

Program EVALPLOT
(Version 2015-2)

by

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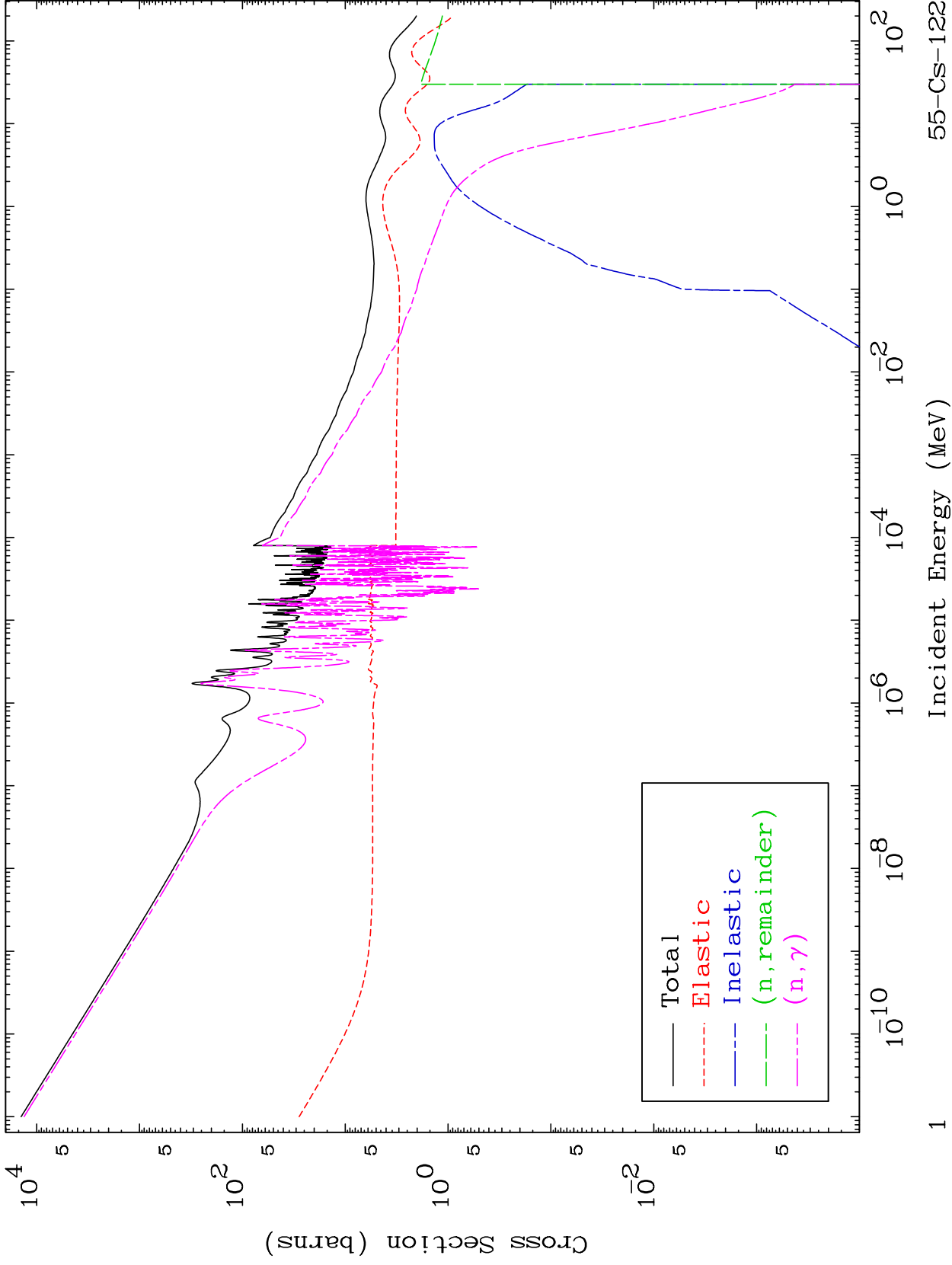
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5493

Major
293 Kelvin Cross Sections

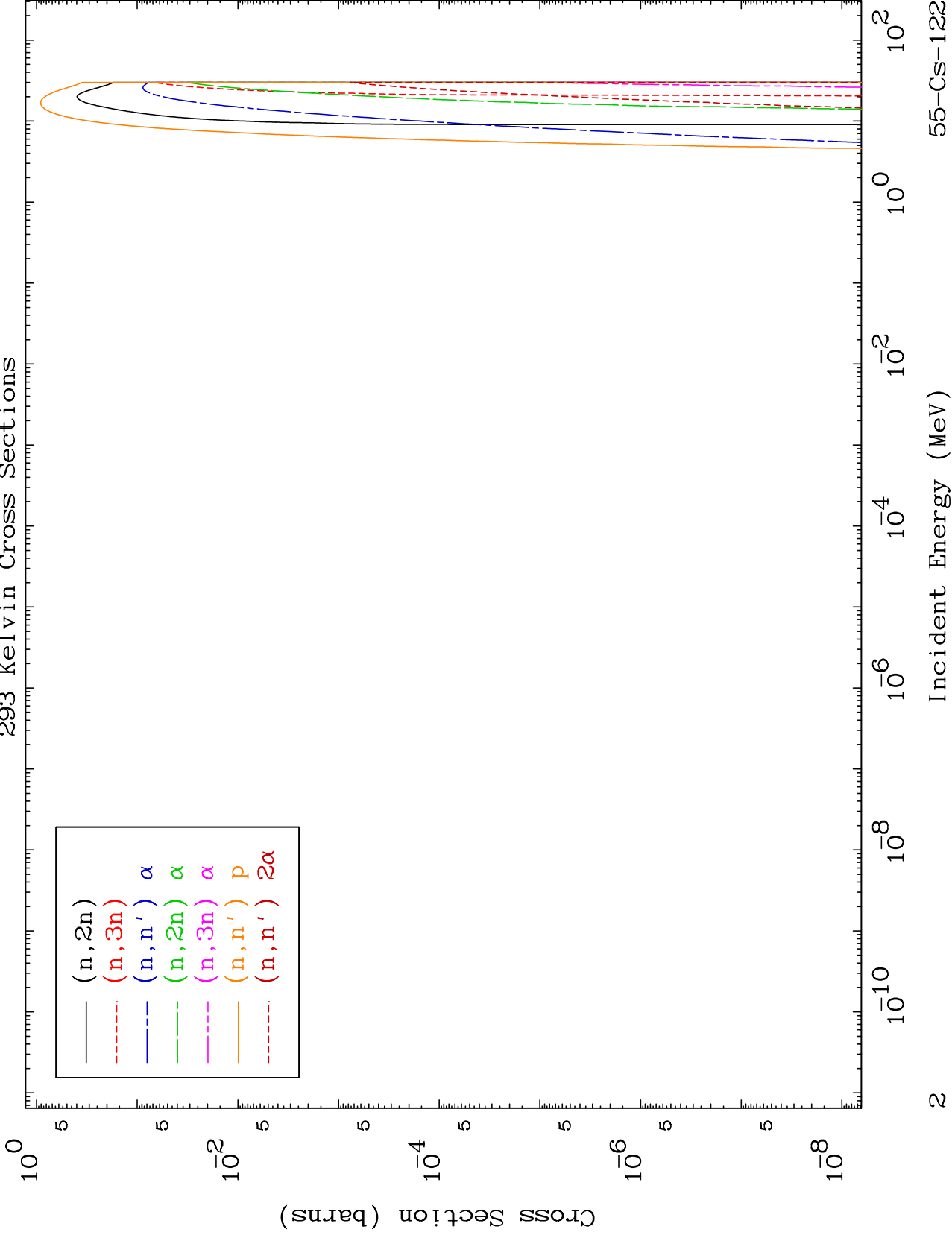
55-Cs-122

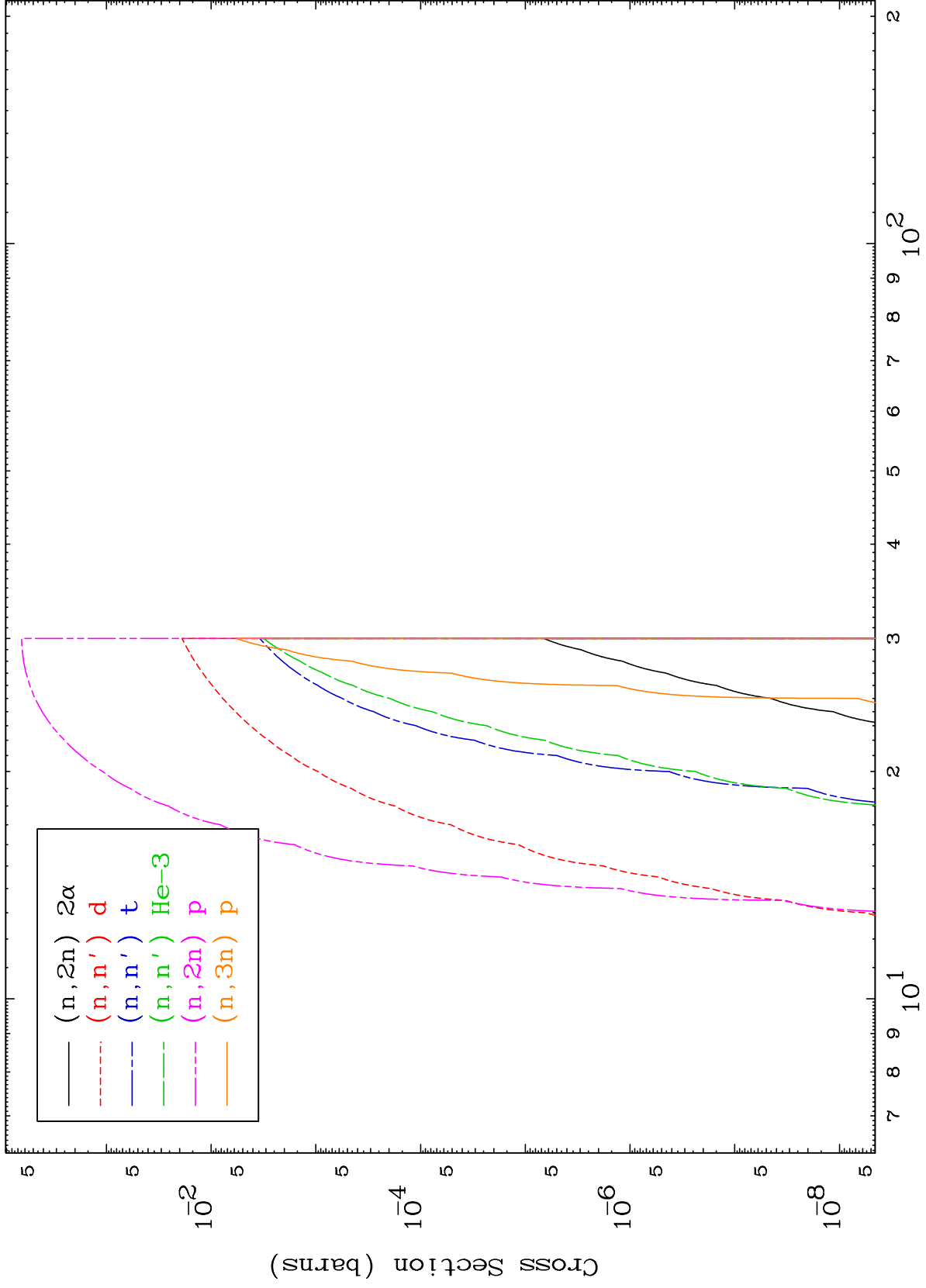


MAT 5493

Neutron Production
293 Kelvin Cross Sections

55-Cs-122

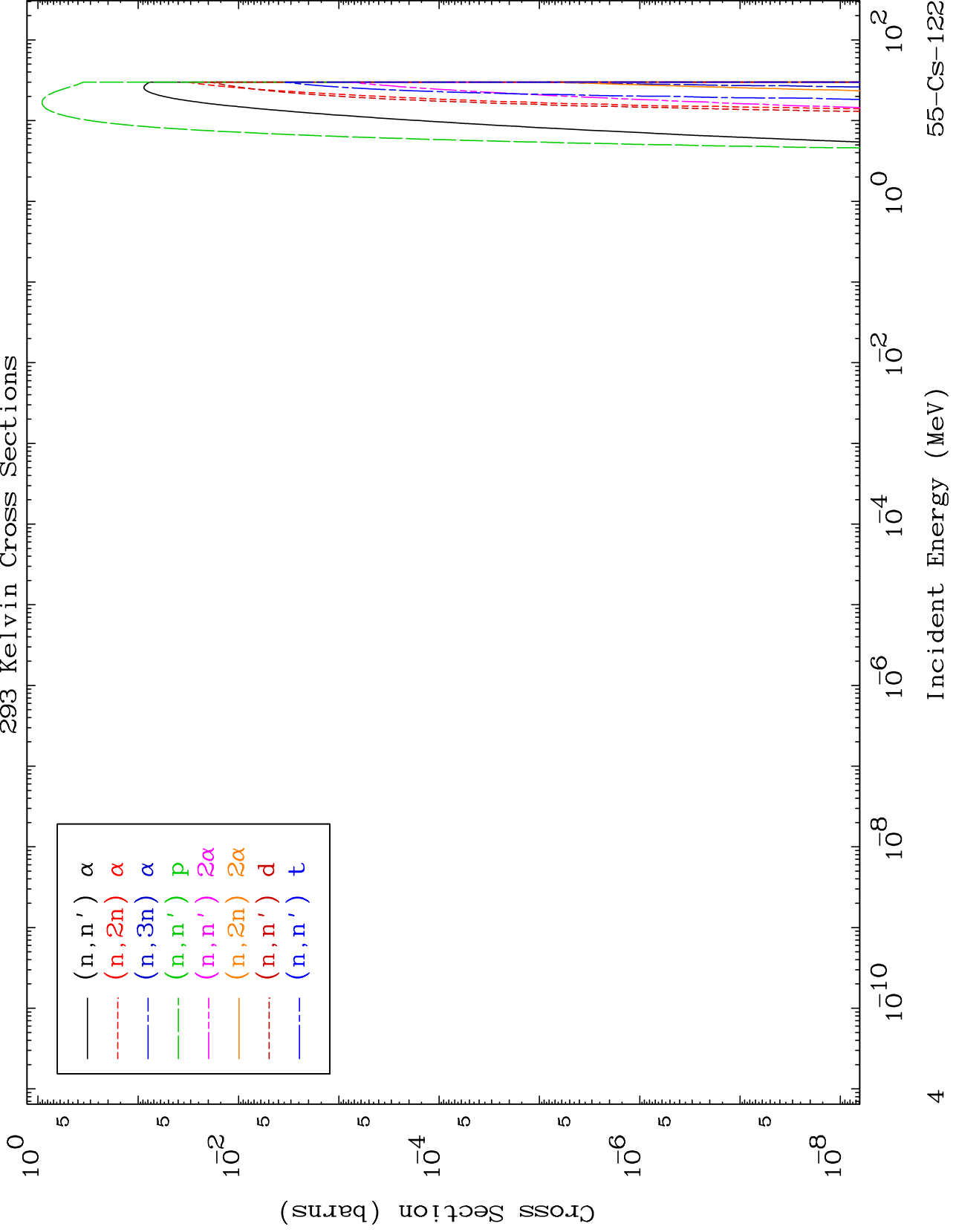


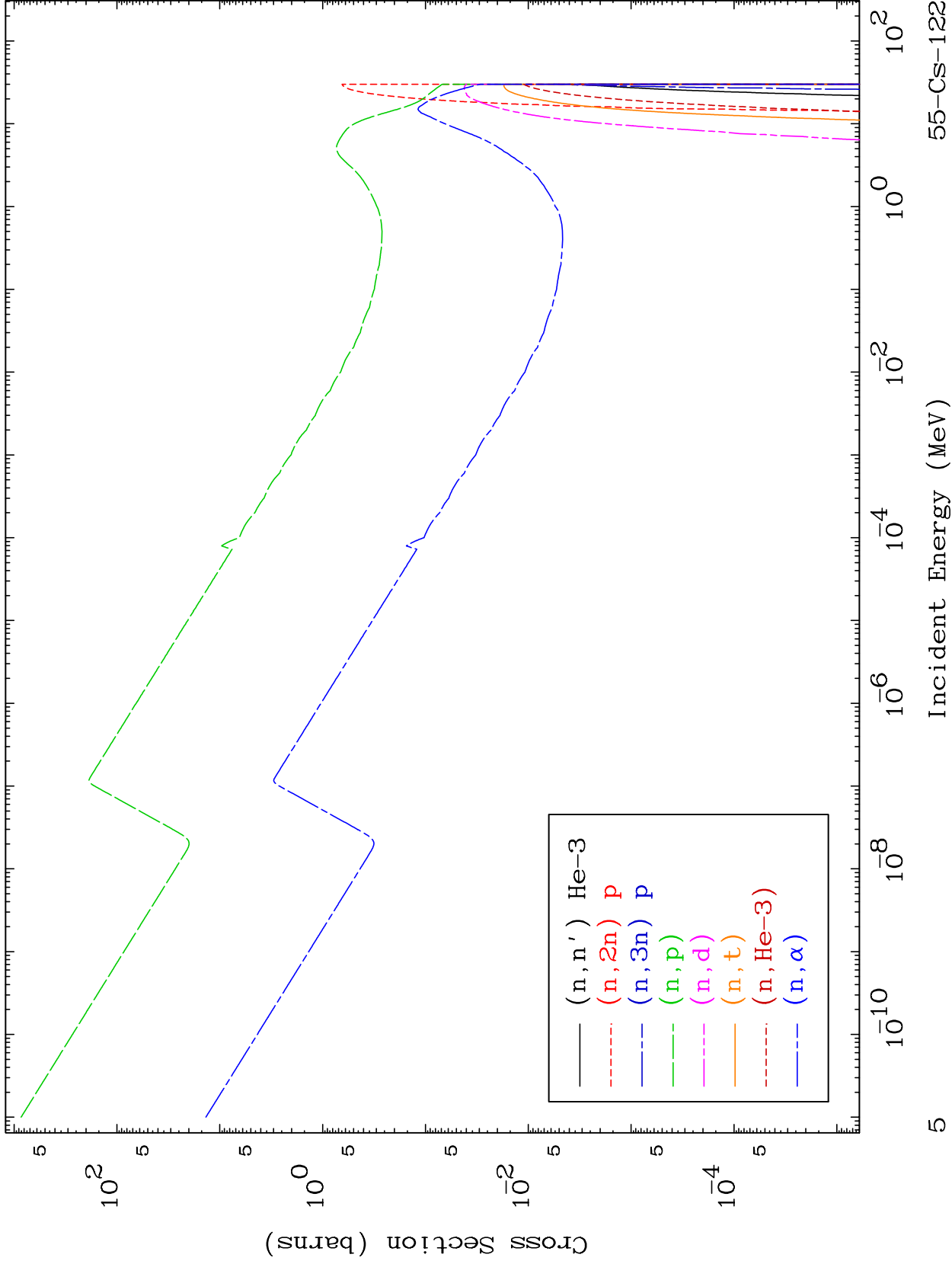


MAT 5493

Charged Particle
293 Kelvin Cross Sections

55-Cs-122

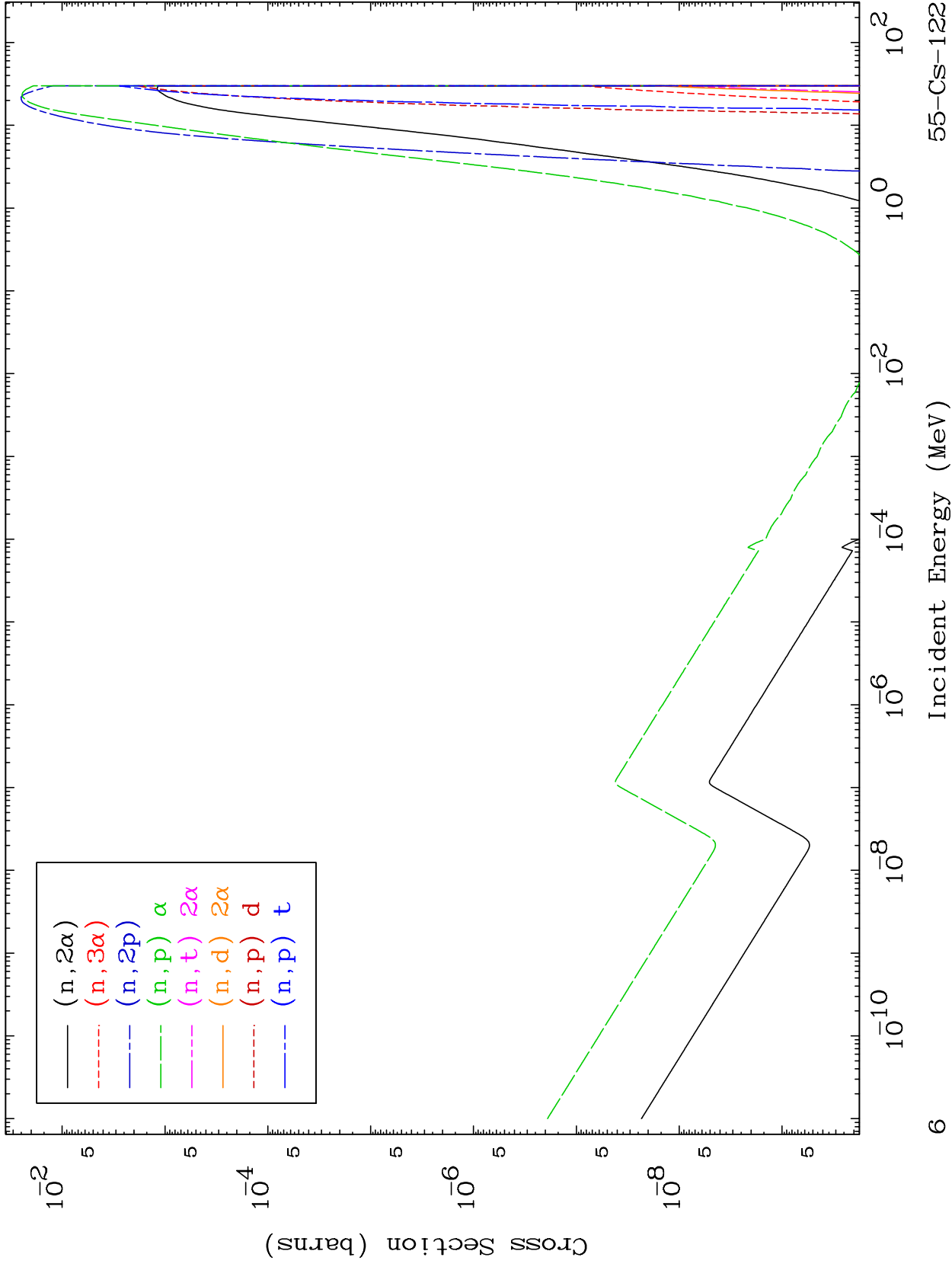




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Charged Particle
293 Kelvin Cross Sections

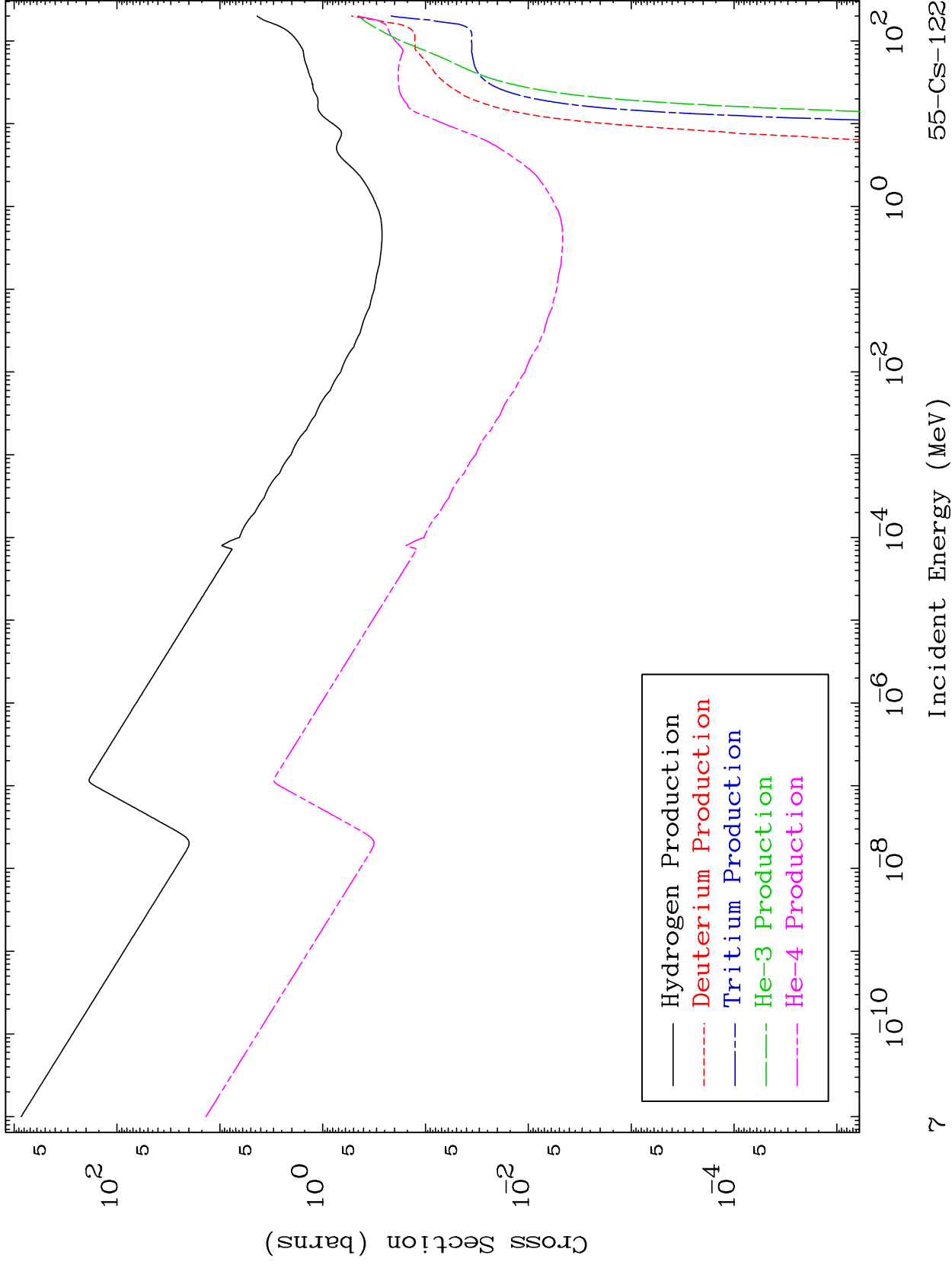
55-Cs-122



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Particle Production
293 Kelvin Cross Sections

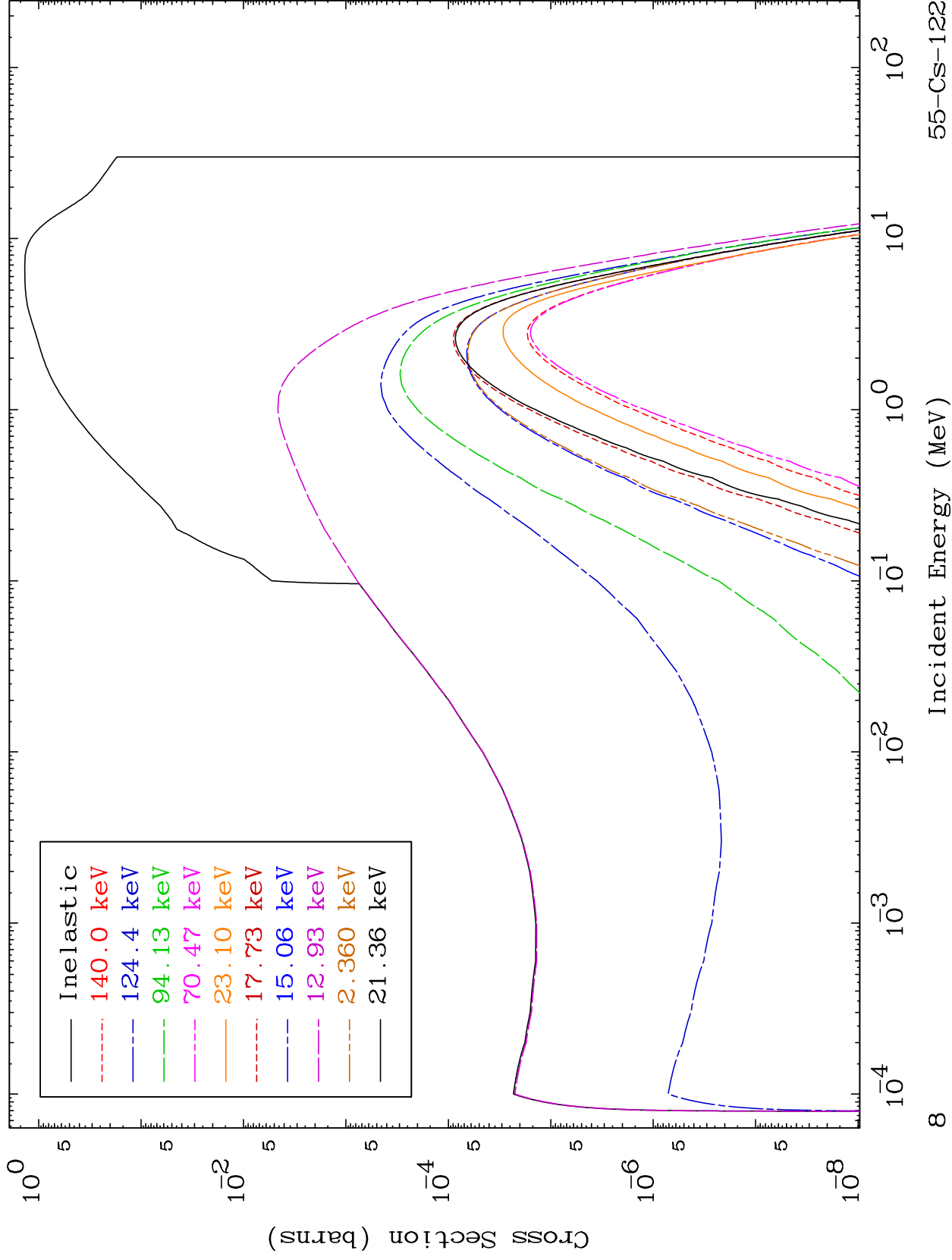
55-Cs-122



MAT 5493

(n,n') Level
293 Kelvin Cross Sections

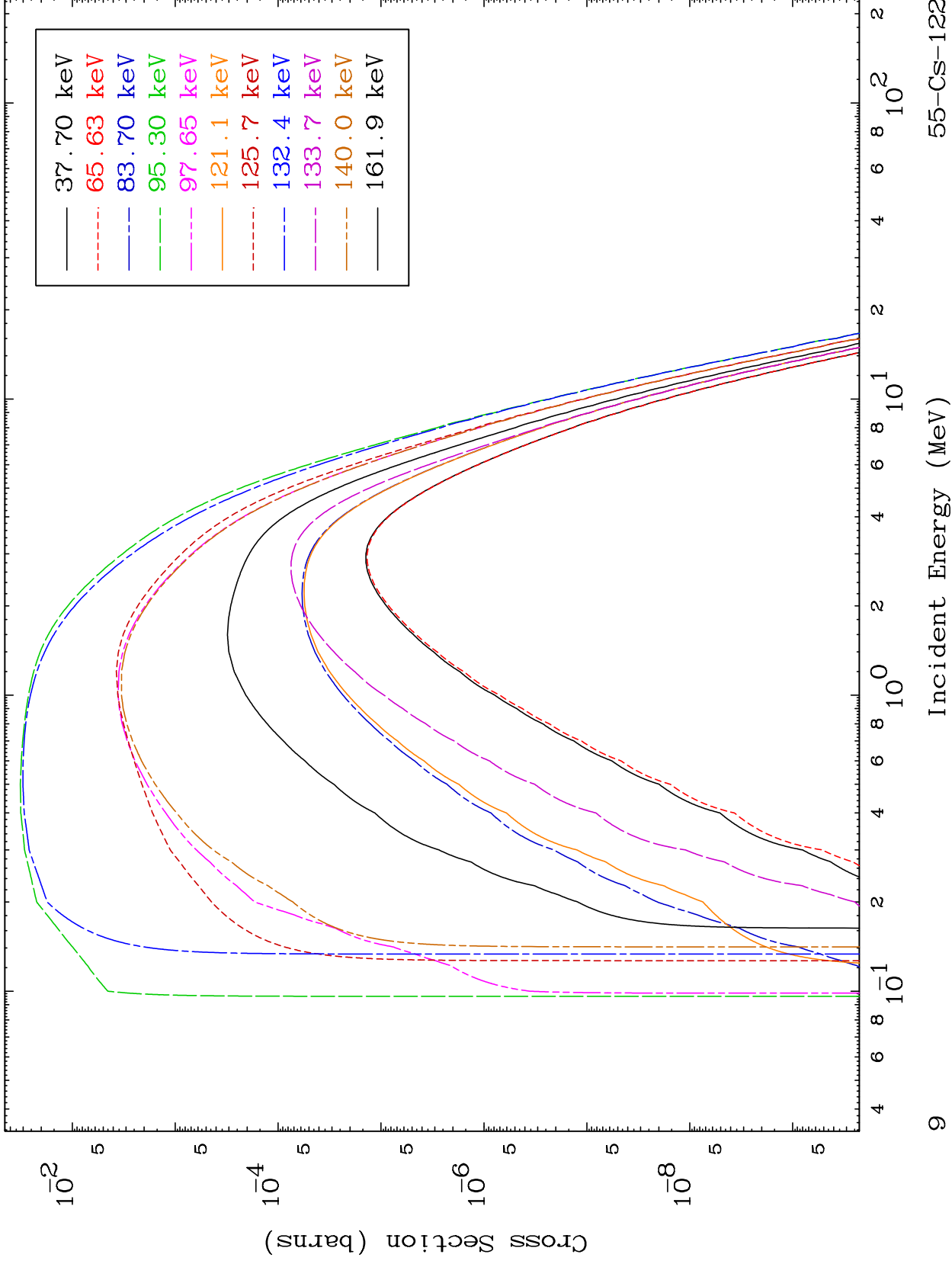
55-Cs-122



MAT 5493

(n,n') Level
293 Kelvin Cross Sections

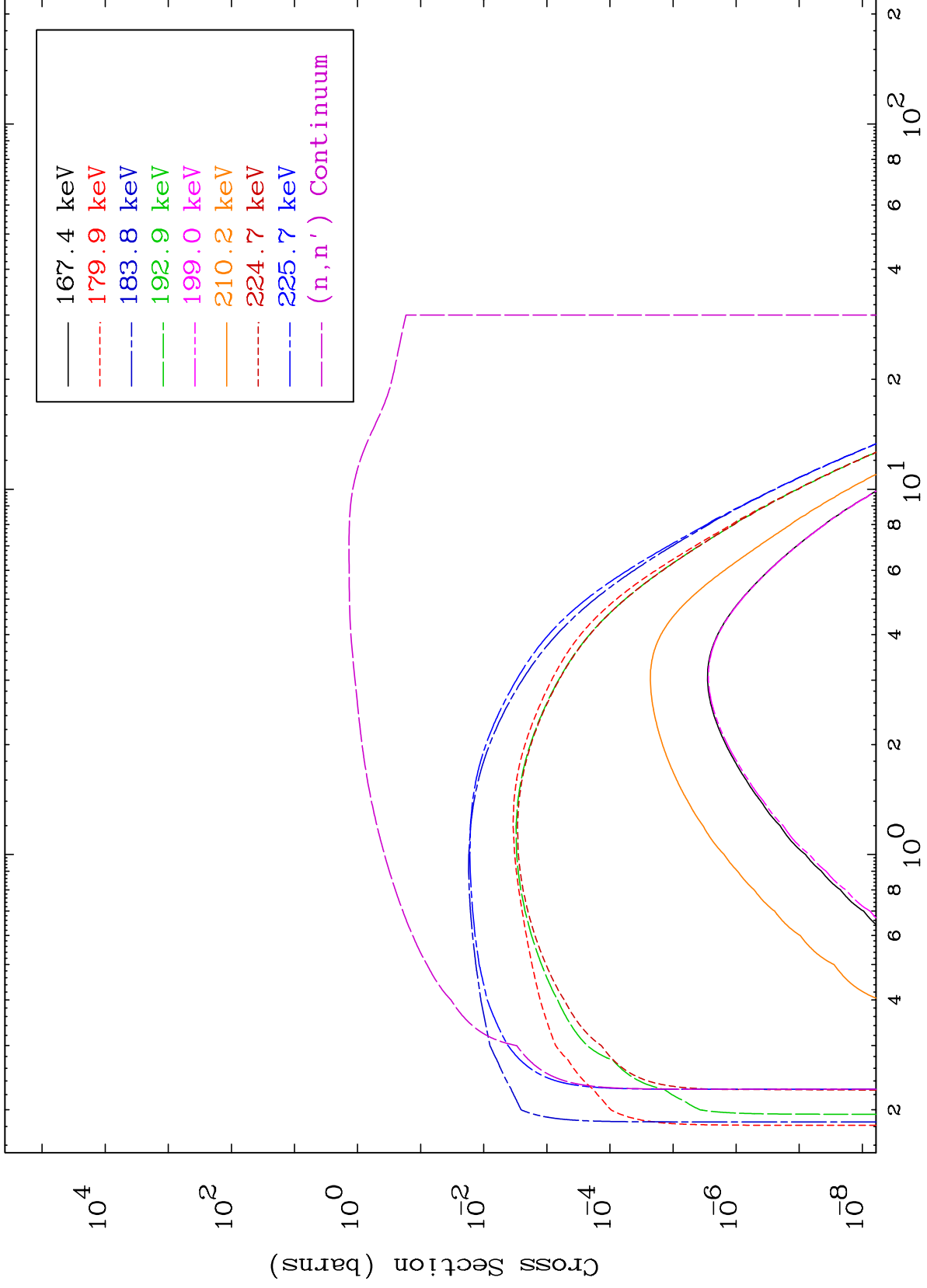
55-Cs-122



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(n,n') Level
293 Kelvin Cross Sections

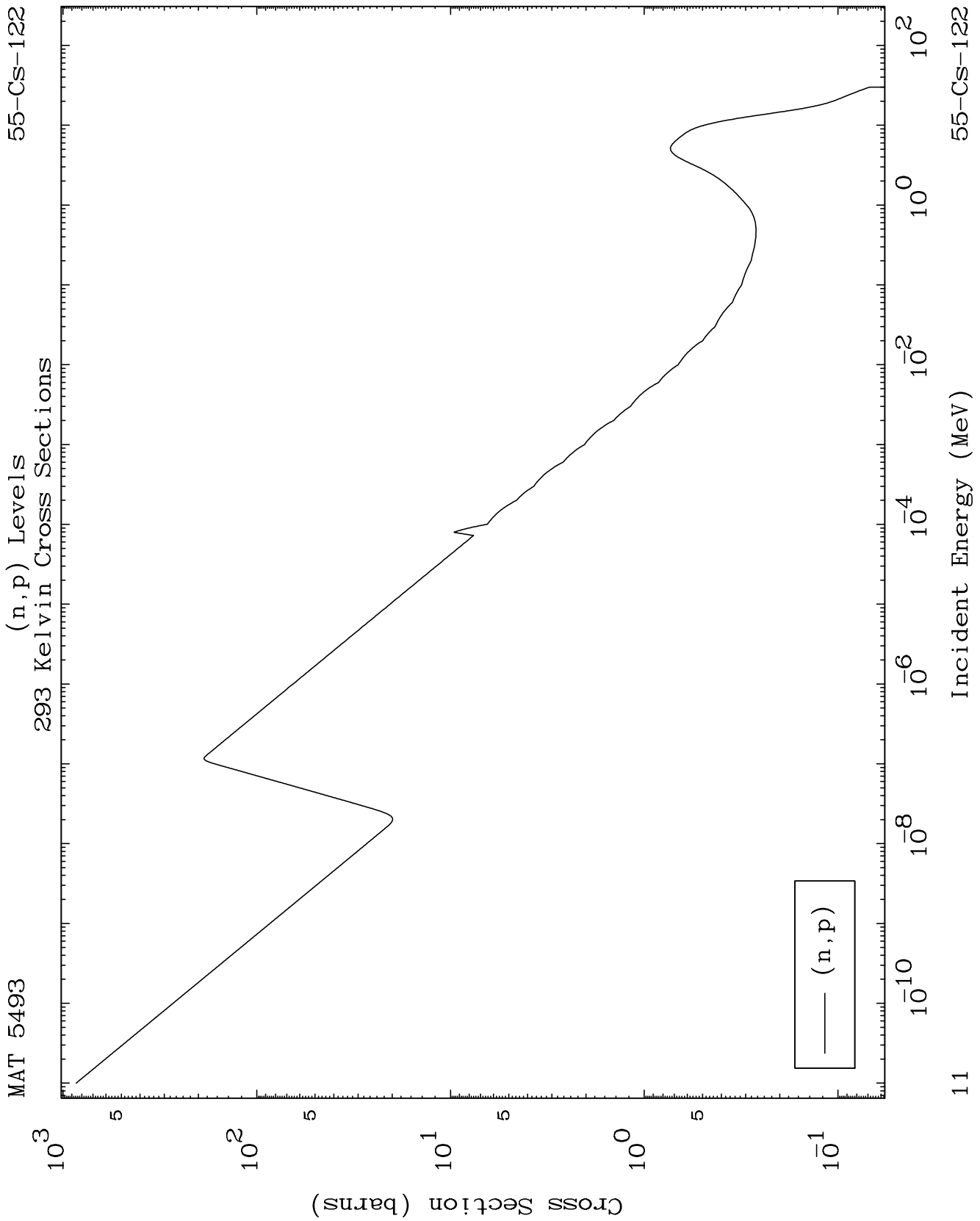
55-Cs-122



10

Incident Energy (MeV)

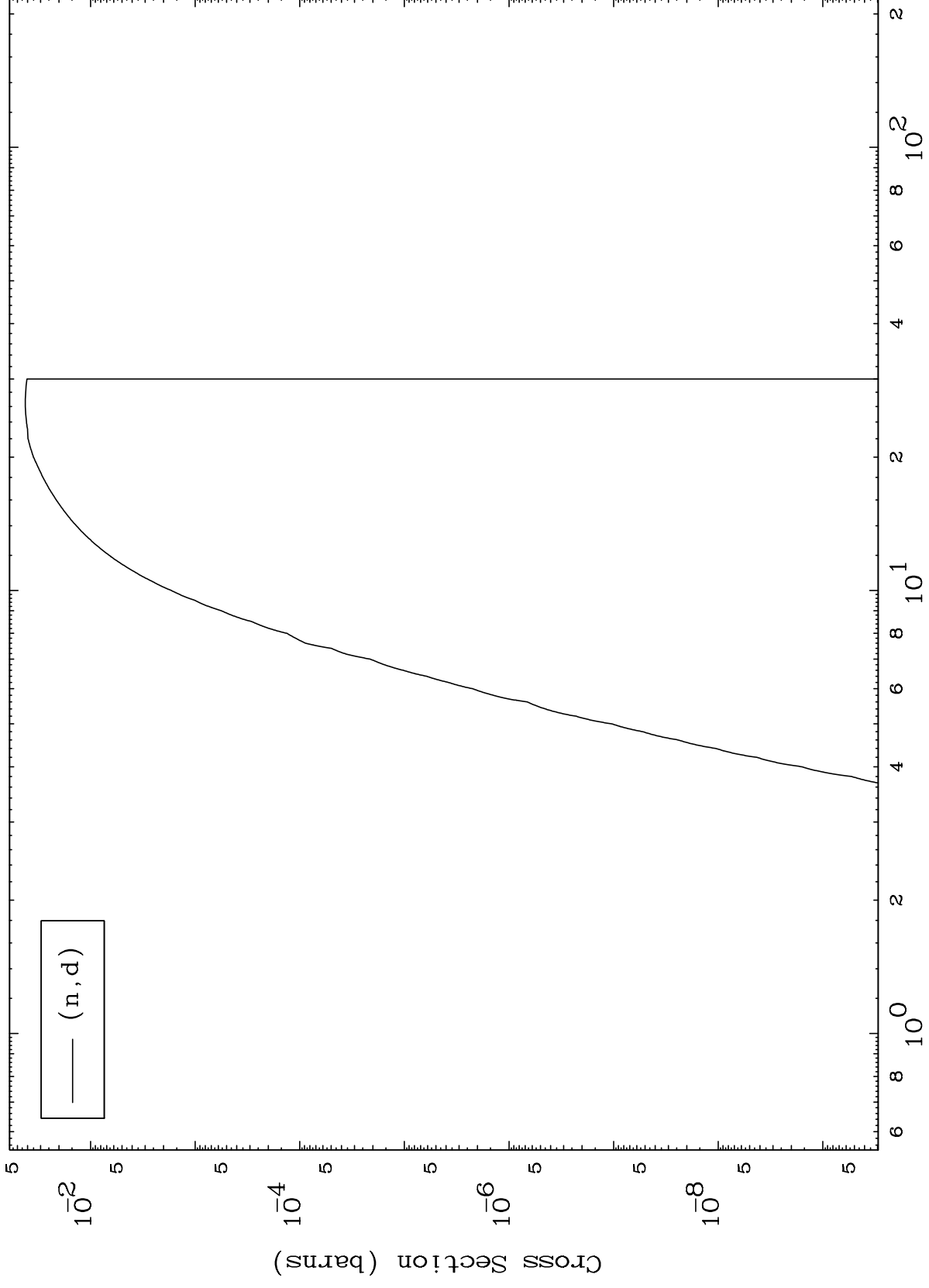
55-Cs-122



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(n,d) Levels
293 Kelvin Cross Sections

55-Cs-122



12

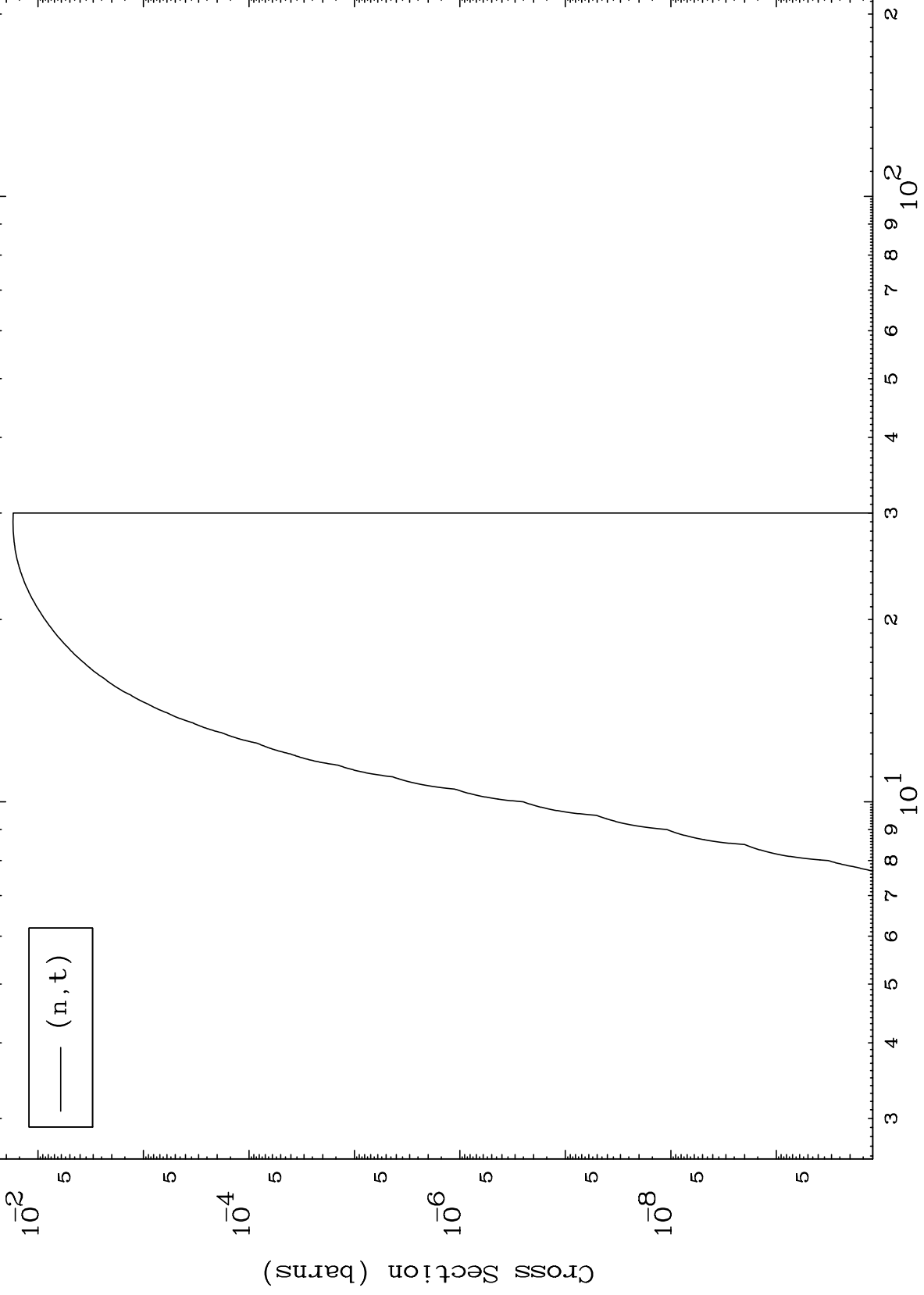
Incident Energy (MeV)

55-Cs-122

MAT 5493

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-122



13

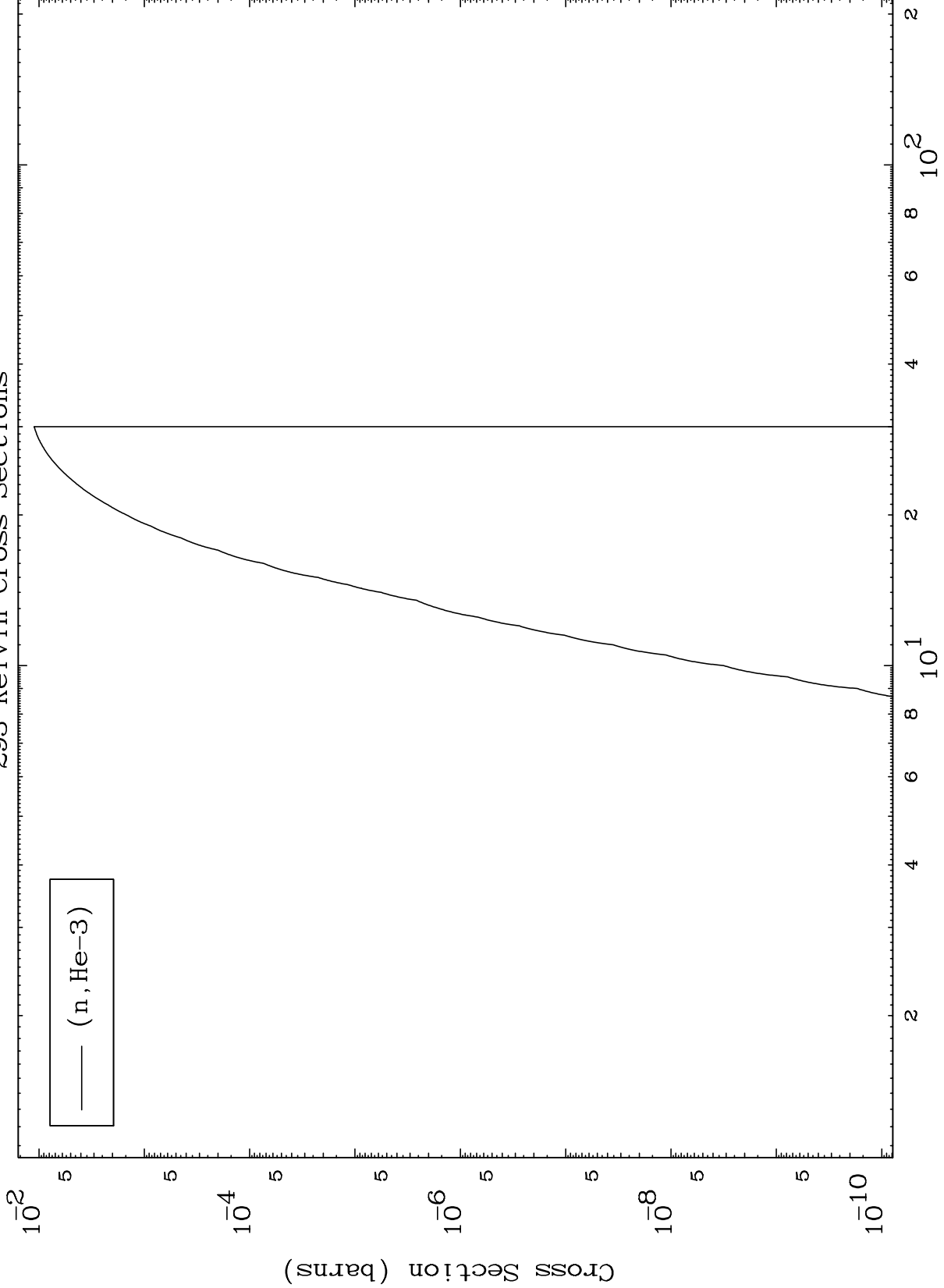
Incident Energy (MeV)

55-Cs-122

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(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-122



14

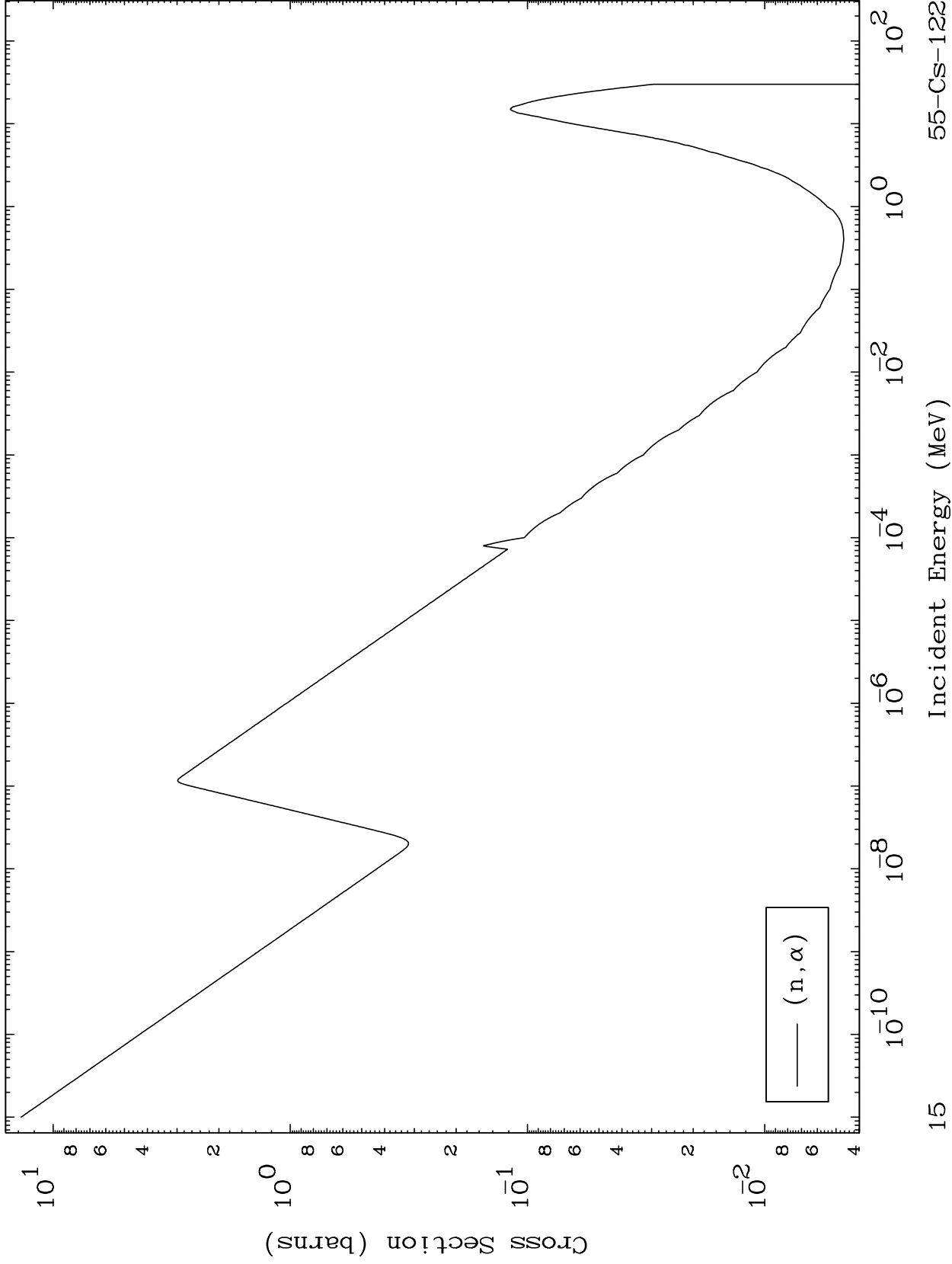
Incident Energy (MeV)

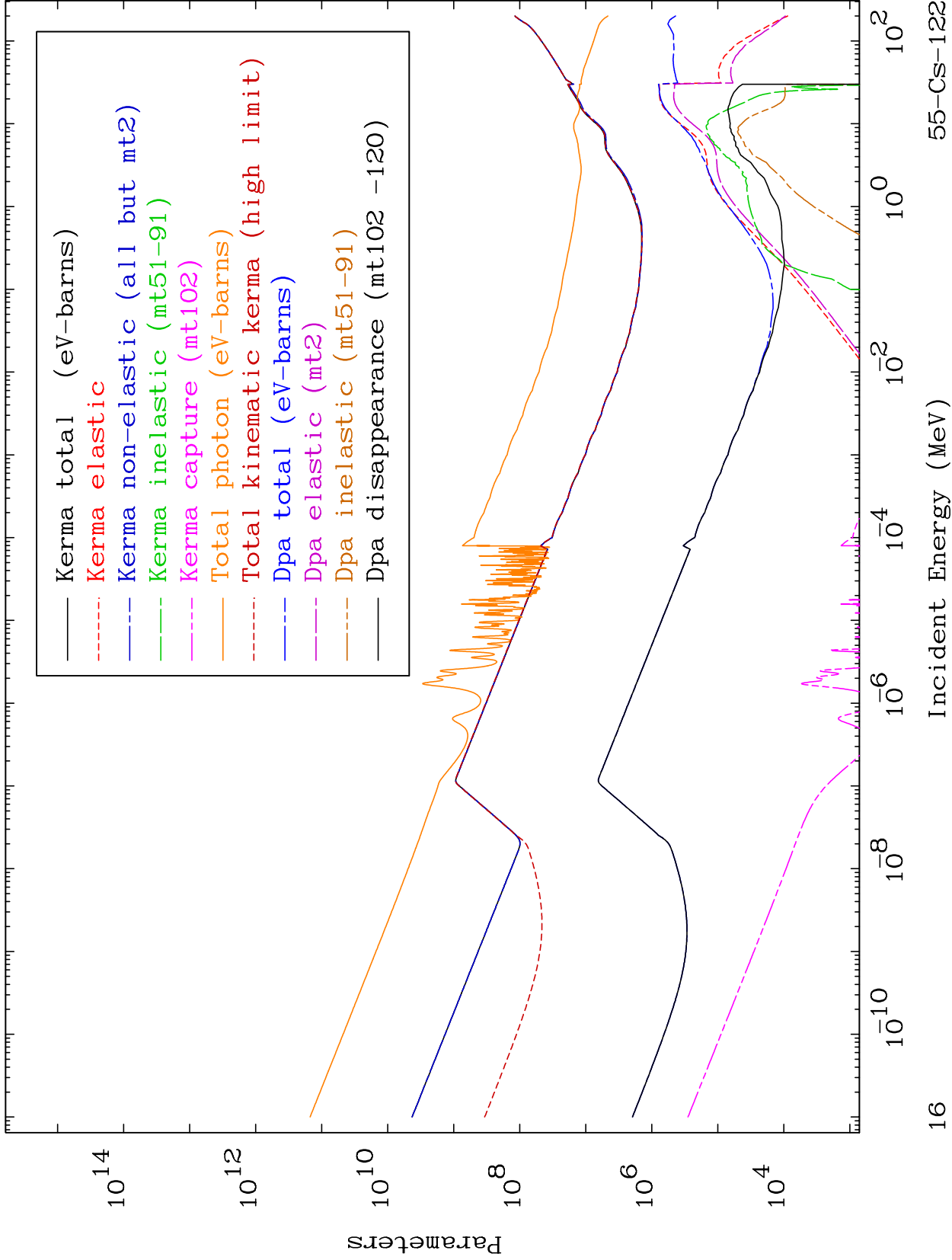
55-Cs-122

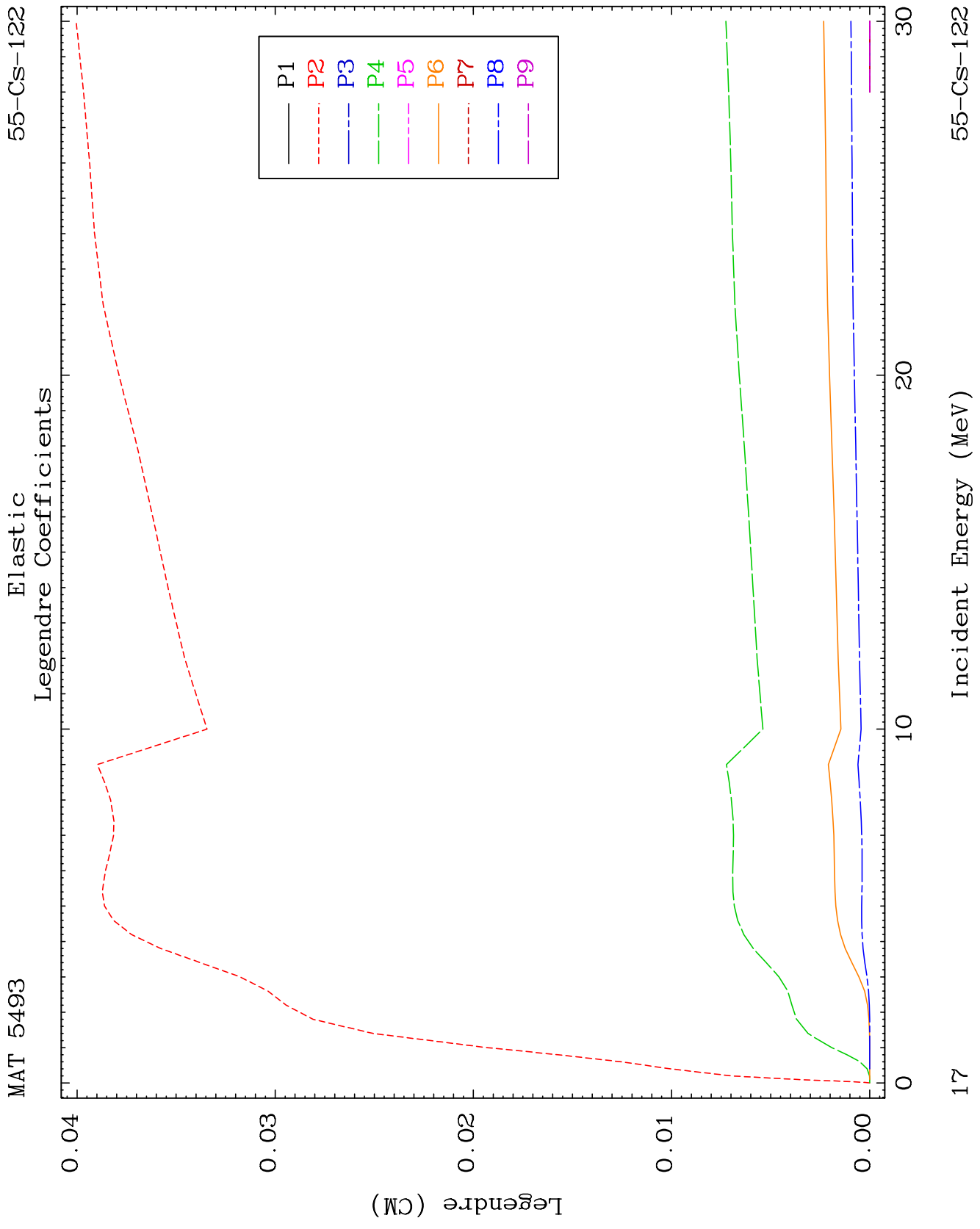
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(n,α) Levels
293 Kelvin Cross Sections

55-Cs-122



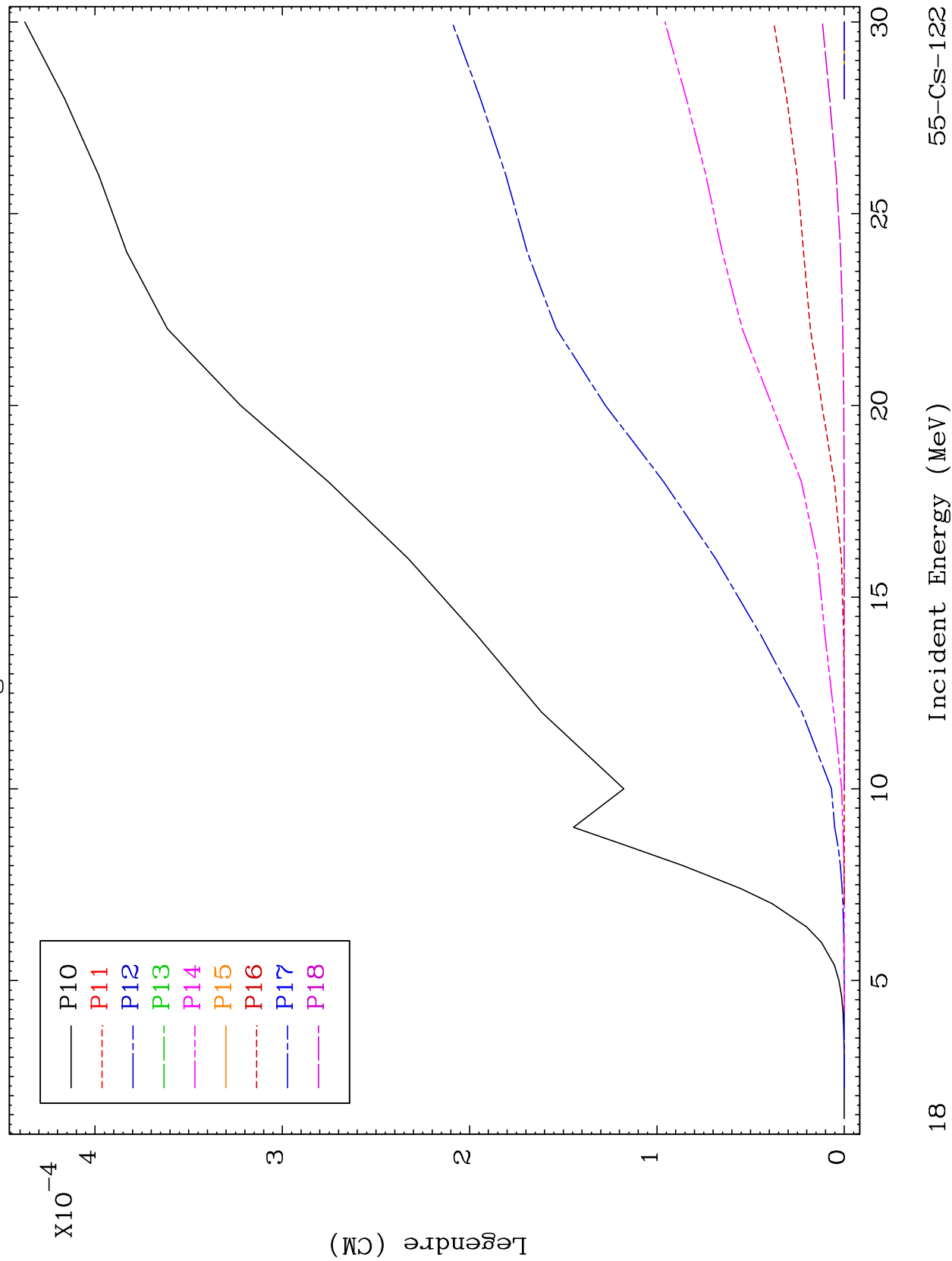




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Elastic Legendre Coefficients

55-Cs-122

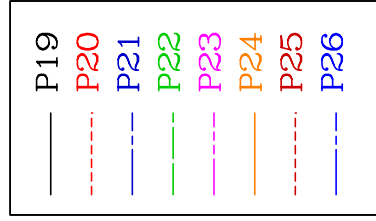


- P10
- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18

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Elastic Legendre Coefficients

55-Cs-122



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

25

30

19

Incident Energy (MeV)

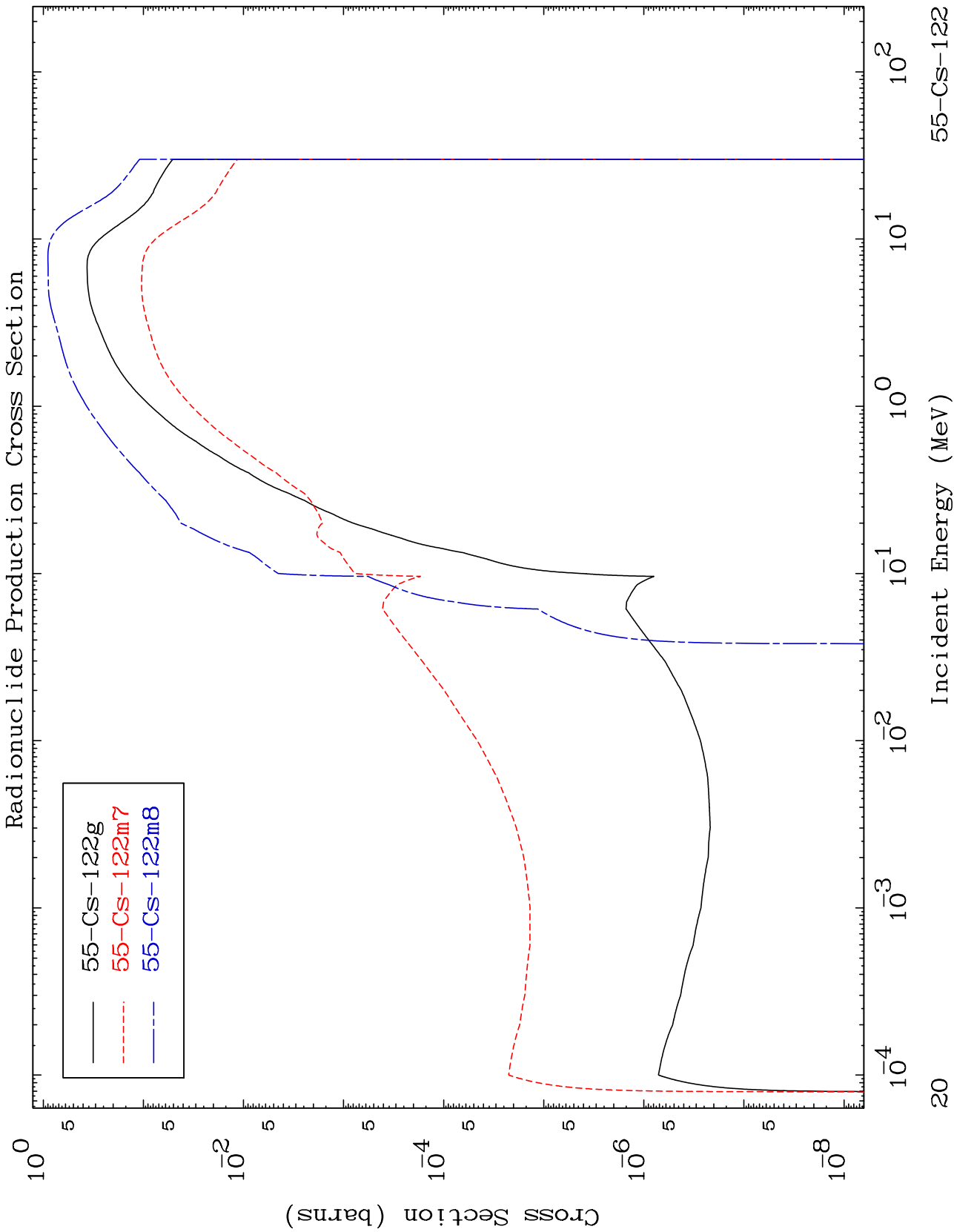
55-Cs-122



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55-Cs-122

Inelastic
Radionuclide Production Cross Section



55-Cs-122g
55-Cs-122m7
55-Cs-122m8

55-Cs-122

Incident Energy (MeV)

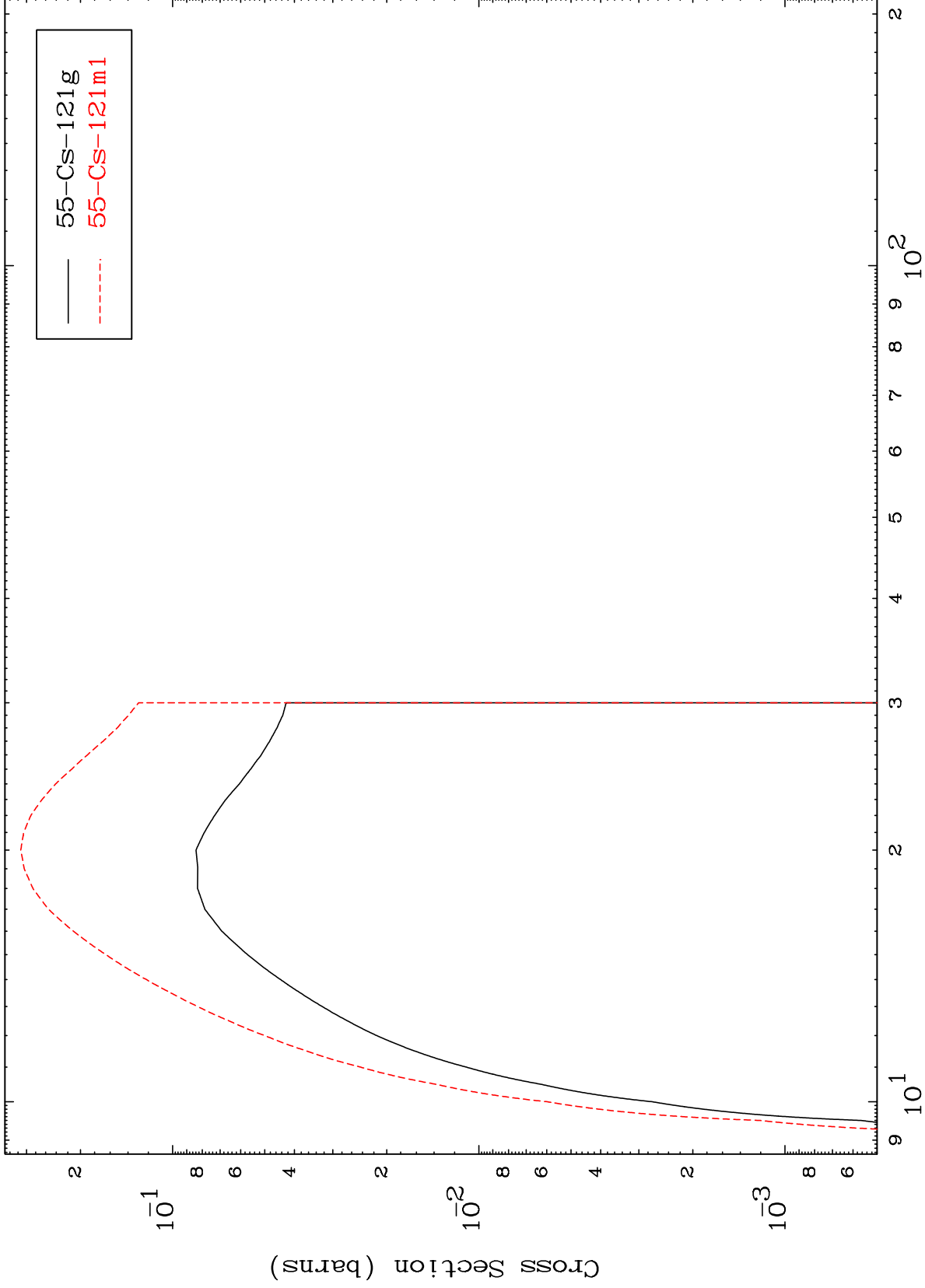
20

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(n,2n)

55-Cs-122

Radionuclide Production Cross Section



21

Incident Energy (MeV)

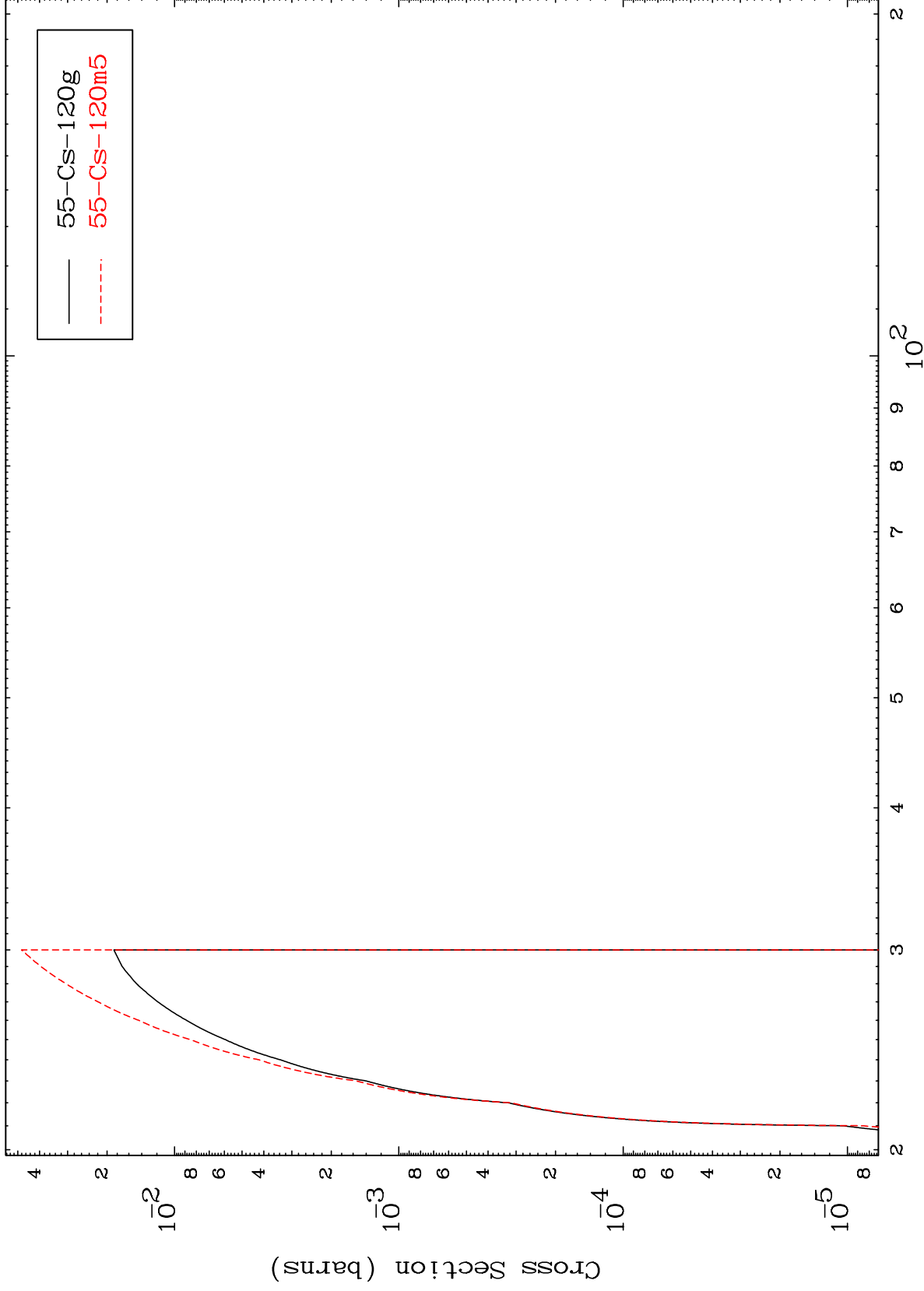
55-Cs-122

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(n,3n)

55-Cs-122

Radionuclide Production Cross Section



22

Incident Energy (MeV)

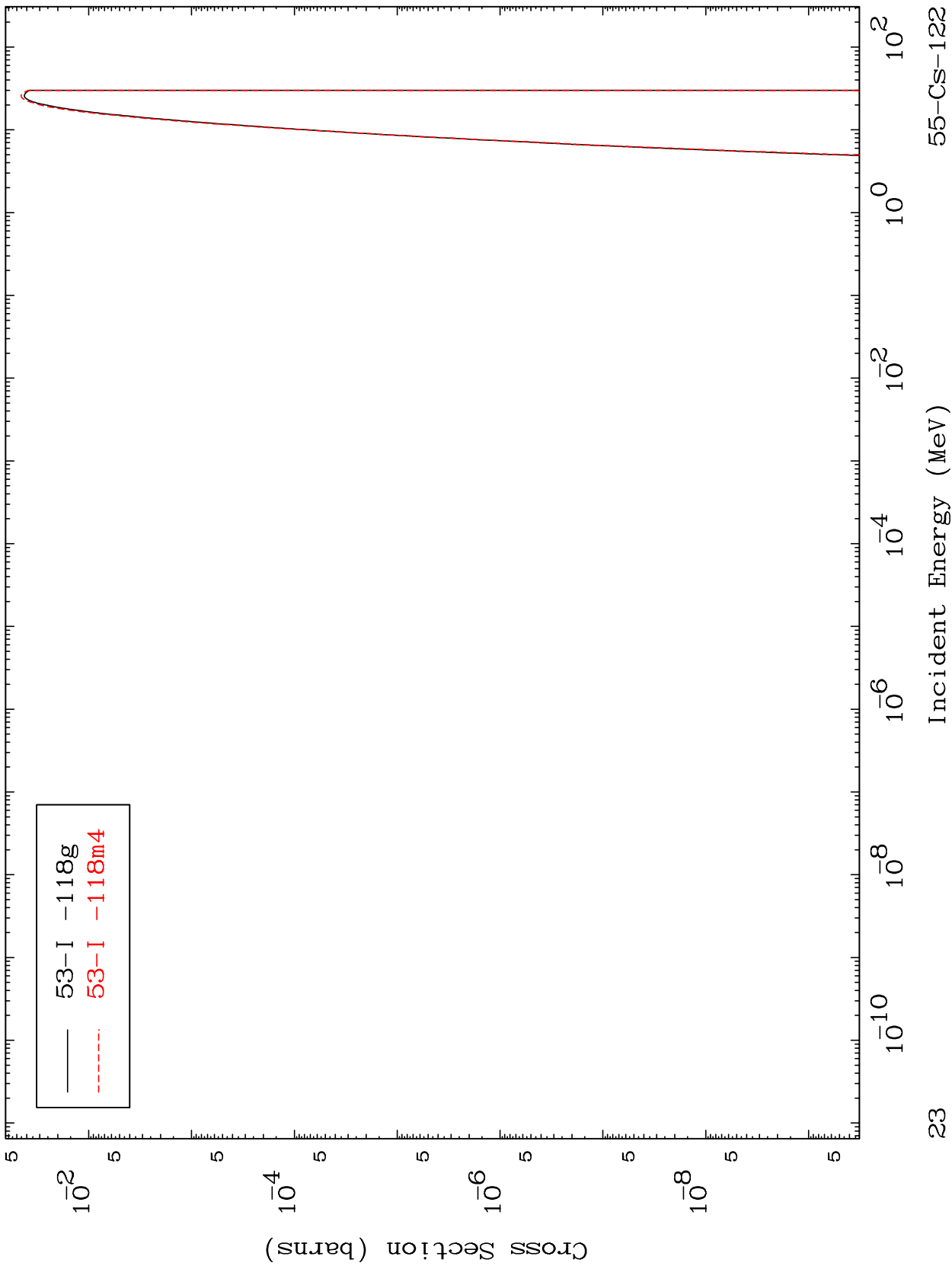
55-Cs-122

MAT 5493

(n,n') α

55-Cs-122

Radionuclide Production Cross Section



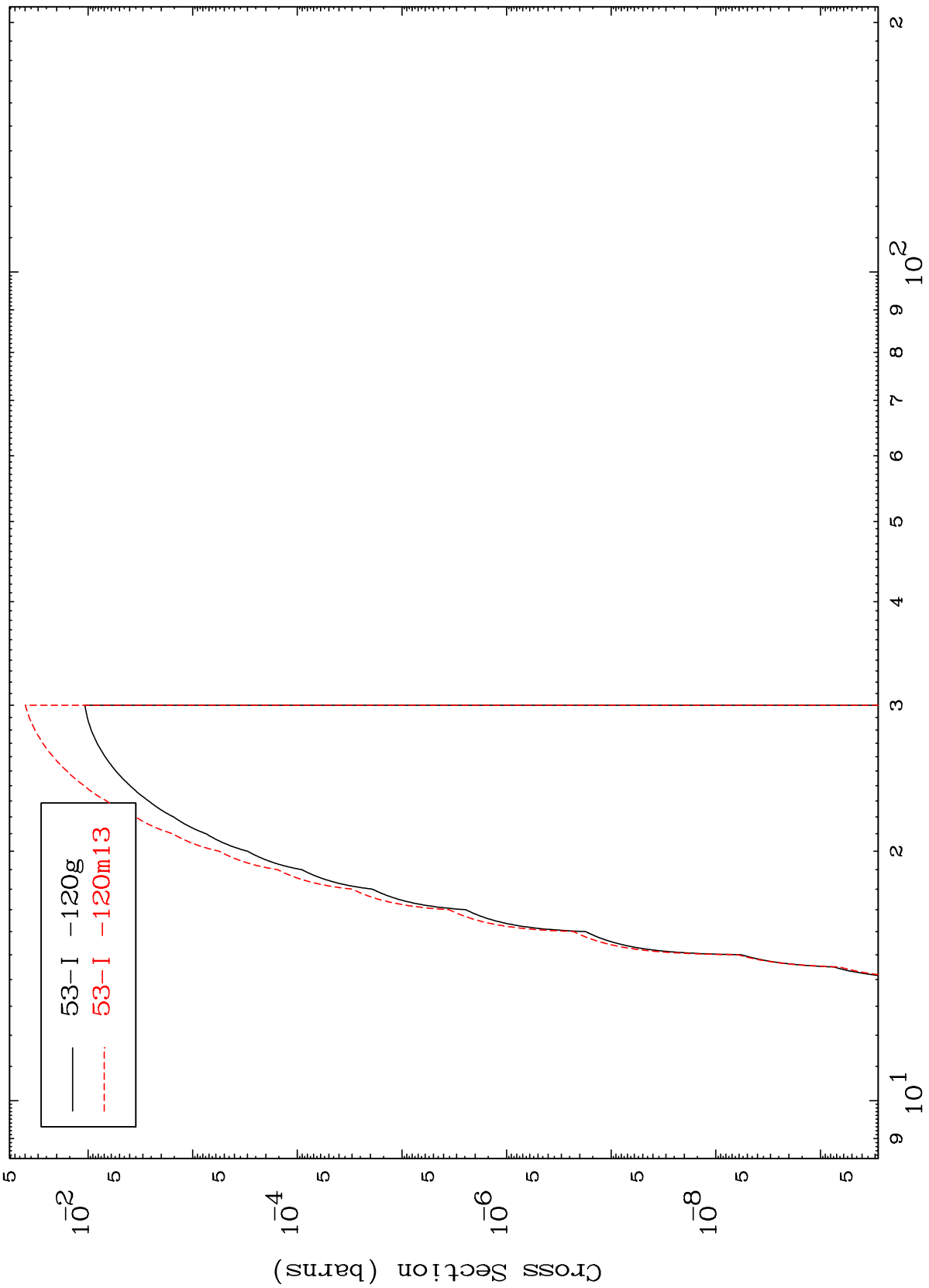
53-I-118g
53-I-118m4

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(n,2n) p

55-Cs-122

Radionuclide Production Cross Section



53-I -120g
53-I -120m13

Incident Energy (MeV)

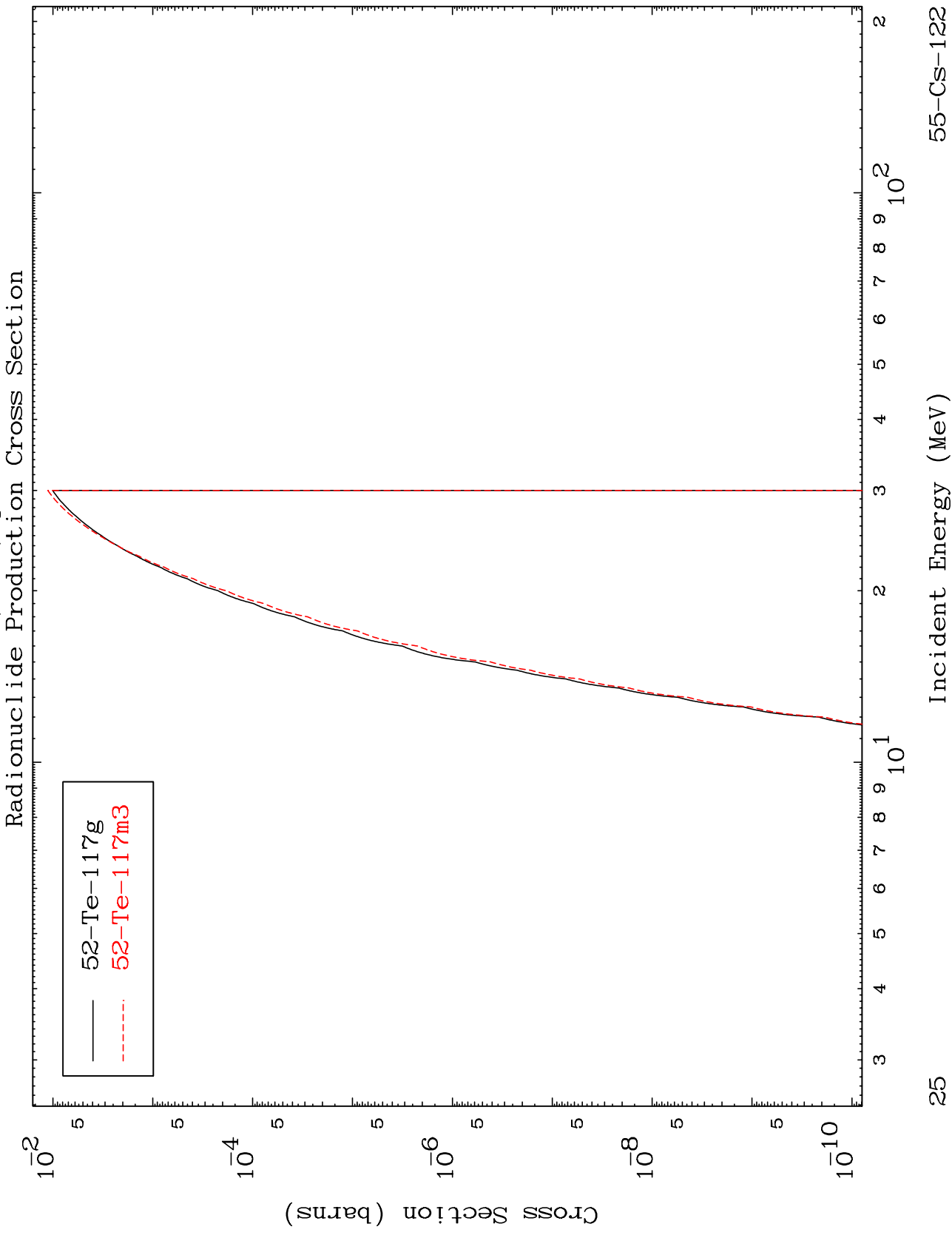
55-Cs-122

24

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(n,n') p α

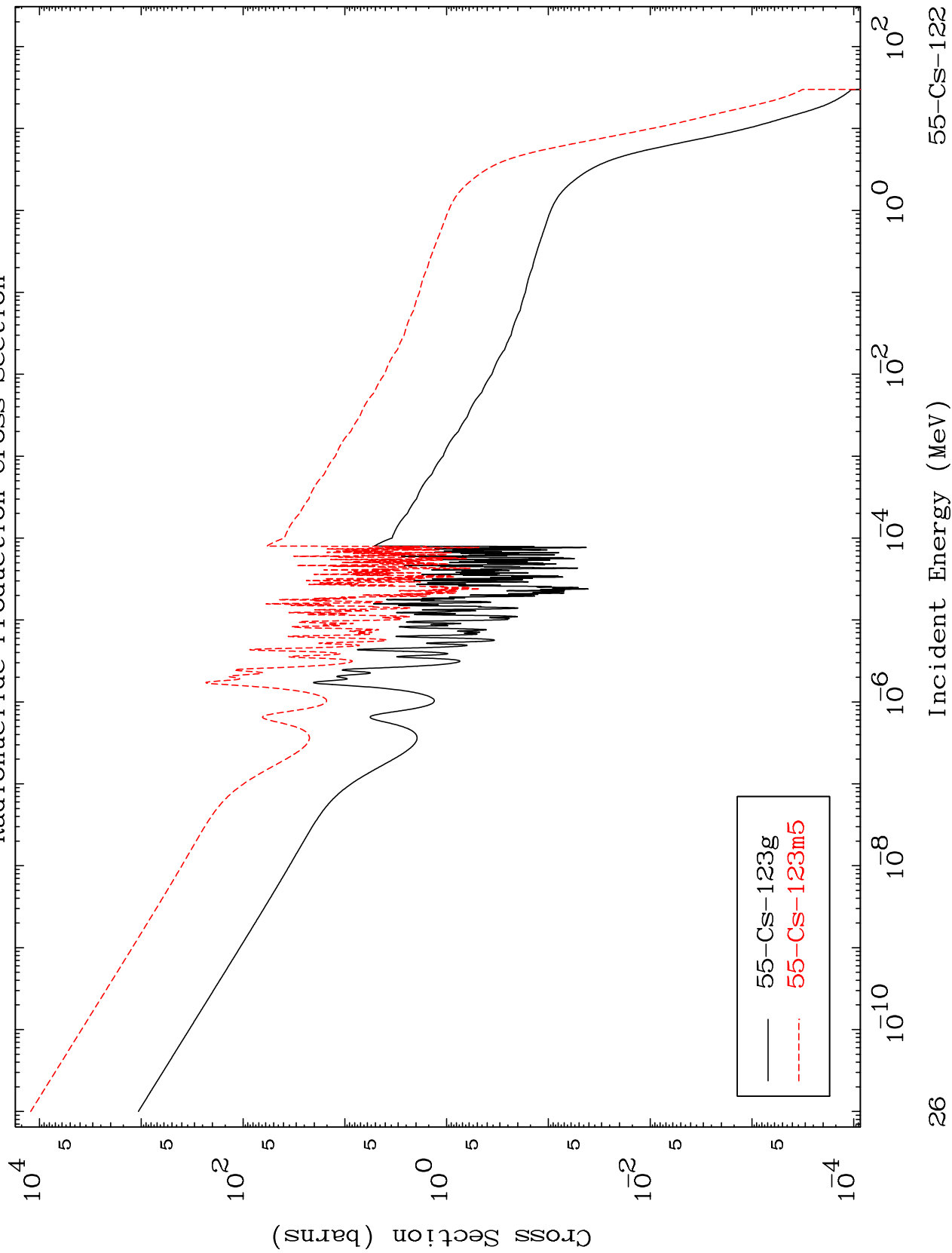
55-Cs-122



MAT 5493

55-Cs-122

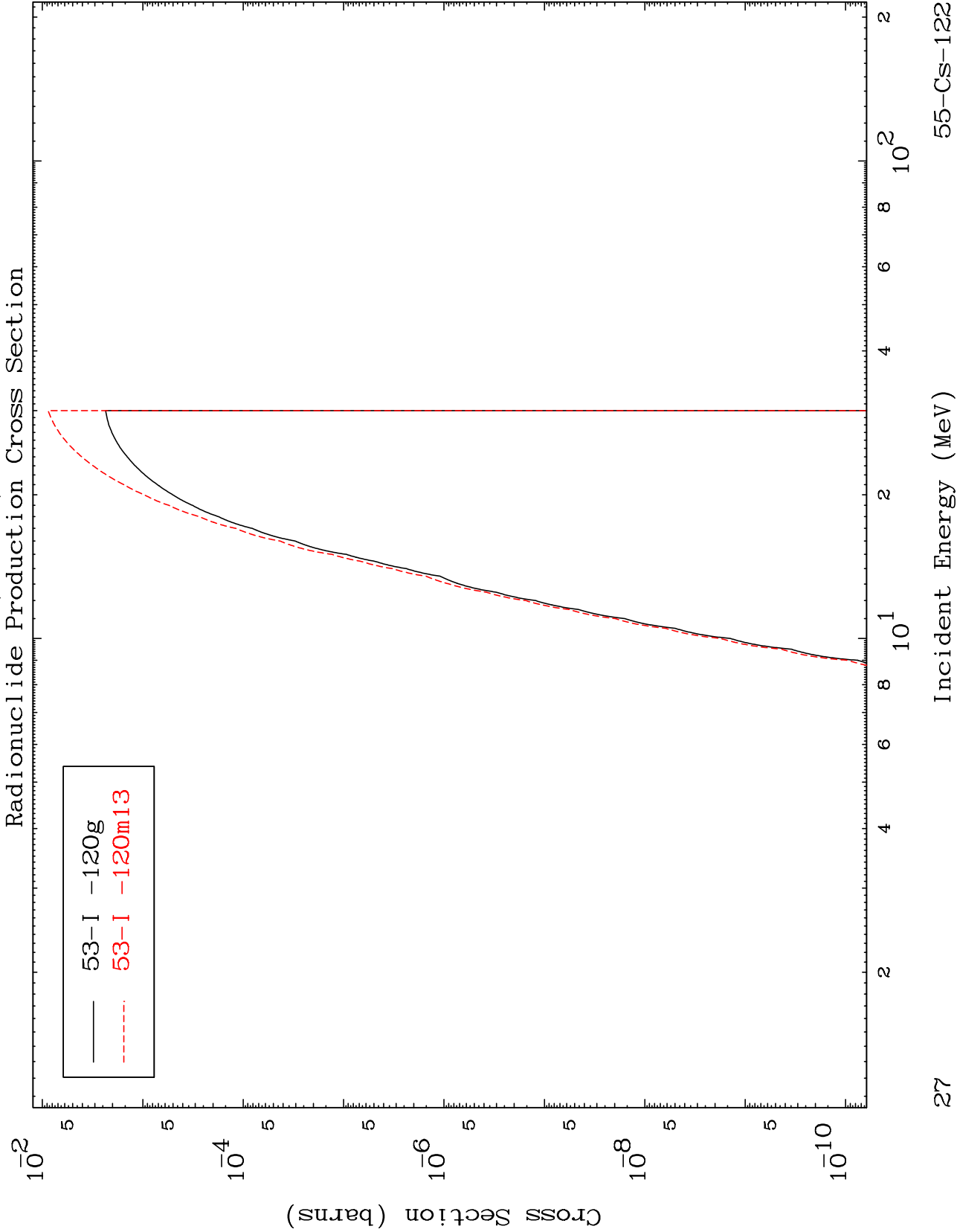
(n, γ)
Radionuclide Production Cross Section



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(n,He-3)

55-Cs-122

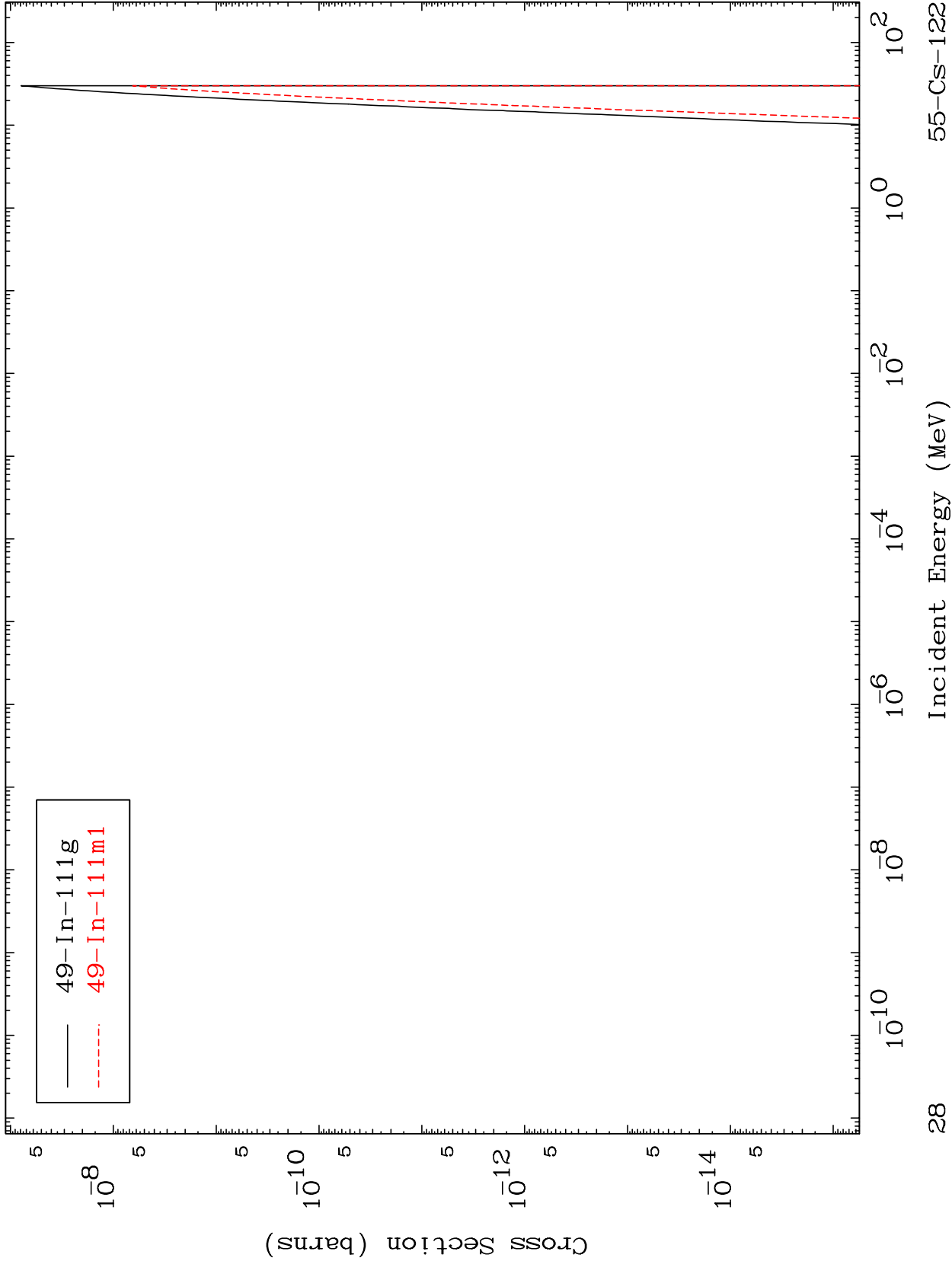


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(n, 3α)

55-Cs-122

Radionuclide Production Cross Section

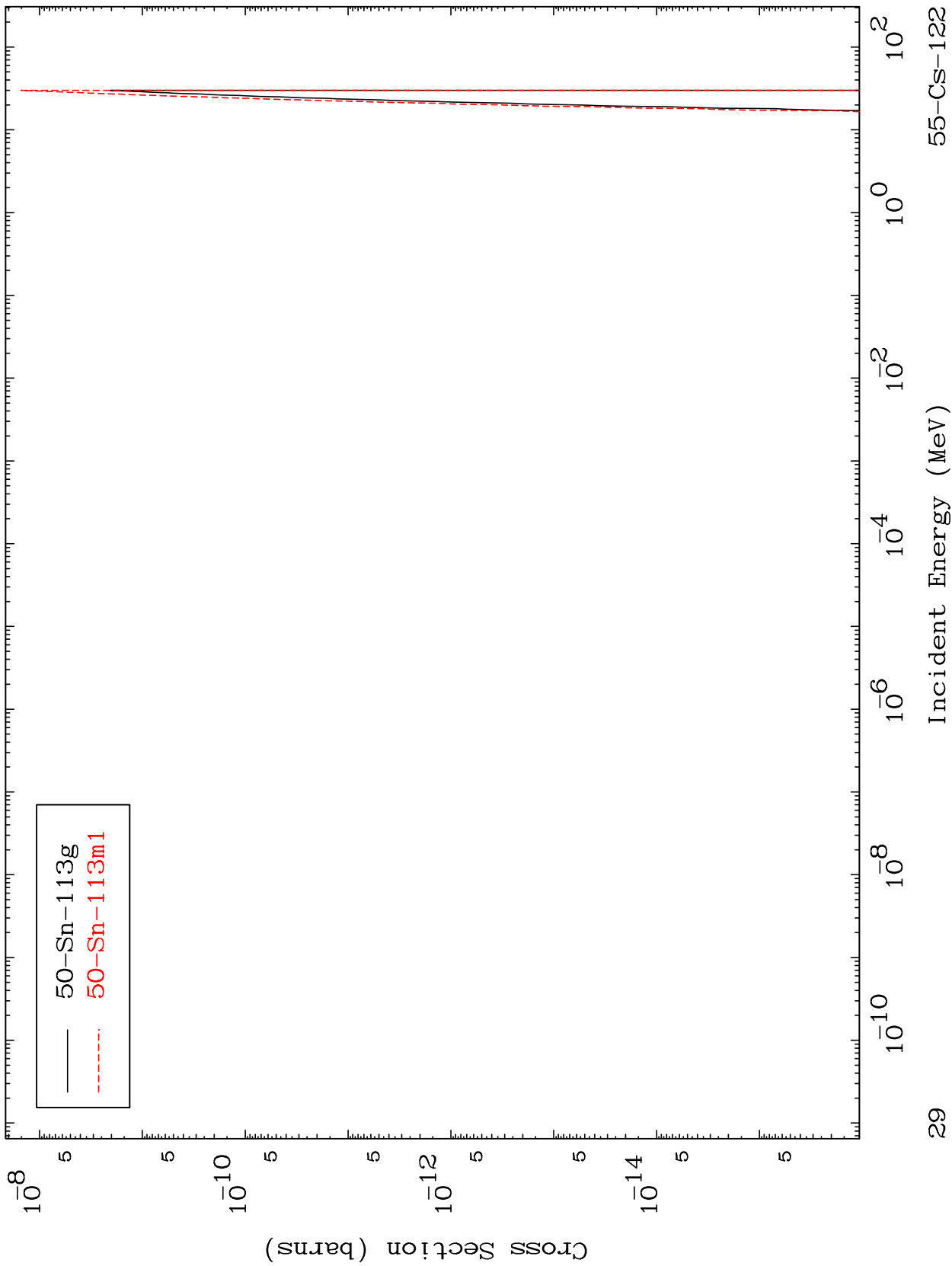


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(n,d) 2 α

55-Cs-122

Radionuclide Production Cross Section

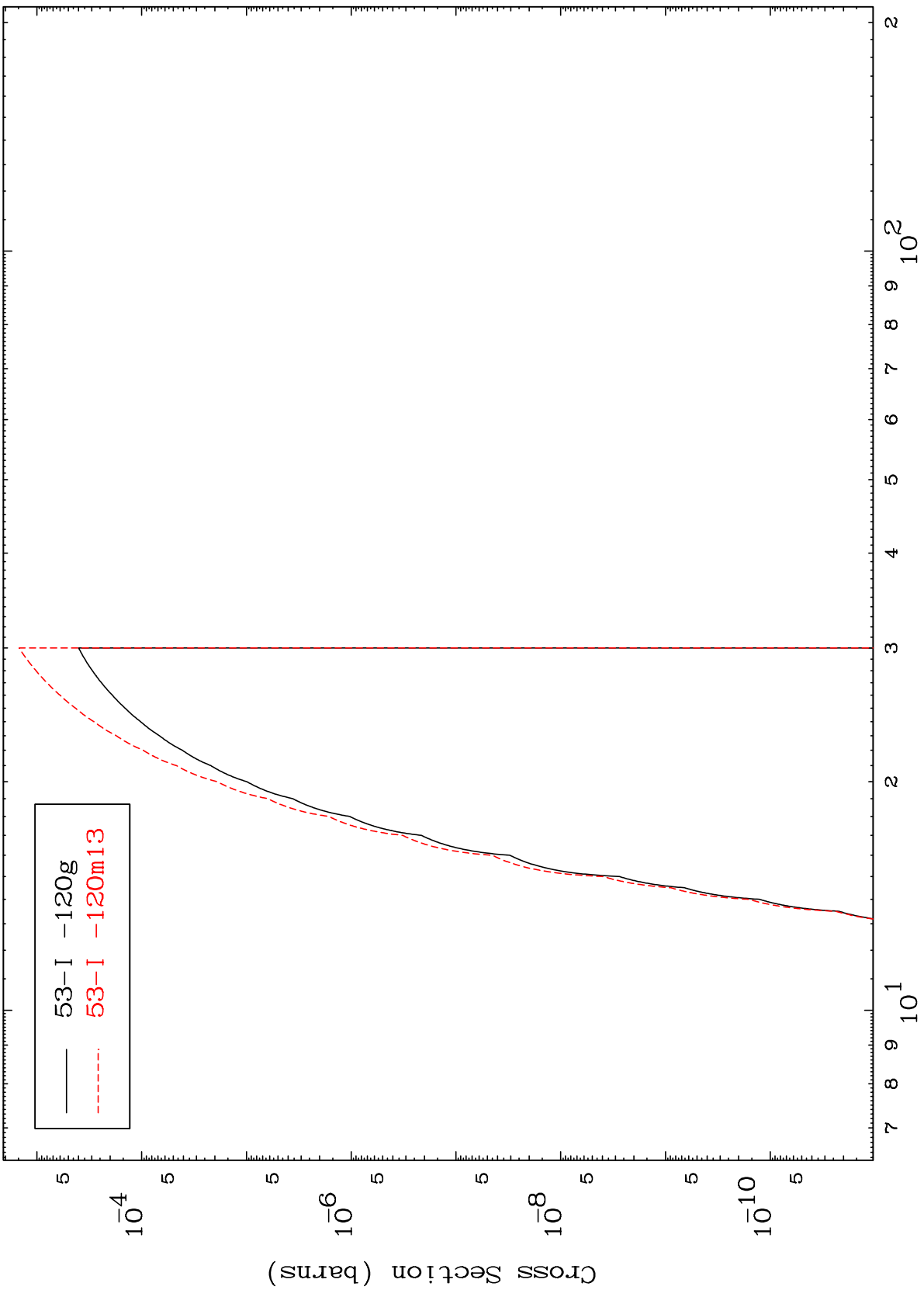


MAT 5493

(n,p) d

55-Cs-122

Radionuclide Production Cross Section



30

Incident Energy (MeV)

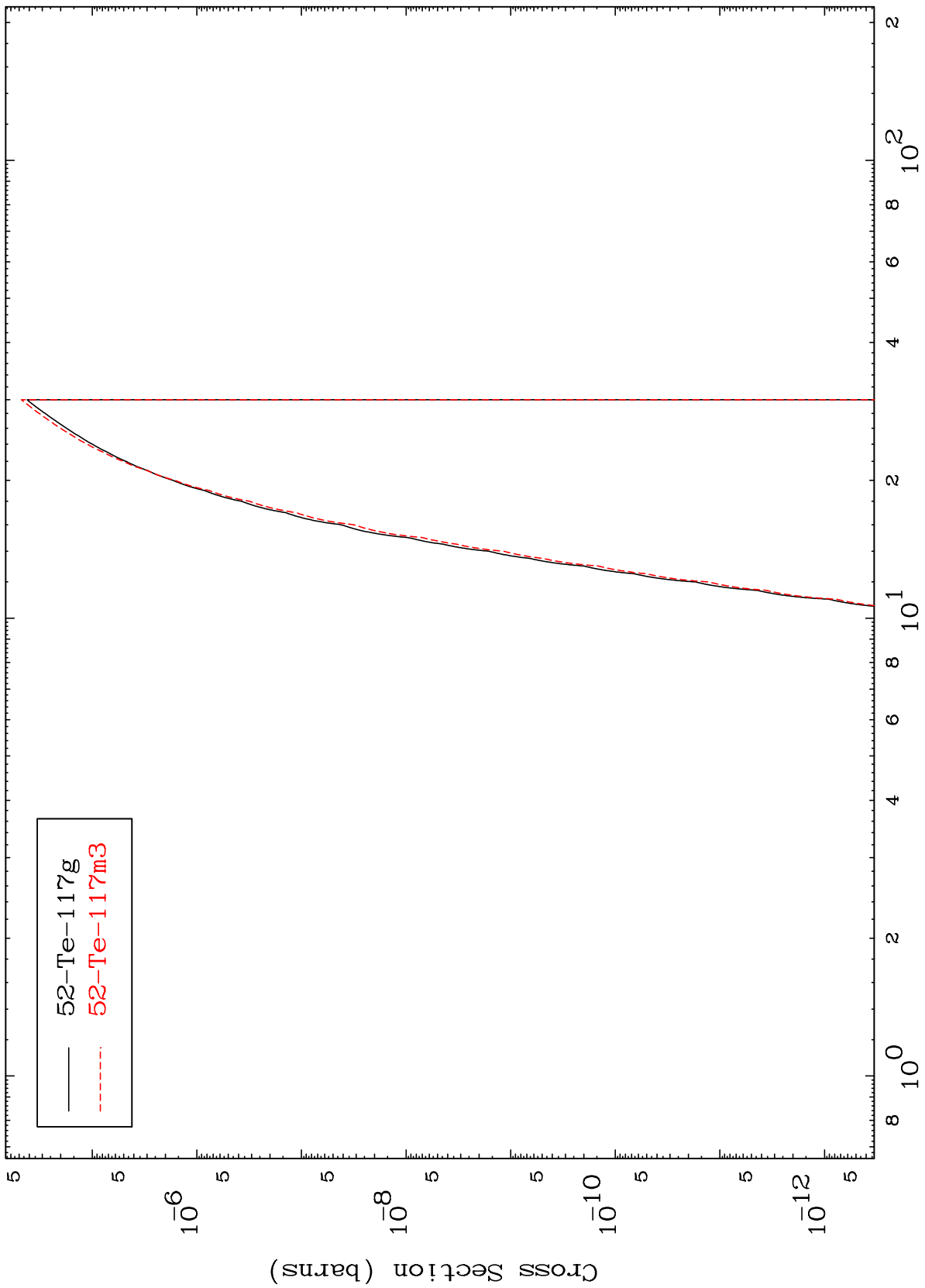
55-Cs-122

MAT 5493

(n,d) α

55-Cs-122

Radionuclide Production Cross Section



52-Te-117g
52-Te-117m3