

# CMS

Full depletion voltage [V]

0 2 4 6 10 20 30 40 50 60

Simulated fluence [ $10^{12}$  1 MeV neutron equivalent  $\text{cm}^{-2}$ ]

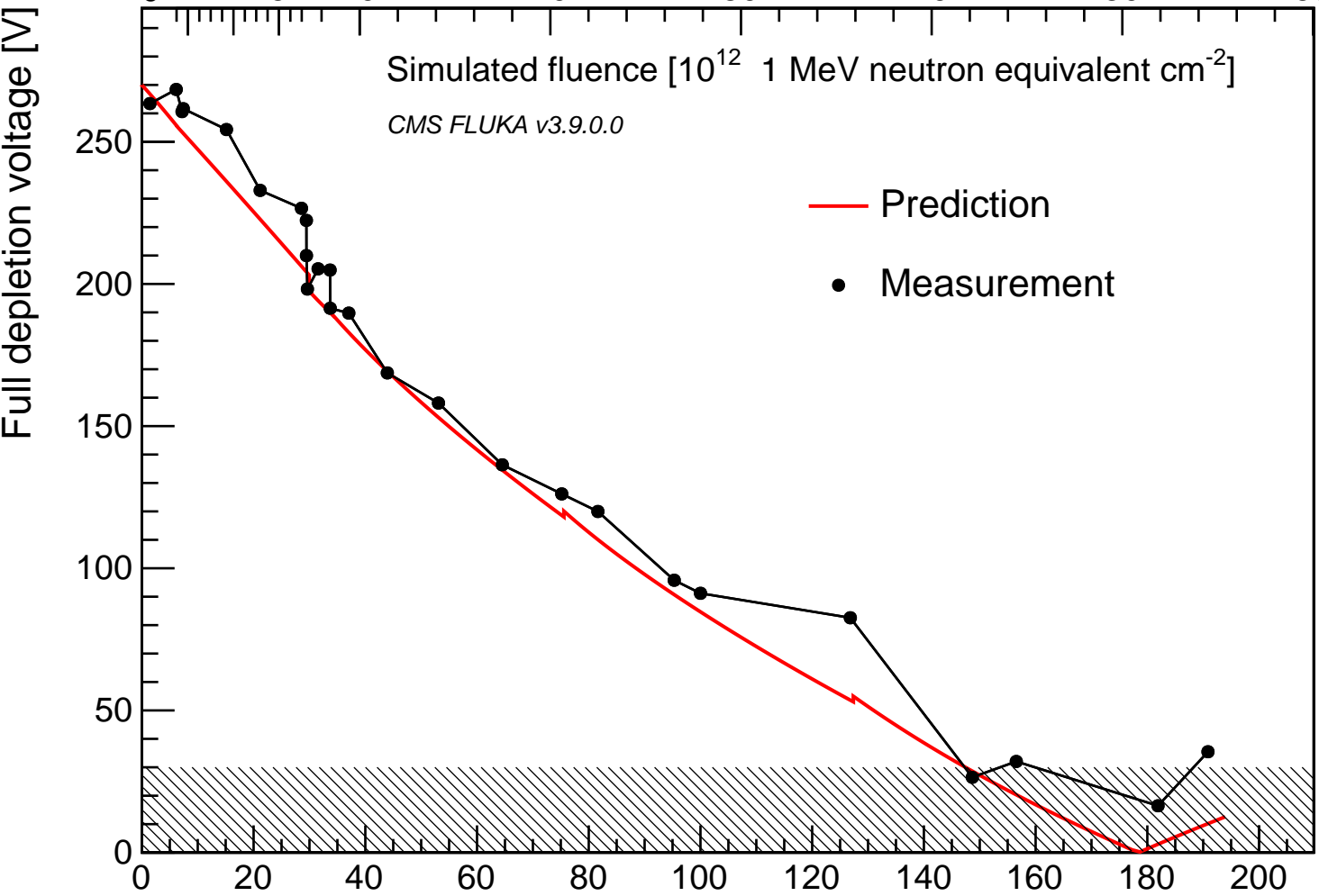
*CMS FLUKA v3.9.0.0*

— Prediction  
• Measurement

250  
200  
150  
100  
50  
0

Integrated luminosity [ $\text{fb}^{-1}$ ]

0 20 40 60 80 100 120 140 160 180 200



Integrated luminosity [ $\text{fb}^{-1}$ ]	Measurement [V]	Prediction [V]
0	260	265
1	265	255
2	260	245
3	270	235
4	255	225
5	250	215
6	235	205
7	225	195
8	220	185
9	205	175
10	205	165
11	190	155
12	190	145
13	185	135
14	170	125
15	160	115
16	155	105
17	145	95
18	135	85
19	125	75
20	120	65
21	115	55
22	110	45
23	105	35
24	95	25
25	90	15
26	85	5
27	80	0
28	80	0
29	80	0
30	80	0
31	80	0
32	80	0
33	80	0
34	80	0
35	80	0
36	80	0
37	80	0
38	80	0
39	80	0
40	80	0
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194	80	0
195	80	0
196	80	0
197	80	0
198	80	0
199	80	0
200	80	0