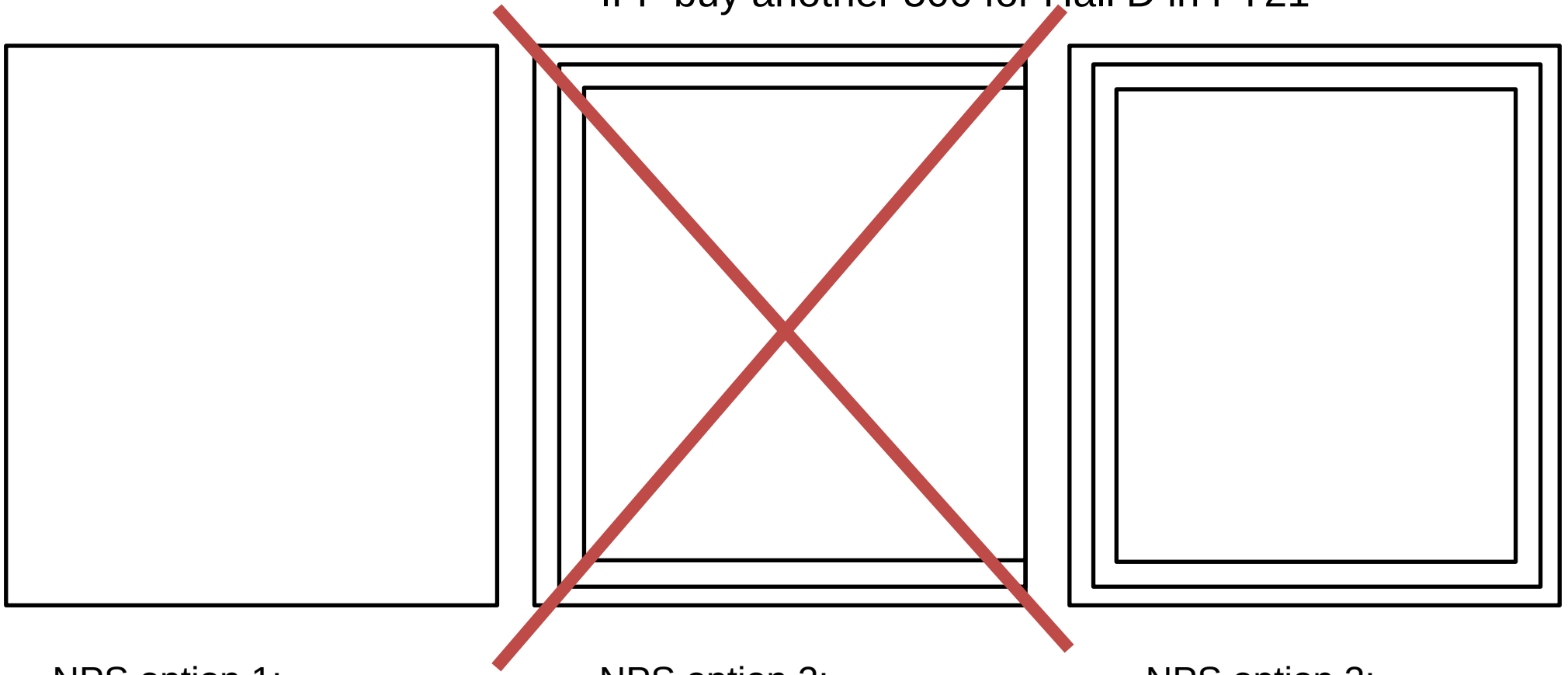
PbWO4 status – for sure 1100 CRYTUR crystals by Summer 2021
– (maybe) 300 SICCAS crystals of less quality
IFF buy another 500 for Hall D in FY21



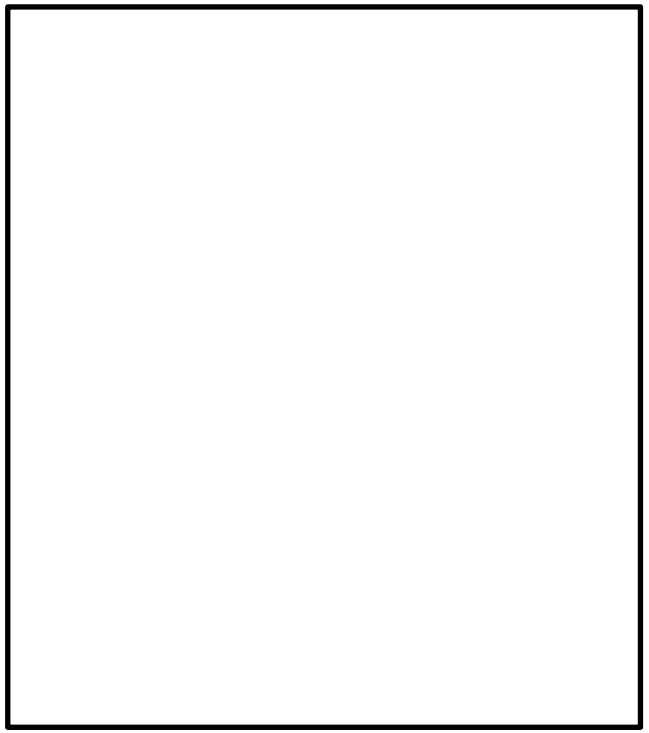
NPS option 1:
30 x 36 CRYTUR
→ 1080 CRYTUR
→ 0 SICCAS

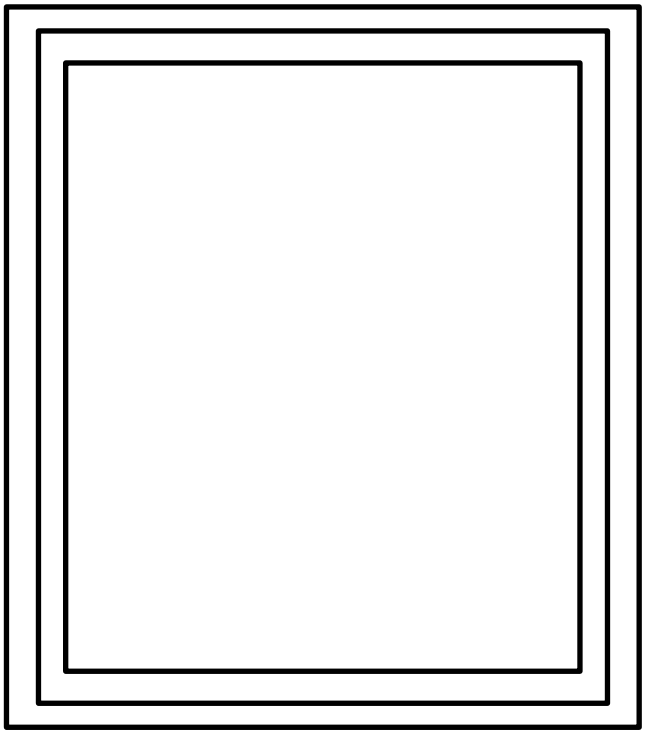
NPS option 2:
28 x 32 CRYTUR
→ 896 CRYTUR
→ 184 SICCAS

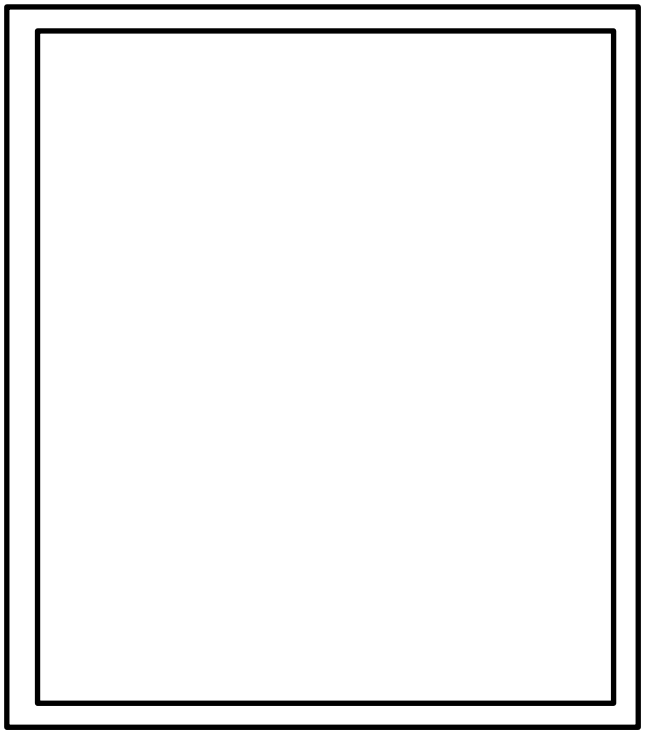
NPS option 3:
26 x 32 CRYTUR
→ 832 CRYTUR
→ 248 SICCAS

Option 2 ruled out,
new option 4 added

PbWO4 status – for sure 1100 CRYTUR crystals by Summer 2021
– (maybe) 300 SICCAS crystals of less quality
IFF buy another 500 for Hall D in FY21







NPS option 1:
30 x 36 CRYTUR
→ 1080 CRYTUR
→ 0 SICCAS

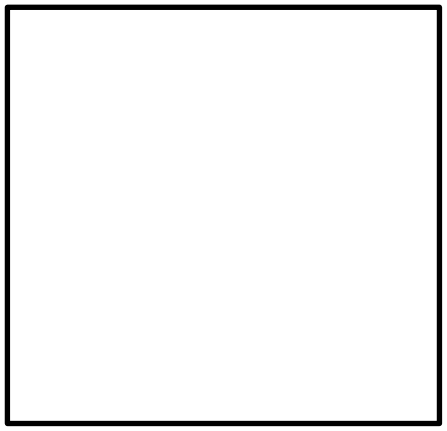
NPS option 3:
26 x 32 CRYTUR
→ 832 CRYTUR
→ 248 SICCAS

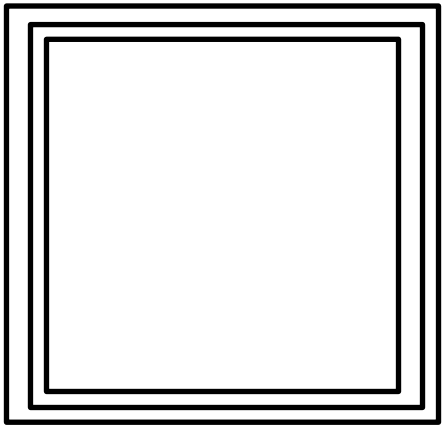
NPS option 4:
28 x 34 CRYTUR
→ 952 CRYTUR
→ 148 SICCAS

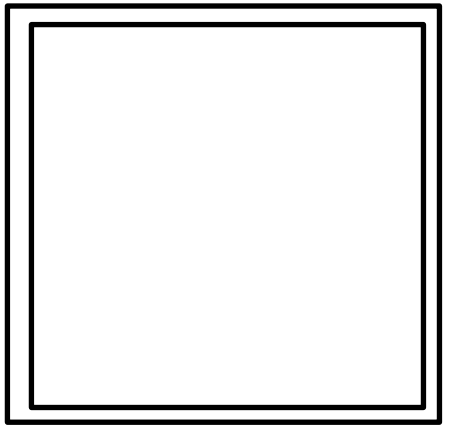
Decision: decide among options 1, 3 and 4 based on check of quantitative impact on energy and position resolution from having reduced-quality crystals to capture shower.

PbWO4 status – for sure 1100 CRYTUR crystals by Summer 2021
– (maybe) 300 SICCAS crystals of less quality
IFF buy another 500 for Hall D in FY21

TCS experiment: 4 calorimeters of each 23 x 23 = 2116







TCS option 1:
23 x 23 CRYTUR x 4
→ 2116 CRYTUR
→ 0 SICCAS

TCS option 2:
19 x 19 CRYTUR x 4
→ 1444 CRYTUR
→ 672 SICCAS

TCS option 4:
21 x 21 CRYTUR x 4
→ 1764 CRYTUR
→ 352 SICCAS