

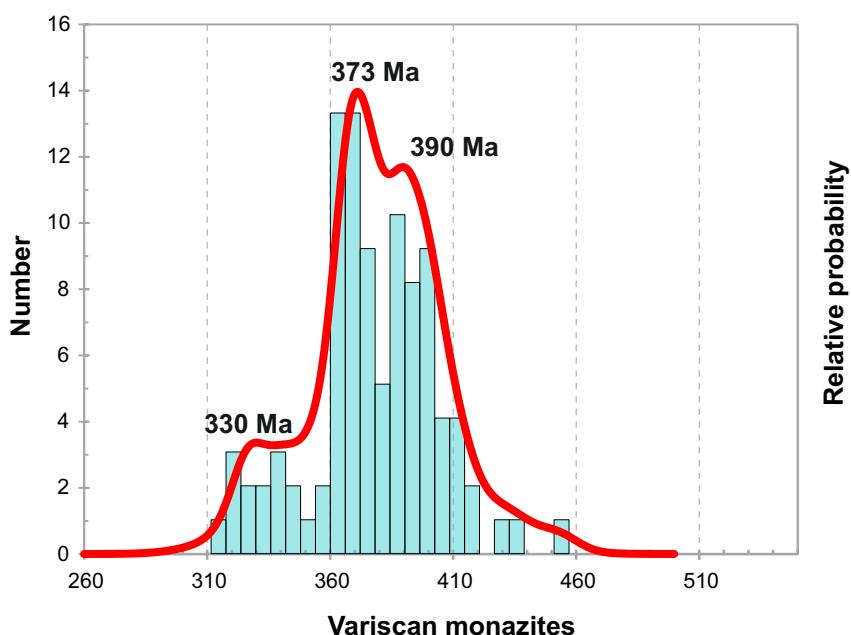
Variscan monazite ages and peak metamorphic P-T conditions recorded in gneiss/migmatite from the Pannonian Basin Basement (Mt. Papuk, Croatia)

Dražen Balen¹, Hans-Joachim Massonne²

¹Faculty of Science, University of Zagreb, Department of Geology, Division of Mineralogy and Petrology, Zagreb, Croatia (drbalen@geol.pmf.hr)

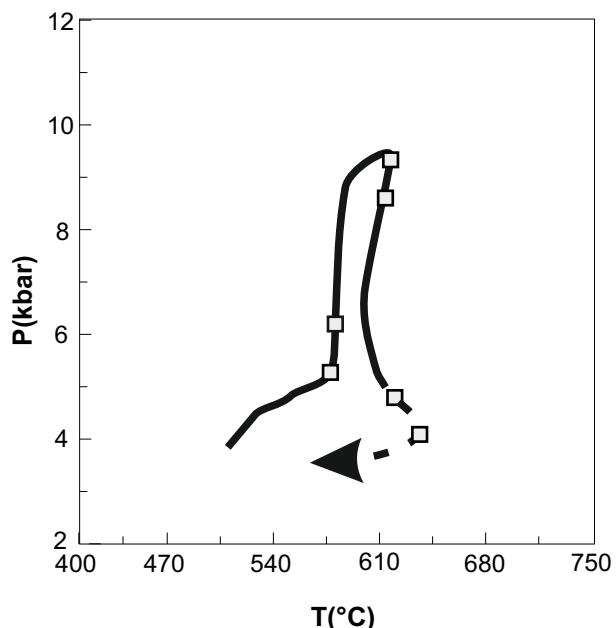
²Institut für Mineralogie und Kristallchemie (closed), Universität Stuttgart, Stuttgart, Germany (h-j.massonne@imi.uni-stuttgart.de)

Monazite age dating



weighted average age **374.1±5.8 Ma**
(1σ , 95% confidence level, MSWD=0.68,
probability of fit=0.993, n=96)

P-T path



max. P-T values of **9-9.5 kbar and 610°C**
with occurrence of melt during exhumation
at **~5 kbar and 640°C**

