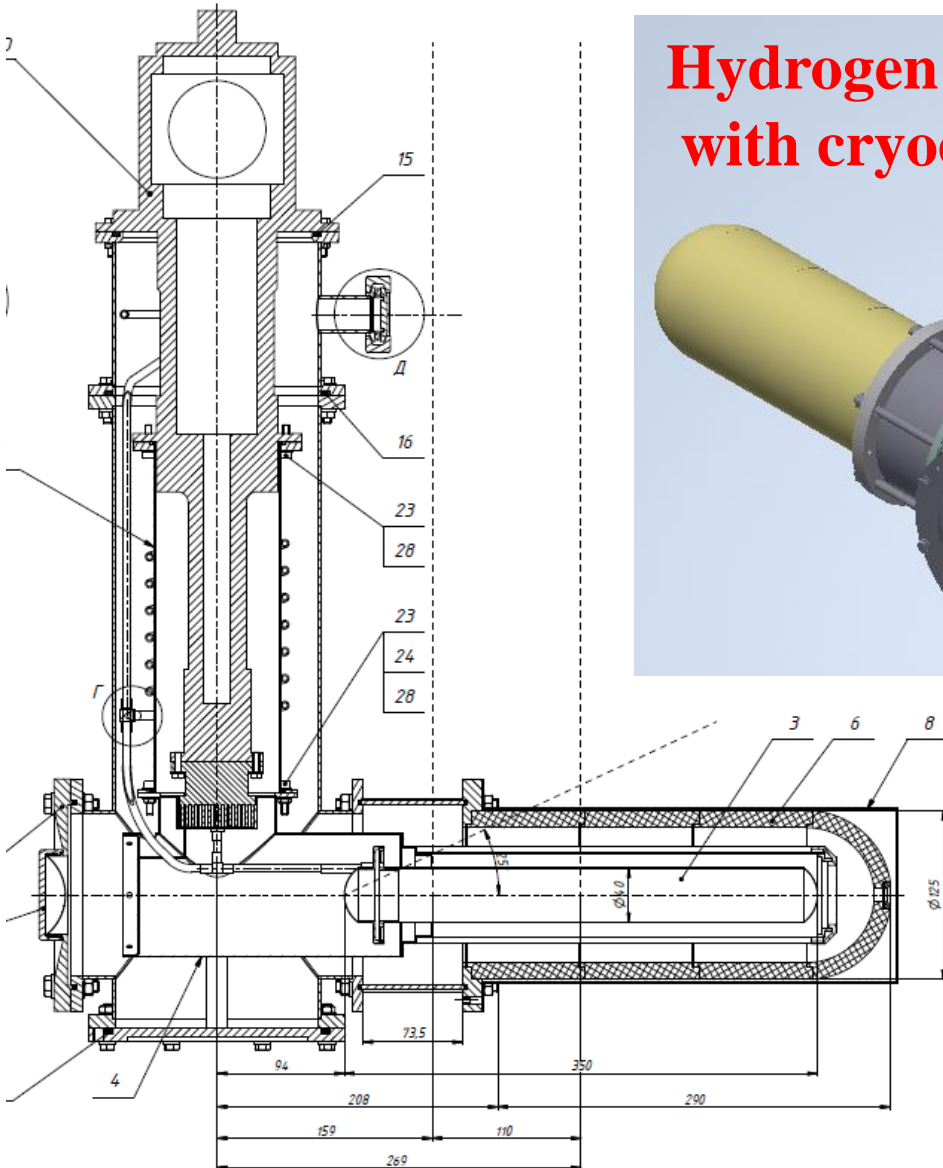


Positioning of the calorimeter for the SRC experimental program at the BM@N setup

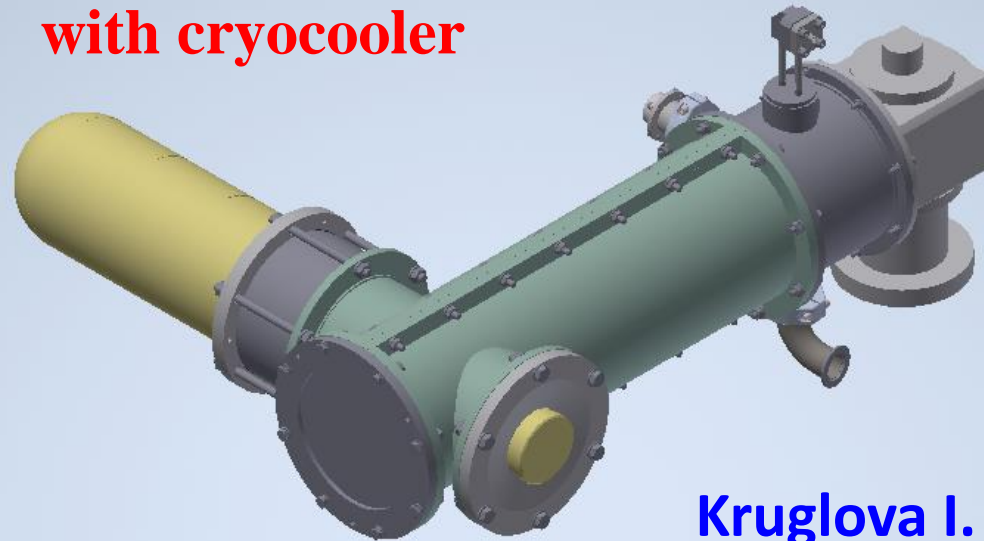
Piyadin S.M. et al.



3D model of the BM@N experimental hall (new hydrogen target)



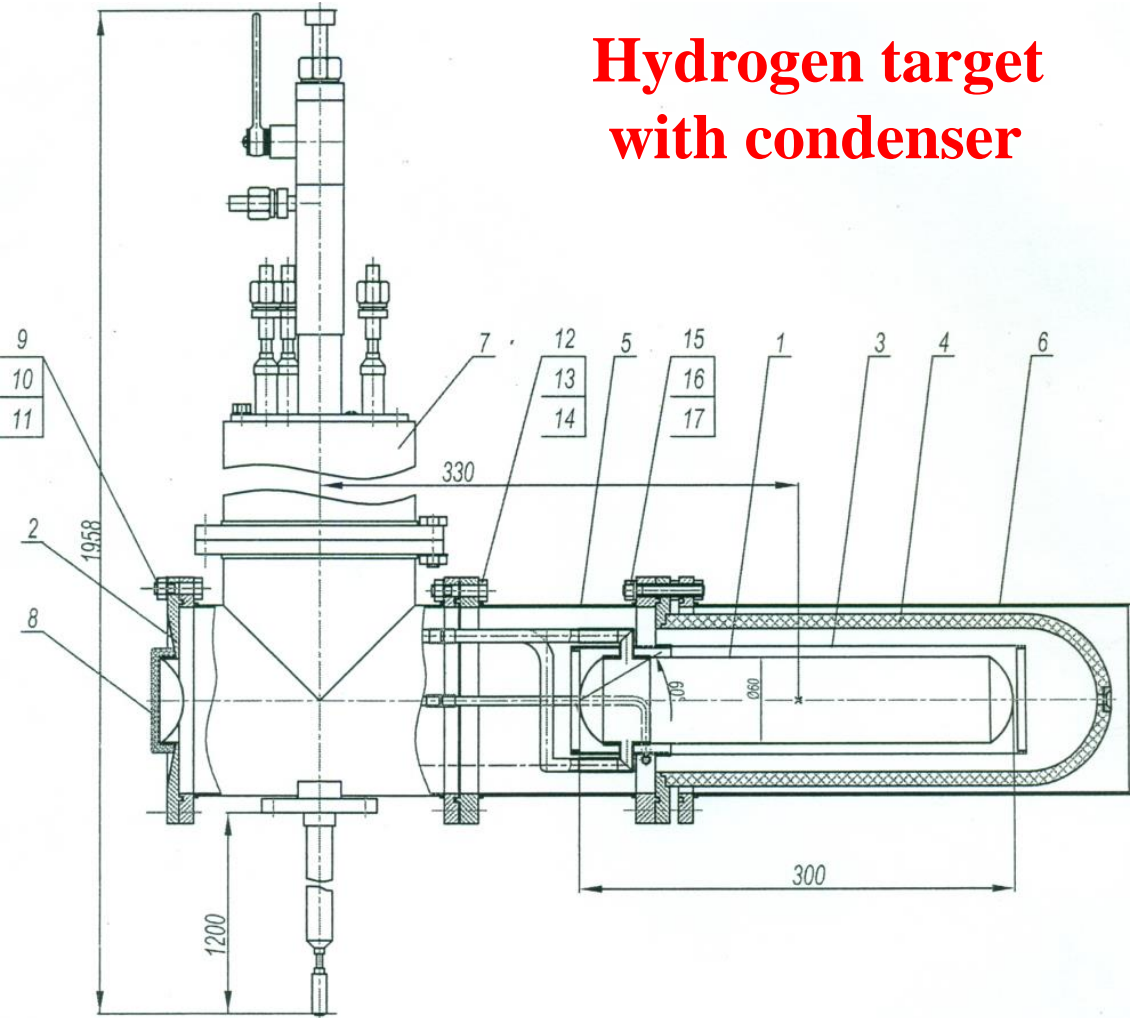
**Hydrogen target
with cryocooler**



**The dimensions
of hydrogen vessel:
Diameter = 40 mm;
Length = 350 mm.**

3D model of the BM@N experimental hall (old hydrogen target)

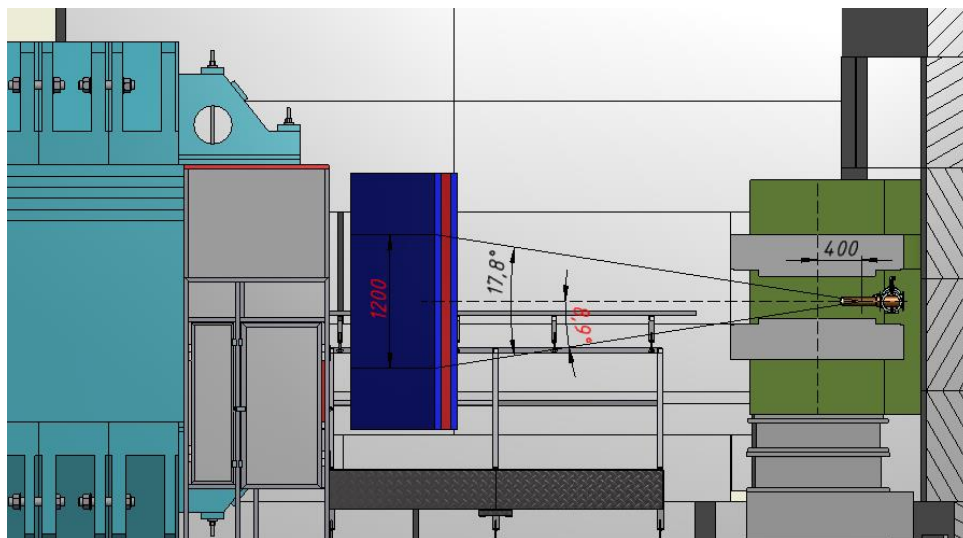
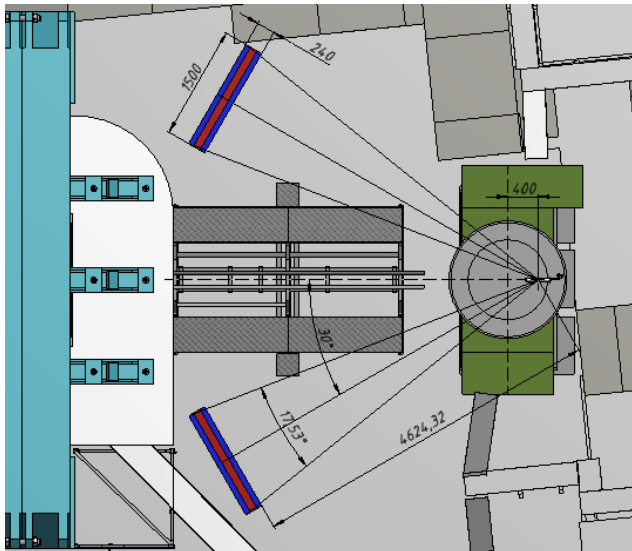
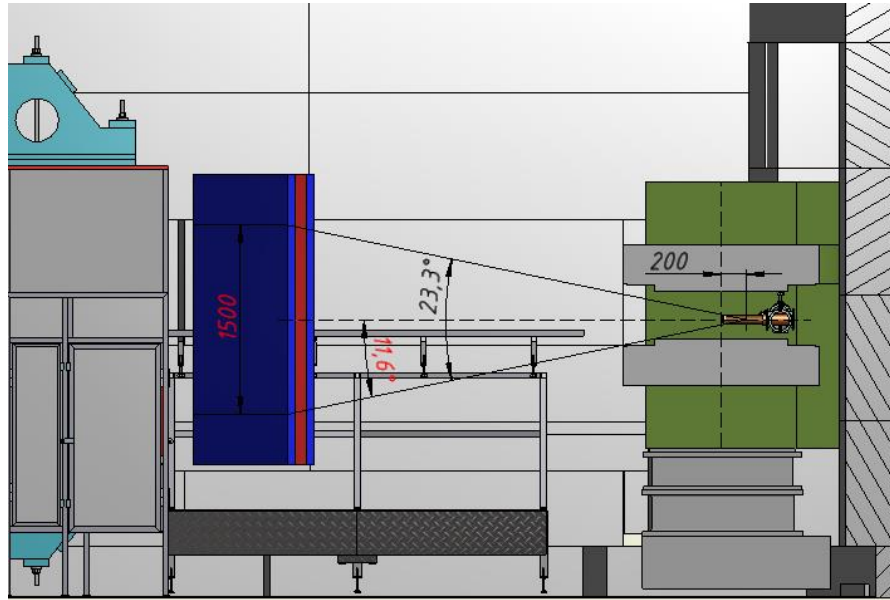
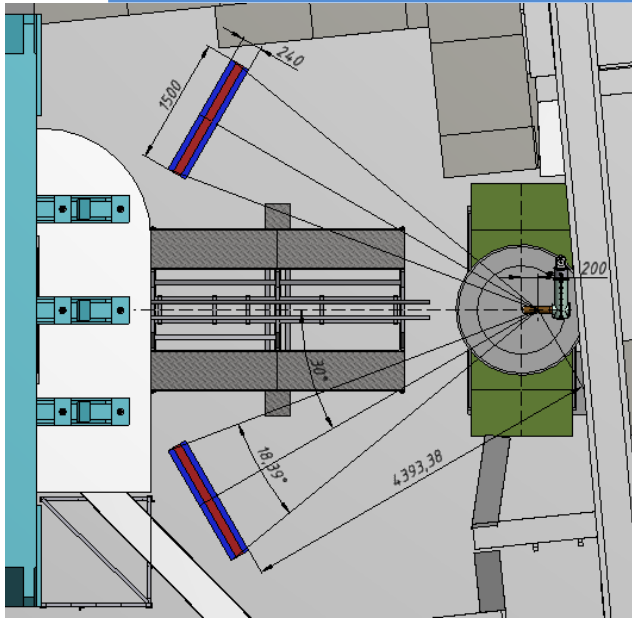
**Hydrogen target
with condenser**



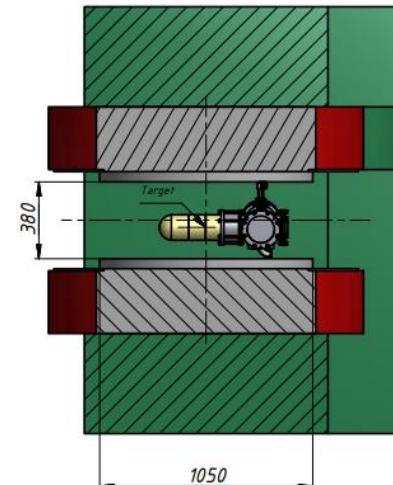
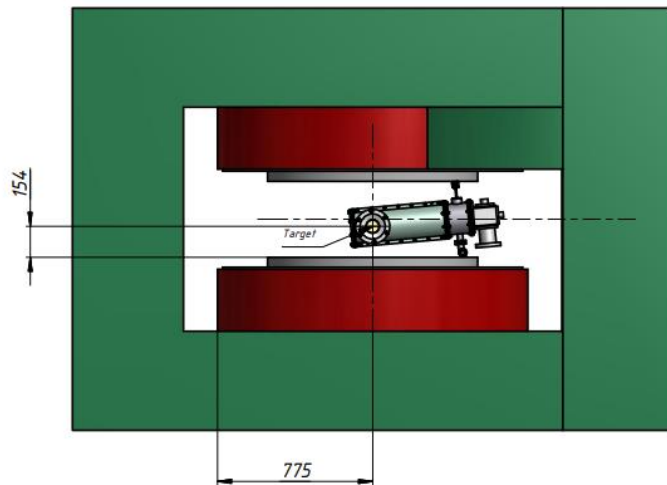
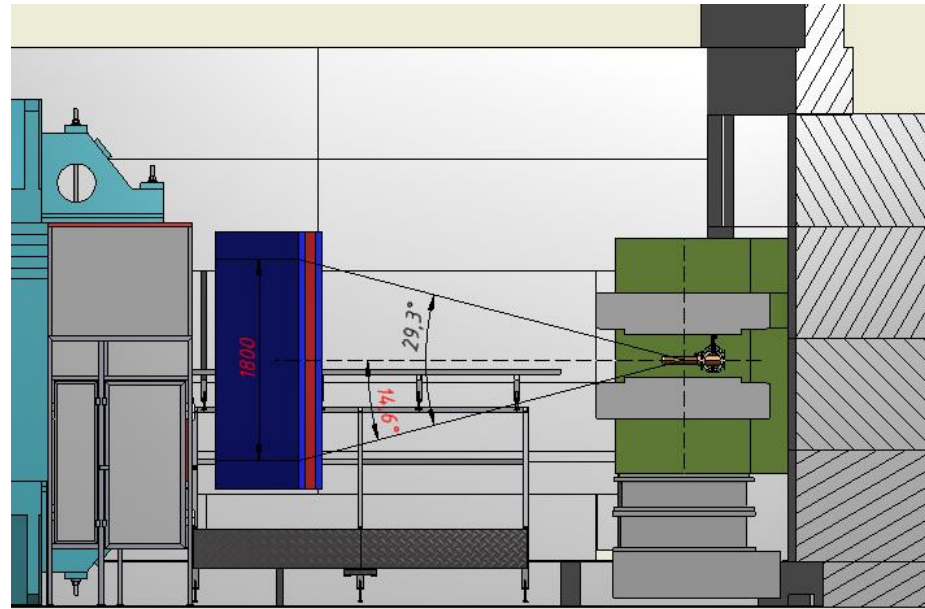
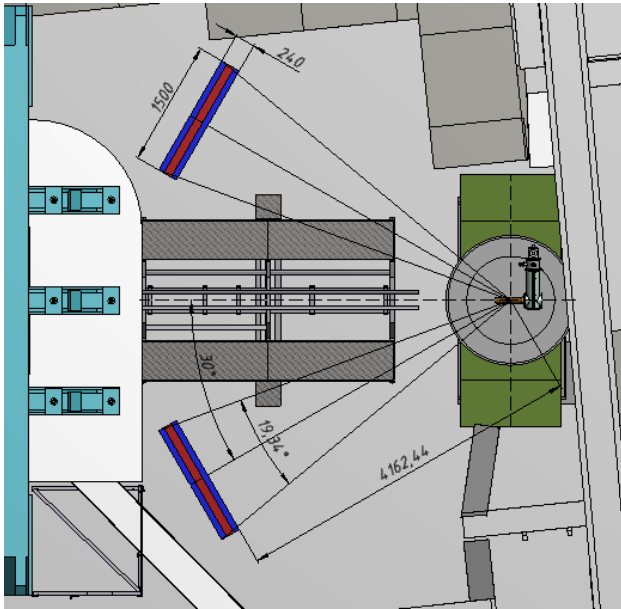
**Dolbilina E.
&
Novozhilov S.**

**Size of hydrogen vessel:
Diameter = 60 mm;
Length = 300 mm.**

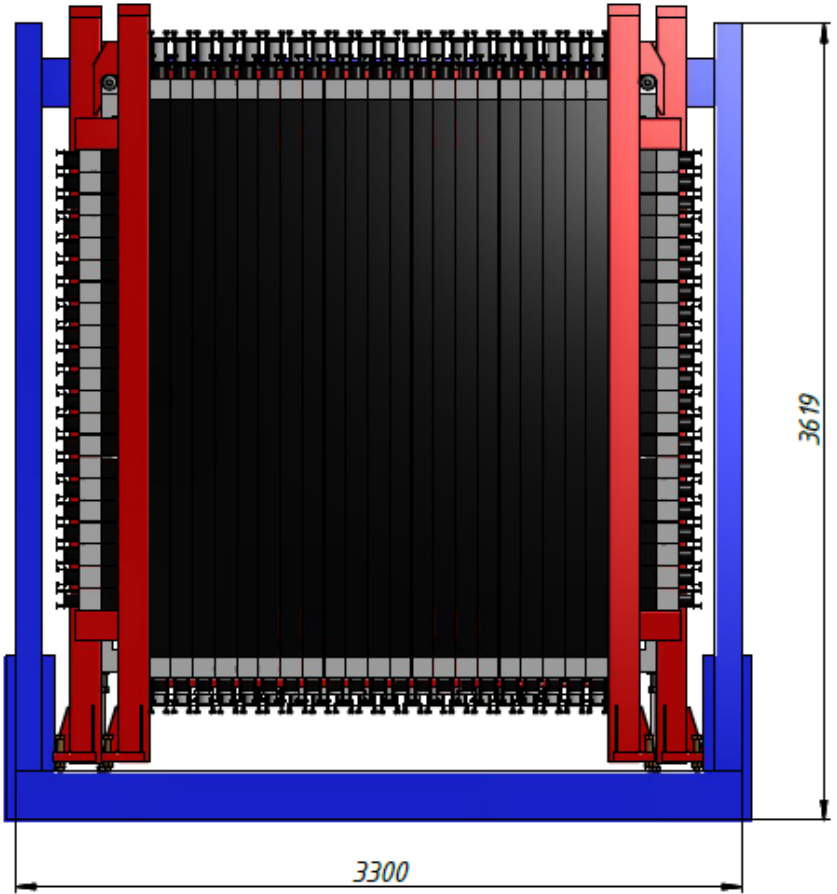
3D model of the BM@N experimental hall (location of the hydrogen target)



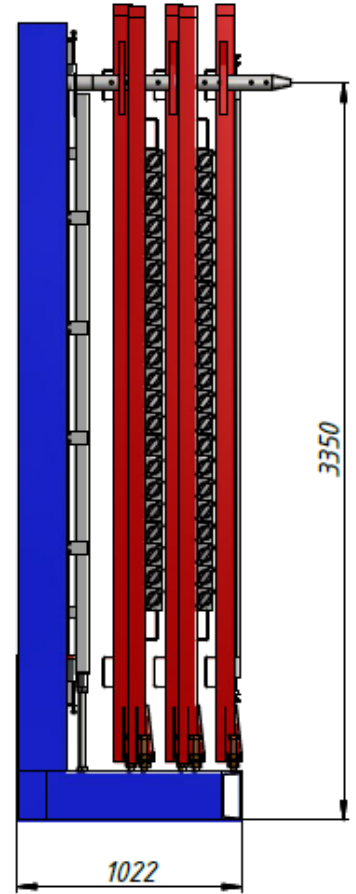
3D model of the BM@N experimental hall (fixed position of the hydrogen target)



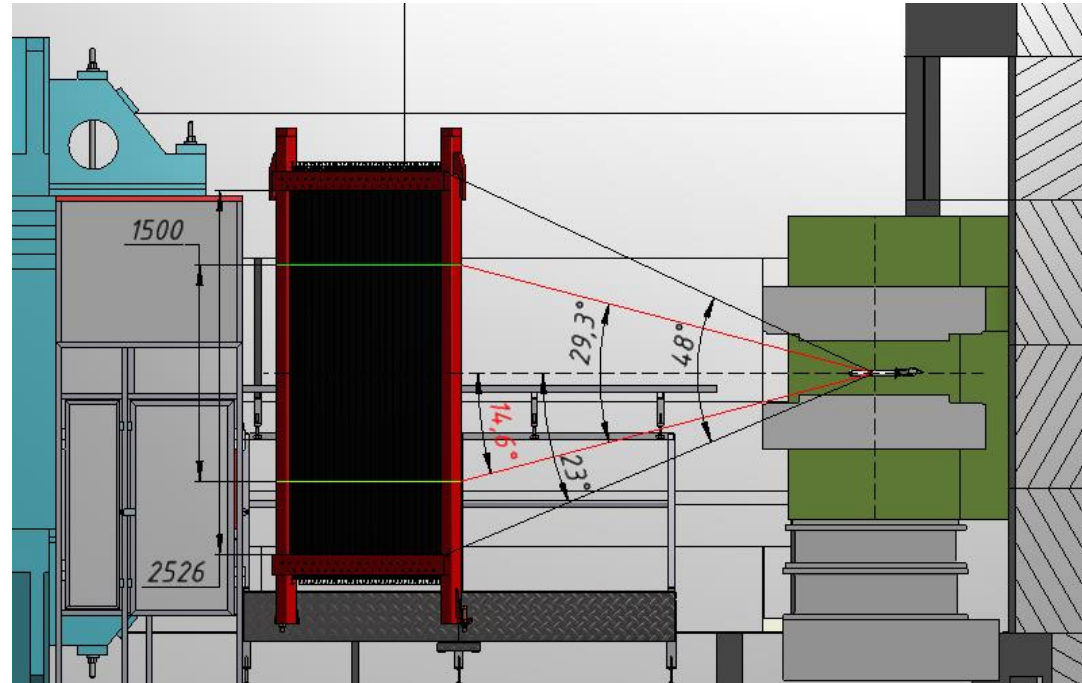
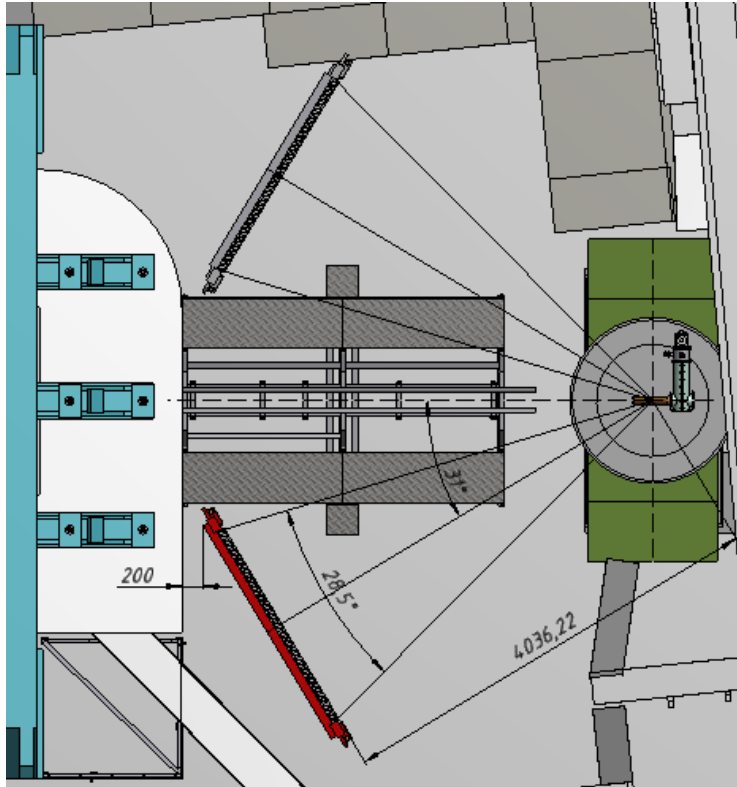
3D model of the BM@N experimental hall (Land detector modules)



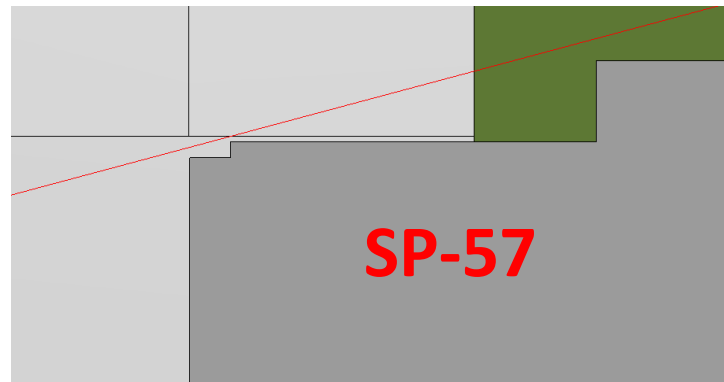
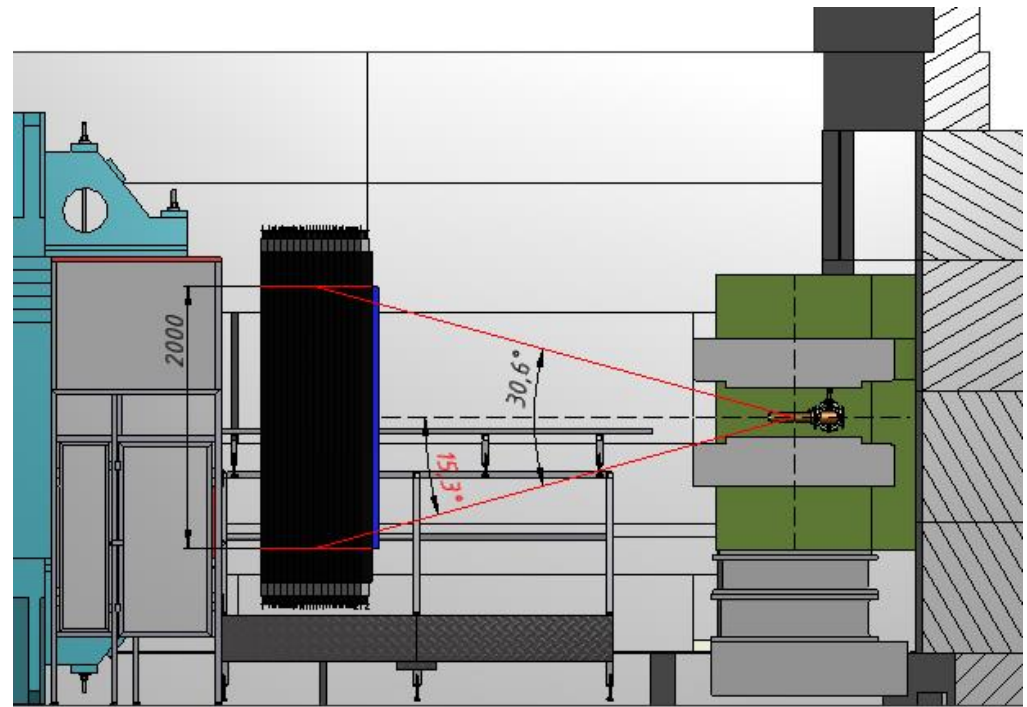
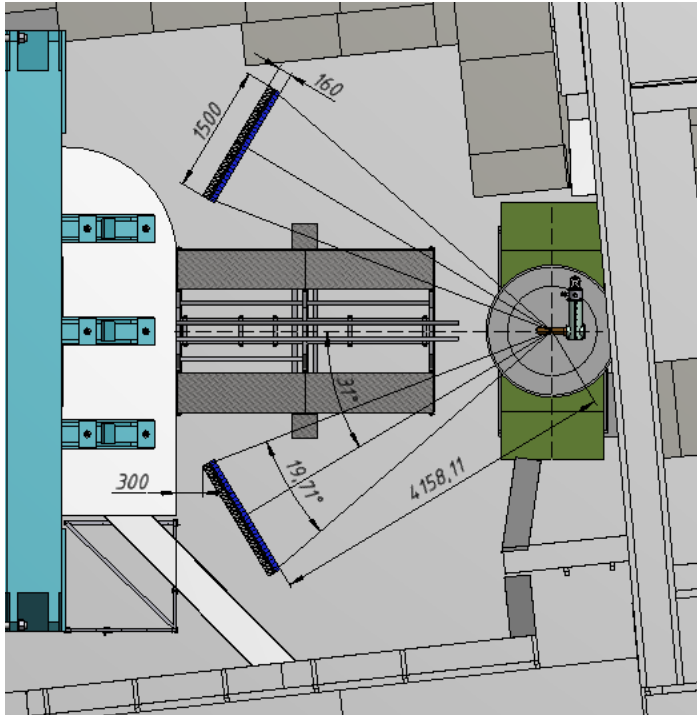
Land



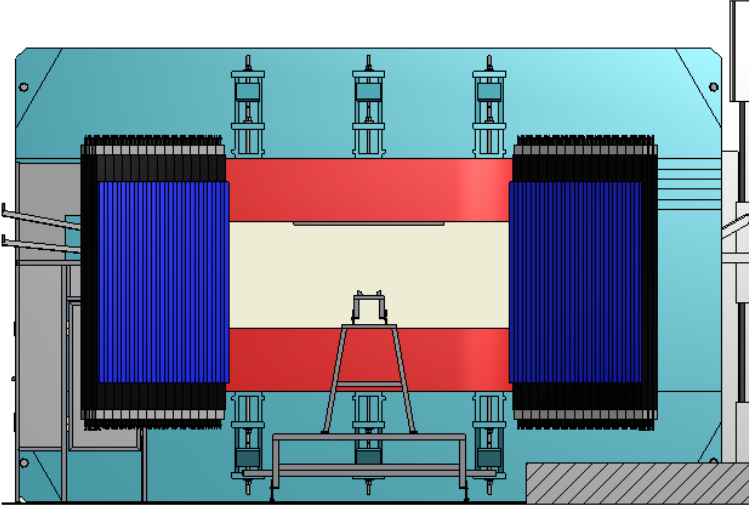
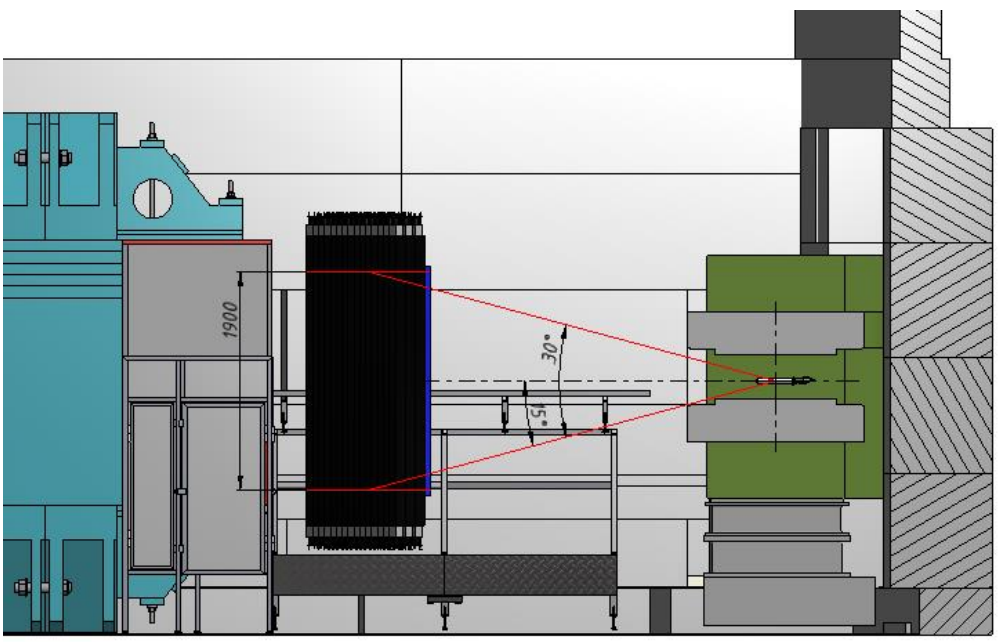
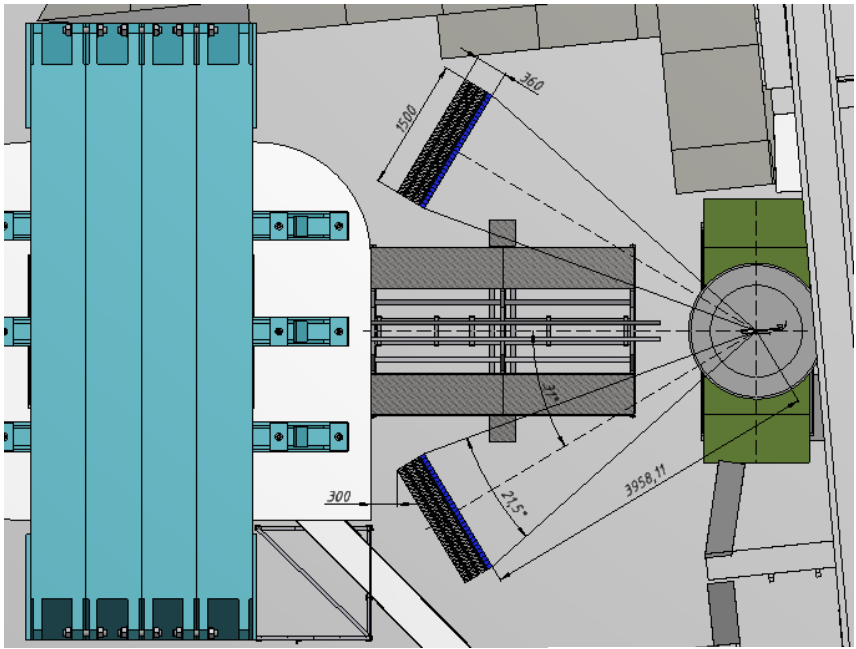
3D model of the BM@N experimental hall (Land detector modules)



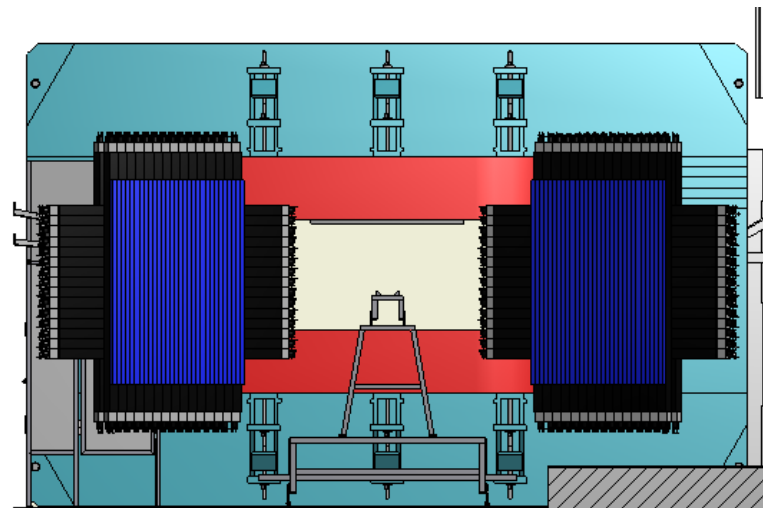
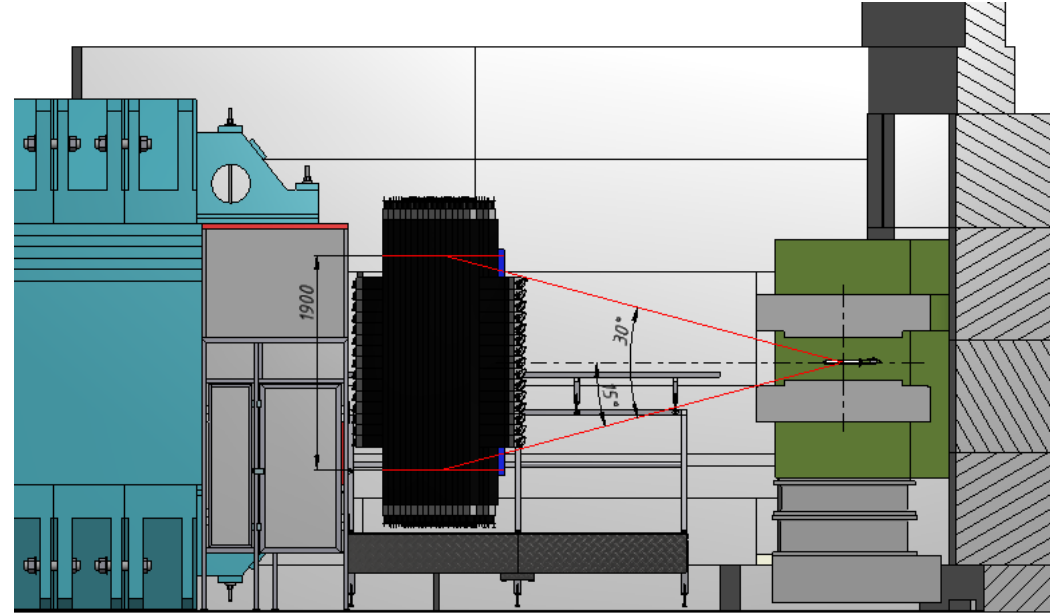
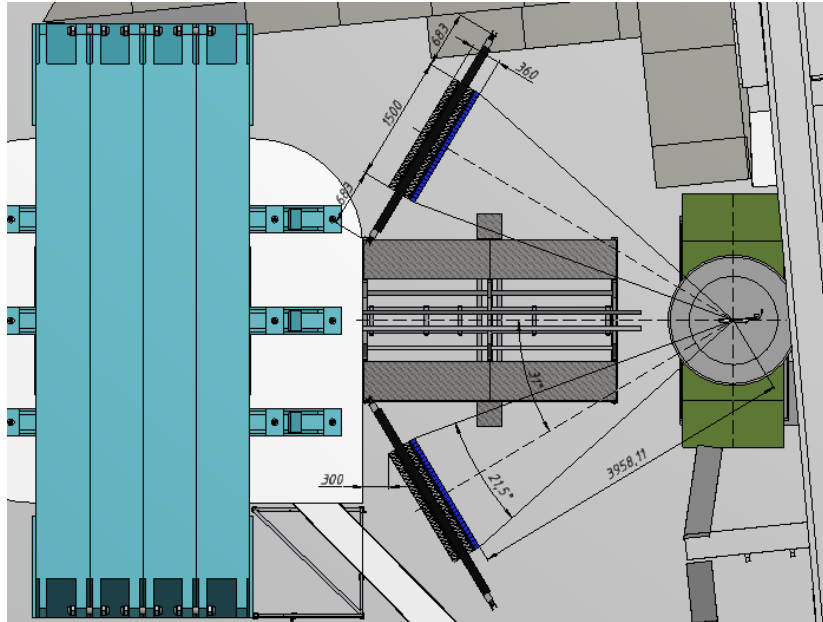
3D model of the BM@N experimental hall (Land detector modules)



3D model of the BM@N experimental hall (Land detector modules)



3D model of the BM@N experimental hall (Land detector modules)



Conclusion

A **3D** model is created for the **SRC** experimental program at the **BM@N** facility:

- The location of the hydrogen target inside the **SP-57** magnet is determined;
- The location of the detector arms was determined using **45 LAND** modules each.

**THANK YOU
FOR YOUR
ATTENTION**

