

Table 3: Revised L1L2 Species and Energy Bins

LET		Threshold Kinetic Energy (MeV/nucleon)													#	
Element	Z	A	1.8	2.2	2.7	3.2	3.6	4	4.5	5	6	8	10	12		15
H	1	1	x	x	x	x	x	x	x	x						7
He	2	3		x	x	x	x	x	x	x	x					7
	2	4	x	x	x	x	x	x	x							7
C	6	12				x	x	x	x	x	x	x	x			7
N	7	14				x	x	x	x	x	x	x	x			7
O	8	16				x	x	x	x	x	x	x	x			7
Ne	10	20				x	x	x	x	x	x	x	x			8
Na	11	23														
Mg	12	24				x	x	x	x	x	x	x	x	x		9
Al	13	27														
Si	14	28				x	x	x	x	x	x	x	x	x		9
S	16	32				x	x	x	x	x	x	x	x	x		8
Ar	18	36					x	x	x	x	x	x	x	x	x	9
Ca	20	40					x	x	x	x	x	x	x	x	x	9
Fe	26	56			x	x	x	x	x	x	x	x	x	x	x	11
Ni	28	58						x	x	x	x	x	x	x		

Boxes used for Beacon - all directions summed

Boxes used for Beacon - A-side and B-side sep

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Table 4: L1L2L3 Bins

LET		Threshold Kinetic Energy (MeV/nucleon)													# bins			
Element	Z	A	3.2	3.6	4	4.5	5	6	8	10	12	15	21	27		33	40	52
H	1	1	x	x	x	x	x	x	x	x	x							9
He	2	3		x	x	x	x	x	x	x	x							7
	2	4	x	x	x	x	x	x	x	x								9
C	6	12				x	x	x	x	x	x	x	x	x				9
N	7	14				x	x	x	x	x	x	x	x	x				8
O	8	16				x	x	x	x	x	x	x	x	x				8
Ne	10	20						x	x	x	x	x	x	x	x			8
Na	11	23						x	x	x	x	x	x	x	x			8
Mg	12	24						x	x	x	x	x	x	x	x	x		9
Al	13	27						x	x	x	x	x	x	x	x	x		9
Si	14	28						x	x	x	x	x	x	x	x	x		9
S	16	32						x	x	x	x	x	x	x	x	x		8
Ar	18	36						x	x	x	x	x	x	x	x	x		8
Ca	20	40						x	x	x	x	x	x	x	x	x		8
Fe	26	56							x	x	x	x	x	x	x	x	x	9
Ni	28	58							x	x	x	x	x	x	x	x	x	9

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Table 5: L1L2L3AL3B Bins

LET		Threshold Kinetic Energy (MeV/nuck)								# bins
Element	Z	A	12	15	21	27	33	40	52	
H	1	1	x							1
He	2	3								0
	2	4	x							1
C	6	12			x	x				2
N	7	14			x					2
O	8	16			x					1
Ne	10	20				x	x			2
Na	11	23								0
Mg	12	24					x	x		2
Al	13	27								0
Si	14	28					x	x		2
S	16	32								0
Ar	18	36								0
Ca	20	40								0
Fe	26	56						x	x	2
Ni	28	58								0

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