HIGHLIGHTS AND BREAKTHROUGHS
Reaching new boundaries for in-situ U-Th geochronology

J.P. BERNAL 1,*

1Centro de Geociencias, Universidad Nacional Autónoma de México, Campus UNAM Juriquilla, Querétaro, 76230 México

Abstract: In-situ U-Th dating is among the most challenging analytical techniques, requiring extreme sensitivity to quantify the low-abundance ²³⁰Th. Consequently, not all mineral phases are suitable for this technique. In this issue, Wu et al. have demonstrated that baddeleyite in basic rocks can provide meaningful U-Th ages when analyzed using secondary ionization mass spectrometry. Keywords: U-Th dating, SIMS, baddeleyite, eruption age