

- BGO Crystal-Assembly vibration test this week (on acceptance-test level, no qualification)
- EQMs will be delivered to MSFC in December
- Delivery of PSB expected by December 2004
- Delivery of all flight units expected by April 2005
- Low-energy response will not reach goal of 5 keV
 - Crismatec determined that a 0.7 mm silicone pad was required in the Nal detector entrance window
 - λ Total transmission is ~6% at 8 keV; 25% at 10 keV
 - **λ** Meets Level II requirement for measurements at 10 keV
 - Misses Level III requirement for effective area at 14 keV (76 cm² versus 100 cm²)



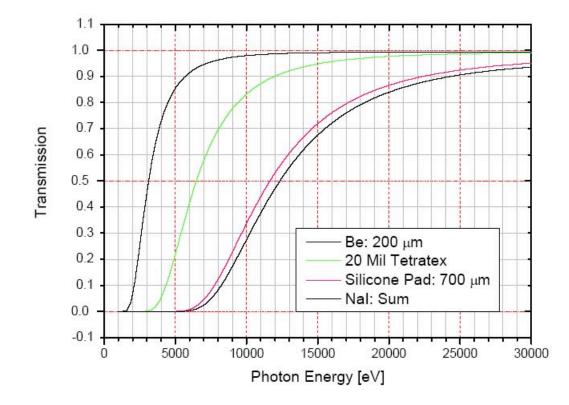


Fig. 4: X-ray transmission of all individual layers of the NaI detector entrance window and of the sum of all components.



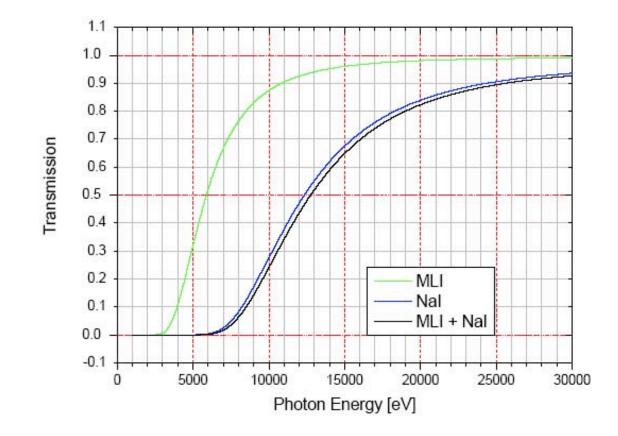


Fig. 5: X-ray transmission of MLI and NaI detector (individual and as sum).



- Minor changes to design recently to reduce noise and improve clock pulse edges
- Both engineering units upgraded
- Flight DPU delivery November 2004



- Crash problem solved two causes (operating system bug and clock pulse shape)
- Build 1 delivered meets 40-50% of requirements for flight
- Verification testing 60% complete
- Delivery to SwRI October 26
- Main issue is meeting all requirements in Build 2, due by April 2005 to meet PER in June. Some level III requirements are expected to be deferred:
 - λ Burst alert temporal history
 - **λ** TTE detector selection
 - λ AGC