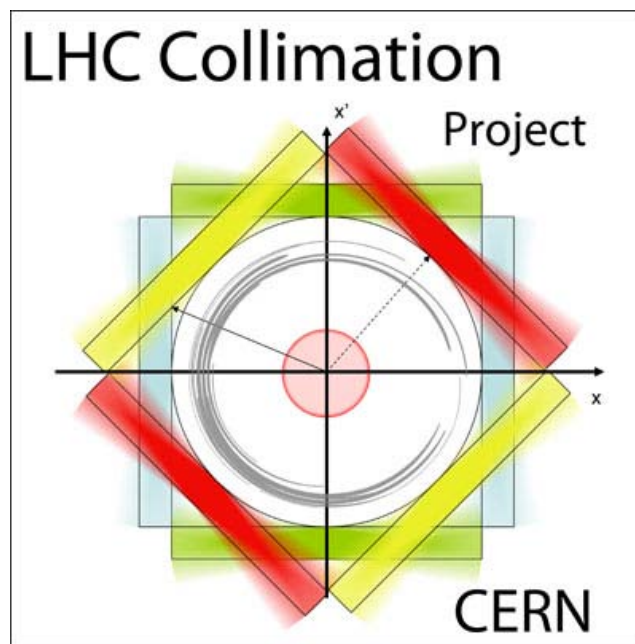




Updates on Halo scraping



F. Burkart

R. Assmann, D. Wollmann, R. Bruce,
S. Redaelli, M. Cauchi, G. Valentino



Halo scraping

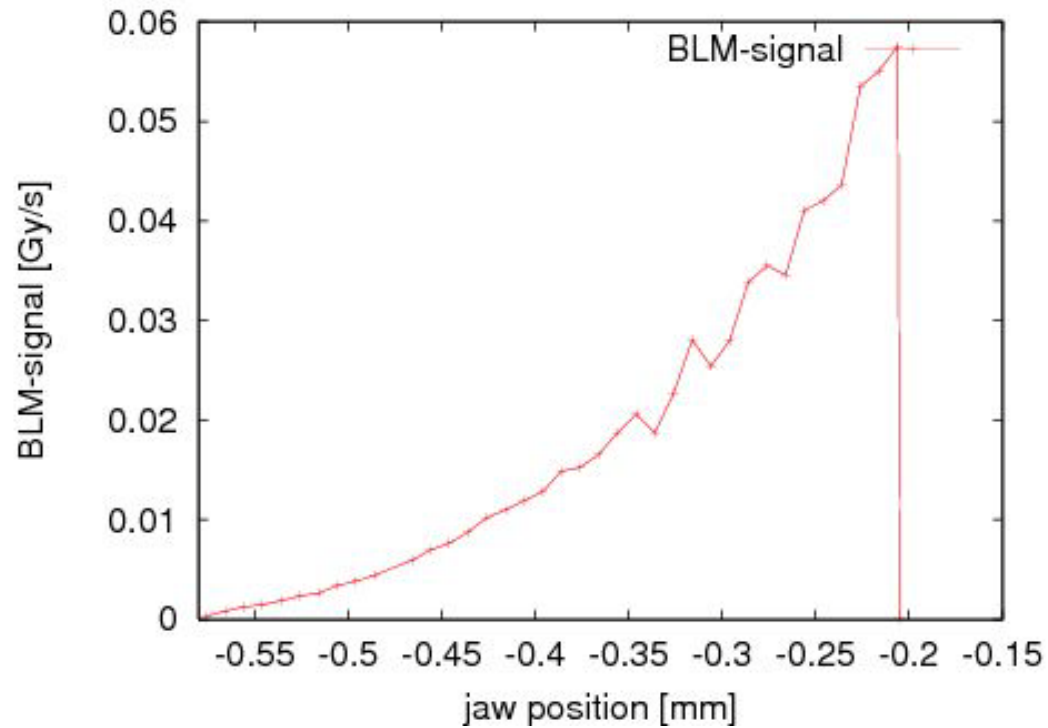
25.08.2010



- Eof-studies
- scraping into the halo until the beam is dumped
- TCP.D6R7.B2 (ver)
- Beam size $\sigma = 0.270$ mm
- Beam Intensity : $3.95 \text{ E}+12$ p
- Left jaw moved into the halo, stepsize 10 micron every 4 seconds

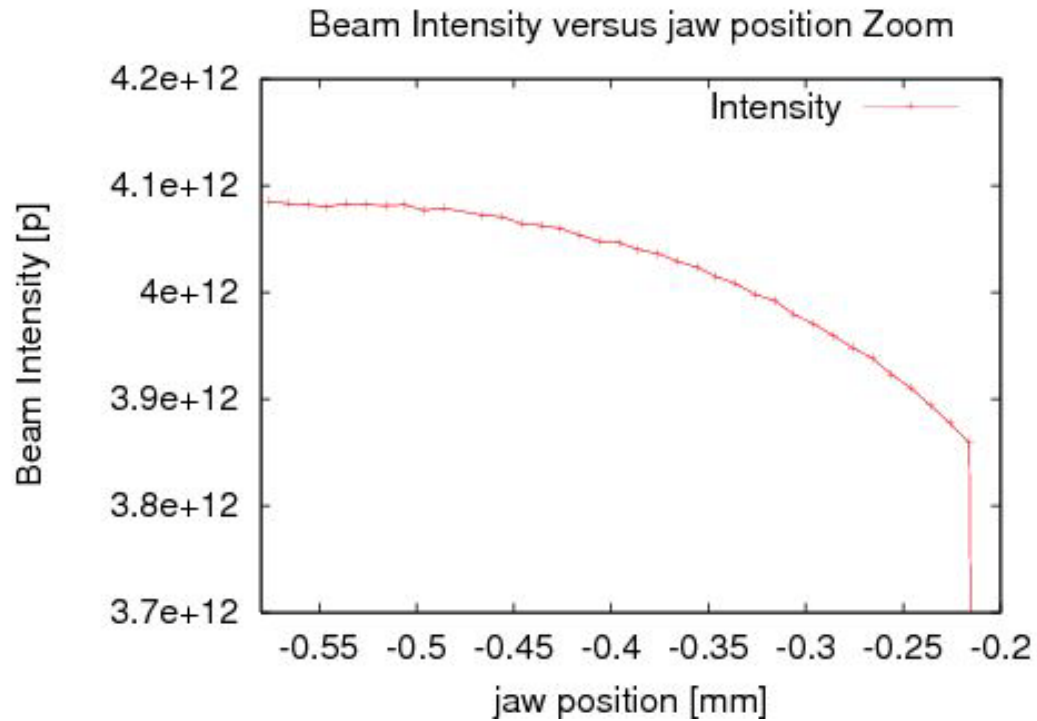
Halo scraping

25.08.2010



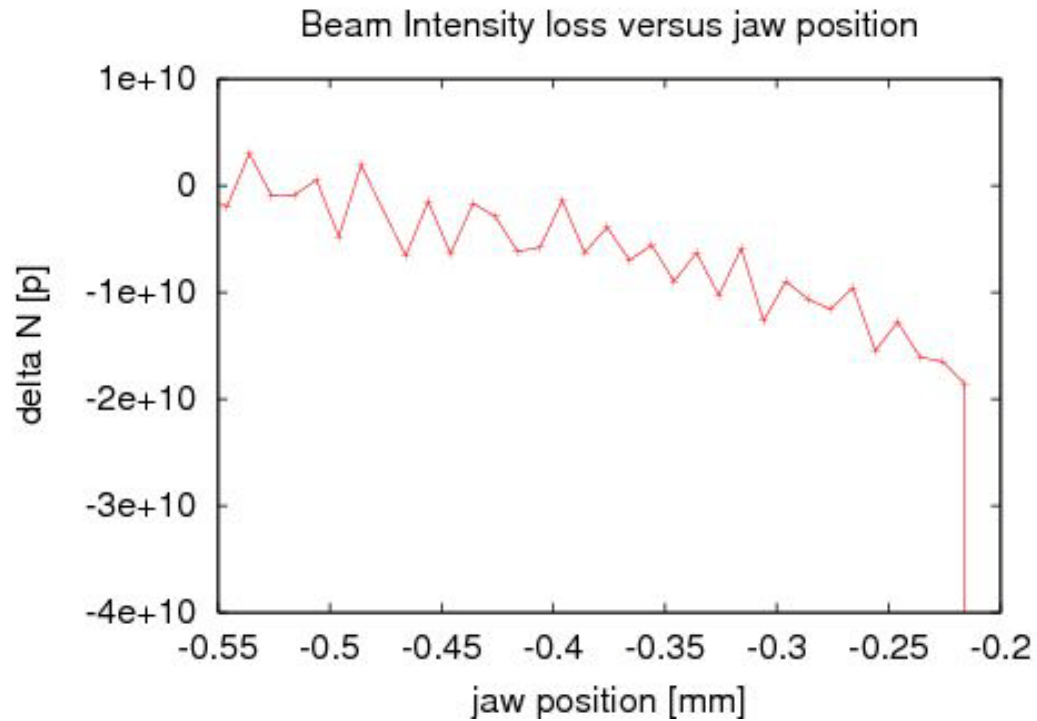
Halo scraping

25.08.2010



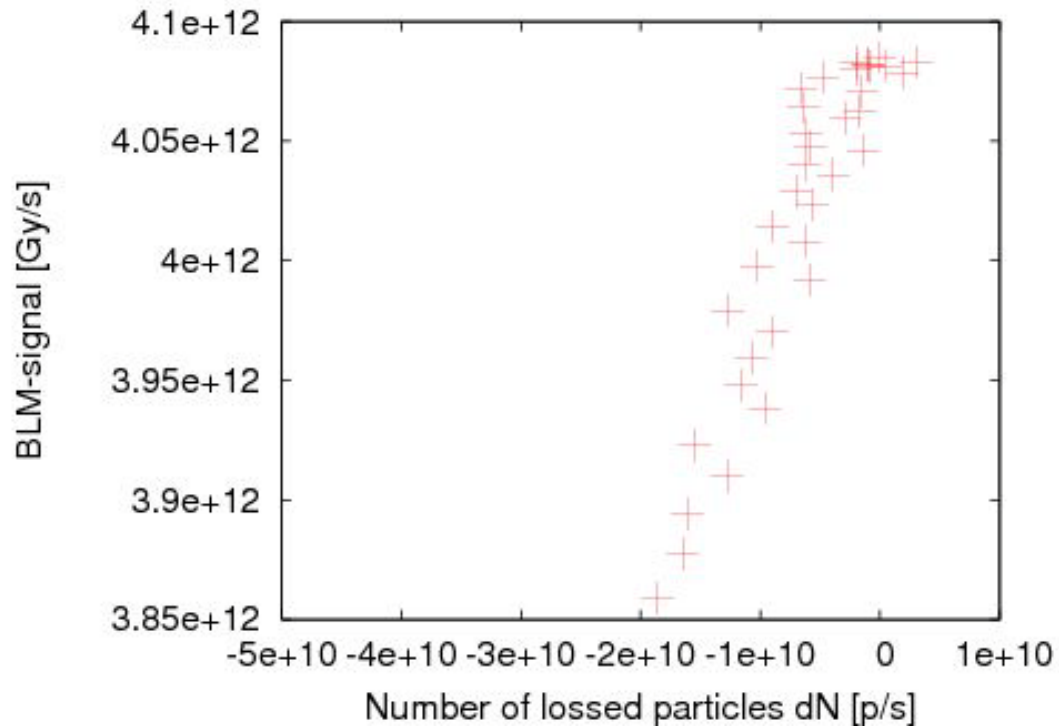
Halo scraping

25.08.2010



Halo scraping

25.08.2010





Halo scraping

27.08.2010



- **TCP.C6R7.B2 (hor)**
- **Centered around the beam**
- **Beam size $\sigma = 0.279$ mm**
- **Beam Intensity: $4.85 \text{ E}+12$ p**
- **Position not stored in the data base**



Halo scraping

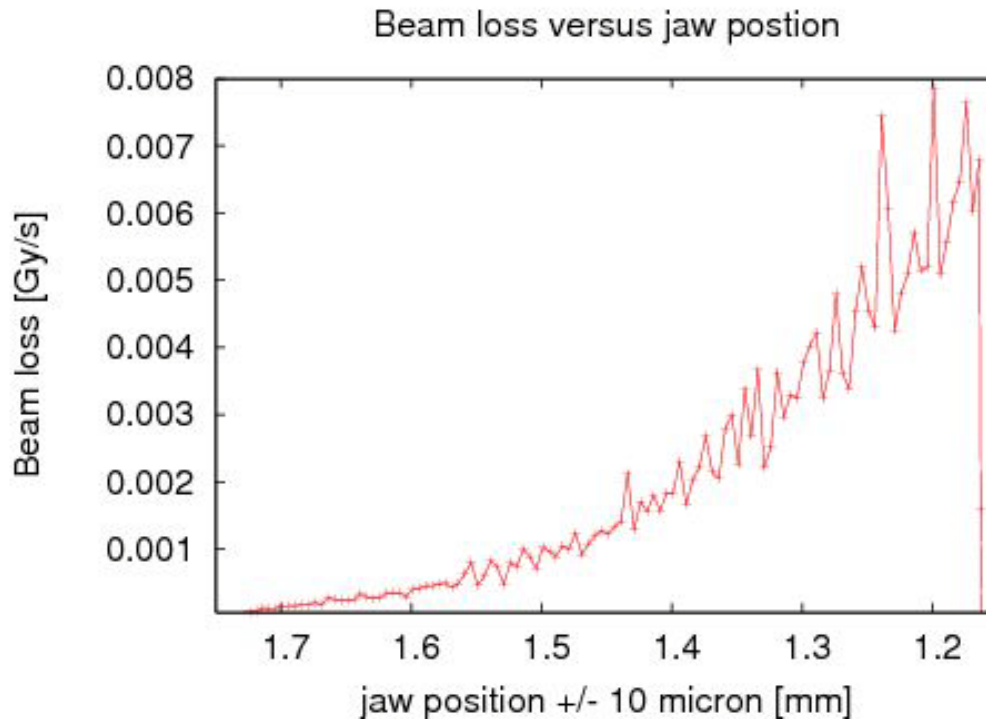
27.08.2010



- **Position found at setup:**
 - Left jaw: 1.779
 - Right jaw: -2.729
- **Centering:**
 - Left jaw: moved by 40 – 50 micron
 - Right jaw: moved by 200 – 250 micron
- **Centered position:**
 - Left jaw: 1.729 ± 10 micron
 - Right jaw – 2.479 ± 50 micron
- Start moving the left jaw with -5 Micron per 4 seconds
- Doing 113 steps before beam was dumped

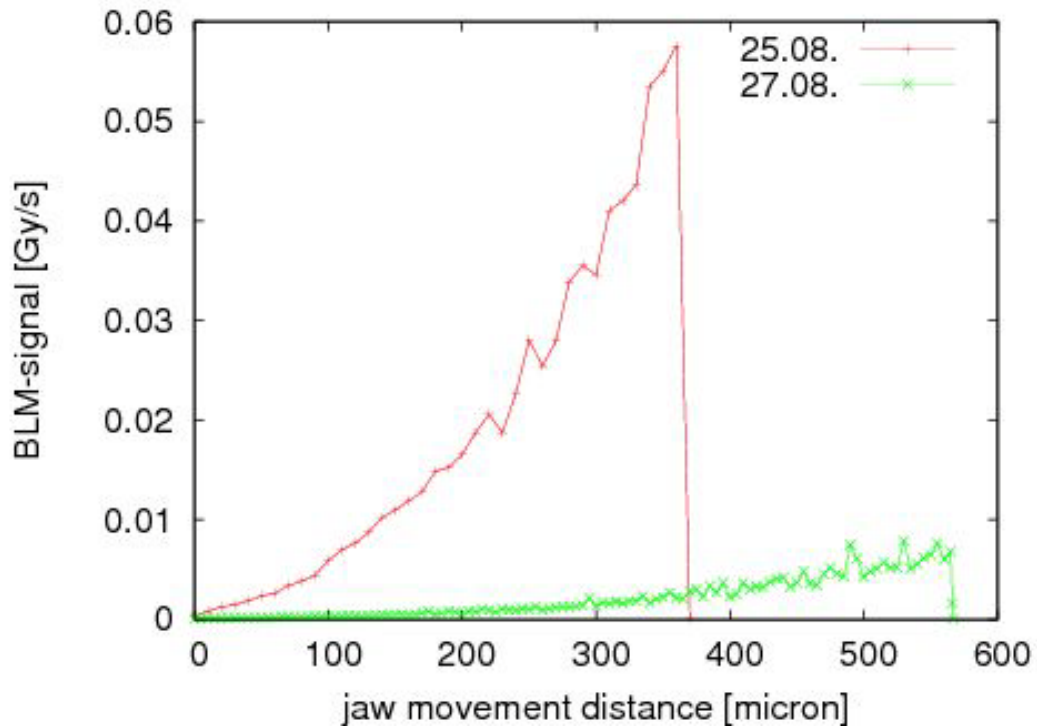
Halo scraping

27.08.2010



Halo scraping

27.08.2010





END

