

Program EVALPLOT
(Version 2018-1)

by

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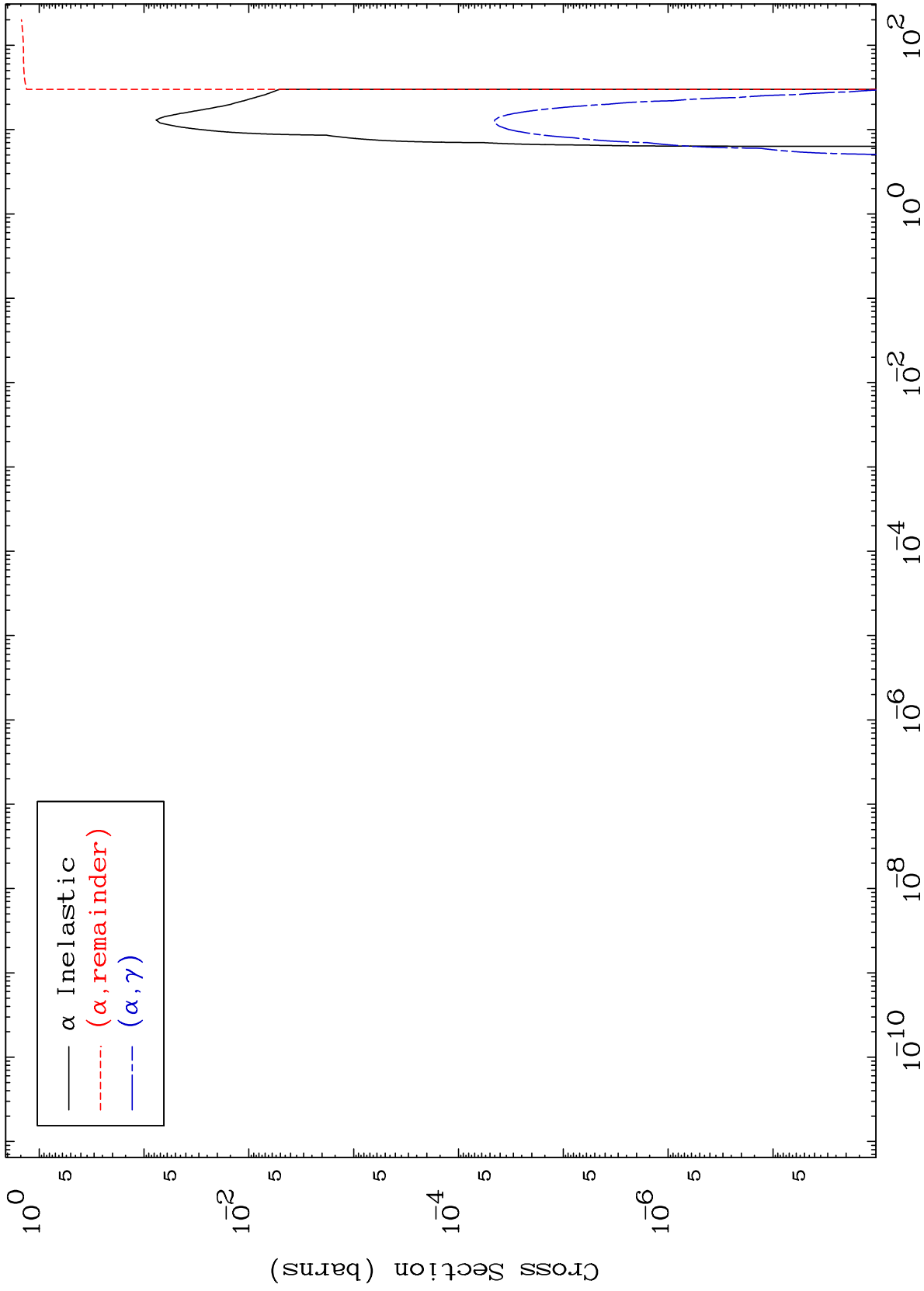
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2513

0 Kelvin α Major
Cross Sections

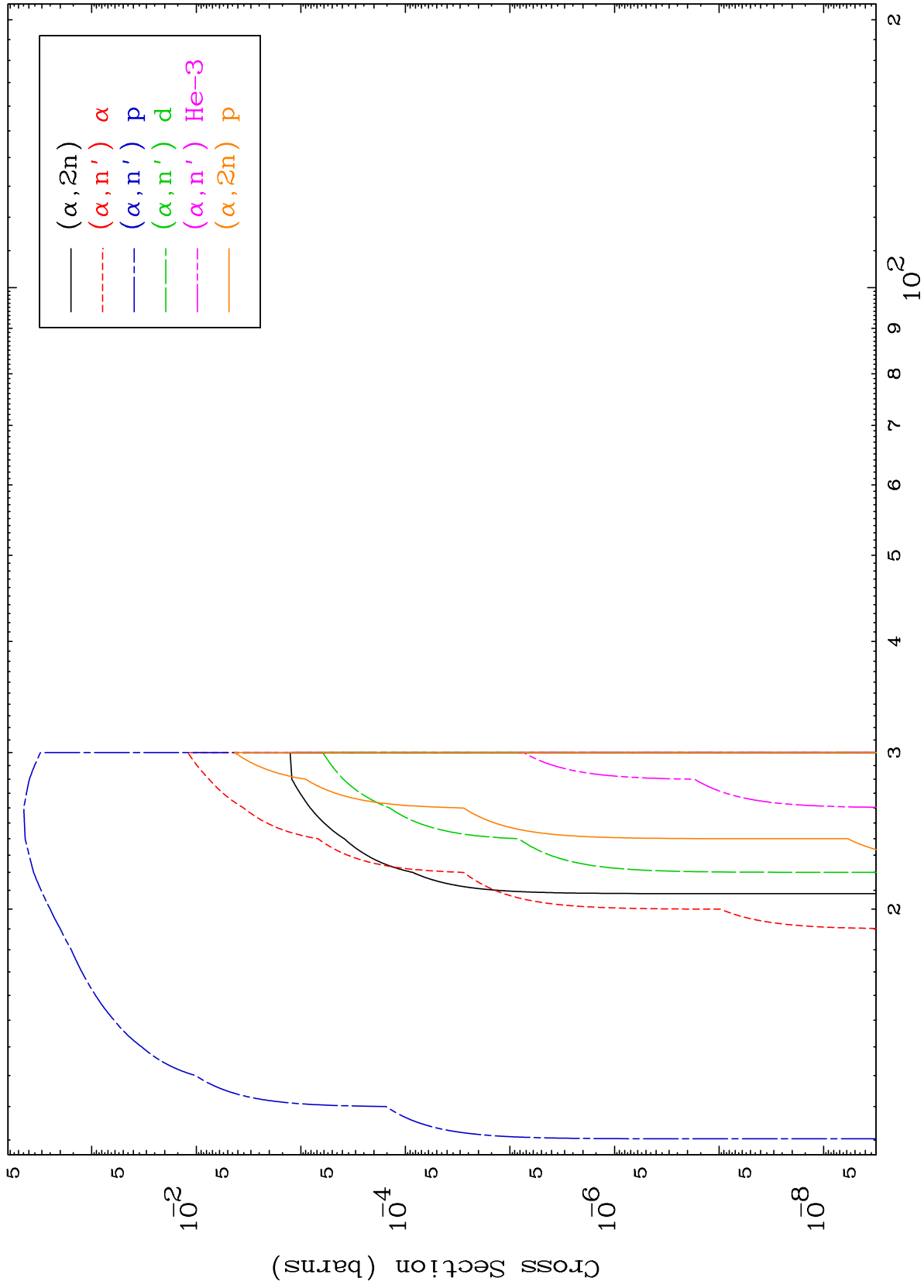
25-Mn-51



MAT 2513

α Neutron Production
0 Kelvin Cross Sections

25-Mn-51



2

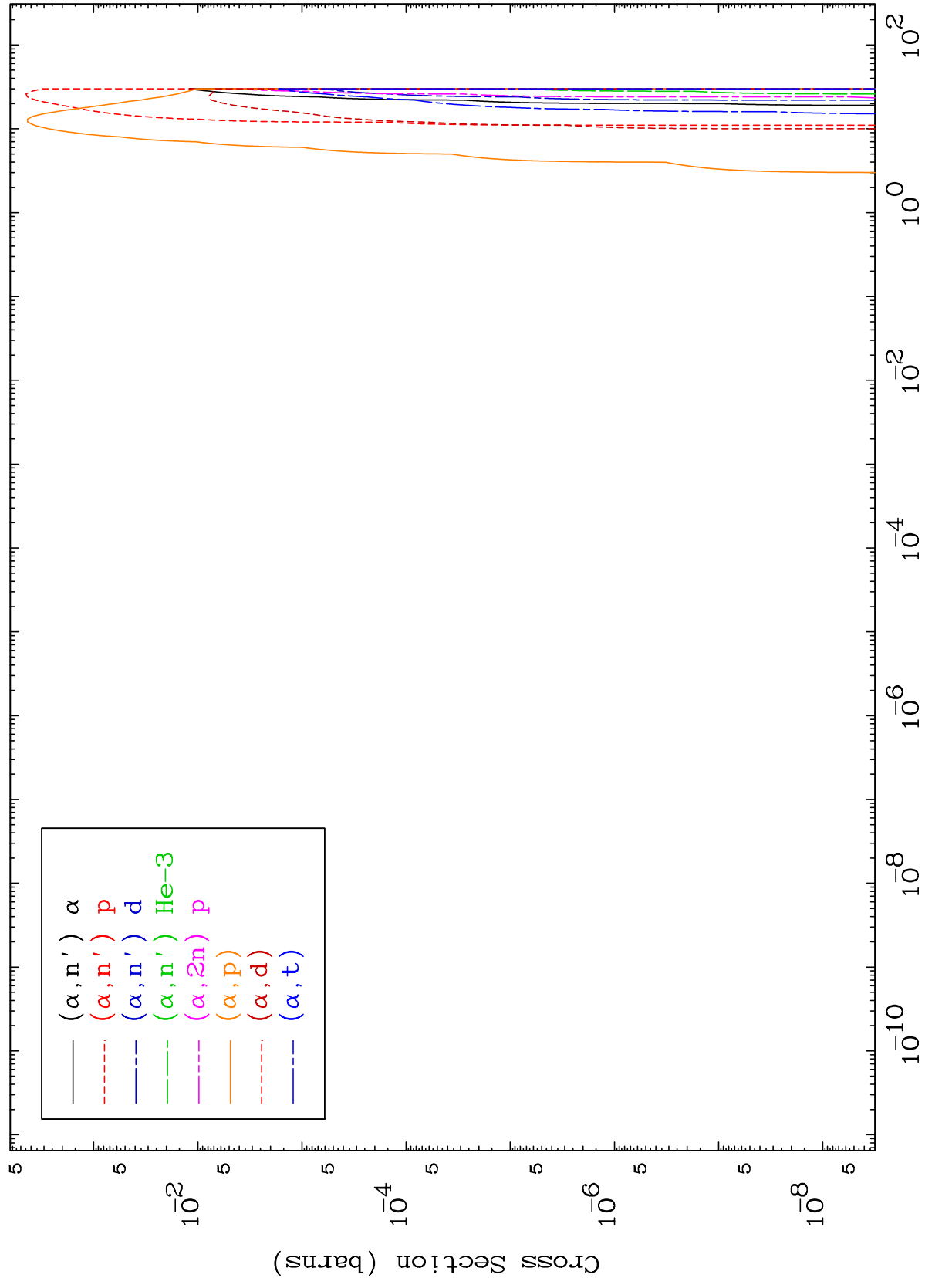
Incident Energy (MeV)

25-Mn-51

MAT 2513

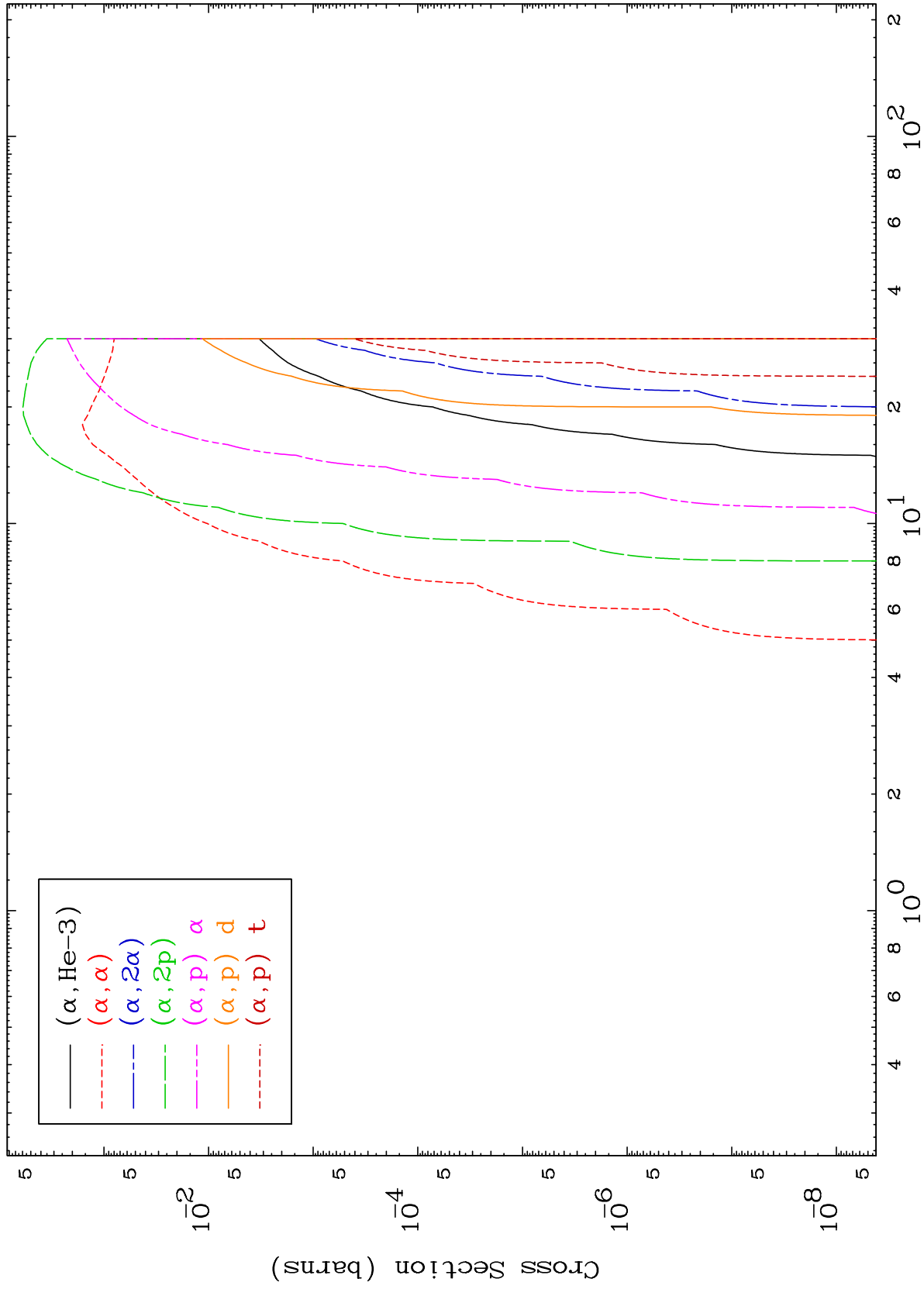
α Charged Particle
0 Kelvin Cross Sections

25-Mn-51



3

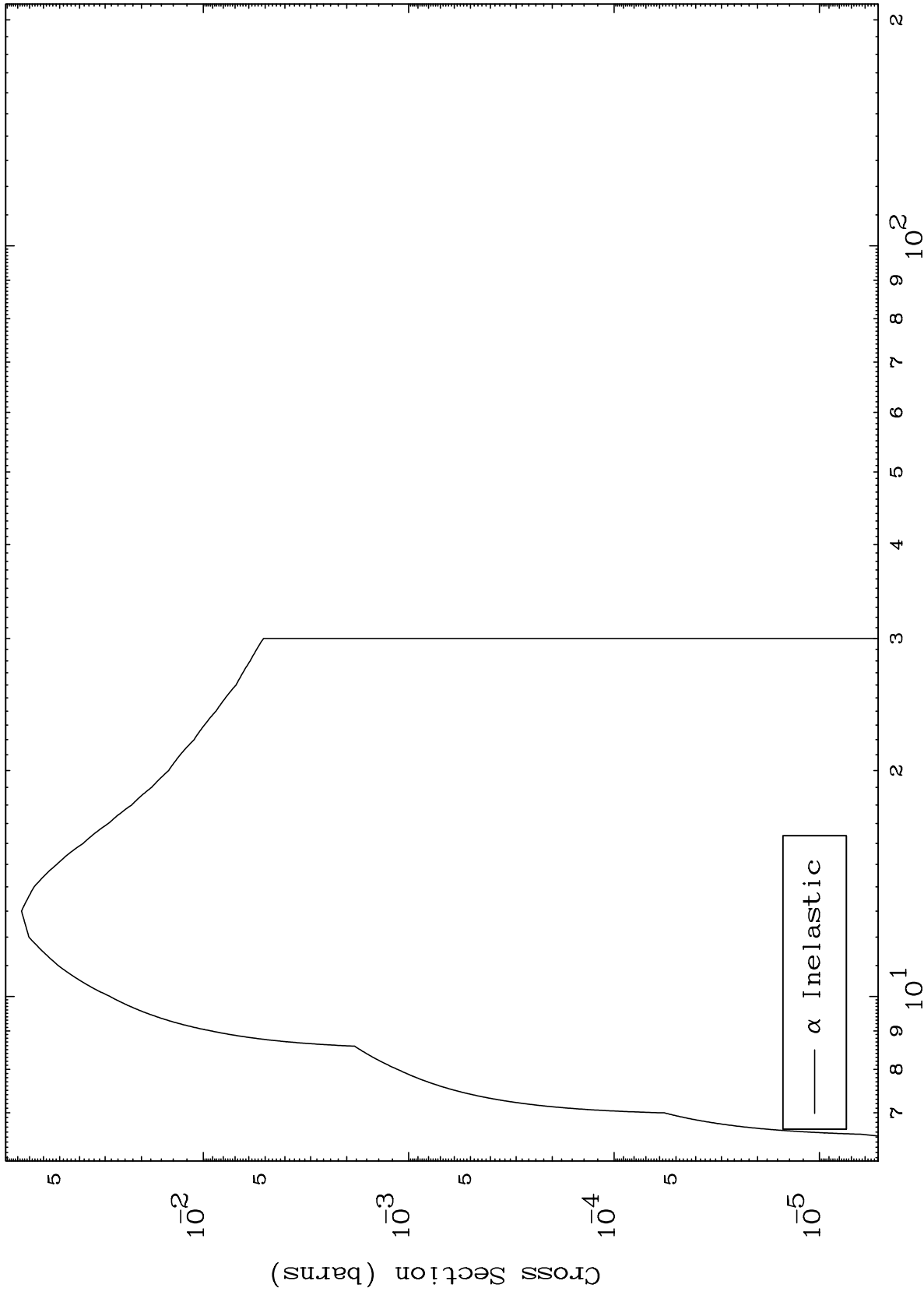
25-Mn-51



MAT 2513

(α, n') Level
0 Kelvin Cross Sections

25-Mn-51



5

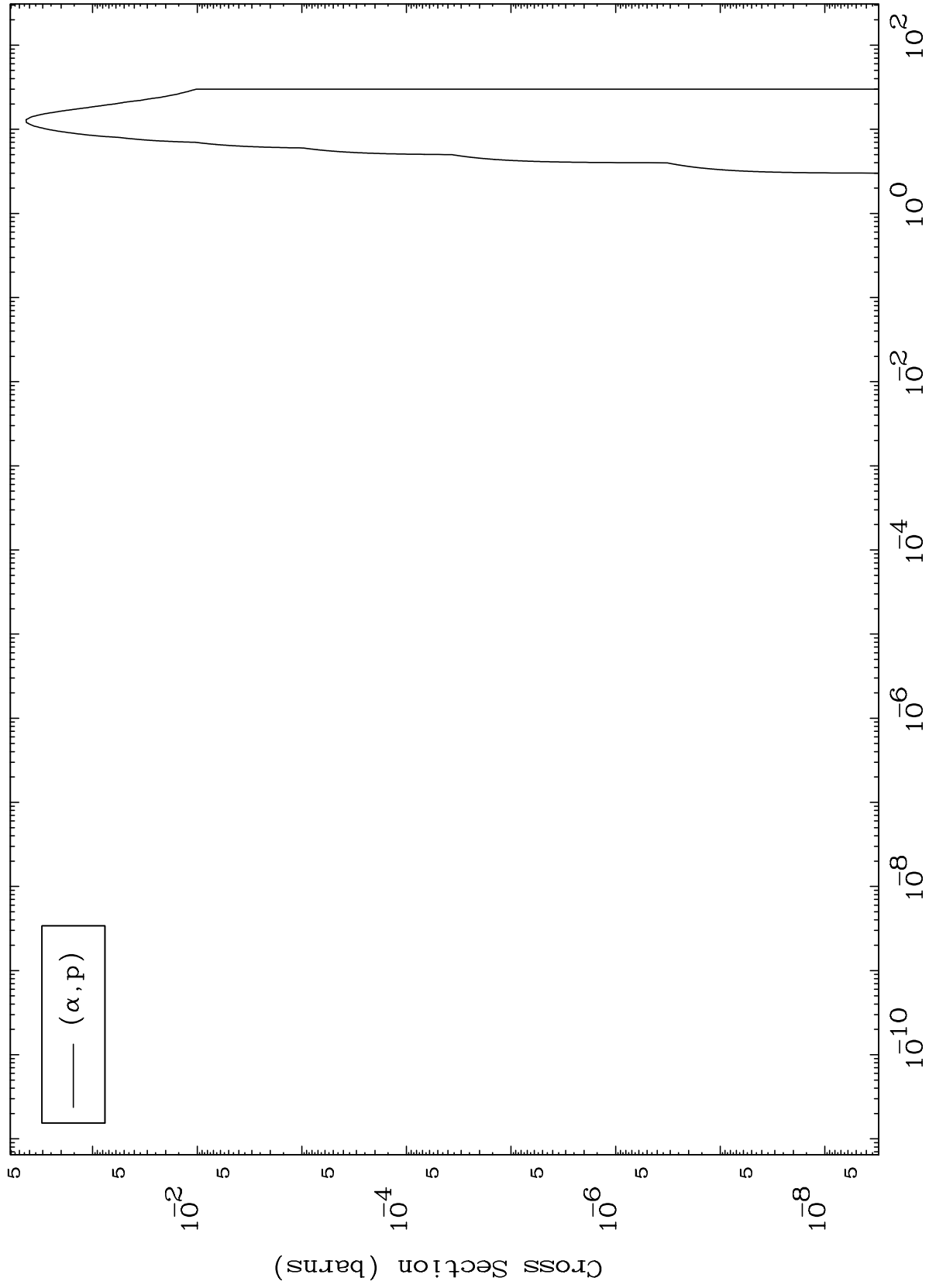
Incident Energy (MeV)

25-Mn-51

MAT 2513

(α, p) Levels
0 Kelvin Cross Sections

25-Mn-51



6

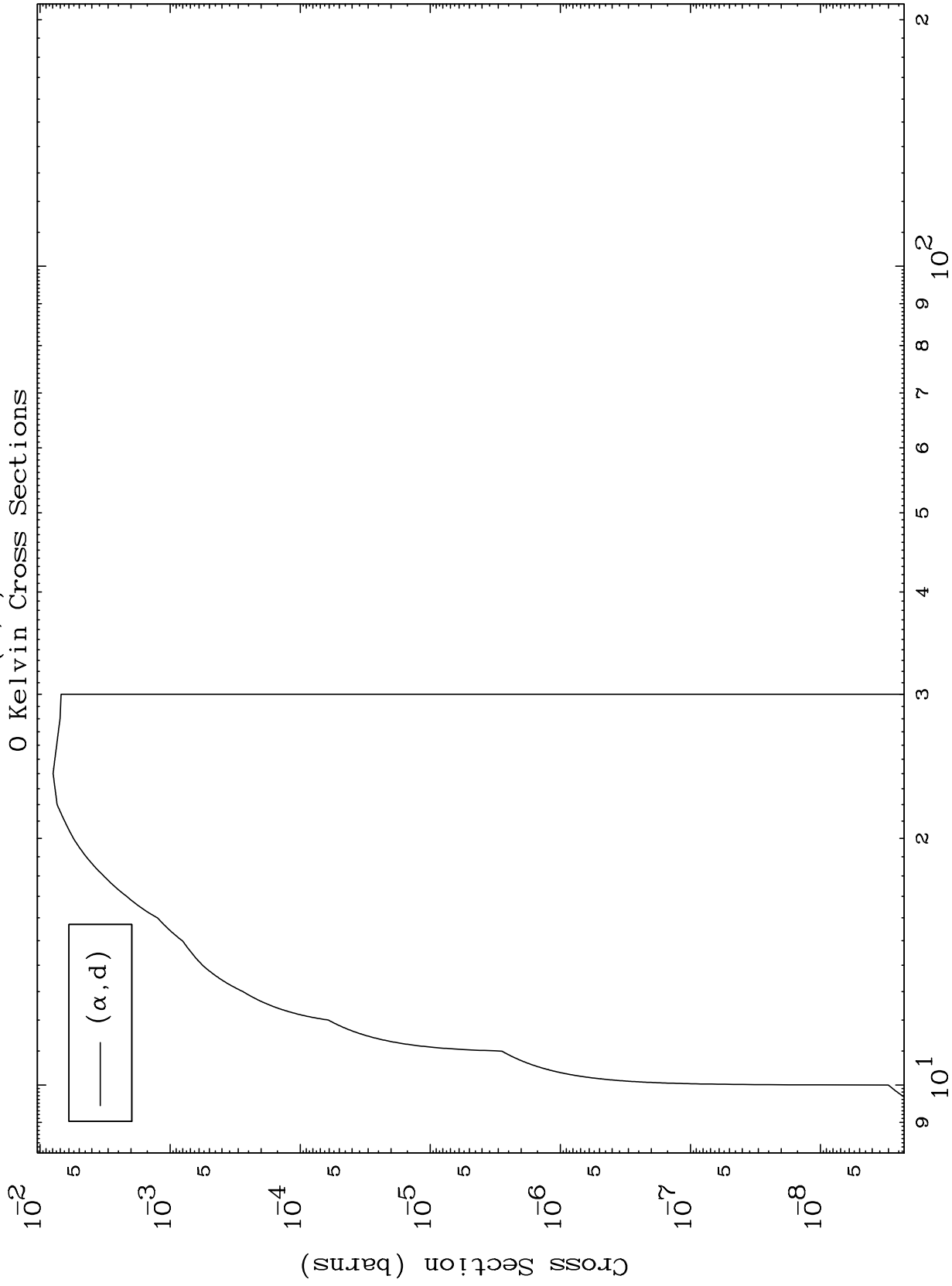
Incident Energy (MeV)

25-Mn-51

MAT 2513

(α, d) Levels
0 Kelvin Cross Sections

²⁵Mn-51



7

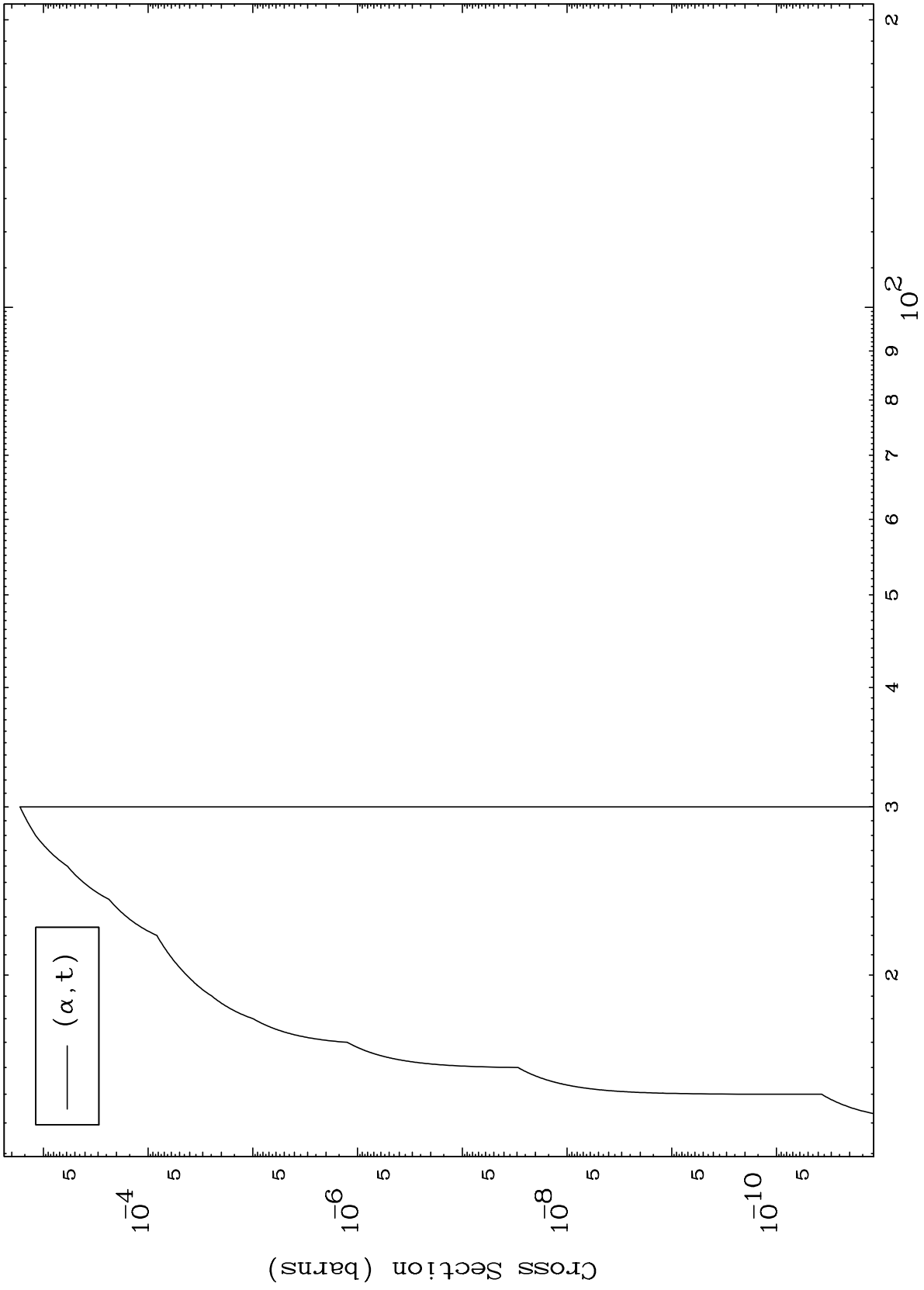
Incident Energy (MeV)

²⁵Mn-51

MAT 2513

(α, t) Levels
0 Kelvin Cross Sections

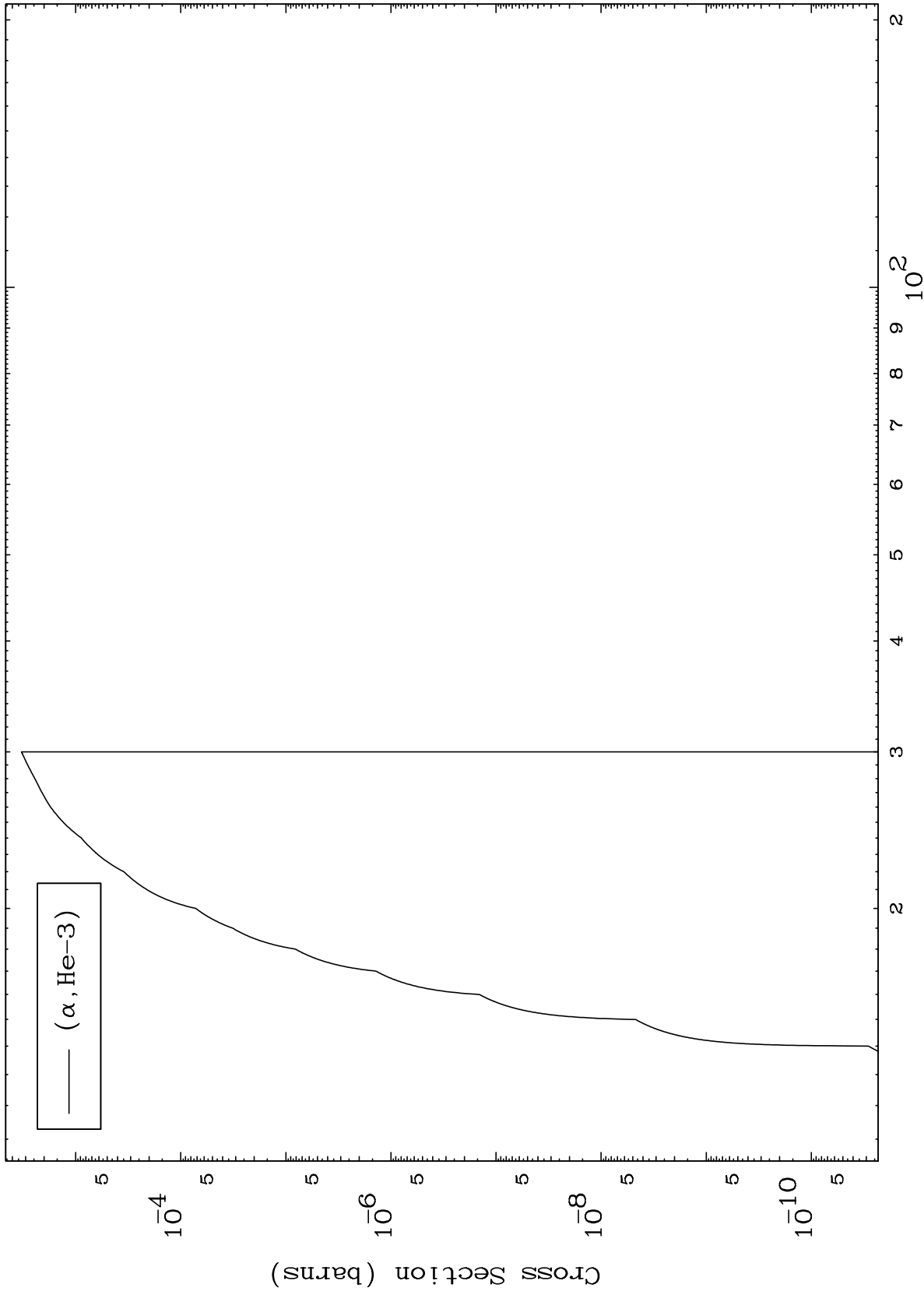
25-Mn-51



8

Incident Energy (MeV)

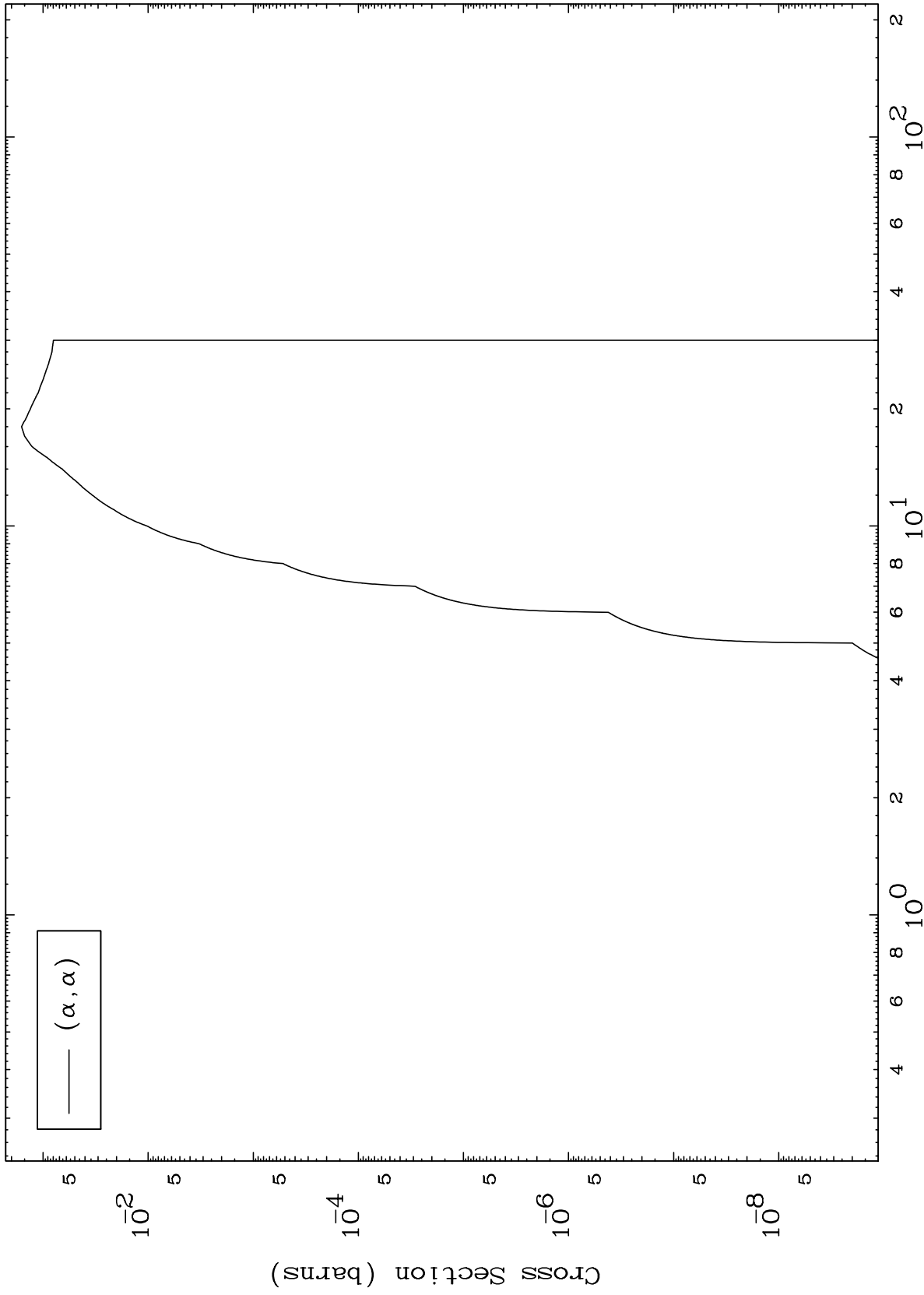
25-Mn-51



MAT 2513

(α, α) Levels
0 Kelvin Cross Sections

25-Mn-51



10

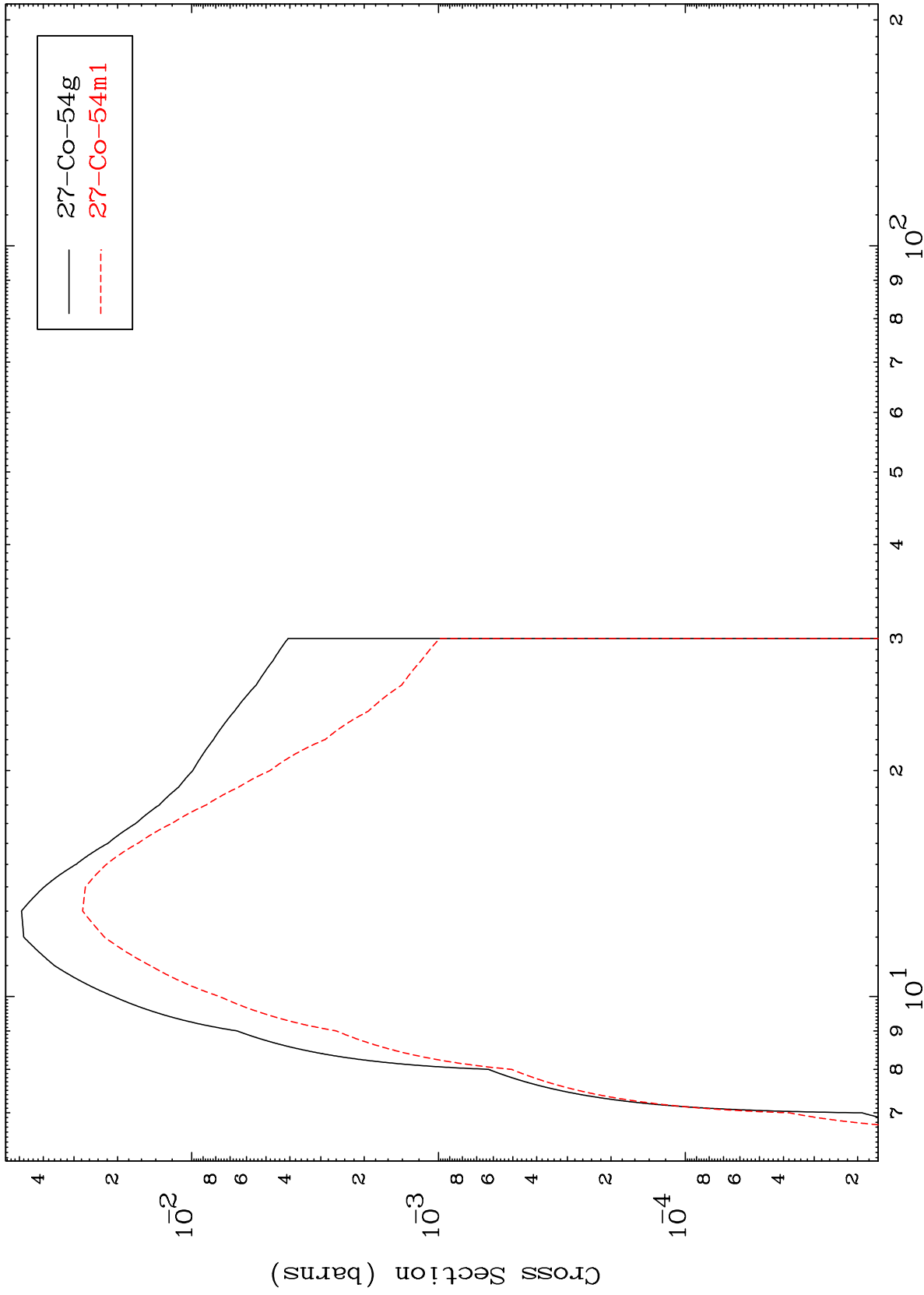
Incident Energy (MeV)

25-Mn-51

MAT 2513

α Inelastic
Radionuclide Production Cross Section

25-Mn-51



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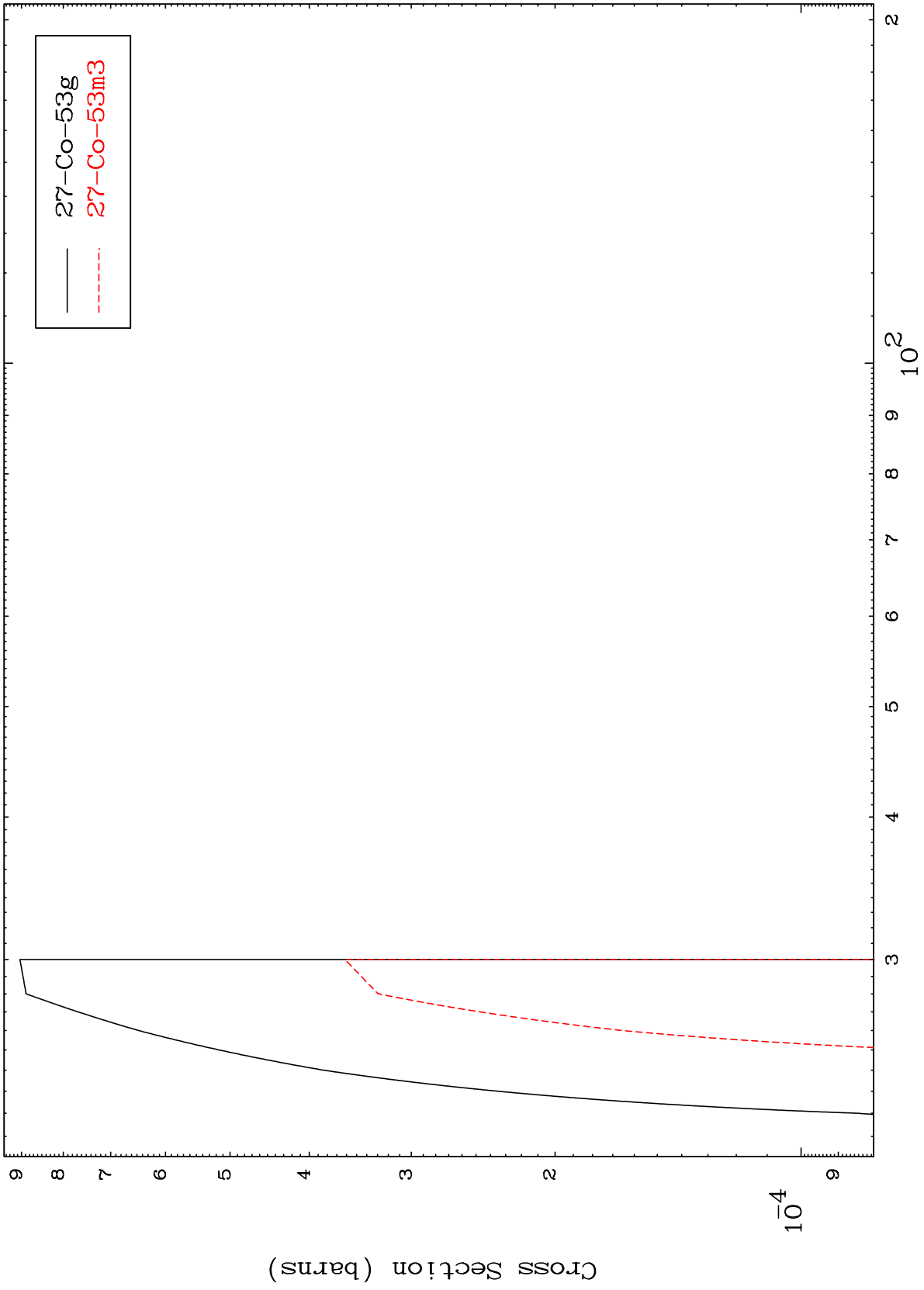
Incident Energy (MeV)

25-Mn-51

MAT 2513

²⁵Mn-51

($\alpha, 2n$)
Radionuclide Production Cross Section



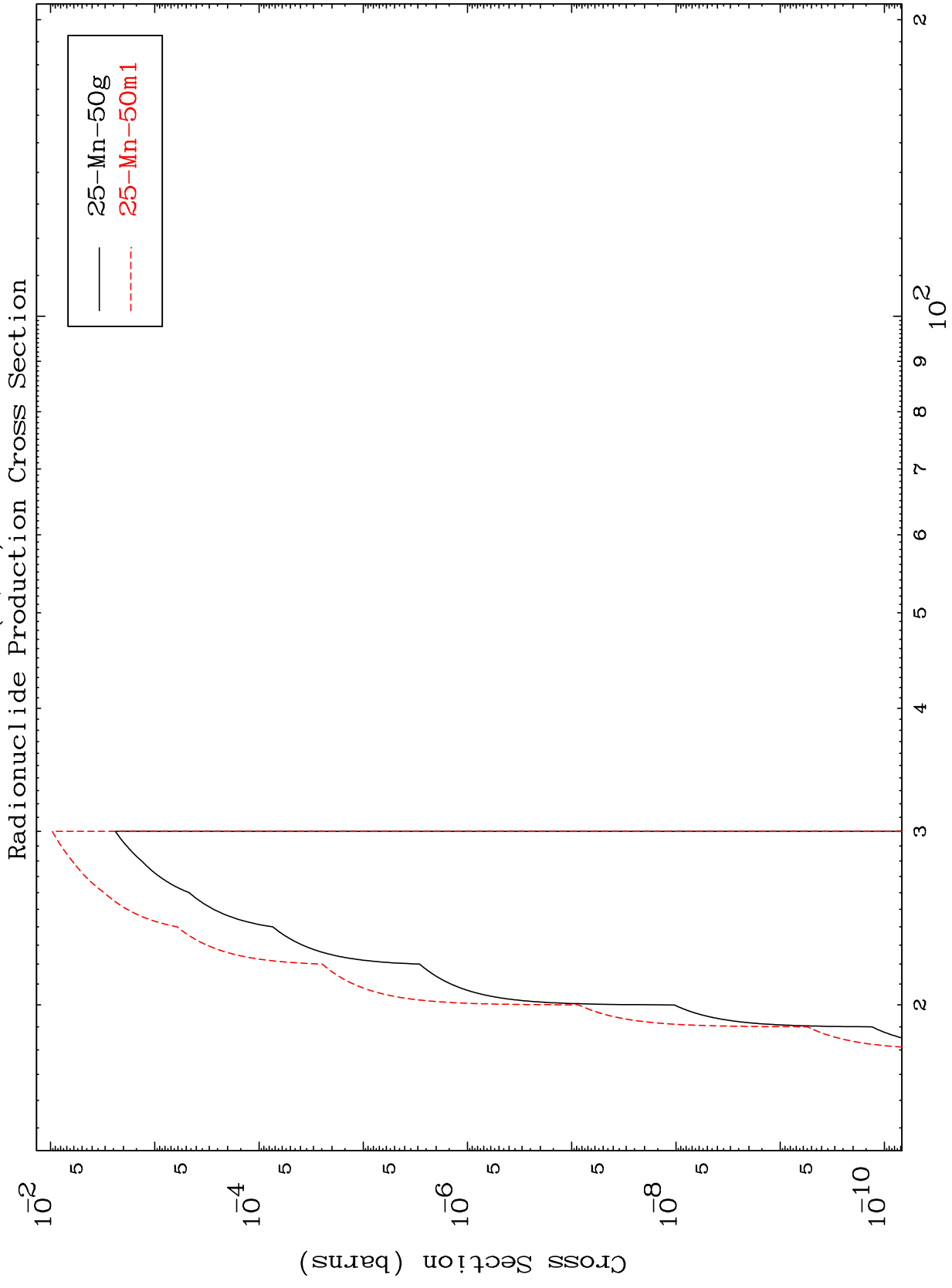
12

²⁵Mn-51

MAT 2513

(α, n') α

$^{25}\text{Mn}-51$



13

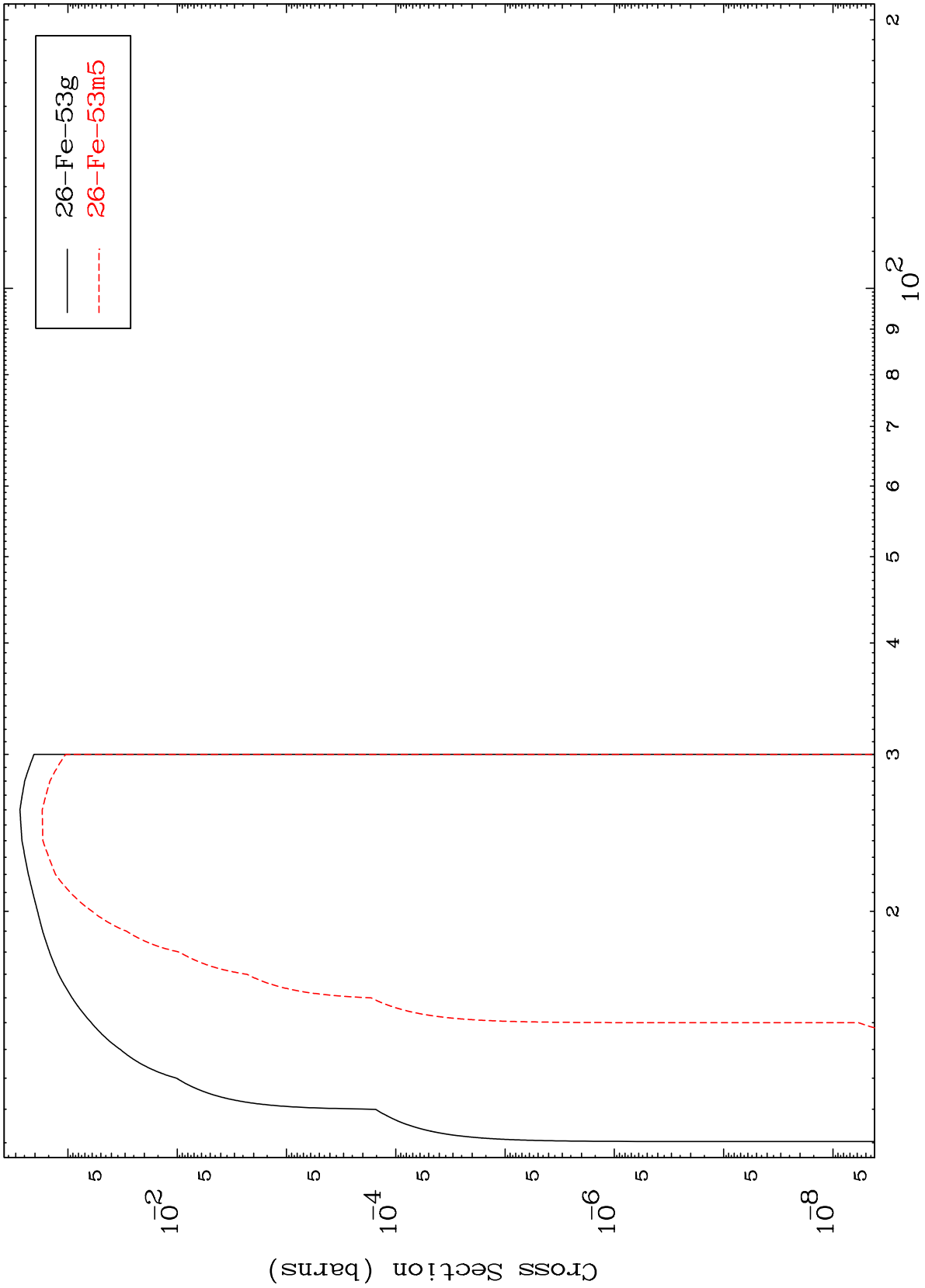
$^{25}\text{Mn}-51$

MAT 2513

(α, n') p

²⁵Mn-51

Radionuclide Production Cross Section



14

Incident Energy (MeV)

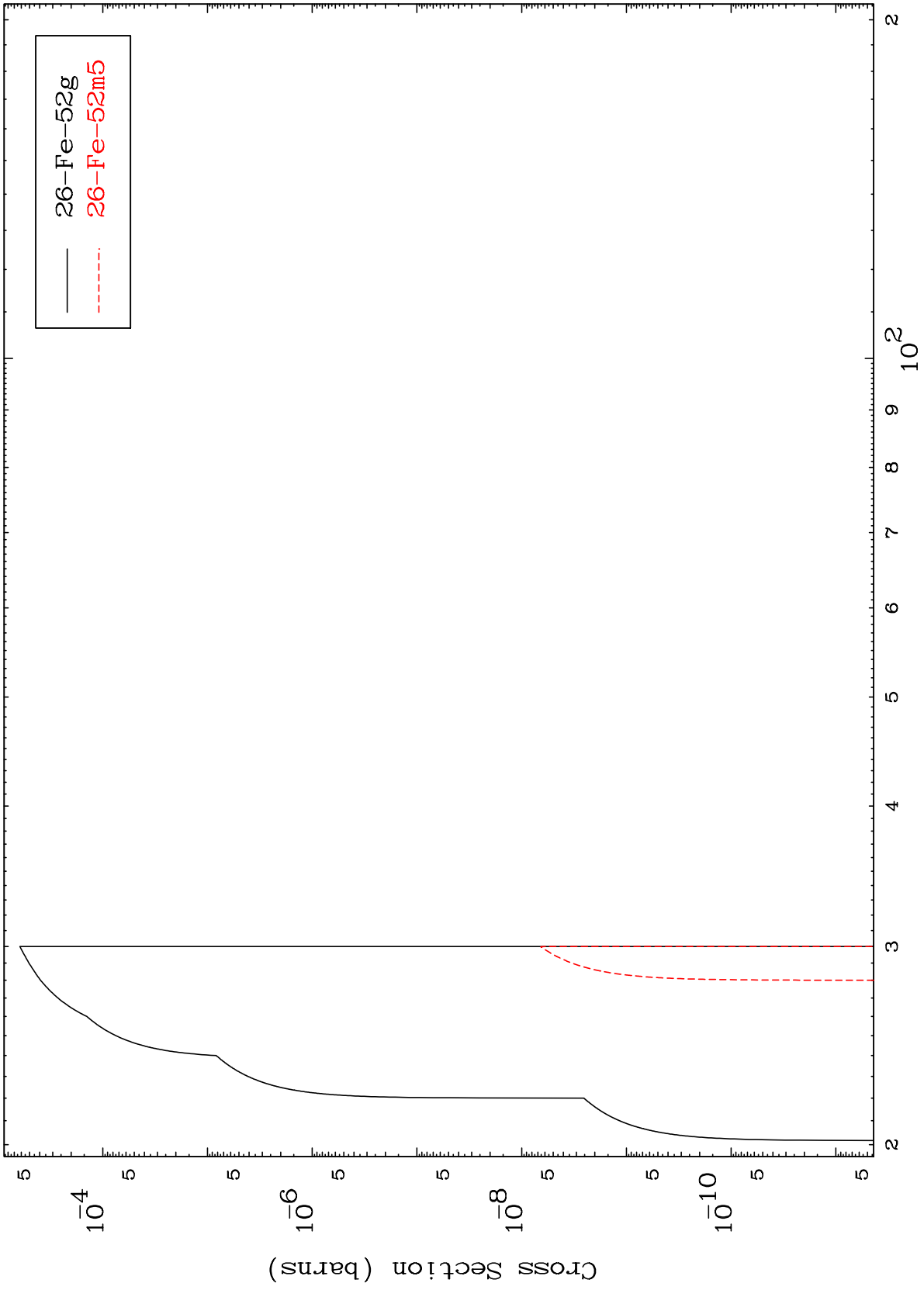
²⁵Mn-51

MAT 2513

(α, n') d

25-Mn-51

Radionuclide Production Cross Section



15

Incident Energy (MeV)

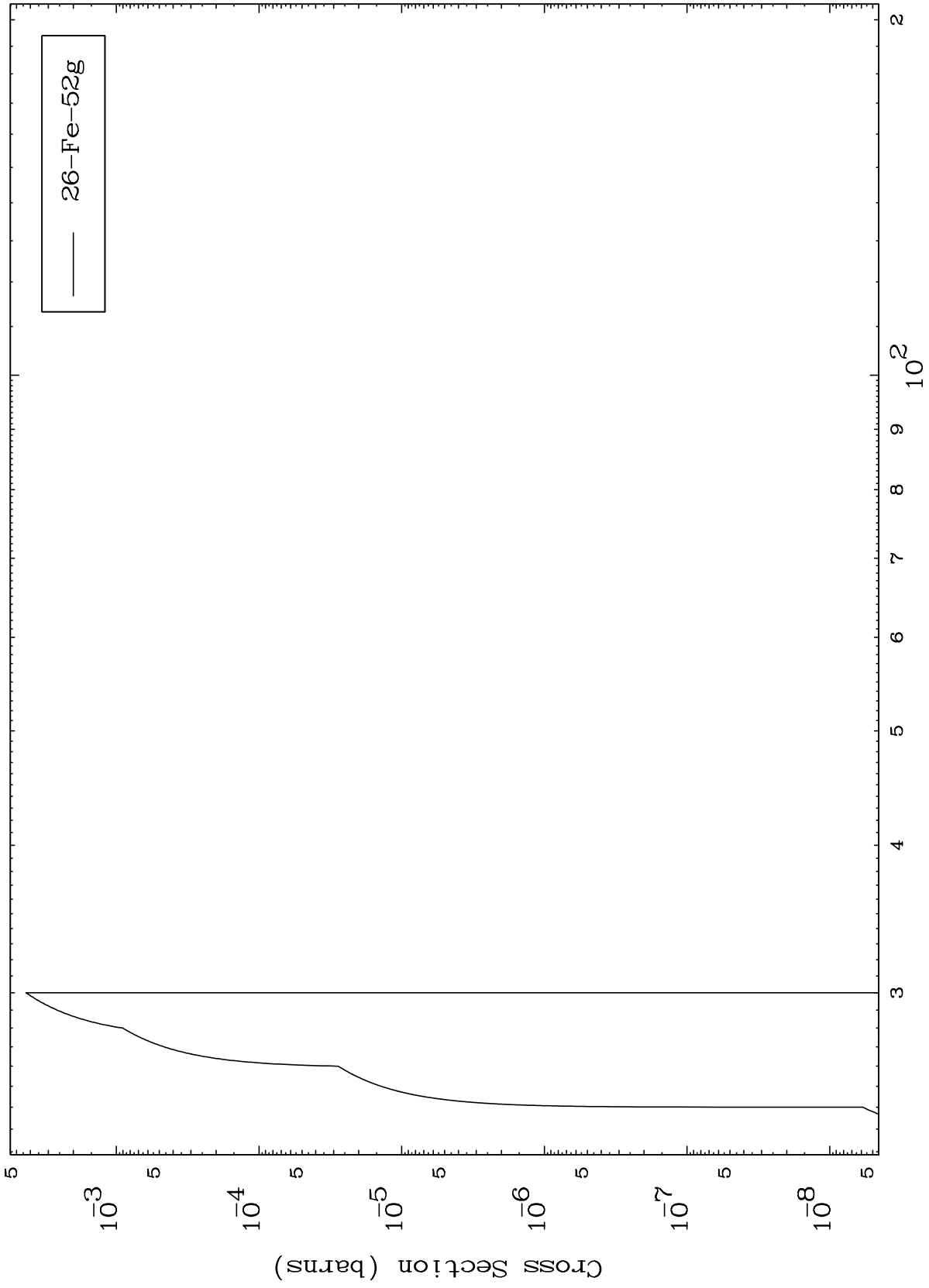
25-Mn-51

MAT 2513

($\alpha, 2n$) p

25-Mn-51

Radionuclide Production Cross Section



16

Incident Energy (MeV)

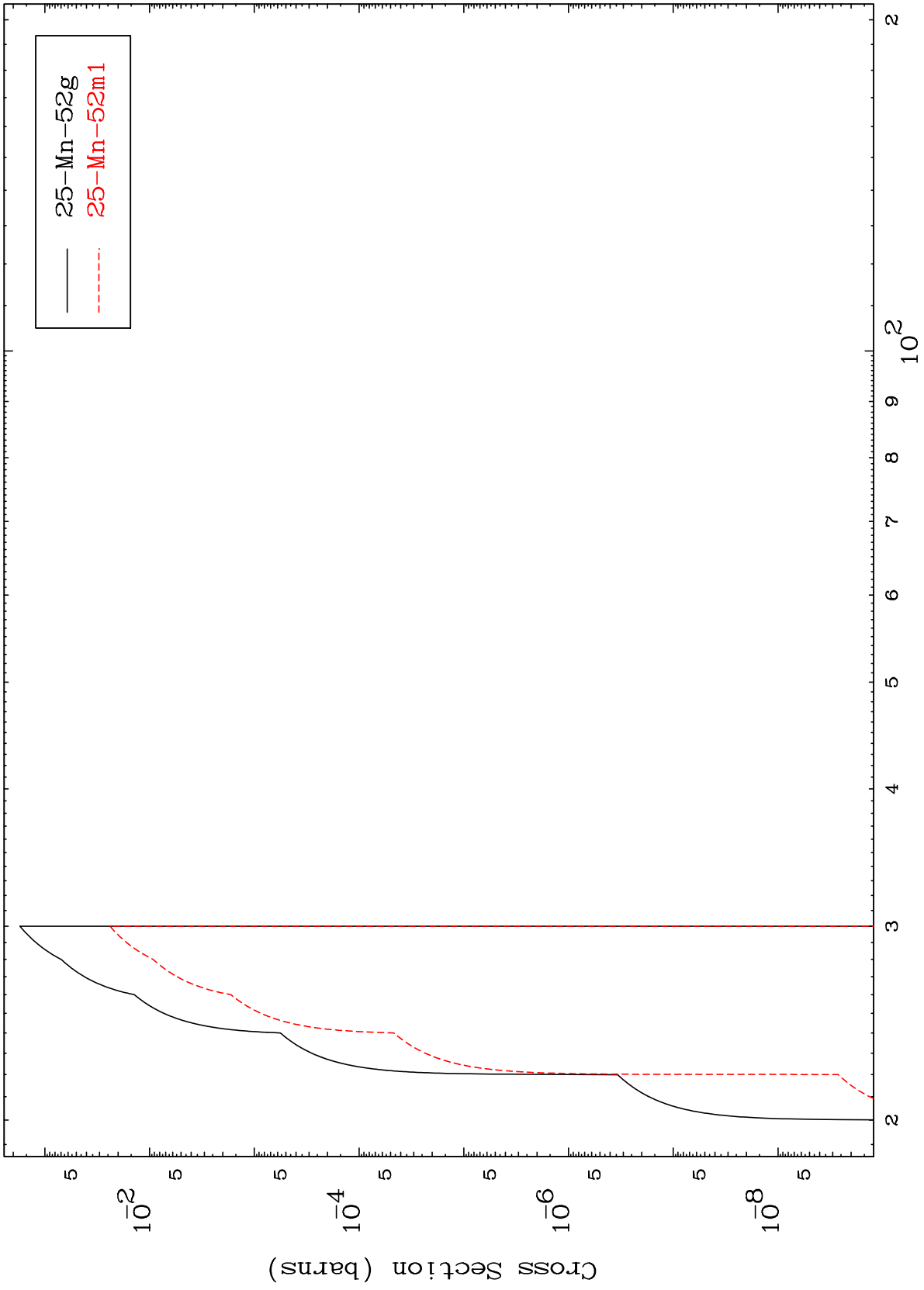
25-Mn-51

MAT 2513

($\alpha, 2n$) p

²⁵Mn-51

Radionuclide Production Cross Section



17

Incident Energy (MeV)

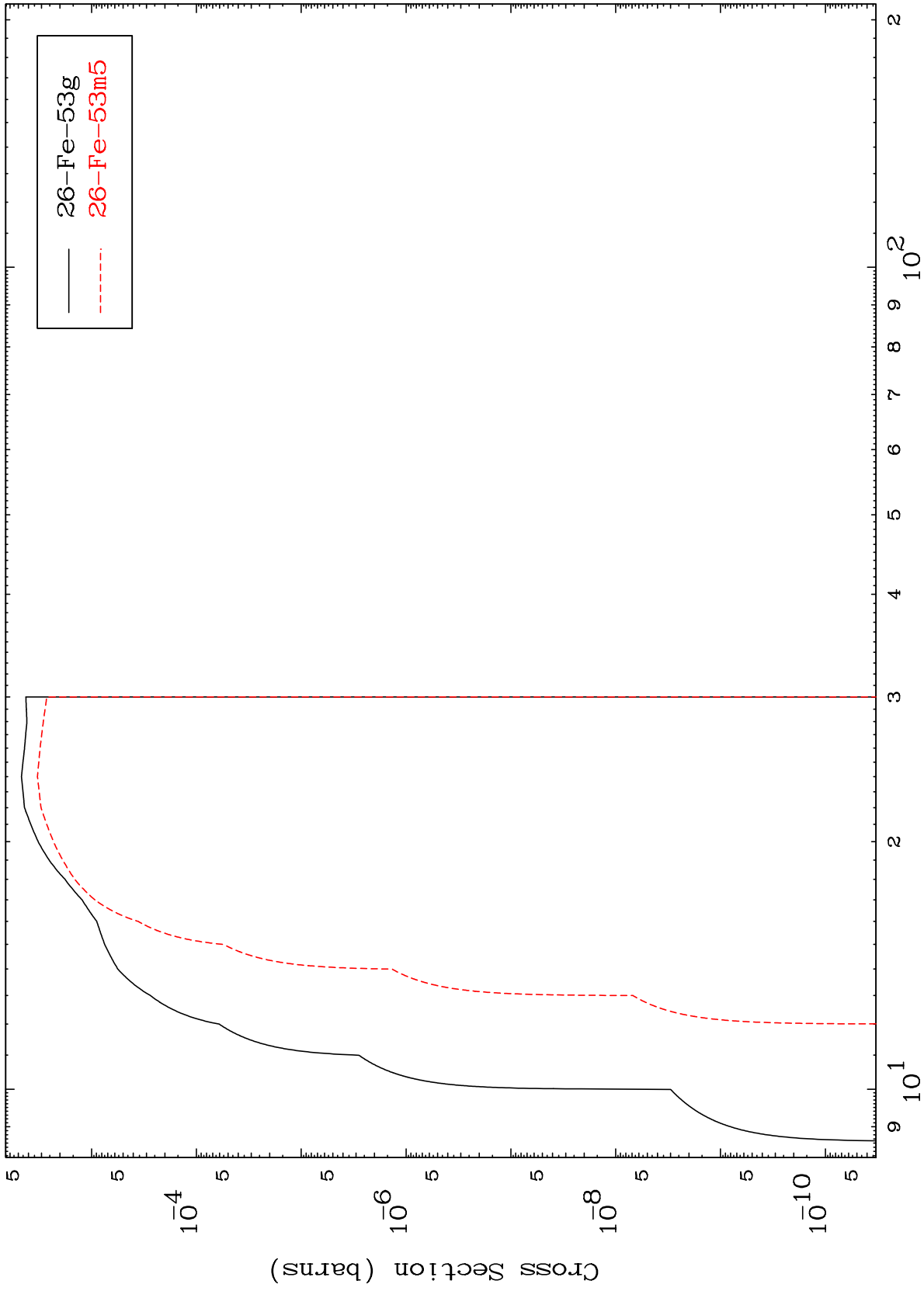
²⁵Mn-51

MAT 2513

(α, d)

25-Mn-51

Radionuclide Production Cross Section



18

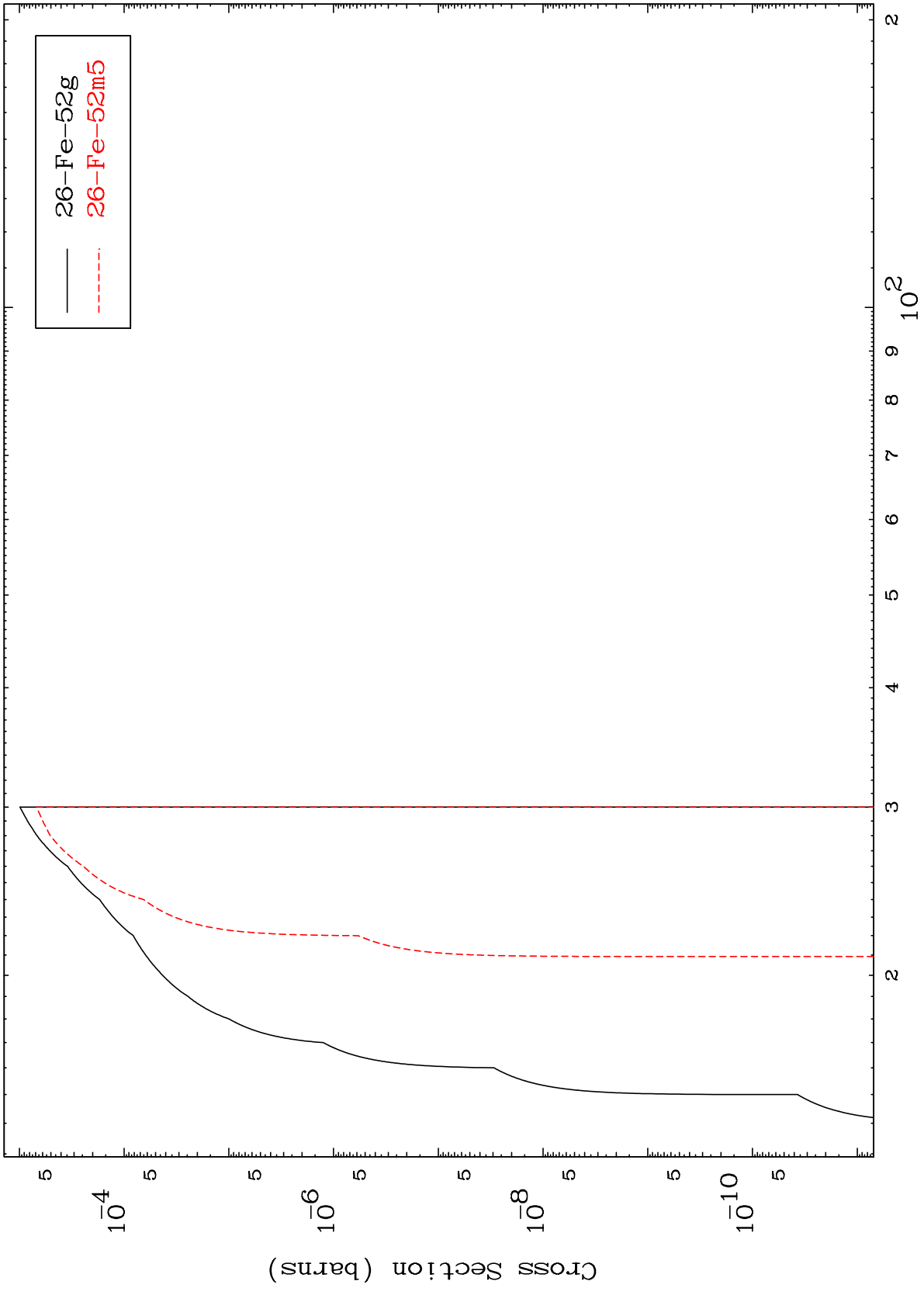
Incident Energy (MeV)

25-Mn-51

MAT 2513

²⁵Mn-51

(α, t)
Radionuclide Production Cross Section



19

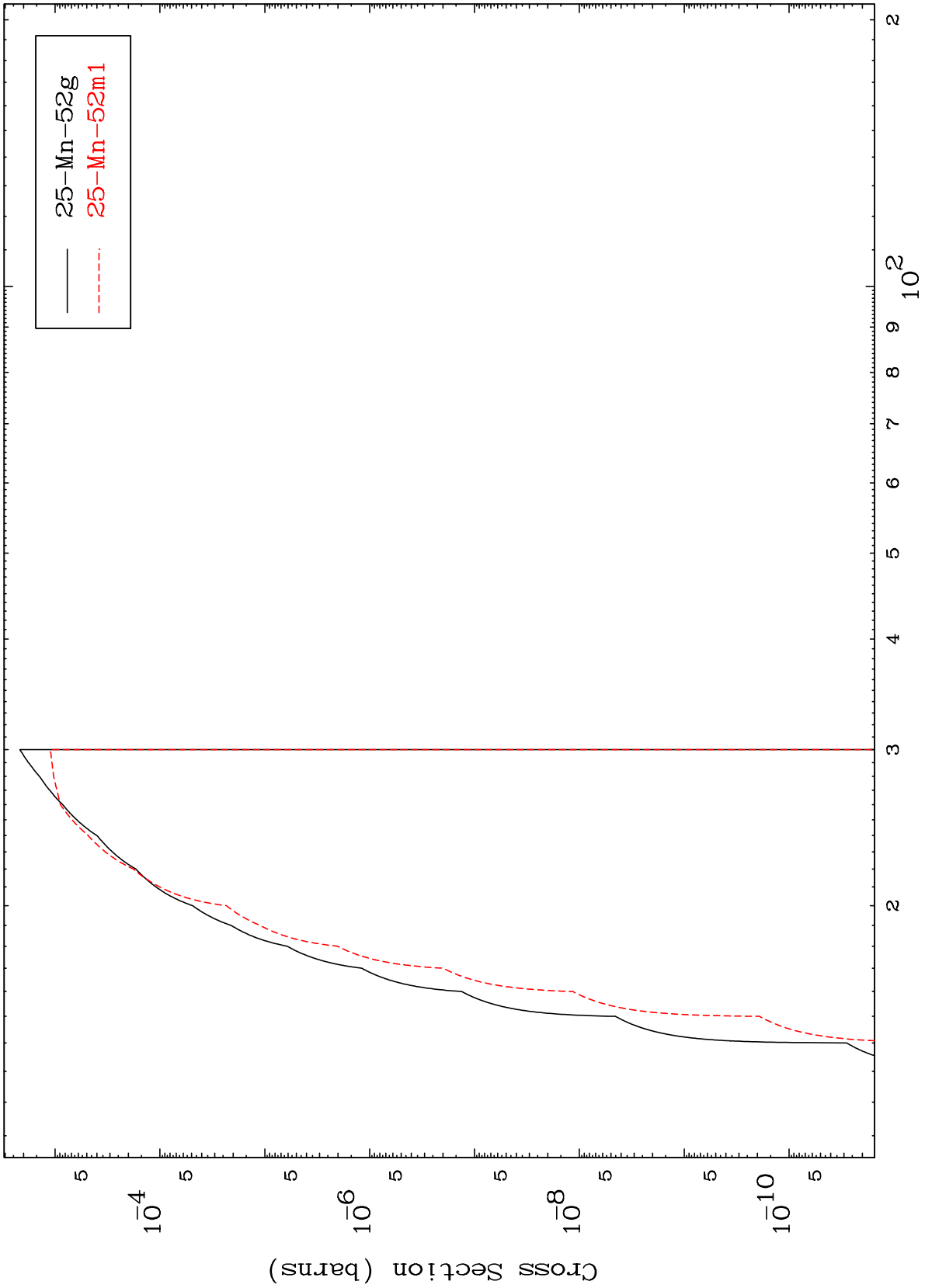
²⁵Mn-51

MAT 2513

($\alpha, \text{He-3}$)

$^{25}\text{Mn-51}$

Radionuclide Production Cross Section



20

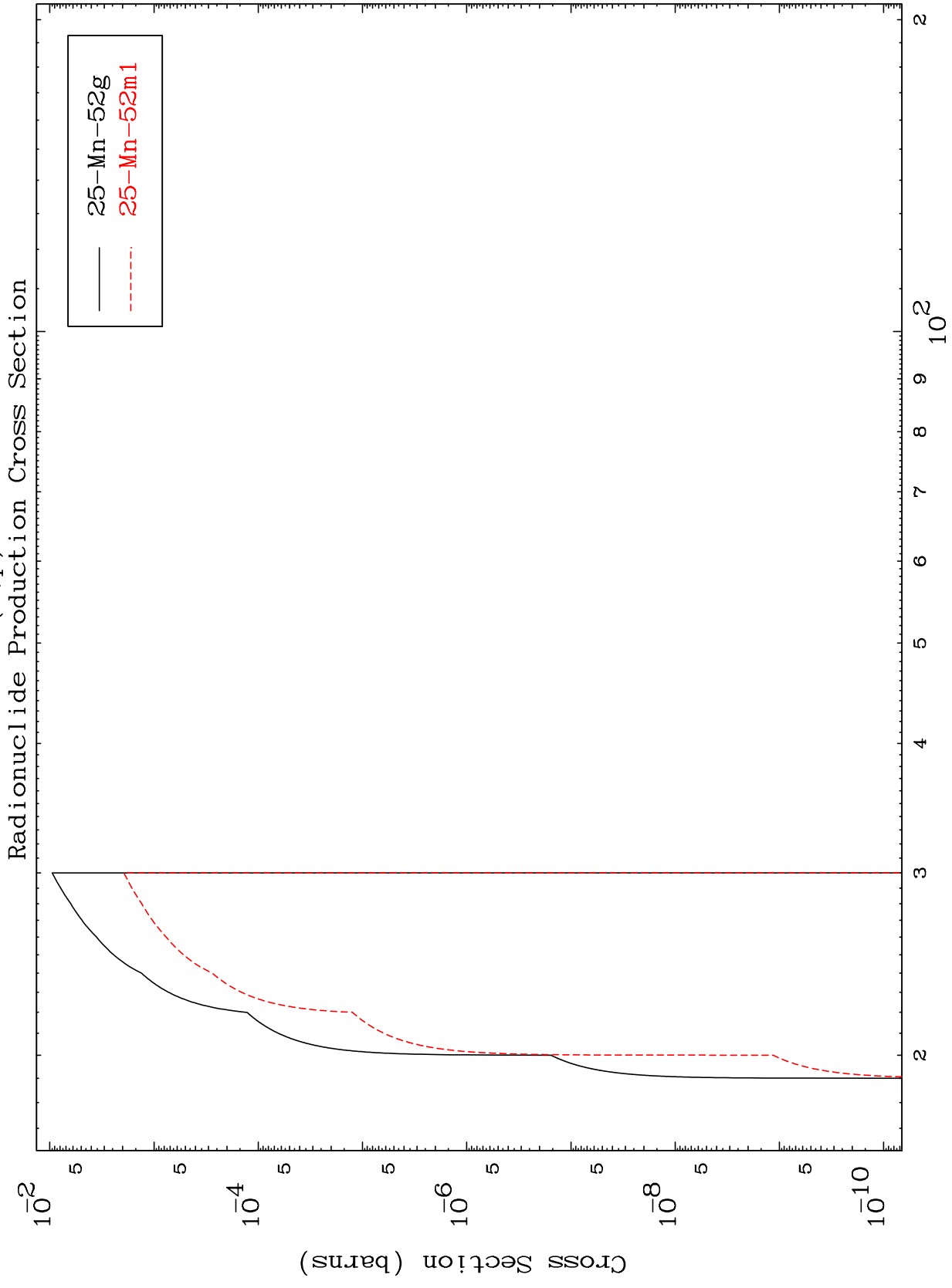
Incident Energy (MeV)

$^{25}\text{Mn-51}$

MAT 2513

(α, p) d

²⁵Mn-51



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²⁵Mn-51