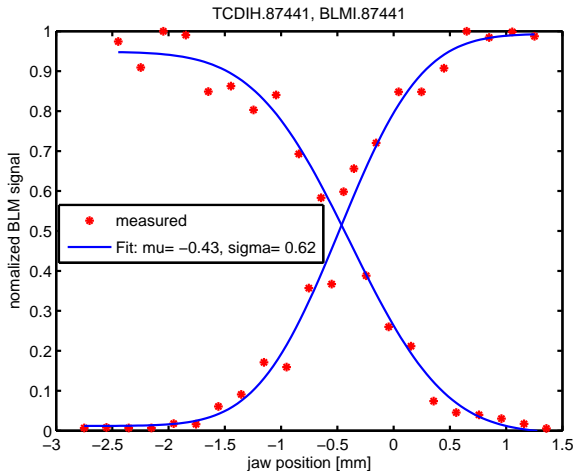# Centering of H collimators in TI8 and TCP, TCLA scans in IP7

D. Wollmann, R. Assmann, W. Bartmann, C. Bracco, B. Goddard, V. Kain, A. Macpherson, S. Redaelli, A. Rossi
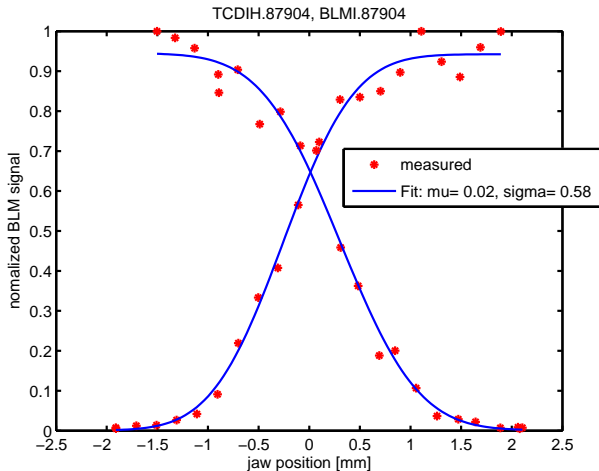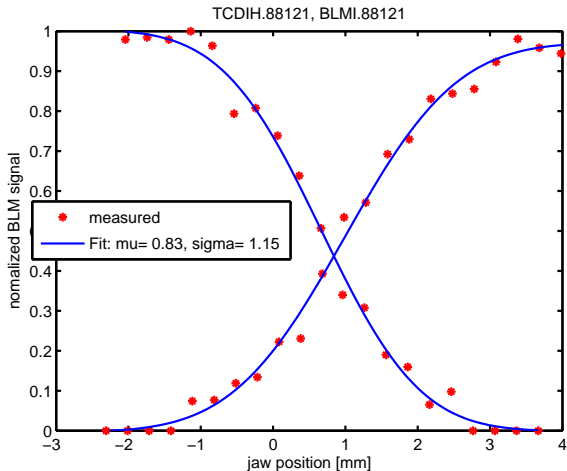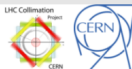
13th November 2009

TCDIH.87441, BLMI.87441

$\sigma_{nom} = 0.35\,\mathrm{mm}$

Centering of jaws - TCDIH_87904

TCDIH.87904, BLMI.87904

Legend:
- * measured
- Fit: mu= 0.02, sigma= 0.58
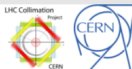
x-axis: jaw position [mm]
y-axis: nomalized BLM signal

$\sigma_{nom} = 0.41\,\mathrm{mm}$

Centering of jaws - TCDIH_88121

$$\sigma_{nom} = 0.71\,\mathrm{mm}$$

TCP.C6R7.B2 - TCDIs at 4.5 σ_{nom} versus TCDIs out

TCP.C6R7.B2 scan with left jaw

Legend:
- measured values TCDIH in
- measured values TCDIH out

x-axis: jaw position [mm]
y-axis: normalized BLM signal (x 10^{-12})
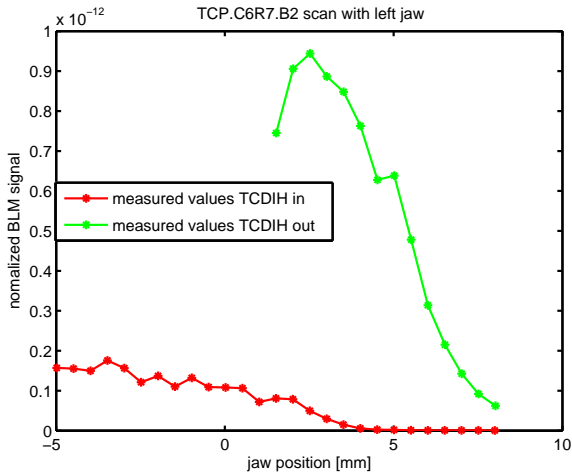
normalized on beam intensity
$\sigma_{nom} = 1.05\,\text{mm}$

TCP.C6R7.B2 - TCDIs at 4.5 σ_{nom} versus TCDIs out

TCP.C6R7.B2 scan with left jaw

$\sigma_{nom} = 1.05\,\mathrm{mm}$

$\sigma_1 = 2.6\,\mathrm{mm}$, $\mu_1 = 1.27\,\mathrm{mm}$, $\sigma_2 = 1.24\,\mathrm{mm}$, $\mu_2 = 5.52\,\mathrm{mm}$
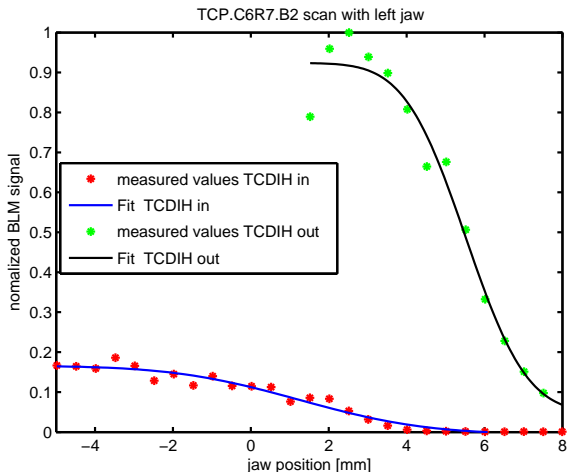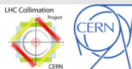
TCLA.B6L7.B2 - TCDIs at 4.5 σ_{nom} versus TCDIs out
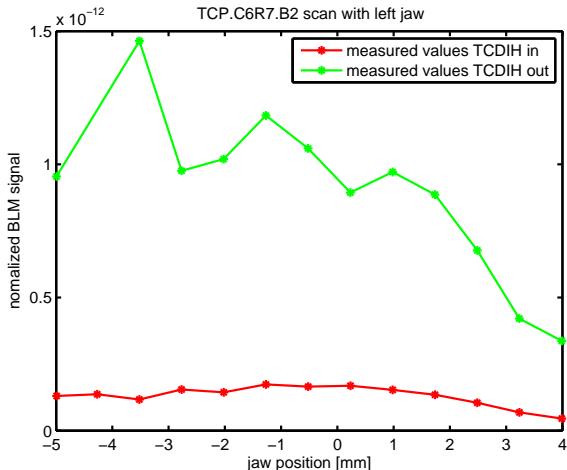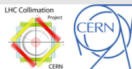
normalized on beam intensity

$\sigma_{nom} = 1.1\,\text{mm}$

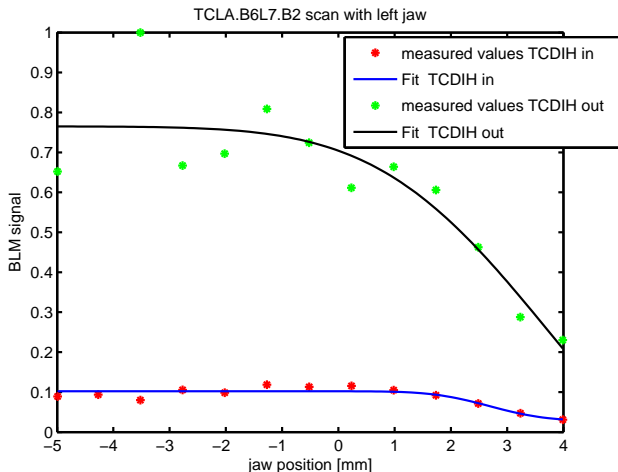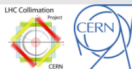# TCLA.B6L7.B2 - TCDIs at 4.5 σ_{nom} versus TCDIs out

TCLA.B6L7.B2 scan with left jaw

* measured values TCDIH in
Fit TCDIH in
* measured values TCDIH out
Fit TCDIH out

$\sigma_{nom} = 1.1\,\mathrm{mm}$
$\sigma_1 = 2.7\,\mathrm{mm},\ \mu_1 = 0.8\,\mathrm{mm},\ \sigma_2 = 3.7\,\mathrm{mm},\ \mu_2 = 2.4\,\mathrm{mm}$