Figure S1. Distribution of values for the geometric characteristics of the structures under study during the MD experiment:

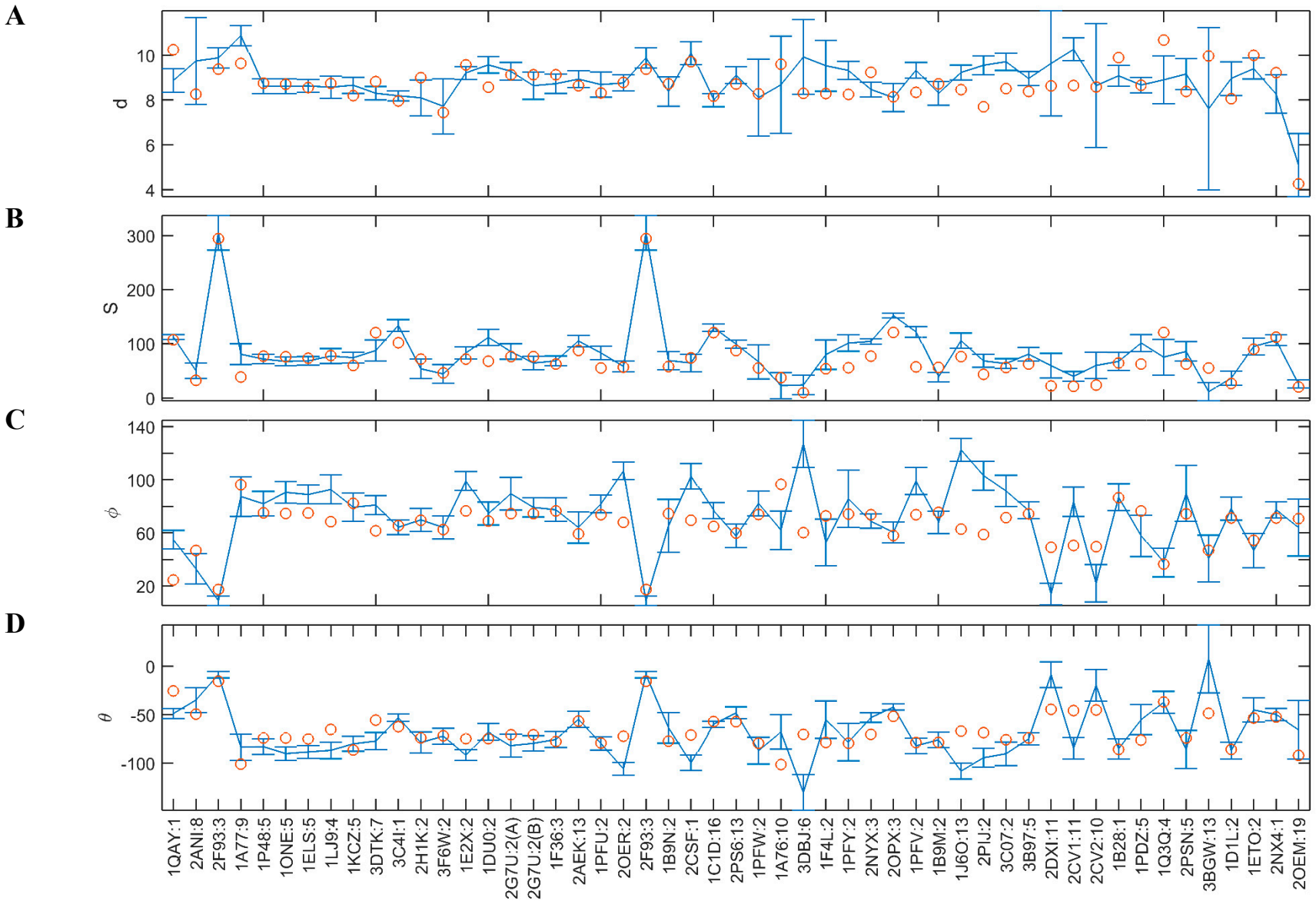
A: interplanar distance (d) between the helixes;

B: areas (S) of intersection for the helical projections;

C and D show the φ and θ angles between the helical axes of the structural motif, respectively.

The OX axis represents PDB IDs of the structures, the OY axis represents the values of the studied characteristics: initial value (red circle), average value during the MD experiment (blue point), and standard deviation

For each corner, the red circle marks the values for the characteristics calculated before the start of the experiment, and presents the average value of this characteristic during the MD experiment and its root-mean-square deviation. For the most stable structures, the initial value is as close as possible to the mean and within the interval (mean value ± standard deviation). This position is desirable for all investigated geometric characteristics of corners. The figure shows that this is not always the case. However, even if some characteristics present less stability, others were stable during the experiment, which helps to maintain the stability of the entire structure.


A
B
C
D
d
S
ϕ
θ
1QAY:1
2ANI:8
2F93:3
1A77:9
1P48:5
1ONE:5
1ELS:5
1LJ9:4
1KCZ:5
3DTK:7
3C4I:1
2H1K:2
3F6W:2
1E2X:2
1DU0:2
2G7U:2(A)
2G7U:2(B)
1F36:3
2AEK:13
1PFU:2
2OER:2
2F93:3
1B9N:2
2CSF:1
1C1D:16
2PS6:13
1PFW:2
1A76:10
3DBJ:6
1F4L:2
1PFY:2
2NYX:3
2OPX:3
1PFV:2
1B9M:2
1J6O:13
2PIJ:2
3C07:2
3B97:5
2DXI:11
2CV1:11
2CV2:10
1B28:1
1PDZ:5
1Q3Q:4
2PSN:5
3BGW:13
1D1L:2
1ETO:2
2NX4:1
2OEM:19

Results of the MD experiment

Table S1. The results of calculating the geometric characteristics of the structural blocks of protein molecules using the molecular dynamics experiment.

PDB ID	Charge structure	d, Å	$\bar{d}$ Å	$\sigma(\bar{d})$	S, Å^2	$\bar{S}$ Å^2	$\sigma(\bar{S})$	φ	$\bar{\varphi}$	$\sigma(\bar{\varphi})$	θ	$\bar{\theta}$	$\sigma(\bar{\theta})$
1QAY: 1	q = -1	10,24	8,87	0,53	107,41	112,68	4,58	24,5	54,96	6,96	-25,43	-48,76	5,04
2ANI: 8	q = -3	8,26	9,74	1,93	32,7	50,47	14,22	46,75	33,02	11,39	-49,38	-34,92	12,83
2F93 : 3	q = 0	9,38	9,88	0,45	294,49	304,89	31,8	17,38	8,88	3,68	-15,44	-8,55	3,43
1A77 : 9	q = -4	9,63	10,87	0,45	38,59	80,77	19,21	96,35	87,38	14,9	-100,87	-83,39	13,67
1P48 : 5	q = 2	8,75	8,62	0,33	77,29	71,74	8,66	75,07	82,02	9,26	-74,07	-82,91	8,27
1ONE :5	q = 2	8,7	8,61	0,33	75,84	67,5	7,92	74,6	90,56	8,22	-73,95	-90,09	6,91
1ELS : 5	q = 2	8,56	8,63	0,29	73,22	68,42	7,94	74,99	88,92	7,1	-74,85	-88,33	6,6
1LJ9 : 4	q = 2	8,74	8,57	0,5	78,16	77,4	13,79	68,37	92,72	10,85	-65,12	-86,74	8,51
1KCZ : 5	q = 2	8,2	8,66	0,36	59,89	74,39	9,95	82,24	79,36	10,72	-86,31	-80,02	7,7
3DTK :7	q = 2	8,82	8,3	0,3	120,45	87,55	19,6	61,6	80,98	7,23	-55,53	-77,16	8,9
3C4I : 1	q = 1	7,96	8,19	0,22	101,89	133,88	10,6	65,54	64,23	5,44	-62,23	-53	3,78
2H1K : 2	q = 7	9	8,1	0,8	71,86	53,89	17,79	69,54	69,85	8,71	-73,9	-78,68	10,98
3F6W : 2	q = 3	7,44	7,72	1,23	46,1	44,38	17,07	62,5	64,06	8,71	-71,67	-72,07	8,13
1E2X : 2	q = 2	9,57	9,21	0,29	71,73	83,15	10,96	76,51	99,05	7,04	-74,73	-91,65	5,42
1DU0 : 2	q = 5	8,57	9,57	0,37	68,14	111,79	14,82	68,89	74,54	8,63	-74,6	-67,63	8,6
2G7U:(A):2	q = 3	9,13	9,28	0,4	76,2	85,52	14,3	74,47	89,54	12,37	-70,67	-81,89	11,73
2G7U:(B):2	q = 3	9,13	8,64	0,61	76,2	64,52	12,34	74,47	79,22	7,26	-70,67	-79,48	7,84
1F36 : 3	q = 7	9,13	8,73	0,43	62,78	68,47	9,16	76,52	77,43	8,84	-77,67	-75,51	8,05
2AEK:13	q = -1	8,64	8,93	0,37	87,77	105,21	10,52	59,24	64,09	11,82	-56,54	-54,58	8,33
1PFU : 2	q = -2	8,32	8,69	0,57	55,52	83,16	12,38	73,79	81,88	6,81	-79,09	-79,66	6,64
2OER : 2	q = 2	8,79	8,76	0,36	57,03	58,43	9,87	67,93	106,74	6,49	-72,04	-105,77	6,63
2F93 : 3	q = 0	9,38	9,88	0,45	294,49	304,89	31,8	17,38	8,88	3,68	-15,44	-8,55	3,43
1B9N : 2	q = 0	8,72	8,38	0,65	57,98	69,1	16,59	74,49	65,28	19,96	-77,31	-63,45	15,86
2CSF : 1	q = 2	9,71	10,1	0,52	73,93	64,61	15,94	69,54	102,6	9,62	-70,75	-99,54	7,78
1C1D:16	q = -2	8,17	7,99	0,29	120,66	129,82	6,79	64,91	76,8	5,98	-56,98	-59,76	3,3
2PS6 :13	q = -1	8,71	9,11	0,38	87,48	99,48	7,39	59,88	57,67	8,87	-57,16	-48,03	6,1
1PFW : 2	q = -2	8,28	8,11	1,72	55,47	66,75	31,37	73,85	82,25	9,22	-79,34	-87	13,89
1A76 :10	q = -4	9,6	8,68	2,17	37,47	22,77	23,99	96,62	62,07	14,54	-101,32	-67,76	17,71
3DBJ : 6	q = 2	8,3	9,92	1,67	10,17	24,16	18,36	60,22	127,15	17,73	-70,2	-130,15	18,55
1F4L : 2	q = -2	8,29	9,53	1,14	53,97	80,06	27,18	72,82	52,82	17,65	-78,52	-55,11	19,37
1PFY : 2	q = -2	8,25	9,32	0,4	55,74	101,25	15,09	74,25	85,7	21,66	-79,32	-78,18	19,39
2NYX: 3	q = 2	9,24	8,47	0,33	77,03	104,49	4,87	73,69	68,77	5,38	-70,28	-52,95	4,99
2OPX : 3	q = -4	8,14	8,11	0,62	120,91	151,94	4,28	57,94	60,4	7,77	-51,69	-42,04	3,25
1PFV : 2	q = -2	8,34	9,33	0,35	57,23	122,12	9,94	73,74	99,02	10,26	-78,66	-82,1	8,03
1B9M : 2	q = 0	8,72	8,29	0,53	56,59	38,76	8,81	75,38	67,85	8,39	-78,47	-75,89	8,05
1J6O :13	q = 0	8,46	9,23	0,33	76,26	105,86	13,89	62,85	122,64	8,52	-66,88	-108,13	8,1

2PIJ : 2	q = 2	7,7	9,55	0,42	43,54	68,45	11,99	58,8	103,19	10,89	-68,52	-94,33	9,76
3C07 : 2	q = 1	8,51	9,71	0,39	56,16	63,49	9,17	71,58	91,64	11,88	-75,69	-90,22	12,19
3B97 : 5	q = 2	8,38	8,96	0,31	62,82	80,88	12,61	74,35	76,98	6,44	-74,13	-75	6,26
2DXI :11	q = 0	8,63	9,63	2,35	22,23	59,58	22,72	49,11	13,94	8,26	-44,35	-8,59	13,29
2CV1:11	q = 0	8,65	10,26	0,51	21,68	39,91	8,84	50,47	83,48	11,03	-45,68	-84,58	11,09
2CV2:10	q = 0	8,58	8,64	2,77	23,71	60,06	24,5	49,64	22,07	14,01	-45,15	-19,55	16,25
1B28 : 1	q = 0	9,89	9,08	0,47	64,63	67,45	16,5	86,56	86,82	10,14	-85,69	-85,11	10,41
1PDZ : 5	q = 2	8,66	8,67	0,34	62,63	101,54	15,64	76,53	57,84	15,65	-76,21	-54,99	15,43
1Q3Q : 4	q = -3	10,68	8,9	1,07	121,12	75,4	33	36,49	37,68	10,82	-36,83	-37,21	11,36
2PSN : 5	q = 2	8,38	9,16	0,69	62,83	85,86	17,93	74,29	89,68	21,07	-74,08	-85,78	19,55
3BGW:13	q = 6	9,97	7,61	3,63	55,22	11,63	16,8	46,91	40,65	17,62	-48,39	7,65	35,05
1D1L : 2	q = 3	8,06	8,96	0,75	26,69	36,52	12,67	71,2	78,29	8,72	-85,8	-87	8,57
1ETO : 2	q = -3	9,99	9,4	0,47	89,94	95,07	15,62	54,44	46,77	12,96	-53,34	-45,06	12,29
2NX4 : 1	q = 2	9,22	8,26	0,86	112,21	106,36	9,89	71,22	77,46	6,04	-52,23	-49,7	6,33

d, S, θ, φ – the values of geometric characteristics calculated before the MD experiment: interplanar distance, area of the polygon of intersection of helical projections, torsion angle between the axes of the helices, two-dimensional angle between the axes of the helices, respectively;

$\bar{d}$, $\bar{\varphi}$ $\bar{S}$ $\bar{\theta}$ – average values of the studied quantities during the experiment;

σ – standard deviation.

In order to check the stability of the studied corners for each structural motive (α-α-corner), the following were investigated:

– change in the conformation of the corner constriction. For this, in each of the 5000 frames of the MD experiment, the values of the torsion angles of each amino acid residue of the irregular region were recorded;

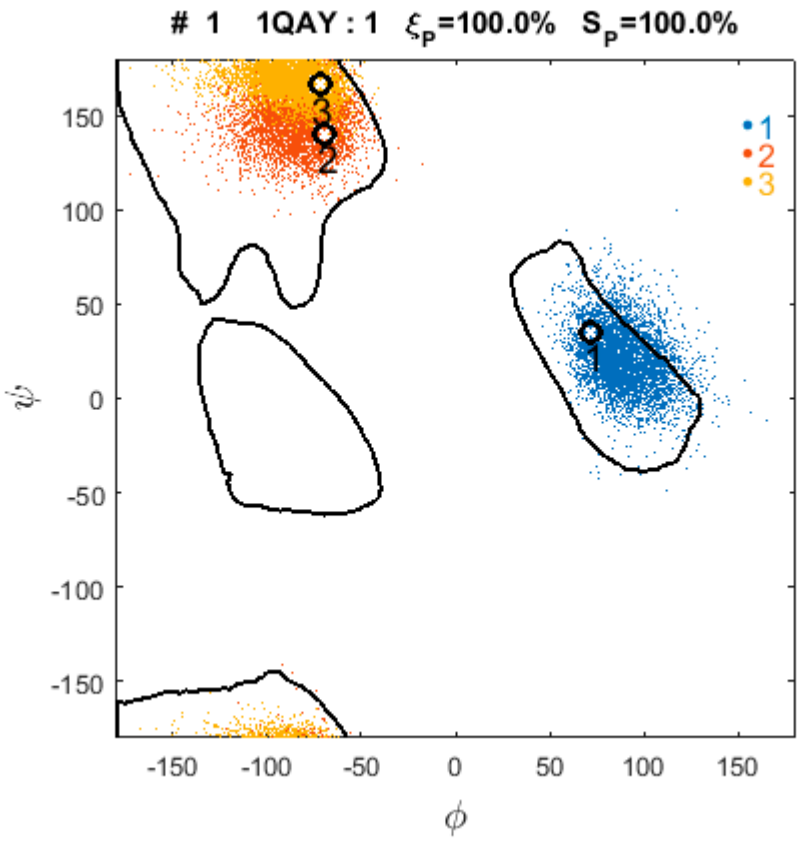
– change in the values of the geometric characteristics of the studied motifs during the experiment: the intersection area of the projections of the helixes, the interplanar distance, the angles between the axes of the helixes of the helical pair.

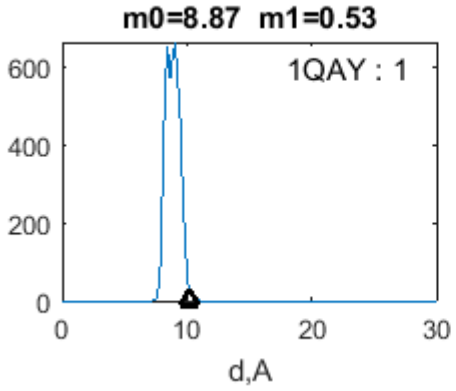
Figures and histograms reflecting these calculations are presented for each structural block.

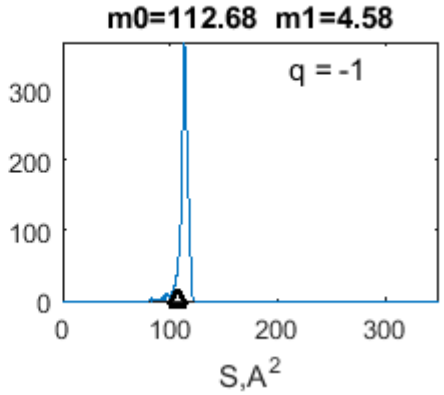
Each structure is described by two figures:

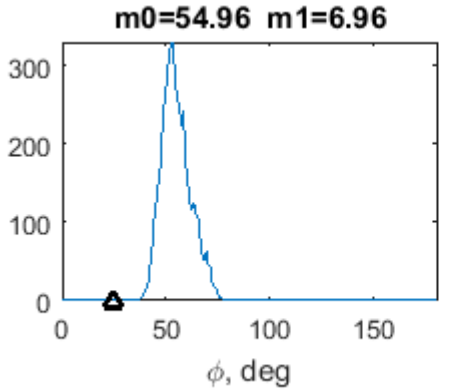
The first figure illustrates the change in the conformation of the constriction of the α-α-corner during the MD experiment by recording the values of the torsion angles φ and ψ of each amino acid residue of the irregular region. The colored dots on the Ramachandran map denote the φ and ψ angles of the constriction amino acids for each point of the trajectory. The legend on the right indicates the sequence of amino acids in the constriction: blue is the first amino acid, red is the second amino acid, orange is the third amino acid, purple is the fourth amino acid, light green is the fifth amino acid, and blue is the sixth amino acid of the constriction. Each point is signed with a serial number, in this sequence are the constriction amino acids of the experimental structure. Black circles are the values of the angles φ and ψ of the experimental structure before the start of the MD experiment. In the caption to Fig. the PDB identifier is given, then the serial number of the helical pair, then two values: ξ_P –the percentage of trajectory points with negative chirality, S_p - the percentage of trajectory points with a nonzero projection area of the helixes.

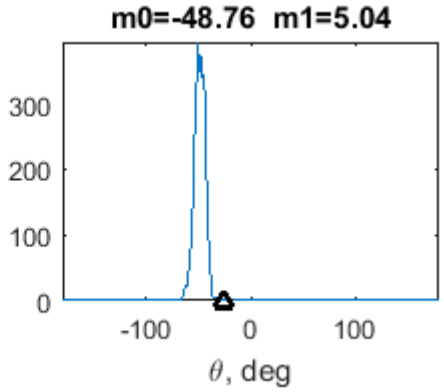
The second figure is four histograms of quantities describing the geometry of the helical pair (α-α-corner). They illustrate the distributions of the values of geometric characteristics in the course of the MD experiment: the interplanar distance between the helixes, the intersection area of the projections of the helixes, the angles φ and θ between the axes of the helixes of the structural motif. In the captions for each histogram, the mean value m_0 and the standard deviation m_1. In the figure with the histogram of the interplanar distance, the structure identifier is duplicated, and in the figure with the histogram of the intersection area, the total charge of the structure is shown.

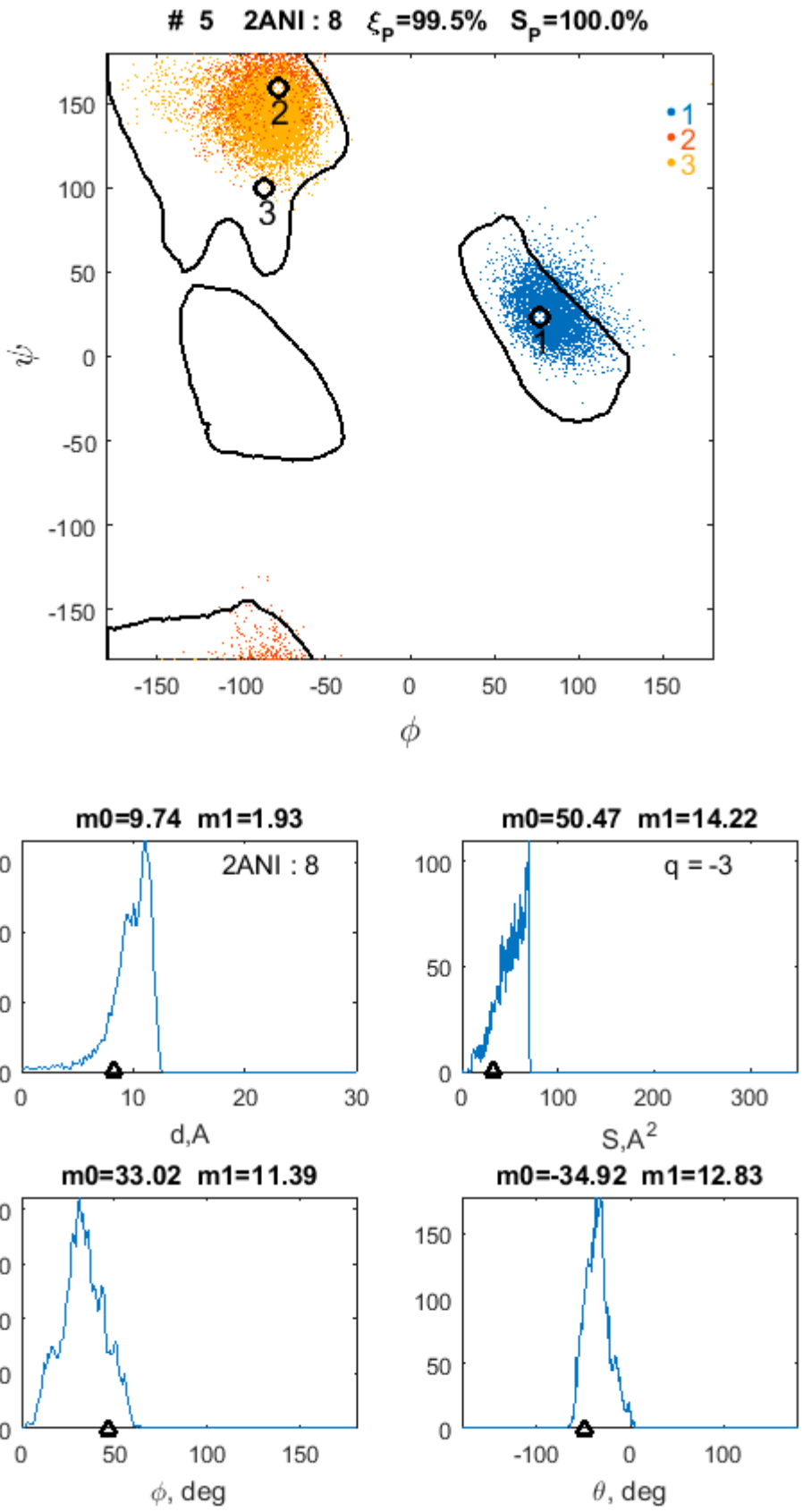

1 1QAY : 1 ξ_P=100.0% S_P=100.0%
1
2
3
150
100
50
0
-50
-100
-150
ψ
-150 -100 -50 0 50 100 150
ϕ

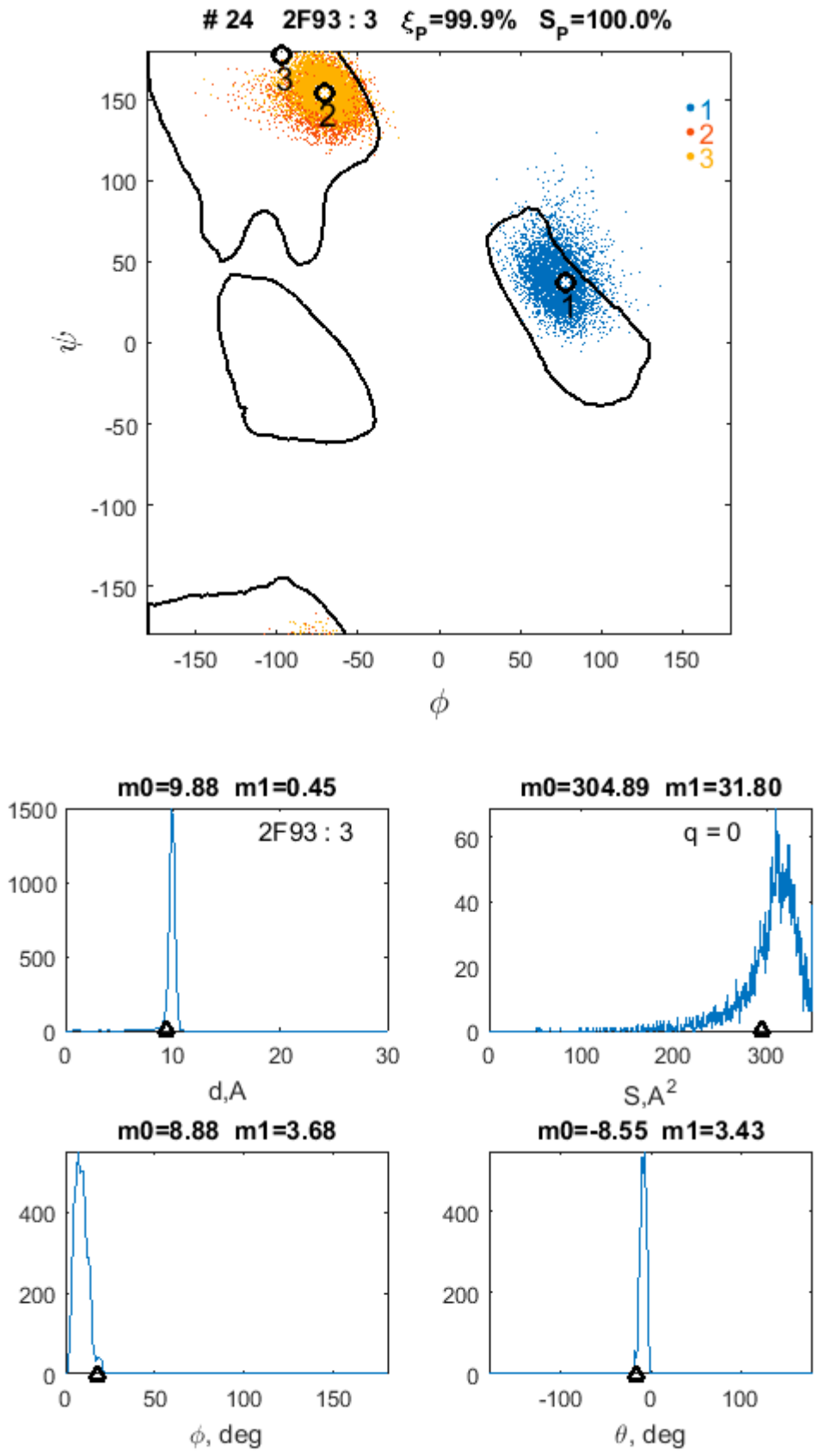

m0=8.87 m1=0.53
1QAY : 1
600
400
200
0
0 10 20 30
d,A

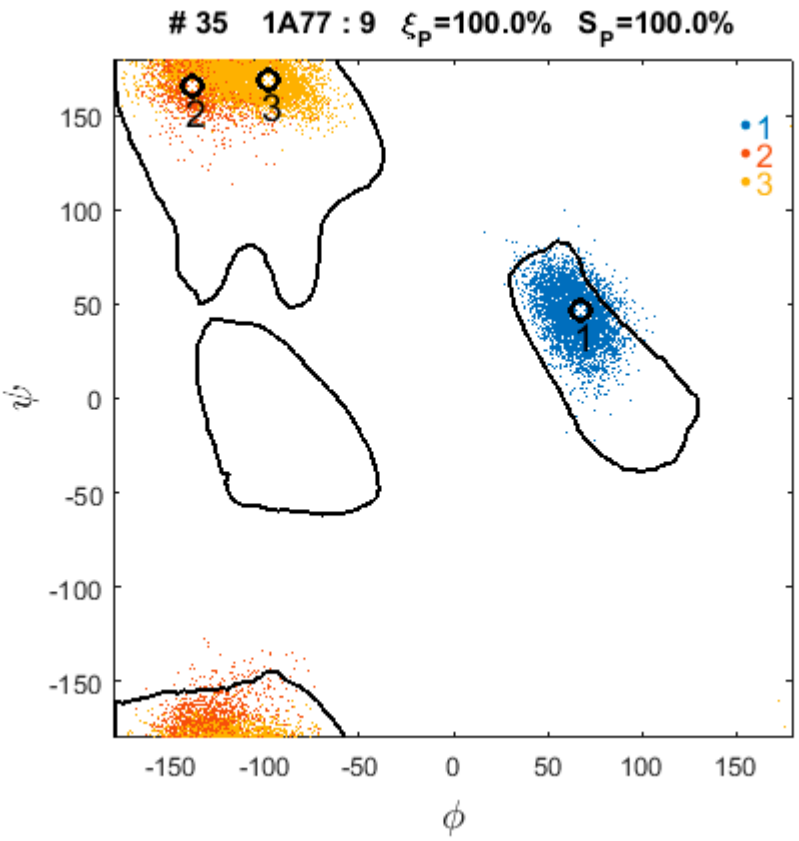

m0=112.68 m1=4.58
q = -1
300
200
100
0
0 100 200 300
S,A^2

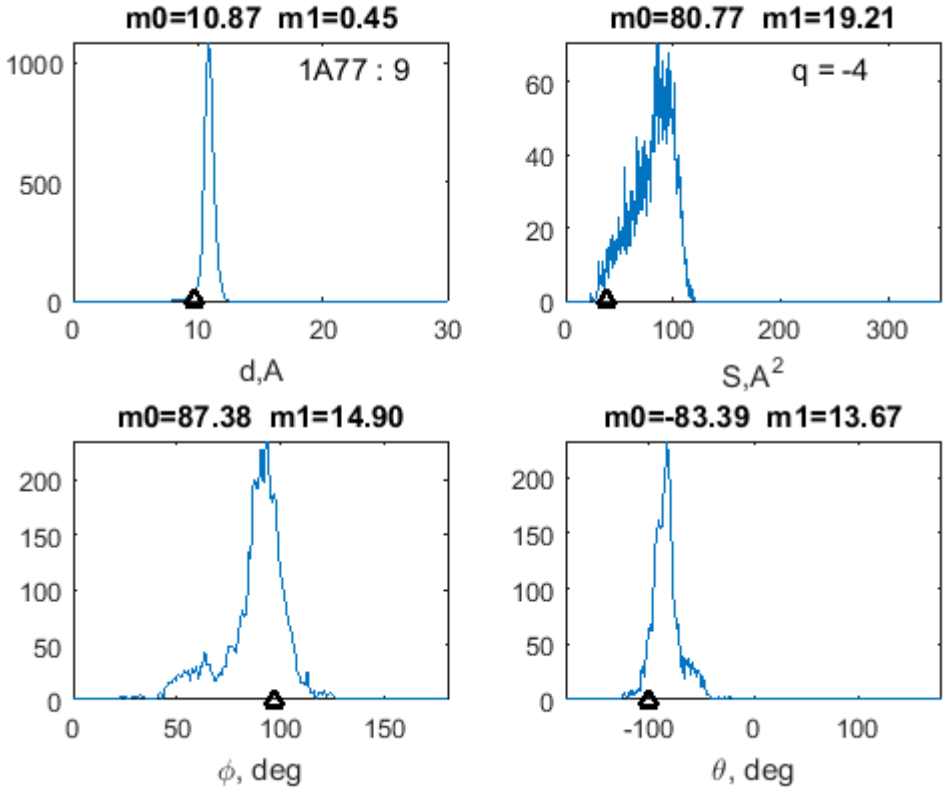

m0=54.96 m1=6.96
300
200
100
0
0 50 100 150
ϕ, deg

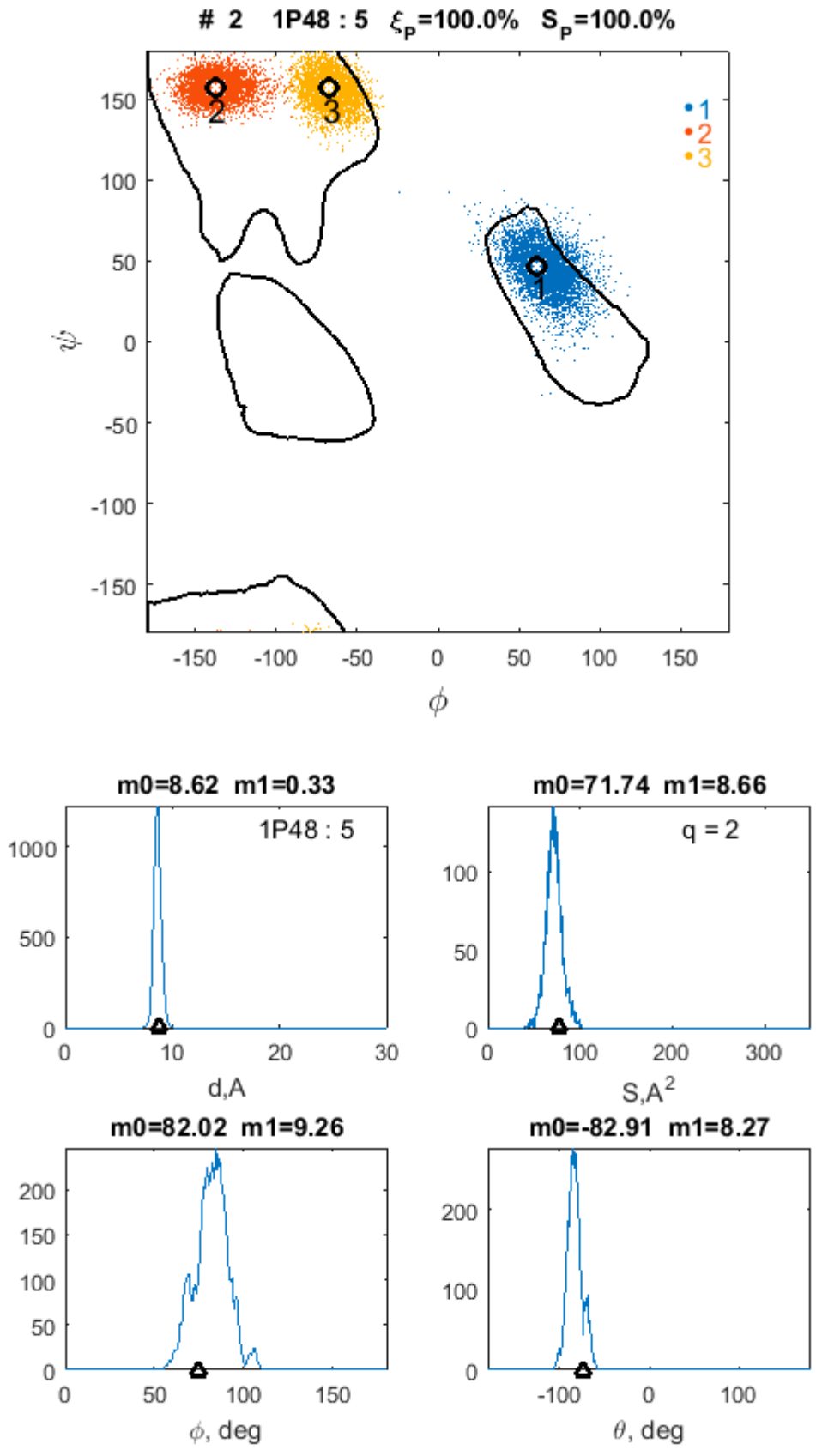

m0=-48.76 m1=5.04
300
200
100
0
-100 0 100
θ, deg

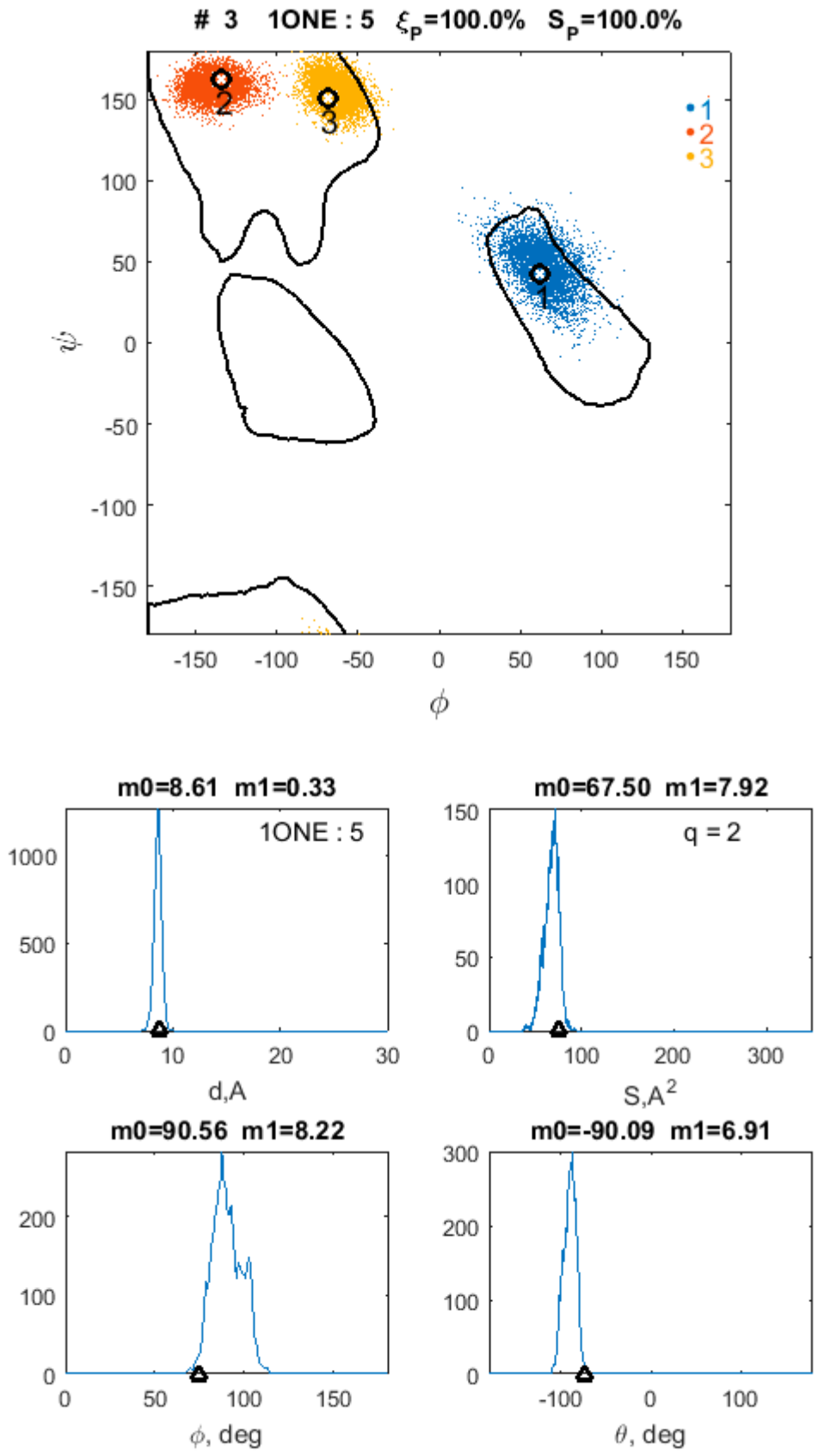

5 2ANI : 8 ξ_P=99.5% S_P=100.0%
1
2
3
ψ
ϕ
m0=9.74 m1=1.93
2ANI : 8
d,A
m0=50.47 m1=14.22
q = -3
S,A^2
m0=33.02 m1=11.39
ϕ, deg
m0=-34.92 m1=12.83
θ, deg

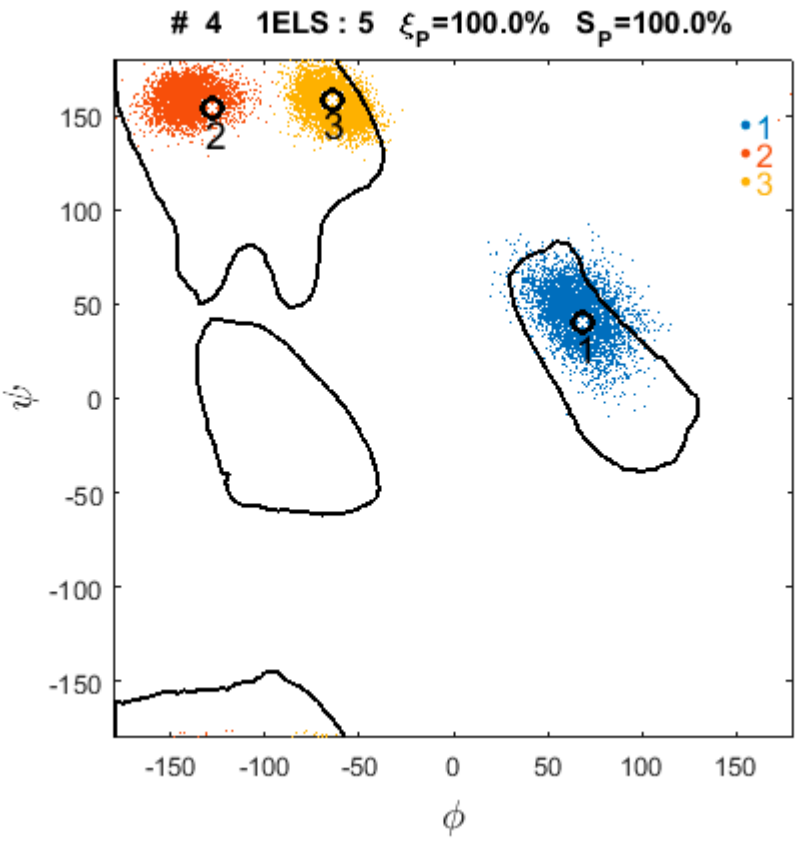

24 2F93 : 3 ξ_P=99.9% S_P=100.0%
1
2
3
ψ
ϕ
m0=9.88 m1=0.45
2F93 : 3
d,A
m0=304.89 m1=31.80
q = 0
S,A^2
m0=8.88 m1=3.68
ϕ, deg
m0=-8.55 m1=3.43
θ, deg

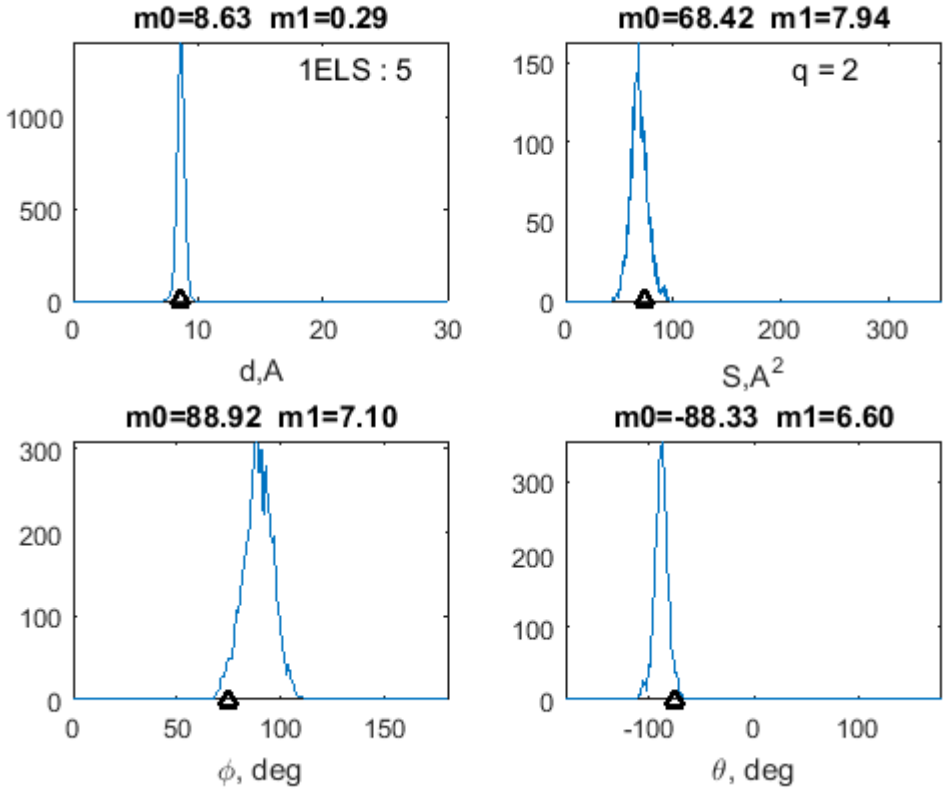

35 1A77 : 9 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

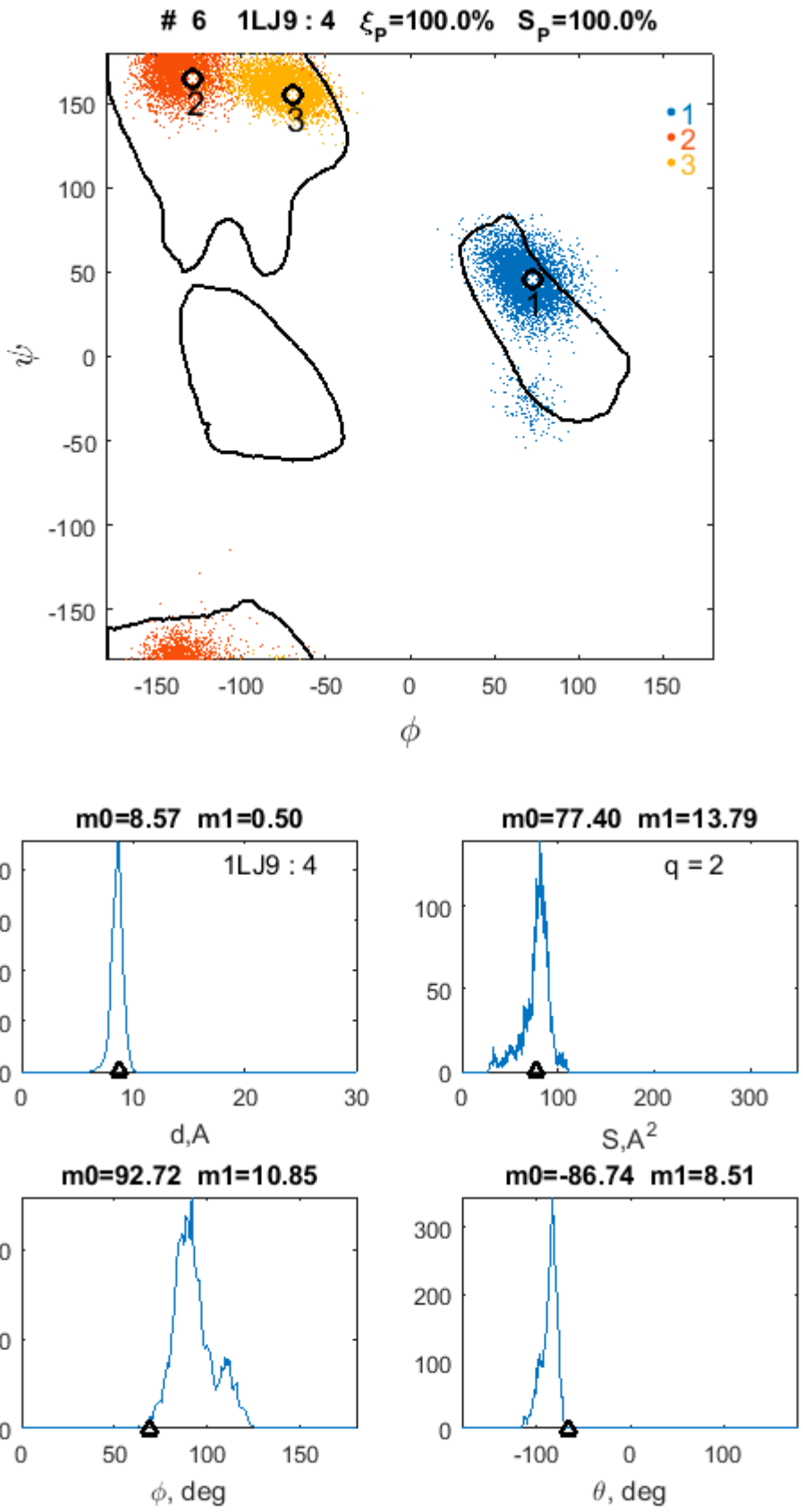

m0=10.87 m1=0.45
1A77 : 9
d,A
m0=80.77 m1=19.21
q = -4
S,A^2
m0=87.38 m1=14.90
ϕ, deg
m0=-83.39 m1=13.67
θ, deg

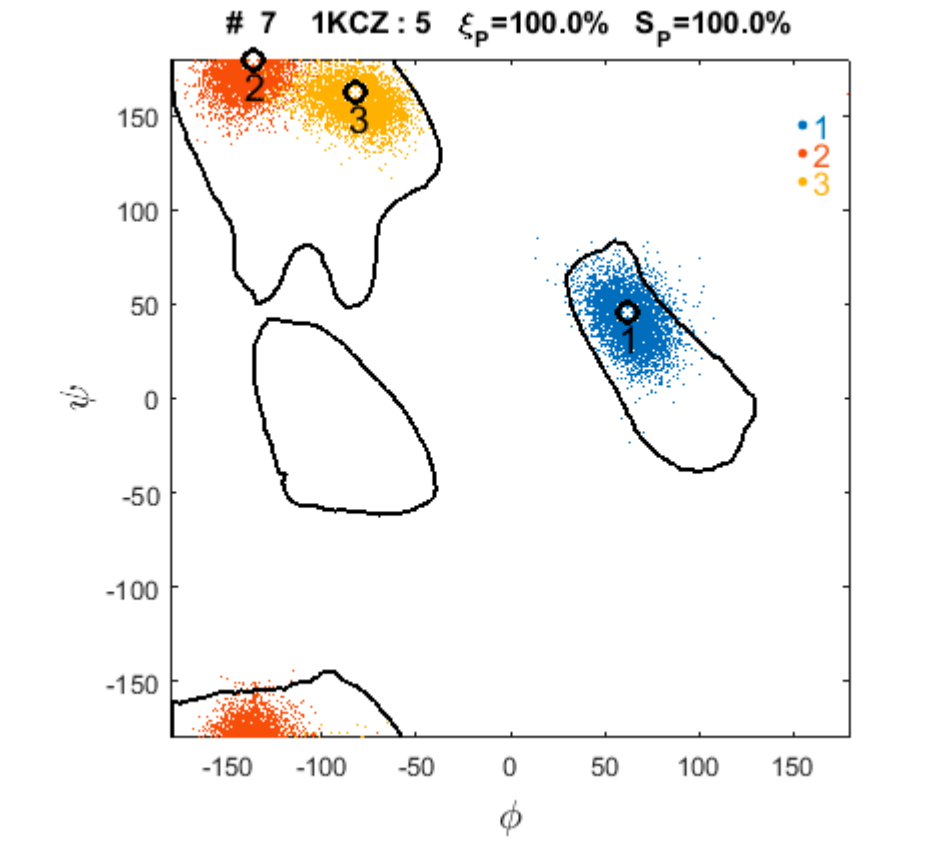

2 1P48 : 5 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=8.62 m1=0.33
1P48 : 5
d,A
m0=71.74 m1=8.66
q = 2
S,A^2
m0=82.02 m1=9.26
ϕ, deg
m0=-82.91 m1=8.27
θ, deg

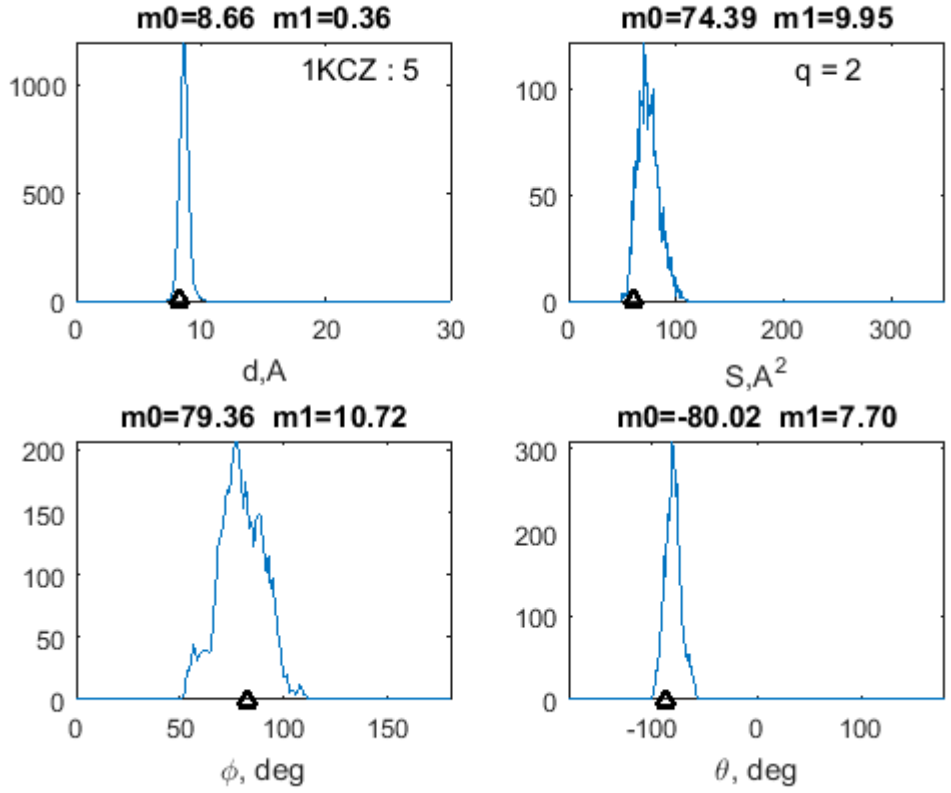

3 1ONE : 5 ξ_p=100.0% S_p=100.0%
1
2
3
ψ
ϕ
m0=8.61 m1=0.33
1ONE : 5
d,A
m0=67.50 m1=7.92
q = 2
S,A^2
m0=90.56 m1=8.22
ϕ, deg
m0=-90.09 m1=6.91
θ, deg

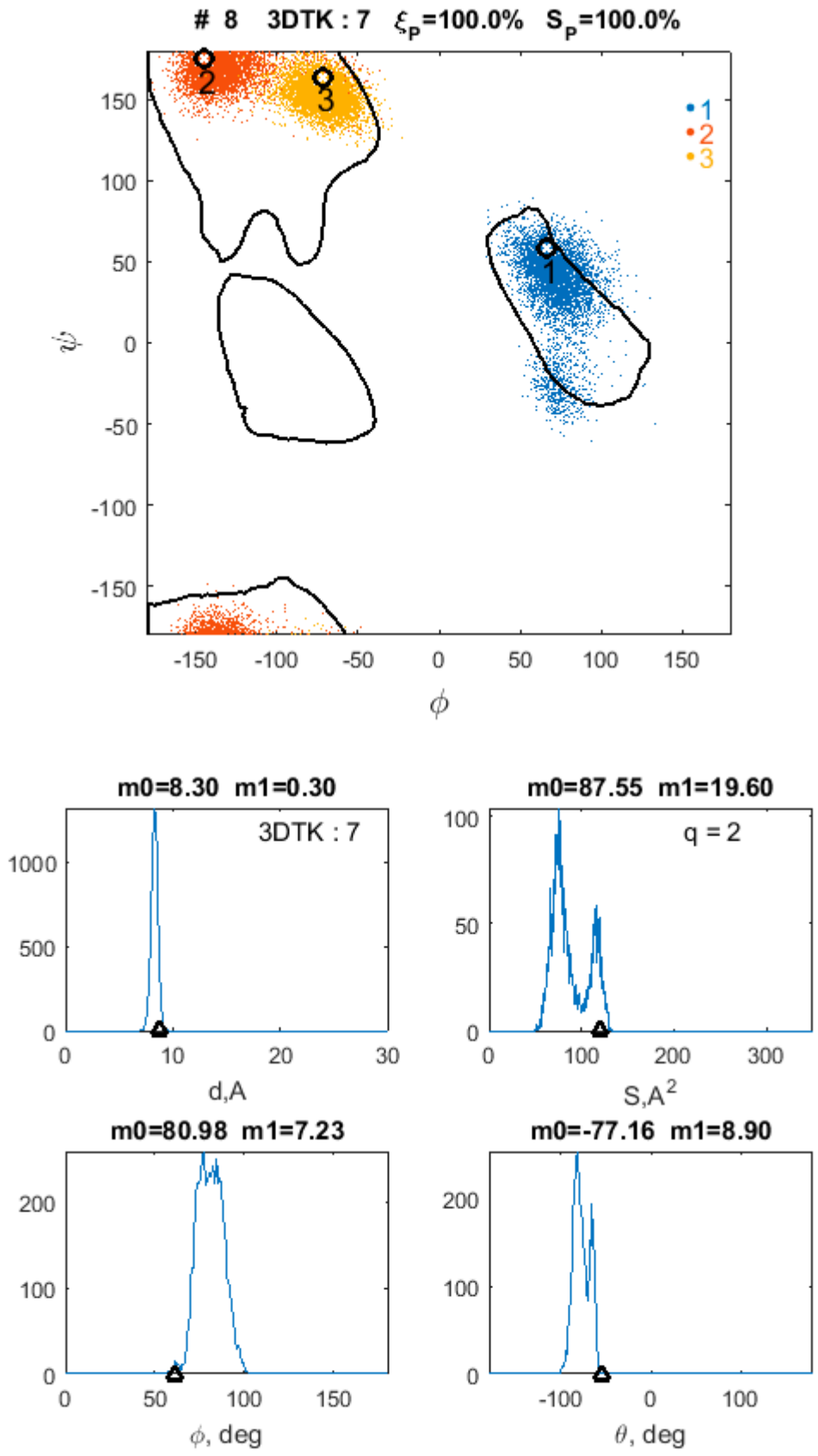

4 1ELS : 5 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

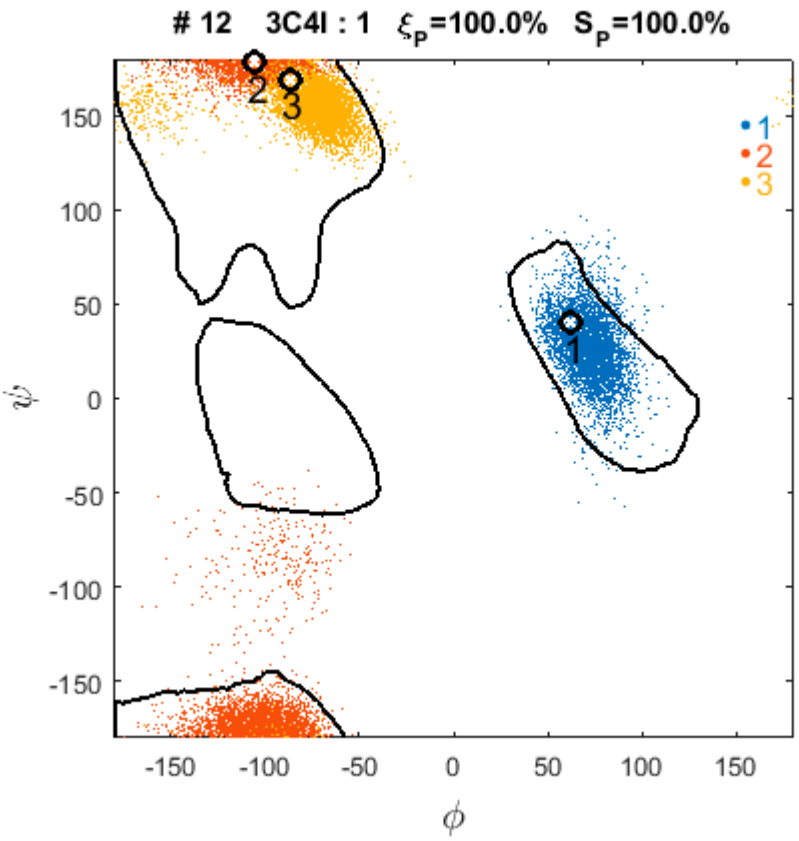

m0=8.63 m1=0.29
1ELS : 5
d,A
m0=68.42 m1=7.94
q = 2
S,A^2
m0=88.92 m1=7.10
ϕ, deg
m0=-88.33 m1=6.60
θ, deg

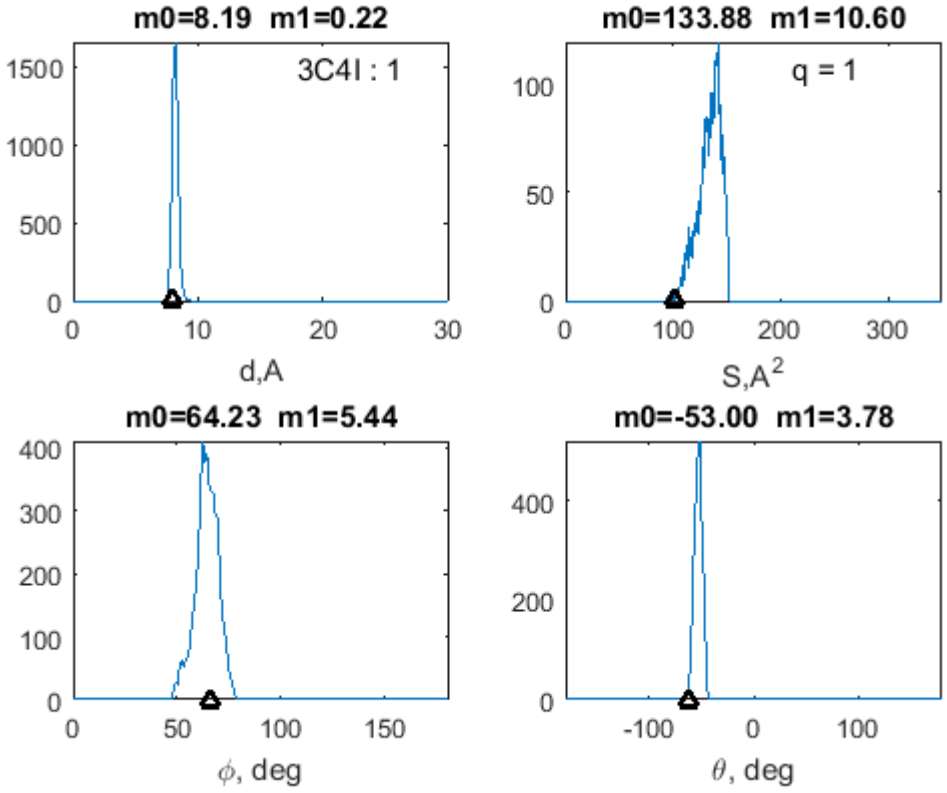

6 1LJ9 : 4 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=8.57 m1=0.50
1LJ9 : 4
d,A
m0=77.40 m1=13.79
q = 2
S,A^2
m0=92.72 m1=10.85
ϕ, deg
m0=-86.74 m1=8.51
θ, deg

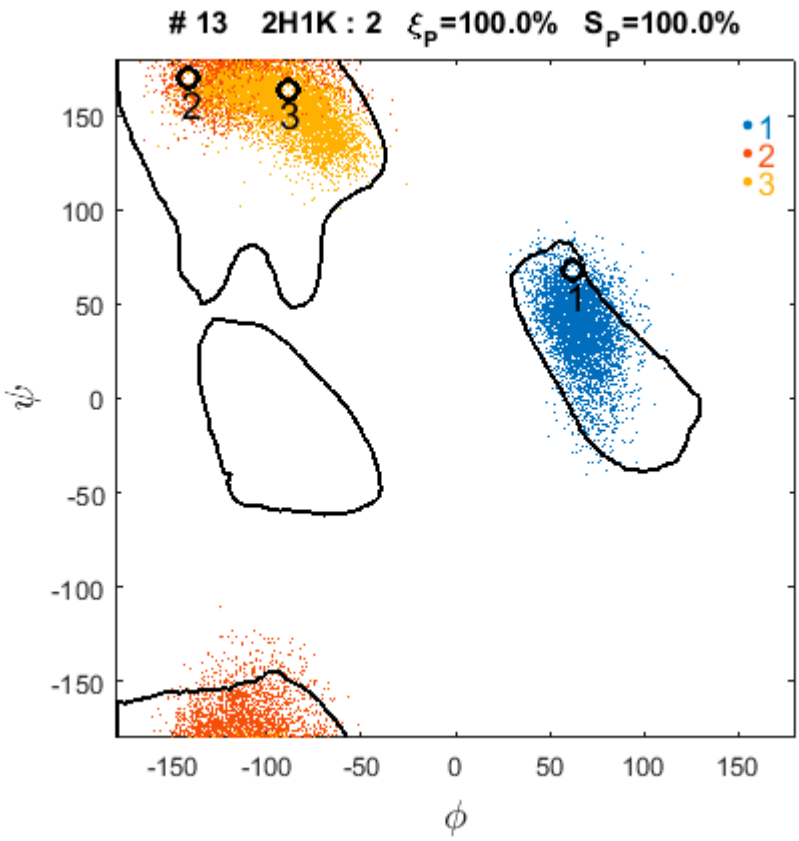

7 1KCZ : 5 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

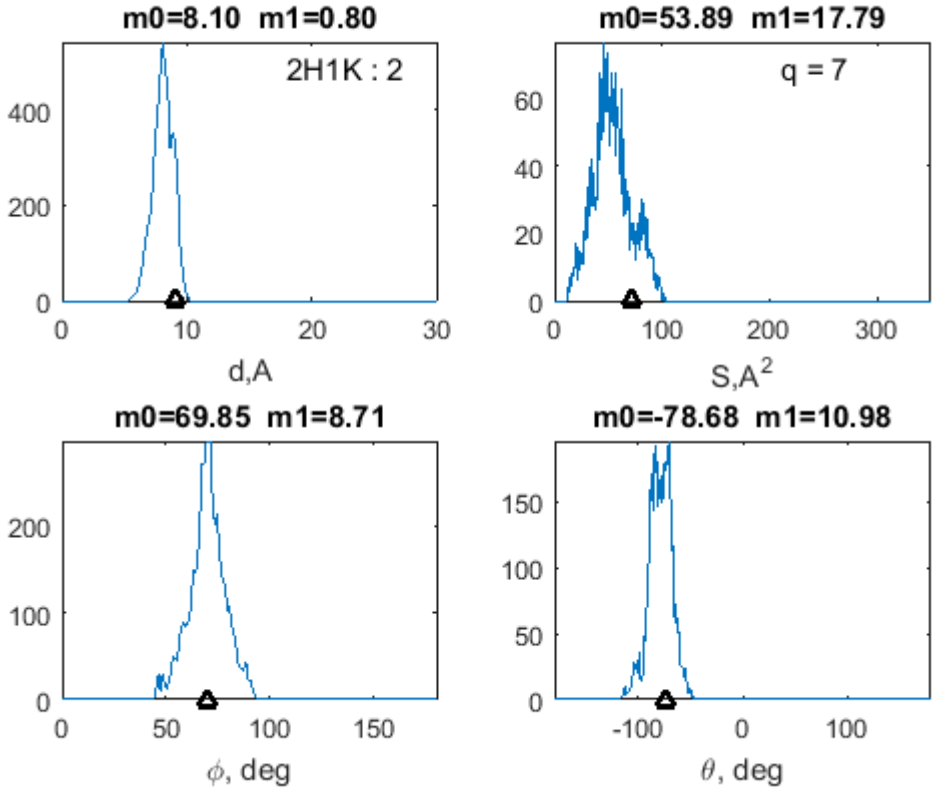

m0=8.66 m1=0.36
1KCZ : 5
d,A
m0=74.39 m1=9.95
q = 2
S,A^2
m0=79.36 m1=10.72
ϕ, deg
m0=-80.02 m1=7.70
θ, deg

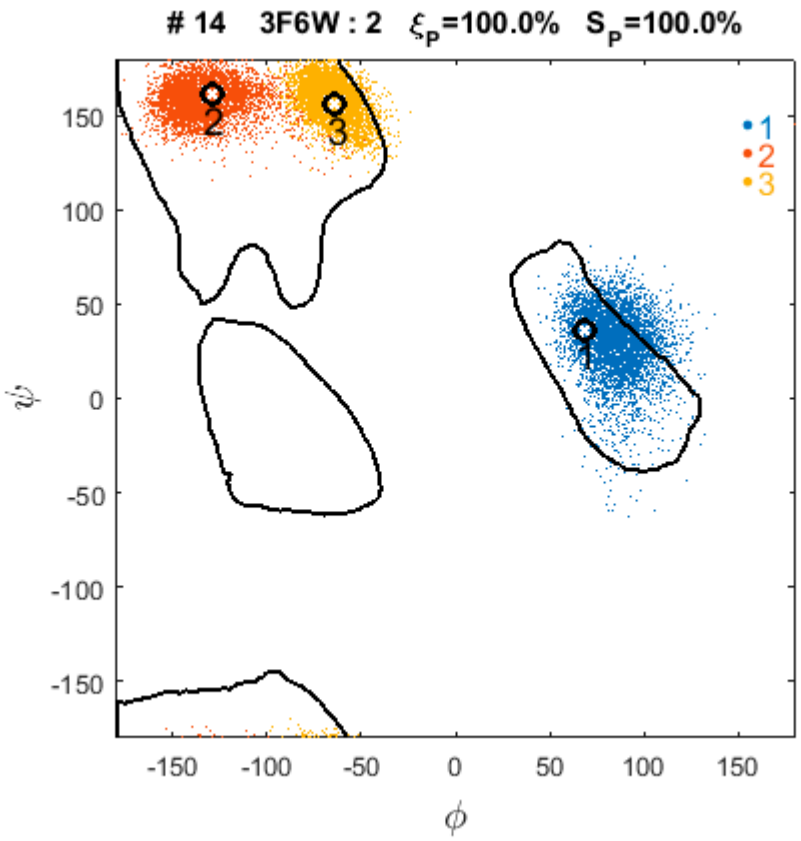

8 3DTK : 7 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=8.30 m1=0.30
3DTK : 7
d,A
m0=87.55 m1=19.60
q = 2
S,A^2
m0=80.98 m1=7.23
ϕ, deg
m0=-77.16 m1=8.90
θ, deg

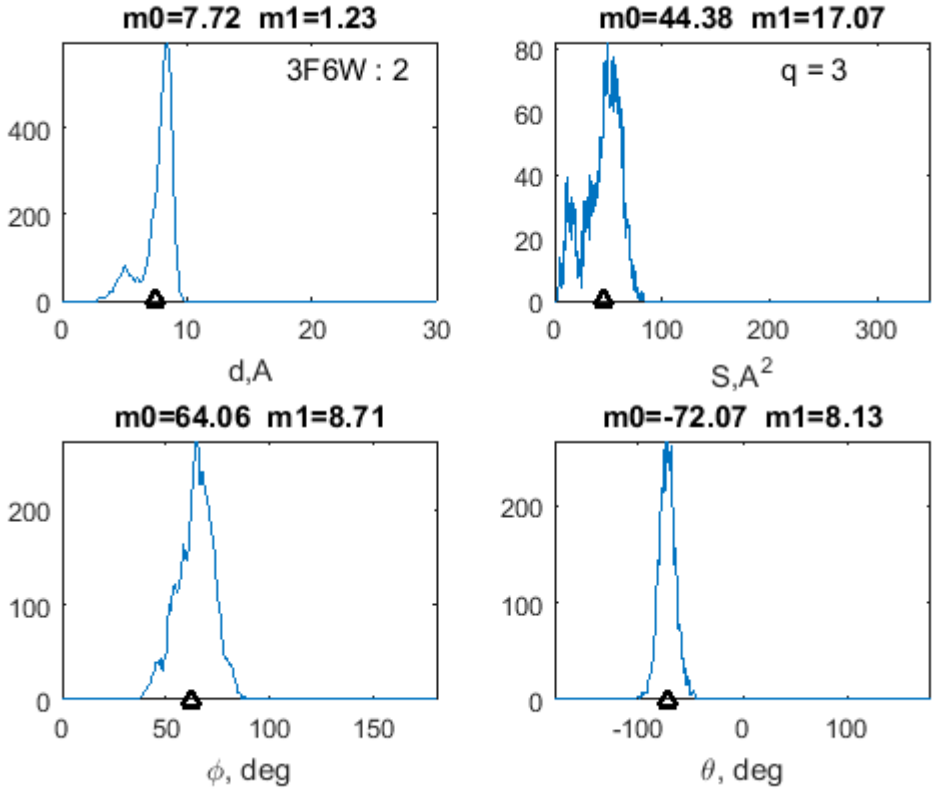

12 3C4I : 1 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

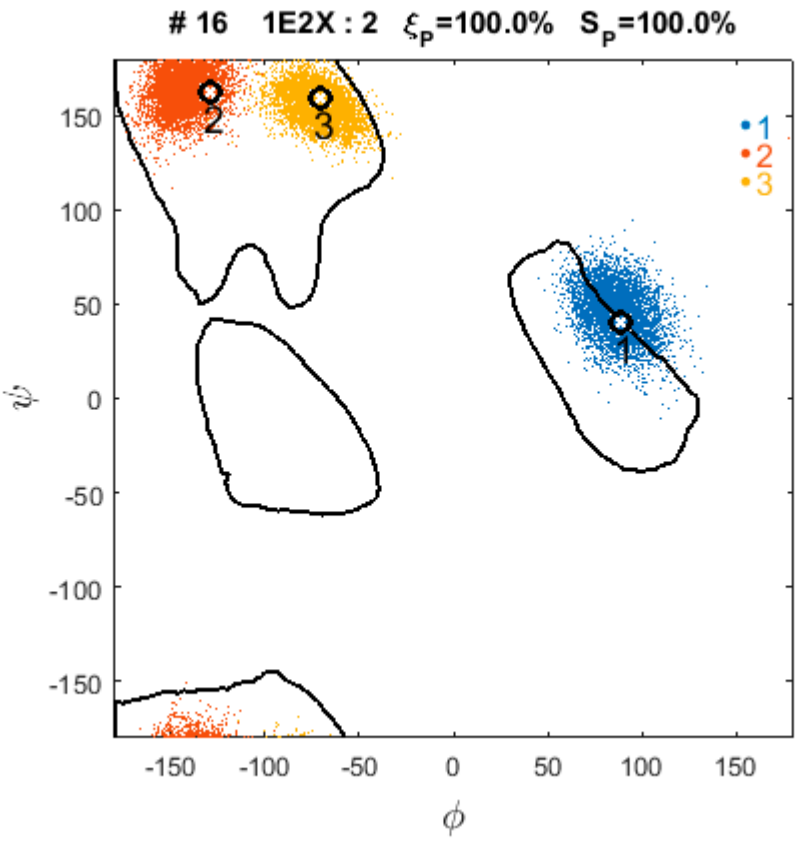

m0=8.19 m1=0.22
3C4I : 1
d,A
m0=133.88 m1=10.60
q = 1
S,A^2
m0=64.23 m1=5.44
ϕ, deg
m0=-53.00 m1=3.78
θ, deg

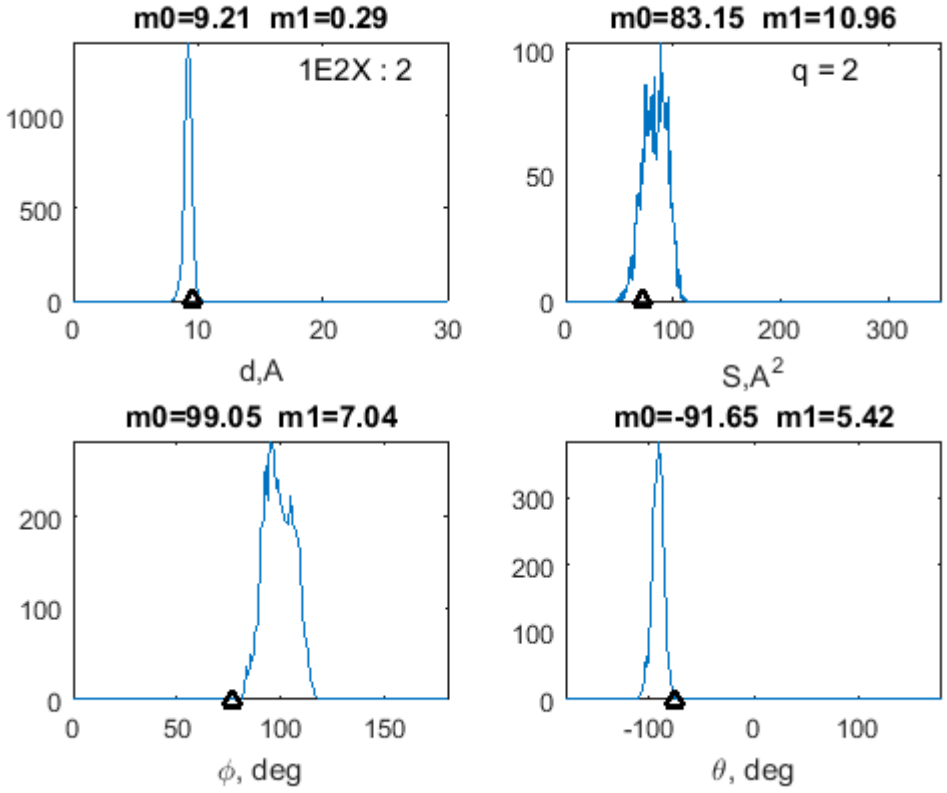

13 2H1K : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

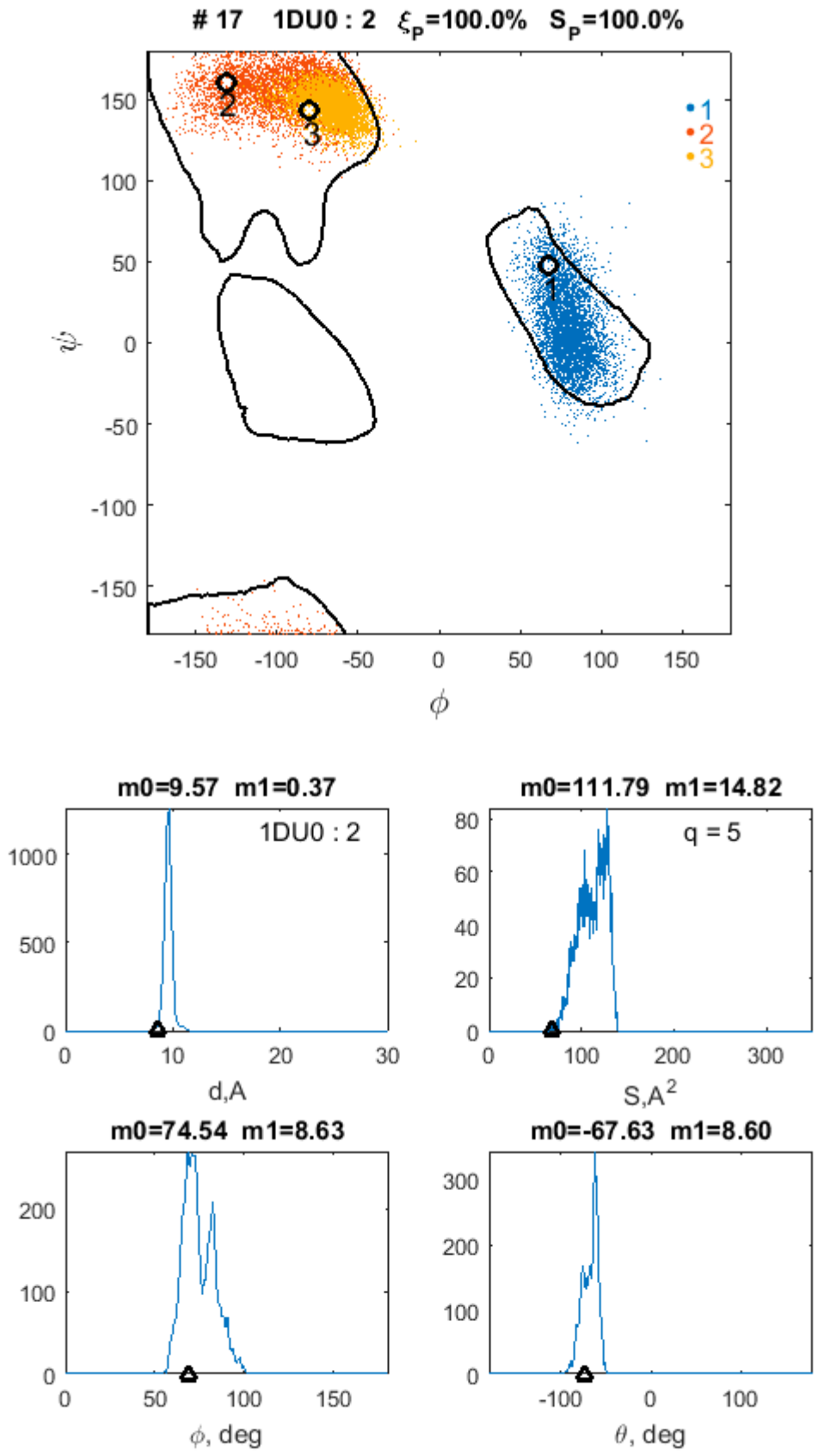

m0=8.10 m1=0.80
2H1K : 2
d,A
m0=53.89 m1=17.79
q = 7
S,A^2
m0=69.85 m1=8.71
ϕ, deg
m0=-78.68 m1=10.98
θ, deg

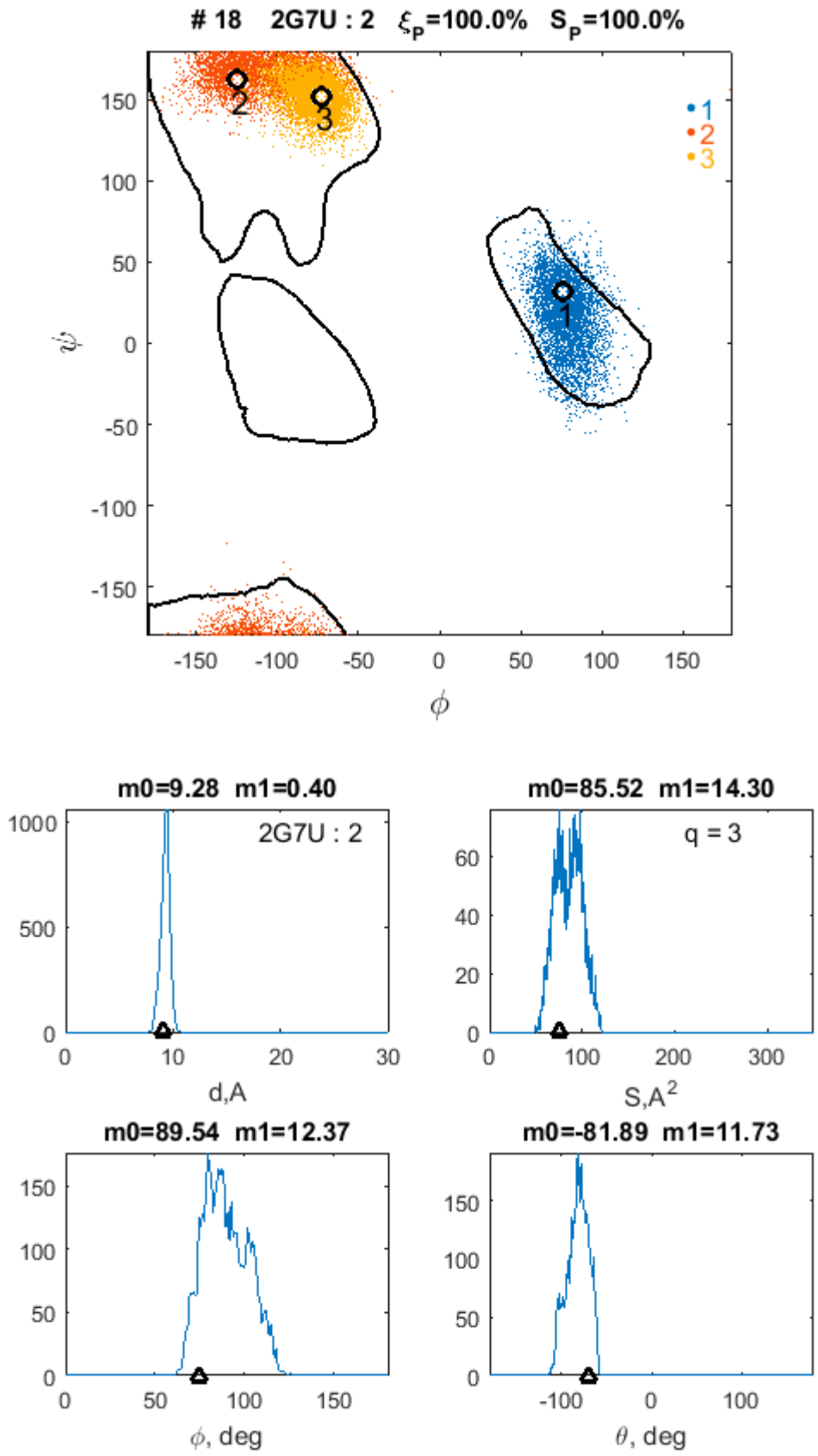

14 3F6W : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

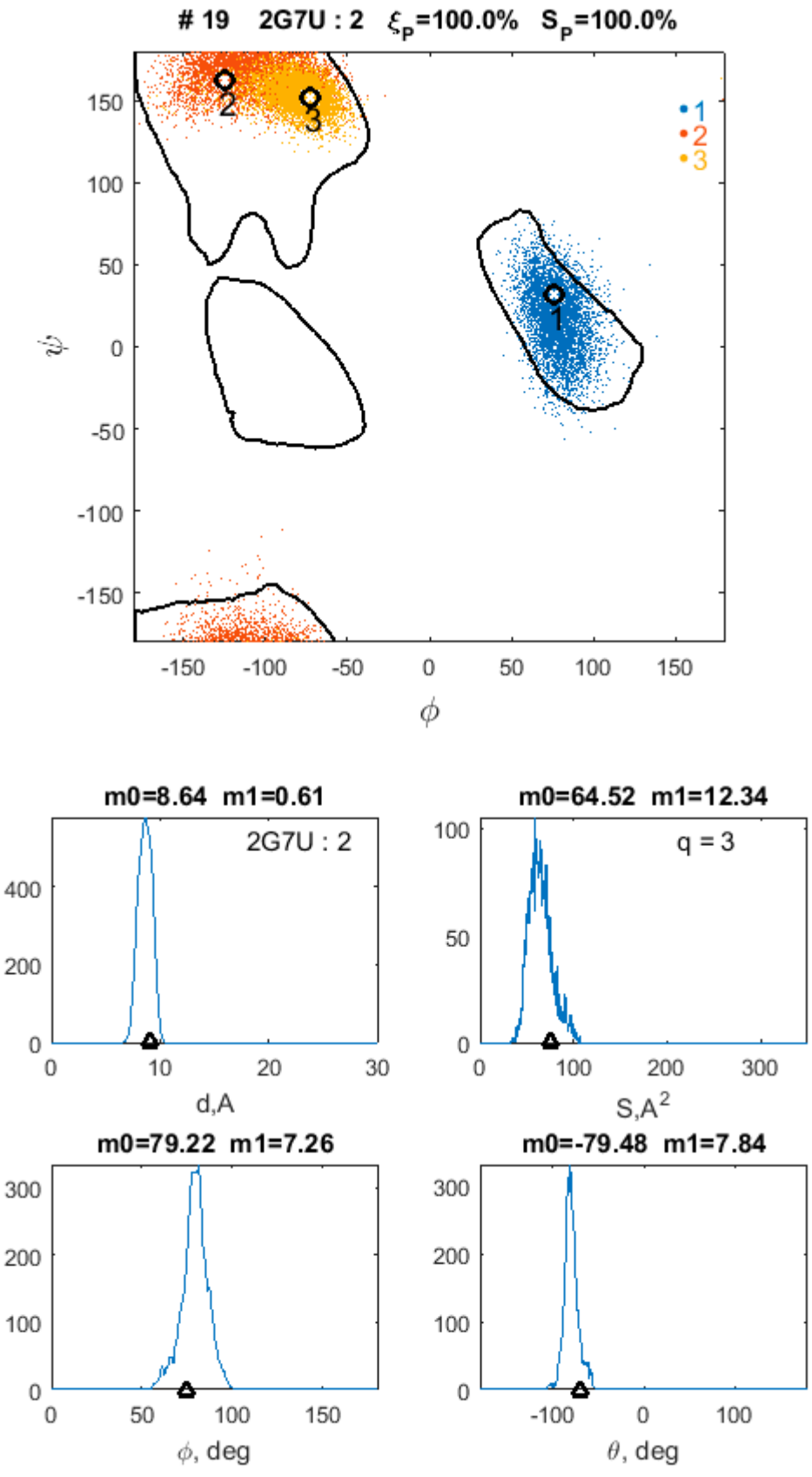

m0=7.72 m1=1.23
3F6W : 2
d,A
m0=44.38 m1=17.07
q = 3
S,A^2
m0=64.06 m1=8.71
ϕ, deg
m0=-72.07 m1=8.13
θ, deg

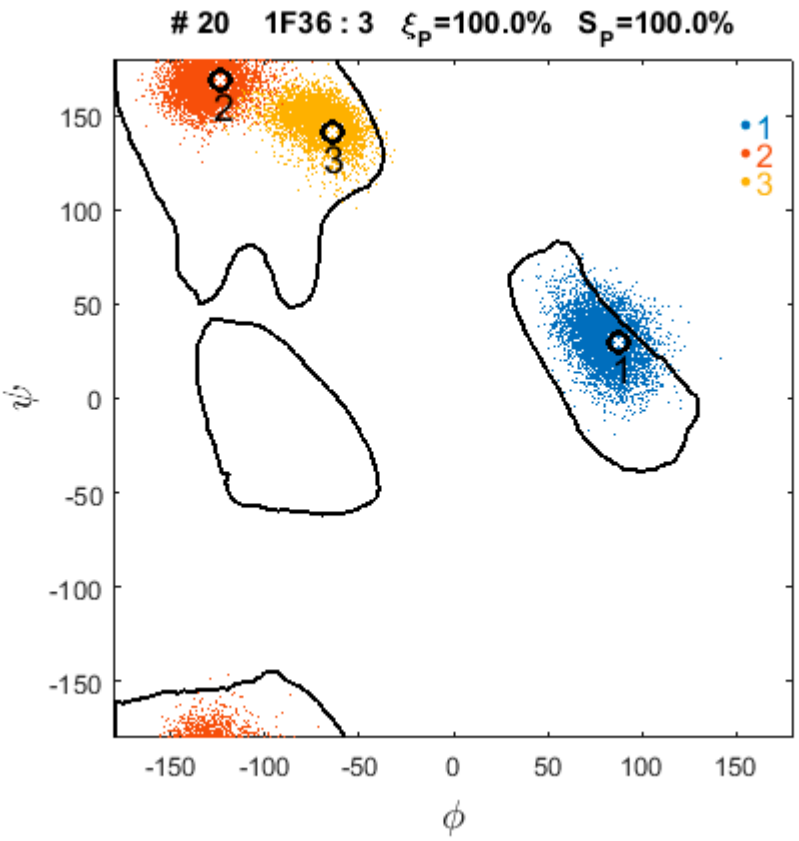

16 1E2X : 2 ξ_p=100.0% S_p=100.0%
1
2
3
ψ
ϕ

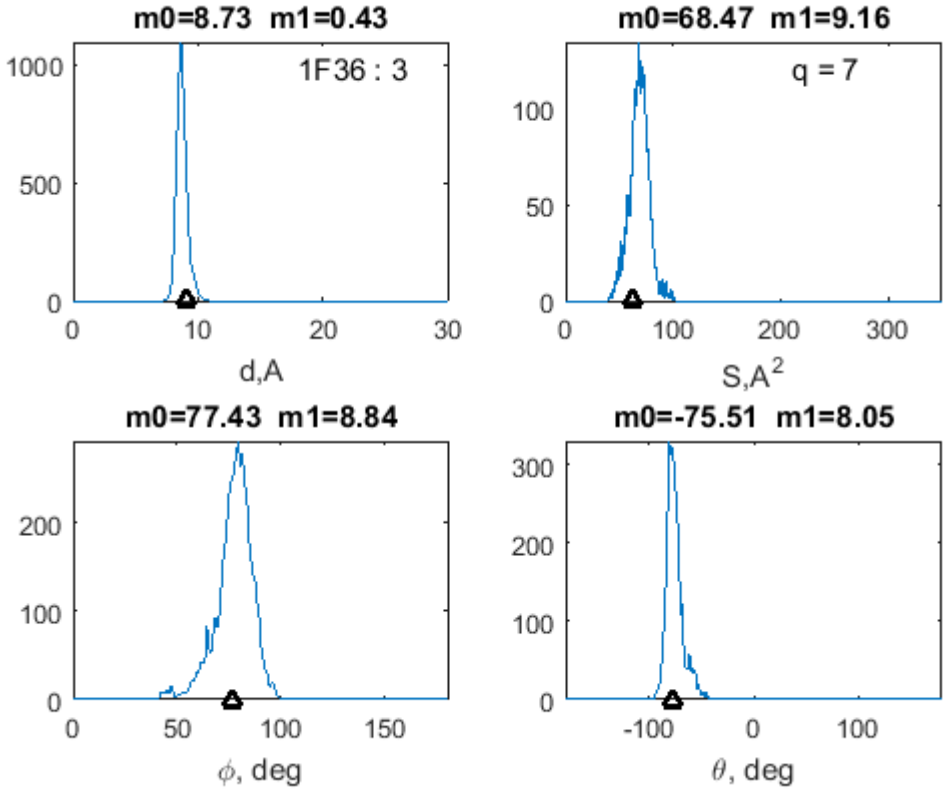

m0=9.21 m1=0.29
1E2X : 2
d,A
m0=83.15 m1=10.96
q = 2
S,A^2
m0=99.05 m1=7.04
ϕ, deg
m0=-91.65 m1=5.42
θ, deg

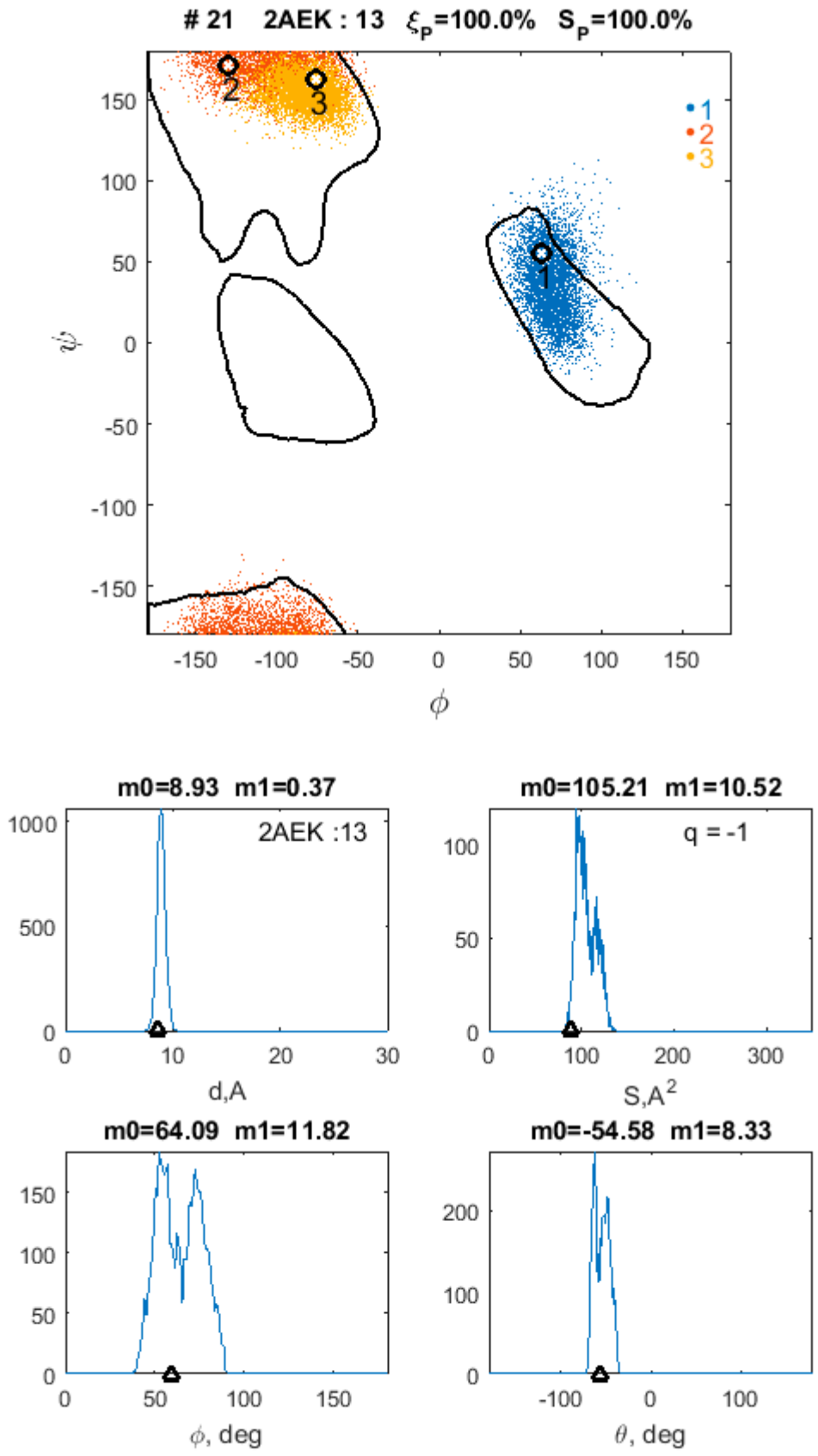

17 1DU0 : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=9.57 m1=0.37
1DU0 : 2
d,A
m0=111.79 m1=14.82
q = 5
S,A^2
m0=74.54 m1=8.63
ϕ, deg
m0=-67.63 m1=8.60
θ, deg

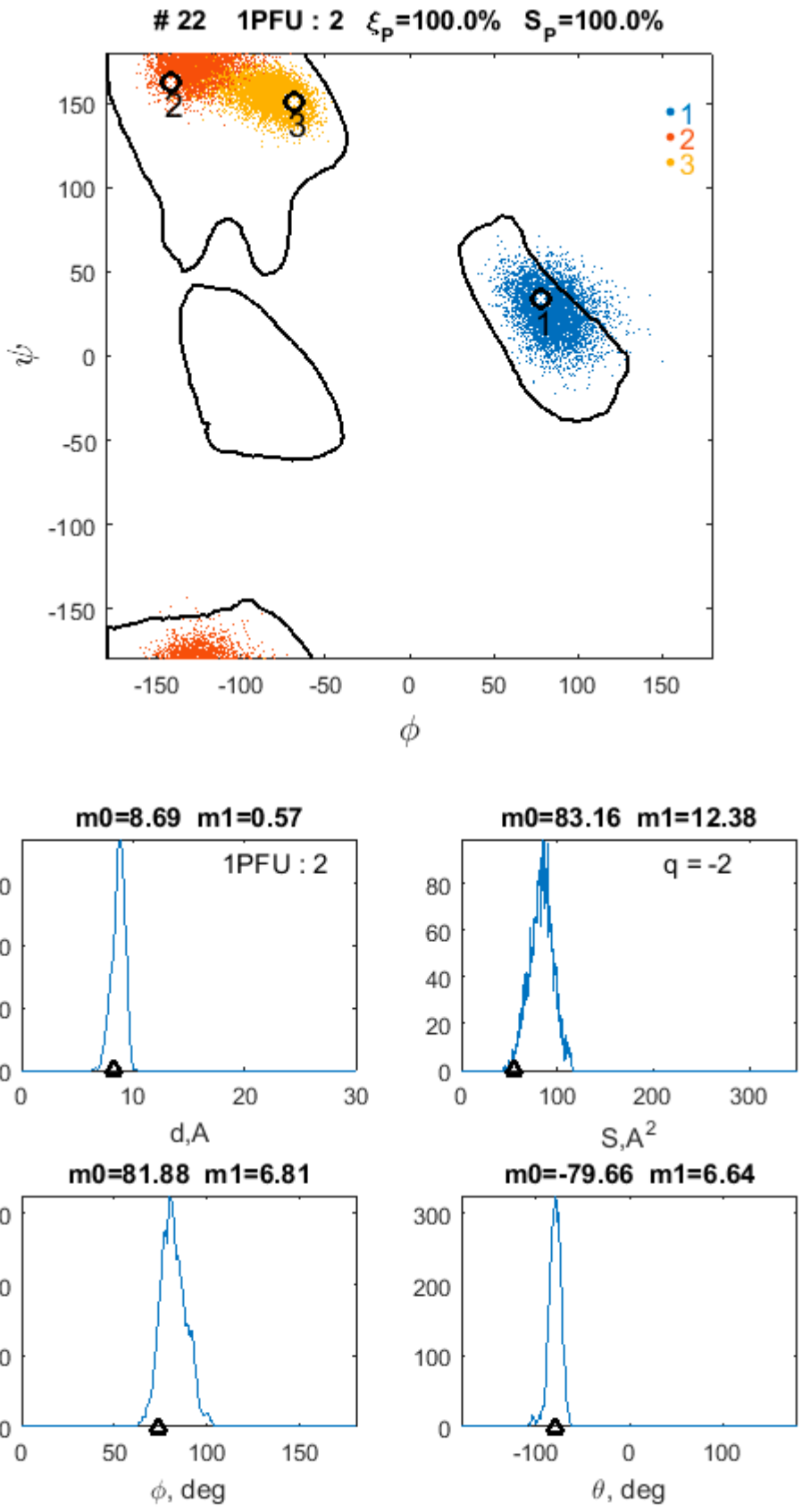

18 2G7U : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=9.28 m1=0.40
2G7U : 2
d,A
m0=85.52 m1=14.30
q = 3
S,A^2
m0=89.54 m1=12.37
ϕ, deg
m0=-81.89 m1=11.73
θ, deg

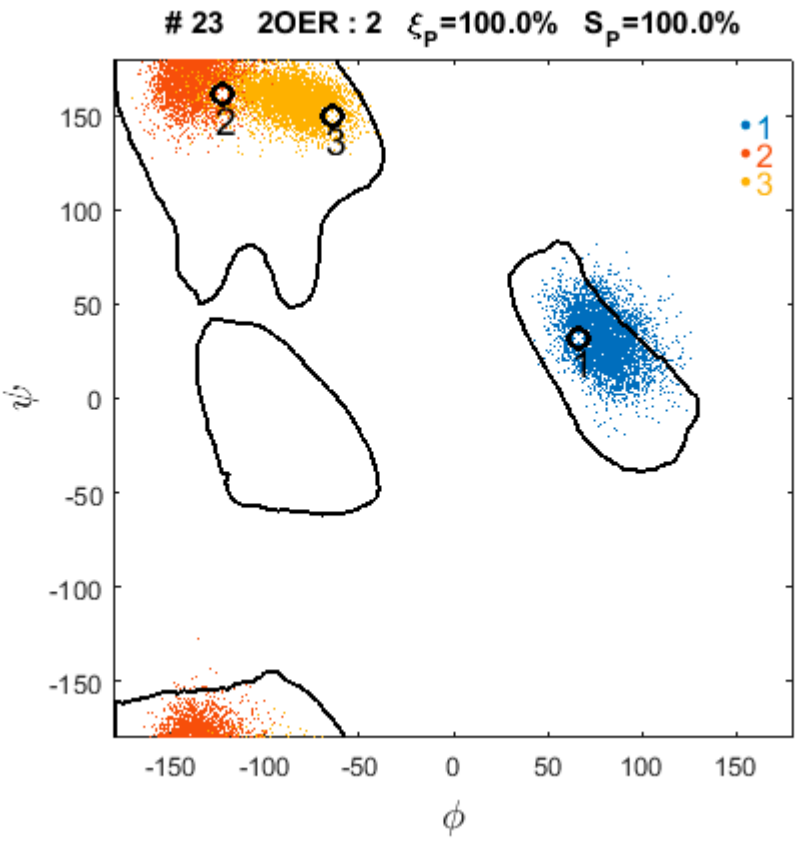

19 2G7U : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=8.64 m1=0.61
2G7U : 2
d,A
m0=64.52 m1=12.34
q = 3
S,A^2
m0=79.22 m1=7.26
ϕ, deg
m0=-79.48 m1=7.84
θ, deg

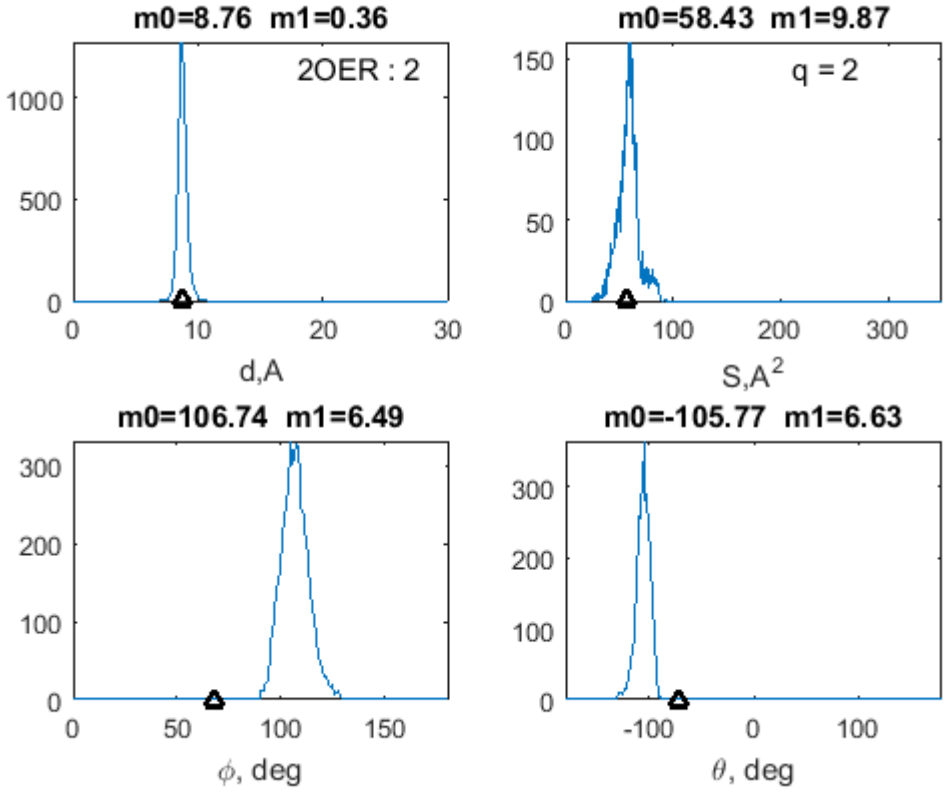

20 1F36 : 3 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

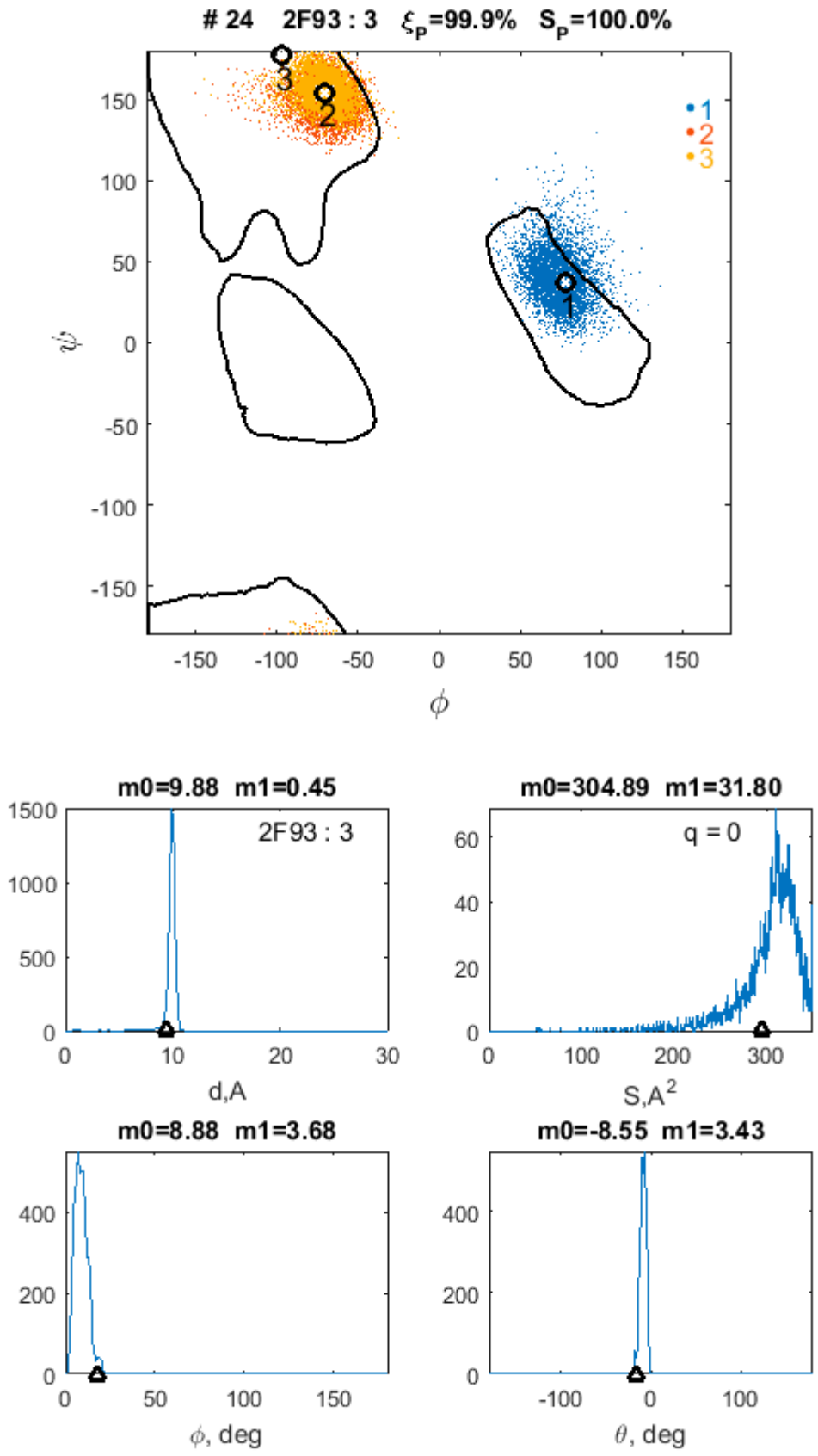

m0=8.73 m1=0.43
1F36 : 3
d,A
m0=68.47 m1=9.16
q = 7
S,A^2
m0=77.43 m1=8.84
ϕ, deg
m0=-75.51 m1=8.05
θ, deg

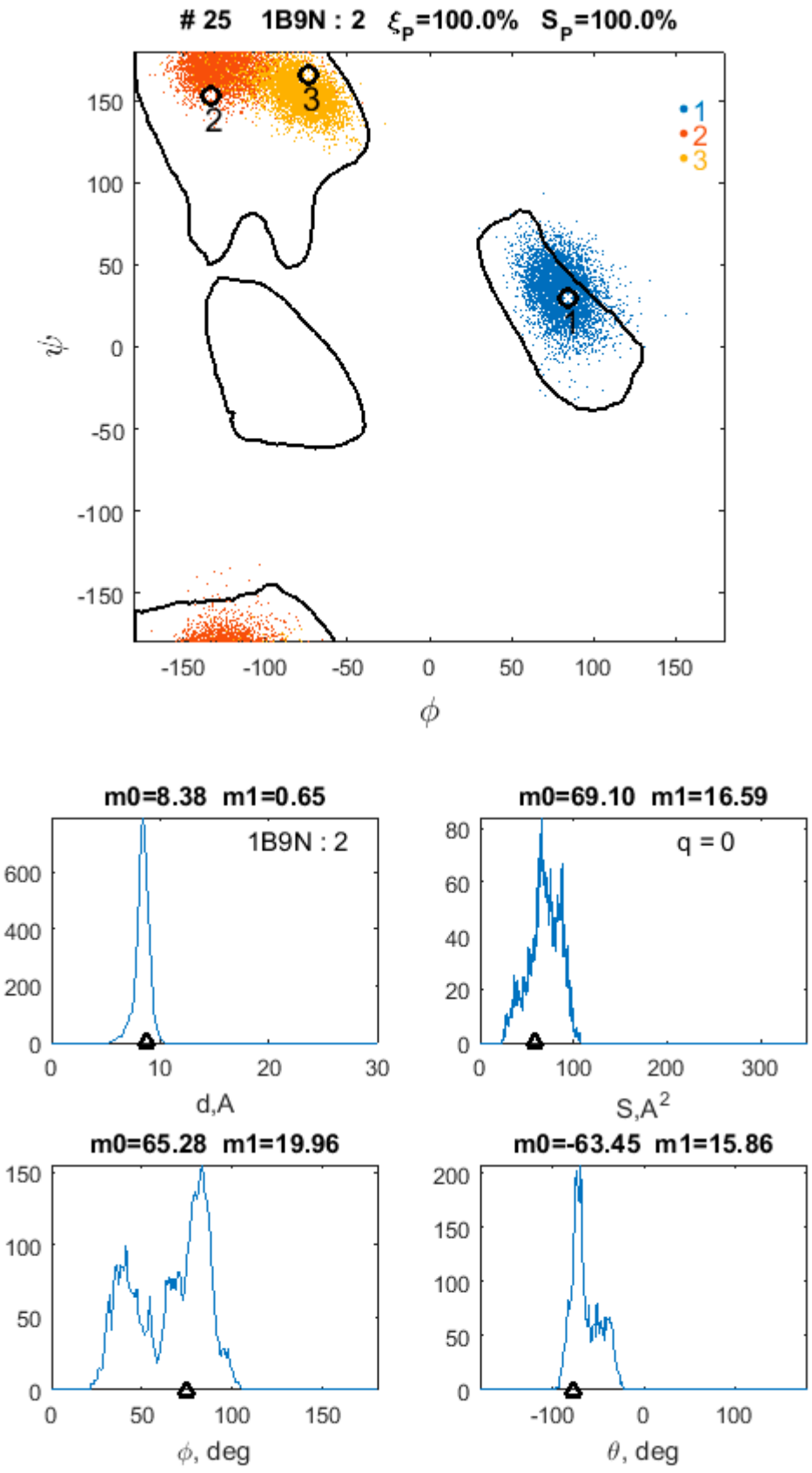

21 2AEK : 13 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=8.93 m1=0.37
2AEK :13
d,A
m0=105.21 m1=10.52
q = -1
S,A^2
m0=64.09 m1=11.82
ϕ, deg
m0=-54.58 m1=8.33
θ, deg

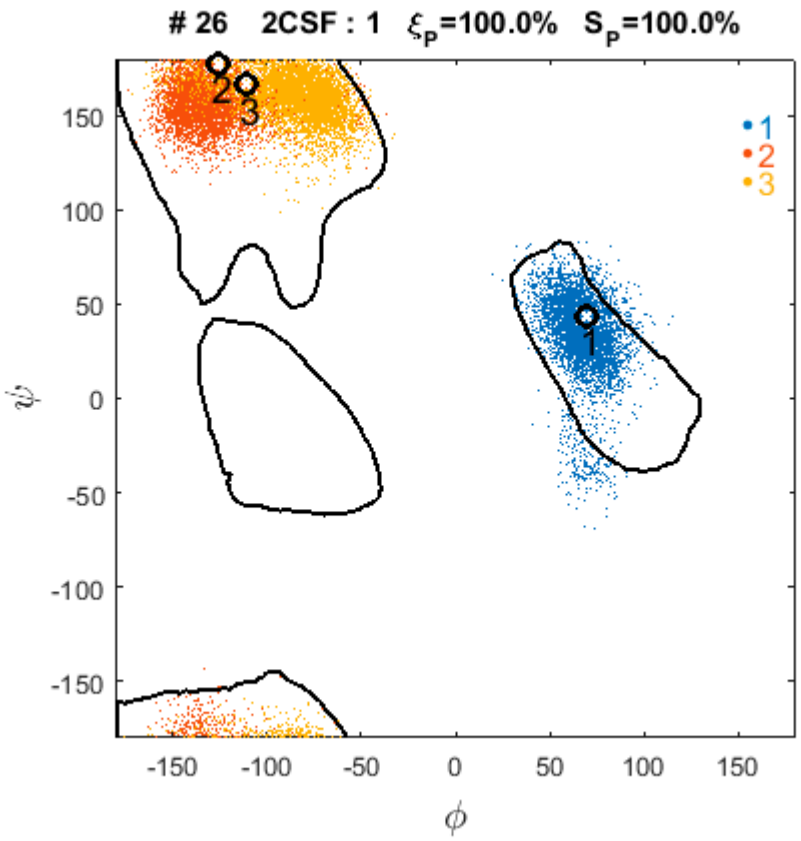

22 1PFU : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=8.69 m1=0.57
1PFU : 2
d,A
m0=83.16 m1=12.38
q = -2
S,A^2
m0=81.88 m1=6.81
ϕ, deg
m0=-79.66 m1=6.64
θ, deg

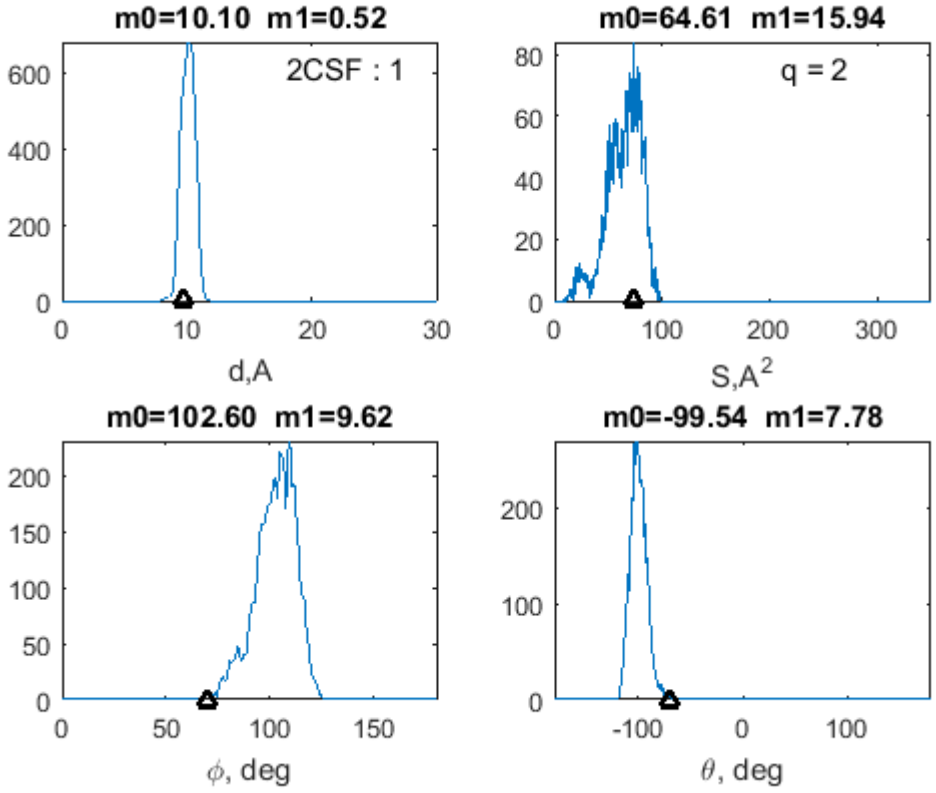

23 2OER : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

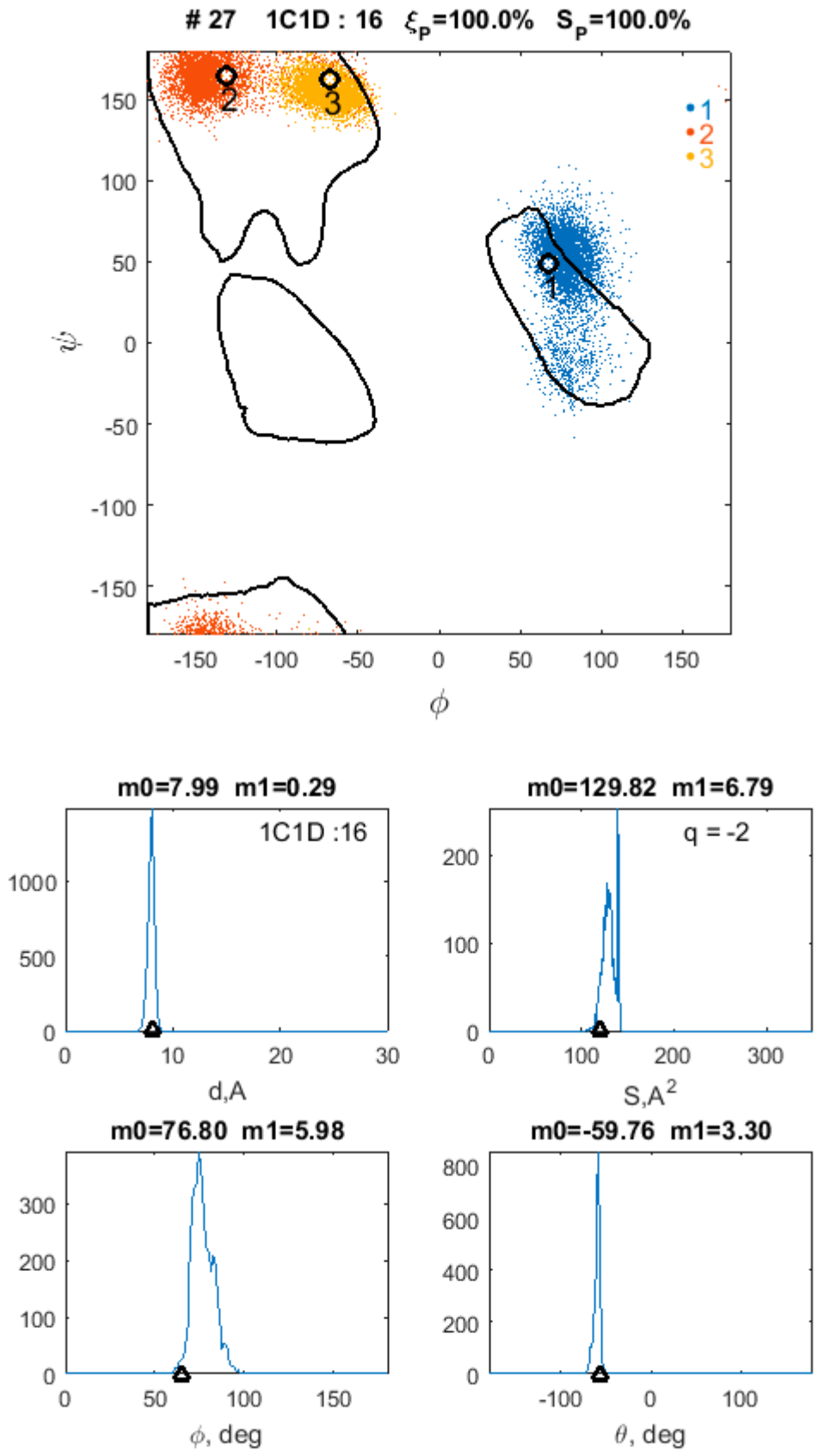

m0=8.76 m1=0.36
2OER : 2
d,A
m0=58.43 m1=9.87
q = 2
S,A^2
m0=106.74 m1=6.49
ϕ, deg
m0=-105.77 m1=6.63
θ, deg

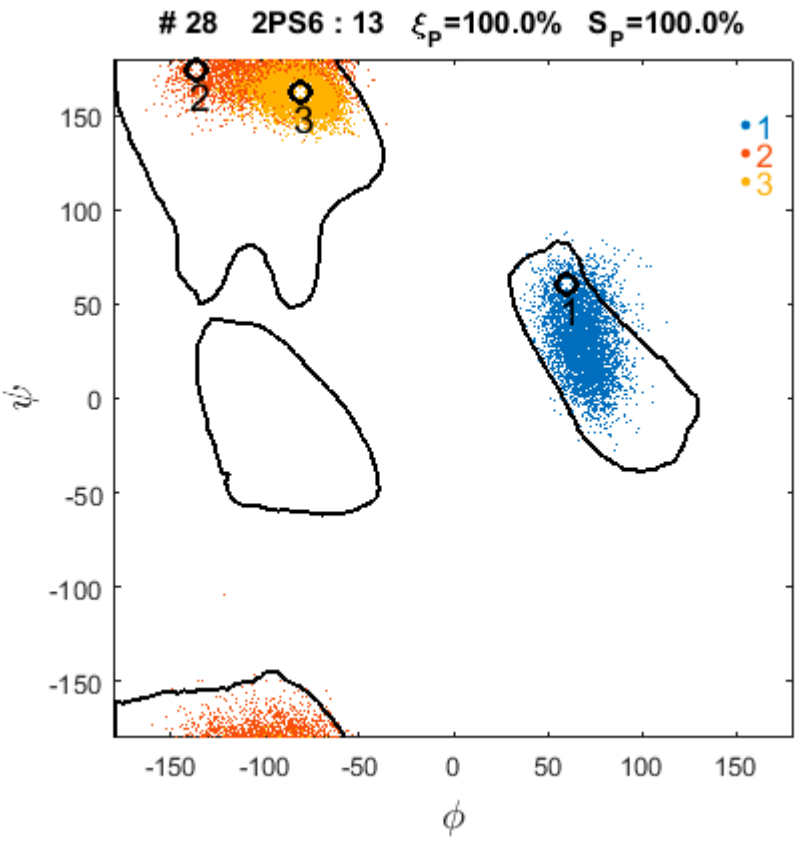

24 2F93 : 3 ξ_P=99.9% S_P=100.0%
1
2
3
ψ
ϕ
m0=9.88 m1=0.45
2F93 : 3
d,A
m0=304.89 m1=31.80
q = 0
S,A^2
m0=8.88 m1=3.68
ϕ, deg
m0=-8.55 m1=3.43
θ, deg

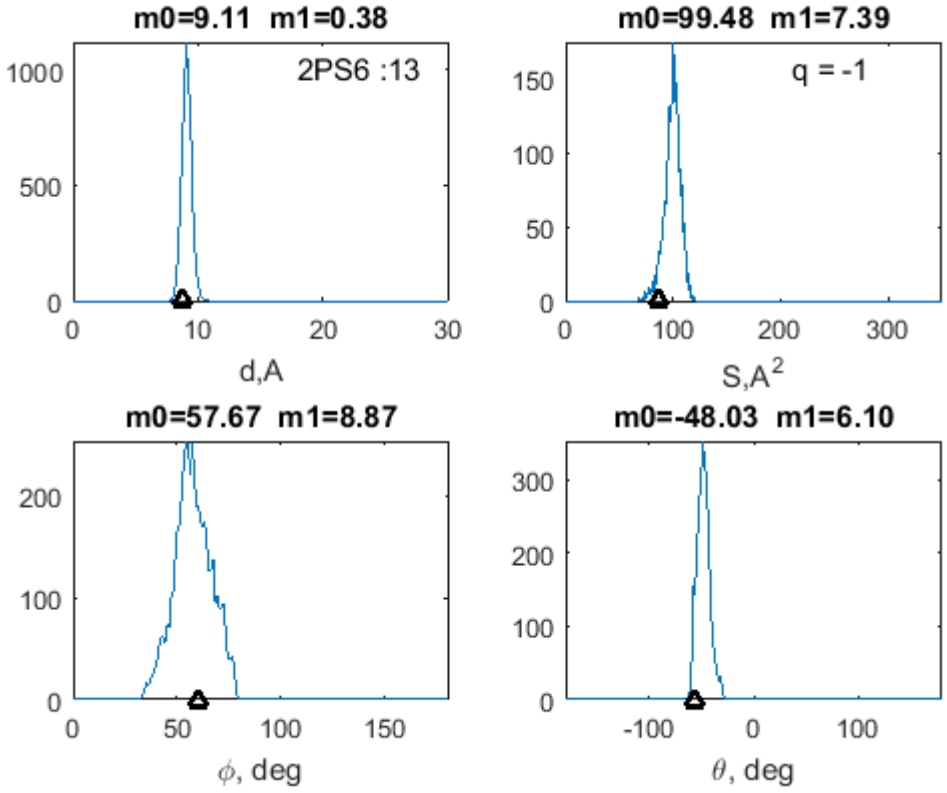

25 1B9N : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=8.38 m1=0.65
1B9N : 2
d,A
m0=69.10 m1=16.59
q = 0
S,A^2
m0=65.28 m1=19.96
ϕ, deg
m0=-63.45 m1=15.86
θ, deg

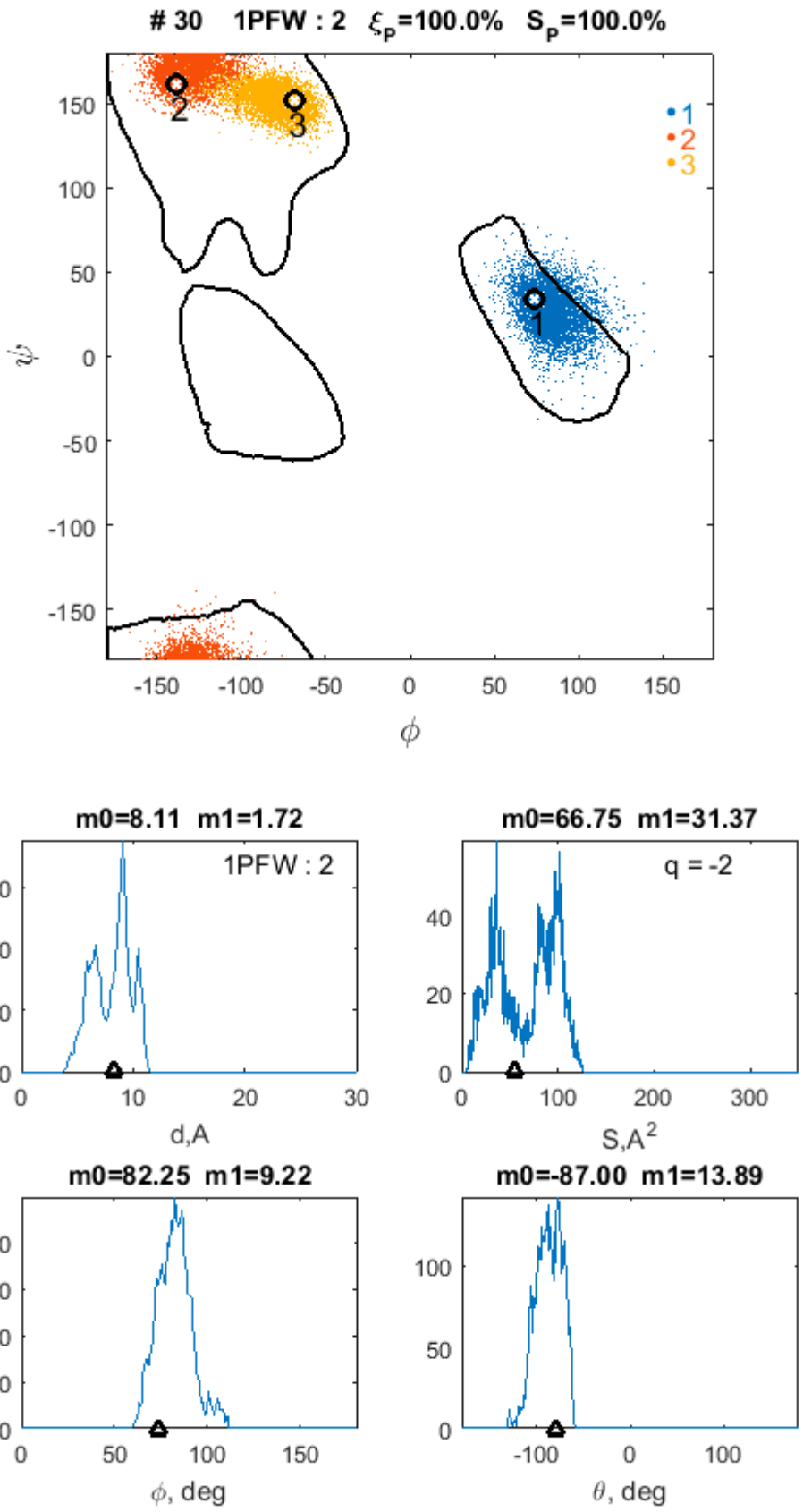

26 2CSF : 1 ξ_P=100.0% S_P=100.0%
1
2
3
2
3
1
150
100
50
0
-50
-100
-150
-150 -100 -50 0 50 100 150
ψ
ϕ

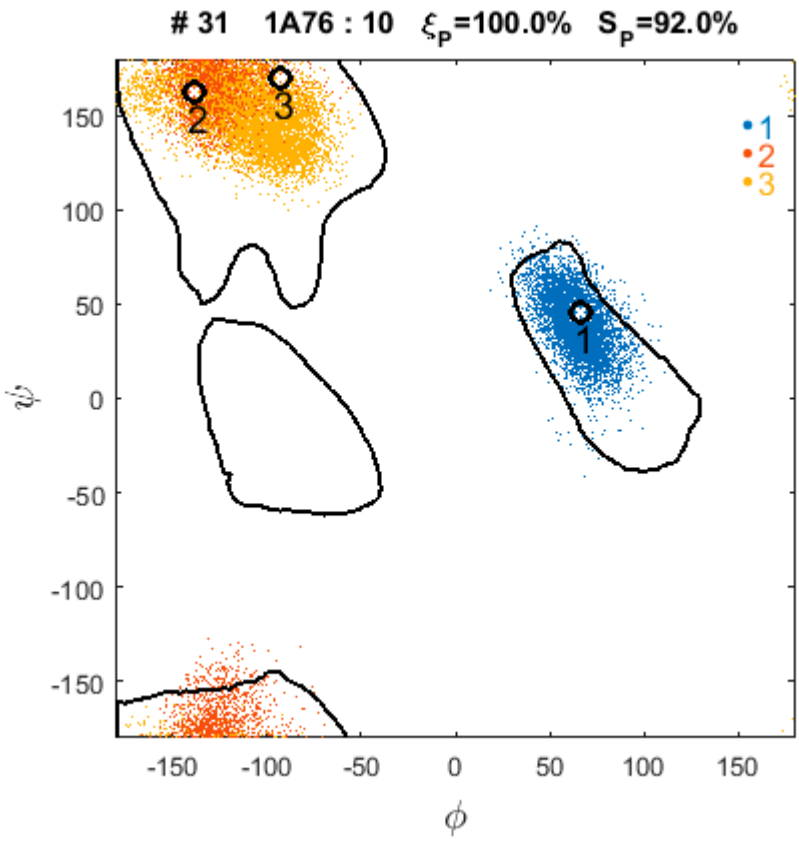

m0=10.10 m1=0.52
2CSF : 1
600
400
200
0
0 10 20 30
d,A
m0=64.61 m1=15.94
q = 2
80
60
40
20
0
0 100 200 300
S,A^2
m0=102.60 m1=9.62
200
150
100
50
0
0 50 100 150
ϕ, deg
m0=-99.54 m1=7.78
200
100
0
-100 0 100
θ, deg

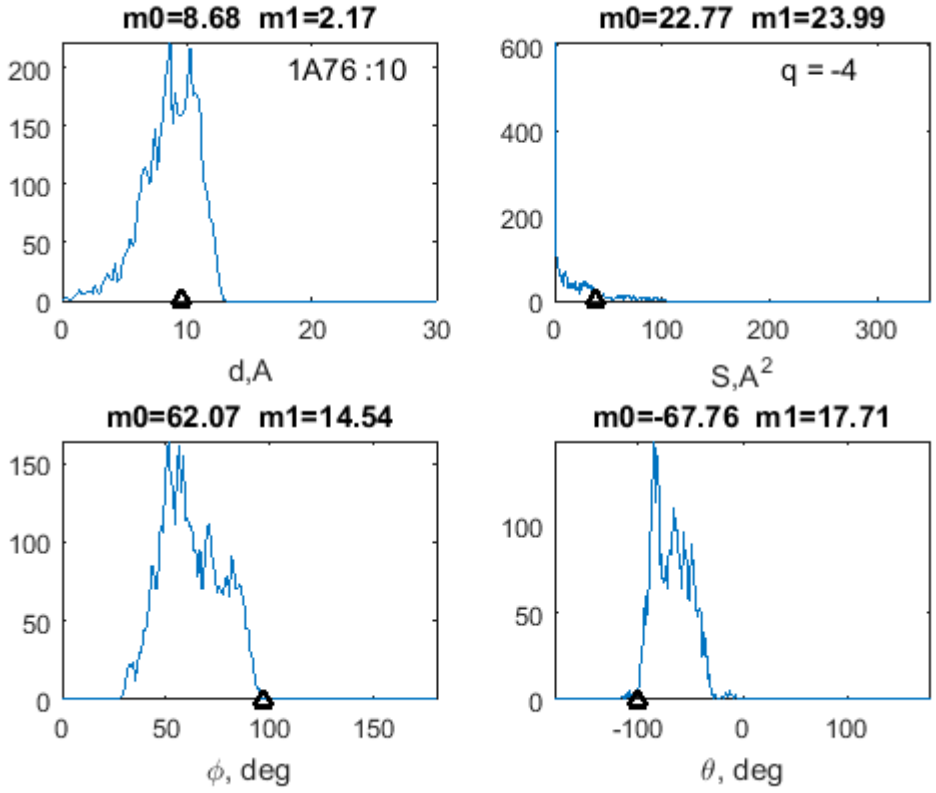

27 1C1D : 16 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=7.99 m1=0.29
1C1D :16
d,A
m0=129.82 m1=6.79
q = -2
S,A^2
m0=76.80 m1=5.98
ϕ, deg
m0=-59.76 m1=3.30
θ, deg

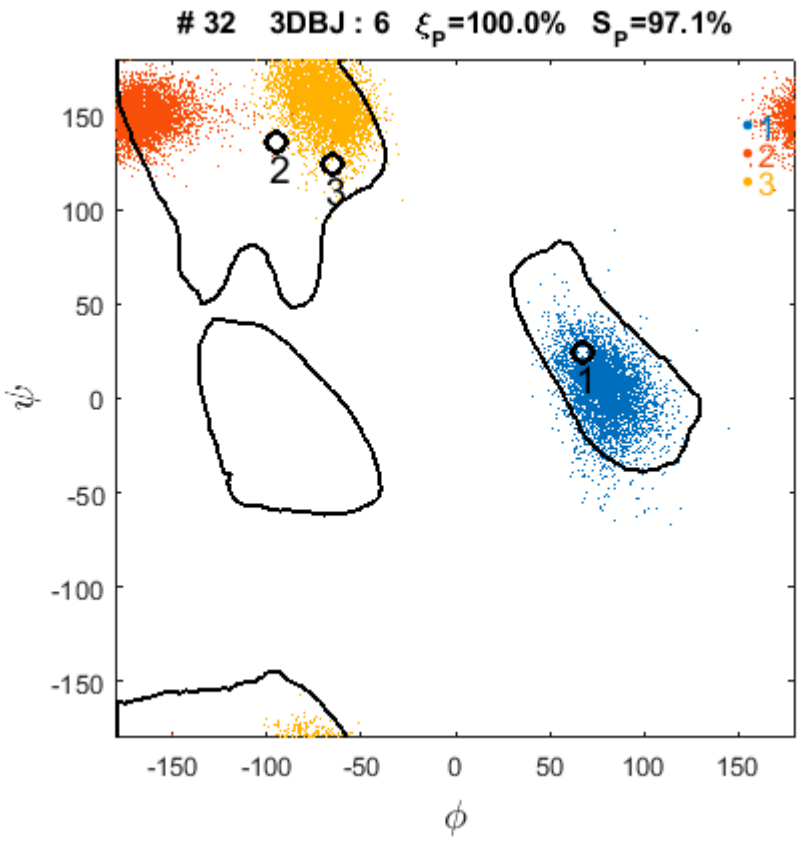

28 2PS6 : 13 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

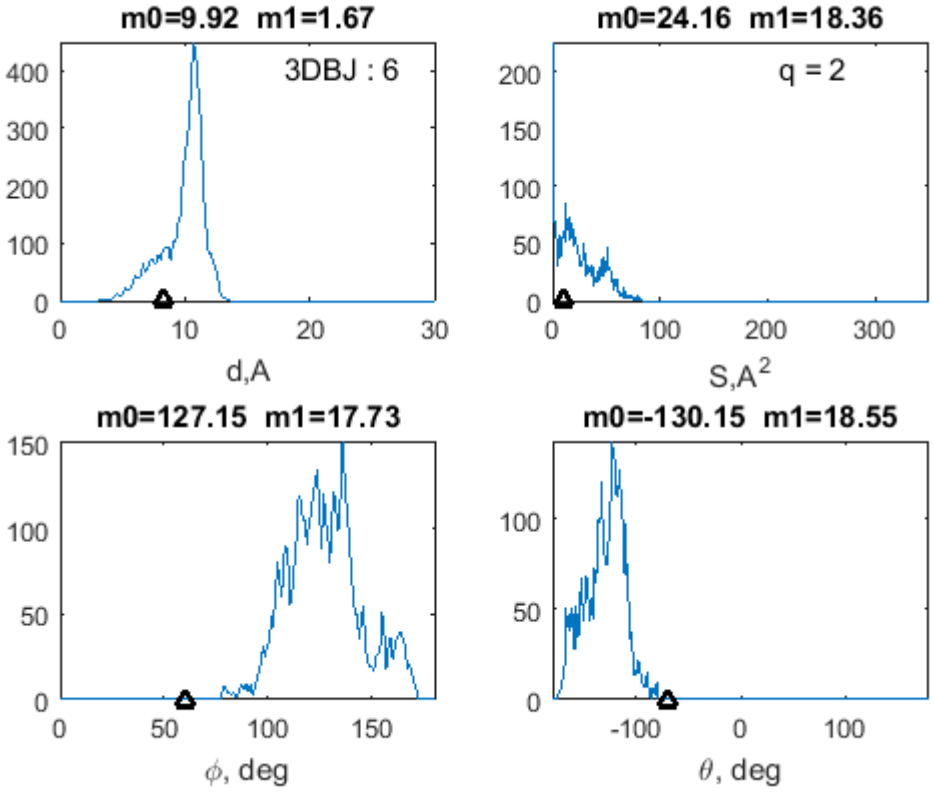

m0=9.11 m1=0.38
2PS6 :13
d,A
m0=99.48 m1=7.39
q = -1
S,A^2
m0=57.67 m1=8.87
ϕ, deg
m0=-48.03 m1=6.10
θ, deg

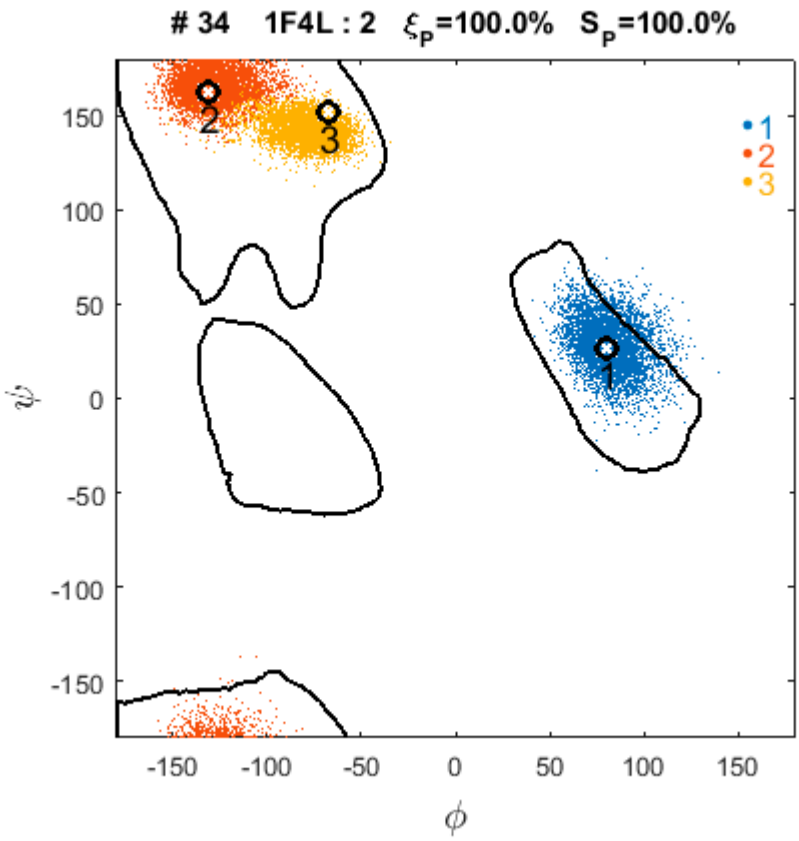

30 1PFW : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=8.11 m1=1.72
1PFW : 2
d,A
m0=66.75 m1=31.37
q = -2
S,A^2
m0=82.25 m1=9.22
ϕ, deg
m0=-87.00 m1=13.89
θ, deg

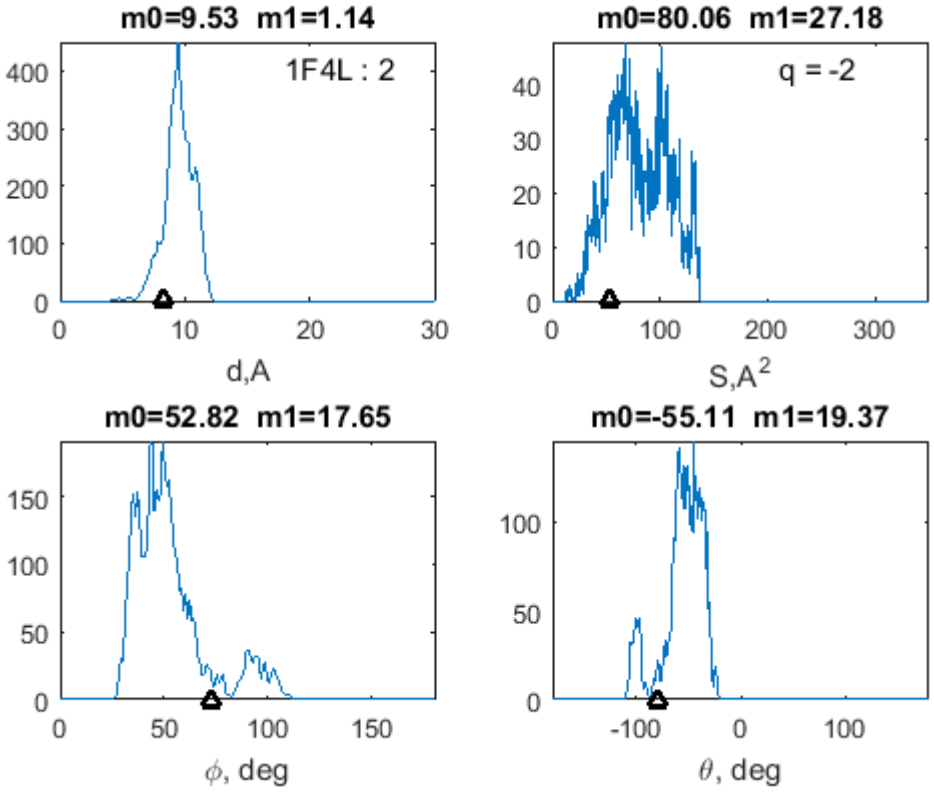

31 1A76 : 10 ξ_P=100.0% S_P=92.0%
1
2
3
ψ
ϕ

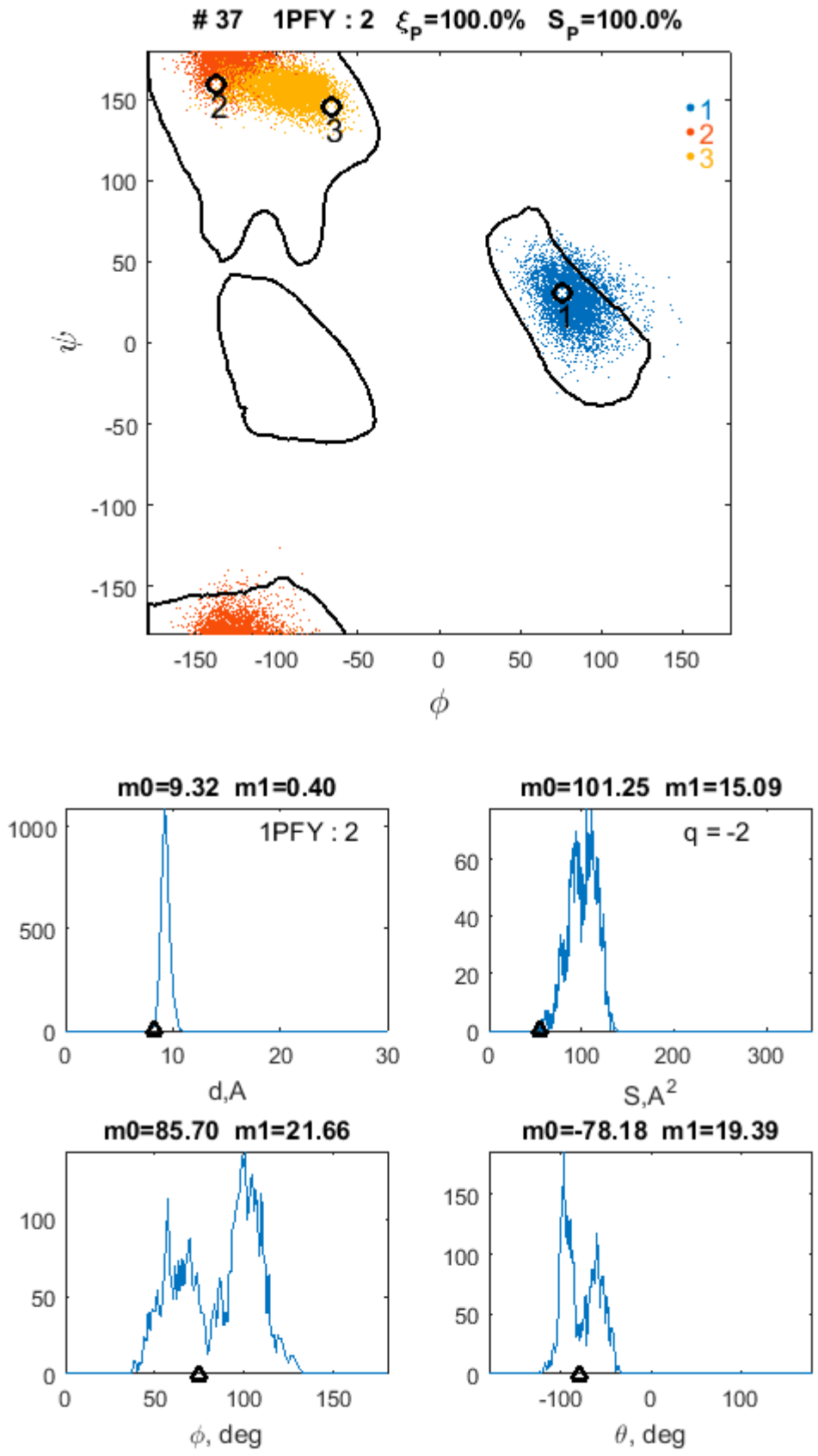

m0=8.68 m1=2.17
1A76 :10
d,A
m0=22.77 m1=23.99
q = -4
S,A^2
m0=62.07 m1=14.54
ϕ, deg
m0=-67.76 m1=17.71
θ, deg

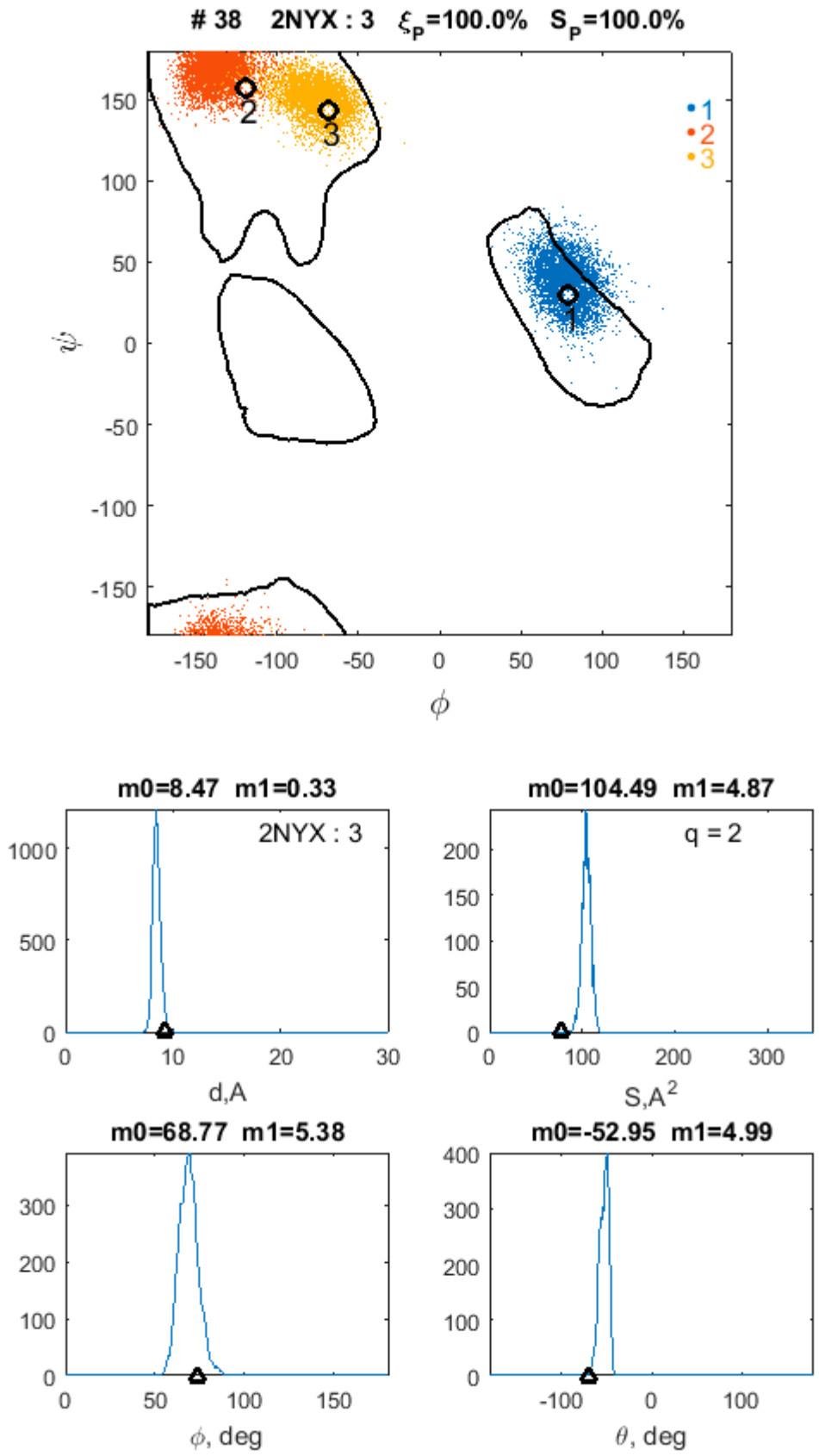

32 3DBJ : 6 ξ_P=100.0% S_P=97.1%
1
2
3
ψ
ϕ

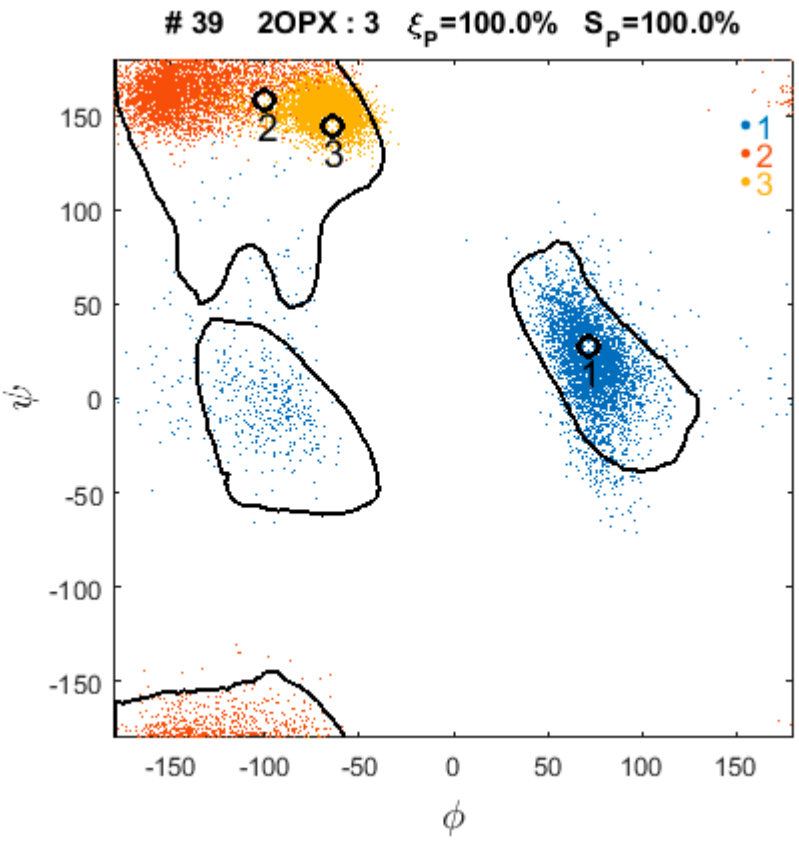

m0=9.92 m1=1.67
3DBJ : 6
d,A
m0=24.16 m1=18.36
q = 2
S,A^2
m0=127.15 m1=17.73
ϕ, deg
m0=-130.15 m1=18.55
θ, deg

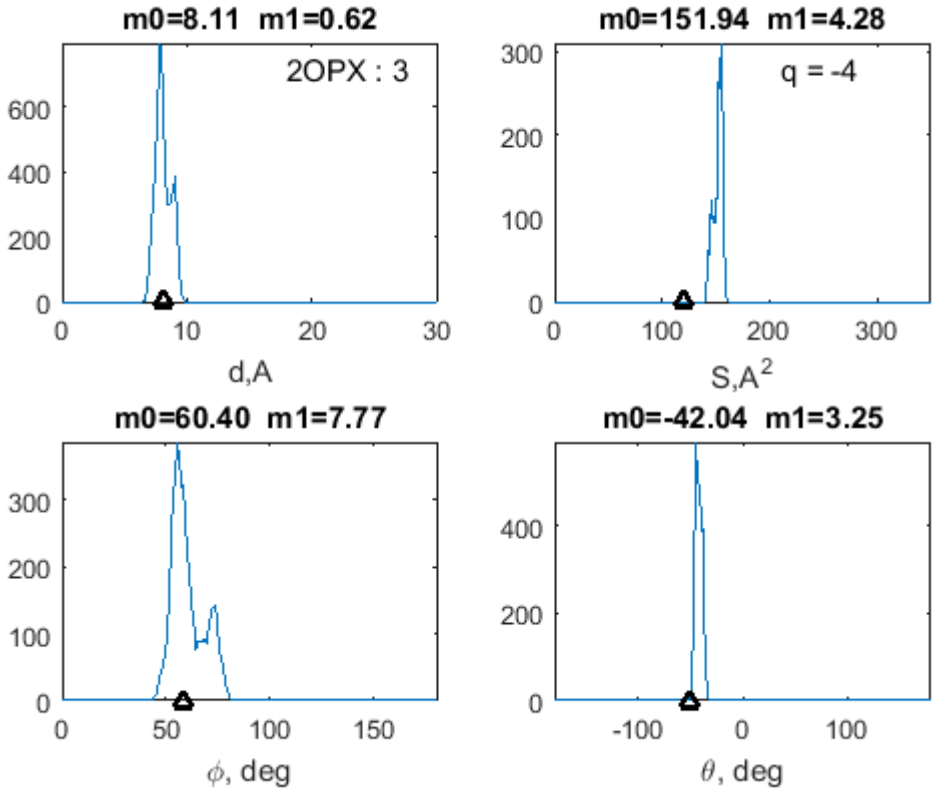

34 1F4L : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

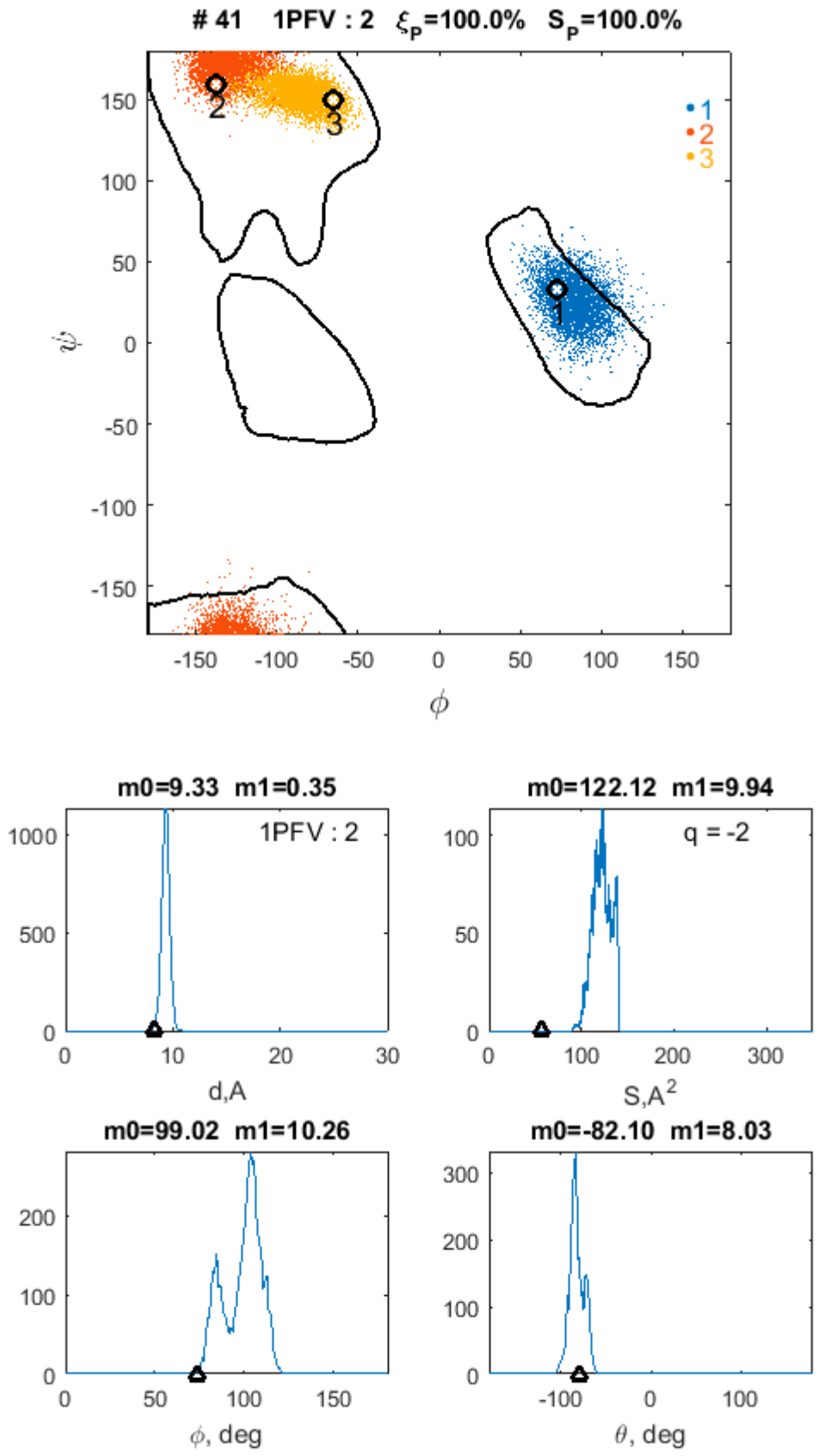

m0=9.53 m1=1.14
1F4L : 2
d,A
m0=80.06 m1=27.18
q = -2
S,A^2
m0=52.82 m1=17.65
ϕ, deg
m0=-55.11 m1=19.37
θ, deg

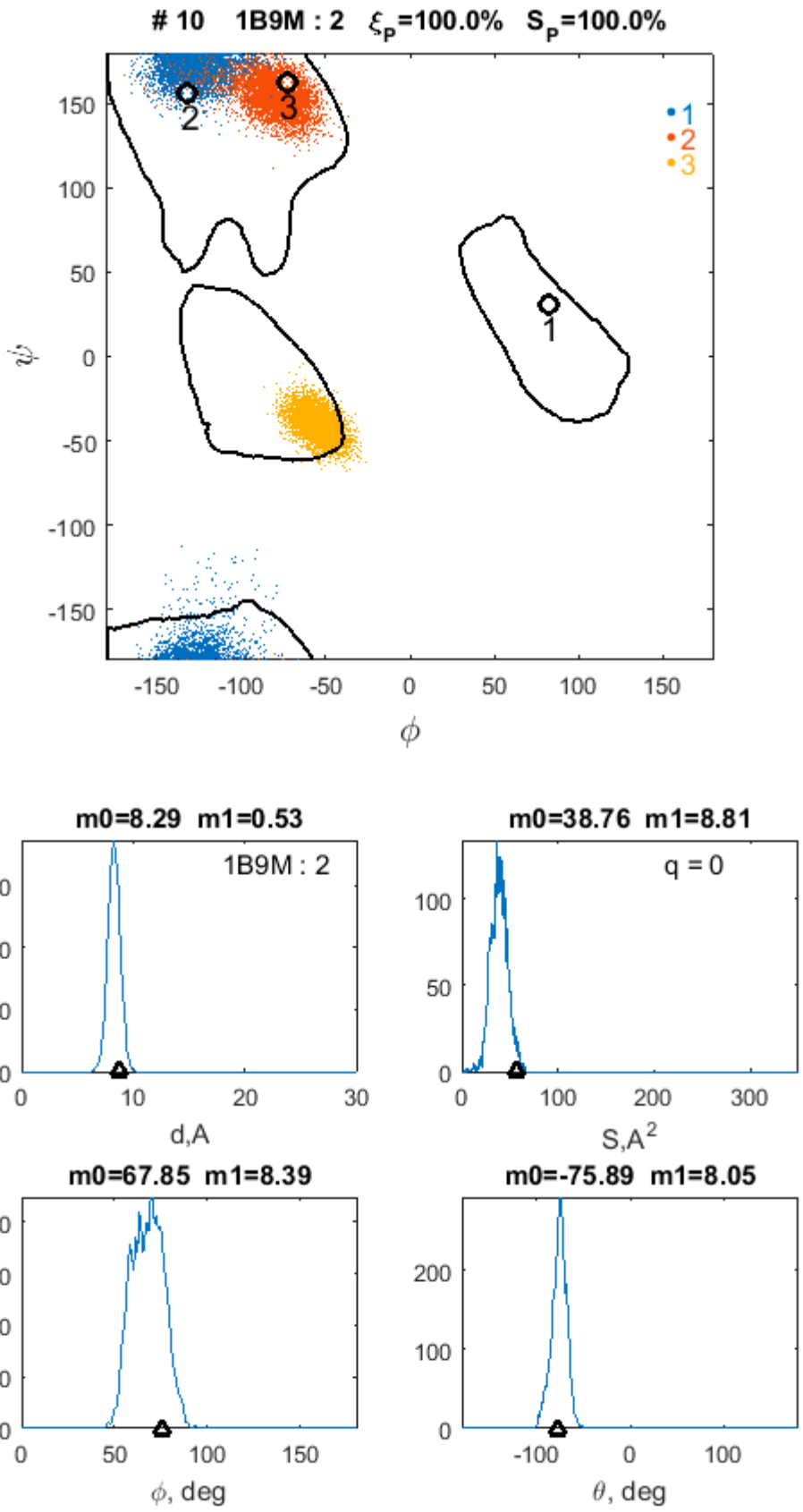

37 1PFY : 2 ξ_p=100.0% S_p=100.0%
1
2
3
ψ
ϕ
m0=9.32 m1=0.40
1PFY : 2
d,A
m0=101.25 m1=15.09
q = -2
S,A^2
m0=85.70 m1=21.66
ϕ, deg
m0=-78.18 m1=19.39
θ, deg

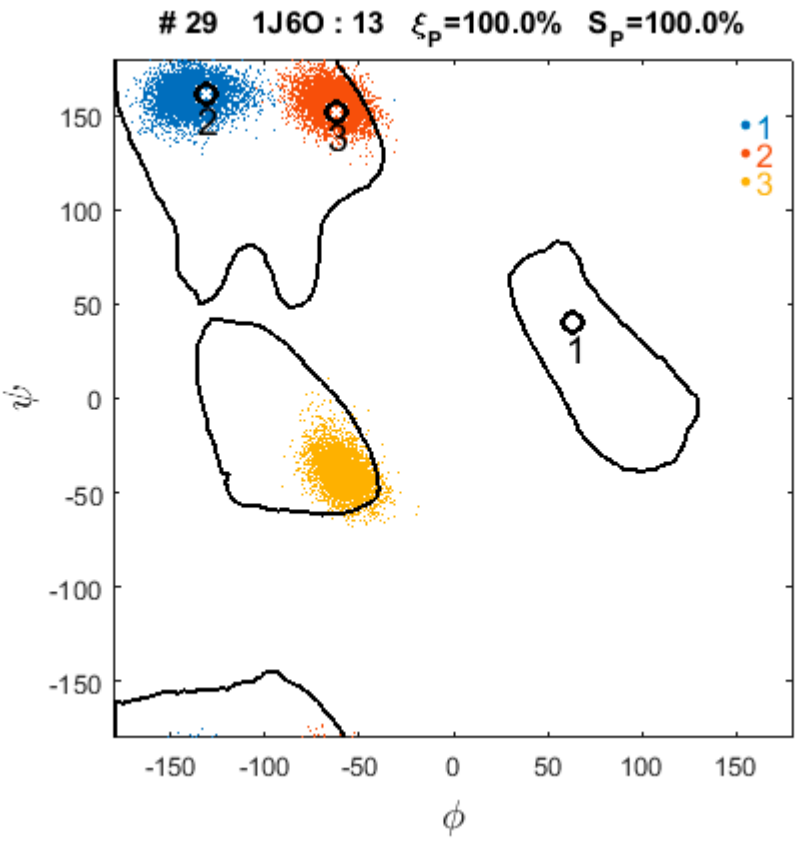

38 2NYX : 3 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=8.47 m1=0.33
2NYX : 3
d,A
m0=104.49 m1=4.87
q = 2
S,A^2
m0=68.77 m1=5.38
ϕ, deg
m0=-52.95 m1=4.99
θ, deg

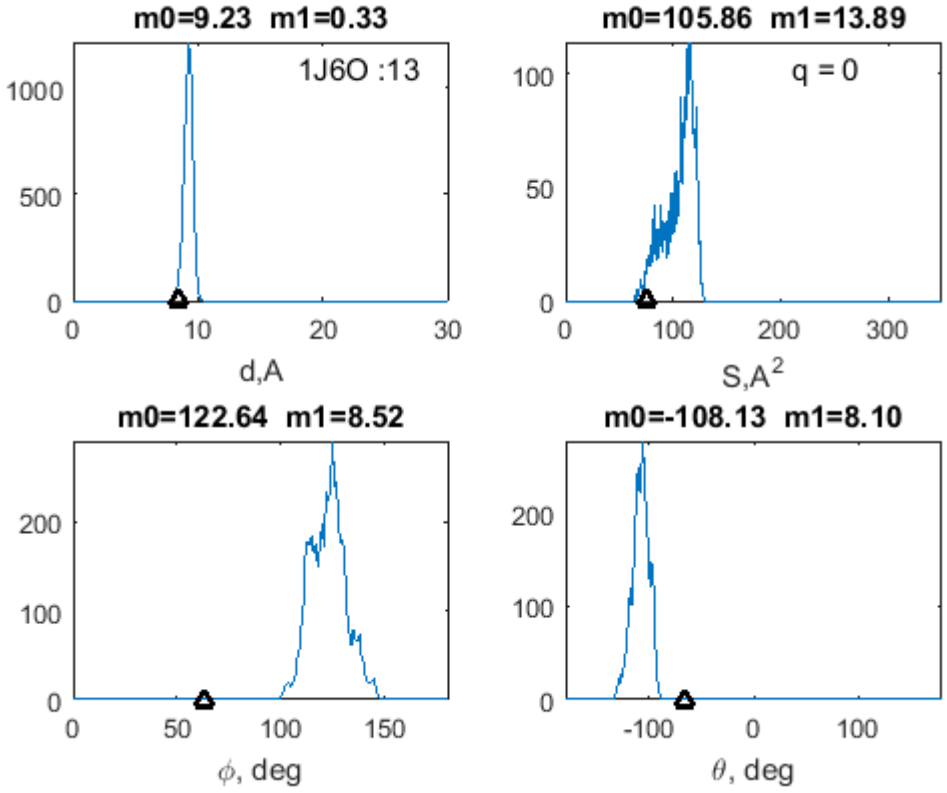

39 2OPX : 3 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

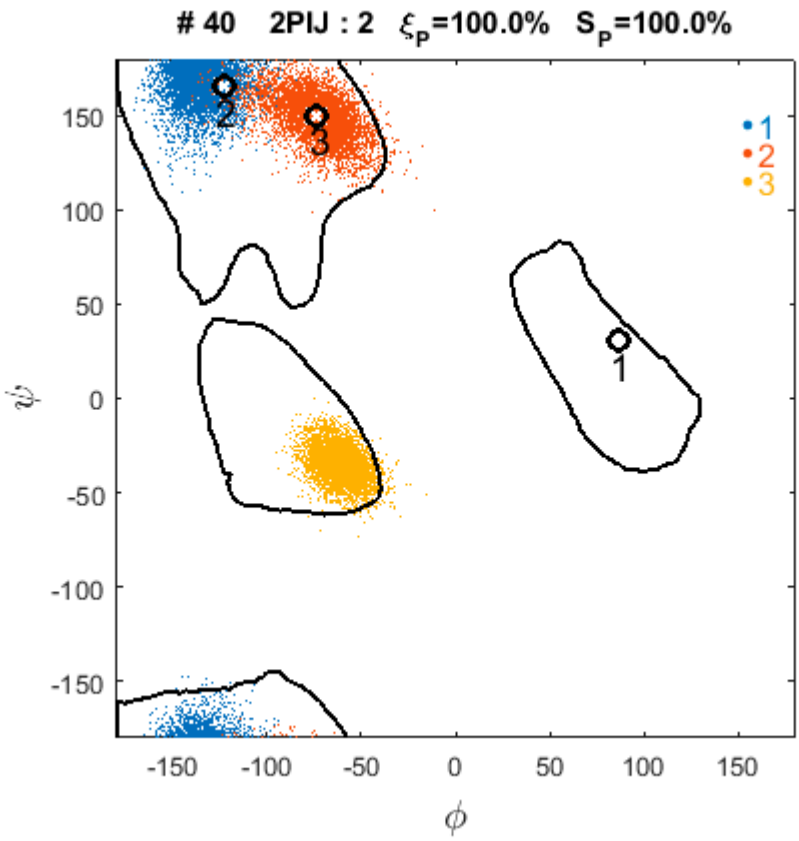

m0=8.11 m1=0.62
2OPX : 3
d,A
m0=151.94 m1=4.28
q = -4
S,A^2
m0=60.40 m1=7.77
ϕ, deg
m0=-42.04 m1=3.25
θ, deg

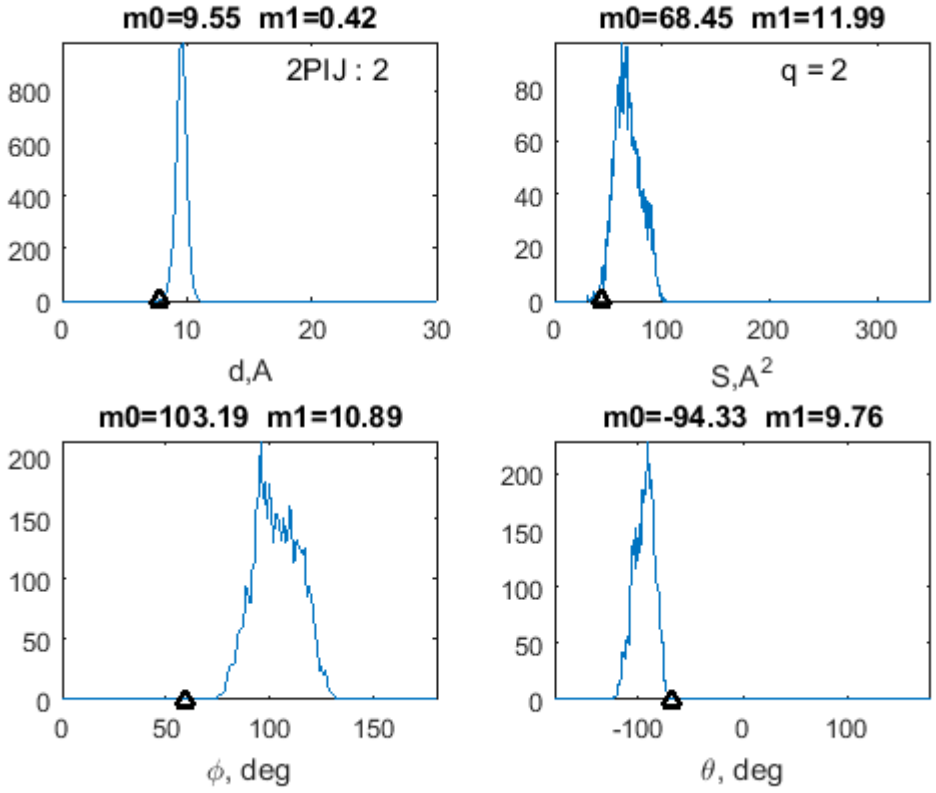

41 1PFV : 2 ξ_p=100.0% S_p=100.0%
1
2
3
ψ
ϕ
m0=9.33 m1=0.35
1PFV : 2
d,A
m0=122.12 m1=9.94
q = -2
S,A^2
m0=99.02 m1=10.26
ϕ, deg
m0=-82.10 m1=8.03
θ, deg

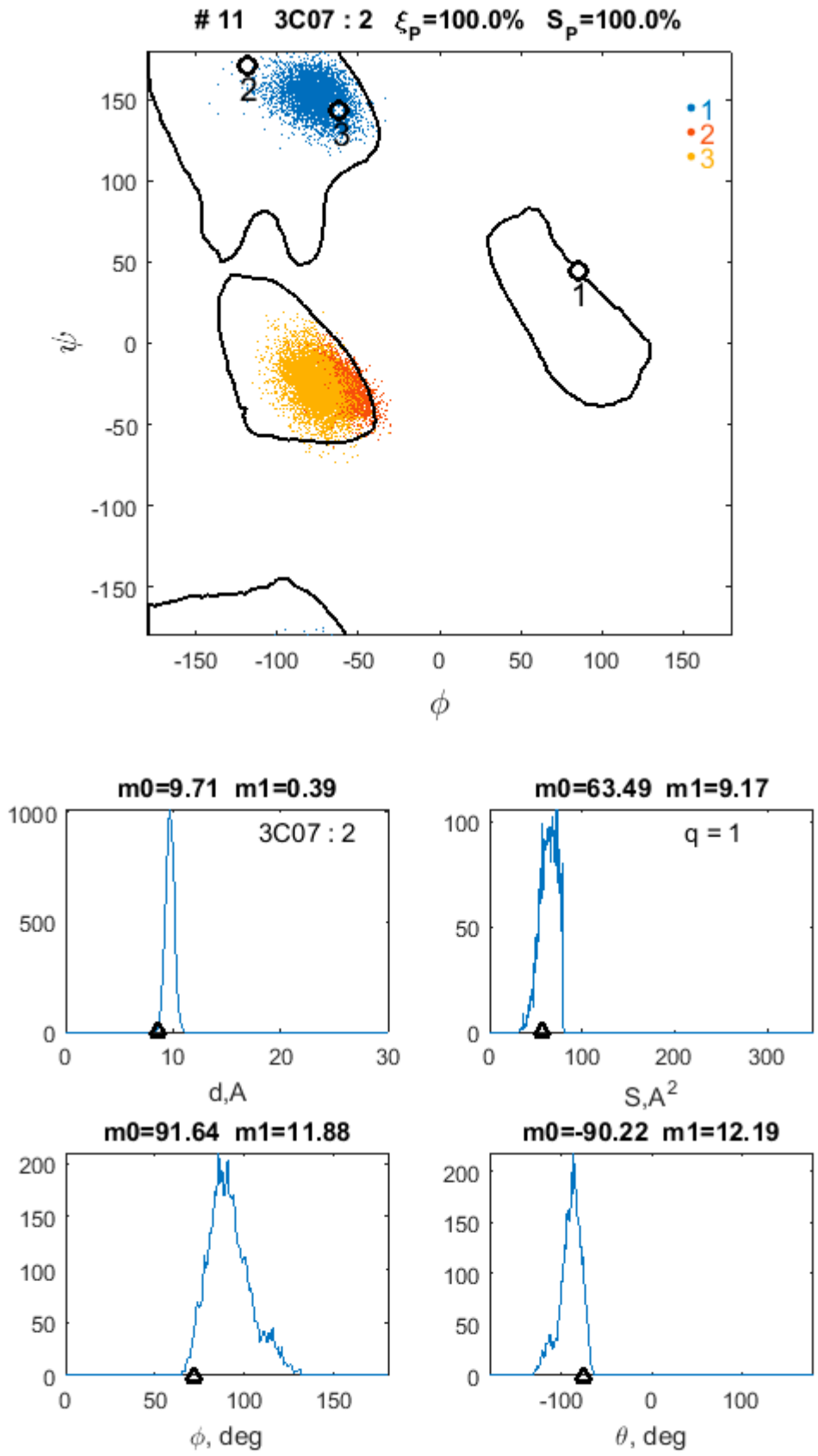

10 1B9M : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=8.29 m1=0.53
1B9M : 2
d,A
m0=38.76 m1=8.81
q = 0
S,A^2
m0=67.85 m1=8.39
ϕ, deg
m0=-75.89 m1=8.05
θ, deg

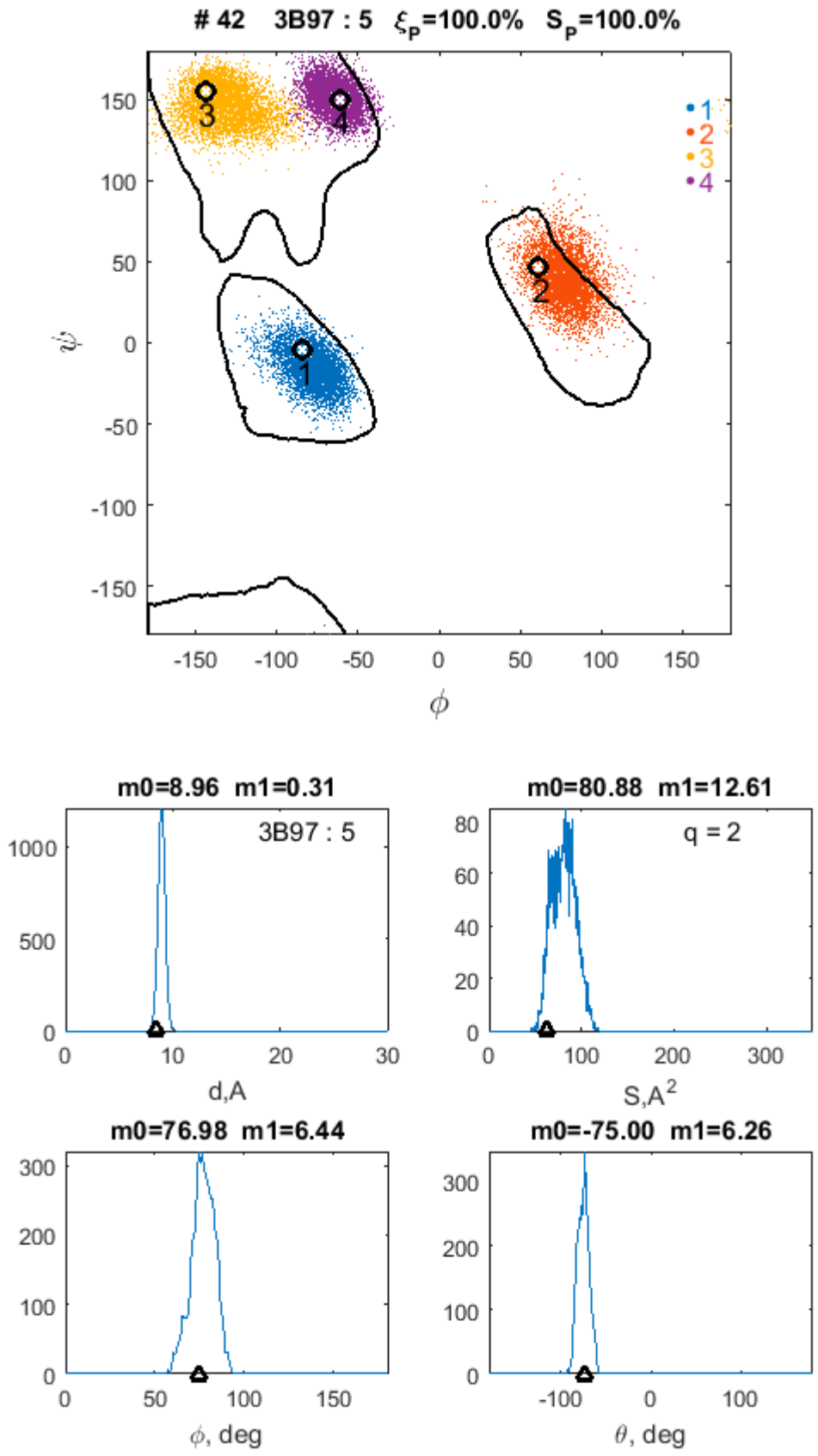

29 1J6O : 13 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

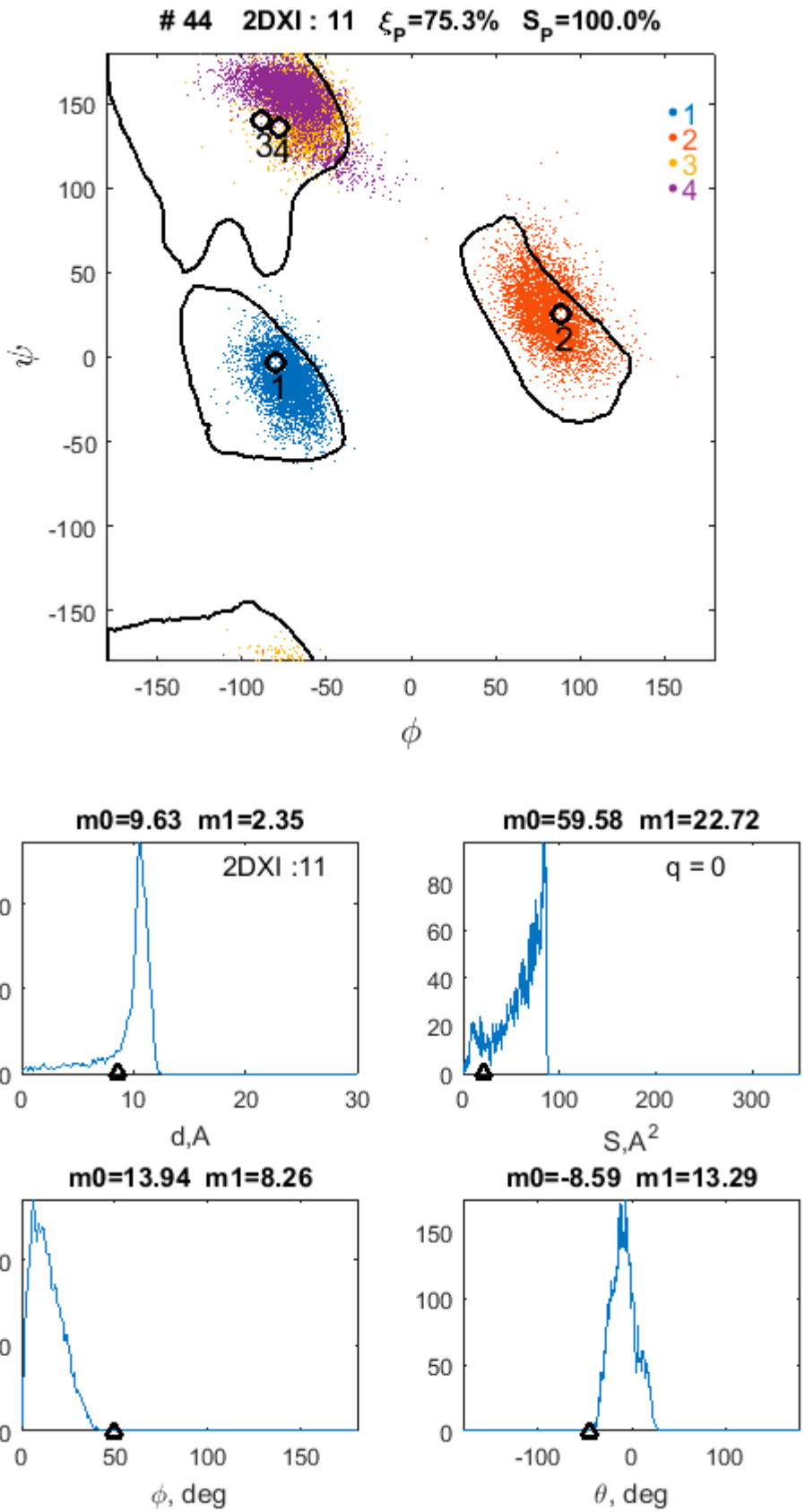

m0=9.23 m1=0.33
1J6O :13
d,A
m0=105.86 m1=13.89
q = 0
S,A^2
m0=122.64 m1=8.52
ϕ, deg
m0=-108.13 m1=8.10
θ, deg

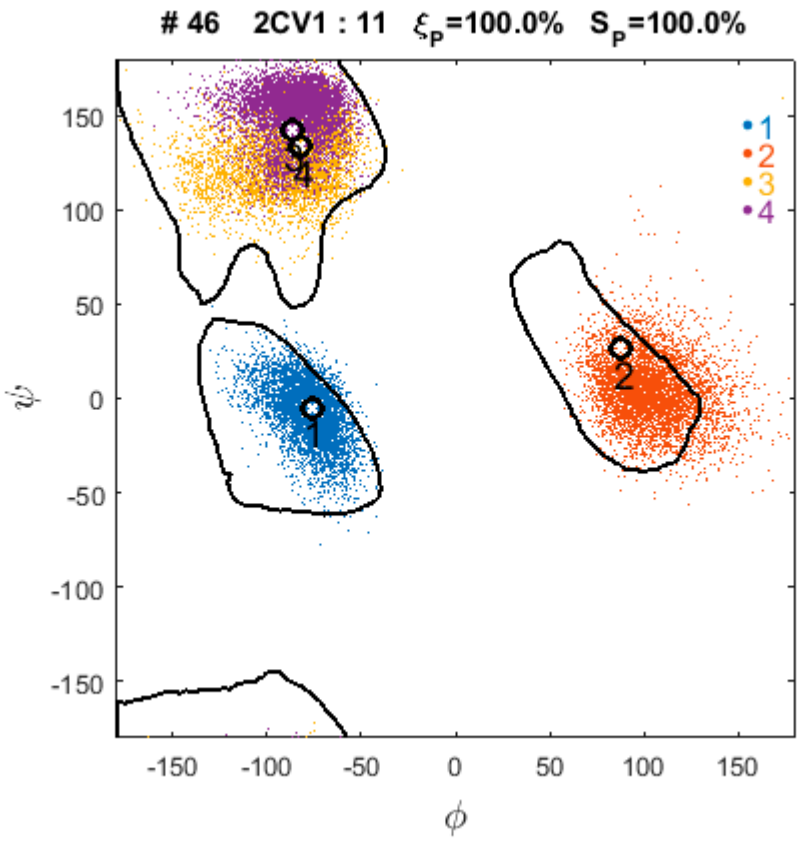

40 2PIJ : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ

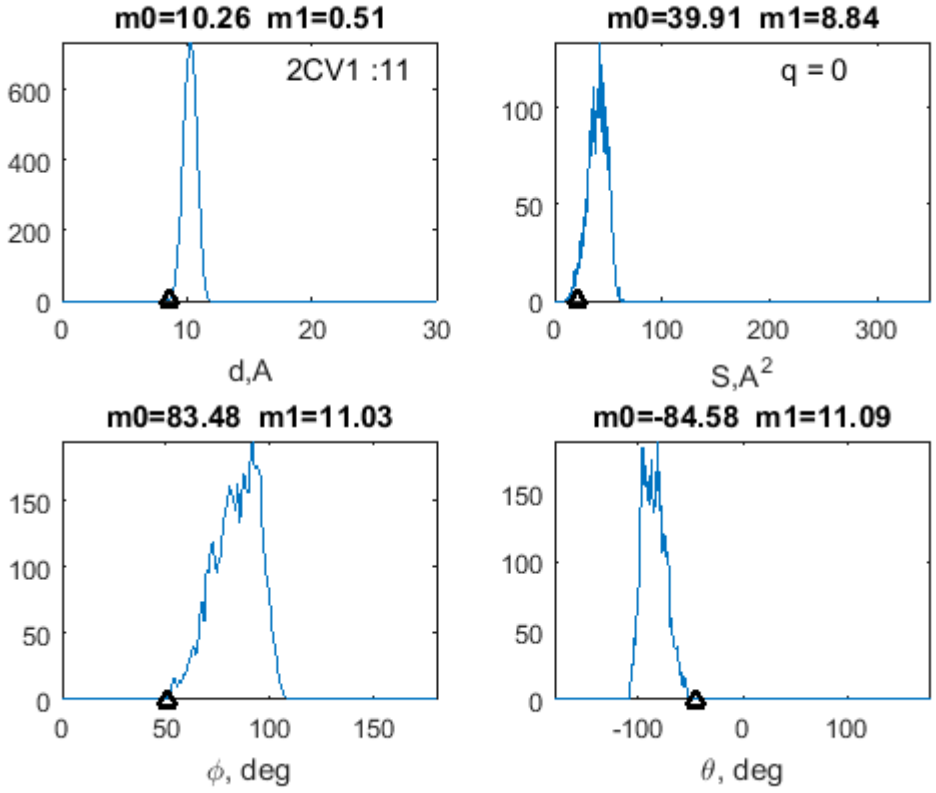

m0=9.55 m1=0.42
2PIJ : 2
d,A
m0=68.45 m1=11.99
q = 2
S,A^2
m0=103.19 m1=10.89
ϕ, deg
m0=-94.33 m1=9.76
θ, deg

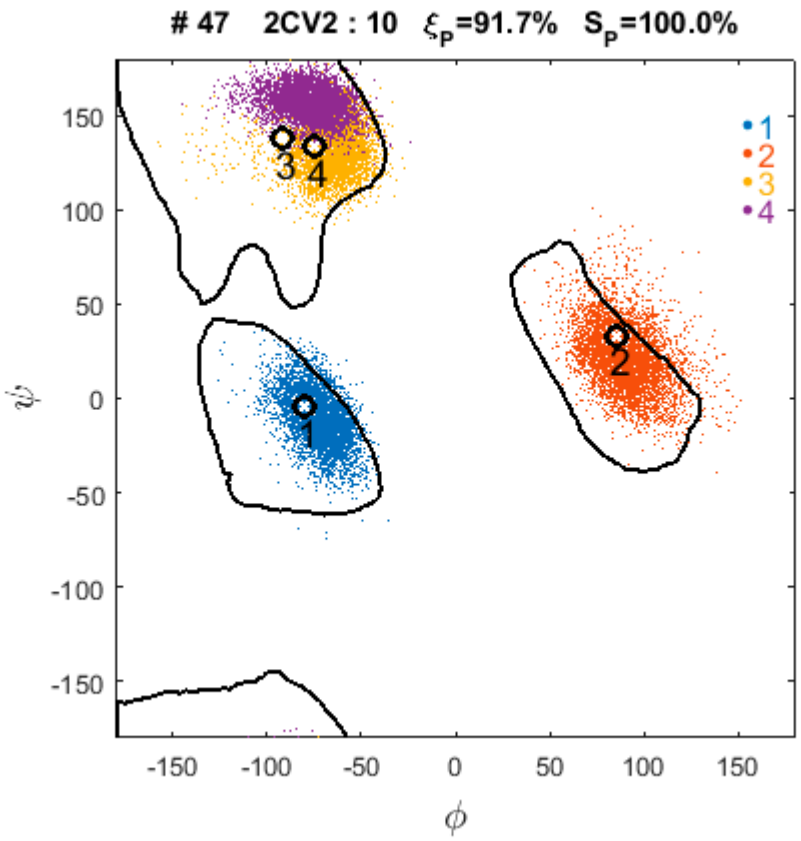

11 3C07 : 2 ξ_P=100.0% S_P=100.0%
1
2
3
ψ
ϕ
m0=9.71 m1=0.39
3C07 : 2
d,A
m0=63.49 m1=9.17
q = 1
S,A^2
m0=91.64 m1=11.88
ϕ, deg
m0=-90.22 m1=12.19
θ, deg

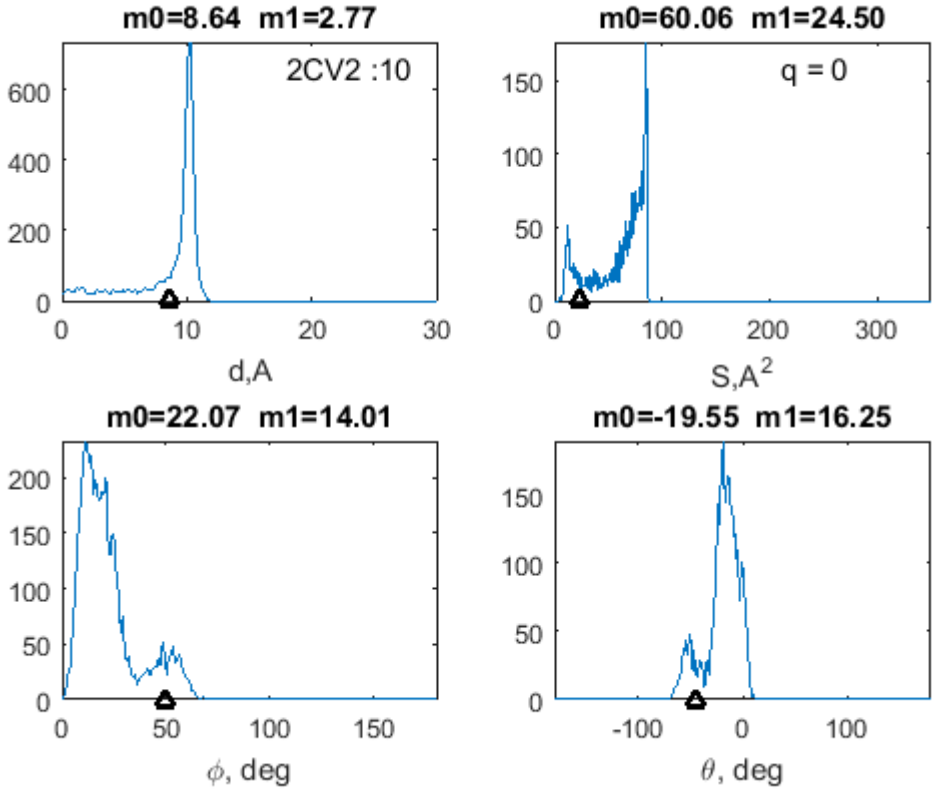

42 3B97 : 5 ξ_P=100.0% S_P=100.0%
1
2
3
4
ψ
ϕ
m0=8.96 m1=0.31
3B97 : 5
d,A
m0=80.88 m1=12.61
q = 2
S,A^2
m0=76.98 m1=6.44
ϕ, deg
m0=-75.00 m1=6.26
θ, deg

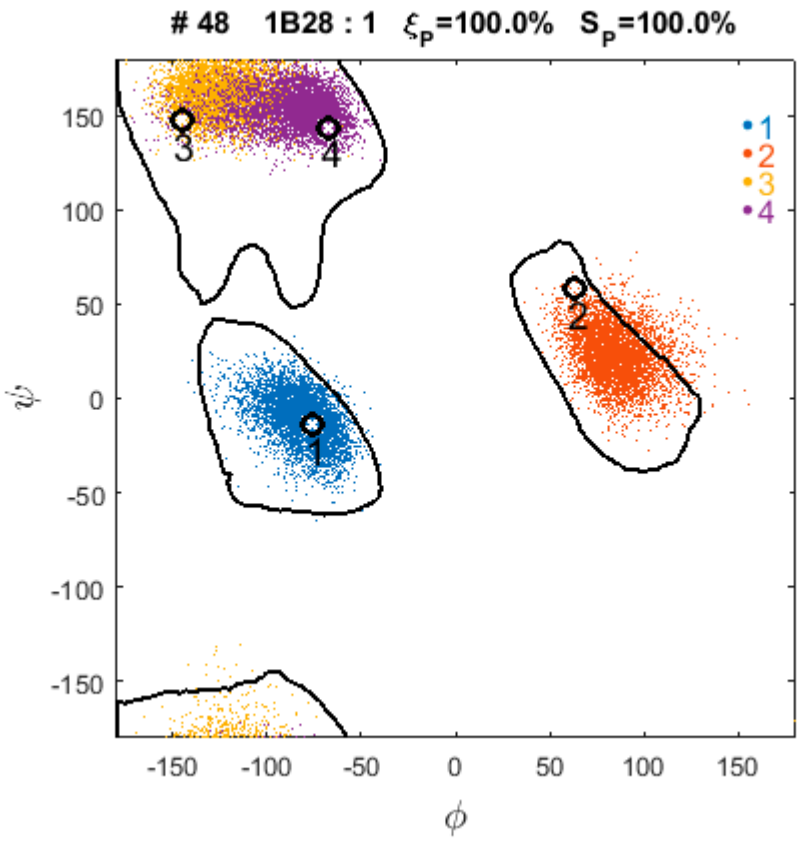

44 2DXI : 11 ξ_P=75.3% S_P=100.0%
1
2
3
4
ψ
ϕ
m0=9.63 m1=2.35
2DXI :11
d,A
m0=59.58 m1=22.72
q = 0
S,A^2
m0=13.94 m1=8.26
ϕ, deg
m0=-8.59 m1=13.29
θ, deg

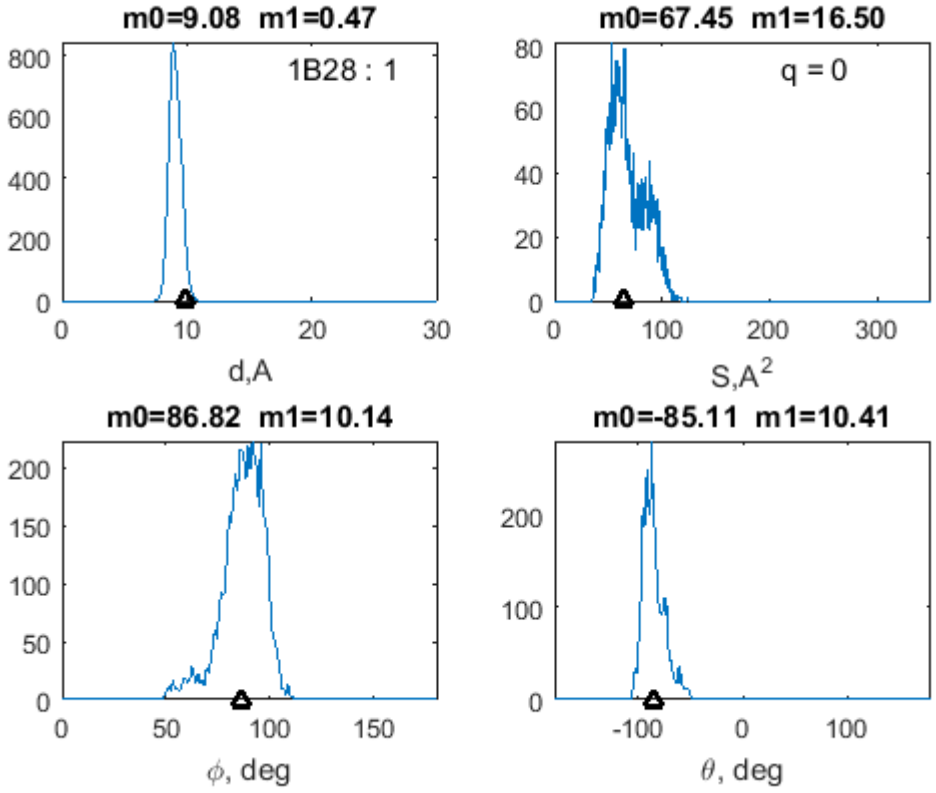

46 2CV1 : 11 ξ_P=100.0% S_P=100.0%
1
2
3
4
ψ
ϕ

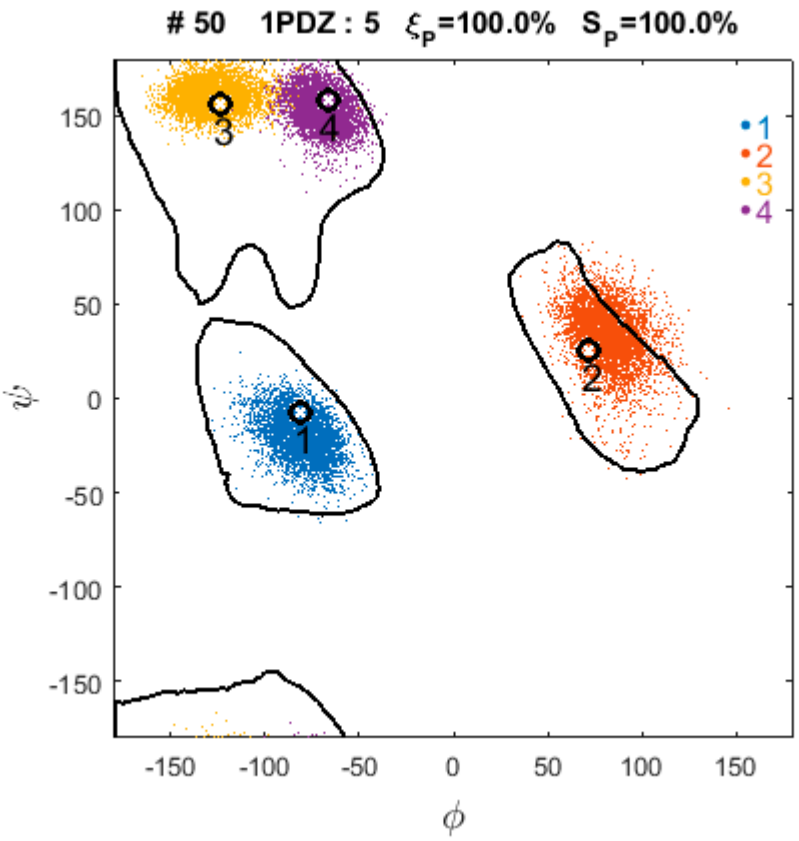

m0=10.26 m1=0.51
2CV1 :11
d,A
m0=39.91 m1=8.84
q = 0
S,A^2
m0=83.48 m1=11.03
ϕ, deg
m0=-84.58 m1=11.09
θ, deg

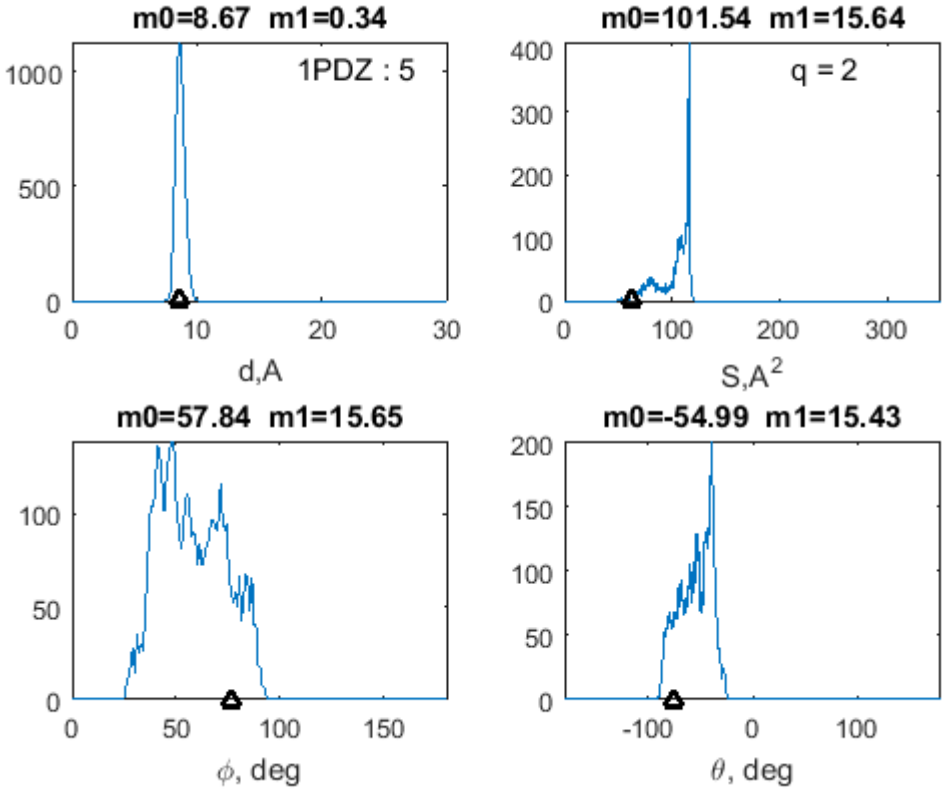

47 2CV2 : 10 ξ_P=91.7% S_P=100.0%
1
2
3
4
ψ
ϕ

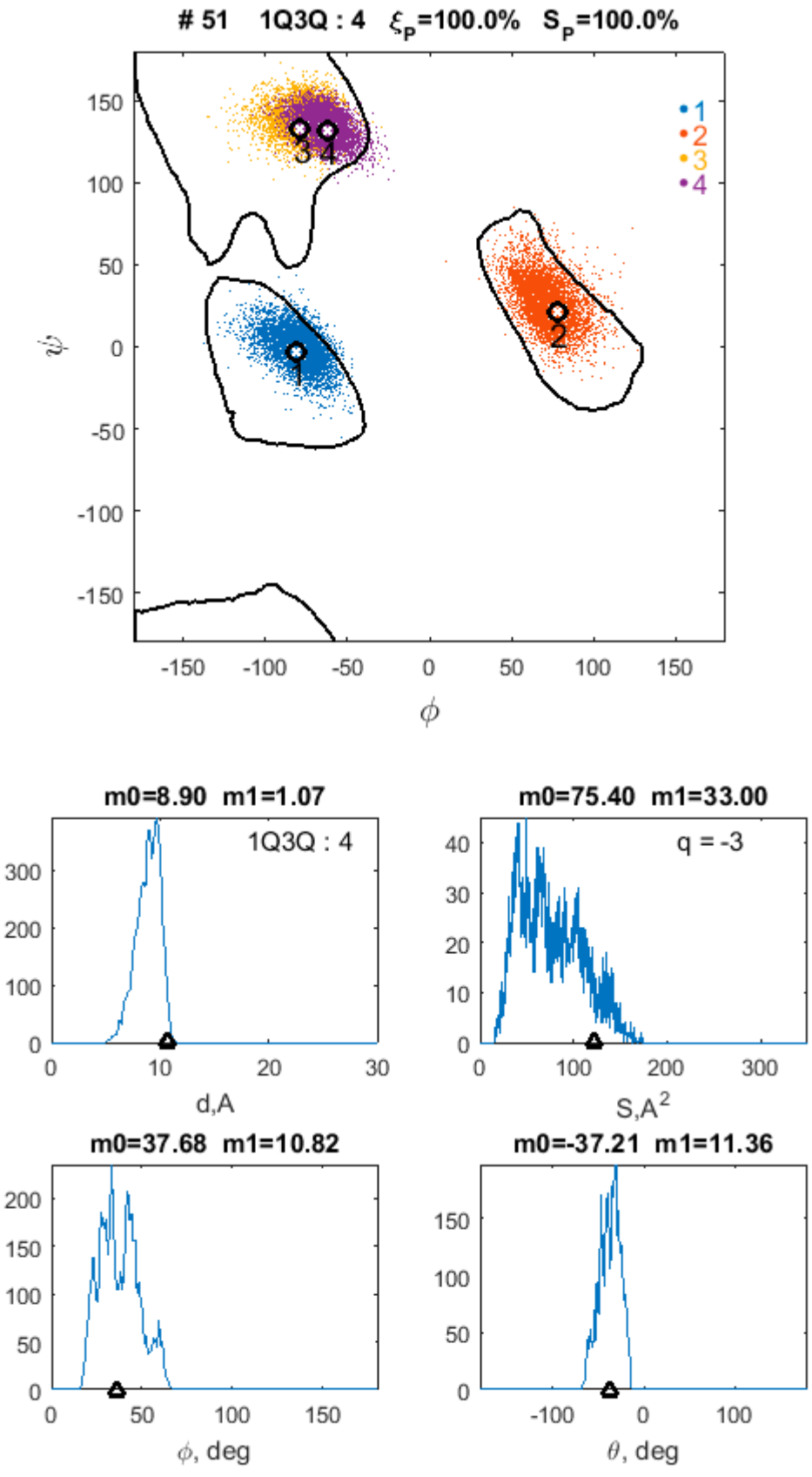

m0=8.64 m1=2.77
2CV2 :10
d,A
m0=60.06 m1=24.50
q = 0
S,A^2
m0=22.07 m1=14.01
ϕ, deg
m0=-19.55 m1=16.25
θ, deg

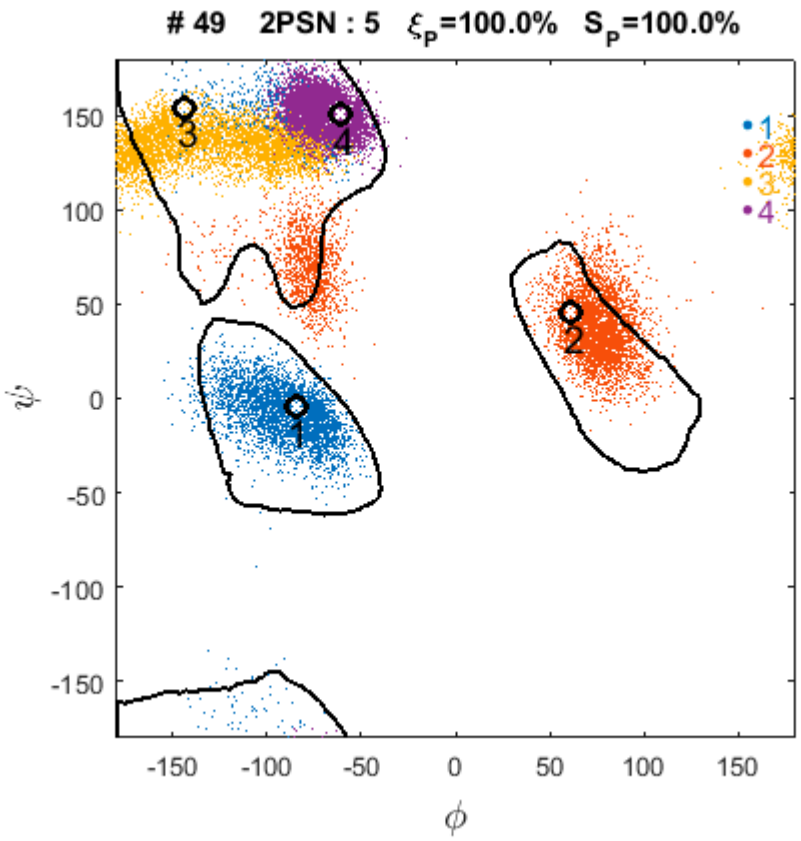

48 1B28 : 1 ξ_P=100.0% S_P=100.0%
1
2
3
4
ψ
ϕ

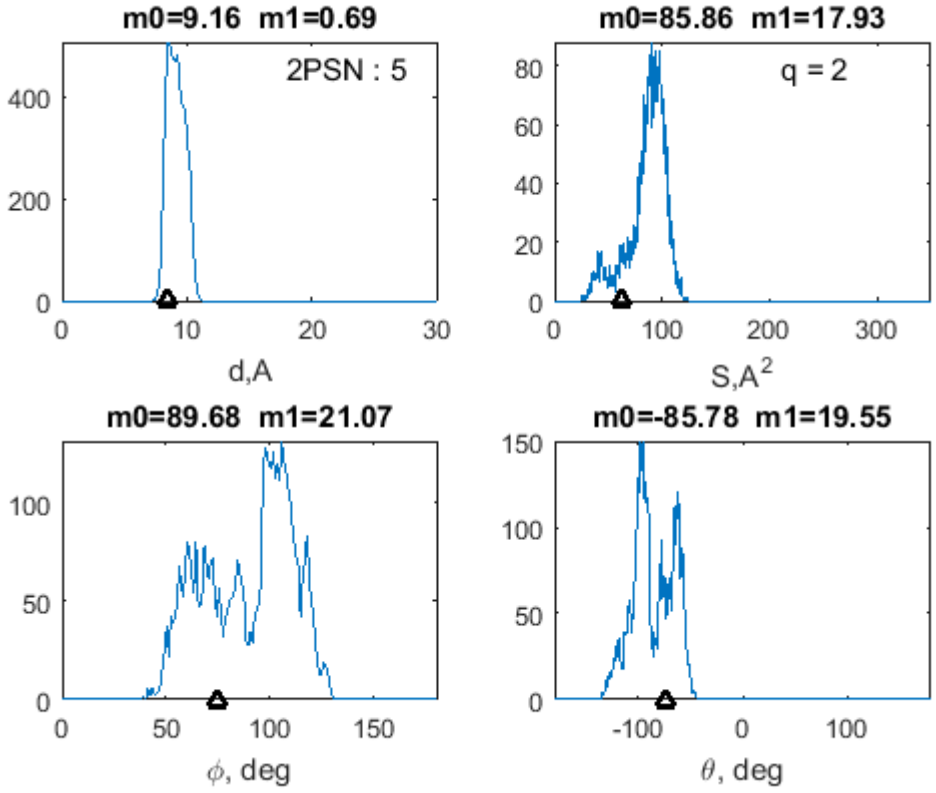

m0=9.08 m1=0.47
1B28 : 1
d,A
m0=67.45 m1=16.50
q = 0
S,A^2
m0=86.82 m1=10.14
ϕ, deg
m0=-85.11 m1=10.41
θ, deg

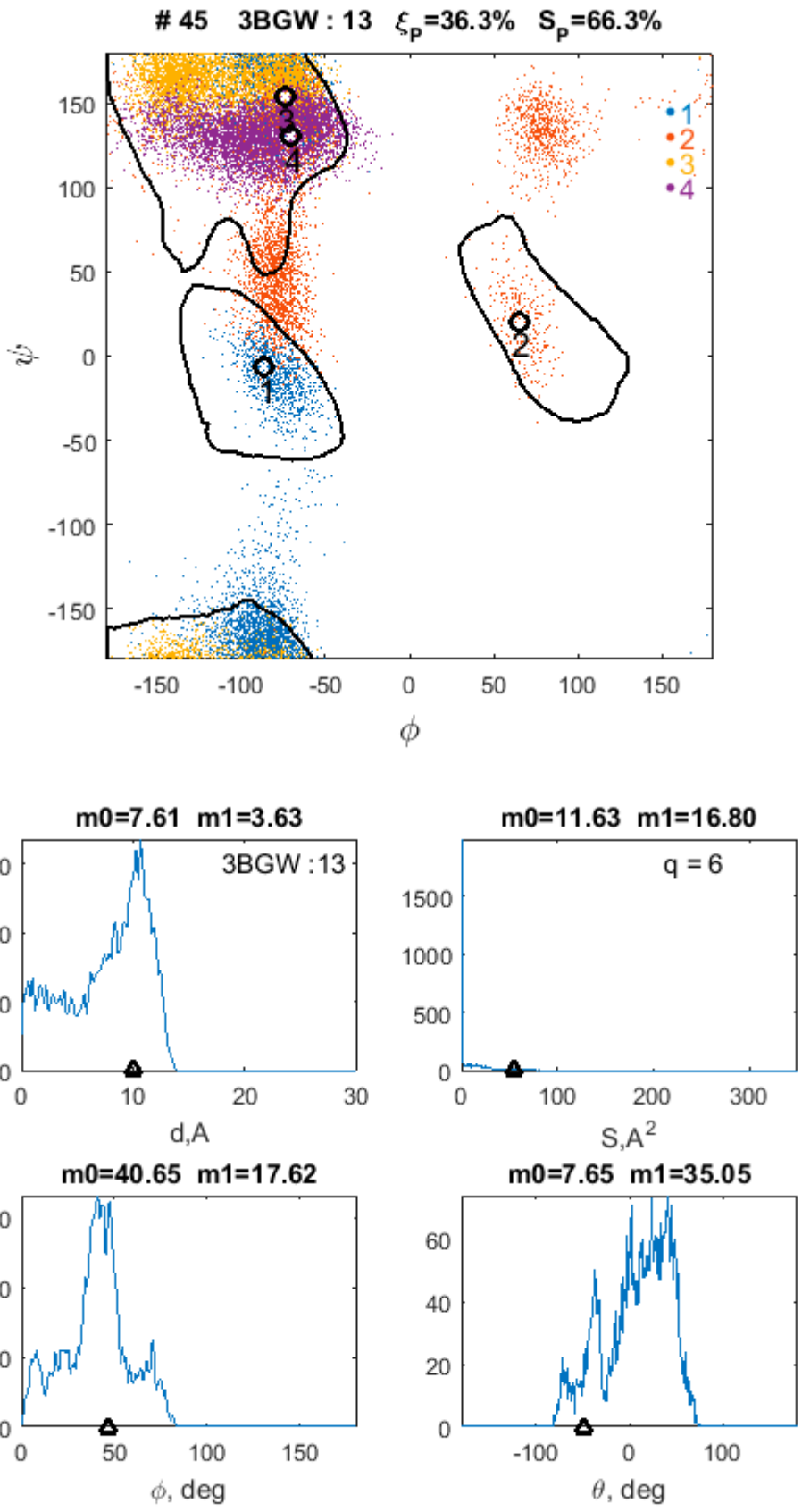

50 1PDZ : 5 ξ_P=100.0% S_P=100.0%
1
2
3
4
ψ
ϕ

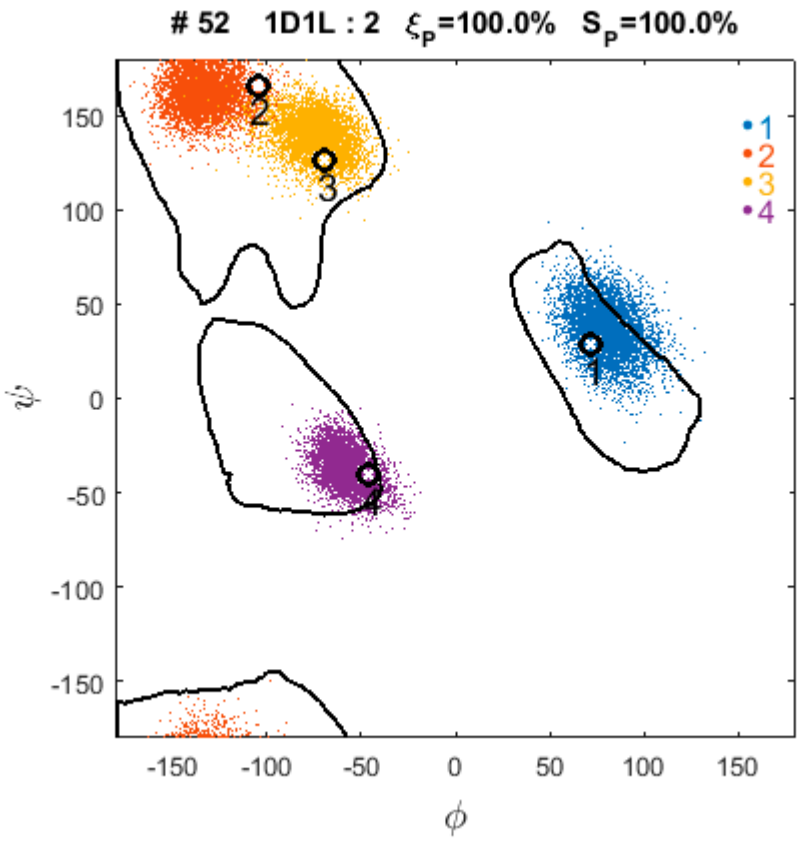

m0=8.67 m1=0.34
1PDZ : 5
d,A
m0=101.54 m1=15.64
q = 2
S,A^2
m0=57.84 m1=15.65
ϕ, deg
m0=-54.99 m1=15.43
θ, deg

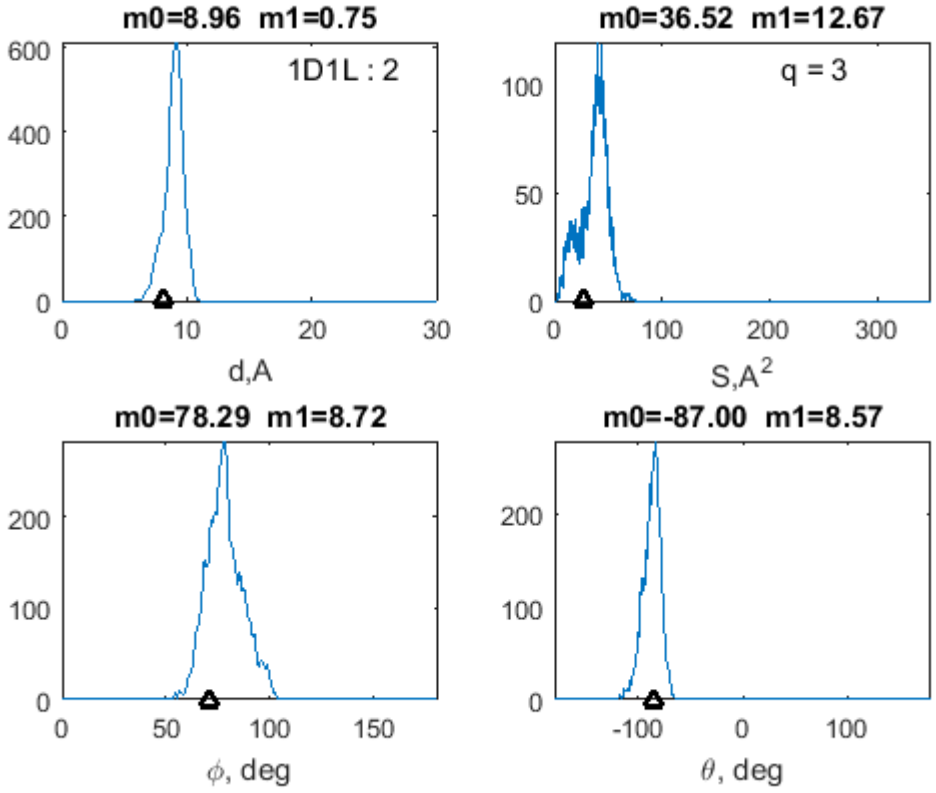

51 1Q3Q : 4 ξ_P=100.0% S_P=100.0%
1
2
3
4
ψ
ϕ
m0=8.90 m1=1.07
1Q3Q : 4
d,A
m0=75.40 m1=33.00
q = -3
S,A^2
m0=37.68 m1=10.82
ϕ, deg
m0=-37.21 m1=11.36
θ, deg

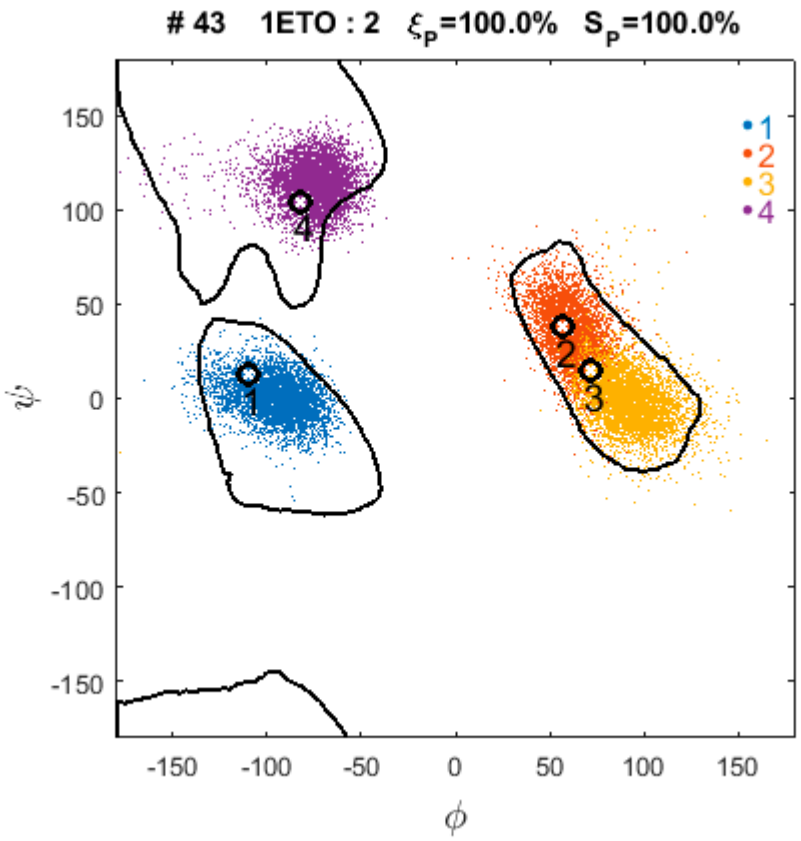

49 2PSN : 5 ξ_P=100.0% S_P=100.0%
1
2
3
4
ψ
ϕ

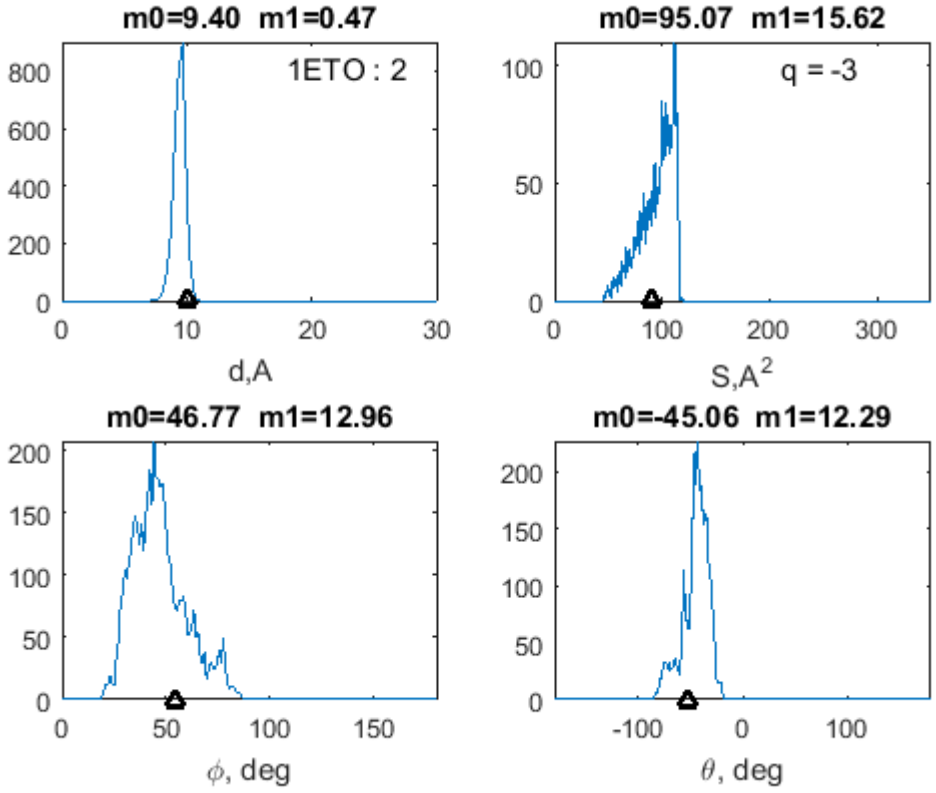

m0=9.16 m1=0.69
2PSN : 5
d,A
m0=85.86 m1=17.93
q = 2
S,A^2
m0=89.68 m1=21.07
ϕ, deg
m0=-85.78 m1=19.55
θ, deg

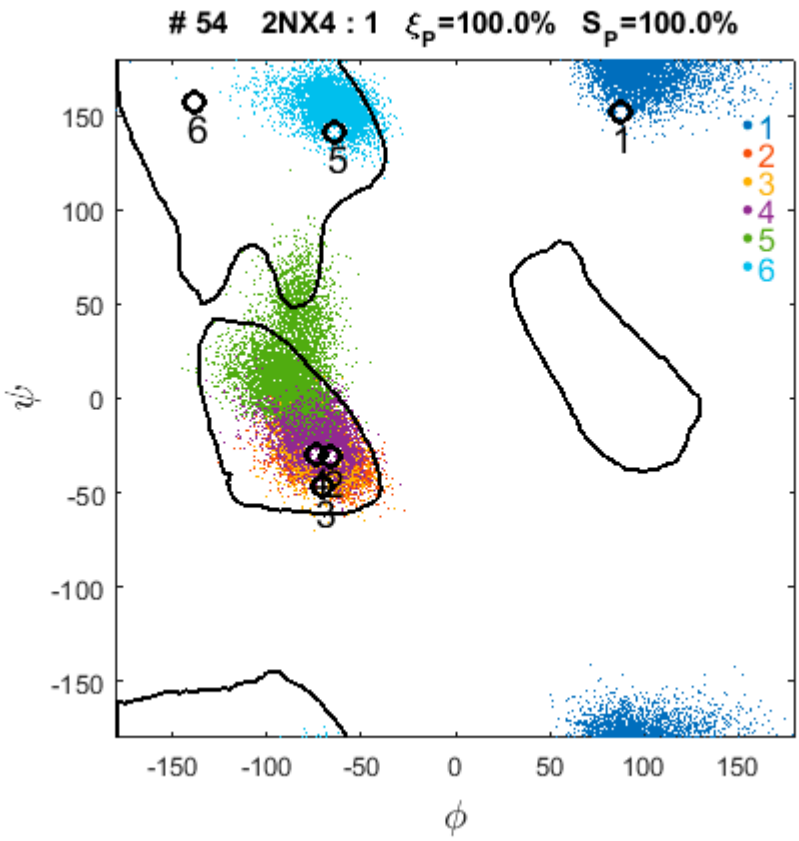

45 3BGW : 13 ξ_P=36.3% S_P=66.3%
1
2
3
4
ψ
ϕ
m0=7.61 m1=3.63
3BGW :13
d,A
m0=11.63 m1=16.80
q = 6
S,A^2
m0=40.65 m1=17.62
ϕ, deg
m0=7.65 m1=35.05
θ, deg

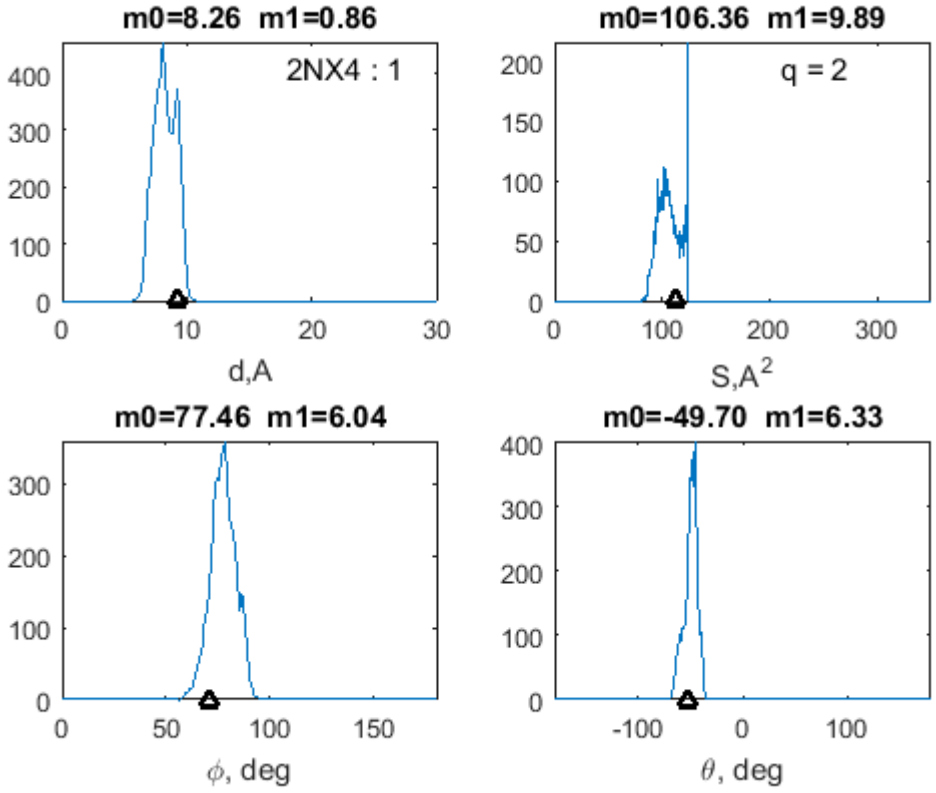

52 1D1L : 2 ξ_p=100.0% S_p=100.0%
1
2
3
4
150
100
50
0
-50
-100
-150
ψ
-150 -100 -50 0 50 100 150
ϕ

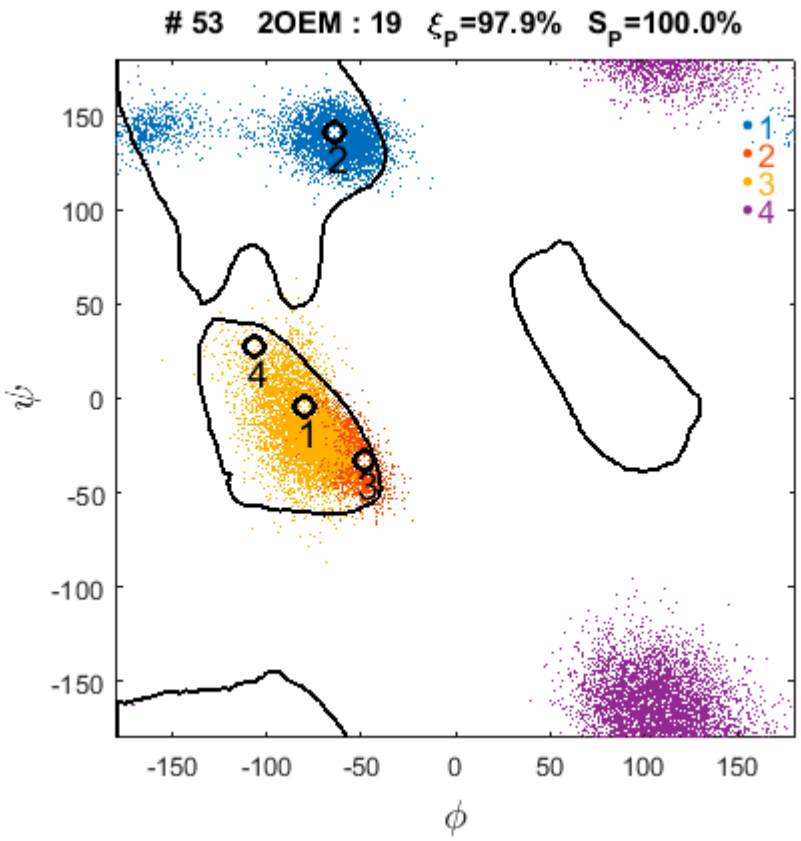

m0=8.96 m1=0.75
1D1L : 2
600
400
200
0
0 10 20 30
d,A
m0=36.52 m1=12.67
q = 3
100
50
0
0 100 200 300
S,A^2
m0=78.29 m1=8.72
200
100
0
0 50 100 150
ϕ, deg
m0=-87.00 m1=8.57
200
100
0
-100 0 100
θ, deg

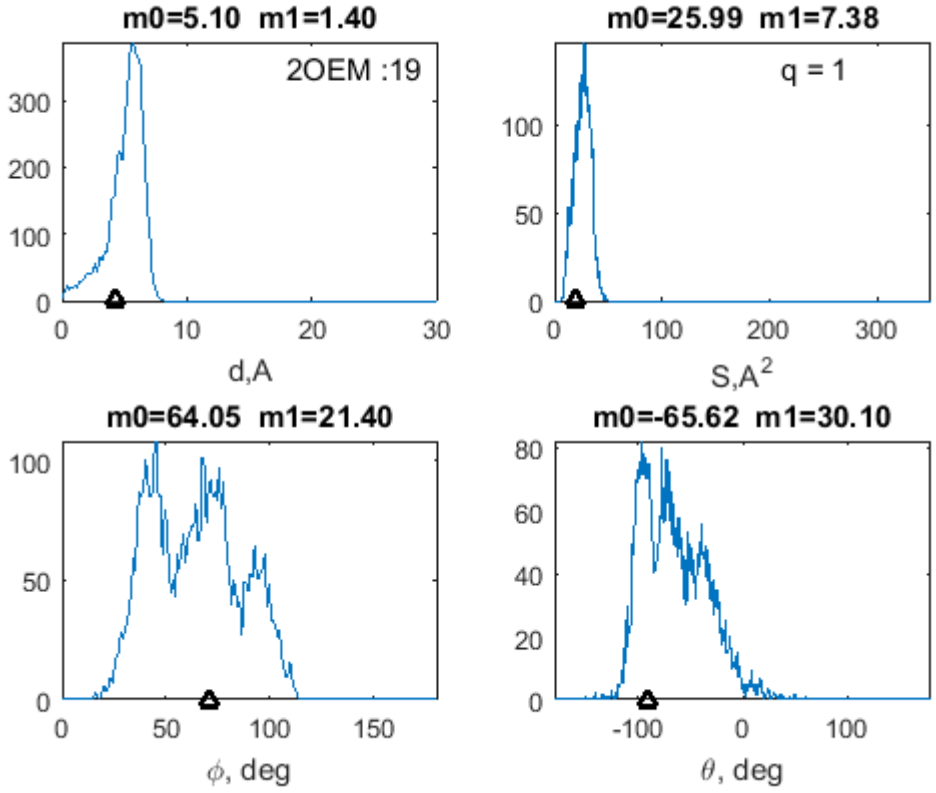

43 1ETO : 2 ξ_P=100.0% S_P=100.0%
1
2
3
4
ψ
ϕ


m0=9.40 m1=0.47
1ETO : 2
d,A
m0=95.07 m1=15.62
q = -3
S,A^2
m0=46.77 m1=12.96
ϕ, deg
m0=-45.06 m1=12.29
θ, deg


54 2NX4 : 1 ξ_p=100.0% S_p=100.0%
1
2
3
4
5
6
ψ
ϕ


m0=8.26 m1=0.86
2NX4 : 1
d,A
m0=106.36 m1=9.89
q = 2
S,A^2
m0=77.46 m1=6.04
ϕ, deg
m0=-49.70 m1=6.33
θ, deg


53 2OEM : 19 ξ_P=97.9% S_P=100.0%
1
2
3
4
ψ
ϕ


m0=5.10 m1=1.40
2OEM :19
d,A
m0=25.99 m1=7.38
q = 1
S,A^2
m0=64.05 m1=21.40
ϕ, deg
m0=-65.62 m1=30.10
θ, deg