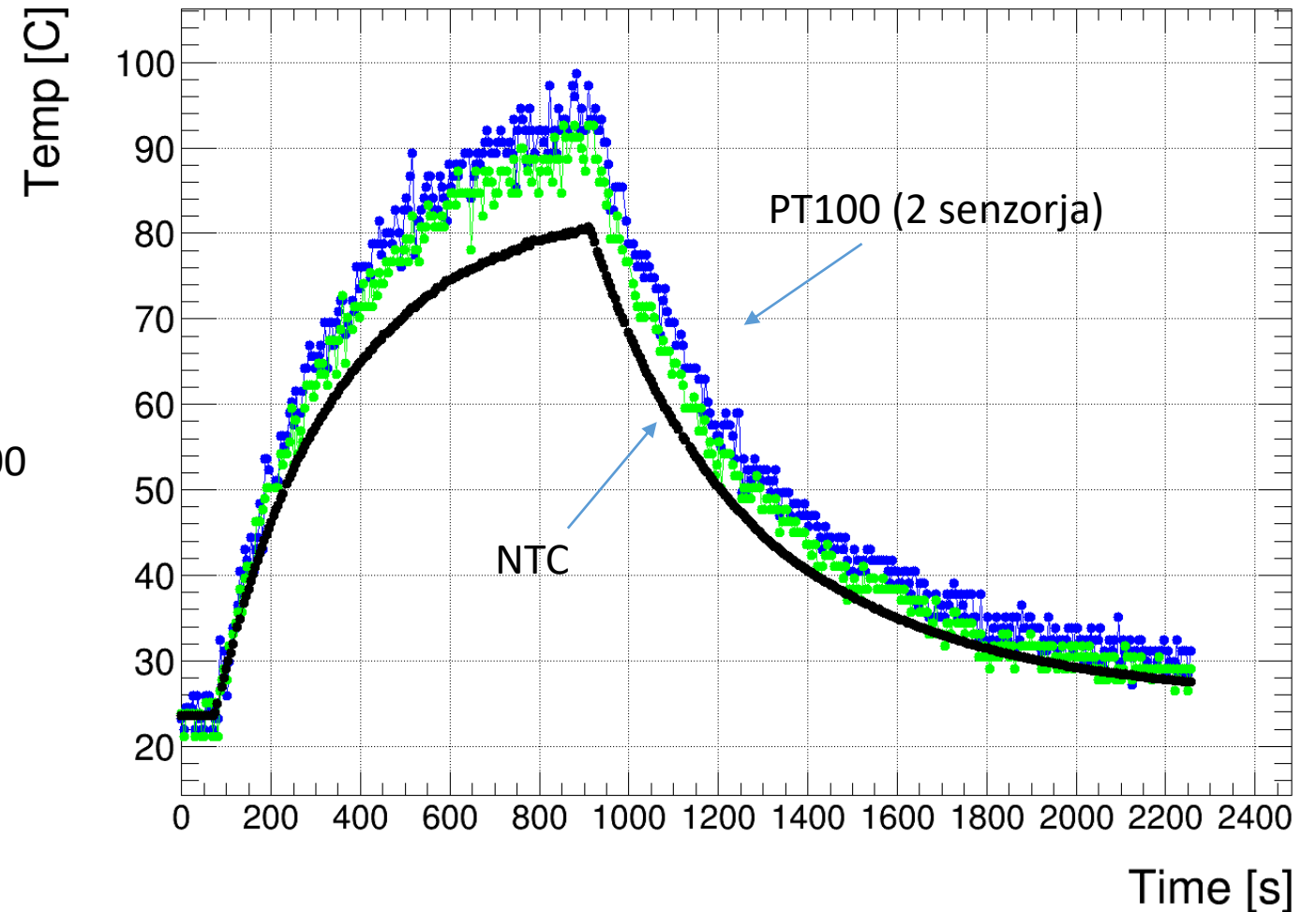
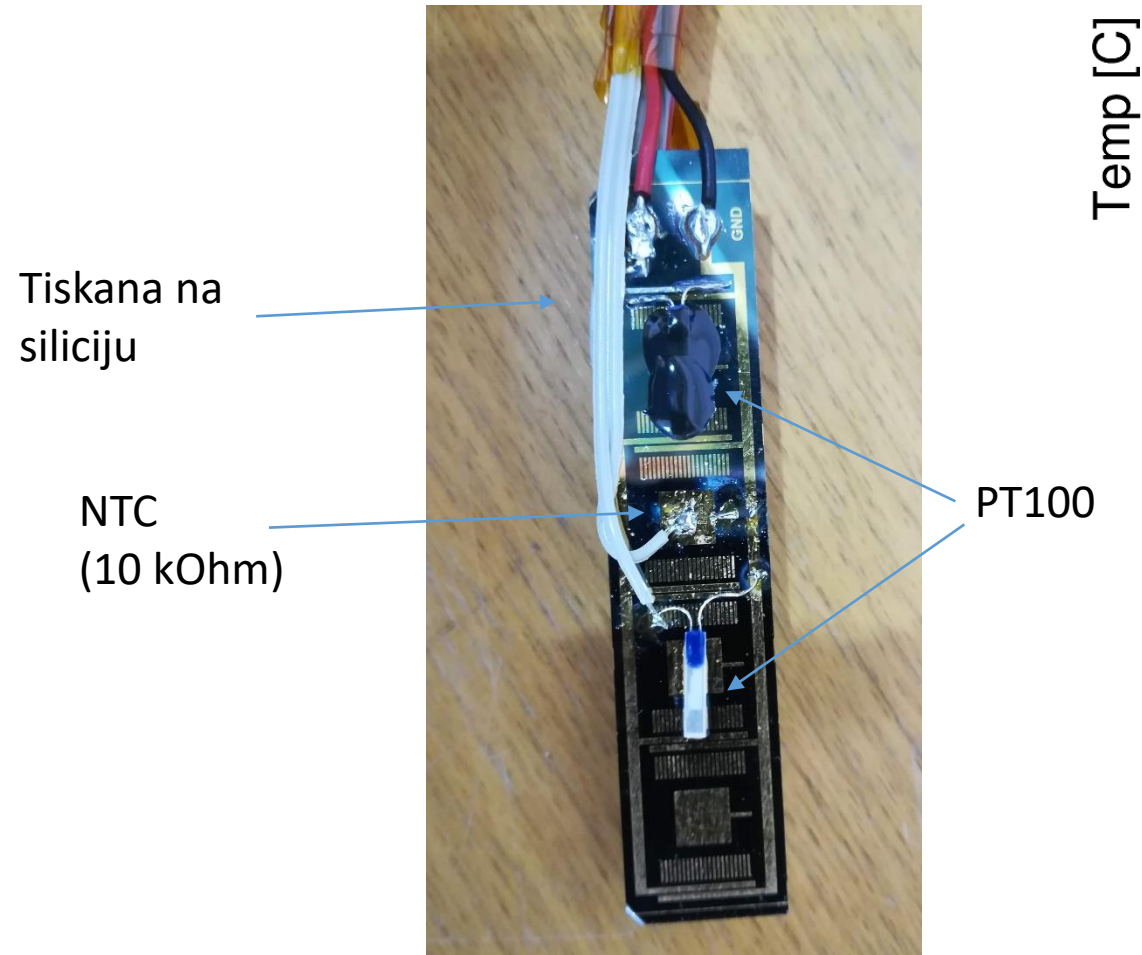
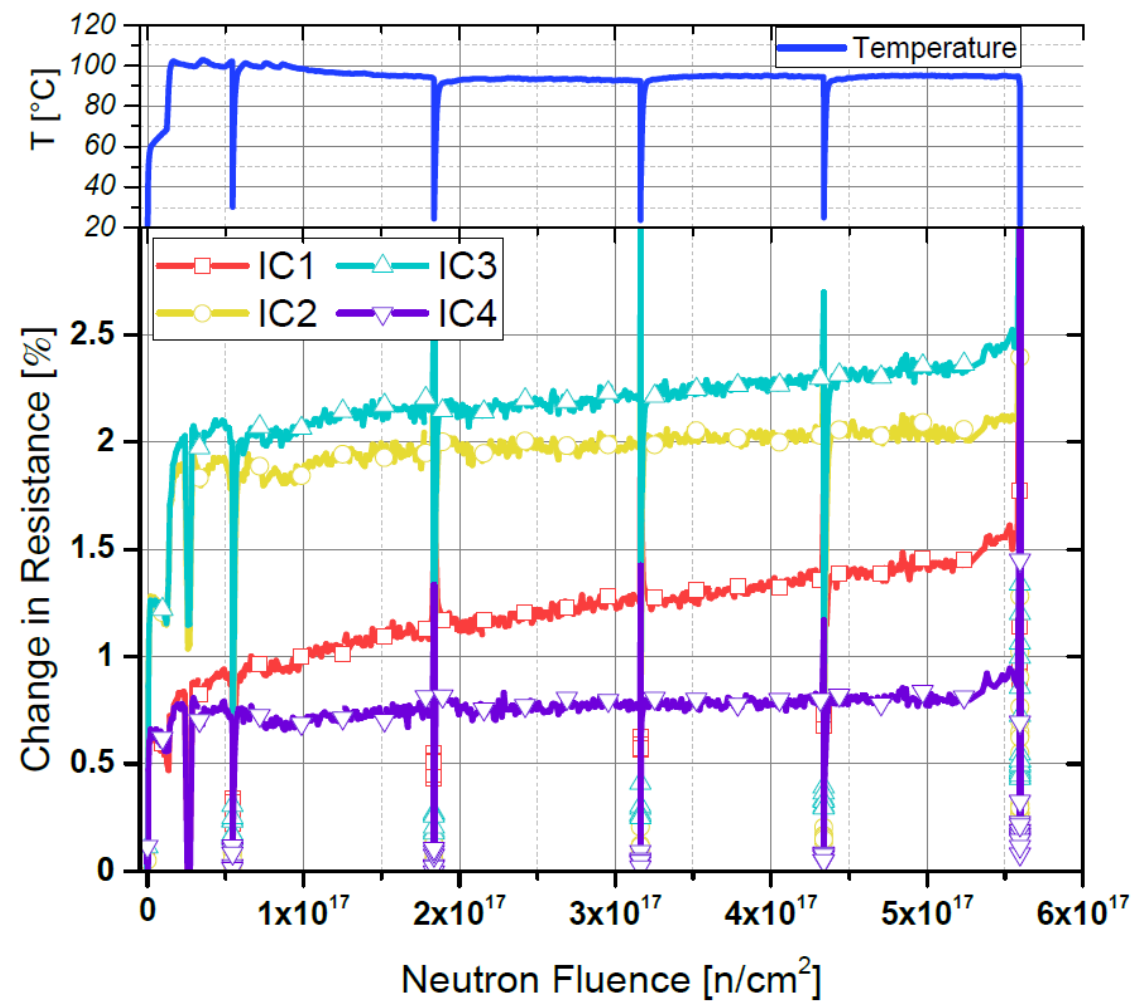


Meritve temperature med obsevanjem v CK

- temp senzori v stiku s silicijem (~ 300 μm debel) v plastičnem tulcu
- merjeno z radfet readerjem – meri napetost ob znanem tokovnem pulzu, največji tok 1 mA, ni zelo natančno za PT100 ker so napetosti nizke (ADC obseg nekaj 10 V)

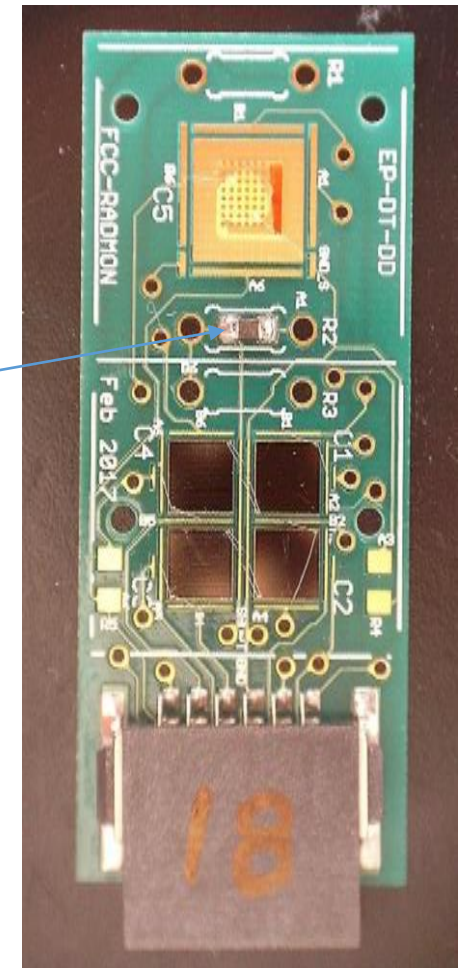


Naše meritve podobne kot meritve G. Gorine



Georgi Gorine, PhD, CERN-THESIS-2020-040

NTC



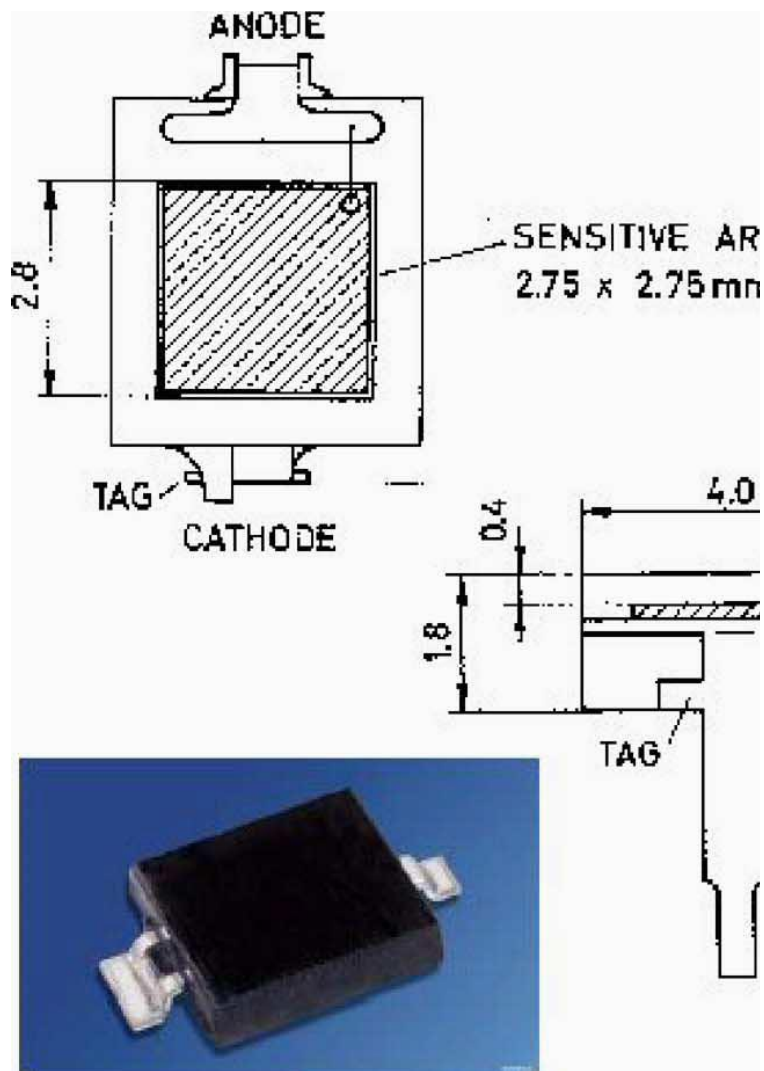
Meritve flunec z BPW34 diodami.

Meritev: napetost pri 1 mA toku.

- diode so poceni in jih je lahko dobiti
- Meritev je zelo enostavna in hitra (s Keithley 237, s probami se dotakneš kontaktov, ne rabiš niti mikroskopa)

BPW34														
	F19		TI		CK		NTI		F4		TANG			
V at 1 mA	2.39	2.38	2.88	2.42	2.49	2.46	2.65	2.63	2.26	2.22	2.92	3.1	3.09	3.01
Avg	2.39		2.65		2.475		2.64		2.24		3.03			
Relative to F19 BPW	1.00		1.11		1.04		1.11		0.94		1.27			
BPW konst (V/cm ⁻²)	1.05E+13		1.09E+13		1.05E+13		1.02E+13		1.07E+13		9.35E+12			
Pad Diodes														
Flux	1.60E+12		3.81E+12		6.74E+12		3.54E+12		1.50E+12		4.83E+11			
Relative to F19 pad	1.00		1.19		1.05		1.11		0.94		1.21			

Izmerjeno samo z BPW34, ker nismo obsevali pad diod v teh kanalih (ker nimamo zadosti diod)



BPW calib **1.05E+13 1.09E+13 1.05E+13 1.02E+13 1.07E+13**
9.35E+12

