

Source in CMS RPC 904 lab

20 Jan 2025

Cs 137

Initially (date ?) 3.7 [MBq]

20 Jan 2025 1.87 [MBq]

Measurements done by RP

Automess 6150 AD6

BdF (Back ground @ ~3m) <0.1 [microSv/hr]

Closed and view from base 0.5 [microSv/hr] @ 40cm

Open and viewed from base (use orientation) 1.5 [microSv/hr] @ 40cm

Using Thermo FH40G

Open and viewed from base (use orientation) 1.3 [microSv/hr] @ 40cm

Canberra 4 BabyLine 81

(Old style ionisation wire chamber)

Open and viewed from base (use orientation) 0.8 [microGy/hr]

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_4X8gwxj.pdf

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

This document;

<http://project-cms-rpc-endcap.web.cern.ch/rpc/904/RadioActiceSource/Source%20in%20CMS%20RPC%20904%20lab%2020%20Jan%202025.pdf>