

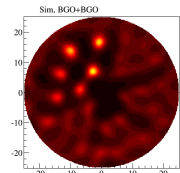
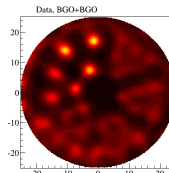
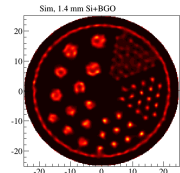
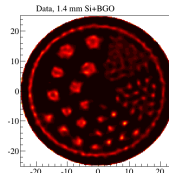
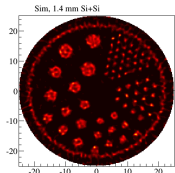
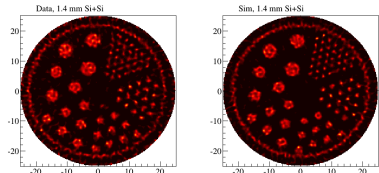
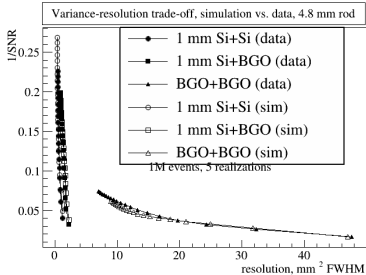
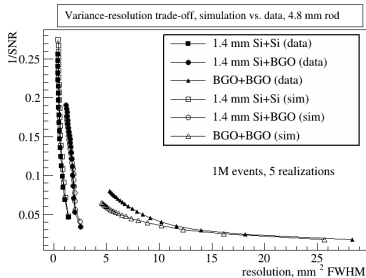
# Trade-off

A. Studen<sup>1</sup>

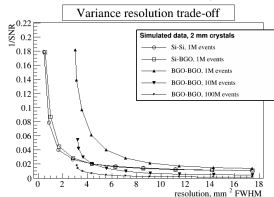
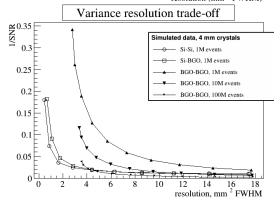
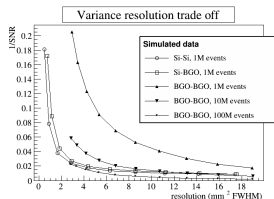
<sup>1</sup>IJS, Ljubljana

February 27, 2014

# Verification of simulation

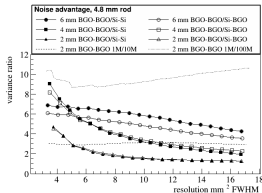
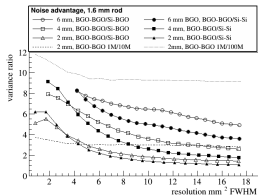


# Comparison through simulation



- 6 mm crystals, no additional PSF broadening
- 4 mm crystals, scaled broadening (2 mm  $\sigma$ )
- 10,000 iterations for BGO-BGO (!)

# Noise advantage



- Ratio of variances as the noise advantage
- Both rod sizes