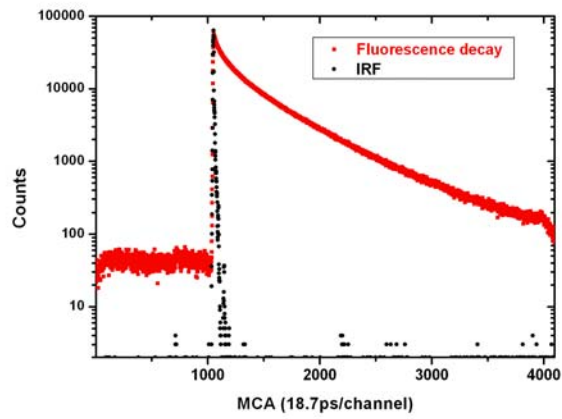
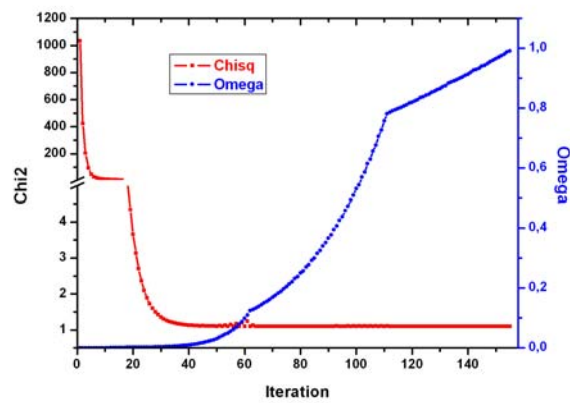


# Lifetime distribution recovery in time-resolved fluorescence analysis

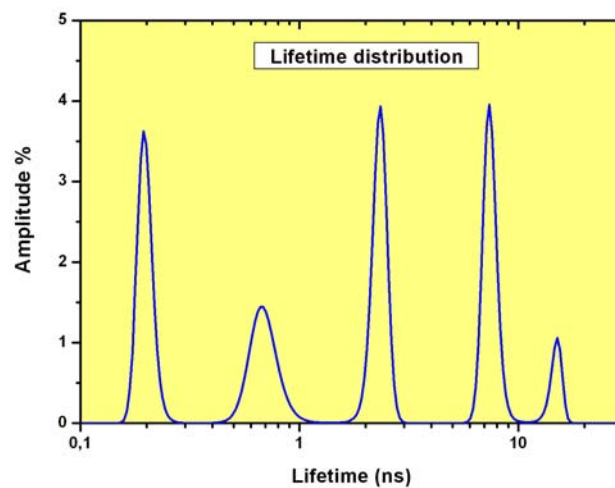
## Multi-exponential decay data



## Analysed by PULSE5 software



## Evidence for 5 exponential decay



# Analysis data sheet from PULSE5 as shown by Igor® procedure

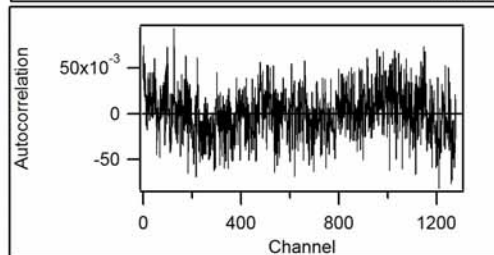
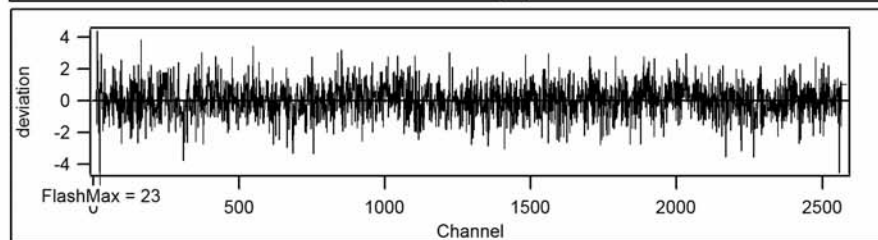
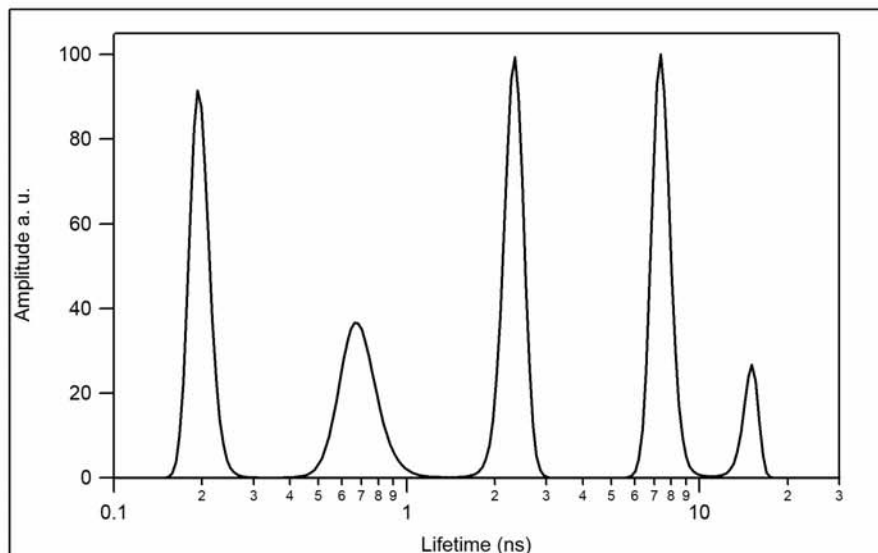
MEDC Ltd (C) 18/07/2007 23:58

Analysis date: 18/ 7/2007 at 20h00

File:TEST-2.TXT

<TCSPC measurement at magic angle t=20°C

<18 July 2007 : DEMO 2 PULSE5.EXE Data from fluorescent sample



Poin	Tau	Ci	DTau	DCi
0	0.000	0.000	0.000	0.000
1	0.198	0.248	0.017	0.024
2	0.693	0.182	0.106	0.034
3	2.314	0.266	0.127	0.023
4	7.443	0.251	0.411	0.025
5	14.830	0.054	1.717	0.024
6				

Scatter Light : 1.0849e+05

OMEGA : 0.991

Chi2 : 1.0956

N1F = 1031	N2F= 3600	NFit = 1041	N1BF= 401	N2BF= 650
Gfactor = 0	Shift=0	AL = 0.0187	Tref=0	D_Level= 0
Tau Min =0.1	Tau Max=30	Nbr Tau=200	Tau moyen= 3.4533	
Niter 155 /500	Rate1 =-0.6	Rate2 =-0.2	Rate3 =-0.03	
Evidence = -25354.7		db = 50.6		