## ALTRO Mass-Testing



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## Example - Distribution of digital Current



## $9<I<200$

## ALTRO Mass-Testing

## Summary

- As of Yesterday 39000 chips tested
- Yield of directly accepted chips is $82.5 \%$
- Testing of remaining 6000 chips and reverification of rejected chips ( $\sim 7500$ ) will be completed by March 15
- At present, test rate of about 1000 chips a day


## PASA Mass-Testing

## TEST EQUIPMENT




## PASA Mass-Testing



## PASA Mass-Testing

## Summary

- 2500 PASAs (production lot) have been tested
- Yield of accepted chips is 96.4 \%
- 55000 chips to be tested (Lund): 22 March - 30 June
- Test rate: 2 chips / minute $\Rightarrow 1000$ chips / day (8h)


## PASA Mass-Testing

## Faulty chips

- 18 chips with high current (> $2 \times$ nom. Value)
- 4 chips with functional errors in all channels (large dist.)
- 4 chips with all channels main paramters off-limits
- 2 chips with high noise (> 1000 electrons)
- 61 chips with gain off limits ( > 50\% from nom value)

4 Majority of the chips with no response

