







TABLE I  
( $\alpha$ ,n) Target Isotopes Available in SOURCES 4C.

Isotope	ZAID	Level Branching Fraction Data Source <sup>a</sup> and Energy Limit <sup>b</sup> (MeV)		Cross Section Data Source and Energy Limit (MeV)	
Li-7	030070	GNASH	6.5	Gibbons and Macklin <sup>8</sup>	8.2
Be-9	040090	Geiger and Van der Zwan <sup>9</sup>	7.9	Geiger and Van der Zwan <sup>9</sup>	7.9
B-10	050100	GNASH	12	Bair <i>et al.</i> <sup>10</sup>	7.5
B-11	050110	GNASH	12	Bair <i>et al.</i> <sup>10</sup>	7.5
C-13	060130	GNASH	6.5	Bair and Haas <sup>11</sup>	6.5
N-14	070140	N/A <sup>c</sup>	-	GNASH	6.5
O-17	080170	Lesser and Schenter <sup>12</sup>	6.5	Perry and Wilson <sup>1</sup>	10.5
O-18	080180	Lesser and Schenter <sup>12</sup>	6.5	Perry and Wilson <sup>1</sup>	11.5
F-19	090190	Lesser and Schenter <sup>12</sup>	6.0	Norman <i>et al.</i> <sup>13</sup>	9.9
Ne-21	100210	N/A <sup>c</sup>	-	GNASH	6.5
Ne-22	100220	N/A <sup>c</sup>	-	GNASH	6.5
Na-23	110230	GNASH	6.5	GNASH <sup>a</sup>	9.9
Mg-25	120250	GNASH	6.5	GNASH	6.5
Mg-26	120260	GNASH	6.5	GNASH	6.5
Al-27	130270	GNASH	6.5	GNASH <sup>a</sup>	11
Si-29	140290	GNASH	6.5	GNASH <sup>a</sup>	6.8
Si-30	140300	GNASH	6.5	GNASH <sup>a</sup>	6.5
P-31	150310	GNASH	6.5	GNASH	6.5
Cl-37	170370	GNASH	6.5	Woosley <i>et al.</i> <sup>14</sup>	9.7

