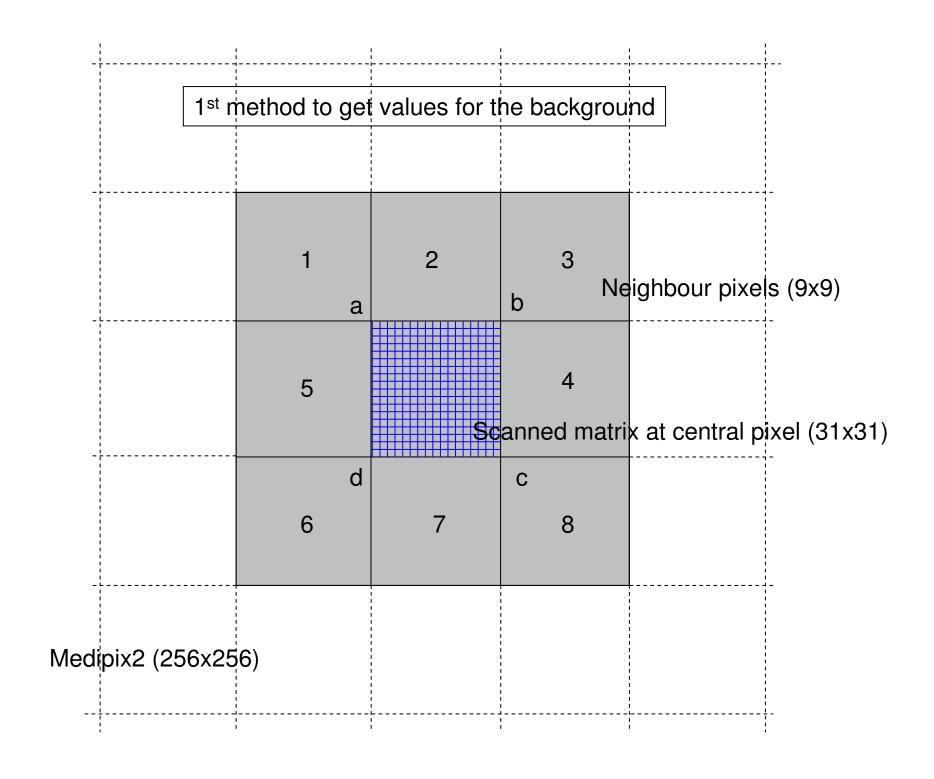
3rd Report on the analysis status of the 3D test beam experiment at Diamond in May 2009

-REMOVING BACKGROUND-

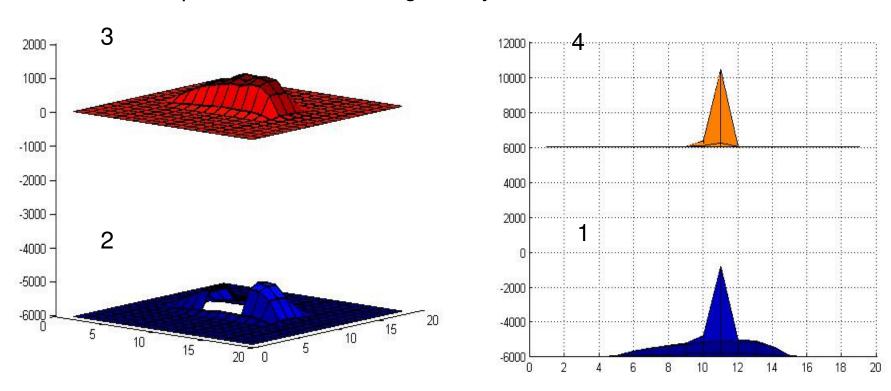
15/07/09

E.N. Gimenez

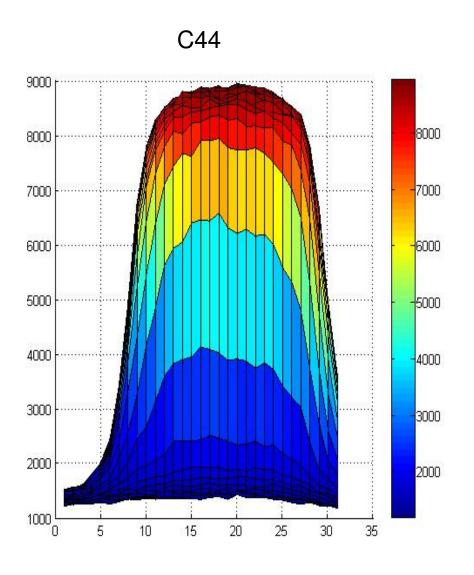


1st method to get values for the background

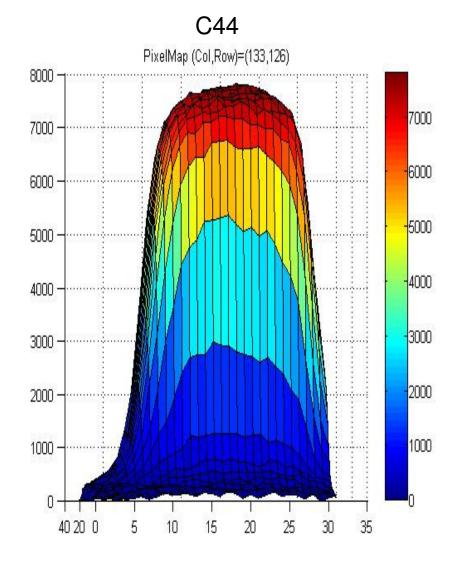
Interpolation of a surface given by 9 elements of the matrix



- 1. Original set of data from one scan file with background
- 2. Removing the central points corresponding to the closest neighbours (matrix 9x9) to do the interpolation
- Interpolating the values for the matrix 9x9
- 4. Set of data when removing the background values obtained from the interpolation.

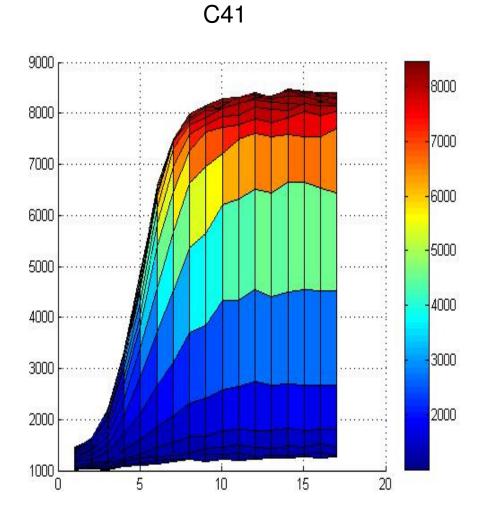


Original data set

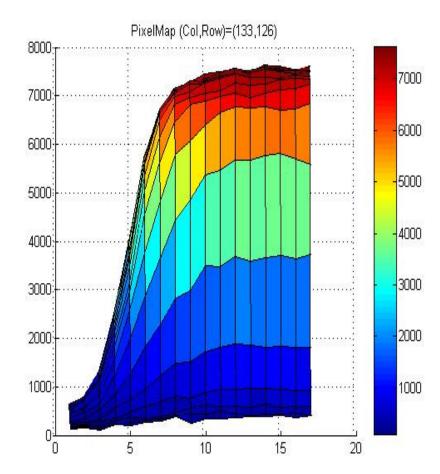


Background obtained with interpolation surface removed form original data set

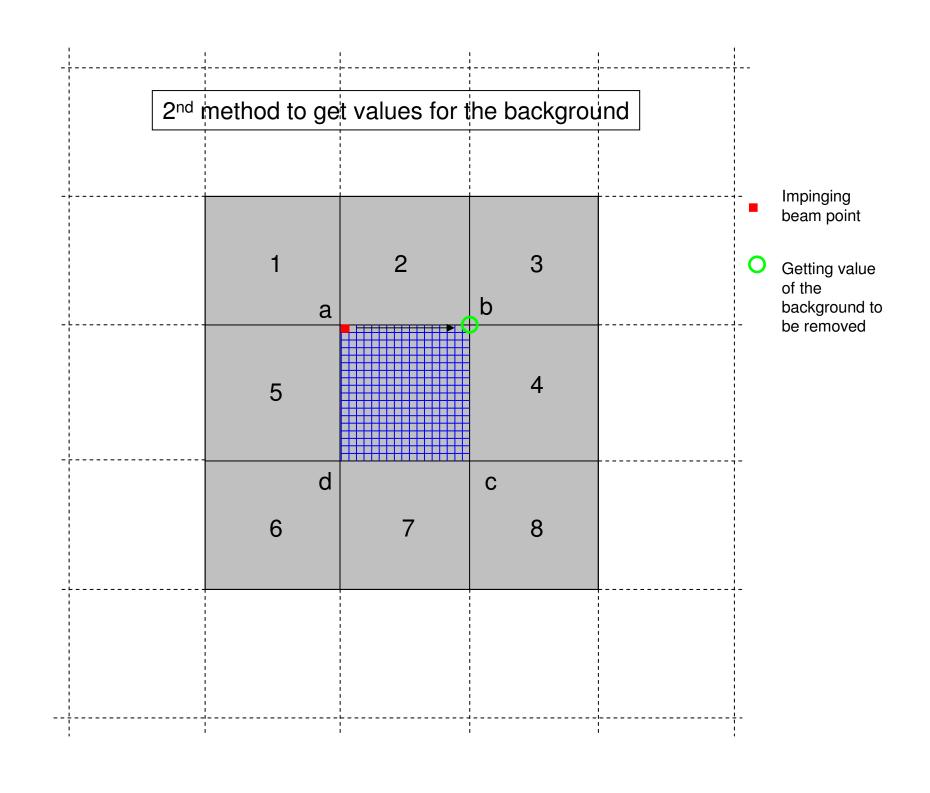


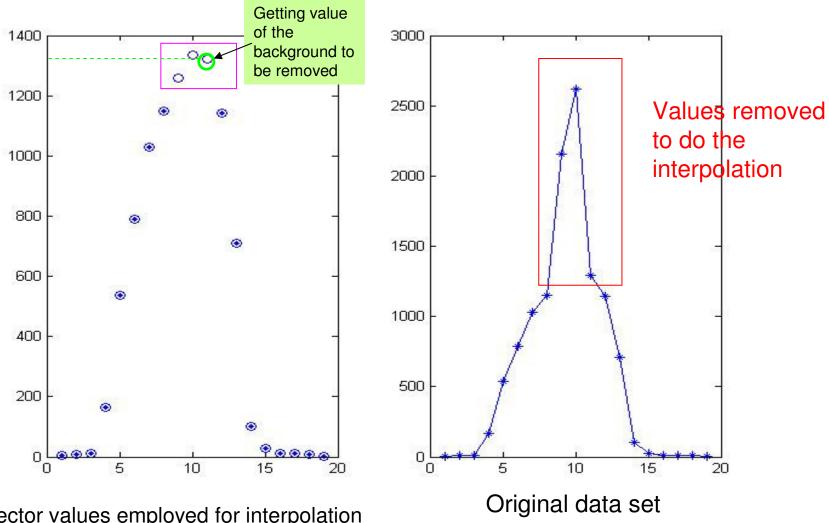


Original data set



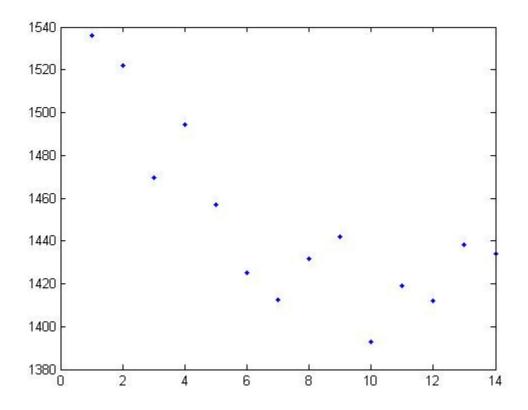
Background obtained with interpolation surface removed form original data set





Vector values employed for interpolationInterpolated data

Repeating the process for all the scanning points from a to b



Averaged background value to be removed for C41 = 1450