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| TITLE: WRAP THE SCINTILLATOR WITH MYLAR AND COVER WRAP | DATE: 09/26/2013 |
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| BY: WILLIAM CRAHEN | APP: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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**PREPERATION**

**Safety Equipment Required:**

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**Work Area Requirements:**

**The work area should be well ventilated with good lighting. There should be no adjacent activities that generate particles/dust or aerosol contaminants.**

**# of Technicians Required:**

**1**

**Material Required:**

Scissors

3M super 33+ electrical tape, ¾” wide

Guillotine paper cutter (New or recently sharpened) note: use this cutter for cutting Mylar and Tedlar only.

3/4” wide 3M 810 Scotch MAGIC tape

48 Gauge (12 micron/.00048” thick) aluminized Mylar

Ethanol or Isopropyl

Lint Free wipes

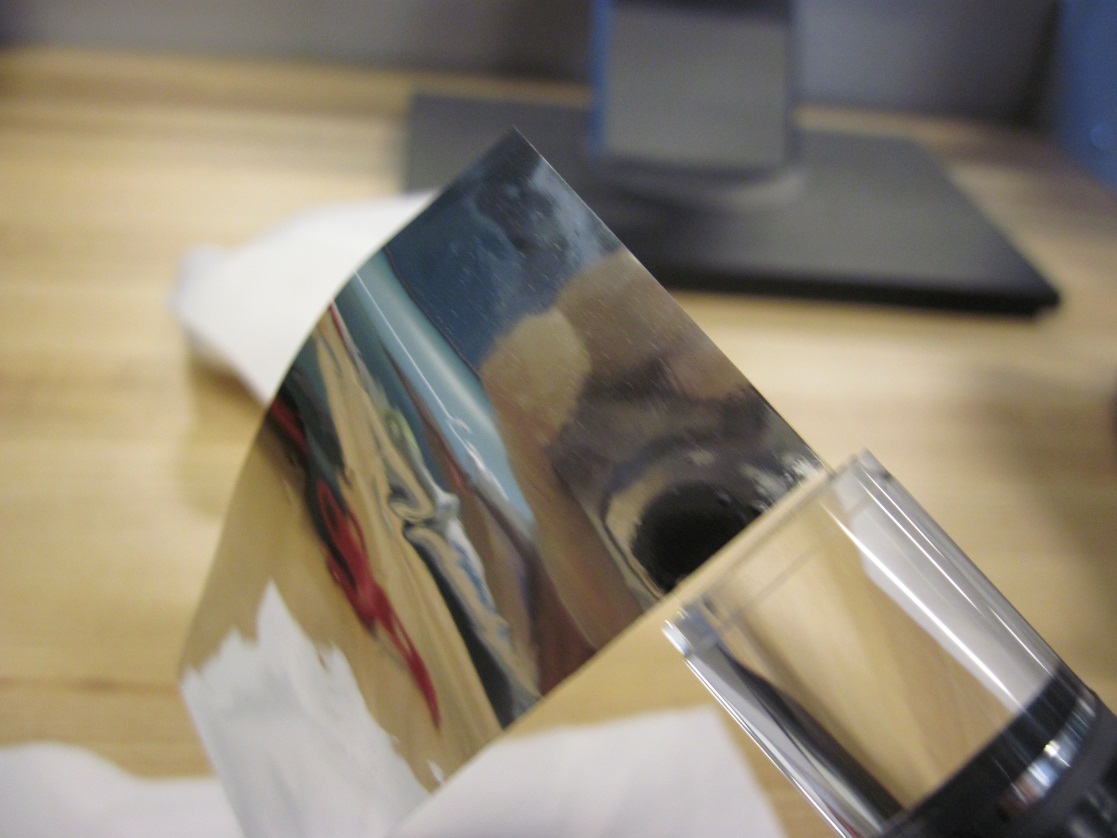
Scales

**Note: Either Latex or Nitrile gloves can be used for this procedure.**

**Safety glasses with side shields are required when working with Alcohol**

**Procedure**

1. Clean the light guide end and scintillator with Alcohol and a lint free wipe. Allow to dry.
2. Use the Guillotine cutter to make a Mylar rectangle that is 1.57” (4cm) by approx. 4” long. Wrap the scintillator end as shown and secure with Scotch tape:





3. Measure the width shown below and cut a piece of Mylar as shown in the lower photo:



1/2”

Slits

‘W’

11”

**W**

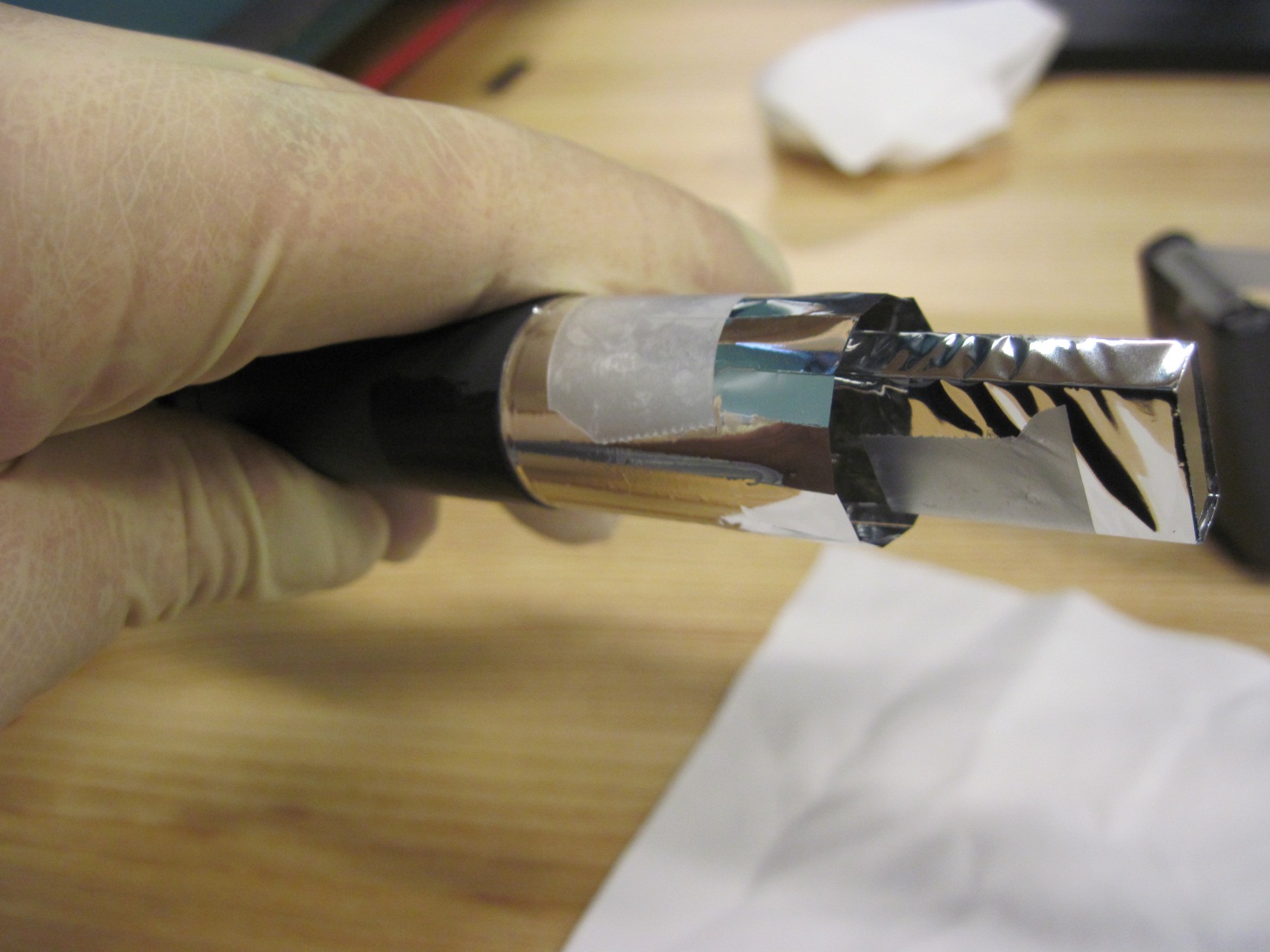
5.5”

1. Wrap as shown in the following photos:





1. Secure with scotch tape. The wider section of the mylar with the slits extends beyond the light guide edge. Cut two pieces of electrical tape ~1” long. Stretch each of the electrical tape pieces as shown in the lower photo, forcing the Mylar “fingers” down:





1. Cover the end of the scintillator with a piece of Mylar and secure with scotch tape:





1. Over wrap the Mylar with electrical tape. Use only two layers, and take care not to have clumpy built up areas on the scintillator (the added thickness could inhibit performance);

