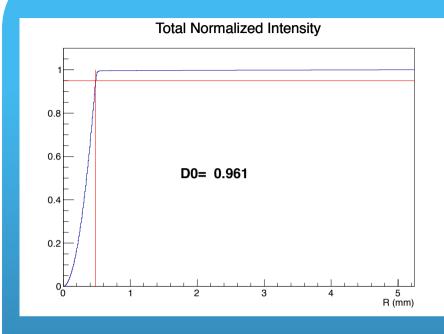
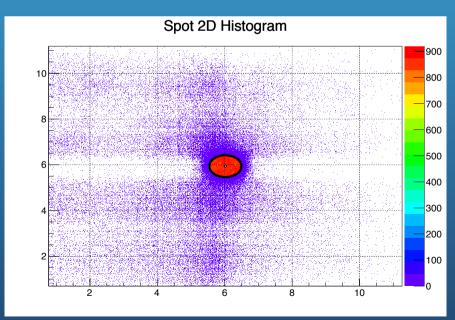
# D0 measurements

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**INFN Ferrara** 



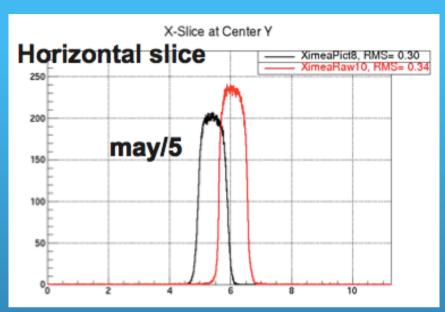


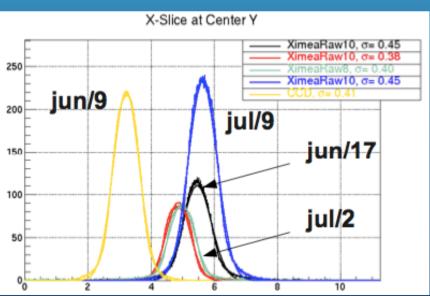
### d0

#### Mirrors: CMA2 Edmund

Measurements: d0 vs exposition time d0 vs mirror distance

### CMA2 Previous measurements





May 2015 LNF d0 1.14 mm

June 2015 Ferrara d0 2.4 mm

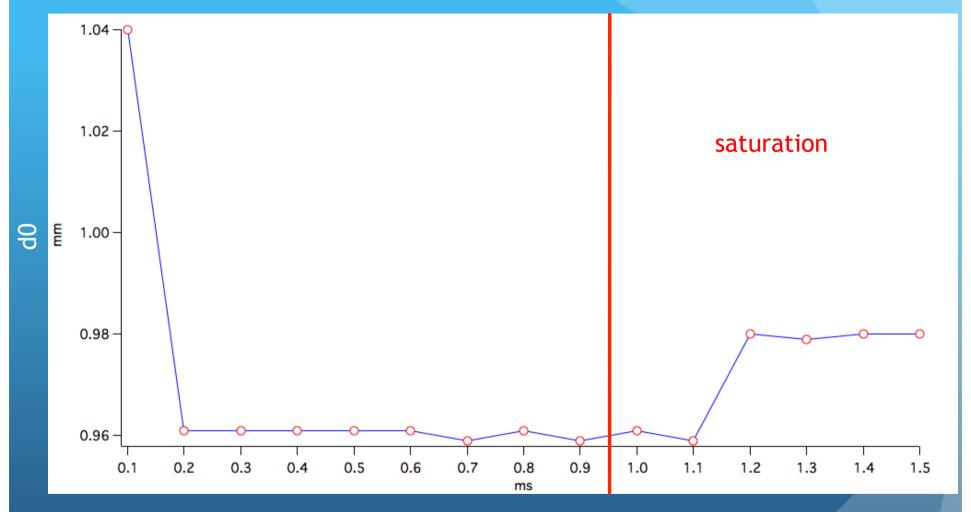
# Experimental conditions

CMA2 mirror has been put in the dry cabinet for 1 week.

After several background studies we decided to work only with:

-High light intensity,
-Small exposition time.
So there is only electronic background.

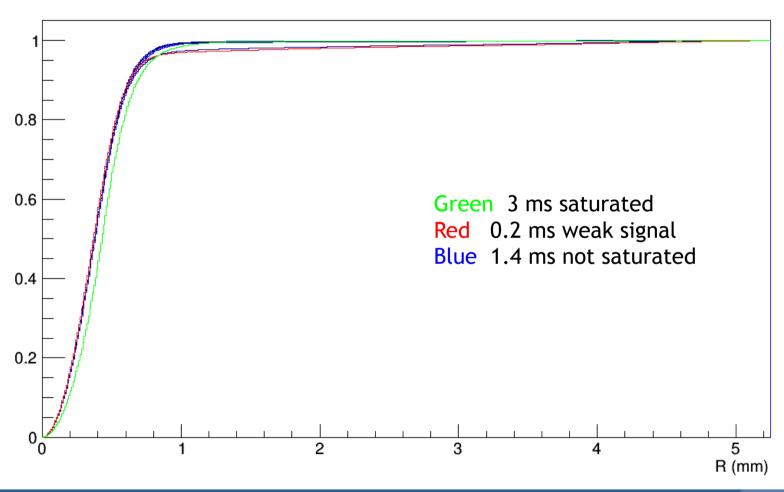
# edmund: d0 vs exp. time



exposition time

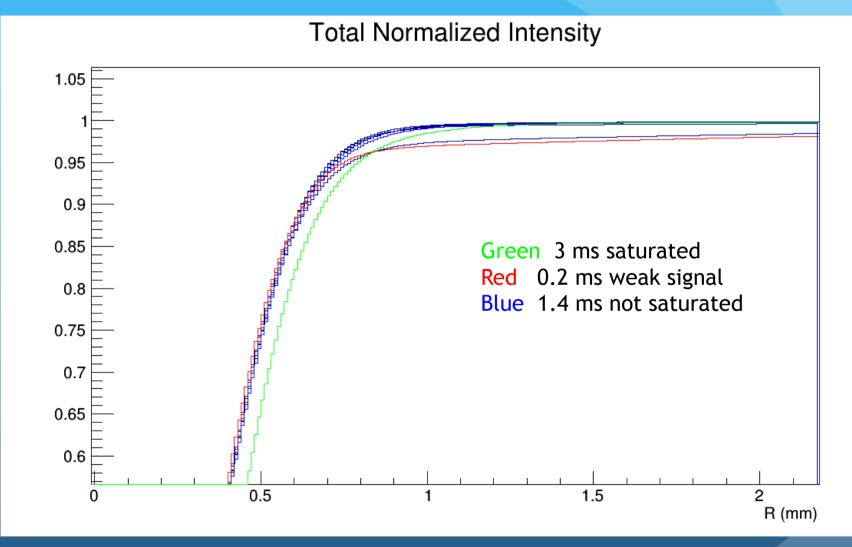
# CMA2: d0 vs exp. time





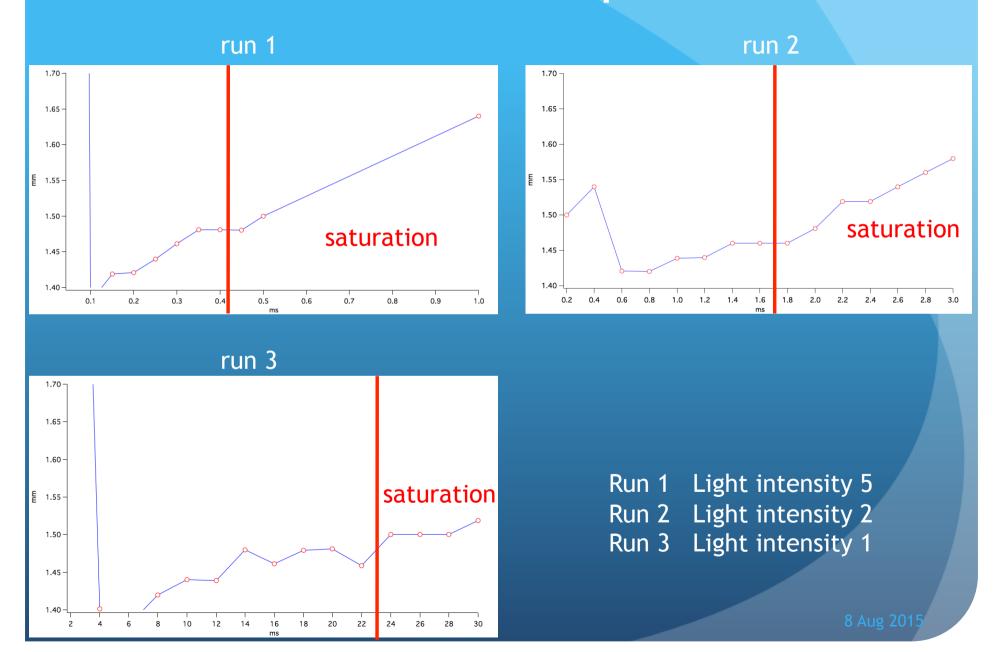
Radius of integration of the spot\_

# CMA2: d0 vs exp. time

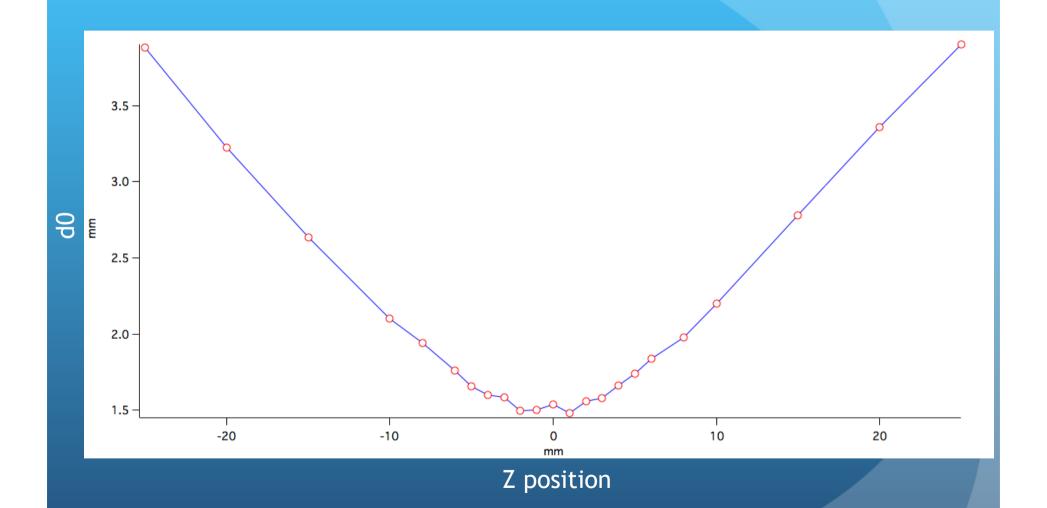


Radius of integration of the spot

# CMA2: d0 vs exp. time



### CMA2: d0 vs mirror distance



### Conclusion

After 1 week in the dry cabinet the CMA2 has a d0 0f 1.4t5 mm

The mirror is sensitive to the humidity since it's not coated.