



Contribution ID: 35

Type: **Poster**

KWS-1 - the versatile SANS instrument for biomaterials

Tuesday, May 23, 2023 5:20 PM (1h 10m)

The method of small-angle neutron scattering (SANS) is highly versatile. Using deuteration many hydrogen containing materials can be highlighted against the residual matrix. This is also highly beneficial for biomaterials. Either synthetic polymers or deuterium grown proteins and lipids from bacteria are embedded in highly complex biology mimicking environments such that their specific function can be analyzed. Several examples will be presented to show the strength of SANS.

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Session Classification: Poster session

Track Classification: Biomimetics and alive systems