

# Source in CMS RPC 904 lab

20 Jan 2025

Cs 137

Initially (10.07.95) 3.7 [MBq]

20 Jan 2025 1.87 [MBq]

Measurements done by RP

Automess 6150 AD6

BdF (Back ground @ ~3m) <0.1 [ $\mu$ Sv/h]

Closed and view from base 0.5 [ $\mu$ Sv/h] @ 40cm

Open and viewed from base (use orientation) 1.5 [ $\mu$ Sv/h] @ 40cm

Using Thermo FH40G

Open and viewed from base (use orientation) 1.3 [ $\mu$ Sv/h] @ 40cm

Canberra 4 BabyLine 81

(Old style ionisation wire chamber)

Open and viewed from base (use orientation) 80 [ $\mu$ Gy/h]

The cabinet will be kept locked.

Ian Crotty

References;

<https://www.automess.de/en/products/productfamily-6150ad/dose-rate-meter-6150ad>

<https://www.thermofisher.com/order/catalog/product/4254002>

Page 109 for Babyline 81

[https://assets-mirion.mirion.com/prod-20220822/cms4\\_mirion/files/mtkk\\_a4\\_brochure\\_nov2020\\_ops-978\\_4X8gwjx.pdf](https://assets-mirion.mirion.com/prod-20220822/cms4_mirion/files/mtkk_a4_brochure_nov2020_ops-978_4X8gwjx.pdf)

<http://project-cms-rpc-endcap.web.cern.ch/rpc/904/RadioActiveSource/Baby81-loc.pdf>

This document URL and folder and file;

<http://project-cms-rpc-endcap.web.cern.ch/rpc/904/>

RadioActiveSource, Source in CMS RPC 904 lab 20 Jan 2025 V3.pdf