

**FIT 1 \*\* 9\*\*MINOS**

FCN= 100.6331 FROM MINOS STATUS=SUCCESSFUL 575 CALLS 1040 TOTAL  
 EDM= 0.20E-10 STRATEGY=1 ERROR MATRIX UNCERTAINTY= 0.0%

EXT PARAMETER		PARABOLIC	MINOS ERRORS	
NO.	NAME VALUE		ERROR	NEGATIVE POSITIVE
1	x 0.43394	0.13242	-0.13938	0.12596
2	y 0.64580	0.24217E-01	-0.24169E-01	0.24296E-01
3	delta 0.20110	0.61732E-01	-0.63926E-01	0.63470E-01
4	rd 0.34418	0.21408E-02	-0.21105E-02	0.21755E-02
5	ad 0.0000	fixed		
6	qovp 1.0000	fixed		
7	phi 0.0000	fixed		
8	delta2 0.40298	0.40045	-0.40488	0.39790
9	ap 0.0000	fixed		
10	ak 0.0000	fixed		

**FIT 2a \*\* 16\*\*MINOS**

FCN= 68.91969 FROM MINOS STATUS=SUCCESSFUL 920 CALLS 2166 TOTAL  
 EDM= 0.12E-07 STRATEGY=1 ERROR MATRIX UNCERTAINTY= 0.2%

EXT PARAMETER		PARABOLIC	MINOS ERRORS	
NO.	NAME VALUE		ERROR	NEGATIVE POSITIVE
1	x 0.40708	0.43765E-01	-0.44322E-01	0.44117E-01
2	y 0.64298	0.23504E-01	-0.23441E-01	0.23604E-01
3	delta 0.19711	0.63982E-01	-0.66379E-01	0.62123E-01
4	rd 0.34377	0.17938E-02	-0.17983E-02	0.17966E-02
5	ad 0.0000	fixed		
6	qovp 1.0000	fixed		
7	phi -0.32298E-02	0.44432E-02	-0.45186E-02	0.44912E-02
8	delta2 0.42712	0.38119	-0.39240	0.37429
9	ap 0.20217	0.59375E-01	-0.59382E-01	0.59383E-01
10	ak 0.45270E-01	0.53169E-01	-0.53187E-01	0.53186E-01

**FIT 2b \*\* 23\*\*MINOS**

FCN= 68.91969 FROM MINOS STATUS=SUCCESSFUL 797 CALLS 3165 TOTAL  
 EDM= 0.11E-10 STRATEGY=1 ERROR MATRIX UNCERTAINTY= 0.0%

EXT PARAMETER		PARABOLIC	MINOS ERRORS	
NO.	NAME VALUE		ERROR	NEGATIVE POSITIVE
5	ad 0.0000	fixed		
6	qovp 1.0051	0.71345E-02	-0.71037E-02	0.71968E-02
7	phi 0.0000	fixed		

**FIT 2c \*\* 30 \*\*MINOS**

FCN= 68.91969 FROM MINOS STATUS=SUCCESSFUL 2259 CALLS 5585 TOTAL  
EDM= 0.27E-07 STRATEGY=1 ERROR MATRIX UNCERTAINTY= 3.1%

EXT PARAMETER		PARABOLIC	MINOS ERRORS		
NO.	NAME	VALUE	ERROR	NEGATIVE	POSITIVE
1	x12	0.40709	0.42778E-01	-0.44316E-01	0.44117E-01
2	y12	0.64299	0.64411E-02	-0.23440E-01	0.23604E-01
3	delta	0.19710	0.13791E-01	-0.66365E-01	0.62136E-01
4	rd	0.34377	0.83706E-03	-0.17976E-02	0.17972E-02
5	ad	0.0000	fixed		
7	phi12	0.11286E-01	0.15738E-01	-0.15698E-01	0.15971E-01
8	delta2	0.42715	0.37378	-0.39243	0.37428
9	ap	0.20217	0.59070E-01	-0.59380E-01	0.59384E-01
10	ak	0.45268E-01	0.52909E-01	-0.53184E-01	0.53188E-01

**FIT 3 \*\* 41 \*\*MINOS**

FCN= 66.48311 FROM MINOS STATUS=SUCCESSFUL 1092 CALLS 8902 TOTAL  
EDM= 0.91E-12 STRATEGY=1 ERROR MATRIX UNCERTAINTY= 1.4%

EXT PARAMETER		PARABOLIC	MINOS ERRORS		
NO.	NAME	VALUE	ERROR	NEGATIVE	POSITIVE
1	x12	0.40740	0.44078E-01	-0.44245E-01	0.44046E-01
2	y12	0.64107	0.23464E-01	-0.23374E-01	0.23563E-01
3	delta	0.18955	0.64251E-01	-0.67024E-01	0.62553E-01
4	rd	0.34366	0.17981E-02	-0.18002E-02	0.17989E-02
5	ad	0.0000	fixed		
6	phi^G	0.41850E-01	0.26944E-01	-0.26852E-01	0.27081E-01
7	phi^M	0.83180E-02	0.15968E-01	-0.16027E-01	0.16084E-01
8	delta2	0.42523	0.38445	-0.39257	0.37453
9	ap	0.20021	0.59377E-01	-0.59417E-01	0.59416E-01
10	ak	0.43173E-01	0.53177E-01	-0.53228E-01	0.53226E-01

**FIT 4 \*\* 55 \*\*MINOS**

FCN= 65.39857 FROM MINOS STATUS=SUCCESSFUL 1297 CALLS 12189 TOTAL  
EDM= 0.85E-10 STRATEGY=1 ERROR MATRIX UNCERTAINTY= 1.2%

EXT PARAMETER			PARABOLIC	MINOS ERRORS	
NO.	NAME	VALUE	ERROR	NEGATIVE	POSITIVE
1	x	0.40709	0.44238E-01	-0.44384E-01	0.44182E-01
2	y	0.64536	0.23460E-01	-0.23371E-01	0.23538E-01
3	delta	0.19980	0.63390E-01	-0.65695E-01	0.61620E-01
4	rd	0.34370	0.17849E-02	-0.17850E-02	0.17841E-02
5	ad	-0.76581	0.35167	-0.35179	0.35171
6	qovp	0.99371	0.15415E-01	-0.15272E-01	0.15528E-01
7	phi	-0.45441E-01	0.19994E-01	-0.20137E-01	0.19933E-01
8	delta2	0.42914	0.38326	-0.39214	0.37397
9	ap	0.21818	0.60074E-01	-0.60045E-01	0.60046E-01
10	ak	0.62356E-01	0.54058E-01	-0.54026E-01	0.54027E-01