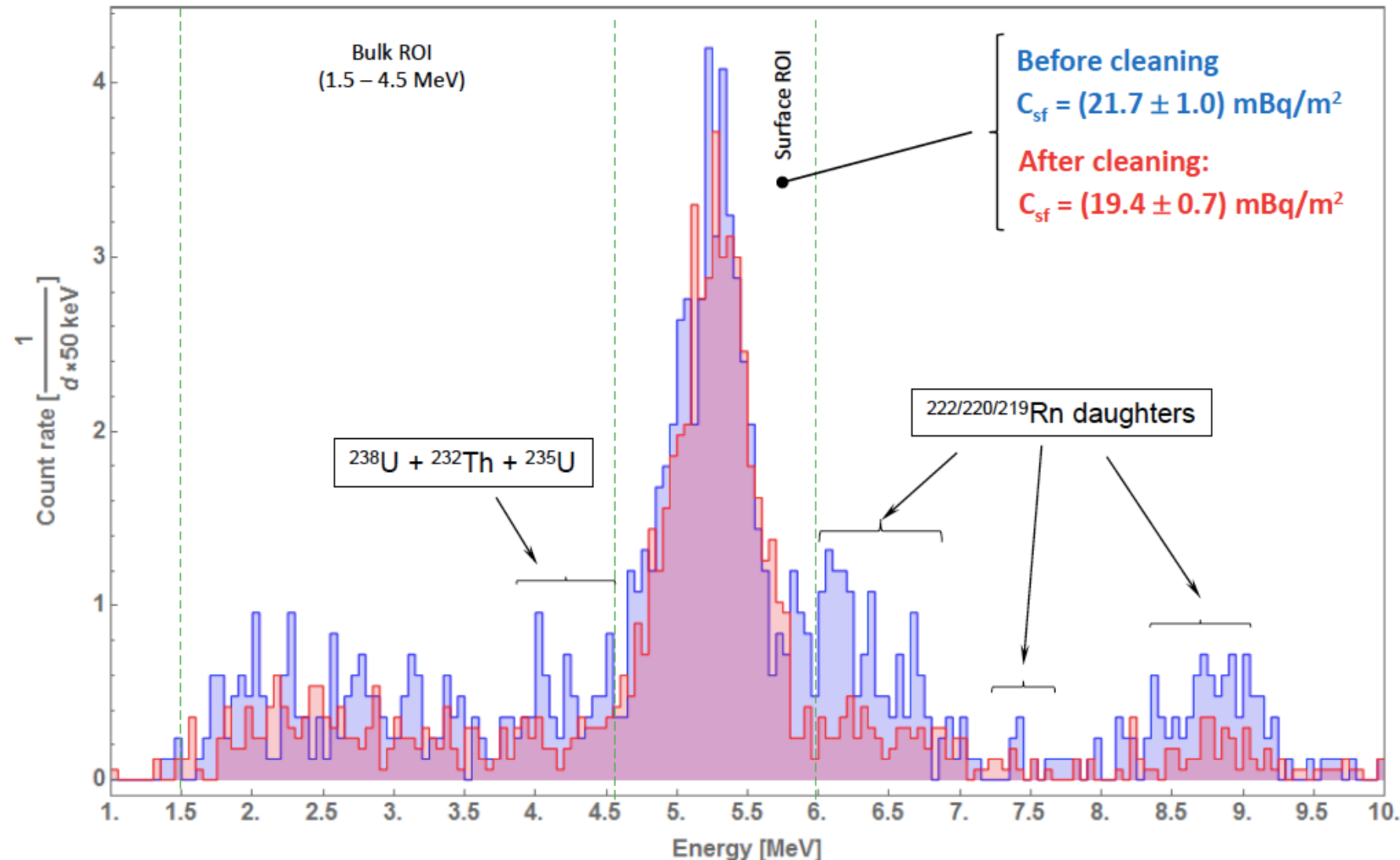


# Surface Treatments Updates Copper Cleaning Protocol

## DS Copper Cleaning Protocol:

1. 4 Copper plates (100x100mm) are measured showing  $^{210}\text{Po}$  residual contaminants



# DS cleaning Protocol vs CUORE cleaning Protocol

## DS

1. Tumbling

2. EP 100  $\mu\text{m}$

3. SUBU (Etching)

## CUORE

1. Tumbling

2. EP 100  $\mu\text{m}$

3. SUBU (Etching)

4. Vacuum Plasma Cleaning

Possible Wrong  
Passage:  
**Under Investigation**

# New Test on the Copper Cleaning Protocol

Up to now the DS Copper cleaning protocol is under investigation for  $^{210}\text{Po}$  contamination:

- Today we received the copper plates
- **New EP test:** always 100  $\mu\text{m}$  maintaining the potential during the sample extraction from the bath

# Surface Treatments Updates Stainless Steel Cleaning Protocol

## DS SS Cleaning Protocol:

1. 4 SS plates (100x100mm) are at LNL ready to be cleaned (after copper plates test)
2. We have first to define the right SS composition (304, 316...?) to adopt the right EP and etching solution

# Surface Treatments Updates Conformal Coating for Electronic shielding

## DS Conformal Coating:

1. Waiting for the results at LNGS for the Sprayed or Dipped conformal coating
2. Following this result we will go ahead or not with Parylene R&D