



Photodetector System Status

- Prototype detector showed two main issues. Contamination and Seal failure preventing cooled operations
- Two coatings used: Silicone and Parylene
- Both protect surface
 - Small numbers of parts exposed to scintillator
 - No adverse reaction in either case
 - Unsealed units become erratic after weeks of exposure
 - Returned to operation after turning off cooling ~day
 - Both have worked in unsealed modules for 50-200 days
 - Parylene units have been working on detector for 7 months
 - Cooled operation has shown items to read out for months. If parts read erratically their operation has been restored after warming