

Application Definitions

- Their goal is to enable interpretation and analysis of the data
- Unfortunately great ideas can be badly implemented

NXxas

entry

definition="NXxas"

start_time

title

instrument@NXinstrument

monochromator@NXmonochromator

energy

incoming_beam@NXdetector

data

absorbed_beam@NXdetector

data

.....

Application Definitions

- In 2010 it was communicated to the NIAC that multiple techniques were quite common (SAXS/WAXS, FLUO/DIFF,...)
- It was decided to create a new field NXsubentry containing the relevant information for each technique

ESRF only considers application definitions in subentries

- But the NIAC kept imposing all the rest of the structure in the subentry (see nexusformat.org documentation on NXsubentry)

The actual analysis applications do not need the structure !!!!!

Application Definitions as Understood by the ESRF

- Only the relevant part for the analysis required
- If they are actual items or links to items is irrelevant
- If there are no programs using the definitions the later are useless
- They should come from developers or communities (not just NIAC)

NXxas

entry

```
whatever_name@NXsubentry  
  definition="NXxas"  
  energy  
  i0  
  it
```

DISCLAIMER

I'm not advocating the use of NXxas (in any of the shown forms)