

# Beamline upgrades for the Next Run

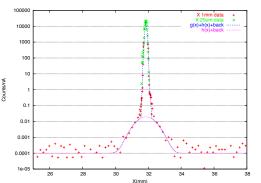
F.-X. Girod

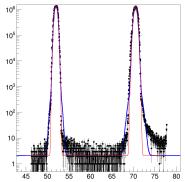
HPS collaboration meeting

Oct. 27th 15

# Understanding the beam tails

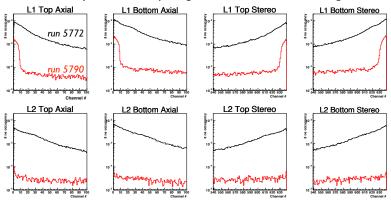
- Using thin and thick harp wires
- Combine data from low and high gain counters
- Fit profile with convolution function





### Beam tails in the SVT

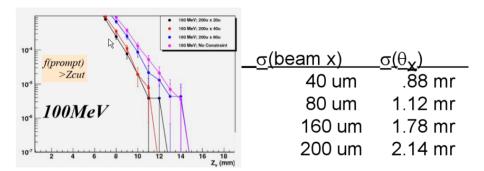
#### Effect is clearly seen in comparing runs with and without target



Cleanup collimator between Harp and "Collimator"

Measure the actual collimator gap and reduce it by 1.2 mm  $\,$ 

## Beam spot size



Are more simulations necessary to decide the beam spot size ?

## Conclusion, other items

- Clean up collimator and smaller gap "collimator"
- Decide the best beam spot size
- Struck scalers readout deadtime?
- Fast Shut Down faster ?

