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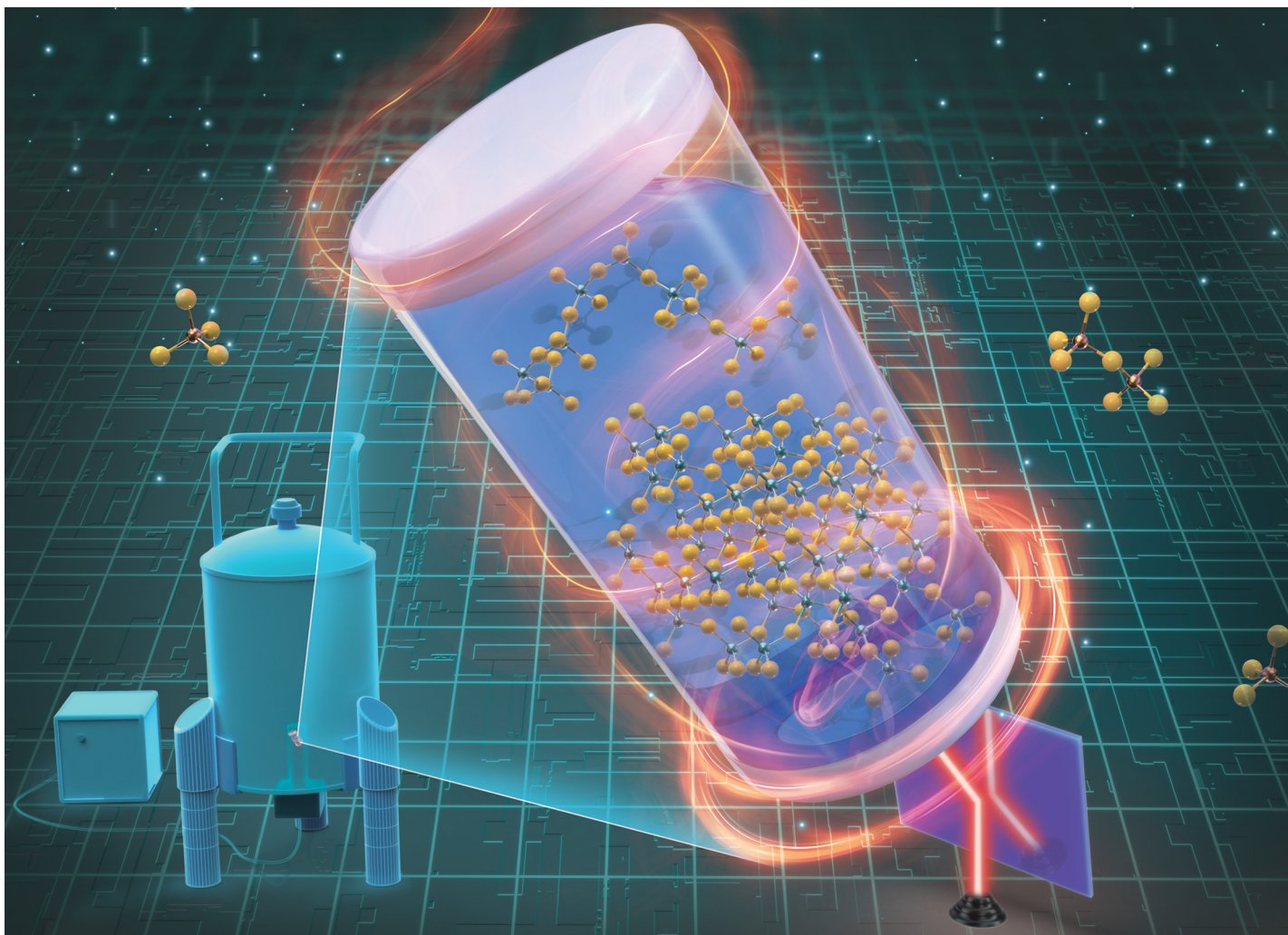
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Showcasing research from the Group of Dr Hongtao Liu and Dr Xiaobin Fu at Shanghai Institute of Applied Physics, Chinese Academy of Sciences, China.

Probing the local structure of FLiBe melts and solidified salts by *in situ* high-temperature NMR

The Hongtao group is working on the structure and dynamics of molten salts and other functional materials, and the development of new NMR methods. This work investigates the ionic structure of LiF-BeF₂ melts using *in situ* High-temperature NMR spectrometry by a laser-heating system. With the increase of BeF₂ component, the polymeric Be-F chains and networks were observed, which will be closely related to the thermo-physical properties and their applications in MSR.

As featured in:



See Yuan Qian, Hongtao Liu *et al.*,
Phys. Chem. Chem. Phys.,
2023, **25**, 19446.