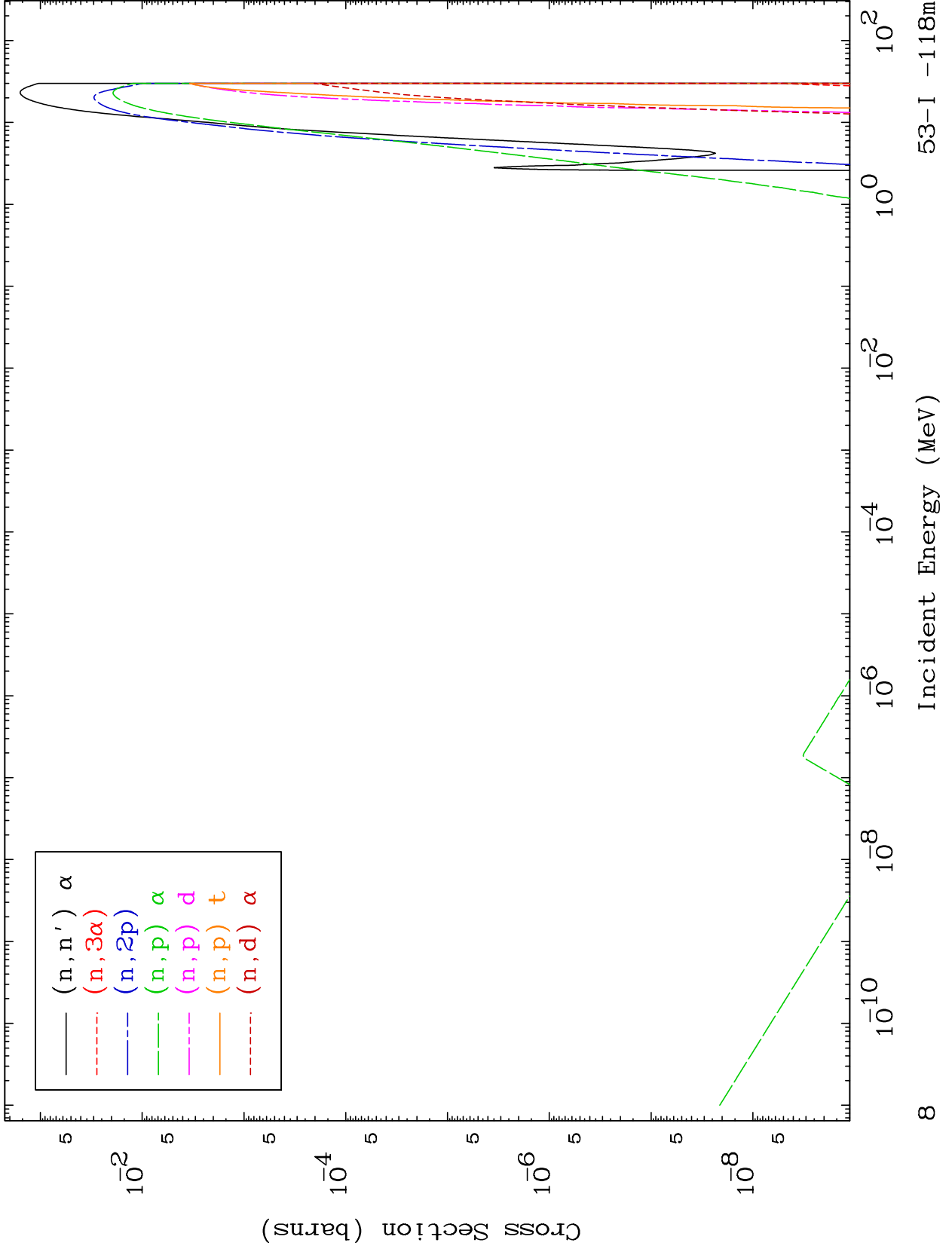
53-I -118m



MAT 5299

Charged Particle
293 Kelvin Cross Sections

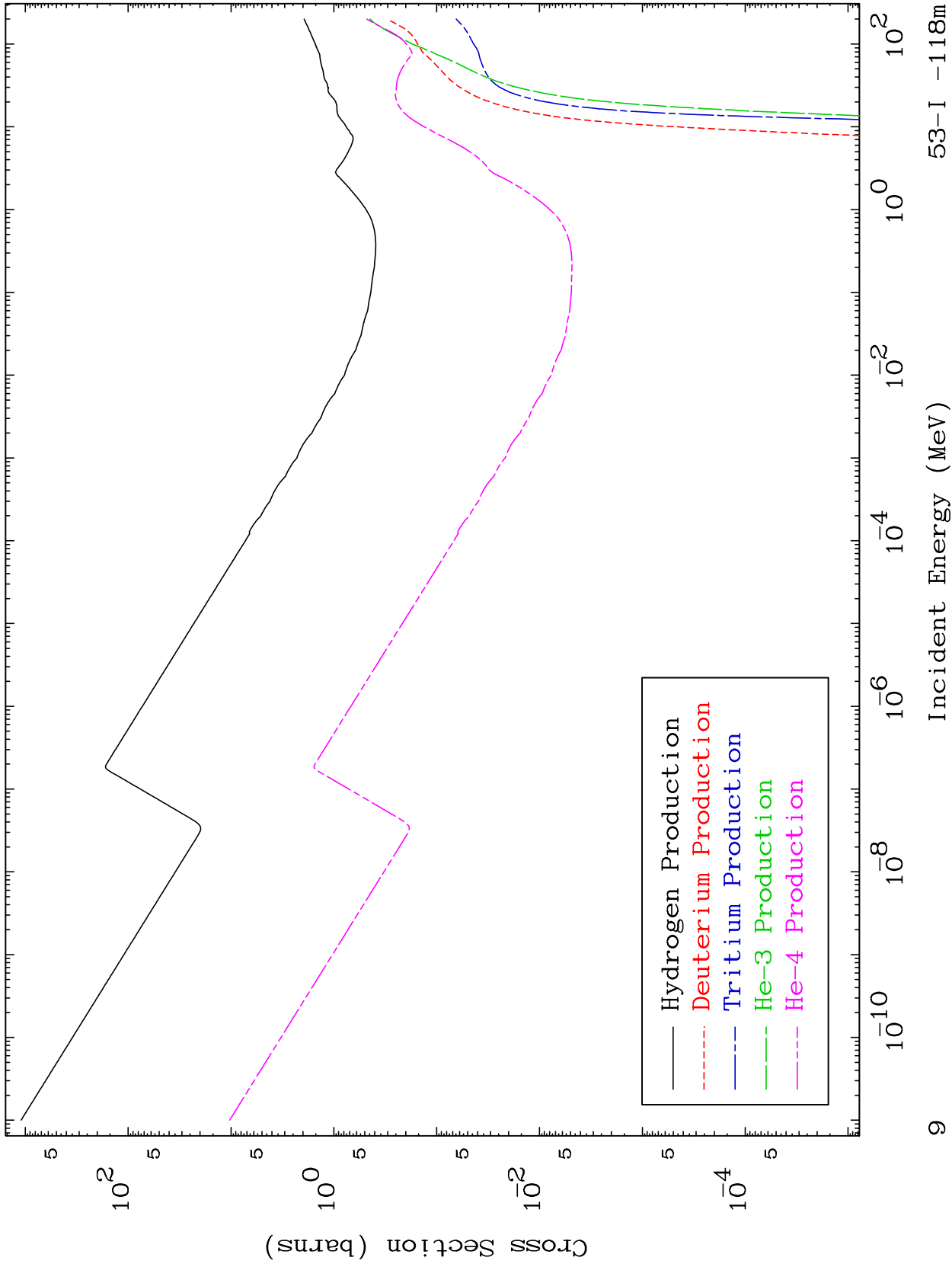
53-I -118m



MAT 5299

Particle Production
293 Kelvin Cross Sections

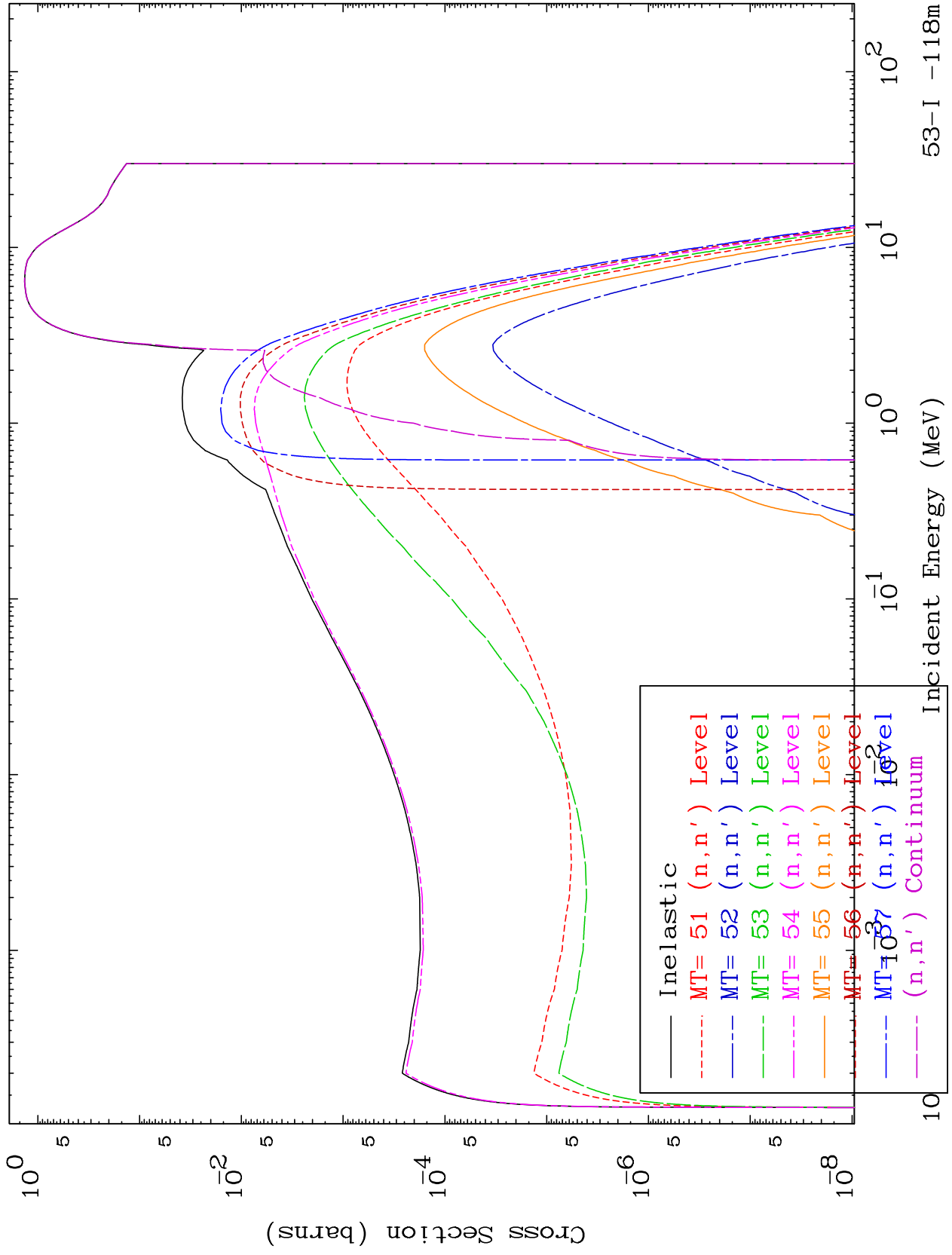
53-I -118m



MAT 5299

(n,n') Levels
293 Kelvin Cross Sections

53-I -118m

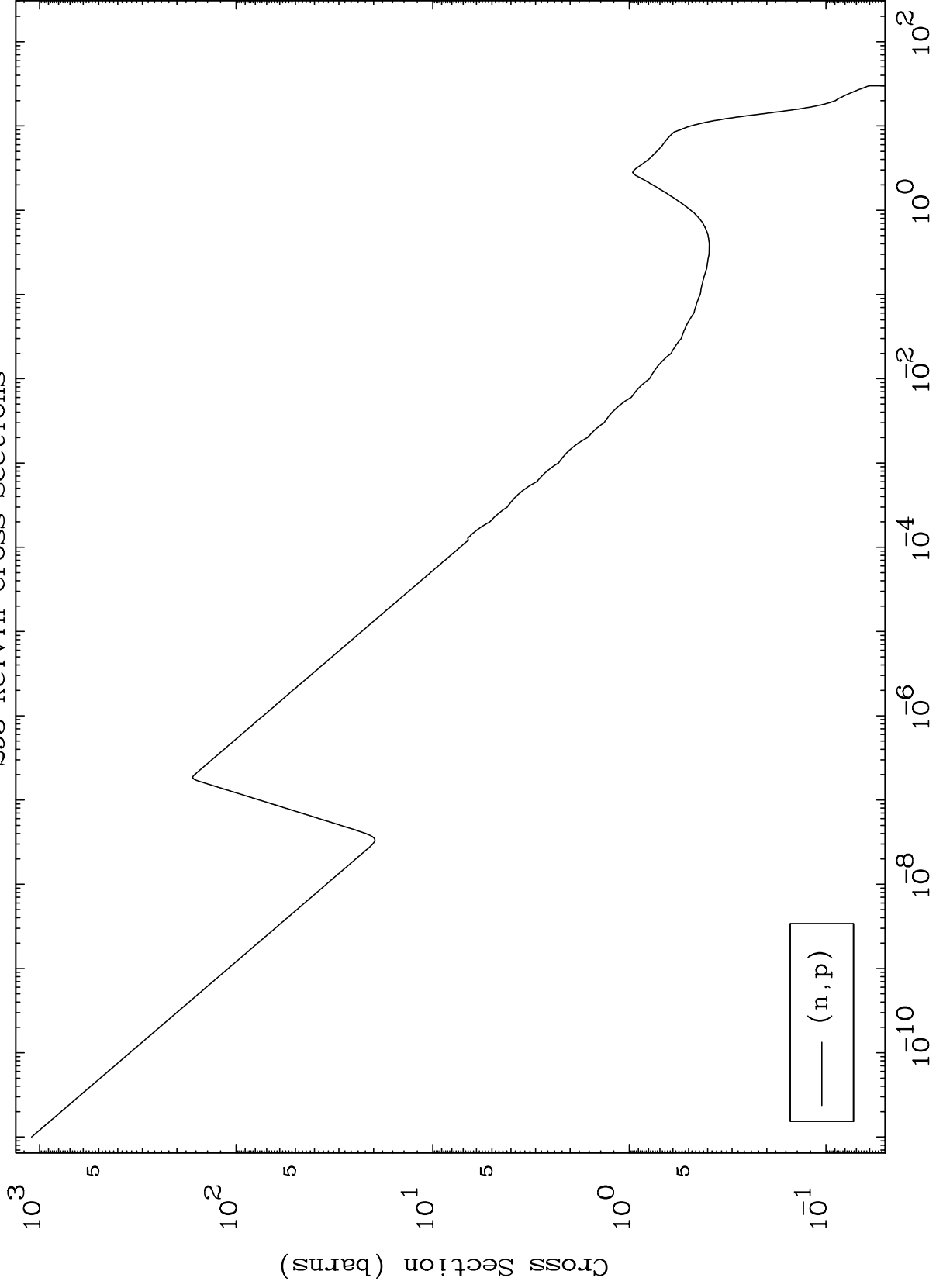


53-I -118m

MAT 5299

(n,p) Levels
293 Kelvin Cross Sections

53-I -118m

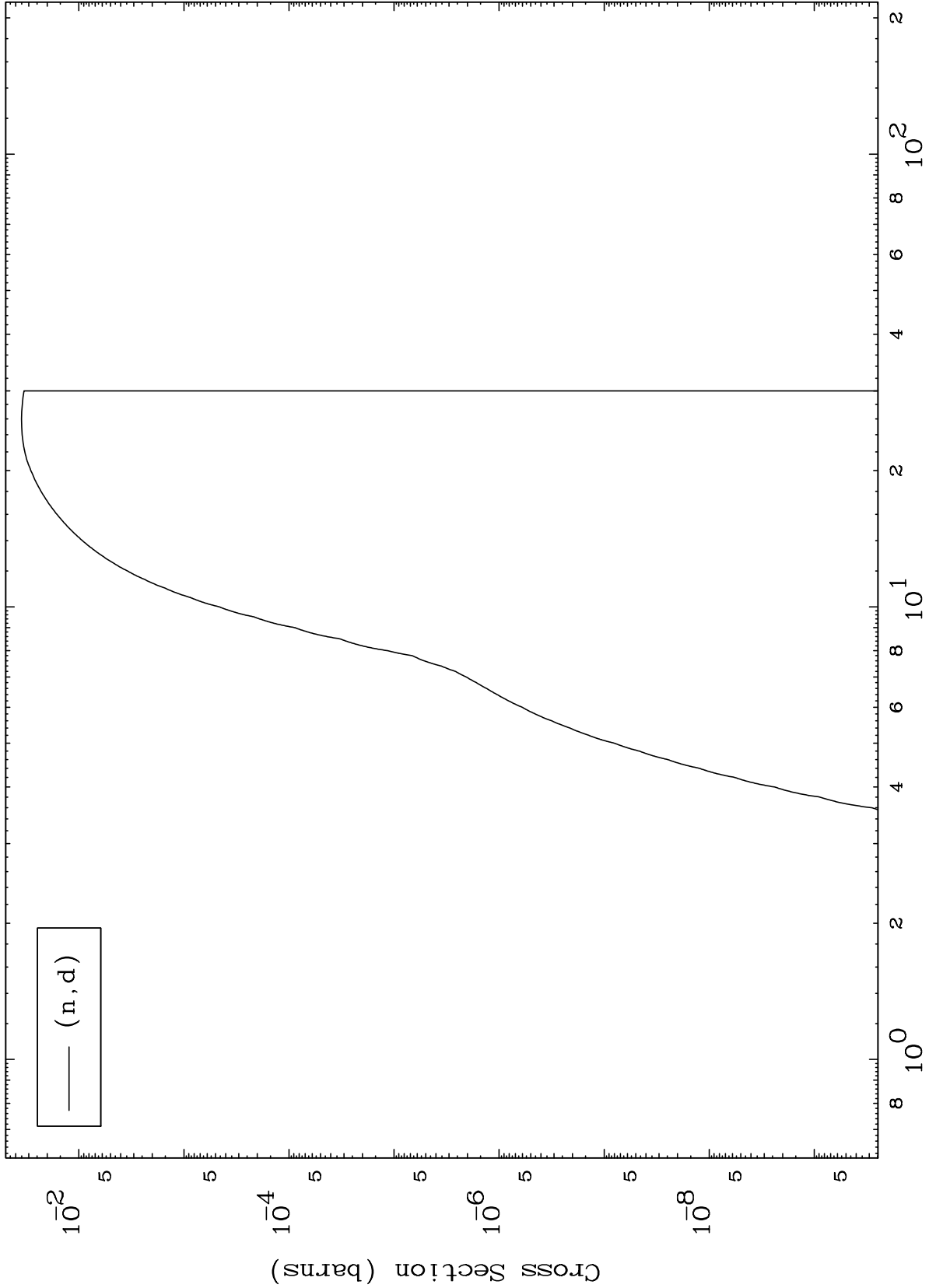


(n,p)

MAT 5299

(n,d) Levels
293 Kelvin Cross Sections

53-I -118m



(n,d)

12

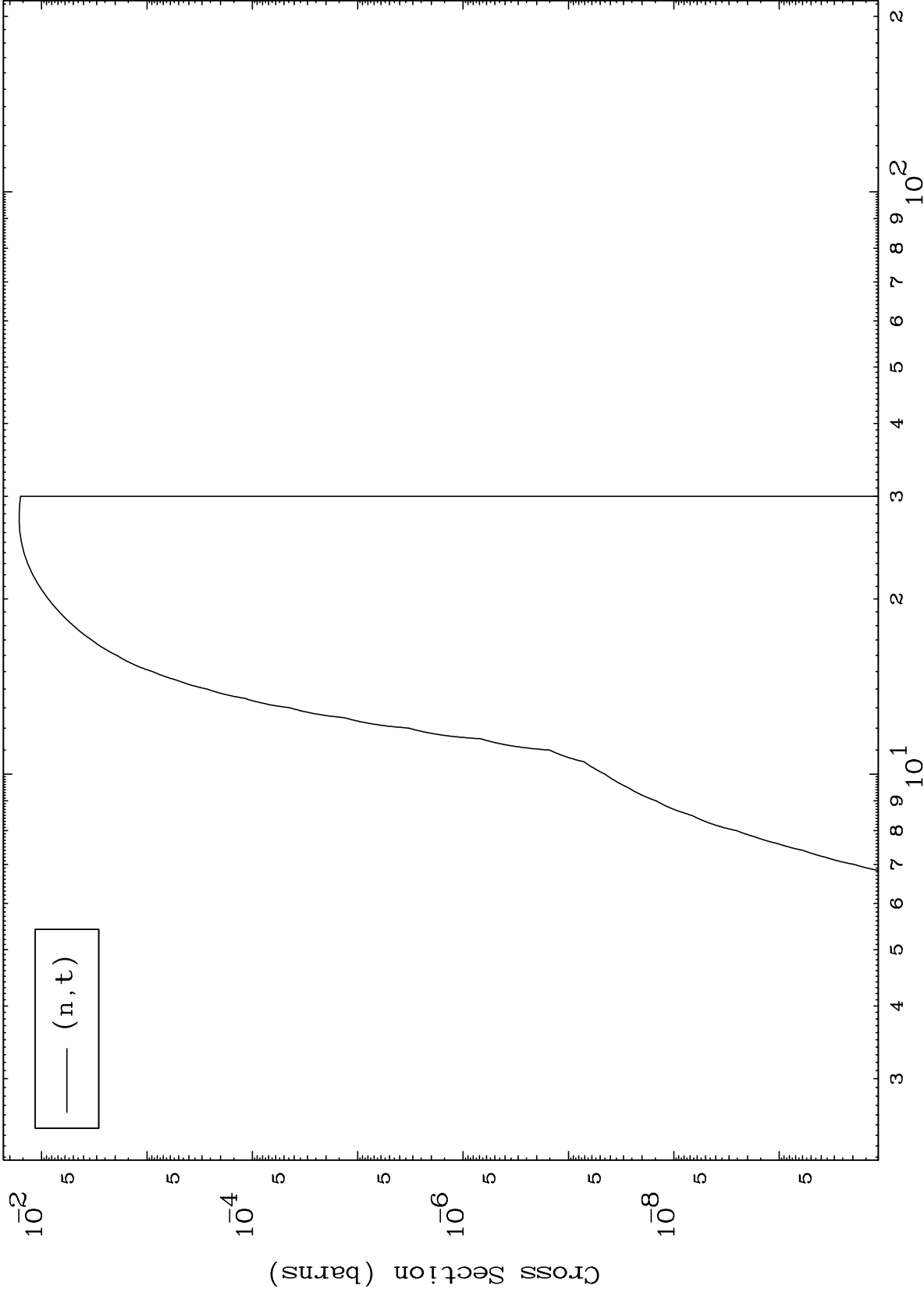
Incident Energy (MeV)

53-I -118m

MAT 5299

(n,t) Levels
293 Kelvin Cross Sections

53-I -118m



13

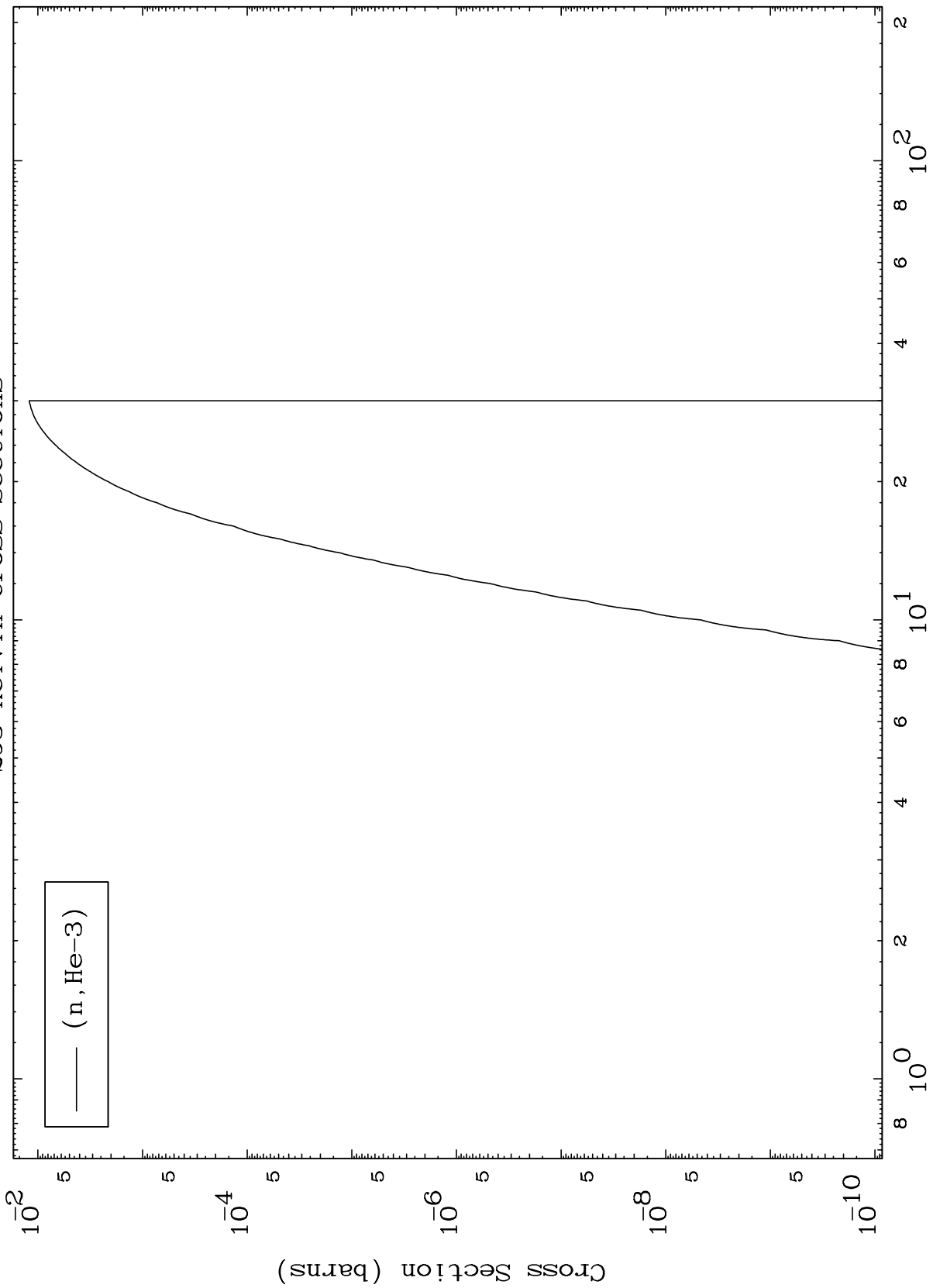
Incident Energy (MeV)

53-I -118m

MAT 5299

(n,He3) Levels
293 Kelvin Cross Sections

53-I -118m



14

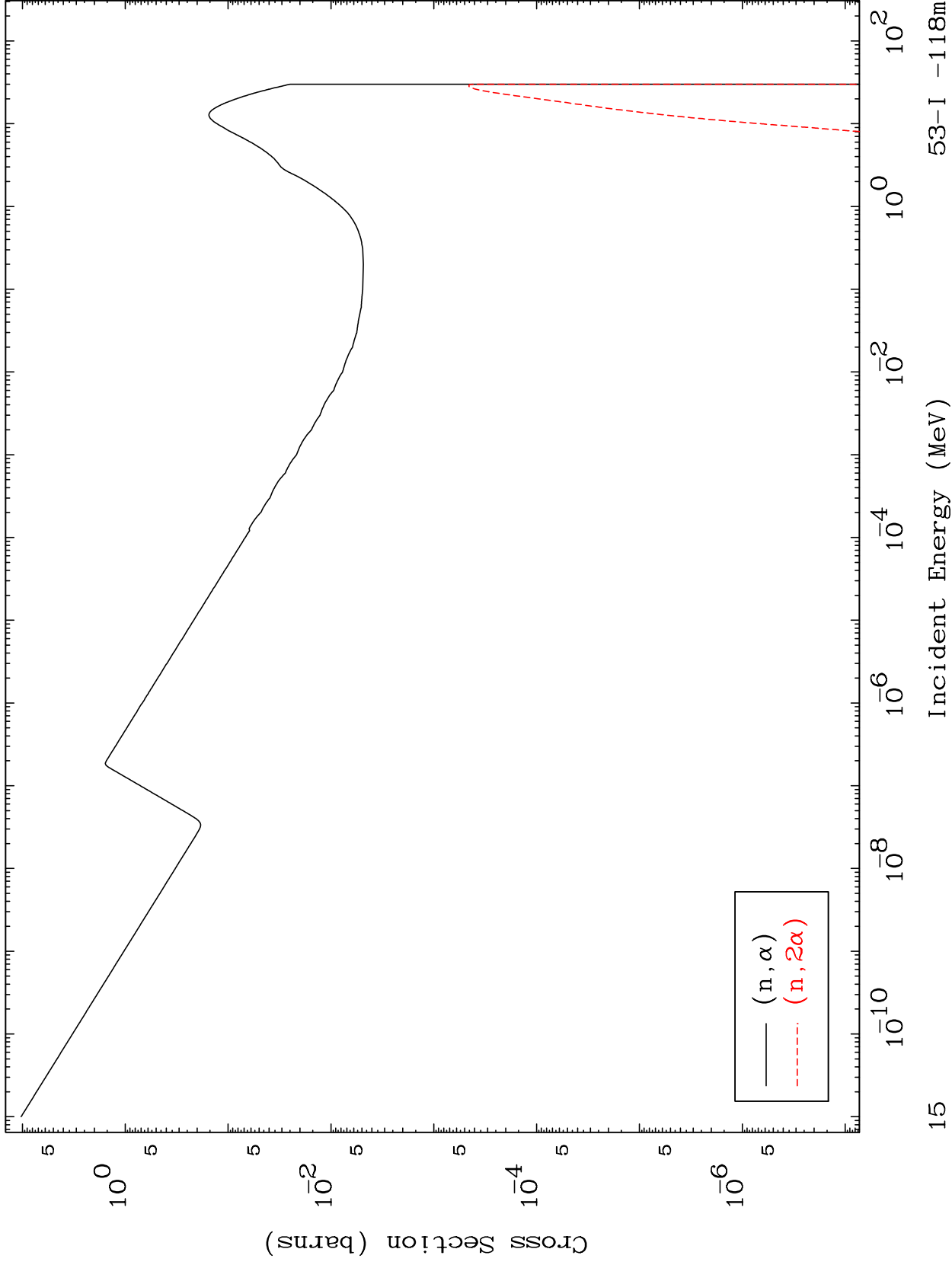
Incident Energy (MeV)

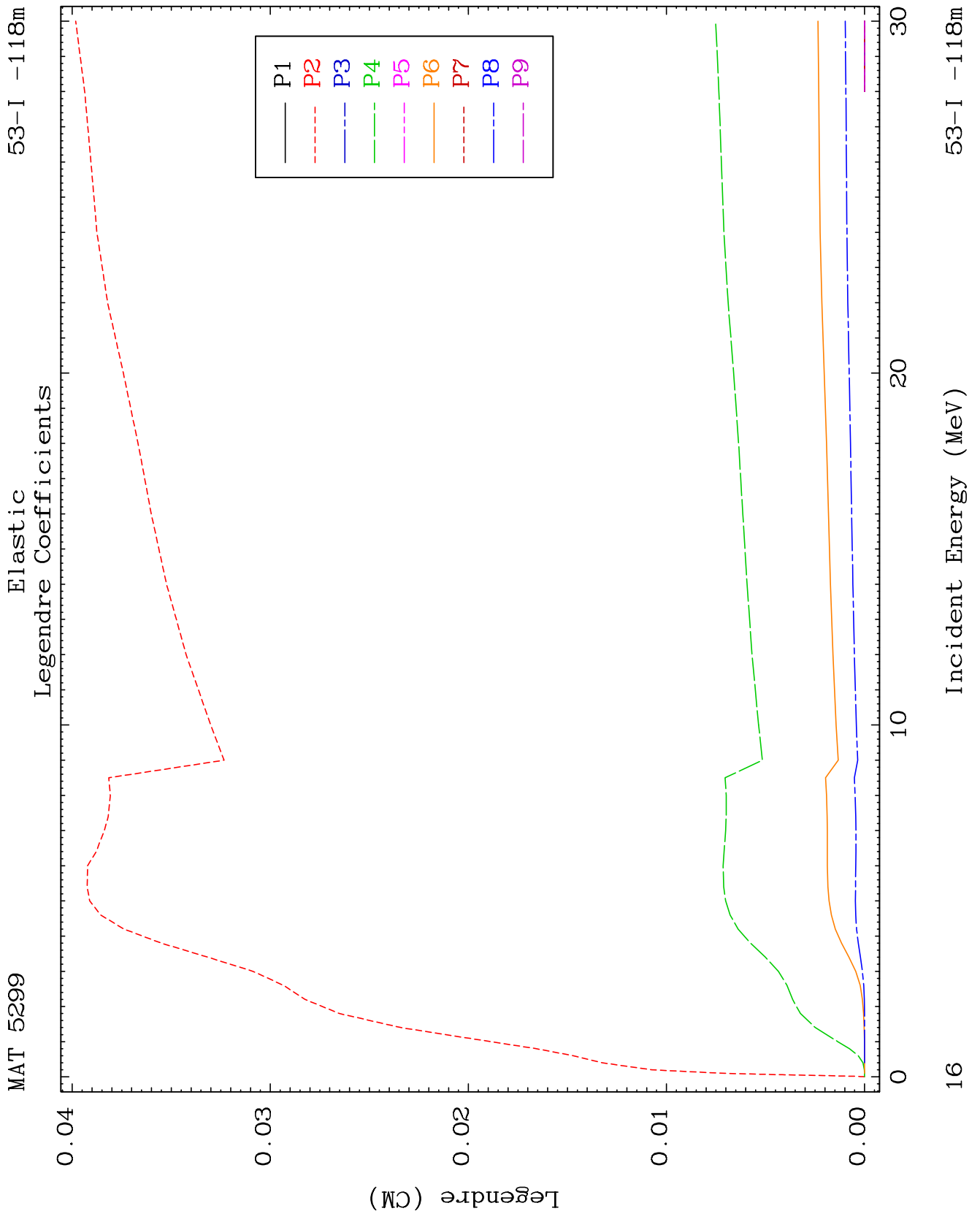
53-I -118m

MAT 5299

(n,α) Levels
293 Kelvin Cross Sections

53-I -118m

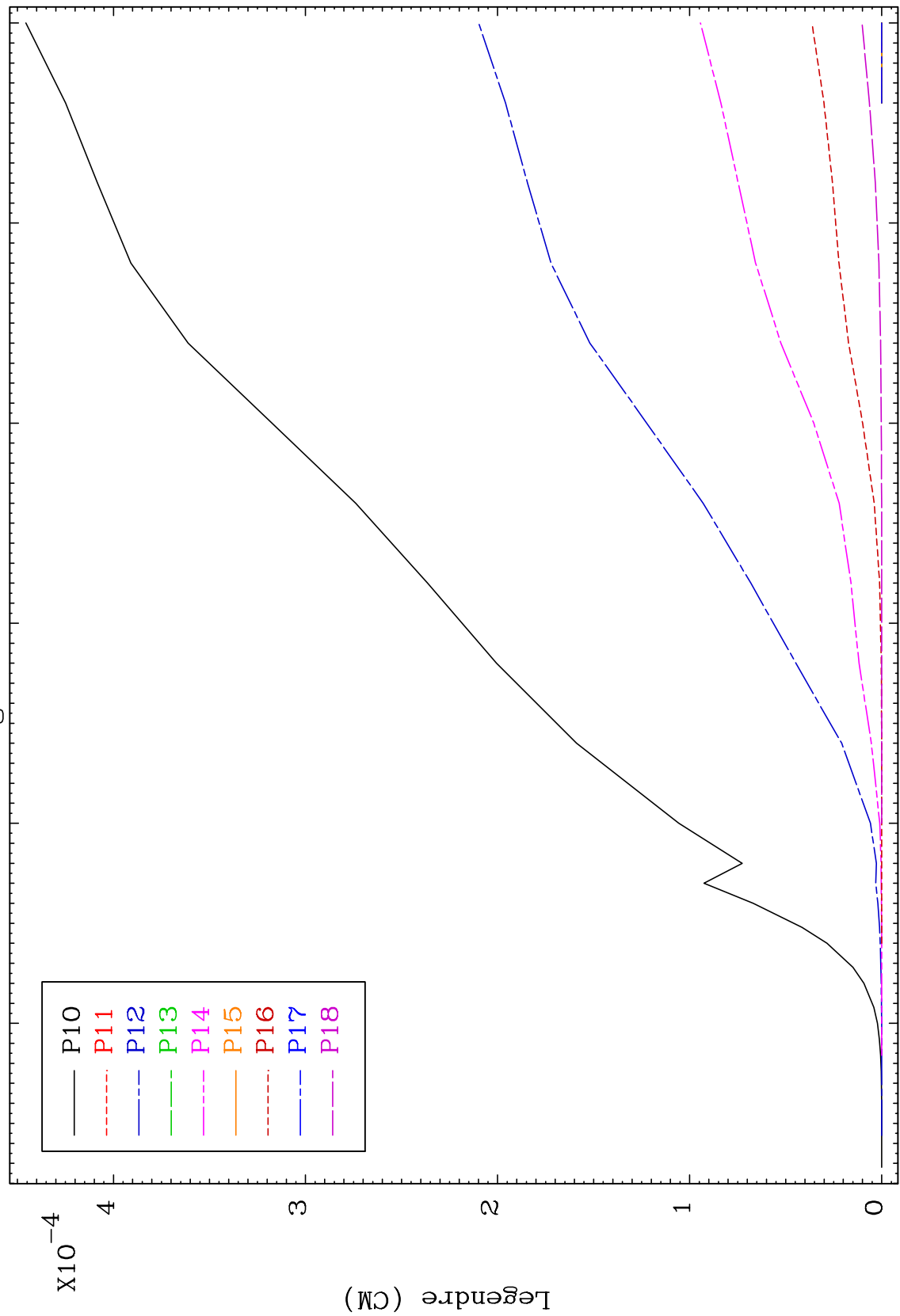




MAT 5299

Elastic Legendre Coefficients

53-I -118m



17

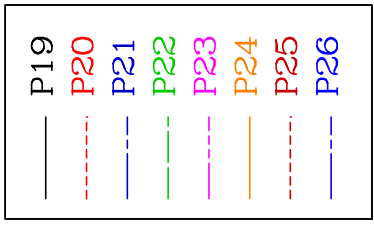
Incident Energy (MeV)

53-I -118m

MAT 5299

Elastic Legendre Coefficients

53-I -118m



$\times 10^{-7}$

Legendre (CM)

5 4 3 2 1 0

15

20

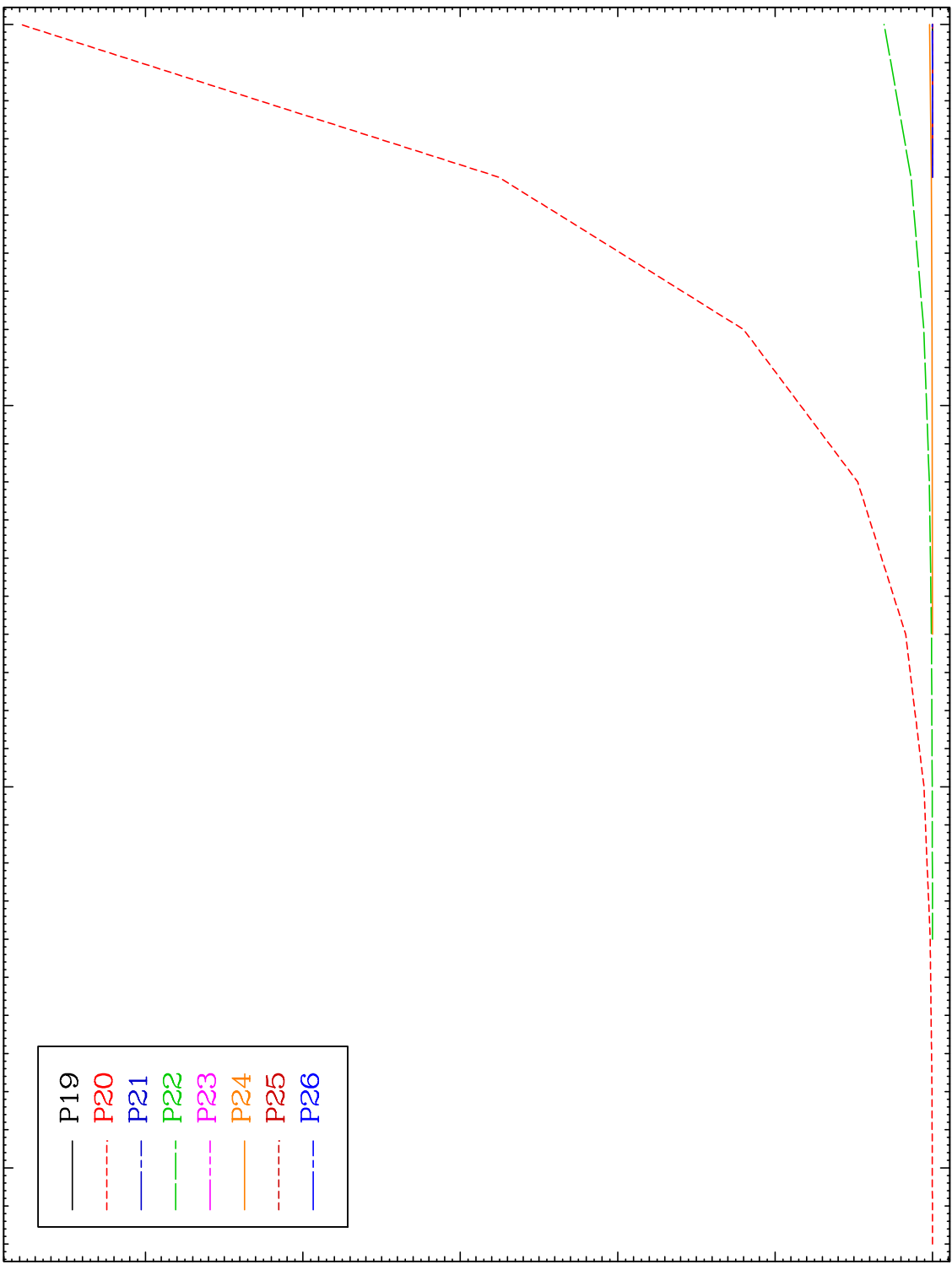
25

30

18

Incident Energy (MeV)

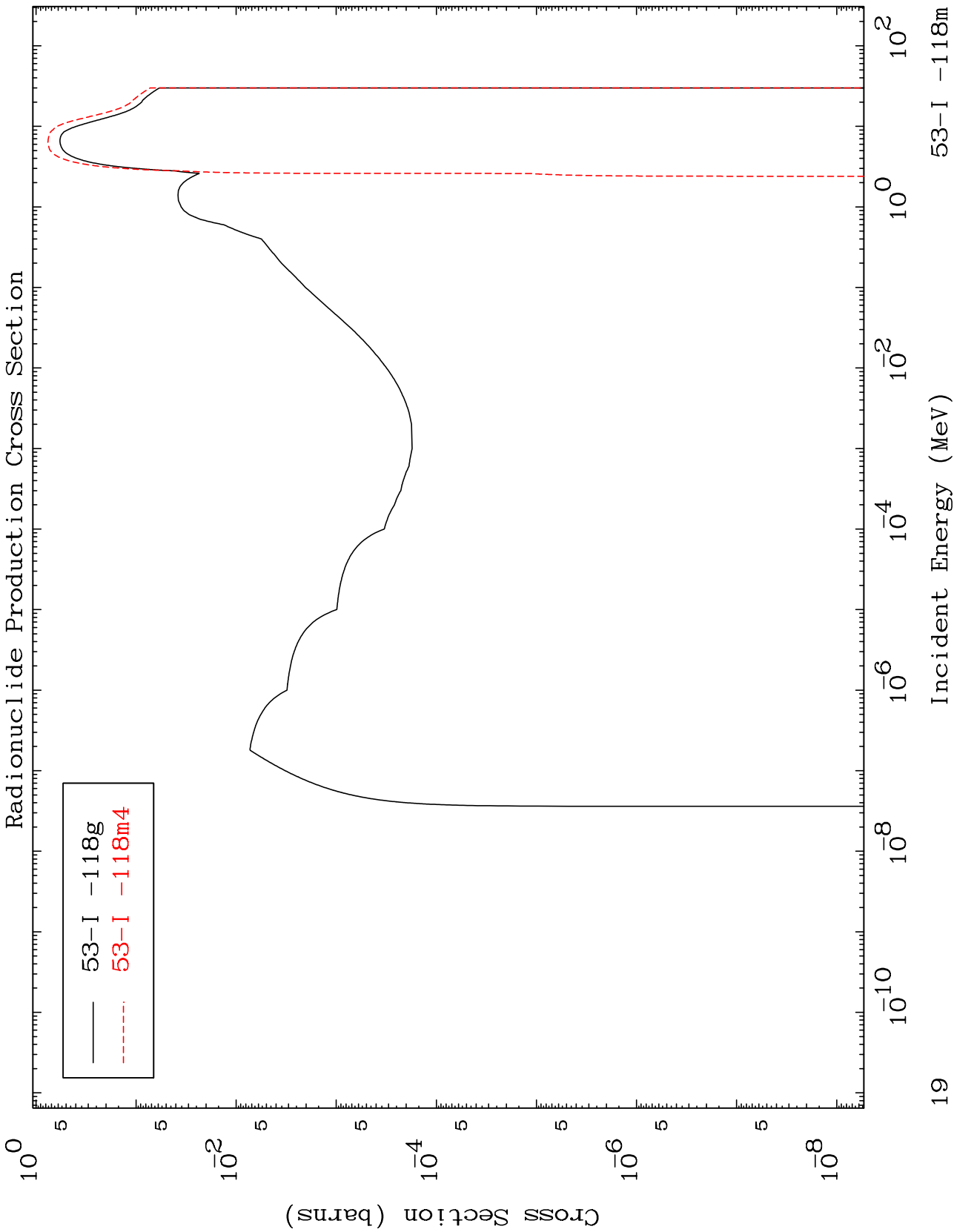
53-I -118m



MAT 5299

53-I -118m

Inelastic
Radionuclide Production Cross Section

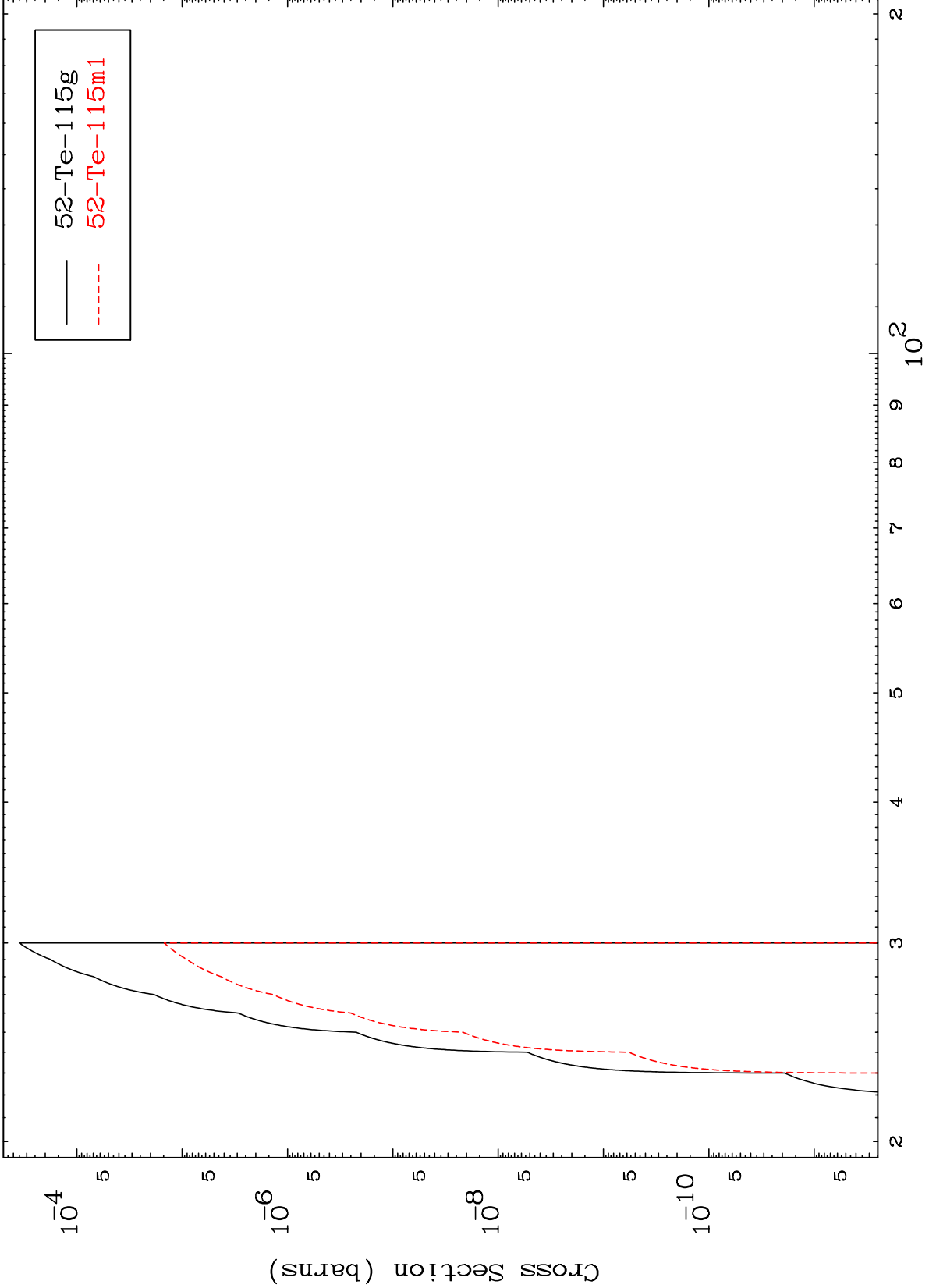


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(n,2n) d

53-I -118m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

10^2

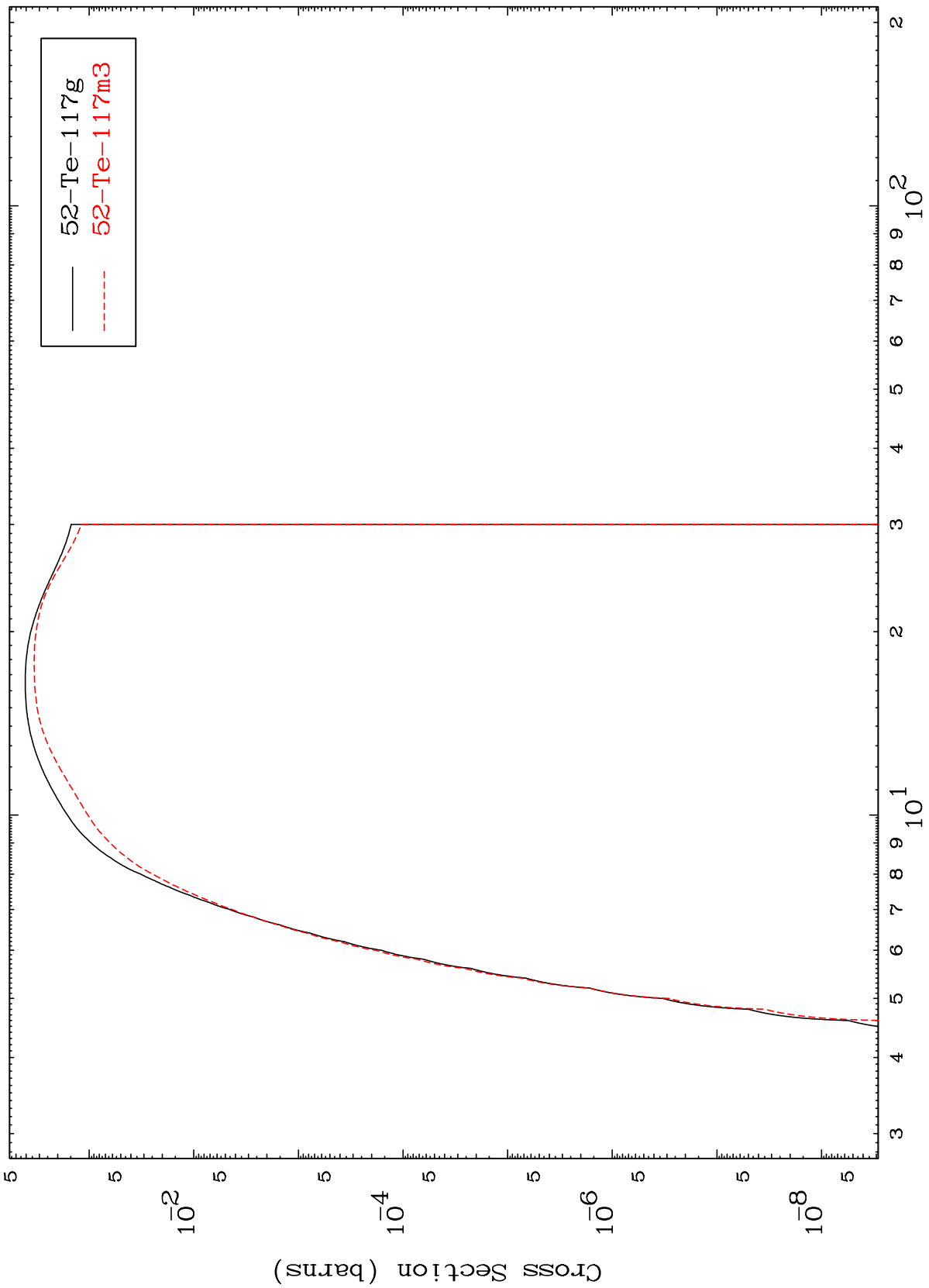
53-I -118m

MAT 5299

(n,n') p

53-I -118m

Radionuclide Production Cross Section

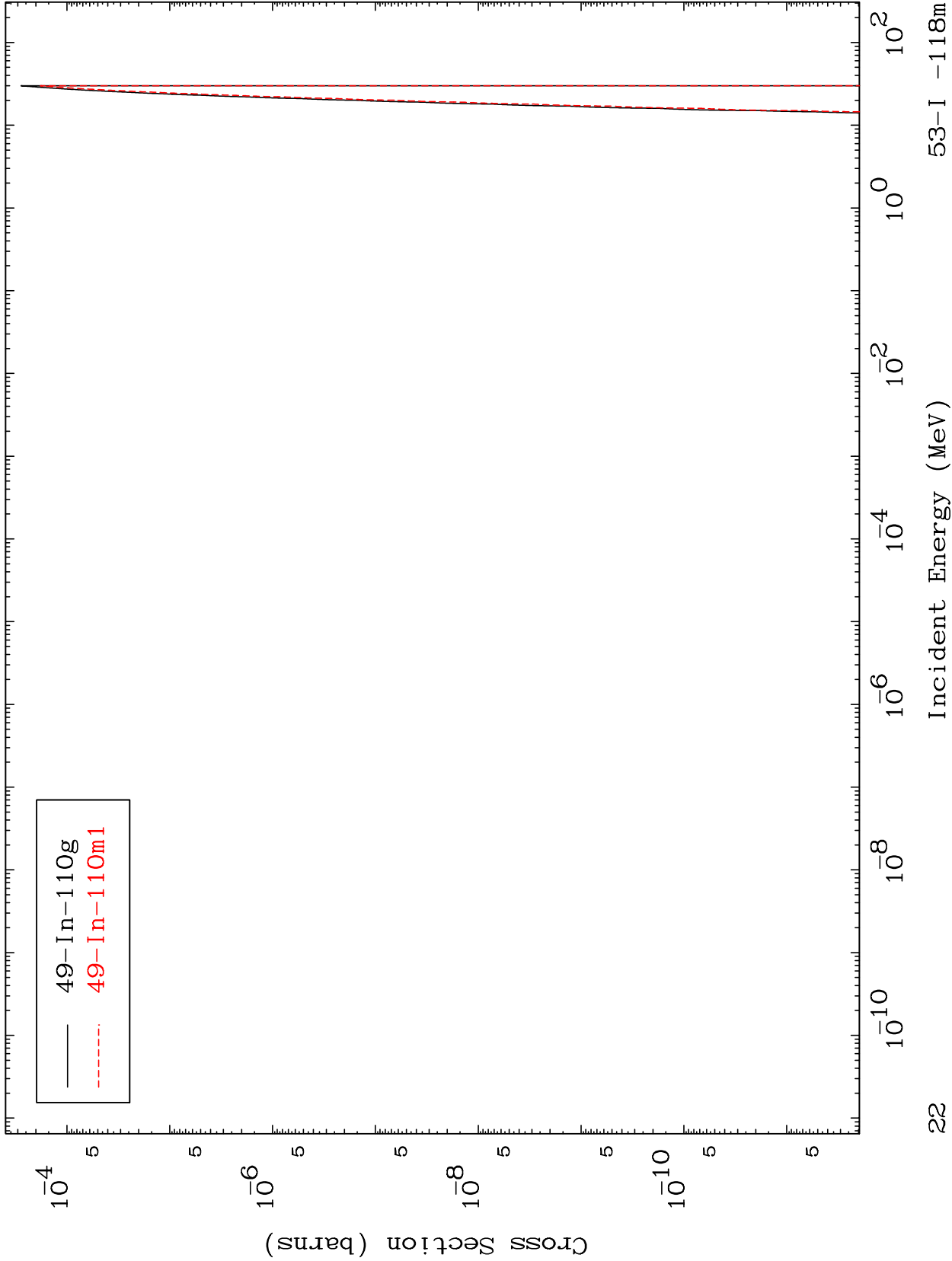


MAT 5299

(n,n') 2α

53-I -118m

Radionuclide Production Cross Section

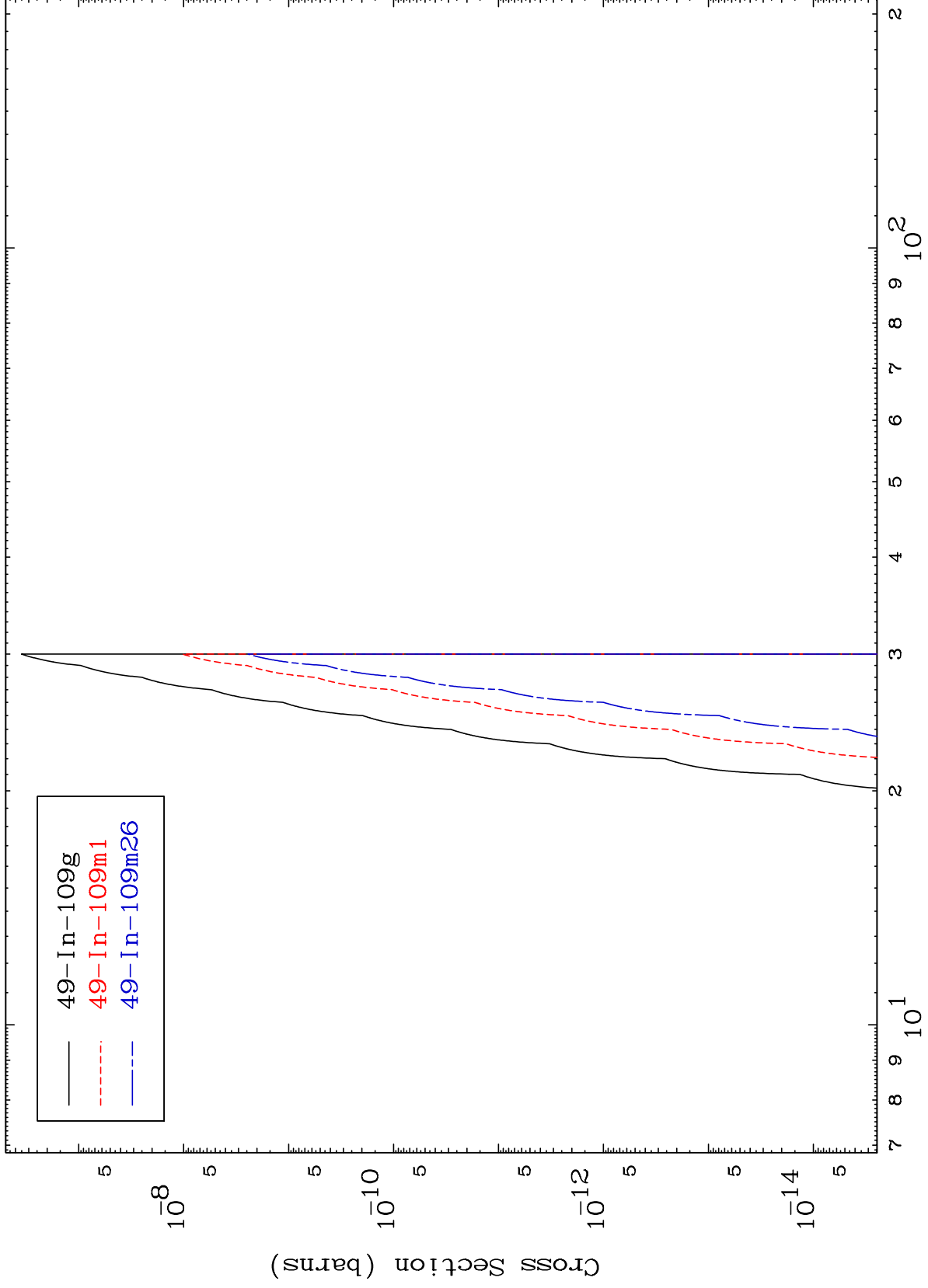


MAT 5299

(n,2n) 2α

53-I -118m

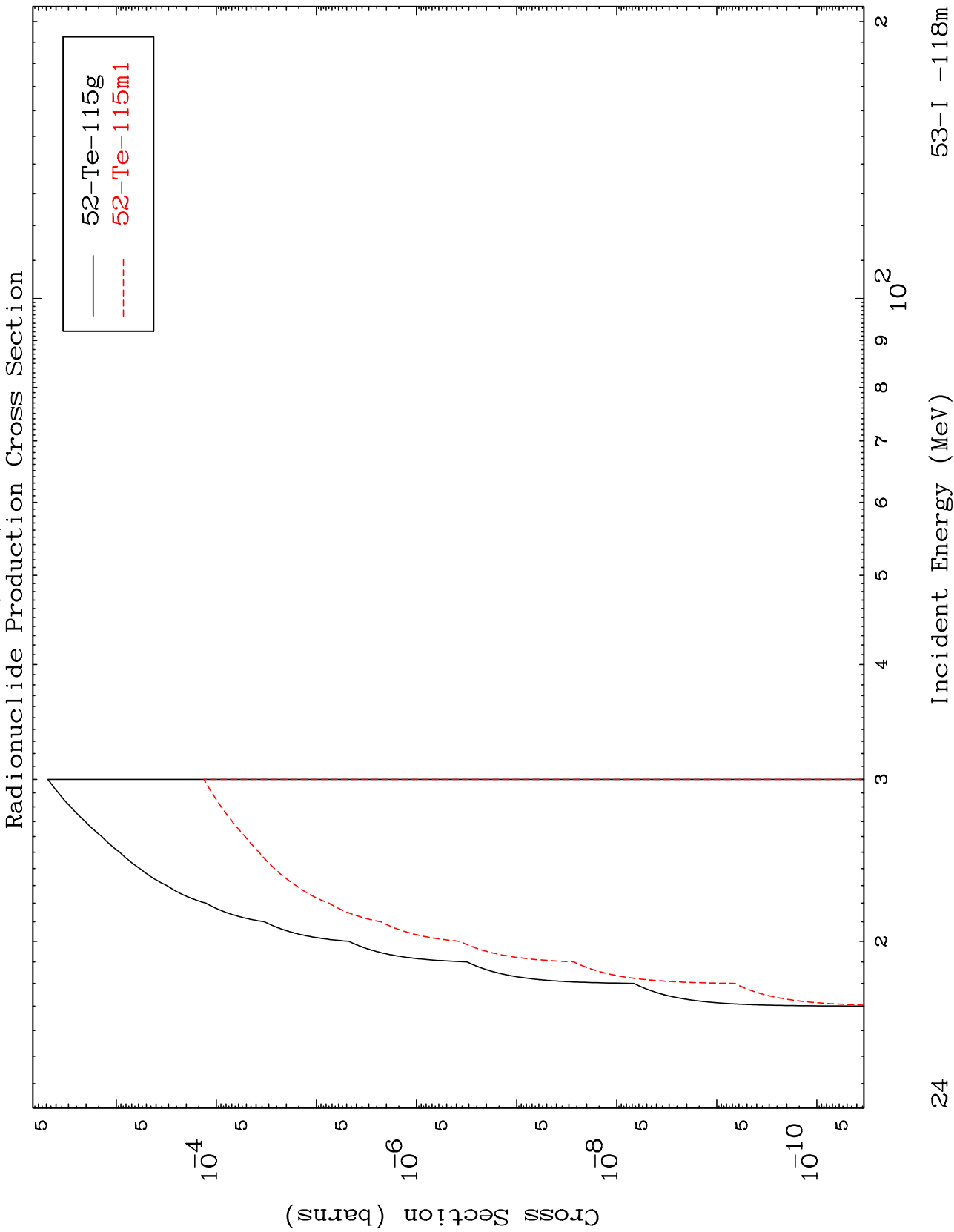
Radionuclide Production Cross Section



23

Incident Energy (MeV)

53-I -118m

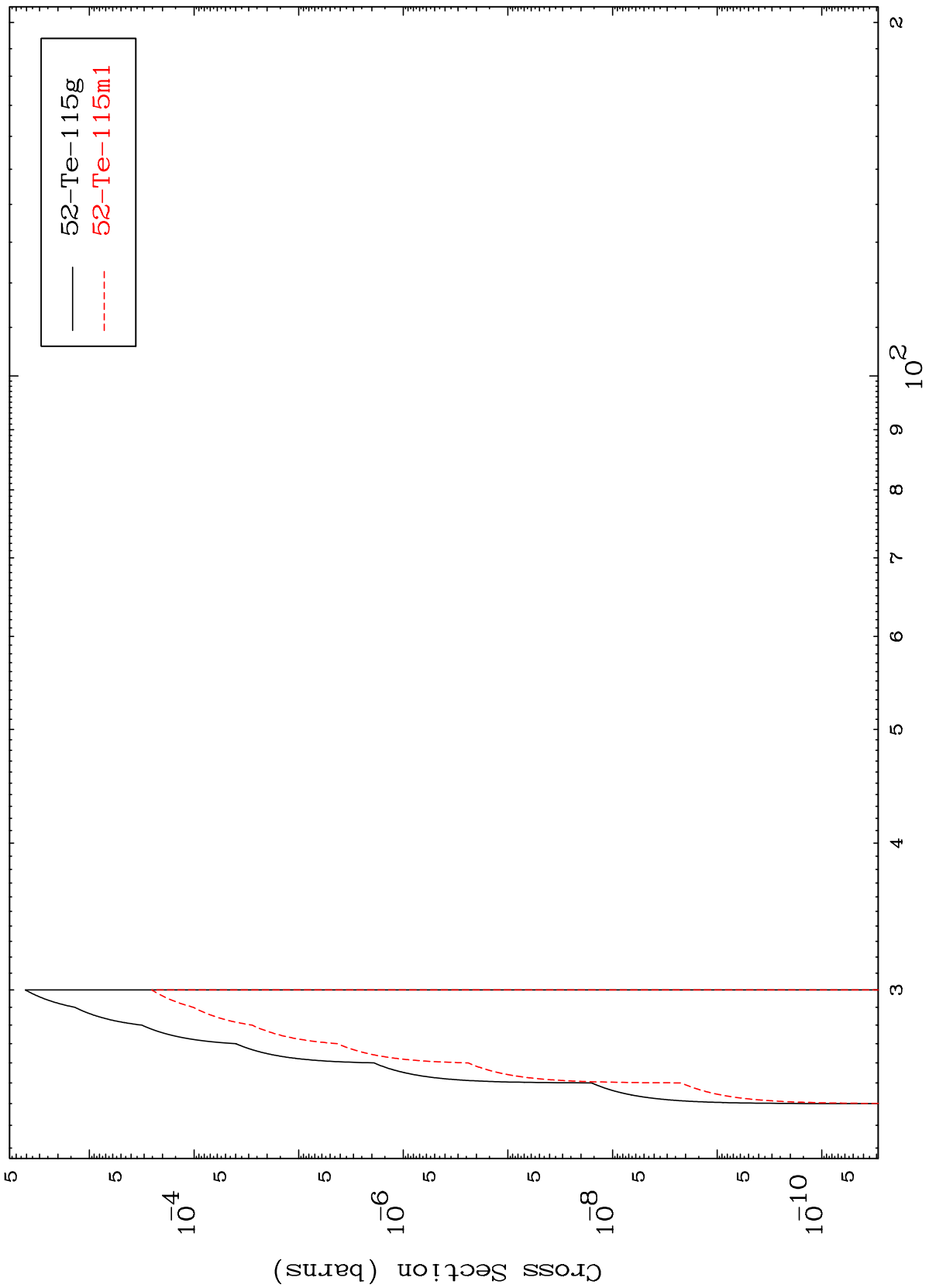


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(n,3n) p

53-I -118m

Radionuclide Production Cross Section



52-Te-115g
52-Te-115m1

25

Incident Energy (MeV)

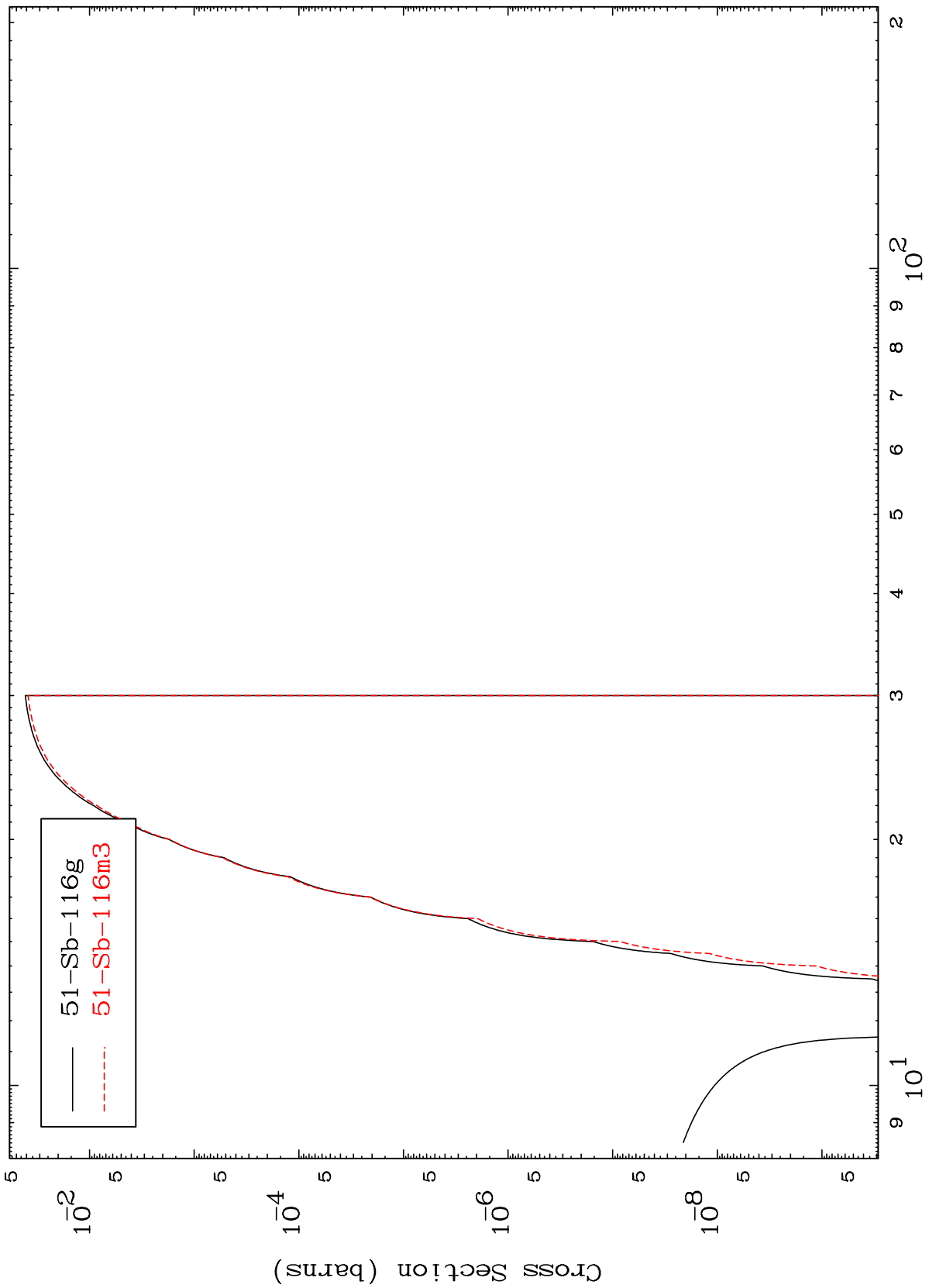
53-I -118m

MAT 5299

(n,2n) p

53-I -118m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

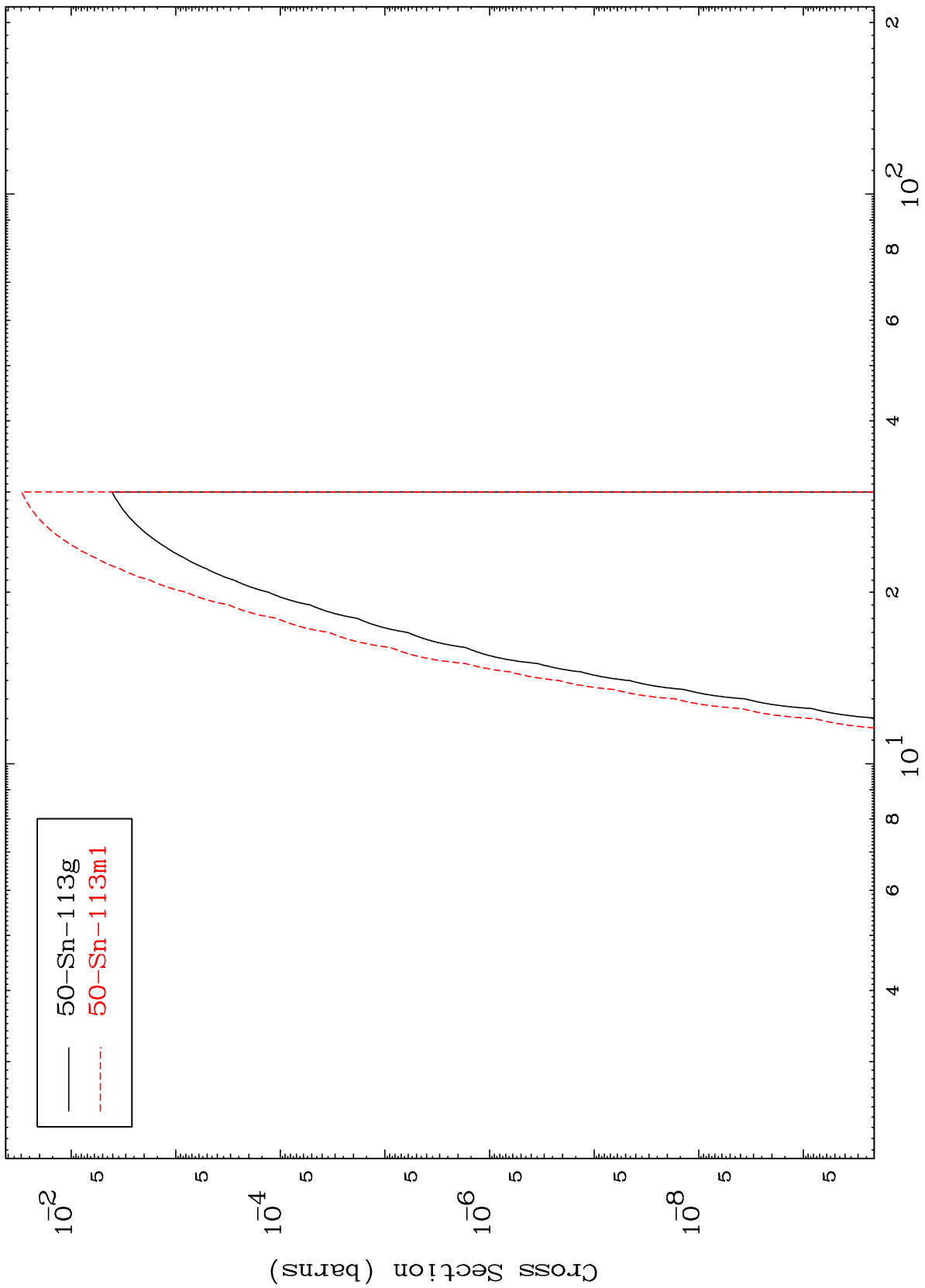
53-I -118m

MAT 5299

(n,n') p α

53-I -118m

Radionuclide Production Cross Section

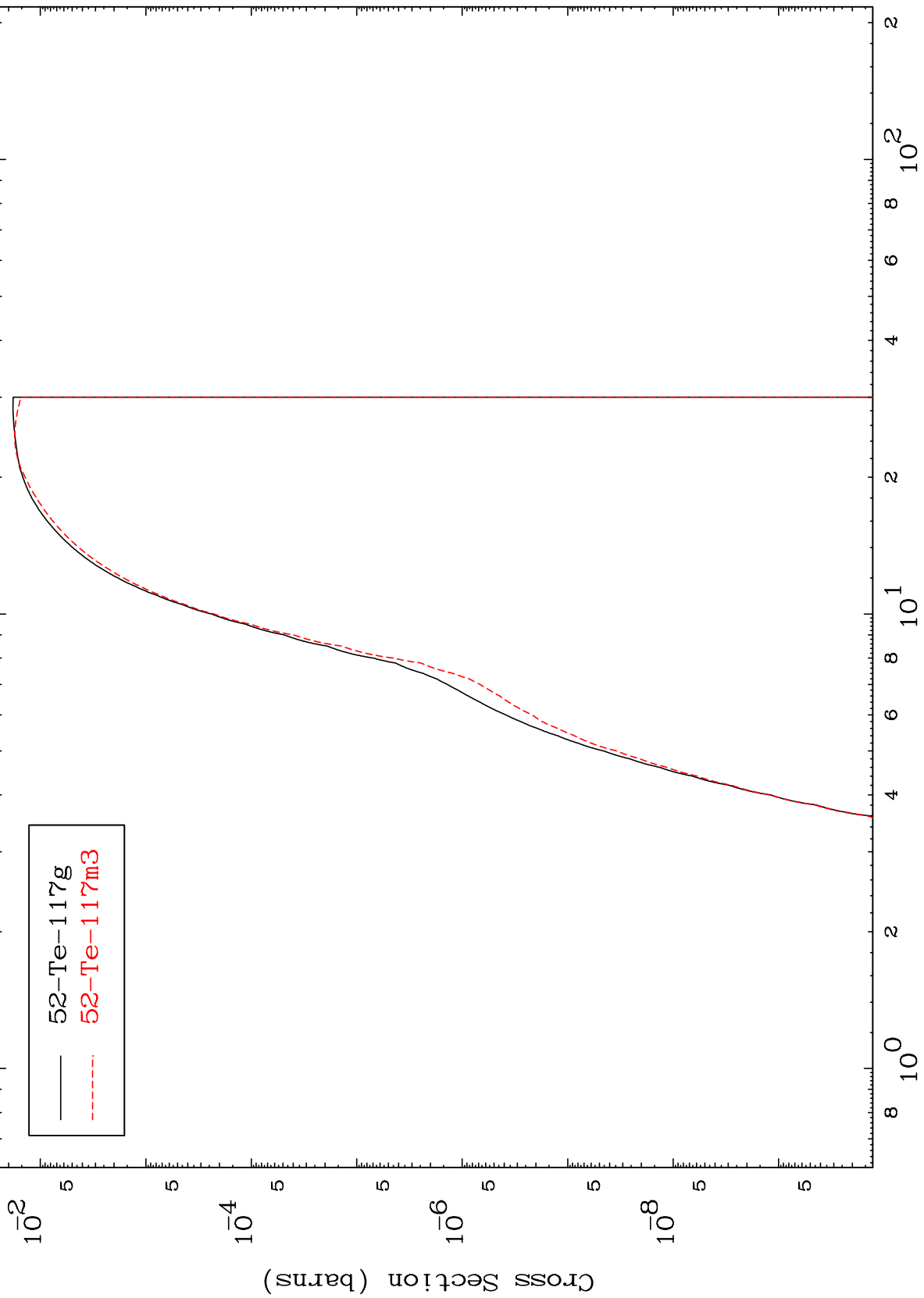


MAT 5299

(n,d)

53-I -118m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

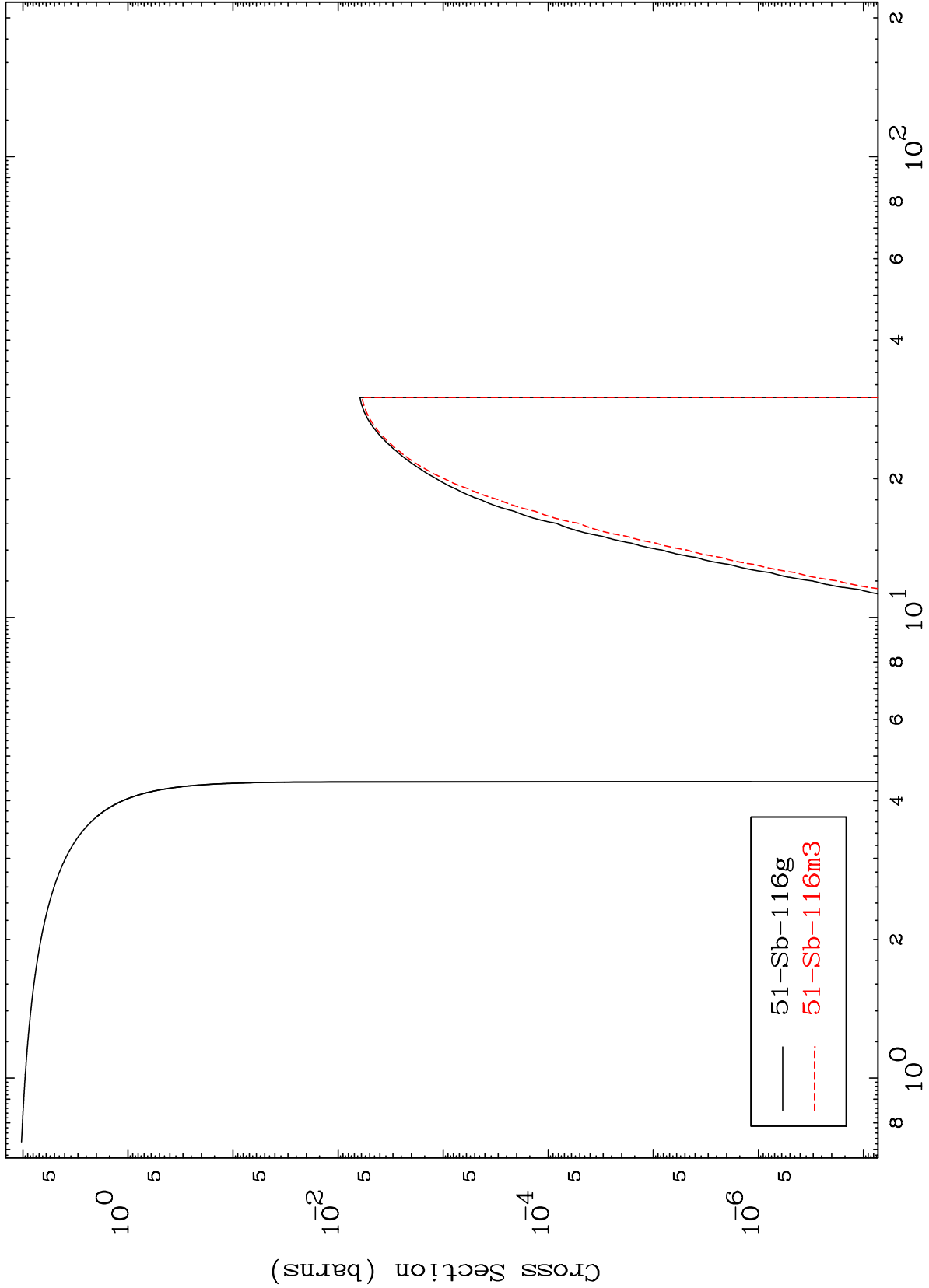
53-I -118m

MAT 5299

(n,He-3)

53-I -118m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

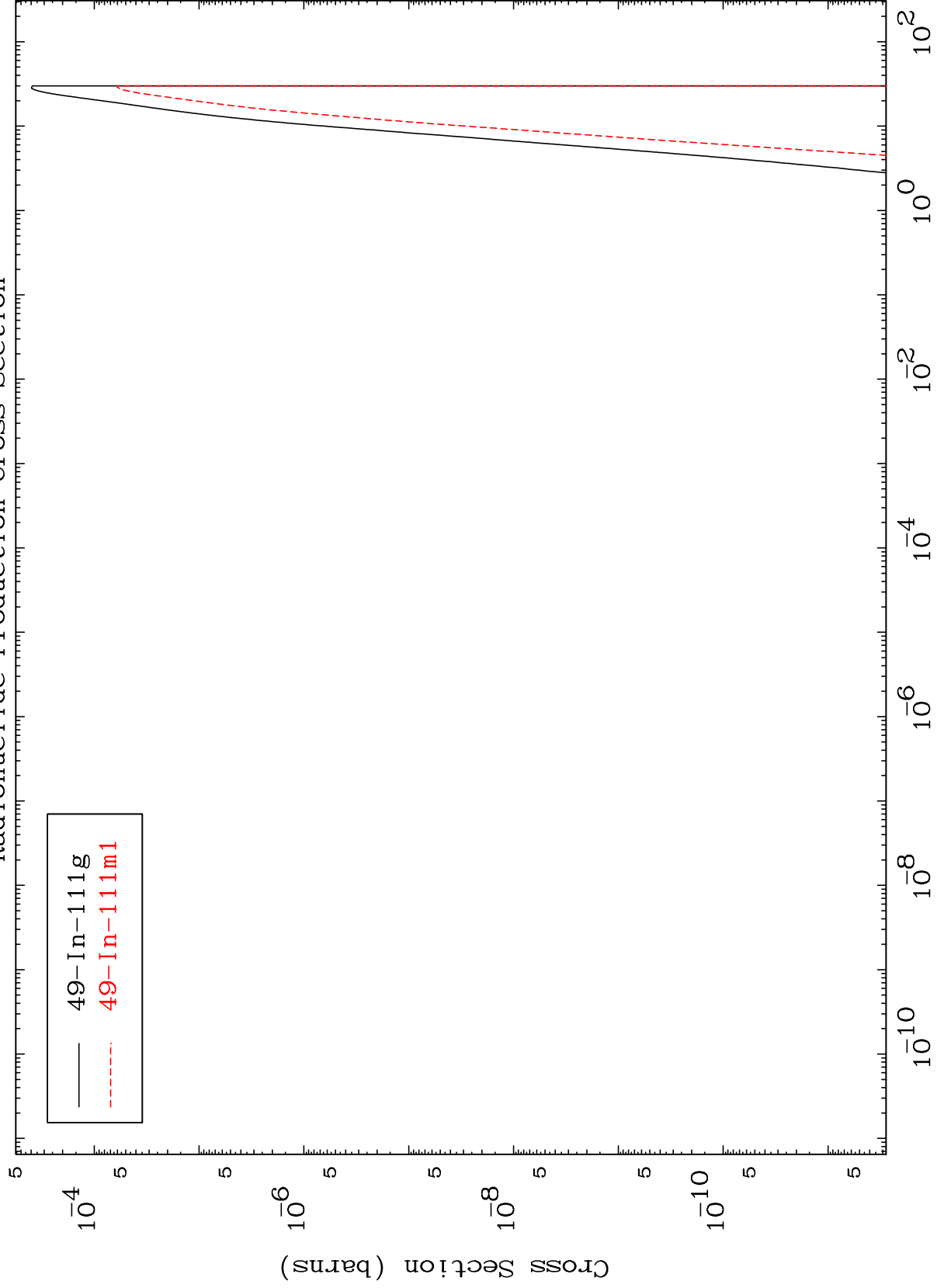
53-I -118m

MAT 5299

(n,2α)

53-I -118m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

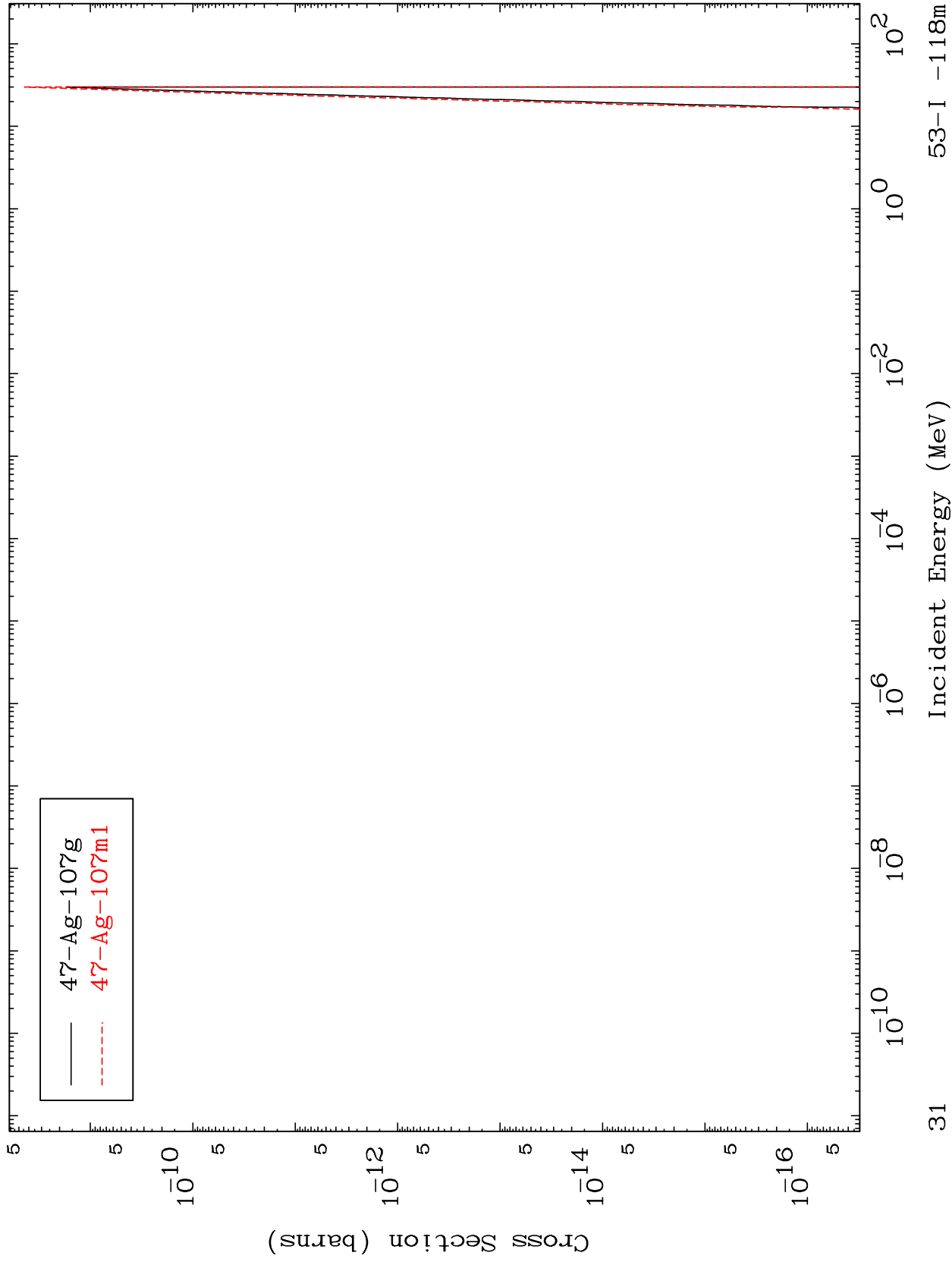
53-I -118m

MAT 5299

(n,3 α)

53-I -118m

Radionuclide Production Cross Section

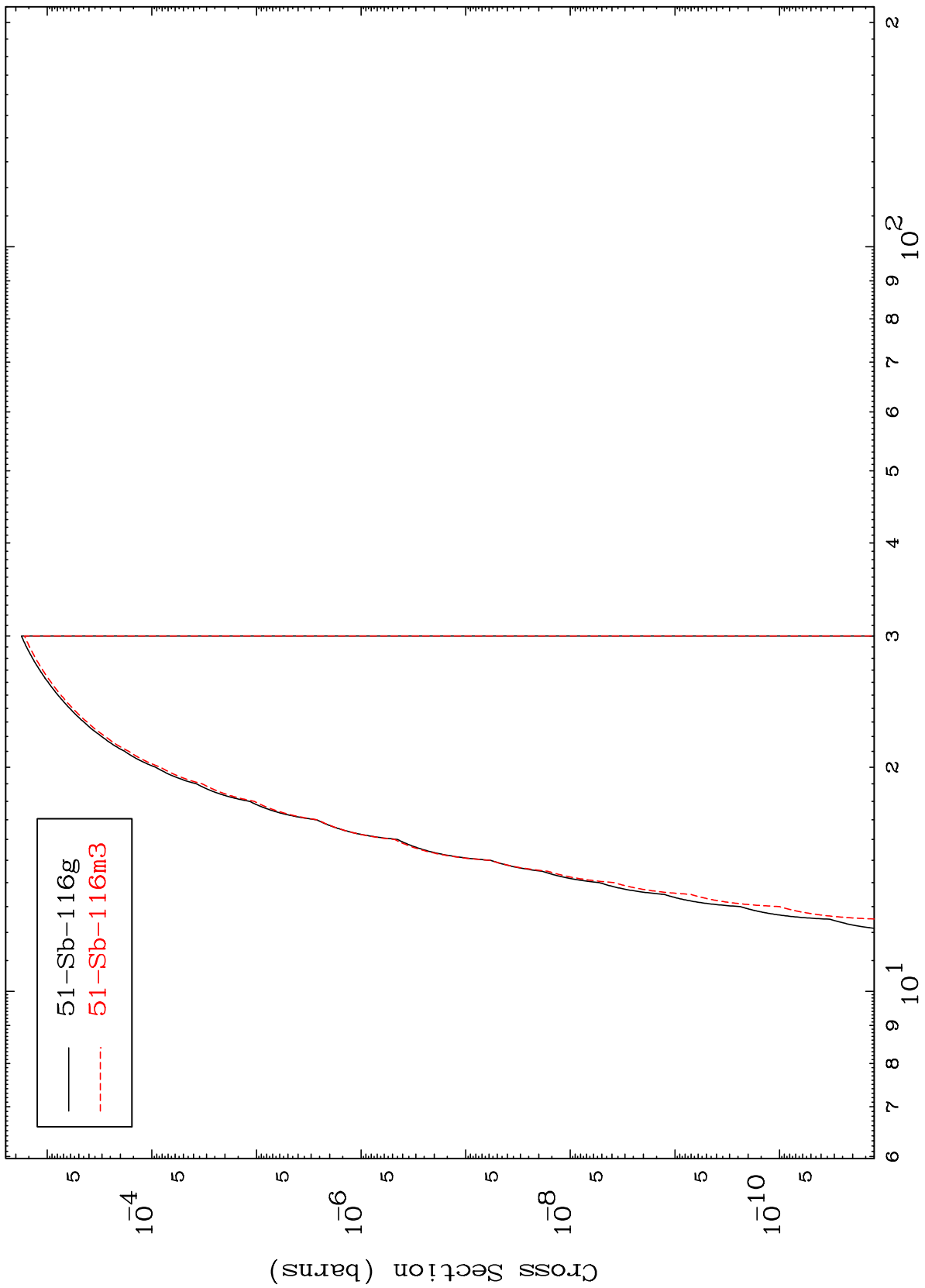


MAT 5299

(n,p) d

53-I -118m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

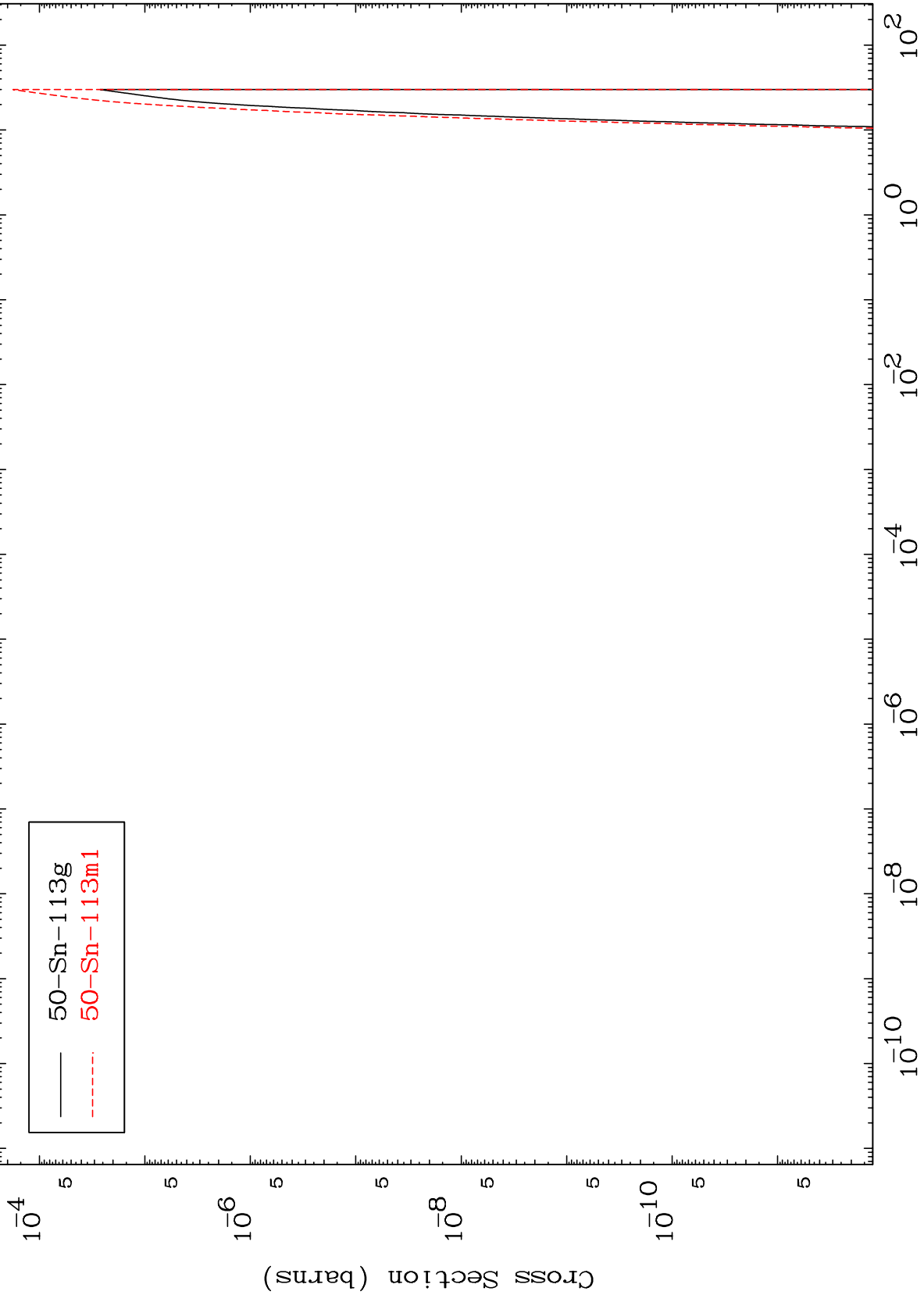
53-I -118m

MAT 5299

(n,d) α

53-I -118m

Radionuclide Production Cross Section



50-Sn-113g
50-Sn-113m1

Incident Energy (MeV)

53-I -118m