

Misure sensori CMS

riunione pixel R&D 11 set 2015

Sensori mandati a Lubiana (neutroni)



Fluence 5e15 neq/cm²

FBK-W33-PD4

FBK-W33-PDp4

FBK-W33-MOON-TOP

FBK-W33-P200_1
(no paper envelop)

Fluence 1e16 neq/cm²

FBK-W33-PD5

FBK-W33-PDp5

FBK-W33-MOON-BOT

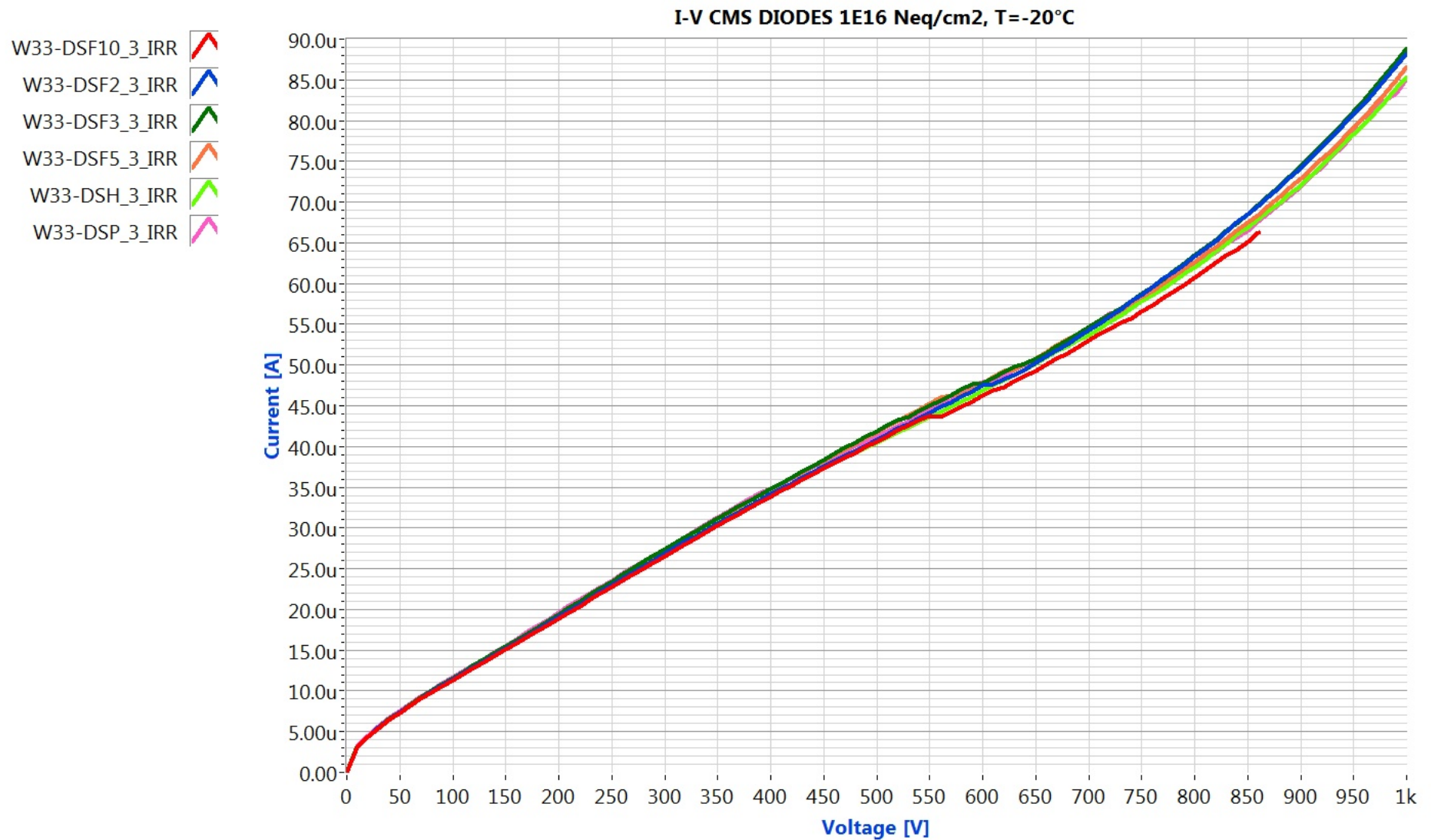
FBK-W33-P34C
(no paper envelop)

Wafer 33, 100μm, diced

CMS Diodes 5x5mm²

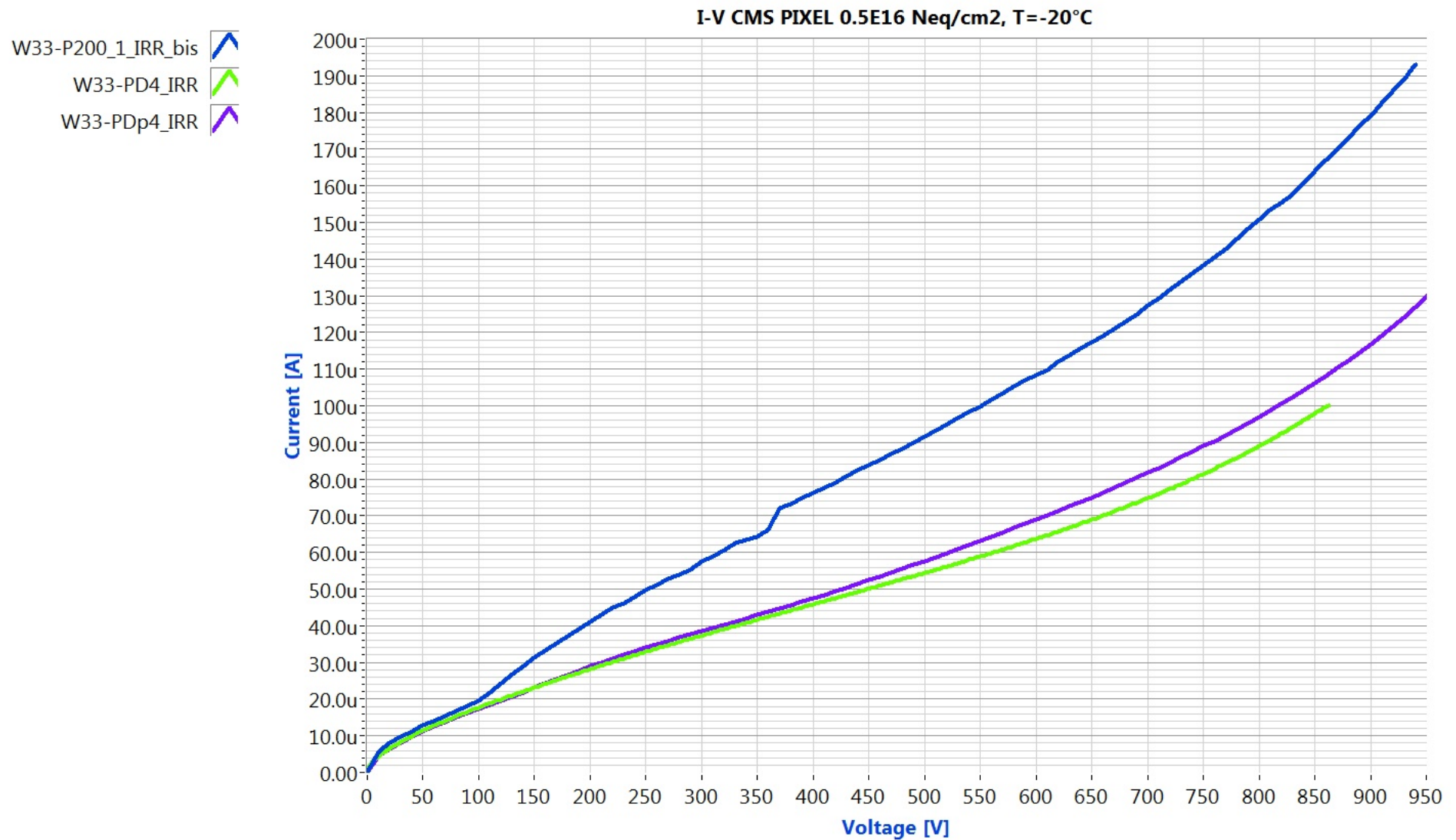
No annealing

No current saturation



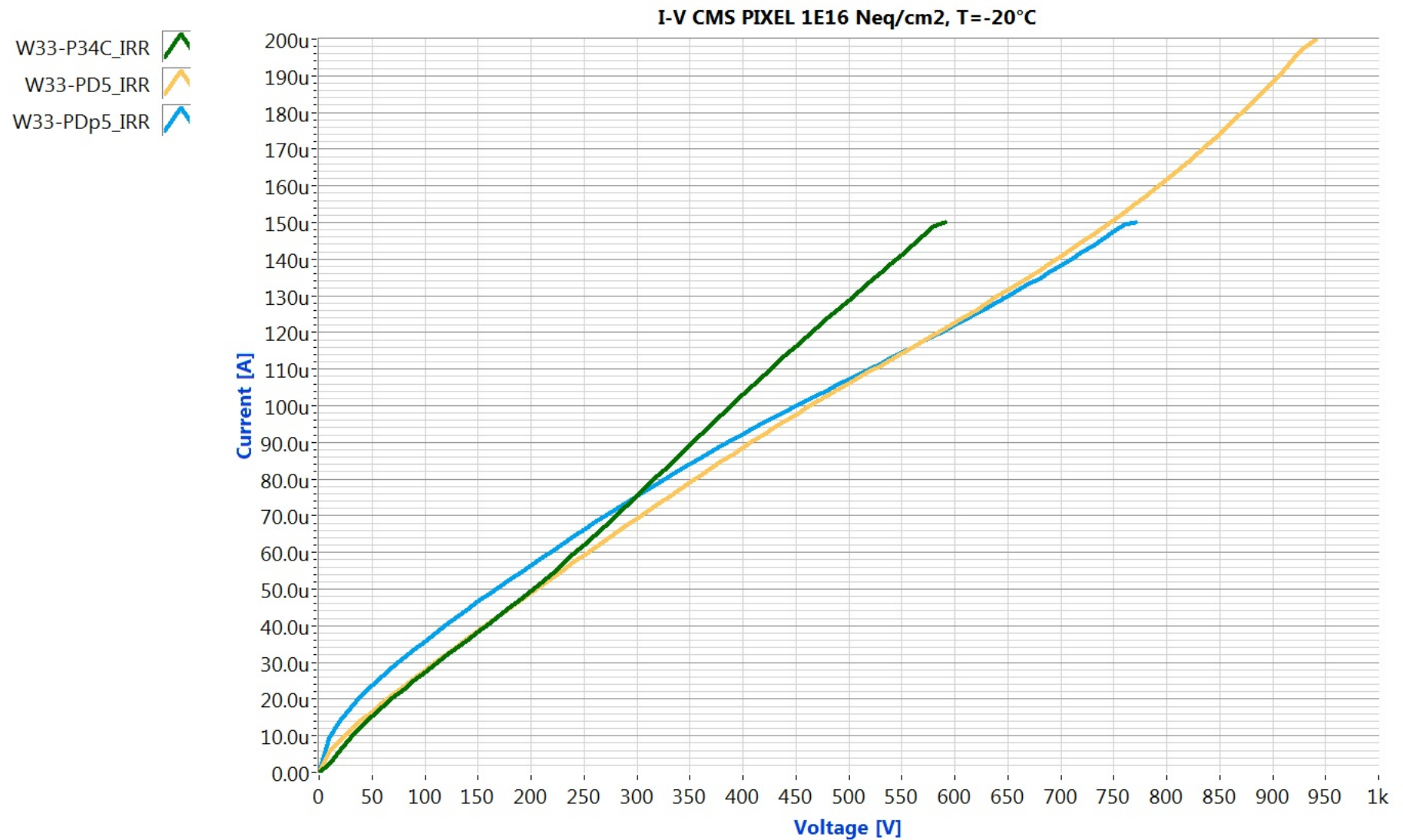
CMS Pixel

No annealing



CMS Pixel

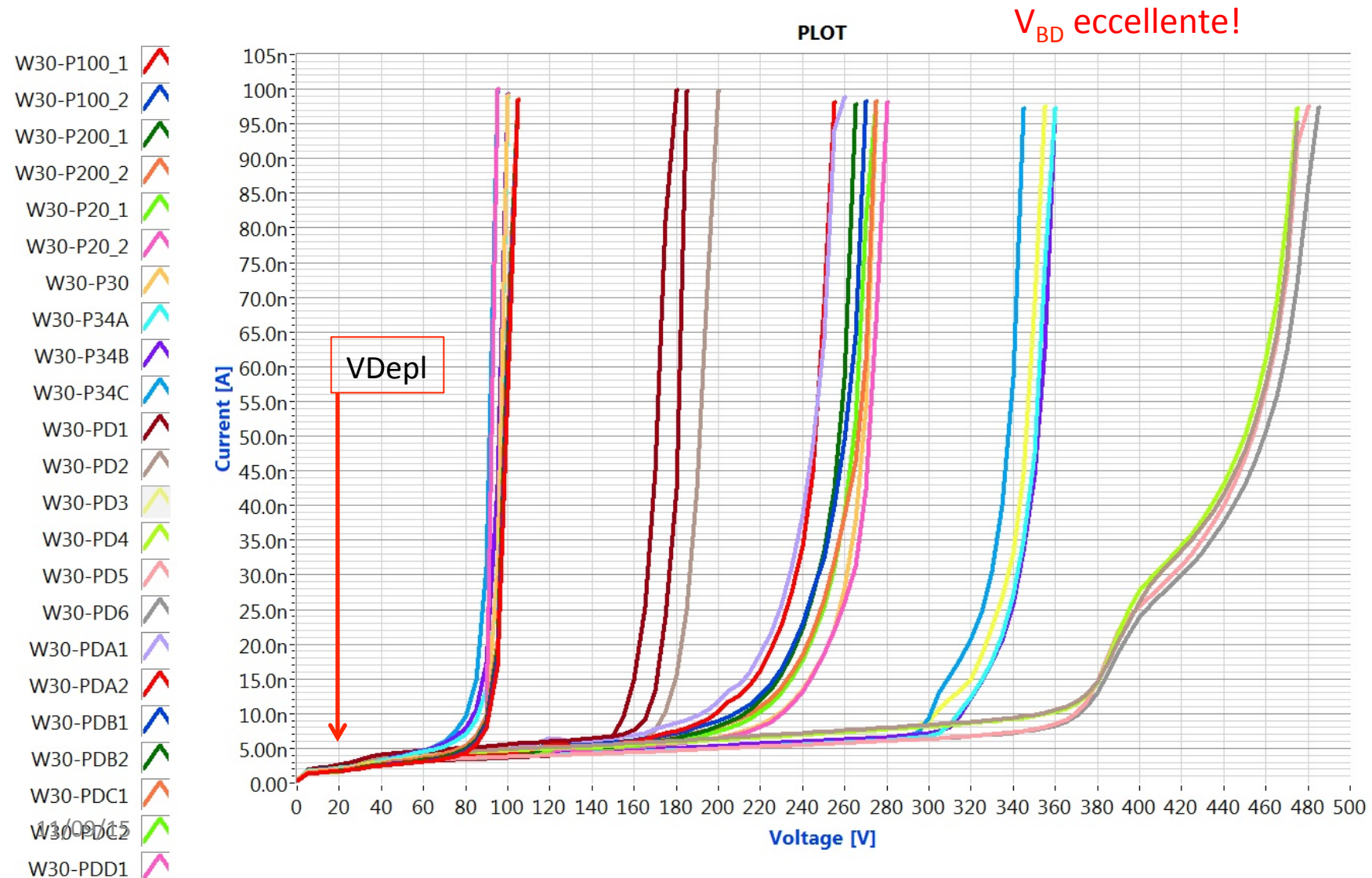
No annealing



Per Conferenza Hiroshima

Pixel Planari: I-V W30

- W30, 100 μ m, $V_{\text{depl}}=20\text{V}$: **curve I_V** di **tutti i sensori CMS** (tranne i due senza Punch Through che hanno bisogno del ROC per la connessione gnd) in un unico plot



Pixel Planari CMS: I-V W63

?????

