

## **Radiation damage studies on lubricants**

*Wednesday 2 March 2022 14:00 (15 minutes)*

Tribological studies are fundamental to mechanical design and especially relevant in the high radiation environment around beam-intercepting devices. Although only few studies exist, the effect of radiation on organic compounds is highly variable and lubricant resistance can be the determining factor in equipment lifetime. Preliminary examination of first lubricant samples irradiated in gamma and mixed fields will be shown.

**Presenter:** SENAJOVA, Dominika (Imperial College (GB))

**Session Classification:** Research and Development