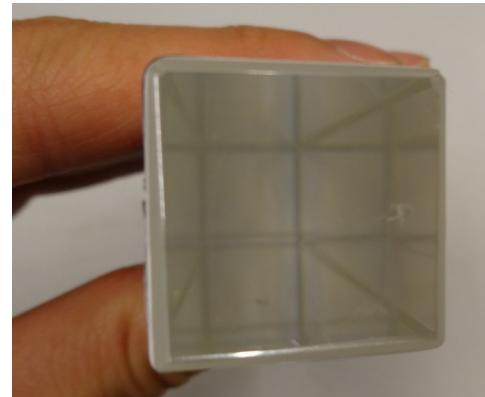


Light yield measurement at IPN- Orsay

Rong Wang ...

Institut de Physique Nucléaire d'Orsay, France

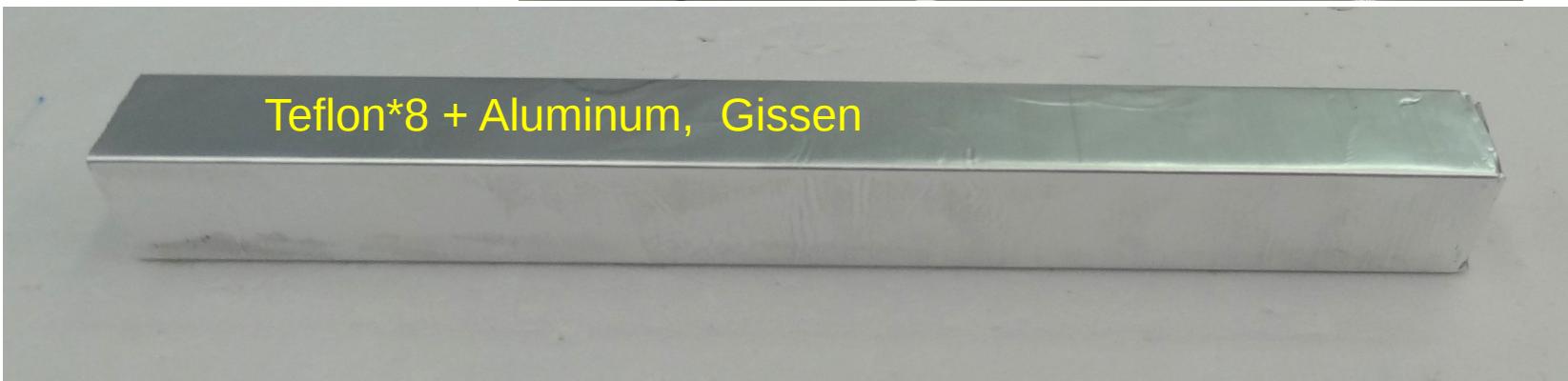
Wrappings



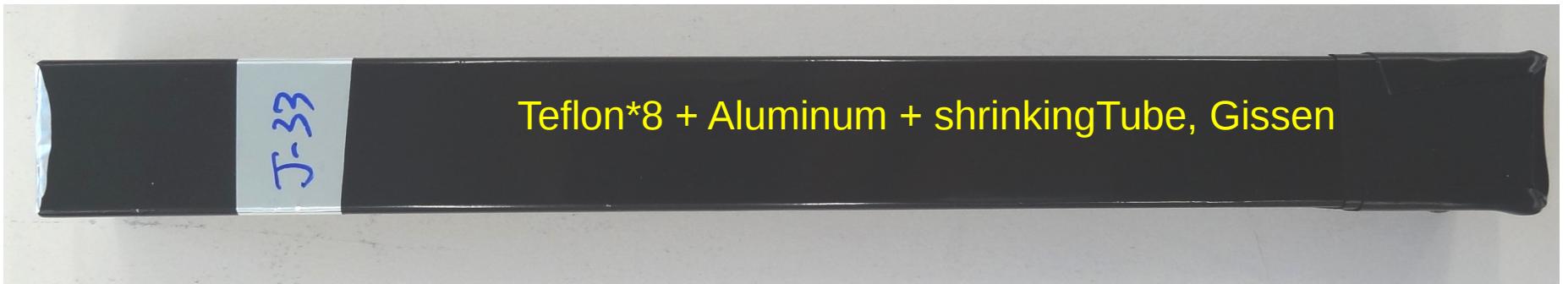
Wrappings



Teflon*8,
Gissen

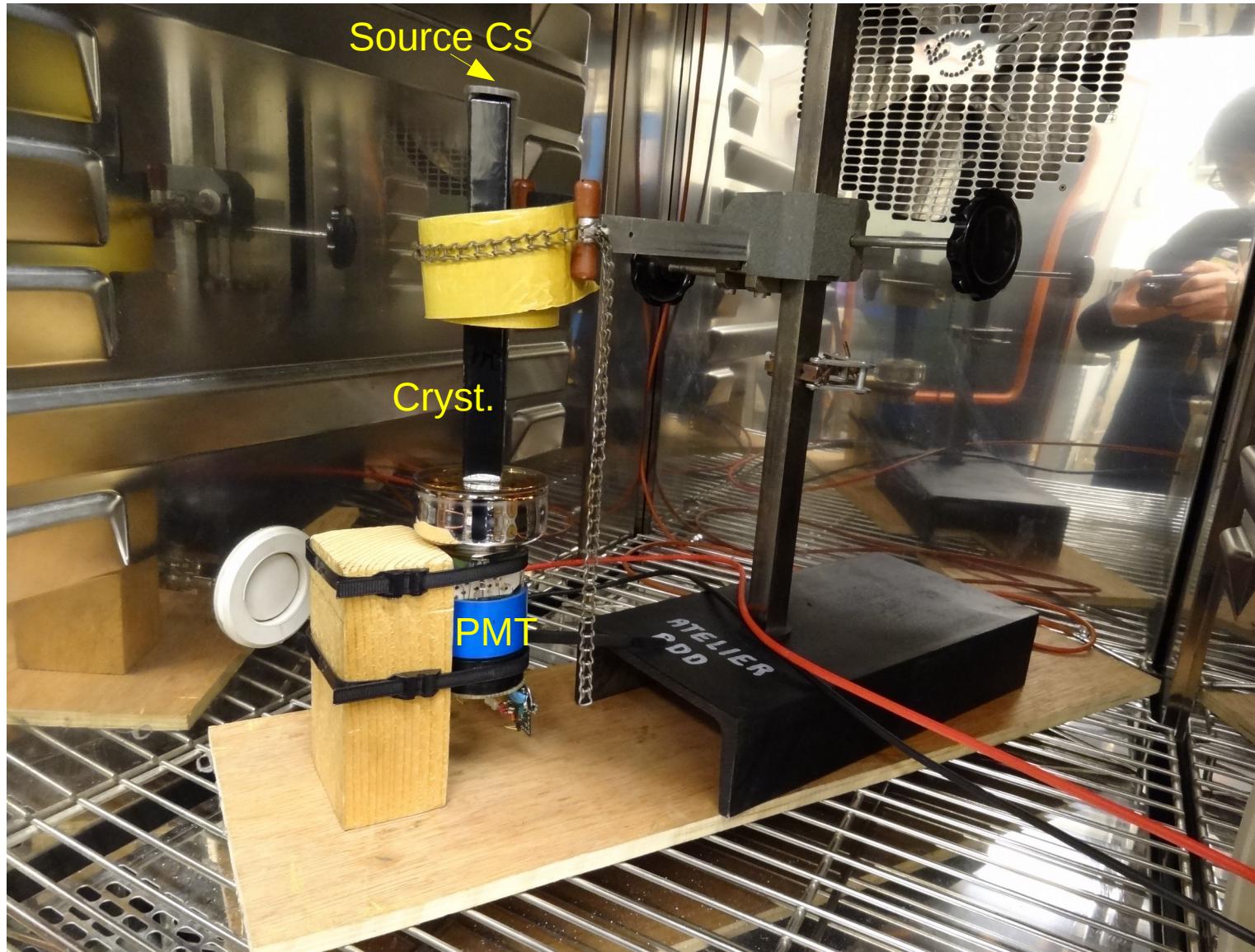


Teflon*8 + Aluminum, Gissen



Teflon*8 + Aluminum + shrinkingTube, Gissen

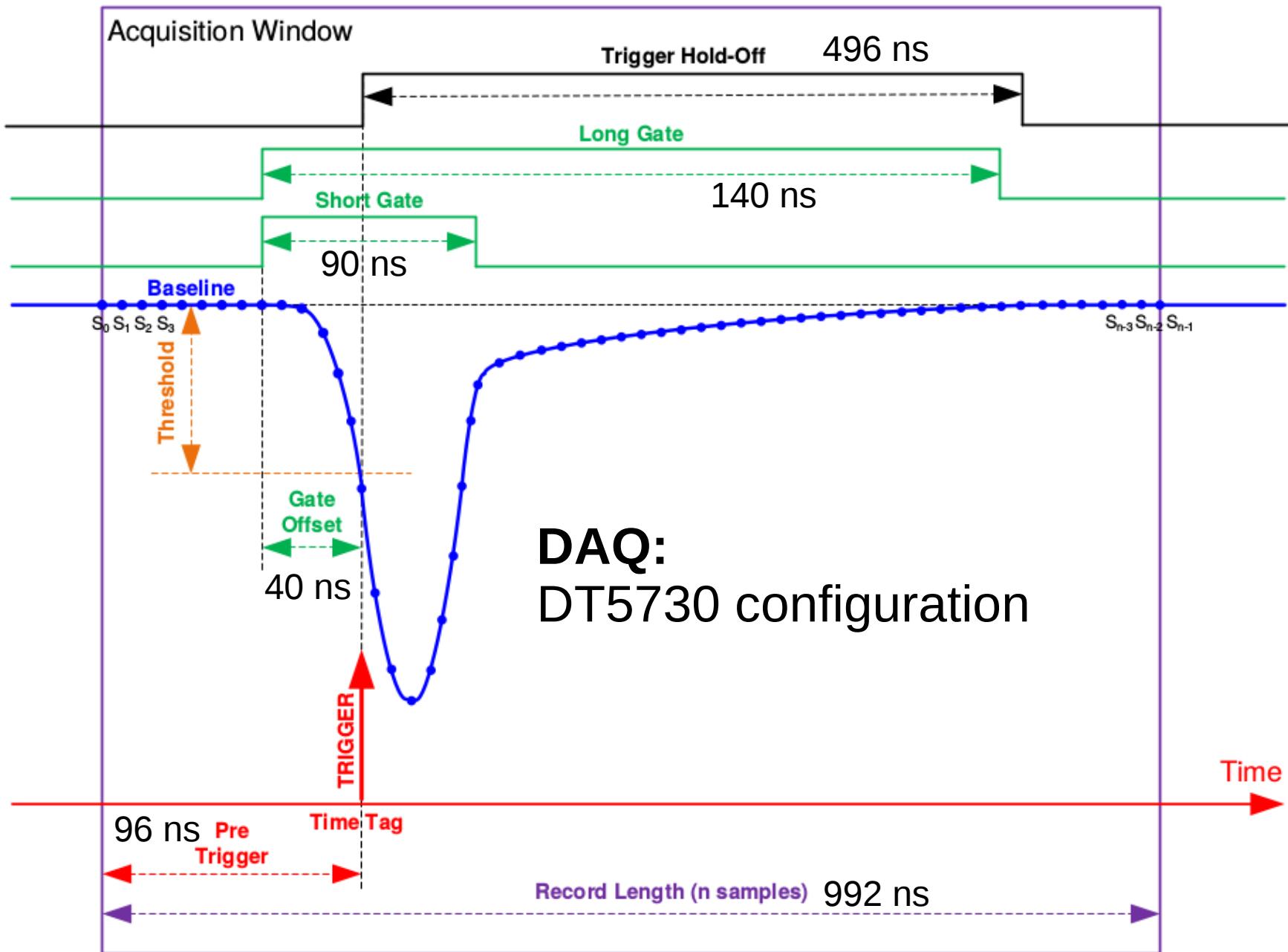
Temperature-controlled chamber



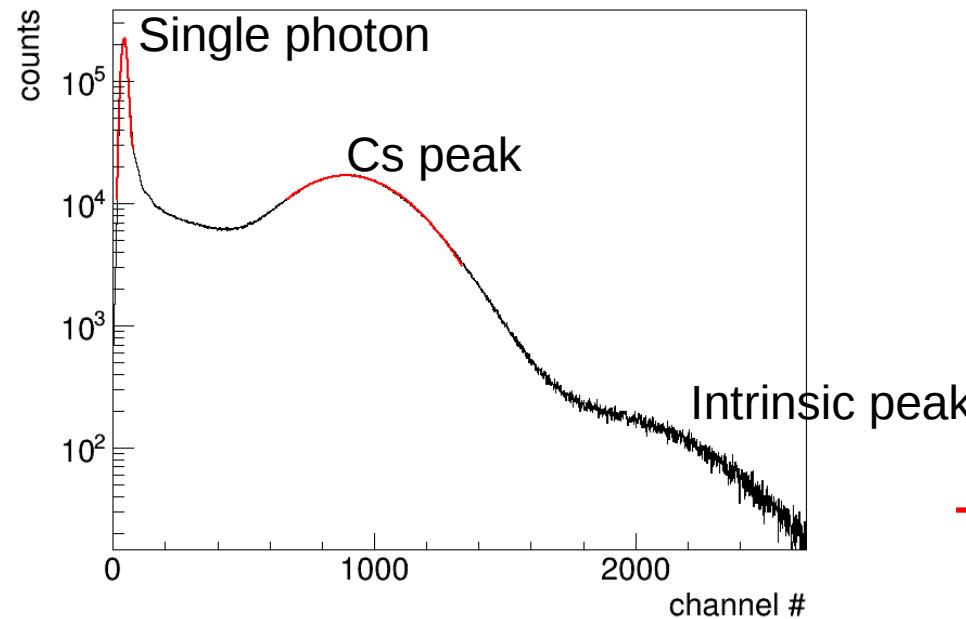
At IPN-Orsay

Temperature-controlled chamber



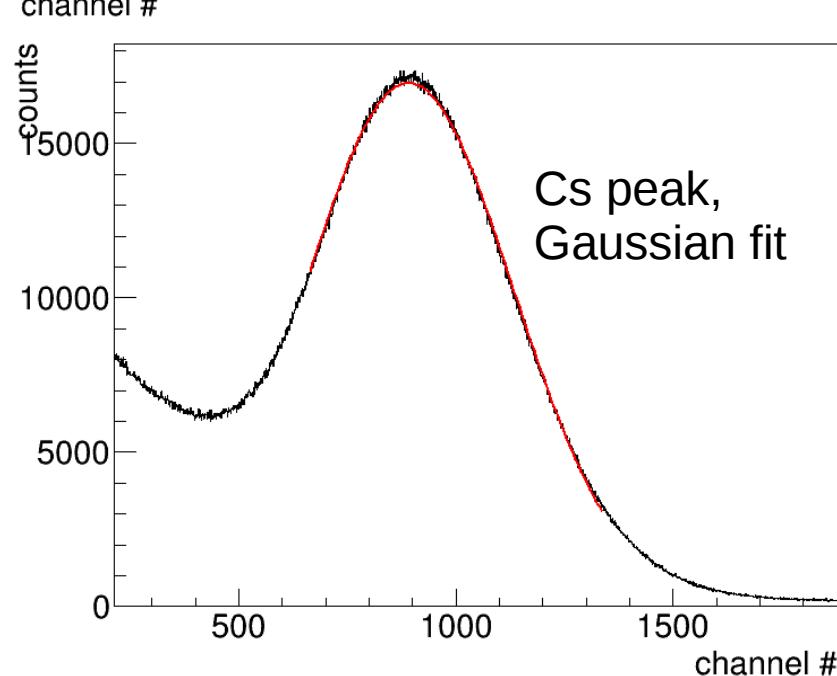
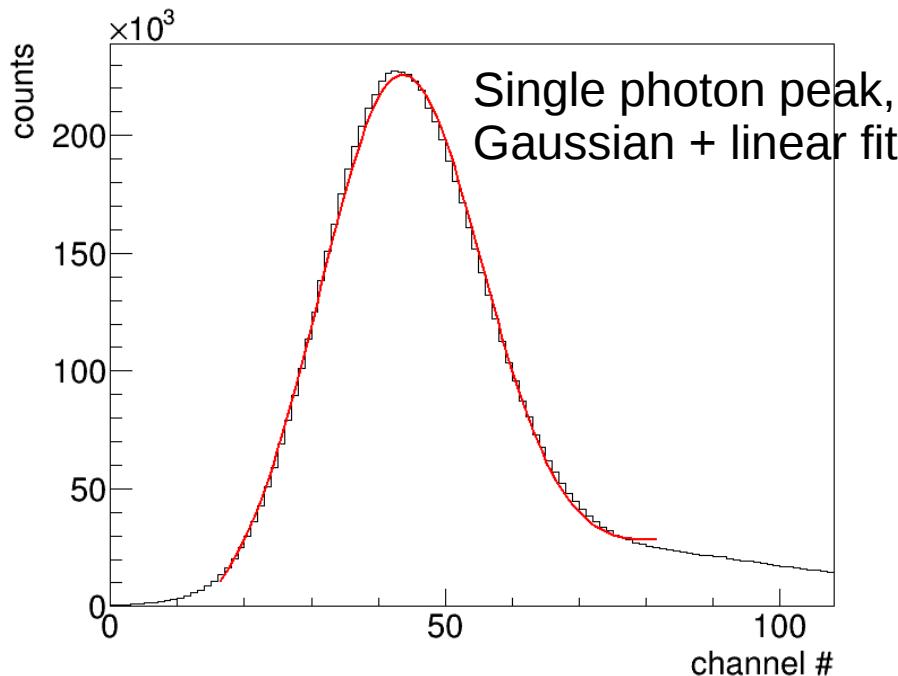


Spectrum with ^{137}Cs source for J43

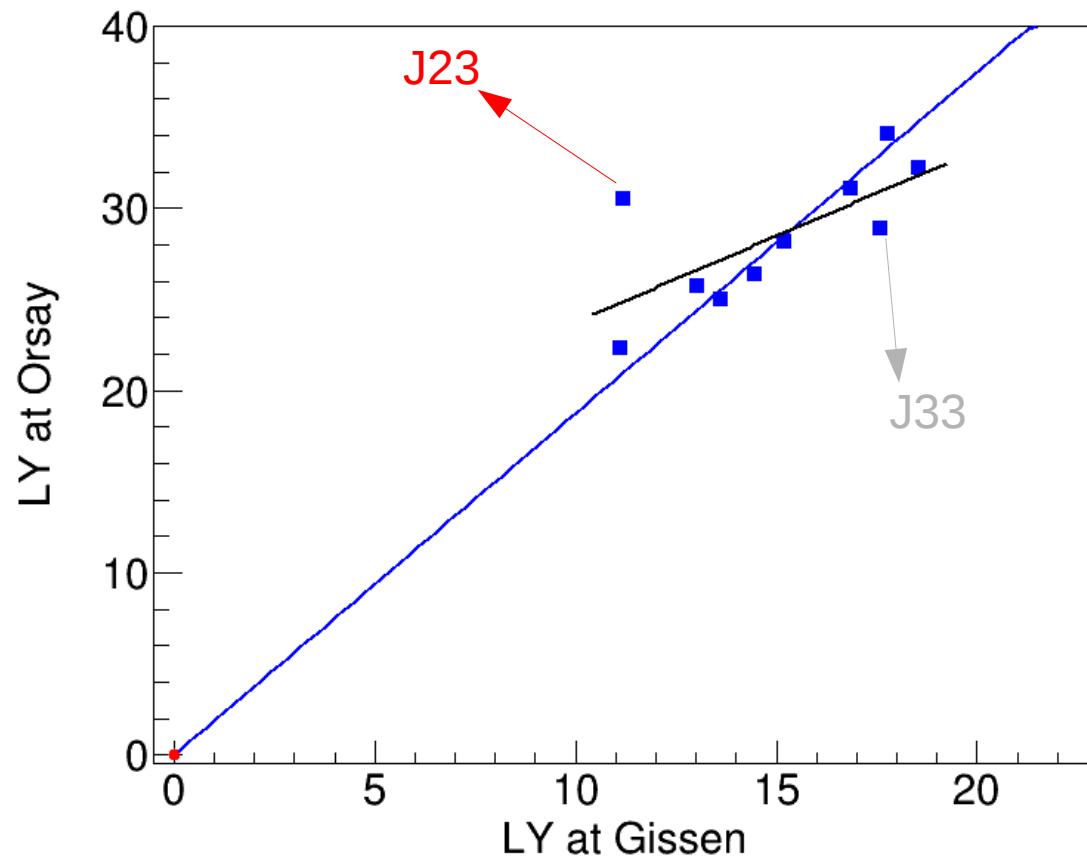


Number of photo-electrons
= Mean_singlePhoton
/ Mean_Cs

Temperature at 18 Deg!

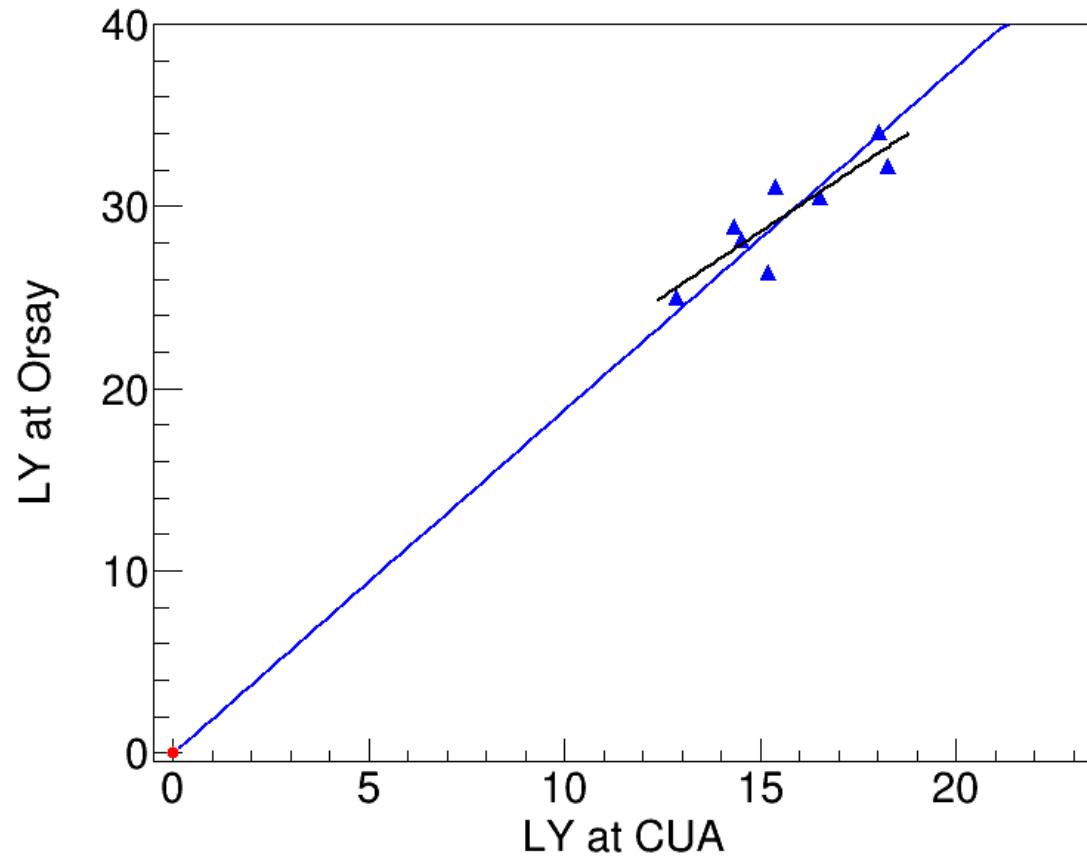


Correlation between IPN and Gissen



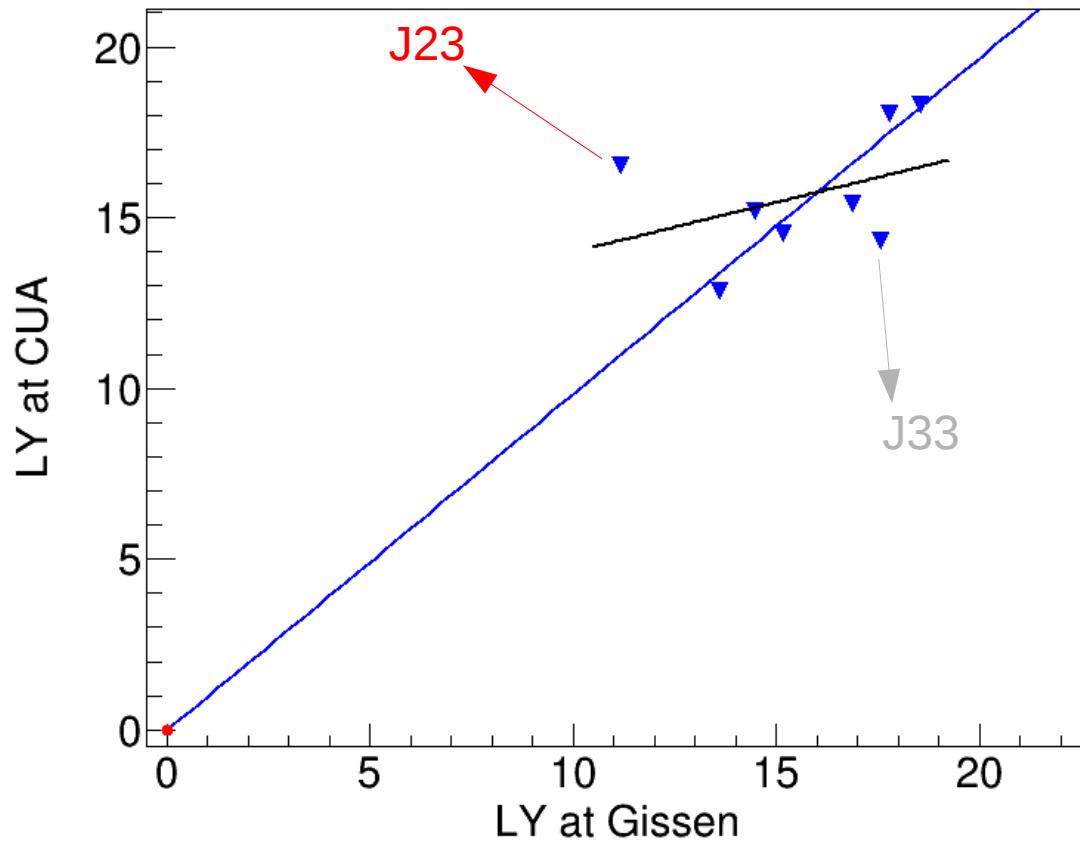
$$LY_{\text{Orsay}} = 1.87 * LY_{\text{Gissen}}$$

Correlation between IPN and CUA



$$LY_{Orsay} = 1.88 * LY_{CUA}$$

Correlation between CUA and Gissen



$$LY_{CUA} = 0.983 * LY_{Gissen}$$

Summary

- LY at IPN is linearly correlated with LY at CUA
- Excluding the data point of J33, all the measurements are correlated.