

LArTPC 50 kT.

20 deg wire parameters.

1							
2	Wires	SS304					
3	Wire density	78447.842	N/m^3	0.289	lb/inch^3		
4	Dia	9.78E-05	m	3.85E-03	in		
5	Wire area	7.51E-09	m^2	1.16E-05	in^2		
6	Wire Length	31.93	m	1256.902881	in		
7	Wire force (situation IV)	9.70	N	2.18	#		
8	α (wire plane angle)	20	deg				
9							
10	Angle Wire Weight	1.881E-02	N	4.23E-03	#		
11	q1	5.892E-04	N/m				
12	q	6.270E-04	N/m				
13	l	10.919107	m				
14	h	30.00	m				
15	X-direction	Y(curve) m	Y(line) m	Wire_Y_sag m	Wire_sag mm	X_Offset, mm	
16		0.00	0.0000	0.0000	0.000	0.000	
17		0.50	1.3739	1.3737	0.0002	0.168	0.061
18		1.00	2.7478	2.7475	0.0003	0.321	0.117
19		1.50	4.1217	4.1212	0.0005	0.457	0.166
20		2.00	5.4955	5.4950	0.0006	0.577	0.210
21		2.50	6.8694	6.8687	0.0007	0.680	0.248
22		3.00	8.2432	8.2424	0.0008	0.768	0.280
23		3.50	9.6170	9.6162	0.0008	0.840	0.306
24		4.00	10.9908	10.9899	0.0009	0.895	0.326
25		4.50	12.3646	12.3636	0.0009	0.934	0.340
26		5.00	13.7383	13.7374	0.0010	0.957	0.348
27		5.50	15.1121	15.1111	0.0010	0.964	0.351
28		6.00	16.4858	16.4849	0.0010	0.954	0.347
29		6.50	17.8595	17.8586	0.0009	0.929	0.338
30		7.00	19.2332	19.2323	0.0009	0.887	0.323
31		7.50	20.6069	20.6061	0.0008	0.829	0.302
32		8.00	21.9806	21.9798	0.0008	0.755	0.275
33		8.50	23.3542	23.3536	0.0007	0.665	0.242
34		9.00	24.7279	24.7273	0.0006	0.558	0.203
35		9.50	26.1015	26.1010	0.0004	0.436	0.159
36		10.00	27.4751	27.4748	0.0003	0.297	0.108
37		10.50	28.8487	28.8485	0.0001	0.142	0.052
38		10.92	30.0000	30.0000	0.0000	0.000	0.000
39							

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