

Crystal production and test for the ECL FWD upgrade

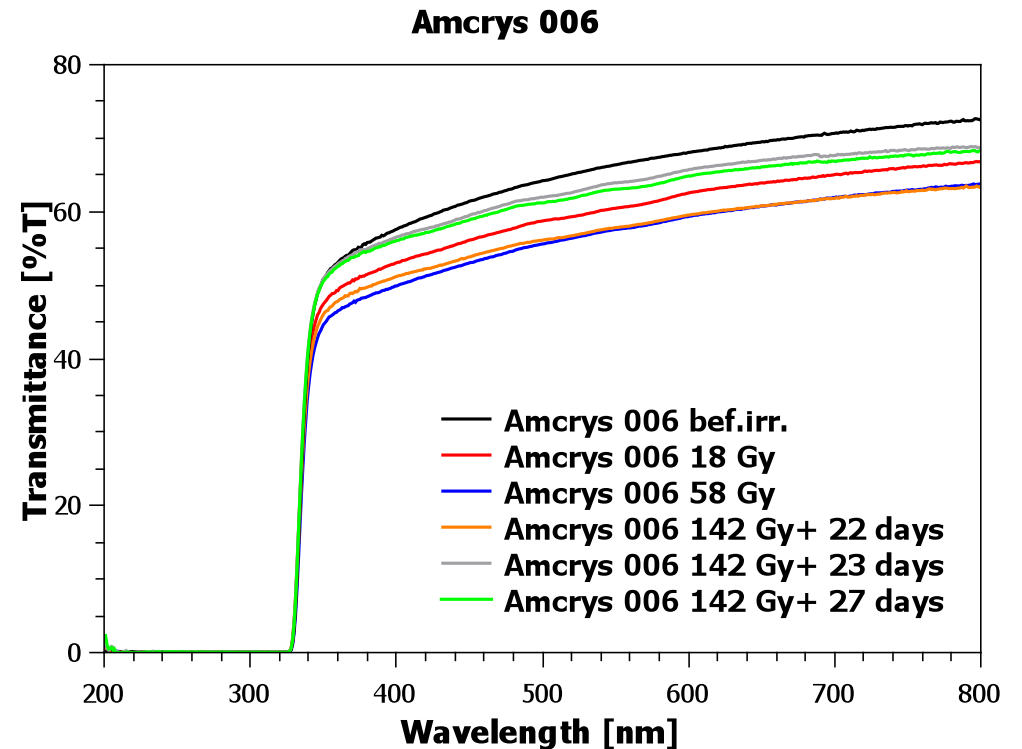
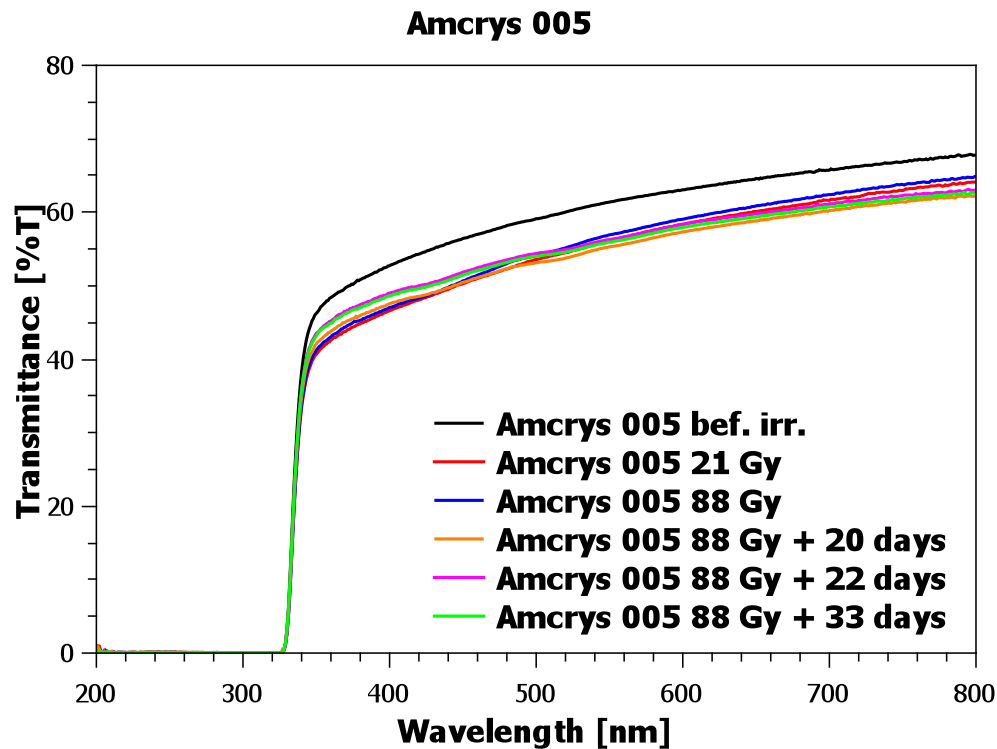
(misure sui cristalli fatte a ENEA Casaccia e già presentate da
Stefania e da Salvatore)

ECL Italia

LNF October 14th 2014

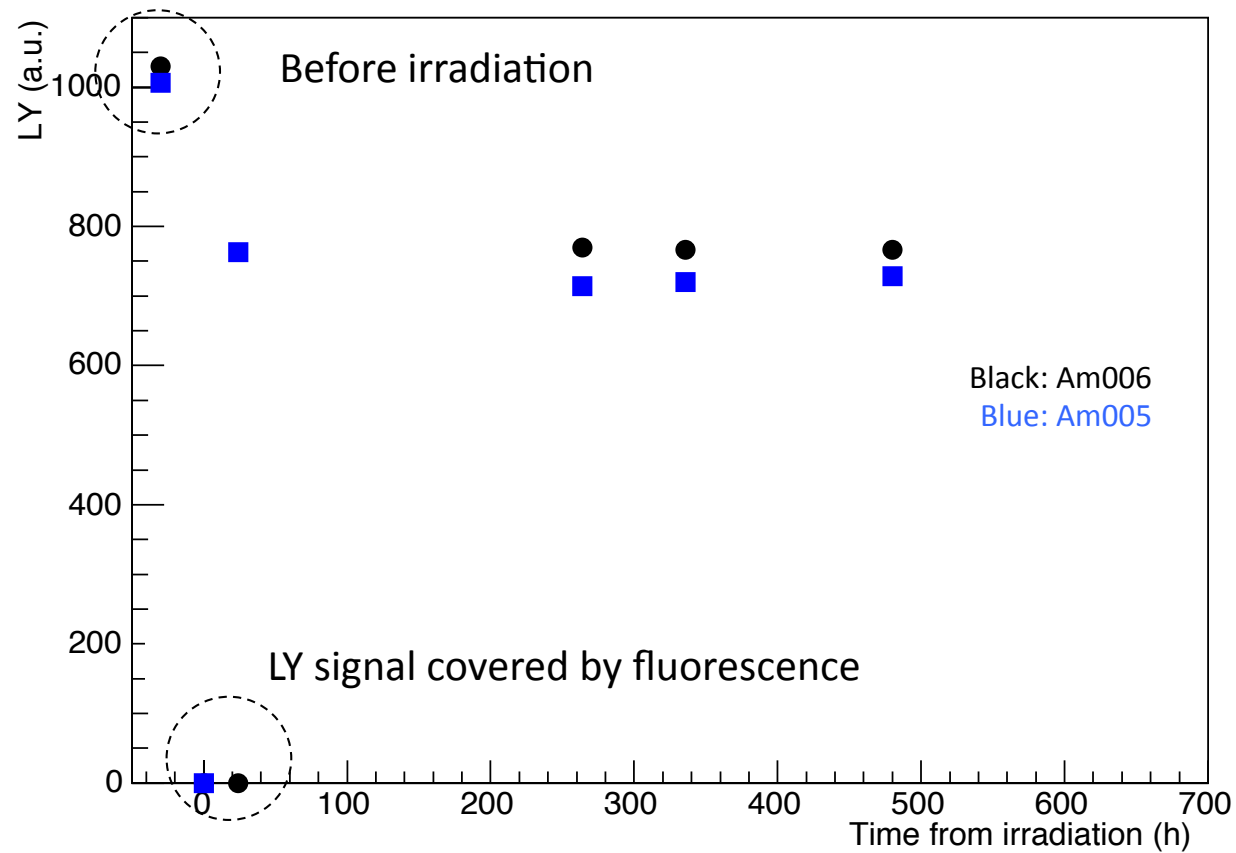
AMCRYS crystals

- 16 crystals for the beam test already tested and used for R&D on APD's

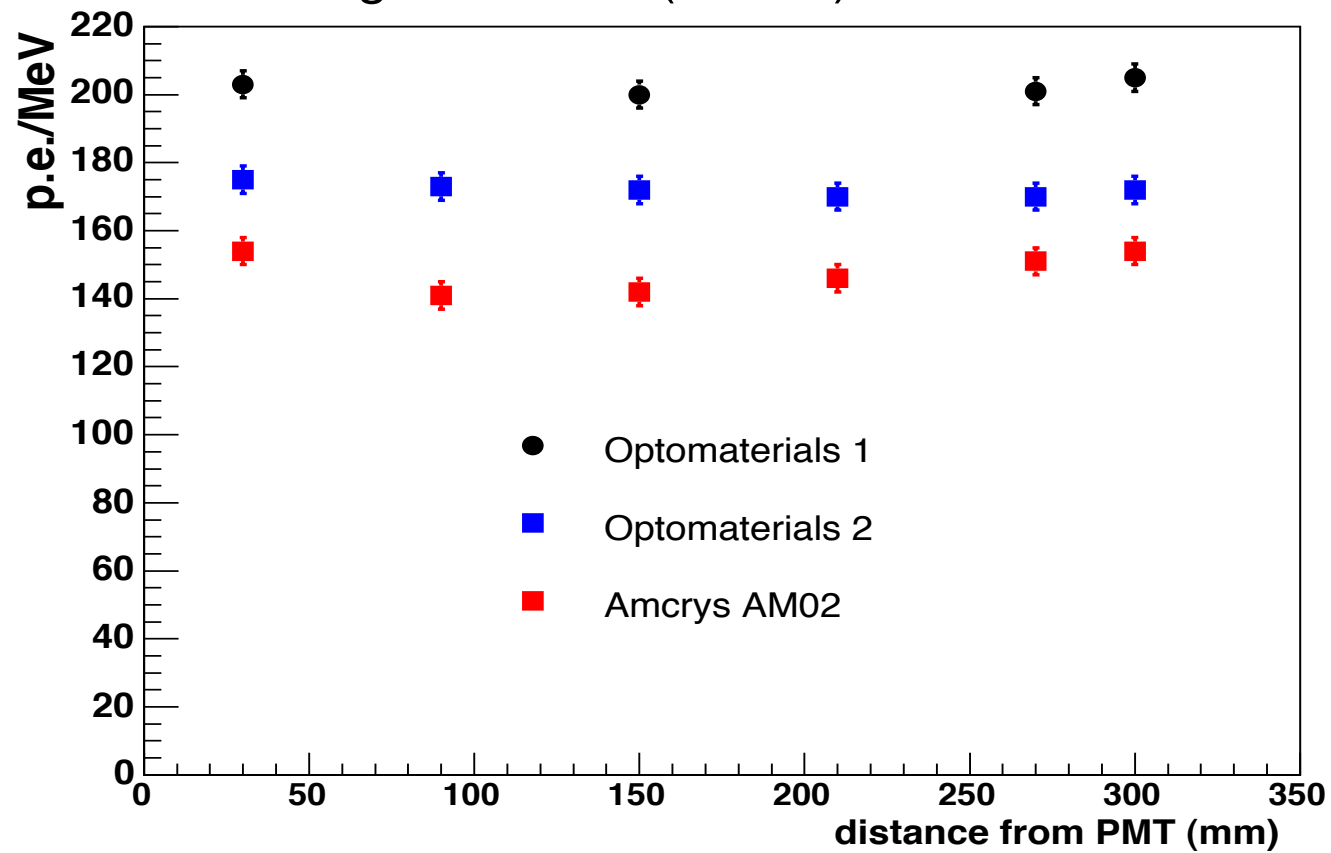


AMCRYS crystals

CsI longitudinal LY (137Cs)

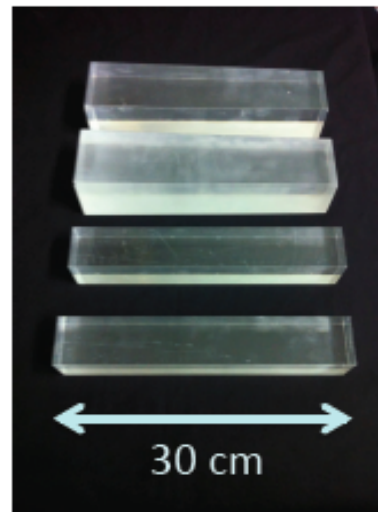


AMCRYS vs Optomaterials



Quality comparison

Crystal transmittance...
to the naked eye

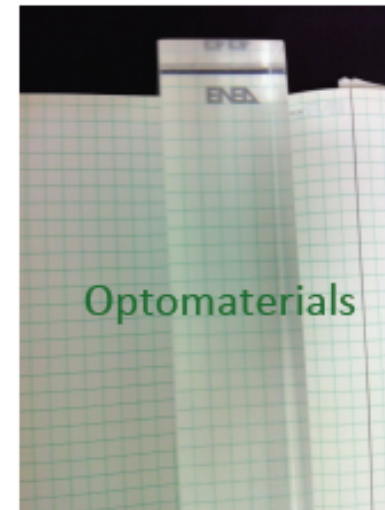
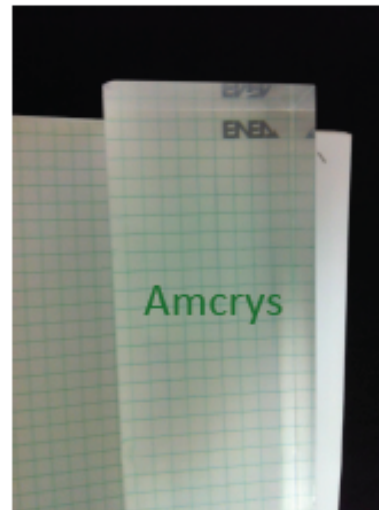
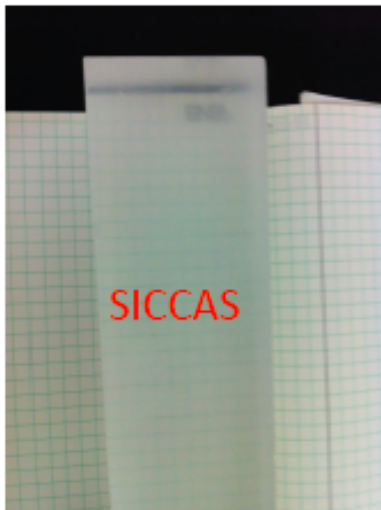


Amcrys

SICCAS

Optomaterials #1

Optomaterials #2



Procurement for 2014-2015

- 54 Keuro in totale per acquisto cristalli disponibili da subito
- 42 keuro 6 cristalli Otpomaterials (richiesta offerta già partita)
- + 3 cristalli SICCAS o AMCRYS

Poiché tutti i cristalli della matrice sono AMCRYS e poiché SICCAS sostiene di avere fatto molto R&D su Csl puro per mutoe → proporrei 3 cristalli SICCAS.