

TMS Detector Prototyping Update

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1. Fresh scintillator, fiber, and SiPMs delivered to Argonne in July/August.
2. Mechanical quad-counter prototype gluing begins this week with scrap 1.5m T2K scintillator
3. Decent quad-counter design exists, but 48-counter outer box design in its infancy (and they have to fit together)



TMS Detector Parts Update

Scintillator review:

1. 36 new strips, 40mm x 10mm x 3m, with Mu2e-like ~2x4mm hole in middle (~\$5K mostly setup)
2. 103 Minos strips, 41mm x 10mm x 4m, with 1.2mm grooves.
3. 58 T2K strips, 40mm x 10mm x 1.5m, with 2008 attempt at hole
4. **We want TMS strips 35.4mm x 10mm x 3m. New size die for extrusions ~\$29K in setup costs. Going with 40mm wide prototypes for now to minimize setup charge.**

Fiber review:

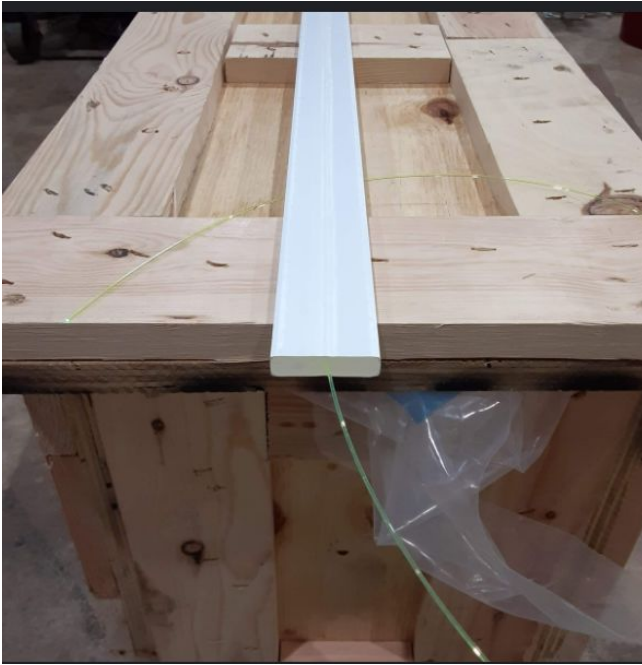
1. 255m of 1.4mm diameter Kuraray WLS fiber: Y-11(175) multi-clad (K27 dopant) (~\$3K min order)
2. 5m of scrap 1.2mm Kuraray fiber from 1999

SiPM review:

1. 12 Hamamatsu S14160-3015PS MPPCs delivered to ANL, 8 at ANL, 4 at Tufts (~\$500)



Scintillator



Fiber

