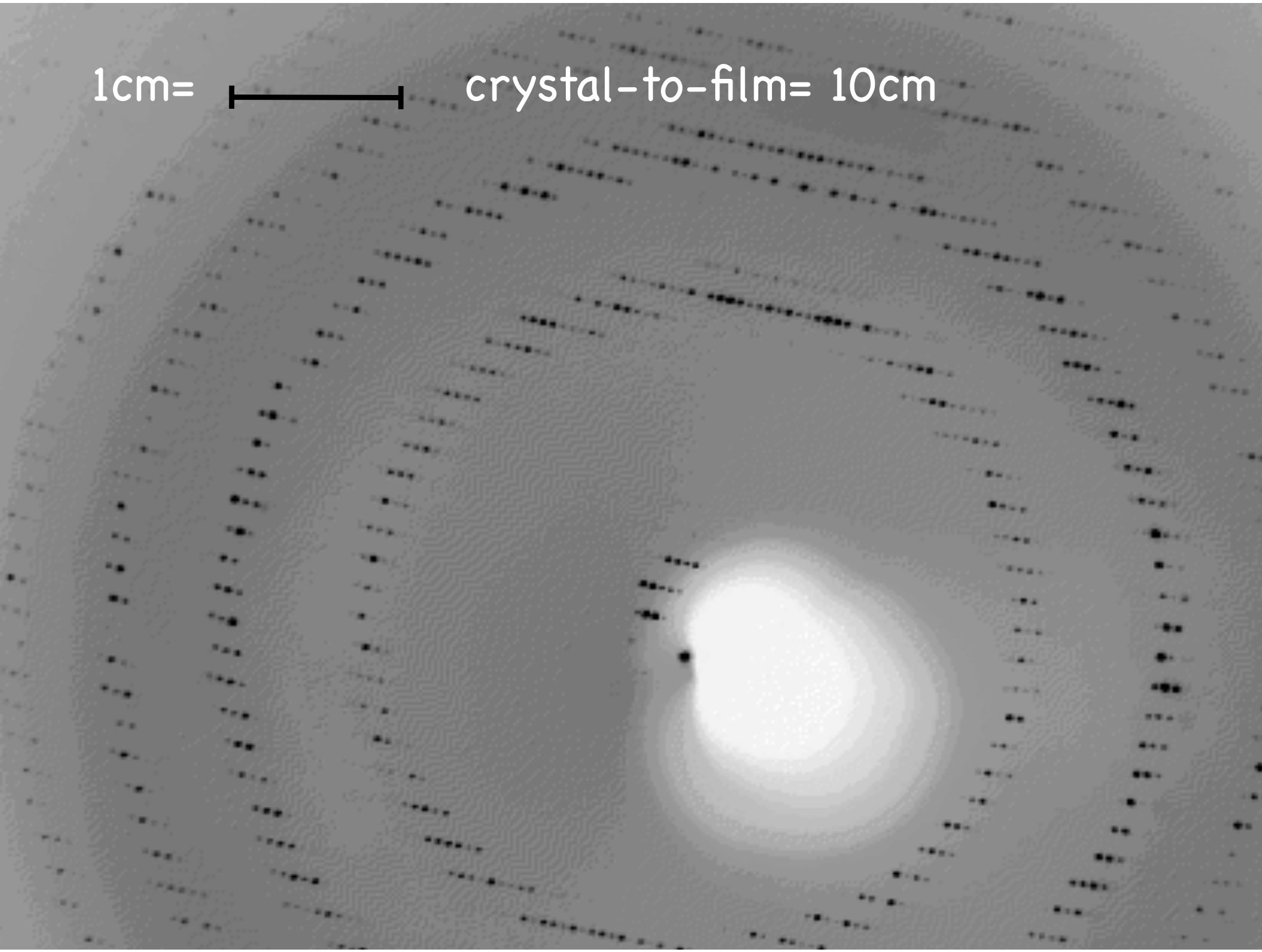
Exercise 3: Determine the unit cell dimensions from the diffraction pattern (due Nov 2)

Draw/write on these pages. Save as PDF. upload to
http://www.bioinfo.rpi.edu/bystrc/courses/bcbp4870/homework.html

- d = spacing between spots in a row, in mm.
- L = Crystal-to-film distance in mm = 100
- Bragg angle $\theta = \tan^{-1}(d/L)/2$
- $|a| = \lambda/(2\sin(\theta))$
- $|a| \approx \lambda L/d$
- Calculate |a|, |b| and γ^*


1cm=
crystal-to-film= 10cm