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ON THE COVER: Computer graphics display of the structure of a rare-earth ion site in a $\text{CaF}_2\text{-BeF}_2$ glass. The ion is white, Ca orange, Be blue, and F green. The atomic positions were calculated by molecular dynamics methods at Lawrence Livermore National Laboratory, as described by S.A. Brawer and M.J. Weber (*J. Chem. Phys.* **75**, 1981, p. 3522), who supplied the photo.

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