

Description of the attached files

[20210305_Agarwal_CBMCollaborationMeeting_.pdf](#)

A presentation by K. Agarwal on the topic “STS Cooling Concept and Design”. STS is the silicon tracking system detector that uses FK 5-1-12 as a refrigerant in our use case in particles physics. Slides 12-22, 33-36 and slide 39 describe the final refrigeration system (radioactive environment) and the refrigeration system prototype (non-radioactive environment) on conceptional level.

[Elizarov-EDR-Cooling_Supply_.pdf](#)

A presentation (engineering design report) made by I. Elizarov on the topic “Cooling Supply for the STS Detector: Lessons Learned for the Future”: details on implementation of the refrigeration system for the STS detector (radioactive environment) and the pilot system (non-radioactive environment) are given.

[Elizarov-pilot_cooling_supply_poster_.pdf](#)

A conference poster made by I. Elizarov on the pilot cooling supply system (non radioactive environment) for the STS detector