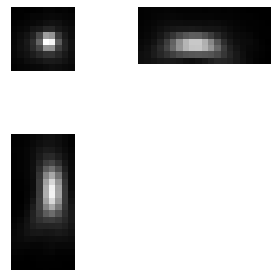


## Bead 3

Date : Thu Jul 14 17:13:29 PDT 2022

Origin : data05\_traditional.tif ( 100x1.35 Sil )

Frame size : 10 pixels



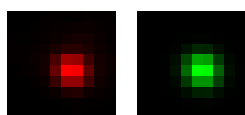
Coordinates : -9.46  $\mu\text{m}$  (x), -3.36  $\mu\text{m}$  (y), 917 nm (z)

Corresponding bead : Not found

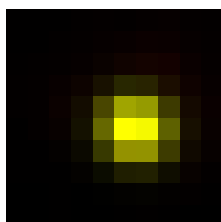
FWHM	Non corrected	Corrected	Theoretical
min	271 nm	276 nm	190 nm
max	287 nm	293 nm	190 nm
z	736 nm	737 nm	642 nm
Asymmetry	0.945		
Theta	-21.1°		

### XY profile & fitting parameters :

(red : the original data, green : the fit, yellow : the two merged)



Fitted on  $i(x,y) = A * \exp(-(a*(x-xc)^2 + c*(y-yc)^2 + 2*b*(x-xc)*(y-yc))) + B$   
 $R^2 = 0.993$



Parameters:

$A = 10424.988$  (brightness)

$B = 270.923$  (background)

$a = 0.462$  px

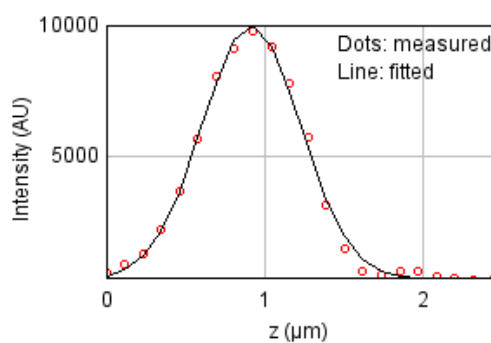
$b = -0.018$  px

$c = 0.502$  px

$x_c = 5.470$  px

$y_c = 4.956$  px

### Z profile & fitting parameters:



Fitted on  $y = a + (b-a)*\exp(-(x-c)^2/(2*d^2))$

Sum of residuals squared: 1285904.30

Standard deviation: 247.45411

$R^2: 0.99502$

Parameters:

$a = 278.08677$

$b = 10020.7086$

$c = 0.91726$

$d = 0.31245$