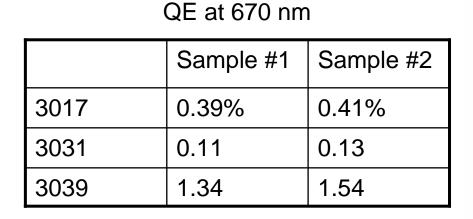
Photocathode R&D

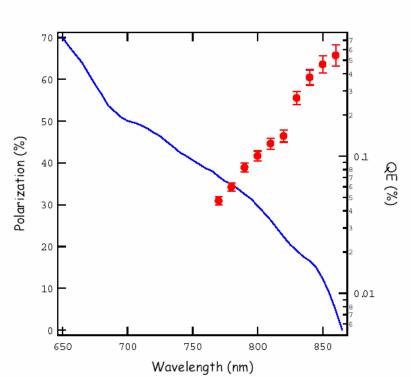
- SVT SBIR Phase I
 - Re-measure second sample
 - X-ray analysis

QE and Polarization



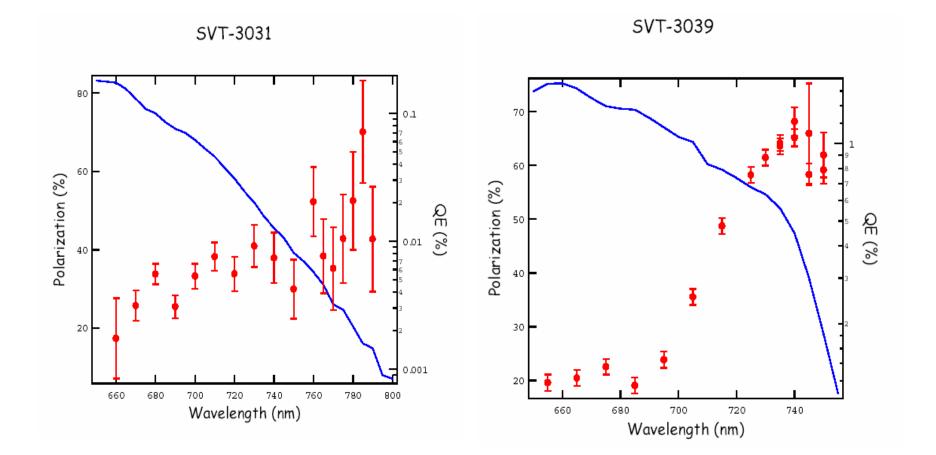
3031 QE is anomalously low.

3039 QE is still $\sim 1/3$ of GaAsP/GaAs.

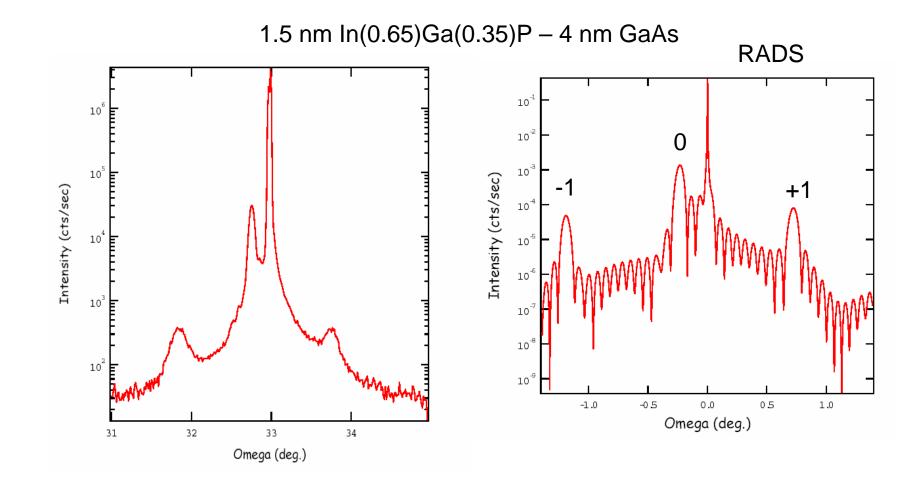


SVT-3017

QE and Polarization

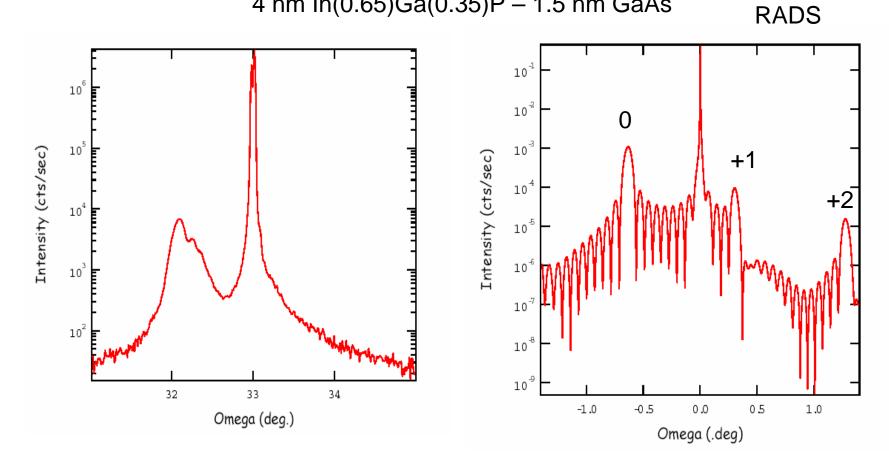


SVT-3017 Xray

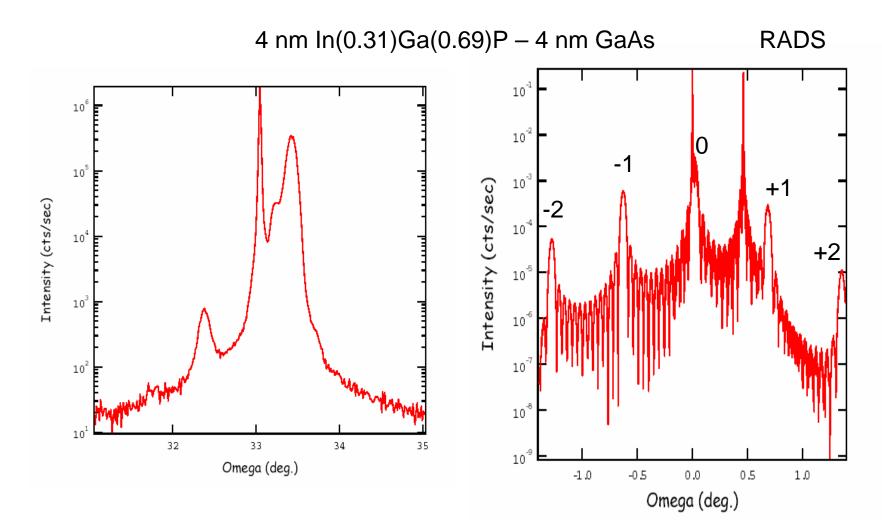


SVT-3031 Xray

4 nm ln(0.65)Ga(0.35)P - 1.5 nm GaAs



SVT-3039



SVT sample summary

- The sample structures are not quite right.
 - SVT-3017 is OK.
 - SVT-3031 does not have SL structure.
 - SVT-3039 has a weak SL structure.
- SVT says the SBIR funds have been exhausted, but since two wafers are not satisfactory, re-growth of 3031 and 3039 will be attempted.