In order to meet high performance requirements, in particular reliable light yield and high uniformity of response, several new technologies have been developed:

- dedicated chemical (DMA) treatment of tile edges
- light reflection efficiency > 90%
- production rate: up to 700 tiles/day

Tile-to-tile spread: r.m.s. < 2.5%

The stack is assembled from alternating Sc tiles and lead plates, interspaced with the TYVEK paper. Plastic covers protect monitoring and r/o sides of the module.

The light loss, other than due to fiber attenuation length, is < 4%.

Fiber bending down to a loop radii of 1 cm with the "dry air heating" technique.