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Joint DEMOCRITOS-ICTP School on Continuum Quantum Monte Carlo Methods | (smr 1595)

Friday 16 January 2004

SOLID STATE APPLICATIONS - Adriatico Guest House Kastler Lecture Hall (09:00-11:00)

Trial wave functions. Interface with other codes.

Many-body Bloch theorem, basis sets (Gaussians/PW/splines/blips). Spin and related issues. Cusp conditions.

Scaling with system size and "linear-scaling" QMC. Strategies for calculating excited states. Jastrow factor and optimization strategies.

time	title	presenter
09:00	SOLID STATE APPLICATIONS	M.D. TOWLER