phi_ phi_	MC: x1D_def:	0. -0	0000 .0019 +/-	0.0623 (1	mean unc.	0.0565) @	angle of 0	}
_		n re		· · · · · · · · · · · · · · · · · · ·		•	eskew 0.18 angle of 4	
phi_	x1D_def: x2D_def: simulation	0.	0913 +/-	0.0625 (m	ean unc.	0.0757) @	skew -0.08 skew -0.06 angle of 10	;
	-	0.		,		,	skew -0.05 skew -0.06	
phi_	MC:	0.	2618				angle of 15 skew -0.11	
phi_	x2D_def: simulation	0. n re	2606 +/-	0.0616 (m	ean unc.	0.0715) @	skew -0.14 angle of 20	:
phi_	x2D_def:	0.	3445 +/-	0.0567 (m	ean unc.	0.0695) @	skew 0.01 skew -0.02 angle of 25	
phi_	x1D_def: x2D_def:	0. 0.	4366 +/-	0.0540 (m	ean unc.	0.0659) @	skew -0.05 skew -0.07	,
phi_ phi_	MC: x1D_def:	0. 0.	5236 5143 +/-	0.0480 (m	ean unc.	0.0459) @	skew -0.10	1
MC s	MC:	n re	peated 10 6109	00 times	for 10 io	ns at an a	skew -0.12 angle of 35	degrees
phi MC s	x2D_def: simulation	0. n re	6121 +/- peated 10	0.0447 (m	ean unc.	0.0568) @	skew -0.20 skew -0.17 angle of 40	,
phi_	x1D_def: x2D_def:	0. 0.	6966 +/-	0.0419 (m	ean unc.	0.0518) @	skew -0.13	!
phi_ phi_	MC:	0. 0.	7854 7769 +/-	0.0368 (m	ean unc.	0.0333) @	skew -0.14	•
MC s	imulation	n re	peated 10 0000	00 times	for 100 i	ons at an	angle of 0	degrees
phi_	x2D_def: simulation	-0 n re	.0009 +/-	0.0192 (mean unc.	0.0445)	$\frac{1}{2}$ skew -0.0	8
phi_phi_	x1D_def: x2D_def:	0. 0.	0841 +/- 0862 +/-	0.0208 (m	ean unc.	0.0443) @	skew -0.03 skew -0.02 angle of 1	!
phi_ phi_	MC:	0. 0.	1745 1691 +/-	0.0188 (m	ean unc.	0.0190) @	skew -0.02 skew -0.03	·
MC s	imulation	n re	peated 10 2618	00 times	for 100 i	ons at an	angle of 1	
phi_MC sphi_	x2D_def: simulation MC:	0. n re 0.	2616 +/- peated 10 3491	0.0195 (m 00 times	ean unc. for 100 i	0.0423) @ ons at an	skew 0.05 angle of 2	-
phi_phi_	x1D_def: x2D_def:	0. 0.	3414 +/- 3494 +/-	0.0185 (m	ean unc.	0.0406) @	skew -0.01 skew -0.01 angle of 2	-
phi_ phi_ phi_	MC: x1D_def: x2D_def:	0. 0. 0.	4363 4268 +/- 4357 +/-	0.0169 (m 0.0169 (m	ean unc.	0.0167) @ 0.0386) @	skew -0.01 skew 0.00	
phi_ phi_	MC: x1D_def:	n re 0. 0.	peated 10 5236 5141 +/-	00 times 0.0165 (m	for 100 i	ons at an 0.0156) @	angle of 3 skew -0.05	5
MC s	MC:	n re	peated 10 6109	00 times	for 100 i	ons at an	skew -0.05 angle of 3	5 degrees
phi MC s		0. n re	6107 +/- peated 10	0.0148 (m	ean unc.	0.0333) @	skew -0.19 skew -0.20 angle of 4)
phi_	x1D_def: x2D_def:	0. 0.	6984 +/-	0.0125 (m	ean unc.	0.0304) @	skew -0.12 skew -0.14	:
phi_ phi_	MC: x1D_def:	0. 0.	7854 7776 +/-	0.0115 (m	ean unc.	0.0113) @	skew -0.07	,
MC s		n re	peated 10 0000	00 times	for 1000	ions at ar	skew -0.08 n angle of skew 0.18	
phi_	x2D_def: simulation	0. n re	0003 +/-	0.0061 (m	ean unc.	0.0251) @	skew 0.18 skew 0.15 a angle of	4 degrees
phi_phi_	x1D_def: x2D_def:	0. 0.	0851 +/- 0875 +/-	0.0063 (m	ean unc.	0.0250) @	skew 0.09 skew 0.06	10 degrees
phi_ phi_	MC: x1D_def:	0. 0.	1745 1701 +/-	0.0059 (m	ean unc.	0.0060) @	skew 0.07 skew 0.05	
phi_	MC:	0.	2618				n angle of skew -0.10	15 degrees
MC s	imulation	n re	peated 10 3491	00 times	for 1000	ions at ar		20 degrees
phi MC s	x2D_def: simulation	0. n re	3491 +/- peated 10	0.0054 (m	ean unc.	0.0229) @	skew -0.03 skew -0.03 angle of	
phi_	x1D_def: x2D_def:	0. 0.	4362 +/-	0.0053 (m	ean unc.	0.0217) @	skew 0.07 skew 0.07	30 dearcas
phi_ phi_	MC: x1D_def:	0. 0.	5236 5143 +/-	0.0049 (m	ean unc.	0.0050) @	skew 0.01	30 degrees
MC s	imulation MC:	n re	peated 10 6109	00 times	for 1000	ions at ar		35 degrees
phi_	x2D_def: simulation	0. n re	6107 +/-	0.0043 (m	ean unc.	0.0188) @	skew -0.12	
phi_phi_	x1D_def: x2D_def:	0.	6982 +/-	0.0040 (m	ean unc.	0.0172) @	skew 0.04 skew 0.05 a angle of	44 degrees
phi_	MC: x1D_def: x2D_def:	0.	7854 7779 +/- 7854 +/-	0.0035 (m 0.0035 (m		•	skew 0.14 skew 0.13	
0	n_data an	0.0	mc 0.000000	phi2D -0.002049	phi2D_unc 0.075280	phi1D -0.001867	phi1D_unc 0.056516	phi1D_std 0.062335
1	10 10	5.0 10.0	0.087266 0.174533	0.091293 0.172351	0.075706 0.073642	0.088958 0.168204	0.057287 0.055390	0.061124 0.059829
3	10	15.0	0.261799	0.260626	0.071515	0.255310	0.053716	0.061109
4 5		20.0 25.0	0.349066 0.436332	0.344493 0.436614	0.069503 0.065861	0.337272 0.428500	0.052290 0.049275	0.056272 0.053729
6 7		30.0 35.0	0.523599 0.610865	0.522539 0.612078	0.061671 0.056777	0.514277 0.603825	0.045865 0.041525	0.047999 0.045475
8	10 4	10.0	0.698132	0.696594	0.051804	0.688962	0.037260	0.042285
9	100	15.0 0.0	0.785398	0.783596	0.046763 0.044513	0.776874	0.033304	0.036802
11 12	100 100	5.0 10.0	0.087266 0.174533	0.086242 0.173637	0.044320 0.043538	0.084069 0.169088	0.019354 0.018972	0.020346 0.018777
13 14		15.0 20.0	0.261799 0.349066	0.261647 0.349430	0.042271 0.040629	0.255272 0.341437	0.018421 0.017675	0.019029
15	100 2	25.0	0.436332	0.435736	0.038560	0.426796	0.016745	0.016890
16 17		30.0 35.0	0.523599 0.610865	0.523385	0.036097 0.033311	0.514067 0.601497	0.015575 0.014200	0.016476 0.014968
18 19		10.0 15.0	0.698132 0.785398	0.698446 0.785009	0.030354 0.027247	0.690007 0.777625	0.012767 0.011254	0.012671 0.011520
20	1000	0.0	0.000000	0.000331	0.025142	0.000297	0.006178	0.005971
21 22	1000	5.0	0.087266 0.174533	0.087467 0.174712	0.024986 0.024586	0.085084	0.006138	0.006117
23 24		15.0 20.0	0.261799 0.349066	0.261868 0.349136	0.023873 0.022920	0.255329 0.341104	0.005862 0.005622	0.005714 0.005380
25 26		25.0 30.0	0.436332 0.523599	0.436184 0.523680	0.021743 0.020370	0.427181 0.514250	0.005315 0.004953	0.005267 0.004865
2627		30.0	0.523599	0.523680	0.020370	0.514250	0.004953	0.004865
28 29		10.0 15.0	0.698132 0.785398	0.698194 0.785360	0.017156 0.015394	0.689623 0.777873	0.004079 0.003592	0.004098 0.003518