

Program EVALPLOT
(Version 2018-1)

by

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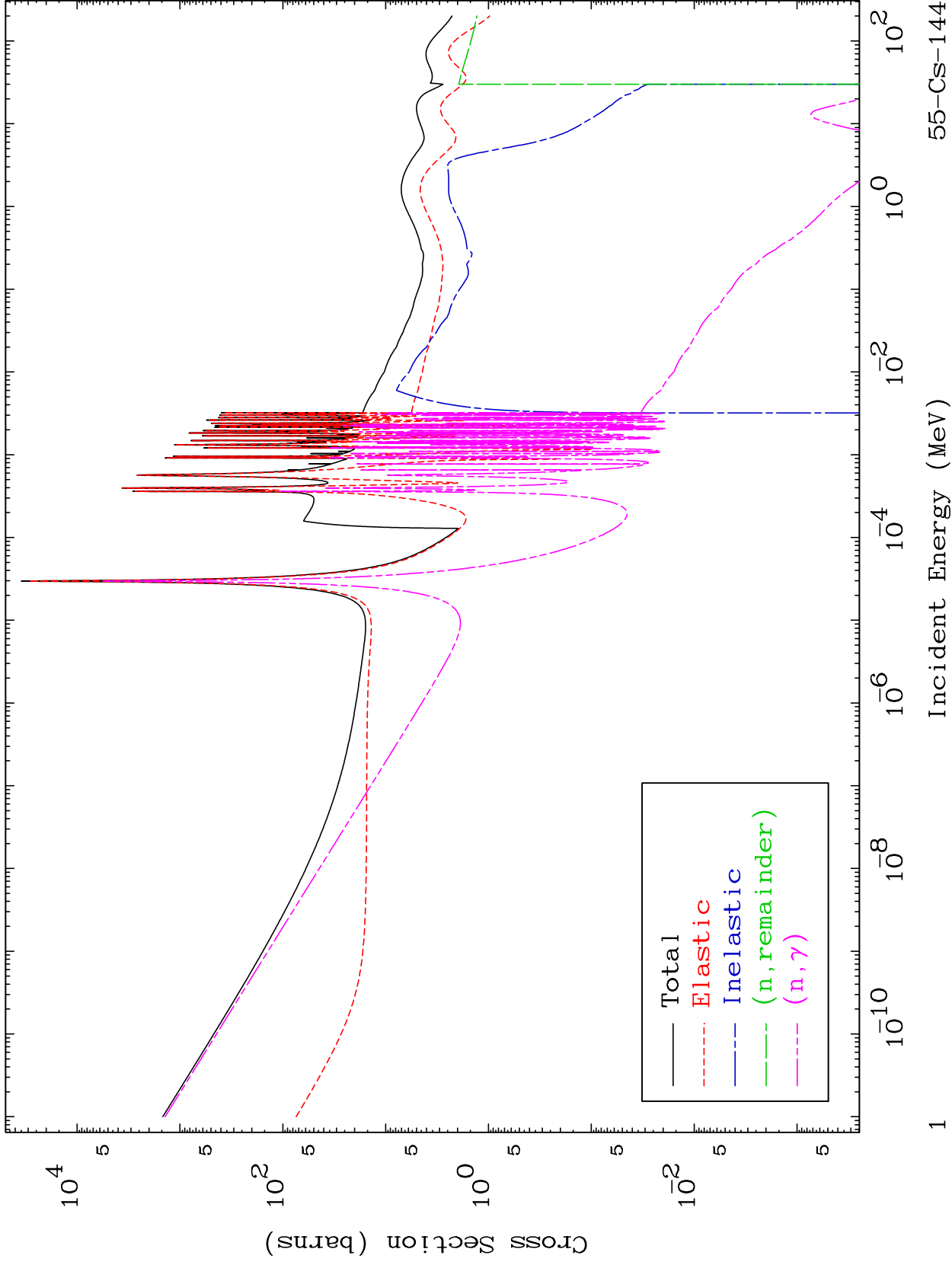
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5559

Major
293 Kelvin Cross Sections

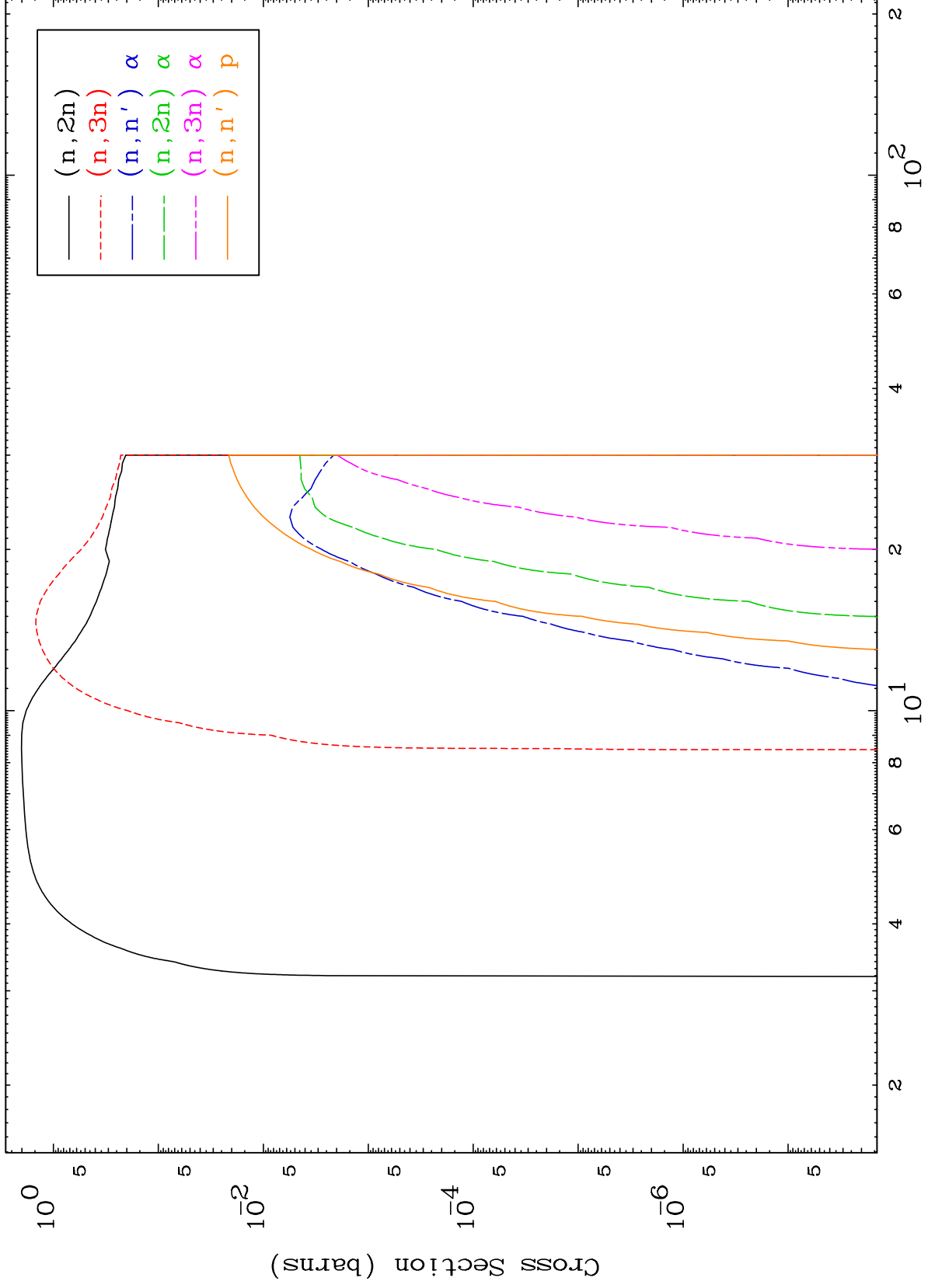
55-Cs-144



MAT 5559

Neutron Production
293 Kelvin Cross Sections

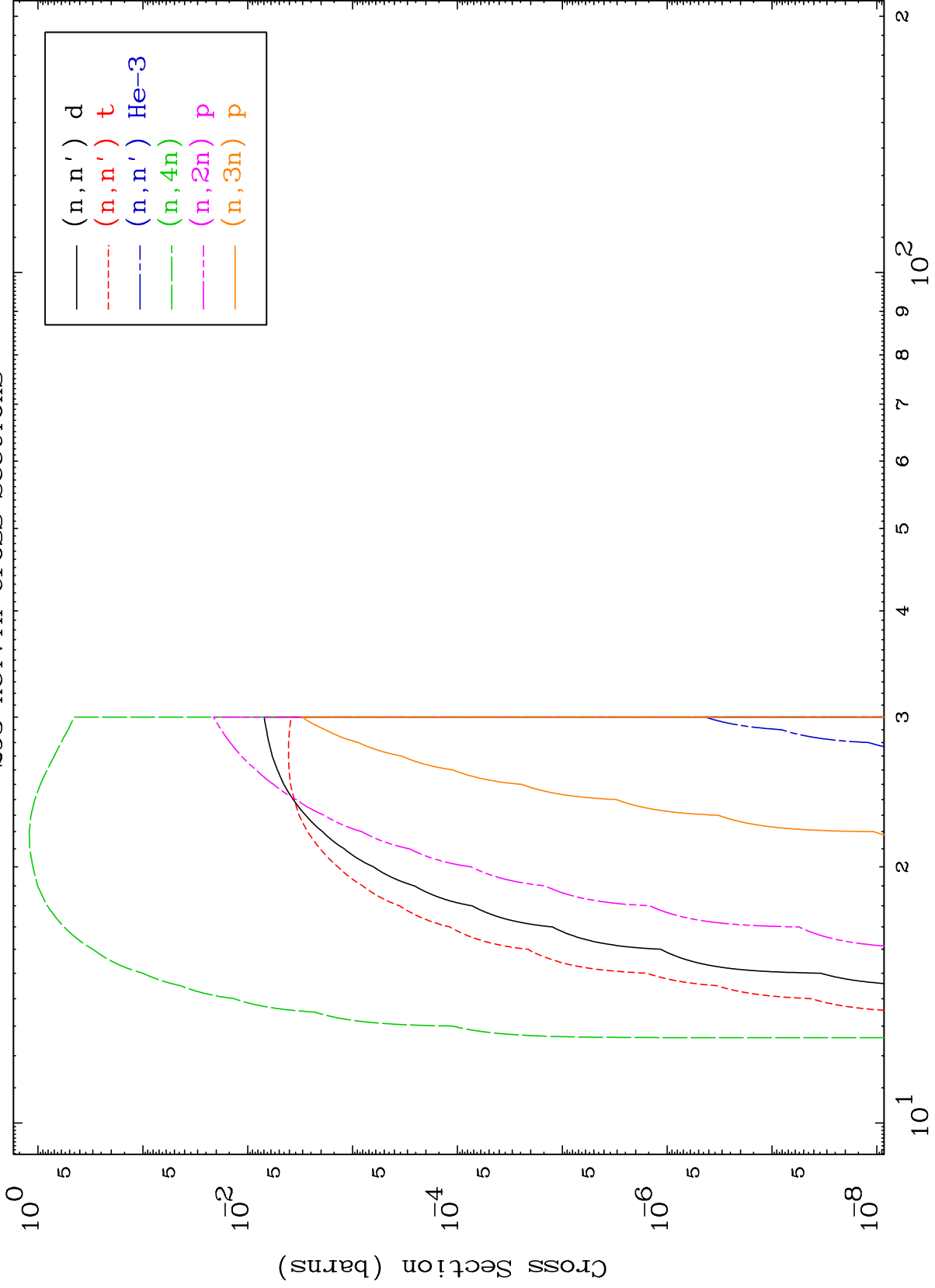
55-Cs-144



2

Incident Energy (MeV)

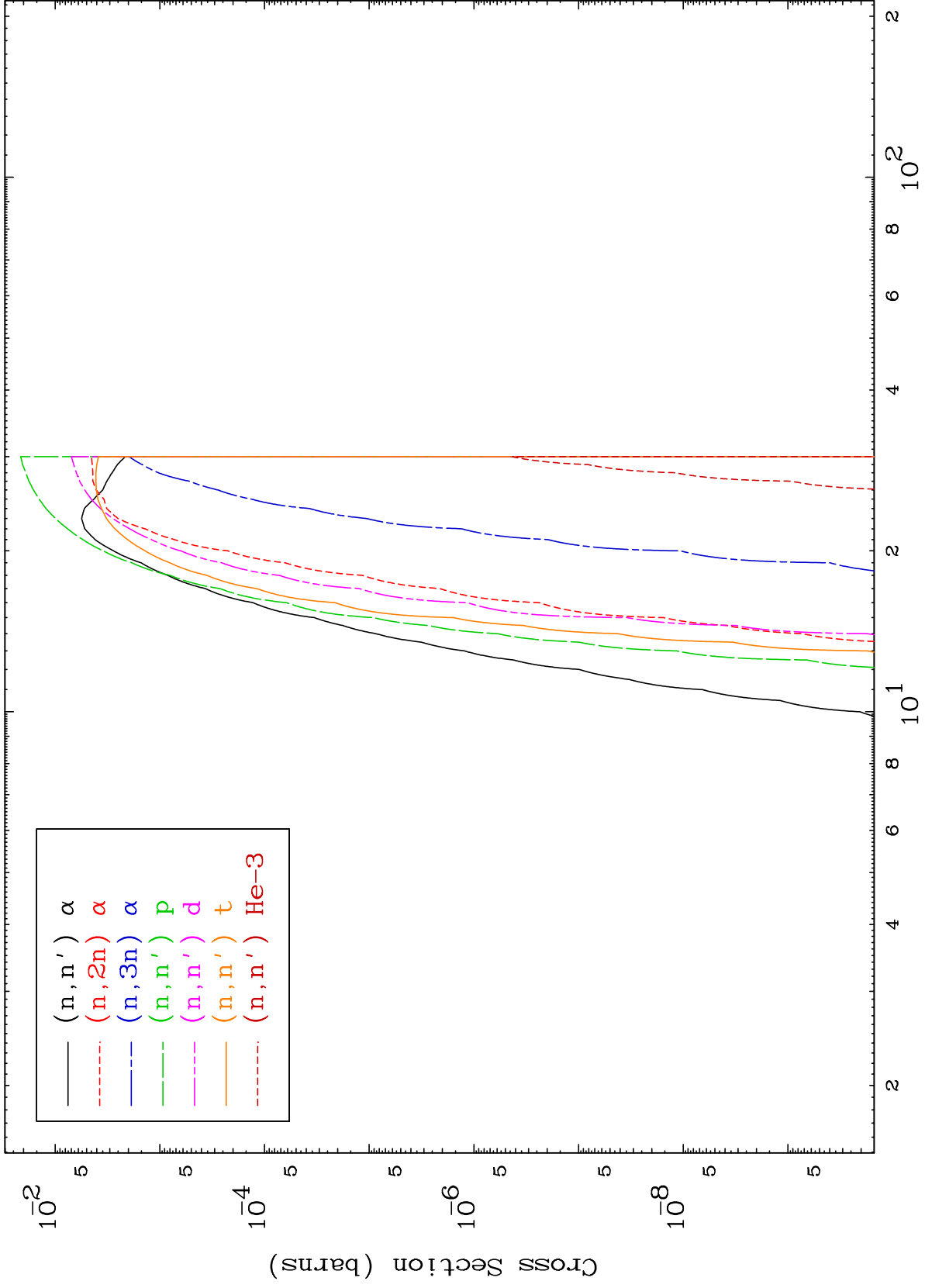
55-Cs-144



MAT 5559

Charged Particle
293 Kelvin Cross Sections

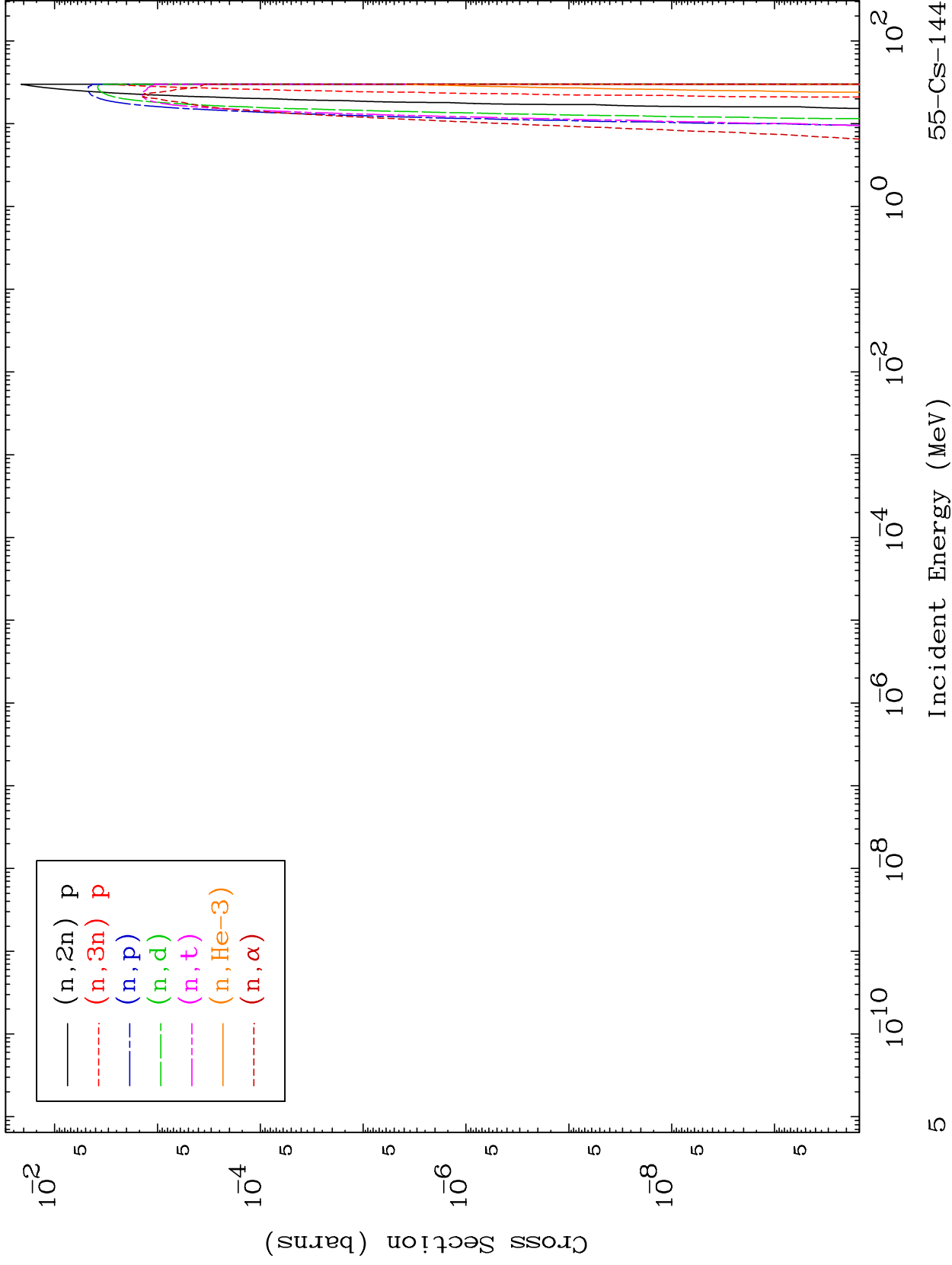
55-Cs-144



MAT 5559

Charged Particle
293 Kelvin Cross Sections

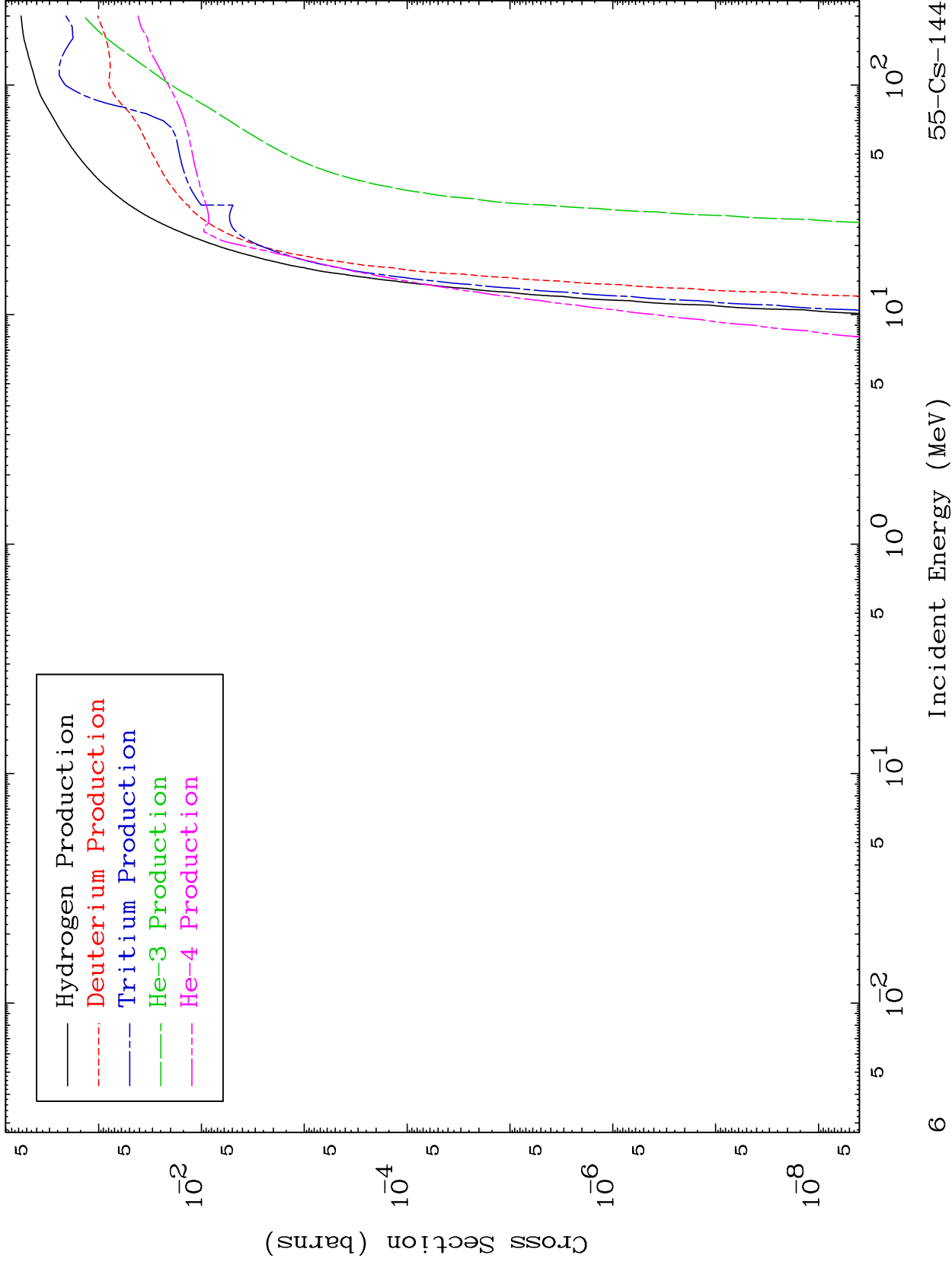
55-Cs-144



MAT 5559

Particle Production
293 Kelvin Cross Sections

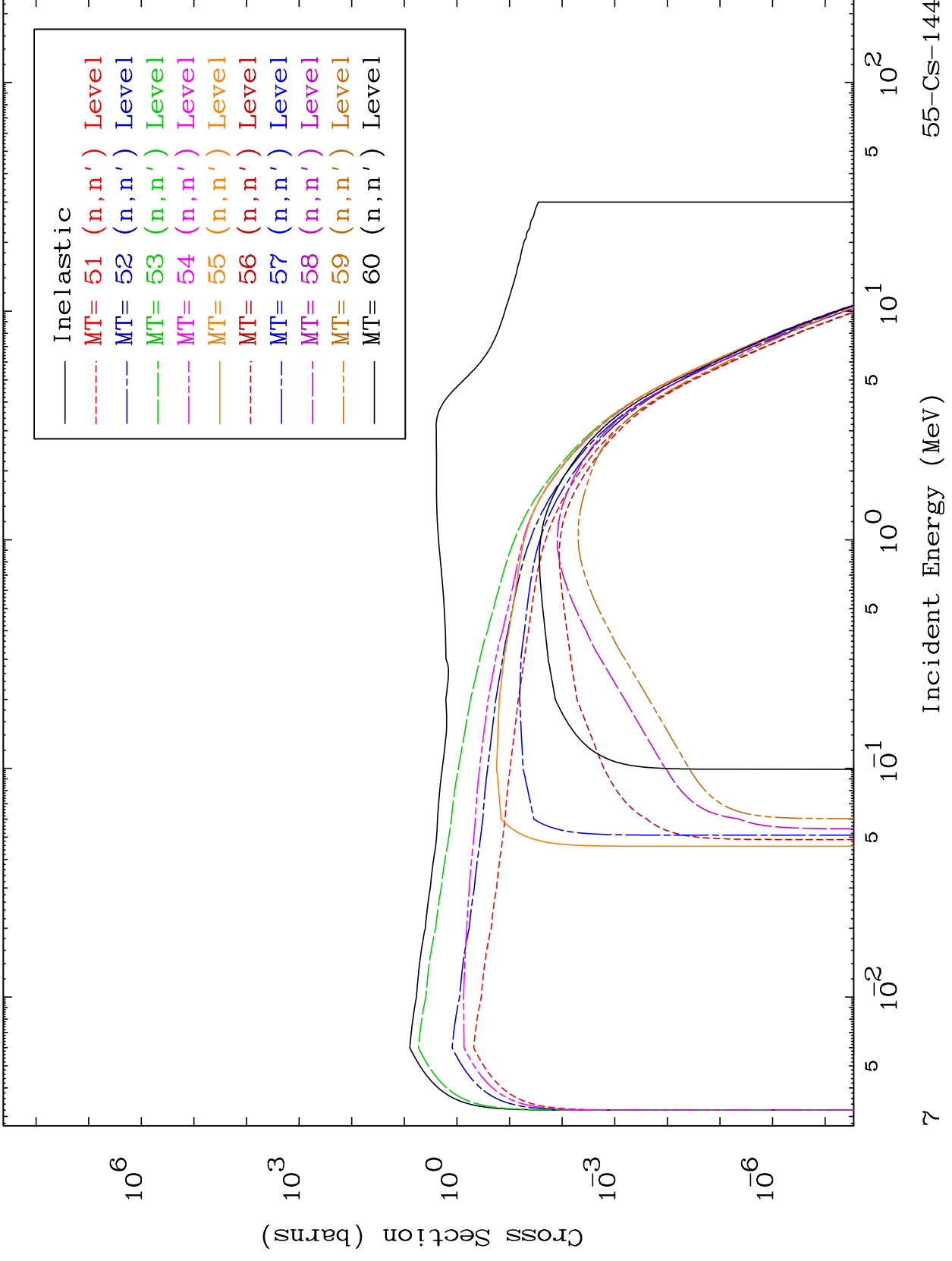
55-Cs-144



6

55-Cs-144

293 Kelvin Cross Sections

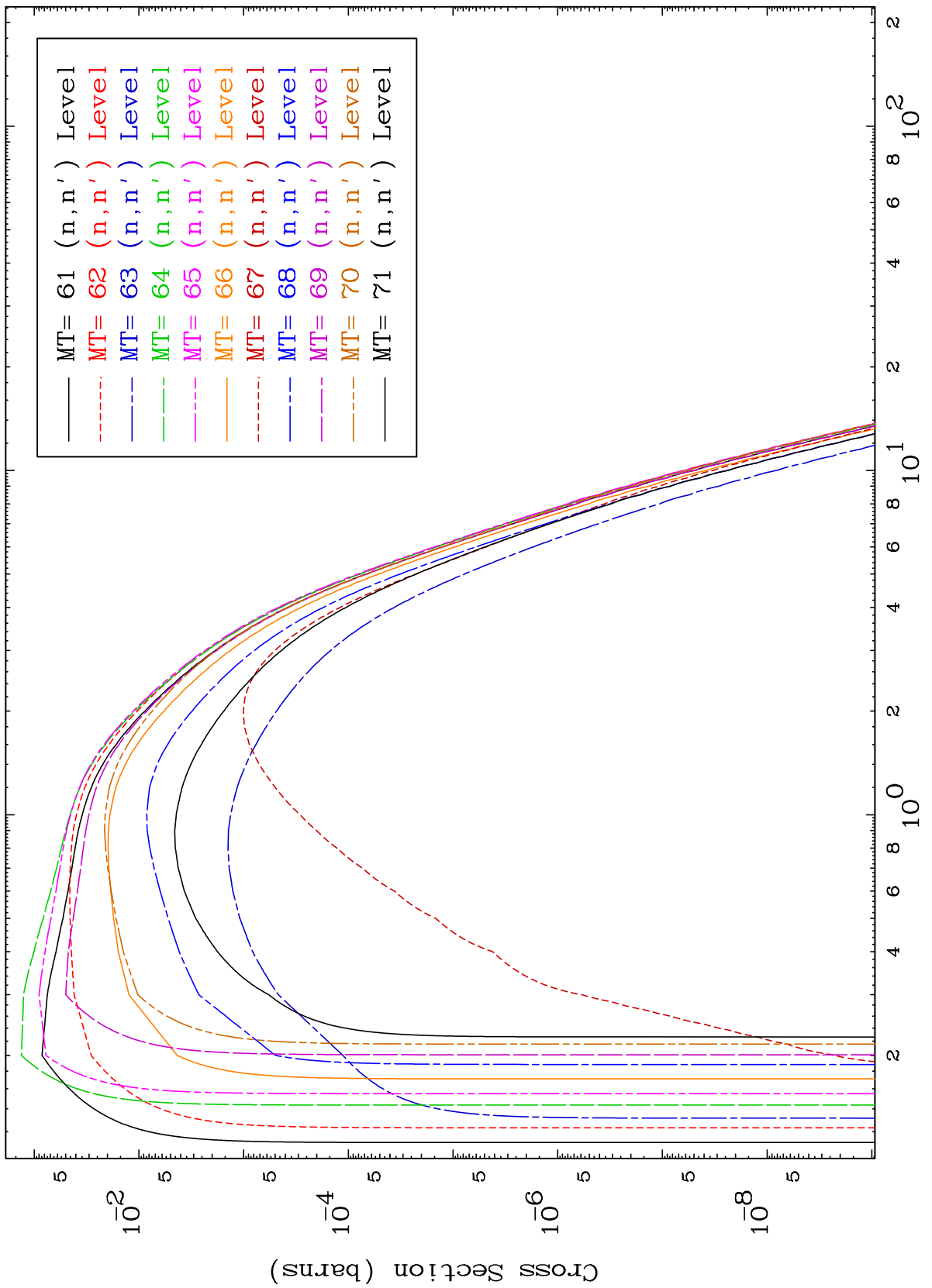


MAT 5559

(n,n') Level

55-Cs-144

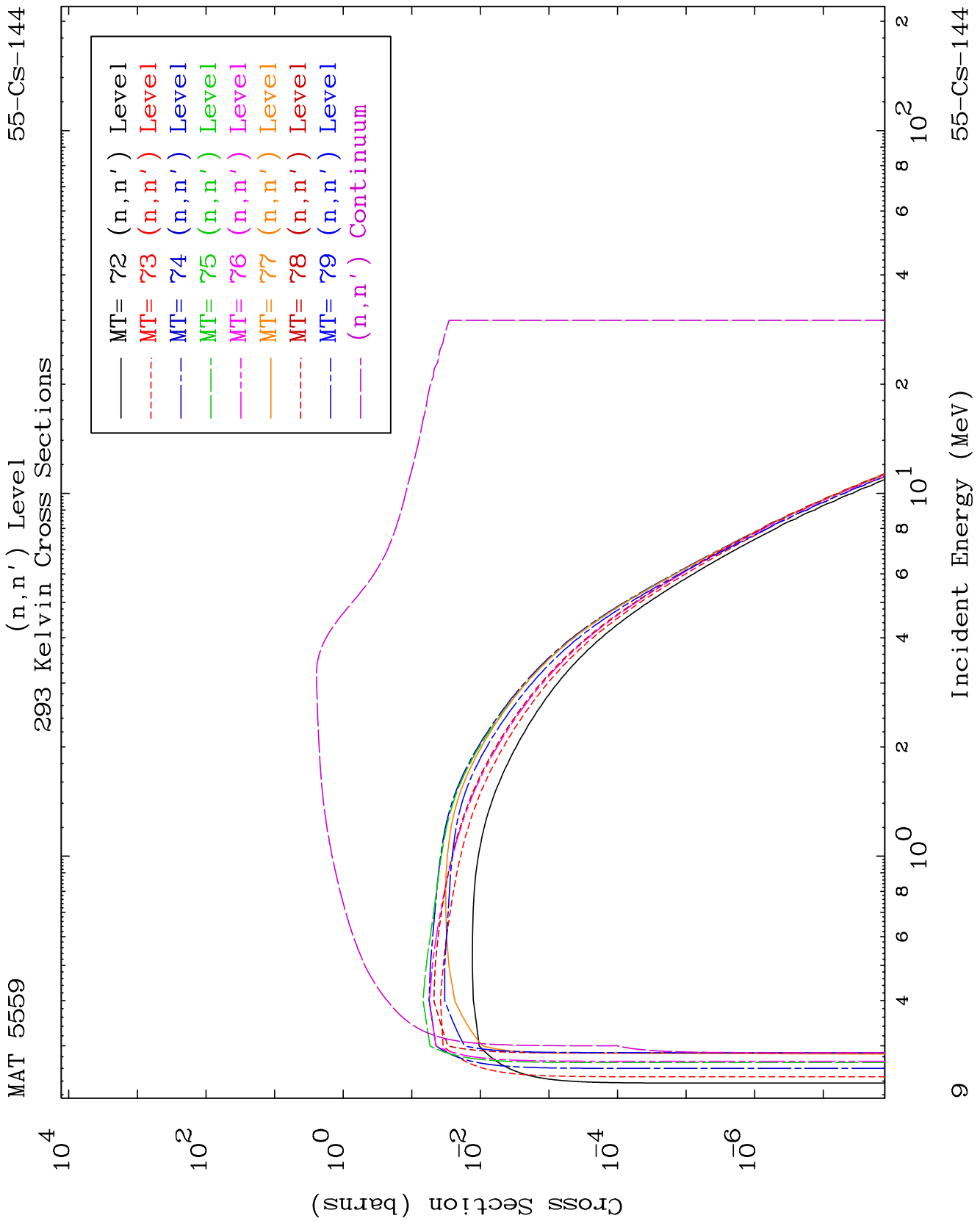
293 Kelvin Cross Sections



8

Incident Energy (MeV)

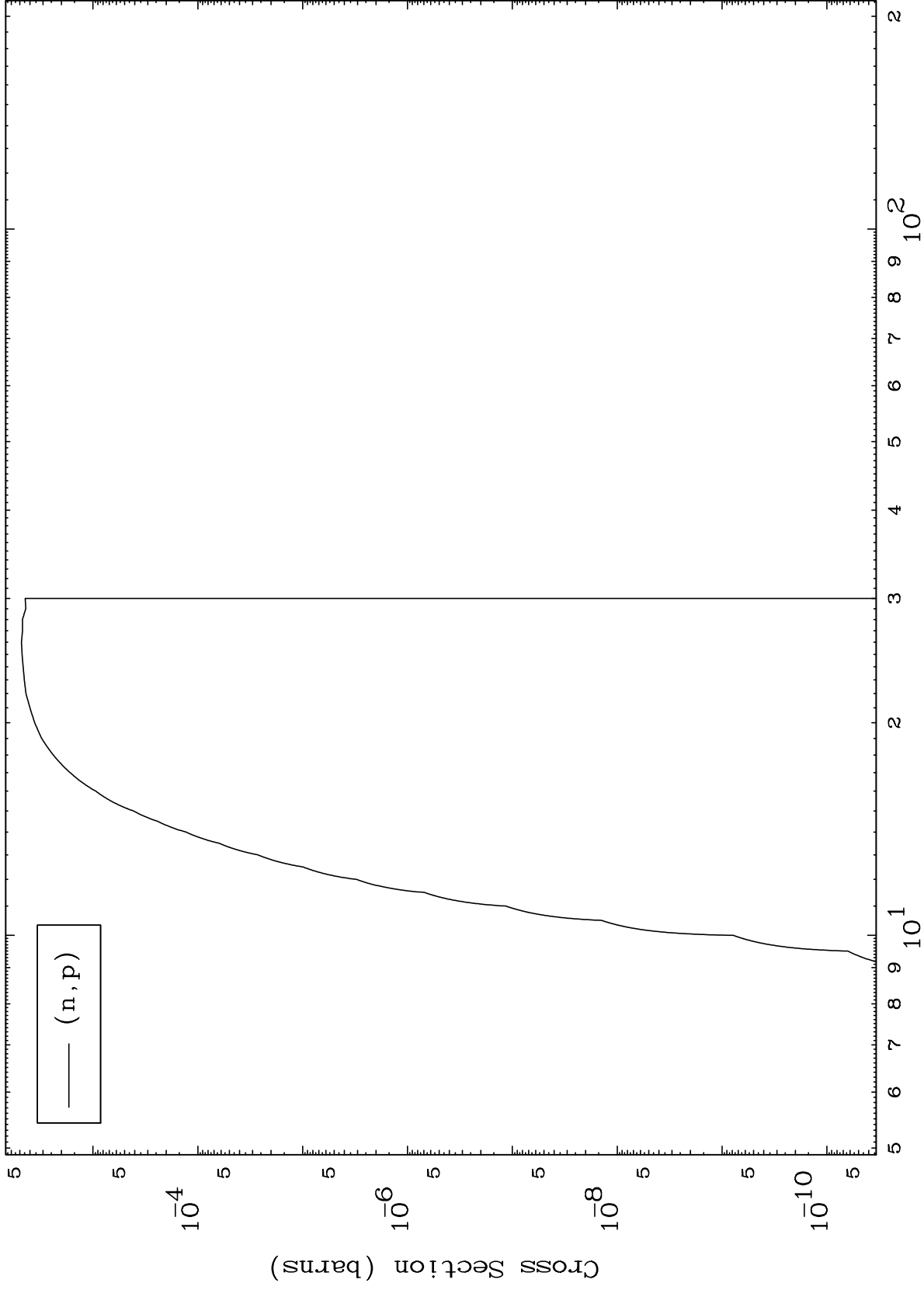
55-Cs-144



MAT 5559

(n,p) Levels
293 Kelvin Cross Sections

55-Cs-144



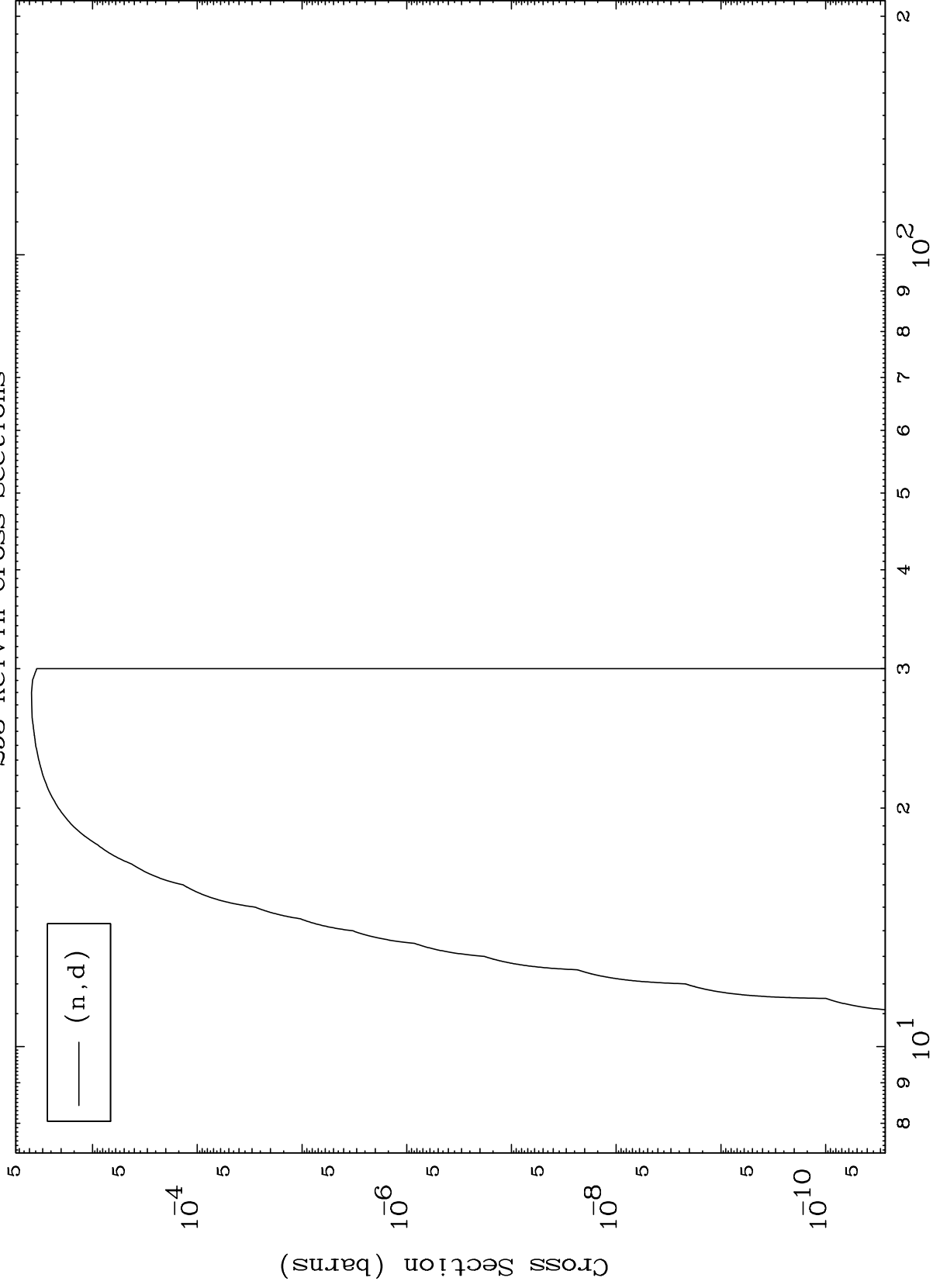
Incident Energy (MeV)

55-Cs-144

MAT 5559

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-144



11

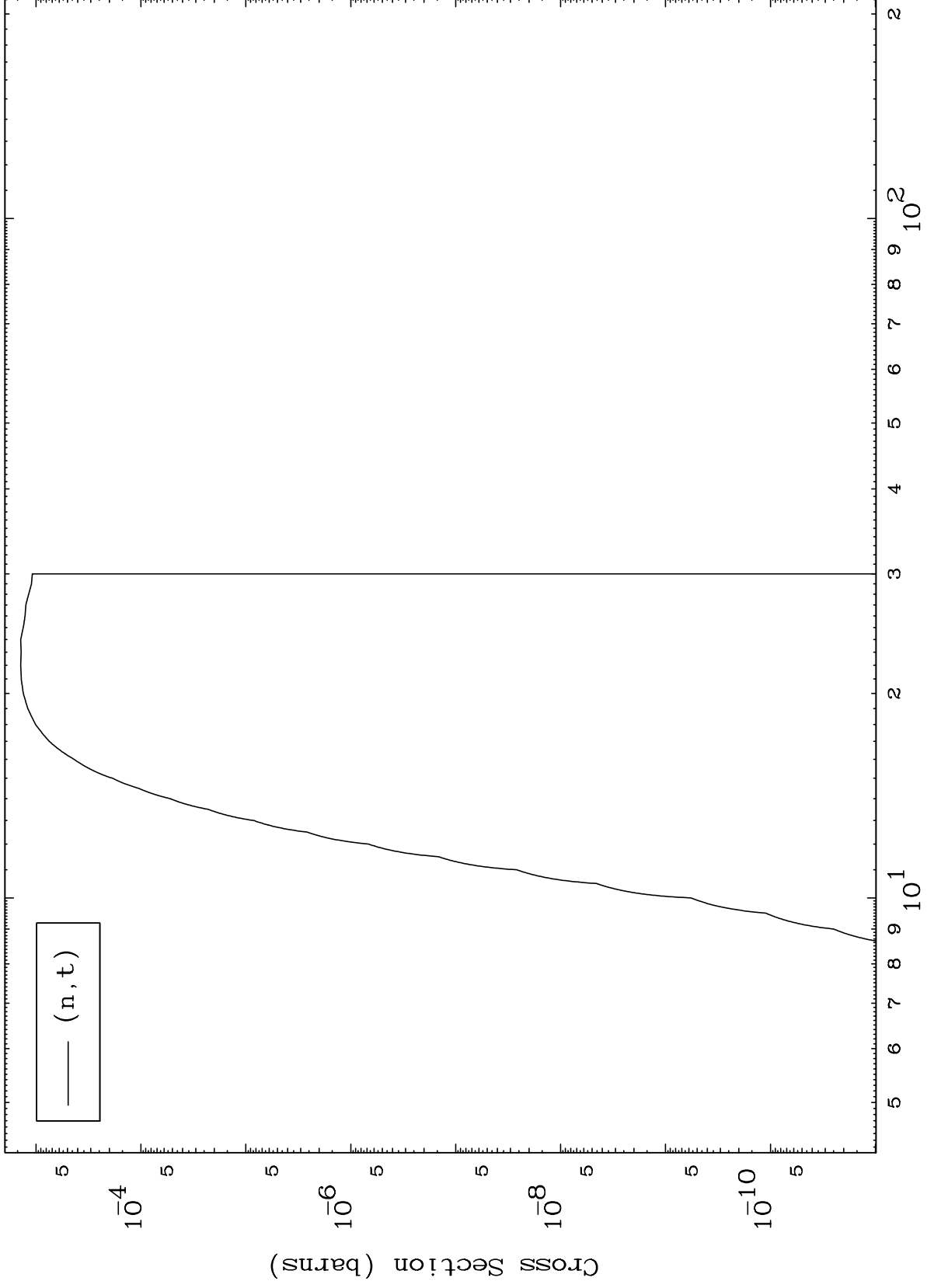
Incident Energy (MeV)

55-Cs-144

MAT 5559

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-144



12

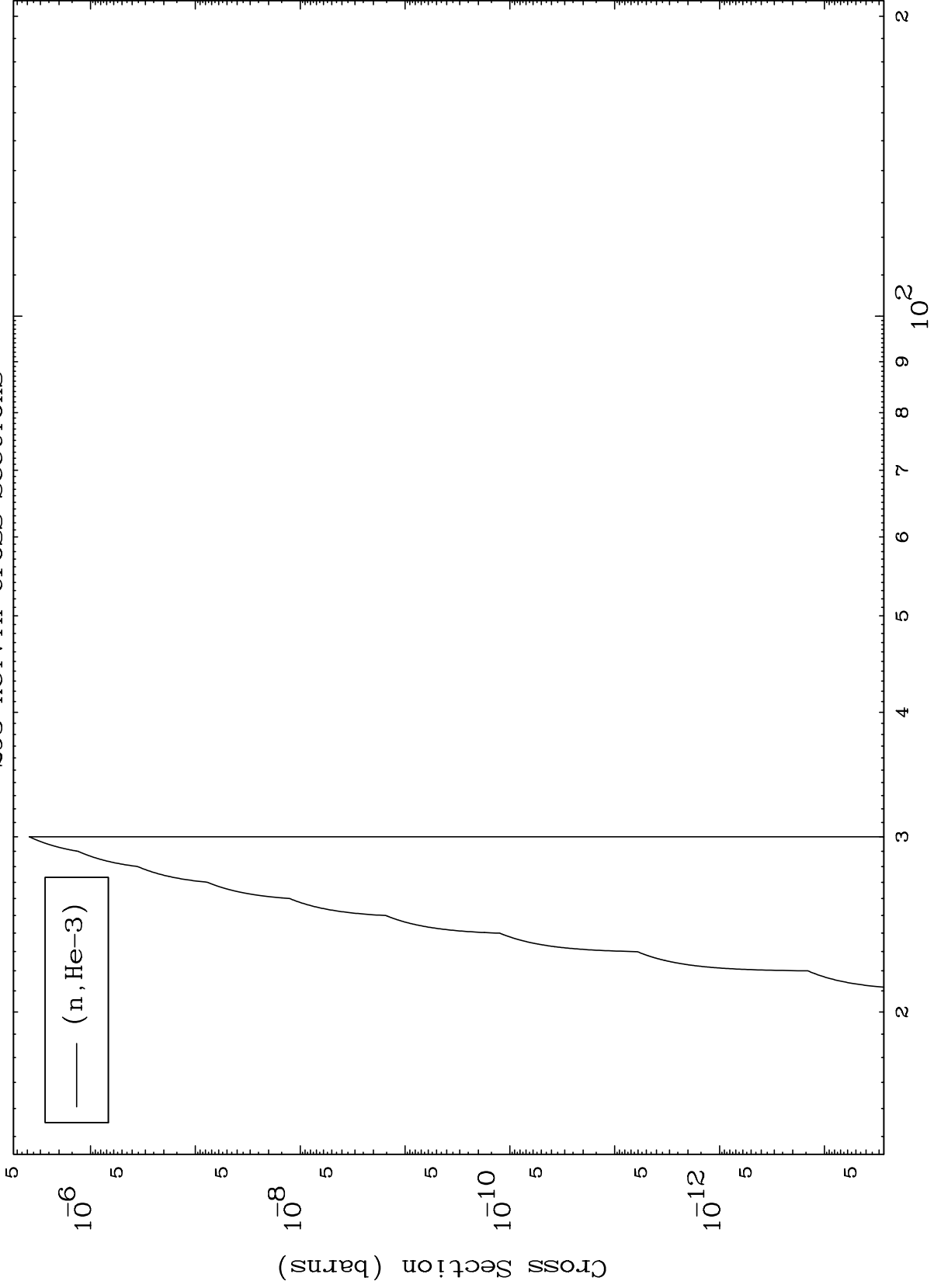
Incident Energy (MeV)

55-Cs-144

MAT 5559

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-144



13

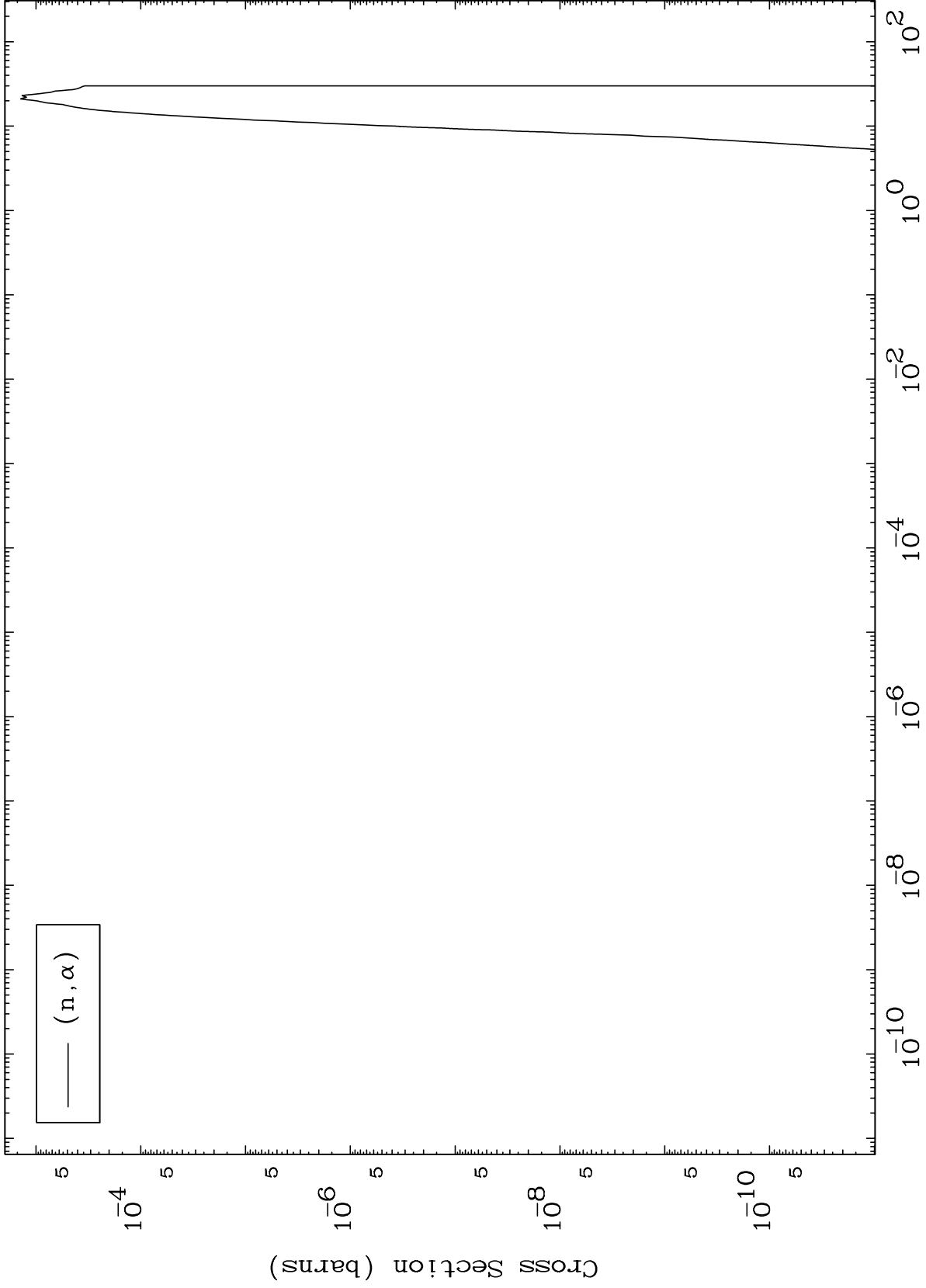
Incident Energy (MeV)

55-Cs-144

MAT 5559

(n, α) Levels
293 Kelvin Cross Sections

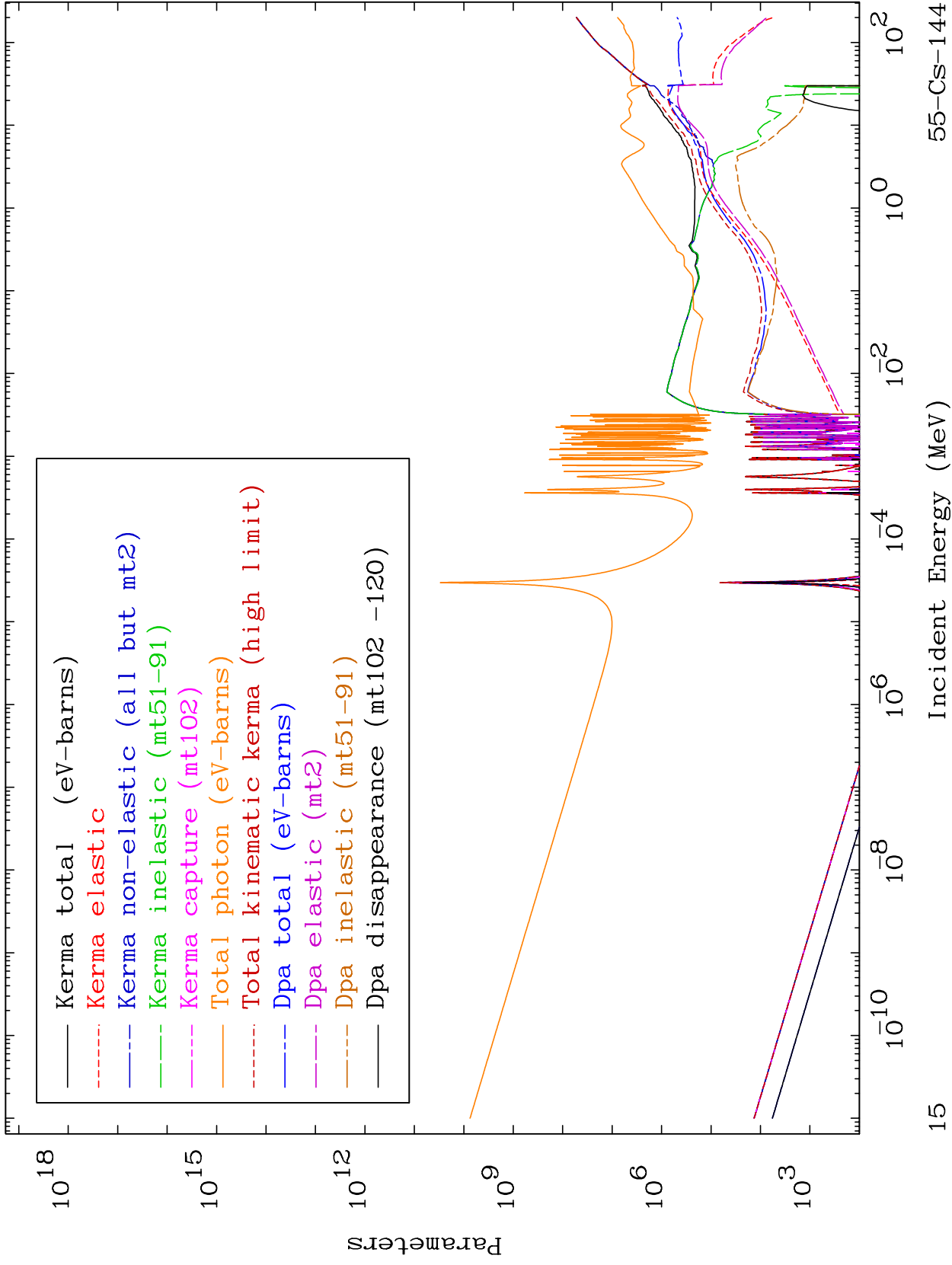
55-Cs-144



14

Incident Energy (MeV)

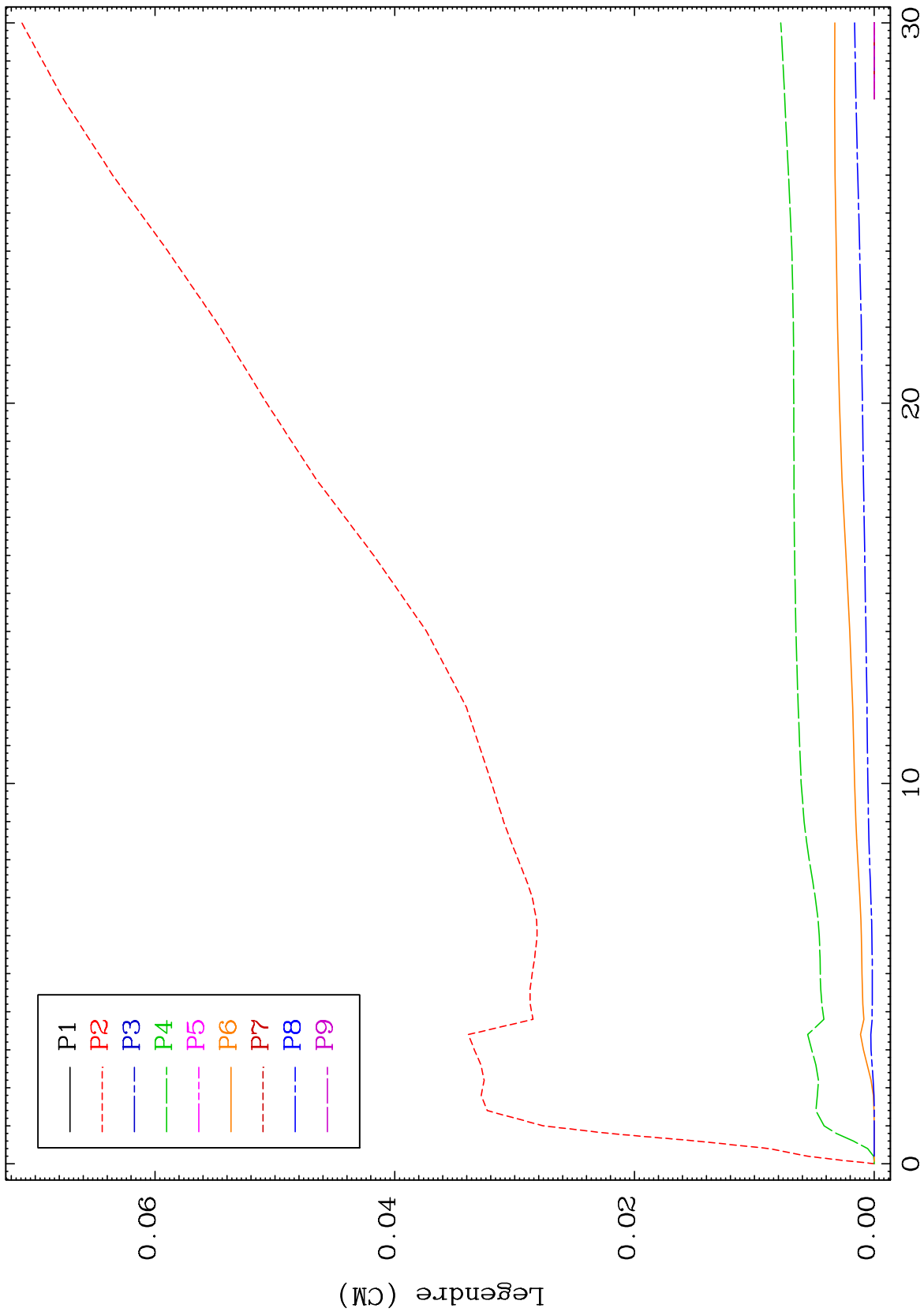
55-Cs-144



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Elastic Legendre Coefficients

55-Cs-144



16

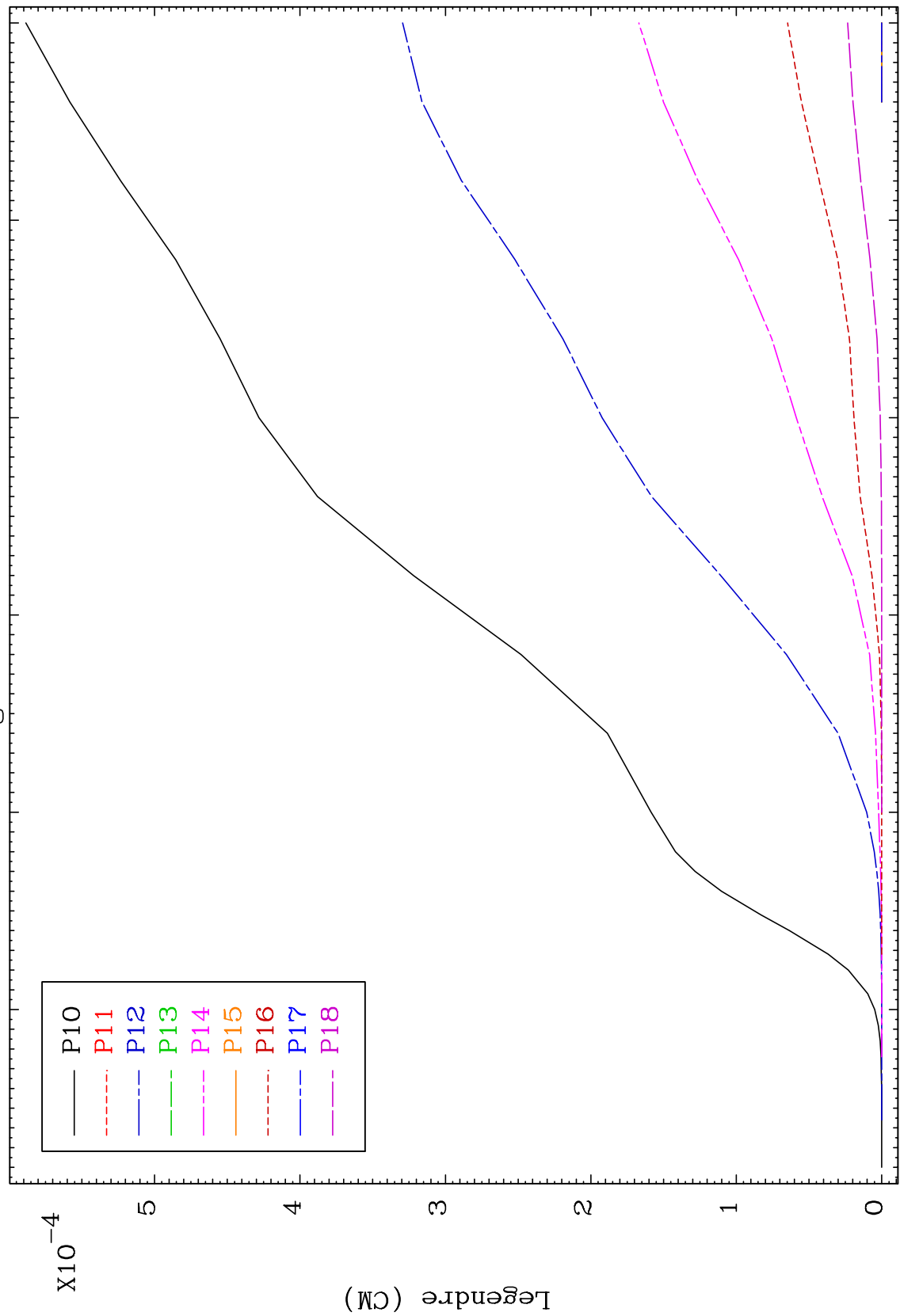
Incident Energy (MeV)

55-Cs-144

MAT 5559

Elastic Legendre Coefficients

55-Cs-144



17

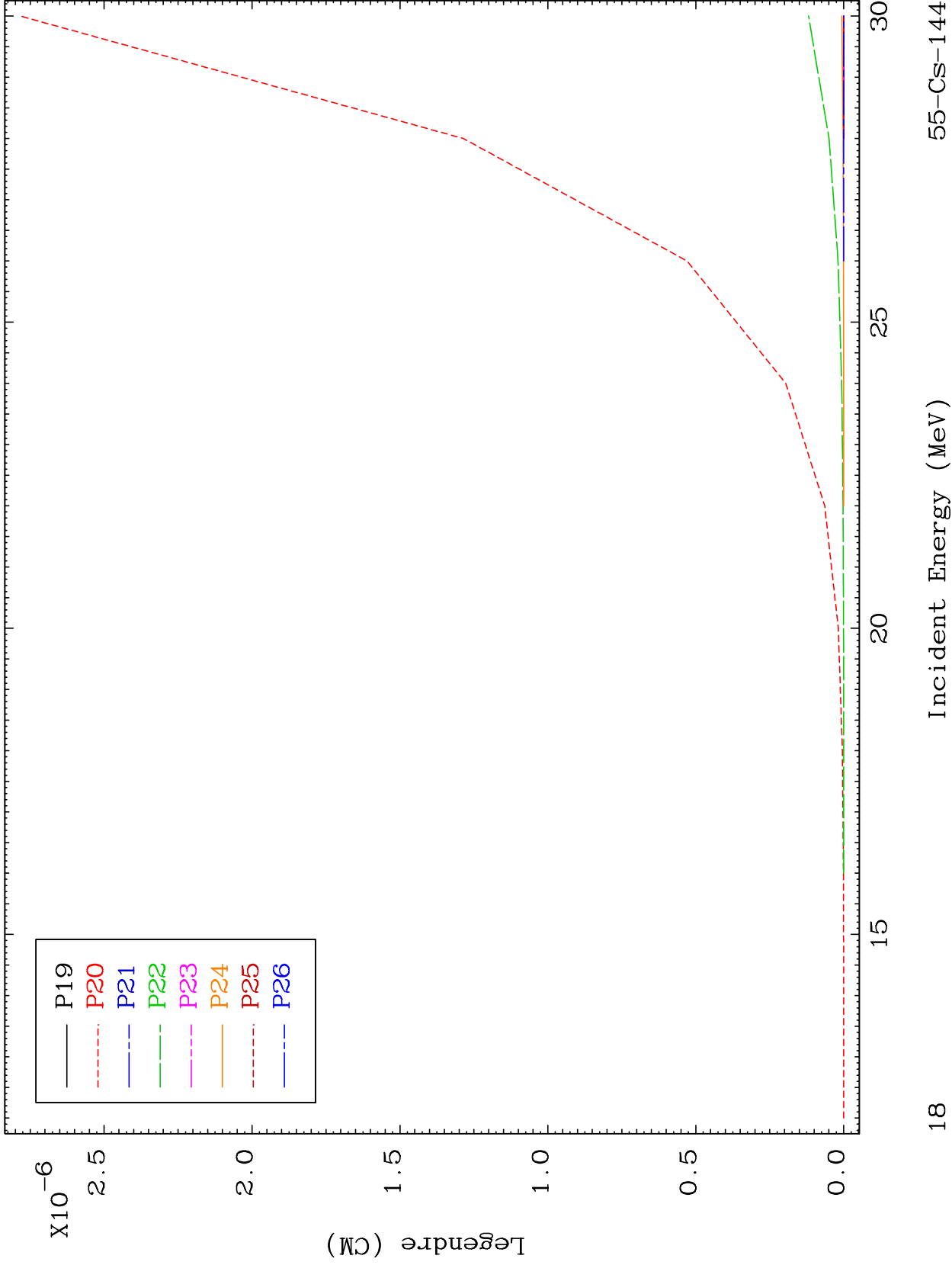
55-Cs-144

Incident Energy (MeV)

MAT 5559

Elastic Legendre Coefficients

55-Cs-144



18

Incident Energy (MeV)

55-Cs-144

15

20

25

30

$\times 10^{-6}$

2.5

2.0

1.5

1.0

0.5

0.0

- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26

MAT 5559

Inelastic
Radionuclide Production Cross Section

55-Cs-144

