

(Additional) gamma and proton irradiations of CHESS-2 chips

Herve Grabas

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Opportunities

Colleagues at UNM (Sally Seidel and Martin Hoeferkamp) have on-going irradiations this month:

- 800 MeV protons at Los Alamos (~Nov 18th)
- Gammas at Sandia (~Nov 10th)

We took these opportunities to send the sensors for the irradiations.

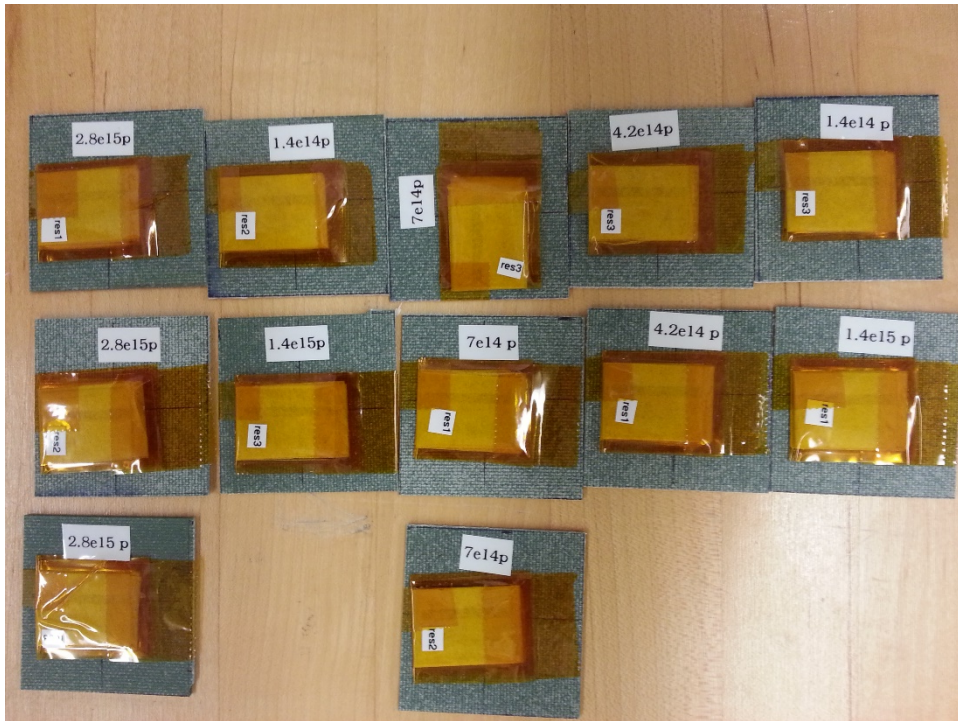
For protons, targeting ~Ljubljana neutron fluences in the targeted region.

Gamma doses	1 Mrad	5 Mrad	10 Mrad	20 Mrad	60 Mrad	Proton fluences	1.4E+14	4.2E+14	7.0E+14	1.4E+15	2.8E+15
chips	4 chips/pack; 1 pack/dose					[p/cm²]					
						boards with	1+2	1+2	1+2	1+2	1+2
						chips/resistivities	3+4	3+4	3+4	3+4	3+4
									2+3		2+3

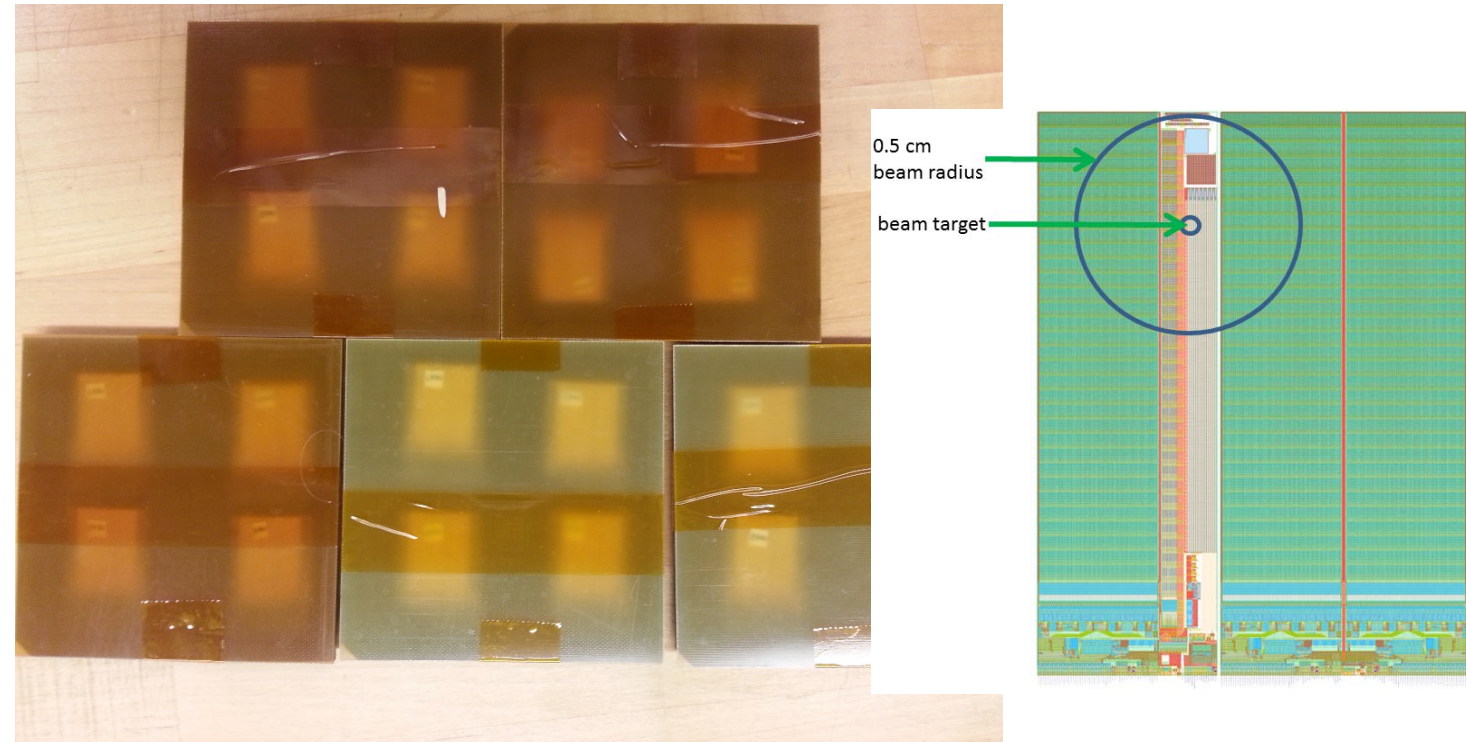
Packaging

All the chips have been wrapped in cleanroom tissues, with kapton tape on top.

For protons, targeting the same location as what Todd envisioned for CERN-PS run.



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Gamma and protons for CHESS-2